



Contribution ID : 994

Type : Oral

Energy dependence of normalized cumulative particle fluences at different heliospheric radii

Thursday, 5 July 2007 09:06 (0:12)

Abstract content

Normalized cumulative particle fluence plots are very useful for characterizing the variability of interplanetary suprathermal and energetic particle fluxes on various time scales. For some applications it is practicable to describe the deviations of annual fluence plots from straight lines by a single parameter (the Kolmogorov or K parameter), and then check the dependence of that parameter on solar cycle phase or on energy. A check on how the K parameter varies with heliocentric distance will now also be discussed. Some data from Helios, various 1 AU spacecraft, Ulysses, and the Voyagers will be invoked. It will also be examined how the K parameter changes when the baseline period is shorter or longer than 1 year. Comparison with some alternative one-parameter descriptions will also be discussed.

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 171-174

Primary author(s) : KIRÁLY, Péter (KFKI Research Institute for Particle and Nuclear Research)

Presenter(s) : KIRÁLY, Péter (KFKI Research Institute for Particle and Nuclear Research)

Session Classification : SH 1.5, SH 1.6

Track Classification : SH.1.6