

Relative Uncertainty

ATLAS Work in progress

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

QCDZGAMMATHEORYSYSTS

Scale Uncertainty

QCD Gen.: QCD_Sh2211

$$\text{Rel. Unc.} = \frac{\max(m_{jj}(\mu_{R,1}, \mu_{F,1}) - m_{jj}(\mu_{R,i}, \mu_{F,i}))}{m_{jj}(\mu_{R,1}, \mu_{F,1})}$$

— Uncertainty Envelope

Three CR Fit, Data

0.0345

0.034

0.0335

0.036

0.0355

0.035

1000 1500 2000 2500 3000 3500 4000 4500 5000

$m_{jj} [\text{GeV}]$