

Number of Events

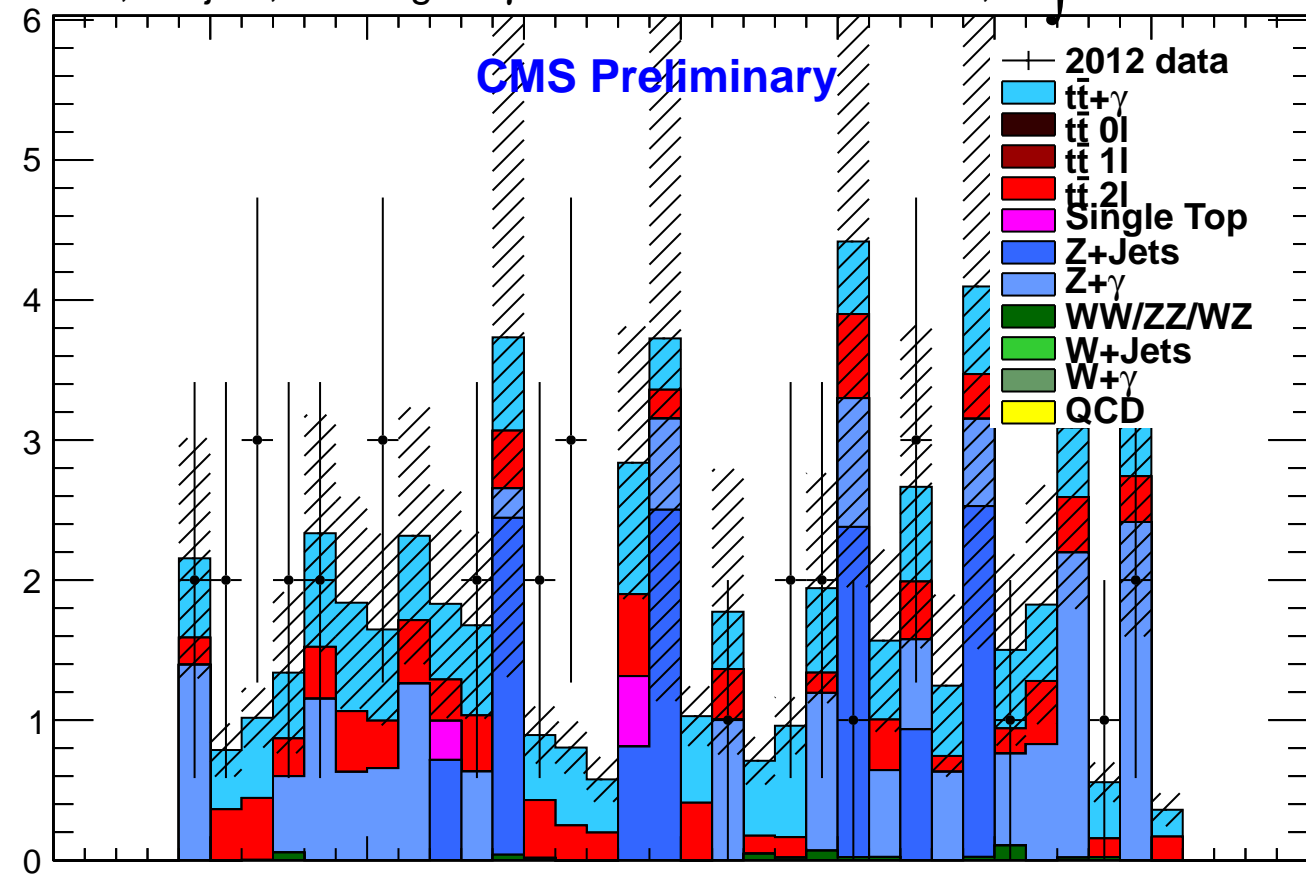
e^+e^- , ≥ 2 jets, ≥ 1 btag $\geq 1 \gamma$

$\sqrt{s} = 8$ TeV,

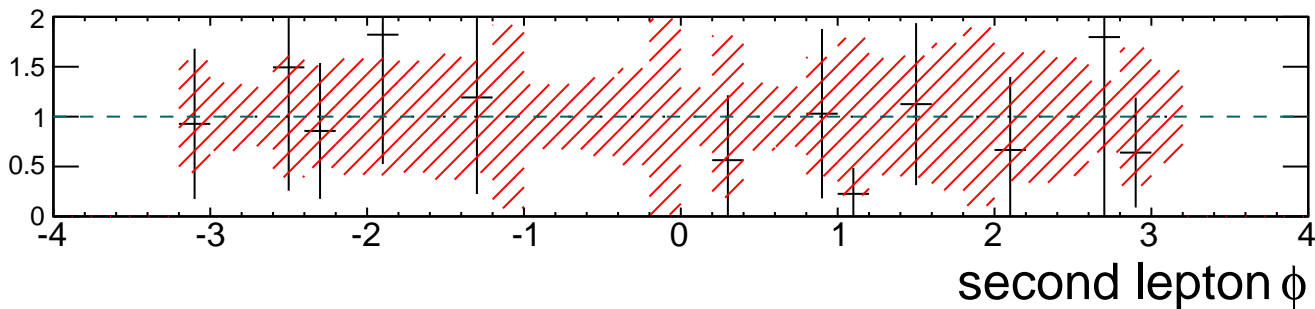
$\int L dt = 19.7 \text{ fb}^{-1}$

CMS Preliminary

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



data/MC



second lepton ϕ