

NEW EXPERIMENTAL DATA FOR $^{53}\text{Cr}(n, \alpha)^{50}\text{Ti}$ REACTION

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(n, α) Reaction cross section data for chromium isotopes (^{50}Cr , ^{52}Cr , ^{53}Cr) are presented in this work

Measurements were carried out at the accelerator EG-1 IPPE. Ionization chamber with Frisch grid was used as a spectrometer. Created in IPPE digital signal processing method significantly reduced background from parasitic reactions and selected useful events

Measurements were made from 4.5 MeV to 7.15 MeV neutron energy region.