

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Observation of UHE Cosmic Rays from a Balloon-borne Neutrino Telescope STEPHEN HOOVER, UCLA, ANITA COLLABORATION — The ANtarctic Impulsive Transient Antenna (ANITA) is a balloon-borne array of radio antennas designed to detect coherent radio Cherenkov radiation from ultra-high energy (UHE) neutrino-induced particle showers in the Antarctic ice sheet. The first flight of ANITA has produced limits on the UHE neutrino flux, and analysis of data from the second flight is underway. I will describe the neutrino search in ANITA-1 data and concurrent observations of geosynchrotron radio emissions from UHE cosmic ray extensive air showers.

Stephen Hoover
UCLA

Date submitted: 23 Oct 2009

Electronic form version 1.4