

Number of Events

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

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

**CMS Preliminary**

- + 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

1  
0.9  
0.8  
0.7  
0.6  
0.5  
0.4  
0.3  
0.2  
0.1  
0

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

$\Delta R(\gamma, \text{ jets})$