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Status report on survey and alignment activities @GANIL

GANIL laboratory will turn 40 next year. Since 1983, the facility continuously lived upgrades and extensions. The major extension started to be installed in 2012: SPIRAL2, a new facility consisting in two ion injectors, a superconducting linear accelerator and two experimental hall (NFS and S3). In 2019, a first beam was accelerated in the linac and the first experiment was led with a neutron beam in NFS (Neutron for Science Facility). In 2023, it will be S3 's turn to be ready for commissioning: Super Separator Spectrometer facility will exploit heavy ion beams especially through seven superconducting multipole triplet.
Three other projects have already started: a new injector (A/Q=7) for SPIRAL2 to deliver intense heavy ion beams up to uranium with a superconducting source (construction phase 2023-2026). DESIR project aims at provide a low energy facility using beams coming both from SPIRAL2 and GANIL cyclotrons (construction phase 2023-2027). In addition, the renovation of the historical facility (5 cyclotrons) in order to keep delivering ion beams for the next twenty years is considered as a main project.
Alongside projects of new facilities, ten to twenty experiments are hosted and set up each year in operating halls for fundamental physics research programs.
All these works continuously provide alignment activities for the two surveyors'team at GANIL: networks establishment, new equipment's design study involvements, fiducializations, beam line equipment's alignment and periodic inspection, and experiment setups alignment.

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