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Two-dimensional observation on TeV Cosmic-ray solar diurnal variation using the Tibet Air Shower Array

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Abstract content

The two-dimensional solar diurnal variation of the galactic cosmic-ray intensity is measured in TeV energy range using data taken from Tibet III air shower array (Nov.1999-Nov.2005). The variation are consistent with the Compton- Getting anisotropy due to the terrestrial orbital motion around the sun in the high energy (12TeV) data sample;while an additional variation is observed in the low energy (3TeV) data sample.

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

Tibet AS-Gamma 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. 1 (SH), pages 577-580

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