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W+jets and Z+jets cross-section measurements at CMS.

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Measurements are presented of the production of the W and Z boson in association with one or more jets, using 4.9-5.0/fb of CMS data collected at $\sqrt{s}=7\text{TeV}$. Differential cross-section measurements are calculated as a function of several variables, including jet multiplicity, the transverse momentum and pseudorapidity of the jets, and the scalar sum of jet transverse momenta. Measurements of the W+jets process are performed in events with a muon in the final state, and Z+jets measurements are performed in the dimuon and dielectron final states. Measured results are compared with predictions from monte-carlo generators including MadGraph+Pythia, Sherpa1.4 and Sherpa2, and Powheg Box. Comparisons to NLO predictions from Black-Hat+Sherpa are presented for W+jets measurements.

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