

Abstract Submitted  
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**Search for Extremely High Energy Neutrinos with AMANDA-II** LISA GERHARDT, University of California, Irvine, AMANDA COLLABORATION — AMANDA-II is a large volume neutrino telescope, designed to measure the energetic neutrino flux from astrophysical sources. A search for neutrinos exceeding 1 PeV has been performed using data collected by AMANDA-II in 2000. At these energies, the Earth is opaque to neutrinos. This, combined with the limited overburden above the detector, concentrates the expected signal at the horizon. A method of separating signal from the background of high energy downward going air showers has been developed and the results are discussed.

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