

Last ANTARES multimessenger analysis and associated results

Wednesday 14 September 2016 14:35 (15 minutes)

ANTARES is currently the largest neutrino telescope operating in the Northern Hemisphere, aiming at the detection of high-energy neutrinos from astrophysical sources. Such observations would provide important clues about the processes at work in those sources, and possibly help to understand the sources of very high-energy cosmic rays. In this context, Antares is developing several programs to improve its capabilities of revealing possible spatial and/or temporal correlations of neutrinos with other cosmic messengers: photons, cosmic rays and gravitational waves. The results of the electromagnetic follow-up (optical, radio, X-ray and VHE gamma-ray) of the ANTARES neutrino alerts, the search for a neutrino signal from various transient sources such as fast radio bursts and gamma-ray bursts and the correlation between neutrinos and gravitational waves will be presented.

Summary

Primary author: TURPIN, Damien (IRAP)

Presenter: TURPIN, Damien (IRAP)

Session Classification: Poster Session (coffee at 15:00) & CERN Visit

Track Classification: Neutrinos