

LOW-ENERGY SPECTRUM OF ELECTRONS
EMITTED AT IRRADIATION OF A TITANIUM
TARGET WITH β -PARTICLES OF TRITIUM
AND α -PARTICLES OF ^{238}Pu

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S u m m a r y

The low-energy spectrum of electrons emitted while bombarding a titanium target with β -particles obtained from a tritium source has been studied using the (βe)-coincidence method. To reveal common features and distinctions of this process for different charged particles under the same experimental conditions, including the same target, similar measurements were carried out using α -particles ejected in the decay of ^{238}Pu . It was shown that the ionization of atoms in the target at its bombardment with charged particles can be represented in the both cases as a result of the shake-off process.