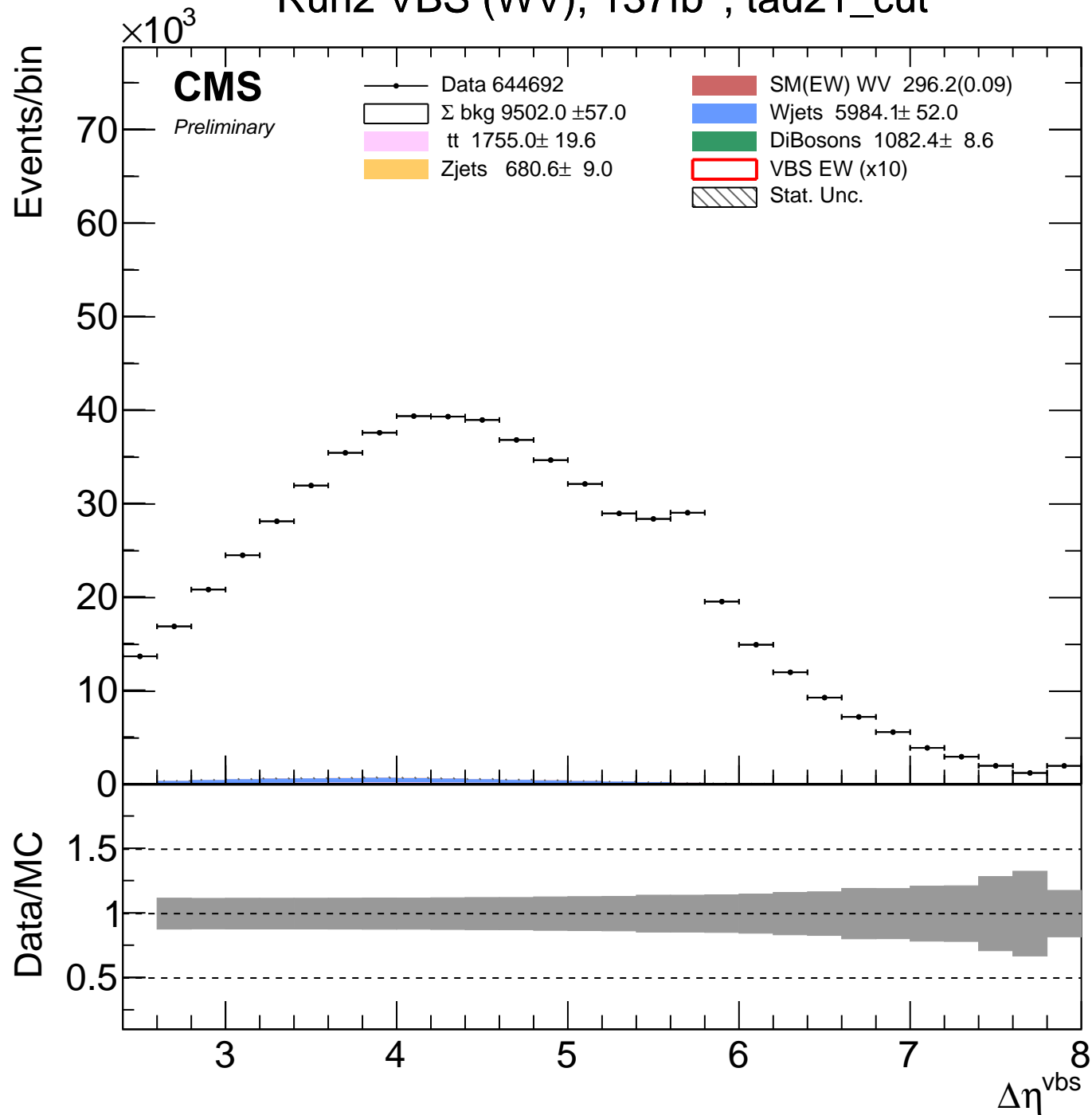
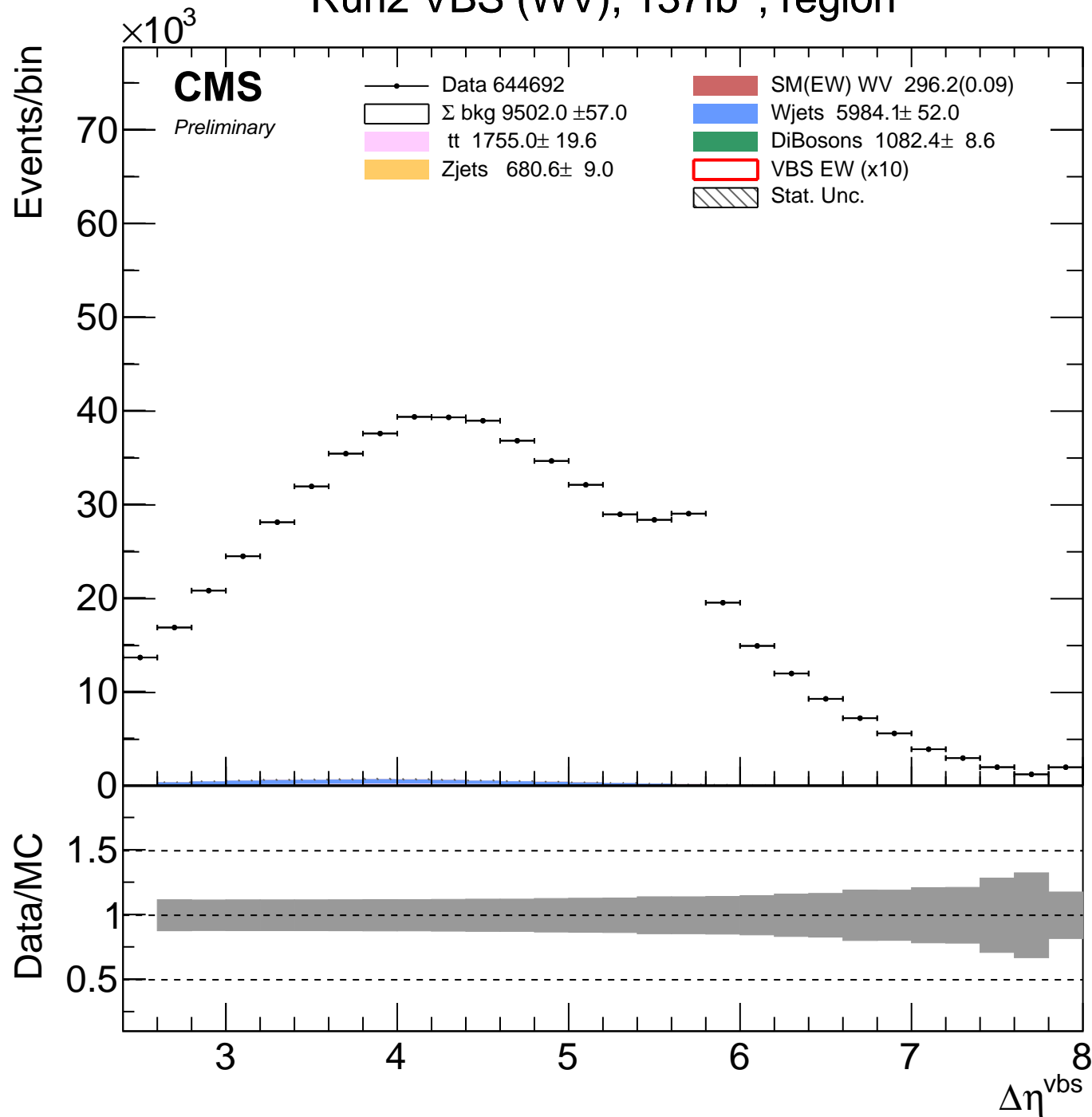


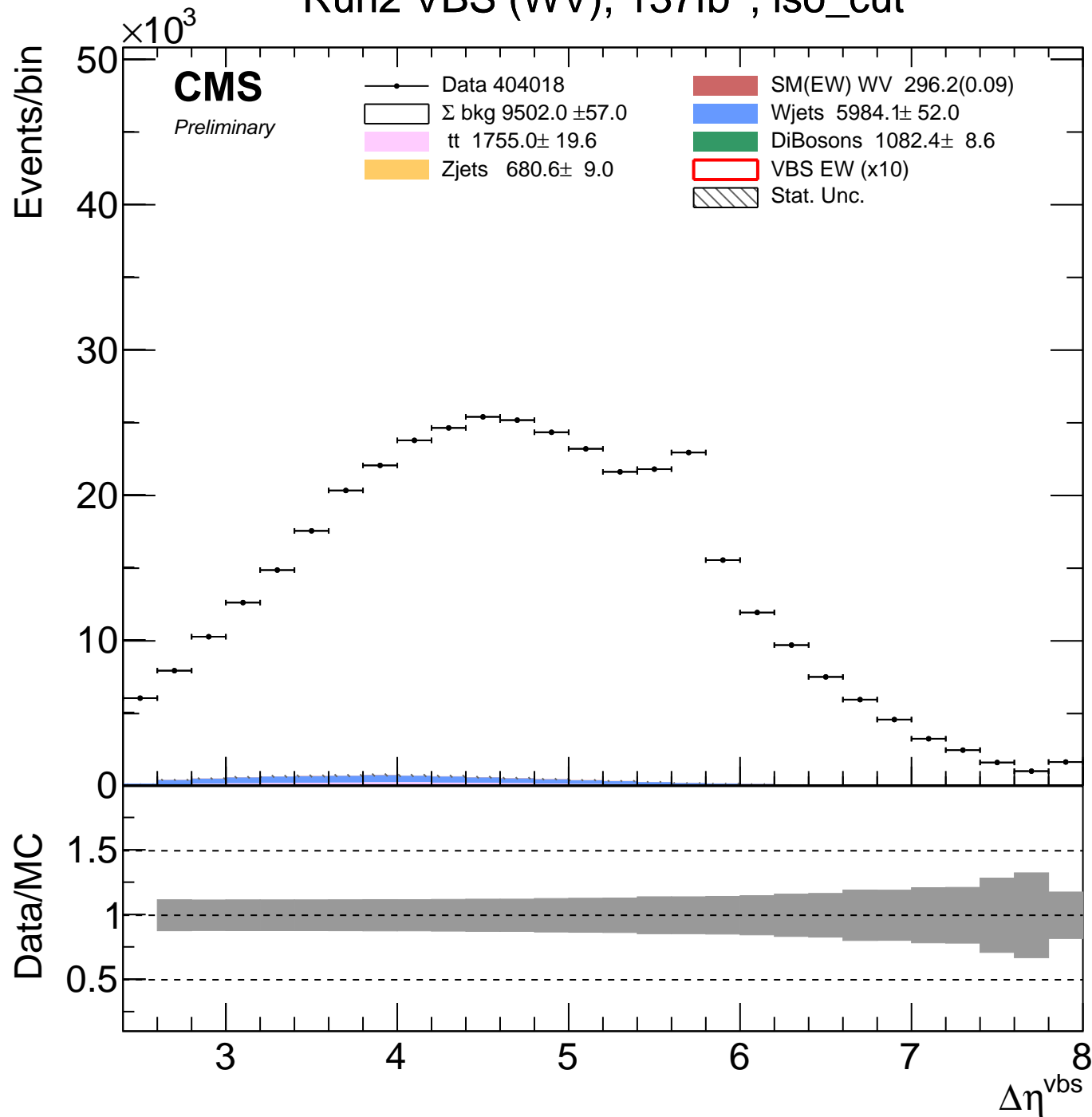
# Run2 VBS (WV), 137fb<sup>-1</sup>, tau21\_cut



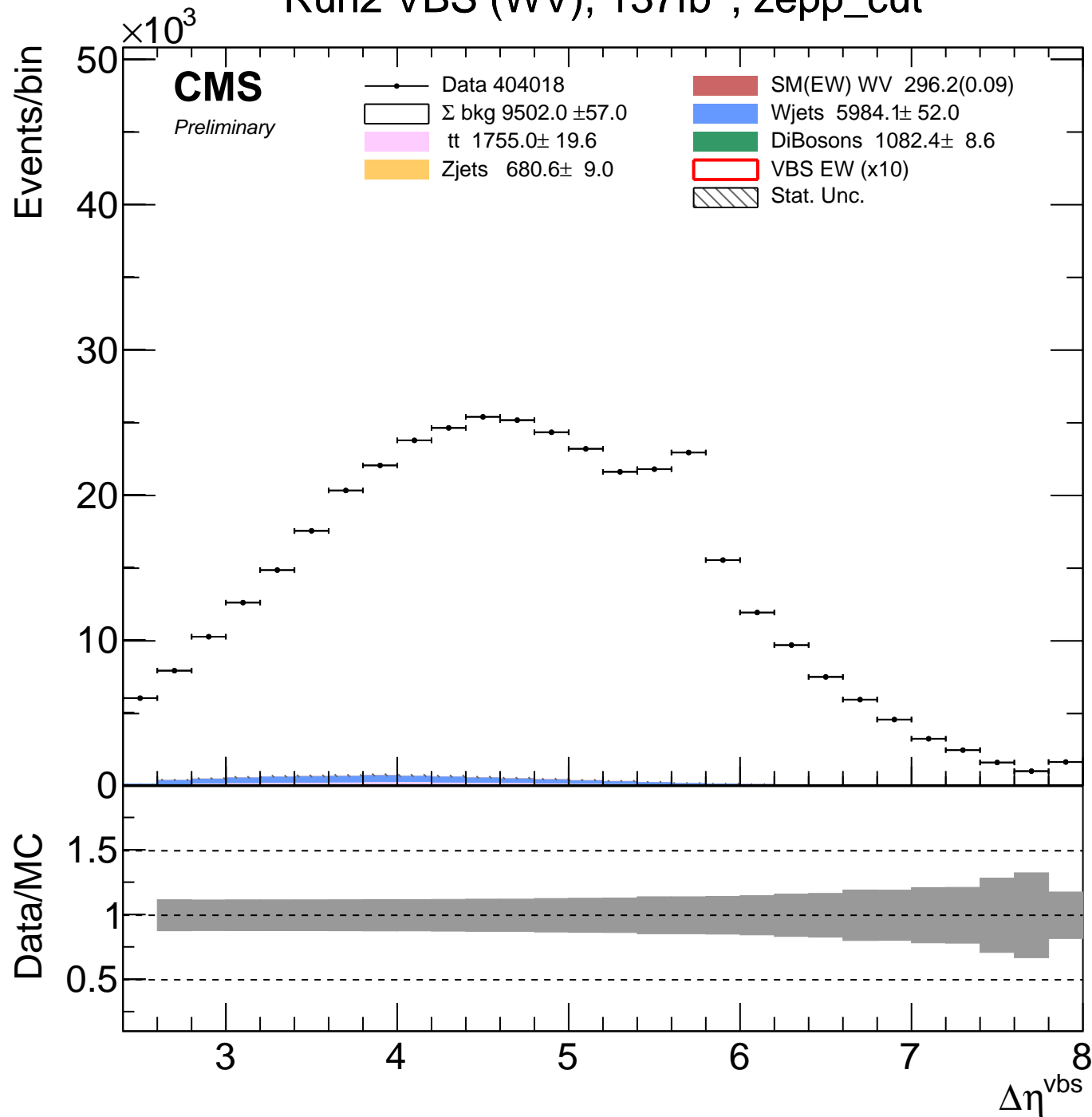
# Run2 VBS (WV), 137fb<sup>-1</sup>, region



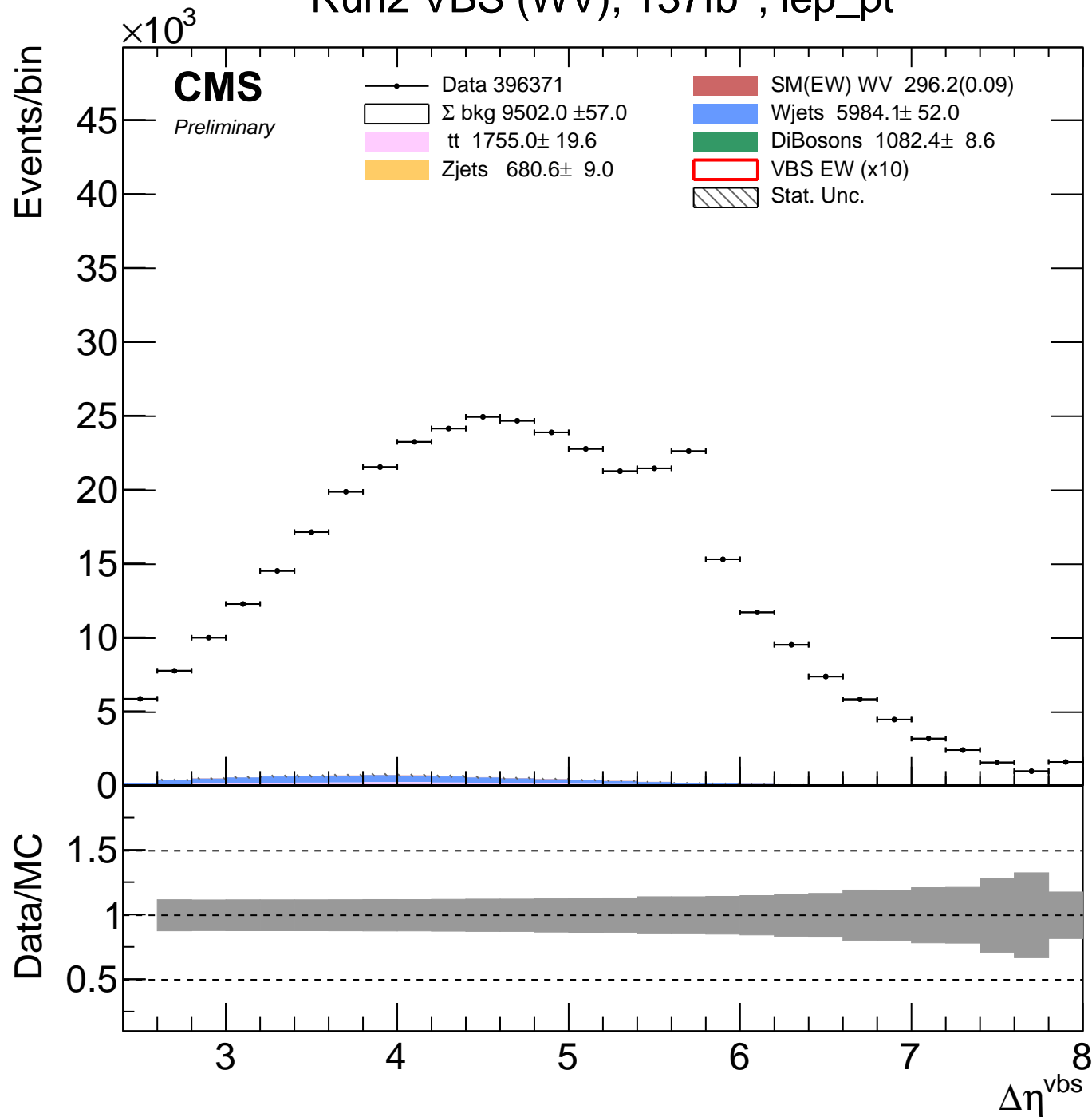
# Run2 VBS (WV), 137fb<sup>-1</sup>, iso\_cut



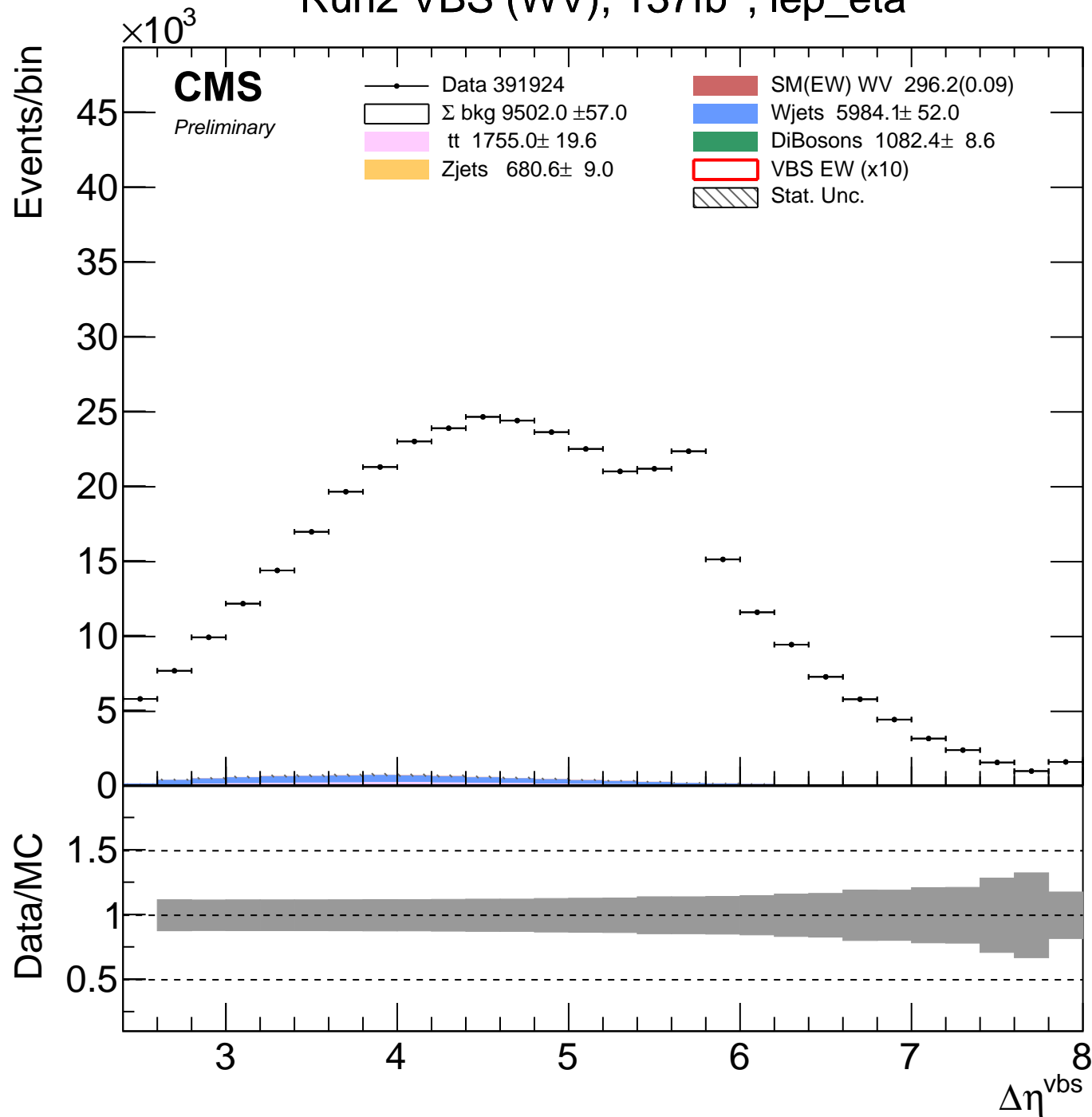
# Run2 VBS (WV), 137fb<sup>-1</sup>, zepp\_cut



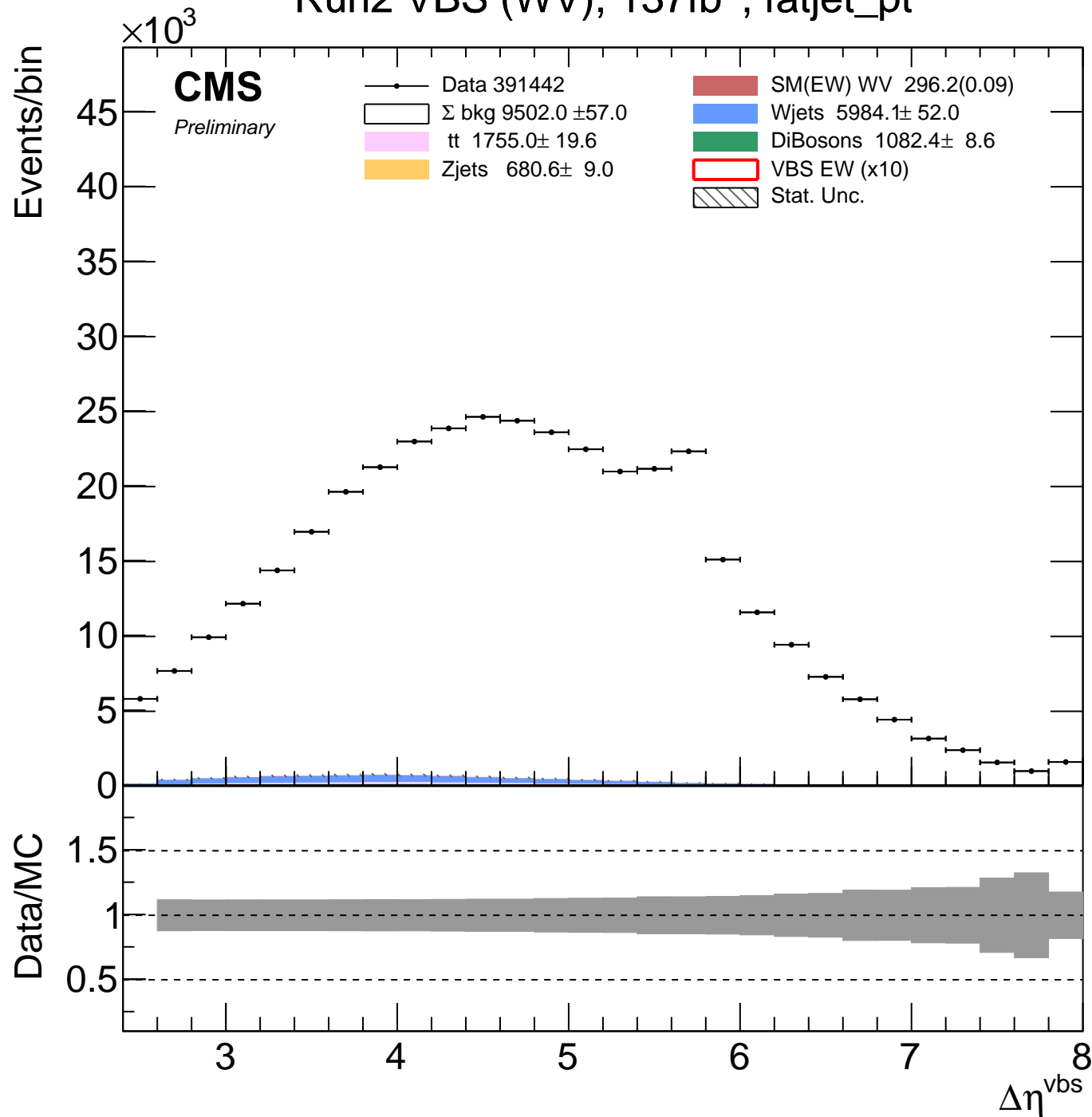
# Run2 VBS (WV), 137fb<sup>-1</sup>, lep\_pt



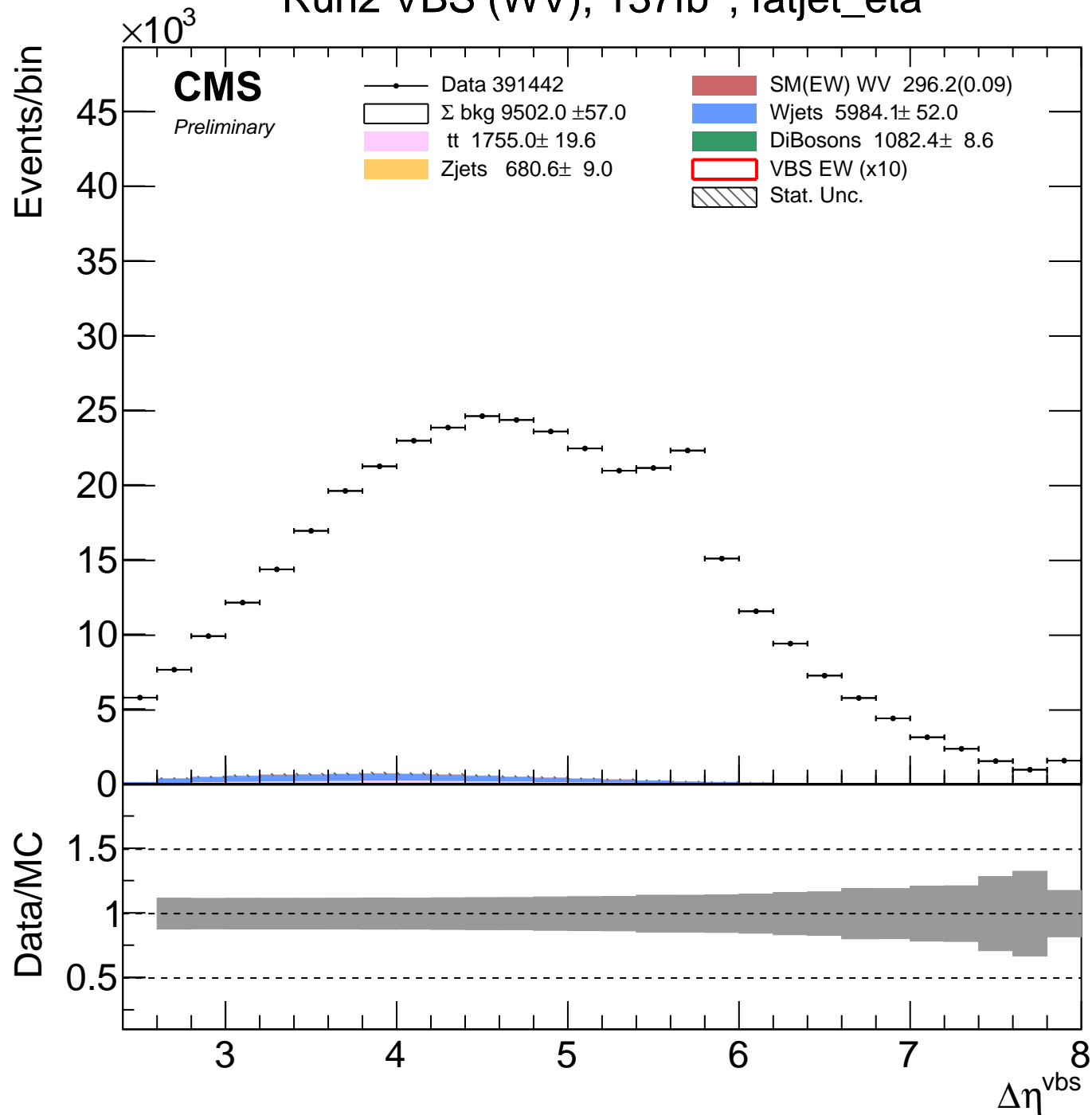
# Run2 VBS (WV), 137fb<sup>-1</sup>, lep\_eta



# Run2 VBS (WV), 137fb<sup>-1</sup>, fatjet\_pt

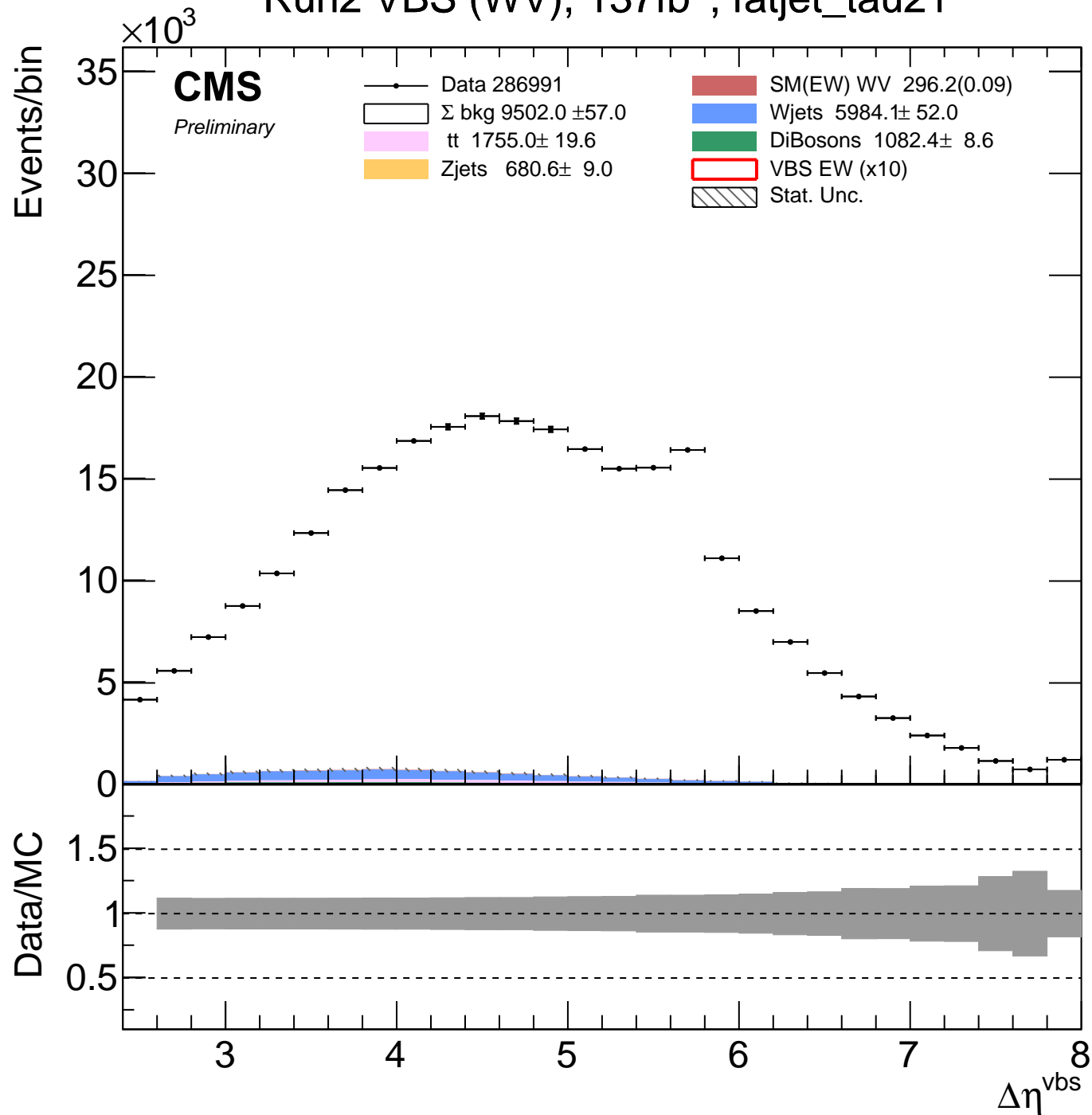


# Run2 VBS (WV), 137fb<sup>-1</sup>, fatjet\_eta

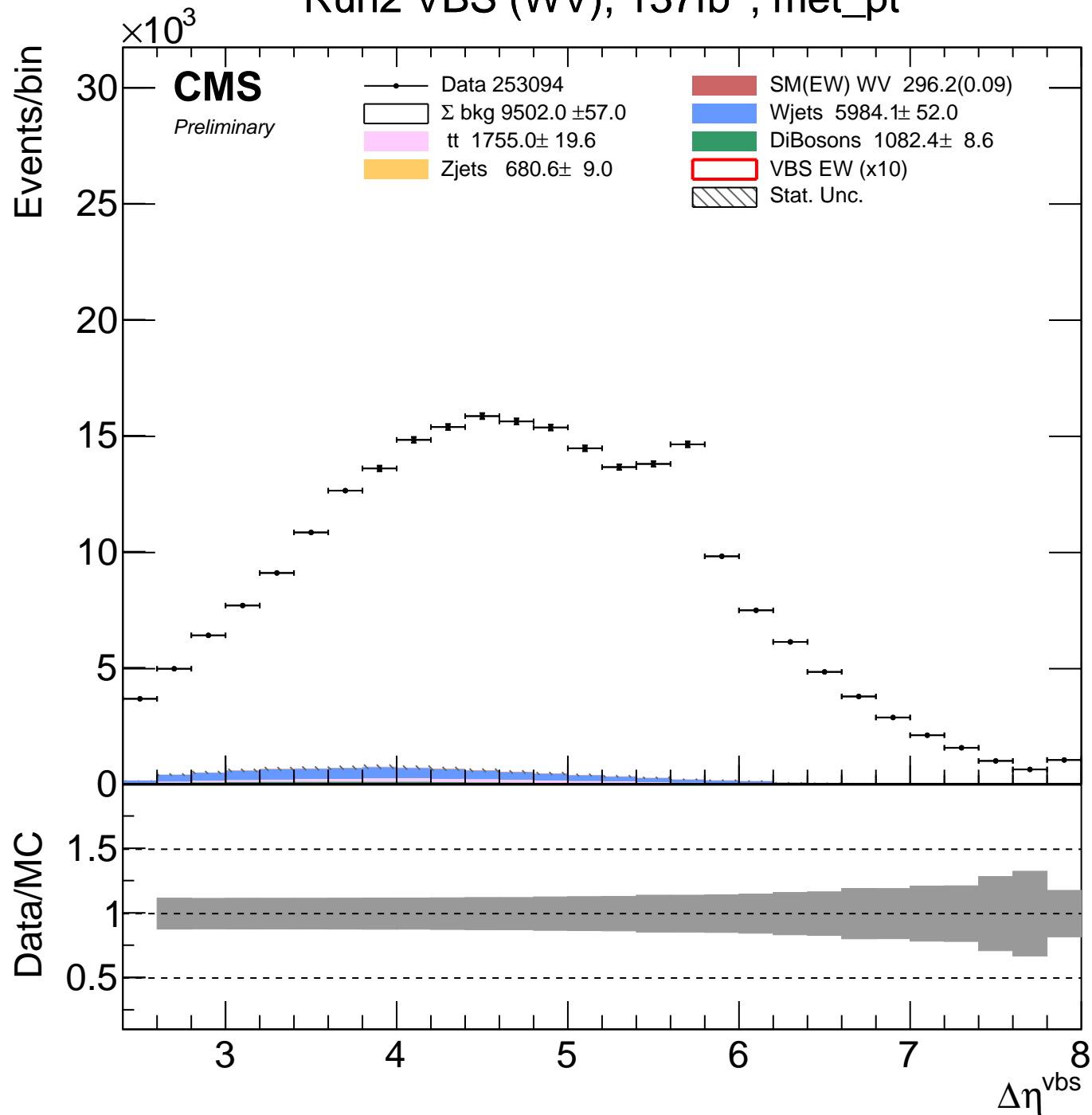




# Run2 VBS (WV), 137fb<sup>-1</sup>, fatjet\_tau21



# Run2 VBS (WV), 137fb<sup>-1</sup>, met\_pt



# Run2 VBS (WV), 137fb<sup>-1</sup>, btag\_veto

Events/bin

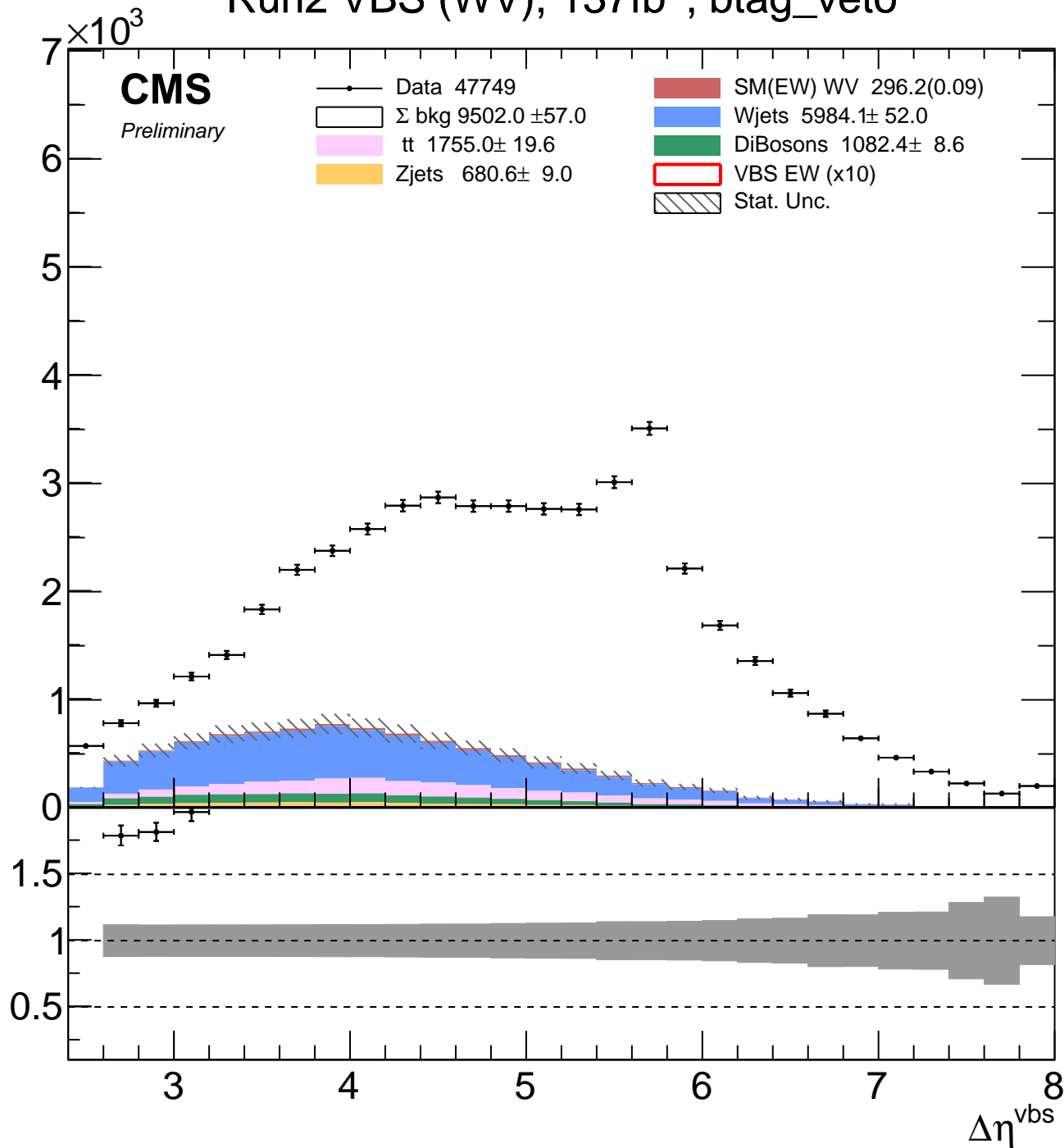
**CMS**

*Preliminary*

—•— Data 47749  
 □  $\Sigma$  bkg 9502.0  $\pm$  57.0  
 ■ tt 1755.0  $\pm$  19.6  
 ■ Zjets 680.6  $\pm$  9.0

■ SM(EW) WV 296.2(0.09)  
 ■ Wjets 5984.1  $\pm$  52.0  
 ■ DiBosons 1082.4  $\pm$  8.6  
 □ VBS EW (x10)  
 ▨ Stat. Unc.

Data/MC



Run2 VBS (WV), 137fb<sup>-1</sup>, vbs\_jets\_mjj

Events/bin

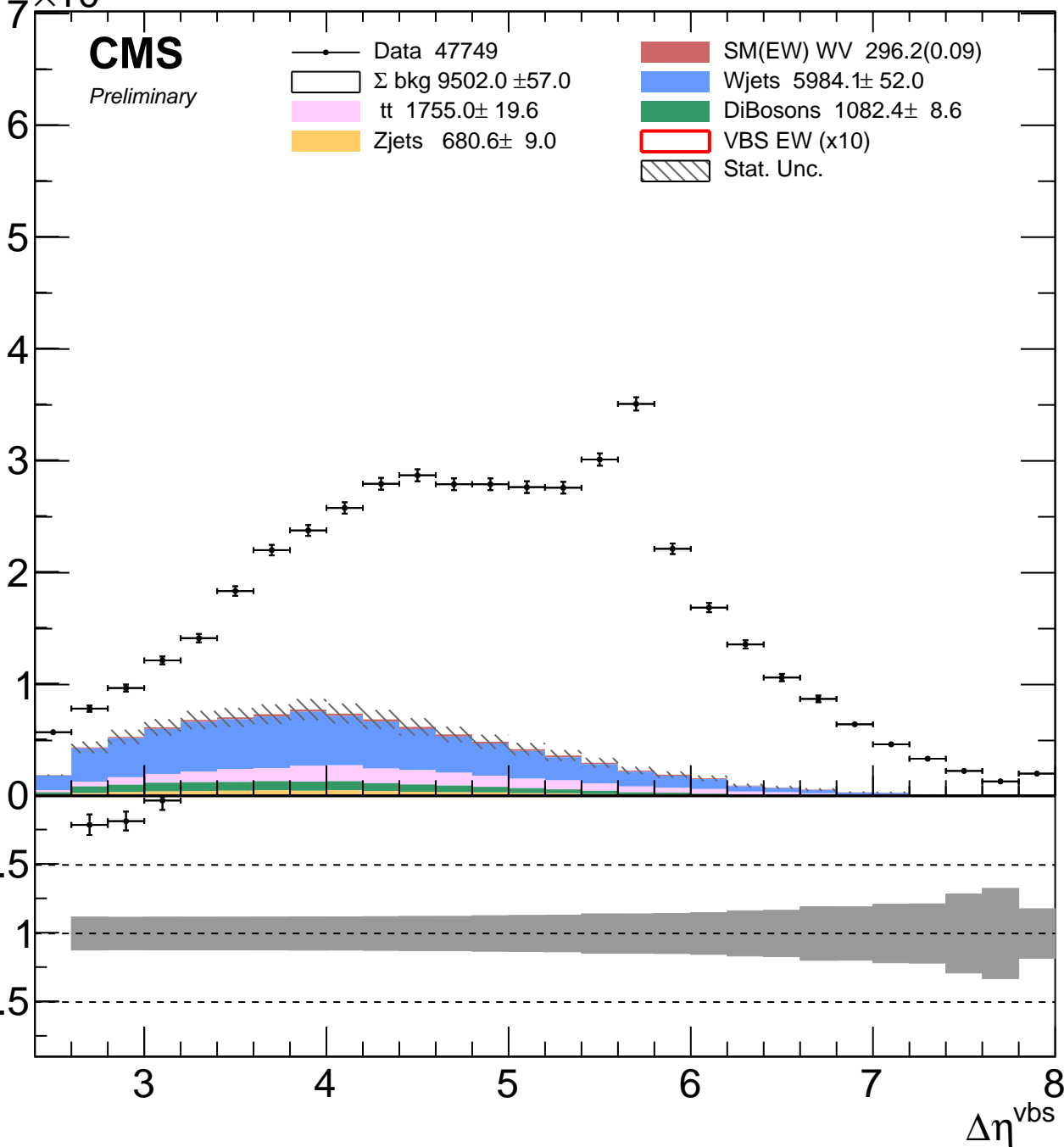
**CMS***Preliminary*

—•— Data 47749  
□  $\Sigma$  bkg 9502.0  $\pm$  57.0  
□ tt 1755.0  $\pm$  19.6  
□ Zjets 680.6  $\pm$  9.0

■ SM(EW) WV 296.2(0.09)  
■ Wjets 5984.1  $\pm$  52.0  
■ DiBosons 1082.4  $\pm$  8.6  
□ VBS EW (x10)  
▨ Stat. Unc.

Data/MC

1.5  
1  
0.5

 $\Delta\eta^{\text{vbs}}$ 

Run2 VBS (WV), 137fb<sup>-1</sup>, vbs\_delta\_eta

Events/bin

**CMS***Preliminary*

—•— Data 46183  
□  $\Sigma$  bkg 9502.0  $\pm$  57.0  
■ tt 1755.0  $\pm$  19.6  
■ Zjets 680.6  $\pm$  9.0

■ SM(EW) WV 296.2(0.09)  
■ Wjets 5984.1  $\pm$  52.0  
■ DiBosons 1082.4  $\pm$  8.6  
□ VBS EW (x10)  
▨ Stat. Unc.

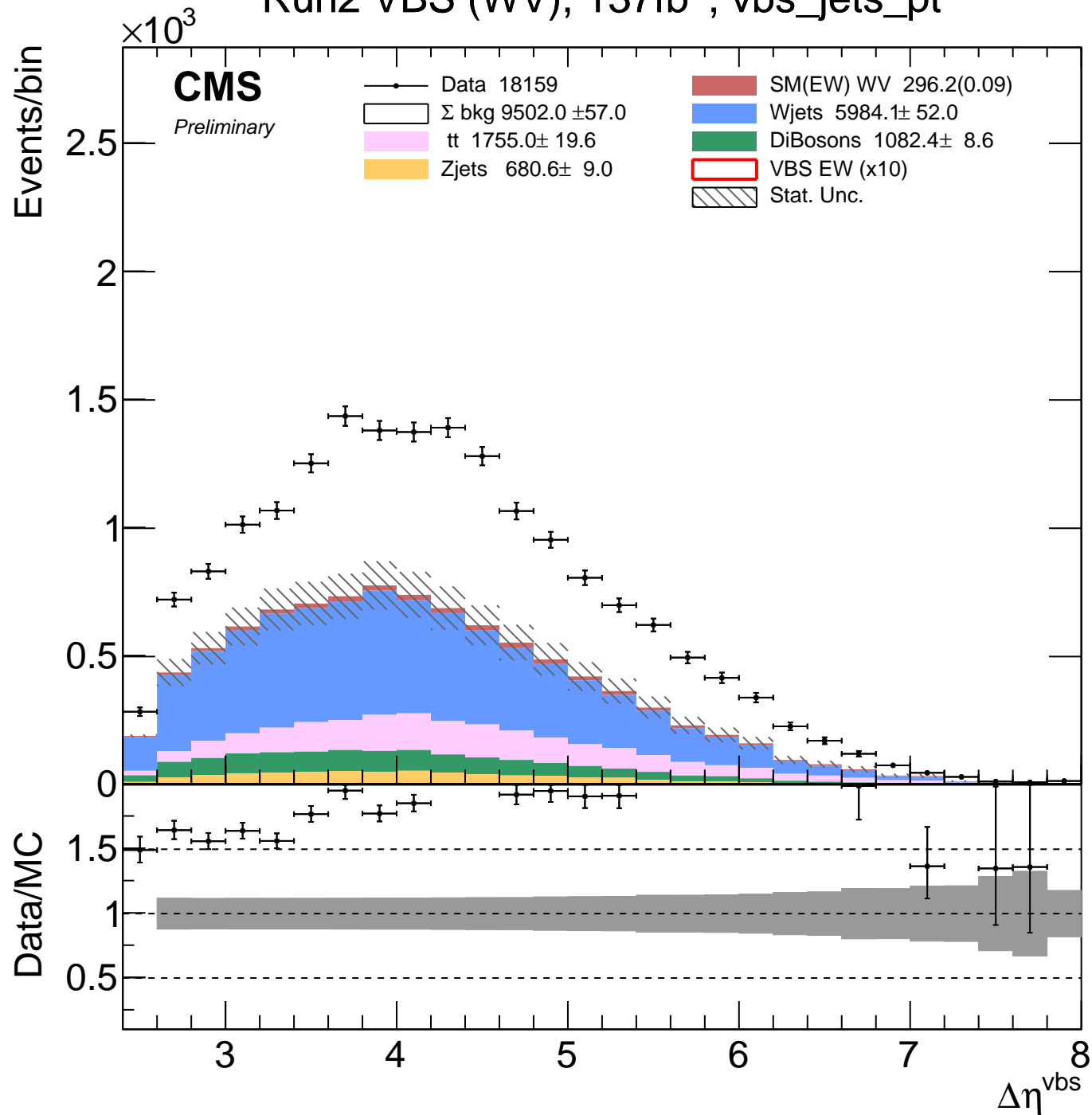
Data/MC

1.5  
1  
0.5

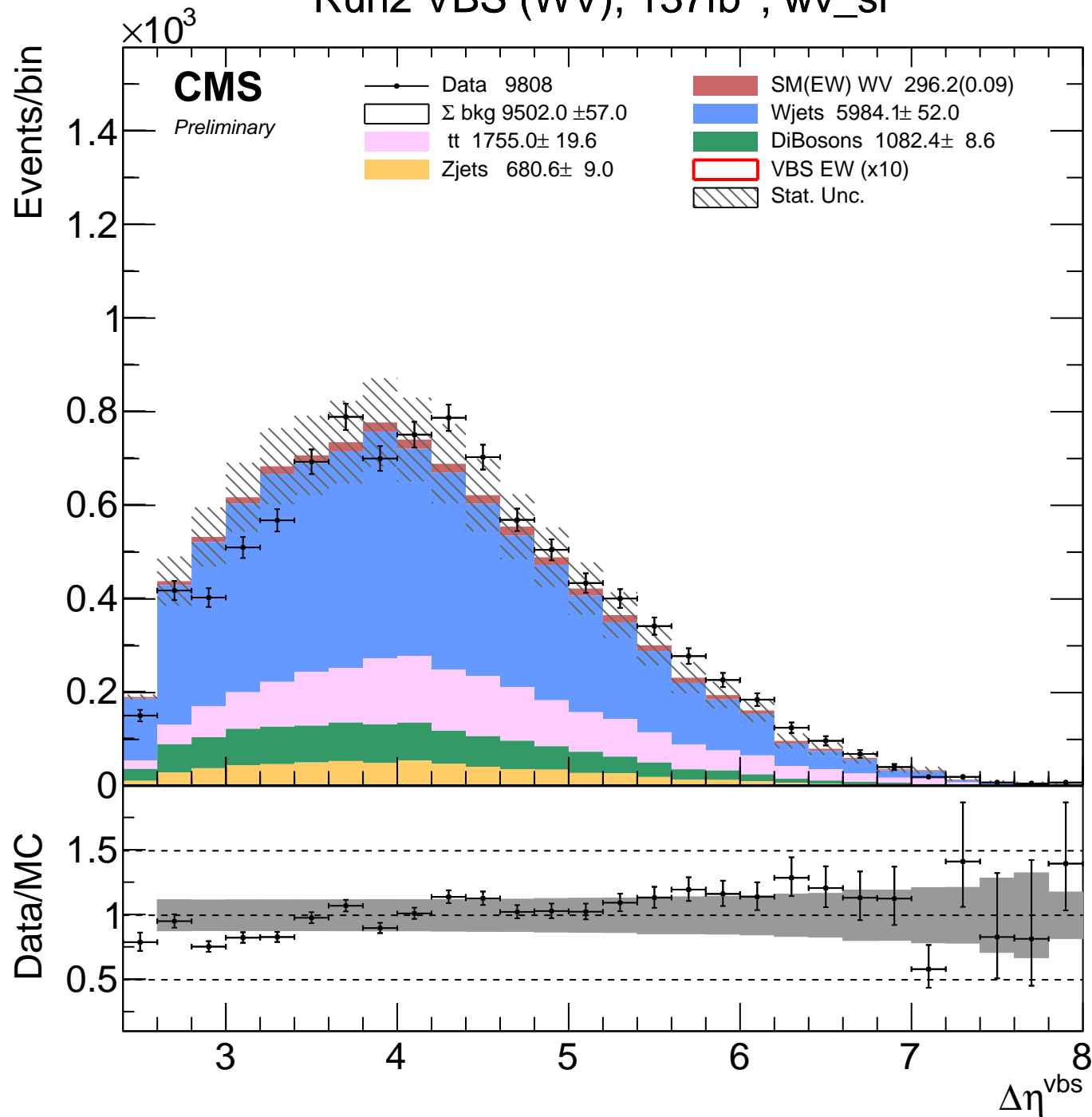
 $\Delta\eta^{\text{vbs}}$ 

8

# Run2 VBS (WV), 137fb<sup>-1</sup>, vbs\_jets\_pt



# Run2 VBS (WV), 137fb<sup>-1</sup>, vv\_sr



# Run2 VBS (WV), 137fb<sup>-1</sup>, DNN\_GPU\_cut\_Run2\_sr

