

**ATLAS+CMS Preliminary**

LHCtopWG

$\sigma_{t\bar{t}}$  summary,  $\sqrt{s} = 7$  TeV

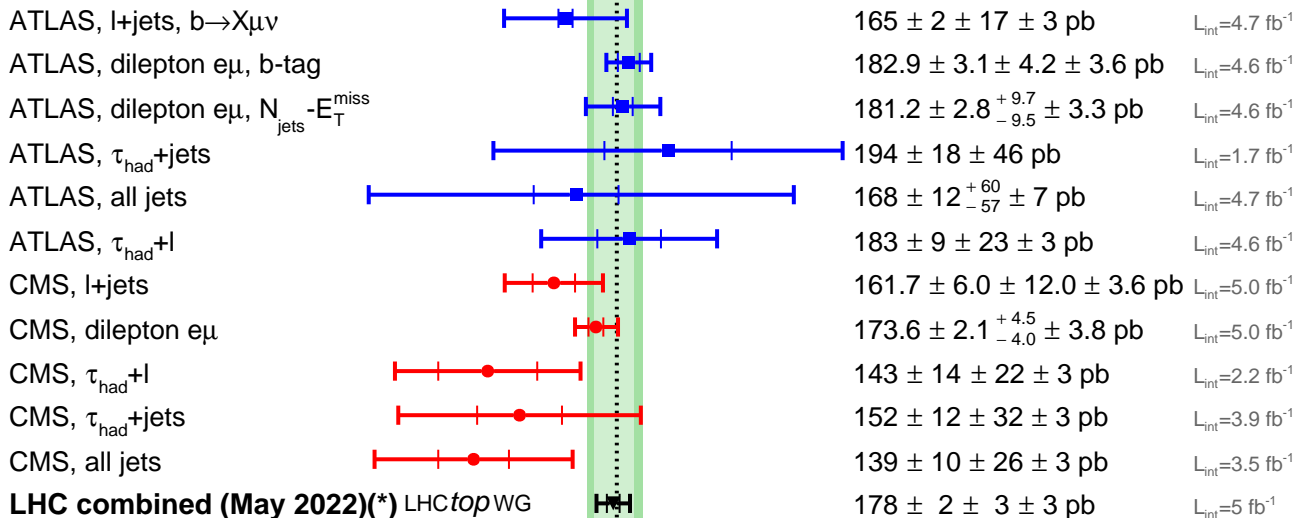
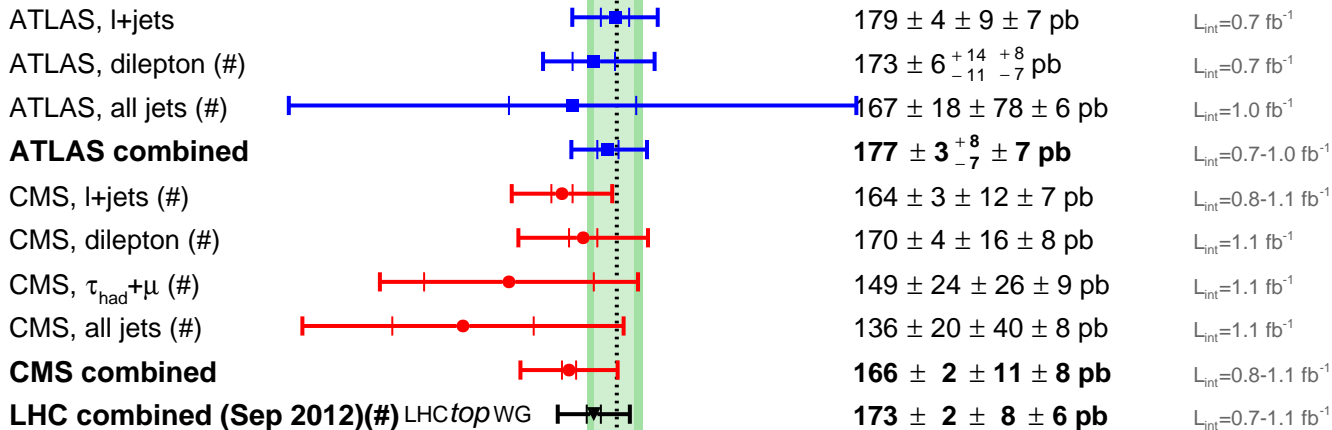
June 2022

..... 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  $\oplus$   $\alpha_s$  uncertainty

total stat

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



(#) Superseded by results shown below the line  
 (\*) Preliminary

NNPDF3.0 JHEP 04 (2015) 040

MMHT14 EPJ C75 (2015) 5

CT14 PRD 93 (2016) 033006

ABM12 PRD 89 (2015) 054028

$[\alpha_s(M_Z) = 0.113]$

50 100 150 200 250 300 350

$\sigma_{t\bar{t}}$  [pb]