



## **Carpathian Summer School of Physics 2023**

*Exotic Nuclei and Nuclear/Particle Astrophysics (IX).*

*Physics with small accelerators*

*July 2-15, 2023, Sinaia, Romania*

### **Second and Final circular**

#### **General information**

The **Carpathian Summer School of Physics 2023**, the 30<sup>th</sup> edition of this school, is scheduled to take place again in Sinaia, July 2-15, 2023. We re-create the opportunities for in-person communication for all in our field, we will once again have this **Carpathian school strictly in-person**.

*This is second and final circular, which contains the school's necessary information. It will have a wide distribution, including being posted on several professional sites that advertise scientific events.* We do not repeat here some of the information contained in the first circular. More information about the school will be at the web links: <http://cssp23.nipne.ro> or <https://indico.nipne.ro/event/230/>, as well as our email addresses.

The title and topics are being retained from recent past schools: "**Exotic Nuclei and Nuclear/Particle Astrophysics. Physics with small accelerators**". CSSP23 is part of the ENNAS (European Network of Nuclear Astrophysics Schools), is supported by the European Horizon 2020 projects ChETEC-INFRA, EURO-LABS 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 minutes 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. **The deadline for stipends applications has passed, we are no longer accepting new applications.**

#### **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*

### Organizing Committee:

*Livius Trache, Robert E. Tribble: chairs*

*Alexandra Spiridon - scientific secretary*

*Dan Filipescu, Alexandru Negret, Dana State, Ionut Stefanescu, Mihai Straticiu, Constantin Mihai, Razvan Lica, Stefana Calinescu*

*Staff : Andreea Suvaila, Denisa Cranganu, Sanda Olteanu, Laurentiu Serban*

### The list of confirmed lectures, currently, includes:

<b>David Alesini (INFN-LNF)</b>	<b>Karlheinz Langanke (TU Darmstadt)</b>
<b>Daniel Bemmerer (HZDR)</b>	<b>Razvan Lica (IFIN-HH)</b>
<b>Carlos Bertulani (TAMU-Commerce)</b>	<b>Adam Maj (IFJ PAN, Krakow)</b>
<b>Mikhail Beznogov (IFIN-HH)</b>	<b>Brad Meyer (Clemson University)</b>
<b>Aldo Bonasera (TAMU, College Station)</b>	<b>Constantin Mihai (IFIN-HH)</b>
<b>Catalin Borcea (IFIN-HH)</b>	<b>Takashi Nakamura (IT Tokyo)</b>
<b>Maria Borge (IEM-CSIC, Madrid)</b>	<b>Florin Negoita (IFIN-HH)</b>
<b>Stefana Calinescu (IFIN-HH)</b>	<b>Alexandru Negret (IFIN-HH)</b>
<b>Roland Diehl (MPE, Garching)</b>	<b>Stefanos Paschalis (Univ. of York)</b>
<b>Stéphane Goriely (UL Brussels)</b>	<b>Mihai Petrovici (IFIN-HH)</b>
<b>Kevin Hahn (IBS, Korea)</b>	<b>Alexandrina Petrovici (IFIN-HH)</b>
<b>Muhsin Harakeh (Univ. Groningen)</b>	<b>Zsolt Podolyak (Univ Surrey)</b>
<b>Ákos Horváth (E.L. Univ. Budapest)</b>	<b>Adriana Raduta (IFIN-HH)</b>
<b>Gina Isar (ISS, Bucharest)</b>	<b>Guenter Sigl (Univ Hamburg)</b>
<b>Timothy Jull (Univ. Arizona)</b>	<b>Olivier Sorlin (GANIL)</b>
<b>Toshitaka Kajino (Beihang University)</b>	<b>Mihai Straticiu (IFIN-HH)</b>
<b>NAOJ / University of Tokyo</b>	<b>Xiaodong Tang (IMP Lanzhou)</b>
<b>Karl-Heinz Kampert (Univ. Wuppertal)</b>	<b>Olof Tengblad (IEM-CSIC)</b>
<b>Karl-Ludwig Kratz (Univ Mainz)</b>	<b>Gihan Velisa (IFIN-HH)</b>
<b>Marco La Cognata (INFN-LNS, Catania)</b>	

### 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 by public transportation (**more details on our school's web sites**) or it can be provided, at request, by the organizers for a fee of *25 euro per trip/person*.

### 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) at the following prices:*

*Double room in single occupancy: 99 euro/day*

*Double room in double occupancy: 55 euro/person/day*

*Junior suite: 169 euro/day*

*These prices are offered **only** if the participants are registered **via the organizers**.*

***Breakfast is included in the room's price.***

*Lunches will be served at the same hotel and are included in the conference fee (see below). Dinners can be pre-arranged at the same hotel at about 17 euro each, can be ordered “a la carte”, or the participants can choose to manage by themselves these meals at other restaurants that are available around, in walking distance.*

### Conference costs

The **conference fee is 500 euros**, which represents **the cost of lunches and coffee breaks**, for those staying the whole period and will be scaled for those with partial stay (42 euro/day). It should be paid at the arrival and registration. For those supported by CSSP23 these will be included in the support package.

*The accommodation costs must be paid at the hotel and can be done at any time during your stay.*

### Registration

**Online registration** is still open through <http://cssp23.nipne.ro> or <https://indico.nipne.ro/event/230/> and will close on June 16<sup>th</sup>.

**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 [cssp23@nipne.ro](mailto:cssp23@nipne.ro), **before June 30<sup>th</sup>, 2023.**

### Contact:

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*Dr. Alexandra Spiridon*

[alexandra.spiridon@nipne.ro](mailto:alexandra.spiridon@nipne.ro) or [cssp23@nipne.ro](mailto:cssp23@nipne.ro)

*Up-to-date information and the registration link can be found on our website: <http://cssp23.nipne.ro> or <https://indico.nipne.ro/event/230/>*

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