

2016, 35.9 fb<sup>-1</sup> (13 TeV)

EVENTS

**CMS**

*Preliminary*

***2μ, 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

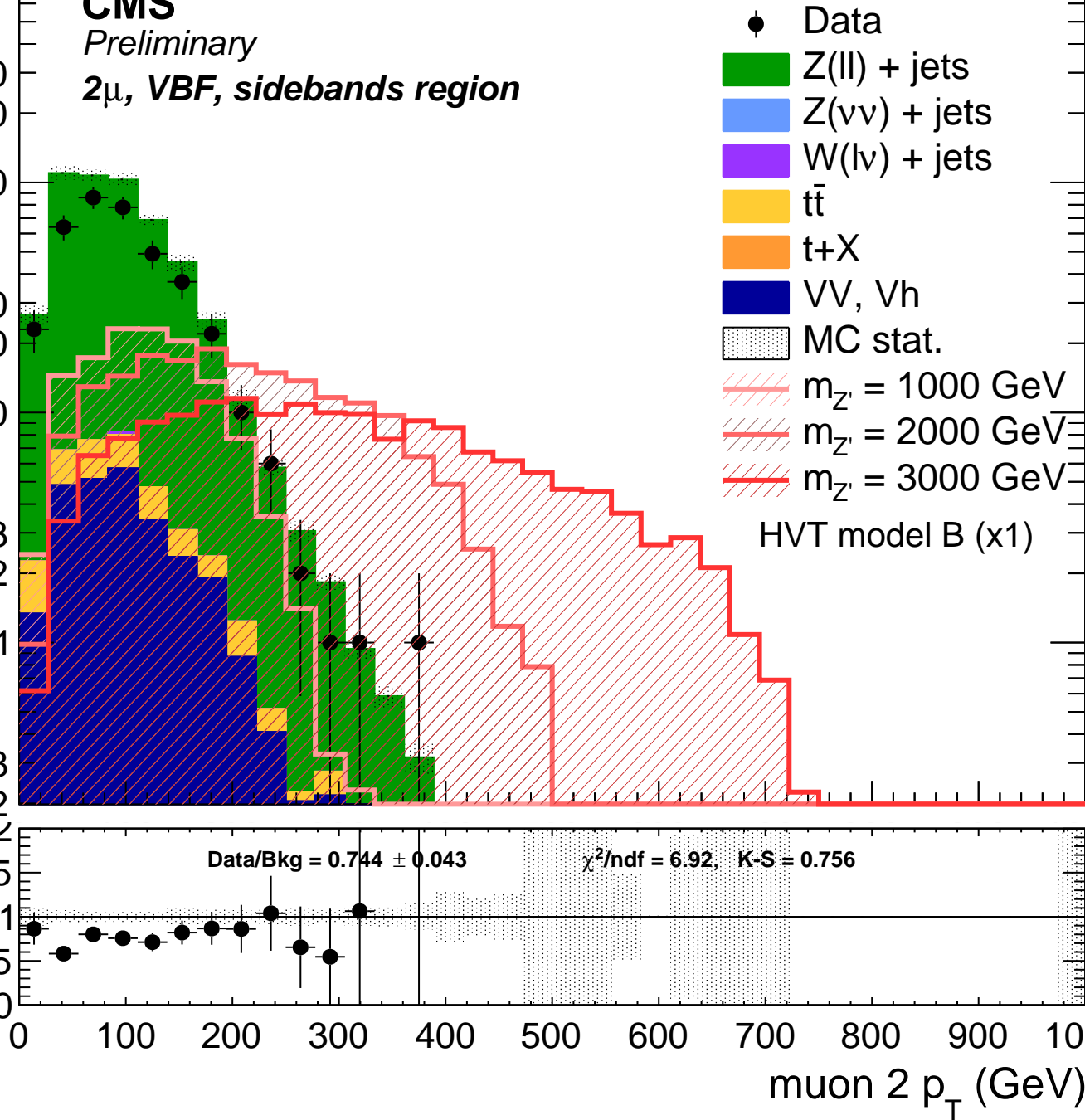
m<sub>Z'</sub> = 2000 GeV

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

HVT model B (x1)

300  
200  
100  
30  
20  
10  
3  
2  
1  
0.3  
0.2

2  
1.5  
1  
0.5  
0



Data/Bkg = 0.744 ± 0.043

$\chi^2/\text{ndf} = 6.92$ , K-S = 0.756

muon 2 p<sub>T</sub> (GeV)