

RunII, 137.2 fb<sup>-1</sup> (13 TeV)

Events

**CMS***Preliminary****1e1 $\mu$ , b tag, VBF, top control region***

- Data
- Z(l $\bar{l}$ ) + jets
- Z( $\nu\nu$ ) + jets
- W(l $\nu$ ) + jets
- $t\bar{t}$
- t+X
- VV, Vh
- MC stat.

- $m_{Z'} = 800$  GeV
- $m_{Z'} = 1000$  GeV
- $m_{Z'} = 1200$  GeV
- $m_{Z'} = 1400$  GeV
- $m_{Z'} = 1600$  GeV
- $m_{Z'} = 1800$  GeV
- $m_{Z'} = 2000$  GeV
- $m_{Z'} = 2500$  GeV
- $m_{Z'} = 3000$  GeV
- $m_{Z'} = 3500$  GeV

Data/Bkg = 0.000  $\pm$  0.000 $\chi^2/\text{ndf} = 0.00$ , K-S = 0.000