



Contribution ID : 94

Type : **Poster**

Study of Third Harmonics of Cosmic Ray Intensity on Quiet Days at Goose Bay Station

Monday, 9 July 2007 14:45 (0:00)

Abstract content

The cosmic ray (CR) intensity data record with Goose bay Neutron Monitoring Station have been investigated on 60 quietest days (QD) in a year for studying the variation in tri-diurnal anisotropy during solar cycle 21 and 22. It has been observed that in spite of abrupt change in the amplitude and phase of tri-diurnal anisotropy in CR intensity, the amplitude is quite significance throughout period of investigation with small amplitude during 1981 and 1990. Further, the phase a shift to earlier hours during 1990-91 showing the dependence on the polarity of solar magnetic field, which is attribute to drift effect. Thus , the tri-diurnal anisotropy clearly shows 11 year type variation at mid latitude neutron monitoring station.

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

Summary

Reference

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Session Classification : Posters 3 + Coffee

Track Classification : SH.3.2