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Michael Boylan-Kolchin (U of Texas, Austin): Testing Dark Matter Models with Dwarf Galaxies

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Dwarf galaxies are among the best laboratories for exploring the nature of dark matter: their high dark matter content, coupled with the large number of dwarfs in close proximity to us, enable a variety of tests that are not possible with other astrophysical systems. I will discuss our efforts to understand unique signatures of both standard cold dark matter and various alternatives (including warm, self-interacting, and ultra-light axion dark matter) with high-resolution cosmological simulations of dwarf galaxies.

Presenter: BOYLAN-KOLCHIN, Mike (U. of Texas at Austin)

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