

12.9 fb<sup>-1</sup> (13 TeV)

Events

**CMS**  
*Preliminary*

- Observed
- QCD
- tt̄/W
- T2tt(600,300)
- Rare
- Z→νν
- T2tt(850,50)
- ⊠ Bkg. Uncertainty

$M_T(\mathbf{b}_{1,2}, \cancel{E}_T) < 175 \text{ GeV}$   
 $\geq 7 \text{ jets}$

$M_T(\mathbf{b}_{1,2}, \cancel{E}_T) > 175 \text{ GeV}, N_b \geq 2$

$N_b = 1$

$N_b \geq 2$

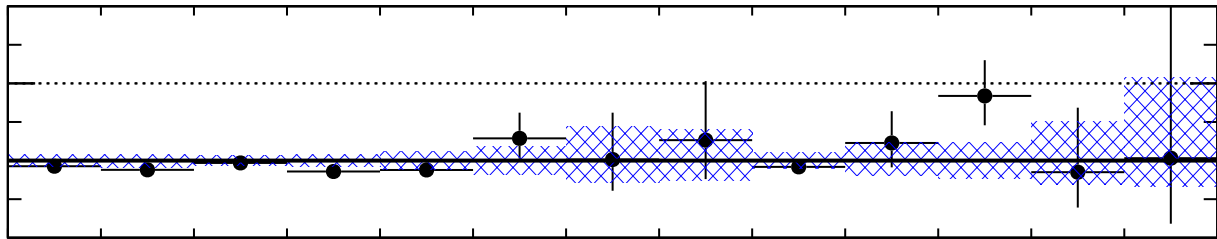
$N_W = 0, N_T = 0$   
 $\geq 7 \text{ jets}$

$N_W \geq 1$   
 $N_T = 0$

$N_W = 0$   
 $N_T \geq 1$

$N_W \geq 1, N_T \geq 1$

$N_{\text{obs}}/N_{\text{exp}}$



[250, 300) [300, 400) [250, 300) [300, 400) [250, 400) [350, 350) [450, 450) [≥ 550) [250, 450) [≥ 450) [250, 450) [≥ 450) [≥ 250)

$\cancel{E}_T$  [GeV]