

# 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]

—  $\mu\mu$  ptl1,ptl2 < ptcut

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

—  $\mu\mu$  ptl1>ptcut ptl2<ptcut

- - -  $\mu\gamma$  ptl>ptcut+PDF(scale=ptcut)

—  $\mu\mu$  ptl1,ptl2 > ptcut

— sum

- - - sum (PDF)

—  $\mu\mu$  no cuts at all

