

$\times 10^3$  CMS $\sqrt{s} = 8 \text{ TeV}, L = 19.4 \text{ fb}^{-1}$ 

Events

12

10

8

6

4

2

2

1

0

 $t\bar{t} + l\bar{l}$  (48825.0) $t\bar{t} + c\bar{c}$  (441.6) $t\bar{t} + b\bar{b}$  (325.7)single  $t$  (2504.7) $t\bar{t} + W, Z$  (106.6)

EWK (1902.0)

Data (52692)

Sum MC (54105.6)

 $t\bar{t}H125$  (32.4 $\times$ 30)

Data/MC

average mass(untag,untag)

