

$$\Delta\hat{\mu}/\Delta\hat{\mu}_{\text{tot}}$$

-0.6 -0.4 -0.2 0 0.2 0.4 0.6

W+jets Norm (Acc)

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

SingleTop Norm (Acc)

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

Jet energy resolution

b-jet tag eff (track) 1

FatJet JMR

Jet SR1 NP1

QCD Shape (hhMass SR)

b-jet tag eff (track) 0

Pile-up Reweight

FatJet Baseline

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

QCD Norm

l-jet tag eff (track) 0

**ATLAS**  
Internal

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

$\int \text{Ldt} = 36.1 \text{ fb}^{-1}$

$m_H = 1500 \text{ GeV}$

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

—○— Normalisation

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

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

-2

-1

0

1

2

Pull