

2016, 35.9 fb⁻¹ (13 TeV)

EVENTS

CMS

Preliminary

2 μ , no b tag, VBF, sidebands region

400
300
200
100

• Data

Z(ll) + jets

Z($\nu\nu$) + jets

W(l ν) + 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)

40
30
20
10

4
3
2

2
1.5
1
0.5
0

Data/Bkg = 0.754 ± 0.038

$\chi^2/\text{ndf} = 1.12$, K-S = 0.875

0

0.5

1

1.5

2

2.5

3

min $\Delta \phi$ (jet- \cancel{E}_T)

