

## Session Program

15–20 Sept 2025



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

## ***Nuclear astrophysics***

VBLHEP JINR

Friday 19 September

10:50

Nuclear astrophysics

Session | Location: VBLHEP, LHEP-215/347 - комната семинаров | Convener: Dr Parvan, Alexandru

10:50–11:20

Threshold amplification of  $X(a,b)Y$  reactions: from muon-catalyzed fusion to electromagnetic formfactors of hyperons

Speaker  
Melezhik, Vladimir

11:20–11:50

Strangelet Searches from Neutron Stars and Binary Mergers with Current and Future Observatories

Speaker  
Dr Das, Chitta Ranjan

11:50–12:10

Magnetorotational supernova neutrino spectra vs mass ordering

Speaker  
Kondratyev, Vladimir

12:10–12:30

Neutron Stars with  $\Lambda$ - and  $\Xi$ -Hyperons with Skyrme Potentials: Correlations and a Parametrization for the Maximum Mass

Speaker  
Nasakin, Artur

12:50