

$e\mu, \geq 2 \text{ jets}, \geq 1 \text{ btag}, \geq 1 \gamma$

$\sqrt{s}=8 \text{ TeV}, \int \mathcal{L} dt=19.7 \text{ fb}^{-1}$

CMS Preliminary

Number of Events

10000

8000

6000

4000

2000

0

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

data/MC

2

1.5

1

0.5

0

Photon E_T [GeV]

0

20

40

60

80

100

120

140