

Opportunities for Dark Matter Searches in Cosmology

Monday, 6 May 2024 17:00 (30 minutes)

Cosmological and astrophysical observations provide a unique opportunity to probe the fundamental properties of dark matter. Dark matter interactions with the Standard Model of particle physics, for example, can alter predictions from the standard cosmological model, permitting robust tests of new dark matter physics. In this talk, I will describe the impact that dark matter interactions have on the CMB and structure formation and show how observational data can constrain broad classes of dark matter models.

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