Contribution ID: **43**   Type: **not specified**

Global fits in the Aligned Two-Higgs Doublet model

Tuesday 28 May 2019 16:20 (15 minutes)

We perform a global fit to the most general Aligned Two-Higgs Doublet Model using the open source HEPfit package. The constraints considered include theoretical ones (positivity and perturbativity of the potential), electroweak and Higgs constraints (signal strengths and direct searches) and several flavour observables. The combination of these constraints is used to restrict the value of the scalar masses, the parameters of the potential and the Yukawa couplings.

Primary author: PEÑUELAS, Ana (IFIC)

Co-authors: EBERHARDT, Otto (IFIC-UV(CSIC)); PICH, Antonio (IFIC-UV(CSIC))

Presenter: PEÑUELAS, Ana (IFIC)