



2026 NUCLEAR PHYSICS IN ASTROPHYSICS - XII School

Cluj-Napoca, Romania,
August 31st - September 4th, 2026

Dear Colleagues,

We would like to announce that the Nuclear Physics in Astrophysics XII School will take place at the Babeş – Bolyai University in Cluj-Napoca, Romania from August 31st to September 4th, 2026.

The school is connected to the International Conference on Nuclear Physics in Astrophysics XII and aims at introducing important concepts related to nuclear astrophysics, including experimental and theoretical nuclear physics, astrophysics and astronomical observations. The program is structured around a balance of contribution of lectures courses and hands-on laboratory sessions. The school is targeted at PhD students and postdoc researchers (up to 2 years after PhD) working in the field of Nuclear Astrophysics and related topics.

The program includes the following lecture courses:

Title	Lecturer	Affiliation
1. Nuclear Physics Experiments	Luca Guardo	INFN - LNS, Italy
2. Nuclear Physics Theory	Richard James de Boer	University of Notre Dame, USA
3. Observational Astrophysics	Camilla J Hansen	Goethe University, Germany
4. Theoretical Astrophysics	Stefania Salvadori - TBC	University of Florence, Italy

And hands-on sessions covering the following aspects:

Title	Lecturer	Affiliation
1. Nuclear database	Vivian Dimitriou	N.C.S.R. "DEMOKRITOS", Greece
2. R-Matrix calculations	Richard James de Boer	University of Notre Dame, USA
	Jakub Skowronski	Università degli Studi di Padova, Italy
3. Satellite tracking	Vlad Turcu	Romanian Academy, Romania
4. Nuclear Astrophysics Masterclasses	Steffen Turkat	TU Dresden, Germany

During the hands-on sessions, every participant will be provided with their own workspace allowing them to work on the discussed concepts with complete guidance from the lecturers and the tutors. Within the school program, a poster session will be organized where the students will have the opportunity to discuss their work with the lecturers, tutors and fellow participants.

Please note that only 30 positions are available. Selection will be based on the applicant's CV, the stated field of interest in the motivation letters and the letters of recommendation from the scientific advisor (or equivalent), which must be uploaded during the registration process. Applicants will be notified of their acceptance in the second half of May, 2026. Students and young researchers are encouraged to apply by April 30th, 2026.

Registration fees : 250 EUR

Early Bird fees (only students) : 200 EUR

Please note that the School Banquet Dinner (50 EUR) is not included in the registration fee and is to be paid separately by all participants.

For application and more information please visit the school website:
<https://indico.eli-np.ro/event/280>