THE PERFORMANCE OF THE AMANDA-II 19 STRING ARRAY

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The AMANDA II array has been operating with 19 strings since February 2000. The 9 strings on the outer ring use a new technique transmitting analog signals over multimode optical fibers. This technology provides higher bandwidth, superior signal quality and greater dynamic range in amplitude of PMT signals. The design and performance characteristics of the new optical technique are discussed. The larger geometry of the array, 200m in diameter, improves the effective area by about a factor of 3 over the 10-string array. At zenith angles close to the horizon, even greater improvement is achieved. The angular resolution and background rejection of the array are presented. First results of data analysis are given.