

Relative Uncertainty

**ATLAS** Work in progress

$\sqrt{s} = 13 \text{ TeV}, 140 \text{ fb}^{-1}$

TQGAMMATHEORYSYSTS

Scale Uncertainty

QCD Gen.: QCD\_Sh2211

$$\text{Rel. Unc.} = \frac{\max(\Delta\phi_{\text{hy}}^{\text{signed}}(\mu_{\text{R},1}, \mu_{\text{F},1}) - \Delta\phi_{\text{hy}}^{\text{signed}}(\mu_{\text{R},i}, \mu_{\text{F},i}))}{\Delta\phi_{\text{hy}}^{\text{signed}}(\mu_{\text{R},1}, \mu_{\text{F},1})}$$

— Uncertainty Envelope

Three CR Fit, Data

