

ATLAS+CMS PreliminaryLHC $_{top}$ WG $\sigma_{t\bar{t}}$ summary, $\sqrt{s} = 13$ TeV

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NNLO+NNLL PRL 110 (2013) 252004
 $m_{top} = 172.5$ GeV, $\alpha_s(M_Z) = 0.118 \pm 0.001$
 ■ scale uncertainty
 ■ scale \oplus PDF \oplus α_s uncertainty

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

ATLAS, dilepton $e\mu$ PLB 761 (2016) 136, $L_{int} = 3.2$ fb $^{-1}$ $818 \pm 8 \pm 27 \pm 19$ pb**ATLAS, dilepton $ee/\mu\mu$ ***ATLAS-CONF-2015-049, $L_{int} = 85$ pb $^{-1}$ $749 \pm 57 \pm 79 \pm 74$ pb**ATLAS, $l+jets$ ***ATLAS-CONF-2015-049, $L_{int} = 85$ pb $^{-1}$ $817 \pm 13 \pm 103 \pm 88$ pb**CMS, dilepton $e\mu$** PRL 116 (2016) 052002, $L_{int} = 43$ pb $^{-1}$, 50 ns $746 \pm 58 \pm 53 \pm 36$ pb**CMS, dilepton $e\mu$** EPJC 77 (2017) 172, $L_{int} = 2.2$ fb $^{-1}$, 25 ns $815 \pm 9 \pm 38 \pm 19$ pb**CMS, $l+jets$** arXiv:1701.06228, $L_{int} = 2.2$ fb $^{-1}$ $888 \pm 2 \pm 26 \pm 20$ pb**CMS, all-jets ***CMS-PAS TOP-16-013, $L_{int} = 2.53$ fb $^{-1}$ $834 \pm 25 \pm 118 \pm 23$ pb

NNPDF3.0 JHEP 04 (2015) 040

MMHT14 EPJC 75 (2015) 5

CT14 PRD 93 (2016) 033006

ABM12 PRD 89 (2015) 054028
 $[\alpha_s(m_Z) = 0.113]$

* Preliminary

200 400 600 800 1000 1200 1400
 $\sigma_{t\bar{t}}$ [pb]