

## Results from IceCube

*Monday 26 August 2013 08:30 (30 minutes)*

IceCube has been taken more than 3 years of data in its almost-full (79 strings) and full 86 string configuration. This talk will discuss recent results from the IceCube neutrino observatory with focus on a data set that shows first evidence for a population of very high energy neutrinos (100+ TeV) that cannot easily be explained by atmospheric neutrino background and may represent the first evidence for a population of high-energy neutrinos of extraterrestrial origin. These findings are based on an event sample with well contained vertices and additional suppression of downgoing atmospheric neutrino background. The results will be discussed and compared to the current status of analyses based on through-going muons and other contained event searches.

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**Session Classification:** Plenary