

IceCube and the High Energy Neutrinos from Space

The IceCube Neutrino Observatory at the South Pole, Antarctica, enables the study of a wide range of topics including: neutrino astronomy, neutrino oscillations, dark matter searches, and cosmic ray physics. Recently IceCube announced the long-awaited discovery of high energy cosmic neutrinos. These have energies nearly a billion times greater than neutrinos from the sun and supernovae. I will review what we currently have measured, and what we hope to learn about this new flux in the near future with incoming data and the next generation of neutrino telescopes.