

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

ATLAS+CMS Preliminary Sep 2015

LHC $t\bar{t}$ PWG

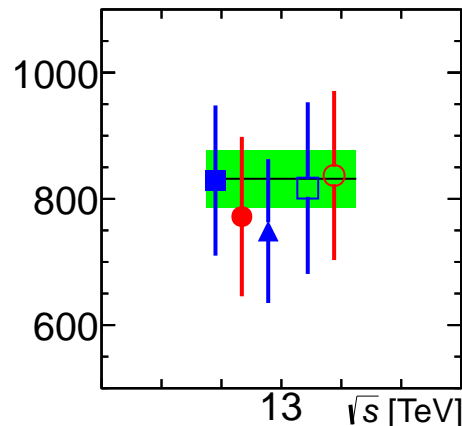
- ▽ Tevatron combined* 1.96 TeV ($L=8.8 \text{ fb}^{-1}$)
- ATLAS $e\mu$ 7 TeV ($L=4.6 \text{ fb}^{-1}$)
- CMS $e\mu$ * 7 TeV ($L=5 \text{ fb}^{-1}$)
- ATLAS $e\mu$ 8 TeV ($L=20.3 \text{ fb}^{-1}$)
- CMS $e\mu$ * 8 TeV ($L=19.7 \text{ fb}^{-1}$)
- ▼ LHC combined $e\mu$ * 8 TeV ($L=5.3\text{-}20.3 \text{ fb}^{-1}$)
- ATLAS $e\mu$ * 13 TeV ($L=78 \text{ pb}^{-1}$)
- CMS $e\mu$ * 13 TeV ($L=42 \text{ pb}^{-1}$)
- ▲ 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 ($L=42 \text{ pb}^{-1}$)

* 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 α_s uncertainties according to PDF4LHC



10^3

10^2

10

2

4

6

8

10

12

14

\sqrt{s} [TeV]