

Heavy Majorana Neutrino Phenomenology in the Inverse Seesaw

Friday, 28 August 2015 16:30 (25 minutes)

Within low scale seesaw mechanism, in contrast to standard type-I seesaw, one can get compatible with data light neutrinos with the addition of low scale heavy Majorana neutrinos that can still have large Yukawa couplings, leading to new potentially interesting phenomenology. Taking the Inverse Seesaw model as an explicit realization of this kind of models, we study different aspects of this phenomenology, including processes with Lepton Flavor Violation and possible signal at the LHC. We also comment on the enhanced LFV rates in the SUSY version of this model.

Primary authors: WEILAND, Cedric (IFT UAM/CSIC); ARGANDA, Ernesto (Universidad de Zaragoza); MARCANO, Xabier (IFT-UAM/CSIC); HERRERO, maria (Universidad Autonoma de Madrid)

Presenter: MARCANO, Xabier (IFT-UAM/CSIC)

Session Classification: Flavor Violation

Track Classification: Flavor Violation Theory and Experiment