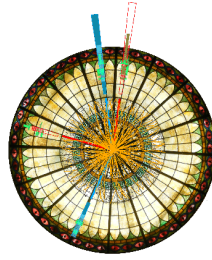


DIS 2015

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Vector boson production in association with jets and heavy flavor quarks with CMS

Wednesday 29 April 2015 18:00 (20 minutes)

The production of vector bosons ($V = W, Z$ or γ) in association with jets is a stringent test of perturbative QCD and is a background process in searches for new physics. Total and differential cross-section measurements of vector bosons produced in association with jets and heavy flavour quarks in proton-proton collisions at the LHC are presented. The measurements are compared to next-to leading order calculations and event simulations that devise matrix element calculations interfaced with parton showers.

Presenter: PERRY, Thomas Mastrianni (University of Wisconsin (US))

Session Classification: WG3+WG5 Joint Session

Track Classification: WG3 Electroweak Physics and Beyond the Standard Model