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Using Cosmological Data to study Dark Matter Interactions with Radiation

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Despite the large number of dedicated experiments, an understanding of the particle nature of dark matter and direct evidence for its existence have remained elusive. However, detection methods generally assume that dark matter consists of cold, massive particles. In this talk, I will discuss how cosmological data from the CMB and Large-Scale Structure can be used to study dark matter interactions with radiation in a model-independent framework.

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