

## **STUDY OF TRI DIURNAL ANISOTROPY OF COSMIC RAY INTENSITY ON QUIET DAYS AT EQUATORIAL STATION**

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### **Abbreviations used**

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

The cosmic ray intensity (CR) data recorded with Equatorial Neutron Monitoring stations located at different latitudes has been investigated on sixty quietest days (QD) in a year for studying the variation in tri-diurnal anisotropy during the solar cycle twenty one and twenty two. It is observed that the amplitude of third harmonics of daily variation on QD is larger by a factory of two during the period nineteen eighty three and nineteen eighty six i.e., the declining phase of solar cycle twenty one as it is observed eleven years ago i.e., declining phase of solar cycle twenty, at equatorial station. Thus, eleven year variation in the tri-diurnal anisotropy of cosmic ray intensity has been observed by the Equatorial Neutron Monitoring stations during different phase of solar activity.

To,

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Subject:- An application regarding submission of abstract.

Dear Sir,

I am sending herewith the abstract of the following research paper for favour of your consideration for the presentation at 27<sup>th</sup>, International Cosmic Ray Conference to be held at your renowned Institute from 07-15 August 2001.

	TITLE	AUTHORS
1.	Study of tri diurnal anisotropy of cosmic ray intensity on quiet days at equatorial station	M. K. Richharia.

An early response regarding the acceptance and mode of presentation of the paper will help a lot in procuring the part of the financial assistance at this end. **Wishing A very Happy and Prosperous New Year.**

Thanking you very much for your consideration and response.  
Your Sincerely,

Dr. M.K. Richharia

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