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## Latest developments at GANIL/SPIRAL2

*Monday, 26 May 2025 14:40 (15 minutes)*

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 will be presented, 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. Optical commissioning of the spectrometer is planned at the end of 2025. The construction of the DESIR hall for low-energy nuclear physics is in full swing and the first experiments are planned in 2027. The installation of the new LINAC injector optimized for  $A/Q=7$  will start in 2025. The presentation will give an overview on these different achievements together with the vision for the medium and long term plans.

### Consent

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