

Inclusive  $t\bar{t}$  cross section [pb]

ATLAS+CMS Preliminary May 2015  
TOPLHCWG

- ☆ Tevatron combined\* 1.96 TeV ( $L=8.8 \text{ fb}^{-1}$ )
  - ATLAS dilepton 7 TeV ( $L=4.6 \text{ fb}^{-1}$ )
  - CMS dilepton 7 TeV ( $L=2.3 \text{ fb}^{-1}$ )
  - ATLAS l+jets\* 7 TeV ( $L=0.7 \text{ fb}^{-1}$ )
  - CMS l+jets 7 TeV ( $L=2.3 \text{ fb}^{-1}$ )
  - ATLAS dilepton 8 TeV ( $L=20.3 \text{ fb}^{-1}$ )
  - CMS dilepton 8 TeV ( $L=5.3 \text{ fb}^{-1}$ )
  - ★ LHC combined  $e\mu^*$  8 TeV ( $L=5.3-20.3 \text{ fb}^{-1}$ )
  - ATLAS l+jets 8 TeV ( $L=20.3 \text{ fb}^{-1}$ )
  - CMS l+jets\* 8 TeV ( $L=2.8 \text{ fb}^{-1}$ )
- \* Preliminary

■ NNLO+NNLL (pp)  
■ NNLO+NNLL ( $p\bar{p}$ )

Czakon, Fiedler, Mitov, PRL 110 (2013) 252004

$m_{\text{top}} = 172.5 \text{ GeV}$ , PDF  $\oplus$   $\alpha_s$  uncertainties according to PDF4LHC

