

## Constraining new physics effective interactions via a global fit of electroweak, Higgs, top, and flavor observables

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We present results from a global fit of dimension-six SMEFT operators that includes electroweak, Higgs-boson, top-quark, and flavor observables. The leading-order scale dependence of the SMEFT Wilson coefficients is consistently included in the evolution from the UV scale to the electroweak scale and the low-energy scale of flavor observables. In defining the SMEFT set of active operators we consider both the  $U(3)^5$  and the  $U(2)^5$ -symmetric limits. The global fit is obtained within the HEPfit framework and is based on the state-of-the-art of both experimental results and theoretical predictions for all the observables considered.

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