

# Relaxing Cosmological Constraints on the Minimal $U(1)_{L_\mu - L_\tau}$ Model with One-Loop Corrections

Monday, 16 February 2026 16:40 (20 minutes)

Recently, Ref.-\cite{...} showed that the minimal gauged  $U(1)_{L_\mu - L_\tau}$  model is constrained by cosmological bounds on the sum of neutrino masses.

In this work, we compute the one-loop corrections to the neutrino mass matrix in this model and examine whether these cosmological constraints can be relaxed.

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**Session Classification:** parallel session A: Cosmo