

Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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Physics program of the SPD experiment at NICA.

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The SPD experiment at the NICA collider aims to investigate the nucleon spin structure and polarization phenomena in collisions of longitudinally and transversely polarized protons and deuterons at \sqrt{s} up to 27 GeV and luminosity up to $10^{32} \text{ cm}^{-2} \text{ s}^{-1}$. Production of the Drell-Yan pairs, charmonia, prompt photons and high- p_T hadrons will be the main instrument to access the full set of the leading order transverse momentum-dependent PDFs of nucleons. Physics program of the experiment will be presented in details.

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