

ATLAS+CMS Preliminary

LHC *top*WG

September 2019

Data 2012, $\sqrt{s} = 8$ 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, $L_{\text{int}} = 20.3 \text{ fb}^{-1}$
JHEP 01 (2016) 064



$23.0 \pm 1.3 \begin{matrix} +3.2 \\ -3.5 \end{matrix} \pm 1.1 \text{ pb}$

CMS, $L_{\text{int}} = 12.2 \text{ fb}^{-1}$
PRL 112 (2014) 231802



$23.4 \pm 1.9 \pm 5.0 \pm 0.6 \text{ pb}$

LHC combined
JHEP 05 (2019) 088



$23.1 \pm 1.1 \pm 3.3 \pm 0.8 \text{ pb}$

