

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.

Presenter: MIYAMOTO, Jun

Session Classification: parallel session A: Cosmo