

ANGULAR RESOLUTION OF PACHMARHI ARRAY OF CERENKOV TELESCOPES

P.Majumdar, B.S.Acharya, P.N.Bhat, V.R.Chitnis, M.A.Rahman, B.B.Singh and P.R.Vishwanath

Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005, India..

pratik@tifr.res.in/Fax: 091-22-215 2110

The Pachmarhi Array of Čerenkov Telescopes (PACT) is used to sample the Čerenkov Photon showers. The shower front is fitted to a plane and the direction of arrival of primary particle is obtained. The accuracy in the estimation of the arrival direction of showers has been estimated to be $\sim 0^\circ.1$ using 'split' array method. The absolute pointing accuracy of PACT is derived using Monte Carlo simulations.