

2016, 35.9 fb⁻¹ (13 TeV)

EVENTS

CMS*Preliminary* **2μ , VBF, sidebands region**300
200
100
30
20
10
3
2
1
0.3
0.2
0.1

● Data

■ Z(ll) + jets

■ Z(vv) + jets

■ W(lv) + 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 = 0.744 ± 0.043 $\chi^2/\text{ndf} = 1.27$, K-S = 1.0000 200 400 600 800 1000 1200 1400 1600 1800 2000
 $X p_T$ (GeV)