



ID de Contribution: 146

Type: Non spécifié

Overview of ANTARES, the first Submarine Neutrino Telescope

mercredi 29 mars 2023 18:10 (25 minutes)

ANTARES has been the first neutrino telescope to be operated in the deep sea. Comprising 12 detection lines standing on the sea floor, each equipped with 25 triplets of optical modules, for 16 years it has surveyed the sky, looking for neutrinos from galactic and extragalactic sources or generated from the annihilation of dark matter, and has investigated neutrino oscillation and non standard neutrino interactions. It has also served as a long-term observatory for marine sciences and geosciences. Furthermore, it has provided a solid experience for designing the next generation of submarine neutrino telescopes. An overview of the main results and of the legacy of ANTARES will be presented in this talk.

Author: CIRCELLA, Marco (INFN Bari)

Orateur: CIRCELLA, Marco (INFN Bari)

Classification de Session: Session

Classification de thématique: Neutrinos