

THE POWER SPECTRUM OF THE HIGH COUNTING-RATE NEUTRON MONITOR DATA OBSERVED AT TIBET.

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A high counting-rate neutron monitor has been installed at Yangbajing in Tibet, China, since Oct. 1998 (Geographic coordinate: Lat. 30.11N and Lon. 90.53E, Altitude: 4300m, Geomagnetic cut-off rigidity: 14.1GV). The counting-rate of this neutron monitor (28 NM-64) is as high as 1.07×10^7 counts per hour. Thus, the present station belongs to one of the highest counting-rate neutron monitor stations in the world. A power spectral analysis of the neutron monitor data has been made for the two-year-period from Oct. 1998 to Sep. 2000, near the solar maximum. The changes of the power spectrum of the neutron time series has been examined in various time scales including shorter time intervals. We will report some features of the power spectrum of this neutron monitor data obtained by the present analysis.