

Relative Uncertainty

0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

ATLAS Work in progress

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

TQGAMMATHEORYSYSTS

Scale Uncertainty

QCD Gen.: QCD_Sh2211

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

— Uncertainty Envelope

Three CR Fit, Data

100

200

300

400

500

$p_T^l \text{ [GeV]}$

