

# Rescattering effects in deuteron-proton elastic scattering at intermediate energies

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The deuteron-proton elastic scattering is considered at the deuteron energy from 500 up to 1200 MeV. The multiple-scattering-expansion technique is applied to evaluate the reaction amplitude. The one-nucleon-exchange, single scattering and double scattering contributions are taken into account. Also, some relativistic effects are included into consideration.

The obtained results are compared with the experimental data both for the differential cross section and polarization observables.

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