

..... NNLO+NNLL PRL 110 (2013) 252004, PDF4LHC
 $m_{top} = 172.5$ GeV

■ scale uncertainty
 ■ scale \oplus PDF \oplus α_s uncertainty

total stat

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

ATLAS, lepton+jets

PRD 91 (2015) 112013, $L_{int}=20.3 \text{ fb}^{-1}$

$260 \pm 1^{+22}_{-23} \pm 8 \text{ pb}$

CMS prel., lepton+jets

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

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

CMS, lepton+ τ_h

PLB 739 (2014) 23, $L_{int}=19.6 \text{ fb}^{-1}$

$257 \pm 3 \pm 24 \pm 7 \text{ pb}$

ATLAS, dilepton $e\mu$

EPJ C74 (2014) 3109, $L_{int}=20.3 \text{ fb}^{-1}$

$242.4 \pm 1.7 \pm 5.5 \pm 7.5 \text{ pb}$

CMS, dilepton ($ee, \mu\mu, e\mu$)

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

$239.0 \pm 2.1 \pm 11.3 \pm 6.2 \text{ pb}$

LHC combined $e\mu$ (Sep 2014)

ATLAS-CONF-2014-053, CMS-PAS TOP-14-016,
 $L_{int}=5.3\text{-}20.3 \text{ fb}^{-1}$

$241.5 \pm 1.4 \pm 5.7 \pm 6.2 \text{ pb}$

CMS prel., dilepton $e\mu$

CMS-PAS TOP-13-004, $L_{int}=19.7 \text{ fb}^{-1}$

$245.6 \pm 1.3^{+6.6}_{-5.5} \pm 6.5 \text{ pb}$

CMS, all jets

CMS TOP-14-018, $L_{int}=18.4 \text{ fb}^{-1}$

$275.6 \pm 6.1 \pm 37.8 \pm 7.2 \text{ pb}$

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

