

Pre-fit impact on μ :

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

Post-fit impact on μ :

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

—●— Nuis. Param. Pull

$\Delta\mu$
0.08 0.06 0.04 0.02 0 0.02 0.04 0.06 0.08

ATLAS Internal

$\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$

$t\bar{t}$ +light PS 4j

$t\bar{t}$ +b PS 4j

$t\bar{t}$ +c PS 4j

$t\bar{t}$ + ≥ 1 c norm.

γ (4j, 3b bin 9)

$t\bar{t}$ +light Gen 5j

$t\bar{t}$ +b PS 6j

$t\bar{t}$ +b FSR

eigenvars_C_0

$t\bar{t}$ + ≥ 1 b norm.

γ (4j, 3b bin 8)

$t\bar{t}$ +b $\mu_F \mu_R$

$t\bar{t}$ +light Gen 4j

γ (5j, 3b bin 9)

V+jets norm.

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

