

8 TeV

Cross Section (pb/GeV)

$$1 \leq y_b < 2$$

$$0 \leq y^* < 1$$

CT14 (NLO) – $\mu = p_{T,\text{max}} \cdot e^{(0.3y^*)}$ CT14 (NLO) – $\mu = p_{T,\text{avg}}$ CT14 (NLO) – $\mu = p_{T,\text{avg}} \cdot e^{(0.3y^*)}$ 10^5 10^4 10^3 10^2 10^1 10^0 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5}

Ratio

1.10

1.05

1.00

0.95

0.90

Ratio to $\mu = p_{T,\text{max}} \cdot e^{(0.3y^*)}$

200

300

500

1000

 $p_{T,\text{avg}} / \text{GeV}$ 