

Abstract Submitted  
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**The Search for Ultra High-Energy Neutrinos With The ANITA Experiment** ABIGAIL VIEREGG, UCLA, ANITA COLLABORATION — The ANITA (ANtartic Impulsive Transient Antenna) experiment is an innovative balloon-borne radio telescope, designed to detect coherent Cherenkov emission from cosmogenic ultra high-energy neutrinos with energy greater than  $10^{18}$  eV. The second flight of the ANITA experiment launched on December 21<sup>st</sup> 2008, and collected data for 30 days. This large data set allows for the most sensitive investigation into the exciting GZK (Greisin-Zatsepin-Kuzmin) neutrino flux regime to date. I will present the status of the first pass analysis of the ANITA-II data set. I will discuss calibration techniques, analysis methods, and background rejection.

Abigail Viereg  
UCLA

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