

Session Program

5-6 Jun 2026



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

Poster session

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

Friday 5 June

14:45

Poster session

Session

14:55–14:56

Application of Gaussian Process Regression for Total Kinetic Energy in Neutron-Induced Fission

Speaker

Martha Papadopoulou

14:56–14:57

Predicting Fragment Kinetic Energy Distributions in Nuclear Fission using a Bayesian Mixture Density Network

Speaker

Christos Bompotas

14:57–14:58

Evaluating Neutron-Induced Fission Yields using Gaussian Process Regression

Speaker

Konstantinos Stergiou

14:58–14:59

Reconstructing Compact Objects Equation of State (EoS) via Machine and Deep Learning

Speaker

Ioannis Stergakis

14:59–15:00

Machine Learning and Neural Network Approaches for the Classification of Compact Stars

Speaker

Despoina Neraki

15:00–15:01

On the Nature of the Central Compact Object in HESS J1731-347 within Hadronic and Kaon-Condensed Frameworks

Speaker

Dimitrios Nanopoulos

15:01–15:02

Simulation studies of a MPGD-based Neutron Beam Monitoring system for ESS

Speaker

Alexandros Gardikiotis

15:02–15:03

Investigation of α -Cluster Transfer in Peripheral Collisions of ^{40}Ca at 12.3 MeV/nucleon

Speaker

Chrysi Giannitsa

15:03–15:04

Multinucleon Transfer and Incomplete Fusion at 15 MeV/nucleon for the $^{86}\text{Kr} + ^{27}\text{Al}$ System**Speaker**

Konstantinos Gkatzogias

15:05–15:06

Astrophysical S-factors for alpha reactions with $^{130,132,134}\text{Ba}$ **Speaker**

George Paparigas

15:06–15:07

Gamma-ray spectroscopy of ^{184}Os studied via the $^{176}\text{Yb}(^{12}\text{C},4n)^{184}\text{Os}$ fusion-evaporation reaction***Speaker**

Vasilis Gkionis

15:07–15:08

Assessment of ^{161}Tb Production from Natural Gadolinium Using Laser-Generated Fast Neutrons at ELI-ALPS**Speaker**

Nikoletta Giannakou

15:09–15:10

Evaluation of different materials as potential trigger foils for MCP detectors**Speaker**

Anastasia Ziagkova

15:10–15:11

Quantifying C profiles in heavy ion irradiated $\text{Fe}(50\text{nm})/\text{SiO}_2(300\text{nm})/\text{Si}$ stacks by ion beam analysis techniques**Speaker**

Eleni Mitsi

15:11–15:12

Monte Carlo Characterization of a Neutron Irradiation System for Radiobiological Experiments**Speaker**

Apospori Eirini

15:12–15:13

Development of a Methodology for Gamma-Spectrometric Analysis of Neutron Irradiated Metallic Samples**Speaker**

Vasileia Saridaki

15:13–15:14

Comparative Analysis of Turbine Leading and Reactor Leading Operating Modes in an iPWR Simulator under Load-Following Conditions**Speaker**

Ioannis Kaissas

15:14–15:15

Neutron Flux at the Boundaries of Rectangular Subcritical Piles with a Point Am-Be Neutron Source at their Mass Centers for Various Moderation Scenarios

Speaker

N.P. Petropoulos

15:30