

## Charged LFV in a low-scale seesaw mSUGRA model

*Thursday 14 April 2011 10:15 (25 minutes)*

We investigate the influence of the boundary conditions of minimal supergravity (mSUGRA) on the supersymmetric mechanism for lepton flavour violation (LFV) proposed recently [1], within the framework of the MSSM extended by TeV-scale singlet heavy neutrinos. We find that the consideration of the mSUGRA boundary condition may increase the branching ratios of the muon and tauon decaying into three charged leptons by up to a factor of 5, whereas the corresponding branching ratio for their photonic decays remains almost unchanged.

**Author:** Prof. ILAKOVAC, Amon (Univ. of Zagreb)

**Presenter:** Prof. ILAKOVAC, Amon (Univ. of Zagreb)

**Session Classification:** SUSY 2