

ChETEC-INFRA SNAQs [snacks] Schools on Nuclear Astrophysics Questions



Question in February 2021

What do we need to know about nuclear astrophysics?

Timetable (CET)

14:00 → 14:15	Welcome and Introduction Monthly SNAQs – Introducing a new, virtual school format discussing questions related to nuclear astrophysics Speaker: Konrad Schmidt (HZDR)	🕒 15m
14:15 → 14:25	ChETEC-INFRA Speaker: Daniel Bemmerer (HZDR)	🕒 10m
14:25 → 15:10	First lecture about nuclear astrophysics seen from an astronomer, a nuclear physicist and a stellar modeler Speaker: Jordi José (Universitat Politècnica de Catalunya)	🕒 45m
15:10 → 15:20	Questions	🕒 10m
15:20 → 15:35	Coffee break	🕒 15m
15:35 → 16:20	Second lecture about nuclear astrophysics seen from an astronomer, a nuclear physicist and a stellar modeler Speaker: Chris Sneden (University of Texas)	🕒 45m
16:20 → 16:30	Questions	🕒 10m
16:30 → 17:15	Third lecture about nuclear astrophysics seen from an astronomer, a nuclear physicist and a stellar modeler Speaker: Aurora Tumino (Università degli Studi di Enna Kore)	🕒 45m
17:15 → 17:25	Questions	🕒 10m
17:25 → 17:30	Closing Speaker: Olivier Sorlin (GANIL)	🕒 5m

Today's speakers



Daniel Bemmerer

Helmholtz-Zentrum Dresden-Rossendorf, Germany

14:15 CET / 08:15 EST

ChETEC-INFRA – Infrastructures for nuclear Astrophysics



Jordi Jose

Polytechnic University of Catalonia, Spain

14:25 CET / 08:25 EST

What's nuclear astrophysics for a stellar modeler?



Chris Sneden

University of Texas, USA

15:35 CET / 09:35 EST

What's nuclear astrophysics for an astronomer?



Aurora Tumino

Kore University of Enna, Italy

16:30 CET / 10:30 EST

What's nuclear astrophysics for a nuclear physicist?



People behind **SNAQs**

Organizing committee



Marcel Heine

*Hubert Curien Pluridisciplinary
Institute, France*



Arūnas Kučinskas

Vilnius University, Lithuania



Gianluca Pizzone

*Laboratori Nazionali del Sud,
Italy*



Olivier Sorlin

*Grand Accélérateur National
d'Ions Lourds, France*



Andreas Korn

Uppsala University, Sweden



Mohamad Moukaddam

University of Strasbourg, France



Konrad Schmidt

*Helmholtz-Zentrum Dresden-
Rossendorf, Germany*



Livius Trache

*Horia Hulubei National Institute
for Physics and Nuclear
Engineering, Romania*

Goal of **SNAQs**

provide the same interdisciplinary background for nuclear astrophysicists working in **three types of infrastructures**



- ★ Astronuclear laboratories supply reaction data.
- ★ Supercomputer facilities perform stellar structure and nucleosynthesis computations.
- ★ Telescopes and mass spectrometers collect elemental and isotopic abundance data.

Partner schools of ChETEC-INFRA

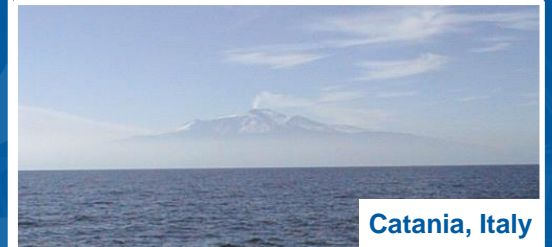


New schools

- Intercontinental School on Nuclear Astrophysics
- Nuclear Physics in Astrophysics School
- School on observations and spectroscopic tools
- **SNAQs**
Schools on **N**uclear
Astrophysics **Q**uestions**s**

Well established schools

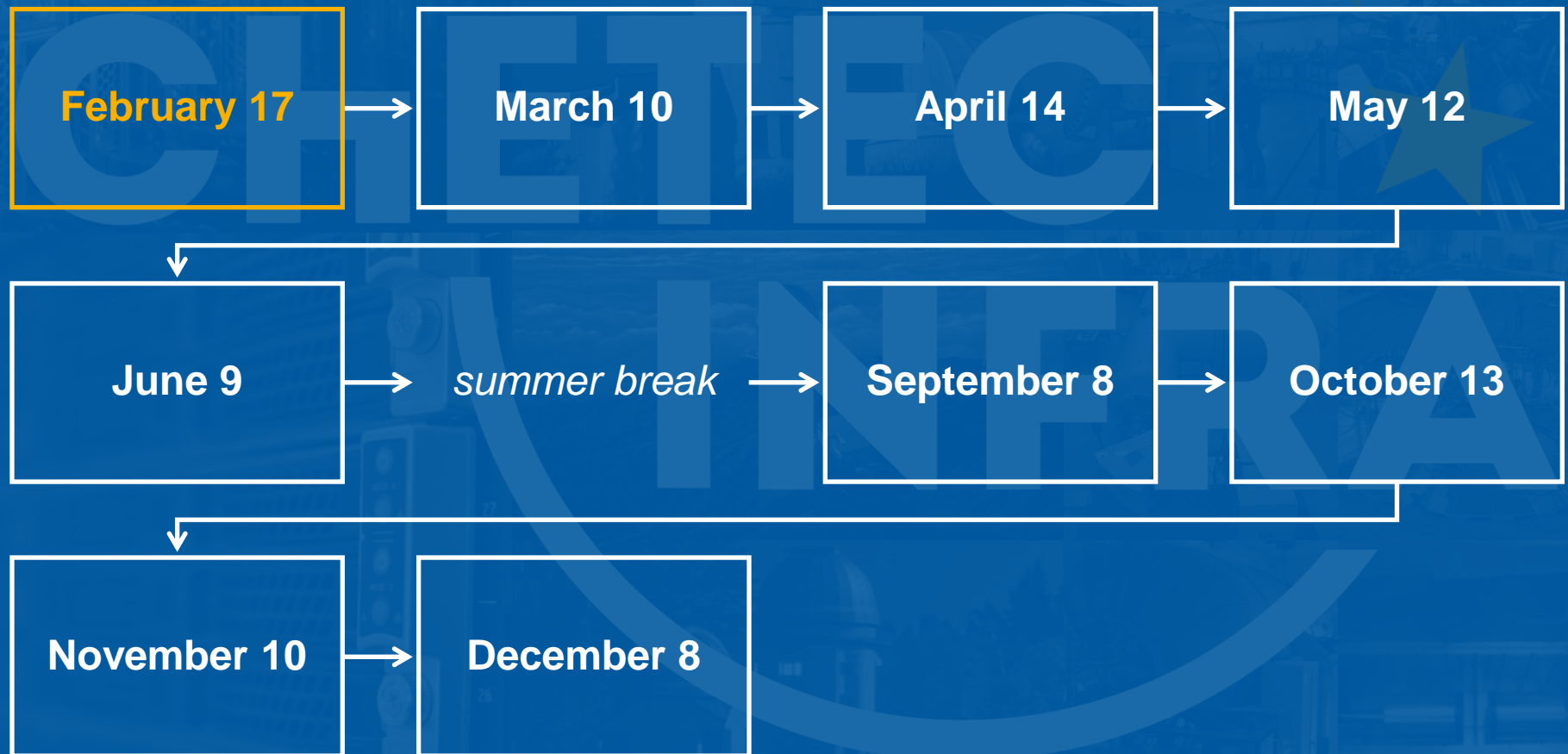
- Carpathian Summer School of Physics
- European Summer School on Experimental Nuclear Astrophysics
- International school on nuclear physics, neutron physics and applications
- Rußbach School on Nuclear Astrophysics



SNAQs 2021: always on the 2nd Wednesday in each month



Save the dates!



Guidelines for participants of SNAQs

Please, ...



- ... rename yourself in the Zoom sessions to match your registration name and institution – this will serve as your “nametag”.



- ... mute your microphone during talks.



- ... use the public chat only for questions related to the lecture; for discussions, please use the private chat.



- ... write your questions in the chat – due to the high number of participants, a moderator will read a selection of questions but can choose a limited number only.

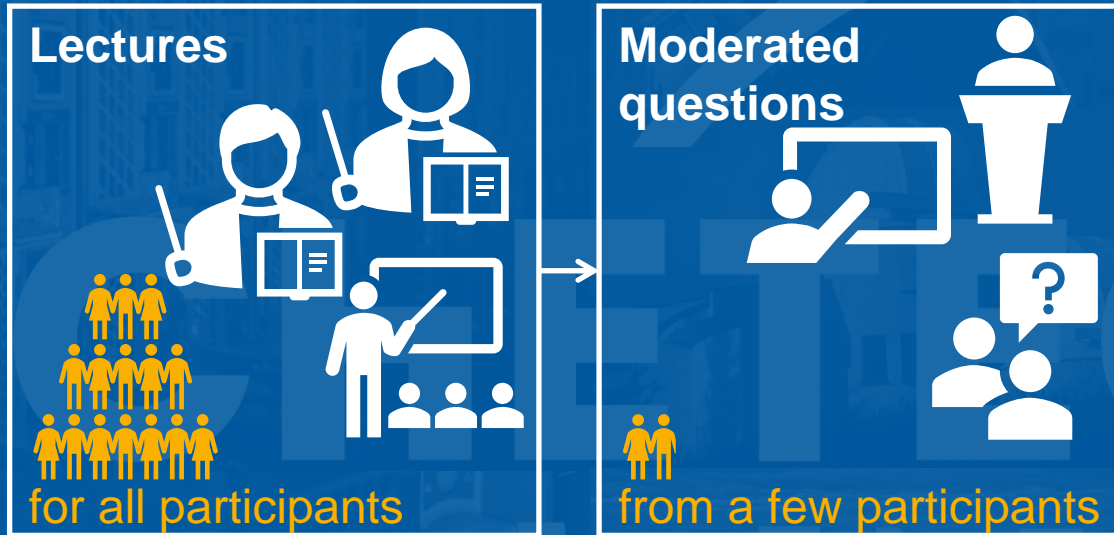


- ... use breakout rooms to talk and chat to each other in smaller groups. Breakout rooms will be available during coffee breaks; participants can choose rooms freely.

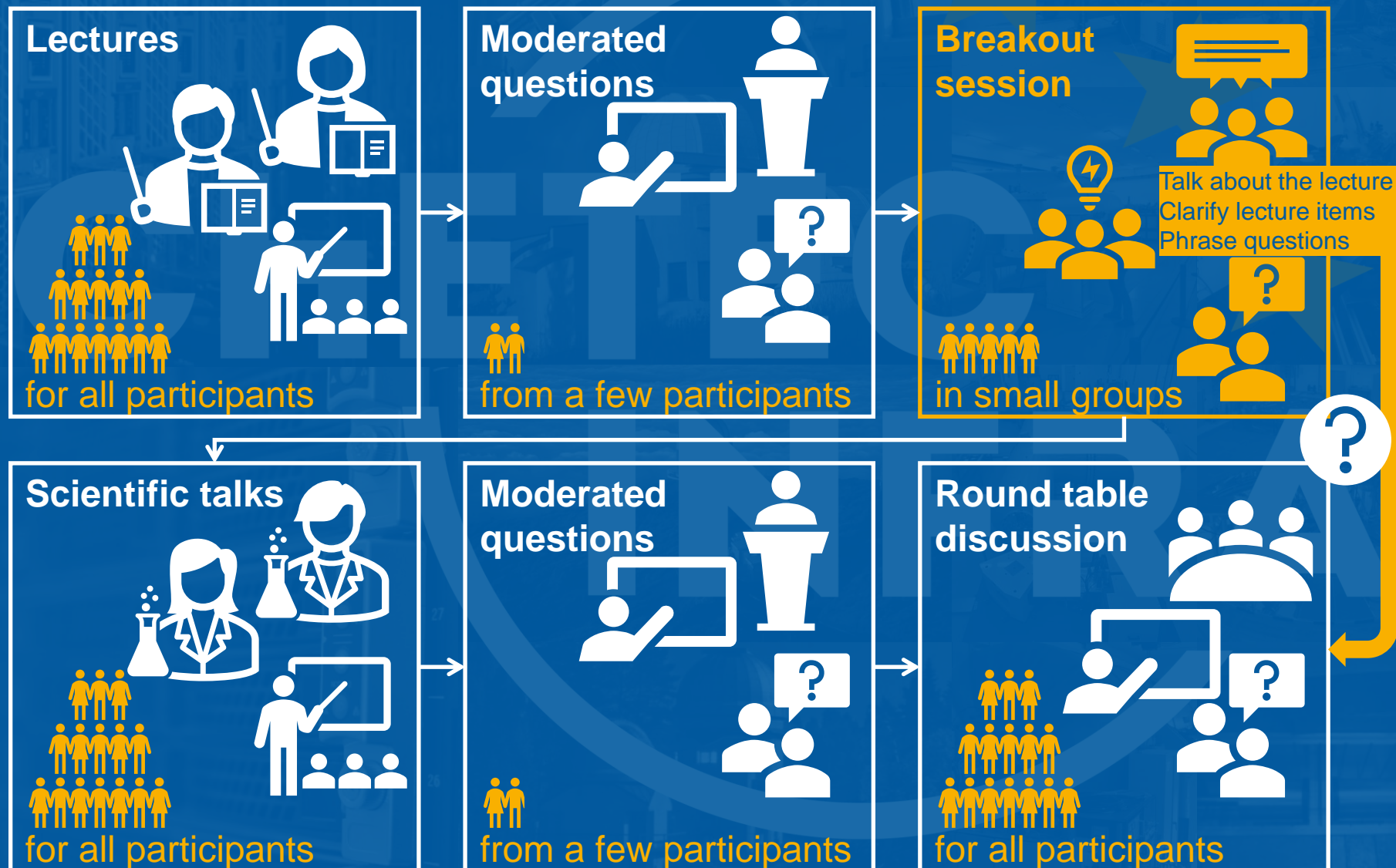


- ... behave professionally and respectfully
- ... follow ethical standards as professional integrity and honesty
- ... foster a welcoming and inclusive work environment

Kick-off event of **SNAQs** in February



Starting in March, **SNAQs** will focus on **interaction** between participants



Announcement: Next **SNAQ** on Wednesday, March 10, 2021 at 14:00 CET (08:00 EST)



Question

How do neutron star mergers impact r elements in the universe?

Website

<https://hifis-events.hzdr.de/e/snaqs-mar2021>

Call for abstracts

We highly encourage **master and PhD students** to apply for **scientific talks** related to the question above. If you are interested, please submit an abstract of your talk at the lower end of the registration form.

Deadline for abstract submission is Wednesday, February 24, 2021.