

Lepton + 5 jets + 3 b-tags

CMS Preliminary  $\sqrt{s} = 8 \text{ TeV}$ ,  $L = 19.4 \text{ fb}^{-1}$  $t\bar{t} + l\bar{l}$  (2637.0) $t\bar{t} + b\bar{b}$  (160.9)

EWK (46.1)

 $t\bar{t}H125$  ( $21.5 \times 30$ ) $t\bar{t} + c\bar{c}$  (540.0)single  $t$  (117.7)

Data (3983)

 $t\bar{t} + b$  (363.0) $t\bar{t} + W, Z$  (24.8)

Sum MC (3889.6)

Events

Data/MC

fourth highest jet  $p_T$ 