

Abstract Submitted
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Scale-dependent anisotropy in gyrokinetic turbulence ANJOR KANEKAR, WILLIAM DORLAND, University of Maryland, College Park — Eddies in Alfvénic turbulence get progressively more anisotropic with respect to the *local* magnetic field. This has been recently observed in a gyrokinetic simulation [Howes et. al., PRL, 107:035004:2011, TenBarge & Howes, eprint arXiv:1201.0056]. However, the nature of cascade for slow modes in an Alfvénic turbulent bath is still unclear. We present theory and numerical results from AstroGK exploring the nature of this cascade.

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