

2017, 41.5 fb<sup>-1</sup> (13 TeV)

EVENTS

**CMS**

*Preliminary*

*0l, b tag, no VBF, sidebands region*

• Data

Z(ll) + jets

Z(vv) + jets

W(lv) + jets

t $\bar{t}$

t+X

VV, Vh

MC stat.

m<sub>Z'</sub> = 1000 GeV

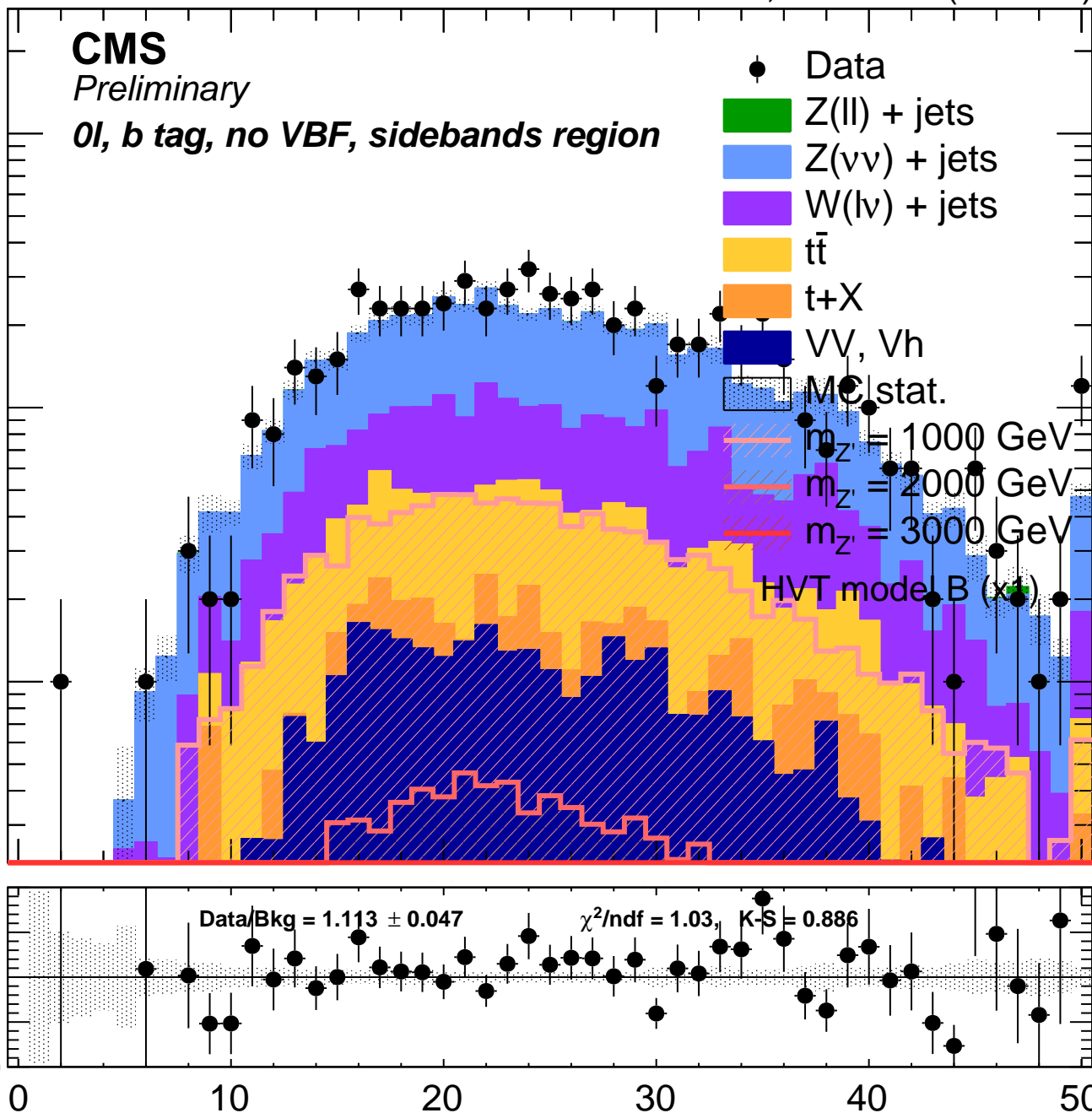
m<sub>Z'</sub> = 2000 GeV

m<sub>Z'</sub> = 3000 GeV

HVT mode B (x4)

200  
100  
30  
20  
10  
3  
2  
1  
0.3

2  
1.5  
1  
0.5  
0



number of primary vertices