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Maximum Definable Momentum in MINOS

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Abstract content

A magnetic detector such as MINOS which is measuring the sign of muons has to deal with issues of bending, which depend on the magnetic field configuration, and multiple scattering, which depends on the amount of material which is traversed. Above some momentum which depends on these factors, the momentum cannot be resolved. Issues related to measurement of the muon charge ratio in the MINOS toroidal detector will be discussed.

If this papers is presented for a collaboration, please specify the collaboration

MINOS

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 1225-1228

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