

XXVI International Workshop on Deep Inelastic Scattering and Related Subjects



Contribution ID: 165

Type: **not specified**

NNLO predictions for jets and V+jet at the LHC

Wednesday, April 18, 2018 9:00 AM (30 minutes)

The production of jets and electroweak gauge bosons in association with a jet, V+jet, constitute two important classes of standard-candle processes at the LHC. Owing to the large event rate and the direct sensitivity to the strong coupling constant and the gluon PDF, they provide an ideal testing ground for our understanding of perturbative QCD in a hadron-collider environment.

I give an overview of the recent theory development for these processes and present phenomenological results and their impact on the interpretation of experimental data.

Primary authors: CURRIE, James; GEHRMANN-DE RIDDER, Aude (ETH, Zurich); GEHRMANN, Thomas (Univ. Zurich); GLOVER, Nigel (Durham University); HUSS, Alexander Yohei (CERN); PIRES, Joao (Milano Bicocca); WALKER, Duncan (Durham University)

Presenter: HUSS, Alexander Yohei (CERN)

Session Classification: WG4: Hadronic and Electroweak Observables

Track Classification: WG4: Hadronic and Electroweak Observables