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**Higgs precision physics at the LHC.**

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Precision Higgs-boson physics is central to the physics program of the LHC. Measuring deviations of the Higgs-boson couplings to Standard-Model fermions and gauge boson can provide indirect evidence of new physics and complement direct searches. I will review the LHC Higgs precision program and discuss how it can be used to constrain extensions of the Standard Model.