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Electromagnetic and muon primary discrimination from underground scintillator signatures

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Abstract content

We discuss discrimination techniques and their quantitative efficiency that allow the separation of high energy electron/photon and muon primaries originated in cosmic ray extensive air showers impinging the ground. The experimental setup used in this study is detailed elsewhere in this volume (Sanchez et al.). Several approaches are analyzed, including track timing, footprint characterization and neural networks.

If this papers is presented for a collaboration, please specify the 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. 5 (HE part 2), pages 1175-1178

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