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Isotopic composition of cosmic ray sources

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Abstract content

We use the GALPROP code and the ACE data to derive the cosmic ray isotopic composition at the sources. The composition is derived for two propagation models, diffusive reacceleration and plain diffusion. We show that the compositions derived assuming different propagation models are different. We also compare the isotopic composition at the sources with the latest solar composition. This may provide a clue to the origin of low energy cosmic rays and their acceleration time scale.

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. 2 (OG part 1), pages 129-132

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