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Comparing the ENA data to Voyager 1 ion measurements in the heliosheath: the puzzle of the H/He ratio

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Abstract content

A comparison of the energetic neutral atom observations by CELIAS/HSTOF with the Voyager 1 measurements of the termination shock particles in the heliosheath shows that the ENA hydrogen flux is consistent with Voyager 1 data. On the other hand, the ENA He flux is much higher than expected from the helium ion fluxes measured by Voyager 1. We discuss possible explanations and implications of this result.

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 63-66

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