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Search for gamma-ray emission from Unidentified EGRET sources Located in the Cygnus Region with the MAGIC Telescope

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Abstract content

Many of the unidentified Egret sources are believed to be young pulsars. Such young not-identified pulsars should be surrounded by pulsar wind nebulae which are at present well established TeV gamma-ray sources (like Vela X, MSH 15-52 and G0.9+0.1). Moreover, other type of gamma-ray sources are likely, i.e. binary systems, molecular clouds, supernovae remnants, massive stars. The Milagro experiment has recently reported a gamma-ray source above ~ 12 TeV in the Cygnus region, MGRO J2019+37, which is spatially coincident with the EGRET sources 3EG J2021+3716 / 3EG J2016+3657. Here we present the results of a search for gamma-ray emission between about 100 GeV and about 10 TeV with the MAGIC telescope from these sources.

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. 2 (OG part 1), pages 649-652

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