

Effects of non-holomorphic terms in lepton decays

Lepton Flavor Violation (LFV) is strictly forbidden or extremely suppressed in the Standard Model (SM). Therefore, processes violating lepton flavor can serve as an indirect probe of new physics. In the Minimal Supersymmetric Standard Model (MSSM) LFV effects can appear through the diagonalization of the slepton mass matrix or coming from the Higgs-slepton-slepton vertex. I will present our study of the effects of the non-holomorphic terms on LFV decays. A newly developed calculation method will be shown which allows for systematic expansion of the amplitudes in terms of mass insertions.

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