

QCD Studies with W and Z Measurements at LHC

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Events containing W or Z bosons, with subsequent leptonic decays, are important channels to test the Standard Model. They will be copiously produced at the Large Hadron Collider (LHC). Identification of these events will probe QCD predictions for the associated production of W or Z bosons with one or more jets and will constrain the parton distribution functions of the proton through measurements such as the W charge asymmetry and the Z/gamma* rapidity distribution. Studies of the prospects for these measurements using the ATLAS and CMS detectors will be presented, with emphasis on the potential for the first years of LHC operation.

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