

$\#e^+e^-, \geq 2 \text{ jets}, \geq 1 \text{ btag} \geq 1 \gamma$ $\sqrt{s}=8 \text{ TeV}, \text{ Ldt}=19.7 \text{ fb}^{-1}$

Number of Events

CMS Preliminary

- + 2012 data
- $t\bar{t}+\gamma$
- $t\bar{t} \text{ 0l}$
- $t\bar{t} \text{ 1l}$
- $t\bar{t} \text{ 2l}$
- Single Top
- Z+Jets
- WW/ZZ/WZ
- W+Jets
- QCD

 10^{-1} 10^{-2} 10^{-3}

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

 $\Delta R(\gamma, \mu)$ 