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Global Bayesian analysis of the Higgs couplings

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We perform a global Bayesian fit of the Higgs couplings to the latest experimental data, combining the LHC Higgs data with electroweak precision measurements. We consider an effective Lagrangian for a light Higgs boson, and analyze constraints on the modified Higgs couplings to the SM vector bosons and to the SM fermions. We discuss implications of the fit results for new physics models.

Summary

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