Session Program

20-23 Oct 2020



The Conference "RFBR Grants for NICA"

Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA

VBLHEP, JINR, Dubna, RUSSIA, Conference hall

Tuesday 20 October

16:30	Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA Session Location: https://meet3.interprocom.ru/RFBR_NICA Convener: Oleg Teryaev
	16:30-16:55 Polarization of elementary particles in heavy ion collisions as a manifestation of anomalies in quantum field theory
	Speaker Valentin Zakharov
	16:55-17:20 Lattice study of the properties of QCD in extreme conditions: temperature and density, rotation, magnetic field. Speaker Victor Braguta
	17:20-17:45 Nonequilibrium properties of quark-gluon matter at energies of the NICA collider Speaker
	Igor Dremin 17:45-18:10
	Investigation of parity nonconservation processes in the scattering of longitudinally polarized protons by a deuteron
18:10	Speaker Nikolai Nikolaev

Wednesday 21 October

14:00 Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA Session | Location: https://meet3.interprocom.ru/RFBR_NICA | Convener: Oleg Teryaev 14:00-14:25 Study of the signals of hot and dense nuclear matter in heavy ion collisions at the energies of the NICA complex using micro- and macroscopic models Speaker Evgeny Zabrodin 14:25-14:50 Investigation of dense baryonic matter by lattice quantum chromodynamics methods Speaker Vitaly Bornyakov 14:50-15:15 Investigation of the properties of nuclear matter under conditions of extreme temperatures and densities attainable at the energies of the NICA accelerator complex Speaker Yuri Kalinovsky 15:15-15:40 Study of the phase diagram of dense quark-gluon plasma from the first principles of the theory, enhanced by machine learning methods Speaker Alexander Molochkov 15:40-16:05 Theoretical studies of the formation and properties of quark-gluon matter under conditions of high baryon densities attainable at the NICA experimental complex

Speaker

16:05

Irina Arefieva

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Friday 23 October

Session Locatio	on: https://meet3.interprocom.ru/RFBR_NICA Convener: Oleg Teryaev
14:20-14:40	
	d effects of acceleration and vorticity in QCD: polarization, geometry and statistics
Speaker	
George Prokhoro	vc
Location https://meet3.int	terprocom.ru/RFBR_NICA
14:40-15:00	Holographic studies of a heavy quark motion in rotating quark-gluon plasma
Speaker Anastasia Golub	tsova
Location	
https://meet3.inf	terprocom.ru/RFBR_NICA
15:00-15:20	Quantum fields in Keldysh-Schwinger diagram technique and semiclassical expansion
Speaker	
Anna Radovskay	a
Location	terprocom.ru/RFBR_NICA
https://meeto.in	
15:20-15:40	Spin polarization in relativistic heavy-ion collisions (at NICA)
Speaker Yuri B. Ivanov	
Location	
	terprocom.ru/RFBR_NICA
15:40-16:00	Coffee
16:00-16:20 Lattice study of	of the confinement/deconfinement phase transition in SU(3)-gluodynamics in rotating
frames	
Speaker	
Artem Roenko	
Location https://meet3.int	terprocom.ru/RFBR_NICA
16:20-16:40	
	n structure and kaon-to-pion ratios in the entanglement SU(3) PNJL model in Breit-Wi
and Beth-Uhle	enbeck approaches
Speaker	
Alexandra Friese	n and a second se

16:40-17:00 Fluctuation phenomena in the precritical region

https://meet3.ir	
	iterprocom.ru/RFBR_NICA
17:00-17:20	Holographic model for anisotropic QGP with external magnetic field
Speaker	
Kristina Rannu	
Location	
https://meet3.ir	iterprocom.ru/RFBR_NICA
17:20-17:40	
Holographic /	Anisotropic Model with Confinement-Deconfinement Phase Transition for Light and Heavy
Quarks	
-	
Quarks Speaker Pavel Slepov	
Speaker	
Speaker Pavel Slepov Location	iterprocom.ru/RFBR_NICA
Speaker Pavel Slepov Location	iterprocom.ru/RFBR_NICA

18:00

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