

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

Number of Events

**CMS Preliminary**40000  
35000  
30000  
25000  
20000  
15000  
10000  
5000  
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

0

5

10

15

20

Random Cone Iso<sub>Ch.had</sub>