

$\Delta\hat{\mu}$

-0.6 -0.4 -0.2 0 0.2 0.4 0.6

W+jets Norm (Acc)

FatJet JMR

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

SingleTop Norm (Acc)

Pile-up Reweight

b-jet tag eff (track) 1

b-jet tag eff (track) 0

l-jet tag eff (track) 0

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

Jet SR1 NP1

 d_0^{sig} cut efficiency

QCD Shape (hhMass SR)

QCD Norm

Luminosity

 E_T^{miss} soft term resolution $\sqrt{s} = 13 \text{ TeV}$ $\int \mathcal{L} dt = 36.1 \text{ fb}^{-1}$ $m_H = 1300 \text{ GeV}$ \bullet Pull: $(\hat{\theta} - \theta_0)/\Delta\theta$ \ominus Normalisation +1 σ Postfit Impact on $\hat{\mu}$  -1 σ Postfit Impact on $\hat{\mu}$

-1.5 -1 -0.5 0 0.5 1 1.5

Pull

ATLAS
Internal