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Majoron echoes of Leptogenesis

Thursday 16 May 2024 15:15 (15 minutes)

In this talk, we look at some consequences of Majorons in the singlet Majoron model. We explore a scenario where the Majoron acts as Dark matter, while simultaneously baryon asymmetry being generated through leptogenesis, and Neutrino masses generated through type I seesaw mechanism. We explore the consequences of Majoron freeze-in production through a relatively unexplored channel of production. We also look at some scenarios where leptogenesis occurs and neutrino masses are generated, but Majorons are unstable on cosmological time scales, giving rise to different phenomenology.

Mini Symposia (Invited Talks Only)

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