

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp

All

Obs/Exp: 0.00 Exp: 7.714e+07



0

1

2

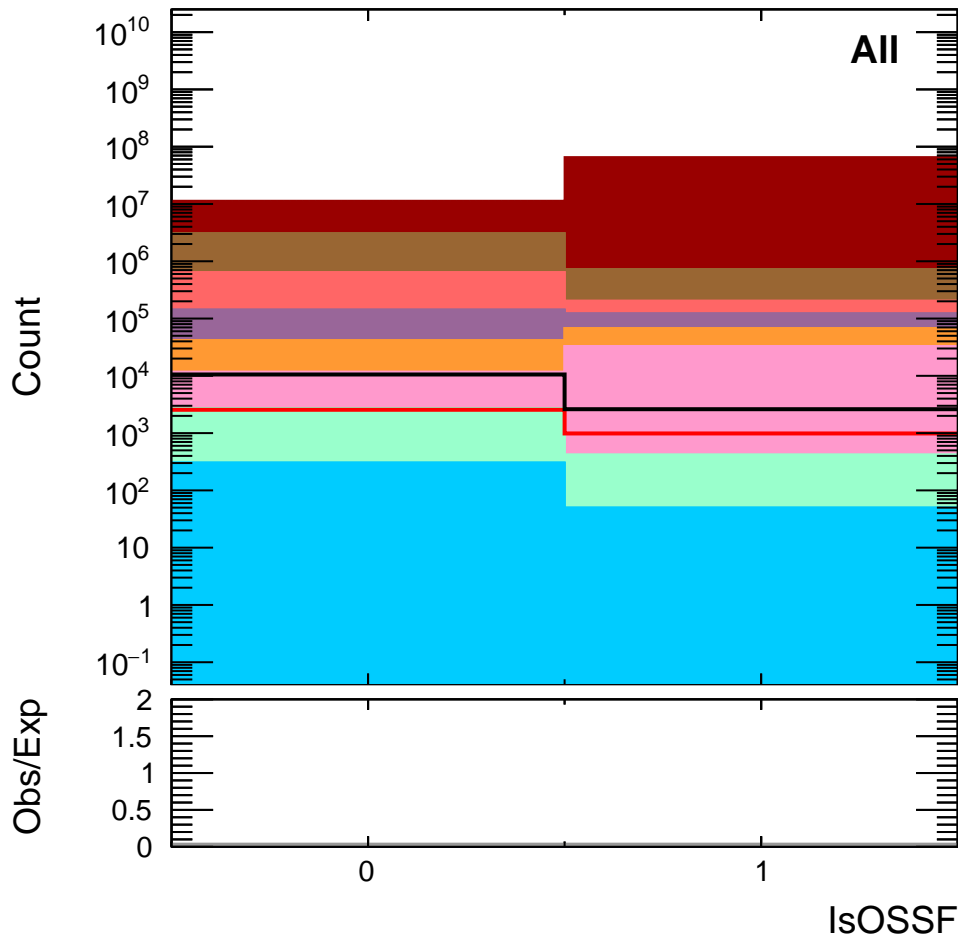
3

4

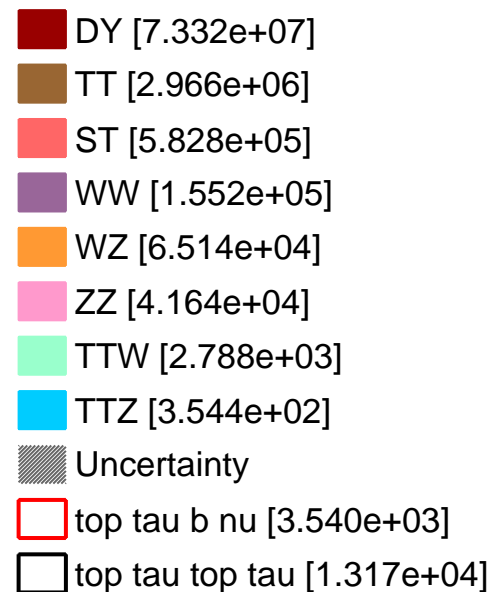
5

No. of light leptons

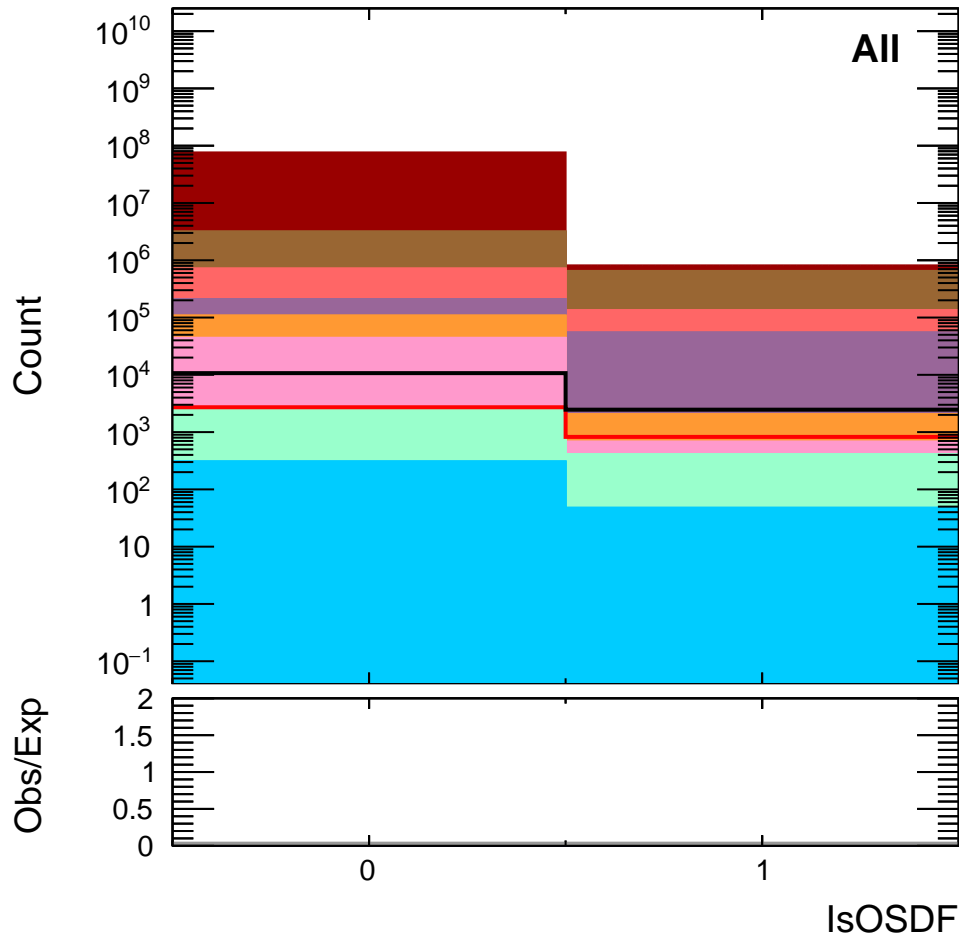
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07



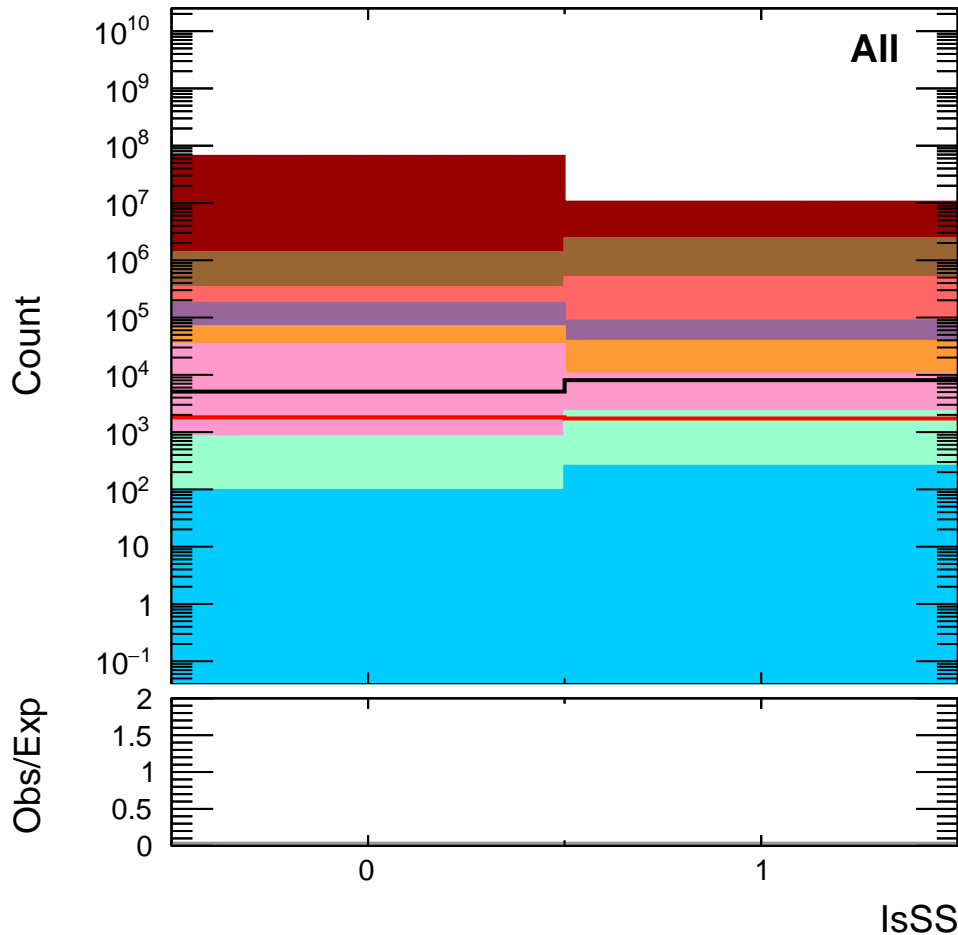
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.544e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

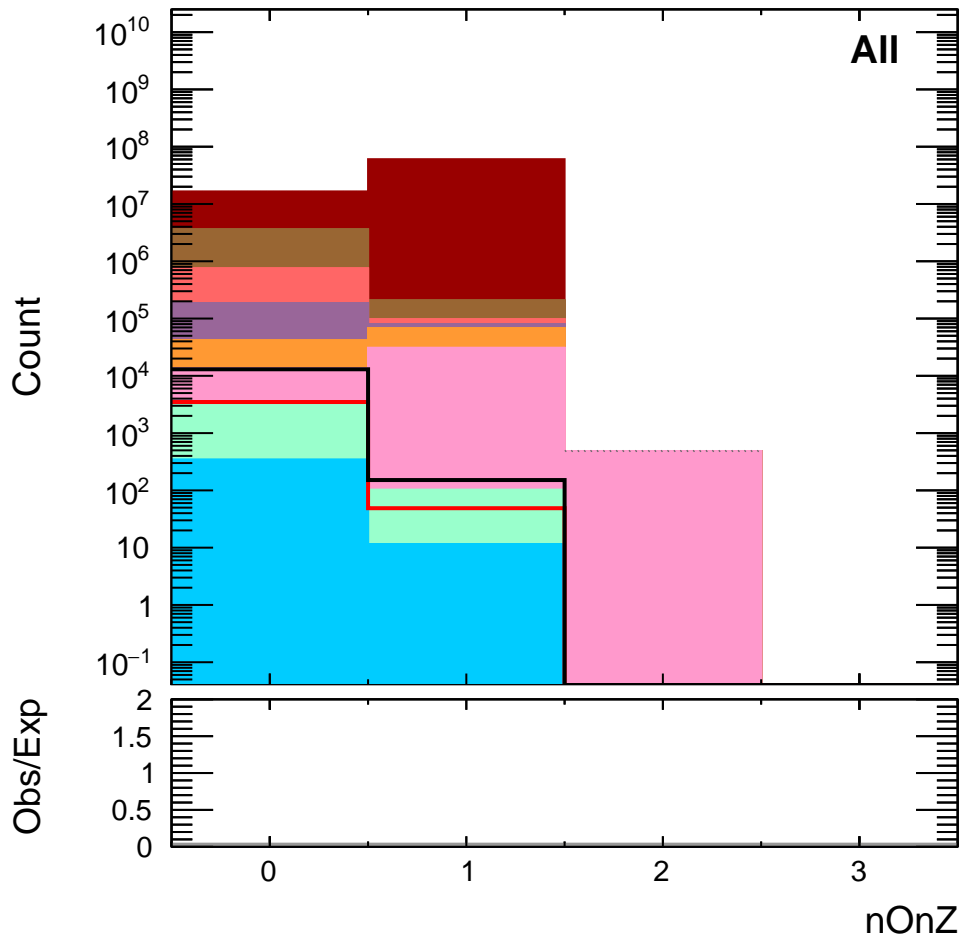
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714×10^7



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.544e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp

All

Obs/Exp: 0.00 Exp: 7.714e+07



0

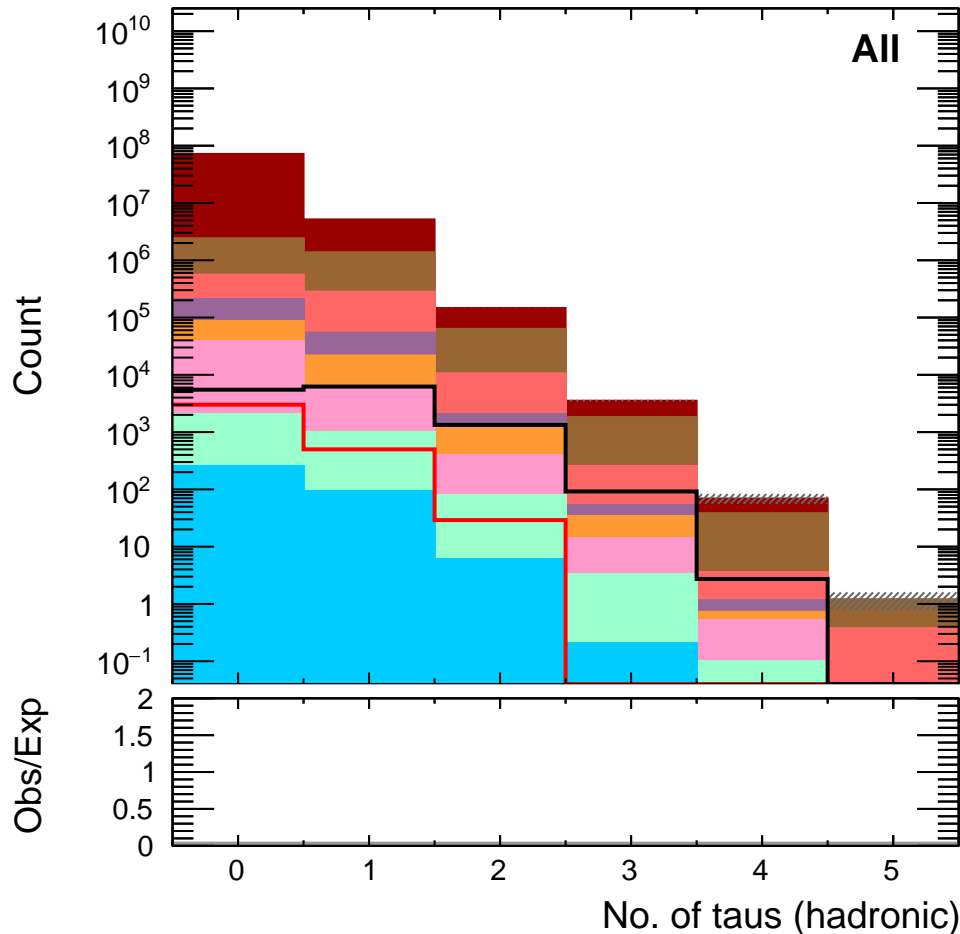
1

2

3

OSSF_N

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.544e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

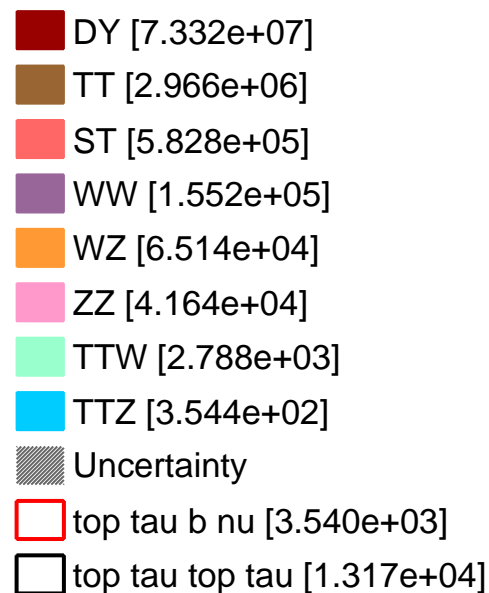
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp

All

Obs/Exp: 0.00 Exp: 7.714e+07



No. of light leptons plus taus (hadronic)

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

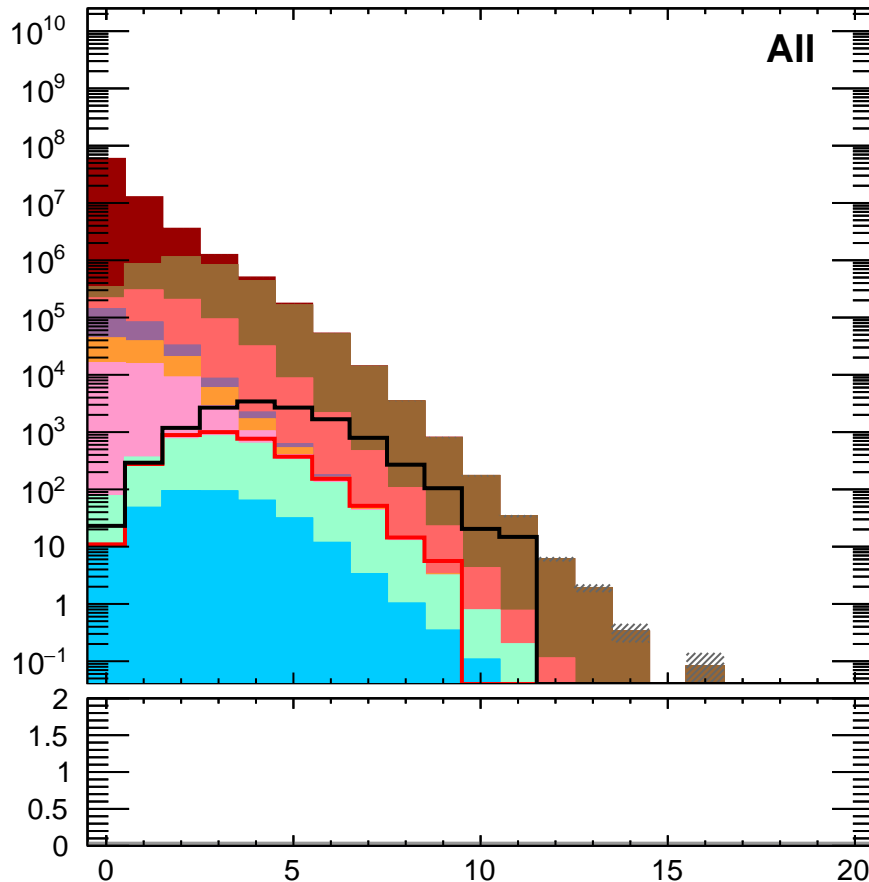
Count

All

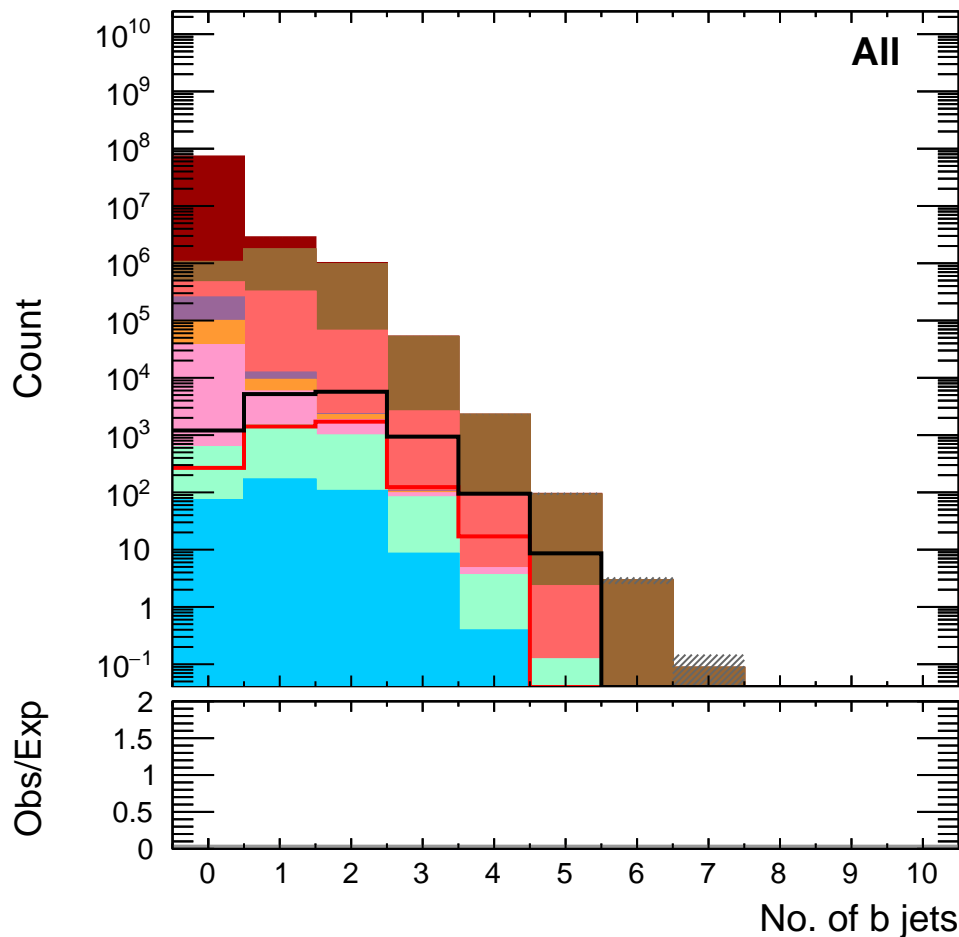
Obs/Exp: 0.00 Exp: 7.714e+07



Obs/Exp



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.544e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

All

Obs/Exp: 0.00 Exp: 7.714e+07

DY [7.332e+07]

TT [2.966e+06]

ST [5.828e+05]

WW [1.552e+05]

WZ [6.514e+04]

ZZ [4.164e+04]

TTW [2.788e+03]

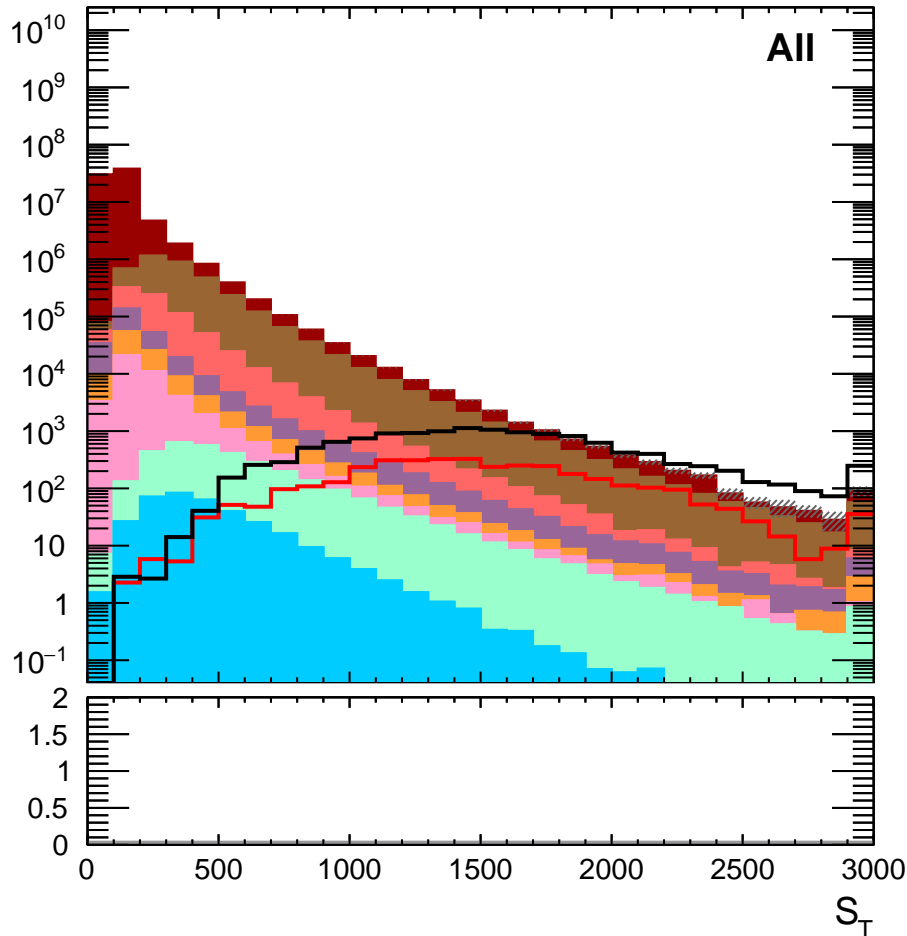
TTZ [3.544e+02]

Uncertainty

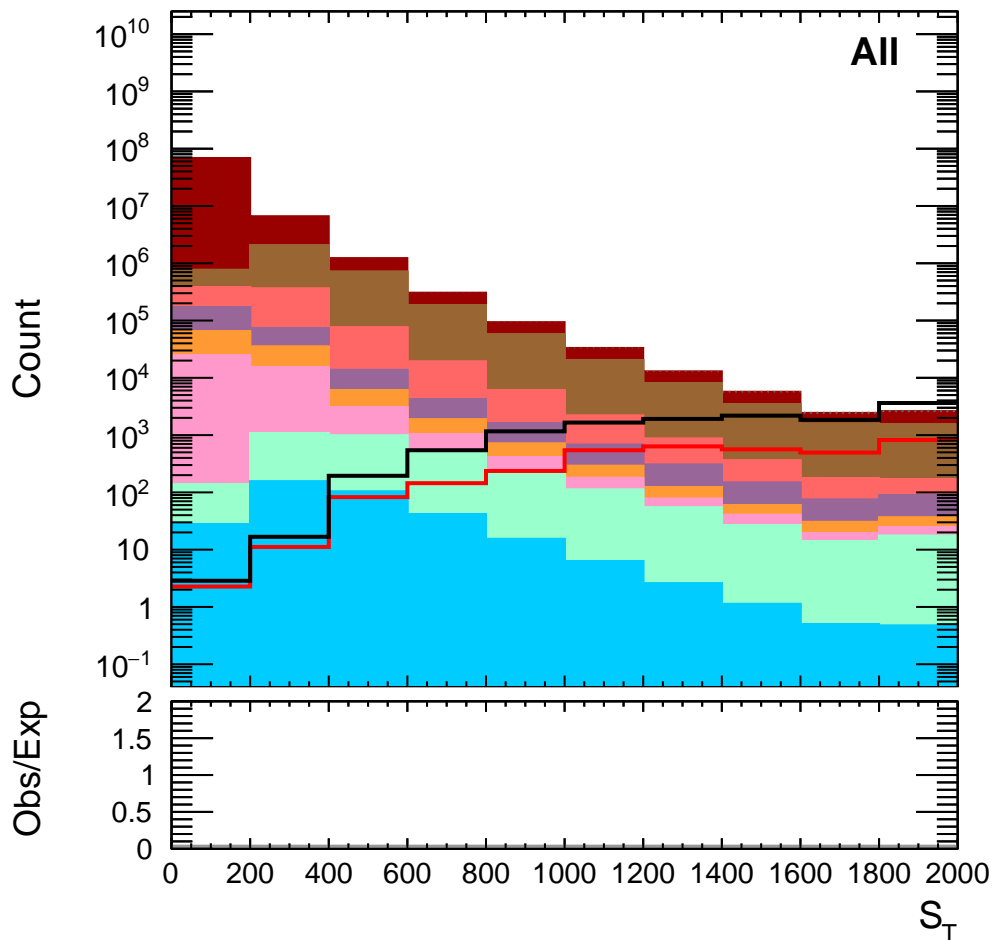
top tau b nu [3.540e+03]

top tau top tau [1.317e+04]

Obs/Exp



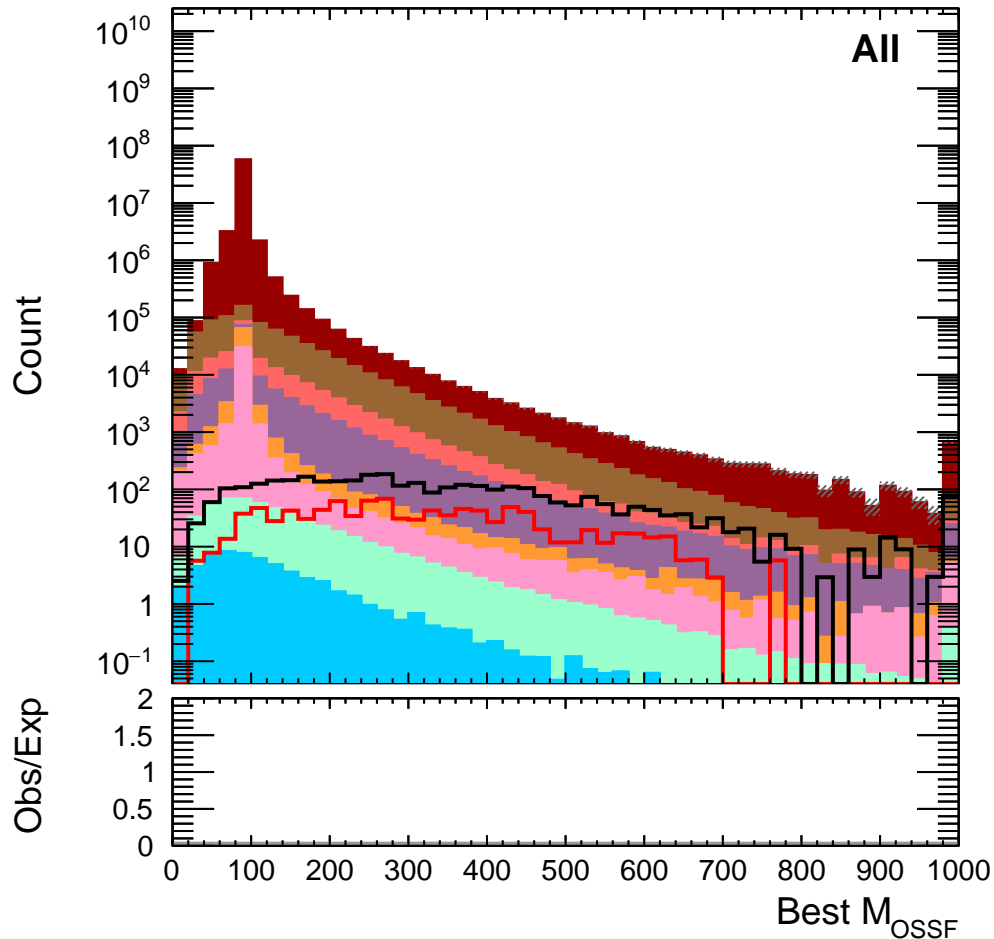
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



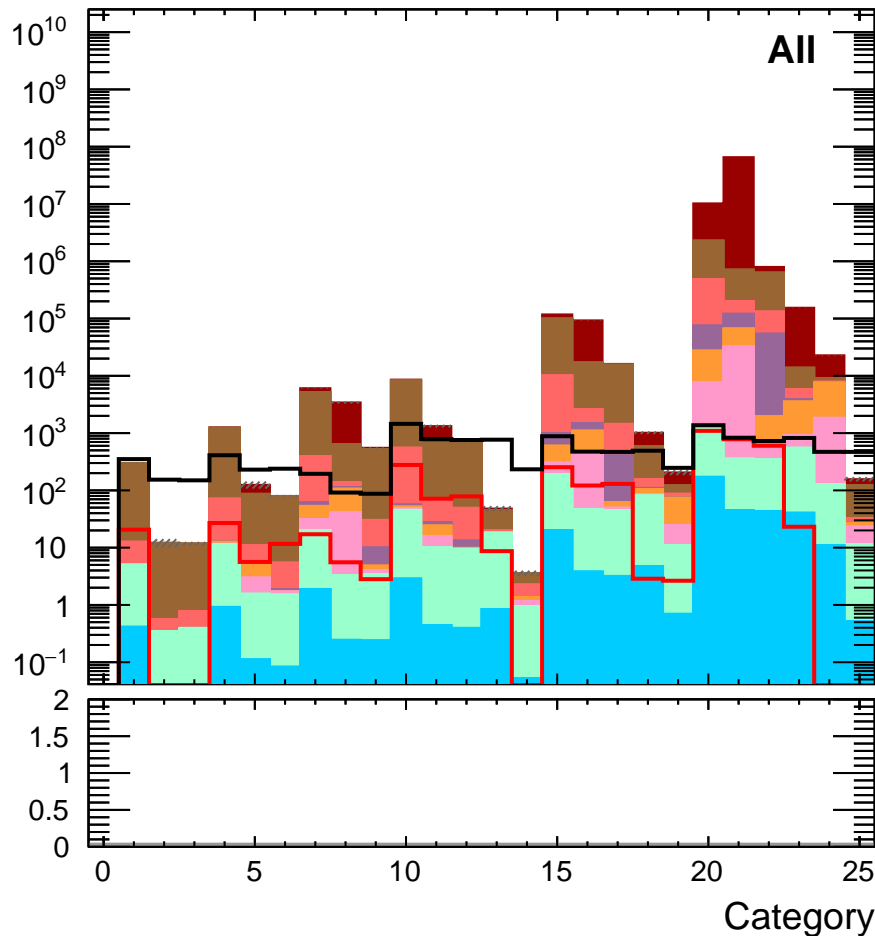
Obs/Exp: 0.00 Exp: 6.579e+07

- DY [6.505e+07]
- TT [5.294e+05]
- ST [8.159e+04]
- WW [5.418e+04]
- WZ [4.098e+04]
- ZZ [3.437e+04]
- TTW [4.673e+02]
- TTZ [5.912e+01]
- Uncertainty
- top tau b nu [9.886e+02]
- top tau top tau [3.418e+03]

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp



Obs/Exp: 0.00 Exp: 7.714e+07



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

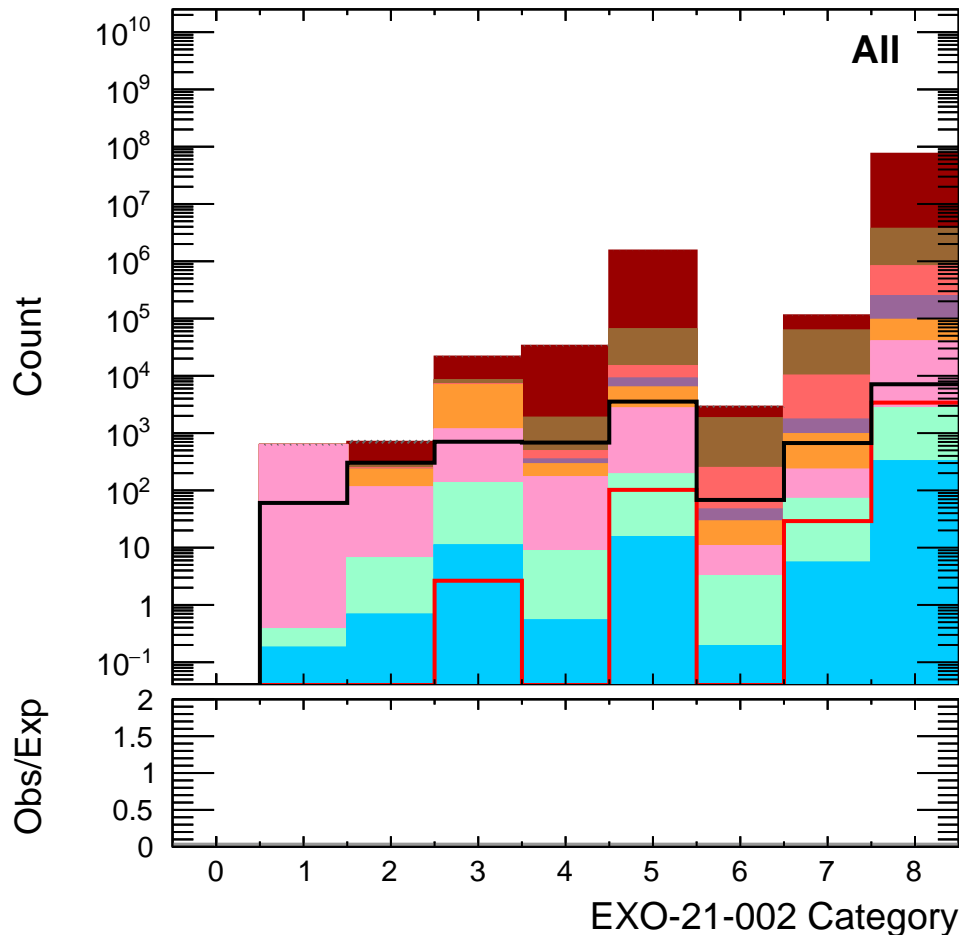
Obs/Exp

All

Obs/Exp: 0.00 Exp: 7.714e+07



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.544e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

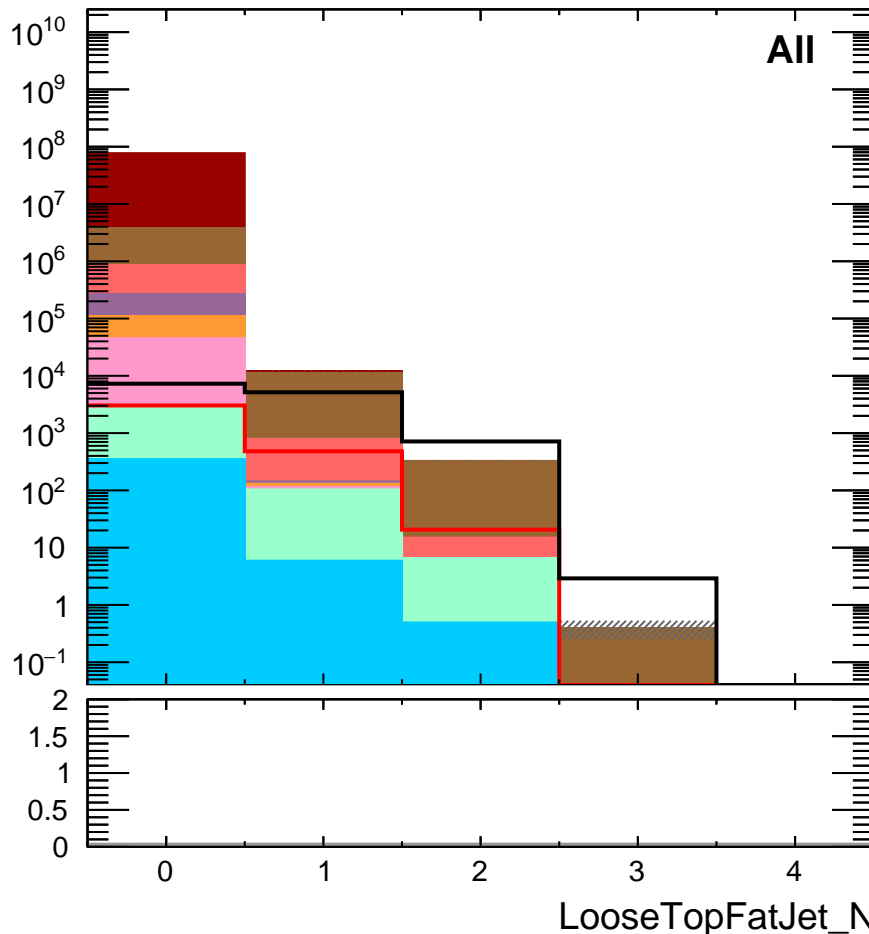
TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp

All

Obs/Exp: 0.00 Exp: 7.714e+07



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

Obs/Exp

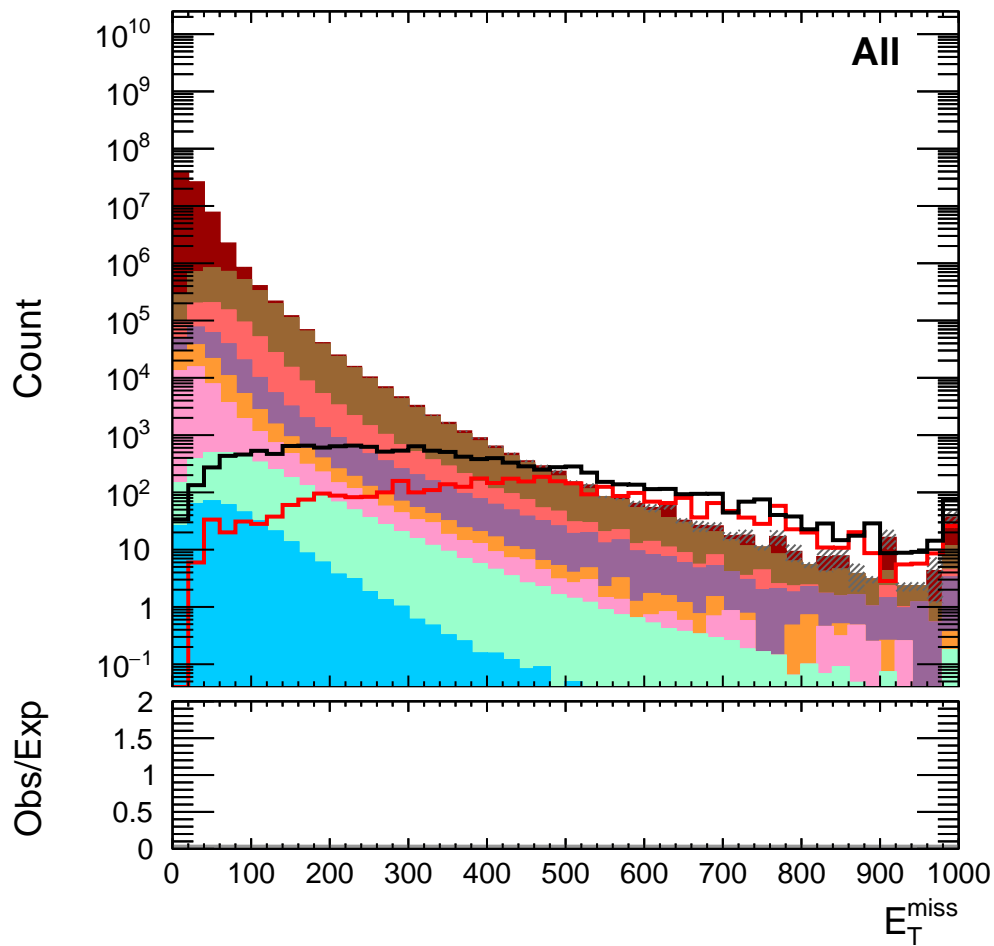
All

Obs/Exp: 0.00 Exp: 7.714e+07



LooseWFatJet_N

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1



Obs/Exp: 0.00 Exp: 7.714e+07

- DY [7.332e+07]
- TT [2.966e+06]
- ST [5.828e+05]
- WW [1.552e+05]
- WZ [6.514e+04]
- ZZ [4.164e+04]
- TTW [2.788e+03]
- TTZ [3.545e+02]
- Uncertainty
- top tau b nu [3.540e+03]
- top tau top tau [1.317e+04]

TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

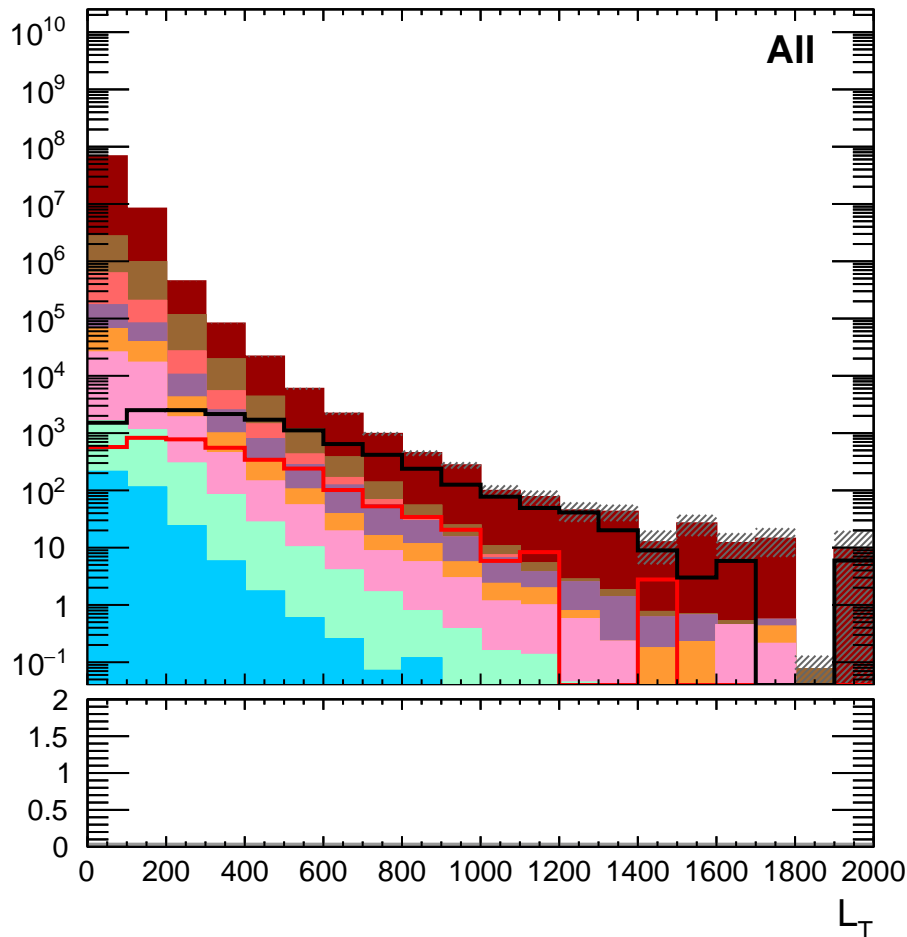
Count

All

Obs/Exp: 0.00 Exp: 7.714e+07



Obs/Exp



TrigAccept>0 && Event_IsTight>0 && PassMETFilters>0 && PassLumiJsonFilter>0 && LightLepton_N>0&&1

Count

All

Obs/Exp: 0.00 Exp: 7.714e+07

DY [7.332e+07]

TT [2.966e+06]

ST [5.828e+05]

WW [1.552e+05]

WZ [6.514e+04]

ZZ [4.164e+04]

TTW [2.788e+03]

TTZ [3.544e+02]

Uncertainty

top tau b nu [3.540e+03]

top tau top tau [1.317e+04]

Obs/Exp

0 200 400 600 800 1000 1200 1400 1600 1800 2000

H_T

