

e $\mu$  channel35.9 fb $^{-1}$  (13 TeV)

Events

**CMS***Preliminary*

- Data
- $t\bar{t}(2l)$
- Single  $t$
- $t\bar{t}+V$
- $W+\text{jets}/t\bar{t}(1l)/tW(1l)$
- Diboson
- DY
- PS  $M_\phi=100$  GeV (x200)
- S  $M_\phi=100$  GeV (x200)

Data / Bkg

Number of jets (anti- $k_T$  R=0.4 CHS)