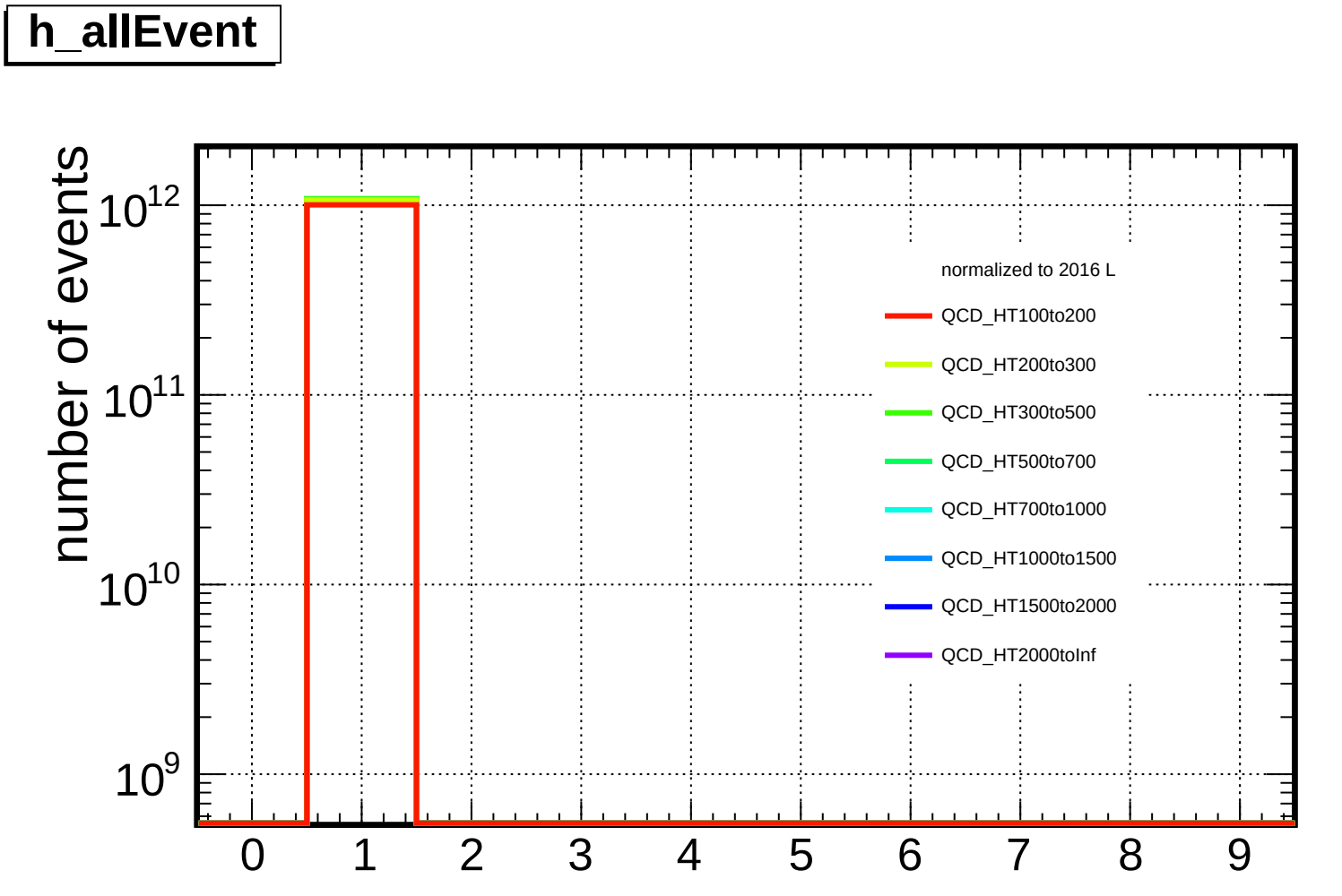
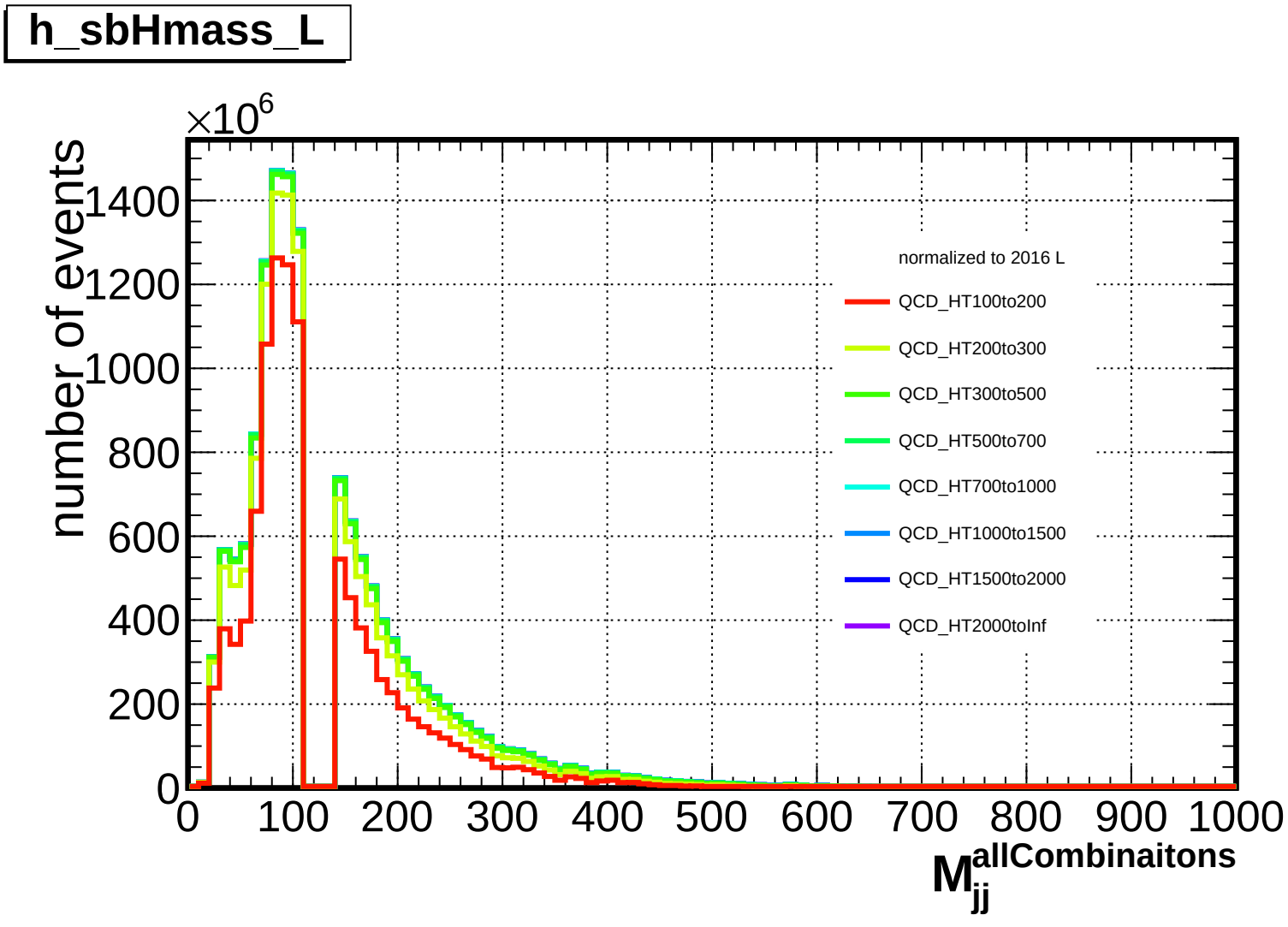
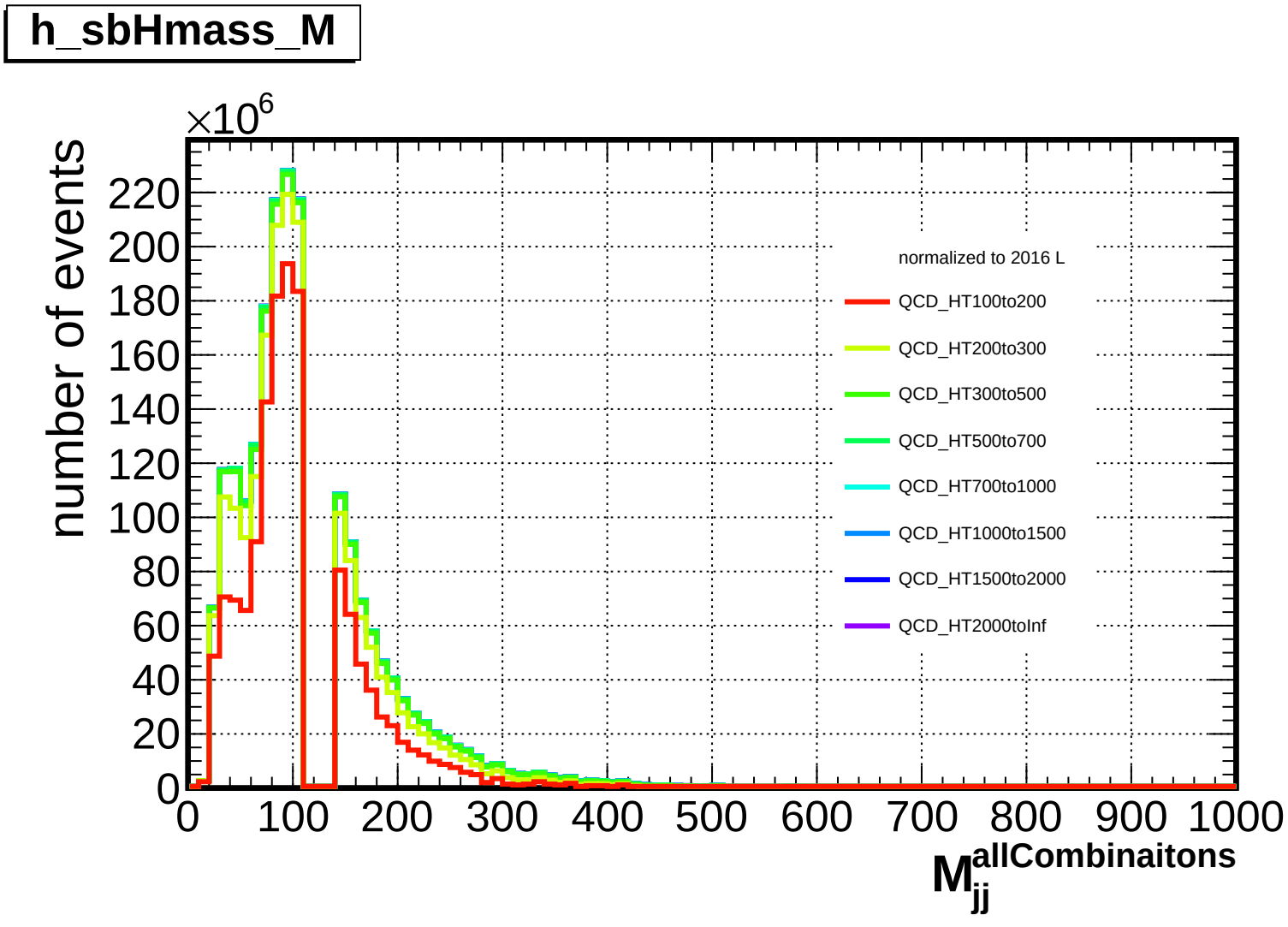
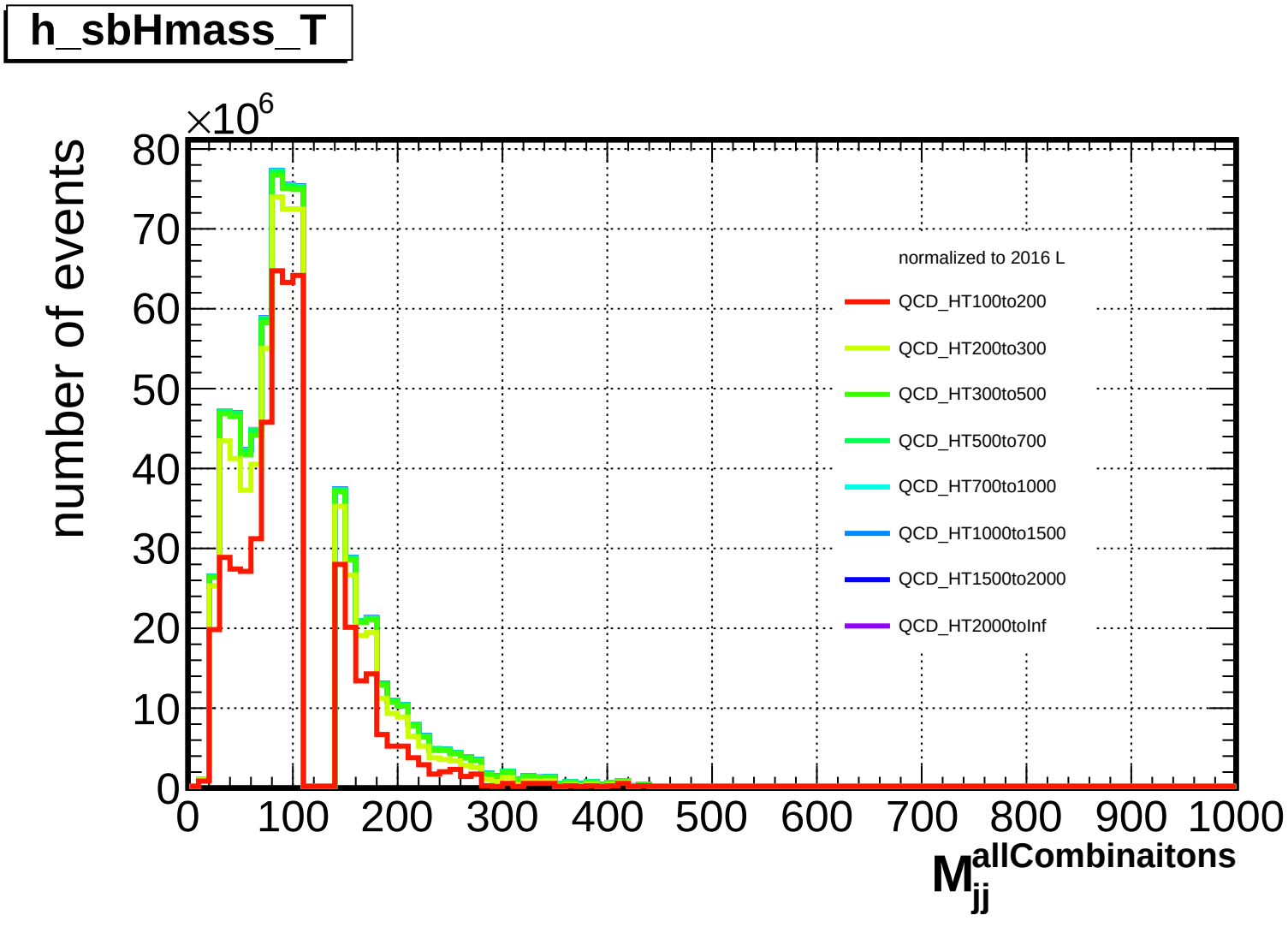
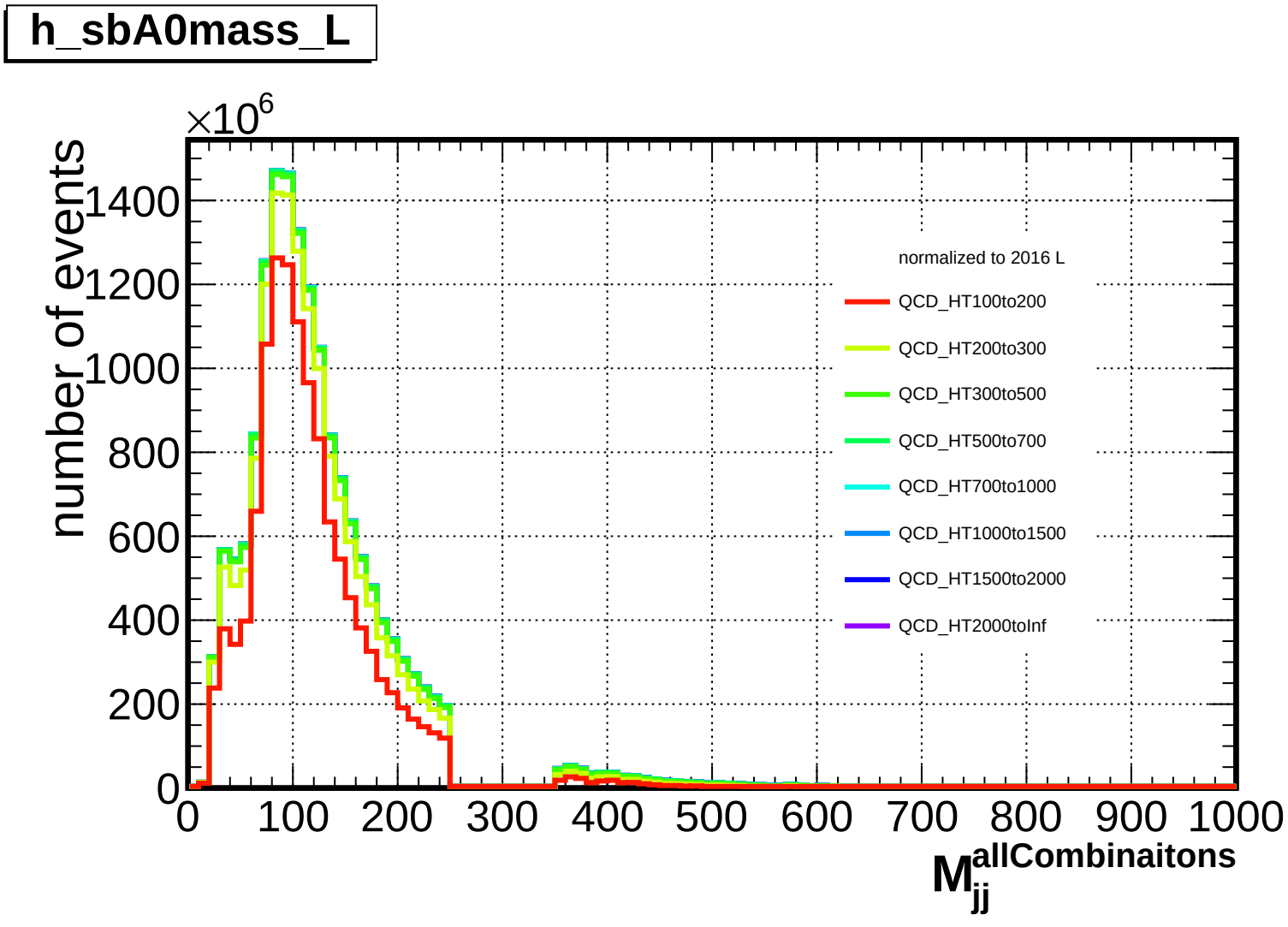
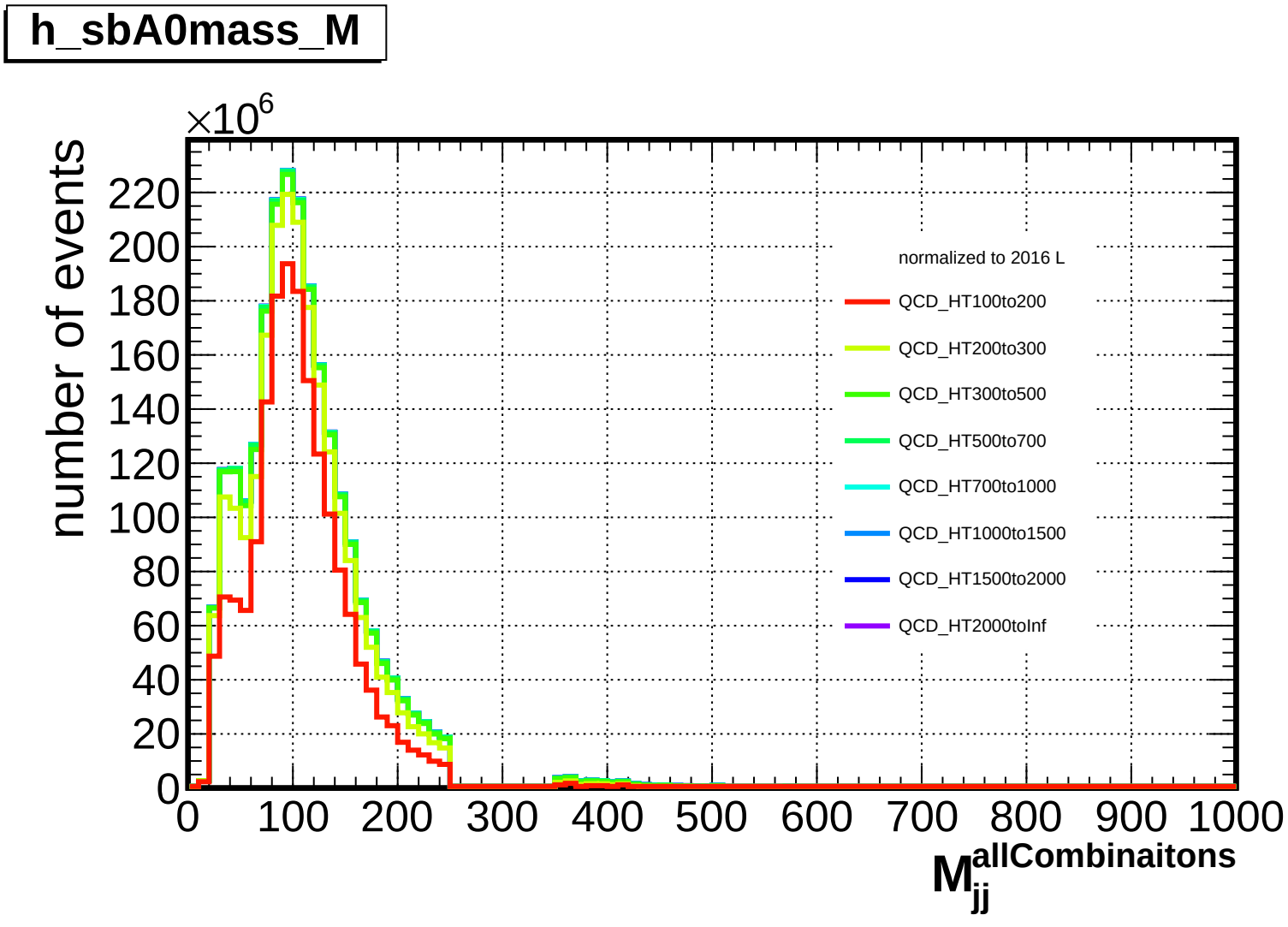

h_allEvent
number of events
10^{12}
10^{11}
10^{10}
10^{9}
0
1
2
3
4
5
6
7
8
9
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

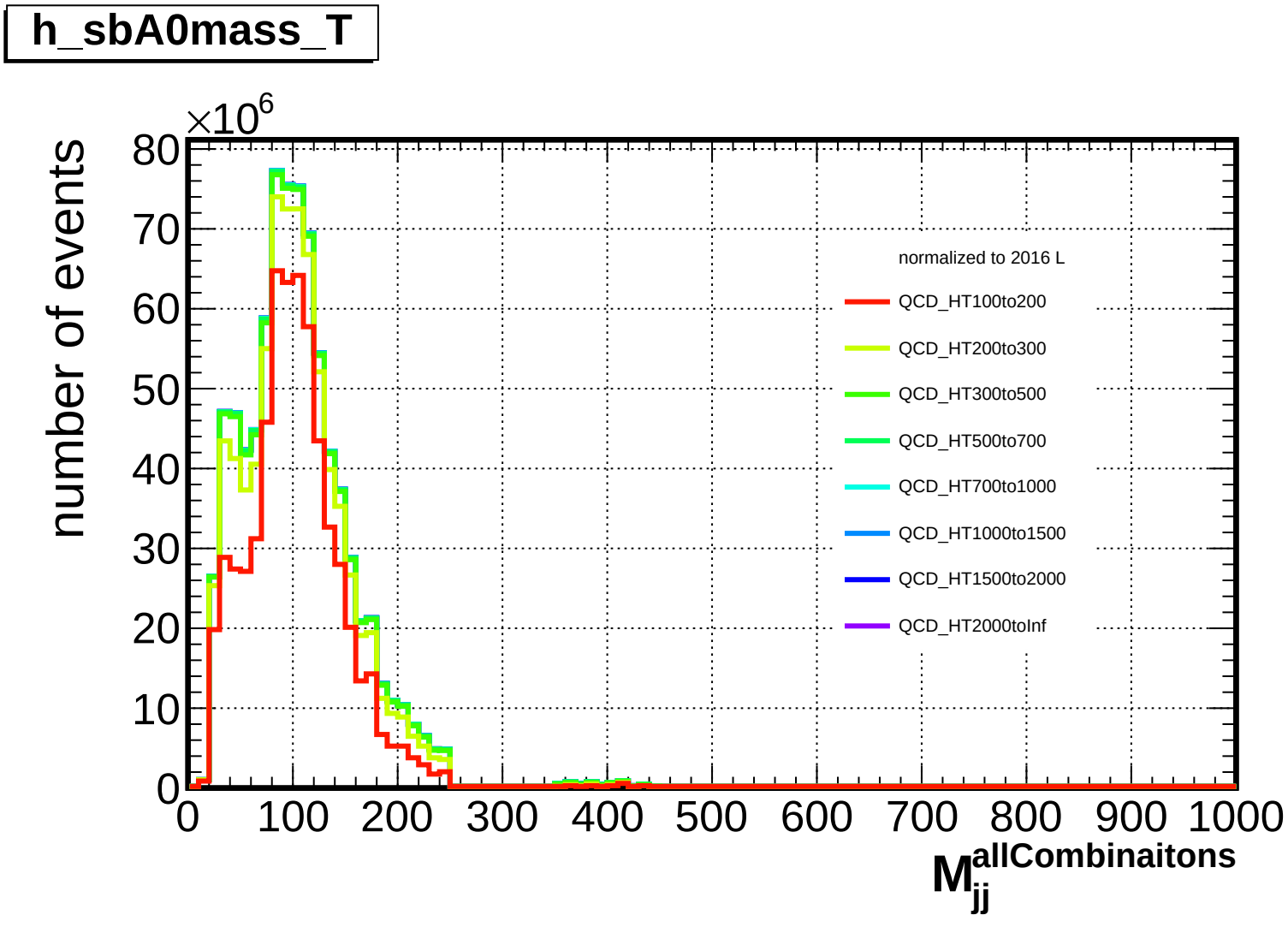

h_sbHmass_L
×10^6
number of events
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
M_jj^allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

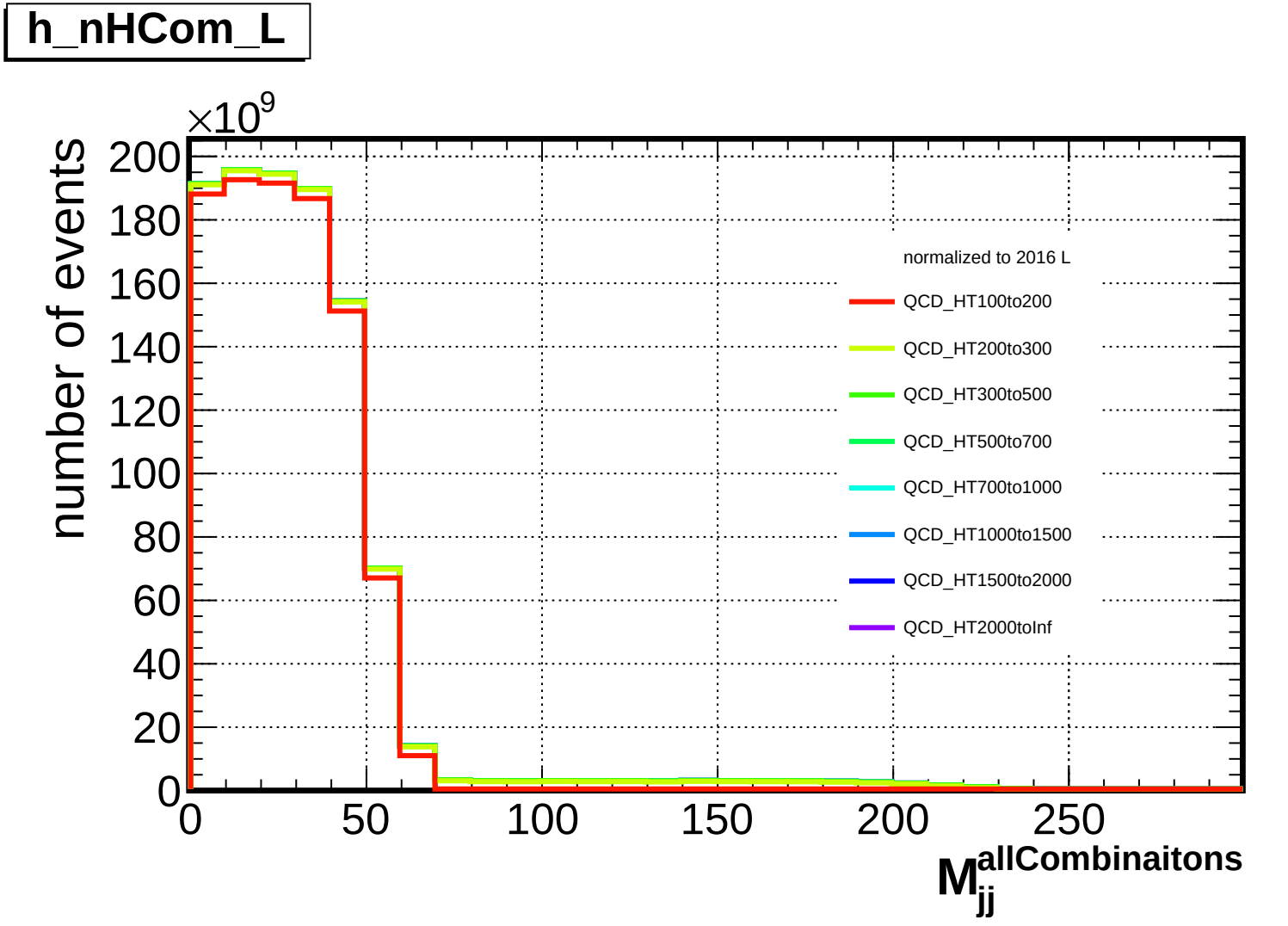

h_sbHmass_M
×10^6
number of events
220
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
600
700
800
900
1000
M_jj allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

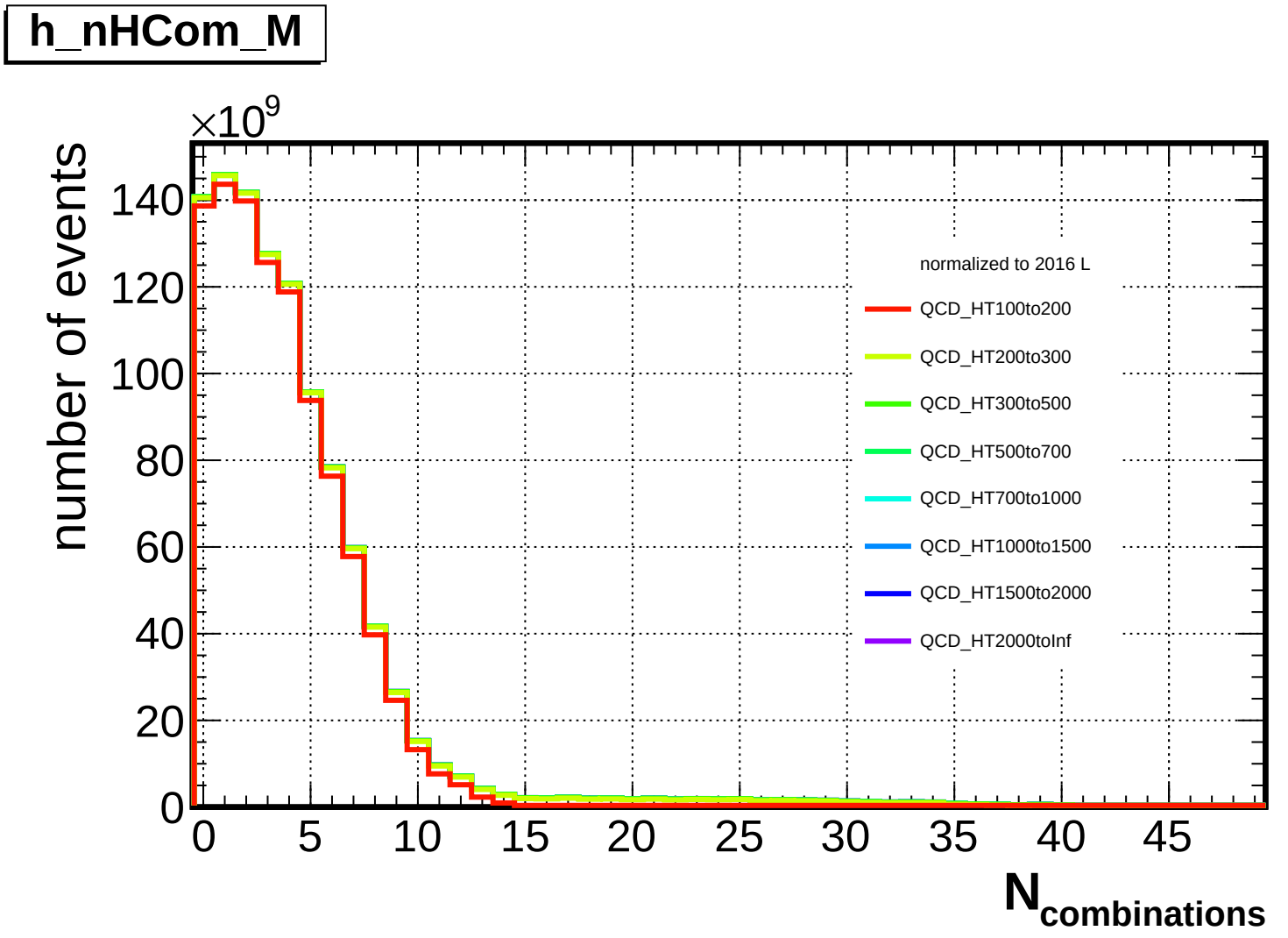

h_sbHmass_T
×10^6
number of events
80
70
60
50
40
30
20
10
0
0
100
200
300
400
500
600
700
800
900
1000
M_jj^allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

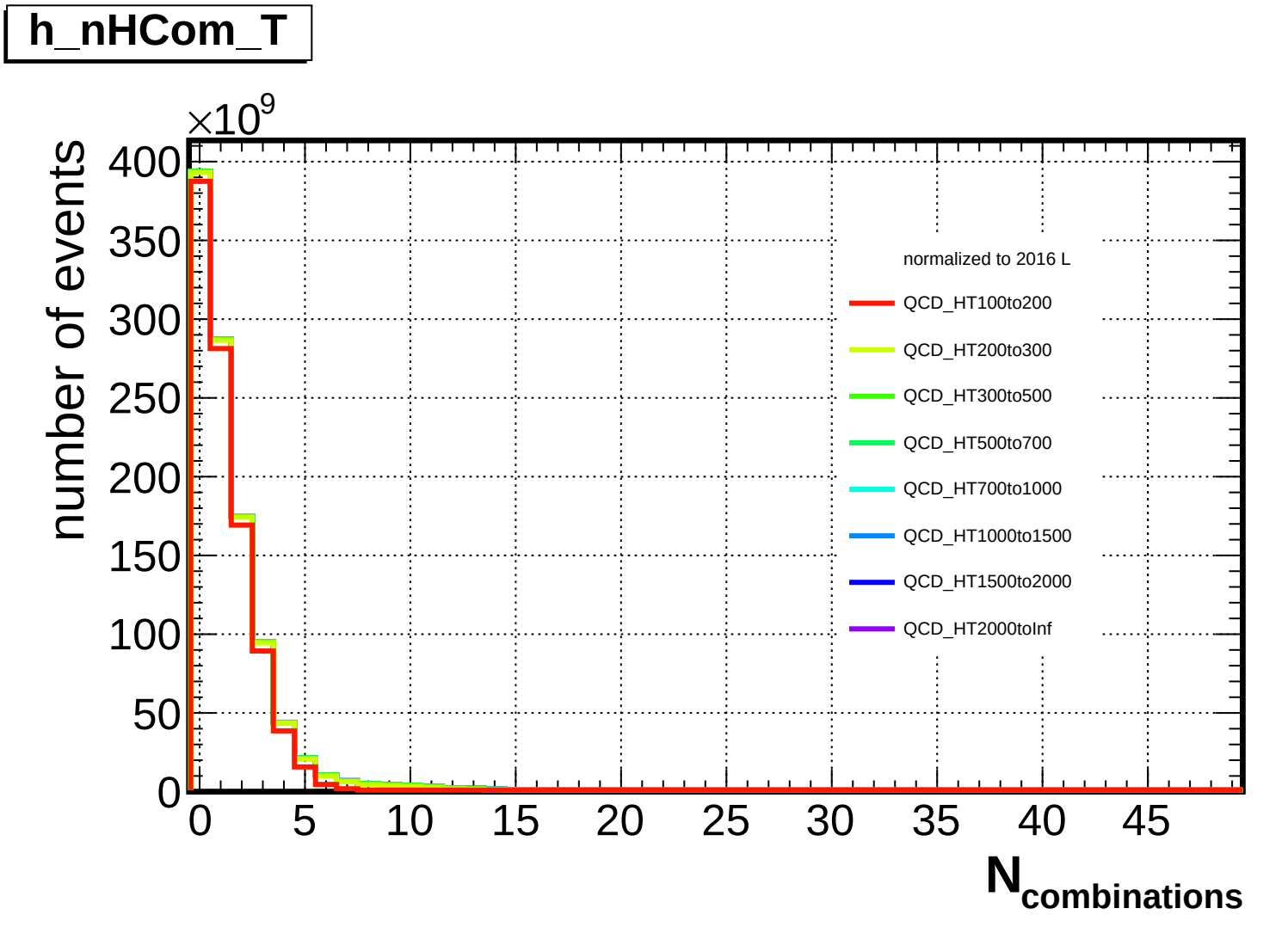

h_sbA0mass_L
×10^6
number of events
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
M_jj^allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

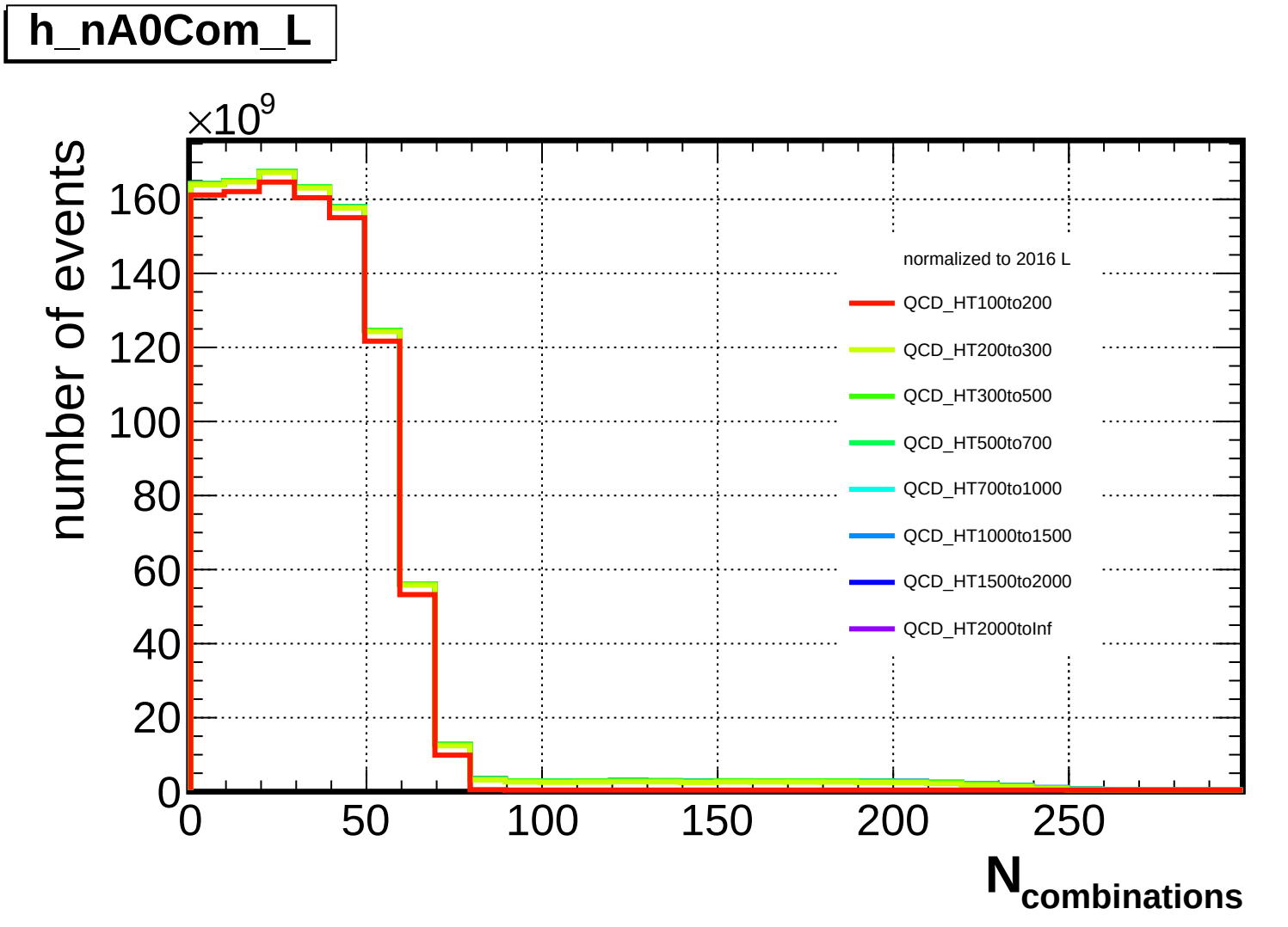

h_sbA0mass_M
×10^6
number of events
220
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
600
700
800
900
1000
M_jj^allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

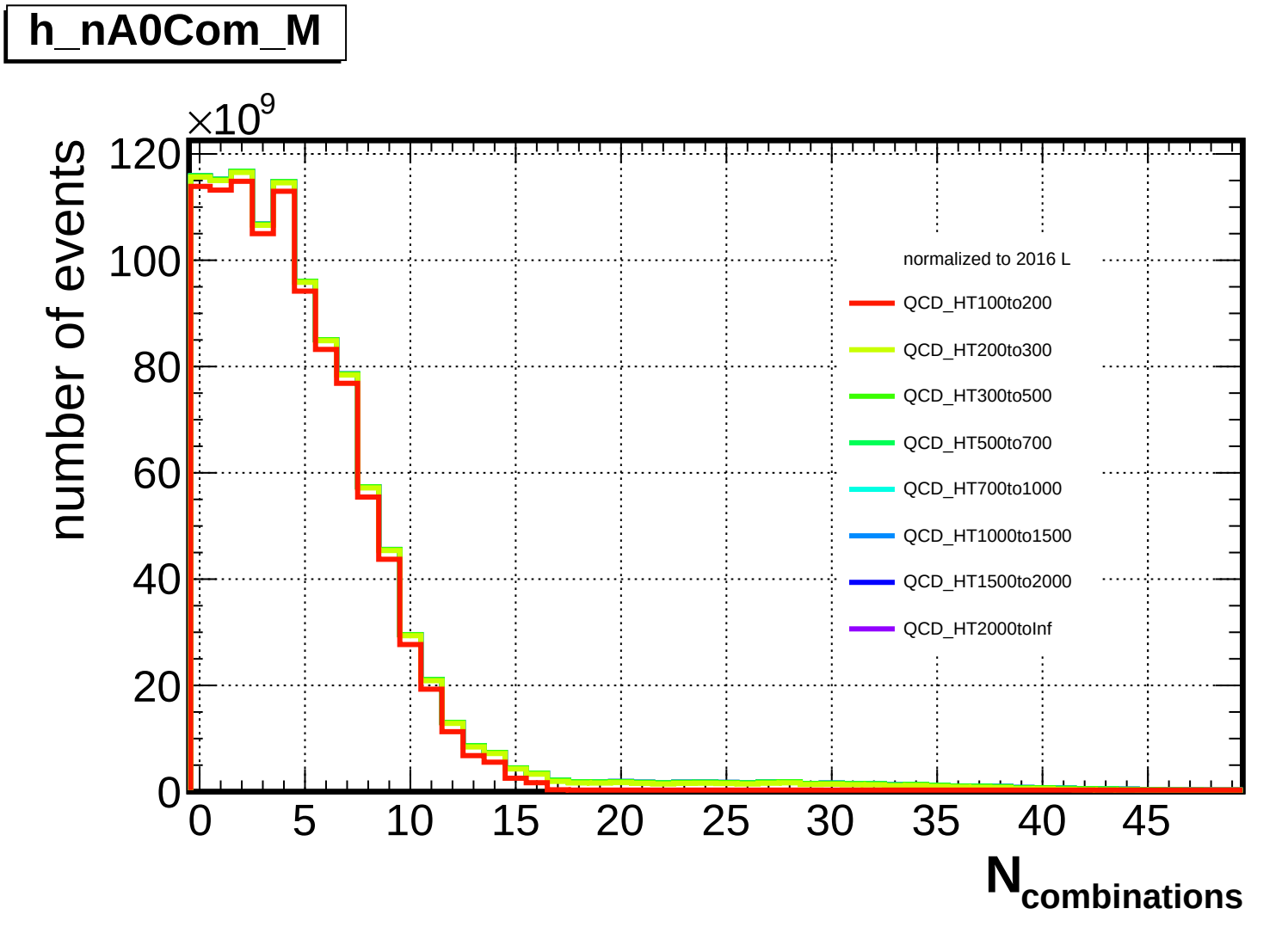

h_sbA0mass_T
×10^6
number of events
80
70
60
50
40
30
20
10
0
0
100
200
300
400
500
600
700
800
900
1000
M^allCombinaitons_jj
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf

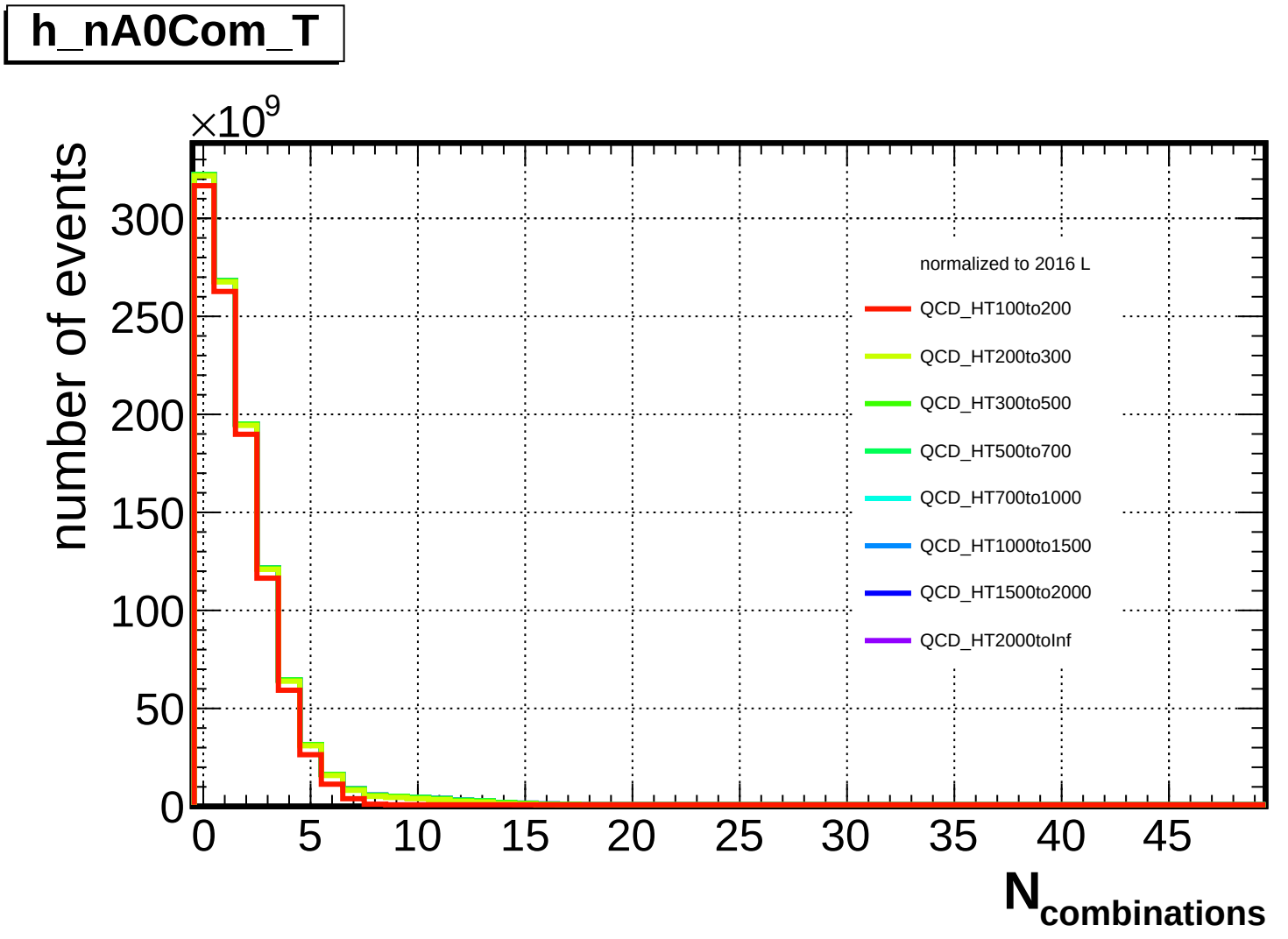

h_nHCom_L
×10^9
number of events
200
180
160
140
120
100
80
60
40
20
0
0
50
100
150
200
250
M_jj allCombinaitons
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf


h_nHCom_M
×10^9
number of events
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
N combinations
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf


h_nHCom_T
×10^9
number of events
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
N combinations
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf


h_nA0Com_L
×10^9
number of events
160
140
120
100
80
60
40
20
0
0
50
100
150
200
250
N combinations
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf


h_nA0Com_M
×10^9
number of events
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
N combinations
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf


h_nA0Com_T
×10^9
number of events
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
N combinations
normalized to 2016 L
QCD_HT100to200
QCD_HT200to300
QCD_HT300to500
QCD_HT500to700
QCD_HT700to1000
QCD_HT1000to1500
QCD_HT1500to2000
QCD_HT2000toInf