

$t\bar{t}$  asymmetry

ATLAS I+jets

PJC 76 (2016) 87

ATLAS dilepton  $A_C^{t\bar{t}}$ 

PRD 94, 032006 (2016)

CMS I+jets template

PRD 93, 034014 (2016)

CMS I+jets

PLB 757 (2016) 154

CMS dilepton  $A_C^{t\bar{t}}$ 

PLB 760 (2016) 365

Theory (NLO+EW)

PRD 86, 034026 (2012)

ATLAS I+jets boosted

 $(M_{t\bar{t}} > 0.75$  TeV &&  $|\Delta|y|| < 2)$ 

PLB 756 (2016) 52

Theory (NLO+EW)

JHEP 1201 (2012) 063

## dilepton asymmetry

ATLAS dilepton  $A_C^{\text{ll}}$ 

PRD 94, 032006 (2016)

CMS dilepton  $A_C^{\text{ll}}$ 

PLB 760 (2016) 365

Theory (NLO+EW)

PRD 86, 034026 (2012)

total stat

 $A_C \pm(\text{stat}) \pm(\text{syst})$  $0.009 \pm 0.004 \pm 0.005$  $0.021 \pm 0.011 \pm 0.012$  $0.003 \pm 0.003 \pm 0.003$  $0.001 \pm 0.007 \pm 0.004$  $0.011 \pm 0.011 \pm 0.007$  $0.0111 \pm 0.0004$  $0.042 \pm 0.019 \pm 0.026$  $0.0160 \pm 0.0004$  $0.008 \pm 0.005 \pm 0.003$  $0.003 \pm 0.006 \pm 0.003$  $0.0064 \pm 0.0003$ 

-0.05

0

0.05

 $A_C$