

The dp-elastic cross section measurement at the deuteron kinetic energy of 2.5GeV.

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A new results on the differential cross section in deuteron-proton elastic scattering are obtained at the deuteron kinetic energy of 2.5 GeV with the HADES spectrometer. The angular range of $69 - 125^\circ$ in the center of mass system is covered. The obtained results are compared with the relativistic multiple scattering model calculation using CD-Bonn deuteron wave function. The data at fixed scattering angles in the c.m. are in qualitative agreement with the constituent counting rules prediction.

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