

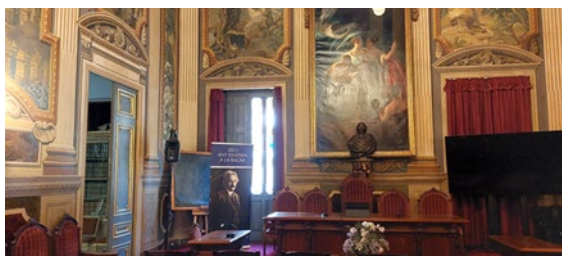
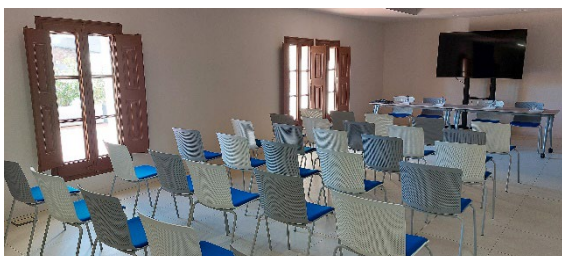
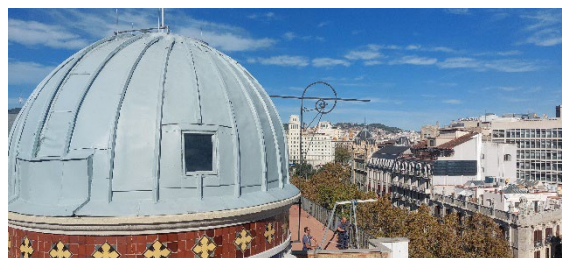
School on
NUCLEI IN THE COSMOS (NIC School)
Royal Academy of Sciences and Arts, Barcelona
(Catalonia/Spain), June 10 – 13, 2025

FIRST CIRCULAR

NIC SCHOOL

NIC XVIII, the *International Symposium on Nuclei in the Cosmos*, will be preceded by the traditional **NIC School**, which will be held on **June 10 – 13, 2025** (the week before the Symposium) at the **Royal Academy of Sciences and Arts of Barcelona (RACAB)**:

Reial Acadèmia de Ciències i Arts de Barcelona
La Rambla, 115 08001 Barcelona (Catalonia, Spain)
<https://www.racab.cat/?lang=en>



The NIC School is especially aimed at PhD students and early-career researchers. It will cover a rich variety of topics in Nuclear Astrophysics, providing basic background for those planning to attend the NIC Symposium (<https://indico.icc.ub.edu/event/341/>). However, participation in the symposium is not a prerequisite for attending the NIC School.

The NIC School tentative program and list of speakers include:

Stellar Evolution – Alessandro Chieffi (INAF, Italy)
High-Energy Astrophysics – Roland Diehl (MPE Garching, Germany)
Detectors, Beams & Targets – Fairouz Hammache (IJCLab Orsay, France)
Spectroscopy & Stellar Abundances – Andreas Korn (Uppsala U, Sweden)
Experimental Nuclear Physics – Richard Longland (NC State U, USA)
Nuclear Theory – Xavier Roca-Maza (ICCUB Barcelona, Spain)
Cosmochemistry – Sheri Singerling (Goethe U Frankfurt, Germany)
Stellar Explosions – TBD

Career Paths (Round Table) – Barbara de Marco (UPC Barcelona, Spain) +TBD

Tuesday, June 10	Wednesday, June 11	Thursday, June 12	Friday, June 13
9:30 – 9:45 OPENING			
9:45 – 10:45 STELLAR EVOLUTION I	9:30 – 10:30 STELLAR EVOLUTION II	9:30 – 10:30 STELLAR EVOLUTION III	
Coffee Break	Coffee Break	Coffee Break	
11:15 – 12:15 EXPERIMENTAL NUCLEAR PHYSICS I	11:00 – 12:00 EXPERIMENTAL NUCLEAR PHYSICS II	11:00 – 12:00 EXPERIMENTAL NUCLEAR PHYSICS III	11:00 – 12:00 HIGH-ENERGY ASTROPHYSICS I
12:15 – 13:15 NUCLEAR THEORY I	12:00 – 13:00 COSMOCHEMISTRY I	12:00 – 13:00 COSMOCHEMISTRY II	12:00 – 13:00 COSMOCHEMISTRY III
Lunch	Lunch	Lunch	Lunch
15:00 – 16:00 STELLAR EXPLOSIONS I	15:00 – 16:00 NUCLEAR THEORY II	15:00 – 16:00 DETECTORS & BEAMS I	15:00 – 16:00 DETECTORS & BEAMS II
16:00 – 17:00 STELLAR EXPLOSIONS II	16:00 – 17:00 SPECTROSCOPY & ABUNDANCES I	16:00 – 17:00 SPECTROSCOPY & ABUNDANCES II	16:00 – 17:00 HIGH-ENERGY ASTROPHYSICS II
17:00 – 18:00 ROUND TABLE – CAREER PATHS		21:00 – 3:00 OBSERVATIONS WITH NOT TELESCOPE	

Several hands-on activities are being planned during the NIC School, including a night observation with the Nordic Optical Telescope, NOT (<https://www.not.iac.es/>).

Registration for the NIC School must be completed online and is limited to **50 participants**:

<https://indico.icc.ub.edu/event/560/registrations/144/>

The regular **registration fee** is **250 €**, payable before **March 31**, which covers local expenses (including coffee breaks, lunches, and a School dinner). A limited number of participants who are also registered for the NIC Symposium may be eligible for **free registration**. Requests for **free registration** must be submitted no later than **February 28**. The availability of grants will depend on the level of funding secured from various

organizations, which is yet to be determined. Information on **accommodation** for the NIC School will be posted soon in the School webpage and will be distributed in a specific Circular.

Local Organizing Committee

Francisco Calviño (UPC)
Yuri Cavecchi (UPC)
Margarita Hernanz (ICE-CSIC, IEEC)
Jordi Isern (RACAB, ICE-CSIC, IEEC)
Jordi José (Chair), UPC, IEEC)
Jordi Llorca (UPC)
Kelsey Lund (INT/Berkeley)
Marina Martínez (GUF)
Arnau Rios (UB, ICCUB)
Glòria Sala (UPC, IEEC)
Aldo Serenelli (ICE-CSIC, IEEC)
Laura Tolós (Vice-chair), ICE-CSIC, IEEC)
Josep M. Trigo-Rodríguez (ICE-CSIC, IEEC)
Anna Bertolín (IEEC)
Pilar Montes (IEEC)

IMPORTANT DATES

NIC School

Registration deadlines: Free registration requests, February 28
 Regular registration, March 31

CANCELLATION POLICY

All cancellation requests must be received before **MAY 25, 2025**

WEBPAGE AND CONTACT

More information is available on the School webpage:

<https://indico.icc.ub.edu/event/560/>

Inquiries related to the **NIC School** should be sent to the email address:
nic_school@ieec.cat

We look forward to welcoming you all at the NIC School!

Sincerely yours,

Jordi José, Chair

Laura Tolós, Vice-Chair

On behalf of the *Local Organizing Committee* of the NIC School



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

IEEC^R
Institut d'Estudis
Espacials de Catalunya



Generalitat
de Catalunya



Institut de Ciències del Cosmos
UNIVERSITAT DE BARCELONA

EXCELENCIA
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2020-2024



REIAL ACADÈMIA
DE CIÈNCIES I ARTS
DE BARCELONA

Institute of
Space Sciences

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DE MAEZTU



CSIC



Network for Neutrinos,
Nuclear Astrophysics,
and Symmetries



PHYSICS FRONTIER CENTER