

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

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

CMS Preliminary

Number of Events

7000

6000

5000

4000

3000

2000

1000

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

Number of Events

data/MC

2

1.5

1

0.5

0

-3

-2

-1

0

1

2

3

Photon η

