

I4.010 Plasma turbulence in the interstellar medium

Thursday, 11 July 2019 09:00 (35 minutes)

See the full abstract here <http://ocs.ciemat.es/EPS2019ABS/pdf/I4.010.pdf>

The interstellar medium is a multi-phase, magnetized, and highly turbulent medium. In this talk, I will address both theoretical and observational aspects of interstellar turbulence. In the first, theoretical part of the talk, I will discuss the sources of turbulence, the properties of the turbulent cascade, the dissipation mechanisms, and the role played by turbulence in the interstellar medium. In the second, observational part of the talk, I will review the main diagnostics of interstellar turbulence, with emphasis on radio wave propagation effects.

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