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Vector boson + jets measurements at CMS

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The associated production of jets and vector bosons allows for stringent tests of perturbative QCD calculations and is sensitive to the possible presence of new physics beyond the Standard Model. Measurements of jet production rates in association with W, Z or photons, in proton-proton collisions at 7 TeV or 8 TeV center-of-mass energy is presented, using data collected with the CMS detector. Measurements include inclusive jet multiplicity, differential jet cross sections, as well as associated charm- and bottom-quark jet production.

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