

RunII, 137.2 fb⁻¹ (13 TeV)

EVENTS

CMS*Preliminary* **2μ , b tag, VBF, sidebands region**

300

200

100

30

20

10

3

2

1

0.3

● Data

■ Z(ll) + jets

■ Z(vv) + jets

■ W(lv) + jets

■ tt

■ 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

0

Data/Bkg = 0.727 ± 0.104 $\chi^2/\text{ndf} = 0.19$, K-S = 1.000

-0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5

number of μ 