

CMS

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

Events

50

40

30

20

10

2

1

0

 $t\bar{t} + l\bar{l}$ (139.2)single t (10.4)

Data (62)

 $t\bar{t} + c\bar{c}$ (8.8) $t\bar{t} + W,Z$ (2.5)

Sum MC (195.7)

 $t\bar{t} + b\bar{b}$ (32.7)

EWK (2.0)

 $t\bar{t}H125$ (5.2×30)

Data/MC

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

MVA output

