

# 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

