

ATLAS+CMS Preliminary TOPLHCWG

July 2015

Data 2012, $\sqrt{s} = 8$ TeV, $m_t = 172.5$ GeV

..... NLO+NNLL (arXiv:1210.7813)

MSTW2008_{NNLO}

■ scale uncertainty

■ scale \oplus PDF uncertainty

— stat. uncertainty

— total uncertainty

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

ATLAS, $L_{\text{int}} = 20.3 \text{ fb}^{-1}$
ATLAS-CONF-2013-100



$27.2 \pm 2.1 \pm 5.9 \pm 1.0 \text{ pb}$

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



$23.4 \pm 2.0 \pm 4.6 \pm 0.7 \text{ pb}$

LHC combined (July 2015)

ATLAS-CONF-2014-052,
CMS-PAS-TOP-14-009



$25.0 \pm 1.4 \pm 4.4 \pm 0.7 \text{ pb}$

Effect of LHC beam energy uncertainty: 0.38 pb
(not included in the figure)

