

Underground Geophysics at the INFN Laboratori Nazionali del Gran Sasso

Thursday, 15 June 2023 17:00 (30 minutes)

At the beginning of 2023 the STRIC project started under the PNRR (EU funding).

This proposal includes a part linked to the purchase of instrumentation for underground geophysics in the INFN LNGS.

In particular, it is foreseen:

- the financing, together with the INFN, of the GINGER experiment (ring laser with an opening of about 5 meters);
- installation of a superconducting gravimeter to be kept in continuous recording;
- broad-band seismic sensors both for the underground seismic array (together with the 21 short-period sensors) and for the seismic station of the INGV national network (GIGS)
- increased and improved monitoring of the chemical-physical parameters of the groundwater around the LNGS (above all hydraulic pressures).

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Session Classification: Geophysical applications

Track Classification: Geophysics, seismology and geodesy