



Carpathian Summer School of Physics 2023

Exotic Nuclei and Nuclear/Particle Astrophysics (IX).

Physics with small accelerators

July 2-15, 2023, Sinaia, Romania

First circular

General information

The **Carpathian Summer School of Physics 2023**, the 30th edition of this school, is scheduled to take place again in Sinaia, July 2-15, 2023. Given the improved conditions from the pandemic of recent years and the need to re-create the opportunities for in-person communication for all in our field, we will once again have this **Carpathian school in-person**.

This is the school's first circular, which contains basic information. It will have a wide distribution, including being posted on several professional sites that advertise scientific events.

The title and topics are being retained from recent past schools: "**Exotic Nuclei and Nuclear/Particle Astrophysics. Physics with small accelerators**". It is part of the ENNAS (European Network of Nuclear Astrophysics Schools), is supported by the European Horizon 2020 project ChETEC-INFRA, and is recognized by the Division of Nuclear Physics of EPS.

The same format from recent schools will be maintained: a combination of school-like and conference presentations, with 1-2 hour-long invited lectures by senior scientists/professors and 20 minute short student communications. The school 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 school will be at the web links: <http://www.nipne.ro/cssp23> and <https://indico.nipne.ro/> as well as our email addresses.

Organizers:

*"Horia Hulubei" National Institute for Physics and Nuclear Engineering (IFIN-HH) Bucharest
Cyclotron Institute, Texas A&M University, College Station, TX, USA*

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*

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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).

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 will be announced later.*

Registration

Online registration will open on the above indico site.

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 for 2 weeks, 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 May 14th, 2023.**

Abstracts/papers. The proceedings of the conference will be published with an internationally recognized Publisher (TBD). A booklet of abstracts will be made available at the beginning of the school. For that, participants who will give lectures and oral contributions will be asked to send the abstracts of their papers (less than 300 words) via email to cssp23@nipne.ro, **before June 7th, 2023.**

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Up-to-date information will be on our website: <http://cssp23.nipne.ro> or <http://www.nipne.ro/cssp23>

Organized by:



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