

Pre-fit impact on $\mu(tHq)$:

$\square \theta = \hat{\theta} + \Delta\theta$ $\square \theta = \hat{\theta} - \Delta\theta$

$\Delta\mu(tHq)$

10

-5

0

5

10

Post-fit impact on $\mu(tHq)$:

$\blacksquare \theta = \hat{\theta} + \Delta\hat{\theta}$ $\blacksquare \theta = \hat{\theta} - \Delta\hat{\theta}$

— Nuis. Param. Pull

$t\bar{t}$ NLO gen.

γ (SRBDTtHq2L1TAUOS bin 3)

$t\bar{t}$ FSR

$k(t\bar{t})$

γ (SRBDTtHq2L1TAUOS bin 1)

$t\bar{t}$ hdamp=3m_{top}

Tau fake norm.

$k(Z+jets)$

JER EffectiveNP 2

γ (SRBDTtHq2L1TAUOS bin 0)

JER EffectiveNP 1

JER EffectiveNP 10

JER EffectiveNP 12restTerm

JER EffectiveNP 7

MET soft reso (parp.)

$t\bar{t}$ $\mu_R \mu_F$ scale

JES flavour composition

JES η intercalibration modelling

γ (CRttbar2L1TAUOS bin 2)

tW (DR vs. DS)

ATLAS Internal

$\sqrt{s} = 13 \text{ TeV}, 140 \text{ fb}^{-1}$

-2

-1.5

-1

-0.5

0

0.5

1

1.5

2

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