

**CMS Preliminary**

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

$\mu \rightarrow ttW$

TF (Pile up syst both) / TF

1.2  
1.15  
1.1  
1.05  
1.0  
0.95  
0.9  
0.85  
0.8

eq0b

eq1b

eq2b

eq3b

ge4b

