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Particle Astrophysics with the ANITA Long Duration Balloon Payload (20' + 5')

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The Antarctic Impulsive Transient Antenna (ANITA) payload has now completed its third flight, and is preparing for a fourth flight later this year. ANITA is sensitive to impulsive radio emission from the Askaryan effect in neutrino-initiated cascades within the Antarctic ice sheet, and to geomagnetically-induced radio pulses from cosmic-ray initiated air showers. We report on results from ongoing analysis of data from the three prior flights, and plans for the next flight later this year.

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Session Classification: Joint Neutrino Physics & Astro-particle Physics and Cosmology

Track Classification: Astro-particle Physics and Cosmology