



Defining the Nuclear Physics Mid Term Plan in Italy

The next years will see the completion of the upgrade programs in the Italian National Institute of Nuclear Physics (INFN) laboratories: SPES at LNL (<https://web.infn.it/spes/>), POTLNS at LNS (<https://potlns.lns.infn.it/en/>), LUNA-MV at LNGS (<https://www.lngs.infn.it/en/luna>). These will make available new beams and facilities to the nuclear physics community and it is timely and beneficial to carry out a scientific dialogue on the foreseen prospective physics program for the next 5-7 years' timescale. The *Nuclear Physics Mid Term Plan in Italy*, organized by the Nuclear Physics Division (CSN3) of INFN, will coordinate these discussions, stimulating new ideas and involving the whole international community interested in such experimentations. The occasion will also involve the interests and the passion of the new generation of nuclear physics researchers that will be the leading forces in the exploitation of the new facilities.

The workshop will provide a unique opportunity for the entire nuclear physics community to come together to document a scientific vision for the future of nuclear physics in Italy. It will aim at identifying the most important questions for the field of nuclear physics and the tools to address them, underlying possible synergies and complementarities among the nuclear physics laboratories in Italy and the different experiments. The workshop will involve national and international potential users, over a broad range of topics spanning from applications to nuclear astrophysics and nuclear structure and dynamics. The contributions and participation will be organized in specific working groups coordinated by conveners, with the task to discuss and prepare summary reports during the final events in the laboratories.

The Nuclear Physics Mid Term Plan will be organized in a series of sub-workshops that will take place at the South National Laboratory (LNS) on April 4/5, at the Legnaro National Laboratory (LNL) on April 11/12 and at the Gran Sasso National Laboratory (LNGS) and Frascati National Laboratory (LNF) on a date to be defined. In parallel with the organization of the workshop, a review work will be prepared including the physics ideas proposed by the community, under the direction of the conveners.

More details can be found on the event website: <https://web.infn.it/nucphys-plan-italy/>. Registrations in the working groups are opened. Agendas and presentations of all meetings will be available at the same website.

Dr. M. La Cognata, Dr. R. Nania, Dr. J.J. Valiente-Dobon
on behalf of the organizing committee



Nuclear Physics Mid Term Plan in Italy

Session LNL 11-12 April 2022



INFN, LNL
Laboratori Nazionali di Legnaro

This workshop is dedicated to **future nuclear physics research in Italy** with particular emphasis on INFN laboratories. The workshop is divided into **three sessions** and will be prepared by researchers participating to specific working groups that will report their activities in the final events.



Organizing Committee

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Session LNF & LNGS 2022



INFN, LNF
Laboratori Nazionali di Frascati



INFN, LNGS
Laboratori Nazionali del Gran Sasso

Session LNS 4-5 April 2022



INFN, LNS
Laboratori Nazionali del Sud

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