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## Jet production in association with vector bosons 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 a 7 TeV center-of-mass energy is presented, using data collected with the CMS detector. In particular, we compare data to the theory predictions on jet rates, dijet invariant mass, angular correlations and event shapes distributions.

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