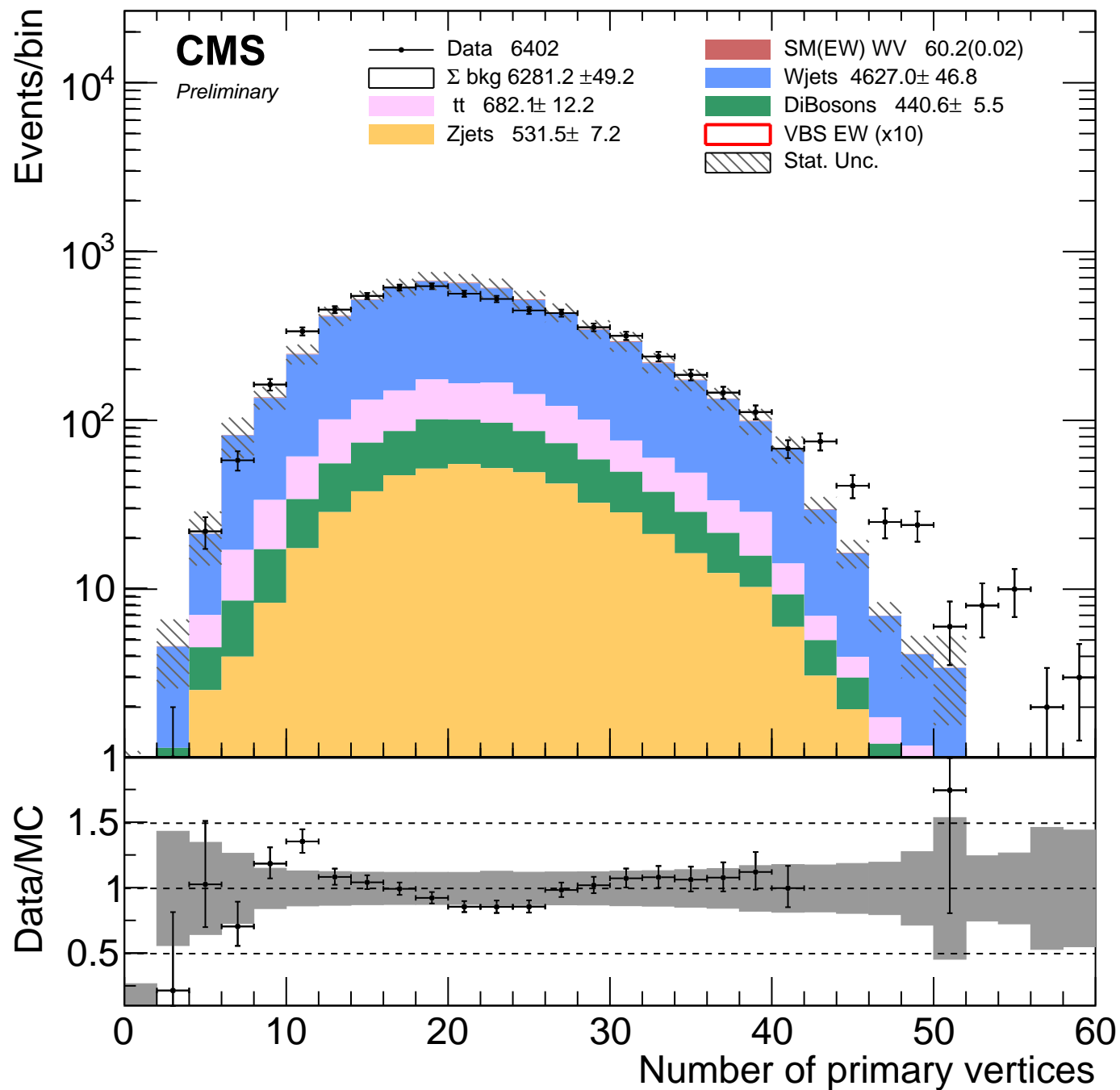
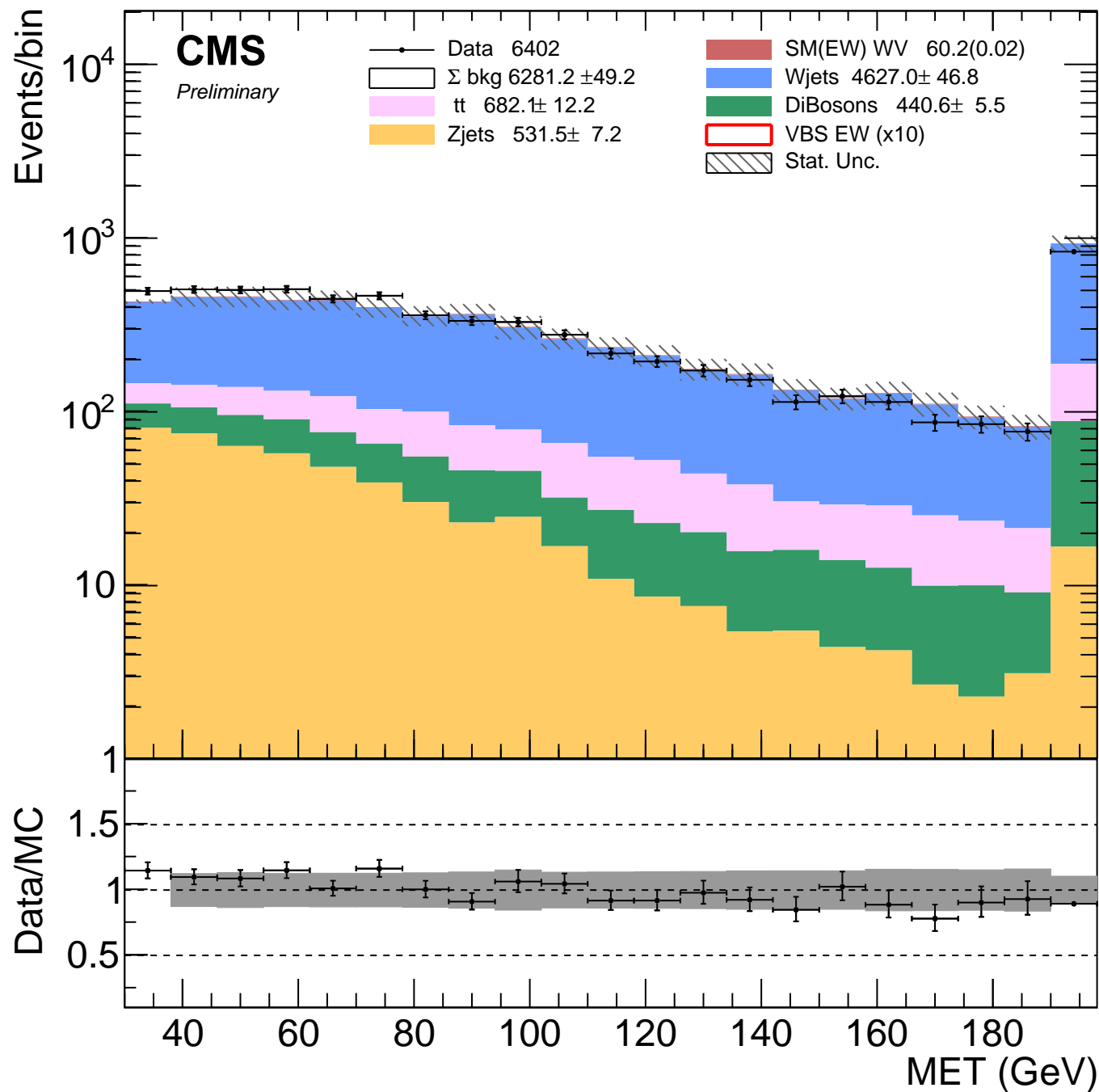


137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)

Events/bin

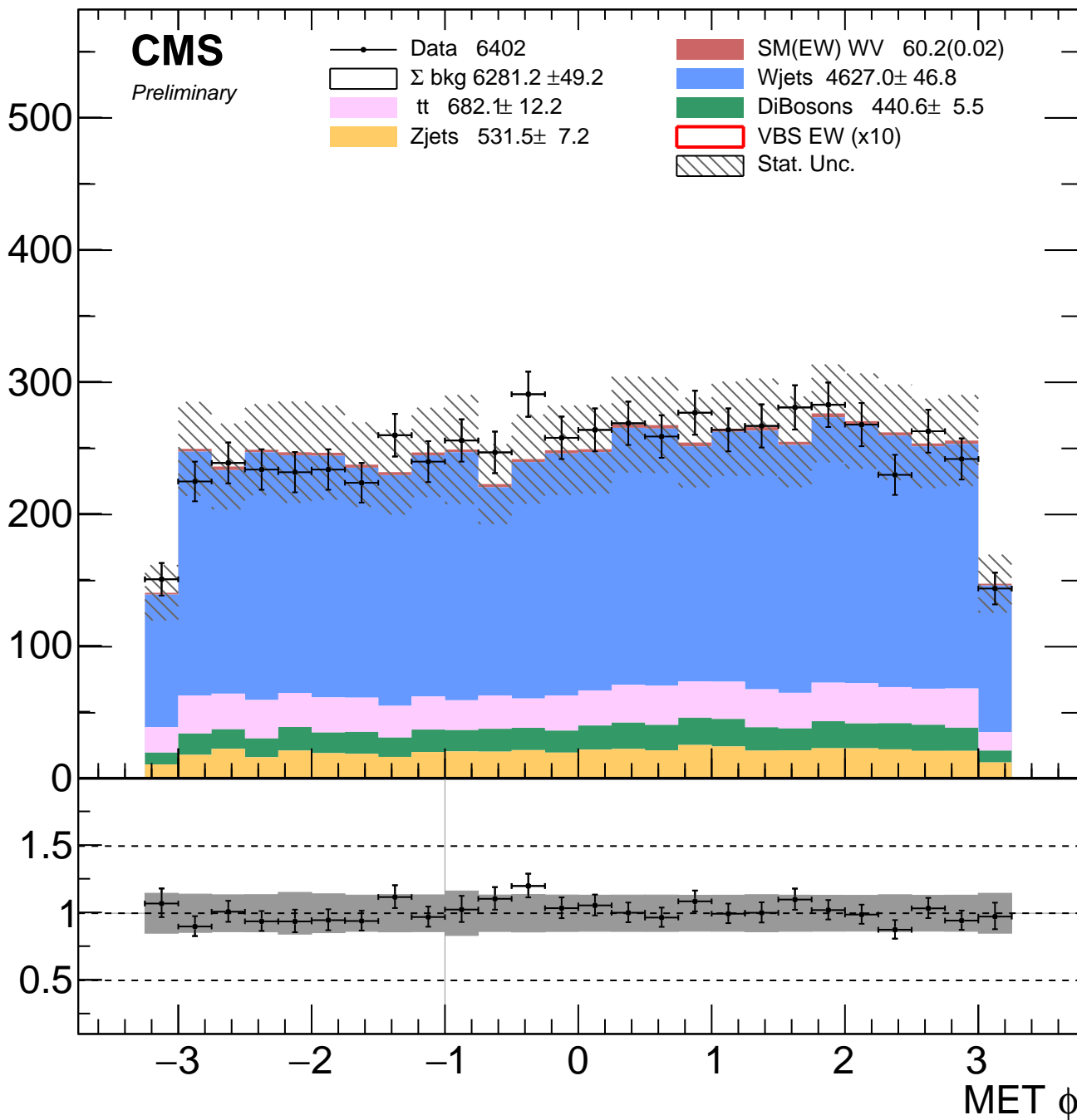
**CMS**

*Preliminary*

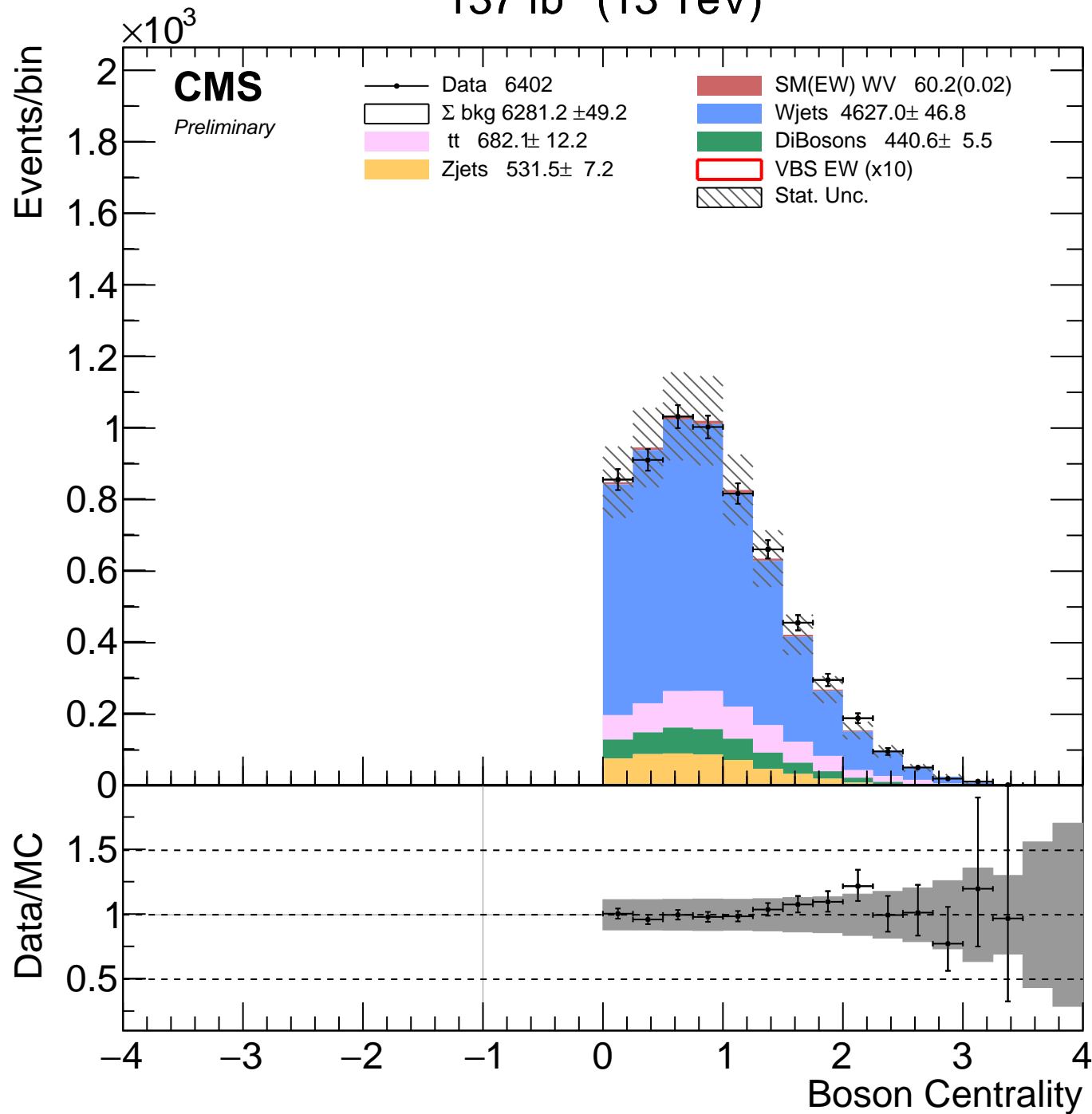
—•— Data 6402  
□  $\Sigma$  bkg 6281.2  $\pm$  49.2  
■ tt 682.1  $\pm$  12.2  
■ Zjets 531.5  $\pm$  7.2

■ SM(EW) WV 60.2(0.02)  
■ Wjets 4627.0  $\pm$  46.8  
■ DiBosons 440.6  $\pm$  5.5  
□ VBS EW (x10)  
▨ Stat. Unc.

Data/MC



137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)

×10<sup>3</sup>

**CMS**

*Preliminary*

—•— Data 6402  
 □  $\Sigma$  bkg 6281.2 ± 49.2  
 ■ tt 682.1 ± 12.2  
 ■ Zjets 531.5 ± 7.2

■ SM(EW) WV 60.2(0.02)  
 ■ Wjets 4627.0 ± 46.8  
 ■ DiBosons 440.6 ± 5.5  
 □ VBS EW (x10)  
 ▨ Stat. Unc.

Events/bin

2.5

1.5

1.0

0.5

0

Data/MC

1.5

1.0

0.5

40

60

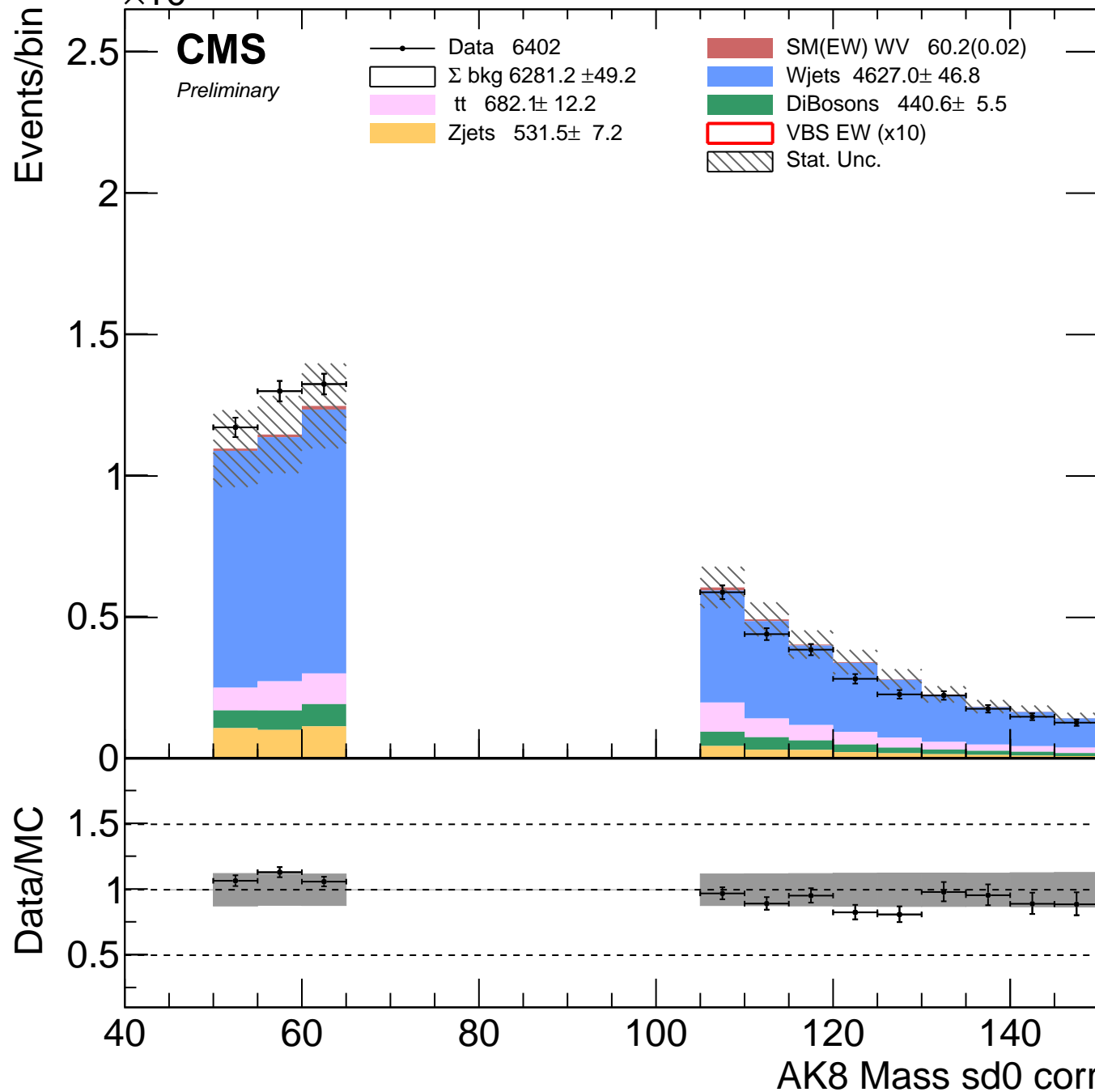
80

100

120

140

AK8 Mass sd0 corr



137 fb<sup>-1</sup> (13 TeV)

Events/bin

**CMS**

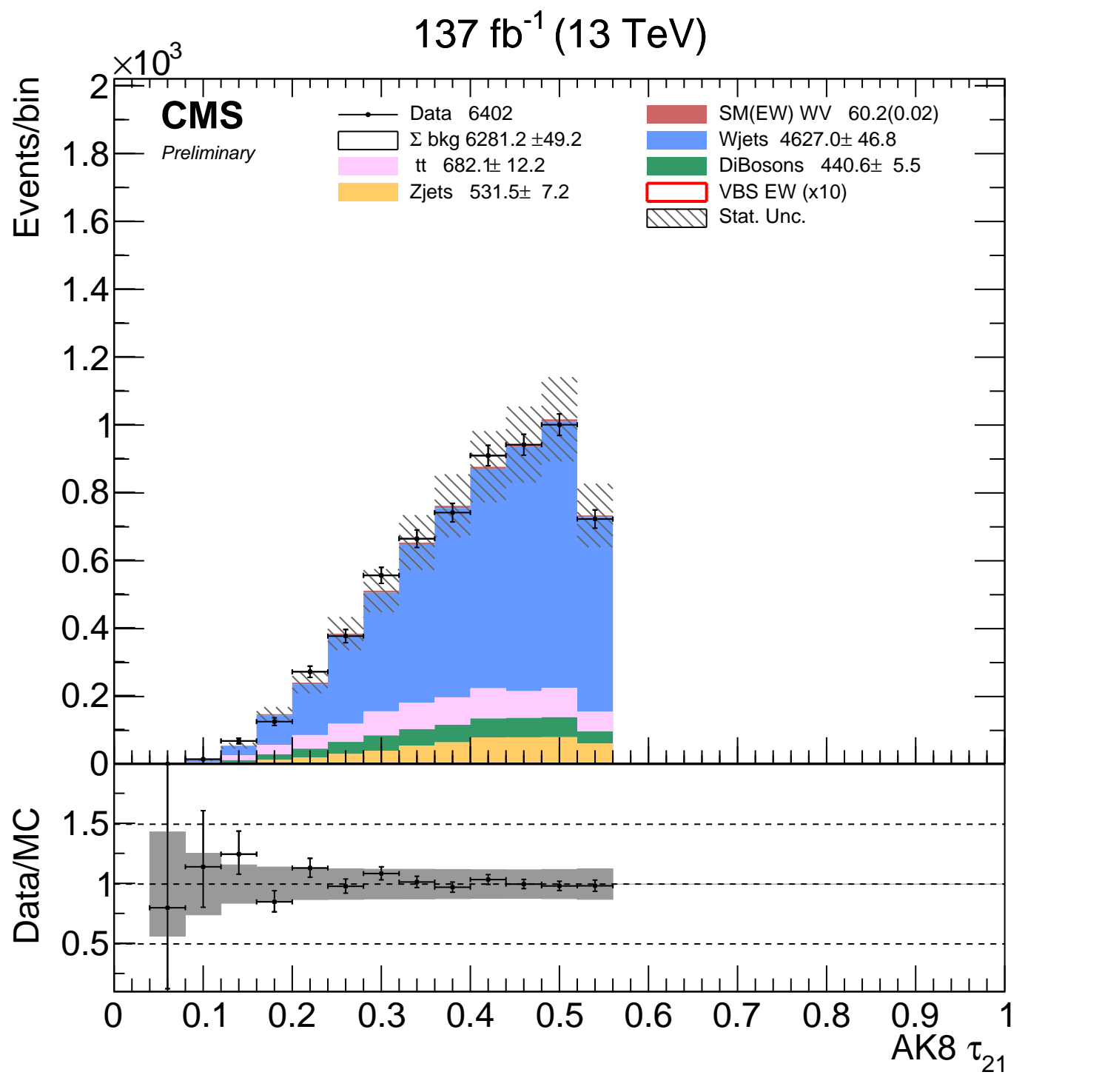
*Preliminary*

—•— Data 6402  
 □  $\Sigma$  bkg 6281.2  $\pm$  49.2  
 ■ tt 682.1  $\pm$  12.2  
 ■ Zjets 531.5  $\pm$  7.2

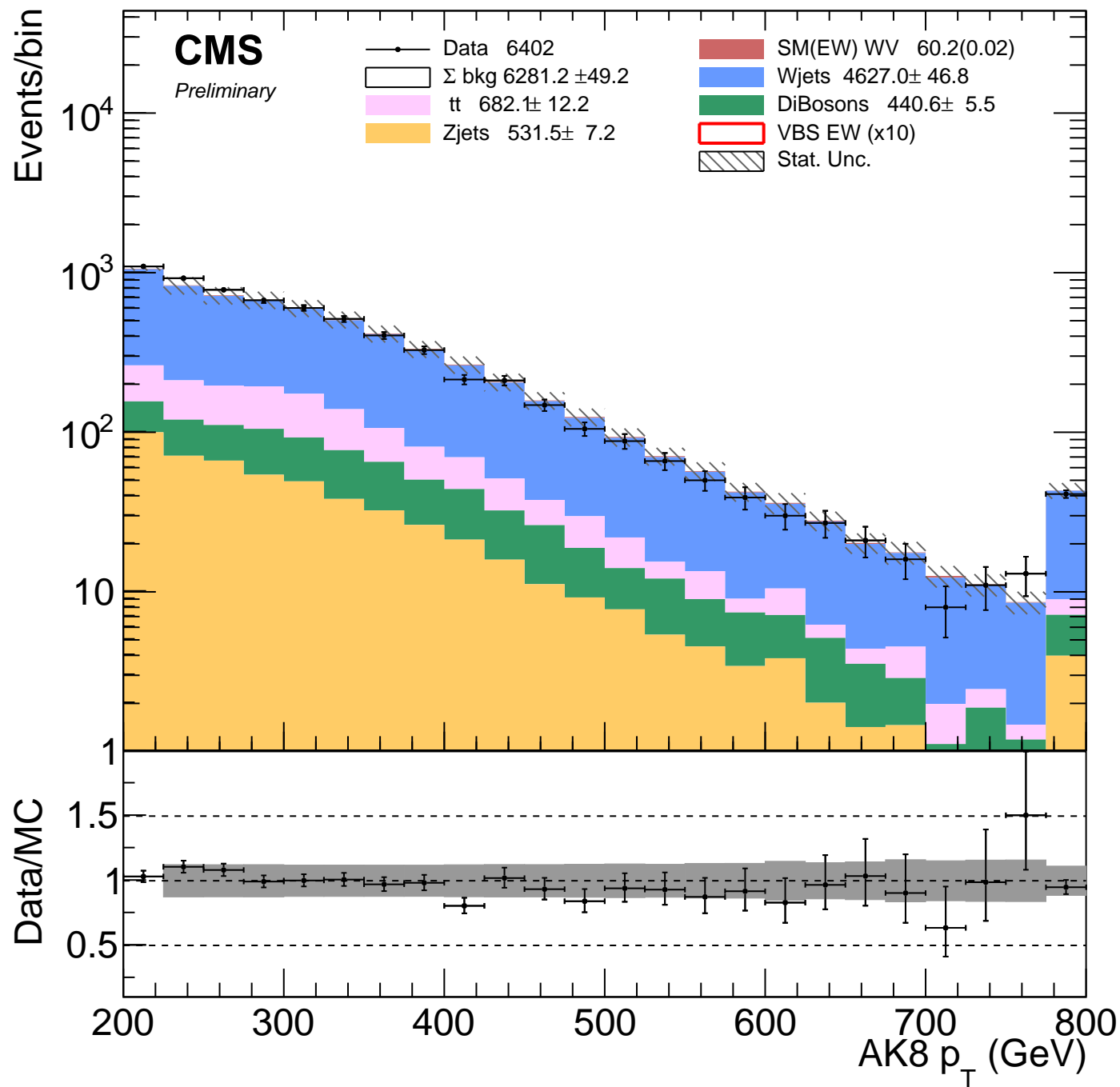
■ SM(EW) WV 60.2(0.02)  
 ■ Wjets 4627.0  $\pm$  46.8  
 ■ DiBosons 440.6  $\pm$  5.5  
 □ VBS EW (x10)  
 ▨ Stat. Unc.

Data/MC

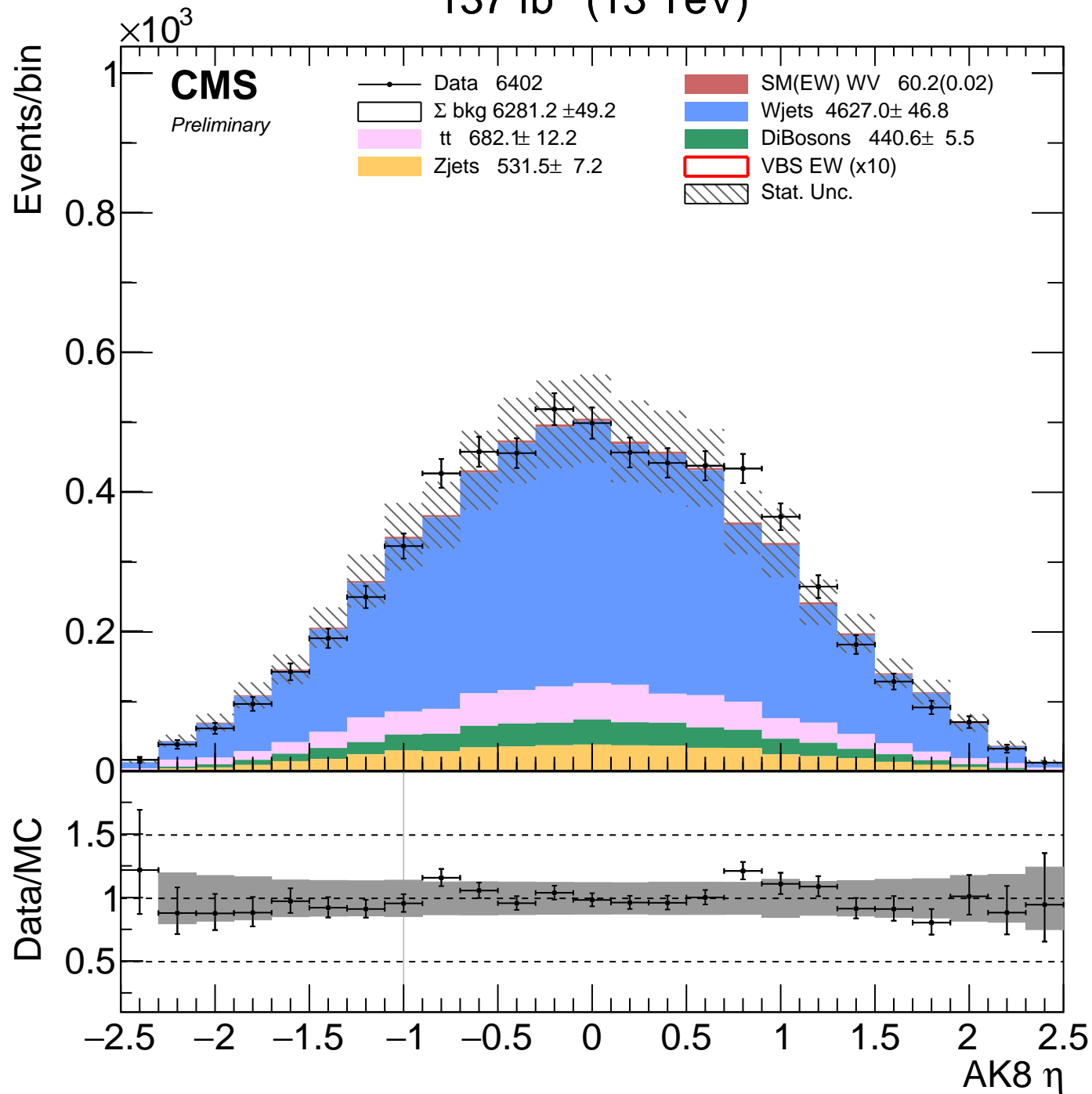
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1  
 AK8  $\tau_{21}$



137 fb<sup>-1</sup> (13 TeV)

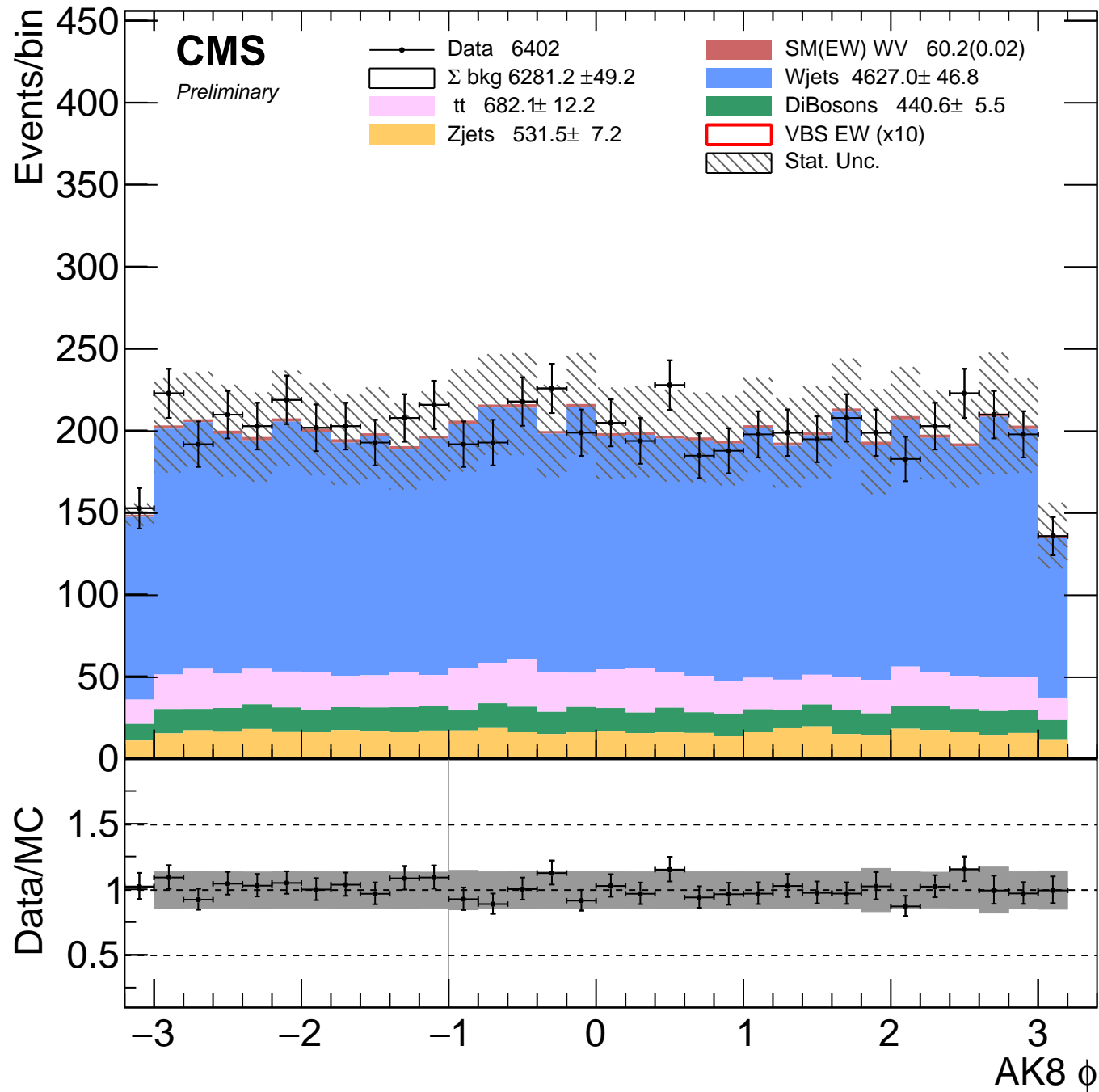


137 fb<sup>-1</sup> (13 TeV)

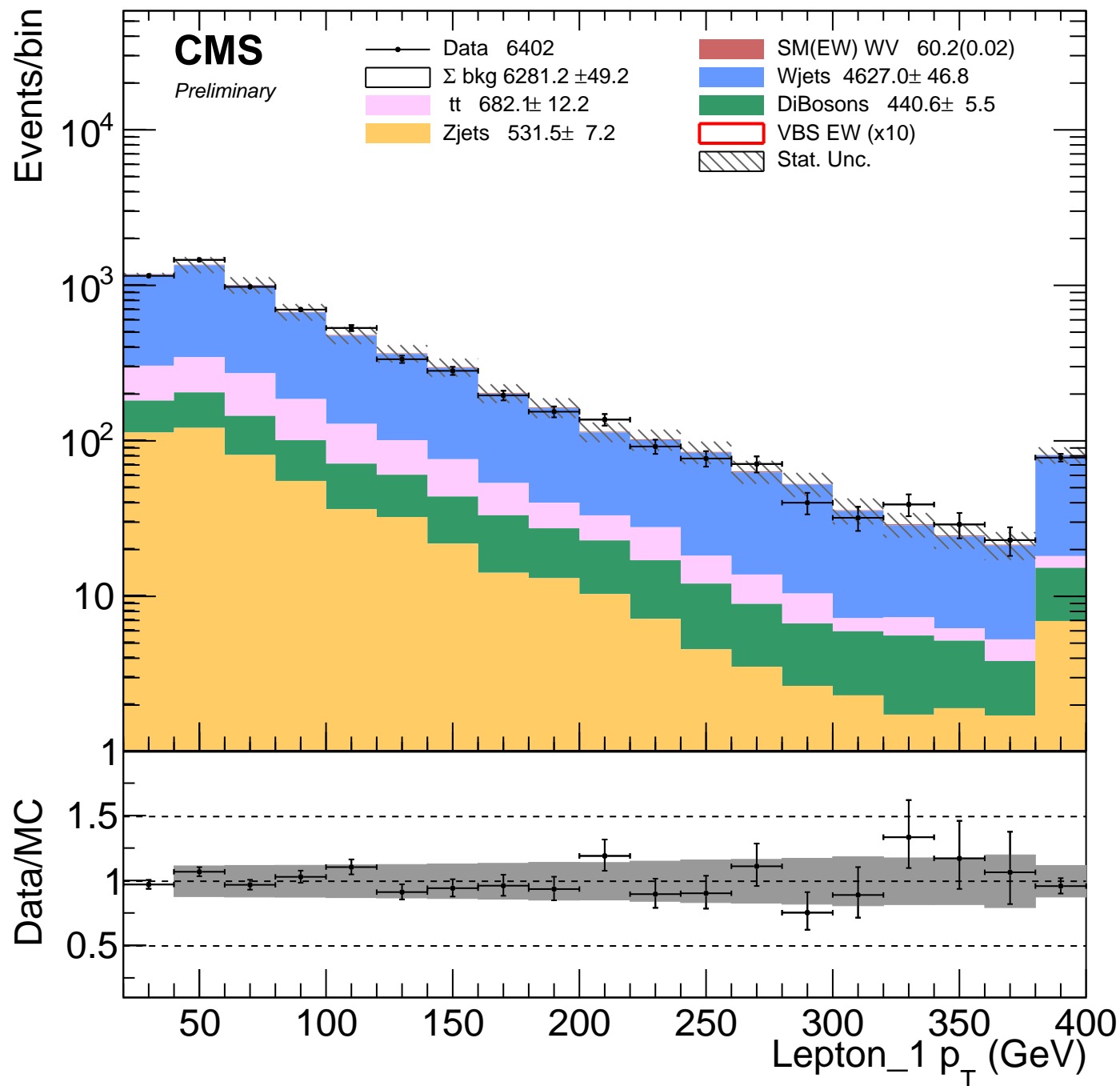




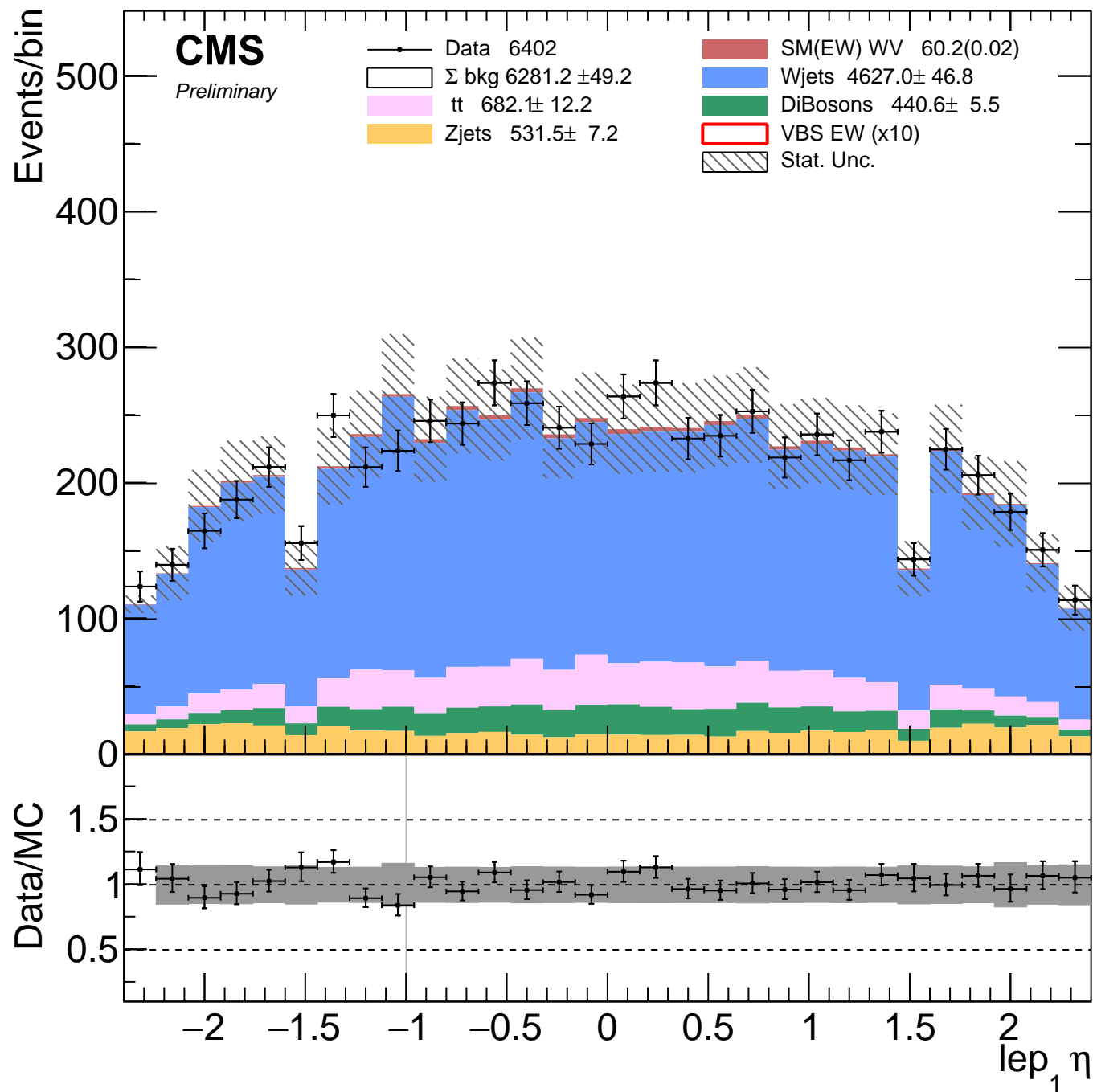
137 fb<sup>-1</sup> (13 TeV)



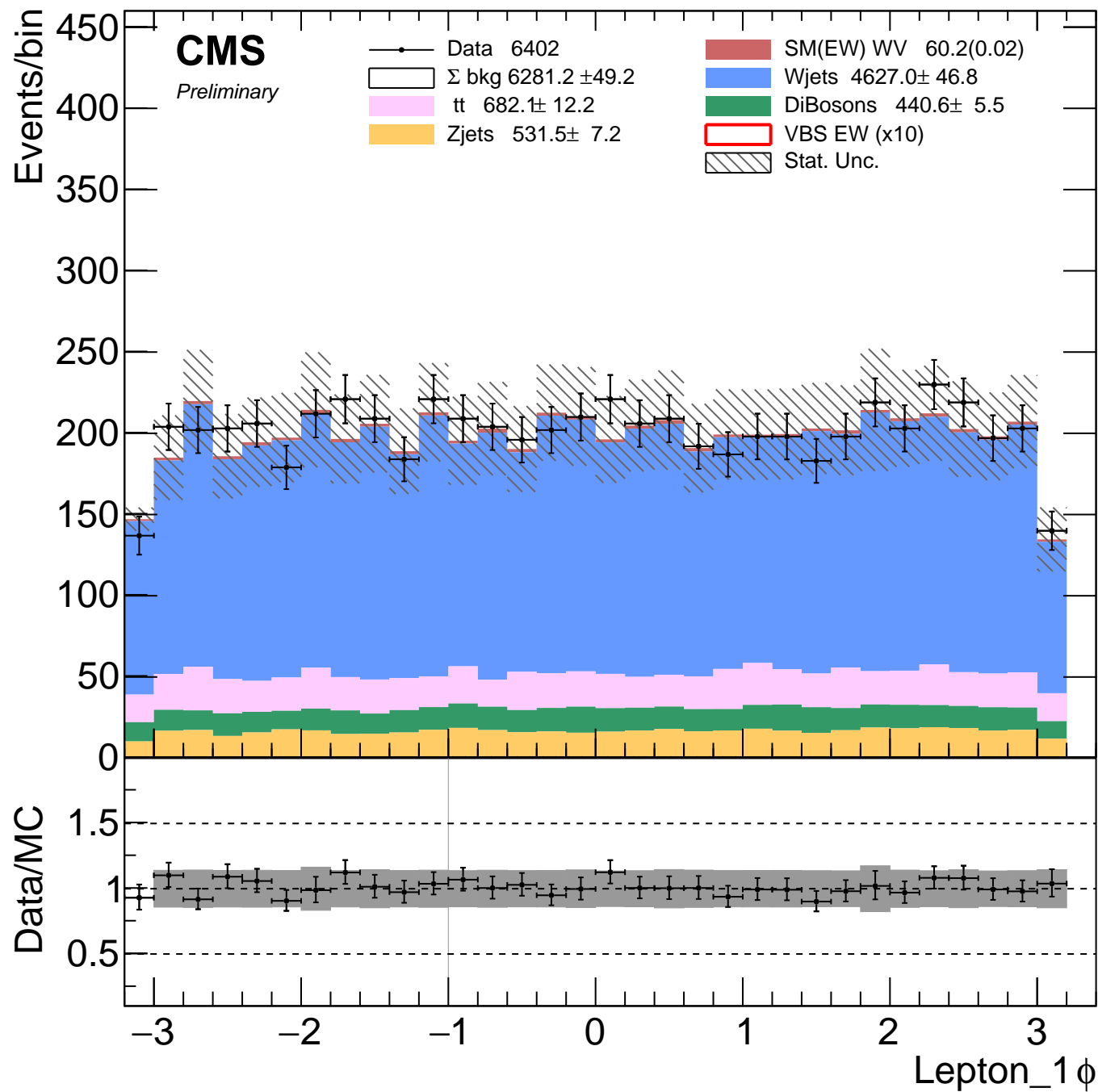
137 fb<sup>-1</sup> (13 TeV)



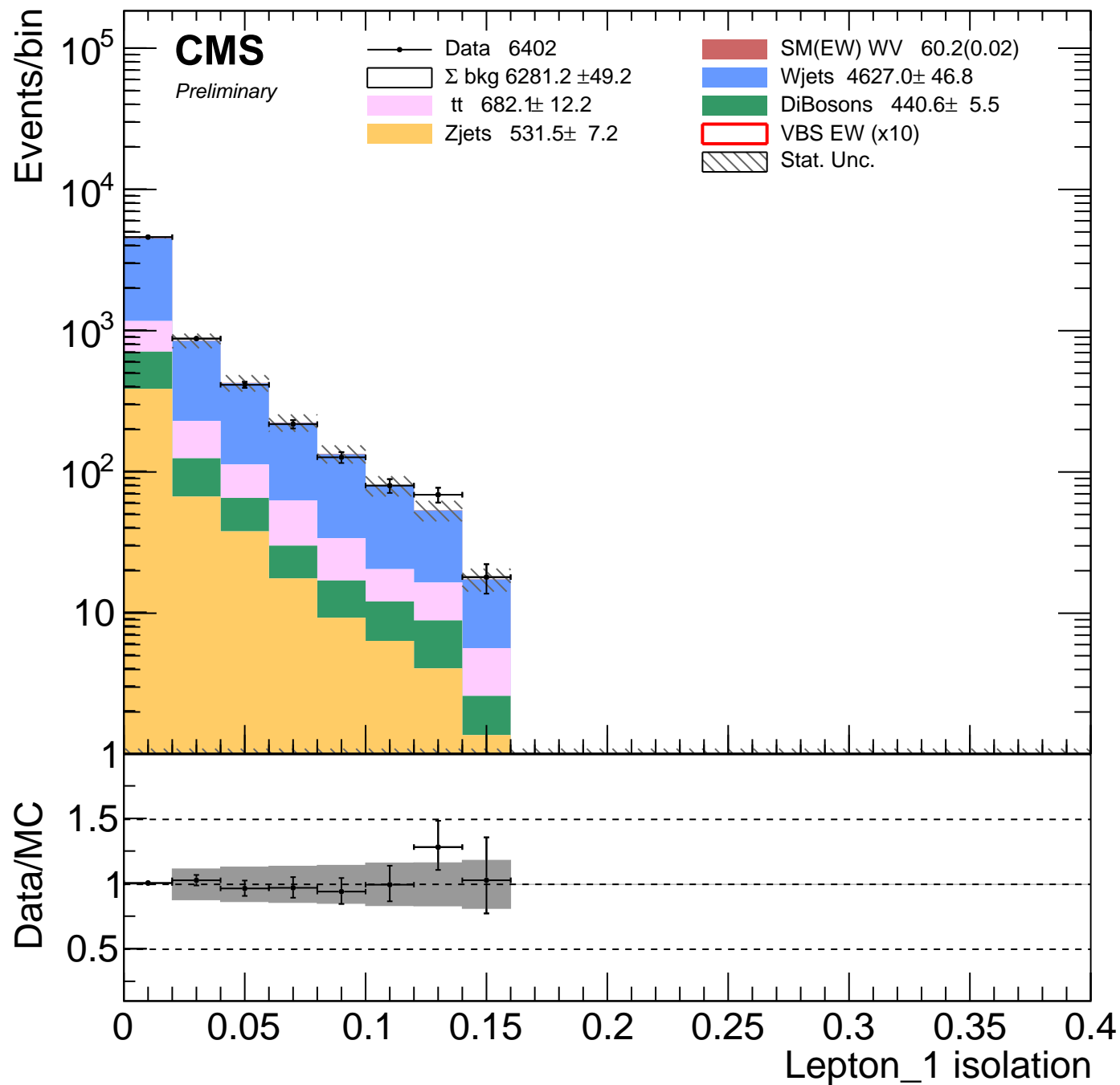
137 fb<sup>-1</sup> (13 TeV)



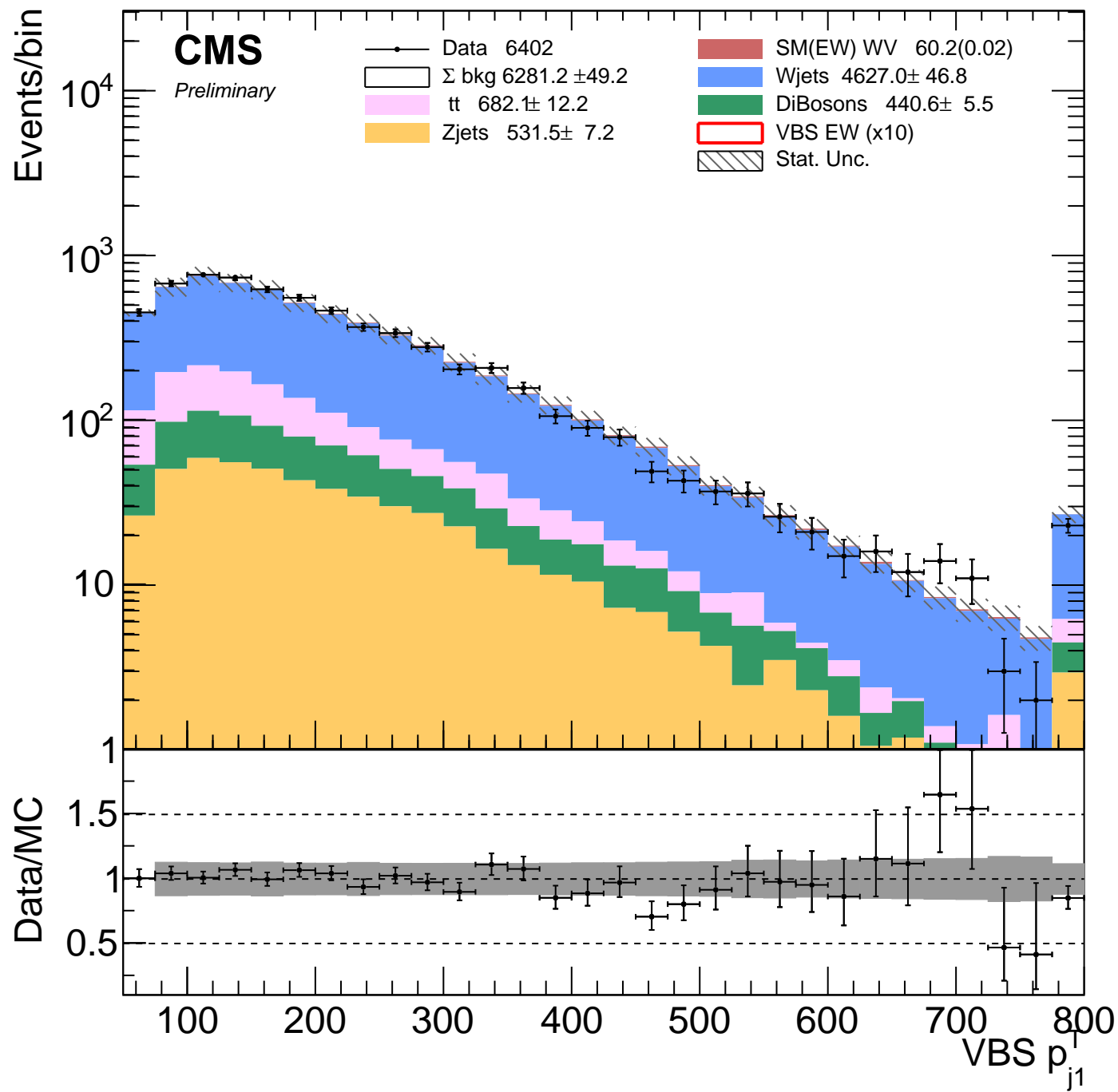
137 fb<sup>-1</sup> (13 TeV)



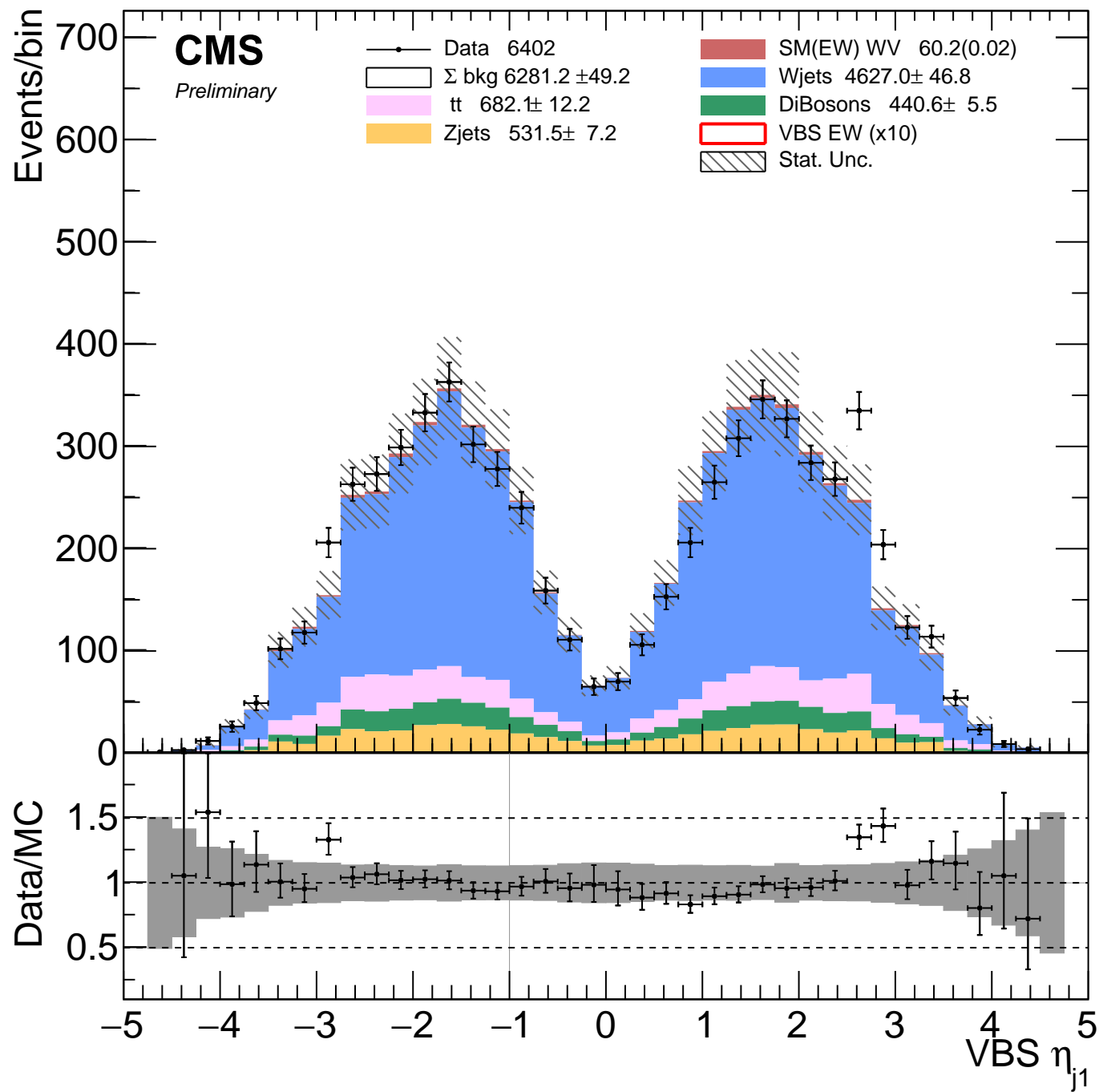
137 fb<sup>-1</sup> (13 TeV)



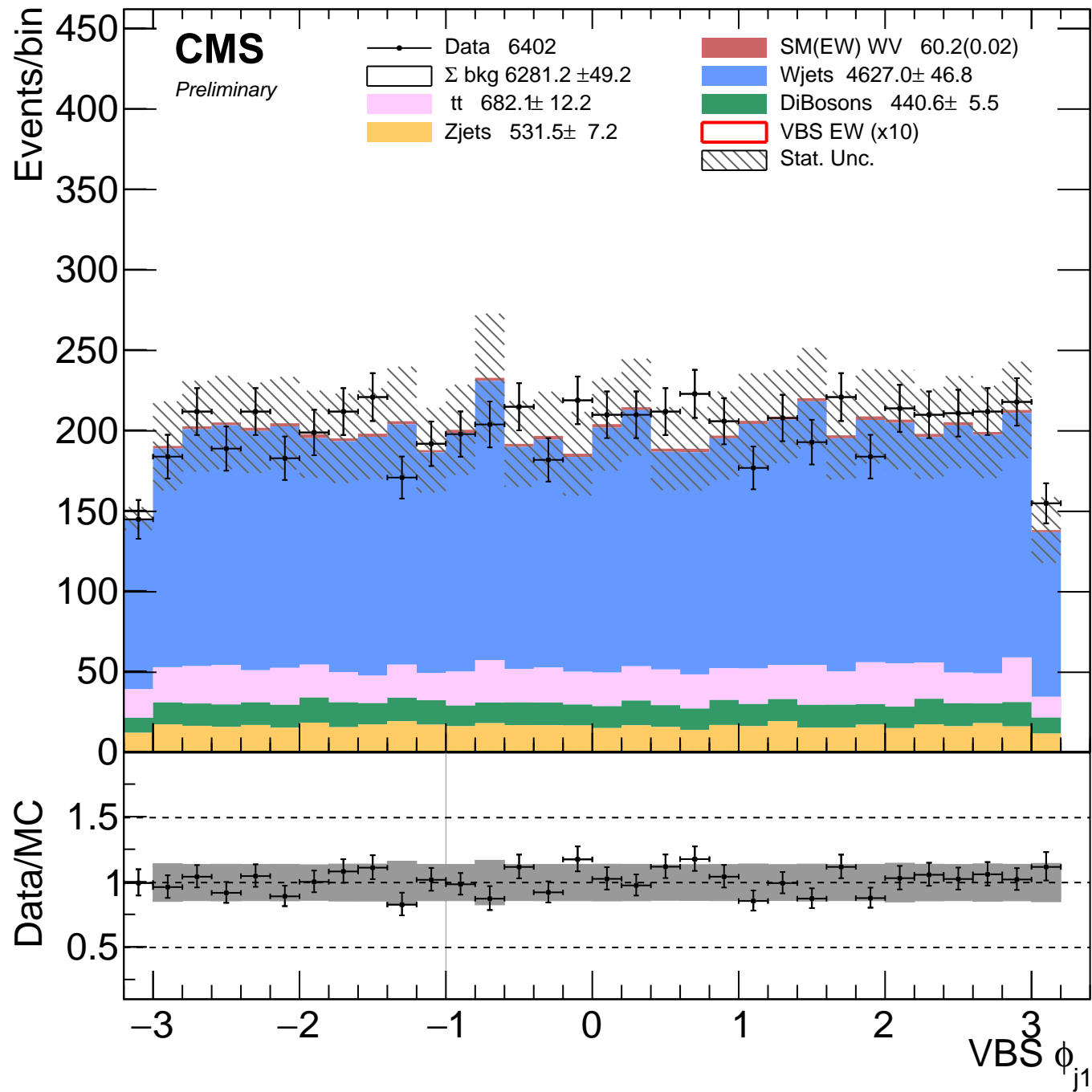
137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)

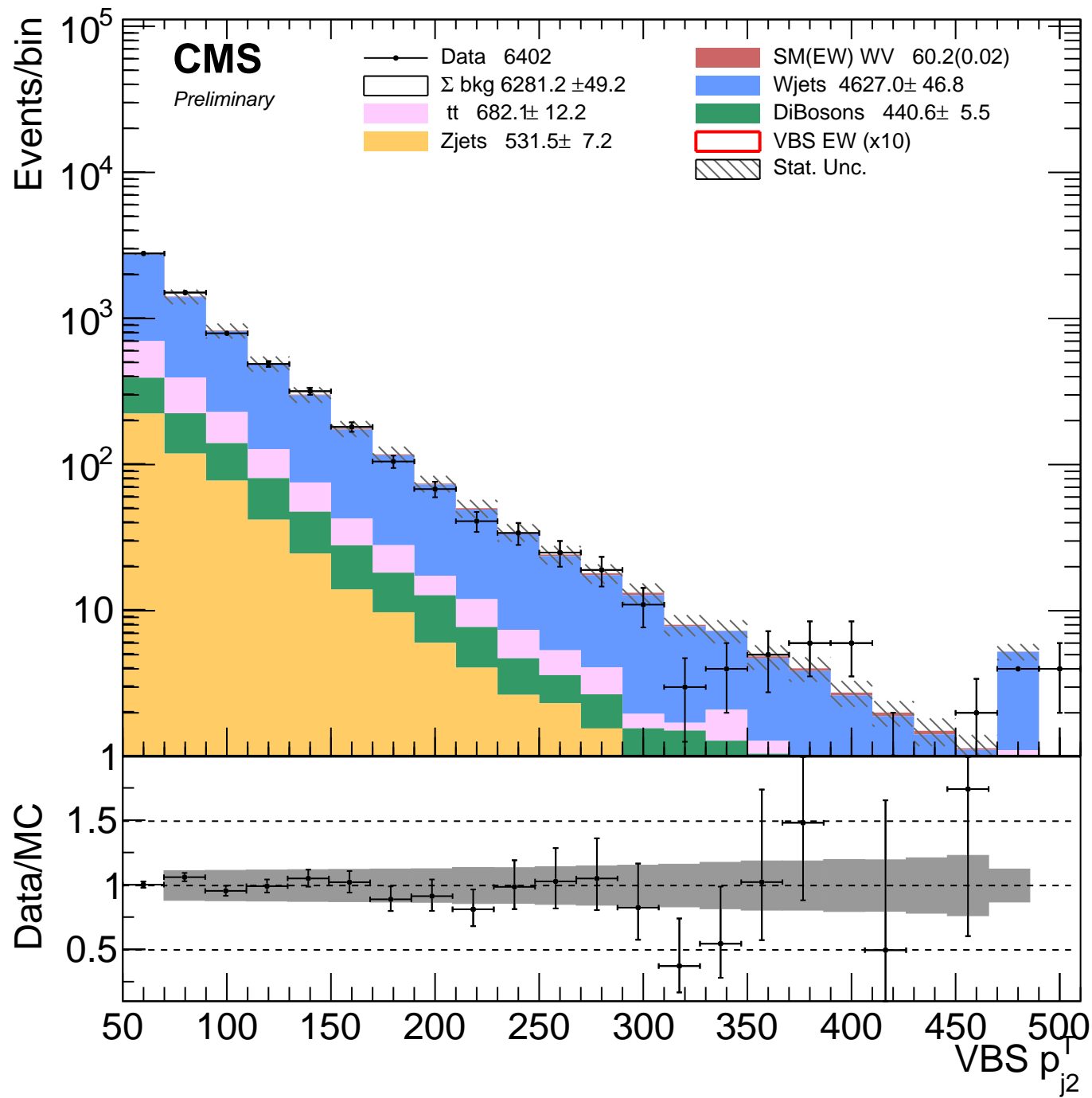


137 fb<sup>-1</sup> (13 TeV)

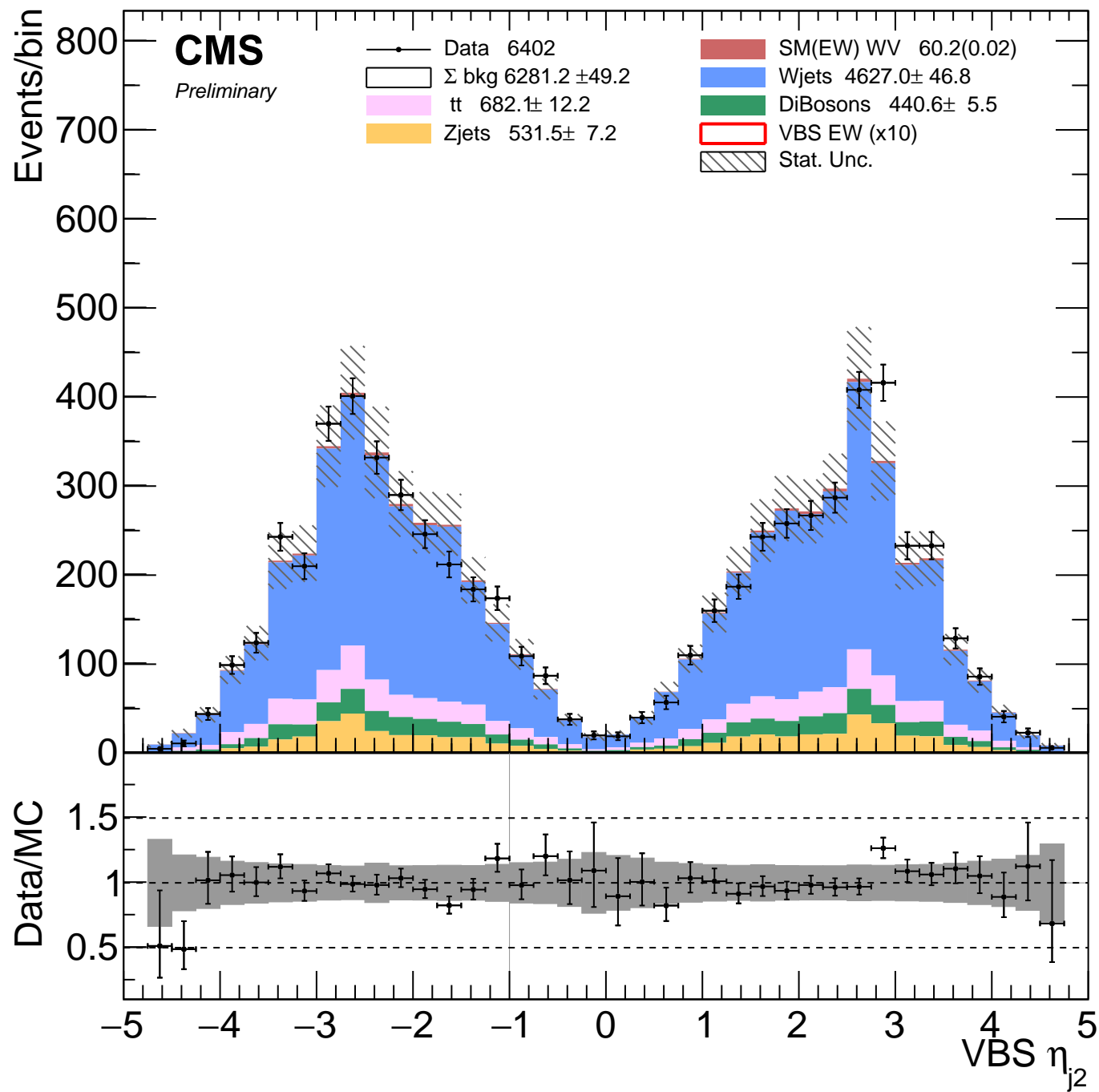




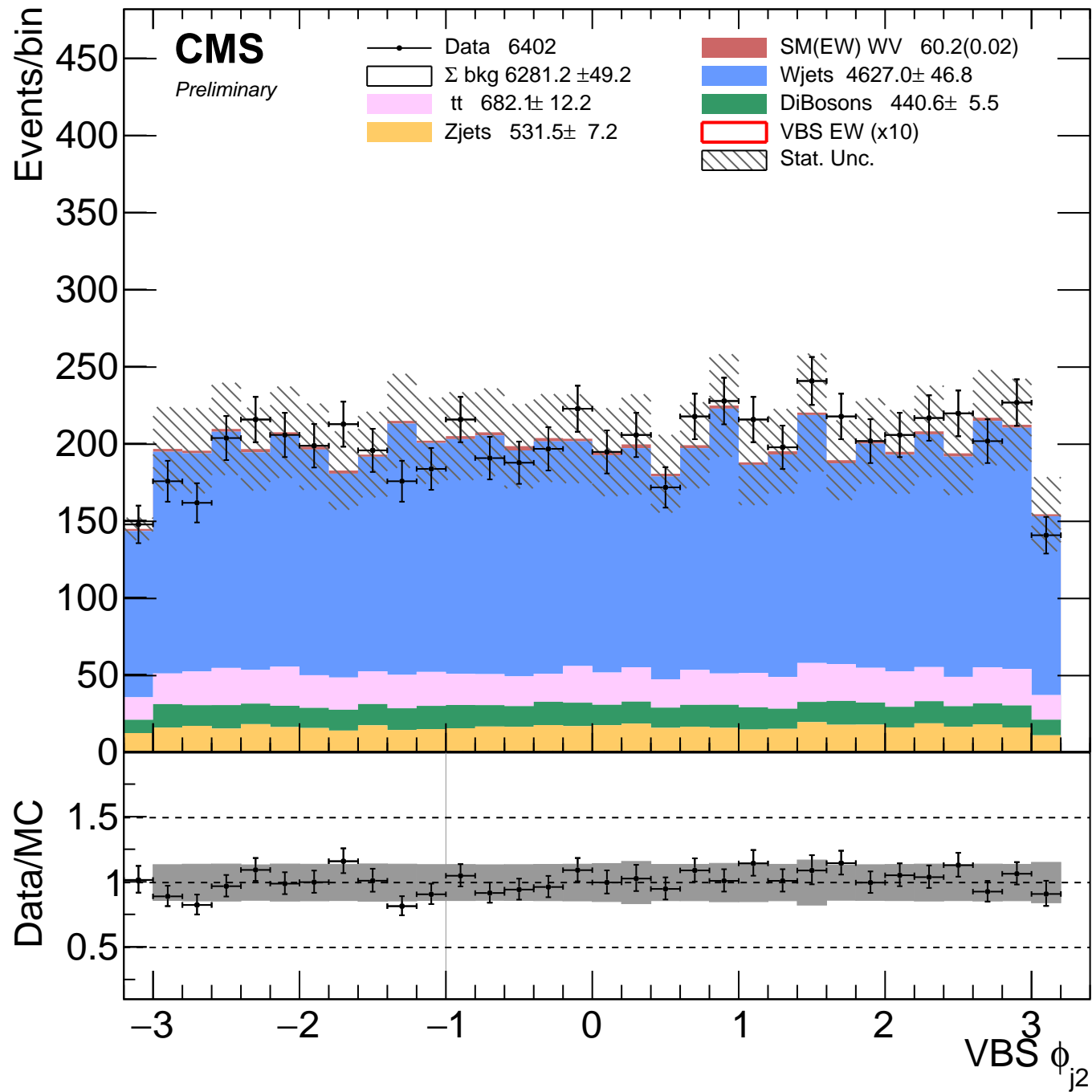
137 fb<sup>-1</sup> (13 TeV)



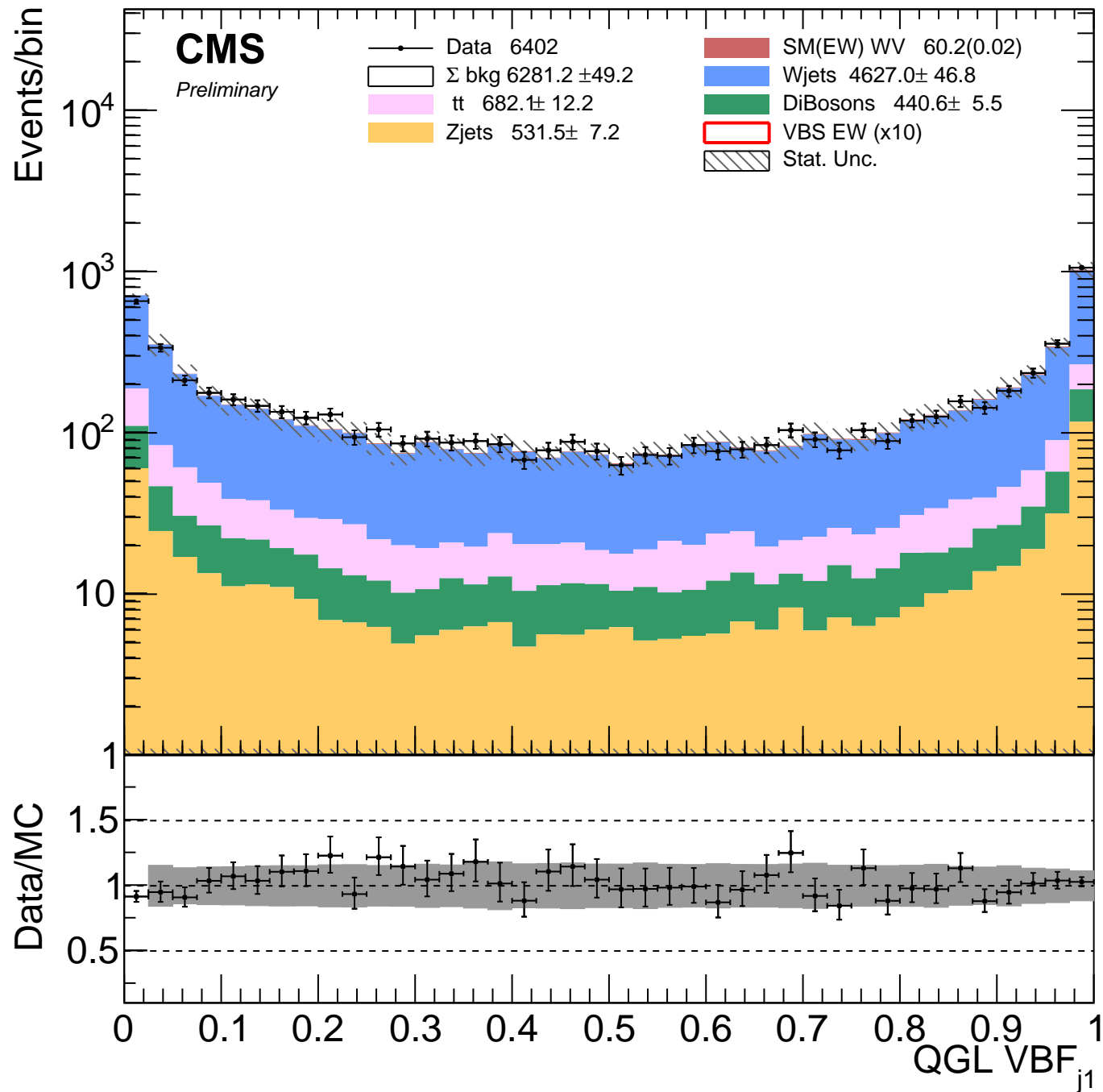
137 fb<sup>-1</sup> (13 TeV)



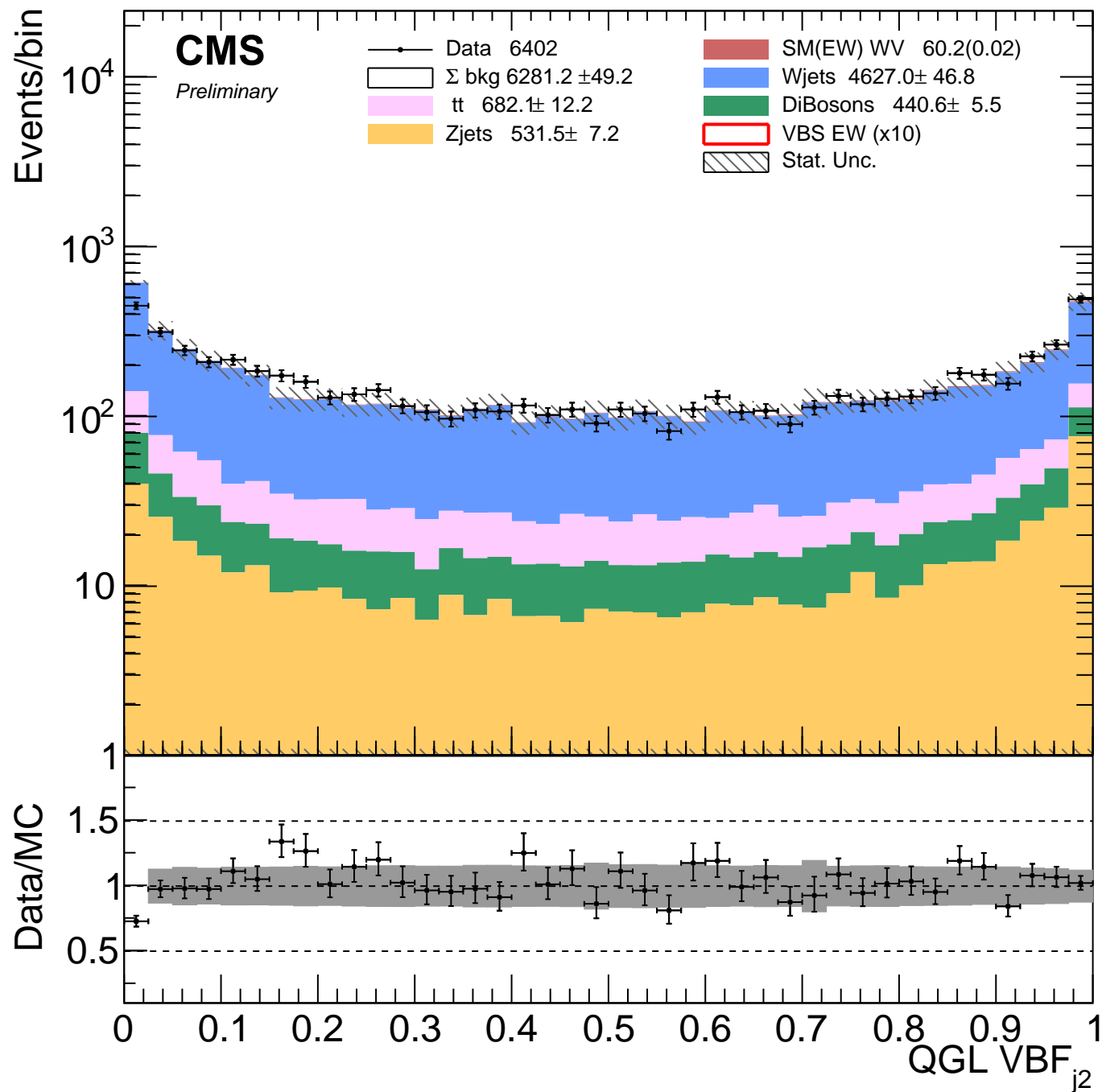
137 fb<sup>-1</sup> (13 TeV)



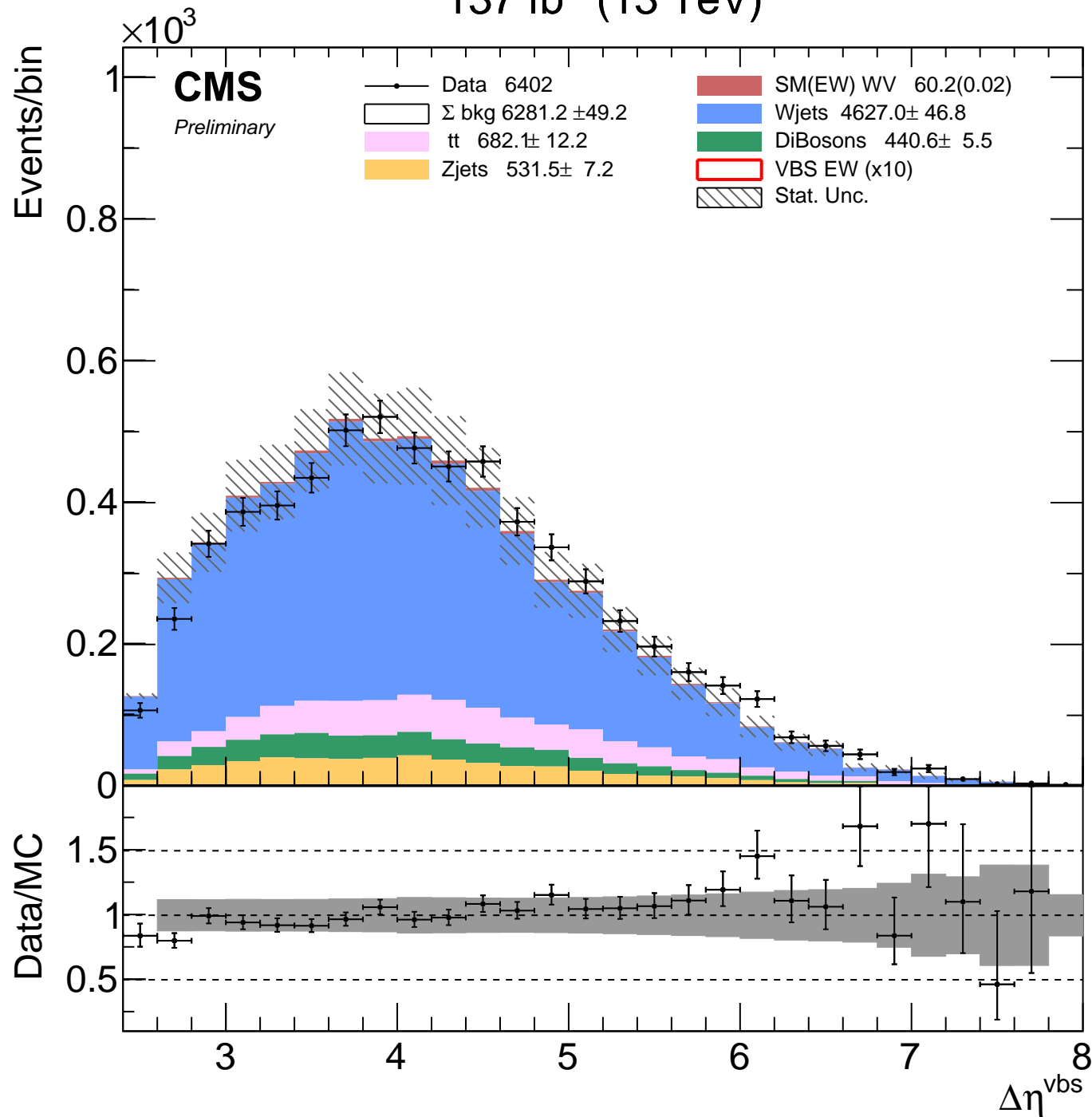
137 fb<sup>-1</sup> (13 TeV)



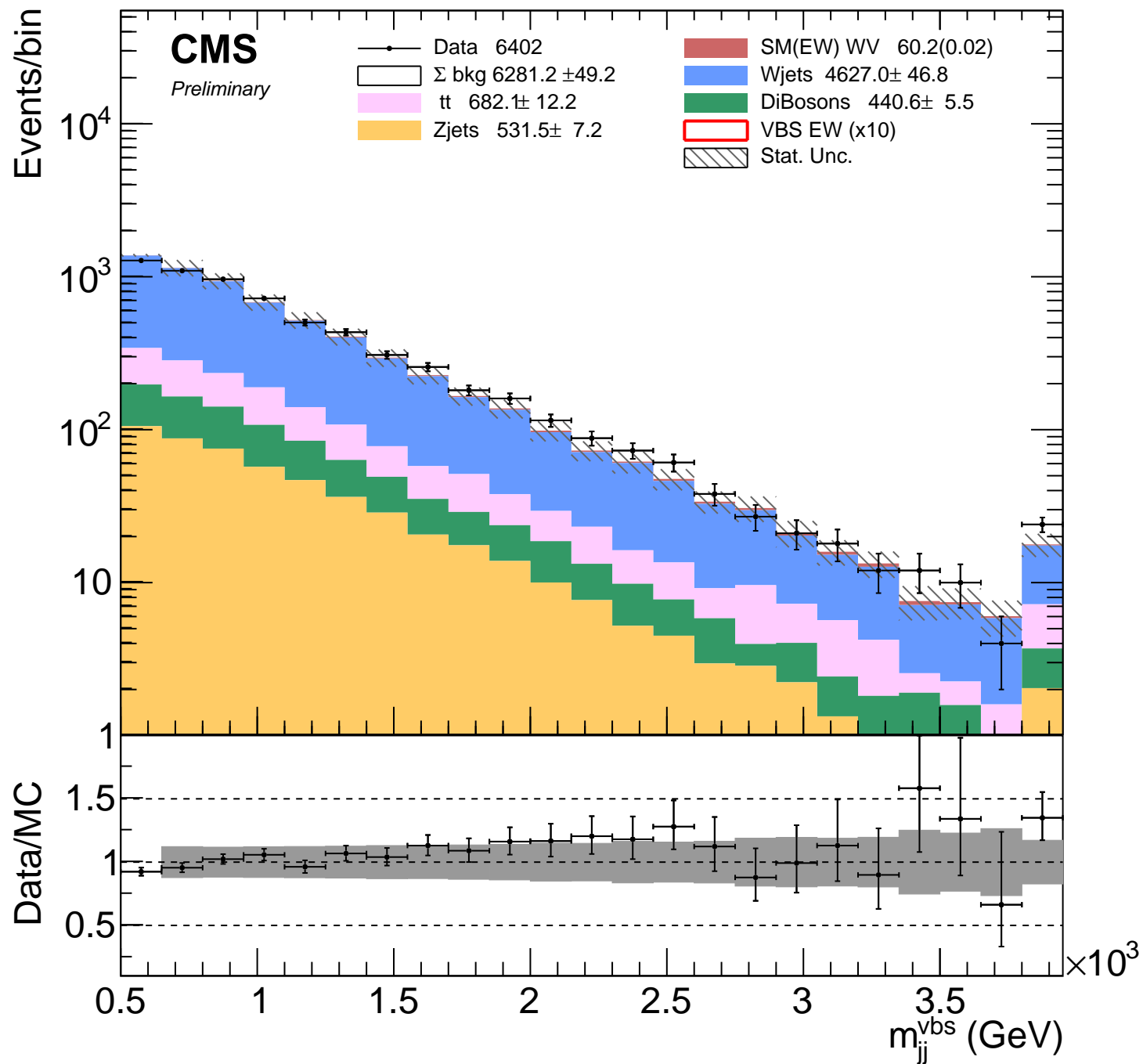
137 fb<sup>-1</sup> (13 TeV)



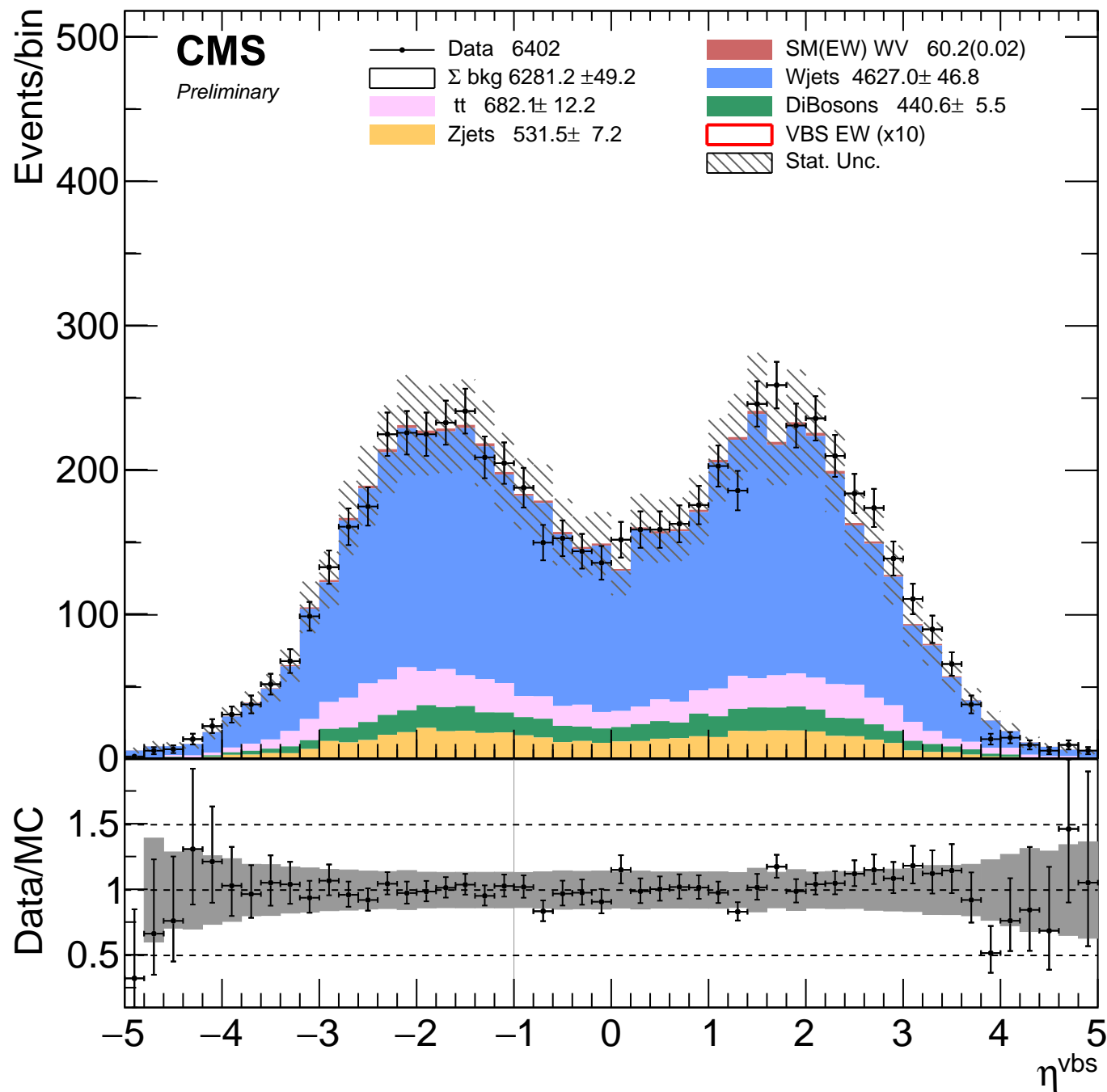
137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)

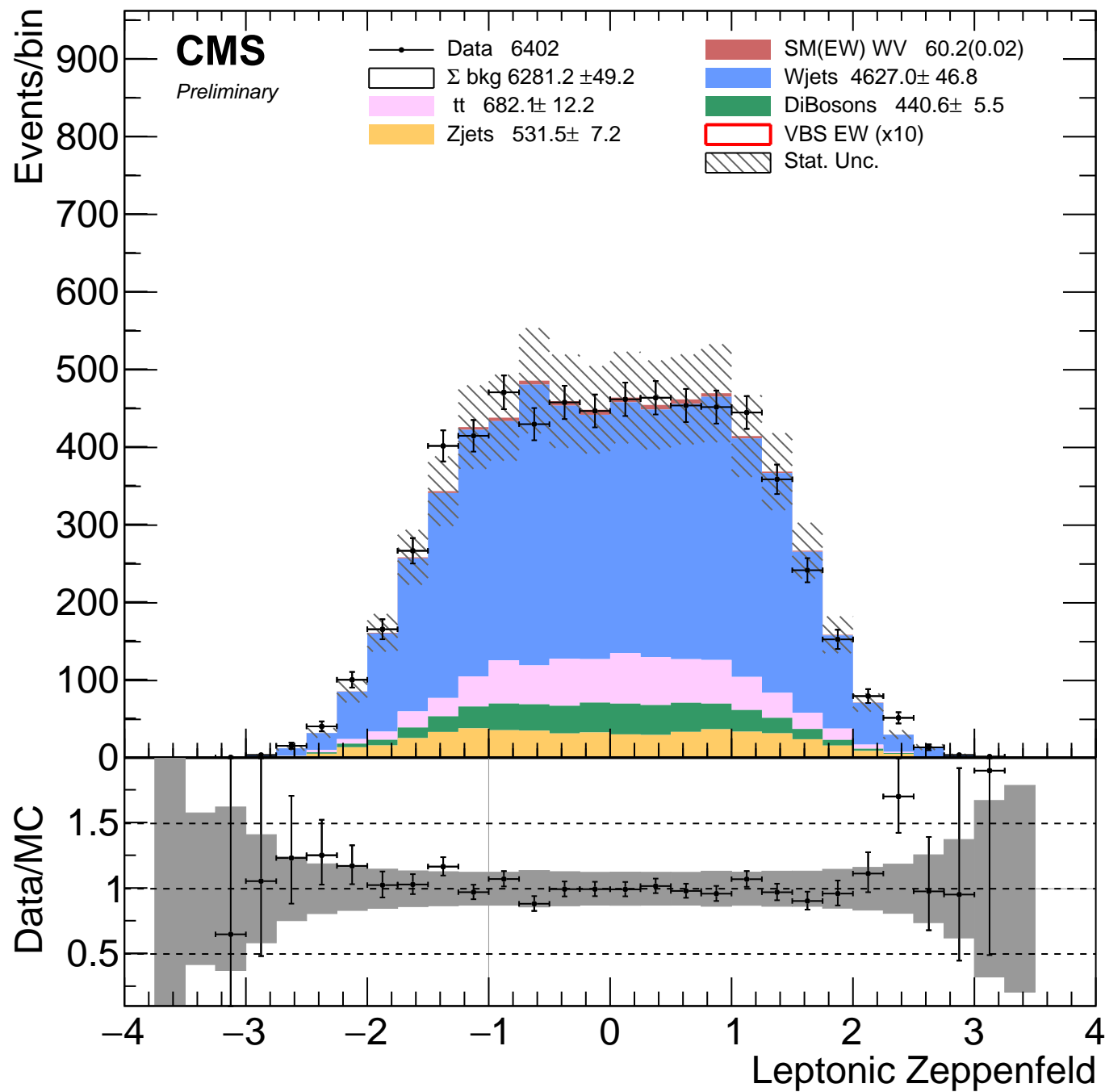


137 fb<sup>-1</sup> (13 TeV)





137 fb<sup>-1</sup> (13 TeV)



137 fb<sup>-1</sup> (13 TeV)

×10<sup>3</sup>

**CMS**

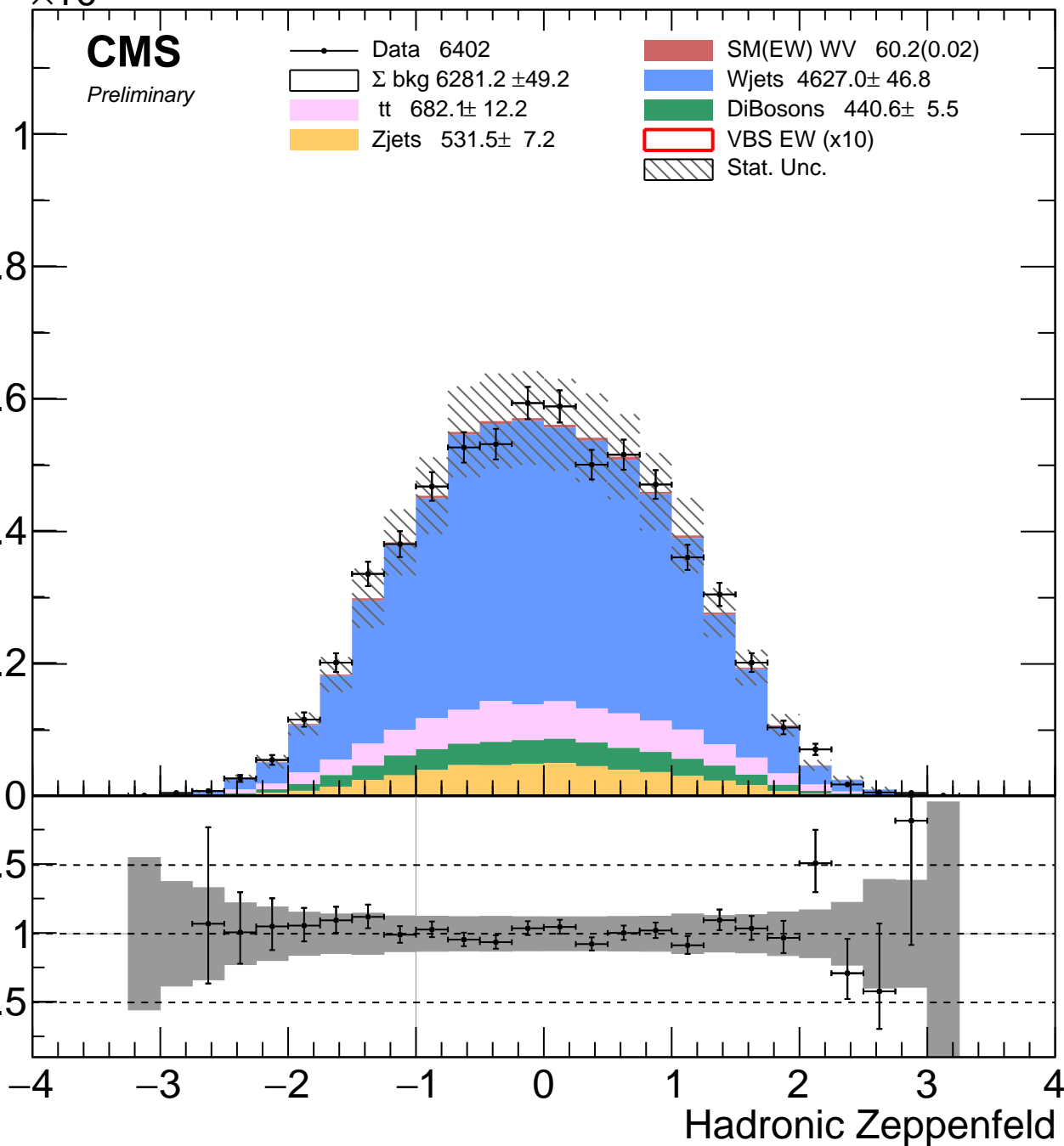
*Preliminary*

—•— Data 6402  
 □  $\Sigma$  bkg 6281.2 ± 49.2  
 ■ tt 682.1 ± 12.2  
 ■ Zjets 531.5 ± 7.2

■ SM(EW) WV 60.2(0.02)  
 ■ Wjets 4627.0 ± 46.8  
 ■ DiBosons 440.6 ± 5.5  
 □ VBS EW (x10)  
 ▨ Stat. Unc.

Events/bin

Data/MC



137 fb<sup>-1</sup> (13 TeV)

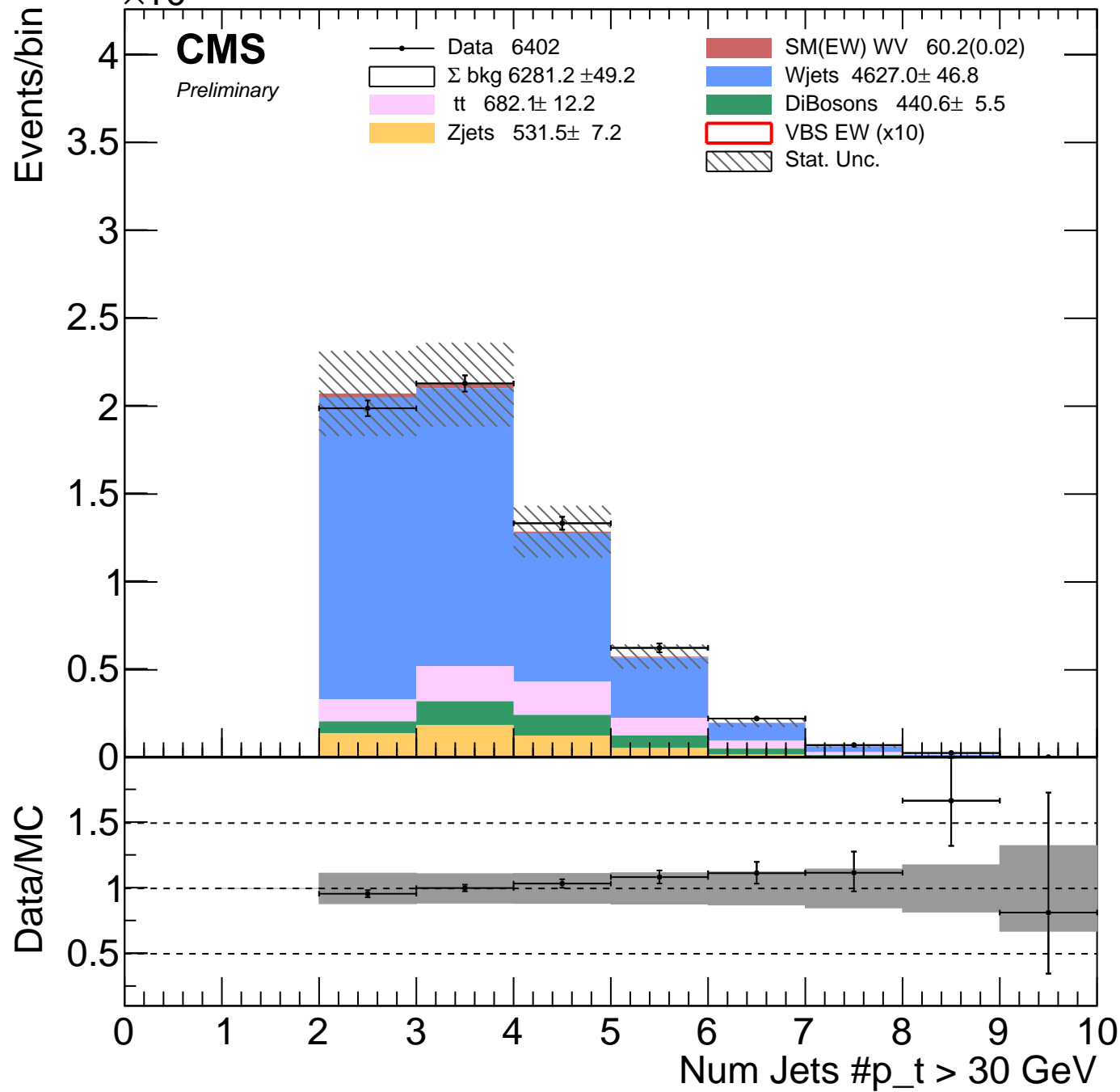
×10<sup>3</sup>

**CMS**

*Preliminary*

—•— Data 6402  
 □  $\Sigma$  bkg 6281.2 ± 49.2  
 ■ tt 682.1 ± 12.2  
 ■ Zjets 531.5 ± 7.2

■ SM(EW) WV 60.2(0.02)  
 ■ Wjets 4627.0 ± 46.8  
 ■ DiBosons 440.6 ± 5.5  
 □ VBS EW (x10)  
 ▨ Stat. Unc.



137 fb<sup>-1</sup> (13 TeV)

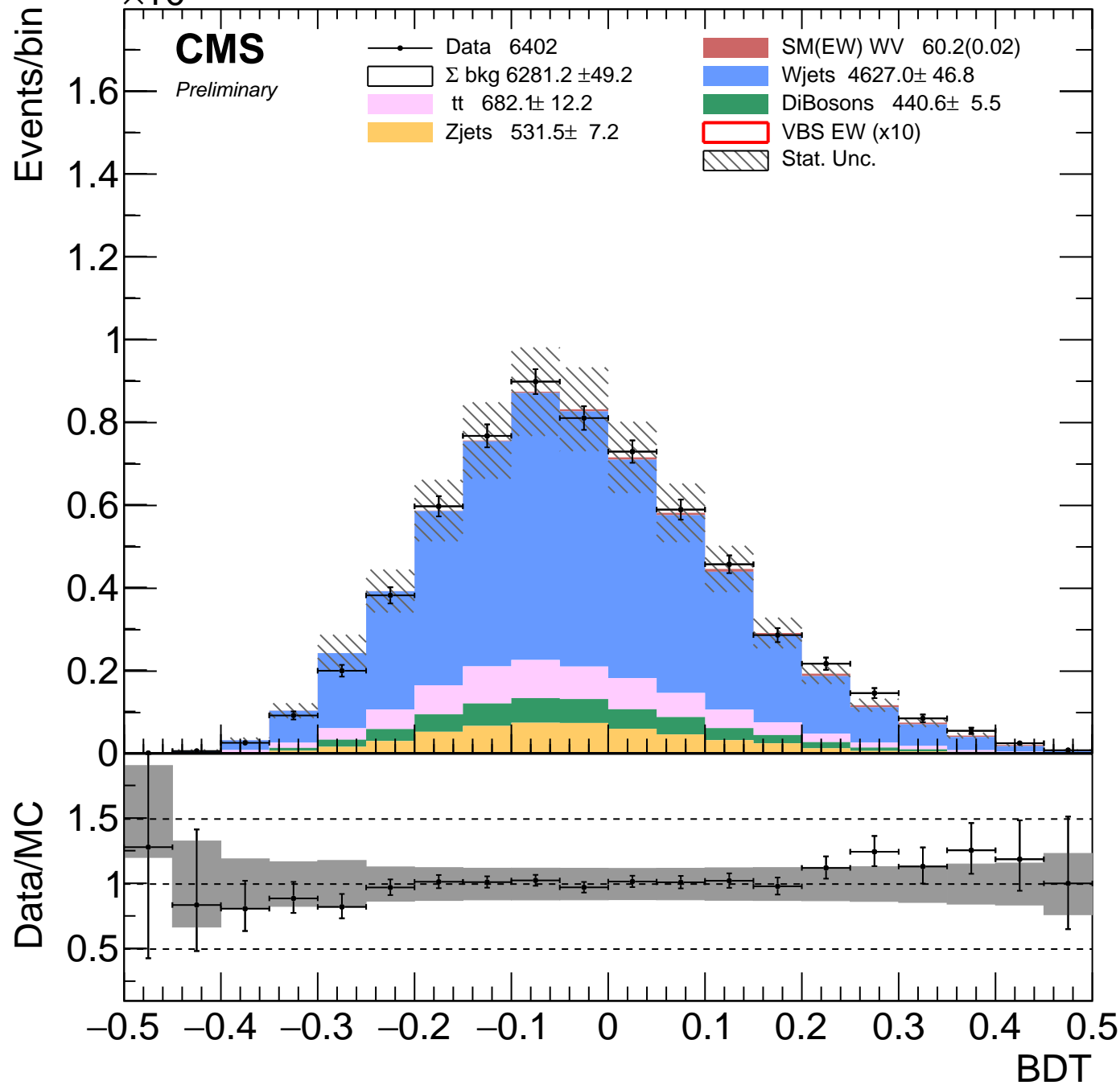
×10<sup>3</sup>

**CMS**

*Preliminary*

—•— Data 6402  
 □  $\Sigma$  bkg 6281.2 ± 49.2  
 ■ tt 682.1 ± 12.2  
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137 fb<sup>-1</sup> (13 TeV)

