

Cosmology of heavy quarks in preferred axion models

Friday, 11 October 2024 14:30 (30 minutes)

I will discuss the cosmological impact of the heavy fermions that are often invoked in axion models that solve the strong CP problem. These additional fermions can lead to phases of early matter domination which would alter the predicted mass for axion dark matter as well as contributing to additional relativistic degrees of freedom which can be constrained by measurements of the Cosmic Microwave Background.

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