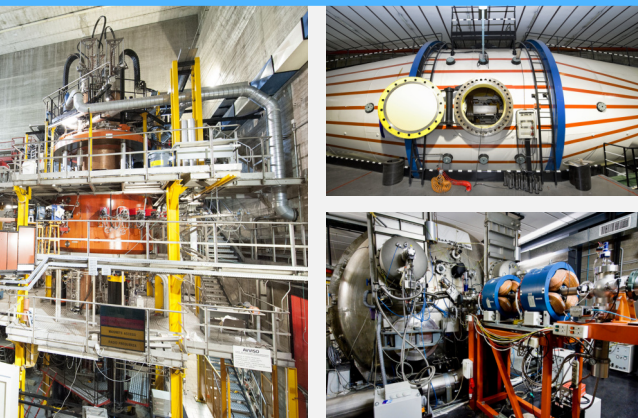


Nuclear Physics Mid Term Plan in Italy

Session LNS
4-5 April 2022



INFN, LNS
Laboratori Nazionali del Sud



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 LNS.

Working Groups	Topic
◆ Nuclear Dynamics	<ul style="list-style-type: none"> • Heavy Ion Collisions – EOS • Clustering • Fission Dynamics
◆ Nuclear Structure	<ul style="list-style-type: none"> • Nuclear Matrix Elements towards $0\nu\beta\beta$: theoretical model developments • Selective study of nuclear structure response with high intensity beams and advanced spectrometry • Collective modes in nuclei with stable and unstable beams
◆ Nuclear Astrophysics	<ul style="list-style-type: none"> • Nuclear and atomic input for the quiescent stellar evolution • The «explosive» universe : BBN and explosive nucleosynthesis • <i>s ed r</i> process
◆ Applications	<ul style="list-style-type: none"> • Medical Applications • Laser-Matter Interaction • Plasma traps

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