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Time-delayed cross-correlations for inner and outer heliospheric energetic particle fluxes

Abstract content

Acceleration and propagation histories of suprathermal and energetic particles reaching a spacecraft at a given time depend on various factors. While acceleration at or near the Sun is often plausible in the inner heliosphere, other sources are known to contribute as well. The expected dispersion features for different energies are not always seen in flux increases. Dispersion of upstream particles probably coming from the vicinity of the termination shock are of particular interest. We shall discuss the time-delayed correlations of fluxes (and of log fluxes) of different energy channels of both inner and outer heliospheric spacecraft, from Helios to Voyager.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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