nVert: MB xsec= 56000 ub CMS 13 TeV 2016 L=6.26 fb^{-1}

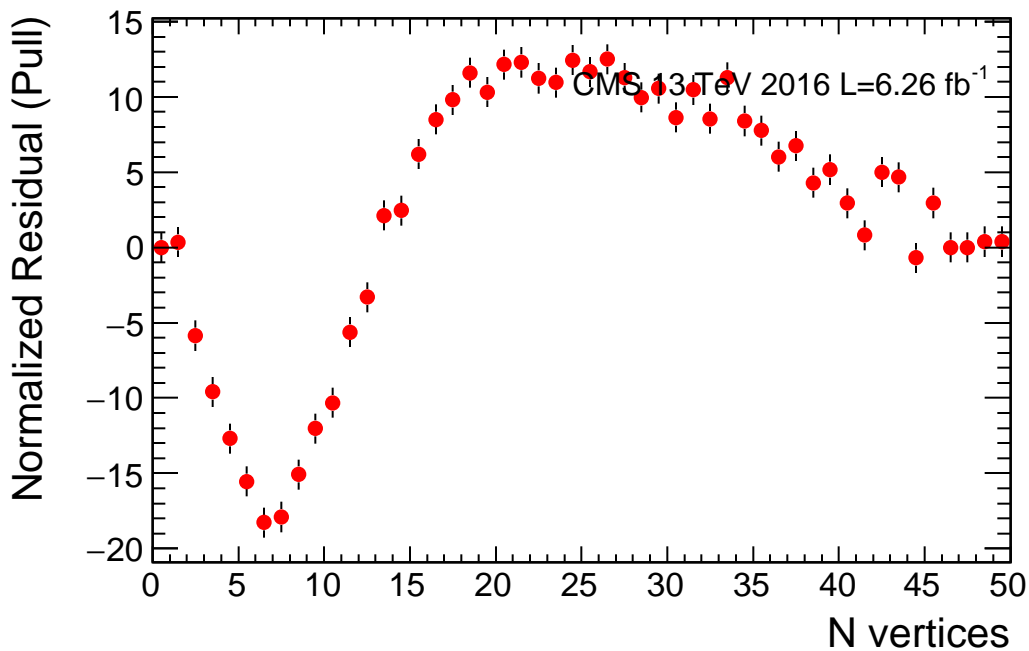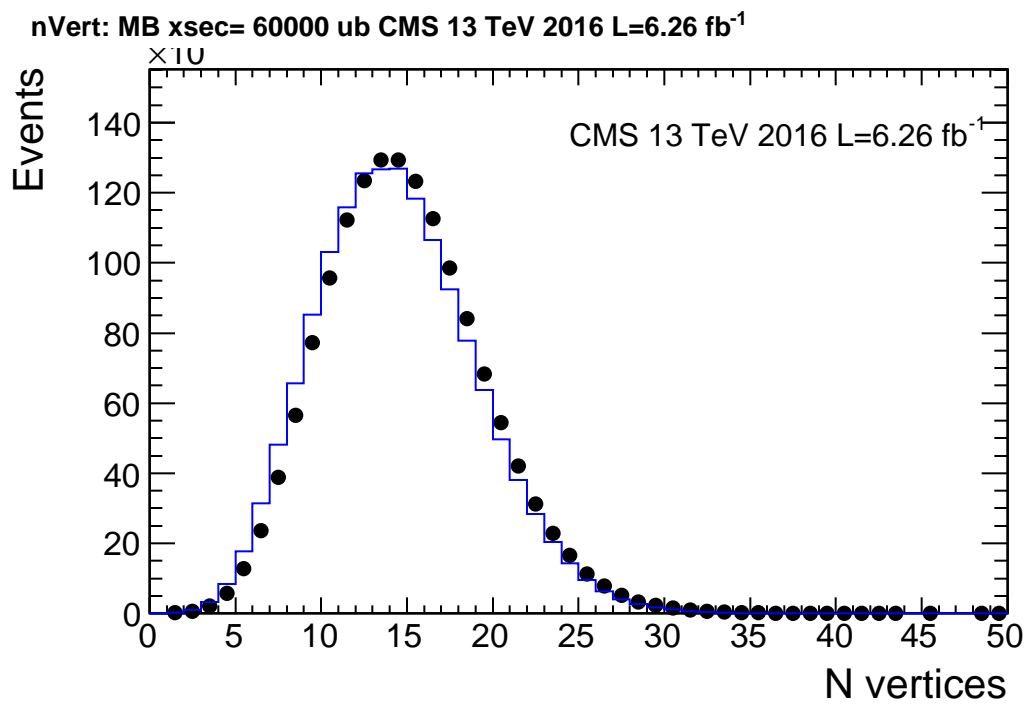Events

×10

CMS 13 TeV 2016 L=6.26 fb^{-1}

N vertices

Pull: MB xsec= 56000 ub , Chi2/Ndf= 535.00, P-value= 0.000E+00

Normalized Residual (Pull)

CMS 13 TeV 2016 L=6.26 fb^{-1}

N vertices

nVert: MB xsec= 56500 ub CMS 13 TeV 2016 L=6.26 fb^{-1}

CMS 13 TeV 2016 L=6.26 fb^{-1}

Events

N vertices
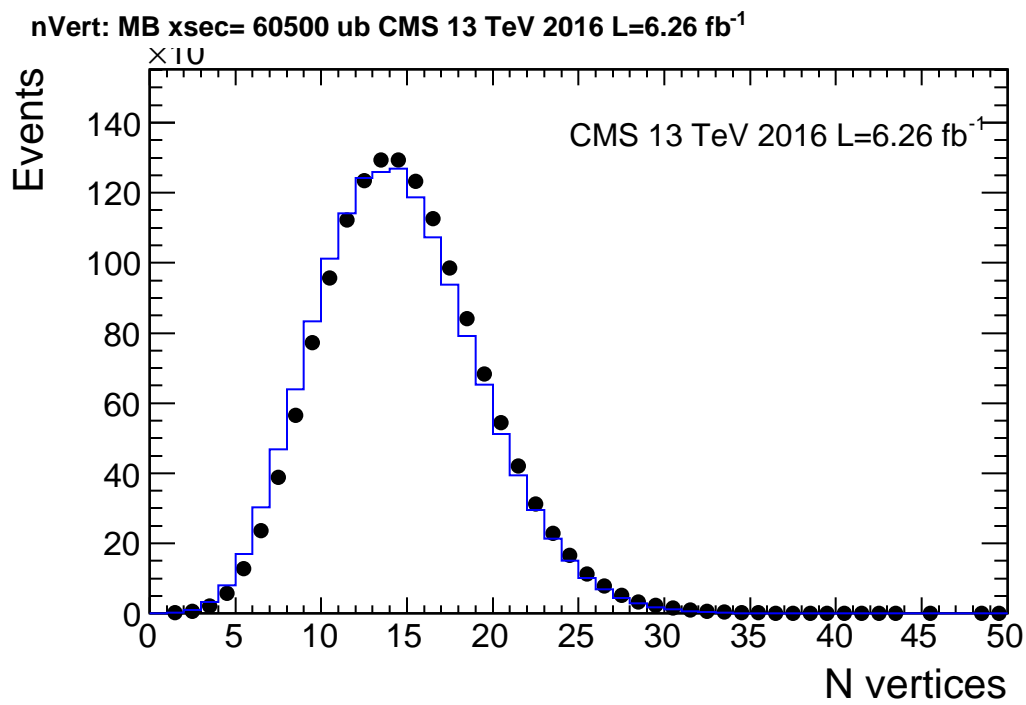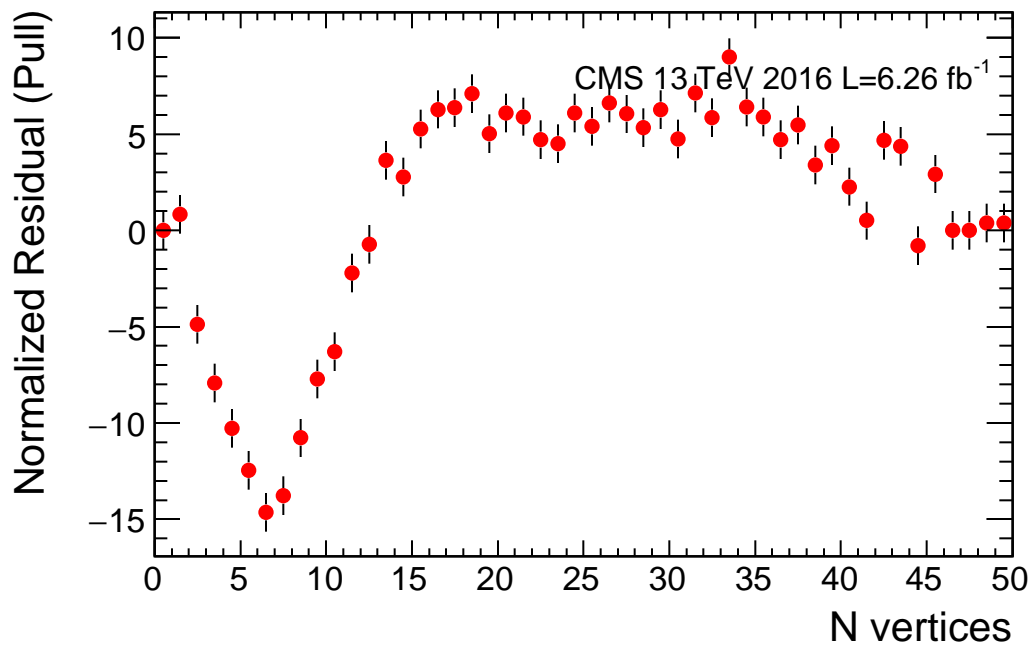
Pull: MB xsec= 56500 ub , Chi2/Ndf= 443.96, P-value= 0.000E+00

Normalized Residual (Pull)

CMS 13 TeV 2016 L=6.26 fb^{-1}

N vertices

nVert: MB xsec= 57000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

×10

Events

140

120

100

80

60

40

20

CMS 13 TeV 2016 L=6.26 fb⁻¹

0   5   10   15   20   25   30   35   40   45   50

N vertices

Pull: MB xsec= 57000 ub , Chi2/Ndf= 363.57, P-value= 0.000E+00

Normalized Residual (Pull)

30

20

10

0

−10

−20

−30

CMS 13 TeV 2016 L=6.26 fb⁻¹

0   5   10   15   20   25   30   35   40   45   50

N vertices

nVert: MB xsec= 57500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹
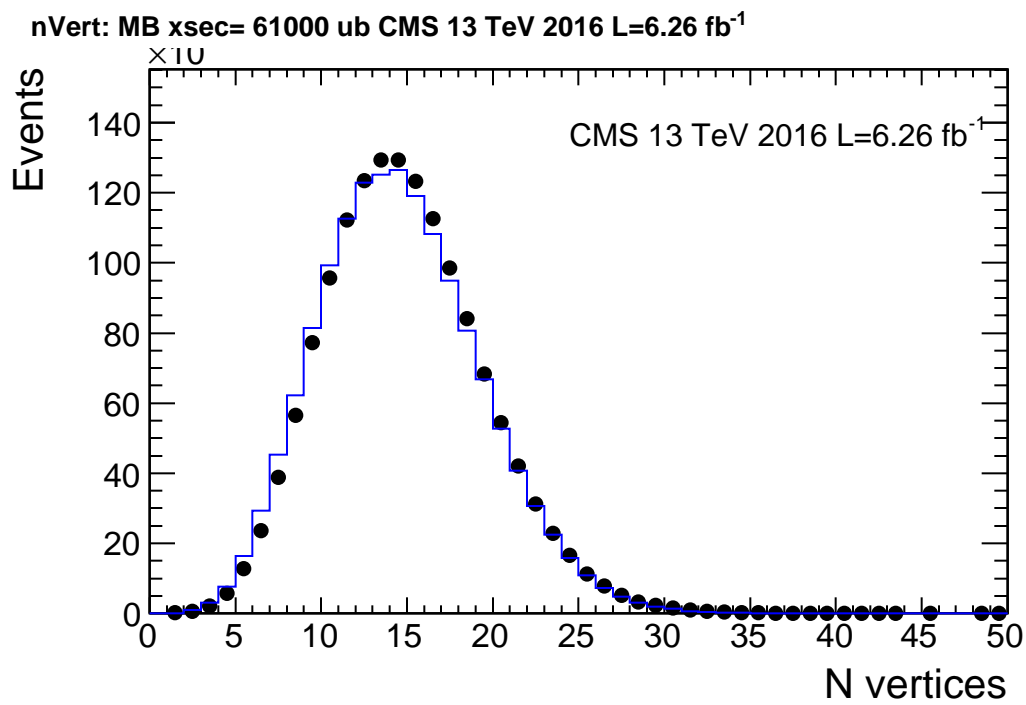

Pull: MB xsec= 57500 ub , Chi2/Ndf= 293.06, P-value= 0.000E+00

nVert: MB xsec= 58000 ub CMS 13 TeV 2016 L=6.26 fb[-1]

CMS 13 TeV 2016 L=6.26 fb[-1]

Events

N vertices

Pull: MB xsec= 58000 ub , Chi2/Ndf= 231.73, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb[-1]

Normalized Residual (Pull)

N vertices

nVert: MB xsec= 58500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 58500 ub , Chi2/Ndf= 178.98, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 59000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 59000 ub , Chi2/Ndf= 134.32, P-value= 0.000E+00

nVert: MB xsec= 59500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 59500 ub , Chi2/Ndf= 97.30, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 60000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 60000 ub , Chi2/Ndf= 67.55, P-value= 0.000E+00

nVert: MB xsec= 60500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹
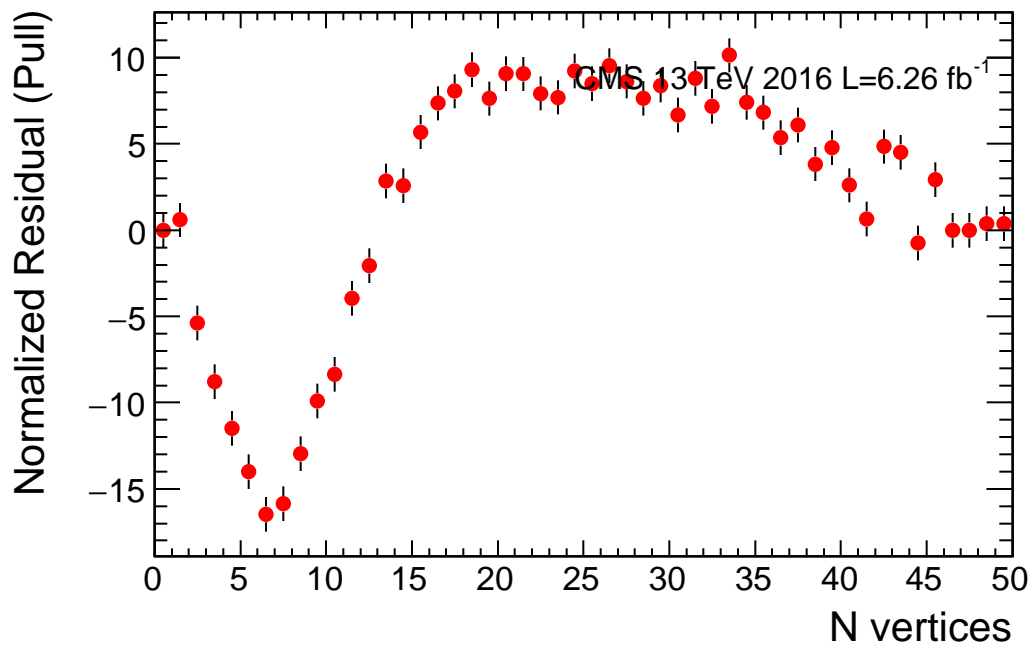
Pull: MB xsec= 60500 ub , Chi2/Ndf= 44.73, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 61000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 61000 ub , Chi2/Ndf= 28.54, P-value= 7.035E-245

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 61500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹
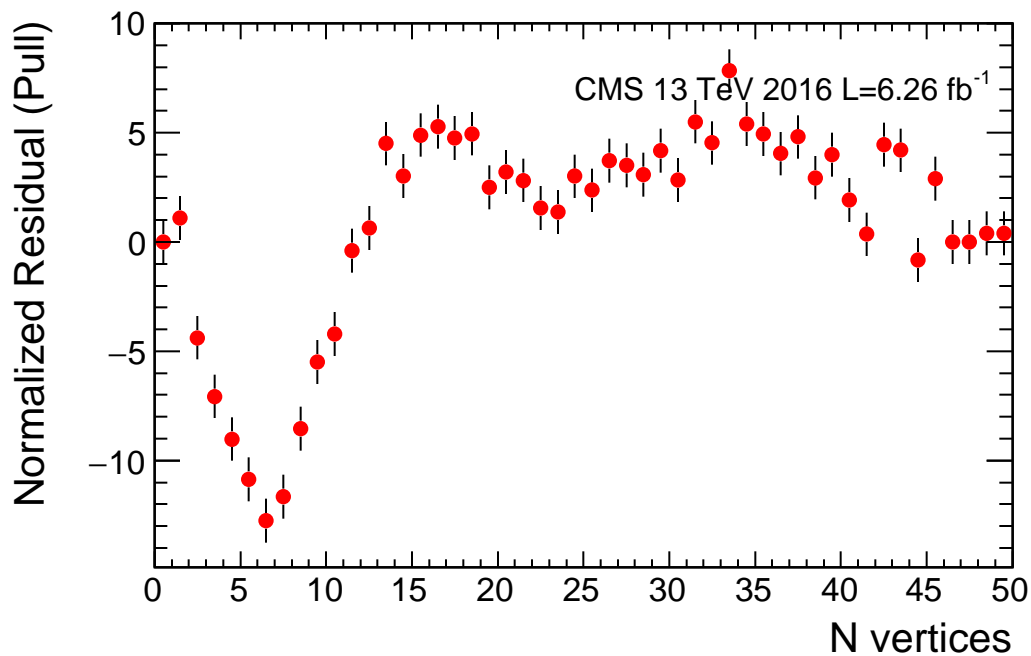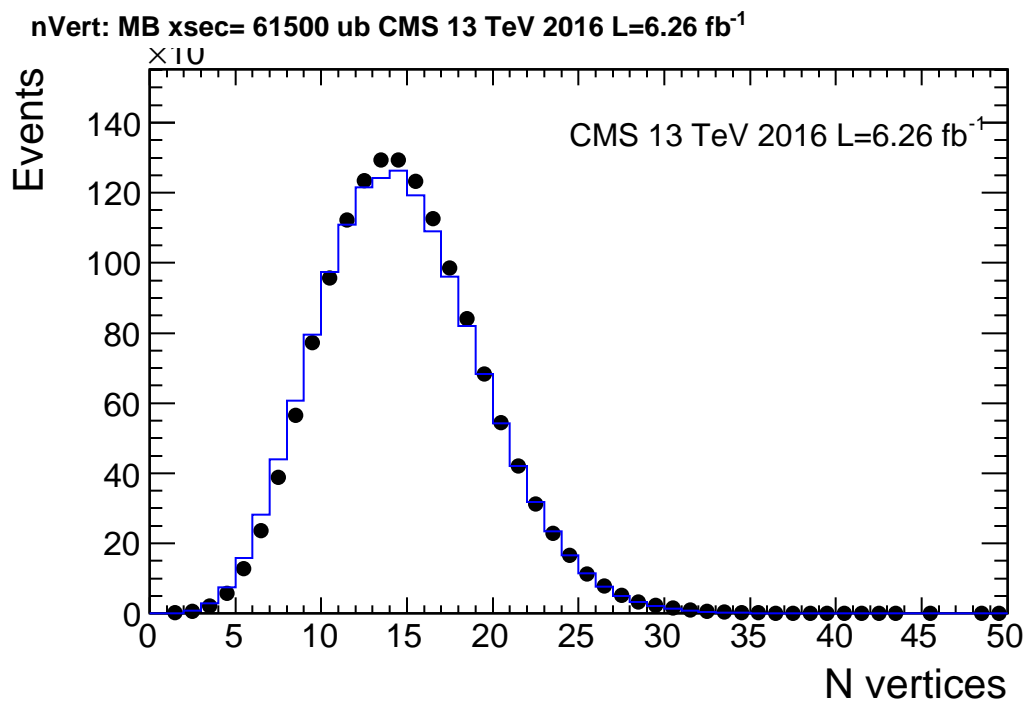
Pull: MB xsec= 61500 ub , Chi2/Ndf= 18.71, P-value= 1.067E-150

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 62000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Events

N vertices
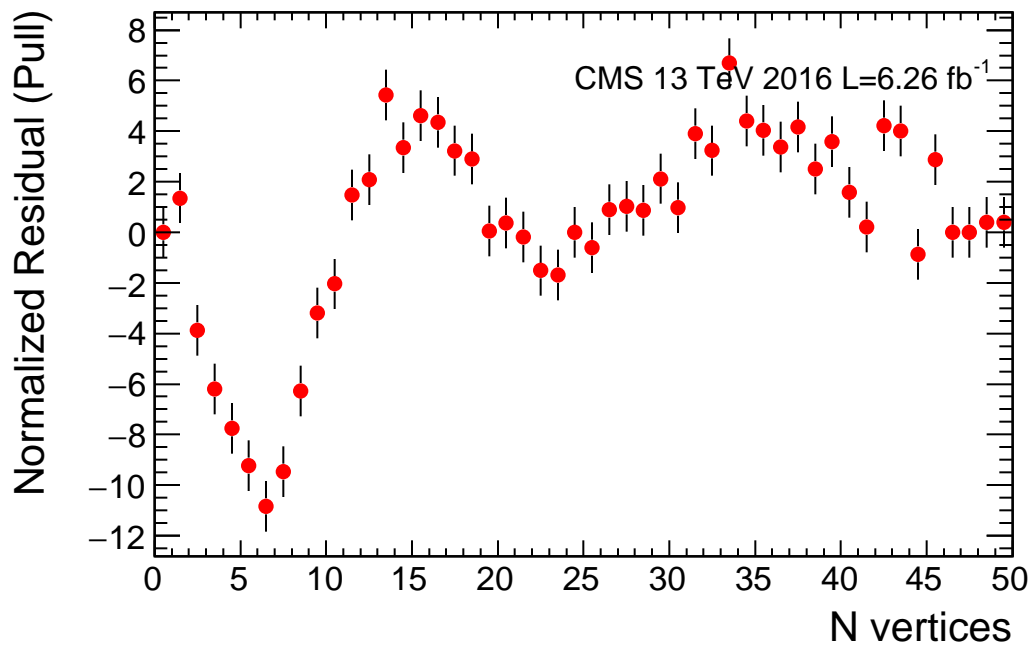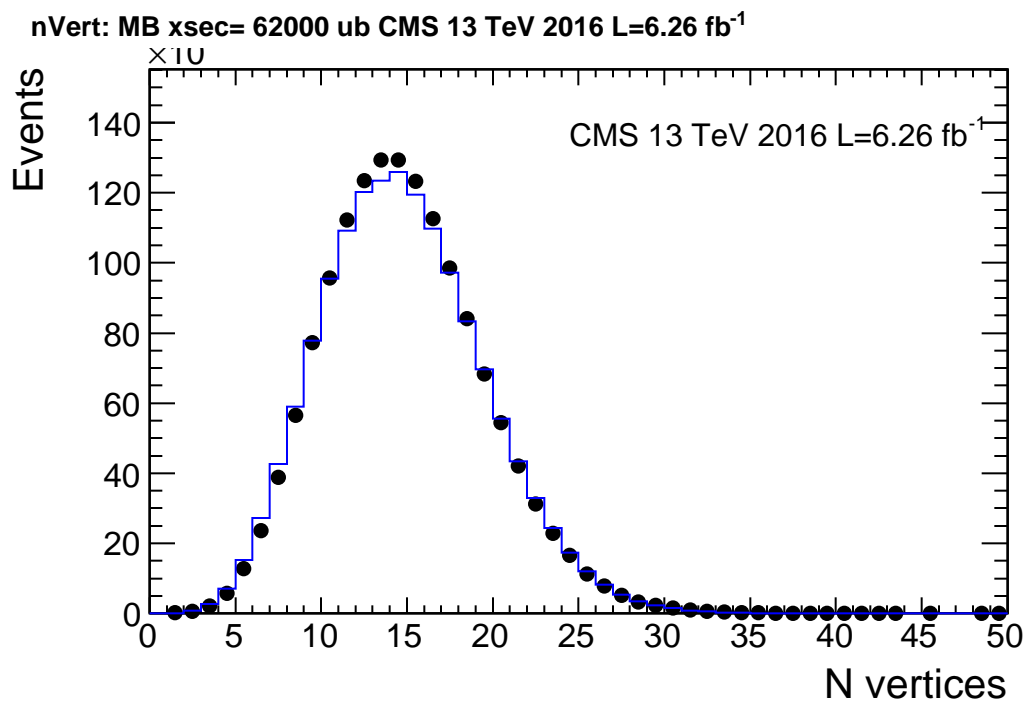
Pull: MB xsec= 62000 ub , Chi2/Ndf= 14.98, P-value= 1.367E-115

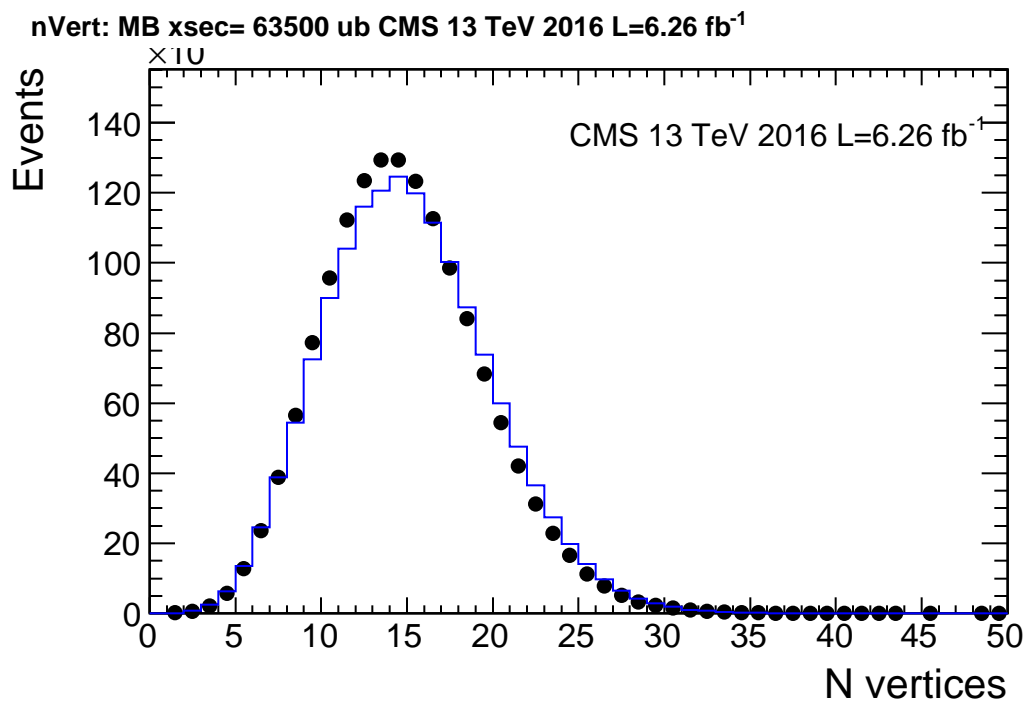CMS 13 TeV 2016 L=6.26 fb⁻¹

Normalized Residual (Pull)

N vertices

nVert: MB xsec= 62500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹
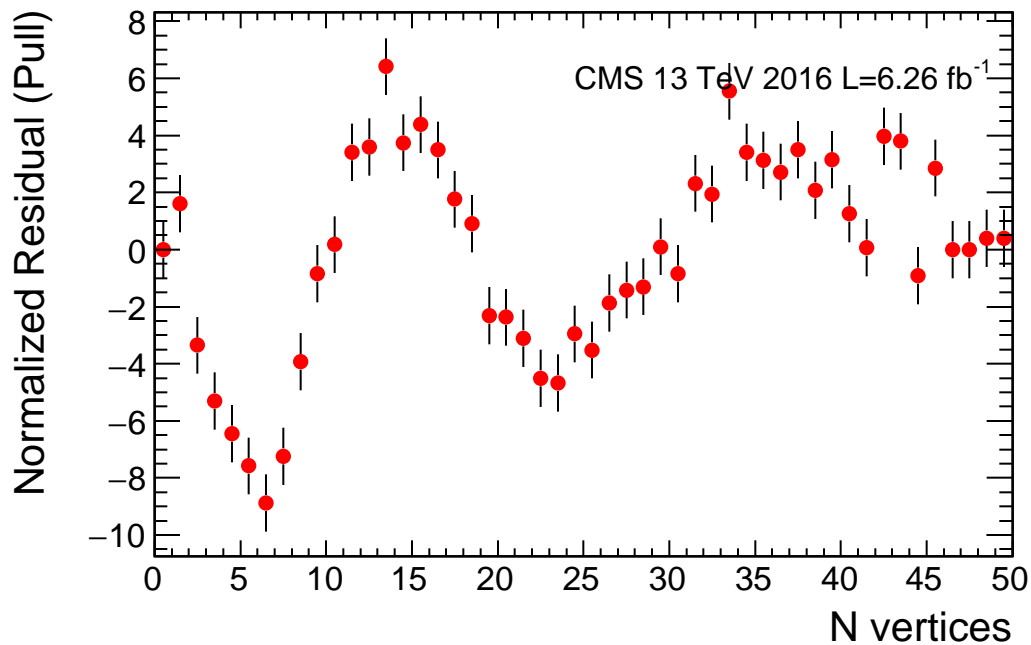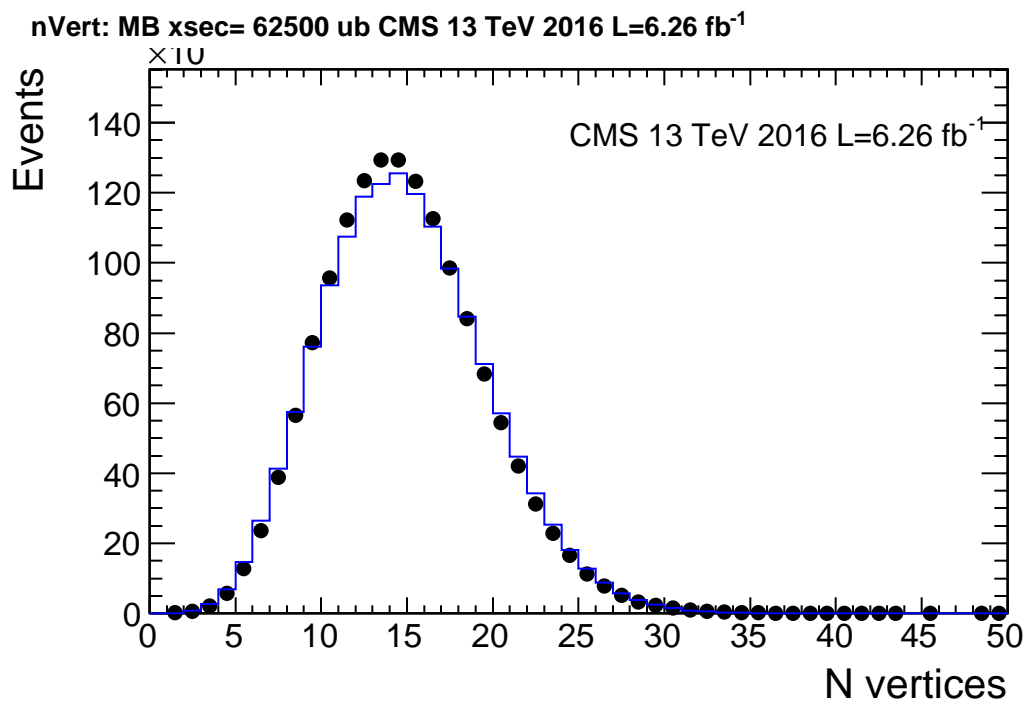
Pull: MB xsec= 62500 ub , Chi2/Ndf= 17.13, P-value= 1.000E-135

nVert: MB xsec= 63000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹
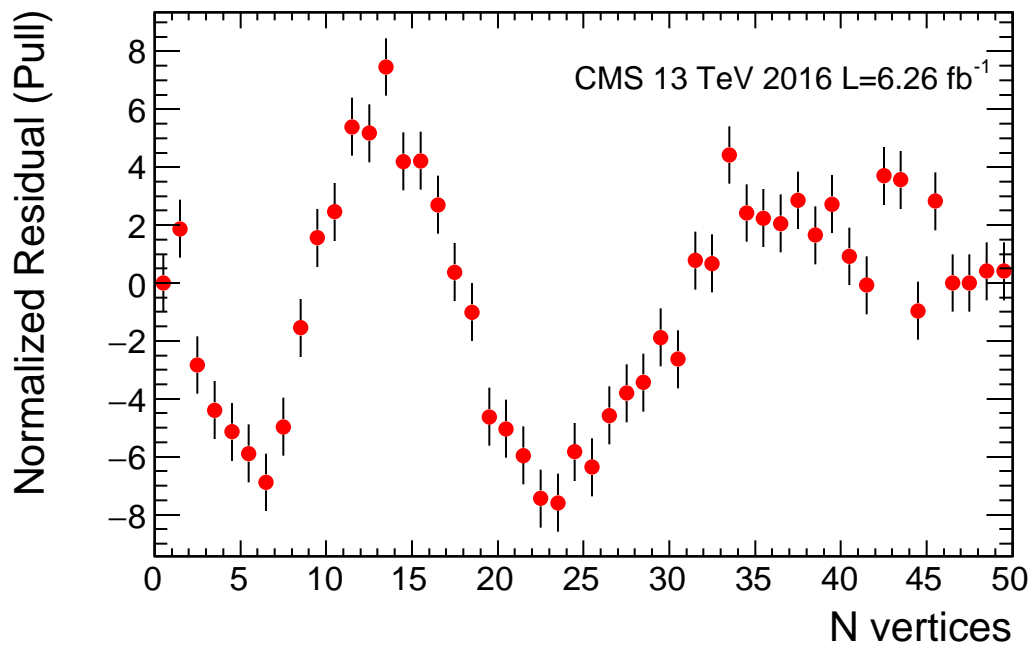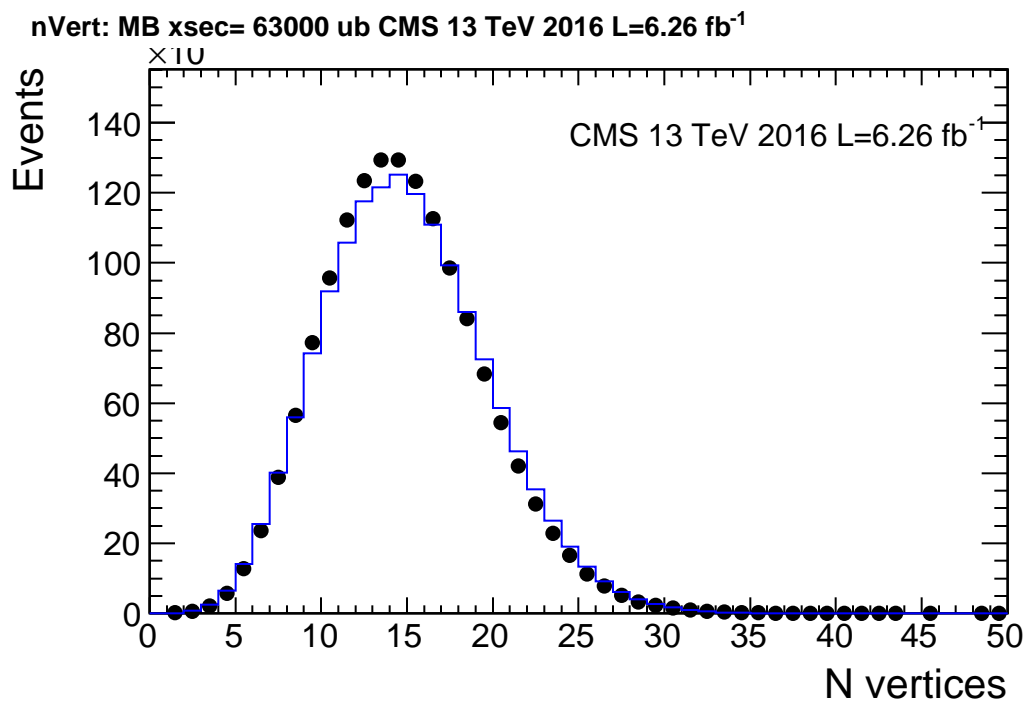
Pull: MB xsec= 63000 ub , Chi2/Ndf= 24.92, P-value= 5.552E-210

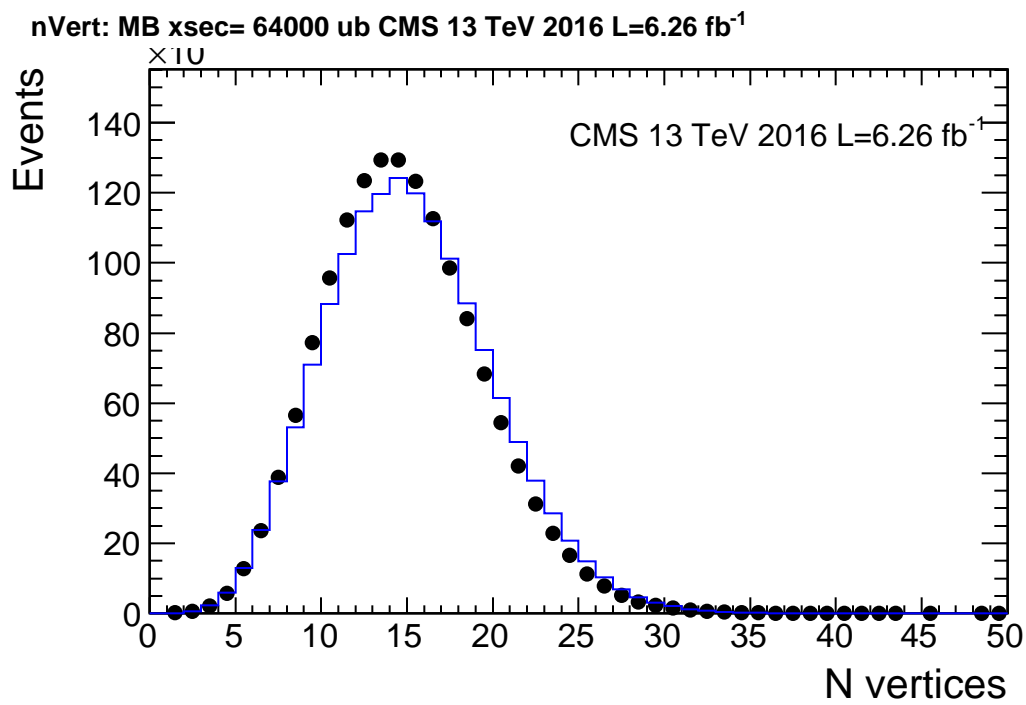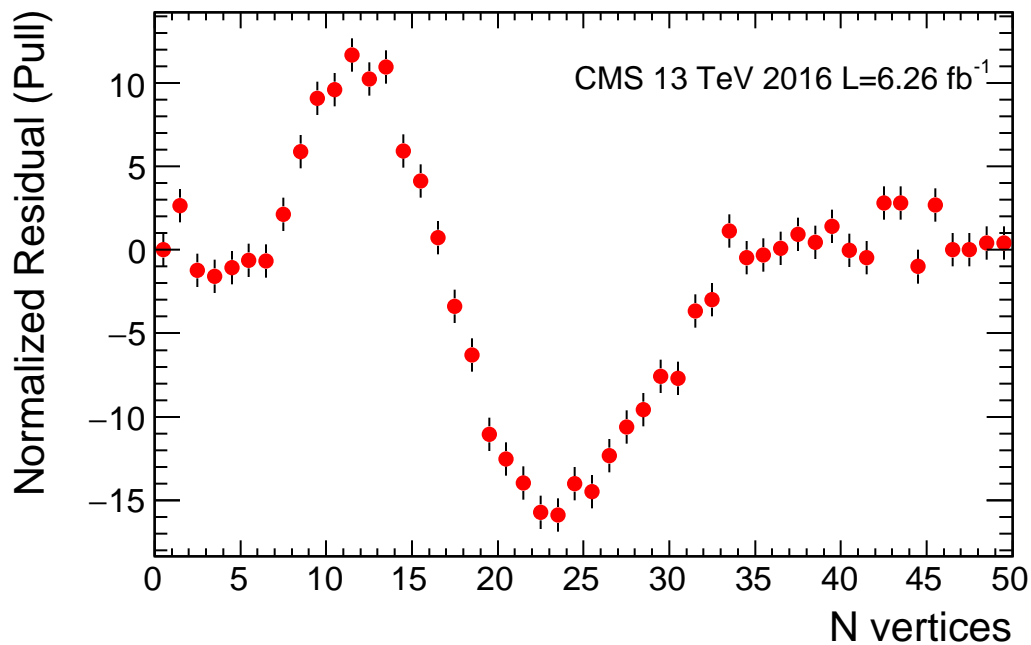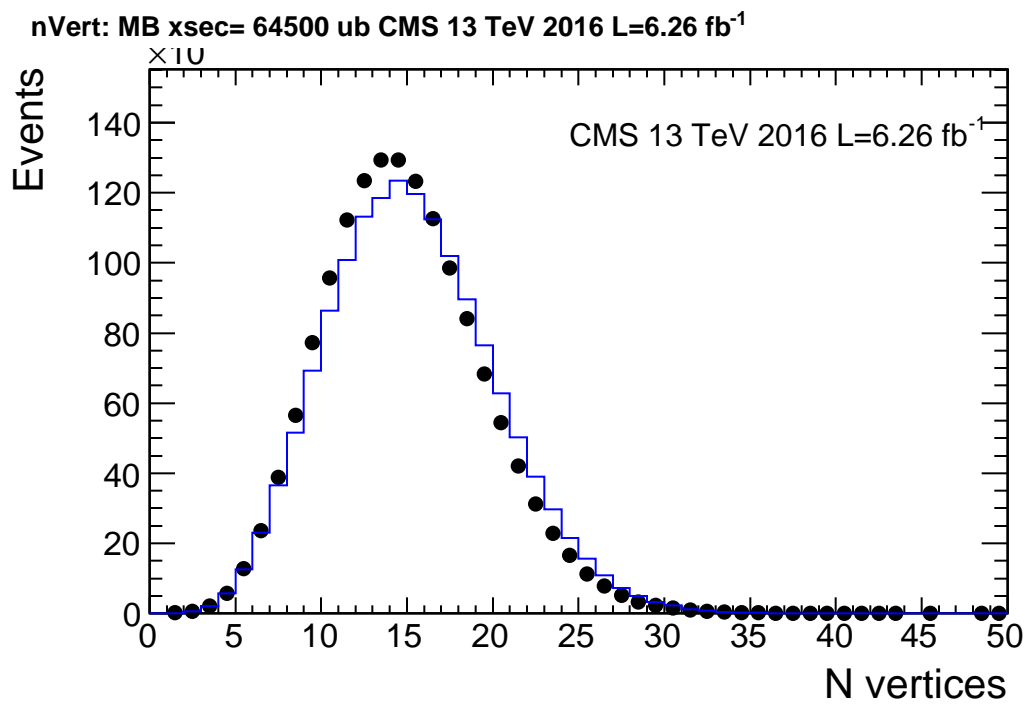**nVert: MB xsec= 63500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹**

CMS 13 TeV 2016 L=6.26 fb⁻¹
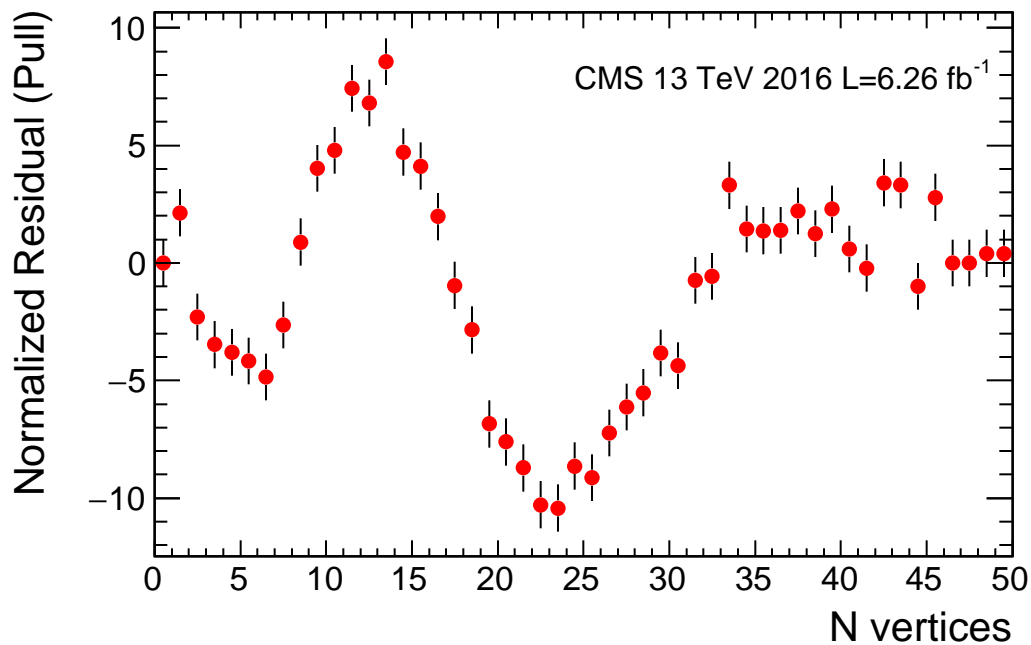
Pull: MB xsec= 63500 ub , Chi2/Ndf= 38.15, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb⁻¹

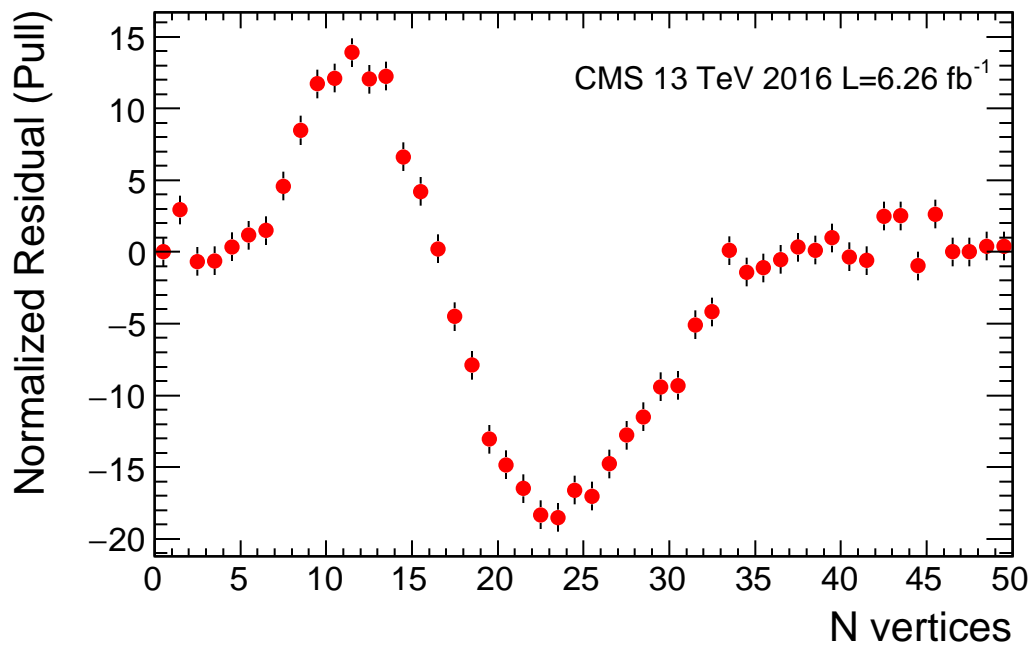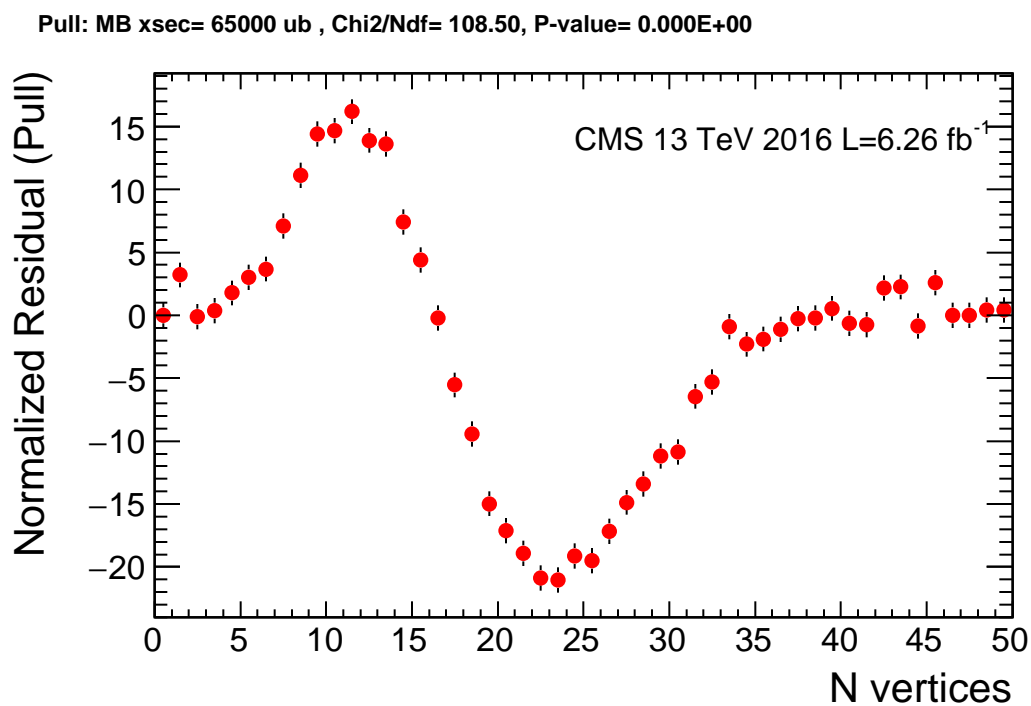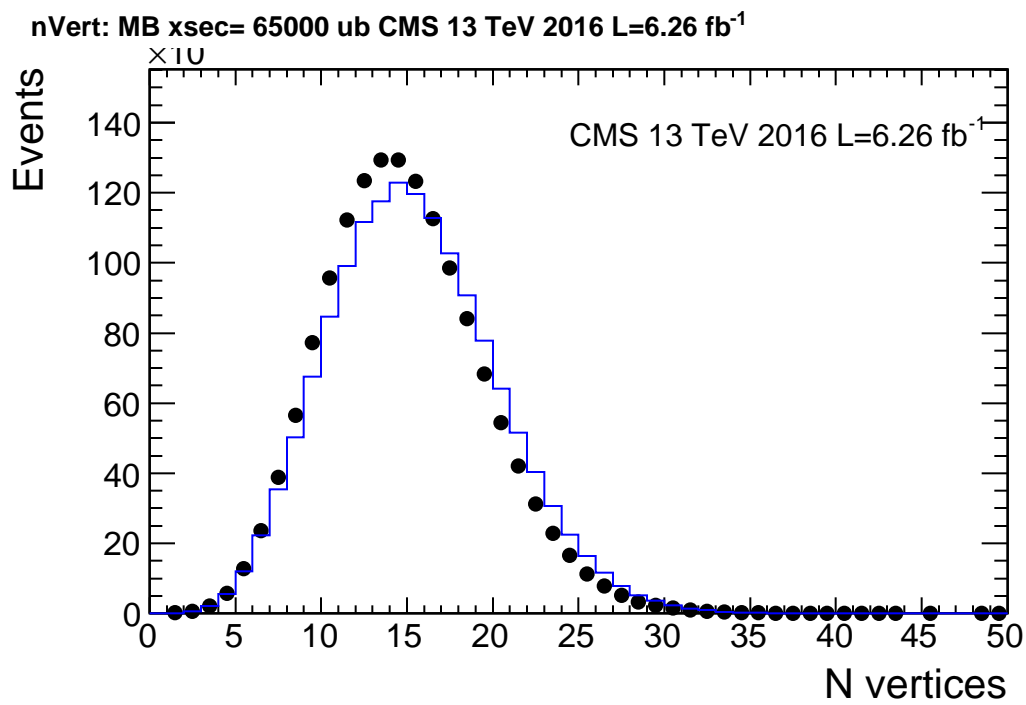**nVert: MB xsec= 64000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹**

CMS 13 TeV 2016 L=6.26 fb⁻¹
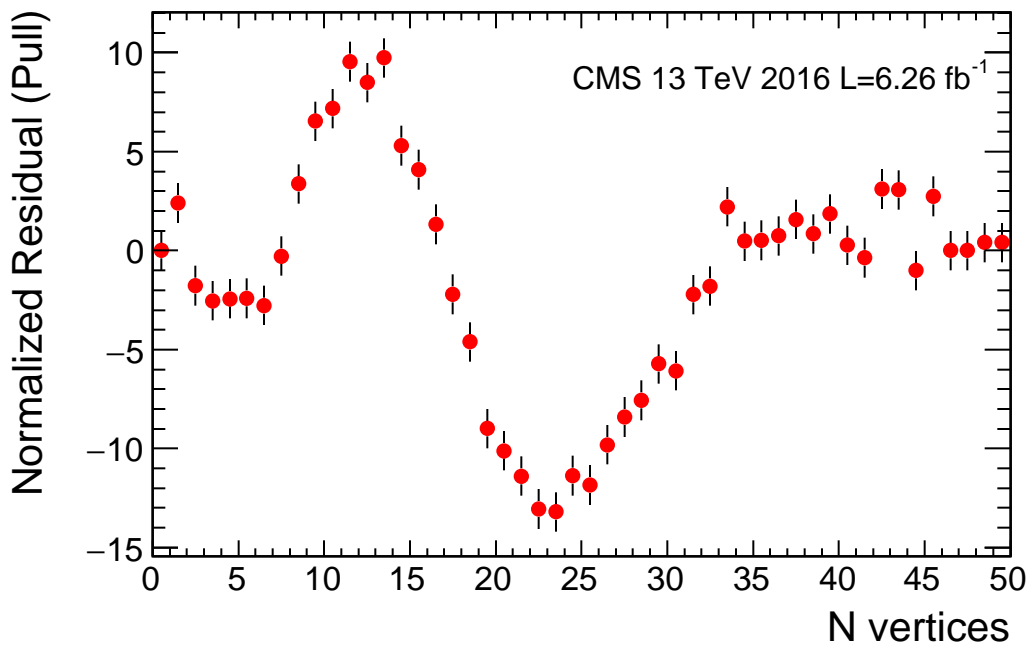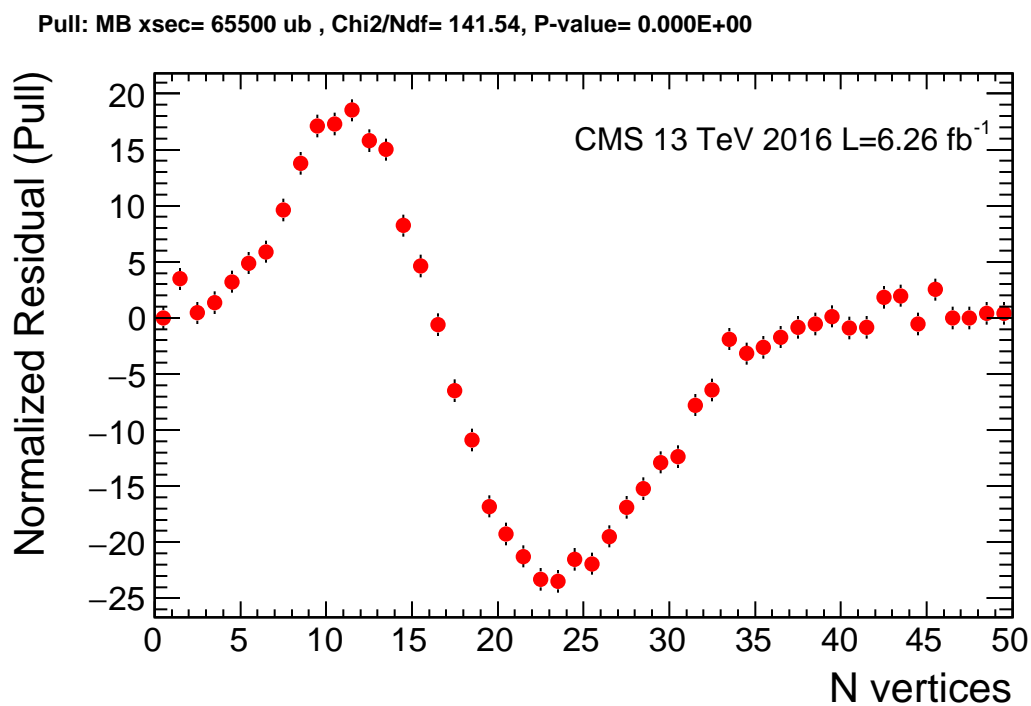
Pull: MB xsec= 64000 ub , Chi2/Ndf= 56.62, P-value= 0.000E+00

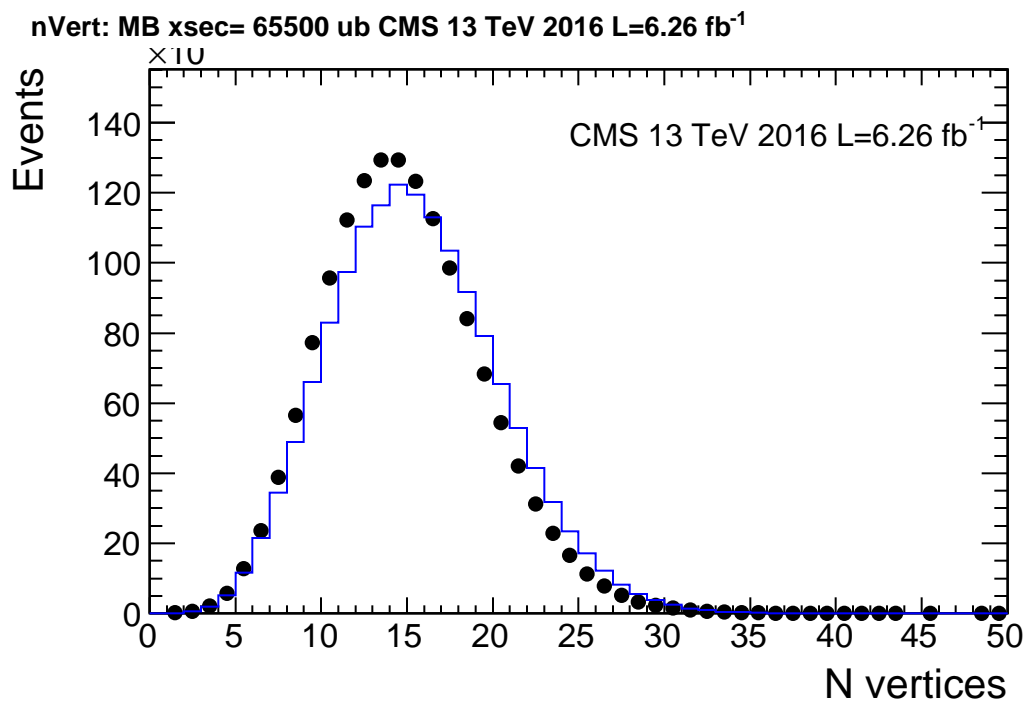CMS 13 TeV 2016 L=6.26 fb⁻¹
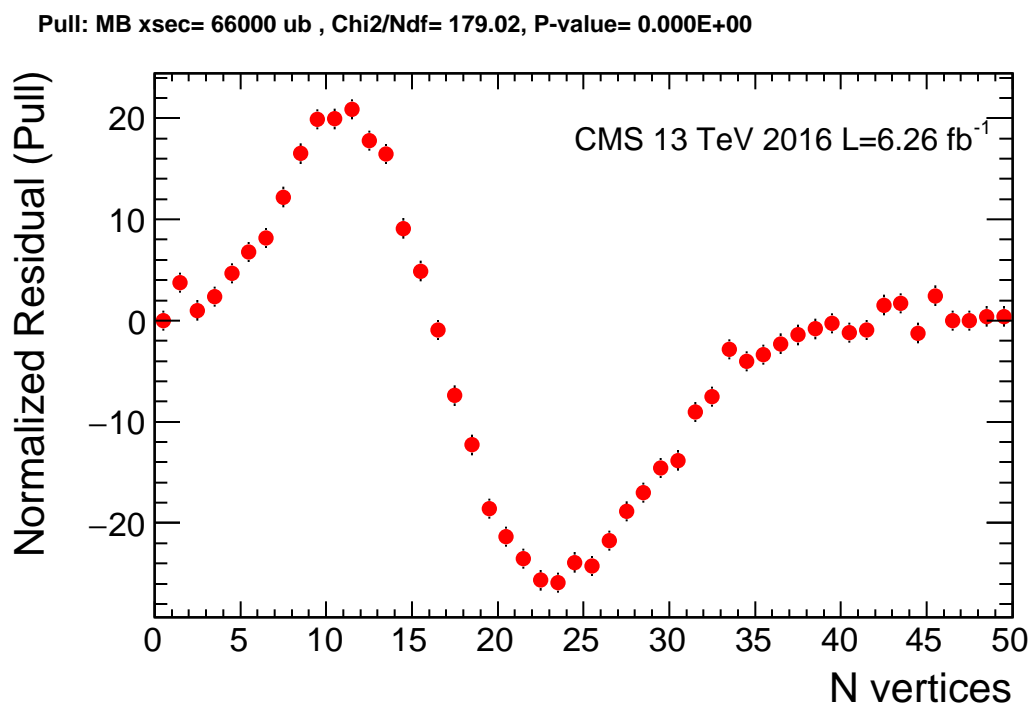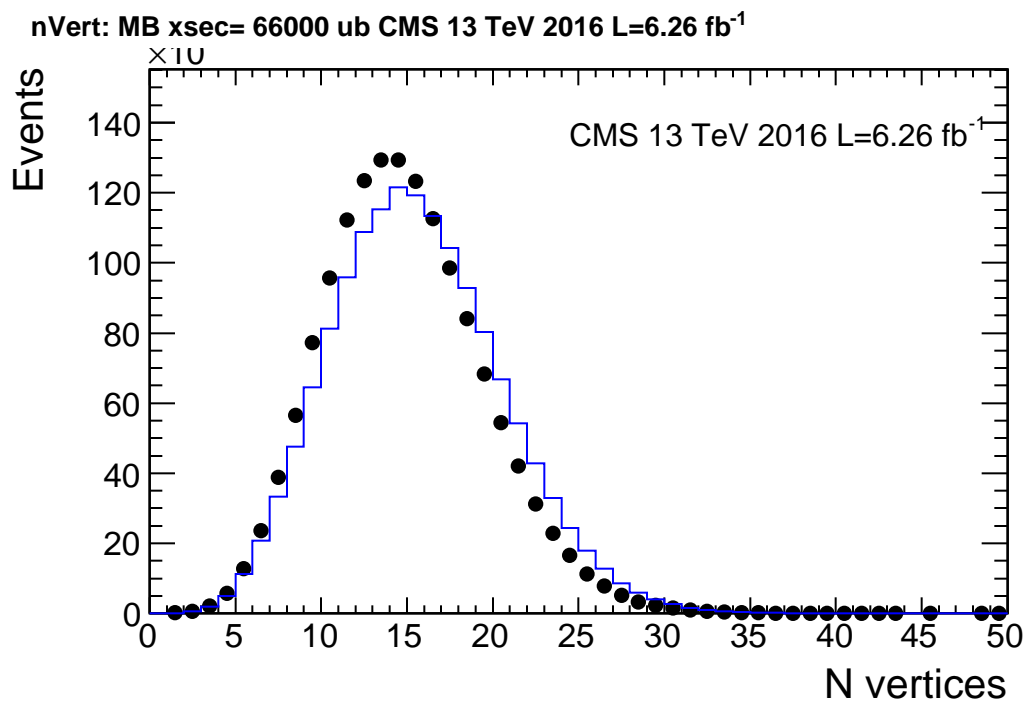
nVert: MB xsec= 64500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 64500 ub , Chi2/Ndf= 80.13, P-value= 0.000E+00

nVert: MB xsec= 65000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Pull: MB xsec= 65000 ub , Chi2/Ndf= 108.50, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 65500 ub CMS 13 TeV 2016 L=6.26 fb^{-1}

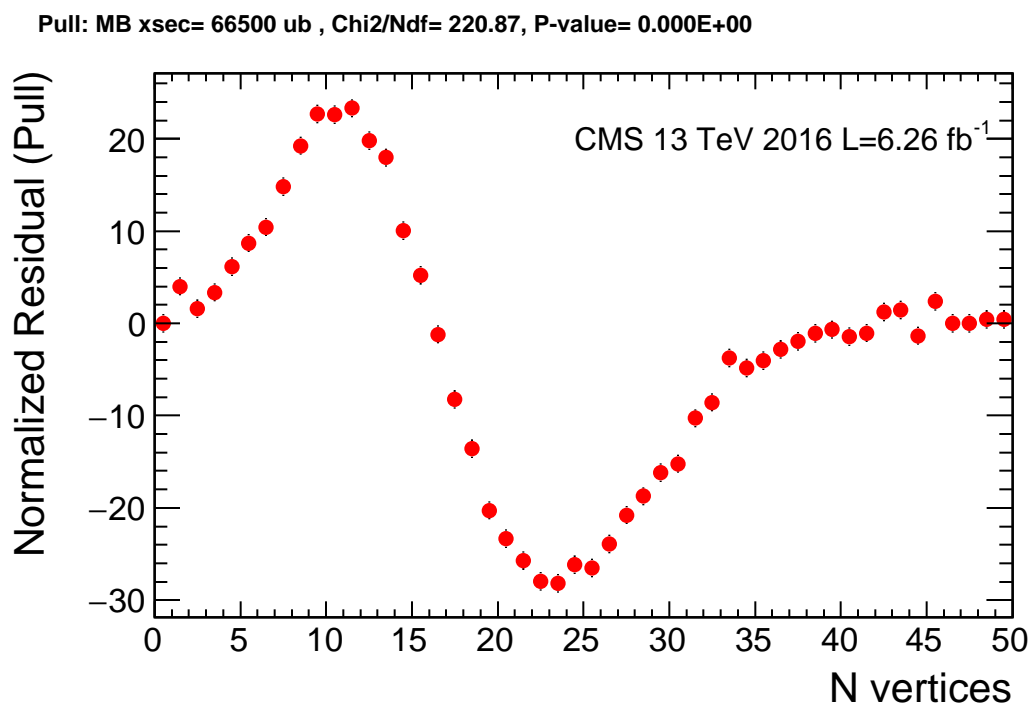CMS 13 TeV 2016 L=6.26 fb^{-1}

Pull: MB xsec= 65500 ub , Chi2/Ndf= 141.54, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb^{-1}

nVert: MB xsec= 66000 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹

Events

×10

N vertices

Pull: MB xsec= 66000 ub , Chi2/Ndf= 179.02, P-value= 0.000E+00

Normalized Residual (Pull)

CMS 13 TeV 2016 L=6.26 fb⁻¹

N vertices

nVert: MB xsec= 66500 ub CMS 13 TeV 2016 L=6.26 fb⁻¹

CMS 13 TeV 2016 L=6.26 fb⁻¹
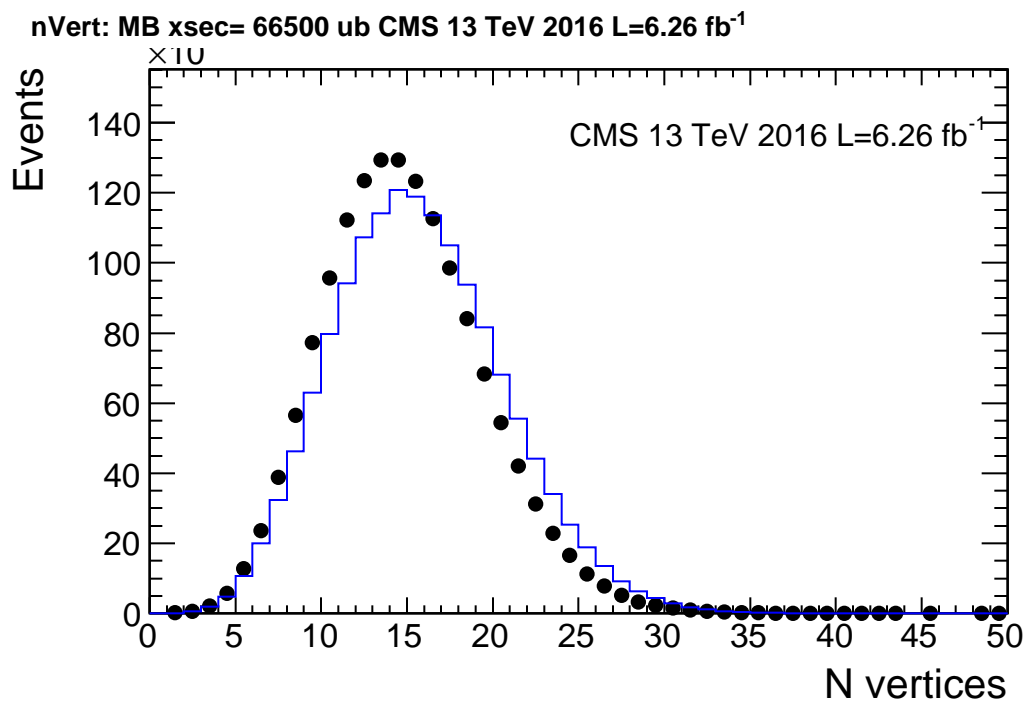
Pull: MB xsec= 66500 ub , Chi2/Ndf= 220.87, P-value= 0.000E+00

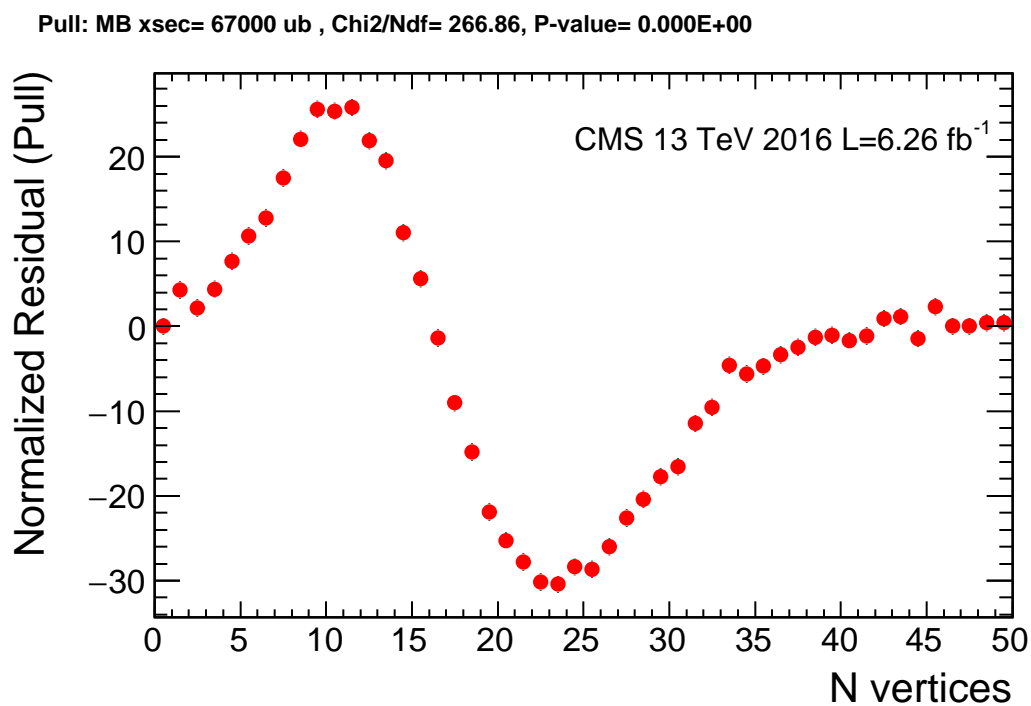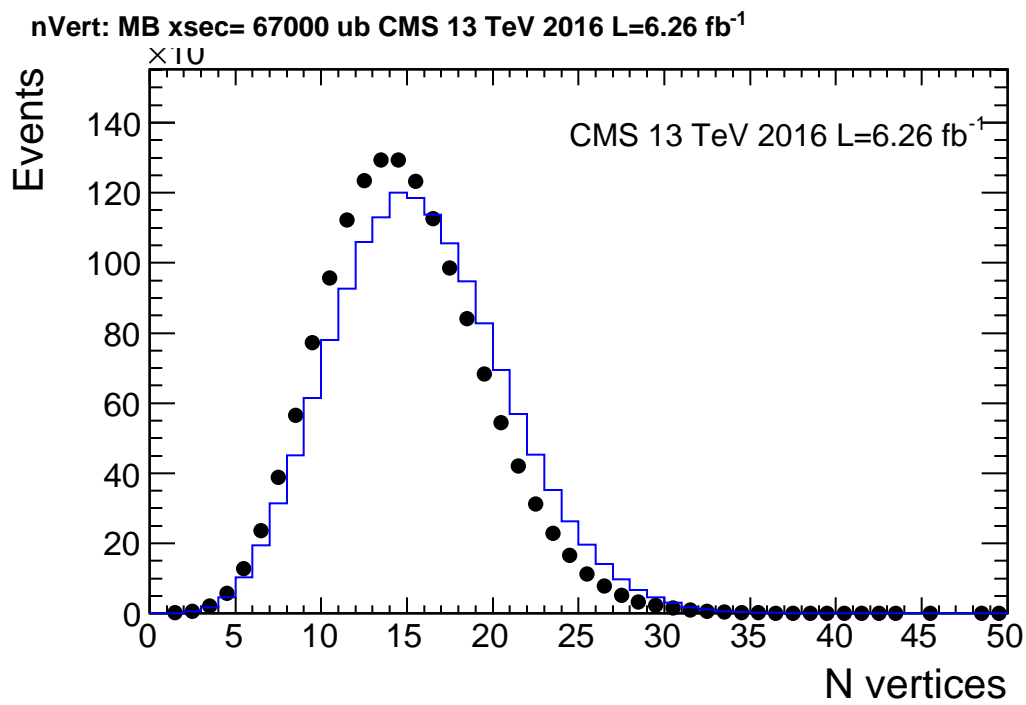CMS 13 TeV 2016 L=6.26 fb⁻¹

nVert: MB xsec= 67000 ub CMS 13 TeV 2016 L=6.26 fb^{-1}

CMS 13 TeV 2016 L=6.26 fb^{-1}

Pull: MB xsec= 67000 ub , Chi2/Ndf= 266.86, P-value= 0.000E+00

CMS 13 TeV 2016 L=6.26 fb^{-1}

Pileup Data/MC matching p-value vs. MB xsec

CMS 13 TeV 2016 L=6.26 fb[-1]
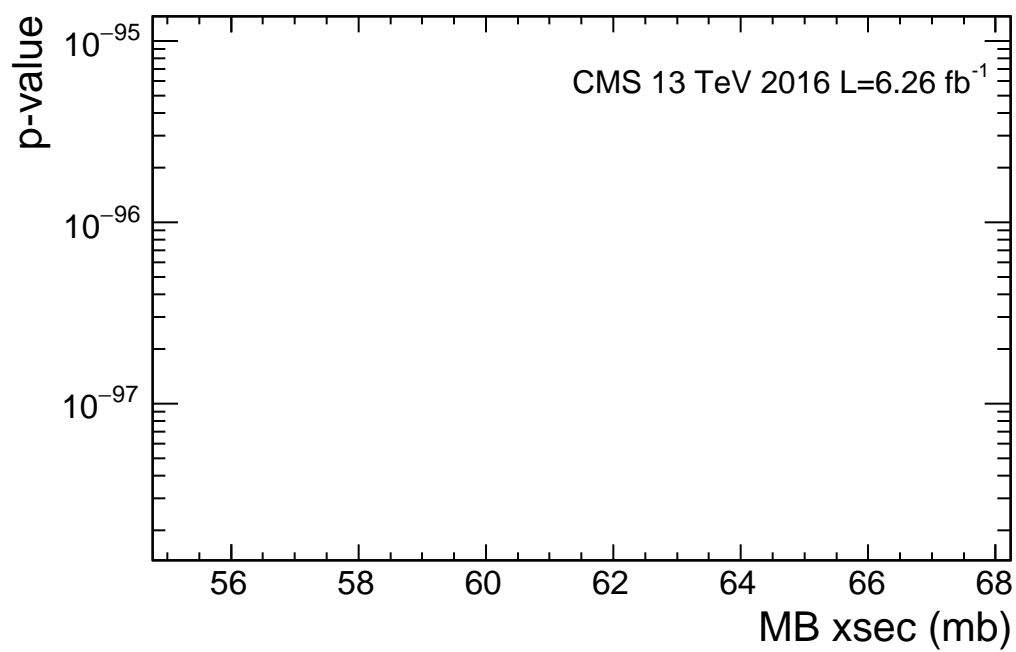
Pileup Data/MC matching Chi2/Ndf vs. MB xsec, min at 62.159±1.207 mb

CMS 13 TeV 2016 L=6.26 fb[-1]