

## Lepton Flavor Violation in the SM with general Dimension-6 Operators

*Friday, October 31, 2014 12:30 PM (20 minutes)*

I will talk about lepton flavor observables in the charged lepton sector in the general extension of the Standard Model, where possible New Physics effects are parametrized by the dimension-5 and -6 operators constructed from the SM fields. I will discuss the radiative lepton flavor violating decays  $\ell_i \rightarrow \ell_j \gamma$  as well as closely related charged lepton electric dipole moment and anomalous magnetic moments. We will also discuss the three body charged lepton flavor violating decay at the tree level and the  $Z^0$  decays into pair of leptons of different flavors.

**Author:** Ms NAJJARI, Saereh (University of Warsaw)

**Co-authors:** Dr CRIVELLIN, Andreas (University of Bern); Prof. ROSIEK, Janusz (University of Warsaw)

**Presenter:** Ms NAJJARI, Saereh (University of Warsaw)

**Session Classification:** Young Investigator Talks