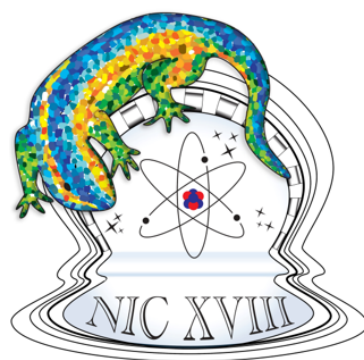


Session Program

15–20 Jun 2025



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

Nuclear Reactions – Experiments

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

Monday 16 June

15:00

Nuclear Reactions – Experiments

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

15:00–15:30 The Beta-Oslo Method and Neutron-Capture Reactions

Speaker

Prof. Ann-Cecilie Larsen

15:30–15:45

Determining neutron-induced reaction cross sections with surrogate reactions in inverse kinematics at heavy-ion storage rings

Speaker

Camille Berthelot

15:45–16:15 FLASH Session II

16:15

17:00

Nuclear Reactions – Experiments

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

17:00–17:30 Role of Exotic Nuclei Away from Stability

Speaker

Dr Shunji Nishimura

17:30–17:45

Experimental investigation on the γ -emission probability of the unbound states in ^{131}Sn through $^{130}\text{Sn}(d,p)^{131}\text{Sn}$ reaction measurement for understanding r-process

Speaker

Thomas Chillery

17:45–18:00

The results of the ^{204}Tl and ^{205}Tl neutron capture cross section measurement at n_TOF (CERN) and their impact to the s-process-only ^{204}Pb and ^{205}Pb production

Speaker

Adrià Casanovas

18:00–18:30

Underground Measurements of $^{14}\text{N}(p,\gamma)^{15}\text{O}$ and Other Key Reactions for Nuclear Astrophysics

Speaker

Gy. Gyürky

18:30–18:45 Underground Measurements of the $^{16}\text{O}(p,\gamma)^{17}\text{F}$ Reaction at LUNA

Speaker

Duncan Robb

18:45–19:15 FLASH Session III

19:15

Tuesday 17 June

08:30

Nuclear Reactions – Experiments

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

08:30–08:45

Direct measurement of the carbon-carbon fusion cross section at stellar energies

Speaker

Yunzhen Li

08:45–09:00

Investigation of ^{31}P levels near the proton threshold by Nuclear Resonance Fluorescence and the impact on the $^{30}\text{Si}(p,\gamma)^{31}\text{P}$ thermonuclear rate

Speaker

David Gribble

09:00