

# **Study of Forbush Decrease of May 2005 in reference to geomagnetic parameters**

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Transient and rapid decrease in cosmic ray intensity followed by a slow recovery is called Forbush Decrease (FD) in cosmic ray intensity. A large FD has been recorded by ground based Neutron Monitor at Oulu during the minimum phase of solar cycle 23. The onset of FD took place on May 13, 2005 and attained its maximum on May 15. An attempt has been made to understand the probable causes, which have contributed for the occurrence for this large FD. The effect of variation in different parameters such as sunspot numbers, solar flare and Coronal Mass Ejection (CME) on the FD and its recovery phase has been investigated. It has been observed that in spite of the declining phase of solar cycle, the period under investigation is full of large solar activities.