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## **Long-term relationship between cosmic ray intensity and solar wind velocity**

### **Abstract content**

A systematic study has been performed to derive a relationship between cosmic ray intensity variation and solar wind velocity. Pressure and temperature corrected Kiel neutron Monitor data have been used to study the isotropic variation of cosmic ray intensity during the period 1986 to 2006. It has been found that cosmic ray intensity shows significant changes with various associated solar and interplanetary parameters. Correlative analysis between monthly mean values of cosmic ray intensity with solar wind velocity has clearly shown a significant relationship between them. Coronal holes and geomagnetic disturbance index Ap data have also been used to high light the variational pattern of cosmic ray intensity on long-term basis

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### **Summary**

### **Reference**

**Primary author(s) :** Dr. TIWARI, Chandra Mani (Dept. of Physics, APS University, Rewa MP, India)

**Co-author(s) :** Prof. TIWARI, Dada Prasad (Dept. of Physics, APS University, Rewa MP, India); Mrs. PANDEY, Chandra Prabha (Dept. of Physics, APS University, Rewa MP, India); Prof. RASTOGI, Vinod Kumar (Department of Physics, Ch. Charan Singh University, Meerut (U.P.), India); Prof. SHRIVASTAVA, Pankaj Kumar (Department of Physics, Govt. Model Science College, Rewa (M.P) 486001, India)

**Presenter(s) :** Dr. TIWARI, Chandra Mani (Dept. of Physics, APS University, Rewa MP, India)

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