



Contribution ID : 1147

Type : Oral

On the relative role of drift and convection-diffusion effects in the long-term CR variations on the basis of NM and satellite data

Monday, 9 July 2007 12:41 (0:12)

Abstract content

In the first part of paper on the basis of NM data for about 4 solar cycles we investigate hysteresis effects, and separate convection-diffusion and drift modulations in the suggestion that for NM data primary CR energies the diffusion time lag may be neglected. Then we determine the relative role of drift and convection-diffusion effects in the long-term CR variations. In the second part we solve the same problem but for small energy galactic CR on the basis of satellite data; in this case we take into account also the diffusion time lag.

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'Olive, 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 537-540

Primary author(s) : Prof. DORMAN, Lev (Israel Cosmic Ray and Space Weather Center, Tel Aviv University)

Presenter(s) : Prof. DORMAN, Lev (Israel Cosmic Ray and Space Weather Center, Tel Aviv University)

Session Classification : SH 3.2

Track Classification : SH.3.2