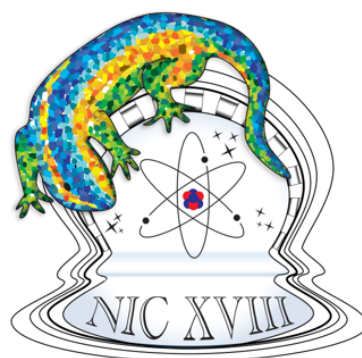


Session Program

15–20 Jun 2025



International Symposium on Nuclei in the Cosmos XVIII (NIC XVIII)

New Facilities and Techniques

Girona

Palau de Congressos de Girona Pg. de la Devesa, 35 17001 Girona

Thursday 19 June

15:15

New Facilities and Techniques

Session | Location: Girona, Palau de Congressos de Girona Pg. de la Devesa, 35 17001 Girona

15:15–15:45 Nuclear Astrophysics at the Bellotti Facility, Laboratori Nazionali del Gran Sasso

Speaker

Matthias Junker

15:45–16:15 Nuclear Astrophysics at JUNA

Speaker

Weiping Liu

16:15

17:00

New Facilities and Techniques

Session | Location: Girona, Palau de Congressos de Girona Pg. de la Devesa, 35 17001 Girona

17:00–17:15 Nuclear astrophysics activities at CENS

Speaker

Kevin Hahn

17:15–17:30 Direct measurement of neutron capture on radioactive isotopes at CERN n_TOF

Speaker

Cesar Domingo Pardo

17:30–18:00 Nuclear Astrophysics at FRIB

Speaker

Chris Wrede

18:00–18:15

Investigating explosive nucleosynthesis through measurements of (α ,n) and (p,n) reactions using SECAR

Speaker

Pelagia Tsintari

18:15–18:30 Nuclear Astrophysics with Stored Highly Charged Radioactive Ions

Speaker

Yury Litvinov

18:30

Friday 20 June

09:00

New Facilities and Techniques

Session | Location: Girona, Palau de Congressos de Girona Pg. de la Devesa, 35 17001 Girona

09:00–09:15

Measuring decays of excited states in ^{26}Si to improve reaction rate calculations of ^{22}Mg (α, p) ^{25}Al relevant to type I X-ray bursts

Speaker

Dr J.W. Brummer

09:15–09:30

The E1 and E2 capture amplitudes in $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ around the 2.42 MeV resonance.

Speaker

K. Chakraborty

09:30–09:45

Neutron-Induced Reactions in a High-Density Inertial Confinement Plasma and Their Nuclear Astrophysics Nexus

Speaker

Michael Paul

09:45