Ultra High Energy Cosmic Rays 2018



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In-ice radio arrays for the detection of ultra-high energy neutrinos

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Radio techniques show the most promise for measuring and characterizing

the astrophysical neutrino flux above about 10¹ eV. Complementary strategies include observing a target volume from a distance and deploying sensors in the target volume itself. I will focus on the current status of experiments utilizing the latter strategy, in-ice radio arrays. I will give an overview of results from the past fifteen years of experience and the status of developing plans for the future. I will preview what we might expect from in-ice arrays in terms of astrophysics and particle physics results in the next ten years

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