

New Results from the ANITA Search for Ultra-High Energy Neutrinos

The ANITA (ANtarctic 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 21st, 2008, and collected data for 30 days. This new data set allows for the most sensitive investigation to date of GZK neutrino flux models, which offer the exciting possibility of independently revealing the sources of the highest energy cosmic rays. I will present results of the analysis of the ANITA-II data set, and discuss calibration techniques, analysis methods, and background rejection.

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