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Analysis of cosmic ray data from regular balloon experiments and Voyager-1 spacecraft

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Abstract content

The joint analysis of experimental data on cosmic ray fluxes measured in the stratosphere at 1 a.u. and measured by Voyager - 1 spacecraft at the different distances from the Earth is made. The relationship between cosmic ray fluxes in the stratosphere and interplanetary magnetic field strength are used to get cosmic ray flux outside the modulation region. The evaluation of the modulation region size as a function of energy of cosmic rays is presented.

If this paper 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 819-822

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