

# ENERGY DISTRIBUTION OF THE “SHAKE OFF” ELECTRONS OF THE ATOMIC SHELL AT INTERNAL CONVERSION

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Researches of the energy spectrum of electrons of "shake off" are conducted at internal conversion of transition 122 keV E2 in the decay of  $^{152}\text{Eu}$ . The measurements are executed in the range of 200 - 1000 eV on the installation of coincidences of  $\gamma$ -quanta and electrons with low energy electrons, including a  $e_0$ -electrons of the secondary electron emission ( $\gamma e_0$ -coincidences). The registration of electrons of "shake off" implemented directly, and also on  $e_0$ -electrons, created by them. Integral spectrum was measured and on this basis the differential spectrum is calculated.

*Keywords:* “shake off” electrons, internal conversion.