

..... NNLO+NNLL (Top++ 2.0), PDF4LHC

$m_{\text{top}} = 172.5$ GeV

■ scale uncertainty

■ scale \oplus PDF \oplus α_s uncertainty

— stat. uncertainty

— total uncertainty

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

ATLAS prel., e/ μ +jets

ATLAS-CONF-2012-149, $L_{\text{int}}=5.8$ fb $^{-1}$

$241 \pm 2 \pm 31 \pm 9$ pb

CMS prel., e/ μ +jets

CMS-PAS TOP-12-006, $L_{\text{int}}=2.8$ fb $^{-1}$

$228 \pm 9^{+29}_{-26} \pm 10$ pb

CMS, e/ μ + τ_h

arXiv:1407.6643, $L_{\text{int}}=19.6$ fb $^{-1}$

$257 \pm 3 \pm 24 \pm 7$ pb

ATLAS, dilepton e μ

arXiv:1406.5375, $L_{\text{int}}=20.3$ fb $^{-1}$

$242.4 \pm 1.7 \pm 5.5 \pm 7.5$ pb

CMS, dilepton (ee, $\mu\mu$, e μ)

JHEP 02 (2014) 024, $L_{\text{int}}=5.3$ fb $^{-1}$

$239.0 \pm 2.1 \pm 11.3 \pm 6.2$ pb

LHC combined e μ (Sep 2014)

CMS-PAS TOP-14-016,

ATLAS-CONF-2014-054,

$L_{\text{int}}=5.3-20.3$ fb $^{-1}$

$241.5 \pm 1.4 \pm 5.7 \pm 6.2$ pb

Effect of LHC beam energy uncertainty: 4.2 pb
(not included in the figure)

