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Observations of the Crab Nebula with the Whipple 10 m Telescope

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Abstract content

The Crab nebula was observed with the Whipple 10 m telescope from September 2000 to March 2006 for a total exposure of nearly 200 hours. Standard calibration and gamma-ray reconstruction methods applied to Whipple 10 m data are described in detail. Measurements of the total and yearly Crab nebula flux and energy spectrum are compared with recent results from Cherenkov telescope systems. Contributing factors are discussed for the >20% systematic error in flux estimation. The long-term performance is presented, relevant to the ongoing TeV blazar monitoring campaign with the Whipple 10 m.

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

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Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, 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 691-694

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