

Session Program

5-6 Jun 2026



34th Annual Symposium of the Hellenic Nuclear Physics Society, HNPS2026

Nuclear Astrophysics, Dense Matter and Compact Stars

Lamia, University of Thessaly, Physics Department, Library Amphitheatre
3rd km Old National Road Lamia-Athens 35100, Lamia Greece

Friday 5 June

15:30

Nuclear Astrophysics, Dense Matter and Compact Stars

Session | Convener: A. Martinou

15:30–15:45

Multi-Strangeness non-linear potentials & the hyperon-puzzle in neutron stars

Speaker

Theodoros Gaitanos

15:45–16:00

Estimating neutron-capture rate uncertainties for iron isotopes using shell-model-based level densities in TALYS

Speaker

Sofia Karampagia

16:00–16:15

Nuclear Imprints on Neutron-Star Properties: A Universal-Relation Perspective

Speaker

Dr Polychronis Koliogiannis

16:15–16:30

Neutron star dissipative tidal deformation originated by the bulk viscosity of npe matter

Speaker

Alkiviadis Kanakis-Pegios

16:30–16:45

Thermal effects on hadron-quark phase transition and the structure of proto-compact stars

Speaker

Pavlos Laskos-Patkos

16:45–17:00

Dark Neutron decay in Neutron Stars

Speaker

Dr Michail Vikiaris

17:00–17:15

Modeling the transition from Hadron Gas to deconfined Quark Matter via the Albright-Kapusta-Young switch function.

Speaker

Mr Giorgos Tsalis

17:15