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Measurements of W and Z boson production in association with heavy flavor at ATLAS

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The production of W/Z bosons in association with heavy flavor jets or hadrons at the LHC is sensitive to the heavy flavor content of the proton and provides an important test of perturbative QCD. We present the production of Z bosons in association with b-tagged large radius jets. The result highlights issues with modeling of additional hadronic activity and provides distinction between flavor-number schemes used in theoretical predictions. Measurements are compared to the state-of-the-art NLO theoretical calculations.

In-person participation

No

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