

**CMS***Preliminary* **$2\mu$ , 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)

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

1.5

1

0.5

0

-3

-2

-1

0

1

2

3

electron 2  $\eta$