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The Sar-Grav Laboratory

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The Sar-Grav Laboratory is a seed of the third generation of gravitational wave interferometer: Einstein Telescope. The infrastructure is located beside the Sos Enattos mine in Lula (Nuoro, Sardinia). The region is characterized by a very low seismic and anthropogenic noise therefore, Sar-Grav aims to host underground experiments like low seismic noise experiments, cryogenic payloads, low frequency and cryogenic sensor development. A surface of about 900 square meters on the surface is equipped with an optical laboratory, a control room and it is gearing up with cleaned room, while 250 square meters are under construction underground. Archimedes, a fundamental physics experiment, is the first experiment already under installation in the surface area.

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