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Study of spin effects with polarized beams at Nuclotron

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Nuclotron complex gives the unique opportunity to study spin effects using polarized deuteron and proton beams from new polarized ion source. 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 are discussed. The perspectives of further progress in physics program as well as in the development of the beam polarimetry and proton spin manipulation techniques are discussed.

Primary author: LADYGIN, Vladimir (VBLHEP JINR)

Presenter: LADYGIN, Vladimir (VBLHEP JINR)

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