

ATLAS+CMS Preliminary

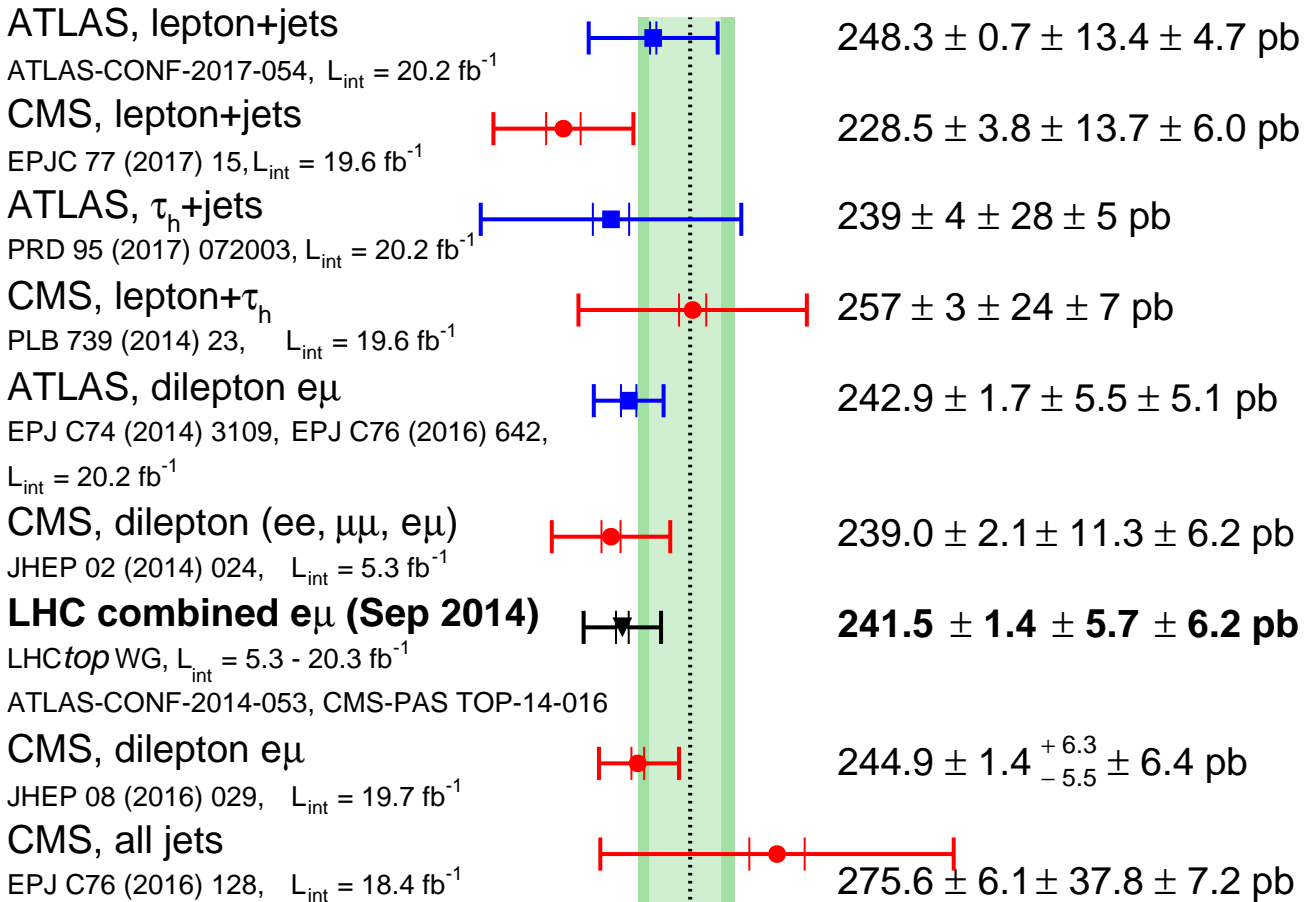
LHCtop WG

$\sigma_{t\bar{t}}$ summary, $\sqrt{s} = 8$ TeV

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

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



NNPDF3.0 JHEP 04 (2015) 040

MMHT14 EPJ C75 (2015) 5

CT14 PRD 93 (2016) 033006

ABM12 PRD 89 (2015) 054028

$[\alpha_s(M_Z) = 0.113]$

100 150 200 250 300 350 400
 $\sigma_{t\bar{t}}$ [pb]