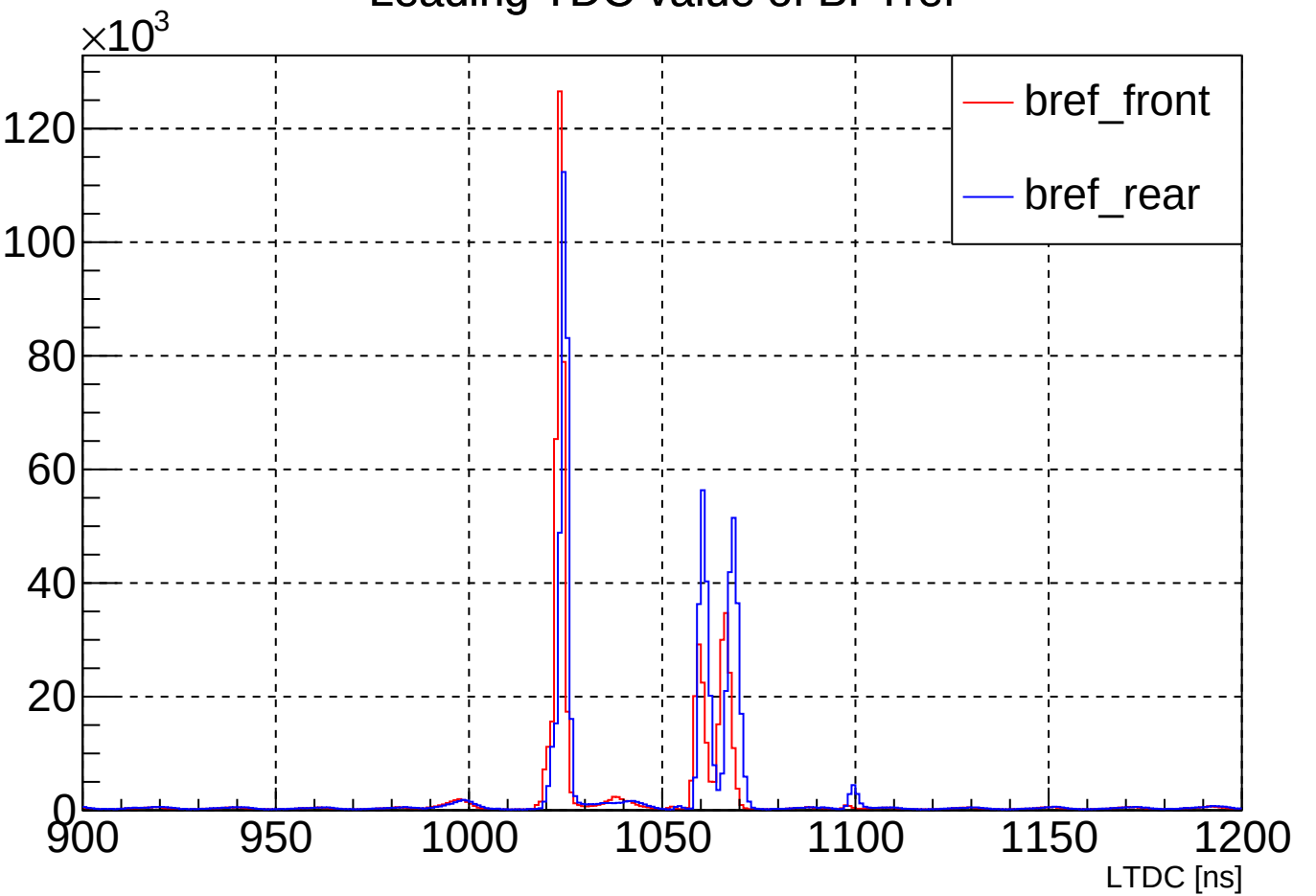
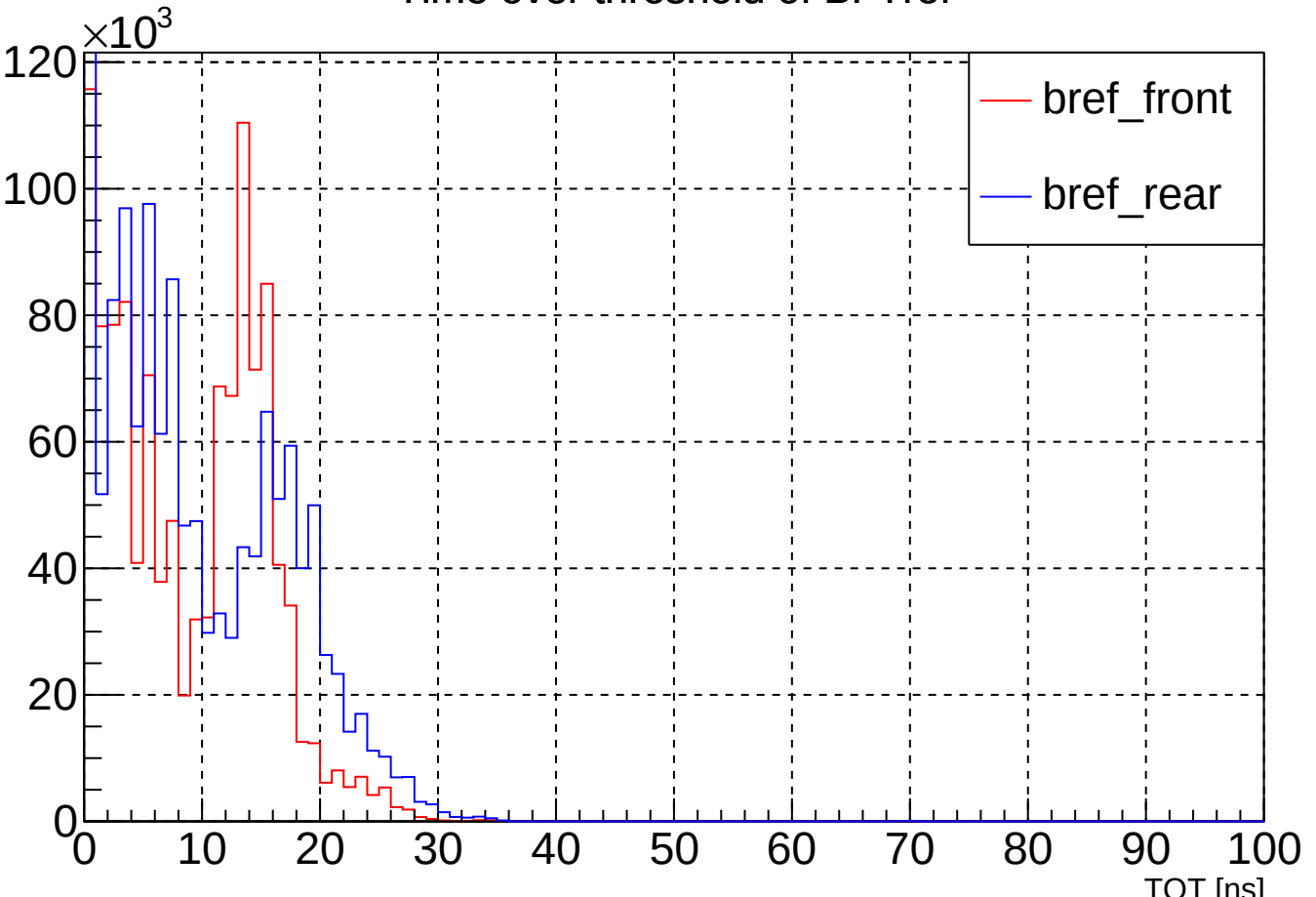
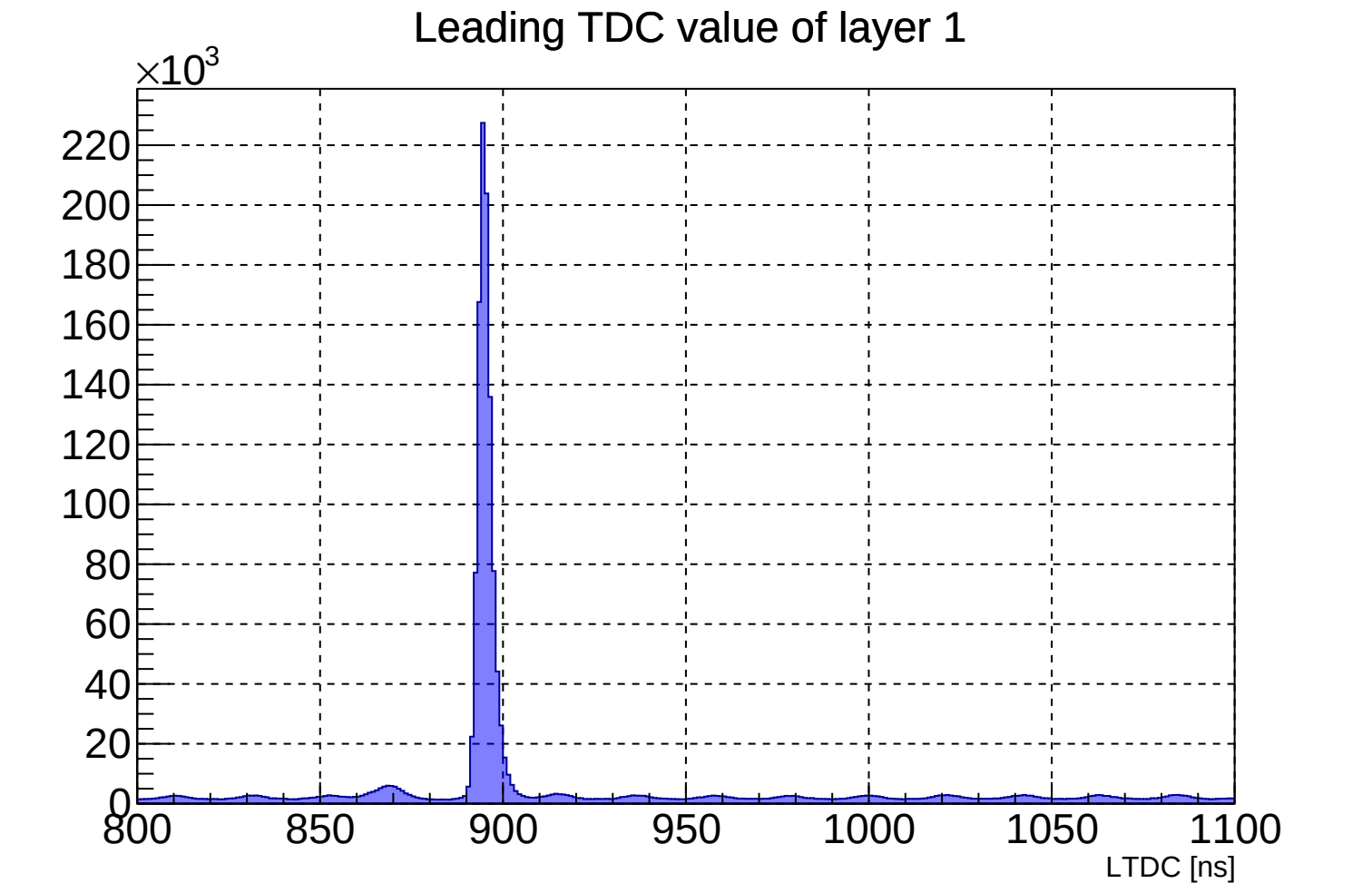
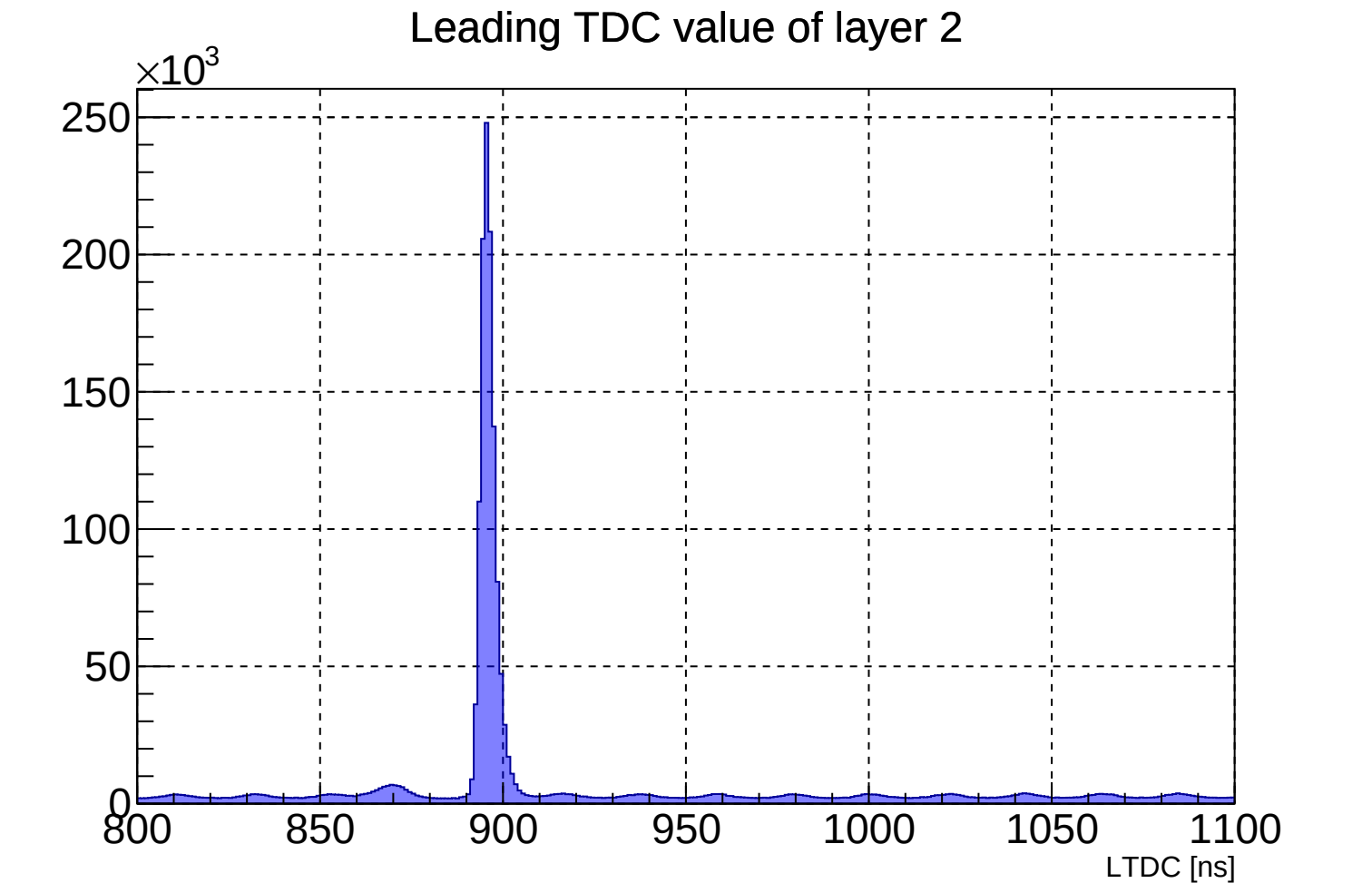
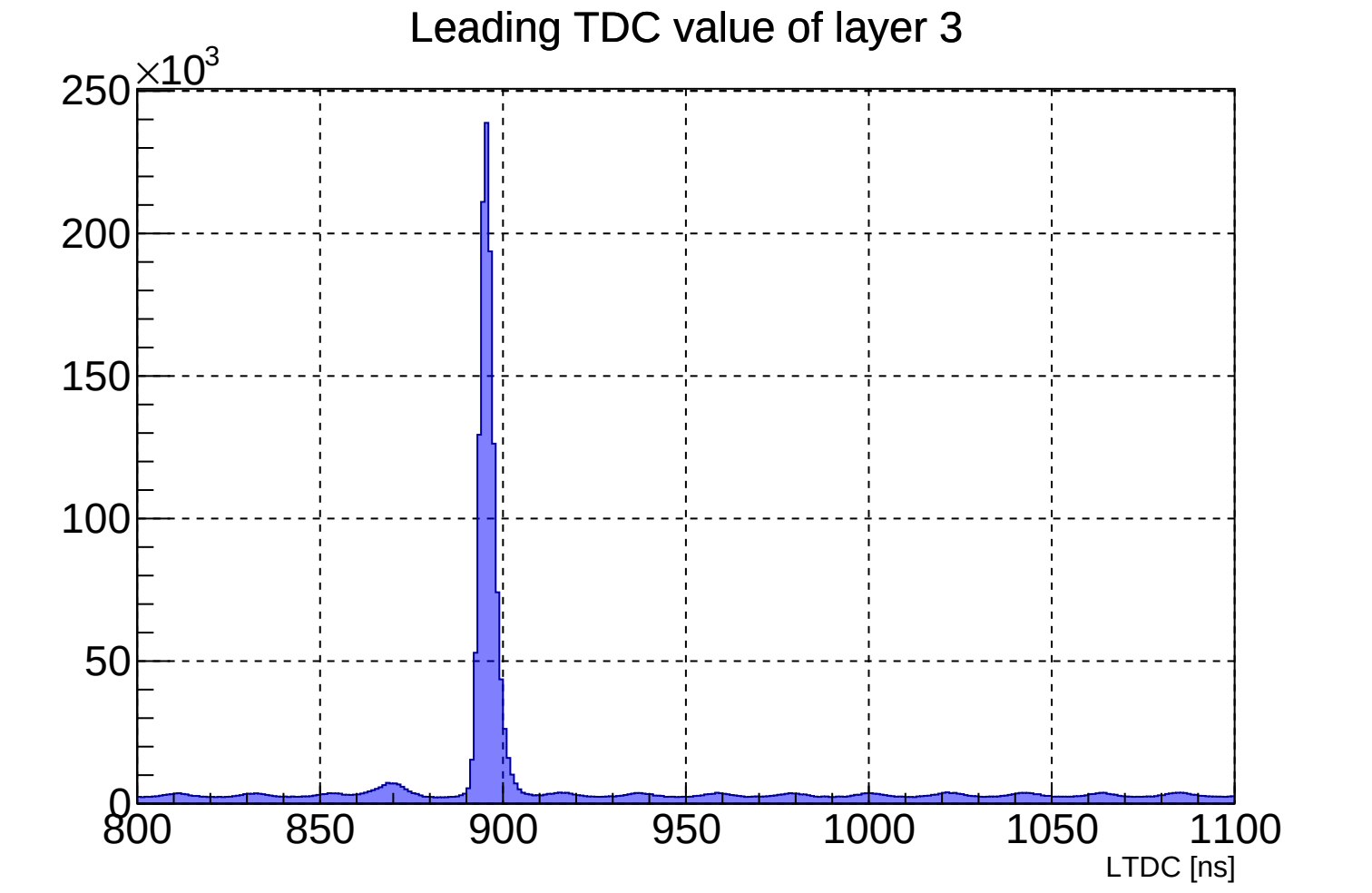
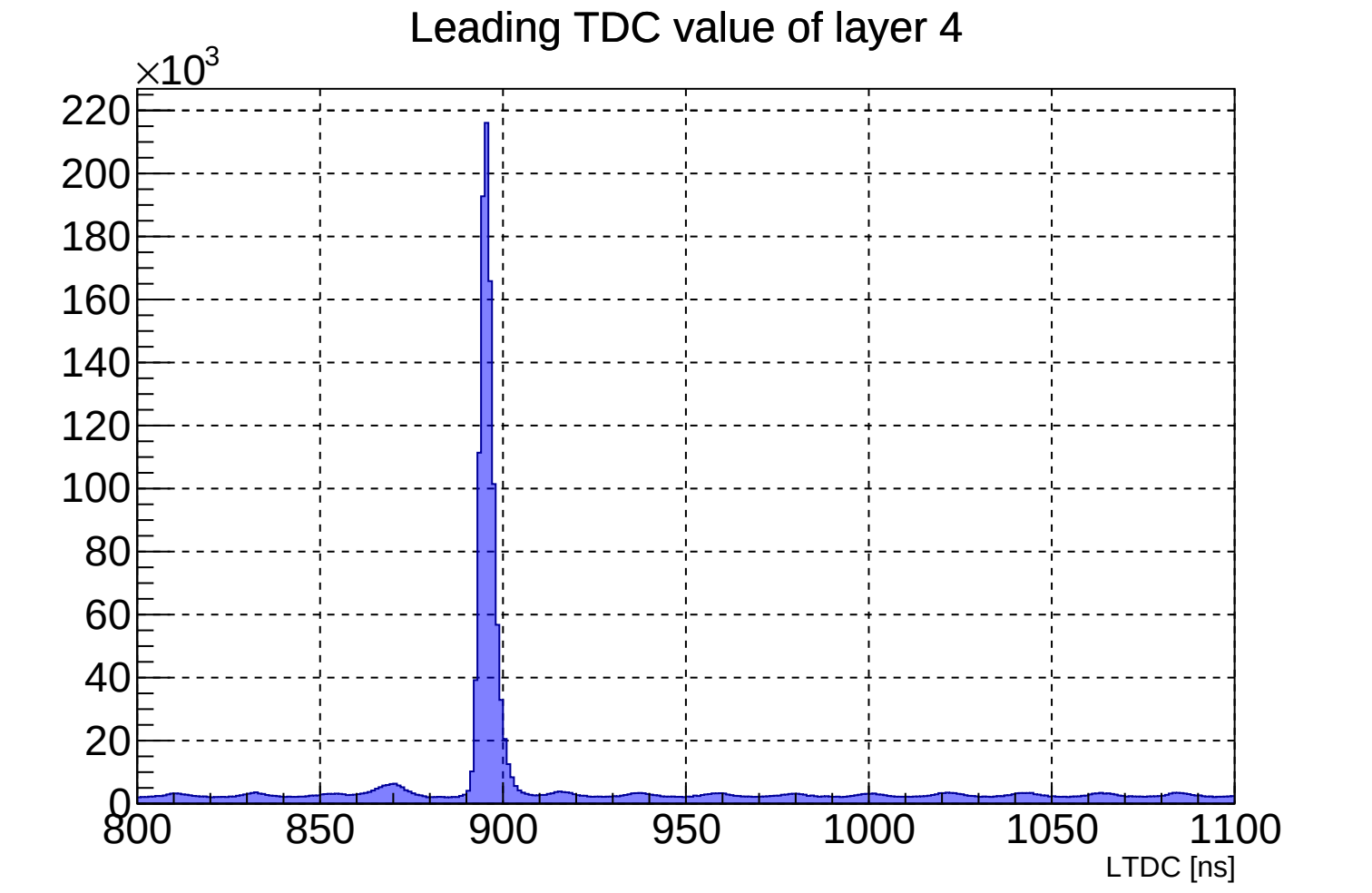

Leading TDC value of BFTref
×10^3
120
100
80
60
40
20
0
900
950
1000
1050
1100
1150
1200
LTDC [ns]
bref_front
bref_rear

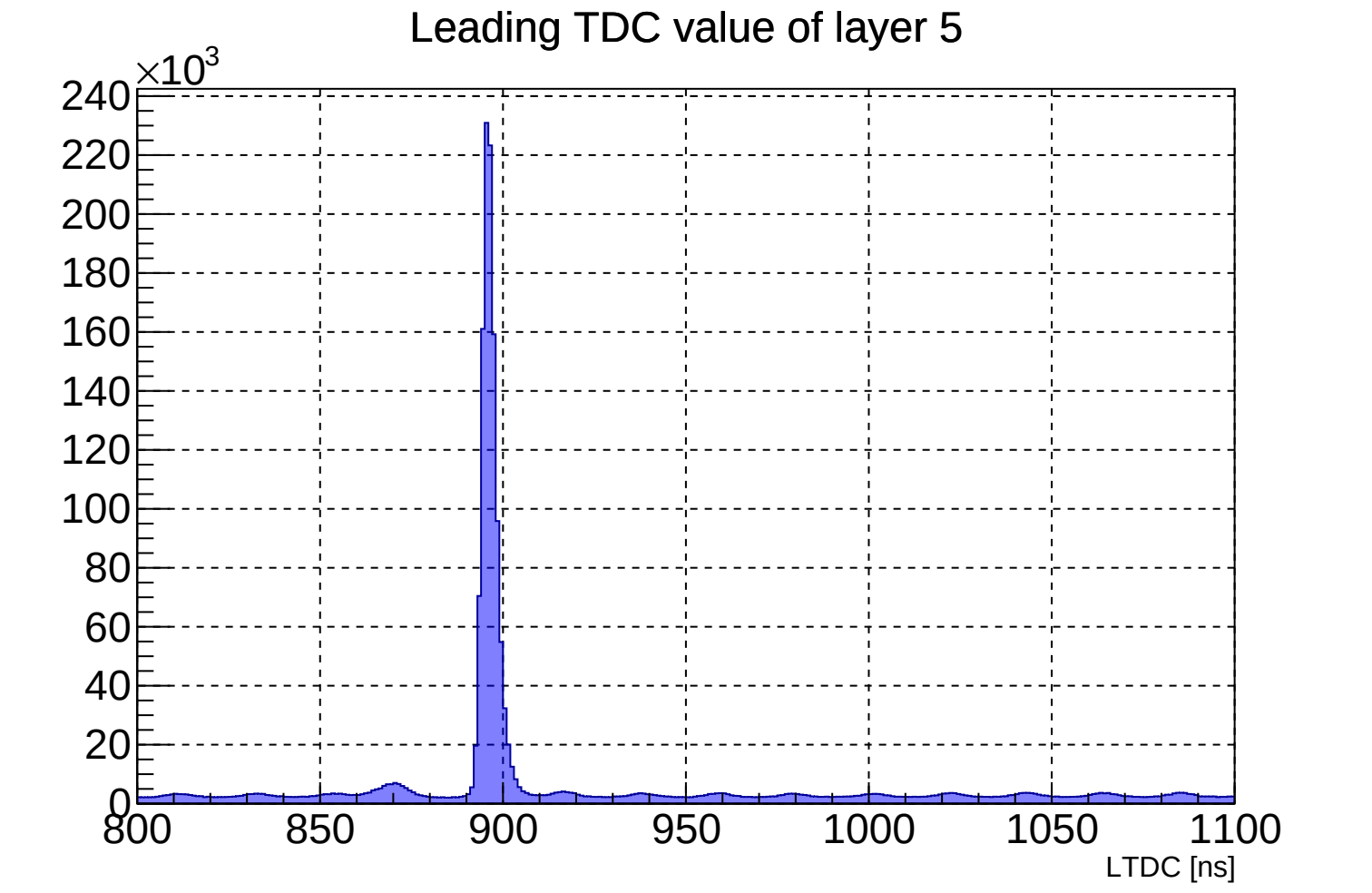

Time over threshold of BFTref
×10^3
120
100
80
60
40
20
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]
bref_front
bref_rear

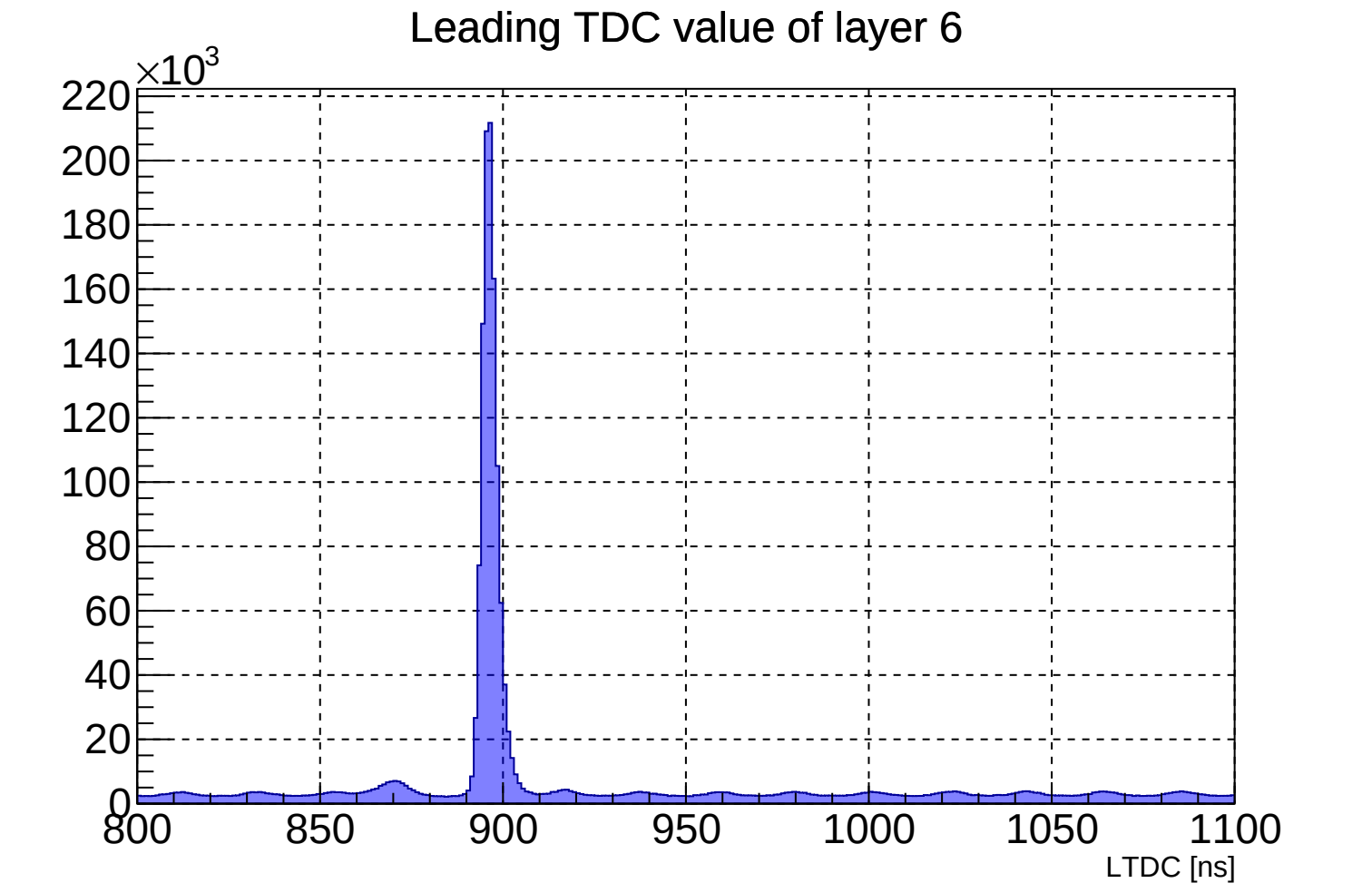

Leading TDC value of layer 1
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
800
850
900
950
1000
1050
1100
LTDC [ns]

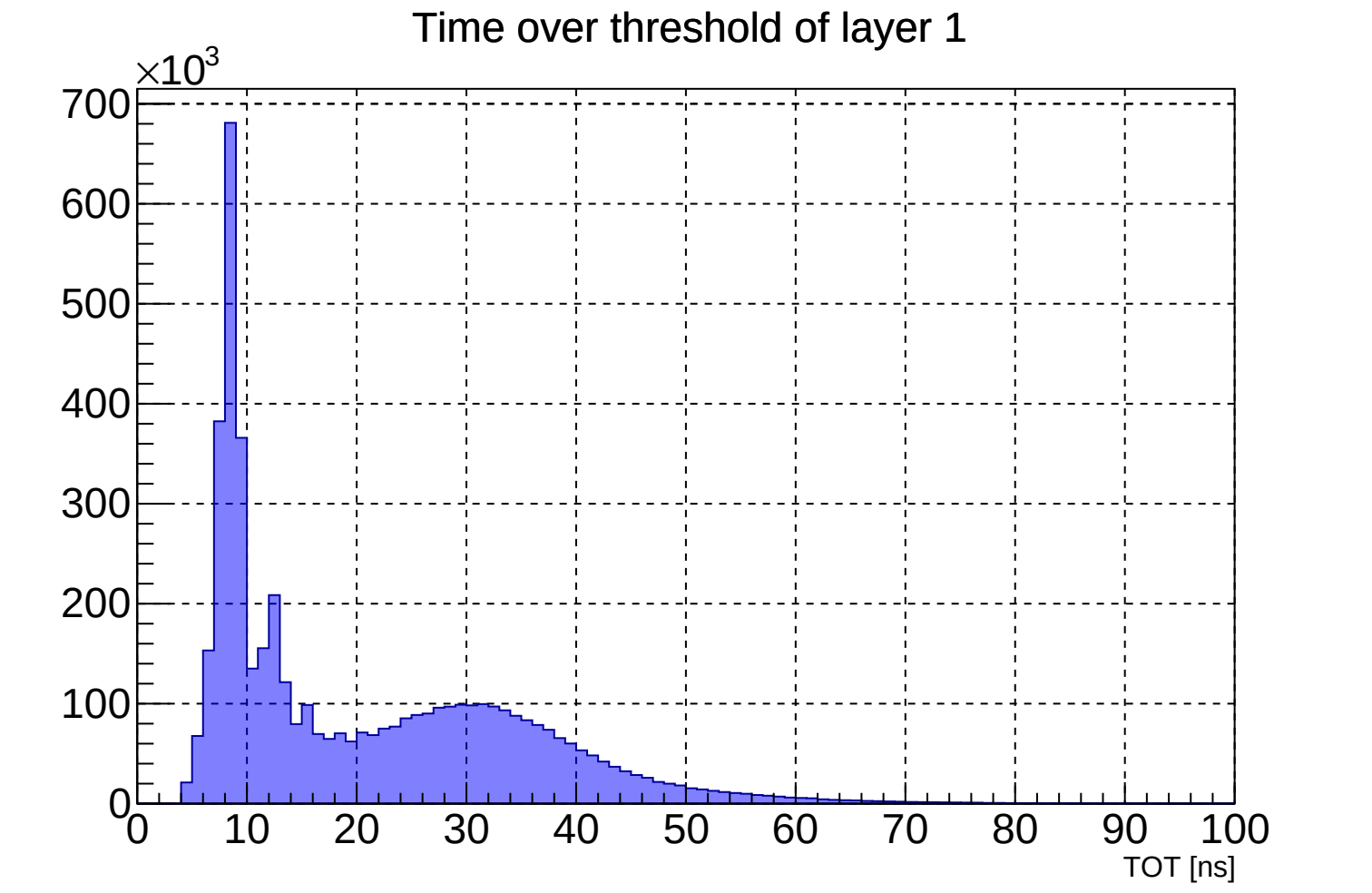

Leading TDC value of layer 2
×10^3
250
200
150
100
50
0
800
850
900
950
1000
1050
1100
LTDC [ns]

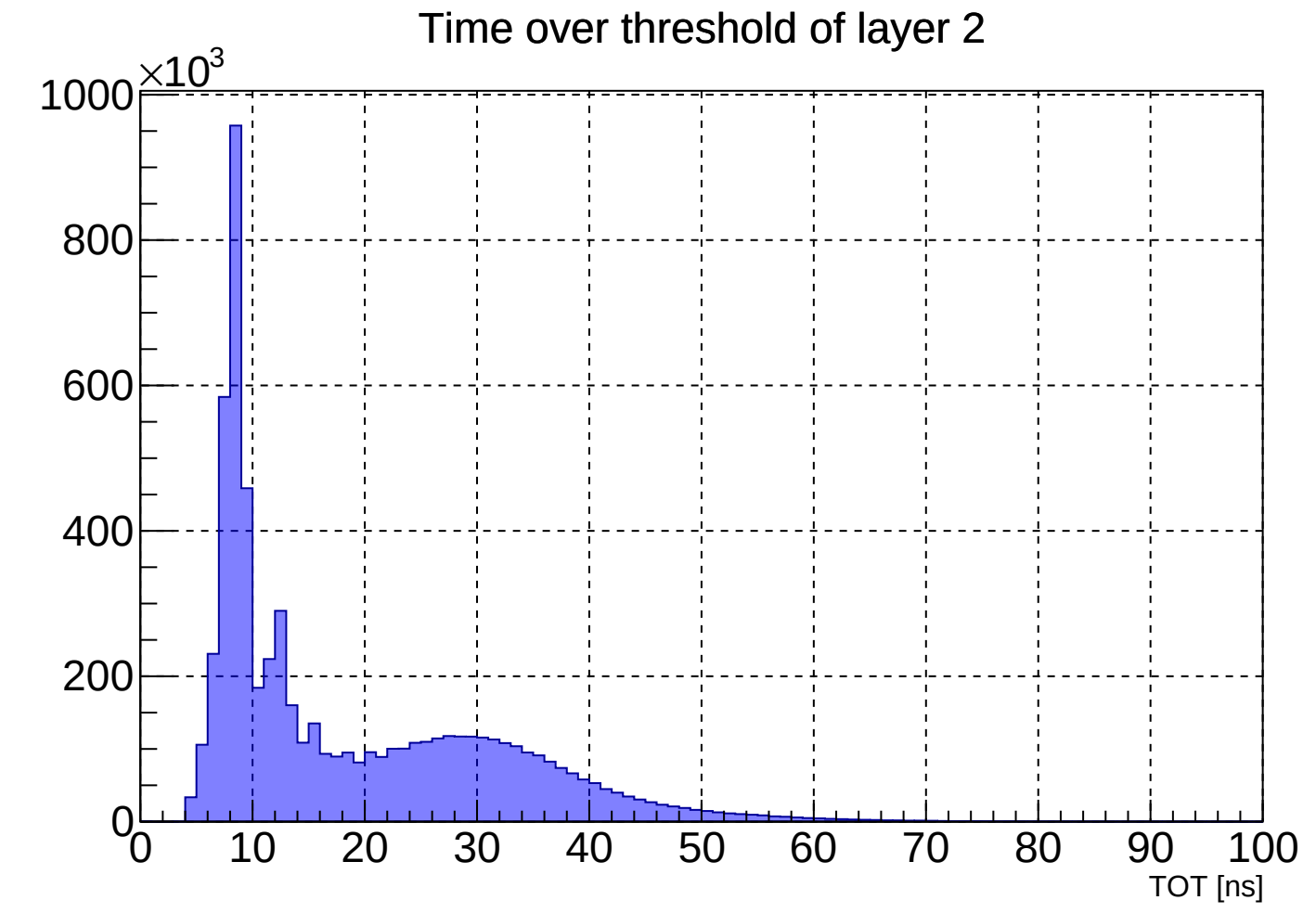

Leading TDC value of layer 3
×10^3
250
200
150
100
50
0
800
850
900
950
1000
1050
1100
LTDC [ns]

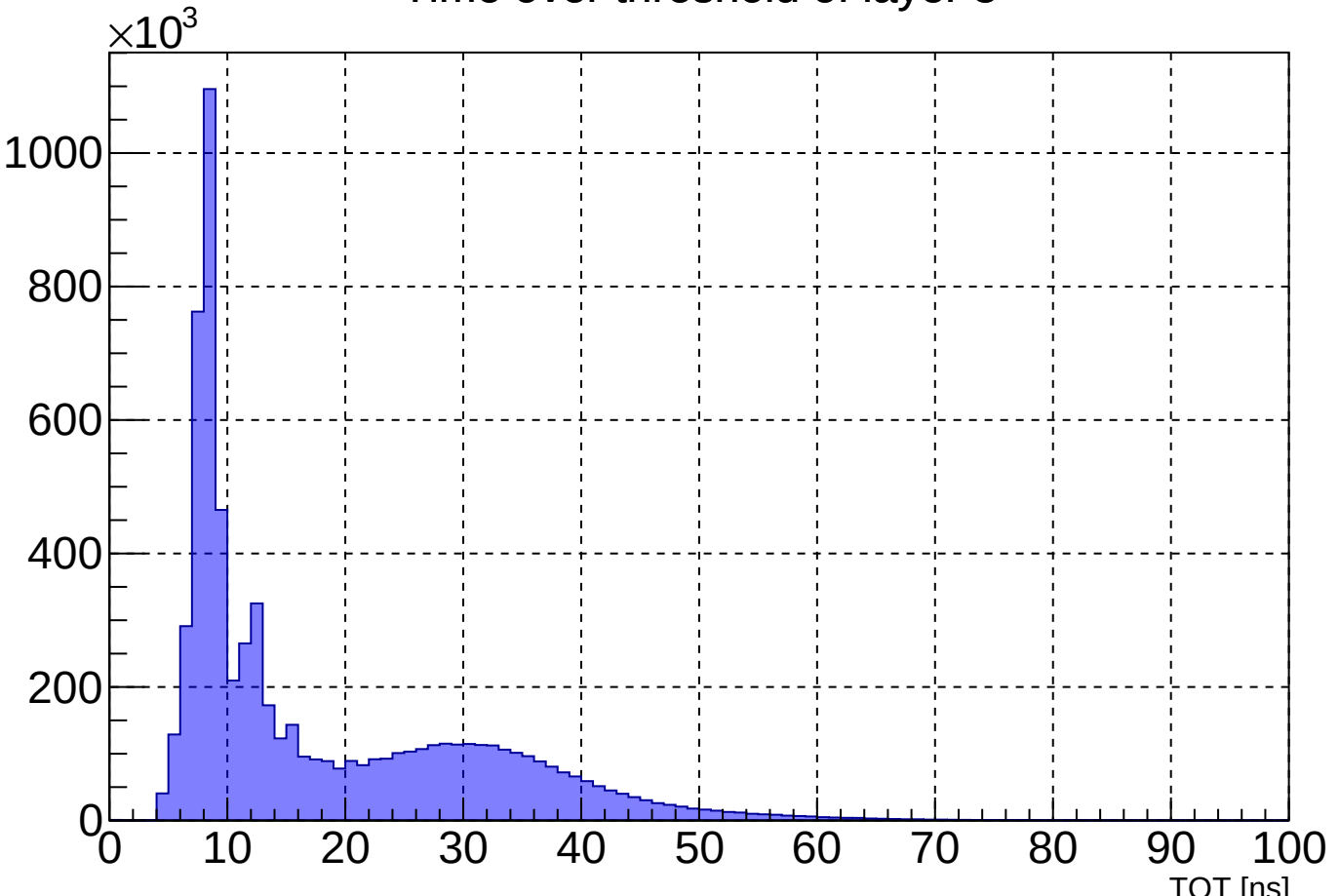

Leading TDC value of layer 4
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
800
850
900
950
1000
1050
1100
LTDC [ns]

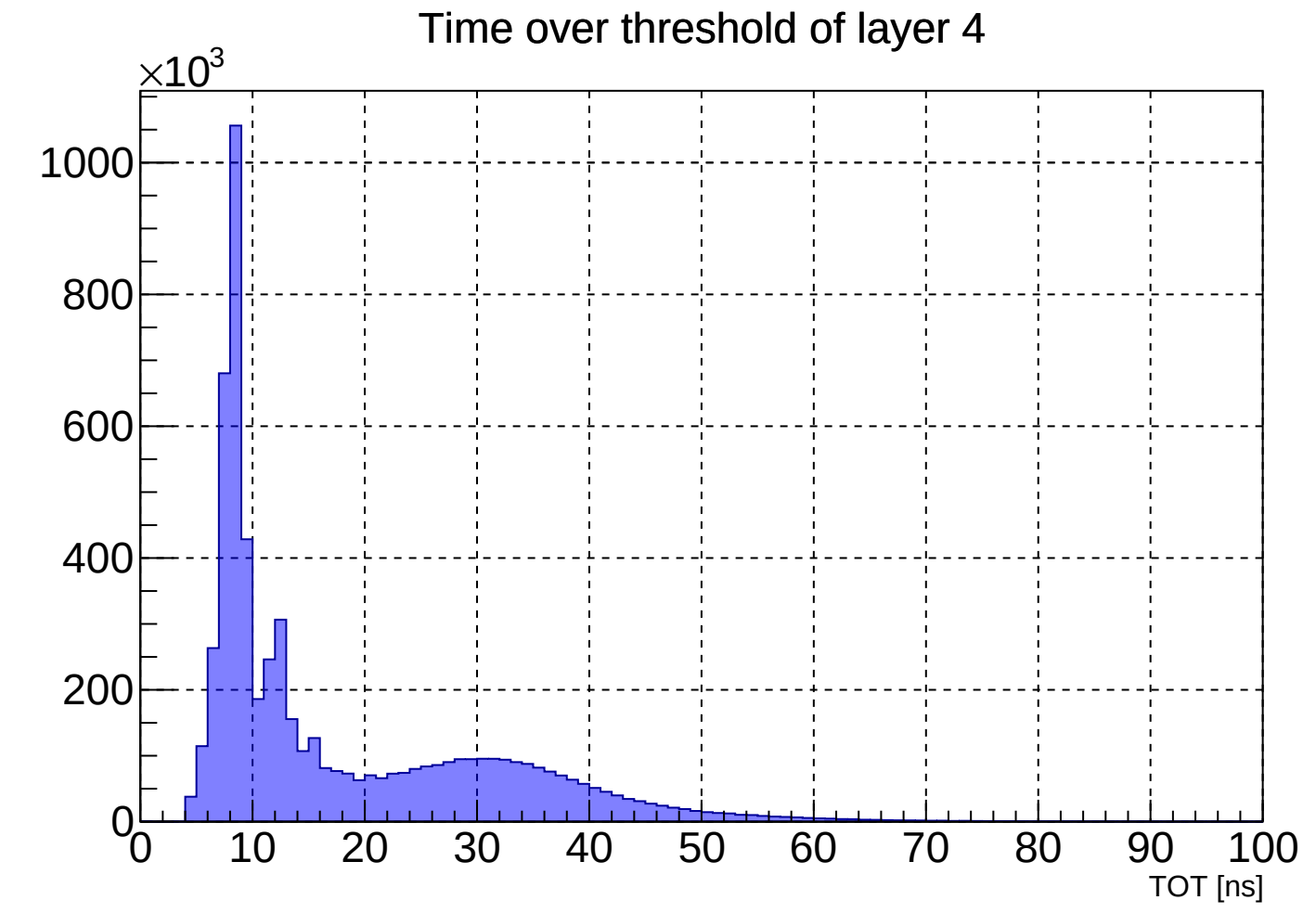

Leading TDC value of layer 5
×10^3
240
220
200
180
160
140
120
100
80
60
40
20
0
800
850
900
950
1000
1050
1100
LTDC [ns]

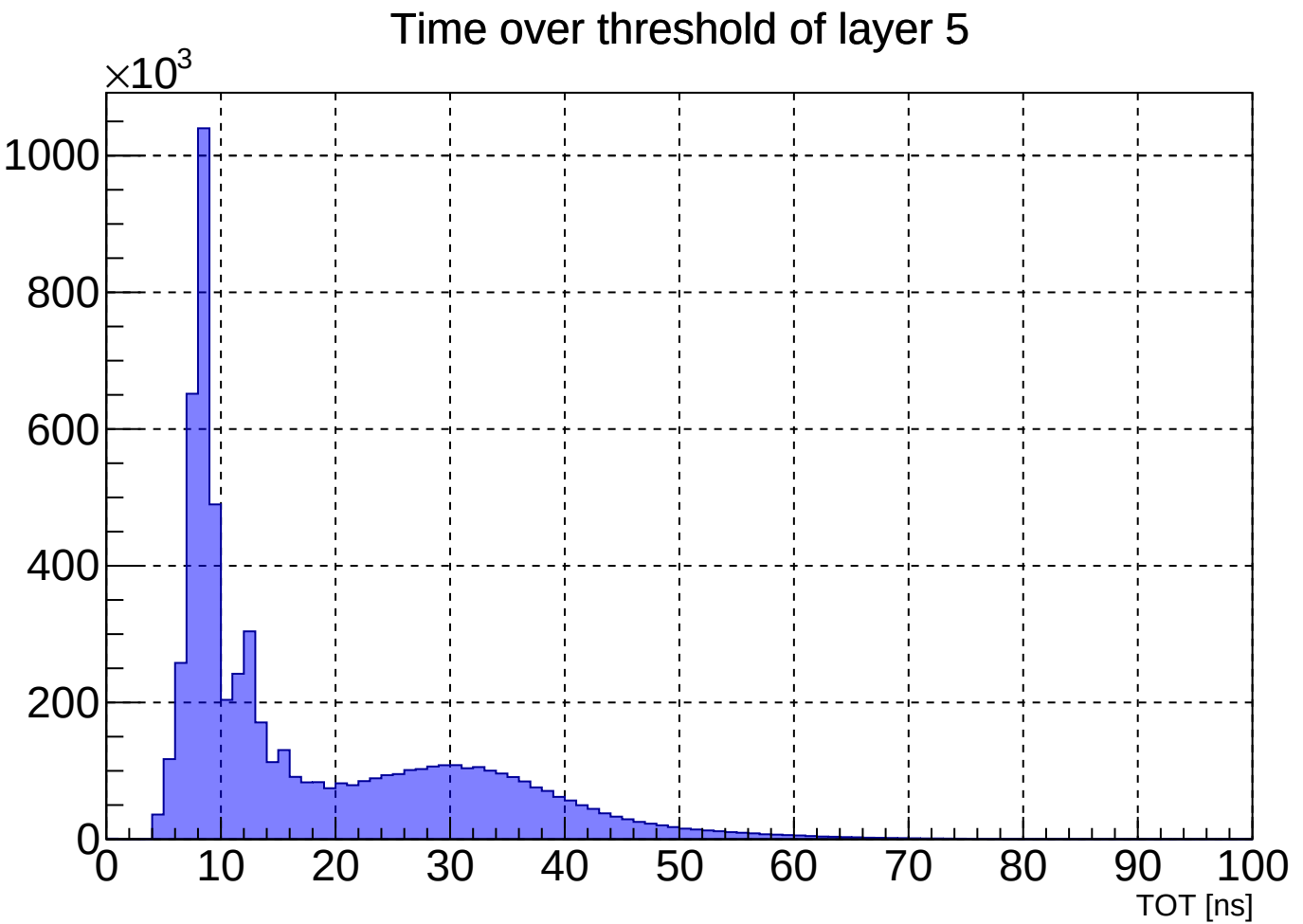

Leading TDC value of layer 6
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
800
850
900
950
1000
1050
1100
LTDC [ns]

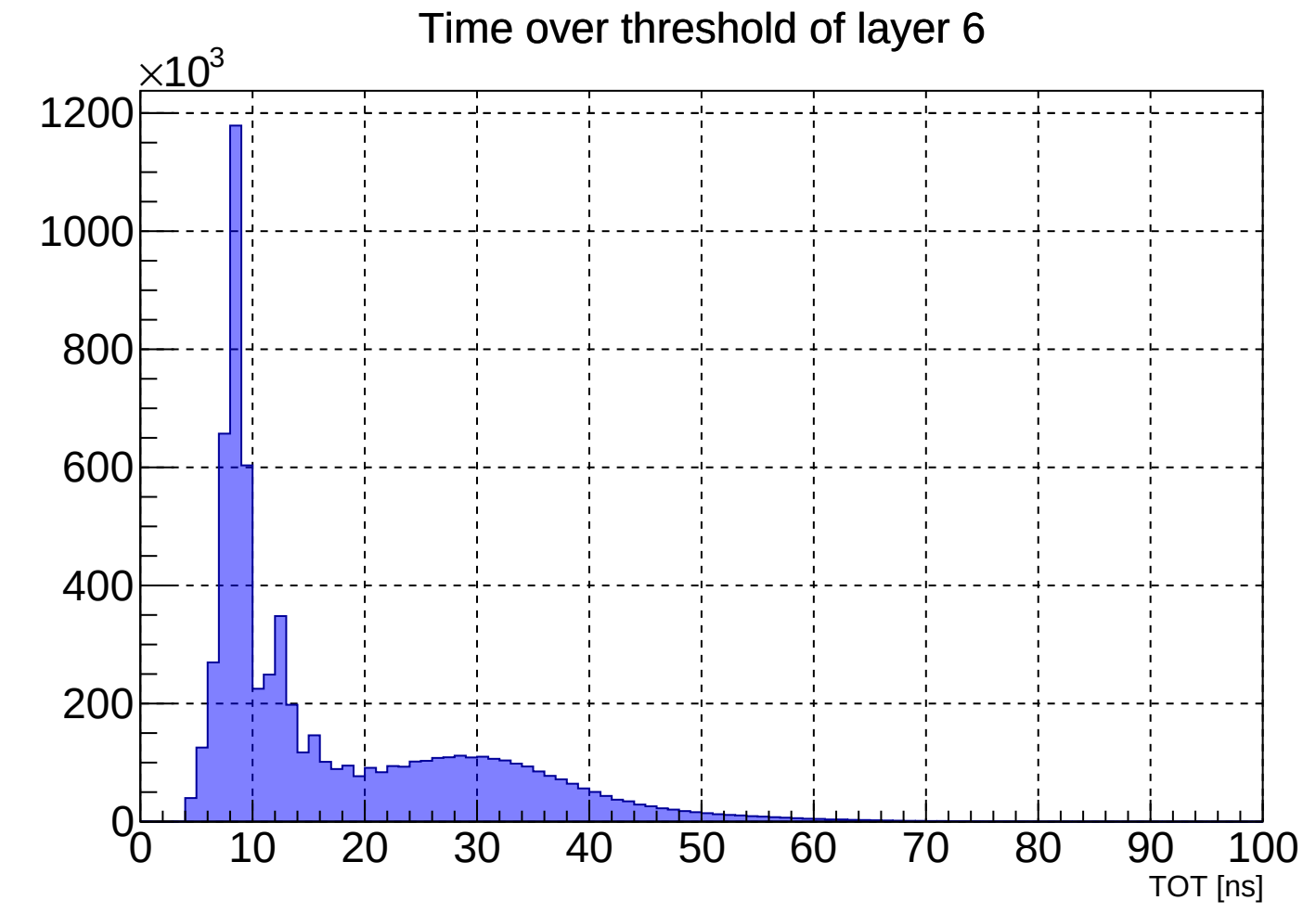

Time over threshold of layer 1
×10^3
700
600
500
400
300
200
100
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

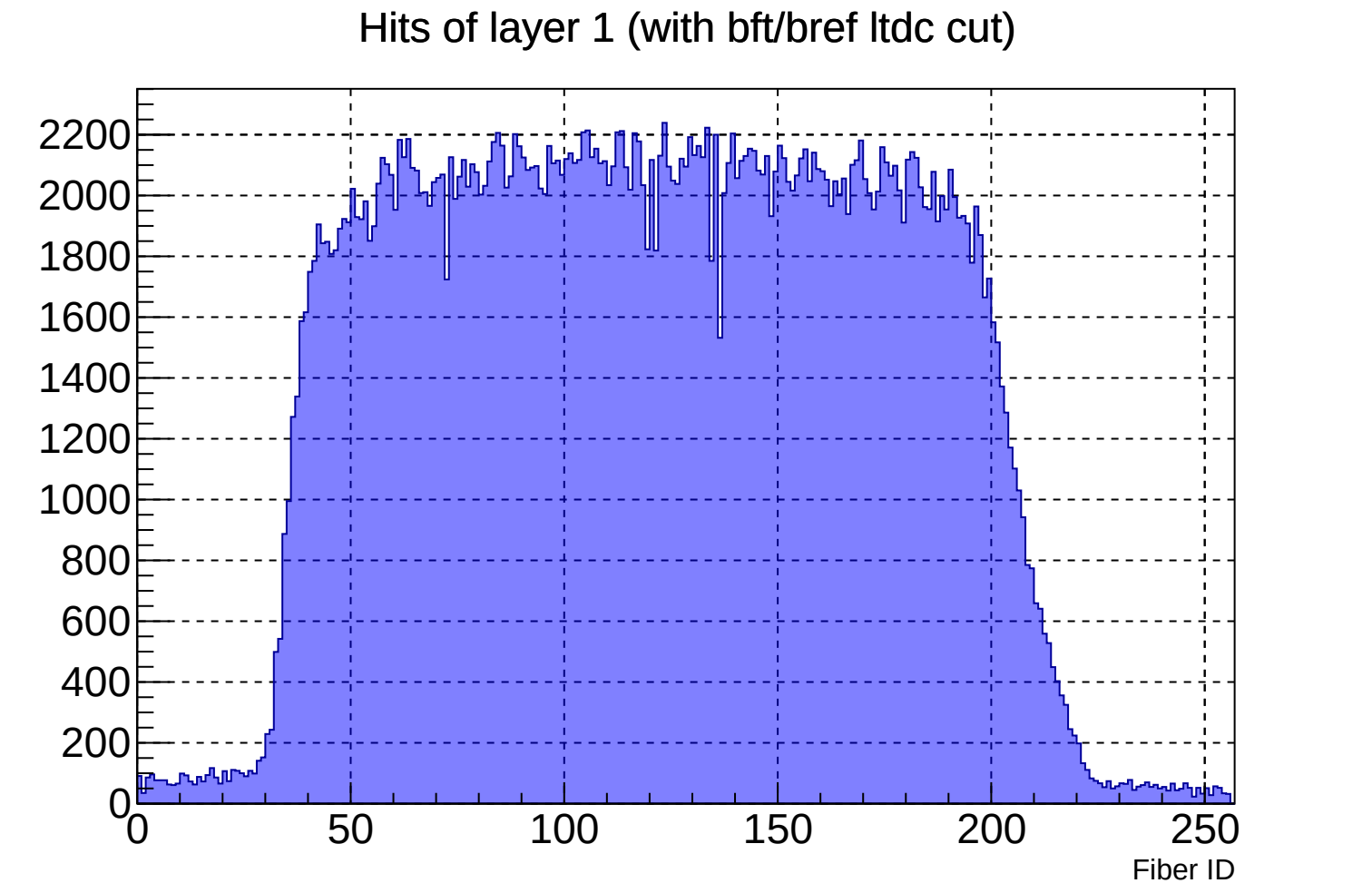

Time over threshold of layer 2
×10^3
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

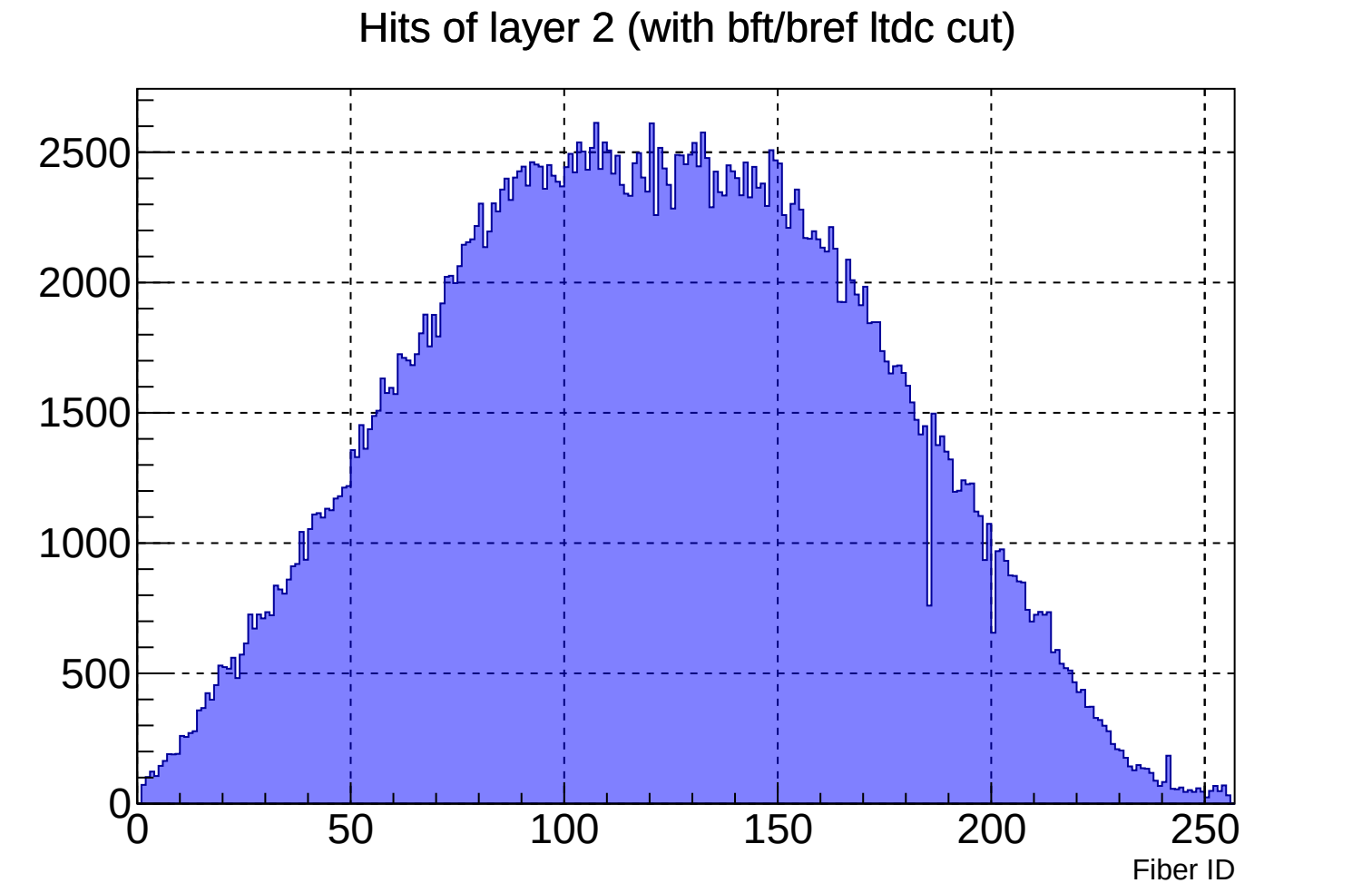

Time over threshold of layer 3
×10^3
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

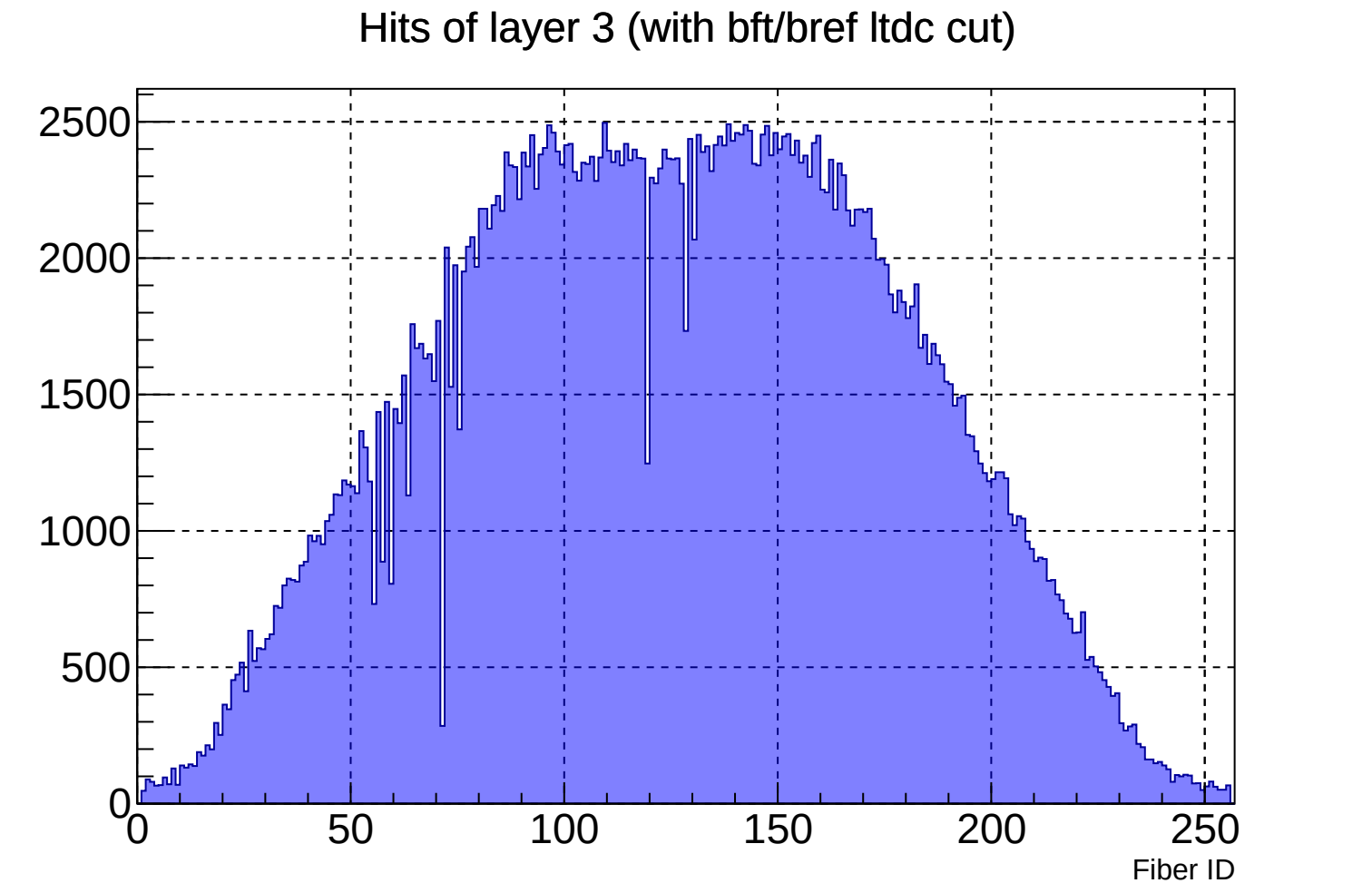

Time over threshold of layer 4
×10^3
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

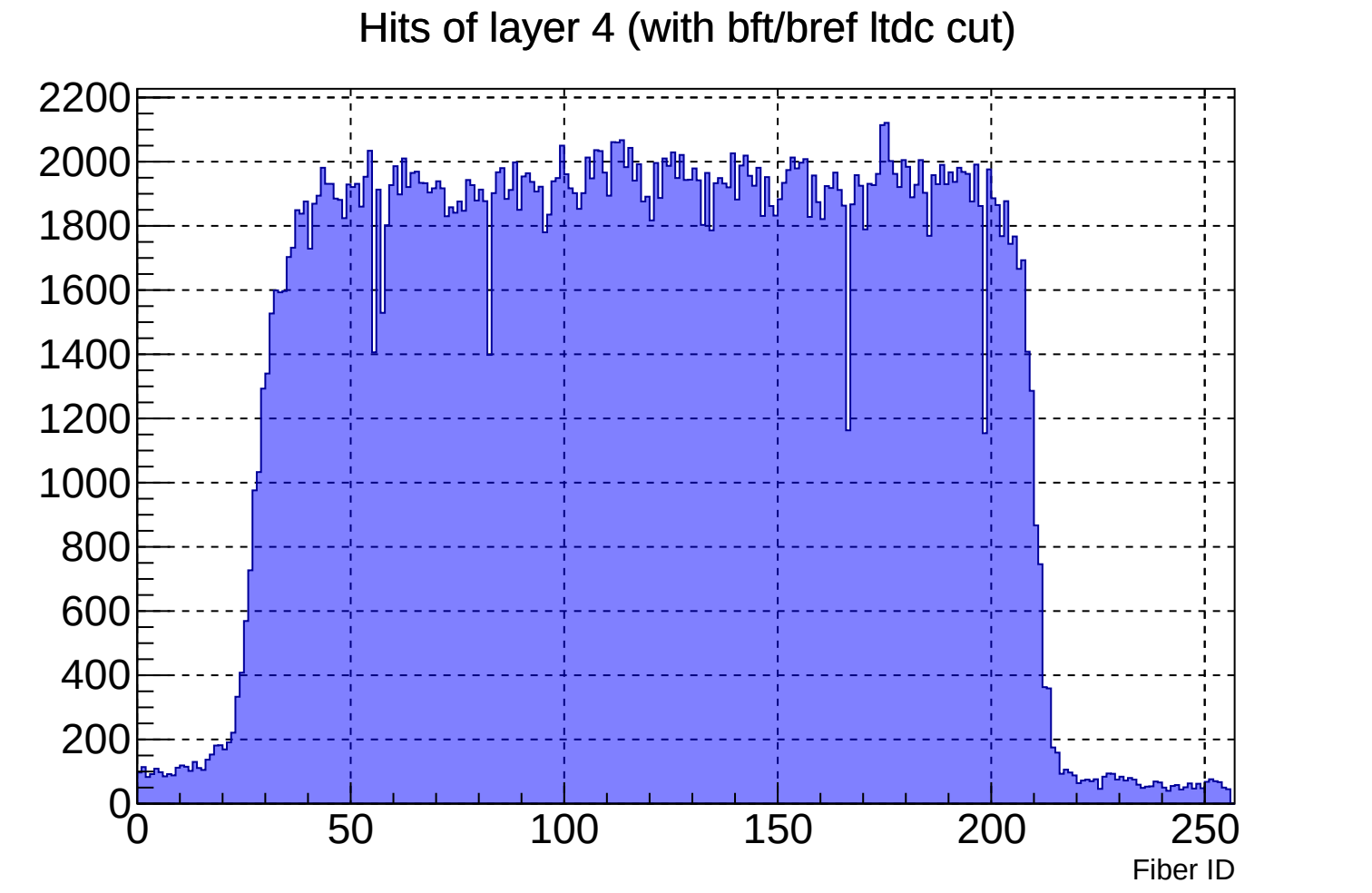

Time over threshold of layer 5
×10^3
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

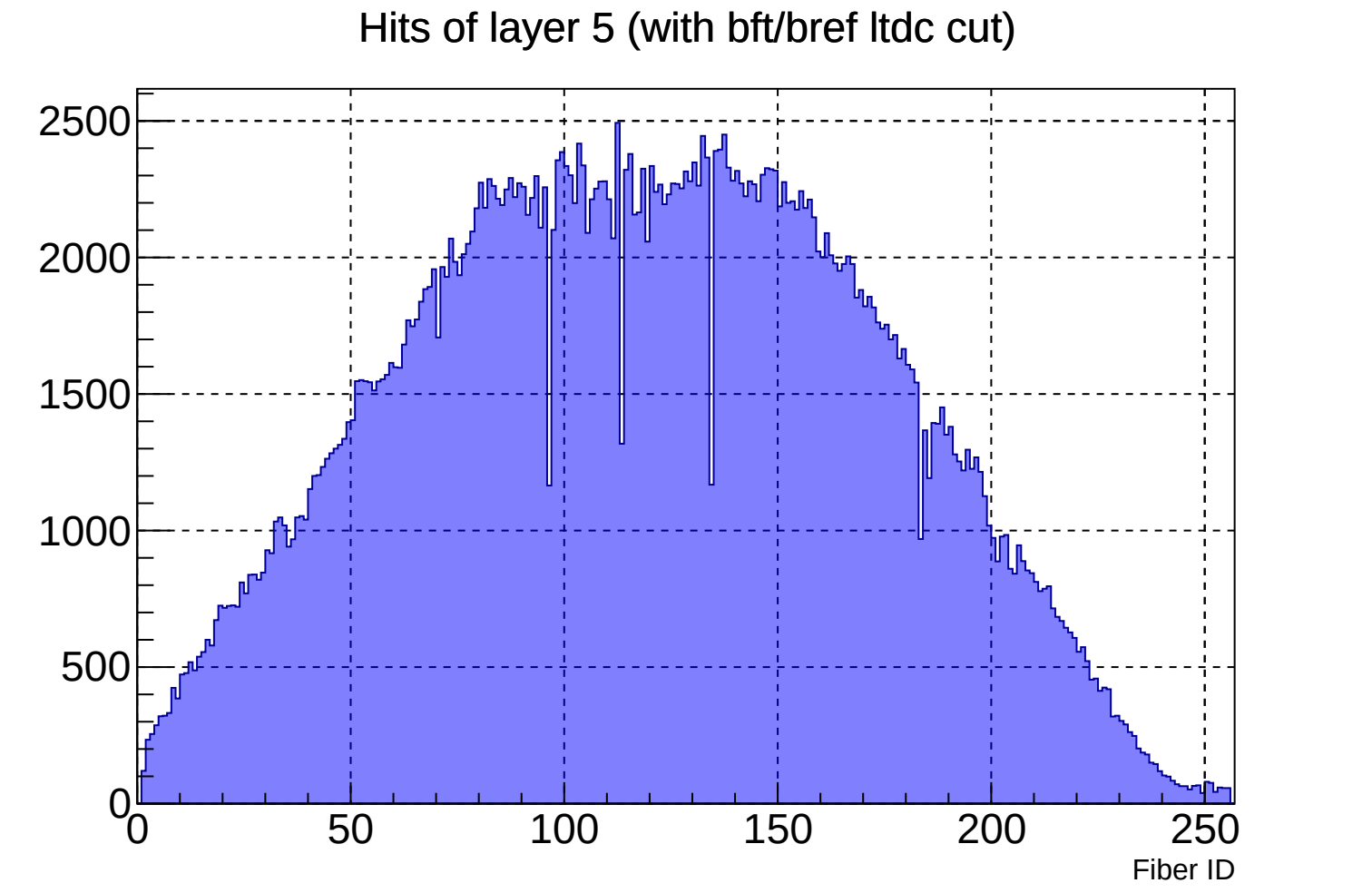

Time over threshold of layer 6
×10^3
1200
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
TOT [ns]

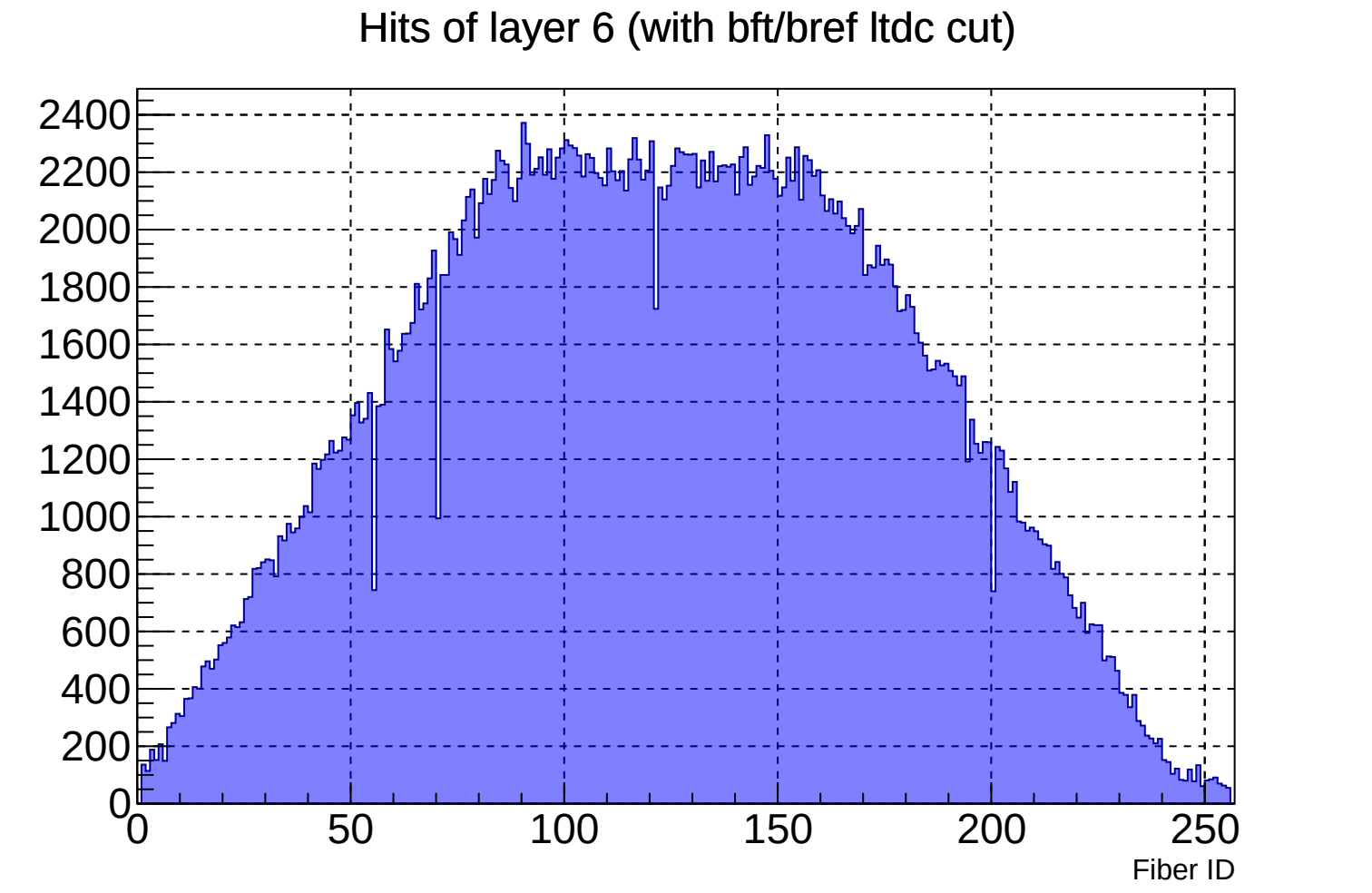

Hits of layer 1 (with bft/bref ltdc cut)
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250
Fiber ID

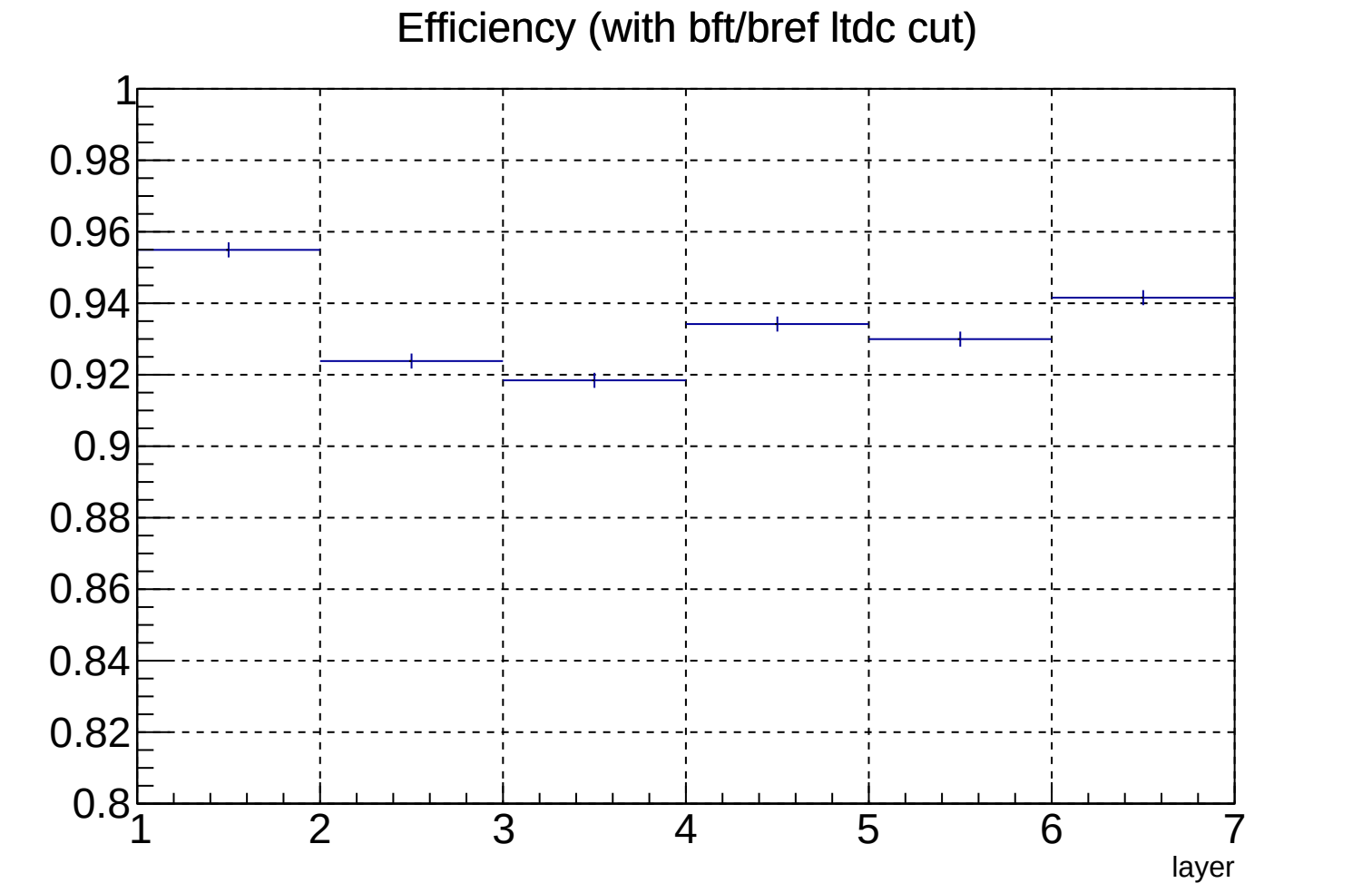

Hits of layer 2 (with bft/bref ltdc cut)
2500
2000
1500
1000
500
0
0
50
100
150
200
250
Fiber ID

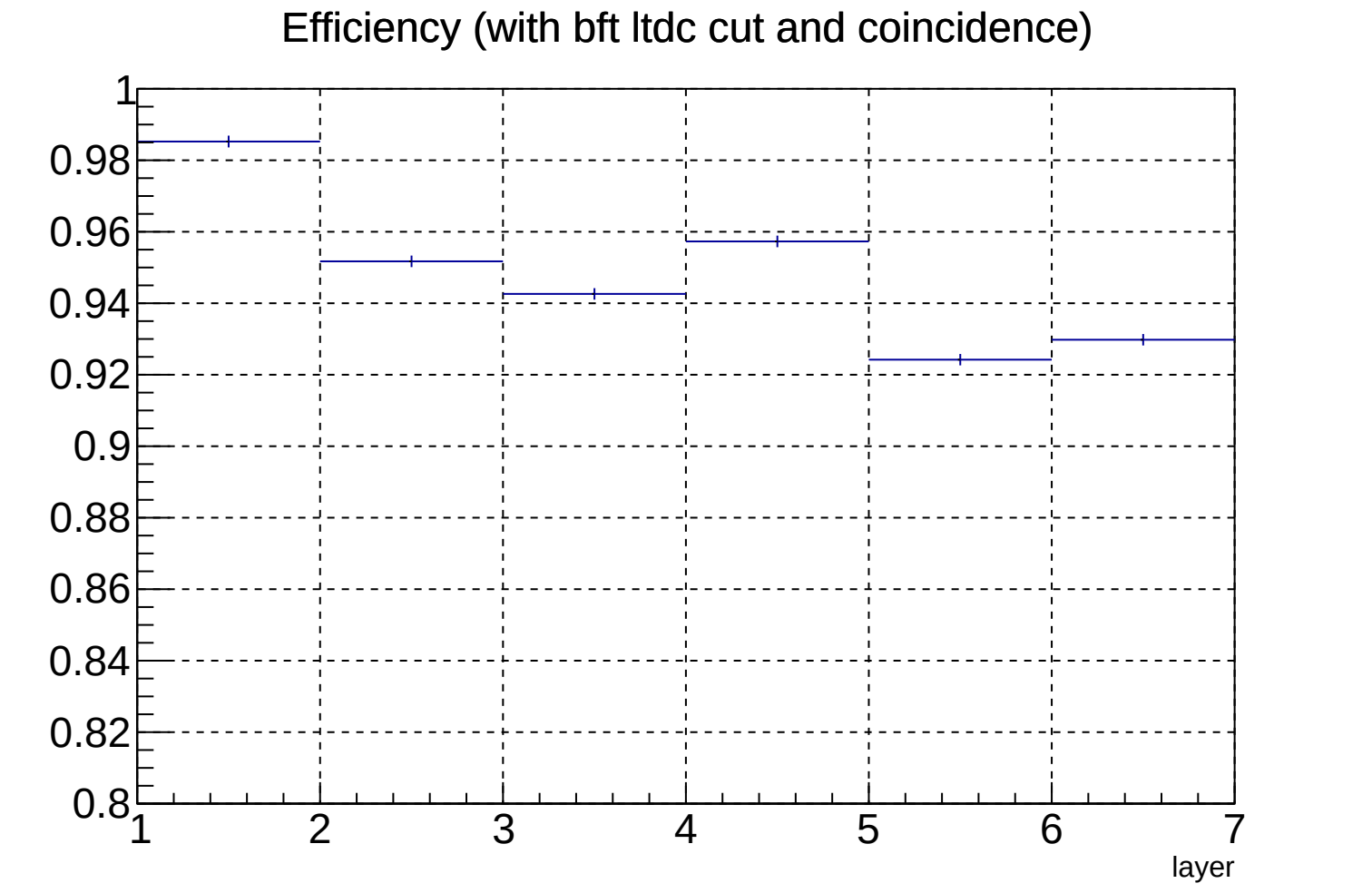

Hits of layer 3 (with bft/bref ltdc cut)
2500
2000
1500
1000
500
0
0
50
100
150
200
250
Fiber ID


Hits of layer 4 (with bft/bref ltdc cut)
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250
Fiber ID


Hits of layer 5 (with bft/bref ltdc cut)
2500
2000
1500
1000
500
0
0
50
100
150
200
250
Fiber ID


Hits of layer 6 (with bft/bref ltdc cut)
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250
Fiber ID


Efficiency (with bft/bref ltdc cut)
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
1
2
3
4
5
6
7
layer


Efficiency (with bft ltdc cut and coincidence)
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
1
2
3
4
5
6
7
layer