Contribution ID : **642** Type : **Oral**

Observed galactic cosmic ray 11- year modulation for cycle 23.

Monday, 9 July 2007 12:17 (0:12)

Abstract content

We present a preliminary study of the observed 11-year modulation of galactic cosmic rays for cycle 23. The detectors selected for the analyses have a track record of stable operations and have median rigidities of response (Rm) covering a wide range of GCR spectrum. Some of the observed features depend upon Rm while others are independent of it. The detectors are located at different global sites and on IMP-8 satellite. The onset of modulation occurred at the earth's orbit following a number of coronal mass ejections in April- May 1998, as an active region moved across the solar disc from the east to the west limb. The recovery is not complete yet. We examine the characteristics of the observed modulation thus far and compare it with those seen for previous cycles at comparable stages of development. Our results are discussed at length.

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 493-496

Primary author(s) : Prof. AHLUWALIA, Harjit (University of New Mexico)

Co-author(s) : Mr. YGBUHAY, Roger (University of New Mexico)

Presenter(s) : Prof. AHLUWALIA, Harjit (University of New Mexico)

Session Classification : SH 3.2

Track Classification : SH.3.2