

ATLAS+CMS Preliminary

September 2019

LHC *top* WG

Data 2011, $\sqrt{s} = 7$ TeV, $m_t = 172.5$ GeV
: NLO+NNLL (PRD 82 (2010) 054018)



■ scale \oplus PDF \oplus α_s uncertainty

$\sigma_{tW} \pm (\text{stat.}) \pm (\text{syst.}) \pm (\text{lumi.})$

ATLAS, $L_{\text{int}} = 2.05 \text{ fb}^{-1}$
PLB 716 (2012) 142



$16.8 \pm 2.9 \pm 4.9 \pm 0.6 \text{ pb}$

CMS, $L_{\text{int}} = 4.9 \text{ fb}^{-1}$
PRL 110 (2013) 022003



$16 \pm 3^{+4}_{-2} \pm 1 \text{ pb}$

LHC combined
JHEP 05 (2019) 088



$16.3 \pm 2.3 \pm 3.3 \pm 0.7 \text{ pb}$

