

Lepton +  $\geq 6$  jets +  $\geq 4$  b-tagsCMS Preliminary  $\sqrt{s} = 8$  TeV,  $L = 19.4$  fb $^{-1}$ 

Events

$t\bar{t} + l\bar{l}$  (72.1)  
 $t\bar{t} + b\bar{b}$  (79.7)  
EWK (1.4)  
 $t\bar{t}H125$  ( $8.4 \times 30$ )

$t\bar{t} + c\bar{c}$  (54.1)  
single  $t$  (7.5)  
Data (260)

$t\bar{t} + b$  (34.2)  
 $t\bar{t} + W, Z$  (6.0)  
Sum MC (254.9)

Data/MC

2

1

0

0

1

2

3

4

5

6

 $\sqrt{\Delta\eta(t_{\text{lep}}, \text{bb}) \times \Delta\eta(t_{\text{had}}, \text{bb})}$ 