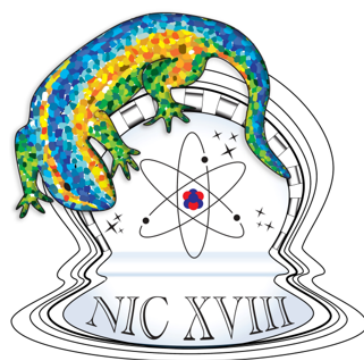


Session Program

15–20 Jun 2025



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

Stellar Evolution II – Supernovae, Kilonovae, Mergers, R- and P-Process

Girona

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

Wednesday 18 June

09:45

Stellar Evolution II – Supernovae, Kilonovae, Mergers, R- and P-Process

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

09:45–10:15 **Nucleosynthesis in core-collapse supernovae**

Speaker

Almudena Arcones

10:15–10:45 **Neutron Star Mergers and Kilonovae: r-Process and Gravitational Waves**

Speaker

Mr Andreas Bauswein

10:45

Thursday 19 June

08:30

Stellar Evolution II – Supernovae, Kilonovae, Mergers, R- and P-Process

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

08:30–08:45 **Trans-Fe elements from Type Ia Supernovae**

Speaker

Umberto Battino

08:45–09:00 **Probing Pair-Instability Supernovae via ^{56}Ni Decay Signatures**

Speaker

RYO SAWADA

09:00–09:15 **3D Simulations of White Dwarf-Main Sequence Star Collisions**

Speaker

Christian J. T. van der Merwe

09:15–09:30

Neutrino-Mass Hierarchy and The Roles of Radioactive Nuclear Reactions in Explosive Nucleosynthesis of Supernovae, Collapsars and Mergers

Speaker

Toshitaka Kajino

09:30