

ENERGY DISTRIBUTION OF THE "SHAKE OFF" ELECTRONS AT THE ^{152}Eu DECAY

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On the special vacuum installation of coincidences of γ -quanta and β -particles with low energy electrons, including e_o -electrons of the secondary electron emission ($\gamma\beta e_o$ -coincidences) for the first time the energy spectrum of "shake off" electrons at ^{152}Eu decay is investigated in the range of 200 - 1700 eV. Registration of electrons of "shake off" is carried out on e_o -electrons of the secondary electron emission, created by them. By realization of threshold measurements the integral spectrum was obtained and on this basis the differential spectrum is computed. It is established, that the continuum of "shake off" electrons is low energy and practically finishes at 400 eV. In the region of 300 eV the maximum energetic distribution is observed.