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Electroweak production of single W and Z bosons at ATLAS and CMS (13' + 2')

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New results on the production of single W bosons with two jets at high invariant mass at a centre-of-mass energy of 8 TeV are presented using data corresponding to 20.3 /fb. Integrated and differential cross sections are measured in many different phase space regions with varying degree of sensitivity to the electroweak production in vector boson fusion and compared to earlier results of electroweak Z boson production. The cross section for the electroweak W boson production has been extracted for both integrated and for the first time differential distributions. The results have also been used to derive limits on anomalous triple gauge couplings.

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