

19.7 fb<sup>-1</sup> (8 TeV)

Muon channel  
3 tag region

**CMS**

Events/Bin

300

200

100

• Data

tHq ( $C_t=-1$ )

$t\bar{t}+b\bar{b}$

$t\bar{t}+b$

$t\bar{t}+cc$

$t\bar{t}+lf$

$t\bar{t}H$

EW

Stat.+syst.

50x tHq ( $C_t=-1$ )

$\frac{\text{Data-Pred.}}{\text{Pred.}}$

Stat.+syst.

0.5

0

-0.5

0.5

NN output

