

Lepton + ≥ 6 jets + 3 b-tags

CMS Preliminary

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

Events

 $t\bar{t} + l\bar{l}$ (1270.5) $t\bar{t} + b\bar{b}$ (200.4)

EWK (29.2)

 $t\bar{t}H125$ (23.8 \times 30) $t\bar{t} + c\bar{c}$ (492.4)

single t (59.0)

 \bullet Data (2426) $t\bar{t} + b$ (285.3) $t\bar{t} + W,Z$ (29.9) Sum MC (2366.7)

700

600

500

400

300

200

100

Data/MC

2

1

0.7

0.75

0.8

0.85

0.9

0.95

1

third CSV output (b-tags)