

Pre-fit impact on  $\mu$ :

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

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

Post-fit impact on  $\mu$ :

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

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

—●— Nuis. Param. Pull

k(Fake  $\tau_{\text{had}}$ ): ( $\tau_{\text{lep}} \tau_{\text{had}}, \geq 4j$ ) region

k(Fake  $\tau_{\text{had}}$ ): ( $\tau_{\text{lep}} \tau_{\text{had}}, 3j$ ) region

Fake  $\tau_{\text{had}}$  bkg:  $t\bar{t}$  fraction NP I

Jet energy resolution

Jet energy scale:  $\eta$  intercalibration NP I

$t\bar{t}$ : SHERPA5F vs. nominal

b-tagging: mis-tag (light) NP I

Jet energy scale: pileup NP I

k(Fake  $\tau_{\text{had}}$ ): ( $\tau_{\text{had}} \tau_{\text{had}}, \geq 4j$ ) region

Jet energy scale: flavour composition

