

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



Question in October 2021

How to study stars from underground laboratories and deep-sea samples?

Timetable (14:00 – 14:10 CEST, 08:00 – 11:30 EDT)

14:00 – 14:10	Welcome and introduction
14:10 – 14:20	Russbach School on Nuclear Astrophysics
14:20 – 15:00	Why to study stars underground Rosanna Depalo , <i>Università degli Studi di Milano, Italy</i>
15:10 – 15:25	Coffee break and breakout session
15:25 – 16:05	How to study stellar explosions with deep-sea sediments and ocean crust? Jenny Feige , <i>Technische Universität Berlin, Germany</i>
16:15 – 16:30	Coffee break and breakout session
16:30 – 16:45	Measurements of ${}^3\text{He}(\alpha,\gamma){}^7\text{Be}$ γ-ray angular distribution at Felsenkeller shallow underground laboratory Steffen Turkat , <i>Technische Universität Dresden</i>
16:50 – 17:05	Single atom counting of stellar and r-process nuclei in time-resolved deep-sea archives Dominik Koll , <i>Australian National University, Australia</i>
17:10 – 17:30	Round table discussion

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

Online Attendance Certificates



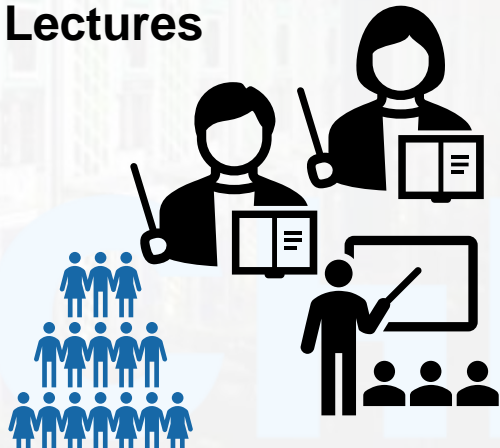
Please contact Mohamad Moukaddam moukaddam@unistra.fr



The focus of SNAQs is on **interaction** between participants


establish contacts for scientific networking, so briefly introduce yourself

Lectures




for all participants

Moderated questions



from a few participants

Breakout sessions



talk about the lecture
clarify lecture items
phrase questions

in small groups

Scientific talks



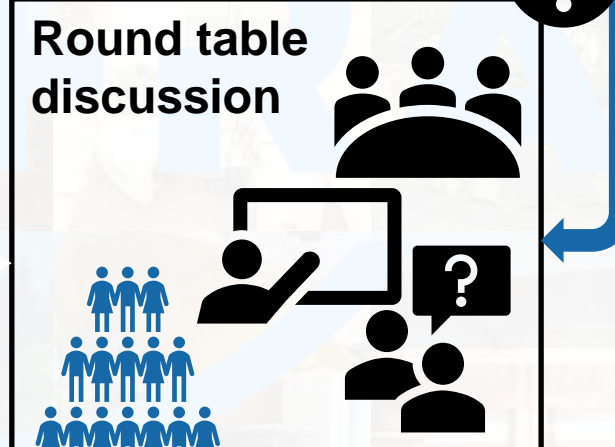
for all participants

Moderated questions



from a few participants

Round table discussion



for all participants



ChETEC-INFRA Transnational Access



Access to **13 Research Infrastructures** in Nuclear Astrophysics:

★ **Astronuclear High Performance Computing**

- University of Hull (UHULL) viper HPC, *United Kingdom*

★ **Astronuclear Laboratories (AMS, Reactions with Ion Beams)**

- HZDR DREsden Accelerator Mass Spectrometry (DREAMS), *Germany*
- HZDR Felsenkeller, *Germany*
- Vienna Environmental Research Accelerator (VERA), *Austria*
- Goethe University Frankfurt Van de Graaff accelerator, *Germany*
- PTB Ion Accelerator Facility (PIAF), *Germany*
- University of Cologne 10MV Tandem accelerator, *Germany*
- ATOMKI Cyclotron, *Hungary*
- IFIN-HH 3MV Tandetron, *Romania*

★ **Astronuclear Telescopes**

- IANA0 Rozhen National Astronomical Observatory, *Bulgaria*
- ASU Perek 2m Telescope, *Czech Republic*
- Aarhus University Nordic Optical Telescope (NOT), *Denmark*
- Vilnius University Molėtai Astronomical Observatory (MAO), *Lithuania*



Apply for user time at

<https://gate.hzdr.de/user/>

More information at

<https://www.chetec-infra.eu/tna/>

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



Question

How to interpret stellar spectra?

Website

<https://events.hifis.net/e/snags-nov2021>

Call for abstracts

We highly encourage **young scientists** (master and PhD students, as well as young postdocs) 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, October 27, 2021.