

# Cosmological implications of Lorentz violation

*Tuesday, March 10, 2015 2:00 PM (45 minutes)*

Recent approaches to quantum gravity suggest abandoning Lorentz invariance as a fundamental symmetry of Nature. This introduces new gapless degrees of freedom in the gravity sector. I will review the consequences for cosmology of the minimal set-up and present the constraints from different observations. If I have time, I'll briefly comment on the successful merging of these ideas with massive gravity.

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