

Lepton + ≥ 6 jets + ≥ 4 b-tags

CMS Preliminary

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

$t\bar{t} + l\bar{l}$ (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)

Events

60

50

40

30

20

10

2

0

Data/MC

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

sphericity

