



**Carpathian Summer School of Physics 2025**  
*Exotic Nuclei and Nuclear/Particle Astrophysics (X).*  
*Physics with small accelerators*  
*June 22 - July 3, 2025, Sinaia, Romania*



## **First circular**

### **General information**

This is the first circular to announce the **Carpathian Summer School of Physics 2025**, that is scheduled to take place again in Sinaia, from June 22<sup>nd</sup> (arrival and registration) and July 3<sup>rd</sup> (departure), 2025. This will be the 31<sup>st</sup> edition of a tradition that begun in 1964.

*It will have a wide distribution, including being posted on several professional sites that advertise scientific events.*

The title is, as above:

**“Exotic Nuclei and Nuclear/Particle Astrophysics (X). Physics with small accelerators”**

and is the 10<sup>th</sup> in the latest series with the same title organized first in Mamaia (2005) and later in Sinaia (2007, 2010, 2012, 2014, 2016, 2018, 2021 and 2023). CSSP25 is part of the ENNAS (European Network of Nuclear Astrophysics Schools), a network recognized by the Division of Nuclear Physics of EPS and supported by the European projects ChETEC-INFRA and EURO-LABS.

The same format from recent events will be maintained: a combination of school-like and conference presentations, with 1-2 hour-long invited lectures by senior scientists/professors and several 20 minutes short student communications. It is aimed at graduate students, post-docs and young or established researchers. Students from all countries are invited to attend. **A limited number of stipends to cover the local expenses for students will be available.**

More information about the event will be at the web link, <http://cssp25.nipne.ro>, as well as our email addresses.

### **Organizers:**

***“Horia Hulubei” National Institute for Physics and Nuclear Engineering (IFIN-HH)***  
***Bucharest***

### **Organizing Committee:**

*Livius Trache, Dan Cozma: chairs*

*Alexandra Spiridon - scientific secretary*

*Dana State, Ionut Stefanescu, Mihai Straticiuc, Razvan Lica, Stefana Calinescu, Ion Burducea, Gihan Velisa, Alexandru Dumitrescu*

Topics include, but are not restricted to:

- *Exotic nuclei/Nuclear physics with RIBs*
- *Nuclear physics for astrophysics*
- *Stellar evolution. Compact stars and supernovae*
- *Astroparticle physics*
- *Multi-messenger astrophysics*
- *Nuclear physics with lasers*
- *Nuclear astrophysics with small accelerators*
- *Instrumentation*
- *Accelerators for medical treatments, radioisotope production and industrial applications*
- *Cosmochemistry*

International Advisory Committee:

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### Venue, attractions

The conference will be held in **Sinaia**, a year-round mountain resort in the heart of the Carpathians, about 130 km north of Bucharest, about 1.5 hours' drive from the main international airport of Bucharest (OTP). The venue can be reached easily by public transportation (**more details on our school's web sites**).

### Accommodation

The venue of the school will be Hotel International\*\*\*\* (<http://www.international-sinaia.ro>), which is a four-star complex with a Conference Center, where the participants *will be accommodated in single and double rooms and in luxury suites (at request)*.

*Prices and further details will be communicated in the next circulars.*

### Registration

Online registration will be opened in January through <http://cssp25.nipne.ro>.

The deadlines for registration are:

- *for participants from countries that need visa for Romania (see <http://www.mae.ro>): April 15<sup>th</sup>, 2025;*
- *for participants from countries that do not need visa: June 6<sup>th</sup>, 2025.*

### Stipends.

As a rule, the participants should be supported by their home institution. However, a limited number of fellowships will be available for students (consisting of full or partial local support, but no transportation). The applicants should provide a short (one page) CV and a letter of recommendation from a professor or senior scientist who supports their application. Applications for fellowships can be made online with letters of support e-mailed to either of the directors. The deadline is **April 1<sup>st</sup>, 2025**.

**Abstracts/papers.** The abstracts submitted will be made available on the school's web site. For that, participants who will give lectures and oral contributions are being asked to send the abstracts of their papers (less than 300 words) via email to [cssp25@nipne.ro](mailto:cssp25@nipne.ro), **before June 6<sup>th</sup>, 2025**.

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