

# Vector boson production in association with jets and heavy flavor quarks from CMS (20+10min)

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Accurate modeling of  $V$ +jets is important for many measurements at the LHC.  $W/Z$ +jets is for example a dominant background for precision top quark measurements. After the discovery of the Higgs boson and the beginning of the Higgs precision measurement era, accurate modeling of the background processes is essential. Many searches for physics beyond standard model also rely on precise SM measurements. Another important role of  $V$ +jets measurements is probing different aspects of QCD calculations by testing perturbative QCD in a new energy regime. In this talk recent results on vector bosons, produced with light and heavy jets at CMS, are presented.

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