

INVESTIGATION OF THE FIRST EXCITED LEVEL DECAY OF ${}^6\text{He}$ WITH $\alpha + \text{T}$ INTERACTION

O. K. Gorpinich, O. M. Povoroznyk, Yu. S. Roznyuk, B. G. Struzhko

The decay of an excited state 2^+ of ${}^6\text{He}$ formed in the reaction ${}^3\text{H}(\alpha, \text{p}){}^6\text{He}^*$, at $E_\alpha = 27,2$ MeV was experimentally investigated. The matrices of p- α coincidences and spectra of α -particles from the decay of a state 2^+ of ${}^6\text{He}$ for six pairs of angles of protons and α -particles were received.