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Characteristic Features of the 11-Year Cycle in Cosmic Ray Data*

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Abstract content

Past works suggest the existence of several periodicities in comic ray data. Nevertheless, the reliability of the obtained periods is not often faced. In this paper, neutron monitor and IMP data were analysed by using the Fast Fourier Transform and Wavelet techniques to determine the reliability of each identified medium- and long-term periodicity. Moreover, their relevance is analysed along the solar cycle evolution to better understand their role in the 11-year cosmic ray cycle.

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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 513-516

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