



Istituto Nazionale di Fisica Nucleare  
SEZIONE di BOLOGNA



Bologna, 2<sup>nd</sup> February 2024

## First Bulletin of the SoUP2024 (School of Underground Physics)

We are pleased to announce the 3rd edition of the International INFN "School of Underground Physics: Theory and experiments" (SoUP2024), addressed to PhD students, post-docs and young researchers involved in the field of Underground (or Underwater) Physics: Neutrinos, Dark Matter, and other rare-event searches.

This year the School is organised by INFN-Bologna, and it will take place from October 14th to October 18th, 2024 at the CeUB center in Bertinoro (FC - Italy), a small Middle Age village 60 km far away from Bologna. The school is organised with lectures, and a hands-on session in Statistics. It also includes a speed talk event, where the participants can briefly introduce themselves, a poster session to present their current research, and an outreach event for the general public.

Here the list of Topics and Lecturers:

- *Dark Matter Phenomenology*. Lecturer: Marco Cirelli (LPTHE Paris) – TBC
- *Neutrino Phenomenology*. Lecturer: Marco Pallavicini (University & INFN Genova)
- *Axion Phenomenology and Detection*. Lecturer: Gianni Carugno (INFN Padova)
- *Liquid Scintillators and Water Cherenkov Detectors*. Lecturers: Barbara Caccianiga (INFN Milano), Giorgio Riccobene (INFN LNS)
- *Noble Liquid Detectors*. Lecturer: Giuliana Fiorillo (University & INFN Naples)
- *Solid State Detectors*. Lecturer: Marco Vignati (University & INFN Roma La Sapienza)
- *Statistics (Principles and Hands-on session)*. Lecturer: Knut Mora (Columbia University)
- *Novel Photodetectors*. Lecturer: Alberto Gola (FBK Trento)
- *Material Screening*. Lecturer: Monica Sisti (INFN Milano Bicocca)

Web site: <https://soup2024.ca.infn.it>

Registration is now open, with deadline May 15th.

After that date, the registered people will be contacted by the SoUP Secretary with the details for the payment and final registration:

- deadline for the Early registration fee of 650 euro: June 15
- deadline for the Standard registration fee of 700 euro: July 31.

The fee covers:

- admission to all lectures;
- lodging in a double room for 5 nights, from Sunday evening to Friday morning (+50 euro for single room, if available);
- breakfast, lunch, and two coffee breaks per day (Mon-Fri);
- the social dinner;
- welcome party;
- shuttle from/to the railway station in Forlì.

We kindly ask you to spread the news to anybody who can be potentially interested.

Best regards,

Walter Bonivento and Marco Selvi (co-chairs of the SOUP Scientific Program Committee)