THE CROSS SECTIONS CALCULATIONS OF HADRONS AND COMPLEX PARTICLES ELASTIC SCATTERING ON NUCLEI WITH PHASE USING IN QUASI-CLASSIC APPROXIMATION

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The method of nuclear elastic scattering cross sections calculation has proposed for incident hadrons and complex particles within quasi-classic approximation using scattering phases. The calculations have performed for proton-nucleus elastic scattering cross sections from 182 MeV to 1 GeV. The calculating cross sections angular dependencies describe satisfactorily the experimental data behavior in secondary maxima neighbourhood.