

ATLAS Preliminary

Data 2011, $\int Ldt = 0.70 \text{ fb}^{-1}$

Theory (approx. NNLO)

$m_t = 172.5 \text{ GeV}$

ee

$178 \pm 17 \pm 33 \pm 8$

$\mu\mu$

$159 \pm 10 \pm 20 \pm 7$

$e\mu$

$182 \pm 7 \pm 18 \pm 8$

Comb.

$177 \pm 6 \pm 17 \pm 8$

ee w/ b-tagging

$181 \pm 16 \pm 35 \pm 8$

$\mu\mu$ w/ b-tagging

$164 \pm 10 \pm 18 \pm 7$

$e\mu$ w/ b-tagging

$193 \pm 8 \pm 20 \pm 8$

Comb. b-tag

$183 \pm 6 \pm 18 \pm 8$

(stat) \pm (syst) \pm (lumi)

$\sigma_{t\bar{t}} [\text{ pb}]$

0

50

100

150

250

300

