

# ATLAS+CMS, $\sqrt{s} = 7$ TeV Preliminary

TOPLHCWG, May 2015

## $t\bar{t}$ asymmetry

ATLAS l+jets  
[JHEP 1402 (2014) 107]



$0.006 \pm 0.010 \pm 0.005$

CMS l+jets  
[PLB 717 (2012) 129]



$0.004 \pm 0.010 \pm 0.011$

**ATLAS+CMS l+jets**  
Preliminary



**$0.005 \pm 0.007 \pm 0.006$**

ATLAS dilepton  
[JHEP 05 (2015) 061]



$0.021 \pm 0.025 \pm 0.017$

CMS dilepton  
[JHEP 1404 (2014) 191]



$-0.010 \pm 0.017 \pm 0.008$

**Theory (NLO+EW)**  
[PRD 86, 034026 (2012)]

**$0.0123 \pm 0.0005$**

## lepton asymmetry

ATLAS dilepton  
[JHEP 05 (2015) 061]



$0.024 \pm 0.015 \pm 0.009$

CMS dilepton  
[JHEP 1404 (2014) 191]



$0.009 \pm 0.010 \pm 0.006$

**Theory (NLO+EW)**  
[PRD 86, 034026 (2012)]

**$0.0070 \pm 0.0003$**

-0.1

0

0.1

$A_C$