

Global constraints on the dimension-6 Standard Model Effective Field Theory

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We derive global constraints on new physics within the framework of the dimension-6 Standard Model Effective Field Theory. Our results include the latest theoretical and experimental updates on the electroweak precision observables, as well as the latest Higgs results from the LHC run 2. We also include in the combination the limits from diboson measurements. The results are presented as limits on the Wilson coefficients of the dimension-6 interactions, discussing the complementarities between the different types of observables. All the results have been obtained using the HEPfit code.

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