

ATMOSPHERIC SENSING FOR GROUND-BASED GAMMA-RAY TELESCOPES

K.-M. Aye (1), P. M. Chadwick (1), M. K. Daniel (1), T. J. L. McComb (1), J. M. McKenny (1), S. J. Nolan (1), K. J. Orford (1), J. L. Osborne (1) and S. M. Rayner (1)

(1) Department of Physics, Science Laboratories, University of Durham, Durham, DH1 3LE, UK..

t.j.l.mccomb@durham.ac.uk/Fax: +44 191 3747190

The atmospheric Cherenkov technique is unique in that the atmosphere is an integral part of the detector. A realistic goal for the next generation of telescopes is to make energy assignments and flux determinations to better than 10%. We discuss the requirements for atmospheric monitoring that will be necessary to achieve this and look forward to how these requirements can be implemented.