



Contribution ID: 44

Type: **not specified**

Status and recent results of the Antares Deep-sea Neutrino Telescope

Thursday, 26 May 2011 12:00 (30 minutes)

ANTARES is currently the largest operating neutrino telescope located in the northern hemisphere. Its main goal is to detect high energy neutrinos that are expected from cosmic ray acceleration sites. The construction of ANTARES was completed in 2008. It consists of 12 identical lines deployed at 2500 m depth offshore from Toulon. Data are continuously taken by 885 photomultipliers that detect the Cherenkov light induced by relativistic charge particles reaching the detector. The status of the experiment will be discussed, together with the latest results including searches for a diffuse high-energy cosmic neutrino flux and for neutrinos from point-like sources.

Primary author: COSTANTINI, Heide (CPPM, Aix-Marseille Université)

Presenter: COSTANTINI, Heide (CPPM, Aix-Marseille Université)

Session Classification: High Energy Neutrinos