

CMS*Preliminary****2 μ , b tag, no VBF, sidebands region***300
200
100
30
20
10
3
2
1
0.3
0.2

● Data

■ Z(l \bar{l}) + jets■ Z($\nu\nu$) + jets■ W(l $\bar{\nu}$) + jets■ $t\bar{t}$

■ t+X

■ VV, Vh

■ MC stat.

▨ $m_{Z'} = 1000$ GeV▨ $m_{Z'} = 2000$ GeV▨ $m_{Z'} = 3000$ GeV

HVT model B (x1)

2
1.5
1
0.5
0Data/Bkg = 0.914 ± 0.054 $\chi^2/\text{ndf} = 75.34$, K-S = 0.9220 200 400 600 800 1000 1200 1400 1600 1800 2000
muon 1 p_T (GeV)