

Abstract Submitted
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The Outlook for ANITA-II ABIGAIL GOODHUE, University of California Los Angeles, ANITA COLLABORATION — The Antarctic Impulsive Transient Antenna (ANITA) is a long duration balloon experiment built for the radio detection of ultra high energy cosmogenic neutrinos that interact in the Antarctic ice sheet. After the success of the first flight of ANITA in the 2006-2007 Antarctic season, we are preparing for ANITA-II, an upgraded instrument and payload that will fly in the 2008-2009 season. Planned improvements include new front-end signal chain components, new trigger logic, and the addition of eight drop-down antennas to the payload. These upgrades together with a favorable flight path would increase the sensitivity of ANITA by several factors.

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