



Contribution ID: 741

Type: **Parallel Talk**

## Two-Higgs-doublet model fits with HEPfit

*Thursday, July 6, 2017 4:45 PM (15 minutes)*

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  $Z_2$  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. Furthermore, we discuss 2HDM’s beyond the conventional  $Z_2$  symmetric types and the status of their implementation in HEPfit.

### Experimental Collaboration

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**Session Classification:** Higgs and new physics

**Track Classification:** Higgs and New Physics