



Persistence of small-scale anisotropy in magnetospheric turbulence

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The anisotropy of magnetic field turbulence is investigated by using Cluster measurements in three regions ? solar wind, foreshock and magnetosheath behind a quasi-parallel bow shock. We study the scaling behaviour of the complete high-order moment tensors of magnetic field increments and we compare the usual longitudinal structure functions which have both isotropic and anisotropic contributions to the fully anisotropic contribution. Scaling exponents which have been extracted by an interpolation scaling function are compatible with Hall MHD. Unlike the usual turbulence in fluid flows where the return-to-isotropy is observed at dissipative scales, small-scale magnetic fluctuations remain strongly anisotropic.