30th International Cosmic Ray Conference



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MINOS atmospheric neutrino contained events

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Abstract content

The Main Injector Neutrino Oscillation Search (MINOS) experiment has continued to collect atmospheric neutrino events while doing a precision measurement of NuMI beam nu_mu disappearance oscillations. The 5.4 kton iron calorimeter is magnetized to provide the unique capability of discriminating between nu_mu and nu_mu_bar interactions on an event-by-event basis and has been collecting atmospheric neutrino data since July 2003. An analysis of the neutrino events with interaction vertices contained inside the detector will be presented.

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 1327-1330

Primary author(s): Prof. HABIG, Alec (University of Minnesota Duluth)

Presenter(s): Prof. HABIG, Alec (University of Minnesota Duluth)

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