

ATLAS+CMS Preliminary

LHC*top*WG

September 2021

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

⋮ NLO+NNLL (PRD 82 (2010) 054018)

 total stat

 scale \oplus PDF \oplus α_s uncertainty

$\sigma_{tW} \pm (\text{stat.}) \pm (\text{syst.}) \pm (\text{lumi.})$

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

JHEP 01 (2018) 063

$94 \pm 10^{+28}_{-22} \pm 2 \text{ pb}$

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

JHEP 10 (2018) 117

$63.1 \pm 1.8 \pm 6.4 \pm 2.1 \text{ pb}$

CMS $l+jets$, $L_{\text{int}} = 36 \text{ fb}^{-1}$

arXiv:2109.01706

$89 \pm 4 \pm 12 \pm 3 \text{ pb}$

0

50

100

150

200

$\sigma_{tW} [\text{pb}]$