

$\Delta\sigma(\Delta\alpha_s)/\sigma$ 

0.2

Inclusive Jets  
fastNLO NLO (MSTW2008as)

 $E_{\text{cms}} = 7 \text{ TeV}$ Anti- $k_T$ ,  $R=0.5$ Sensitivity to  $\alpha_s$ 

0

-0.2

—  $0.0 \leq |y| < 0.5$ Hatched: PDF with  $\Delta\alpha_s = \pm 0.003$ Lines:  $\Delta\alpha_s = 0.003$  $10^2$  $10^3$  $p_T/\text{GeV}$ 