

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

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

Uncertainty Envelope

Three CR Fit, Data

0  
-0.0002  
-0.0004  
-0.0006  
-0.0008  
-0.001

100

200

300

400

500

$p_T^l$  [GeV]

