

Study of spin effects with polarized beams at Nuclotron

Author: Vladimir Ladygin¹

¹ *VBLHEP JINR*

Corresponding Author: vladygin@jinr.ru

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.