

$\mu^+\mu^-, \geq 2 \text{ jets}, \geq 1 \text{ btag}, \geq 1 \gamma$

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

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

**CMS Preliminary**

Number of Events

18000  
16000  
14000  
12000  
10000  
8000  
6000  
4000  
2000  
0

- 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

data/MC

2  
1.5  
1  
0.5  
0

PFNeutralHadronIso(barrel)

0

2

4

6

8

10

12

14

16

18

20

22