

GALACTIC COSMIC RAY MODULATIONS FOR FOUR SOLAR ACTIVITY CYCLES

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The cosmic ray particles are affected by the electromagnetic disturbances while transporting from galactic space to the Earth. The data obtained with a variety of detectors on Earth and located at different global sites, are examined. We discuss solar cycle 22 in comparison with previous cycles. Principle characteristics of cosmic ray variations as given by ground-based observations were examined. Very similar of cosmic ray intensity modulations observed at different neutron monitors. The solar activity cycle 22 is the second most active cycle.