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Observations of Deficits in the Deep Underground Muon Flux from the Direction of Extra-Terrestrial Objects

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Abstract content

The 5.4 kT MINOS Far Detector (Fardet) has accumulated 45 million cosmic-ray induced muon tracks since it began operation in 2003. An analysis of the muon flux in the direction of the Moon and Sun, which both obscure a circular disc of similar radius as viewed from Earth, have revealed statistically significant deficits. The shadow of the moon has been used to establish the alignment and resolution of the Fardet for cosmic ray analysis.

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

The MINOS Collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, 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 1237-1240

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