



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

## Tuesday, 5 September 2023

### Parallel B: Session VIII - Blokhintsev auditorium, 4th floor (15:00 - 16:30)

time	[id] title	presenter
15:00	[15] Vector Polarization of the Nuclotron Deuteron Beam at the Energies from 200 to 650 MeV/nucleon	VOLKOV, Ivan
15:20	[42] PROJECT ON RESEARCH OF NUCLEAR DD-SYNTHESIS WITH POLARISATION OF INITIAL PARTICLES AT LOW ENERGIES (POLFUSION)	ROZHDESTVENSKIJ, Anton
15:40	[65] Relative contributions of cross-even and cross-odd parts to the spin dependent elastic hadron scattering amplitudes at high energies	SELYUGIN, Oleg

### Parallel B: Session X - Blokhintsev auditorium, 4th floor (16:50 - 19:15)

time	[id] title	presenter
16:50	[100] Bessel functions to fermion quantization	SHINDIN, Roman
17:10	[58] General Covariant Dirac Equation	PESTOV, Ivanhoe
17:30	[76] Transverse momentum distributions of hadrons in the Tsallis-3 statistics	PARVAN, Alexandru
17:50	[16] Dual QCD thermodynamics at finite temperature and chemical potential	Dr PUNETHA, Garima
18:10	[101] Spin Radiative Corrections to the Radiation Probability and Power in Classical and Quantum Electrodynamics	LEBEDEV, S.L.
18:30	[63] Statistical potentials, AdS/CFT correspondence and (higher-)spin effects in heavy ion collisions	Dr MAKHALDIANI, Nugzar
18:50	[1] Determination of location of the spin quantization axis of the vector meson-resonance $V$ via the cross sections of the reactions $A+B \rightarrow V+X \rightarrow 1+2+X$	MACHAVARIANI, Alexander

# Friday, 8 September 2023

## **Parallel B: Session XXI (Spintronics satellite Workshop) - Blokhintsev auditorium, 4th floor (11:50 - 13:30)**

time	[id] title	presenter
11:50	[51] Proposal for realizing Majorana fermions in strongly correlated nanowires	KOCHETOV, Evgenii
12:30	[75] Flipping chiral edge states through nuclear spin S and spin modulating vector in topological insulators	Dr KESHARPU, Kaushal Kumar
13:00	[11] Frustrated magnetism and quantum computing	MAKSIMOV, Pavel

## **Parallel B: Session XXIII (Spintronics satellite Workshop) - Blokhintsev auditorium, 4th floor (15:00 - 16:50)**

time	[id] title	presenter
15:00	[25] Tunnel spin current in superferromagnets	KONDRATYEV, Vladimir
15:30	[68] Simulation of spin effects with ultracold gases in optical traps	MELEZHIK, Vladimir
16:00	[112] Lattice models of quantum magnetism with strong spin- orbit interaction: ab initio cluster calculations	YUSHANKHAI, Viktor