

MEASUREMENTS AND CALCULATION OF EFFICIENCY OF STILBEN AND NE213 NEUTRON DETECTORS

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Efficiencies of detectors consisted of NE213 ($\varnothing = 125$ mm, $H = 100$ mm) and stilben ($\varnothing = 100$ mm, $H = 70$ mm) scintillators for monoenergetic neutrons with 10.89 MeV energy were measured. The experimental values agree with Monte-Carlo calculations within the limits of 10 %.