



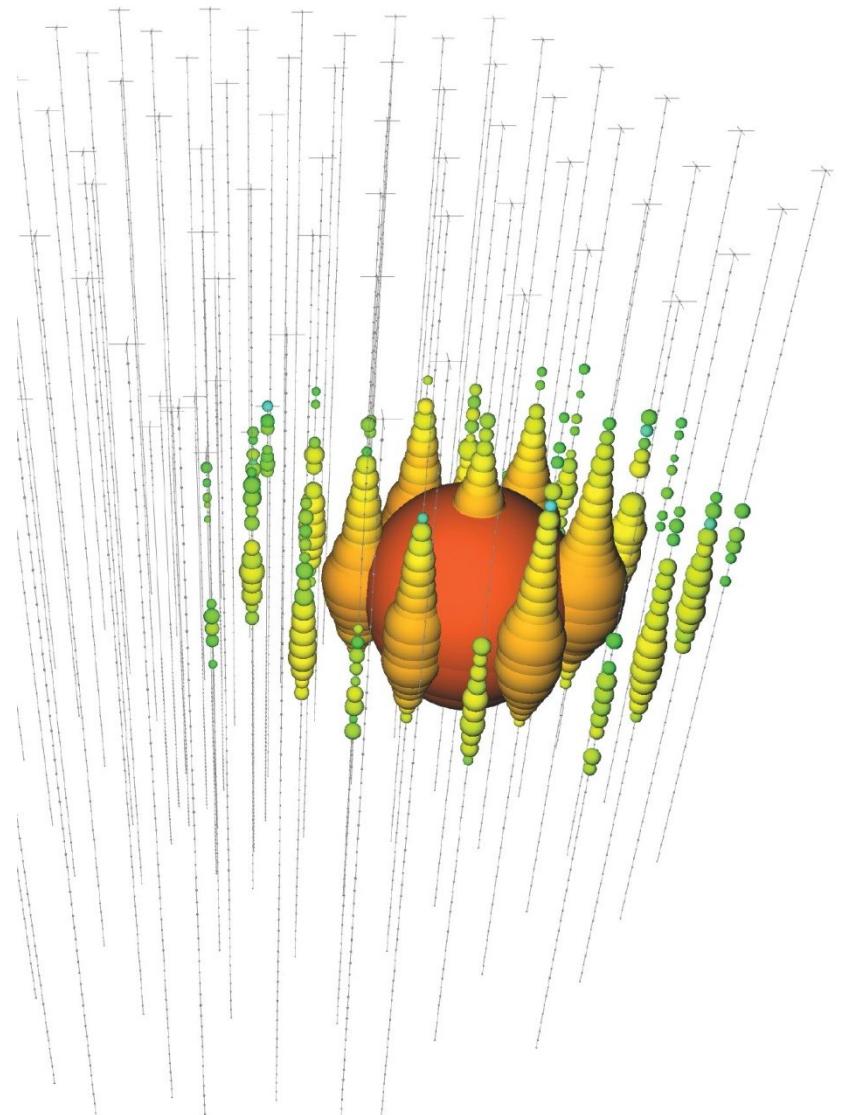
IceCube: The beginning of a new era in neutrino astrophysics.

Markus Ackermann (DESY)

Tuesday, 17 September 2013, 16:45 h
Auditorium

40 years after the concept of high-energy neutrino telescopes has been devised, IceCube has found for the first time a strong evidence for neutrinos of astrophysical origin. Moreover, with its surface array and densely instrumented core the IceCube observatory is a multi-purpose instrument for studying cosmic rays, fundamental neutrino properties, and searches for beyond-the-standard-model particles.

I will summarize important recent results obtained from the analysis of IceCube data with the focus on the description of the evidence for astrophysical neutrinos that has been found. Further, a short outlook on future plans to extend the unique science infrastructure of the IceCube observatory is presented.



- **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**