

## **HIGH ALTITUDE NEUTRON MONITOR FLUCTUATIONS AND ITS RELATION TO SOLAR**

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In this work we make a comparative study of the cosmic ray fluctuations observed in neutron monitors installed at mountain altitudes around the world during the years 1990-1999. The period comprises most of solar cycle 22 and the beginning of cycle 23. Evolution of the solar modulation rigidity dependence, a spectral study of fluctuations and an analysis of the rigidity dependence of the onset of modulation cycle 23 are presented. We have also done spectral calculations for several parameters indicative of solar and interplanetary medium activity in search for the solar origin and interplanetary signatures of the observed cosmic ray fluctuations.