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**The Search for Neutrinos from Gamma-Ray Bursts with AMANDA** KYLER KUEHN, University of California-Irvine, AMANDA COLLABORATION, INTERPLANETARY NETWORK COLLABORATION — The second stage of the Antarctic Muon and Neutrino Detector Array (AMANDA-II), has been searching for signals from atmospheric and astrophysical neutrinos since February of 2000. High energy phenomena such as gamma-ray bursts (GRBs) are among the most promising potential sources of such astrophysical neutrinos; by correlating observations with other ground- and satellite-based detectors, AMANDA is able to engage in nearly background-free searches for neutrinos from several dozen GRBs every year. We present here the results of the search for GRBs from 2000-2003, which includes many of the bursts localized by the InterPlanetary Network of satellites. We also present a comparison of observational results to prominent theories of GRB neutrino emission, and the status of future GRB searches is briefly described.

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