

Lepton + 5 jets +  $\geq 4$  b-tagsCMS Preliminary  $\sqrt{s} = 8$  TeV,  $L = 19.4$  fb $^{-1}$ 

Events

$t\bar{t} + l\bar{l}$  (79.9)  
 $t\bar{t} + b\bar{b}$  (38.0)  
EWK (2.0)  
 $t\bar{t}H125$  ( $5.2 \times 30$ )

$t\bar{t} + c\bar{c}$  (33.1)  
single  $t$  (10.4)  
Data (219)

$t\bar{t} + b$  (29.8)  
 $t\bar{t} + W,Z$  (2.5)  
Sum MC (195.7)

Data/MC

0.75

0.8

0.85

0.9

0.95

1

average CSV output (b-tags)

