

# ATLAS+CMS Preliminary TOPLHCWG

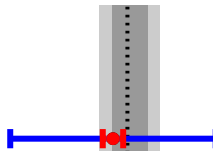
July 2014

Data 2012,  $\sqrt{s} = 8$  TeV

..... NLO (MCFM),  $m_{\text{top}} = 172.5$  GeV,  
 PDF4LHC (MSTW2008, CT10, NNPDF2.3)  
 ■ scale uncertainty  
 ■ scale  $\oplus$  PDF  $\oplus$   $\alpha_s$  uncertainty

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

ATLAS,  $L_{\text{int}} = 20.3 \text{ fb}^{-1}$   
 ATLAS-CONF-14-007



$82.6 \pm 1.2 \pm 11.8 \pm 2.3 \text{ pb}$

CMS,  $L_{\text{int}} = 19.7 \text{ fb}^{-1}$   
 JHEP06(2014)090



$83.6 \pm 2.3 \pm 7.1 \pm 2.2 \text{ pb}$

Effect of beam energy uncertainty: 1.2 pb



$\sigma_{t\text{-channel}} \text{ [pb]}$