

Dear Colleagues,

we would like to inform you that the registration to the International Doctorate School "**Frontiers in Nuclear and Hadronic Physics 2026**" (FNHP2026) is now open. The school will take place at the **Galileo Galilei Institute (GGI) in Florence**, from **February 16 to February 28, 2026**. The school is primarily addressed to Ph.D. students in Theoretical Nuclear and Hadronic Physics. Participation of post-doc fellows and experimentalist is also encouraged.

The 2026 edition will be devoted to the study of **high-energy collisions from proton-proton to nucleus-nucleus** and it will provide a pedagogical introduction to the basic concepts and tools needed for carrying out cutting edge research *in hot QCD matter, high-energy QCD, Quark-Gluon Plasma probes and properties, relativistic hydrodynamics, particle production, QCD phase diagram at finite temperature and density*. The topics will be of main interest for students and young post-docs working on hot QCD matter, relativistic heavy-ion collisions, quark matter in astrophysics, hadronic physics, and more generally on nuclear and particle physics. The lectures will emphasize the intimate connections among these fields, giving much attention to the interpretation of experimental data.

The program is as follows:

L. Apolinario (LIP Lisbon): *Jet Physics in ultra-relativistic collisions*

N. Brambilla (Tech. Univ. of Munich): *Non-Relativistic EFT and Lattice QCD for Heavy Flavor Dynamics*

G. Giacalone (CERN, Geneva): *Nuclear Structure studies through ultra-relativistic collisions*

S. Schlichting (Bielefeld Univ.): *Hydrodynamics and Kinetic Theory: Attractors and Thermalization*

A. Vuorinen (Helsinki Univ.): *Dense matter equation-of-state from colliders to neutron stars*

We will admit about 50 students.

Accommodation in double rooms will be provided to a cost of about 40 Euro per night (including breakfast). Lunches during the week-days will be offered on site, free of charge, to all participants. Financial support for accommodation expenses may be provided, upon request, to a selected number of participants (about 35).

Students from non-EU institutes/universities are supposed to provide a recommendation letter, to be sent to the School contact persons (andrea.beraudo@unito.it, greco@lns.infn.it).

The deadline for application is December 18th, 2025. Acceptance will be communicated by January 9th, 2025.

More information and the application form can be found on the website
<https://www.ggi.infn.it/showevent.pl?id=552>.

Please circulate this information to colleagues and collaborators that might be interested in the initiative.

Looking forward to welcoming your students,

The organizers

Alessandro Bacchetta (Pavia U.), Andrea Beraudo (INFN, Torino), Ignazio Bombaci (Pisa U.), Angela Bonaccorso (INFN, Pisa), Maria Colonna (INFN-LNS), Vincenzo Greco (Catania U.), Elena Santopinto (INFN, Genova), Luigi Coraggio (Campania U., Caserta), Enrico Vigezzi (INFN, Milano)

