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W/Z+jets Results from D0

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We present several measurements of the differential cross sections for W and Z bosons produced in association with jet(s), using data samples corresponding to integrated luminosities between 1 and 5.4/fb of $p\bar{p}$ collisions collected with the D0 detector. We present differential cross section measurements for $Z/\gamma+jet+X$ relative to the Z/γ transverse momentum, relative to the leading jet transverse momentum and rapidity, relative to the transverse momenta of the second and third jets in the event, and relative to angular difference between the Z/γ and the leading jet. We also present differential cross sections for W production in associations with up to 4 jets and a measurement of the ratio of the inclusive cross sections for the $Z+b$ and $Z+jets$ final states. Measurements are compared to next-to-leading order theoretical predictions and to various event generators.

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