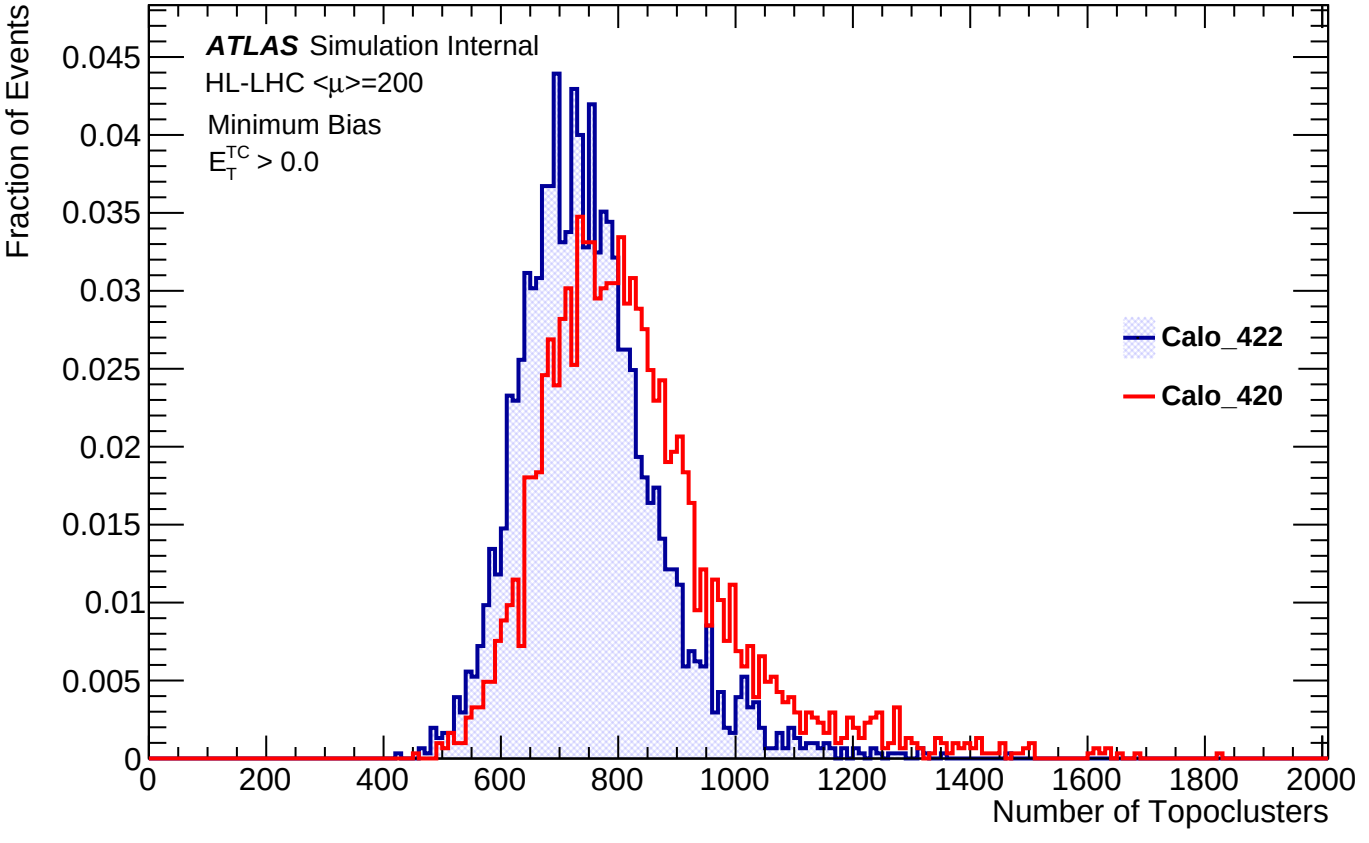
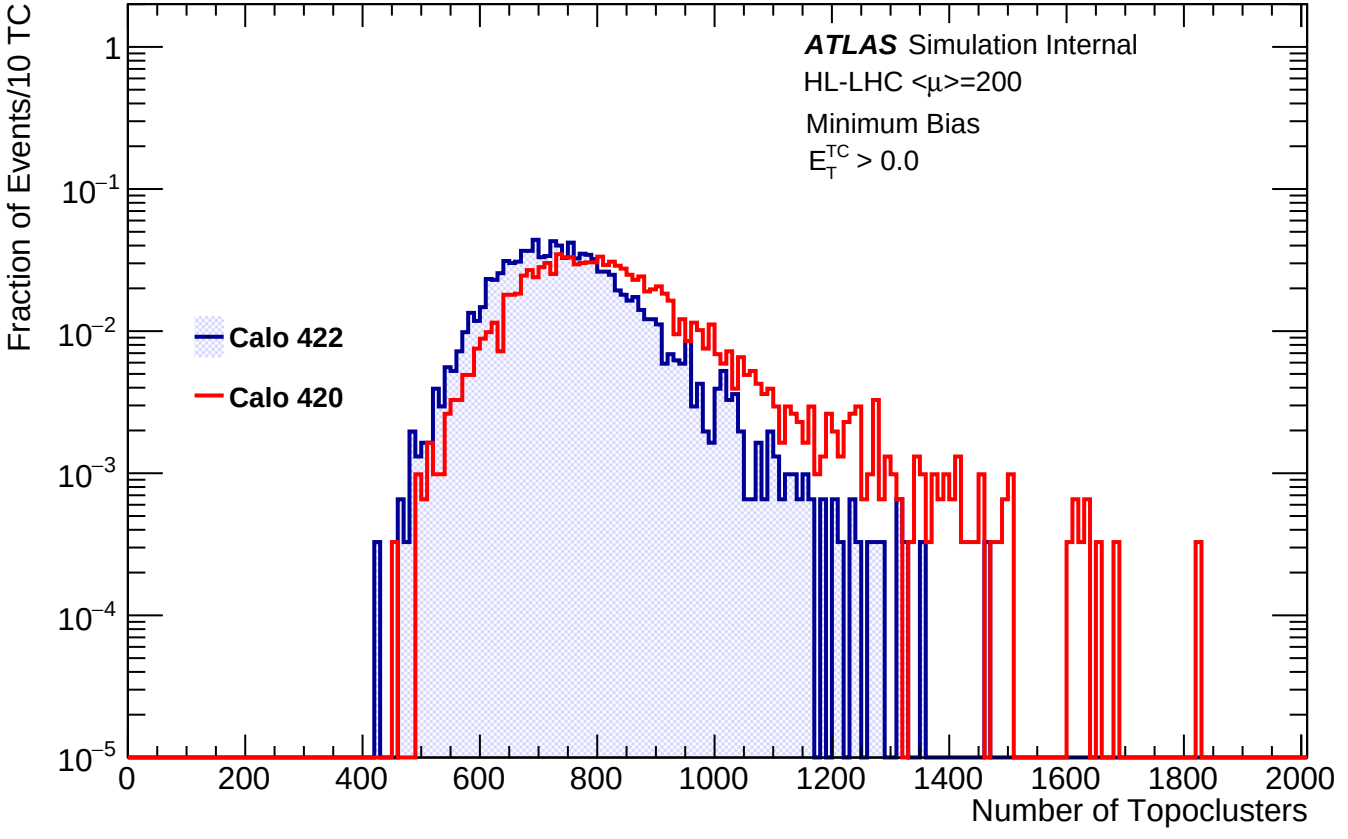
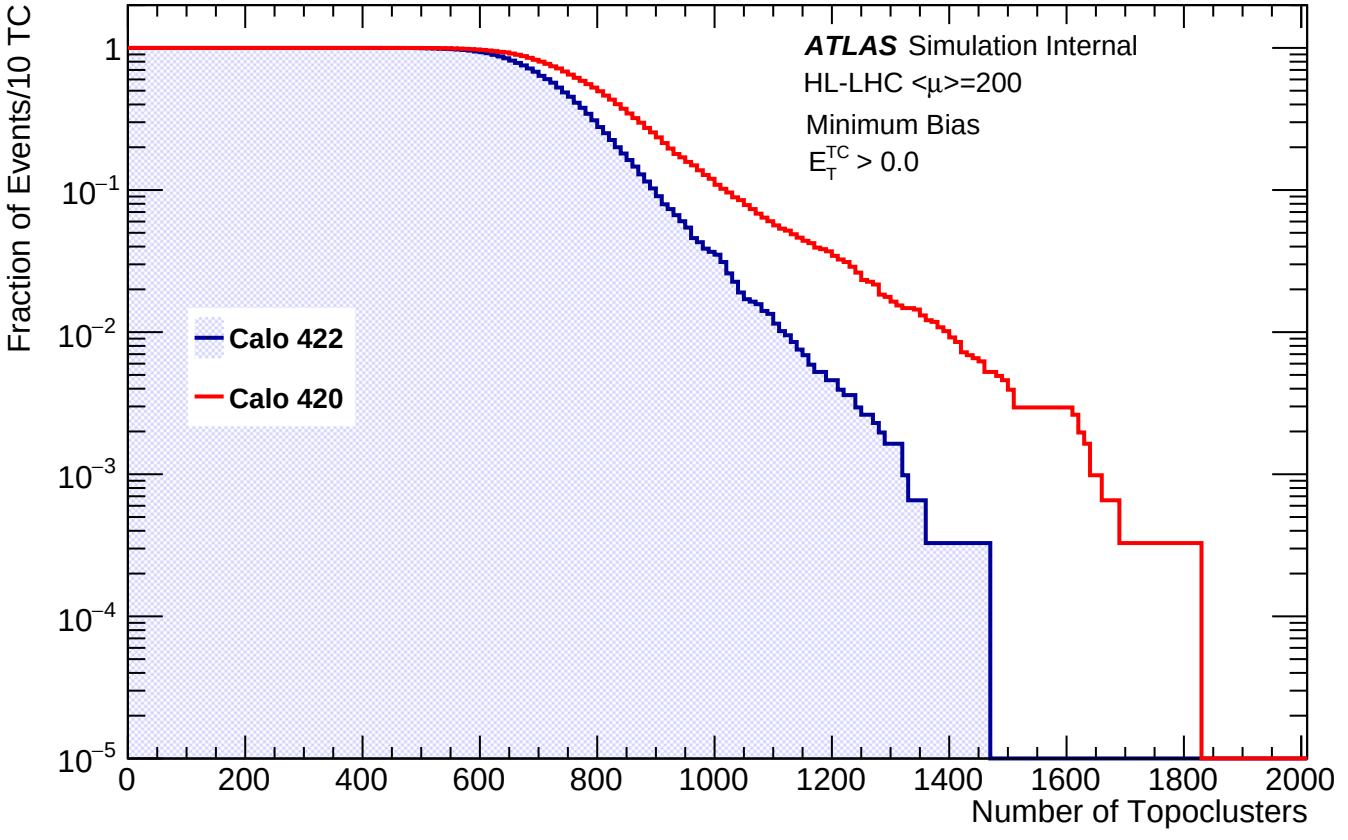
Number of Topoclusters

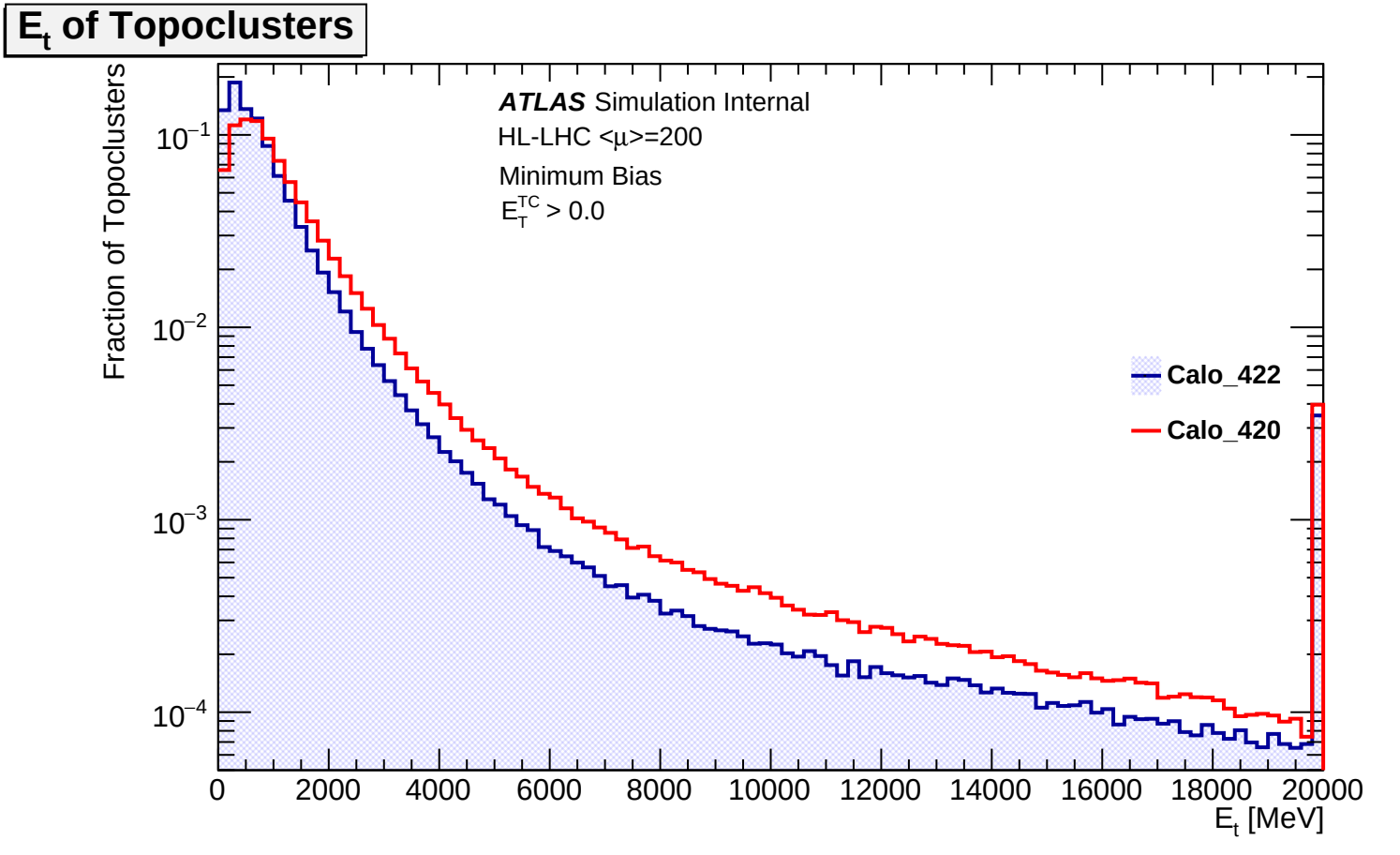


Number of Topoclusters

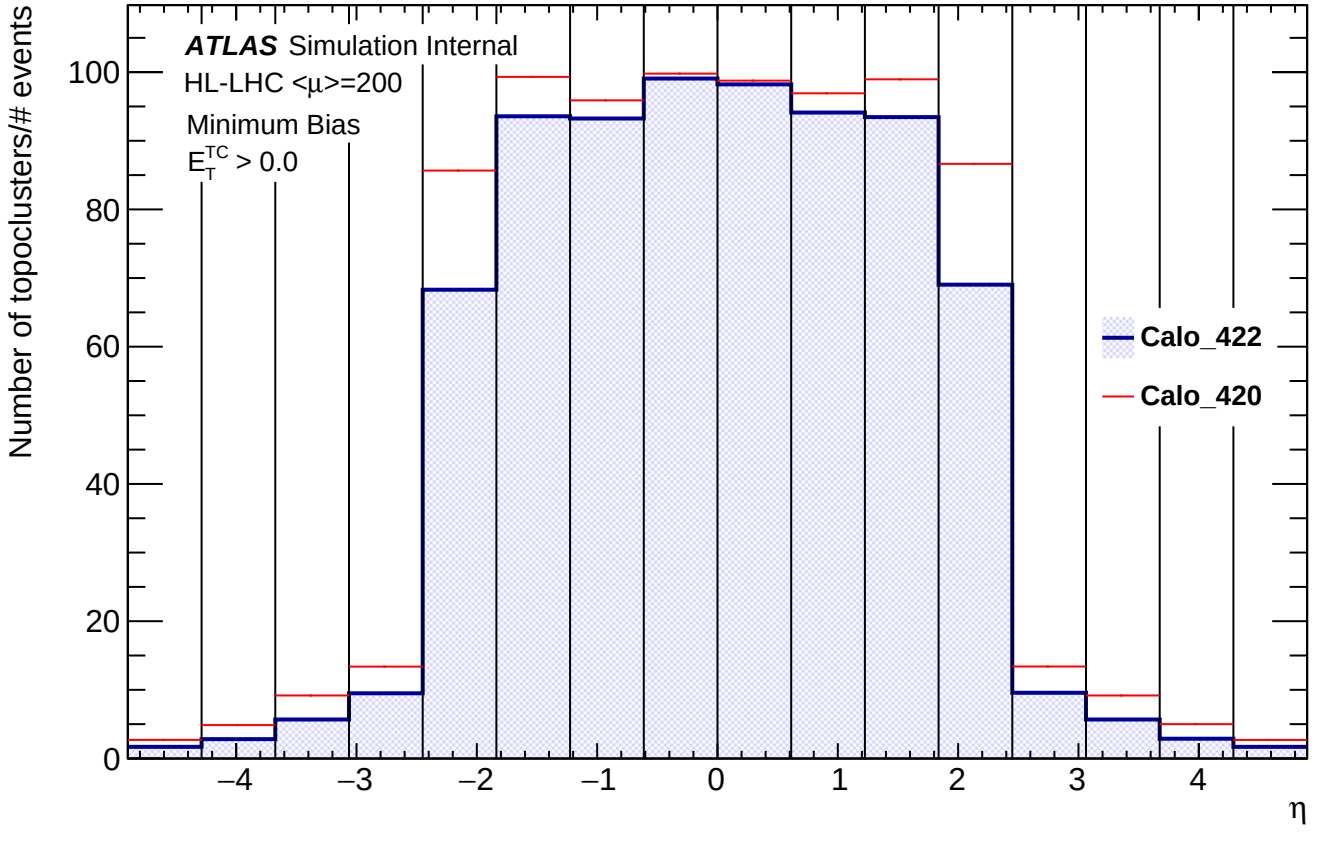


Cumulative Number of Topoclusters

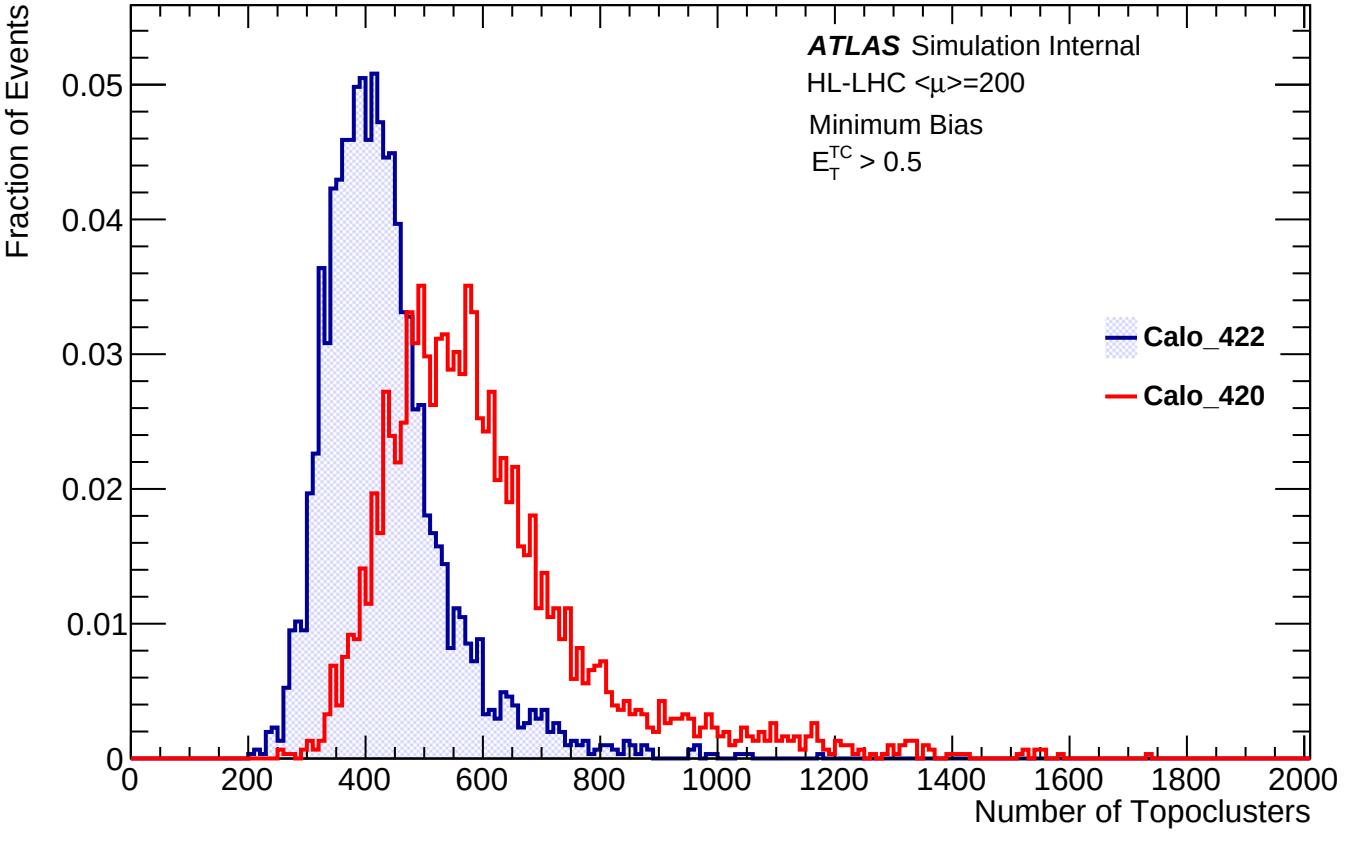



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 0.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

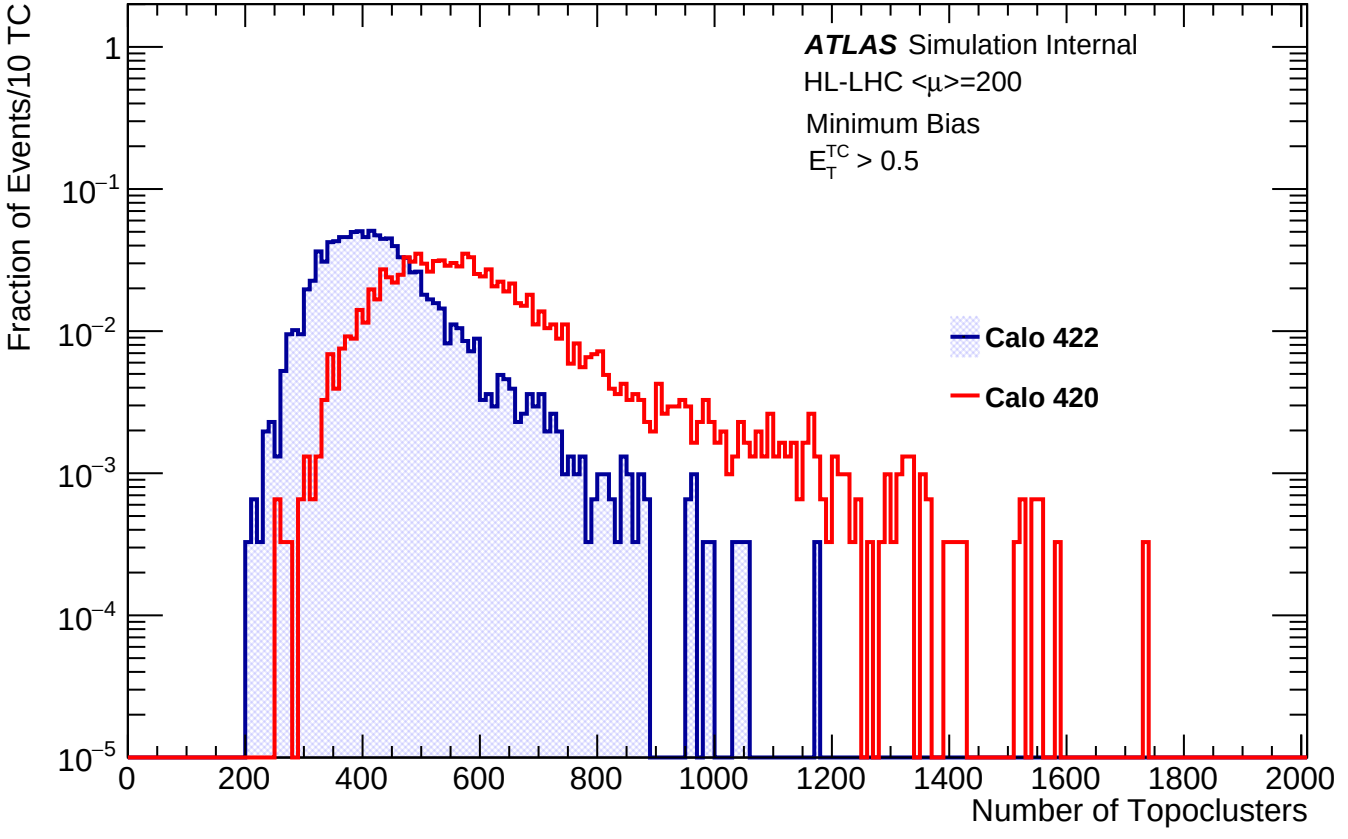
Average number of topoclusters as function of η



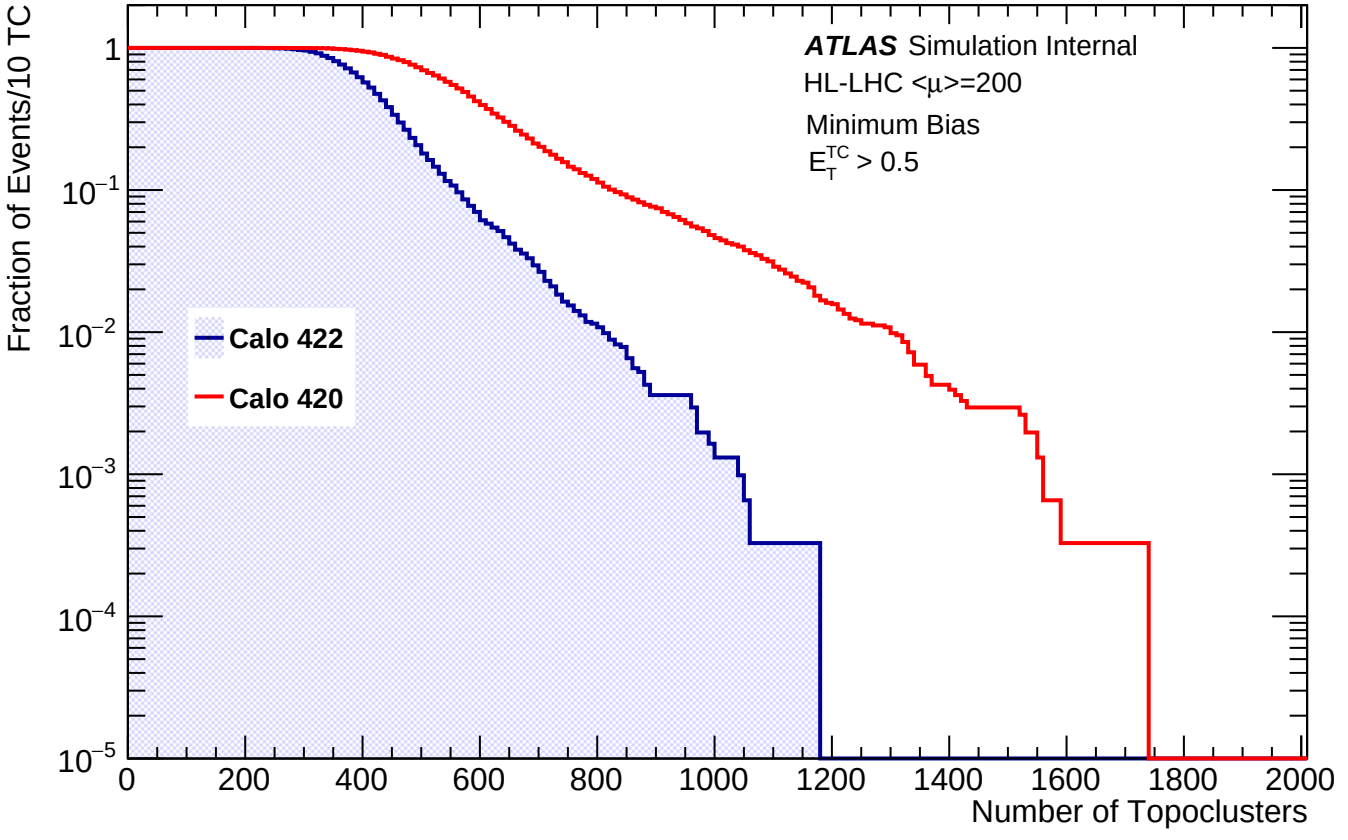
Number of Topoclusters

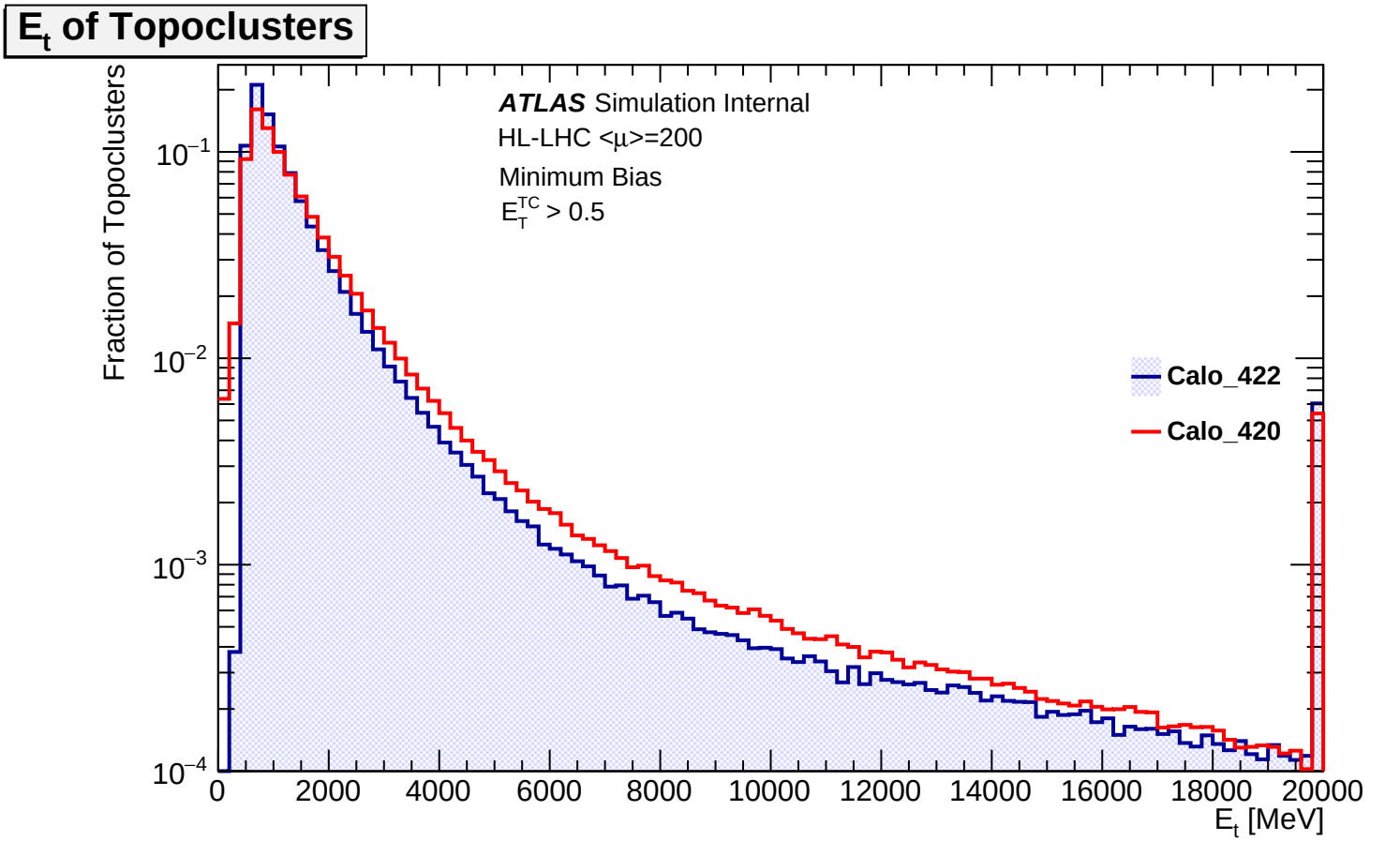


Number of Topoclusters

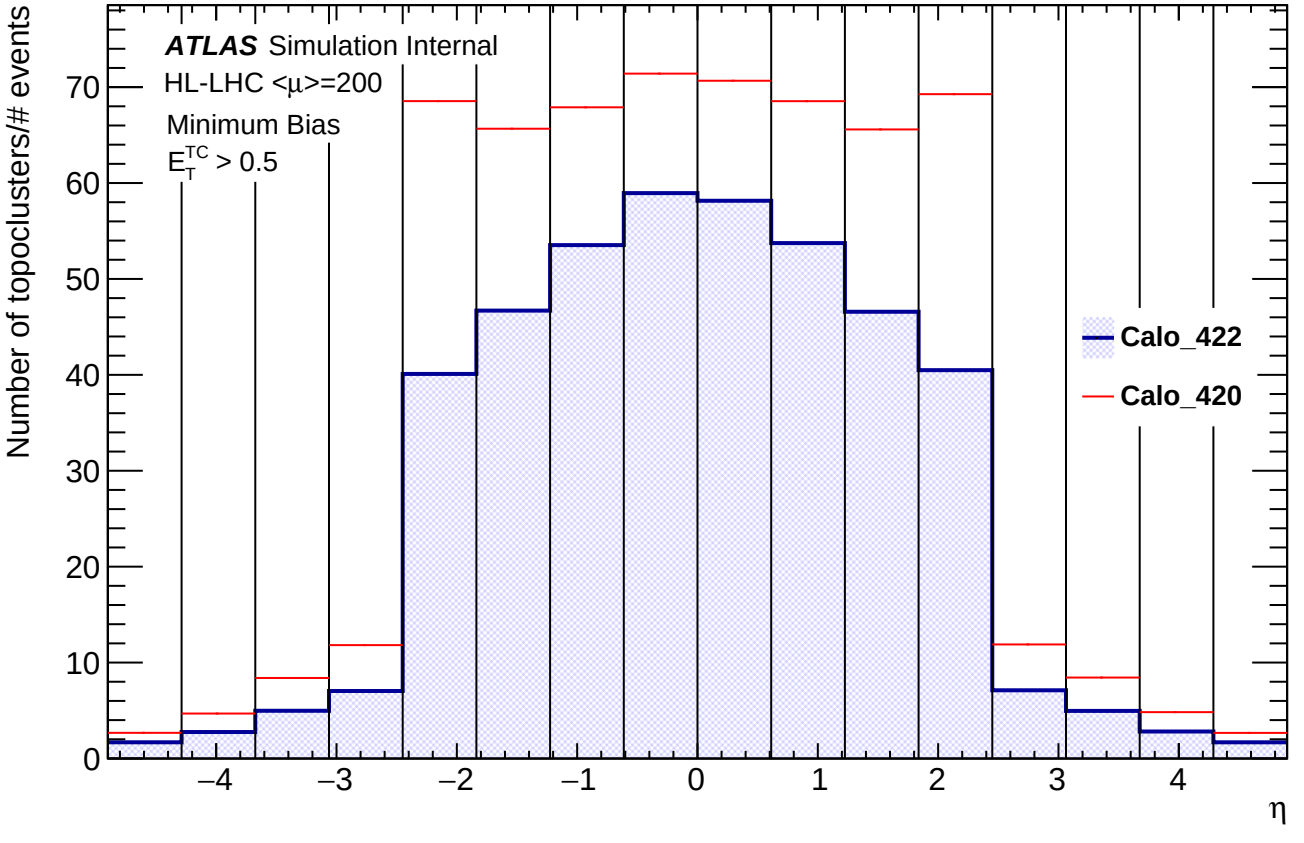


Cumulative Number of Topoclusters

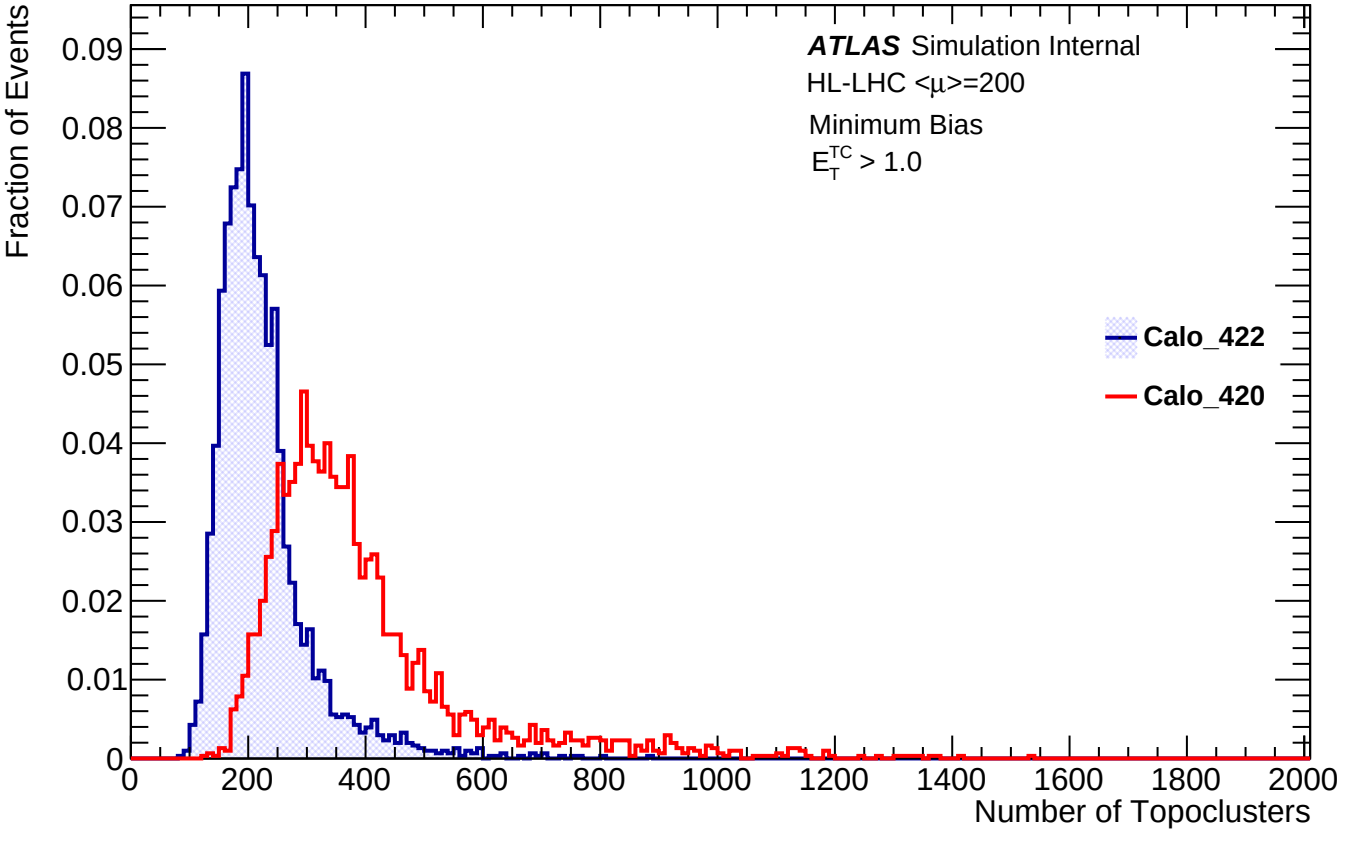



E_t of Topoclusters
Fraction of Topoclusters
10^{-1}
10^{-2}
10^{-3}
10^{-4}
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
$E_T^{TC} > 0.5$
Calo_422
Calo_420
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

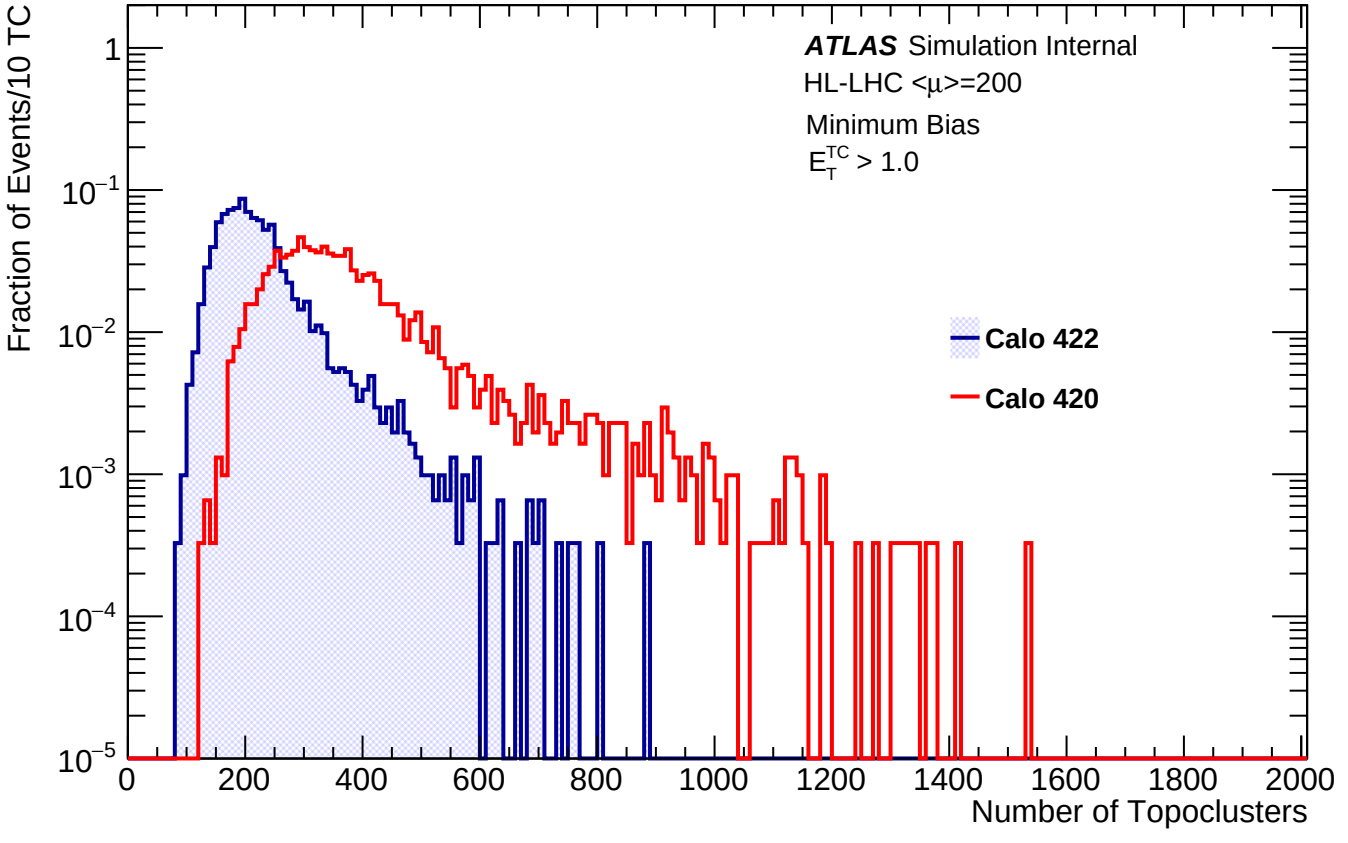
Average number of topoclusters as function of η



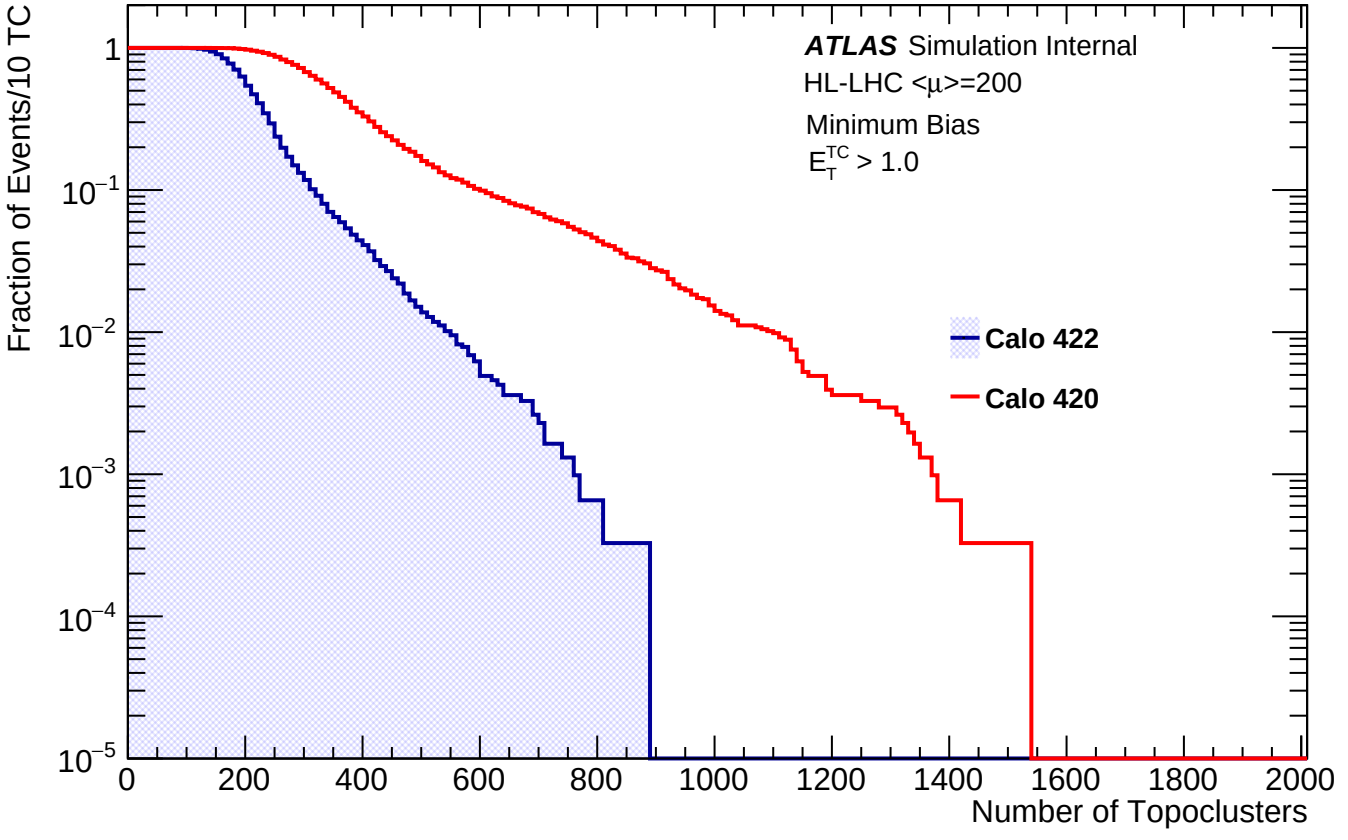
Number of Topoclusters

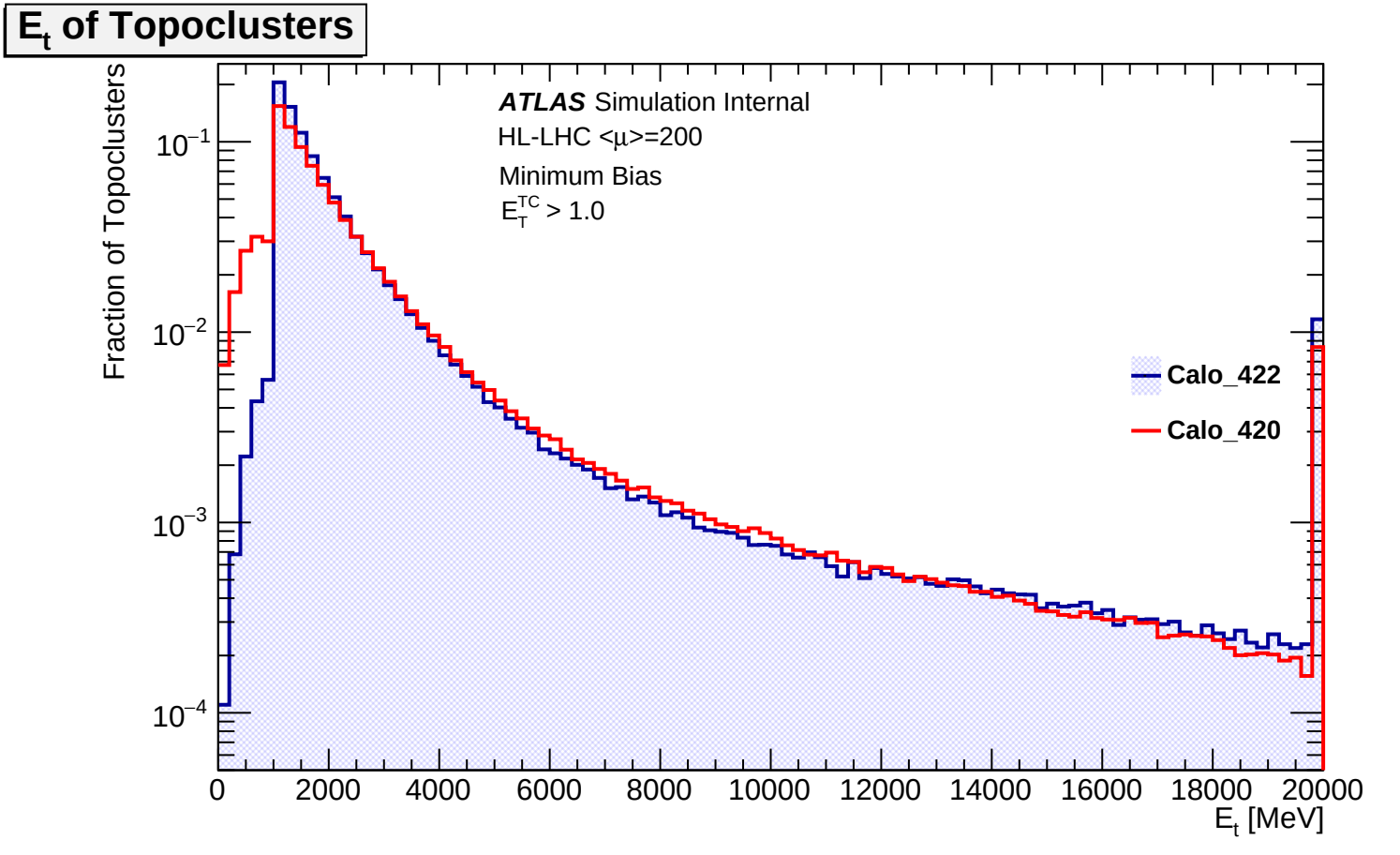


Number of Topoclusters

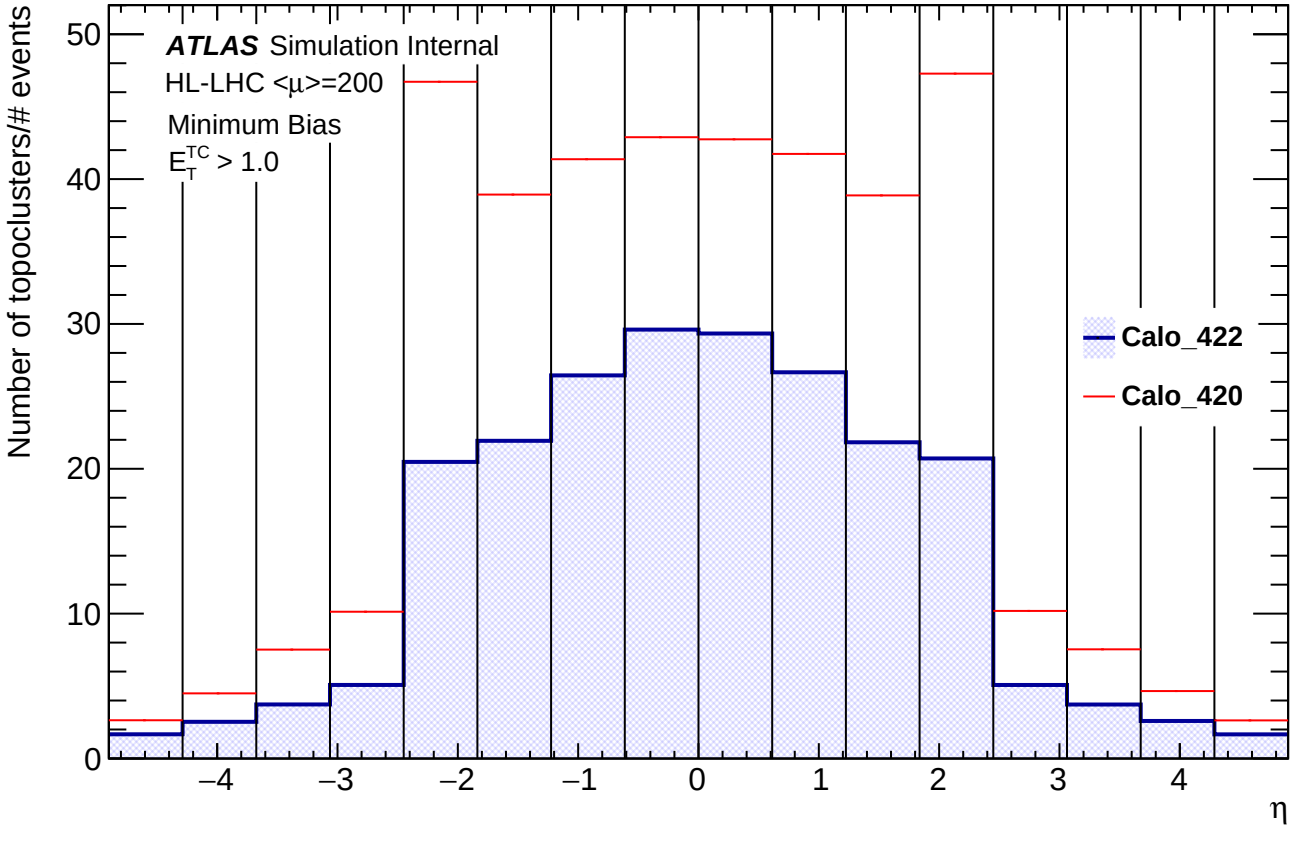


Cumulative Number of Topoclusters

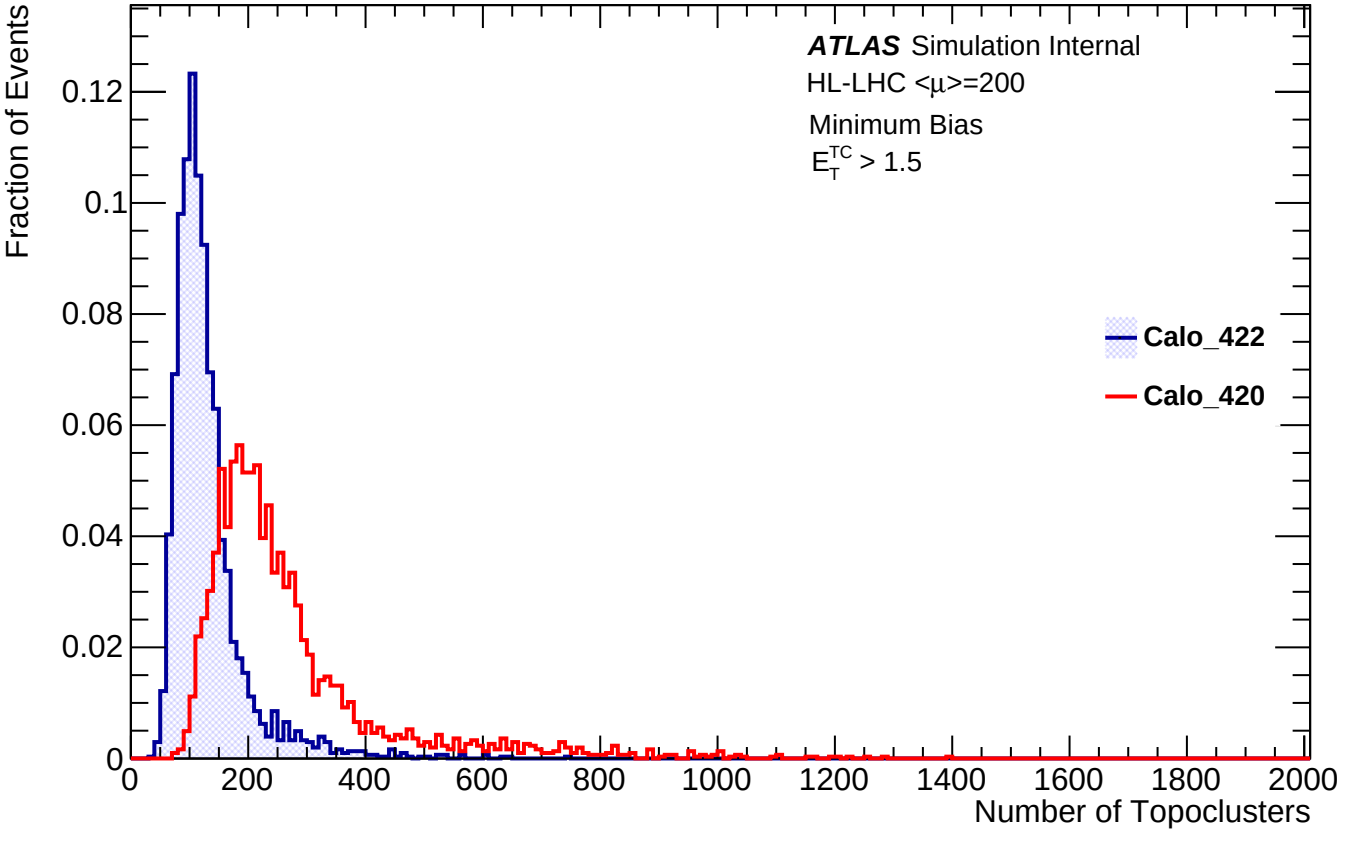



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 1.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

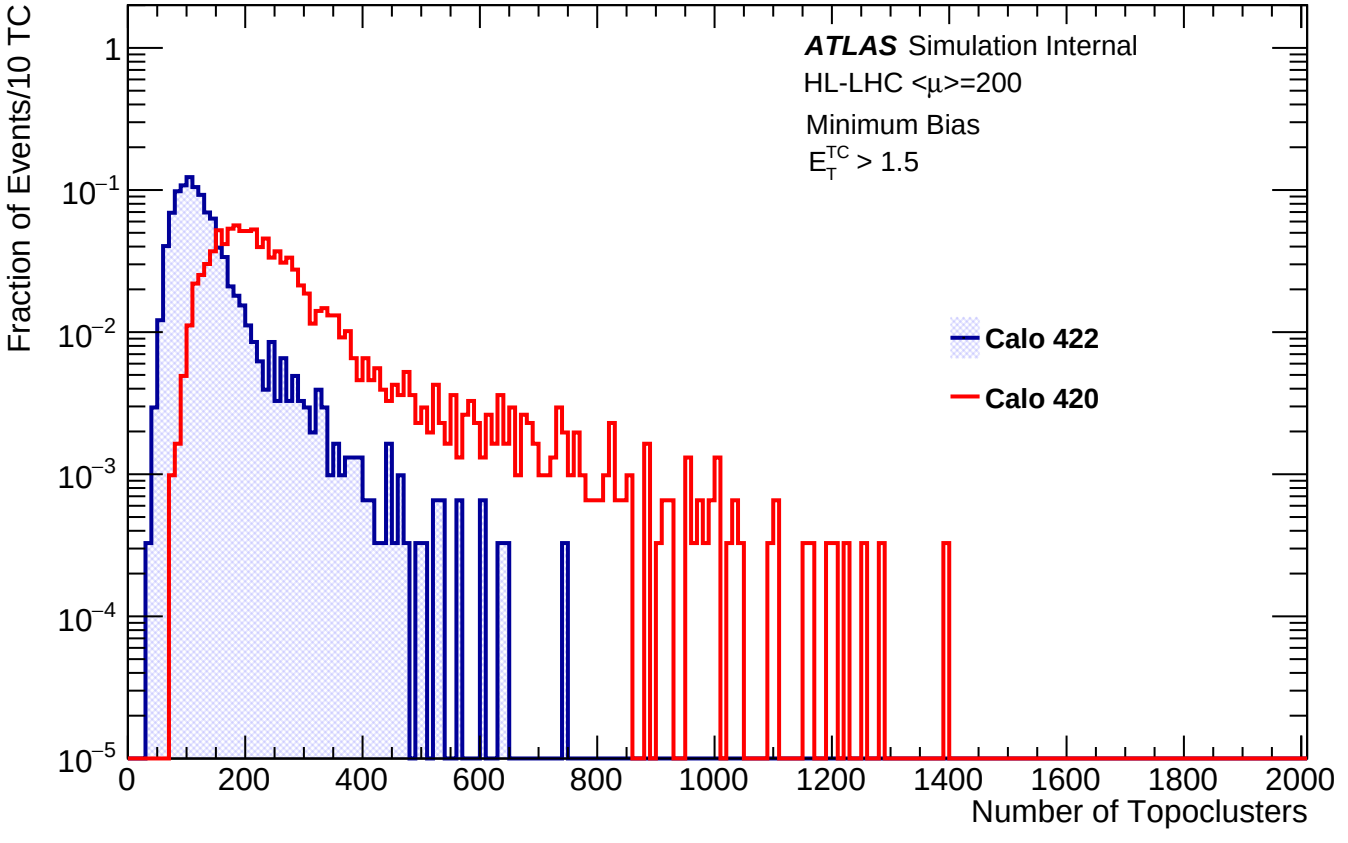
Average number of topoclusters as function of η



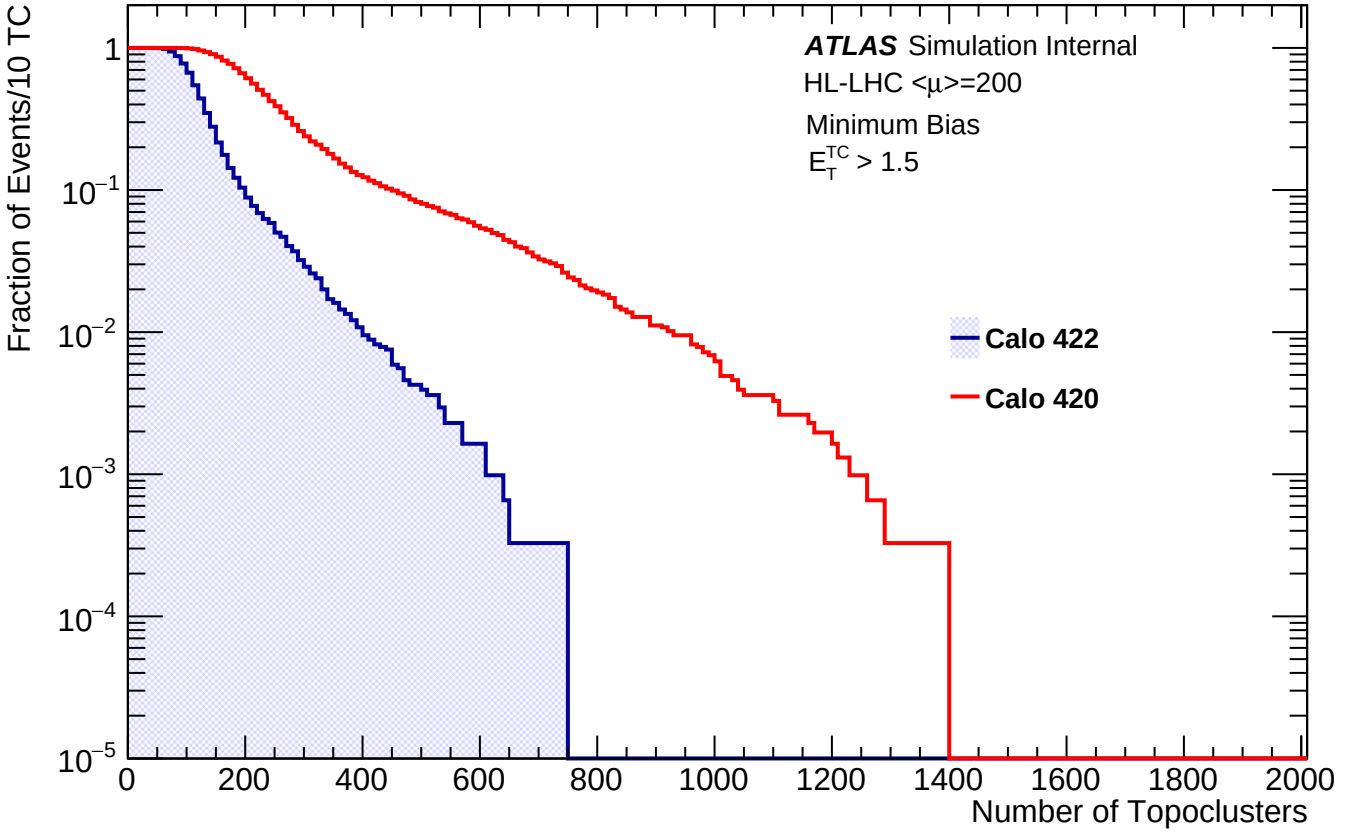
Number of Topoclusters

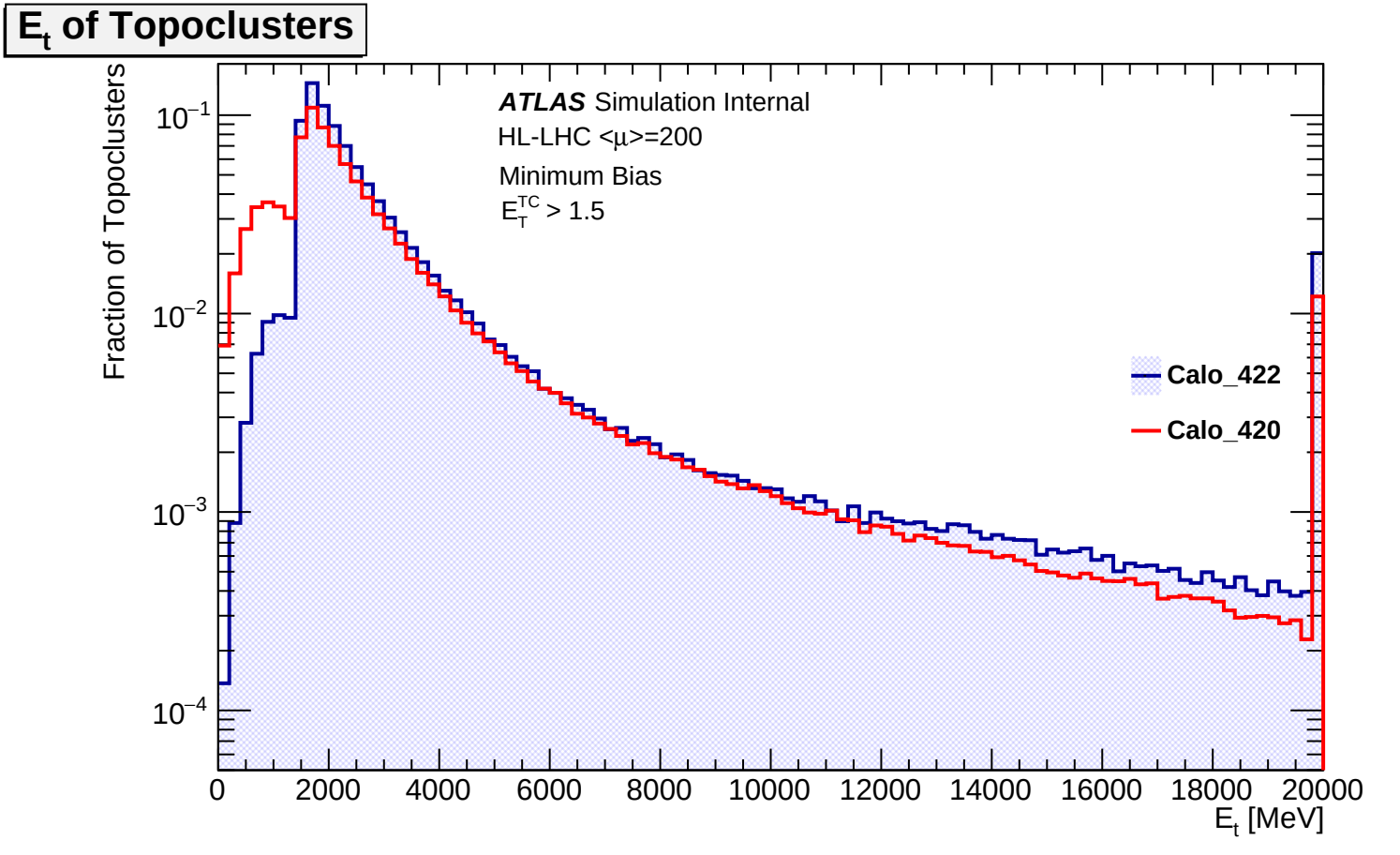


Number of Topoclusters

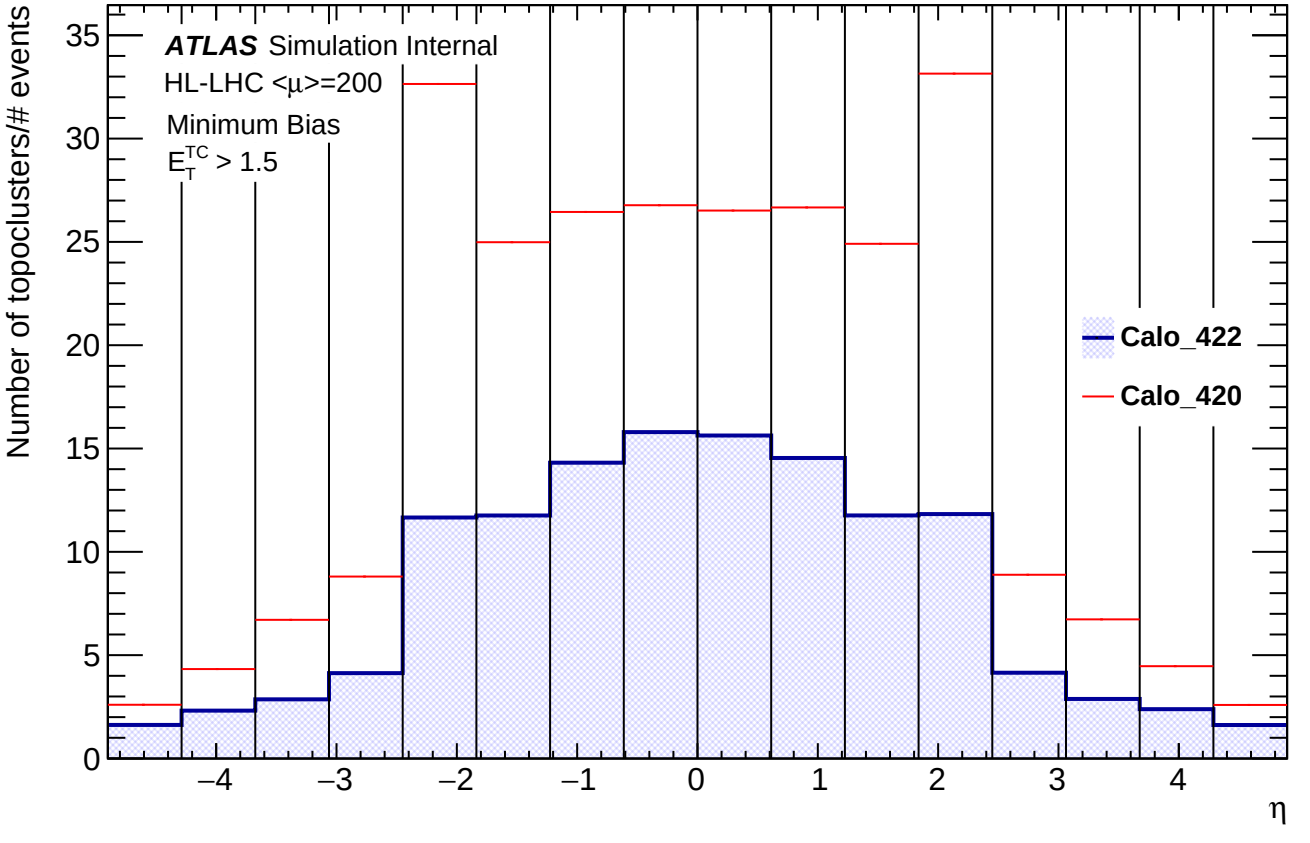


Cumulative Number of Topoclusters

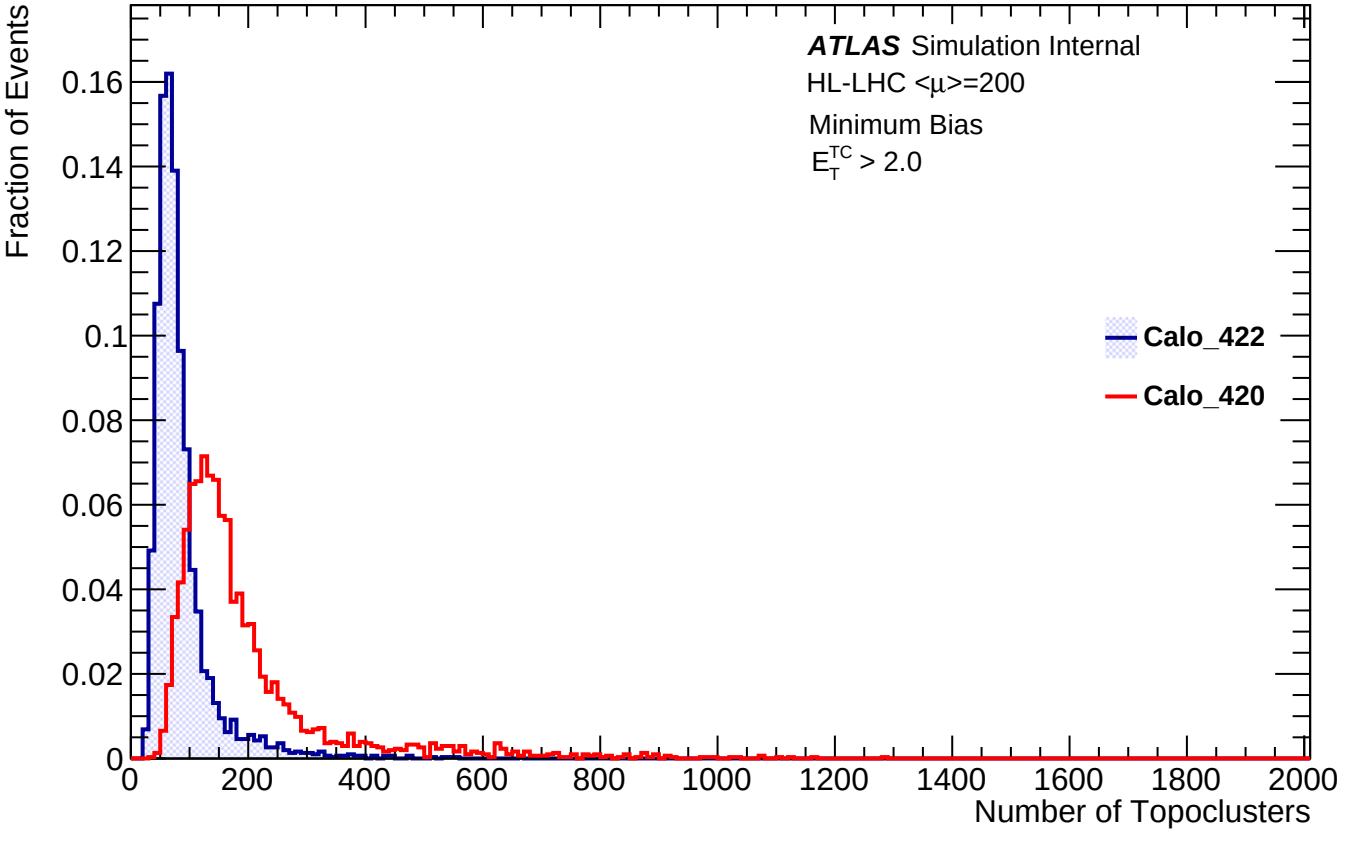



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 1.5
Calo_422
Calo_420
Fraction of Topoclusters
10^−1
10^−2
10^−3
10^−4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

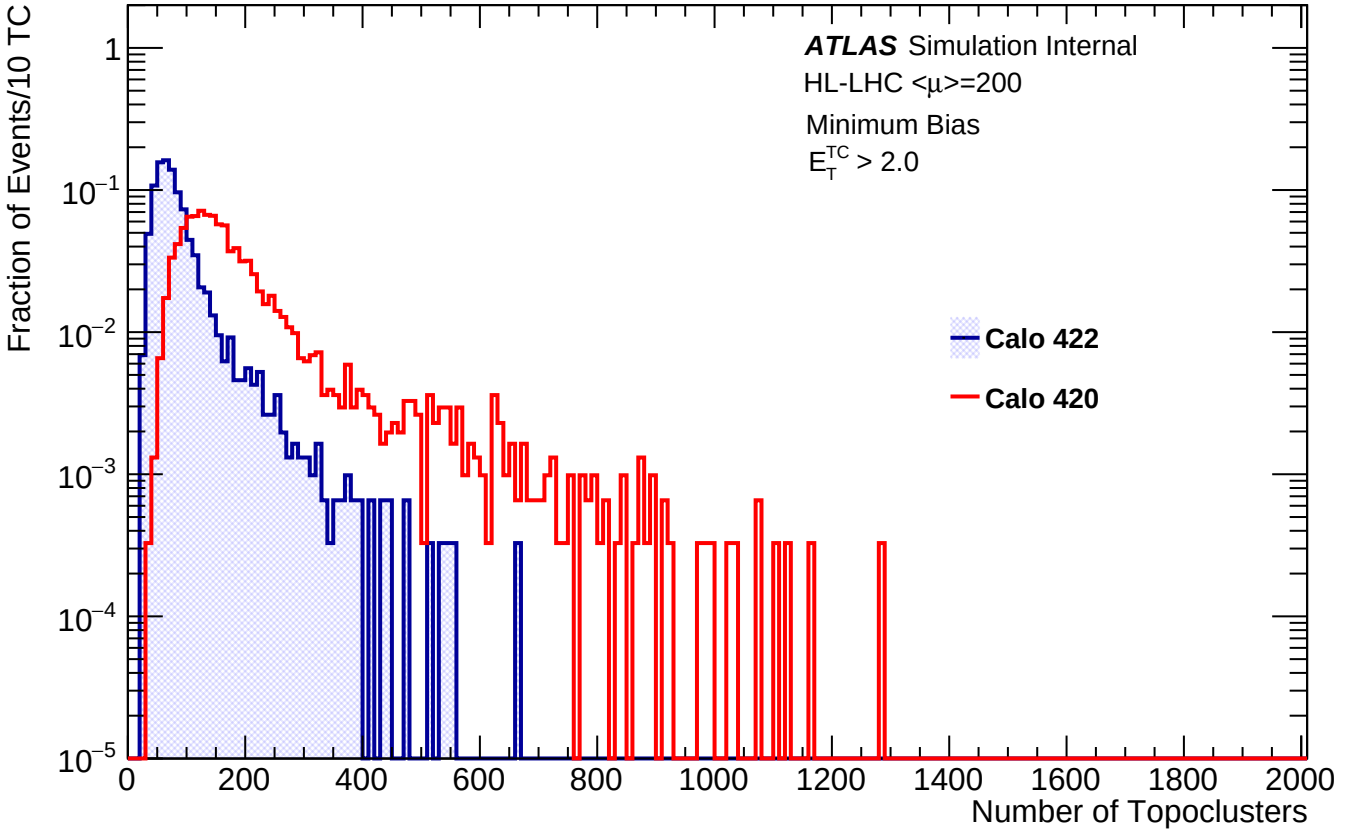
Average number of topoclusters as function of η



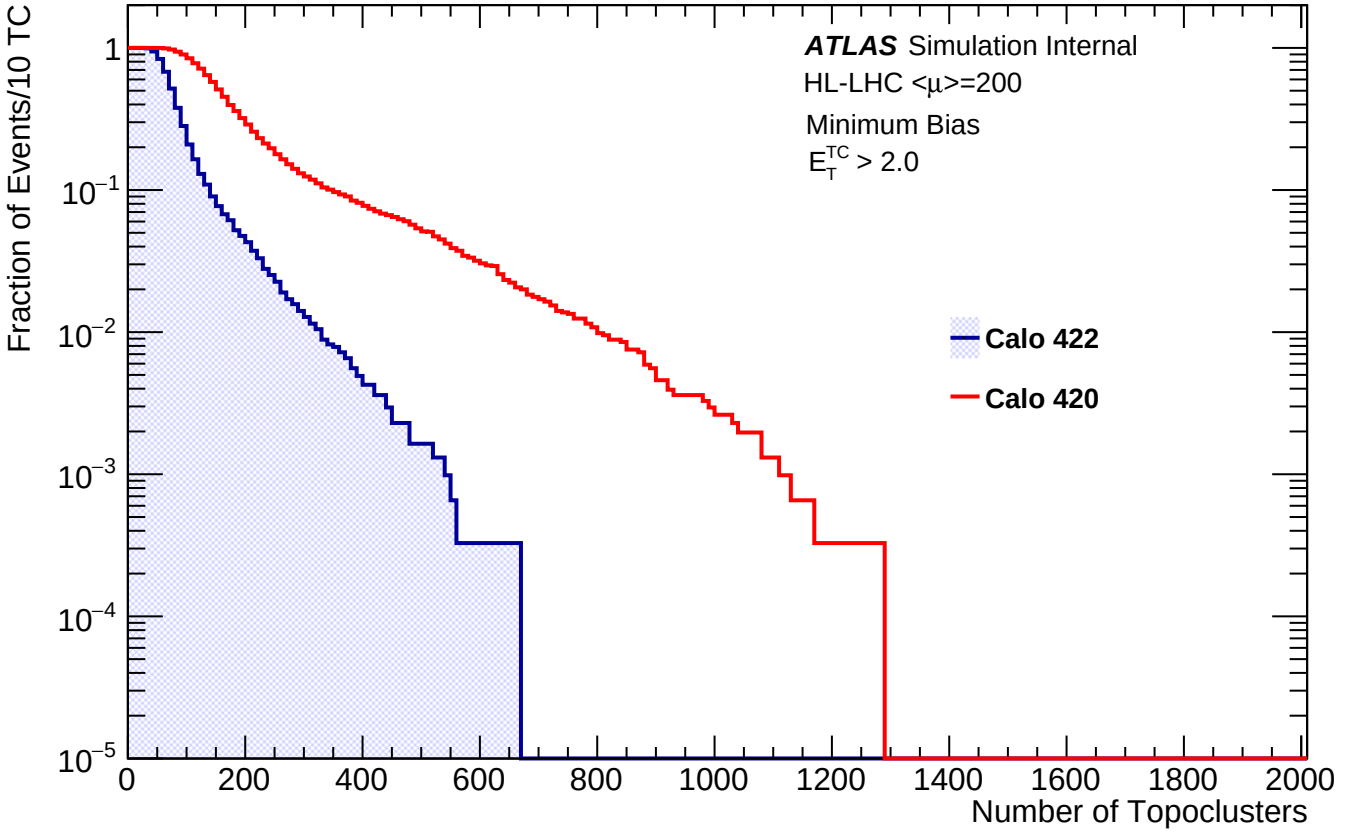
Number of Topoclusters

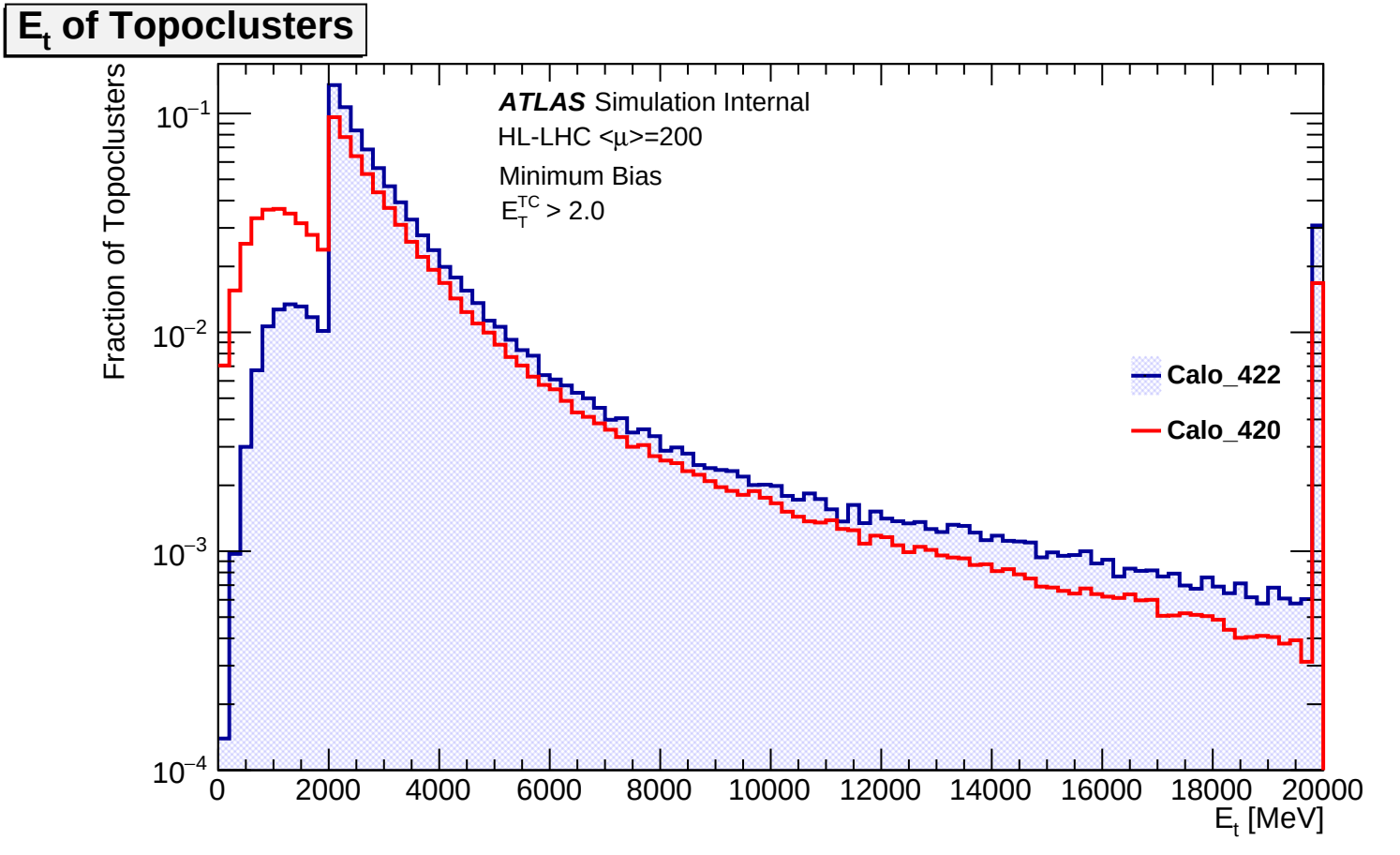


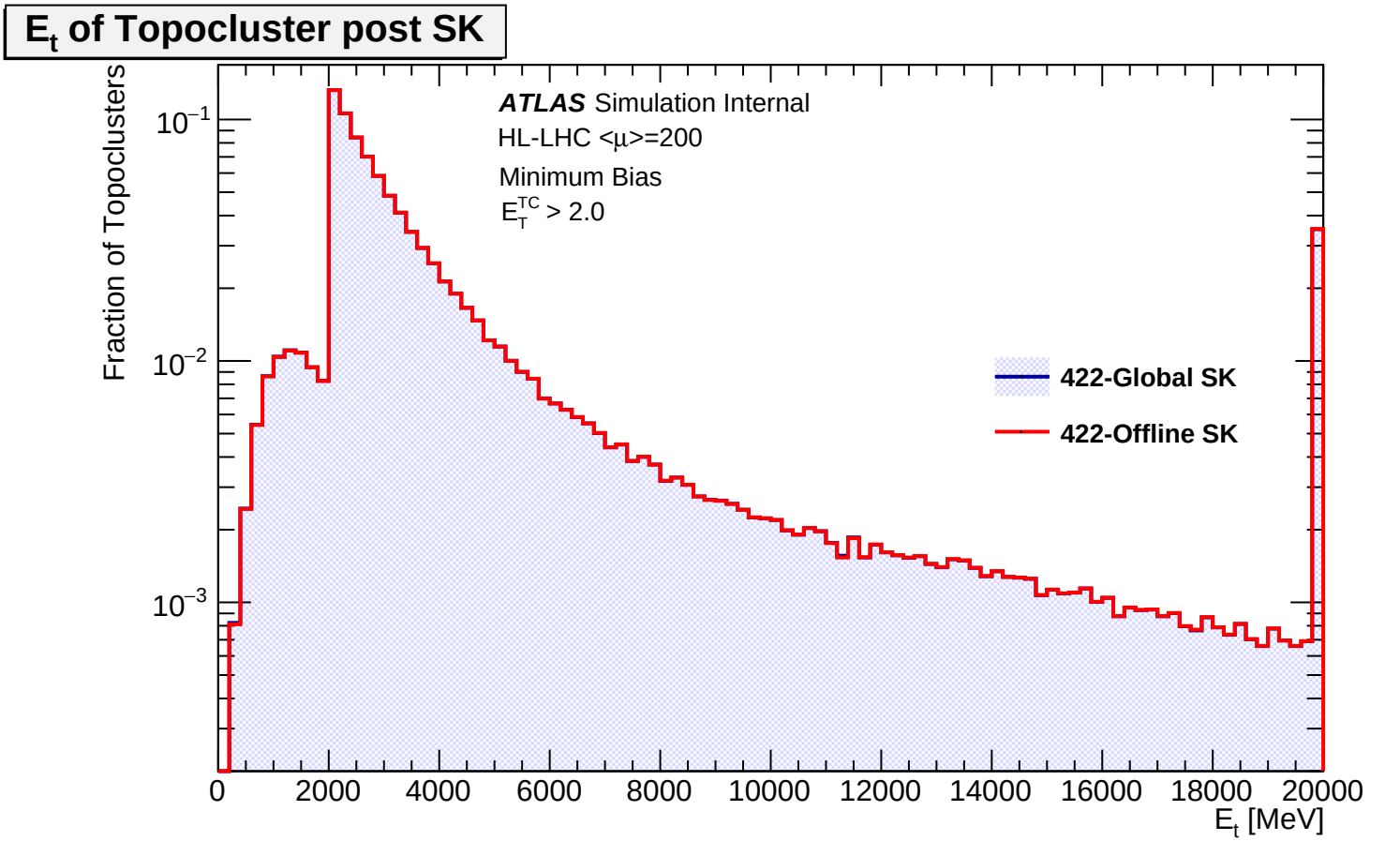
Number of Topoclusters



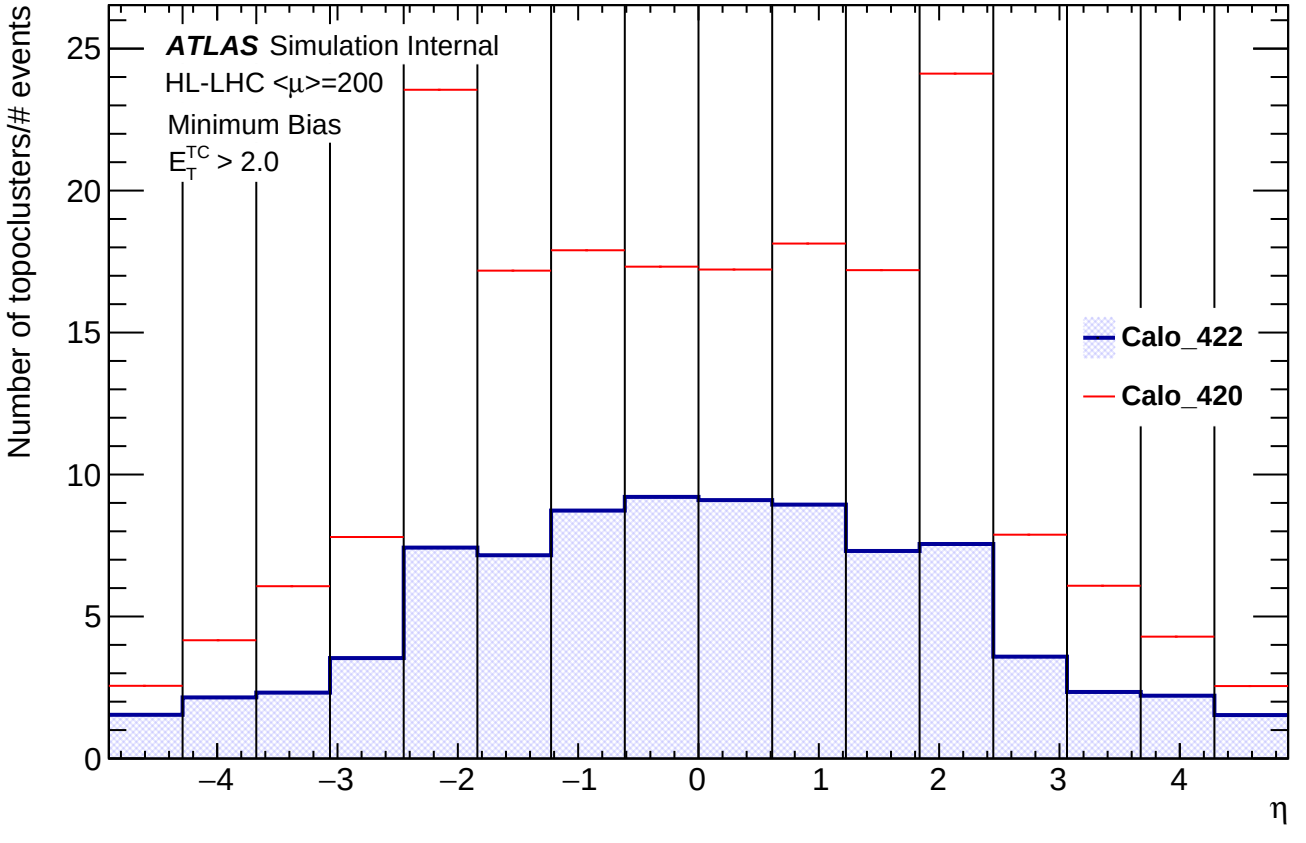
Cumulative Number of Topoclusters

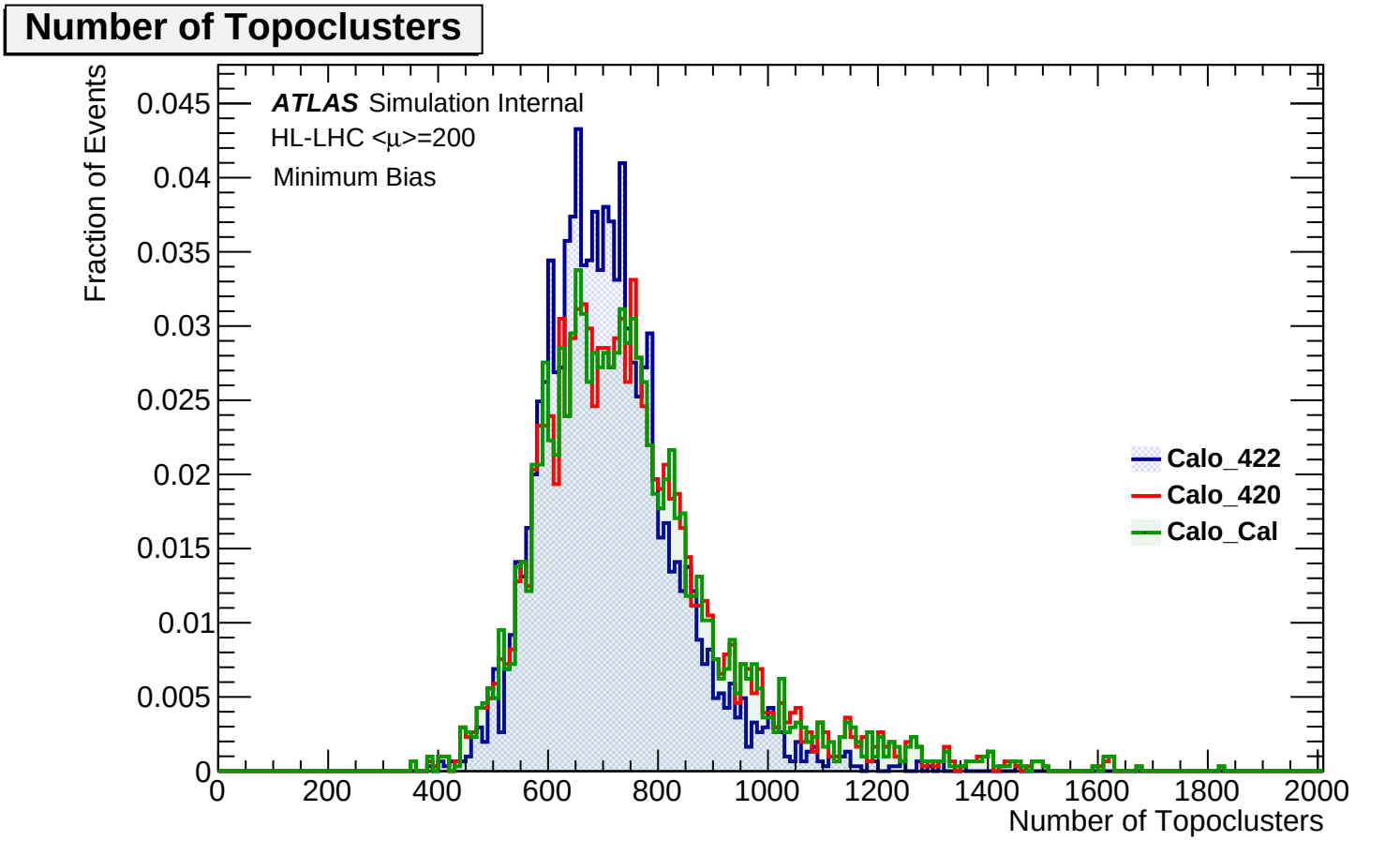



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 2.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

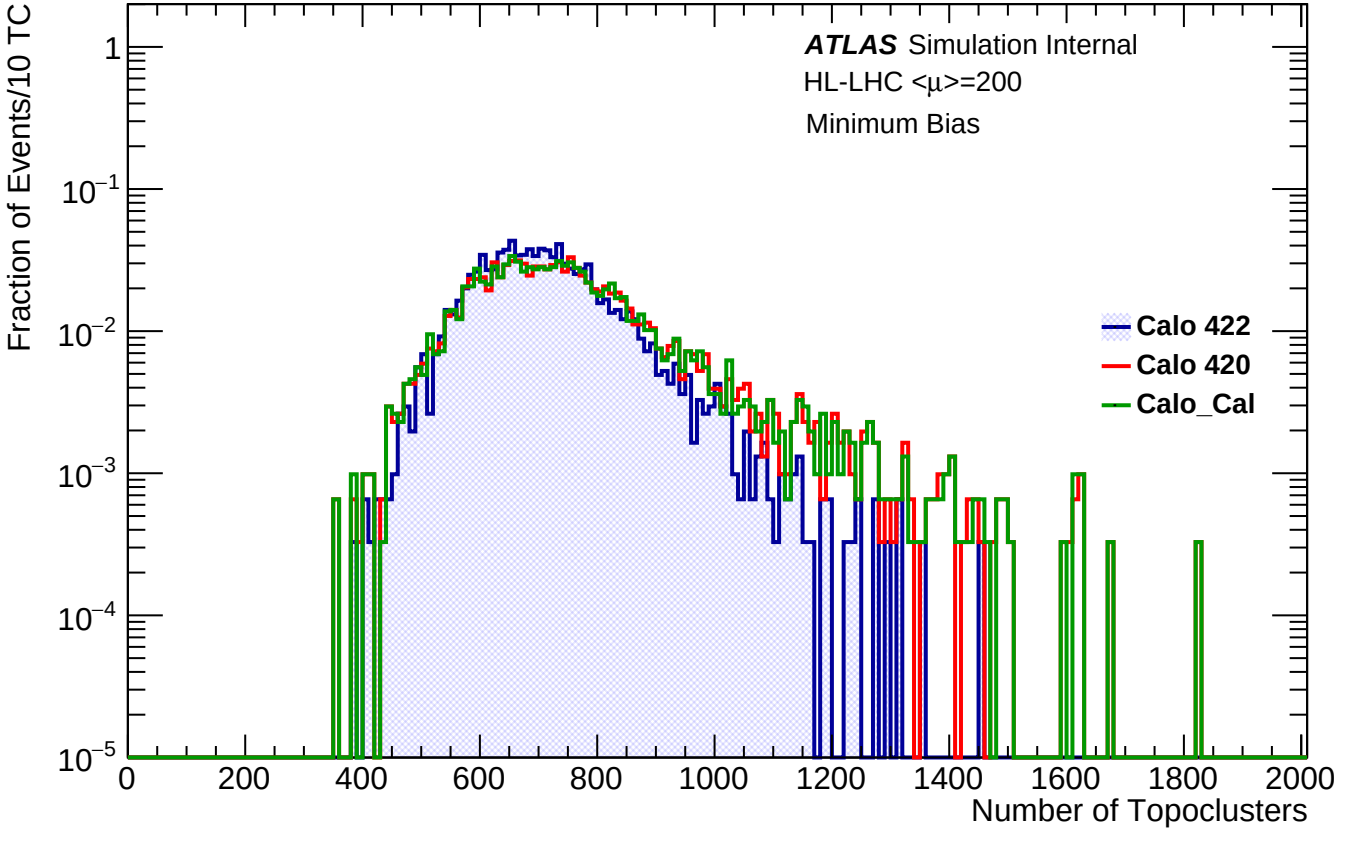

E_t of Topocluster post SK
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^{TC} > 2.0
422-Global SK
422-Offline SK
Fraction of Topoclusters
10^{-1}
10^{-2}
10^{-3}
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

Average number of topoclusters as function of η

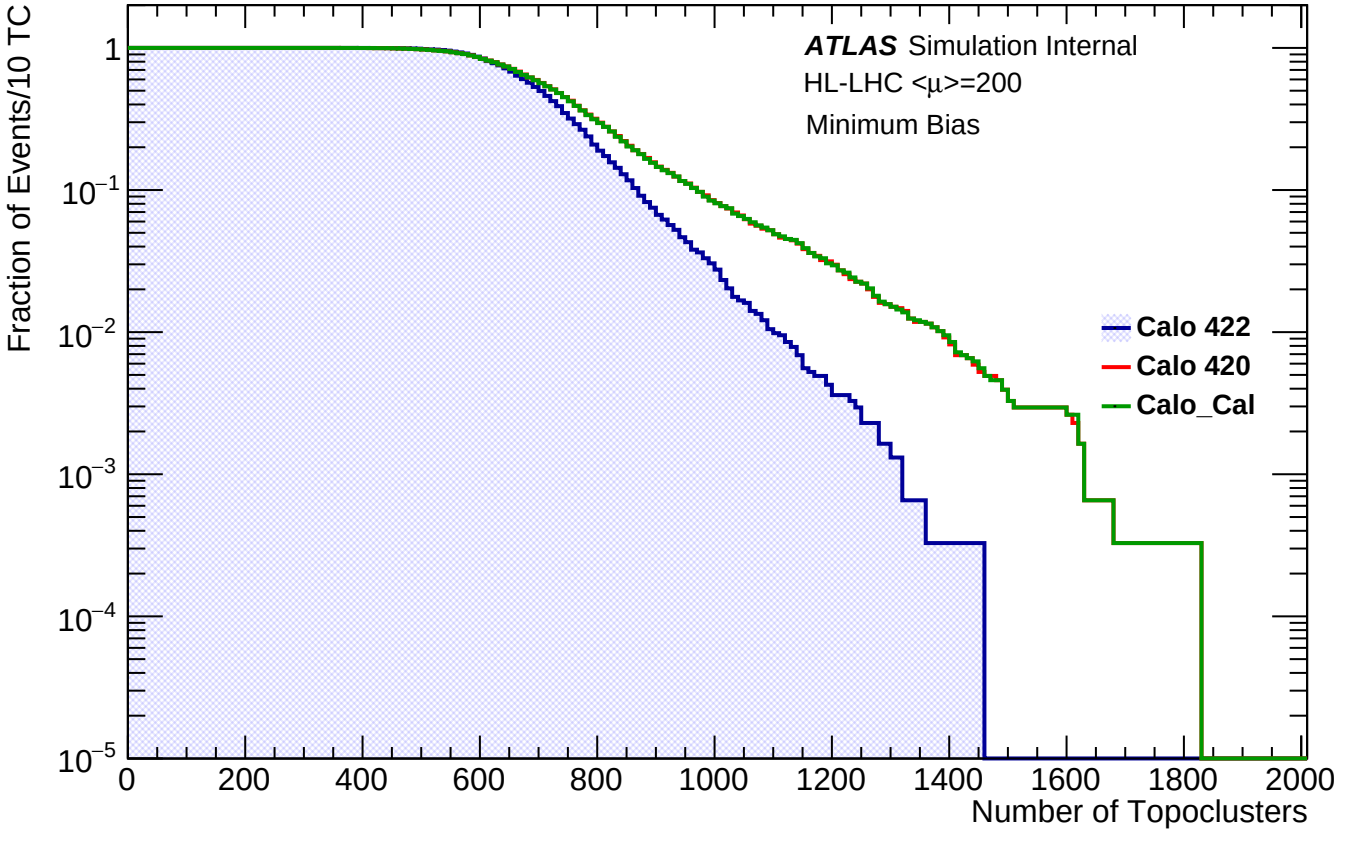


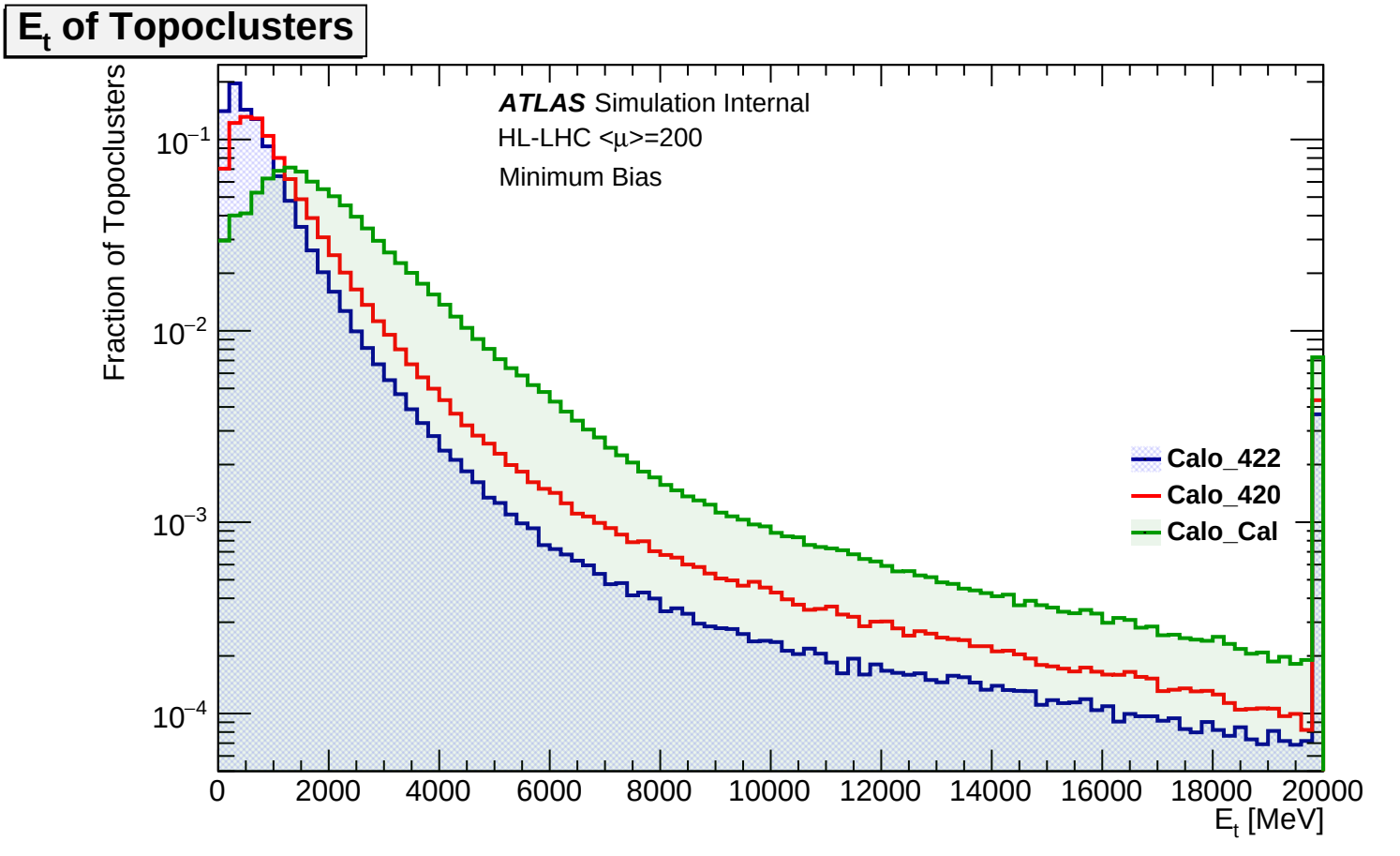

Number of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
Fraction of Events
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Number of Topoclusters
Calo_422
Calo_420
Calo_Cal

Number of Topoclusters

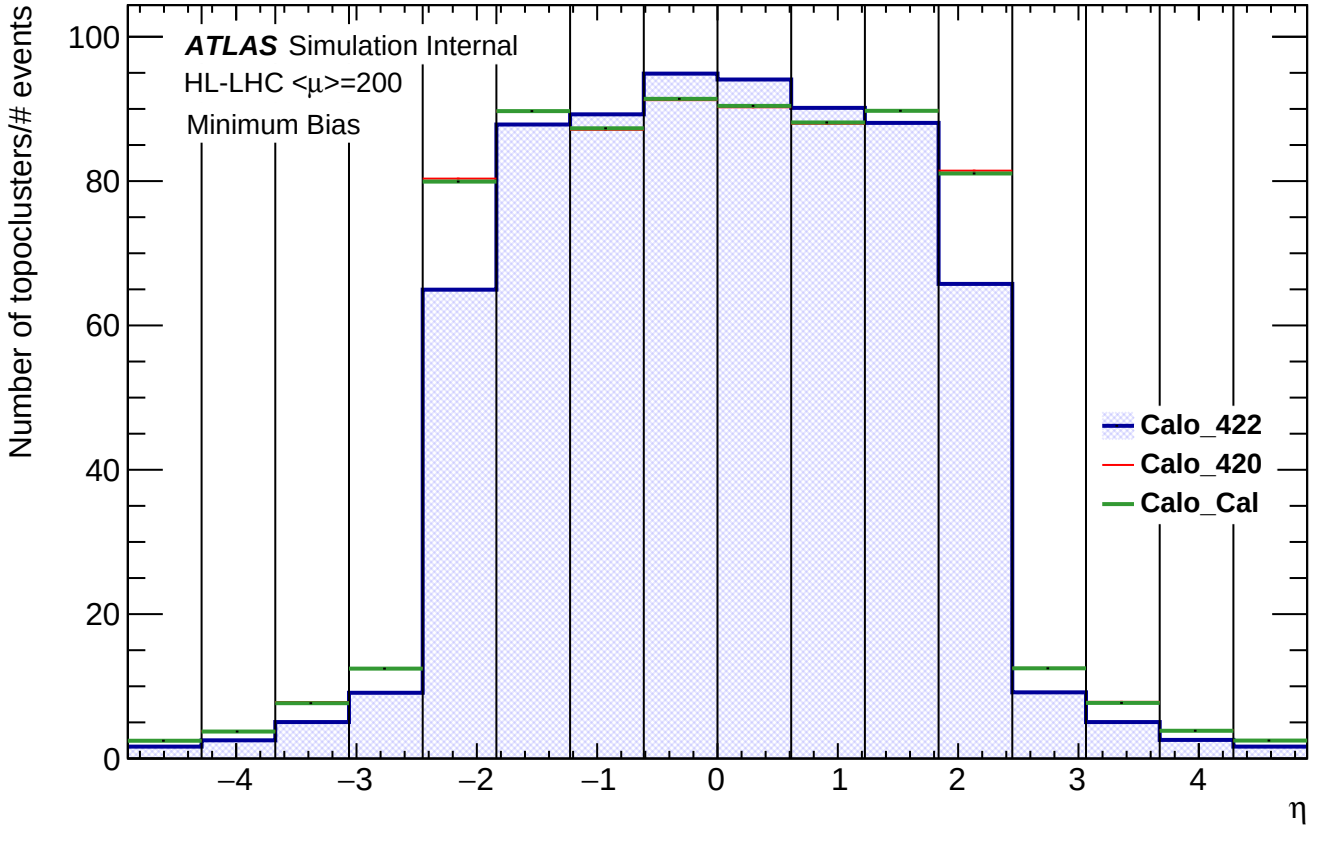


Cumulative Number of Topoclusters

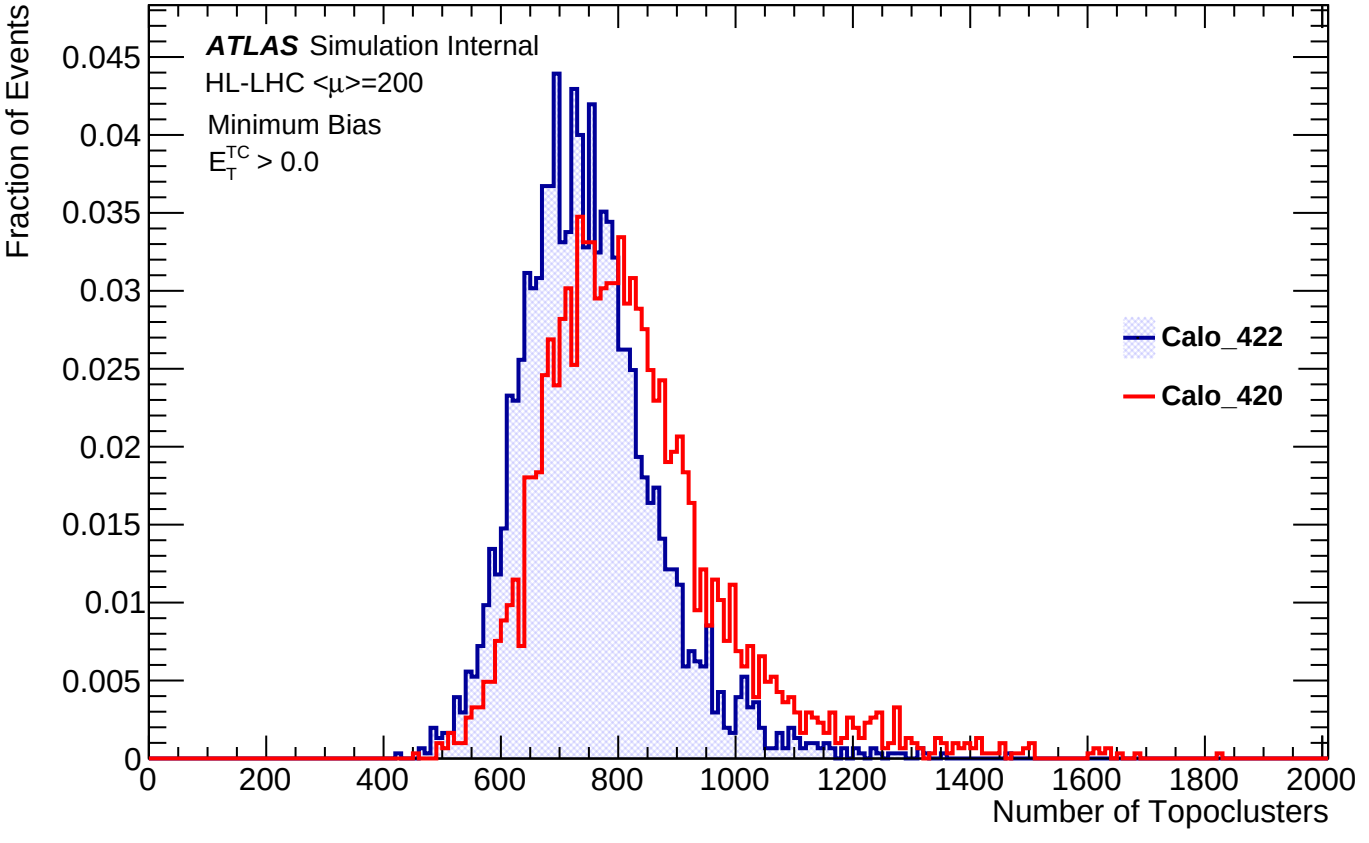



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]
Calo_422
Calo_420
Calo_Cal

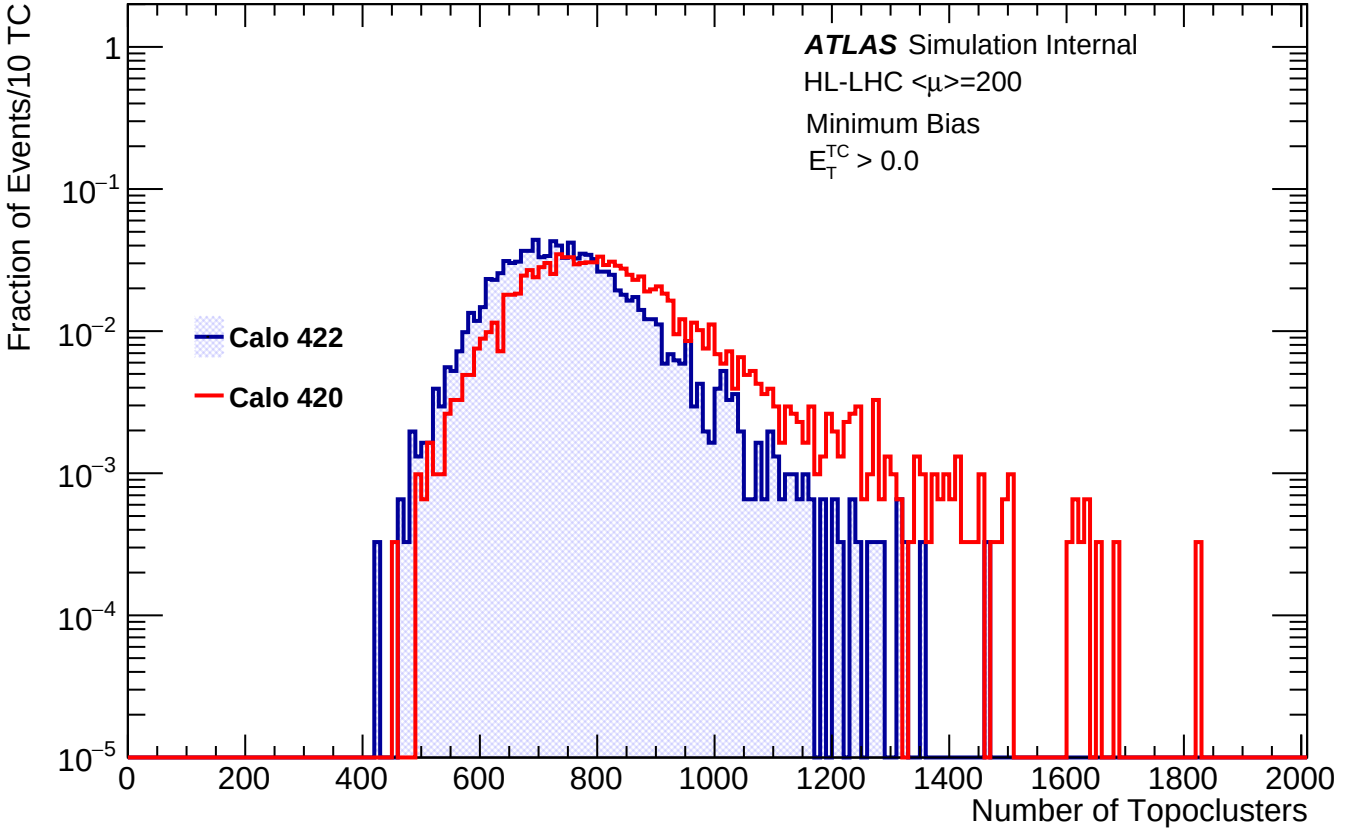
Average number of topoclusters as function of η



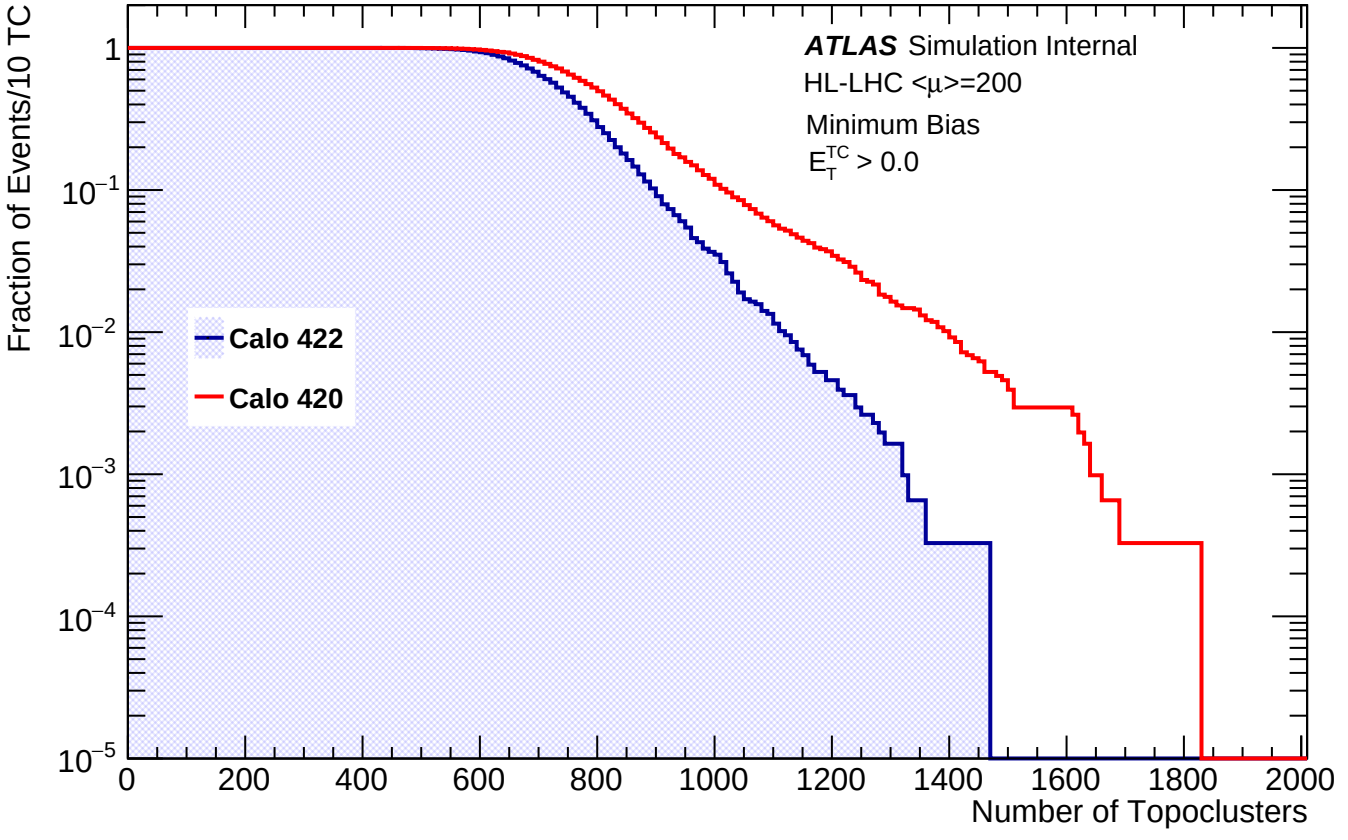
Number of Topoclusters

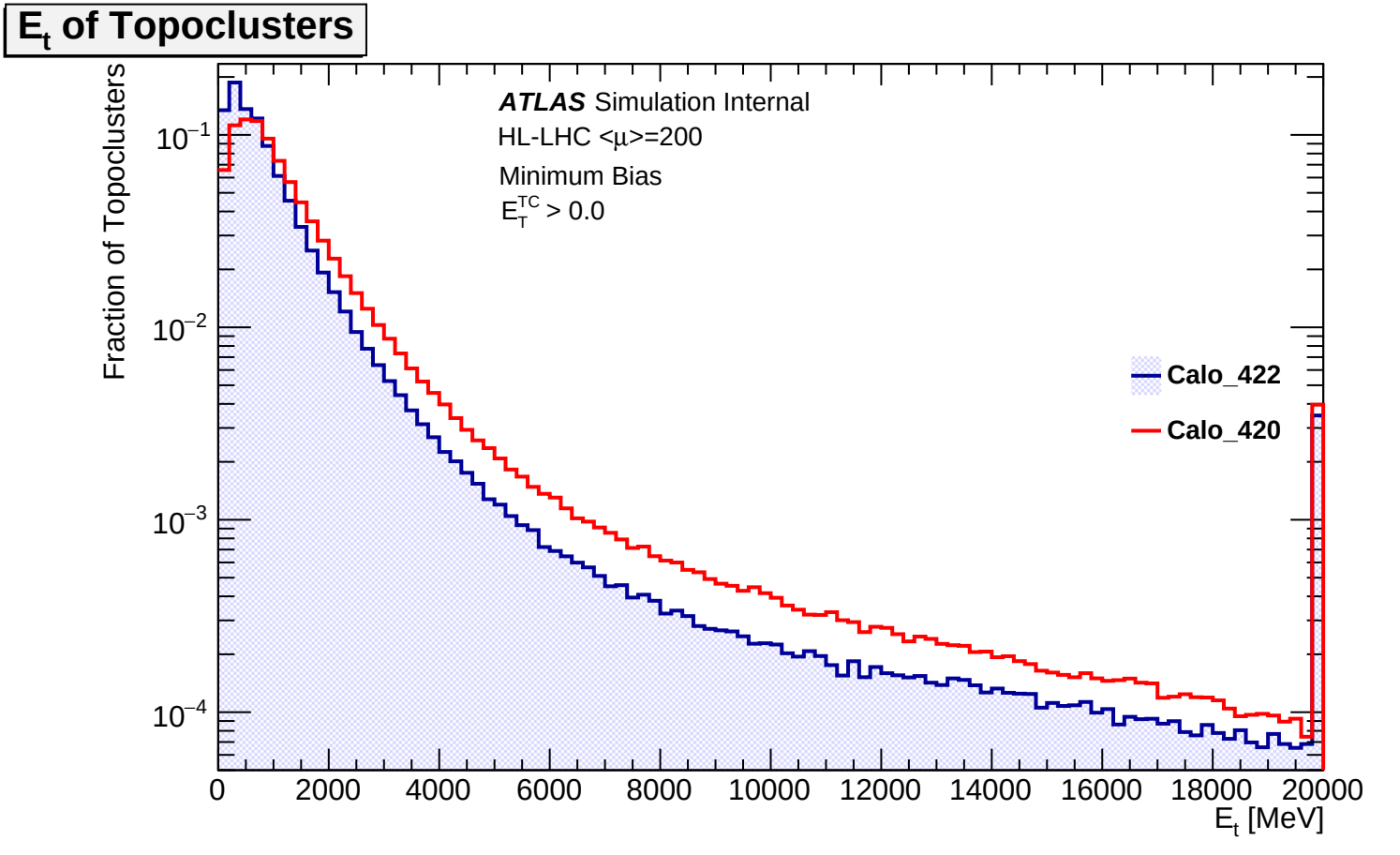


Number of Topoclusters

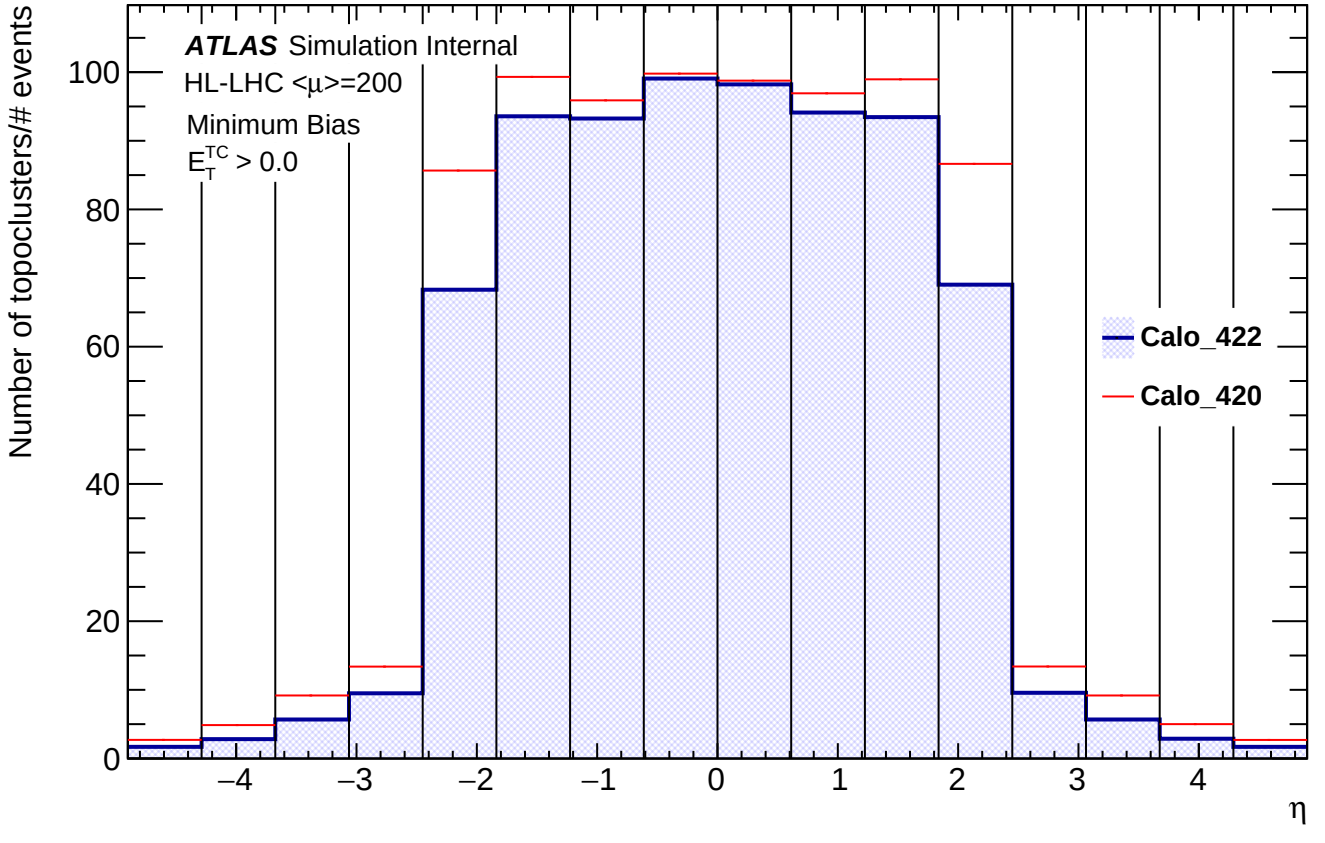


Cumulative Number of Topoclusters

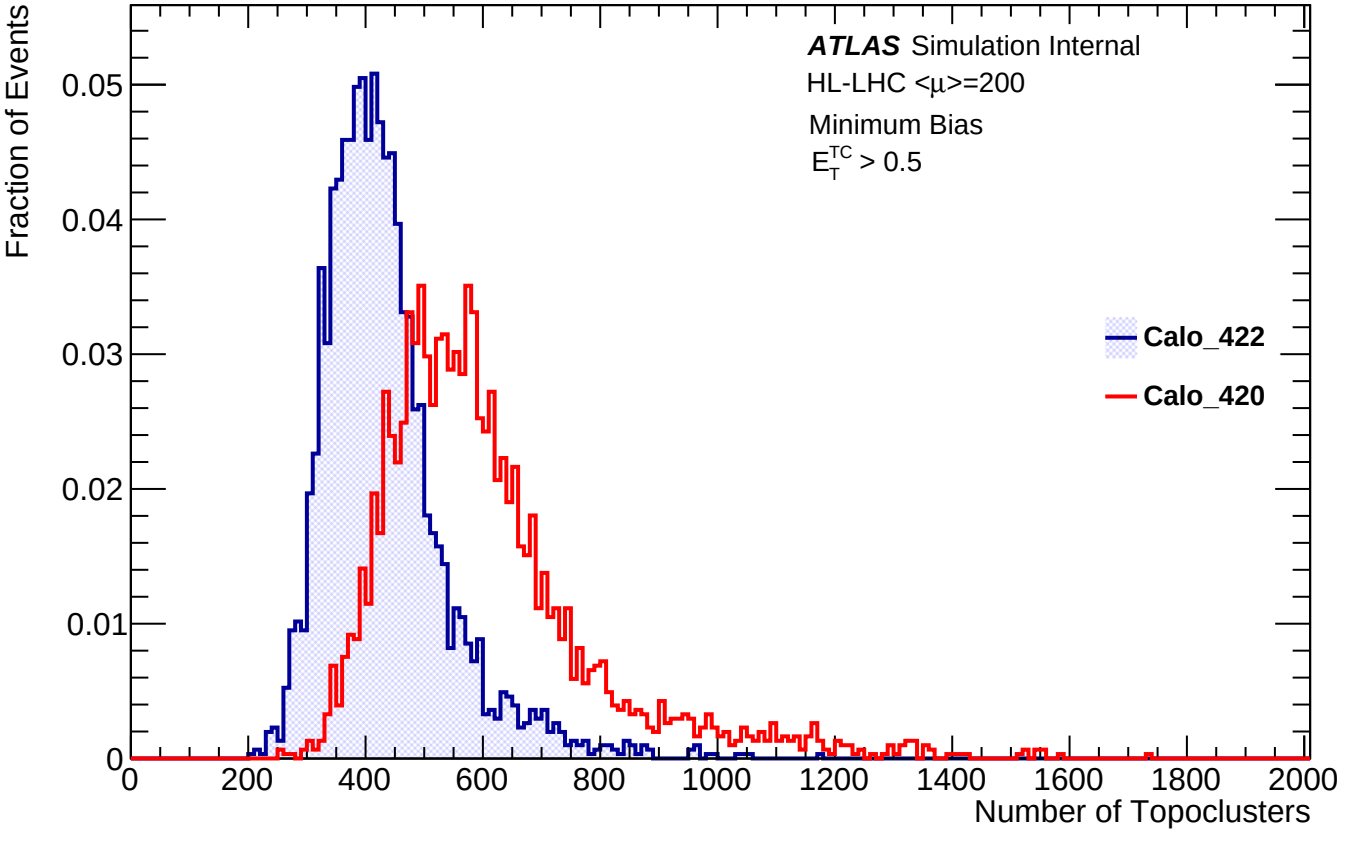



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 0.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

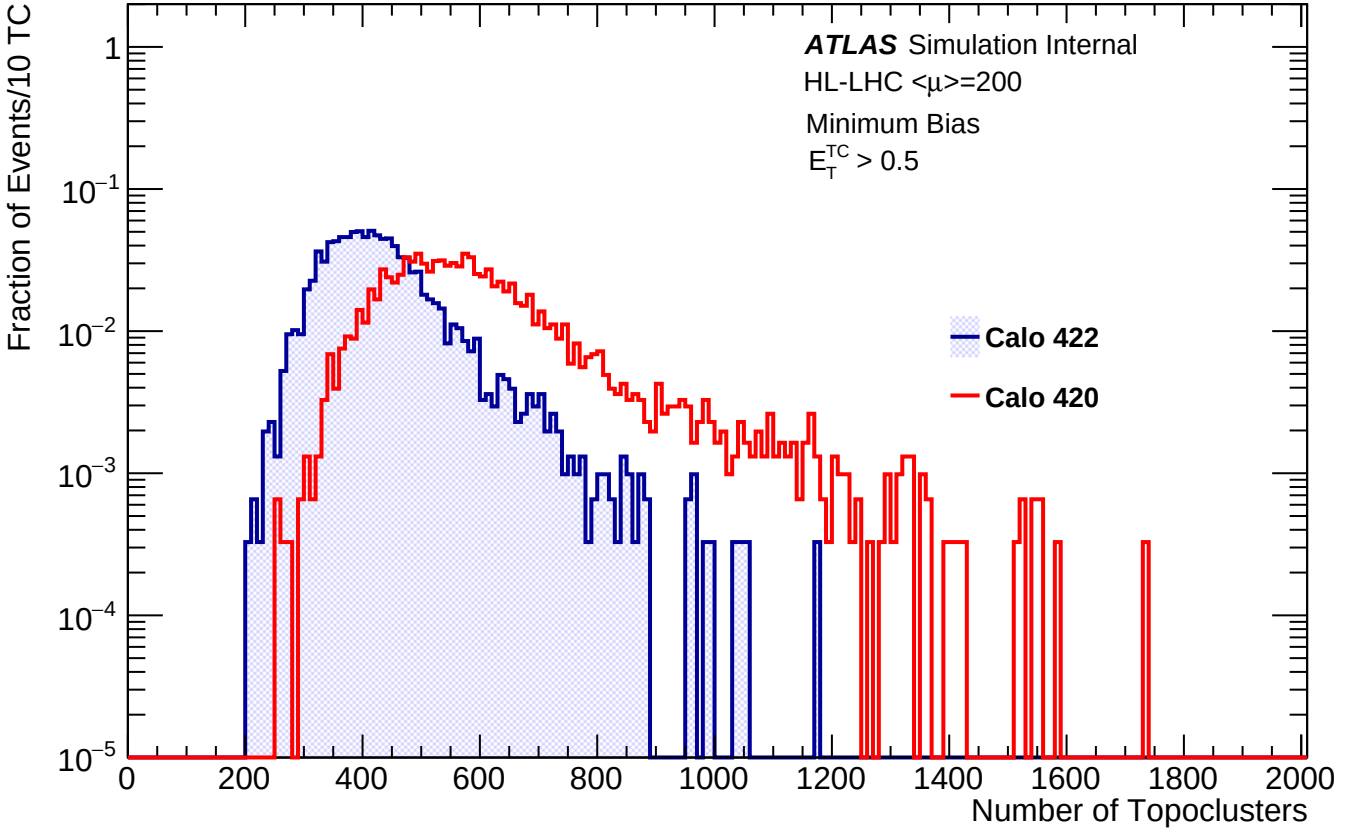
Average number of topoclusters as function of η



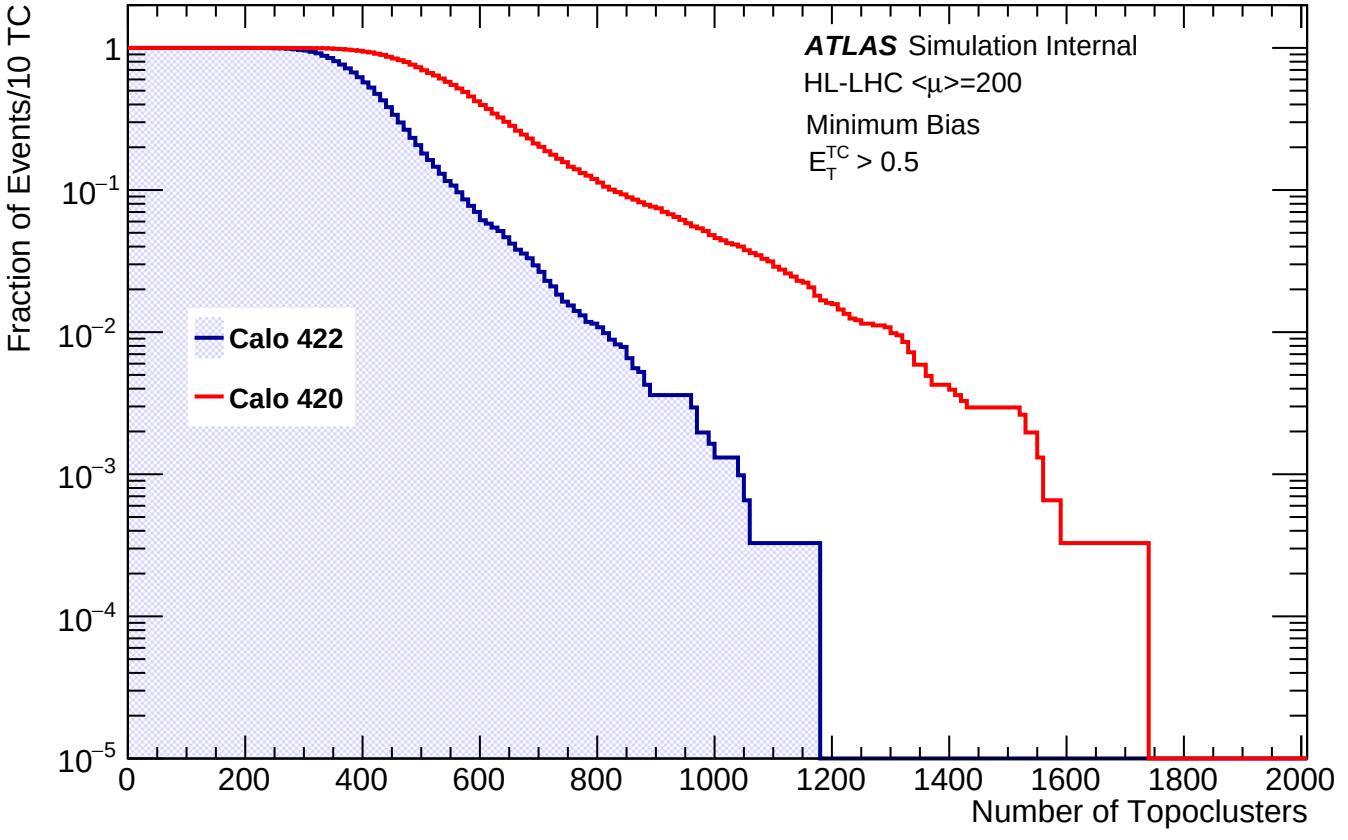
Number of Topoclusters

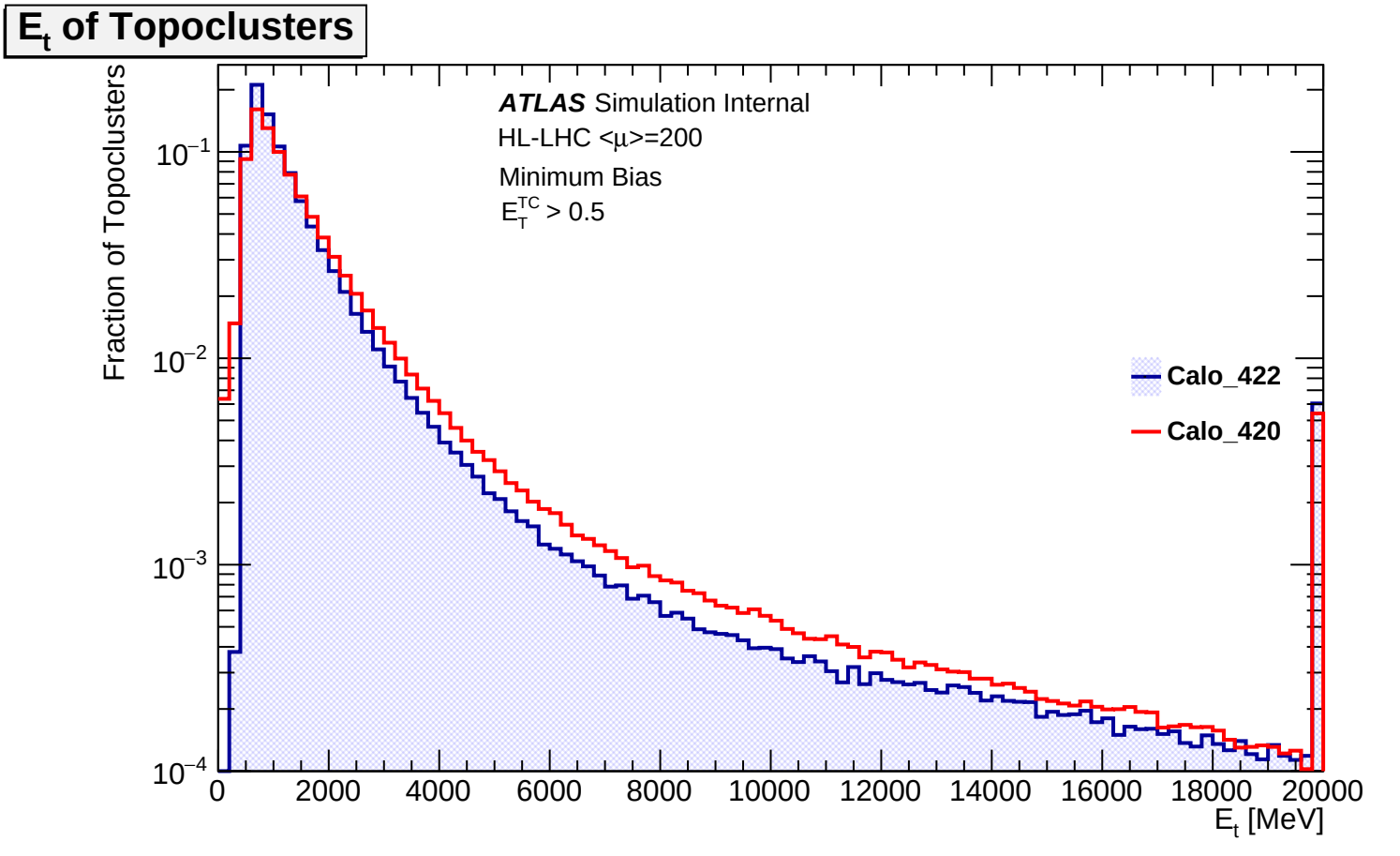


Number of Topoclusters

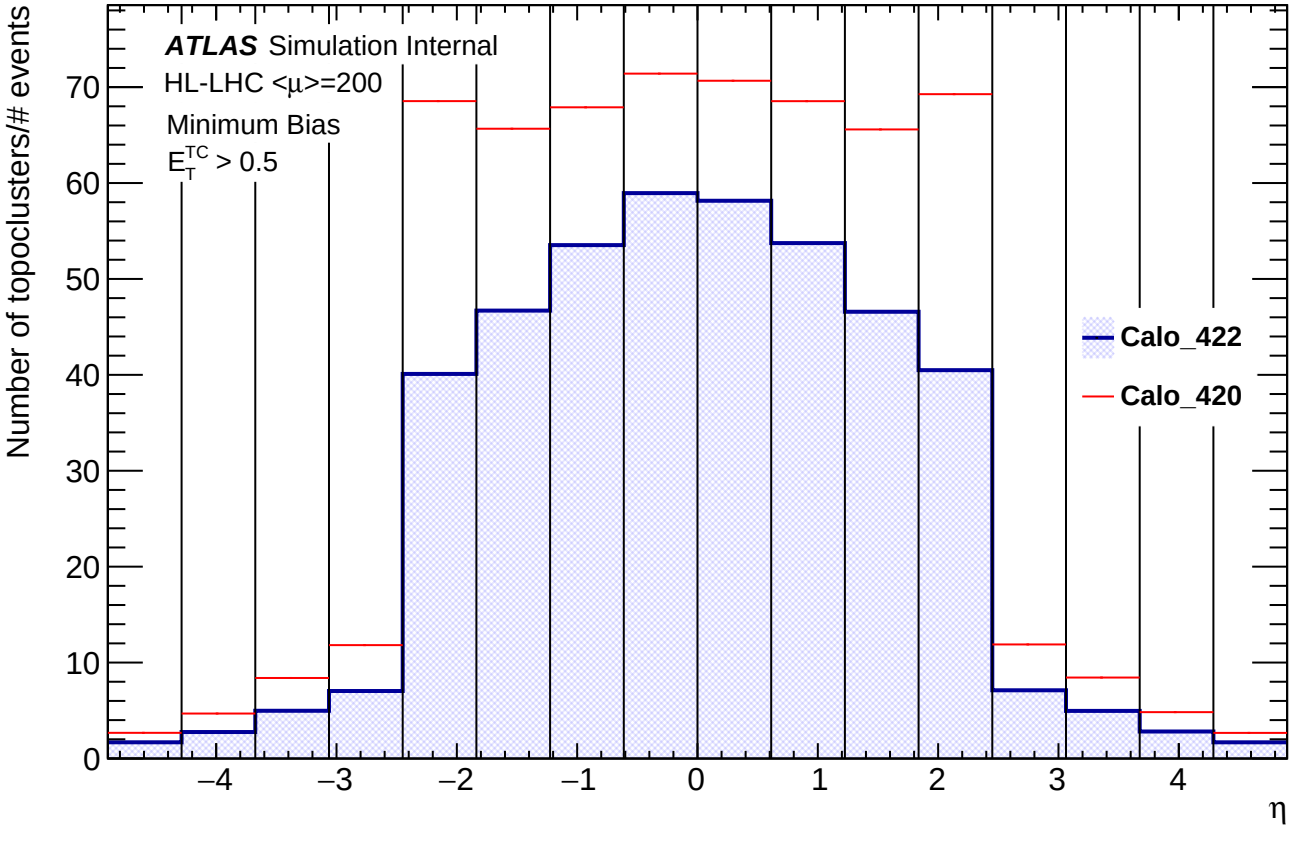


Cumulative Number of Topoclusters

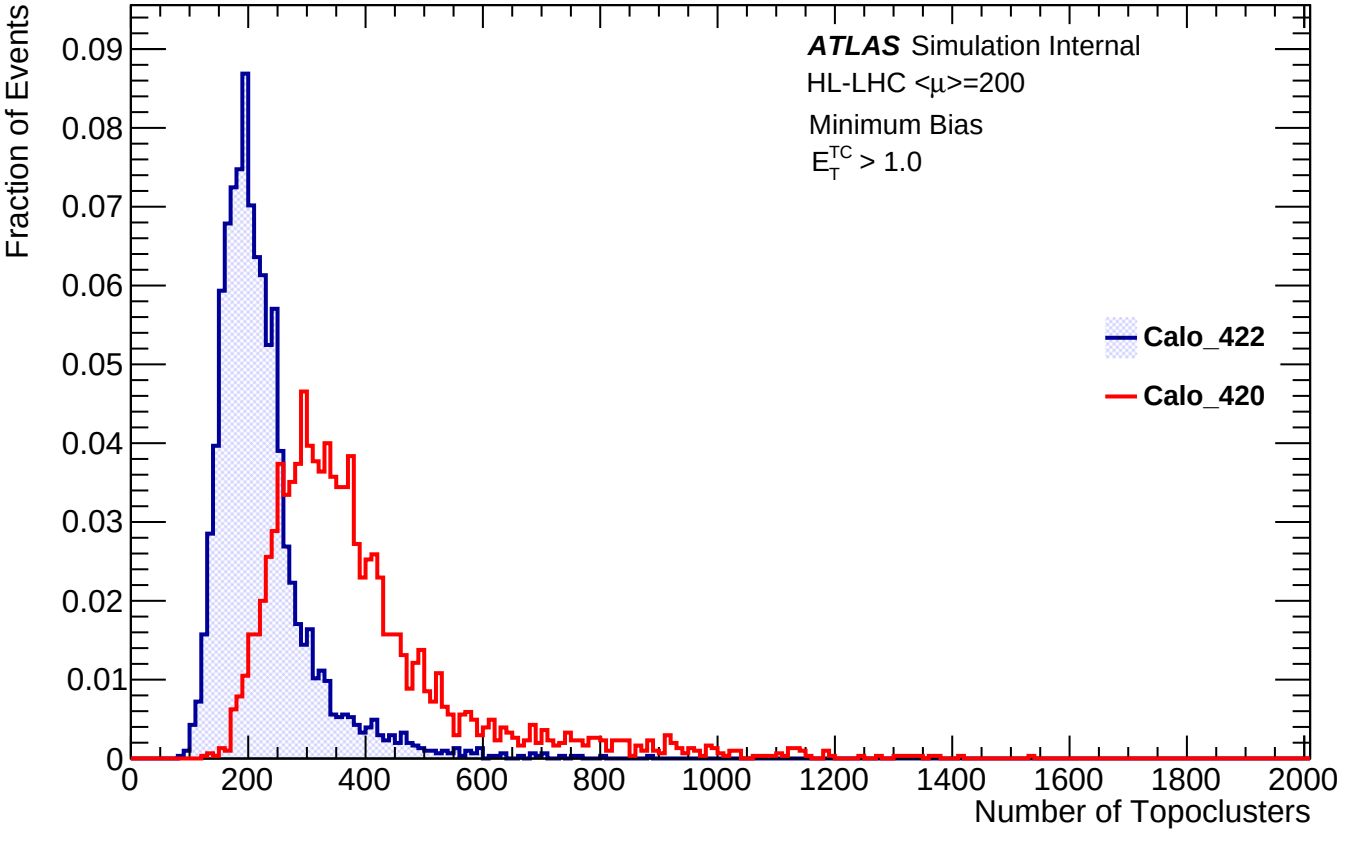



E_t of Topoclusters
Fraction of Topoclusters
10^{-1}
10^{-2}
10^{-3}
10^{-4}
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
$E_T^{TC} > 0.5$
Calo_422
Calo_420
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

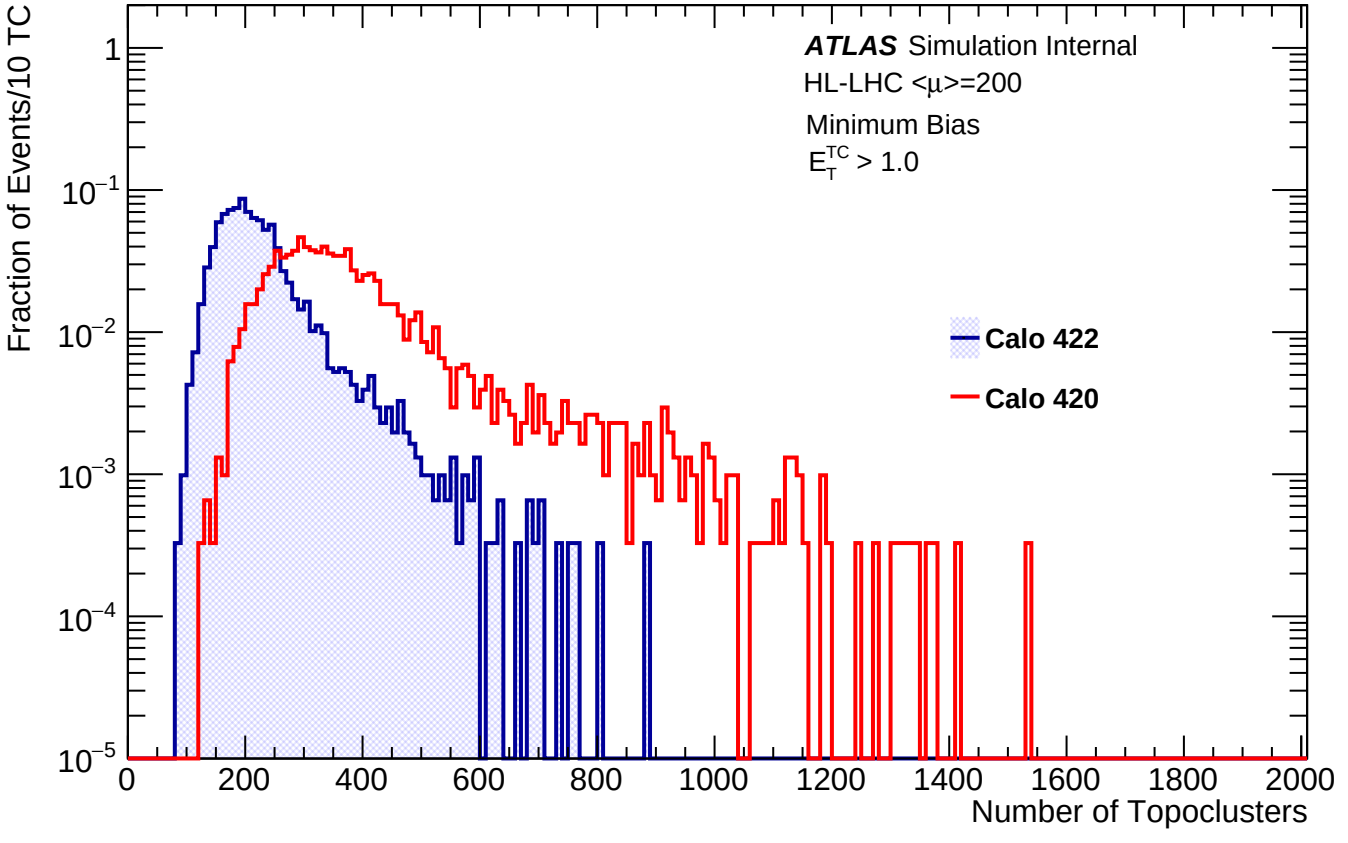
Average number of topoclusters as function of η



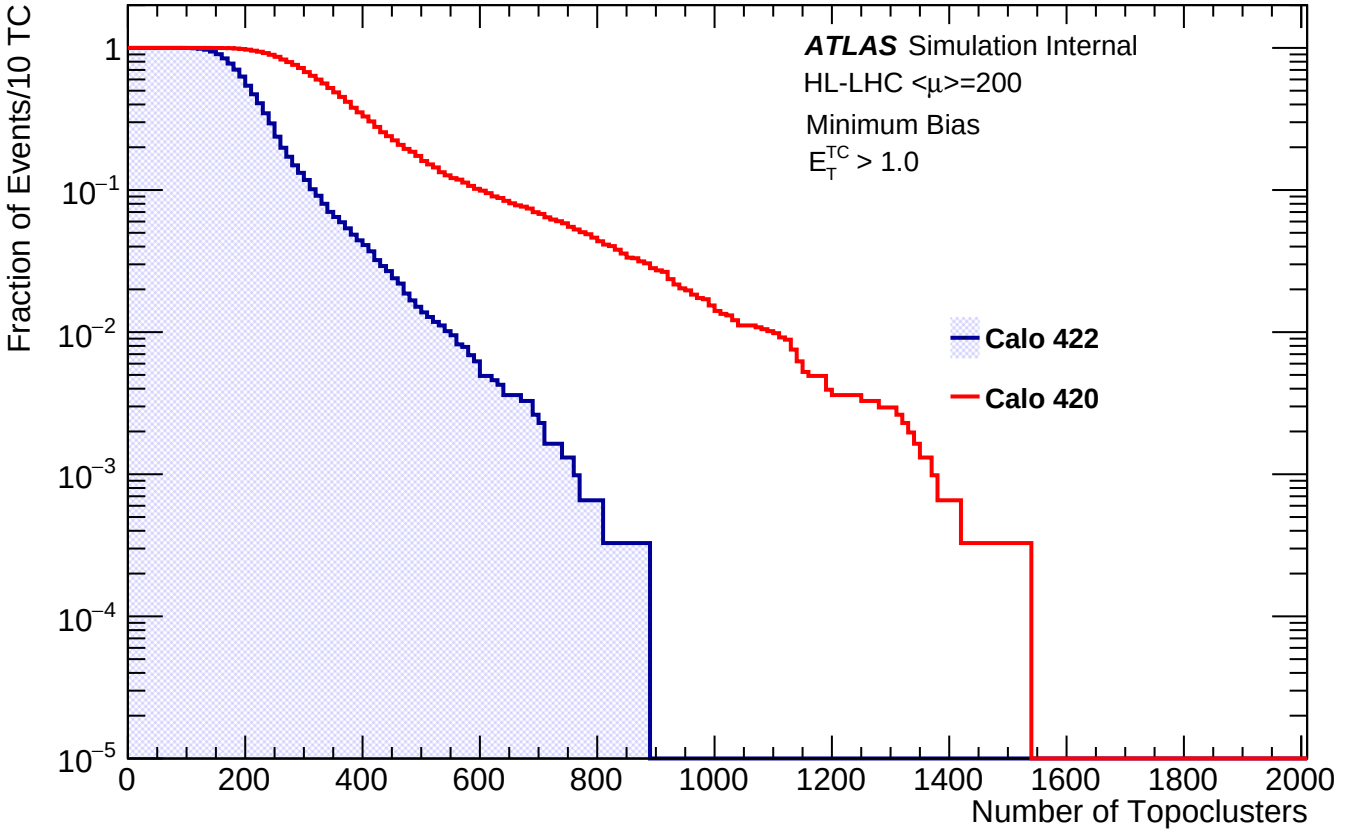
Number of Topoclusters

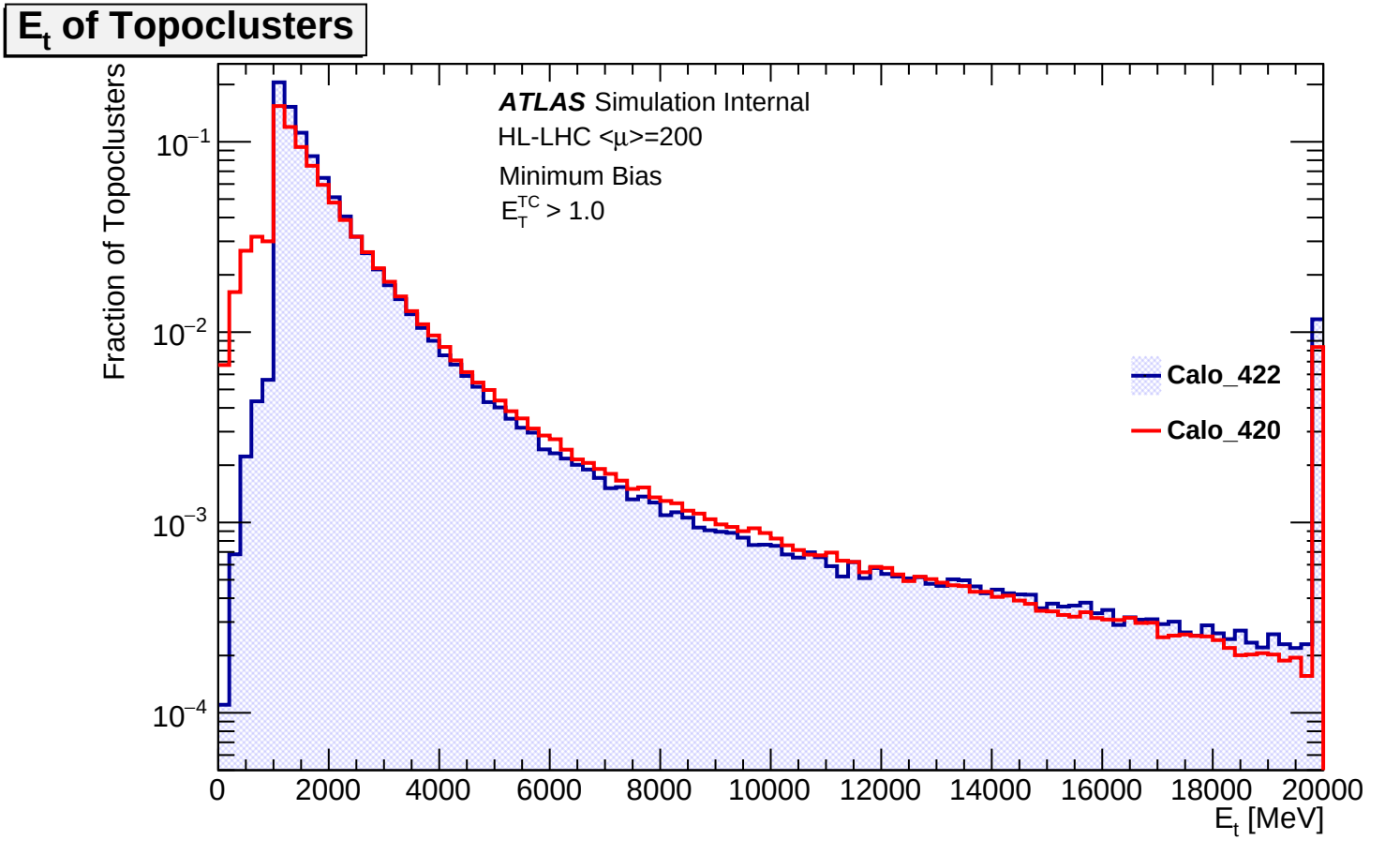


Number of Topoclusters

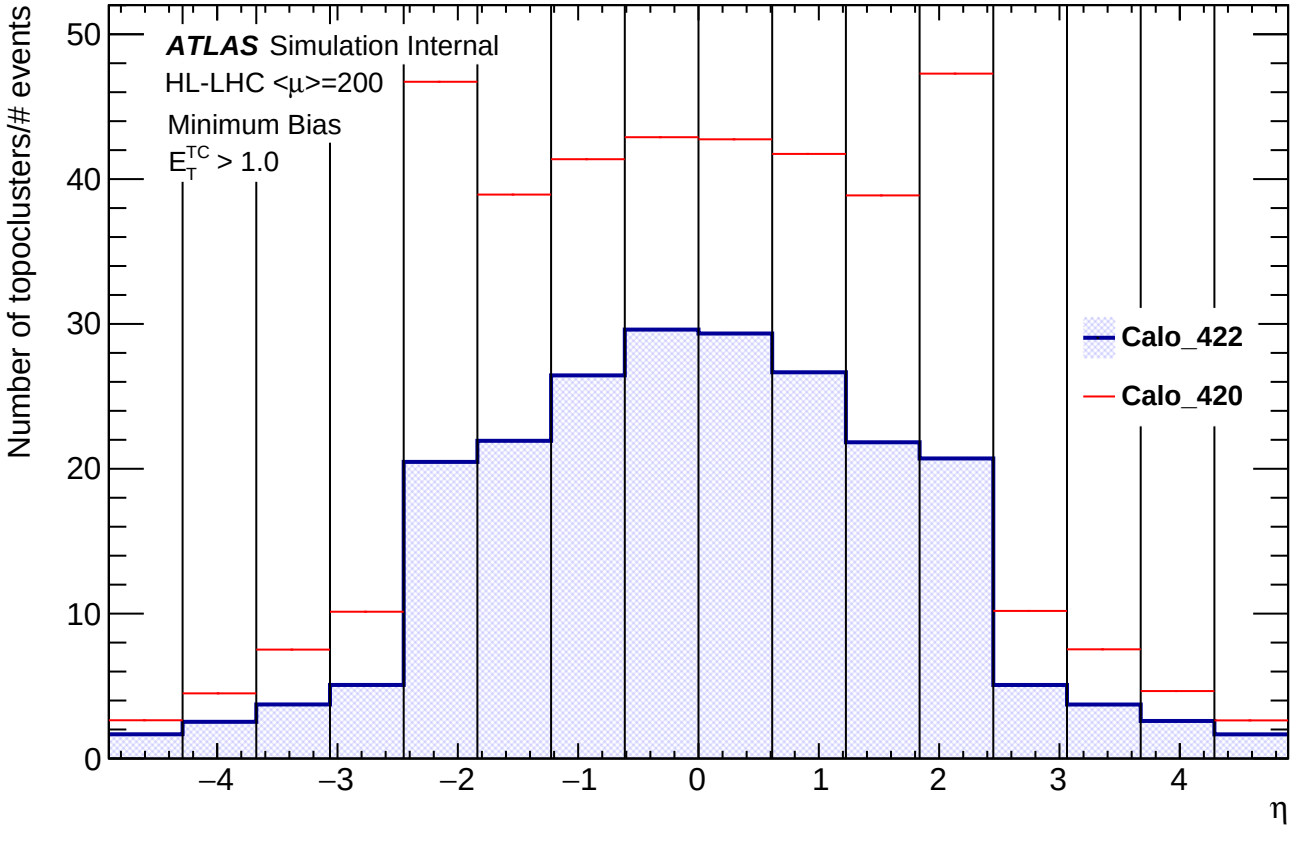


Cumulative Number of Topoclusters

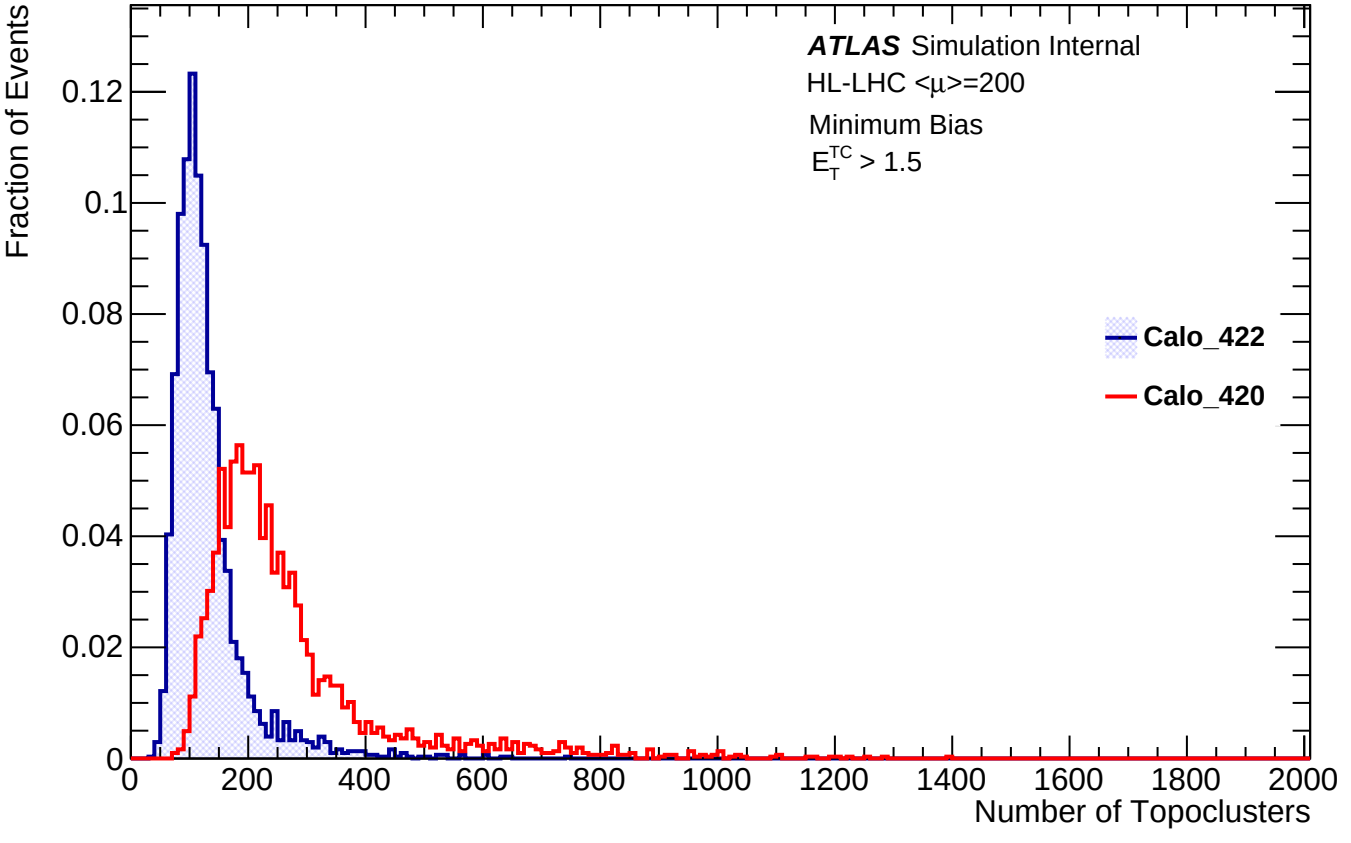



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 1.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

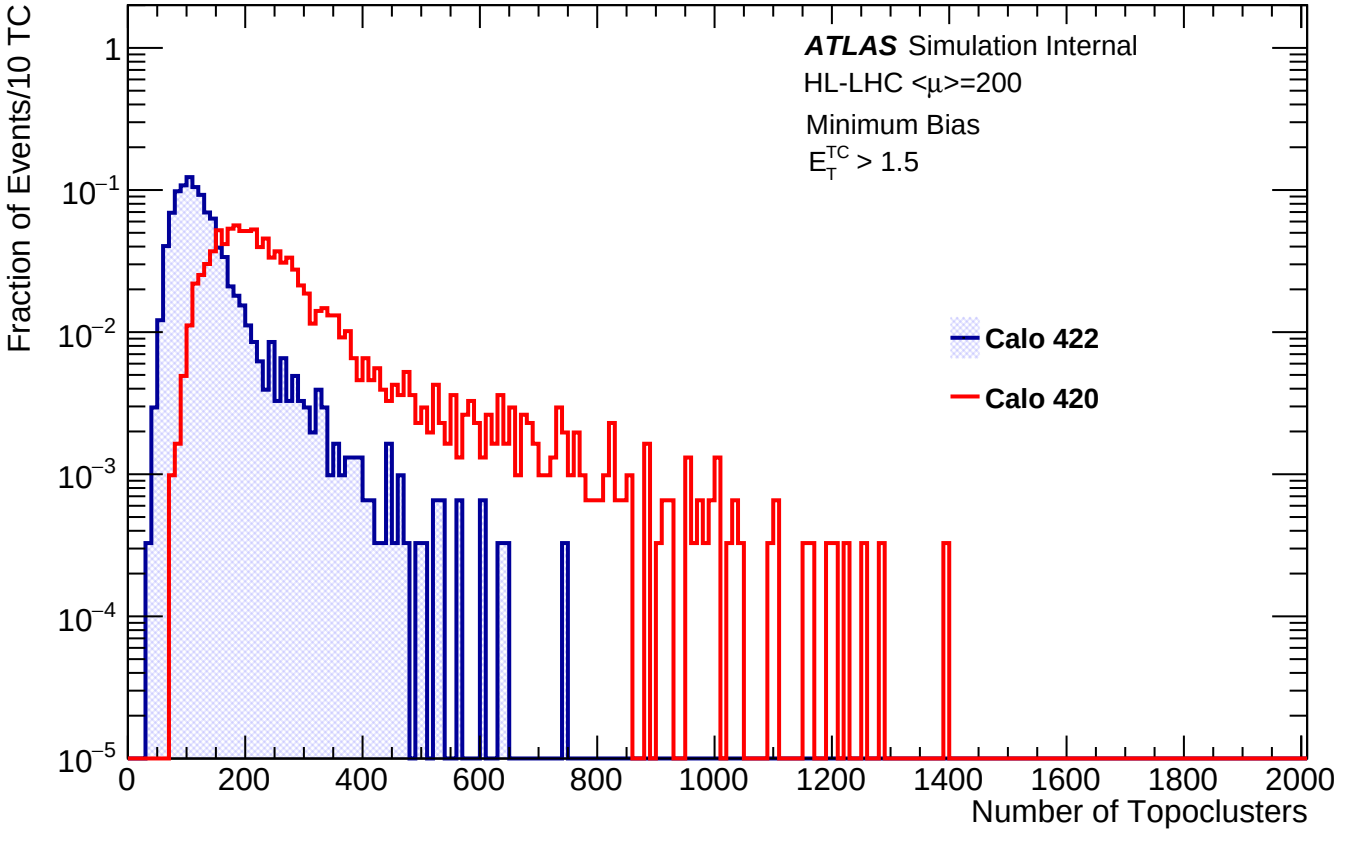
Average number of topoclusters as function of η



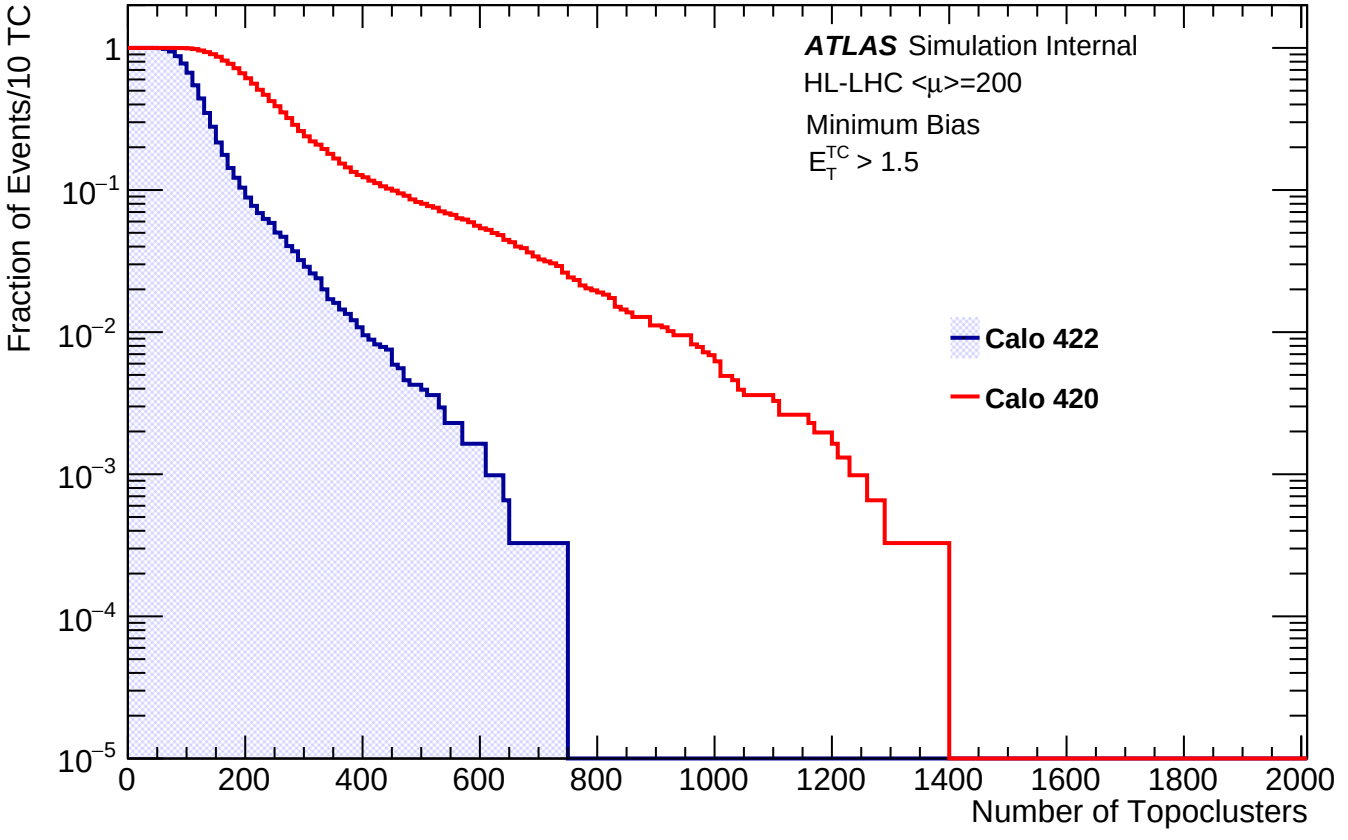
Number of Topoclusters

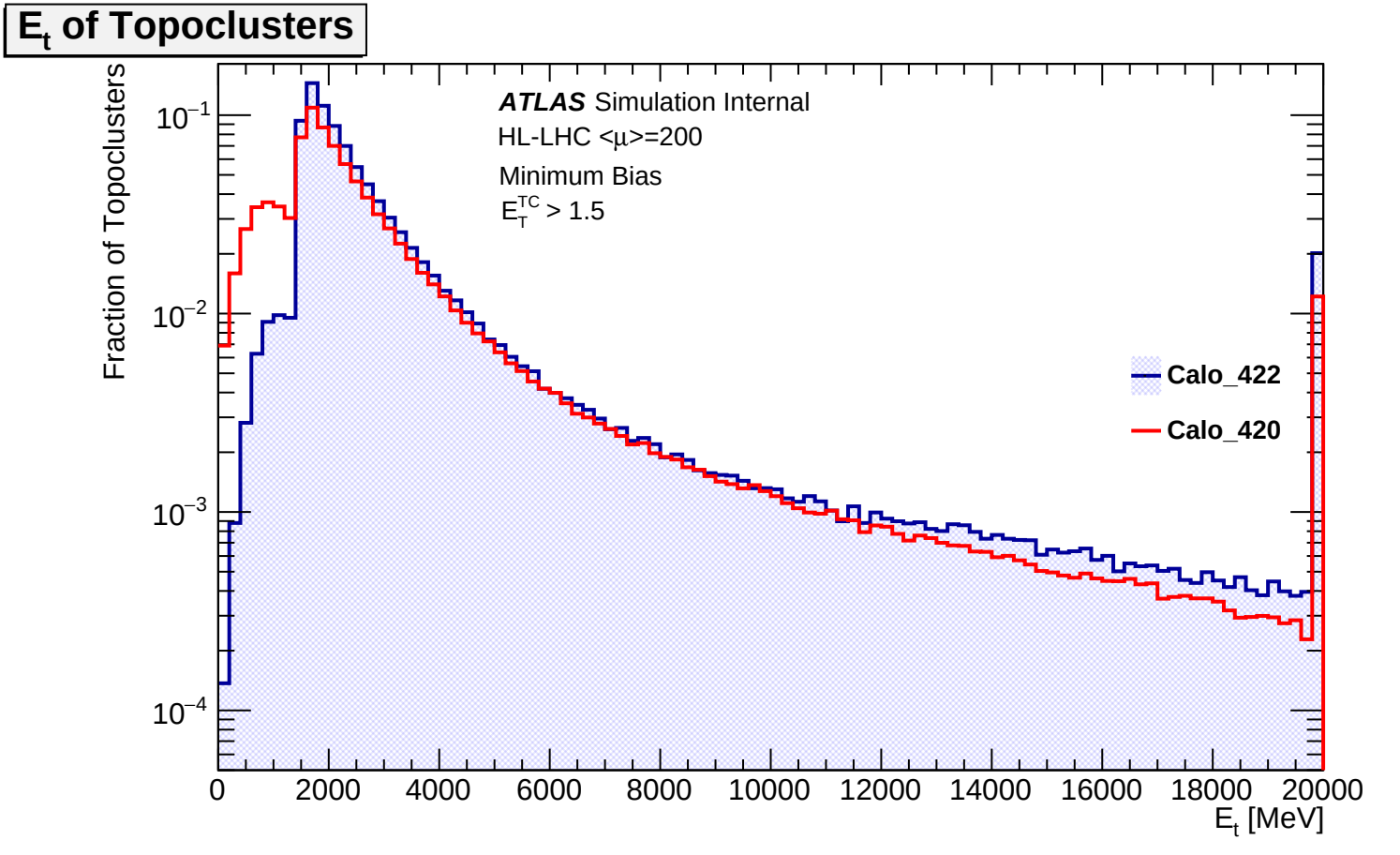


Number of Topoclusters

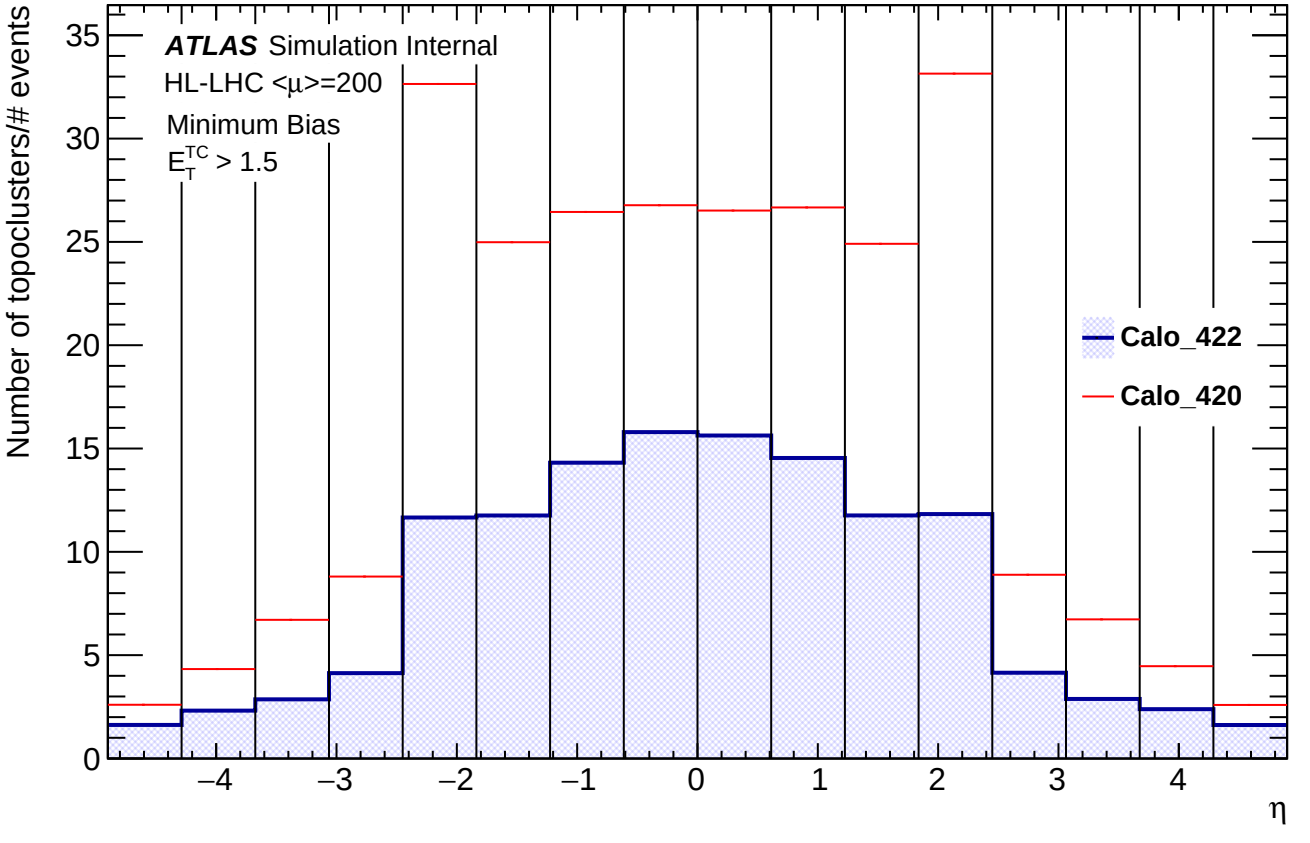


Cumulative Number of Topoclusters

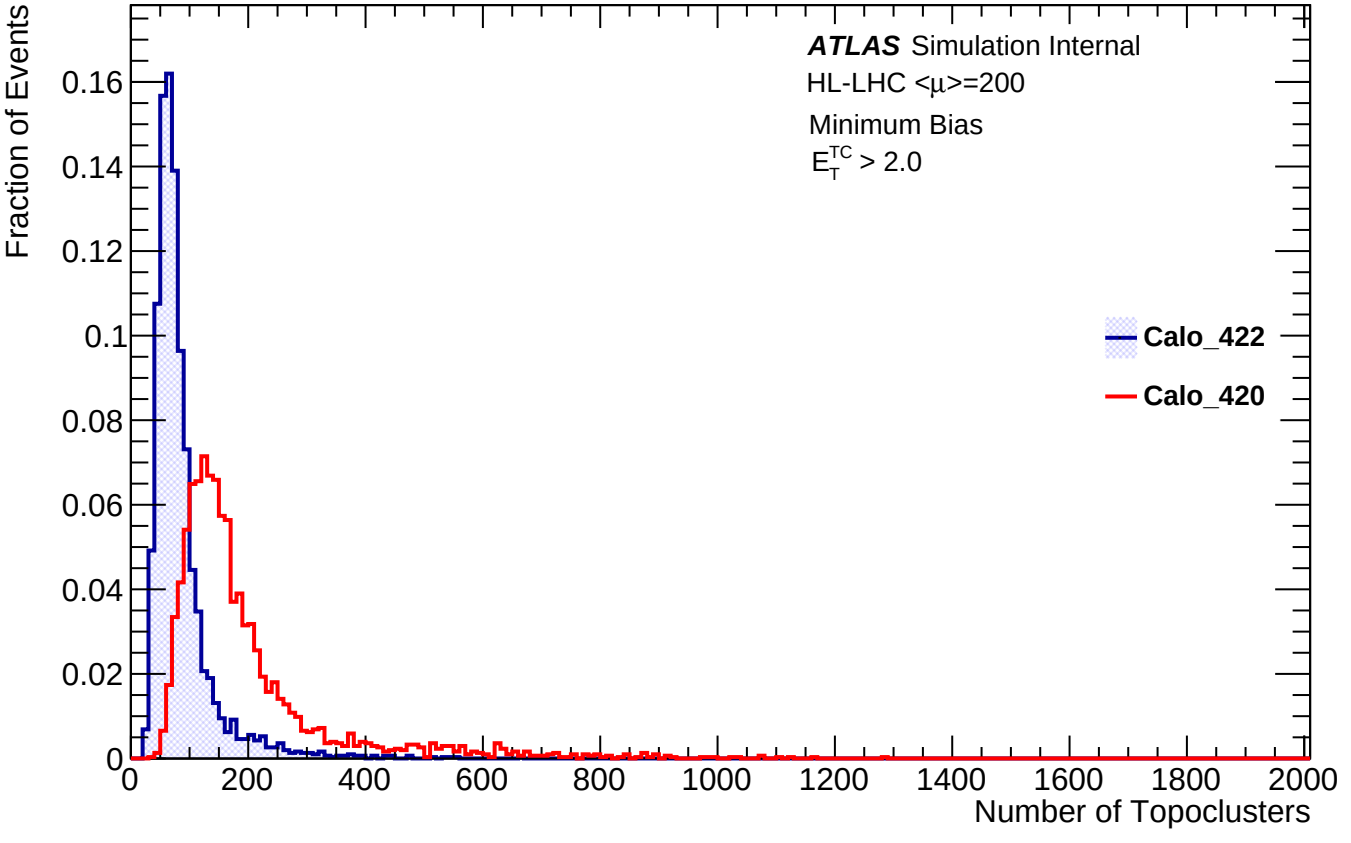



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 1.5
Calo_422
Calo_420
Fraction of Topoclusters
10^−1
10^−2
10^−3
10^−4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

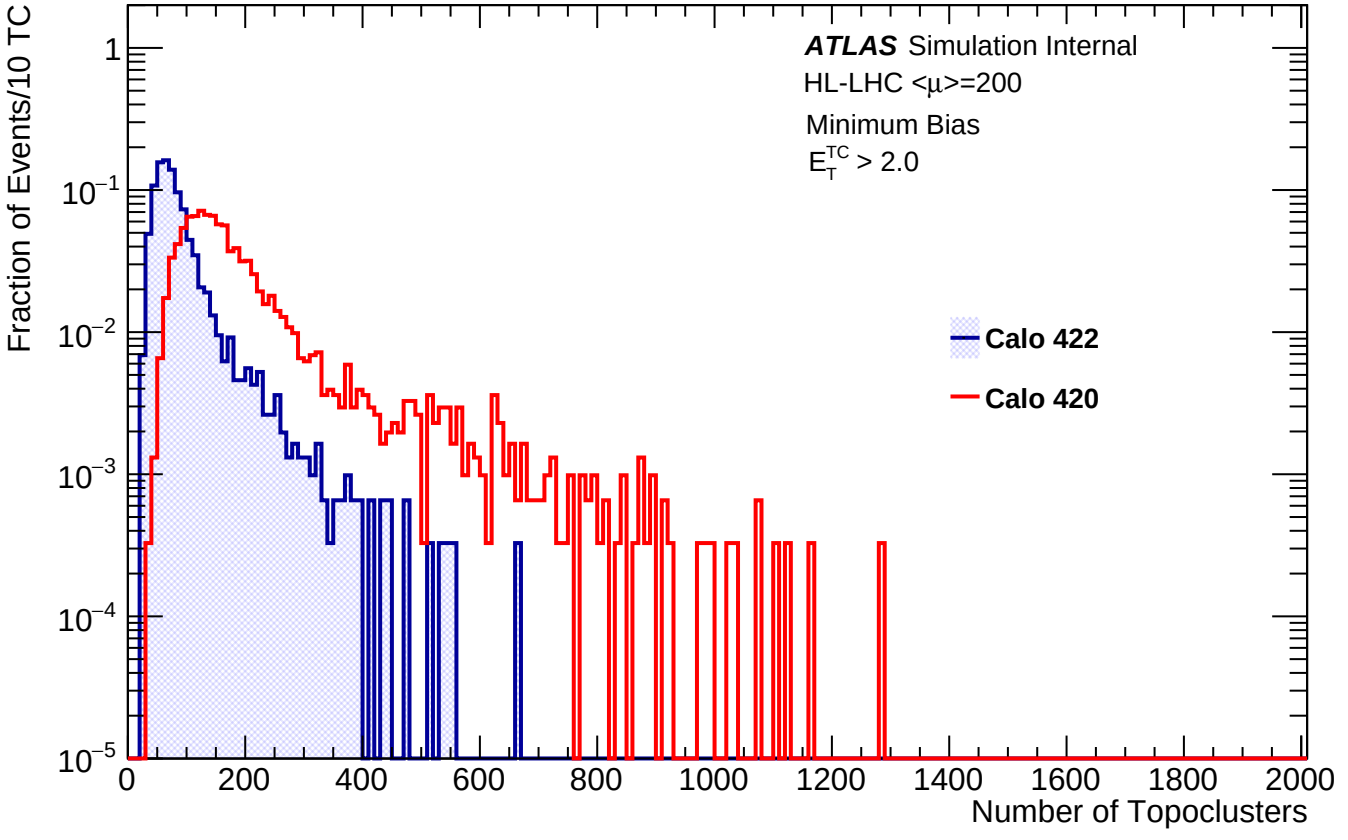
Average number of topoclusters as function of η



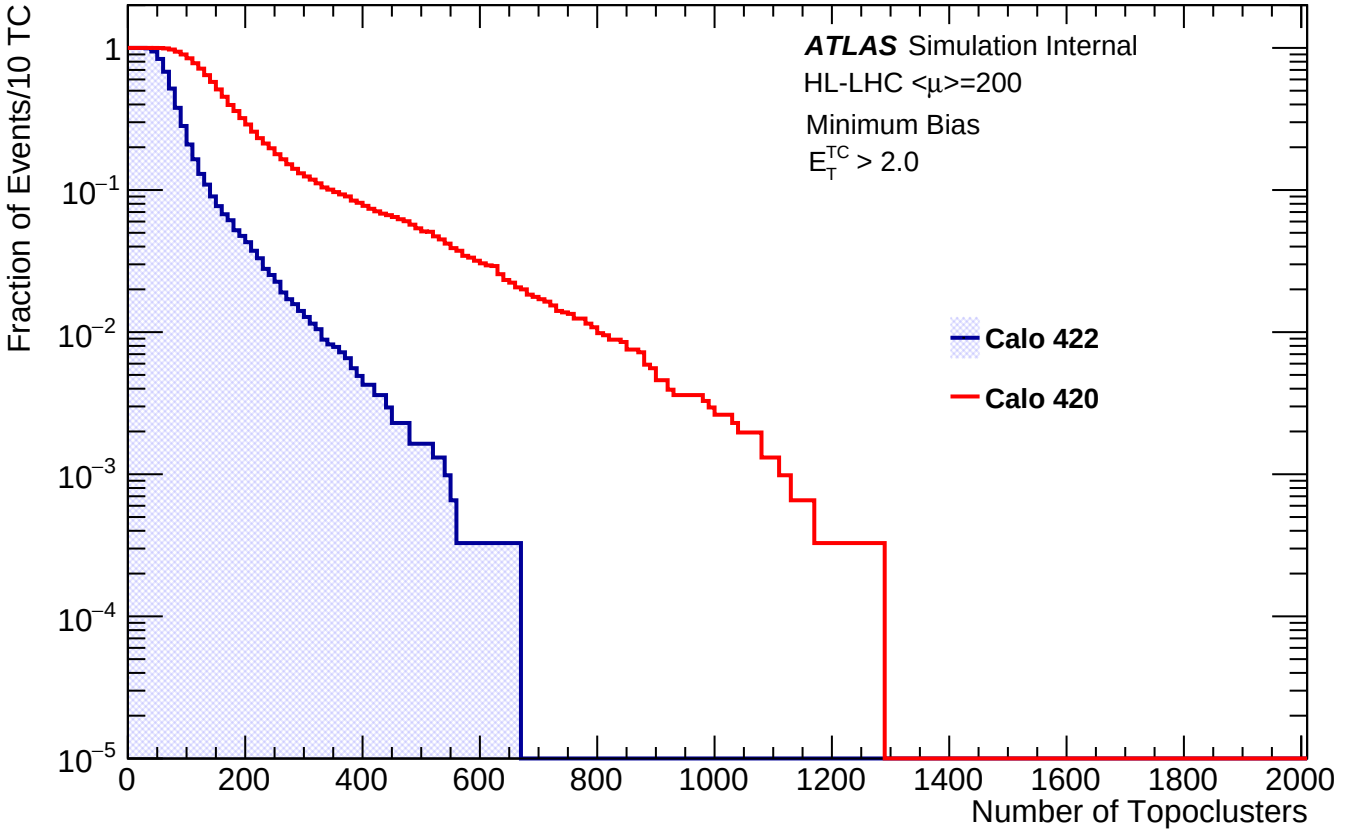
Number of Topoclusters

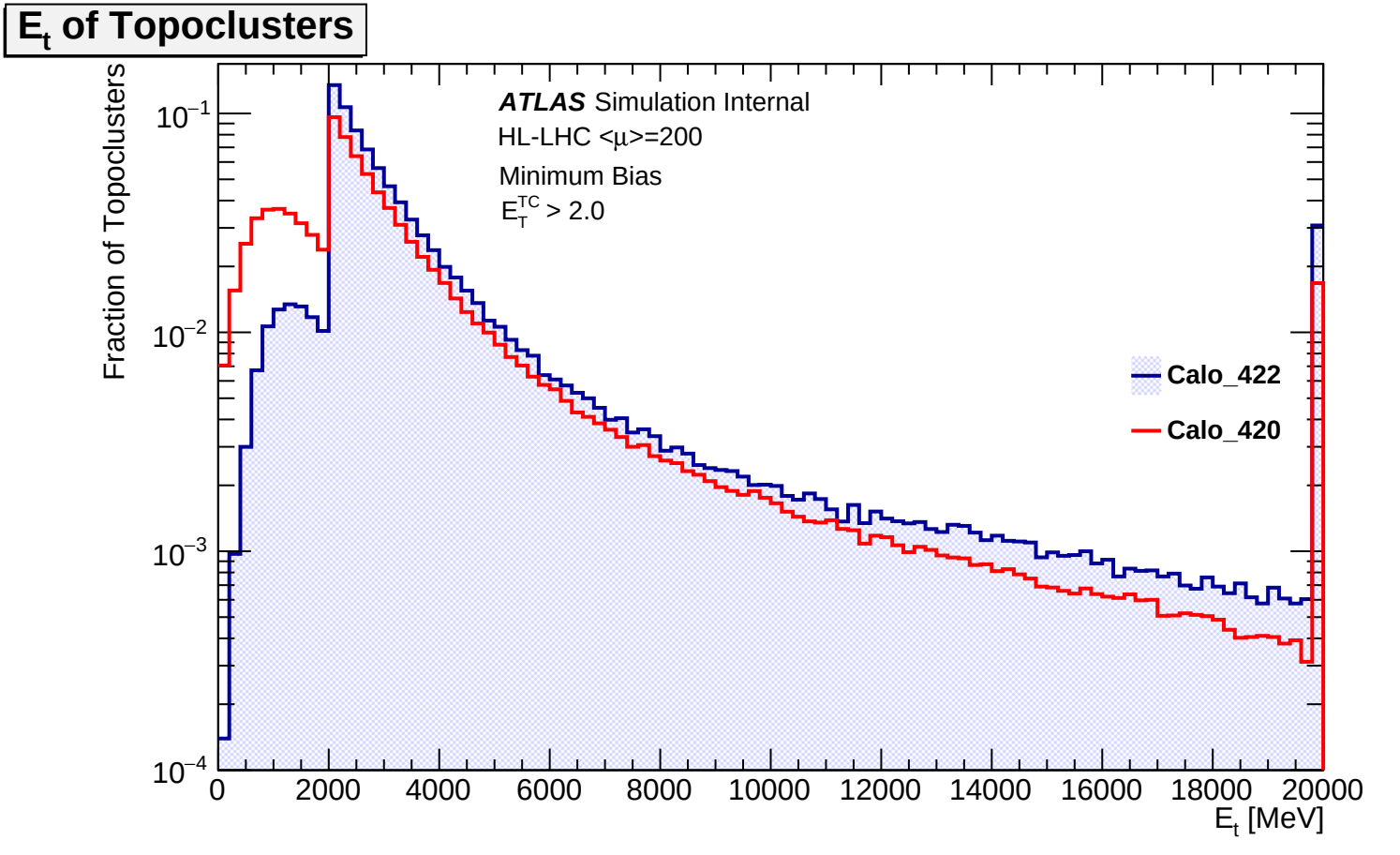


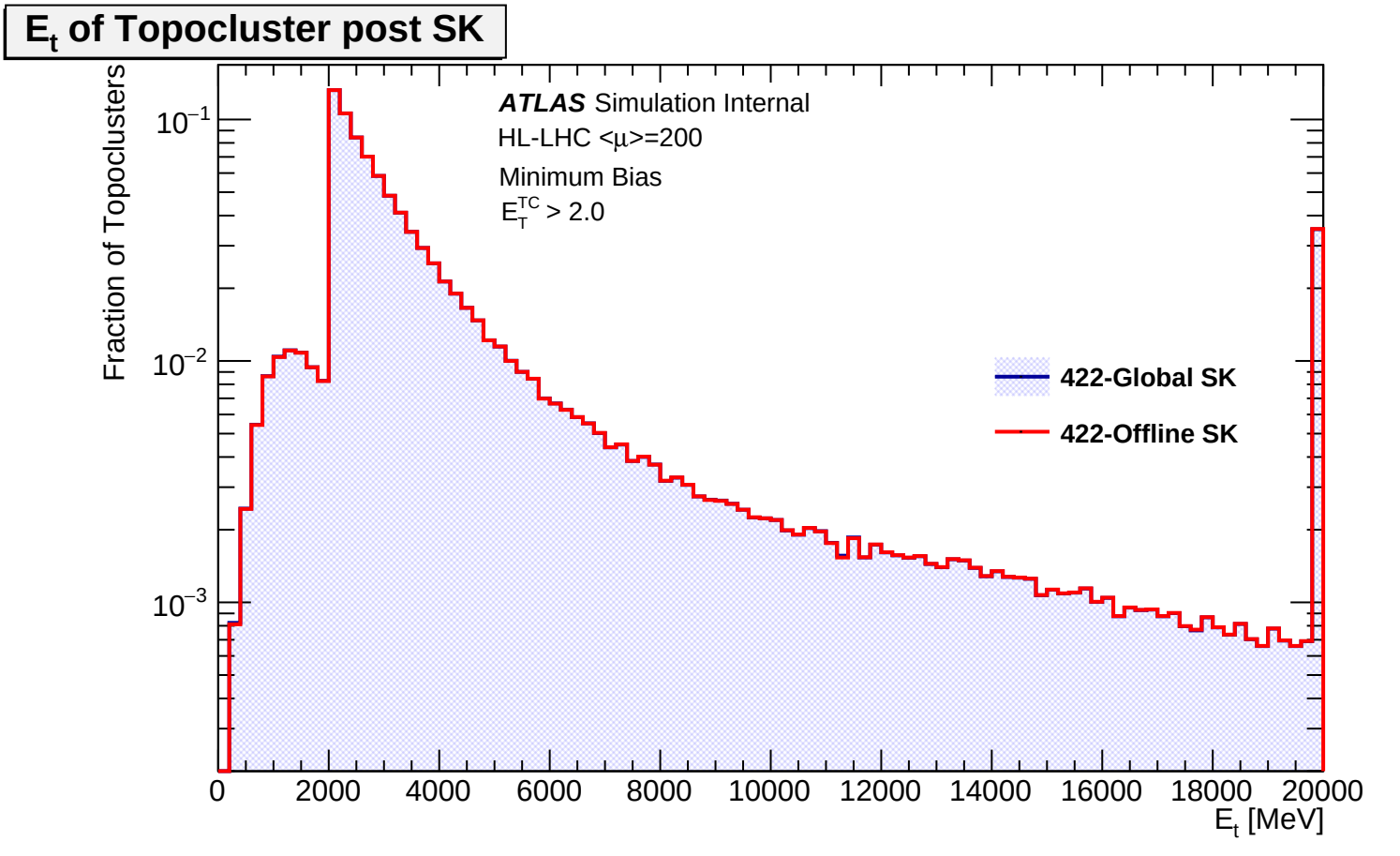
Number of Topoclusters



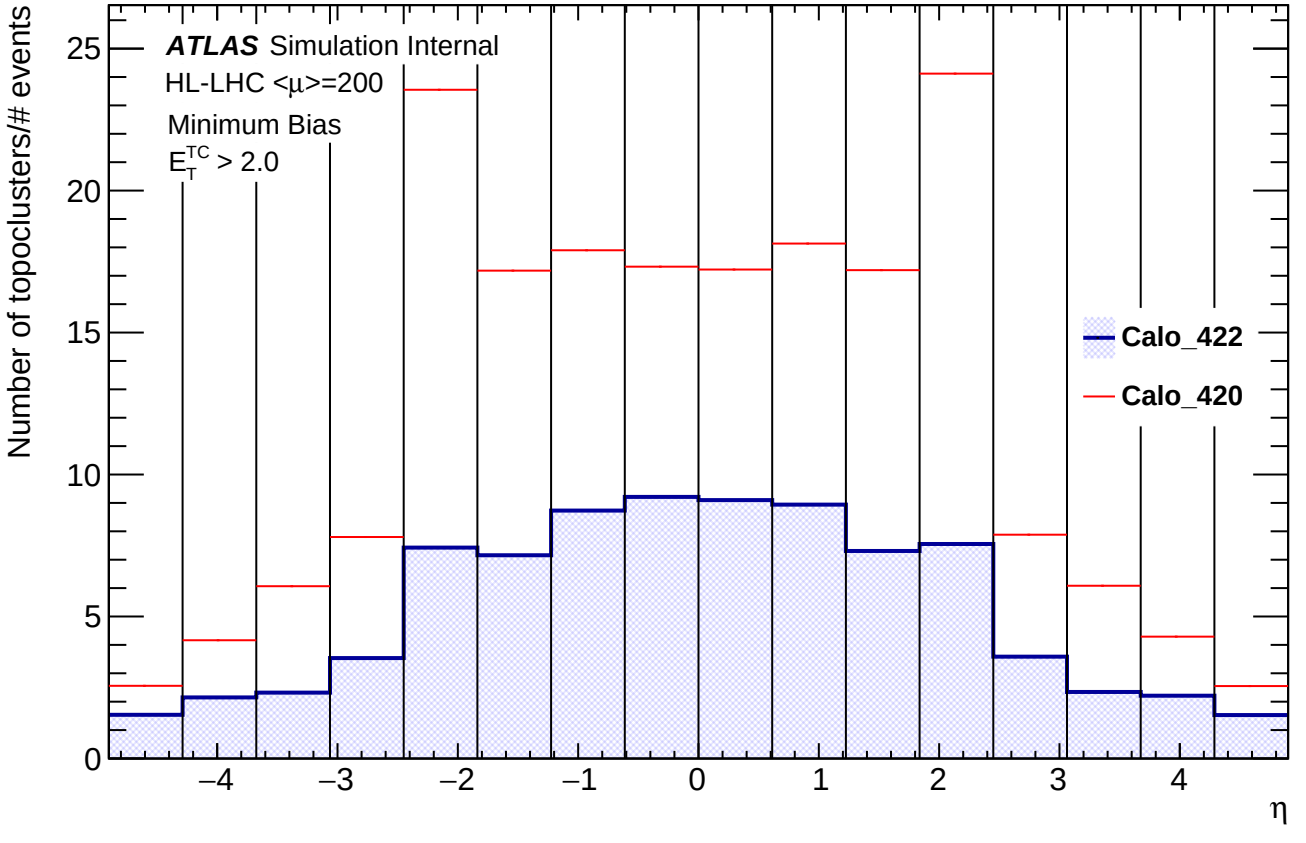
Cumulative Number of Topoclusters

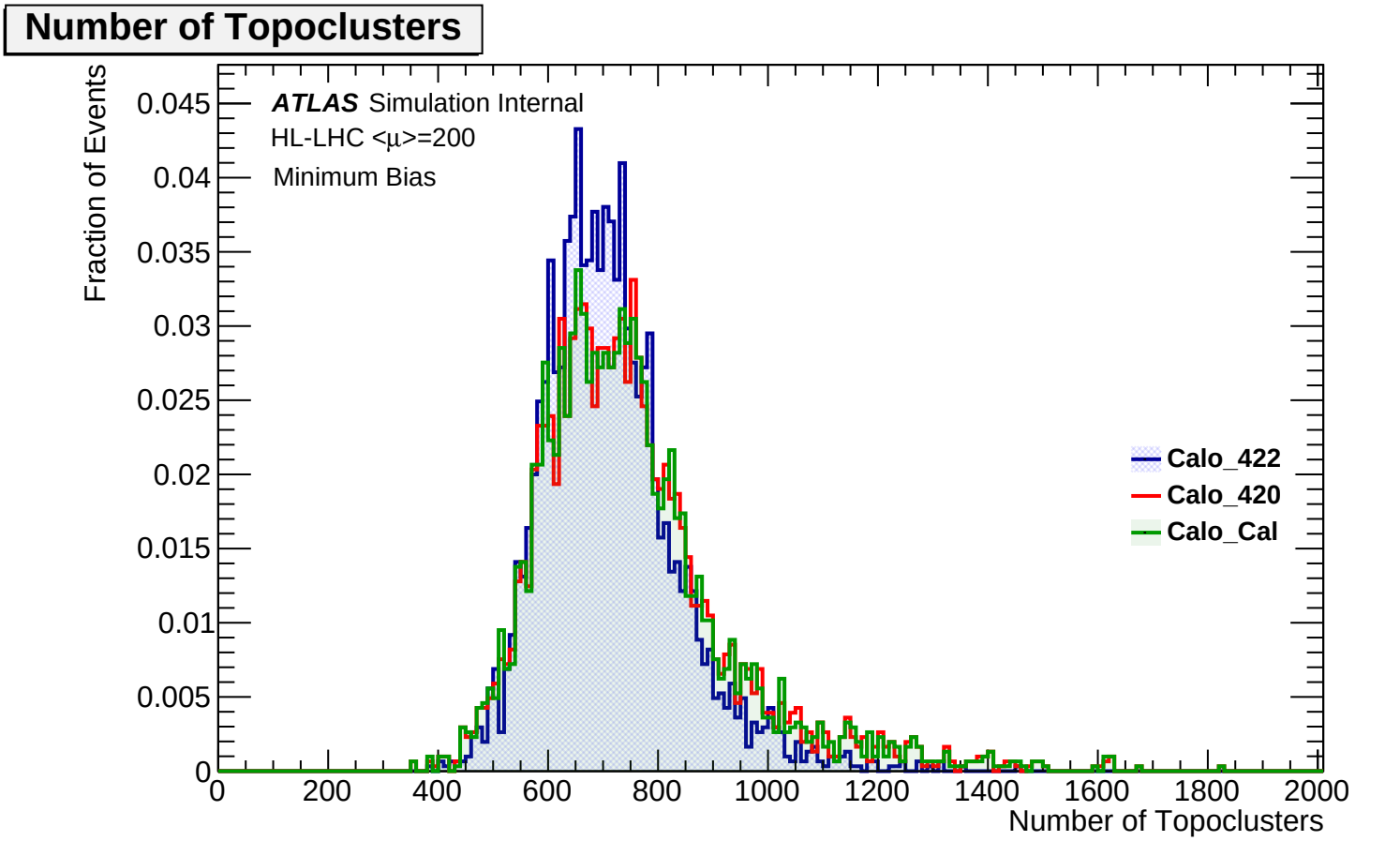



E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^TC > 2.0
Calo_422
Calo_420
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

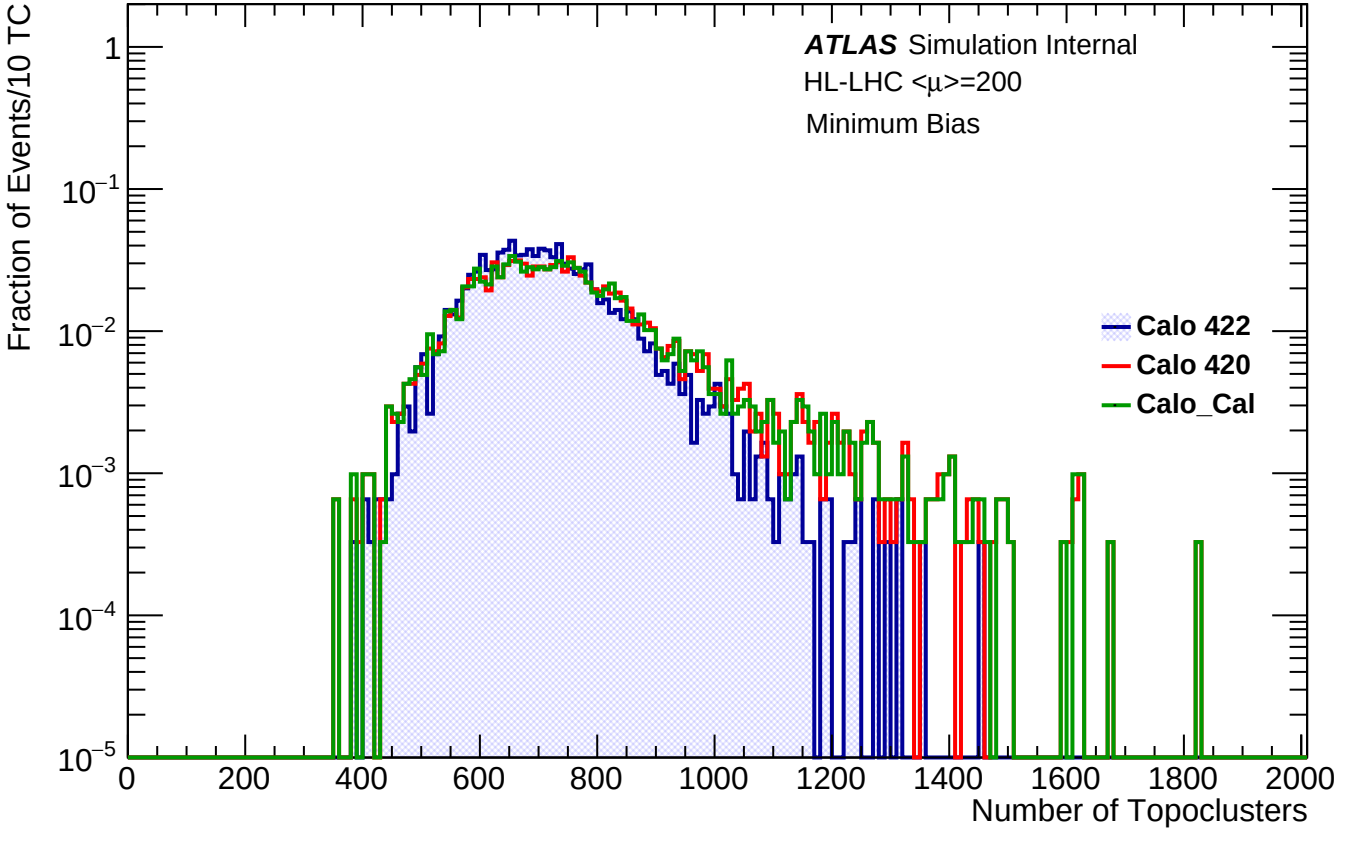

E_t of Topocluster post SK
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
E_T^{TC} > 2.0
422-Global SK
422-Offline SK
Fraction of Topoclusters
10^{-1}
10^{-2}
10^{-3}
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]

Average number of topoclusters as function of η

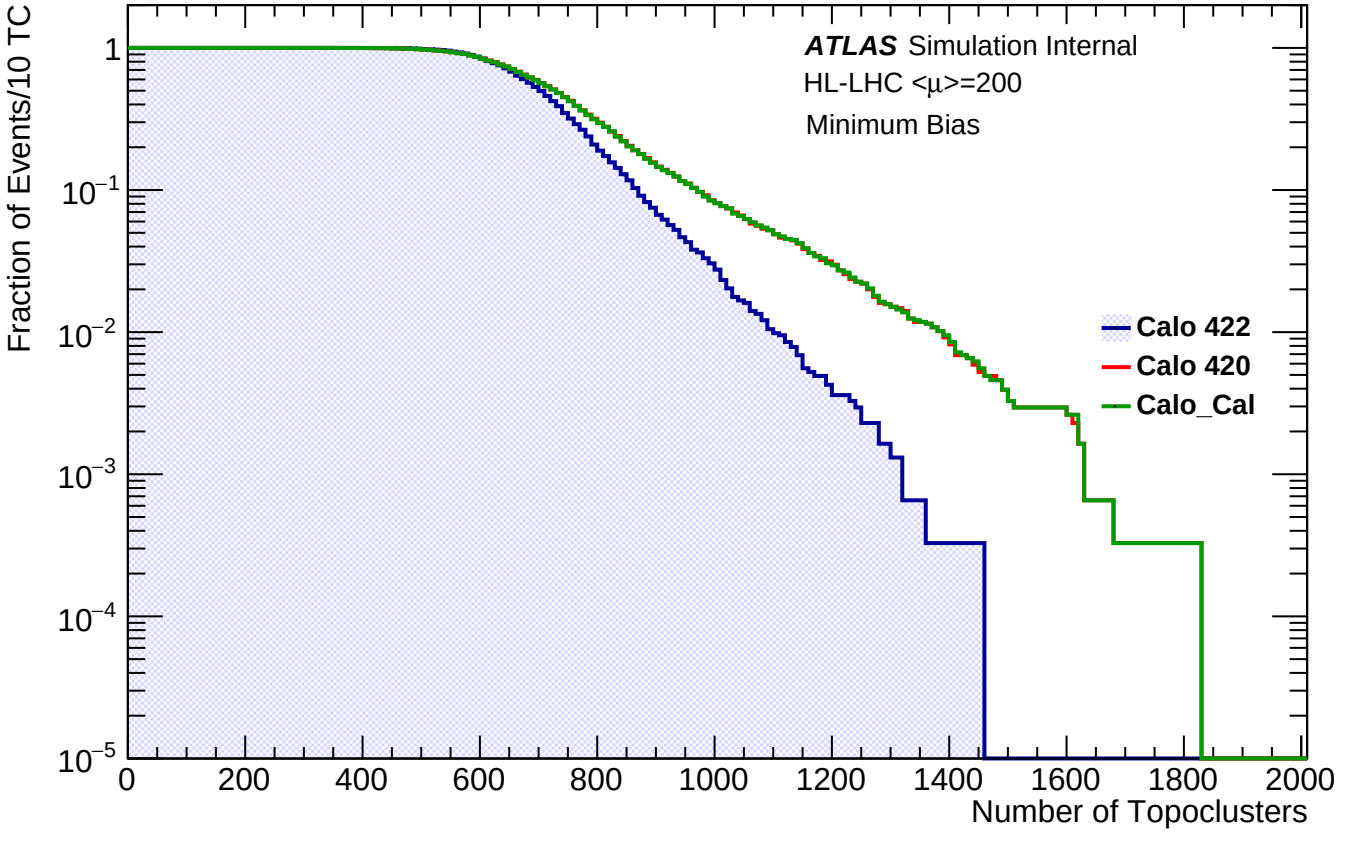


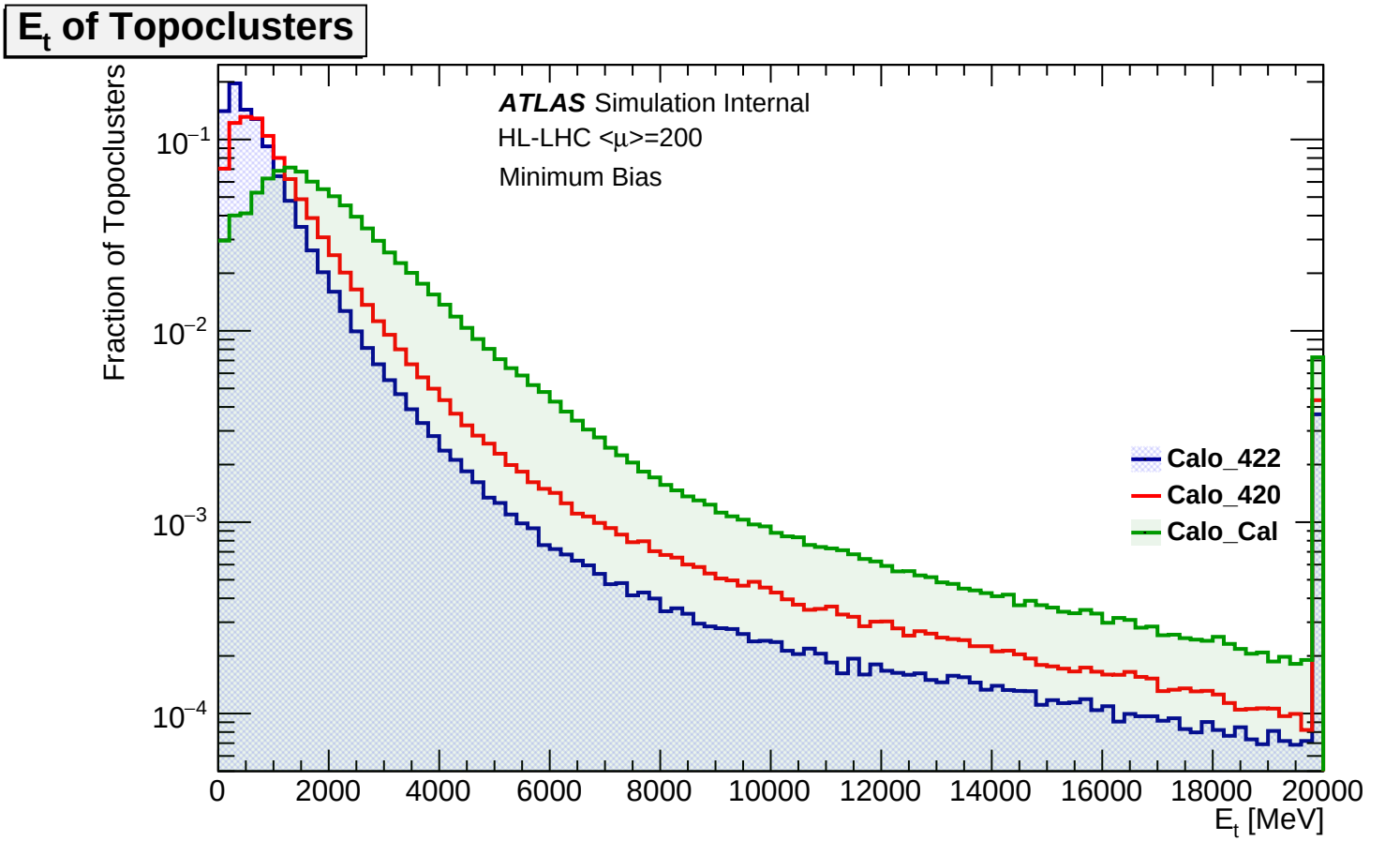
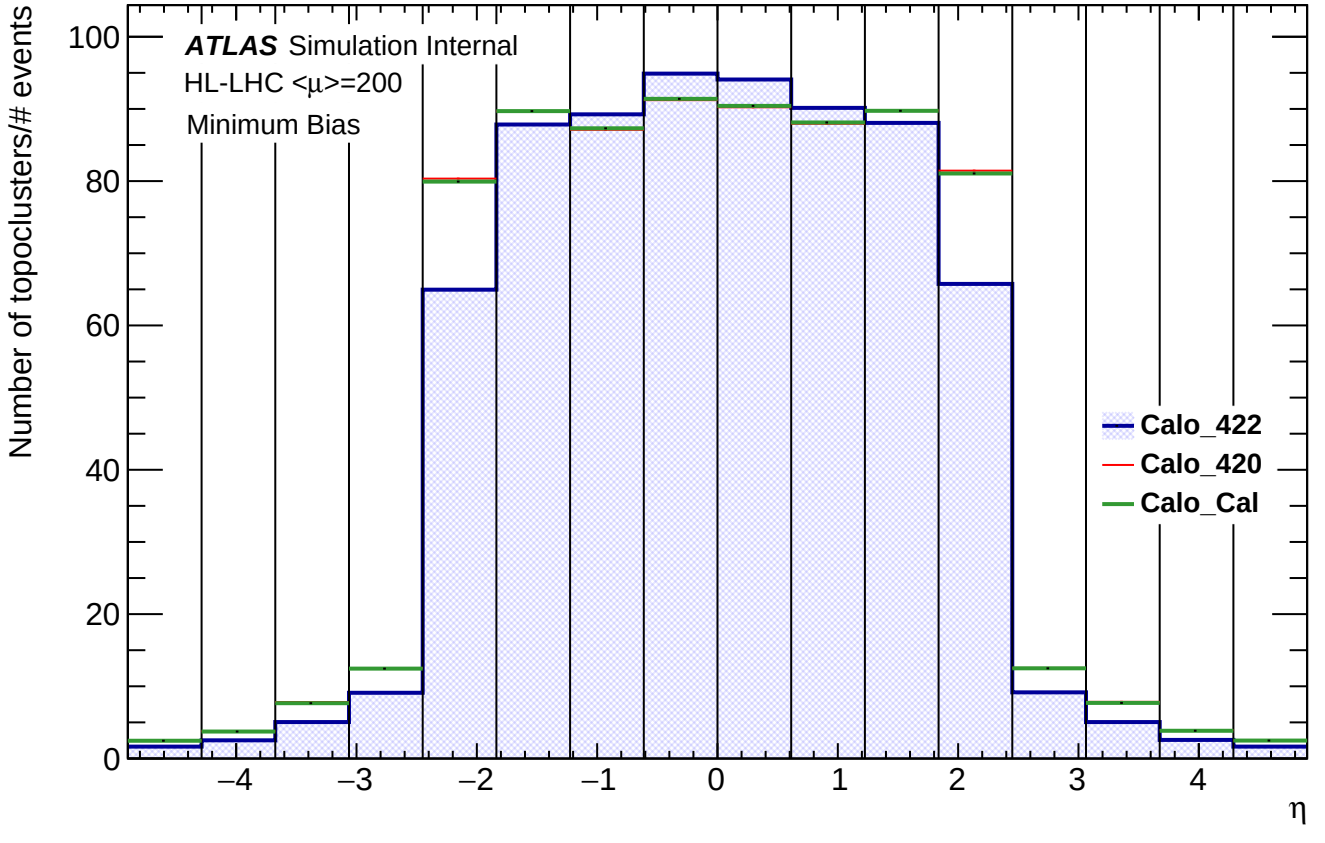

Number of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
Fraction of Events
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Number of Topoclusters
Calo_422
Calo_420
Calo_Cal

Number of Topoclusters



Cumulative Number of Topoclusters




E_t of Topoclusters
ATLAS Simulation Internal
HL-LHC <μ>=200
Minimum Bias
Fraction of Topoclusters
10^-1
10^-2
10^-3
10^-4
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
E_t [MeV]
Calo_422
Calo_420
Calo_Cal

Average number of topoclusters as function of η