

**INVESTIGATION OF THE $T+\alpha$ SYSTEM IN A KINEMATICALLY
COMPLETE EXPERIMENT AT ENERGY $E_\alpha = 27.2$ MEV**

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The ${}^3\text{H}(\alpha, d\alpha)n$ reaction was investigated in a kinematically complete experiment at energy $E_\alpha = 27.2$ MeV. Within the framework of model sequential decay the parameters of resonances for the ground and $2P_{1/2}$ excited states of a nucleus ${}^5\text{He}$ were obtained $E_r = 0.89$ MeV, $\Gamma = 0.6$ MeV and $E_r = 2.0$ MeV, $\Gamma = 2.0$ MeV.