

Resonant Leptogenesis and Collider Signals from Discrete Flavor and CP Symmetries

Thursday 20 May 2021 14:45 (15 minutes)

In this talk, I'll discuss about the production of baryon asymmetry through resonant leptogenesis and phenomenological signatures of type-I seesaw scenario with a flavour and a CP symmetry that strongly constrain lepton mixing angles, and both low- and high-energy CP phases. I'll specially focus on the effect of these symmetries on the collider signals in minimal $U(1)_{B-L}$ model and effective neutrino mass ($m_{\beta\beta}$) in neutrinoless double beta decay ($0\nu\beta\beta$), while also requiring production of the experimentally observed baryon asymmetry (η_B).

Author: CHAUHAN, Garv (Washington University in St. Louis)

Co-author: DEV, Bhupal (Washington University in St. Louis)

Presenter: CHAUHAN, Garv (Washington University in St. Louis)

Session Classification: Collider BSM