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Constraining dark matter with small-scale structure formation

Wednesday, 27 July 2016 11:15 (15 minutes)

Summary

Observations from both the local and the high-redshift universe can be used to test the nature of dark matter. I will discuss several astrophysical probes (dwarf galaxy counts, Lyman-alpha forest, ..) and their constraining power on different dark matter scenarios (such as warm, mixed, and interacting dark matter).

Based on (arXiv number)

1601.07553, 1412.2133

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Session Classification: Cosmological Probes of Dark Matter

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