

TORI AND TEV GAMMA-RAY EMISSION IN AGN

A.-C.DONEA and R.J.Protheroe
University of Adelaide, Australia

The absorption of TeV gamma-rays in AGN by photon-photon pair production on infrared radiation from a torus at temperature ~ 1000 K with dimension ~ 1 pc surrounding the accretion disk/base of jet was discussed by Protheroe and Biermann (Astropart. Phys., 6, 293, 1997). Here we briefly review the evidence for the existence of dusty infrared tori in blazars, and construct torus models consistent with infrared and optical polarimetry data. We use these models to constrain the sites of emission of TeV gamma rays.