

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

Number of Events

**CMS Preliminary**

40000

35000

30000

25000

20000

15000

10000

5000

0

0

2

4

6

8

10

12

14

16

18

20

+ 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

 $(p\text{-corr}) \text{ SCFR Photon Iso.}$