

**POWER SPECTRA OF COSMIC RAY INTENSITY FOR YEARS OF
SOLAR ACTIVITY
MINIMUM AND MAXIMUM**

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The cosmic ray power spectra in the low-frequency range (2.3×10^{-8} Hz to 6×10^{-6} Hz) during the epoch 1964-1995 was carried out over a wide range of particle rigidities. Our spectral analysis for the periods of solar activity maximum and minimum displayed different behaviors. The spectral density of cosmic rays showed peaks of varying amplitude with the solar rotation period and its harmonics due to the different mean rigidity response. Spectral power is higher for solar cycle 20 than for 22. Also, the first three harmonics of the solar rotation period (27-, 13.5- and 9-days) are well defined for even cycles. There is higher power density during $qA < 0$ epoch than during $qA > 0$ epoch.