

$e\mu, \geq 2 \text{ jets}, \geq 1 \text{ btag}, \geq 1 \gamma$  $\sqrt{s} = 8 \text{ TeV},$  $\mathcal{L}_{\text{dt}} = 19.7 \text{ fb}^{-1}$ 

Number of Events

**CMS Preliminary**14000  
12000  
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
- $Z + \gamma$
- WW/ZZ/WZ
- W+Jets
- $W + \gamma$
- QCD

0

20

40

60

80

100

120

140

Photon  $E_T$  [GeV]