

## Session Program

15–20 Sept 2025



# XXVIth International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics"

*Polarization phenomena, spin physics*

VBLHEP JINR

## Tuesday 16 September

14:00

### Polarization phenomena, spin physics

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Troshin, Valery

#### 14:00–14:30 EXCLUSIVE $J/\Psi$ PRODUCTION AND GLUON GPDs EFFECTS

##### Speaker

Goloskokov, Sergey

#### 14:30–14:50 New developments in the ReneSANCe event generator

##### Speaker

Sadykov, Renat

#### 14:50–15:10 On the equation of state of rotating gluon plasma

##### Speaker

Eremeev, Egor

#### 15:10–15:40

#### Relativistic quantum-mechanical description of acceleration of charged vortex particles by a uniform electric field

##### Speaker

Silenko, Alexander

15:40

16:00

### Polarization phenomena, spin physics

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Goloskokov, Sergey

#### 16:00–16:20 Lattice study of total momentum and free energy of rotating gluon plasma

##### Speaker

Sychev, Dmitrii

#### 16:20–16:50 Neutrino spin oscillations in the vicinity of a black hole.

##### Speaker

Deka, Mridupawan

#### 16:50–17:10 Quantum field theory description of neutrino spin-flavor oscillations

##### Speaker

Dvornikov, Maxim

#### 17:10–17:30 Global polarization of lambda hyperon in the MPD experiment at NICA energies

##### Speaker

Flusova, Daria

#### 17:30–18:00 ESSENCE OF CHARGE AND SPIN WITH GENERAL COVARIANT DIRAC EQUATIONS

##### Speakers

Pestov, Ivanhoe, Pestov, Ivanhoe

18:00