



Contribution ID: 155

Type: **not specified**

Measurements of vector bosons plus jets production with the ATLAS detector

The production of jets in association with a W or Z boson in proton-proton collisions at 7 TeV study multi-leg QCD diagrams. The cross sections, differential in several kinematics variables, have been measured up to high jet multiplicities and compared to new higher-order QCD calculations. Measurements of vectors bosons in association with heavy flavor, such as W+c and W+b production, have unique sensitivity to the heavy quark density of the proton. Differential cross sections are presented and compared to QCD predictions at NLO.

Author: FERRARI, Pamela (NIKHEF (NL))

Presenter: FERRARI, Pamela (NIKHEF (NL))