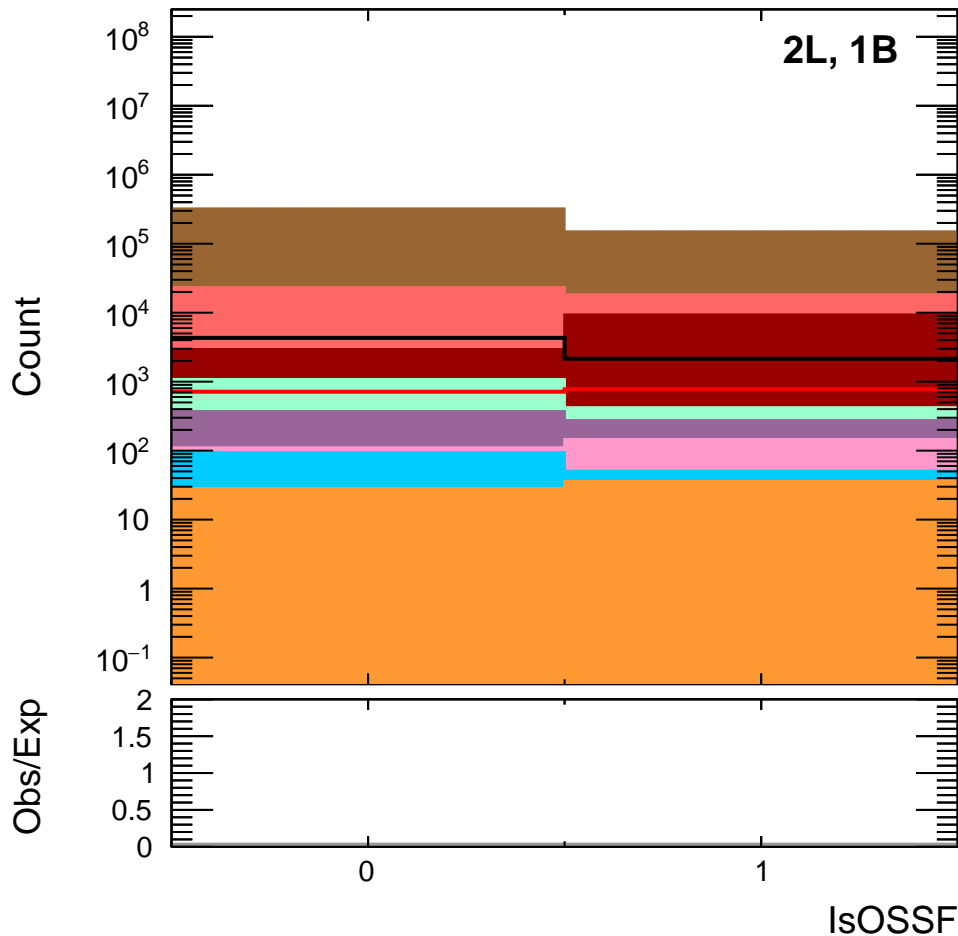


Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

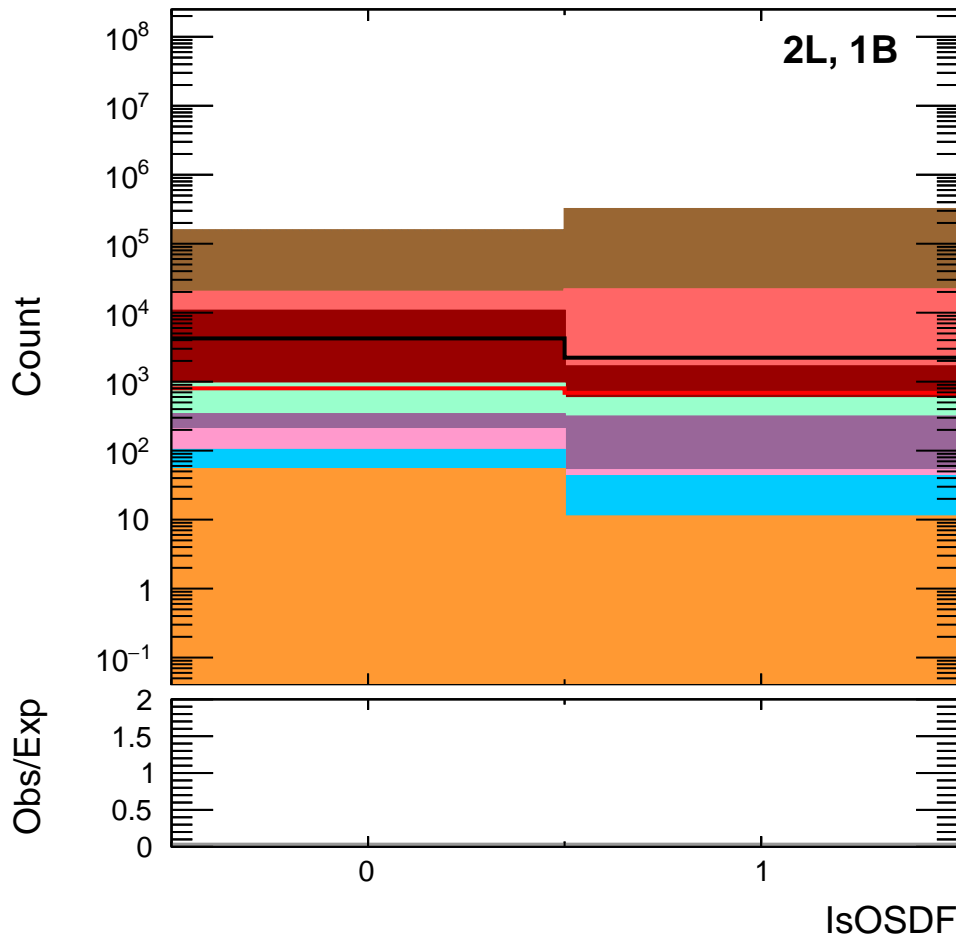
TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsfilters>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiLsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

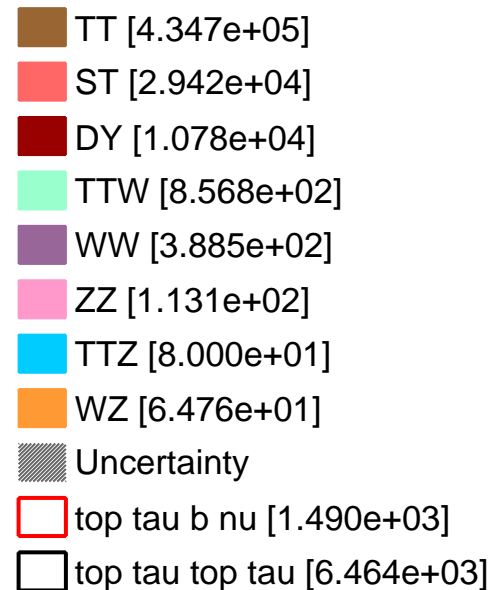
TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1

Count

Obs/Exp

2L, 1B

Obs/Exp: 0.00 Exp: 4.765e+05



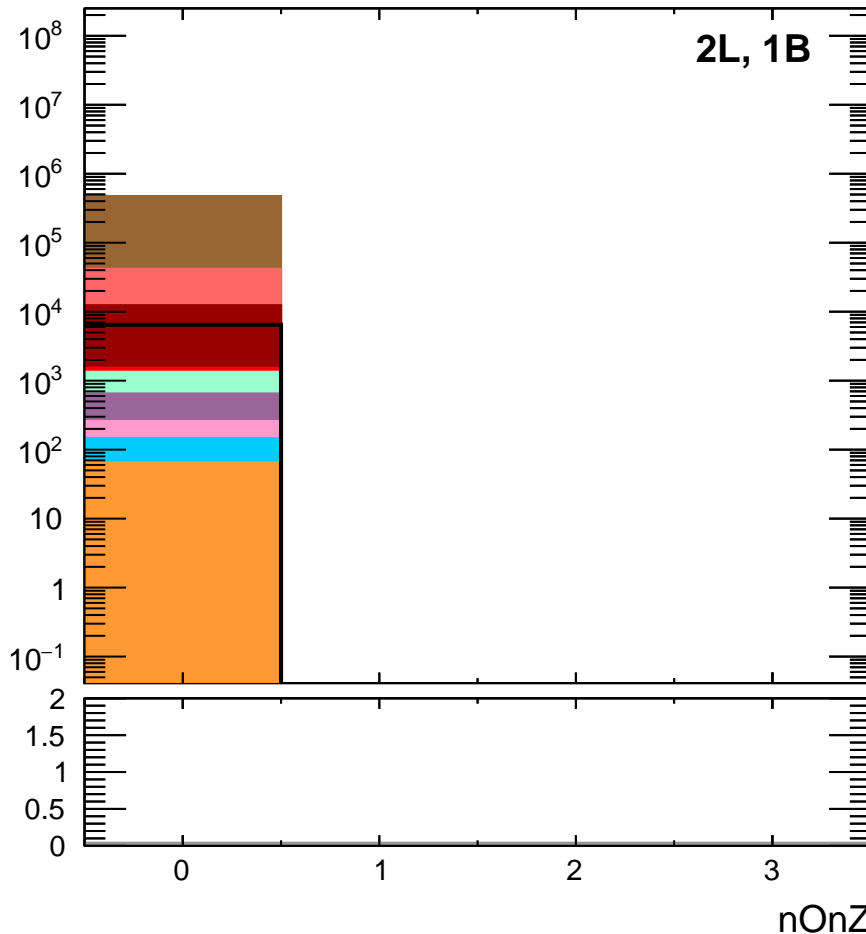
IsSS

TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsfFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1

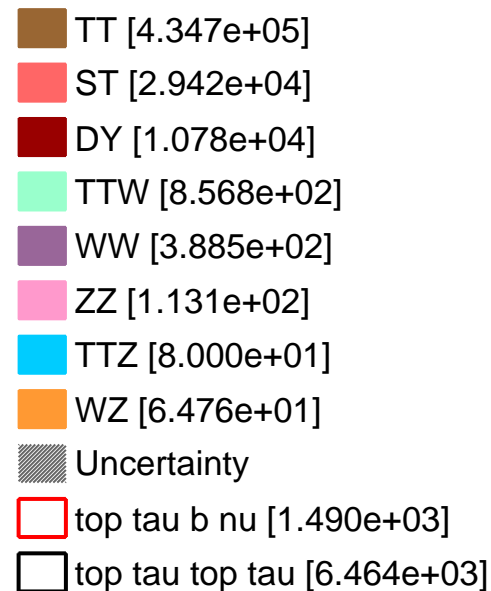
Count

2L, 1B

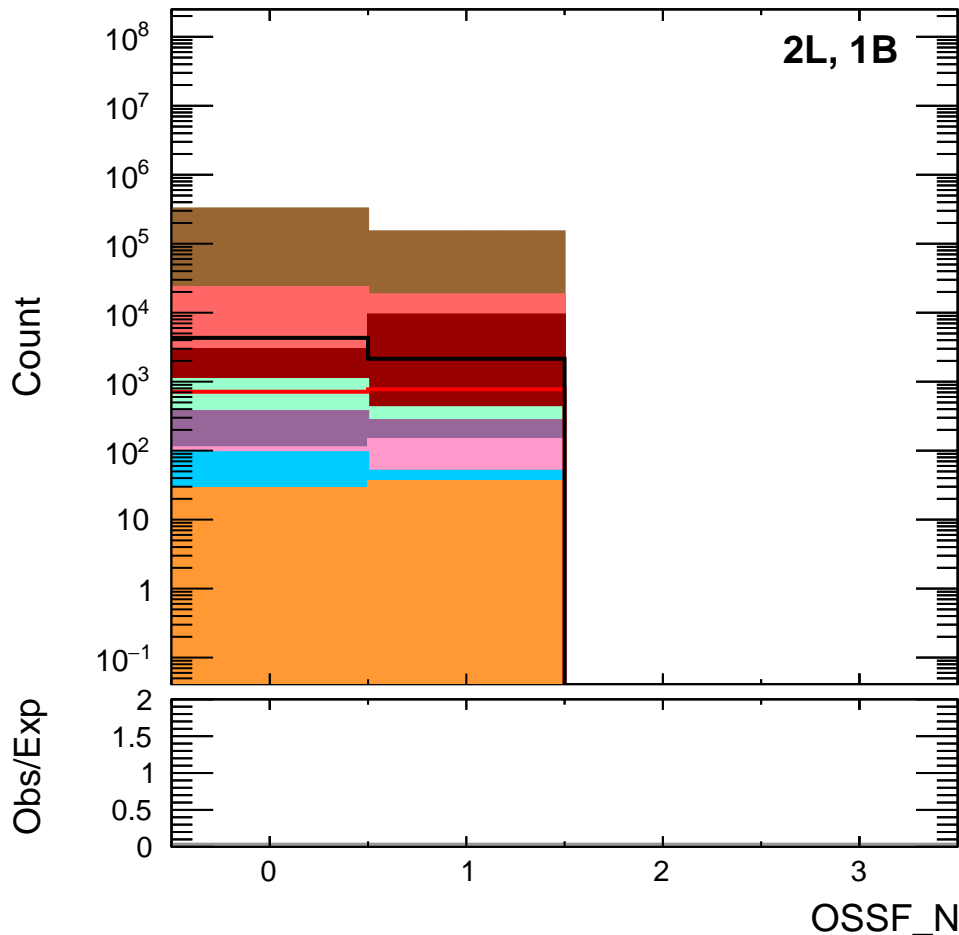
Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05

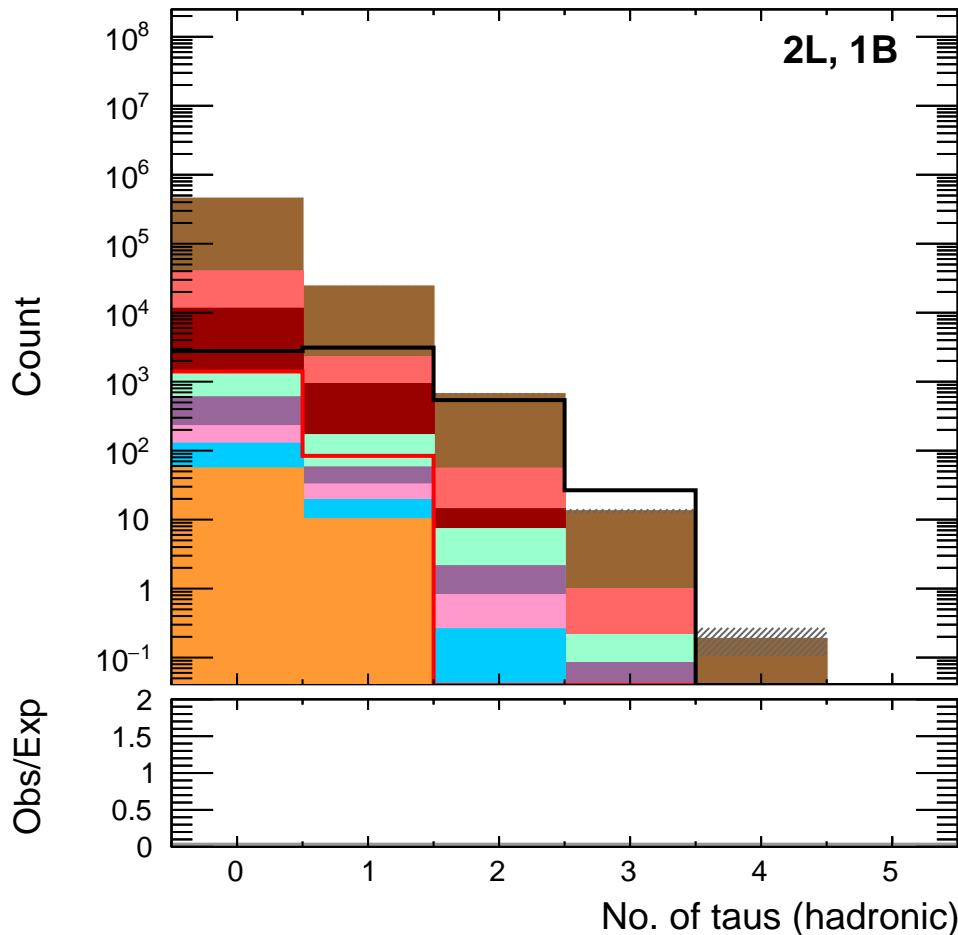


TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]



Obs/Exp: 0.00 Exp: 4.765e+05

TT [4.347e+05]

ST [2.942e+04]

DY [1.078e+04]

TTW [8.568e+02]

WW [3.885e+02]

ZZ [1.131e+02]

TTZ [8.000e+01]

WZ [6.476e+01]

Uncertainty

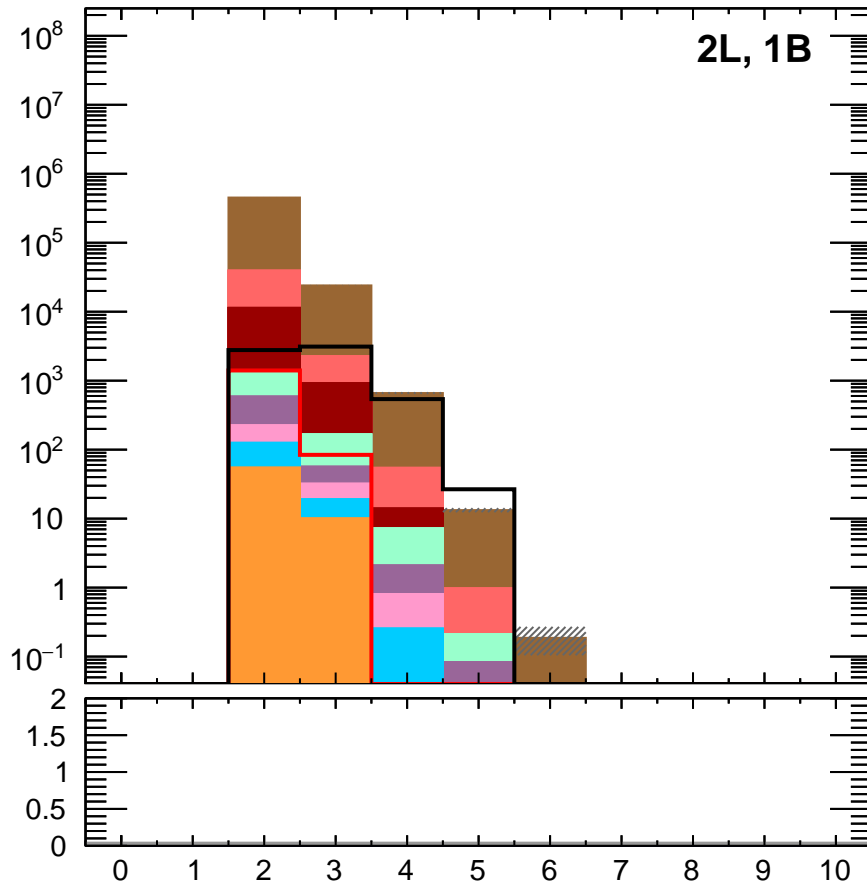
top tau b nu [1.490e+03]

top tau top tau [6.464e+03]

Count

2L, 1B

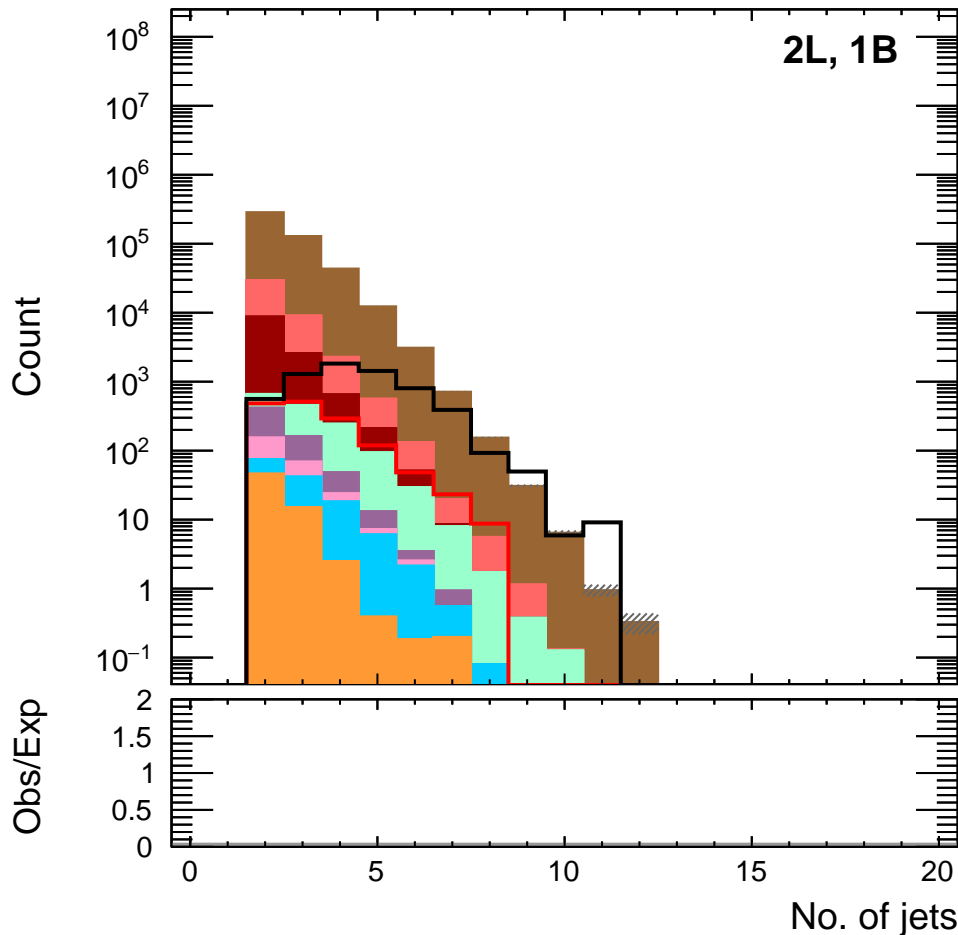
Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05







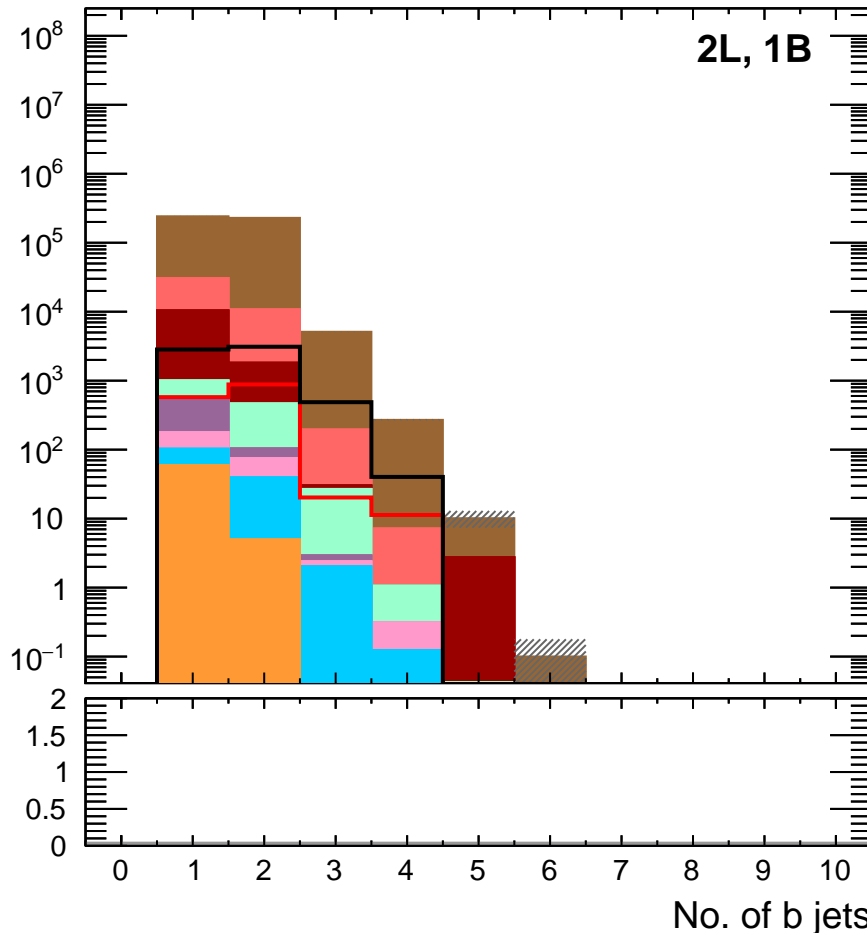
Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.079e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

Count

2L, 1B

Obs/Exp



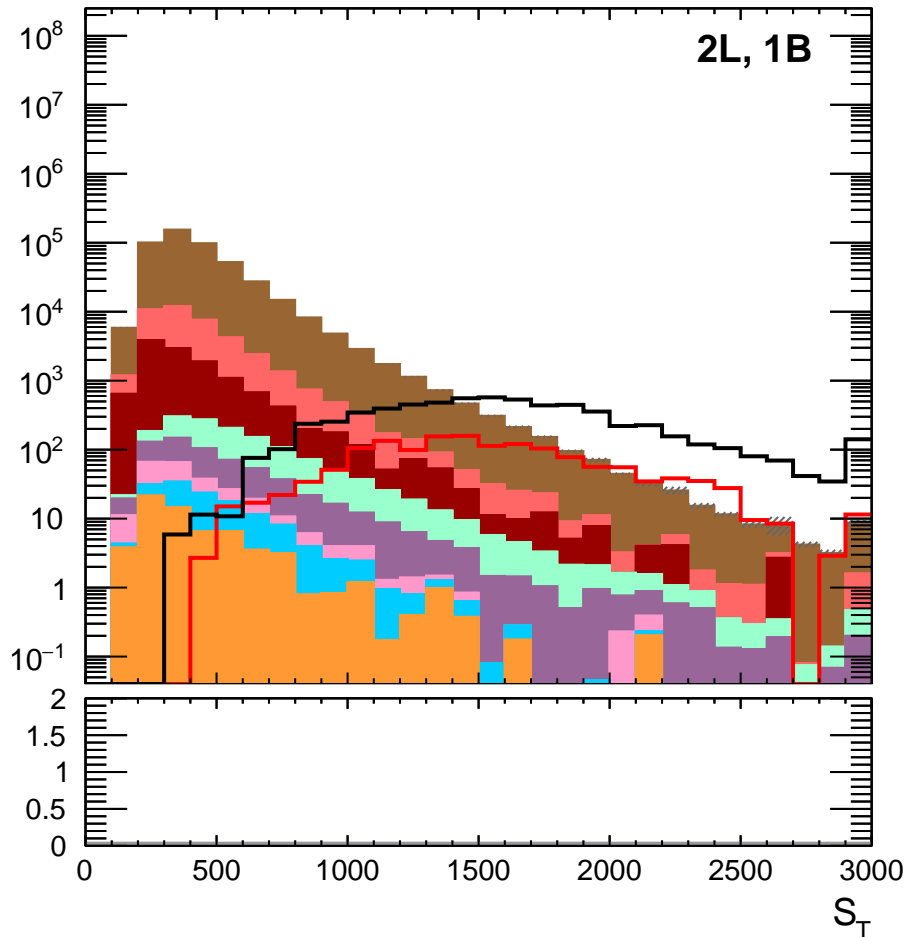
Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

Count

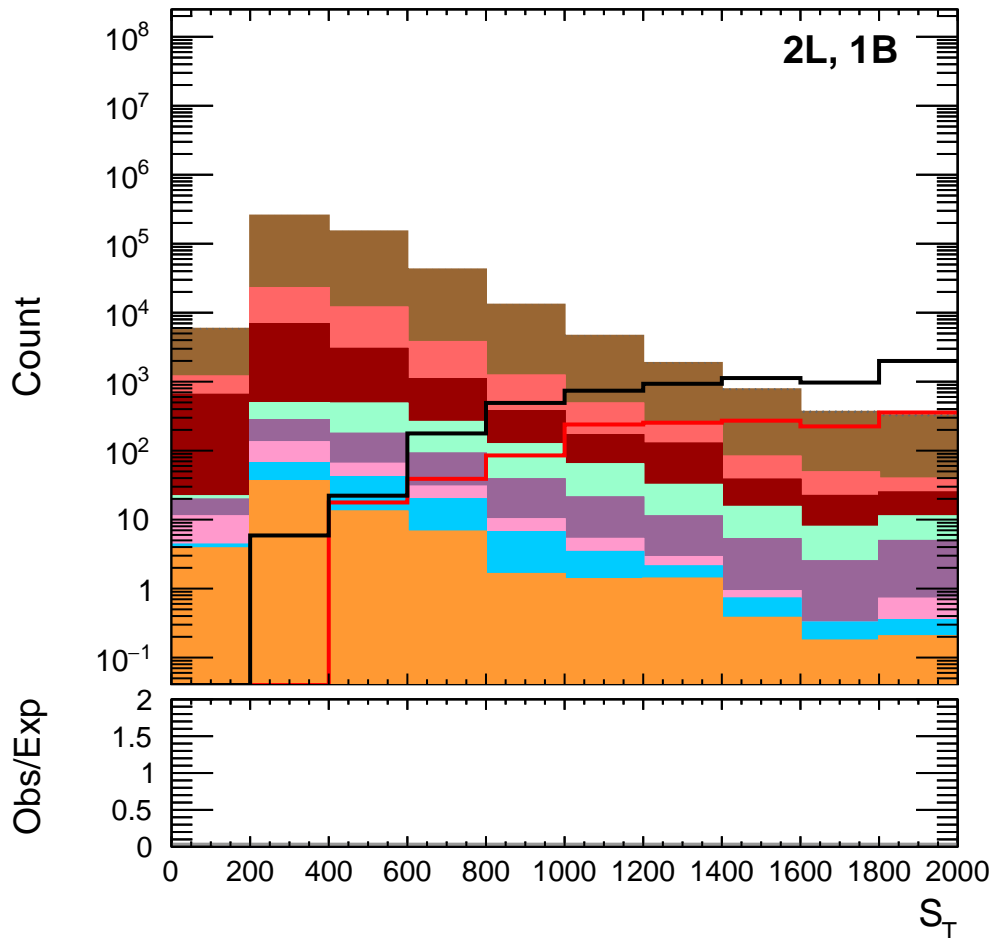
2L, 1B

Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.079e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]



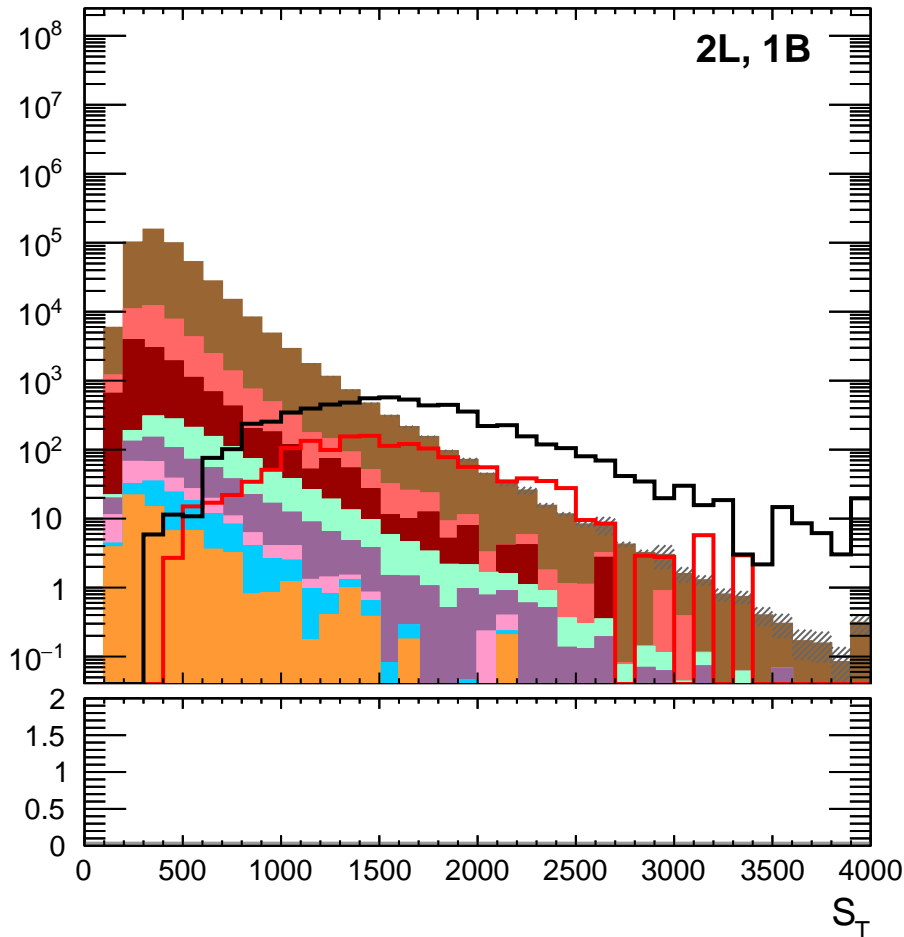
Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

Count

Obs/Exp

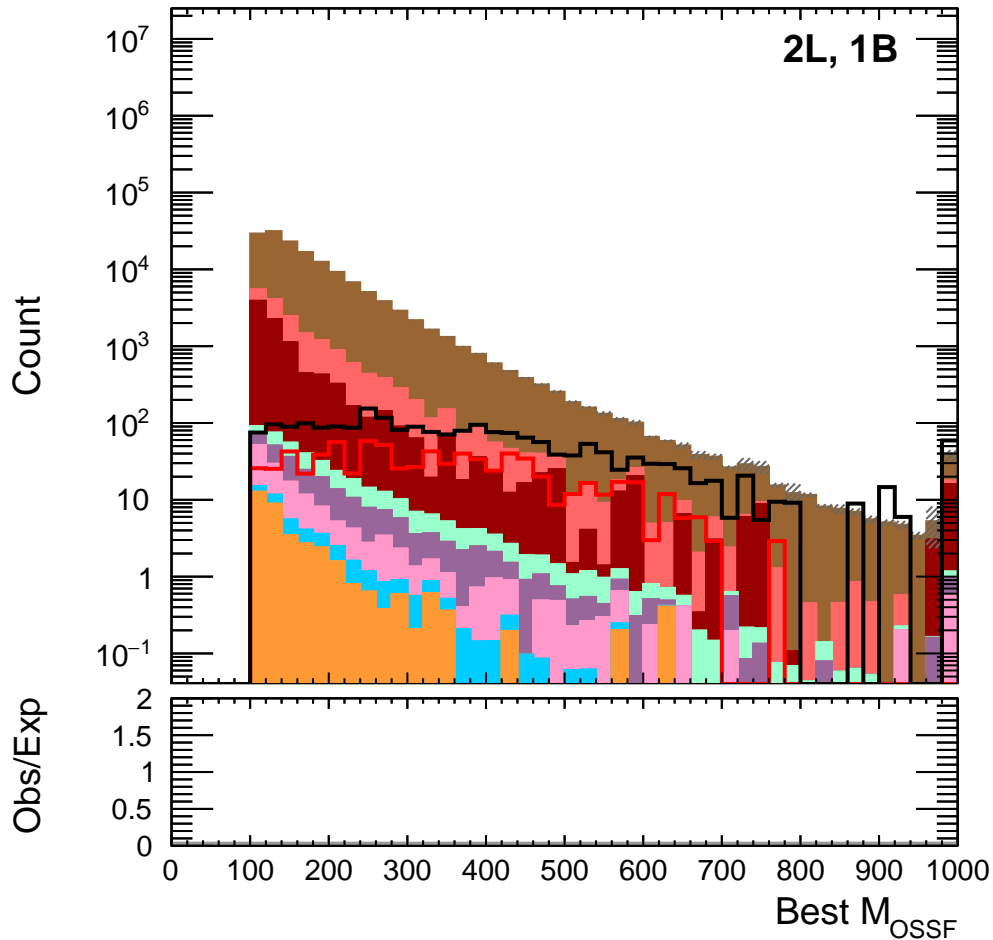
2L, 1B



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.079e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>M2high\_)&&1



Obs/Exp: 0.00 Exp: 1.513e+05

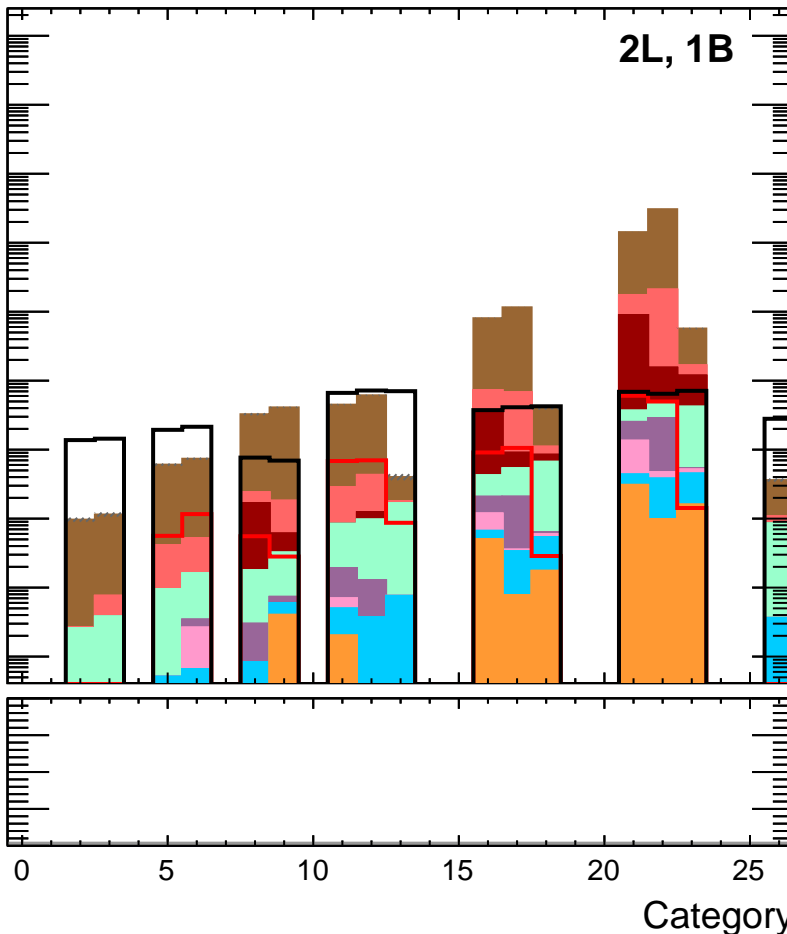
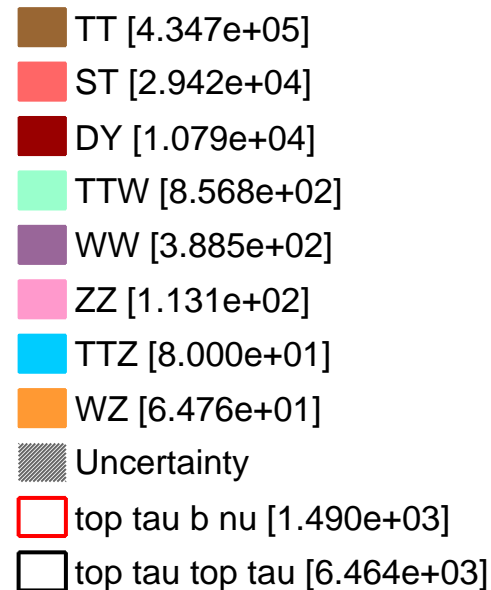
- TT [1.331e+05]
- ST [8.911e+03]
- DY [8.923e+03]
- TTW [1.462e+02]
- WW [1.280e+02]
- ZZ [9.640e+01]
- TTZ [1.483e+01]
- WZ [3.604e+01]
- Uncertainty
- top tau b nu [7.749e+02]
- top tau top tau [2.149e+03]

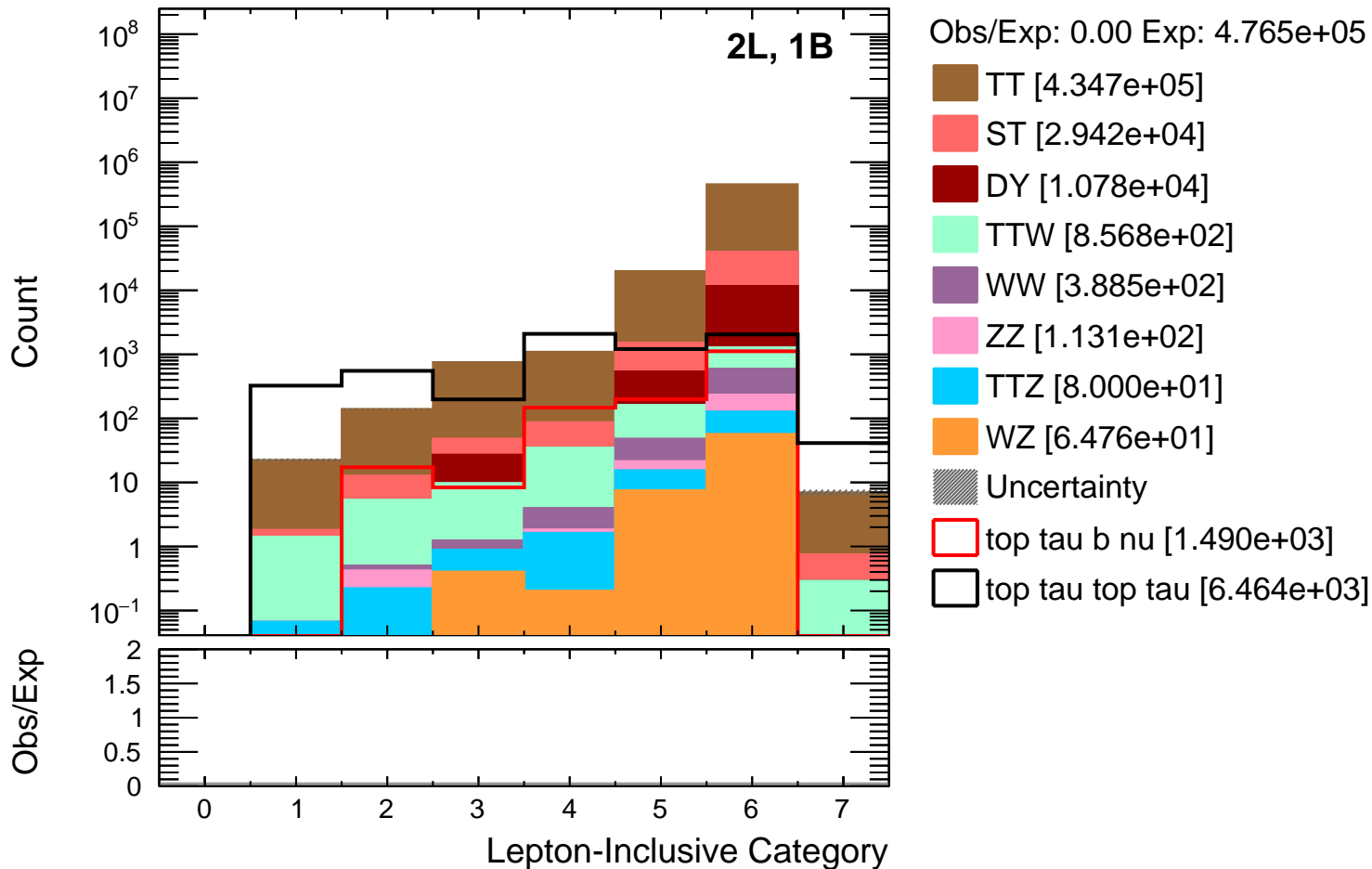
Count

Obs/Exp

2L, 1B

Obs/Exp: 0.00 Exp: 4.765e+05



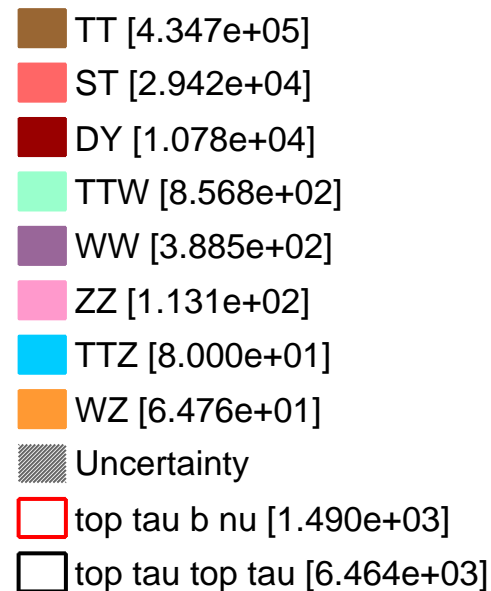




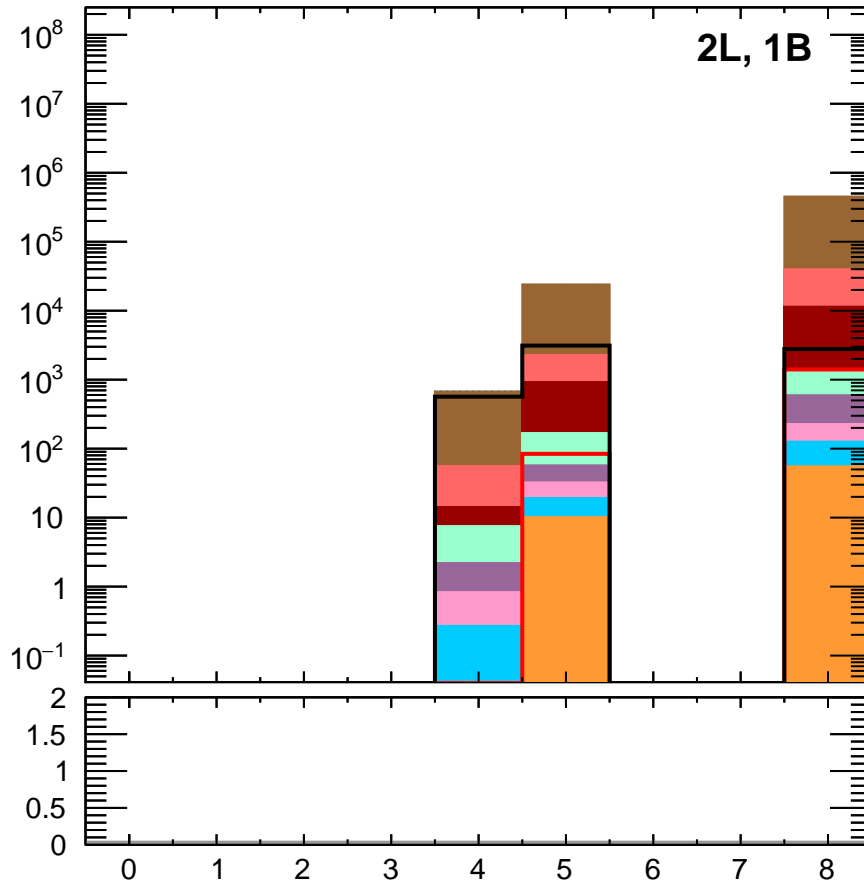
Count

2L, 1B

Obs/Exp: 0.00 Exp: 4.765e+05

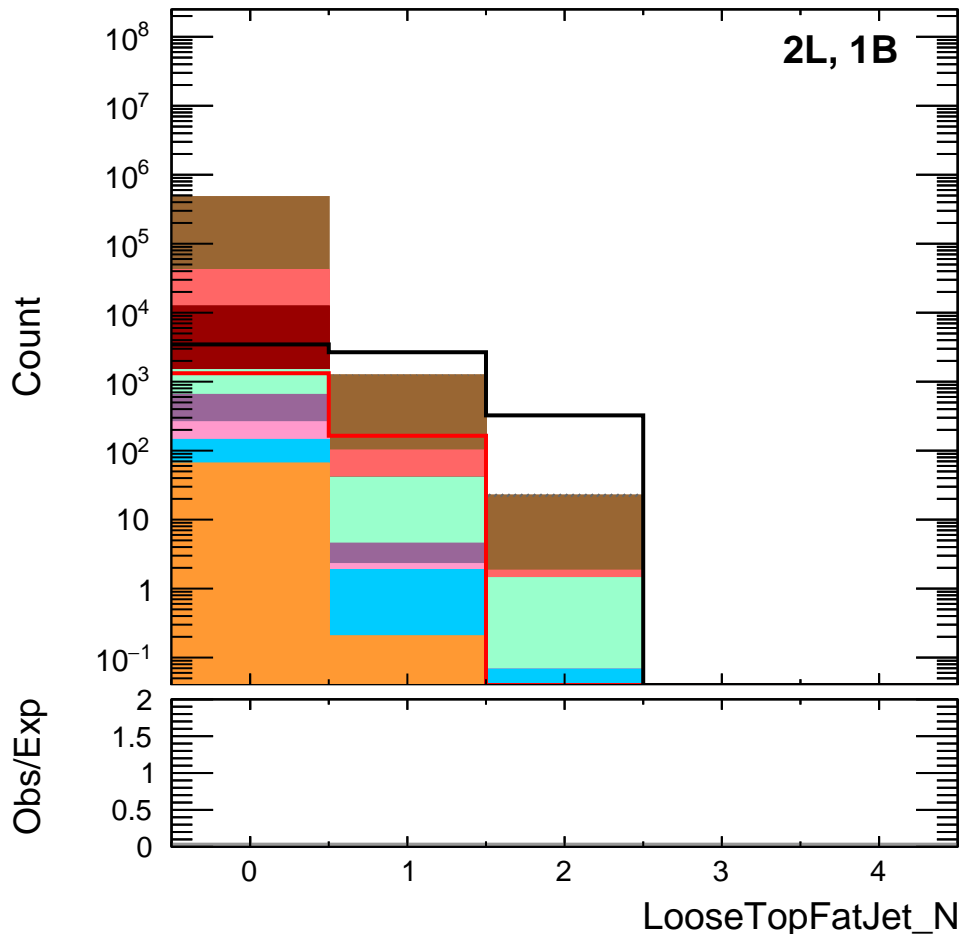


Obs/Exp



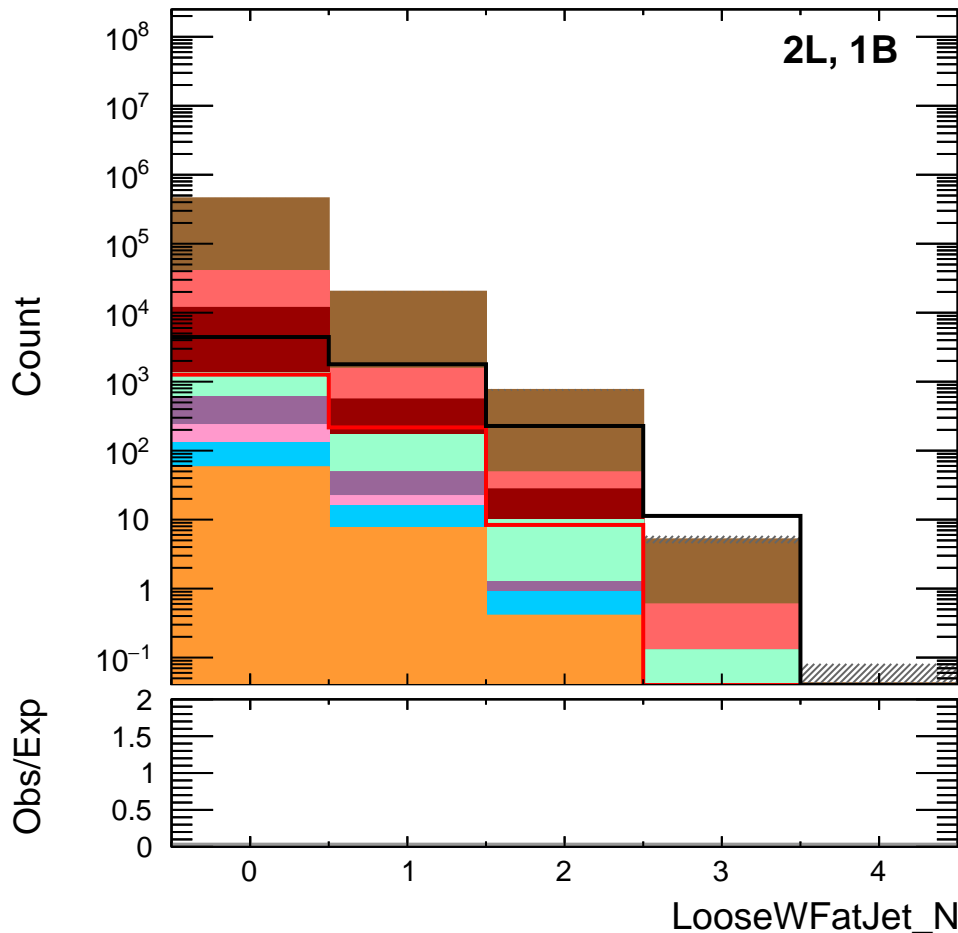
EXO-21-002 Category

TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1



Obs/Exp: 0.00 Exp: 4.765e+05

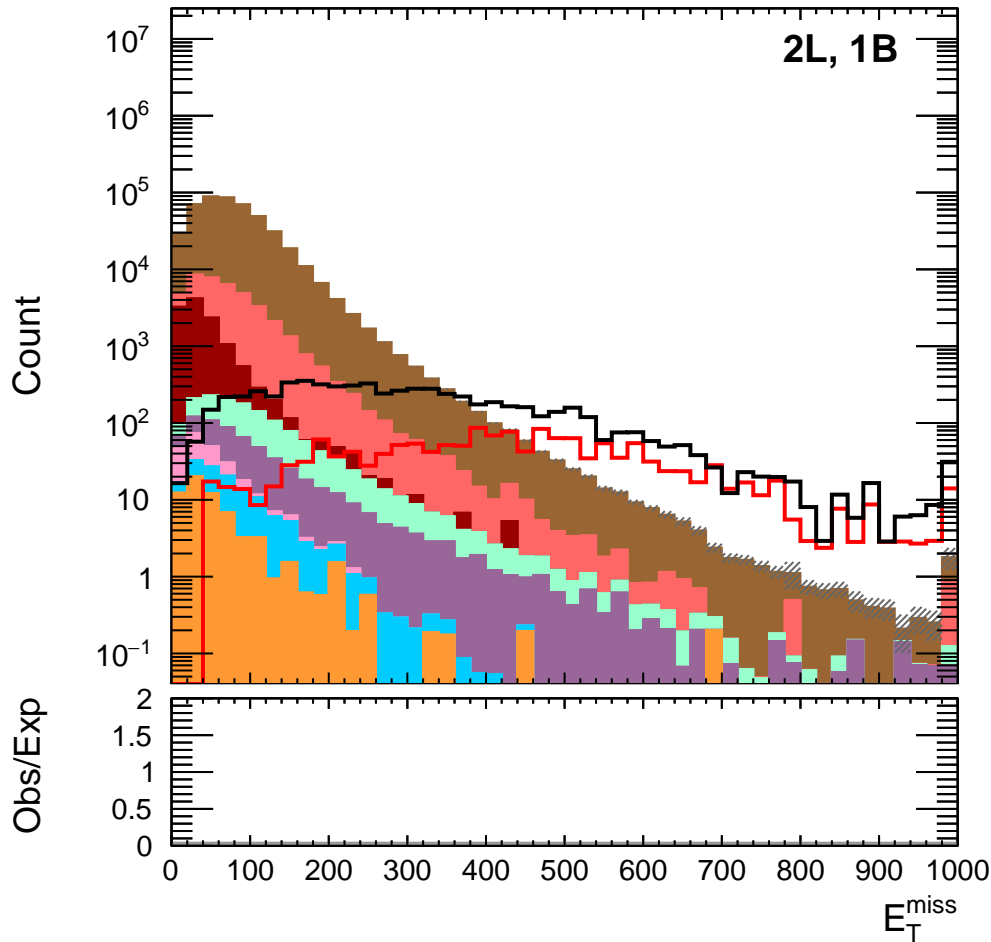
- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]



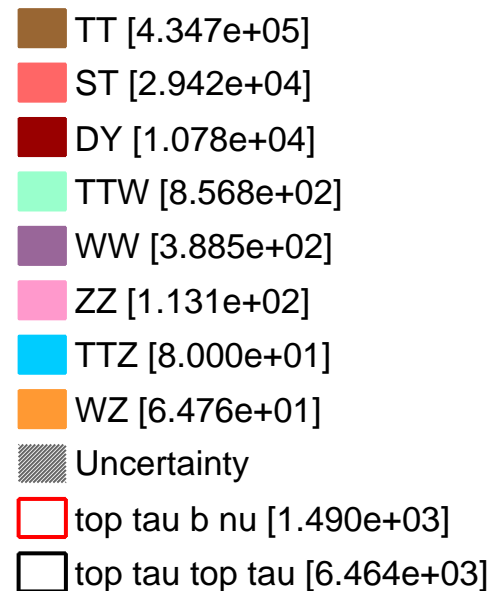
Obs/Exp: 0.00 Exp: 4.765e+05

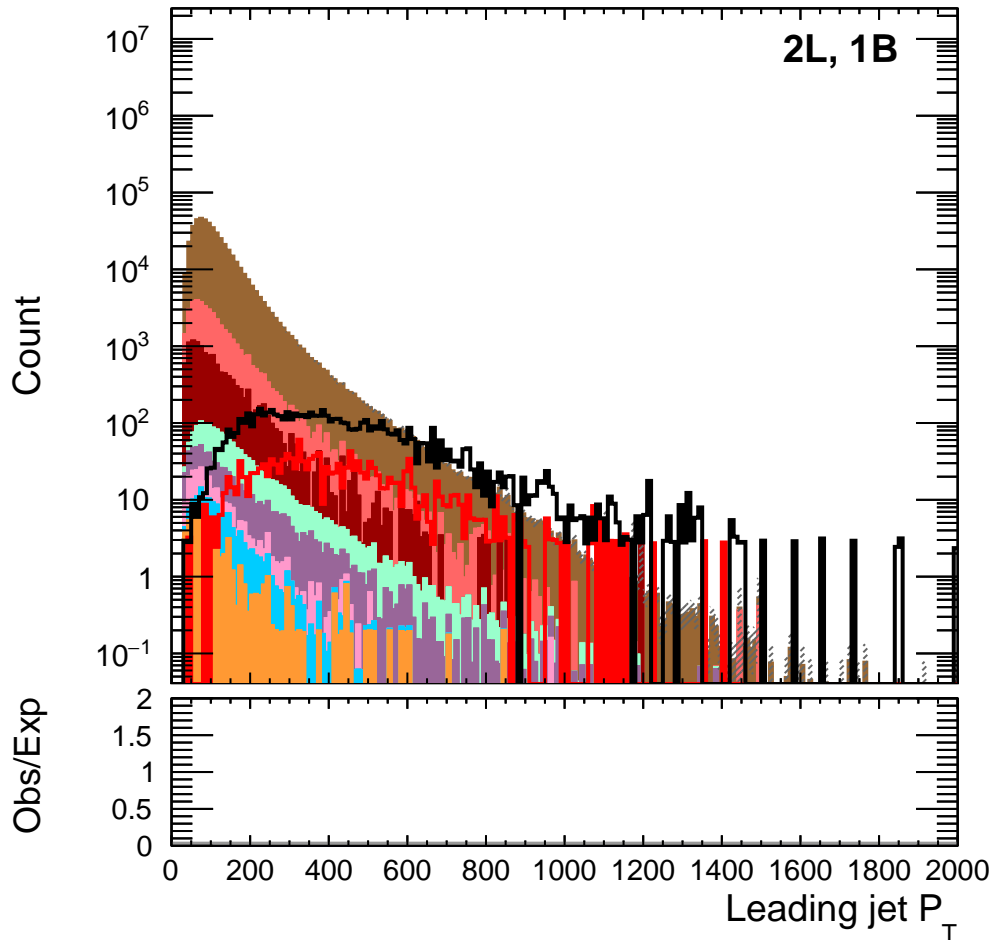
- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.078e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

TrigAccept>0 && Event\_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton\_N==2 && CustomJet\_N > 1 && CustomBJet\_N > 0 && nOnZ==0 && (OSSF\_N == 0 || Event\_BestMOSSF[0]>MZhig\_)&&1



Obs/Exp: 0.00 Exp: 4.765e+05





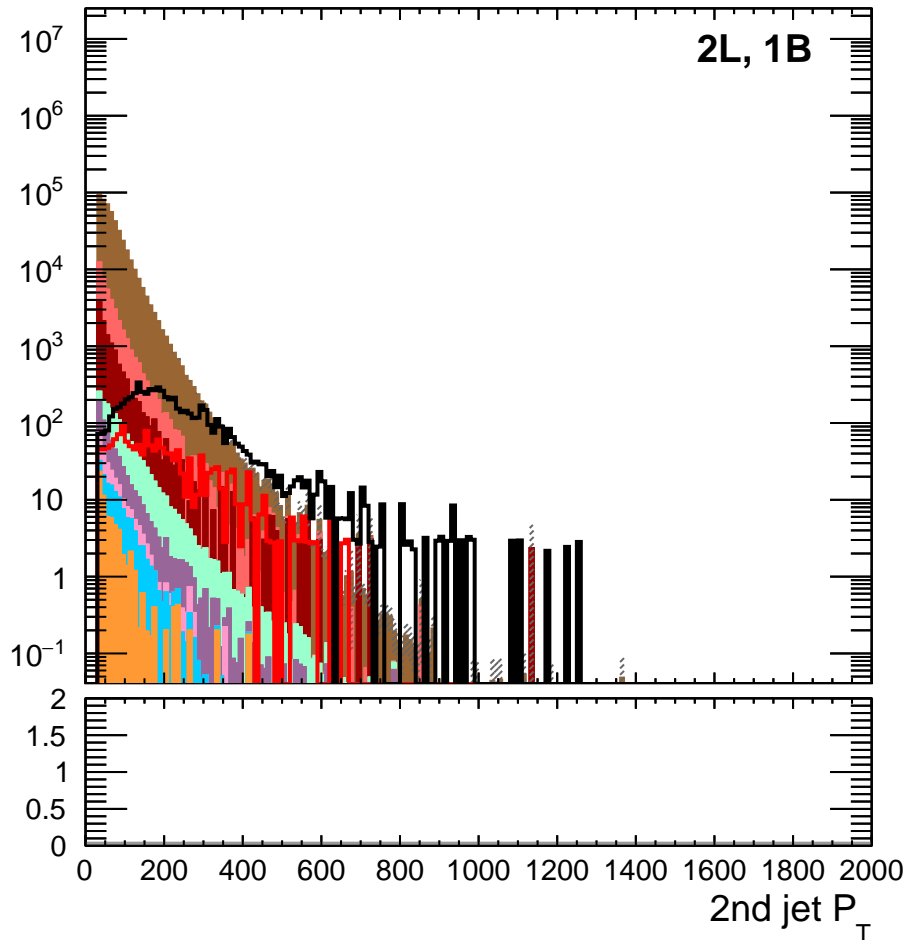
Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.080e+04]
- TTW [8.569e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.002e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]

Count

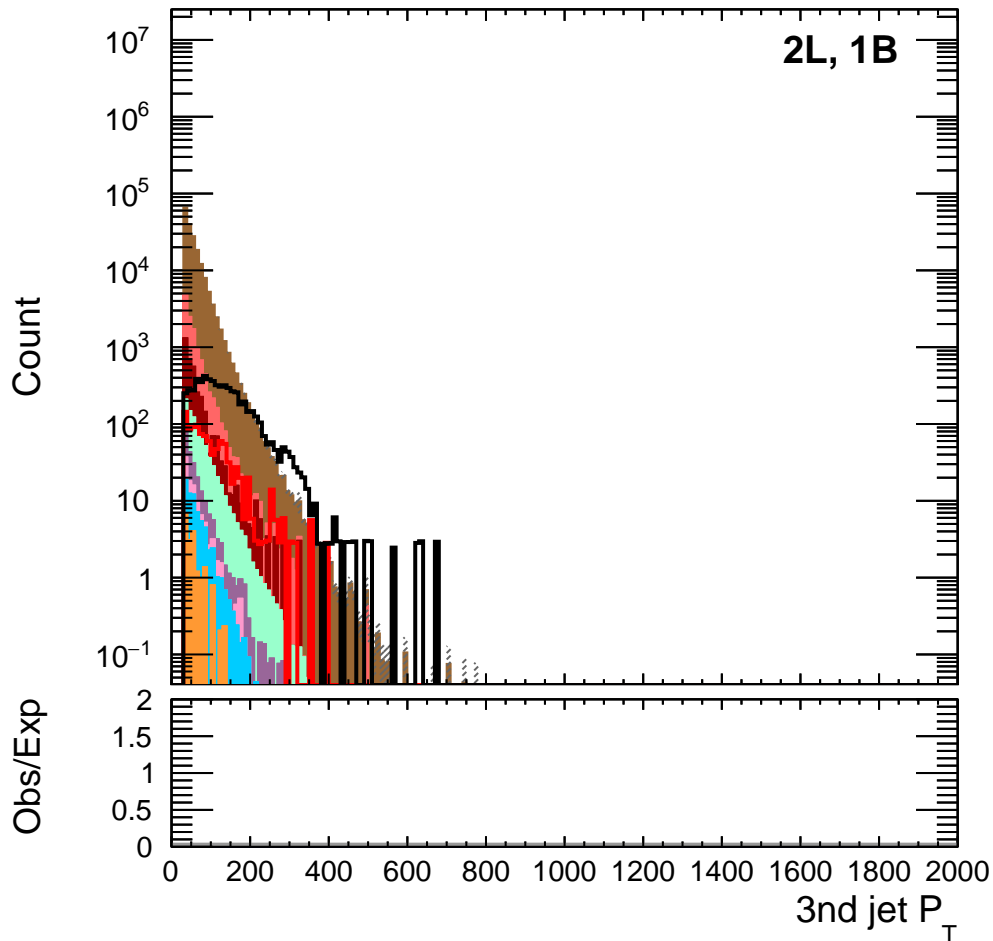
2L, 1B

Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.080e+04]
- TTW [8.569e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.000e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]



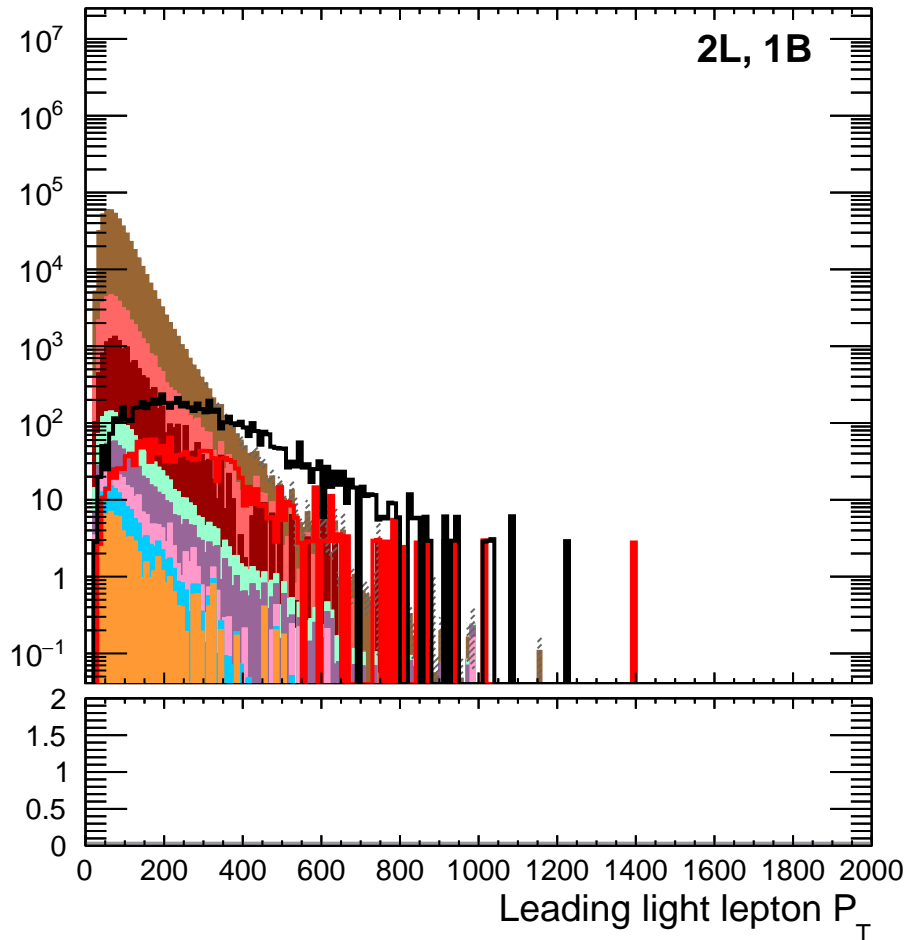
Obs/Exp: 0.00 Exp: 1.894e+05

- TT [1.773e+05]
- ST [8.570e+03]
- DY [2.680e+03]
- TTW [6.112e+02]
- WW [1.246e+02]
- ZZ [3.443e+01]
- TTZ [5.068e+01]
- WZ [1.848e+01]
- Uncertainty
- top tau b nu [1.006e+03]
- top tau top tau [5.903e+03]

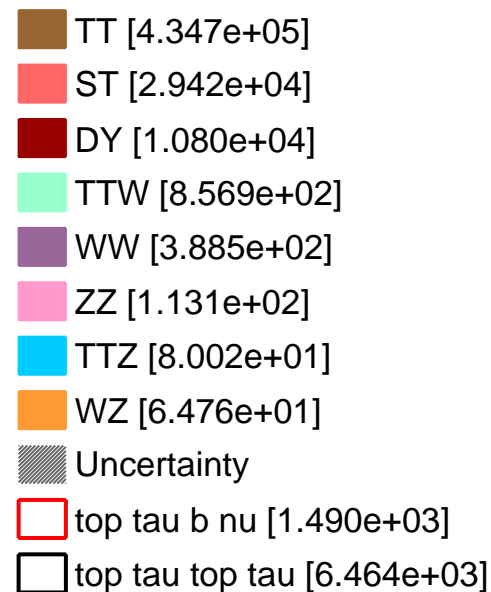
Count

2L, 1B

Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05

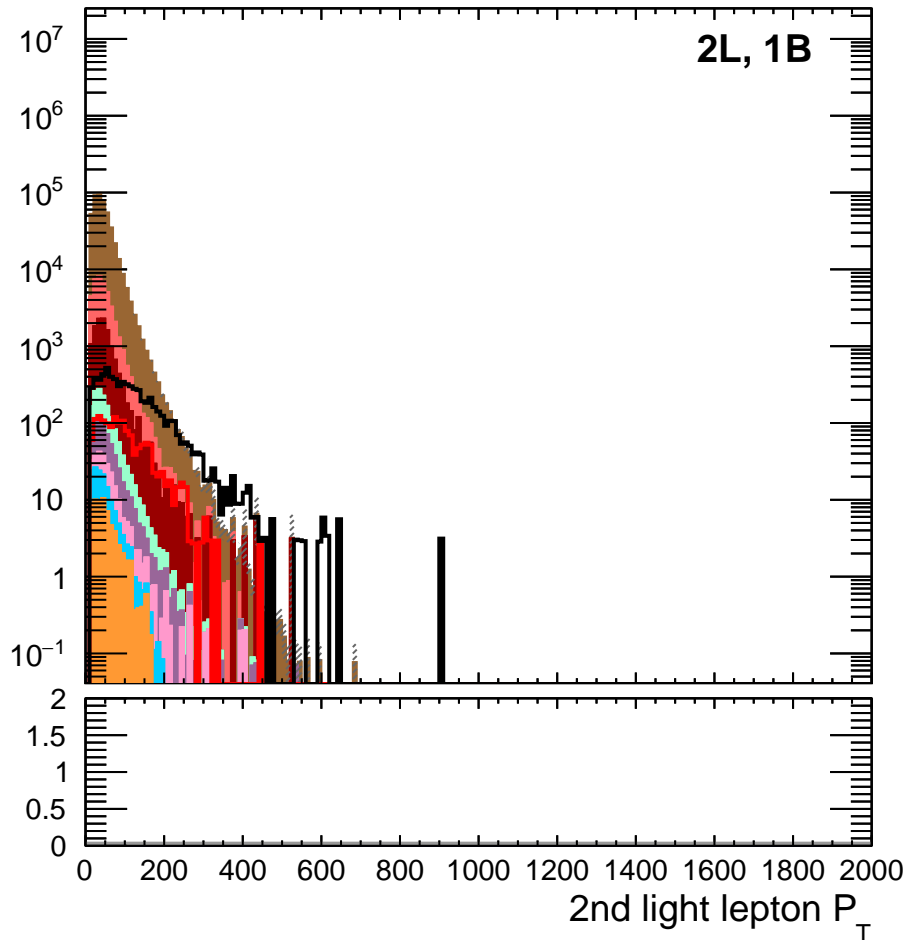




Count

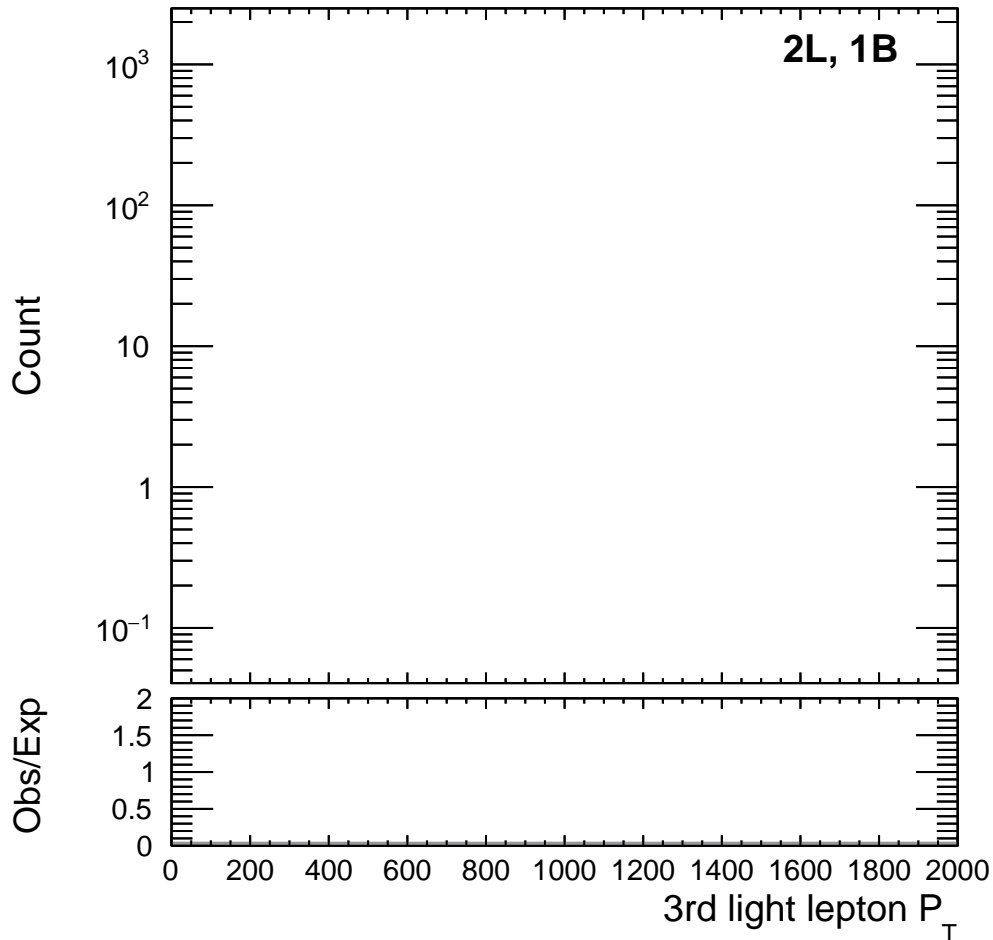
2L, 1B

Obs/Exp



Obs/Exp: 0.00 Exp: 4.765e+05

- TT [4.347e+05]
- ST [2.942e+04]
- DY [1.079e+04]
- TTW [8.568e+02]
- WW [3.885e+02]
- ZZ [1.131e+02]
- TTZ [8.001e+01]
- WZ [6.476e+01]
- Uncertainty
- top tau b nu [1.490e+03]
- top tau top tau [6.464e+03]



Obs/Exp: N/A Exp: 0.000e+00

- TT [0.000e+00]
- ST [0.000e+00]
- DY [0.000e+00]
- TTW [0.000e+00]
- WW [0.000e+00]
- ZZ [0.000e+00]
- TTZ [0.000e+00]
- WZ [0.000e+00]
- Uncertainty
- top tau b nu [0.000e+00]
- top tau top tau [0.000e+00]