

Latest developments at GANIL/SPIRAL2

F. Farget¹

¹Grand Accélérateur National d'Ions Lourds (GANIL), CEA/DRF-CNRS/IN2P3, 14076 Caen Cedex 05, France

GANIL celebrated the 40th anniversary of its first experiment performed with the cyclotrons in 2023. Along these 40 years, constant developments and upgrades of the accelerator and experimental areas have allowed to perform experiments with radioactive beams produced by in-flight method with the LISE spectrometer and by ISOL method with SPIRAL1. Some selected examples of the latest experiments performed with radioactive ion beams will be presented, as well as the campaign on fission in VAMOS, together with the recent beam developments with SPIRAL1 target-ion sources, and the ambitious plan for a complete refurbishing of the facility which has recently been approved and funded.

The SPIRAL2 Phase 1 LINAC is now fully operational and three experimental campaigns were performed in 2022-2024 in the NFS (Neutron For Science) experimental hall. The components of S³ spectrometer are under test and a first beam was sent on the target at the end of 2024. The construction of the DESIR hall is in full swing. The presentation will give an overview on these different achievements together with the vision for the medium and long-term plans.



Layout of GANIL/SPIRAL2 facility