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## Update of the Global Electroweak Fit by Gfitter

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We present the status of the global fit to electroweak precision data. The fit includes the latest available hadron collider measurements of the top-quark and the W-boson masses, as well as newest higher-order theoretical calculations. A large set of numerical and graphical results as well as Standard Model compatibility tests are presented. The global electroweak fit is also used to constrain models of new physics. Among these the Two-Higgs-Doublet model (2HDM) is studied in detail. The constraints on the various 2HDM types from the electroweak precision data are augmented by combining them with the latest Higgs boson coupling measurements and measurements of flavour physics observables.

### Experimental Collaboration

Gfitter Group

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