TrigAccept>0&&Event_IsTight>0&&PassMETFilters>0&&PassLumiJsonFilter>0&&LightLepton_N>0&&nOnZ==0 && PassSelections && Category==4

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03
- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
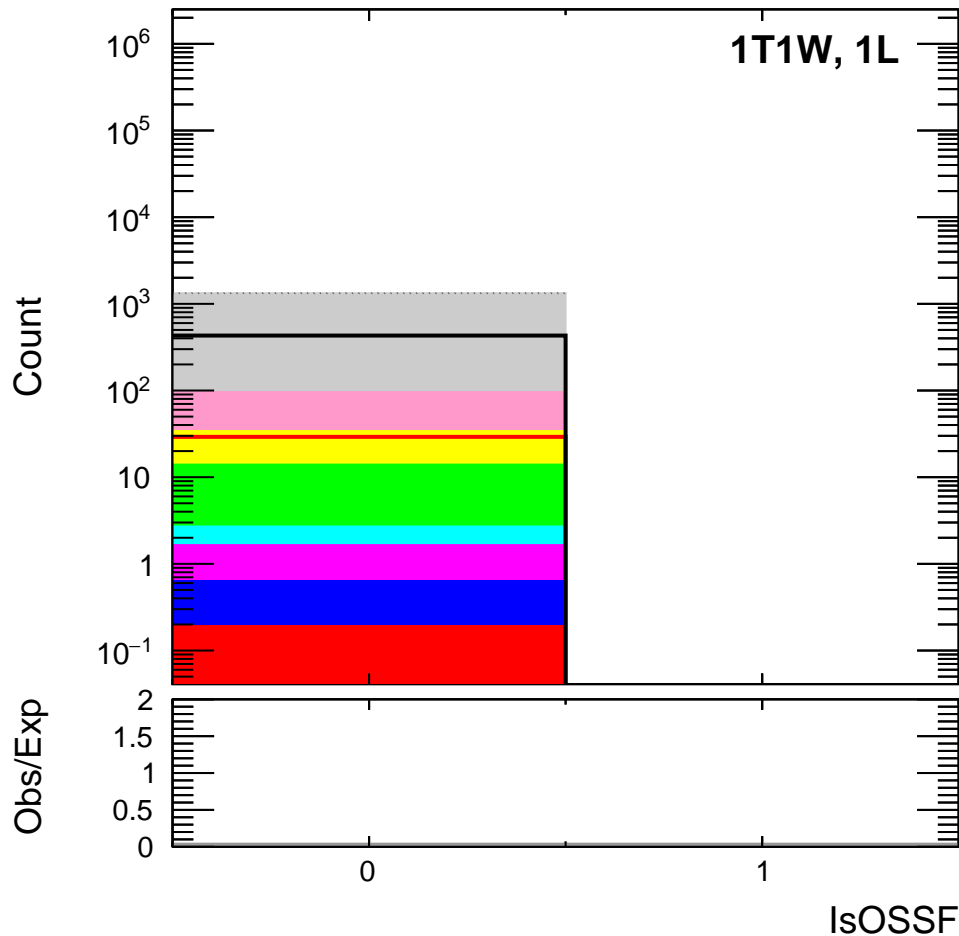- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
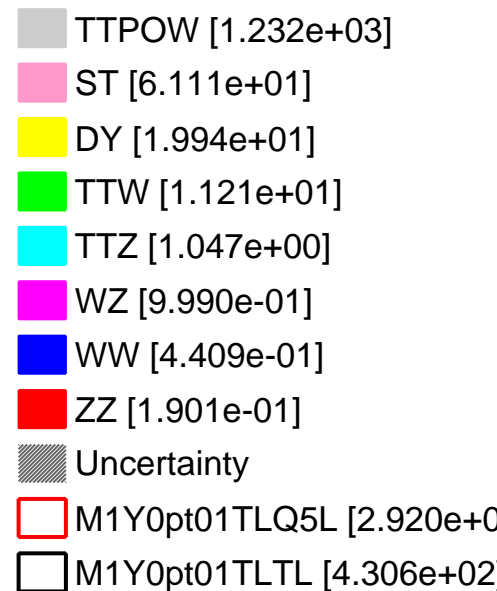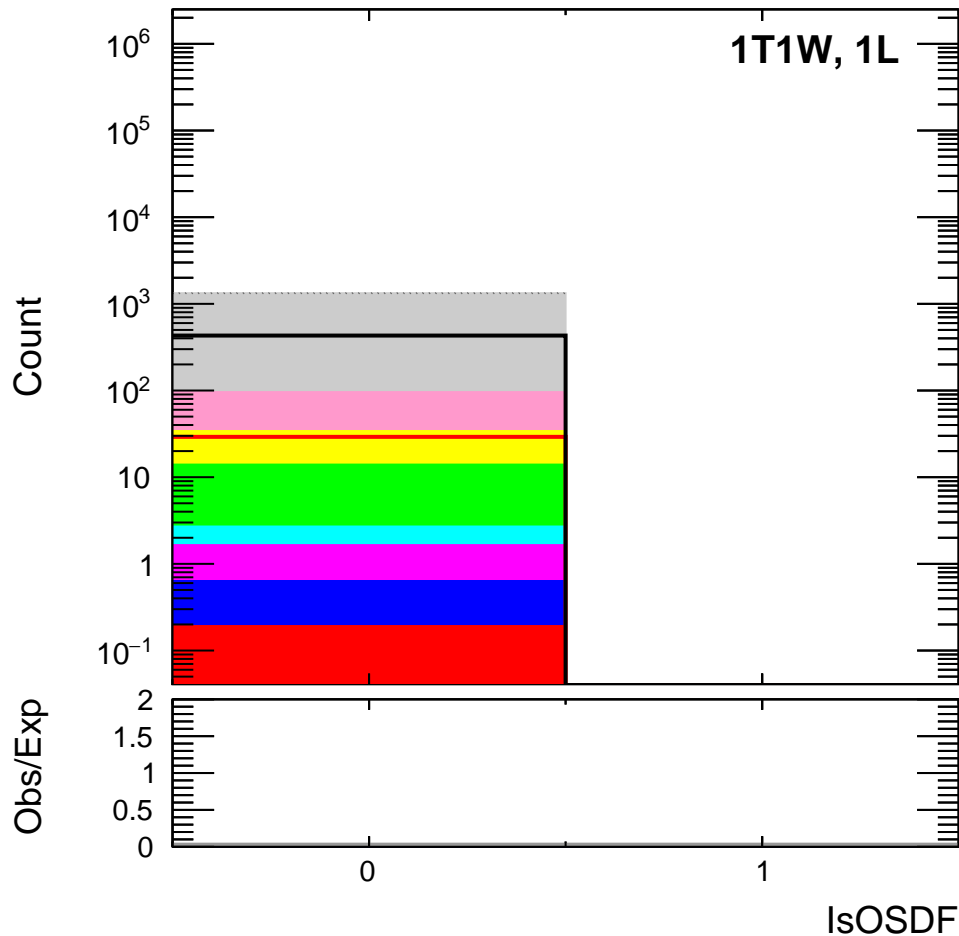- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
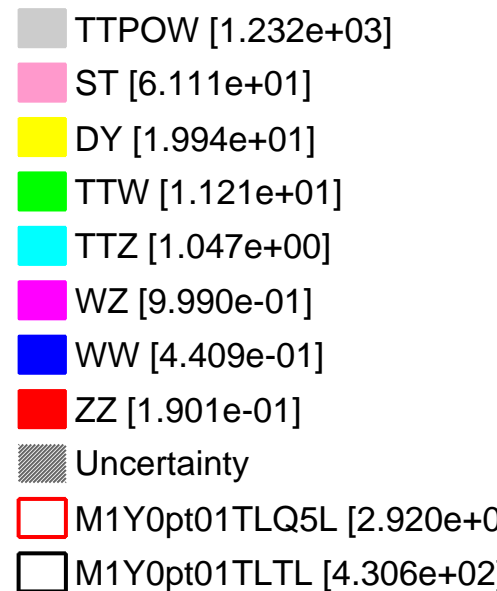- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

TrigAccept>0&&Event_IsTight>0&&PassMETFilters>0&&PassLumiJsonFilter>0&&LightLepton_N>0&&nOnZ==0 && PassSelections && Category==4

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

Count

Obs/Exp

IsSS

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03
TTPOW [1.232e+03]
ST [6.111e+01]
DY [1.994e+01]
TTW [1.121e+01]
TTZ [1.047e+00]
WZ [9.990e-01]
WW [4.409e-01]
ZZ [1.901e-01]
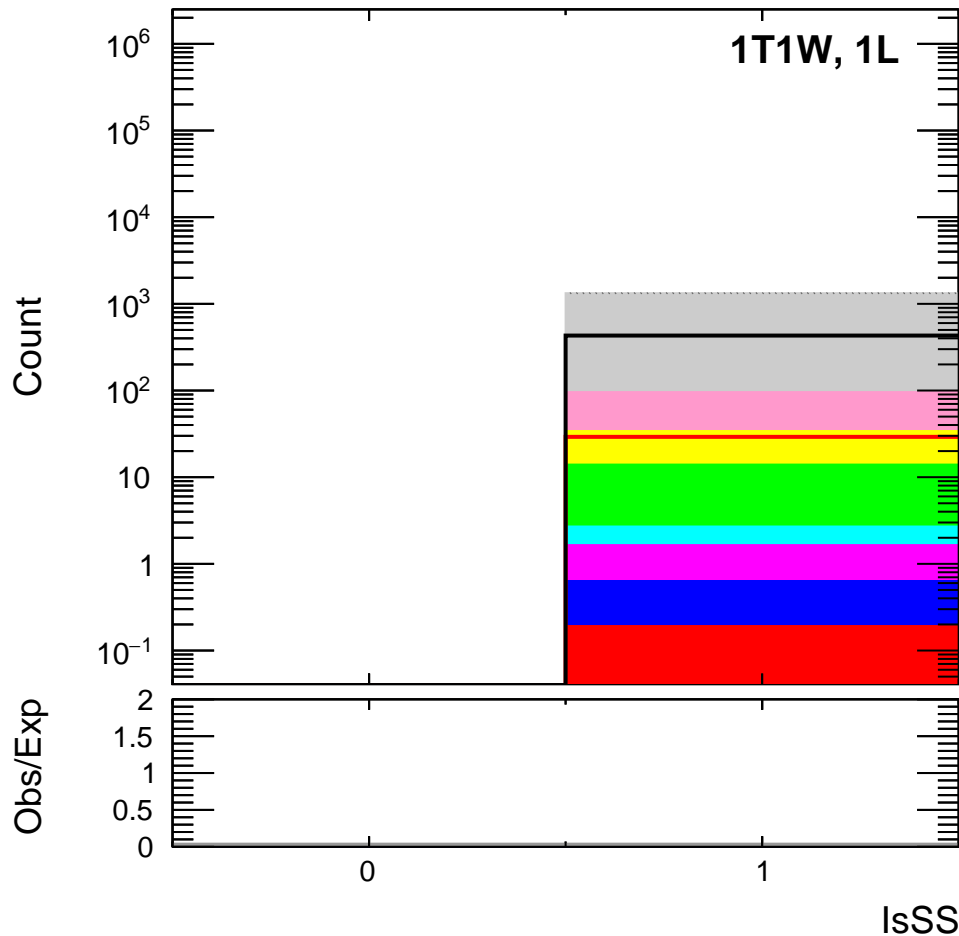Uncertainty
M1Y0pt01TLQ5L [2.920e+0
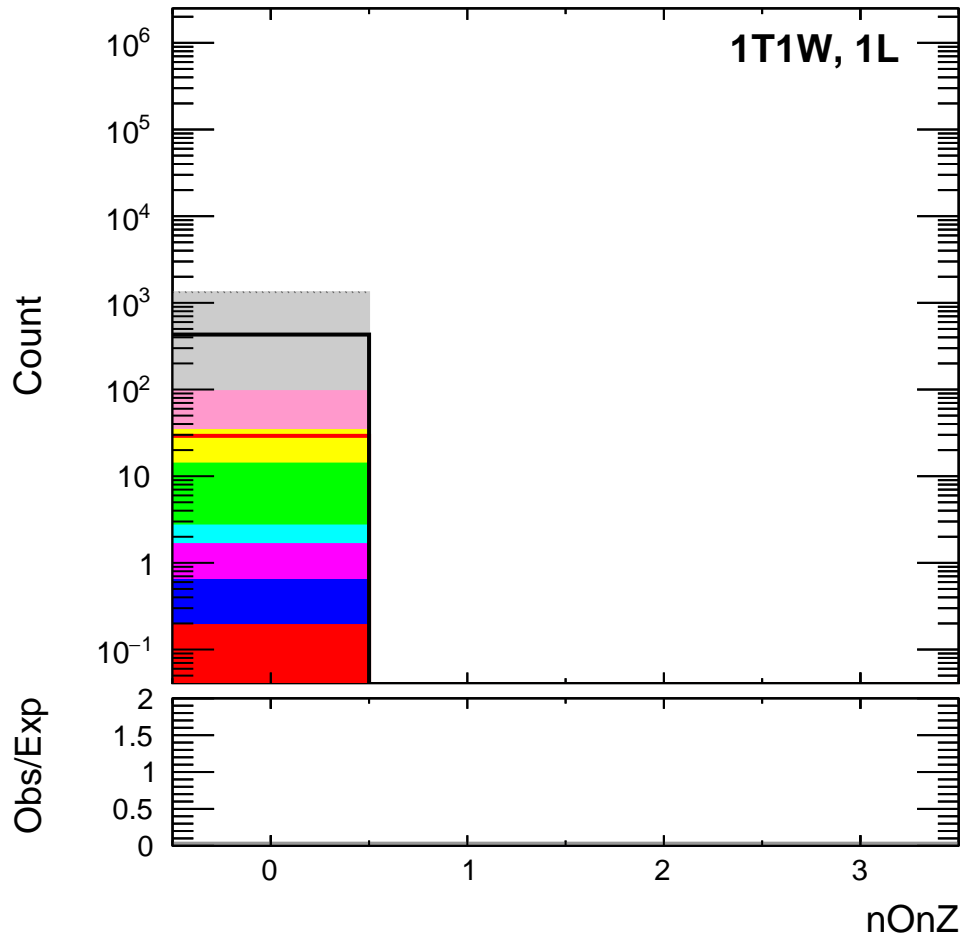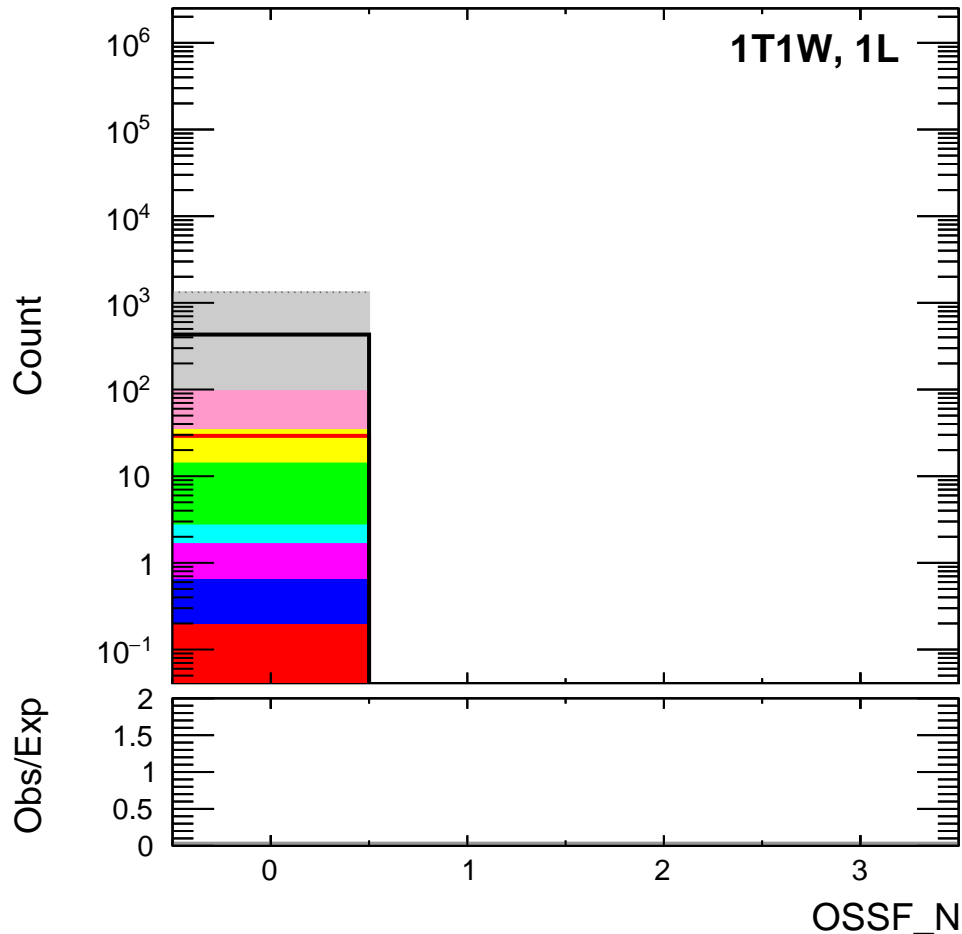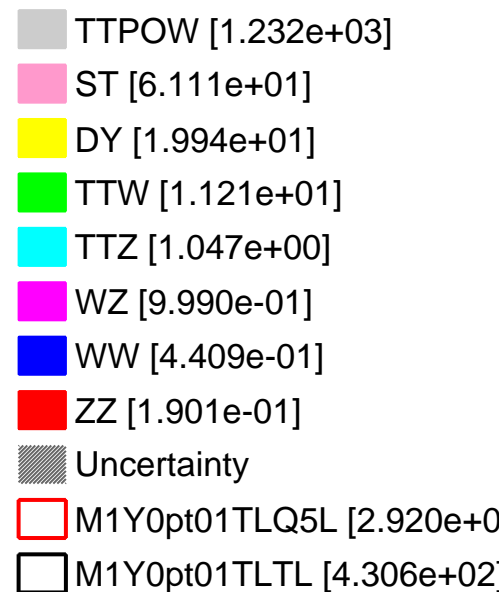M1Y0pt01TLTL [4.306e+02]

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03
- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0...]
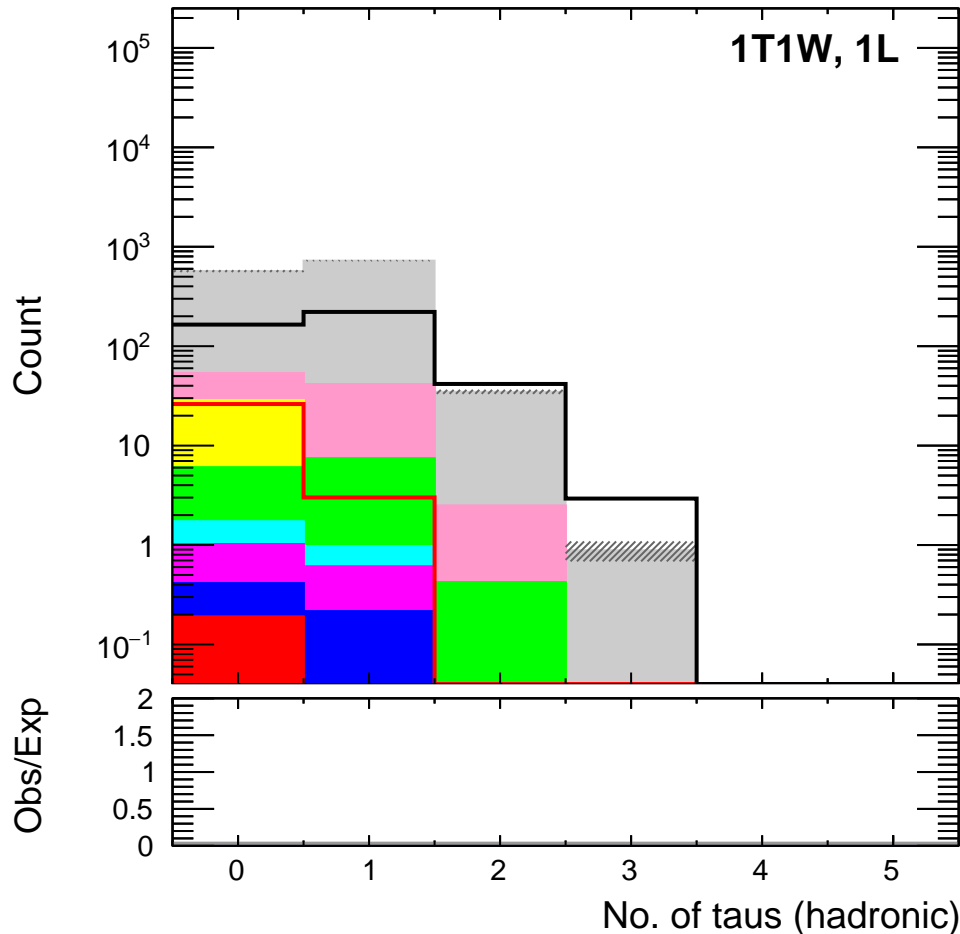- M1Y0pt01TLTL [4.306e+02]

Obs/Exp: 0.00 Exp: 1.330e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [2.267e+01]
- TTW [1.121e+01]
- TTZ [1.063e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0...]
- M1Y0pt01TLTL [4.306e+02]

**1T1W, 1L**

Count

Obs/Exp

No. of taus (hadronic)

TrigAccept>0&&Event_IsTight>0&&PassMETFilters>0&&PassLumiJsonFilter>0&&LightLepton_N>0&&nOnZ==0 && PassSelections && Category==4

**1T1W, 1L**

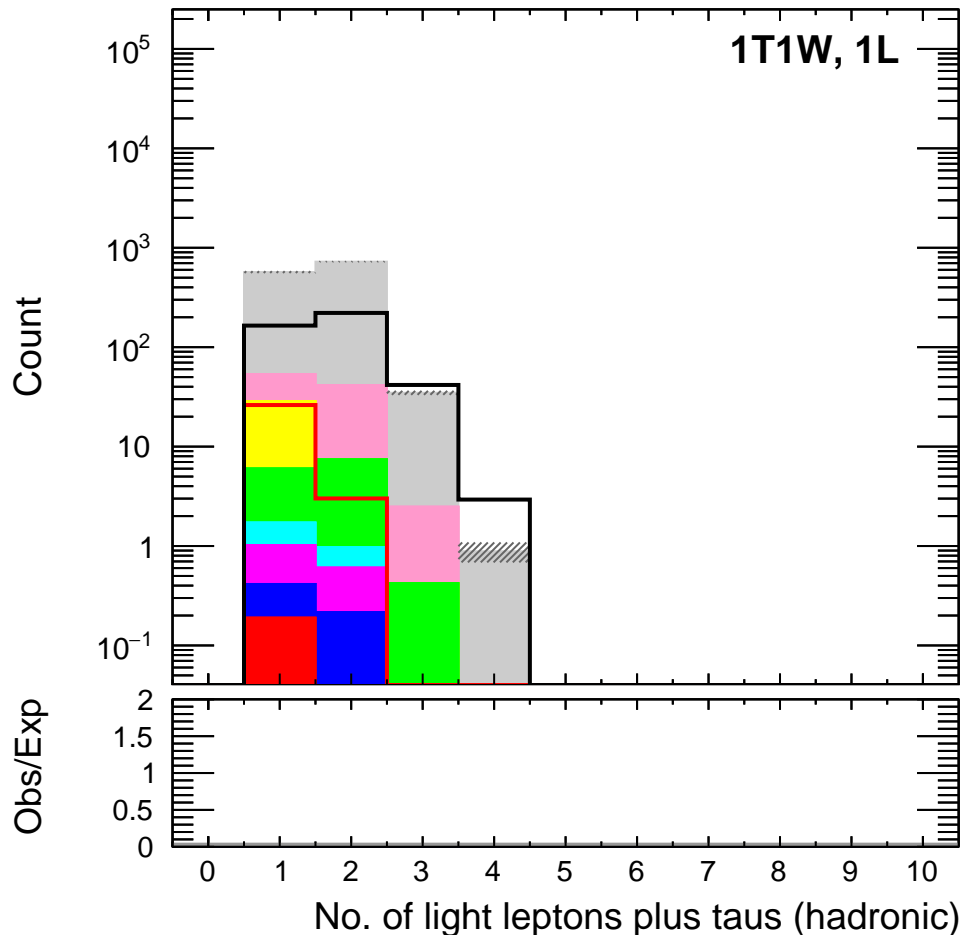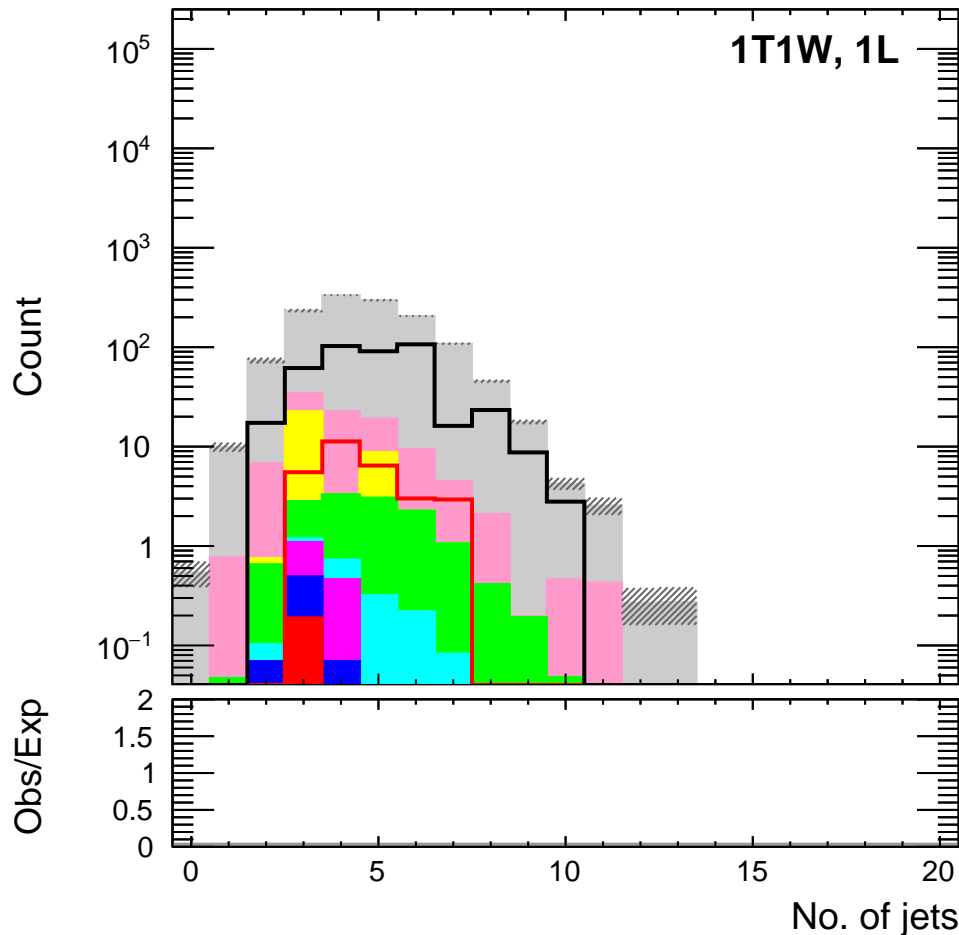Obs/Exp: 0.00 Exp: 1.330e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [2.267e+01]
- TTW [1.121e+01]
- TTZ [1.063e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

Count

Obs/Exp

No. of light leptons plus taus (hadronic)

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.333e+03
- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [2.560e+01]
- TTW [1.121e+01]
- TTZ [1.053e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0...]
- M1Y0pt01TLTL [4.306e+02]

Obs/Exp: 0.00 Exp: 1.330e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [2.272e+01]
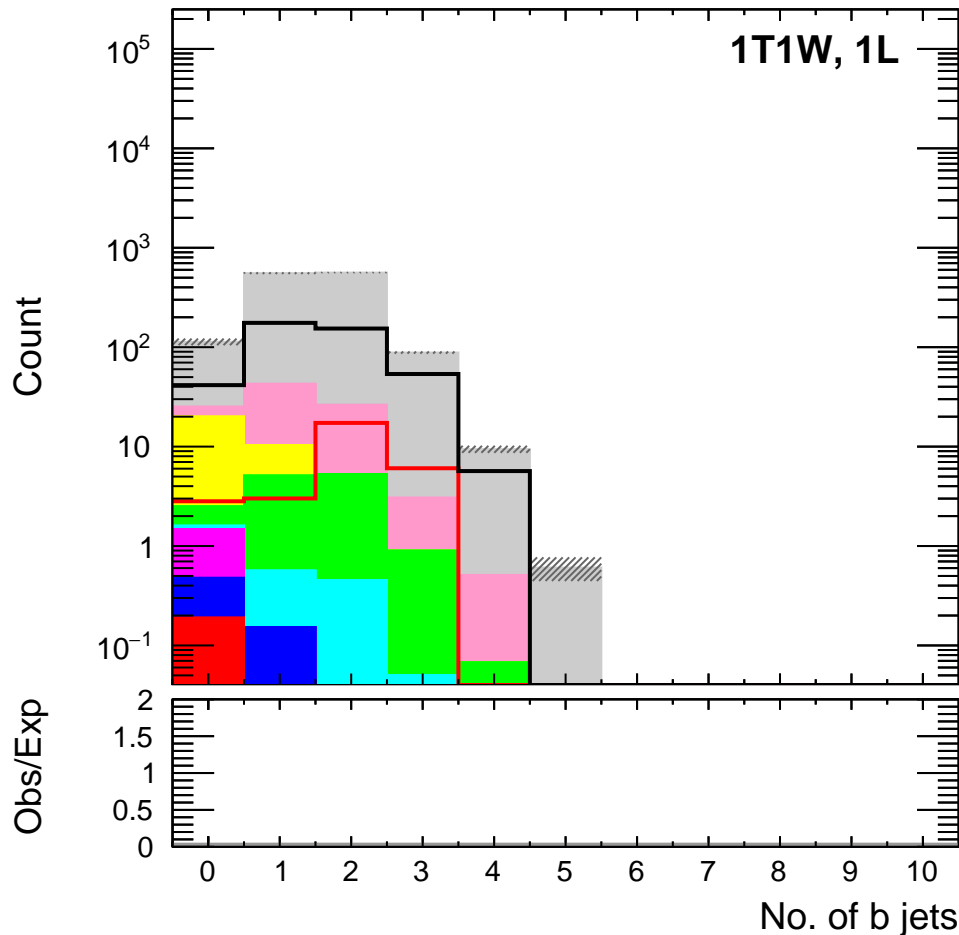- TTW [1.121e+01]
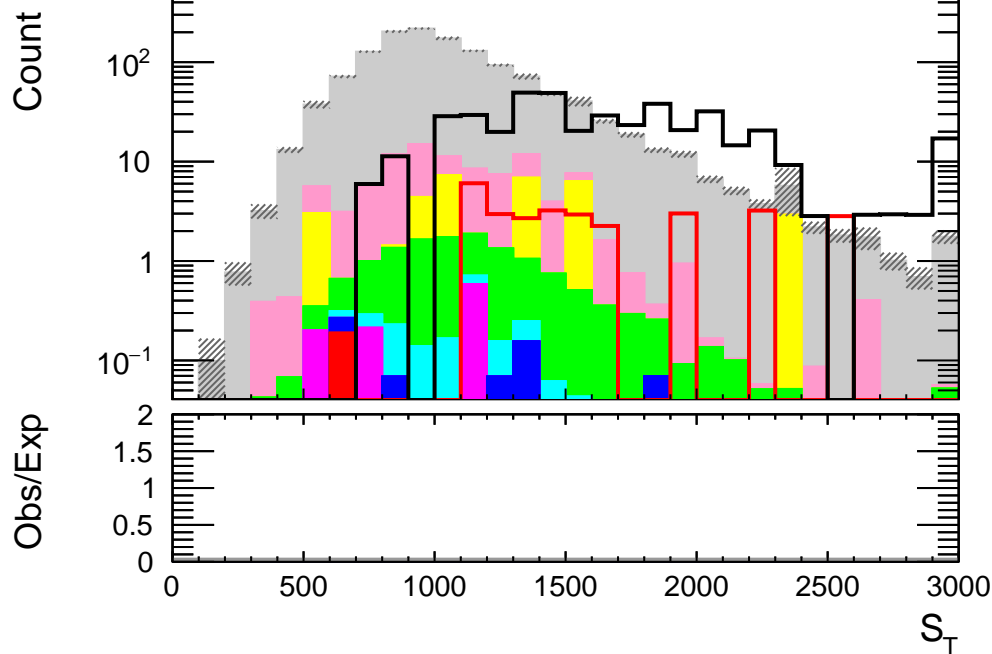- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

Obs/Exp: 0.00 Exp: 1.333e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [2.563e+01]
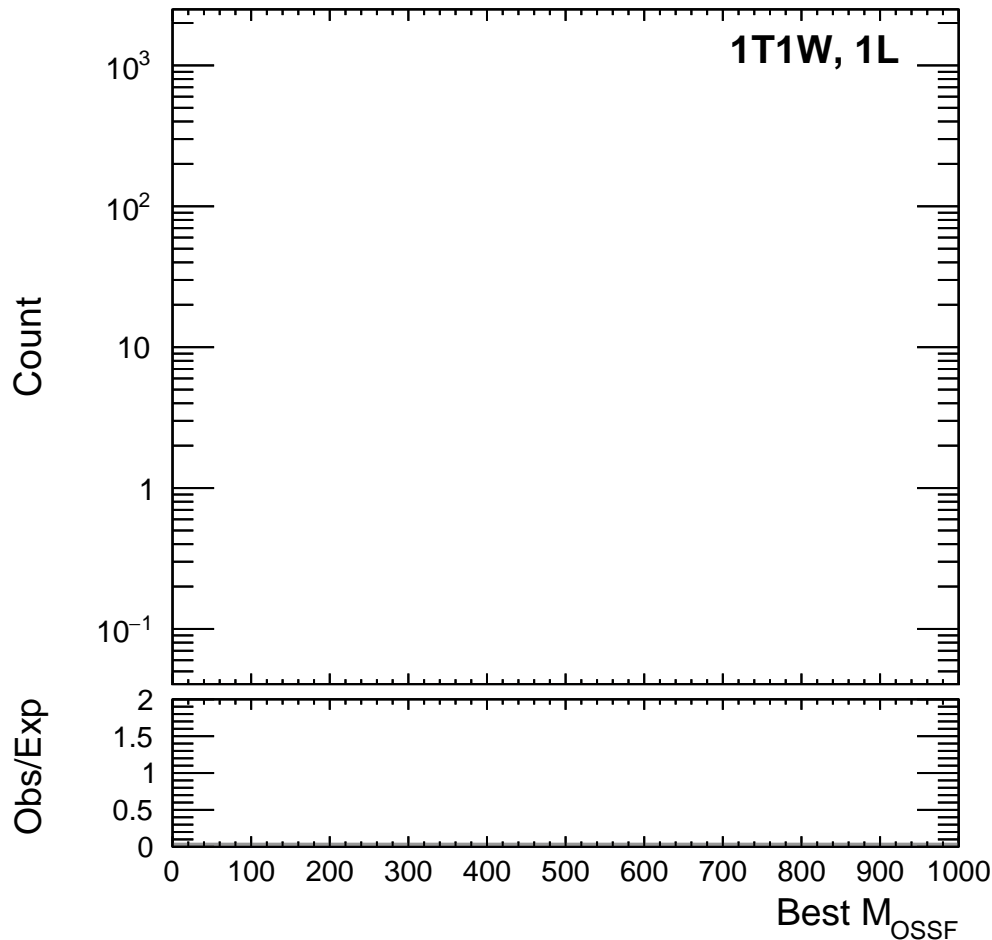- TTW [1.121e+01]
- TTZ [1.065e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0...]
- M1Y0pt01TLTL [4.306e+02]

**1T1W, 1L**

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

- TTPOW [0.000e+00]
- ST [0.000e+00]
- DY [0.000e+00]
- TTW [0.000e+00]
- TTZ [0.000e+00]
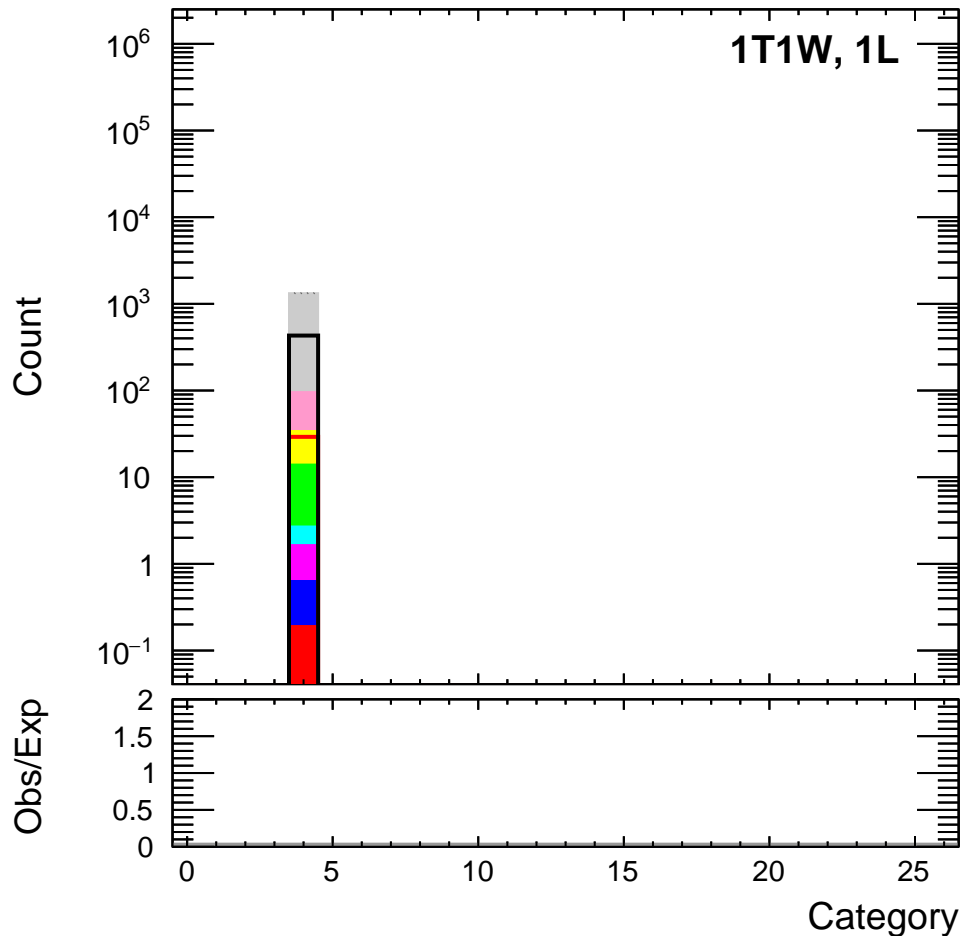- WZ [0.000e+00]
- WW [0.000e+00]
- ZZ [0.000e+00]
- Uncertainty
- M1Y0pt01TLQ5L [0.000e+00]
- M1Y0pt01TLTL [0.000e+00]

Count

Obs/Exp

Best $M_{OSSF}$

TrigAccept>0&&Event_IsTight>0&&PassMETFilters>0&&PassLumiJsonFilter>0&&LightLepton_N>0&&nOnZ==0 && PassSelections && Category==4

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03

- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03
- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
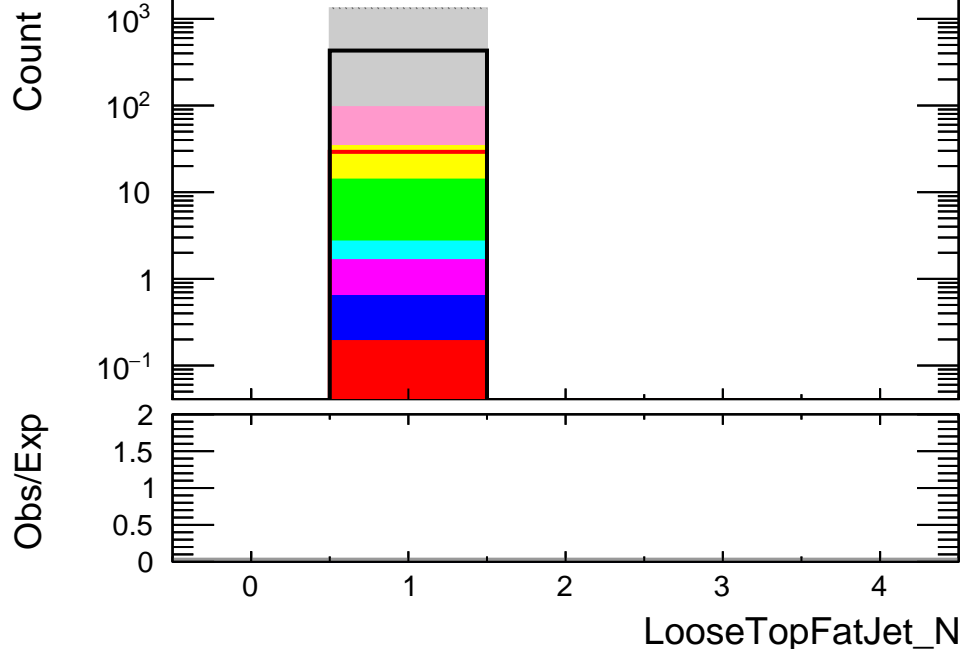- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]

Count

Obs/Exp

LooseTopFatJet_N

TrigAccept>0&&Event_IsTight>0&&PassMETFilters>0&&PassLumiJsonFilter>0&&LightLepton_N>0&&nOnZ==0 && PassSelections && Category==4
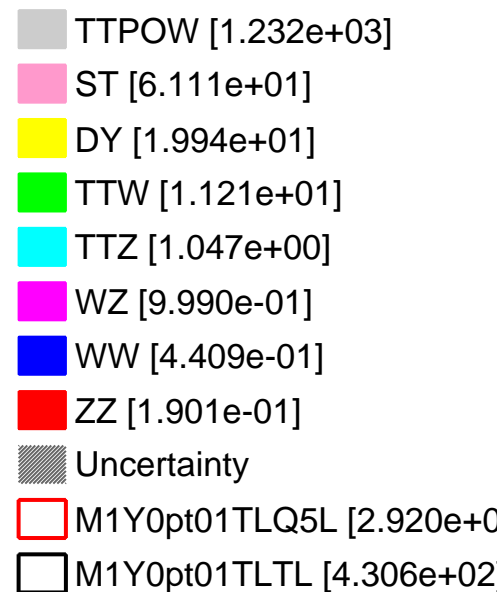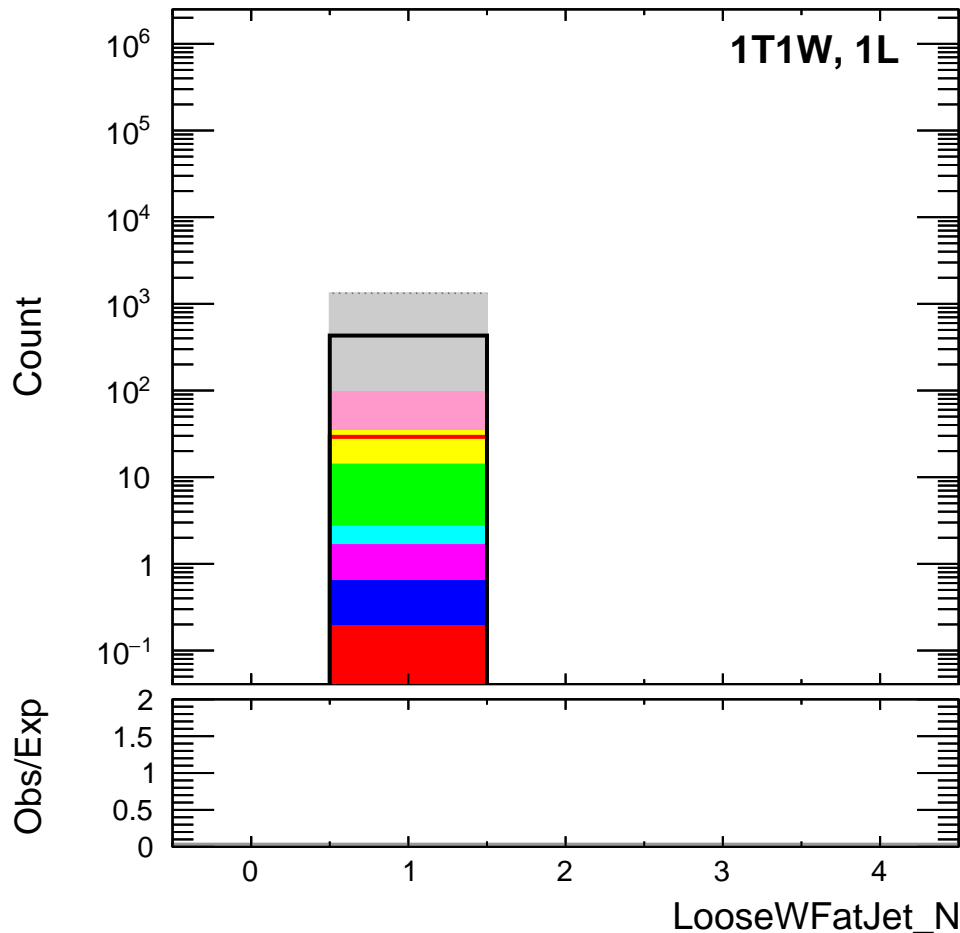
**1T1W, 1L**

Obs/Exp: 0.00 Exp: 1.327e+03
- TTPOW [1.232e+03]
- ST [6.111e+01]
- DY [1.994e+01]
- TTW [1.121e+01]
- TTZ [1.047e+00]
- WZ [9.990e-01]
- WW [4.409e-01]
- ZZ [1.901e-01]
- Uncertainty
- M1Y0pt01TLQ5L [2.920e+0
- M1Y0pt01TLTL [4.306e+02]