

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

$\sqrt{s}=8 \text{ TeV}, \text{ Ldt}=19.7 \text{ fb}^{-1}$

Number of Events

**CMS Preliminary**

5000

4000

3000

2000

1000

0

0.005

0.01

0.015

0.02

0.025

0.03

+ 2012 data

$t\bar{t}+\gamma$

$t\bar{t} \text{ 0l}$

$t\bar{t} \text{ 1l}$

$t\bar{t} \text{ 2l}$

Single Top

Z+Jets

WW/ZZ/WZ

W+Jets

QCD

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

