



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

Second circular of 2021

General information

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 fellow scientists thru protection measures and vaccines, this crisis is less imposing on us, and we believe that we can slowly start getting back to 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 will have this **Carpathian school in-person, on August 18-27, 2021**, in the location of its latest editions: **Sinaia, Romania**.

This is school's second and last circular. It repeats some of the important information in the first circular and adds important details. It's being sent only to the participants.

We will keep the title of the event: "**Exotic Nuclei and Nuclear/Particle Astrophysics (VIII). Physics with small accelerators**" and the purpose, but will slightly change the format. It will be smaller, in school format, for 10 days. Our call through the first circular and the website generated a large response, with more than double the registrants expected initially. We were glad for that and adjusted accordingly.

The event is supported by the Horizon 2020 project ENSAR2 and its Networking Activity NUSPRASEN, is part of the ENNAS (European Network of Nuclear Astrophysics Schools), and is recognized by the Division of Nuclear Physics of EPS.

As a clarification, **Aug. 18 (after 5 pm)** is only for the onsite registration and the friendly welcome (after 7pm), with classes starting next morning. The school officially ends on **Aug. 27, at noon**.

*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. We do not have signs for that. Currently travel is still largely without headaches if based on the Covid certificate or appropriate documents. Given the regulations to enter Romania (<https://reopen.europa.eu/en/>), **neither the hotel nor us, the organizers, are requiring extra proof of vaccination, negative test or antibodies.** The hotel has implemented its safety rules, which are presented here:*

<https://www.internationalsinaia.ro/covid19-update.html> and medical help or diagnosis is available on site or nearby in this city's facilities.

Romania has about half of population vaccinated. Fewer restrictions are in force, and CSSP20 has all considered and obeyed.

The school's web links: <http://www.nipne.ro/cssp20> and <https://indico.nipne.ro/event/141/overview> and our email addresses can be found on these sites.

Reputed professors/scientists have committed to come and give lectures. We attach a first draft of the lectures program, with the understanding that it may change, but only slightly.

Organizer

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

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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Organizing Committee:

Livius Trache: chairs

Alexandra Spiridon - scientific secretary

Alexandra Saftoiu, Dan Filipescu,

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

Special events

A special outreach session in a round table format is being planned for the **afternoon of Saturday August 21st**. We chose two subjects:

(1) “65 years of institutional nuclear physics in Romania” and

(2) “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>), four stars complex with a Conference Center, where the participants *will be accommodated in single and double rooms and in luxury suites 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 the room's price.

Lunches will be served at the same hotel and are included in the registration fee (see below).

Dinners can be pre-arranged at the same hotel at about 17 euro each, can be ordered "à 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

A **conference fee of 300 euros** (which includes the cost of lunches, coffee breaks and registration) for those staying the whole period and scaled for those with partial stay, should be paid at the arrival and registration. For those supported by CSSP20 these will be included in the support package. Student fellowships will include a 10 euro/day for dinners (which they will arrange by themselves).

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

Registration

Online registration is now **closed**. Those participants who have committed to participating via e-mail to the school or the school directors are asked to **please also register online at <https://indico.nipne.ro/event/141/overview>** so that the organizers can have all your info especially accommodation choice and arrival and departure dates.

Onsite registration will occur on **August 18th after 5 pm** inside the hotel at sublevel 1 (there will be indication arrows). At this time at the registration desk, you will be able to pay the **registration fees** (lunches, coffee breaks and conference fee). **Please be prepared to pay with cash as we will not be able to provide alternative means of payment. Euros, dollars and RON (lei) will be accepted.** Those arriving later will register and pay later.

Students who have received fellowships:

Be advised that the fellowship only covers the accommodation and registration fees (NOT TRAVEL). **And only for the official period of the school.** Any days before or after will have to be paid by you and at regular hotel rates. **Since many of you have added extra days, please send an e-mail to the organizers to confirm your arrival and departure dates, given the above information, and we will pass them to the hotel for appropriate reservations.**

All students supported will give oral contributions.

Transfer to Sinaia from the airport

This time CSSP20 does not organize a collective transfer from/to the airport.

Detailed help with the transfer from the Bucharest-Otopeni airport to Sinaia are included on the webpage at “Informations”: <https://www.nipne.ro/events/conferences/cssp20/information.php>

STATEMENT: *It is well understood that the event or your travel plans may still be affected by changes in health conditions* in Romania, in Europe or in your countries. CSSP20 cannot be responsible if drastic measures are imposed by governments or regulating authorities that exceed our competence, or by the border authorities. While CSSP20 will work to minimize consequences and to assist in emergencies, it is understood that we agree to support own responsibilities. For example, CSSP20 cannot cover the costs of a quarantine, if case occurs, even for those for whom we grant a fellowship. While COVID-19 medical assistance is free in Romania, it is advisable for you to carry an appropriate medical insurance.

See you safe and healthy in Sinaia!

Contact:

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Dr. Alexandra Spiridon

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

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