

# Measurements of the associated production of a vector boson with jets at D0

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Studies of associated production of a W, Z or photon with jets provide important tests of perturbative quantum chromodynamics calculations. A good understanding of such processes is essential in part because they constitute a major background to the production of the standard model Higgs boson in association with a vector boson. Recent measurements of the production of a vector boson plus jets (including heavy-flavor jets) by the D0 experiment are presented. The results are compared to predictions from next-to-leading order calculations and various Monte Carlo event generators.

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