



Contribution ID: 23

Type: **Poster contribution**

Effect of solar Poloidal magnetic field reversal on tri-diurnal anisotropy of cosmic ray intensity on quiet days.

Tuesday, 4 August 2015 16:00 (1 hour)

The tri-diurnal and quart diurnal anisotropy of cosmic ray intensity have been investigated during the solar cycle 21-22 using the neutron monitor data recorded at different latitudes on sixty geomagnetically quiet days in a year. It has been observed that in spite of the abrupt changes in the amplitude and phase of tri-diurnal and quart diurnal anisotropy in cosmic ray intensity, the phase of tri-diurnal anisotropy shifted to earlier / later hours during the reversal period 1990-91 and 1979-80 showing the dependence on the polarity of solar magnetic field, which is attributed to drift effect at mid latitude neutron monitoring stations. Further, no systematic change have been noticed in the amplitude and phase of quart-diurnal anisotropy of daily variation in quiet days.

Collaboration

– not specified –

Registration number following "ICRC2015-I"

25

Primary author: Dr RICHHARIA, Mahendra Kumar (Govt. Model Science College, Jabalpur, (M.P.), India)

Presenter: Dr RICHHARIA, Mahendra Kumar (Govt. Model Science College, Jabalpur, (M.P.), India)

Session Classification: Poster 3 SH

Track Classification: SH-TH