

# ATLAS+CMS Preliminary

September 2019

LHCtopWG

Data 2011,  $\sqrt{s} = 7$  TeV,  $m_t = 172.5$  GeV

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

■ scale uncertainty

■ scale  $\oplus$  PDF  $\oplus$   $\alpha_s$  uncertainty

total stat

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

ATLAS,  $L_{\text{int}} = 4.59 \text{ fb}^{-1}$

PRD 90 (2014) 112006



$68 \pm 2 \pm 8 \pm 1 \text{ pb}$

CMS,  $L_{\text{int}} = 1.17 - 1.56 \text{ fb}^{-1}$

JHEP 12 (2012) 035



$67.2 \pm 3.7 \pm 4.6 \pm 1.5 \text{ pb}$

**LHC combined**

JHEP 05 (2019) 088



**$67.5 \pm 2.4 \pm 5.0 \pm 1.1 \text{ pb}$**

