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The Quasi-Biennial Oscillation of 1.7 years in Ground Level Enhancement Events

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HIGHLIGHTS

- We study the synchronization between GLE, GCR and SFI
- We used the wavelet analysis to investigate the periodic behavior of SFI, GLE and GCR, for solar cycles 20-24.
- We find that last 57 GLE events reported, occur in the positive phase of 1.7-year
- GLE events show that occur only in a specific phase of a very particular oscillation.
- We suggested that GLE events are not a result of purely stochastic processes.

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