

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

$\sqrt{s} = 8 \text{ TeV},$

$\mathcal{L}_{\text{int}} = 19.7 \text{ fb}^{-1}$

Number of Events

**CMS Preliminary**

5000

4000

3000

2000

1000

0

0

0.005

0.01

0.015

0.02

0.025

0.03

$\sigma_{\text{in}}(\text{endcap})$

- + 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

