

Lepton Flavour Violation in Extended Higgs Sectors

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With the discovery of a new boson with a mass around 125 GeV so far compatible with the standard model Higgs, a new era in the understanding of the electroweak symmetry breaking mechanism has started. Searches for lepton flavour violating (LFV) effects at the LHC associated to the Higgs sector offer an interesting possibility to test for new physics scenarios.

In this talk, we will consider general two-Higgs-doublet extensions of the Standard Model and explore the constraints from LFV searches at the B factories. Finally, we will discuss the prospects of such analyses at the LHC and at the next generation of flavour factories.

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