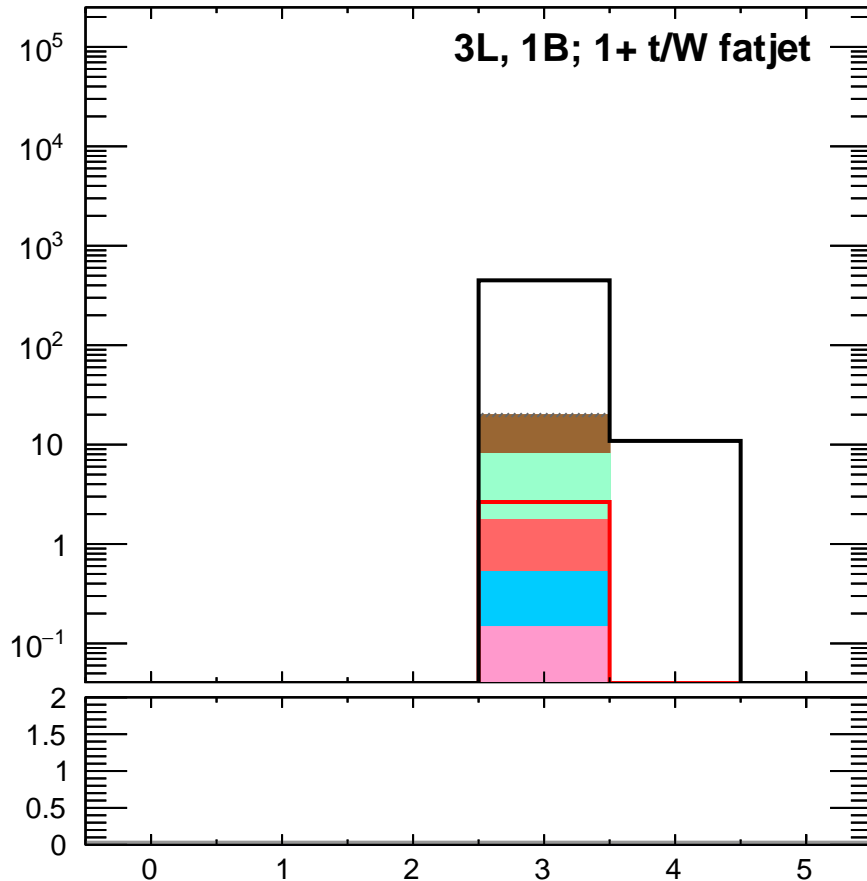


TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiLionFilter=0 && LightLpton_No=0&&LightLpton_No=2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ=0 && (OSBF_N = 0 || Event_BesMOSBF[0]-M2High_) && (LooseTopFatJet_N > 0 || LooseWFatJet_N > 0)

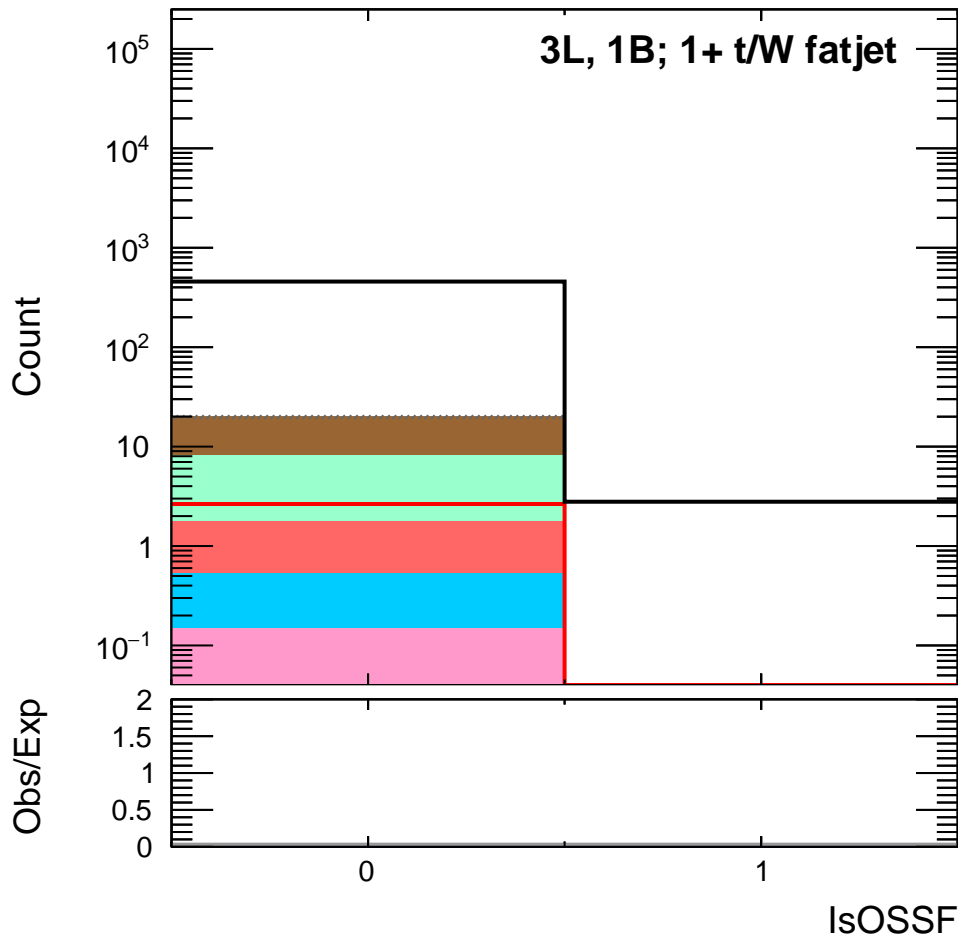
Count

3L, 1B; 1+ t/W fatjet

Obs/Exp



No. of light leptons



Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]

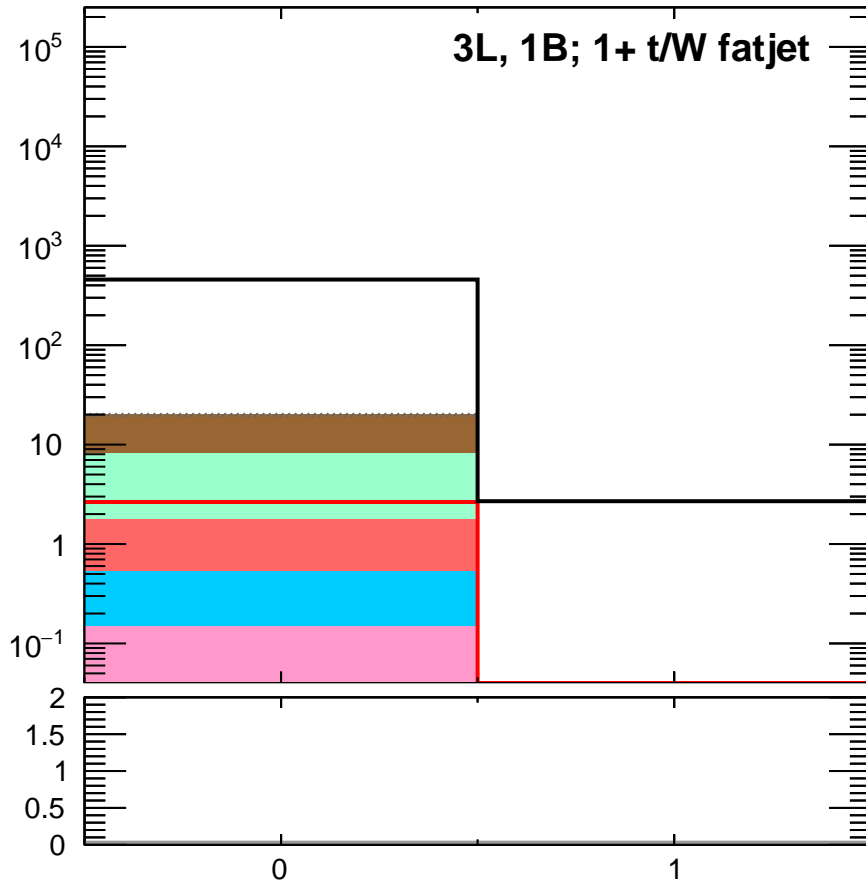
Count

Obs/Exp

3L, 1B; 1+ t/W fatjet

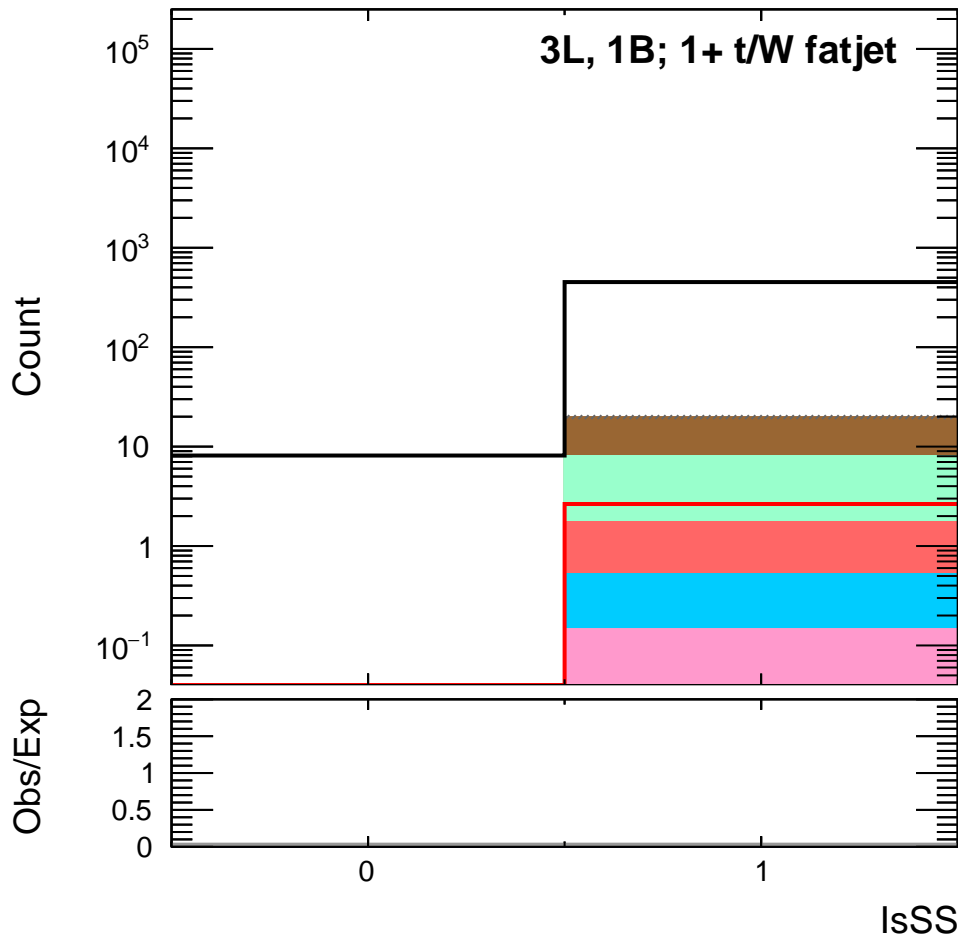
Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



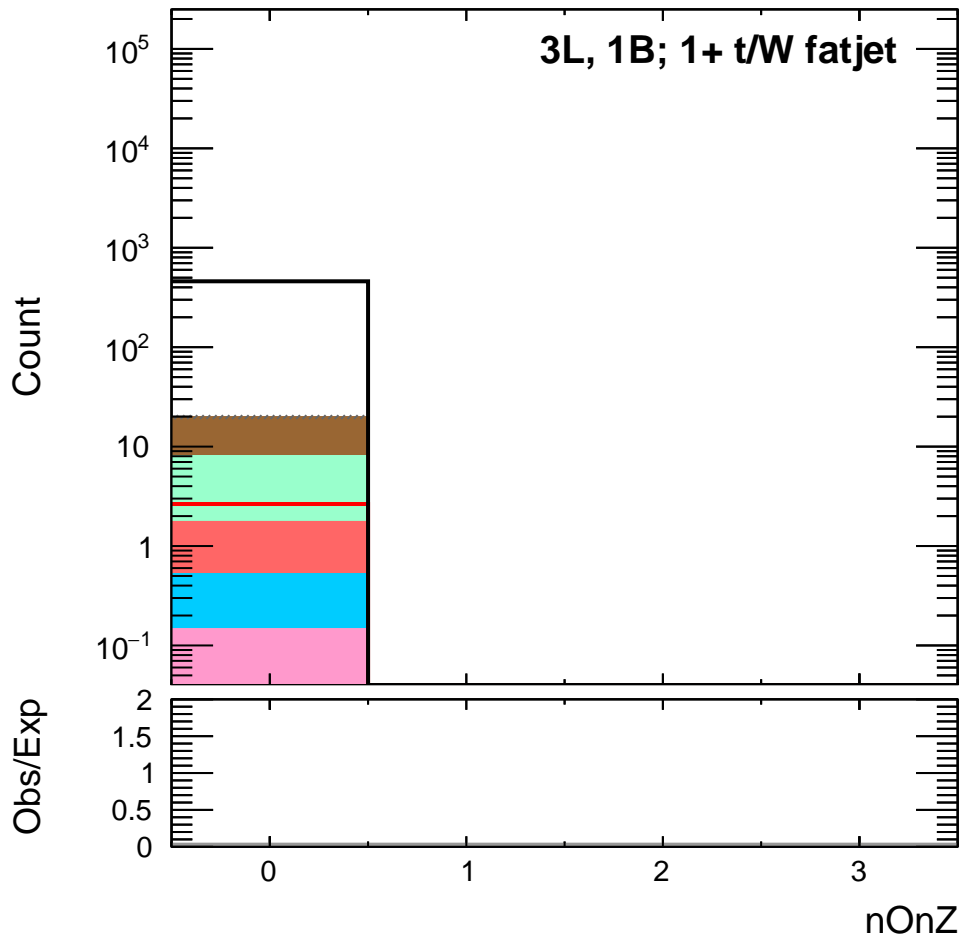
IsOSDF

TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiLionFilter=0 && LightLpton_N=0&LightLpton_N=2 && CustomJet_N > 1 && CustomBJet_N > 0 && nChZ=0 && (OSF_N = 0 || Event_BesMOSF[0]-M2High_) && (LooseTopFatJet_N > 0 || LooseWFatJet_N > 0)



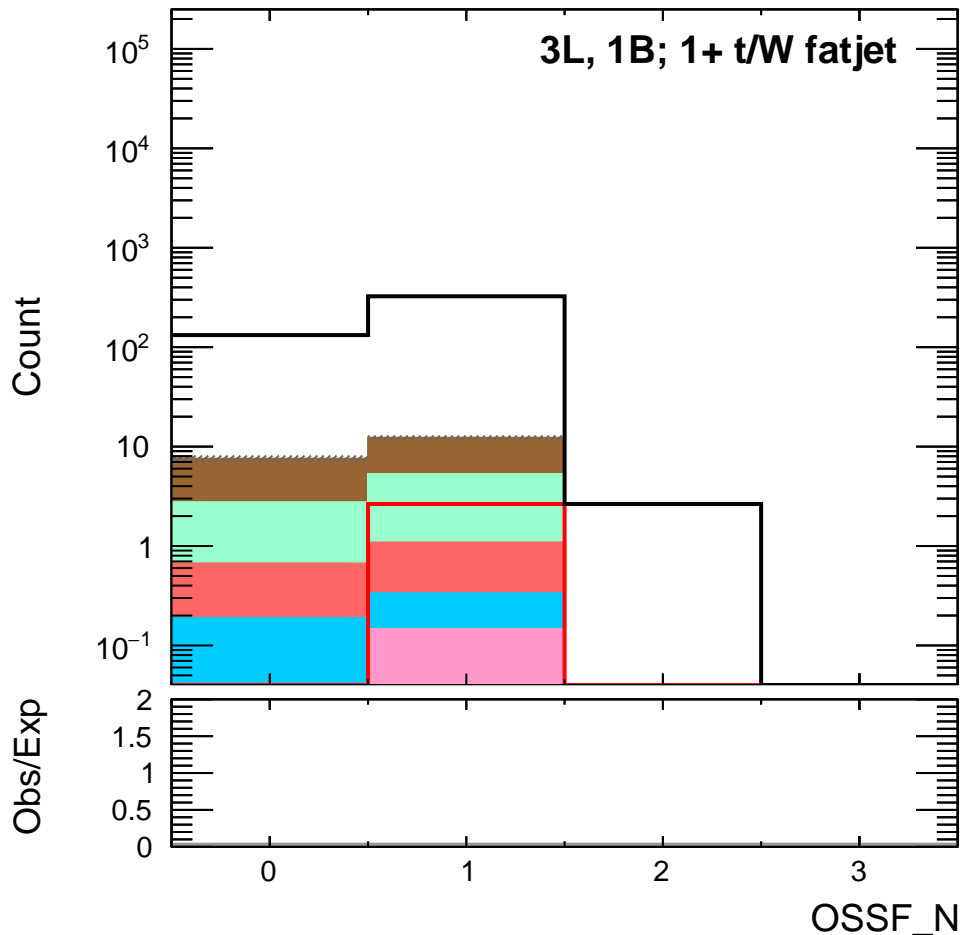
Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



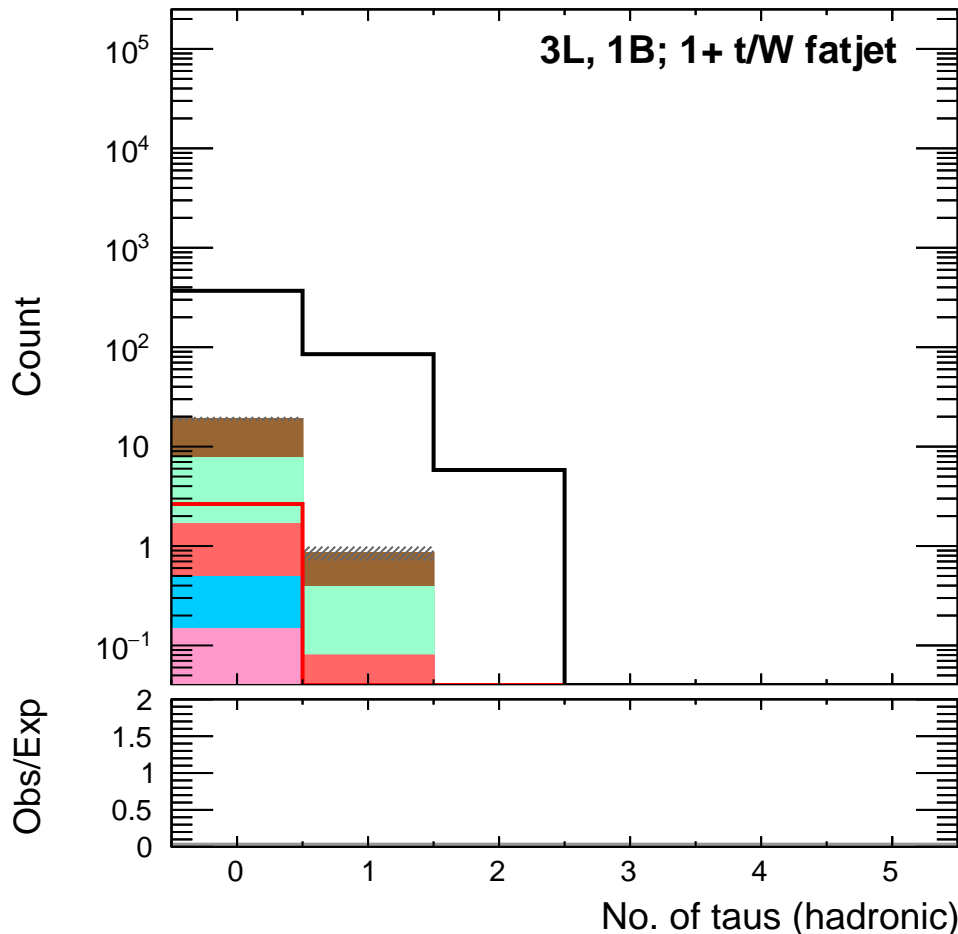
Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



Obs/Exp: 0.00 Exp: 1.983e+01

TT [1.179e+01]

TTW [6.294e+00]

ST [1.225e+00]

TTZ [3.751e-01]

ZZ [1.453e-01]

WW [0.000e+00]

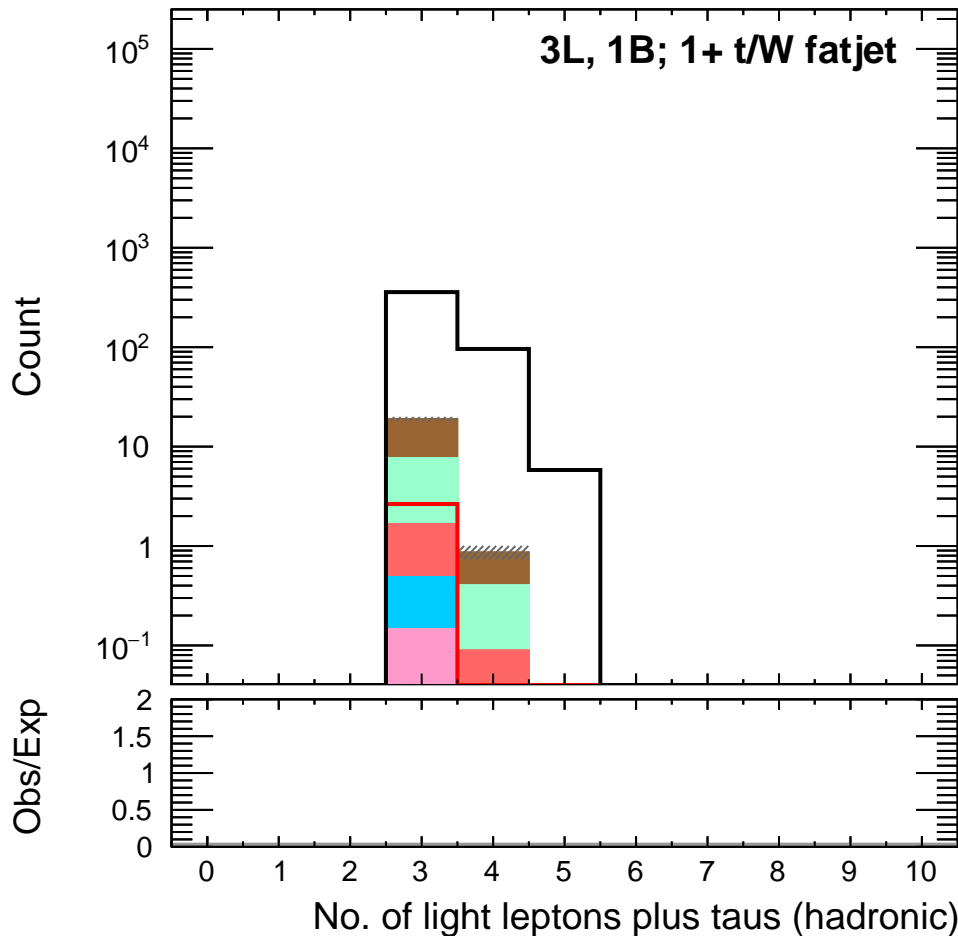
WZ [0.000e+00]

DY [0.000e+00]

Uncertainty

top tau b nu [2.647e+00]

top tau top tau [4.599e+02]



Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]

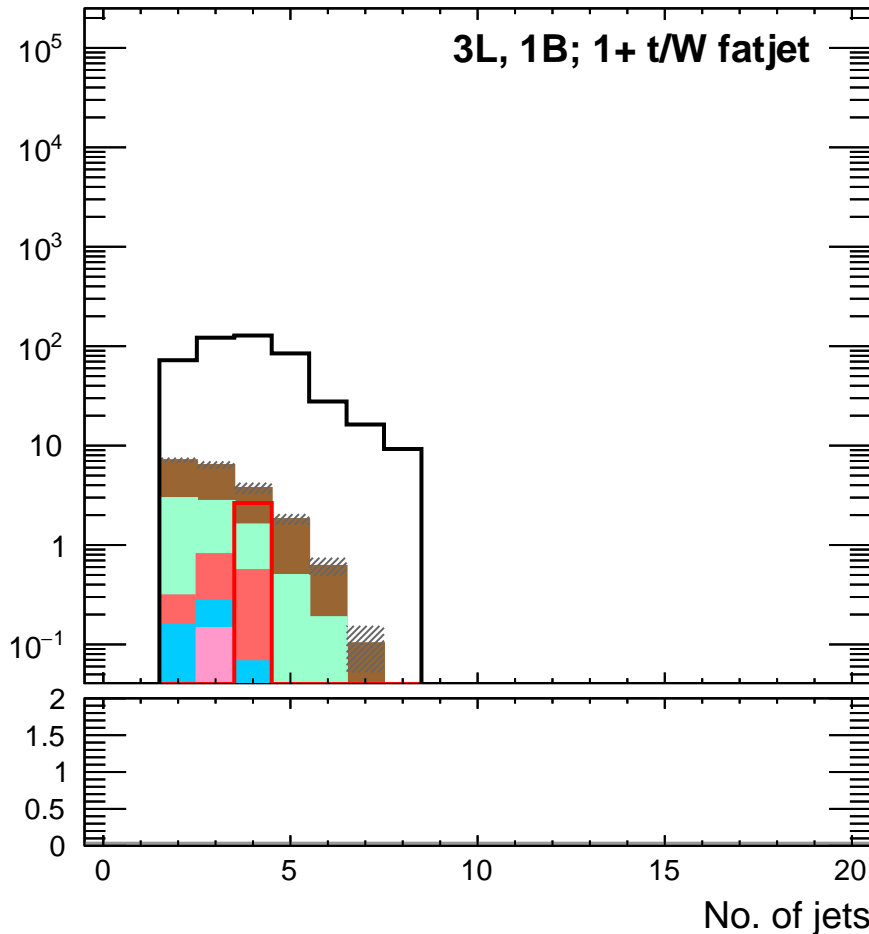
Count

Obs/Exp

3L, 1B; 1+ t/W fatjet

Obs/Exp: 0.00 Exp: 1.984e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.841e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]

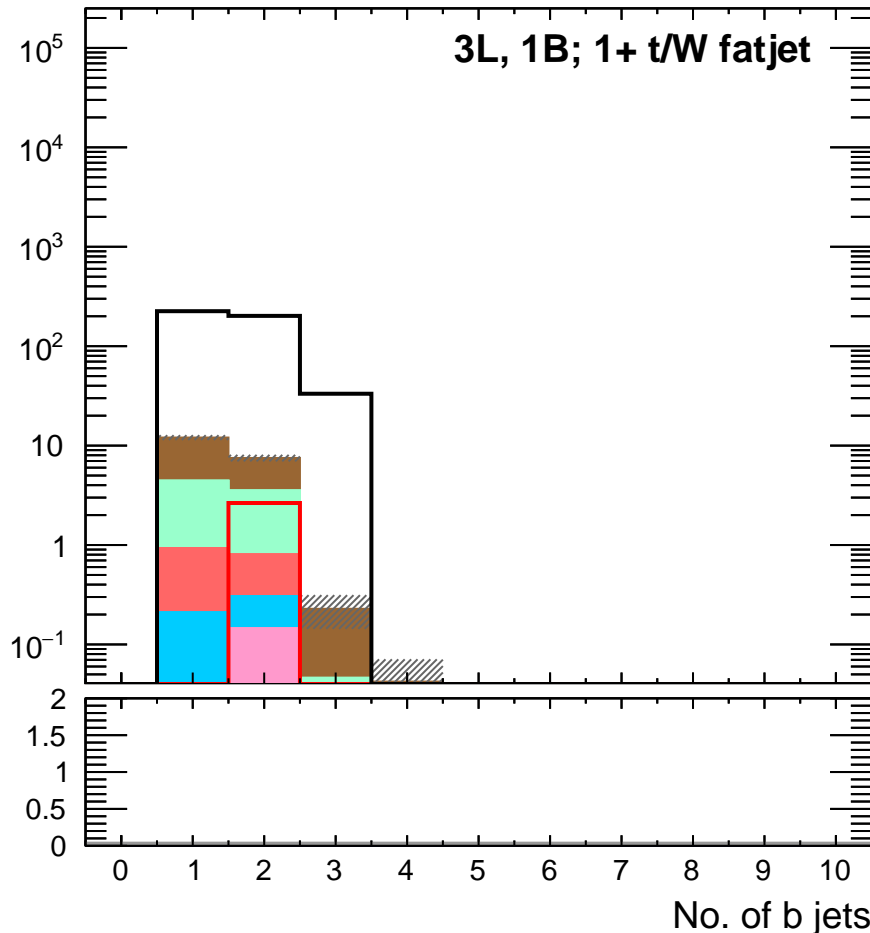


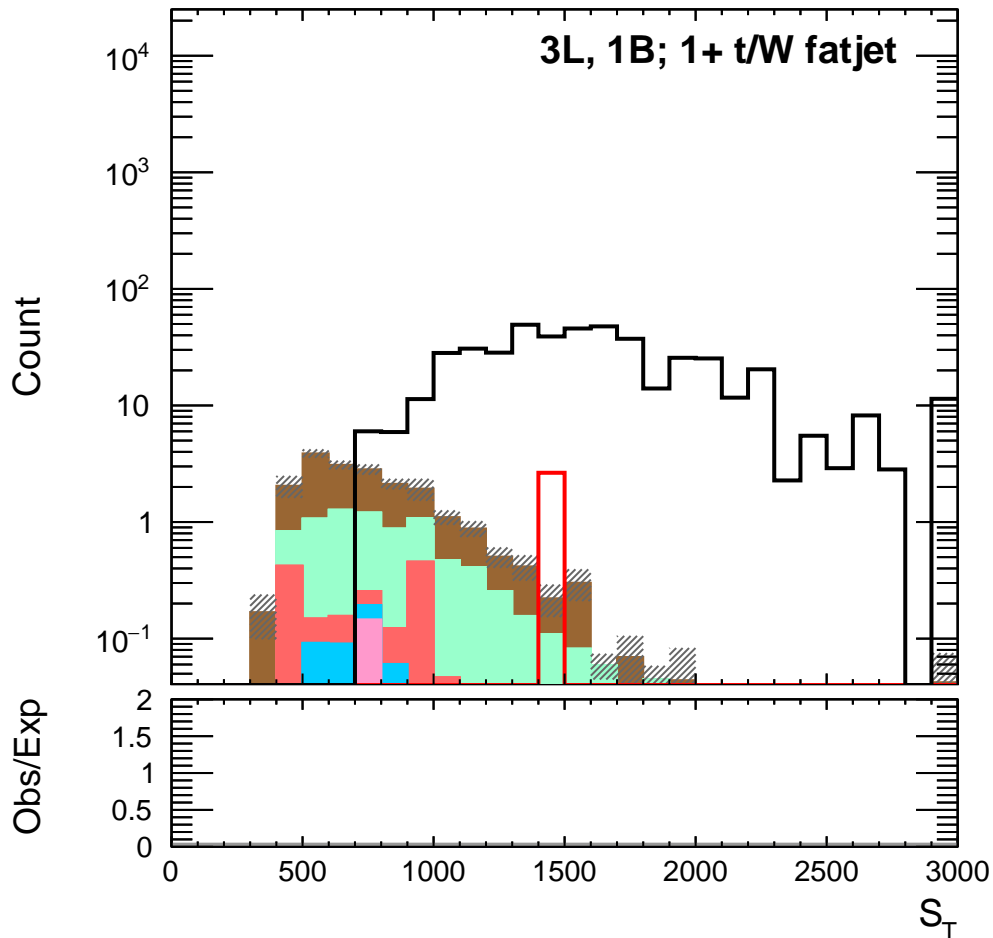
Count

Obs/Exp

3L, 1B; 1+ t/W fatjet

Obs/Exp: 0.00 Exp: 1.984e+01





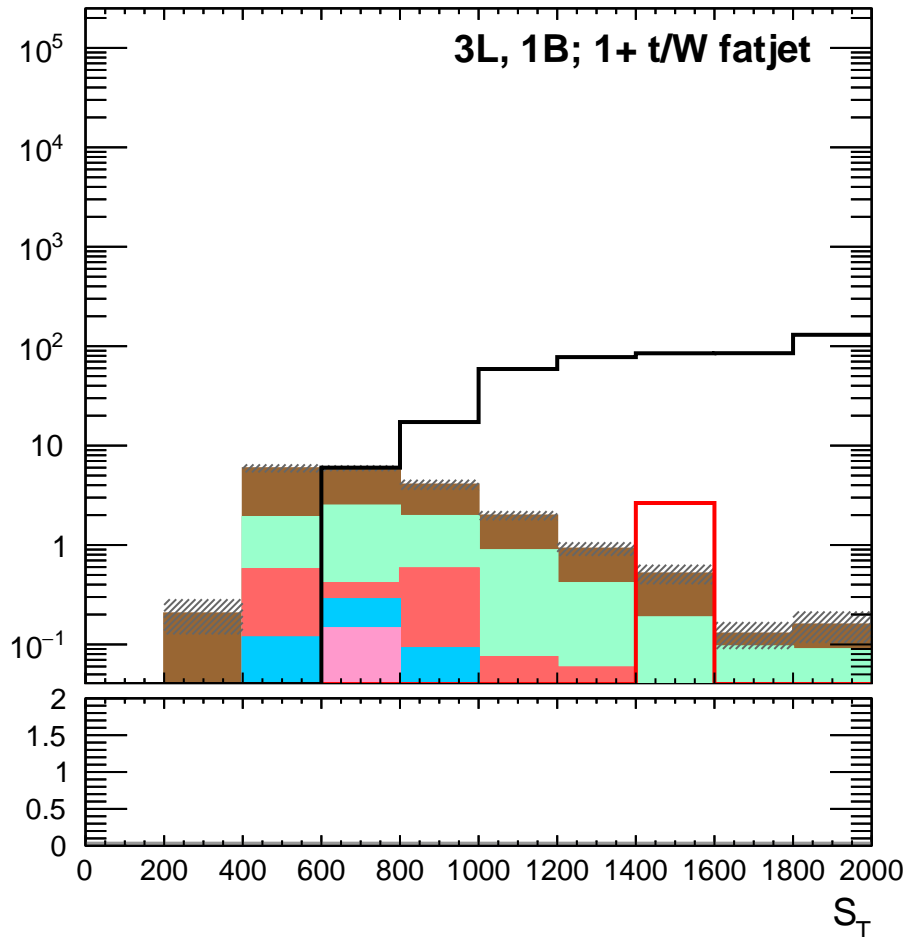
Obs/Exp: 0.00 Exp: 1.986e+01

- TT [1.179e+01]
- TTW [6.305e+00]
- ST [1.225e+00]
- TTZ [3.857e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]

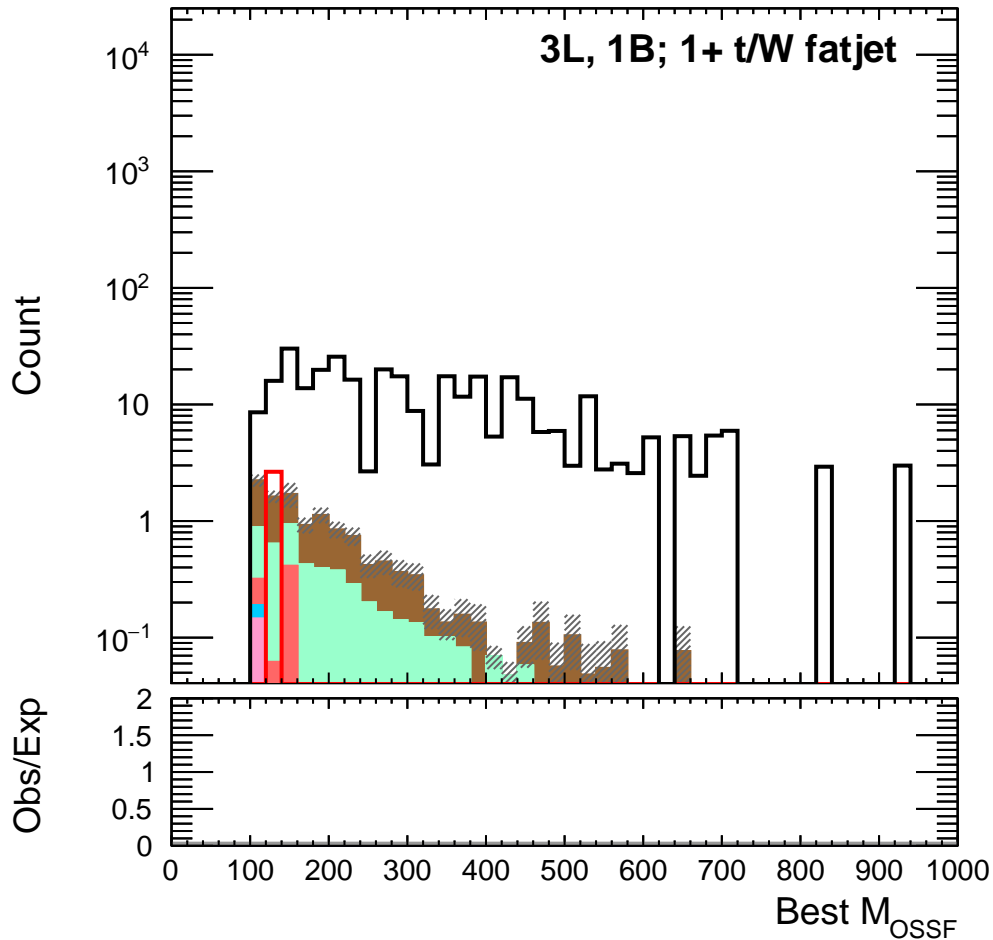
Count

Obs/Exp

3L, 1B; 1+ t/W fatjet



TrigAccp=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiLionFilter=0 && LightLpton_N=0&M.LightLpton_N=2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ=0 && (OSF_N = 0 || Event_BestMOSSF[0]-M2High_) && (LooseTopFatJet_N > 0 || LooseWFatJet_N > 0)



Obs/Exp: 0.00 Exp: 1.228e+01

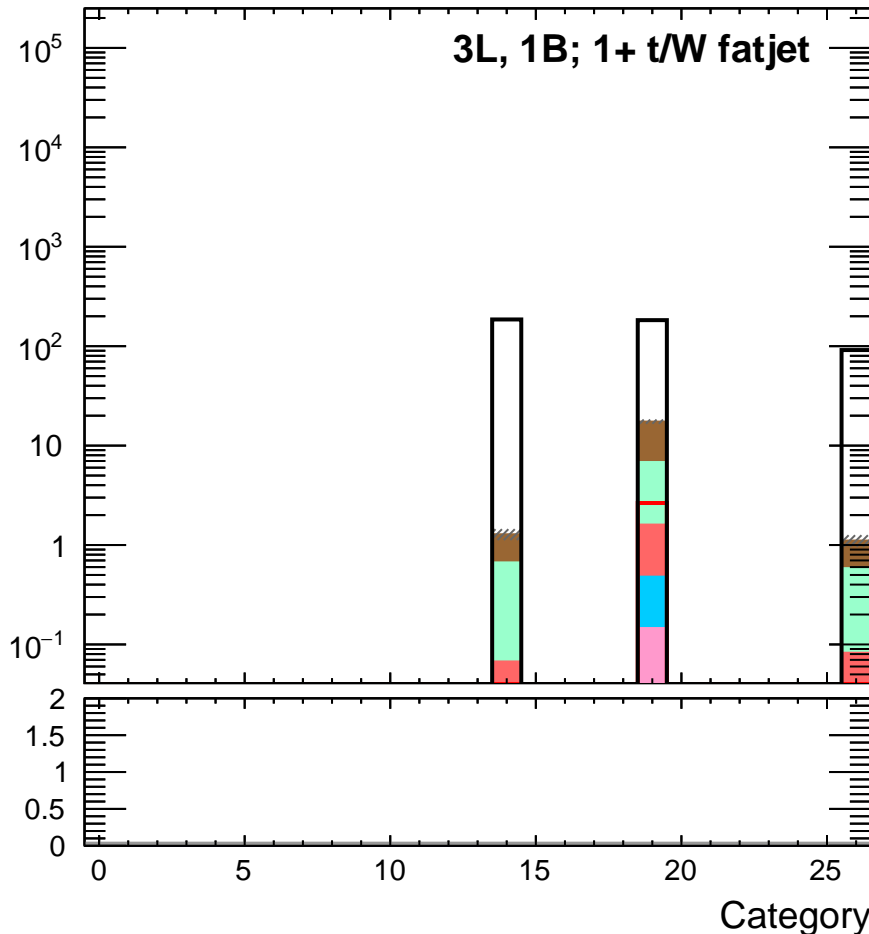
- TT [6.968e+00]
- TTW [4.229e+00]
- ST [7.501e-01]
- TTZ [1.918e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [3.275e+02]

Count

3L, 1B; 1+ t/W fatjet

Obs/Exp

Obs/Exp: 0.00 Exp: 1.983e+01



Category

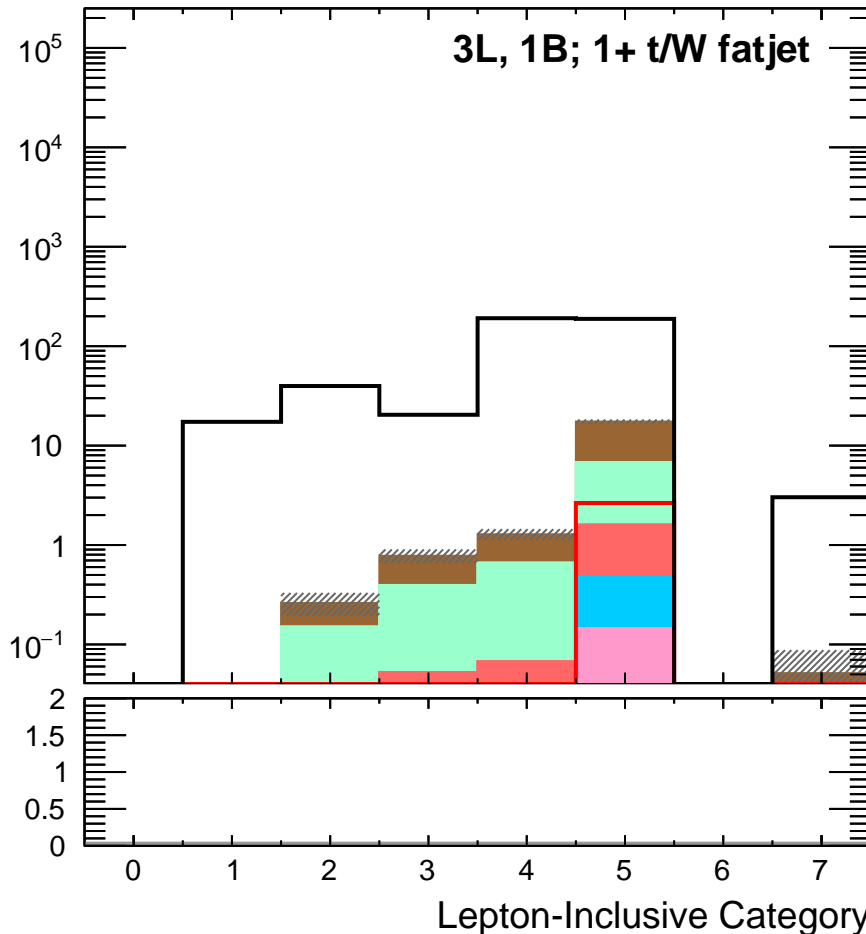
Count

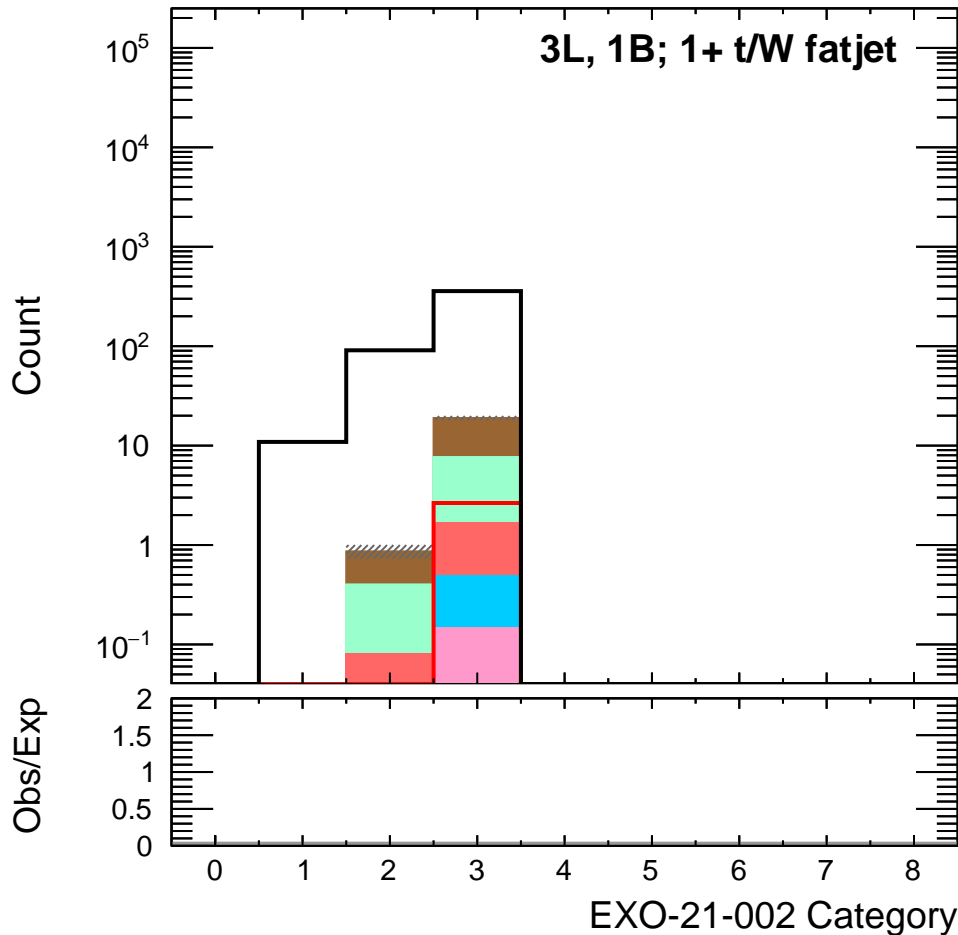
Obs/Exp

3L, 1B; 1+ t/W fatjet

Obs/Exp: 0.00 Exp: 1.984e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.803e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]





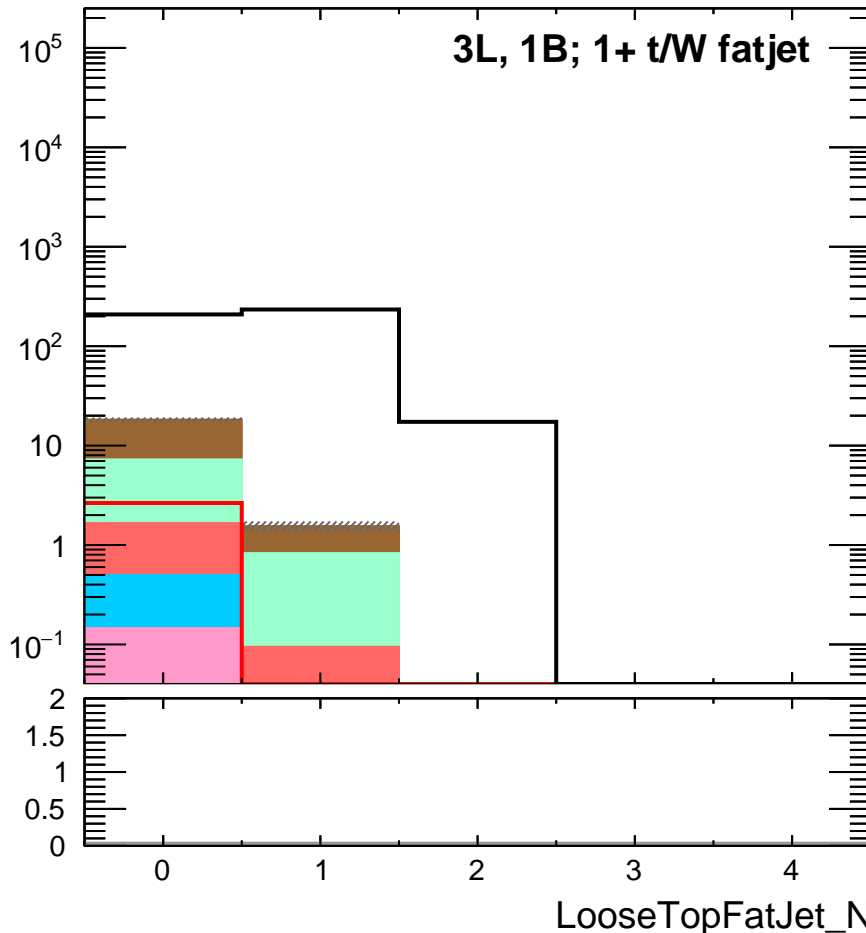
Obs/Exp: 0.00 Exp: 1.983e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]

Count

Obs/Exp

3L, 1B; 1+ t/W fatjet



Obs/Exp: 0.00 Exp: 1.983×10^1

- TT [1.179×10^1]
- TTW [6.294×10^0]
- ST [1.225×10^0]
- TTZ [3.751×10^{-1}]
- ZZ [1.453×10^{-1}]
- WW [0.000×10^0]
- WZ [0.000×10^0]
- DY [0.000×10^0]
- Uncertainty
- top tau b nu [2.647×10^0]
- top tau top tau [4.599×10^2]

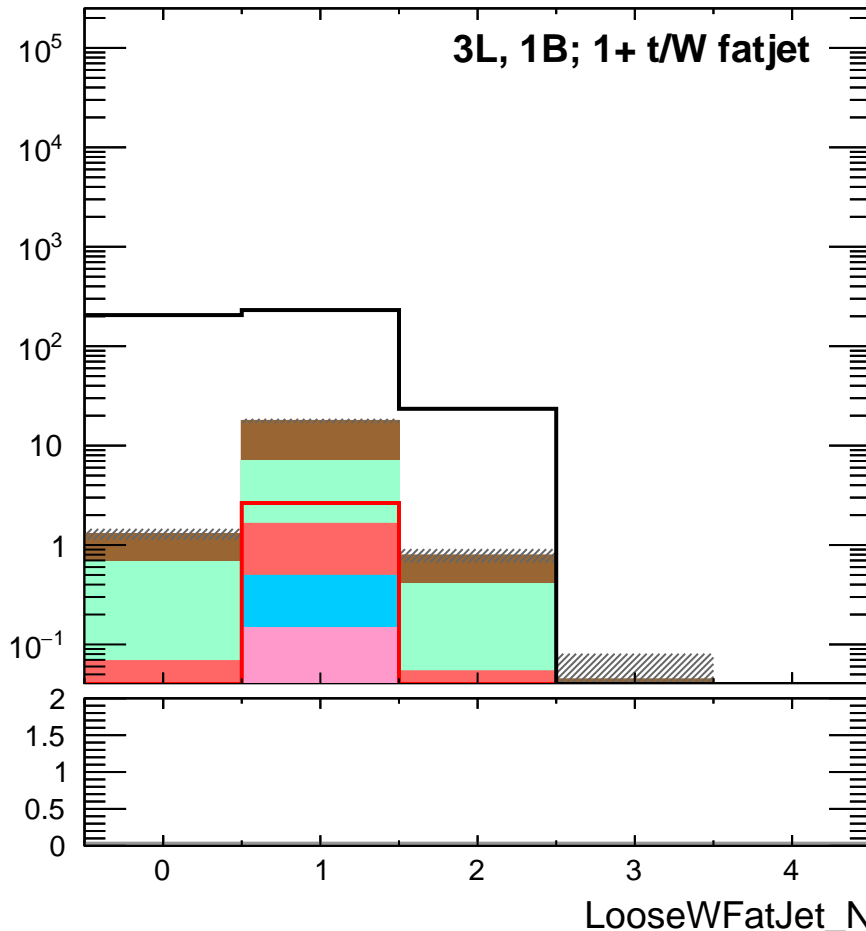
Count

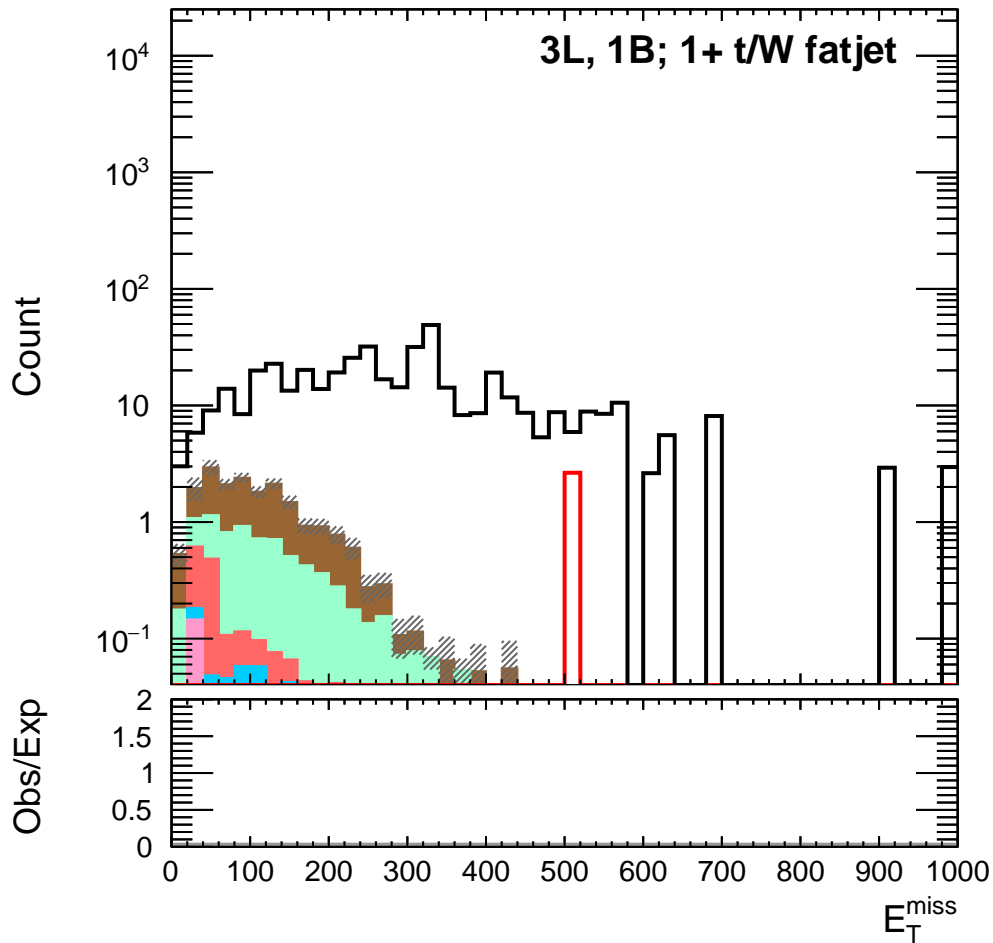
Obs/Exp

3L, 1B; 1+ t/W fatjet

Obs/Exp: 0.00 Exp: 1.984e+01

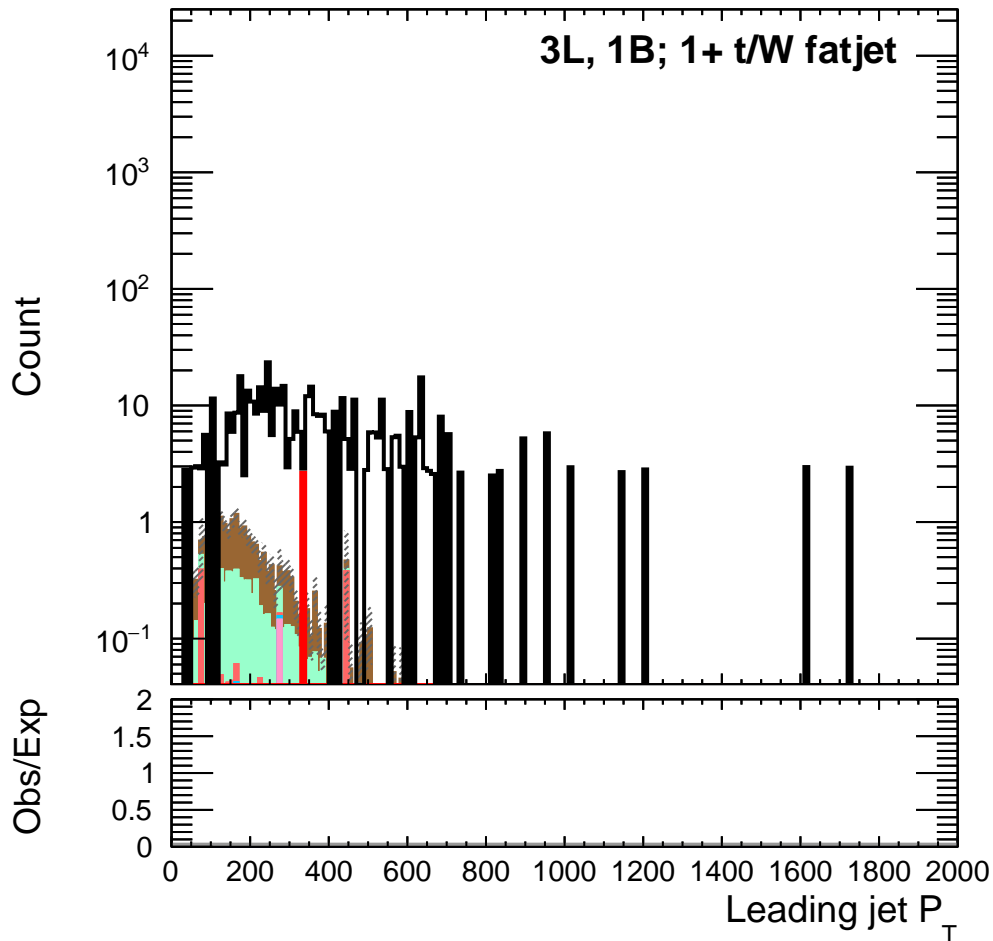
- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.803e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]





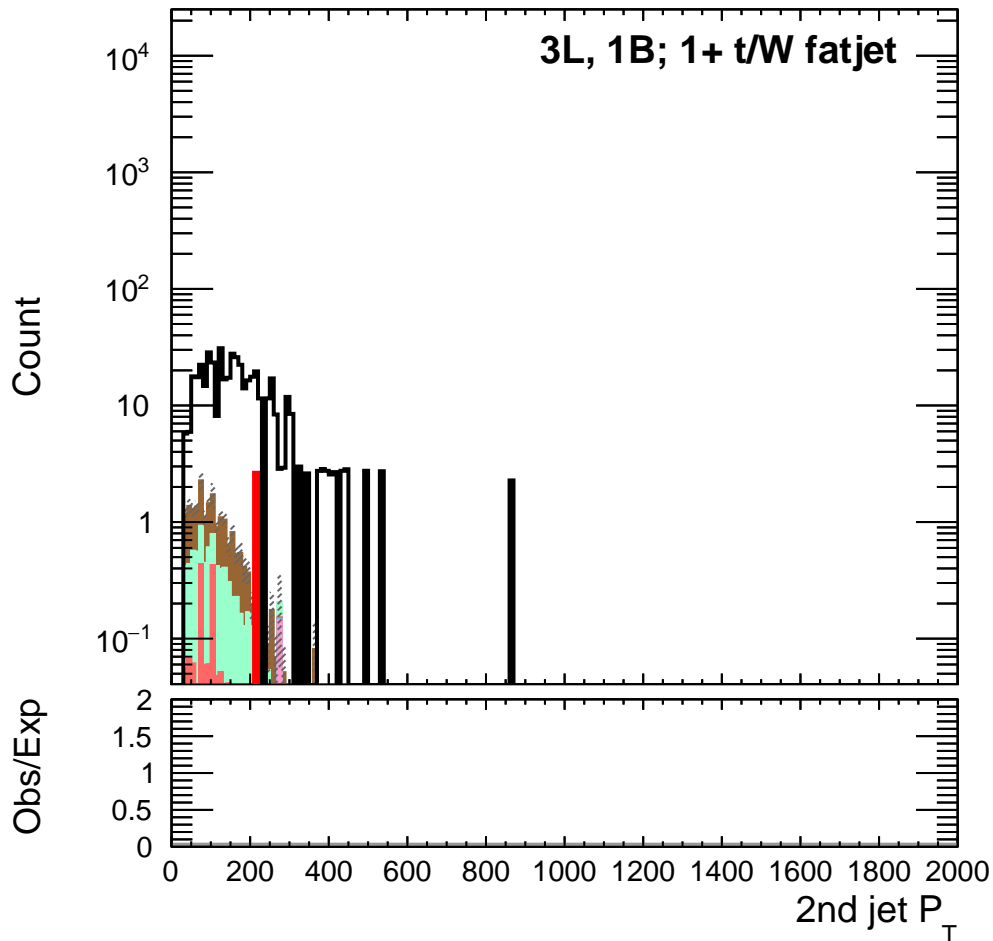
Obs/Exp: 0.00 Exp: 1.985e+01

- TT [1.179e+01]
- TTW [6.302e+00]
- ST [1.225e+00]
- TTZ [3.860e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



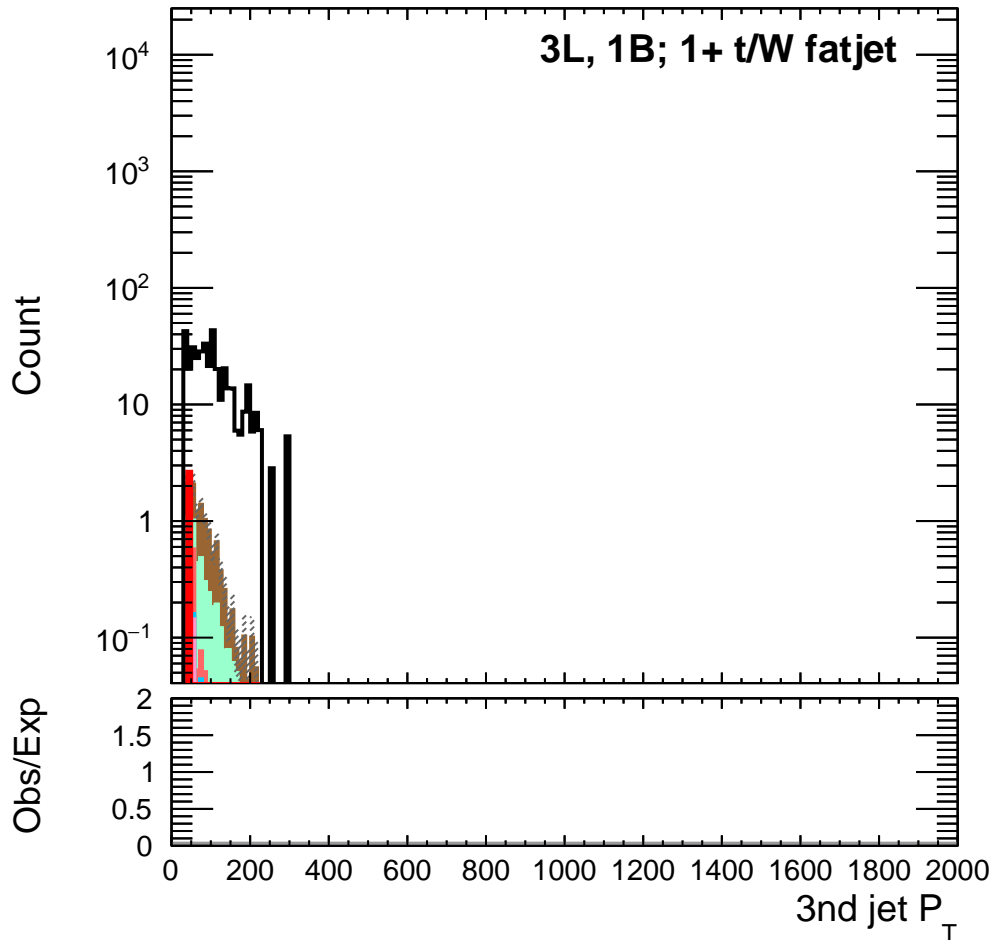
Obs/Exp: 0.00 Exp: 1.990e+01

- TT [1.179e+01]
- TTW [6.331e+00]
- ST [1.225e+00]
- TTZ [4.056e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



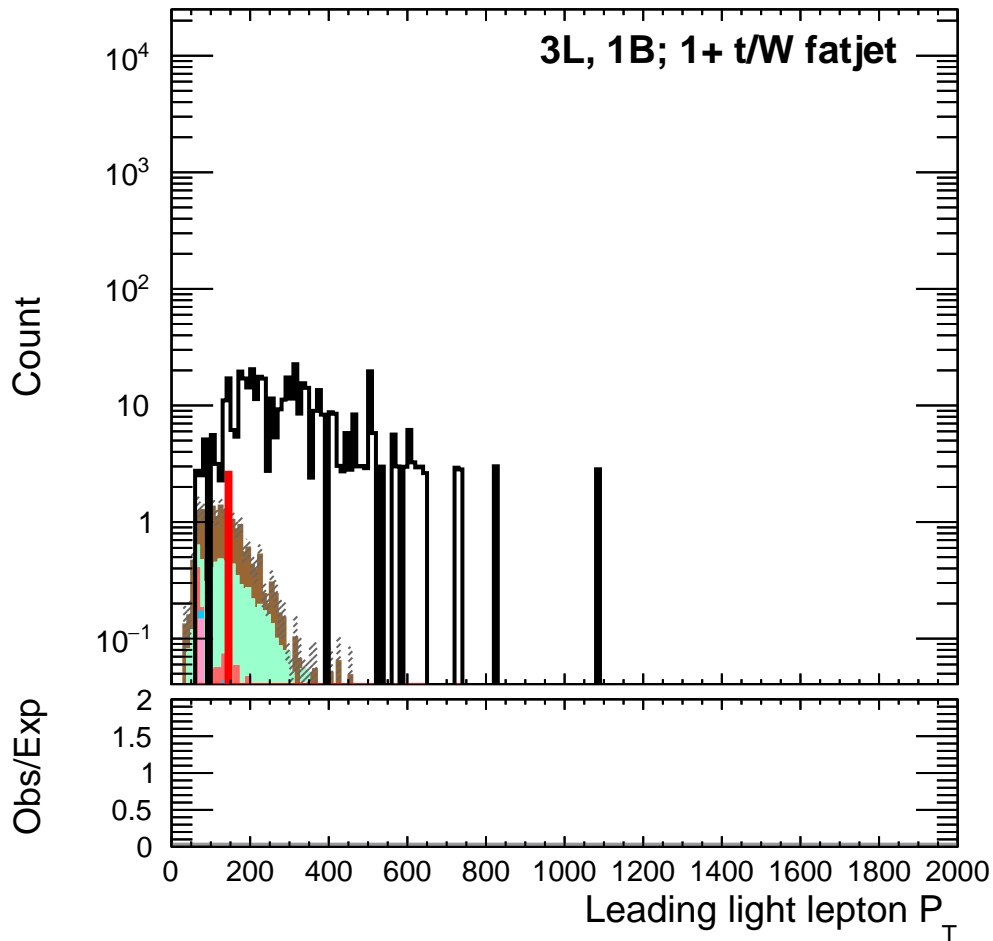
Obs/Exp: 0.00 Exp: 1.985e+01

- TT [1.179e+01]
- TTW [6.310e+00]
- ST [1.225e+00]
- TTZ [3.751e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



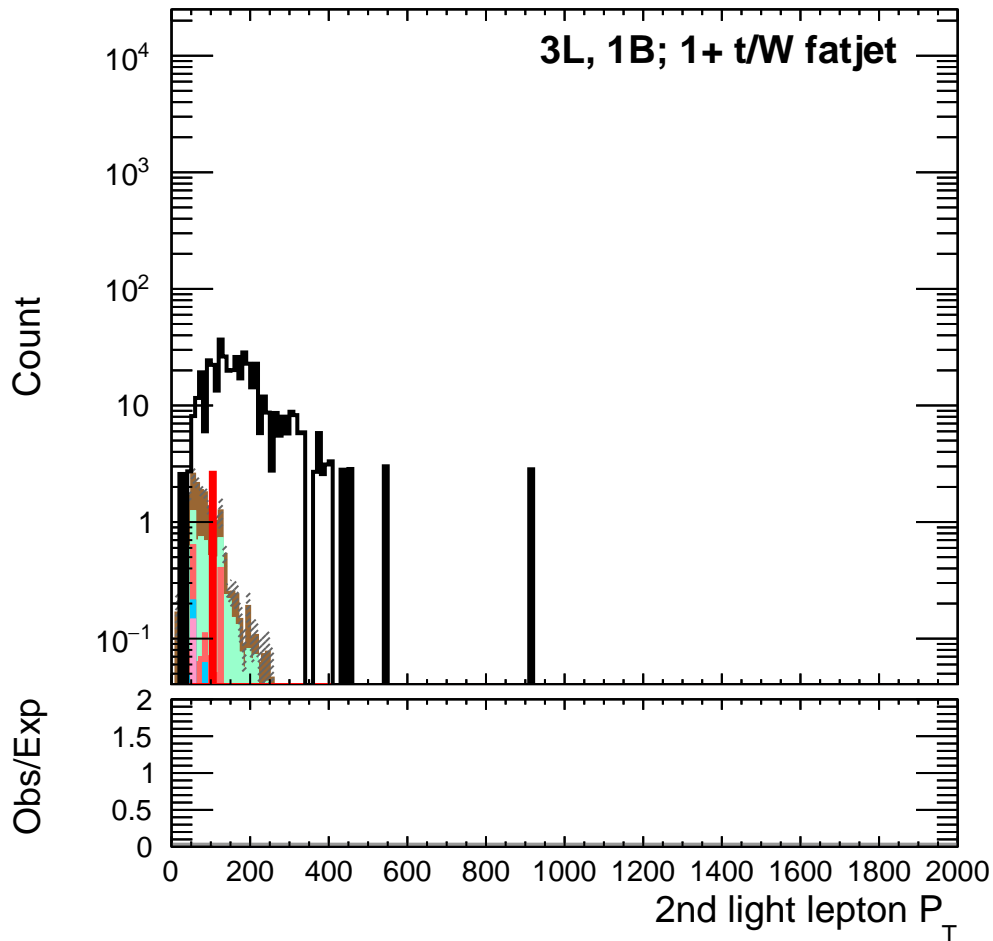
Obs/Exp: 0.00 Exp: 1.270e+01

- TT [7.591e+00]
- TTW [3.664e+00]
- ST [1.071e+00]
- TTZ [2.304e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [3.876e+02]



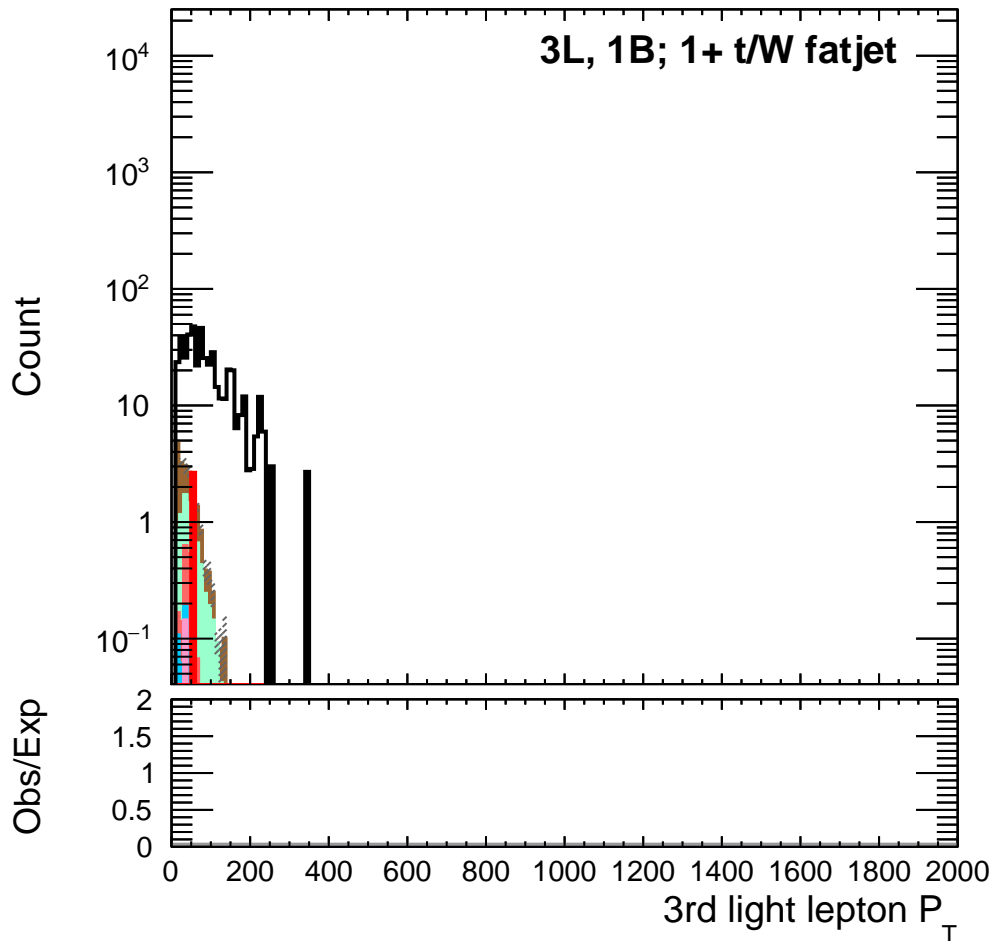
Obs/Exp: 0.00 Exp: 1.988e+01

- TT [1.179e+01]
- TTW [6.315e+00]
- ST [1.225e+00]
- TTZ [3.976e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



Obs/Exp: 0.00 Exp: 1.986e+01

- TT [1.179e+01]
- TTW [6.301e+00]
- ST [1.225e+00]
- TTZ [3.936e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]



Obs/Exp: 0.00 Exp: 1.984e+01

- TT [1.179e+01]
- TTW [6.294e+00]
- ST [1.225e+00]
- TTZ [3.812e-01]
- ZZ [1.453e-01]
- WW [0.000e+00]
- WZ [0.000e+00]
- DY [0.000e+00]
- Uncertainty
- top tau b nu [2.647e+00]
- top tau top tau [4.599e+02]