

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

Number of Events

**CMS Preliminary**

10

1

 $10^{-1}$ 

0

1

2

3

4

5

6

7

8

9

10

PFChargedHadronIso(endcap)

- + 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