

10 TeV $\mu\mu \rightarrow \mu\mu t\bar{t}$ (QED)

$\sigma(t\bar{t})$ [pb]

0.010

0.001

10^{-4}

10^{-5}

1

10

100

1000

ptcut [GeV]

— $\mu\mu$ p_t1, p_t2 < p_tcut

- - - $\gamma\gamma$ PDF(scale=p_tcut)

— $\mu\mu$ p_t1 > p_tcut p_t2 < p_tcut

- - - $\mu\gamma$ p_t1 > p_tcut + PDF(scale=p_tcut)

— $\mu\mu$ p_t1, p_t2 > p_tcut

— sum

- - - sum (PDF)

— $\mu\mu$ no cuts at all

