

Spin studies with polarized beams at the Nuclotron internal target

Nuclotron Accelerator Complex gives the opportunity to study spin effects using polarized deuteron and proton beams from Source of Polarized Ion. Recent results on the spin effects in deuteron-proton and proton-proton elastic scattering sensitive to the short-range spin structure of the nucleon-nucleon correlations obtained at the internal target at Nuclotron are discussed.

The further perspectives in spin physics program, in the development of the beam polarimetry and proton spin manipulation techniques at Nuclotron are discussed.

Primary author: LADYGIN, Vladimir (Joint Institute for Nuclear Research, Dubna, Russian Federation)

Presenter: LADYGIN, Vladimir (Joint Institute for Nuclear Research, Dubna, Russian Federation)

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