

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

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