

$\Delta\hat{\mu}$ 

-0.3 -0.2 -0.1 0 0.1 0.2 0.3

$t\bar{t}$  RadLo Shape (hhMass SR)

QCD Shape (hhMass SR)

FatJet JMR

b-jet tag extrap (track)

b-jet tag eff (track) 1

$t\bar{t}$  Shower Shape (hhMass SR)

b-jet tag eff (track) 0

c-jet tag eff (track) 0

l-jet tag eff (track) 0

QCD Norm

$d_0^{\text{sig}}$  cut efficiency

Luminosity

W+jets Shape Scale (hhMass SR)

b-jet tag eff (calo) 0

$t\bar{t}$  Norm (Acc)

**ATLAS**  
Internal

$\sqrt{s} = 13 \text{ TeV}$

$\int \mathcal{L} dt = 36.1 \text{ fb}^{-1}$

$m_H = 2250 \text{ GeV}$

—●— Pull:  $(\hat{\theta} - \theta_0)/\Delta\theta$

—○— Normalisation

 +1 $\sigma$  Postfit Impact on  $\hat{\mu}$

 -1 $\sigma$  Postfit Impact on  $\hat{\mu}$

-2 -1.5 -1 -0.5 0 0.5 1 1.5 2

Pull