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Abstract = Authors: Manuela Vecchi on behalf of the ANTARES Collaboration Title: Recent results from the ANTARES experiment

ANTARES (Astronomy with a Neutrino Telescope and Abyss environmental RESearch) is currently the largest neutrino detector operating in the Northern hemisphere. The telescope is designed to search for high-energy neutrinos originating from galactic and extra-galactic sources. The detection principle relies on the observation of Cherenkov light, whose emission is stimulated by the propagation in water of the charged leptons resulting from charged current neutrino interactions in the medium surrounding the detector.

The detector is a 3-dimentional array of photomultiplier tubes, arranged on twelve vertical lines (each housing 75 photomultipliers), placed at a depth of about 2500 meters 40 km off the coast of Toulon, France. The detector was completed in May 2008 and it has been working continuously in its 12-lines configuration for almost one year.

The performance and first results of the detector will be discussed, and first neutrino candidates will be presented.