

JOINT TUFTS/MIT COSMOLOGY SEMINAR

The Asymmetric Universe

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There are some evidences for a hemispherical asymmetry at very large scales on CMB, as indicated by Planck collaboration. In this talk, I will focus on what theoretical lessons we can learn from this observation. Specifically, I will discuss the long mode modulation as a possibility of explaining this asymmetry and point out some general remarks on this idea, such as a consistency condition between the generated hemispherical asymmetry and the non-Gaussianity. Finally, I will discuss how the CMB polarization data can shed light on the original source of the asymmetry.

Tuesday, February 23, 2016, 2:30 pm
Cosman Seminar Room
Center for Theoretical Physics
Building 6C, Room 6C-442
Massachusetts Institute of Technology
Refreshments at 2:00 in the same room