

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

1000

800

600

400

200

0

● 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)

1.5

1

0.5

0

Data/Bkg = 0.884 ± 0.032 $\chi^2/\text{ndf} = 0.00$, K-S = 1.000

-3

-2

-1

0

1

2

3

electron 1 η