

**CMS** $35.9 \text{ fb}^{-1} (13 \text{ TeV})$ 

Events

Single muon

Background-only fit

• Data

V+jets,VV

t,tW,t $\bar{t}$ +Vt $\bar{t}$ +b(b)t $\bar{t}$ +c(c)t $\bar{t}$ +LF..... H $^{\pm}$  500 GeV ( $\sigma_{\text{H}^{\pm}} \times B = 10 \text{ pb}$ )

Post-fit unc.

Obs./Exp.

1.05

0.95

4j/1b

4j/2b

4j/ $\geq$ 3b

5j/1b

5j/2b

5j/ $\geq$ 3b $\geq$ 6j/1b $\geq$ 6j/2b $\geq$ 6j/ $\geq$ 3b