

## The Antarctic Muon And Neutrino Detector Array

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AMANDA-II, the complete 19-string AMANDA detector has been taking data since 2000. (Fig. 1.) Analysis of these earlier data has resulted in a number of publications on topics such as the diffuse high-energy neutrino flux, limits on point sources, searches for Gamma Ray Bursters, and Weakly Interacting Massive Particles. Articles describing the detector itself have also appeared.

These articles are listed here.

"Search for Extraterrestrial Point Sources of Neutrinos with AMANDA-II" Phys. Rev. Letts. 92, 071102 (2004)

"Limits on Diffuse Fluxes of High Energy Extraterrestrial Neutrinos with the AMANDA-B10 Detector" J. Ahrens et al. Phys. Rev. Lett. 90, 251101 (2003)

"Muon Track Reconstruction and Data Selection Techniques in AMANDA" Accepted for publication in Nuclear Instruments and Methods, Sept 03

"Search for Neutrino-Induced Cascades with the AMANDA Detector" J. Ahrens, et al. Phys. Rev. D67, (2003) 012003

"Search for Point Sources of High Energy Neutrinos with AMANDA" J. Ahrens, et al., Ap.J., 583(2003)1040

"Observation of high energy atmospheric neutrinos with the Antarctic muon and neutrino detector array" Phys. Rev. D 66(2002) 012005

"Limits to the muon flux from WIMP annihilation in the center of the Earth with the AMANDA detector" J. Ahrens et al. Phys. Rev. D, 66(2002) 032006

"Results from AMANDA" C. Wiebusch, et al. Mod. Phys. Lett. A17(2002)2019

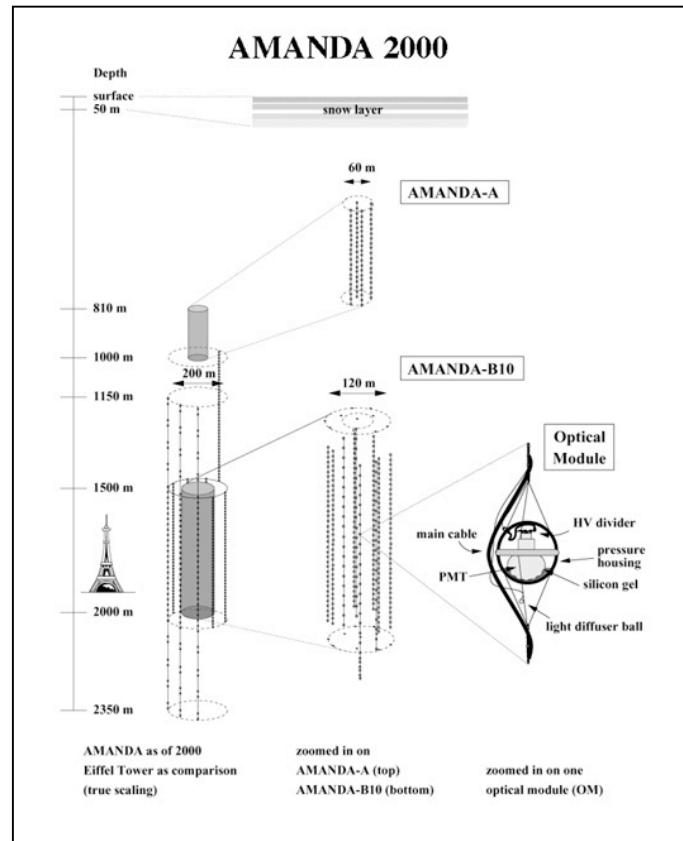


Fig. 1. The final configuration of the AMANDA detector at the South Pole.