

XXXII International (ONLINE) Workshop on High Energy Physics "Hot problems of Strong Interactions"

понедельник, 9 ноября 2020 г. - пятница, 13 ноября 2020 г.

Scientific Program

We are planning to arrange two sessions every day with four invited talks of 30 minutes duration. After each session one hour will be devoted to moderated open discussion.

Topics to be discussed:

QCD under extreme conditions, Phases of Quark/Baryon Matter

Strong-interacting matter at finite temperature
QCD phase structure at non-zero baryon density
Approaches to sign problem at non-zero baryon density
QCD phase diagram under strong external magnetic field
Phase diagram in the context of heavy-ion collisions
QCD phase diagram in astrophysics
Theoretical ideas and experimental searches of the critical point
Non-zero isospin density and meson condensation
QCD phase structure with chiral imbalance
Effects of rotation in QCD phase diagram
Anomalous transport phenomena and related issues: CME, CSC CVE, ...
Inhomogeneous phases in strongly interacting matter
Experimental results and future facilities

Physics of heavy quarks

New findings in heavy-quark spectroscopy
Heavy quarkonia
Doubly heavy baryons
Tetraquarks, pentaquarks
Heavy-quark production
Heavy flavours in QGP

QCD under extreme conditions, Phases of Quark/Baryon Matter

Physics of heavy quarks

Strong-interacting matter at finite temperature

QCD phase structure at non-zero baryon density

Approaches to sign problem at non-zero baryon density

QCD phase diagram under strong external magnetic field

Phase diagram in the context of heavy-ion collisions

QCD phase diagram in astrophysics

Theoretical ideas and experimental searches of the critical point

Non-zero isospin density and meson condensation

QCD phase structure with chiral imbalance

Effects of rotation in QCD phase diagram

Anomalous transport phenomena and related issues: CME, CSC CVE, ...

Inhomogeneous phases in strongly interacting matter

Experimental results and future facilities

