

XIXth Workshop on High Energy Spin Physics dedicated to 90th anniversary of A.V. Efremov birth

Monday, 4 September 2023

Plenary: Session I - BLTP Conference Hall (10:00 - 11:30)

time	[id] title	presenter
10:00	[84] OPENING	
10:10	[85] Physics with SPD experiment at NICA	KIM, Victor
10:50	[27] Polarized Ion Sources for high-energy accelerators and colliders	ZELENSKI, Anatoli

Plenary: Session II - BLTP Conference Hall (11:50 - 13:30)

time	[id] title	presenter
11:50	[50] Brief history of effective time-reversal in QCD	TERYAEV, Oleg
12:30	[29] Studies of the nucleons structure using the SIDIS azimuthal angle asymmetries calculated with modified double ratios of numbers of the hadrons	O.KOUZNETSOV, JINR
12:50	[18] Quantum model of spinning black holes. Quantum model of electron.	NEZNAMOV, Vasiliy

Plenary: Session III - BLTP Conference Hall (15:00 - 16:00)

time	[id] title	presenter
15:00	[38] Prospects of Open-Charm Asymmetry Measurements at the SPD	DATTA, Amaresh
15:30	[9] Simulation of the pp - scattering for the Beam-Beam Counter at SPD at NICA	TEREKHIN, Arkadiy

Plenary: Session IV - BLTP Conference Hall (16:10 - 20:30)

time	[id] title	presenter
16:10	[71] Resolution of SPD Detector in the Search of Dibaryons with small energy excitations	KURBATOV, Vladimir
16:40	[21] Development of the SPD Beam-Beam Counter scintillation detector prototype with FERS 5200 front-end readout system.	TISHEVSKY, Aleksey
17:10	[41] Transition energy crossing of polarized proton beam at NICA	Mr KOLOKOLCHIKOV, Sergey
17:40	[91] Fast simulation of nucleon momenta in deuteron for experiments at NICA SPD	KOSTENKO, Boris
18:10	[92] Active role of gluons in multiparticle production	Prof. KOKOULINA, Elena

Tuesday, 5 September 2023

Plenary: Session V - BLTP Conference Hall (09:30 - 11:50)

time	[id] title	presenter
09:30	[93] Status and physics reach of the proton EDM experiment	SEMERTZIDIS, Y.
10:10	[61] Search for axions at NICA	Mr NIKOLAEV, Nikolai
10:50	[53] Probing axion physics with spin	OBUKHOV, Yuri
11:20	[32] Manifestation of dark matter axions in spin experiments	Prof. SILENKO, Alexander

Plenary: Session VI - BLTP Conference Hall (12:10 - 13:30)

time	[id] title	presenter
12:10	[6] Quantum electrodynamics with empty fermion vacuum without “sea” of states with negative energies and with opposite signs of mass summands in Dirac equations for particles and antiparticles. Possibilities of experimental verification.	NEZNAMOV, Vasiliy
12:40	[17] How to access QED at a supercritical Coulomb field with heavy ions	Prof. SHABAEV, Vladimir
13:10	[83] Analog of Weyl meson as analog of the dark photon	Mr SEDOV, Sergey

Wednesday, 6 September 2023

Plenary: Session XI - BLTP Conference Hall (09:30 - 11:40)

time	[id] title	presenter
09:30	[39] Spin-flipping within the Frequency Domain method of searching for particle electric dipole moment	AKSENTEV, Alexander
09:55	[40] NICA facilities for the search for EDM light nuclei	SENICHEV, Yury
10:20	[35] Quasi-frozen spin concept at NICA for EDM search and its matrix analysis	MELNIKOV, Aleksei
10:45	[57] Manifestation of the electric dipole moment in the decays of τ leptons produced in e^+e^- annihilation	OBRAZTSOV, Ivan
11:10	[77] Scattering of unstable particles	GINZBURG, Ilya

Plenary: Session XII - BLTP Conference Hall (12:00 - 13:30)

time	[id] title	presenter
12:00	[30] Extraction of information on transverse GPDs from π^0 and η production on EIC of China	Dr XIE, Ya-Ping
12:30	[49] GPDs and gravitational form factors of nucleons (quark and gluon contributions)	SELYUGIN, Oleg
13:00	[4] Phenomenology of Vector-Meson Electroproduction on Spinless Targets	Dr MANAENKOV, Sergey

Plenary: Session XIII - BLTP Conference Hall (15:00 - 16:30)

time	[id] title	presenter
15:00	[24] Revisit the spin effects by thermal vorticity	Prof. GAO, Jian-Hua
15:30	[64] Axial current and hydro-gravity duality	ZAKHAROV, Valentin
16:10	[22] Kinematical Vortical Effect and Gravitational chiral anomaly	PROKHOROV, George

Plenary: Session XIV - BLTP Conference Hall (16:50 - 18:30)

time	[id] title	presenter
16:50	[59] Influence of relativistic rotation on QCD properties	BRAGUTA, Victor
17:30	[48] Inhomogeneous phases in rotating gluon plasma	Dr ROENKO, Artem
17:50	[47] Correlations of kinematic quantities for pions and nucleons in PHSD model	KOLOMOYETS, Natalia
18:10	[36] Global polarization of Λ hyperons in Au+Au collisions in the STAR experiment	ALPATOV, Egor

Thursday, 7 September 2023

Plenary: Session XV - BLTP Conference Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[43] Z-boson pT-spectrum and lepton angular coefficients in the LO high-energy factorization with the real NLO corrections	Prof. SALEEV, Vladimir
10:10	[34] Production of prompt polarized J/ψ in the NRQCD and Generalized Parton Model	SHILYAEV, Kirill
10:30	[102] Exclusive reactions and Spin problems at SPD	SHIMANSKIY, Stepan
11:00	[56] The study of the nonleptonic decay $\Lambda_c^0 \rightarrow \Lambda_c^+ \pi^-$ in the covariant confined quark model	IVANOV, Mikhail

Plenary: Session XVI - BLTP Conference Hall (11:50 - 13:50)

time	[id] title	presenter
11:50	[52] Effective Potential and Conformal Symmetry in ϕ^4	ANIKIN, Igor V.
12:20	[33] The bare and gravitationally dressed electron based on the Kerr-Newman black hole solution	Prof. BURINSKII, Alexander
12:50	[23] About toroidal leptons in space-time film theory	Dr CHERNITSKII, Alexander

Plenary: Session XVII - BLTP Conference Hall (15:00 - 16:30)

time	[id] title	presenter
15:00	[44] Test of T-invariance in Double Polarized Scattering of ^3He Nuclei on Deuterons	UZIKOV, Yury
15:30	[20] Search for new symmetries of hadron production in high energy collisions of protons and nuclei	Prof. TOKAREV, Mikhail
16:00	[19] Spin effects in the neutrino gravitational scattering	DVORNIKOV, Maxim

Plenary: Session XVIII - BLTP Conference Hall (16:50 - 18:50)

time	[id] title	presenter
16:50	[105] Evolution of Helicity Property of Relic Neutrinos	PENG, J.-C.
17:30	[45] Composite effective field theory signal in case of searching for neutral triple gauge couplings with $ZZ \rightarrow \ell\ell^+ \ell\ell^- \nu \bar{\nu}$ production	SEMUSHIN, Artur
18:00	[70] Hyperon polarization in HICs and in hadronic reactions	Dr KOLOMEITSEV, Evgeni
18:30	[60] Performance of hyperon global polarization measurements with NICA/MPD	NAZAROVA, Elizaveta

Friday, 8 September 2023

Plenary: Session XIX - BLTP Conference Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[73] Study of Spin Effects in SPASCHARM Experiment at U-70 facility	MOCHALOV, Vasili
10:10	[69] Feasibility of model-independent reconstruction of the amplitudes of the pp elastic scattering matrix at the SPASCHARM facility at U70	MARINA, Nurusheva
10:40	[62] Measurement of quark and gluon jet fractions: methodology and preliminary results for the CMS	SHULGA, Sergey
11:00	[78] Decay Of High-Spin Isomers Into Odd-Odd Holmium Nuclei With A= 160,158,156.	YUDIN I.P