

ENERGY SPECTRA OF TEV SOURCES MEASURED WITH THE DURHAM MARK 6 TELESCOPE

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Simulations of the response of the Durham Mark 6 atmospheric Cherenkov telescope have been made using various air shower simulation codes (MOCCA, CORSIKA etc.). Comparisons are made between the different software and real data. The effective collection area is derived as a function of energy. The retention factor for gamma rays showers implied by the selection criteria applied to the observational data is included. On the basis of this work the fluxes and energy spectra of those TeV sources which have given a positive signal, such as the AGN PKS 2155–304 are derived.