

LFV and dark sector searches at Belle (II) experiment

Monday, 12 September 2022 13:00 (1 hour)

Final states with tau leptons at the Belle (II) experiment are a very promising test ground to search for lepton flavor violation and dark sector candidates. Recent searches for lepton flavor violation and dark sector candidates with data collected by the Belle (II) are presented. Future projections of expected sensitivity are also discussed. Beam polarization upgrade at SuperKEKB/Belle (II) can further enhance the sensitivity for these searches. Such searches will either discover new physics or strongly constrain several new physics models.

Presenter: SWAGATO, Banerjee (University of Louisville, Kentucky, USA)