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Heliospheric Boundary and the TeV Cosmic Ray Cosmic Ray Anisotropy

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The observation of a small but significant anisotropy in the cosmic ray distribution on Earth as a function of energy has initiated a series of discussions on the effects of particle propagation across the local interstellar magnetized medium. The sudden topological change of the anisotropy above 100 TeV particle energy, seems to hint to a heliospheric scenario. A discussion on the effects of the heliosphere on cosmic ray transport with energy in excess of about 10 TeV is presented. Such effect may be responsible of the topological transition of the anisotropy and of some small scale features.

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