

Session Program

5-6 Jun 2026



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

Neutron Physics, Facilities and Cross-Section Measurements

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

Saturday 6 June

12:15

Neutron Physics, Facilities and Cross-Section Measurements

Session | Convener: M. Diakaki

12:15-12:30

Measuring detector efficiency in γ spectroscopy: comparison of Monte Carlo simulations with experimental measurements

Speaker

Dr Anastasios Kanellakopoulos

12:30-12:45

Neutron induced cross-sections on Zr isotopes in the energy range 16-18 MeV

Speaker

Veatriki Michalopoulou

12:45-13:00

Determination of $^{14}\text{N}(n,p)^{14}\text{C}$ MACS using activation measurements and AMS

Speaker

Ioanna Goula

13:00-13:15

Development of a high-resolution neutron transmission station at the GELINA facility

Speaker

Georgios Gkatis

13:15-13:30

Upgrade of the ELISA setup at the GELINA facility for neutron scattering experiments from 500 keV to 8 MeV

Speaker

Ms Anna Karakaxi

13:30-13:45

Study of a New Liquid Scintillator Array for Neutron Scattering Cross Section Measurements at NCSR "Demokritos"

Speaker

Lamprianos Amanatidis

13:45-14:00

Neutron Flux Measurement with a Diamond Detector System in Harsh Environmental Conditions

Speaker

Kalliopi Kaperoni

14:00-14:15

Activation cross section measurements of short-lived reaction products on Mo isotopes induced by 16 to 20 MeV neutrons

Speaker

Zoi Bari

14:15-14:30

The $^{243}\text{Am}(n,f)$ cross-section measurement at the EAR2 of the CERN n_TOF facility

Speaker

Nikolaos Kyritsis

14:30