

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

Number of Events

- + 2012 data
- $t\bar{t} + \gamma$
- $t\bar{t} 0l$
- $t\bar{t} 1l$
- $t\bar{t} 2l$
- Single Top
- Z+Jets
- WW/ZZ/WZ
- W+Jets
- QCD

data/MC

selection step

Skim
Cleaning and HLT
Di-lepton Sel
 $\geq 1 \text{ jet}$
 $\geq 2 \text{ jets}$
 $\geq 1 \text{ CSV b-tag}$
 $\geq 1 \text{ Photon Presel}$
 $\geq 1 \text{ Good Photon Presel}$
Good Photon Poss
 $1/\sqrt{s}$

2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

10⁶
10⁵
10⁴
10³
10²
10