

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

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

Skim

Cleaning and HLT

Di-lepton Sel

$\geq 1 \text{ jet}$

$\geq 2 \text{ jets}$

$\geq 1 \text{ CSV b-tag}$

$\geq 1 \text{ Photon Presel}$

$\geq 1 \text{ Good Photon Presel}$

$\geq 1 \text{ Good Photon}$

$\gamma\gamma$

selection step

