

$\Delta\sigma/\sigma_{\text{SM}}$ 

-1      -0.5      0      0.5      1

ttb: NLO gen.

ttb: norm.

ttc: NLO gen.

ttc: norm.

ttc: PS &amp; hadron.

ttlght: NLO gen.

shape tt+bb

light-jet mistag NP 1






JES: NP 1

tt cross section

**ATLAS**  
Preliminary

Projection from Run 2 data

ttH,  $H \rightarrow bb$  (dilepton)  
 $\sqrt{s} = 14 \text{ TeV}, 3000 \text{ fb}^{-1}$

-  Pull
-  Normalisation
-  1 standard deviation
-  Prefit Impact on  $\sigma$
-  Postfit Impact on  $\sigma$

-3      -2      -1      0      1      2      3

 $(\hat{\theta} - \theta_0)/\Delta\theta$