

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

-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

**ATLAS Internal**  
**LHC Run 2**  
**Rank 1 to 30**

—●— Pull  
— 1 standard deviation  
□ Prefit Impact on  $\mu_{\text{Sig}}$   
■ Postfit Impact on  $\mu_{\text{Sig}}$

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

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