

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

$\sigma(tt)$  [pb]

0.025

0.020

0.015

0.010

0.005

1

10

100

1000

ptcut [GeV]

—  $\mu\mu$  p<sub>tl</sub>1, p<sub>tl</sub>2 < p<sub>t</sub>cut

- -  $\gamma\gamma$  PDF(scale=p<sub>t</sub>cut)

—  $\mu\mu$  p<sub>tl</sub>1 > p<sub>t</sub>cut p<sub>tl</sub>2 < p<sub>t</sub>cut

- -  $\mu\gamma$  p<sub>tl</sub> > p<sub>t</sub>cut + PDF(scale=p<sub>t</sub>cut)

—  $\mu\mu$  p<sub>tl</sub>1, p<sub>tl</sub>2 > p<sub>t</sub>cut

— sum

- - sum (PDF)

—  $\mu\mu$  no cuts at all

