

Dp breakup reaction investigation at intermediate energies at Nuclotron

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The aim of the deuteron spin structure (DSS) experiment is to obtain polarization observables in dp elastic scattering at large CMS angles ($> 60^\circ$) and in dp breakup.

The dp breakup reaction has been investigated by the scintillation detectors placed at the vicinity of Internal Target Station (ITS) of Nuclotron. Data have been obtained at the angles of 19° - 54° in the laboratory frame at the deuteron energy of 300 - 500 MeV.

The main goal of this report is to present a calibration procedure of Δ -E -E detectors. Calibration coefficients are used to recover deposited particle energy.

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