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PMT Characterization for MAGIC II Telescope

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Abstract content

MAGIC, a 17m diameter Cherenkov telescope located at the La Palma Canary island, is the biggest IACT (Imaging Atmospheric Cherenkov Telescope) in the world. For lowering the energy threshold and improving the sensitivity, the MAGIC collaboration is going to build a second telescope (MAGIC II), using a better sensitivity of Photomultipliers(PMT). Variety of measurements about different characteristics of PMT, such as single photoelectron spectrum(SPE), afterpulse, aging and photoelectron detection were performed in MPI, Munich. These results from selected PMT candidates of different companies will be presented here.

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 1507-1510

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