

Astrophysical and Cosmological Searches for Axions

Monday, 27 August 2018 11:30 (30 minutes)

Axions span a vast parameter space, from axion inflation at the GUT scale, to axion dark energy at the Hubble scale. In between lie the benchmark models of the QCD axion, and “fuzzy dark matter”. Remarkably, vast swathes of this parameter space can be probed. I will review a mixed bag of such constraints and searches, with a focus on cosmology. I will also briefly discuss exciting new ideas in axion direct detection.

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Session Classification: Plenary Session