## OFF-SHELL EFFECTS IN MULTIPLE SCATTERING OF PROTONS ON NUCLEI WITH A = 3, 4 AT 600, 1000 MeV

## V. V. Davydovskyy, A. D. Foursat

The Research of multiple center eikonal approach with regard to the scattering of high-energy protons on atomic nuclei is carried out. In contrast to the theory of Glauber - Sitenko, new approach uses three-dimensional generalized profile function of nucleon, which allows taking into account the off-shell effects in intermediate acts of scattering. The formalism that has been developed is applied for the calculations of the cross sections of elastic scattering of protons on <sup>3</sup>H, <sup>3,4</sup>He nuclei at energies of 600 and 1000 MeV. The results of calculations are compared with experimental data and calculations on conventional diffraction theory.