

Measurement of the production cross section for W- and Z-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

Measurements of W+jets and Z+jets cross sections (including the case where at least one jet contains a b-hadron) in proton-proton collisions with the ATLAS detector are reported. Cross sections, in both the electron and muon decay modes of the bosons, are presented as a function of jet multiplicity and of the transverse momentum of the leading and next-to-leading jets in the event. Measurements are also presented of the ratios of cross sections. The measured cross sections are compared to particle-level predictions based on higher-order perturbative QCD.

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