

пн, 7 сентября

08:30

Registration

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

09:50

09:50

Opening

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

10:00

10:00

Plenary: Session I

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Oleg Teryaev

10:00–10:30 The Spin Physics Detector at the NICA Collider: Current Status and Outlooks

Speaker

Kim, Victor

10:30–11:00 Status and perspectives of the MPD experiment at NICA

Speaker

Тараненко, Аркадий

11:00–11:30 [Zoom] Highlights from COMPASS

Speaker

Bradamante, Franco

11:30

11:30

Coffee break

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

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11:50

Plenary: Session II

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Victor Kim

11:50–12:20 Status of the SPRINT@NICA project

Speaker

Ладыгин, Владимир

12:20–12:50 Study of spin effects in hadron reactions at U70 accelerator

Speaker

Mochalov, Vasilii

12:50–13:20 [Zoom] Measurements of transverse spin asymmetries at COMPASS

Speaker

Martin, Anna

13:20

13:20

Lunch

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

15:00

15:00

Parallel A: Session I

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener:

Chairman: Nikita Tsegelnik

15:00–15:25

On α_s extraction from the $e^+e^- \rightarrow$ 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

15:00

Parallel B: Session I

Сессия | Местоположение: BLTP JINR, Blokhintsev auditorium, 4th floor | Convener: Chairman: Vladimir Ladygin

15:00–15:20

Physical principles of atomic beam production and diagnostic methods (the APol Absolute polarimeter project)**Speaker**

Larionov, Vladislav

15:20–15:40

Status of the SPD Range System Implementation in Sampo**Speaker**

Osetrov, Alexandr

15:40–16:00

Light collection in scintillator tiles of the BBC detector for the SPD experiment**Speaker**

Shafikova, Dina

16:00–16:20

Simulations of the azimuthal asymmetries of charged particles in pp-collisions with BBC detector at the SPD.**Speaker**

Terekhin, Arkadiy

16:20–16:40

High multiplicity sources

Speaker

Кокоулина, Елена

16:40–17:00 Spin of Proton and Structure of Deuteron

Speaker

Мусульманбеков, Женис

Break

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

Parallel A: Session II

Сессия | Местоположение: 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, 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

Parallel B: Session II

Сессия | Местоположение: BLTP JINR, Blokhintsev auditorium, 4th floor | Convener: Chairman: Елена Кокоулина

17:15–17:35 [Zoom] On Electricity and Magnetism in the Space-Time Film Theory

Speaker

Chernitskii, Alexander

17:35–17:55

Измерение спиновой выстроенности $K^*(892)$ - мезонов, образованных в К-ядерных- взаимодействиях на ускорительном комплексе У-70

	Speaker Kalugin, Nikita
	17:55–18:15 Standard Model parameters, fundamental constants and dynamics of particles and fields with spin Speaker Makhaldiani, Nugzar
	18:15–18:35 Kerr-Newman Electron as a String Quark Generated by Strong Gravity Speaker Burinskii, Alexander
18:55	
19:00	
21:00	Welcome party Перерыв Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980

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Plenary: Session III

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Alexey Aparin

09:30–10:00 **Fresh Look at Polarized Deuterons at the Nuclotron/NICA & HIAF and Beyond**

Speaker

Nikolaev, Nikolai

10:00–10:30 **Spin Polarization and Magnetic Field in Relativistic Heavy-Ion Collisions**

Speaker

Jaiswal, Amaresh

10:30–11:00 **Lattice study of rotating gluodynamics and QCD**

Speaker

Braguta, Victor

11:00–11:30 **[Zoom] Electron-ion collider in China**

Speaker

Zhang, Jinlong

11:30

11:30

Coffee break

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

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11:50

Plenary: Session IV

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Victor Braguta

11:50–12:20

J/ψ Leptonic Angular Coefficients as a Probe of Linearly Polarized Gluons in Soft Gluon Resummation

Speaker

Saleev, Vladimir

12:20–12:50

Non-diagonal hard exclusive reactions and studies of hadronic structure with $N \rightarrow N^*$ transition GPDs

Speaker

Semenov-Tyan-Shanskiy, Kirill

12:50–13:20 **[Zoom] SDME measurements at COMPASS for exclusive VMs: recent highlights**

Speaker

Augsten, Kamil

13:20

13:20

Lunch

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

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15:00

Parallel A: Session III

Сессия | Местоположение: 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 transport 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
Roenko, Artem

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

Speaker
Дей, Джаянта

16:30

15:00

Parallel B: Session III

Сессия | Местоположение: BLTP JINR, Blokhintsev auditorium, 4th floor | Convener: Chairman: Vasilii Mochalov

15:00–15:25

Observation of single-spin asymmetry of inclusive charged pions production and polarization of inclusively produced Λ - and $\bar{\Lambda}$ -hyperons in the SPASCHARM experiment

Speaker
Moiseev, Vyacheslav

15:25–15:50 Leptonic decay of the Z boson for polarized Higgs-strahlung

Speaker
Hurynovich, Aliaksei

15:50–16:10

Influence of Inverse-Compton-Like Quark–Gluon Configurations on Transverse Momentum and Pseudorapidity Distributions in Proton–Proton Collisions

Speakers
Alizada, Mohsun, Suleymanov, Mais

16:10–16:30 Status of ALPOM2 setup

Speaker
Кириллов, Д

16:30

16:30

16:50

16:50

Coffee break

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

Parallel A: Session IV

Сессия | Местоположение: 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**

Rode, Sudhir Pandurang

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

Medina Serna, Jose Jorge

Parallel B: Session IV**Сессия** | **Местоположение:** BLTP JINR, Blokhintsev auditorium, 4th floor | **Convener:** Chairman: Николай Пискунов**16:50–17:15 Hadron gravitational form factors $\langle G \rangle$ and high energy nucleon elastic scattering****Speaker**

Selyugin, Oleg

17:15–17:35 Generalized parton distributions of a deuteron in an AdS/QCD hard-wall model**Speaker**

Allahverdiyeva, Minaya

17:35–17:55 [Zoom] Spin-Dependent Glueball Spectrum and Regge Trajectories in SU(3) Dual QCD**Speaker**

Punetha, Garima

17:55–18:15 Spin symmetry operators of the Dirac equation and the problem of separation of variables**Speaker**

Breev, Alexander

18:15–18:35 Hardware and software complex for control and synchronization of the SPI equipment**Speaker**

Дунин, Никита

18:35–18:55 Polarized Electron Scattering from Light Nuclei at High Energies**Speaker**

Vo, Minh Truong

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09:30

Plenary: Session V

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Alexey Guskov

09:30–10:00 Efforts towards polarized beams and spin physics at HIAF

Speaker
Gou, Boxing

10:00–10:30 CNI Polarimetry in the NICA Accelerator Collider Complex

Speaker
Зеленский, Анатолий

10:30–11:00 Polarized electron parton distribution functions

Speaker
Arbuzov, Andrej

11:00–11:30 Role of Double-Logarithmic Approximation in high-energy spin physics

Speaker
ERMOLAEV, Boris

11:30

11:30

Coffee break

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

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11:50

Plenary: Session VI

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Boris Ermolaev

11:50–12:20 Fundamentals of physics of spin and orbital angular momentum

Speaker
Silenko, Alexander

12:20–12:50 Small transverse momentum in collinear scheme

Speaker
Zhevlakov, Alexey

12:50–13:20 [Zoom] to be presented

Speaker
Kainth, Gursimran

13:20

13:20

15:00

Lunch

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

15:00

Parallel A: Session V

Сессия | Местоположение: 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**

Kolokolchikov, Sergey

16:30

15:00

Parallel B: Session V

Сессия | Местоположение: BLTP JINR, Blokhintsev auditorium, 4th floor | Convener: Chairman: Alexey Zhevlakov

15:00–15:25

Spin observables of the $dd \rightarrow n+p+d$ and $pd \rightarrow pd$ processes**Speaker**

Uzikov, Yury

15:25–15:50

Self-similarity, fractal cumulativity and spin**Speaker**

Tokarev, Mikhail

15:50–16:10

Spin-orbit effects in decays of (pseudo)scalar particles and diffraction of twisted quantum states**Speaker**

Borodin, Nikita

16:10–16:30

Исследование реакции $n p \rightarrow \Delta^{++} \Delta^-$ при промежуточных энергиях**Speaker**

Иерусалимов, Александр

16:30

16:30

Coffee break

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

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Parallel A: Session VI

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: 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 (PoIFusion)

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
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

Parallel B: Session VI

Сессия | Местоположение: BLTP JINR, Blokhintsev auditorium, 4th floor | Convener: Chairman: Andrej Arbuzov

16:50–17:15

Storage Ring for Searching for the Electric Dipole Moment of Light Nuclei at INR RAS

Speaker
Melnikov, Aleksei

17:15–17:40

Effect of orbital motion on the spin dynamics of charged particles in a Magnetic Structure and an Electrostatic Structure for EDM Searches

Speaker

Palamarchuka, Patricija

17:40–18:05

Magnetic moments of light charged vector mesons in relativistic quark model

Speaker

Haurysh, Vadzim

18:05–18:30

[Zoom] Comparative analysis of the contribution of the subprocesses $qg \rightarrow q\gamma$, $q\bar{q} \rightarrow q\gamma$, $q\gamma \rightarrow q\gamma$, $q\bar{q} \rightarrow g\gamma$ to the double longitudinal spin asymmetry and to the transverse momentum spectra of direct photons produced in collisions of polarized protons at PHENIX and SPD energies.

Speaker

Kruashvili, Dmitry

18:30–18:55

[Zoom] Breakdown of the domain wall and generation of solitary vortex structures in a permalloy film with a stepped relief on a surface

Speaker

Rokhin, Mikhail

18:55

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09:30

Plenary: Session VII

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Boxing Gou

09:30–10:00 Status of the Deuteron Spin Structure studies at the Nuclotron

Speaker

Ладыгин, Владимир

10:00–10:30

Design of a magneto-optical lattice for the search for the electric dipole moment of protons and deuterons at the NICA accelerator complex

Speaker

Senichev, Yury

10:30–11:00 Spin-spin correlations in $\Lambda\bar{\Lambda}$ pairs production at NICA SPD

Speaker

Guskov, Alexey

11:00–11:30 Spin Asymmetry Measurements from Quasi-Elastic dd Scattering at the SPD

Speaker

Datta, Amaresh

11:30

11:30

Coffee break

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

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11:50

Plenary: Session VIII

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Amaresh Datta

11:50–12:20

The Nancy Grace Roman Space Telescope: New Horizons for Dark Energy, Dark Matter and Exoplanets

Speaker

Zakharov, Alexander

12:20–12:50 Quantum field theory of neutrino spin-flavor precession in external fields

Speaker

Dvornikov, Maxim

12:50–13:20 Spin effects in hadronic and heavy ion collisions: superstrong gravity probe?

Speaker

Teryaev, Oleg

13:20

13:20

Lunch

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

15:00

15:00

Excursion

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

19:00

19:00
21:00

Banquet

Перерыв | Местоположение: Vekslera, 8, Hotel Dubna, Restoran Dubna

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09:30

Plenary: Session IX

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Nikolai Nikolaev

09:30–10:00 **Isospin-violating strong decays of the exotic $X(3872)$ and $X_2(4014)$ states**

Speaker

Ganbold, Gurjav

10:00–10:30 **Polarization effects in the elastic $\vec{e} \vec{p} \rightarrow \vec{e} \vec{p}$ process**

Speaker

Galynskii, Mikhail

10:30–11:00 **[Zoom] The nucleon-structure experimental program at Jefferson Lab**

Speaker

Nicolai, Silvia

11:00–11:30 **The string+3P0 model of hadronization: recent developments**

Speaker

Kerbizi, Albi

11:30

11:30

Coffee break

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

11:50

11:50

Plenary: Session X

Сессия | Местоположение: JINR, BLTP Conference Hall, Joliot-Curie St. 6, Dubna, Moscow Region, Russia, 141980 | Convener: Chairman: Mikhail Galynskii

11:50–12:20 **On (possible) parity violation in accelerated motion**

Speaker

Zakharov, Valentin

12:20–12:50 **Quantum dynamics of spin 1 particles on curved spacetime**

Speaker

Obukhov, Yuri

12:50–13:20 **Low energy spin physics: magnetic condensed matter**

Speaker

Максимов, Павел

13:20

13:20

Lunch

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

15:00

15:00

Plenary: Session XI

Сессия | Convener: Chairman: Oleg Teryaev

15:00–15:30 **Spin Transparency mode at the NICA accelerator complex**

Speaker
Filatov, Yury

15:30–16:00 **Linearly polarized gluon density at low x**

Speaker
Kotikov, Anatoly

16:00–16:20

Dilepton production at CMS LHC: inverse boson emission vs the Drell-Yan process and photon fusion.

Speaker
Zykunov, Vladimir

16:20–16:50

[Zoom] Hadron structures with dilepton productions

Speaker
Peng, Jen-Chieh

16:50–17:20

[Zoom] Lambda global polarization in relativistic heavy-ion collisions: News from the core-corona model

Speaker
Ayala, Alejandro

17:20

17:20

18:20

Closing and coffee "na pososhok"

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