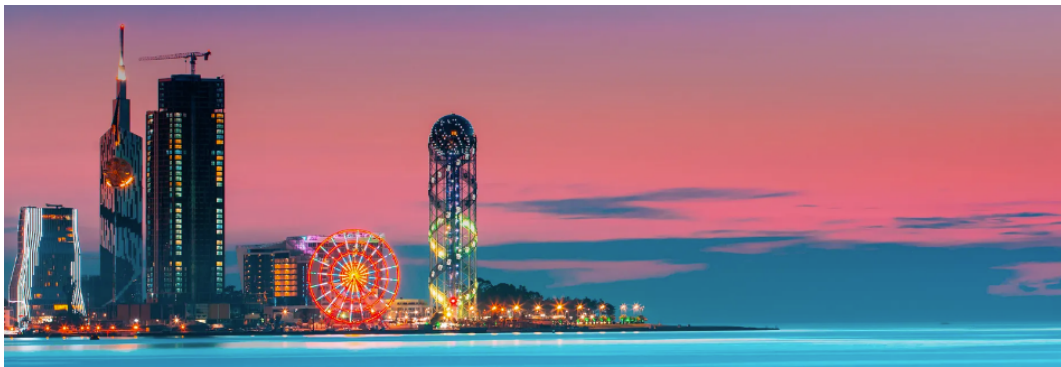


Session Program

15-19 Sept 2025



**New Trends in High-Energy Physics 2025
(Dedicated to the memory of Prof. László
Jenkovszky)**

***Hadron Structure, Proton Scattering,
Holographic QCD***

Monday 15 September

17:20

Hadron Structure, Proton Scattering, Holographic QCD: I. Chair: Paata J. Kervalishvili, Co-chair: Mariia Tsarenkova

Session

17:20–17:55

Memory burdened black holes as dark matter

Speaker

Gia Dvali

17:55–18:30

New Light Particles at Troitsk Meson Factory (TiMoFey)

Speaker

Prof. Dmitry Gorbunov

18:30–18:55

A study of particle spectra in high-energy collisions using nonadditive statistical mechanics

Speaker

Dr Trambak Bhattacharyya

18:55–19:20

PHENIX Overview

Speaker

Balazs Ujvari

19:20

Thursday 18 September

10:00

Hadron Structure, Proton Scattering, Holographic QCD: II: Chair: Andrei Poblaguev, Co-chair: Istvan Szanyi Session

10:00–10:35 **New Understanding of the Phase Diagram of QCD**

Speaker

Larry McLerran

10:35–11:10 **Collectivity in small systems measured by charm and bottom hadrons**

Speaker

Joerg Aichelin

11:10–11:45

Probing the properties of strongly interacting matter with heavy-ion collisions

Speaker

Elena Bratkovskaya

11:45–12:10

Signatures of Clustering in Multiplicity Fluctuations in Heavy-Ion Collisions

Speaker

Ali Soheilbeigi Bazgir

12:10

12:40

Hadron Structure, Proton Scattering, Holographic QCD: III: Chair: Joerg Aichelin, Co-chair: Trambak Bhattacharyya Session

12:40–13:15 **Leptons as Possible Qubits for Quantum Computing**

Speaker

Paata J. Kervalishvili

13:15–13:40 **Structures in elastic and single diffractive scattering of protons**

Speaker

Istvan Szanyi

13:40–14:05

Measurement of the Proton-Nucleus Transverse Analyzing Power with the RHIC Polarized Hydrogen Gas Jet Target

Speaker

Andrei Poblaguev

14:05