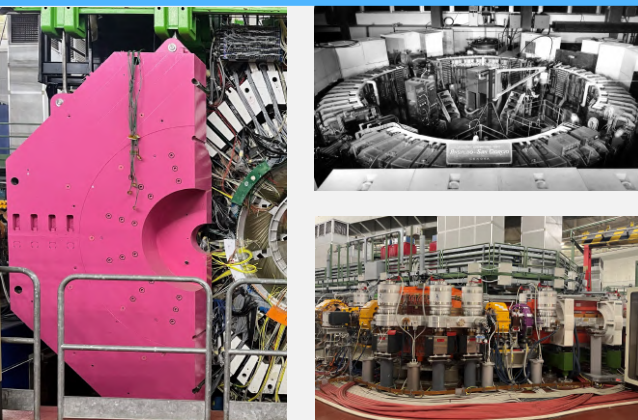


Nuclear Physics Mid Term Plan in Italy

Session LNF
1-2 December 2022



INFN, LNF
Laboratori Nazionali di Frascati



Organizing Committee

G. Benzoni
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 J. J. Valiente-Dobón

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

Topic (speaker)

- Nuclear physics at DAFNE *(C. Curceanu)*
- Femtoscopy at SIDDHARTA and ALICE *(O. Vasquez)*
- Pulse Shape Discrimination, Silicon Carbide detectors, Active Targets *(G. Pasquali)*
- Segmented silicon detectors, heavy ion detection and spectrometers *(F. Galtarossa)*
- Diamond detectors, emulsions and other techniques *(L. Servoli)*
- Organic scintillators for neutron detection *(A. Best)*
- Detectors for neutron beams and applications *(S. Amaducci)*
- Innovative neutron detectors *(M. Toppi)*
- Treatment monitoring and optimisation *(P. Cerello)*
- Dosimetry, quality assurance and radiotherapy *(G. Petringa)*
- X-ray and gamma imaging *(L. Brombal)*
- Innovative targets for nuclear physics experiments *(F. Pinna)*
- Innovative targets for new production facilities *(S. Cisternino)*
- X-ray detectors *(M. Miliucci)*
- Gamma detectors *(F. Sgarbossa)*
- New facilities at Laboratori Nazionali di Legnaro *(G. Benzoni, A. Goasduff)*
- New facilities at Laboratori Nazionali del Sud *(D. Carbone)*
- New facilities for laser-based activities at LNF and LNS *(D. Lattuada)*

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

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