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IMPLEMENTATION OF THE TECHNOLOGICAL ELECTRONS ACCELERATOR FOR NUCLEAR RESEARCH

Methodical decisions of application of technological electrons accelerator for nuclear researches are described. Tools of adaptation of the radiation installation of Institute for Nuclear Research, National Academy of Sciences of Ukraine with the electrons accelerator for research of cross sections of electronic excitation of the isomer states of different nucleon are given. Cross sections of electro-excitation in ^{176}Lu and ^{193}Ir at energy of electrons 4 MeV, which is $(3.2 \pm 0.3) \cdot 10^{-29}$ см^2 for ^{176m}Lu and $(1.2 \pm 0.1) \cdot 10^{-29}$ см^2 for ^{193m}Ir is measured.

Keywords: electrons accelerator, isomer states.