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On the relation of cosmic ray fluxes with solar activity parameters

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Abstract content

The relationship of long-term cosmic ray modulation with solar activity parameters such as sunspot group number, their average heliolatitude, tilt of current sheet, and solar magnetic field strength is analyzed. The period of 1957 - present time is under consideration. We have used cosmic ray data obtained in the atmosphere at polar and middle latitudes and the neutron monitor data. It is shown that there is a negative trend of the cosmic ray flux observed.

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 481-484

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