

CMS

35.9 fb<sup>-1</sup>  $\sqrt{s}=13\text{TeV}$ 

Events

60

50

40

30

20

10

0

 $t\bar{t}W$  $t\bar{t}X$ 

uncertainties

nonprompt

rare

charge

WZ

 $t\bar{t}H$ 

data

$2j$   $3j1b_j$   $3j\geq 2b_j$   $\geq 4j1b_j$   $\geq 4j2b_j$   $2j$   $3j1b_j$   $3j\geq 2b_j$   $\geq 4j1b_j$   $\geq 4j2b_j$   $2j$   $3j1b_j$   $3j\geq 2b_j$   $\geq 4j1b_j$   $\geq 4j2b_j$   $2j$   $3j1b_j$   $3j\geq 2b_j$   $\geq 4j1b_j$   $\geq 4j2b_j$

