

The global electroweak fit and constraints on new physics

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In the global fit of the Standard Model using Gfitter, electroweak precision observables as well as constraints from direct Higgs searches are compared with state-of-the-art electroweak predictions. We use the most recent results for direct Higgs searches, including updates on precision measurements such as M_W and m_{top} from Tevatron and LHC experiments. Moreover, the Gfitter results for the oblique parameters are presented coherently together with constraints on various new physics models, including Little Higgs models, Extra Dimensions, Technicolour and Four Generations.

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