

Cosmological Measurements of Massive Light Relics

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An intriguing and well-motivated possibility for the particle makeup of the dark sector is that a small fraction of the observed abundance is made up of light, feebly-interacting particle species. Due to their weakness of interaction but comparatively large number abundance, cosmological datasets are particularly powerful tools to leverage here. In this talk I discuss the impact of these new particle species on observables, the CMB and LSS in particular, and present the strongest constraints to date on existence light relics in our universe.

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