## 30th International Cosmic Ray Conference



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# Chaos of Cosmic ray energy time series

#### Abstract content

The time variation of the chaotic feature of the energy series of cosmic rays shows a periodic behaviour with the rotation of the earth. The periods are 1.0day and 1.3day. The energy series of cosmic rays are evaluated by the formula of Nishimura-Kamata-Greissen. The chaotic feature is found by the correlation dimension analysis and Lyapnov exponent analysis. The periods mean that the chaotic series cosmic rays arrive from definite directions.

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

Large Area Air Shower Group

## **Summary**

#### Reference

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