

Solar modulation of galactic cosmic-ray anisotropy observed by the Tibet II air shower array at ~10TeV

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We analyze the sidereal daily variation (SDV) of galactic cosmic-ray intensity observed by the Tibet II air-shower array during three years between October 1995 and August 1999. We found the magnitude of observed SDV showing a significant seasonal change with an amplitude exceeding 50% of the average SDV. This implies the influence of large-scale solar magnetic field on the propagation of charged particles in the heliosphere.