

Session Program

15–20 Sept 2025



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

Cumulative and subthreshold processes

VBLHEP JINR

Thursday 18 September

09:00

Cumulative and subthreshold processes

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Larionov, Alexei

09:00–09:30 Cumulative processes and fractal structure of nuclei

Speaker

Tokarev, Mikhail

09:30–09:50

Manifestation of nuclear effects in fractal analysis of Monte Carlo AMPT events using SePaC method

Speaker

Dedovich, Tatiana

09:50–10:10

MC modelling of high transverse momentum particle production in pp and dd collisions at NICA energies

Speaker

Yurchenko, Semyon

10:10–10:40

Formation of protons in a new cumulative region of central rapidities and large transverse momenta due to coherent coalescence of quarks

Speaker

Vechernin, Vladimir

10:40

11:00

Cumulative and subthreshold processes

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Tokarev, Mikhail

11:00–11:20 A model of cumulative proton production in the process $p d \rightarrow p p n$

Speaker

Larionov, Alexei

11:20–11:50

Development of experimental research program for multi-quark systems at high p_T on Nuclotron

Speaker

Sharkov, Georgy

11:50–12:10

Time-of-flight and coordinate criteria for two neutrons identification with 3D neutron detector

Speaker

Stavinskiy, Alexey

12:10–12:30

Topological identification criteria two-neutron events in 3d neutron detector

Speaker

Sakulin, Dmitriy

13:00