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Observations of 3c279 with the MAGIC telescope

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Abstract content

The high luminosity blazar 3c279 has been discovered by the EGRET instrument on board the CGRO. Later, intensive simultaneous monitoring of this object was done in low energy gamma rays, X-rays and optical to probe crucial questions regarding the emission mechanism and structure of jets. However, no ground based VHE gamma ray experiment has been able to detect a signal from it due to its high redshift and the high energy threshold of these experiments. MAGIC is currently the only running Cerenkov experiment which has a high sensitivity at low energy thresholds (~ 100 GeV). Observation of 3c279 was carried out by MAGIC in the first 2 years of its scientific operation. We present the results of this observation and discuss the implications of our results in the light of various models.

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

MAGIC Collaboration

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. 3 (OG part 2), pages 1045-1048

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