

10 TeV $\mu\mu \rightarrow \mu\mu tt$ (QED)

$\sigma(tt)$ [pb]

0.020

0.015

0.010

0.005

1

10

100

1000

pt_{cut} [GeV]

$\mu\mu$ $pt_{l1}, pt_{l2} < pt_{cut}$

$\gamma\gamma$ PDF(scale= pt_{cut})

$\mu\mu$ $pt_{l1} > pt_{cut}$ $pt_{l2} < pt_{cut}$

$\mu\gamma$ $pt_l > pt_{cut}$ + PDF(scale= pt_{cut})

$\mu\mu$ $pt_{l1}, pt_{l2} > pt_{cut}$

sum

sum (PDF)

$\mu\mu$ no cuts at all

