

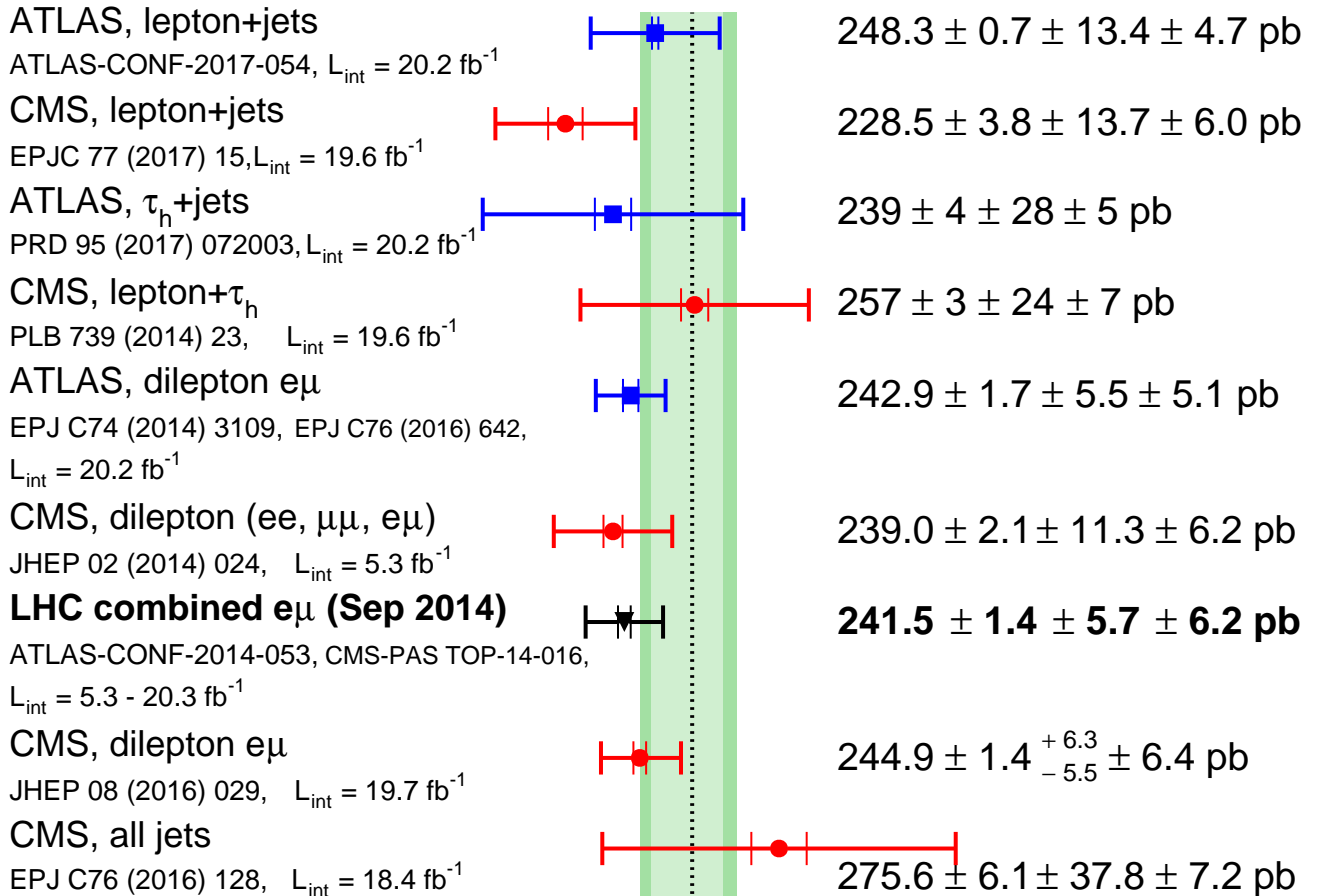
**ATLAS+CMS Preliminary LHC topWG**

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

Sept 2017

..... 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  $\oplus$   $\alpha_s$  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]