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## Measurements of the production of W/Z boson in association with (heavy flavour) jets with the ATLAS detector

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The production of jets in association with a W or a Z boson in proton-proton collision is an important process to study QCD in multi-scale environments. Measurements of W/Z boson production in association with heavy flavour quarks provide experimental constraints to improve the theoretical description of these processes, which suffer from larger uncertainties than in the inclusive jet case.

A detailed knowledge of the production of jets associated with electroweak bosons is a key element in the understanding of the Higgs processes, since they represent one of the largest background for these measurements. Results for the differential production cross sections for W/Z+jets in several kinematic physics observables measured by the ATLAS experiment at the centre of mass energy of 13 TeV are presented and compared to high order QCD calculations and recent Monte Carlo simulations.

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