

## **GALILEO Infrastructures for Einstein Telescope: Advanced Quantum Optics Technologies and Magnetic Emission Characterizations**

The Italian Einstein Telescope Infrastructure Consortium (ETIC) is an initiative led by INFN aimed at establishing a network of laboratories crucial for the future Einstein Telescope gravitational wave interferometer, alongside characterization efforts for the Sos-Enattos site in Sardinia, Italy. This poster will present the GALILEO project for the Einstein Telescope, planned to be set up at INFN-Genova and the University of Genova. The project seeks to establish a new laboratory for the development of advanced quantum optics technologies and a new facility for the characterization of magnetic emissions from critical interferometer components.

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