

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
647.4 3	0.29 3	^{242}Np (2.2 m)	735.93(5), 780.44(2.76), 1473.1(2.34)
647.47 6	0.024 2	^{52}V (3.75 m)	1434.068(100), 1333.649(0.588), 1530.67(0.116)
• 647.47 6	†0.409 17	^{52}Mn (5.591 d)	1434.068(†100.0), 935.538(†94.9), 744.233(†90.6)
647.48 2	0.108 12	^{147}La (4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
647.49 9	0.202 8	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
647.5 2	†1.8 2	^{75}Ga (126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
647.5 3	0.57 8	^{117}Cs (8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
647.51 2	19.4 3	^{133}Te (55.4 m)	912.671(55.28), 863.955(15.6), 914.774(10.94)
647.58 3	53 3	^{98}Y (2.0 s)	1223.0(80), 620.505(63), 1801.5(40)
647.6 3	1.20 24	^{71}Br (21.4 s)	260.5(8.0), 233.7(6.5), 171.6(6.2)
647.7 3	4.8 5	^{130}Sb (6.3 m)	839.49(100), 793.53(86), 182.36(41)
647.7 8	†1.56×10 ³ 15	^{234}Pa (1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
647.7 4	†9	^{238}Pa (2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
647.75 7	2.03 16	^{203}Po (36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
• 647.796 7	0.0141 13	^{155}Tb (5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
647.8 3	28 3	^{114}Rh (1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
647.8 3	0.39 5	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
647.8 4	2.6 2	^{200}Bi (36.4 m)	1026.5(100), 462.34(98), 419.70(91)
647.88 10	2.57 17	^{77}Rb (3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
647.91 40	0.057	^{137}I (24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
648.0 10	0.16 6	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
648.0 1	0.61 5	^{149}Tb (4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
648.0 1	0.10 3	^{191}Au (3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
648.1	6.30 18	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
648.1 6	0.41 12	^{166}Lu (2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
648.10 2	4.3 3	^{207}At (1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
648.2 3	0.29 5	^{122}Cs (21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
648.2 3	0.35	^{154}Tb (22.7 h)	247.925(79), 346.643(69), 1419.81(46)
648.3 1	3.6 4	^{108}In (58.0 m)	875.46(100), 632.96(100), 242.84(41)
648.4	0.08	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
648.4 3	19 5	^{150}Tb (5.8 m)	638.05(100), 650.4(70), 438.37(42)
648.4 3	0.007 4	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
648.4 2	†2.0 3	^{152}Tb (17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
648.45 8	0.124 16	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
648.49 4	1.571 23	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
648.5 4	0.00018 3	^{107}Cd (6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
• 648.5 5	†0.0012 4	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
648.5 3	0.26 4	^{237}Am (73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
648.56 6	0.0075 19	^{155}Sm (22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
648.58 8	0.39 10	^{110}In (4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
648.6 10		^{86}Y (14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
648.7 3	0.23 5	^{104}Tc (18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
648.7 5	0.74 14	^{105}Tc (7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
648.7 3	0.36 8	^{141}Sm (22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
648.7 8	0.087 17	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
648.7 3	†0.90 24	^{189}Hg (7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
648.70 7	0.843 22	^{210}Rn (2.4 h)	458.25(1.7), 570.95(0.840), 72.70(0.59)
648.7 5	†29	^{223}Rn (23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
648.76 6	0.057 13	^{133}I (20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
648.77 12	3.0 4	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
648.78 9	0.15	^{186}Ta (10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
648.8 2	†21	^{138}Eu (12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)

• $t_{1/2} > 1$ d

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$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
648.8 3	0.55 15	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
648.8 4	$\dagger 6.7 \times 10^2$ 14	¹⁵⁷ Ho(12.6 m)	279.97($\dagger 47600$), 341.16($\dagger 37000$), 193.41($\dagger 15200$)
• 648.80 2	28.4 20	²⁵⁴ Es(39.3 h)	693.79(24.3), 688.68(12.3), 584.32(2.84)
648.84 10	0.041 4	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
648.9 1	0.0124 10	⁸³ Br(2.40 h)	529.635(1.200), 520.39(0.0576), 552.63(0.0200)
• 648.9 1	0.085 5	⁸³ Rb(86.2 d)	520.39(44.7), 529.635(29.3), 552.63(16.0)
648.9 1	0.23 2	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
648.9 2	0.25	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
648.98 8	0.57 4	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
649.0 2	0.79 10	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
649.0 1	1.80 18	¹⁹⁸ Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
649.0 10	$\dagger 1.02 \times 10^3$ 23	²³⁴ Pa(1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
• 649.0 10	0.005	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 649.06 8	0.0107 8	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
649.10 10	3.0 4	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
649.1 4	0.81 8	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
649.1 3		¹⁴⁷ La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
649.1 3	23.4 23	¹⁵⁹ Er(36 m)	624.5(33), 205.92(9.7), 165.9(5.0)
649.1 3	0.035 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
649.12 10	$\dagger 41$ 8	²³⁴ Pa(1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
• 649.12 10	0.027 6	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
649.17 20	0.32 7	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
649.18 7	0.055 11	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 649.20 29	0.0037	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
649.20 29	$\dagger 1.1 \times 10^3$ 8	¹⁰⁵ Ag(7.23 m)	319.14($\dagger 63000$), 306.25($\dagger 12800$), 442.37($\dagger 5900$)
649.2 4	$\dagger 10$	¹⁷⁷ Os(2.8 m)	84.7($\dagger 100$), 125.4($\dagger 63$), 195.8($\dagger 61$)
• 649.2 1	0.0014 4	²²⁵ Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
649.22 16	0.20 10	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
649.3 2	0.070 12	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
• 649.31 3	7.1×10^{-7} 5	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
649.33 15	0.222 20	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
649.4 2	2.08 12	⁶⁹ Cu(2.85 m)	1007.5(23.4), 834.4(13.1), 531.2(6.0)
649.4 3	>0.19	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
649.42 20	0.014 3	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
649.42 8	1.39 16	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
649.42 5	2.6	²⁰⁶ Hg(8.15 m)	304.896(31), 344.52(0.7)
• 649.42 5	3.8	²¹⁰ Bi(3.04×10^6 y)	265.832(50), 304.896(28), 344.52(0.7)
649.48 4	0.366 12	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
649.5 6	0.022 4	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
649.5 5	0.29 14	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
649.5 3	0.34 5	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
649.5 7	0.34 5	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 649.564 11	0.078 3	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
649.564 11	10.9 6	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
649.564 11	8.6 7	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
649.59 12	0.70 8	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
• 649.6		¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
649.6 1	1.54 16	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
649.6 2	0.11 5	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 649.60 15	0.045 3	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 649.6 5	0.043 13	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
649.7 2	33	⁶⁵ Ge(30.9 s)	62.0(27), 809.1(21.5), 190.8(10.3)
649.7 3	1.54 15	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
• 649.72 12	0.056 7	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)

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649.72 3	0.34 5	$^{182}\text{Re}(12.7 \text{ h})$	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
649.8 3	2.87 22	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)
649.8 3	$\dagger 0.27 6$	$^{120}\text{Cs}(64 \text{ s})$	322.4($\dagger 100$), 473.5($\dagger 30$), 553.4($\dagger 19.1$)
649.8 15	0.010 4	$^{199}\text{Pt}(30.80 \text{ m})$	542.993(15), 493.772(5.59), 317.056(4.95)
649.81 9	0.0249 17	$^{81}\text{Se}(18.45 \text{ m})$	275.988(0.7), 290.03(0.55), 828.27(0.280)
649.85 4	0.46 3	$^{135}\text{I}(6.57 \text{ h})$	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
649.90 15	28.0 24	$^{109}\text{Sn}(18.0 \text{ m})$	1099.4(30), 1321.3(11.9), 331.1(9.7)
649.9 3	$\dagger 41 3$	$^{117}\text{Pd}(4.3 \text{ s})$	247.5($\dagger 100$), 323.9($\dagger 37$), 625.9($\dagger 28$)
649.9 2	0.052 20	$^{143}\text{Ba}(14.33 \text{ s})$	211.475(25), 798.79(15.6), 980.45(11.55)
650 3		$^{46}\text{K}(105 \text{ s})$	1346.0(100), 1228.7(6.4), 1675(3.5)
650.0 3	2.2 6	$^{99}\text{Zr}(2.1 \text{ s})$	469.140(55), 546.13(48.6), 593.990(27.4)
650.0 3	0.68 7	$^{100}\text{Cd}(49.1 \text{ s})$	936.55(66), 139.71(6.7), 582.5(6.3)
650.00 30	0.023 5	$^{165}\text{Yb}(9.9 \text{ m})$	80.11(49), 68.86(9.1), 1090.28(4.4)
650.0 1	1.8 3	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
650.05 15	0.08 3	$^{111}\text{Sn}(35.3 \text{ m})$	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
650.1 2	$\dagger 2.8 1$	$^{203}\text{At}(7.4 \text{ m})$	639.4($\dagger 100$), 641.5($\dagger 55.8$), 738.1($\dagger 38.4$)
650.1 3	0.036 5	$^{208}\text{Tl}(3.053 \text{ m})$	2614.533(99), 583.191(84.5), 510.77(22.6)
650.14 6	4.9 3	$^{63}\text{Ga}(32.4 \text{ s})$	637.04(11), 627.10(10.3), 192.94(5.7)
650.20 12	20 3	$^{122}\text{Ag}(0.48 \text{ s})$	569.45(96), 759.70(33), 798.4(12)
650.3 3	$\dagger 16$	$^{154}\text{Nd}(25.9 \text{ s})$	151.703($\dagger 800$), 799.55($\dagger 600$), 180.693($\dagger 510$)
650.3 3	6.8 15	$^{194}\text{Tl}(32.8 \text{ m})$	636.5(99), 428.0(99), 748.9(76)
650.4 5	1.31 15	$^{99}\text{Pd}(21.4 \text{ m})$	136.00(73), 263.60(15.2), 673.38(6.9)
650.4 1	0.552 25	$^{111}\text{Pd}(23.4 \text{ m})$	580.00(0.8), 70.44(0.78), 1459.0(0.56)
650.4 2	70 3	$^{150}\text{Tb}(5.8 \text{ m})$	638.05(100), 438.37(42), 827.48(41)
650.4 2	4.03 14	$^{150}\text{Tb}(3.48 \text{ h})$	638.05(72), 496.3(14.8), 792.5(4.39)
650.5 10	0.62 16	$^{96}\text{Rb}(0.199 \text{ s})$	815.0(78.00), 692.0(8.0), 813.2(7.0)
650.5 10	<1.9	$^{97}\text{Rb}(169.9 \text{ ms})$	815.0(100), 692.0(16.5), 414.3(15.0)
650.5 2	2.57 20	$^{132}\text{I}(2.295 \text{ h})$	667.718(99), 772.60(75.6), 954.55(17.6)
650.5 10	3.3 5	$^{164}\text{Ta}(14.2 \text{ s})$	211.05(74), 376.8(22), 605.0(14)
650.5 4	0.26 4	$^{228}\text{Pa}(22 \text{ h})$	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 650.529 60	$2.7 \times 10^{-7} 4$	$^{239}\text{Pu}(24110 \text{ y})$	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
650.56 15	0.188 20	$^{93}\text{Sr}(7.423 \text{ m})$	590.238(67), 875.73(24.1), 888.13(21.8)
650.6 11	0.028 9	$^{101}\text{Mo}(14.61 \text{ m})$	191.92(19), 590.91(16.4), 1012.47(12.8)
650.6 3	4.3 7	$^{121}\text{Cd}(13.5 \text{ s})$	324.976(49.5), 1040.26(16.8), 349.937(12.9)
650.66 5	1.65 13	$^{204}\text{At}(9.2 \text{ m})$	684.341(95), 516.318(90), 426.253(67.5)
• 650.72 6	2.538 17	$^{105}\text{Ag}(41.29 \text{ d})$	344.520(41), 280.41(30.2), 644.55(11.1)
650.72 6	$\dagger > 2.5 \times 10^2$	$^{105}\text{Ag}(7.23 \text{ m})$	319.14($\dagger 63000$), 306.25($\dagger 12800$), 442.37($\dagger 5900$)
650.8 2	0.37 3	$^{92}\text{Sr}(2.71 \text{ h})$	1383.93(90), 953.31(3.52), 430.49(3.28)
650.8 5	0.24 6	$^{138}\text{I}(6.49 \text{ s})$	588.825(56), 875.23(9.2), 2262.19(3.86)
650.8 3	0.007 4	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
650.8 6	$\dagger 48 12$	$^{191}\text{Tl}(5.22 \text{ m})$	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
650.8 4	0.044	$^{203}\text{Bi}(11.76 \text{ h})$	820.3(30), 825.2(14.6), 896.9(13)
• 650.89 15	0.0114 25	$^{79}\text{Kr}(35.04 \text{ h})$	261.29(13), 397.54(9.3), 606.09(8.12)
650.9 3	$\dagger 1.5 5$	$^{171}\text{Hf}(12.1 \text{ h})$	122.0($\dagger 100$), 662.2($\dagger 83$), 347.18($\dagger 47$)
650.9 5	0.77 19	$^{178}\text{Re}(13.2 \text{ m})$	237.3(45), 105.9(23.0), 939.1(8.9)
650.9 3	$\dagger 1.53 20$	$^{201}\text{Po}(15.3 \text{ m})$	890.1($\dagger 100$), 240.1($\dagger 71.0$), 904.2($\dagger 54.8$)
• 650.91 13	0.00028 9	$^{127}\text{Te}(109 \text{ d})$	57.61(0.50), 658.89(0.0122), 593.31(0.00225)
• 650.96 18	0.0099 4	$^{154}\text{Eu}(8.593 \text{ y})$	123.071(40.79), 1274.436(35.19), 723.304(20.22)
651.0 6	0.110 25	$^{103}\text{Ag}(65.7 \text{ m})$	118.72(31.2), 148.193(28.3), 266.86(13.3)
651.0	0.06 3	$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
651	$\dagger 37$	$^{149}\text{Tb}(4.16 \text{ m})$	795.9($\dagger 111$), 164.98($\dagger 8.3$), 773($\dagger 3.9$)
651.01 10	0.97 9	$^{97}\text{Rh}(30.7 \text{ m})$	421.55(75), 840.13(12.0), 878.80(9.0)
651.08 7	0.053 4	$^{139}\text{Cs}(9.27 \text{ m})$	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
651.09 11	0.95 10	$^{197}\text{Pb}(43 \text{ m})$	385.85(74), 387.72(25.1), 222.45(24.6)

• $t_{1/2} > 1 \text{ d}$

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$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 651.10 10	0.012 6	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
651.12 10	32.1 16	⁶⁸ As(151.6 s)	1015.96(78), 761.61(33.8), 1777.70(20.1)
651.2 2	0.0088 17	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
651.256 5	0.88 4	¹¹⁴ Ag(4.6 s)	558.454(20.40), 576.08(1.77), 1301.234(1.31)
651.3	0.07	⁹⁵ Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
651.3 3	0.35 7	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
651.3 1	0.32 5	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
651.3 3	0.038 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
651.35	3.02 12	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
651.4 4	8.5 6	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
651.4 4	0.28 14	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
651.41 14	0.43 7	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
651.41 5	0.43 3	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
651.46 19	1.0 3	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
651.49 4	0.093 8	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
651.5 6	0.50 13	¹²¹ Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
651.5 2	0.30 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
• 651.5 5	0.019 10	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
651.58 15	1.5 4	¹²³ Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
651.6 2	0.54 6	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
651.6 2	†14	⁹⁶ Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
651.6 2	0.52 10	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
651.6 3	0.19 4	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
651.60 6		¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
651.61 5	0.106 10	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 651.68 24	0.045 6	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
651.7 5	0.51 15	⁹⁸ Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
651.7	1.1 4	¹⁴⁵ Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
• 651.8 4	0.0069 23	¹⁰³ Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
651.8 4	0.5 3	¹⁴⁰ Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
651.8 1	0.47 6	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
651.8 10	0.17 3	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
651.8 3	0.039 16	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 651.8 3	0.016 6	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
651.85 25	†6.0 7	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
651.9 5	†3.4 10	¹¹³ I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
651.9 3	11 7	¹¹⁶ Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
651.9 5	0.7 1	¹²⁰ I(53 m)	560.44(100), 601.11(87), 614.62(67)
651.94 12	0.23 5	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
651.96 7	1.10 8	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
652.053 5		²³⁵ Pa(24.5 m)	659.3, 645.896, 637.717
• 652.053 5	6.6×10 ⁻⁶ 2	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
652.1	1.5	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
652.1 1	0.40 4	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
652.1 2	†1.2 3	¹⁹² Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
• 652.1 4	0.040 10	²⁴¹ Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
652.12 2	16.25 22	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
652.2 3	0.14 3	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
652.2 3	11.4 13	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 307.1(10)
652.2 3	0.47 15	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
652.2 2	0.22	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
652.28 13	0.269 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
652.3 3	2.97 17	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
652.3 1	0.46 15	⁹⁶ Sr(1.07 s)	122.297(76.50), 809.401(71.9), 931.7(11.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
652.3 3	0.028 9	$^{103}\text{Tc}(54.2 \text{ s})$	346.380(17.5), 136.079(16.6), 562.90(7.0)
• 652.3 9	0.37 7	$^{127}\text{Sb}(3.85 \text{ d})$	685.7(37), 473.0(25.7), 783.7(15.0)
652.3 14	0.133 14	$^{167}\text{Lu}(51.5 \text{ m})$	29.66(14.4), 239.22(8.6), 213.19(3.6)
652.31 6	2.71 20	$^{132}\text{Sn}(39.7 \text{ s})$	340.53(49), 85.58(48.2), 899.04(44.8)
652.36 10	†1.8 5	$^{131}\text{Pr}(1.53 \text{ m})$	266.13(†100), 72.82(†64), 387.56(†38)
652.4 3	68 2	$^{72}\text{Cu}(6.6 \text{ s})$	1004.6(12.0), 1657.7(10.1), 846.5(7.8)
652.4 3	0.108 18	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
652.4 2	0.42 5	$^{184}\text{Au}(53.0 \text{ s})$	162.97(50), 272.98(40), 362.47(17.5)
652.4 4	†1.6 3	$^{187}\text{Hg}(1.9 \text{ m})$	233.38(†100), 376.34(†38), 240.26(†33)
• 652.43 4	100	$^{98}\text{Tc}(4.2 \times 10^6 \text{ y})$	745.36(102)
652.43 4	94	$^{98}\text{Rh}(8.7 \text{ m})$	745.36(5.3), 1817.0(4.7), 1164.78(4.5)
652.43 4	96 10	$^{98}\text{Rh}(3.5 \text{ m})$	745.36(78), 1144.52(8.5), 761.84(<8)
652.5 5	0.06 3	$^{74}\text{Ga}(8.12 \text{ m})$	595.847(91), 2353.46(44.5), 608.353(14.3)
• 652.5 4	0.099 24	$^{83}\text{Sr}(32.41 \text{ h})$	762.65(30), 381.53(14.1), 418.37(4.41)
652.5 1	0.044 22	$^{109}\text{Ru}(34.5 \text{ s})$	206.29(22.0), 225.98(19.6), 1929.05(13.7)
652.5 2	0.17	$^{140}\text{Sm}(14.82 \text{ m})$	225.5(>10), 225.4(10), 140.0(5.0)
652.5 5	0.20 8	$^{162}\text{Yb}(18.87 \text{ m})$	163.35(40.0), 118.70(33.6), 576.10(3.24)
652.5 4	†6.0 15	$^{164}\text{Tm}(2.0 \text{ m})$	91.40(†1500), 1154.66(†366), 768.91(†279)
652.5 3	22.0 13	$^{181}\text{Lu}(3.5 \text{ m})$	205.94(16.1), 574.9(15.4), 805.7(8.8)
652.5 7	0.46 12	$^{205}\text{At}(26.2 \text{ m})$	719.30(31), 669.41(8.6), 628.88(5.6)
• 652.53	0.09	$^{146}\text{Eu}(4.59 \text{ d})$	747.2(98), 633.03(43), 634.07(37)
• 652.59 15	0.021 7	$^{188}\text{Ir}(41.5 \text{ h})$	155.032(29.7), 2214.62(18.7), 632.99(18)
652.6 5	0.038 14	$^{89}\text{Kr}(3.15 \text{ m})$	220.948(20.1), 586.03(16.6), 904.27(7.2)
• 652.6 1	0.0407 19	$^{125}\text{Sn}(9.64 \text{ d})$	1067.10(10), 1089.15(4.59), 822.48(4.28)
652.62 6	1.7 3	$^{168}\text{Lu}(6.7 \text{ m})$	198.82(28), 979.22(20), 896.12(15)
652.63 2	0.26 6	$^{145}\text{Cs}(0.594 \text{ s})$	175.36(20), 198.93(10.9), 112.46(10.71)
• 652.65 20	0.0166 13	$^{170}\text{Lu}(2.00 \text{ d})$	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
652.7 11	0.028 9	$^{101}\text{Mo}(14.61 \text{ m})$	191.92(19), 590.91(16.4), 1012.47(12.8)
652.70 10	0.31 3	$^{105}\text{Ru}(4.44 \text{ h})$	724.21(47), 469.37(17.5), 676.36(15.7)
652.7 2	†15	$^{138}\text{Eu}(12.1 \text{ s})$	346.6(†100), 544.2(†55), 685.4(†41)
652.72 5	1.02 4	$^{95}\text{Ru}(1.643 \text{ h})$	336.43(70.2), 1096.76(21.0), 626.77(17.8)
652.8 5	1.45 15	$^{99}\text{Pd}(21.4 \text{ m})$	136.00(73), 263.60(15.2), 673.38(6.9)
652.8 8	0.33	$^{101}\text{Cd}(1.2 \text{ m})$	98.0(47), 1722.5(11), 1259.3(8)
652.8 2	†1.27 24	$^{131}\text{Ce}(5.0 \text{ m})$	230.43(†100), 436.85(†7.3), 462.9(†6.9)
652.8 3	0.067 22	$^{179}\text{Re}(19.5 \text{ m})$	430.221(28), 289.968(26.9), 1680.244(13.0)
652.8 1	0.44 5	$^{194}\text{Pb}(12.0 \text{ m})$	581.82(18.8), 1519.45(16.4), 203.82(16.2)
652.80 6	0.143 10	$^{249}\text{Cm}(64.15 \text{ m})$	634.31(1.5), 560.45(0.84), 368.76(0.35)
652.84 9	0.33 4	$^{150}\text{Pm}(2.68 \text{ h})$	333.971(68), 1324.51(17.5), 1165.739(15.8)
652.9 2	8.0 3	$^{91}\text{Sr}(9.63 \text{ h})$	1024.3(33), 749.8(23.61), 925.8(3.84)
652.9 1		$^{91}\text{Tc}(3.14 \text{ m})$	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
652.9 1		$^{91}\text{Tc}(3.3 \text{ m})$	502.90(51.4), 927.60(3.79), 1328.40(2.55)
652.9 4	1.6 3	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)
652.9 5	0.32 6	$^{136}\text{Nd}(50.65 \text{ m})$	108.90(32), 40.2(18.9), 574.8(10.4)
652.9 1	18.7 18	$^{141}\text{Gd}(24.5 \text{ s})$	351.1(89), 223.9(64), 574.9(51)
652.9 3	0.352 25	$^{152}\text{Tb}(4.2 \text{ m})$	344.281(20.8), 411.115(18.8), 471.9(12.2)
652.9 3	†10 4	$^{193}\text{Tl}(21.6 \text{ m})$	324.37(†100), 1044.7(†59), 676.10(†48)
652.94 5	4.5 3	$^{75}\text{Zn}(10.2 \text{ s})$	228.67(28.9), 432.29(20.2), 155.94(17.2)
653.0 5	0.61 13	$^{70}\text{As}(52.6 \text{ m})$	1039.20(81), 1114.1(21.8), 668.3(21.8)
653.0 3	0.24 9	$^{76}\text{Rb}(39.1 \text{ s})$	2571.3(47), 424.0(43.4), 355.6(8.2)
653 2	0.37 13	$^{91}\text{Sr}(9.63 \text{ h})$	1024.3(33), 749.8(23.61), 652.9(8.0)
653	†0.41	$^{120}\text{I}(81.0 \text{ m})$	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
653.0 2	0.049 25	$^{129}\text{La}(11.6 \text{ m})$	278.6(25), 110.5(16.9), 457.0(8.0)
• 653.02 4	†3.77×10 ⁵ 8	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
653.04 11	0.0102 17	$^{133}\text{La}(3.912 \text{ h})$	278.835(2.50), 302.353(1.648), 290.06(1.413)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
653.08 19	†1.2 4	¹²⁶ Cd(0.506 s)	260.09(†100), 428.11(†83.7), 688.23(†5.9)
653.1 3	2.54 15	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
653.20 10	0.8 5	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
653.20 20	0.62 5	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 653.20 4	0.148 7	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 653.20 4	0.28 7	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
653.2 4	†4.9	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
• 653.2 2	0.149 10	²⁴¹ Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
653.25 15	10.1 15	¹¹⁰ Rh(28.5 s)	373.80(91), 546.90(42.4), 687.70(25.8)
653.30 10	0.16 3	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
653.3 5	0.036 18	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
653.3 6	0.61 22	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
653.3	100 5	¹⁵⁰ Ho(26 s)	803.4(100), 393.9(93), 550.9(88)
653.3	15.3 18	¹⁵⁰ Ho(72 s)	803.4(90), 591.3(23), 983(9)
653.3 5	0.06	²³⁸ Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
653.4 1	0.024 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
653.40 10	0.4	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
653.40 10	4.4 4	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
653.4 3	0.11 3	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
653.4 1	2.53 18	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
653.5 1	0.75 8	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
• 653.512 25	15.0 7	¹⁴⁵ Eu(5.93 d)	893.73(66), 1658.53(14.9), 1997.00(7.2)
653.6 1	8.9 4	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
653.6 6	0.4 4	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
653.6 2	†1.17 11	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
653.7 4	9.2 7	¹⁷⁹ Yb(8.0 m)	592.1(75), 612.3(35.4), 381.4(9.6)
653.7 2	†59 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
653.7 1	0.46 6	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
653.7 1		²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
653.75 12	0.44 4	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
653.8 5	0.09 4	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
653.8	†0.3	¹⁶⁰ Lu(36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
653.83 8	8.0×10^{-5} 3	¹³⁵ La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
653.9	0.018	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
653.9 3	0.018 5	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
653.9 3	0.21 3	¹⁸⁴ Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
653.92 40	>0.05	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
653.92 6	0.120 8	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
653.98 8	0.31 4	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
654	0.43	¹²⁵ Cs(45 m)	526(24), 111.8(9), 412(5)
654.0 3	0.7 3	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
654.0 3	0.088 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
654.0 5	†44	²²³ Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
654.02 9	0.09 9	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
654.03 4	0.342 23	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
654.08 8	0.145 13	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
654.1 1	†3.4 4	¹⁰⁴ Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
654.1 3	7.5 14	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
654.1 3	0.81 12	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
654.15 9	†1.09 8	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
654.16 9	0.225 25	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
654.2 1	2.9 6	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
654.2 2	17 1	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
654.2 4	0.38 9	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
654.2	0.45 9	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 654.220 5	1.62 4	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 654.25 6	0.241 16	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
654.26 1	1.526 14	^{131}Te (25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
654.296 23	0.0451 18	^{135}Xe (9.14 h)	249.770(90), 608.151(2.90), 408.009(0.359)
654.3 5	3.01 21	^{129}Sb (4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
654.3 5	†1.2 3	^{164}Hf (111 s)	122.1(†100), 153.3(†47), 313.7(†22)
654.358 16	0.372 8	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
654.36 27	0.031 4	^{137}Pr (1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
654.39 6	0.34 9	^{187}Ir (10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
654.4 2	1.58 11	^{101}Ag (11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
654.4 2	4.2 7	^{119}Ag (2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
654.4 4	0.18 3	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
654.4 7	†0.32 5	^{160}Ho (5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
654.42 8	0.70 5	^{141}Cs (24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
654.49 24	0.231 12	^{79}Rb (22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
654.5 2	0.195 19	^{83}Y (7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
654.5 5	2.1 4	^{120}I (53 m)	560.44(100), 601.11(87), 614.62(67)
654.5 5	0.32 4	^{164}Tb (3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
654.5 3	0.017	^{170}Hf (16.01 h)	164.78(33), 620.7(23), 120.17(19)
654.51 5	0.0138 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
654.53 11	0.78 22	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 654.54 8	0.024 3	^{165}Tm (30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 654.55 11	0.0042 5	^{147}Eu (24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
654.6 2	72	^{82}As (13.6 s)	343.5(58), 1895.4(39), 1731.3(28)
654.6 2	15	^{82}As (19.1 s)	1731.3(4.1), 755.2(1.81), 1080.3(1.69)
654.6 2	0.088 12	^{142}Ba (10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
654.64 9	3.5 7	^{102}Nb (4.3 s)	296.611(79), 1633.10(41), 551.54(30)
654.7 1	0.45 10	^{100}Rh (20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
654.7 2	0.150 16	^{111}Pd (5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
654.7 3	2.0 2	^{130}Sb (39.5 m)	793.53(100), 839.49(100), 331.05(78)
654.7 1	0.14 4	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
654.8 4	2.6 3	^{146}Tb (23 s)	1579.4(100), 1078.6(51.6), 1417.2(17.2)
654.8 3	0.049 10	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
654.8 6	0.58 14	^{176}Tm (1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
654.8	†3.5 3	^{178}Ir (12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
• 654.81 3	2.25×10^{-6} 3	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
654.831 13	8.0 4	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
654.84 7	0.127 24	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
654.9 18	0.0030 11	^{20}Na (447.9 ms)	1633.602(79.3), 8638(<2.59), 2852(<0.210)
654.9 4	8.2 7	^{204}Au (39.8 s)	436.551(91), 1511.10(25.2), 691.80(24.0)
• 655.0	0.038 8	^{56}Co (77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
655.0 2	0.043 9	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
655.0 3	0.19 9	^{157}Tm (3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
655.0 5	†7 4	^{193}Tl (21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
655.08 9	0.70 10	^{208}Rn (24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
655.1 3	1.9 4	^{102}Sr (69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
• 655.10 20	0.0101 5	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
655.17 6	7.7 5	^{90}Br (1.92 s)	707.05(38.0), 1362.32(11.2), 1233.21(4.18)
655.2 5	†0.63 21	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
655.2 2	0.134 21	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
655.22 18	1.5 5	^{186}Ta (10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
655.28 23	0.0124 5	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
655.28 12	0.157 6	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
655.29 20	0.14	$^{137}\text{I}(24.5 \text{ s})$	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
655.30 14	0.1188 16	$^{73}\text{Se}(39.8 \text{ m})$	67.03(2.59), 253.70(2.356), 84.0(2.03)
655.3 2	3.6 6	$^{139}\text{Sm}(2.57 \text{ m})$	273.7(37), 306.7(28.5), 596.3(8.0)
655.3	0.018 14	$^{141}\text{Ba}(18.27 \text{ m})$	190.328(46.0), 304.194(25.4), 276.948(23.4)
655.3	0.9	$^{145}\text{Ba}(4.31 \text{ s})$	96.6(17), 91.9(7), 65.9(5)
655.30 11	1.46 22	$^{183}\text{Ir}(58 \text{ m})$	392.52(10.4), 228.70(6.9), 87.67(5.6)
655.3 2	0.252 22	$^{184}\text{Ta}(8.7 \text{ h})$	414.03(72), 252.848(43), 920.932(32.0)
655.3 10	$\dagger 1.38 \times 10^3$ 15	$^{234}\text{Pa}(1.17 \text{ m})$	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
655.3 2	1.30 13	$^{237}\text{Am}(73.0 \text{ m})$	280.23(47.3), 438.4(8.3), 473.5(4.3)
655.4 5	0.38 8	$^{117}\text{I}(2.22 \text{ m})$	325.9(75), 274.4(20.4), 661.5(5.1)
655.4 5	$\dagger 0.12$ 3	$^{120}\text{Cs}(64 \text{ s})$	322.4($\dagger 100$), 473.5($\dagger 30$), 553.4($\dagger 19.1$)
655.4	0.24	$^{147}\text{Ce}(56.4 \text{ s})$	268.80(7), 92.9(4.7), 374.23(3.5)
• 655.41 6	0.161 19	$^{169}\text{Lu}(34.06 \text{ h})$	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
655.45 20	0.46 7	$^{195}\text{Tl}(1.16 \text{ h})$	563.52(10.5), 884.47(10.0), 1363.88(8.4)
655.56 8	0.046 7	$^{189}\text{Pt}(10.87 \text{ h})$	721.41(9.3), 94.33(7.6), 568.84(7.1)
655.592 28	0.185 19	$^{157}\text{Eu}(15.18 \text{ h})$	63.929(23.0), 410.723(17.5), 370.509(11.0)
655.6	0.21 3	$^{130}\text{La}(8.7 \text{ m})$	357.4(81.0), 550.7(25.9), 908.0(17.0)
• 655.6 5	0.011 5	$^{151}\text{Pm}(28.40 \text{ h})$	340.08(23), 167.75(8.3), 275.21(6.8)
655.6 5	0.15 4	$^{151}\text{Dy}(17.9 \text{ m})$	386.10(19.4), 49.46(18.0), 546.31(14.3)
655.6 4	0.19 7	$^{207}\text{Rn}(9.25 \text{ m})$	344.53(46), 747.15(14.2), 402.68(11.9)
655.7 4	0.11 4	$^{116}\text{In}(54.41 \text{ m})$	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
655.7 3	0.70 18	$^{140}\text{Xe}(13.60 \text{ s})$	805.52(20), 1413.66(12.2), 1315.05(8.2)
655.76 12	$\dagger 4.0$ 8	$^{131}\text{Pr}(1.53 \text{ m})$	266.13($\dagger 100$), 72.82($\dagger 64$), 387.56($\dagger 38$)
655.760 20	0.790 19	$^{163}\text{Tm}(1.810 \text{ h})$	104.320(18.6), 69.229(11.6), 241.305(10.9)
655.78 28	$\dagger 0.8$ 3	$^{165}\text{Lu}(10.74 \text{ m})$	132.49($\dagger 100$), 120.60($\dagger 100$), 174.25($\dagger 47.0$)
655.8 2	2.9 4	$^{139}\text{Sm}(2.57 \text{ m})$	273.7(37), 306.7(28.5), 596.3(8.0)
655.87 11	0.097 15	$^{100}\text{Sr}(202 \text{ ms})$	963.85(22.0), 898.50(18.9), 65.46(15.2)
655.888 20	0.027	$^{179}\text{Lu}(4.59 \text{ h})$	214.335(11.3), 214.930(0.46), 123.3790(0.45)
655.9 3	0.31 7	$^{98}\text{Rb}(114 \text{ ms})$	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
655.9 3	3.4 3	$^{98}\text{Rb}(96 \text{ ms})$	144.224(73), 289.4(68), 3010.5(23.4)
655.9 3	$\dagger 81$	$^{99}\text{Rb}(59 \text{ ms})$	144.224($\dagger 900$), 289.4($\dagger 270$), 1079.8($\dagger 90$)
655.9	0.0042	$^{135}\text{Ce}(17.7 \text{ h})$	265.56(41.8), 300.07(23.5), 606.76(18.8)
655.95 7	0.94 6	$^{145}\text{Ce}(3.01 \text{ m})$	724.33(59), 62.54(13.33), 1148.03(9.15)
656 1		$^{110}\text{I}(0.65 \text{ s})$	
656.0 2	$\dagger 58$ 2	$^{139}\text{I}(2.29 \text{ s})$	527.7($\dagger 100$), 571.2($\dagger 98$), 536.6($\dagger 67$)
656.00 7	0.376 21	$^{165}\text{Yb}(9.9 \text{ m})$	80.11(49), 68.86(9.1), 1090.28(4.4)
656.0 1	1.07 8	$^{190}\text{Re}(3.2 \text{ h})$	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 656.0 1	1.16 7	$^{190}\text{Ir}(11.78 \text{ d})$	186.718(52.4), 605.24(39.9), 518.55(34.0)
656.008 4	10.77 18	$^{61}\text{Cu}(3.333 \text{ h})$	282.956(12.2), 67.412(4.23), 1185.234(3.75)
656.09 10	0.075 14	$^{135}\text{I}(6.57 \text{ h})$	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
656.1 2	1.9 3	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
656.1 1	$\dagger 3.81$ 17	$^{129}\text{Ba}(2.17 \text{ h})$	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
656.12 15	0.102 25	$^{103}\text{Ag}(65.7 \text{ m})$	118.72(31.2), 148.193(28.3), 266.86(13.3)
656.21 10	2.1 3	$^{105}\text{Ru}(4.44 \text{ h})$	724.21(47), 469.37(17.5), 676.36(15.7)
656.22 15	0.75 6	$^{99}\text{Nb}(2.6 \text{ m})$	97.785(7), 253.50(3.64), 2641.3(3.64)
656.3 10	0.19 10	$^{92}\text{Ru}(3.65 \text{ m})$	213.81(96), 259.32(92), 134.57(65.5)
656.3 6	0.66 19	$^{116}\text{Cs}(3.84 \text{ s})$	393.5(<0.09), 524.3(76), 615.1(30.4)
• 656.3 2	2.19 10	$^{126}\text{Sb}(12.46 \text{ d})$	695.03(100), 666.331(100), 414.81(83.3)
656.3 1	1.17 18	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
656.35 14	0.012 3	$^{246}\text{Am}(25.0 \text{ m})$	1078.86(27.7), 798.80(25), 1062.04(17.1)
656.4 5	0.54 5	$^{169}\text{Ho}(4.7 \text{ m})$	788.4(21.2), 853.0(11.2), 760.8(10)
656.4 2	$\dagger 26.6$ 3	$^{203}\text{At}(7.4 \text{ m})$	639.4($\dagger 100$), 641.5($\dagger 55.8$), 738.1($\dagger 38.4$)
656.47 11	0.129 24	$^{133}\text{Ce}(4.9 \text{ h})$	477.22(39), 510.36(20.7), 58.39(19.2)
656.484 12	3.53 20	$^{152}\text{Pm}(7.52 \text{ m})$	244.6989(78), 121.7824(45), 340.48(31.3)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 656.484 12	0.1440 21	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
656.5 4	†250 94	¹⁰⁵ Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
656.5 5	0.06 3	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
656.53 7	0.070 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
656.57 7	1.71 15	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
656.58 13	0.036 4	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
656.6 6	†0.9 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
656.60 20	0.66 10	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
• 656.65 20	0.0125 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
656.69 6	0.131 10	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
656.7 6	0.055 11	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
656.7 4	0.19 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
656.7 3	0.24 3	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
656.7 5	0.45 12	¹²⁷ Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)
656.78 4	0.433 20	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
656.79 5	†9.08 16	¹⁶² Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
656.8	0.09	¹⁴⁷ Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
656.8 3	†3.3 8	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
656.8 1	0.035 4	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
656.8 5	>0.11	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
656.9		⁹⁹ Cd(16 s)	342.6(†100), 671.8(†31), 1583.3(†28)
• 656.93 3	0.141 9	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
656.98 4	6.82 19	¹¹⁵ Te(5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
657.0 5	>0.16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
657.0 2	3.6 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
• 657.0 2	2.8×10 ⁻⁶ 3	²³³ U(1.592×10 ⁵ y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 657.041 5	6.2 3	⁷⁶ As(26.32 h)	559.101(45), 1216.104(3.42), 1212.94(1.44)
657.041 5	15.9 7	⁷⁶ Br(16.2 h)	559.101(74), 1853.67(14.7), 1216.104(8.8)
657.05 6	†79 4	¹⁴² Xe(1.22 s)	571.83(†100), 538.24(†77), 618.314(†72)
657.05 29	0.08 1	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
657.1		¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
657.11 25	0.17 5	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 657.16 5	1.91 3	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
657.17 16	0.32 3	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
• 657.2 2	0.04 2	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
657.2	0.20	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
657.2 1	0.24 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
657.2	0.018 8	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
657.2 7	0.14 7	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
657.24 15	†7.2 10	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
657.3 4	0.22 10	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
657.3 2	0.0013 3	⁶² Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
657.3 6	0.0234 25	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
657.3 6	0.22	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
657.32 7	7.1 5	¹²¹ In(23.1 s)	925.57(87), 261.96(7.9), 919.28(4.2)
657.4 2	†6.8 14	¹⁸⁷ Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
657.4 2	0.262 16	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
657.4 1	0.39 3	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
657.446 9	0.16 6	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
657.49 3	60.6 18	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 954.45(7.8)
657.5 2	>0.00027	⁴⁹ Cr(42.3 m)	90.639(53.20), 152.928(30.32), 62.289(16.39)
657.5 5	0.24 10	⁹⁶ Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
• 657.55 25	>0.00042	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
657.6 5	0.45 4	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 657.6 3	0.0035 5	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
657.6 4	0.11 6	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
657.615 21	1.0 3	¹⁵¹ Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
657.630 23	0.255 7	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
657.66 9	0.0138 6	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
657.668 5	0.0640 10	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
• 657.73 15	0.087 15	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
657.7622 214.5		¹¹⁰ Ag(24.6 s)	815.35(0.0382), 1125.700(0.0153), 818.031(0.0090)
• 657.7622 2194.0 4		¹¹⁰ Ag(249.79 d)	884.685(72.2), 937.493(34.13), 1384.300(24.12)
657.7622 2198 5		¹¹⁰ In(69.1 m)	2129.53(2.13), 2211.49(1.76), 2317.54(1.31)
657.7622 2198.3 20		¹¹⁰ In(4.9 h)	884.685(92.9), 937.493(68.4), 707.40(29.5)
657.77 6	10.0 5	⁸⁹ Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
657.78 8	†92 8	¹²⁹ Sb(17.7 m)	759.8(†100.0), 433.76(†73), 63.6(†10)
657.8 10	0.07	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
657.8	0.16	¹⁴⁸ Dy(3.1 m)	620.24(96), 1247.2(1.4), 178.3(0.5)
657.84 9	0.222 22	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
• 657.86 30	0.190 23	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
657.88 20	†0.74 6	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
657.9 2	0.27 3	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
657.9 3	†24.0 18	¹¹³ Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
657.9 4	>7	¹³¹ Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
657.9 3	0.121 14	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
658		⁹⁹ Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
658.0 2	100	¹⁰⁴ In(1.8 m)	834.1(99), 878.1(29.4), 943.3(14.9)
658.0 6	0.41 17	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
658.0 3	0.7 2	¹³⁰ Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
658.08 6	98	⁹⁷ Nb(72.1 m)	1024.49(1.09), 1268.68(0.148), 1515.59(0.122)
658.09 21		¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
658.1 5	0.031 12	⁹⁰ Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
658.11 12	0.0246 18	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 658.12 10	0.179 8	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
658.2 3	1.7 4	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
• 658.20 20	0.0099 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
658.27	<0.06	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
658.3 10	0.03 3	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
658.4 6	0.059 11	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
658.4 3	0.50	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
658.40 15	6.4 7	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
658.4 2	0.179 20	²³⁸ Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
658.5 2	0.113 17	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
658.5 4	1.50 8	⁹⁷ Pd(3.10 m)	265.26(56), 475.2(26.7), 792.70(13.8)
658.5 3	0.17 3	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
658.5 7	0.88 9	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
658.5 4	0.0006	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
658.5	>0.018	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
658.56 11	0.42 4	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
658.58 13	0.125 9	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
658.6 2	5.7 4	⁸⁹ Mo(2.04 m)	1272.6(3.7), 844.0(3.7), 1154.8(1.80)
658.6 1	0.0031 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
658.6 3	0.52 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
658.61 3	0.81 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
658.7 4	0.28 7	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
• 658.7 3	0.0056 21	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 658.75 15	0.0152 16	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
658.8 7	$\dagger 0.6 3$	^{152}Tb (17.5 h)	344.281($\dagger 1500$), 586.294($\dagger 223$), 271.135($\dagger 203$)
658.8 5	0.009 3	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
658.84 16	0.23 7	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 658.860 4	$9.7 \times 10^{-6} 2$	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 658.89 6	0.0122 9	^{127}Te (109 d)	57.61(0.50), 593.31(0.00225), 650.91(0.00028)
658.9 3	0.21 5	^{88}Br (16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
658.9 2	$\dagger 0.82 9$	^{129}Ba (2.17 h)	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
658.9 5	0.032 14	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
• 658.93 15	0.00030 8	^{155}Tb (5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
658.95 10	0.0024 3	^{161}Ho (2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
659.0 2	0.3 1	^{104}Mo (60 s)	68.8(55), 69.7(17.8), 36.3(14)
659.0		^{120}I (81.0 m)	560.44($\dagger 137$), 1523.0($\dagger 21.1$), 640.85($\dagger 17.1$)
659.0 2	0.38	^{145}La (24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
659.0 2	$\dagger 8.8 9$	^{189}Hg (7.6 m)	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
659.04 20	0.0055 11	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 659.1 3	>0.36	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
659.10 14	3.22 13	^{161}Yb (4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 659.10 6		^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
659.14 4	78.0 23	^{80}Ga (1.697 s)	1083.47(48.4), 1109.36(18.6), 523.18(10.1)
659.14 4	5	^{81}Ga (1.222 s)	1573.57(>0.15), 914.47(>0.15)
659.2 4	0.53 7	^{99}Rh (4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
659.2 3	$\dagger 3.5 7$	^{187}Hg (1.9 m)	233.38($\dagger 100$), 376.34($\dagger 38$), 240.26($\dagger 33$)
659.21 10	0.40	^{137}I (24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
659.25 20	0.132 5	^{18}Ne (1672 ms)	1041.52(7.83), 1700.72(0.056), 1080.51(0.0021)
659.295 8	0.35 4	^{75}Br (96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
659.3 3	0.09	^{104}Tc (18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
659.3 3	0.46 9	^{104}Ag (69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
659.3 5	0.03 3	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
659.3		^{235}Pa (24.5 m)	652.053, 645.896, 637.717
659.32 5	0.0063 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 659.389 12	0.0037 3	^{196}Au (6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
• 659.428 19	0.0681 25	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
659.5 6	0.9 3	^{116}Cs (3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
659.5 3	6.9 15	^{139}Eu (17.9 s)	267.3(31), 155.3(31), 190.1(25)
659.5 1	1.33 10	^{159}Eu (18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
659.5 2	$\dagger 3.4 9$	^{168}Re (4.4 s)	199.3($\dagger 100$), 363.2($\dagger 95$), 479.8($\dagger 62.8$)
659.5 2	$\dagger 0.5 3$	^{194}Bi (92 s)	965.4($\dagger 100.0$), 575.1($\dagger 98.0$), 280.1($\dagger 73.7$)
659.5	$\dagger >0.08$	^{196}Ir (1.40 h)	393.346($\dagger 105.2$), 521.175($\dagger 104$), 447.1($\dagger 102.1$)
659.54 15	$\dagger 4.4 6$	^{165}Lu (10.74 m)	132.49($\dagger 100$), 120.60($\dagger 100$), 174.25($\dagger 47.0$)
659.6 2	0.162 25	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
659.6 5	$\dagger 3.7$	^{177}Os (2.8 m)	84.7($\dagger 100$), 125.4($\dagger 63$), 195.8($\dagger 61$)
659.6 3	$\dagger 0.3 1$	^{200}At (43 s)	665.9($\dagger 100$), 611.1($\dagger 85.0$), 484.5($\dagger 49.8$)
• 659.61 10	0.240 18	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
659.63 10	0.59 6	^{118}Ag (3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
659.63 10	3.3 3	^{118}Ag (2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
659.63 6	2.29 9	^{205}At (26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
659.64 10	0.114 21	^{224}Fr (3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 659.70 20	0.0108 9	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
659.7 1	0.29 3	^{191}Au (3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
659.7 2	0.47 9	^{250}Es (2.22 h)	989.12(13.3), 1031.85(10.6), 828.82(5.5)
659.8 1	0.039 4	^{213}Bi (45.59 m)	440.46(26.1), 292.80(0.429), 807.36(0.292)
659.8 1	0.268 21	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
659.8		^{238}Pa (2.3 m)	1015.3($\dagger < 100$), 1014.6($\dagger < 100$), 635.18($\dagger 88$)
659.835 19	1.10 3	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
659.85 9	0.00257 25	¹³⁴ La(6.45 m)	604.699(5.05), 1554.934(0.414), 563.227(0.359)
659.9	2.44 24	⁴⁰ Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
659.9 3	0.126 13	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
659.9 2	0.152 12	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
659.93 5	3.69 25	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
660.0	0.37	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
• 660	0.014 4	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
660.0 2	0.035 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
660.040 17 89 4		²⁰⁸ At(1.63 h)	686.527(98), 177.595(48.6), 845.044(19.7)
660.05 9	0.0095 9	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
660.06 10	0.0307 11	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
660.06 8	4.79 13	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
660.080 30	0.0266 13	¹⁶⁵ Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
660.08 5	0.85 12	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
660.1 2	1.44 18	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
660.1	>0.024	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
660.2	0.5	⁸³ Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
660.2 1	4.1 3	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
660.2 1	†36	⁹⁶ Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
660.2 3	0.38 4	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
660.2		¹³¹ Sn(58.4 s)	367.40, 285.0, 62.9
660.2		¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
660.2 3	1.71 12	¹⁴⁸ Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
660.3 3		¹⁴⁶ Dy(29 s)	2156.8, 1915.7, 1876.7
660.3 5	0.031 9	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
660.35 35	0.12 4	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
660.4 1	7.1 7	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
660.4 2	0.67 18	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
660.41 24	8	⁹⁸ Ag(46.7 s)	863.1(100), 678.5(85), 570.93(53)
660.5 6	0.048 16	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
660.5 4	0.49 8	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
660.5 5	0.25 7	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
660.5 2	0.34 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 660.5 5	0.190 23	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
660.6 2	0.32 8	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
660.6 5	†3	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
• 660.62 21	0.018 5	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
660.66 10	0.224 13	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
660.67 8	0.12	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
660.7 3	†0.31 6	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
660.7 1	†0.53 9	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
660.8 1	58.94 16	¹⁴⁸ Ho(9.59 s)	1687.5(82.47), 504.3(18.62), 1677.3(17.4)
660.8 3	†5.3 6	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
660.83 8	0.11 3	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
660.88 11	0.75 8	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
660.89 2	0.376 20	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
660.9 1	15.7 16	⁸⁴ Y(40 m)	793.3(99), 974.6(75), 1040.2(56)
660.9 1	0.100 3	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
660.9 2	0.218 17	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
660.9 1	0.226 12	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
660.9 1	0.48 6	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
660.9	0.023 12	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
660.94 3	0.444 17	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
661.0 3	1.54 11	⁹⁵ Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
661.0 3	>0.22	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
661 1	0.028	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
661.06 9	0.30 3	⁶⁷ Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
661.08 4	0.188 7	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
661.1 2	1.17 13	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
661.1	0.23 9	¹⁴⁸ Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
661.11 16	0.35 5	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
661.13 21	0.39 4	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
661.15 30	0.10 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
661.23 5	0.332 12	⁹⁰ Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
661.23 9	0.023 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 661.25 4	0.028 5	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
661.3 2	2.8 2	¹¹⁷ Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
661.3 4	0.41 4	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
661.4 2	0.74 7	⁷⁶ Ga(32.6 s)	562.93(66), 545.51(26.0), 1108.41(15.8)
661.4 2	0.14	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
661.4 2	<0.27	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
661.4 4	0.11 6	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
661.400 10	0.391 23	²⁰⁰ Au(48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 661.400 10	2.28 12	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
661.4 6	0.042 17	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
661.5 3	0.31 4	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
661.5 5	5.1 15	¹¹⁷ I(2.22 m)	325.9(75), 274.4(20.4), 684.0(3.23)
• 661.5 2	0.023 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
661.5 3	1.8 5	¹⁵⁴ Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
661.5 7	0.91 14	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
661.55 4	2.54 24	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
661.58 7	0.89 6	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
661.6 3	25 1	⁵⁰ Mn(1.75 m)	783.29(100), 1097.97(98.5), 1443.28(69)
661.60 10		⁸⁸ Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
661.60 10	1.9 1	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
661.6 2	0.100 15	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
661.62 22	0.055 12	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
661.64 11	0.28 5	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
• 661.660 3	85.1 2	¹³⁷ Cs(30.07 y)	
661.66 16	3.0 6	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
661.7 1	2.7 4	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
661.8 2	†11.3 12	¹⁰¹ Y(448 ms)	98.3(†100), 133.8(†18.8), 232.1(†11.9)
661.9 5	†3.0 8	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
661.90 11	0.0052 21	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
661.9 1	†667 95	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
661.9 7	0.32 13	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
661.98 15	0.188 19	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
662.0 6	0.081 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
662.0 1	†2.11 21	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
662.0	0.5	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
662.06 5	0.0259 15	¹⁴¹ La(3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
662.1 1	3.02 13	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
662.19 5	0.11 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
662.2 3	0.042 7	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
662.2 1	19.7 17	⁹⁸ Pd(17.7 m)	112.0(58), 106.75(13.9), 67.7(8.7)
662.2 4	†3.8	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
662.2 1	†83 9	¹⁷¹ Hf(12.1 h)	122.0(†100), 347.18(†47), 1071.8(†46)
662.2 7	0.08 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
662.24 3	0.18	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 844.10(0.16)
• 662.24 3	0.0012	²⁴³ Am(7370 y)	74.664(68), 43.533(5.93), 117.84(0.57)
662.39 4	1.31 20	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
662.4 4	0.39 7	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
• 662.4 6	8.0×10^{-5} 3	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
• 662.40 2	$\dagger 0.640 \times 10^6$ 20	²⁴¹ Am(432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^6$), 33.195($\dagger 6000 \times 10^8$)
662.42 7	1.28 8	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
662.45 9	1.80 13	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
662.49 12	0.55 4	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 662.5 1	0.024 4	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 662.5 1	0.054 4	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
662.5 4	1.10 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
662.5 3	0.100 25	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
662.5 2	0.134 24	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
662.5 2	0.20 11	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
662.5 5	1.1 3	¹⁹¹ Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
• 662.510 9	0.0808 23	⁷⁷ Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
662.6 1	1.12 7	²⁰⁰ Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
• 662.66 15	0.015 4	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
662.67 11	0.26 3	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
662.7 2	0.19 5	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
662.7 5	$\dagger 0.83$ 21	¹⁸³ Hg(9.4 s)	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
662.72 11	$\dagger 6.6$ 4	¹⁶⁵ Lu(10.74 m)	132.49($\dagger 100$), 120.60($\dagger 100$), 174.25($\dagger 47.0$)
662.78 4	1.38 12	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
662.79 7	0.080 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 662.79 5	0.100 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
662.8 3	0.49 6	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
662.89 15	0.17 5	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 662.898 15	0.284 5	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
662.9 4	0.078 18	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
662.9 3	6.6 13	¹⁵¹ Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
662.9 3	0.34 4	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
662.9 3	1.21 15	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
663.0 3	0.31 5	¹²⁹ In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
663.07 3	9.0 6	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
663.07 3	11.6 18	¹³² La(24.3 m)	464.55(22), 285.6(7), 515.78(7)
663.1 2	0.069 23	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
663.1 3	4.5 5	¹¹² Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
663.1 7	0.35 3	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 663.1 5	$\dagger 0.0037$ 12	²²⁷ Th(18.72 d)	235.971($\dagger 813$), 50.13($\dagger 528$), 256.25($\dagger 463$)
663.14 18	0.17 3	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
663.20 9	0.021 3	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
663.2 2	0.11 4	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
663.20 6	1.50 6	¹⁴⁸ La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
663.2 1	3.27 23	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
663.23 30	0.06 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
663.27 9	0.4 4	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
663.3 4	0.15 4	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
663.3 2	$\dagger 6.5$ 10	¹⁵⁹ Yb(1.58 m)	166.16($\dagger 500$), 177.12($\dagger 159$), 390.20($\dagger 113$)
663.3 6	0.38 5	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
663.3 5	0.0024	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
663.4 3	0.304 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
663.4		¹³¹ Sn(58.4 s)	367.40, 285.0, 62.9
663.4		¹³¹ Sn(56.0 s)	1226.03($\dagger 100$), 450.03($\dagger 90$), 798.50($\dagger 86$)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
663.4 6	0.117 23	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
663.4 5	0.19 4	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
• 663.40 10	0.063 10	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
663.43 7		²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
663.49 2	0.40 4	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
663.5 3	0.030 9	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
663.50 6	0.68 8	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
• 663.5 1	0.095 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
663.58 6	1.62 9	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
663.6 3	0.084 17	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
663.6 2	0.49 7	⁹² Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
663.6 5	0.12 3	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
663.6 2	†1.6 1	²⁰³ At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
• 663.603 7	0.000189 6	¹⁶⁹ Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
663.67 10	0.85 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
663.7 4	0.62 16	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
663.7 7	0.140 11	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
663.7 3	0.0015 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
663.8 3	†0.5	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
663.8 3	2.9 8	¹¹⁴ Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
663.8 2	0.088 21	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
663.8 7	0.16 9	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
663.8 2	0.093 14	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 663.8	3.5×10^{-6}	²⁵³ Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
663.82 10	0.029 6	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
663.9 1	0.0152 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
663.9 1	0.162 10	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
663.9 1	0.54 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
663.94 20	†3.9 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
663.97 8	>0.048	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
663.98 6	0.114 18	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
664.0	†6.0	¹⁴⁴ Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
664.0 2	0.50	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
664.0 5	0.025 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
664.0 5	0.010	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
664.0 3	0.017 3	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
• 664.07 5	0.108 8	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
664.07 10	0.086 11	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
664.07 3	0.017 4	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
• 664.08 8	0.023 9	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
664.08 6	0.009	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
664.1 8	0.08 5	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
• 664.1 1	0.00078 9	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
664.122 7	0.060 8	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
664.13 6	0.128 7	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 664.17 10	0.098 5	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
664.173 18	2.24 6	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
664.20 14	0.52	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
664.2 7	1.1 3	¹⁹⁴ Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
664.2 2	†5.1 4	¹⁹⁴ Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
664.21 13	0.094 4	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
664.44 5	1.17 4	⁷⁸ Rb(17.66 m)	454.97(63), 692.86(12.56), 562.15(11.41)
664.44 5	38.3 4	⁷⁸ Rb(5.74 m)	454.97(81), 1109.72(13.12), 692.86(12.26)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
664.44 14	1.95 25	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
664.5 3	20.1 13	¹⁰⁹ Sb(17.0 s)	925.4(32), 1062.8(23.9), 1495.8(9.6)
664.5 6	0.13 3	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
• 664.536 6	1.66×10 ⁻⁶ 3	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 664.571 15	5.69 4	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 721.929(5.39)
664.58 11	†16.8 12	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
664.60 15	>0.0028	¹³⁹ Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 255.11(0.236)
664.6 2	0.240 18	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
664.63 5	0.149 6	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
• 664.65 14	3.3 8	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 664.68 5	0.0289 11	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
• 664.69 8	0.122 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
664.7 4	0.44 5	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
664.7 2	0.06	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
664.7 5	0.11	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
664.72 9	0.0104 9	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 664.78 5	0.0188 21	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
664.8 3	0.08 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
664.80 10	3.29 21	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
664.9 3		¹⁴⁶ Dy(29 s)	2156.8, 1915.7, 1876.7
664.9 1	3.05 16	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
664.9 2	0.0090 25	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
664.9	0.029 12	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
664.9 2	<0.4	²⁰⁰ Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
664.94 19	0.42 16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 665 1	0.04 4	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
665.0 2	0.42 8	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
665.0 8	†2.3 9	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
665 1	0.23 11	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
665.0 3	1.11 13	¹⁷⁰ Ta(6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
665.0 1	†2.50 25	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
665.0 3	0.129 18	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
665.0 1	0.053 7	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
665.0 2	15.3 8	²³² Ac(119 s)	1899(8.9), 1959(5.4), 1948(5.2)
665.01 12	0.059 16	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
• 665.05 3	5.66 10	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
• 665.067 20	0.377 10	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
665.1 1	0.38 11	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
665.1 2	0.63 24	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
665.1 2	1.13 11	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
665.1 1	>4.9	²⁰⁷ Fr(14.8 s)	
665.2 1	0.80 11	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
665.2 2	0.117 9	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
665.2 5	0.18 6	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
665.2 4	0.045 14	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
665.21 11	0.104 12	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
665.3	2.1	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
665.3	2.3	⁸¹ Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
• 665.3	0.031	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 665.34 4	0.279 19	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 665.361 11	0.36 3	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
665.361 11	0.70 4	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
665.4 7	0.0049 5	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
• 665.40 13	4.1 8	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
665.4 2	3.0 3	¹⁹⁶ Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
• 665.42 12	0.055 5	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
665.423 5	0.0056 15	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
665.45 8	0.202 20	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
665.453 22	1.29 3	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 665.48 30	>0.006	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
665.54	2.5	³⁴ Ar(844.5 ms)	3128.9(1.30), 461.00(0.9), 2580.2(0.863)
665.54 19	99	¹⁰⁰ Ag(2.01 m)	750.67(78), 773.20(24.2), 450.2(17.4)
665.54 19	86	¹⁰⁰ Ag(2.24 m)	750.67(>26), 1693.9(14.7), 2118.1(11)
665.6 5	0.21 4	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
665.7 1	0.12 4	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
665.7 5	†0.45 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
665.7 5	0.21 4	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
665.72 20	0.115 16	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
665.79 6	3.01 21	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
665.8 3	0.67 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
665.8 4	1.06 16	¹⁴⁸ Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
665.85 10	1.16 17	¹³⁴ Te(41.8 m)	767.20(29.0), 210.465(22.3), 277.951(20.9)
665.9	3.6	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
665.9 1	†100	²⁰⁰ At(43 s)	611.1(†85.0), 484.5(†49.8), 565.0(†17.0)
665.9 4	0.0168 14	²³³ Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
665.94 6	0.087 14	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
665.97 10	0.129 18	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
665.98 7	7.7 4	¹⁰⁰ Y(735 ms)	212.531(73), 118.59(15.4), 616.67(6.9)
665.98 7	†13 3	¹⁰⁰ Y(0.94 s)	212.531(†100), 351.960(†33), 878.54(†18)
666.0 4	0.14 6	⁷⁶ Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
666.0	0.042	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
666.0 10	†0.4 1	¹⁸¹ Os(2.7 m)	144.99(†100), 118.03(†28.3), 1118.8(†4.2)
666.05 8	1.65 5	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
666.07 11	0.033 3	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
666.07 12	6.18 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
666.1 12	10.6 7	³¹ Mg(230 ms)	1613.0(36), 946.8(31.5), 1626.1(24.8)
666.1 3	0.39 5	⁹⁵ Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)
666.1 5	0.011 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
666.1 3	0.59 8	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
666.1 2	0.50 5	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
666.1 4	0.15 8	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
666.1 1	1.87 6	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
666.14 9	42	⁸⁰ As(15.2 s)	1644.8(7.5), 1207.12(4.3), 1847.8(1.13)
666.14 9	1.08 9	⁸⁰ Br(17.68 m)	812.6(0.040), 687.4(0.012), 677.0(0.008)
666.178 19	2.05 5	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
666.2 4	>3.2	⁷⁴ Zn(96 s)	56.7(70), 49.4(33.4), 143.5(21.7)
666.2 2		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
666.2	†2.0	¹⁹³ Pb(5.8 m)	365.2(†100), 392.2(†20.7), 716.4(†6.7)
• 666.289 4	0.872 6	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
666.3 2	0.09 4	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
666.3 2	†16 5	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 666.331 12	100	¹²⁶ Sb(12.46 d)	695.03(100), 414.81(83.3), 720.64(53.8)
666.331 12	86	¹²⁶ Sb(19.15 m)	414.81(86), 695.03(82), 1035.07(1.80)
• 666.331 12	33.1 7	¹²⁶ I(13.11 d)	753.819(4.16), 1420.17(0.295), 2045.17(0.0046)
666.4 5	2.6	¹⁴⁶ La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
666.4 4	0.055 17	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
666.45 10	0.064 5	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
666.47 3	†7.5 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
666.5 2	0.36 8	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
666.5 3	0.29 5	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
666.5 1	1.16 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 666.5 3	†4.9×10 ³	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
666.60 8	2.59 14	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
666.60 11	0.84 13	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
666.7 3	†39 4	⁸⁴ Zr(25.9 m)	112.5(†100), 44.9(†48), 372.9(†41)
666.74 6	0.90 10	⁷¹ Zn(2.45 m)	511.56(32), 910.27(7.8), 389.88(3.8)
666.8 7	1.37 17	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
666.8 4	0.23 7	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
666.94 16	16.9 10	⁶⁴ Ge(63.7 s)	427.03(37.4), 128.2(10.7), 774.5(7.0)
666.97 15	1.06 5	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
667.00 30	7.7 4	¹¹⁶ Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
667 1	0.19 6	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
667.00 4	0.839 10	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
667.0		¹⁸⁰ Os(21.5 m)	20.1(†100), 717.4, 48.2
• 667 2	0.0048 24	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
667.05 3	0.16 3	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 667.050 25	0.259 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 667.050 25	>0.26	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
667.09 20	†6.8 7	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
667.1 2	20.7 16	⁸⁴ As(5.5 s)	1455.1(49), 2086.6(4.7), 2461.2(4.0)
667.1 2	6.8 6	⁸⁵ As(2.028 s)	1455.1(16), 577.5(0.96), 1244.6(0.64)
667.1 3	2.5 3	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
• 667.170 20	0.1057 14	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 667.170 20	0.0669 14	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
667.2 5	0.14 6	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
667.2 2	†20 4	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
667.2 5	>0.26	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
667.2 2	17 2	¹⁵¹ Er(23.5 s)	638.3(36), 256.4(15.9), 100.3(10.7)
667.3 1	9.8 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 1173.9(8.94)
• 667.3 5	0.19 7	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
667.3 10	0.8 4	¹⁵¹ Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
667.40 15	0.118 19	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 667.4 2	0.047 10	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 667.404 20	11.04 19	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 75.878(6.08)
667.46	0.023 12	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
667.5 4	0.146 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
667.5 5	>0.050	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
667.5 3	0.251 24	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
• 667.5 9	0.73 7	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
667.60 20	†0.65 7	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
667.7	0.06	⁴³ Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
667.7 1	1.7 6	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
667.7 2	0.33 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
667.7 2	0.26 4	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
667.7		²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
667.718 3	99	¹³² I(2.295 h)	772.60(75.6), 954.55(17.6), 522.65(16.0)
667.718 3		¹³² I(1.387 h)	600.1(14.0), 173.7(8.8), 614.0(2.5)
• 667.718 3	98	¹³² Cs(6.479 d)	630.19(0.95), 505.79(0.73), 1317.927(0.585)
667.8 3	0.28 12	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
667.8 4	†3.5	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 667.872 25	0.073 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
667.9 3	6.3 7	¹¹² Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
667.9 3	0.25 12	¹¹⁹ Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
667.9 3	0.22 12	¹¹⁹ Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
667.9 2	1.02 16	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
667.9 5	0.20 10	¹⁴⁰ Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
• 667.9 3	0.050 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
667.9 2	†0.65 11	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
667.9 6	0.41 6	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
668.0 4	0.118 13	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
668.0 1	0.35 5	¹⁰⁴ Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
668.0 5	6.8 11	¹¹⁹ Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
668.0 2	†21 4	¹³¹ Nd(27 s)	87.8(†100), 174.42(†34), 164.09(†25)
668.0	0.24 7	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
668.10 3	9.7 7	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
668.1 2	0.030 9	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
668.1 4	0.22 11	¹⁶⁷ Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 668.1 3	0.052 14	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
668.11 22	0.010	¹¹⁵ Sb(32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)
• 668.17 10	0.071 8	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
668.2 3	†0.94 9	¹²⁰ Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
668.2 2	0.33	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
668.2	0.34	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
668.2 2	0.31	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
• 668.2 5	3.9×10 ⁻⁸ 13	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
668.21 23	0.31 10	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
668.23 11	7.8 4	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 668.27 10	0.108 6	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
668.3 2	21.8 22	⁷⁰ As(52.6 m)	1039.20(81), 1114.1(21.8), 743.56(21.5)
668.3	4.5	¹⁴⁰ I(0.86 s)	376.657(91), 457.630(59), 936.7(16)
• 668.3	0.0008 4	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
668.3 2	0.239 19	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
668.4 10	†5.1 18	⁷¹ Cu(19.5 s)	489.7(†100), 595.2(†30.5), 586.5(†30.2)
668.4 3	0.37 3	⁹⁸ Rb(114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
668.4 4	1.3 7	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
668.48 12		¹⁹³ Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
668.48 12	0.43 13	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
668.5 2	0.98 10	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
668.5 5	†4	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
• 668.5 8	0.0034 16	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
668.5 2	0.012 3	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
668.5 3	0.39 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
668.54 3	96 3	¹³⁰ I(12.36 h)	536.09(99), 739.48(82), 418.01(34.2)
668.54 3	0.0108 6	¹³⁰ I(9.0 m)	536.09(16), 586.05(1.07), 1614.10(0.447)
668.6 6	0.042 14	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
668.6	0.14	⁹⁵ Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
668.6 4	0.19 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
• 668.6 6	0.019 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 668.7 2	0.36 5	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 668.75 7	0.86 3	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
668.8 10	0.31 16	⁹¹ Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
668.80 30	0.36	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
668.809 10	0.40 3	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
668.9 2	0.61 16	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
668.93 21	†4.3 9	¹⁸⁷ Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
668.97 8	0.048 4	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
668.98 17	$\dagger 14$ 1	^{159}Yb (1.58 m)	166.16($\dagger 500$), 177.12($\dagger 159$), 390.20($\dagger 113$)
669.0	$\dagger 0.5$	^{131}Sn (56.0 s)	1226.03($\dagger 100$), 450.03($\dagger 90$), 798.50($\dagger 86$)
669.0 2	1.9 3	^{131}Sb (23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
669.0 2	0.153 20	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
669.0 3	1.52 19	^{139}Nd (29.7 m)	405.12(7), 1074.2(2.5), 916.9(1.52)
669.0 3	1.2 4	^{152}Ho (49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
669.0 3	0.00012 6	^{161}Ho (2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
669.02 20	0.065 19	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
669.08 10	22.6 4	^{108}Sn (10.30 m)	396.44(64.3), 272.75(45.5), 168.62(19.9)
669.1 1	1.22 16	^{108}Tc (5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
669.1 4	$\dagger 2.8$ 6	^{142}Xe (1.22 s)	571.83($\dagger 100$), 657.05($\dagger 79$), 538.24($\dagger 77$)
669.1 2	0.27 11	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
669.1 5	0.110 23	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
• 669.152 16	0.0134 18	^{154}Eu (8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
669.152 16	0.12 4	^{154}Tb (9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
669.2 5	>0.35	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 669.2 2	0.29 5	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
669.21 13	0.20 3	^{144}Ba (11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
669.28 20	0.34 5	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
669.3 4	0.12 5	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
669.37 15	0.236 25	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
669.38 4	0.862 10	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
669.4 4	0.013 8	^{111}Sn (35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
669.4 3	0.21	^{170}Hf (16.01 h)	164.78(33), 620.7(23), 120.17(19)
669.41 4	8.6 4	^{205}At (26.2 m)	719.30(31), 628.88(5.6), 520.44(4.41)
669.45 12	0.93 24	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
669.59 15	0.068 17	^{191}Au (3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
669.60 7	1.1 2	^{130}Sb (39.5 m)	793.53(100), 839.49(100), 331.05(78)
669.6 3	0.19 6	^{175}Tm (15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
669.60 7	0.59 3	^{207}Po (5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
669.60 7	0.0035 6	^{211}At (7.214 h)	742.64(0.0010)
669.62 5	8	^{63}Zn (38.47 m)	962.06(6.5), 1412.08(0.75), 449.93(0.236)
669.7 4	$\dagger 10$	^{154}Nd (25.9 s)	151.703($\dagger 800$), 799.55($\dagger 600$), 180.693($\dagger 510$)
669.7 1	0.99 5	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
669.8 2	0.076 14	^{107}In (32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
669.8 10	0.82 17	^{129}Sb (4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
669.8 2	4.6 6	^{132}I (2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
669.8 2	$\dagger 3.7$ 6	^{153}Yb (4.2 s)	547.4($\dagger 100$), 674.1($\dagger 61$), 369.6($\dagger 32$)
• 669.8 12	<0.022	^{205}Bi (15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 669.83 20	$\dagger 3.8 \times 10^3$ 12	^{241}Am (432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
669.901	0.0019	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
669.901 16	0.68	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
669.95 10	2.5 8	^{77}Zn (2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
670.0 4	3.7 6	^{112}Sb (51.4 s)	1257.05(96), 990.70(14.3), 894.60(2.7)
670.0 2	$\dagger 0.83$ 9	^{129}Ba (2.17 h)	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
670.0 5	0.10 3	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
670 20	2.0 10	^{210}Tl (1.30 m)	799.7(99), 298(79), 1316(21)
• 670	0.0007	^{249}Cf (351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
670.01 4	14.9 7	^{86}Nb (88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
670.05 20	2.22 16	^{107}Rh (21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
670.10 9	0.043 5	^{133}I (20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
670.1 5	$\dagger 1.04$ 21	^{183}Hg (9.4 s)	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
670.1 2	0.008 3	^{246}Am (25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 670.12 7	0.0081 17	^{143}Ce (33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
670.2 2	0.0067 17	$^{121}\text{I}(2.12 \text{ h})$	212.189(84), 532.08(6.07), 598.74(1.47)
670.2 1	0.202 25	$^{143}\text{Cs}(1.78 \text{ s})$	195.554(13), 232.421(8.32), 306.424(6.80)
670.2 2	0.012 3	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
• 670.2 2	0.57 4	$^{241}\text{Cm}(32.8 \text{ d})$	471.805(71), 430.634(4.06), 132.413(3.86)
• 670.21 2	0.0086 3	$^{97}\text{Ru}(2.9 \text{ d})$	215.718(86), 324.48(10.79), 569.31(0.873)
670.3 3	64	$^{60}\text{Zn}(2.38 \text{ m})$	61.4(26), 273.4(10.9), 334.4(9.0)
670.3 5	0.07 5	$^{75}\text{Kr}(4.3 \text{ m})$	132.43(67), 154.66(20.8), 153.15(8.0)
670.3	0.184 18	$^{141}\text{Ba}(18.27 \text{ m})$	190.328(46.0), 304.194(25.4), 276.948(23.4)
670.32 14	†2.0 5	$^{189}\text{Hg}(7.6 \text{ m})$	320.99(†100), 78.21(†63), 565.42(†48)
• 670.35 20	0.0376 18	$^{170}\text{Lu}(2.00 \text{ d})$	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
670.39 6	0.370 15	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 670.391 27	0.211 21	$^{169}\text{Lu}(34.06 \text{ h})$	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
670.4 3	0.105 17	$^{81}\text{Sr}(22.3 \text{ m})$	153.54(33.8), 147.76(30.1), 443.34(17.5)
670.4 5	0.52 21	$^{135}\text{Nd}(12.4 \text{ m})$	204.02(52), 41.43(23), 441.2(14.9)
670.4 2	†3	$^{139}\text{I}(2.29 \text{ s})$	527.7(†100), 571.2(†98), 536.6(†67)
670.4	0.062 18	$^{149}\text{Tb}(4.118 \text{ h})$	352.24(29.43), 164.98(26.4), 388.57(18.37)
670.41 7	3.7 4	$^{207}\text{At}(1.80 \text{ h})$	814.41(44.5), 588.33(19.2), 300.654(12.8)
670.46 10	2.5 8	$^{77}\text{Zn}(2.08 \text{ s})$	189.49(28.1), 473.94(19.7), 1832.0(12.4)
670.46 11	0.50 4	$^{157}\text{Sm}(482 \text{ s})$	197.870(56.00), 196.461(16.8), 394.351(11.93)
• 670.502 14	5.48 3	$^{166}\text{Ho}(1.20 \times 10^3 \text{ y})$	184.410(72.6), 810.276(58.08), 711.683(55.32)
670.6 1	0.302 25	$^{143}\text{Cs}(1.78 \text{ s})$	195.554(13), 232.421(8.32), 306.424(6.80)
670.6 1	0.047 24	$^{145}\text{Ce}(3.01 \text{ m})$	724.33(59), 62.54(13.33), 1148.03(9.15)
670.6 1	0.47 6	$^{145}\text{Ce}(3.01 \text{ m})$	724.33(59), 62.54(13.33), 1148.03(9.15)
670.6 5	0.20 7	$^{161}\text{Tm}(33 \text{ m})$	45.54(5.00), 1648.1(9.50), 84.40(9.4)
670.7 15	>0.6	$^{68}\text{Cu}(3.75 \text{ m})$	1339.96(12.0), 1077.35(12), 1041.3(9.6)
670.7 4	0.13 6	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
670.75 3	11.4 8	$^{204}\text{Bi}(11.22 \text{ h})$	899.15(98), 374.72(82), 984.02(59)
670.8		$^{75}\text{Rb}(19.0 \text{ s})$	178.98(<63), 178.97(>51), 187.21(8.7)
670.8	0.079 18	$^{149}\text{Tb}(4.118 \text{ h})$	352.24(29.43), 164.98(26.4), 388.57(18.37)
670.8 2	0.252 5	$^{171}\text{Er}(7.516 \text{ h})$	308.31(64.4), 295.901(28.9), 111.621(20.5)
670.8 10	>0.0005	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
670.8 10	†370 90	$^{234}\text{Pa}(1.17 \text{ m})$	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 670.8 10	0.0035 11	$^{234}\text{Np}(4.4 \text{ d})$	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 670.80 4	>9.0 × 10 ⁻⁹	$^{239}\text{Pu}(24110 \text{ y})$	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
670.83 5	†8.0 3	$^{188}\text{Au}(8.84 \text{ m})$	265.63(†100), 340.04(†23.9), 605.5(†16.3)
670.88 5	1.48 10	$^{79}\text{Ga}(2.847 \text{ s})$	464.79(24.2), 516.41(21.5), 1187.28(12.8)
670.89 17	>0.6	$^{68}\text{Cu}(3.75 \text{ m})$	1339.96(12.0), 1077.35(12), 1041.3(9.6)
670.9 8	0.34 6	$^{83}\text{Se}(22.3 \text{ m})$	356.687(70), 510.17(43), 224.8(32.7)
670.9	0.43	$^{185}\text{Ir}(14.4 \text{ h})$	254.4(13.3), 1828.8(10), 60.0(5.7)
• 670.98 2	>9.0 × 10 ⁻⁹	$^{239}\text{Pu}(24110 \text{ y})$	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
671.0 10	0.140 23	$^{115}\text{Ag}(20.0 \text{ m})$	229.08(18), 212.80(4.4), 472.70(4.0)
671.0 1	3.2 5	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
671.0 3	3.2 5	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
671 1	3.0 7	$^{191}\text{Hg}(50.8 \text{ m})$	252.5(57), 420.1(18.6), 578.6(17.6)
671.0 1	34.0 17	$^{200}\text{Po}(11.5 \text{ m})$	617.7(19.7), 434.4(9.3), 796.7(7.9)
671.01 12	0.45 7	$^{202}\text{Bi}(1.72 \text{ h})$	960.67(99), 422.18(83.7), 657.49(60.6)
671.07 10	†10.7 5	$^{165}\text{Lu}(10.74 \text{ m})$	132.49(†100), 120.60(†100), 174.25(†47.0)
671.1 4	0.87 19	$^{113}\text{Rh}(2.72 \text{ s})$	189.7(17.0), 409.3(15.9), 219.6(3.88)
671.1 12	0.122 18	$^{167}\text{Lu}(51.5 \text{ m})$	29.66(14.4), 239.22(8.6), 213.19(3.6)
671.13 25	0.024 3	$^{195}\text{Hg}(9.9 \text{ h})$	779.80(7), 61.46(6.2), 585.13(1.99)
671.151 20	0.98 17	$^{152}\text{Pm}(7.52 \text{ m})$	244.6989(78), 121.7824(45), 340.48(31.3)
• 671.151 20	0.0230 21	$^{152}\text{Eu}(13.542 \text{ y})$	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 671.16		$^{194}\text{Au}(38.02 \text{ h})$	328.455(60), 293.545(10.2), 1468.91(6.3)
671.20 4	64 2	$^{88}\text{Nb}(14.5 \text{ m})$	1082.53(103), 1057.01(100), 502.91(60)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
671.2 5	0.18 4	⁹⁸ Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
671.2 3	0.033 4	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
671.2 3	0.14 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
671.2 5	0.95 21	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
671.2 2	0.14	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
671.23 11	0.70 10	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 671.28 3	0.90 7	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
671.3 5	†3.0	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
671.40 20	0.107 20	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
671.4 2	3.5 10	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
671.4 2	0.18 3	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 671.445 4	1.795 7	¹²⁵ Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
671.46 8	0.70 5	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
671.5 10	1.9 3	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
671.56 10	0.010 4	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
671.6 10	0.3 1	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
671.6 2	0.04	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
671.6 1	0.13 9	²⁰⁸ Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
671.7 2	0.049 10	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
671.7 2	0.66 5	¹⁴³ Gd(39 s)	258.81(75), 204.77(19.4), 463.7(9.9)
671.7 4	0.11 4	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
671.8 4	3.5 4	⁴⁸ K(6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)
671.8 1	8.0 16	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
671.8	†31	⁹⁹ Cd(16 s)	342.6(†100), 1583.3(†28), 975.4(†11)
671.8 2	1.8	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
• 671.8 5	0.022 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
671.8 2	0.022 5	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
671.8 8		¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
671.8 2	†55 8	¹⁹⁴ Bi(106 s)	1308.3(†100), 965.4(†41), 773.5(†31)
671.84 9	0.0044 5	⁶² Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
• 671.84 5	0.0248 9	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
671.9 5	0.012 6	¹³⁰ Cs(29.21 m)	536.09(3.8), 586.05(0.47), 894.5(0.39)
671.9 10	0.103 22	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
671.9 3	0.00028 3	²²⁶ Th(30.9 m)	111.12(3.29), 242.12(0.866), 131.02(0.278)
671.9 3	0.0009 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
671.93 5	0.93 7	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
671.96 9	0.042 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
671.997 17	0.035 8	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
672.0	0.16 4	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
672.0 2	0.24 4	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
672.0 3	0.64 18	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
672.00 15	0.027 8	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
672.05 35	1.54 7	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
672.09 15	0.19 5	¹²³ Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
672.1 2	0.0080 21	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
672.15 20	1.97 8	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
672.20 19	†7.4 7	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
672.21 15	0.022 3	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
672.242 20	6.12 13	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
672.3 5	0.12 3	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
672.3 1	0.03 1	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
672.3 1	0.87 3	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
672.33 10	5.5 3	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
672.35 5	1.84 13	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
672.35 5	0.8 8	¹⁶² Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
672.39 18	0.146 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
672.4 2	0.59 11	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
672.40 15	0.82 16	¹²³ Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
672.4 5	0.28 6	¹³⁶ Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
672.4 7	0.40 17	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
672.5	76 17	¹⁵² Tm(5.2 s)	807.9(100), 422.4(66), 279.9(46)
672.5	†9.5 10	¹⁵² Tm(8.0 s)	807.9(†100), 715.9(†13), 906.8(†6)
672.5 3	0.00018 6	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
672.5 5	2.5 7	¹⁶⁸ Ta(2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
672.51 3	0.109 3	¹⁸⁸ Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 672.51 3	1.44 10	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
672.52 4	0.62 5	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
672.53 11	>0.20	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
672.6 5	0.70 22	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
672.7 5	†4.8 7	¹⁰⁶ Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
672.7 4	0.39 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
672.77 13	>0.20	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
672.8 10		⁸⁸ Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
672.8 3	†2.2 5	¹⁹⁴ Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
672.82 4	3.27 11	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
672.83 24	0.24 3	¹³⁶ Pr(13.1 m)	552.16(76), 539.75(52), 1092.3(18.5)
672.85 5	3.21 15	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
672.9 2	0.35 5	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 672.900 7	0.0027 3	¹⁹⁶ Au(6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
672.96 2	0.456 24	¹⁴⁷ La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
673.0 1	0.24 12	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
673.0 4	0.60 15	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
673.0	1.2	¹³⁴ Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
• 673.0	0.031	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
673.0 4	0.46 9	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
673	0.034	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
673.09 20	0.133 13	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
673.09 20	0.53 5	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
673.10 10	9.4 5	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
673.2 3	0.035	¹¹³ Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
• 673.21 6	1.05 6	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
673.22 17	0.104 13	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
673.3 3	0.16 4	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
673.3 3	0.62 7	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
673.34 6	0.094 5	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
673.36 20	0.043	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
673.38 20	6.9 5	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 1335.6(4.65)
• 673.38	0.029	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
673.4 6	0.038 8	¹⁰¹ Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
673.4 4	1.7 4	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 673.44 4	0.0491 7	⁵⁷ Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
673.5 3	4.4 17	¹⁵² Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
673.5 2	0.31 4	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
673.53 16	0.044 7	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
673.58 7	0.011 3	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
673.6 2	3.4 7	¹²¹ Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
• 673.60 10	0.025 8	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
673.6 4	0.16 9	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 673.65 15	0.0032 4	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
673.65 5	0.299 21	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
673.666 4	0.052 3	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 673.666 4	0.157 5	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
673.67 20	9.3 9	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
673.7 3	0.33 3	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
673.7 3	55 10	¹⁴⁶ Ho(3.6 s)	682.9(100), 925.3(69), 237.2(52)
673.7 6	†16.0 20	¹⁷² W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
673.7 4	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
673.8 12	1.40 14	³¹ Na(17.0 ms)	2243.9(10.4), 171.1(4.8), 2022.2(3.8)
• 673.80 30	0.065 19	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
673.83 8	1.89 5	⁸⁷ Kr(76.3 m)	402.586(49.6), 2554.8(9.2), 845.43(7.34)
673.89 21	0.198 25	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
673.9 2	†0.19 4	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
673.9 10	†6.4×10 ² 13	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
673.97 16	0.21 5	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
673.98 11	15.2 5	⁸³ Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
• 674.00 25	0.069 6	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
• 674.00 4	0.0194 22	¹⁶⁶ Ho(26.83 h)	80.574(6.71), 1379.40(0.93), 1581.89(0.187)
674 1	0.042	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
674.00 5	8	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
674.00 5	4.1	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 674.00 10	4.1×10 ⁻⁷ 5	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
674.1 1	†61 5	¹⁵³ Yb(4.2 s)	547.4(†100), 369.6(†32), 908.8(†25)
674.1 1	45	²¹¹ Rn(14.6 h)	1362.9(32.5), 678.4(28.9), 442.2(23.0)
674.11 20	0.233 22	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
674.16 25	0.059 14	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
674.19 3	6.8 5	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 283.91(6.7)
674.2 5	†0.85 24	¹⁶⁴ Hf(111 s)	122.1(†100), 153.3(†47), 313.7(†22)
674.22 19	0.79 4	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
674.28 17	1.46 10	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
674.3	0.9	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
674.3 5	0.000300 23	¹⁵⁹ Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 674.33 8	0.0057 8	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
674.4 3	†9 3	⁷³ Cu(3.9 s)	449.7(†100), 199.2(†17), 502.0(†12)
674.4 6	0.07 3	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
• 674.43 2	0.1320 14	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
674.5 4	0.10 3	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
674.5 1	†4.0 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 674.5 2	1.0×10 ⁻⁷	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
674.5 2	0.21 7	²³⁶ Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
674.59 18	0.017 6	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
674.6 2	1.6 3	¹⁹⁶ Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
674.6 7	0.35 3	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
674.6	1.5	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
674.61 6	0.680 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
674.63 4	0.104 8	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
674.678 3	0.141 25	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
674.678 3	0.52 9	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
• 674.678 3	0.167 6	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 674.678 3	0.0190 17	¹⁵² Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
674.678 3	†13.1 9	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
• 674.7 3	0.038 7	⁵⁶ Co(77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
674.7 7	0.07 3	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
674.7 2	$\dagger 4.6 4$	$^{185}\text{Hg}(21.6 \text{ s})$	222.8($\dagger 100.0$), 258.7($\dagger 98$), 212.5($\dagger 58$)
674.7 5	0.10	$^{203}\text{Bi}(11.76 \text{ h})$	820.3(30), 825.2(14.6), 896.9(13)
674.788 22	2.57 6	$^{166}\text{Tm}(7.70 \text{ h})$	778.817(18.9), 2052.36(17.2), 184.410(16.1)
674.8 3	$\dagger 25.4 24$	$^{71}\text{Cu}(19.5 \text{ s})$	489.7($\dagger 100$), 595.2($\dagger 30.5$), 586.5($\dagger 30.2$)
674.8 2	0.23 7	$^{121}\text{Cs}(155 \text{ s})$	153.9(15.2), 239.6(7.7), 427.1(3.63)
674.8 2	0.18 5	$^{121}\text{Cs}(122 \text{ s})$	179.4(30.2), 196.0(24.1), 459.7(12.0)
674.8 2	0.049 25	$^{129}\text{La}(11.6 \text{ m})$	278.6(25), 110.5(16.9), 457.0(8.0)
674.86 17	6.3 3	$^{78}\text{Ga}(5.09 \text{ s})$	619.40(77), 1186.42(20.1), 567.06(18.2)
674.9 3	0.27 10	$^{77}\text{Rb}(3.75 \text{ m})$	66.52(57), 178.99(22.2), 393.37(9.7)
674.95 10	0.0030 3	$^{144}\text{Pr}(17.28 \text{ m})$	696.510(1.3), 2185.662(0.694), 1489.160(0.278)
675.0 6	0.015 3	$^{63}\text{Zn}(38.47 \text{ m})$	669.62(8), 962.06(6.5), 1412.08(0.75)
• 675.0 2	3.7 10	$^{126}\text{Sb}(12.46 \text{ d})$	695.03(100), 666.331(100), 414.81(83.3)
675.0	>0.039	$^{197}\text{Tl}(2.84 \text{ h})$	425.84(12.9), 152.22(7.2), 1411.34(4.5)
675.0	$\dagger 20$	$^{205}\text{Rn}(2.8 \text{ m})$	264.9($\dagger 100$), 464.5($\dagger 25$), 620.2($\dagger 25$)
675.05 7	16.8 6	$^{48}\text{K}(6.8 \text{ s})$	3832.2(78), 780.25(31.0), 2788.90(16.1)
675.1 2	0.56 14	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
675.1 1	0.100 10	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
675.15 2	6.8 5	$^{207}\text{At}(1.80 \text{ h})$	814.41(44.5), 588.33(19.2), 300.654(12.8)
675.17 12	0.7 1	$^{193}\text{Hg}(11.8 \text{ h})$	257.97(61), 407.63(25), 573.25(14.2)
675.2 3	62.4 12	$^{52}\text{Ca}(4.6 \text{ s})$	961.2(49.9), 1636.4(35.6), 2070.4(11.2)
675.2 2	$\dagger 6.3 8$	$^{132}\text{Pr}(1.6 \text{ m})$	325.5($\dagger 100$), 496.9($\dagger 25$), 822.4($\dagger 17.3$)
675.20 11	0.169 15	$^{163}\text{Tm}(1.810 \text{ h})$	104.320(18.6), 69.229(11.6), 241.305(10.9)
675.2 6	0.52 20	$^{190}\text{Re}(3.2 \text{ h})$	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 675.2 6	0.060 18	$^{194}\text{Au}(38.02 \text{ h})$	328.455(60), 293.545(10.2), 1468.91(6.3)
675.22 13	14.2 6	$^{186}\text{Tl}(27.5 \text{ s})$	405.43(92), 402.72(45.9), 356.84(29.3)
675.3 3	0.227 21	$^{190}\text{Au}(42.8 \text{ m})$	295.78(71.0), 301.82(23.4), 597.67(9.4)
675.37 15	0.072 13	$^{138}\text{Xe}(14.08 \text{ m})$	258.411(31.5), 434.562(20.3), 1768.26(16.7)
675.38 20	0.06 3	$^{195}\text{Tl}(1.16 \text{ h})$	563.52(10.5), 884.47(10.0), 1363.88(8.4)
675.4	0.30 3	$^{141}\text{Ba}(18.27 \text{ m})$	190.328(46.0), 304.194(25.4), 276.948(23.4)
675.4 1	$\dagger 2.51 23$	$^{192}\text{Tl}(9.6 \text{ m})$	422.8($\dagger 100$), 634.8($\dagger 75.9$), 786.3($\dagger 31.7$)
675.4 10	0.082 17	$^{201}\text{Bi}(108 \text{ m})$	629.1(24.0), 936.2(11.3), 1014.1(10.7)
675.41 22	0.38 3	$^{164}\text{Yb}(75.8 \text{ m})$	40.928(1.147), 390.6(0.31), 446.74(0.28)
• 675.45 20	0.0108 9	$^{170}\text{Lu}(2.00 \text{ d})$	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
675.5 1		$^{125}\text{La}(76 \text{ s})$	67.6(34), 43.6(3.5), 985.2
675.5 3	0.188 15	$^{139}\text{Pm}(4.15 \text{ m})$	402.8(15), 463.1(4.1), 367.8(3.52)
• 675.5 5	0.0009 4	$^{143}\text{Ce}(33.039 \text{ h})$	293.266(42.80), 57.356(11.7), 664.571(5.69)
675.55 23	1.6 4	$^{181}\text{Os}(105 \text{ m})$	238.75(44), 826.77(20), 118.03(12.9)
675.6 5	0.114 16	$^{228}\text{Fr}(39 \text{ s})$	473.7(10.2), 474.0(7.6), 410.40(6.3)
675.7 2	3.7 5	$^{102}\text{Cd}(5.5 \text{ m})$	481.0(63), 1036.6(12.8), 505.1(9.6)
675.7 4	0.60 12	$^{128}\text{La}(5.0 \text{ m})$	284.00(87), 479.24(54), 643.65(14.7)
675.7 2	$\dagger 1$	$^{139}\text{I}(2.29 \text{ s})$	527.7($\dagger 100$), 571.2($\dagger 98$), 536.6($\dagger 67$)
675.7	0.8	$^{194}\text{Tl}(32.8 \text{ m})$	636.5(99), 428.0(99), 748.9(76)
675.75 20	0.064 8	$^{165}\text{Yb}(9.9 \text{ m})$	80.11(49), 68.86(9.1), 1090.28(4.4)
675.79 16	0.162 6	$^{139}\text{Xe}(39.68 \text{ s})$	218.59(56), 296.53(21.7), 174.97(11.3)
675.79 4	0.0254 18	$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
675.795 5	0.514 7	$^{145}\text{Pr}(5.984 \text{ h})$	748.278(0.5250), 72.500(0.261), 978.969(0.256)
675.8 2	$\dagger 8.3 8$	$^{189}\text{Hg}(7.6 \text{ m})$	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
• 675.856 25	0.509 10	$^{150}\text{Eu}(35.8 \text{ y})$	333.971(96), 439.401(80.4), 584.274(52.6)
• 675.8874 190.804 3		$^{198}\text{Au}(2.69517 \text{ d})$	411.8044(96), 1087.6904(0.159)
675.8874 191 1		$^{198}\text{Tl}(5.3 \text{ h})$	411.8044(82), 636.4(10.1), 1200.6(9.7)
675.89 9	0.351 25	$^{78}\text{Rb}(17.66 \text{ m})$	454.97(63), 692.86(12.56), 562.15(11.41)
675.89 9	0.065 16	$^{78}\text{Rb}(5.74 \text{ m})$	454.97(81), 664.44(38.3), 1109.72(13.12)
675.9 6	0.047 9	$^{101}\text{Mo}(14.61 \text{ m})$	191.92(19), 590.91(16.4), 1012.47(12.8)
675.90 7	0.60 10	$^{149}\text{Pr}(2.26 \text{ m})$	138.447(11.0), 165.087(9.9), 108.520(9.5)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 675.90 11	0.075 9	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
676.0 10	0.00045 24	¹⁶⁵ Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
676.0 2	0.285 6	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
676		²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
• 676.03 30	$\dagger 6.4 \times 10^3$ 13	²⁴¹ Am(432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
676.071 6	0.114 18	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
676.1 3		¹⁹¹ Tl(5.22 m)	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
676.10 19	$\dagger 48$ 4	¹⁹³ Tl(21.6 m)	324.37($\dagger 100$), 1044.7($\dagger 59$), 1579.3($\dagger 45$)
• 676.13 10	0.14	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 676.14 11	>0.015	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 676.17 10	0.0172 19	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
676.2 5	0.09 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
676.21 4	1.9 3	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
676.3 3	$\dagger 4.9$ 20	¹⁵⁵ Nd(8.9 s)	180.574($\dagger 100$), 418.99($\dagger 75$), 955.08($\dagger 50$)
676.36 8	15.7 5	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 316.44(11.1)
676.39 12	0.040 4	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
676.4 5	$\dagger 7$ 3	¹⁷ C(193 ms)	1373.8($\dagger 100$), 1849.5($\dagger 92$), 1906.7($\dagger 29$)
676.4 4	0.013 7	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
676.47 2	0.028 8	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
676.48 17	3.29 12	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
676.5	$\dagger 0.80$ 8	¹³⁵ Pm(49 s)	198.5($\dagger 100$), 207.2($\dagger 70$), 463.5($\dagger 62$)
676.5 2	4.1 4	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
• 676.5 2	>0.029	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
• 676.593 6	0.158 7	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
676.593 6	3.2 3	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
676.593 6	0.18 5	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
676.593 6	1.7 3	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
676.6 2	2.6 3	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
676.6 4	$\dagger 4$ 4	¹⁵⁴ Nd(25.9 s)	151.703($\dagger 800$), 799.55($\dagger 600$), 180.693($\dagger 510$)
676.6 1	1.89 10	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
676.6 3	$\dagger 3.1$ 6	¹⁸³ Hg(9.4 s)	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
676.64 7	$\dagger 0.6$ 2	²¹⁵ Bi(7.6 m)	293.54($\dagger 100$), 271.23($\dagger 5.5$), 517.63($\dagger 1.9$)
676.64 7	0.0205 22	²¹⁹ Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
676.69 7	0.013 4	²¹¹ Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
676.7	0.36	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
676.75 24	0.59 4	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
676.8	27 7	⁴⁰ S(8.8 s)	211.55(72), 431.5(37), 888.4(36)
676.8 5	0.0013 5	¹⁴¹ La(3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
676.8 3	1.37 20	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
676.8 5	0.06 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
676.80 10	0.11 3	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 676.81	>0.019	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
676.87 10	0.103 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
676.87 8	0.35 3	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
676.88 12	0.047 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 676.9 5	1.1×10^{-5} 3	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
676.98 4	$\dagger 1.34$ 24	¹⁵⁸ Ho(11.3 m)	218.21($\dagger 100.0$), 98.91($\dagger 70$), 945.7($\dagger 37$)
677.0 10	0.008 3	⁸⁰ Br(17.68 m)	666.14(1.08), 812.6(0.040), 687.4(0.012)
677.0 10	0.008 3	⁸⁰ Br(17.68 m)	616.6(7), 639.6(0.261), 703.9(0.19)
677.0 4	0.316 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
677.0 6	0.05 5	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
677.0 6	0.36	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
677.0 7	$\dagger 2.1$ 5	¹⁹¹ Tl(5.22 m)	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
677.09 8	0.32	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
677.1 4	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
677.11 10	0.064 5	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
677.11 10	0.049 5	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
677.13 10	11.9 12	¹¹⁸ Ag(3.76 s)	487.77(60), 2788.7(11.8), 3224.3(10.5)
677.13 10	53 6	¹¹⁸ Ag(2.0 s)	487.77(57), 1058.39(14.8), 770.90(11.8)
677.20 10	2.4 4	⁸⁶ Nb(88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
677.2 2	0.19 4	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
677.2 2	0.179 24	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
677.2 1	0.84 6	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
677.2 2	†8.5 7	¹⁴⁸ Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
677.2 1	0.177 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
677.21 10	3.51 25	¹²¹ Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
677.23 12	0.40 6	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
677.28 8	78.4 10	³⁰ S(1.178 s)	2342.01(2.27), 709.01(0.29), 3019.23(0.010)
677.3 4	0.06 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
677.338 30	7.8 5	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
677.34 5	0.235 14	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
677.4 5	0.8	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
677.4 6	3.6 5	¹¹⁶ Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
677.4	1.1	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
677.4 5	230	²⁰² At(181 s)	571.6(†216), 442.9(†109)
677.4 1	6.7 4	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
677.406 6	0.0067 19	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
677.41 10	0.48 7	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
677.50 10	0.39 6	¹⁰⁶ Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
677.5 3	2.5 10	¹⁵⁰ Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
677.5 1	†10.4 10	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
677.5 2	†11	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 677.516 7	9.8 3	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 1077.043(6.15)
677.56 13	0.48 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
677.58 12	†7.6 8	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
677.6 3	5.80 21	⁹⁵ Rh(5.02 m)	941.6(72), 1352.0(20.8), 1494.7(5.0)
677.6 2	†65 10	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
677.6 2	†65 10	¹³⁴ Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
677.6 1	0.180 16	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 677.6 1	0.049 11	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
• 677.6 1	1.0×10 ⁻⁶	²³⁴ U(2.455×10 ⁵ y)	53.20(0.123), 120.90(0.0342), 454.95(0.000025)
677.61 22	0.27 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 677.6227 2410.28 8		¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
677.6227 244.5 5		¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
677.69 7	0.382 19	⁹⁰ Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
677.7 1	3.66 17	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
677.7 1	0.023	⁹⁵ Rb(377.5 ms)	836.9(2.9), 1089.4(0.14), 1309.1(0.12)
677.7 2	1.3 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
• 677.71 7	1.47 6	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
• 677.846 32	0.148 6	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
677.86 6	0.045 4	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
677.88 3	2.65 6	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
677.9 1	2.4 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
678	†6	⁹² Br(0.343 s)	769(†100), 1446(†10), 1035(†6)
678.0 8	0.0047 11	²⁵¹ Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
678.04 10	0.087	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
678.07 20	0.050	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
678.1 1	0.37 3	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
678.10 25	0.38 14	$^{122}\text{In}(10.3 \text{ s})$	1140.55(98), 1001.58(50.7), 1190.58(20.5)
678.1	0.005	$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
678.1 1	0.47 7	$^{236}\text{Th}(37.5 \text{ m})$	110.8(4.2), 646.6(0.72), 196.0(0.69)
678.13 30	0.10 4	$^{137}\text{Nd}(38.5 \text{ m})$	75.5(17.0), 580.6(13), 306.60(10.0)
678.2 7	2.2 5	$^{60}\text{Mn}(1.77 \text{ s})$	823.63(74), 1968.8(53), 492.9(18.0)
678.26 12	0.0009 4	$^{137}\text{Ce}(9.0 \text{ h})$	447.15(1.8), 10.6(0.8), 436.59(0.265)
678.3	0.27 8	$^{133}\text{Ce}(4.9 \text{ h})$	477.22(39), 510.36(20.7), 58.39(19.2)
678.3	0.55 16	$^{133}\text{Ce}(4.9 \text{ h})$	477.22(39), 510.36(20.7), 58.39(19.2)
• 678.30 15	0.045 5	$^{151}\text{Pm}(28.40 \text{ h})$	340.08(23), 167.75(8.3), 275.21(6.8)
678.3 2	0.27 4	$^{183}\text{Ir}(58 \text{ m})$	392.52(10.4), 228.70(6.9), 87.67(5.6)
678.3 9	0.029 12	$^{192}\text{Au}(4.94 \text{ h})$	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
678.38 6	0.095 5	$^{121}\text{I}(2.12 \text{ h})$	212.189(84), 532.08(6.07), 598.74(1.47)
678.38 5	0.199 11	$^{155}\text{Dy}(9.9 \text{ h})$	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
678.4	0.15	$^{147}\text{Ba}(0.893 \text{ s})$	167.4(11), 105.2(4.8), 196.1(4.8)
678.4 3		$^{147}\text{Ho}(5.8 \text{ s})$	189.1(†100), 883.9(†100), 486.7(†61)
678.4 1	†2.9 3	$^{171}\text{Ta}(23.3 \text{ m})$	49.6(†100), 506.4(†54), 501.8(†22.6)
678.4 1	28.9 14	$^{211}\text{Rn}(14.6 \text{ h})$	674.1(45), 1362.9(32.5), 442.2(23.0)
678.4 6		$^{238}\text{Pa}(2.3 \text{ m})$	1015.3(†<100), 1014.6(†<100), 635.18(†88)
678.42 12	0.18 3	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
678.5 3	85 4	$^{98}\text{Ag}(46.7 \text{ s})$	863.1(100), 570.93(53), 452.0(11.0)
678.5 3	†100 17	$^{107}\text{Sn}(2.90 \text{ m})$	1129.2(†100), 1540.6(†30), 1001.3(†29)
678.5 3	†<0.5	$^{111}\text{Rh}(11 \text{ s})$	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
678.5 3	0.57 5	$^{177}\text{W}(135 \text{ m})$	115.65(50), 426.98(13.2), 1036.4(10.3)
678.5 1	0.97 15	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
678.56 12	0.20 3	$^{144}\text{Ba}(11.5 \text{ s})$	103.855(23.30), 430.48(18.3), 172.828(15.4)
• 678.578 3	0.461 8	$^{152}\text{Eu}(13.542 \text{ y})$	344.281(26.58), 778.91(12.96), 411.115(2.231)
678.578 3	†4.9 5	$^{152}\text{Tb}(17.5 \text{ h})$	344.281(†1500), 586.294(†223), 271.135(†203)
678.578 3	0.198 25	$^{152}\text{Tb}(4.2 \text{ m})$	344.281(20.8), 411.115(18.8), 471.9(12.2)
• 678.6 3	0.049 5	$^{83}\text{Sr}(32.41 \text{ h})$	762.65(30), 381.53(14.1), 418.37(4.41)
678.6 3	6.1 3	$^{109}\text{Sb}(17.0 \text{ s})$	925.4(32), 1062.8(23.9), 664.5(20.1)
• 678.6 2	0.059 9	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
678.6 7	0.231 22	$^{199}\text{Bi}(27 \text{ m})$	560.1(22.0), 424.85(22), 841.7(11)
678.65 25	0.022 7	$^{133}\text{I}(20.8 \text{ h})$	529.872(87.0), 875.329(4.51), 1298.223(2.35)
678.8 4	0.051 9	$^{103}\text{Ag}(65.7 \text{ m})$	118.72(31.2), 148.193(28.3), 266.86(13.3)
678.8 3	0.93 7	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)
678.8 1	†13.8 4	$^{129}\text{Ba}(2.17 \text{ h})$	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
678.8 6	2.2 4	$^{191}\text{Hg}(50.8 \text{ m})$	252.5(57), 420.1(18.6), 578.6(17.6)
678.84 5	0.0126 6	$^{127}\text{Cs}(6.25 \text{ h})$	411.95(62.8), 124.70(11.37), 462.31(5.07)
678.85 8	0.21	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
678.87 4	0.045 7	$^{189}\text{Pt}(10.87 \text{ h})$	721.41(9.3), 94.33(7.6), 568.84(7.1)
678.9 3	26.4 8	$^{114}\text{Rh}(1.85 \text{ s})$	332.9(87), 519.8(48.4), 618.7(31)
678.9 2	1.64 15	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
679.0 10	53	$^{246}\text{Am}(39 \text{ m})$	205.0(36), 152.9(25), 756(13.3)
679.04 15	0.64 9	$^{74}\text{Br}(46 \text{ m})$	634.78(91), 728.37(35.6), 634.26(16.4)
679.08 15	0.030 5	$^{168}\text{Ho}(2.99 \text{ m})$	741.356(36.6), 821.164(34.5), 815.990(18.6)
679.1 2	5.1 5	$^{84}\text{Y}(40 \text{ m})$	793.3(99), 974.6(75), 1040.2(56)
679.1 2	8	$^{116}\text{I}(2.91 \text{ s})$	540.0(1.20)
679.1 2		$^{117}\text{Xe}(61 \text{ s})$	
679.1 5	0.028 6	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
679.13 6	†2.01 12	$^{188}\text{Au}(8.84 \text{ m})$	265.63(†100), 340.04(†23.9), 605.5(†16.3)
679.2 2	†5.0 5	$^{136}\text{Pm}(107 \text{ s})$	373.8(†100), 602.7(†38.4), 857.2(†23.4)
679.2 2	†2.9	$^{136}\text{Pm}(47 \text{ s})$	373.8(†100), 862.5(†28), 488.7(†22)
679.2 2	6.9 6	$^{136}\text{Pm}(107 \text{ s})$	373.8(15.0), 602.7(12.3), 857.2(12.72)
679.2 4	0.17 7	$^{159}\text{Er}(36 \text{ m})$	624.5(33), 649.1(23.4), 205.92(9.7)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
679.22 15	0.055 14	^{135}I (6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
679.3 4	0.18 7	^{139}Sm (2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
679.40 10	1.03 7	^{83}Se (22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
679.44 14	0.18 9	^{186}Ir (16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
679.5 4	0.255 25	^{238}Am (98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
679.6 13	4.0 8	^{53}Ti (32.7 s)	127.6(46), 228.4(40), 1675.5(25)
679.6 2	0.60 17	^{133}Sb (2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
679.6 3	0.049 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 679.64 2	0.64 4	^{106}Ag (8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
679.68 10	0.103 19	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
679.7 2	39.7 12	^{69}Ni (11.4 s)	1871.1(40.9), 1213.0(39.3), 1483.2(34.1)
• 679.7		^{225}Ac (10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 679.7 1	0.00087 22	^{225}Ac (10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
679.8 7	0.06 3	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
679.9 10	0.030 10	^{116}In (54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
679.9 3	†1.7 4	^{131}Pr (1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
679.9 8	0.144 18	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
679.9 3	0.092 13	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
679.9 2	0.45 7	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
679.9 2	0.26 11	^{205}Po (1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
680.0 3	0.12 3	^{91}Kr (8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
• 680.0 2	0.0069 14	^{191}Pt (2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
680		^{199}Po (5.48 m)	246.0(28), 845.7(23), 206.7(5.1)
• 680		^{243}Cm (29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
• 680	0.0046	^{249}Cf (351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
• 680.035 9	0.097 4	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 680.10 10	†3.13×10 ⁴ 16	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
680.1 3	†73	^{238}Pa (2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
680.16 8	2.21 13	^{80}Ge (29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
680.2 1	0.658 14	^{93}Y (10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
680.2 6	0.042 8	^{111}Sn (35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
680.2 2	0.087 23	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
680.2 5	0.0005 3	^{179}Lu (4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
680.22 8	0.0110 6	^{106}Rh (29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
680.22 8	0.0032 5	^{106}Ag (23.96 m)	511.842(17.0), 621.94(0.316), 873.48(0.199)
680.24 19	0.054 13	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
680.247 15	0.650 16	^{133}I (20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
680.30 15	0.035 18	^{60}Cu (23.7 m)	1332.501(88), 1791.6(45.4), 826.06(21.7)
680.3 1	†8.53 21	^{95}Pd (13.3 s)	1350.9(†105), 716.6(†70.63), 381.8(†50.8)
680.3 5	0.22 7	^{161}Tm (33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
680.3 5	0.0043 14	^{167}Yb (17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
680.36 12	0.0388 11	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
680.41 10	0.96 4	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
680.420 10	1.88 9	^{106}Rh (131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 680.420 10	1.54 8	^{106}Ag (8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
680.42 2	7.62 21	^{204}Po (3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
680.5 2	0.200 15	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
680.5 1	15.9 18	^{128}Sn (59.07 m)	482.3(59), 75.1(27.7), 557.3(16.5)
680.5 3	0.16 3	^{150}Pr (6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
• 680.516 10	0.753 18	^{203}Pb (51.873 h)	279.1967(81), 401.323(3.35)
• 680.52 15	0.020 4	^{147}Nd (10.98 d)	91.105(28), 531.016(13.1), 319.411(1.95)
680.6 4	0.21 7	^{100}Cd (49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
680.6 1	0.695 16	^{113}Ag (5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
680.6 5	0.25 5	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 680.613 19	0.092 3	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 680.66 5	†0.60 4	¹⁰² Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
680.68 9	6	⁹³ Ru(59.7 s)	1434.73(0.73), 1015.90(0.42), 1801.4(0.378)
• 680.68 5	0.217 21	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
680.7 1	14.8 10	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 328.7(9.3)
680.7 1	†121	⁹⁶ Rb(0.199 s)	352.02(†700), 204.02(†200), 328.7(†71)
• 680.7 4	0.11 4	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
680.74 15	0.068 17	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
680.79 6	0.0188 11	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
680.85 13	6.5 7	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
680.87 40	0.66 22	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
681.0 2	0.0039 3	⁸³ Br(2.40 h)	529.635(1.200), 520.39(0.0576), 552.63(0.0200)
• 681.0 2	0.031 5	⁸³ Rb(86.2 d)	520.39(44.7), 529.635(29.3), 552.63(16.0)
681.0 5	0.24 4	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
681.0 1	0.28 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
681.1 1	0.32 4	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
681.1 1	0.0160 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
681.12 6	0.17 3	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
681.14 13	0.80 10	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
681.2 6	0.05 5	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
681.2 6	0.016	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
681.22 8	0.38 3	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
681.29 16	†2.9 4	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
681.3 4	0.09 3	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
681.33 21	0.80 10	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
681.34 15	0.0080 16	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
681.4 2	0.422 22	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
681.4 1	0.50 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
681.4 4	0.15 5	²⁴² Np(2.2 m)	735.93(5), 780.44(2.76), 1473.1(2.34)
• 681.50 25	0.0078 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 681.5 1	0.00075 9	¹⁷⁷ Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
681.5	0.22	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
681.52 15	†0.23 3	¹⁵³ Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
681.54 18	†1.60 12	¹⁶² Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
681.6 5	0.13 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
681.6 2	0.259 12	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
681.63 82	0.06 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
681.7 3	20 5	¹¹⁶ Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
681.7 3	0.68	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
681.7 7	†2.0 9	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
681.7 3		¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
681.8 2	4.4 5	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
681.8 2	0.21 4	¹³⁸ Pr(2.12 h)	1037.8(101), 788.742(100), 302.7(80)
681.8 4	0.18 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
681.80 14	0.067 9	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
• 681.82 4	0.694 25	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 681.90 7	0.045 7	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
681.9 4	0.71 17	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
• 681.9 3	0.04 1	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
681.9 1	2.31 13	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
681.97 16	0.033 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
682.0 5	0.5 1	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
682.0 8	0.38	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
682.0 5	0.0022 12	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
682.00 7	0.20	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
682.0 5	0.036 13	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 682.0 6	$>1.5 \times 10^{-5}$	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
682.10 10	1.24 6	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
682.1 3		¹⁴⁶ Dy(29 s)	2156.8, 1915.7, 1876.7
• 682.10 30	0.047 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 682.12 28	0.021 9	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
682.14 10	$\dagger 0.93$ 7	¹⁸⁴ Ir(3.09 h)	263.97($\dagger 100$), 119.80($\dagger 45$), 390.38($\dagger 38$)
682.2 5	$\dagger 2.0$ 5	¹⁰⁶ Mo(8.4 s)	465.70($\dagger 100$), 54.00($\dagger 54$), 618.60($\dagger 25$)
682.2 3	0.33 7	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
682.25 20	0.0216 22	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
682.3 3	0.23 10	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
• 682.3 10	0.5 3	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
682.30 25	0.00054 9	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
682.3 2	$\dagger 9$	²⁵⁶ Es(7.6 h)	861.8($\dagger 100$), 231.1($\dagger 61$), 172.6($\dagger 49$)
• 682.31 4	0.612 15	¹⁶⁰ Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
682.31 4	$\dagger 1.23$ 14	¹⁶⁰ Ho(5.02 h)	728.18($\dagger 100$), 879.383($\dagger 65.9$), 962.317($\dagger 59.1$)
682.31 4	0.49 6	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
682.32 2	0.007 7	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
682.34	0.08 4	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
682.35 15	0.20 3	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
682.37 7	>0.21	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
682.37 7	0.0494 21	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
682.4 4	0.13 7	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
682.44 15	0.20 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
682.5 2	$\dagger 1.06$ 11	¹⁸⁵ Hg(21.6 s)	222.8($\dagger 100.0$), 258.7($\dagger 98$), 212.5($\dagger 58$)
682.5 3	0.063 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
682.6 6		¹¹⁴ I(2.1 s)	708.9
682.6 3	0.56 6	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
682.60 6	0.077 22	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
682.660 22		¹³¹ Sn(56.0 s)	3267.5, 2470.5, 2039.25
682.660 22		¹³¹ Sn(58.4 s)	367.40, 285.0, 62.9
682.660 22	$\dagger 3.1$ 9	¹³¹ Sn(56.0 s)	1226.03($\dagger 100$), 450.03($\dagger 90$), 798.50($\dagger 86$)
682.7	0.5	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
682.7 3	$\dagger 61$ 9	¹³⁶ I(46.9 s)	1686.1($\dagger 100$), 1689.0($\dagger 85$), 240.5($\dagger 74$)
682.7	0.5	¹⁹⁴ Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
682.8 4	1.6 3	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
682.8 4	$\dagger 14$	⁹⁶ Rb(0.199 s)	352.02($\dagger 700$), 204.02($\dagger 200$), 680.7($\dagger 121$)
682.80 10	0.39 6	¹⁰⁶ Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
682.8 4	0.18 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 682.82 9	0.0086 17	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
682.9 6	81 4	⁵⁸ Cr(7.0 s)	126(75), 289.5(18.8), 520.4(15.8)
• 682.9 4	0.021 9	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
682.9 2	$\dagger 3.2$ 6	¹⁰¹ Nb(7.1 s)	276.10($\dagger 100$), 157.466($\dagger 32$), 13.5($\dagger 32$)
682.9 3	100	¹⁴⁶ Ho(3.6 s)	925.3(69), 673.7(55), 237.2(52)
682.97 6	6.4 5	¹⁴⁸ La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
683.0 1	0.42 4	¹⁴² Eu(2.34 s)	768.1(10), 1658.1(1.75), 1754.1(1.49)
683 1	0.0007	²⁵¹ Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
683.08 3	54.3 16	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 445.99(5.53)
683.10 7	0.052 3	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
683.11 5	0.53 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
• 683.153 7	1.28 3	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
683.162 27	0.23 4	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
683.2 1	0.0203 22	¹³⁷ Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
683.2 10	1.3 3	^{191}Hg (50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
683.21 10	0.109 25	^{119}Te (16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
683.22 6	0.083 11	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
683.3 3	0.11 5	^{107}Ru (3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
683.3 1	88 7	^{152}Ho (49.5 s)	647.2(92), 613.8(88.4), 492.9(72.5)
• 683.32 11	0.0031 8	^{152}Eu (13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
683.32 25	0.25 3	^{187}Au (8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
683.39 15	0.22 3	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
683.4 2	0.26 6	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
683.4 10	$\dagger 5.7 \times 10^2$ 12	^{234}Pa (1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
683.44 2	1.25 8	^{145}Cs (0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
683.5 2	7.1 7	^{190}Tl (3.7 m)	416.4(91), 625.4(82), 731.1(37)
683.5 2	8.7 16	^{190}Tl (2.6 m)	416.4(79), 625.4(11.1), 1099.9(7.1)
683.5 1	0.22 3	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 683.5 3	0.026 3	^{205}Bi (15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
683.54 6	0.182 9	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
683.59 15	0.108 14	^{138}Cs (33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
683.6 3	5.1 3	^{129}Sb (4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
683.6 3	0.69 21	^{129}Sb (4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
683.6 3		^{129}Sb (17.7 m)	759.8($\dagger 100.0$), 657.78($\dagger 92$), 433.76($\dagger 73$)
683.6 3	$\dagger 2$	^{131}Ce (10.3 m)	169.42($\dagger 100$), 414.25($\dagger 68$), 119.18($\dagger 44$)
683.64 4	1.88 15	^{125}Cd (0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
683.647 19	0.778 16	^{122}I (3.63 m)	564.119(18), 692.794(1.325), 793.278(1.297)
683.7 2	0.17 3	^{92}Kr (1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
683.7 5	$\dagger < 0.5$	^{132}Pr (1.6 m)	325.5($\dagger 100$), 496.9($\dagger 25$), 822.4($\dagger 17.3$)
683.8 3	96 12	^{96}Ag (5.1 s)	1415.4(100), 325.1(88), 106.4(40)
683.8 5	0.30 15	^{97}Rh (30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
683.8 5	0.33 11	^{97}Rh (46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
683.8 5	$\dagger 8$	^{99}Rb (59 ms)	90.8($\dagger 100$), 125.2($\dagger 40$), 1071.6($\dagger 26$)
683.80 20	0.085 25	^{103}Ag (65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
683.8	> 1.2	^{145}Ba (4.31 s)	96.6(17), 91.9(7), 65.9(5)
683.8	1.2	^{145}Ba (4.31 s)	96.6(17), 91.9(7), 65.9(5)
683.87 3	0.49 3	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
683.9 3	3 1	^{128}Sb (9.01 h)	753.82(100), 743.22(100), 314.12(61)
683.9 2	0.15 3	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
684.0 1	1.85 11	^{77}Zn (2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
684.0 1	0.198 24	^{109}Ru (34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
684.0 5	3.23 23	^{117}I (2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
• 684.0 2	0.0107 19	^{125}Sn (9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
684.0 3	0.42 7	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
684.0 6	0.19 6	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
684.0 5	$\dagger 8.1$ 16	^{195}Bi (183 s)	807.6($\dagger 100$), 831.7($\dagger 100$), 776.2($\dagger 95$)
684.0 1	0.97 25	^{206}Fr (15.9 s)	575.3(12), 559.0(8.19), 628.6(3.6)
684.06 20	0.073 17	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
684.1 5	0.55 22	^{57}Cr (21.1 s)	83.16(8.3), 850.2(8.2), 1752.1(5)
684.1 6	0.95 19	^{116}Cs (3.84 s)	393.5(< 0.09), 524.3(76), 615.1(30.4)
684.1 6	0.86 19	^{178}Re (13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
684.1 4	$\dagger 6.5$ 7	^{191}Tl (5.22 m)	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
684.25 20	0.17 5	^{123}Cd (1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
684.26 16	5.39 7	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
684.28 8	0.41 3	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
684.28 5	0.583 20	^{246}Am (25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
684.3 4	0.15 3	^{76}Kr (14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
684.3 5	0.0020 12	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
684.3 2	0.29 14	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
684.3 3	†2.3 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
684.3 3	†0.24 3	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
684.33 3	0.380 17	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
684.341 10	95 3	²⁰⁴ At(9.2 m)	516.318(90), 426.253(67.5), 609.13(24.6)
684.4 2	0.08 4	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
684.5 3	4.3 4	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
684.6 5	7.8 5	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
684.6 5	0.25 9	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
684.6 4	0.07 4	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
684.6 3	4.7 7	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
684.6 2	†3.5 10	¹²⁹ Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
684.6 2	0.023 9	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
684.65 10	2.1 1	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
684.7 2	7.9 6	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
684.7 5	†11	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
684.7 1	0.59 5	²¹¹ Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
684.77 12	0.78 10	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
684.8 4	0.19 3	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
684.8 4	0.131 22	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
684.80 20	0.00551 20	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
684.8 2	0.21 3	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
684.85 10	0.33 3	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
684.88 7	9.4 5	¹⁹⁵ Ir(3.8 h)	98.85(10), 432.86(9), 319.90(9.4)
684.9 5	0.8	¹³⁶ Te(17.5 s)	2077.9(22), 333.99(19), 578.75(18)
684.90 10	1.16 14	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
684.96 21	0.32 16	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
685.0 2	†0.274 21	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
685.0 12	†65	¹⁷⁸ Os(5.0 m)	968.7(†100), 1331.1(†94), 594.6(†72)
685.0 3	0.30 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
685 1	0.021 6	¹⁹³ Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
685.0 1	0.36 5	²⁴² Np(2.2 m)	735.93(5), 780.44(2.76), 1473.1(2.34)
685.1 2	0.26 9	¹⁴⁰ Eu(1.51 s)	530.7(29), 1068.0(3.2), 459.9(3.19)
685.1 2		²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
685.1 2	0.14 3	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
685.13 11	1.58 13	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
685.2 3	0.45 5	¹¹⁸ I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
685.2 3	0.19 3	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
685.2 5	0.2	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
685.2 2	0.047 24	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
685.2 2	0.095 11	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
685.3 2	1.22 17	⁴⁵ Ar(21.48 s)	1020.04(34.0), 3703.2(33.3), 61.35(25.0)
685.3 3	0.063 13	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
685.3 2	0.087 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
685.3 5	0.15 8	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
685.37 20	0.067 7	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
685.37 20	0.025 3	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
685.4 2	0.050 6	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
685.4 2	†41	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 399.0(†23)
685.4	0.18 5	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
685.4 2	†1.71×10 ³ 24	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
685.49 5	95.7 24	⁹⁶ Rh(9.90 m)	832.57(100), 631.71(74.5), 741.87(29.4)
685.49 5	3.6 16	⁹⁶ Rh(1.51 m)	832.57(39), 1098.51(8.9), 1692.2(7.0)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
685.5 3	2.2	⁶⁷ As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
685.5 5	1.75 13	⁹⁷ Pd(3.10 m)	265.26(56), 475.2(26.7), 792.70(13.8)
685.5 3	0.24 3	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
685.5 3	3.1 7	¹⁵¹ Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
685.5 2	2.2 6	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
685.55 8	0.12	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
685.6 6	0.0041 16	⁶³ Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
685.60 5	15.3 10	⁸⁰ Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
685.6	23	⁹⁵ Sr(23.90 s)	2717.3(4.6), 2933.1(4.1), 2247.6(3.8)
685.6 5	0.50 25	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
685.6 5	4.4 9	⁹⁸ Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
685.6 4	0.84 13	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
685.6 3	0.45 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
685.6	0.019 7	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
• 685.6 3	0.00024 3	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
685.6 2	0.12 3	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 685.7 5	37	¹²⁷ Sb(3.85 d)	473.0(25.7), 783.7(15.0), 252.4(8.5)
685.7 5	†0.76 9	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
685.774 18	27.3 6	¹⁸⁷ W(23.72 h)	479.531(21.8), 72.001(11.14), 134.243(8.85)
685.79 8	0.156 16	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
685.80 8	0.49 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
685.8 1	1.24 23	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
685.9 7	0.038 20	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
685.9 1		¹²⁵ La(76 s)	67.6(34), 43.6(3.5), 985.2
• 685.9 1	0.202 15	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
• 685.90 4	0.81 5	¹⁴⁷ Nd(10.98 d)	91.105(28), 531.016(13.1), 319.411(1.95)
685.90 4	0.12	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
685.93 10	0.622 11	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
685.94 11	0.26 4	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 685.97 11	8.7×10^{-7} 3	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
685.99 3	1.07 4	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
685.99 3	0.000345 16	¹³⁰ I(9.0 m)	536.09(16), 586.05(1.07), 1614.10(0.447)
686.0 3	0.40 8	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
686 1	2.1 8	⁷⁰ As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
686.0 3	0.068 9	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
686 1	†12	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
686.0 10	2	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
686 2	2.1	²⁴⁶ Am(39 m)	679.0(53), 205.0(36), 152.9(25)
686.1 1	0.46 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
686.1 1	1.8 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
686.1 3	†48 5	¹⁴³ Tb(12 s)	45.1(†100), 462.8(†45), 380.3(†43)
686.20 10	69	⁹⁷ Ag(19 s)	1294.30(32)
686.2 3	3.7 4	¹¹² Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
686.2 2	0.0093 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
686.2 30	0.18 4	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
686.2 4	4 3	¹⁴⁰ Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
686.2 2	†4.5 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
686.2 1	†62 5	²²⁷ Rn(22.5 s)	162.14(†100), 739.2(†65), 805.0(†33)
686.22 6	0.255 7	⁶⁶ Ga(9.49 h)	1039.30(37), 2752.01(23.38), 833.50(5.89)
686.3 2	0.92 11	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
686.3 5	0.21 8	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
• 686.31 10	0.431 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 686.31 6	0.006	²¹⁰ Bi(3.04×10^6 y)	265.832(50), 304.896(28), 649.42(3.8)
686.48 4	0.242 20	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
686.5 2	0.21 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
686.5 2	†3.0 1	²⁰³ At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
686.51 11	0.135 10	⁹³ Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
686.527 20	98	²⁰⁸ At(1.63 h)	660.040(89), 177.595(48.6), 845.044(19.7)
686.54 10	†10.3 5	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
686.6 3	0.094 14	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
686.6 3	3.2 4	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
• 686.6 5	0.0008 3	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
• 686.61 5	0.0192 17	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
686.66 8	0.194 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
686.7 3	0.33	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
• 686.8 2	>0.10	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
686.9 5	0.005 3	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
686.943 21	0.088 5	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
686.99 5	3.25 20	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
686.99 3	†54	²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
687.0 1	0.66 6	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
687.0 1	3500	¹⁰⁰ Rh(4.6 m)	539.59(†5900), 1827.2(†1410), 1535.6(†1118)
687.0 3	4.3	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
687 1	0.06 3	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
687 1	†2.2 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
687.0	0.261 6	²¹¹ At(7.214 h)	
• 687 2		²⁴¹ Pu(14.35 y)	148.567(†309000), 103.680(†69400), 77.10(†35100)
• 687.015 3	6.39 6	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
687.015 3	0.068 10	¹¹⁰ In(69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
687.1 3	2.9 5	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
687.19 10	0.139 11	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
687.2	†23	¹⁴⁸ Cs(158 ms)	141.7(†100), 545.5(†20), 633.2(†19)
687.2 7	0.50 16	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
687.22 10	0.7 6	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
687.22 10	0.9 6	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
687.22 5	0.013 4	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
687.254 7	0.65 11	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
687.28 15	2.6 4	¹²⁵ Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
687.3 4	0.070 18	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
687.4 10	0.012 3	⁸⁰ Br(17.68 m)	666.14(1.08), 812.6(0.040), 677.0(0.008)
687.4 10	0.012 3	⁸⁰ Br(17.68 m)	616.6(7), 639.6(0.261), 703.9(0.19)
687.43 14	1.40 8	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
687.47 4	1.63 22	¹³³ Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
687.5 3	†2.6 6	¹⁰³ Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
687.5 3	0.024 7	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
687.5 2	0.64 18	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
687.502 13	1.18 12	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
687.52 12	2.0 6	³⁰ Mg(335 ms)	443.62(71), 243.89(<71), 2168.9(2.1)
687.55 8	0.53 3	⁷⁸ Rb(17.66 m)	454.97(63), 692.86(12.56), 562.15(11.41)
687.55 8	0.032 16	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
687.56 7	1.82 5	²⁰⁷ Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
687.59 9	9.9 5	²³⁶ Pa(9.1 m)	642.35(37.0), 1762.7(6.0), 1807.8(2.24)
687.59 9	0.250 5	²³⁶ Np(22.5 h)	642.35(0.9), 538.11(0.0110), 104.234
• 687.59 9		²³⁶ Np(1.54×10 ⁵ y)	160.308(32), 104.234(7.2), 45.242(0.13)
• 687.59 9	3.5×10 ⁻⁶ 2	²⁴⁰ Pu(6563 y)	45.242(0.0450), 104.234(0.00708), 160.308(0.000402)
687.6 2	†31 3	¹⁰³ Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
• 687.6		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
687.6 7	†44 11	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
687.6 8	0.034 17	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
687.614 24	0.0049 4	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
687.7 2	1.9 4	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
687.70 17	25.8 15	¹¹⁰ Rh(28.5 s)	373.80(91), 546.90(42.4), 838.22(25)
687.7 4	0.19	¹⁴³ Sm(66 s)	959.8(0.039)
• 687.7 1	59 3	¹⁹⁴ Ir(171 d)	482.833(97), 328.455(93), 600.5(62)
687.7 6	0.006 3	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 687.74 17	0.0021 5	¹³² Cs(6.479 d)	667.718(98), 630.19(0.95), 505.79(0.73)
687.79 11	0.66 6	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
687.8 5	0.039 20	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
687.8 3	0.19 3	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
• 687.83 6	0.030 3	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
687.83 5	1.94 24	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
687.9 2	0.8	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
• 687.93 4	0.269 14	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
687.95 8	0.0267 15	¹²³ I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
688.0 1	0.42 20	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
688.0 3	0.011 11	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
688.0 3	1.08 17	¹²⁷ Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)
688.0 4	†5 1	¹³⁵ Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
688.0 5	>0.13	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
688.0	0.051 14	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
688.0 4	0.19	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
• 688.00 8	0.197 7	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
688.1 1	23	⁷⁹ Rb(22.9 m)	182.77(19.2), 143.41(13.9), 129.72(10.74)
688.1		¹¹² In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
688.1 1	0.0295 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
688.1 2	†1.00×10 ³ 14	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
688.10 5	0.069 5	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
688.1 3	†33.3 28	²³³ Pu(20.9 m)	235.4(†100), 534.8(†90.2), 500.3(†38.6)
• 688.1 3	1.11×10 ⁻⁷ 11	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
688.12 11	0.203 20	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 688.15 4	0.0103 8	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
688.2 1	0.82 4	¹³⁸ Pr(1.45 m)	788.742(2.4), 1551.1(0.42), 1447.8(0.130)
688.23 10	0.299 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
688.23 10	†5.9 4	¹²⁶ Cd(0.506 s)	260.09(†100), 428.11(†83.7), 555.40(†4.8)
688.25 10	†33 4	¹⁶³ Hf(40.0 s)	70.98(†100), 62.14(†64), 45.39(†48)
688.3 3	3.5 3	¹⁰⁰ Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
688.3 5	0.74 10	¹¹⁹ Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
688.3 2	†51 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
688.4	0.29	⁸³ Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
688.4 7	0.008 6	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
688.44 15	21.2 13	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
688.44 15		¹⁶⁴ Ho(29 m)	73.392(2.0), 761.8
688.48 2	0.238 20	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
688.50 10	0.29 9	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
688.5 3	0.049 10	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
688.5 2	3.7 3	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 1276.5(3.3)
688.5 2	0.012 3	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
688.5 3	†87 12	²³⁴ Ac(44 s)	1847(†100), 1912(†91), 1954(†70)
• 688.52 4	0.227 9	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
688.6 5	0.25 21	⁵⁹ Mn(4.6 s)	726.7(42), 472.71(29.0), 570.81(24.8)
688.6	1000	²⁰² Po(44.7 m)	316.0(†286), 165.7(†174), 790.5(†145)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
688.66 3	0.266 23	^{132}La (4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
688.678 6	0.066 17	^{152}Pm (4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
688.678 6	2.27 14	^{152}Pm (7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
• 688.678 6	0.835 17	^{152}Eu (13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
688.678 6	0.0668 20	^{152}Eu (9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
688.68 18	0.10 3	^{187}Au (8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 688.68 2	12.3 9	^{254}Es (39.3 h)	648.80(28.4), 693.79(24.3), 584.32(2.84)
688.70 7	0.55 6	^{75}Zn (10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
688.7 7	0.092 25	^{84}Br (31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
688.7 2	†6.0 8	^{101}Y (448 ms)	98.3(†100), 133.8(†18.8), 232.1(†11.9)
688.7 6	0.13 5	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
688.7 3	0.7	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
688.7 3	0.34	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 688.72 4	†3.25×10 ⁵ 5	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000×10 ⁸), 33.195(†6000×10 ⁸)
• 688.76 10	0.0061 17	^{196}Au (6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
688.9 4	0.043 9	^{112}Ag (3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
688.9 6		^{112}I (3.42 s)	786.9
688.94 8	0.20 5	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
688.957 7	0.026 6	^{200}Au (48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 688.957 7	0.11 4	^{200}Tl (26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
689.0 3	0.160 25	^{116}In (54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
689.0 3	0.135 18	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
689.0 3	†4.17 17	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
689.0	0.44	^{147}Ba (0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
689.00 9	35.5 13	^{196}Bi (308 s)	1049.21(87), 776.6(9.1), 1449.7(6.9)
689.00 9	†19.2 6	^{196}Bi (240 s)	1049.21(†21.1), 371.93(†20.8), 59.23(†14.4)
689	0.017	^{210}Rn (2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
689.07 5	0.070 10	^{93}Mo (6.85 h)	949.82(0.120), 541.32(0.060), 385.31(0.060)
689.07 11	0.122 16	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
689.10 15	4.3 4	^{123}Ag (0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
689.1 3	†0.39 11	^{188}Au (8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
689.17 10	2.53 6	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
689.26 5	9.7 3	^{209}Rn (28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 689.286 20	2.37 3	^{171}Lu (8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
689.29 25	0.17 3	^{86}Y (14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
689.3 3	0.079 10	^{95}Ru (1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
689.39 8	0.041 7	^{85}Br (2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
689.4 3	0.034 7	^{100}Tc (15.8 s)	539.59(7), 590.83(5.7), 1512.1(0.44)
689.4 3	0.013 13	^{100}Rh (20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
689.40 30	3.9 9	^{115}Te (6.7 m)	770.40(34.2), 723.569(18), 1071.70(12.9)
• 689.40 10	0.168 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
689.4 2	1.0 3	^{157}Tm (3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
689.4 3	0.24	^{167}Dy (6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
689.42 22	†22 3	^{164}Tm (2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
689.48 4	4.12 12	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
689.5	1.2	^{96}Y (9.6 s)	1750.42(89), 915.0(60), 617.1(56)
689.5 3	0.0025 12	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
689.5 5	1.5 10	^{150}Tb (5.8 m)	638.05(100), 650.4(70), 438.37(42)
• 689.6 9	0.00042 18	^{99}Mo (65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
689.7 5	0.60 8	^{117}I (2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
689.8 2	0.24 9	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
689.8 3	†4.8 10	^{185}Pt (33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
689.9 3	0.0302 23	^{81}Rb (4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
689.90 17	0.294 19	^{144}Ba (11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
689.9 5	2.2 6	^{191}Hg (50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
689.90 15	0.197 6	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
• 689.99 6	0.251 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
690.0 8	0.47	^{101}Cd (1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
690	10	^{203}Au (53 s)	
690.04 9	0.0249 25	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
690.04 8	1.41 12	^{190}Re (3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 690.04 8	0.28 3	^{190}Ir (11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
690.06 12	1.00 8	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
690.13 5	0.130 14	^{135}I (6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
690.2 2	1.87 14	^{61}Zn (89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
690.2 5	†8.0 10	^{113}I (6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
690.2 2	†0.8 1	^{182}Ir (15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
• 690.23 8	0.00061 6	^{115}Cd (53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
690.300 26	0.11 5	^{109}Rh (80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
690.3 3	†4.17 17	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
690.32 6	0.19 3	^{202}Bi (1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
690.4 4	†10 3	^{112}Te (2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
690.50 25	3	^{80}Y (35 s)	385.86(100), 595.06(39), 1185.20(20)
690.5 2	0.27 13	^{121}Cs (155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
690.5 2	0.21 10	^{121}Cs (122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
690.5 10	0.08 4	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
690.50 20	0.28 7	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
690.52 16	0.183 18	^{97}Zr (16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
690.6	†0.6	^{131}Pr (1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
690.7 3	†4.8 7	^{153}Yb (4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
690.7 2	†0.5 2	^{172}Ir (2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
690.7 2	†4.0 10	^{192}Bi (37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
• 690.715 6	9.0×10^{-7} 25	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
690.72 7	0.398 16	^{90}Kr (32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
• 690.74 3	0.122 3	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
690.75 20	1.07 9	^{161}Yb (4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
690.8 12	0.068 14	^{91}Tc (3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
690.8 4	0.7	^{113}Ag (68.7 s)	316.3(18), 392.3(11), 298.58(10)
690.8 1	0.14 3	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
690.8 3	2.91 7	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
690.8 2	0.33 4	^{161}Er (3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
690.8 1	†6.66 39	^{192}Tl (9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
690.86 4	0.95 9	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
690.89 23	†5.8 9	^{181}Pt (51 s)	289.29(†100), 111.97(†100), 230.15(†92)
690.9 2		^{106}In (6.2 m)	632.66(100), 861.16(92), 997.87(48)
690.9 2		^{106}In (5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
690.9 2	0.058 11	^{107}Ru (3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
690.90 10	5.6 3	^{156}Pm (26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
• 690.943 20	0.480 23	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
690.96 2	†5	^{144}Cs (1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
691.0 2	0.45 10	^{121}Ag (0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
691.0 5	0.074 14	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
691.0 3	†3.3 6	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
691.0 3	†2.8 5	^{185}Pt (33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
691.0	0.7	^{194}Tl (32.8 m)	636.5(99), 428.0(99), 748.9(76)
691	>0.034	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
691.08 3	2.79 17	^{133}Sb (2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
691.08 15	4.32 7	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
691.08 10	$\dagger 7.8 \times 10^3$ 7	^{234}Pa (1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
• 691.08 10	0.038 4	^{234}Np (4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
691.1 1	0.0025 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
691.1 4	0.09 5	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
691.1 3	0.183 19	^{186}Hg (1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
691.17 15	2.90 22	^{195}Pb (15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
691.2 3	0.058 15	^{143}Eu (2.63 m)	1107.3(8), 1536.8(3.29), 1912.7(2.13)
691.2 2	0.55 5	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 691.249 14	1.343 15	^{166}Ho (1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
691.249 14	7.39 15	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
691.31 20	0.126 25	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
691.4 6	0.35 4	^{205}At (26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
691.47 11	$\dagger 1.23$ 9	^{184}Ir (3.09 h)	263.97($\dagger 100$), 119.80($\dagger 45$), 390.38($\dagger 38$)
691.5 7	0.28 6	^{74}Kr (11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
691.5 3	0.112 15	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
691.5 4	0.032 13	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
691.5 5	0.12 5	^{207}Rn (9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
691.6 2	$\dagger 14.3$ 11	^{103}Mo (67.5 s)	83.4($\dagger 100$), 423.91($\dagger 69$), 45.8($\dagger 57$)
691.6 2	0.81 8	^{126}Ba (100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
691.6 5	0.16 3	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
691.6 2	0.23 7	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
691.6 3	0.047 9	^{195}Ir (3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
691.7 9	0.24 14	^{117}Ag (5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
691.70 6	0.30 3	^{183}Hf (1.067 h)	783.754(66), 73.174(38), 459.069(27)
691.736 22	0.601 22	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 691.75 20	0.0166 9	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
691.8 5	16.6 17	^{69}Se (27.4 s)	97.98(66), 66.4(24.8), 789.7(4.7)
691.8 4	0.12 4	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
691.8 3	$\dagger 3.6$ 9	^{191}Tl (5.22 m)	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
691.80 10	24.0 7	^{204}Au (39.8 s)	436.551(91), 1511.10(25.2), 723.00(22.2)
• 691.81 10	0.213 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
691.81 12	0.68 10	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
691.87 10		^{118}Ag (2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
691.87 84	$\dagger 6$ 3	^{164}Tm (2.0 m)	91.40($\dagger 1500$), 1154.66($\dagger 366$), 768.91($\dagger 279$)
691.88 13	0.042 9	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
691.9 7	0.050 12	^{127}Ba (12.7 m)	180.8(12), 114.8(9.3), 66.06(2.12)
691.9	0.16	^{148}Dy (3.1 m)	620.24(96), 1247.2(1.4), 178.3(0.5)
691.9	0.42	^{185}Ir (14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
692.0 4	0.22 6	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
692.0 1	8.0 5	^{96}Rb (0.199 s)	815.0(78.00), 813.2(7.0), 1037.3(6.6)
692.0 1	16.5	^{97}Rb (169.9 ms)	815.0(100), 414.3(15.0), 813.2(11.2)
692	>0.10	^{99}Sr (0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
692.0 1	1.41 6	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
692.0 2	4.7 5	^{190}Tl (3.7 m)	416.4(91), 625.4(82), 731.1(37)
692.0 2	0.65 17	^{200}Po (11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
• 692.0 7	$\dagger 0.0025$ 7	^{227}Th (18.72 d)	235.971($\dagger 813$), 50.13($\dagger 528$), 256.25($\dagger 463$)
692.03 2	5.50 17	^{57}Mn (87.2 s)	122.0614(13.9), 14.41300(10.56), 352.36(2.09)
• 692.03 2	0.157 9	^{57}Co (271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
692.04 6	3.00 17	^{141}Cs (24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
692.06 4	1.39 9	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
692.2 3	0.41 7	^{98}Rb (114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
692.22 5	0.452 23	^{80}Ga (1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
692.29 12	0.121 13	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
692.3 2	$\dagger 4.1$ 10	^{131}Sn (56.0 s)	1226.03($\dagger 100$), 450.03($\dagger 90$), 798.50($\dagger 86$)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
692.3 2	2.20 18	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
692.3 4	†20.9 16	¹⁹³ Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
692.31	0.85 4	¹¹ Be(13.81 s)	4443.93(100), 2124.473(100), 7282.92(87.0)
692.32 21	†3.1	¹⁰² Tc(4.35 m)	475.070(†115), 628.05(†35.3), 631.28(†21.3)
• 692.32 21	1.60 20	¹⁰² Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
692.36 12	0.10 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
692.37 8	4.27 16	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
692.4 4	2.9 8	¹²² In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
692.4 2	2.8 6	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
692.4 6	0.09	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
• 692.421 7	1.802 11	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
692.421 7	3.3 3	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
692.421 7	3.18 20	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
692.421 7	2.9 3	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
692.5 4	0.031 2	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
692.5 5	0.06 3	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
692.5 2	5.1 3	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
692.54 12	0.16 5	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 692.55 11	0.048 4	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
692.55 11	0.0014 8	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
692.6 3	0.088 20	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
692.6 1	1.24 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
692.70 20	1.07 13	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
692.7		¹³² Pr(1.6 m)	325.5(†100), 496.9(†25), 822.4(†17.3)
692.7 2	0.66 14	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 692.794 17	3.78 12	¹²² Sb(2.70 d)	564.119(69), 1256.901(0.80), 793.278(0.016)
692.794 17	1.325 25	¹²² I(3.63 m)	564.119(18), 793.278(1.297), 683.647(0.778)
692.8 4	0.07 5	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
692.8 7	0.32 4	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
692.8 3	0.031	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
692.8 8	0.056 25	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
692.86 5	12.56 8	⁷⁸ Rb(17.66 m)	454.97(63), 562.15(11.41), 3438.16(10.8)
692.86 5	12.26 14	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
692.899 24	0.065 6	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
692.9 3	2 1	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
692.9	5.5	¹⁴⁹ Ho(58 s)	1034.6(99.7), 1736.4(28.0), 372.1(25.3)
692.92 12	0.124 18	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
693.0 6	†12 3	¹¹⁹ Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
693.0 4	0.32 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
693.0 5	0.20 7	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
693.0 4	2.5 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
693.09 2	0.32 4	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
693.1 5	4.8	⁶⁷ As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
693.1 3	0.378 24	⁷³ Zn(23.5 s)	218.1(6.00), 910.5(1.91), 495.6(1.48)
693.1 2	0.26 5	⁹⁶ Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
693.1 2	†2.0 3	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
693.1 2	2.6 4	¹³⁶ Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
693.1 1	†3.6 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 693.17 20	0.043 6	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
693.2 4	0.0217 9	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
• 693.2 3	0.260 21	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
693.2 5	1.1 4	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
693.2 5	0.6 3	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
693.2 1	0.021 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
693.2 3	$\dagger 59$ 11	^{234}Ac (44 s)	1847($\dagger 100$), 1912($\dagger 91$), 688.5($\dagger 87$)
• 693.2 5	3.0×10^{-8} 1	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
693.3 6	0.006 3	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
693.3	2.55 18	^{230}Fr (19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
693.33 6	2.58 18	^{207}At (1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
693.39 6	0.88	^{154}Pm (1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
693.4 2	0.54 9	^{119}Ag (2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
693.4	0.008	^{135}Ce (17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
693.4 5	0.14 7	^{140}Cs (63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
• 693.46 8	8.7×10^{-6} 4	^{169}Yb (32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
693.5 4	0.063 18	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
693.5 1	$\dagger 24$ 3	^{123}La (17 s)	92.5($\dagger 100$), 937.3($\dagger 43$), 153.6($\dagger 43$)
693.5 4	0.0150 16	^{171}Er (7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
693.5 7	0.22 3	^{205}At (26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
693.53 16	0.088 13	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
• 693.55 20	0.0237 22	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
693.60 10	$\dagger 5.2$ 4	^{142}Xe (1.22 s)	571.83($\dagger 100$), 657.05($\dagger 79$), 538.24($\dagger 77$)
693.60 20	0.14 3	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
693.6 3	0.24 8	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 693.62 8	$\dagger 3.68 \times 10^4$ 15	^{241}Am (432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
693.7 1	1.00 12	^{142}Tb (597 ms)	515.0(25), 465.0(2.7), 853.1(2.42)
• 693.79 2	24.3 17	^{254}Es (39.3 h)	648.80(28.4), 688.68(12.3), 584.32(2.84)
693.8	0.23	^{44}Ar (11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
693.8 2	1.29 18	^{123}Cs (5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
693.8 4	6 3	^{139}Eu (17.9 s)	267.3(31), 155.3(31), 190.1(25)
693.8 3	0.49 3	^{159}Eu (18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
693.8 15	$\dagger 4.1$	^{256}Es (7.6 h)	861.8($\dagger 100$), 231.1($\dagger 61$), 172.6($\dagger 49$)
• 693.81 8	0.204 11	^{206}Po (8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
• 693.815 7	2.0×10^{-8}	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
693.9 2	0.36 6	^{101}Zr (2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
693.9 1	$\dagger 6.0$ 6	^{104}Nb (0.92 s)	192.2($\dagger 100$), 368.4($\dagger 20$), 620.2($\dagger 19.2$)
693.9 2	$\dagger 4.6$ 3	^{196}Ir (1.40 h)	393.346($\dagger 105.2$), 521.175($\dagger 104$), 447.1($\dagger 102.1$)
• 693.99 8	0.46 3	^{252}Es (471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
• 694.0 2	0.55 10	^{144}Pm (363 d)	696.510(99), 618.01(98.6), 476.8(42.0)
694.0 3	3.1 3	^{151}Ho (35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
694.084 35	0.0116 6	^{165}Dy (2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
694.1	100	^{67}Co (0.42 s)	
694.1 8	$\dagger 0.8$ 3	^{152}Tb (17.5 h)	344.281($\dagger 1500$), 586.294($\dagger 223$), 271.135($\dagger 203$)
694.20 10	2.0	^{111}Pd (5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
694.2 1	0.61 3	^{228}Fr (39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
694.201 10	0.004 3	^{200}Au (48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 694.201 10	0.035 17	^{200}Tl (26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
694.3 5	$\dagger 11$ 3	^{85}As (2.028 s)	1111.5($\dagger 100$), 3749.4($\dagger 23$), 461.5($\dagger 20$)
694.30 15	0.070 18	^{101}Tc (14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
694.33 18	0.44 5	^{101}Sr (118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
694.33 4	3.75 22	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
694.39 14	0.42 4	^{162}Yb (18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
694.4 12	2.3 10	^{32}Na (13.2 ms)	885.4(60), 2151.3(32), 239.5(16.6)
694.4 3	13 3	^{114}Rh (1.85 s)	332.9(56), 361.9(20), 783.0(5.6)
694.4 3	11.2 20	^{114}Rh (1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
694.4 7	$\dagger 0.18$ 6	^{120}I (81.0 m)	560.44($\dagger 137$), 1523.0($\dagger 21.1$), 640.85($\dagger 17.1$)
694.4 7	0.56 20	^{120}I (53 m)	560.44(100), 601.11(87), 614.62(67)
694.4 10	43	^{147}Tb (1.7 h)	1152.4(100), 139.9(27.46), 119.7(6.1)
• 694.4 4	2.1×10^{-5} 5	^{153}Sm (46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
694.4 2	$\dagger 12.0$ 15	^{159}Yb (1.58 m)	166.16($\dagger 500$), 177.12($\dagger 159$), 390.20($\dagger 113$)
694.426 20	>0.012	^{173}Hf (23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
694.46 9	>0.012	^{173}Hf (23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
694.5 3	0.09 3	^{119}Te (16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
694.5	0.13	^{149}Ho (21.1 s)	1090.7(74.8), 1073.2(6.37), 1583.6(4.48)
694.5 5	0.06 3	^{163}Tb (19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
694.5 6	0.004 3	^{167}Yb (17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
694.5		^{175}Ta (10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
694.5 3	0.015 3	^{251}Fm (5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
694.54	0.0033 7	^{42}K (12.360 h)	1524.70(18), 312.6(0.336), 899.43(0.0515)
694.6 1	0.18 7	^{157}Er (18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
694.6 3	0.00054 9	^{223}Fr (21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
694.61 20	0.16	^{137}I (24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
694.62 14	0.029 7	^{131}La (59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
694.64 30	0.24 3	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
694.65 15	0.064 14	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
694.66 29	0.19 3	^{94}Y (18.7 m)	918.74(56), 1138.88(6.0), 550.88(4.9)
694.66 14	3.0 3	^{112}Ag (3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
694.66 14	0.011 7	^{112}In (14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
694.68 27	0.88 5	^{99}Nb (2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
694.7 4	0.13 3	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
694.7 3	0.7 3	^{152}Ho (49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
694.7 2	$\dagger 97$ 2	^{154}Lu (1.12 s)	821.3($\dagger 100$), 433.6($\dagger 83$), 96.6($\dagger 12$)
694.7 3	0.21 3	^{177}W (135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
694.7 3	$\dagger 1.90$ 24	^{189}Hg (7.6 m)	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
694.8 3	$\dagger 2.7$ 9	^{131}Ce (10.3 m)	169.42($\dagger 100$), 414.25($\dagger 68$), 119.18($\dagger 44$)
694.8	1.0	^{194}Tl (32.8 m)	636.5(99), 428.0(99), 748.9(76)
694.8 1	5.5 3	^{200}Po (11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
694.89 5	0.185 8	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
694.9 6	0.0011 7	^{141}La (3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
694.916 4	16.7 11	^{78}As (90.7 m)	613.725(54), 1308.59(13.0), 828.189(8.1)
694.916 4	0.058 8	^{78}Br (6.46 m)	613.725(14), 884.861(0.068), 1923.15(0.0490)
695.0		^{100}Zr (7.1 s)	504.25(31), 400.48(19.2), 498.0(0.72)
• 695.0 10	0.12	^{124}I (4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
695.0 2	$\dagger 4.6$ 4	^{136}Pm (107 s)	373.8($\dagger 100$), 602.7($\dagger 38.4$), 857.2($\dagger 23.4$)
695.0 2	10.1 6	^{136}Pm (107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
695	$\dagger 15$	^{163}Lu (238 s)	163.08($\dagger 100$), 54.00($\dagger 88$), 396.34($\dagger 63$)
695.0 2	1.3 4	^{169}Ho (4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
• 695.03 2	100	^{126}Sb (12.46 d)	666.331(100), 414.81(83.3), 720.64(53.8)
695.03 2	82 4	^{126}Sb (19.15 m)	414.81(86), 666.331(86), 1035.07(1.80)
• 695.03 2	0.00023	^{126}I (13.11 d)	666.331(33.1), 753.819(4.16), 1420.17(0.295)
695.1 2	1.4 2	^{117}Xe (61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
695.1 1	4.5 11	^{129}Sn (6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 695.1 3	0.025 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 695.136 9	0.0090 9	^{76}As (26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
695.138 22	0.211 13	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
• 695.17 9	0.0028 6	^{193}Os (30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
695.2 5	$\dagger 3.8$	^{154}Nd (25.9 s)	151.703($\dagger 800$), 799.55($\dagger 600$), 180.693($\dagger 510$)
695.2 3	0.092 14	^{162}Tm (21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
695.23 4	0.0042	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
695.24 27	0.080 16	^{164}Yb (75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
695.249 26	0.068 10	^{159}Ho (33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
695.3 5	0.013 4	^{137}Pr (1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
695.3 3	$\dagger 3.0$ 12	^{155}Nd (8.9 s)	180.574($\dagger 100$), 418.99($\dagger 75$), 955.08($\dagger 50$)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
695.4 3	0.34 4	⁹⁶ Sr(1.07 s)	122.297(76.50), 809.401(71.9), 931.7(11.8)
695.4 5	>0.35	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
695.4 2	0.062 8	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
695.4	0.15	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
695.4 5	†0.19 2	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
695.4 3	†56 4	¹⁹⁵ Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
• 695.43 15	0.035 6	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
695.5 5	0.04 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
695.5 5	0.38 7	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
695.5 3	1.08 9	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
695.5 2	0.53 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
695.5 10	†1.56×10 ³ 15	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
695.51 9	0.20 4	¹⁴⁰ Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
695.60 9	7.2 6	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
695.6 3	†3.4	¹⁰² Tc(4.35 m)	475.070(†115), 628.05(†35.3), 631.28(†21.3)
• 695.6 3	2.9 4	¹⁰² Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
695.6 10	0.017 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
695.6 1	†243 36	¹⁹⁶ Tl(1.41 h)	426.0(†540), 635.5(†304), 610.5(†30)
• 695.62 8	0.52 4	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
695.62 10	9.5 8	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
695.7 5	0.037 18	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
695.76 10	0.075 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
695.8 3	†25.2 19	⁹⁴ Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
695.8 5	1.27 8	¹¹⁷ I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
695.8 4	0.06 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
695.81 12	0.130 15	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 695.88 6	2.988 12	¹²⁹ Te(33.6 d)	729.57(0.70), 556.65(0.118), 817.04(0.091)
695.9 2	0.49 3	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
695.9	1.35 8	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
695.9 8	0.23 7	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
695.9 3	0.236 24	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
695.93 6	0.100 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 696.0 4	0.0009 7	⁵⁷ Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
696 1	1.7	⁷⁰ As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
696.0 3	0.189 25	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
696 1	0.08 4	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
696.0 3	†4 2	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
696.00 14	0.59 9	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
696.0 7	0.9 3	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
696.0 8	†31 4	¹⁹⁵ Pb(15 m)	883.1(†100), 393.7(†42), 871.0(†36)
696.01 10	>0.0028	¹³⁹ Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 255.11(0.236)
696.1 3	0.10 5	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
696.1 3	0.37 12	¹²⁷ In(3.66 s)	252.3(38), 3074(2.85), 948.4(2.73)
696.1 2	0.64 4	²³⁵ Th(7.1 m)	417.0(2), 727.2(0.87), 644.9(0.56)
696.19 2	0.179 14	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
696.2 5	†3.1 10	¹¹³ I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
696.2 3	0.38 8	¹³⁹ Nd(29.7 m)	405.12(7), 1074.2(2.5), 669.0(1.52)
696.2 4	0.13 7	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
696.2 3	0.20 4	²³⁷ Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
696.24 10	1.79 12	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
696.25 7	0.292 9	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
696.264 21	0.171 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
696.3 6	0.09 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
696.3 6	0.03 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
696.3 2	0.19 4	²³⁶ Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
• 696.34 30	0.022 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
696.35 17	0.48 7	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 696.490 20	0.145 4	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
696.5	>0.0047	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
696.5		¹⁰⁷ Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
696.5 3	1.37 11	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
696.5 2	0.60 13	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
696.5 3	0.06 3	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
696.510 5	1.3	¹⁴⁴ Pr(17.28 m)	2185.662(0.694), 1489.160(0.278), 1387.9(0.00672)
696.510 5		¹⁴⁴ Pr(7.2 m)	1631.4(†2.8), 618.01(†1.5), 1885.0(†0.9)
• 696.510 5	99	¹⁴⁴ Pm(363 d)	618.01(98.6), 476.8(42.0), 778.5(1.51)
• 696.575 12	0.0090 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
696.6 2	0.033 13	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
696.6 5	0.28 10	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
696.6 6	†10	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
• 696.60 5	†5.34×10 ⁴ 17	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
• 696.6		²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
696.7 8	0.012 3	¹⁰⁷ Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
• 696.7 3	29 7	¹²⁶ Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
696.7 7	†2.2 6	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
696.72 9	0.61 10	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
696.74 17	0.14 3	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
696.79 32		¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
696.8 2	15.5 5	¹²⁰ In(47.3 s)	1171.3(100), 1023.1(97.4), 197.3(80.6)
696.8 1	86 5	¹³² Sb(2.79 m)	973.9(99), 989.6(14.9), 103.4(13.9)
696.8 1	100 10	¹³² Sb(4.10 m)	973.9(100), 150.6(66), 103.4(35)
696.8 4	0.08 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
696.86 15	0.068 3	⁸² Rb(1.273 m)	776.517(13), 1395.139(0.471), 698.374(0.133)
696.9 4	0.11 3	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
696.9 3	0.18 4	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
696.9 3	†1.33 24	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
696.94 4	0.071 8	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
697.0 10	0.05 3	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
697.0 4	0.171 18	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
697.0 5	0.41 21	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
697	†114 7	¹⁷⁷ Ir(30 s)	183.6(†1010), 148.3(†929), 75.6(†>900)
697.1 6	0.004 3	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
697.19 6	0.384 20	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
697.25 6	†2.48 17	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
697.27 7	0.344 24	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
697.3 3	6.1 6	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
697.3 3	1.7 8	¹¹⁴ Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
697.30 5		¹⁶⁸ Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
697.30 5	0.5 5	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
• 697.300 16	6.13 11	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
697.31 9	0.109 11	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
697.35 10	2.58 8	¹⁶² Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
697.36	0.16	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
697.43 10	0.17	⁹⁸ Nb(2.86 s)	787.374(13), 1023.73(6.1), 1432.22(3.4)
697.43 10	0.280 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
697.47 5	0.49 4	¹¹⁹ In(2.4 m)	763.14(99), 23.870(16.0), 1214.86(0.46)
697.49 8	†8.4 6	¹⁰² Tc(4.35 m)	475.070(†115), 628.05(†35.3), 631.28(†21.3)
• 697.49 8	43.9 20	¹⁰² Rh(2.9 y)	475.070(95), 631.28(55.9), 766.84(33.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
697.5 3	0.093 20	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
697.5 2	1.36 19	¹³⁵ Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
697.5 9	0.24 14	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
697.5 4	†5.0	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
697.5 1	2.4 4	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
697.6 1	0.43 4	⁶¹ Zn(89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
697.6 4	0.022 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
697.6 15	0.0028 14	¹⁵⁷ Dy(8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
697.6 2	†4.6 3	²⁰¹ Po(8.9 m)	967.4(†100.0), 964.3(†85), 411.9(†33.0)
697.61 7	4.09 18	¹⁴⁸ Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
697.61 7	40 4	¹⁴⁸ Pr(2.0 m)	301.702(95), 450.58(50), 1556.7(4.9)
• 697.62 3	0.140 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
697.68 7	0.0523 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
697.68 3	0.94 6	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
697.68 3	4.0 9	¹³² La(24.3 m)	464.55(22), 663.07(11.6), 285.6(7)
697.7 3	0.15 10	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
697.70 20	0.089 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
697.7 4	0.063 24	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
697.7 5	0.10 3	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
697.73 3	4.4 4	¹³⁰ Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
• 697.769 14	7.4×10^{-8} 15	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
697.8 2	30	¹²⁰ Ag(1.23 s)	505.9(71), 817.1(11), 1323.1(9)
697.8 2	†51	¹²⁰ Ag(0.32 s)	505.9(†51), 925.8(†36), 830.0(†15)
• 697.8	0.035 8	²⁴⁰ Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
697.9	1.3	¹⁴⁴ Tb(4.25 s)	743.0(12), 1001.6(7), 959.36(4.7)
697.90 25	0.055 23	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
697.94 12	1.38 8	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
698.0 2	0.18	⁸⁵ Y(2.68 h)	231.67(84), 504.45(60), 913.93(9.0)
698.0 2	1.30 5	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
698 1	1.6 5	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
698.0	5.5 6	¹⁴⁵ Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
698 1	0.064 15	¹⁹³ Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
698.0 4	†2.7 4	¹⁹⁸ Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
• 698.06 15	0.064 6	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
698.1 4	0.049 8	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
698.10 10	2.2 3	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
698.1 1	0.94 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
698.2 4	0.25 3	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
698.2 2	†11.8 9	¹¹⁴ Cs(0.57 s)	449.7(†100), 618.3(†5.0), 758.2(†3.0)
698.2	†5.0	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
698.27 5	0.116 7	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
698.33 23	0.079 5	²⁰⁷ Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
698.36 4	0.214 21	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 698.374 5	28.49 25	⁸² Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
698.374 5	0.0340 8	⁸² Br(6.13 m)	776.517(0.26), 1474.88(0.0198), 1180.266(0.00394)
698.374 5	0.133 4	⁸² Rb(1.273 m)	776.517(13), 1395.139(0.471), 1474.88(0.079)
698.374 5	26.3 7	⁸² Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
• 698.44 2	0.0197 8	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
698.5 3	†12 3	¹¹² Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
• 698.5 5	3.62 7	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
698.5 3	2.3 5	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
698.5 5	0.09 5	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
698.5 6	0.012	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
698.52 11	0.47 4	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
698.54 5	0.229 5	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
698.57 10	0.334 25	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
698.578 25	0.88 5	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
698.59 9	0.14 1	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
698.6 3	0.28 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
• 698.6 4	0.022 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
698.62 5	0.063 7	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
698.69 3	1.68 8	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
698.72 11	0.0312 16	¹³⁷ Ce(9.0 h)	447.15(1.8), 10.6(0.8), 436.59(0.265)
698.73 20	†35	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
698.8 3	†0.29 5	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
698.8	0.400 23	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
698.8 1	0.38 5	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
698.8 2	†100	¹⁵¹ Yb(1.6 s)	1050.2(†100), 1245.6(†100), 624.8(†100)
698.8 10	0.25 5	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 698.843 16	1.29 5	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
698.87 10	0.229 17	¹⁰³ Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
698.9 2	0.016 4	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
698.9 3	0.087 17	⁸³ Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
698.9 3	0.062 19	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
698.9 4	0.11 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
699.0 5	0.040 20	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
699		¹¹⁵ Ag(18.0 s)	229.08(†100), 131.52(†77), 388.9(†52)
699.0 6	†0.5 1	¹³⁸ Pm(3.24 m)	520.9(†100), 729.0(†37.8), 493.1(†21.6)
699.0 2	0.189 18	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
• 699.0 8	0.019 6	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
699.0 5	0.25 11	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
699.0 3	13.4 6	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 870.4(11.2)
699.0 3	†3.0 9	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
699.0 10	†7.9×10 ² 16	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
699.03 5	3.60 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
699.03 5		²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
699.08 15	0.038 6	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
699.1 2	0.72 6	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
699.2 3	0.101 20	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
699.27 4	0.0718 22	¹⁵² Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
699.27 4	†2.5 9	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
699.4 5	0.013 7	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
699.4 2	0.139 15	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
699.4 2	0.32 4	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
699.5 5	0.09 3	⁹⁶ Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
699.5	6	¹⁰³ In(65 s)	187.97(55), 720.32(13.9), 739.95(10.1)
699.5 2	0.192 12	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
• 699.5 3	0.006 4	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
699.50 15	0.153 13	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
699.5 4	0.0025 13	¹⁹⁴ Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
699.58 16	11	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 1213.17(7)
699.58 16	7.8 9	¹¹⁶ Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
699.58 8	0.24 4	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
699.58 7	0.243 20	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
699.6 4	0.023 6	⁸⁹ Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
699.6 3	0.084 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 699.6 5	7.9×10 ⁻⁸ 16	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
699.7 2	0.0179 14	⁹⁶ Y(5.34 s)	1750.42(2.350), 2225.93(0.322), 475.33(0.188)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
699.7 3	†12.9 6	¹⁷⁰ Ho(43 s)	812.3(†100.0), 1894.5(†45.2), 78.6(†40)
699.78 4	0.09 3	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
699.8 1	9.1 3	⁷³ Br(3.4 m)	64.9(37.0), 336.0(10.4), 125.6(7.55)
699.85 6	10.1 5	¹¹⁹ Te(16.03 h)	644.01(84), 1749.65(3.95), 1413.19(1.09)
• 699.89 13	0.00083 22	¹⁴⁰ Ba(12.752 d)	537.261(24.39), 29.9640(14.1), 162.660(6.21)
699.9 2	1.26 15	¹⁵⁶ Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
699.9 4	4.2 15	¹⁸¹ Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
699.90 17	0.13 4	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
699.9 2		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
699.96 5	0.219 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
700.0 5	0.0498 22	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
700.0 3	0.2	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
700.0 3	0.65	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 700	0.006	²⁴⁹ Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
700.07 16	0.042 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
700.1 2	8.7 17	¹⁵² Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
700.1 2	†9 4	¹⁸¹ Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
700.1 2	0.19 3	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
700.1 2	2.9 3	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 700.15 20	0.0206 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
700.3 6	0.064 16	¹¹² Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
700.3 3	0.0109 19	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
700.32 10	1.80 7	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 700.33 8	0.46 5	¹¹⁹ Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
700.38 15	0.027 6	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
700.4 10	0.24 12	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
700.5 3	3.0 8	¹⁴⁵ Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
700.5 1	0.44 9	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 700.5 5	3.2×10^{-6}	²²⁸ Th(1.9131 y)	84.373(1.266), 215.985(0.263), 131.613(0.1355)
700.51 24	0.23 4	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
700.54 4	0.025 4	¹⁹⁴ Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 700.54 4	0.06 3	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
700.6 3	0.58 5	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
700.6 1	†194 18	¹⁰⁰ Rh(4.6 m)	539.59(†5900), 687.0(†3500), 1827.2(†1410)
700.6 3	0.10 5	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
700.6 1	†2.71 16	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
700.6	0.27	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
700.6 1	7.1 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
700.6	1.9	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
700.6 2	1.15 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
700.6 5	†61 14	¹⁹⁰ Bi(6.3 s)	773.8(†100), 455.0(†94), 506.2(†92)
700.62 2	0.77 6	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
700.66 13	†1.3 2	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
700.66 3	98	²⁰⁶ At(30.0 m)	477.10(86), 395.54(48), 733.73(10.2)
700.7	0.129 14	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
700.7	>0.013	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 700.80 20	0.0314 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
700.856 16	0.29 3	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
700.88 12	0.38 13	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
700.9 3	0.30 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
700.93 8	0.002	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
701.00 20	0.019 5	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
701.0 2	0.28	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
701.0	0.5	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
701.0 5	0.47 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
701.0 7	0.20 12	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
701.0 2	0.250 25	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
701.0 8	1.9 8	¹⁹⁶ Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
701.0 2	0.467 20	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
701.0 5	0.14 7	²³⁷ Pa(8.7 m)	853.6(34), 865.1(15.5), 529.26(14.9)
• 701.01 3	5.12×10^{-7} 16	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 701.04 24	0.058 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
701.1 5	0.32 11	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
701.1 3	0.21 8	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
701.10 16	0.0013 3	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
701.1		¹³¹ Sn(56.0 s)	3267.5, 2470.5, 2039.25
701.1		¹³¹ Sn(58.4 s)	367.40, 285.0, 62.9
701.1	†1.8	¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
701.1 3	0.57	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 701.1 6	0.008 4	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
701.12 10	4.2 4	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
701.14 12	1.14 7	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
701.15 9	0.057 6	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
701.2 4	6.3 12	¹³⁹ Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
701.2 6	0.49 6	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
701.2	1.0	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
• 701.25 8	<0.0006	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
701.3 2	1.46 12	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
• 701.3 2	0.36 4	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
701.4 5	†0.56 11	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
701.4 3	0.51 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
701.4 2	0.012 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
701.487 6	0.77 11	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
701.487 16	0.18 3	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
701.49 12	0.061 13	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
701.5 5	4.1	⁸⁷ Se(5.85 s)	242.5(37), 334.0(35), 573.2(19)
• 701.5 4	2.6×10^{-5} 6	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
• 701.5 3	0.0062 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
701.53 12	0.053 19	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
701.53 10	1.02 8	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
701.579 7	0.008 4	²⁰⁰ Au(48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 701.579 7	1.29 10	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
701.6 5	0.6	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
701.6 3	$\dagger 7.08 \times 10^3$ 17	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
701.69 9	0.50 6	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
701.7 3	4.6×10^{-5} 8	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 701.7 3	0.0248 9	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
701.7 2	0.79 18	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
701.7 3	0.07 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
701.748 15	0.178 11	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
701.748 15	0.08 3	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
701.79 7	0.43	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
701.8 1	2.1 5	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
701.80 13	0.38 4	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
701.8 2	†2.4 2	¹²⁰ Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
701.87 8	1.0 3	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
701.9 2	0.0031 3	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 701.9 5	0.019 10	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
701.92 28	0.99 11	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
701.96 9	0.07	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
702.0 2	†75	⁷⁹ Zn(995 ms)	866.3(†100), 874.3(†31)
702.0 6	0.17 4	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
702.0 10	0.17 4	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
702 1	0.044 25	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
702.0 10	0.083 22	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
702.0	0.40 4	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
702.0 5	†4.1 20	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
702.0 6	0.15 7	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
702.0 1	0.54 5	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
702.0 2	0.08 3	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
702.1 3	0.70 8	⁶⁸ As(151.6 s)	1015.96(78), 761.61(33.8), 651.12(32.1)
702.1 2	0.41 7	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 702.11 20	0.020 4	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
702.14 9	1.01 4	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
702.2 6	0.25 8	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
• 702.20 10	4.4 8	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
702.2	1.2	¹⁹⁴ Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
702.28 6	6.43 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 666.07(6.18)
702.28 6	12	¹⁴⁶ La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
702.28 10	0.512 13	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
702.32 12	0.44 3	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
702.37 11	0.122 20	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
702.4	0.07	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
702.4 3	0.017 6	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
702.4		¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
702.40 15	0.31 6	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
702.4 3	0.157 19	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 702.5 3	0.033 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 702.50 7	0.511 25	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
702.58 23	0.0917 14	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
702.6 5	0.08 4	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
702.6 4	0.16 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
702.6 7	0.09 5	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
702.6 2	0.30 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
702.6 4	†1.05 24	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 702.62 10	0.05 4	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 702.626 19	97.9 20	⁹⁴ Nb(2.03×10 ⁴ y)	871.082(100)
702.626 19	0.00315 20	⁹⁴ Nb(6.263 m)	871.082(0.50), 993.18(0.00075)
702.626 19	99.6 18	⁹⁴ Tc(293 m)	871.082(100), 849.74(95.7), 916.10(7.6)
702.66 25	0.104 17	⁹¹ Rb(58.4 s)	93.628(33.7), 2564.19(12.5), 3599.67(10.4)
702.7 2	0.080 8	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
702.7 3	0.24 3	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
702.7 2	1.4	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
702.7 3	0.008 6	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
702.7 4	†3	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
702.8 10	0.00029 18	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
702.8 3	†2.5	¹⁴⁹ Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
702.8 4	0.022 9	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
702.8 4	0.20 6	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
702.8 1	†1.50 15	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
702.84 18	0.60 15	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
702.84 18	0.30 15	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
702.85 12	0.783 21	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
702.9 4	1.8 5	¹²⁰ In(46.2 s)	1171.3(96), 1023.1(55), 863.7(32.5)
702.91 4	2.43 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
702.92 17	0.084 13	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
703	0.34 5	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
703.0 4	2.6 17	¹⁵² Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
703.0 2	†405 67	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
703.0 7	0.50 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
703.0 7	0.253 22	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 703.06 8	0.136 14	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 703.10 10	3.4 8	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 703.110 15	0.0106 9	⁶⁷ Ga(3.2612 d)	93.311(39.2), 184.577(21.2), 300.219(16.80)
703.11 7	4.4 4	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 703.11 7	4.47 18	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
703.11 4	0.367 14	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
703.16 73	0.050 14	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
703.23 7	0.0677 23	¹⁵² Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
• 703.23 7	0.0017 13	¹⁵² Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
• 703.23 7	0.0035 8	¹⁵² Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
703.23 7	†40 6	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
703.23 7	†19 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
703.3 2	0.36 5	¹⁰⁰ Zr(7.1 s)	504.25(31), 400.48(19.2), 498.0(0.72)
703.3 3	0.17 8	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
703.30 5	0.95 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
• 703.33 10	0.122 14	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
703.34 10	15.4 4	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
• 703.38 18	0.025 9	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
703.4 12	0.037 13	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
703.4 5	0.020 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 703.4 6	0.0035 14	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 703.44 8	0.0064 4	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
• 703.44 3	31	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 987.62(0.585), 1043.72(1.291)
703.46 8	0.300 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 703.47 23		²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
703.48 10	0.0027	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
703.5 2	0.39 7	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
703.5 2	†2.1	⁹⁶ Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
703.5 3	7.8 11	¹⁰⁴ Sn(20.8 s)	132.7(56), 912.6(42), 401.2(16.2)
703.5 1	0.64 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
703.5 5	>0.35	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 703.54 5	0.41 4	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
703.56 10	0.143 25	⁸² Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
703.58 17	0.057 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
703.6 3	0.46 10	⁹² Rb(4.492 s)	814.98(33), 2820.6(6.2), 569.8(5.6)
703.6 5	†>0.23	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
• 703.66 19	0.0178 25	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 703.678 5	3.95×10^{-6} 2	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
703.7 3	0.0007 4	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
703.7 3	†3.3 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
703.7 6	0.011	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
703.75 10	3.79 11	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
703.76 5	1.01 5	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
703.8 2	0.66 8	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
703.8 3	1.42 19	^{120}In (3.08 s)	1171.3(19), 2039.8(1.86), 2390.2(1.14)
703.8 3	0.149 10	^{120}Sb (15.89 m)	1171.3(1.7), 988.6(0.063)
703.8 3	0.17 3	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
703.8 3	0.092 23	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 703.85 15	0.0762 22	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
703.9 2	0.19 3	^{80}Br (17.68 m)	616.6(7), 639.6(0.261), 1256.3(0.074)
703.9 2	1.88 20	^{80}Rb (34 s)	616.6(25), 639.6(1.50), 1256.3(0.57)
703.9 1	2.13 12	^{94}Sr (75.3 s)	1427.7(94), 723.8(2.40), 621.7(1.96)
703.9 7	0.105 23	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
703.9 5	1.9 4	^{120}I (53 m)	560.44(100), 601.11(87), 614.62(67)
• 703.9 7	>0.7	^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
703.9 3	0.24 6	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
703.9 3	†3.3 6	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
703.9 7	0.79 12	^{201}Bi (108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 703.98 12	0.0053 9	^{192}Ir (73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
704.0 6	>0.07	^{109}In (4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
• 704.0 6	0.011 5	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
704.0 2	0.54 3	^{235}Th (7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
704.03 15	0.187 21	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 704.056 18	0.0159 18	^{77}Br (57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
704.06 15	0.34 5	^{128}In (0.84 s)	1168.80(40), 935.20(6.5), 1089.53(6.0)
704.06 15	1.0 1	^{128}In (0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
704.07 10	0.0034 16	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
704.1		^{86}As (0.9 s)	
704.2 5	0.049 20	^{114}Sb (3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
704.2 3	0.44 8	^{141}Sm (22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
704.2 3	†3 1	^{185}Pt (33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
• 704.24 8	0.338 23	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
704.3 10	3.7 18	^{33}Na (8.2 ms)	546.5(6.4), 1242.6(4.2), 484.9(2.2)
• 704.3 5	†0.0050 12	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 704.34 3	0.133 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 704.4 3	0.019 5	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
704.4 3	0.34 5	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
704.4 3	0.18 3	^{198}Tl (5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
704.46 15	†2.0 4	^{189}Hg (7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
704.49 21	0.56 6	^{186}Au (10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
704.5 5	8.5 9	^{84}Y (40 m)	793.3(99), 974.6(75), 1040.2(56)
704.5 1	0.14 2	^{107}Tc (21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
• 704.5 2	>0.7	^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
704.5 2	0.39	^{147}Tb (1.83 m)	1397.0(79), 1797.1(14), 1643.0(1.2)
704.5 6	0.19 7	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
704.6 2	0.0018 9	^{52}V (3.75 m)	1434.068(100), 1333.649(0.588), 1530.67(0.116)
704.6 2	†0.030 9	^{52}Mn (21.1 m)	1434.068(†101.7), 1727.53(†0.224), 1530.67(†0.0478)
704.6 3	2.6 3	^{118}Ag (2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
704.64 3	0.462 10	^{211}Pb (36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
704.67 9	6.0 6	^{206}At (30.0 m)	700.66(98), 477.10(86), 395.54(48)
704.7 3	0.099 18	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
704.7	0.28	^{133}Pr (6.5 m)	134.3(14), 74.0(10), 315.6(10)
704.7 1	†2.7 2	^{160}Lu (36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
704.7 3	†27 5	^{171}Ho (53 s)	903.3(†100), 198.6(†88), 279.2(†60)
• 704.73 5	0.068 9	^{205}Bi (15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
704.8 6	1.2	^{101}Cd (1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
704.8	0.27 3	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
704.82 25	0.076 17	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
704.87 94	0.09 4	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
704.9 1	0.88 25	^{142}Gd (70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
• 704.9 2	1.70 5	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
704.90 11	4.8 3	^{154}Tb (21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
704.9		^{165}Dy (1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
704.9 5	0.14	^{203}Bi (11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
704.9 5	0.042 10	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
705.0 1	1.3 3	^{169}Ho (4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
705.0 10	1.34 19	^{196}Tl (1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
705.05 20		^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
705.08 11		^{166}Lu (2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
705.08 11	4.4 4	^{166}Lu (1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
• 705.1 3	0.0025 16	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 705.19 24	8.0×10^{-5} 2	^{115}Cd (53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
705.2 3	0.022 4	^{208}Tl (3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
705.24 8	0.1067 22	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
705.3 5	0.09 5	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 705.333 20	0.0131 5	^{166}Ho (26.83 h)	80.574(6.71), 1379.40(0.93), 1581.89(0.187)
• 705.333 20	0.018 11	^{166}Ho (1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
705.333 20	10.96 23	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
705.4 4	4.18 15	^{144}La (40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
705.47 12	0.125 12	^{90}Kr (32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
705.5 2	0.037 19	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
705.5 1	0.033 4	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
705.50 11	0.199 24	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
705.50 20	0.26 3	^{209}Rn (28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 705.52 7	0.0051 5	^{129}Te (33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
705.6 5	0.22 7	^{202}Bi (1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
705.70 30	0.169 25	^{116}In (54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
705.7 2	†16 2	^{191}Pb (2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
705.72 12	0.42 7	^{183}Au (42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
705.8 2	0.012 4	^{171}Er (7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
705.8 3	0.90 19	^{186}Ir (16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
705.82 15	2.4	^{116}Ag (2.68 m)	513.39(76), 2478.5(12), 699.58(11)
705.82 15	61 3	^{116}Ag (10.4 s)	513.39(92), 1028.90(30.4), 708.80(20)
705.83 12	0.30 4	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
705.85 12	0.084 9	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
705.87 22	0.021 6	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
705.9 1	2.27 10	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
705.9 1	$\dagger 4.0 \times 10^3$ 5	^{234}Pa (1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 705.9 1	0.153 9	^{234}Np (4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 705.9 1	5.3×10^{-8} 20	^{238}Pu (87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.00937)
• 705.91 18	0.017 4	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
705.93 4		^{151}Tb (25 s)	379.39(5.9), 830.81(3.10), 522.77(1.43)
705.94 3	4.24 20	^{66}Ge (2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
706.0 2	0.058 7	^{79}Rb (22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
706.0 2	†0.51 5	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
706.0 1	0.024 5	^{141}Pm (20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
706.0 1	0.336 18	^{147}Pr (13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
706.0 4	†4.6 14	^{155}Nd (8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
706.05 10	0.74 7	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
706.05 14	1.54 10	^{187}Au (8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
706.07 10	6.2 5	^{81}Ge (7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
706.07 10	0.8 5	^{81}Ge (7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
706.1 2	†7	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
706.1 3	†1.8 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
706.1 9	†1.7 7	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 706.16 14	0.038 7	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
706.2 3	0.36 9	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
706.2 5	1.2	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
706.2 2	1.41 18	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
• 706.2 4	1.6×10^{-5} 4	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
706.2 2	†2.0 8	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
706.3 2	0.18 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
706.3 1	57 3	¹³⁴ Sb(10.43 s)	1279.1(100), 297.0(97), 115.2(49)
706.30 12	0.63 10	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
706.3 2	0.025 3	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
706.40 20	0.237 11	⁵⁷ Mn(87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
• 706.40 20	0.0253 5	⁵⁷ Co(271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
706.4 7	0.020	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
706.4 2	0.044 7	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
• 706.50 45	0.074 7	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
706.5 1	1.79 12	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
706.51 12	0.24 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
706.55 18	0.25 4	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
• 706.55 10		¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
706.578 13	1.51 4	¹³³ I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
706.6 7	0.95 7	⁵¹ Sc(12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
706.6 6	0.95 19	¹¹⁶ Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
706.6 4	1.6 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
706.63 2	0.42 4	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
706.648 15	1.180 25	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
706.65 10	0.83 6	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
• 706.682 3	16.33 9	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
706.682 3	0.13	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
706.7 1	†2.17 22	¹²³ La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
706.7 3		¹⁴⁷ La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
706.71 14	0.56 8	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
706.74 6	0.98 5	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
706.8 2	†6	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
706.84 11	1.58 20	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
706.9 1	0.50 3	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
707.0 10	0.009 5	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
707.0 2	0.00159 20	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
707.0 3	0.036 9	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
707.00 10	2.00 20	¹²⁴ In(3.17 s)	1131.64(68), 3214.15(21.5), 997.79(21.1)
707.0 4	0.24 7	¹²⁵ Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
707.0 3	0.18 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
707.0 10	1.00 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
707.0 10	0.36 10	²²² Fr(14.2 m)	206.15(51), 111.12(12.5), 242.12(1.89)
707.0 10	0.00006 2	²²⁶ Th(30.9 m)	111.12(3.29), 242.12(0.866), 131.02(0.278)
707.0 5	0.030	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
707.01 20	0.50 3	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
707.05 6	38.0 15	⁹⁰ Br(1.92 s)	1362.32(11.2), 655.17(7.7), 1233.21(4.18)
707.08 14	†0.91 11	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
• 707.1 2	0.065 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
707.1 2	0.96 19	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
• 707.10 15	0.134 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
707.2 3	†1.9 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 707.2 7	†0.0025 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
707.29 6	0.0028	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
707.3 2	†0.54 8	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
707.4 2	†12.1 6	³² Ar(98 ms)	1168.4(†32.8), 461.09(†12.1), 1078.5(†12.0)
707.4 6	0.032 17	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
707.40 2	29.5 10	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
707.406 21	0.160 16	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
707.406 21	0.31 6	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
707.41 6	0.40 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
707.42 9	0.084 10	¹¹⁴ Ag(4.6 s)	558.454(20.40), 576.08(1.77), 1301.234(1.31)
707.46 9	0.046 7	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
707.47 12	0.194 19	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
707.5 5	0.066 20	¹⁰⁰ Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
• 707.5 5	0.07 3	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
707.5 2	0.32 14	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 707.5 2	2.7×10^{-6} 3	²³³ U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 707.52 20	0.0119 24	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
707.6 4	0.37 15	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
707.6 5	0.25 12	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 707.6 2	0.010 5	¹⁶⁰ Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
707.6 2	†1.45 23	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
707.6 2	0.68 11	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
707.63 14	0.234 23	⁸⁰ Ga(1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
707.67 9	0.22 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
707.67 15	14.0 9	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
707.68 3	4.6 16	¹⁰⁰ Nb(2.99 s)	535.60(97.0), 600.5(65.0), 1280.6(23.8)
707.7 5	0.13 5	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
707.7 10	0.32 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
707.7 4	0.0033 18	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
• 707.78 3	0.346 21	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
707.8 8	0.064 17	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
707.8 3	0.29 3	¹⁸⁴ Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
707.81 5	11.4 8	¹⁰⁸ Tc(5.17 s)	242.25(82), 465.6(14.3), 1583.5(9.8)
707.9 2	0.053 14	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
707.92 4	0.66 3	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
707.949 12	0.0100 4	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
707.98 20	0.27 5	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
708.00 10	0.62 10	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
708.0 2	0.63 11	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
708		¹⁵⁸ Ho(21.3 m)	406.14(†100), 838.9(†84.3), 1484.1(†66.2)
708.0	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
708.0 6	0.012	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
708.03 25	0.15 4	¹²⁶ In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
708.03 25	0.70 20	¹²⁶ In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
708.06 6	26.4 11	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
708.09 20	0.078 22	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
708.1 2	6.7 9	¹⁴⁰ Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
708.1 6	†357 71	¹⁷⁷ Re(14 m)	196.85(†1200), 79.65(†1010), 84.3(†890)
• 708.130 20	0.273 19	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
708.130 20	1.6	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
708.13 40	0.033 10	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
708.18 17	0.14 3	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 708.195 5	0.268 6	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
708.2		⁷⁰ Cu(4.5 s)	884.9(54), 1876(2.2), 1654.1
708.2		⁷⁰ Cu(47 s)	884.9(100), 901.7(87), 1251.7(57)
708.2 1	†3.9 5	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
708.2 4	0.09 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
708.3 4	3.5	¹¹³ Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
708.3 3	0.0015 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
708.3 2	0.023 8	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
708.3 2	†>7×10 ⁰²	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 708.3 2	0.052 6	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 708.3 2	4.1×10 ⁻⁷ 7	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
708.3 2	0.52 3	²³⁵ Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
708.35 30	>0.05	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
708.35 5	†5.0	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
708.4	0.11	⁹⁵ Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
708.4 6	†3 2	¹¹⁴ Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
708.40 30	0.6	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
708.4 5	0.83 16	¹³⁵ Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
708.4 2	†3.9 8	¹⁵³ Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
708.4 2	†93 7	¹⁷⁴ Er(3.3 m)	100.4(†100), 766.9(†92), 151.8(†91)
708.5 1	†34 19	¹⁷¹ Ho(53 s)	903.3(†100), 198.6(†88), 279.2(†60)
708.5 3		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
708.6 7	0.10 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
708.6 1	†2.9×10 ³ 3	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
708.6		¹⁵⁷ Lu(5.0 s)	967.5, 949.8, 880.5
708.7 6	0.198 24	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
708.7 4	0.19 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
708.7 6	0.013 4	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
708.75 19	1.00 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
708.75 9	0.77 4	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
708.80 30	20	¹¹⁶ Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
708.82 7	1.15 12	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
708.82 7	1.4 4	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
708.83 19	0.035 7	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
708.9 3		¹¹⁴ I(2.1 s)	682.6
709.0 5	0.9	¹¹³ Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
709		¹¹⁵ I(1.3 m)	460, 284, 275
709.0 5	0.66 22	¹¹⁹ Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
709.0 5	1.2 4	¹¹⁹ Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
709.0 4	0.22 7	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
709.0 3	0.141 22	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
709.01 6	0.29 7	³⁰ S(1.178 s)	677.28(78.4), 2342.01(2.27), 3019.23(0.010)
709.1 3	4.5 11	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
• 709.1 4	0.0150 24	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
709.1 3	†2.0 5	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
709.1 6	†1.1 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
709.1 3	0.59	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 709.1 3	0.073 11	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
709.1 7	0.28 3	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 709.133 17	0.82 3	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
709.17 7	5.2 4	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
709.17 4	1.43 24	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
709.2 8	†63 21	¹⁹ N(0.27 s)	96.0(†100), 3137.8(†76)
• 709.25 6	0.137 11	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
709.30 11	0.00107 18	¹³⁷ Ce(9.0 h)	447.15(1.8), 10.6(0.8), 436.59(0.265)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
709.3	0.009 7	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
709.3 2	†1.8 4	^{192}Bi (37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
• 709.320 13	1.350 20	^{124}Sb (60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 709.320 13	0.042 18	^{124}I (4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
709.42 15	0.151 12	^{141}Cs (24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
• 709.45 5	†6.41×10 ⁴ 13	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
709.5 5	0.075 6	^{107}Rh (21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
• 709.59 5	0.0086 13	^{143}Ce (33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
709.6 3		^{22}O (2.25 s)	71.6(†100), 1874.2(†8)
709.6 3	0.21 3	^{88}Nb (7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
709.6 3	19.5 12	^{104}Cd (57.7 m)	83.7(47), 559.1(6.3), 66.8(2.40)
709.6 3	0.085 17	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
709.6 3	†6.4 13	^{187}Hg (1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
709.67 20	0.11 3	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
709.7 3	0.064 15	^{95}Rb (377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
709.71 10	0.28	^{137}I (24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
709.78 10	2.1 3	^{184}Pt (17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
709.79 12	0.40 3	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
709.8 2	0.126 13	^{111}Pd (23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
709.8 3	1.5 3	^{126}Ba (100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
709.8 3	0.48 24	^{147}La (4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
709.8 3	0.49 7	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
709.87 8	0.127 9	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
709.90 10	2.62 7	^{86}Y (14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
709.9 1	0.09 9	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 709.90 3	0.876 7	^{156}Eu (15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
709.95 5	5.4 4	^{93}Rb (5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
709.95 5	2500	^{94}Rb (2.702 s)	432.61(†9000), 213.429(†6000), 986.05(†4100)
• 709.98 9	0.0021 5	^{193}Os (30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
709.99 15	3.6 3	^{162}Tm (24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
710.0 4	0.07 3	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
710 10	0.125 24	^{201}Bi (108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
710.05 20	0.78 6	^{89}Kr (3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
• 710.1		^{185}Os (93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
• 710.1 3	0.223 10	^{232}Pa (1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
710.1 3	0.57 10	^{232}Np (14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
710.12 18	1.6 4	^{72}Br (78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)
710.2 3	1.2 3	^{104}In (1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
710.3 2	0.087 6	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
710.312 17	21.4 11	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
710.35 8	1.43 24	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
710.35 15	0.0012	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
• 710.358 15	3.11×10 ⁻⁵ 21	^{169}Yb (32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
710.4 2	0.33	^{104}Mo (60 s)	68.8(55), 69.7(17.8), 36.3(14)
710.4 1	0.72 17	^{133}Te (55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
710.40 18	0.196 6	^{139}Xe (39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
710.4 2	0.0031 7	^{141}La (3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
710.4 2	†15 3	^{155}Nd (8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
710.5 3	7	^{87}Se (5.85 s)	242.5(37), 334.0(35), 573.2(19)
710.50 8	5	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
710.5 6	0.38 5	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 710.6 6	0.0294 6	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
710.6	0.12	^{185}Ir (14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
710.7 2	0.57 9	^{94}Rb (2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
710.70 20	†11 4	¹⁰⁶ Nb(1.02 s)	171.548(†100), 350.70(†39), 714.00(†30)
710.7 4	0.42 9	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
710.7	0.06	¹³² Sn(39.7 s)	340.53(49), 85.58(48.2), 899.04(44.8)
710.8 4	5.1 14	¹⁰⁰ Nb(2.99 s)	535.60(97.0), 600.5(65.0), 1280.6(23.8)
710.8 1	0.011 2	²¹³ Bi(45.59 m)	440.46(26.1), 292.80(0.429), 807.36(0.292)
710.8 2	0.072 23	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 710.8 5		²³³ U(1.592×10 ⁵ y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
710.81 11	0.095 9	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
710.9 2	†16 8	¹⁹⁴ Bi(106 s)	1308.3(†100), 671.8(†55), 965.4(†41)
• 710.9 4	0.0022 9	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
711.0 5	0.5 1	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
711.0 7	0.064 21	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
711.0 4	0.18 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
711.0	1.3	¹⁹⁴ Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
711.0 1	2.6 7	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
711.0 1	13.6 13	²³⁰ Fr(19.1 s)	129.1(11.0), 728.4(7.3), 677.4(6.7)
711.11 10	0.054 13	⁹³ Ru(59.7 s)	680.68(6), 1434.73(0.73), 1015.90(0.42)
711.15 10	0.80 5	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
711.18 3	17.6 8	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 936.62(9.6)
711.18 3	†100 11	⁸² Ga(0.602 s)	216.47(†41), 530.22(†14)
711.20 7	0.00176 8	⁸² Br(6.13 m)	776.517(0.26), 698.374(0.0340), 1474.88(0.0198)
711.20 7	0.051 3	⁸² Rb(1.273 m)	776.517(13), 1395.139(0.471), 698.374(0.133)
711.2 4	†6.0 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
711.2 5	0.26 5	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
711.2 4	0.41 8	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 711.2 7	0.0036 10	²²³ Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
711.23 12	0.096 9	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
711.3 2	0.00123 10	¹⁶³ Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
711.4 2	0.45 7	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
711.4 3	0.017	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
711.42 7	0.49 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 711.43 8	0.106 7	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
711.48 27	0.09 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
711.5 1	0.113 13	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
711.5 3	0.103 23	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
711.5 1	0.155 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 711.6 3	0.0066 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
711.61 5	0.178 20	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
• 711.65 15	0.0717 22	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
711.66 8	†3.1 3	⁸³ Ge(1.85 s)	306.51(†100.0), 1193.77(†20.5), 1525.50(†13.6)
• 711.683 8	55.32 22	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 280.459(29.77)
711.69 7	0.0371 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
• 711.763 13	0.27 4	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
711.90 6	1.38 5	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
711.9 4	0.5	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
711.9 1	0.124 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
711.9 3	0.64 19	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
712.0 10	†33 10	¹⁰⁶ Sn(115 s)	386.8(†100), 477.5(†62), 253.30(†57)
712 1	3.5	¹²⁵ Cs(45 m)	526(24), 111.8(9), 412(5)
712.0 1	†2.88 12	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 712.0 5		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 712.0 1	0.095 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
712.00 20	1.20 7	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
712.0 5	0.20 7	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
712	>0.034	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
712.1 6	0.65 14	¹⁷⁶ Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
• 712.1 2	0.0154 24	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
712.1 4	0.07 3	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
712.1	†93 6	²⁰² Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
712.11 10	3.1 3	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
712.15 12	0.53 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
712.2 2	†46 3	¹⁹¹ Pb(2.18 m)	387.1(†100), 613.5(†40), 936.8(†37)
712.205 15	4.4 3	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
712.205 15	0.131 12	¹⁵⁰ Eu(12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
• 712.205 15	1.08 3	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
712.26 11	0.33 8	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
712.3 1	0.042 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
712.3 4	0.18 4	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
712.30 10	1.30 9	²⁵⁰ Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
712.35 4	0.830 16	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
712.35 9	0.030 5	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
712.36 12	0.27 7	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
712.39 15	0.22 3	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
712.4 6	0.26 4	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
712.41 5	0.70 11	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
712.46 12	†4.5 4	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
712.49 7	1.24 9	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
712.49 7	0.046 4	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
712.5 5	0.21 5	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
712.5 3	0.47 5	¹¹⁸ I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
712.53 5	45.1 23	⁸⁰ Zn(0.545 s)	715.40(33.8), 964.93(15.6), 685.60(15.3)
712.59 3	0.070 5	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 712.59 6	0.023 4	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 712.598 5	0.325 6	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
712.6 5	0.19 6	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
712.6 3	0.42 5	¹⁵³ Tm(1.48 s)	299.3(6), 765.5(1.92), 965.3(0.82)
712.6	†45	¹⁶³ Ta(10.6 s)	396.0(†100), 451.1(†70), 448.7(†60)
712.6 4	0.23 12	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
712.64 6	0.8 3	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
712.64 6	3.8 3	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 712.647 20	1.133 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
712.7 4	†12.4 19	¹³⁷ Te(2.49 s)	243.3(†100), 554.0(†34), 469.1(†21)
712.70 10	†1.98 11	²⁰⁰ Bi(31 m)	1026.5(†110), 462.34(†45.7), 419.70(†26.0)
712.71 5	0.56 17	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
712.71 5	1.00 13	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
712.75 7	1.02 14	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
712.8 4	0.70 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
712.8	0.8	¹⁴⁴ Tb(4.25 s)	743.0(12), 1001.6(7), 959.36(4.7)
712.8 9	†0.18 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
712.8 4	0.08 4	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
712.8 2	0.60 18	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 712.817 22	0.30 9	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
712.817 22	0.414 8	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
712.82 17	†13.5 15	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 712.847 6	0.0959 21	¹⁵² Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
712.847 6	†2.9 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
712.89 19	†4.2 8	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
712.9 2	†17 5	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 712.96 5	5.2×10^{-8} 6	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
712.97 5	4.6 3	^{134}Te (41.8 m)	767.20(29.0), 210.465(22.3), 277.951(20.9)
713	\dagger 0.27	^{120}I (81.0 m)	560.44(\dagger 137), 1523.0(\dagger 21.1), 640.85(\dagger 17.1)
713.0 4	\dagger 6.0 7	^{193}Tl (21.6 m)	324.37(\dagger 100), 1044.7(\dagger 59), 676.10(\dagger 48)
713.02 10	3.4 3	^{101}Mo (14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 713.10 4	1.87 20	^{131}Te (30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
713.17 14	\dagger 100 14	^{189}Au (28.7 m)	812.68(\dagger 63), 447.65(\dagger 55), 348.14(\dagger 43)
713.2 2	0.059 17	^{119}Te (16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
713.20 15	0.115 23	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
713.2 7	0.7 3	^{162}Tm (24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
713.224 17	0.0085 4	^{145}Pr (5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
713.25 15	0.014 14	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
713.3 4	0.055 10	^{93}Kr (1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
713.3 2	0.055 4	^{137}Pr (1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
713.3		^{157}Lu (5.0 s)	967.5, 949.8, 880.5
713.31 5	0.0060 15	^{155}Sm (22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
713.32 13	\dagger >1.1	^{27}Na (301 ms)	984.64(\dagger 114), 1697.94(\dagger 15.5), 3109.2(\dagger >3.4)
713.37 12	0.50 6	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
713.37 15	0.59 7	^{205}Po (1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
713.4 4	0.27 5	^{77}Rb (3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
713.4	0.23	^{83}Zr (44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
713.4 2	7.5 8	^{120}In (46.2 s)	1171.3(96), 1023.1(55), 863.7(32.5)
713.4 2	\dagger 33 2	^{135}Pm (49 s)	198.5(\dagger 100), 207.2(\dagger 70), 463.5(\dagger 62)
• 713.4 5	0.009 3	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
713.41 6	0.448 22	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 713.48 5	0.235 12	^{145}Eu (5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
713.5	\dagger 2	^{107}Mo (3.5 s)	400.3(\dagger 100), 65.7(\dagger >92), 384.4(\dagger 57.6)
713.5 8	0.012 12	^{127}Ba (12.7 m)	180.8(12), 114.8(9.3), 66.06(2.12)
713.5 3	\dagger 0.31 5	^{129}Ba (2.17 h)	182.30(\dagger 100), 1459.1(\dagger 50.0), 202.38(\dagger 33.7)
713.5 5	\dagger 0.12 2	^{188}Au (8.84 m)	265.63(\dagger 100), 340.04(\dagger 23.9), 605.5(\dagger 16.3)
713.57 6	0.592 25	^{146}La (6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
713.58 31	0.13 4	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
713.6 4	0.151 20	^{99}Nb (2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
713.6 2	0.010 4	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 713.6 5		^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 713.6 3	0.00023 3	^{153}Sm (46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
• 713.6 5	0.016 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
713.6 2	1.25 19	^{196}Tl (1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
713.7 1	0.144 21	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
713.7 1		^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
713.77 22	\dagger 4.6 7	^{181}Pt (51 s)	289.29(\dagger 100), 111.97(\dagger 100), 230.15(\dagger 92)
• 713.781 5	2.27 3	^{124}Sb (60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 713.781 5	0.109 12	^{124}I (4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
713.8 3	0.37 7	^{98}Rb (114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
713.8 5	0.6 3	^{105}Tc (7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
713.825 19	9.15 19	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
713.9 10		^{199}Bi (27 m)	560.1(22.0), 424.85(22), 841.7(11)
713.9 10	0.11 2	^{208}Rn (24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
713.92 7	0.189 18	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
714.0 2	1.6 9	^{103}Zr (1.3 s)	248(100), 164.05(94), 126.30(84)
714.00 20	\dagger 30 5	^{106}Nb (1.02 s)	171.548(\dagger 100), 350.70(\dagger 39), 725.10(\dagger 17)
714.0 1	0.11 2	^{107}Tc (21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
714.00 25	0.46 14	^{123}Cd (2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
714.0 4	0.28 7	^{157}Tm (3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
714.0 5	0.18 5	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
714.00 6	0.10 3	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
714.04 10	0.076 7	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
714.04 10	0.63 9	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
714.09 7	0.19 1	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
714.09 7	0.0039	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
714.1 3	†2.1 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
714.1 2	0.35 4	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
714.1 8	0.8 4	¹⁹⁶ Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
714.3 2	0.56 5	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
714.3 4	0.39 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
714.3 5	0.024 12	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
714.3 2	2.8 5	²³² Ac(119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
714.31 5	0.070 21	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
714.35 3	7.17 16	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
714.39 15	0.62 6	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
714.4 2	0.0173 23	⁹³ Y(10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
714.4 4	0.041 14	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
714.4 2	†56 6	¹⁷⁴ Er(3.3 m)	100.4(†100), 708.4(†93), 766.9(†92)
714.410 9	0.279 19	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
• 714.45 25	0.0017 13	¹⁷² Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
• 714.563 8	7.9×10^{-8} 8	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 714.57 15	0.322 21	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
714.583 3	1.84 4	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
714.61 9	0.27 4	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
714.69 21	0.162 16	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
714.7 5	†2.4 9	¹¹² Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
714.7 3	†1.83 20	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
• 714.769 13	0.045 5	¹⁴⁸ Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
• 714.769 13	1.72 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
714.8 6	0.019 14	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
714.8 3	0.052 9	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
714.9 3	0.044 15	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
• 714.90 10	0.0085 19	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
714.9 4	†6.2 9	¹¹³ Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
714.90 6	0.082 5	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
714.9 4	0.52 9	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
714.94 5		¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
714.94 5	0.78 22	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
715.00 20	0.64 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
715.0 1	0.17 3	¹⁴⁰ Eu(1.51 s)	530.7(29), 1068.0(3.2), 459.9(3.19)
715.0	0.61 4	¹⁵² Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
715	†1.5	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 715.04 20	0.0061 11	⁷⁹ Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
715.07 12	1.1 1	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
715.1 2	0.170 17	⁷⁹ As(9.01 m)	95.73(0.85), 364.9(1.06), 432.1(0.850)
• 715.1 5		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
715.1 4	0.123 20	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
715.15 10	0.33 4	²⁰⁵ Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
715.17 3	0.22 4	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
• 715.17 3	0.0071 24	⁷⁴ As(17.77 d)	595.847(59), 608.353(0.552), 1204.208(0.285)
715.2 5	0.6 1	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
715.2 2	0.0066 16	¹³⁷ Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)
715.3 2	0.26 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
715.3 10	0.044 20	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
715.32 12	†9	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
715.328 20	0.534 11	¹⁶⁵ Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
• 715.34 10	0.102 5	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
715.40 5	33.8 18	⁸⁰ Zn(0.545 s)	712.53(45.1), 964.93(15.6), 685.60(15.3)
715.4 3	1.47 15	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
715.4 3	6.4 18	¹⁵⁰ Tm(2.2 s)	1578.9(91), 474.5(86), 207.6(82)
715.5 10	†1.1 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
715.5 10	0.42 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
715.5 2	0.056 19	¹⁹⁵ Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
715.5 4	0.24 3	²³¹ Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
715.57 5	0.69 4	¹⁰¹ Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
715.6 3	0.28 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
715.61	1.3 4	⁴⁸ K(6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)
715.7	†4.1 12	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
715.7 2	0.064 8	¹⁴⁶ Pr(24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
715.7 2	0.049 13	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 715.78 6	0.86 5	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
• 715.817 9	0.189 9	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
715.817 9	0.57 8	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
715.817 9	0.82 9	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
715.90 20	0.0100 4	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
715.90 20	0.00072 8	¹⁰⁶ Ag(23.96 m)	511.842(17.0), 621.94(0.316), 873.48(0.199)
715.9	†13 1	¹⁵² Tm(8.0 s)	807.9(†100), 672.5(†9.5), 906.8(†6)
715.9 4	0.47 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
715.99 5	0.267 15	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
716 1	0.040 20	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
716.0 6	0.68 23	¹¹⁷ Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
716.00 15	0.86 16	¹²⁵ Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
716.0 3	†341 24	¹⁴⁵ Gd(85 s)	329.9(†1329), 386.6(†1220)
716.09 8	0.0037 4	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
716.2 5	0.26 6	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
716.2 2	3.4 11	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
716.2 2	0.071 6	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
716.3 3	†0.26 3	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
716.3 10	0.27 5	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
716.4 3	0.33 14	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
716.40 7	0.78 5	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
716.4 3	†1.62 24	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
716.4	†6.7	¹⁹³ Pb(5.8 m)	365.2(†100), 392.2(†20.7), 735.8(†5.1)
716.43 7	0.20 4	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
• 716.45 5	0.0077 5	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
716.5 3	0.35 17	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
716.5 4	0.09 4	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
716.5 2	0.031 8	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
716.55 14	0.6 3	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
716.6 1	†70.63 21	⁹⁵ Pd(13.3 s)	1350.9(†105), 381.8(†50.8), 913.2(†13.6)
• 716.60 16	>0.00023	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
716.6 5	0.94 15	¹⁴⁰ Pm(9.2 s)	773.74(5.0), 477.1(2.6), 1204.8(1.9)
716.6 2	†6.3 5	¹⁶⁸ Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
716.7 3	0.98 7	¹³⁶ I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
716.7 10	0.130 20	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
716.77 7	0.050 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
716.79 23	0.008 3	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
716.8 5	0.29 15	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
716.8 4	0.22 4	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
716.8 1	0.4 3	²⁰⁸ Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
716.9 5	0.051 12	⁹³ Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
716.9 5	0.07 2	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
716.9 6	†6.5 10	²⁰⁶ Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
716.9 4	0.056	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
716.92 10	0.028 7	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
716.96 22	0.162 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 716.96 5	0.031 3	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 716.99 10	0.087 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
717.0 2	3.14 22	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
717.05 7		¹⁶⁸ Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
717.05 7	0.3 3	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
717.1 3	0.17 3	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
717.14 19	†11.0 15	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
717.16 12	0.29 4	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
717.2 10	0.07 3	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
717.2	†122 8	²⁰² Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
717.24 6	0.0065 4	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
717.24 6	28.9 15	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 450.97(24.2)
717.24 6	0.00117 15	¹⁰⁶ Ag(23.96 m)	511.842(17.0), 621.94(0.316), 873.48(0.199)
• 717.24 6	28.9 8	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 450.97(28.2)
717.24 5	0.252 10	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
717.30 10	4.6 3	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
717.3 10	†1.3	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 717.35 3	0.311 6	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
717.4		¹⁸⁰ Os(21.5 m)	20.1(†100), 667.0, 48.2
717.42 3	0.171 15	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 717.424 12	3.94 4	¹⁸⁵ Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
717.43 22	0.56 11	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
717.45 8	0.06	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
717.5 3	0.28 6	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
717.5 1	0.186 16	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
717.60 20	0.454 19	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
717.60 15	0.144 16	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
717.64 10	1.73 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
717.7 4	7.1 3	⁵¹ Sc(12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
717.7 4	0.13 4	¹²⁶ In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
717.7 4	0.64 20	¹²⁶ In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
717.7 3	0.040 12	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
• 717.72 8	4.05 23	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
717.8 2	0.11 5	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
717.8	1.2	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
717.85 8	0.340 25	¹⁰³ Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
• 717.87 5	0.00031 3	⁸⁵ Sr(64.84 d)	514.0067(96), 868.5(0.0120), 151.159(0.0012)
717.90 6	0.0135 11	¹²⁵ Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
717.9 3	†1.41 16	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
718		⁹² Br(0.343 s)	769(†100), 1446(†10), 1035(†6)
718.0 5	0.05 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
718.0 5	†10 5	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
718	†0.04 1	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
718.10 15	15.0 17	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
718.1 3	0.14 5	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 718.178 7	0.04 3	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
718.2 1	2.75 16	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
718.2 4	†0.71 24	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
718.2 1	†2.30 23	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
718.2 6	3.1 5	¹⁹¹ Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
• 718.234 9	2.8×10^{-6} 2	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
718.3	98.53 2	¹⁰ C(19.255 s)	1021.7(1.465)
718.33 12	1.47 20	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
718.38 5	0.91 6	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
718.4 3	0.081 11	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
718.40 20	0.168 17	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
718.4 3	0.032 16	¹¹³ Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
718.43 4	0.049 5	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
718.48 15	0.019 4	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
718.48 15	0.250 13	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
718.499 11	0.293 10	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
718.5 2	0.171 15	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
718.5 3	0.015 6	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
• 718.5 4	2.1×10^{-5} 5	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
• 718.5 10	†0.0019 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 718.5 3	0.0084 8	²⁴⁹ Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
• 718.62 14	0.047 5	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
718.7 20	0.43 4	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
718.7 2	0.22 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
718.709 28	0.0120 8	¹³⁴ La(6.45 m)	604.699(5.05), 1554.934(0.414), 563.227(0.359)
718.8 5	0.030 19	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
718.8 2	†4.5 5	¹⁶⁸ Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
718.82 3	0.405 17	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
718.9 2	0.18 6	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
718.9 2	0.010 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
718.9 2	0.83 22	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
718.97 2	4.36 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
719.00 9	3.37 17	⁹⁷ Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
719.0 4	20 3	¹³⁹ Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
719.0	0.36	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
• 719.0 5	0.011 3	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
719.0 3	0.085 24	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
719.0 2	†13.8 4	²⁰³ At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
719.01 7	†26 3	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 719.01 7	0.122 7	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
719.1	0.8	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
719.1 2	†3	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
719.1 1	0.432 24	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
719.15 8	0.073 12	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
719.17 23	0.22 3	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
719.2 2	0.5 1	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
719.2 1	0.031 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
719.20 11	0.105 10	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
719.30 4	31	²⁰⁵ At(26.2 m)	669.41(8.6), 628.88(5.6), 520.44(4.41)
• 719.353 6	0.267 10	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 719.353 6	0.058 8	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
719.40 10	58 6	¹⁰² Ag(12.9 m)	556.52(91), 1744.99(17.3), 1581.54(13.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
719.40 10	4.5 5	^{102}Ag (7.7 m)	556.52(48), 1834.7(9.8), 2054.4(6.6)
719.44 14	0.0038 8	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
719.46 10	0.060 7	^{87}Br (55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
719.46 17	0.091 9	^{97}Nb (72.1 m)	658.08(98), 1024.49(1.09), 1268.68(0.148)
719.5 5	0.14	^{157}Er (18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
719.5 3	0.0039 12	^{167}Yb (17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
719.5 5	0.40	^{203}Bi (11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
719.53 4	0.173 6	^{131}La (59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
719.550 5	0.14 3	^{168}Ho (2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 719.550 5	0.20 3	^{168}Tm (93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
• 719.55 15	0.022 7	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
719.562 14	6.85 9	^{96}Nb (23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 719.562 14	0.20 5	^{96}Tc (4.28 d)	778.224(100), 849.929(98), 812.581(82)
719.562 14	0.296 15	^{96}Tc (51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
719.58 20	1.22 4	^{99}Rh (4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
• 719.58 8	0.0174 21	^{165}Tm (30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
719.6 3	0.35 3	^{118}I (13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
719.6	>0.06	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
719.6 3	0.052 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
719.6	0.65 5	^{208}Fr (59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
719.6 3	0.073 9	^{209}At (5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
• 719.64 5	0.273 14	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
719.7 7	65	^{117}Te (62 m)	1716.4(15.9), 2300.0(11.2), 1090.7(6.9)
• 719.70 8	0.048 14	^{206}Po (8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
719.71 2	8.9 5	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
719.8 6	0.07 3	^{139}Xe (39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
719.8	1.4	^{194}Tl (32.8 m)	636.5(99), 428.0(99), 748.9(76)
719.81 19	0.212 18	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
719.86 3	0.42 6	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
719.9 1	0.23 3	^{101}Tc (14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
719.9 1	0.105 10	^{145}Gd (23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
719.9 1	†0.8 1	^{160}Lu (36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
719.9 4	0.13 4	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
719.9 1	0.21 3	^{236}Th (37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
719.93 10	0.00367 25	^{107}Cd (6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
• 719.979 25	0.208 19	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
720.0 5	†1.7 8	^{193}Tl (21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
• 720		^{243}Cm (29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
720.1 3	0.34 8	^{121}Cs (122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
720.1 3	0.15 3	^{162}Tm (21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
720.1 5	0.024 24	^{175}Ta (10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
720.13 5	0.120 22	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
720.2 1	0.019 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
720.22 17	0.154 12	^{45}Ti (184.8 m)	1408.6(0.085), 1662.4(0.041), 425.1(0.0137)
• 720.236 8	0.04 3	^{200}Tl (26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
720.24 6	6.5 3	^{199}Pb (90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
720.3 2	1.56 8	^{97}Rb (169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
720.3 5	0.12 6	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
720.3	0.030 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
720.30 15	1.27 9	^{187}Au (8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
720.3 5	1.34 7	^{199}Bi (27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 720.3 5	2.9×10^{-8}	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
720.32 27	13.9 5	^{103}In (65 s)	187.97(55), 739.95(10.1), 201.80(9.5)
720.392 5	0.77 4	^{168}Ho (2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 720.392 5	12	$^{168}\text{Tm}(93.1 \text{ d})$	198.241(52.39), 815.990(48.99), 447.515(23.05)
720.4 6	0.013 2	$^{107}\text{Rh}(21.7 \text{ m})$	302.77(66), 392.47(8.8), 312.21(4.8)
720.4 1	0.54 10	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
720.4 4	0.11 4	$^{139}\text{Sm}(2.57 \text{ m})$	273.7(37), 306.7(28.5), 596.3(8.0)
720.4	4.6 4	$^{150}\text{Pr}(6.19 \text{ s})$	130.2(32), 722.5(7.0), 852.7(6.1)
720.4 5	0.16 3	$^{159}\text{Eu}(18.1 \text{ m})$	67.8(19), 78.6(9.1), 95.7(7.0)
720.4 5	0.24 5	$^{237}\text{Am}(73.0 \text{ m})$	280.23(47.3), 438.4(8.3), 473.5(4.3)
720.5 2	†20 4	$^{185}\text{Pt}(33.0 \text{ m})$	229.60(†100), 135.3(†80), 197.4(†74)
720.5	†20 4	$^{185}\text{Pt}(33.0 \text{ m})$	229.60(†100), 135.3(†80), 197.4(†74)
720.55 5	3.9 4	$^{106}\text{Tc}(35.6 \text{ s})$	270.07(56), 2239.30(13.6), 1969.40(8.9)
720.6 8	0.46 19	$^{135}\text{Pr}(24 \text{ m})$	296.12(24), 82.64(13.7), 213.45(13.0)
720.6 4	†100 10	$^{182}\text{Lu}(2.0 \text{ m})$	818.4(†100), 808.1(†50), 97.79(†50)
• 720.64 4	53.8 24	$^{126}\text{Sb}(12.46 \text{ d})$	695.03(100), 666.331(100), 414.81(83.3)
• 720.65 4	0.143 9	$^{205}\text{Bi}(15.31 \text{ d})$	1764.36(1.368), 703.44(31), 987.62(0.585)
720.70 9	0.54 4	$^{90}\text{Rb}(258 \text{ s})$	831.69(94), 1375.36(16.7), 3317.00(14.4)
720.70 9	0.0095 8	$^{90}\text{Rb}(158 \text{ s})$	831.69(28), 1060.70(6.69), 4365.90(5.6)
720.7 2	17.9 10	$^{119}\text{Cd}(2.20 \text{ m})$	1025.0(24.8), 2021.3(22.6), 1203.7(13.4)
720.7 4	0.18 7	$^{139}\text{Sm}(2.57 \text{ m})$	273.7(37), 306.7(28.5), 596.3(8.0)
720.8	0.61 23	$^{148}\text{Ba}(0.607 \text{ s})$	56.08(29.20), 133.53(3.88), 415.78(3.59)
• 720.8 5	0.0009 5	$^{195}\text{Hg}(41.6 \text{ h})$	261.75(30.9), 560.27(7), 387.87(2.15)
720.8 1	0.82 7	$^{200}\text{Po}(11.5 \text{ m})$	671.0(34.0), 617.7(19.7), 434.4(9.3)
720.8 8	0.0011 3	$^{205}\text{Hg}(5.2 \text{ m})$	203.750(2.2), 415.70(0.0130), 1218.96(0.0062)
720.81 3	3.54 11	$^{81}\text{Sr}(22.3 \text{ m})$	153.54(33.8), 147.76(30.1), 443.34(17.5)
721.0 10	0.055 15	$^{139}\text{Pm}(4.15 \text{ m})$	402.8(15), 463.1(4.1), 367.8(3.52)
721.0	0.7	$^{147}\text{Ce}(56.4 \text{ s})$	268.80(7), 92.9(4.7), 374.23(3.5)
721.0 5	0.13 7	$^{153}\text{Ho}(2.0 \text{ m})$	295.8(67), 637.0(5.36), 688.5(3.7)
721.0 3	0.13	$^{154}\text{Pm}(1.73 \text{ m})$	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
721.0 3	0.76	$^{154}\text{Pm}(2.68 \text{ m})$	184.810(32), 81.99(15.4), 546.66(14.5)
721.05 11	0.54 6	$^{71}\text{Zn}(2.45 \text{ m})$	511.56(32), 910.27(7.8), 389.88(3.8)
721.1 4	0.71 4	$^{103}\text{Cd}(7.3 \text{ m})$	1461.81(12), 1448.70(5.55), 1079.90(5.44)
721.10 5	0.216 14	$^{153}\text{Dy}(6.4 \text{ h})$	80.723(11.10), 213.754(10.90), 99.659(10.51)
721.1 7	†3.0 15	$^{164}\text{Tm}(2.0 \text{ m})$	91.40(†1500), 1154.66(†366), 768.91(†279)
721.13 2	1.01 6	$^{145}\text{Cs}(0.594 \text{ s})$	175.36(20), 198.93(10.9), 112.46(10.71)
721.14 4	6.0 5	$^{207}\text{At}(1.80 \text{ h})$	814.41(44.5), 588.33(19.2), 300.654(12.8)
721.19 4	0.284 9	$^{155}\text{Dy}(9.9 \text{ h})$	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
721.2 2	1.06 4	$^{83}\text{Y}(7.08 \text{ m})$	35.50(0.44), 882.1(6.30), 489.90(5.53)
721.2 1	0.069 3	$^{210}\text{Rn}(2.4 \text{ h})$	458.25(1.7), 648.70(0.843), 570.95(0.840)
• 721.3 2	0.059 7	$^{146}\text{Eu}(4.59 \text{ d})$	747.2(98), 633.03(43), 634.07(37)
721.3 3	0.12 6	$^{151}\text{Dy}(17.9 \text{ m})$	386.10(19.4), 49.46(18.0), 546.31(14.3)
721.4 4	0.08 3	$^{140}\text{Xe}(13.60 \text{ s})$	805.52(20), 1413.66(12.2), 1315.05(8.2)
721.4 3	0.101 13	$^{186}\text{Hg}(1.38 \text{ m})$	112.1(63), 251.5(55), 191.6(3.7)
721.41 3	9.3 4	$^{189}\text{Pt}(10.87 \text{ h})$	94.33(7.6), 568.84(7.1), 243.37(7.0)
721.43 8	4.3 3	$^{148}\text{Pr}(2.27 \text{ m})$	301.702(61), 1357.78(5.5), 1023.18(4.8)
• 721.44 8	0.090 12	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
721.46 5	†128	$^{154}\text{Nd}(25.9 \text{ s})$	151.703(†800), 799.55(†600), 180.693(†510)
721.5 2	0.8	$^{145}\text{La}(24.8 \text{ s})$	70.0(11), 355.8(3.8), 118.2(3.6)
721.5 3	0.26 4	$^{149}\text{Dy}(4.20 \text{ m})$	100.8(15.2), 789.4(11.8), 1776.3(11.1)
721.55 8	0.66 4	$^{91}\text{Kr}(8.57 \text{ s})$	108.788(43.5), 506.592(19.1), 612.87(7.7)
721.6 4	0.019 9	$^{105}\text{Cd}(55.5 \text{ m})$	961.84(4.69), 346.870(4.20), 1302.459(3.98)
721.6 3	0.53 13	$^{149}\text{Pr}(2.26 \text{ m})$	138.447(11.0), 165.087(9.9), 108.520(9.5)
721.6 3	1.18 8	$^{177}\text{W}(135 \text{ m})$	115.65(50), 426.98(13.2), 1036.4(10.3)
721.629 19	1.02 6	$^{96}\text{Nb}(23.35 \text{ h})$	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 721.629 19	0.12 5	$^{96}\text{Tc}(4.28 \text{ d})$	778.224(100), 849.929(98), 812.581(82)
721.7 3	0.85 7	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
721.7 3	0.20 10	¹⁴⁰ Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
721.8 2	0.019 6	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
721.8 1		¹⁴⁵ Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
721.84 3	0.10 4	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
721.88 8	1.62 17	¹²⁵ Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
721.90 20	0.46 6	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
• 721.929 13	5.39 4	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
721.99 17	0.050 7	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
722.0 6	0.18 7	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
722 1	0.019 12	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
722.0 20	0.020 6	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
722.0 4	†0.70 7	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
722.01 15	0.0033 5	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
• 722.01 3	†0.960×10 ⁶	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
• 722.01		²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
• 722.03 8	0.068 11	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
722.04 12	0.201 14	²⁰⁸ Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
722.09 24	†3.3 5	¹⁸⁴ Tl(11 s)	366.51(†100), 286.80(†39), 340.0(†25)
722.1 2	†0.92 21	¹⁹⁴ Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
• 722.1 6	†0.024 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
722.1 2	0.081 7	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
722.12 8	7.7 5	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
722.15 23	0.75 10	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
722.15 18	†5.6 8	¹⁸¹ Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
722.2 2	1.74 12	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
• 722.2 5	1.87 11	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
722.2 3	†33 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
722.2 5	0.0048 12	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
722.2 3	0.077 10	¹³⁸ Pr(1.45 m)	788.742(2.4), 688.2(0.82), 1551.1(0.42)
722.3 1	19 3	¹⁴⁰ Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
722.30 50	0.022 10	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
722.35 10		¹⁵⁷ Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
722.4 2	0.146 16	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
722.4 5	0.09 5	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
722.4 4	4.77 24	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
722.5 2	>0.00023	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
722.5 1	0.74 7	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
722.5 3	7.0 4	¹⁵⁰ Pr(6.19 s)	130.2(32), 852.7(6.1), 1141.26(5.3)
722.5		¹⁵⁷ Lu(5.0 s)	967.5, 949.8, 880.5
722.5		¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
722.55 5	0.69 4	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
722.59 8	0.37 10	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
722.59 8	1.1 4	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
722.6 2	0.34 7	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
722.6 1	6.2 17	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
722.6 2	0.413 24	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
722.645 14	73.8 15	⁹⁸ Nb(51.3 m)	787.374(93), 1168.830(17.8), 833.563(10.8)
722.65 5	0.039 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
722.68 8	0.272 17	⁹³ Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
• 722.7 5	0.016 5	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
722.7 1	0.35 11	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
• 722.786 4	10.76 10	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 645.855(7.38)
• 722.786 4	9.98 18	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 1509.49(2.989)
722.8 4	0.75 22	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
722.8 5	>0.16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
722.87 4	0.027	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
722.88 6	0.82 14	²³⁷ Pa(8.7 m)	853.6(34), 865.1(15.5), 529.26(14.9)
722.90 13	†11.6 4	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
722.9 2	0.29 6	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
722.9 4	0.52 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 722.911 5	1.773 25	¹³¹ I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
722.938 8	10.5 18	¹⁰⁸ Rh(6.0 m)	433.937(88), 581.1(60), 947.27(49)
• 722.938 8	90.8 18	¹⁰⁸ Ag(418 y)	433.937(90), 614.281(89.8)
723.0 5	23 8	⁸⁴ Nb(12 s)	540.0(100)
723.0 1	0.17 4	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
723.0 2	0.106 20	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
723.0 4	0.033 16	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
723.00 10	22.2 6	²⁰⁴ Au(39.8 s)	436.551(91), 1511.10(25.2), 691.80(24.0)
723.0 5	†23	²²³ Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
• 723.02 2	0.0018	¹⁷² Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 723.02 2	0.456 14	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 723.05 20	0.0197 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 723.07 5	0.028 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
723.1 4	1.19 12	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
723.1 1	0.32 11	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
723.1 3	0.114 23	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
723.10 8	0.13	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
723.2 3	0.15 7	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
723.2 2	0.070 22	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
723.2 2	0.32 5	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
723.2 8	†39 9	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
723.3 1	†2.50 25	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
• 723.304 5	20.22 9	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 1004.725(18.01)
723.304 5	0.23 8	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
723.33 6	0.75 7	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
723.4 3	16.3 7	⁹⁶ Pd(122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
723.4 6	†298 60	¹⁷⁷ Re(14 m)	196.85(†1200), 79.65(†1010), 84.3(†890)
723.4 3	0.044 22	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
723.46 8	0.100 6	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
• 723.48 5	5.418 24	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
723.5 7	0.20 4	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
723.5 2	0.28 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
723.5 7	0.25 5	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
723.569 22	18	¹¹⁵ Te(6.7 m)	770.40(34.2), 1071.70(12.9), 1504.10(10.2)
723.569 22	30	¹¹⁵ Te(5.8 m)	1380.58(23.0), 1326.83(22.7), 1098.64(16.3)
723.6 5	0.17 8	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
723.6 6	0.0162 6	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 723.6 6	†0.017 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
723.64 10	0.08 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
723.7 2	0.47 9	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
723.7	0.071 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
723.7	0.22 11	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
723.7 2	0.19 9	¹⁹⁵ Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
723.7 1	†15 7	¹⁹⁶ Tl(1.41 h)	426.0(†540), 635.5(†304), 695.6(†243)
• 723.71 4	0.152 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
723.75 2	2.05 17	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
723.8 2	0.065 7	⁷⁹ As(9.01 m)	95.73(0.85), 364.9(1.06), 432.1(0.850)
723.8 1	2.40 13	⁹⁴ Sr(75.3 s)	1427.7(94), 703.9(2.13), 621.7(1.96)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
723.8	0.106 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
723.84 6	1.803 22	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
723.9 2	†12.1 13	⁹⁴ Pd(9.0 s)	558.2(†100), 54.6(†11), 797.8(†7.1)
724.0 1	0.90 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
724 1	0.11 6	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
724.0 1	1.18 7	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
724 1	0.008	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
724.1 1	0.069 9	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
724.11 10	3.7 3	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
724.13 8	0.47 4	⁷⁹ Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
724.13 8	4.0 4	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
724.16 16	0.098 14	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
724.19 19	0.25 5	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
• 724.199 5	44.17 13	⁹⁵ Zr(64.02 d)	756.729(54), 235.69(0.294)
724.2 3	†8 3	¹³¹ Nd(27 s)	87.8(†100), 174.42(†34), 164.09(†25)
724.2 5	0.16 5	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
724.21 8	47	¹⁰⁵ Ru(4.44 h)	469.37(17.5), 676.36(15.7), 316.44(11.1)
724.26 2	1.6 6	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
724.27 7	0.12 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
724.28 7	0.21 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
724.30 3	14.9 17	⁹⁹ Y(1.470 s)	121.761(33), 536.2(6.6), 575.4(6.3)
724.3 1	0.00019 5	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
724.3 7	†1.3 6	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
724.3 3	0.80 11	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
724.3 3	0.60 8	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
724.33 3	59	¹⁴⁵ Ce(3.01 m)	62.54(13.33), 1148.03(9.15), 284.53(8.14)
724.4 2	0.062 7	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
724.4 6	0.39 19	¹³⁵ Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
724.4 3	0.0007 4	¹³⁷ Ce(9.0 h)	447.15(1.8), 10.6(0.8), 436.59(0.265)
724.4 4	0.05 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
724.5 7	0.51 11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
724.5 2	0.443 22	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
724.5 3	0.113 13	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
724.5 10	0.42 21	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
724.5 4	0.112 22	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
724.57 15	0.082 10	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
724.6	0.18	⁹⁵ Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
724.6 4	0.09 4	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
724.7 3	3.9 4	⁹⁸ Pd(17.7 m)	112.0(58), 662.2(19.7), 106.75(13.9)
724.7 2	†4.4 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
724.7 2		²³² Ac(119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
724.7 5	0.37	²³² Ac(119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
724.79 4	0.212 7	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
724.80 12	0.0471 14	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
724.8 2	0.28 3	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
724.8		¹³⁶ Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
724.8 3	>0.26	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
724.8 5	0.57 7	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
724.86 2	0.21 3	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
724.9 5	0.6 3	⁷⁴ Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
724.9 2	0.30 8	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
724.9 4	0.14 7	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
724.92 15	0.88 14	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 724.94 5	0.0727 24	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
725.0 2	0.77 11	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
725.0 4	0.087	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
725.06 8	6.24 18	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
• 725.07 7	0.328 16	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
725.1		⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
725.10 20	†17 6	¹⁰⁶ Nb(1.02 s)	171.548(†100), 350.70(†39), 714.00(†30)
725.1 3	0.20 5	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
725.1 1	12.5 8	¹⁵⁴ Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
725.123 7	5.30 23	¹⁵⁵ Pm(41.5 s)	778.156(8), 409.873(2.18), 761.631(1.5)
725.14 7	0.93 5	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
725.2 2	†1.6 4	¹³¹ Ce(5.0 m)	230.43(†100), 436.85(†7.3), 462.9(†6.9)
725.24 4	0.194 7	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
725.27 15	0.63 8	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
725.298 10	0.043 4	¹¹⁴ Ag(4.6 s)	558.454(20.40), 576.08(1.77), 1301.234(1.31)
• 725.298 10	†185 13	¹¹⁴ In(49.51 d)	558.454(†185)
725.3 9	0.29 17	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
725.3 10	0.012 6	¹¹³ Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
725.30 9	0.031 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
725.392 30	0.0140 14	¹⁶⁵ Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
725.40 20	0.78 7	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
725.5 2	0.029 5	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
725.50 20	2.02 19	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
725.5 3	0.59 3	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
725.52 15	0.11	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
725.60 15	0.40 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 725.673 9	32.7 3	¹⁴⁸ Pm(41.29 d)	550.284(94.5), 629.987(89), 1013.808(20.20)
• 725.673 9	12.7 3	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
725.69 18	1.00 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
725.7 5	1.45 24	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
725.7 2	†1.3 6	¹⁹² Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
725.74 5	0.51 3	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
725.8 2	0.23	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
725.9 2	0.084 6	⁹³ Ru(59.7 s)	680.68(6), 1434.73(0.73), 1015.90(0.42)
725.9 3	0.145 13	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
725.96 18	0.26 4	¹⁶² Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
726.0 1	0.52 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
726	>0.24	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
726.0 3	0.49 5	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
726.0 3	0.71 7	¹³⁰ Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
726.0 2	3.28 19	¹⁵² Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
726.0 2	0.40 13	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
726.09 15	0.16 7	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
726.1 3	†0.58 5	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
726.2 3	38 16	¹¹⁶ Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
726.2 5	0.09 7	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
726.2 4	†9.0 14	²³³ Pu(20.9 m)	235.4(†100), 534.8(†90.2), 500.3(†38.6)
• 726.21 2	0.082 6	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
726.22 8	0.445 24	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 726.22 8	3.78 11	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
726.27 10	†68	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
726.29 8	7.1 7	¹⁰³ In(65 s)	187.97(55), 720.32(13.9), 739.95(10.1)
726.3 1	4.1 4	¹³¹ Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
726.3 5	†0.13 2	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
726.4 2	†1.00 21	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
726.4 4	0.079 25	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
726.4 6	0.23 23	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
726.4 5	†5 1	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
726.4	†5 1	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
726.4 2	†5 1	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
726.46	3.77 12	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
726.5 3	0.65 7	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
726.5	0.08	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
726.5 3	1.6 4	¹⁸⁶ Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
726.51 20	0.51 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
• 726.56 20	0.019 4	⁷⁹ Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
• 726.6 7	>0.031	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
726.60 10	0.144 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
726.7 3	42	⁵⁹ Mn(4.6 s)	472.71(29.0), 570.81(24.8), 591.20(9.4)
726.7 2	†0.53 21	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
726.71 23	0.15 9	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
726.80 10	0.111 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
726.8 3	1.21 20	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
726.8 4	0.84 12	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
726.83 10	0.09 3	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
726.863 15	0.64 8	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
726.863 15	0.50	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
726.87 11	†3.9 3	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
726.978 20	0.131 16	¹⁸² Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
727.0 6	0.8 4	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
727.00 2	0.468 7	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
727.0 3	2.2 6	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
727 1	0.04 3	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
727.0	0.013	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 727.0 3	0.0068 14	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 727.010 10	0.0185 14	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
727.010 10	0.67 15	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
727.02 30	0.08 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
727.07 5	0.0119 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
727.096 23	0.0551 16	¹²⁵ Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
• 727.1 5	0.00710 4	⁹⁹ Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
727.1 1	0.064 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
727.1 2	0.33 7	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
727.1	0.008	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
727.1 4	†1.9 6	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
727.1 1	†4.1 4	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
727.2 3	3.2 6	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
727.2 10	0.18 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 727.20 25	0.048 5	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
727.2 2	0.87 4	²³⁵ Th(7.1 m)	417.0(2), 696.1(0.64), 644.9(0.56)
• 727.22 7	0.124 10	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
727.3 2	0.57 3	¹⁴⁶ Pr(24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
727.3 3	0.06 3	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
727.3 2	†2.81 10	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
727.31 15	0.07	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
727.330 9	6.58 5	²¹² Bi(60.55 m)	1620.50(1.49), 785.37(1.102), 1078.62(0.564)
727.330 9		²¹² Bi(25.0 m)	276.5, 120.9, 223.0
• 727.34 10	0.049 11	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
727.34 20		¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 727.34 8	0.095 5	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
727.38 14	0.038 11	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
727.4 3	0.51 10	⁹⁸ Rb(114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
727.4 3	3.9 5	⁹⁸ Rb(96 ms)	144.224(73), 289.4(68), 3010.5(23.4)
727.4 3	†18	⁹⁹ Rb(59 ms)	144.224(†900), 289.4(†270), 1079.8(†90)
727.40 2	†6.93 25	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
727.40 15	0.64 8	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
727.43 13	0.252 20	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
727.5 5	0.012 9	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
727.53 9	0.142 16	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
• 727.531 22	0.0180 8	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
727.54 13	0.056 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
727.54 10	0.54 8	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
727.6 3	4 1	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
727.6 3	0.9 2	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
727.6 1	†44 5	¹⁷¹ Ho(53 s)	903.3(†100), 198.6(†88), 279.2(†60)
727.8 4	0.27 4	¹⁰⁹ In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
727.8 8	0.050	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
727.8 2	0.113 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 727.806 14	1.24×10^{-7} 6	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
727.81 15	0.146 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 727.82 7	0.087 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
727.85 23	0.49 11	¹⁵⁷ Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
727.858 20	0.395 19	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
727.88 5	0.0163 18	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
727.9	0.06	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
727.9 2	†7.5 10	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
728.0 6	0.069 8	¹⁶² Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
• 728.031 38	0.0113 10	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
728.06 5	3.30 14	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
728.09 14	0.088 6	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
728.1 2	0.12 5	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
728.18 2	†100 3	¹⁶⁰ Ho(5.02 h)	879.383(†65.9), 962.317(†59.1), 966.171(†54.5)
728.18 2	46.9 13	¹⁶⁰ Ho(25.6 m)	879.383(26.6), 962.317(25.6), 645.40(24.7)
728.20 15	0.44 10	⁶⁷ Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
• 728.2	0.012	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
728.2	>0.0010	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
728.20 10	0.47 5	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 728.20 10	1.90 8	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
728.28 20	0.092 15	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
728.3	0.9	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
728.3 2	0.122 15	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
728.32 6	0.60 5	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
728.37 10	35.6 18	⁷⁴ Br(46 m)	634.78(91), 634.26(16.4), 1269.06(8.8)
728.38 9	0.046 4	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
728.4 4	0.12 3	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
728.4 2	1.6 4	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
728.4 3	1.3 3	¹⁴¹ Sm(10.2 m)	403.8(43), 438.8(37.7), 1292.6(6.8)
728.4 1	7.3 4	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 677.4(6.7)
728.48 9	†0.28 4	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
728.5	10	¹²⁰ I(53 m)	560.44(100), 601.11(87), 614.62(67)
728.5	0.021	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
728.5 4	0.022 6	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
728.5 5	†37 3	¹⁶⁰ Tm(9.4 m)	125.8(†100), 264.1(†27), 1368.5(†24.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
728.6 5	0.33 5	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
728.64 7	0.24 4	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
728.7 4	2.35 24	⁶⁷ Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
728.7 2		¹³⁰ Pr(40.0 s)	951.9, 499.0, 1405
728.7 4	1.03 24	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
728.7 3	0.2	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 728.73 6	0.243 14	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
728.77 30	0.038 10	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
728.8 5	0.8	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
728.8 3	4.6 4	¹²⁹ In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
• 728.85 20	0.043 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
728.86 11	0.045 5	¹⁹⁹ Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
728.9 6	0.12 4	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
728.9 5	0.4 4	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
729		⁹⁸ Rb(114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
729		⁹⁸ Rb(96 ms)	144.224(73), 289.4(68), 3010.5(23.4)
729.0 2	†37.8 23	¹³⁸ Pm(3.24 m)	520.9(†100), 493.1(†21.6), 1279.1(†11.0)
729.07 53	0.13 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
729.09 5	0.295 9	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
• 729.09 14	0.027 3	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
729.1 9	0.23 11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
729.19 27	0.008 5	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
729.2 8	0.0329 24	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
729.2 4	†0.56 11	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
729.23 7	1.37 6	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
729.27 37	†7.5 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
729.27 15	0.98 10	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
729.3 4	†6.9 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
729.38 3	0.085 8	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
729.4 2	1.6 8	¹⁰³ Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
• 729.45 4	0.065 4	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
729.5 5	0.19 4	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
729.5 2	0.46 3	²³⁵ Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
729.54 22	0.011 8	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
729.57 5	0.0012 3	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 729.57 5	0.70 3	¹²⁹ Te(33.6 d)	695.88(2.988), 556.65(0.118), 817.04(0.091)
729.57 7	0.60 12	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
729.60 20	0.23 5	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
729.6 3	0.82 12	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
729.6	†20	²⁰⁵ Rn(2.8 m)	264.9(†100), 464.5(†25), 620.2(†25)
729.63 20	0.30 3	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
729.7 2	†4.5 8	¹⁰¹ Y(448 ms)	98.3(†100), 133.8(†18.8), 232.1(†11.9)
729.7 2	†2.2 6	¹⁰³ Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
729.7 3	1.23 10	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
• 729.72 15	†1.33×10 ⁴ 14	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
729.8 2	2.7 7	¹⁰³ Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
• 729.8	0.00074 21	¹²⁵ Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
729.8 5		¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
729.85 10	0.037 8	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
• 729.87 8	0.0030 4	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
729.88 17	0.89 4	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
729.94 15	0.35 5	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
730.0 3	1.15 17	⁹⁹ Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
730.0		$^{120}\text{I}(81.0 \text{ m})$	560.44(\dagger 137), 1523.0(\dagger 21.1), 640.85(\dagger 17.1)
730.0 2	$\dagger 7$	$^{139}\text{I}(2.29 \text{ s})$	527.7(\dagger 100), 571.2(\dagger 98), 536.6(\dagger 67)
730 1	0.020 6	$^{193}\text{Au}(17.65 \text{ h})$	186.17(10.1), 255.57(6.7), 268.22(3.9)
730.03 14	0.60 5	$^{187}\text{Au}(8.4 \text{ m})$	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
730.04 24	0.32 5	$^{105}\text{In}(5.07 \text{ m})$	131.37(41), 260.21(15.7), 604.11(9.2)
730.05 20	0.162 20	$^{163}\text{Yb}(11.05 \text{ m})$	860.28(10.1), 63.62(6.5), 123.21(1.98)
730.1 4	0.08	$^{154}\text{Pm}(1.73 \text{ m})$	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
730.1 4	0.44	$^{154}\text{Pm}(2.68 \text{ m})$	184.810(32), 81.99(15.4), 546.66(14.5)
730.2 3		$^{129}\text{Ba}(2.17 \text{ h})$	182.30(\dagger 100), 1459.1(\dagger 50.0), 202.38(\dagger 33.7)
730.3 3	35 15	$^{148}\text{Tm}(0.7 \text{ s})$	646.6(100), 877.4(72), 1002.9(55)
730.3 5	0.270 18	$^{167}\text{Lu}(51.5 \text{ m})$	29.66(14.4), 239.22(8.6), 213.19(3.6)
730.38 11	0.61 7	$^{186}\text{Ir}(2.0 \text{ h})$	137.155(27), 767.508(21.2), 630.354(18.0)
730.4 4	0.0205 11	$^{77}\text{Ge}(11.30 \text{ h})$	264.44(54), 211.03(30.8), 215.50(28.6)
730.4 3	0.151 6	$^{139}\text{Xe}(39.68 \text{ s})$	218.59(56), 296.53(21.7), 174.97(11.3)
730.4 7	$\dagger 0.6 3$	$^{152}\text{Tb}(17.5 \text{ h})$	344.281(\dagger 1500), 586.294(\dagger 223), 271.135(\dagger 203)
730.40 3	>0.016	$^{187}\text{W}(23.72 \text{ h})$	685.774(27.3), 479.531(21.8), 72.001(11.14)
730.40 20	0.19 3	$^{245}\text{Pu}(10.5 \text{ h})$	327.428(25.4), 560.13(5.4), 308.222(4.9)
730.41 17	0.07 3	$^{181}\text{Re}(19.9 \text{ h})$	365.57(56), 360.70(20), 639.30(6.4)
730.49 8	1.8 5	$^{168}\text{Lu}(6.7 \text{ m})$	198.82(28), 979.22(20), 896.12(15)
730.5 2	0.58 7	$^{76}\text{Br}(16.2 \text{ h})$	559.101(74), 657.041(15.9), 1853.67(14.7)
730.5 5	$\dagger 1.9 4$	$^{183}\text{Hg}(9.4 \text{ s})$	60.5(\dagger 100), 159.91(\dagger 21), 172.70(\dagger 17)
730.5 3	$\dagger 1.8 3$	$^{189}\text{Hg}(7.6 \text{ m})$	320.99(\dagger 100), 78.21(\dagger 63), 565.42(\dagger 48)
730.5 1	1.05 7	$^{200}\text{Po}(11.5 \text{ m})$	671.0(34.0), 617.7(19.7), 434.4(9.3)
• 730.52 10	0.076 12	$^{188}\text{Ir}(41.5 \text{ h})$	155.032(29.7), 2214.62(18.7), 632.99(18)
730.6	1.4	$^{145}\text{Ba}(4.31 \text{ s})$	96.6(17), 91.9(7), 65.9(5)
730.6 2	0.8	$^{145}\text{La}(24.8 \text{ s})$	70.0(11), 355.8(3.8), 118.2(3.6)
730.6 2	0.60 16	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
730.6 4	0.51 6	$^{175}\text{Ta}(10.5 \text{ h})$	207.4(14.0), 348.5(12.0), 266.9(10.8)
730.660 2	1.45 6	$^{168}\text{Ho}(2.99 \text{ m})$	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 730.660 2	5.072 21	$^{168}\text{Tm}(93.1 \text{ d})$	198.241(52.39), 815.990(48.99), 447.515(23.05)
730.70 30	0.068 25	$^{116}\text{In}(54.41 \text{ m})$	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
730.7 1	0.032 4	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
730.7 7	$\dagger 2$	$^{179}\text{Os}(6.5 \text{ m})$	65.39(\dagger 100), 218.6(\dagger 17), 32.3(\dagger 17)
730.71 20	0.19 4	$^{162}\text{Yb}(18.87 \text{ m})$	163.35(40.0), 118.70(33.6), 576.10(3.24)
730.73 8	1.62 17	$^{125}\text{Cd}(0.57 \text{ s})$	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
730.74 4	1.81 11	$^{134}\text{I}(52.6 \text{ m})$	847.025(95.4), 884.090(64.9), 1072.547(15.0)
730.76 7	0.33 5	$^{208}\text{Rn}(24.35 \text{ m})$	426.78(7.07), 251.05(5.02), 350.026(3.34)
730.77 25	1.72 13	$^{100}\text{Cd}(49.1 \text{ s})$	936.55(66), 139.71(6.7), 582.5(6.3)
730.8 4	0.19 4	$^{76}\text{Kr}(14.8 \text{ h})$	315.7(39), 270.2(21.1), 45.48(19.5)
730.8 1	9.3 10	$^{108}\text{In}(58.0 \text{ m})$	875.46(100), 632.96(100), 242.84(41)
730.8 4	0.10	$^{117}\text{Cd}(3.36 \text{ h})$	1997.33(26), 1065.98(23.1), 564.397(14.7)
730.8 2	0.36 8	$^{121}\text{Cs}(122 \text{ s})$	179.4(30.2), 196.0(24.1), 459.7(12.0)
730.84 5	0.95 5	$^{81}\text{Ga}(1.221 \text{ s})$	216.47(37.4), 828.26(22.1), 711.18(17.6)
730.9 1	7.5 6	$^{100}\text{Ag}(2.01 \text{ m})$	665.54(99), 750.67(78), 773.20(24.2)
730.9 5	0.35 4	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)
• 730.9 2	0.6	$^{126}\text{Sb}(12.46 \text{ d})$	695.03(100), 666.331(100), 414.81(83.3)
730.9 5	0.26 9	$^{161}\text{Yb}(4.2 \text{ m})$	78.20(34), 599.88(25.9), 631.45(13.9)
730.9 2	0.63 8	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
730.92 4	0.012	$^{239}\text{U}(23.45 \text{ m})$	74.664(48), 43.533(4.14), 662.24(0.18)
731.0 4	0.16 5	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
731.0 3	0.256 15	$^{209}\text{Rn}(28.5 \text{ m})$	408.32(50.3), 745.78(22.8), 337.45(14.5)
731.01 9	0.035 10	$^{88}\text{Kr}(2.84 \text{ h})$	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
731.07 5	0.0144 6	$^{127}\text{Cs}(6.25 \text{ h})$	411.95(62.8), 124.70(11.37), 462.31(5.07)
731.1 3		$^{118}\text{Ag}(3.76 \text{ s})$	487.77(60), 677.13(11.9), 2788.7(11.8)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 731.1 4	0.036 11	$^{190}\text{Ir}(11.78 \text{ d})$	186.718(52.4), 605.24(39.9), 518.55(34.0)
731.1 2	37 4	$^{190}\text{Tl}(3.7 \text{ m})$	416.4(91), 625.4(82), 839.7(24)
731.1 2		$^{190}\text{Tl}(2.6 \text{ m})$	416.4(79), 625.4(11.1), 683.5(8.7)
731.11 10	12.8 13	$^{184}\text{Pt}(17.3 \text{ m})$	154.90(31), 191.97(27), 548.36(23.1)
731.2 5	0.62 14	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
731.220 24	0.28 5	$^{150}\text{Pm}(2.68 \text{ h})$	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 731.220 24	0.336 10	$^{150}\text{Eu}(35.8 \text{ y})$	333.971(96), 439.401(80.4), 584.274(52.6)
731.227 11	7.70 25	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
731.23 15	0.0023 3	$^{62}\text{Zn}(9.186 \text{ h})$	596.56(26), 40.84(25.5), 548.35(15.3)
731.3 3	0.113 25	$^{95}\text{Rb}(377.5 \text{ ms})$	352.02(49), 204.02(15.1), 680.7(14.8)
731.3 4	0.6	$^{113}\text{Ag}(68.7 \text{ s})$	316.3(18), 392.3(11), 298.58(10)
731.33 4	1.49 4	$^{90}\text{Kr}(32.32 \text{ s})$	1118.69(39.0), 121.82(35.5), 539.49(30.8)
731.4 1	†5.81 15	$^{158}\text{Ho}(11.3 \text{ m})$	218.21(†100.0), 98.91(†70), 945.7(†37)
731.40 14	0.5 3	$^{187}\text{Pt}(2.35 \text{ h})$	106.46(9), 201.52(6.4), 110.04(5.7)
731.5	†22.0	$^{158}\text{Ho}(21.3 \text{ m})$	406.14(†100), 838.9(†84.3), 1484.1(†66.2)
• 731.5	†4.7×10 ³ 15	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
731.58 10	2.9 4	$^{183}\text{Ir}(58 \text{ m})$	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 731.6	0.0126 22	$^{47}\text{Ca}(4.536 \text{ d})$	1297.09(74), 489.23(6.5), 807.86(6.5)
• 731.6 8	0.016 12	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
731.6 1	†1.50 15	$^{171}\text{Ta}(23.3 \text{ m})$	49.6(†100), 506.4(†54), 501.8(†22.6)
731.634 21	0.055 3	$^{135}\text{Xe}(9.14 \text{ h})$	249.770(90), 608.151(2.90), 408.009(0.359)
731.68 8	0.070 11	$^{132}\text{Ce}(3.51 \text{ h})$	182.11(77), 155.37(10.5), 216.83(4.95)
731.7 2	†3.9 3	$^{201}\text{Po}(15.3 \text{ m})$	890.1(†100), 240.1(†71.0), 904.2(†54.8)
731.7 10	0.17 3	$^{208}\text{Rn}(24.35 \text{ m})$	426.78(7.07), 251.05(5.02), 350.026(3.34)
731.8 3	0.49 7	$^{97}\text{Rh}(46.2 \text{ m})$	189.21(49), 2245.6(14), 421.55(12.7)
731.812 13	0.007 3	$^{85}\text{Kr}(4.480 \text{ h})$	151.159(75.0), 129.820(0.300), 450.85(0.011)
731.812 13	†1.45 8	$^{85}\text{Sr}(67.63 \text{ m})$	151.159(†1272), 129.820(†15), 450.85(†1.06)
731.88 1	0.61 11	$^{133}\text{Te}(55.4 \text{ m})$	912.671(55.28), 647.51(19.4), 863.955(15.6)
731.9 3	†0.62 13	$^{95}\text{Pd}(13.3 \text{ s})$	1350.9(†105), 716.6(†70.63), 381.8(†50.8)
731.9 3	0.29 5	$^{127}\text{In}(1.09 \text{ s})$	1597.7(49), 646.1(6.2), 805.1(5.6)
731.9 4	0.022 9	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
731.92 8	0.55 7	$^{141}\text{Xe}(1.73 \text{ s})$	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 731.95 10	0.083 3	$^{83}\text{Sr}(32.41 \text{ h})$	762.65(30), 381.53(14.1), 418.37(4.41)
731.95 12	0.25 6	$^{193}\text{Hg}(11.8 \text{ h})$	257.97(61), 407.63(25), 573.25(14.2)
732.0 1	22 1	$^{130}\text{Sb}(39.5 \text{ m})$	793.53(100), 839.49(100), 331.05(78)
732.0 3	0.9 3	$^{152}\text{Ho}(49.5 \text{ s})$	647.2(92), 613.8(88.4), 683.3(88)
732.1 2	0.0212 12	$^{81}\text{Rb}(30.5 \text{ m})$	49.56(0.78), 643.6(0.115), 1194.9(0.112)
732.2	†6.8 6	$^{178}\text{Ir}(12 \text{ s})$	266.1(†100.0), 131.6(†79), 363.1(†39.9)
732.3 3	0.24 3	$^{99}\text{Sr}(0.269 \text{ s})$	125.118(16.1), 536.12(14.0), 1198.12(9.2)
732.3 4	0.28 5	$^{201}\text{Au}(26 \text{ m})$	542.6(1.2), 517.0(0.83), 613.2(0.77)
• 732.33 5	0.0077 5	$^{147}\text{Eu}(24.1 \text{ d})$	197.299(27), 121.220(22.9), 677.516(9.8)
732.33 17	1.12 6	$^{186}\text{Au}(10.7 \text{ m})$	191.56(62), 298.67(25.4), 764.89(10.5)
• 732.34 7		$^{210}\text{Bi}(3.04\times 10^6 \text{ y})$	265.832(50), 304.896(28), 649.42(3.8)
732.4 1	5.0 11	$^{129}\text{Sn}(6.9 \text{ m})$	1161.31(56.0), 1128.44(50), 760.8(16.8)
732.4 2	0.58 9	$^{139}\text{Nd}(5.50 \text{ h})$	113.94(40), 737.96(35), 982.2(26.4)
732.4 1	0.57 5	$^{142}\text{Gd}(70.2 \text{ s})$	750.2(11.2), 178.90(11.20), 284.4(6.16)
732.4 1	0.102 17	$^{191}\text{Au}(3.18 \text{ h})$	586.45(17), 277.88(7.2), 674.19(6.8)
732.4 7	0.51 11	$^{191}\text{Hg}(50.8 \text{ m})$	252.5(57), 420.1(18.6), 578.6(17.6)
732.42 6	1.910 22	$^{139}\text{Xe}(39.68 \text{ s})$	218.59(56), 296.53(21.7), 174.97(11.3)
• 732.48 5	†0.02	$^{136}\text{Cs}(13.16 \text{ d})$	818.514(†100), 1048.073(†80), 340.547(†42.3)
732.48 5	0.0110 14	$^{136}\text{La}(9.87 \text{ m})$	818.514(2.3), 760.50(0.289), 1322.76(0.264)
732.5		$^{157}\text{Eu}(15.18 \text{ h})$	63.929(23.0), 410.723(17.5), 370.509(11.0)
732.5 3	0.0976 24	$^{171}\text{Er}(7.516 \text{ h})$	308.31(64.4), 295.901(28.9), 111.621(20.5)
732.5 2	1.4 3	$^{196}\text{Bi}(308 \text{ s})$	1049.21(87), 689.00(35.5), 776.6(9.1)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
732.5 10	$\dagger 1.29 \times 10^3$ 15	^{234}Pa (1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
732.5 2	0.015 4	^{246}Am (25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
732.60 17	0.169 24	^{91}Mo (65.0 s)	1507.93(24.3), 1208.09(18.7), 2240.87(0.73)
732.6 1	9.8 8	^{108}Tc (5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
732.6 5	0.054 16	^{115}Ag (20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
732.62 16	0.00131 23	^{129}Te (69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
732.7 2	0.63 9	^{109}Sn (18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
732.7 4	0.29 7	^{119}Ag (2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
732.70 20	0.55 6	^{121}Ag (0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
732.7 3	0.019	^{164}Yb (75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
732.7 3	0.30 3	^{186}Hg (1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
732.7 4		^{191}Tl (5.22 m)	452.6($\dagger 100$), 470.1($\dagger 98$), 391.6($\dagger 96$)
732.8 2	0.33 3	^{96}Rb (0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
732.8 2	0.115 8	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
732.8 5	0.67 4	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
732.8 2	3.1 3	^{154}Ho (3.10 m)	334.6(94), 412.4(79), 477.1(55)
732.9 2	0.75 5	^{143}Gd (39 s)	258.81(75), 204.77(19.4), 463.7(9.9)
732.9 3	$\dagger 7$ 1	^{155}Tm (21.6 s)	226.8($\dagger 100$), 531.7($\dagger 20$), 88.1($\dagger 17$)
732.9 5	0.15 6	^{157}Tm (3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
732.9 2	$\dagger 6$ 0 9	^{159}Yb (1.58 m)	166.16($\dagger 500$), 177.12($\dagger 159$), 390.20($\dagger 113$)
• 732.99 7	0.056 5	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
733.0 2	1.58 22	^{119}Cd (2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
• 733.0 6	0.034 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
733.0 2	0.25 11	^{163}Tb (19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
733.0 2	$\dagger 1.05$ 16	^{192}Tl (9.6 m)	422.8($\dagger 100$), 634.8($\dagger 75.9$), 786.3($\dagger 31.7$)
733	$\dagger 10$ 3	^{210}Fr (3.18 m)	643.8($\dagger 100$), 817.6($\dagger 60$), 203.1($\dagger 35$)
733.01 9	0.26 4	^{101}Mo (14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
733.02 6	0.113 9	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
733.08	0.16 7	^{44}K (22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
733.10 20	1.5 3	^{102}Nb (4.3 s)	296.611(79), 1633.10(41), 551.54(30)
733.1 3	0.063 15	^{143}Eu (2.63 m)	1107.3(8), 1536.8(3.29), 1912.7(2.13)
733.1 4	0.24 5	^{159}Eu (18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
733.2 2	0.023 5	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 733.2 7	>0.08	^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
733.2 3	0.0070 21	^{167}Yb (17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
733.30 20	0.18 5	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
733.3 1	$\dagger 4.0$ 8	^{172}Ir (2.0 s)	227.8($\dagger 100.0$), 378.4($\dagger 62.0$), 448.4($\dagger 40.5$)
733.3 3	$\dagger 26$	^{177}Os (2.8 m)	84.7($\dagger 100$), 125.4($\dagger 63$), 195.8($\dagger 61$)
733.39 5	6.9 4	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
733.4 5	0.028 14	^{162}Tm (21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
733.4 3	$\dagger 1.8$ 2	^{192}Bi (37 s)	853.8($\dagger 100.0$), 501.8($\dagger 80$), 504.3($\dagger 39$)
733.46 16	$\dagger 13$ 2	^{181}Pt (51 s)	289.29($\dagger 100$), 111.97($\dagger 100$), 230.15($\dagger 92$)
733.5 4	0.08 3	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
• 733.511 5	0.200 10	^{56}Co (77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
733.6 2	0.065 6	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
733.63 10	0.0023 4	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
733.65 10	0.039 11	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
733.68 5	1.40 7	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
733.69 9	0.0269 24	^{50}Sc (102.5 s)	1553.768(100), 1121.124(99.5), 523.792(88.7)
733.7 2	0.7 2	^{104}Mo (60 s)	68.8(55), 69.7(17.8), 36.3(14)
733.7 5	0.13 4	^{118}Cs (14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
733.72 5	0.88 5	^{93}Kr (1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
733.73 5	10.2 7	^{206}At (30.0 m)	700.66(98), 477.10(86), 395.54(48)
733.8 3	0.25 5	^{117}Xe (61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
733.80 5	0.35 6	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
733.82 29	0.09	¹¹⁶ Sb(15.8 m)	1293.54(85), 931.800(24.7), 2225.33(14.2)
733.895 8	1.54 18	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
733.9 2	1.9 5	¹⁰⁸ Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
733.9 4	0.032 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
733.9 3	0.16 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
733.93 8	0.13 7	¹⁰² Tc(5.28 s)	475.070(7), 468.59(0.88), 865.5(0.87)
• 733.93 8	†0.103 21	¹⁰² Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
733.94 10	0.64 5	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 733.97 13	0.047 6	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
734. 1	0.010 5	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
734.00 4	1.77 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
734.0 2	0.11 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 734.1	>0.008	⁸² Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
• 734.10 20	0.26 7	⁹⁹ Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
734.10 20	0.44 4	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
734.1 1	0.07 4	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
734.1 3	0.28 5	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
734.1 2	0.7	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
• 734.12 20	0.013 4	⁷⁹ Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
734.15 12	0.16 4	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
734.17 4	0.110 18	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
• 734.17 4	0.0036 12	⁷⁴ As(17.77 d)	595.847(59), 608.353(0.552), 1204.208(0.285)
734.2 4	0.0088 22	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
734.3 1	0.0152 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
734.4 4	0.20 9	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
• 734.4 4	0.17 5	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 734.4 1	0.039 4	¹⁷⁷ Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
734.40 3	0.38 5	¹⁸² Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
• 734.4 5	†0.0065 24	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
734.41 4	1.16 4	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 734.41 4	3.1 2	²⁴⁶ Bk(1.80 d)	798.80(61), 1081.40(5.8), 833.60(5.0)
734.42 7	0.65 14	²³⁷ Pa(8.7 m)	853.6(34), 865.1(15.5), 529.26(14.9)
734.43 15	1.6 4	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
734.5 1	0.18 3	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
734.5 3	0.52 16	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
734.5 10	0.52 16	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
734.51 16	0.136 17	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
734.60 20	43	⁸³ As(13.4 s)	1113.10(14.7), 2076.70(11.9), 2202.90(9.5)
734.6 3	1.5 3	¹⁵⁰ Tm(2.2 s)	1578.9(91), 474.5(86), 207.6(82)
734.6 6	0.259 18	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 734.6 5		¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
734.7 2	3.3 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
734.71 6	0.0051 8	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
734.8 1	0.010 4	¹⁰⁰ Tc(15.8 s)	539.59(7), 590.83(5.7), 1512.1(0.44)
734.8 1	0.24 10	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
734.8 3	†2.5 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 734.863 12	0.126 3	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
734.9 2	0.43 5	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
734.9 2	2.12 22	⁹⁸ Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
734.9 2	0.097 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 734.9	>0.00013	¹⁷² Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
734.9 2	2.5	¹⁹⁴ Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
734.9 1	5.9 4	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
734.98 5	1.48 8	^{78}Rb (5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
734.98 13	0.466 20	^{95}Ru (1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
735.0 10	0.020 11	^{85}Y (4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
735.0 2	0.024 5	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
735.0 5	>0.35	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 735.00 5	0.12 4	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 735.00 5	0.032 17	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
735.0 4	0.05 3	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 735		^{232}Pa (1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
735.06 8	0.89 9	^{183}Hf (1.067 h)	783.754(66), 73.174(38), 459.069(27)
735.1 2	0.30 3	^{152}Pm (4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
735.1 3	3.0 7	^{176}Re (5.3 m)	240.17(48), 109.08(25.0), 848.7(4.0)
735.1 2	0.098 25	^{230}Ac (122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
735.12 11	0.76 7	^{83}Se (22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
735.2 3	7.09 19	^{144}La (40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
735.2 6	0.37 12	^{166}Lu (2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
735.3 4	†0.66 12	^{120}I (81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
735.3 4	0.19 5	^{172}Ta (36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
735.3 2	†8 1	^{185}Pt (33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
735.343 22	0.151 22	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
735.4 3	†5 2	^{114}Te (15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
• 735.40 10	0.0058 10	^{152}Eu (13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
735.4 3	0.112 22	^{199}Pb (90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
735.5 12	10.6 22	^{32}Mg (120 ms)	2765.3(25), 2466.9(4.1)
735.5 4	†6.4 14	^{142}Xe (1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
• 735.5 5	†0.010 3	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 735.51 16	0.0011 3	^{193}Os (30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
735.59 22	0.367 7	^{72}Ga (14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
735.6 2	1.85 10	^{97}Rb (169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
735.6 5	0.7	^{101}Cd (1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
735.6 2	>0.14	^{157}Er (18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
735.6 3	0.14 5	^{157}Tm (3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
• 735.64 5	0.075 8	^{82}Br (35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
735.64 5	<7.0×10 ⁻⁵	^{82}Br (6.13 m)	776.517(0.26), 698.374(0.0340), 1474.88(0.0198)
735.64 5	0.11 5	^{82}Rb (6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
735.64 10	0.31 5	^{82}Rb (6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
735.68 9	0.074 6	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
735.7 8	0.035 12	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
735.72 6	7.5 4	^{146}Pr (24.15 m)	453.88(48.0), 1523.7(15.6), 788.6(6.3)
• 735.72 6	22.5 15	^{146}Pm (5.53 y)	453.88(65), 589.3(0.42), 146.4(0.21)
735.73 6	0.37 7	^{189}Pt (10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 735.738 26	0.137 10	^{124}Sb (60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 735.738 26	0.127 10	^{124}Sb (60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
735.78 7	0.0616 25	^{123}I (13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
735.8 2	0.34 6	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
735.8	†5.1	^{193}Pb (5.8 m)	365.2(†100), 392.2(†20.7), 716.4(†6.7)
735.83 5	0.017 3	^{179}Lu (4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
735.85 25	0.77 18	^{140}Cs (63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
735.87 24	1.5 5	^{80}Zn (0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
735.9 2	3.0 3	^{152}Ho (49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
735.9 5	†1.4 5	^{171}Hf (12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
735.9 2	0.016 3	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
735.9 2	2.4 5	^{232}Ac (119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
• 735.906 7	3.0×10 ⁻⁸ 1	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
735.93 7	5	^{242}Np (2.2 m)	780.44(2.76), 1473.1(2.34), 1137.1(1.30)
735.97 10	0.113 15	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
736	\dagger 3.9	^{107}Sn (2.90 m)	1129.2(\dagger 100), 678.5(\dagger 100), 1540.6(\dagger 30)
736	$>$ 0.0030	^{116}In (54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
• 736.02 8	0.138 15	^{166}Ho (1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
736.10 6	0.68 8	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 736.12 10	0.47 5	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
736.14 8	0.06 3	^{117}Cd (2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
736.2 2	0.95 21	^{101}Ag (11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
736.2 5	0.21 4	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
736.22 14	0.25 4	^{183}Au (42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
736.23 3	6.59 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 736.23 15	0.126 12	^{194}Au (38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
736.3 2	0.0014	^{100}Tc (15.8 s)	539.59(7), 590.83(5.7), 1512.1(0.44)
736.3 2	0.10 6	^{100}Rh (20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
736.3 6	0.34 10	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
736.32 11	0.161 24	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
736.4 4	0.058 23	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
736.40 20	\dagger 5.6 8	^{106}Mo (8.4 s)	465.70(\dagger 100), 54.00(\dagger 54), 618.60(\dagger 25)
• 736.4 1	0.0160 19	^{177}Ta (56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
736.4 6	\dagger 0.43 19	^{188}Au (8.84 m)	265.63(\dagger 100), 340.04(\dagger 23.9), 605.5(\dagger 16.3)
736.4 7	1.27 17	^{201}Bi (108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 736.42 20	0.130 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
736.5 1	2.48 15	^{149}Dy (4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
736.54 5	0.191 4	^{126}Cs (1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
736.55 28	1.29 21	^{84}Br (31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
• 736.55 11	0.079 8	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 736.56 8	0.29 3	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
736.6 4	0.057 14	^{162}Tm (21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
736.65 3	12.6 7	^{125}Cd (0.57 s)	1027.53(25.8), 1173.16(25.1), 2392.43(9.4)
736.7 2	1.62 18	^{98}Y (0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
736.7 2	0.00168 20	^{109}Pd (13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
736.7 2	\dagger 8 1	^{159}Yb (1.58 m)	166.16(\dagger 500), 177.12(\dagger 159), 390.20(\dagger 113)
736.7 3	0.154 19	^{164}Tm (5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
736.8 3	0.48 7	^{149}Dy (4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 736.80 10	0.022 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 736.832 22	0.247 15	^{166}Ho (1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
736.832 22	0.136 5	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
736.88 12	\dagger 17.1 14	^{189}Hg (7.6 m)	320.99(\dagger 100), 78.21(\dagger 63), 565.42(\dagger 48)
736.9 15	1.02 25	^{68}Cu (3.75 m)	1339.96(12.0), 1077.35(12), 1041.3(9.6)
736.9 15		^{68}Cu (31.1 s)	1077.35(64), 1260.97(12.5), 1883.09(2.4)
736.9 1	0.0031 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 736.90 20	0.021 5	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
736.9 1	\dagger 1.30 13	^{171}Ta (23.3 m)	49.6(\dagger 100), 506.4(\dagger 54), 501.8(\dagger 22.6)
736.9 5	0.134 16	^{227}Fr (2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
737 1	$>$ 0.35	^{113}Ag (68.7 s)	316.3(18), 392.3(11), 298.58(10)
737.0 4	1.0 3	^{113}Te (1.7 m)	814.4(22), 1018.1(13.0), 1181.0(12.3)
737.0 6		^{119}Xe (5.8 m)	231.8(\dagger 100), 98.5(\dagger 95), 461.5(\dagger 91)
• 737.0 4	0.052 21	^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 737.0 4		^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
737.0 5	\dagger 11 2	^{160}Eu (38 s)	173.19(\dagger 100), 513.6(\dagger 60), 412.56(\dagger 56)
737.0 2	0.31 10	^{190}Tl (3.7 m)	416.4(91), 625.4(82), 731.1(37)
737.0 2		^{190}Tl (2.6 m)	416.4(79), 625.4(11.1), 683.5(8.7)
737.0 5	0.20 6	^{235}Th (7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
737.011 15	0.278 13	$^{183}\text{Os}(13.0 \text{ h})$	381.768(89.6), 114.463(20.63), 167.844(8.81)
737.05 10	0.75 4	$^{163}\text{Yb}(11.05 \text{ m})$	860.28(10.1), 63.62(6.5), 123.21(1.98)
737.1 10	0.39 9	$^{129}\text{Sb}(4.40 \text{ h})$	812.8(43), 914.6(20.0), 544.7(17.9)
737.1 2	0.22 5	$^{161}\text{Er}(3.21 \text{ h})$	826.6(3.0), 211.15(12.2), 592.6(3.7)
• 737.13 10	0.255 8	$^{83}\text{Sr}(32.41 \text{ h})$	762.65(30), 381.53(14.1), 418.37(4.41)
737.19 11	0.73 5	$^{197}\text{Pb}(43 \text{ m})$	385.85(74), 387.72(25.1), 222.45(24.6)
737.20 21	1.8 13	$^{112}\text{Rh}(3.8 \text{ s})$	348.70(33), 388.20(4), 777.5(3.6)
737.20 21	12.9 20	$^{112}\text{Rh}(6.8 \text{ s})$	348.70(87), 560.5(49), 1098.6(39)
737.2 2	†19	$^{138}\text{Eu}(12.1 \text{ s})$	346.6(†100), 544.2(†55), 685.4(†41)
737.20 20	0.14 4	$^{159}\text{Tm}(9.13 \text{ m})$	38.35(5.8), 84.8(5.8), 271.30(5.1)
737.24 23	0.053 7	$^{93}\text{Kr}(1.286 \text{ s})$	253.42(41.2), 323.89(24.1), 266.83(20.6)
737.25 36	0.050 13	$^{174}\text{Ta}(1.05 \text{ h})$	206.50(58), 91.00(16.0), 1205.92(4.9)
737.3 8	0.047 13	$^{101}\text{Mo}(14.61 \text{ m})$	191.92(19), 590.91(16.4), 1012.47(12.8)
737.3 3	0.072 9	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
• 737.34 5	†8.00×10 ⁴ 24	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
737.35 10	2.3	$^{82}\text{Y}(9.5 \text{ s})$	573.66(25), 602.14(10), 1175.58(1.0)
737.37 17	†12.6 17	$^{142}\text{Xe}(1.22 \text{ s})$	571.83(†100), 657.05(†79), 538.24(†77)
737.4 2	0.51 5	$^{92}\text{Kr}(1.840 \text{ s})$	142.307(64), 1218.6(60), 812.6(14.6)
737.4 2		$^{223}\text{Rn}(23.2 \text{ m})$	591.8(†100), 635.2(†76), 416.0(†55)
737.455 15	2.25 16	$^{150}\text{Pm}(2.68 \text{ h})$	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 737.455 15	9.60 19	$^{150}\text{Eu}(35.8 \text{ y})$	333.971(96), 439.401(80.4), 584.274(52.6)
737.5 4	0.11 4	$^{103}\text{Cd}(7.3 \text{ m})$	1461.81(12), 1448.70(5.55), 1079.90(5.44)
737.5 5	0.28 7	$^{117}\text{Ag}(72.8 \text{ s})$	135.4(23), 337.7(10.3), 157.1(7.9)
737.55 5	0.90 5	$^{107}\text{Ru}(3.75 \text{ m})$	194.05(9.9), 847.93(5.3), 462.61(3.66)
737.6 1	1.31 16	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
737.60 12	0.050 5	$^{139}\text{Cs}(9.27 \text{ m})$	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 737.6	0.0063 25	$^{154}\text{Eu}(8.593 \text{ y})$	123.071(40.79), 1274.436(35.19), 723.304(20.22)
• 737.686 4	0.010 5	$^{168}\text{Tm}(93.1 \text{ d})$	198.241(52.39), 815.990(48.99), 447.515(23.05)
737.72 5	0.038 4	$^{228}\text{Ac}(6.15 \text{ h})$	911.205(26.6), 968.971(16.2), 338.322(11.3)
737.74 5	12.1 7	$^{81}\text{Ge}(7.6 \text{ s})$	335.98(58.9), 792.94(34), 1495.53(19.9)
737.74 5	10.5 8	$^{81}\text{Ge}(7.6 \text{ s})$	93.10(26), 335.98(12.8), 197.30(12.3)
• 737.8		$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
737.8 4	0.041 21	$^{195}\text{Tl}(1.16 \text{ h})$	563.52(10.5), 884.47(10.0), 1363.88(8.4)
737.8 3	1.23 7	$^{231}\text{Np}(48.8 \text{ m})$	370.9(10), 348.4(3.63), 263.8(2.84)
737.86 9	29 2	$^{186}\text{Ta}(10.5 \text{ m})$	197.93(50), 214.87(42.3), 510.82(37.5)
737.9 2	†0.53 5	$^{129}\text{Ba}(2.17 \text{ h})$	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 737.9 3		$^{171}\text{Lu}(8.24 \text{ d})$	739.78(47.8), 19.394(13.7), 667.404(11.04)
737.96 7	0.47 3	$^{87}\text{Br}(55.60 \text{ s})$	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
737.96 8	35	$^{139}\text{Nd}(5.50 \text{ h})$	113.94(40), 982.2(26.4), 708.06(26.4)
737.96 20	0.22 5	$^{245}\text{Pu}(10.5 \text{ h})$	327.428(25.4), 560.13(5.4), 308.222(4.9)
738.00 10	1.12 4	$^{86}\text{Nb}(7.8 \text{ m})$	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
738.0 1	1.15 7	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
738.03 12	1.17 10	$^{206}\text{At}(30.0 \text{ m})$	700.66(98), 477.10(86), 395.54(48)
738.07 13	0.72 16	$^{162}\text{Yb}(18.87 \text{ m})$	163.35(40.0), 118.70(33.6), 576.10(3.24)
738.1	15	$^{43}\text{Ar}(5.37 \text{ m})$	975.0(34), 1439.5(13), 2344.7(7)
738.1 3	12 4	$^{116}\text{Rh}(0.68 \text{ s})$	340.5(45), 398.1(16)
738.1 3	9.0 25	$^{116}\text{Rh}(0.9 \text{ s})$	340.5(90), 639.4(52), 538.4(40)
738.1 3	0.36 4	$^{118}\text{I}(13.7 \text{ m})$	605.71(86.0), 545.12(10.9), 600.71(10.2)
738.10 17	0.30 10	$^{181}\text{Re}(19.9 \text{ h})$	365.57(56), 360.70(20), 639.30(6.4)
738.1 3	†0.23 2	$^{184}\text{Ir}(3.09 \text{ h})$	263.97(†100), 119.80(†45), 390.38(†38)
738.1 4	0.033 16	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
738.1 2	†38.4 4	$^{203}\text{At}(7.4 \text{ m})$	639.4(†100), 641.5(†55.8), 656.4(†26.6)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
738.2 2	5	¹³⁶ Te(17.5 s)	2077.9(22), 333.99(19), 578.75(18)
738.2 2		¹³⁷ Te(2.49 s)	630.7, 578.75, 333.99
738.2 3	0.37 6	¹⁹⁶ Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
738.23 20	3.04 23	⁶⁸ As(151.6 s)	1015.96(78), 761.61(33.8), 651.12(32.1)
738.27 10	0.076 10	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
738.3 4	0.7 3	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
738.39 7	4.22 22	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
738.4 3	0.68 13	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
738.4 10	0.00060 9	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 738.4 10	†0.0044 12	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
738.46 6	0.040 4	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
738.5 4	0.055 4	⁷² Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
738.5 5	0.25 6	¹³⁸ I(6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
738.5 5	†14.9 19	²⁰⁶ Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
• 738.54 9	0.096 8	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
738.6 4	0.214 20	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
738.6	9	¹⁴⁰ I(0.86 s)	376.657(91), 457.630(59), 936.7(16)
738.60 17	0.23 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
738.6 6	>0.09	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
738.66 5	1.655 25	⁷⁸ Rb(17.66 m)	454.97(63), 692.86(12.56), 562.15(11.41)
738.66 5	0.38 6	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
738.7 2	†5.2 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
738.7 1	1.08 18	¹⁶⁰ Tm(74.5 s)	264.1(9), 125.8(6.5), 375.8(2.4)
738.7 2	0.00060 12	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
738.72 5	0.158 7	⁸⁹ Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
738.8 10	0.19 6	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
738.80 30	0.019 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
738.8 1	0.272 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
• 738.8 2	0.086 15	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
738.8 4	0.58 14	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
738.8 3	†8.9 13	¹⁸¹ Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
738.83 42	†1.2	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
738.97 16	3.02 6	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
739.0 10	0.023 8	⁹⁰ Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
739.0 3	0.08 4	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
739.00 30	0.056 7	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 739	>0.00050	¹⁹² Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
• 739	>0.00051	¹⁹² Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
739.1 2	>0.12	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
739.1 1	0.028 3	¹⁴¹ Pm(20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
739.1 2	0.144 17	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
739.1 1	0.91 4	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
739.1 5	†1.2	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
739.1 4	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
739.12 12	0.010 3	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
739.14 14	0.9	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
739.18 8	0.71 7	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
739.2 4	0.0067 13	⁹⁰ Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
739.2 4	0.035 6	⁹⁰ Rb(158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
739.2	4.83 14	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
739.20 3	1.69 4	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
739.2 1	†65 5	²²⁷ Rn(22.5 s)	162.14(†100), 686.2(†62), 805.0(†33)
• 739.24 8	0.157 8	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
739.3 2	4.6 5	¹⁷⁴ Re(2.40 m)	243.4(37), 113.0(19.8), 1002.9(5.62)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
739.3 7	†5.7 6	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
739.32 8	1.62 16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
739.34 12	0.018 6	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
739.4 3	0.15 4	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
739.4 1	5.73 10	¹⁴⁸ Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
739.4 4	0.19 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
739.4 3	0.063 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
739.41 15	4.1 5	¹⁹⁰ Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
739.42 5	4.23 24	⁷³ Ga(4.86 h)	297.32(79.8), 325.70(11.17), 767.8(1.44)
• 739.42 11	1.83×10^{-6} 21	¹⁶⁹ Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
739.42 14	0.88 14	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
739.47 17	0.20 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
739.47 23	0.38 6	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
739.48 3	82 3	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 418.01(34.2)
• 739.50 2	12.1 4	⁹⁹ Mo(65.94 h)	181.063(6.08), 140.511(4.52), 777.921(4.28)
739.50 9	10 1	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
739.54 13	0.301 19	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 739.58 7	†0.55 8	¹⁰² Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
739.6 10	0.08 3	⁶⁰ Cu(23.7 m)	1332.501(88), 1791.6(45.4), 826.06(21.7)
739.6 2	0.40 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
739.6 4	0.11	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
739.62 4	1.36 8	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
739.63 3	2.4	¹¹³ Pd(93 s)	95.74(3.3), 643.7(3.0), 222.06(1.2)
• 739.68 6	0.30 3	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
739.73 10	0.76 4	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 739.78 2	47.8 7	¹⁷¹ Lu(8.24 d)	19.394(13.7), 667.404(11.04), 75.878(6.08)
739.79 15	0.61 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
739.8 5	0.23 8	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
739.8 4	0.0120 24	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
739.9 10		⁷⁷ Ga(13.2 s)	469.4(†100), 458.6(†48), 2187.3
739.9 3	0.211 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
739.9 5	0.83 16	¹³⁵ Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
739.9 7	0.091 20	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
739.95 6	10.1 10	¹⁰³ In(65 s)	187.97(55), 720.32(13.9), 201.80(9.5)
739.95 10	†1.17×10 ⁴ 3	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
740 2		⁹² Br(0.343 s)	769(†100), 1446(†10), 1035(†6)
740.0 10	0.17 3	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
740.00 20	0.14 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
740.0 6	0.29 10	¹⁷⁸ Re(13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
740.0 3		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
740.0 4	0.031	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 740		²⁴³ Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
• 740	0.007	²⁴⁹ Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
740.05 18	0.031 5	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
740.09 1	0.0232 25	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
740.1 10	0.14 3	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
740.1 2	0.320 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
740.1 5	0.38	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
740.11 79	0.06 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
740.12 10	0.06 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
• 740.167 25	0.117 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
740.167 25	0.16 5	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
• 740.18 11	0.194 16	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
740.2 1	0.397 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
740.2 3	†5.1 9	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
740.2 7	0.14 5	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
740.3 2	†1.7 4	¹⁰¹ Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
740.40 20	0.58 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
740.4 5		¹⁵⁰ Eu(12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
740.50 4	0.284 16	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
740.5 1	†0.88 12	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
740.5 3	0.32 3	¹⁸⁴ Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
740.5 10	>4.5	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
740.52 4	12.2 7	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 262.22(10.8), 863.89(9.2)
740.57 3	0.0142 3	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
740.6 3	†6.4 5	¹³⁸ Pm(3.24 m)	520.9(†100), 729.0(†37.8), 493.1(†21.6)
740.6 2	2.3 3	¹⁵⁴ Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
740.67 4	0.00086 5	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
740.67 4	7.2 9	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
740.7 1	16.0 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
740.7 7	0.53 10	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
740.8 2	0.19 4	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
740.8 10	0.08 3	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
• 740.8 2	0.023 5	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
740.8 3	0.23	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
740.8 2	0.33 5	²³⁶ Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
740.81 13	1.36 5	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
740.82 8	2.85 15	⁹⁰ Br(1.92 s)	707.05(38.0), 1362.32(11.2), 655.17(7.7)
740.84 12	0.27 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
740.9 3	0.30 5	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
740.9	†1.8	¹⁴⁴ Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
740.96 5	0.0374 13	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 740.96 5	0.0271 9	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
740.97 9	0.13	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
741.0 3	†3.3 5	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
741.0	1.5	¹⁴⁹ Ho(58 s)	1034.6(99.7), 1736.4(28.0), 372.1(25.3)
• 741.0	0.034	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
741.1 1	0.022 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
741.17 7	1.45 16	¹¹⁸ I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
741.17 7	0.63 11	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
741.2 3		¹³⁹ Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
741.2 2	1.7 2	¹⁴² Eu(1.22 m)	768.1(100), 1023.3(92.0), 556.6(86.6)
741.34 18	0.035 10	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
741.356 3	36.6 8	¹⁶⁸ Ho(2.99 m)	821.164(34.5), 815.990(18.6), 79.804(7.9)
• 741.356 3	12.31 5	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
741.4 3	0.046 14	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
741.4 4	0.11 4	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
741.4 3	0.34 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 741.467 17	0.854 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
741.5 2	3.0 5	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
• 741.50 20	0.0435 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 741.5	0.010 3	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
741.5 10	0.040	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 741.6 3	0.0012 7	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
741.6 2	0.182 8	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
741.6 2	†3 1	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
741.7 1	2.32 10	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
741.7 2	0.052 12	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
741.8 4	0.18 9	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
741.8 2	0.23 5	$^{224}\text{Fr}(3.30 \text{ m})$	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 741.8 2	1.5×10^{-6} 5	$^{228}\text{Th}(1.9131 \text{ y})$	84.373(1.266), 215.985(0.263), 131.613(0.1355)
741.87 10	29.4 7	$^{96}\text{Rh}(9.90 \text{ m})$	832.57(100), 685.49(95.7), 631.71(74.5)
741.88 20	0.064 16	$^{195}\text{Tl}(1.16 \text{ h})$	563.52(10.5), 884.47(10.0), 1363.88(8.4)
741.9 3	2.7 4	$^{139}\text{Sm}(2.57 \text{ m})$	273.7(37), 306.7(28.5), 596.3(8.0)
• 741.98 4	1.2×10^{-6} 4	$^{143}\text{Pr}(13.57 \text{ d})$	
• 741.98 4	39	$^{143}\text{Pm}(265 \text{ d})$	
741.99 7	4.4 3	$^{100}\text{Y}(735 \text{ ms})$	212.531(73), 118.59(15.4), 665.98(7.7)
• 742.0 6	0.043 22	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
742.0 4	0.11	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
742.05 15	0.047 3	$^{187}\text{Ir}(10.5 \text{ h})$	912.95(4.79), 427.12(4.12), 400.89(3.94)
742.1 2	†1.2 4	$^{131}\text{Ce}(5.0 \text{ m})$	230.43(†100), 436.85(†7.3), 462.9(†6.9)
742.11 8	2.54 7	$^{103}\text{Ag}(65.7 \text{ m})$	118.72(31.2), 148.193(28.3), 266.86(13.3)
• 742.16 11	0.0244 22	$^{148}\text{Eu}(54.5 \text{ d})$	550.284(98.5), 629.987(71.9), 611.293(20.5)
742.19 15	4.2 3	$^{195}\text{Pb}(15.0 \text{ m})$	383.64(106.9), 394.21(44), 878.40(24.2)
742.2 3	0.03	$^{154}\text{Pm}(1.73 \text{ m})$	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
742.2 3	2.34	$^{154}\text{Pm}(2.68 \text{ m})$	184.810(32), 81.99(15.4), 546.66(14.5)
742.25 10	0.067 8	$^{63}\text{Zn}(38.47 \text{ m})$	669.62(8), 962.06(6.5), 1412.08(0.75)
742.25 12	0.033 6	$^{114}\text{Ag}(4.6 \text{ s})$	558.454(20.40), 576.08(1.77), 1301.234(1.31)
742.30 20	1.21 18	$^{94}\text{Tc}(293 \text{ m})$	871.082(100), 702.626(99.6), 849.74(95.7)
742.3 4	0.20 10	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
742.36 6	9.8 7	$^{80}\text{Zn}(0.545 \text{ s})$	712.53(45.1), 715.40(33.8), 964.93(15.6)
742.37 8	0.00120 15	$^{223}\text{Fr}(21.8 \text{ m})$	50.13(36.0), 79.72(9.1), 234.81(3.0)
742.5 5		$^{168}\text{Lu}(6.7 \text{ m})$	198.82(28), 979.22(20), 896.12(15)
742.5 5	0.5 5	$^{172}\text{Ta}(36.8 \text{ m})$	214.02(46), 95.23(17.5), 1109.27(12.4)
• 742.5 2	0.0004	$^{235}\text{U}(7.038 \times 10^8 \text{ y})$	185.712(57.2), 143.764(10.96), 163.358(5.08)
742.58 20	0.154 22	$^{179}\text{Re}(19.5 \text{ m})$	430.221(28), 289.968(26.9), 1680.244(13.0)
742.582 15	0.044 6	$^{183}\text{Os}(13.0 \text{ h})$	381.768(89.6), 114.463(20.63), 167.844(8.81)
742.586 18	15.1 9	$^{134}\text{Te}(41.8 \text{ m})$	767.20(29.0), 210.465(22.3), 277.951(20.9)
742.59 10	0.0261 23	$^{166}\text{Tm}(7.70 \text{ h})$	778.817(18.9), 2052.36(17.2), 184.410(16.1)
742.6 4	0.017 4	$^{111}\text{Pd}(23.4 \text{ m})$	580.00(0.8), 70.44(0.78), 1459.0(0.56)
• 742.6 5	0.30 4	$^{146}\text{Eu}(4.59 \text{ d})$	747.2(98), 633.03(43), 634.07(37)
742.6 2	1.2 3	$^{157}\text{Tm}(3.63 \text{ m})$	455.00(9.3), 385.5(8.8), 348.40(8.4)
742.64 8	28.2 4	$^{207}\text{Po}(5.80 \text{ h})$	992.33(59.3), 911.79(16.95), 405.75(9.7)
742.64 8	0.0010 3	$^{211}\text{At}(7.214 \text{ h})$	669.60(0.0035)
742.7 3	†12.1 12	$^{191}\text{Tl}(5.22 \text{ m})$	452.6(†100), 470.1(†98), 391.6(†96)
• 742.7 5	3.8×10^{-8} 13	$^{239}\text{Pu}(24110 \text{ y})$	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
742.8 3	0.44 7	$^{119}\text{Cd}(2.69 \text{ m})$	292.9(36.8), 343.0(16.9), 1609.7(10.9)
742.8 2	0.30 4	$^{146}\text{Ba}(2.22 \text{ s})$	140.7(20.2), 251.2(19.6), 121.2(14.2)
742.8 5	0.33 13	$^{153}\text{Ho}(2.0 \text{ m})$	295.8(67), 637.0(5.36), 688.5(3.7)
742.8 4	7.0 6	$^{166}\text{Ta}(34.4 \text{ s})$	158.5(53), 311.8(28.2), 810.1(9.8)
742.81 3	2.06 10	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
742.81 3	80000 4	$^{234}\text{Pa}(1.17 \text{ m})$	1001.03(†837000), 766.38(†294000), 258.23(†72800)
• 742.81 3	5.27 21	$^{234}\text{Np}(4.4 \text{ d})$	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 742.81 3	5.2×10^{-6} 2	$^{238}\text{Pu}(87.74 \text{ y})$	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
• 742.84 6	0.028 4	$^{165}\text{Tm}(30.06 \text{ h})$	242.917(35.5), 47.155(16.9), 297.369(12.71)
742.9 2	0.39 11	$^{133}\text{Te}(55.4 \text{ m})$	912.671(55.28), 647.51(19.4), 863.955(15.6)
742.9 2	0.13 3	$^{133}\text{Ce}(4.9 \text{ h})$	477.22(39), 510.36(20.7), 58.39(19.2)
• 742.9 3	$\dagger 3.5 \times 10^3$	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000 $\times 10^9$), 33.195(†6000 $\times 10^8$)
742.94 10	1.40 14	$^{149}\text{Pr}(2.26 \text{ m})$	138.447(11.0), 165.087(9.9), 108.520(9.5)
743.0 2	†11 3	$^{112}\text{Te}(2.0 \text{ m})$	372.70(†100), 296.20(†86), 418.9(†57)
743.0 2	0.31 6	$^{133}\text{Te}(12.5 \text{ m})$	312.072(62), 407.63(27.1), 1333.21(10.67)
743.0	12	$^{144}\text{Tb}(4.25 \text{ s})$	1001.6(7), 959.36(4.7), 558.0(4.6)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
743.0	21	¹⁴⁴ Tb(1 s)	1143.9(4.0), 1719.1(1.7), 1483.5(1.0)
743.0 2	†19 5	¹⁷² Re(55 s)	123.2(†100), 253.9(†74), 350.5(†>3.7)
743		¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
743 1	0.035 12	¹⁹³ Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
743.0 3	1.5 3	¹⁹⁸ Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
743.01 18	†17 4	¹⁰² Y(0.30 s)	151.73(†100), 1211.08(†40), 1059.21(†29)
743.02 8	0.60 11	²⁰³ Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
743.055 30	3.00 15	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
743.1 4	0.34 14	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
743.1 4	†0.66 12	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
743.1 1	18.5 11	¹³⁰ Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
743.10 11	0.67 4	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
743.2 3	0.088 13	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
• 743.2 3	0.016 4	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
• 743.2	0.9	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
743.2	0.25	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
743.22 2	100 5	¹²⁸ Sb(9.01 h)	753.82(100), 314.12(61), 526.57(45)
743.22 2	96	¹²⁸ Sb(10.4 m)	753.82(96.4), 314.12(89), 787.86(7.1)
743.22 2	0.165 7	¹²⁸ I(24.99 m)	
743.3 2	0.037 8	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
743.3 4	0.66 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 743.31 21	0.57 4	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
743.36 3	93	⁹⁷ Zr(16.91 h)	507.64(5.03), 1147.97(2.61), 355.40(2.09)
743.40 10	4.4 4	¹²³ Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
743.4 3	0.04	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
743.4 3	2.80	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
743.4	0.22 11	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
743.4 5	0.063 16	²²⁷ Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
743.50 10	1.23 6	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
743.5	1.5	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
743.5	0.6	¹⁴⁷ Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
743.5 4	0.0026 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
743.5 5	0.27 5	²³⁷ Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
743.56 7	21.5 22	⁷⁰ As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
743.6 5	0.057 14	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
743.64 5	<0.0	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
743.65 5	0.177 4	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
743.7 3	0.82 19	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
• 743.7 8	0.006 6	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
743.7 5	0.079 15	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
743.70 20	0.15 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
743.76 4	0.142 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
743.8 2	0.14 4	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
743.8 5	0.0070 25	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
743.85 10	0.069 10	⁶⁷ Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
743.9 3	32 5	¹¹⁶ Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
743.9 10	>0.026	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
743.9 3	†0.45 6	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
743.9	0.14 3	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
743.971 5	66 18	²⁴⁴ Am(10.1 h)	897.848(28), 153.863(16), 99.383(4.6)
744.0	0.030 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
744		²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
744.1 5	0.9 4	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
744.1 5	0.32 5	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
744.1 5	0.07 3	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
744.1 5	0.14 3	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
744.16 20	0.26 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
744.18 13	0.042 7	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
744.2 2	0.049 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
• 744.20 4	2.07 5	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
744.2 3	0.106 10	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
744.2 5	†1.1 5	¹⁹⁸ Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
• 744.233 13	†90.6 4	⁵² Mn(5.591 d)	1434.068(†100.0), 935.538(†94.9), 1333.649(†5.07)
• 744.277 4	4.70 3	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
744.277 4	1.97 10	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
744.3 1	0.043 5	¹⁴¹ Pm(20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
744.3 2	0.91 7	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
744.3 3	0.288 24	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
744.36 24	†3.1 5	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
744.4 3	0.008 4	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
744.4 5	0.32 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
744.45 25	†70	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
744.5 3	0.57 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
744.6 8	0.016 8	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
744.62 10	5.2 5	¹²⁵ In(2.36 s)	1335.04(71), 1031.75(9.6), 617.88(7.4)
744.7 2	0.182 20	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
744.7 4	0.07	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
744.7 5	†4.4 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
744.74 10	2.5 4	⁷⁴ Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
• 744.79 4	0.697 16	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
744.8 3	0.66 11	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
744.8 3	0.102 25	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
744.820 10	0.260 19	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
744.86 12	0.38 3	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
744.87 24	0.14 4	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
744.9 3	0.12 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
744.9 3	0.19 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
744.9 5	0.0068	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
745.0 3	0.182 23	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
745.0 3	0.26 4	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
745.0 5	0.17 6	¹⁶⁷ Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
745.0 5	0.0066 8	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
745 2	†29	¹⁷⁸ Os(5.0 m)	968.7(†100), 1331.1(†94), 594.6(†72)
745.0 8	0.13 5	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
745.0 6	>0.13	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
745 1	†7.0 9	²⁴⁴ Bk(4.35 h)	891.5(†100), 217.6(†88), 921.5(†19)
745.03 6	7.8 4	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
745.05 4	0.235 7	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
745.1 3	0.090 8	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
745.15 9	0.74 10	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
745.16 7	0.47 5	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
745.2 2	0.17 4	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
745.2 3	0.27 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
745.2	0.34 7	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
745.2 8	0.052 10	¹⁵⁷ Dy(8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
745.2 5	0.072 25	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
745.2 3		¹⁸⁷ Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
745.214 18	0.298 7	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
745.3 3	0.33 9	$^{109}\text{Sn}(18.0 \text{ m})$	1099.4(30), 649.90(28.0), 1321.3(11.9)
745.30 33	0.57 6	$^{146}\text{Cs}(0.343 \text{ s})$	181.02(57.0), 557.76(9.18), 332.38(6.44)
745.3 5	†6	$^{179}\text{Os}(6.5 \text{ m})$	65.39(†100), 218.6(†17), 32.3(†17)
• 745.36 4	102 7	$^{98}\text{Tc}(4.2 \times 10^6 \text{ y})$	652.43(100)
745.36 4	5.3 6	$^{98}\text{Rh}(8.7 \text{ m})$	652.43(94), 1817.0(4.7), 1164.78(4.5)
745.36 4	78 8	$^{98}\text{Rh}(3.5 \text{ m})$	652.43(96), 1144.52(8.5), 761.84(<8)
745.4 5	0.16 3	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
745.4 2	0.189 9	$^{137}\text{Pr}(1.28 \text{ h})$	836.7(1.8), 433.9(1.28), 514.0(1.08)
745.40 10	1.22 6	$^{151}\text{Dy}(17.9 \text{ m})$	386.10(19.4), 49.46(18.0), 546.31(14.3)
745.40 15	0.27	$^{154}\text{Pm}(1.73 \text{ m})$	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
745.40 15	3.22	$^{154}\text{Pm}(2.68 \text{ m})$	184.810(32), 81.99(15.4), 546.66(14.5)
745.4 5	0.052 20	$^{161}\text{Er}(3.21 \text{ h})$	826.6(3.0), 211.15(12.2), 592.6(3.7)
745.4 3	†3.0 20	$^{192}\text{Bi}(37 \text{ s})$	853.8(†100.0), 501.8(†80), 504.3(†39)
745.4 3	1.63 24	$^{230}\text{Fr}(19.1 \text{ s})$	711.0(13.6), 129.1(11.0), 728.4(7.3)
745.44 14	0.071 12	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 745.5 4	0.0014 3	$^{131}\text{Ba}(11.50 \text{ d})$	496.326(47), 123.805(28.97), 216.078(19.66)
• 745.5 5	0.019 12	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
745.5 1	†26.8 14	$^{192}\text{Tl}(9.6 \text{ m})$	422.8(†100), 634.8(†75.9), 786.3(†31.7)
745.6 4	0.014 6	$^{111}\text{Pd}(23.4 \text{ m})$	580.00(0.8), 70.44(0.78), 1459.0(0.56)
745.6 4	0.126 22	$^{111}\text{Pd}(5.5 \text{ h})$	70.44(8.3), 391.25(5.4), 632.80(3.6)
745.6 4	0.25 7	$^{161}\text{Yb}(4.2 \text{ m})$	78.20(34), 599.88(25.9), 631.45(13.9)
745.64 10	0.0038	$^{239}\text{U}(23.45 \text{ m})$	74.664(48), 43.533(4.14), 662.24(0.18)
745.7 5	1.16 11	$^{97}\text{Pd}(3.10 \text{ m})$	265.26(56), 475.2(26.7), 792.70(13.8)
745.7 2	†11	$^{138}\text{Eu}(12.1 \text{ s})$	346.6(†100), 544.2(†55), 685.4(†41)
745.7 11	0.6	$^{185}\text{Ir}(14.4 \text{ h})$	254.4(13.3), 1828.8(10), 60.0(5.7)
745.7 2	0.44 5	$^{188}\text{Tl}(71 \text{ s})$	412.7(88), 592.0(61), 504.2(23.3)
745.75 3	0.965 22	$^{77}\text{Ge}(11.30 \text{ h})$	264.44(54), 211.03(30.8), 215.50(28.6)
745.78 4	22.8 6	$^{209}\text{Rn}(28.5 \text{ m})$	408.32(50.3), 337.45(14.5), 689.26(9.7)
745.8 4	0.062 19	$^{90}\text{Kr}(32.32 \text{ s})$	1118.69(39.0), 121.82(35.5), 539.49(30.8)
745.8 2	0.11 3	$^{133}\text{Te}(12.5 \text{ m})$	312.072(62), 407.63(27.1), 1333.21(10.67)
745.8 3	†2.1 8	$^{185}\text{Pt}(33.0 \text{ m})$	229.60(†100), 135.3(†80), 197.4(†74)
• 745.87 5	0.053 4	$^{148}\text{Eu}(54.5 \text{ d})$	550.284(98.5), 629.987(71.9), 611.293(20.5)
745.88 18	0.25	$^{186}\text{Ta}(10.5 \text{ m})$	197.93(50), 214.87(42.3), 510.82(37.5)
745.9 5		$^{113}\text{Ru}(0.80 \text{ s})$	263.2(†100), 211.7(†31.0), 337.5(†27.9)
• 745.9 5	0.15 11	$^{127}\text{Sb}(3.85 \text{ d})$	685.7(37), 473.0(25.7), 783.7(15.0)
• 745.9 1	0.207 17	$^{177}\text{Ta}(56.56 \text{ h})$	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
745.9 1	0.32 3	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
745.92 20		$^{192}\text{Au}(4.94 \text{ h})$	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
746.0 3	0.59 5	$^{127}\text{In}(1.09 \text{ s})$	1597.7(49), 646.1(6.2), 805.1(5.6)
746		$^{138}\text{Xe}(14.08 \text{ m})$	258.411(31.5), 434.562(20.3), 1768.26(16.7)
746.0	0.6	$^{147}\text{Ce}(56.4 \text{ s})$	268.80(7), 92.9(4.7), 374.23(3.5)
746.0 1	0.300 18	$^{149}\text{Tb}(4.118 \text{ h})$	352.24(29.43), 164.98(26.4), 388.57(18.37)
746.0 2	0.41 5	$^{167}\text{Dy}(6.20 \text{ m})$	569.7(48), 259.33(27.9), 310.26(25.0)
746.0 2	1.54 22	$^{170}\text{Ho}(2.76 \text{ m})$	258.2(37.0), 931.3(36.1), 181.6(23.8)
746.1 1	0.32 3	$^{107}\text{Tc}(21.2 \text{ s})$	102.70(21.0), 177.00(9.2), 106.31(7.6)
746.1 5	0.8 3	$^{135}\text{Nd}(12.4 \text{ m})$	204.02(52), 41.43(23), 441.2(14.9)
746.1 4	0.11 6	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
746.11 20	†6.1 22	$^{193}\text{Hg}(3.80 \text{ h})$	861.11(†100), 1118.84(†64), 789.21(†36)
746.13 23	0.16 4	$^{153}\text{Dy}(6.4 \text{ h})$	80.723(11.10), 213.754(10.90), 99.659(10.51)
746.24 30	0.066	$^{137}\text{I}(24.5 \text{ s})$	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
746.28 12	0.075 19	$^{98}\text{Nb}(51.3 \text{ m})$	787.374(93), 722.645(73.8), 1168.830(17.8)
746.3 3	†11.6 11	$^{103}\text{Nb}(1.5 \text{ s})$	102.64(†100), 641.1(†55), 538.5(†34.0)
746.3 4	0.58 22	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
746.3 2	0.23 9	$^{152}\text{Pm}(7.52 \text{ m})$	244.6989(78), 121.7824(45), 340.48(31.3)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
746.4 1	0.027 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
746.4 1	6.2 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
746.4 7	0.0219 18	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 746.4 7	†0.0065 24	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
746.44 7	0.535 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
746.483 4	0.025 7	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
746.5 15	0.11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
746.5	0.009 6	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
746.5 3	0.11	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
746.5 6	>1.1	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
746.52 5	0.156 8	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
746.6 4	0.34 8	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
746.6 3	0.74 9	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
746.6 2	0.072 22	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
746.6 2	1.4 3	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
• 746.60 3	0.0024	¹⁷² Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 746.60 3		¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
746.7 1	†4.3 4	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
746.7 2	†2.23 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
746.8 3	†1.95 24	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
746.8 7	1.13 17	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
746.8 5	>1.1	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
746.86 12	0.203 12	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
746.89 6	0.0048 5	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
746.9 3	0.39 4	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
746.9 4	0.74 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
• 746.90 20	0.0305 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
747.0 3	0.034 15	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
747.0 3	0.36 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
747 1	0.13 8	¹³⁵ Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
• 747.00 6	0.178 10	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 747.0 1	0.0013 4	²²⁵ Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
747.03 15	†21.0 15	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
747.1 5	0.44 11	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
747.1 4	0.11	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
747.1 2	†0.9 2	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
747.15 9	0.010 4	¹¹⁴ Ag(4.6 s)	558.454(20.40), 576.08(1.77), 1301.234(1.31)
747.15 9	†>93	¹¹⁴ In(71.9 s)	558.454(†>34000), 576.08(†2000)
747.15 7	14.2 14	²⁰⁷ Rn(9.25 m)	344.53(46), 402.68(11.9), 674.00(8)
747.2 4	0.036 7	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
• 747.2 1	34.0 16	¹⁴⁶ Pm(5.53 y)	633.03(2.15)
• 747.2 1	98	¹⁴⁶ Eu(4.59 d)	633.03(43), 634.07(37), 1533.8(6.05)
• 747.28 1	0.162 4	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
747.3 2	0.146 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 747.31 15	0.049 9	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
747.4 3	0.11 3	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
747.4 6	0.054 20	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
747.4 4	0.06 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
747.41 10	7.3 5	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
747.5	0.50 4	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
747.5 8	0.08 4	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
747.62	2.09 12	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
747.63 7	0.318 20	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
747.66 18	0.196 20	¹¹⁵ Sb(32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
747.7 2	5.4 7	¹³⁶ Sm(47 s)	114.4(36), 485.3(5.0), 313.6(4.7)
747.7	0.22	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
747.7 3	†1.00 7	¹⁸⁷ Pb(15.2 s)	299.5(†100), 617.2(†2.67), 493.6(†2.67)
747.7 3	0.42 5	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
747.74 8	0.025 5	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 747.75 13	0.0042 8	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
747.76 9	6.5 6	⁸⁶ Nb(88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
747.76 13	0.20 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
747.8		¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
747.8 2	0.43 3	²³⁵ Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
• 747.82 10	0.270 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
747.82 4	5.4 3	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
747.9 2	0.134 17	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
747.96 8	1.36 9	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
747.97 9	0.048 11	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
• 747.974 6	8.1×10^{-8} 16	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
748.0	0.38	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
• 748.0 5	0.025 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
748.03 30	0.12 4	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
748.05 4	0.56 20	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
748.05 4	4.5 10	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
• 748.057 12	5.18 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
748.08 4	0.10	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
748.10 18	0.81 7	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
748.1 2	0.501 19	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
748.1 3	27.3 20	¹¹² Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
748.1 3	0.103 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
748.278 5	0.5250 21	¹⁴⁵ Pr(5.984 h)	675.795(0.514), 72.500(0.261), 978.969(0.256)
748.281 4	0.130 8	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 748.281 4	0.409 5	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
748.3 3	0.024 5	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
748.3 3	0.65 8	⁹⁷ Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
748.3 2	0.47 4	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
748.4 4	1.06 11	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
748.4 3	†1.53 19	¹⁹⁶ Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
748.44 7	19.3 10	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 748.44 7	20.6 6	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
748.5 2	0.82 4	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
748.5 1	†6.93 14	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
748.5 3	0.29 4	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 748.5 5	†0.019 4	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
748.55 5	1.62 6	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
748.6	0.5	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
• 748.6 2	0.076 13	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
• 748.601 2	8.22 10	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
748.64 8	0.57 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
748.7 3	1.2 3	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
748.7 10	>0.11	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
748.7 2	0.043 4	²⁰⁸ Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
748.76 2	4.0 4	¹³⁰ Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
748.8 10		⁷⁶ Zn(5.7 s)	281.7, 1030.6, 831.2
748.8 3	0.26 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
748.8 5	1.5 4	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
748.89 10	0.037 5	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
748.9 2	76	$^{194}\text{Tl}(32.8 \text{ m})$	636.5(99), 428.0(99), 734.9(22)
749.0 4	1.07 4	$^{86}\text{Se}(15.3 \text{ s})$	2441.1(43.0), 2660.0(21.6), 48.3(15.4)
749	9.2 9	$^{115}\text{Pd}(50 \text{ s})$	787.8
• 749.0 8	0.02 1	$^{131}\text{Te}(30 \text{ h})$	773.67(49.9), 852.21(27.0), 793.75(18.10)
749.0 2	0.52 12	$^{156}\text{Tm}(83.8 \text{ s})$	344.55(86), 452.85(17.2), 585.93(14.6)
749.0 2	$\dagger 4.3 \times 10^2$ 14	$^{157}\text{Ho}(12.6 \text{ m})$	279.97($\dagger 47600$), 341.16($\dagger 37000$), 193.41($\dagger 15200$)
749.0 2	$\dagger > 0.19$	$^{196}\text{Bi}(240 \text{ s})$	1049.21($\dagger 21.1$), 371.93($\dagger 20.8$), 689.00($\dagger 19.2$)
749		$^{238}\text{Pa}(2.3 \text{ m})$	1015.3($\dagger < 100$), 1014.6($\dagger < 100$), 635.18($\dagger 88$)
• 749.01 13	0.075 7	$^{165}\text{Tm}(30.06 \text{ h})$	242.917(35.5), 47.155(16.9), 297.369(12.71)
749.02 14	0.012 5	$^{130}\text{I}(12.36 \text{ h})$	536.09(99), 668.54(96), 739.48(82)
749.07 9	0.26	$^{51}\text{Mn}(46.2 \text{ m})$	1148.01(0.078), 1164.40(0.076), 2001.1(0.0371)
749.10 8	0.43 4	$^{79}\text{Ge}(19.1 \text{ s})$	109.58(21), 1505.85(9.2), 100.48(2.70)
749.10 8	3.6 4	$^{79}\text{Ge}(39.0 \text{ s})$	230.62(61), 542.27(32.6), 755(18)
749.1 5	> 0.35	$^{137}\text{Pm}(2.4 \text{ m})$	177.5(40.29), 108.6(35), 233.6(29.57)
749.2	$\dagger 0.75$ 8	$^{135}\text{Pm}(49 \text{ s})$	198.5($\dagger 100$), 207.2($\dagger 70$), 463.5($\dagger 62$)
749.24 9	0.0170 11	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
749.3 3	$\dagger 1.4$ 3	$^{189}\text{Hg}(7.6 \text{ m})$	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
749.345 7	1.12 4	$^{180}\text{Re}(2.44 \text{ m})$	902.795(90), 103.557(22.2), 825.357(9.9)
749.4 3	0.57 10	$^{97}\text{Rb}(169.9 \text{ ms})$	167.1(26), 585.2(21.0), 600.5(10.6)
749.4 2	3.62 9	$^{148}\text{Ho}(9.59 \text{ s})$	1687.5(82.47), 660.8(58.94), 504.3(18.62)
749.4 8	> 0.20	$^{154}\text{Tb}(9.4 \text{ h})$	123.071(30), 247.925(22.1), 540.18(20)
749.45 15	0.64 17	$^{204}\text{At}(9.2 \text{ m})$	684.341(95), 516.318(90), 426.253(67.5)
• 749.46 8	0.0031 4	$^{185}\text{Os}(93.6 \text{ d})$	646.116(78.0), 874.813(6.29), 880.523(5.17)
749.5 7	0.70 13	$^{86}\text{Br}(55.1 \text{ s})$	1564.92(64), 2751.2(21.1), 1361.65(10.4)
749.5 4	0.11	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
749.5 4	0.24 4	$^{175}\text{Ta}(10.5 \text{ h})$	207.4(14.0), 348.5(12.0), 266.9(10.8)
749.5 3	$\dagger 0.47$ 12	$^{188}\text{Au}(8.84 \text{ m})$	265.63($\dagger 100$), 340.04($\dagger 23.9$), 605.5($\dagger 16.3$)
• 749.50 20	0.027 4	$^{195}\text{Hg}(41.6 \text{ h})$	261.75(30.9), 560.27(7), 387.87(2.15)
749.6		$^{115}\text{Ag}(18.0 \text{ s})$	229.08($\dagger 100$), 131.52($\dagger 77$), 388.9($\dagger 52$)
749.6 3	0.20 3	$^{124}\text{Cs}(30.8 \text{ s})$	353.9(40), 914.8(4.0), 492.6(3.6)
749.6		$^{124}\text{Cs}(30.8 \text{ s})$	353.9(40), 914.8(4.0), 492.6(3.6)
749.6 3	0.060 17	$^{163}\text{Tm}(1.810 \text{ h})$	104.320(18.6), 69.229(11.6), 241.305(10.9)
749.6 8	0.8 8	$^{181}\text{Os}(105 \text{ m})$	238.75(44), 826.77(20), 118.03(12.9)
• 749.610 8	0.030 3	$^{77}\text{Br}(57.036 \text{ h})$	238.996(23), 520.639(22.4), 297.215(4.16)
749.63 5	0.0135 16	$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
749.70 23	3.9 5	$^{78}\text{Zn}(1.47 \text{ s})$	224.75(43.9), 181.68(28.1), 860.30(24.5)
749.70 30	0.038 9	$^{105}\text{Cd}(55.5 \text{ m})$	961.84(4.69), 346.870(4.20), 1302.459(3.98)
749.7 4	0.16 3	$^{151}\text{Dy}(17.9 \text{ m})$	386.10(19.4), 49.46(18.0), 546.31(14.3)
749.73 25	0.111 20	$^{91}\text{Rb}(58.4 \text{ s})$	93.628(33.7), 2564.19(12.5), 3599.67(10.4)
• 749.797 28	0.672 10	$^{150}\text{Eu}(35.8 \text{ y})$	333.971(96), 439.401(80.4), 584.274(52.6)
749.8 1	23.61 17	$^{91}\text{Sr}(9.63 \text{ h})$	1024.3(33), 652.9(8.0), 925.8(3.84)
749.8 3	0.34 8	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
749.83 21	0.30 4	$^{103}\text{Cd}(7.3 \text{ m})$	1461.81(12), 1448.70(5.55), 1079.90(5.44)
749.86 3	0.884 16	$^{77}\text{Ge}(11.30 \text{ h})$	264.44(54), 211.03(30.8), 215.50(28.6)
• 749.895 17	0.260 8	$^{147}\text{Eu}(24.1 \text{ d})$	197.299(27), 121.220(22.9), 677.516(9.8)
749.9 1	70 4	$^{140}\text{Gd}(15.8 \text{ s})$	174.8(76), 379.0(38), 191.2(34)
749.9 2	0.55 8	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 749.95 3	$\dagger 49.5$ 12	$^{56}\text{Ni}(5.9 \text{ d})$	158.38($\dagger 98.8$), 811.85($\dagger 86.0$), 269.50($\dagger 36.5$)
750.0 2	$\dagger 18.1$ 12	$^{103}\text{Mo}(67.5 \text{ s})$	83.4($\dagger 100$), 423.91($\dagger 69$), 45.8($\dagger 57$)
750.0 5	5.5 10	$^{166}\text{Ta}(34.4 \text{ s})$	158.5(53), 311.8(28.2), 810.1(9.8)
750.0 2	$\dagger 2.44$ 21	$^{185}\text{Hg}(21.6 \text{ s})$	222.8($\dagger 100.0$), 258.7($\dagger 98$), 212.5($\dagger 58$)
750.05 7	5.8 4	$^{136}\text{I}(46.9 \text{ s})$	1313.02(100), 381.359(100), 197.316(78)
750.07 7	0.085 6	$^{155}\text{Dy}(9.9 \text{ h})$	226.918(68.4), 184.564(3.37), 1089.8(> 2.8)
750.1 2	0.028 9	$^{98}\text{Nb}(51.3 \text{ m})$	787.374(93), 722.645(73.8), 1168.830(17.8)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
750.1 10	0.017 17	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
750.12 6	†18 4	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 750.12 6	0.440 26	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
750.2 5	0.13 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
750.2 1	11.2 11	¹⁴² Gd(70.2 s)	178.90(11.20), 284.4(6.16), 526.2(5.90)
• 750.2 5	0.016 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
750.2 3	5.3 3	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
750.26 10	2.1 2	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
750.3 2	†61	¹⁰¹ In(16 s)	252(†100), 420.7(†54), 891.4(†48)
750.3 3	1.57 24	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
750.4 1	1.04 5	¹⁹⁹ Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
750.5 5	0.12 4	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
750.5 8	0.046 17	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
750.5 5	0.22 4	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
750.6 2	11.2 19	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
750.6 2	†7.0 14	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
750.65 10	0.0209 22	¹³⁷ Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)
750.67 16	78 5	¹⁰⁰ Ag(2.01 m)	665.54(99), 773.20(24.2), 450.2(17.4)
750.67 16	>26	¹⁰⁰ Ag(2.24 m)	665.54(86), 1693.9(14.7), 2118.1(11)
750.7 3	0.148 25	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
750.76 13	0.83 14	¹²² In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
750.8 2	0.0075 21	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
750.8 3	0.30 9	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 750.8 8	0.16 5	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
750.8 6	0.129 13	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
750.8 5	†4.8	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
750.8 2	0.20 5	¹⁹⁵ Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
750.87 20		¹¹⁸ Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
750.87 20		¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
750.9 3	0.79 7	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
750.9 2	0.064 9	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
• 750.95 20	0.0372 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
750.96 15	†25	¹⁹² Re(16 s)	467.47(†100), 489.039, 283.2668
751	0.057 25	⁶⁰ Cu(23.7 m)	1332.501(88), 1791.6(45.4), 826.06(21.7)
751.0 5	0.07 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
751.0 20	0.015 3	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
751.0	0.015 7	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
751.0 3	0.76 12	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
751.0 2	0.32 5	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
751.0 3	0.035 12	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
751.03 10	0.060 9	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 751.068 14	2.14 5	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
751.1 5	†1.50 20	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
751.1 4	†1.5 2	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
751.23 13	†3.1 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
751.28 23	3.2 8	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
751.30 20	0.00108 22	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
751.32	†7.2 6	³⁷ P(2.31 s)	646.17(†100), 1582.9(†74.4), 2254.1(†8.2)
751.4	0.7	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
751.4 3	0.42 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
751.4 5	0.20 6	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
751.4 4	7.3 6	¹⁶⁸ Ta(2.0 m)	124.0(35.6), 261.6(22.7), 907(5.0)
751.4 3	1.09 9	¹⁹⁰ Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
751.5 4	4.1 4	¹¹⁰ Sb(23.0 s)	1211.87(92), 985.03(31.2), 1243.6(13.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
751.5 10	3.6	^{124}Ba (11.9 m)	169.3(20), 1216(12), 188.98(10)
751.5 3	0.158 16	^{228}Fr (39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
751.51 10	6.9 5	^{81}Ge (7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
751.51 10	0.8 5	^{81}Ge (7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
751.59 6	1.06 7	^{204}Po (3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
751.6 1	0.31 4	^{61}Zn (89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
751.6 5	0.115 23	^{115}Ag (20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
751.6 3	†1.6 4	^{185}Pt (33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
751.6 4	0.46 9	^{207}Rn (9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
751.6 6	0.0024	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
751.62 25		^{191}Au (3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
• 751.637 18	4.33 4	^{140}La (1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
751.637 18	0.032 3	^{140}Pr (3.39 m)	1596.210(0.50), 306.9(0.151), 925.189(0.0260)
751.65 7	0.0421 25	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
751.7 3	1.53 10	^{144}La (40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
751.73 15	1.28 13	^{121}Cd (8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
751.74 3	97.8 24	^{86}Nb (88 s)	914.81(78.1), 1003.24(37.4), 670.01(14.9)
751.753 15	0.049 1	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
751.8 2	8.1 5	^{65}Ga (15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
751.80 17	0.039 9	^{112}Ag (3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
751.88 4	0.24 4	^{158}Eu (45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
751.9 1	0.30 3	^{107}Tc (21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
752	†0.5	^{120}I (81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
752.04 5	0.374 17	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
752.06 4	0.82 3	^{246}Am (25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 752.09 10	0.075 12	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
752.1 3	0.00116 16	^{90}Rb (258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
752.1 3	0.050 6	^{90}Rb (158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
752.1 4	0.35 5	^{161}Tm (33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
752.15 12	99.7 60	^{48}Mn (158.1 ms)	1106.25(39.2), 3676.2(30.4), 3934.1(22.9)
752.15 12	†167	^{49}Fe (75 ms)	
752.17 6	2	^{168}Lu (6.7 m)	198.82(28), 979.22(20), 896.12(15)
• 752.285 13	12.29 5	^{166}Ho (1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
752.3 1	†8.0 8	^{153}Yb (4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
752.3 2	0.17	^{154}Pm (1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
752.3 2	<0.32	^{154}Pm (2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
752.4 2	0.059 10	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
752.42 11	5.2 11	^{31}Al (644 ms)	2316.7(18), 1694.93(10.4), 1564.3(4.2)
752.5 4		^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
752.5 4	†11.6 17	^{193}Tl (21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
752.57 10	0.174 14	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
752.6 5	>6	^{74}Zn (96 s)	56.7(70), 49.4(33.4), 143.5(21.7)
752.60 10	1.40 11	^{94}Y (18.7 m)	918.74(56), 1138.88(6.0), 550.88(4.9)
752.6 1	0.88 9	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
752.61 4	0.254 25	^{157}Eu (15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
752.69 15		^{223}Rn (23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
752.7 2	4.6 16	^{98}Y (2.0 s)	1223.0(80), 620.505(63), 647.58(53)
752.7 2	0.043 5	^{111}Ag (64.8 s)	245.422(0.50), 620.3(0.121), 171.28(0.12)
752.8 4	2.9 4	^{72}Br (78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)
752.8 5	0.009 5	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
752.8 2	1.7 2	^{148}Tb (2.20 m)	784.430(100), 631.947(95), 882.3(92)
752.8 2	1.49 7	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 752.82 8	1.28 9	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
752.84 3	0.14 4	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
752.85 10	0.0014	$^{239}\text{U}(23.45 \text{ m})$	74.664(48), 43.533(4.14), 662.24(0.18)
752.9 2	†2	$^{139}\text{I}(2.29 \text{ s})$	527.7(†100), 571.2(†98), 536.6(†67)
752.9 4	0.154 21	$^{187}\text{Au}(8.4 \text{ m})$	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
753.0 3	1.29 20	$^{65}\text{Ge}(30.9 \text{ s})$	649.7(33), 62.0(27), 809.1(21.5)
753.0 4	0.12 4	$^{111}\text{Pd}(5.5 \text{ h})$	70.44(8.3), 391.25(5.4), 632.80(3.6)
753.0 2	0.067 18	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
753.0 7	0.101 18	$^{167}\text{Lu}(51.5 \text{ m})$	29.66(14.4), 239.22(8.6), 213.19(3.6)
753.0 2	0.50 5	$^{184}\text{Au}(53.0 \text{ s})$	162.97(50), 272.98(40), 362.47(17.5)
753.06 3	2.45 23	$^{118}\text{I}(8.5 \text{ m})$	605.71(99), 600.71(92), 614.42(65)
753.061 4	0.043 6	$^{199}\text{Pt}(30.80 \text{ m})$	542.993(15), 493.772(5.59), 317.056(4.95)
753.1 9	0.23 12	$^{154}\text{Tb}(9.4 \text{ h})$	123.071(30), 247.925(22.1), 540.18(20)
753.1 2	0.146 21	$^{183}\text{Ir}(58 \text{ m})$	392.52(10.4), 228.70(6.9), 87.67(5.6)
753.11 6	0.130 7	$^{119}\text{I}(19.1 \text{ m})$	257.52(87), 635.86(2.69), 320.53(2.17)
753.11 5	†9.1 9	$^{160}\text{Ho}(5.02 \text{ h})$	728.18(†100), 879.383(†65.9), 962.317(†59.1)
753.11 5	4.3 4	$^{160}\text{Ho}(25.6 \text{ m})$	728.18(46.9), 879.383(26.6), 962.317(25.6)
753.16 23	1.56 9	$^{156}\text{Ho}(56 \text{ m})$	266.35(54.7), 137.83(51), 366.25(10.73)
753.19 14	0.075 9	$^{98}\text{Nb}(51.3 \text{ m})$	787.374(93), 722.645(73.8), 1168.830(17.8)
753.2 3	0.29 5	$^{149}\text{Dy}(4.20 \text{ m})$	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 753.2 3	0.025 7	$^{190}\text{Ir}(11.78 \text{ d})$	186.718(52.4), 605.24(39.9), 518.55(34.0)
753.23 14	0.135 18	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
753.26 2	2.22 6	$^{145}\text{Cs}(0.594 \text{ s})$	175.36(20), 198.93(10.9), 112.46(10.71)
• 753.3 4	0.09 3	$^{83}\text{Sr}(32.41 \text{ h})$	762.65(30), 381.53(14.1), 418.37(4.41)
753.3 3	1.45 12	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
753.3 2	0.33 11	$^{133}\text{Te}(55.4 \text{ m})$	912.671(55.28), 647.51(19.4), 863.955(15.6)
753.35 9	0.152 14	$^{201}\text{Pb}(9.33 \text{ h})$	331.19(79), 361.27(9.9), 945.96(7.4)
753.37 8	3.90 10	$^{78}\text{Rb}(5.74 \text{ m})$	454.97(81), 664.44(38.3), 1109.72(13.12)
• 753.39 7	0.0096 14	$^{171}\text{Lu}(8.24 \text{ d})$	739.78(47.8), 19.394(13.7), 667.404(11.04)
753.4 2	2.2 11	$^{196}\text{Bi}(308 \text{ s})$	1049.21(87), 689.00(35.5), 776.6(9.1)
753.4 2	1.3 6	$^{196}\text{Bi}(308 \text{ s})$	1049.21(87), 689.00(35.5), 776.6(9.1)
753.41 7	3.3 3	$^{71}\text{Zn}(3.96 \text{ h})$	386.28(93), 487.38(62), 620.18(57)
753.5 4	0.092 24	$^{89}\text{Kr}(3.15 \text{ m})$	220.948(20.1), 586.03(16.6), 904.27(7.2)
753.55 10	†7.0 5	$^{165}\text{Lu}(10.74 \text{ m})$	132.49(†100), 120.60(†100), 174.25(†47.0)
753.6 2	0.71 17	$^{119}\text{Ag}(2.1 \text{ s})$	626.4(13), 366.2(12.1), 399.1(10.9)
753.65 5	0.0105 6	$^{223}\text{Fr}(21.8 \text{ m})$	50.13(36.0), 79.72(9.1), 234.81(3.0)
753.7	0.000174 19	$^{159}\text{Gd}(18.479 \text{ h})$	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 753.7 3	0.00087 22	$^{225}\text{Ac}(10.0 \text{ d})$	99.91(1.01), 150.04(0.80), 99.63(0.62)
753.75 7	2.49 20	$^{106}\text{In}(6.2 \text{ m})$	632.66(100), 861.16(92), 997.87(48)
753.76 25	0.25 10	$^{125}\text{Cd}(0.57 \text{ s})$	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
753.8 1	0.14	$^{48}\text{K}(6.8 \text{ s})$	3832.2(78), 780.25(31.0), 675.05(16.8)
753.8 2	†0.8 3	$^{101}\text{Nb}(7.1 \text{ s})$	276.10(†100), 157.466(†32), 13.5(†32)
753.8 8	0.013 3	$^{107}\text{Rh}(21.7 \text{ m})$	302.77(66), 392.47(8.8), 312.21(4.8)
753.8	0.046 18	$^{141}\text{Ba}(18.27 \text{ m})$	190.328(46.0), 304.194(25.4), 276.948(23.4)
753.8	0.030 15	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 753.819 13	4.16 9	$^{126}\text{I}(13.11 \text{ d})$	666.331(33.1), 1420.17(0.295), 2045.17(0.0046)
753.82 2	100 5	$^{128}\text{Sb}(9.01 \text{ h})$	743.22(100), 314.12(61), 526.57(45)
753.82 2	96.4 19	$^{128}\text{Sb}(10.4 \text{ m})$	743.22(96), 314.12(89), 787.86(7.1)
753.86 5	1.08 8	$^{204}\text{Bi}(11.22 \text{ h})$	899.15(98), 374.72(82), 984.02(59)
753.9 3	0.59 6	$^{121}\text{Xe}(40.1 \text{ m})$	252.7(13), 132.8(10.9), 445.2(7.7)
753.9 5	0.020 4	$^{137}\text{Pr}(1.28 \text{ h})$	836.7(1.8), 433.9(1.28), 514.0(1.08)
• 753.9 5	0.026 3	$^{146}\text{Eu}(4.59 \text{ d})$	747.2(98), 633.03(43), 634.07(37)
753.9 2	0.91 7	$^{159}\text{Eu}(18.1 \text{ m})$	67.8(19), 78.6(9.1), 95.7(7.0)
753.92 8	1.59 8	$^{199}\text{Pb}(90 \text{ m})$	366.90(44.2), 353.39(9.5), 1135.04(7.8)
• 753.98 3	0.075 3	$^{97}\text{Ru}(2.9 \text{ d})$	215.718(86), 324.48(10.79), 569.31(0.873)
754.0 4	0.40 4	$^{109}\text{In}(4.2 \text{ h})$	203.5(74), 623.7(5.5), 1148.9(4.3)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
754.0 2	0.22 4	¹⁴³ Eu(2.63 m)	1107.3(8), 1536.8(3.29), 1912.7(2.13)
• 754.0 4	0.050 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
754.0 2	0.12 3	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
754.0 5	1.44 19	¹⁹⁶ Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
754.0 6	0.0105 6	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 754.0 6	†0.0063 19	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
754.0 3	0.48 12	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
754.1 8	†4.0 12	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
754.2 2	0.0093 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
754.2 2	0.082 12	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
754.2 6	0.27 6	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
754.24 8	0.0142 24	¹³⁹ Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 255.11(0.236)
754.25 12	0.423 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
754.291 21	0.039 3	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
754.3 7	0.61 14	¹⁷⁶ Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
• 754.4 3	0.0015 7	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
754.40 9	0.205 18	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
754.4 2	0.44 5	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
754.5 5	0.50 21	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
754.5 4	0.034 12	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
754.54 23	0.28 7	¹⁰⁰ Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
754.6 2	0.034 6	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
754.6 2	†7.2 4	²⁰¹ Po(8.9 m)	967.4(†100.0), 964.3(†85), 411.9(†33.0)
754.7 2	0.12 5	⁹⁴ Sr(75.3 s)	1427.7(94), 723.8(2.40), 703.9(2.13)
754.7 1	1.8 3	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
754.7 4	0.05 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 754.7 2	0.51 3	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
754.7 2	4.2 3	²³² Np(14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
754.73	41 4	⁴⁰ Sc(182.3 ms)	3736.50(100), 2044.65(25.4), 1876.78(24.9)
754.73 32	0.84 18	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
754.79 7	0.23 2	²⁹ Al(6.56 m)	1273.367(90.6), 2425.907(5.7), 2028.12(3.7)
754.79 7	0.0039 3	²⁹ P(4.140 s)	1273.367(1.549), 2425.907(0.097), 2028.12(0.063)
754.8 8	0.0066 25	⁶³ Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
• 754.8 7	0.0027	¹¹¹ Ag(7.45 d)	342.118(7), 245.422(1.24), 96.73(0.20)
754.8 4	1.2 3	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
754.8 3	0.56 8	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
754.8 3	0.024 8	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
754.8 3	0.707 19	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
754.80 15	23.3 15	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 215.07(21), 688.44(21.2)
754.85 5	0.233 24	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
754.86 19	0.135 18	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 754.86 15	0.055 5	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 754.96 7	0.527 10	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
755.0 10		⁷⁶ Zn(5.7 s)	281.7, 1030.6, 831.2
• 755.0 5	0.0005 5	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
755 1	18 9	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 634.00(13)
755.0 6	0.025 13	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
• 755 1	0.0068 22	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 755.0	0.019	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
755.0 5	0.14 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 755		¹⁸⁵ Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
755.0 1	1.22 6	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
755.0 1		²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
755 2	†100	²⁴³ Bk(4.5 h)	946(†80), 840(†30), 87.4

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 755.01 10	2.07 8	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
755.08 9	0.49 4	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
755.1 5	0.55 11	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
755.1	†2.6	¹⁹³ Pb(5.8 m)	365.2(†100), 392.2(†20.7), 716.4(†6.7)
755.2 2	1.81 15	⁸² As(19.1 s)	654.6(15), 1731.3(4.1), 1080.3(1.69)
755.2 3	0.46 6	¹³⁶ Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
755.2 8	1.9 8	¹⁹⁶ Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
• 755.3 1	0.0054 7	⁵⁷ Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
755.315 4	1.01 5	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
755.315 4	1.31 9	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
755.32 6	1.34 12	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
755.34 12	†63	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 755.397 9	1.67 3	⁷⁷ Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
755.4 3	5.1 3	¹¹¹ Sb(75 s)	154.48(71), 489.1(42), 1032.6(10.0)
755.4 3	0.71 6	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
755.57 3	1.30 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
755.57 10	2.03 9	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
755.6 3	†16 4	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
755.7	0.06	⁴³ Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
755.7 5	0.047 14	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
755.7 3	0.18 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
755.73 16	0.070 10	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
755.76 10	0.312 17	⁸² Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
755.77 20	0.101 21	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
755.78 16	0.0057 20	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
755.8 2	0.163 16	²²⁶ Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
755.81 15	0.85 12	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
755.83 7	0.218 20	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
• 755.84 16	0.121 16	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
755.89 4	1.50 9	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
755.90 30	0.028 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 755.90 5	†7.60×10 ⁴ 23	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
756.0 15	0.11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
756.00 20	0.172 20	⁸¹ As(33.3 s)	467.72(20), 491.20(8.5), 521.10(1.40)
756.0 2	1.12 10	⁹² Rb(4.492 s)	814.98(33), 2820.6(6.2), 569.8(5.6)
756.0	1.0	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
756.0 2	1.1 4	⁹⁷ Y(3.75 s)	3287.6(18.1), 3401.3(14.1), 1996.6(7.4)
756.0 2	3.7 4	⁹⁷ Y(1.17 s)	1103.0(92.6), 161.4(71.8), 1091(56)
756 1	†3.7	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
756.0 12	†31 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
756.0 3	0.68 7	²⁰⁰ Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
756 1	13.3 11	²⁴⁶ Am(39 m)	679.0(53), 205.0(36), 152.9(25)
• 756.121 88	0.0054 8	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 756.15 20	0.0202 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
756.17 5	0.87 17	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
756.17 7	0.218 17	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 756.22 5	2.8×10 ⁻⁶ 5	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
756.23 8	100 3	⁹⁴ Rh(25.8 s)	1430.50(100), 311.70(97.3), 146.11(75)
756.23 8	51 5	⁹⁴ Rh(70.6 s)	1430.50(100), 1072.50(30.7), 311.70(12)
756.23 8		⁹⁵ Pd(13.3 s)	146.11, 311.70, 1430.50
756.4 4	0.036 14	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
756.4 3	0.49 7	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
756.4 2	0.14 4	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
756.4 3	0.479 17	²³⁵ Pu(25.3 m)	49.10(2.36), 34.23(0.23), 910.1(0.164)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
756.5 3	1.99 16	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
756.5 2	0.135 18	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
756.51 5	0.085 10	¹⁴¹ Pm(20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
756.51 10	2.1 2	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
• 756.512 26	0.113 7	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
756.52 20	1.25 7	⁶⁴ Ga(2.630 m)	991.52(43), 807.86(13.65), 3365.86(13.1)
756.53 8	13 3	⁸⁰ Y(35 s)	385.86(100), 595.06(39), 1185.20(20)
• 756.581 12	0.304 7	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 756.6 5	0.0016 5	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
756.6 1	0.167 7	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
756.7 1	0.517 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
756.7 2	†2.55 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 756.729 12	54	⁹⁵ Zr(64.02 d)	724.199(44.17), 235.69(0.294)
• 756.763 6	4.57 3	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
756.763 6	2.66 16	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
756.763 6	0.33 7	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
756.763 6	1.6 5	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
756.8 4	0.33 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
756.82 18	0.63 4	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 756.895 9	6.7×10^{-7} 20	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
756.9 2	4.0 4	⁷¹ Br(21.4 s)	260.5(8.0), 233.7(6.5), 171.6(6.2)
756.9 3	0.086 22	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
756.9 2	0.172 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
756.9 2	0.0084 9	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 756.9 2	†0.049	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 756.9 2	†0.012 3	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
757 1	0.085 14	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
757.0 5	1.18 16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 757.0 2	0.00047 14	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
757.1 3	0.5	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
• 757.10 13	<0.0016	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
757.1 5	†10.3 14	²⁰⁶ Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
757.13 10	0.201 13	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
757.15 13	0.41 18	¹⁴⁸ Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
757.2 7	18 4	¹⁷² Ho(25 s)	133.6(36), 178.0(23), 291.1(16)
• 757.21 8	0.39 4	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
757.3 4	0.59 9	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
757.3 3	1.0 1	¹¹⁷ Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
757.3 2	†4.2 8	¹⁵³ Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
757.31 17	0.64 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
• 757.379 16	0.062 4	¹⁸⁴ Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
757.4 5	†3.0	¹⁰⁷ Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
757.5	1.7 2	³⁶ P(5.6 s)	3290.7(100), 901.8(70.4), 1638.2(35.3)
757.5 1	0.94 6	⁴⁸ K(6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)
757.5 2	†3.4 3	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
757.6 2	0.028 20	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
• 757.60 15	0.114 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
757.7 5	0.28	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
757.798 17	2.33 5	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
757.8 2	0.076 11	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
757.8 4	0.042	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
757.87 6	0.205 17	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
757.9 3	0.041 16	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
757.90 20	0.09 3	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
757.95 5	0.040 4	⁹⁰ Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
758		¹²⁹ Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
758.0 15	0.0034 19	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
758.0 10	0.39 10	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
758.07 15	0.084 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 758.13 6	0.047 4	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
758.2 3	5.5 14	⁸⁰ Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
758.2 2	†3.0 8	¹¹⁴ Cs(0.57 s)	449.7(†100), 698.2(†11.8), 618.3(†5.0)
758.2 3	0.21 5	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
758.2 3	†1.55 23	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
758.2 5		¹⁸⁸ Pb(24.2 s)	185.0
758.2 8	0.034 17	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
758.25 10	0.0510 23	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
758.330 24	0.0597 22	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 758.358 10	0.0443 17	¹⁹⁶ Au(6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
758.5 6	5.7 5	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
758.5 6	5.5 5	⁸¹ Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
758.5	0.19	⁸³ Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
758.5 4	0.16 3	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
758.5 10	0.05 3	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
• 758.5 4	0.009 2	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
758.57 11	0.115 12	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
758.6 1	10.0 7	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
758.61 8	1.18 3	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 758.61 8	0.009	²⁴⁰ Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
• 758.61 8	1.27×10 ⁻⁵ 10	²⁴⁴ Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10 ⁻⁷)
758.65 8	0.0155 16	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 758.7 1	0.0054 11	²²⁵ Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
758.73 7	0.17 3	¹⁰⁶ In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
• 758.74 8	0.071 12	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
758.75 9	0.82 17	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
758.76 5	0.00094 5	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
758.76 5	6.4 8	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
758.8 3	0.20 7	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
758.9 3	0.059 20	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
758.9 1	0.247 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
758.94 9	0.00070 15	¹³⁵ La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
758.96 5	†20.6 6	¹⁴⁴ Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 559.57(†20.2)
758.99 20	0.047 8	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
759 1	0.12 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
759.0 5	0.57 8	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
759.01	0.27	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
759.04 13	0.16 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
759.06 9	1.65 3	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
759.08 19	†11.9 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
759.08 19	0.43 4	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
• 759.1 4	0.41 8	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
759.1 7	0.16 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
759.1 1	0.88 9	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
759.1 3	0.101 20	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
759.1 7	†6.5 15	¹⁹³ Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
• 759.10 4	0.103 5	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 759.10 7	0.51 4	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 759.110 28	0.0148 16	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
759.15 20	2.4 4	^{181}Os (105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 759.18 4	0.0234 14	^{171}Lu (8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
759.2	0.14	^{185}Ir (14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
759.32 18	0.43	^{148}Pr (2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
• 759.38 10	$\dagger 1.67 \times 10^4$ 9	^{241}Am (432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
759.4 3	$\dagger 8$	^{179}Os (6.5 m)	65.39($\dagger 100$), 218.6($\dagger 17$), 32.3($\dagger 17$)
759.41 9	0.232 13	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
759.5 1	0.085 5	^{107}Ru (3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
759.5 5	1.08 4	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
759.5 2	0.144 10	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
759.5 4	1.75 25	^{186}Ta (10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
759.50 10	$\dagger 112$ 9	^{200}Au (18.7 h)	497.77($\dagger 123$), 367.943($\dagger 123$), 579.298($\dagger 121$)
759.51 2	0.48 4	^{145}Cs (0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 759.57 9	0.077 7	^{150}Eu (35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
759.59 4	0.640 20	^{246}Am (25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
759.6 2	1.20 12	^{101}Zr (2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
759.6 4	0.099 21	^{162}Tm (21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
759.6 3	1.45 13	^{198}Tl (5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
759.63 7	0.51 8	^{186}Ir (16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
759.70 8	33 3	^{122}Ag (0.48 s)	569.45(96), 650.20(20), 798.4(12)
759.70 8		^{122}Ag (1.5 s)	569.45
759.74 5	0.336 12	^{145}Ce (3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
759.8 1	$\dagger 100.0$ 9	^{129}Sb (17.7 m)	657.78($\dagger 92$), 433.76($\dagger 73$), 63.6($\dagger 10$)
759.8 5	1.50 22	^{174}Re (2.40 m)	243.4(37), 113.0(19.8), 1002.9(5.62)
759.82 6	0.59 8	^{77}Zn (2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
759.87 6	3.15 10	^{110}In (4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
759.9 2	$\dagger 1.33$ 10	^{129}Ba (2.17 h)	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
759.9 2	0.135 21	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
760.0 2	0.55 11	^{108}In (58.0 m)	875.46(100), 632.96(100), 242.84(41)
760.0 5	0.033 19	^{122}Cs (21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
• 760.0 1	0.00067 7	^{177}Ta (56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
760.0 4	$\dagger 1.70$ 20	^{182}Ir (15 m)	273.23($\dagger 100$), 126.79($\dagger 77$), 236.3($\dagger 21.0$)
• 760		^{243}Cm (29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
• 760	0.020	^{249}Cf (351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
760.1 2	$\dagger 25$ 3	^{227}Rn (22.5 s)	162.14($\dagger 100$), 739.2($\dagger 65$), 686.2($\dagger 62$)
760.2 2	3.30 24	^{48}Mn (158.1 ms)	752.15(99.7), 1106.25(39.2), 3676.2(30.4)
760.2 5	0.25 13	^{70}As (52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
760.2 3	0.18 6	^{128}In (0.84 s)	1168.80(40), 935.20(6.5), 1089.53(6.0)
760.2 3	0.53 15	^{128}In (0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
• 760.2 3	2.6×10^{-5} 6	^{153}Sm (46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
• 760.24 24	8.2×10^{-7} 21	^{169}Yb (32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
• 760.3 5	0.046 20	^{119}Te (4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
760.3 10	0.05 3	^{140}Cs (63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
760.30 6	8.6 4	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 601.88(7.62)
760.3 2	0.12	^{227}Ra (42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
760.3 10	$\dagger 1.56 \times 10^3$ 15	^{234}Pa (1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
760.4 3	0.47 7	^{148}Ho (9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
760.4 2	0.017 3	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
760.4 3	0.052 6	^{177}Yb (1.911 h)	150.392(20.3), 1080.21(5.6), 1241.2(3.47)
760.5 2	1.27 13	^{97}Sr (426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
760.5 5	0.65 23	^{104}In (1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
760.50 4	0.289 6	^{136}La (9.87 m)	818.514(2.3), 1322.76(0.264), 1310.31(0.099)
760.5		^{157}Eu (15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
760.5 5	0.150 21	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
760.53 15	†4.3 9	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 760.53 15	0.020 4	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
760.6 2	>0.07	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
760.6 3	†0.81 5	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
760.70 12	0.088 11	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
760.76 9	17.8 5	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
760.8 2	16.8 22	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 782.48(15)
760.8 3	0.085 14	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
760.8 2	10	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 778.4(10.1)
760.8 10	>0.07	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
760.85 20	0.00062 21	¹²³ I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
760.881 13	0.0672 25	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
760.9 6	0.25 12	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
• 760.95	0.10	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 760.95 4	0.21 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
761.0 5	3.8 3	¹²⁹ Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
761		¹²⁹ Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
761.0 2	0.072 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
761.01 8	1.04 7	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
761.04 16	0.196 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
761.1 3	†3.8 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
761.14 10	13.3 11	¹⁹⁷ Pb(8 m)	385.85(50), 375.48(12.8), 1261.23(8.3)
761.18	0.12 6	⁴⁴ K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
• 761.19 6	0.0075 9	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
761.2	0.15	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
761.3 8	0.109 20	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
761.3		¹⁵⁷ Lu(5.0 s)	967.5, 949.8, 880.5
761.4 1	0.574 10	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
761.4 1	0.539 17	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
761.42 15	0.17 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 761.43 4	0.0622 3	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
761.46 5	0.028 3	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
761.49 3	>4.7	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
761.5		⁹⁹ Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
761.5 2	0.6	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
761.5 4	0.11 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
761.59 8	0.56 4	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
761.6 2	9.0 13	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
761.61 10	33.8 18	⁶⁸ As(151.6 s)	1015.96(78), 651.12(32.1), 1777.70(20.1)
761.631 20	1.5 3	¹⁵⁵ Pm(41.5 s)	778.156(8), 725.123(5.30), 409.873(2.18)
761.65 5	>4.7	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
761.7 3	†0.20 3	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
761.7 4	†1.8 4	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
• 761.774 76	0.00112 10	⁹⁹ Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
761.8 2	17.2 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
761.8 2		¹⁶⁴ Ho(29 m)	73.392(2.0), 688.44
• 761.81 9	0.081 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
761.84 5	1.7 4	⁹⁸ Rh(8.7 m)	652.43(94), 745.36(5.3), 1817.0(4.7)
761.84 5	<8	⁹⁸ Rh(3.5 m)	652.43(96), 745.36(78), 1144.52(8.5)
761.85 8	0.072 7	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 761.864 25	0.51 9	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
761.89 15	0.190 22	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
761.9 2	0.0094 7	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
761.9		¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
761.97 12	1.48 5	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 1610.47(1.31)
761.98 7	2.24 11	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
762.0	0.19 3	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
• 762.03 9	0.028 5	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
762.06 6	0.64 7	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
762.1 8	0.5 3	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
762.1 15	0.41 7	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
762.2 1	1.26 10	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
762.2 2	1.5 3	¹³⁶ Pr(13.1 m)	552.16(76), 539.75(52), 1092.3(18.5)
762.2 3	0.20 9	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
762.2 5	0.0027 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 762.2 5	†0.016 3	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
762.22 3	0.055 11	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
762.3 2	50.0 23	⁹⁶ Pd(122 s)	124.70(65), 499.7(17.9), 1098.7(17.3)
762.3 3	0.052 9	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
• 762.3 1	0.192 9	¹³⁷ Ce(34.4 h)	824.82(0.44), 169.26(0.44), 835.38(0.103)
762.4 6	†1.2 3	⁷⁵ Ga(126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
762.4 7	0.045 9	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
762.4 3	0.28 4	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
762.4	†35	¹³⁰ Ce(25 m)	1072.6(†100), 997.7(†100), 920.5(†100)
762.4 4	0.38 5	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
762.4 2	0.65 3	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
762.45 3	0.325 11	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 762.48 2	0.230 22	⁶⁹ Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
762.49 2	11.5 3	²⁰⁴ Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
762.5 3	4.5 4	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
762.53 6	2.23 11	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 762.55 15	0.0278 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
762.58 17	0.040 6	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
• 762.60 15	0.0120 16	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
• 762.65 10	30	⁸³ Sr(32.41 h)	381.53(14.1), 418.37(4.41), 381.17(2.49)
762.69 3	0.36 6	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
762.7 2	0.024 12	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
762.7 6	0.033	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
762.7 2	†12	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
762.72 4	1.73 13	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
762.73 20	0.71 7	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
762.80 30	0.019 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
762.8 2	0.12 3	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
762.86 15	0.74 6	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
762.9 3	0.40 8	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
762.9 3	0.92 12	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
762.9 3	0.07 3	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
763.0 3	0.045 6	¹⁴⁴ Eu(10.2 s)	1659.8(10), 817.7(1.56), 2423.3(0.96)
763	1.0 2	²¹¹ Fr(3.10 m)	539.9(20), 918.3(11), 281(6.8)
763.1 3	0.32 3	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
763.13 8	1.81 5	²⁰⁸ Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
763.14 4	99	¹¹⁹ In(2.4 m)	23.870(16.0), 697.47(0.49), 1214.86(0.46)
763.2 5	0.173 22	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
763.2 4	3.5 5	¹²⁰ I(53 m)	560.44(100), 601.11(87), 614.62(67)
763.2 2	†44 6	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
763.2 2	†44 6	¹³⁴ Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
763.2 1	0.189 9	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
763.24 6	0.08 3	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
763.3 2	†2	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
763.3 3	0.17 3	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
763.38 11	0.049 7	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
763.4 4	0.38 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
763.4 7	0.09 3	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
763.5 3	0.41 8	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
763.6 2	0.23 5	⁷⁴ Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
• 763.61 2	2.2×10^{-8}	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
763.66 15	†9	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 763.7 8	0.07 4	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
763.8 5	†8	⁹⁹ Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
• 763.8 6	3.3×10^{-5} 18	¹⁵³ Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
763.8 8	0.60 4	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
763.85 14	0.55 9	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
763.9 3	10.4 10	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
763.90 15	0.081 12	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 763.9 3	$\dagger 2.0 \times 10^3$ 6	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000 $\times 10^9$), 33.195(†6000 $\times 10^8$)
• 763.91 15	0.031 7	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 763.944 3	22.14 9	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
763.944 3	0.17	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
763.95 4	0.52 4	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
764	†0.5	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
764.03 19	†12.5 10	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
764.1 5	0.6	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
764.1 3	†5.0 15	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
764.17 10	0.0076 16	¹²⁵ Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
764.20 10	3.88 19	²⁵⁰ Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
764.23 10	0.35 4	¹¹⁸ Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
764.23 10	1.91 16	¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
764.27 20	0.17 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
764.3 3	0.16 4	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
764.3	0.14 3	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
764.3 2	0.9 3	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
764.316 10	<0.3	¹³ B(17.36 ms)	3683.921(7.6), 3089.049(<0.7), 3853.170(<0.5)
764.4 7	2.1 4	⁹⁵ Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)
764.4 5	0.23 6	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
764.4 4	0.12	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
764.42 16	3.55 4	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
764.5 2	†71 8	⁹⁴ Kr(0.20 s)	629.2(†100), 219.466(†67.4), 358.8(†39.4)
764.5 3	0.7 3	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
764.5 3	0.117 18	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
764.5 3	0.360 22	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
764.52 10	0.41 4	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
764.6 1	0.70 7	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
764.7 1	0.7 4	⁷³ Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
764.7 2	0.0118 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
• 764.74 4	1.68 9	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
764.79 5	1.26 10	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
764.8 5	0.029 11	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
764.8 1	1.594 25	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
764.8 2	0.064 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
764.8 2	0.20 4	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 764.82 6	0.009 4	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
764.89 16	10.5 6	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 415.61(8.5)
764.9 6	0.40 5	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
764.9 5	0.64 4	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
764.9 6	0.15 8	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
764.9 5	0.22 9	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
764.9 6	0.49 15	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
764.9 3	0.13 3	¹⁸⁸ Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
• 764.905 9	0.175 8	¹⁵² Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
764.905 9	†69 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
764.905 9	0.012 12	¹⁵² Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
764.984 16	0.0170 14	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
765 1	1.9 5	¹⁶⁴ Ta(14.2 s)	211.05(74), 376.8(22), 605.0(14)
765.0 5	†3.1 6	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 765 2	0.010 5	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
765.03 10	0.57 4	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
765.07 12	0.1417 22	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
765.1 7	0.09 3	⁹⁰ Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
765.1 7	0.0011 6	⁹⁰ Rb(158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
765.1	0.0075 18	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 765.12 30	0.019 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
765.19 12	0.26 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
765.2 4		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
765.28 10	6.0 4	¹²¹ Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
• 765.28 4	2.128 15	¹⁶⁰ Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
765.28 4	†11.8 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
765.28 4	5.1 4	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
• 765.3 5	0.027 15	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
765.3	†4	²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
• 765.30 10	0.183 16	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
765.37 9	0.50 6	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
765.40 6	0.192 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
765.4	>0.037	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
765.46 6	4.67 25	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
765.5 5	0.13 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
765.5 3	1.92 19	¹⁵³ Tm(1.48 s)	299.3(6), 965.3(0.82), 205.2(0.61)
765.5 2	0.97 15	¹⁷⁰ Ta(6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
765.5 10	0.13 5	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
765.5 3	0.45 6	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
765.51 8	0.035 7	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
765.551 13	0.0150 8	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
765.66 21	†3.4 4	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
765.7 5	0.0066 25	⁶³ Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
765.7 5	0.028 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
765.7 2	0.012	¹⁹⁹ Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
• 765.794 7	100	⁹⁵ Nb(34.975 d)	204.117(0.028), 561.67(0.013)
765.794 7	93.82 19	⁹⁵ Tc(20.0 h)	1073.71(3.74), 947.67(1.951), 869.60(0.317)
765.8 7	0.058 11	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
• 765.8 2	0.00149 25	¹⁹² Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
• 765.81 10	11.3 6	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
765.85 7	0.228 14	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 765.89 6	0.0057 8	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
765.9 15	0.19 6	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
765.9 3	0.164 23	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
765.9 3	0.1	⁹⁷ Rb(169.9 ms)	815.0(100), 692.0(16.5), 414.3(15.0)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
765.9 2	2.06 10	^{148}Ho (9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
765.94 5	0.085 7	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
766.0		^{52}V (3.75 m)	1434.068(100), 1333.649(0.588), 1530.67(0.116)
766.0 9	0.05 3	^{91}Kr (8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
766.0 1	0.0025 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
766.0 4	0.08 2	^{214}Pb (26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
766.10 17	0.106 13	^{103}Ag (65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
766.10 12	0.146 14	^{138}Cs (33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
766.12 5	0.117 3	^{159}Ho (33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
766.15 15	0.19 3	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 766.171 17	0.0416 23	^{77}Br (57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
766.3		^{152}Tb (17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
• 766.3 5	†0.019 4	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
766.3 3	>0.10	^{249}Es (102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
766.38 2	0.07 3	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
766.38 2	294000 12	^{234}Pa (1.17 m)	1001.03(†837000), 742.81(†80000), 258.23(†72800)
• 766.38 2	0.584 29	^{234}Np (4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 766.38 2	0.000022 2	^{238}Pu (87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
766.4 3	0.012 3	^{85}Br (2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
766.4 3	†0.31 5	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
766.4 2	0.178 4	^{143}La (14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
766.4 10	0.036 8	^{146}Pr (24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
766.4 1	†0.63 12	^{158}Ho (11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
• 766.467 14	1.3×10^{-7} 2	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
766.5 5	0.35 8	^{57}Cr (21.1 s)	83.16(8.3), 850.2(8.2), 1752.1(5)
766.5 1	0.030 4	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
766.51 3	0.617 15	^{211}Pb (36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
766.59 15	0.35 5	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
766.6 2	†6.2 5	^{195}Bi (183 s)	807.6(†100), 831.7(†100), 776.2(†95)
766.64 5	0.0237 18	^{223}Fr (21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
766.675 35	4.1 3	^{134}I (52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
766.7 3	2.1 4	^{76}Rb (39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
766.7 2	1.3 7	^{103}Zr (1.3 s)	248(100), 164.05(94), 126.30(84)
766.72 3	0.787 16	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
766.76 12	0.162 17	^{89}Rb (15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
766.8 5	0.05 4	^{44}K (22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
766.8 5	0.20 4	^{96}Rh (9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
766.8 5	0.39 12	^{96}Rh (1.51 m)	832.57(39), 1098.51(8.9), 1692.2(7.0)
766.8 6	0.8 3	^{110}Sb (23.0 s)	1211.87(92), 985.03(31.2), 1243.6(13.4)
766.80 20	0.44 3	^{112}Sb (51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
• 766.8 2	0.075 8	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 766.83 10	0.025 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 766.84 6	33.9 20	^{102}Rh (2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
766.85 18	1.1 3	^{105}In (5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
766.9 3	0.40 20	^{149}Pr (2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
766.9 2	†92 9	^{174}Er (3.3 m)	100.4(†100), 708.4(†93), 151.8(†91)
766.97 20	0.18 10	^{193}Hg (11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
767 1	0.0037 18	^{136}La (9.87 m)	818.514(2.3), 760.50(0.289), 1322.76(0.264)
• 767.00 10	$\dagger 5.00 \times 10^4$ 15	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000 $\times 10^8$), 33.195(†6000 $\times 10^8$)
767.01 17	†5 1	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 767.1 3	0.199 14	^{47}Ca (4.536 d)	1297.09(74), 489.23(6.5), 807.86(6.5)
767.1 3	0.00061 6	^{81}Se (57.28 m)	275.988(0.049), 260.21(0.048), 491.30(0.000089)
767.1 5	0.35 9	^{117}Ag (72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
767.1 6	0.043 18	^{161}Er (3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
767.1 5	0.131 22	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
767.164 8	0.35 7	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
767.17 12	0.79 8	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
767.2 5	0.22 4	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
767.20 2	29.0 12	¹³⁴ Te(41.8 m)	210.465(22.3), 277.951(20.9), 79.445(20.9)
767.28 8	3.16 16	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
• 767.29 4	1.4×10^{-7}	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
767.3 2	†3.9 6	¹⁹⁸ Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
767.30 7	0.332 10	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
767.40 19	3.6 4	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 535.61(3.46)
767.4 8	2.0 3	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
767.49 8	†1.70 17	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
767.5 3	1.15 9	¹⁴¹ Sm(10.2 m)	403.8(43), 438.8(37.7), 1292.6(6.8)
• 767.508 14	0.0255 25	¹⁸⁶ Re(90.64 h)	137.155(8.22), 630.354(0.0230), 333.4(0.000058)
767.508 14	5.2 3	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
767.508 14	21.2 18	¹⁸⁶ Ir(2.0 h)	137.155(27), 630.354(18.0), 773.276(13.5)
• 767.55 4	0.34 3	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
• 767.586 20	0.703 10	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
767.6 1	>0.037	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
767.6 1	†9.0 9	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
767.63 13	2.4 3	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
767.69 3	0.20 3	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
• 767.70 6	0.0032 3	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
• 767.7 5		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
767.7 5	0.48 19	¹⁷⁸ Re(13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
767.7 4	0.51 10	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
767.72 8	0.011	¹⁰⁴ Rh(42.3 s)	555.796(2.0), 1237.2(0.066), 1238.0(0.010)
767.72 8	0.0065 3	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 1237.2(0.0042), 758.76(0.00094)
767.72 8	65.7 19	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 941.7(25.0), 926.2(12.5)
767.72 8	0.9 3	¹⁰⁴ Ag(33.5 m)	555.796(91), 1238.0(3.87), 2276.7(2.46)
767.8 1	1.44 8	⁷³ Ga(4.86 h)	297.32(79.8), 325.70(11.17), 739.42(4.23)
767.8 5	0.21 3	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
767.8 6	†8.3 9	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
767.8 2	0.0045 5	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
767.8 4	0.0016 6	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
767.89 6	0.296 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
767.93 2	0.37 8	²⁰⁴ Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
767.94 13	†3.5 7	¹⁸⁷ Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
768.0 4	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
768.1 1	0.0038 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
768.1 1	10	¹⁴² Eu(2.34 s)	1658.1(1.75), 1754.1(1.49), 1754.1(1.33)
768.1 1	100	¹⁴² Eu(1.22 m)	1023.3(92.0), 556.6(86.6), 1016.1(11.0)
768.1 2	3.3 7	¹⁷⁶ Re(5.3 m)	240.17(48), 109.08(25.0), 848.7(4.0)
768.1 2	†12	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
768.172 21	0.060 5	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
768.2 2	†18	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
768.2 5	0.16 4	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
768.2 10	0.33 7	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 768.2	2.9×10^{-5}	²⁵³ Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
768.27 7	0.0056 11	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
768.28 17	0.15 3	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
768.3	4.3 8	³⁵ Si(0.78 s)	4100.7(36.5), 3859.5(32.7), 2386.3(31.6)
768.3 10	0.32 11	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
768.3 2	0.14 3	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
768.3 3	0.50 3	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
768.356 10	4.80 7	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
768.36 12	2.1 3	⁶³ Ga(32.4 s)	637.04(11), 627.10(10.3), 192.94(5.7)
768.36 23	0.115 19	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
768.382 18	0.460 12	¹³³ I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
768.43 5	†1.08 9	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
768.5 10	†0.030 25	⁸⁵ Sr(67.63 m)	151.159(†1272), 129.820(†15), 731.812(†1.45)
768.52 6	0.68 10	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
• 768.56 7	0.087 4	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
768.6 8	1.30 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
768.6 2	0.7 2	¹⁰⁴ Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
768.6 4	0.41	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
768.6 3	0.28 9	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
768.61 7	2.68 18	¹⁹⁰ Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
768.61 7	2.19 22	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 768.61 7	2.21 9	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
768.7 2	1.27 11	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
768.7 4	1.04 16	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
768.72 6	0.25 13	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
768.77 3	3.4 3	¹⁰⁰ Nb(1.5 s)	535.60(45.7), 528.24(9.1), 159.547(8.8)
768.77 3	8.8 18	¹⁰⁰ Nb(2.99 s)	535.60(97.0), 600.5(65.0), 1280.6(23.8)
768.77 5	0.0042 5	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 768.77 5	0.0028 3	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
768.80 9	0.0329 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
768.9 2	0.21 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
768.90 20	0.81 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
768.91 8	†279 22	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 208.08(†254)
768.91 8		¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
768.93 9	0.061 5	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
• 768.93 6	0.0035 3	¹⁸⁵ Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
• 768.947 9	0.090 8	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
769	†100	⁹² Br(0.343 s)	1446(†10), 1035(†6), 678(†6)
769.0 2	4.4 3	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
769.0 2	†21	⁹⁶ Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
769.0 1	†2.95 20	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
769.0 3	0.65 10	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
769.0 2	0.076 11	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
769		²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
769.01 5	0.00072 7	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
769.1 2	0.70 5	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
769.1 2	0.276 18	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
• 769.10 8	0.106 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
769.1 1	0.185 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 769.19 4	5.1×10^{-6} 10	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
769.20 18	0.52 4	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
769.21 10	†3.3 3	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
769.24 18	1.7	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
769.26 7	1.71 17	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
769.30 15	0.109 25	¹¹⁹ Te(16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
769.3 3	9.1 9	¹²⁹ In(0.61 s)	2118.0(45), 1865.0(32), 1008.3(6.0)
769.3 3	0.14 5	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
769.34 5	2.08 12	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
769.4 5	0.16 4	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
769.4 1	0.752 18	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
769.42 24	0.16 5	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
769.5 4	0.021 14	^{81}Sr (22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
• 769.55 4		^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
769.59 10	0.151 3	^{73}Se (39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
769.6 4	0.083 22	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
769.6 1	0.393 20	^{251}Fm (5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
769.69 19	6.5 6	^{89}Nb (1.18 h)	587.83(100), 507.4(85), 1277.5(1.6)
769.7 10	0.30 6	^{85}Y (4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
769.7 3	†10 1	^{117}Pd (4.3 s)	247.5(†100), 649.9(†41), 323.9(†37)
• 769.7 5		^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
769.7 5	0.030 10	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
769.72 16	†11 2	^{181}Pt (51 s)	289.29(†100), 111.97(†100), 230.15(†92)
769.780 8	0.90 7	^{184}Ta (8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 769.780 8	0.666 21	^{184}Re (38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 769.780 8	0.235 16	^{184}Re (169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
769.8 2	†13	^{139}I (2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
769.8 1	1.76 18	^{188}Tl (71 s)	412.7(88), 592.0(61), 504.2(23.3)
769.80 10	0.035 4	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
769.84 18	2.5 4	^{197}Pb (8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
769.85 4	0.54 4	^{158}Eu (45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
• 769.859 9	6.8×10^{-6} 12	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
769.9 2	0.114 20	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
770.0 3	1.48 23	^{118}I (8.5 m)	605.71(99), 600.71(92), 614.42(65)
770.0 2	0.66 8	^{138}Pr (2.12 h)	1037.8(101), 788.742(100), 302.7(80)
770.0 3	0.36 7	^{139}Sm (2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
770.0 3	0.8 3	^{152}Ho (49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
770.0 2	†5.7 5	^{185}Hg (21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 770	0.026	^{249}Cf (351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
770.1 8	0.030 11	^{157}Dy (8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
770.10 17	4.5 3	^{186}Tl (27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
770.18 12	0.056 9	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 770.2 3	0.025 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
770.2 10	0.53 11	^{164}Tb (3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
770.2 3	0.16	^{170}Hf (16.01 h)	164.78(33), 620.7(23), 120.17(19)
770.3 2	†10.4 5	^{136}Pm (107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
770.3 2	18.0 8	^{136}Pm (107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
770.3 2	†7 1	^{159}Yb (1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
770.3 4	0.07 4	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 770.307 10	0.423 9	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
770.33 14	†4.0 5	^{165}Lu (10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
770.40 10	34.2 12	^{115}Te (6.7 m)	723.569(18), 1071.70(12.9), 1504.10(10.2)
770.4 3	0.161 25	^{152}Tb (4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
770.4 4	†12.9 8	^{193}Tl (21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
770.5 2	0.55 12	^{108}In (58.0 m)	875.46(100), 632.96(100), 242.84(41)
770.53 10	0.50 6	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
770.56 19	0.019 3	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 770.57 10	$\dagger 4.74 \times 10^4$ 19	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000 $\times 10^9$), 33.195(†6000 $\times 10^8$)
770.6 2	0.104 7	^{65}Ni (2.5172 h)	1481.84(24), 1115.546(15.43), 366.27(4.81)
• 770.6 2	0.0030 3	^{65}Zn (244.26 d)	1115.546(50.60), 344.95(0.0030)
770.60 20	0.23 5	^{159}Tm (9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
770.64 14	1.86 17	^{105}In (5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
770.644 9	0.47 5	^{75}Br (96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
770.7 4	0.137 24	^{93}Kr (1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
770.7 4	0.381 10	^{207}Po (5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
770.7 1	0.65 3	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
770.75 15	1.28 8	¹³⁶ I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
770.77 10	2.6 3	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
770.8 4	†4.0 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
770.9 2	0.32 5	¹⁰⁸ In(39.6 m)	632.96(76), 1986.8(12.4), 3452.2(9.2)
770.90 10	11.8 11	¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
770.90 20	†23	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
770.95 85	0.057 21	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
770.97 10	0.0061 4	¹³⁷ Ce(9.0 h)	447.15(1.8), 10.6(0.8), 436.59(0.265)
• 770.97 10		¹³⁷ Ce(34.4 h)	824.82(0.44), 169.26(0.44), 762.3(0.192)
771.0 5	0.004 3	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
• 771.04 4	0.047 4	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
771.15 4	0.40 6	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
771.16 5	0.367 16	⁸⁰ Ga(1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
771.19 6	1.15 7	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
771.19 23	0.045 13	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
771.2 4	0.153 22	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
771.21 5	2.05 19	⁷¹ Zn(3.96 h)	386.28(93), 487.38(62), 620.18(57)
771.23 12	0.085 10	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
771.24 28	0.46 8	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
771.26 15	4.6 4	⁸¹ Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
771.3	†1.7 6	¹⁷⁸ Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
771.3	0.11 6	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
771.3 3		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
771.37 9	5.4 3	⁹⁷ Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
771.4 8	0.111 16	⁴⁵ K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
771.4 1	†12.4 12	¹⁰⁴ Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
771.4 2	0.042 13	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 771.4 4	0.025 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
771.4 2	0.070 17	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
771.5 5	0.14 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
771.51 10	0.48 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
771.60 4	0.0150 23	⁹⁶ Y(5.34 s)	1750.42(2.350), 2225.93(0.322), 475.33(0.188)
771.6 2	0.074 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
771.7	0.020 20	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
771.7 16	0.028 12	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
771.71 33	0.012 3	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
• 771.756 9	0.121 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
771.756 9	0.414 22	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
771.756 9	<0.6	⁷⁶ Br(1.31 s)	559.101(<0.6)
771.8 5	0.039 20	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
• 771.80 16	0.00029 3	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
771.8		¹³⁰ Pr(40.0 s)	951.9, 499.0, 1405
771.8 3	0.34 9	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
771.8 3	†3.1 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
771.8 2	†4.9 3	²⁰¹ Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
771.86 16	0.35 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
771.9 2	0.094 14	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
771.9 2	0.8	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
771.9 10	0.40 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
771.93 9	0.258 15	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
771.95 7	0.44 4	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
772 1	0.08 1	⁸⁷ Zr(1.68 h)	1227(1.0), 1209.8(0.33), 1024(0.28)
772 3	0.24 13	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
772.0 3	0.09 5	$^{103}\text{Tc}(54.2 \text{ s})$	346.380(17.5), 136.079(16.6), 562.90(7.0)
772.0 1	0.056 6	$^{139}\text{Xe}(39.68 \text{ s})$	218.59(56), 296.53(21.7), 174.97(11.3)
772.0	0.010	$^{148}\text{Dy}(3.1 \text{ m})$	620.24(96), 1247.2(1.4), 178.3(0.5)
772.00 15	0.019 6	$^{189}\text{Pt}(10.87 \text{ h})$	721.41(9.3), 94.33(7.6), 568.84(7.1)
772.01 13	0.17 3	$^{187}\text{Au}(8.4 \text{ m})$	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
772.1 5	0.19 10	$^{117}\text{Ag}(5.34 \text{ s})$	135.4(48), 386.8(39.9), 298.1(21.1)
772.1 3	0.031 7	$^{146}\text{Pr}(24.15 \text{ m})$	453.88(48.0), 1523.7(15.6), 735.72(7.5)
772.10 10	0.00066 23	$^{161}\text{Ho}(2.48 \text{ h})$	25.65150(27), 103.062(3.9), 77.414(1.91)
772.18 10	0.0036 3	$^{161}\text{Gd}(3.66 \text{ m})$	360.94(0.59), 314.92(22.7), 102.315(13.9)
772.20 15	0.40 3	$^{207}\text{At}(1.80 \text{ h})$	814.41(44.5), 588.33(19.2), 300.654(12.8)
772.291 4	1.50 6	$^{228}\text{Ac}(6.15 \text{ h})$	911.205(26.6), 968.971(16.2), 338.322(11.3)
772.291 4	1.24 7	$^{228}\text{Pa}(22 \text{ h})$	911.205(4.19), 463.005(1.250), 964.770(4.25)
772.3 1	11.9 5	$^{188}\text{Tl}(71 \text{ s})$	412.7(88), 592.0(61), 504.2(23.3)
772.3 10	0.38 7	$^{201}\text{Bi}(108 \text{ m})$	629.1(24.0), 936.2(11.3), 1014.1(10.7)
772.4 5	0.8	$^{101}\text{Cd}(1.2 \text{ m})$	98.0(47), 1722.5(11), 1259.3(8)
772.4 3	0.6 3	$^{104}\text{In}(1.8 \text{ m})$	658.0(100), 834.1(99), 878.1(29.4)
772.4 2	0.072 21	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
• 772.4 3	$\dagger 2.66 \times 10^4$ 14	$^{241}\text{Am}(432.2 \text{ y})$	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
772.5 6	0.41 7	$^{139}\text{Nd}(5.50 \text{ h})$	113.94(40), 737.96(35), 982.2(26.4)
772.5 6	0.21	$^{203}\text{Bi}(11.76 \text{ h})$	820.3(30), 825.2(14.6), 896.9(13)
772.52 6	0.045 3	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
772.6 3	0.043 9	$^{72}\text{Ga}(14.10 \text{ h})$	834.01(96), 2201.69(25.9), 629.95(24.8)
• 772.6 3	0.0103 8	$^{72}\text{As}(26.0 \text{ h})$	834.01(80), 629.95(7.92), 1463.95(1.107)
772.6 2	0.0093 17	$^{121}\text{I}(2.12 \text{ h})$	212.189(84), 532.08(6.07), 598.74(1.47)
772.60 1	75.6 13	$^{132}\text{I}(2.295 \text{ h})$	667.718(99), 954.55(17.6), 522.65(16.0)
772.60 1		$^{132}\text{I}(1.387 \text{ h})$	600.1(14.0), 173.7(8.8), 614.0(2.5)
• 772.60 1	0.072 3	$^{132}\text{Cs}(6.479 \text{ d})$	667.718(98), 630.19(0.95), 505.79(0.73)
772.6 2	0.22 4	$^{150}\text{Tb}(3.48 \text{ h})$	638.05(72), 496.3(14.8), 792.5(4.39)
772.6 2	0.24 4	$^{230}\text{Ac}(122 \text{ s})$	454.95(8), 508.20(5.15), 1243.9(3.50)
• 772.6 2	0.10 3	$^{230}\text{Pa}(17.4 \text{ d})$	951.95(1.65), 918.48(8.2), 454.95(6.27)
772.61 20	0.066 9	$^{165}\text{Yb}(9.9 \text{ m})$	80.11(49), 68.86(9.1), 1090.28(4.4)
772.65 3	1.61 4	$^{149}\text{Tb}(4.118 \text{ h})$	352.24(29.43), 164.98(26.4), 388.57(18.37)
772.67 10	0.257 14	$^{163}\text{Yb}(11.05 \text{ m})$	860.28(10.1), 63.62(6.5), 123.21(1.98)
772.7 5	1.4 2	$^{165}\text{Hf}(76 \text{ s})$	180.0(100)
• 772.76 8	0.90 7	$^{151}\text{Pm}(28.40 \text{ h})$	340.08(23), 167.75(8.3), 275.21(6.8)
772.80 20	0.246 18	$^{112}\text{Sb}(51.4 \text{ s})$	1257.05(96), 990.70(14.3), 670.0(3.7)
772.8 3	0.25 4	$^{121}\text{Xe}(40.1 \text{ m})$	252.7(13), 132.8(10.9), 445.2(7.7)
772.89 4	4.12 8	$^{187}\text{W}(23.72 \text{ h})$	685.774(27.3), 479.531(21.8), 72.001(11.14)
772.9 5	2.26 14	$^{141}\text{Xe}(1.73 \text{ s})$	909.23(24.0), 118.705(16.1), 105.937(9.8)
772.9 2	$\dagger 75$ 8	$^{174}\text{Er}(3.3 \text{ m})$	100.4($\dagger 100$), 708.4($\dagger 93$), 766.9($\dagger 92$)
772.9 2	$\dagger 2.33$ 21	$^{185}\text{Hg}(21.6 \text{ s})$	222.8($\dagger 100.0$), 258.7($\dagger 98$), 212.5($\dagger 58$)
772.95 5	0.0034	$^{239}\text{U}(23.45 \text{ m})$	74.664(48), 43.533(4.14), 662.24(0.18)
773.0 10	0.0042 17	$^{111}\text{Pd}(23.4 \text{ m})$	580.00(0.8), 70.44(0.78), 1459.0(0.56)
773.0	0.130 17	$^{135}\text{Ce}(17.7 \text{ h})$	265.56(41.8), 300.07(23.5), 606.76(18.8)
773.0 4	0.14 6	$^{146}\text{Ba}(2.22 \text{ s})$	140.7(20.2), 251.2(19.6), 121.2(14.2)
773	$\dagger 3.9$	$^{149}\text{Tb}(4.16 \text{ m})$	795.9($\dagger 111$), 651($\dagger 37$), 164.98($\dagger 8.3$)
773.0 3	0.20 5	$^{156}\text{Tm}(83.8 \text{ s})$	344.55(86), 452.85(17.2), 585.93(14.6)
773.0 2	$\dagger 0.45$ 9	$^{160}\text{Ho}(5.02 \text{ h})$	728.18($\dagger 100$), 879.383($\dagger 65.9$), 962.317($\dagger 59.1$)
773.0 2	0.21 4	$^{160}\text{Ho}(25.6 \text{ m})$	728.18(46.9), 879.383(26.6), 962.317(25.6)
773.0 5	$\dagger 1.25$ 21	$^{183}\text{Hg}(9.4 \text{ s})$	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
• 773.0 8	$\dagger 0.008$ 3	$^{227}\text{Th}(18.72 \text{ d})$	235.971($\dagger 813$), 50.13($\dagger 528$), 256.25($\dagger 463$)
773.04 6	100	$^{92}\text{Tc}(4.23 \text{ m})$	1509.48(101), 329.71(79.9), 147.80(71)
773.1 4	$\dagger 57$ 6	$^{206}\text{Rn}(5.67 \text{ m})$	497.7($\dagger 100$), 324.5($\dagger 96$), 386.6($\dagger 61$)
773.16 7	0.94	$^{137}\text{I}(24.5 \text{ s})$	1218.00(12.8), 601.05(4.80), 1302.64(4.42)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
773.19 6	0.18 3	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
773.20 12	24.2 18	¹⁰⁰ Ag(2.01 m)	665.54(99), 750.67(78), 450.2(17.4)
773.24 6	0.059 12	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 773.276 14	2.0×10^{-5} 7	¹⁸⁶ Re(90.64 h)	137.155(8.22), 767.508(0.0255), 630.354(0.0230)
773.276 14	9.1 3	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
773.276 14	13.5 12	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 773.283 15	0.605 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
773.3 5	1.2 3	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
773.31 10	0.233 18	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
773.32 17	0.07 3	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 773.390 14	0.000207 4	¹⁶⁹ Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
773.4 6	2.75 21	¹²⁹ Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
773.4 5	0.112 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
773.4 5	2.1	¹⁴⁶ La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
• 773.42 18	0.018 4	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
773.46 20	0.410 13	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
773.5 2	0.30 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
773.5 3	0.011 3	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
773.5 1	13.4 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
773.5 3	†<5	¹⁸¹ Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
773.5 3	†2.5 5	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
773.5 3	†31 16	¹⁹⁴ Bi(106 s)	1308.3(†100), 671.8(†55), 965.4(†41)
773.54 17	0.00023 15	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
773.57 5	0.101 8	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
773.6 3	0.65 8	¹¹⁷ Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
773.60 11	0.166 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
773.62 9	0.30 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
773.62 9	0.074 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 773.67 3	49.9 5	¹³¹ Te(30 h)	852.21(27.0), 793.75(18.10), 1125.46(14.9)
773.7 2	0.084 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
773.7 4	0.43 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
773.7 3	1.5 3	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
773.700 16	0.050 17	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
773.7 4		¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
773.74 6	5.0	¹⁴⁰ Pm(9.2 s)	477.1(2.6), 1204.8(1.9), 1138.7(1.5)
773.74 6	100 5	¹⁴⁰ Pm(5.95 m)	1028.19(100), 419.57(92), 1197.5(3.8)
773.76 18	†0.46 6	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
773.8 5	†100	¹⁹⁰ Bi(6.3 s)	455.0(†94), 506.2(†92), 846.4(†70)
773.9	0.217 25	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
773.9 4	0.09 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
773.9 6	†1.6 7	¹⁹³ Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
774.0 5	†8.0 10	¹¹³ I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
774.0	0.016 8	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
774 1	0.04	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
774.0 3	0.013 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
774.0 4	0.014	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
774.1 1	0.601 18	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
774.1 1		¹²⁵ La(76 s)	67.6(34), 43.6(3.5), 985.2
• 774.1 1	0.71 10	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
774.1 2	†7	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
774.1 3	†4 1	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
774.1 9	2.7 7	¹⁶⁸ Ta(2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
774.1 2	†1.15 11	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
774.1	0.08 3	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 774.1	$4.7 \times 10^{-6} 8$	^{232}U (68.9 y)	57.762(0.200), 129.065(0.0686), 270.243(0.00316)
774.1 2	0.38 23	^{232}Ac (119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
774.12 10	3.70 24	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
774.12 10	0.30	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
774.14 6	0.097 14	^{88}Kr (2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
• 774.2 5	0.010 4	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
774.2 3	0.18 6	^{159}Er (36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
774.21 7	0.33 3	^{101}Mo (14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
774.21 15	0.066 10	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
774.26 10	14.1 10	^{197}Pb (43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
774.3	>0.019	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
774.3	0.6	^{145}La (24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
774.31 10	0.35 4	^{162}Yb (18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
774.37 10	50 3	^{130}In (0.32 s)	1905.17(74), 129.80(61), 1221.24(60)
774.37 10	46 3	^{130}In (0.55 s)	1221.24(89), 89.23(20.2), 2377.14(15.8)
774.4 3	0.259 14	^{146}Pr (24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
• 774.4 4	0.043 9	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 774.4	0.008 3	^{154}Eu (8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
774.46 20	1.0 3	^{125}Cd (0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
774.5 3	7.0 6	^{64}Ge (63.7 s)	427.03(37.4), 666.94(16.9), 128.2(10.7)
774.5	0.07 3	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
774.6 3		^{140}Gd (15.8 s)	174.8(76), 749.9(70), 379.0(38)
774.6	0.18 9	^{148}Ba (0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
774.6	0.0031 13	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
774.6 3	0.59 8	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
774.70 16		^{131}Sn (56.0 s)	3267.5, 2470.5, 2039.25
774.70 16	†3.5 6	^{131}Sn (56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
774.7 2	0.41	^{140}Sm (14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
774.7 1	0.36 2	^{143}La (14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
774.73 17	7.1 4	^{72}Br (78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)
774.73 4	0.016	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
774.74 10	0.291 17	^{79}Ge (19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
774.74 10	2.46 18	^{79}Ge (39.0 s)	230.62(61), 542.27(32.6), 755(18)
• 774.8 2	0.0019 9	^{110}Ag (249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
774.8 4	1.37 17	^{128}La (5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
774.8 6	1.16 14	^{176}Tm (1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
774.83 17	0.52 4	^{103}Tc (54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
774.9	†51 20	^{177}Ir (30 s)	183.6(†1010), 148.3(†929), 75.6(†>900)
• 774.9 13	0.048 24	^{194}Au (38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
774.9 3	0.112 5	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
774.99 1	0.017 5	^{95}Tc (20.0 h)	765.794(93.82), 1073.71(3.74), 947.67(1.951)
775.0 8	0.19	^{97}Zr (16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
775.0 6	0.076 25	^{103}Ag (65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
• 775 2	0.09 6	^{124}Sb (60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
775.0 2	†1.2 3	^{192}Bi (37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
775.0 1	0.09	^{251}Fm (5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
775.0 1	0.041	^{251}Fm (5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
• 775.1 2	0.013 4	^{124}I (4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
775.11	0.053 8	^{24}Al (2.053 s)	1368.633(96.0), 7069.50(43.0), 2754.028(41.2)
775.12 10	†3.6 3	^{131}Pr (1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
775.2 2	†13	^{138}Eu (12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
775.2 3	†2.9 6	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
775.28 6	63	^{88}Br (16.5 s)	802.14(13.13), 1440.69(4.72), 4148.05(4.03)
775.28 6	5.16 18	^{89}Br (4.40 s)	802.14(0.186), 868.57(>0.18), 1577.41(0.048)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
775.3 2	1.2 5	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
775.3 1	5.4 3	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
775.3		¹⁵¹ Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
775.30 9	2.1 3	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
775.3 2	0.477 24	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 775.3 2	†0.093 12	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
775.31 18	0.0028 8	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
775.4 5	0.33 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
775.41 7	0.192 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
775.47 22	†10 3	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
775.5 3	0.042 4	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
• 775.5 2	0.094 9	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
775.5 5	0.06 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
775.5 3	0.67 10	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
775.5 3	0.50 8	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
775.53 15	9.2 4	¹⁵¹ Ho(35.2 s)	527.4(63), 209.5(5.69), 1549.7(4.6)
775.6 7	0.61 7	⁵¹ Sc(12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
775.6 4	4.7 12	⁹⁸ Cd(9.2 s)	347.18(78), 1176.1(66.3), 107.28(43.7)
775.6 4	0.084 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
775.6 2	†0.58 11	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
775.6 3	†1.43 24	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
775.7 3	0.0151 5	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
775.7 4	0.08 4	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
775.8 8	0.107 19	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
775.8	3.0 15	¹³² Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
775.8	†98	¹⁷⁶ Os(3.6 m)	1290.9(†100), 1209.2(†71), 857.2(†69)
• 775.9 3	1.10 14	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 775.9 3	0.00039 20	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
776.0 6	0.27 13	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
776.0 4	0.35 5	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
776.00 10	0.095 23	¹⁶² Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
776.05 20	†2.8 4	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
776.06 7	0.20 5	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
776.07 13	0.26 3	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
776.07 5	0.0075 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
776.08 11	2.11 4	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
776.1 9	0.46 11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
776.1 4	0.9 4	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
776.1 2	†2.12 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
776.19 25	0.070 17	⁸⁹ Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
776.2 2	1.0	⁶⁷ As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
776.2 3	†95 7	¹⁹⁵ Bi(183 s)	807.6(†100), 831.7(†100), 134.4(†69)
776.21 4	1.31 8	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
776.3 3	0.0040 12	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
776.32 27	0.14 5	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 776.33 10	4.4 3	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
776.4 4	0.052 17	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
776.4 3	0.8 1	¹¹⁷ Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
776.4 3	†0.32 5	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
776.49 20	1.13 18	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
• 776.5 5	0.0009 5	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
776.5 5	†0.8 3	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
776.5 2	0.44 5	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 776.517 3	83.5 8	⁸² Br(35.30 h)	554.348(70.8), 619.106(43.4), 698.374(28.49)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
776.517 3	0.26	^{82}Br (6.13 m)	698.374(0.0340), 1474.88(0.0198), 1180.266(0.00394)
776.517 3	13	^{82}Rb (1.273 m)	1395.139(0.471), 698.374(0.133), 1474.88(0.079)
776.517 3	84	^{82}Rb (6.472 h)	554.348(62.4), 619.106(37.976), 1044.002(32.068)
776.56 10	0.019 6	^{228}Ac (6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
776.56 10	0.44 5	^{228}Pa (22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
776.57 20	1.1 3	^{193}Hg (11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
776.6 2	100	^{102}In (24 s)	861.1(96), 593.1(30), 397.7(12)
776.60 20	0.54 9	^{115}Ag (20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
776.6 2	>0.049	^{129}La (11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
776.6 8	0.054 11	^{157}Dy (8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
776.6 2	9.1 6	^{196}Bi (308 s)	1049.21(87), 689.00(35.5), 1449.7(6.9)
776.66 20	0.20 3	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
776.74 1	0.0061 20	^{126}Cs (1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
• 776.78 4	0.0144 7	^{149}Gd (9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
776.8 1	0.84 8	^{143}Gd (112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
• 776.80 25	0.053 18	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
776.85 15	0.22 4	^{126}In (1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
776.85 15	1.1 2	^{126}In (1.64 s)	1141.11(100), 908.58(99), 111.79(88)
776.9 1	†0.97 12	^{158}Ho (11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
776.95 5	0.65 8	^{158}Eu (45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
777.0 5	0.076 14	^{107}In (32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
• 777	0.007 3	^{150}Eu (35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
777.0	†0.58 18	^{178}Ir (12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
777.0 2	0.046	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
777.1 3	0.022 9	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 777.1 3	2.8×10^{-8} 7	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
777.13 13	6.6 8	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
777.16 6	7.17 11	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
777.2 2	2.6 4	^{174}Re (2.40 m)	243.4(37), 113.0(19.8), 1002.9(5.62)
777.2 3	†2.3 4	^{183}Hg (9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
777.20 15	0.30 3	^{199}Pb (90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
• 777.2	$\dagger 6 \times 10^{02}$ 3	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000 $\times 10^9$), 33.195(†6000 $\times 10^8$)
777.3 4	†0.23 6	^{71}Se (4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
777.3	0.59 9	^{95}Sr (23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
777.35 10	22.4 6	^{86}Y (14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
777.44 18	1.44 13	^{97}Rh (30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
777.45 25	0.062 19	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
777.5 3	1.70 17	^{62}Co (13.91 m)	1172.9(97), 1163.4(67.3), 2003.48(18.4)
777.5 3	3.6 4	^{112}Rh (3.8 s)	348.70(33), 388.20(4), 737.20(1.8)
777.5 3	0.51 3	^{200}Po (11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
777.57 10	0.200 14	^{93}Kr (1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
777.6 1	20.3 8	^{141}Sm (22.6 m)	196.88(74), 431.6(40.4), 1786.4(10.9)
777.6 5	1.7 5	^{191}Hg (50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
777.6 9	0.041 17	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
777.6 2	†30 4	^{195}Pb (15 m)	883.1(†100), 393.7(†42), 871.0(†36)
777.63 15	0.64 9	^{74}Br (46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
777.68 15	1.11 16	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
777.70 14	0.053 6	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
777.73 18	0.33 4	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
777.8 5	†3	^{99}Rb (59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
777.8 1	0.0062 6	^{104}Rh (42.3 s)	555.796(2.0), 1237.2(0.066), 767.72(0.011)
777.8 1	0.00038 4	^{104}Rh (4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
777.8 1	0.64 9	^{104}Ag (33.5 m)	555.796(91), 1238.0(3.87), 2276.7(2.46)
777.8	2.8	^{111}Sb (75 s)	154.48(71), 489.1(42), 1032.6(10.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 777.85 15	0.073 9	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
777.89 3	0.364 21	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
777.9		¹⁵⁷ Lu(5.0 s)	967.5, 949.8, 880.5
777.9 4	3.8 5	¹⁷⁸ Re(13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
777.9 2	†6.6 6	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 777.91 19	0.07 4	¹¹⁹ Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
777.92 40	0.055	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 777.921 20	4.28 10	⁹⁹ Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
777.93 8	0.83 7	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 777.93 20	0.096 18	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 777.97 10	0.048 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
778 2	0.013 5	¹²⁵ Sn(9.52 m)	332.10(97.2), 1404.0(0.70), 589.6(0.20)
778.0 3	0.20 6	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
778.0 2	†17 5	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
• 778	0.026 4	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
778.0 5	†1.50 20	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
778 1	†6 3	¹⁹¹ Hg(49 m)	252.5(†100), 196.3(†65), 224.7(†60)
778.0 6	0.0006 3	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
• 778.04 5	4.95 22	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
778.1 3	†4.4 2	¹¹⁴ Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
778.1 5	0.063 9	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
778.1 1	0.64 7	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
778.10 19	0.044 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
778.1 4	0.016 5	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
778.156 8	8	¹⁵⁵ Pm(41.5 s)	725.123(5.30), 409.873(2.18), 761.631(1.5)
778.2 2	0.51 14	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
778.224 15	96.45 19	⁹⁶ Nb(23.35 h)	568.80(58.0), 459.88(26.62), 849.929(20.45)
• 778.224 15	100	⁹⁶ Tc(4.28 d)	849.929(98), 812.581(82), 1126.965(15.2)
778.224 15	1.9	⁹⁶ Tc(51.5 m)	1200.231(1.08), 480.705(0.311), 719.562(0.296)
778.3 5	0.0015 5	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
778.32 9	†1.59 11	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
778.33 5	0.96 6	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
778.4 2	†1.1 2	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
778.4	0.078 18	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
778.4 2	10.1 6	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
778.4 5	1.15 19	¹⁹⁶ Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
• 778.44 10	1.99 8	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
• 778.5 1	1.51 5	¹⁴⁴ Pm(363 d)	696.510(99), 618.01(98.6), 476.8(42.0)
778.5 1	6.8 5	²⁰⁸ Fr(59.1 s)	635.8(10), 325.3(5.2), 553.1(3.04)
778.54 9	0.259 15	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
• 778.57 8	0.0017 4	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
778.58 6	0.286 20	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
778.6	1.2	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
778.6 1	0.64 8	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
• 778.60 7	0.036 3	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
778.6 2	0.045 8	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
778.70 20	0.18 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
778.77 15	0.0006 3	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
778.8 2	0.90 6	¹⁷⁰ Ta(6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
778.8 3	0.0048 5	²¹³ Po(4.2 us)	
• 778.817 10	3.078 22	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
778.817 10	18.9 4	¹⁶⁶ Tm(7.70 h)	2052.36(17.2), 184.410(16.1), 1273.540(14.9)
• 778.91 1	12.96 7	¹⁵² Eu(13.542 y)	344.281(26.58), 411.115(2.231), 1089.700(1.710)
778.91 1	†137 9	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
778.91 1	0.07 5	¹⁵² Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
779.0 5	0.16 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
779.0 5	0.20 6	¹³⁸ I(6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
779.0 5	0.29 4	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
779.0 2	$\dagger 9.7 \times 10^2$ 10	¹⁵⁷ Ho(12.6 m)	279.97(\dagger 47600), 341.16(\dagger 37000), 193.41(\dagger 15200)
779 1	1.38 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
779.0 4	0.29 4	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
779.1 6	0.20 6	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
779.12 8	0.097 21	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
779.16 14	0.20 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
779.2 1	5.5 4	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
779.2 3	1.0 3	¹³¹ In(0.282 s)	2434.03(90), 4487.00(2.76), 3989.75(2.66)
779.2 5	0.6 3	¹³⁵ Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
779.3 1	0.029 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
779.4	$\dagger > 0.042$	¹⁹⁶ Ir(1.40 h)	393.346(\dagger 105.2), 521.175(\dagger 104), 447.1(\dagger 102.1)
779.4 5	1.31 7	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
779.4 3	$\dagger 4.1$ 3	²⁰¹ Po(15.3 m)	890.1(\dagger 100), 240.1(\dagger 71.0), 904.2(\dagger 54.8)
• 779.431 14	1.36×10^{-7} 8	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
779.5 8	0.27 5	¹¹⁶ In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
779.5 2	1.79 18	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
• 779.51 10	0.099 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
779.58 10	0.0012	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
779.6	0.21	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
779.6 3	$\dagger 18$ 3	¹⁴⁷ Ho(5.8 s)	189.1(\dagger 100), 883.9(\dagger 100), 486.7(\dagger 61)
779.6 7	0.118 11	¹⁷⁷ Yb(1.911 h)	150.392(20.3), 1080.21(5.6), 1241.2(3.47)
779.6 3	0.037 4	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
779.630 7	10.4 4	¹⁹⁶ Ir(52 s)	355.684(19), 446.613(4.5), 332.983(4.35)
779.67 4	1.77 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
779.7 6	0.176 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
779.76 8	0.067 10	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
779.8 8	1.08 17	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
779.8 5	0.081 9	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
779.8 1	59 3	¹³⁰ Sn(3.72 m)	192.5(70), 70.0(35.5), 229.2(23.4)
779.8 3	0.30 7	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
779.80 17	$\dagger 4.4$ 8	¹⁸³ Hg(9.4 s)	60.5(\dagger 100), 159.91(\dagger 21), 172.70(\dagger 17)
779.80 5	7	¹⁹⁵ Hg(9.9 h)	61.46(6.2), 585.13(1.99), 180.11(1.90)
779.9 4	0.27 6	⁹⁰ Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
779.90	0.12	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
779.92 4	0.270 11	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
779.93 5	0.658 24	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
780	0.22	¹²⁵ Cs(45 m)	526(24), 111.8(9), 412(5)
780.0 2	1.18 4	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
780.05 35	$\dagger 6.0$ 15	¹⁶⁴ Tm(2.0 m)	91.40(\dagger 1500), 1154.66(\dagger 366), 768.91(\dagger 279)
• 780.11 6	0.115 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
780.14 4	0.75 8	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
• 780.14 4	9.56 18	¹⁵⁸ Tb(180 y)	944.09(44), 962.06(20.3), 79.5104(11.6)
780.2 6	0.10 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
780.2 1	$\dagger 6.42$ 30	¹²⁹ Ba(2.17 h)	182.30(\dagger 100), 1459.1(\dagger 50.0), 202.38(\dagger 33.7)
780.2	0.021 5	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
• 780.23 4	2.347 15	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
780.25 15	31.0 16	⁴⁸ K(6.8 s)	3832.2(78), 675.05(16.8), 2788.90(16.1)
780.3 5	0.12 3	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
780.337 7	0.024 7	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
780.40 5		¹⁶⁸ Lu(5.5 m)	1483.65(\dagger 100), 228.58(\dagger 97), 111.8(\dagger 68)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
780.40 5	3.7 5	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
780.4 9	0.035 17	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
780.4 2	0.90 4	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
780.44 5	2.76 5	²⁴² Np(2.2 m)	735.93(5), 1473.1(2.34), 1137.1(1.30)
780.45 3	0.0041 4	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
780.50 20	1.20 13	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
780.5 4	2.1 6	¹¹⁵ Te(6.7 m)	770.40(34.2), 723.569(18), 1071.70(12.9)
780.5 7	0.6 3	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
780.5 3	0.113 13	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
780.5 3	0.0030 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 780.5 3	†0.020 4	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
780.56 3	0.25 3	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
780.6 10	0.39 9	¹³⁵ Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
• 780.66 10		²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
• 780.681 20	4.36 6	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
780.70 20		¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
780.7 2	0.18 4	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
780.7 1	2.7 11	¹⁴⁹ Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
780.7 3	0.040 10	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
780.7 3	0.074 19	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 780.7 2	†2.5×10 ³ 5	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
780.707 14	0.106 18	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
780.79 15	†89	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
780.9 8	1.2 4	⁶⁹ Ni(11.4 s)	1871.1(40.9), 679.7(39.7), 1213.0(39.3)
780.9 3	4.2 3	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
780.9 4	0.07	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 780.91 3	0.572 9	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
780.99 3	0.0485 18	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
781.0 5	†4.3 17	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
781.0 5	2.0 3	²⁰⁰ Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
781.04 10	0.51 16	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
781.1 4	0.37 5	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
781.1 8	0.110 20	¹¹⁶ In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
781.2 2	0.047 7	⁹⁶ Y(5.34 s)	1750.42(2.350), 2225.93(0.322), 475.33(0.188)
781.2 5	0.22 5	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
781.2 3	0.56 10	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
781.2 3	0.101 17	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
781.26 3	1.013 22	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
781.28 13	0.182 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
781.28 6	0.168 12	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
781.28 6	4.0 4	²⁴⁶ Am(39 m)	679.0(53), 205.0(36), 152.9(25)
781.3 3	0.51 8	¹¹⁷ Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
781.30 12	1.35 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
781.35 5	0.38 4	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 781.35 5	1.48 6	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
781.37 10	†7.78×10 ³ 18	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
781.4 2	0.0112 12	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
781.4 4	1.2 3	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
781.40 6	0.0039 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
781.4 4	†1.1 3	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
781.48 7	1.86 11	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
781.5		⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
781.5 2	0.8 6	¹⁰³ Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
781.5 3	0.45 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
781.51 8	12.3 9	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
781.55 30	0.07 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
781.57 13	0.0030 4	¹³⁷ Ce(9.0 h)	447.15(1.8), 10.6(0.8), 436.59(0.265)
• 781.57 13		¹³⁷ Ce(34.4 h)	824.82(0.44), 169.26(0.44), 762.3(0.192)
781.6 3	2.0 3	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
781.6 1	9.3 10	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
781.6 2	†4.9 7	¹⁵³ Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
781.6 3	8.5 9	¹⁹² Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
781.62 10	1.34 15	¹²¹ Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
• 781.64 8	3.01×10^{-6} 25	¹⁶⁹ Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
781.7		⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
781.7 2	0.024 5	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
781.7 3	†2.7 6	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
781.73 10	3.3 4	¹¹⁸ Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
781.73 10	2.07 16	¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
781.8 4	0.44	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
781.8 5	0.34 10	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
781.8 4	†0.23 3	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 781.8 20	0.05 3	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
781.85 6	0.083 4	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
781.87 6	0.160 8	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
781.88 9	0.378 17	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
781.9 3	0.035	¹¹³ Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
781.9 3	0.20 4	¹²⁴ Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
781.9 2	†2	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
781.9 10	†1.0	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 781.90 20	0.17 3	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
781.9 1	83.5 22	²⁰⁹ At(5.41 h)	545.0(91), 790.2(63.5), 195.0(22.6)
781.93 5	†188 63	¹⁰⁵ Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
781.952 16	0.0042 8	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
781.99 15	1.3 2	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
782.0 4	0.134 20	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
782.0 4	0.12 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
782.0 4	0.78 12	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
782.0 1	6.9 11	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
• 782.0 8	0.012 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
782.08 9	0.33 3	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
782.1 3	1.71 14	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
782.11 13	0.33 6	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
782.12 7	0.060 9	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
782.12 7		¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
782.142 5	0.500 24	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
782.142 5	0.6	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
782.19 4	0.104 7	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
782.2 5	3.6 10	⁹⁹ Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
782.2 4	0.039 20	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 782.2 5	$\dagger 1.5 \times 10^3$	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000 $\times 10^9$), 33.195(†6000 $\times 10^8$)
782.3 4	0.06 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
782.3 4	0.8 3	⁸⁰ Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
782.3 1	†2.10 21	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
782.3 1	2.11 11	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
782.40 30	0.019 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
782.47 10	0.30 4	¹⁶² Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
782.48 8	15 3	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 782.49 4	10.16 15	^{131}Te (30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
782.5 5	0.0139 23	^{81}Rb (4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
782.5 3	0.57 8	^{121}Xe (40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
782.5 10	0.20 8	^{222}Fr (14.2 m)	206.15(51), 111.12(12.5), 242.12(1.89)
782.5 10	0.00009 3	^{226}Th (30.9 m)	111.12(3.29), 242.12(0.866), 131.02(0.278)
782.6 5	0.42 15	^{77}Rb (3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
782.6	0.021	^{135}Ce (17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 782.6 2	1.20 4	^{147}Gd (38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 782.6 3	0.047 23	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
782.6 3	0.69 10	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
782.62 20	5.7 5	^{164}Tb (3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
782.7 3	†8	^{154}Nd (25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
782.7 1	0.033 4	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
782.7 5	0.0061	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
782.71 15	8	^{80}Y (35 s)	385.86(100), 595.06(39), 1185.20(20)
782.8 4	†0.86 24	^{189}Hg (7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
782.80 12	1.96 9	^{205}At (26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
782.83 15	0.21 3	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
782.861 18	0.027 9	^{180}Re (2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
782.9 2	0.44 4	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
782.9 3	0.20	^{154}Pm (1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
782.91 3	0.092 12	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
782.99 6	0.025	^{115}Sb (32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)
783.0 3	5.6 17	^{114}Rh (1.85 s)	332.9(56), 361.9(20), 694.4(13)
783.0 15	†4.0 16	^{193}Tl (21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
783.0 2	0.22 7	^{205}Po (1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
783.09 3	2.35 4	^{145}Ce (3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
783.1 2	†1.33 16	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
783.1 5	0.062 22	^{139}Xe (39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
783.14 15	0.97 13	^{80}As (15.2 s)	666.14(42), 1644.8(7.5), 1207.12(4.3)
783.14 57	0.07 3	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
783.20 14	1.97 18	^{186}Ir (2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 783.29 9	17	^{50}V (1.4×10^{17} y)	
783.29 9	100 2	^{50}Mn (1.75 m)	1097.97(98.5), 1443.28(69), 1282.36(33)
783.4 3	0.036 10	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
783.4 2	0.070 17	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
783.4 1	0.30 3	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
783.4 1	†38 7	^{234}Pa (1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 783.4 1	0.0033 4	^{234}Np (4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 783.4 1	2.4×10^{-8} 4	^{238}Pu (87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
783.46 9	0.33 5	^{202}Bi (1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
783.5 2	†2.1 2	^{75}Ga (126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
783.5 9	0.022 14	^{89}Kr (3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
783.5	†8	^{99}Cd (16 s)	342.6(†100), 671.8(†31), 1583.3(†28)
783.5 5	0.13 7	^{159}Er (36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
783.56 26	0.26 3	^{86}Y (14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
783.59 6	0.0591 25	^{123}I (13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
783.59 2	10.6 3	^{135}Ce (17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
783.6 3	†7.4 15	^{101}Nb (7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
783.6 3	>0.06	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
783.6 3	†3.1 9	^{171}Hf (12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
783.6 2	0.90 10	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 783.682 10	0.57 17	^{200}Tl (26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
• 783.69 10	0.077 9	^{156}Tb (5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
783.7 3	0.0649 22	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
• 783.7 5	15.0 3	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 252.4(8.5)
783.70 20	0.18 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
783.7 3	0.81 12	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
783.7 5	†1.5 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
783.72 30	0.08 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
783.754 14	66 7	¹⁸³ Hf(1.067 h)	73.174(38), 459.069(27), 397.859(2.9)
783.8 1	0.55 4	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
783.8 2	0.0118 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
783.80 8	2.14 14	¹⁵⁷ Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
783.9 4	0.054 18	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
784	>0.007	⁹⁰ Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
784.0 6	1.40 20	¹²⁴ In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
784.0 5	0.26 6	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
784.09 17	0.240 5	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
784.1 5	0.42 6	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
784.1 3	0.085 9	¹⁹⁵ Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 784.14 10	0.049 4	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
784.2 2	0.018 4	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
784.2 4	0.31 15	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 784.2 5	†0.0063 19	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
784.2 5	0.0049	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
784.3 2	0.67 6	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
784.3 2	0.040 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
784.4 4	0.38 4	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
784.430 16	†119.0 23	¹⁴⁸ Tb(60 m)	489.049(†28.0), 1079.025(†16.2), 631.947(†15.1)
784.430 16	100	¹⁴⁸ Tb(2.20 m)	631.947(95), 882.3(92), 394.6(86)
784.43 10	0.208 16	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 784.44 19	0.00067 16	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
784.5	0.10	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
784.5 6	0.10 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
784.55 8	9.64 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 784.58 7	0.536 10	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
784.6 6	0.017 4	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
784.6 2	0.25 4	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
784.61 6	0.084 5	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
784.68 5	2.99 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
784.7 3	1.03 15	¹¹⁹ Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
784.7 5	5	¹⁴⁶ La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
784.77 3	1.32 3	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
784.8 4	0.67 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
784.8 3	†1.0 3	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
784.82 9	0.64 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
784.93 15	1.86 19	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
784.93 5	0.0093 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
785 3		⁴⁶ K(105 s)	1346.0(100), 1228.7(6.4), 1675(3.5)
785.0 5	0.046 14	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
785.00 20	†6 4	¹⁰⁶ Nb(1.02 s)	171.548(†100), 350.70(†39), 714.00(†30)
785.0	†27.2	¹⁰⁷ Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
785 1		¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
785.0 4	0.0072 24	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
• 785.06 4	0.072 3	⁹⁷ Ru(2.9 d)	215.718(86), 324.48(10.79), 569.31(0.873)
• 785.09 6	18.3 10	²⁵² Es(471.7 d)	139.03(13.9), 924.12(2.41), 102.32(1.88)
785.1 5	2.7 4	⁷⁴ Zn(96 s)	56.7(70), 49.4(33.4), 143.5(21.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
785.1 5	†0.40 9	¹⁴⁴ Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
• 785.10 7	0.221 16	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
785.11 8	0.055 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
785.12 16	3.8 6	⁸⁶ Br(55.1 s)	1564.92(64), 2751.2(21.1), 1361.65(10.4)
785.12 12	0.739 16	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
785.2 3	0.015 3	¹¹³ Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
785.2	0.62 18	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 785.23 12	0.00037 6	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
785.25 16	0.47 5	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
785.28 8	0.163 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
785.3 2	0.27 6	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
785.3 3	>0.19	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
785.3 2	1.4 3	²³² Ac(119 s)	665.0(15.3), 1899(8.9), 1959(5.4)
785.33 2	0.073 12	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
785.37 8	1.102 13	²¹² Bi(60.55 m)	727.330(6.58), 1620.50(1.49), 1078.62(0.564)
785.4 4	0.074 20	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
785.4 1	0.0044 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
785.4 2	†3.3 4	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
785.4	0.10	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
785.48 5	0.153 17	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
• 785.5	0.06	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
785.5 3	0.06	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
785.5	†40 3	²⁰² Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
785.54 10	0.39 23	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
785.54 10	0.31 19	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
785.56 6	5.5 4	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
• 785.65 3	0.214 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
785.69 15	0.21 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
785.7 1	0.45 4	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
785.7 6	0.77 24	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
785.7 1	60	²⁴² Np(5.5 m)	944.8(37.8), 159.0(19.2), 265.1(14.4)
785.72 14	0.086 11	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 785.75 20	0.028 3	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
785.8 2	0.28 6	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
785.8 5	0.079 22	¹⁸⁴ Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
785.86 3	0.0036 4	¹⁰⁴ Rh(42.3 s)	555.796(2.0), 1237.2(0.066), 767.72(0.011)
785.86 3	0.00086 5	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
785.86 3	9.5 14	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
785.86 3	1.9 3	¹⁰⁴ Ag(33.5 m)	555.796(91), 1238.0(3.87), 2276.7(2.46)
785.9 1	6.8 4	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
785.9 4	1.04 11	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 785.904 15	0.0119 5	¹⁶⁶ Ho(26.83 h)	80.574(6.71), 1379.40(0.93), 1581.89(0.187)
• 785.904 15	0.0167 22	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
785.904 15	9.90 21	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
785.91 2	0.85 10	²¹⁴ Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
• 785.92 9	0.0023 7	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
785.93 2	0.145 8	⁹⁵ Tc(20.0 h)	765.794(93.82), 1073.71(3.74), 947.67(1.951)
786.0 2	0.162 9	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
786.0 3	†0.9 2	¹³⁸ Pm(3.24 m)	520.9(†100), 729.0(†37.8), 493.1(†21.6)
786.0 3	0.060 10	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
786.0 7	0.231 22	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 786.00 15	†6×10 ⁰³	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
786.02 12	1.60 11	⁹⁰ Br(1.92 s)	707.05(38.0), 1362.32(11.2), 655.17(7.7)
786.06 14	†17.9 15	¹⁸⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
786.1 3	0.51 8	²⁰² Au(28.8 s)	439.59(10.0), 1125.20(2.30), 1306.38(2.25)
786.1 4	0.30 8	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
786.14 50	0.048	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 786.198 4	†29 4	⁹⁵ Nb(86.6 h)	204.117(†4290), 582.082(†101), 820.624(†0.7)
• 786.198 4	8.66 4	⁹⁵ Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
786.2 5	†7 2	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
786.26 14	0.0050 9	²⁵⁰ Bk(3.217 h)	989.12(45), 1031.85(35.6), 1028.65(4.91)
786.27 3	1.19 6	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
786.27 3	†4.85×10 ⁴ 19	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 786.27 3	3.19 13	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 786.27 3	3.25×10 ⁻⁶ 25	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
786.3 2	1.74 19	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
786.3 5	4.8 9	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
786.3 1	†31.7 16	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 745.5(†26.8)
786.3 4	0.28 4	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
786.3 5	0.0079 20	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
786.4 7	0.00167 17	¹⁰⁷ Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
786.4 5	9.5 5	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
786.44 7	3.20 6	⁷² Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
• 786.44 7	0.448 18	⁷² As(26.0 h)	834.01(80), 629.95(7.92), 1463.95(1.107)
786.5 2	1.7	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
786.5 5	0.023 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
786.54 20	0.37 5	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
786.60 20	3.34 15	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
786.6 6	1.89 17	¹²⁹ Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
786.6 2	0.189 14	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
786.6 2	0.8	¹⁴⁹ Dy(0.490 s)	361.4(0.8), 290.7(0.8), 630.2(0.7)
786.6 3	0.186 10	²³¹ Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
786.608 23	0.79 8	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
786.7 6	0.022 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
786.7 1	0.19 5	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
786.7 3	†2.9 9	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
786.7 1	0.10 5	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
786.73 4	0.0101 13	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
786.8 4	0.05 4	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
786.8 1	0.132 9	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
• 786.8	0.025	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
786.8 2	0.026 9	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
786.836 13	†4.9×10 ⁵	¹³⁵ Xe(15.29 m)	1133(†33000), 1358(†22000), 1192.2(†4400)
786.9 6		¹¹² I(3.42 s)	688.9
786.9 2	0.41 5	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
• 786.9 2	8.6×10 ⁻⁸ 9	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
786.93 2	5.40 9	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
786.96 25	†0.79 6	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
786.99 6		²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
787.0 15	0.034 14	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
787.0 4	0.52 10	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
787.0 4	0.0048 23	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
• 787.099 11	1.03 17	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
787.1 3	0.046 10	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
787.1 4	0.07 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
787.1 1	0.029 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
787.12 4	0.30 6	¹⁸² Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
787.15 10	†13.5 15	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
787.2 6	<0.000003	¹⁶ N(7.13 s)	6128.63(67.0), 7115.15(4.9), 2741.5(0.82)
787.2 3	>0.06	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
787.2 5	0.021 9	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
787.29 10	0.59 7	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
787.3 4	†0.7 4	¹⁰³ Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
787.34 4	0.69 6	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
787.374 14 13		⁹⁸ Nb(2.86 s)	1023.73(6.1), 1432.22(3.4), 644.830(3.4)
787.374 14 93		⁹⁸ Nb(51.3 m)	722.645(73.8), 1168.830(17.8), 833.563(10.8)
787.4 3	0.024 8	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
• 787.40 9	0.0026 4	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
787.4 3	0.25 3	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
787.4 5	0.0027 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 787.4 5	†0.0063 12	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
787.5 4	†1.0 5	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
787.6 4	0.38 4	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
787.6 3	1.3 3	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
• 787.60 15	0.054 4	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
787.6 4	5.3 6	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
787.7 4	8.2 6	⁹⁵ Rh(1.96 m)	3407.1(2.11), 3824.4(1.35), 4336.5(1.01)
787.7 1	0.14 4	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
• 787.742 7	0.310 10	⁵⁶ Co(77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
787.76 10	0.27 4	¹¹⁹ Te(16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
787.8 1		¹¹⁵ Pd(50 s)	749(9.2)
787.8 1		¹¹⁵ Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
787.8 10	0.41	²⁴² Np(2.2 m)	735.93(5), 780.44(2.76), 1473.1(2.34)
787.86 4	7.1 10	¹²⁸ Sb(10.4 m)	753.82(96.4), 743.22(96), 314.12(89)
787.9 5	0.00011 3	¹³⁵ La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
787.9 2	†2.6 4	¹⁹⁴ Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
787.95 14	1.57 6	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
• 787.98 18	0.027 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
787.99 10	0.067 15	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 788	0.004 3	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
788 1	†1.2 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
788.04 8	3.53 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
788.06 15	0.092 21	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
788.07 10	0.86 5	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
788.1 3	6.7 6	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
788.1 4	0.21 6	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
788.15	0.09	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 788.16 7	0.34 3	⁶⁹ Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
788.16 13	0.50 10	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
788.18 10	0.06	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
• 788.18 5	0.100 16	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
788.19 6	0.005	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
788.2	0.79 8	⁴⁰ Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
788.2 5	1.2 4	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
788.2 1	†1.33 14	⁹⁵ Pd(13.3 s)	1350.9(†105), 716.6(†70.63), 381.8(†50.8)
788.2 4	†1.1 3	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
788.28 4	0.533 14	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
788.3 2	0.185 9	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
788.30 5	8.2 6	¹²⁶ In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
788.3 4	0.010 3	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
788.4 2	21.2 22	¹⁶⁹ Ho(4.7 m)	853.0(11.2), 760.8(10), 778.4(10.1)
788.4 5	0.74 11	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
788.44 14	0.176 18	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
788.5 3	0.093 19	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
788.5 1	†8.3 9	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 788.5 3	3.5×10 ⁻⁸ 7	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
788.558 17	0.33 4	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
788.56 17	†1.4 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
788.58 9	0.06 4	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
788.6 1	6.3 3	¹⁴⁶ Pr(24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
• 788.65 15	0.81 6	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
788.68 8	0.76 5	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
788.70 20	0.028 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
788.7 2	†4.0 15	¹²⁹ Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
788.7 7	1.0 2	²⁰⁰ Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
• 788.742 8	34	¹³⁸ La(1.05×10 ¹¹ y)	
788.742 8	2.4	¹³⁸ Pr(1.45 m)	688.2(0.82), 1551.1(0.42), 1447.8(0.130)
788.742 8	100 5	¹³⁸ Pr(2.12 h)	1037.8(101), 302.7(80), 390.9(6.1)
788.8 1	0.9 7	⁷³ Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
788.8 5	0.84 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
788.8 2	0.14 3	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 788.8 6	0.025 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
788.8 6	†8.7 19	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
788.82 7	0.07 4	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 788.876 12	7.34 7	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
788.9 5	2.2 3	⁹⁶ Pd(122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
788.9 1	†4.5 5	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
• 788.92 5	0.0090 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
788.92 8	0.0970 22	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
789.0 3	†3.8 5	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
789.0 3	0.163 21	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
789.0 6	0.06 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
789.0 13	†18 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
789.0 5	0.012 3	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
789.0 1	0.533 25	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
789.06 19	2.7 3	¹⁸⁶ Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
789.1 2	0.47 3	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
789.1 2	0.21 5	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
789.1 9	0.12 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
• 789.17 25	†3.9×10 ³ 6	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
789.188 20	0.00022 13	¹⁷⁹ Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
789.2 3	†0.12 2	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
789.2 3	0.57 8	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
789.20 16	1.29 6	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
789.2 5	0.119 16	²²⁷ Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
789.21 20	†36 7	¹⁹³ Hg(3.80 h)	861.11(†100), 1118.84(†64), 580.97(†32)
789.22 2	0.068 10	⁵⁴ V(49.8 s)	834.848(97.1), 989.01(80.1), 2259.35(45.6)
789.3 4	0.0028 3	⁸¹ Se(18.45 m)	275.988(0.7), 290.03(0.55), 828.27(0.280)
789.3	0.35 5	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
789.3 1	0.065 9	¹⁴³ La(14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
789.3 1	0.215 21	¹⁴³ La(14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
• 789.32 5	0.019 9	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
789.4 3	0.060 7	⁹³ Ru(59.7 s)	680.68(6), 1434.73(0.73), 1015.90(0.42)
789.4 1	11.8 7	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 1776.3(11.1), 653.6(8.9)
789.4 1	5.1 4	¹⁵¹ Er(0.58 s)	597.4(4.4), 297.2(3.7), 414.1(2.7)
789.4 2	0.0140 22	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
789.4 4	0.07 3	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
789.47 27	0.56 7	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
789.5 9	0.26 5	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
789.50 30	0.22 3	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
789.59 6	0.050 4	¹³³ I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
789.59 10	0.18 3	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
789.6 4	0.49 5	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
789.7 5	4.7 5	⁶⁹ Se(27.4 s)	97.98(66), 66.4(24.8), 691.8(16.6)
789.7 4	0.81 16	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
789.7 3	0.44 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
789.7 1	1.14 9	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
789.71 21	0.14 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
789.76 5	0.318 18	⁸⁹ Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
789.8 4	0.44 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
789.8 3	0.14	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
789.9 3	4.8	⁶⁷ As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
789.9 4	0.089 7	¹⁰⁷ Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
789.9 4	2.3 9	¹⁵⁰ Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
789.95 7	0.118 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
789.95 9	0.059 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
790.0 4	$>1.2 \times 10^{-5}$	⁸³ Br(2.40 h)	529.635(1.200), 520.39(0.0576), 552.63(0.0200)
• 790.0 4	0.657 18	⁸³ Rb(86.2 d)	520.39(44.7), 529.635(29.3), 552.63(16.0)
790.0 5	†1.25 21	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
790.04 16	†7.4 7	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
790.1 2	0.126 11	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 790.12	0.0106 21	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
790.12 6	0.307 20	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
790.2 2	0.086 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 790.20 20	0.041 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
790.2 4	0.9 3	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
790.2 1	63.5 17	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 195.0(22.6)
790.3 3	0.74 9	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
790.3 10	1.8 3	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
790.32 7	0.125 10	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
790.4 4	0.023 4	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
790.5 3	1.7 3	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
790.5	†145 8	²⁰² Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
790.5 5	0.104 11	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
790.6 2	0.57 16	¹⁰⁸ Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
790.6 3	0.094 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
790.6 2	†2.55 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
790.61 3	0.0141 12	¹⁶¹ Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
• 790.7 2	0.455 16	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 790.712 6	0.743 10	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 790.712 6	0.028 8	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
790.80 20	0.44 4	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
790.8 6	0.07 7	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
790.8 2	0.114 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
790.8 3	0.28 3	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 790.873 18	0.458 11	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
790.9 4	1.57 6	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
790.90 20	2.9 3	¹⁹⁰ Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
791.0	0.017	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
791.0 2	†5.3 × 10 ² 10	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
791.0 3	1.24 6	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
791.0 7	0.46 10	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 791.07 2	0.0133 4	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
791.10 14	0.25 3	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
791.10 25	0.58 17	¹²² In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
791.1 5	0.25 11	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
• 791.146 7	0.0092 21	⁷⁷ Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
791.19 5	3.26 24	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
791.2 4	0.099 20	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
791.3 1	0.80 23	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
791.3 3	0.039 15	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
791.3	0.009	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
791.32 12	0.31 3	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
791.4 3	1.64 12	¹⁵⁸ Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
791.4 4	†13	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
791.4 5	0.041 17	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
791.4 2	†15.3 7	²⁰¹ Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
791.49 25	0.024 7	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
791.5 2	0.0129 25	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
791.5	0.024 7	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
791.5 2	0.064 12	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
791.53 23	1.6 5	⁸⁰ Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
791.6 3	1.6 3	¹¹² Rh(3.8 s)	348.70(33), 388.20(4), 777.5(3.6)
791.6 2	0.084 14	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
791.6 4	0.12 4	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
791.645 20	7.83 5	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
791.68 22	†5.0	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
791.7 5	0.020 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 791.7 3		¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
791.75 8	0.144 13	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
791.777 6	1.07 4	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
791.8	0.06 3	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
791.8 3	†0.45 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
791.9 1	0.36 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
791.9 2	†0.4 2	¹⁹² Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
791.94 5	†10 3	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 791.94 5	0.254 15	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
791.98 15	0.24 5	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
792		¹³⁰ Pr(40.0 s)	951.9, 499.0, 1405
• 792.00 15	0.105 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
792.0 10	0.61 20	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 792.0 2	0.015 3	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
792.0 5	0.16 4	²³⁷ Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
792.03 7	0.0088 8	⁶² Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
792.05 19	0.011 3	⁹⁰ Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
792.06 10	1.75 14	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
792.071 6	14.5 4	¹⁸⁴ Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 792.071 6	37.5 6	¹⁸⁴ Re(38.0 d)	903.279(37.9), 111.208(17.1), 894.757(15.6)
• 792.071 6	3.69 8	¹⁸⁴ Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
792.1 5	†<0.1	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
792.1 1	0.66 4	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
792.2 3	0.31 7	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
792.2 5	1.1 6	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
792.2 3	†2.3 5	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
792.2 2	†3.6 5	¹⁶⁸ Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
792.2 3	0.65 10	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
792.2 3	0.12 3	¹⁸⁸ Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
792.3 3	0.023 5	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
792.3 3	0.18 6	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
792.3 4	0.17 5	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
792.31 5	5.2 4	¹⁰⁶ Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
792.4 4	0.043 12	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
792.4 2	†0.28 11	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
792.4 2	2.02 14	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
792.43 20	2.4	¹²⁵ Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
792.43 20	0.43	¹²⁵ Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
792.48 22	0.0172 14	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
792.5 1	2.5 3	¹⁰⁴ Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
792.50 20		¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
792.5 3	4.39 14	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 650.4(4.03)
792.5 4	0.065 18	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 792.5 5	0.023 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
792.50 10	0.93 15	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
792.5 4	0.056 17	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
792.5 3	0.52 6	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 792.59 6	0.118 5	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
792.6 3	1.57 15	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
792.6 9	0.11 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
792.6 2	0.28 3	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
792.6 6	0.00075 15	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 792.6 6	†0.0044 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 792.608 8	2.0×10^{-8} 4	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
792.69 4	1.35 8	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
792.70 9	13.8 7	⁹⁷ Pd(3.10 m)	265.26(56), 475.2(26.7), 1759.60(6.8)
792.7 2	0.3 1	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
792.7 4	1.14 18	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
792.71 16	0.29 4	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
792.8 2	0.11 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 792.8 7	0.0022 16	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
792.8 4	0.039 16	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
792.8 3	0.044 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
792.83 3	0.71 7	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
792.84 24	0.37 12	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
792.9 5	0.76 9	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
792.9 9	0.11 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
792.9 4	0.022 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
792.94 6	5.0	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
792.94 6	34	⁸¹ Ge(7.6 s)	335.98(58.9), 1495.53(19.9), 93.10(13)
792.98 19	0.88 9	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
793.0 5	0.0714 22	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
793.0 2	0.96 13	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
793.0 3	0.219 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
793 1		²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
793.02 23	1.22 8	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
793.08 10	0.51 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
793.1 2	1.71 11	⁷⁵ Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
793.10 7	0.108 6	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
793.1 4	0.05 5	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
793.11 6	6.3 6	^{48}K (6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)
793.11 6	3.3	^{48}K (6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)
• 793.278 25	0.016 4	^{122}Sb (2.70 d)	564.119(69), 692.794(3.78), 1256.901(0.80)
793.278 25	1.297 25	^{122}I (3.63 m)	564.119(18), 692.794(1.325), 683.647(0.778)
793.28 7	0.087 6	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
793.3 1	35	^{84}Y (4.6 s)	
793.3 1	99	^{84}Y (40 m)	974.6(75), 1040.2(56), 660.9(15.7)
793.30 25	5.6 9	^{106}Rh (131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 793.30 25	5.9 3	^{106}Ag (8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
• 793.4 4	0.042 6	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
793.4 3	0.76 3	^{88}Br (16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
793.4 3	1.30 15	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
793.4 5	$\dagger < 0.1$	^{129}Ba (2.17 h)	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
793.43 3	0.0225 18	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
793.5	2.8	^{83}Zr (44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
793.5 7	1.0 3	^{128}La (5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
793.5 3	$\dagger 5.0 15$	^{129}Sb (17.7 m)	759.8($\dagger 100.0$), 657.78($\dagger 92$), 433.76($\dagger 73$)
793.5 2	$\dagger 3.7 12$	^{131}Sn (56.0 s)	1226.03($\dagger 100$), 450.03($\dagger 90$), 798.50($\dagger 86$)
793.5	> 0.13	^{143}Cs (1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
793.53 2	86 4	^{130}Sb (6.3 m)	839.49(100), 182.36(41), 1018.01(30)
793.53 2	100 5	^{130}Sb (39.5 m)	839.49(100), 331.05(78), 182.36(65)
793.55 8	0.0029	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
793.60 9	0.10 2	^{87}Zr (1.68 h)	1227(1.0), 1209.8(0.33), 1024(0.28)
793.6 1	0.063 3	^{91}Sr (9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
793.6 2	0.175 24	^{107}In (32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
793.6 4	0.59 6	^{177}W (135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
793.65 6	1.08 5	^{93}Rb (5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
793.7 3	0.094 10	^{118}I (13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
• 793.72 10	0.029 4	^{165}Tm (30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 793.75 3	18.10 25	^{131}Te (30 h)	773.67(49.9), 852.21(27.0), 1125.46(14.9)
793.8 3	1.12 21	^{104}In (1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
793.8 6	0.018 3	^{111}Pd (23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
793.9 2	0.71 5	^{143}Gd (39 s)	258.81(75), 204.77(19.4), 463.7(9.9)
• 793.97 4	0.0707 19	^{171}Lu (8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
794.0 15	0.041 14	^{89}Nb (1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
794.0 3	0.59 15	^{109}In (4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
794.00 15	0.28 3	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 794.17 15	0.037 7	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
794.18 12	0.30 4	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
794.2 12		^{186}Ir (16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
794.24 10	0.88 4	^{147}Pr (13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
794.28 9	0.085 3	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
794.3 4	2.46 12	^{154}Pr (2.3 s)	162.4(15), 932.1(11.7), 70.8(11.22)
794.3 4	1.7 3	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
794.33 3	0.277 7	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
• 794.386 15	0.0540 18	^{67}Ga (3.2612 d)	93.311(39.2), 184.577(21.2), 300.219(16.80)
794.41 5	2.99 20	^{166}Lu (2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
794.44 11	0.72 6	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
794.46 22	0.68 18	^{122}In (10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
794.5 5		^{134}Pr (11 m)	293.5($\dagger 100$), 299.0($\dagger 100$), 1196.8($\dagger 100$)
794.5 5		^{134}Pr (17 m)	1964.1($\dagger 100$), 1904.3($\dagger 100$), 1579.9($\dagger 100$)
794.6 2	0.26 3	^{65}Ga (15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
• 794.60 21	0.00056 14	^{129}Te (33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
794.6 6	0.11 3	^{140}Cs (63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
794.6 5	$\dagger 4.5$ 15	^{164}Tm (2.0 m)	91.40($\dagger 1500$), 1154.66($\dagger 366$), 768.91($\dagger 279$)
794.69 12	0.025 8	^{187}W (23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
794.7 3	$\dagger 0.34$ 13	^{95}Pd (13.3 s)	1350.9($\dagger 105$), 716.6($\dagger 70.63$), 381.8($\dagger 50.8$)
794.7 4	4.8 9	^{98}Cd (9.2 s)	347.18(78), 1176.1(66.3), 107.28(43.7)
794.7 1	0.0050 6	^{127}Cs (6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 794.7 3	0.031 7	^{149}Gd (9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
• 794.7 1	0.0006	^{235}U (7.038 $\times 10^8$ y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
794.72 7	3.36 23	^{209}Rn (28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
794.78 10	0.104 8	^{85}Br (2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
• 794.780 20	0.0246 13	^{152}Eu (13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
794.780 20	$\dagger 4.3$ 5	^{152}Tb (17.5 h)	344.281($\dagger 1500$), 586.294($\dagger 223$), 271.135($\dagger 203$)
794.780 20	0.19 3	^{152}Tb (4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
794.8 4	0.059 17	^{119}Te (16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
794.85 7	1.10 11	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
794.9	0.2	^{148}Dy (3.1 m)	620.24(96), 1247.2(1.4), 178.3(0.5)
794.9 3	0.18 3	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
794.9 2	0.67 8	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 794.92 20	$\dagger 9 \times 10^{03}$	^{241}Am (432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
794.947 6	4.34 11	^{228}Ac (6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
794.947 6	2.09 9	^{228}Pa (22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
795		^{112}In (14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
795.0 6	0.029 12	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
795.1 6	0.15 4	^{101}Sr (118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
795.1 4	$\dagger 1.4$ 4	^{185}Pt (33.0 m)	229.60($\dagger 100$), 135.3($\dagger 80$), 197.4($\dagger 74$)
795.1 4	$\dagger 9.6$ 16	^{206}Rn (5.67 m)	497.7($\dagger 100$), 324.5($\dagger 96$), 386.6($\dagger 61$)
795.1 1	0.37 3	^{226}Fr (48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
795.2 2	0.45 9	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 795.2 5	0.030 8	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
795.2 2	0.21 5	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
795.2 1	9.9 5	^{188}Tl (71 s)	412.7(88), 592.0(61), 504.2(23.3)
795.29 12	0.228 20	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
• 795.3 2	0.044 3	^{124}I (4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
795.3 5	0.071 16	^{227}Fr (2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
795.4 3	0.17 5	^{104}Tc (18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
795.42 3	0.32 3	^{110}In (4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
795.5 4	0.023 23	^{135}I (6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
795.5 2	0.7	^{146}Cs (0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
795.54 11	0.09	^{162}Ho (67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
795.6 3	0.083 17	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 795.69 3	0.140 6	^{205}Bi (15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
795.7 2	0.310 20	^{132}Sn (39.7 s)	340.53(49), 85.58(48.2), 899.04(44.8)
795.7 3	5 1	^{150}Tb (5.8 m)	638.05(100), 650.4(70), 438.37(42)
• 795.74 9	0.059 5	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
795.8 4	0.29 3	^{76}Kr (14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
795.8 4	0.31 16	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 795.845 22	85.44 38	^{134}Cs (2.062 y)	604.699(97.56), 569.315(15.43), 801.932(8.73)
795.845 22	0.0076 5	^{134}La (6.45 m)	604.699(5.05), 1554.934(0.414), 563.227(0.359)
• 795.85 8	0.00070 9	^{131}Ba (11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
795.87 9	0.78 7	^{205}Po (1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
795.9 1	0.257 20	^{145}Cs (0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
795.9 1	0.10 3	^{149}Tb (4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
795.9 1	$\dagger 111$	^{149}Tb (4.16 m)	651($\dagger 37$), 164.98($\dagger 8.3$), 773($\dagger 3.9$)
795.92 7	0.33 3	^{183}Os (9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
795.93 9	0.0070 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
796.0 5	0.42 8	⁸⁸ Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
• 796.0 5	0.07 3	⁹⁹ Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
796.0 5	0.19	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
796	†0.10 1	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
796.0 2	0.16 3	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
796	0.014	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
796.09 15	0.10	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 796.10 10	0.004 3	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
796.10 10	0.074 22	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
796.1 5	†>1.4	¹¹⁰ Tc(0.92 s)	240.67(†100), 372.1(†17.0), 613.0(†16.0)
796.1 3	0.0035 15	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
796.1 1	2.58 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
796.2 7	0.41 9	¹¹⁰ Sb(23.0 s)	1211.87(92), 985.03(31.2), 1243.6(13.4)
796.2 2	18	¹⁴⁹ Tm(0.9 s)	158.8(12.3), 416.7(11), 907.3(8)
796.20 20	0.577 20	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
796.2 2	0.065 11	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
796.2 3	0.31 6	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
796.2	>0.0010	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
796.21 40	0.034 7	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
796.22 5	0.0114 15	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 796.25 24	0.0029 12	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
796.25 24	†63	¹⁰⁵ Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
796.29 22	0.254 20	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
796.3 2	0.027 4	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
796.3 3	0.8 3	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
796.37 20	0.25 7	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
796.4 4	4.5 5	⁷¹ Br(21.4 s)	260.5(8.0), 233.7(6.5), 171.6(6.2)
796.4 3	0.238 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
796.4 3	0.30 7	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
796.4	0.14	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
796.44 7	0.057 6	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
796.462 25	0.0665 20	¹⁰⁷ Cd(6.50 h)	93.124(1.45), 828.93(0.17), 324.81(0.0314)
796.5 1	0.0038 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
796.5 3	4.2 4	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
796.5 6		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
796.54 11	0.640 13	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
• 796.56 10	0.016 6	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
796.6 4	0.073 20	¹⁰⁰ Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
796.60 11	1.17 10	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
796.6 5	0.0118 20	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
796.67 8	0.014 3	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
796.7 2	0.7 2	¹⁰⁴ Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
796.7 5	0.8 3	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
796.7 1	†3.3 3	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
796.7 3	0.88 18	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
796.7 3	†0.66 11	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
796.7 1	7.9 4	²⁰⁰ Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
796.8 5	0.150 12	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
796.8 5	0.054 11	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 796.8 6	0.022 8	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 796.8 2	†0.050 7	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
796.83 10	5.3 7	¹¹⁰ Rh(3.2 s)	373.80(54), 439.79(6.5), 813.56(2.3)
796.85 15	1.13 9	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
796.9 3	0.088 20	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
796.9	0.018 9	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
796.9 5	1.2 3	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 796.9 3	1.5×10^{-8} 3	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 796.93 7	0.080 16	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
797 1	0.06 2	⁸⁷ Zr(1.68 h)	1227(1.0), 1209.8(0.33), 1024(0.28)
797.0 23	†2.6	⁸⁷ Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
797.0	0.018 9	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
797.0 3	0.172 20	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
797.0 7	0.33 3	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
797.02 20	0.0043 10	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
797.10 21	†7.2 12	¹⁰¹ Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
797.2 5	6.1 11	¹⁵⁹ Sm(11.37 s)	189.79(46), 861.97(18.2), 254.43(9.8)
797.2 5	0.0202 20	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
797.27 7	0.140 12	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
797.3 2	†24 7	¹¹² Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
797.3 3	0.88 15	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
797.36 24	0.27 7	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
797.38 32	0.06 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
797.4 5	4.5 5	⁷⁶ Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
• 797.4 5		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 797.42 10	0.0105 4	¹⁷² Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
• 797.45 6	0.0360 9	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
797.49 15	0.032 8	¹⁴³ Sm(8.83 m)	1056.58(4), 1514.98(1.39), 1173.18(0.88)
797.5 5	1.36 20	⁷² Cu(6.6 s)	652.4(68), 1004.6(12.0), 1657.7(10.1)
797.5 4	0.7 3	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
797.5 2	>0.06	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
797.5 3	0.114 14	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
797.5		²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
797.53 2	5.25 12	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
797.6 13	0.22 6	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
797.6 9	0.6 4	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
797.68 15	0.24 3	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
797.7 5	0.053 23	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
797.7 6	†7.7 11	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
797.71 8	0.17 3	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
• 797.73 6	0.109 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
797.8 2	†7.1 12	⁹⁴ Pd(9.0 s)	558.2(†100), 723.9(†12.1), 54.6(†11)
797.8 1	1.02 6	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
797.80 14	0.52 5	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
797.8 3	0.256 18	¹¹² Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
797.81 10	6.0 7	¹¹⁸ Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
797.81 10		¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
797.88 10	0.60 3	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
797.9 4	0.27 7	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
797.9 4	0.21 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
797.9 3	†7.5 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
• 798.0 2	0.016 8	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
798.0 5	0.071 11	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
798.0 5	0.19	¹⁰¹ Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
798		¹¹² In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
798.0 1	0.115 16	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
798.01 14	0.030 4	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
798.1 5	0.032 4	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
798.1 4	0.075 23	¹⁴³ Eu(2.63 m)	1107.3(8), 1536.8(3.29), 1912.7(2.13)
798.1 7	†2.0 6	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
798.14 8	1.18 6	¹⁴³ La(14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
798.2 2	†12 2	¹¹³ I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
798.2 5	0.16 4	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
798.2	0.14	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
798.20 12	0.24 3	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
798.23 6	0.108 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
798.35 18	0.047 7	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
798.35 21	†8.8 17	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 798.4 2	0.0230 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
798.4 3	12 5	¹²² Ag(0.48 s)	569.45(96), 759.70(33), 650.20(20)
798.43 6	0.191 20	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
798.48 18	5.3 6	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
798.50 2		¹³¹ Sn(56.0 s)	3267.5, 2470.5, 2039.25
798.50 2		¹³¹ Sn(58.4 s)	367.40, 285.0, 62.9
798.50 2	†86 10	¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 304.33(†32.0)
798.5 5	0.50 8	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
798.5 2	0.047 8	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
798.5 3	†2.08 21	²⁰¹ Po(8.9 m)	967.4(†100.0), 964.3(†85), 411.9(†33.0)
798.59 15	0.133 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
798.6 3	0.082 10	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
798.6 5	0.49 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
798.6 1	0.77 11	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
798.6 1	0.32 7	¹⁶² Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
798.6 2	0.153 24	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
798.65 21	0.028 10	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
798.65 5	0.541 8	¹²⁶ Cs(1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
798.68 5	8.4 3	¹⁶² Tm(21.70 m)	102.00(17.5), 227.52(7), 900.7(6.5)
798.68 5	5.2 7	¹⁶² Tm(24.3 s)	811.52(6.5), 227.52(5), 900.7(4.0)
798.68 25	0.59 6	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
798.7 3	1.07 8	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
• 798.729 5	4.85 16	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
798.74 9	0.171 9	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
798.74 16	0.175 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
798.76 5	†16.9 5	¹⁶² Lu(1.37 m)	166.82(†100), 631.87(†26.6), 320.72(†15.19)
798.79 2	15.6 3	¹⁴³ Ba(14.33 s)	211.475(25), 980.45(11.55), 1010.29(9.54)
798.80 8	0.0480 11	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
798.80 4	25	²⁴⁶ Am(25.0 m)	1078.86(27.7), 1062.04(17.1), 1036.00(12.6)
• 798.80 4	61 4	²⁴⁶ Bk(1.80 d)	1081.40(5.8), 833.60(5.0), 1124.29(4.4)
798.84 20	0.16 3	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
798.85 75	0.156 21	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
798.87 14	1.70 20	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
798.89 6	10.7 8	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 668.10(9.7)
798.9 2	0.093 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
798.9 3	0.22 6	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 798.92 3	0.0482 14	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
798.92 9	0.60 11	²⁰³ Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
• 798.96 10	0.070 8	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
799.0 4	1.6 4	¹²⁵ Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
799 1		¹²⁸ Pr(3.1 s)	550.6, 873, 592
799.0 3	1.4 3	¹⁵⁴ Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
799.0 3	0.56 8	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
799.0 5	>0.15	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
799.0 4	0.38	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
799.07 8	14.8 15	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
799.07 8	1.26 5	⁸³ Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
799.1 2	0.44 12	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
799.1 2	0.100 18	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
799.19 4	0.060 20	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
799.2 4	0.022 17	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
799.2 5	0.58 15	⁹⁸ Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
799.2 2	†5.7 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 799.23 3	0.418 12	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 799.26 29	0.237 9	⁸³ Rb(86.2 d)	520.39(44.7), 529.635(29.3), 552.63(16.0)
799.3	0.7	¹⁴⁷ Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
799.4 3	0.15 3	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
799.40 18	2.40 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
799.5 2	0.7	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
799.5 3	0.021 11	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
799.55 4	600	¹⁵⁴ Nd(25.9 s)	151.703(†800), 180.693(†510), 83.697(†410)
• 799.60 15	0.0015 5	⁹⁵ Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
799.6 6	0.016 10	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
799.6 6	0.27 6	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
799.6 3	†3.0 8	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
799.60 7	1.03 5	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
799.64 6	9.4 10	¹⁸² Hf(61.5 m)	942.80(18.8), 114.3152(6.2), 339.65(5.6)
799.67 27	0.33 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
799.7 3	0.29 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
799.7 5	0.005 3	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
799.7 2	0.065 11	¹⁴² Eu(2.34 s)	768.1(10), 1658.1(1.75), 1754.1(1.49)
799.7	0.12	¹⁴⁸ Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
799.70 10	3.6 4	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
799.7 4	0.07 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
799.7 1	99	²¹⁰ Tl(1.30 m)	298(79), 1316(21), 1210(17)
799.7 1	0.0104 4	²¹⁴ Po(164.3 us)	298(0.000052)
799.7 2		²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
799.73 14	0.61 5	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
799.74 20	0.0043 10	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
799.76 15	0.033 11	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
799.77 30	0.08 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
799.8		¹⁵⁷ Lu(5.0 s)	967.5, 949.8, 880.5
799.8 3	†2.9 6	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
799.87 20	1.57 17	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
799.88 5	0.89 4	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
799.9 4	0.72 9	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
799.9 4	>1.3	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
799.9 4	0.039 21	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
799.92 15	0.00200 17	¹⁰⁷ Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
799.98 5	0.15 4	¹⁸² Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
800.0 6	0.31 6	¹⁰⁹ In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
800.0 2	1.49 13	¹⁹⁰ Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
• 800.01 8	1.49 10	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
800.06 70	†3.2 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
800.1 4	0.54 20	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
800.12 23	†4.0 8	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
800.23 16	0.047 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
800.23 4	0.101 5	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 800.28 5	1.07 4	¹²⁵ Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
800.3 2	0.39 8	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
800.3 2	0.126 12	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
800.3 3	1.0 3	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
800.40 10	0.50 3	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
800.4 9	0.039 13	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
800.4 5	0.10 3	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
800.4 4	0.16 9	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
800.45 28	0.98 13	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
800.5 2	0.132 22	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
800.50 8	2.21 11	¹⁵⁷ Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
800.5 10		¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
800.52 14	2.8 4	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
800.54 5	1.1 3	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
800.55 15	†28 4	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
800.57 18	>1.3	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
800.7 1	3.32 10	⁹⁶ Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
800.7 3	†2.7 7	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
800.7 2	0.82 17	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 800.729 15	0.032 5	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
800.729 15	0.098 20	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
• 800.75 4	0.190 6	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
800.8 6	10 3	¹⁷³ Er(1.4 m)	895.2(54), 199.2(48), 192.8(47)
800.87 18	0.070 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 800.9 3	0.00032 16	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
800.90 10	1.03 9	¹⁹⁵ Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
800.94 11	0.502 23	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
801 1	0.31 16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
801.0 2	0.027 3	¹¹³ Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
801.0 2	2.2 6	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
801.0 3	0.19 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
801.0 3	0.027 10	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
801.071	0.148 13	⁴³ K(22.3 h)	372.760(87), 617.490(79.2), 396.861(11.85)
801.1 5	0.017 12	⁸⁹ Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
801.1 10	0.08 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
801.17 17	0.20 6	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
801.2 2	†4.0 12	⁸⁷ Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
801.2 5	2.8 4	⁹⁰ Tc(49.2 s)	1054.3(100), 948.1(100), 944.7(36.6)
801.2 2	0.53 14	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
801.2 2	0.81 24	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
• 801.2		¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
801.24 19	†6.2 7	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
• 801.25 20	0.0358 18	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
801.26 17	2.02 18	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
801.35 10	1.60 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
801.4 2	0.21 5	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
801.5 3	0.17 3	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
801.6 3	5.3 5	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
• 801.6 2	0.025 10	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
801.6 2	73 2	¹⁵¹ Tm(4.13 s)	2115.8(13), 1548.6(10), 1140.2(10)
801.62 9	0.594 11	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
801.63 26	†1.4 3	¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
801.7 5	0.059 11	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
801.7	0.133 18	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
801.7 2	0.029 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
801.7 4	†100 33	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
801.7 3	0.33	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
801.7 2	0.014 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
801.8 4	†2.3 6	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
801.9 3	†2.9 6	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
801.9 3	0.19 3	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
• 801.932 22	8.73 4	¹³⁴ Cs(2.062 y)	604.699(97.56), 795.845(85.44), 569.315(15.43)
• 801.94 20	†1.36×10 ⁴ 14	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
802.0 3	0.40 15	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
802.0 3	7.0 7	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
802.00 20	0.33 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
802.0 3	0.141 14	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
802.0 5	0.64 21	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
802.0 5	†0.9 5	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
802 2	†5.7 18	¹⁸⁹ Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
802.0 8	0.24 3	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
802.0 5	>0.09	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
802.10 14	0.119 17	¹⁰³ Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
802.1 2		¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
802.1 2		¹⁰⁶ In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
802.1 5	†8.0 20	¹¹³ I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
802.1 1	0.0194 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
802.10 5	0.192 6	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
802.1 3	0.16 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
802.1 7	0.65 7	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
802.14 6	13.13 13	⁸⁸ Br(16.5 s)	775.28(63), 1440.69(4.72), 4148.05(4.03)
802.14 6	0.186 12	⁸⁹ Br(4.40 s)	775.28(5.16), 868.57(>0.18), 1577.41(0.048)
802.17 15	0.122 22	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
802.25 8	0.42 6	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
802.3 4	0.030 9	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
802.3 4	0.0030 15	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
802.3 1	†3.3 3	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
802.3 2	0.031 8	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 802.34 4	0.264 21	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
802.4 2	0.42 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
802.4 3	†11 2	¹³⁵ Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
802.4 4	2.5 7	¹³⁶ Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
802.4 4	0.0041 12	¹³⁷ Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)
• 802.40 20	0.0327 18	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
802.4 5	0.65 4	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
802.41 10	2.56 3	⁸⁵ Br(2.90 m)	924.63(1.63), 919.06(0.65), 1727.02(0.381)
802.50 8	0.179 15	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
802.5 1	†1.0 2	¹⁰⁴ Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
802.5 2	0.62 7	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
802.5 6	†>0.23	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
802.56 14	6.0 6	⁸⁴ Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
802.56 12	0.25 3	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
802.59 5	0.108 13	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
802.6 3	0.038 23	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
802.7 3	0.18 3	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
802.7 2	0.07 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
802.7 3	0.020 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
802.7 3	1.2 2	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
802.7 3	0.52	^{154}Pm (2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
802.7 5	0.00006 2	^{226}Th (30.9 m)	111.12(3.29), 242.12(0.866), 131.02(0.278)
802.8 2	0.124 25	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
802.8	0.6	^{147}Ce (56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
802.8 2	0.25 4	^{183}Au (42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
802.84 23	0.0280 11	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
• 802.87 6	0.150 20	^{48}V (15.9735 d)	983.517(99.98), 1312.096(97.5), 944.104(7.76)
802.87 6	0.0171 21	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
802.9 3	0.062 19	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
802.9 3	1.1 3	^{133}Te (55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
802.9 2	0.43 9	^{250}Es (2.22 h)	989.12(13.3), 1031.85(10.6), 828.82(5.5)
• 802.94 2	0.0429 14	^{149}Gd (9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
802.94 6	0.325 25	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
802.96 15	0.35 3	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
803.0 10	>0.8	^{89}Mo (2.04 m)	658.6(5.7), 1272.6(3.7), 844.0(3.7)
803.0 2	2.1 6	^{129}Sn (2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
803.0 1	†8.52 34	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
803.0 10	0.31	^{151}Ho (35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
803.06 16	1.5 7	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
803.1 5	†0.09 5	^{196}Bi (240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
803.10 5	0.0050 8	^{206}Tl (4.199 m)	362(<0.00026)
• 803.10 5	99	^{206}Bi (6.243 d)	881.01(66.2), 516.18(40.7), 1718.70(31.8)
• 803.10 5	0.00121 4	^{210}Po (138.376 d)	
803.2 2	†7.2 3	^{203}At (7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
• 803.2 2	6.4×10^{-8} 5	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
803.3 12	†80	^{91}Br (0.541 s)	262.7(†100), 364.8(†40), 185.6(†30)
803.3 3	0.131 19	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
803.4 2	1.87 13	^{55}Co (17.53 h)	931.3(75), 477.2(20.2), 1408.4(16.88)
803.40 20	3.96 17	^{83}As (13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
803.4 6	†6.3	^{107}Sn (2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
803.4 4	0.081 9	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
803.4	100	^{150}Ho (26 s)	653.3(100), 393.9(93), 550.9(88)
803.4	90	^{150}Ho (72 s)	591.3(23), 653.3(15.3), 983(9)
803.4 4	†0.12 2	^{184}Ir (3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
803.469 22	0.268 9	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
803.5 2	0.53 4	^{76}Br (16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
803.5 3	2.8 6	^{86}Br (55.1 s)	1564.92(64), 2751.2(21.1), 1361.65(10.4)
803.5 5	0.20 6	^{109}Ru (34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
803.5 2	0.063 3	^{223}Fr (21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 803.5 2	†0.061 7	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
803.58 10	0.64 6	^{121}Ag (0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
803.6 10	†1.2	^{179}Os (6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
803.65 16	0.018 6	^{157}Eu (15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
803.66 7	1.51 11	^{201}Pb (9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
803.7 5	0.020 6	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
803.75 6	0.833 23	^{81}Rb (4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
803.8 4	0.27 19	^{105}Tc (7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
803.8 3	0.034 6	^{111}Pd (23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
803.8 3	0.120 14	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
803.8 8	0.155 14	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
803.8 1	0.035 4	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
803.9 3	1.1 2	^{156}Pm (26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
804.0 4	0.22 6	^{115}Te (5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
804.04 18	0.0028	^{115}Sb (32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
804.1 6	0.68 23	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
804.1 3	†11.3 21	¹⁰⁹ Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
804.20 15	0.22 3	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
804.2 1	0.139 7	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
804.3 3	10	¹⁴⁵ Dy(13.6 s)	578.2(13), 639.6(12), 39.7
804.3 7	0.20 9	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
804.34 13	13.0 11	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 804.34 13	12.4 5	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
804.35 6	1.00 6	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
804.4 3	0.23 4	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
804.4 3	0.44 6	¹⁴¹ Eu(2.7 s)	394.0(0.60), 882.9(0.54), 518.8(0.45)
804.4	3.30 16	¹⁵⁰ Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
804.4 2	0.28 7	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
804.4 3	0.62 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 804.4 3	1.2×10^{-7} 5	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
804.5 3	2.0 5	¹⁰² Sr(69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
804.5 2	†6.0 6	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
804.52 9	0.61 7	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
• 804.54 20	0.250 21	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
804.60 13	0.0216 23	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 804.6 2	0.083 7	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
804.6 4	0.53 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 804.65 15	0.085 4	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
804.65 36	0.25 6	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
804.7	1.2	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
804.7 3	†3.4 10	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
804.7 2	2.57 16	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
804.8 2	0.54 8	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
804.8 4	0.45 6	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
804.8 2	3.6 4	²¹² Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
804.8 4	0.031	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 804.82 10	0.232 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 804.82 7	0.39 3	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
804.9 12	0.00153 3	¹⁸ N(624 ms)	1981.95(83.2), 821.76(49.0), 1651.61(48.9)
804.9 5	0.0019 3	²¹⁶ Po(0.145 s)	
804.91 21	†2.1	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 804.95 20	0.0062 10	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
804.96 25	†27	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
805.0 2	†33 3	²²⁷ Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
805.07 22	12.5 4	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 815.63(6.8)
805.1 3	5.6 6	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 1048.6(5.3)
805.11 13	3.1 16	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
805.2 3	†0.61 7	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
805.2 3	0.230 17	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
805.2 4		²¹⁹ Ra(10 ms)	592.0, 489, 315.82
805.24 24	0.71 8	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
805.24 3	1.65 6	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
805.3	0.064 14	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
805.3 2	1.01 5	¹⁴³ Eu(2.63 m)	1107.3(8), 1536.8(3.29), 1912.7(2.13)
805.32 5	0.74 4	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
805.32 15	0.18 4	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
805.4 4	0.076 19	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
805.4 2	0.153 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
805.44 6	0.14 3	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
805.47 2	0.79 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
805.52 10	20	¹⁴⁰ Xe(13.60 s)	1413.66(12.2), 1315.05(8.2), 621.874(8.0)
805.57 20	0.014 6	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
805.57 12	0.396 23	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
805.6 1	1.4 3	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
805.6 1	0.57 17	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
805.6 8	0.28	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
805.6 16	0.030 5	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
805.6 10	†1.8	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 805.648 8	2.7×10^{-8} 4	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 805.7 1	0.0027 3	¹⁷⁷ Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
805.7 3	8.8 22	¹⁸¹ Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
• 805.7	4.0×10^{-5} 3	¹⁸⁵ Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
805.7	†44	²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
• 805.72 4	0.0127 10	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
805.75 6	<1.6	⁶⁸ Cu(3.75 m)	1339.96(12.0), 1077.35(12), 1041.3(9.6)
805.75 6	1.2 9	⁶⁸ Cu(31.1 s)	1077.35(64), 1260.97(12.5), 1883.09(2.4)
805.75 6	0.089 4	⁶⁸ Ga(67.629 m)	1077.35(3.0), 1883.09(0.130), 1260.97(0.0900)
805.80 5	2.52 15	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
805.80 5	$\dagger 4.3 \times 10^3$ 5	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 805.80 5	0.182 19	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 805.80 5	6.0×10^{-8} 3	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
805.84 15	0.045 10	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
• 805.85 25	0.018 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
805.88 5	0.49 4	¹¹⁴ Ag(4.6 s)	558.454(20.40), 576.08(1.77), 1301.234(1.31)
805.9 5	0.28 9	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
805.9 4	8.4 9	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
805.9 1	3.6 7	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
805.9 3	0.9 3	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
805.9 4	0.15 8	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
805.94 6	1.19 8	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
806.0 1	1.75 12	⁹⁴ Sr(75.3 s)	1427.7(94), 723.8(2.40), 703.9(2.13)
806.0 4	0.80 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
806.1 5	†1.04 21	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
806.1 5	0.28 11	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
806.174 18	1.12 3	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
806.2 2	0.14 5	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
806.2 2	0.22 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
806.2 3	0.17 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 806.26 30	$\dagger 3.1 \times 10^3$	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
806.3 4	0.19 5	⁶¹ Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
806.3 2	0.38 6	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
806.3 4	0.11	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
806.32 5	4.05 17	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
806.32 21	0.0141 25	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
806.34 5	0.454 5	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 806.34 2	0.0287 9	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
• 806.372 17	9.5 3	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
806.4 3	0.18 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
806.4 2	†1	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
806.4	0.064 14	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
• 806.4 3	0.0038 7	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
806.4 7	0.96 10	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
806.4 5	0.013	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
806.44 8	0.53 4	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 806.49 4	0.159 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
806.5 1	0.12 4	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
806.52 7	0.96 3	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
806.55 27	0.31 6	⁸⁸ Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
806.58 2	0.73 6	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
806.6 5	0.32 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
806.62 7	0.083 5	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
806.63 5	0.219 8	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
806.7 2	0.25 4	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
806.80 25	16.1 9	¹¹⁶ Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
806.83 8	0.9 3	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
806.9 2	1.17 19	¹³⁵ Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
807.0 4	0.19 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
807.0 5	0.028 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
807.0 15	2.1 6	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
807.01 10	1.63 15	¹³⁰ In(0.32 s)	1905.17(74), 129.80(61), 1221.24(60)
807.01 10	6.2 4	¹³⁰ In(0.55 s)	1221.24(89), 774.37(46), 89.23(20.2)
807.04 18	0.084 14	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
807.1 5	0.11 3	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
807.1 1	†1.05 21	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
807.137 25	5.85 24	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
807.14 9	0.57 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
807.17 4	0.0012 6	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
807.2 3	0.046 17	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
807.236 16	1.281 25	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 807.25 10	0.99 7	⁹⁹ Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
807.3	0.7	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
807.3 1	0.050 5	¹⁹⁹ Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
807.33 8	0.70 6	⁸⁹ Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
807.36 1	0.292 12	²¹³ Bi(45.59 m)	440.46(26.1), 292.80(0.429), 1100.16(0.29)
• 807.38 8	22.7 5	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
807.4 4	†9 4	¹¹² Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
807.4 3	†5.7 9	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
807.4 2	†1.8 1	²⁰³ At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
• 807.46 7	1.16 7	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
807.5 3	†1.1	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
807.5	0.34 4	¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
• 807.5 10	†0.0031 15	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
807.53 8	42.8 13	¹⁶² Tb(7.60 m)	260.070(37.2), 888.20(38.7), 185.289(14.4)
807.53 8	0.073 8	¹⁶² Ho(15.0 m)	80.660(8.0), 1319.3(3.8), 1372.8(0.81)
807.53 8	0.08 3	¹⁶² Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
807.6 4	†100 7	¹⁹⁵ Bi(183 s)	831.7(†100), 776.2(†95), 134.4(†69)
807.65 20	0.12 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
807.68 9	0.48 6	¹⁸⁴ Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
807.7 2	1.34 9	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
807.7 1	0.21 2	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
807.7 3	0.081 9	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 807.7 4	0.022 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 807.86 10	6.5 4	⁴⁷ Ca(4.536 d)	1297.09(74), 489.23(6.5), 767.1(0.199)
807.86 4	13.65 22	⁶⁴ Ga(2.630 m)	991.52(43), 3365.86(13.1), 1387.34(11.8)
807.9 2	0.150 12	¹⁴³ La(14.2 m)	620.3(2.34), 643.75(1.55), 621.4(1.52)
• 807.90 6	0.56 5	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
807.9	100	¹⁵² Tm(5.2 s)	672.5(76), 422.4(66), 279.9(46)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
807.9	†100	¹⁵² Tm(8.0 s)	715.9(†13), 672.5(†9.5), 906.8(†6)
807.95 3	0.608 13	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
808.0 10	0.067 22	⁹⁹ Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
808	0.08	¹²⁵ Cs(45 m)	526(24), 111.8(9), 412(5)
808 1	0.29 5	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
808 1	0.07 3	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
808 1	0.18 9	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
808.04 25	3.3 5	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
808.1 3	6.2	⁶⁷ As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
808.1 3	0.020	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
808.1 5	†50 15	¹⁸² Lu(2.0 m)	818.4(†100), 720.6(†100), 97.79(†50)
808.1 3	†6 5	¹⁹⁴ Bi(106 s)	1308.3(†100), 671.8(†55), 965.4(†41)
• 808.11 5	0.0164 12	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
808.12 14	0.086 6	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
808.16 12	0.87 5	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
808.19 21	0.0148 24	⁵¹ Mn(46.2 m)	749.07(0.26), 1148.01(0.078), 1164.40(0.076)
808.20 10	0.036 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
808.20 10	†3.0×10 ³ 3	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 808.20 10	0.101 10	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 808.20 10	8.0×10 ⁻⁷ 2	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
• 808.21 4	1.21×10 ⁻⁷ 6	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
808.22 8	0.347 21	⁷⁹ Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
• 808.271 33	0.0295 25	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
808.28 10	>4.1	¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
808.28 12	0.094 12	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
808.29 5	3.9 6	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
808.29 3	0.236 10	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
808.3 2		¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
808.3 2		¹⁰⁶ In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
808.3 2	0.021 3	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
808.3	0.06	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
808.31 7	0.054 11	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
808.37 10	7.4 4	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 808.37 10	4.0 4	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
808.4 3	2.94 23	⁹⁶ Rh(1.51 m)	832.57(39), 1098.51(8.9), 1692.2(7.0)
808.4 4	0.8 3	¹²⁰ In(47.3 s)	1171.3(100), 1023.1(97.4), 197.3(80.6)
808.4 1	8.6 5	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
808.4 2	†1.27 11	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
808.45 4	0.57 3	⁸⁰ Ga(1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
808.48 6	0.029 5	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
808.5 7	0.0042	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
808.5 10	0.024	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
808.5 7	0.05 3	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
808.5 5	0.115 23	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
808.5	†31.6 20	²⁰² Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
808.56 7	†0.62 3	¹⁴⁸ Tb(60 m)	784.430(†119.0), 489.049(†28.0), 1079.025(†16.2)
808.56 7	2.9 3	¹⁴⁸ Tb(2.20 m)	784.430(100), 631.947(95), 882.3(92)
808.6 4	0.66 9	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
808.6 1	0.037 4	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
808.7 16	1.5 3	³¹ Na(17.0 ms)	2243.9(10.4), 171.1(4.8), 2022.2(3.8)
• 808.7 3	0.041 3	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
808.7 2	0.22 4	¹²¹ In(23.1 s)	925.57(87), 261.96(7.9), 657.32(7.1)
808.7 6	0.31 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
808.7 3	0.32 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
808.7 2	†0.58 9	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
808.79 9	0.153 19	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
808.8 2	0.6	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
808.8 3	0.12	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
808.8 3	0.20	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
808.843 20	0.189 13	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
808.9 1	0.099 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
808.9 5	0.56 9	¹⁹⁶ Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
808.93 7	0.99 13	¹³³ Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
809.00 6	3.26 14	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
809.0 4	0.52 8	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
809.0 2	0.41 9	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
809.1 2	21.5 13	⁶⁵ Ge(30.9 s)	649.7(33), 62.0(27), 190.8(10.3)
809.12 6	†32	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
• 809.17 10	0.097 6	⁷⁹ Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
809.18 13	0.0070 11	¹²⁵ Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
809.2 5	1.8 2	¹⁷⁶ Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
809.2 3	0.73 22	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
809.23 10	0.25 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 809.25 20	0.0278 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
809.3	1.9	⁴⁴ Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
809.3 3	0.29 6	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
809.3 5	0.3 1	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
809.33 6	0.63 7	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
• 809.38016	0.0413 16	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
809.4	5.4 3	³⁶ P(5.6 s)	3290.7(100), 901.8(70.4), 1638.2(35.3)
809.4 1	†17.1 13	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
809.4 3	0.18 3	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
809.401 34	71.9 23	⁹⁶ Sr(1.07 s)	122.297(76.50), 931.7(11.8), 530.0(9.0)
809.5 2	2.6 3	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
809.5 5	†27 13	¹³⁴ Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
809.57 5	0.40 3	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
809.6 3	6.4 6	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
809.6	0.016	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
809.6 4	†2.2 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
809.7 10	0.0122 24	¹⁴² Pm(40.5 s)	1575.85(2.0), 641.4(0.384), 2384.3(0.067)
809.74 12	0.50 5	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
809.8 3	34.3 15	⁹⁰ Tc(49.2 s)	1054.3(100), 948.1(100), 944.7(36.6)
809.80 20	2.04 15	⁹⁹ Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
809.8 10	0.07 4	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
809.8 2	7.0 7	¹⁵² Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
809.8 3	0.033 7	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
• 809.827 8	0.0171 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
809.83 20	4.7 3	¹⁰⁰ Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
809.9 1	0.015 2	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
809.9 2	†6.3 26	¹⁷² Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
809.9 4	†1.5 4	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
809.9 4	†1.77 23	²⁰¹ Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
809.98 2	0.0423 10	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
• 809.98 2	0.0312 9	¹⁴³ Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
810.00 18	0.015 3	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
810 1	1.2 3	¹⁶⁴ Tb(3.0 d)	168.838(25.4), 754.80(23.3), 215.07(21)
• 810.064 15	16.63 25	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
810.1 8	0.122 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
810.1 4	9.8 6	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 651.4(8.5)
• 810.12 4	0.0683 22	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
810.20 9	2.01 4	⁷² Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
810.2 3	0.40 20	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
810.2 2	4.2 3	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
810.20 4	0.38 5	¹⁸² Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
810.2 3	0.006 3	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
810.20 10	8.8 5	²⁵⁰ Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
• 810.27 20	0.52 5	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 810.276 8	58.08 22	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 711.683(55.32), 280.459(29.77)
810.276 8	1.092 25	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
810.29 3	6.2 6	¹²³ Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
810.29 3	0.31 20	¹²³ Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
810.3 3	†3.1 3	¹³⁸ Pm(3.24 m)	520.9(†100), 729.0(†37.8), 493.1(†21.6)
810.35 3	2.27 5	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
810.4 2	0.48 7	⁹⁸ Rb(114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
810.4 4	0.17 3	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
810.4 5	0.071 16	²²⁷ Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
810.459 7	0.025 8	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
810.459 7	0.92 14	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
• 810.459 7	0.317 4	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
810.459 7	0.0257 12	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
810.5 2	0.00091 20	¹⁸⁸ Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
810.51	42.1 8	³³ Ar(173.0 ms)	1541.2(1.0), 2351.7(0.7)
810.60 10	0.62 3	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
810.6 3	0.40 5	¹⁸⁴ Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 810.60 8	0.171 18	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
810.63 7	0.0025 5	¹⁹⁴ Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 810.63 7	0.192 24	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
810.64 19	0.38 4	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
810.764 15		⁵⁸ Mn(3.0 s)	1446.53(1.2), 2433.05(1.2), 2065.59(0.5)
810.764 15	<0.026	⁵⁸ Mn(65.3 s)	1323.09(6.44), 459.160(21.4), 863.935(14.8)
• 810.764 15	99	⁵⁸ Co(70.82 d)	863.935(0.683), 1674.679(0.518)
810.8 2	0.189 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
810.8 2	11.09 10	⁹⁶ Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
810.8 2	0.0019 9	⁹⁶ Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
810.8 4	†2.5 12	¹⁰¹ Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
810.9 5	0.45 5	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
810.9 8	†1.7 7	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
810.91 6	0.126 6	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
810.94 8	0.126 19	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
811.0 5	5.0 3	⁹¹ Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
811.0 3	0.26 4	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
811.0 7	0.7	²⁰⁰ Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
811.01 12	0.161 17	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
811.14 10	1.28 9	¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
811.14 10	1.10 18	¹⁰⁶ In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
811.18 9	1.21 15	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
811.2 1	0.060 15	¹⁰¹ Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
811.2 3	0.30 6	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
811.2 1	0.57 6	¹⁵³ Tm(1.48 s)	299.3(6), 765.5(1.92), 965.3(0.82)
811.2 3	0.31 7	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
811.2 4	0.40 8	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
811.24 23	2.5 4	$^{186}\text{Tl}(27.5 \text{ s})$	405.43(92), 402.72(45.9), 356.84(29.3)
811.34 11	0.347 20	$^{114}\text{Ag}(4.6 \text{ s})$	558.454(20.40), 576.08(1.77), 1301.234(1.31)
811.39 35	0.09 3	$^{137}\text{Nd}(38.5 \text{ m})$	75.5(17.0), 580.6(13), 306.60(10.0)
811.4 3	0.78 8	$^{67}\text{Ge}(18.9 \text{ m})$	167.01(84), 1472.48(4.9), 910.92(3.1)
811.40 15	0.018 6	$^{195}\text{Hg}(9.9 \text{ h})$	779.80(7), 61.46(6.2), 585.13(1.99)
811.423 8	4.3 3	$^{175}\text{Tm}(15.2 \text{ m})$	514.868(65), 941.23(15), 363.942(12.7)
811.49 10	0.386 18	$^{194}\text{Pb}(12.0 \text{ m})$	581.82(18.8), 1519.45(16.4), 203.82(16.2)
811.5 3		$^{182}\text{Au}(21 \text{ s})$	154.76(\dagger 100), 264.33(\dagger 40.0), 855.41(\dagger 14.5)
811.5 1	0.124 10	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
811.52 10	6.5 5	$^{162}\text{Tm}(24.3 \text{ s})$	798.68(5.2), 227.52(5), 900.7(4.0)
811.6		$^{157}\text{Eu}(15.18 \text{ h})$	63.929(23.0), 410.723(17.5), 370.509(11.0)
811.6 6	0.13 3	$^{162}\text{Tm}(21.70 \text{ m})$	102.00(17.5), 798.68(8.4), 227.52(7)
811.6 7	0.0078	$^{233}\text{Th}(22.3 \text{ m})$	86.477(2.7), 29.374(2.5), 459.222(1.4)
811.606 18	0.0165 15	$^{173}\text{Hf}(23.6 \text{ h})$	123.672(83), 296.974(33.9), 139.634(12.7)
811.7 3	0.73 8	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
811.7 2	0.40 11	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
• 811.79 5	9.70 4	$^{156}\text{Eu}(15.19 \text{ d})$	88.9667(8.4), 1230.68(7.98), 1153.67(6.79)
• 811.8 1	0.068 7	$^{151}\text{Pm}(28.40 \text{ h})$	340.08(23), 167.75(8.3), 275.21(6.8)
811.8 5	0.07 3	$^{159}\text{Er}(36 \text{ m})$	624.5(33), 649.1(23.4), 205.92(9.7)
811.8 3	\dagger 2.8 11	$^{165}\text{Lu}(10.74 \text{ m})$	132.49(\dagger 100), 120.60(\dagger 100), 174.25(\dagger 47.0)
811.8 5	\dagger 1.5 4	$^{183}\text{Hg}(9.4 \text{ s})$	60.5(\dagger 100), 159.91(\dagger 21), 172.70(\dagger 17)
811.8 3	0.076 6	$^{186}\text{Hg}(1.38 \text{ m})$	112.1(63), 251.5(55), 191.6(3.7)
811.81 4	0.198 9	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)
811.84 7	0.23	$^{137}\text{I}(24.5 \text{ s})$	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 811.85 3	\dagger 86.0 9	$^{56}\text{Ni}(5.9 \text{ d})$	158.38(\dagger 98.8), 749.95(\dagger 49.5), 269.50(\dagger 36.5)
811.9 3	0.75 8	$^{230}\text{Fr}(19.1 \text{ s})$	711.0(13.6), 129.1(11.0), 728.4(7.3)
811.92 6		$^{166}\text{Lu}(2.65 \text{ m})$	228.12(77.3), 337.50(41), 367.95(31.4)
811.92 6	9.8 6	$^{166}\text{Lu}(1.41 \text{ m})$	228.12(15), 102.38(13), 285.07(11.0)
811.98 4	0.404 21	$^{155}\text{Dy}(9.9 \text{ h})$	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
812 1	0.38 4	$^{83}\text{Se}(22.3 \text{ m})$	356.687(70), 510.17(43), 224.8(32.7)
812.0 2	5.5 4	$^{132}\text{I}(2.295 \text{ h})$	667.718(99), 772.60(75.6), 954.55(17.6)
812.0 9	0.08 3	$^{175}\text{Ta}(10.5 \text{ h})$	207.4(14.0), 348.5(12.0), 266.9(10.8)
• 812.01 30	\dagger 6.1 \times 10 ³ 8	$^{241}\text{Am}(432.2 \text{ y})$	59.537(\dagger 60), 26.345(\dagger 1000 \times 10 ⁹), 33.195(\dagger 6000 \times 10 ⁸)
812.1 8	0.095 20	$^{150}\text{Pm}(2.68 \text{ h})$	333.971(68), 1324.51(17.5), 1165.739(15.8)
812.1 5	0.20 7	$^{153}\text{Ho}(2.0 \text{ m})$	295.8(67), 637.0(5.36), 688.5(3.7)
812.1 3	0.29	$^{161}\text{Er}(3.21 \text{ h})$	826.6(3.0), 211.15(12.2), 592.6(3.7)
812.1 4	0.12	$^{161}\text{Er}(3.21 \text{ h})$	826.6(3.0), 211.15(12.2), 592.6(3.7)
812.12 9	0.55 5	$^{179}\text{Re}(19.5 \text{ m})$	430.221(28), 289.968(26.9), 1680.244(13.0)
812.16 3	0.81 4	$^{69}\text{As}(15.2 \text{ m})$	232.69(11), 145.95(4.96), 86.78(3.44)
812.2 3	0.25 4	$^{149}\text{Dy}(4.20 \text{ m})$	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 812.2 4	0.019 9	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
812.2 4	0.05 3	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
812.2 2	0.0225 3	$^{223}\text{Fr}(21.8 \text{ m})$	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 812.2 2	\dagger 0.169 19	$^{227}\text{Th}(18.72 \text{ d})$	235.971(\dagger 813), 50.13(\dagger 528), 256.25(\dagger 463)
• 812.287 11	0.009 5	$^{168}\text{Tm}(93.1 \text{ d})$	198.241(52.39), 815.990(48.99), 447.515(23.05)
812.3	\dagger 2.9	$^{144}\text{Gd}(4.5 \text{ m})$	333.3(\dagger 100), 2432.6(\dagger 94.8), 629.5(\dagger 32.4)
• 812.3 4	0.05 3	$^{146}\text{Eu}(4.59 \text{ d})$	747.2(98), 633.03(43), 634.07(37)
812.3 6	>0.2	$^{161}\text{Tm}(33 \text{ m})$	45.54(5.00), 1648.1(9.50), 84.40(9.4)
812.3 3	\dagger 100.0 31	$^{170}\text{Ho}(43 \text{ s})$	1894.5(\dagger 45.2), 78.6(\dagger 40), 1973.8(\dagger 36.5)
812.4 4	0.044	$^{43}\text{Ar}(5.37 \text{ m})$	975.0(34), 738.1(15), 1439.5(13)
812.4 4	0.022 17	$^{66}\text{Ge}(2.26 \text{ h})$	43.89(28.7), 381.85(28), 272.97(10.4)
812.4 2	\dagger 17.0 18	$^{104}\text{Nb}(0.92 \text{ s})$	192.2(\dagger 100), 368.4(\dagger 20), 620.2(\dagger 19.2)
812.5 5	0.14 4	$^{76}\text{Br}(16.2 \text{ h})$	559.101(74), 657.041(15.9), 1853.67(14.7)
812.581 15	2.95 8	$^{96}\text{Nb}(23.35 \text{ h})$	778.224(96.45), 568.80(58.0), 459.88(26.62)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 812.581 15	82 4	⁹⁶ Tc(4.28 d)	778.224(100), 849.929(98), 1126.965(15.2)
812.59 20	0.31 5	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
812.6 3	0.25 13	⁸⁰ As(15.2 s)	666.14(42), 1644.8(7.5), 1207.12(4.3)
812.6 3	0.040 13	⁸⁰ Br(17.68 m)	666.14(1.08), 687.4(0.012), 677.0(0.008)
812.6 3	0.19 7	⁸³ Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
812.6 1	14.6 8	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 548.3(14.0)
812.6 2	0.139 22	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
812.63 8	0.9 3	¹³⁶ I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
812.63 8	2.6 9	¹³⁶ I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
• 812.634 10	0.1470 24	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
812.635 22	0.0704 18	¹³⁵ Xe(9.14 h)	249.770(90), 608.151(2.90), 408.009(0.359)
812.68 17	†63 9	¹⁸⁹ Au(28.7 m)	713.17(†100), 447.65(†55), 348.14(†43)
812.8 5	43	¹²⁹ Sb(4.40 h)	914.6(20.0), 544.7(17.9), 1030.1(12.6)
812.8 2	†5.5 5	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
812.9 1	2.35 17	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
812.9 1	5.4 5	¹⁴³ Gd(39 s)	258.81(75), 204.77(19.4), 463.7(9.9)
812.9 3	0.28 3	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
• 812.92 11	0.00031 3	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
812.93 4	0.08	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
812.99 10	1.35 16	¹²² In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
813.0 2	0.113 11	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
813.0 4	1.40 19	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
813.0 3	0.060 18	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
813.1 3	0.68 14	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
813.15 28	0.39 5	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
813.19 8	0.0114 18	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
813.2 2	7.0 8	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 1037.3(6.6)
813.2 2	11.2	⁹⁷ Rb(169.9 ms)	815.0(100), 692.0(16.5), 414.3(15.0)
813.2 4	0.48 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
813.2 4	0.49 8	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
813.2 1	9.2 6	²⁴⁹ Es(102.2 m)	379.5(40.4), 375.1(3.3), 1218.5(1.5)
813.22 2	3.72 12	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
813.22 2	0.19 4	¹¹⁸ In(5.0 s)	1229.68(5.0), 528.83(0.7), 1173.59(0.43)
813.22 2	0.015 7	¹¹⁸ Sb(3.6 m)	1229.68(2.5), 1267.23(0.511), 528.83(0.472)
813.22 2	0.040	¹¹⁸ Sb(5.00 h)	1229.68(100), 253.68(99), 1050.69(97)
813.23 13	0.150 15	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
813.27 5	0.347 17	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
813.32 10	0.151 24	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
813.36 8	0.132 3	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
813.4 3	0.0097 11	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
813.4 2	0.12 3	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
813.41 10	0.18 3	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 813.504 8	4.5×10 ⁻⁸ 5	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 813.55 20	0.040 4	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
813.56 9	8.0 11	¹¹⁰ Rh(28.5 s)	373.80(91), 546.90(42.4), 687.70(25.8)
813.56 9	2.3 3	¹¹⁰ Rh(3.2 s)	373.80(54), 439.79(6.5), 796.83(5.3)
813.6 2	13 2	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
813.60 20	0.094 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
813.6 1	1.25 10	²⁴² Np(2.2 m)	735.93(5), 780.44(2.76), 1473.1(2.34)
813.63 9	1.9 3	¹²³ Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
813.7 2	†26 2	¹³⁵ Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
813.77 15	0.0072 16	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
813.8 3	0.053 16	¹¹¹ Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
813.9 5	1.7 3	⁹¹ Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
813.9 2	0.038 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 813.92 5	0.470 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
813.97 15	0.067 9	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
814.0 4	0.13 3	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
814.1 3	5.0 5	¹³² Sb(2.79 m)	973.9(99), 696.8(86), 989.6(14.9)
814.1 5	†46 13	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
814.1 1	0.0032 3	¹⁴⁴ Pr(17.28 m)	696.510(1.3), 2185.662(0.694), 1489.160(0.278)
814.1 1		¹⁴⁴ Pr(7.2 m)	1631.4(†2.8), 618.01(†1.5), 1885.0(†0.9)
• 814.1 1	0.55 3	¹⁴⁴ Pm(363 d)	696.510(99), 618.01(98.6), 476.8(42.0)
814.1 2	0.060 6	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
814.10 10	1.02 9	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
814.1 1	14.1 9	¹⁵⁴ Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
814.1 5	†0.08 2	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
814.15 11	0.025 5	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
814.17 12	0.022 7	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
814.2 3	1.20 11	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
814.2 4	0.14 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
814.2	†5.8 4	¹⁷⁸ Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
• 814.2 1	0.10 3	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
814.2 1	4.1 3	²³² Np(14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
814.2 1	0.309 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
814.25 6	0.164 5	⁸⁷ Kr(76.3 m)	402.586(49.6), 2554.8(9.2), 845.43(7.34)
814.29 10	0.0058 21	⁴⁵ K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
814.3 2	0.037 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
814.3 3	0.049 25	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
814.3 2	0.58 13	¹⁵⁶ Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
814.4 3	2.8 5	¹⁰² Sr(69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
814.4 3	22	¹¹³ Te(1.7 m)	1018.1(13.0), 1181.0(12.3), 644.8(6.4)
814.4		¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
814.4 3	0.25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
814.41 3	44.5 22	²⁰⁷ At(1.80 h)	588.33(19.2), 300.654(12.8), 467.12(7.1)
814.48 45	0.17 5	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
814.5 2	0.31	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
814.5 1	6.8 4	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
814.5 3	0.08	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
814.5 2	0.087 23	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
814.5 3		²²³ Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
814.58 5	0.0264 19	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
814.68 5	1.89 9	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
814.7 2	†15.1 7	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
814.7 2	30.9 15	¹³⁶ Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
• 814.70 25	0.0087 16	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
814.75 8	1.15 9	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
814.8 2	†2.57 18	¹³¹ Ce(5.0 m)	230.43(†100), 436.85(†7.3), 462.9(†6.9)
814.82 20	0.0117 23	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
814.98 3	33 2	⁹² Rb(4.492 s)	2820.6(6.2), 569.8(5.6), 1712.3(4.3)
814.98 3	27000	⁹³ Rb(5.84 s)	569.8(†800), 963.5(†460), 393.5(†380)
815.0 1	78.00 4	⁹⁶ Rb(0.199 s)	692.0(8.0), 813.2(7.0), 1037.3(6.6)
815.0 1	100	⁹⁷ Rb(169.9 ms)	692.0(16.5), 414.3(15.0), 813.2(11.2)
815.0 3	†0.4 2	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
815.0 4	†4 1	¹³⁶ Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
815.0 11	0.155 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
815.08 15	0.022 11	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
815.09 8	†1.08 9	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
815.1 3	0.021 7	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
815.1 4	7.1 12	⁸² As(13.6 s)	654.6(72), 343.5(58), 1895.4(39)
815.2	0.042 15	²⁶ Na(1.072 s)	1808.63(99.0), 1129.65(5.3), 2541.2(2.5)
815.21 15	0.23 3	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
815.28 19	1.07 15	¹⁹⁷ Pb(8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
815.3 3	†4.4 12	¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
815.3 5	†3.8 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
815.3	0.45	¹⁹⁹ Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
815.31 14	†5.5 4	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
815.31 16	2.5 7	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
815.32 9	0.179 15	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
815.35 4	0.0382 9	¹¹⁰ Ag(24.6 s)	657.7622(4.5), 1125.700(0.0153), 818.031(0.0090)
815.35 4	0.284 20	¹¹⁰ In(69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
815.4 3	0.047 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
815.4 1	†0.32 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
815.5	8.3 17	²³ F(2.23 s)	1701.44(33.0), 2129.3(22), 1822.4(15.6)
815.5 3	0.037 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
815.5 4	2.4 4	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
815.5 5	0.40 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
• 815.507 9	0.516 3	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
815.507 9	0.87 9	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
815.56 6	0.032 5	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
815.6 2	1.5 4	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
815.6 2	†9.5 10	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
815.6 1	0.23 3	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
815.63 10	6.8 13	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
815.7 6	8 1	¹⁶⁴ Ta(14.2 s)	211.05(74), 376.8(22), 605.0(14)
• 815.70 20	0.0233 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
815.7 4	0.43 9	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
815.73 17	0.351 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
815.77 17	0.133 13	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
815.77 17		¹¹² In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
815.77 6	0.088 24	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
• 815.772 19	23.28 19	¹⁴⁰ La(1.6781 d)	1596.210(95), 487.021(45.5), 328.762(20.3)
815.8 2	1.13 3	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
815.83 14	0.046 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
815.88 21	†3.6 6	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
815.9 3	†6	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
815.9 4	0.028	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
815.92 6	†45	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 378.32(†38)
• 815.95 4	0.213 9	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
815.990 4	18.6 5	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 821.164(34.5), 79.804(7.9)
• 815.990 4	48.99 16	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 447.515(23.05), 184.285(17.45)
816		¹³² Sn(39.7 s)	340.53(49), 85.58(48.2), 899.04(44.8)
• 816.00 8	0.214 22	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 816.00 8	0.06	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
816.00 20	0.120 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 816.0 2	2.4×10^{-8} 4	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
816.06 18	0.072 13	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
816.07 11	1.06 18	¹⁸⁷ Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
816.1 10	>1.3	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
816.1 3	0.18 6	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
816.1 1	0.54 12	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
816.1 1	0.011 2	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
816.1 2	0.41 4	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
• 816.19 10	0.047 9	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
816.2 3	0.54 12	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
816.2 1	0.0031 19	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
816.2 5	4	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 816.25 10		²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
816.3 3	0.026 3	¹¹³ Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
816.3 3	0.073 10	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
816.3 3	†0.59 7	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 816.32 4	0.0354 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
• 816.327 20	1.150 25	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
816.34 8	0.77 6	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
816.38 7	0.59 5	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
816.39 4	0.305 20	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
816.4 1	0.15 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
816.4 4	†0.67 19	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 816.44 8	0.049 5	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
816.48 3	12 1	¹³⁰ Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
816.5 5	0.101 24	⁹¹ Rb(58.4 s)	93.628(33.7), 2564.19(12.5), 3599.67(10.4)
816.5	0.19	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
816.5 10	0.017 7	¹⁴⁶ Pr(24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
816.5 4	0.37 7	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
816.5 3	0.30 5	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
816.5 3	0.47 3	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
816.54 8	0.00159 18	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
816.562 19	0.0099 7	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
816.6 5	0.36 5	⁸⁸ Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
816.6 2	10.9 10	¹³² Sb(2.79 m)	973.9(99), 696.8(86), 989.6(14.9)
816.64 4	0.070 11	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
816.692 13	0.307 7	⁶¹ Cu(3.333 h)	282.956(12.2), 656.008(10.77), 67.412(4.23)
816.7 2		¹⁵⁷ Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
816.7 1	0.320 16	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
816.71 10	0.031 3	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
• 816.71 10	8.0×10 ⁻⁷	²³² U(68.9 y)	57.762(0.200), 129.065(0.0686), 270.243(0.00316)
816.8 2	0.78 4	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
816.8 7	0.008 4	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
816.8 7	0.10 6	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
• 816.8 3	0.078 10	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
816.8 2	1.0	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
816.8 3	8.5 15	¹⁵⁰ Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
816.81 20	0.26 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 816.9 10	0.036 4	⁶⁹ Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
816.9 2	0.179 16	²²⁶ Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
817	>0.06	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
817.0 10	0.6 4	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
• 817.0 6	0.40 18	¹²⁷ Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
817.0 6	0.016	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
817.04 5	>6.0×10 ⁻⁵	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 817.04 5	0.091 3	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
817.04 20	0.85 9	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
817.1 2	11	¹²⁰ Ag(1.23 s)	505.9(71), 697.8(30), 1323.1(9)
817.1 2	11.59 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
817.1	0.049	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
817.2 2	1.6 3	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
817.2 1	$\dagger 10$ 1	^{153}Yb (4.2 s)	547.4($\dagger 100$), 674.1($\dagger 61$), 369.6($\dagger 32$)
817.2	>0.10	^{240}Np (7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
817.23 10	1.71 5	^{210}At (8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
817.24 10	4.01 19	^{121}Ag (0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
817.27 18	0.13 4	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
817.3 5	>0.14	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
817.4	$\dagger 0.65$ 7	^{135}Pm (49 s)	198.5($\dagger 100$), 207.2($\dagger 70$), 463.5($\dagger 62$)
817.4 3	0.081 18	^{141}Eu (40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
817.44 2		^{204}Po (3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
• 817.5 5	0.010 5	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
817.5	0.062 18	^{149}Tb (4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
817.55 12	0.419 19	^{144}Ba (11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
817.56 19	1.09 7	^{99}Pd (21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
817.6 10	0.9	^{99}Ag (124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
817.6 1	1.34 10	^{119}Cd (2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
817.6 3	0.26 8	^{159}Er (36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
• 817.6 4	0.211 9	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
817.6 2	0.16 3	^{209}At (5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
817.6 1	$\dagger 60$ 6	^{210}Fr (3.18 m)	643.8($\dagger 100$), 203.1($\dagger 35$), 901.3($\dagger 30$)
817.61 4	0.00093 19	^{155}Sm (22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
817.61 4	0.71 3	^{204}Po (3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
817.64 18	0.46 4	^{91}Kr (8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
817.67 10	0.409 25	^{199}Tl (7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
817.7 2	1.56 8	^{144}Eu (10.2 s)	1659.8(10), 2423.3(0.96), 763.0(0.045)
• 817.7 2	0.09 3	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 817.7 2	0.17 3	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
817.7 8	0.49 23	^{164}Tm (5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
817.7 9	2.1 6	^{168}Ta (2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
817.7 3	$\dagger 6$	^{179}Os (6.5 m)	65.39($\dagger 100$), 218.6($\dagger 17$), 32.3($\dagger 17$)
817.70 22	$\dagger 0.42$	^{183}Hg (9.4 s)	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
817.8 4	18.5 17	^{133}Sb (2.5 m)	1096.22(43.0), 2755(12.5), 836.88(11.1)
• 817.856 12	2.08 5	^{77}Br (57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
817.89 10	1.28 3	^{240}Np (7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 817.89 10	6.4×10^{-5} 5	^{244}Cm (18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63($<4.9 \times 10^{-7}$)
817.9 2	3.09 19	^{122}Cs (21.0 s)	331.1(48), 512.0(3.8), 843.0(1.90)
817.9 5	0.094 15	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
817.96 24	0.0113 14	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
818	0.19 3	^{130}La (8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
818 1	>0.35	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
818.0 20	0.120 13	^{145}Gd (23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
818.0 2	0.26 3	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
818.0 9	0.28 5	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
818.0 2	0.81 4	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
818.0 15	$\dagger 6$	^{223}Rn (23.2 m)	591.8($\dagger 100$), 635.2($\dagger 76$), 416.0($\dagger 55$)
• 818 1	$\dagger 0.0081$ 19	^{227}Th (18.72 d)	235.971($\dagger 813$), 50.13($\dagger 528$), 256.25($\dagger 463$)
818.0 8	0.6 3	^{228}Pa (22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
818.031 4	0.0090 5	^{110}Ag (24.6 s)	657.7622(4.5), 815.35(0.0382), 1125.700(0.0153)
• 818.031 4	7.29 4	^{110}Ag (249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
818.031 4	0.79 5	^{110}In (69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
818.031 4	2.26 10	^{110}In (4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
818.1		^{238}Pa (2.3 m)	1015.3($\dagger <100$), 1014.6($\dagger <100$), 635.18($\dagger 88$)
• 818.10 6	0.75 6	^{252}Es (471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
818.18	0.0057 16	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
818.2 2	$\dagger 2.5$ 3	^{152}Tb (17.5 h)	344.281($\dagger 1500$), 586.294($\dagger 223$), 271.135($\dagger 203$)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
818.2 5	$\dagger 1.0 \times 10^3$ 3	^{234}Pa (1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
818.23 10	0.00209 25	^{107}Cd (6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
• 818.23 8	1.04 4	^{206}Po (8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
818.29 1	0.274 6	^{139}Xe (39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
818.3 2	0.24 3	^{109}Ru (34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
818.37 23	1.8 3	^{78}Zn (1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
818.4 4	0.11 6	^{58}Cu (3.204 s)	1454.45(16.0), 1448.2(11.5), 40.3(4.8)
818.4 4	0.088 13	^{121}Xe (40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
818.4 3	$\dagger 0.64$ 8	^{129}Ba (2.17 h)	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
818.4 4	$\dagger 100$ 25	^{182}Lu (2.0 m)	720.6($\dagger 100$), 808.1($\dagger 50$), 97.79($\dagger 50$)
818.4 2	0.156 21	^{183}Ir (58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
818.5 5	1.4 4	^{97}Rb (169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
818.5 4	$\dagger 1.1$ 3	^{138}Pm (3.24 m)	520.9($\dagger 100$), 729.0($\dagger 37.8$), 493.1($\dagger 21.6$)
818.5 2	7.3 4	^{201}Bi (108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 818.514 12	$\dagger 100$	^{136}Cs (13.16 d)	1048.073($\dagger 80$), 340.547($\dagger 42.3$), 1235.362($\dagger 20.1$)
818.514 12	2.3	^{136}La (9.87 m)	760.50(0.289), 1322.76(0.264), 1310.31(0.099)
818.6 4	27.4 24	^{82}As (13.6 s)	654.6(72), 343.5(58), 1895.4(39)
818.6 3	0.32 6	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
818.65 15	0.0411 22	^{73}Se (7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
818.7 2	0.014	^{116}In (14.10 s)	1293.54(1.3), 463.16(0.25), 1252.5(0.031)
818.7 2	11.5 4	^{116}In (54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
818.7 2	0.17	^{116}Sb (15.8 m)	1293.54(85), 931.800(24.7), 2225.33(14.2)
• 818.7 5		^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
818.7	0.29	^{199}Po (4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
• 818.80 17	0.11 3	^{119}Te (4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
818.8	0.58 7	^{200}Po (11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
818.9 3	0.00069 20	^{161}Gd (3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
• 818.9 5	0.030 6	^{194}Au (38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 819.0	0.016	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
819.00 20	0.064 13	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
819.0 6	0.0012 12	^{235}Pu (25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
• 819.0 10	$\dagger 4.0 \times 10^3$ 6	^{241}Am (432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
819.02 4	0.0243 11	^{125}Xe (16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
819.10 20	0.13 3	^{150}Pr (6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
819.1 5	0.11	^{209}Rn (28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 819.187 13	7.45 10	^{232}Pa (1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
819.187 13	33.3 16	^{232}Np (14.7 m)	327.3(52), 866.760(24.4), 863.89(20.3)
819.19 12	0.64 3	^{95}Ru (1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
819.2 11	0.05 4	^{175}Ta (10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
819.2 1	1.88 10	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
819.21 7	3.7 4	^{187}Pt (2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
819.22 4	0.14	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
• 819.27 3	0.0133 22	^{148}Pm (5.370 d)	1465.12(22), 550.284(22.00), 914.85(11.46)
819.28 8	1.3 3	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 819.29 10	0.840 21	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
819.3 3	0.17 11	^{133}Te (55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
819.3 3	0.137 8	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
819.3	0.06 3	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
819.36 93	0.05 3	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
819.47 15	0.89 5	^{133}Ce (4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
819.49 10	0.26	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
819.49 10	0.65 5	^{205}At (26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 819.50 20	0.0314 9	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
819.50 20	2.24 5	^{194}Pb (12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
819.54 3	7.6 3	$^{122}\text{In}(10.3 \text{ s})$	1140.55(98), 1001.58(50.7), 1190.58(20.5)
819.6 2	$\dagger 0.34$ 12	$^{188}\text{Au}(8.84 \text{ m})$	265.63($\dagger 100$), 340.04($\dagger 23.9$), 605.5($\dagger 16.3$)
819.68 2	0.36 4	$^{145}\text{Cs}(0.594 \text{ s})$	175.36(20), 198.93(10.9), 112.46(10.71)
819.7 5	0.09 5	$^{157}\text{Tm}(3.63 \text{ m})$	455.00(9.3), 385.5(8.8), 348.40(8.4)
819.7 4	0.20 7	$^{159}\text{Er}(36 \text{ m})$	624.5(33), 649.1(23.4), 205.92(9.7)
819.7 6	0.025 4	$^{162}\text{Tb}(7.60 \text{ m})$	260.070(37.2), 807.53(42.8), 888.20(38.7)
• 819.72 10	0.031 9	$^{156}\text{Tb}(5.35 \text{ d})$	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
819.75 8	0.120 13	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
819.8 5	0.055 22	$^{109}\text{Ru}(34.5 \text{ s})$	206.29(22.0), 225.98(19.6), 1929.05(13.7)
819.9 2	1.74 19	$^{117}\text{Ag}(5.34 \text{ s})$	135.4(48), 386.8(39.9), 298.1(21.1)
819.95 10	0.262 19	$^{98}\text{Nb}(51.3 \text{ m})$	787.374(93), 722.645(73.8), 1168.830(17.8)
820.0 5	0.36 10	$^{97}\text{Rb}(169.9 \text{ ms})$	167.1(26), 585.2(21.0), 600.5(10.6)
820.00 20	0.014 5	$^{105}\text{Ru}(4.44 \text{ h})$	724.21(47), 469.37(17.5), 676.36(15.7)
820 1	3.8 10	$^{176}\text{Re}(5.3 \text{ m})$	240.17(48), 109.08(25.0), 848.7(4.0)
820.0 5	0.015 5	$^{189}\text{Pt}(10.87 \text{ h})$	721.41(9.3), 94.33(7.6), 568.84(7.1)
820.0 6	1.2 3	$^{191}\text{Hg}(50.8 \text{ m})$	252.5(57), 420.1(18.6), 578.6(17.6)
820.06 3	1.20 8	$^{208}\text{Rn}(24.35 \text{ m})$	426.78(7.07), 251.05(5.02), 350.026(3.34)
820.09 7	3.29 25	$^{158}\text{Tm}(3.98 \text{ m})$	192.13(62), 335.10(16.8), 1149.83(7.6)
820.1 2	$\dagger 17$ 4	$^{112}\text{Te}(2.0 \text{ m})$	372.70($\dagger 100$), 296.20($\dagger 86$), 418.9($\dagger 57$)
820.1 3	0.059 10	$^{123}\text{Xe}(2.08 \text{ h})$	148.9(49), 178.1(14.9), 330.2(8.6)
820.10 3	0.36 3	$^{191}\text{Au}(3.18 \text{ h})$	586.45(17), 277.88(7.2), 674.19(6.8)
820.106 25	0.0081 6	$^{165}\text{Dy}(2.334 \text{ h})$	94.700(3.58), 361.68(0.84), 633.415(0.568)
820.20 5	4.4 3	$^{109}\text{Ru}(34.5 \text{ s})$	206.29(22.0), 225.98(19.6), 1929.05(13.7)
820.2 3	0.23 3	$^{181}\text{Au}(11.4 \text{ s})$	198.60(4.4), 2022.4(4.2), 79.40(4.2)
820.29 10	0.138 18	$^{153}\text{Dy}(6.4 \text{ h})$	80.723(11.10), 213.754(10.90), 99.659(10.51)
820.3 2		$^{106}\text{In}(6.2 \text{ m})$	632.66(100), 861.16(92), 997.87(48)
820.3 3	0.019 6	$^{119}\text{I}(19.1 \text{ m})$	257.52(87), 635.86(2.69), 320.53(2.17)
820.3 4	0.14 3	$^{124}\text{In}(3.17 \text{ s})$	1131.64(68), 3214.15(21.5), 997.79(21.1)
820.3 4	0.90 20	$^{124}\text{In}(2.4 \text{ s})$	1131.64(100), 969.94(52), 1072.85(47)
820.3 3	30	$^{203}\text{Bi}(11.76 \text{ h})$	825.2(14.6), 896.9(13), 1847.4(11.4)
820.34 10	0.116 15	$^{132}\text{Ce}(3.51 \text{ h})$	182.11(77), 155.37(10.5), 216.83(4.95)
• 820.36 7	0.169 5	$^{156}\text{Eu}(15.19 \text{ d})$	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
820.4 4	0.22 4	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
820.40 12	0.032 5	$^{155}\text{Dy}(9.9 \text{ h})$	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
820.4 1	$\dagger 6.1$ 5	$^{160}\text{Lu}(36.1 \text{ s})$	243.2($\dagger 100$), 395.4($\dagger 21.0$), 577.2($\dagger 10.7$)
820.44 13	2.67 11	$^{172}\text{Ta}(36.8 \text{ m})$	214.02(46), 95.23(17.5), 1109.27(12.4)
820.45 5	3.71 19	$^{93}\text{Kr}(1.286 \text{ s})$	253.42(41.2), 323.89(24.1), 266.83(20.6)
820.5	0.14 2	$^{107}\text{Tc}(21.2 \text{ s})$	102.70(21.0), 177.00(9.2), 106.31(7.6)
820.5 4	0.078 6	$^{139}\text{Xe}(39.68 \text{ s})$	218.59(56), 296.53(21.7), 174.97(11.3)
820.5 7	0.31 3	$^{199}\text{Bi}(27 \text{ m})$	560.1(22.0), 424.85(22), 841.7(11)
820.50 15	0.53 7	$^{207}\text{At}(1.80 \text{ h})$	814.41(44.5), 588.33(19.2), 300.654(12.8)
820.5 5	0.010	$^{249}\text{Es}(102.2 \text{ m})$	379.5(40.4), 813.2(9.2), 375.1(3.3)
820.5 5	>0.010	$^{249}\text{Es}(102.2 \text{ m})$	379.5(40.4), 813.2(9.2), 375.1(3.3)
820.506 24	0.155 5	$^{133}\text{I}(20.8 \text{ h})$	529.872(87.0), 875.329(4.51), 1298.223(2.35)
• 820.53 20	0.198 21	$^{147}\text{Gd}(38.06 \text{ h})$	229.32(63), 396.00(34.3), 929.01(20.2)
• 820.6 6	0.22 11	$^{127}\text{Sb}(3.85 \text{ d})$	685.7(37), 473.0(25.7), 783.7(15.0)
820.6 2	0.16 4	$^{141}\text{Sm}(22.6 \text{ m})$	196.88(74), 431.6(40.4), 777.6(20.3)
• 820.624 5	$\dagger 0.7$ 4	$^{95}\text{Nb}(86.6 \text{ h})$	204.117($\dagger 4290$), 582.082($\dagger 101$), 786.198($\dagger 29$)
• 820.624 5	4.712 6	$^{95}\text{Tc}(61 \text{ d})$	204.117(63.25), 582.082(29.96), 835.149(26.63)
820.7 5	0.09 5	$^{69}\text{Cu}(2.85 \text{ m})$	1007.5(23.4), 834.4(13.1), 531.2(6.0)
820.7 3	$\dagger 2.81$ 24	$^{129}\text{Ba}(2.17 \text{ h})$	182.30($\dagger 100$), 1459.1($\dagger 50.0$), 202.38($\dagger 33.7$)
820.7 4	0.23 9	$^{207}\text{Rn}(9.25 \text{ m})$	344.53(46), 747.15(14.2), 402.68(11.9)
820.7 3	0.0037 22	$^{246}\text{Am}(25.0 \text{ m})$	1078.86(27.7), 798.80(25), 1062.04(17.1)
820.71 7	$\dagger 5.3$ 6	$^{144}\text{Cs}(1.01 \text{ s})$	199.326($\dagger 100.0$), 639.00($\dagger 21.2$), 758.96($\dagger 20.6$)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
820.72 28	1.31 7	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
820.8 2	0.160 3	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
820.85 40	0.334 21	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
820.87 40	0.038 18	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
820.9 3	0.81 8	⁹⁷ Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
820.9 5	0.044 20	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
821.0 2	0.24 6	¹⁰⁸ Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
821.0 1	0.0094 13	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
821	0.78 7	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
821 1	0.22	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
821 1	0.21 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
821.08 10	0.29 3	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
821.1 1	0.20 3	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
821.1 2	0.7	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
• 821.1 3		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
821.1 2	1.37 7	¹⁵⁰ Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
821.1 2	†0.53 5	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
821.13 3	0.0125 5	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
821.15 8	0.043 5	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
821.164 5	34.5 8	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 815.990(18.6), 79.804(7.9)
• 821.164 5	11.53 5	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
• 821.17 4	5.0×10 ⁻⁸ 11	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 821.18 4	0.316 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
821.18 3	0.18 4	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
821.20 10	1.09 5	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
821.2 6	0.019 8	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
• 821.2		¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
821.2 2	†9.4 5	¹⁹³ Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
821.2 2	0.040 4	²⁰⁸ Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
821.2 1	1.06 8	²⁴⁰ Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
821.201 19	0.0039 8	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
821.27 9	0.60 9	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
821.3 2	†100	¹⁵⁴ Lu(1.12 s)	694.7(†97), 433.6(†83), 96.6(†12)
821.3 2	0.067 19	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
821.3	0.10 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
821.3	0.06 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
821.3 3	0.6 4	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
• 821.3 2	>1.0×10 ⁻⁸	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
821.32 5	0.6	¹⁵¹ Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
821.4 4	0.13 7	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
821.50 10	1.00 11	¹⁰⁶ Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
821.5 3	0.49 5	¹²⁹ In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
• 821.50 25	0.034 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
821.50 20	0.32 3	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
821.5 4	0.31 3	²³⁸ Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
• 821.535 28	0.102 7	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
821.6 5	0.47 8	⁶⁷ Ni(21 s)	1937.1(0.64), 1115.3(0.49), 2841(0.27)
821.6 2	0.216 16	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
821.67 20	†1.5 3	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 821.7 3	0.000164 12	⁷⁵ Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
821.7 5	0.77 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
821.7 5	0.207 16	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
821.75 3	0.35 3	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
821.76 15	49.0 11	¹⁸ N(624 ms)	1981.95(83.2), 1651.61(48.9), 2473.29(20.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 821.78 14	0.324 21	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
• 821.79 6	0.35 3	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
821.80 15	0.03 3	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
821.8 1	0.64 3	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
821.8 4	0.039 20	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
821.8 5	†0.08 3	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
821.9 5	1.25 15	¹⁰⁹ In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
821.9 2	1.73 21	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
821.9 7	0.08 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
821.98 12	0.21 4	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
822.0 4	0.029 12	⁸⁹ Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
822		¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
822.0 10	0.06 3	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
• 822.00 15	0.0081 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
822.0 6	0.11 3	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
822.01 12	0.090 10	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
822.02 10		¹¹⁸ Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
822.04 18	†49 7	¹⁶⁰ Eu(38 s)	173.19(†100), 513.6(†60), 412.56(†56)
822.1 5	0.06 3	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
822.1 3	0.20 5	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
822.14 18	0.40 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
822.15 17	0.65 8	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
822.3 2	2.08 24	⁷⁶ Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
• 822.30 15	0.110 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
822.33 13	0.252 19	¹⁴⁴ Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
822.39 17	0.36 5	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
822.4 2	†17.3 17	¹³² Pr(1.6 m)	325.5(†100), 496.9(†25), 533.1(†15.2)
822.40 25	0.11 3	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
822.41 22	0.17 3	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
• 822.45 11	0.034 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 822.48 5	4.28 16	¹²⁵ Sn(9.64 d)	1067.10(10), 1089.15(4.59), 915.55(4.13)
822.5 6	0.25 3	⁷⁶ Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
822.5 5	0.33 7	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
822.6 1	0.068 14	¹⁰⁰ Tc(15.8 s)	539.59(7), 590.83(5.7), 1512.1(0.44)
822.6 1	20.1 10	¹⁰⁰ Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
822.6 1	†71 35	¹⁰⁰ Rh(4.6 m)	539.59(†5900), 687.0(†3500), 1827.2(†1410)
822.6 4	0.24 4	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
822.6 3	0.25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
822.6 7	0.82 12	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 822.6	†2.2×10 ³ 6	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
822.68 16	0.16 5	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
822.7 3	†0.33 4	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
822.7 1	0.50 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
• 822.78 4	7.99 10	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
822.78 27	0.34 6	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
822.8 2	†4	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
822.8 2	0.31 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
822.81	0.021 8	²⁴ Al(2.053 s)	1368.633(96.0), 7069.50(43.0), 2754.028(41.2)
822.82 11	0.52 8	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
822.83 10	0.383 12	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
822.9 4	0.00019 3	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
822.9 1	0.047 8	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
822.91 7	2.36 16	²⁰³ Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
• 822.97 2	0.129 4	⁹⁹ Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
822.98 5	0.1432 25	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
822.98 8	†5.6 4	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
823.0 8	0.38 19	¹¹⁶ Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
823.0 8	†2.6 8	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
823.1 4	10.9 23	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 805.9(8.4)
823.10 6	2.6 5	¹⁸² Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
823.1 2	0.0087 9	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 823.1 2	†0.156 19	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
823.13 4	0.598 11	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
823.2 4	0.025 12	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
823.2	†9	²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
823.3 3	0.27 3	¹⁸⁴ Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
823.3 4	0.20 7	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
823.38 4	2.52 6	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
823.39 10	0.56 5	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
823.4 3	0.29 10	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
823.5 3	0.015 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
823.5 3	11.4 18	¹³² Pm(6.3 s)	212.5(88), 397.2(23), 610.4(12.3)
823.5 5	0.24 8	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
823.5 3	0.134 13	²²⁶ Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
823.5 10	0.25	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
823.51 15	0.30 3	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
823.52 19	†3.4 4	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
823.60 30	0.19 4	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
823.63 15	74	⁶⁰ Mn(1.77 s)	1968.8(53), 492.9(18.0), 2299.3(13.0)
823.68 8	0.109 6	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
823.7 1	0.067 3	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
823.9 5	0.081 25	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
823.9 1	1.2 3	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
823.9 5	†30 6	¹⁷¹ Ho(53 s)	903.3(†100), 198.6(†88), 279.2(†60)
823.9	0.035	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
824.0 3	0.12 2	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
824.0 5	0.117 21	¹¹⁶ Te(2.49 h)	93.70(31.4), 628.63(3.22), 102.97(1.95)
824.0	†0.8	¹³¹ Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
824.0 2	0.0132 24	¹³⁹ Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 255.11(0.236)
824.0 15	0.77 9	²¹² Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
824	>0.034	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
824.06 15	†4.4 4	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
824.09 21	0.012 3	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
824.09 4	1.08 8	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
824.11 14	0.0153 12	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
824.18 13	0.0170 11	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
824.2 3	0.073 19	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
824.2 2	1.24 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
824.22 9	1.27 10	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
824.23 10	8.7 5	⁹⁰ Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
824.23 10	0.146 11	⁹⁰ Rb(158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
824.3 2	0.52 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
824.3 2	0.155 16	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
• 824.3 2	0.00012 3	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
824.38 15	0.0174 6	¹⁸⁸ Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 824.38 15	1.03 9	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
824.4 5	0.240 16	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
824.43 9	5.0 3	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
824.44 14	1.18 16	^{105}Tc (7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 824.49 12	0.0132 14	^{77}Br (57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
824.5 5	2.1 5	^{98}Y (2.0 s)	1223.0(80), 620.505(63), 647.58(53)
• 824.5 5	0.019 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
824.52 11	0.0049 13	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
824.6 4	0.151 25	^{121}Xe (40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
• 824.68 6	0.035 9	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
824.69 5	<2.4	^{98}Rh (3.5 m)	652.43(96), 745.36(78), 1144.52(8.5)
824.7 3	1.01 6	^{75}Kr (4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
824.7 4	6.2 12	^{127}Sn (2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
824.79 15	13.6 8	^{106}Rh (131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 824.79 15	15.3 4	^{106}Ag (8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
824.8 2	†3	^{139}I (2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
824.8 2		^{157}Er (18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
• 824.82 12	0.44	^{137}Ce (34.4 h)	169.26(0.44), 762.3(0.192), 835.38(0.103)
824.84 6	0.244 15	^{79}Ga (2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
824.9 2	2.6 3	^{131}Sb (23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
824.9 6	0.3 3	^{172}Ta (36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
824.938 24	0.052 5	^{228}Ac (6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
825.0 2	0.028 7	^{131}Te (25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
825.0 3	1.28 12	^{148}Pr (2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
825.03 10	0.37 3	^{79}Ge (19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
825.03 10	3.13 25	^{79}Ge (39.0 s)	230.62(61), 542.27(32.6), 755(18)
825.1 5	0.22	^{125}Cd (0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
825.1 2	1.88 10	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
825.2	0.7	^{199}Po (4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
825.2 1	14.6 7	^{203}Bi (11.76 h)	820.3(30), 896.9(13), 1847.4(11.4)
825.34 8	†13.2 10	^{162}Lu (1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
825.357 6	9.9 3	^{180}Re (2.44 m)	902.795(90), 103.557(22.2), 749.345(1.12)
825.4 1	2.65 21	^{119}Ag (2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
825.4 4	0.35 5	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
825.4 3	†8.5 30	^{129}Sb (17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
825.4	0.062 18	^{149}Tb (4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
825.4 3	0.20 3	^{181}Au (11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
825.5 7	0.14 4	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
825.5 1	0.027 3	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
825.5 2	0.8	^{140}Sm (14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
825.5 3	0.0007 4	^{152}Eu (9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
825.5 3	0.200 25	^{155}Ho (48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
825.533	0.009 4	^{39}Cl (55.6 m)	1267.185(54), 250.332(46.3), 1517.508(39.2)
825.6 2	0.051 4	^{137}Pr (1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
825.60 4	0.130 8	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
825.6 4	0.033 16	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
825.60 5	0.22 8	^{202}Bi (1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
825.6 5	†1.4×10 ³ 3	^{234}Pa (1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
825.7 4	0.07 3	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
825.72 15	0.122 14	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
825.82 16	0.41 4	^{91}Kr (8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
825.9 3	0.25 5	^{101}Ag (11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
825.9 1	0.07 1	^{107}Tc (21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
825.92 8	†1.89 15	^{184}Ir (3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 825.923 20	0.161 6	^{171}Lu (8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
825.93 5	0.00023 4	^{187}W (23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
826.0 15	0.06	^{77}Rb (3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
826.0 6	0.13 6	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
• 826.0 4	0.062 16	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
826.0 4	0.16 7	¹⁵⁶ Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
826 1	0.057 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 826 1	†0.012 4	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
826.01 7	0.0007 4	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
826.02 13	3.30 8	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
• 826.04 6	0.046 3	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 826.06 3	0.0076 8	⁶⁰ Co(5.2714 y)	1332.501(99.9820), 1173.237(99.90), 346.93(0.0076)
826.06 3	0.008	⁶⁰ Co(10.47 m)	1332.501(0.24), 2158.57(0.0007)
826.06 3	21.7 11	⁶⁰ Cu(23.7 m)	1332.501(88), 1791.6(45.4), 1861.6(4.8)
826.1 1	0.65 9	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
826.12 3	0.09 4	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
826.19 4	0.97 11	¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
826.2 2	1.0 3	¹⁰⁸ In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
826.2	0.39	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
826.2 1	†2.8 3	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
826.20 25	3.6 6	¹⁶⁵ Tb(2.11 m)	1178.53(13.2), 538.51(7.2), 1292.05(7.0)
826.21 8	2.36 13	²⁰¹ Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
826.29 21	0.137 20	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
• 826.30 16	0.026 3	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 826.3 5		²³³ U(1.592×10 ⁵ y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
826.33 10	0.187 16	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
826.4	0.396 23	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
826.4 2	0.66 19	¹⁴⁹ Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
• 826.44 9	>0.15	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
826.5 2	0.076 14	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
826.6 3	†0.11 2	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
826.6 1	†8.0 8	¹⁵³ Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
826.6 1	3.0 3	¹⁶¹ Er(3.21 h)	211.15(12.2), 592.6(3.7), 314.77(2.49)
826.67 7	0.27 5	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
826.7 1	8.0 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
826.7 4	0.17 6	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
826.7 2	0.80 10	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
826.7 5	2.5 3	¹⁸⁶ Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
826.7 1	2.38 18	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
826.72 17	0.064 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
826.75 10	0.76 6	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
826.77 22	20	¹⁸¹ Os(105 m)	238.75(44), 118.03(12.9), 831.62(7.7)
826.79 11	0.00023 4	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
826.8 15	0.36 13	⁶⁵ Ge(30.9 s)	649.7(33), 62.0(27), 809.1(21.5)
826.8	2.9 3	⁹⁵ Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
826.8 3	0.045 9	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
826.8 2	0.0071 8	²¹³ Bi(45.59 m)	440.46(26.1), 292.80(0.429), 807.36(0.292)
• 826.8 3	1.8×10 ⁻⁸ 6	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
826.8 5	0.0049	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
826.9 15	0.036 21	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
827		⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
827.00 12	0.152 10	¹⁴¹ Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
827.0 4	0.189 10	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
827.0 5	0.83 21	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
827.03 10	0.6 1	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
827.05 9	0.55 11	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
827.1 3	9.4 6	¹¹⁰ Sb(23.0 s)	1211.87(92), 985.03(31.2), 1243.6(13.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
827.1 6	0.11 11	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
• 827.11 10	0.040 12	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
827.15 10	2.32 19	¹²⁵ In(2.36 s)	1335.04(71), 1031.75(9.6), 617.88(7.4)
827.2 4	0.21 6	⁵⁵ Co(17.53 h)	931.3(75), 477.2(20.2), 1408.4(16.88)
827.23 25	0.33 15	¹²³ Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
827.3 3	0.61 5	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
827.30 6	0.035 15	¹¹⁸ In(5.0 s)	1229.68(5.0), 528.83(0.7), 1173.59(0.43)
827.30 6	0.395 25	¹¹⁸ Sb(3.6 m)	1229.68(2.5), 1267.23(0.511), 528.83(0.472)
827.3 2	†1.70 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 827.43 7	0.043 5	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
827.48 10	41 3	¹⁵⁰ Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
827.50 20	0.41 4	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
827.5 4	†1.3 4	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
827.51 15	†8	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
827.52 7	0.126 8	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
827.59 14	0.0030 4	⁶² Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
827.6 1	0.010 5	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
827.6 1	0.26 8	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
827.6 5	0.25 9	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
827.6 6	†>0.7	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
827.6 6	>0.34	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
827.60 16	0.29 4	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
827.61 25	†2.3 3	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
• 827.69 15	0.124 22	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
827.7 6	0.009 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
827.7 5	†10 3	¹⁸⁹ Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
827.74 4	1.107 16	⁹⁰ Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
827.75 5	0.32 3	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
827.8 4	0.76 21	¹²¹ Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
827.8	†5.0	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
• 827.8 1	0.52 8	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
827.81 20	†32 6	¹⁹³ Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
• 827.828 6	24.03 24	⁸² Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
827.828 6	21.0 6	⁸² Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
827.84 5	0.50 8	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
827.86 10	10.3 5	¹³⁹ Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
827.9 5	0.10 3	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
827.9 4	0.89 10	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
827.9 4	1.04 6	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
827.97 13	0.91 6	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
• 828.0 1	0.0033 16	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
828.0 5	0.47 10	⁹² Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
828 1		¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
• 828	0.57 14	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
828	0.006	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
828.09 3	2.99 24	⁶⁷ Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
828.1 5	0.36 8	⁷⁰ As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
828.1 2	†1.24×10 ³ 14	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
828.13 5	0.30 5	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
828.189 13	8.1 5	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
• 828.21 5	0.289 12	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
828.26 5	22.1 11	⁸¹ Ga(1.221 s)	216.47(37.4), 711.18(17.6), 936.62(9.6)
828.27 5	0.280 19	⁸¹ Se(18.45 m)	275.988(0.7), 290.03(0.55), 566.04(0.220)
828.3 5	0.17 3	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
828.3 4	0.7 3	$^{122}\text{Cs}(4.5 \text{ m})$	331.1(94), 497.1(79), 638.5(63)
828.3	0.14	$^{185}\text{Ir}(14.4 \text{ h})$	254.4(13.3), 1828.8(10), 60.0(5.7)
• 828.320 12	10.8 6	$^{200}\text{Tl}(26.1 \text{ h})$	367.943(87), 1205.717(29.9), 579.298(13.8)
828.38 2	5.14 17	$^{135}\text{Ce}(17.7 \text{ h})$	265.56(41.8), 300.07(23.5), 606.76(18.8)
828.38 49	0.11 3	$^{141}\text{Xe}(1.73 \text{ s})$	909.23(24.0), 118.705(16.1), 105.937(9.8)
828.39 25	0.0033	$^{173}\text{Hf}(23.6 \text{ h})$	123.672(83), 296.974(33.9), 139.634(12.7)
828.4 2	0.150 25	$^{155}\text{Ho}(48 \text{ m})$	240.19(12.5), 136.30(5.00), 45.38(5)
828.5 2	0.77 7	$^{119}\text{Cd}(2.69 \text{ m})$	292.9(36.8), 343.0(16.9), 1609.7(10.9)
828.5 14	0.036 18	$^{180}\text{Re}(2.44 \text{ m})$	902.795(90), 103.557(22.2), 825.357(9.9)
828.5	†38 3	$^{202}\text{Po}(44.7 \text{ m})$	688.6(†1000), 316.0(†286), 165.7(†174)
• 828.5 5	†0.012 3	$^{227}\text{Th}(18.72 \text{ d})$	235.971(†813), 50.13(†528), 256.25(†463)
• 828.5	†2.4×10 ³ 6	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
• 828.562 14	0.586 19	$^{150}\text{Eu}(35.8 \text{ y})$	333.971(96), 439.401(80.4), 584.274(52.6)
828.6	0.0085 21	$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 828.6		$^{188}\text{Ir}(41.5 \text{ h})$	155.032(29.7), 2214.62(18.7), 632.99(18)
• 828.61 12	0.035 3	$^{148}\text{Eu}(54.5 \text{ d})$	550.284(98.5), 629.987(71.9), 611.293(20.5)
828.7 5	0.22	$^{125}\text{Cd}(0.57 \text{ s})$	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
828.7 9	†1.7 12	$^{191}\text{Tl}(5.22 \text{ m})$	452.6(†100), 470.1(†98), 391.6(†96)
828.78 14	0.24 4	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
828.8	16.1 3	$^{36}\text{P}(5.6 \text{ s})$	3290.7(100), 901.8(70.4), 1638.2(35.3)
828.8 3	0.87 9	$^{109}\text{Sn}(18.0 \text{ m})$	1099.4(30), 649.90(28.0), 1321.3(11.9)
828.8 3	†1.07 16	$^{129}\text{Ba}(2.17 \text{ h})$	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
828.8 3	0.058 9	$^{163}\text{Tm}(1.810 \text{ h})$	104.320(18.6), 69.229(11.6), 241.305(10.9)
828.8 3	†2.8 4	$^{181}\text{Pt}(51 \text{ s})$	289.29(†100), 111.97(†100), 230.15(†92)
828.82 3	0.117 6	$^{250}\text{Bk}(3.217 \text{ h})$	989.12(45), 1031.85(35.6), 1028.65(4.91)
828.82 3	5.5 9	$^{250}\text{Es}(2.22 \text{ h})$	989.12(13.3), 1031.85(10.6), 1167.25(2.94)
828.82 3	72 4	$^{250}\text{Es}(8.6 \text{ h})$	303.41(21.6), 349.4(19.8), 383.7(13.6)
828.9 6	0.068 17	$^{103}\text{Ag}(65.7 \text{ m})$	118.72(31.2), 148.193(28.3), 266.86(13.3)
• 828.90 15	0.0086 10	$^{171}\text{Lu}(8.24 \text{ d})$	739.78(47.8), 19.394(13.7), 667.404(11.04)
828.9 3	0.027	$^{227}\text{Ra}(42.2 \text{ m})$	27.36(16), 300.07(4.6), 302.65(4.3)
• 828.9 2	1.33×10 ⁻⁷ 8	$^{239}\text{Pu}(24110 \text{ y})$	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
828.93 3	0.17	$^{107}\text{Cd}(6.50 \text{ h})$	93.124(1.45), 796.462(0.0665), 324.81(0.0314)
828.96 6	22.9 22	$^{190}\text{Re}(3.1 \text{ m})$	186.718(48.4), 557.972(28.2), 223.811(26.0)
828.96 6	0.52 8	$^{190}\text{Re}(3.2 \text{ h})$	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 828.96 6	3.5 3	$^{190}\text{Ir}(11.78 \text{ d})$	186.718(52.4), 605.24(39.9), 518.55(34.0)
829 1	>0.35	$^{137}\text{Pm}(2.4 \text{ m})$	177.5(40.29), 108.6(35), 233.6(29.57)
829.0 3	†7.1 5	$^{138}\text{Pm}(3.24 \text{ m})$	520.9(†100), 729.0(†37.8), 493.1(†21.6)
• 829.0 7		$^{147}\text{Eu}(24.1 \text{ d})$	197.299(27), 121.220(22.9), 677.516(9.8)
829.0 10	0.80 23	$^{191}\text{Hg}(50.8 \text{ m})$	252.5(57), 420.1(18.6), 578.6(17.6)
829.01 4	0.13 3	$^{183}\text{Os}(9.9 \text{ h})$	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
829.1 5	0.146 14	$^{115}\text{Ag}(20.0 \text{ m})$	229.08(18), 212.80(4.4), 472.70(4.0)
829.16 5	0.252 15	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
829.2 3	0.094 25	$^{133}\text{Te}(12.5 \text{ m})$	312.072(62), 407.63(27.1), 1333.21(10.67)
829.20 20	0.24 3	$^{153}\text{Dy}(6.4 \text{ h})$	80.723(11.10), 213.754(10.90), 99.659(10.51)
829.27 5	0.96 5	$^{146}\text{La}(6.27 \text{ s})$	258.47(64), 924.58(7.45), 702.28(6.43)
829.3 5	>0.13	$^{108}\text{Sn}(10.30 \text{ m})$	396.44(64.3), 272.75(45.5), 669.08(22.6)
829.30 25	0.28 7	$^{159}\text{Tm}(9.13 \text{ m})$	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 829.30 10	0.486 13	$^{170}\text{Lu}(2.00 \text{ d})$	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
829.3 2	0.36 10	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
829.35 18		$^{149}\text{Nd}(1.728 \text{ h})$	211.309(25.9), 114.314(19.2), 270.166(10.7)
829.37 8	0.018 4	$^{246}\text{Am}(25.0 \text{ m})$	1078.86(27.7), 798.80(25), 1062.04(17.1)
829.4 3	0.0070 18	$^{167}\text{Yb}(17.5 \text{ m})$	113.34(55.3), 106.18(22.5), 176.25(21)
829.420	21.90 11	$^{26}\text{Si}(2.234 \text{ s})$	1622.26(2.73), 1843.26(0.258), 416.848(>0.08)
829.42 15	1.01 4	$^{133}\text{Ce}(4.9 \text{ h})$	477.22(39), 510.36(20.7), 58.39(19.2)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
829.49 3	0.403 10	¹⁸⁸ Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 829.49 3	5.1 4	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
829.5 4	0.31 8	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
829.5 5	0.50 13	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
829.6 2	†0.30 7	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
829.7 4	†1.3 4	¹⁴² Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
829.7 3	0.55 7	¹⁵⁹ Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
• 829.7 1	0.015 6	¹⁸² Ta(114.43 d)	67.75001(41.2), 1121.3007(34.9), 1221.4066(26.98)
829.79 9	0.239 18	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
829.8 3	1.8 4	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
829.88 20	0.068 17	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
829.9	0.057 14	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
829.93 5	0.00639 23	¹²⁹ Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
829.93 24	0.30 8	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
829.958 7	0.217 21	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 829.958 7	6.71 5	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
830.0 2	†15	¹²⁰ Ag(0.32 s)	697.8(†51), 505.9(†51), 925.8(†36)
830.20	0.00093 19	¹⁵⁵ Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
830.0	†2.2 6	¹⁵⁵ Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
830.0	0.058 23	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
830.06 9		¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
830.06 9	10.2 6	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
830.1 1	0.54 5	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
830.16 10	1.50 25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
830.3 1	0.0050 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 830.3	0.008 3	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
830.33 9	†43.2 6	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 1242.59(†31.9)
830.4 4	0.117 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
830.4 1	†0.8 2	¹⁷² Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
830.47 20	0.20 4	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
830.486 6	0.55 3	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
830.486 6	2.03 10	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
830.49 9	0.68 6	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
830.49 9	0.47 17	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
• 830.53 7	0.0325 25	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 830.577 12	9.82 5	¹⁶⁶ Ho(1.20×10 ³ y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
830.65 10	0.037 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
830.65 18	0.070 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
830.69 8	1.62 10	¹³⁸ I(6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
830.7 5	0.040 12	¹⁰³ Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
830.70 20	0.057	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
830.70 79	0.06 3	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
830.7 5	0.263 18	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
830.8 2	0.64 8	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
830.8 5	0.34	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
830.8 3	0.20 5	¹⁸⁸ Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
830.81 14	3.10 21	¹⁵¹ Tb(25 s)	379.39(5.9), 522.77(1.43), 504.4(0.48)
• 830.816 21	0.532 12	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
830.9 4	0.052 10	¹¹⁶ In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
830.9 3	0.42 5	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
830.9 4	0.072 5	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
830.9 3	†11.1 13	²³³ Pu(20.9 m)	235.4(†100), 534.8(†90.2), 500.3(†38.6)
• 831.0 10	<0.015	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
831.0 3	†0.6 2	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
831.0 15	0.52 13	^{117}Te (62 m)	719.7(65), 1716.4(15.9), 2300.0(11.2)
831.0	0.6	^{125}Cd (0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
• 831	0.00021	^{172}Er (49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
831.02 20	0.081 19	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 831.07 5	0.040 9	^{205}Bi (15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
831.1 4	0.063 13	^{112}Sb (51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
831.1 10	2.7 7	^{168}Ta (2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
831.1 4	0.35 7	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
831.12 13	0.122 12	^{165}Yb (9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
831.19 22	2.15 25	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
831.2 10		^{76}Zn (5.7 s)	281.7, 1030.6, 755.0
831.2 3	0.063 14	^{93}Rb (5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
831.2 1	0.0287 25	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
831.20 20	0.154 24	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
831.24 3	0.0027 8	^{179}Lu (4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
831.26 7	1.30 9	^{87}Br (55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
831.29 19	0.052 7	^{197}Tl (2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 831.294 10	0.0861 16	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
831.3 5	0.047 20	^{93}Sr (7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
831.3 3	0.93 15	^{95}Rb (377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
831.3 3	†6	^{96}Rb (0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
831.3 5	0.025 10	^{132}I (2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
831.3 5	0.10 5	^{161}Er (3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
831.3 2	†7.8 7	^{185}Hg (21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
831.33 6	5.2 3	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
831.35 3	5.49 20	^{122}In (10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
831.4 1	0.022 3	^{145}Ce (3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
831.48 7	0.051 5	^{85}Br (2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
831.5 2	0.11 4	^{150}Tb (3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
831.5 1	4.12 21	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
831.54 5	100 5	^{128}In (0.72 s)	1168.80(100), 120.54(11.1), 321.22(10.5)
831.59 15	†75	^{154}Nd (25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 831.62 3	0.2279 19	^{131}Ba (11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
831.62 22	7.7 10	^{181}Os (105 m)	238.75(44), 826.77(20), 118.03(12.9)
831.69 5	94 4	^{90}Rb (258 s)	1375.36(16.7), 3317.00(14.4), 2752.68(11.5)
831.69 5	28 1	^{90}Rb (158 s)	1060.70(6.69), 4365.90(5.6), 4135.51(4.70)
831.7	1.61 8	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
831.7 7	†100 7	^{195}Bi (183 s)	807.6(†100), 776.2(†95), 134.4(†69)
• 831.72 7	0.068 9	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
831.80 3	2.26 8	^{117}Cd (2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
831.8 2	0.15 5	^{129}La (11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
831.86 4	0.0034	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
831.9 20	0.15 6	^{74}Kr (11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
831.9 7	0.22 4	^{109}In (4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
831.9 2	†2.6 5	^{152}Tb (17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
831.92 25	11.9 5	^{150}Pm (2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
831.92 25	0.198 16	^{150}Eu (12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
• 831.92 25	0.067 19	^{150}Eu (35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
831.93 6	0.95 16	^{204}Bi (11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 831.97 10	1.26 6	^{79}Kr (35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
832 2	2.0 8	^{72}Br (78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)
832.0 3	0.00099 20	^{161}Gd (3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
832 1	0.7	^{170}Ho (2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
832.0 7	0.43 7	^{201}Bi (108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
832.00 10	0.36 5	^{224}Fr (3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 832.00 10	1.52×10^{-5} 25	^{228}Th (1.9131 y)	84.373(1.266), 215.985(0.263), 131.613(0.1355)
832.0 3	0.0081	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
832.01 3	3.52 5	^{211}Pb (36.1 m)	404.853(3.78), 427.088(1.76), 766.51(0.617)
832.03 6	0.427 25	^{146}La (6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
832.08 20	1.2 2	^{156}Pm (26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
832.09 5	0.023 3	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
832.1 7	0.68 8	^{98}Rh (8.7 m)	652.43(94), 745.36(5.3), 1817.0(4.7)
832.1 2	0.038 13	^{135}Ce (17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
832.2	†6	^{99}Cd (16 s)	342.6(†100), 671.8(†31), 1583.3(†28)
832.2 3	0.014 5	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
832.2 1	6.0 5	^{166}Lu (2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
832.2 1	2.6 9	^{166}Lu (1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
• 832.2 2	2.96×10^{-8} 23	^{239}Pu (24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
832.29 4	13.5 5	^{99}Ag (124 s)	264.41(65), 805.07(12.5), 815.63(6.8)
832.3	1.8	^{147}Ce (56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
832.35 20	0.028 11	^{214}Bi (19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 832.36 4	0.0008 3	^{168}Tm (93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
832.40 14	7.3 5	^{105}In (5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
832.4 3	0.41 4	^{230}Fr (19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
832.41 24	0.073 6	^{139}Xe (39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
832.5 2	0.101 22	^{109}Ru (34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
832.57 5	100	^{96}Rh (9.90 m)	685.49(95.7), 631.71(74.5), 741.87(29.4)
832.57 5	39	^{96}Rh (1.51 m)	1098.51(8.9), 1692.2(7.0), 685.49(3.6)
832.6 2	0.42 9	^{142}Eu (1.22 m)	768.1(100), 1023.3(92.0), 556.6(86.6)
832.64 10	0.66 5	^{100}Y (735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
832.64 3	3.00 22	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
832.8 3	3.1 4	^{98}Pd (17.7 m)	112.0(58), 662.2(19.7), 106.75(13.9)
832.8 3	1.98 25	^{127}In (3.66 s)	252.3(38), 3074(2.85), 948.4(2.73)
832.8 5	0.143 17	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 832.82 14	0.0244 14	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
832.88 7	0.0096 8	^{166}Tm (7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 832.9 5	0.010 5	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
832.9 4	†0.38 5	^{184}Ir (3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
832.9 4	†1.6 3	^{198}Tl (1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
833.0 10	0.008 4	^{111}Pd (23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
833 1	0.15 4	^{143}Cs (1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
833	†1.4 3	^{215}Bi (7.6 m)	293.54(†100), 271.23(†5.5), 517.63(†1.9)
833	0.0011	^{219}Rn (3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
833.06 10	0.47 7	^{207}At (1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
833.09 10	0.055 5	^{73}Se (39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
833.14 20	>0.5	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
833.15 14	1.39 8	^{187}Au (8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
833.24 18	0.41 5	^{101}Sr (118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
833.26 15	0.31 3	^{164}Lu (3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
833.28 5	0.0454 14	^{129}Te (69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
833.3 3	0.039 5	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
833.3	0.064 23	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
833.3 1	0.63 4	^{251}Fm (5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
833.4 2	†2.59 21	^{129}Ba (2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 833.40 7	0.0332 25	^{149}Pm (53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
833.4 4	0.19 13	^{153}Tm (1.48 s)	299.3(6), 765.5(1.92), 965.3(0.82)
833.4 3	0.04	^{154}Pm (1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
833.4 3	2.46	^{154}Pm (2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
833.4 2	1.01 18	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
833.4 3	0.15 5	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
833.50 5	0.16 4	⁶⁶ Cu(5.088 m)	1039.30(7), 1333.00(0.0028), 1872.94(<0.0)
833.50 5	5.89 6	⁶⁶ Ga(9.49 h)	1039.30(37), 2752.01(23.38), 2189.85(5.60)
833.5 1	0.08	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
833.5 2	†28	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
833.563 20	10.8 4	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
833.6 4	0.88 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
833.60 4	1.78 5	²⁴⁶ Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 833.60 4	5.0 3	²⁴⁶ Bk(1.80 d)	798.80(61), 1081.40(5.8), 1124.29(4.4)
833.61 15	0.284 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
833.7 10	1.5 3	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
833.7 3	†1.9 2	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
833.73 19	†0.57 19	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
833.79 22	0.18 4	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
833.8 1	8.4 7	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
833.8	0.17 4	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
833.83 10	0.18 3	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
833.9 2	2.21 11	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
833.9 1	0.00141 15	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
833.96 4	0.511 19	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
834		⁴¹ Cl(38.4 s)	1353, 515, 1354.0
834.0 1	0.73 5	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
834.01 2	96	⁷² Ga(14.10 h)	2201.69(25.9), 629.95(24.8), 2507.82(12.78)
• 834.01 2	80	⁷² As(26.0 h)	629.95(7.92), 1463.95(1.107), 1050.73(0.984)
834.04 5	4.37 23	⁸⁰ Ga(1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
834.09 4	>0.006	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
834.1 10	0.23 11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
834.10	9	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
834.1 3	99 3	¹⁰⁴ In(1.8 m)	658.0(100), 878.1(29.4), 943.3(14.9)
834.10 9	>0.006	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
834.15 4	1.11 11	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
834.2 3	0.48	¹¹⁷ Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
834.2 2	0.27 6	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
834.3 2	†1.7 4	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
834.3 1	0.14 2	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
834.3 4	†5.9 16	¹¹³ Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
834.3 2	0.4 4	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
834.35 21	0.05	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
834.35 21	3.11	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
834.35 20	0.19 4	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
834.36 30	0.043	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
834.4 2	13.1 5	⁶⁹ Cu(2.85 m)	1007.5(23.4), 531.2(6.0), 1429.8(3.42)
834.4 3	0.069 10	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
834.40 20	0.112 25	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 834.45 10	0.100 4	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
834.5 12	0.021 5	⁴⁵ K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
• 834.5 4	0.029	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
834.5 7	†4.1 4	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
834.6 5	0.28 8	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
834.6 4	0.10 5	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
834.6 2	0.11 3	²⁴¹ Np(13.9 m)	174.94(3.1), 132.99(0.86), 518.8(0.40)
834.6 2		²⁴¹ Np(13.9 m)	174.94(3.1), 132.99(0.86), 518.8(0.40)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 834.7 3	0.129 14	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
834.7 3	0.2 1	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
834.7 5	0.07 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
834.7 1	0.46 3	²²⁶ Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
834.74 6	0.812 23	⁸¹ Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
834.77 15	0.427 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
834.8	0.28	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
834.8 4	0.0020 7	¹⁴¹ La(3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
834.8 4	0.082 8	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
834.8 4	1.53 13	¹⁷⁰ Ta(6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
834.8 3	0.17 6	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
834.830 3	12.98 14	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
834.848 3	97.1 7	⁵⁴ V(49.8 s)	989.01(80.1), 2259.35(45.6), 3170(11.5)
• 834.848 3	99.976 1	⁵⁴ Mn(312.3 d)	
834.85 9	0.21 5	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
834.89 5	1.65 9	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
834.9 4	0.17 7	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
834.90 4	0.109 17	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
834.99 71	0.54 16	¹⁷⁴ W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
835.0 4		¹³⁰ Pr(40.0 s)	951.9, 499.0, 1405
835.0 1	0.024 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
835.0 3	0.00089 20	¹⁶¹ Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
835.0 2	0.18 3	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
835.0 4	0.009 3	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
835.0 2	2.89 16	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
835.09 31	0.22 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
835.1 4	0.70 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 835.149 5	†>0.047	⁹⁵ Nb(86.6 h)	204.117(†4290), 582.082(†101), 786.198(†29)
• 835.149 5	26.63 19	⁹⁵ Tc(61 d)	204.117(63.25), 582.082(29.96), 786.198(8.66)
835.16 3	0.253 9	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
835.16 20	0.19 4	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
835.2 5	0.017 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
835.2 10	0.61 21	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
835.2 8	†16.0 24	¹⁹⁵ Pb(15 m)	883.1(†100), 393.7(†42), 871.0(†36)
835.3 7	0.21 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
835.30 10	†2.24×10 ³ 24	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 835.38 12	0.103 4	¹³⁷ Ce(34.4 h)	824.82(0.44), 169.26(0.44), 762.3(0.192)
835.4 4	0.058 9	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
835.4 1	0.0025 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 835.42 3	1.02 4	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
835.48 5	13.7 13	¹⁰² Ag(12.9 m)	556.52(91), 719.40(58), 1744.99(17.3)
835.49 14	0.159 24	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
835.5 5	0.23 10	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
835.5 3	7.0 17	¹⁵² Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
835.5 1	0.021 3	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
835.5 3	1.30 13	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
835.53 10	1.11 8	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
• 835.55 11	0.00108 9	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
835.6 3	0.079 18	¹⁸⁸ Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
835.6 2	†6.87 21	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
• 835.6 10	†2.1×10 ³	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
835.7 4	1.6 3	⁶⁹ Se(27.4 s)	97.98(66), 66.4(24.8), 691.8(16.6)
835.70 5	4.8 6	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
835.7 10	4.4 6	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
835.7 4	0.87 12	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
835.7 2	0.268 17	¹¹¹ Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
835.7 1	0.68 3	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
835.7 3	0.022 9	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 835.7 3	0.08 3	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
835.710 6	1.68 11	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
835.710 6	2.84 14	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
835.76 10	1.03 8	¹⁹⁷ Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
835.8 4	1 1	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
835.8 1	†24 2	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
• 835.85 7	0.131 8	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
835.9 5	0.16 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
• 835.9 2	0.097 8	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
835.92 18	0.33 4	⁸¹ As(33.3 s)	467.72(20), 491.20(8.5), 521.10(1.40)
835.95 18	†2.4 5	¹⁸⁷ Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
835.99 5	0.46 5	¹⁸² Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
836.0 7	0.17 8	⁸² Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
836 1	0.02 1	⁸⁷ Zr(1.68 h)	1227(1.0), 1209.8(0.33), 1024(0.28)
836.00 8	0.084 8	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
836.03 9	0.140 25	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
836.1 4	0.54 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
836.1 10	†1.8	¹⁷⁹ Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
836.16 14	0.46 11	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
836.2 1	†182 18	¹⁰⁰ Rh(4.6 m)	539.59(†5900), 687.0(†3500), 1827.2(†1410)
836.20 20	0.138 20	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
836.2 2	0.24 7	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
836.2 3	1.02 6	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 836.2		¹⁸⁵ Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
836.23 14	0.013 4	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
836.3 1	†18.4 18	¹⁰⁴ Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
836.30 30	0.023 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
836.3 5	0.44 9	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
836.3 1	0.56 5	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
836.3 2	†6.8 6	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
836.37 6	0.769 20	⁸⁷ Kr(76.3 m)	402.586(49.6), 2554.8(9.2), 845.43(7.34)
836.4 2	0.38 7	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
836.4 3	0.142 14	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
836.4 3	0.09	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
836.47 3	2.08 11	⁵⁹ Cu(81.5 s)	1301.46(14.78), 877.97(11.40), 339.411(7.97)
836.5 10	0.015 3	¹⁰⁷ Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
836.5		¹⁰⁷ Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
836.51 10	0.36 6	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
836.52 9	13 3	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
• 836.52 7	0.081 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
• 836.58 3	0.307 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
836.6 2	1.32 18	¹¹⁹ Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
836.7 5	0.68 14	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
836.7 1	1.8	¹³⁷ Pr(1.28 h)	433.9(1.28), 514.0(1.08), 160.32(0.97)
836.7 3	4.5 3	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
836.7		²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
836.79 7	2.79 20	¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
836.79 6	19.2 11	²⁰⁵ Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
836.8 3	0.26 5	⁹⁸ Pd(17.7 m)	112.0(58), 662.2(19.7), 106.75(13.9)
836.8 6	0.98 4	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
836.8 1	†1.80 18	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
836.804 16	6.73 9	¹³⁵ I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
836.84	0.104 3	²⁵ Na(59.1 s)	974.72(14.95), 585.03(13.00), 389.70(12.68)
836.88 7	11.1 4	¹³³ Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
836.9 1	87.10 4	⁹⁴ Rb(2.702 s)	1309.1(87), 1577.5(31.8), 1089.4(17.1)
836.9 1	2.9	⁹⁵ Rb(377.5 ms)	1089.4(0.14), 1309.1(0.12), 845(0.12)
836.9 5	1.5	²⁰⁰ Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
836.90 7	9.8 5	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 1340.70(4.8)
837.0 5	0.008 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
837.0 2	0.114 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
837.0	0.070 23	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
837	0.015	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
837.03 25	0.00080 3	¹³⁰ I(9.0 m)	536.09(16), 586.05(1.07), 1614.10(0.447)
837.10 20	0.00050 8	¹²³ I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
837.1 2	3.59 12	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
837.1 1	0.517 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
837.1 3	0.30 5	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 837.11 15	0.028 2	²³⁸ Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
837.11 15	0.0036	²³⁸ Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
• 837.11 15	1.9×10 ⁻⁷ 8	²⁴² Cm(162.8 d)	44.08(0.0325), 101.90(0.0025), 157.42(0.0014)
837.2 8	4.8 4	⁷⁴ Zn(96 s)	56.7(70), 49.4(33.4), 143.5(21.7)
837.2		¹³⁰ Pr(40.0 s)	951.9, 499.0, 1405
• 837.2 5		¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 837.24 9	0.100 7	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
837.3 3	0.0102 18	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 837.3 3	†0.0252 24	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
837.3 4	0.40 6	²³¹ Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
• 837.3 2	1.9×10 ⁻⁸ 4	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
837.4 2	†1	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
837.40 3	0.031 3	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
837.4	0.15	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
837.4 5	†1.0 3	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
837.5 2	0.154 16	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
837.5 8	0.27 14	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
837.5 5	0.13 5	¹³⁸ I(6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
837.5 4	0.012 6	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
837.5 5	†0.9 5	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
837.57 8	2.75 16	¹⁶⁶ Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
837.6 7	0.39 10	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
837.6 4	0.15 4	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
837.6 3	†7.0 15	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
837.6	†7.0 15	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
837.6 2	0.008 3	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 837.646 23	0.486 14	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
837.7 3	0.019 5	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
837.8 1	1.14 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
837.8 2	0.27 3	²³⁵ Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
837.85 19	0.116 16	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
837.86 11	0.043 8	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
837.9 5	0.20 7	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
837.9 4	0.05 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
837.94 13	0.060 20	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
838.0		⁴¹ Cl(38.4 s)	1353, 834, 515
• 838.1	0.009 9	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
838.0 2	10 3	¹⁵² Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
838.0 5	†1.00 15	¹⁸² Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
838.1		²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
838.01 15	2.5 3	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
838.1 5	0.6 3	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
838.1 2	0.145 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
838.1 2	0.071 9	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
838.2	0.10	¹⁴⁷ Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
838.22 18	25 3	¹¹⁰ Rh(28.5 s)	373.80(91), 546.90(42.4), 687.70(25.8)
838.3 10	0.05 3	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
838.38 19	†11.5 15	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
838.4 2	0.11 4	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
838.4 3	0.0093 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
• 838.40 8	0.058 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
838.47 8	2.08 13	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
838.48 5	0.129 7	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
838.6 1	0.78 8	¹⁰⁴ Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
838.6 3	0.30 10	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
838.6 10	1.3 5	¹⁶⁸ Ta(2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
838.6 4	0.08 4	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 838.61 4	0.106 7	¹⁴⁵ Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
838.625 18	3.84 9	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
838.68 10	0.90 7	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
838.7 5	0.050 9	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
838.7 3	0.099 23	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
838.7 7	†0.18 5	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
838.7 5	0.011 6	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 838.7 5	0.026 11	²³⁰ Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
838.8 1	0.30 2	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
838.8 1	†1.29 9	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
838.8 2	0.25 4	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
838.83 20	0.062 10	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
838.9 4	0.83 9	¹²⁸ La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
838.9	†6	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
838.9	†84.3	¹⁵⁸ Ho(21.3 m)	406.14(†100), 1484.1(†66.2), 166.4(†55.4)
838.97 10	5.1 6	⁷⁴ Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
839.0 3	†45	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 839.0 2	0.030 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
839		¹⁶² Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
839.0 3	0.35 6	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
839.2	2.1	²⁴⁶ Am(39 m)	679.0(53), 205.0(36), 152.9(25)
839.03 13	†2.13 15	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
839.03 15	0.63 3	²¹⁴ Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
839.1 5	0.33 7	⁹² Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
839.12 10	7.9 4	¹⁹⁰ Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
839.12 10	0.181 20	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 839.12 10	1.14 5	¹⁹⁰ Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
839.2 4	0.46 7	⁶⁰ Cu(23.7 m)	1332.501(88), 1791.6(45.4), 826.06(21.7)
839.2 3	0.13 6	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
839.21 7	0.071 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
839.25 11	0.070 11	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 839.3 3	0.0011 5	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 839.30 10	0.703 20	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
839.36 4	8.8	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
839.36 4	3.9	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 839.37 4	0.0165 10	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
839.4 4	0.106 23	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
839.49 2	100 5	¹³⁰ Sb(6.3 m)	793.53(86), 182.36(41), 1018.01(30)
839.49 2	100 5	¹³⁰ Sb(39.5 m)	793.53(100), 331.05(78), 182.36(65)
839.5 5	0.35 7	¹¹⁷ Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
839.5 5	0.49 12	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
839.5 10	0.029 8	¹⁴⁶ Pr(24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
839.5 1	0.031 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
839.6 5	0.30	⁸⁶ Se(15.3 s)	2441.1(43.0), 2660.0(21.6), 48.3(15.4)
839.6		²³⁸ Pa(2.3 m)	1015.3(\dagger <100), 1014.6(\dagger <100), 635.18(\dagger 88)
839.64 35		¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
839.7 5	5.3 5	⁹⁸ Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
839.7 2	6.5×10^{-5} 20	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
839.7 2	1.4 3	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
839.7 2	\dagger 2.4 7	¹⁶⁸ Re(4.4 s)	199.3(\dagger 100), 363.2(\dagger 95), 479.8(\dagger 62.8)
839.7 2	24 3	¹⁹⁰ Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
839.7 10	0.082 17	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
839.8 3	\dagger 0.326 21	⁹⁵ Pd(13.3 s)	1350.9(\dagger 105), 716.6(\dagger 70.63), 381.8(\dagger 50.8)
839.8 3	0.73 18	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
839.8	0.14	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
839.8 5	0.034 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
839.9	>0.042	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
839.9 1	0.180 16	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 839.943 20	3.04 5	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
840.0 3	0.33 3	¹¹⁸ I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
840 40	\dagger 30	²⁴³ Bk(4.5 h)	755(\dagger 100), 946(\dagger 80), 87.4
840.0 2	0.097 9	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
840.02 18	0.28 10	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
840.1 3	0.23 4	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
840.1 5	0.45 5	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
840.13 9	12.0 7	⁹⁷ Rh(30.7 m)	421.55(75), 878.80(9.0), 1053.70(1.47)
840.16 15	0.179 24	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
840.2 3	1.38 23	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
840.2 3	0.17 5	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
840.2 2	\dagger 9.2 10	¹⁸⁵ Hg(21.6 s)	222.8(\dagger 100.0), 258.7(\dagger 98), 212.5(\dagger 58)
840.2 2	0.0025 2	²²² Ra(38.0 s)	324.22(2.77), 328.9(0.0043), 472.5(0.0040)
840.21 4	0.81 6	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
840.29 10	0.95 8	⁹⁰ Br(1.92 s)	707.05(38.0), 1362.32(11.2), 655.17(7.7)
840.3 4	0.33 13	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
840.3 1	0.020 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
840.3 3	\dagger 13 5	¹⁹⁵ Bi(183 s)	807.6(\dagger 100), 831.7(\dagger 100), 776.2(\dagger 95)
840.3 3	0.0045	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
840.377 6	0.94 4	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
840.377 6	1.06 6	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
840.4 3	1.2 7	¹²² In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
840.4 2	0.50 10	¹⁴⁰ Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
840.4 1	3.61 12	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
840.40 4	0.64 8	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
840.4 5	0.009 3	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
840.4 5	0.31 4	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
840.5 4	0.19 5	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
840.5 4	0.055 8	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
840.56 20	1.28 14	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
840.63 15	†1.4 3	¹⁰¹ Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
840.7 2	>0.5	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
840.7 2	0.5	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
840.7 5	†<0.05	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
840.732	0.133 3	³⁹ Cl(55.6 m)	1267.185(54), 250.332(46.3), 1517.508(39.2)
840.79 34	0.08 3	¹⁷⁴ Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
• 840.8 3	0.08 4	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
840.8 3	†1.2 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
840.8 3	0.34 8	¹⁶⁰ Tm(74.5 s)	264.1(9), 125.8(6.5), 375.8(2.4)
840.85 6	0.26 3	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
840.9 21	2.9 6	⁸⁵ Se(31.7 s)	345.2(<0.23), 3396.6(7.4), 1427.2(7.0)
840.9 7	1.1 4	¹¹⁰ Rh(3.2 s)	373.80(54), 439.79(6.5), 796.83(5.3)
840.9 5	0.068 19	¹²⁵ Sn(9.52 m)	332.10(97.2), 1404.0(0.70), 589.6(0.20)
• 840.9 4	0.0019 9	¹³¹ Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
840.9 3	0.23 5	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 840.94 10	0.0202 11	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
840.989	0.524 18	³³ Cl(2.511 s)	1967.12(0.458), 2867.59(0.440), 1472.410(0.0255)
841.0	0.046 9	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
841.0 2	0.27 4	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
841.04 2	8.2 3	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
841.07 4	0.84 7	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
841.07	0.18 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
841.1	†2.5	¹³⁸ Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
841.1 12	0.15 7	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
841.1 4	0.11 6	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
841.11 10	0.150 17	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
841.2 2	0.20 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
• 841.20 3	0.208 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
• 841.20 3	0.276 12	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
841.2 4	1.58 18	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
841.2 3	0.85 5	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
841.211 17	0.79 7	⁶¹ Co(1.650 h)	67.412(85), 908.631(3.6)
841.211 17	0.214 7	⁶¹ Cu(3.333 h)	282.956(12.2), 656.008(10.77), 67.412(4.23)
841.26 9	0.305 15	¹⁸⁷ Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
841.27 10	0.27 6	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
841.27 10	0.36 6	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
841.28 7	†11.7 8	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 841.28 7	0.186 9	²⁰⁶ Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
841.3 2	0.32 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
841.3 3	0.073 10	¹³⁶ Pr(13.1 m)	552.16(76), 539.75(52), 1092.3(18.5)
841.3 5	0.095 25	¹³⁶ Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
841.34 15	0.213 19	⁸¹ Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
841.37 14	0.50 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
841.4 1	6.2 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
841.43 6	0.65 4	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
841.5 10	0.16 11	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
841.5 2	0.042 10	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
841.5 5	†7	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
841.5 3	†2.4 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 841.5 10	†4.0×10 ² 10	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
841.508 15	5.0 3	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
841.53 3	0.279 10	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
841.53 3	0.98 8	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
841.586 8	2.17 12	¹⁵² Pm(4.1 m)	121.7824(15.7), 961.06(1.92), 963.37(1.83)
• 841.586 8	0.1628 21	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
841.586 8	14.6 3	¹⁵² Eu(9.274 h)	963.37(12.01), 121.7824(7.21), 1389.00(0.770)
841.59 16	†0.38 3	¹⁴⁸ Tb(60 m)	784.430(†119.0), 489.049(†28.0), 1079.025(†16.2)
841.6 1	0.058 7	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
841.6 4	0.20 6	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
841.6 5	1.06 20	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
841.7 5	11	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 946.0(10.8)
841.79 5	3.87 17	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
841.86 4	0.235 8	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
841.9 7	0.23 7	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
841.9 4	0.18 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
841.9 4	0.34 7	¹²³ Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
841.99 2	0.199 7	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
842.00 9	1.15 11	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
842.0 2	0.37 4	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
842.00 20	0.19 3	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
842.07 7	†84 8	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
842.07 7		¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
842.15 5	0.079 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
842.18 6	1.27 5	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
842.2 3	0.158 25	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
842.2 2	0.58 6	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
842.2 4	0.061 24	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
842.2 3	0.0057 9	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 842.2 3	†0.037 4	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
842.21 16	0.082 11	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
842.324 4	0.018 4	¹⁹⁹ Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
842.36 19	1.08 11	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
842.4 10	0.066 19	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
842.4 10	0.033 23	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
842.4 3	†5.2×10 ² 14	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
842.4 3	†2.3 9	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
842.5 1	0.0202 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
842.5 3	0.73 9	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
842.5 3	0.09 9	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
842.5 4	0.45 6	¹⁶² Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
• 842.51 25	0.036 7	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 842.51 5	0.022 6	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
842.55 12	0.41 5	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
842.6 5	0.021 11	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
842.6 3	†3.0 15	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
842.7 3	0.039 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
842.7 2	0.36 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
842.7 3	0.59 8	¹⁶¹ Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
842.7 6	0.12 6	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
842.75 13	0.230 13	¹⁰¹ Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
842.8 15	0.013 3	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
842.8 2	0.11 3	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
842.847 23	0.052 5	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
842.9 5	0.20 5	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
842.9 4	5.7 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
842.99 9	†5.05 21	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
842.99 23	0.83 16	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
842.99 16	0.147 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
843.0 8	0.016 5	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
843.0 2	1.90 24	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
843.0 2	3.6 7	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
843.0 1	†2.1 4	¹⁶⁰ Lu(36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
843.17 5	0.208 4	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
843.2 3	0.18 5	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
843.2 3	†6 1	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
843.2 5	0.6 3	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
843.24 5	†9.3 4	⁸² Ge(4.60 s)	1091.90(†100), 248.84(†4.0), 951.8(†1.7)
843.4 3	2.4 7	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
843.4 1	0.118 10	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
843.5 7	0.064 23	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
843.57 8	0.29 4	¹¹⁹ Te(16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
843.6 5	†0.68 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
843.7 3	†27.7 22	¹¹¹ Ru(2.12 s)	303.8(†100), 211.7(†77.7), 382.0(†41.3)
843.7	0.20	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
843.74 3	71.8 4	²⁷ Mg(9.458 m)	1014.42(28.0), 170.68(0.8)
843.74 3	0.0005	²⁷ Si(4.16 s)	2211.0(0.180), 2981.82(0.026), 1014.42(0.0172)
843.78 7	0.026 4	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 843.787 8	1.34×10^{-7} 7	²³⁹ Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
843.8 2	1.14 11	⁷⁶ Ga(32.6 s)	562.93(66), 545.51(26.0), 1108.41(15.8)
843.8 5	0.40 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
843.8 3	0.80 6	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
843.8 3	0.35 5	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
843.82 10	0.140 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 843.89 10	0.126 24	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
843.9 1	0.56 3	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
844.0 10	3.7 4	⁸⁹ Mo(2.04 m)	658.6(5.7), 1272.6(3.7), 1154.8(1.80)
844.0 3	2.2 4	¹²⁸ Sb(10.4 m)	753.82(96.4), 743.22(96), 314.12(89)
844.0 3	0.25 7	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
844.0 4	0.70 13	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
844.02 5	12.0 10	¹¹⁶ Sb(60.3 m)	1293.54(100), 972.550(72), 542.872(52)
844.06 5	1.2 3	¹³⁴ Te(41.8 m)	767.20(29.0), 210.465(22.3), 277.951(20.9)
844.06 6	2.38 13	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 844.1 7	0.011 3	⁹⁵ Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
844.1 1	0.42 3	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
844.1 8	†1.08 × 10 ³ 23	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
844.10 4	0.16	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
844.11 12	5.3 6	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
844.12 6	0.56 3	⁹³ Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
844.17 15	1.25 8	⁹² Y(3.54 h)	934.46(13.9), 1405.28(4.8), 561.03(2.40)
844.18 11	2.6 3	¹⁹⁷ Pb(8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
844.19 14	0.28 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
844.2 2	0.11 6	¹⁶³ Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
844.36 1	3.31 6	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
844.4 5	0.041 7	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
• 844.4 5	0.07 4	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
844.5 3	0.17	¹⁴⁵ Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
844.6 3	1.0 3	¹²¹ Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
844.66 4	1.39 11	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
844.670 10	3.24 10	¹¹⁰ In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
844.69 13	0.084 19	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
844.7 6	0.52 10	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
844.7 1	†4.5	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
844.8 2	0.6	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
844.8 4	22.3 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 585.02(7.97)
• 844.81 5	0.0342 19	¹²⁹ Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
844.85 12	0.00025 14	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
• 844.89 13	0.046 5	¹⁰⁵ Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
844.9 3	1.19 13	⁹¹ Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
844.90 20	0.020 10	⁹³ Mo(6.85 h)	949.82(0.120), 689.07(0.070), 541.32(0.060)
• 844.9 2	0.20 5	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
845	0.12	⁹⁵ Rb(377.5 ms)	836.9(2.9), 1089.4(0.14), 1309.1(0.12)
845 1	5.7 9	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
845 1		¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
845 2	0.070 23	¹⁹³ Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
845.03 3	0.0069 4	¹⁸⁸ Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 845.03 3	0.173 18	¹⁸⁸ Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
845.044 20	19.7 9	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
845.06 3	0.130 13	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
845.09 14	0.24 4	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
845.1 5	0.60 20	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
• 845.1 5	0.14 6	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
845.12 18	0.084 21	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
845.2	2.77 8	⁴³ Ti(509 ms)	2288.2(4.40), 2458.5(0.91), 1408.0(0.554)
845.2 3	0.074 18	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
845.2 8	0.35 3	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
845.3 2	†1.54 21	¹⁹⁴ Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
845.4 10	0.30 5	⁴⁵ Ar(21.48 s)	1020.04(34.0), 3703.2(33.3), 61.35(25.0)
845.4 10	0.025 3	¹⁰⁷ Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
845.4 5	0.0092 13	¹⁵² Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
845.4 4	0.0012 6	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
845.43 4	7.34 20	⁸⁷ Kr(76.3 m)	402.586(49.6), 2554.8(9.2), 2558.1(3.92)
845.46 39	0.17 3	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
845.46 10	2.01 10	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 845.46 2	0.591 4	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
845.46 2	0.254 20	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
845.5 10	0.075 20	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
845.5 4	0.013 3	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
845.5 2	1.3 2	¹²³ In(5.98 s)	1130.5(63), 1019.7(32), 618.8(2.6)
845.5 2	0.25 8	¹⁴³ Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
• 845.57 10	0.040 12	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 845.65 4	0.357 19	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
845.7 2	23	¹⁹⁹ Po(5.48 m)	246.0(28), 206.7(5.1), 545.8(4.6)
845.78 7	0.048 5	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
845.8 8	0.15 8	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
845.8 4	2.5 3	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
845.88 5	0.301 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
845.91 12	0.63 7	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
846.0 3	0.0019 11	¹¹⁷ In(116.2 m)	158.562(16), 861.35(0.019), 1020.6(0.0068)
846.0 3	0.052 17	¹¹⁷ Sb(2.80 h)	158.562(86), 861.35(0.31), 1004.51(0.21)
846.0 3	0.32 7	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
846.0 5	>0.28	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
846.0 5	0.51 16	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
846 2		¹⁸⁶ Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
846.1 2	0.0133 25	¹⁶⁷ Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
846.1 2	0.45 12	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
846.1 2	0.052 10	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
846.183 15	0.472 15	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
846.2 2	1.52 8	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 846.242 11	0.0692 24	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
846.4 5	†70 14	¹⁹⁰ Bi(6.3 s)	773.8(†100), 455.0(†94), 506.2(†92)
846.4 5	†13.9 16	²⁰¹ Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
846.43 8	0.11 3	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
846.45 4	0.038	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
846.5 3	7.8 5	⁷² Cu(6.6 s)	652.4(68), 1004.6(12.0), 1657.7(10.1)
846.5 5	0.45 6	¹¹⁷ Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
846.5 2	0.23	¹⁴⁵ La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
846.511 18	1.11 4	¹²⁵ Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
846.55 8	0.202 13	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
846.57 12	0.154 22	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 846.6 4	0.0024 12	¹²⁴ I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
846.6 5	†27 4	¹³⁴ Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
846.6 5	†27 4	¹³⁴ Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
846.6	0.064 9	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
846.6 3	0.95 9	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
846.6 1	†14.3 20	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
846.7 4	0.11 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
846.7 3	0.15 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
846.7 2	3.8 3	¹⁹⁶ Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
846.7 5	0.057 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 846.7 5	†0.0093 19	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
846.7 3	>0.05	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
846.7 2	†10	²⁵⁶ Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 846.740 8	0.0321 9	¹²⁹ Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
846.771 5	98.9 3	⁵⁶ Mn(2.5785 h)	1810.772(27.2), 2113.123(14.3), 2522.88(0.99)
• 846.771 5	100	⁵⁶ Co(77.27 d)	1238.282(67.6), 2598.459(17.28), 1771.351(15.69)
846.78 15	0.033 11	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
846.8 2	0.49 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
846.8 5	0.103 16	²²⁷ Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
846.8 7	0.0014	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
846.90 14	0.98 6	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
846.90 20	0.028 5	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
846.9 2	0.52 7	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
846.9 2	1.19 12	¹²⁴ Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
• 846.9 6	0.054 18	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
847.0 1	1.12 22	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
847.025 25	95.4 19	¹³⁴ I(52.6 m)	884.090(64.9), 1072.547(15.0), 595.362(11.2)
847.025 25	†3.6 19	¹³⁴ I(3.69 m)	884.090(†3.6), 234.3(†2.5)
• 847.025 25	0.00030 10	¹³⁴ Cs(2.062 y)	
847.1 3	0.20 6	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
847.1 2	0.126 12	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
847.1	0.08	¹⁴⁸ Dy(3.1 m)	620.24(96), 1247.2(1.4), 178.3(0.5)
847.1 5	0.7 5	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
847.1 5	0.51 17	²³⁷ Pa(8.7 m)	853.6(34), 865.1(15.5), 529.26(14.9)
847.12 6	0.098 13	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
847.14 10	†2.74 21	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
847.15 5	3.53 20	⁷⁶ Ga(32.6 s)	562.93(66), 545.51(26.0), 1108.41(15.8)
847.16 17	0.090 7	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
847.16 5	0.95 16	²⁰⁴ Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
847.2 4	0.017 6	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
847.2 3	0.65 8	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
847.27 25	0.085 9	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
847.270 20	2.0	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
847.270 20	1.6	¹⁰⁶ Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 847.270 20	1.6 5	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
847.3 2	0.40	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
847.3 1	0.54 3	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
847.3 3	0.085 18	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
847.3 1	†34 4	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
847.3 4	8	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
847.325 11	0.028 9	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
847.37 9		¹⁰² Nb(1.3 s)	948.85, 397.69, 551.54
847.37 9	18.6 20	¹⁰² Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
847.4 4	7.2 14	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
• 847.4 1	0.027 3	¹⁷⁷ Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
847.4 3	†2.4 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 847.40 20	0.022 6	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 847.4 5	†2.7×10 ³ 3	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
847.45 12	0.258 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
847.5 12	0.021 5	⁴⁵ K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
847.5 3	0.74 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
847.5 3	0.32 14	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
847.55 17	0.30 5	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
847.6 4	0.069 20	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
847.6 4	>0.13	¹⁰⁸ Sn(10.30 m)	396.44(64.3), 272.75(45.5), 669.08(22.6)
847.6 7	0.19 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
847.687 22	1.14 6	⁹⁶ Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 847.687 22	0.019	⁹⁶ Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
847.687 22	0.116 9	⁹⁶ Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
847.69 39	0.08 3	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
847.7 7	1.78 17	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
847.70 3		²²³ Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
847.9 5	0.017 5	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
• 847.9 7	0.023 12	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
847.914 19	0.041 9	¹⁸⁰ Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
847.93 5	5.3 3	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 462.61(3.66), 374.28(3.0)
• 848.0 2	2.8 6	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
848.0 3	0.40 8	¹⁴² Eu(1.22 m)	768.1(100), 1023.3(92.0), 556.6(86.6)
848.0	0.030 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
848 1	1.0 3	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
848.1 5	0.014	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
848.13 25	0.25 3	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 848.18 5	†3.35 4	⁵² Mn(5.591 d)	1434.068(†100.0), 935.538(†94.9), 744.233(†90.6)
848.2		⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
848.2	0.6	⁹⁶ Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
848.2 4	0.092 10	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
848.237 17	0.0724 16	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
• 848.24 5	0.026 4	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
848.26 23	0.24 3	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
848.3 4	1.2 4	¹¹⁸ Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
848.3 10	0.48	¹⁶⁷ Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
848.3 5	0.090 13	²²⁶ Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
848.31 19	0.13 4	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
848.4 2	1.2 7	^{103}Zr (1.3 s)	248(100), 164.05(94), 126.30(84)
848.4 3	0.0085 17	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
848.4 4	0.10 5	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
848.42 25	0.83 10	^{126}In (1.64 s)	1141.11(100), 908.58(99), 111.79(88)
• 848.44 10	0.230 6	^{83}Sr (32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
848.5 3	0.109 19	^{107}In (32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
848.5 7	0.27 7	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
848.58 15	0.66 5	^{78}Rb (5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
848.6 4	0.15 6	^{109}Sn (18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
• 848.65 7	0.281 20	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
848.66 16	2.9 8	^{195}Pb (15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
848.7 2	†2.0 4	^{131}Pr (1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
848.7 3	0.044 13	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
• 848.7 5	0.011 6	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
848.7 2	4.0 3	^{176}Re (5.3 m)	240.17(48), 109.08(25.0), 820(3.8)
• 848.7 5	†0.0037 12	^{227}Th (18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
848.8	>0.013	^{197}Tl (2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 848.85 10	0.144 16	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
848.9 5	0.18 5	^{123}Cs (5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
• 848.9 2	0.051 15	^{131}Te (30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
848.9 2	0.027 7	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 848.93 8	0.0043 8	^{193}Os (30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
848.95 6	0.62 3	^{137}Xe (3.818 m)	455.490(31), 1783.43(0.415), 1273.23(0.228)
848.98 3	0.178 10	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
849.0 3	0.071 18	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
849.1 5	0.079 10	^{146}Pr (24.15 m)	453.88(48.0), 1523.7(15.6), 735.72(7.5)
849.1 4	0.49 6	^{175}Ta (10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
849.1 4	†14	^{238}Pa (2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
849.10 8	0.0016	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
849.2 3	†0.61 6	^{120}Cs (64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
849.3 6	†0.71 25	^{188}Au (8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
849.3	0.05 3	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
849.3	0.13 6	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
849.3 7	0.0047	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
849.38 5	0.035 14	^{59}Cu (81.5 s)	1301.46(14.78), 877.97(11.40), 339.411(7.97)
849.4 2	5.8 3	^{73}Br (3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
849.4 6	1.04 13	^{169}Ho (4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
849.4 3	0.18 4	^{188}Hg (3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
849.4 3	†0.55 5	^{196}Ir (1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
849.49 42	0.05 3	^{137}Nd (38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
849.49 17	†7	^{197}Ir (5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
849.5 7		^{52}Co (18 ms)	1536.0
849.5 2	†3	^{139}I (2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
849.5	0.46	^{145}Ba (4.31 s)	96.6(17), 91.9(7), 65.9(5)
849.6 2	1.48 17	^{118}I (8.5 m)	605.71(99), 600.71(92), 614.42(65)
849.60 10	0.90 6	^{151}Dy (17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
849.7 3	1.85 18	^{118}Ag (2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
849.7 2	0.0076 17	^{121}I (2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
849.7 3	0.012 3	^{139}Cs (9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
849.73 20	0.34 3	^{124}In (3.17 s)	1131.64(68), 3214.15(21.5), 997.79(21.1)
849.73 20	2.00 20	^{124}In (2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
849.74 7	95.7 18	^{94}Tc (293 m)	871.082(100), 702.626(99.6), 916.10(7.6)
849.83 7	25.5 15	^{205}Po (1.66 h)	872.39(37), 1001.21(28.8), 836.79(19.2)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
849.9 3	$\dagger > 35$	^{100}Rh (4.6 m)	539.59($\dagger 5900$), 687.0($\dagger 3500$), 1827.2($\dagger 1410$)
849.9 5	0.13 3	^{138}I (6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
849.926 25	0.0218 18	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
849.929 13	20.45 19	^{96}Nb (23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 849.929 13	98 4	^{96}Tc (4.28 d)	778.224(100), 812.581(82), 1126.965(15.2)
849.929 13	0.285 15	^{96}Tc (51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
850.00 10	2.00 7	^{88}Nb (7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
850.0 1	4.9 3	^{200}Po (11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
• 850.05 15	0.0470 22	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 850.10 10	0.0014 11	^{97}Ru (2.9 d)	215.718(86), 324.48(10.79), 569.31(0.873)
850.1 5	$\dagger 4.2 21$	^{155}Nd (8.9 s)	180.574($\dagger 100$), 418.99($\dagger 75$), 955.08($\dagger 50$)
850.14 14	$\dagger 1.14 24$	^{189}Hg (7.6 m)	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
850.2 6	8.2 17	^{57}Cr (21.1 s)	83.16(8.3), 1752.1(5), 1535.0(4.9)
850.2 2	1.7 6	^{129}Sn (6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 850.2 5	0.21 4	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
850.20 5	$\dagger 3.1 \times 10^2$	^{154}Nd (25.9 s)	151.703($\dagger 800$), 799.55($\dagger 600$), 180.693($\dagger 510$)
850.31 14	$\dagger 1.12 23$	^{162}Lu (1.37 m)	166.82($\dagger 100$), 631.87($\dagger 26.6$), 798.76($\dagger 16.9$)
• 850.32 4	0.072 10	^{171}Lu (8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
850.34 5	0.173 10	^{88}Kr (2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
850.38 6	0.18 4	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
850.40 10	0.271 9	^{73}Se (39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
850.40 20	3.6 6	^{102}Sr (69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
850.4 2	0.42 6	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
850.4	0.44 10	^{150}Pr (6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
850.43 10	0.024 3	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
850.5 3	0.33 10	^{121}Cs (155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
850.5 3	0.26 8	^{121}Cs (122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
850.50 5	4.76 17	^{157}Pm (10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
850.5 1	$\dagger 21.3 6$	^{158}Ho (11.3 m)	218.21($\dagger 100.0$), 98.91($\dagger 70$), 945.7($\dagger 37$)
850.6 2	0.82 9	^{74}Br (46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
850.6 6	0.53 11	^{99}Rh (4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
• 850.64 3	0.244 3	^{154}Eu (8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
850.64 3	0.16 4	^{154}Tb (9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
850.64 3	0.82 6	^{154}Tb (21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
• 850.647 24	0.065 13	^{88}Y (106.65 d)	1836.063(99.2), 898.042(93.7), 2734.086(0.71)
850.7 1	0.32 9	^{107}Tc (21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
850.7 4	0.198 18	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
850.72 8	0.12 4	^{117}Cd (2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
850.8 5	$\dagger 1.25 21$	^{183}Hg (9.4 s)	60.5($\dagger 100$), 159.91($\dagger 21$), 172.70($\dagger 17$)
850.8	0.17	^{185}Ir (14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
850.8 2	$\dagger 9.9 8$	^{195}Bi (183 s)	807.6($\dagger 100$), 831.7($\dagger 100$), 776.2($\dagger 95$)
850.89 7	3.4 3	^{77}Zn (2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
850.9 5	0.139 16	^{115}Ag (20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
850.9	$\dagger 4.5$	^{138}Eu (12.1 s)	346.6($\dagger 100$), 544.2($\dagger 55$), 685.4($\dagger 41$)
851.0 2	3.3 3	^{108}Tc (5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
851.0 5	0.28 9	^{149}Er (8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
851.0 2	0.12 3	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
851.10 13	1.03 13	^{112}Ag (3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
851.10 13	0.144 14	^{112}In (14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
851.1 4	0.07 3	^{122}Cs (21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
851.1 4	0.05 3	^{184}Ta (8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
851.1 4	0.38 8	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
851.1 3	0.224 22	^{186}Hg (3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
• 851.13 15	0.038 4	^{79}Kr (35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
851.133 19	0.252 6	^{159}Ho (33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
851.19 9	4.7 4	^{158}Tm (3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
851.20 29	0.17 3	^{141}Xe (1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 851.3 2	0.041 16	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
851.30 17	0.069 13	^{138}Xe (14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
851.37 7	0.31 4	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
851.39 6	0.60 3	^{81}Sr (22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
851.4 1	2.37 20	^{119}Ag (2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
• 851.4 5	0.015 7	^{148}Eu (54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 851.45 20	0.081 5	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
851.474 17	4.56 3	^{183}Os (13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
851.5	†80	^{130}Ce (25 m)	1072.6(†100), 997.7(†100), 920.5(†100)
851.5 1	0.28 3	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
851.5 1	0.071 14	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
851.5 7	0.77 17	^{159}Er (36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
851.6 5	0.70 3	^{231}Np (48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
• 851.6 10	†3.8×10 ³ 6	^{241}Am (432.2 y)	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
• 851.63 7	0.180 16	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
851.68 2	0.24 4	^{145}Cs (0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
851.7 5	0.11 6	^{133}Te (55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
851.7 6	1.8 7	^{166}Ta (34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
851.70 10	0.072 21	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
851.70 10	†6.2×10 ³ 6	^{234}Pa (1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 851.70 10	0.167 10	^{234}Np (4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 851.70 10	1.25×10 ⁻⁶ 15	^{238}Pu (87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
851.8 4	0.140 23	^{69}Cu (2.85 m)	1007.5(23.4), 834.4(13.1), 531.2(6.0)
851.8 3	0.85 11	^{91}Tc (3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
851.8	0.13 4	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
851.8 3	0.19 3	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
851.9 4	0.028 9	^{197}Tl (2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 851.96 4	0.267 19	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
851.98 10	0.156 19	^{105}Ru (4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
852.0 4	0.10 3	^{100}Cd (49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
852.0 3	†0.3	^{111}Rh (11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
852.0 3	>0.18	^{139}Nd (5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
852.0 5	0.8 3	^{145}Ho (2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
852.02 18	0.22 4	^{103}Tc (54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
852.05 10	11 2	^{80}Y (35 s)	385.86(100), 595.06(39), 1185.20(20)
852.1 4	0.20 6	^{109}In (4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
852.1 4	0.44 5	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
852.2 2	0.019 4	^{119}I (19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
852.2 1	0.88 7	^{249}Es (102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
852.21 3	0.044 5	^{131}Te (25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 852.21 3	27.0 6	^{131}Te (30 h)	773.67(49.9), 793.75(18.10), 1125.46(14.9)
• 852.21 3	0.51 25	^{131}Te (30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
852.24 4	3.03 17	^{164}Lu (3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
852.26 10	0.40 4	^{146}La (6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
852.3 5	0.48 7	^{96}Rh (9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
852.30 20	0.31 6	^{99}Pd (21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
• 852.3 5	0.039 10	^{146}Eu (4.59 d)	747.2(98), 633.03(43), 634.07(37)
852.3 6	0.12 9	^{175}Ta (10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
852.36 6	0.057 3	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
852.40 50	0.052	^{137}I (24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
852.4 2	0.159 24	^{183}Au (42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
852.4 3	†2.5 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
852.46 16	0.245 22	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
852.5 5	0.158 16	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
852.57 7	2.28 14	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
852.58 13	0.79 4	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
• 852.60 2	0.0209 6	⁹⁵ Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
852.6 3	0.71 7	¹³⁰ Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
852.6 1	†24 3	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
852.66 12	0.094 7	⁹³ Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
852.66 1	1.38 5	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
852.7 2	0.097 12	⁶⁵ Ni(2.5172 h)	1481.84(24), 1115.546(15.43), 366.27(4.81)
852.7 1	0.28 4	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
852.7 4	6.1 3	¹⁵⁰ Pr(6.19 s)	130.2(32), 722.5(7.0), 1141.26(5.3)
• 852.78 5	0.050 3	⁵⁶ Co(77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
• 852.8 10	0.0022 14	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
852.8 7	0.14 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
852.8 1		¹⁵² Pm(13.8 m)	229.9, 200.6, 63.51
852.8 1	0.57 11	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
852.8 6	1.05 10	¹⁷⁶ Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
852.86 4	0.330 23	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
• 852.89 4	0.072 5	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
852.9 3	0.054 15	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
852.9 5	0.31 5	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
852.91 22	†1.4 4	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
852.94 10	0.439 18	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
852.96 8	0.60 5	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
853.0 5	0.14 3	⁷⁶ Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
853.0 3	0.0031 7	¹⁴¹ La(3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
853	0.031 16	¹⁴² Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
853 1	0.12	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
853	†1.3	¹⁴⁹ Tb(4.16 m)	795.9(†111), 651(†37), 164.98(†8.3)
853.0 5	0.40 7	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
853.0 2	11.2 13	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 760.8(10), 778.4(10.1)
853.0 4	0.14 3	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
853.03 15	0.0047 19	⁹⁶ Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
853.05 20	0.088 9	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 853.05 10	0.27 3	¹⁹⁵ Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 853.051 20	2.55 3	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
853.08 8	0.0740 19	⁶⁶ Ga(9.49 h)	1039.30(37), 2752.01(23.38), 833.50(5.89)
853.1 3	0.084 18	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
853.1 1	2.42 20	¹⁴² Tb(597 ms)	515.0(25), 465.0(2.7), 1399.2(2.39)
853.1 5	0.11	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
853.1 5	<0.74	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
853.17 10	0.233 13	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
853.17 10	0.0122 19	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
853.17 10	>0.06	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
853.2 5	1.05 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
853.3 5	†0.32 11	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
853.30 12	0.24 4	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
853.3	<0.13	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
853.40 7	4.8 6	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
853.4 3	0.33 4	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
853.4 1	2.3 5	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
853.4 1	4.60 23	²¹¹ Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
853.43 1	15.45 22	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
853.462 11	0.321 12	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
853.473 6	0.064 6	¹⁶⁸ Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 853.473 6	0.0330 16	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
853.5 3	0.029 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
853.53 15	†11.1 22	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 853.568 22	0.161 7	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
853.6 6	0.05 2	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
853.6 2	0.088 8	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
853.6	0.45	¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
• 853.6 4	0.00104 8	¹⁹¹ Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
853.6 2	34	²³⁷ Pa(8.7 m)	865.1(15.5), 529.26(14.9), 540.61(9.3)
853.70 6	2.8 8	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
853.73 9	0.52 5	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
853.8 3	0.05 2	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
853.8 6	†0.45 9	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
853.8 2	0.32 5	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
853.8 2	†100.0	¹⁹² Bi(37 s)	501.8(†80), 504.3(†39), 565.4(†36)
• 853.83 10	0.129 5	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
853.83 5	0.096 5	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
853.9 3	0.060 6	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
853.90 20	0.31 5	¹⁵⁸ Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
854 1	>0.35	¹³⁷ Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
854.0 5	0.06 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
854.01 4	1.843 25	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
854.1 2	†4.6 9	¹⁰¹ Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
854.1 2	0.76 5	¹⁴³ Gd(39 s)	258.81(75), 204.77(19.4), 463.7(9.9)
854.1 20	0.034 5	¹⁴⁵ Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
854.1	0.57 11	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
854.2 9	0.06 3	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
854.24 23	0.18 6	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
854.28 20	0.068 17	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
854.3 2	1.32 9	¹⁴¹ Sm(10.2 m)	403.8(43), 438.8(37.7), 1292.6(6.8)
• 854.3 5	†0.0044 9	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
854.4 2	†50 2	¹³⁹ I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
854.4 2	†0.50 9	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
854.4 5	†23.1 20	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
854.4 2	0.58 4	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
854.45 20	0.30 5	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
854.5 3	0.56 4	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
854.5 3	0.5	⁹⁷ Rb(169.9 ms)	815.0(100), 692.0(16.5), 414.3(15.0)
854.6 2	3.3 4	¹³¹ Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
854.6 3	0.18	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 854.6 3	0.034 8	²⁵² Es(471.7 d)	785.09(18.3), 139.03(13.9), 924.12(2.41)
854.69 11	1.33 9	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
854.7 5	†8	⁹⁹ Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
854.7 5	12.1 15	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
• 854.7	†2.0×10 ³ 4	²⁴¹ Am(432.2 y)	59.537(†60), 26.345(†1000×10 ⁸), 33.195(†6000×10 ⁸)
854.74	0.0044 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
854.78 8	0.051 4	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
854.8 5	†1.1 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
854.80 25	0.20 8	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
854.82 18	0.00242 21	¹⁵⁹ Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
854.89 8	0.356 22	⁹⁷ Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
854.9 2	1.14 23	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
854.96 17	†2.1 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
854.99 10	0.035 5	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
855.0 4	0.66 6	⁵⁸ Cu(3.204 s)	1454.45(16.0), 1448.2(11.5), 40.3(4.8)
855.00 2	0.0188 6	¹³⁵ La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
855 15	†20	¹⁸⁹ W(11.5 m)	258(†100), 417(†96), 550(†28)
855.11 8	†66 6	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
855.11 8	0.78 6	¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
• 855.15 15	0.96 3	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
855.2 4	0.099 18	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
855.2 4	0.20 10	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 855.24 10	0.276 12	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
855.255 22	0.22 6	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
855.4 7	0.16 4	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
855.4 3	†8	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
855.41 14	†14.5 15	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 787.15(†13.5)
855.5 5	0.16 6	¹³⁶ Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
• 855.5 13	0.10 4	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 855.53 14	0.0428 9	⁹⁷ Ru(2.9 d)	215.718(86), 324.48(10.79), 569.31(0.873)
855.6 5	0.00038	⁶² Cu(9.74 m)	1172.9(0.34), 875.68(0.150), 2301.8(0.0414)
855.6 5	0.023 9	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
855.6 6	0.27 7	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
855.7 6	2.2 8	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
855.7 4	1.6 3	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
855.7	0.08	¹⁸⁵ Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
855.76 5	4.9 3	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
855.8 2	0.173 16	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
855.8 2	0.10	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
855.8 3	0.18 3	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
855.8 7	1.37 17	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
855.84 10	1.30 7	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
855.88 6	0.717 22	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
855.88 8	0.023 6	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
855.92 22	0.141 16	¹³⁶ Pr(13.1 m)	552.16(76), 539.75(52), 1092.3(18.5)
855.94 7	0.072 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
855.94 10	0.30 3	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
856.0 3	0.83 10	¹²⁷ In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
856 1	0.42 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
856.00 20	0.100 9	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
856.0 2	†0.36 11	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
856.06 15	1.60 13	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
856.08 3	0.131 7	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 856.08 3	0.81 5	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
856.1 5	0.13 3	⁴⁹ Ca(8.715 m)	3084.4(92), 4071.9(7.0), 1408.9(0.63)
• 856.2 3	0.0065 11	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
856.2 3	0.098 14	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 856.240 10	0.0022 1	¹¹⁵ Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
856.278 12	1.24 4	¹³³ I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
856.3 3	0.40 16	¹⁰⁰ Nb(1.5 s)	535.60(45.7), 528.24(9.1), 159.547(8.8)
856.3	0.023 12	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
856.4 3	0.018 4	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
856.4 4	0.096 13	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
856.4 2	0.71 8	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
856.41 8	0.099 15	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
856.5 4	9.2×10 ⁻⁵ 17	¹⁰⁷ Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
856.5 3	0.73 12	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
856.7 1	0.117 4	⁶⁶ Ga(9.49 h)	1039.30(37), 2752.01(23.38), 833.50(5.89)
856.7 3	0.037 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
856.71 18	0.13 4	¹⁶² Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
856.72 15	0.98 11	¹⁵⁷ Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
• 856.80 2	17.6 9	¹²⁶ Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
856.9 1	1.07 7	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
856.9 3	0.049 7	¹¹⁴ Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
• 856.9 4	0.020 3	¹²⁴ Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 856.9 2	0.032 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
856.9 1	†1.64 14	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
856.9 1	0.77 6	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
856.927 12	0.11 3	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
• 856.929 5	2.70 8	¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
857.0 3	0.026 7	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
• 857.0 8	0.0009 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
857.0 5	0.008 4	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
857.0 3	0.0042 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
857	†0.11 1	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
857.0 2	>0.23	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
857.0 40	0.106 24	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
857.0 3	0.087 6	¹⁶² Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
857.0 5	†0.11 2	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
857.05 10	71	¹²⁸ Cd(0.34 s)	247.92(75), 68.02(29), 925.0(9)
857.1 4	†2.0 3	¹⁵² Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
857.12 19	0.0071 8	¹⁹⁴ Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 857.15 24	0.035 19	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
857.18 10	2.05 14	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
857.2 2	†23.4 5	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 862.5(†19.0)
857.2 2	†15	¹³⁶ Pm(47 s)	373.8(†100), 862.5(†28), 488.7(†22)
857.2 2	12.72 19	¹³⁶ Pm(107 s)	373.8(15.0), 602.7(12.3), 814.7(30.9)
857.2 15	0.098 20	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
857.2	†69	¹⁷⁶ Os(3.6 m)	1290.9(†100), 775.8(†98), 1209.2(†71)
857.2 2	†0.58 12	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
857.21 10	3.68 14	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
857.235 6	0.67 4	¹⁸⁴ Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 857.235 6	0.162 5	¹⁸⁴ Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
857.285 30	6.96 19	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
857.3 5	0.23 7	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
• 857.3 5	†0.0037 12	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
857.37 15	0.287 24	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
857.38 8	0.19 4	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
857.4 10	>0.0017	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
857.40 8	†0.70 6	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
857.44 50	0.09 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
857.48 10	0.489 20	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 857.48 10	0.003	²⁴⁰ Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
• 857.48 10	5.4×10 ⁻⁶ 5	²⁴⁴ Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10 ⁻⁷)
857.5 2	0.147 24	¹⁸³ Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 857.58 4	0.183 16	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
857.59 13	0.045 7	⁹⁷ Nb(72.1 m)	658.08(98), 1024.49(1.09), 1268.68(0.148)
857.6 5	0.139 25	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
857.6 3	0.32 9	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
857.6 2	0.28 7	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
857.62 10	0.0307 11	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
• 857.636 7	0.137 8	¹⁷² Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 857.636 7	0.084 11	¹⁷² Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
857.66 10	0.14	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
857.7 3	3.2 3	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
857.7 4	†1.5 3	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
857.7 2	0.036 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
857.8 5	0.13 12	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
857.9 1	0.00071 5	¹⁰⁴ Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
857.9 1	10.4 14	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
857.9 4	0.54 12	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
857.93 11	0.00208 20	¹⁶¹ Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
858.0 5	0.04	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
858.0 5	0.35 8	¹⁶¹ Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
858.0 5	0.011 4	²³⁵ Pu(25.3 m)	49.10(2.36), 756.4(0.479), 34.23(0.23)
858.06 4	6.0 4	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
858.1 2	0.035 12	⁷⁹ Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
858.11 6	0.18 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
858.17 10	1.04 13	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
858.2 5	1.7 2	⁷² Cu(6.6 s)	652.4(68), 1004.6(12.0), 1657.7(10.1)
858.2 2	1.7 5	¹²⁹ Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
858.2 1	†1.85 8	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
858.30 15	0.25 3	¹⁴² Cs(1.70 s)	359.598(27.2), 1326.46(12.92), 966.89(9.0)
858.3 2	0.117 18	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
858.3	†>3.0	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
858.3 3	>0.00015	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 858.3 3	†0.146 24	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
858.34 9	2.00 6	⁷⁸ Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
• 858.36 12	0.205 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
858.4 3	0.013 3	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
858.4 3	0.70 5	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
858.4 3	7.7 22	¹⁸¹ Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
858.4 3	0.091 13	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
858.43 5	1.64 25	²⁰² Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
858.47 7	0.72 5	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
858.496 15	0.385 15	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
858.5 16	0.104 14	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
858.5 5	†2.5 6	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
858.5 5	0.0049	²⁵¹ Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
858.6	0.071 18	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
858.62 9	0.0079 13	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
858.65 17	0.54 4	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
858.68 22	0.26 4	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
858.70 10	3.21 13	⁸³ Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
858.7 6	>0.13	¹⁰⁸ Sn(10.30 m)	396.44(64.3), 272.75(45.5), 669.08(22.6)
858.71 28	0.12 3	⁷⁰ Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
858.72 6	0.357 24	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
858.8 5	0.97 8	¹¹⁷ I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
858.84 19	0.112 19	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
858.95 12	0.10 3	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
858.95	>0.023	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
859 1	0.11 6	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
859.05 18	0.084 10	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
859.08 4	1.27 8	¹⁴³ Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
859.09 19	0.111 9	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
859.12 22	0.23 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
859.13 10	8.0 6	⁸¹ Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
859.2 7	0.19 6	¹⁵⁶ Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
859.2 7	0.033 20	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
859.2 4	0.29 6	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
859.21 16	0.57 5	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
859.254 16	0.100 11	¹⁷⁹ Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
859.31 4	0.266 23	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
859.4 3	†1.3	¹¹¹ Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
859.42 5		¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 859.45 20	0.058 5	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
859.45 18	0.0017 8	¹⁹⁴ Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 859.45 18	0.060 24	¹⁹⁴ Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 859.46 6	0.109 3	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 590.88(0.069), 22.510(>0.050)
859.472 24	0.24 3	⁷⁵ Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
859.5 4	8.1 8	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
859.5 7	0.26 3	¹⁹⁹ Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
859.50 14	0.19 6	²⁰⁵ Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
859.53 20	0.51 5	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
859.56 10	2.84 4	⁷⁸ Rb(17.66 m)	454.97(63), 692.86(12.56), 562.15(11.41)
859.57 19	0.31 3	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
859.6 2	1.02 7	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
859.61 6	1.65 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 859.68 9	0.159 20	¹¹⁹ Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
859.7 3	0.044 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
859.71 5	5.91 5	¹²⁵ Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
• 859.8 3	0.0083 11	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
859.8 3	0.076 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
859.85 9	†18 3	¹⁶⁸ Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
859.867 18	3.37 22	¹⁵⁰ Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
859.867 18	0.0091 24	¹⁵⁰ Eu(12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
• 859.867 18	0.59 10	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
859.9 3	†0.46 14	⁹⁵ Pd(13.3 s)	1350.9(†105), 716.6(†70.63), 381.8(†50.8)
• 859.90 20	0.035 4	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
859.9 8	†2.0 5	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
860.0 7	0.63 11	⁷⁷ Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
860.00 15	0.020 3	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
860.0 2	0.00150 24	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
860 30	6.9 20	²¹⁰ Tl(1.30 m)	799.7(99), 298(79), 1316(21)
860.1 3	0.079 12	¹⁴² Eu(2.34 s)	768.1(10), 1658.1(1.75), 1754.1(1.49)
860.1 3	0.75 11	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
• 860.14 4	0.435 8	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
860.16 24	0.0012 5	⁷³ Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
860.17 30	0.20 6	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
860.2 6	0.022 11	²⁴ Al(2.053 s)	1368.633(96.0), 7069.50(43.0), 2754.028(41.2)
860.2 7	0.06 3	¹³³ Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
860.26 20	1.1 1	¹⁵⁶ Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
860.28 6	10.1 4	¹⁶³ Yb(11.05 m)	63.62(6.5), 123.21(1.98), 1746.68(1.72)
860.28 6	†248 21	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
860.28 6		¹⁶⁴ Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
860.30 17	24.5 11	⁷⁸ Zn(1.47 s)	224.75(43.9), 181.68(28.1), 635.56(20.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
860.3		$^{127}\text{Sn}(4.13 \text{ m})$	490.9(90), 1348.0(4.8), 1564.0(4.0)
• 860.33 18	0.0029 12	$^{105}\text{Ag}(41.29 \text{ d})$	344.520(41), 280.41(30.2), 644.55(11.1)
860.4 1	0.0044 6	$^{127}\text{Cs}(6.25 \text{ h})$	411.95(62.8), 124.70(11.37), 462.31(5.07)
860.4 2	7.39 25	$^{170}\text{Ta}(6.76 \text{ m})$	100.8(21.0), 221.2(15.7), 987.0(5.88)
860.41 4	7.9 3	$^{117}\text{Cd}(3.36 \text{ h})$	1997.33(26), 1065.98(23.1), 564.397(14.7)
860.46 30	†1.7 3	$^{165}\text{Lu}(10.74 \text{ m})$	132.49(†100), 120.60(†100), 174.25(†47.0)
860.56 11	3.28 20	$^{166}\text{Lu}(2.65 \text{ m})$	228.12(77.3), 337.50(41), 367.95(31.4)
860.564 5	12.42 10	$^{208}\text{Tl}(3.053 \text{ m})$	2614.533(99), 583.191(84.5), 510.77(22.6)
860.6	0.035	$^{185}\text{Ir}(14.4 \text{ h})$	254.4(13.3), 1828.8(10), 60.0(5.7)
860.6	0.19 10	$^{185}\text{Au}(4.25 \text{ m})$	310.6(13), 243.1(6.6), 77.7(6)
860.6 1	0.76 2	$^{236}\text{Pa}(9.1 \text{ m})$	642.35(37.0), 687.59(9.9), 1762.7(6.0)
860.69 7	0.088 6	$^{187}\text{Ir}(10.5 \text{ h})$	912.95(4.79), 427.12(4.12), 400.89(3.94)
860.7 6	0.55 17	$^{121}\text{Cd}(8.3 \text{ s})$	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
860.7 5	0.151 25	$^{121}\text{Xe}(40.1 \text{ m})$	252.7(13), 132.8(10.9), 445.2(7.7)
• 860.7 5	†8.2×10 ² 25	$^{241}\text{Am}(432.2 \text{ y})$	59.537(†60), 26.345(†1000×10 ⁹), 33.195(†6000×10 ⁸)
860.75 10	1.62 9	$^{174}\text{Tm}(5.4 \text{ m})$	366.526(92), 992.128(87), 272.918(86)
860.8 4	0.4 1	$^{128}\text{Sb}(9.01 \text{ h})$	753.82(100), 743.22(100), 314.12(61)
860.8 5	0.56 9	$^{144}\text{La}(40.8 \text{ s})$	397.440(94.3), 541.20(39.2), 844.8(22.3)
• 860.88 12	0.059 9	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 860.88 10	0.211 12	$^{156}\text{Tb}(5.35 \text{ d})$	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
860.9 3	0.066 20	$^{109}\text{Ru}(34.5 \text{ s})$	206.29(22.0), 225.98(19.6), 1929.05(13.7)
860.9 1	0.031 4	$^{119}\text{I}(19.1 \text{ m})$	257.52(87), 635.86(2.69), 320.53(2.17)
• 860.93 9	3.54 14	$^{206}\text{Po}(8.8 \text{ d})$	1032.26(32.9), 511.36(24.1), 286.410(23.8)
860.97 19	0.14 3	$^{187}\text{Au}(8.4 \text{ m})$	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
861 1	0.040	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
861.0 1	0.040	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
861.0 5	†1.04 21	$^{183}\text{Hg}(9.4 \text{ s})$	60.5(†100), 159.91(†21), 172.70(†17)
861.0 4	0.0048 14	$^{195}\text{Hg}(9.9 \text{ h})$	779.80(7), 61.46(6.2), 585.13(1.99)
861.0 15	0.44	$^{196}\text{Tl}(1.84 \text{ h})$	426.0(84), 610.5(11.9), 635.5(9.8)
861.02 11	0.40 4	$^{100}\text{Sr}(202 \text{ ms})$	963.85(22.0), 898.50(18.9), 65.46(15.2)
861.1 4	96	$^{102}\text{In}(24 \text{ s})$	776.6(100), 593.1(30), 397.7(12)
861.1	0.0048 11	$^{155}\text{Sm}(22.3 \text{ m})$	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
861.1 4	0.97 18	$^{187}\text{Pt}(2.35 \text{ h})$	106.46(9), 201.52(6.4), 110.04(5.7)
861.11 5	0.913 20	$^{72}\text{Ga}(14.10 \text{ h})$	834.01(96), 2201.69(25.9), 629.95(24.8)
861.11 17	†100 17	$^{193}\text{Hg}(3.80 \text{ h})$	1118.84(†64), 789.21(†36), 580.97(†32)
861.13 15	0.152 21	$^{195}\text{Tl}(1.16 \text{ h})$	563.52(10.5), 884.47(10.0), 1363.88(8.4)
861.148 19	0.093 6	$^{183}\text{Os}(13.0 \text{ h})$	381.768(89.6), 114.463(20.63), 167.844(8.81)
861.16 4	92 14	$^{106}\text{In}(6.2 \text{ m})$	632.66(100), 997.87(48), 1009.27(30.3)
861.16 4	10.6 17	$^{106}\text{In}(5.2 \text{ m})$	632.66(92), 1714.90(17.1), 1933.60(8.4)
• 861.2 9	0.006 4	$^{99}\text{Mo}(65.94 \text{ h})$	739.50(12.1), 181.063(6.08), 140.511(4.52)
861.2 3	0.50	$^{154}\text{Pm}(2.68 \text{ m})$	184.810(32), 81.99(15.4), 546.66(14.5)
861.2 5	†3.7 18	$^{155}\text{Nd}(8.9 \text{ s})$	180.574(†100), 418.99(†75), 955.08(†50)
861.2 6	0.13	$^{203}\text{Bi}(11.76 \text{ h})$	820.3(30), 825.2(14.6), 896.9(13)
861.2 3	0.37 4	$^{237}\text{Am}(73.0 \text{ m})$	280.23(47.3), 438.4(8.3), 473.5(4.3)
861.286 47	0.0041 4	$^{134}\text{La}(6.45 \text{ m})$	604.699(5.05), 1554.934(0.414), 563.227(0.359)
861.3 4	0.28 20	$^{117}\text{Cd}(2.49 \text{ h})$	273.349(28), 1303.27(18.4), 344.459(17.9)
861.3 1	†22.6 13	$^{180}\text{Au}(8.1 \text{ s})$	153.3(†100), 524.3(†29), 257.6(†26)
861.35 5	0.019 3	$^{117}\text{In}(116.2 \text{ m})$	158.562(16), 1020.6(0.0068), 1004.51(0.0062)
861.35 5	0.31 3	$^{117}\text{Sb}(2.80 \text{ h})$	158.562(86), 1004.51(0.21), 1021.0(0.112)
861.4 10		$^{77}\text{Ga}(13.2 \text{ s})$	469.4(†100), 458.6(†48), 2187.3
861.4 1	†20.0 17	$^{160}\text{Tm}(9.4 \text{ m})$	125.8(†100), 728.5(†37), 264.1(†27)
861.4 1	1.08 18	$^{160}\text{Tm}(74.5 \text{ s})$	264.1(9), 125.8(6.5), 375.8(2.4)
861.4 1	†1.70 17	$^{171}\text{Ta}(23.3 \text{ m})$	49.6(†100), 506.4(†54), 501.8(†22.6)
861.4 4	0.15 6	$^{207}\text{Rn}(9.25 \text{ m})$	344.53(46), 747.15(14.2), 402.68(11.9)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
861.5 3	0.202 24	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
861.5 6	†1.3 5	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
861.52 15	†6	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
861.54 3	0.0176 18	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
861.6 1	35	⁵¹ Ca(10.0 s)	1394.0(27), 1167.5(23), 1480.1(22)
861.6 3	0.80 8	⁸⁰ As(15.2 s)	666.14(42), 1644.8(7.5), 1207.12(4.3)
861.6 2	0.97 4	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
861.60 20	0.219 22	¹¹² Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
861.6 4	0.4 2	¹³⁰ Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
861.6 7	1.66 5	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
861.6 2	0.29	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
• 861.7 1	1.75 6	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
861.7 2	0.087 23	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
861.74 23	0.042 10	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
861.76 8	0.228 13	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
861.8 8	0.015 5	¹⁸ N(624 ms)	1981.95(83.2), 821.76(49.0), 1651.61(48.9)
861.8	†100	²⁵⁶ Es(7.6 h)	231.1(†61), 172.6(†49), 1092.9(†47)
861.86 2	7.50 11	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
• 861.9 2	†2.8×10 ⁶	²⁰⁸ Po(2.898 y)	291.7(†9×10 ⁰⁶), 570.4(†5×10 ⁰⁶), 601.6(†4.1×10 ⁶)
861.97 14	18.2 11	¹⁵⁹ Sm(11.37 s)	189.79(46), 254.43(9.8), 797.2(6.1)
862.00 3	0.57 4	⁶⁹ As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
862.0 15	0.12 6	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
862.0 3	0.126 25	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
862.0 2	0.2	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
862 1	0.34	¹⁴² Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
862.0 5	10.0 5	¹⁶⁴ Ta(14.2 s)	211.05(74), 376.8(22), 605.0(14)
862.03 12	70	⁷² Br(78.6 s)	1316.70(17.3), 454.70(13.1), 2371.9(7.5)
862.03 12		⁷³ Kr(27.0 s)	
862.1 5	0.77 24	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
862.2 3	0.034 5	¹²³ Xe(2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
862.2 2	1.93 22	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
862.2 6	3.7 11	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
862.29 13	0.694 24	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
862.3 7	0.39 13	⁹⁶ Pd(122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
862.3 14	0.06 4	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
862.327 19	0.671 17	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
• 862.355 11	0.0014 8	¹⁶⁸ Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
862.40 14	0.084 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
862.4 5	0.16 5	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
• 862.4 5	0.035 19	¹⁶⁹ Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
• 862.40 3	0.0344 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
862.4 2	†1.0 1	¹⁷² Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
862.45 15	0.87 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
862.46 5	0.71 5	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
862.46	0.71 5	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
862.5 1	3.6 3	¹⁰⁰ Ag(2.01 m)	665.54(99), 750.67(78), 773.20(24.2)
862.5 4	0.00013 3	¹⁰⁹ Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
862.5 2	†19.0 15	¹³⁶ Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
862.5 2	†28	¹³⁶ Pm(47 s)	373.8(†100), 488.7(†22), 602.7(†17)
862.5 2	7.8 15	¹³⁶ Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
862.56 5	0.0075 6	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
862.60 5	0.61 6	¹¹⁷ Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
862.60 20	0.36 6	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
862.7 1	4.3 6	⁴⁸ K(6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
862.7 5	1.01 17	⁹⁷ Pd(3.10 m)	265.26(56), 475.2(26.7), 792.70(13.8)
862.7 2	1.3 5	¹²⁹ Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 862.7 5	$\dagger 5.3 \times 10^3$ 6	²⁴¹ Am(432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
862.74 19	0.18 6	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
862.8 15	0.8 4	⁷⁸ Ga(5.09 s)	619.40(77), 1186.42(20.1), 567.06(18.2)
862.8 5	0.15 4	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
862.8 3	0.018 6	²⁴⁹ Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
• 862.863 15	0.0670 14	¹⁴⁹ Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
862.9 3	0.19 5	¹⁰⁹ In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
862.90 21	$\dagger 2.7$ 4	¹⁴² Xe(1.22 s)	571.83($\dagger 100$), 657.05($\dagger 79$), 538.24($\dagger 77$)
862.9 5	0.74 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
862.94 6	0.0217 18	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
863.0 3	6.9 9	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
863.0 3	0.54 8	¹²⁷ Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)
863.0 2	0.56 5	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
863.0 2	0.332 24	¹⁹⁰ Tl(2.6 m)	416.4(79), 625.4(11.1), 683.5(8.7)
863 1	0.0039 3	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 863 1	$\dagger 0.0012$ 7	²²⁷ Th(18.72 d)	235.971($\dagger 813$), 50.13($\dagger 528$), 256.25($\dagger 463$)
863.1 3	100 4	⁹⁸ Ag(46.7 s)	678.5(85), 570.93(53), 452.0(11.0)
863.1 1	0.09 1	¹⁰⁷ Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
863.1 7	0.128 16	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
863.19 10	0.12	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
863.2 1	2.4 5	⁷⁵ Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
863.2 25	0.18 7	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
863.2 3	0.054 19	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
863.2 2	0.072 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
863.20 10	4.9 3	²⁵⁰ Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
863.27 20	0.089	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
863.31 6	0.236 12	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
863.34 18	0.44 7	⁸⁹ Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
863.4 10	0.037 3	¹⁰⁷ Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
863.4 3	0.61 6	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
863.4 4	>0.33	¹³⁷ Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
863.4 5	1.80 22	¹⁷⁴ Re(2.40 m)	243.4(37), 113.0(19.8), 1002.9(5.62)
863.5 5	0.13 4	⁹⁶ Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
863.5 2	0.18	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
863.5 3	0.14	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
863.5 3	0.30 3	²³⁰ Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
863.5 6	$\dagger 54$	²³⁸ Pa(2.3 m)	1015.3($\dagger < 100$), 1014.6($\dagger < 100$), 635.18($\dagger 88$)
863.57 12	0.0007	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
863.6 1	0.012 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
863.7 2	0.29 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
863.7 2	32.5 15	¹²⁰ In(46.2 s)	1171.3(96), 1023.1(55), 1294.5(12.2)
863.7 5	0.39 3	²⁰⁸ At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 863.8 4	0.0113 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
863.8 2	0.22 8	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
863.88 11	0.16 3	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
863.89 3	9.2 7	¹⁶⁴ Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
• 863.89 4	1.94 19	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
863.89 4	20.3 10	²³² Np(14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
863.9 2	1.5 3	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
863.9 1	2.07 8	²⁰⁹ At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
863.935 18	14.8 4	⁵⁸ Mn(65.3 s)	810.764(<0.026), 1323.09(6.44), 459.160(21.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 863.935 18	0.683 11	⁵⁸ Co(70.82 d)	810.764(99), 1674.679(0.518)
863.955 9	15.6 3	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 914.774(10.94)
864.00	4.0 4	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
864.0 10	†22 11	¹⁰⁶ Sn(115 s)	386.8(†100), 477.5(†62), 253.30(†57)
864.0 3	0.19 3	¹³⁴ I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
864.0 5	0.40 13	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
864 1	0.80 23	¹⁹¹ Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
864.1 5	4.8 12	¹⁶⁶ Ta(34.4 s)	158.5(53), 311.8(28.2), 810.1(9.8)
864.16 15	†109	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
864.2 1	0.045 5	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
864.2 5	0.22 6	¹⁴⁰ Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
864.26 20	†4.4 8	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
864.30 20	1.8 4	¹⁰² Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
864.3 1	0.0024 3	¹⁴⁴ Pr(17.28 m)	696.510(1.3), 2185.662(0.694), 1489.160(0.278)
864.30 11	1.72 10	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
864.4 3	0.030 6	⁷⁷ Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
864.4 1	5.3 18	¹⁴¹ Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
864.4 2	0.086 18	¹⁴² Eu(2.34 s)	768.1(10), 1658.1(1.75), 1754.1(1.49)
864.4	†8.7 4	¹⁷⁸ Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
864.41 9	0.067 7	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
864.45 6	0.0012 3	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
864.5 2	†2.0 6	¹⁰³ Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
864.50 15	0.96 6	¹²¹ Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
864.5 3	†7.8	¹⁴⁹ Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
864.5 6	0.23 5	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
864.5 4	0.06 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
864.5 3	0.121 14	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
864.6 2	0.33 9	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
864.64 3	0.336 8	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
864.73 15	1.25 15	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
864.8 3	0.48 15	¹¹⁹ Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
864.8 4	0.40 12	¹²⁴ Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
864.8 4	†1.6 2	¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
• 864.85 25	0.0358 18	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
864.85 20	0.62 4	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
864.9	0.0034 13	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
864.9 3	†5.5 10	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
864.9 3	1.29 18	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
864.98 3	0.158 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
865	0.30	¹²⁵ Cs(45 m)	526(24), 111.8(9), 412(5)
865.0 4	0.35 4	¹²⁷ Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
865.00 5	0.013 7	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
865.05 8	2.34 15	¹⁰⁰ Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
865.05 20	0.020 6	¹⁵⁷ Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
865.09 12	0.584 18	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 510(0.296)
• 865.1 2	0.25 5	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
865.1 2	15.5 16	²³⁷ Pa(8.7 m)	853.6(34), 529.26(14.9), 540.61(9.3)
865.22 8	0.178 10	⁸⁵ Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
865.3 2	0.104 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
865.3 1	5.9 5	¹⁹⁸ Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
865.3 4	0.22 3	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
865.35 7	0.0421 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
865.4 4	0.23 11	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 865.48 4	0.211 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
865.5 3	0.119 11	⁸⁵ Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
865.5 2	0.87 20	¹⁰² Tc(5.28 s)	475.070(7), 468.59(0.88), 628.05(0.78)
865.5 3	0.64 5	¹³⁶ I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
• 865.5 2	0.136 10	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
865.6 9	†1.8 9	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
865.7 3	3.7 4	¹⁰² Ag(12.9 m)	556.52(91), 719.40(58), 1744.99(17.3)
865.7 4	0.59 17	¹²¹ Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
• 865.80 20	0.188 11	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
• 865.80 20	0.403 12	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
865.8 3	†>0.7	¹⁸⁷ Pb(15.2 s)	299.5(†100), 617.2(†2.67), 493.6(†2.67)
865.8 2	0.98 5	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
865.81 10	0.75 5	⁸¹ Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
865.82 23	>0.25	⁶⁶ Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
865.82 7	0.296 19	¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
• 865.9 8	0.0033 7	¹¹¹ Ag(7.45 d)	342.118(7), 245.422(1.24), 96.73(0.20)
865.9 5	0.044 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
865.91 4	0.54 3	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
865.93 14	0.0059 4	²¹¹ Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
866.0 4	0.33 11	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
866.0 3	0.48 6	¹²¹ Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
866.0 2	>0.049	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
866 1	0.47 9	¹³¹ Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
866.0 6	0.036 14	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
866.0 1	7.9 4	²¹¹ Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
866.02 14	0.45 6	¹⁵⁶ Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
866.138 26	1.05 3	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
• 866.22 10	0.036 3	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
866.3	1.6	⁴⁴ Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
866.3 2	†100	⁷⁹ Zn(995 ms)	702.0(†75), 874.3(†31)
866.3 4	0.54 6	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
866.348 23	0.0008 4	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
866.4 8	0.226 12	¹²⁴ Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
866.4 1	†8.8 16	¹³¹ Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
866.4 3	0.08 3	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
866.4 3	0.022 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
866.4 3	†27	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
866.4 4	1.21 22	¹⁶⁶ Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
866.4 2	4.4 6	¹⁶⁹ Ho(4.7 m)	788.4(21.2), 853.0(11.2), 760.8(10)
866.44 8	†13	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
866.5 1	0.069 5	¹⁰⁷ Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
866.5 4	0.40 8	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
866.5 1	0.246 11	¹³⁷ Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
866.5 3	0.42	¹⁵⁴ Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
866.6 5	1.5	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 866.7 4	0.00514 13	¹¹¹ Ag(7.45 d)	342.118(7), 245.422(1.24), 96.73(0.20)
866.70 10	1.26 10	²⁵⁰ Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
• 866.760 19	5.81 19	²³² Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
866.760 19	24.4 16	²³² Np(14.7 m)	327.3(52), 819.187(33.3), 863.89(20.3)
866.8 4	0.130 16	⁶⁵ Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
866.8 10	†1.06×10 ³ 22	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
866.82 4	0.0395 14	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
866.85 23	8.2 8	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
866.87 14	0.45 17	¹⁰⁵ In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
866.9 1	3.4 6	⁴⁸ K(6.8 s)	3832.2(78), 780.25(31.0), 675.05(16.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
866.90 20	0.047 5	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
866.9 4	0.29	¹⁵⁴ Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
867.0 1	11.4 6	⁹² Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
867.0 2	0.24 7	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
867.0 5	2.13 18	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
867.0 6	2.02 14	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 867.01 8	1.328 13	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
867.08 7	5.9 3	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
867.1 4	0.23 4	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 867.1 7	0.0029 11	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
867.1 3	0.467 25	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
867.2 3	0.28 6	¹⁰¹ Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
867.2 4	0.20 7	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
867.2 4	0.16 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
867.2	0.32 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
867.2	0.10	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
867.2 3	†0.65 9	¹⁹² Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
867.2 1	8.1 5	²⁴⁰ Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
867.2 2	0.0090 20	²⁴⁰ Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
867.26 90	0.06 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
867.3 5	0.10 3	⁹⁹ Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
867.30 10	0.0015	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
867.32 20	1.4 3	¹¹⁶ Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
867.388 8	0.008 8	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
867.388 8	1.23 11	¹⁵² Pm(7.52 m)	244.6989(78), 121.7824(45), 340.48(31.3)
• 867.388 8	4.15 8	¹⁵² Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
867.4		⁴¹ Cl(38.4 s)	1353, 834, 515
867.4 5	0.51 9	¹⁵⁷ Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
867.4 1	0.034 4	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
867.4 4	0.05 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
867.46 8	†13.4 8	⁸² Ga(0.602 s)	1348.07(†100), 2215.0(†22.0), 1909.34(†10.6)
867.5 8	0.23 7	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
867.5 5	0.00180 21	²²³ Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 867.5 5	†0.0044 9	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
867.6	0.040 8	¹⁴⁹ Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
867.6 5	0.074 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
867.6 2	0.150 25	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 867.64 8	0.131 9	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
867.64 8	0.30 3	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
867.7 12	0.000210 2	¹⁶ N(7.13 s)	6128.63(67.0), 7115.15(4.9), 2741.5(0.82)
867.7 2	1.2 4	¹²⁹ Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
867.74 16	0.073 9	⁹³ Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
867.75 22	0.043 6	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
867.75 20	0.12	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
867.8 2	0.211 23	⁹⁶ Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
867.8	0.110 18	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
• 867.8 9	>0.031	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
867.83 3	1.87 13	²⁰⁴ At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
• 867.846 20	5.50 5	¹⁴⁰ La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
867.898 6	8.7 6	⁷⁴ Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
• 867.898 6	0.00457 18	⁷⁴ As(17.77 d)	595.847(59), 608.353(0.552), 1204.208(0.285)
867.9 8	0.08 5	⁹² Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
867.9 6	1.4	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
867.9 2	0.7	¹⁴⁶ Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
• 867.9 7		¹⁴⁷ Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
867.9 7	0.23 4	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
867.9 3	†1.5 5	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
867.9 2	†5.2 5	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 867.9 4	2.0×10 ⁻⁶ 2	²³³ U(1.592×10 ⁵ y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
868.0 5	2.0 3	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
868.00 17	0.65 10	¹⁸⁴ Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
868.0 2	†0.012 2	²¹³ Bi(45.59 m)	323.81(†0.16), 544.9(†0.016)
868.1	†17.0	¹⁴⁴ Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
• 868.10 20	0.076 9	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
868.1 3	†0.50 4	¹⁹⁶ Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
868.16 26	0.023 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
868.19 10	0.69 9	⁷⁴ Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
868.2 5	0.25 3	⁷⁶ Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
868.2 1	0.756 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
868.2 5	†1.7 9	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
868.27 5	7.6 8	²⁰⁶ At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
868.4 2	0.40 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
868.4 2	0.8 3	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
• 868.40 3	0.0306 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
868.43	0.33	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
868.47 12	0.0098 17	¹⁶⁶ Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 868.5 4	0.0120 5	⁸⁵ Sr(64.84 d)	514.0067(96), 151.159(0.0012), 362.81(>0.0010)
868.5 2	0.040 4	¹⁸³ Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
868.52 14	0.32 7	¹⁵⁷ Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
868.56 30	0.040 21	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
868.57 6	2.99 5	⁸⁸ Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
868.57 6	>0.18	⁸⁹ Br(4.40 s)	775.28(5.16), 802.14(0.186), 1577.41(0.048)
• 868.6 4	0.015 5	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
868.6 4	0.20 6	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
868.6 5	0.27 7	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
868.6 3	†0.3 2	¹⁷² Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
868.7 4	0.048 8	¹¹² Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
868.7 1	0.056 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
868.7 4	†0.57 19	¹⁶⁸ Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
868.7 3	†0.25 3	¹⁸⁴ Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
868.8 2	0.60 11	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
868.8 3	0.33 4	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
868.8 2	1.9 3	¹⁹⁶ Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
868.8 2	†0.56 9	¹⁹⁶ Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
868.8 4	0.12 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
868.9 2	0.36 5	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
868.9 3	†2.6 5	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
868.9 3	0.0035 13	¹⁹⁵ Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
868.95 20	†34	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
869 2	1.0 6	⁷⁶ Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
869.0 4	0.9	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
869.0 5	0.68 8	¹¹⁷ Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
869		¹³⁸ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
869.0 2	8 1	¹⁵¹ Er(23.5 s)	638.3(36), 667.2(17), 256.4(15.9)
• 869.0 4	0.031 9	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 869.1 5	0.027 6	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
869.1 5	†0.51 7	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
869.1 3	0.24 11	¹⁴⁶ Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
869.1 5	0.49	²⁰³ Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
869.2 6	0.40 8	⁹⁷ Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
869.2 2	0.29 3	¹⁹⁰ Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
869.23 7	3.72 24	¹⁴⁸ Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
• 869.256 14	1.853 19	¹⁵⁰ Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
869.3 4	0.0012 7	⁸² Rb(1.273 m)	776.517(13), 1395.139(0.471), 698.374(0.133)
869.3 3	0.69 9	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
869.3 5	0.032 7	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
869.3 1	1.62 8	¹³⁰ La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
869.3 2	0.00096 15	¹⁶¹ Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
869.31 10	1.1 1	¹²¹ In(23.1 s)	925.57(87), 261.96(7.9), 657.32(7.1)
869.33 19	†9.6 14	¹⁸¹ Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
869.35 6	0.62 4	¹³⁶ Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
869.38 9	0.0006 3	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
869.47 8	0.0009 3	¹⁴⁵ Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
869.5 2	0.110 22	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
869.50 20	0.115 12	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
869.60 3	0.317 8	⁹⁵ Tc(20.0 h)	765.794(93.82), 1073.71(3.74), 947.67(1.951)
869.6 2	3.1 3	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
869.6 1	†6.2 5	¹⁶⁰ Lu(36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
869.7 3	0.34 6	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
869.7 3	0.31 3	¹¹⁸ I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
869.7 4	0.108 18	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
869.7 3	0.055 5	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
869.7 2	0.332 22	²²⁸ Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
869.7 1	0.196 21	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
869.8	†5.0	¹⁷¹ Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 869.891 8	5.49 12	¹⁴⁸ Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
869.9 2	93 5	⁵² Fe(45.9 s)	929.5(100), 621.7(51), 2037.6(50)
869.92 20	0.14	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
869.97 9	0.039 4	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
870.00 27	0.26 4	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
870.0 1	0.40 6	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
870.0 2	0.031 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
870 1	†6.1 9	²⁴⁴ Bk(4.35 h)	891.5(†100), 217.6(†88), 921.5(†19)
870.01 8	0.129 20	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
870.05 17	1.46 23	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
870.09 17	0.25	¹⁸⁶ Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
870.1 1	0.0160 17	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
870.1	0.010	¹³² Sn(39.7 s)	340.53(49), 85.58(48.2), 899.04(44.8)
870.1 1	†1.86×10 ³ 19	¹⁵⁷ Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
870.13 5	0.050 17	¹⁵² Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
870.13 5	0.0906 19	¹⁵² Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
870.2 2	3.2 5	¹³⁸ I(6.49 s)	588.825(56), 875.23(9.2), 2262.19(3.86)
870.22 19	0.91 18	¹⁸⁶ Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
870.243 13	0.057 7	¹⁷⁹ Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
870.30 8	†29.26 21	⁷¹ Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
870.3 1	7.73 15	¹³⁵ Te(19.0 s)	603.5(37.0), 266.8(10.36), 1133.3(1.74)
870.36 10	1.41 9	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
870.4 3	0.56 5	¹⁰⁰ Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
870.4 3	11.2 6	¹⁸⁰ Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
870.4 2	0.69 6	²³⁶ Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
870.42 20	0.161 18	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
870.46 5	0.045 5	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
870.46 5	1.10 6	^{228}Pa (22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
870.5 4	\dagger 15 4	^{163}Lu (238 s)	163.08(\dagger 100), 54.00(\dagger 88), 396.34(\dagger 63)
870.5 5	0.07 3	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
870.54 22	0.102 17	^{191}Au (3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
870.6 2	0.52 7	^{119}Cd (2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
870.6 4	0.184 16	^{144}Ba (11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
870.68 5	0.259 11	^{57}Mn (87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
870.7 1	1.26 11	^{73}Br (3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
870.7 2	0.021 6	^{101}Pd (8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
870.7 3	0.28 3	^{123}Xe (2.08 h)	148.9(49), 178.1(14.9), 330.2(8.6)
870.70 11	0.118 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
870.70 11	0.095 15	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
870.7 7	0.0021	^{233}Th (22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 870.7 3	\dagger 4.6 \times 10 ³	^{241}Am (432.2 y)	59.537(\dagger 60), 26.345(\dagger 1000 \times 10 ⁸), 33.195(\dagger 6000 \times 10 ⁸)
870.71 12	3.3 5	^{17}N (4.173 s)	2184.48(0.34), 3842.3(<0.007)
870.8	0.06	^{185}Ir (14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
870.82 22	\dagger 5.2 10	^{183}Hg (9.4 s)	60.5(\dagger 100), 159.91(\dagger 21), 172.70(\dagger 17)
870.86 5	1.05 10	^{158}Eu (45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
870.86 5	0.202 23	^{158}Eu (45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
870.88 14	0.047 14	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
870.9 4	\dagger 1.1 3	^{168}Re (4.4 s)	199.3(\dagger 100), 363.2(\dagger 95), 479.8(\dagger 62.8)
871.0 2	0.087 9	^{94}Rb (2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
871.0 4	0.14 4	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
871 1	>0.35	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
871.0 10	1.3	^{151}Ho (35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
871.0 5	\dagger 36 5	^{195}Pb (15 m)	883.1(\dagger 100), 393.7(\dagger 42), 696.0(\dagger 31)
871.02	>0.0022	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
871.04	0.23	^{203}Bi (11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
871.07 6	1.80 19	^{101}Mo (14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
871.08 5	0.31 4	^{110}In (4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
• 871.082 18	100	^{94}Nb (2.03 \times 10 ⁴ y)	702.626(97.9)
871.082 18	0.50	^{94}Nb (6.263 m)	702.626(0.00315), 993.18(0.00075)
871.082 18	100	^{94}Tc (293 m)	702.626(99.6), 849.74(95.7), 916.10(7.6)
871.082 18	94	^{94}Tc (52.0 m)	1868.68(5.7), 1522.11(4.5), 2740.1(3.5)
871.1 5	0.21 4	^{88}Nb (7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
871.11 17	3.7 4	^{184}Au (53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 871.2 5	0.0076 25	^{79}Kr (35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
• 871.2 4	0.028 9	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
871.2 5	0.070 24	^{161}Er (3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
871.2 2	\dagger 4 1	^{181}Ir (4.90 m)	107.64(\dagger 100), 1639.6(\dagger 52), 318.9(\dagger 46)
871.29 19	\dagger 7.5 15	^{164}Tm (2.0 m)	91.40(\dagger 1500), 1154.66(\dagger 366), 768.91(\dagger 279)
871.3 5	0.126 16	^{45}K (17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
871.3 8	0.29 11	^{77}Rb (3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
871.3 2	2.08 15	^{149}Dy (4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
871.3 10	\dagger 3.1	^{177}Os (2.8 m)	84.7(\dagger 100), 125.4(\dagger 63), 195.8(\dagger 61)
871.3 3	0.139 20	^{202}Bi (1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
871.35 2	3.30 13	^{135}Ce (17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
871.375 23	0.034 3	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
871.4 5	0.26 13	^{74}Br (25.4 m)	634.78(64), 219.05(18.1), 634.26(14.1)
871.4 5	0.21 3	^{159}Eu (18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
• 871.46 13	0.38 3	^{119}Te (4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
871.47 30	1.54 6	^{146}Cs (0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)
871.5 3	0.37 7	^{98}Rb (114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
871.5 3	2.9 3	^{98}Rb (96 ms)	144.224(73), 289.4(68), 3010.5(23.4)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
871.5 2	0.020 5	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
871.6 2	†2.33 21	¹⁸⁵ Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
871.61 10	6.1 5	¹⁹⁷ Pb(8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
871.67 10	0.55 3	¹⁰⁷ In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
871.690 8	0.54 6	¹⁷⁵ Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
871.76 21	0.017 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
871.78 6	0.347 21	⁷⁹ Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
871.8	0.06	⁸³ As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
871.80 8	5.11 13	¹³⁸ Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
871.80 8	0.15	¹³⁸ Cs(2.91 m)	1435.795(19), 462.796(18.6), 191.96(15.4)
871.8 1	0.529 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
871.8 10	0.37 9	¹⁷⁰ Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
871.8 9	†1.5 7	¹⁹¹ Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
871.85 5	0.32 4	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
871.85 30	0.048 21	¹⁹⁵ Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
871.9 5	0.51 9	¹⁴⁴ La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
871.90 8	0.030 4	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
871.9 10	0.18 7	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
• 871.91 4	0.417 9	²⁰⁵ Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
872.00 15	0.53 4	⁹⁰ Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
872	0.28	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
• 872.03 6	0.215 6	¹⁶⁰ Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
872.03 6	†20.0 18	¹⁶⁰ Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
872.03 6	9.4 9	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
872.1 1	0.0153 18	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
872.1 7	1.2 5	¹⁷² Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
872.13 2	0.34 6	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
872.14 3	0.00025 8	⁶⁹ Zn(56.4 m)	318.71(0.0012)
• 872.14 3	11.9 9	⁶⁹ Ge(39.05 h)	1107.01(36), 574.17(13.3), 1336.72(4.5)
872.2 4	0.23 5	⁹⁷ Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
872.2 5	0.35 13	⁹⁷ Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
872.2 5	2.4 5	¹⁸¹ Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
872.3 4	0.41 10	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
872.3 3	1.42 14	¹³⁰ Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
• 872.3 3	0.131 15	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
872.3 2	0.017 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
872.3 5	†2.6 5	¹⁸⁰ Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
• 872.39 9	0.040 5	¹⁵⁶ Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
872.39 7	37	²⁰⁵ Po(1.66 h)	1001.21(28.8), 849.83(25.5), 836.79(19.2)
872.4 3	0.35 5	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
872.4 5	3.1 5	²⁰⁵ At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
872.40 15	0.70 25	²⁰⁹ Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
872.42 12	0.125 25	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
872.5 3	0.23 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
872.5 5	0.099 12	¹²⁷ Ba(12.7 m)	180.8(12), 114.8(9.3), 66.06(2.12)
872.5 1	†5.32 21	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
872.5	0.015 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
872.55 17	0.122 6	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
872.56 27	0.042 8	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
872.6 3	0.153 18	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
872.7	†3.1	¹⁴⁴ Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
872.7 6	0.099 21	¹⁶² Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
• 872.73 6	0.0081 10	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
• 872.753 7	0.017 9	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
872.79 19	†2.7 6	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
872.8 4	0.091 14	¹⁸⁷ Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
872.9 5	0.32 4	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
872.99 9	0.53 6	¹⁴⁸ Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
873 1		¹²⁸ Pr(3.1 s)	550.6, 799, 592
873.0 2	0.70 17	¹⁷³ Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 873.0 1	0.00086 9	¹⁷⁷ Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
873.0	0.016 6	²¹⁴ Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
873.06 19	1.24 6	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
873.1 3	0.171 19	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
873.1	0.015 15	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
873.17 15	0.032 6	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
• 873.190 5	12.27 3	¹⁵⁴ Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
873.190 5	9.2 6	¹⁵⁴ Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
873.190 5	5.3 5	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
873.190 5	3.4 4	¹⁵⁴ Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
873.2 6	0.09 4	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
873.30 11	0.74 6	¹⁸⁶ Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
873.31 11	†6	¹⁹⁷ Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
873.4 1	12.5 8	¹⁵⁴ Ho(11.76 m)	334.6(84), 412.4(15.0), 569(11.1)
873.44 5	7.0 8	⁷⁷ Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
873.48 4	0.439 6	¹⁰⁶ Rh(29.80 s)	511.842(20), 621.94(9.93), 1050.39(1.56)
873.48 4	0.199 5	¹⁰⁶ Ag(23.96 m)	511.842(17.0), 621.94(0.316), 1050.39(0.167)
873.5 3	0.20 10	¹⁰² Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
873.5 3	0.062 11	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
873.5 7	0.24 11	²⁰⁷ Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
873.68 17	0.0091 7	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
873.7 3	0.039 15	⁹⁵ Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
873.8 4	0.096 24	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 873.831 9	0.052 17	²⁰⁰ Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
• 873.85 25	0.0134 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
873.88 17	0.087 13	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
873.90 14	0.097 20	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
873.9 6	0.238 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
873.9 1	0.53 9	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
873.9 2	†23 1	¹⁹¹ Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
874.0 3	0.08 3	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
874.00 8	0.0047 10	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
874.0 10	0.404 24	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
874.0 5	0.0062	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
874.0 3	0.036 7	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
874.1 1	0.0253 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
874.1 3	0.80 6	¹⁴⁹ Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
874.1 2	0.51 5	²³⁶ Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
• 874.1 2	5.8×10 ⁻⁷ 6	²⁴⁰ Pu(6563 y)	45.242(0.0450), 104.234(0.00708), 160.308(0.000402)
874.11 11	0.028 3	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
874.16 20	0.14 3	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
• 874.18 3	0.235 9	¹⁴⁸ Pm(5.370 d)	1465.12(22), 550.284(22.00), 914.85(11.46)
874.2 2	†14.1 14	¹³² Pr(1.6 m)	325.5(†100), 496.9(†25), 822.4(†17.3)
874.2 2	0.48	¹⁴⁰ Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
874.21 16	†1.00 19	¹⁸⁹ Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
874.29 10	0.280 25	¹⁰³ Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
• 874.29 8	0.019 3	¹⁹³ Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
874.3 2	†31	⁷⁹ Zn(995 ms)	866.3(†100), 702.0(†75)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
874.30 7	0.39 3	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
874.3 4	0.05 3	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
874.35 5	0.0038	²³⁹ U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
874.4	†9	²³⁸ Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
874.41		²⁴ Ne(3.38 m)	472.202
874.44 8	0.049 11	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
874.5 5	3.4 6	⁹⁸ Cd(9.2 s)	347.18(78), 1176.1(66.3), 107.28(43.7)
874.5 2	0.115 13	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
874.5 5	0.048 14	¹⁷⁹ Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
874.51 2	0.164 3	¹³⁵ La(19.5 h)	480.51(1.5), 587.83(0.1108), 220.94(0.0541)
874.6	12.8 13	³⁹ S(11.5 s)	1301.7(52), 1696.5(44), 394.8(37)
874.6 4	0.40 5	⁸⁵ Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
874.6 2	†5.2 3	²⁰¹ Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
874.66 24	†0.59 14	¹⁸⁸ Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
874.67 6	0.023 3	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
874.7 5	†0.29 8	¹²⁰ I(81.0 m)	560.44(†137), 1523.0(†21.1), 640.85(†17.1)
874.7 5	1.0 3	¹²⁰ I(53 m)	560.44(100), 601.11(87), 614.62(67)
874.7 10	0.42 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
874.7 3	0.08	²²⁷ Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
874.77 7	†4.3 2	¹⁶² Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
874.77 9	1.64 8	¹⁹⁹ Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
• 874.81 18	0.33 4	¹⁰⁶ Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
• 874.813 13	6.29 6	¹⁸⁵ Os(93.6 d)	646.116(78.0), 880.523(5.17), 717.424(3.94)
874.83 3	0.0415 15	¹³³ La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
874.9 2	0.138 20	⁸¹ As(33.3 s)	467.72(20), 491.20(8.5), 521.10(1.40)
874.9 6	1.5 3	¹¹⁶ Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
874.92 8	1.27 7	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
875.0 4	1.27 16	⁶² Co(13.91 m)	1172.9(97), 1163.4(67.3), 2003.48(18.4)
875.0 3	0.108 17	⁹¹ Rb(58.4 s)	93.628(33.7), 2564.19(12.5), 3599.67(10.4)
875.0 1	1.25 4	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
875.02 15	†46	¹⁵⁴ Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
875.03 2	0.24 4	¹⁴⁵ Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
875.054 10	0.227 8	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
875.1 3	0.79 19	⁹⁴ Tc(52.0 m)	871.082(94), 1868.68(5.7), 1522.11(4.5)
875.1	0.038 17	¹³⁵ Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
875.12 5	2.8 3	⁵⁹ Mn(4.6 s)	726.7(42), 472.71(29.0), 570.81(24.8)
875.19 3	0.782 22	⁷⁷ Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
875.19 6	3.07 18	⁷⁹ Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
875.19 15	†3.8 3	¹⁶⁵ Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
875.2 1	†0.88 7	¹⁵⁸ Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
875.23 13	9.2 8	¹³⁸ I(6.49 s)	588.825(56), 2262.19(3.86), 483.700(3.53)
875.23 13	†70	¹³⁹ I(2.29 s)	588.825(†900), 483.700(†260), 1464.0(†4.9)
875.26 5	0.0427 13	¹²⁷ Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
875.30 12	0.025 3	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
875.3 3	0.21 4	¹⁸⁰ Lu(5.7 m)	407.94(43.0), 1199.7(24.3), 1106.00(22.7)
875.3 3	0.112 17	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
875.3	>0.013	¹⁹⁷ Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
875.329 11	4.51 10	¹³³ I(20.8 h)	529.872(87.0), 1298.223(2.35), 510.530(1.83)
875.40 12	0.150 25	¹⁵⁵ Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
875.4 3	†23 3	¹⁹⁵ Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
875.43 19	†7.5 15	¹⁶⁴ Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
875.44 12	0.53 6	⁹⁹ Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
875.44 5	1.40 20	¹⁰⁶ In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
875.45 11	0.34 4	¹⁰⁰ Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
875.46 5	2.44 15	$^{108}\text{In}(39.6 \text{ m})$	632.96(76), 1986.8(12.4), 3452.2(9.2)
875.46 5	100 10	$^{108}\text{In}(58.0 \text{ m})$	632.96(100), 242.84(41), 1032.85(35)
875.47 6	0.06 3	$^{183}\text{Hf}(1.067 \text{ h})$	783.754(66), 73.174(38), 459.069(27)
875.5 3	1.06 18	$^{172}\text{Ta}(36.8 \text{ m})$	214.02(46), 95.23(17.5), 1109.27(12.4)
875.5 2	†3.6 3	$^{185}\text{Hg}(21.6 \text{ s})$	222.8(†100.0), 258.7(†98), 212.5(†58)
875.5	†3.0 2	$^{191}\text{Pb}(2.18 \text{ m})$	387.1(†100), 712.2(†46), 613.5(†40)
875.6 3	0.97 9	$^{105}\text{In}(5.07 \text{ m})$	131.37(41), 260.21(15.7), 604.11(9.2)
875.6 5	0.65 7	$^{117}\text{Xe}(61 \text{ s})$	28.5(7.0), 221.3(10.0), 32.3(7.6)
• 875.650 15	0.722 15	$^{166}\text{Ho}(1.20 \times 10^3 \text{ y})$	184.410(72.6), 810.276(58.08), 711.683(55.32)
875.650 15	4.06 8	$^{166}\text{Tm}(7.70 \text{ h})$	778.817(18.9), 2052.36(17.2), 184.410(16.1)
875.68 5	0.150 7	$^{62}\text{Cu}(9.74 \text{ m})$	1172.9(0.34), 2301.8(0.0414), 1128.9(0.0324)
875.7 3	0.85 9	$^{120}\text{Xe}(40 \text{ m})$	25.1(30), 72.6(9), 178.1(6.8)
875.7 4	0.088 13	$^{121}\text{Xe}(40.1 \text{ m})$	252.7(13), 132.8(10.9), 445.2(7.7)
875.7		$^{157}\text{Lu}(5.0 \text{ s})$	967.5, 949.8, 880.5
875.7 7	4.5 7	$^{168}\text{Ta}(2.0 \text{ m})$	124.0(35.6), 261.6(22.7), 751.4(7.3)
875.73 6	24.1 13	$^{93}\text{Sr}(7.423 \text{ m})$	590.238(67), 888.13(21.8), 710.312(21.4)
875.8 3	0.18 3	$^{83}\text{Y}(7.08 \text{ m})$	35.50(0.44), 882.1(6.30), 489.90(5.53)
875.8 1	0.22 4	$^{109}\text{Ru}(34.5 \text{ s})$	206.29(22.0), 225.98(19.6), 1929.05(13.7)
875.8 3	†6.1 6	$^{120}\text{Cs}(64 \text{ s})$	322.4(†100), 473.5(†30), 553.4(†19.1)
• 875.8 6	0.009 5	$^{153}\text{Tb}(2.34 \text{ d})$	212.038(31.0), 170.504(6.8), 109.758(6.4)
875.8 3	0.32 4	$^{161}\text{Er}(3.21 \text{ h})$	826.6(3.0), 211.15(12.2), 592.6(3.7)
875.8 2	0.0069 3	$^{163}\text{Er}(75.0 \text{ m})$	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
875.84 10	11.4 9	$^{81}\text{Ge}(7.6 \text{ s})$	335.98(58.9), 792.94(34), 1495.53(19.9)
875.85 15	2.50 10	$^{105}\text{Ru}(4.44 \text{ h})$	724.21(47), 469.37(17.5), 676.36(15.7)
• 875.89 3	0.1509 24	$^{149}\text{Gd}(9.28 \text{ d})$	149.735(48.2), 298.634(28.6), 346.651(23.9)
• 875.9	0.035 19	$^{169}\text{Lu}(34.06 \text{ h})$	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
876.0 10		$^{129}\text{Sb}(4.40 \text{ h})$	812.8(43), 914.6(20.0), 544.7(17.9)
876.0 5	†3.6 18	$^{155}\text{Nd}(8.9 \text{ s})$	180.574(†100), 418.99(†75), 955.08(†50)
876.0 1	2.524 21	$^{234}\text{Pa}(6.70 \text{ h})$	131.30(18), 946.00(13.4), 883.24(9.6)
876.1 5	0.17 9	$^{157}\text{Tm}(3.63 \text{ m})$	455.00(9.3), 385.5(8.8), 348.40(8.4)
876.14 7	0.0020	$^{239}\text{U}(23.45 \text{ m})$	74.664(48), 43.533(4.14), 662.24(0.18)
876.2 7	2.58 21	$^{129}\text{Sb}(4.40 \text{ h})$	812.8(43), 914.6(20.0), 544.7(17.9)
876.20 14	2.31 17	$^{156}\text{Tm}(83.8 \text{ s})$	344.55(86), 452.85(17.2), 585.93(14.6)
876.2 4	0.042 3	$^{223}\text{Fr}(21.8 \text{ m})$	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 876.2 4	†0.010 3	$^{227}\text{Th}(18.72 \text{ d})$	235.971(†813), 50.13(†528), 256.25(†463)
876.21 4	1.06 16	$^{202}\text{Bi}(1.72 \text{ h})$	960.67(99), 422.18(83.7), 657.49(60.6)
876.3 1	4.2 3	$^{92}\text{Kr}(1.840 \text{ s})$	142.307(64), 1218.6(60), 812.6(14.6)
876.3	3.68 12	$^{141}\text{Ba}(18.27 \text{ m})$	190.328(46.0), 304.194(25.4), 276.948(23.4)
876.39 7	0.429 15	$^{151}\text{Nd}(12.44 \text{ m})$	116.80(43.4), 255.68(16.4), 1180.89(14.8)
876.4 3	6.1 6	$^{118}\text{I}(13.7 \text{ m})$	605.71(86.0), 545.12(10.9), 600.71(10.2)
876.4 3	2.1 4	$^{169}\text{Ho}(4.7 \text{ m})$	788.4(21.2), 853.0(11.2), 760.8(10)
876.4 4	0.76 8	$^{175}\text{Ta}(10.5 \text{ h})$	207.4(14.0), 348.5(12.0), 266.9(10.8)
876.4 2	0.165 24	$^{183}\text{Au}(42.0 \text{ s})$	161.18(9.4), 214.13(5.9), 313.08(5.0)
876.41 4	7.3 3	$^{150}\text{Pm}(2.68 \text{ h})$	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 876.5 2	0.026 6	$^{124}\text{I}(4.18 \text{ d})$	602.730(60), 1690.980(10.41), 722.786(9.98)
876.5 1	0.227 14	$^{146}\text{Ba}(2.22 \text{ s})$	140.7(20.2), 251.2(19.6), 121.2(14.2)
876.5 3	1.8 1	$^{200}\text{Po}(11.5 \text{ m})$	671.0(34.0), 617.7(19.7), 434.4(9.3)
876.54	1.73 4	$^{44}\text{K}(22.13 \text{ m})$	1157.031(58), 2150.76(22.7), 2518.95(9.69)
876.6 3	0.6 3	$^{102}\text{Zr}(2.9 \text{ s})$	599.60(13.9), 535.30(10.6), 64.50(8.9)
876.6 2	1.04 4	$^{132}\text{I}(2.295 \text{ h})$	667.718(99), 772.60(75.6), 954.55(17.6)
876.6 3	0.61 8	$^{154}\text{Ho}(11.76 \text{ m})$	334.6(84), 412.4(15.0), 873.4(12.5)
876.6 2	0.35 9	$^{173}\text{Ta}(3.14 \text{ h})$	172.2(18), 69.70(5.9), 90.3(5.0)
876.6 2	0.025 3	$^{176}\text{Ta}(8.09 \text{ h})$	1159.28(25), 88.34(12), 1224.93(6)
876.68 24	0.014 3	$^{151}\text{Tb}(17.609 \text{ h})$	287.357(28.3), 251.863(26.3), 108.088(24.3)

• $t_{1/2} > 1 \text{ d}$

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
876.7 4	0.11 6	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
876.8 3	90 9	⁶² Mn(0.88 s)	942.1(26), 1299.0(25), 1815.0(21)
876.8 5	0.28 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
• 876.80 25	0.0269 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
876.8 1	†1.70 17	¹⁷¹ Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
876.8 3	0.27 3	¹⁹⁸ Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
876.81 10	0.218 20	⁹⁵ Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
877.0 2	0.25 8	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
877.0 3	0.067 12	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
877.0 6	0.10 5	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
877.13 14	0.36 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
877.15 20	0.073	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
877.2 8	0.0033 16	⁶³ Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
877.2 2	0.16 13	¹⁰⁸ Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
877.20 6	0.165 9	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
877.2 3	0.36 7	¹³⁹ Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
877.2 4	1.22 16	¹⁷⁷ W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
877.22 15	0.44 22	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 877.30 10	0.05	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
877.3 10	†4.9	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
877.35 4	0.191 10	¹³⁰ I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
877.39 4	3.4 3	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
877.4 3	72 25	¹⁴⁸ Tm(0.7 s)	646.6(100), 1002.9(55), 257.5(52)
877.46 10	0.014 3	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
877.52 17	0.0011 7	¹²³ I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
• 877.55 4	0.0225 14	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
• 877.56 5	0.07	¹⁵⁶ Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
877.6 1	0.290 25	¹⁴³ Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
877.70 8	11.2 11	¹²² In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
• 877.7 1	0.101 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
877.76 17	2.7 4	¹⁹³ Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
877.80 9	0.216 9	¹⁰⁵ Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
877.8	0.5	¹¹¹ Sb(75 s)	154.48(71), 489.1(42), 1032.6(10.0)
877.9 3	0.0021 16	¹⁴⁹ Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
877.9 3	0.9 3	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
• 877.9	0.021 3	²⁰⁶ Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
877.97 3	11.40 31	⁵⁹ Cu(81.5 s)	1301.46(14.78), 339.411(7.97), 465.02(5.87)
878.0 4	3.5 4	¹²⁸ Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
878.0 2	0.082 8	²³⁰ Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
878.01 13		¹⁸² Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
878.07 10	0.72 3	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
878.1 2	29.4 12	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 943.3(14.9)
878.2	44 3	³⁶ Si(0.45 s)	175.0(68), 249.9(68), 424.9(32)
878.2 8	0.031	⁴³ Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
878.20 20	0.47 5	¹⁰⁵ Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
878.2 3	0.69 19	¹²¹ Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
878.2 4	0.19	¹⁴² La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
• 878.2 4	†0.0073 24	²²⁷ Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
878.21 4	0.14 4	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
878.23 8	0.040 3	¹⁵⁵ Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
878.27 26	0.29 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
878.3 5	0.028 9	⁸⁷ Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
878.3 3	0.35 7	¹¹⁹ Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
878.3 2	2.80 17	¹⁵⁴ Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
878.40 18	0.073 5	⁷² Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
• 878.40 18	0.017 3	⁷² As(26.0 h)	834.01(80), 629.95(7.92), 1463.95(1.107)
878.40 10	1.08 8	⁹¹ Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
878.4 2	0.024 3	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
878.40 16	24.2 16	¹⁹⁵ Pb(15.0 m)	383.64(106.9), 394.21(44), 707.67(14.0)
878.5	†3.5	¹⁰⁷ Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
878.5 1	0.052 2	¹¹³ Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
878.54 8	4.0 3	¹⁰⁰ Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
878.54 8	†18 3	¹⁰⁰ Y(0.94 s)	212.531(†100), 351.960(†33), 665.98(†13)
878.56 25		¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
878.6 5	0.22 4	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
878.6 5	0.13 5	¹⁶⁵ Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
878.6 4	0.12 6	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
878.67 11	0.818 17	¹⁹² Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
878.7 3	0.036	¹⁷⁰ Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
878.80 8	9.0 5	⁹⁷ Rh(30.7 m)	421.55(75), 840.13(12.0), 1053.70(1.47)
• 878.8 6	0.011 6	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
878.89 21	0.048 6	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
878.9 2	0.90 12	¹⁰¹ Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
878.92 5	0.25 5	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
878.92 5	1.97 23	¹⁸³ Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
879.0 10	0.32 13	⁷⁴ Br(25.4 m)	634.78(64), 219.05(18.1), 634.26(14.1)
879.0 3		¹¹⁸ I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
879.0 3	0.100 22	¹⁵³ Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
879.07 8	0.0371 25	¹²¹ I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
• 879.1 4	0.036 6	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
• 879.1 5	0.23 3	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
879.1 2	0.166 21	¹⁸³ Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
879.2 2	0.80 3	⁷⁹ As(9.01 m)	95.73(0.85), 364.9(1.06), 432.1(0.850)
879.2 4	0.60 9	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
879.20 4	0.176 6	¹³¹ La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
879.3 4	0.055 9	¹³⁹ Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
879.3 10	†4.3	¹⁷⁷ Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
879.31 15	0.140 23	¹⁵⁸ Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
• 879.383 3	30.01 18	¹⁶⁰ Tb(72.3 d)	298.580(25.51), 966.171(25.21), 1177.962(15.07)
879.383 3	†65.9 23	¹⁶⁰ Ho(5.02 h)	728.18(†100), 962.317(†59.1), 966.171(†54.5)
879.383 3	26.6 11	¹⁶⁰ Ho(25.6 m)	728.18(46.9), 962.317(25.6), 645.40(24.7)
879.4 6	†1.2 3	¹⁸⁵ Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
879.456 18	0.142 4	¹⁸⁷ W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
879.5 15	0.15 6	⁷⁴ Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
879.5 3	0.126 22	⁹¹ Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
879.5 2	0.19 3	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
879.51 19	0.024 7	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
879.55 20	0.0898 25	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
879.6 5	0.131 16	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
879.6 7	1.68 17	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
879.6 4	0.051 17	²⁴⁵ Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
• 879.65 25	0.0224 13	¹⁷⁰ Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
879.65 7	0.048 3	²¹⁰ Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
879.7 1	0.187 3	⁹¹ Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
879.7 2	0.163 22	¹⁰⁹ Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
879.7 2	0.26 4	²⁰⁸ Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
879.724 11	0.385 15	¹⁷³ Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
879.74 18	0.157 11	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
879.75 32	0.10 3	^{137}Nd (38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
879.75 10	2.74 18	^{140}Xe (13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
• 879.761 8	0.196 5	^{147}Eu (24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
879.78 29	2.3 3	^{159}Sm (11.37 s)	189.79(46), 861.97(18.2), 254.43(9.8)
879.8 5	0.16 5	^{105}In (5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
879.8 5	0.07 4	^{124}Cs (30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
879.8 7	0.09	^{203}Bi (11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 879.876 13	0.754 17	^{126}I (13.11 d)	388.633(34.1), 491.243(2.85)
879.876 13	1.29 3	^{126}Cs (1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
879.9 7	0.18 7	^{207}Rn (9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 879.93 4	0.342 19	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
880 1	>0.35	^{137}Pm (2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
880 10	0.0028 6	^{155}Sm (22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
880.0 10	0.30 13	^{159}Er (36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
880.0 3	0.52 13	^{181}Re (19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
880.08 12	0.084 13	^{189}Pt (10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
880.1 1	†3.6 4	^{172}Ir (2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
880.19 5	13 3	^{151}Pr (18.90 s)	189.057(11.8), 484.501(11.3), 495.309(11.2)
880.2 1	0.40 5	^{129}La (11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
880.2 1	0.95 6	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
880.2 4	1.22 16	^{177}W (135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
880.2 2		^{199}Po (5.48 m)	246.0(28), 845.7(23), 206.7(5.1)
880.2 2	3.0	^{199}Po (4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
880.26 7	0.00319 25	^{108}Ag (2.37 m)	433.937(0.50), 618.84(0.261), 1007.22(0.0139)
880.3	0.048 9	^{43}Ti (509 ms)	2288.2(4.40), 845.2(2.77), 2458.5(0.91)
880.3 3	0.29 6	^{121}Ag (0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
880.3 1	3.02 7	^{150}Tb (3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
880.39 10	10.4 5	^{156}Pm (26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
880.4 4	0.5 4	^{140}Pm (5.95 m)	1028.19(100), 773.74(100), 419.57(92)
• 880.46 1	1.031 9	^{143}Ce (33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
880.5 7	0.105 23	^{103}Cd (7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
880.5 1	0.126 13	^{143}Cs (1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
880.5 3	0.34 4	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
880.5		^{157}Lu (5.0 s)	967.5, 949.8, 875.7
880.5 1	6	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
880.5 1	4.2	^{234}Pa (6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 880.5 1	1.6×10^{-7} 4	^{238}Pu (87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
880.51 4	6.8 3	^{164}Lu (3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
• 880.523 13	5.17 6	^{185}Os (93.6 d)	646.116(78.0), 874.813(6.29), 717.424(3.94)
880.6 2	†0.69 21	^{131}Ce (5.0 m)	230.43(†100), 436.85(†7.3), 462.9(†6.9)
• 880.6 3	0.047 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 880.634 10	0.081 3	^{154}Eu (8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
880.634 10	0.31 4	^{154}Tb (9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
880.634 10		^{154}Tb (21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
880.70 7	18.1 3	^{55}V (6.54 s)	517.71(73), 921.10(4.6), 565.88(4.50)
880.7 1	0.06 3	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
880.710 17	3.96 20	^{117}Cd (2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
880.710 17	0.7 3	^{117}Cd (3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
880.76 10	0.0064 19	^{228}Ac (6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
880.79 15	0.085 6	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
880.8 3	0.11 3	^{138}Cs (33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
880.8	0.032 18	^{141}Ba (18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
880.8 3	0.32 3	^{159}Eu (18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
880.8 6	0.032 24	^{161}Er (3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
880.8 1	2.19 11	²⁵¹ Fm(5.30 h)	453.1(1.45), 405.6(0.99), 349.9(0.82)
880.9 6	0.0060 20	¹⁸ N(624 ms)	1981.95(83.2), 821.76(49.0), 1651.61(48.9)
880.9 3	0.054 18	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
880.9 5	0.0078	²³³ Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
880.9 5	$\dagger 3.8 \times 10^3$ 5	²³⁴ Pa(1.17 m)	1001.03(\dagger 837000), 766.38(\dagger 294000), 742.81(\dagger 80000)
880.92 4	1.09 8	²⁰⁷ At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
• 880.93 7	0.0316 25	¹⁶⁵ Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
881.0 3	0.108 10	¹⁰¹ Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
• 881.00 4	0.0215 10	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
881.0 5	$\dagger 3.0$ 9	¹⁷¹ Hf(12.1 h)	122.0(\dagger 100), 662.2(\dagger 83), 347.18(\dagger 47)
• 881.01 5	66.2 7	²⁰⁶ Bi(6.243 d)	803.10(99), 516.18(40.7), 1718.70(31.8)
881.05 45	0.078 21	¹⁴⁰ Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
881.1 3	0.22 5	⁹⁹ Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
881.1 1	7.6 10	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
881.10 14	0.78 8	¹⁹⁰ Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
881.1 1	0.187 17	¹⁹¹ Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
881.1 1	0.261 21	¹⁹⁴ Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
881.14 16	0.068 10	¹⁵¹ Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
881.14 10	0.74 4	²²⁴ Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
881.15 9	0.025 4	¹³¹ Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
881.17 5	4.4 9	¹²³ Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
881.2 3	0.17 7	¹²¹ Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
881.2 3	0.13 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
881.2	0.147 23	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
881.2 3	$\dagger 19.7$ 8	¹⁷⁰ Ho(43 s)	812.3(\dagger 100.0), 1894.5(\dagger 45.2), 78.6(\dagger 40)
881.39 2	0.219 20	²¹⁰ At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
881.4 3	0.0146 10	⁶² Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
881.4 5	0.36	¹¹⁶ Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)
881.4 3	0.35 6	¹⁴⁹ Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
881.4 3	0.046 11	¹⁶³ Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
881.43 50	0.057 15	¹⁶³ Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
881.49 88	0.041 24	¹⁴¹ Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
881.5	2.60 24	⁴⁰ Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
• 881.5	0.034	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
881.5 1	0.240 18	¹⁴⁷ Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
881.552 28	0.374 8	¹⁵⁹ Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
881.57 5	4.3 6	⁷⁵ Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
881.57 3	0.93 6	¹³² La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
881.59 18	2.11 12	¹⁸⁶ Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
• 881.6 3	0.046 15	¹³¹ Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
881.610 3	42	⁸⁴ Br(31.80 m)	1897.761(14.7), 3927.5(6.8), 2484.1(6.7)
881.610 3	98 10	⁸⁴ Br(6.0 m)	425.30(100), 1463.84(97), 446.9(3)
• 881.610 3	69	⁸⁴ Rb(32.77 d)	1897.761(0.738), 1016.162(0.349)
881.7 2	>0.06	¹⁴⁶ La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
881.8 5	$\dagger 0.68$ 12	¹²⁰ I(81.0 m)	560.44(\dagger 137), 1523.0(\dagger 21.1), 640.85(\dagger 17.1)
881.8 5	2.3 4	¹²⁰ I(53 m)	560.44(100), 601.11(87), 614.62(67)
881.8 5	$\dagger 1.9$ 4	¹⁸³ Hg(9.4 s)	60.5(\dagger 100), 159.91(\dagger 21), 172.70(\dagger 17)
• 881.893 25	0.0303 25	⁷¹ As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
881.9 4	0.30 12	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
881.9 3	$\dagger 10$ 4	¹¹² Te(2.0 m)	372.70(\dagger 100), 296.20(\dagger 86), 418.9(\dagger 57)
881.9 3	6.0 12	¹³² Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
• 881.98 5	0.0239 9	¹⁴⁹ Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
882.0 2	0.19 3	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
882.0 3	0.16 4	¹⁴¹ Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
882.0 6	†6.3 9	¹⁶⁰ Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
882.0 6	0.23 6	¹⁶⁰ Tm(74.5 s)	264.1(9), 125.8(6.5), 375.8(2.4)
882 2	0.21 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
882.0 4	0.0385 19	¹⁷¹ Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
882.0 15	†4	²²³ Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
882.1 1	6.30 16	⁸³ Y(7.08 m)	35.50(0.44), 489.90(5.53), 858.70(3.21)
882.1 7	0.094 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
882.10 30		¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
882.1 3	0.214 20	¹¹¹ Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
882.1 3		¹⁴⁶ Dy(29 s)	2156.8, 1915.7, 1876.7
882.13 7	0.31	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 882.17 5	0.059 5	⁷⁶ As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
882.17 5	0.407 22	⁷⁶ Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
• 882.2 4	0.040 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
882.3 4	0.35 13	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
• 882.3 5	0.062 21	¹⁴⁷ Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
882.3	92 4	¹⁴⁸ Tb(2.20 m)	784.430(100), 631.947(95), 394.6(86)
882.32 8	13.4 4	¹⁶² Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
882.32 8	0.38 12	¹⁶² Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
882.5 5	0.28 8	¹²⁶ Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
882.5	†0.66 7	¹³⁵ Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
882.6 5	1.16 15	⁶⁵ Co(1.20 s)	1141.7(4.0), 310.6(2.90), 963.7(2.6)
• 882.63 3	0.87 3	²³⁸ Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
882.63 3	0.0036 6	²³⁸ Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
• 882.63 3	6.25×10 ⁻⁸	²⁴² Cm(162.8 d)	44.08(0.0325), 101.90(0.0025), 157.42(0.0014)
882.65 8	0.160 12	⁷⁹ Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
882.70 5	2.21 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
882.7 3	0.06 3	¹⁴⁰ Eu(1.51 s)	530.7(29), 1068.0(3.2), 459.9(3.19)
882.8 4	0.96 19	¹⁷⁸ Re(13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
882.9 2	0.81 14	¹²² Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
882.9 2	7.0 13	¹²² Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
882.9 2	0.73 6	¹⁴¹ Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
882.9 2	0.54 7	¹⁴¹ Eu(2.7 s)	394.0(0.60), 518.8(0.45), 804.4(0.44)
882.96 17	0.25 8	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
883 2	0.28	¹⁰⁴ Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
883.0 9	0.25 6	¹²³ Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
883.0 9	0.45 10	¹²³ Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
883.06 14	0.042 7	⁸⁸ Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
883.1 5	0.094 23	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
883.1 3	†100 9	¹⁹⁵ Pb(15 m)	393.7(†42), 871.0(†36), 696.0(†31)
883.2 3	†0.56 8	¹²⁹ Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
883.24 4	9.6 6	²³⁴ Pa(6.70 h)	131.30(18), 946.00(13.4), 569.5(8.2)
883.24 4	†1.8×10 ³ 3	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
883.24 4	†1.7×10 ³ 5	²³⁴ Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 883.24 4	0.105 10	²³⁴ Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 883.24 4	7.7×10 ⁻⁷ 6	²³⁸ Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
883.28 17	0.26 9	¹⁸¹ Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
883.3 4	1.2 3	¹³⁰ Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
883.3 5	†1.9 10	¹⁵⁵ Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
883.3 2	0.031 3	²⁰⁸ Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
883.4 3	1.9 8	²⁰³ Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
883.49 8	0.70 8	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
883.5 5	>0.16	¹⁰⁵ Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
883.5 3	0.015 4	¹³⁹ Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
883.5 2	0.8	^{145}La (24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
883.6 1	0.282 7	^{113}Ag (5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
883.6 5	0.108 23	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 883.6 4	0.028 12	^{153}Tb (2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
883.61 10	7.21 21	^{83}Se (22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
• 883.68 13	0.045 5	^{151}Pm (28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
883.7 2	5.8 6	^{76}Rb (39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
883.7 2	>0.32	^{137}Nd (38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
883.8 5	0.10 5	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
883.8 2	0.21 5	^{173}Ta (3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 883.81 9	0.082 16	^{169}Lu (34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
883.9 3	†100	^{147}Ho (5.8 s)	189.1(†100), 486.7(†61), 1263.7(†36)
883.94 5	0.33 3	^{109}Ru (34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
883.984 20	29.9 6	^{204}Po (3.53 h)	270.068(27.8), 1016.31(24.1), 534.90(13.2)
884.0	0.7	^{96}Y (9.6 s)	1750.42(89), 915.0(60), 617.1(56)
884.0 4	0.108 18	^{120}Xe (40 m)	25.1(30), 72.6(9), 178.1(6.8)
884.0 5	0.020 6	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
884 4	0.256 22	^{167}Lu (51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
884.0 7	†1.5 5	^{171}Hf (12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
884.0 5	0.09 4	^{198}Tl (5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
884.0 2	<0.15	^{236}Pa (9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
884.090 25	64.9 10	^{134}I (52.6 m)	847.025(95.4), 1072.547(15.0), 595.362(11.2)
884.090 25	†3.6 19	^{134}I (3.69 m)	847.025(†3.6), 234.3(†2.5)
884.09 8	1.95 25	^{186}Ta (10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
884.1 6	0.092 23	^{79}Rb (22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
884.1 3	0.28 6	^{108}In (39.6 m)	632.96(76), 1986.8(12.4), 3452.2(9.2)
884.1 8	0.31 8	^{121}Cd (8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
• 884.10 15	0.345 20	^{170}Lu (2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
884.1 4	†0.38 14	^{188}Au (8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
884.11 6	0.37 8	^{143}Ba (14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
884.17 16	0.0156 5	^{77}Ge (11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
884.2 4	0.08 4	^{185}Au (4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
884.29 3	0.72 6	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
884.3 3	†0.76 19	^{189}Hg (7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
884.3 3	0.132 17	^{238}Am (98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
884.4 8	3.1 3	^{69}Ni (11.4 s)	1871.1(40.9), 679.7(39.7), 1213.0(39.3)
884.4 1	10.9 12	^{104}Tc (18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
884.4 4	†0.8 2	^{138}Pm (3.24 m)	520.9(†100), 729.0(†37.8), 493.1(†21.6)
884.4 5	9.0 25	^{172}Ho (25 s)	133.6(36), 178.0(23), 757.2(18)
884.42 5	0.060 5	^{155}Dy (9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
884.44 14	0.38 6	^{183}Au (42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
884.45 20	7.08 6	^{156}Ho (56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
884.47 5	10.0 5	^{195}Tl (1.16 h)	563.52(10.5), 1363.88(8.4), 242.15(4.3)
884.47 5	0.09 5	^{195}Tl (1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 884.48 21	0.0124 25	^{165}Tm (30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
884.5 5	0.21 7	^{83}Se (70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
884.5 2	8.1 5	^{128}La (5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
884.5 3	0.30 11	^{207}Rn (9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
884.50 4	0.012	^{239}U (23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
• 884.5418 8	0.2923 25	^{192}Ir (73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
884.5418 8	0.022 4	^{192}Au (4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
884.57 8	0.591 9	^{105}Cd (55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
884.60 21	0.22 3	^{103}Ag (65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
884.6 2	0.32 7	^{150}Tb (3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
884.62 10	0.66 5	¹⁵¹ Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
884.64 5		¹⁶⁸ Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
884.64 5	13.9 14	¹⁶⁸ Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
884.66 23	0.0385 16	⁸¹ Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
• 884.685 3	72.2 3	¹¹⁰ Ag(249.79 d)	657.7622(94.0), 937.493(34.13), 1384.300(24.12)
884.685 3		¹¹⁰ In(69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
884.685 3	92.9 19	¹¹⁰ In(4.9 h)	657.7622(98.3), 937.493(68.4), 707.40(29.5)
884.7 3	0.014 5	¹⁷⁶ Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
884.7 3	0.18	¹⁸¹ Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 884.76 6	0.0091 10	¹⁷¹ Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
884.8 5	0.10 3	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
884.8	0.48	¹⁰⁴ In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
884.80 6	0.99 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
884.80	0.99 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
884.8 5	0.127 25	¹⁵¹ Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
884.861 15	0.46 4	⁷⁸ As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
884.861 15	0.068 3	⁷⁸ Br(6.46 m)	613.725(14), 694.916(0.058), 1923.15(0.0490)
884.9 7	0.033	⁴⁴ Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
884.9 3	0.33 13	⁶⁵ Ge(30.9 s)	649.7(33), 62.0(27), 809.1(21.5)
884.9 1	54	⁷⁰ Cu(4.5 s)	1876(2.2), 1654.1, 1072.2
884.9 1	100 4	⁷⁰ Cu(47 s)	901.7(87), 1251.7(57), 1107.9(7.8)
884.9 2	0.010 3	¹¹⁹ I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
885.0 5	0.15 5	⁸⁸ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
885.0 10	0.14 5	¹⁸⁶ Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
885.0 10	0.17 3	¹⁹⁶ Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
885.0 7	0.34 7	²⁰¹ Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
885.08 7	†8.9 12	¹³¹ Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
885.1	0.41	¹⁴⁷ Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
885.1 5	0.33 7	¹⁵³ Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
885.1 4	0.75 8	¹⁸⁸ Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
885.18 11	0.72 7	¹⁰⁰ Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
885.2 4	0.32 5	¹²⁰ Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
885.2	0.046 9	¹⁴¹ Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
885.2 6	0.041 18	¹⁶¹ Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
885.4 8	60	³² Na(13.2 ms)	2151.3(32), 239.5(16.6), 1972.8(8.6)
• 885.4 2	0.10 4	⁹⁶ Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
885.4 3	0.10 8	¹⁰⁵ Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
885.4 3	0.56 10	¹¹⁹ Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
885.43 20	0.90 18	¹⁹⁷ Pb(8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
885.5 7	16	³³ Na(8.2 ms)	
885.5 7		³⁴ Na(5.5 ms)	
885.5 1	0.089 6	¹⁴⁵ Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
885.58 10	0.149 19	⁹⁸ Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
885.58 21	†1.7 4	¹⁸³ Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
885.59 6	0.177 18	¹⁸⁹ Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
885.6 1	†11.1 7	⁷⁵ Ga(126 s)	253.0(†100), 574.8(†31.6), 177.0(†10.7)
• 885.60 30	0.037 12	¹⁵³ Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
885.6 3	0.063 6	¹⁸⁶ Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
885.66 8	0.253 19	¹¹⁸ In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
885.7 3	0.36 5	¹²¹ Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
885.7 2	†5.3 8	¹⁵⁹ Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 885.823 11	0.0083 9	⁷⁷ Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
885.83 10	1.32 10	⁷⁶ Ga(32.6 s)	562.93(66), 545.51(26.0), 1108.41(15.8)
886.0 1	0.39 8	¹¹⁷ Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
886.0 4	0.044 25	^{133}Te (12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
886.0 5	0.73 15	^{139}Sm (2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
• 886.0 20	0.012 6	^{194}Au (38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
886.0 2	0.53 6	^{230}Fr (19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
886.01 23	0.64 18	^{186}Tl (27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
886.02 11	0.44 12	^{186}Ir (2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
886.06 3	0.372 19	^{163}Tm (1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
886.08 20	0.151 20	^{163}Yb (11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
886.1 2	†14.1 15	^{131}Ce (10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
886.1 5	0.025 8	^{132}I (2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
886.1 5	0.0028 14	^{151}Tb (17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
886.153 14	0.138 11	^{200}Au (48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 886.153 14	2.02 12	^{200}Tl (26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
886.156 25	2.52 17	^{179}Re (19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
886.2 2	0.333 22	^{76}Br (16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
886.2 5	0.38 8	^{170}Ta (6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
• 886.20 8	0.253 25	^{188}Ir (41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
886.2 4	†45	^{238}Pa (2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
886.22 5	2.44 12	^{141}Pm (20.90 m)	1223.26(4.74), 193.68(1.61), 1345.52(1.33)
886.3 10	0.2 1	^{89}Kr (3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
886.3 3	0.0059 11	^{90}Rb (258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
886.3 3	0.045 8	^{90}Rb (158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
886.3 2	0.039 5	^{176}Ta (8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
886.32 5	2.44 14	^{208}At (1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
886.4 2	†7.2 22	^{87}Nb (2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
886.5 3	0.33 6	^{99}Pd (21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
886.5 2	0.080 16	^{113}Sb (6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
886.59 8	0.0054 10	^{149}Nd (1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
886.7 3	0.17 4	^{95}Rb (377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
886.7 3	†>3.6	^{96}Rb (0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
886.7 7	1.49 19	^{117}Te (62 m)	719.7(65), 1716.4(15.9), 2300.0(11.2)
886.7 2	0.69 7	^{142}Eu (1.22 m)	768.1(100), 1023.3(92.0), 556.6(86.6)
886.72 7	0.128 7	^{187}Ir (10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
886.8 3	0.046 10	^{151}Nd (12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
886.96 20	†2.2 5	^{83}Ge (1.85 s)	306.51(†100.0), 1193.77(†20.5), 1525.50(†13.6)
• 886.98 10	0.0041 8	^{71}As (65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
887.0 7	0.84 9	^{51}Sc (12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
887.0 5	0.028 19	^{98}Nb (51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
887.0 3	0.23 3	^{101}Mo (14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
887.0 1	0.282 18	^{147}Pr (13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
887.0 8	1.8 5	^{191}Hg (50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
887.0 5	†0.115 21	^{196}Ir (1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
887.09 18	†0.43 4	^{184}Ir (3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
887.1 5	2.5 3	^{96}Pd (122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
887.10 20		^{106}In (6.2 m)	632.66(100), 861.16(92), 997.87(48)
887.1 1	0.50 3	^{146}Ba (2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
887.12 12	0.44 6	^{148}La (1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
887.12 7	0.166 21	^{153}Dy (6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
887.14		^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
887.14 20	0.71 9	^{245}Pu (10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
887.16 3	0.022 1	^{133}La (3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
887.19 7	0.34 7	^{74}Ga (8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
• 887.19 7	0.0255 12	^{74}As (17.77 d)	595.847(59), 608.353(0.552), 1204.208(0.285)

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ -rays: $E_\gamma(I_\gamma)$
887.2 7	0.13 7	¹⁷⁵ Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
887.28 10	$\dagger 7.08 \times 10^3$ 13	²³⁴ Pa(1.17 m)	1001.03($\dagger 837000$), 766.38($\dagger 294000$), 742.81($\dagger 80000$)
887.3	0.46 15	³⁵ K(190 ms)	2982.67(50.8), 2589.80(26.4), 1750.6(14.2)
887.3 5	$\dagger 3.5$ 4	¹⁰³ Mo(67.5 s)	83.4($\dagger 100$), 423.91($\dagger 69$), 45.8($\dagger 57$)
887.3 3	0.29 6	¹⁴¹ Eu(2.7 s)	394.0(0.60), 882.9(0.54), 518.8(0.45)
887.3 1	0.17 4	²⁰⁸ Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
• 887.3 3	$\dagger 2.2 \times 10^3$ 5	²⁴¹ Am(432.2 y)	59.537($\dagger 60$), 26.345($\dagger 1000 \times 10^9$), 33.195($\dagger 6000 \times 10^8$)
887.33 10	0.028 3	²²⁸ Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
887.34 29	0.053 12	¹⁶⁴ Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
887.40 17	0.44 4	⁸⁶ Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
887.4 4	0.078 17	⁹⁴ Y(18.7 m)	918.74(56), 1138.88(6.0), 550.88(4.9)
887.46 18	0.012 9	⁷³ Se(7.15 h)	360.80(108), 67.03(78), 865.09(0.584)
887.5 3	0.23 5	¹⁰³ Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
887.60 5	17.4 7	¹¹⁴ Sb(3.49 m)	1299.90(99), 327.18(7.0), 717.30(4.6)
• 887.6 6	0.0027 9	¹⁵¹ Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
887.6 2	0.248 22	¹⁶⁷ Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 887.693 15	0.149 3	⁶⁷ Ga(3.2612 d)	93.311(39.2), 184.577(21.2), 300.219(16.80)
887.7 2	0.24 5	¹³³ Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
887.72 10	$\dagger 32$ 5	¹⁵⁵ Nd(8.9 s)	180.574($\dagger 100$), 418.99($\dagger 75$), 955.08($\dagger 50$)
887.81 10	4.3 6	⁸³ Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
887.86 20	$\dagger 4.6$	¹⁹⁷ Ir(5.8 m)	469.72($\dagger 100$), 430.56($\dagger 61$), 815.92($\dagger 45$)
887.9 10		⁷⁷ Ga(13.2 s)	469.4($\dagger 100$), 458.6($\dagger 48$), 2187.3
887.9 6	0.64 12	⁸⁹ Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
887.9 5	0.18 4	⁹⁸ Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
887.9		¹³³ Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
887.981 16	0.748 11	¹⁸³ Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
888.0		¹⁰⁷ Sn(2.90 m)	1129.2($\dagger 100$), 678.5($\dagger 100$), 1540.6($\dagger 30$)
• 888.1 9	0.021 12	⁸³ Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
888.1 5	0.5 1	¹⁵⁹ Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
888.1 4	0.32 11	¹⁶⁴ Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
888.13 5	21.8 11	⁹³ Sr(7.423 m)	590.238(67), 875.73(24.1), 710.312(21.4)
888.20 8	38.7 12	¹⁶² Tb(7.60 m)	260.070(37.2), 807.53(42.8), 185.289(14.4)
888.20 8	0.061 11	¹⁶² Ho(15.0 m)	80.660(8.0), 1319.3(3.8), 1372.8(0.81)
888.20 8	0.06 5	¹⁶² Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
888.3 2	0.09 3	⁹⁴ Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
888.3 3	0.14 4	¹⁵⁹ Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
888.3 4	0.13 7	¹⁸⁵ Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
888.3 3	$\dagger 0.76$ 14	¹⁸⁹ Hg(7.6 m)	320.99($\dagger 100$), 78.21($\dagger 63$), 565.42($\dagger 48$)
888.4	36 9	⁴⁰ S(8.8 s)	211.55(72), 431.5(37), 676.8(27)
888.4 5	0.27 6	⁸⁶ Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
888.43 15	0.10	¹³⁷ I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
• 888.46 15	1.08 25	¹⁴⁶ Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
888.5 5	0.056 9	¹¹⁵ Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
888.5 3	0.64 9	¹⁴¹ Sm(10.2 m)	403.8(43), 438.8(37.7), 1292.6(6.8)
888.53 15	0.83 17	¹³³ Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
888.58 14	0.67 5	¹⁰¹ Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
888.6 5	0.067 6	¹³⁹ Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
888.6 5	0.81 19	²²⁸ Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
888.7 3	0.23 3	¹⁰¹ Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
888.70 21	0.085 17	¹⁰³ Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
888.7 3	0.63 15	¹⁰⁹ Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
888.7 1	0.49 5	¹²⁹ La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
888.7 5	0.035 8	¹³² I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)

• $t_{1/2} > 1$ d

Energy-ordered Decay γ -ray Tables from the *Table of Isotopes*

$E_{\gamma}(\Delta E)$	$I_{\gamma}(\Delta I)$	Decay Parent	Associated γ -rays: $E_{\gamma}(I_{\gamma})$
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- $t_{1/2} > 1$ d