Contribution ID : **245** Type : **Poster**

Rapid cosmic ray fluctuations in real-time during the SEP events in December 2006

Wednesday, 4 July 2007 14:45 (0:00)

Abstract content

Cosmic ray fluctuations with the periods less than 3 h by data of the EPAM/LEMS120 aboard ACE spacecraft are studied. It is shown that the frequency spectra of cosmic rays undergo significant dynamic changes caused by the presence of fast magnetosonic waves in the solar wind. Evidences of generation of fast magnetosonic waves by the SEP fluxes have been found.

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 135-138

Primary author(s) : Dr. STARODUBTSEV, Sergey (Yu.G. Shafer Institute of Cosmophysical Research and Aeronomy SB RAS, Yakutsk, Russia)

Co-author(s) : Mr. GRIGORYEV, Alexander (Yu.G. Shafer Institute of Cosmophysical Research and Aeronomy SB RAS, Yakutsk, Russia); Dr. USOSKIN, Ilya (Sodankyla Geophysical Observatory (Oulu Unit), University of Oulu, Finland); Prof. MURSULA, Kalevi (Department of Physical Sciences, University of Oulu, Finland)

Presenter(s) : Dr. STARODUBTSEV, Sergey (Yu.G. Shafer Institute of Cosmophysical Research and Aeronomy SB RAS, Yakutsk, Russia)

Session Classification : Posters 1 + Coffee

Track Classification : SH.1.6