Contribution ID : **630** Type : **Oral**

Interpretation of the muon charge ratio in MINOS

Thursday, 5 July 2007 08:42 (0:12)

Abstract content

MINOS is the first large magnetic detector deep underground and is the first to measure the muon charge ratio with high statistics in the region near 1 TeV. An approximate formula for the muon charge ratio can be expressed in terms of epsilon_pi = 115 Gev, epsilon_K = 850 GeV and E_mu times cosine theta-zenith. The implications for K production in the atmosphere 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 1221-1224

Primary author(s) : Dr. GOODMAN, Maury (Argonne)

Presenter(s) : Dr. GOODMAN, Maury (Argonne)

Session Classification : HE 2.1

Track Classification : HE.2.1