INVESTIGATION OF ISOMERIC RATIOS IN (γ, n) REACTIONS ON RUBIDIUM ISOTOPES IN GIANT DIPOLE RESONANCE ENERGY REGION

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Dependence on gamma-quanta energy of isomeric yield ratios obtained in $^{85}Rb(\gamma, n)^{84m,g}Rb$ and $^{87}Rb(\gamma, n)^{86m,g}Rb$ reactions within 10 - 18 MeV energy range have been studied. Thresholds of isomeric states excitations and energies of activation levels have been determined. Experimental results are compared with TALYS-1.0 calculations in the framework of statistical model.