

## Constraints of new physics theories using Gfitter

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Physics beyond the Standard Model (SM) can change the prediction of the electroweak precision observables. Such effects can be parametrised in terms of effective, so-called oblique parameters. A global fit of the electroweak SM, as recently performed with the Gfitter package, allows one to determine the oblique parameters and to derive constraints on new physics. In this talk, the Gfitter results for the oblique parameters are presented together with constraints on various new physics models.

In addition, we report independent fit results for a model with an extended Higgs sector (2HDM) using mainly observables from the B and K physics sectors and results from fits including Supersymmetric scenarios.

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