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Modulation of Proton Fluxes at ~5 AU during the Largest SEP Events of 2005

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Abstract content

The Ulysses spacecraft was close to the ecliptic at ~5 AU during the periods of enhanced solar activity in January and September 2005. The KET/Ulysses instrument registers a flux of cosmic ray protons within 5-2000 MeV, fluxes have been disturbed more than three solar rotations during the considered period. We find two periods of 27 days, when disturbances from the active region have been bounded by a pair of recurrent flow, in the event of January 2005, but three such periods in the event of September 2005. We will consider modulation effects on galactic and solar cosmic rays under these conditions.

If this papers is presented for a collaboration, please specify the 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 131-134

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