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Two-Higgs-doublet models with Minimal Flavour Violation

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The tree-level flavour-changing neutral currents in the two-Higgs-doublet models can be suppressed by protecting the breaking of either flavour or flavour-blind symmetries, but we will show how only the first choice, implemented by the application of the Minimal Flavour Violation hypothesis, is stable under quantum corrections. Moreover, we will discuss the phenomenology of a two-Higgs-doublet model with Minimal Flavour Violation enriched with flavour-blind phases.

Primary author: CARLUCCI, Maria Valentina (Technische Universitaet Muenchen)

Presenter: CARLUCCI, Maria Valentina (Technische Universitaet Muenchen)

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