

The 21st International Workshop on Neutrinos from Accelerators
(NUFACT2019)

Contribution ID: 137

Type: **Oral Presentation**

Sterile Neutrino Searches with IceCube

Friday, August 30, 2019 5:15 PM (25 minutes)

The IceCube neutrino observatory is a cubic km neutrino telescope located at the geographic South Pole and can detect neutrinos with energies up to a few PeV. DeepCore is an infill array of the IceCube Neutrino Observatory that lowers the detectable energies of neutrinos to as low as 5 GeV. This wide range of atmospheric neutrinos allow for a broad range of particle physics, from measuring standard neutrino oscillations to probing BSM physics. In this talk I will discuss two different methods to search for sterile neutrinos utilizing the IceCube detector.

Working Group

WG5 : Neutrinos Beyond PMNS

Primary author: HIGNIGHT, Joshua

Presenter: HIGNIGHT, Joshua

Session Classification: Working Group 1+5