

New results on the vector A_y and tensor A_{yy} and A_{xx} analyzing powers in deuteron-proton elastic scattering at 400-1800 MeV.

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Collaboration

DSS

Abstract content

New results on the vector A_y and tensor A_{yy} and A_{xx} analyzing powers in deuteron-proton elastic scattering obtained at Nuclotron in the energy range 400-1800 MeV are presented. These data have been obtained at DSS setup at internal target station at Nuclotron- JINR using polarized deuteron beam from the new ion source. The preliminary data on the deuteron analyzing powers in the wide energy range demonstrate the sensitivity to the short-range spin structure of the nucleon-nucleon correlations.

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