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Exact top-quark mass dependence in hadronic Higgs production

Friday, May 28, 2021 2:00 PM (20 minutes)

The impact of the finite top-quark mass on the inclusive Higgs production cross section at higher perturbative orders has been an open question for almost three decades. I will report on the computation of this effect at NNLO QCD. This result eliminates one of the main theoretical uncertainties to inclusive Higgs production cross section at the LHC.

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