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Voyager 1 and 2 Observations of Energetic Particles near the Solar Wind Termination Shock

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Abstract content

Voyager 1 (V1) continues to explore the heliosheath after crossing the solar wind termination shock on 16 December 2004. Voyager 2 (V2) is observing termination shock particles (TSPs) and may cross the shock at any time. The source of the classic anomalous cosmic rays (ACRs) is still under debate as it was not located at the shock where V1 crossed (~34 N heliolatitude). The ACR spectrum at V2 is very similar to that observed at V1 just as it crossed the shock, suggesting that the source spectrum of ACRs will not be observed at the V2 crossing site (~27 S) either. We will report on the latest observations from these two spacecraft in an ongoing effort to solve one of the major puzzles of V1's termination shock crossing.

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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 831-834

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