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On leptogenesis in the minimal flipped SU(5) model

Tuesday 29 August 2023 16:15 (15 minutes)

We discuss thermal leptogenesis in the framework of the flipped SU(5) unification model, where the Majorana masses of neutrinos are generated through Witten's two-loop mechanism.
Our analysis shows that this model is compatible with the current experimental constraints on both the neutrino sector and observed baryon asymmetry. Moreover, it indicates an upper (and lower) limit on the absolute light neutrino mass scale and constrains the possible proton decay branching ratios.

Submitted on behalf of a Collaboration?

No

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