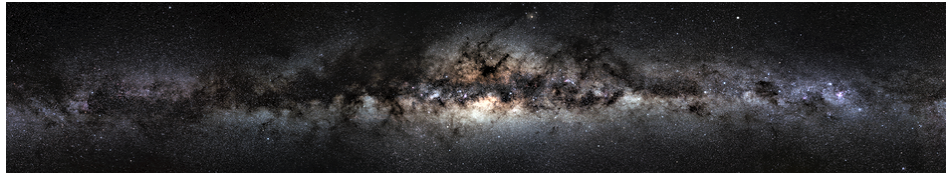


Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves



Contribution ID: 23

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Dark Matter Production in the Backdrop of Unusual Cosmologies

Wednesday 8 December 2021 10:10 (40 minutes)

The abundance of dark matter is a key piece of information that informs any fundamental theory aiming to describe its properties. However, mapping this measurement onto the parameters of the underlying theory relies on the cosmology at early times, which is itself not well-anchored by observation. I will describe a few ways in which the properties of the Universe at early times could deviate from our expectations, and explore how they would influence the parameter space of dark matter models that one would infer as a result.

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