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Status of Two-Higgs-doublet model with LHC 13 TeV data

The Two-Higgs-doublet model (2HDM) is one of the most studied extensions of the Standard Model. But just as the other popular "New Physics" models, it gets more and more constrained by recent experimental progress, especially by the LHC data. For all four 2HDM types with a softly broken Z2 symmetry, we present updated results of global analyses obtained with the open-source HEPfit code. We emphasize the impact of the LHC run II data.

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