

Observation of the Moon shadow with the ANTARES neutrino telescope

ANTARES is currently the largest neutrino detector on the Northern Hemisphere. Operating since May 2008 in its full configuration, it aims to detect high-energy cosmic neutrinos.

In the absence of an astrophysical standard candle, a possible way to measure the angular resolution and the pointing accuracy for a neutrino telescope is to look at “Moon shadow” in the atmospheric muon flux. The analysis method and the present results of the observation of the Moon shadow with ANTARES will be presented and discussed.

Auteur principal: Dr DISTEFANO, Carla (LNS-INFN)

Orateur: Dr DISTEFANO, Carla (LNS-INFN)

Classification de thématique: Astroparticle Physics