

Impact of sterile neutrinos on cLFV processes

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If observed, charged lepton flavour violation (cLFV) is a clear sign of new physics. I will briefly review the experimental status of cLFV searches, both at low- and high-energies, as well as the prospects for the upcoming years. I will discuss cLFV in the context of extensions of the SM with sterile neutrinos, with a particular emphasis on low-energy seesaw mechanisms.

In particular, I will talk about the impact of the sterile states on different cLFV processes like three-body decays, nuclear-assisted processes and rare LFV Z decays, among others.

Primary author: DE ROMERI, Valentina (IFIC UV/CSIC)

Presenter: DE ROMERI, Valentina (IFIC UV/CSIC)

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