

CHARGE EXCHANGE PROCESSES
 $p(t, {}^3\text{He})n\pi^0$ AND $p(t, {}^3\text{He})p\pi^-$ WITH CREATION
OF INTERMEDIATE BARYON RESONANCES

M.V. Evlanov, *A.M. Sokolov, V.K. Tartakovsky,*
V.V. Davydovskyy

Institute for Nuclear Research,
Nat. Acad. Sci. of Ukraine
(*47, Nauky Prosp., Kyiv 03680, Ukraine*)

S u m m a r y

Using the general formalism of the quantum theory of resonance scattering and its diffraction approximation, the charge exchange amplitudes for the $p(t, {}^3\text{He})$ processes with the excitation of intermediate Δ -resonances in the incident particle and the nucleus-target are constructed. The energy distributions of escaping ${}^3\text{He}$ nuclei are calculated.