



## Poster session 2 – Tuesday 5 July

### P2.004 All flavour search for cosmic neutrino sources with the ANTARES neutrino telescope

T Michael

Nikhef, Netherlands

*on behalf of ANTARES collaboration*

ANTARES is the largest neutrino telescope in the Northern Hemisphere. The detector has established excellent pointing resolution for muon neutrinos (0.4 degrees) and a degree-level resolution also for contained shower events ( 2 degrees). Together with its geographical location, this makes ANTARES an excellent tool to test for the presence of cosmic sources in the Southern Hemisphere and in particular the area around the Galactic Centre, where IceCube reports a slight excess. In this contribution, we present a search for cosmic neutrino sources in the ANTARES data taken from early 2007 until the end of 2013. Such sources are identified as a cluster of events in the combined track and shower channels. As a follow-up to the already presented all-flavour full-sky and candidate list searches, we now focus on a restricted region around the Galactic Centre. Different spectral indices for the neutrino energy spectrum have been investigated as well as possible extended sources.