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Sub- and multi-TeV cosmic ray anisotropy and the Tibet Air shower experiment

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The Tibet Air Shower (AS) experiment has successfully observed the sidereal anisotropy of multi-TeV cosmic ray intensity, while the long-term two-hemisphere observations with underground muon detectors in Japan and Australia have reported the sidereal anisotropy of sub-TeV cosmic rays and its solar modulation. The Tibet Air Shower (AS) experiment also succeeded for the first time in observing influences of the solar magnetic field on the Sun's shadow. This paper will present a brief review of these observations and discuss those physical implications.

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