

Entries / 1 GeV

**CMS**

Work in progress

$\sqrt{s} = 13\text{TeV}$ ,  $L = 41.53\text{ fb}^{-1}$

SF<sub>TT</sub>: 1.000

SF<sub>Z+udsg</sub>: 1.000

SF<sub>Z+c</sub>: 1.000

SF<sub>Z+b</sub>: 1.000

SF<sub>Z+bb</sub>: 1.000

$Z(\mu^-\mu^+)H(bb)$  high  $p_T(V)$

● Data

■ ZH(bb)

■ WH(bb)

■ ggZH(bb)

■ VVLF

■ VVHF

■ Z+udsg

■ Z+c

■ Z + b

■ Z + b $\bar{b}$

■ t $\bar{t}$

■ Single top

⊠ MC uncert. (stat.)

Data/MC

$\chi^2/dof = 0.59$

⊠ MC uncert. (stat.)

add Jet Multiplicity ( $p_T > 30\text{ GeV}$ ),  $\eta < 2.4$ , tight PU ID, jet ID

70  
60  
50  
40  
30  
20  
10  
0  
1.5  
1  
0.5

0 1 2 3 4 5 6 7 8 9