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Vector boson associated with heavy-flavor jets in CMS

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The associated production of vector bosons and jets originating from heavy-flavour (c or b) quarks is a large background source in measurements of other standard model processes, Higgs boson studies, and many searches for physics beyond the standard model. The study of events with a vector boson accompanied by heavy-flavour jets is crucial to refine the theoretical calculations in perturbative QCD, as well as to validate associated Monte Carlo predictions. Differential cross sections are measured as a function of several kinematic observables with the CMS detector.

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Collaboration / Activity

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