

LONG TERM BEHAVIOUR OF TRIDIURNAL VARIATIONS OF COSMIC RAY INTENSITY ON QUIET DAYS.

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Abbreviation used

1. QD – Quietest Days
2. CR – Cosmic ray intensity

The cosmic ray (CR) intensity data recorded with Deep River Neutron Monitoring Station have been investigated on 60 quietest days (QD) in a year for studying the variation in tridiurnal anisotropy during sola cycle 21 and 22. It has been observed that inspite of the abrupt change in the amplitude and phase of tridiurnal anisotropy in CR intensity, the amplitude is quite significant throughout the period of investigation with larger amplitude during the year 1980 and 1985. The tridiurnal anisotropy of CR intensity shows clearly long term variation. i.e., 11 year variation at mid latitude station.