

Relative Uncertainty

ATLAS Work in progress

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

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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

0.002

0.0015

0.001

0.0005

0

-3

-2

-1

0

1

2

3

$\Delta\phi_{\text{hy}}^{\text{signed}}$

