THEORETICAL DESCRIPTION OF ELASTIC SCATTERING OF 700 MeV DEUTERONS BY ^{40}Ca AND ^{58}Ni

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S u m m a r y

We propose the method of calculation of the cross section of diffraction deuteron-nucleus scattering at intermediate energies in the quasi-classic approximation. The deuteron wave function was chosen as a Hülten one, the Coulomb interaction and nuclear surface diffuseness of targets were taken into account. The calculated cross sections of elastic scattering of 700 MeV deuterons by ^{40}Ca and ^{58}Ni satisfactorily fit the experimental data.