

Abstract Submitted
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NLO QCD Corrections to Electroweak Higgs Boson Production in Association with Three Jets at the LHC TERRANCE FIGY, Wichita State Univ — In this talk I will discuss the implementation of the next-to-leading order (NLO) perturbative QCD corrections to electroweak Higgs boson plus three jet production at the CERN Large Hadron Collider experiment within the Matchbox framework of the Herwig 7 event generator. Numerical results for integrated cross sections and kinematic distributions will be presented for a fixed-order NLO calculation and for a NLO calculation matched to a parton shower.

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