

## “SHAKE-OFF” ELECTRONS IN THE $\beta$ -DECAY $^{152}\text{Eu}$

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Based on measuring of double and triple coincidences  $\gamma$ -quants, conversion electrons (CE) and  $\beta$ -particles on different spectrum parts  $\Delta\beta$  with electrons (including the electrons of near-zero energy  $e_0$ -coincidence ( $\gamma$ , CE,  $\Delta\beta$ )-(e,  $e_0$ ) and coincidence  $\gamma\beta e_0$ ) the output of “shake-off” electrons is measured per on act  $\beta$ -decay  $^{152}\text{Eu}$  for parts  $\beta$ -spectrum with energies 77, 125, 300 and 350 keV. Intensity value of “shake-off” electrons (energetic spectrum of “shake-off”-electrons), and also the output of secondly-emissive  $e_0$ -electrons from “shake-off”-electrons on act  $\beta$ -decay is given for these energies. It is proved that  $\beta$ -particles and “shake-off” electrons evoked by them are strongly correlated in direction of flight, demonstrating predominantly emitting to the same half sphere.