

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

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

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

Number of Events

CMS Preliminary

90000

80000

70000

60000

50000

40000

30000

20000

10000

0

0

0.005

0.01

0.015

0.02

0.025

0.03

0.035

0.04

0.045

0.05

H/E

- + 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