

LIMITS ON THE TEV FLUX OF DIFFUSE GAMMA RAYS AS MEASURED WITH THE HEGRA AIR SHOWER ARRAYS

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The data taken during two years with the extended array of Cherenkov detectors and the array of scintillation counters of the HEGRA experiment at La Palma are evaluated to determine upper limits on the flux of diffuse gamma rays. Limits are given for the energy region between 20 TeV and 110 TeV, for the Galactic disk and for the angular range accessible to the experiment.