

# Search for AGN populations with the ANTARES neutrino telescope

*Wednesday, September 14, 2016 2:20 PM (15 minutes)*

We use a two point correlation analysis to look for inhomogeneities in the arrival directions of the high energy muon neutrino candidates detected by the ANTARES neutrino telescope. This approach is complementary to a point source likelihood-based search, which is mainly sensitive to single point like sources and not to collective effects. We present the results of a search based on this two point correlation method performed on ANTARES 2007-2015 data, providing constraints on models of a population of Active Galactic Nuclei (AGN) too faint to be detected by the likelihood-based method.

## Summary

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

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