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On pulsed emission of TeV gamma rays from Crab Pulsar

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Abstract content

We have observed Crab pulsar in the TeV energy band using the Pachmarhi Array of Cherenkov Telescopes for about 90 hours. Our observations span about 6 year period from 2000 to 2006. We have analysed our data with using TEMPO package for analysing pulsar data. We have searched for evidence of pulsed emission of gamma rays from crab pulsar using the contemporaneous radio pulsar parameters. We do not see any evidence for the pulsed emission at a threshold energy of 825 GeV. We present our results on the light curve in the TeV energy band and set an upper limit on the time averaged flux of TeV gamma rays.

If this papers is presented for a collaboration, please specify the collaboration

PACT

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 671-674

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