

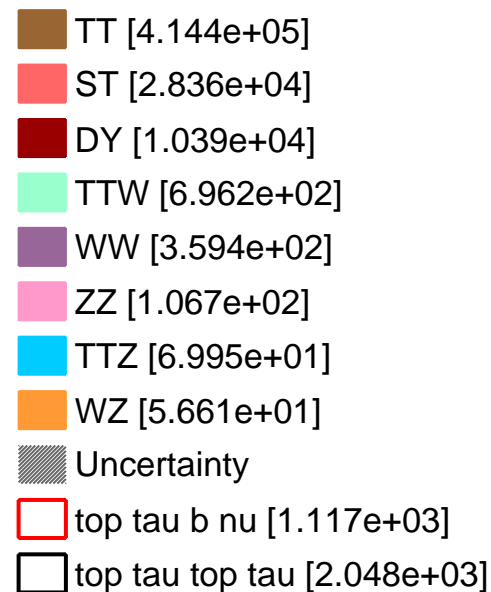
TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]==MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

Count

2L, 1B; 0 t/W fatjet

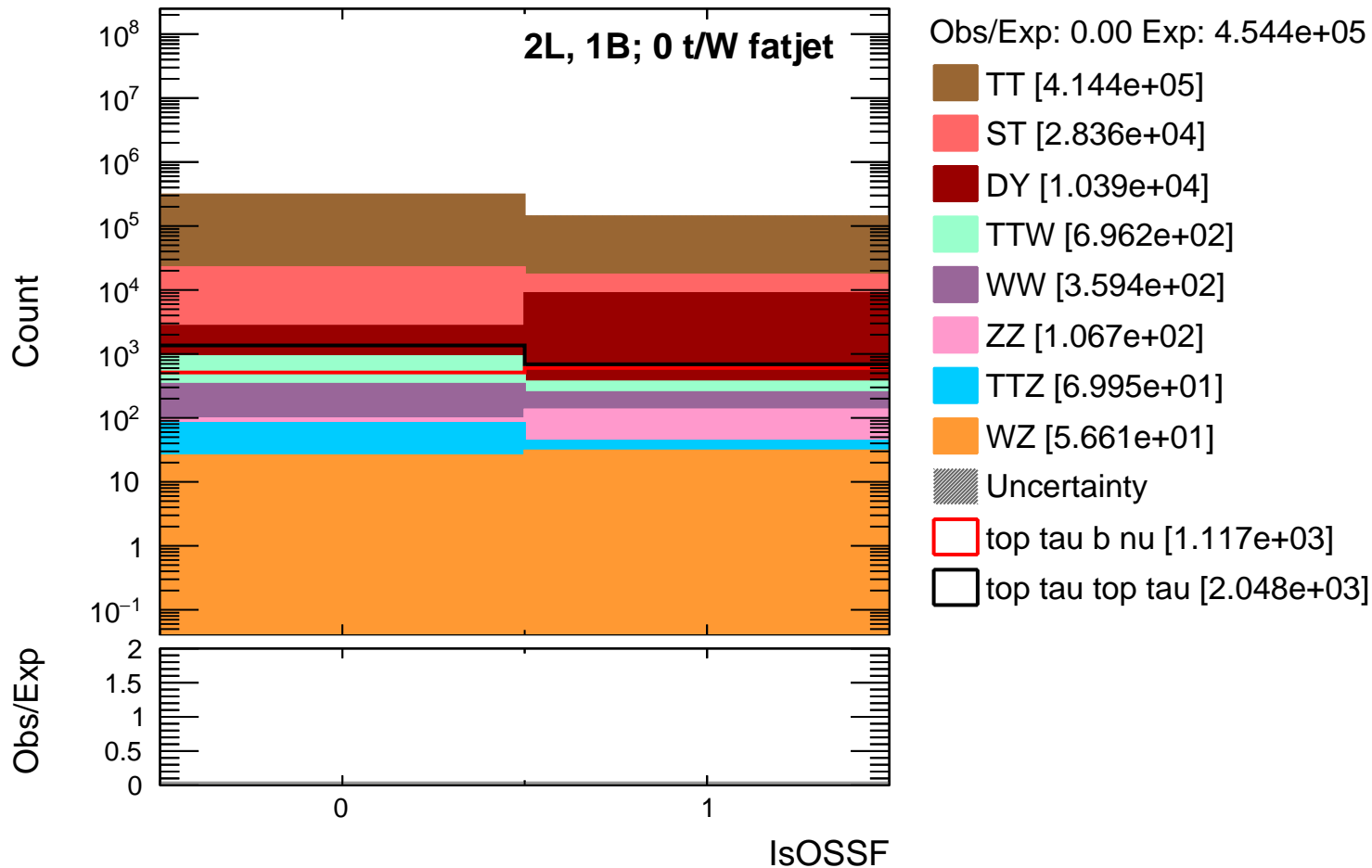
Obs/Exp

Obs/Exp: 0.00 Exp: 4.544e+05



No. of light leptons

TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t0]=M2high_..._j5&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0))



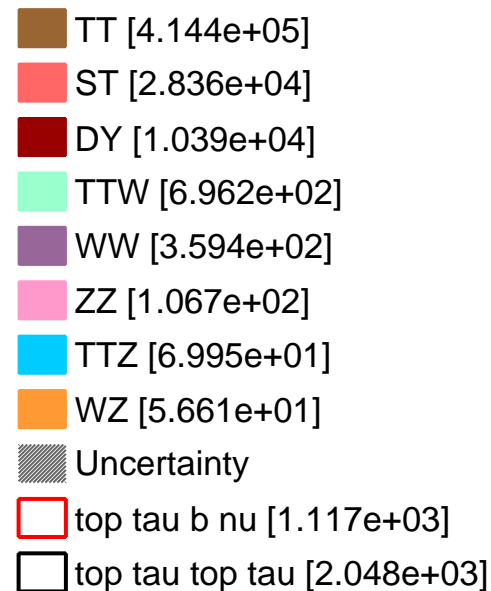
TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t]-M2high_...)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

Count

Obs/Exp

2L, 1B; 0 t/W fatjet

Obs/Exp: 0.00 Exp: 4.544e+05

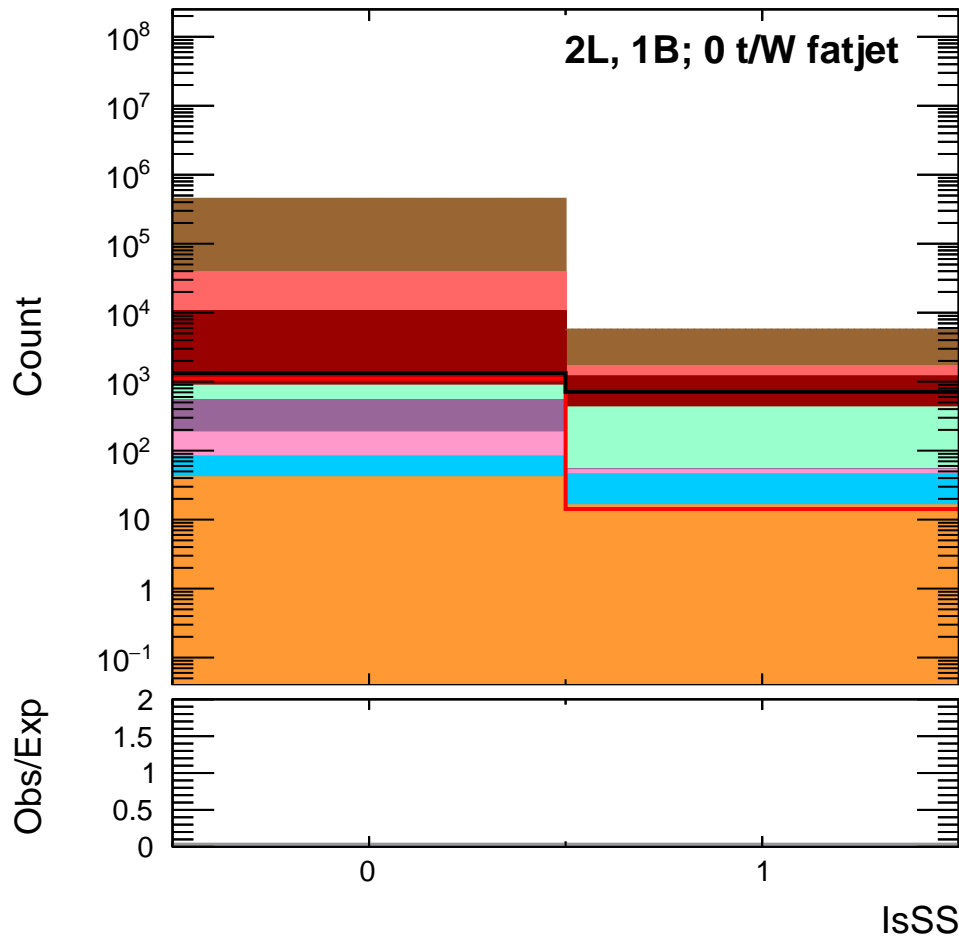


0

1

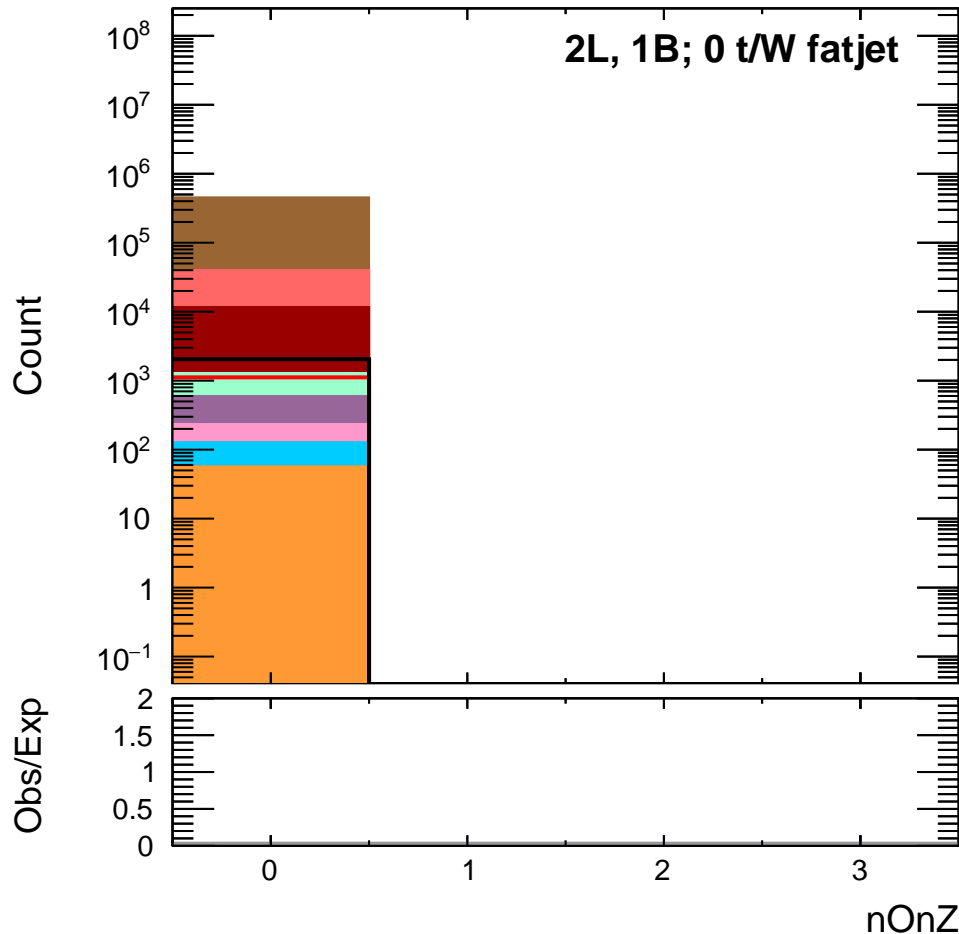
IsOSDF

TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t0]-M2high_..._j5&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0))

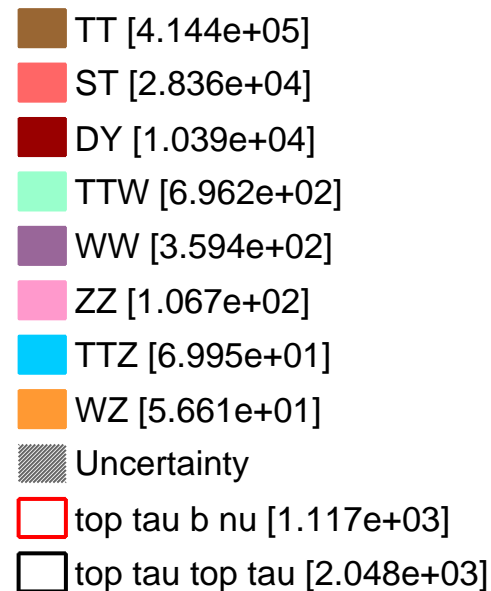


Obs/Exp: 0.00 Exp: 4.544e+05

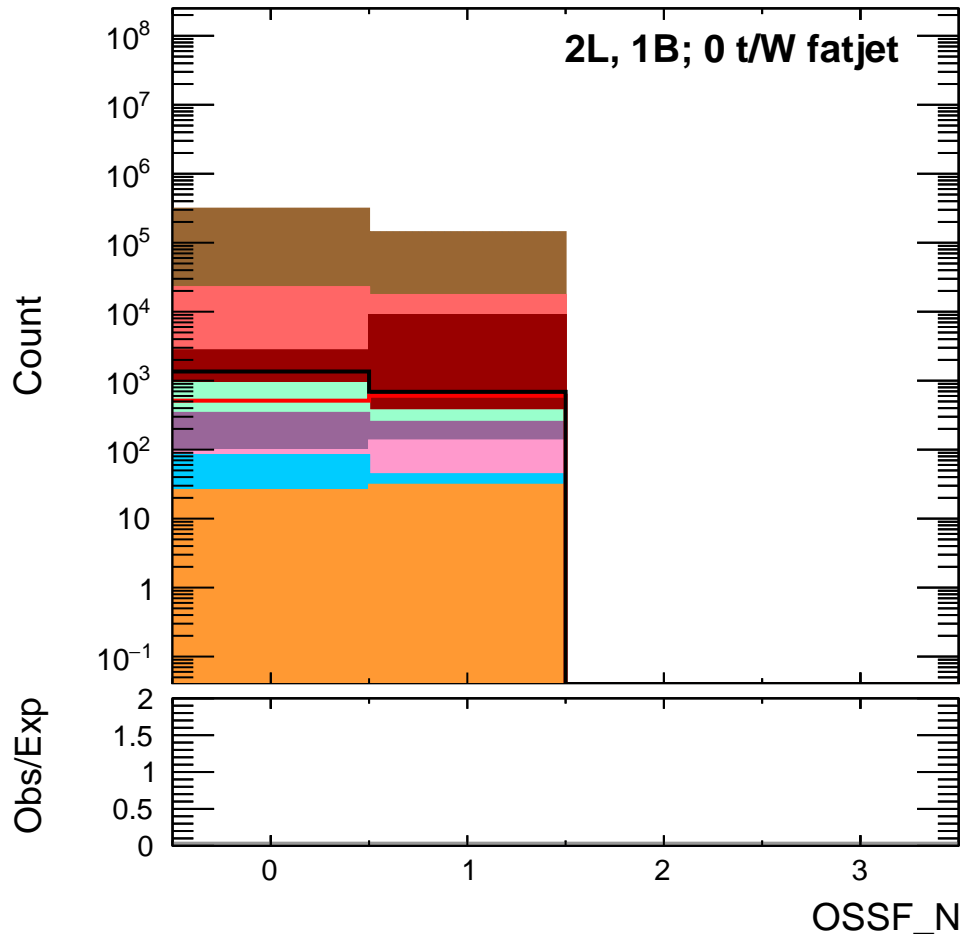
- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]



Obs/Exp: 0.00 Exp: 4.544e+05

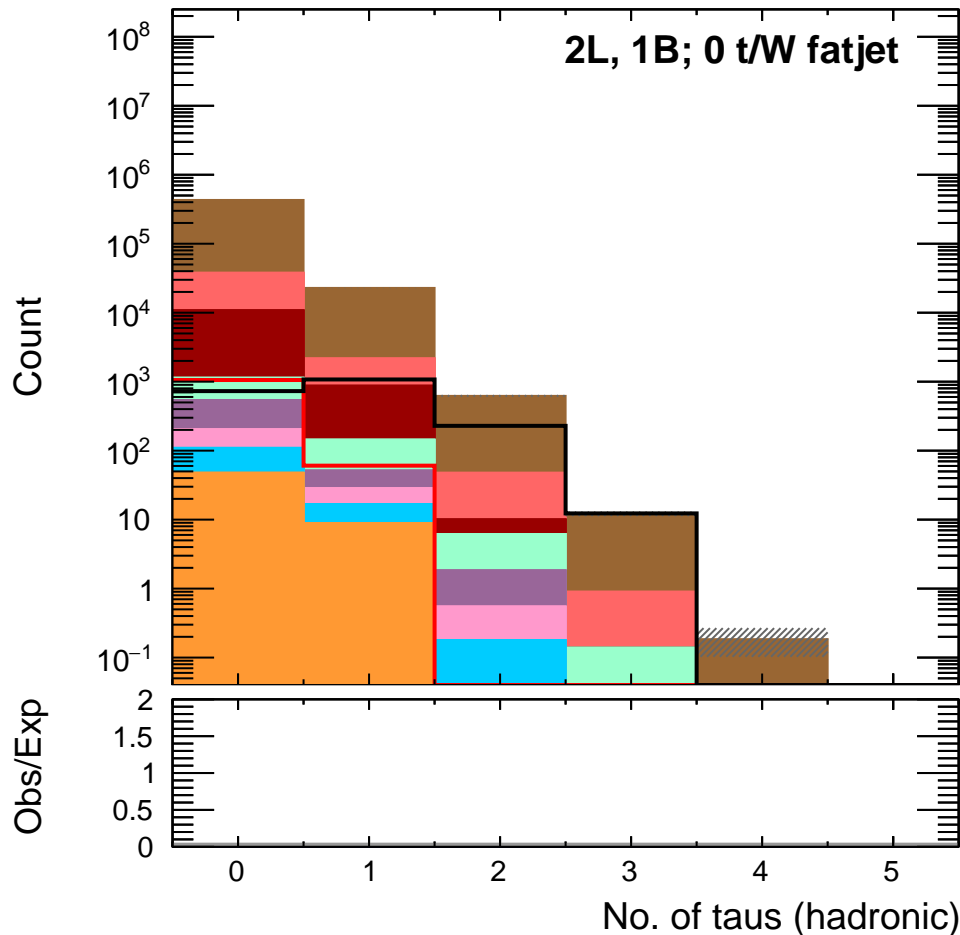


TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (OSSF_N == 0 || Event_BestMOSSF[t0]=MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)



Obs/Exp: 0.00 Exp: 4.544e+05

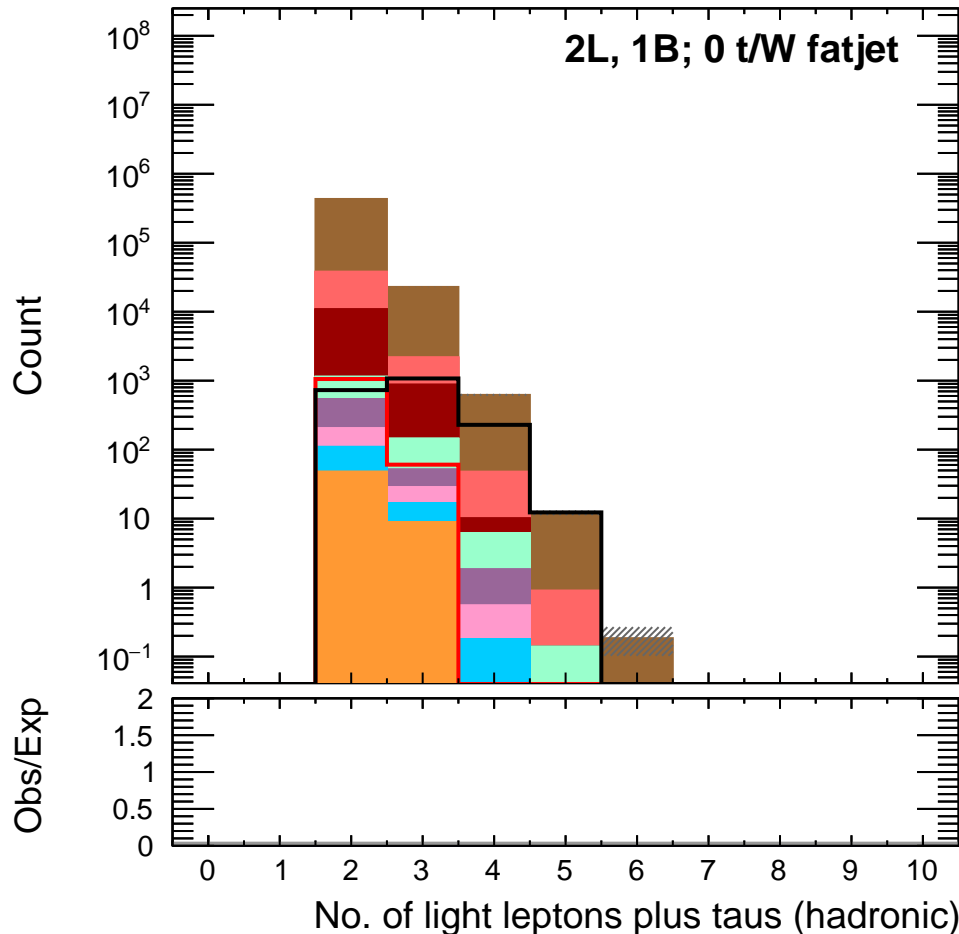
- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]



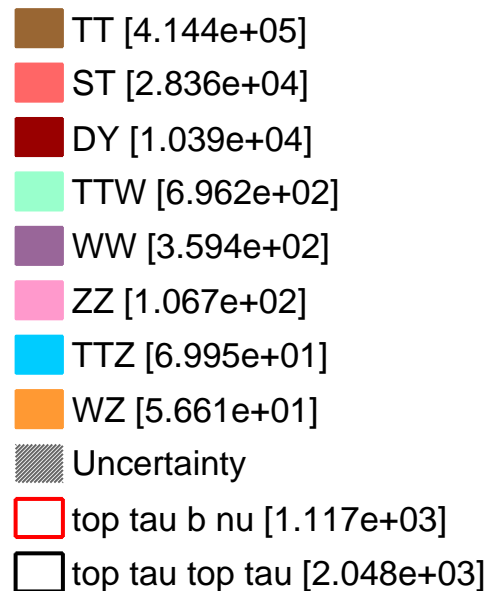
Obs/Exp: 0.00 Exp: 4.544e+05

- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]

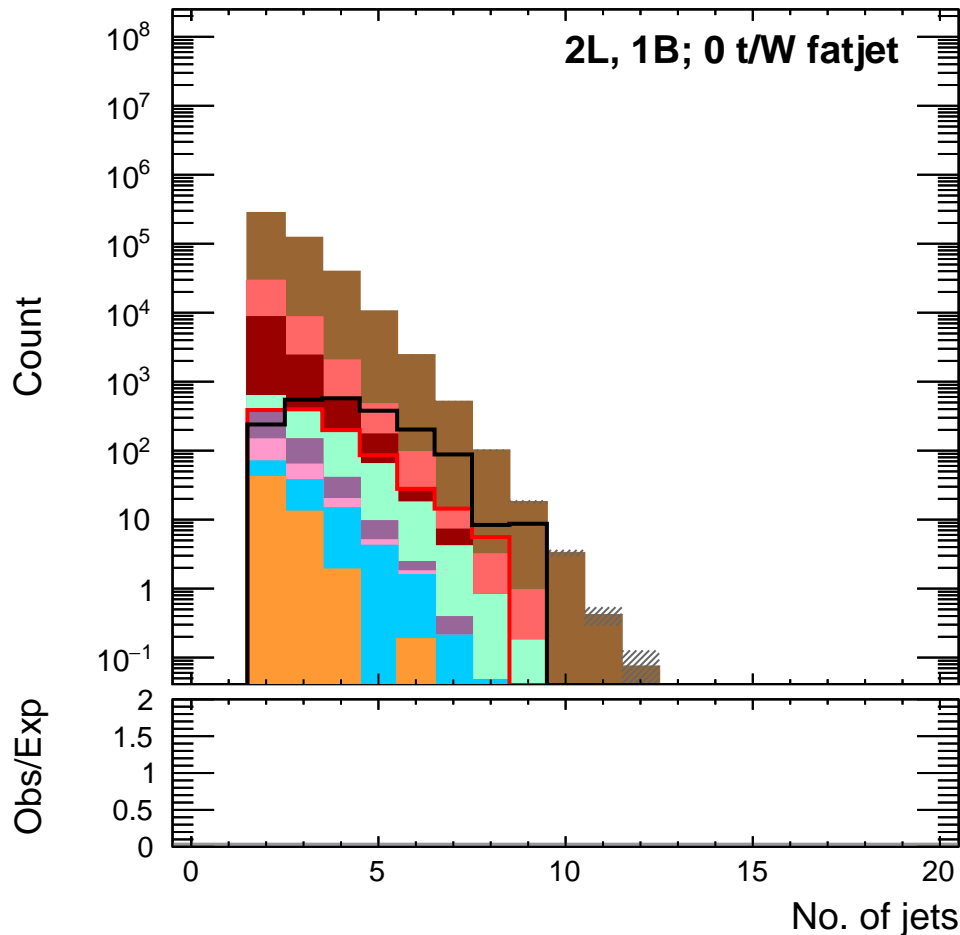
TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJsfilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]>MZhig_h)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)



Obs/Exp: 0.00 Exp: 4.544e+05



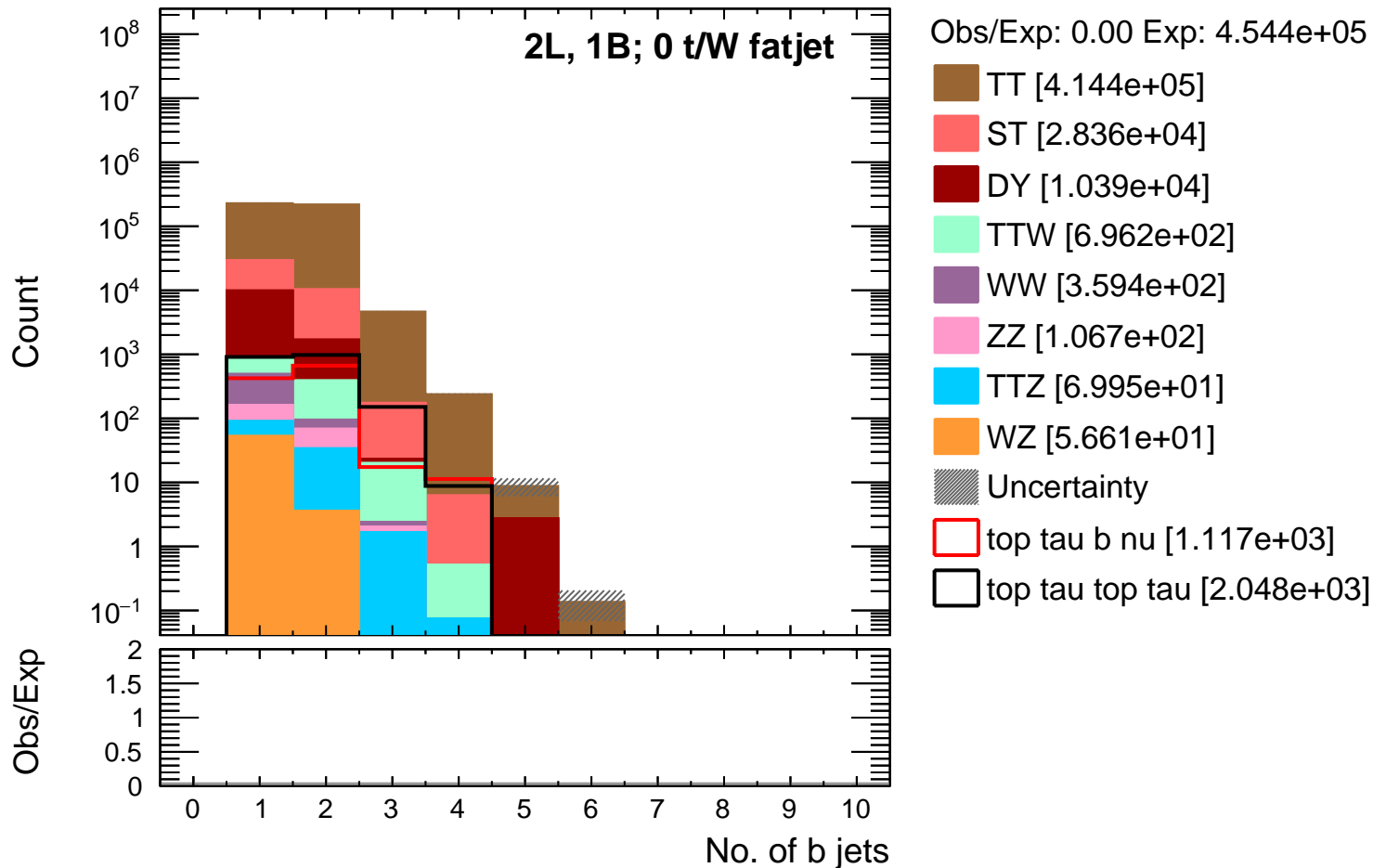
TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJorFilter=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]>MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

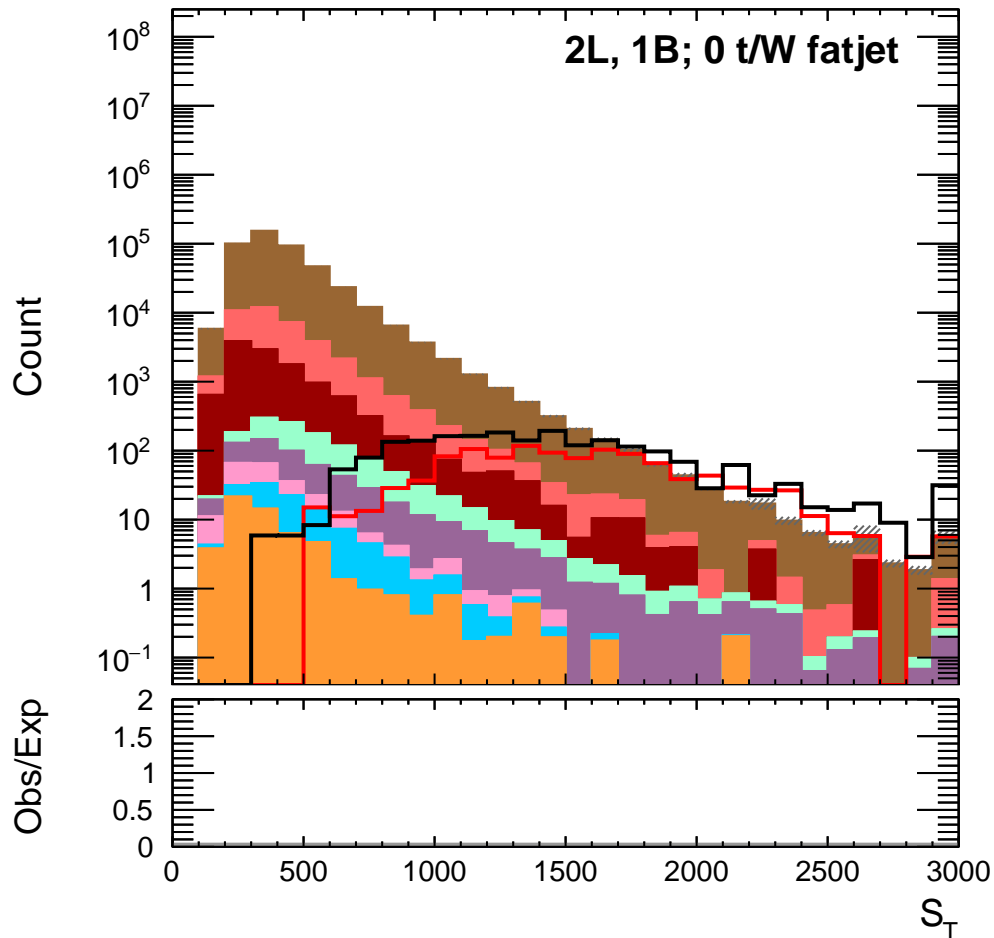


Obs/Exp: 0.00 Exp: 4.544e+05

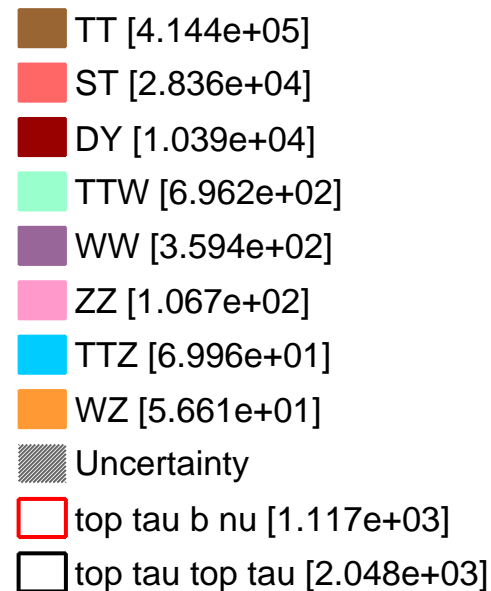
- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]

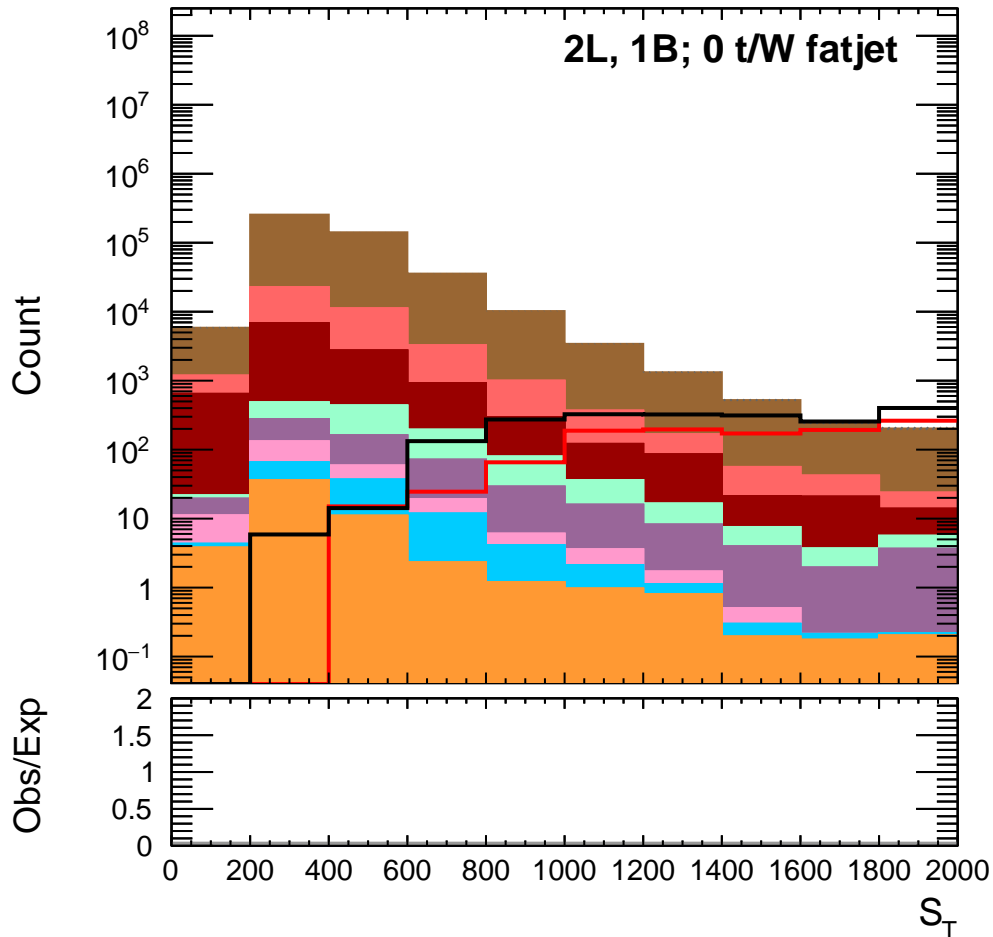
TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJorFilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSST[0]==M2high_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)





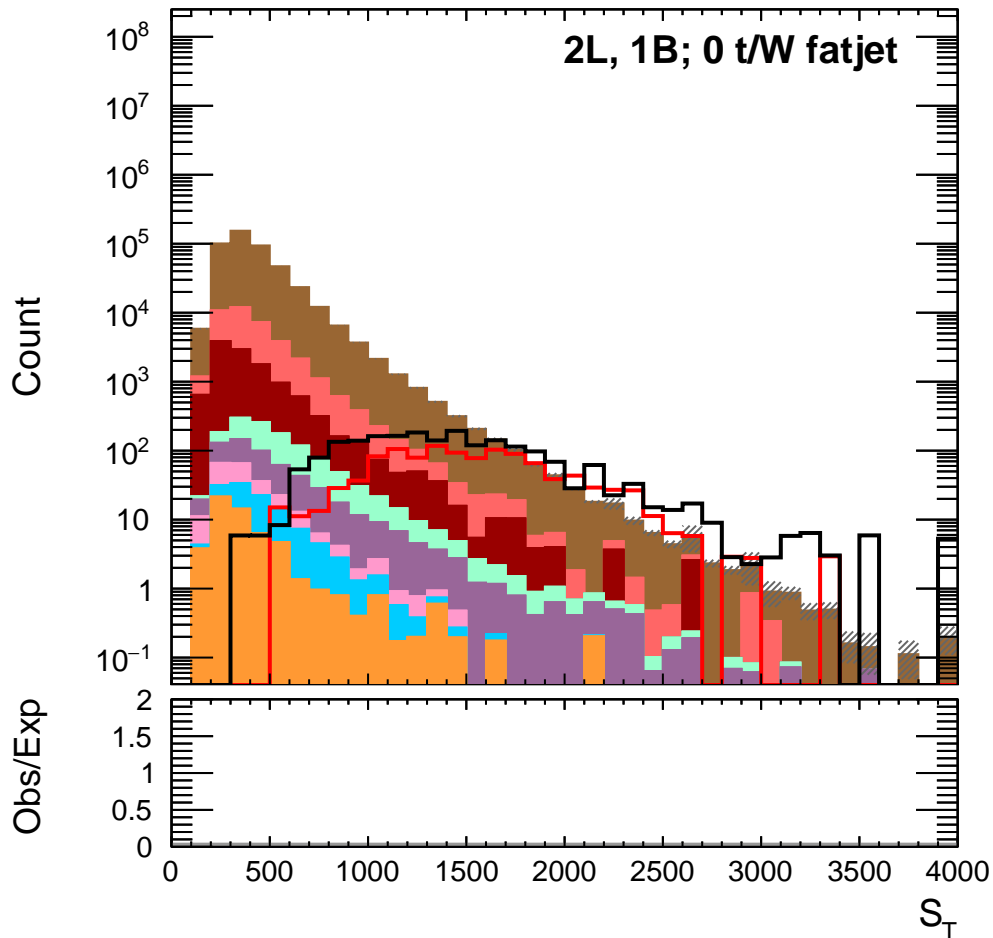
Obs/Exp: 0.00 Exp: 4.544e+05



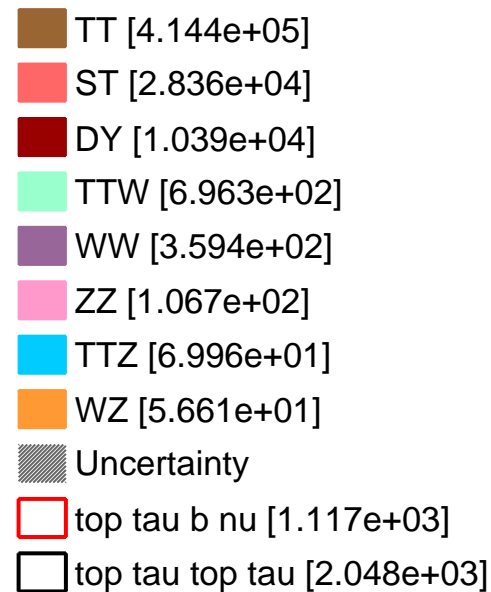


Obs/Exp: 0.00 Exp: 4.544e+05

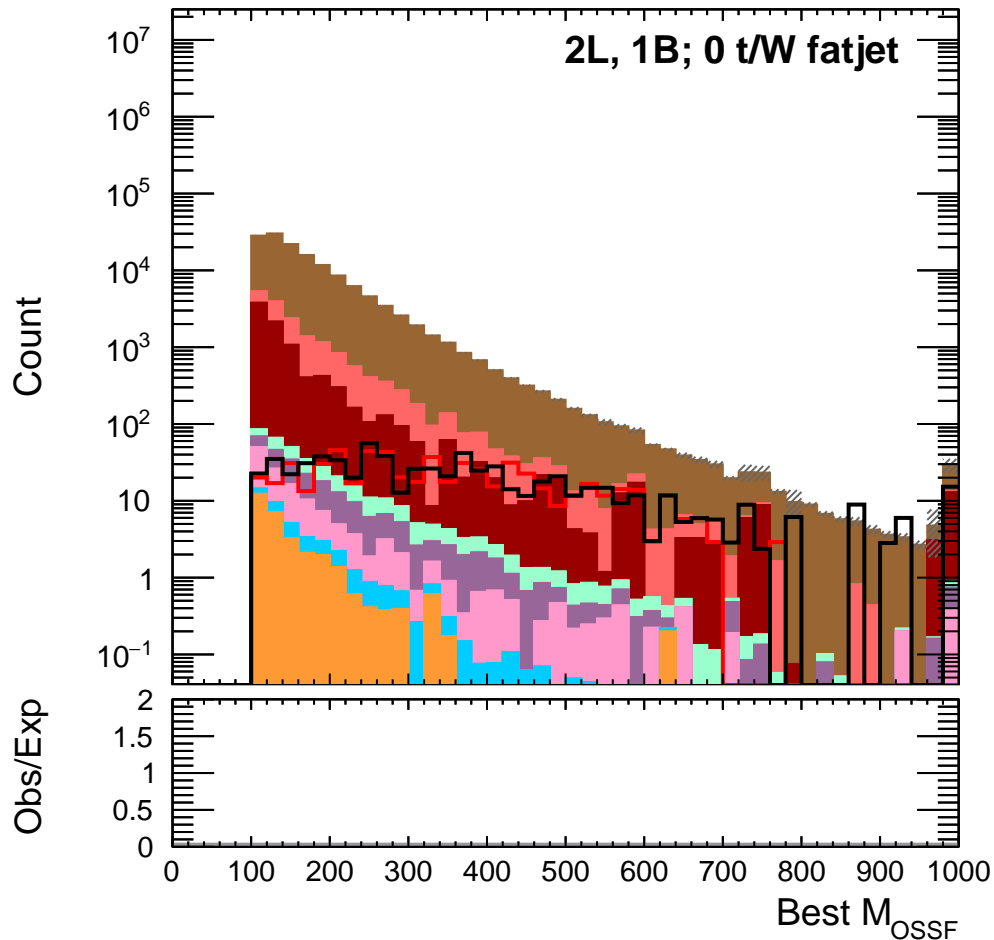
- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]



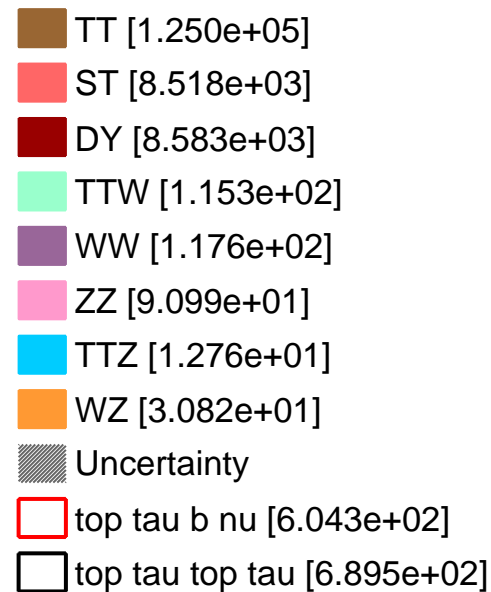
Obs/Exp: 0.00 Exp: 4.544e+05



TrigAccept=0 && Event_IsTight=0 && PassMETFilters=0 && PassLumiJounFilter=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]==MZhig_h3&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0))



Obs/Exp: 0.00 Exp: 1.424e+05



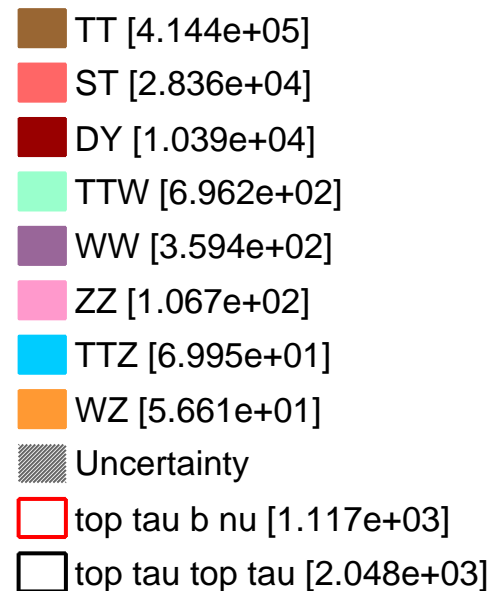
TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJeronFilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]==MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

Count

2L, 1B; 0 t/W fatjet

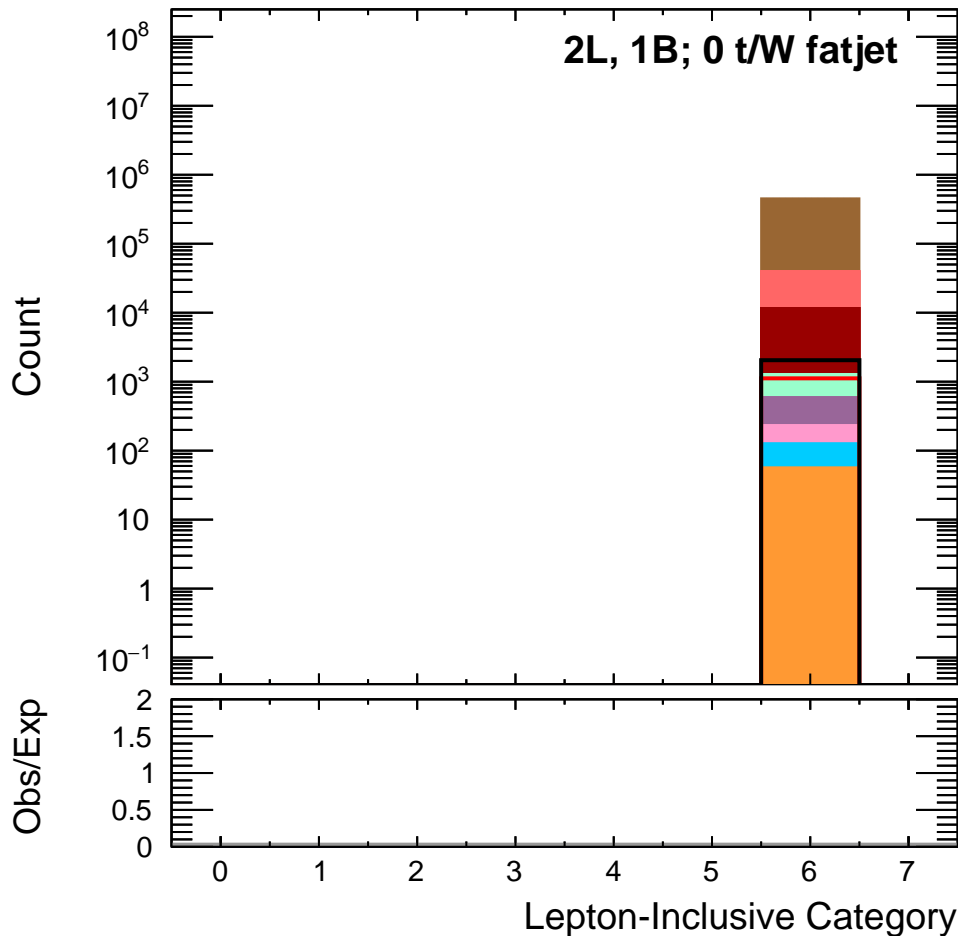
Obs/Exp

Obs/Exp: 0.00 Exp: 4.544e+05

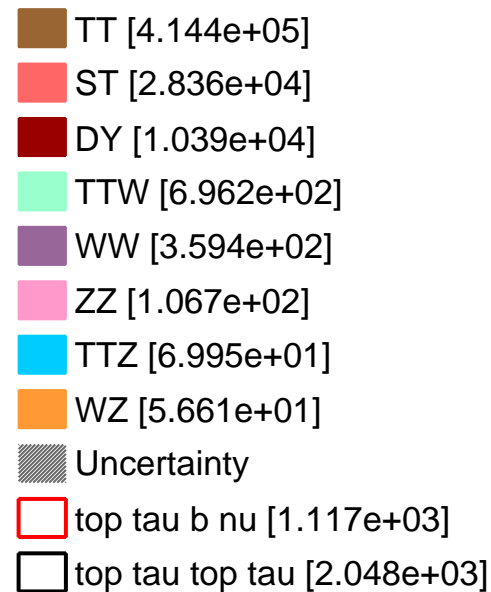


Category

TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJeronFilter=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t0]=MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)



Obs/Exp: 0.00 Exp: 4.544e+05



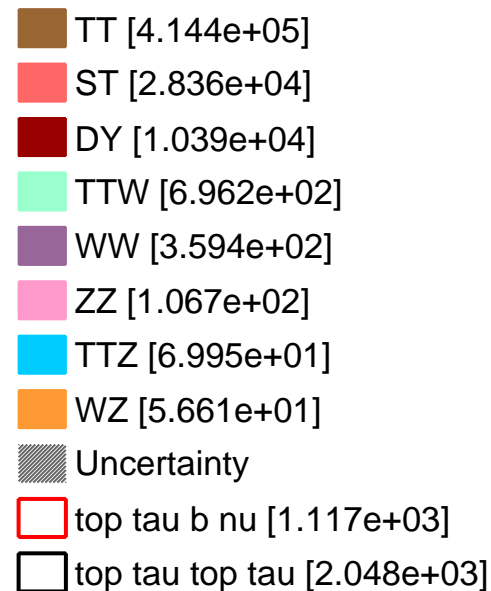
TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiFilters=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t0]-MZhig_1)<5&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

Count

2L, 1B; 0 t/W fatjet

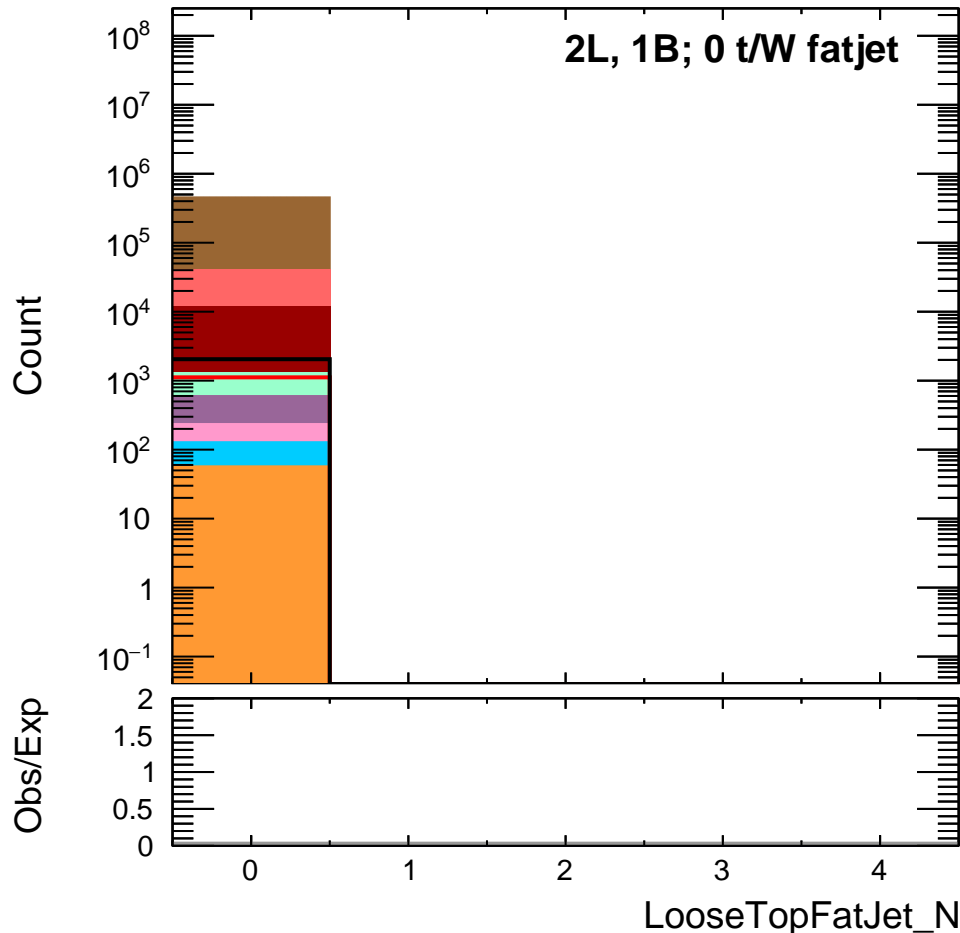
Obs/Exp

Obs/Exp: 0.00 Exp: 4.544e+05

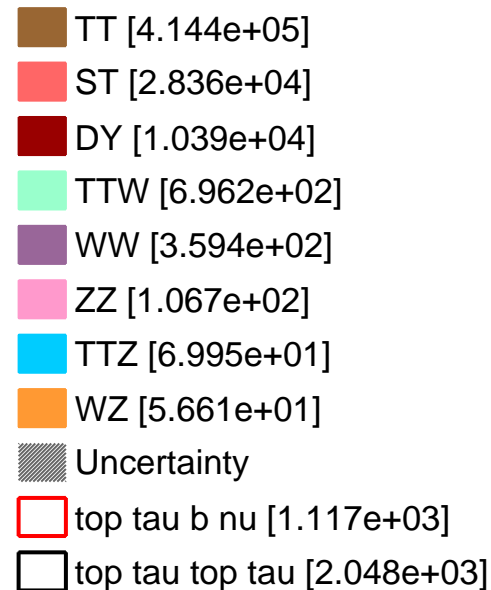


EXO-21-002 Category

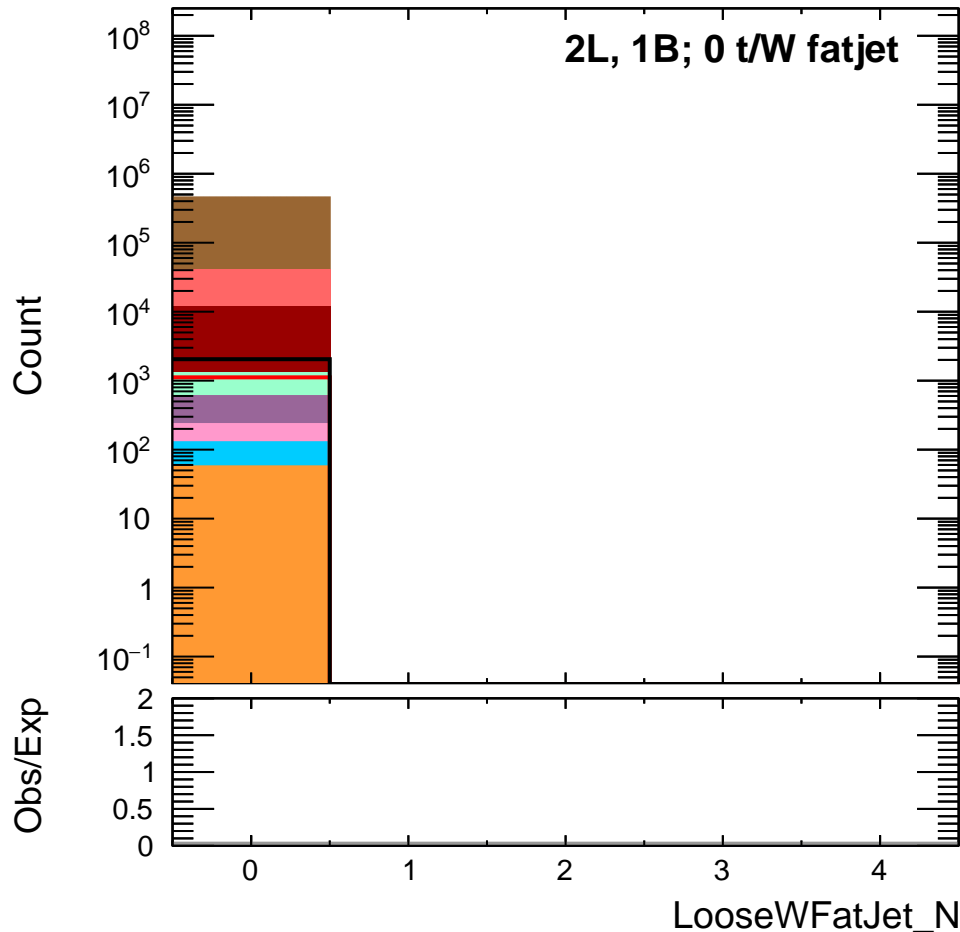
TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJounFilter=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[t0]=MZhig_h3&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0))



Obs/Exp: 0.00 Exp: 4.544e+05

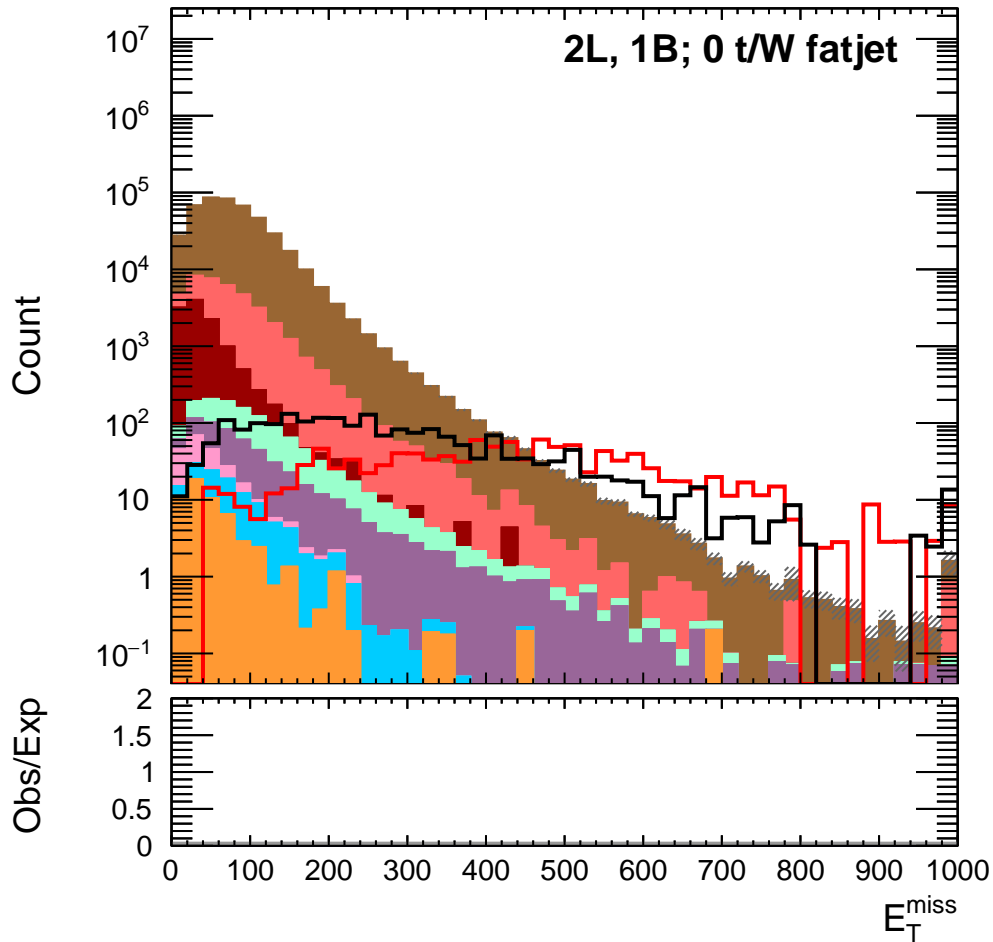


TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJounFilter=0 && LightLepton_N==2 && CustomJet_N > 1 && CustomBJet_N > 0 && nCrZ==0 && (CSSF_N == 0 || Event_BestMOSSF[0]==MZhig_1)&&(LooseTopFatJet_N == 0 && LooseWFatJet_N == 0)

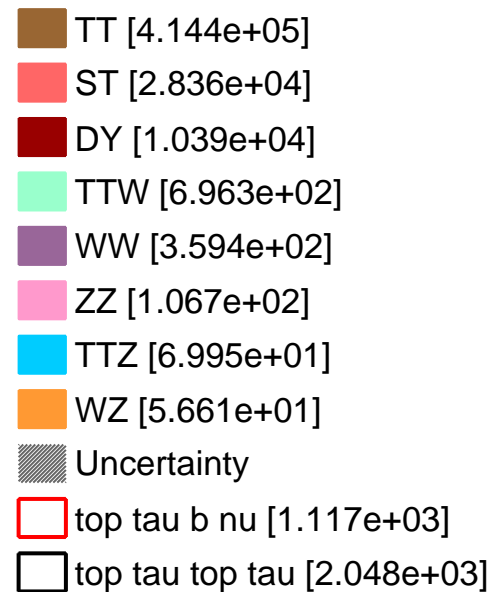


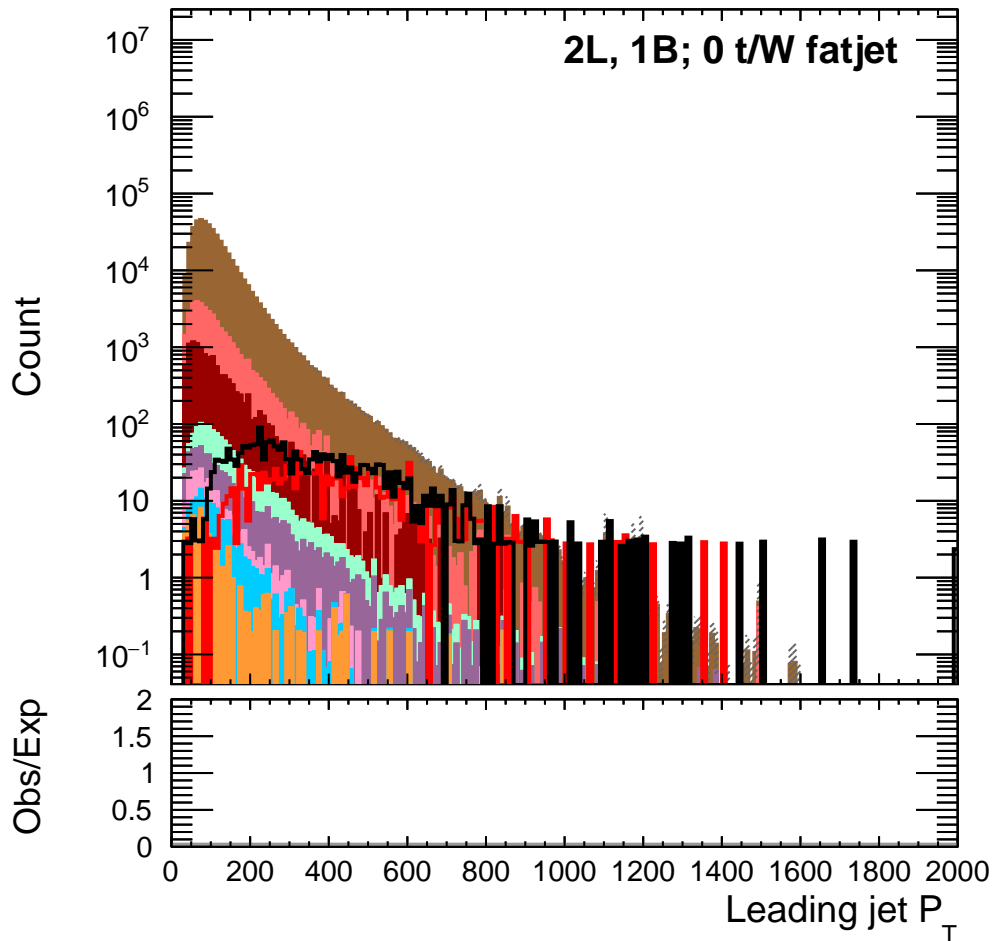
Obs/Exp: 0.00 Exp: 4.544e+05

- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.039e+04]
- TTW [6.962e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.995e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]

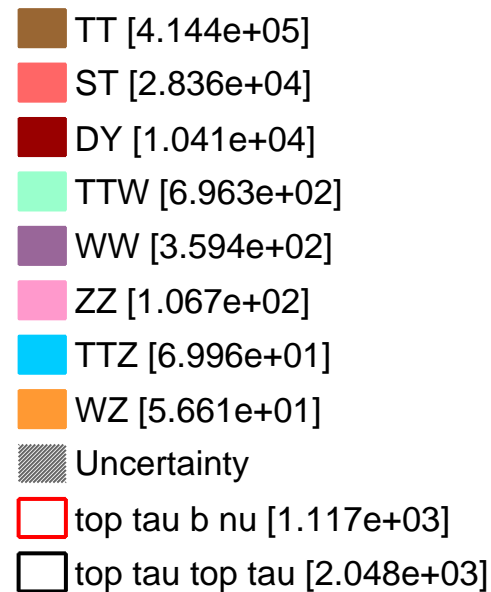


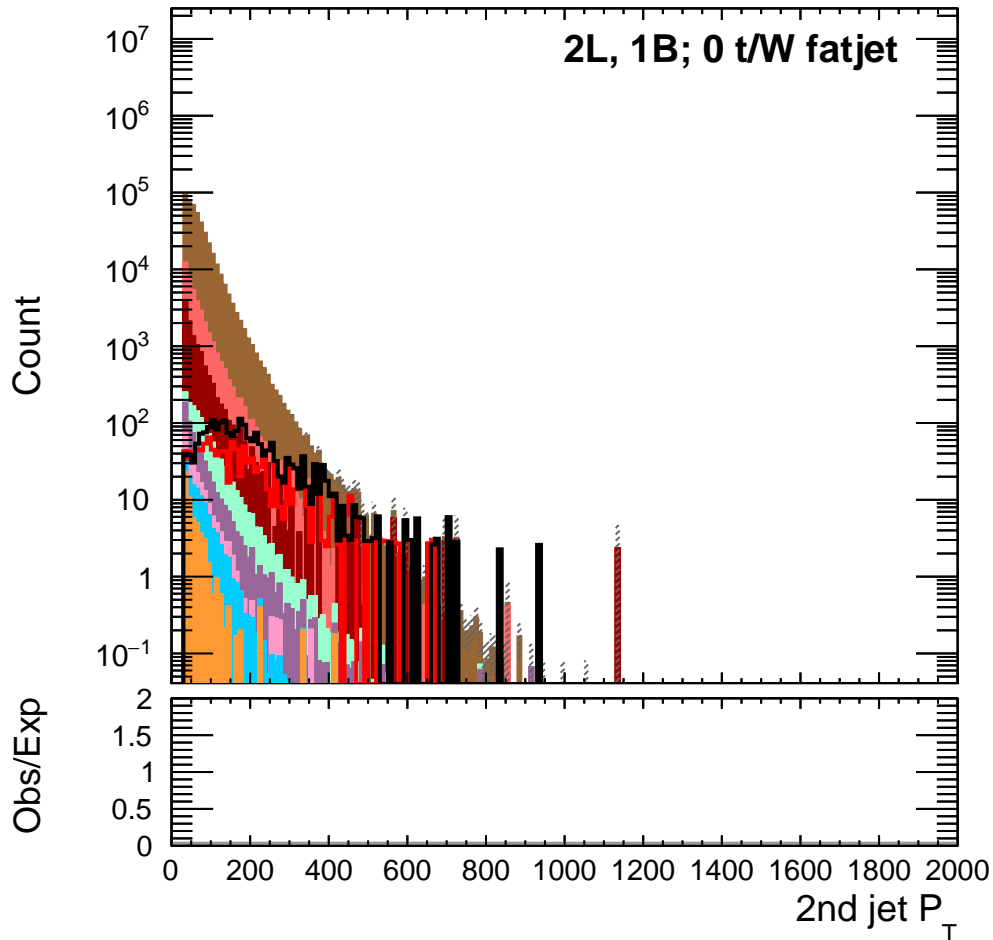
Obs/Exp: 0.00 Exp: 4.544e+05



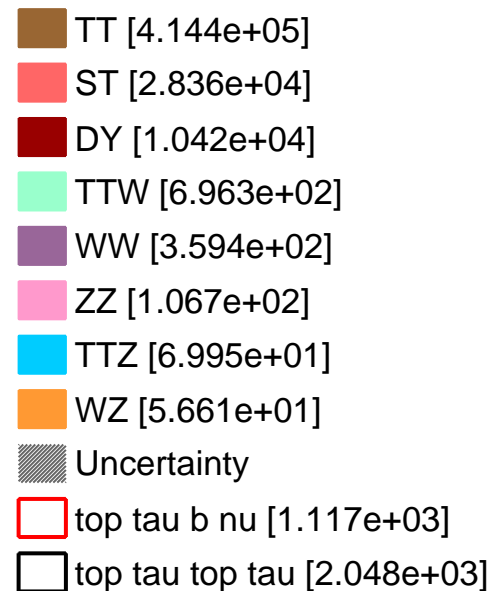


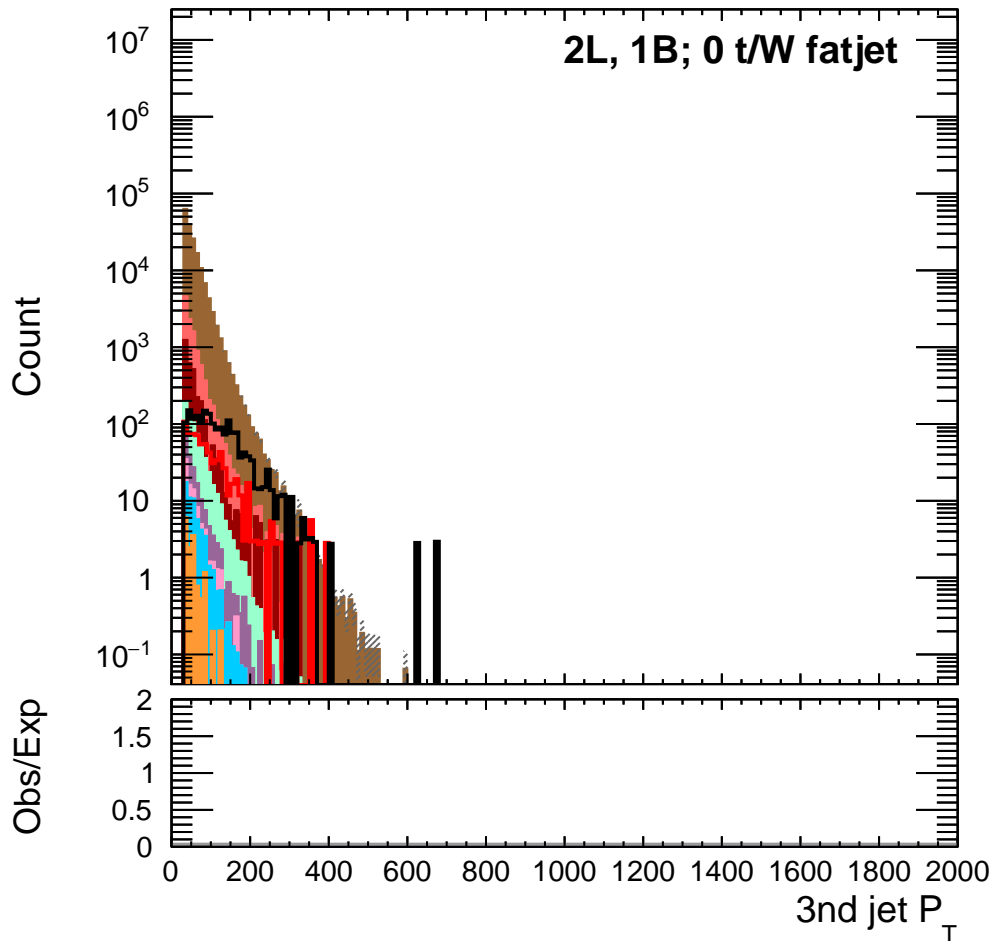
Obs/Exp: 0.00 Exp: 4.544e+05



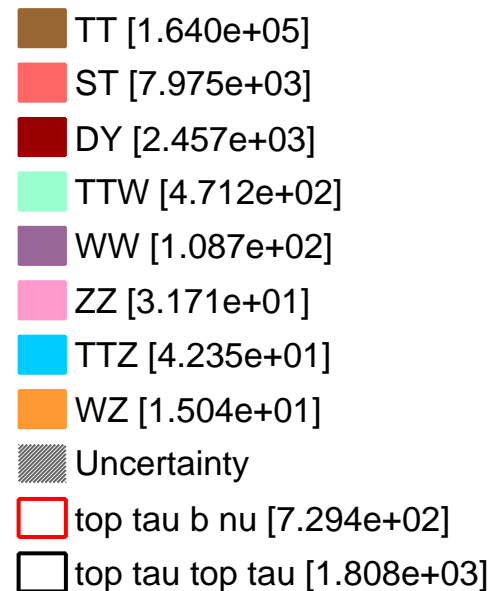


Obs/Exp: 0.00 Exp: 4.544e+05

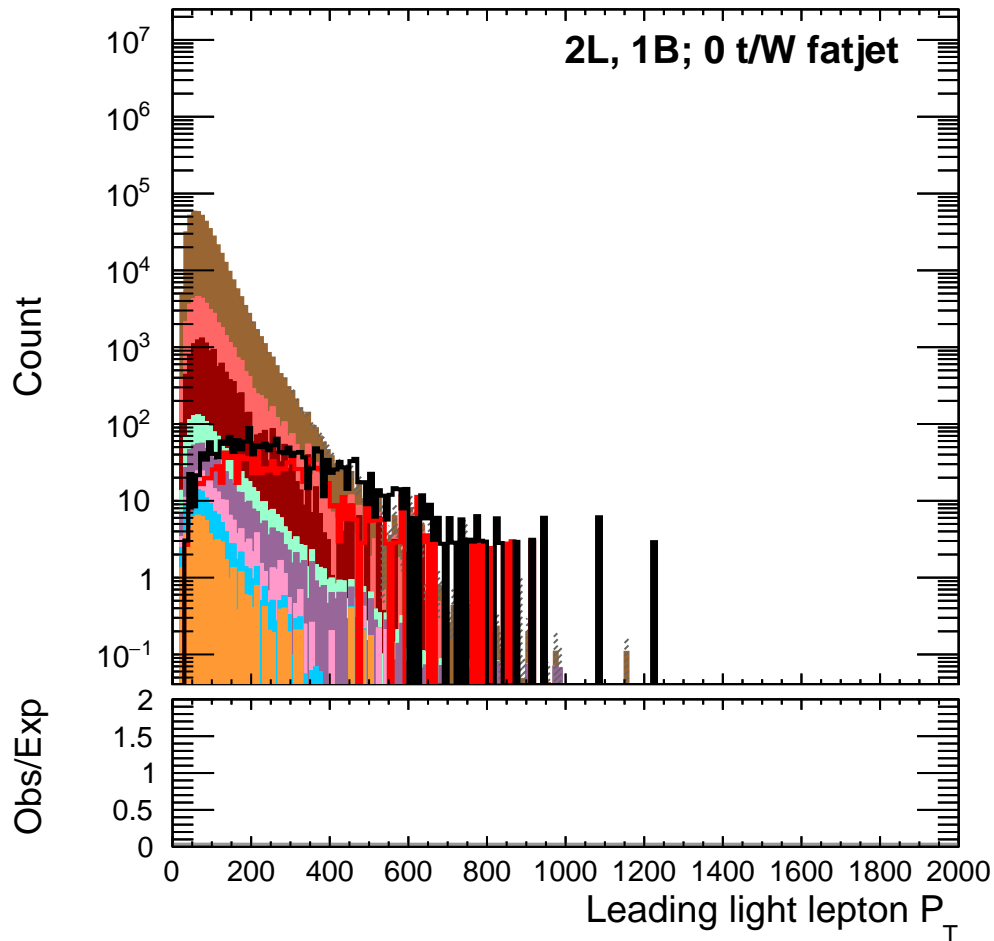




Obs/Exp: 0.00 Exp: 1.751e+05

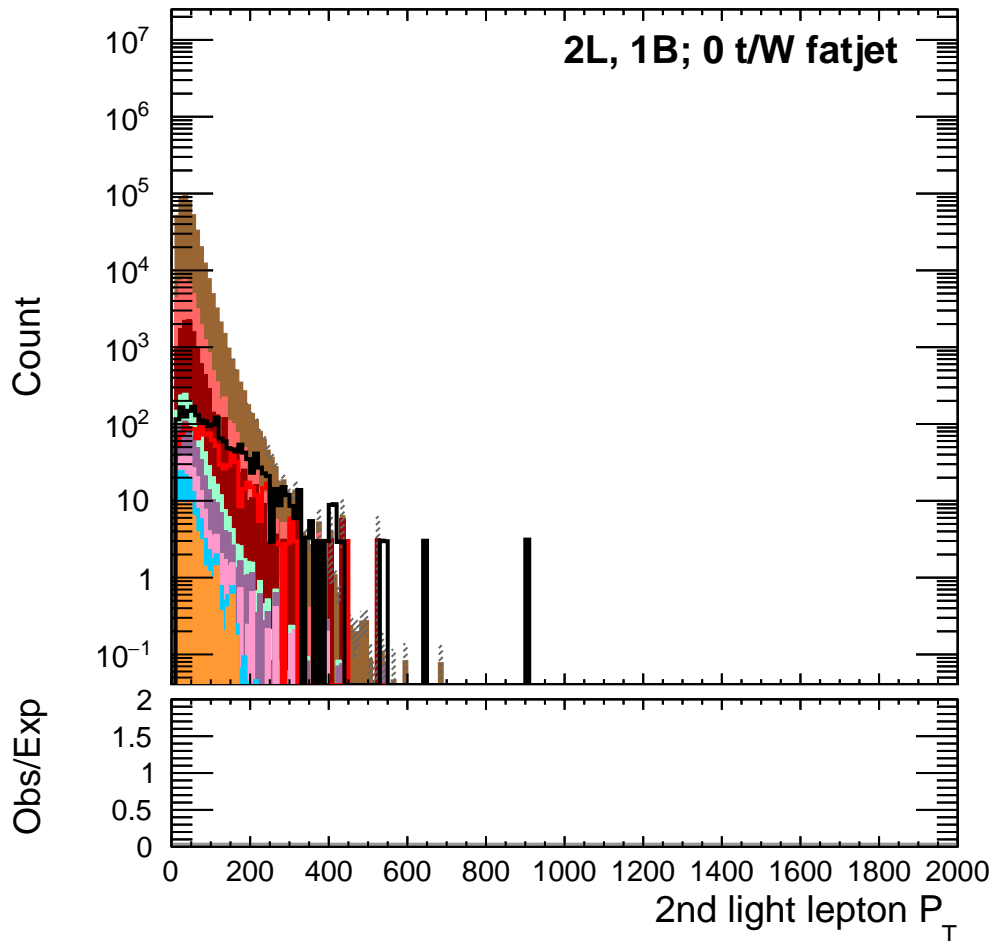


TrigAccept=0 && Event_IsTight=0 && PassMETFilters>0 && PassLumiJorFilter=0 && LightLepton_N==2 && CustomJet_N>1 && CustomBJet_N>0 && nCrZ==0 && (CSSF_N==0 || Event_BestMOSSF[0]==MZhig_1)&&(LooseTopFatJet_N==0 && LooseWFatJet_N==0)

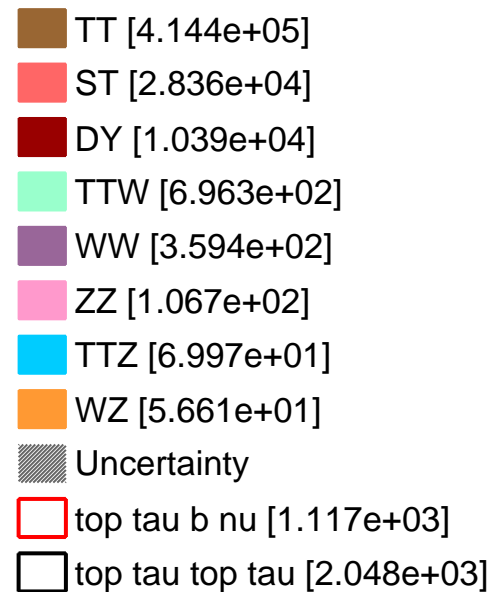


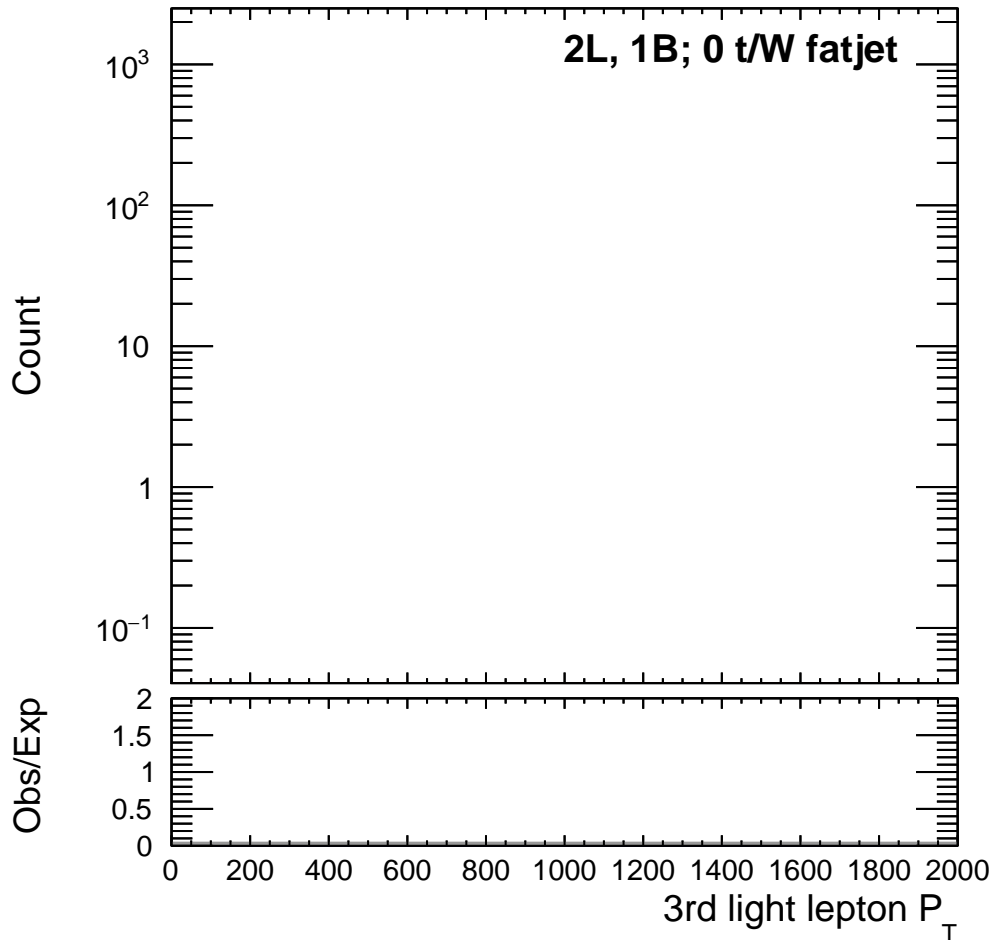
Obs/Exp: 0.00 Exp: 4.544e+05

- TT [4.144e+05]
- ST [2.836e+04]
- DY [1.040e+04]
- TTW [6.963e+02]
- WW [3.594e+02]
- ZZ [1.067e+02]
- TTZ [6.998e+01]
- WZ [5.661e+01]
- Uncertainty
- top tau b nu [1.117e+03]
- top tau top tau [2.048e+03]



Obs/Exp: 0.00 Exp: 4.544e+05





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]