

Charged lepton flavor violation for a probe to the neutrino masses and their hierarchy

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The standard model of particle physics is far from accounting for mysteries about our universe, –e.g., what is origin of neutrino masses and their hierarchy?– and it must be extended to a more fundamental description of nature. Such new physics models allow Charged Lepton Flavor Violating (CLFV) reactions which are exactly forbidden in the standard model. Hence search for CLFV is a clue to the new physics, which unveil the flavor structure and the symmetries behind it. In this talk, the connections between models for neutrino masses and CLFV processes are reviewed, and relevant experimental progresses are discussed.

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