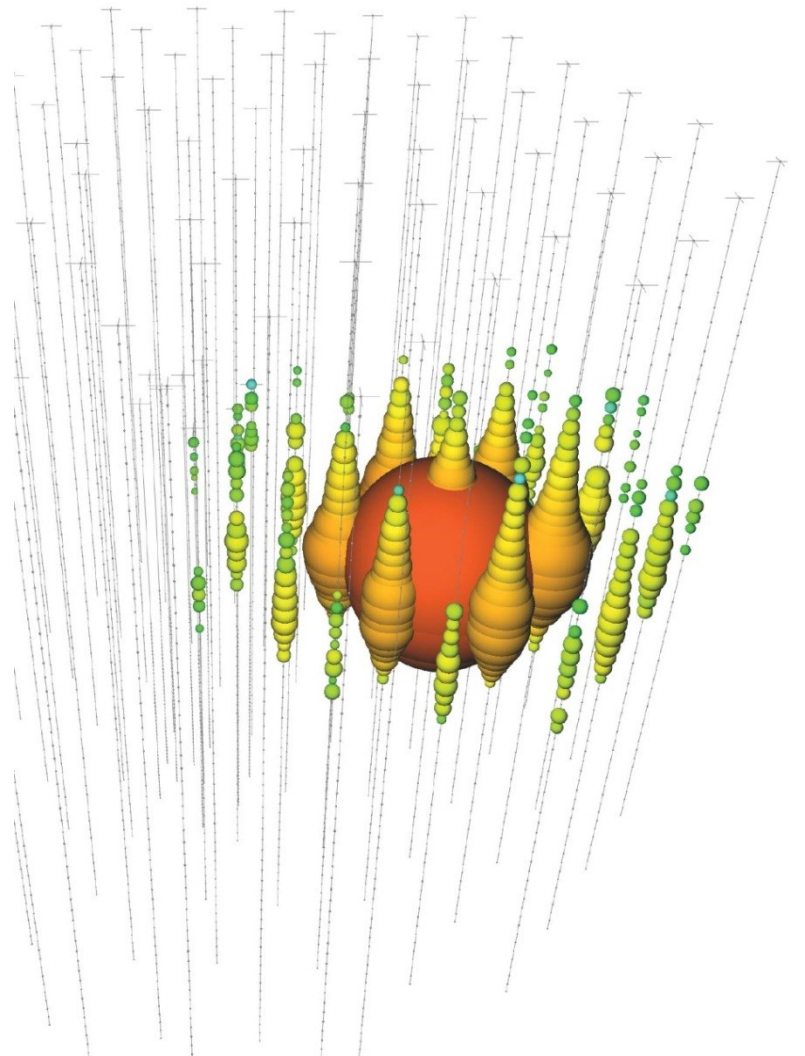


The dawn of neutrino astronomy: implications from the first IceCube detection.

Julia Tjus (Univ. Bochum)

Tuesday, 20 May 2014, 16:45 h
Bldg. 2a / sem. room 2

Recently, the IceCube collaboration announced a first hint of a signal of astrophysical neutrinos. These first 28 events mark the dawn of neutrino astronomy and future measurements will make it possible to identify the sources and energy spectrum of the astrophysical neutrino flux. This talk will focus on the interpretation of these first results and discuss what can already now be derived from the observations. Further, it will be shown how and with what pieces of information future detections in the upcoming years can help to exclude sources classes and finally identify sources of cosmic rays.



- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**