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Results from the ANITA search for Ultra-High Energy Neutrinos and Cosmic Rays using the Radio detection technique¹

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ANITA is a balloon-borne radio telescope flown on Long Duration Balloons in Antarctica. The payload looks for Ultra-high energy cosmic neutrinos striking the ice via their emission of radio-Cherenkov radiation. I will present the results of our neutrino searches in the data from ANITA's two full flights. In a different polarization, ANITA observes the radio emission of extensive air showers via their radio emission in the atmosphere below the payload. I will present evidence for these events being induced by cosmic rays and discuss their properties.

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