

Phenomenological status of the Aligned Two-Higgs-Doublet model

Thursday, September 25, 2025 11:30 AM (30 minutes)

An updated global fit of the parameter space of the (flavour) Aligned Two-Higgs-Doublet model will be presented, taking into account improved theoretical constraints and recent LHC data. Particular attention will be devoted to the possibility that neutral and charged scalars lighter than the 125 GeV Higgs boson might exist. Sizeable regions of the parameter space remain compatible with all current data.

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