

The Conference "RFBR Grants for NICA"

Tuesday, 20 October 2020

Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA (16:30 - 18:10)

-Conveners: Oleg Teryaev

time	[id] title	presenter
16:30	[49] Polarization of elementary particles in heavy ion collisions as a manifestation of anomalies in quantum field theory	ZAKHAROV, Valentin
16:55	[46] Lattice study of the properties of QCD in extreme conditions: temperature and density, rotation, magnetic field.	BRAGUTA, Victor
17:20	[47] Nonequilibrium properties of quark-gluon matter at energies of the NICA collider	DREMIN, Igor
17:45	[52] Investigation of parity nonconservation processes in the scattering of longitudinally polarized protons by a deuteron	NIKOLAEV, Nikolai

Wednesday, 21 October 2020

Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA (14:00 - 16:05)

-Conveners: Oleg Teryaev

time	[id] title	presenter
14:00	[48] 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	ZABRODIN, Evgeny
14:25	[45] Investigation of dense baryonic matter by lattice quantum chromodynamics methods	BORNYAKOV, Vitaly
14:50	[50] Investigation of the properties of nuclear matter under conditions of extreme temperatures and densities attainable at the energies of the NICA accelerator complex	KALINOVSKY, Yuri
15:15	[51] Study of the phase diagram of dense quark-gluon plasma from the first principles of the theory, enhanced by machine learning methods	MOLOCHKOV, Alexander
15:40	[44] Theoretical studies of the formation and properties of quark-gluon matter under conditions of high baryon densities attainable at the NICA experimental complex	AREFIEVA, Irina

Friday, 23 October 2020

Theoretical studies of the dense baryonic matter produced in heavy-ion collisions at NICA: Parallel session V (14:20 - 18:00)

-Conveners: Oleg Teryaev

time	[id] title	presenter
14:20	[108] Quantum-field effects of acceleration and vorticity in QCD: polarization, geometry and statistics	PROKHOROV, George
14:40	[109] Holographic studies of a heavy quark motion in rotating quark-gluon plasma	GOLUBTSOVA, Anastasia
15:00	[110] Quantum fields in Keldysh-Schwinger diagram technique and semiclassical expansion	RADOVSKAYA, Anna
15:20	[111] Spin polarization in relativistic heavy-ion collisions (at NICA)	IVANOV, Yuri B.
15:40	Coffee	
16:00	[112] Lattice study of the confinement/deconfinement phase transition in SU(3)-gluodynamics in rotating frames	ROENKO, Artem
16:20	[118] Phase diagram structure and kaon-to-pion ratios in the entanglement SU(3) PNJL model in Breit-Wigner and Beth-Uhlenbeck approaches	FRIESEN, Alexandra
16:40	[114] Fluctuation phenomena in the precritical region	KERBIKOV, Boris
17:00	[115] Holographic model for anisotropic QGP with external magnetic field	RANNU, Kristina
17:20	[116] Holographic Anisotropic Model with Confinement-Deconfinement Phase Transition for Light and Heavy Quarks	SLEPOV, Pavel
17:40	[119] Stability of shock waves in anisotropic hydrodynamics	KOVALENKO, Aleksandr