



Carpathian Summer School of Physics 2020
Exotic Nuclei and Nuclear/Particle Astrophysics (VIII).
Physics with small accelerators
August 18-27, 2021, Sinaia, Romania

First circular of 2021

General information

Dear Colleagues,

The **Carpathian Summer School of Physics 2020**, which was to be the 29th edition of a tradition that many of you know, was brutally cancelled in the summer of 2020 by the global coronavirus crisis. Now, thru governments' measures, the so-many-times heroic work of health personnel, and the contribution of many of our colleagues, scientists, thru protection measures and vaccines, this crisis is less imposing on us, and we believe that we can slowly start getting back to the normal life. It will, of course, be a new normal life. Given the above-mentioned improved conditions and the need to re-create the opportunities for in-person communication for all and the newer generations in our specific field, we plan to have this **Carpathian school in-person, on August 18-27, 2021**, in the location of its latest editions: **Sinaia, Romania**.

We will keep the title: "**Exotic Nuclei and Nuclear/Particle Astrophysics (VIII). Physics with small accelerators**" and the purpose but will change the format. It will be smaller, in school format, for 10 days, with fewer students (20-25) and fewer lecturers (7-8). **However, there is no limit on the number of students, if the demand from students will be larger, we will not refuse making it larger.**

The event is supported by the Horizon 2020 projects ENSAR2 and ChETEC-INFRA, is part of the ENNAS (European Network of Nuclear Astrophysics Schools), recognized by the Division of Nuclear Physics of EPS.

Reputed professors/scientists have committed to come and lecture. We shall announce the list in due time. We will keep most of the topics and will rely on advice from the same IAC.

We will offer fellowships for students consisting in local support (accommodation and fee). See next pages for details.

It is well understood that the event may still be cancelled if health conditions worsen in Romania, in Europe or in the countries of many participants. Currently the situation is manageable, and the expectations are that it will improve. Romania has ~30% population vaccinated and plans to go past 50% in August. Fewer restrictions will be in force if things go well.

We keep the name CSSP20, the web <http://www.nipne.ro/cssp20> and email addresses.

Organizer "*Horia Hulubei*" *National Institute for Physics and Nuclear Engineering (IFIN-HH)*
Bucharest-Magurele

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*
- *Physics at ELI-NP*
- *Nuclear astrophysics with small accelerators*
- *Instrumentation*
- *Accelerators for medical treatments, radioisotope production and industrial applications*

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Livius Trache and Mihai Straticiuc: chairs

Alexandra Spiridon - scientific secretary

Alexandra Saftoiu, Dan Filipescu, Ion Burducea, Alexandra Stefanescu

Denisa Cranganu, Laurentiu Serban

Special events

A special outreach session in a round table format is being planned for the **afternoon of Saturday August 21st**. The subject is obvious: “Science and scientific meetings in time of crisis”.

Sunday August 22nd, we plan excursion(s).

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>), a four stars complex, where most of the participants *will be accommodated in single and double rooms and in luxury flats at the following prices:*

Double room in single occupancy: 375 lei, about 77 euro/day, (lei, RON= Romanian currency),

Double room in double occupancy: 208 lei/ person/day, about 43 euro/person/day

Junior suite: 600 lei, about 125 euro/day

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

Breakfast is included in room's price.

Lunches will be served at the same hotel and are included in the fee.

Dinners can be pre-arranged at the same hotel at about 17 euro each, or the participants can choose to manage by themselves with these meals at other restaurants that are available around, in walking distance.

Registration

Online registration is available at <http://www.nipne.ro/cssp20> and by email (see "Contact").

The deadlines for registration are:

- for participants from countries that need visa for Romania (see <http://www.mae.ro>):
June 15th, 2021;
- for participants from countries that do not need visa: July 15th, 2021.

Stipends. As a rule, the participants should be supported by their home institution. However, a number of fellowships will be available for students (consisting of 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 July 1st, 2021.** All students supported will give oral contributions. Send abstracts of less than 1 page with your application via email to cssp20@nipne.ro, **before July 15th, 2021.**

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Up-to-date information on our website: <http://cssp20.nipne.ro> or <http://www.nipne.ro/cssp20>

Organized by:

