

## Abstract

In context of minimal supersymmetric Standard Model, It has been shown, when the mass difference between lightest slepton (the NLSP) and lightest neutralino (LSP) is smaller than tau mass, stau lifetime increases in many order of magnitude with respect to typical lifetime of other SUSY particles. In this talk, we review stau lifetime in this scenario and also we discuss the connection with lepton flavor violation if there is mixing between sleptons.