



Contribution ID: 92

Type: **parallel talk**

Higgs plus Jets with Herwig 7

Tuesday 10 May 2016 17:15 (15 minutes)

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.

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Session Classification: Tools & QFT