

Inclusive $t\bar{t}$ cross section (pb)

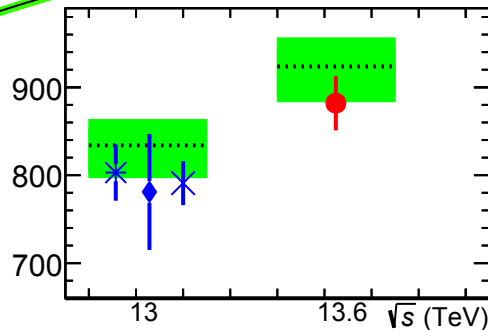
CMS

- $\mu\mu/ee/e\mu/l+jets$ 13.6 TeV ($L = 1.21 \text{ fb}^{-1}$)
- × $l+jets$ 13 TeV ($L = 137 \text{ fb}^{-1}$)
- * $e\mu$ 13 TeV ($L = 35.9 \text{ fb}^{-1}$)
- ◆ $\tau+e/\mu$ 13 TeV ($L = 35.9 \text{ fb}^{-1}$)
- $e\mu$ 8 TeV ($L = 19.7 \text{ fb}^{-1}$)
- ▲ $l+jets$ 8 TeV ($L = 19.6 \text{ fb}^{-1}$)
- ◇ $all-jets$ 8 TeV ($L = 18.4 \text{ fb}^{-1}$)
- $e\mu$ 7 TeV ($L = 5 \text{ fb}^{-1}$)
- $l+jets$ 7 TeV ($L = 2.3 \text{ fb}^{-1}$)
- ▼ $all-jets$ 7 TeV ($L = 3.54 \text{ fb}^{-1}$)
- $e\mu/l+jets$ 5.02 TeV ($L = 27.4-302 \text{ pb}^{-1}$)

■ NNLO+NNLL

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PDF4LHC21, $m_t = 172.5 \text{ GeV}$, $\alpha_s(m_Z) = 0.118$



10^3

10^2

10

2

4

6

8

10

12

14

\sqrt{s} (TeV)