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Status of the RICE and preparations for next generation radio neutrino experiments in Antarctica

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The RICE experiment on detection of UHE neutrinos has been running over a decade. The experiment comprises an array of radio antennas buried in ice to the depth of up to 300 meters near the geographic South Pole, and is designed to observe neutrino interactions in ice employing the radio Cherenkov technique. We discuss RICE limits on the diffuse UHE neutrino flux. We also present studies of ice properties performed by the radio group of Icecube as well as first technical results from the recently funded ARA experiment.

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