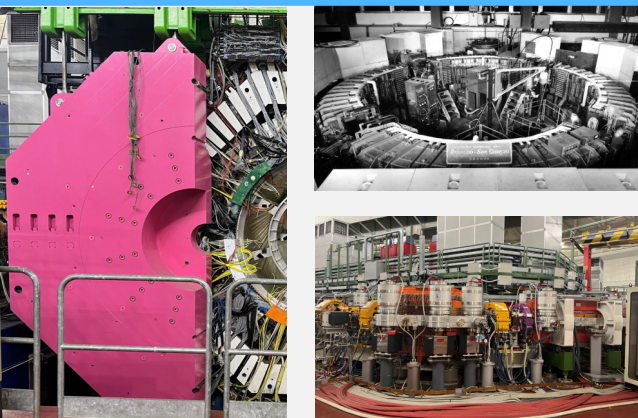


# Nuclear Physics Mid Term Plan in Italy

Session LNF  
1-2 December 2022



INFN, LNF  
*Laboratori Nazionali di Frascati*



## Organizing Committee

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The workshop is organized in specific working groups that will report their activities in the final event. These working groups will address the future research opportunities at LNF.

### Working Groups (*chair*)

- ◆ Future possibilities for nuclear physics at LNF (TBD)
- ◆ Charged particle detectors (G. Pasquali, F. Galtarossa)
- ◆ Neutron detectors (C. Massimi, A. Gottardo)
- ◆ Detectors for gamma/X radiation (A. Scordo, W. Raniero)
- ◆ Detectors for medical applications (R. Catalano, P. Cardarelli, M. Lunardon)
- ◆ Targets for nuclear physics measurements (M. Cavallaro, S. Corradetti)
- ◆ New facilities at LNL and LNS (A. Di Pietro, A. Gottardo)

### Topic (*speaker*)

- Nuclear physics at DAFNE
- Possibilities for nuclear physics with EuPRAXIA
- Pulse Shape Discrimination, Silicon Carbide detectors, Active Targets
- Heavy ion detection
- Organic scintillators for neutron detection (A. Best)
- Detectors for neutron beams and applications (S. Amaducci)
- Innovative neutron detectors (A. Musumarra)
- Gamma ray detectors
- X-ray detectors
- Detectors for medical applications
- Innovative targets for nuclear physics experiments
- Innovative targets for new production facilities
- New facilities at Laboratori Nazionali di Legnaro
- New facilities at Laboratori Nazionali del Sud

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**Indico website:** <https://agenda.infn.it/event/32709/>

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