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Lepton flavor violation and DM constraints in a radiative seesaw model

Tuesday 29 August 2023 16:30 (15 minutes)

We study the phenomenological properties of the three-loop radiative seesaw model proposed by Krauss, Nasri, and Trodden. In this model, the tininess of the neutrino masses and there is a dark matter candidate. We show constraints on the parameter space of this model by mainly considering the DM relic density, the lepton flavour violation constraints, and neutrino oscillation data.
We also discuss the possibility of baryogenesis via leptogenesis.
This presentation is mainly based on Phys. Rev. D 105, 095018 (2022) and 2211.10059.

Submitted on behalf of a Collaboration?

No

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