

Measurement of rates of jets produced in association with W and Z bosons with the CMS detector

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We present studies of the associated production of jets with vector bosons in pp collisions at 7-TeV center-of-mass energy at the LHC, based on data recorded by the CMS detector at the LHC in 2010 and 2011. The jet multiplicity distributions are efficiency corrected and unfolded. The studies extend to the measurement of b-jets in association with Z bosons, and of charm-jets in association with W bosons, which bring important information of the b and s-quark densities in the proton at LHC energies.

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