

THE PROPAGATION OF ULTRA-HIGH ENERGY COSMIC RAYS

T. Wibig (1) and A. W. Wolfendale (2)

(1) Department of Experimental Physics, University of Łódź; Cosmic Ray Laboratory, The Andrzej Soltan Institute for Nuclear Studies, Łódź 1, P.O.Box 447, Poland, (2) Physics Department, University of Durham, UK.

wibig@zpk.u.lodz.pl/Fax: (+ 48 42) 678 6431

Extra-galactic Cosmic Rays propagate through a variety of radiation and magnetic fields and interact in various ways. An analysis is given of the expected spectra and mass compositions at Earth for a variety of assumptions as to the characteristics of the particles on production.