Session Program

7–11 Sept 2026



XXth Workshop on High Energy Spin Physics

Parallel A

JINR, BLTP Conference Hall
Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980

Monday 7 September

15:00

Parallel A: Session I

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:**
Chairman: Nikita Tsegelnik

15:00–15:25
On alpha_s extraction from the e^+e^- -to hadrons data below thresholds of charm quark production

Speaker
Kataev, Andrei

15:25–15:45 **The effect of radiative azimuthal mixing in SIDIS of polarized particles**

Speaker
Ilyichev, Alexander

15:45–16:05
Sensitivity of the Future Muon Collider to a Heavy Z' Boson in the $U(1)_{L_\mu - L_\tau}$ Model with Longitudinal Beam Polarization

Speaker
Sinegribov, Dmitry

16:05–16:20 **Comparison of various descriptions of Drell-Yan angular coefficients**

Speaker
Gramotkov, Nikita

16:20–16:35 **Angular Coefficients of the Drell-Yan Process from T-even Hadronic Structure**

Speaker
Anikin, Iurii

16:35–16:55 **Spin asymmetry in polarized muon and tau lepton decays**

Speaker
Voznaya, Uliana

16:55

17:15

Parallel A: Session II

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:**
Chairman: Andrei Kataev

17:15–17:35
Particle production in strong electromagnetic fields in ultra-peripheral ion-ion collisions. Challenges for NICA.

Speakers
Gevorgyan, Sergey, Dr Kouznetsov, Oleg

17:35–17:50 **The evaluation of a minimal oscillating EDM detectable in a storage ring**

Speaker
Aksentev, Alexander

17:50–18:05
Acceleration of polarized helium-3 ion beams at the JINR Nuclotron using a partial solenoidal snake

Speaker
Tsyplakov, Evgeny

18:05–18:20 **Bjorken Sum Rule and Expansions in Direct and Inverse Parameters**

Speaker
Volkova, Daria

18:20–18:40 **[Zoom] Fractional Analytic QCD beyond leading order in spacelike and timelike regions**

Speaker
Zemlyakov, Ivan

18:40–19:00
[Zoom] Electron and proton polarization properties within the Frenkel model of charged magneton

Speaker
Лебедев, Сергей

19:00

Tuesday 8 September

15:00

Parallel A: Session III

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:** Chairman: Georgy Prokhorov

15:00–15:25 **Global polarization from PHSD tranport model point of view in heavy ion collisions**

Speaker
Voronyuk, Vadym

15:25–15:45 **Revealing Vorticity and Acceleration Fields in Heavy-Ion Collisions via Spin Polarization**

Speaker
Tsegelnik, Nikita

15:45–16:10 **Equation of state of rotating gluon plasma from lattice simulations**

Speaker
Dr Roenko, Artem

16:10–16:30 **Gluodynamics in accelerated frames using first-principles lattice simulations**

Speaker
Dr Дей, Джаянта

16:30

16:50

Parallel A: Session IV

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:** Chairman: Artem Roenko

16:50–17:10 **Magnetic spin polarization of heavy nuclei**

Speaker
Kondratyev, Vladimir

17:10–17:30 **Momentum-space collective vortical observables**

Speaker
Dlin, Eduard

17:30–17:55 **Recent studies of hyperon polarization in heavy-ion collisions**

Speaker
Alpatov, Egor

17:55–18:20 **Performance study of global Λ polarization with the MPD detector at NICA energies**

Speaker
Troshin, Valery

18:20–18:45 **Global Polarization from Inclusive Λ Polarization via Directed Flow**

Speaker
Dr Rode, Sudhir Pandurang

18:45–19:10 **[Zoom] Λ Hyperon Polarization from Effective Propagators in the Core-Corona Model**

19:10

Speaker
Medina Serna, Jose Jorge

Wednesday 9 September

15:00

Parallel A: Session V

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:** Chairman: Анатолий Зеленский

15:00–15:20

PROGRAM OF THE STUDY OF ELASTIC PROTON AND ANTIPROTON SCATTERING ON PROTONS AT U-70

Speaker
Marina, Nurusheva

15:20–15:45 **First Experimental Limit on the Permanent Electric Dipole Moment of the Deuteron**

Speaker
Nikolaev, Nikolai

15:45–16:10 **Online polarimetry in the spin transparency mode of the NICA collider**

Speaker
Kondratenko, Anatoliy

16:10–16:30 **Spin Coherence Time Optimization by Mapping Method**

Speaker
Mr Kolokolchikov, Sergey

16:30

16:50

Parallel A: Session VI

Session | **Location:** JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | **Convener:** Chairlady: Alexandra Gurinovich

16:50–17:05

High-energy quasi-optical phenomena of birefringence and spin precession in nuclear pseudomagnetic field at fixed target and collider experiments.

Speaker
Anishchenko, Sergei

17:05–17:20

DEVELOPMENT OF A SOURCE OF POLARIZED PROTONS AND DEUTERONS WITH TRANSVERSE INJECTION OF ATOMS INTO A STORAGE CELL OF A CHARGE-EXCHANGE PLASMA IONIZER.

Speaker
Belov, Alexander

17:20–17:35

Transparent crossing of the induced intrinsic resonance with synchrotron energy modulation at the JINR Nuclotron

Speaker
Чернышов, Андрей

17:35–17:50 **The source of polarised ions(SPI) and nuclear reaction polarimeter(NRP)**

Speaker
Ivshin, Kuzma

17:50–18:05
Project on research of nuclear dd-synthesis with polarization of initial particles at low energies (PolFusion)

Speaker
Rozhdestvenskij, Anton

18:05–18:20 **Polarimeter for Polarized Protons and Deuterons at 5~MeV/nucleon at the Linac**

Speaker
Solovev, Aleksandr

18:20–18:35 **Polarimetry at NICA with cluster jet target**

Speaker
Dr Toporkov, Dmitriy

18:35–18:50 **Lamb-shift polarimeter development at MIPT**

Speaker
Zhabin, Sergey

18:50–19:05
Modernization of the JINR Nuclotron for control of the deuteron and proton beam polarization in the spin transparency mode

Speaker
Бутенко, Елизавета

19:05