

Lepton + 5 jets + ≥ 4 b-tags

CMS Preliminary

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

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

Events

Data/MC

0.7 0.75 0.8 0.85 0.9 0.95 1
second highest CSV output (b-tags)