

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

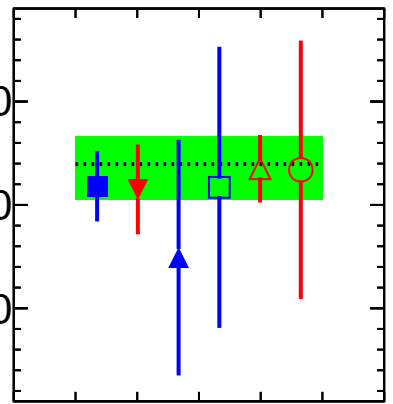
ATLAS+CMS Preliminary May 2017  
**LHCtopWG**

- ▽ Tevatron combined 1.96 TeV ( $L \leq 8.8 \text{ fb}^{-1}$ )
- CMS dilepton, l+jets\* 5.02 TeV ( $L = 27.4 \text{ pb}^{-1}$ )
- ATLAS  $e\mu$  7 TeV ( $L = 4.6 \text{ fb}^{-1}$ )
- CMS  $e\mu$  7 TeV ( $L = 5 \text{ fb}^{-1}$ )
- ATLAS  $e\mu$  8 TeV ( $L = 20.2 \text{ fb}^{-1}$ )
- CMS  $e\mu$  8 TeV ( $L = 19.7 \text{ fb}^{-1}$ )
- ▼ LHC combined  $e\mu$  8 TeV ( $L = 5.3\text{-}20.3 \text{ fb}^{-1}$ )
- ATLAS  $e\mu$  13 TeV ( $L = 3.2 \text{ fb}^{-1}$ )
- ▼ CMS  $e\mu$  13 TeV ( $L = 2.2 \text{ fb}^{-1}$ )
- ▲ ATLAS  $ee/\mu\mu^*$  13 TeV ( $L = 85 \text{ pb}^{-1}$ )
- ATLAS l+jets\* 13 TeV ( $L = 85 \text{ pb}^{-1}$ )
- △ CMS l+jets 13 TeV ( $L = 2.3 \text{ fb}^{-1}$ )
- CMS all-jets\* 13 TeV ( $L = 2.53 \text{ fb}^{-1}$ )

\* Preliminary

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

Czakon, Fiedler, Mitov, PRL 110 (2013) 252004  
 NNPDF3.0,  $m_{\text{top}} = 172.5 \text{ GeV}$ ,  $\alpha_s(M_Z) = 0.118 \pm 0.001$



13  $\sqrt{s}$  [TeV]

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