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Crab nebula spectrum as seen by H.E.S.S.

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Abstract content

The H.E.S.S. stereoscopic Cherenkov telescope system has observed the Crab nebula since January 2004 with the complete four telescope array. The stable signal from this pulsar wind nebula (PWN) has been used to verify the performance and calibration of the instrument because of its high flux compared to the H.E.S.S. sensitivity. These observations allow us also to study the radiation mechanisms of this PWN, in particular by focusing to the high energy part of its energy spectrum, where gamma-ray emission at energies above 50 TeV has been detected.

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

H.E.S.S. collaboration

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 803-806

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