

Nuclear Astrophysics Schools

partnering with ChETEC-INFRA

Partner schools of ChETEC-INFRA

- Observation night with the Nordic Optical Telescope sponsored by ChETEC-INFRA
- Hands-on day with the galactic chemical evolution code OMEGA
- Training day for Nuclear Astrophysics Masterclasses
- Public special lecture on Nuclear Astrophysics at the Globe of Science and Innovation

New schools

- Intercontinental School on Nuclear Astrophysics
- Nuclear Physics in Astrophysics School
Aug 29 – Sep 2, 2022
- School on observations and spectroscopic tools
- **SNAQs**
Schools on Nuclear Astrophysics Questions

Well established schools

- Carpathian Summer School of Physics
- European Summer School on Experimental Nuclear Astrophysics
Jun 12 – 19, 2022
- International school on nuclear physics, neutron physics and applications
- Russbach School on Nuclear Astrophysics



SNAQs [snæks] – Schools on Nuclear Astrophysics Questions



Why is attracting high school students to nuclear astrophysics a win-win for everyone?

April 2022



How to model a star in your laptop?

February 2022



What is the link between radioactive nuclei and astrophysics?

January 2022



Does Nuclear Astrophysics probe fundamental physics?

December 2021



How to interpret stellar spectra?

November 2021

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



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

October 2021



What does nuclear physics do for astrophysics?

June 2021



How can we query nature to determine nuclear inputs in the cosmos?

May 2021



How to get from starlight to stellar abundances?

April 2021



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

March 2021



What do we need to know about nuclear astrophysics?

February 2021

SNAQs organizing committee



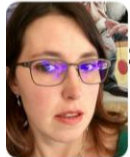
Rosanna **Depalo**, Università degli Studi di Milano, Italy



Marcel **Heine**, Hubert Curien Pluridisciplinary Institute, France



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Gianluca **Pizzone**, Laboratori Nazionali del Sud, Italy



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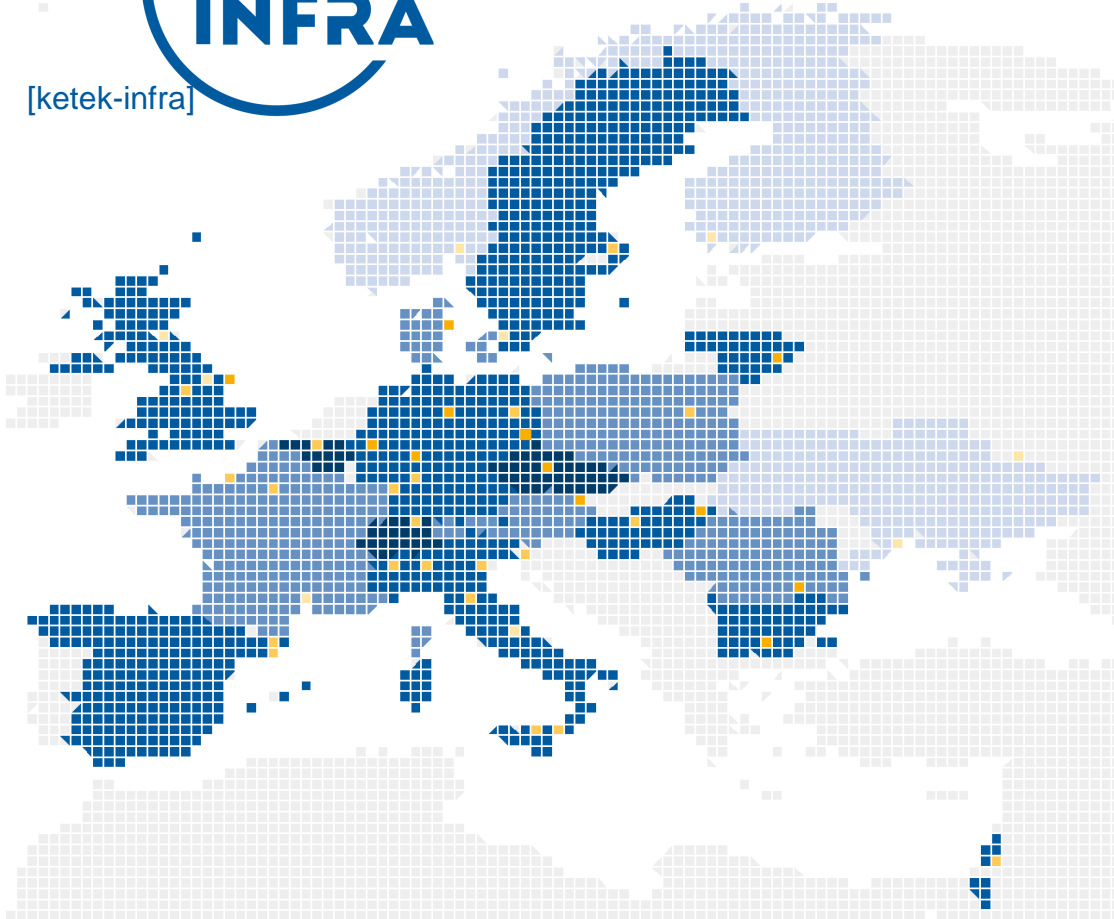


Aurora **Tumino**, Kore University of Enna, Italy

Key facts at a glance



Chemical Elements as Tracers of the
Evolution of the Cosmos – Infrastructures for
Nuclear Astrophysics



- EU Horizon 2020 **Starting Community** of research infrastructures to serve nuclear astrophysics
 - <https://www.chetec-infra.eu>
- **32 partners** in 17 EU+ countries
- 2021 – 2025 (5.0 M€)
- **13 research infrastructures** offer EU-supported transnational access, selection based on scientific merit
 - <https://www.chetec-infra.eu/tna>
- Reaction rate evaluation
- Masterclasses in Nuclear Astrophysics for high-school students
- Schools on Nuclear Astrophysics Questions (SNAQs) for university students and scientists
 - <https://www.chetec-infra.eu/snaqs>

EU supported access to 13 infrastructures



17th Russbach School on Nuclear Astrophysics

Thanks to our sponsors!

