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The Central Pixel of the MAGIC Telescope for Optical Observations

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Abstract content

The MAGIC telescope has been designed for the observation of the Cherenkov light generated in Extensive Air Showers. However, its 17 m. diameter and optical design makes it suitable for optical observations as well. In this contribution, we describe the final set-up and performance of a system installed at the center of the MAGIC camera (the central pixel) and based on the use of a dedicated photo-multiplier for optical observations. The system is fully integrated in the MAGIC telescope and allows optical and gamma ray concurrent observations. Results on the routine detection of Crab optical pulsation will also be presented.

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'Olive, 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 1477-1480

Primary author(s) : Dr. LUCARELLI, Fabrizio (Università "La Sapienza", Roma); Dr. BARRIO, Juan Abel (Universidad Complutense de Madrid)

Co-author(s) : Ms. DE LOS REYES, Raquel (Universidad Complutense de Madrid); Mr. FIRPO, Roger (Institut de Física d'Altes Energies, Barcelona); Dr. SIDRO, Nuria (Institut de Física d'Altes Energies, Barcelona); Dr. GOEBEL, Florian (Max-Planck-Institut für Physik, Munich); Mr. OTTE, Nepomuk (Max-Planck-Institut für Physik, Munich); Mr. ANTORANZ, Pedro (Universidad Complutense de Madrid); Mr. ASENSIO, Mariano (Universidad Politécnica de Madrid); Mr. CAMARA, Miguel (Universidad Complutense de Madrid); Dr. CONTRERAS, José Luis (Universidad Complutense de Madrid); Prof. FONSECA, María Victoria (Universidad Complutense de Madrid); Dr. LÓPEZ, Marcos (Universidad Complutense de Madrid); Dr. MIRANDA, José Miguel (Universidad Complutense de Madrid); Mr. OYA, Igor (Universidad Complutense de Madrid)

Presenter(s) : Prof. FONSECA, María Victoria (Universidad Complutense de Madrid)

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