

ATLAS+CMS Preliminary

November 2020

LHCtopWG

Run 2, $\sqrt{s} = 13$ TeV, $m_t = 172.5$ GeV

⋮ NLO (MCFM),
PDF4LHC (MSTW2008, CT10, NNPDF2.3)

■ scale uncertainty

■ scale \oplus PDF \oplus α_s uncertainty

total stat

$\sigma_{t\text{-channel}} \pm (\text{stat.}) \pm (\text{syst.}) \pm (\text{lumi.})$

ATLAS, $L_{\text{int}} = 3.2 \text{ fb}^{-1}$

JHEP 04 (2017) 086

$247 \pm 6 \pm 45 \pm 5 \text{ pb}$

CMS, $L_{\text{int}} = 35.9 \text{ fb}^{-1}$

PLB 800 (2019) 135042

$207 \pm 2 \pm 30 \pm 5 \text{ pb}$

