

New physics in Neutrinoless double beta decay

Monday 25 August 2025 18:00 (20 minutes)

In this talk, I will mainly discuss the neutrinoless double beta decay within some specific neutrino models such as type-I seesaw mechanism or the Left-Right Symmetric Model, focusing on three critical aspects: (1) the enhancement or suppression of neutrinoless double beta decay rate in specific parameter spaces of new physics (NP) degrees of freedom, (2) constraints on NP parameters from current and future neutrinoless double beta decay experiments, and (3) the impact of nuclear matrix element (NME) uncertainties on interpreting these constraints.

Collaboration you are representing

Author: 朱, 景宇

Presenter: 朱, 景宇

Session Classification: Neutrino Physics and Astrophysics

Track Classification: Neutrino Physics and Astrophysics