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Spin studies of the short-range correlations at Nuclotron

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The results on the angular dependencies of the vector Ay and tensor Ayy and Axx 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 [1].
New data on the deuteron analyzing powers in in the wide energy range demonstrate the sensitivity to the short-range spin structure
of the isoscalar nucleon-nucleon correlations.
The perspectives of further studies of the short-range correlations
using polarized deuteron and proton beams are discussed.
[1] A.S.Belov et al., J.Phys.Conf.Ser. 938 (2017) 012017.

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