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Higgs plus Jets with Herwig 7

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NLO Higgs (EW production) matched to parton shower
NLO Higgs gluon-fusion merged at NLO
first steps of uncertainty estimation

Summary

NLO computations in EW Higgs production are complex and usually performed in the VBF approximation. We show results for a full NLO computation for Higgs plus two and three jets. In addition we study the gluon-fusion channel as complementary Higgs production mode.

Author: SCHICHTEL, Peter Paul Ronald (University of Durham (GB))

Presenter: SCHICHTEL, Peter Paul Ronald (University of Durham (GB))

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