

$\Delta\mu_{\text{Sig}}$ 

-0.3 -0.2 -0.1 0 0.1 0.2 0.3

alpha\_JET\_R02\_JER\_EffectiveNP\_7restTerm

gamma\_stat\_CRW\_Merged\_cuts\_bin\_0

gamma\_stat\_SR\_Merged\_mS\_bin\_bin\_2

alpha\_MET\_SoftTrk\_ResoPerp

alpha\_Diboson\_pdf\_plus\_alphas

alpha\_JET\_R02\_JER\_EffectiveNP\_3

alpha\_JET\_Flavor\_Response

alpha\_JET\_Flavor\_Composition

alpha\_TRK\_FAKE\_RATE\_TIGHT

alpha\_ttbar\_2pt\_AMcPy8

alpha\_JET\_JER\_EffectiveNP\_6

gamma\_stat\_SR\_Resolved\_mS\_bin\_bin\_0

alpha\_JET\_R02\_JER\_EffectiveNP\_2

alpha\_stop\_2pt\_AMcPy8

alpha\_Diboson\_scale

alpha\_JET\_R02\_JER\_EffectiveNP\_1

alpha\_W+Jets\_scale

gamma\_stat\_SR\_Merged\_mS\_bin\_bin\_0

alpha\_JET\_JER\_EffectiveNP\_9

gamma\_stat\_SR\_Resolved\_mS\_bin\_bin\_2

alpha\_MET\_SoftTrk\_Scale

alpha\_JET\_JER\_DataVsMC\_MC16

alpha\_JET\_Pileup\_PtTerm

alpha\_MET\_SoftTrk\_ResoPara

alpha\_JET\_JER\_EffectiveNP\_1

alpha\_JET\_R02\_JER\_EffectiveNP\_7

alpha\_JET\_EtaIntercalibration\_Modelling

alpha\_JET\_Pileup\_OffsetMu

alpha\_JET\_R02\_JER\_EffectiveNP\_9

alpha\_JET\_R02\_EffectiveNP\_Modelling1

—●— Pull

— 1 standard deviation

Prefit Impact on  $\mu_{\text{Sig}}$ Postfit Impact on  $\mu_{\text{Sig}}$ 

LHC Run 2  
Rank 1 to 30

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

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