

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

Number of Events

**CMS Preliminary**

10000

8000

6000

4000

2000

0

0

50

100

150

200

250

300

second lepton  $p_T$ 

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