

Abstract Submitted
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Introducing ANITA STEPHEN HOOVER, UCLA, ANITA COLLABORATION — The Antarctic Impulsive Transient Antenna (ANITA) is a long duration balloon experiment built to detect radio Cherenkov emissions from > 3 EeV cosmogenic neutrinos that interact in the Antarctic ice sheet. A known source of these neutrinos is provided by the GZK effect, in which ultra-high energy (> 10 EeV) cosmic rays interact with the cosmic microwave background. The instrument uses 32 quad-ridged horn antennas to observe the ice from an altitude of 120,000 feet. ANITA successfully completed its first flight in winter 2006-2007, spending a total of 36 days in the air. Data from this flight will be shown.

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