

Session Program

15–20 Sept 2025



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

Dynamics of multiparticle production

VBLHEP JINR

Friday 19 September

09:00

Dynamics of multiparticle production

Session | Location: VBLHEP, LHEP-215/Conference Hall - Конференц-зал корп. 215 | Convener: Baldin, Anton

09:00–09:30 Gluon dominance model and multiparticle production

Speaker

Prof. Kokoulina, Elena

09:30–09:50 DD-pair production in the Parton Reggeization Approach within SPS and DPS scenarios

Speaker

Alimov, Lev

09:50–10:10

Exact Solutions in Kinetic Theory of the Vacuum Particle Production in SF QED and Graphene

Speaker

Smolyansky, Stanislav

10:10–10:30 Particles production in ATROPOS string fragmentation model

Speaker

Nikolaenko, Roman

10:30

10:50

Dynamics of multiparticle production

Session | Location: VBLHEP, LHEP-215/Conference Hall - Конференц-зал корп. 215 | Convener: Prof. Кокоулина, Елена

10:50–11:10 Charmed particle production in nucleus-nucleus interactions in Geant4 FTF model

Speaker

Dr Galoyan, Aida

11:10–11:30

Bose–Einstein Correlations of Charged Pion and Kaon Pairs at RHIC Energies Using the UrQMD and SMASH+vHLL Models

Speaker

Korobitsin, Artem

11:30–12:00

Negative binomial distribution in multiparticle production and fractal dimension of black body

Speaker

Makhaldiani, Nugzar

12:00–12:30 K-mesons production and isospin-symmetry in $\sqrt{s_{NN}}$ and $\sqrt{s_{AA}}$ collisions

Speaker

Lykasov, Gennady

12:50

14:00

Dynamics of multiparticle production

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Мусульманбеков, Женис

14:00–14:30

The development of the ideas of A.M.Baldin on description of multiparticle production in relativistic nuclear collisions based on the properties of the Lobachevsky space

Speaker
Baldin, Anton

14:30–15:00 **Self-similarity method in relativistic nuclear physics**

Speaker
Baldina, Elina

15:00–15:30

Application of Differential Geometry Methods for Analyzing Experimental Data on Multiple Particle Production in Relativistic Nuclear Physics

Speaker
Ponomareva, Anastasia

15:40