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MAGIC upper limits on the high energy emission from GRBs

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Abstract content

During its first observation cycle, between April 2005 and March 2006, the MAGIC telescope was able to observe nine different GRB events since their early beginning. Other observations have been performed during the following months in its second observation cycle. The observations, with an energy threshold spanning from 80 to 200 GeV, did not reveal any gamma-ray emission. The computed upper limits are compatible with a power law extrapolation, where intrinsic fluxes are evaluated taking into account the attenuation due to the scattering in the Metagalactic Radiation Field (MRF).

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 1131-1134

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