

Measurement of the deuteron analyzing powers A_y , A_{yy} and A_{xx} in dp- elastic scattering at Nuclotron

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The results on the the vector A_y and tensor A_{yy} and A_{xx} analyzing powers in deuteron-proton elastic scattering at large scattering angles are presented.

These data were obtained at internal target at JINR Nuclotron in the energy range 400-1800 MeV using polarized deuteron beam from new polarized ion source.

New data on the deuteron analyzing powers in the wide energy range demonstrate the sensitivity to the short-range spin structure of the isoscalar nucleon-nucleon correlations.

The speaker is a student or young scientist

No

Section

1. Experimental and theoretical studies of nuclear reactions

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