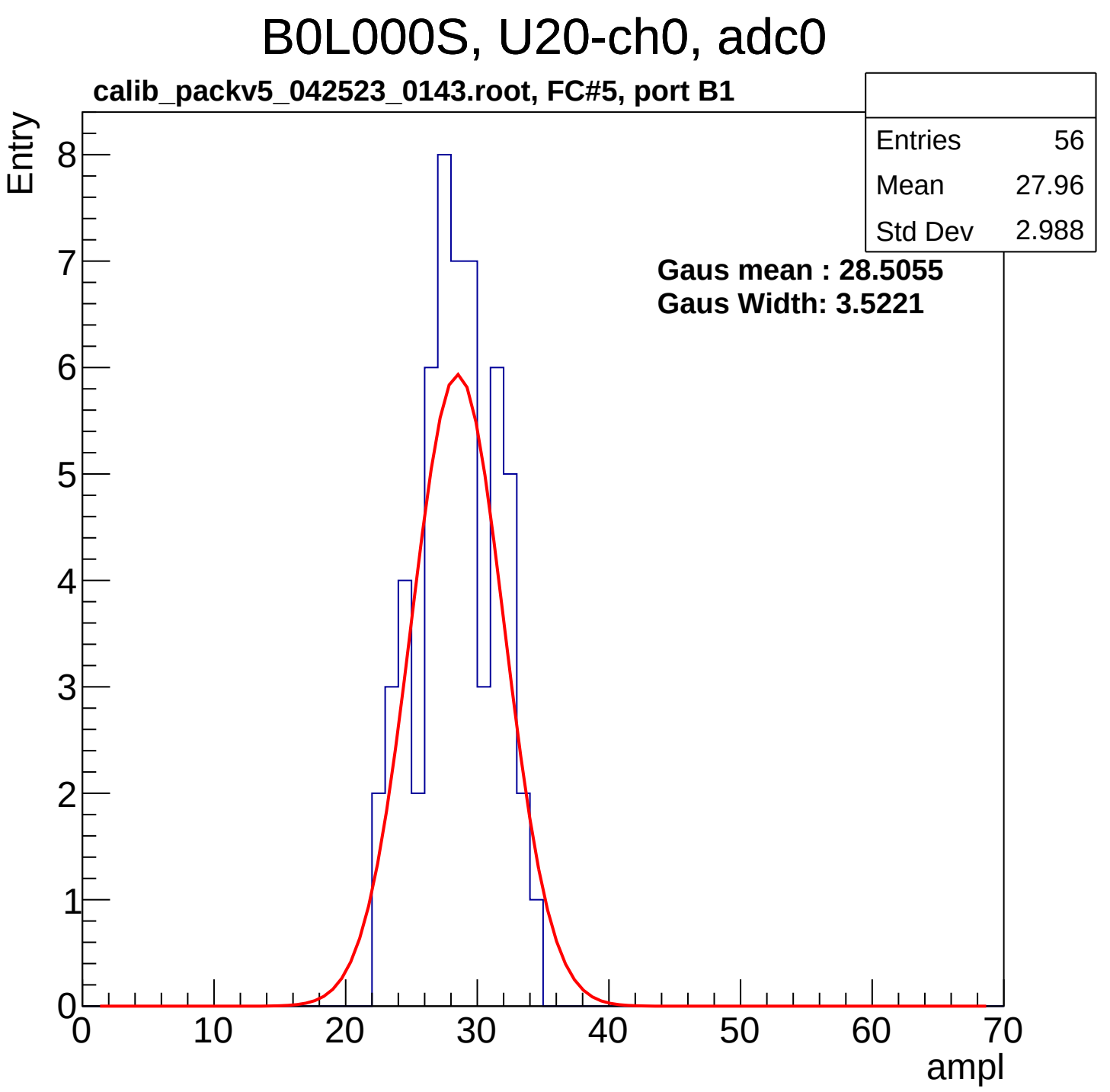
B0L000S, U20-ch0, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 27.96
Std Dev 2.988
Gaus mean : 28.5055
Gaus Width: 3.5221
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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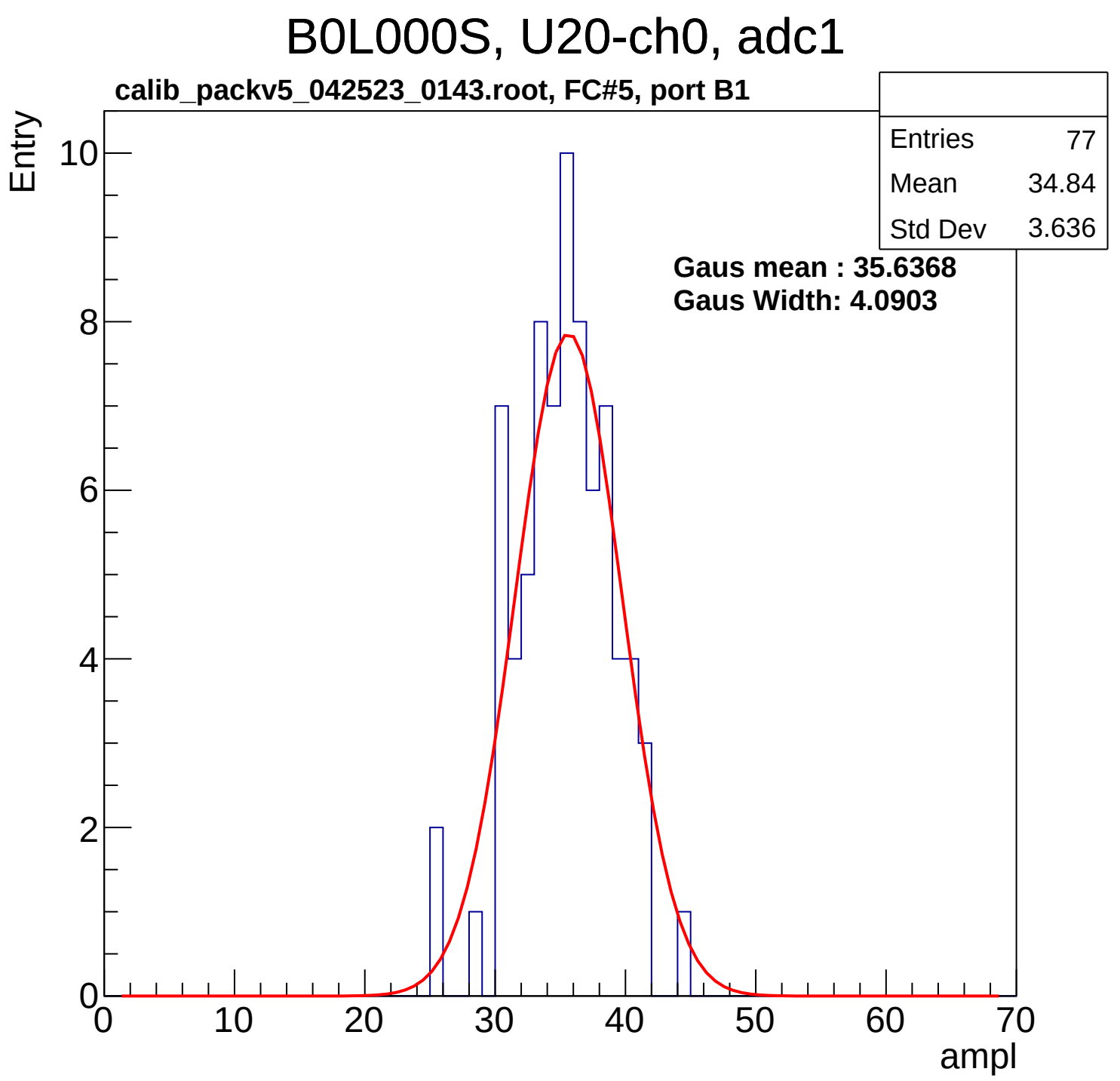
B0L000S, U20-ch0, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 34.84
Std Dev 3.636
Gaus mean : 35.6368
Gaus Width: 4.0903
Entry
ampl
0
2
4
6
8
10
0
10
20
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40
50
60
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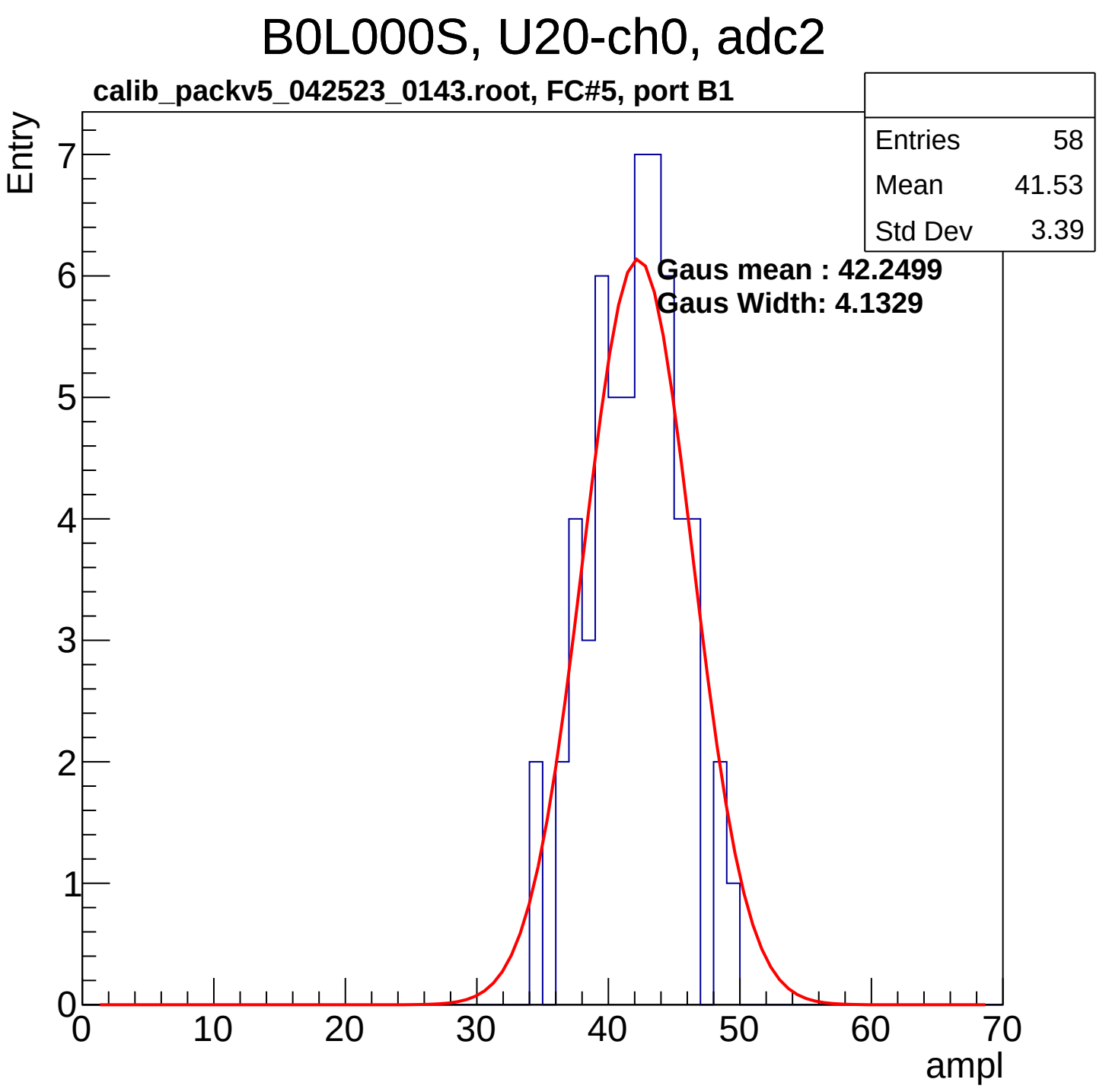
B0L000S, U20-ch0, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 41.53
Std Dev 3.39
Gaus mean : 42.2499
Gaus Width: 4.1329
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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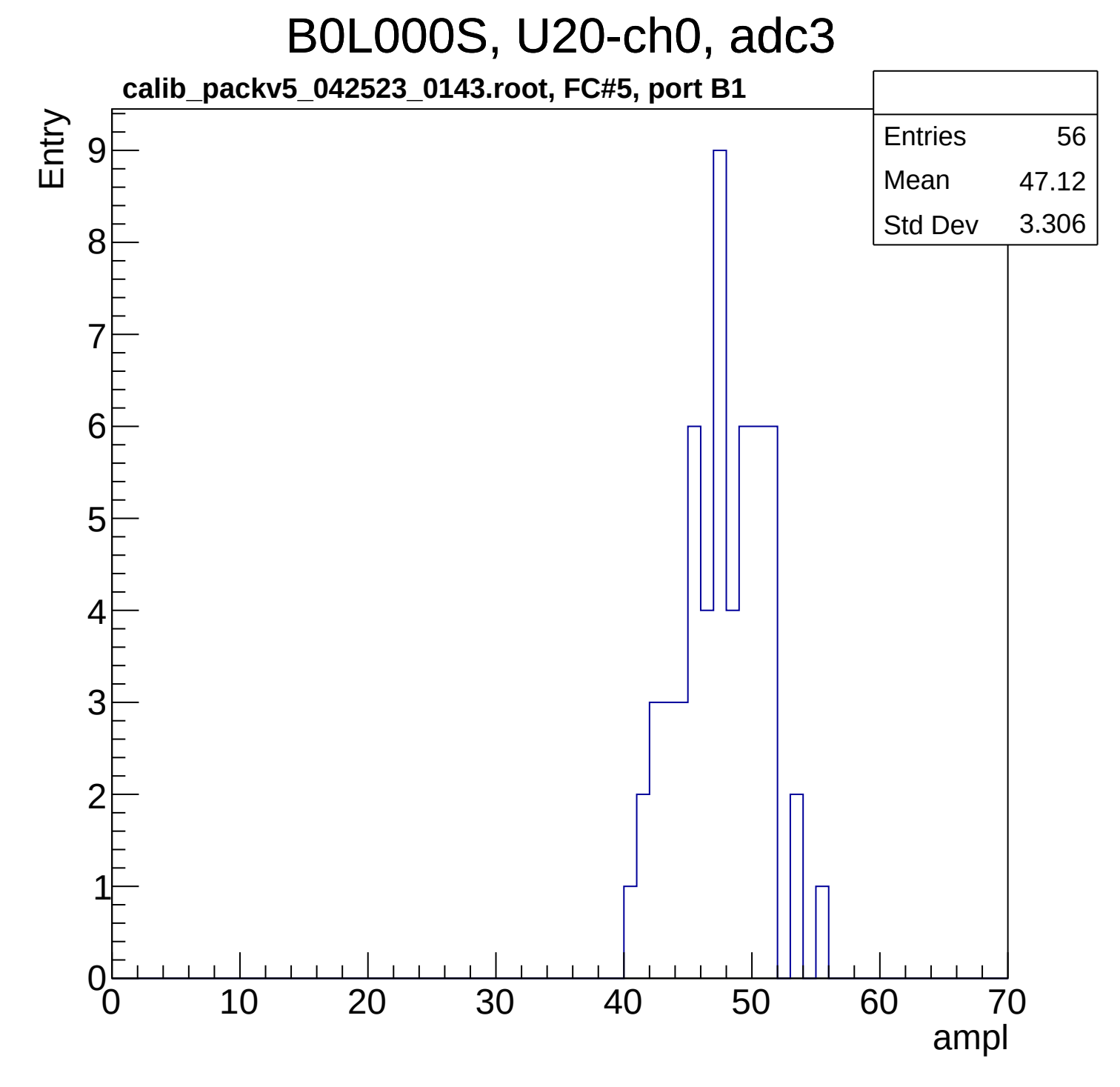
B0L000S, U20-ch0, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 47.12
Std Dev 3.306
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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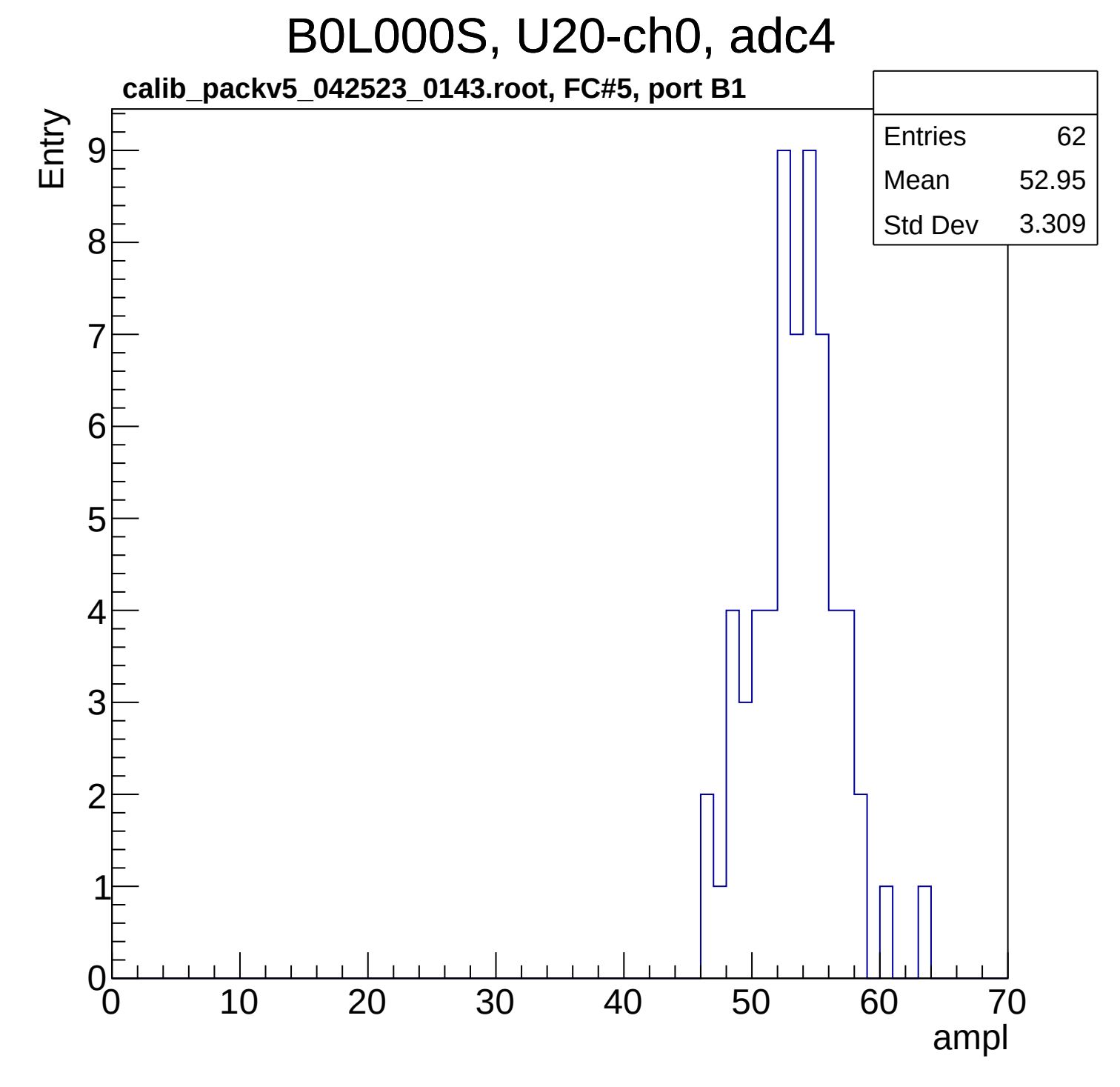
B0L000S, U20-ch0, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 52.95
Std Dev 3.309
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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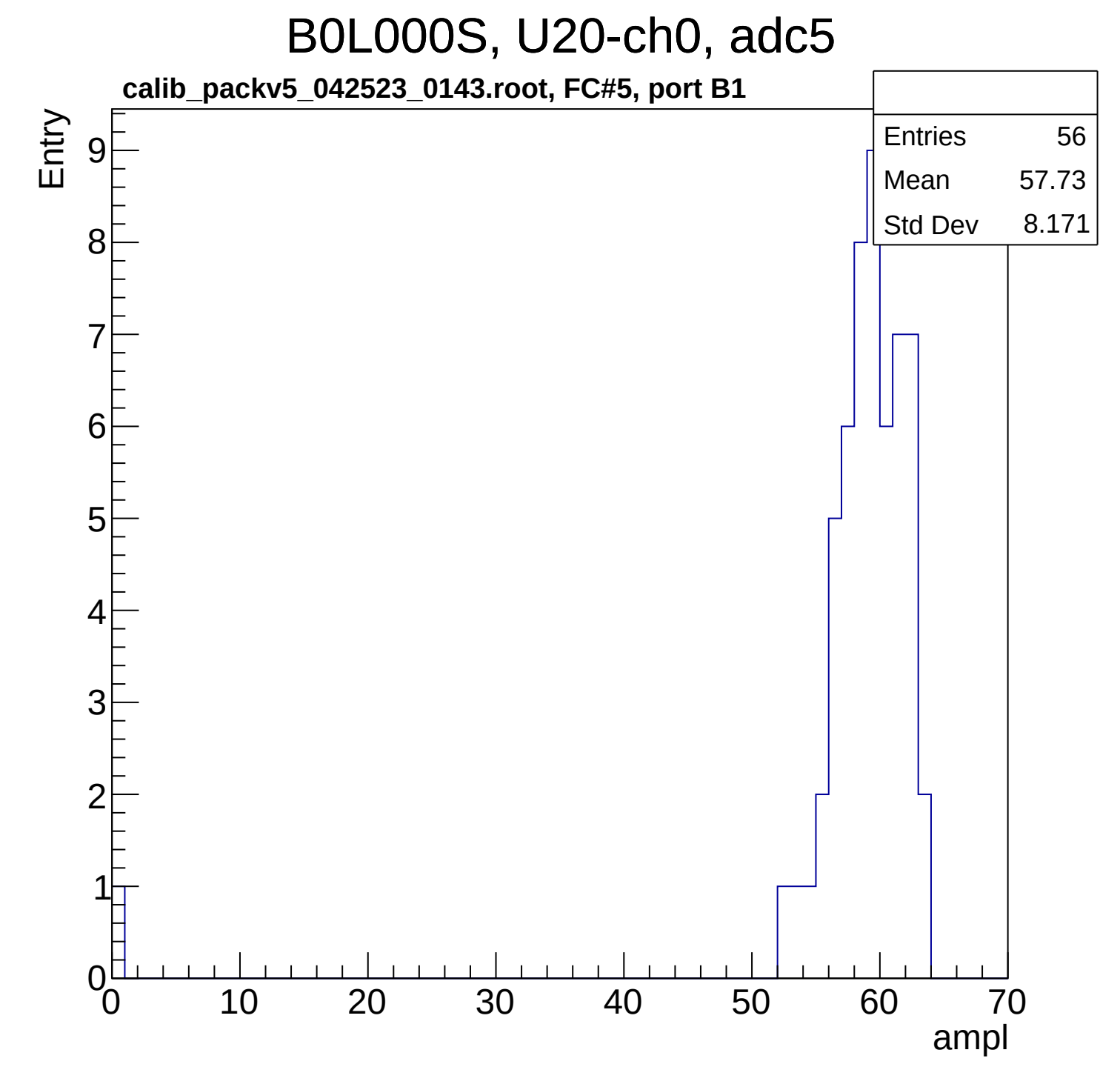
B0L000S, U20-ch0, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 57.73
Std Dev 8.171
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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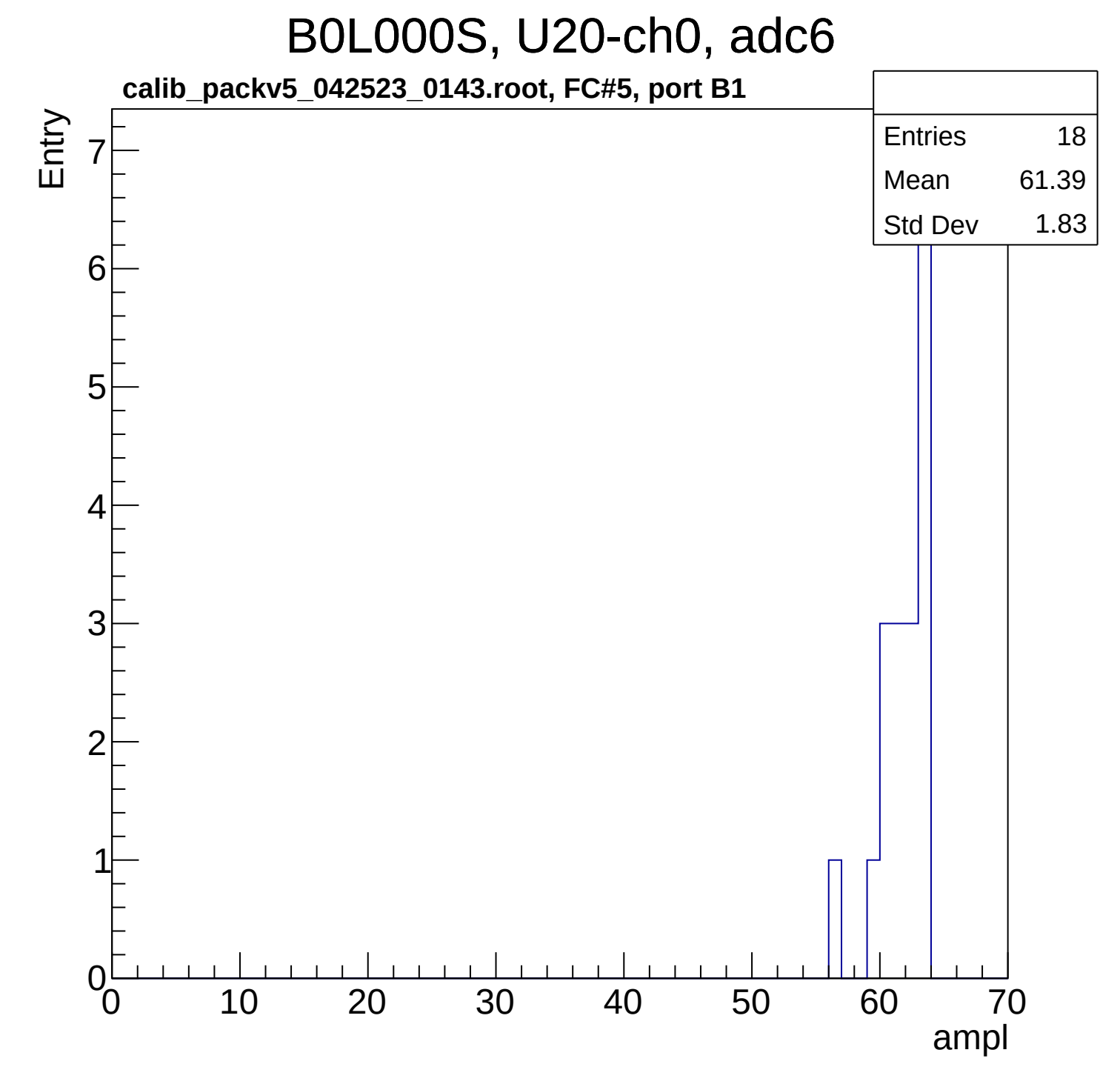
B0L000S, U20-ch0, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 18
Mean 61.39
Std Dev 1.83
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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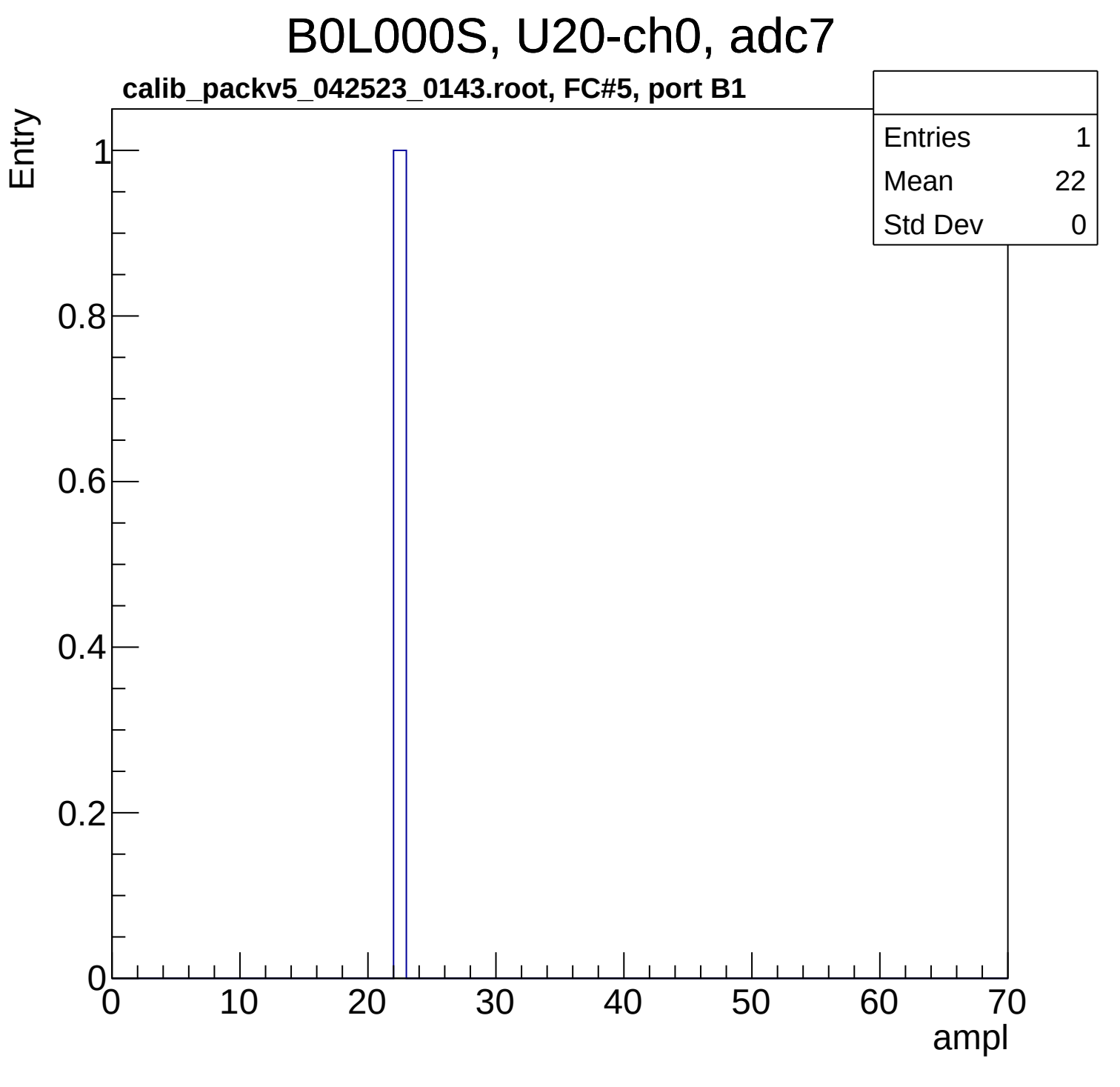
B0L000S, U20-ch0, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 22
Std Dev 0
Entry
ampl
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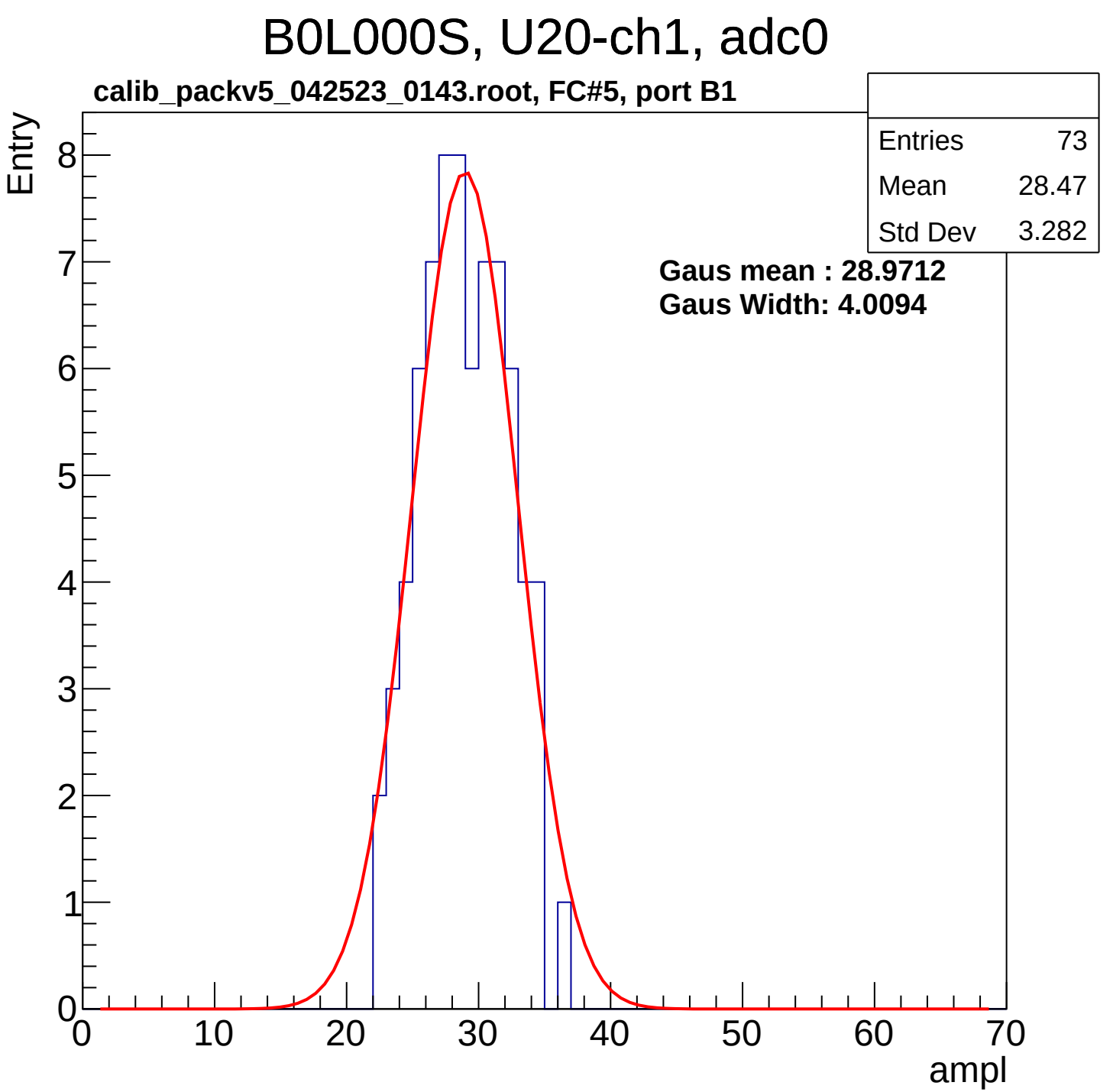
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B0L000S, U20-ch1, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 28.47
Std Dev 3.282
Gaus mean : 28.9712
Gaus Width: 4.0094
Entry
ampl
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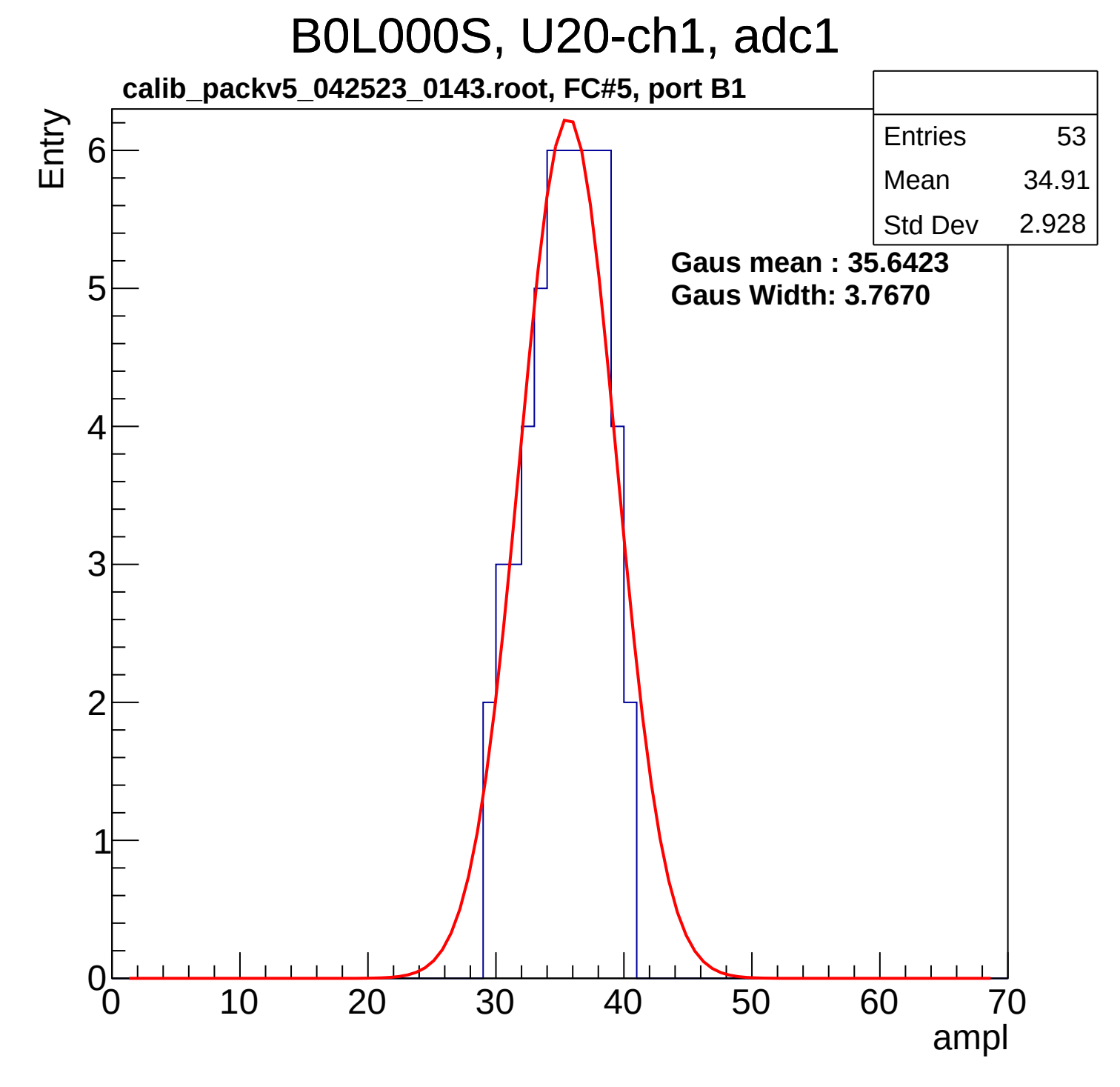
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch1, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 34.91
Std Dev 2.928
Gaus mean : 35.6423
Gaus Width: 3.7670
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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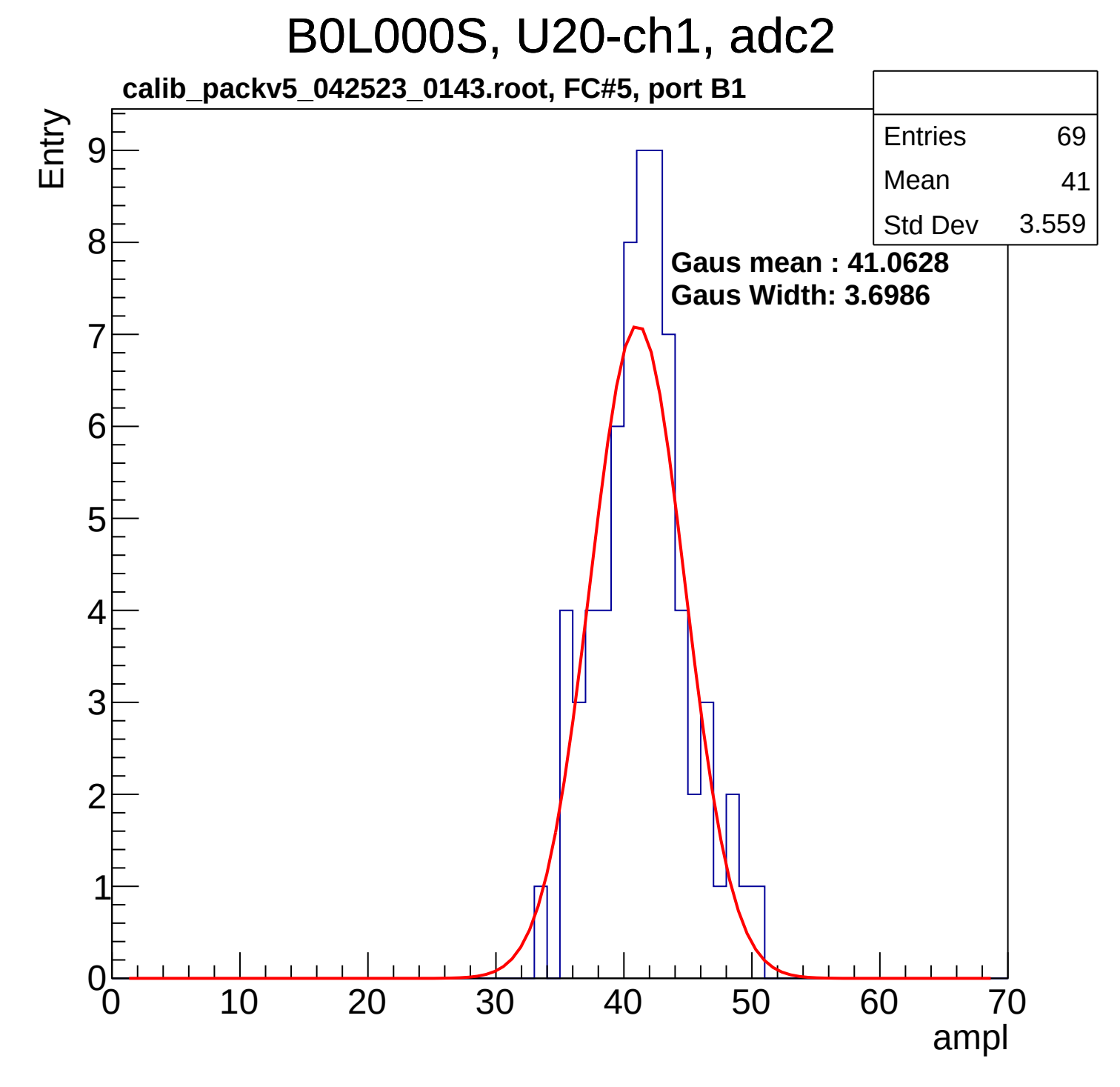
B0L000S, U20-ch1, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 41
Std Dev 3.559
Gaus mean : 41.0628
Gaus Width: 3.6986
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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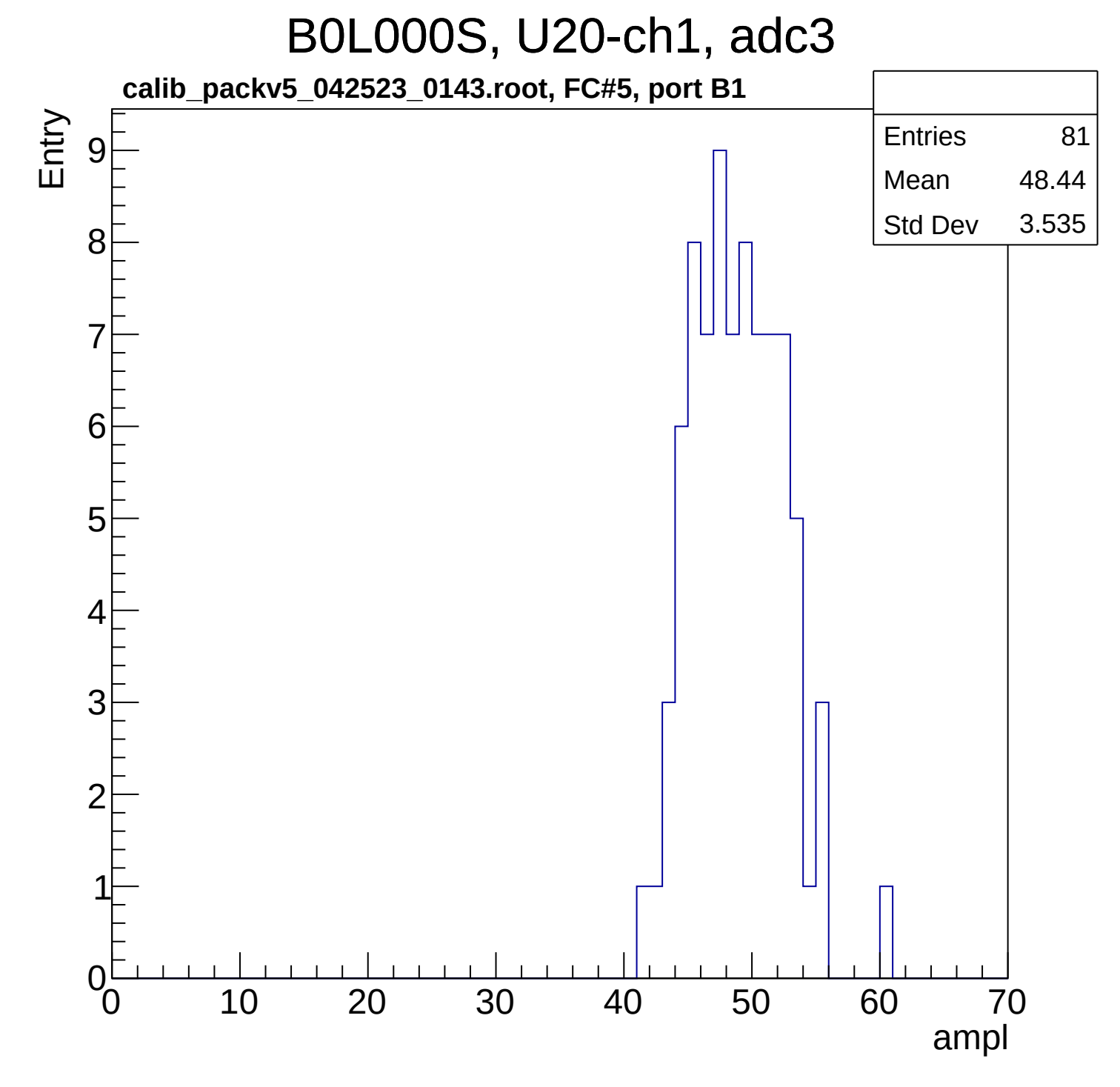
B0L000S, U20-ch1, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 81
Mean 48.44
Std Dev 3.535
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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60
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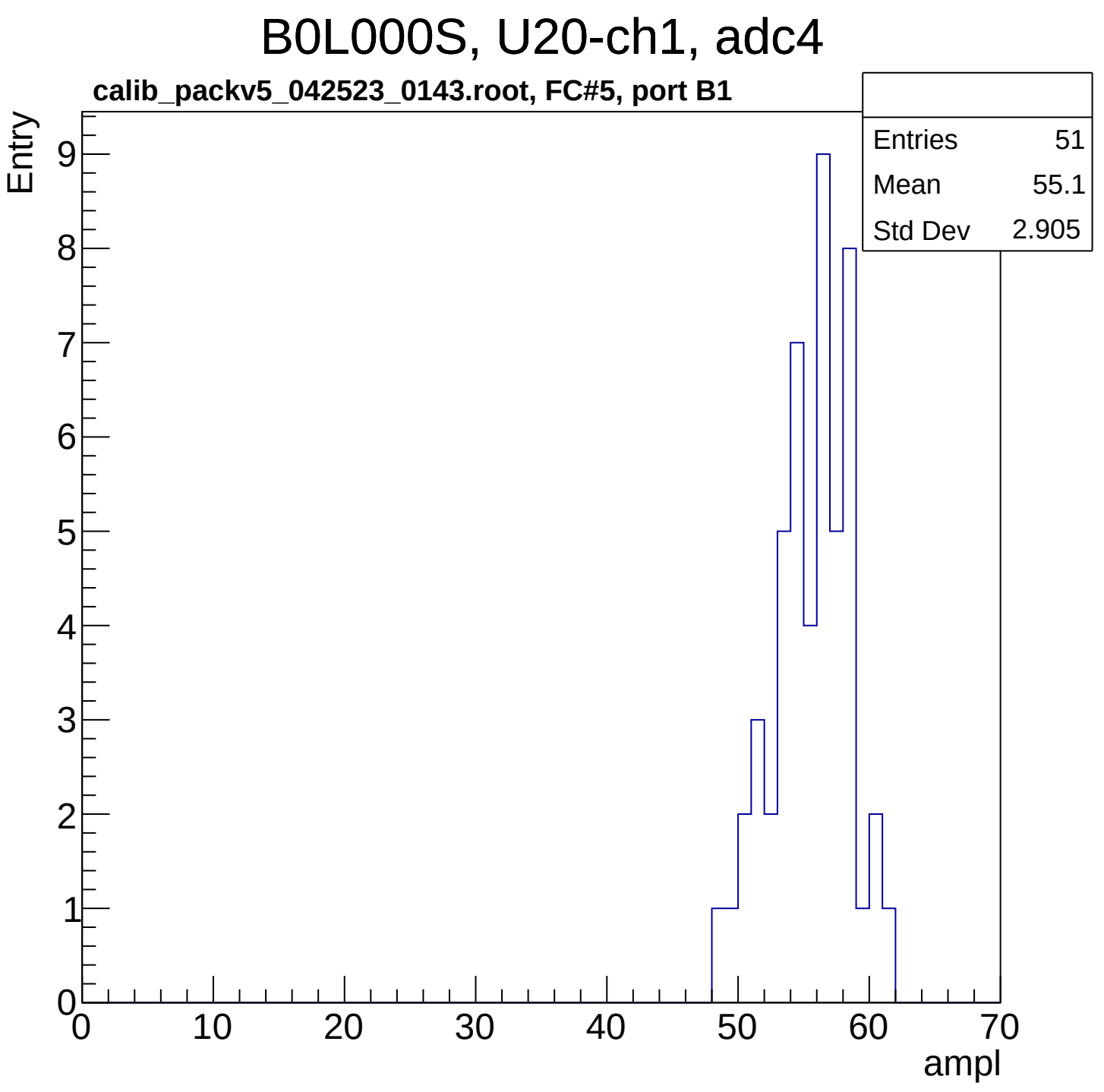
B0L000S, U20-ch1, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 55.1
Std Dev 2.905
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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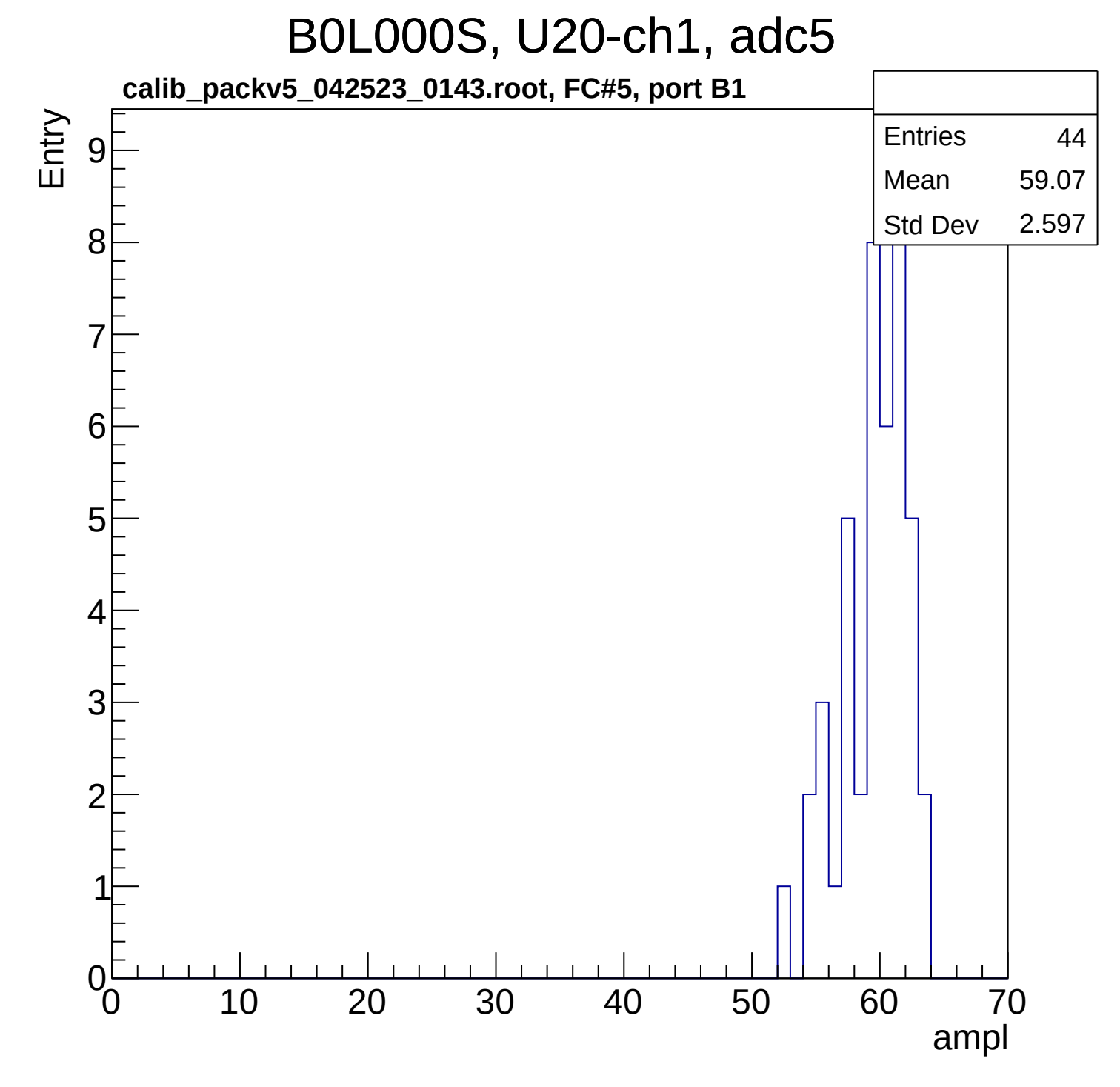
B0L000S, U20-ch1, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 59.07
Std Dev 2.597
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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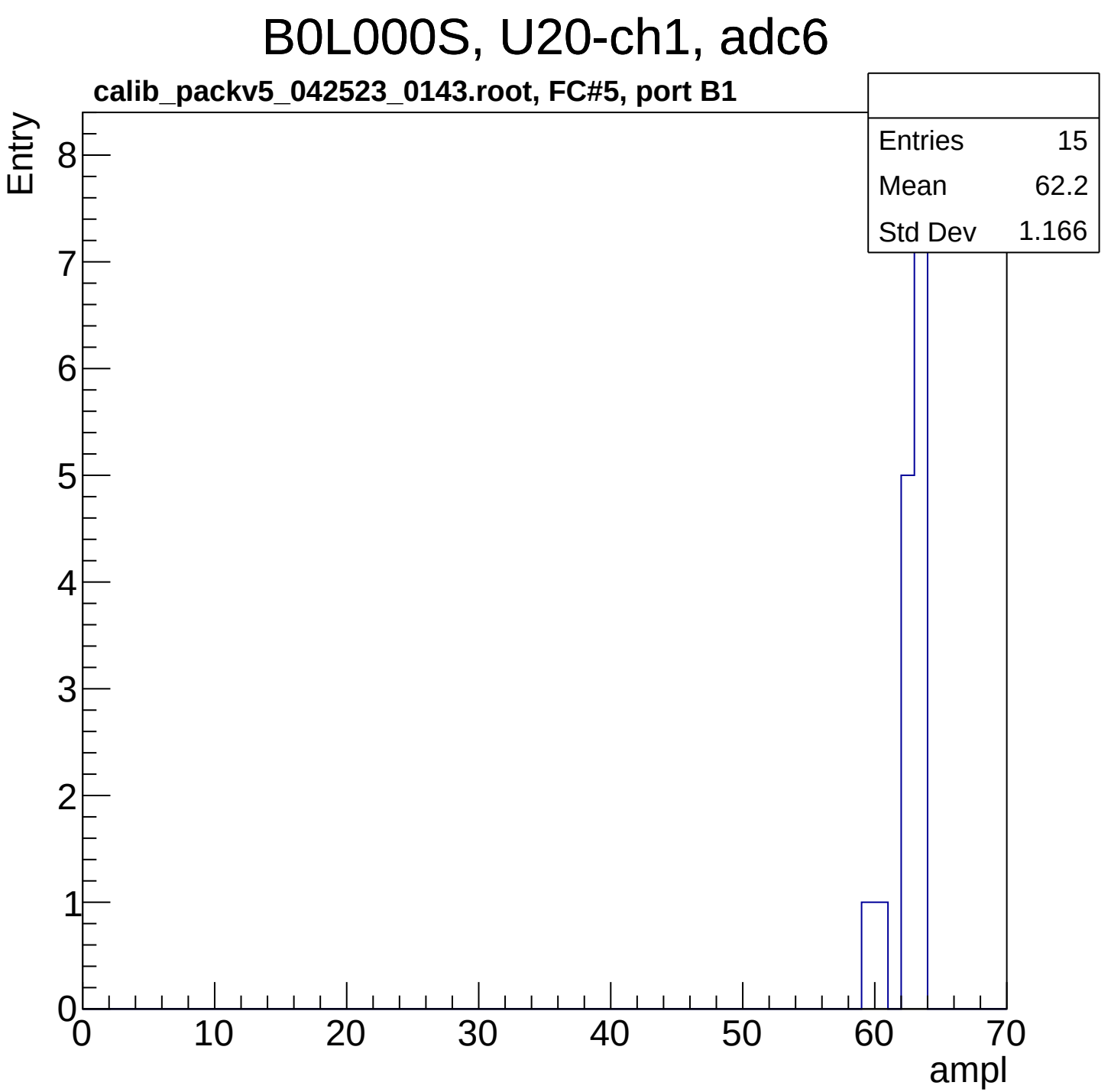
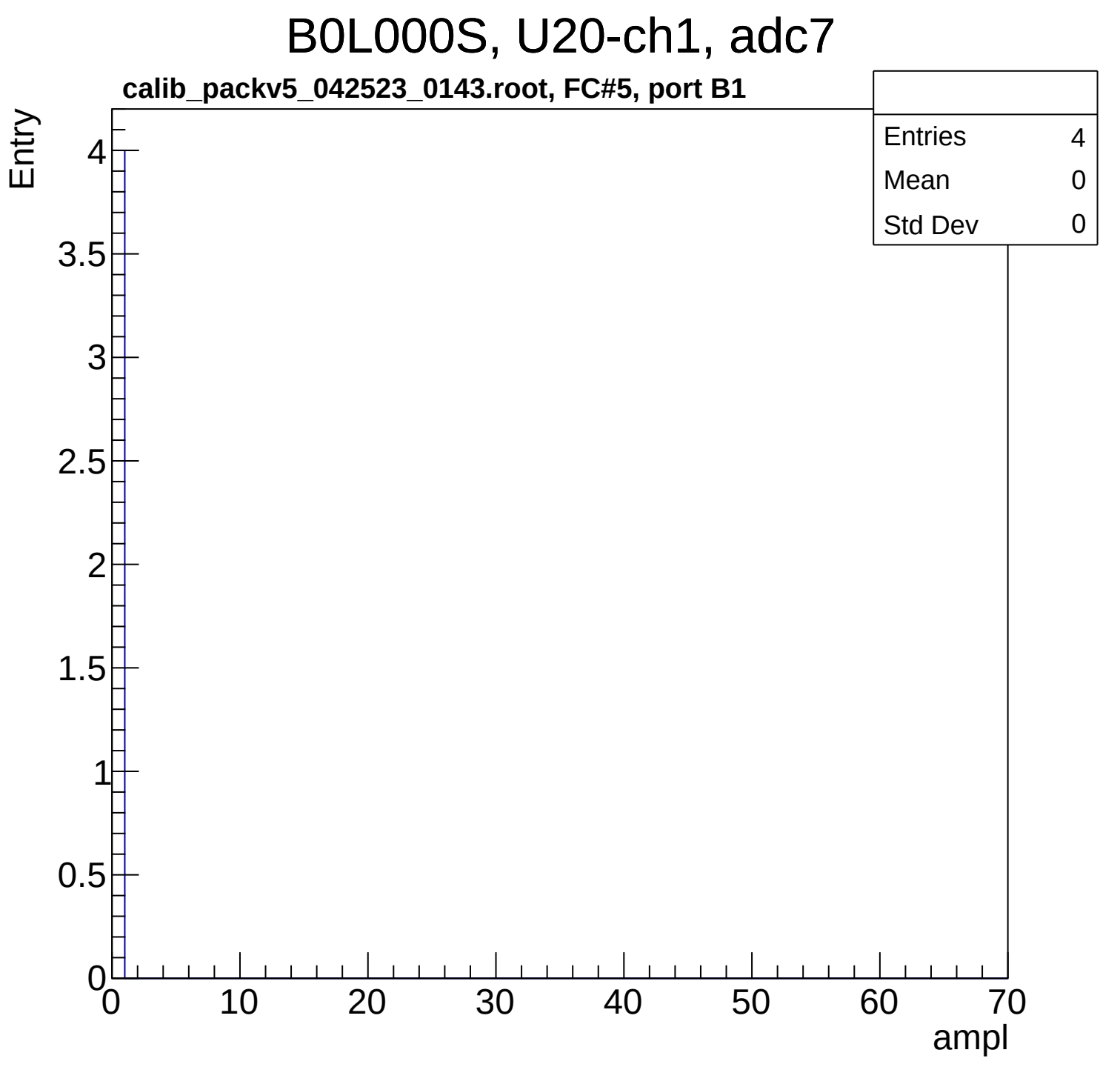
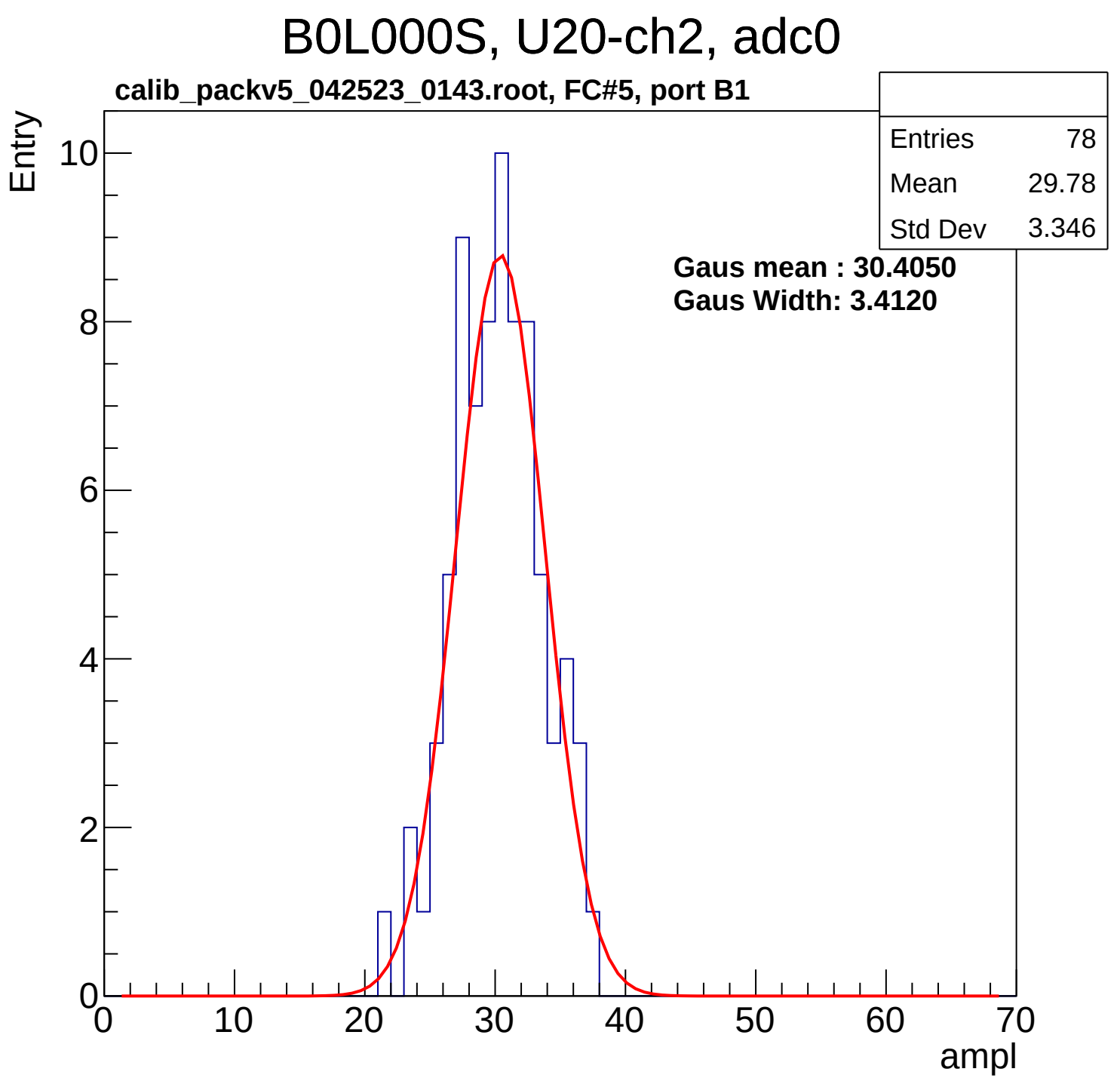
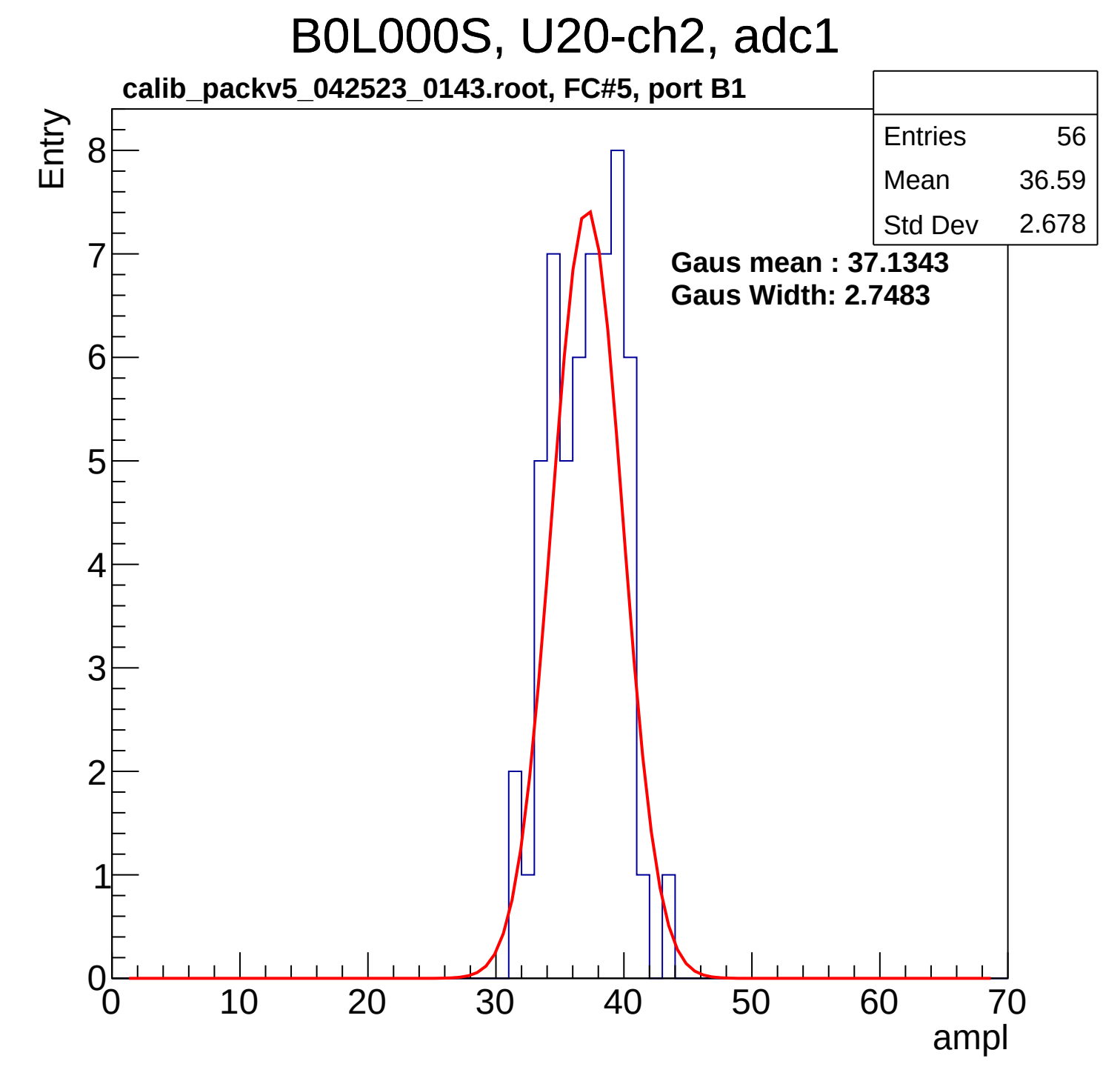

B0L000S, U20-ch1, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 15
Mean 62.2
Std Dev 1.166
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch1, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch2, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 78
Mean 29.78
Std Dev 3.346
Gaus mean : 30.4050
Gaus Width: 3.4120
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch2, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 36.59
Std Dev 2.678
Gaus mean : 37.1343
Gaus Width: 2.7483
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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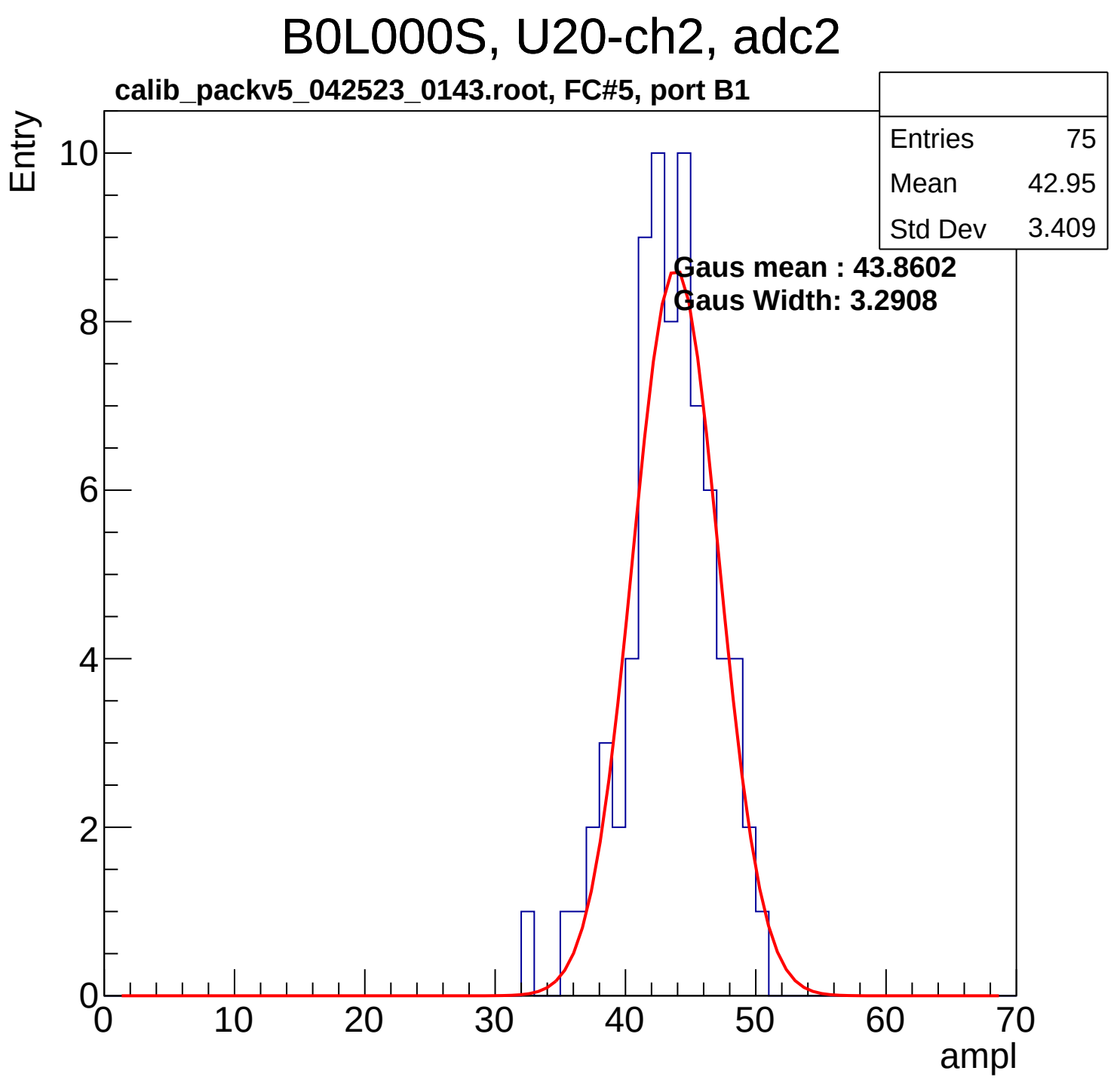
B0L000S, U20-ch2, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 42.95
Std Dev 3.409
Gaus mean : 43.8602
Gaus Width: 3.2908
Entry
ampl
0
2
4
6
8
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0
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40
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60
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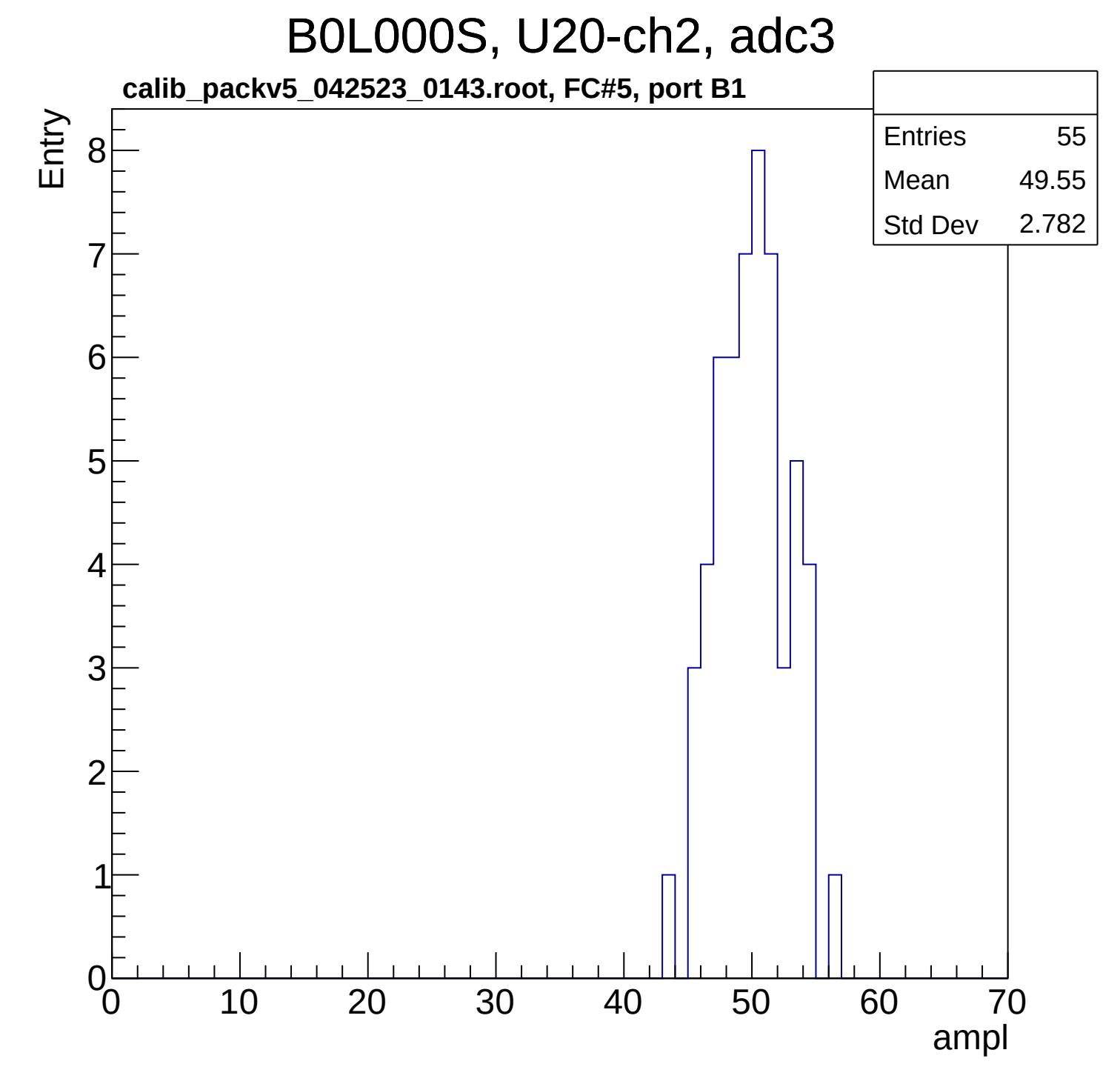
B0L000S, U20-ch2, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 49.55
Std Dev 2.782
Entry
ampl
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0
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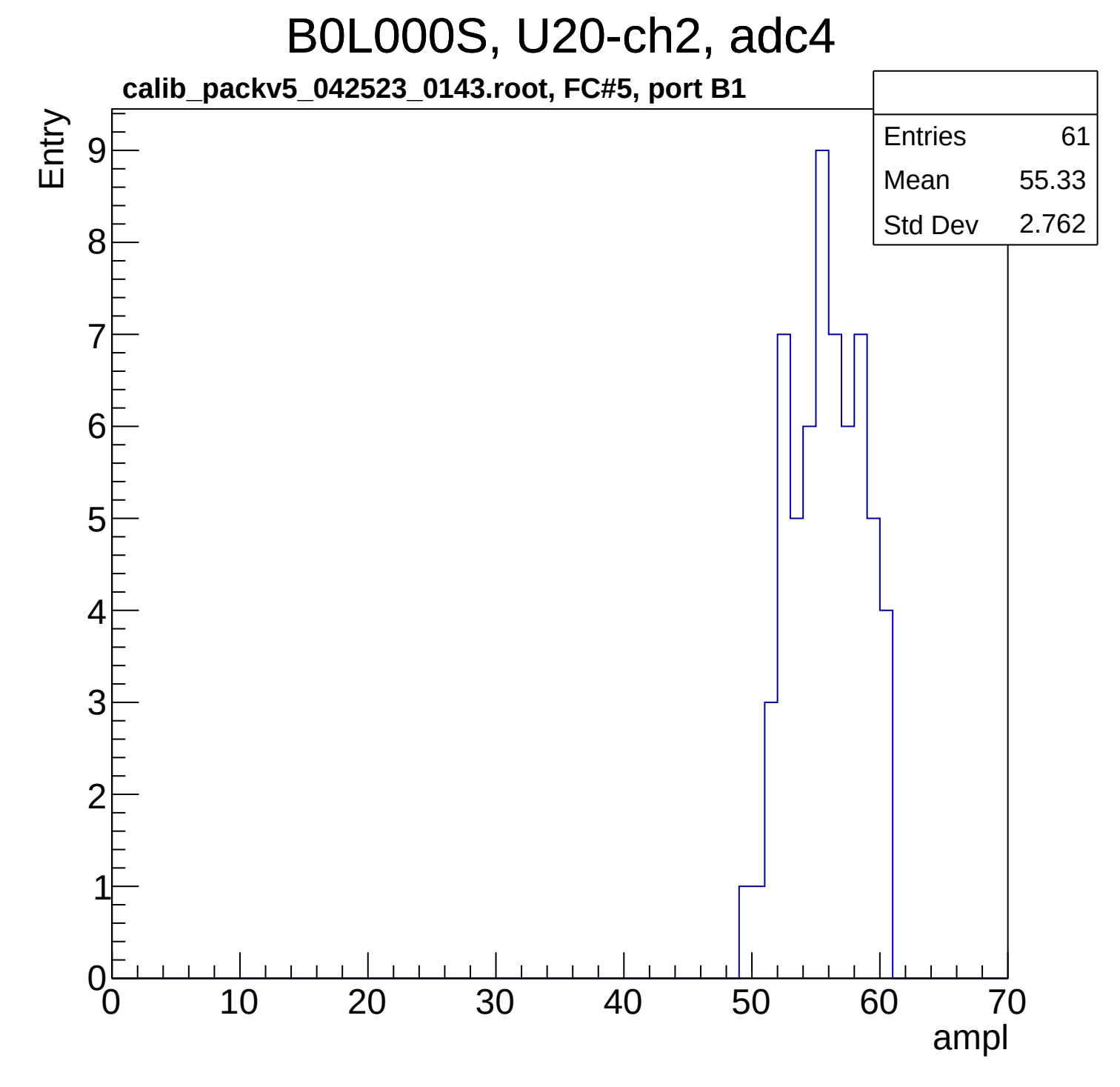
B0L000S, U20-ch2, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 55.33
Std Dev 2.762
Entry
ampl
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4
5
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0
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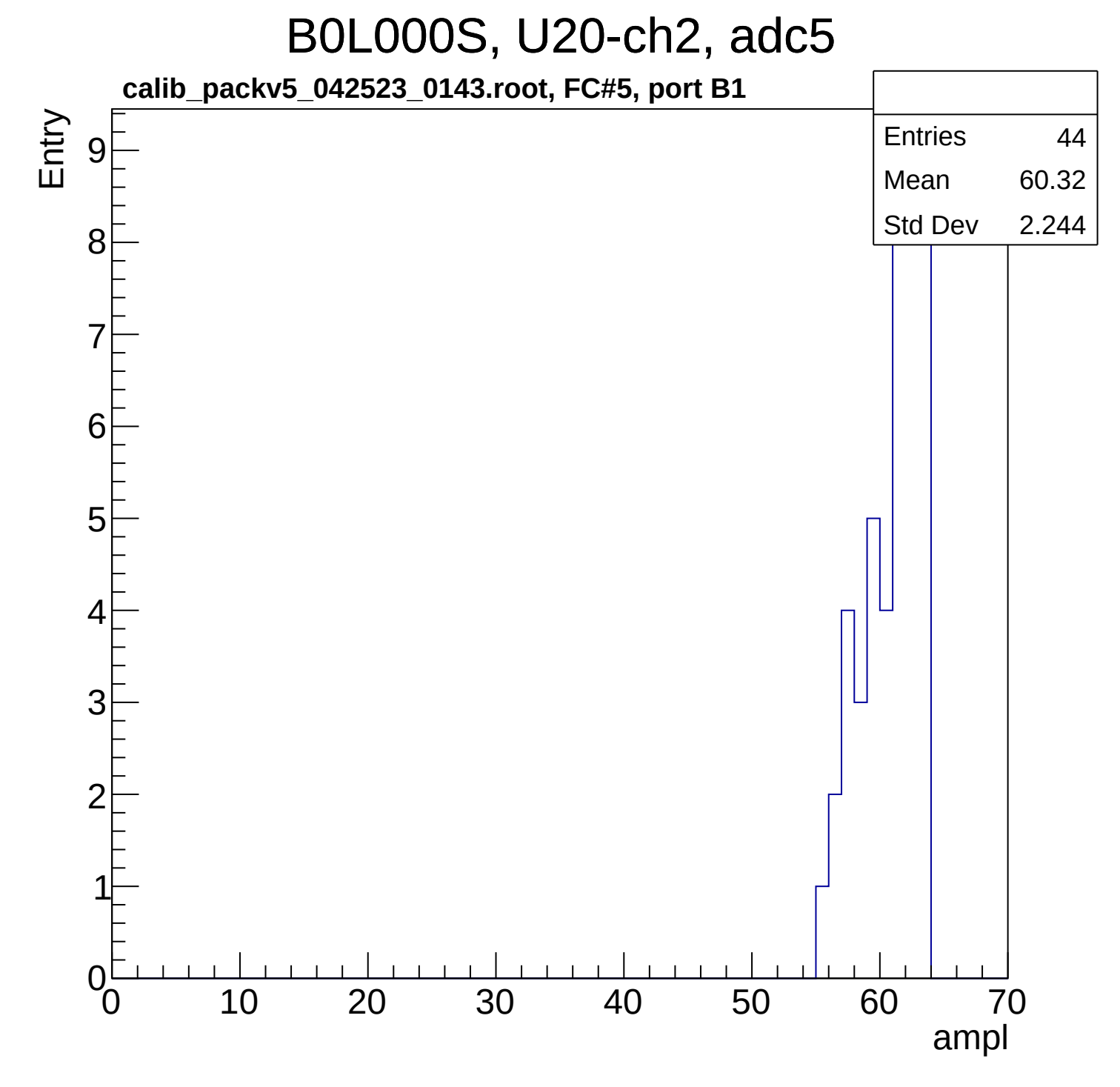
B0L000S, U20-ch2, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 60.32
Std Dev 2.244
Entry
ampl
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2
3
4
5
6
7
8
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0
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60
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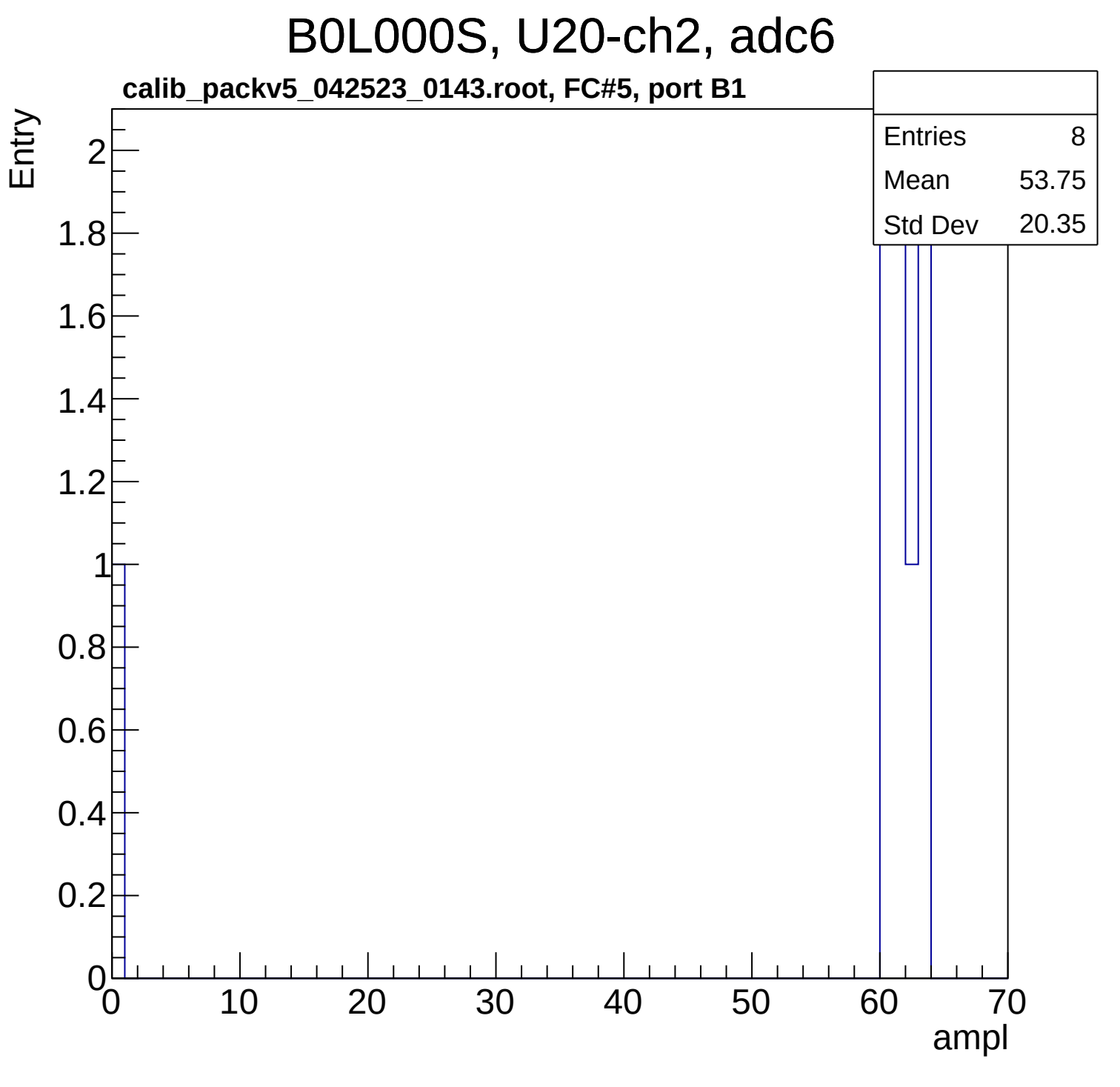
B0L000S, U20-ch2, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 53.75
Std Dev 20.35
Entry
ampl
0
0.2
0.4
0.6
0.8
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1.2
1.4
1.6
1.8
2
0
10
20
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40
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60
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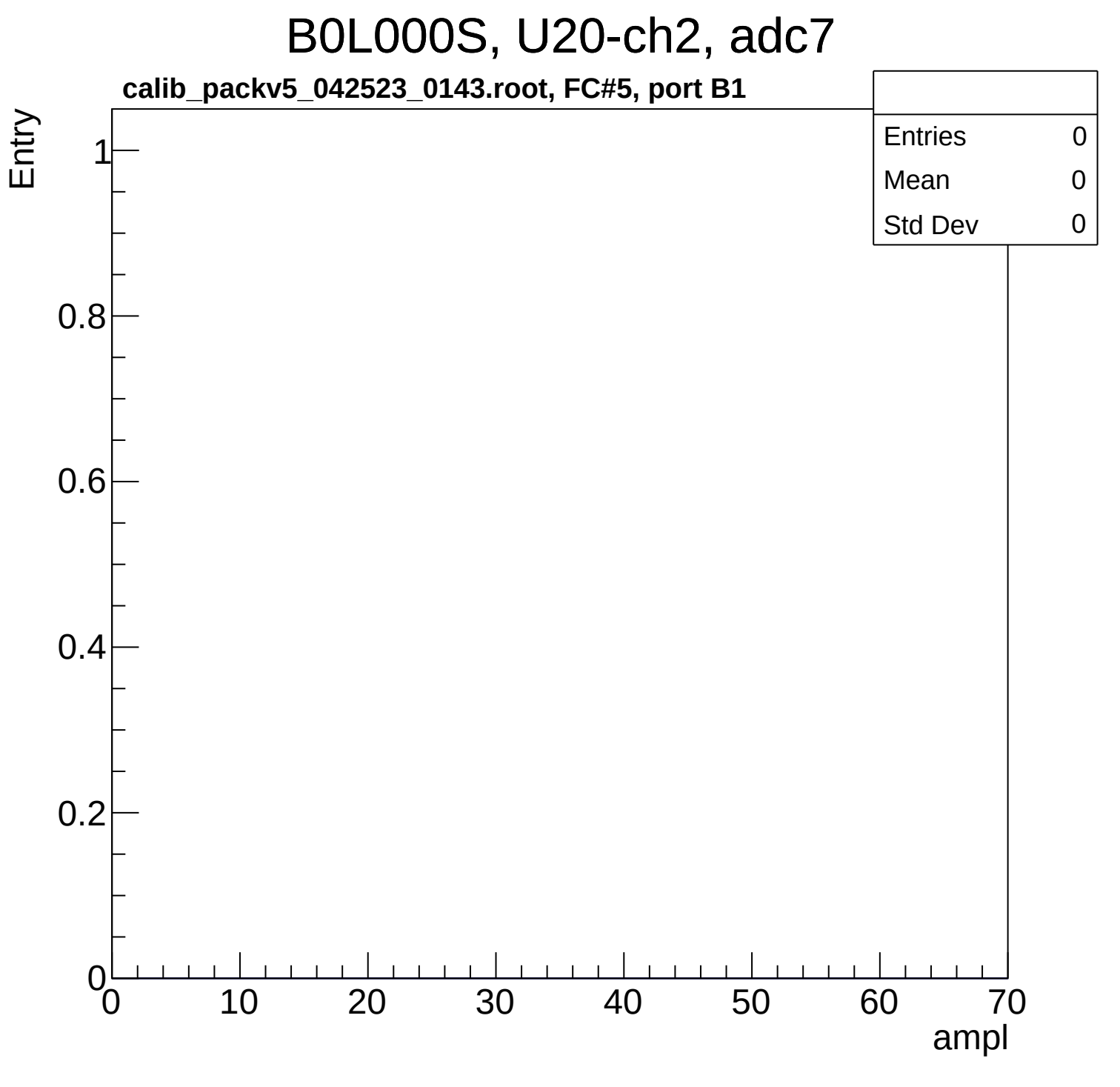
B0L000S, U20-ch2, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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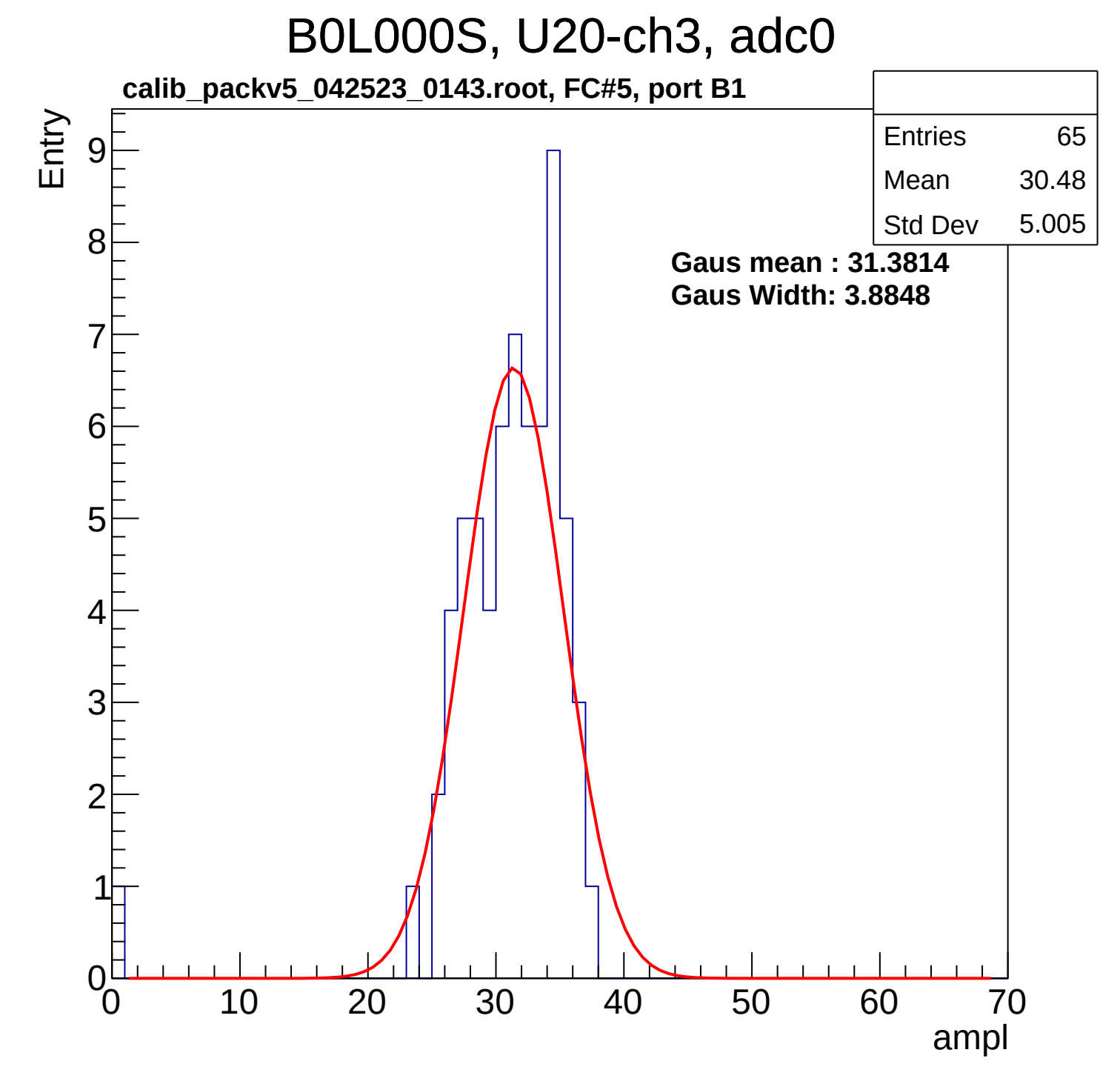
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch3, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 30.48
Std Dev 5.005
Gaus mean : 31.3814
Gaus Width: 3.8848
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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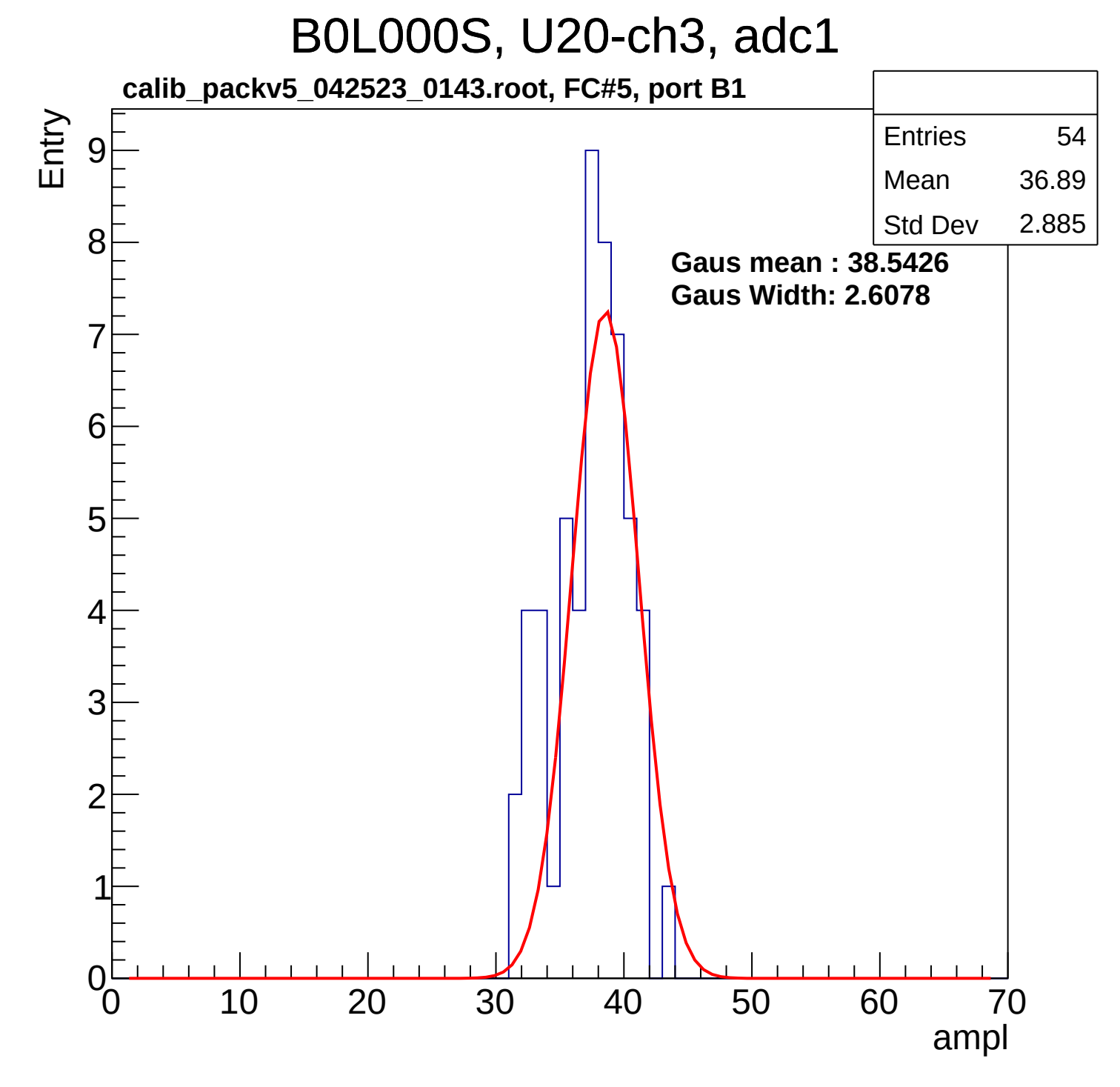
B0L000S, U20-ch3, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 36.89
Std Dev 2.885
Gaus mean : 38.5426
Gaus Width: 2.6078
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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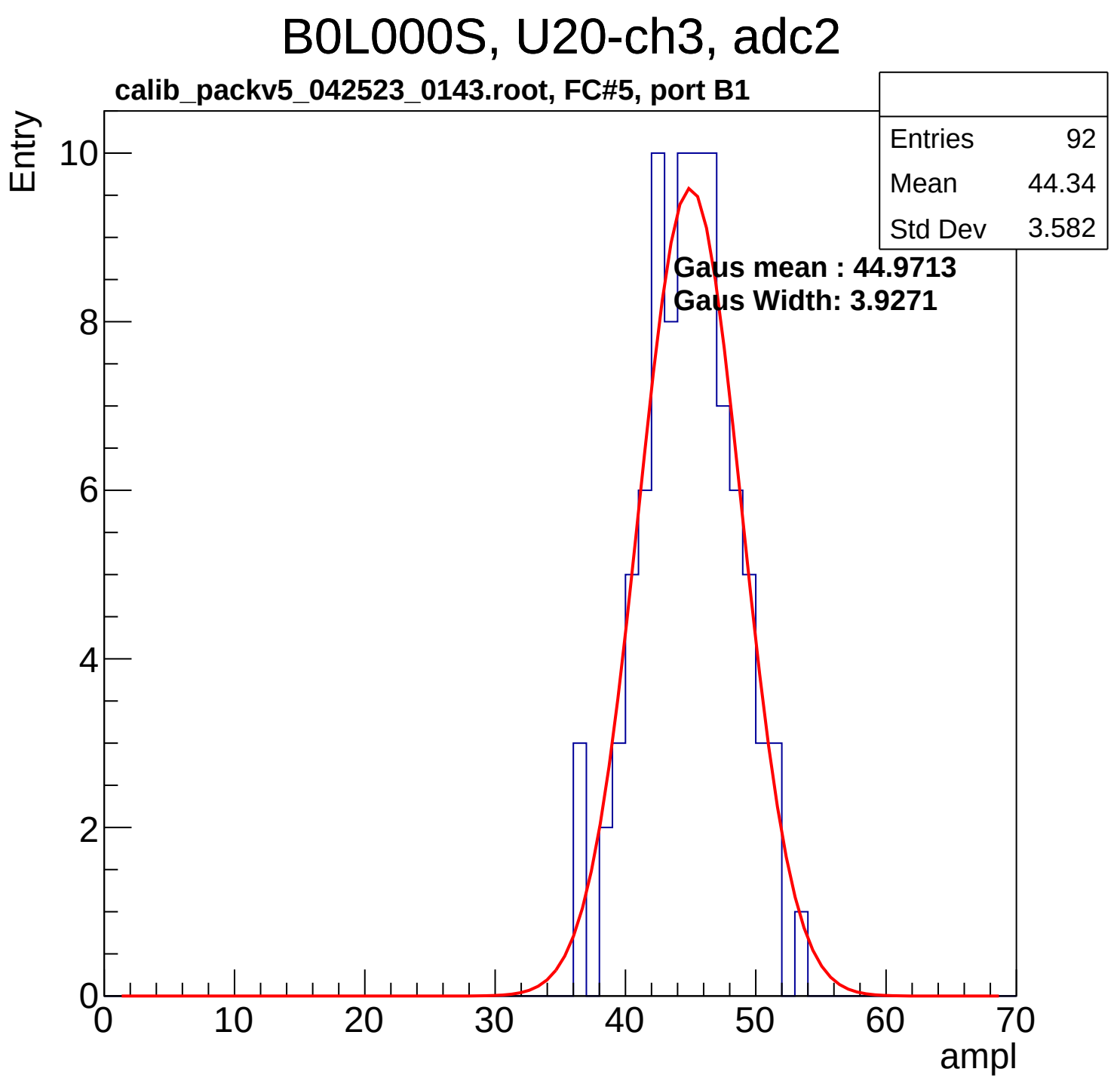
B0L000S, U20-ch3, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 92
Mean 44.34
Std Dev 3.582
Gaus mean : 44.9713
Gaus Width: 3.9271
Entry
ampl
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2
4
6
8
10
0
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20
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40
50
60
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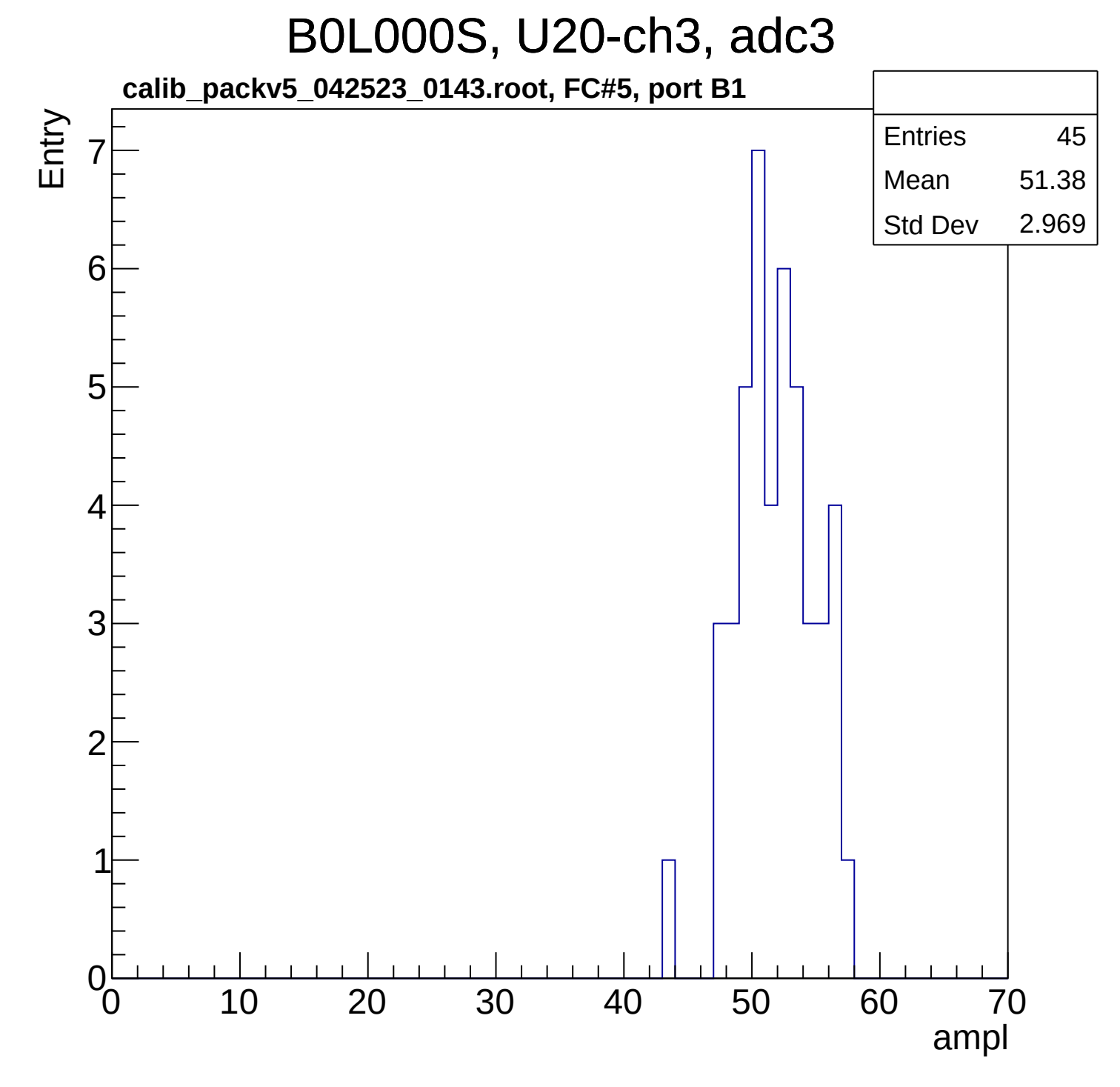
B0L000S, U20-ch3, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 51.38
Std Dev 2.969
Entry
ampl
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3
4
5
6
7
0
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30
40
50
60
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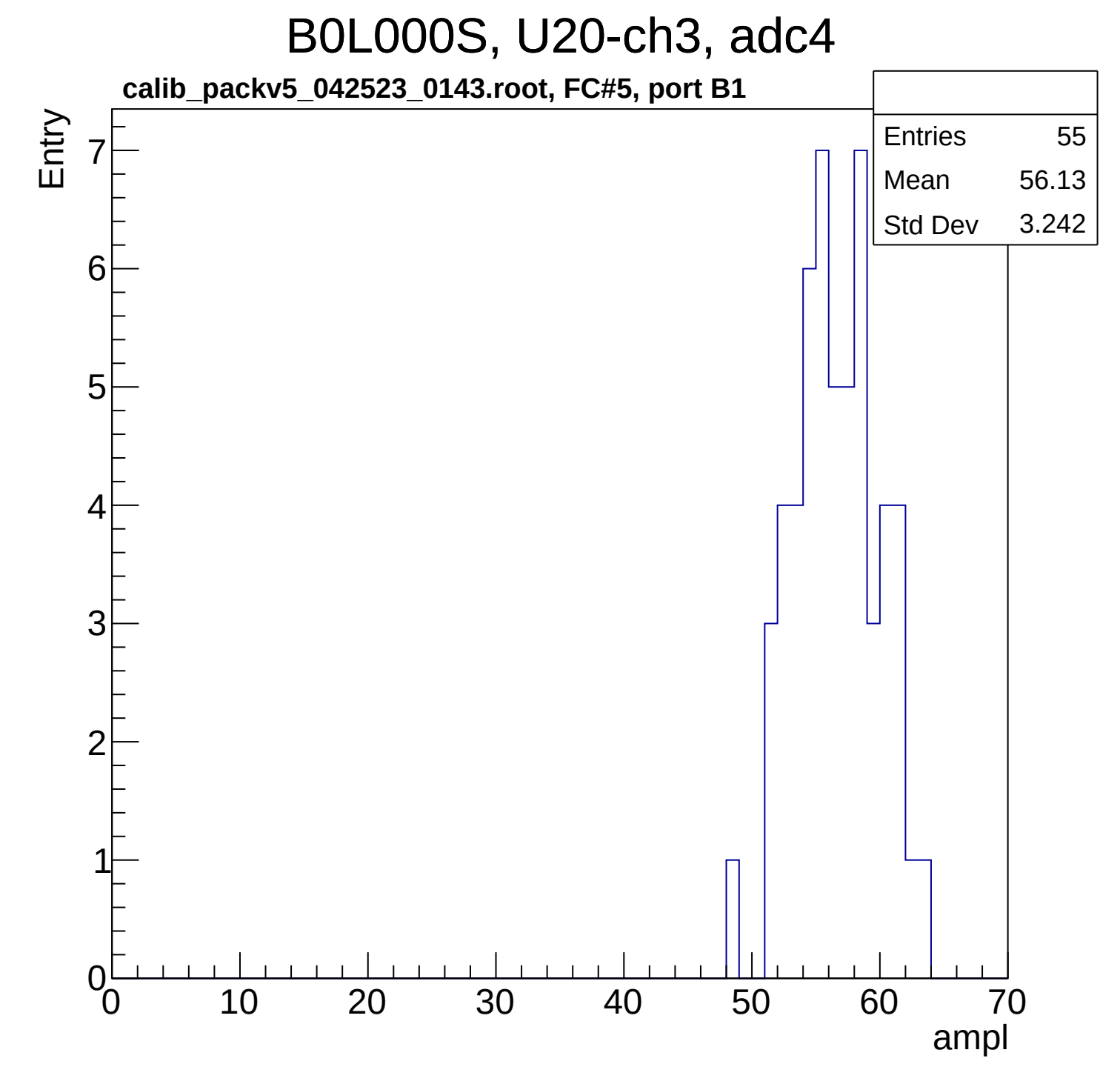
B0L000S, U20-ch3, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 56.13
Std Dev 3.242
Entry
ampl
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1
2
3
4
5
6
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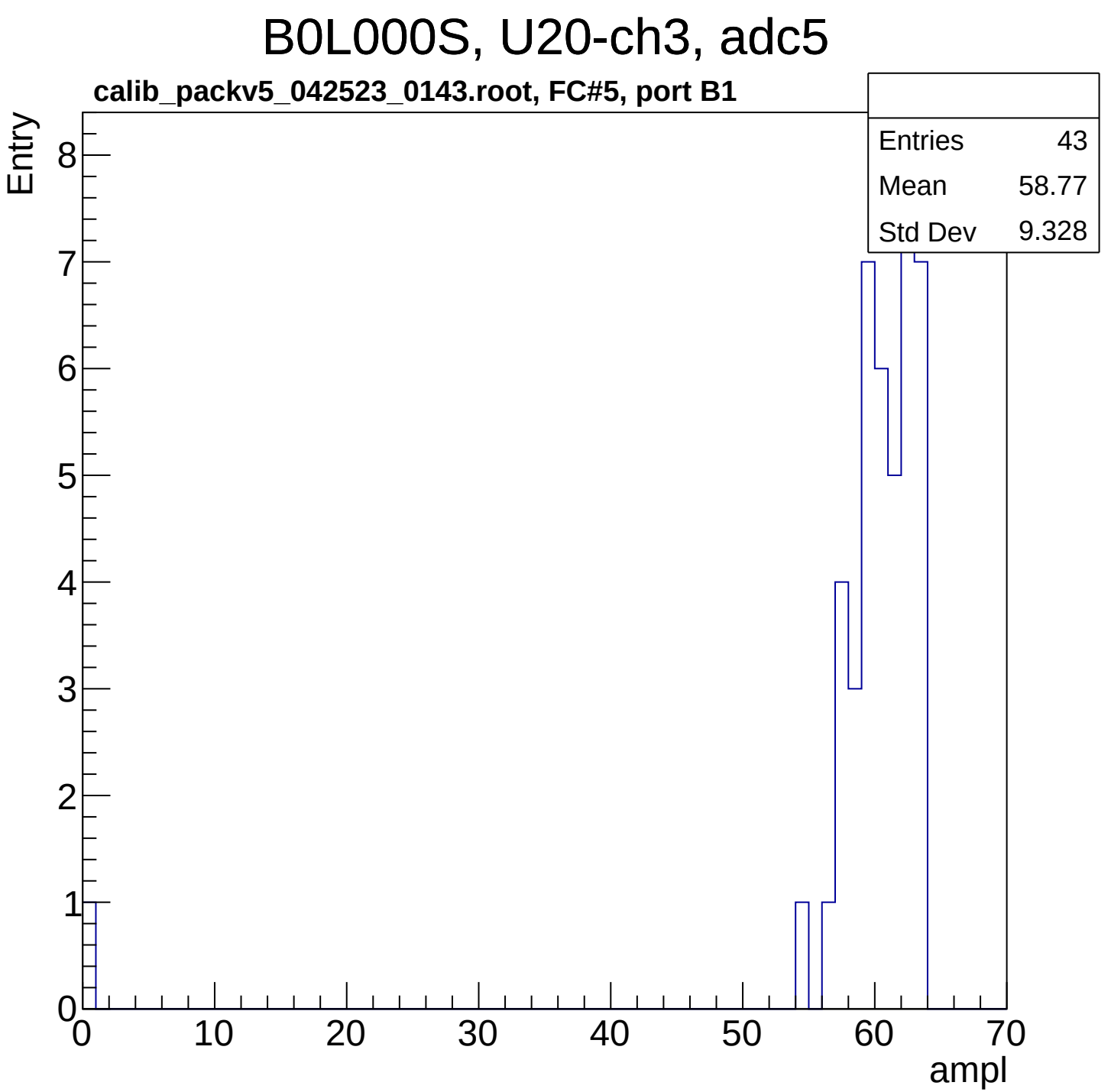
B0L000S, U20-ch3, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 58.77
Std Dev 9.328
Entry
ampl
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2
3
4
5
6
7
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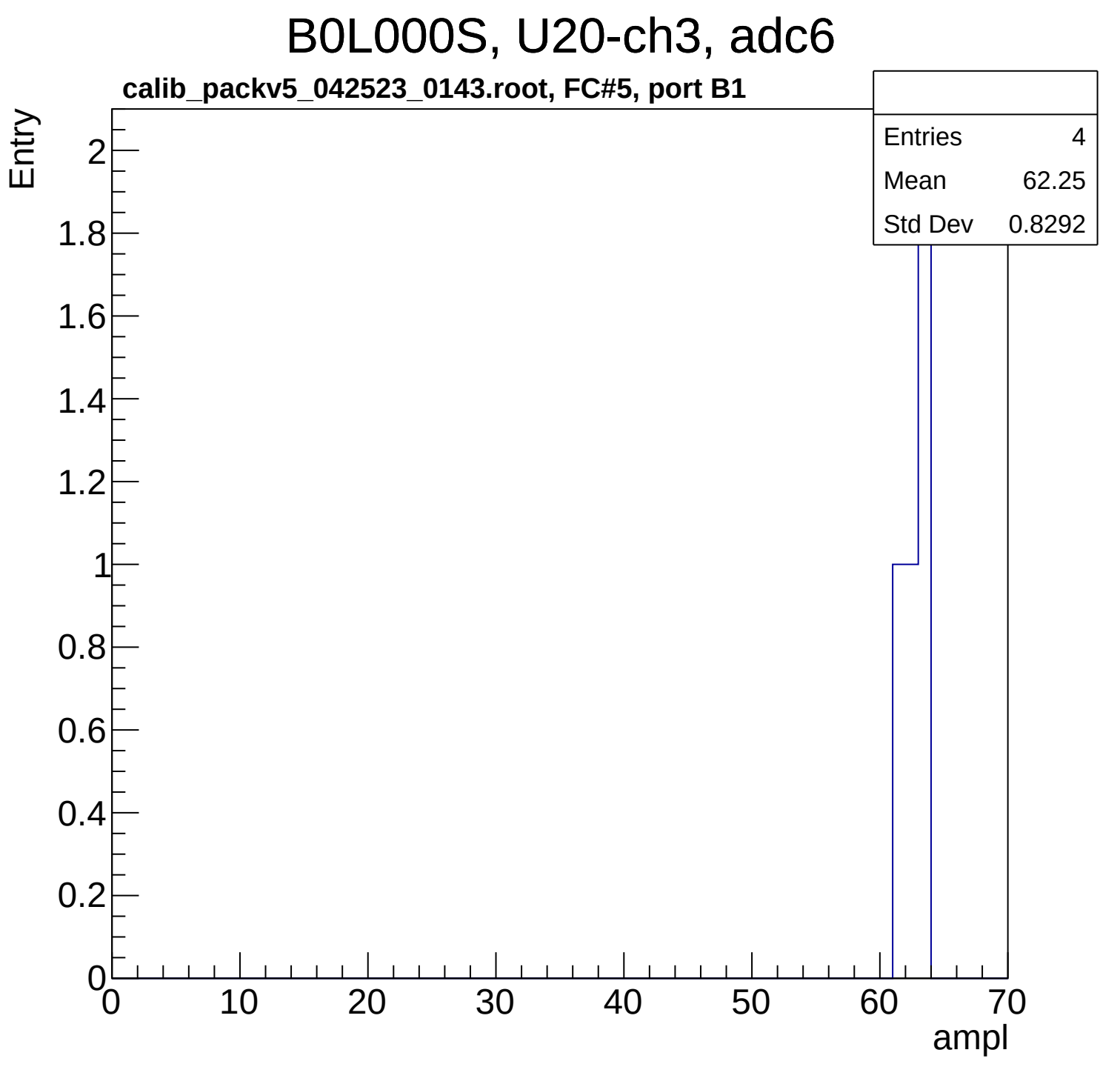
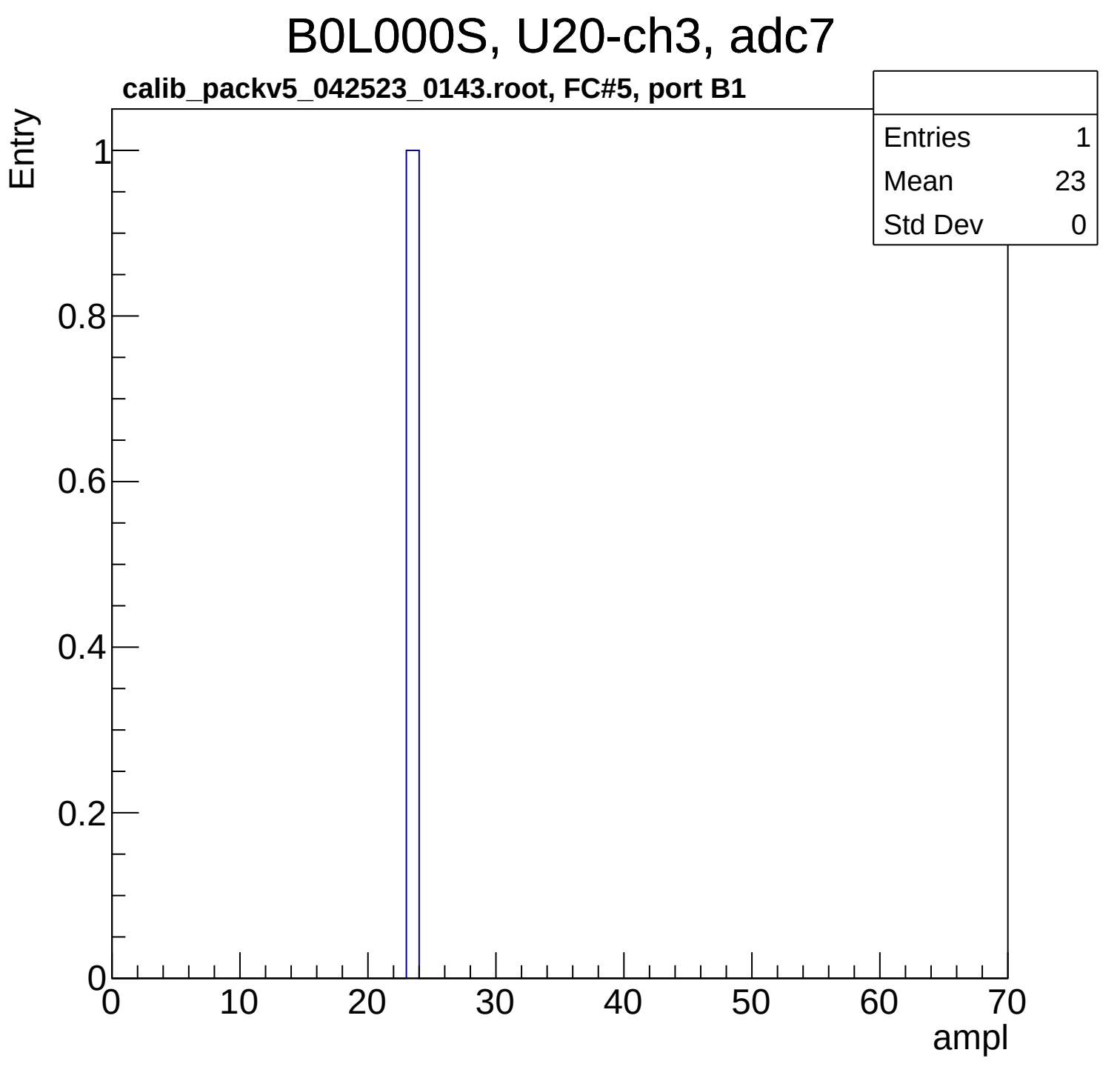

B0L000S, U20-ch3, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62.25
Std Dev 0.8292
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch3, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 23
Std Dev 0
Entry
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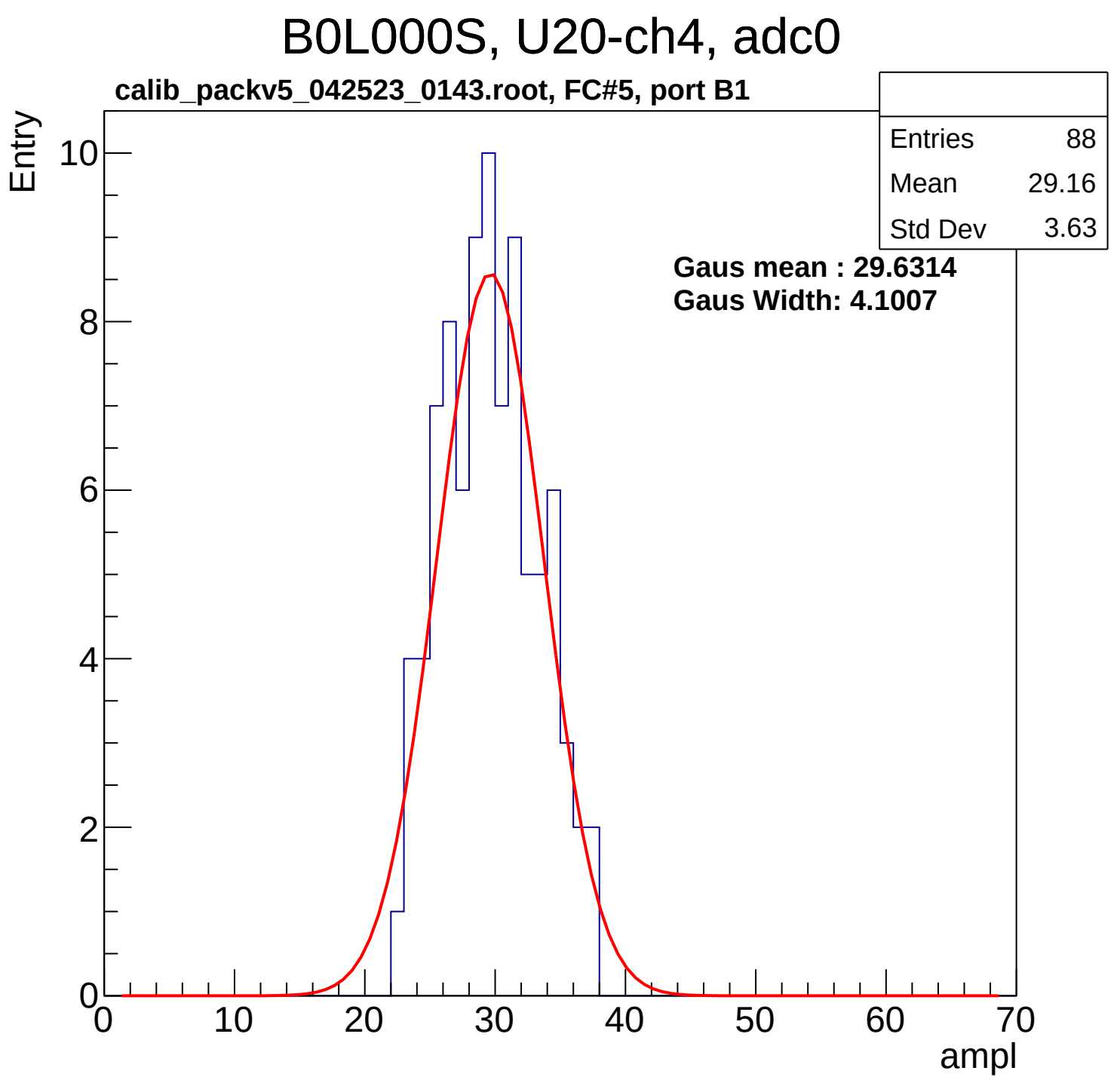
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch4, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 88
Mean 29.16
Std Dev 3.63
Gaus mean : 29.6314
Gaus Width: 4.1007
Entry
ampl
0
2
4
6
8
10
0
10
20
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40
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60
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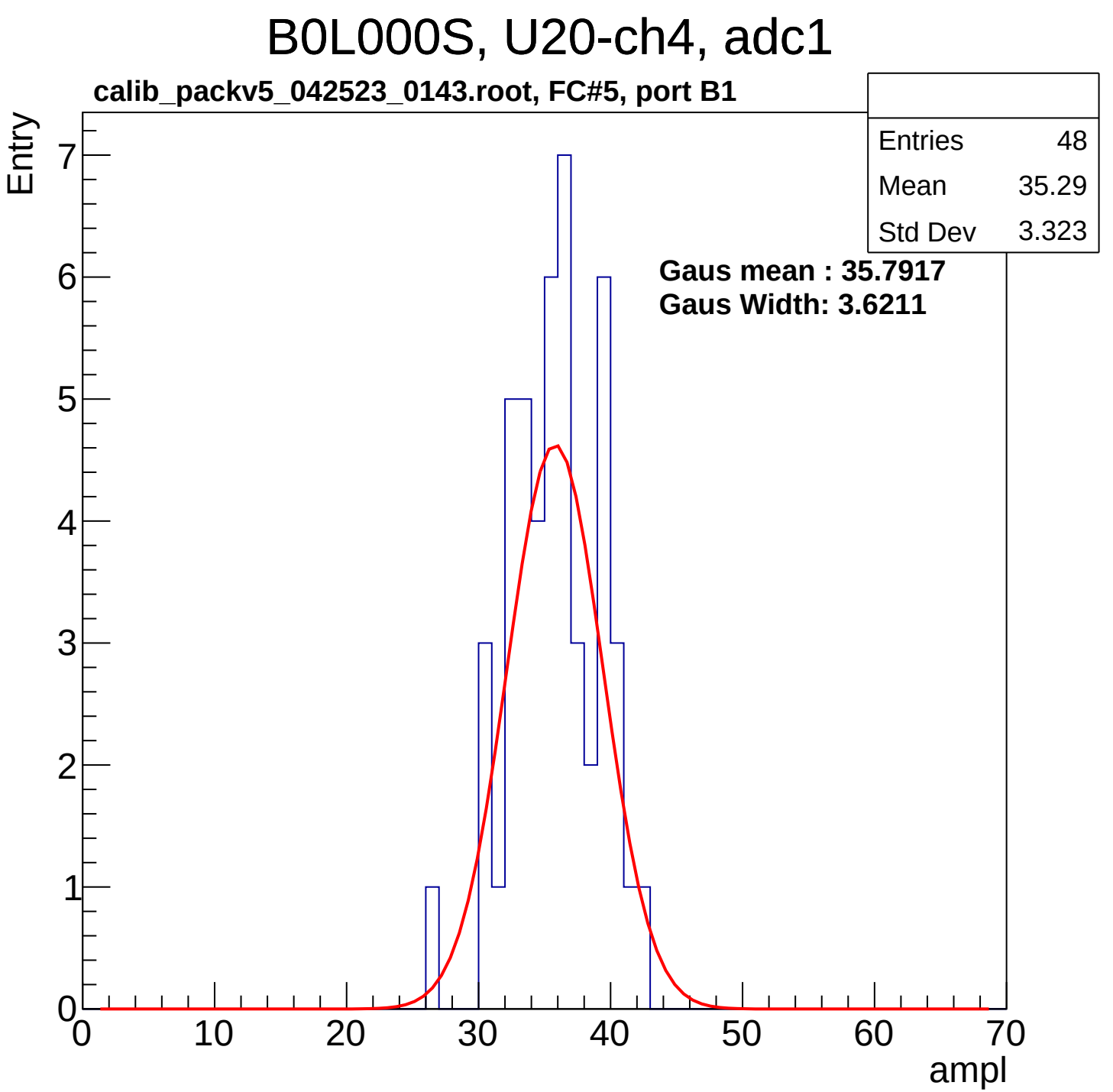
B0L000S, U20-ch4, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 35.29
Std Dev 3.323
Gaus mean : 35.7917
Gaus Width: 3.6211
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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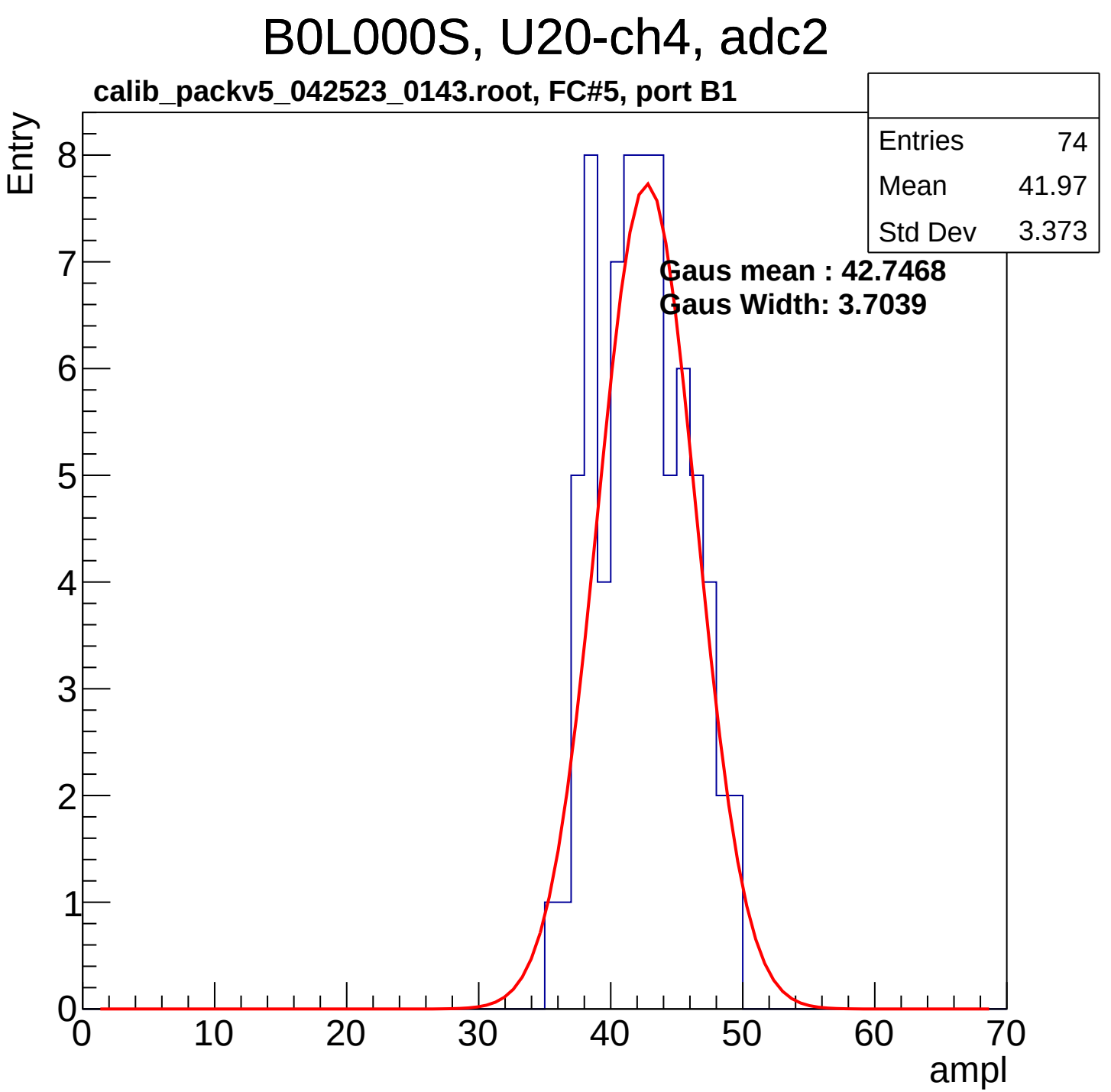
B0L000S, U20-ch4, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 41.97
Std Dev 3.373
Gaus mean : 42.7468
Gaus Width: 3.7039
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
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60
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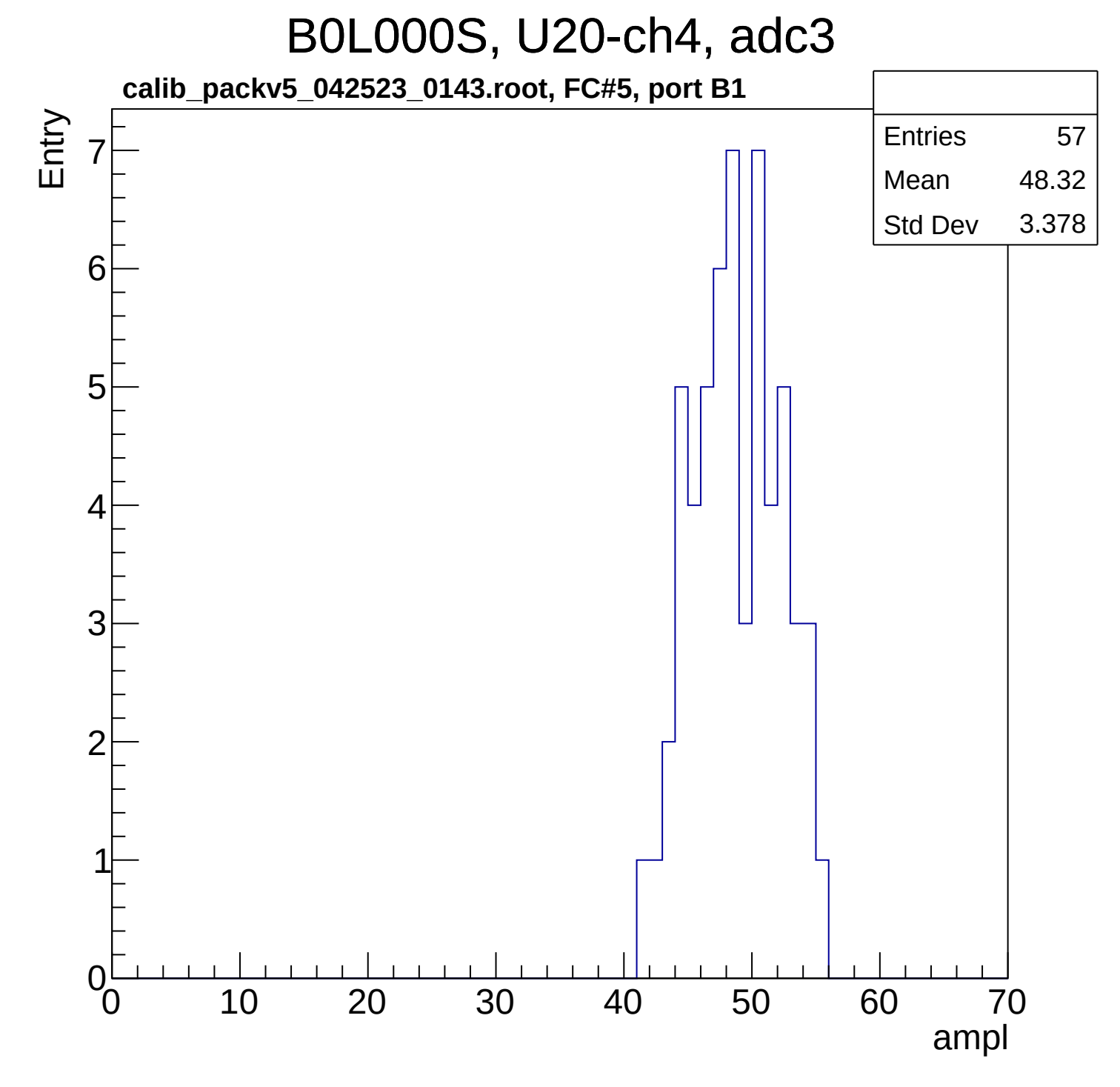
B0L000S, U20-ch4, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 48.32
Std Dev 3.378
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
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60
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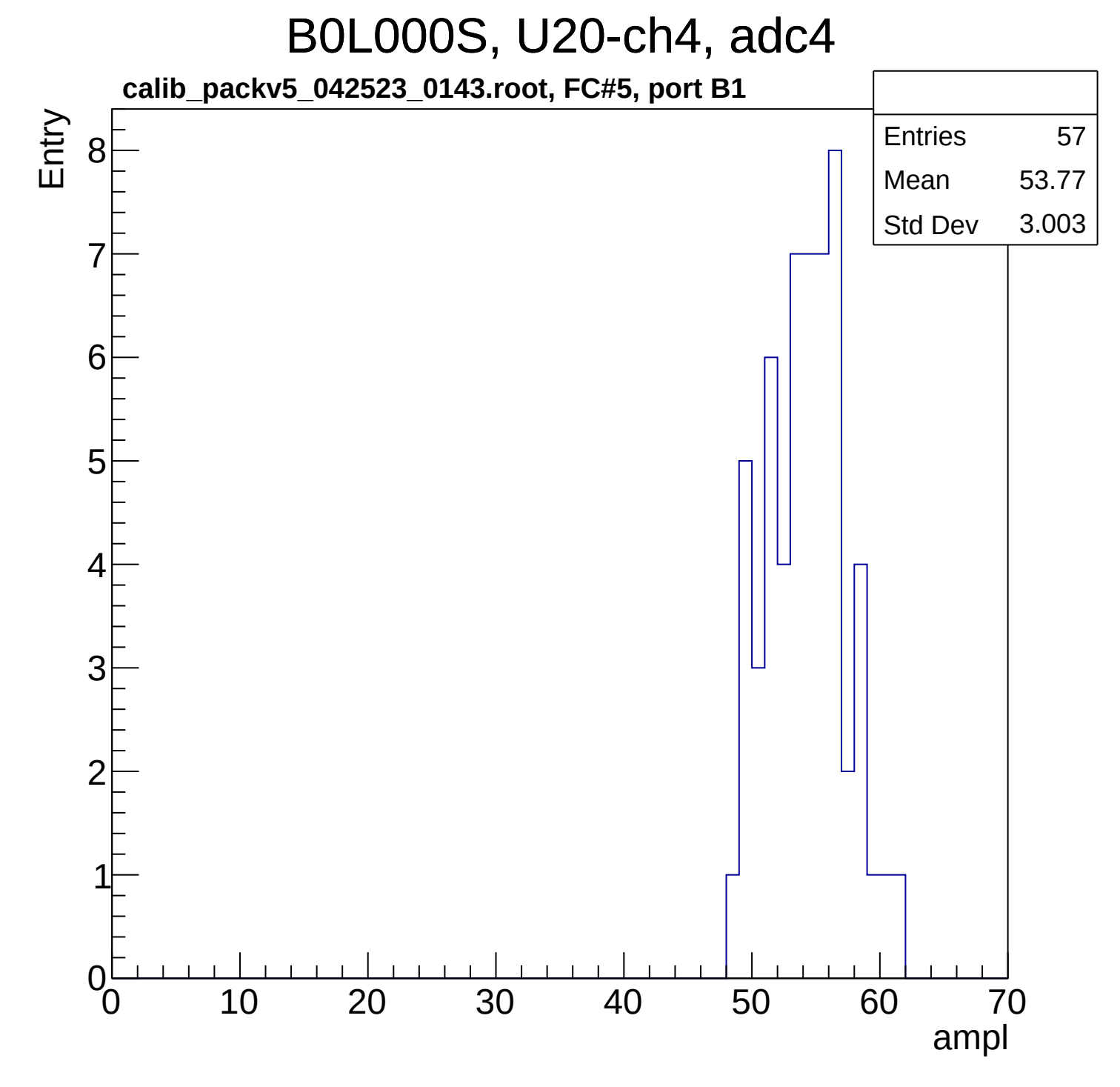
B0L000S, U20-ch4, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 53.77
Std Dev 3.003
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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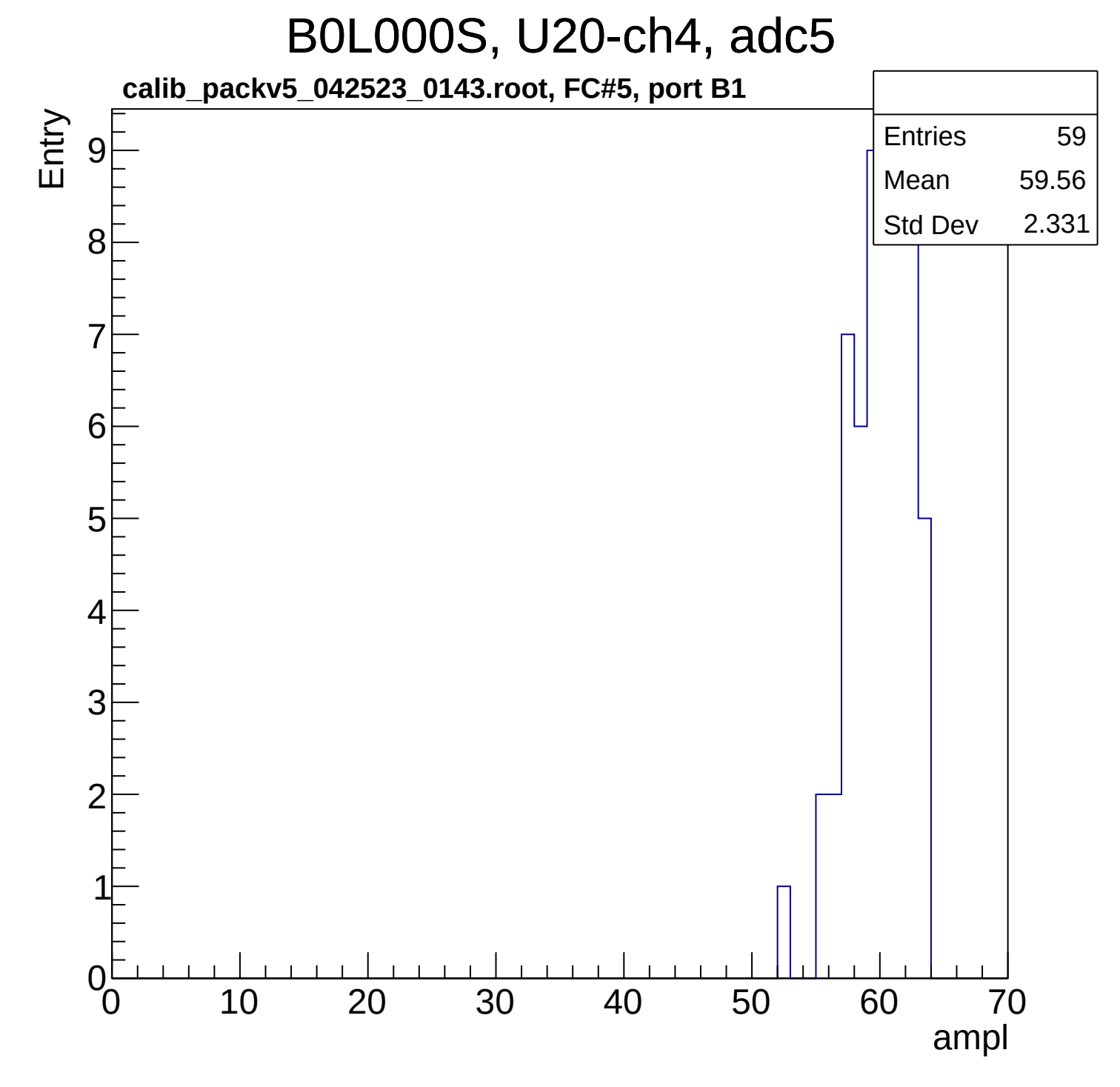
B0L000S, U20-ch4, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 59.56
Std Dev 2.331
Entry
ampl
0
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2
3
4
5
6
7
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0
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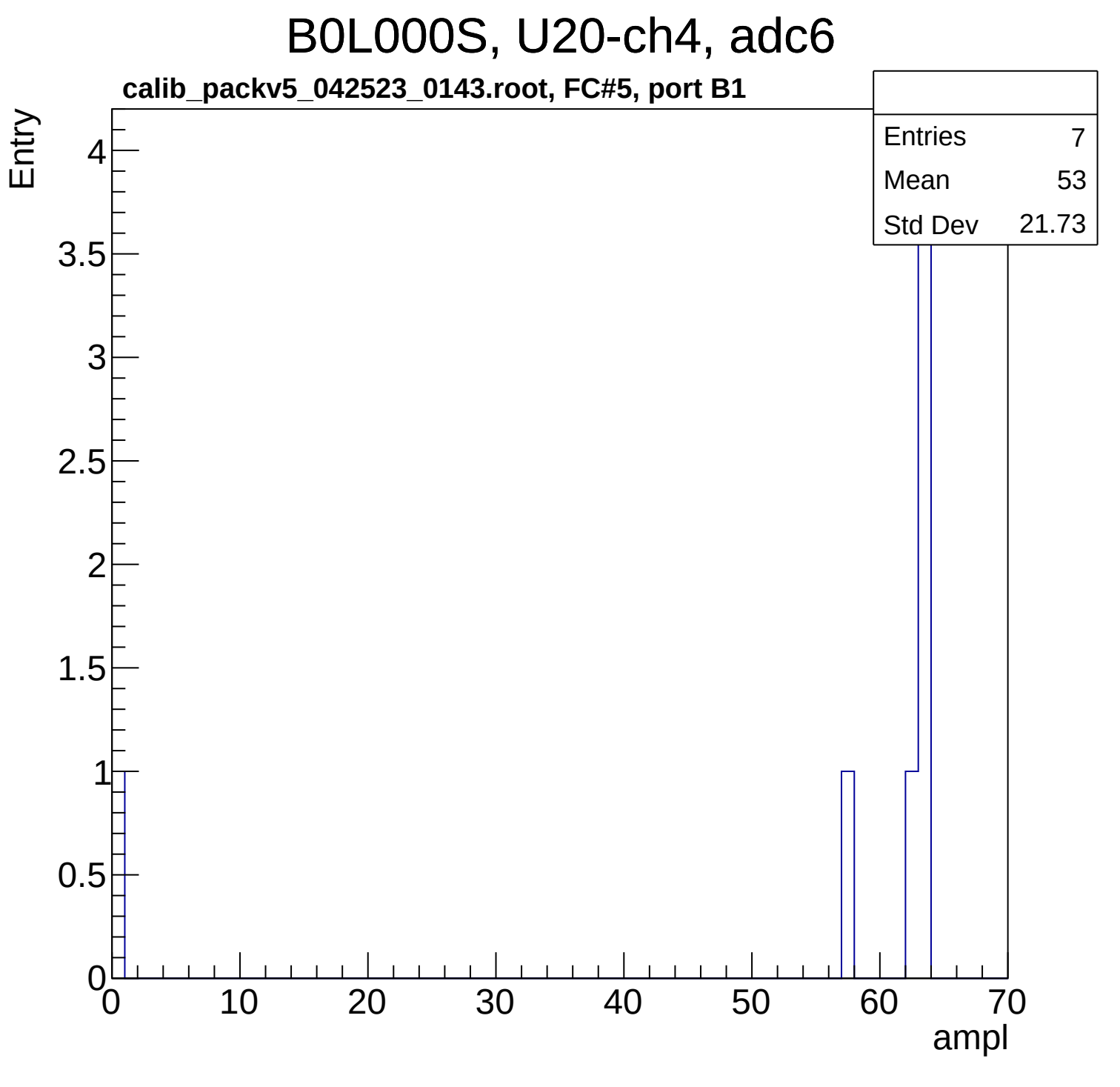
B0L000S, U20-ch4, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 53
Std Dev 21.73
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
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40
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60
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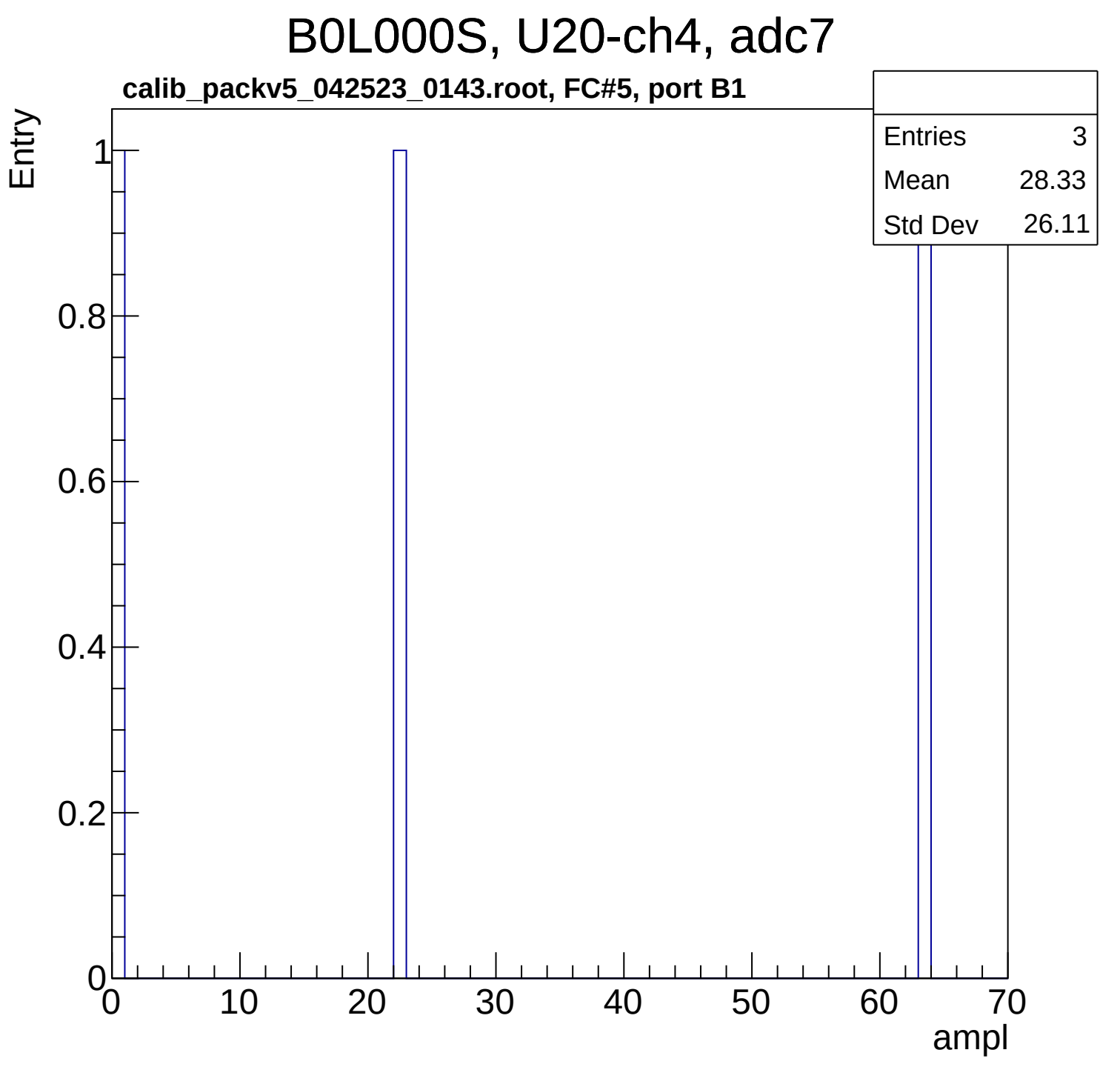
B0L000S, U20-ch4, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 28.33
Std Dev 26.11
Entry
ampl
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0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
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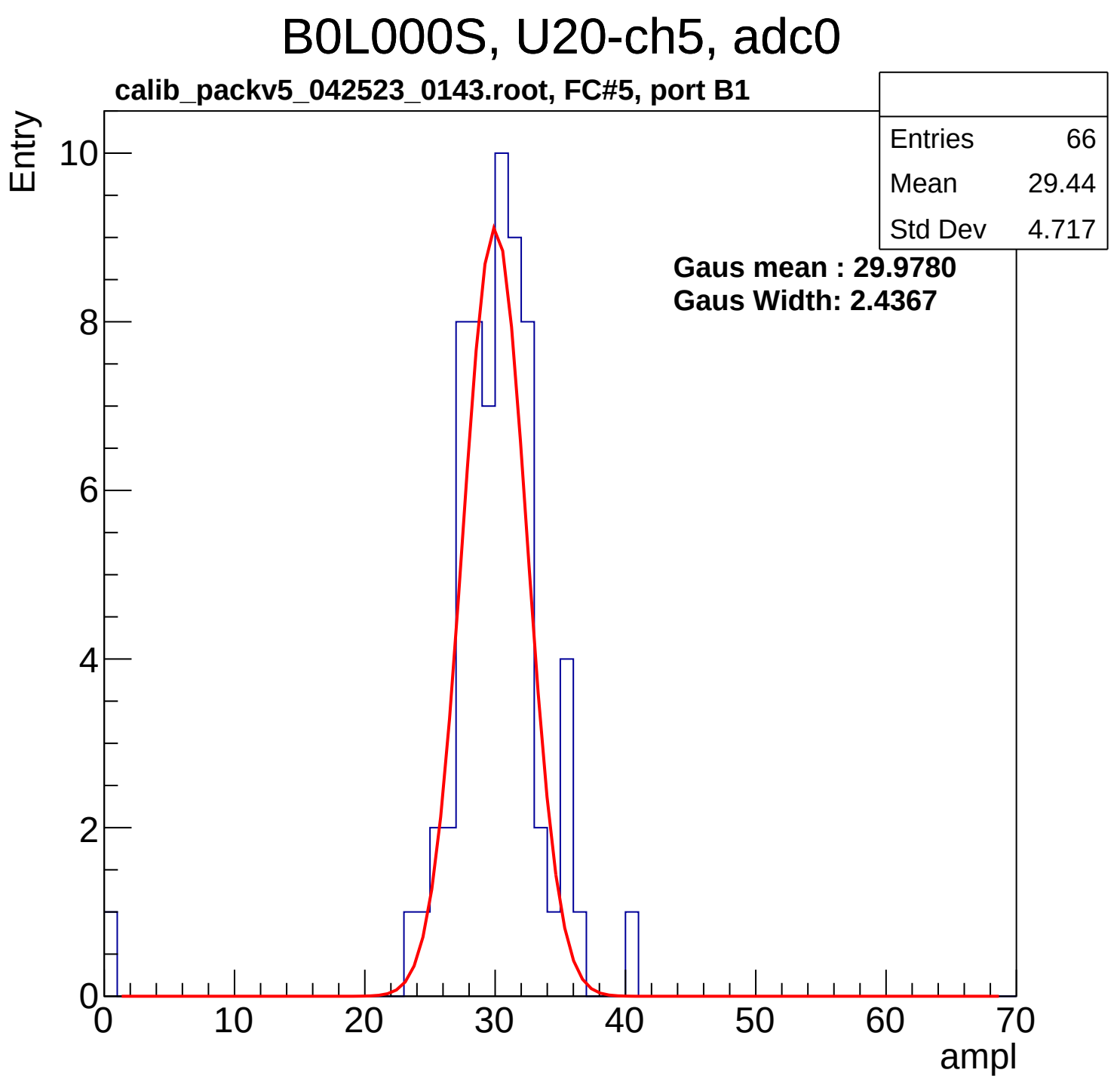
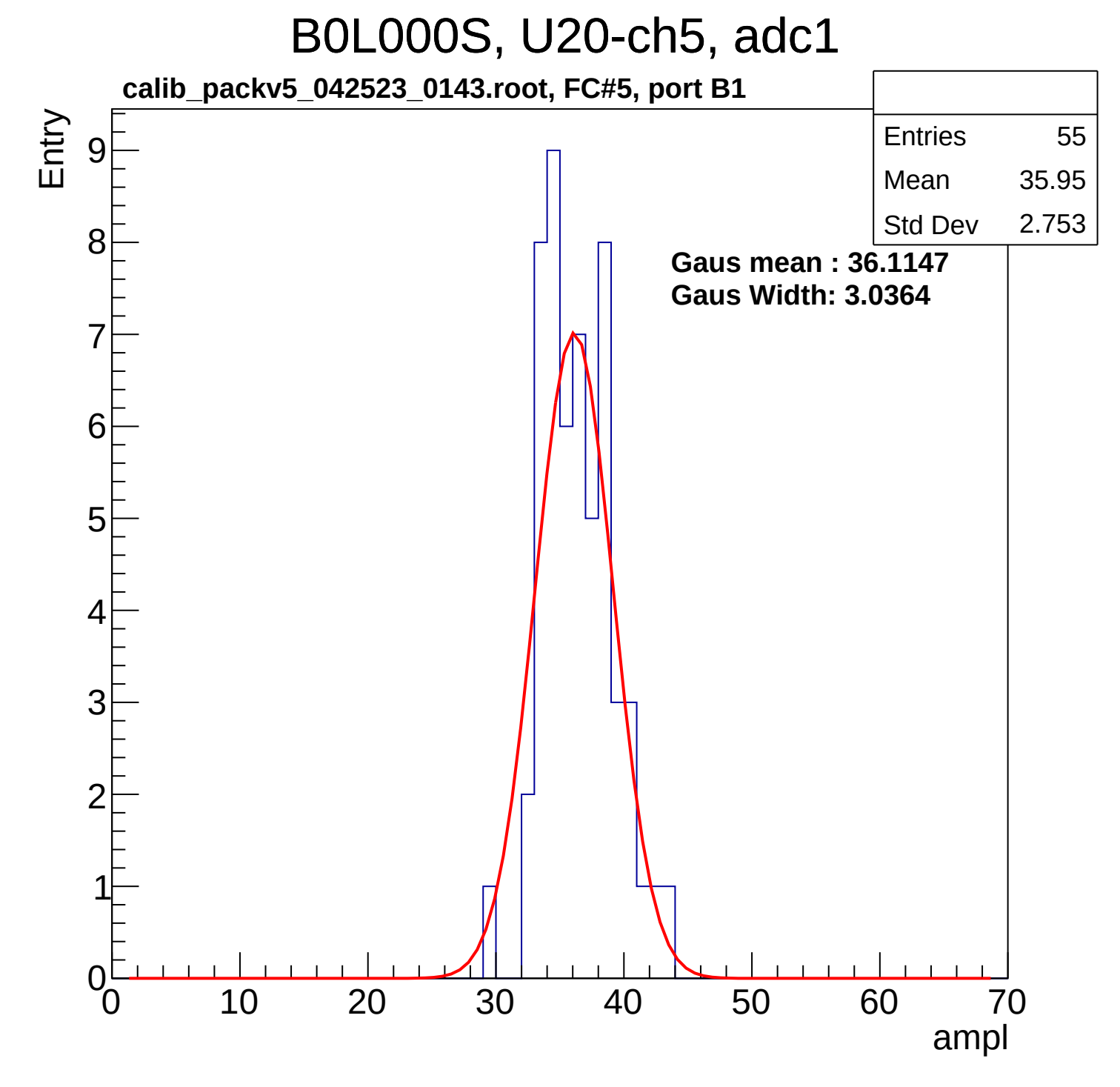

B0L000S, U20-ch5, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 29.44
Std Dev 4.717
Gaus mean : 29.9780
Gaus Width: 2.4367
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch5, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 35.95
Std Dev 2.753
Gaus mean : 36.1147
Gaus Width: 3.0364
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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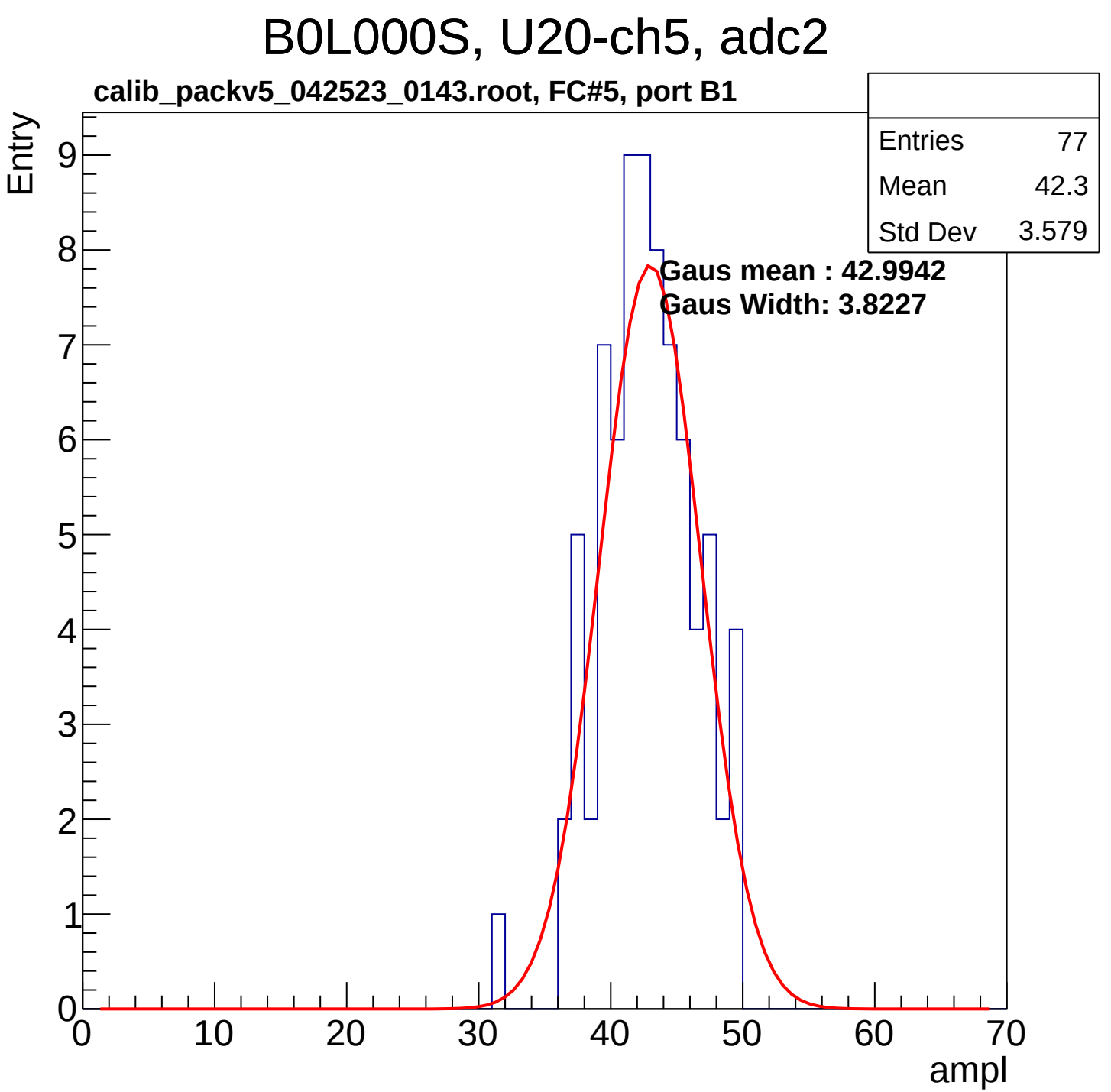
B0L000S, U20-ch5, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 42.3
Std Dev 3.579
Gaus mean : 42.9942
Gaus Width: 3.8227
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
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40
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60
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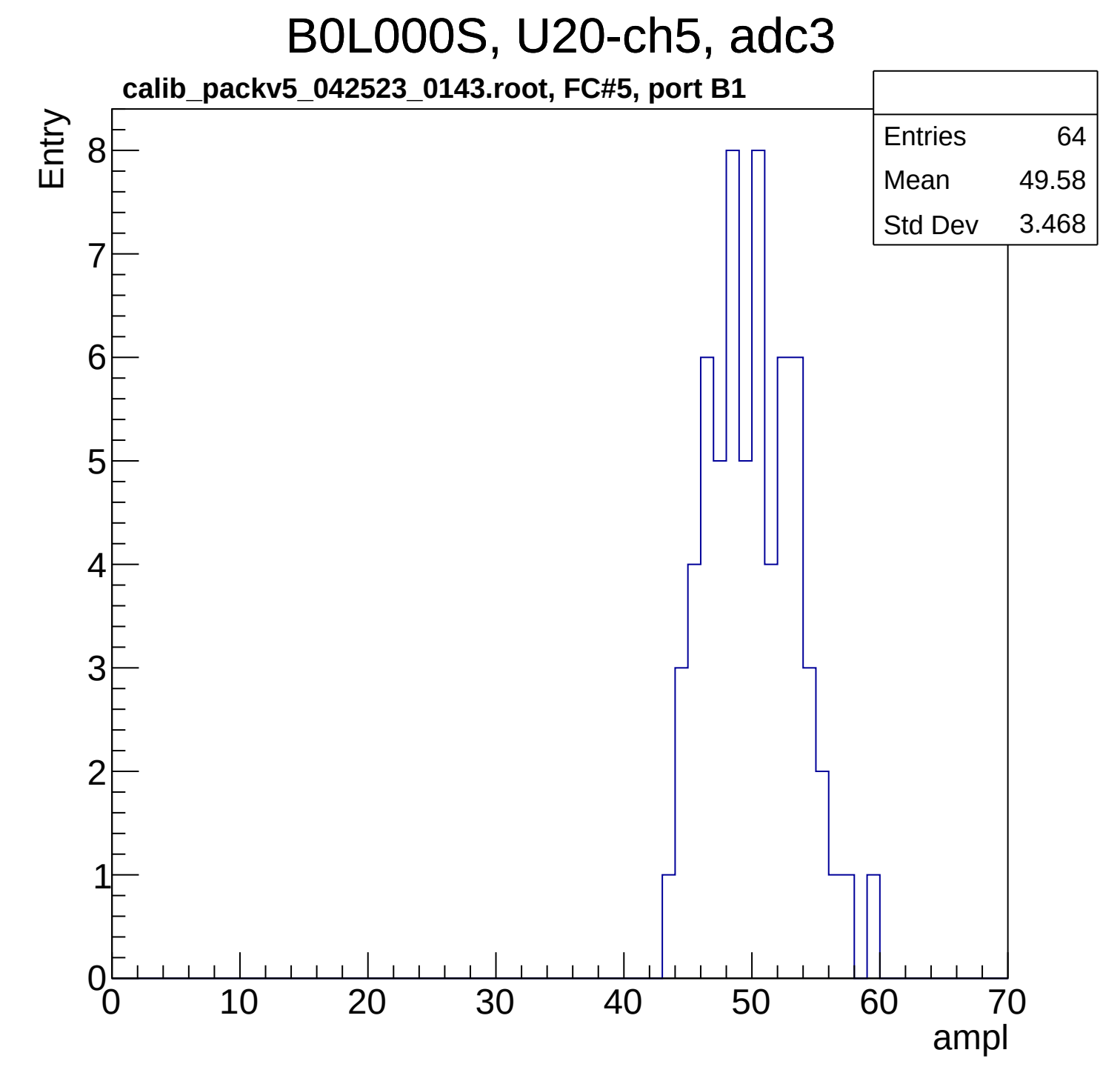
B0L000S, U20-ch5, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 49.58
Std Dev 3.468
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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60
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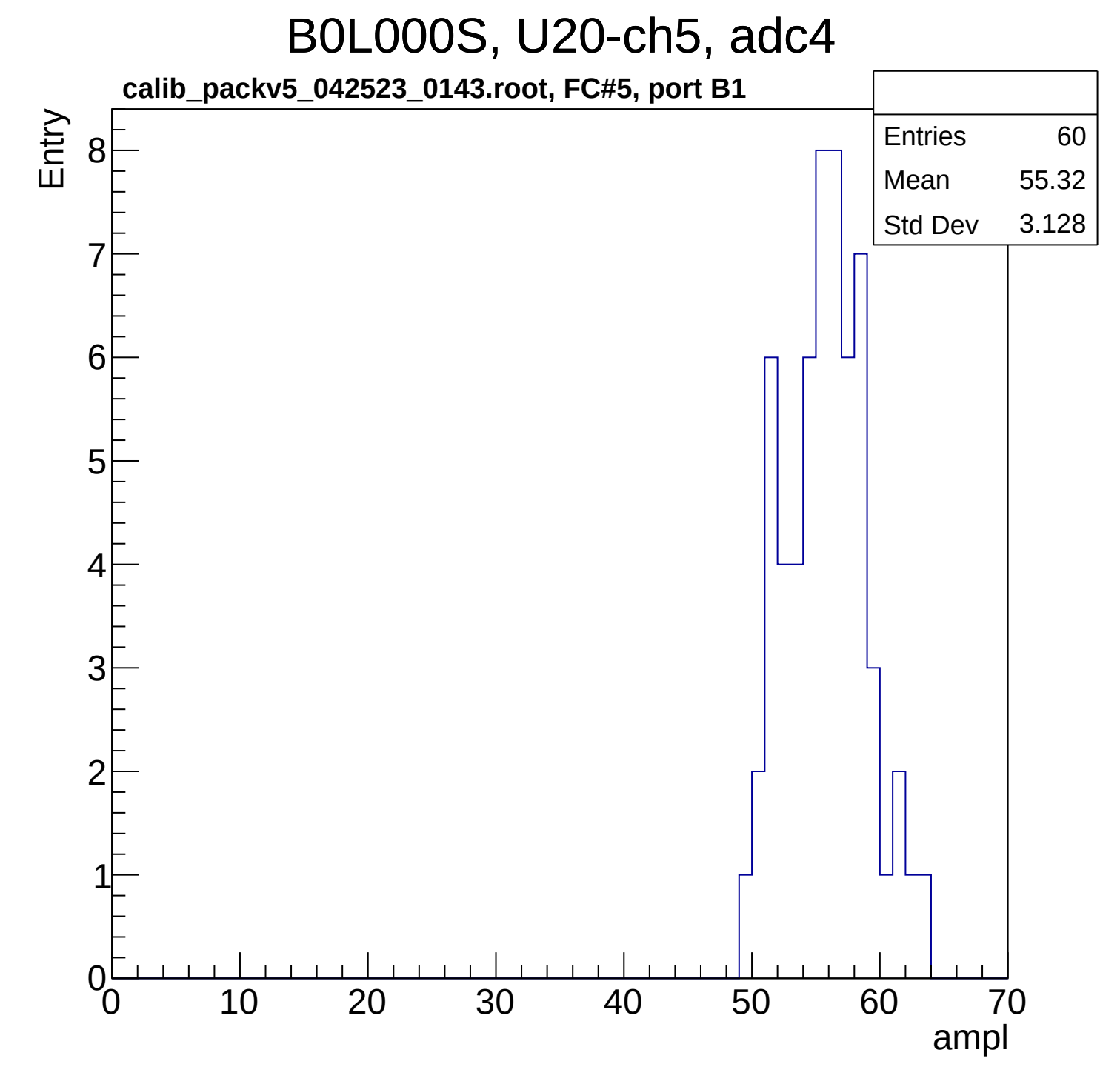
B0L000S, U20-ch5, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 55.32
Std Dev 3.128
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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40
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60
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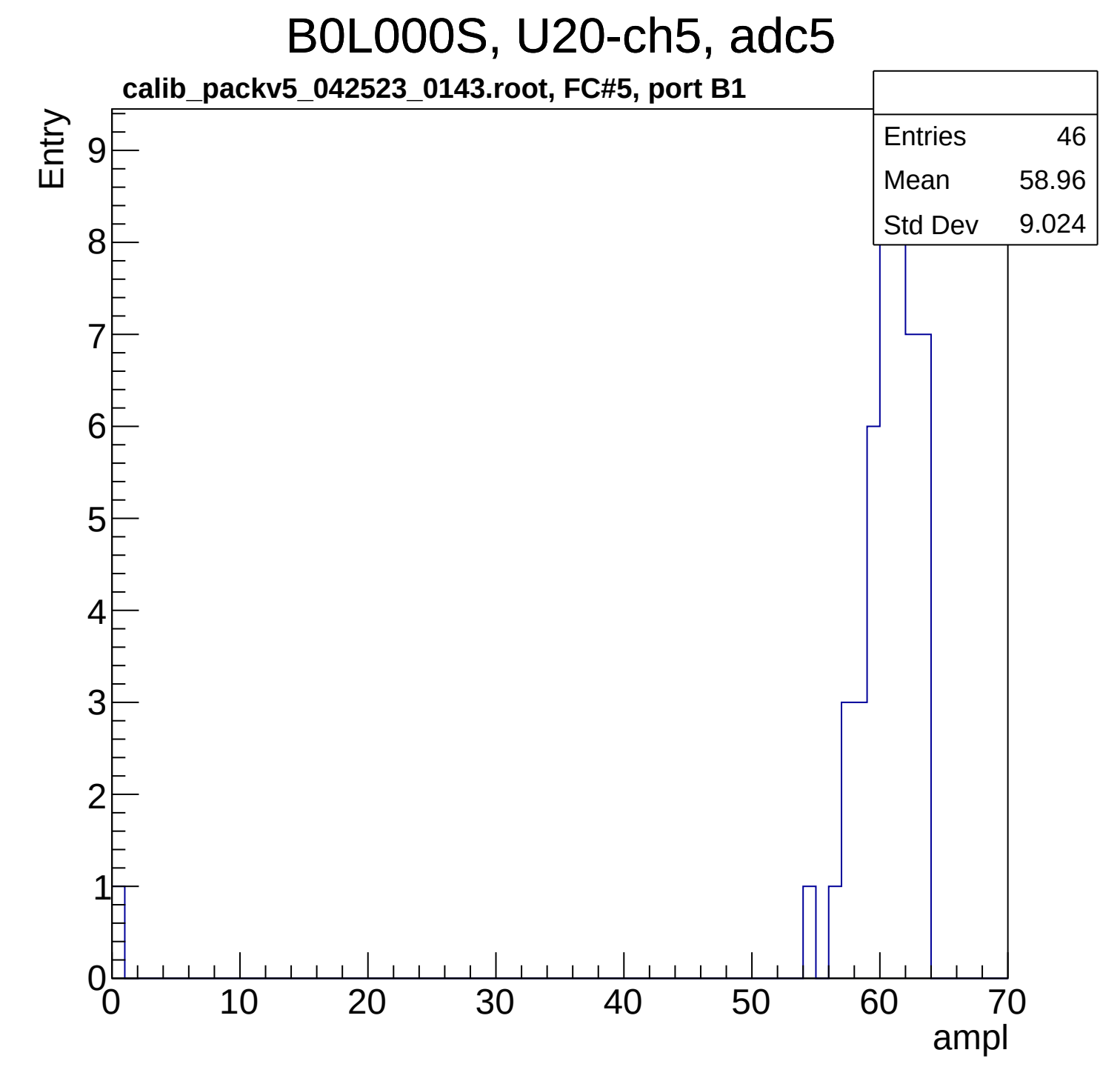
B0L000S, U20-ch5, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 58.96
Std Dev 9.024
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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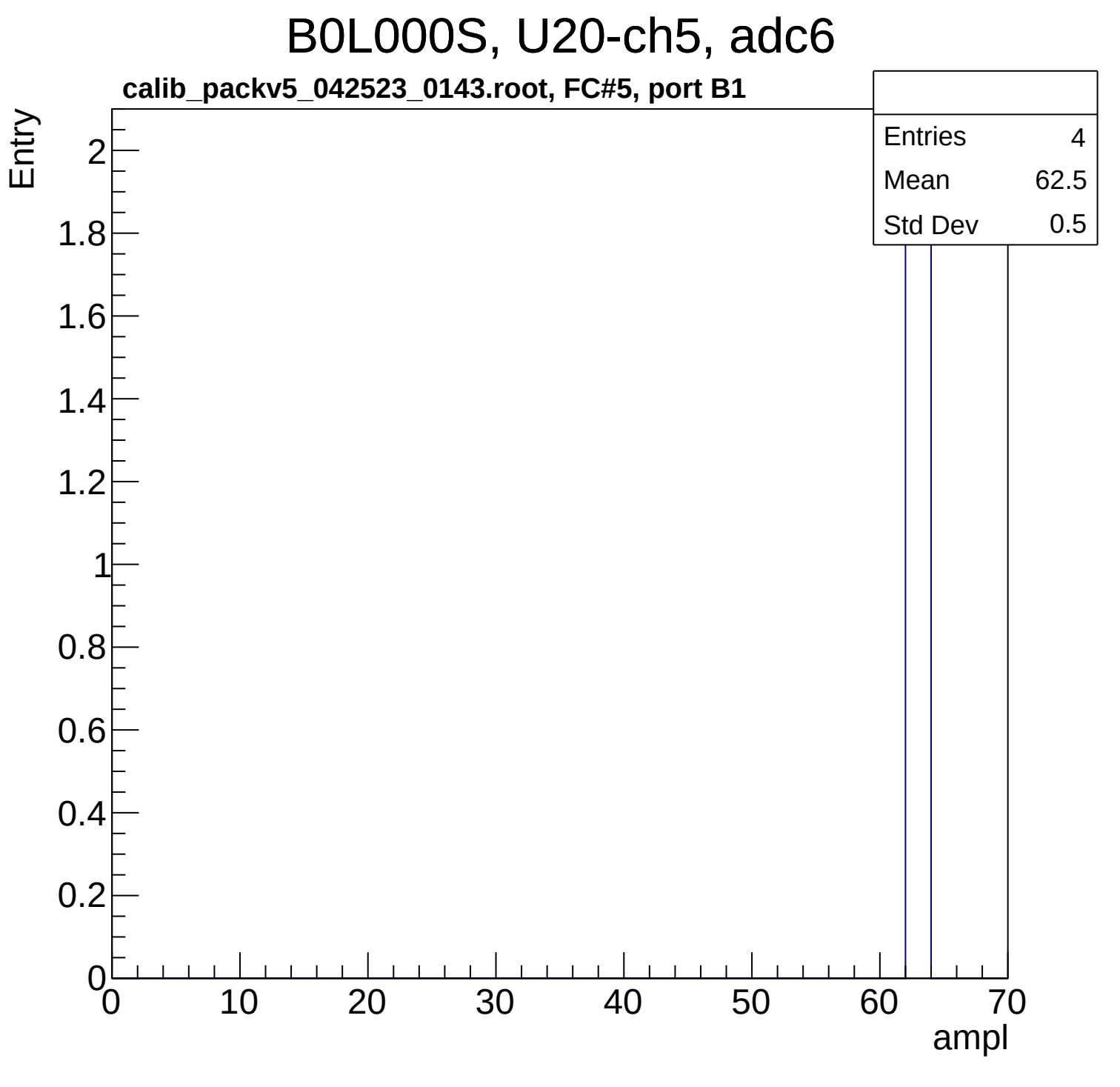
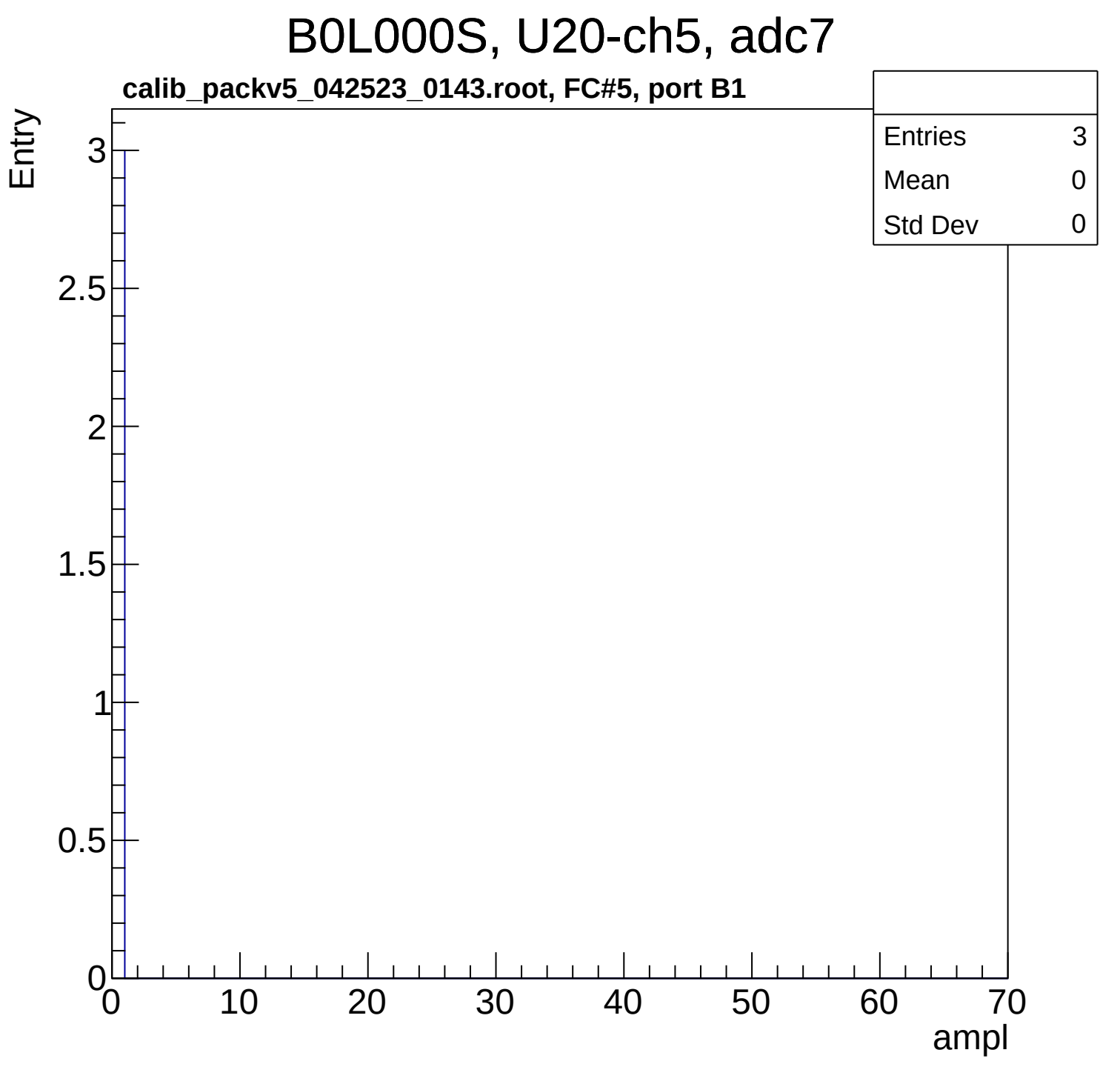

B0L000S, U20-ch5, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62.5
Std Dev 0.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch5, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
ampl
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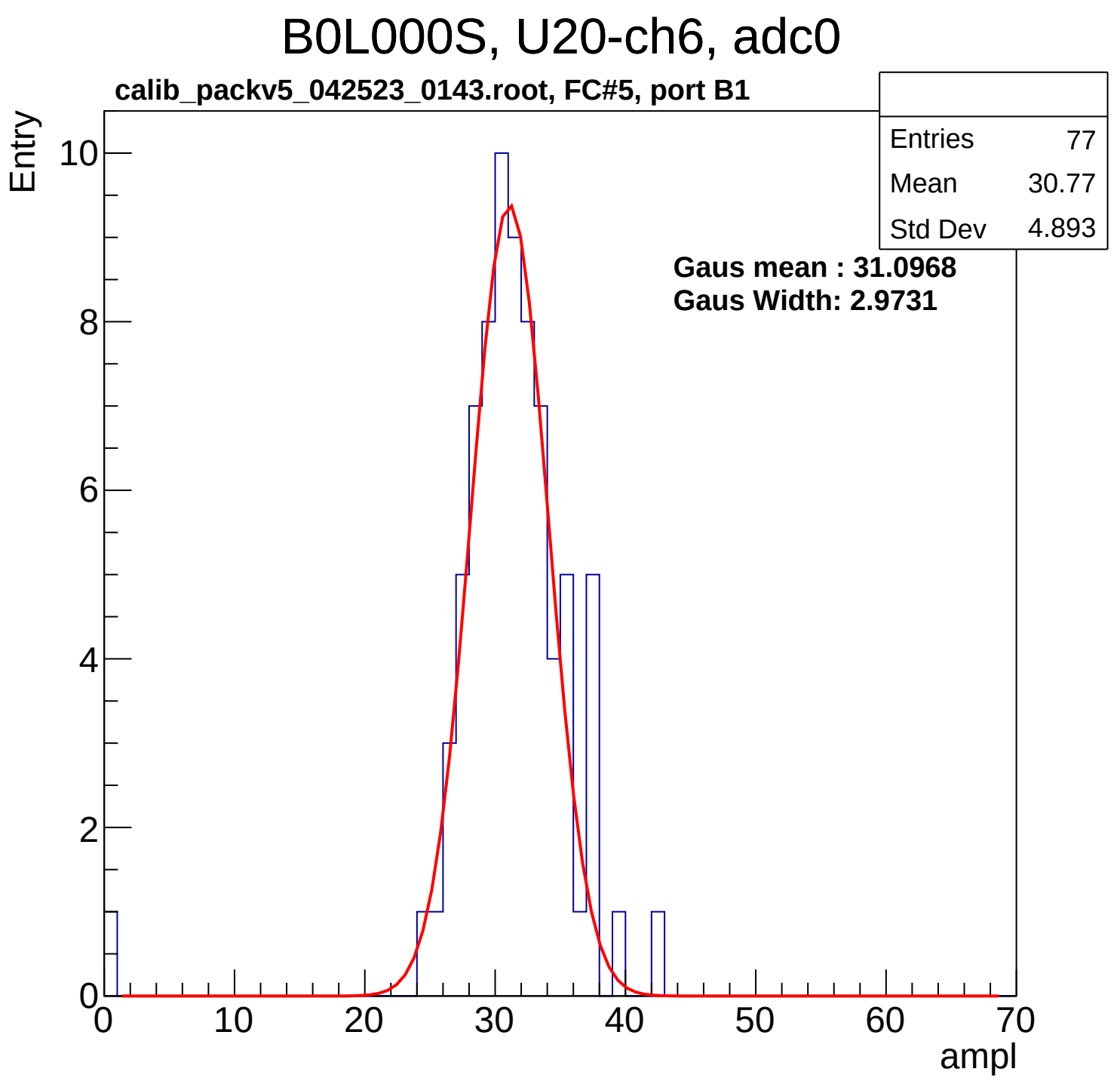
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch6, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 30.77
Std Dev 4.893
Gaus mean : 31.0968
Gaus Width: 2.9731
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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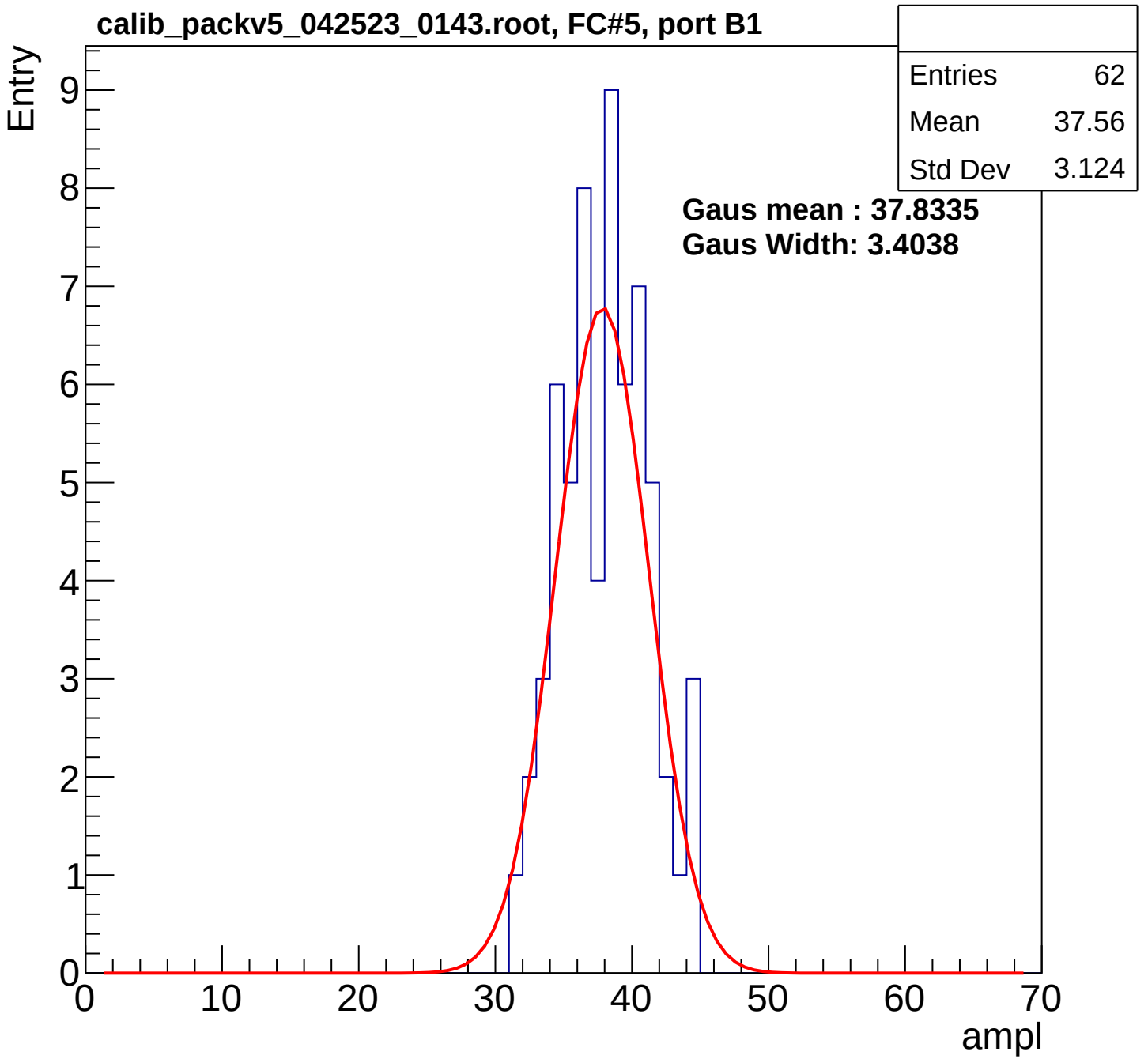
B0L000S, U20-ch6, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 37.56
Std Dev 3.124
Gaus mean : 37.8335
Gaus Width: 3.4038
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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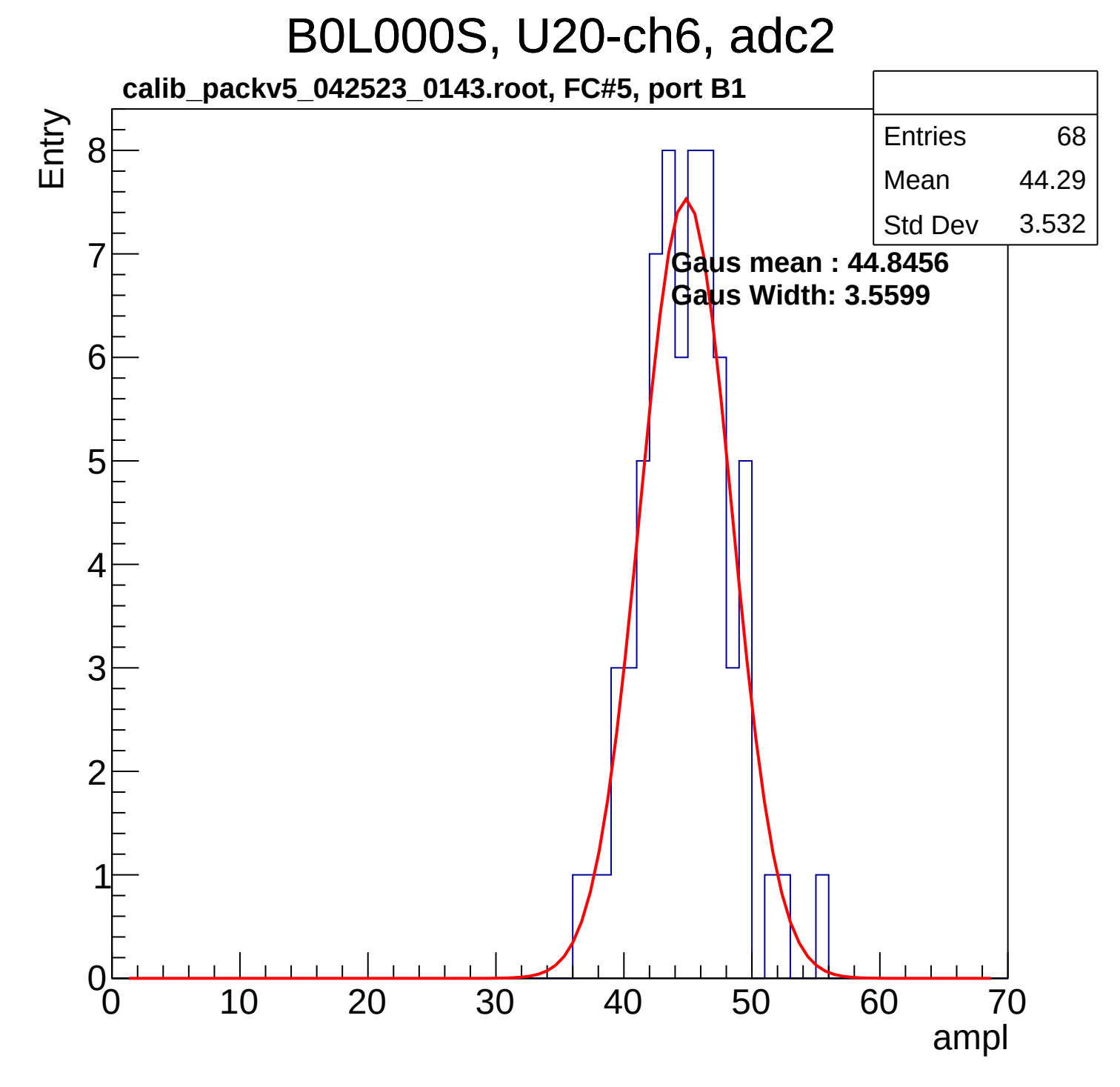
60
70


B0L000S, U20-ch6, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 44.29
Std Dev 3.532
Gaus mean : 44.8456
Gaus Width: 3.5599
Entry
ampl
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4
5
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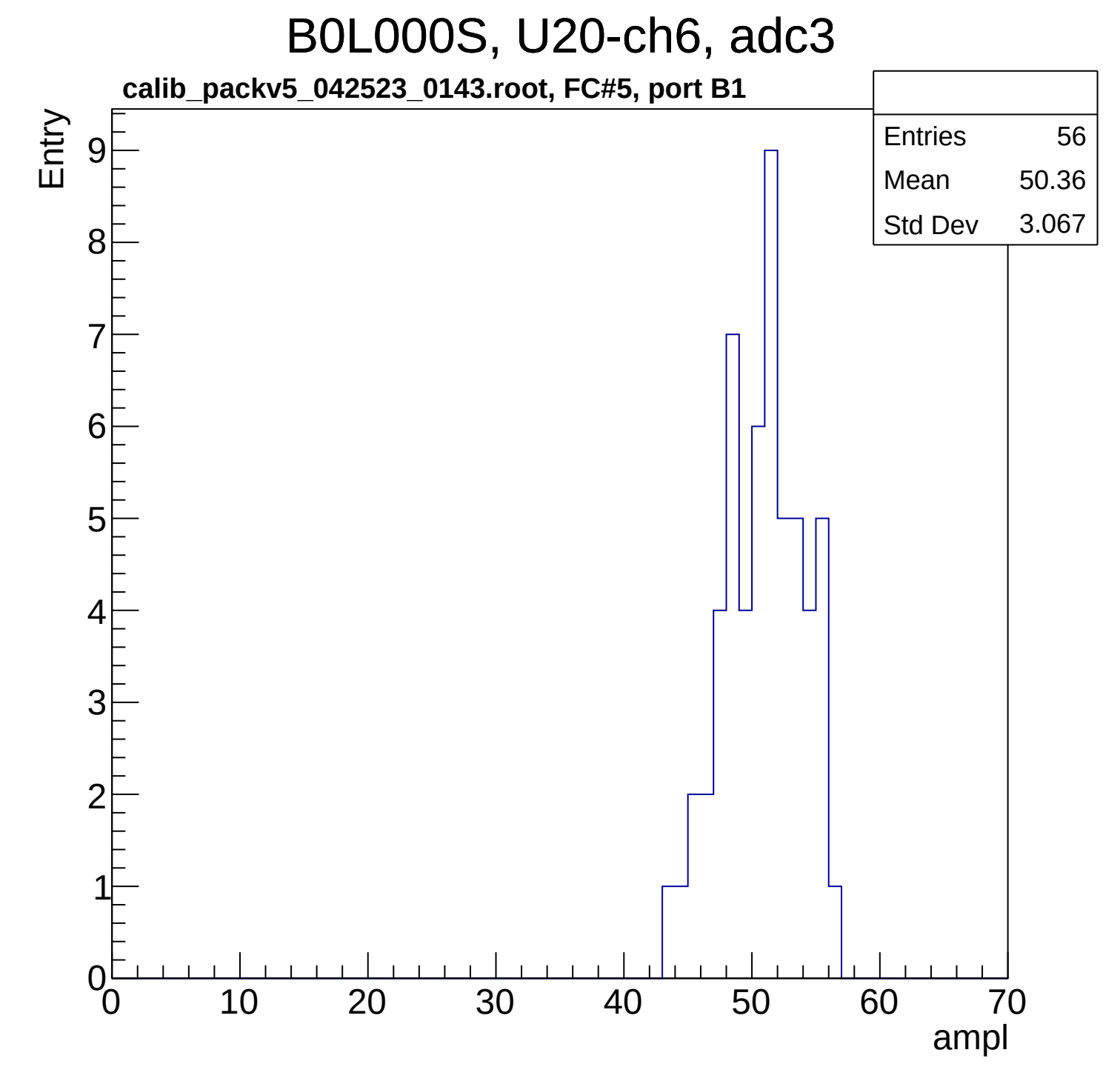
B0L000S, U20-ch6, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 50.36
Std Dev 3.067
Entry
ampl
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3
4
5
6
7
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0
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60
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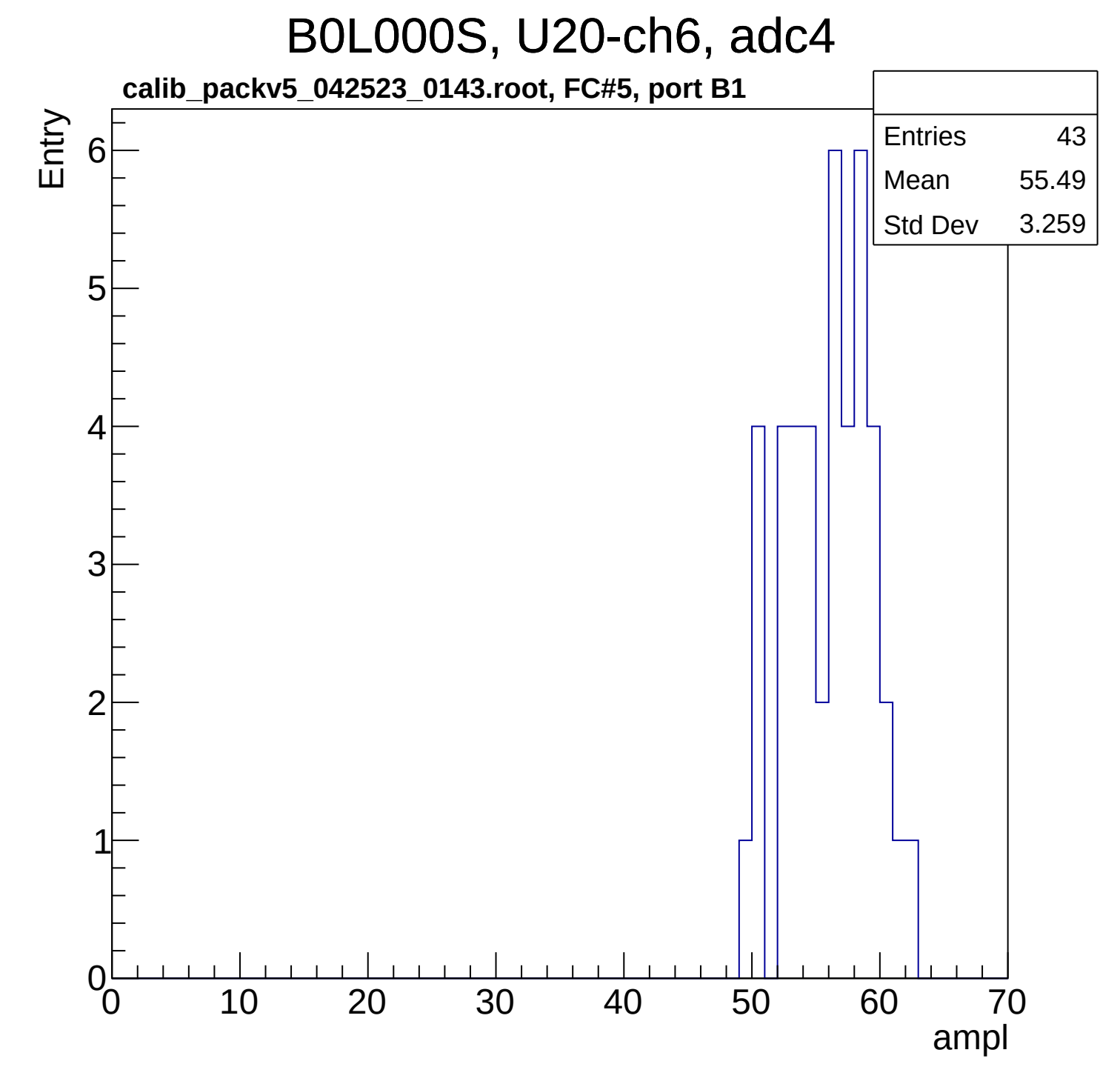
B0L000S, U20-ch6, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 55.49
Std Dev 3.259
Entry
ampl
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3
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60
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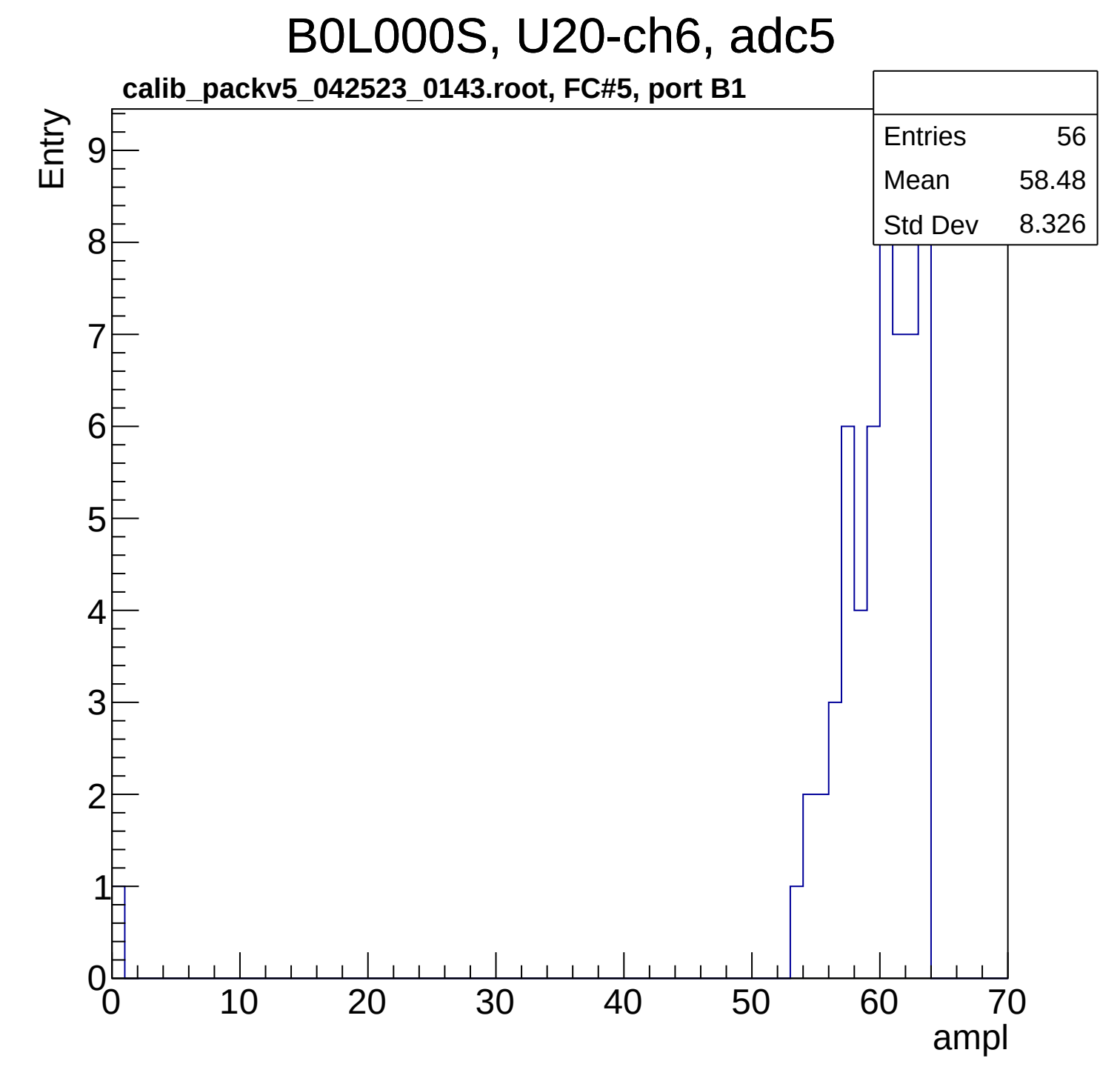
B0L000S, U20-ch6, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 58.48
Std Dev 8.326
Entry
ampl
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5
6
7
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60
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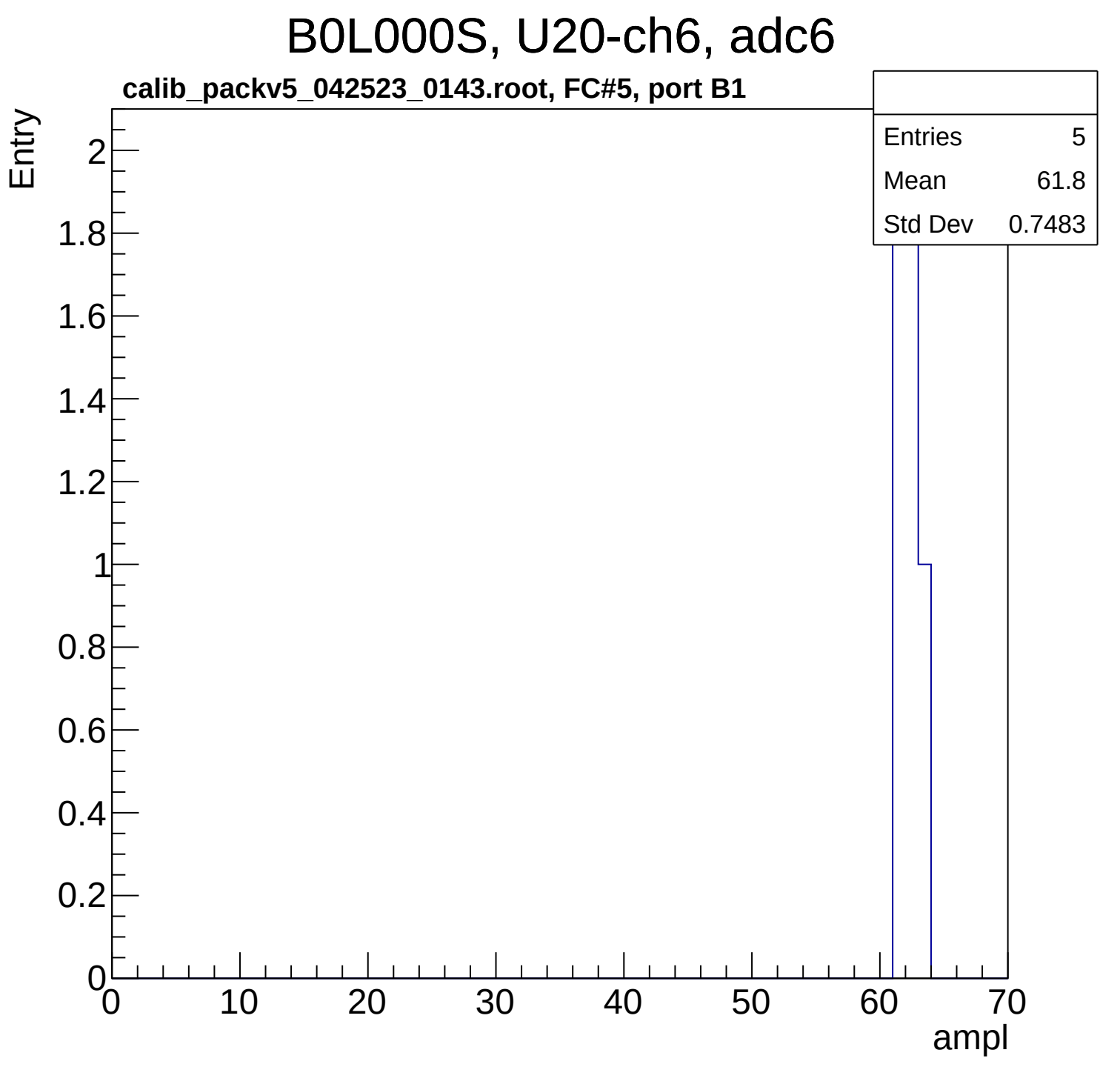
B0L000S, U20-ch6, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 61.8
Std Dev 0.7483
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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40
50
60
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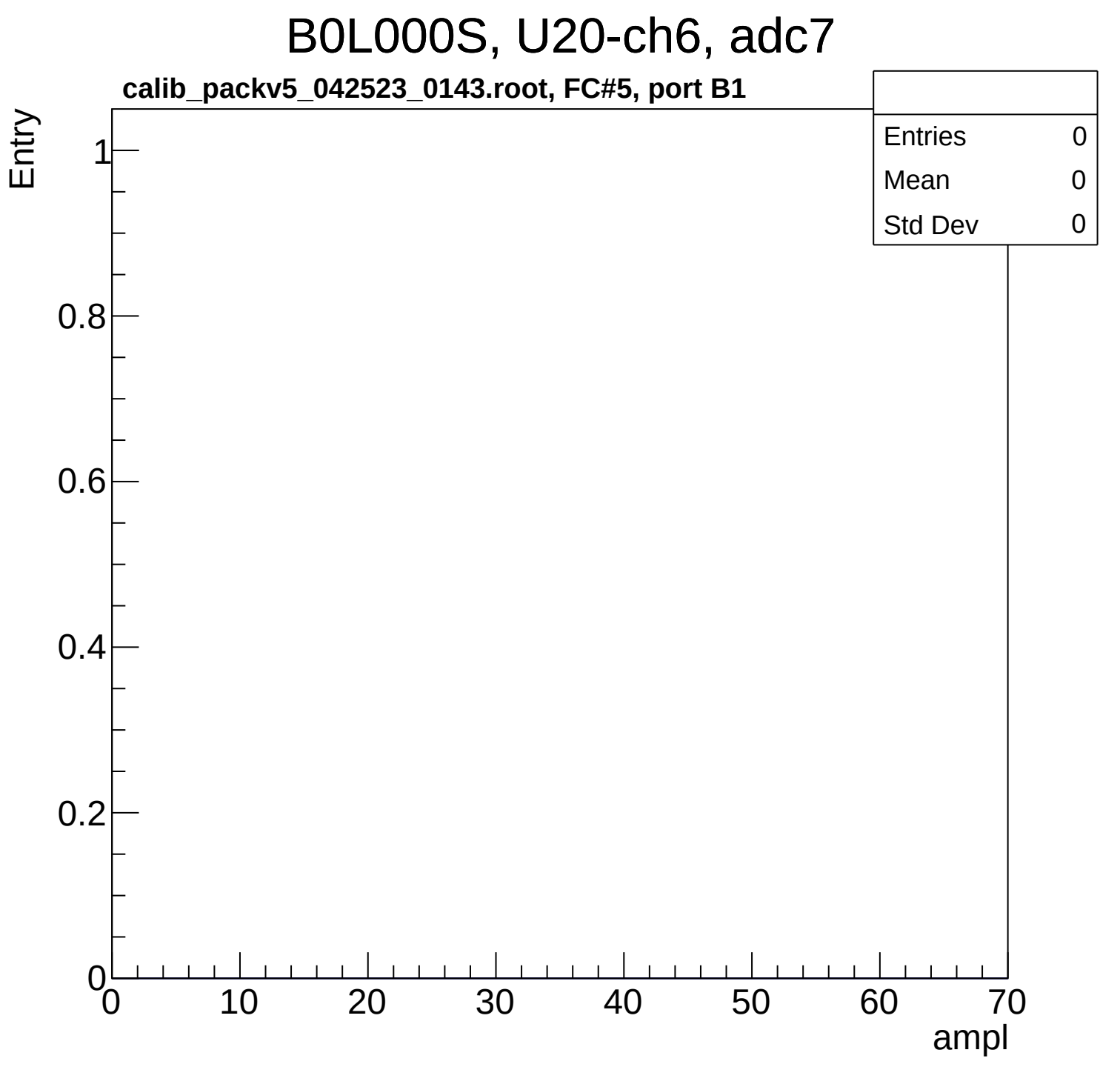
B0L000S, U20-ch6, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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10
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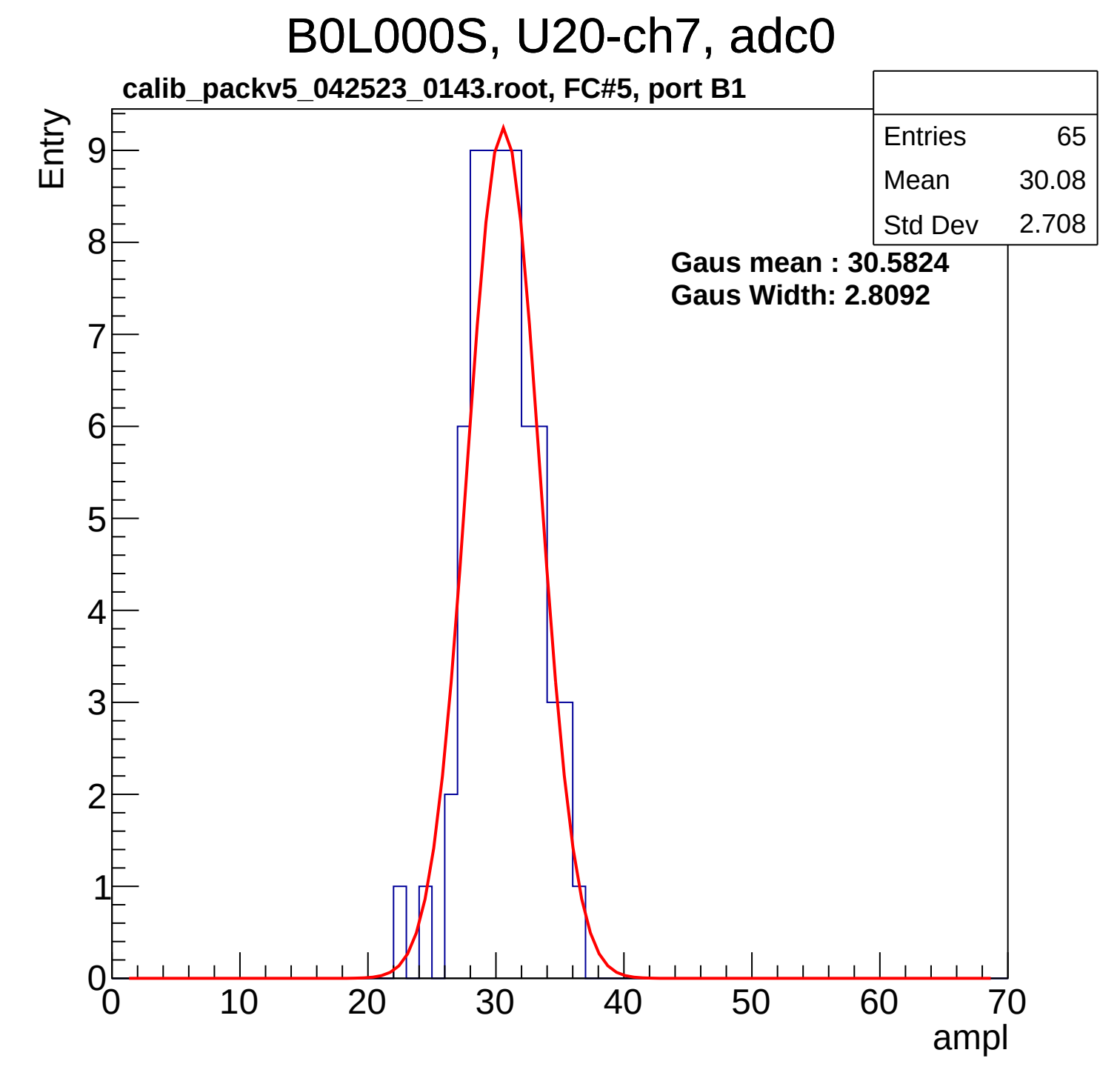
50
60
70
ampl


B0L000S, U20-ch7, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 30.08
Std Dev 2.708
Gaus mean : 30.5824
Gaus Width: 2.8092
Entry
ampl
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3
4
5
6
7
8
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0
10
20
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40
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60
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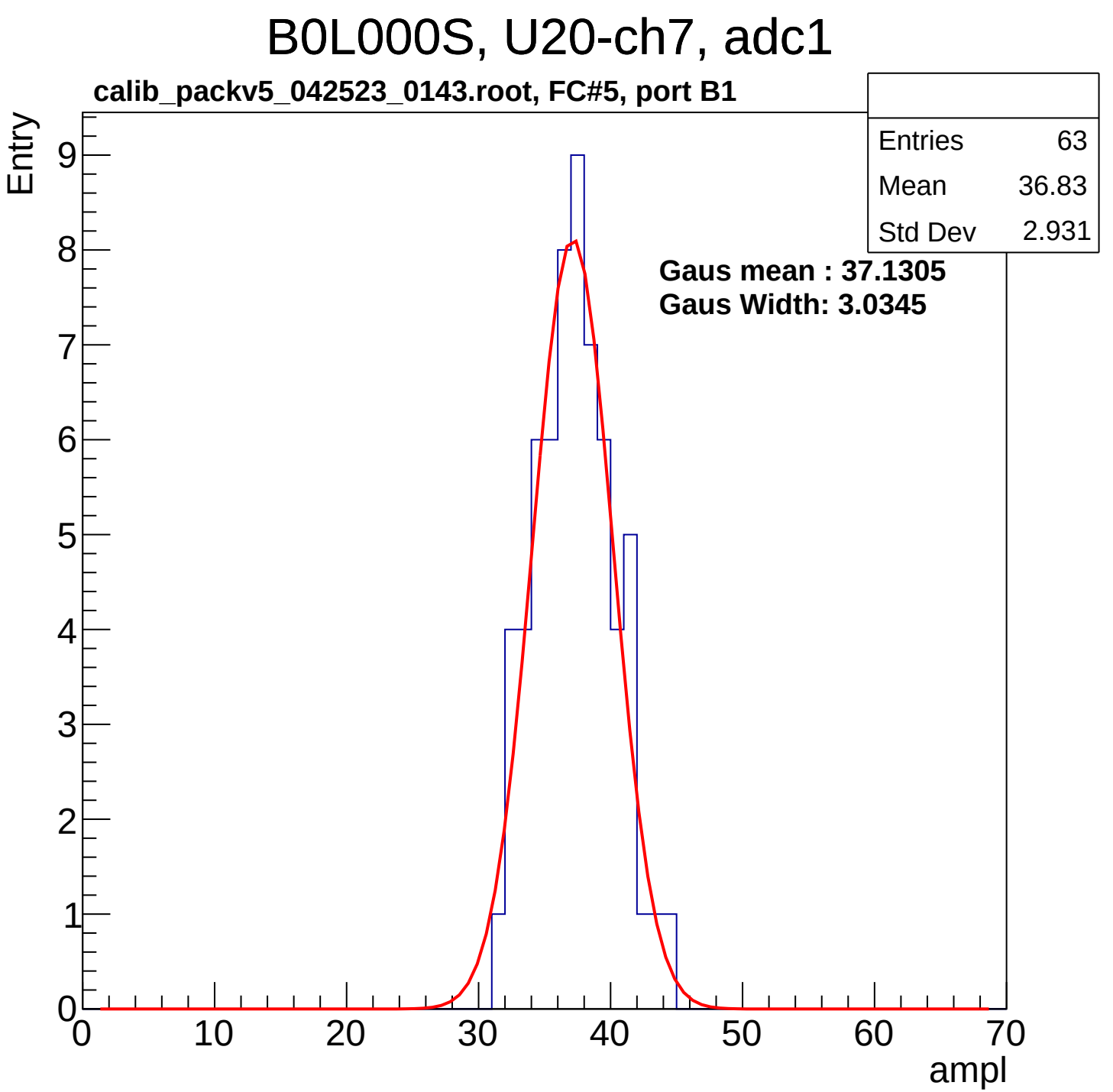
B0L000S, U20-ch7, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 36.83
Std Dev 2.931
Gaus mean : 37.1305
Gaus Width: 3.0345
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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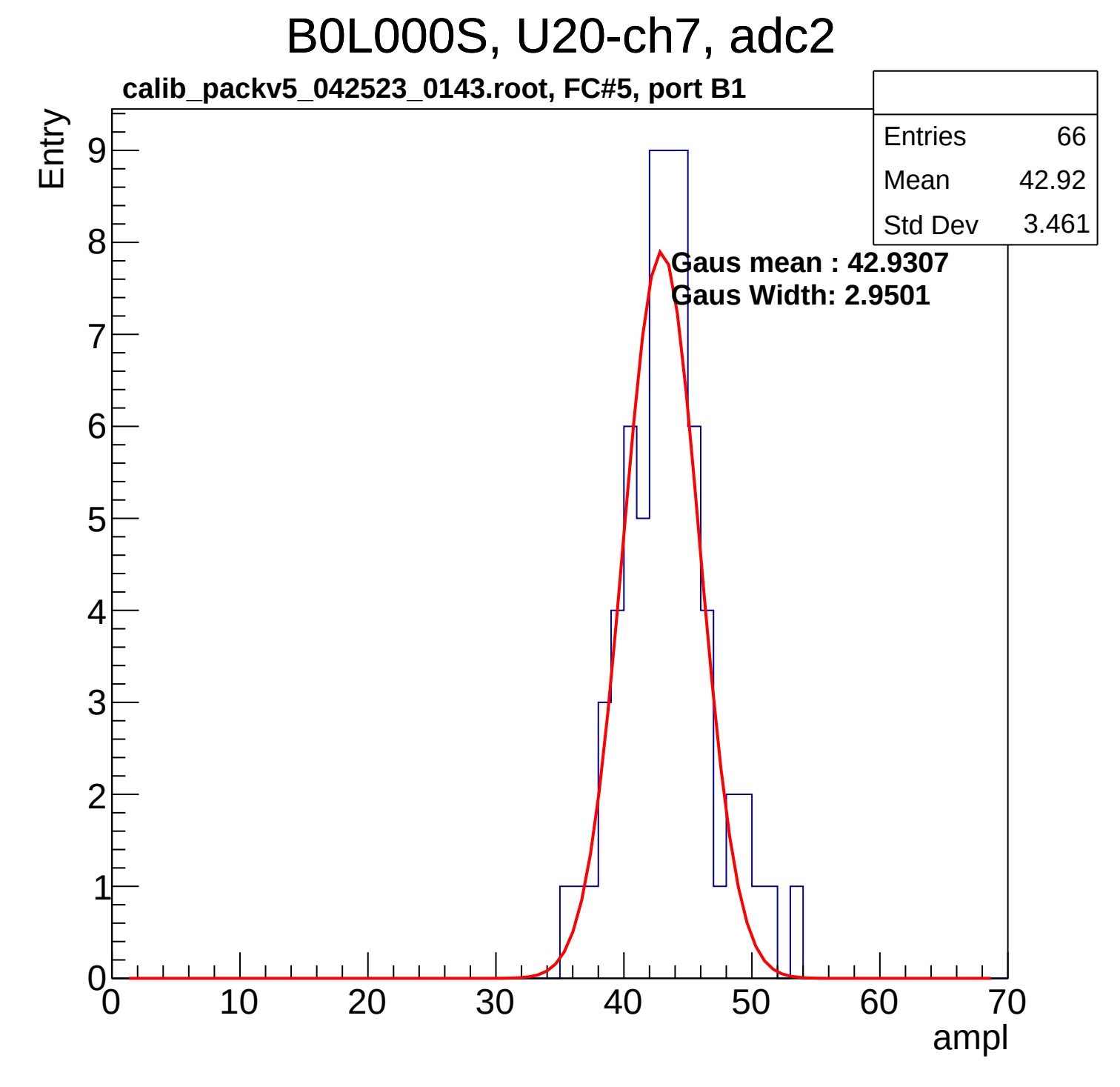
B0L000S, U20-ch7, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 42.92
Std Dev 3.461
Gaus mean : 42.9307
Gaus Width: 2.9501
Entry
ampl
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2
3
4
5
6
7
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0
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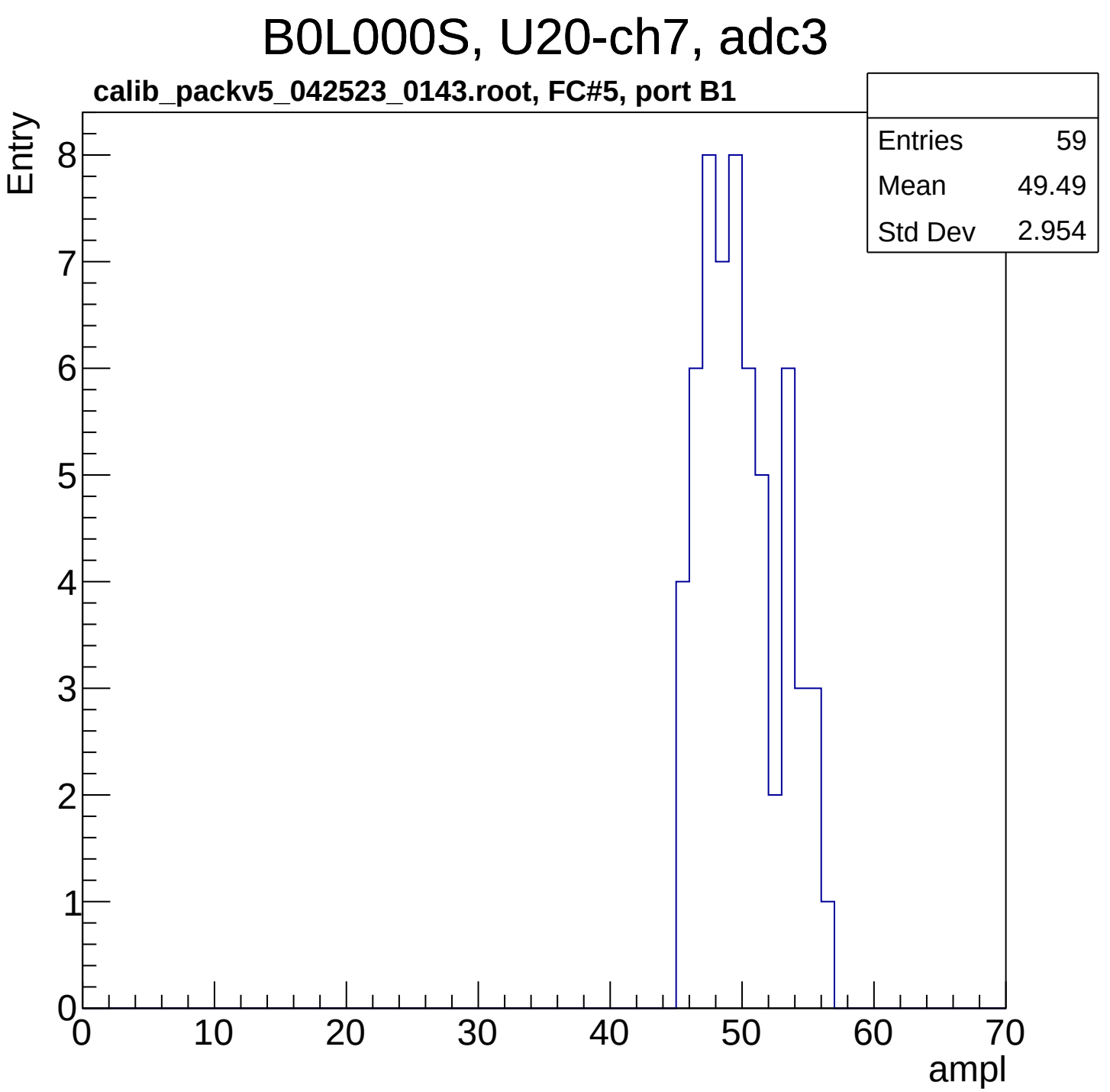
B0L000S, U20-ch7, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 49.49
Std Dev 2.954
Entry
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2
3
4
5
6
7
8
0
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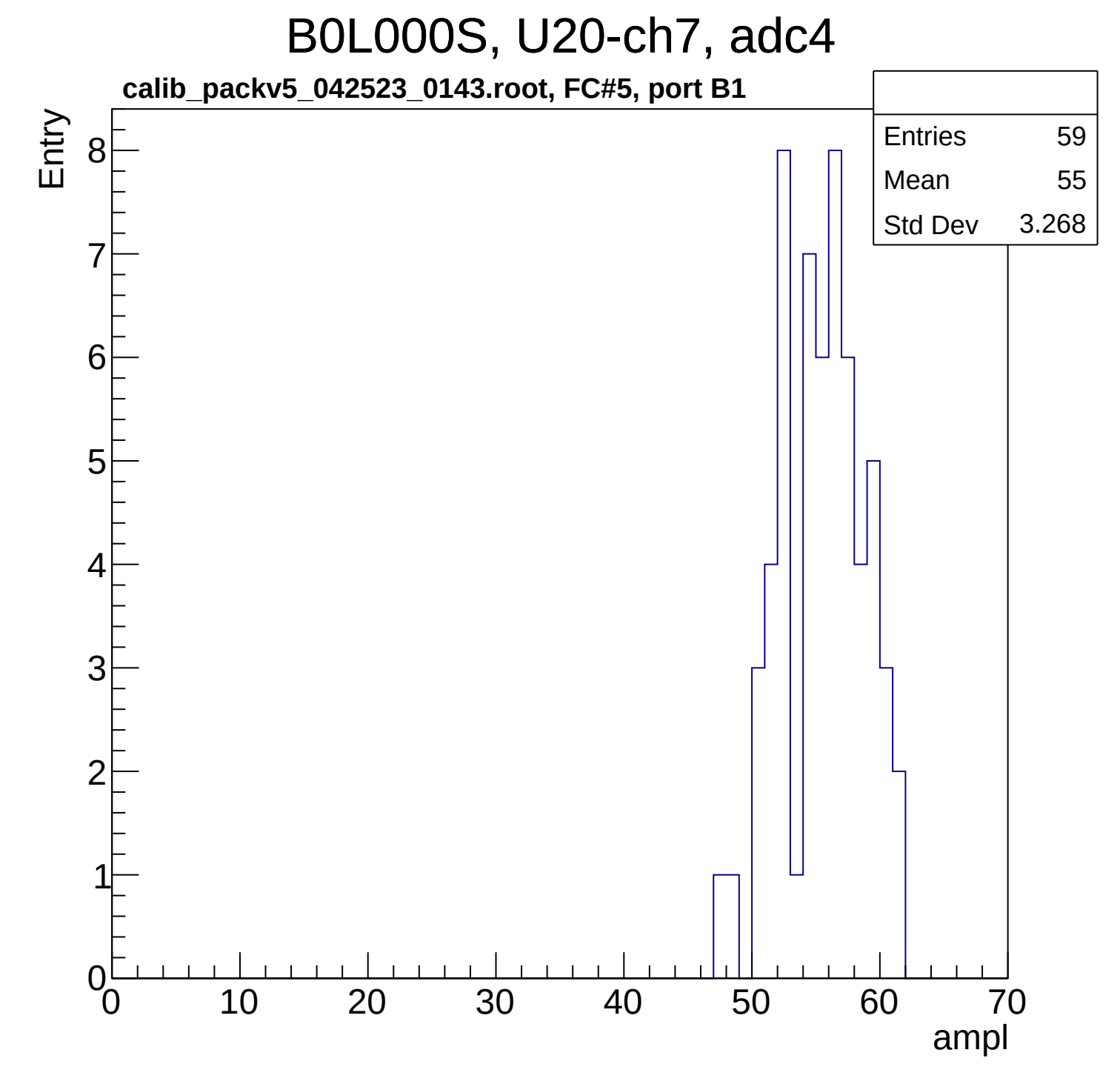
20
30
40
50
60
70
ampl


B0L000S, U20-ch7, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 55
Std Dev 3.268
Entry
ampl
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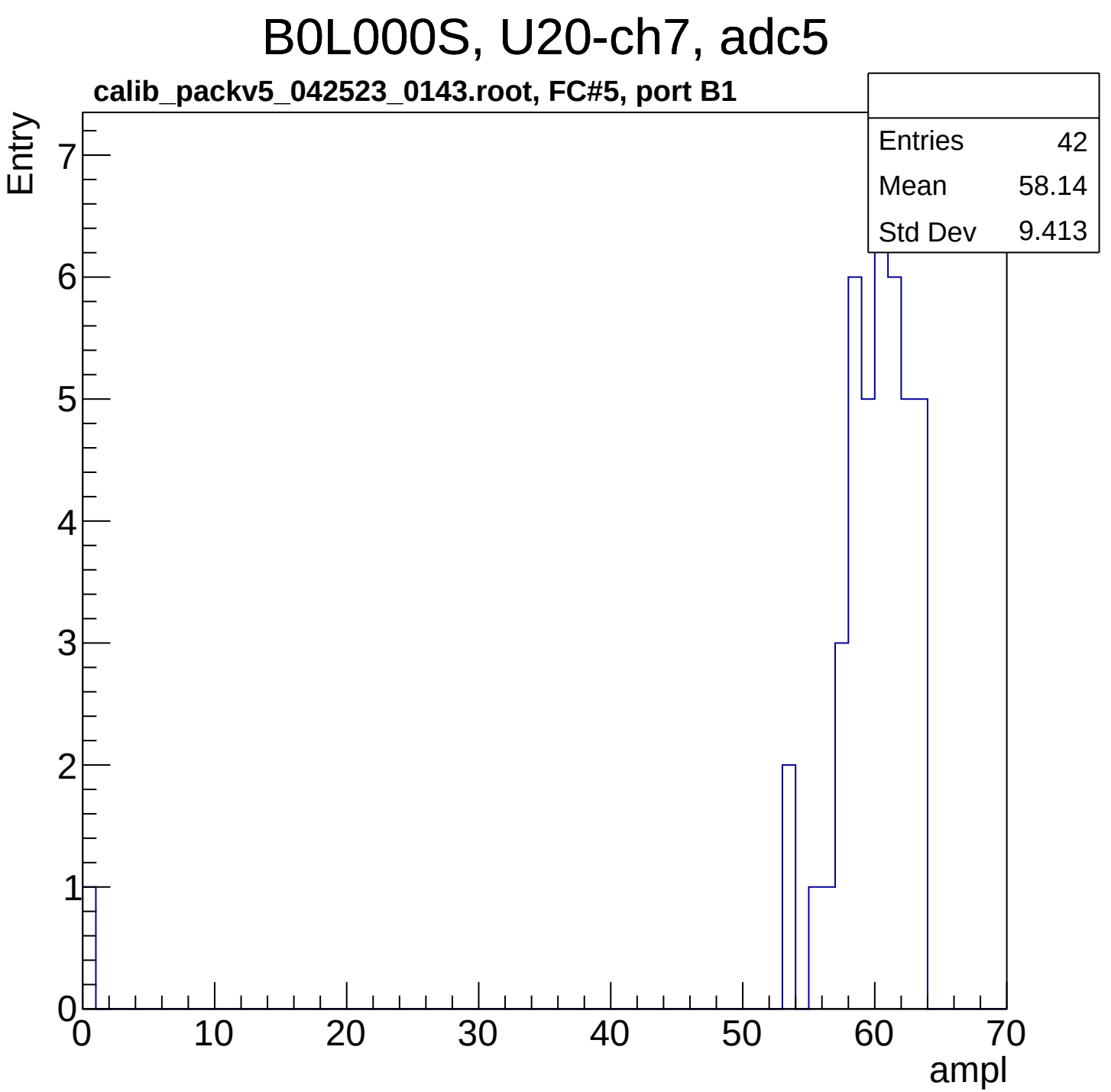
B0L000S, U20-ch7, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 58.14
Std Dev 9.413
Entry
ampl
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1
2
3
4
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0
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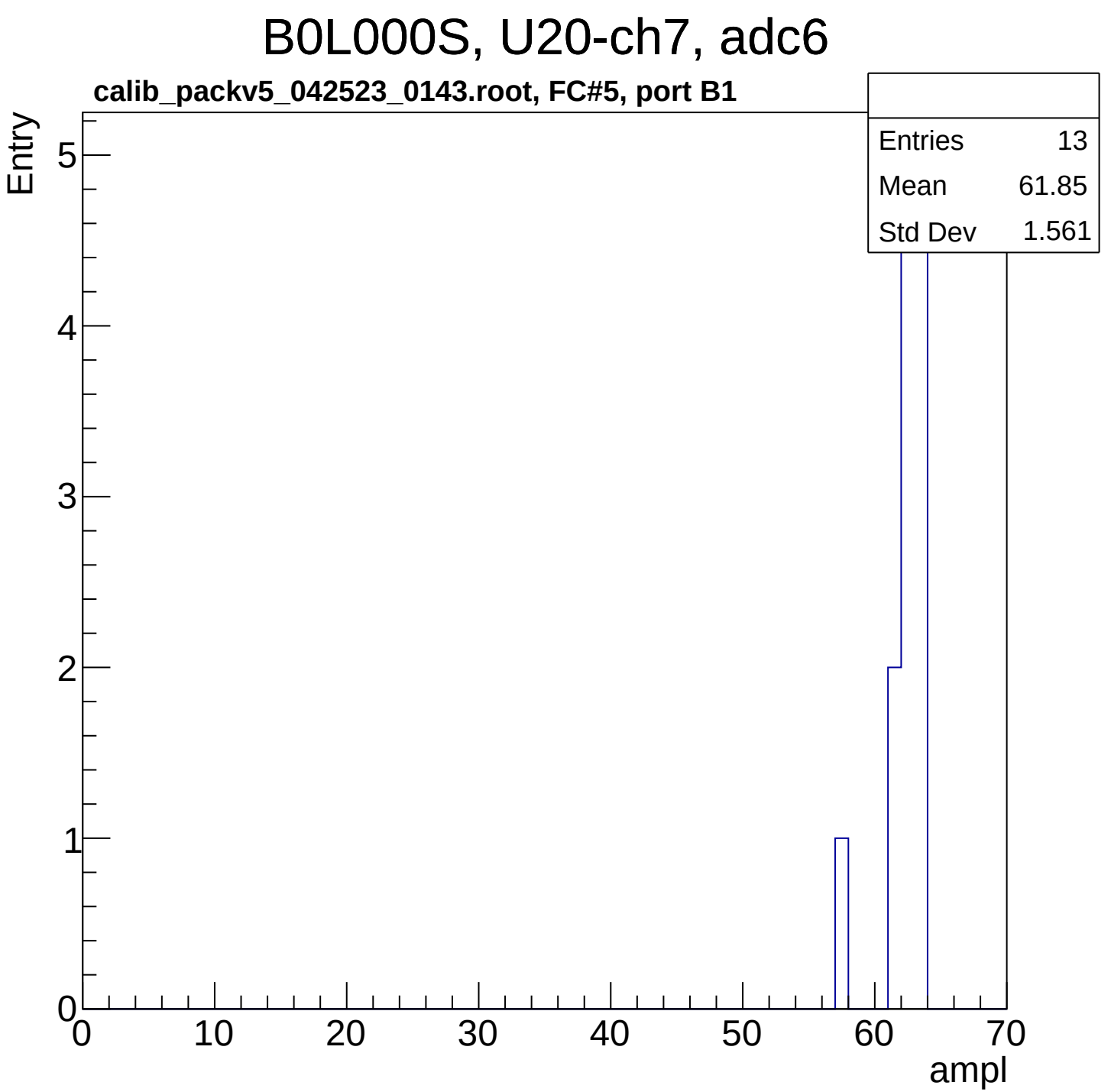
B0L000S, U20-ch7, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 61.85
Std Dev 1.561
Entry
ampl
0
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3
4
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0
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40
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60
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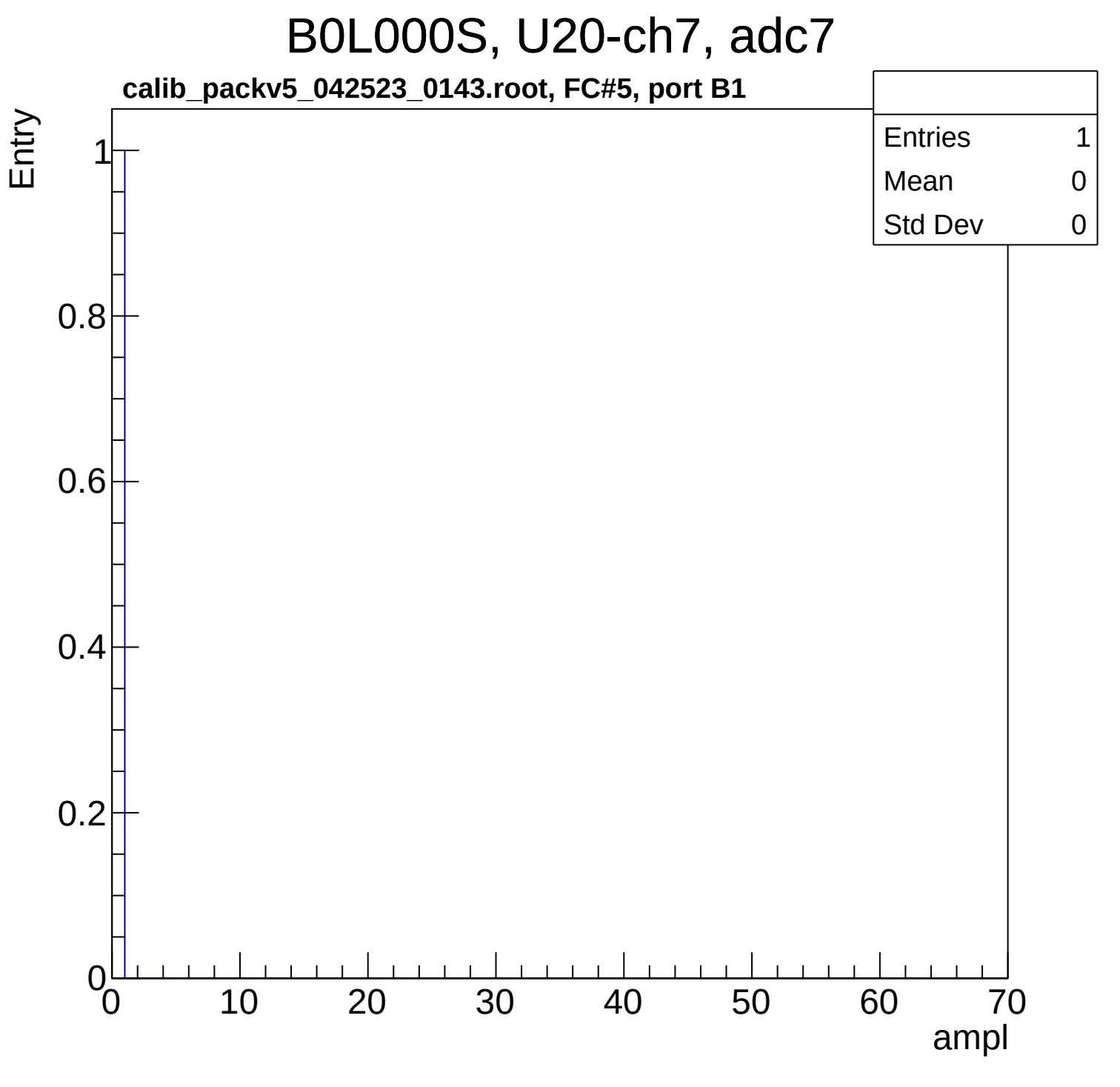
B0L000S, U20-ch7, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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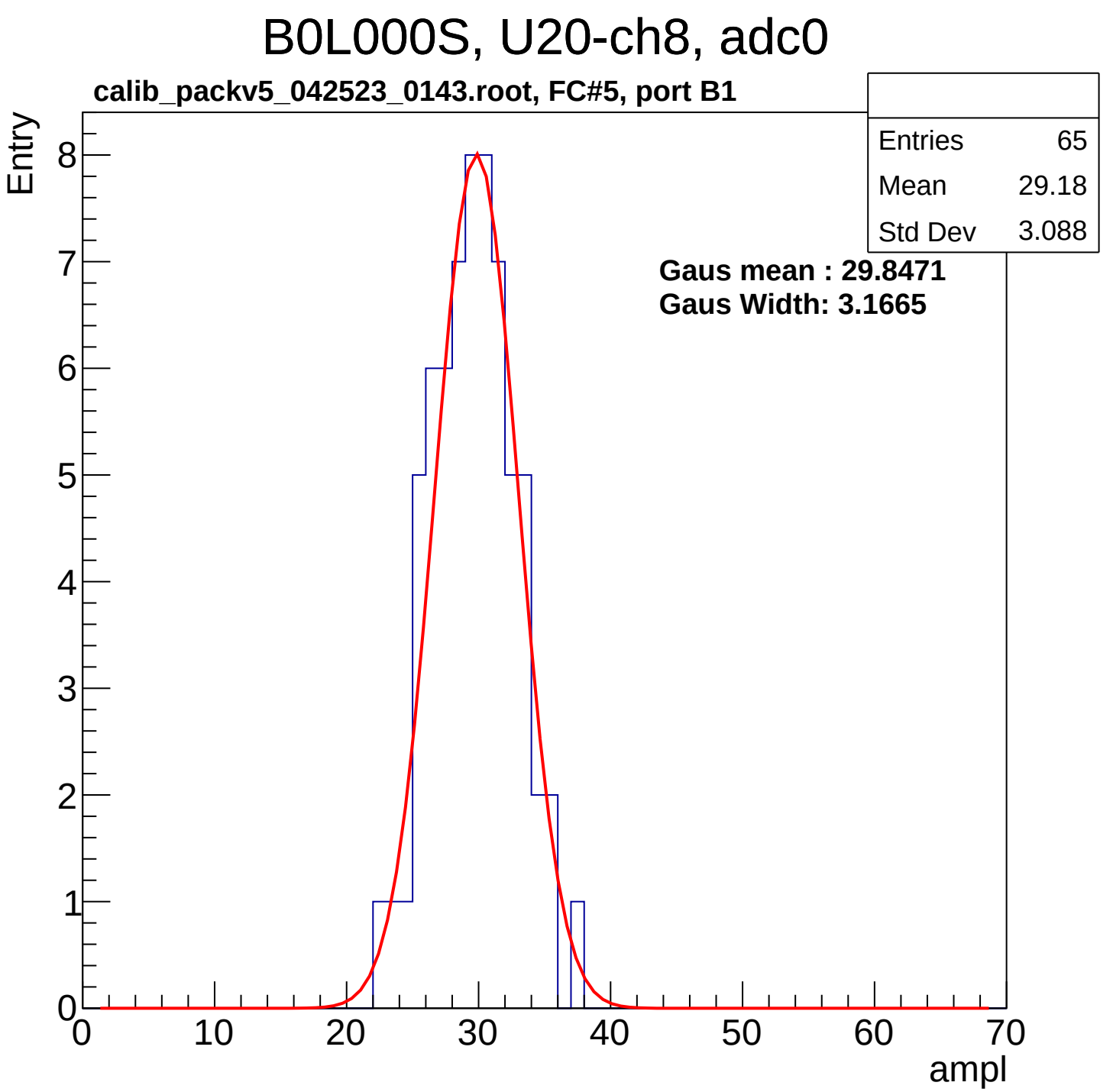
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch8, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 29.18
Std Dev 3.088
Gaus mean : 29.8471
Gaus Width: 3.1665
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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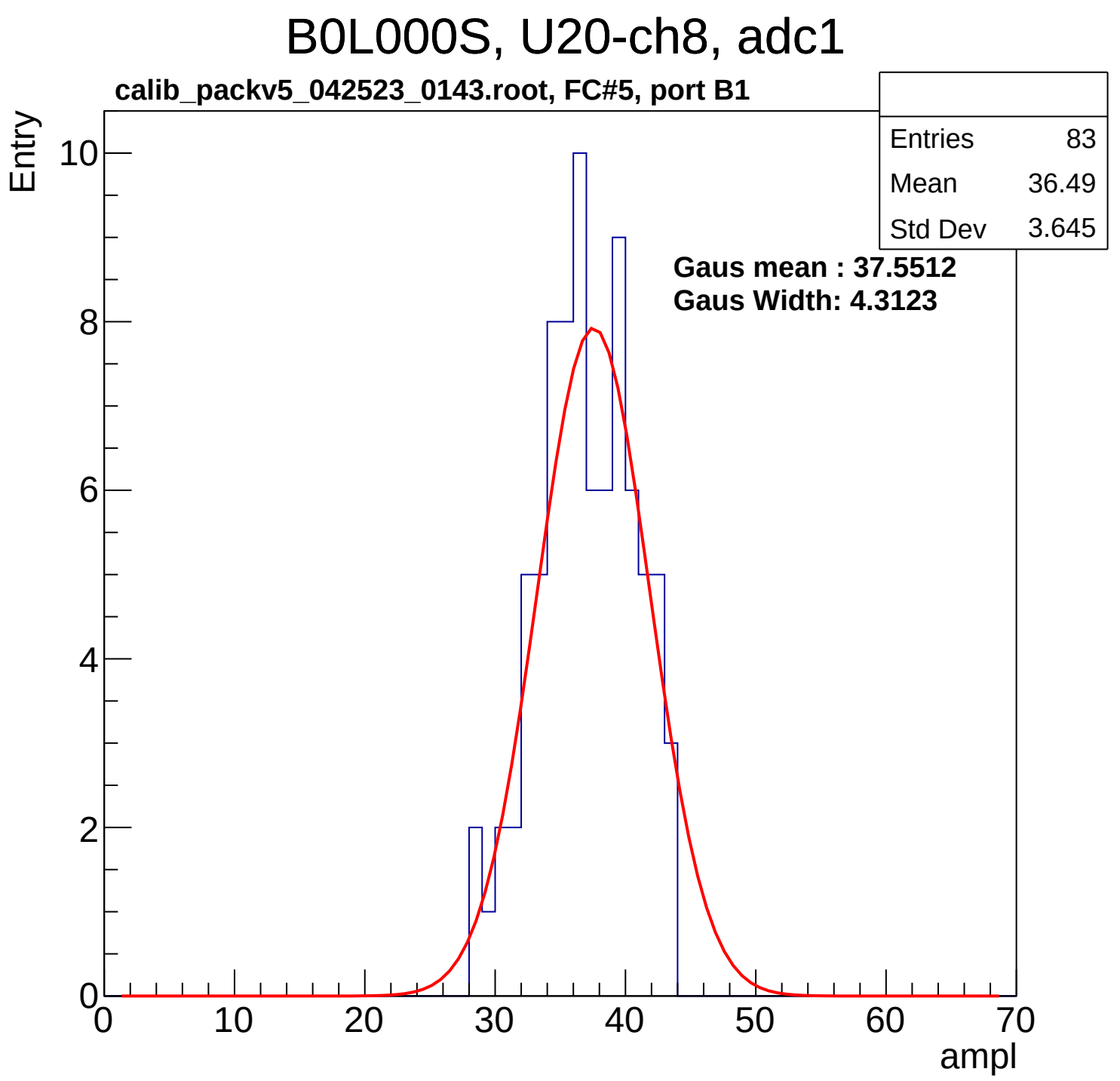
B0L000S, U20-ch8, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 83
Mean 36.49
Std Dev 3.645
Gaus mean : 37.5512
Gaus Width: 4.3123
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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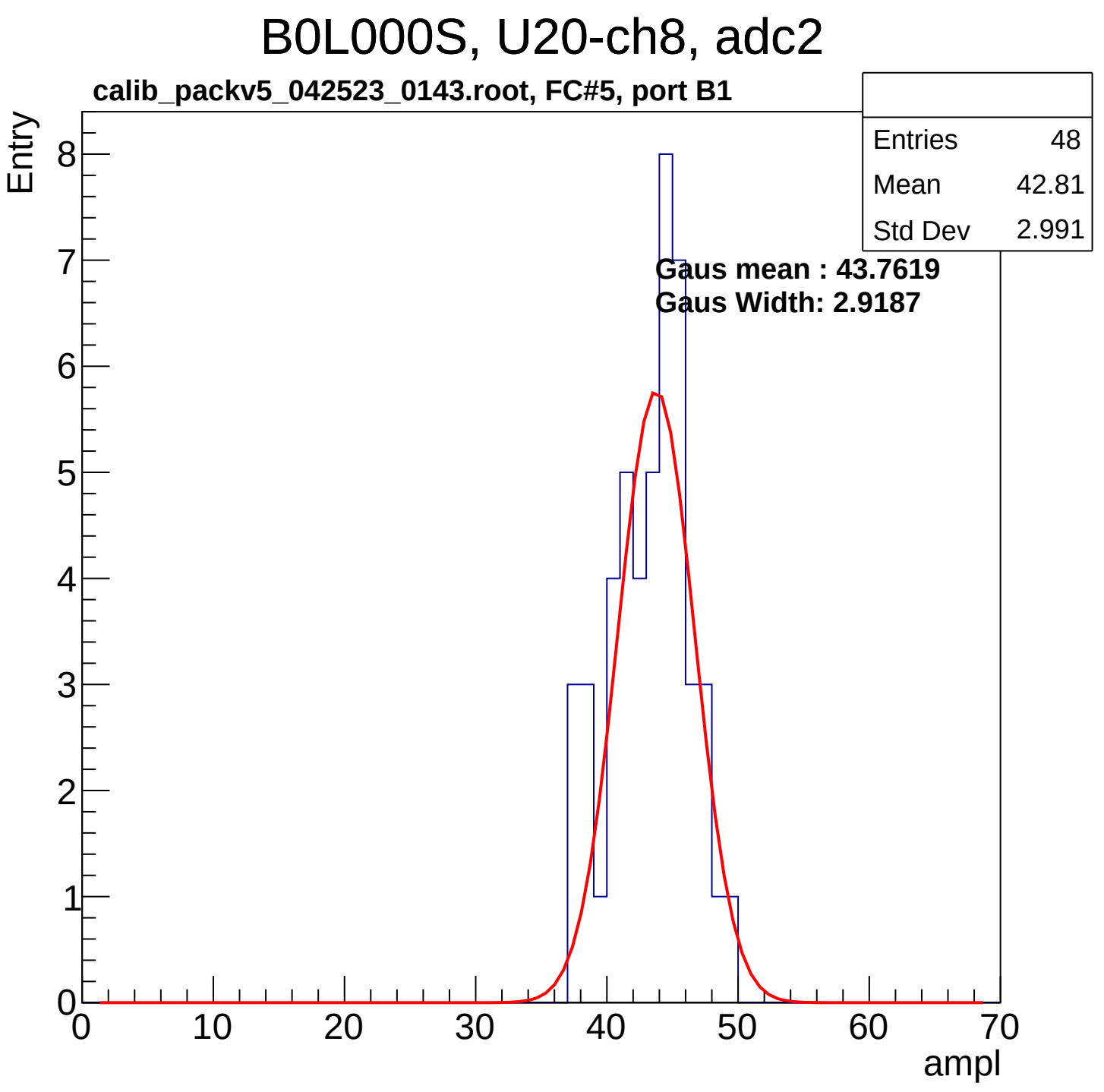
B0L000S, U20-ch8, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 42.81
Std Dev 2.991
Gaus mean : 43.7619
Gaus Width: 2.9187
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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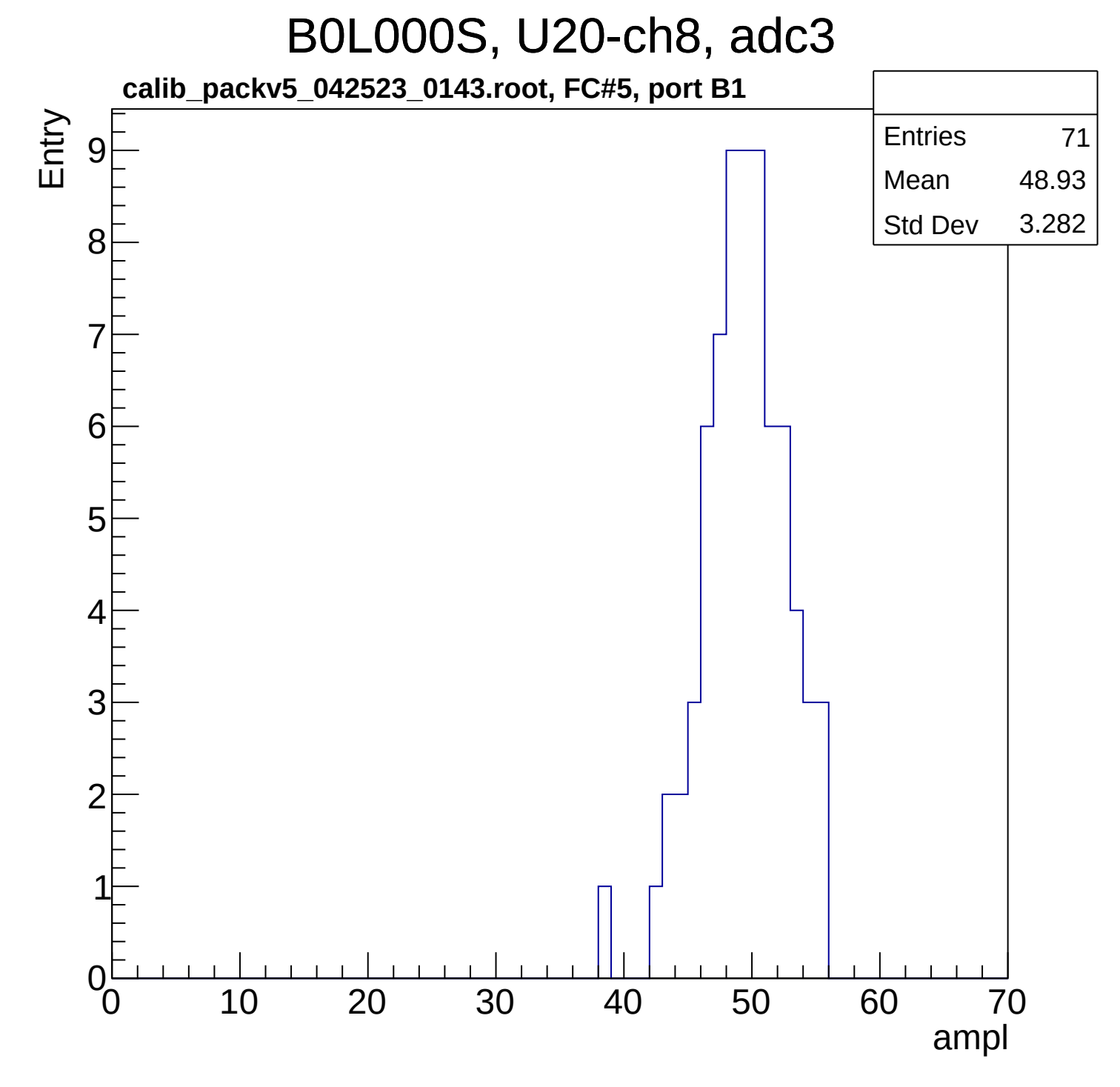
B0L000S, U20-ch8, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 48.93
Std Dev 3.282
Entry
ampl
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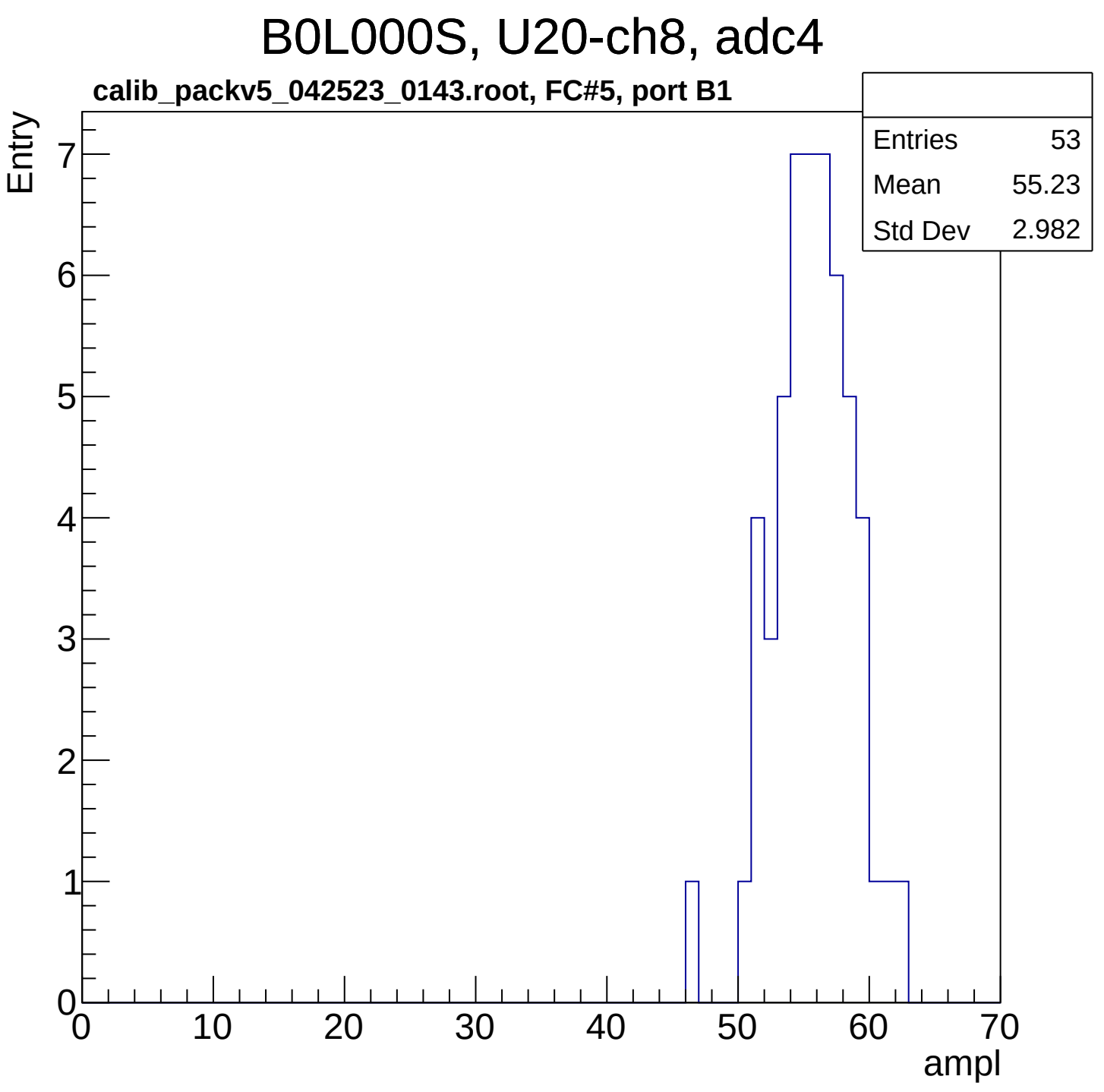
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch8, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 55.23
Std Dev 2.982
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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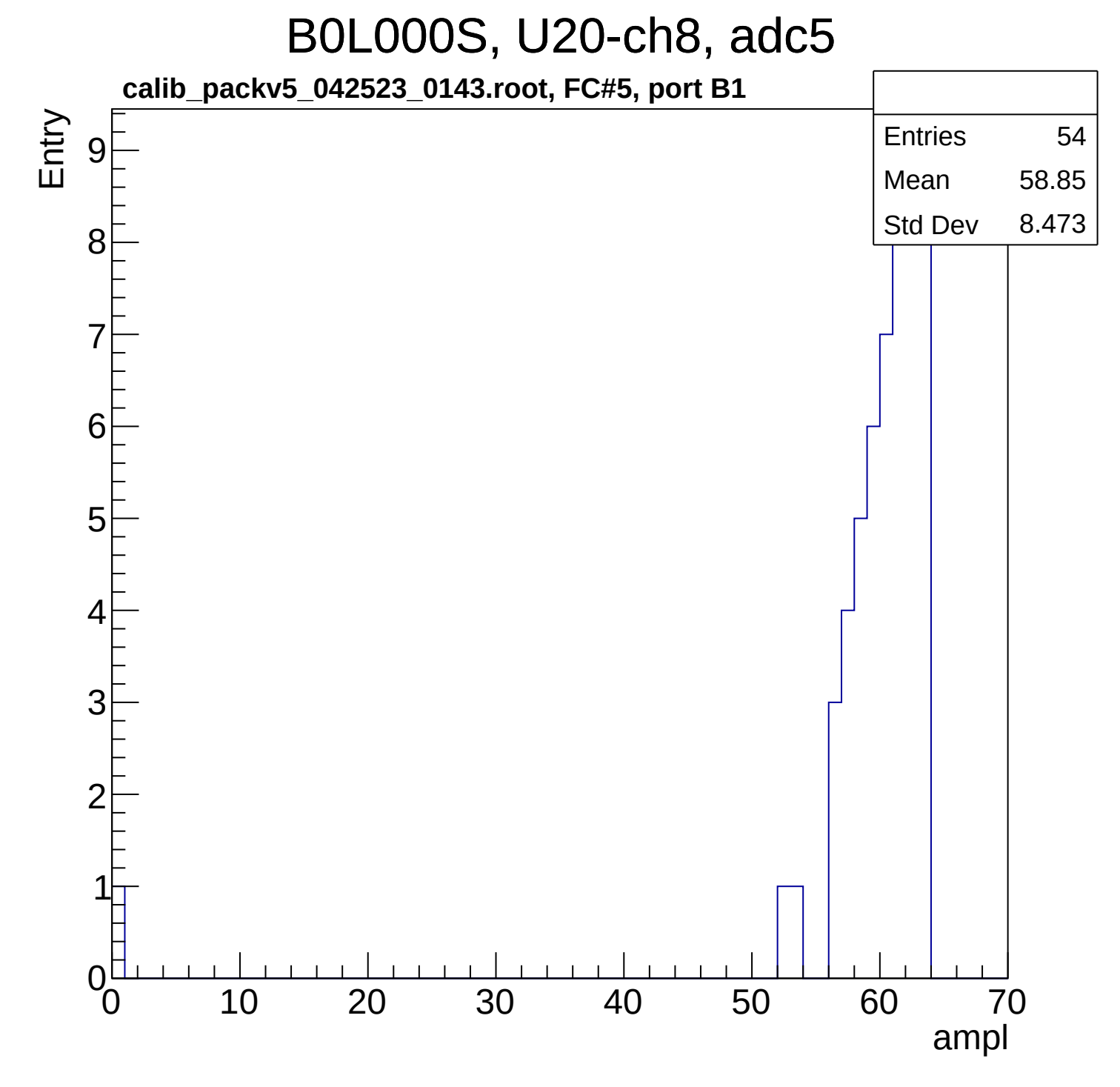
B0L000S, U20-ch8, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 58.85
Std Dev 8.473
Entry
ampl
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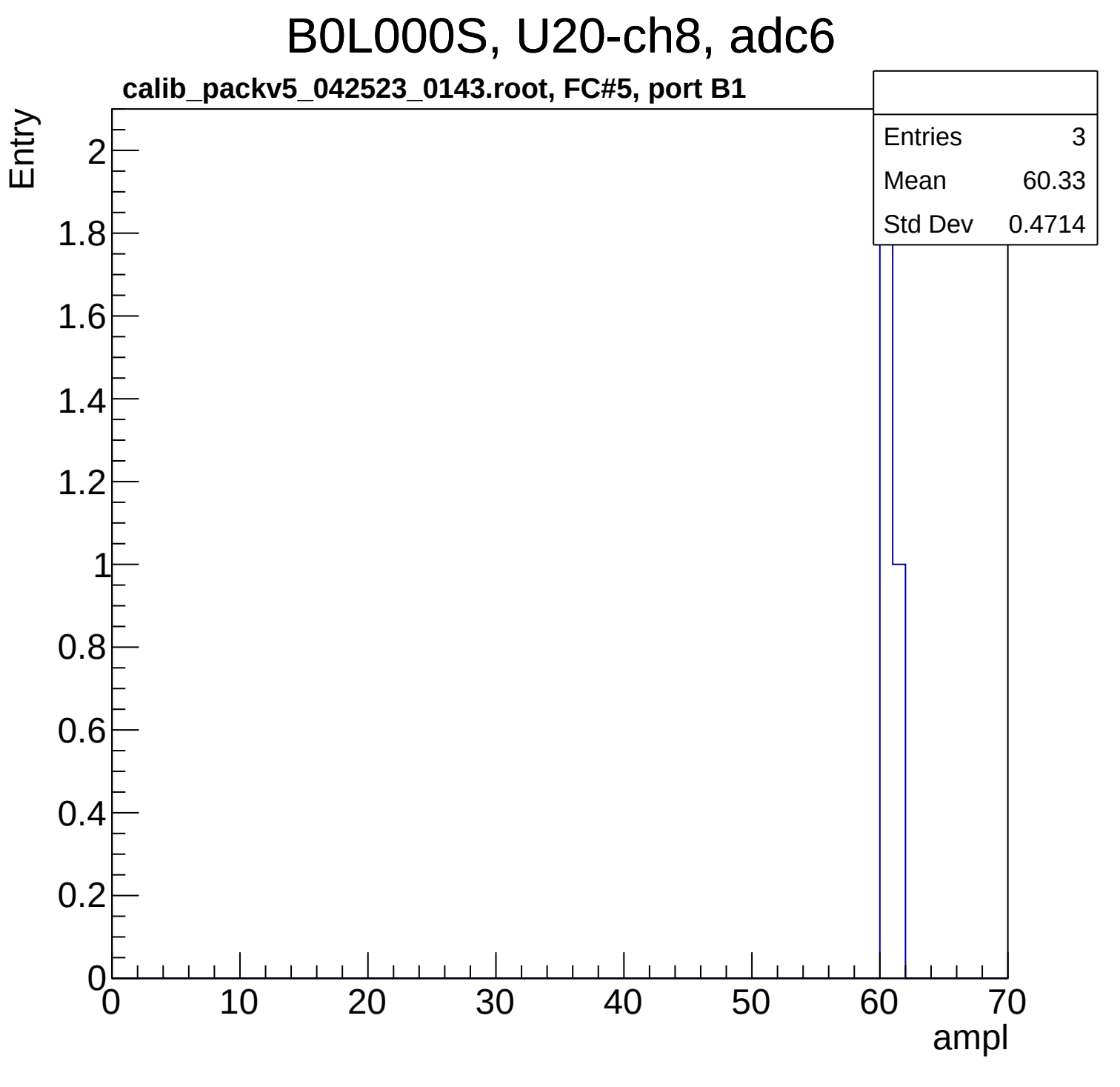
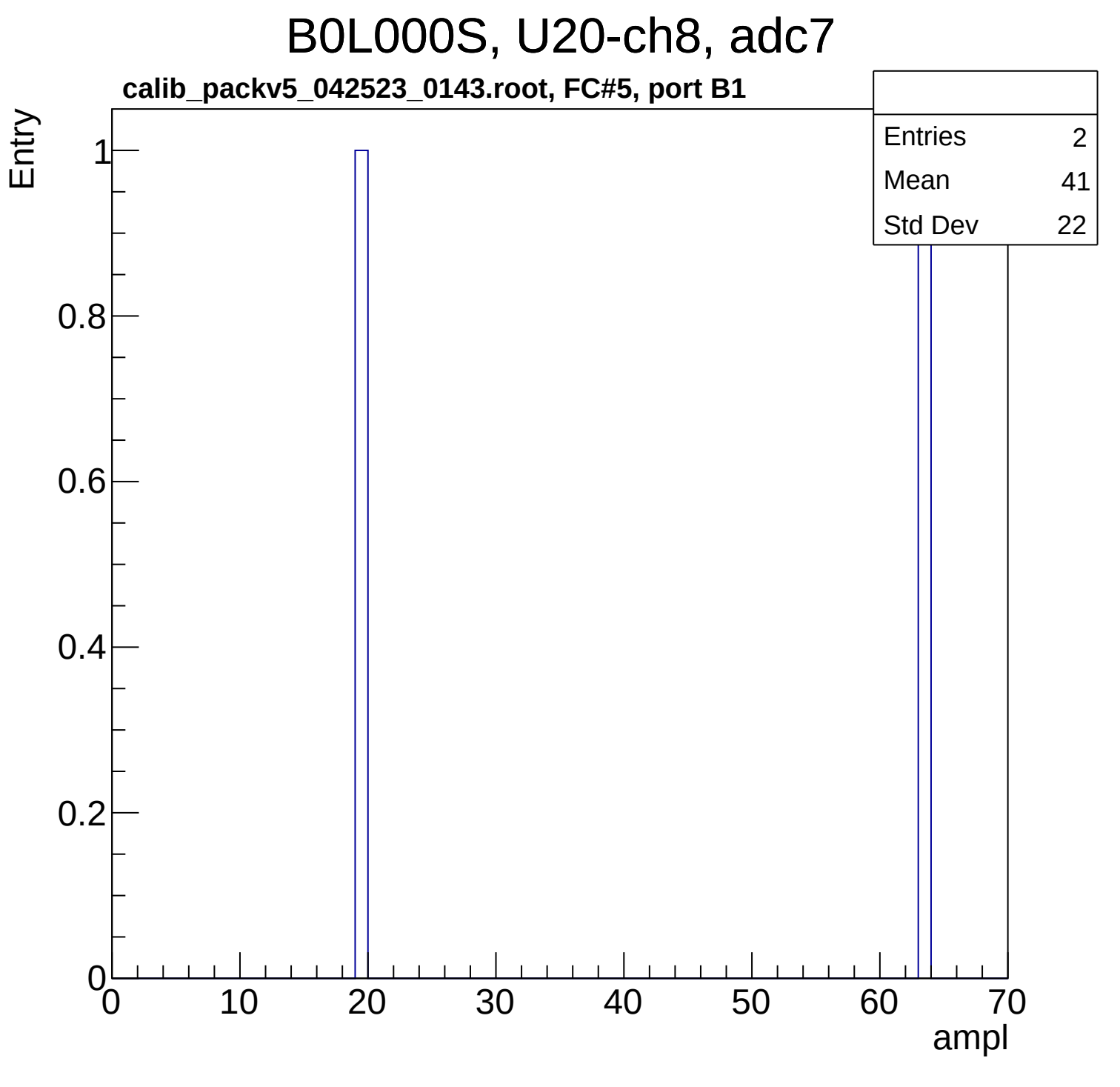
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch8, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 60.33
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch8, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 41
Std Dev 22
Entry
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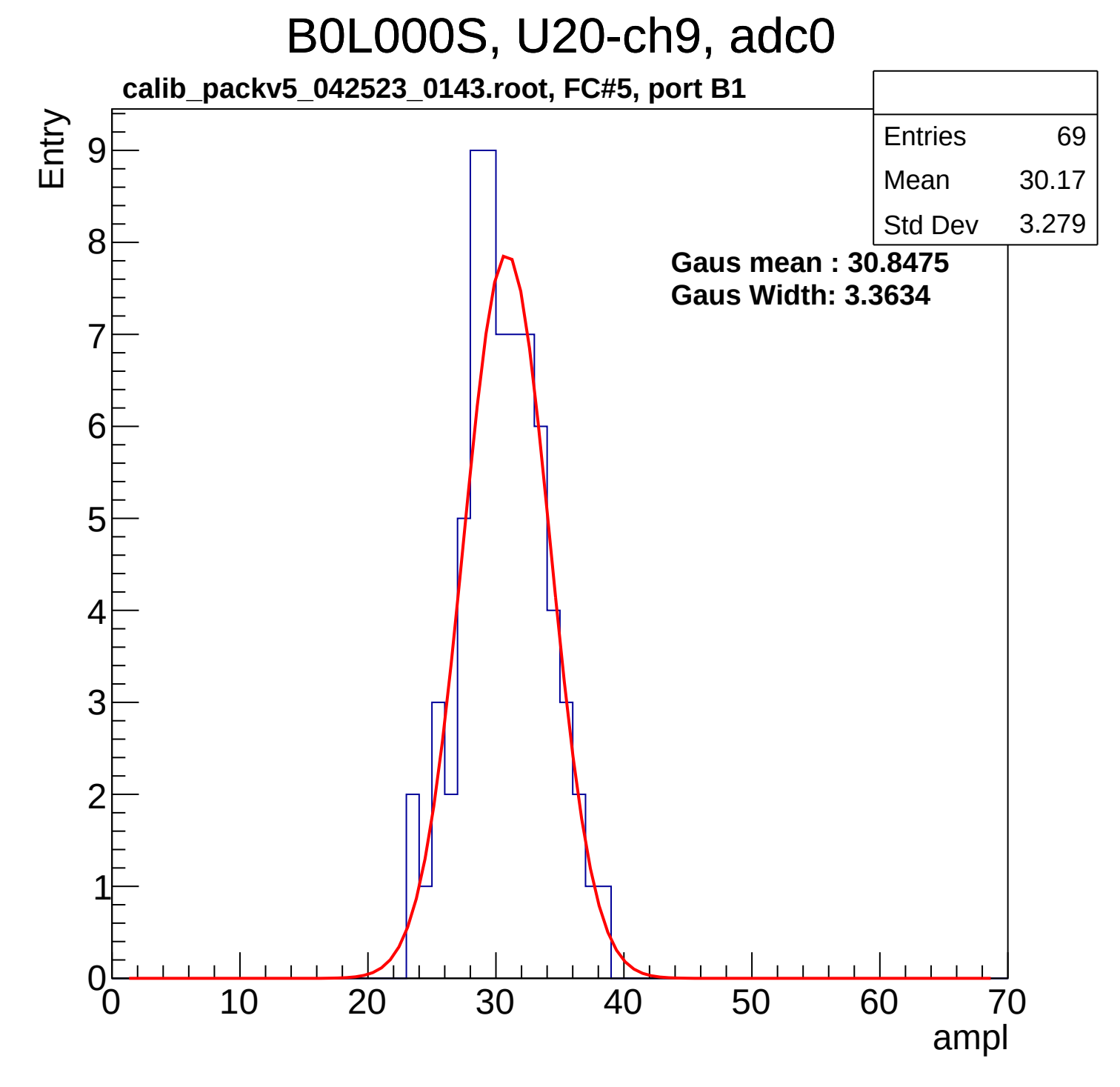
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch9, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 30.17
Std Dev 3.279
Gaus mean : 30.8475
Gaus Width: 3.3634
Entry
ampl
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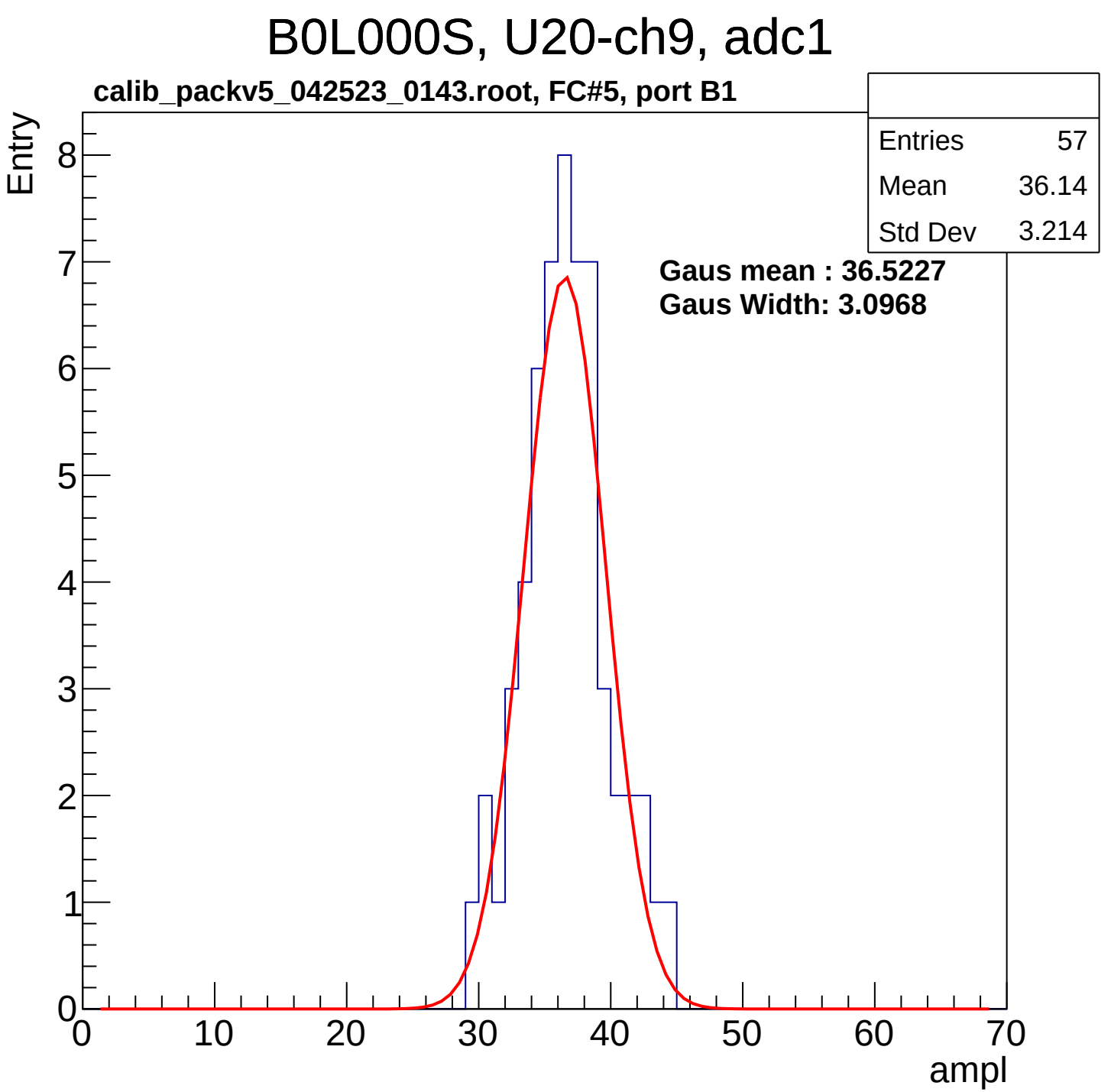
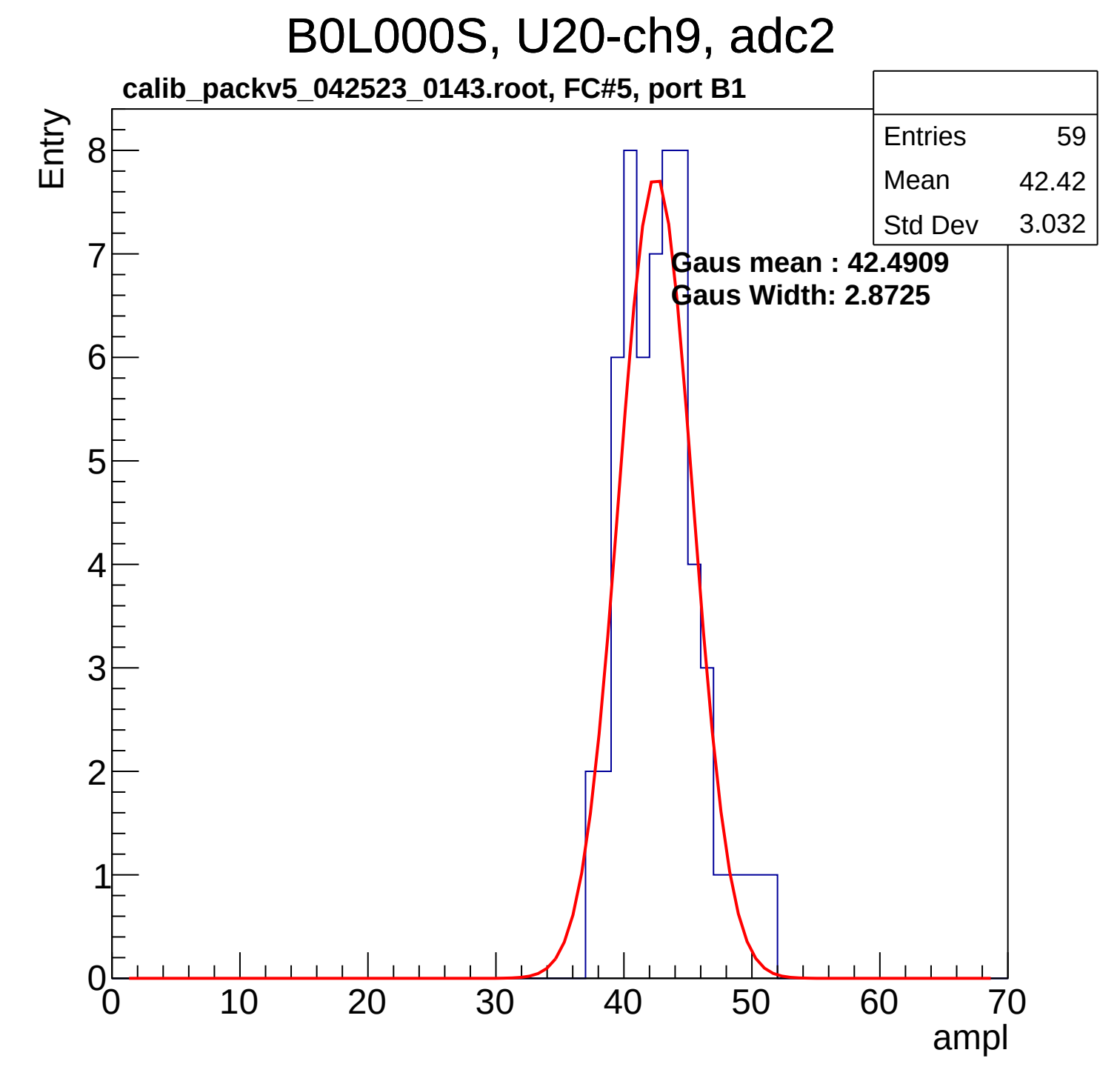
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch9, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 36.14
Std Dev 3.214
Gaus mean : 36.5227
Gaus Width: 3.0968
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch9, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 42.42
Std Dev 3.032
Gaus mean : 42.4909
Gaus Width: 2.8725
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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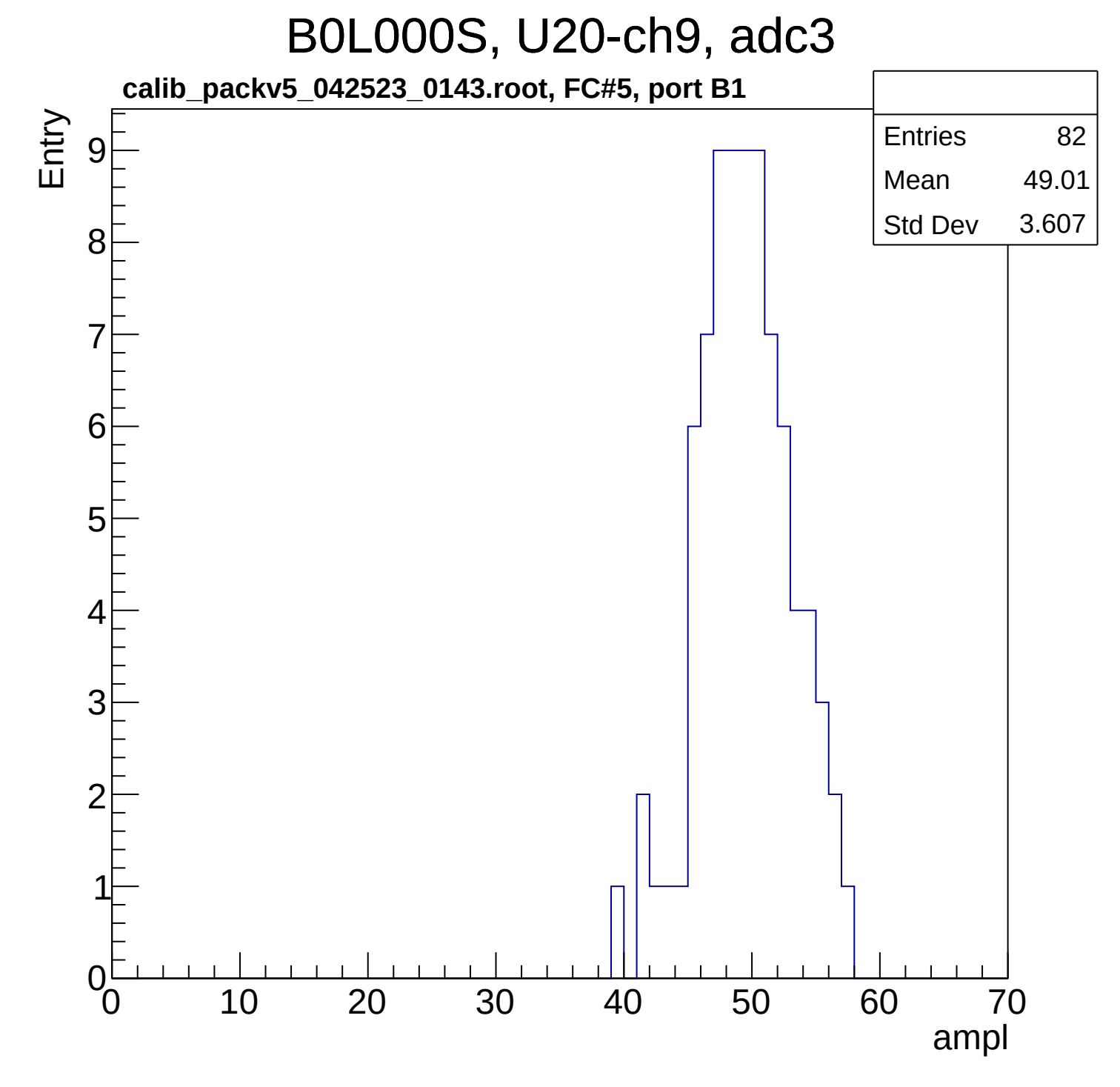
B0L000S, U20-ch9, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 82
Mean 49.01
Std Dev 3.607
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
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40
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60
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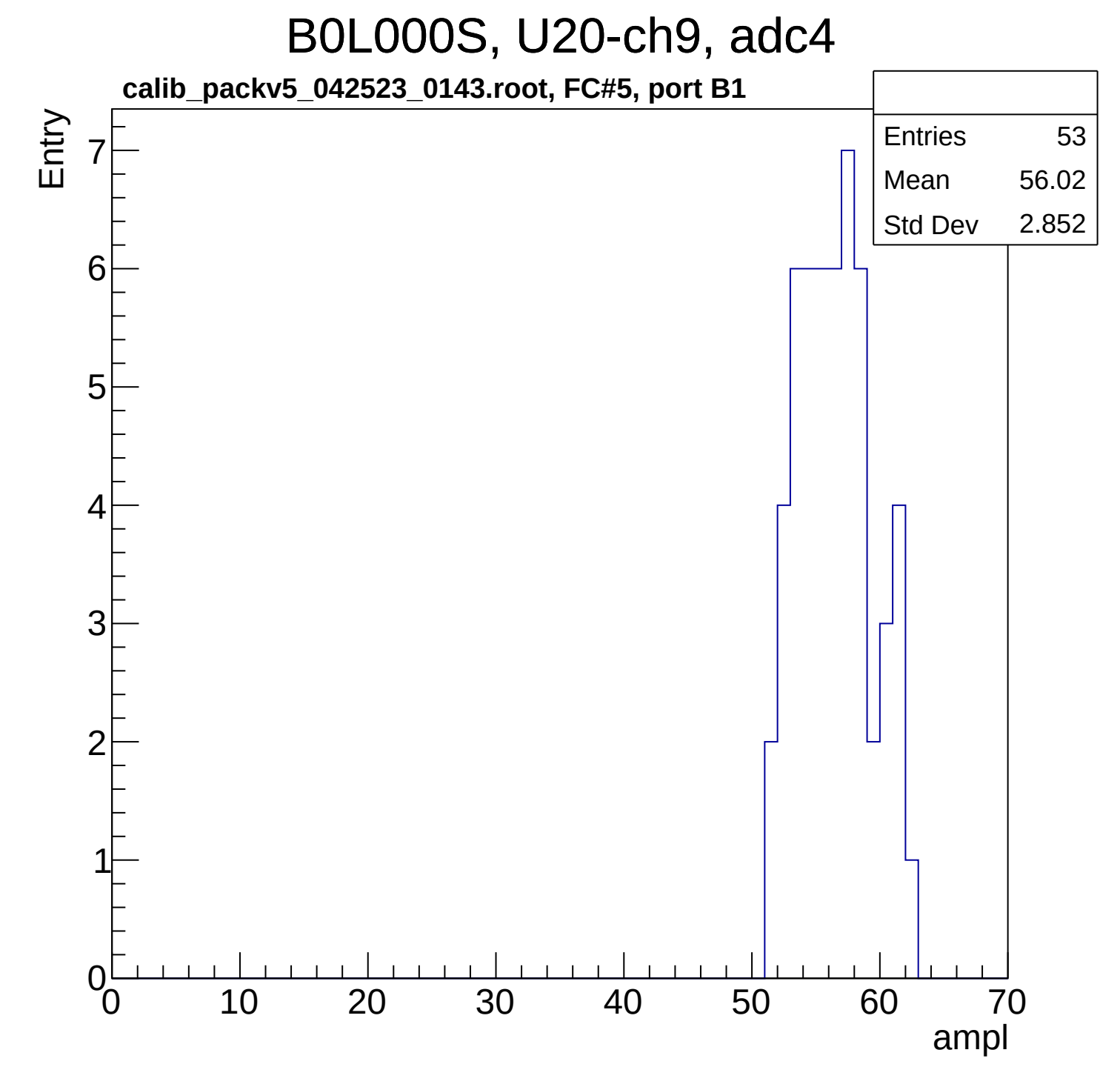
B0L000S, U20-ch9, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 56.02
Std Dev 2.852
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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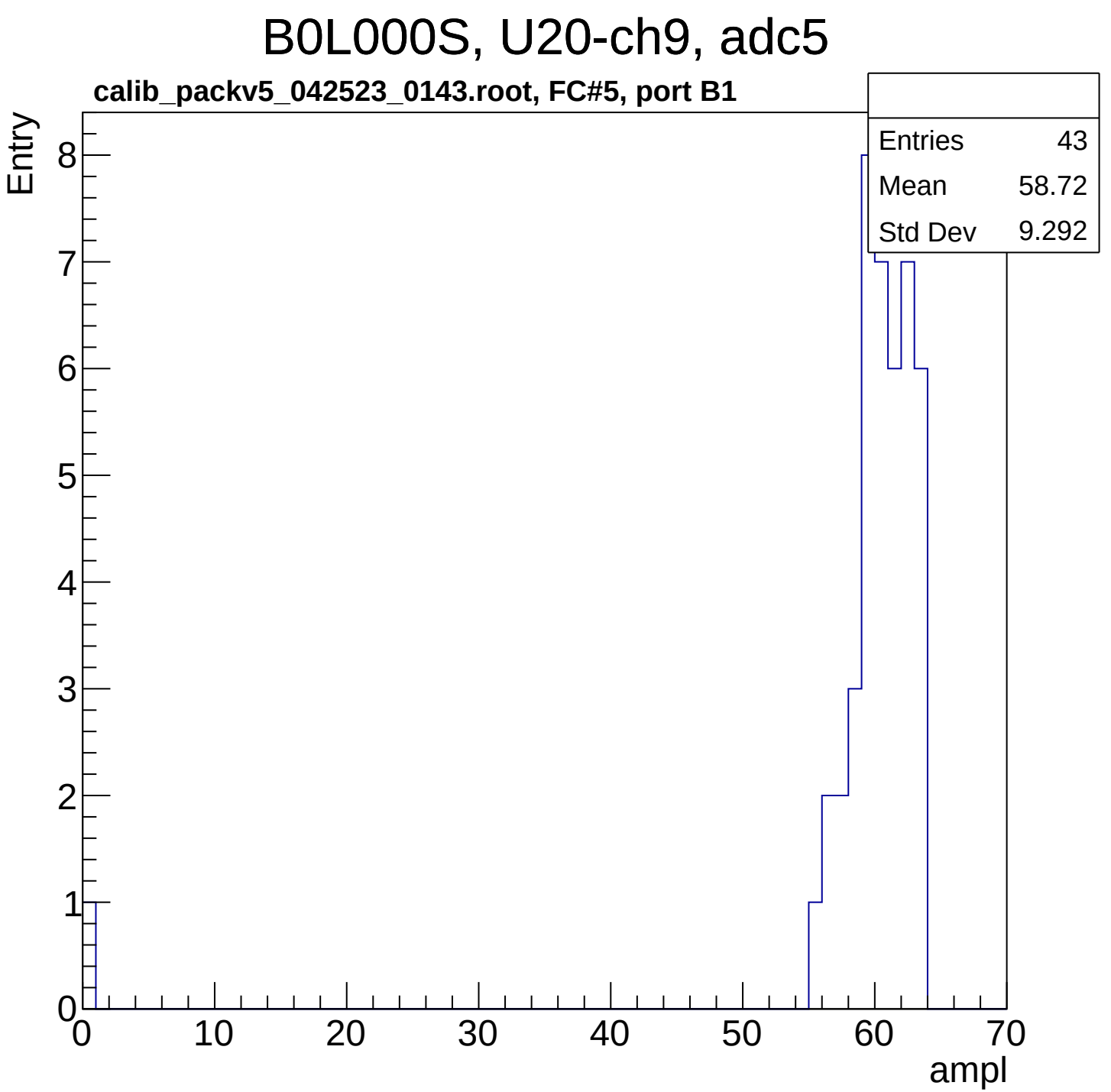
B0L000S, U20-ch9, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 58.72
Std Dev 9.292
Entry
ampl
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1
2
3
4
5
6
7
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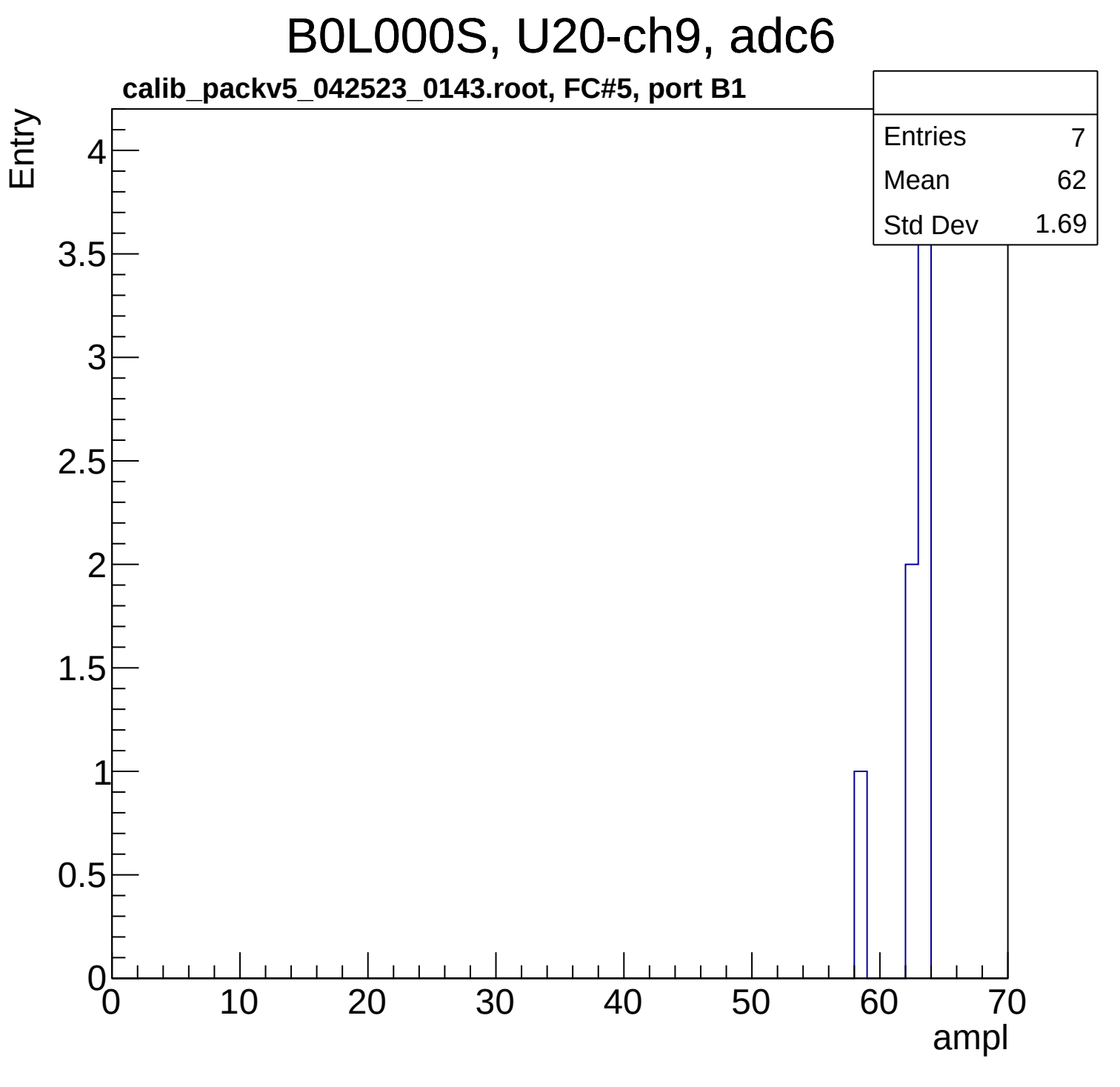
0
10
20
30
40
50
60
70


B0L000S, U20-ch9, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 62
Std Dev 1.69
Entry
ampl
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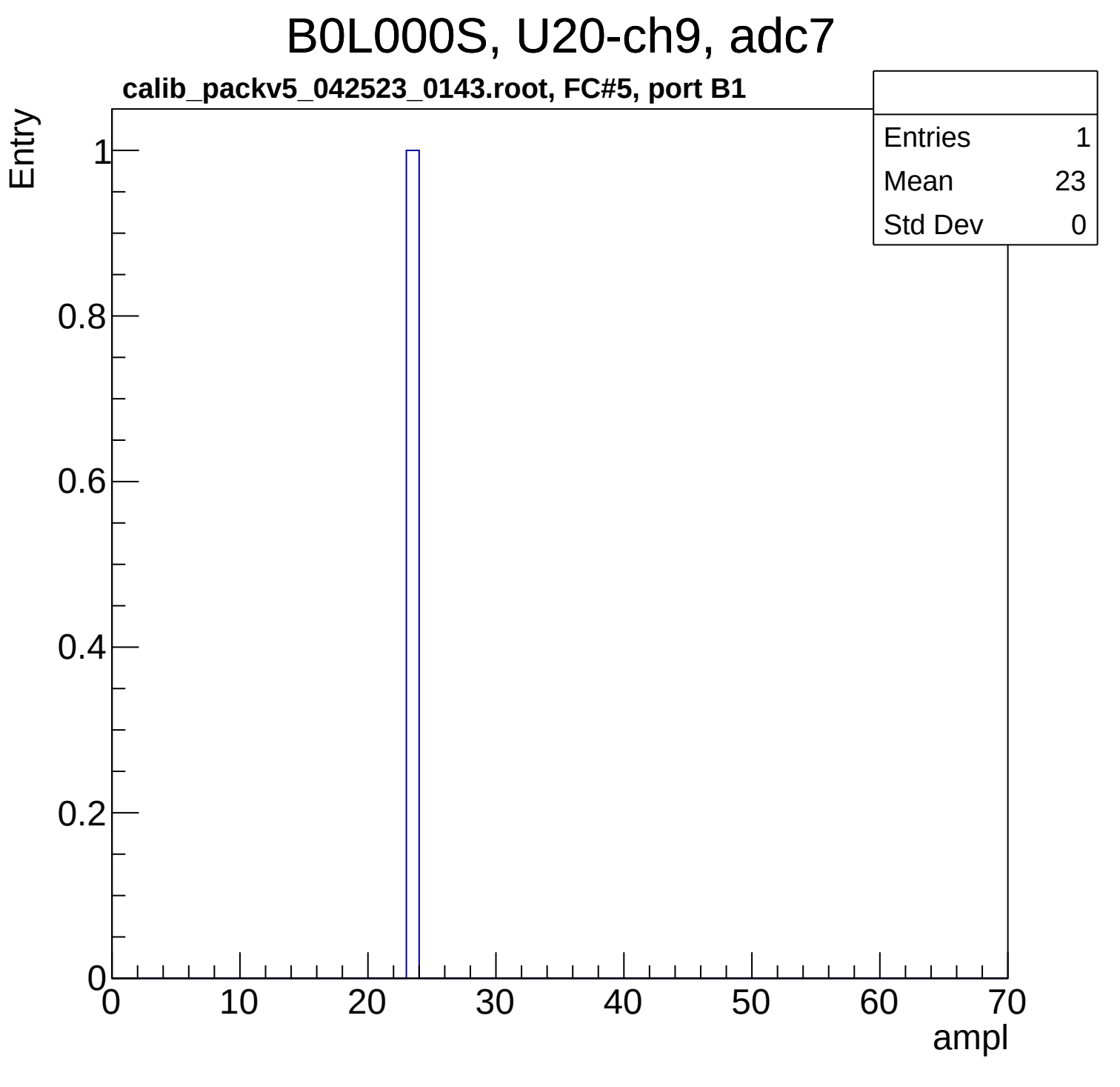
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch9, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 23
Std Dev 0
Entry
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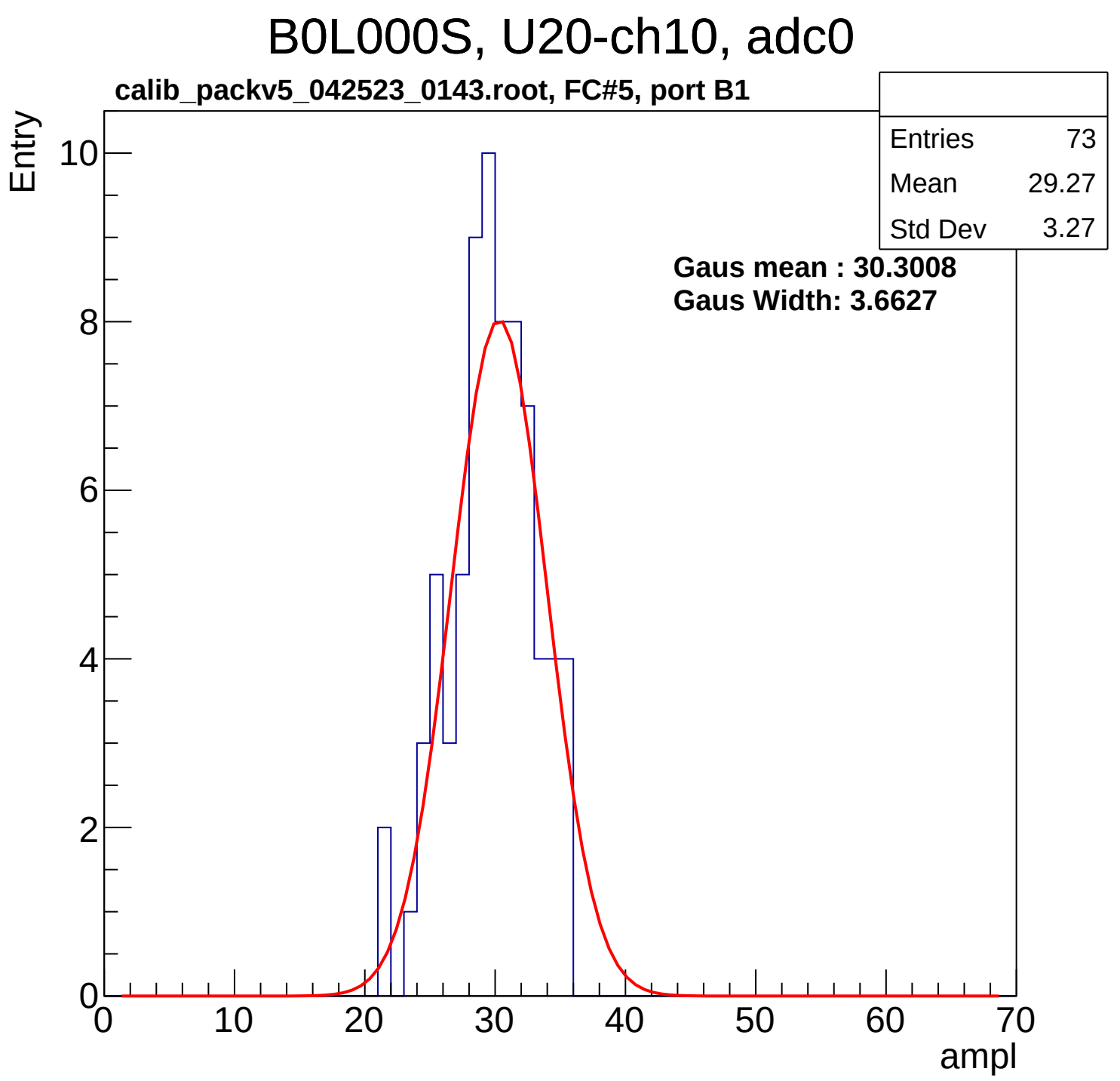
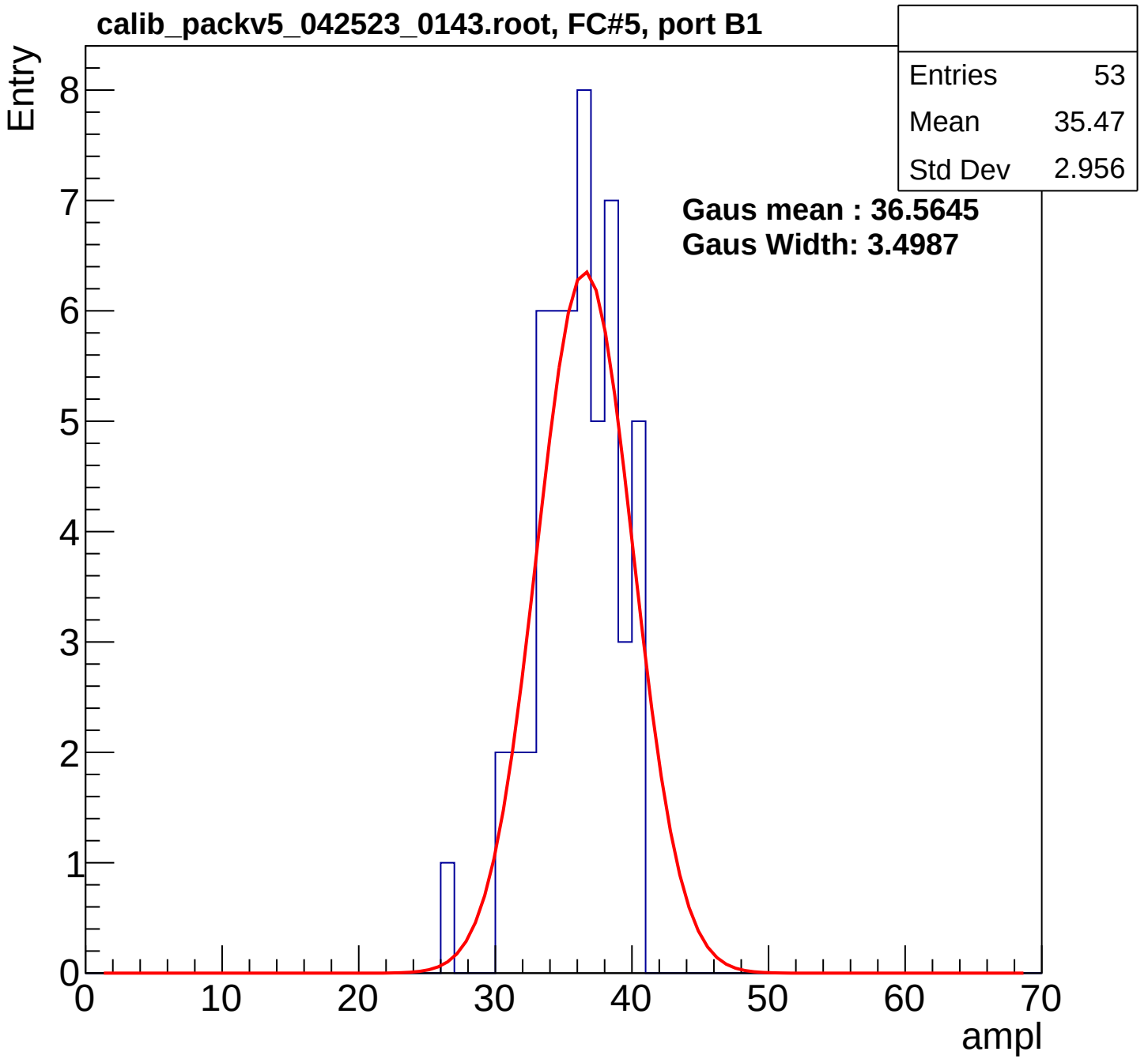
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch10, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 29.27
Std Dev 3.27
Gaus mean : 30.3008
Gaus Width: 3.6627
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch10, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 35.47
Std Dev 2.956
Gaus mean : 36.5645
Gaus Width: 3.4987
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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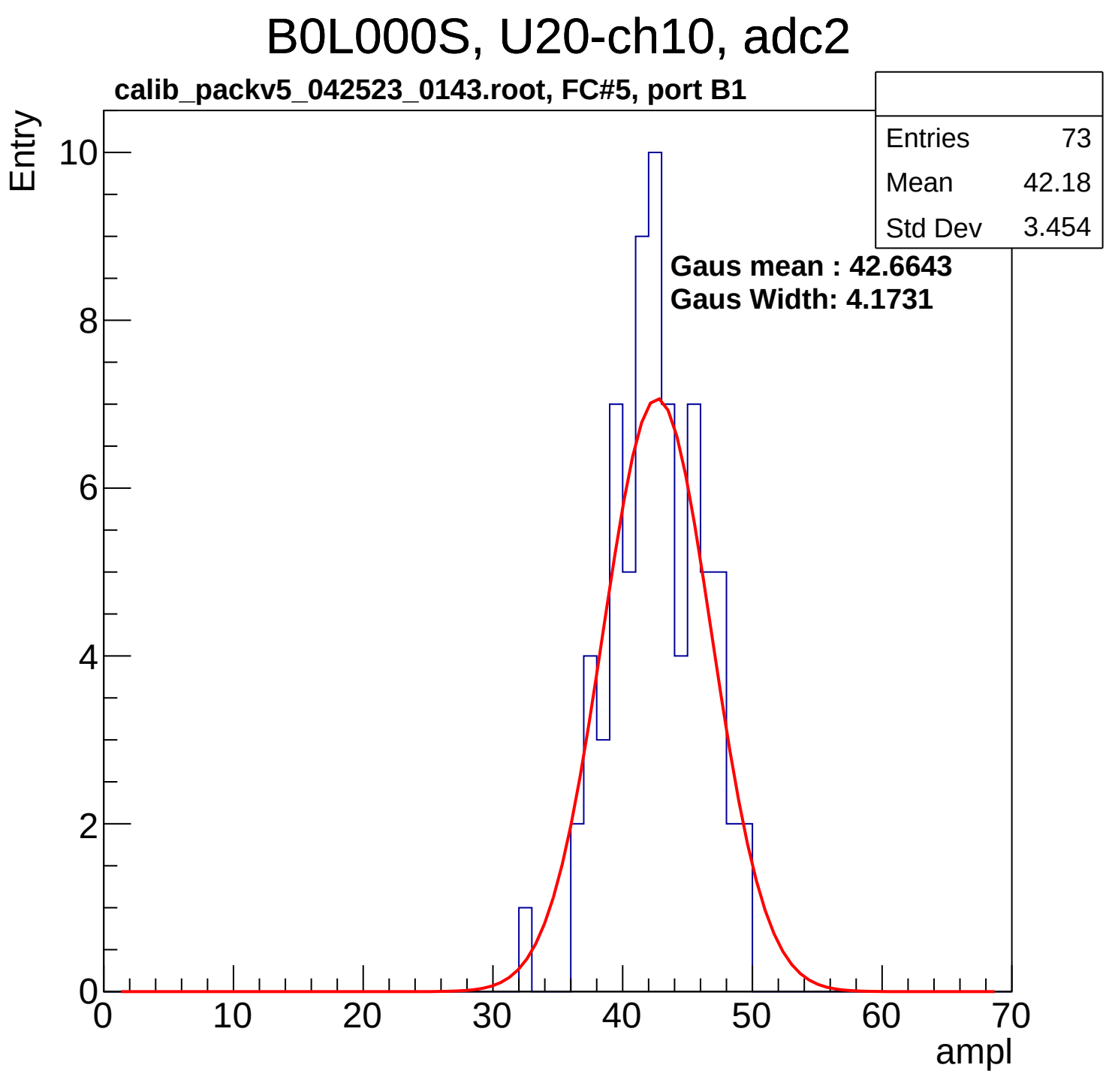
40
50
60
70


B0L000S, U20-ch10, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 42.18
Std Dev 3.454
Gaus mean : 42.6643
Gaus Width: 4.1731
Entry
ampl
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4
6
8
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0
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60
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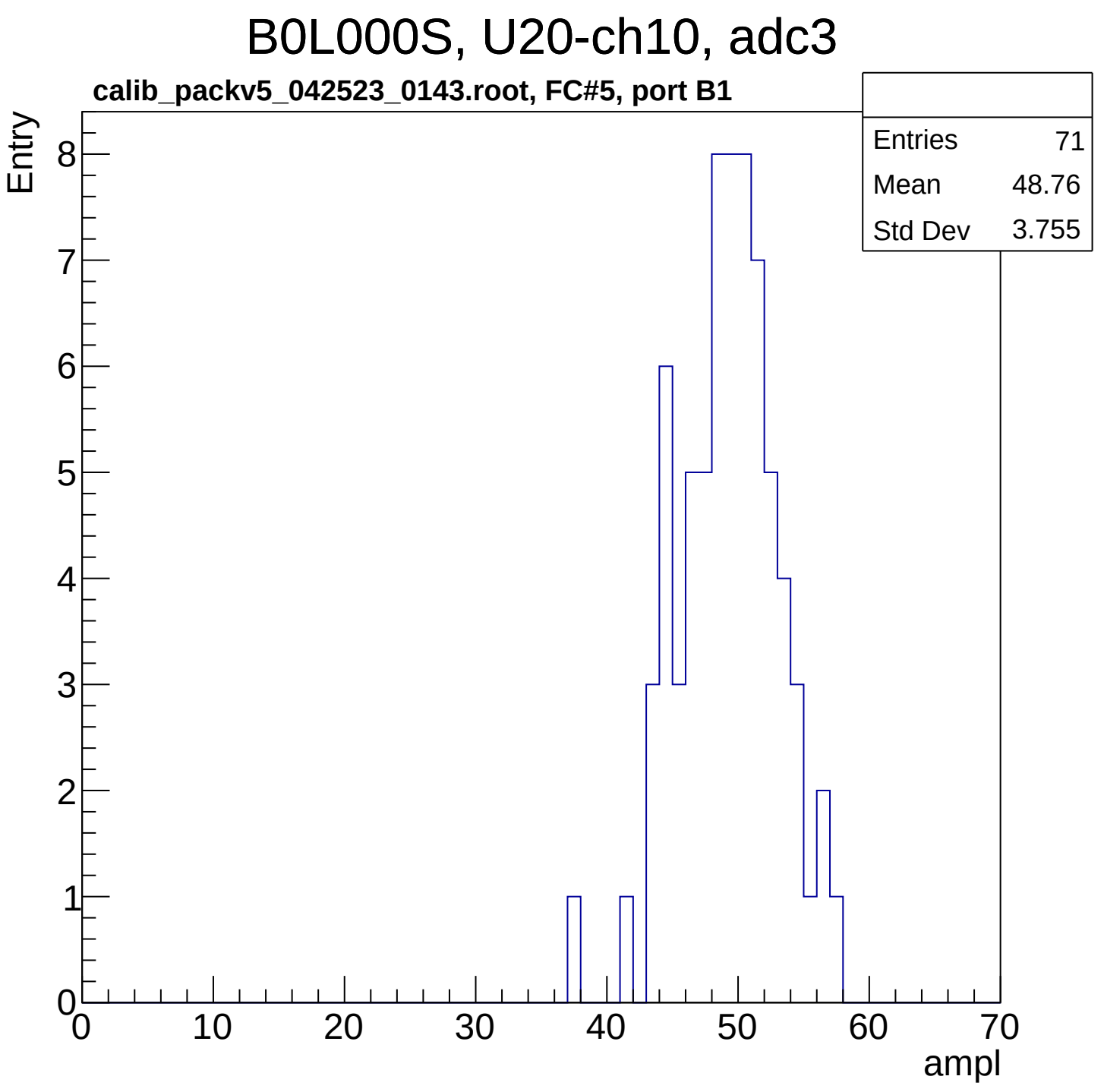
B0L000S, U20-ch10, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 48.76
Std Dev 3.755
Entry
ampl
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5
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7
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0
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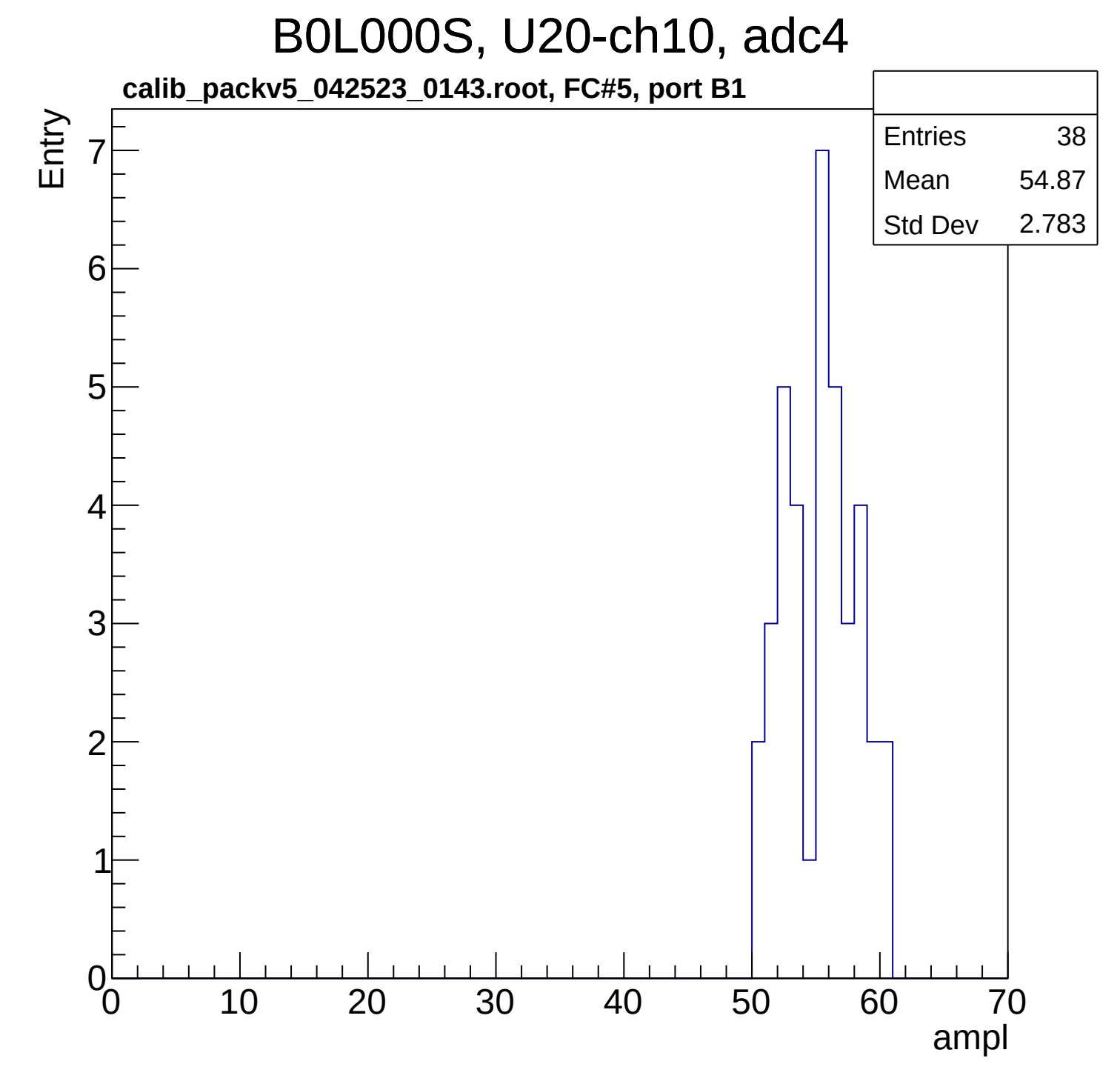
B0L000S, U20-ch10, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 38
Mean 54.87
Std Dev 2.783
Entry
ampl
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0
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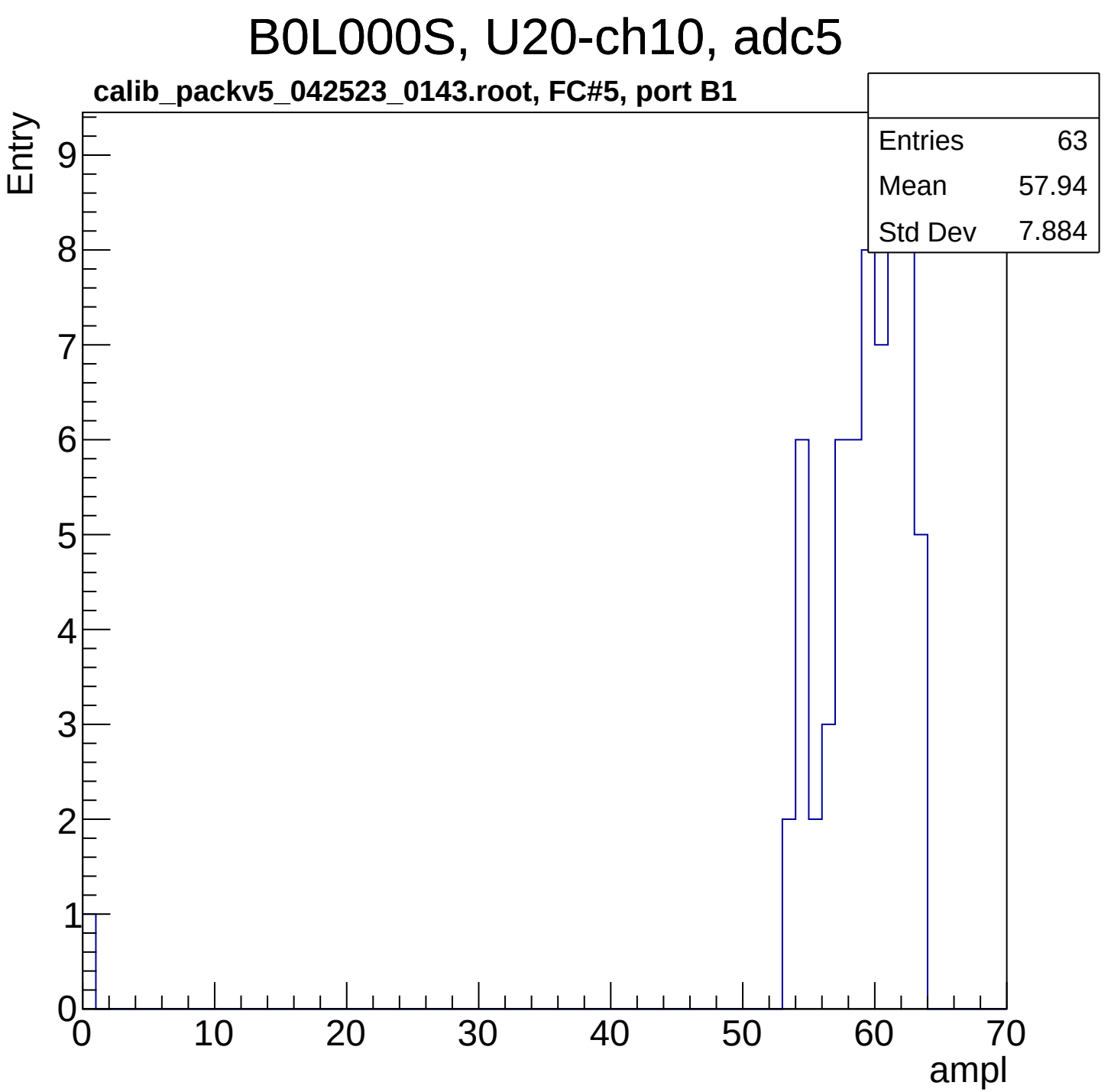
B0L000S, U20-ch10, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 57.94
Std Dev 7.884
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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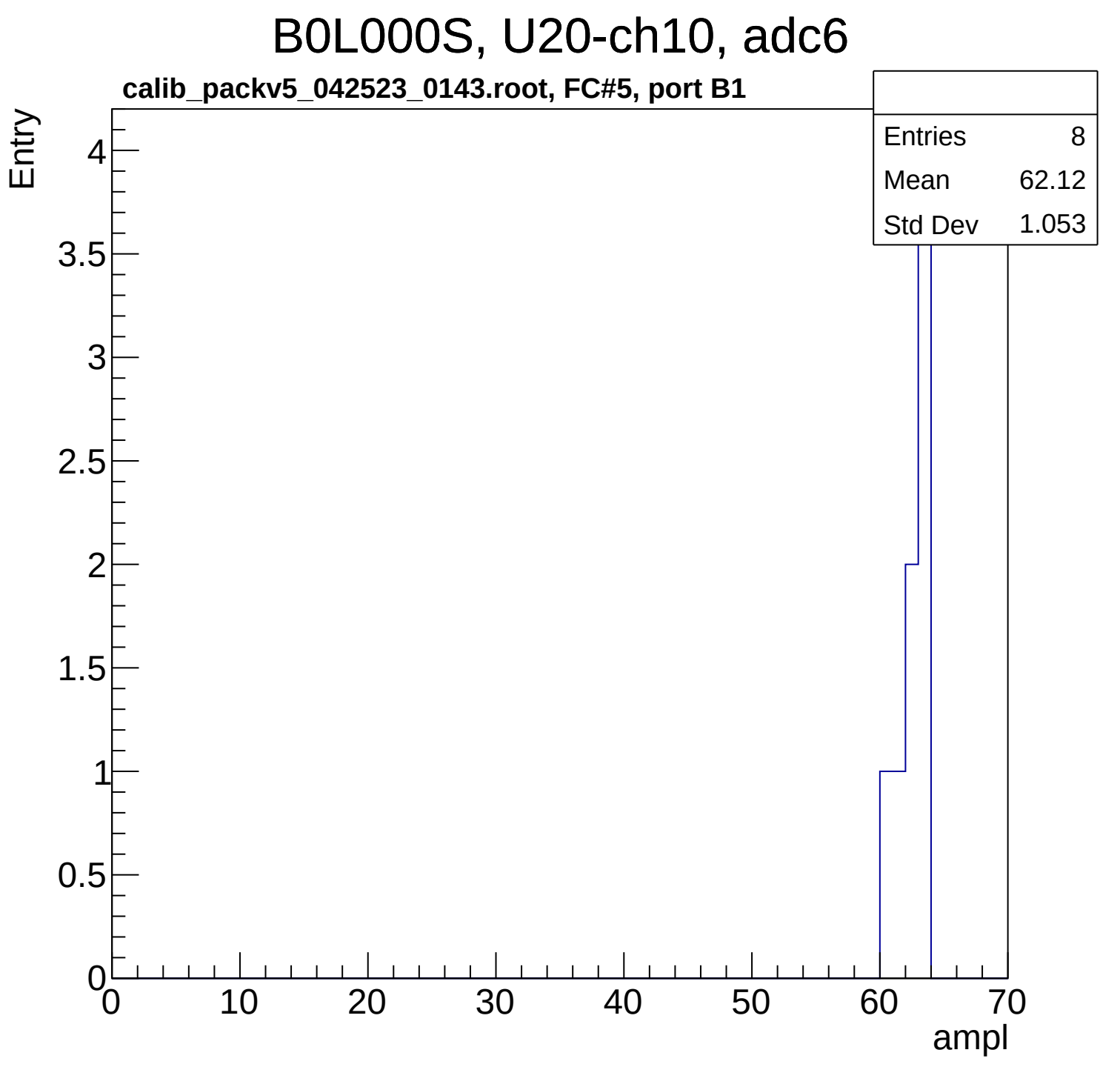
B0L000S, U20-ch10, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 62.12
Std Dev 1.053
Entry
ampl
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0.5
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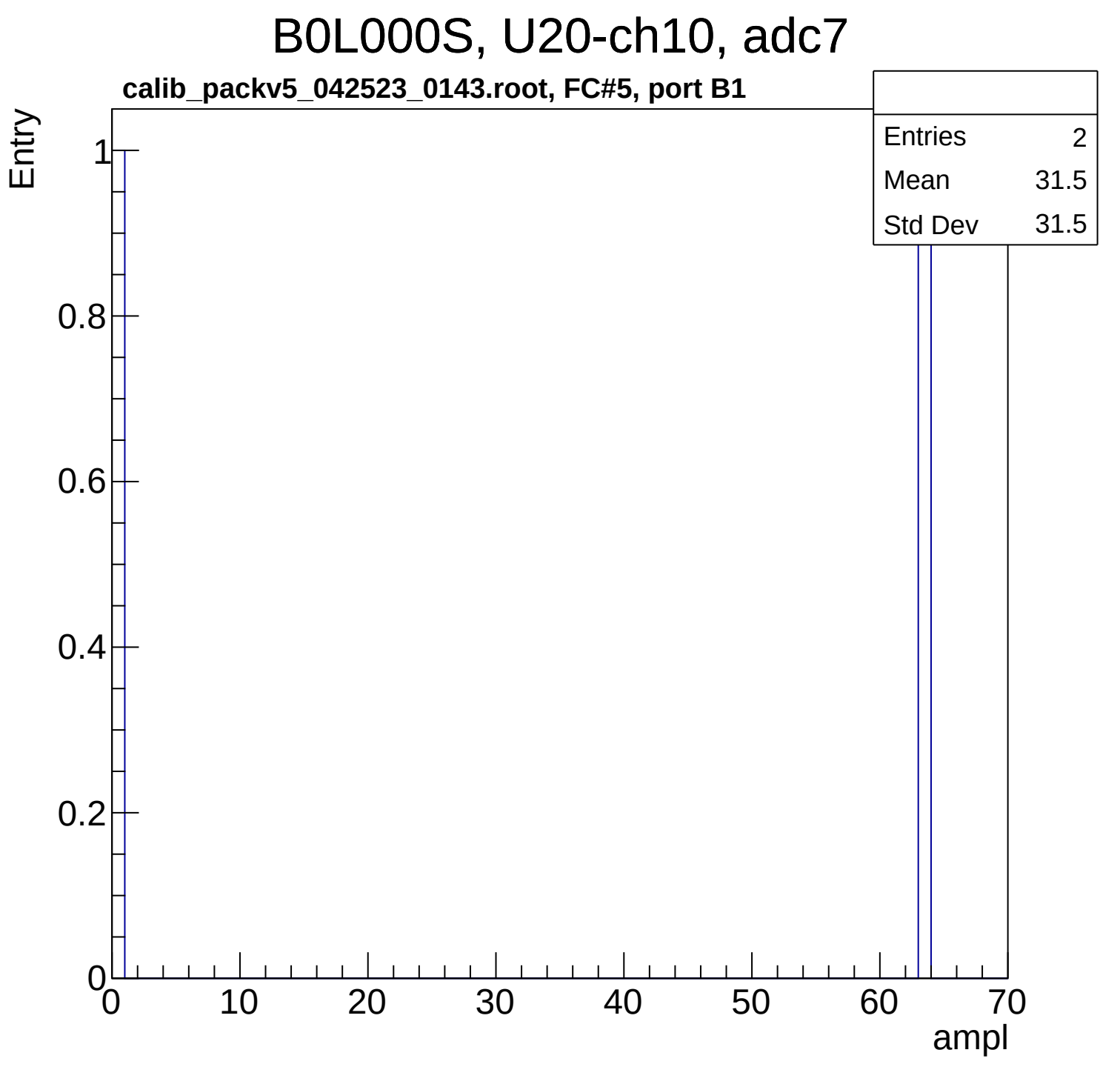
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch10, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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0.6
0.4
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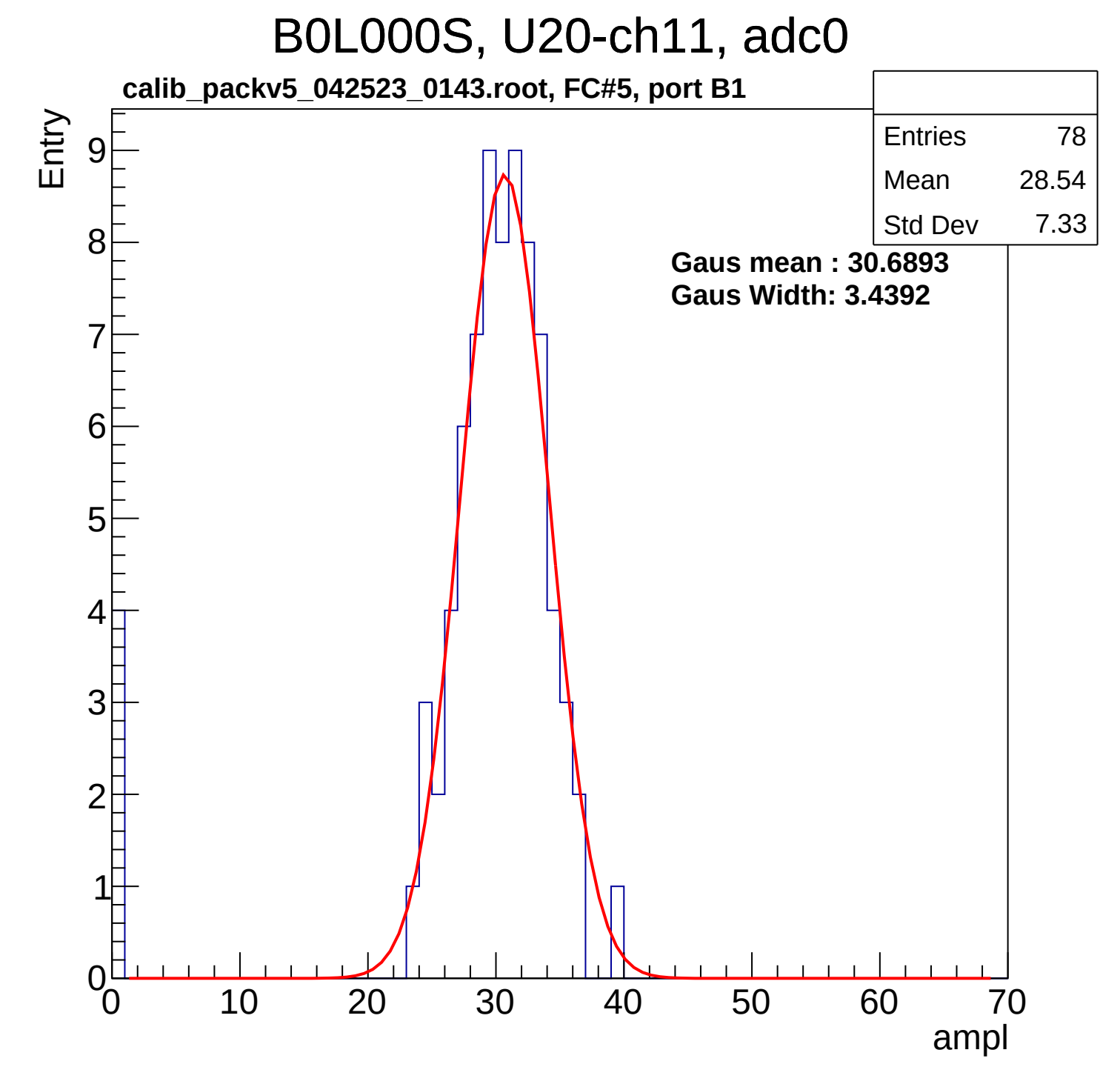
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch11, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 78
Mean 28.54
Std Dev 7.33
Gaus mean : 30.6893
Gaus Width: 3.4392
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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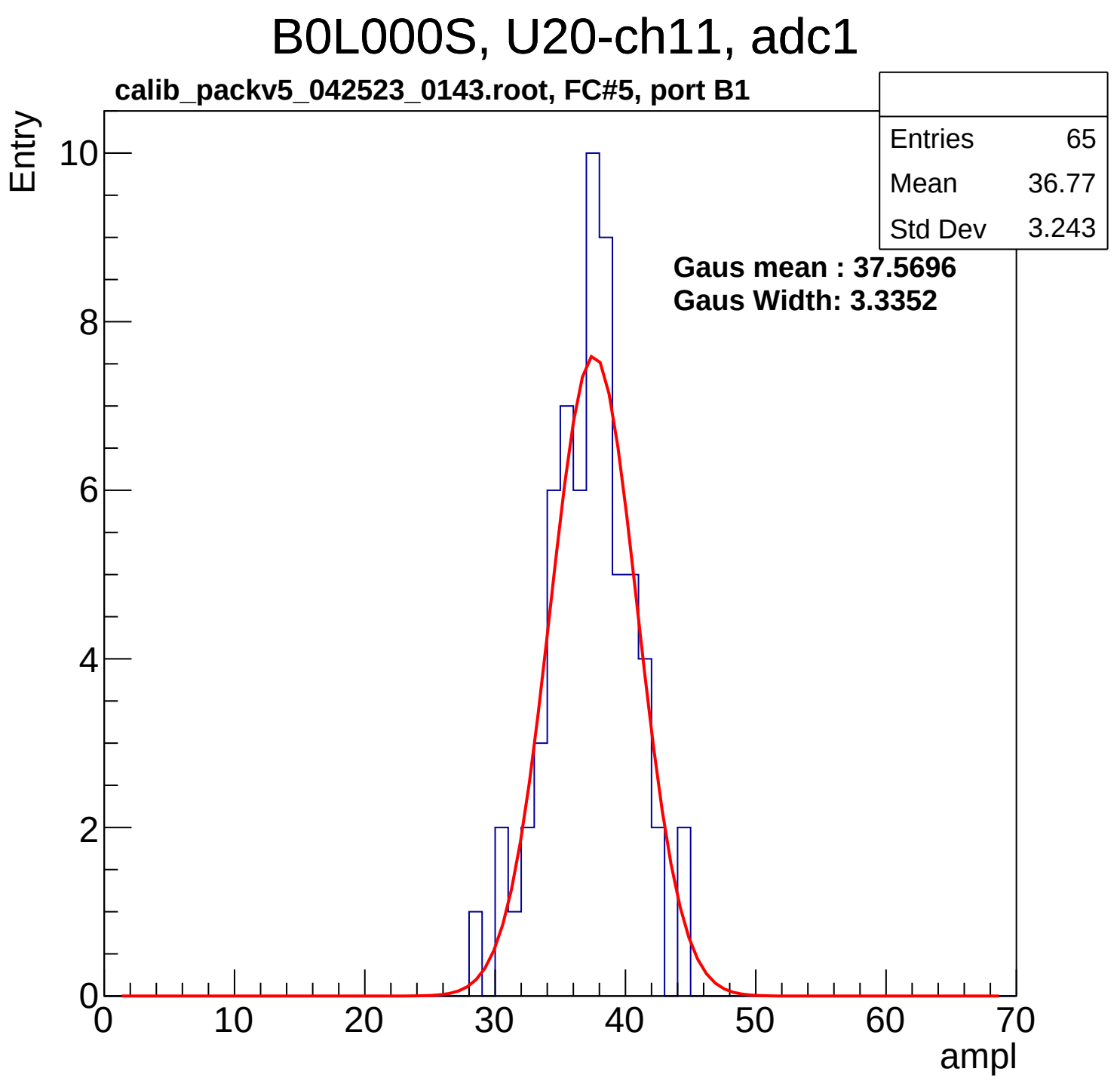
B0L000S, U20-ch11, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 36.77
Std Dev 3.243
Gaus mean : 37.5696
Gaus Width: 3.3352
Entry
ampl
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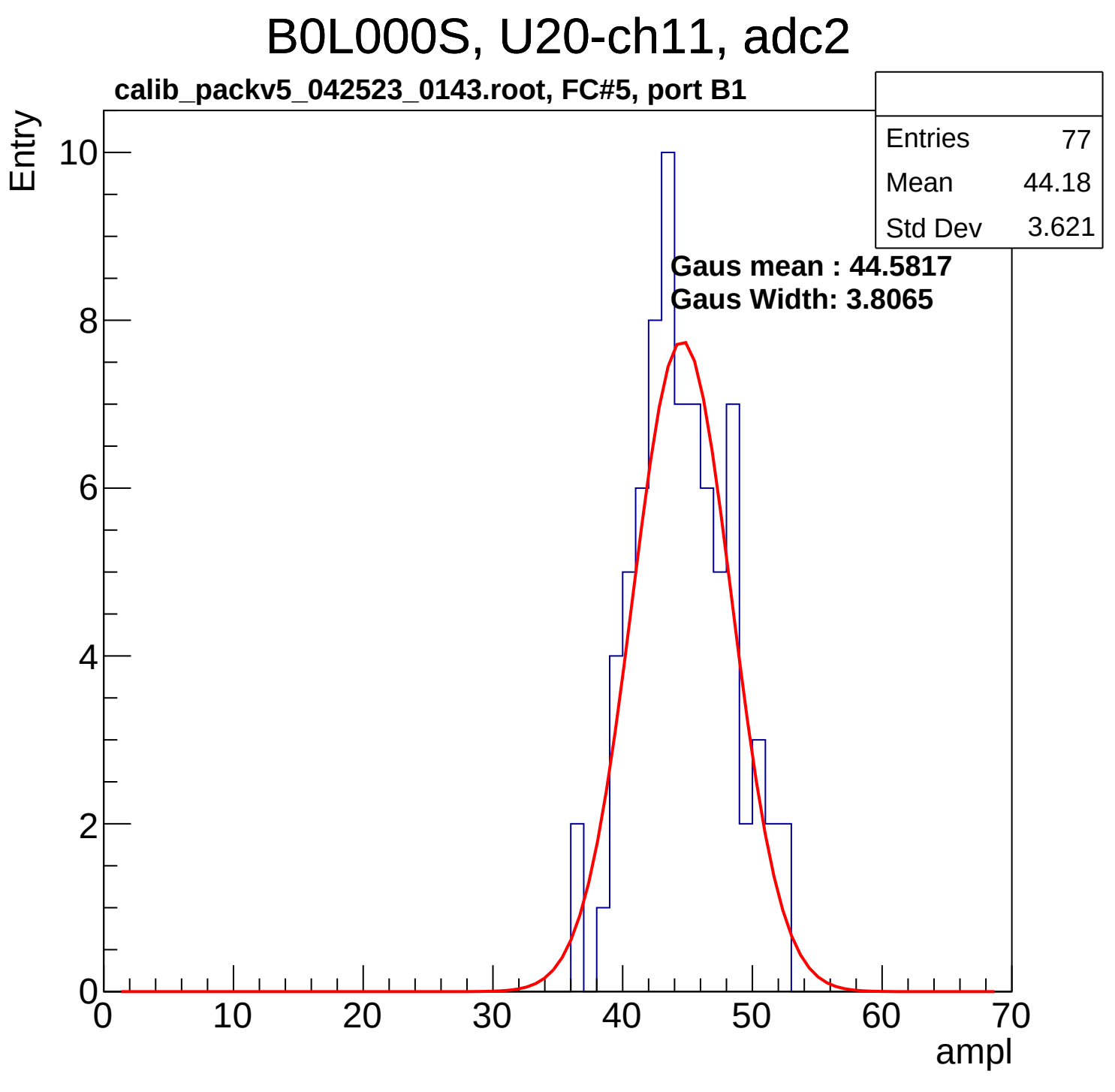
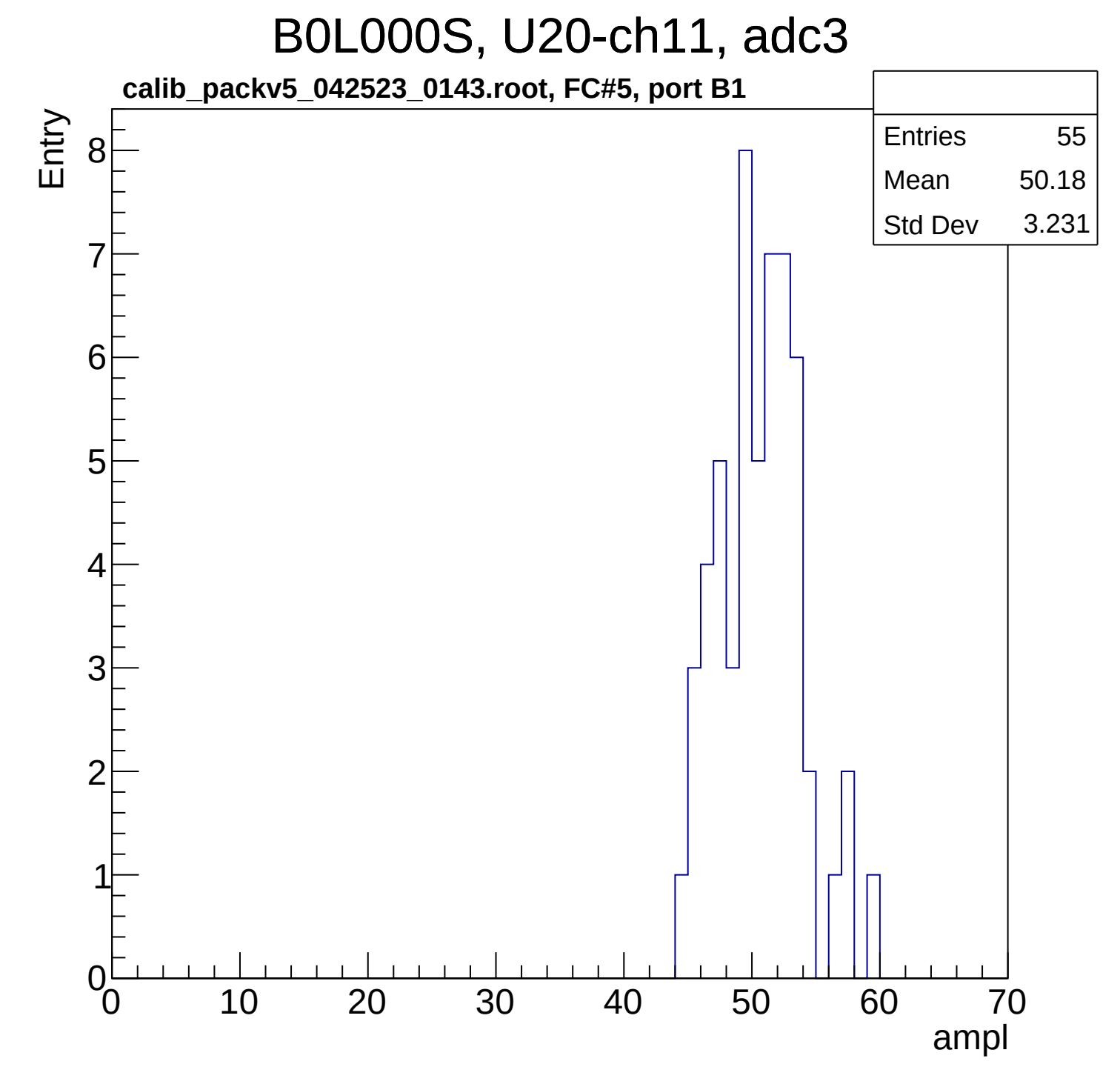
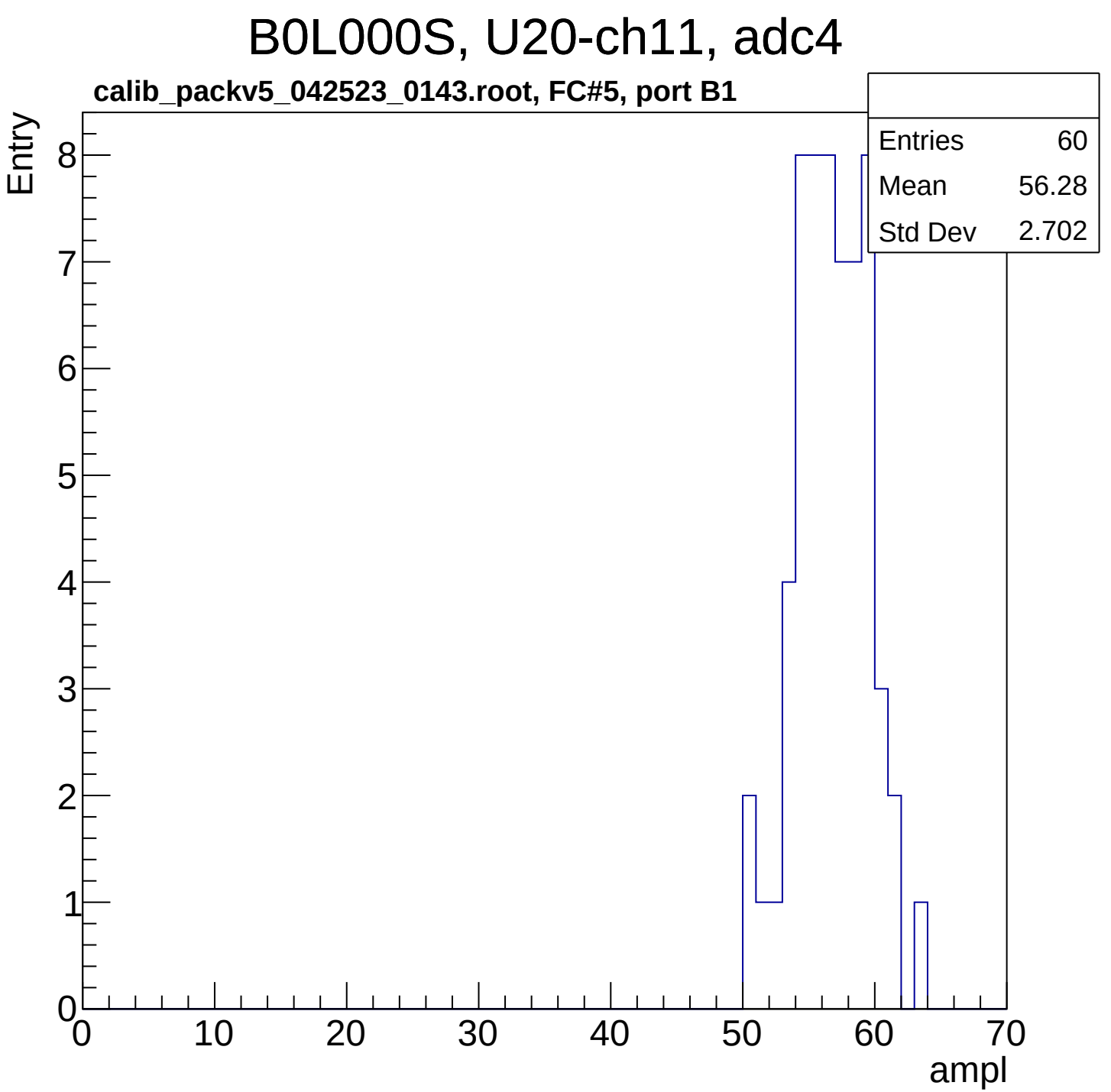
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch11, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 44.18
Std Dev 3.621
Gaus mean : 44.5817
Gaus Width: 3.8065
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch11, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 50.18
Std Dev 3.231
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch11, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 56.28
Std Dev 2.702
Entry
0
1
2
3
4
5
6
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8
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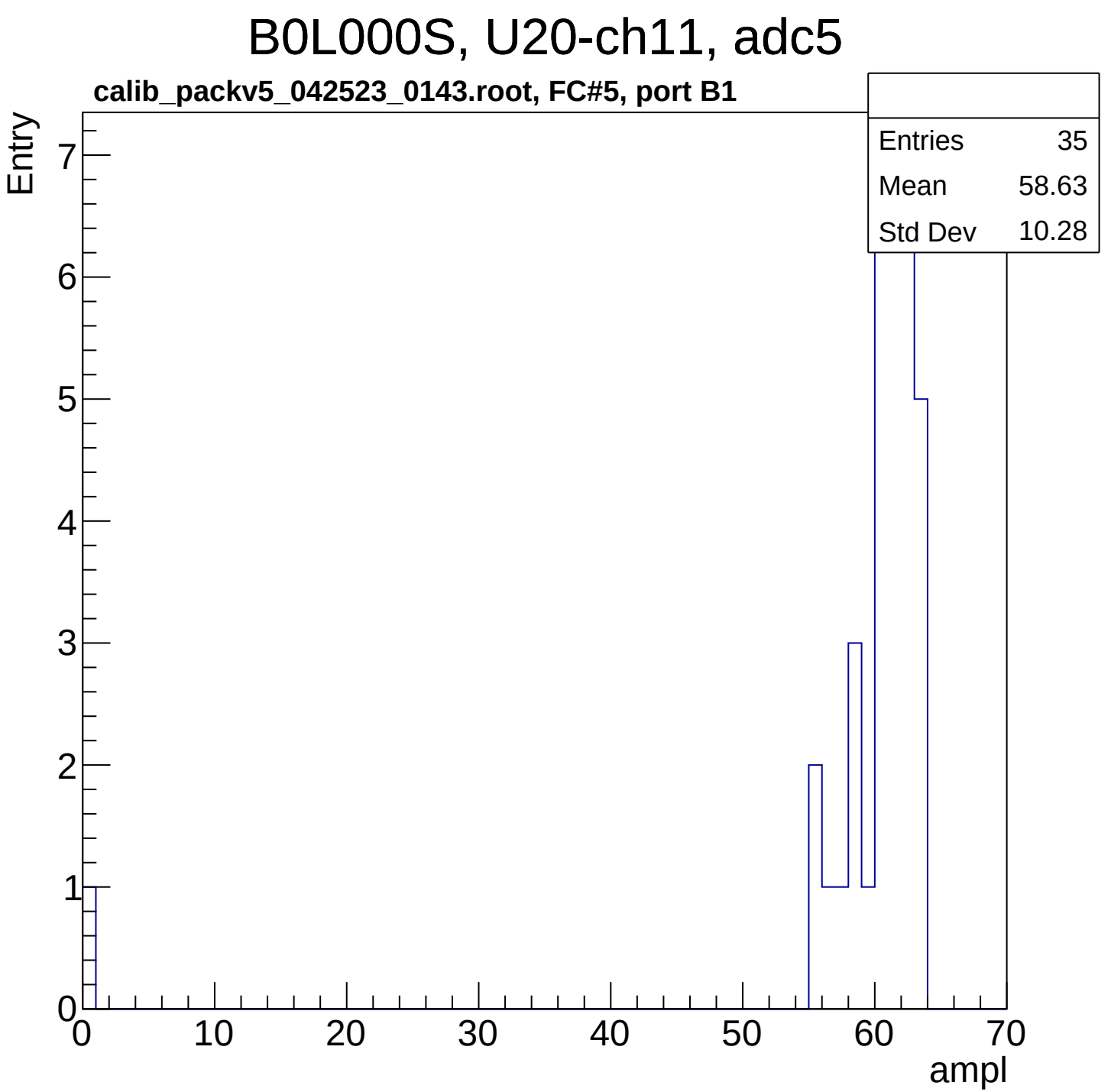
70
ampl


B0L000S, U20-ch11, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 35
Mean 58.63
Std Dev 10.28
Entry
ampl
0
1
2
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0
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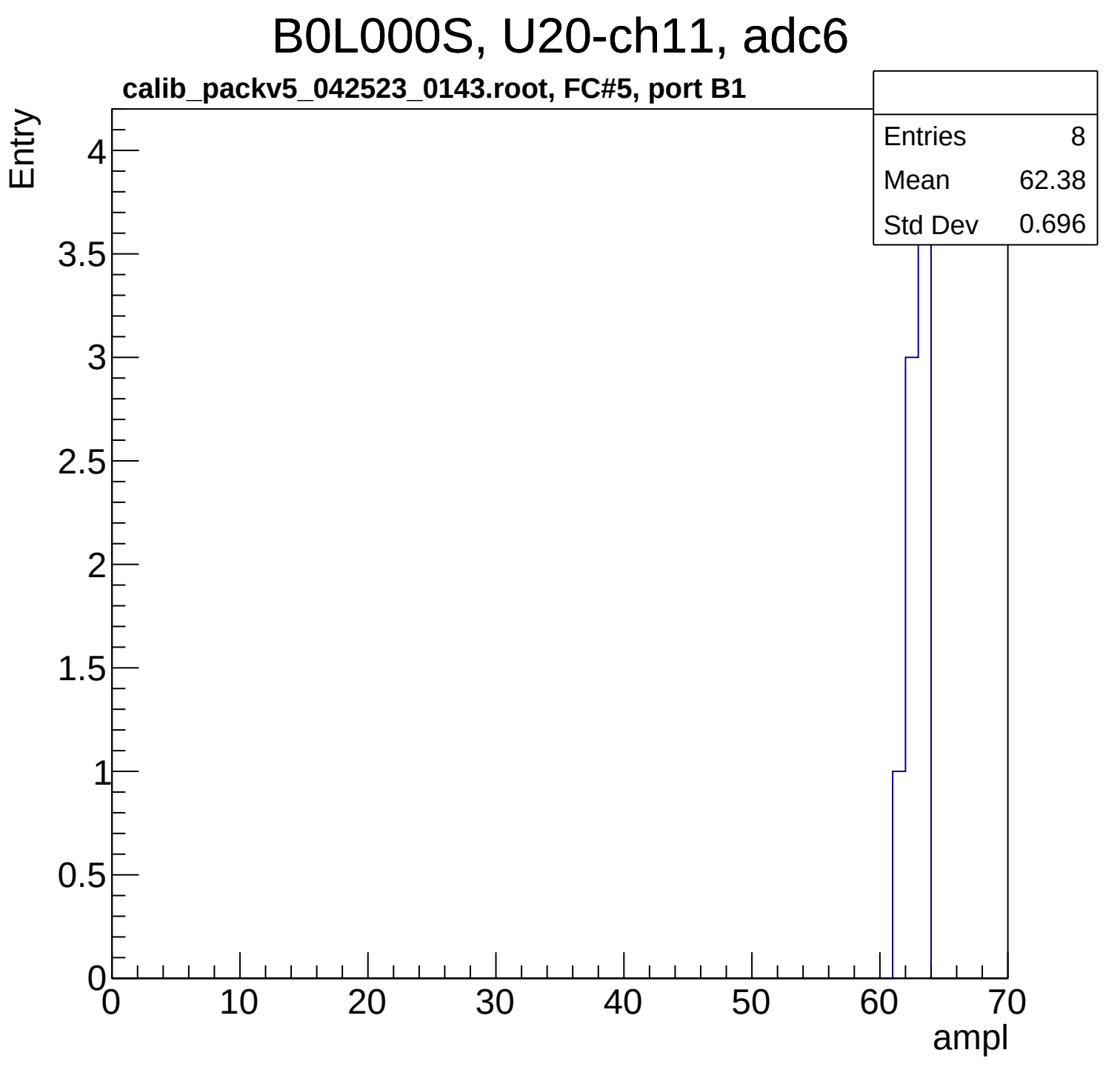
B0L000S, U20-ch11, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 62.38
Std Dev 0.696
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
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40
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60
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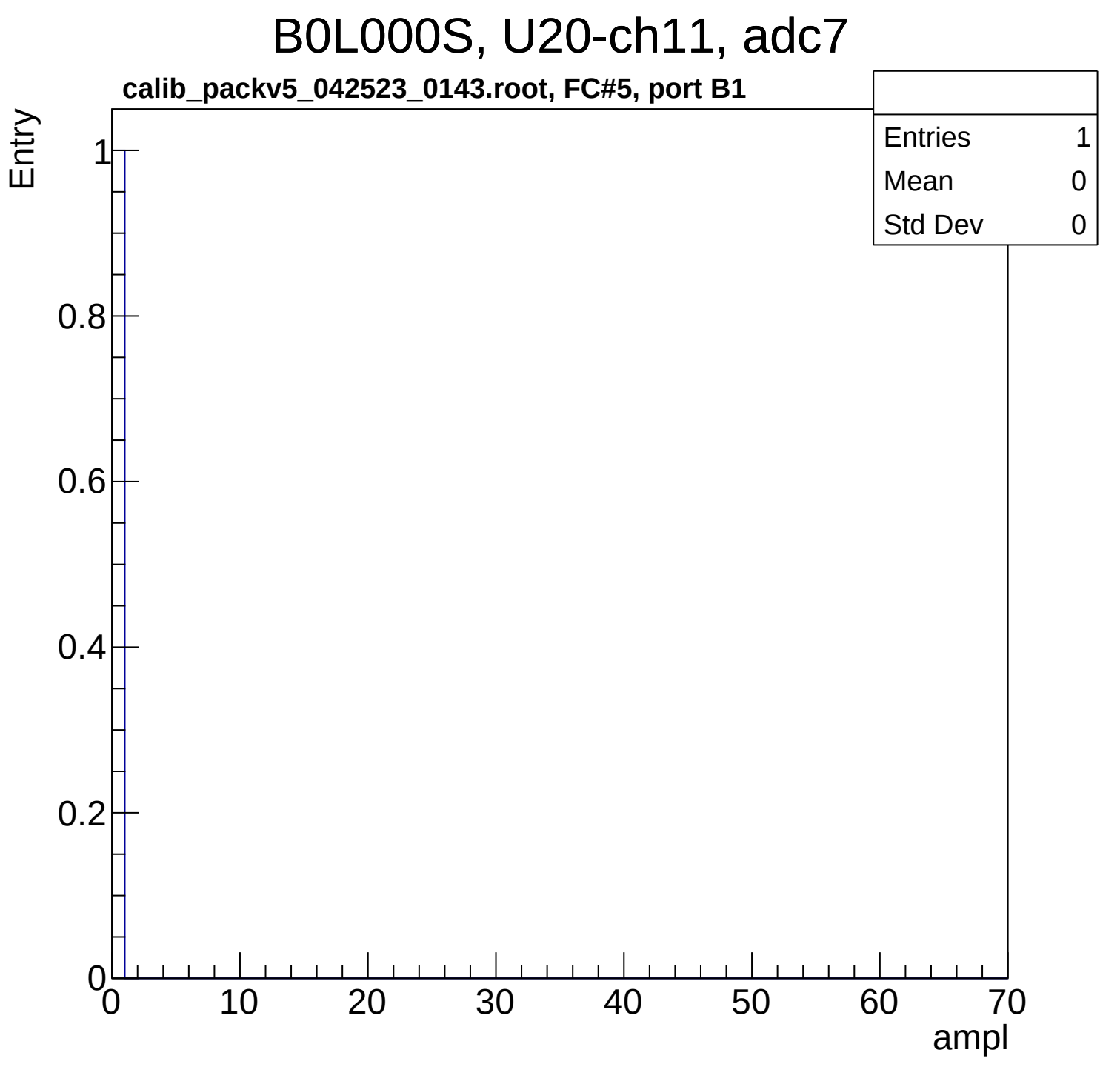
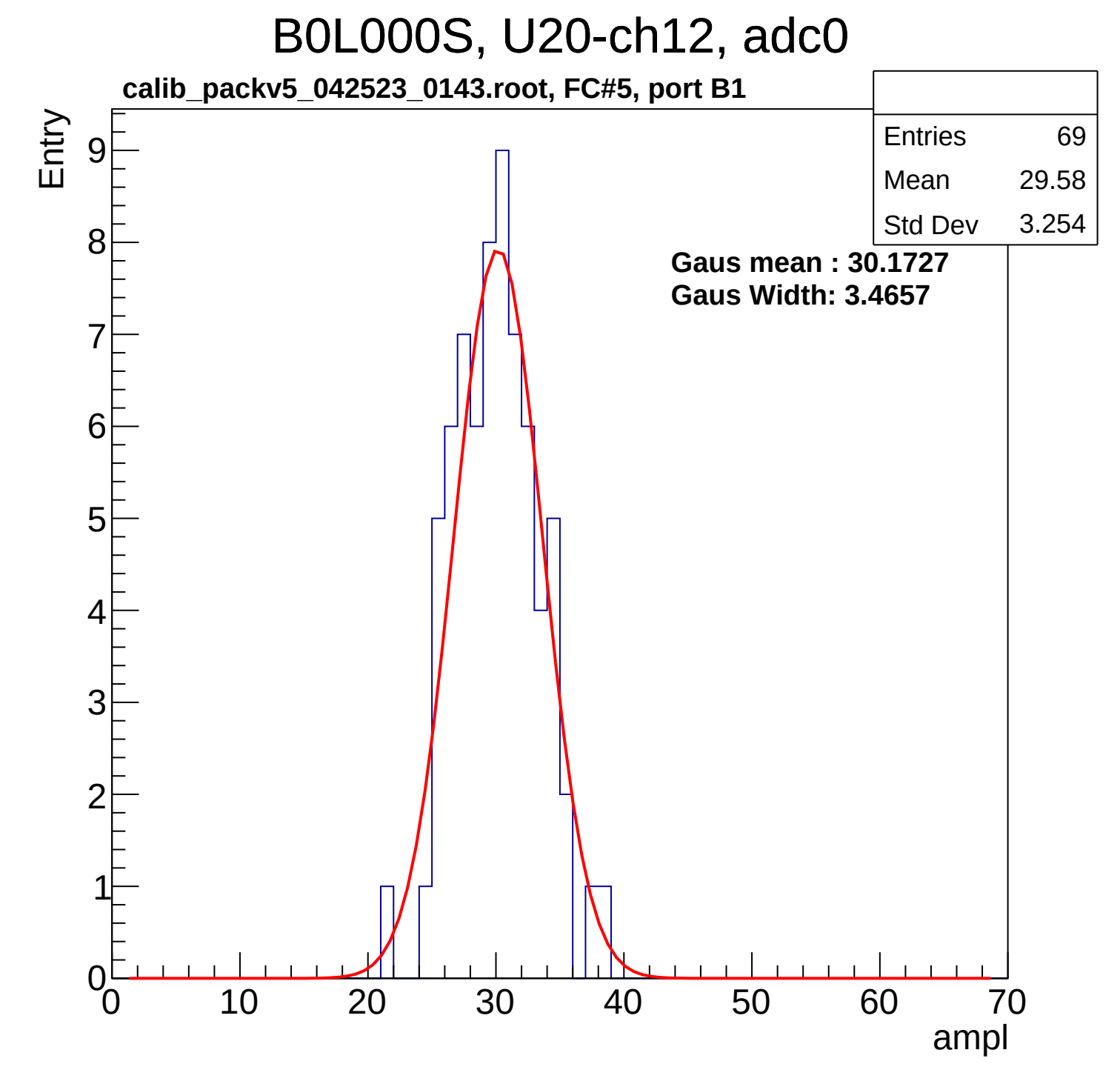

B0L000S, U20-ch11, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch12, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 29.58
Std Dev 3.254
Gaus mean : 30.1727
Gaus Width: 3.4657
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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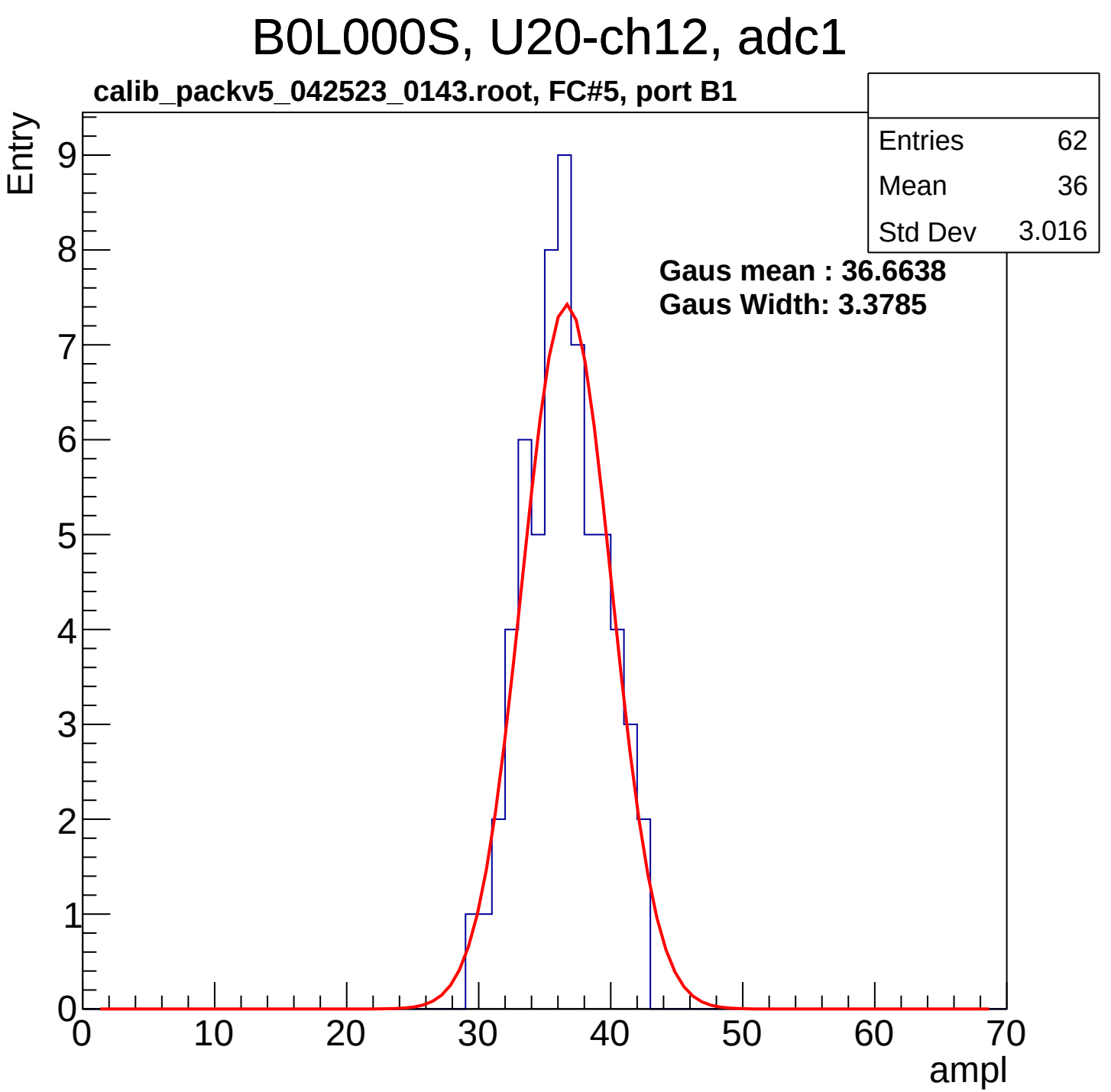
B0L000S, U20-ch12, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36
Std Dev 3.016
Gaus mean : 36.6638
Gaus Width: 3.3785
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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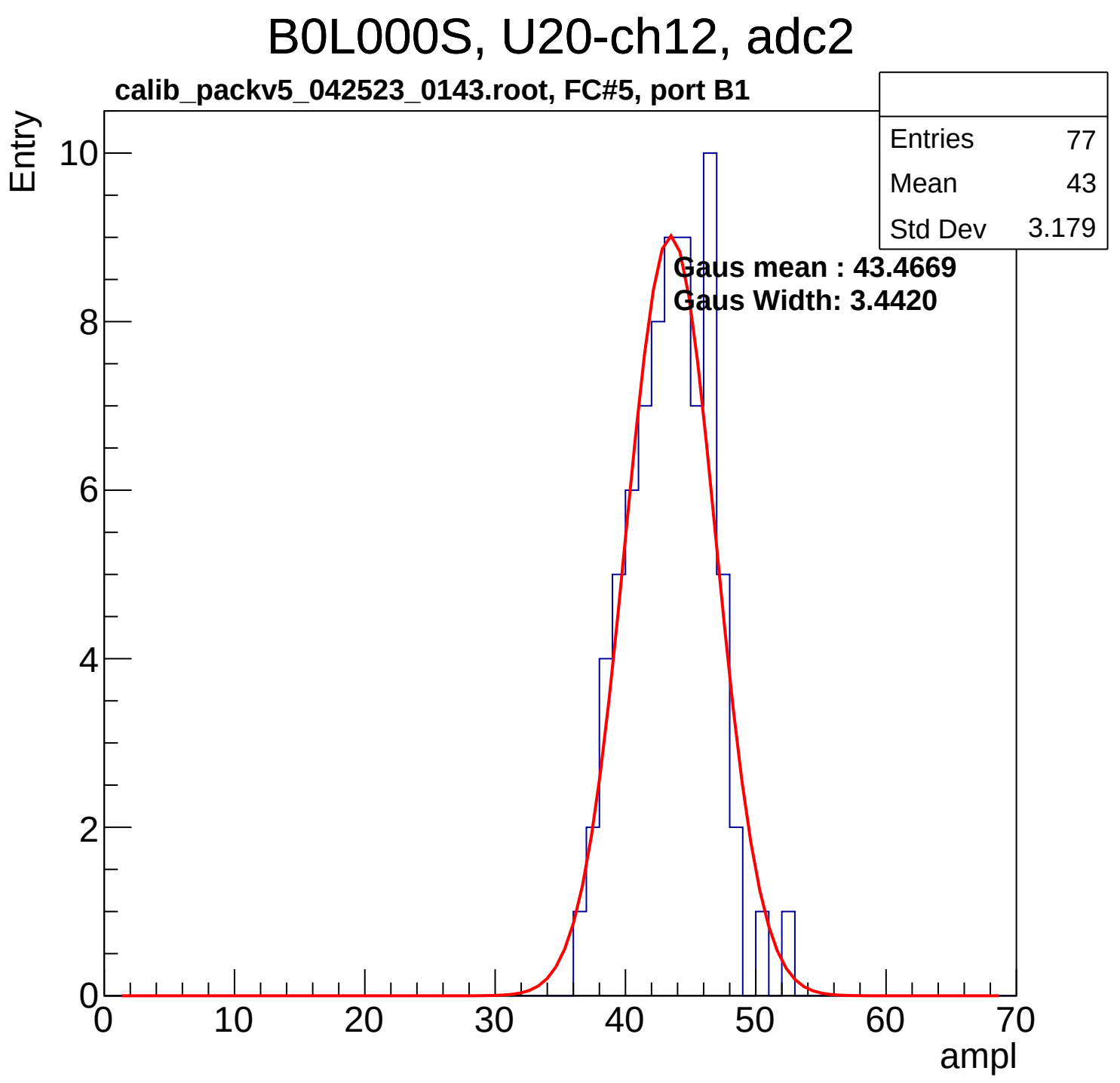
B0L000S, U20-ch12, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 43
Std Dev 3.179
Gaus mean : 43.4669
Gaus Width: 3.4420
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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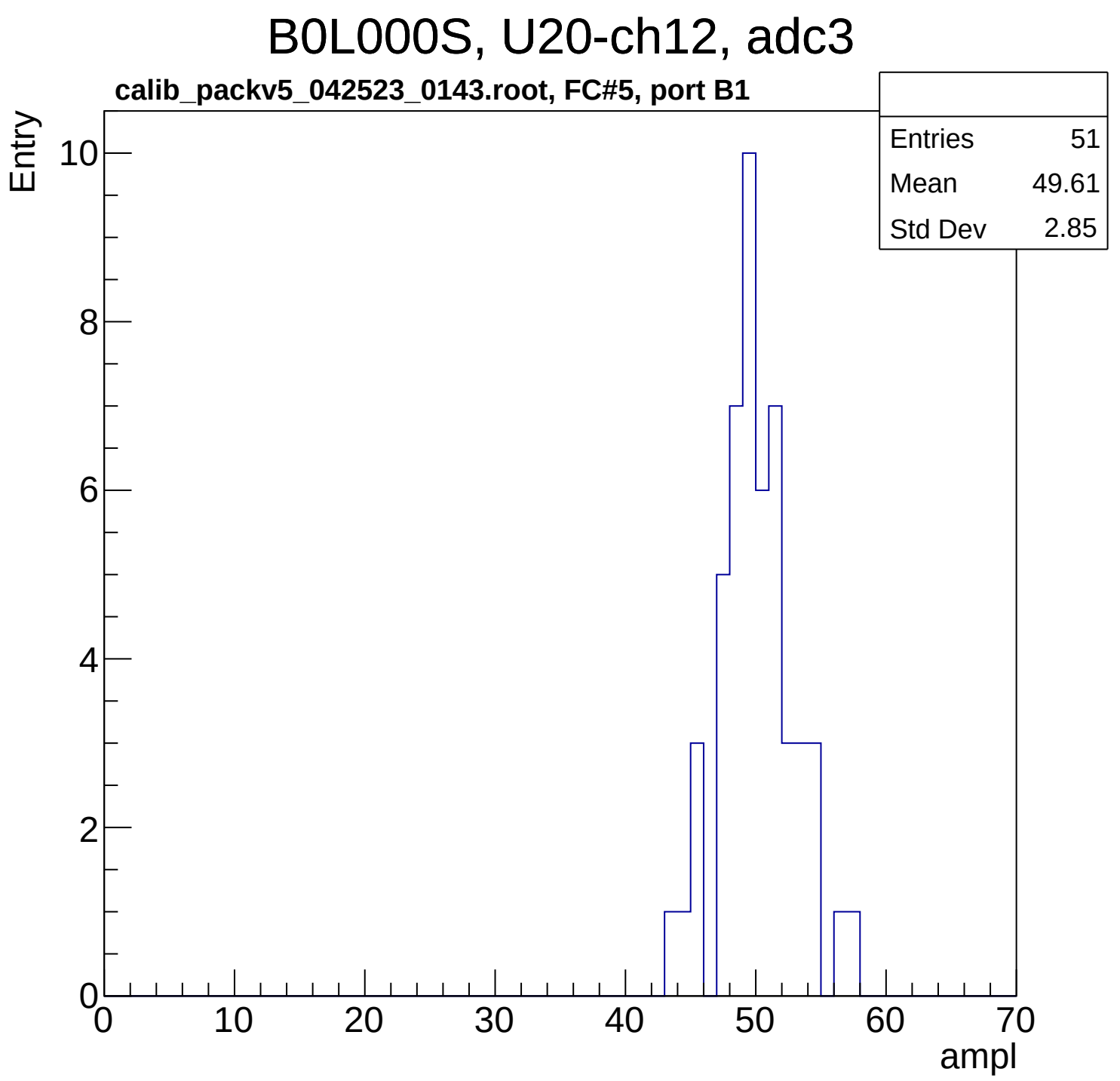
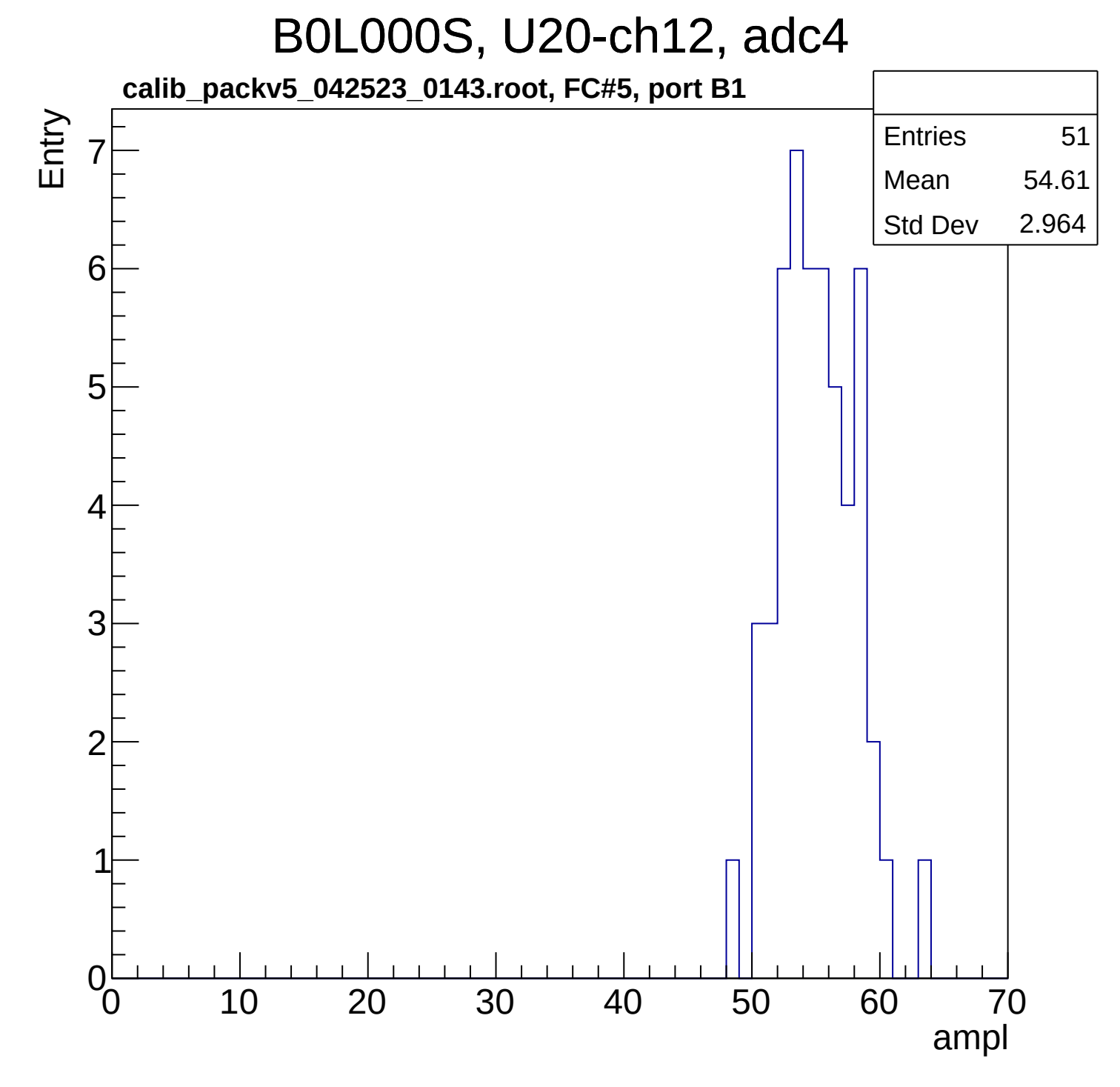
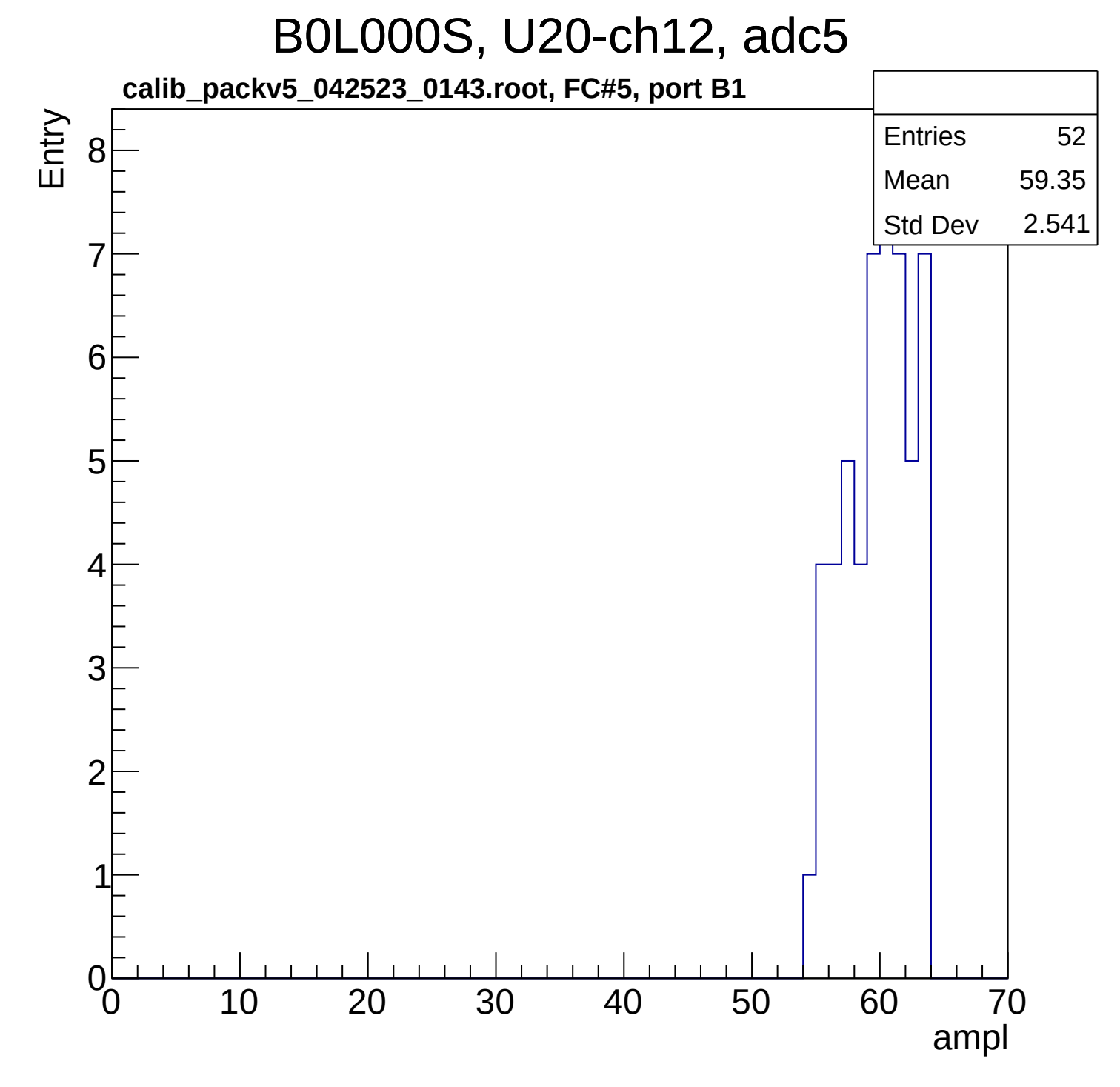
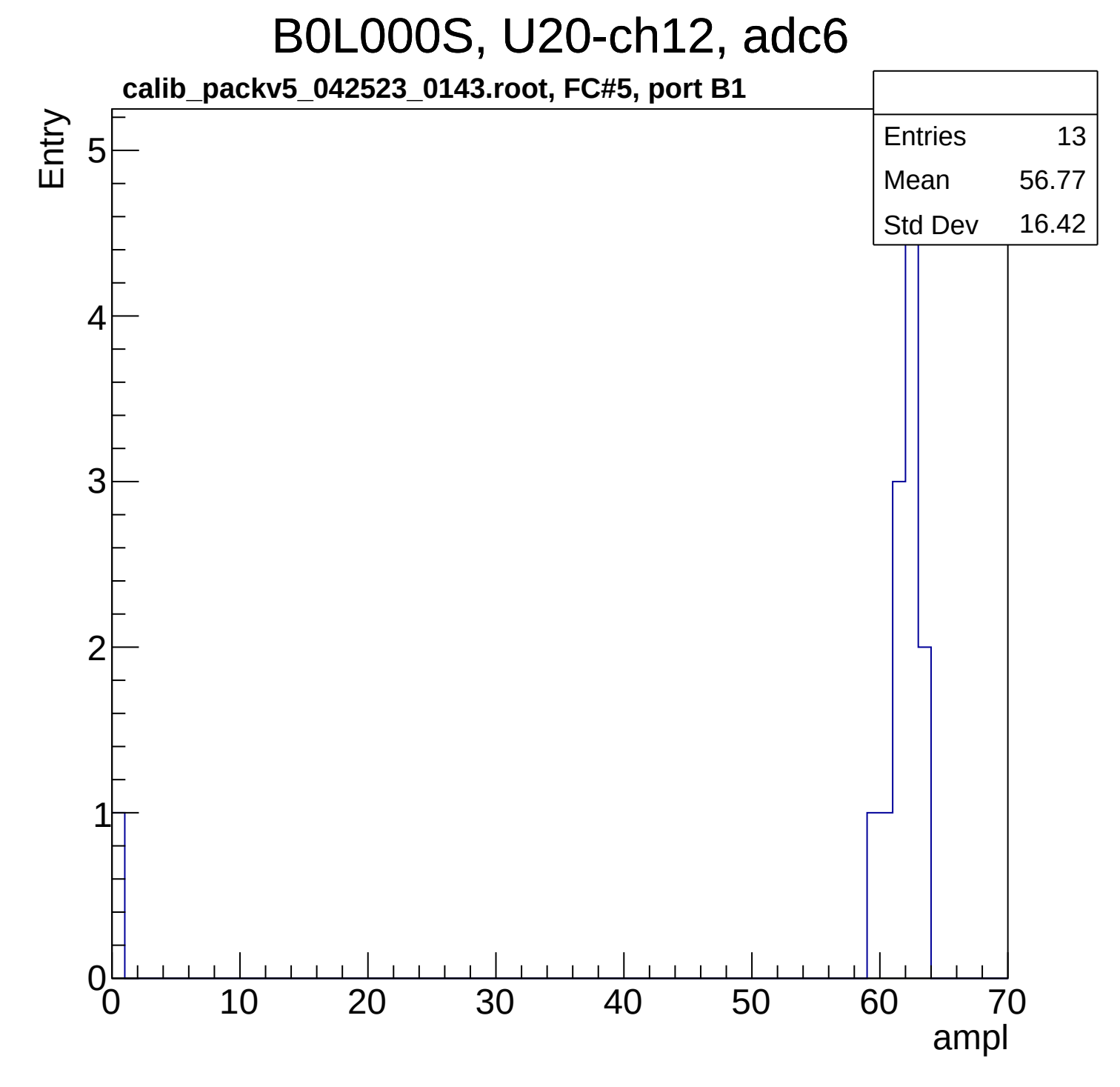
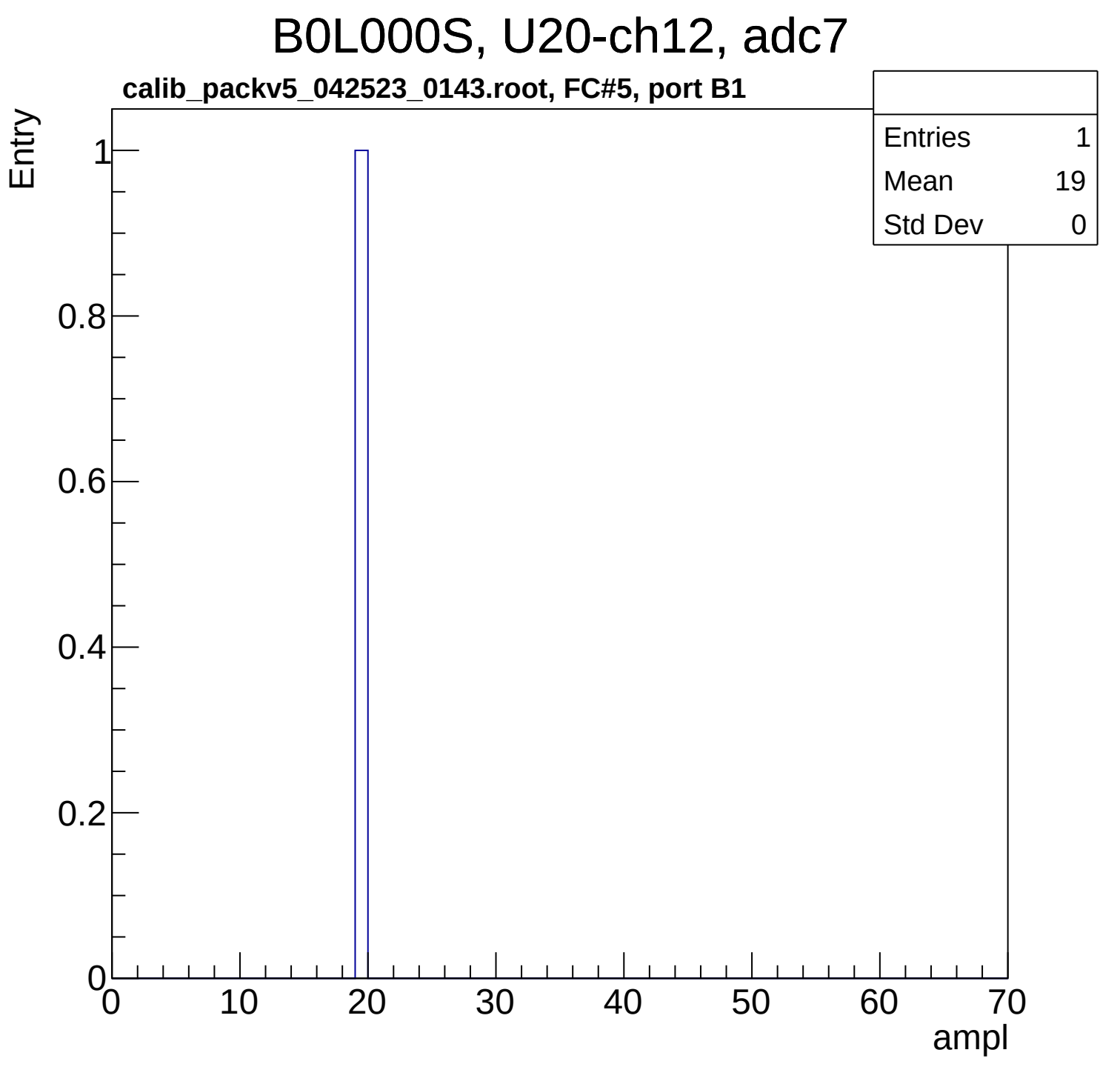

B0L000S, U20-ch12, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 49.61
Std Dev 2.85
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch12, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 54.61
Std Dev 2.964
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch12, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 59.35
Std Dev 2.541
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch12, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 56.77
Std Dev 16.42
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch12, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 19
Std Dev 0
Entry
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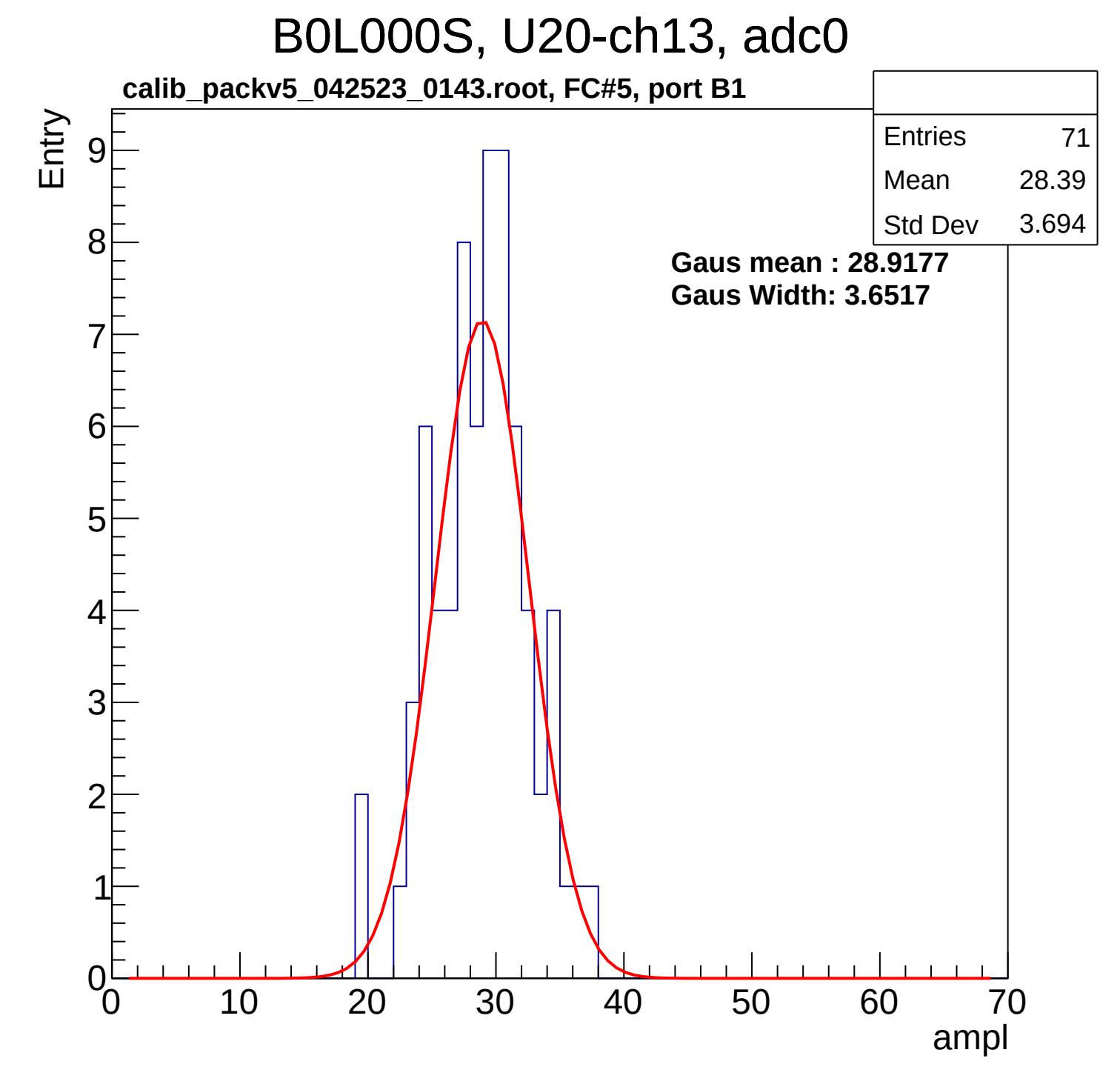
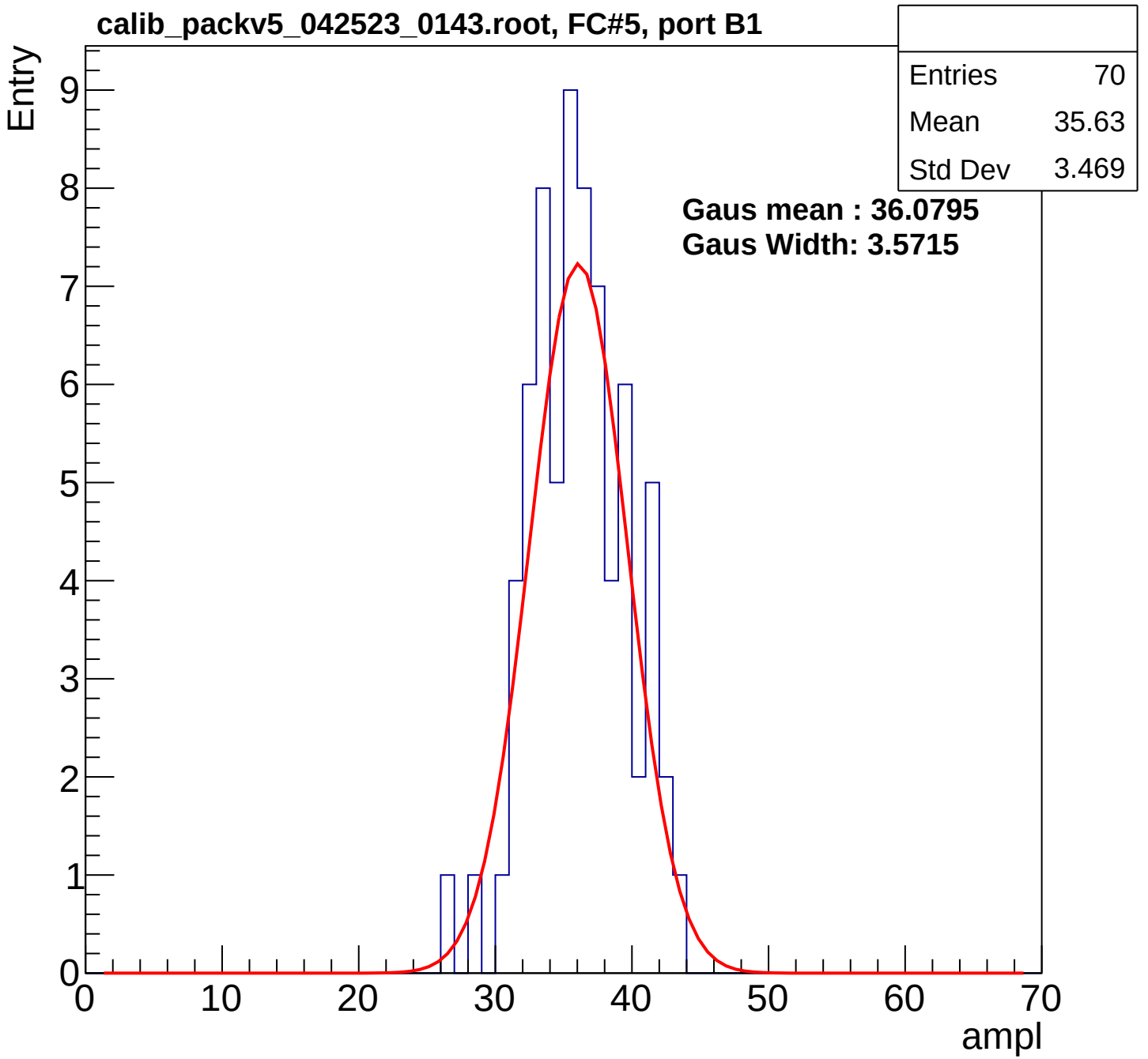
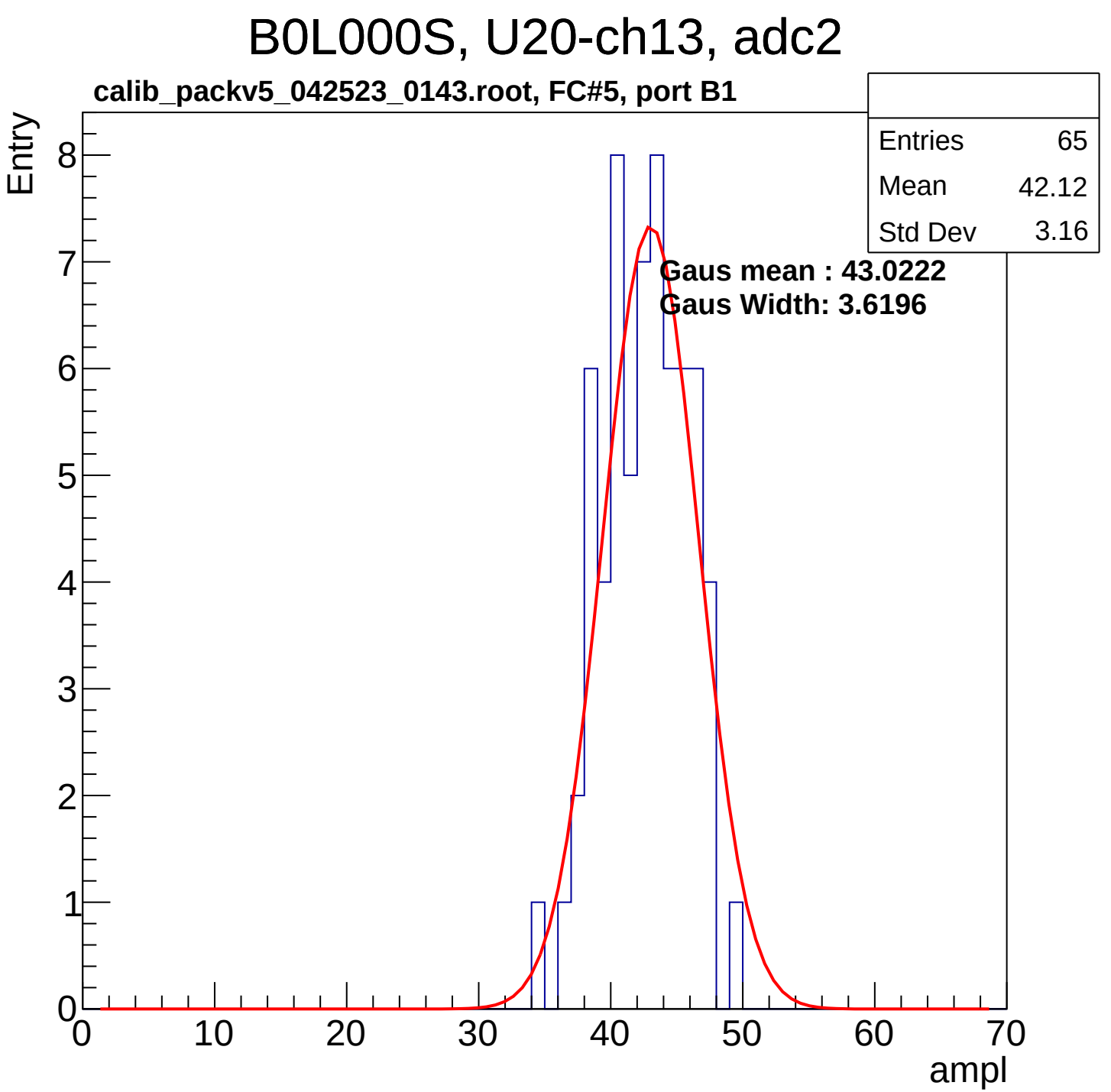
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch13, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 28.39
Std Dev 3.694
Gaus mean : 28.9177
Gaus Width: 3.6517
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch13, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 35.63
Std Dev 3.469
Gaus mean : 36.0795
Gaus Width: 3.5715
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch13, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 42.12
Std Dev 3.16
Gaus mean : 43.0222
Gaus Width: 3.6196
Entry
ampl
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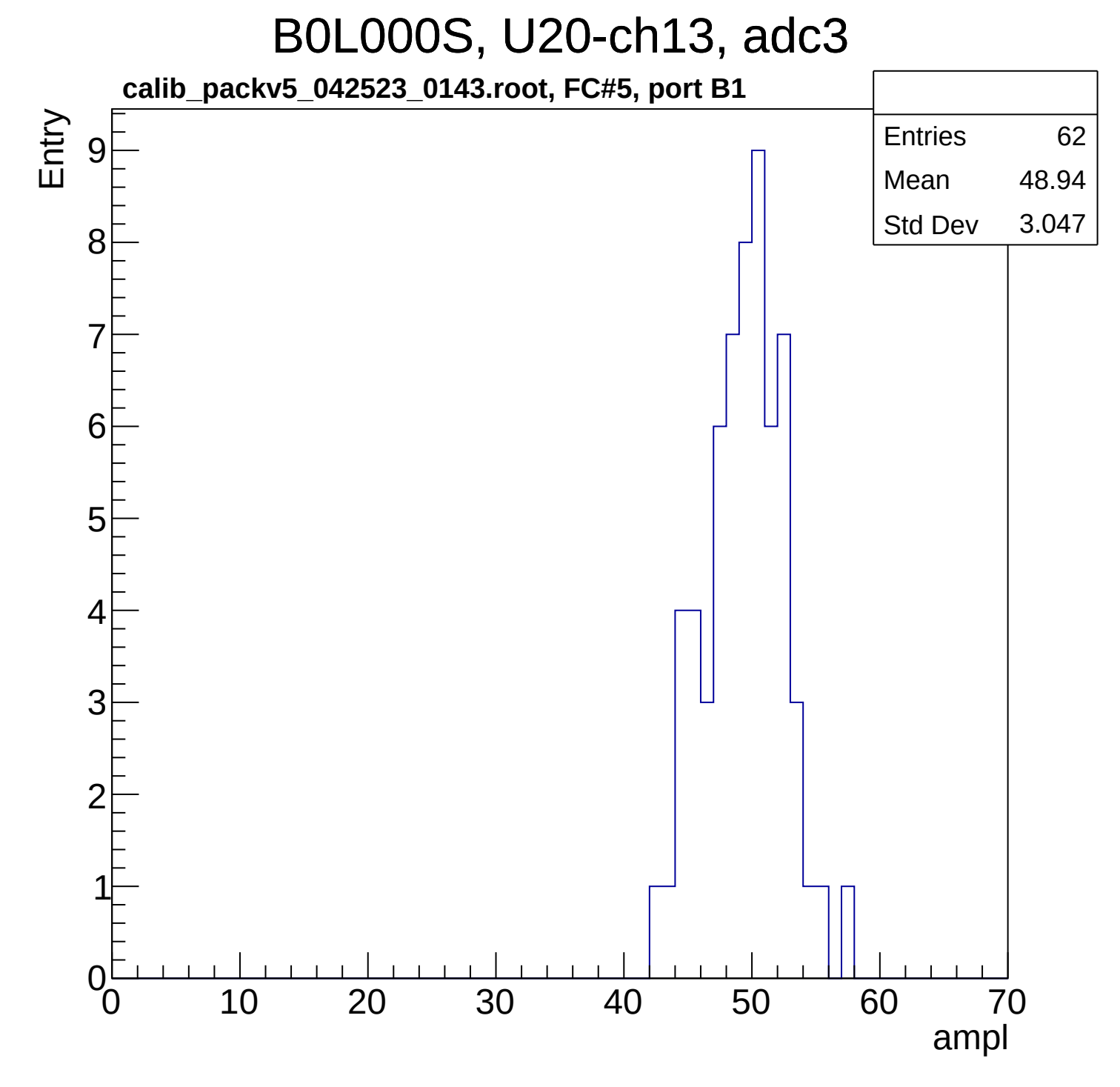
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch13, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 48.94
Std Dev 3.047
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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60
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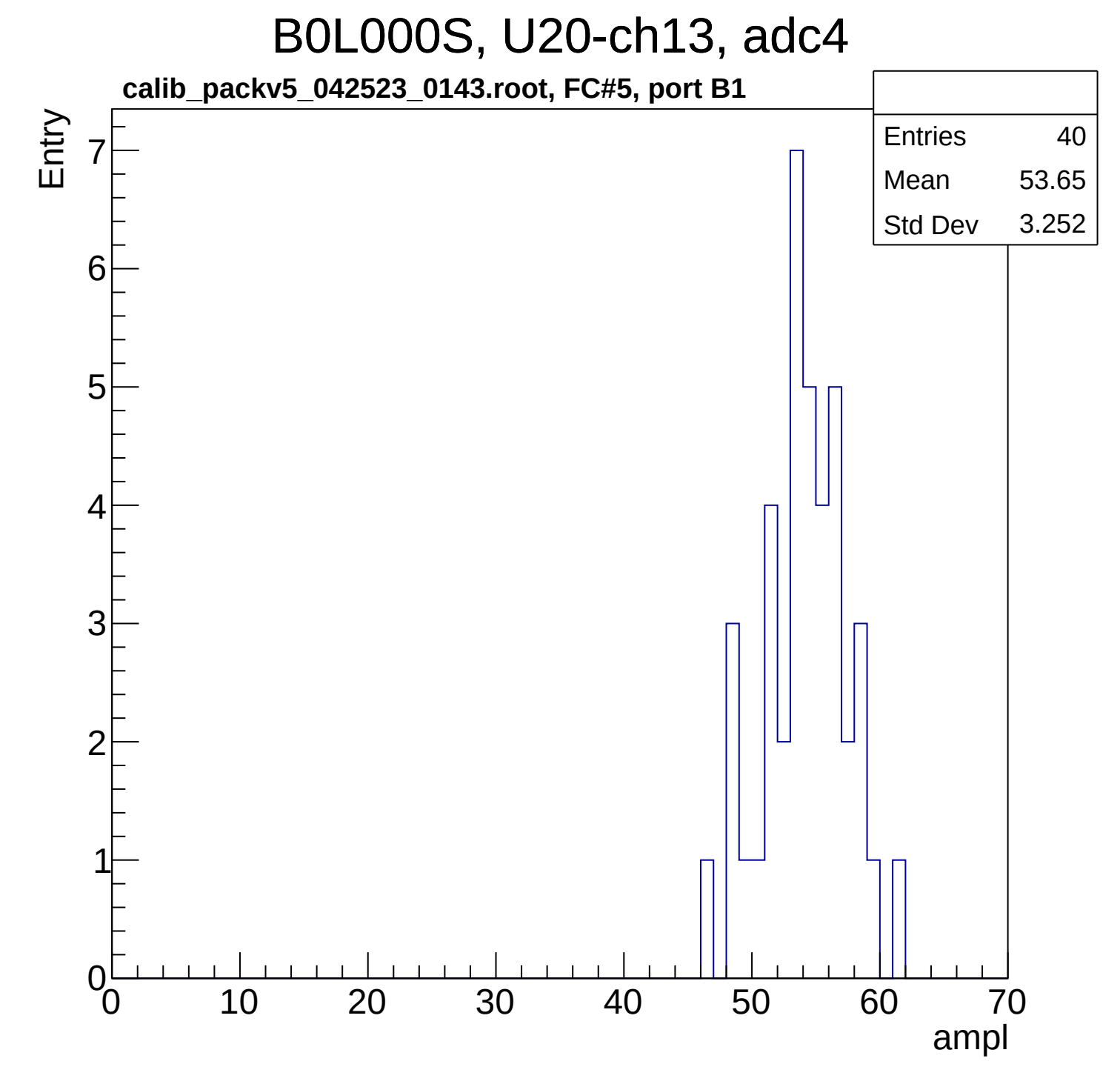
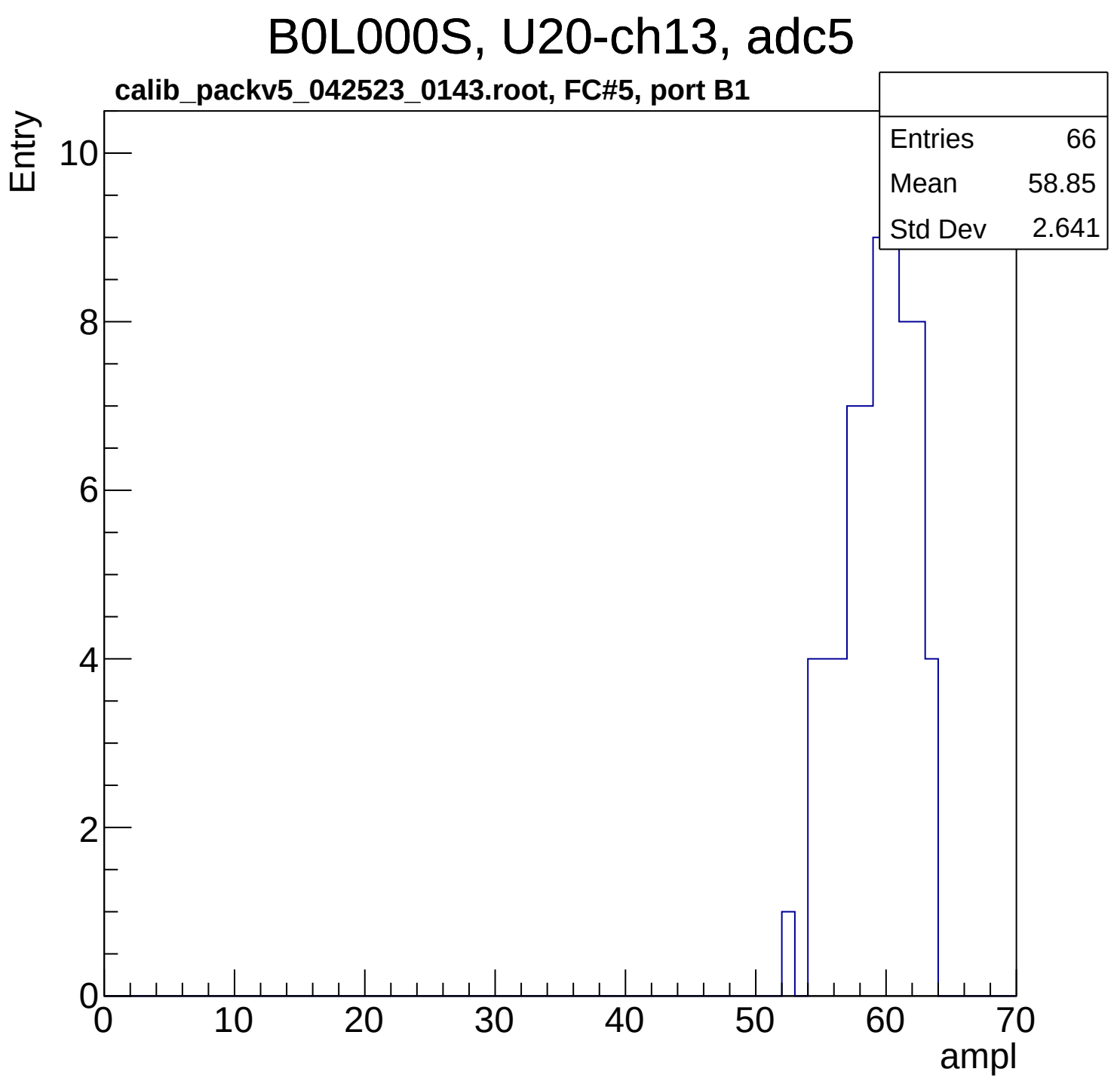

B0L000S, U20-ch13, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 40
Mean 53.65
Std Dev 3.252
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch13, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 58.85
Std Dev 2.641
Entry
ampl
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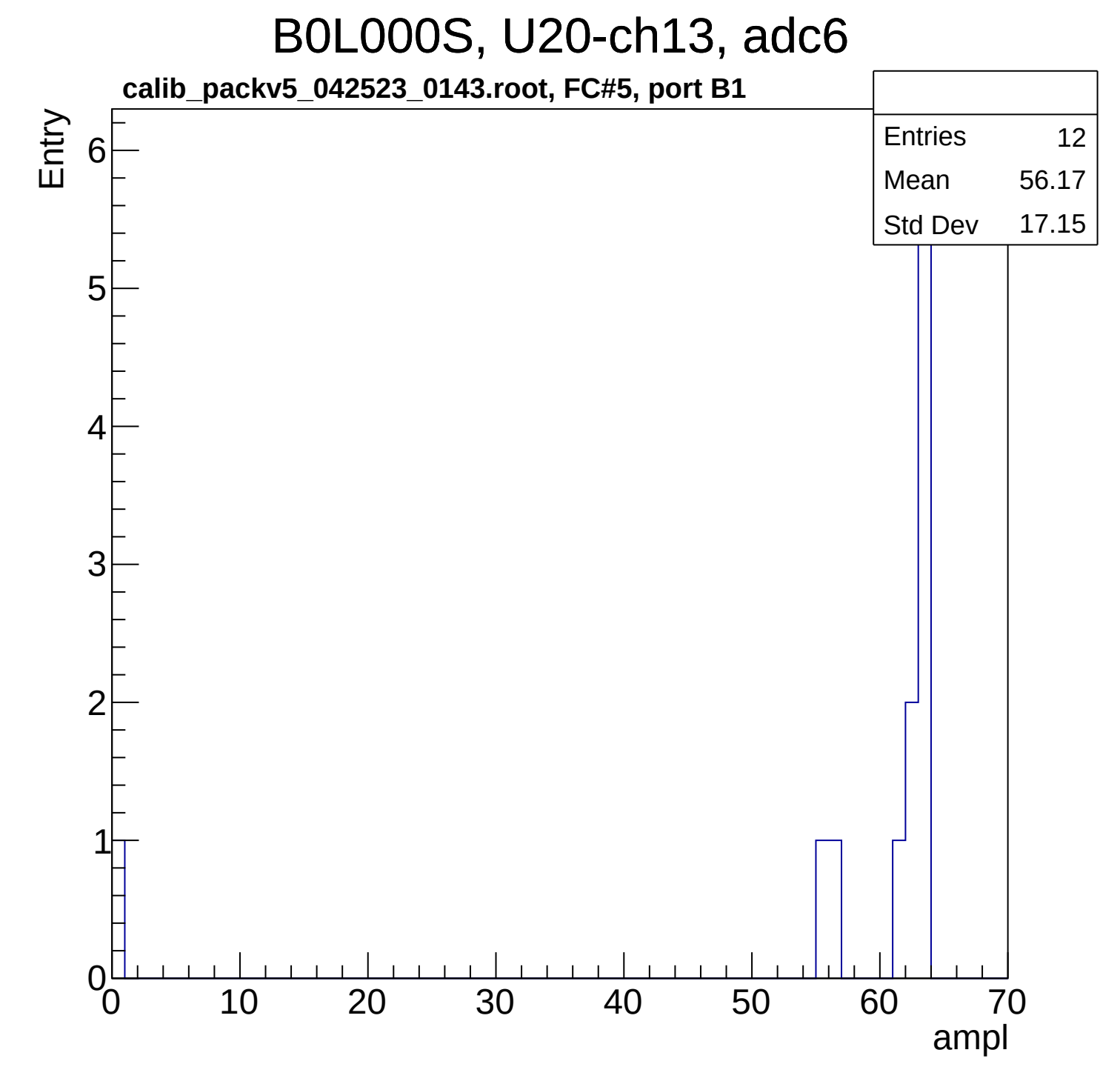
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch13, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 56.17
Std Dev 17.15
Entry
ampl
0
1
2
3
4
5
6
0
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20
30
40
50
60
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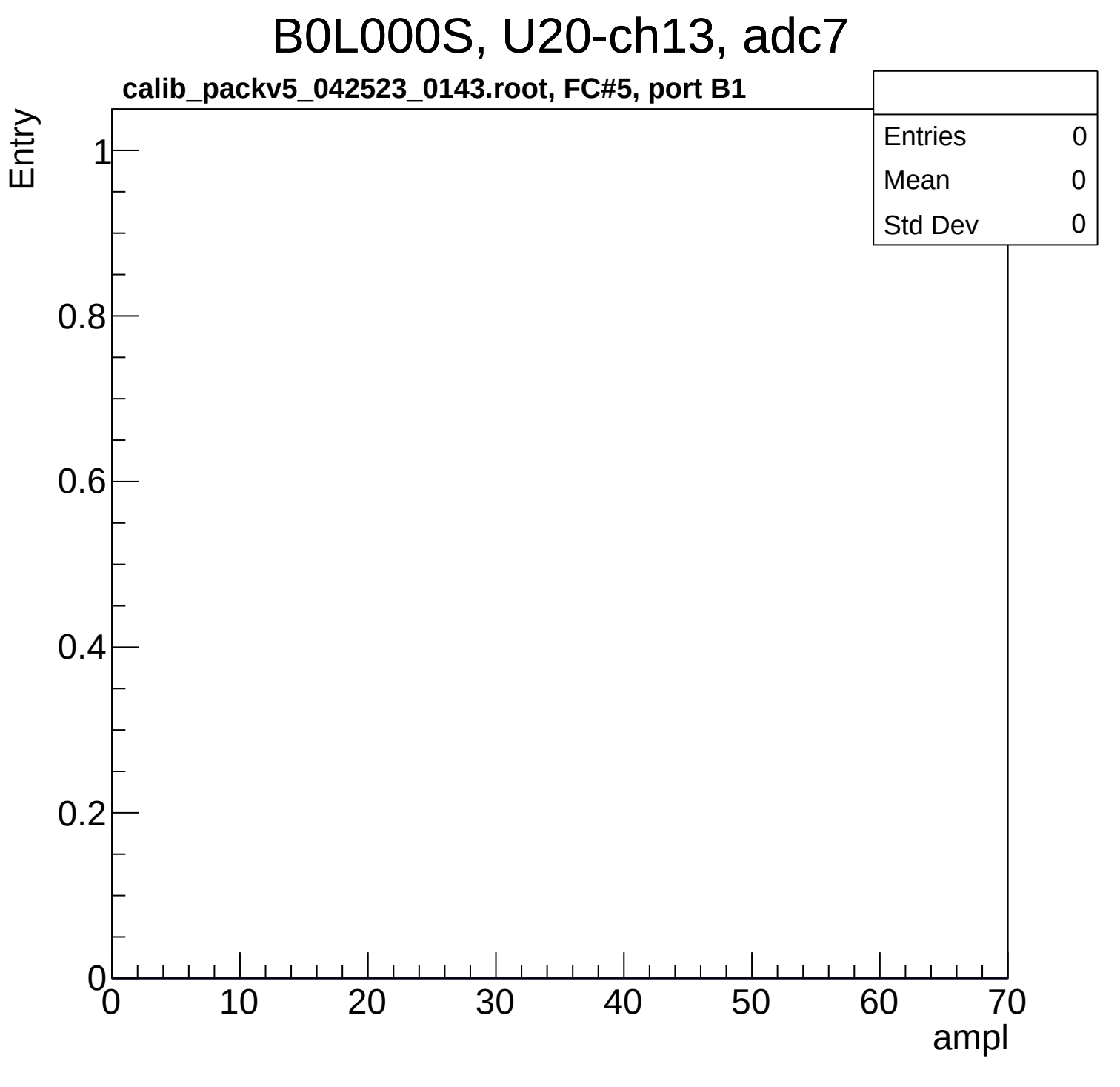
B0L000S, U20-ch13, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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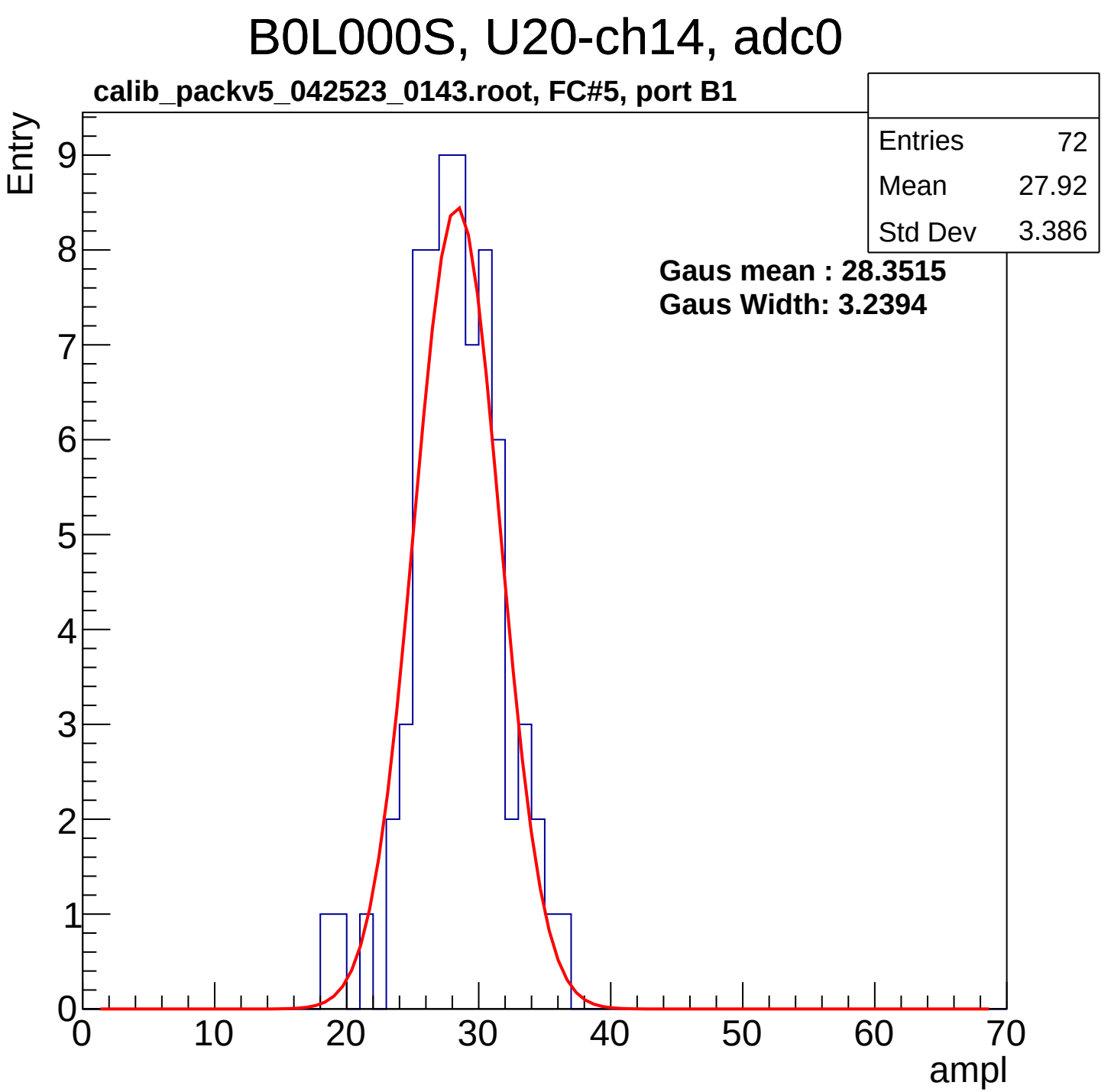
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch14, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 27.92
Std Dev 3.386
Gaus mean : 28.3515
Gaus Width: 3.2394
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
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40
50
60
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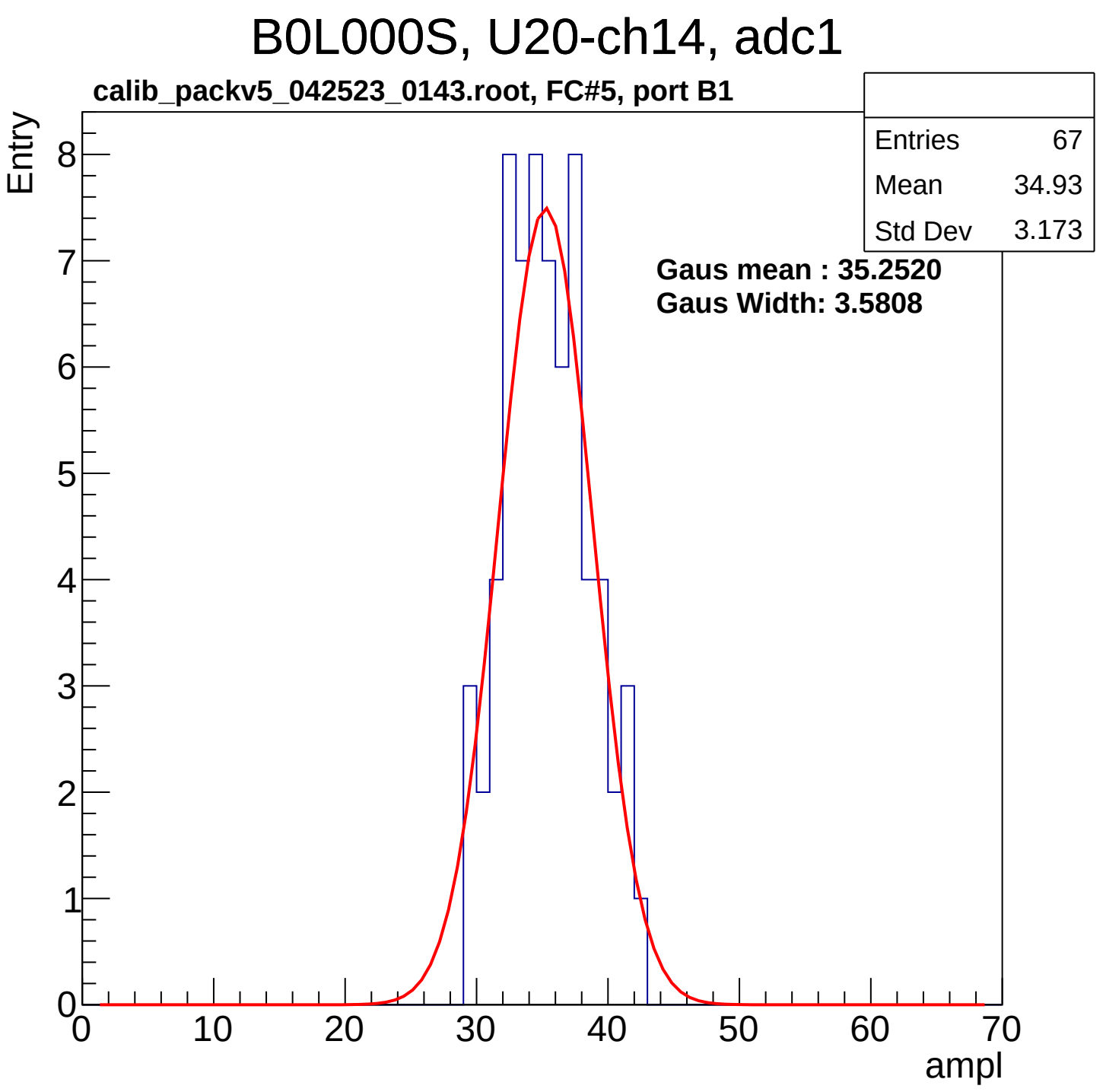
B0L000S, U20-ch14, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 34.93
Std Dev 3.173
Gaus mean : 35.2520
Gaus Width: 3.5808
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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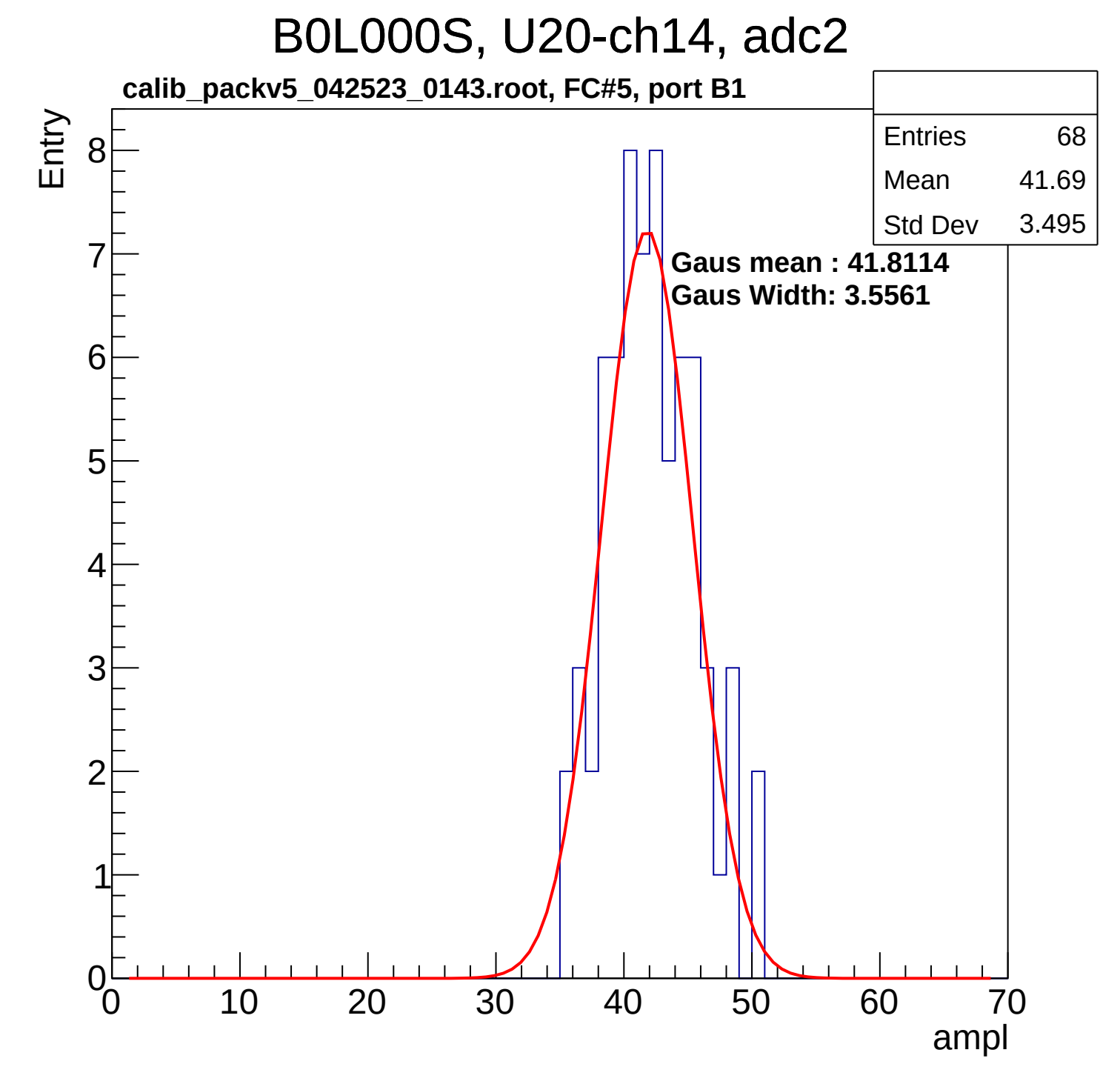
B0L000S, U20-ch14, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 41.69
Std Dev 3.495
Gaus mean : 41.8114
Gaus Width: 3.5561
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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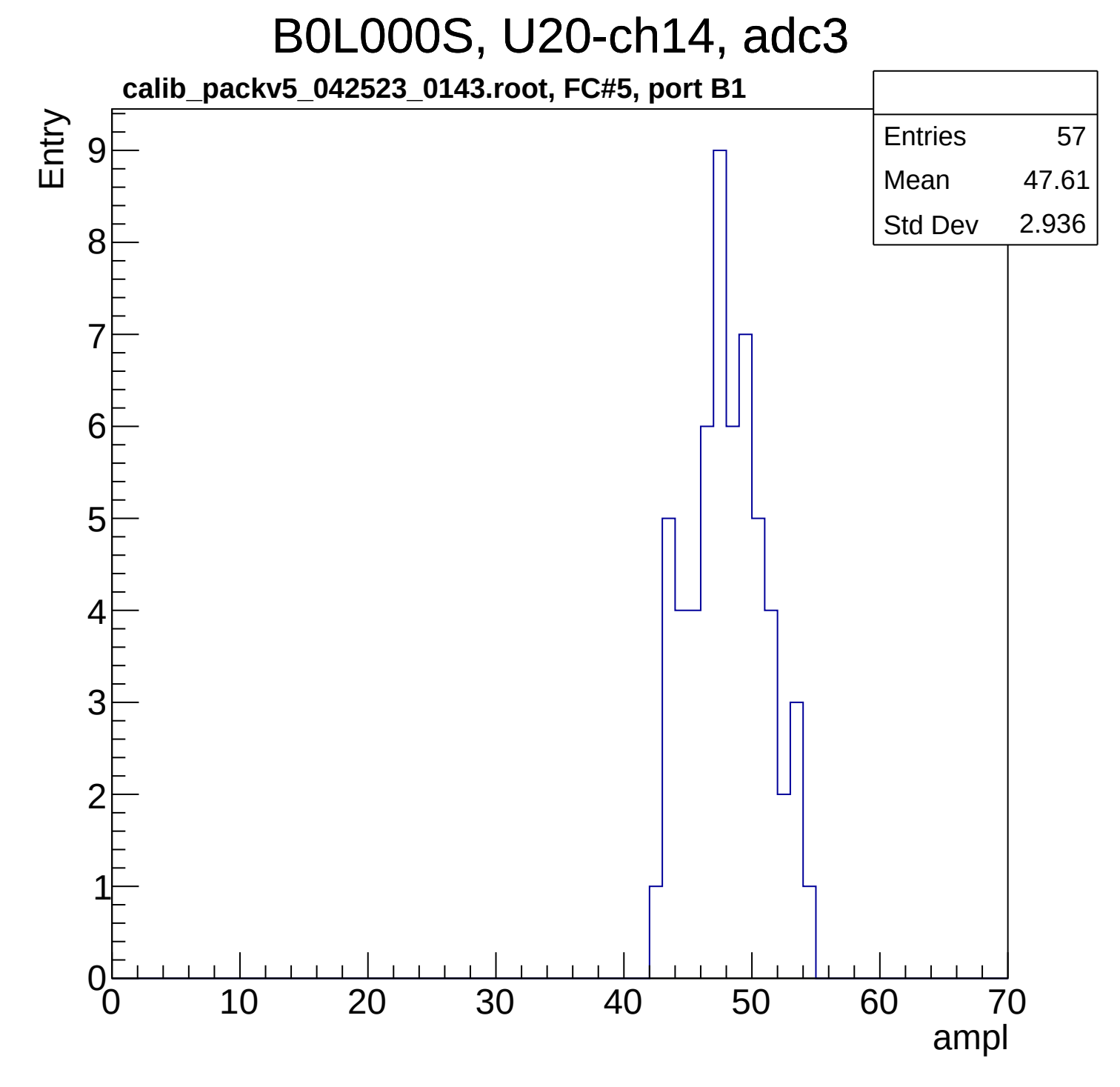
60
70


B0L000S, U20-ch14, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 47.61
Std Dev 2.936
Entry
ampl
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4
5
6
7
8
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0
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60
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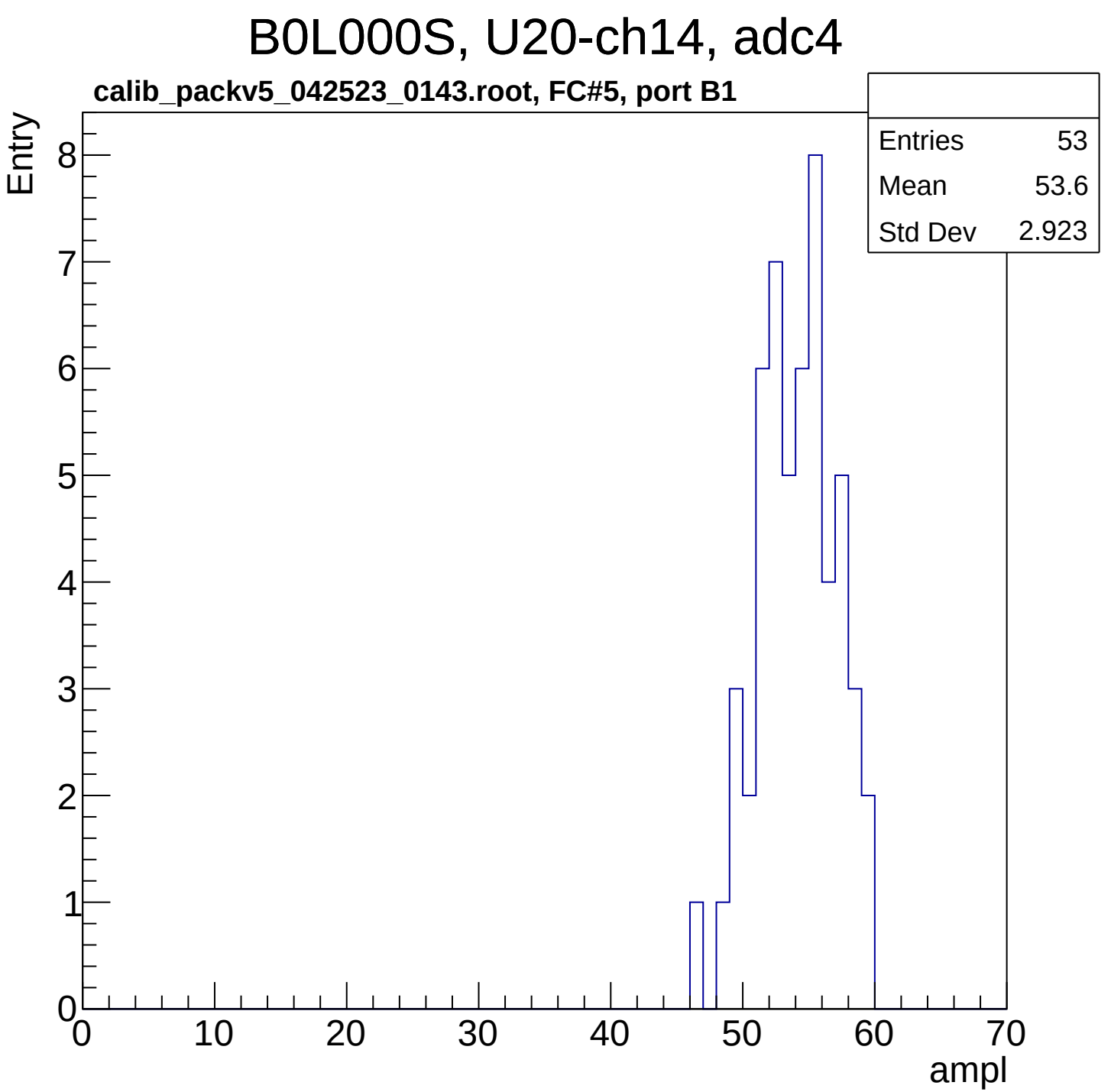
B0L000S, U20-ch14, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 53.6
Std Dev 2.923
Entry
ampl
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3
4
5
6
7
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0
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60
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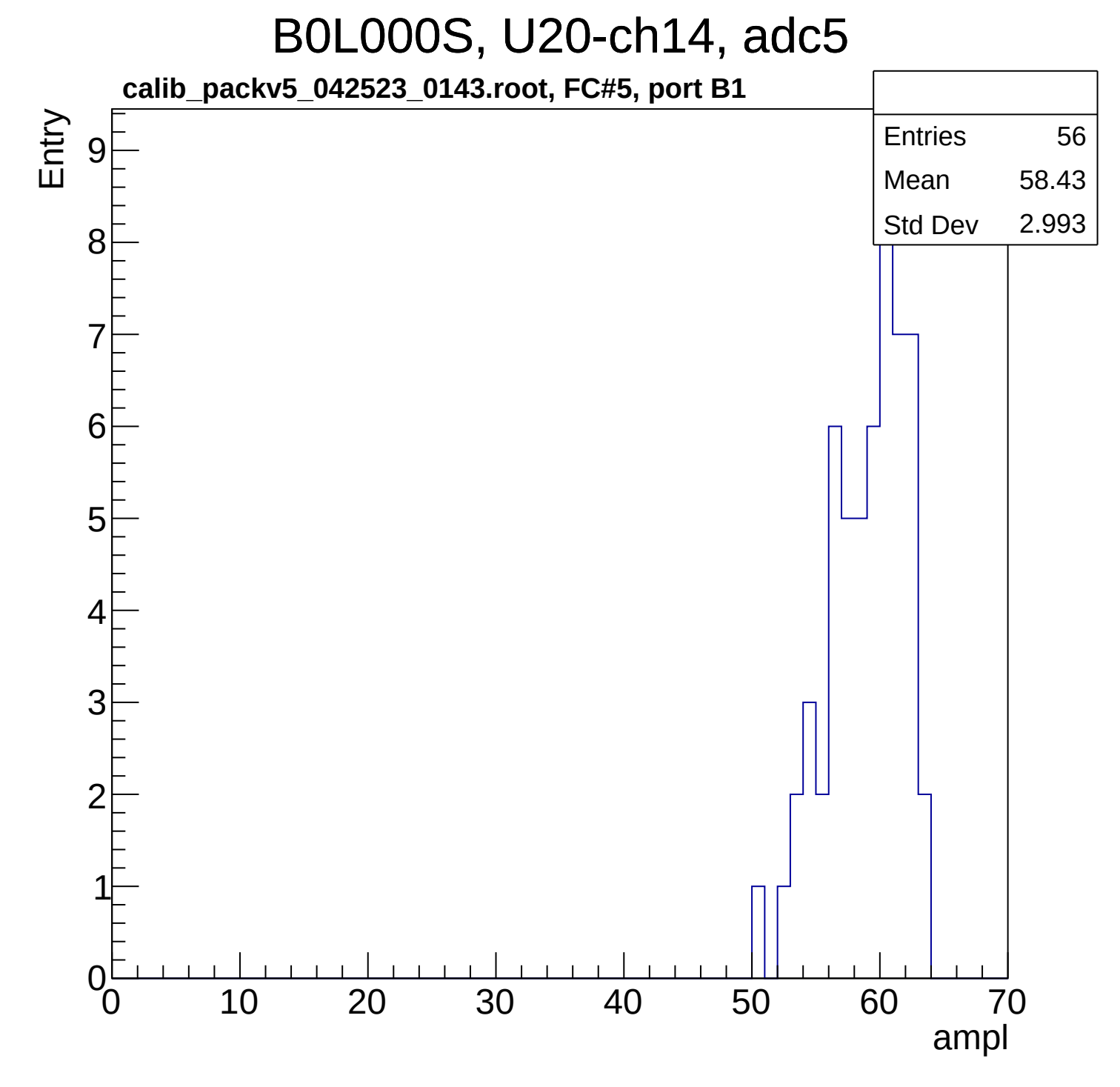
B0L000S, U20-ch14, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 58.43
Std Dev 2.993
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
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40
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60
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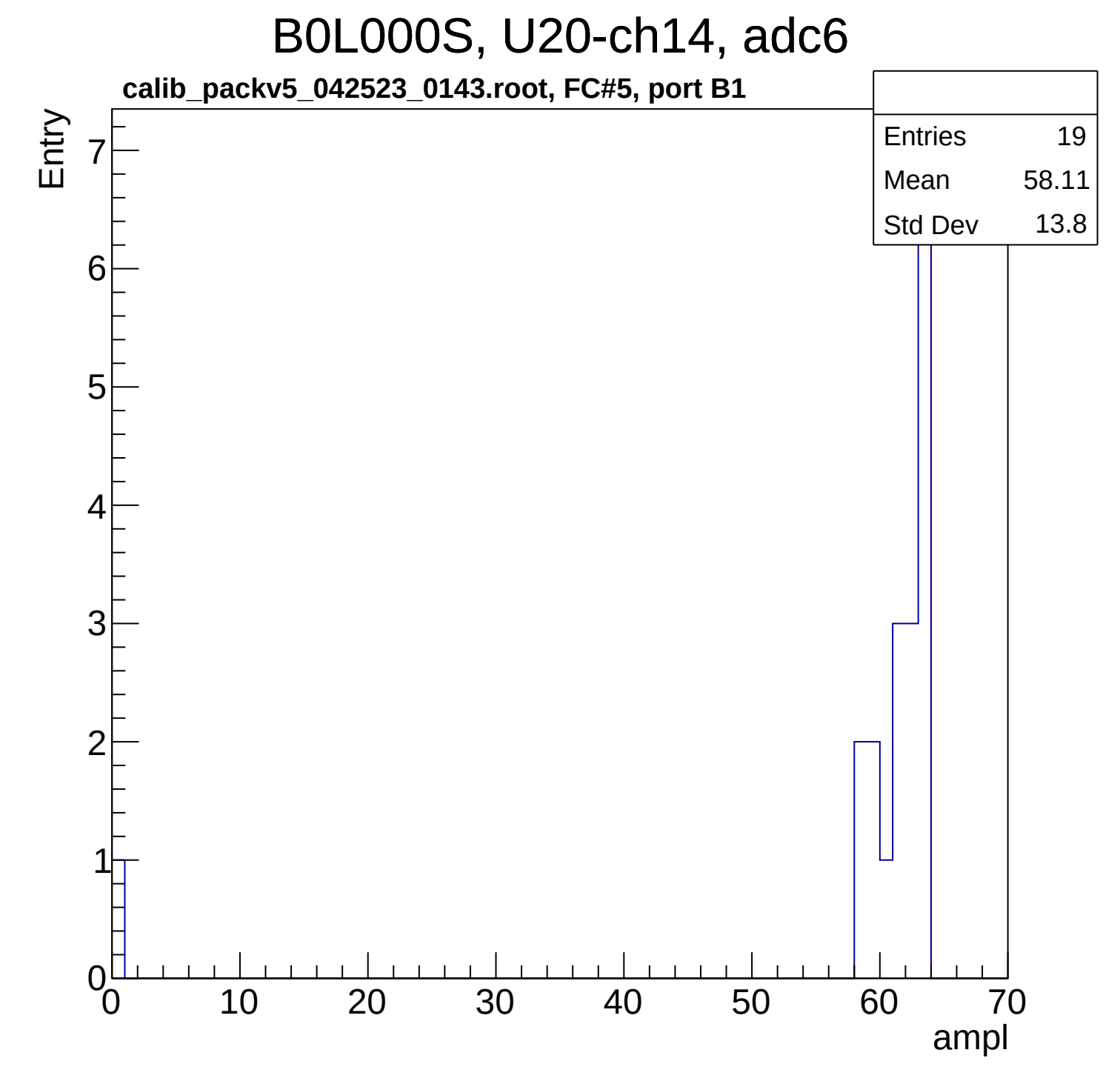
B0L000S, U20-ch14, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 19
Mean 58.11
Std Dev 13.8
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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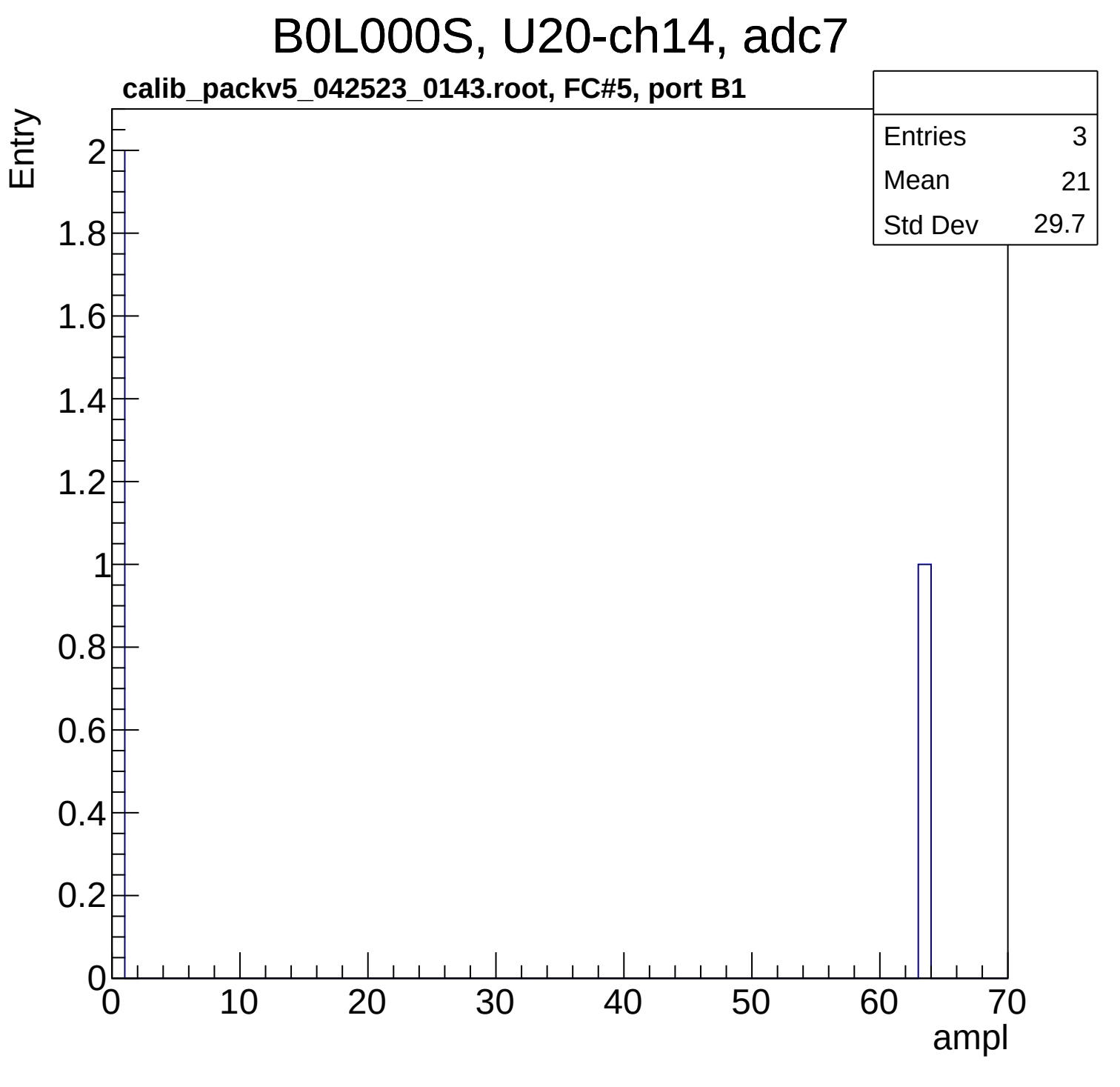
B0L000S, U20-ch14, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 21
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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40
50
60
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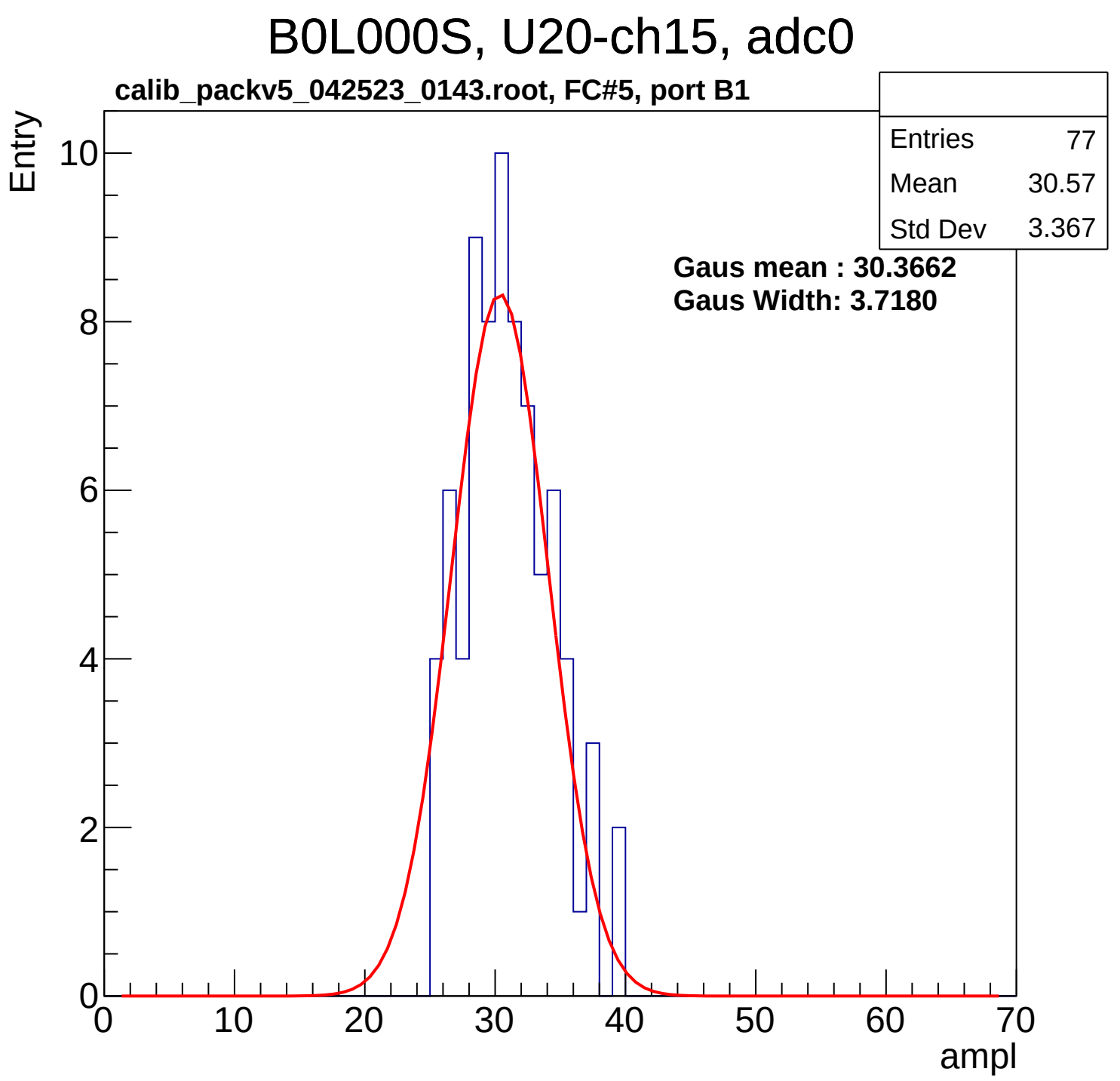
B0L000S, U20-ch15, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 30.57
Std Dev 3.367
Gaus mean : 30.3662
Gaus Width: 3.7180
Entry
ampl
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6
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0
10
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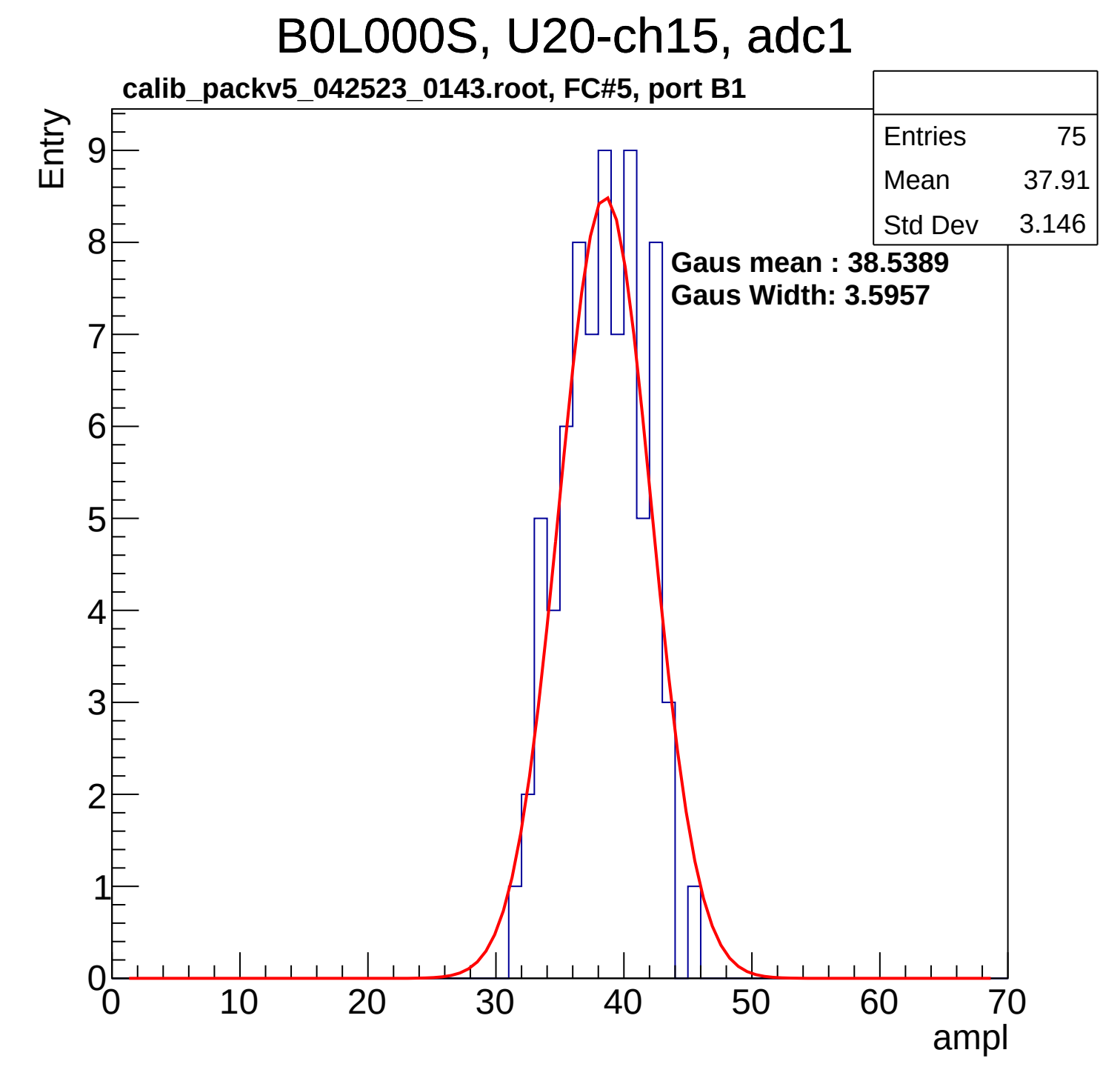
B0L000S, U20-ch15, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 37.91
Std Dev 3.146
Gaus mean : 38.5389
Gaus Width: 3.5957
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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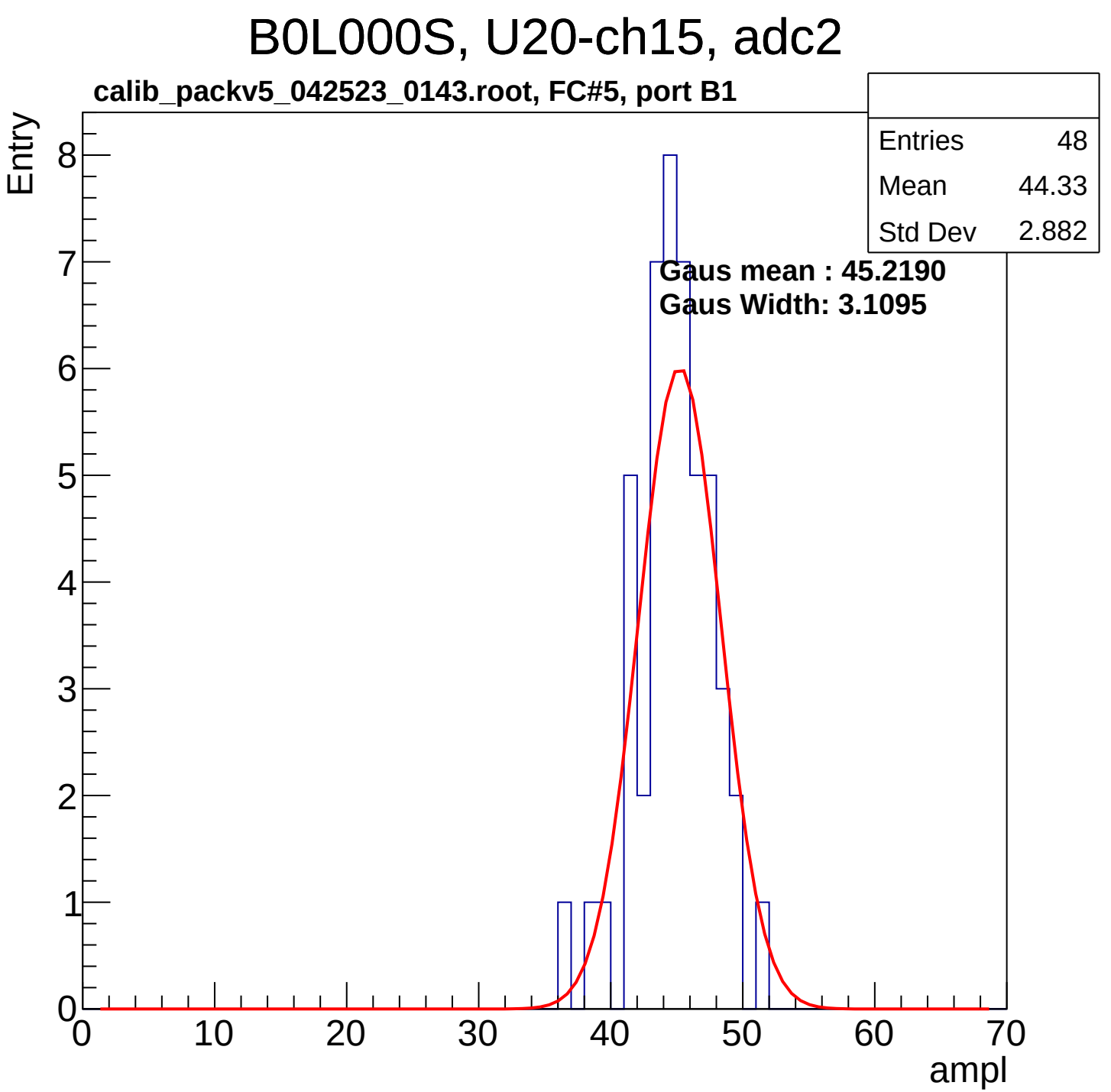
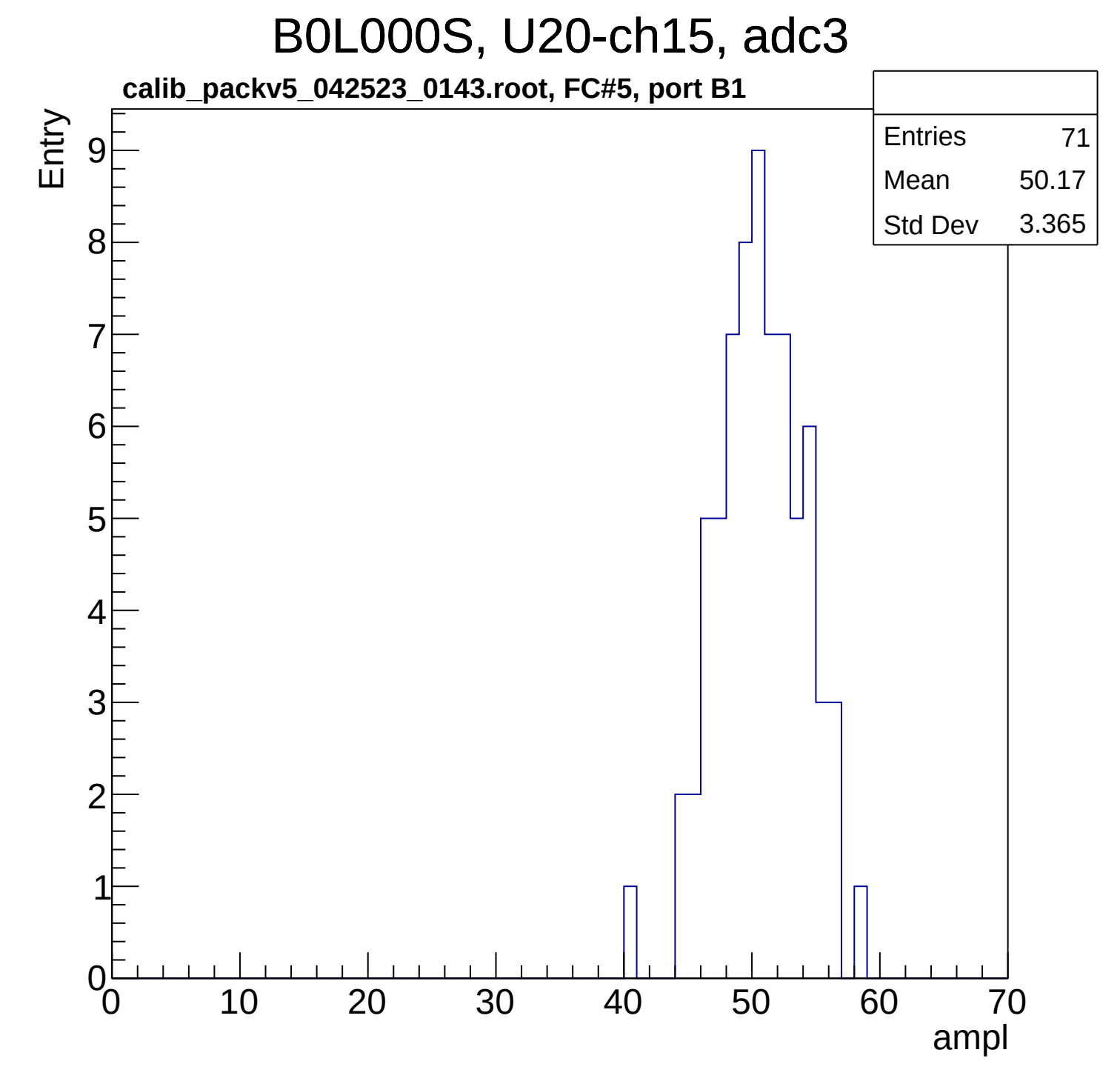

B0L000S, U20-ch15, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 44.33
Std Dev 2.882
Gaus mean : 45.2190
Gaus Width: 3.1095
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch15, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 50.17
Std Dev 3.365
Entry
ampl
0
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2
3
4
5
6
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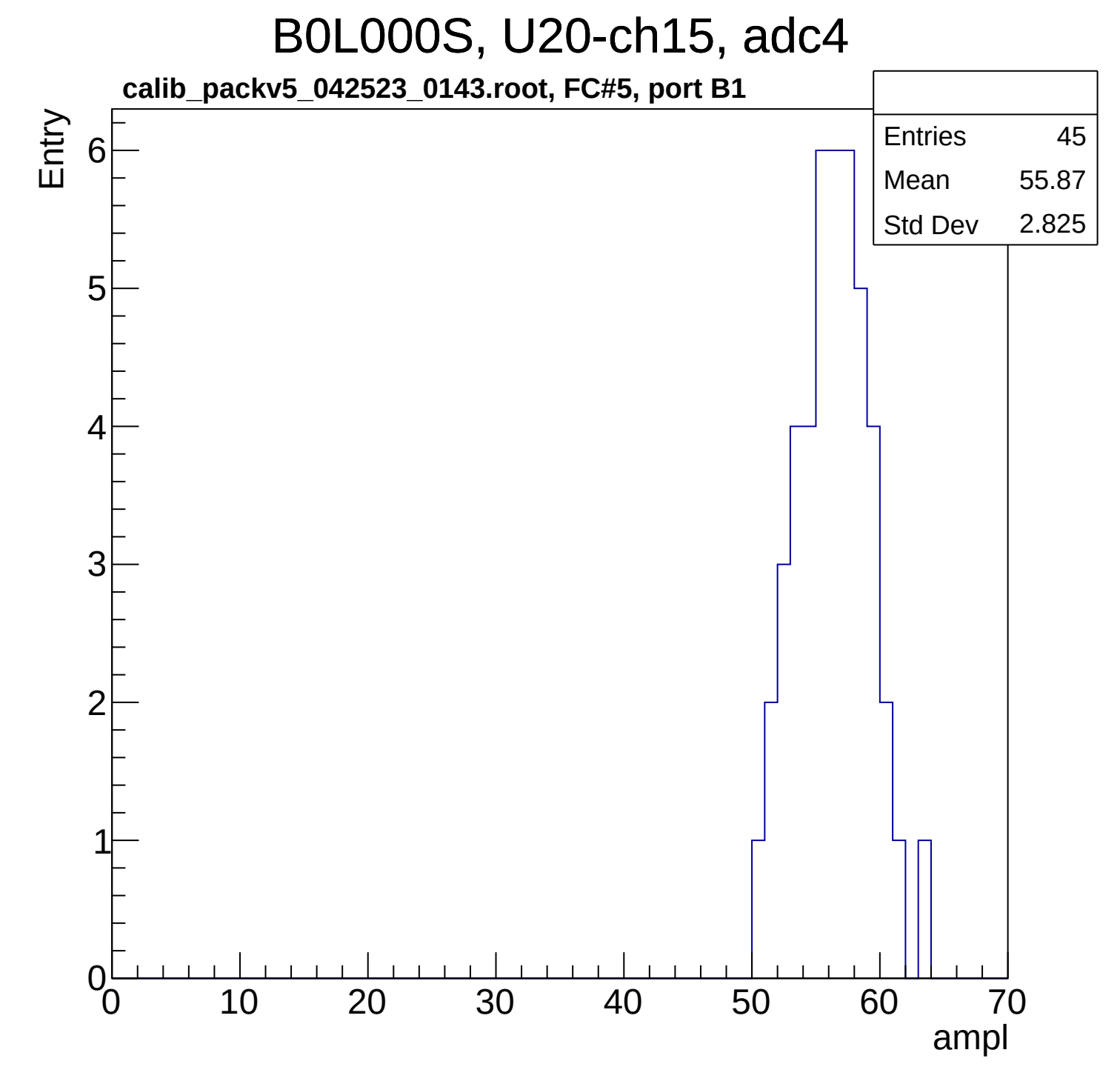
B0L000S, U20-ch15, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 55.87
Std Dev 2.825
Entry
0
1
2
3
4
5
6
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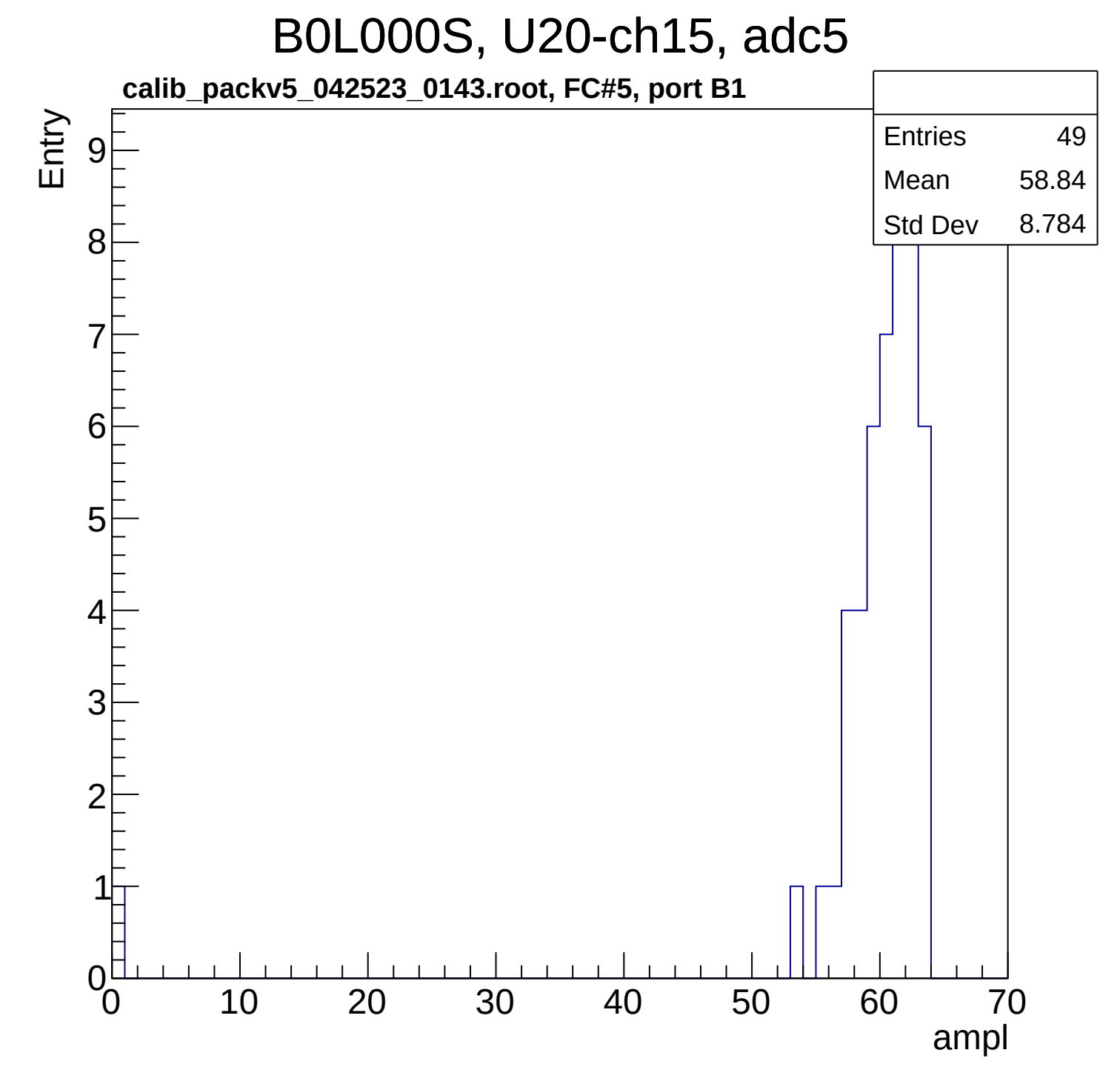
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch15, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.84
Std Dev 8.784
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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60
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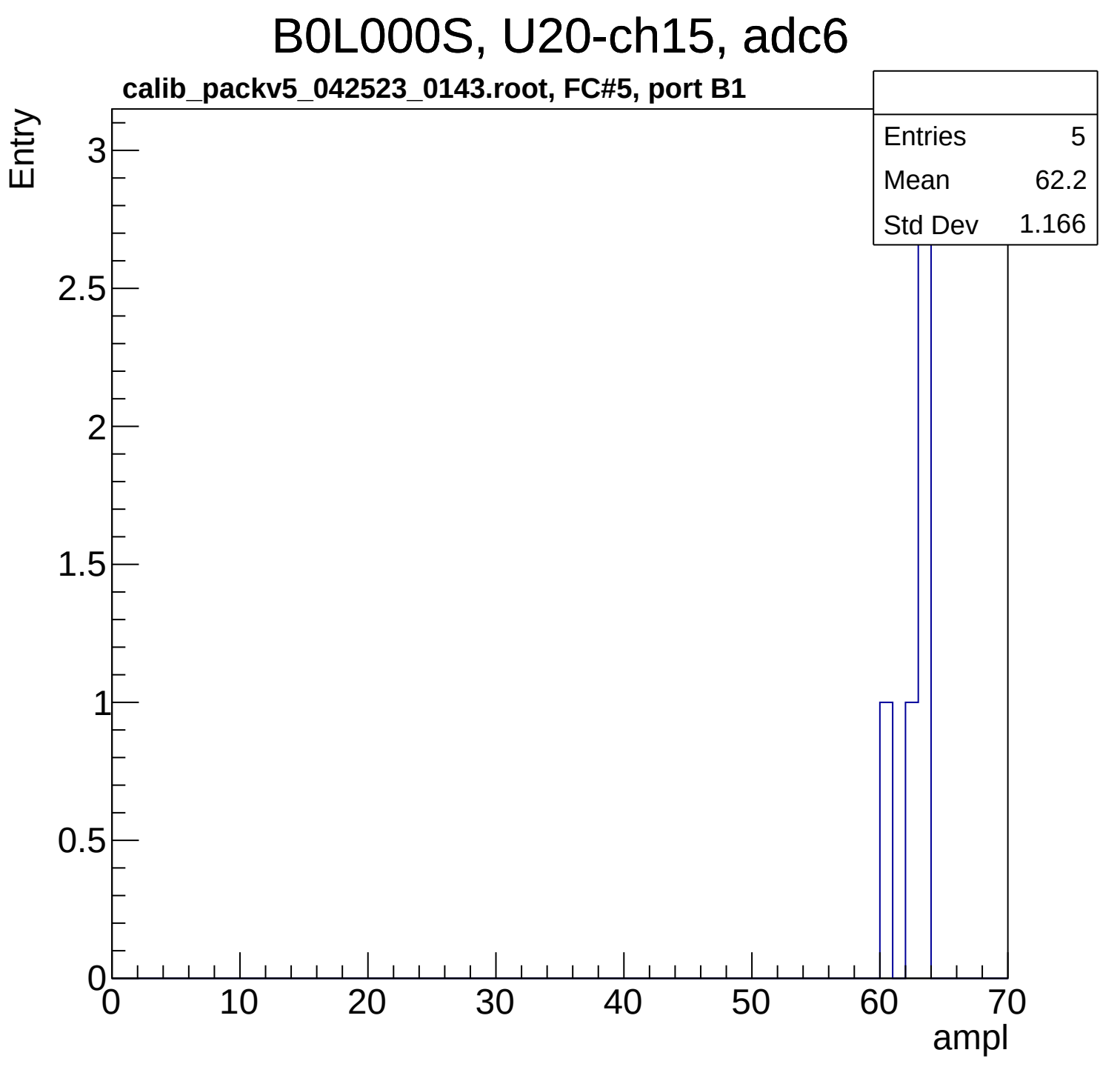
B0L000S, U20-ch15, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 62.2
Std Dev 1.166
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
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60
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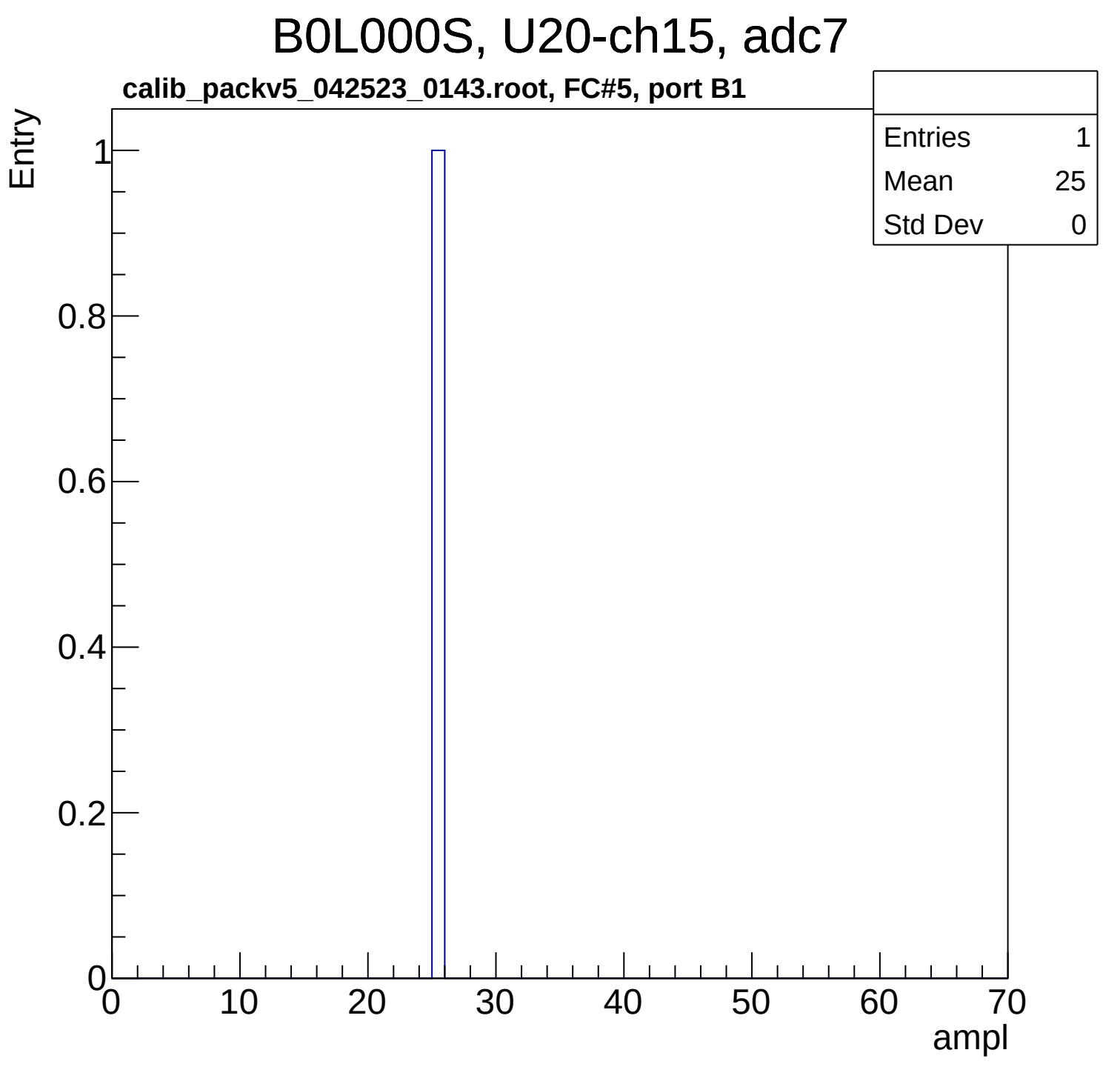
B0L000S, U20-ch15, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 25
Std Dev 0
Entry
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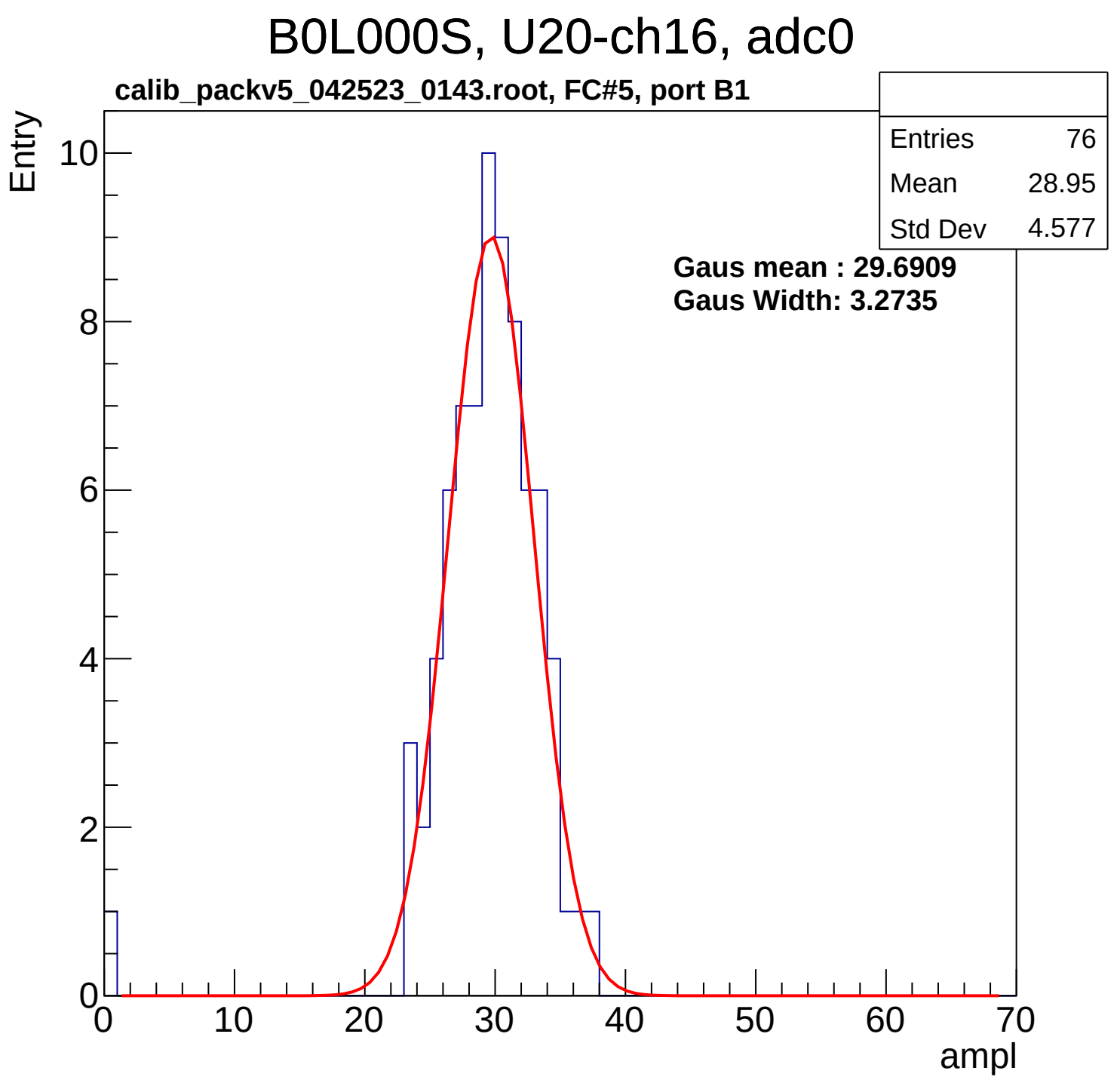
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch16, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 28.95
Std Dev 4.577
Gaus mean : 29.6909
Gaus Width: 3.2735
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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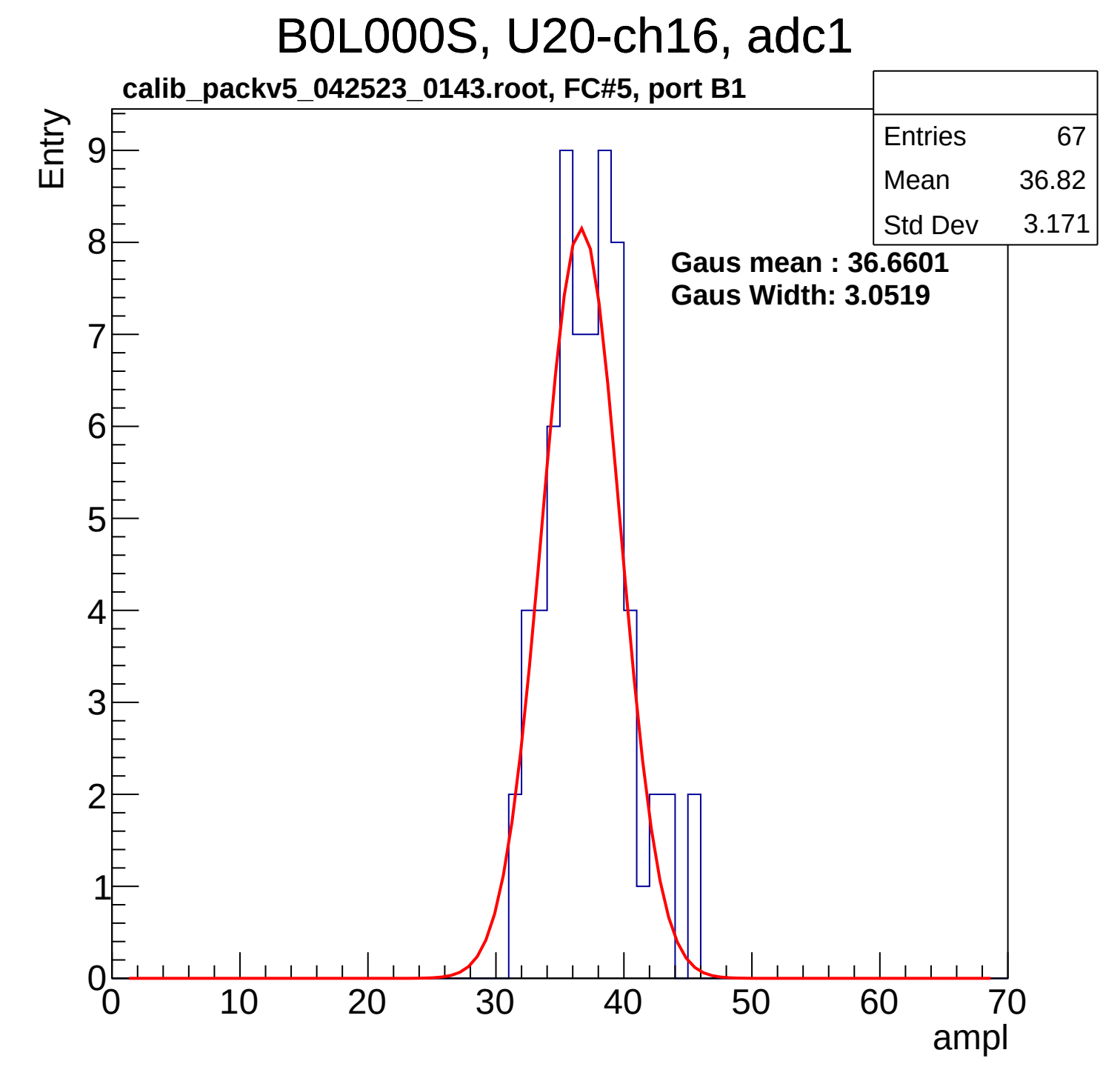
B0L000S, U20-ch16, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 36.82
Std Dev 3.171
Gaus mean : 36.6601
Gaus Width: 3.0519
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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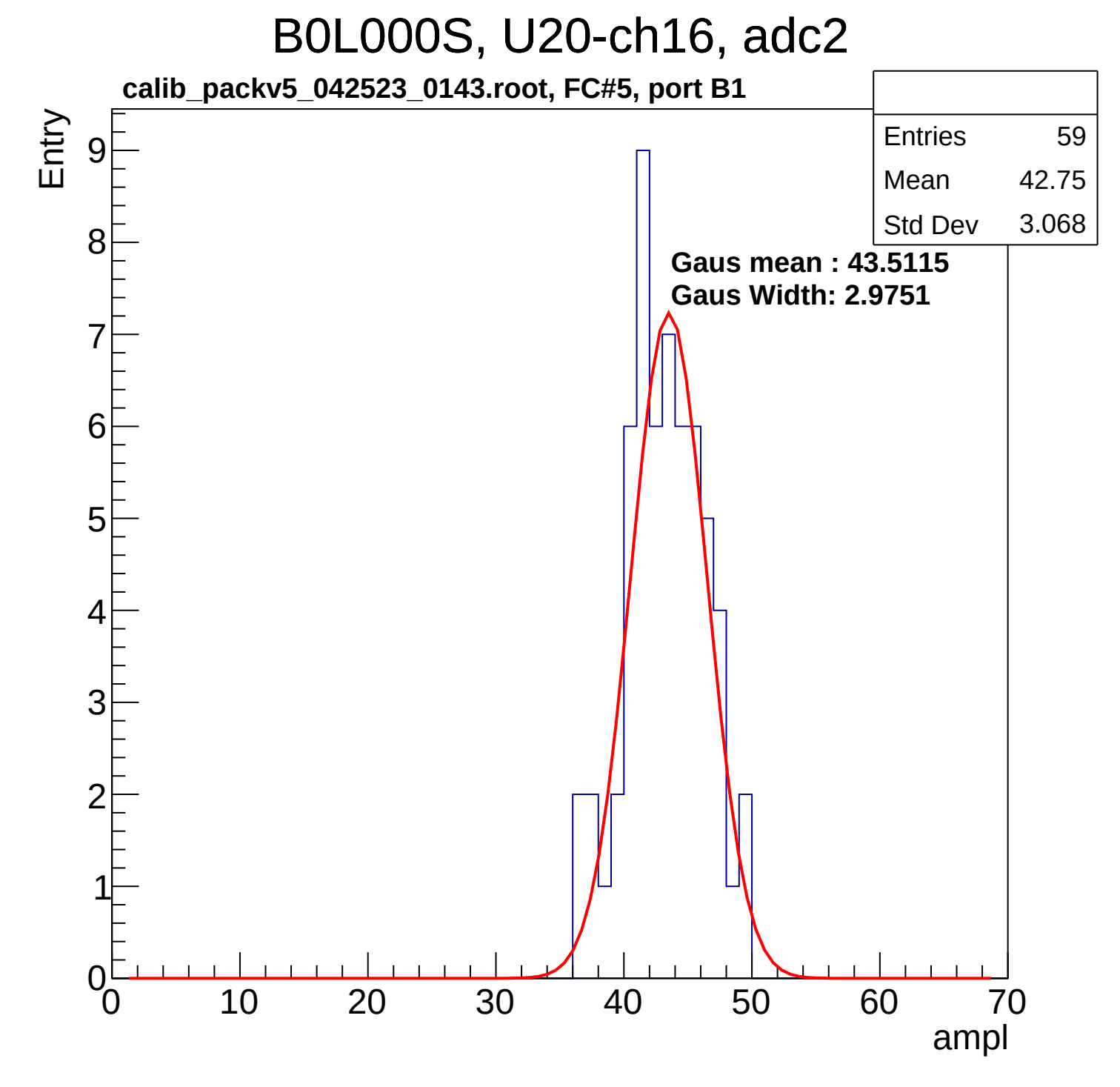
B0L000S, U20-ch16, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 42.75
Std Dev 3.068
Gaus mean : 43.5115
Gaus Width: 2.9751
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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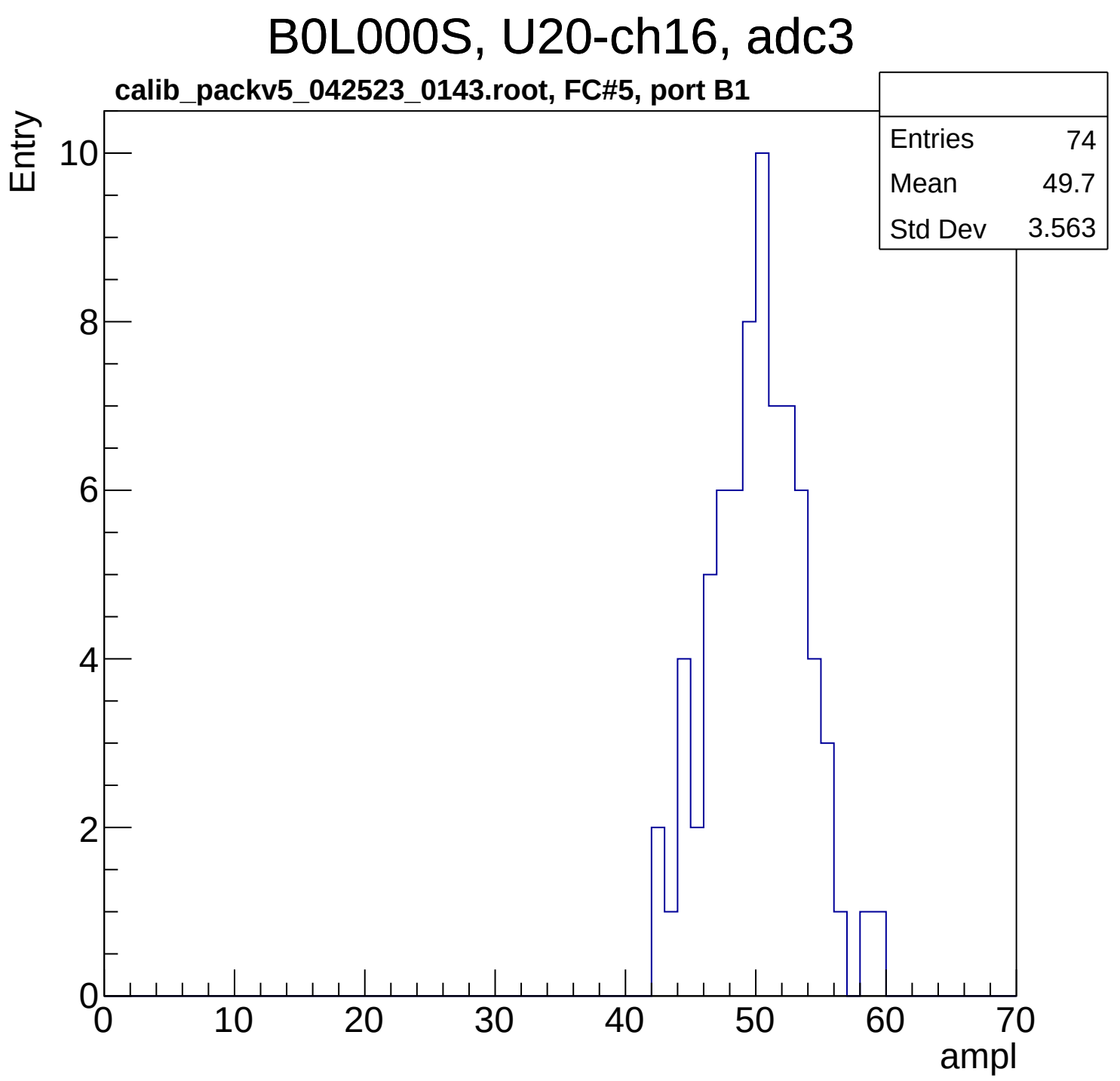
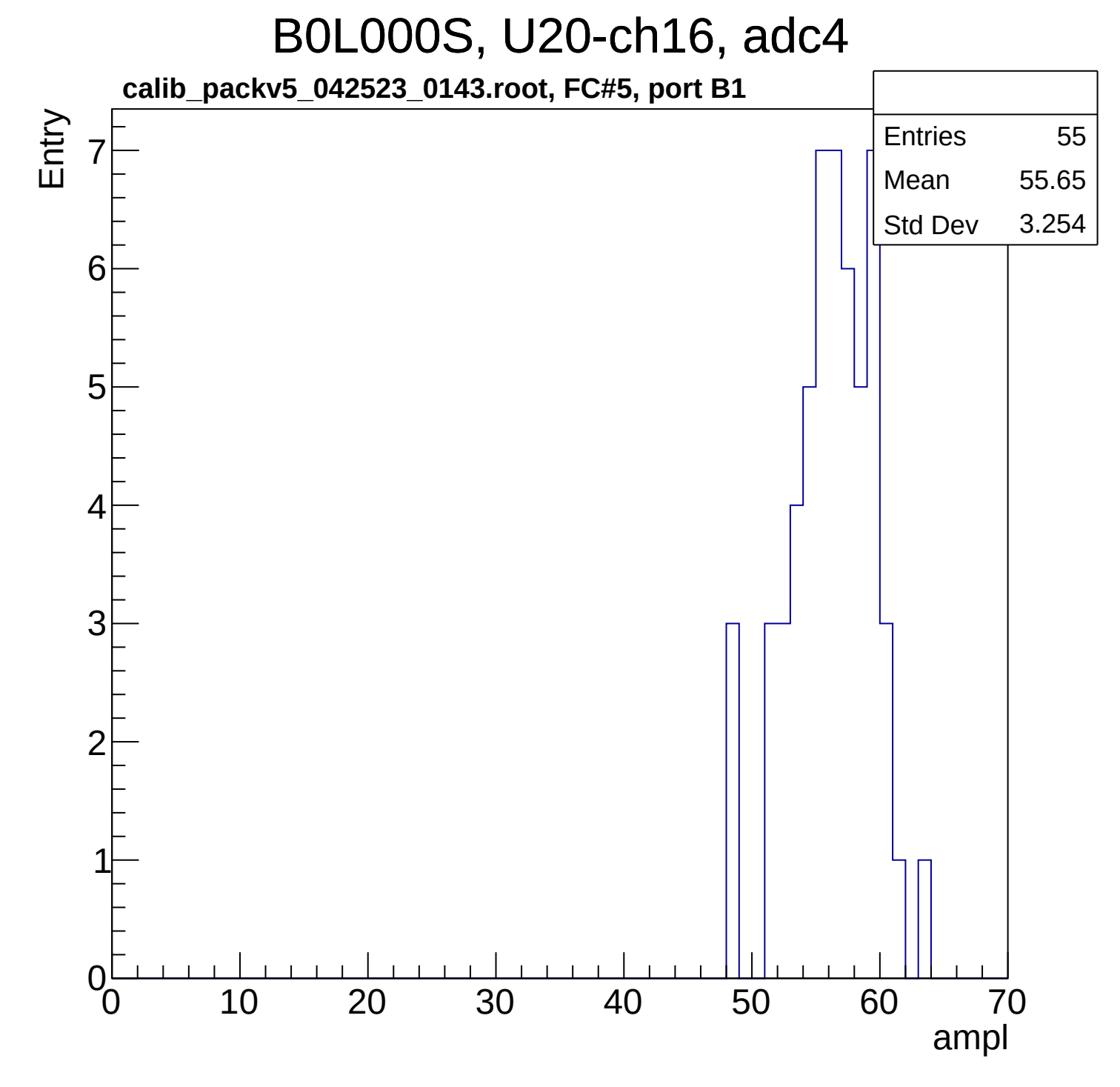
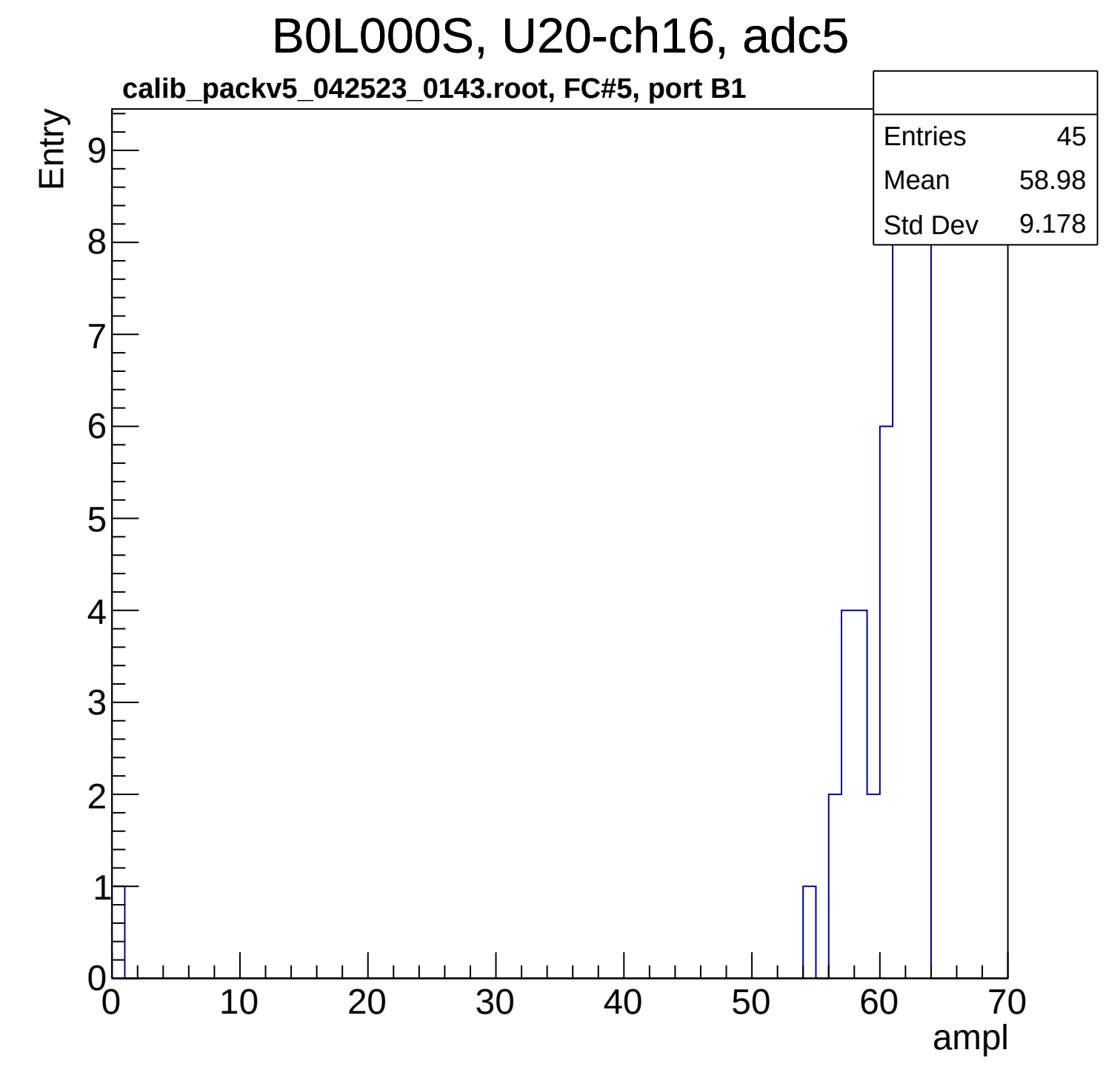

B0L000S, U20-ch16, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 49.7
Std Dev 3.563
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch16, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 55.65
Std Dev 3.254
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch16, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 58.98
Std Dev 9.178
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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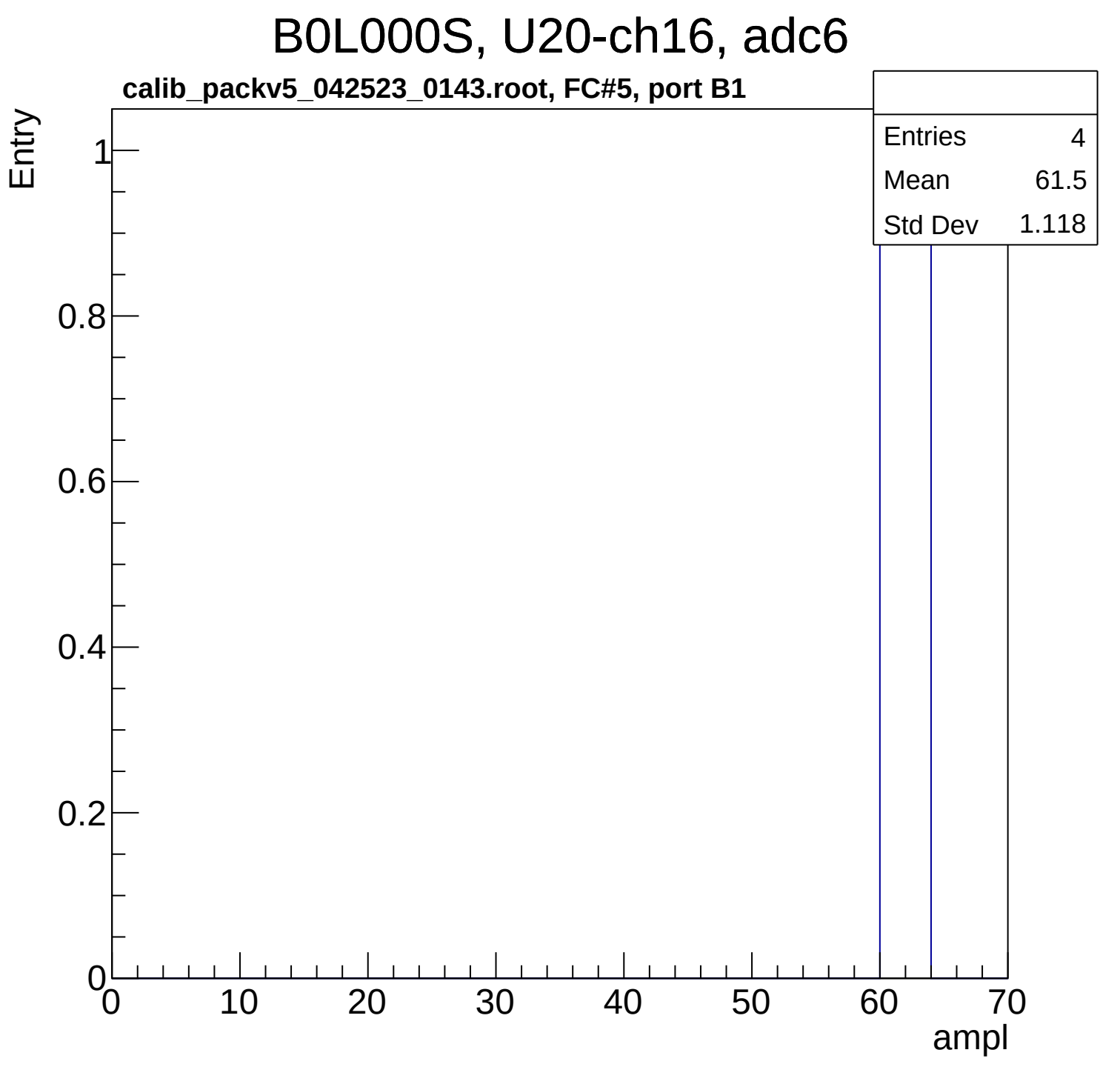
B0L000S, U20-ch16, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 61.5
Std Dev 1.118
Entry
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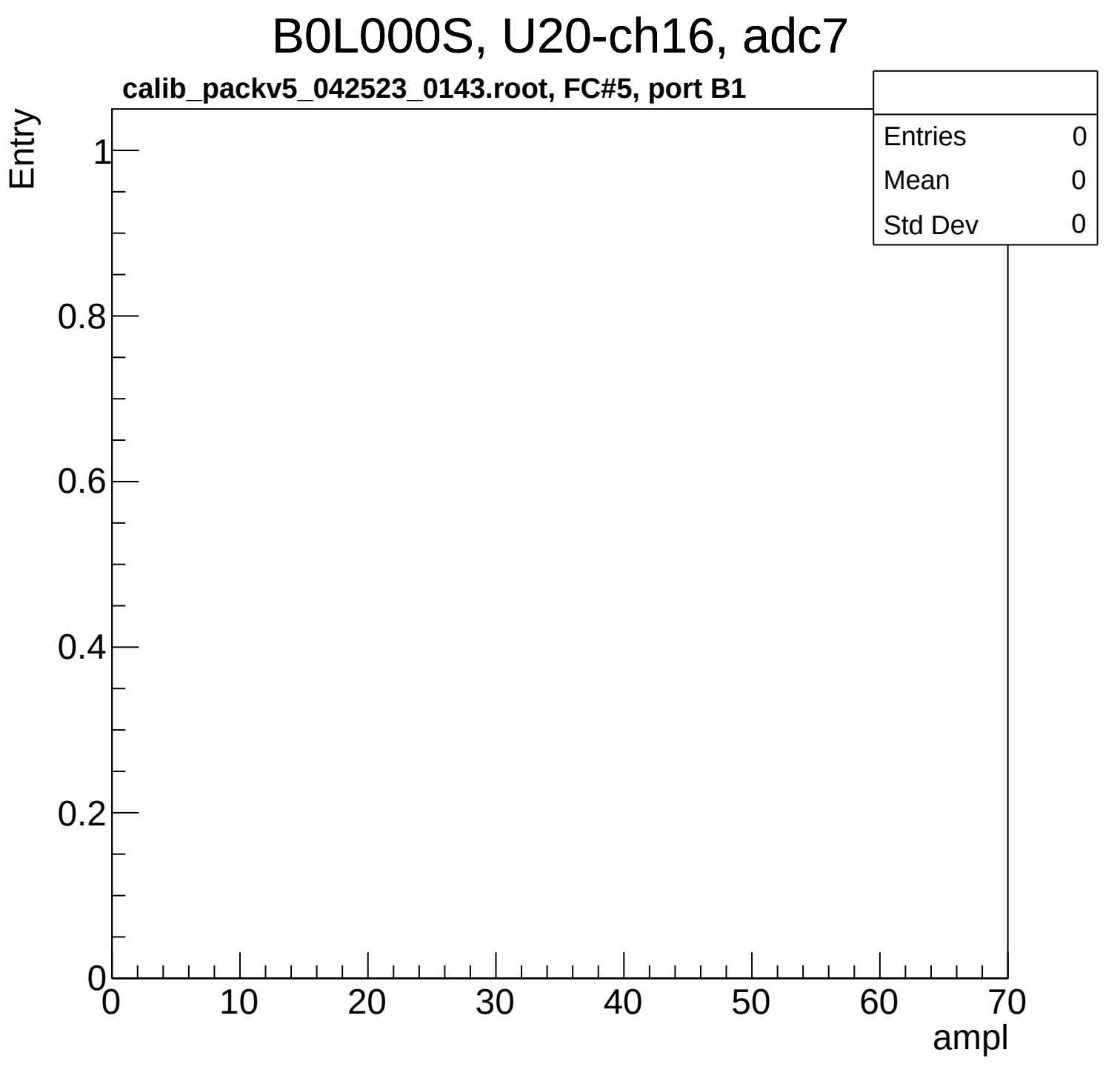
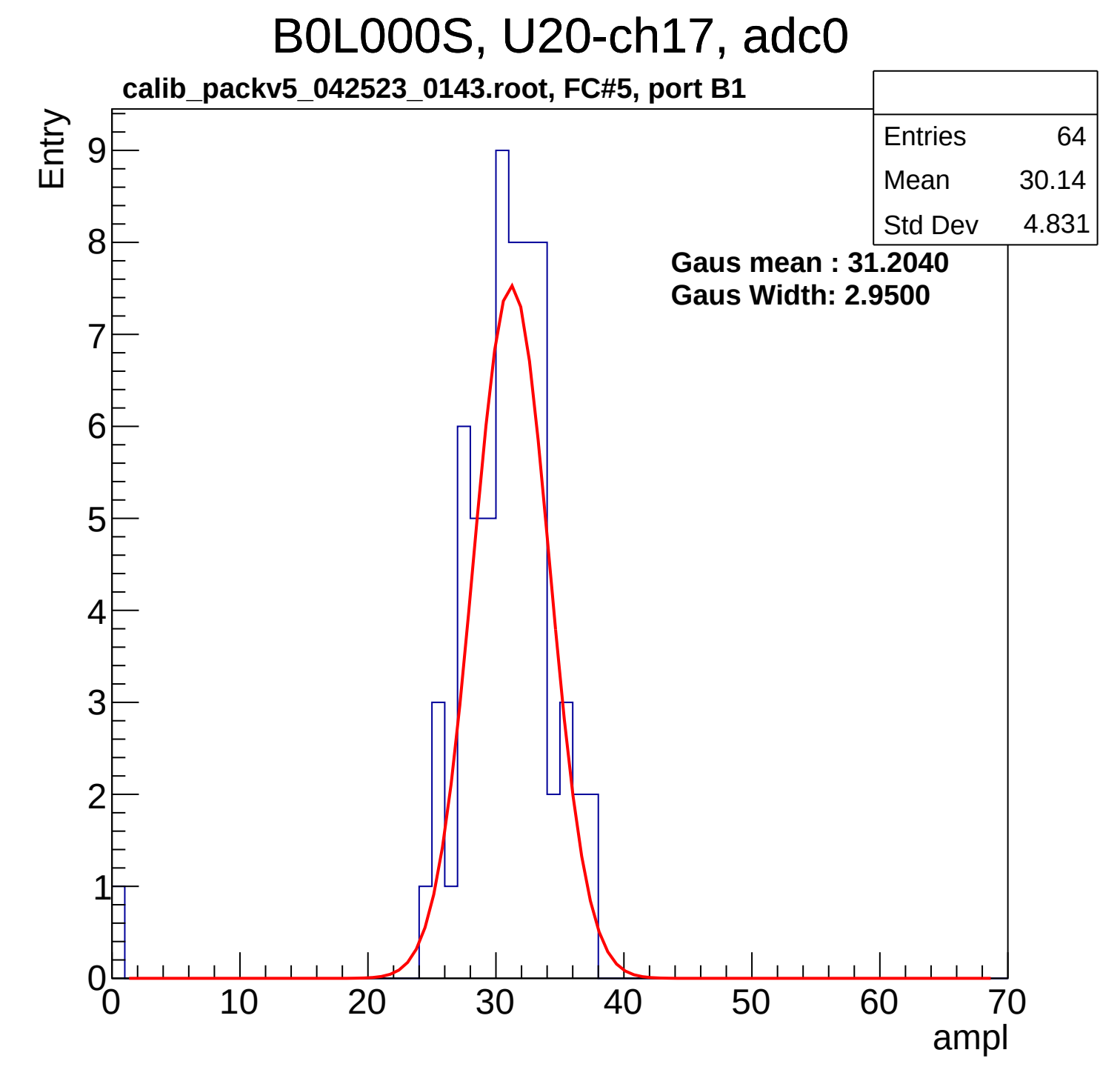
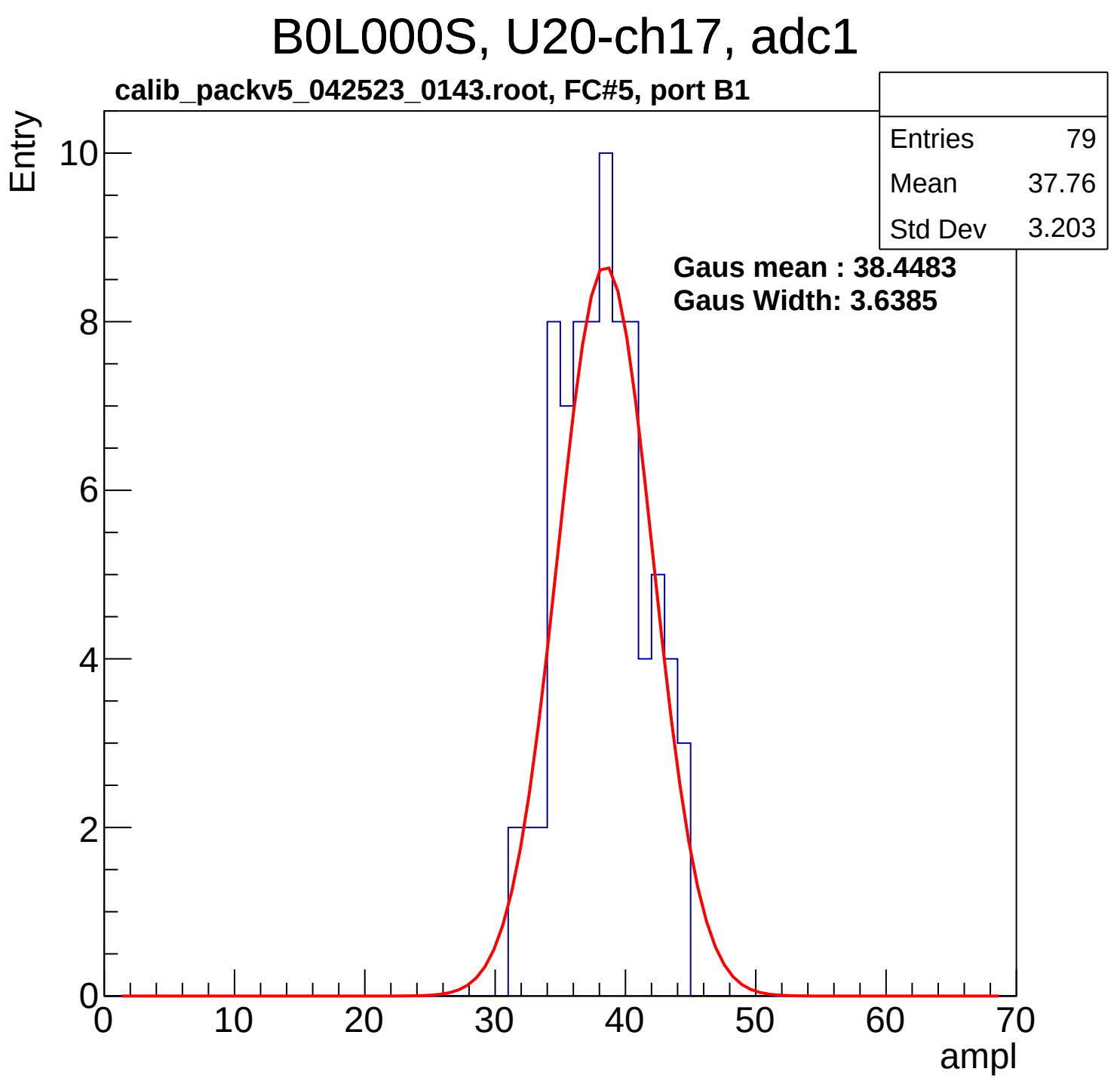
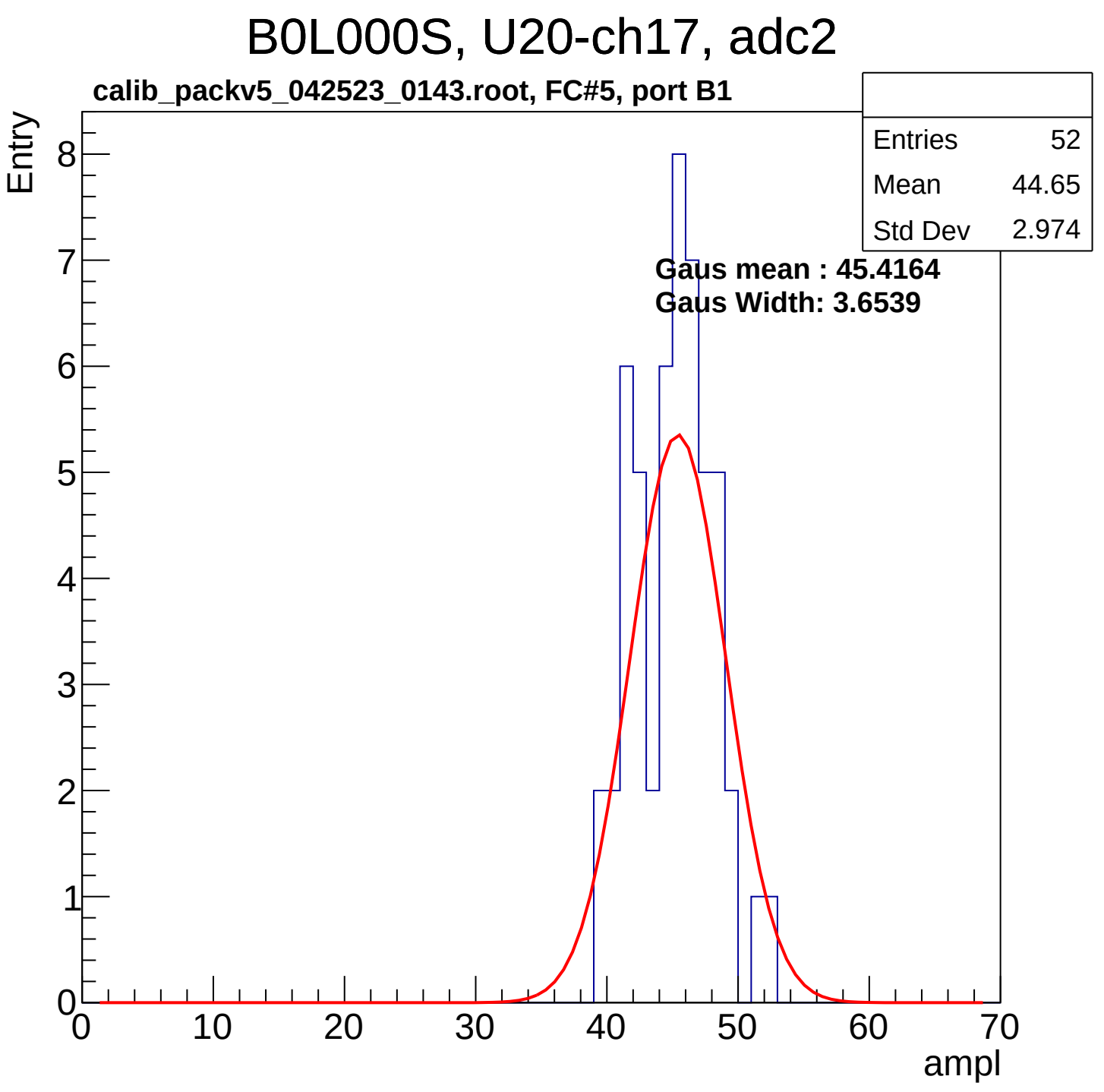
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch16, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch17, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 30.14
Std Dev 4.831
Gaus mean : 31.2040
Gaus Width: 2.9500
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch17, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 37.76
Std Dev 3.203
Gaus mean : 38.4483
Gaus Width: 3.6385
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch17, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 44.65
Std Dev 2.974
Gaus mean : 45.4164
Gaus Width: 3.6539
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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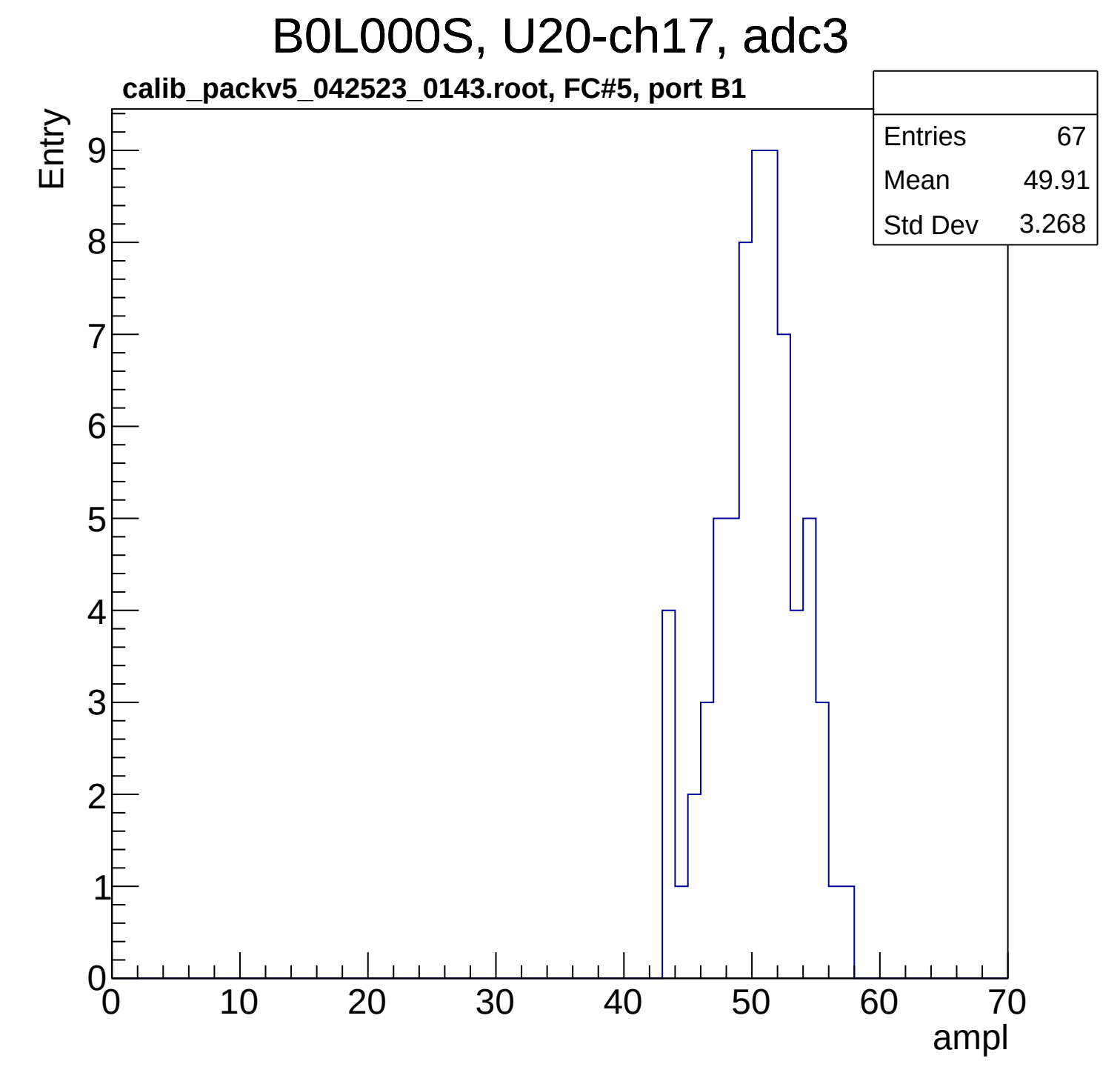
B0L000S, U20-ch17, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 49.91
Std Dev 3.268
Entry
ampl
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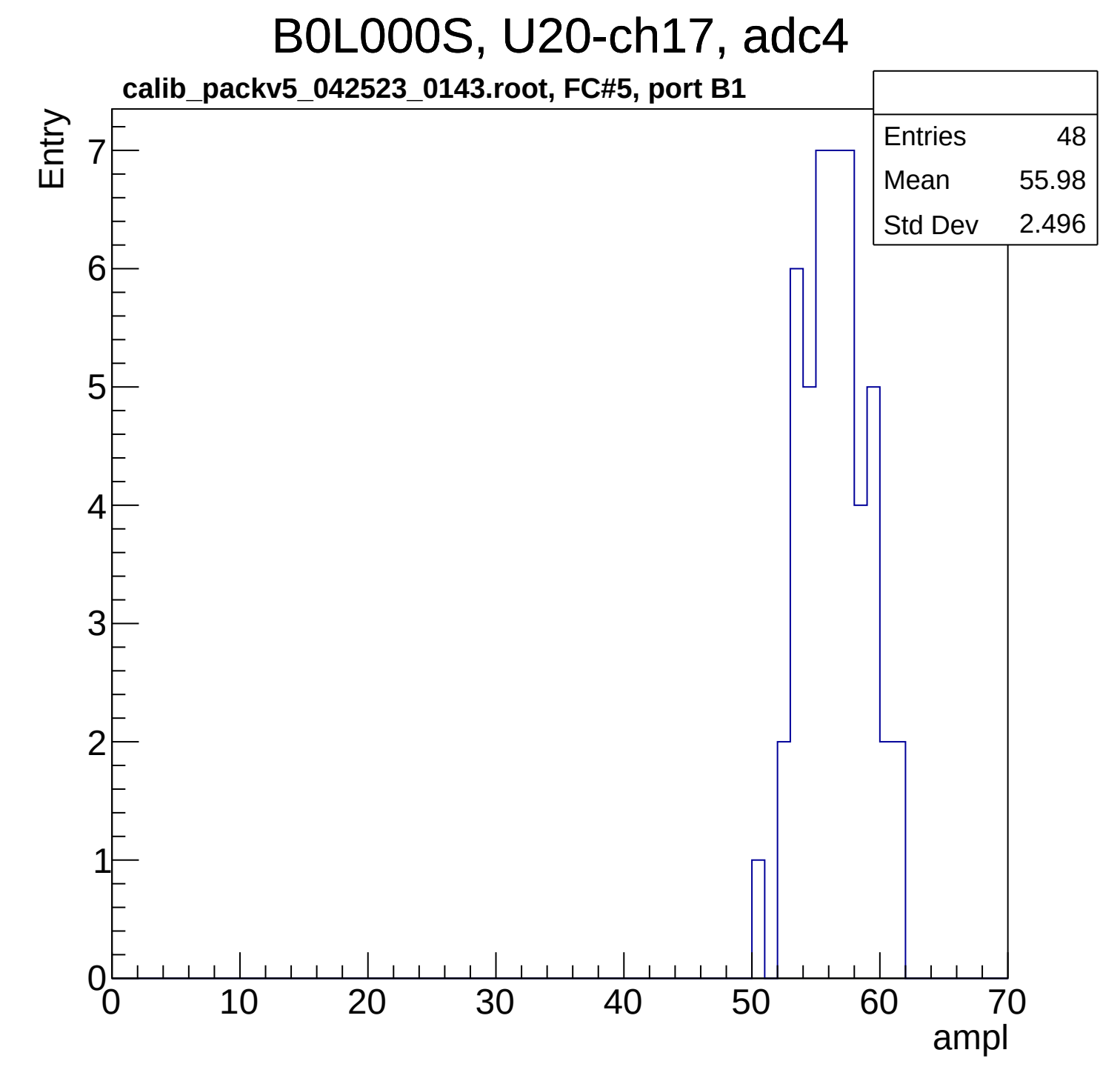
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch17, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 55.98
Std Dev 2.496
Entry
ampl
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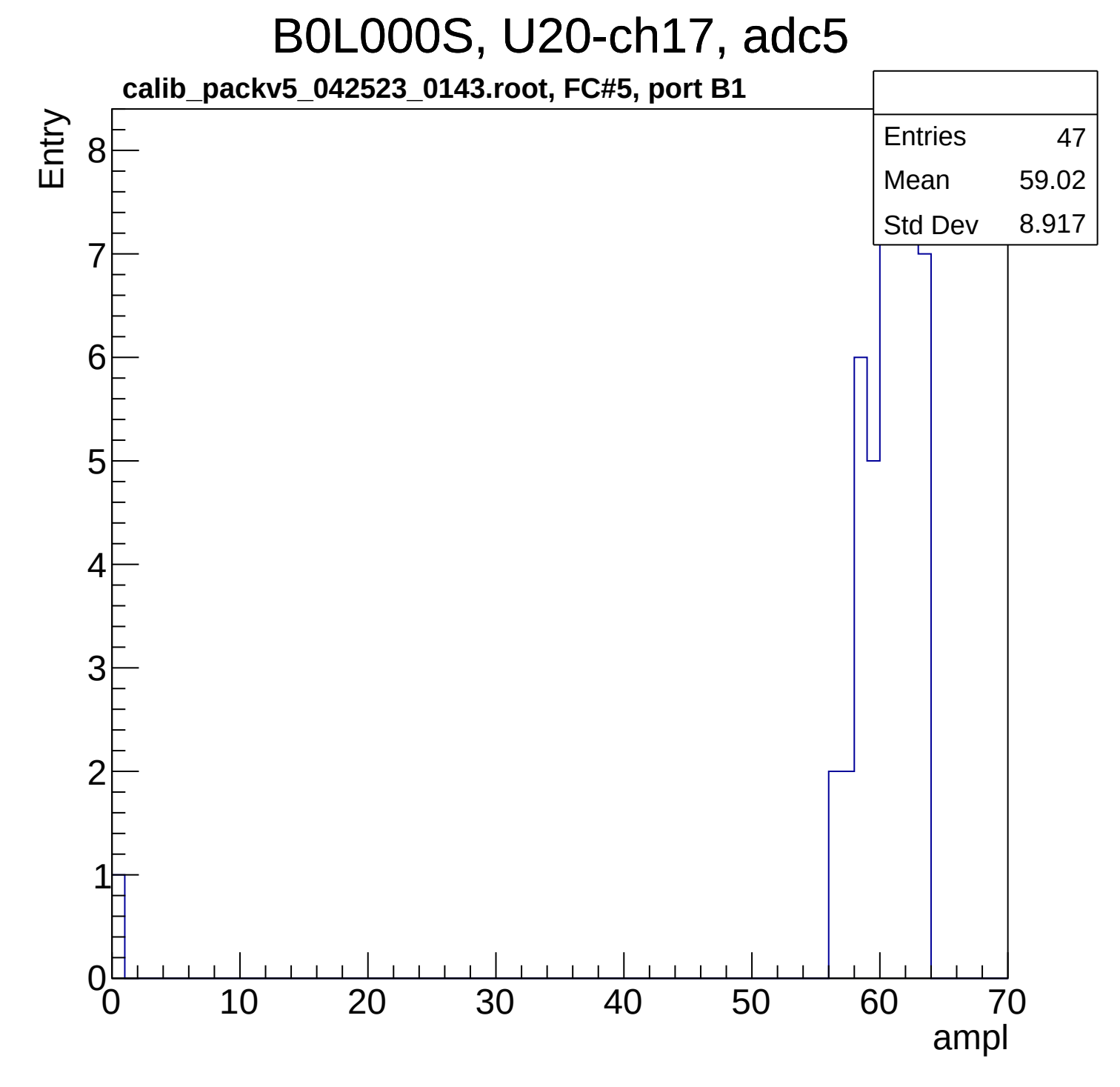
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch17, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 59.02
Std Dev 8.917
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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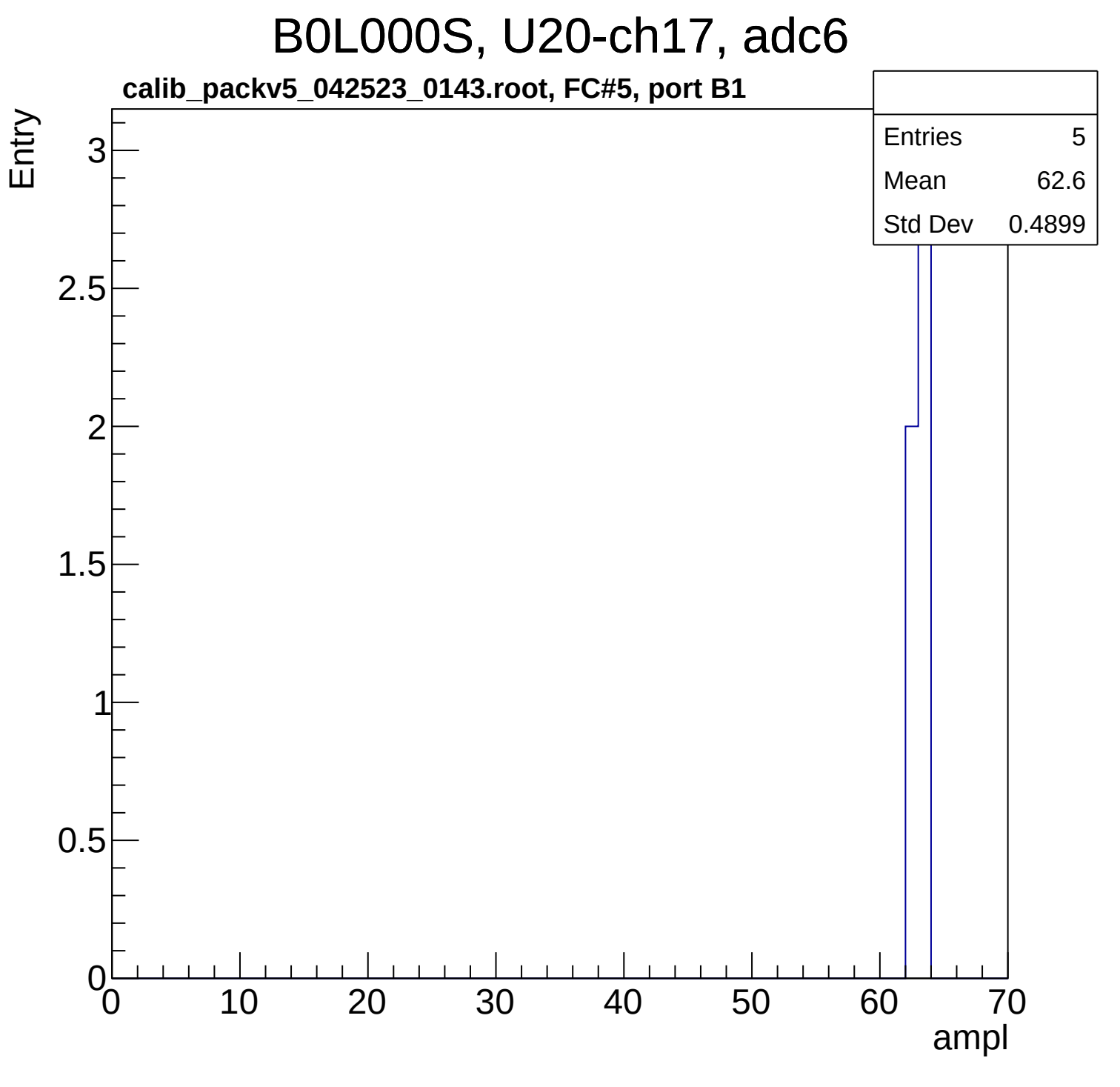
B0L000S, U20-ch17, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 62.6
Std Dev 0.4899
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
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60
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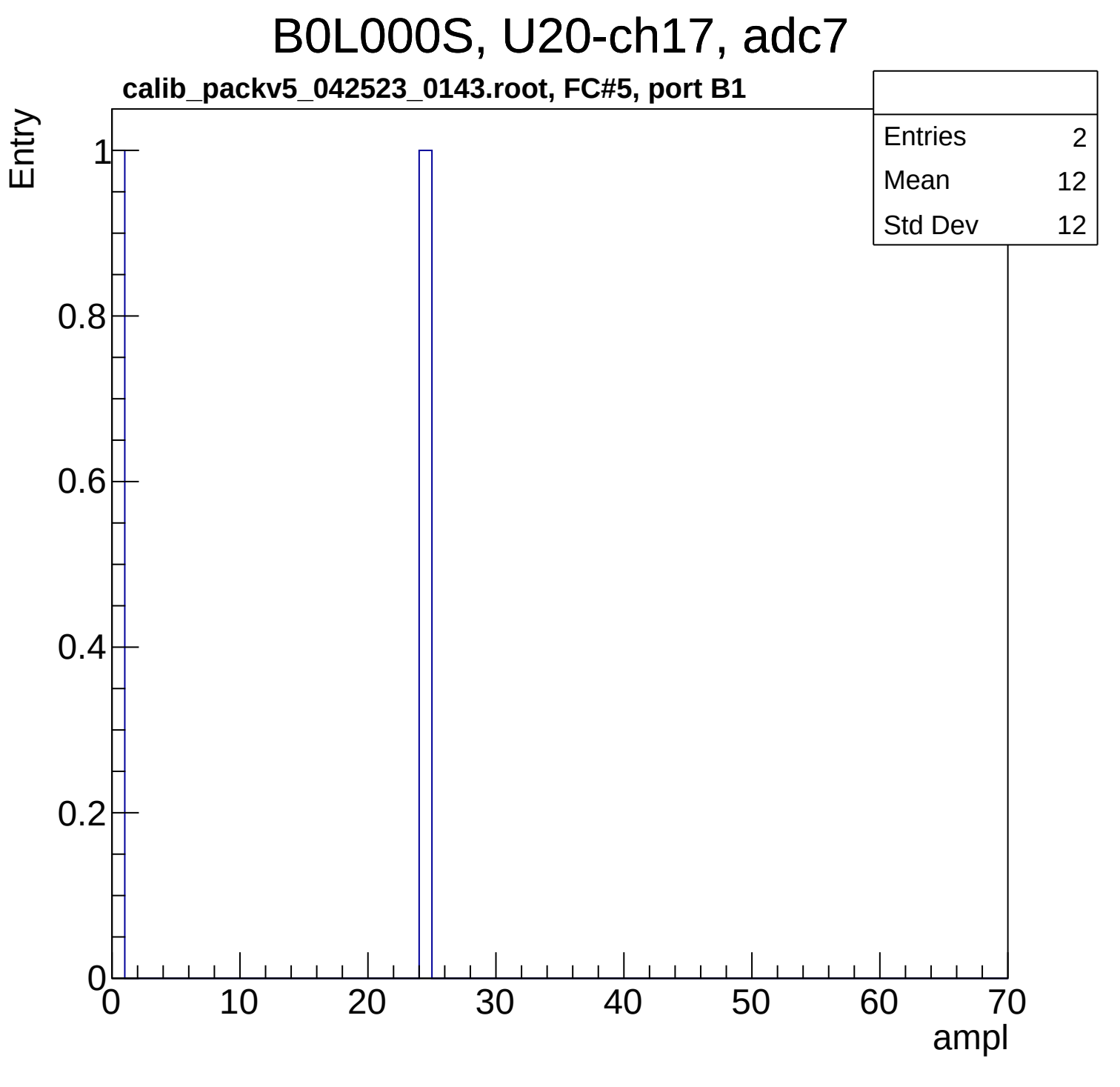
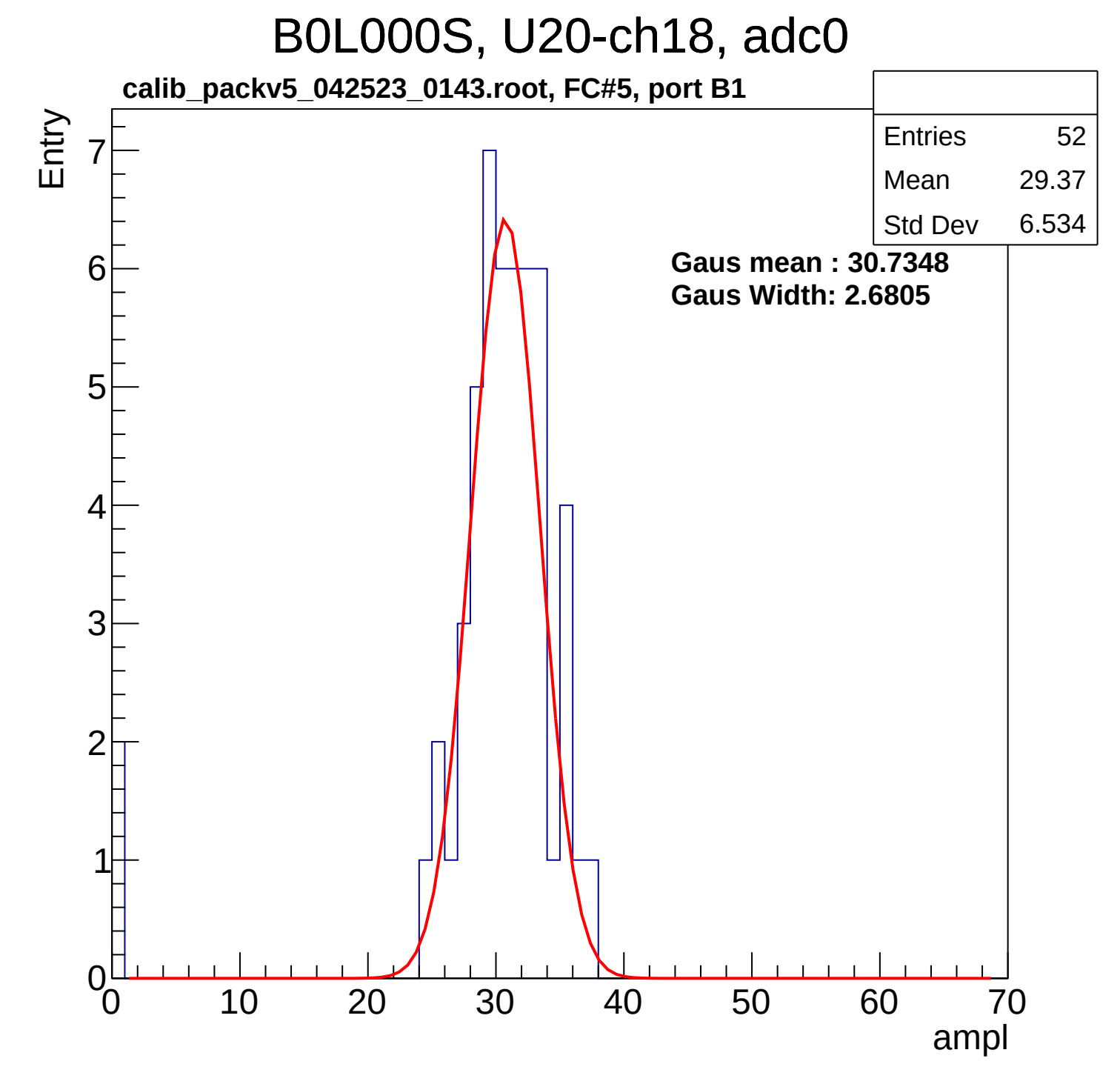
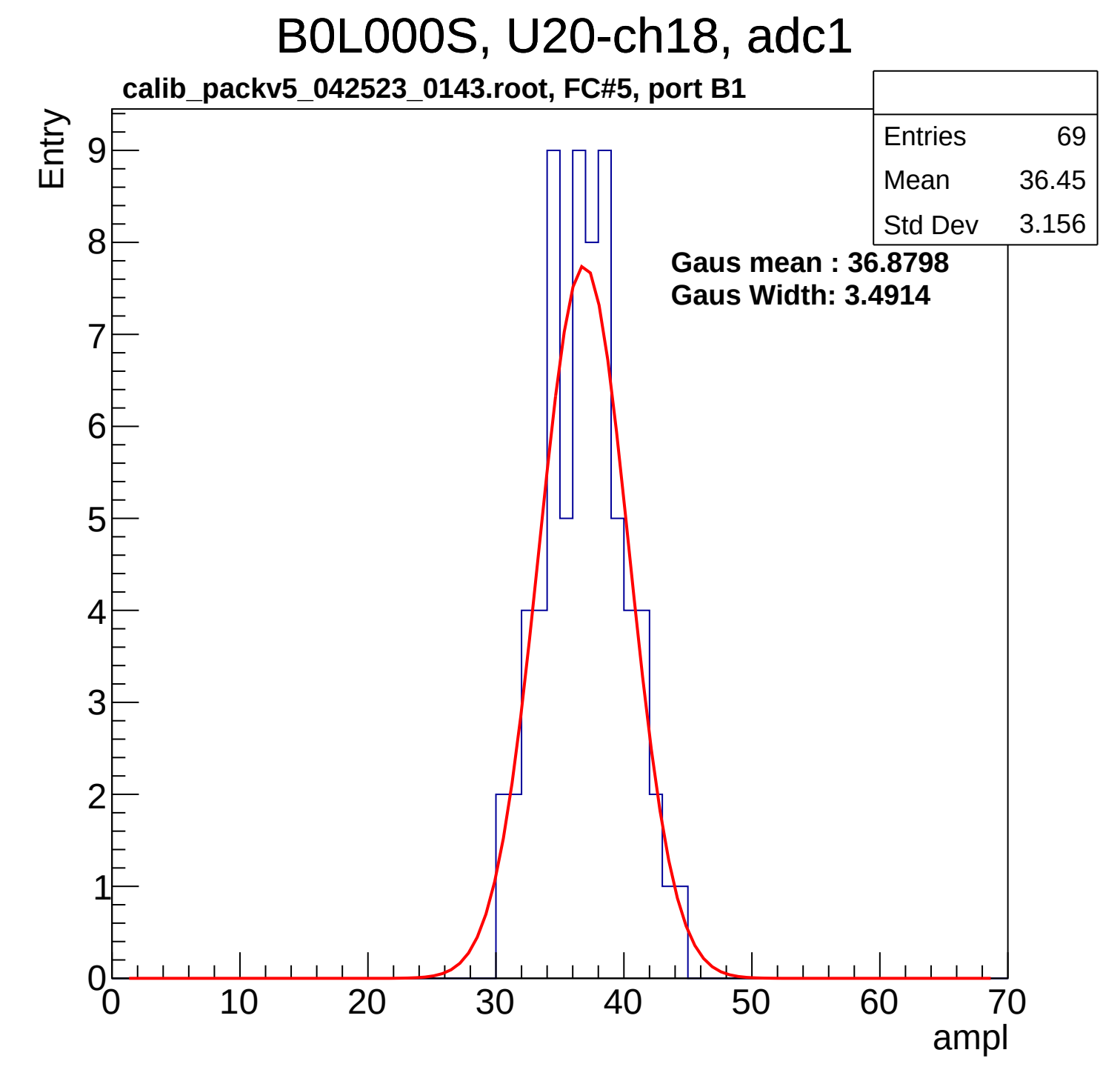
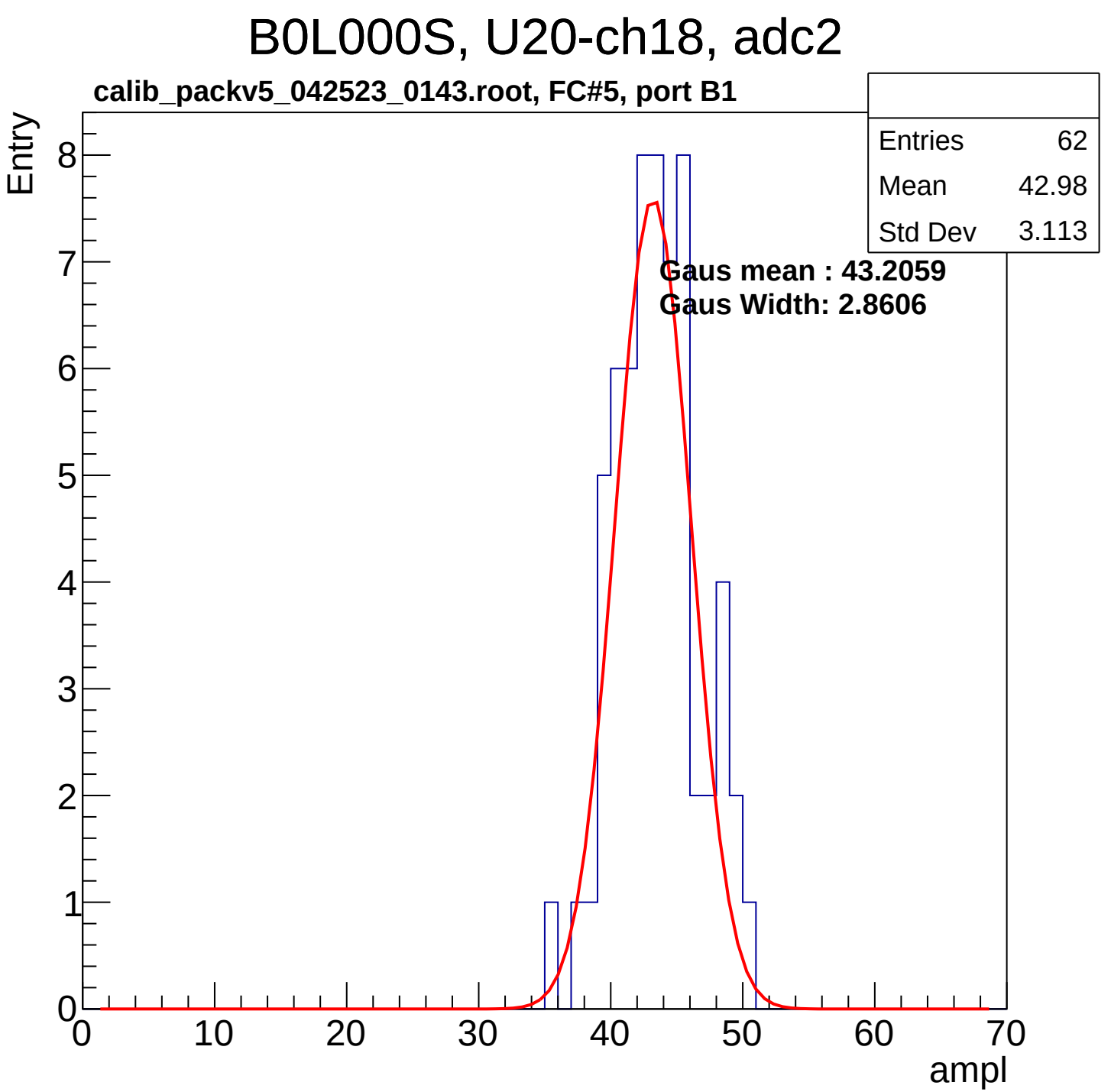

B0L000S, U20-ch17, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 12
Std Dev 12
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch18, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 29.37
Std Dev 6.534
Gaus mean : 30.7348
Gaus Width: 2.6805
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch18, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 36.45
Std Dev 3.156
Gaus mean : 36.8798
Gaus Width: 3.4914
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch18, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 42.98
Std Dev 3.113
Gaus mean : 43.2059
Gaus Width: 2.8606
Entry
ampl
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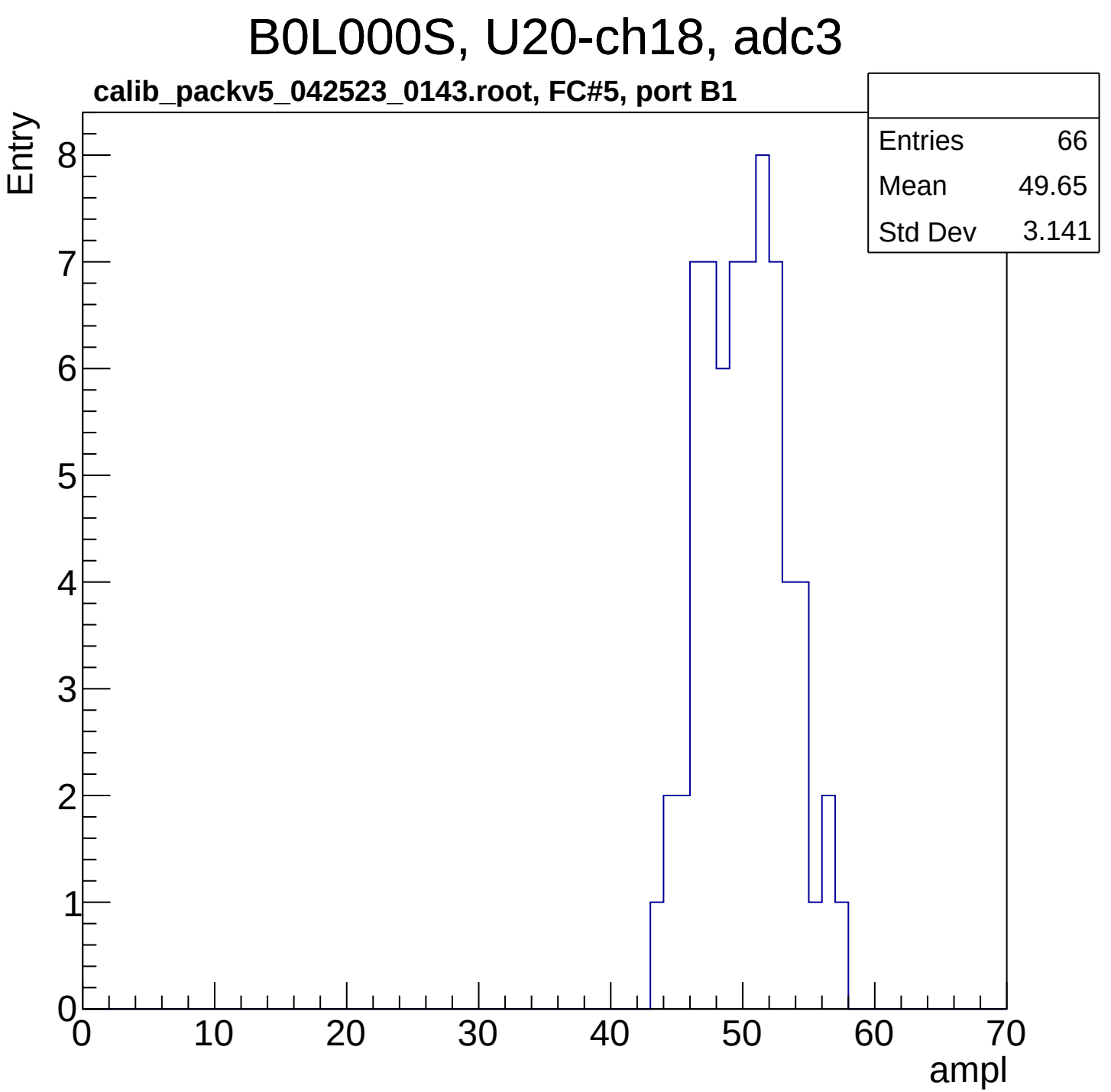
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch18, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 49.65
Std Dev 3.141
Entry
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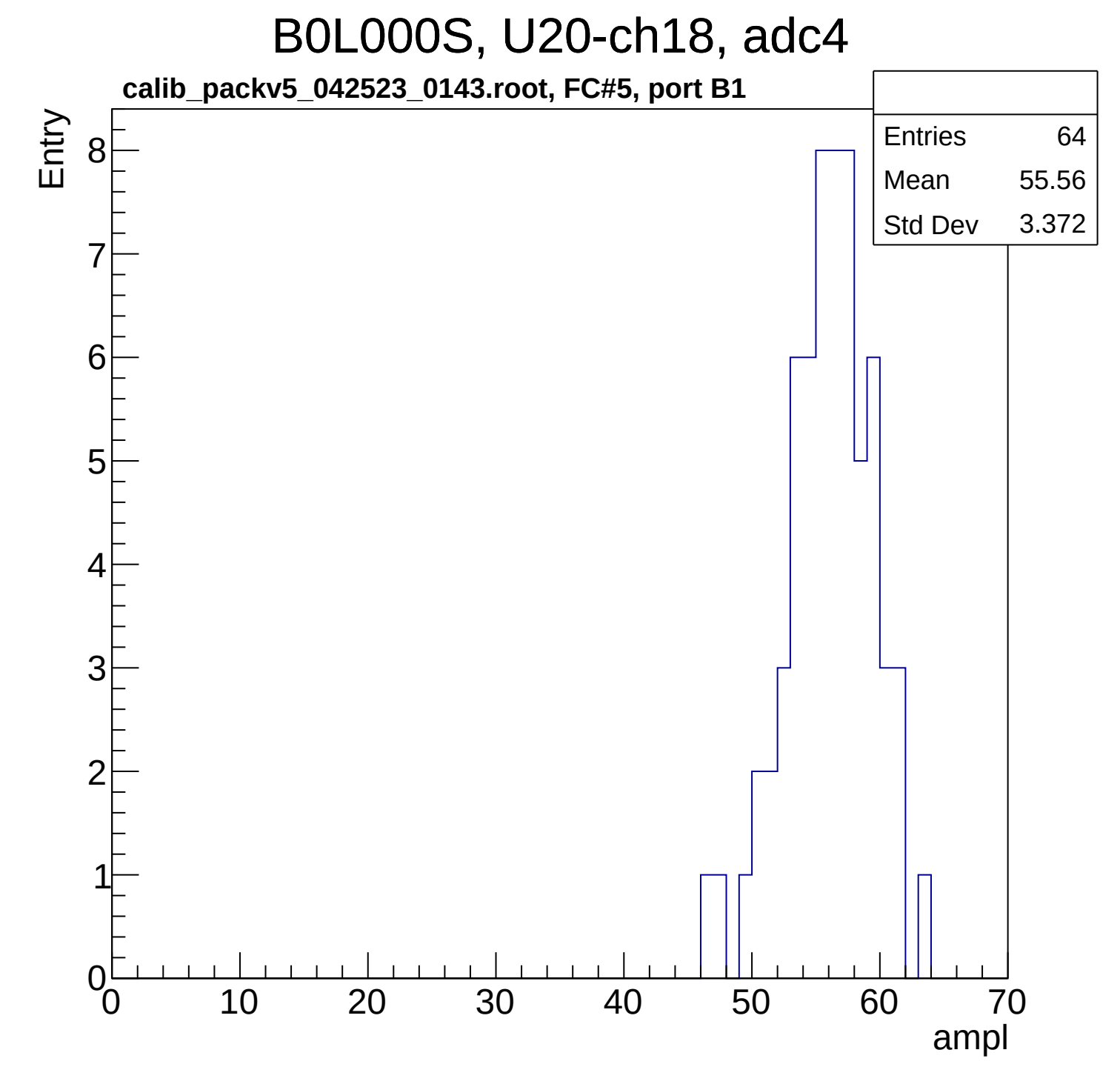
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch18, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 55.56
Std Dev 3.372
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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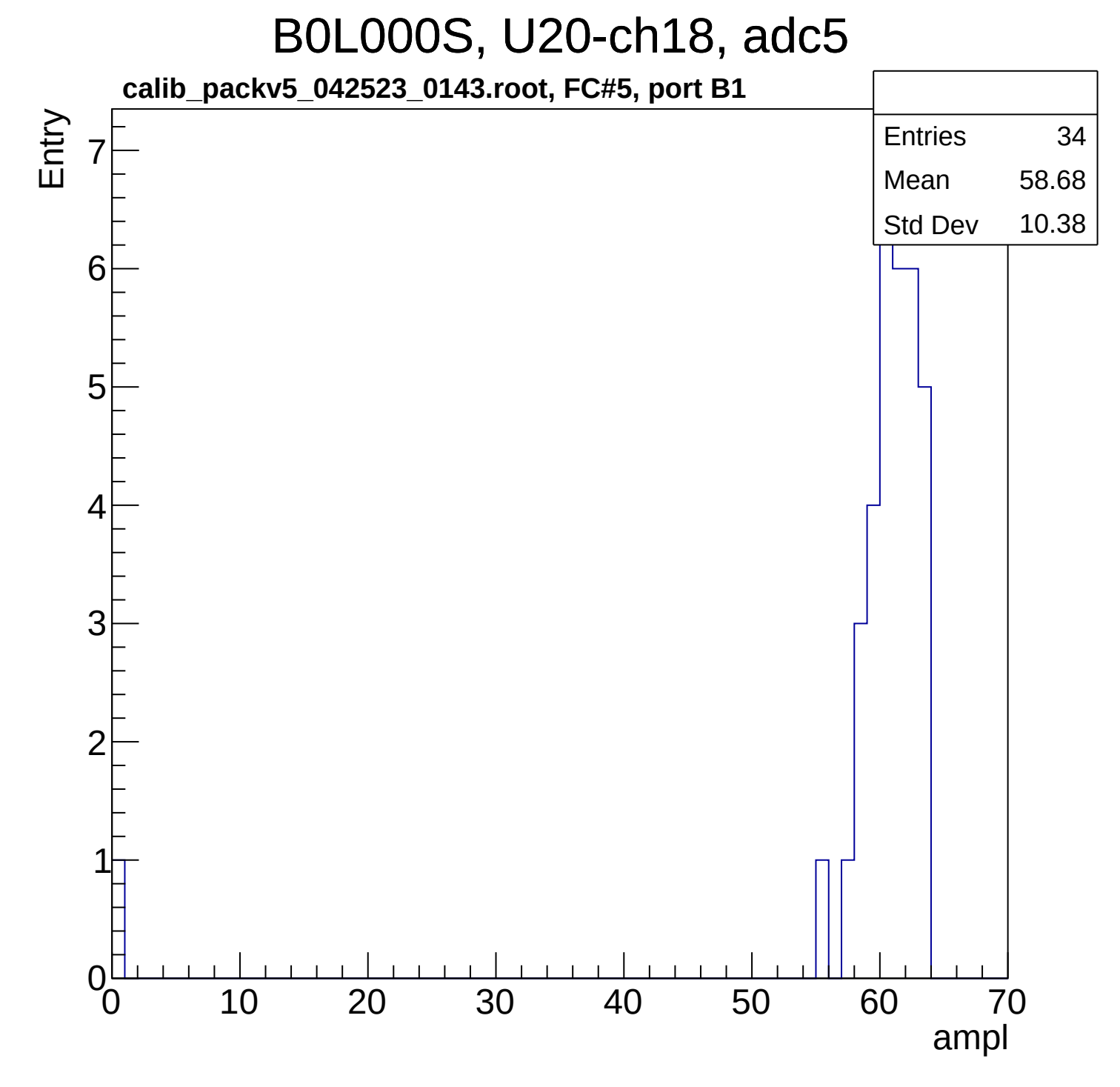
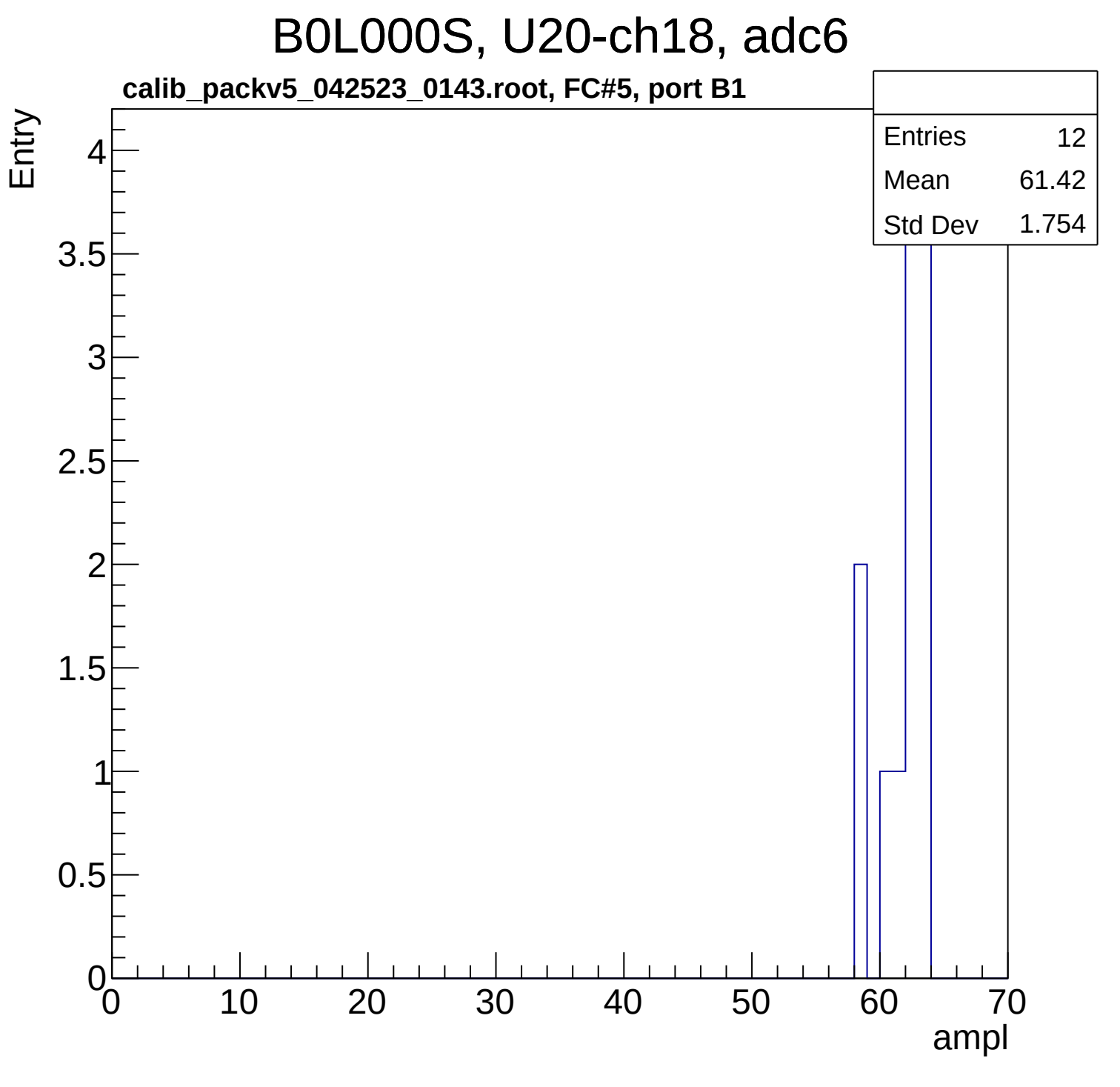

B0L000S, U20-ch18, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 34
Mean 58.68
Std Dev 10.38
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch18, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 61.42
Std Dev 1.754
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
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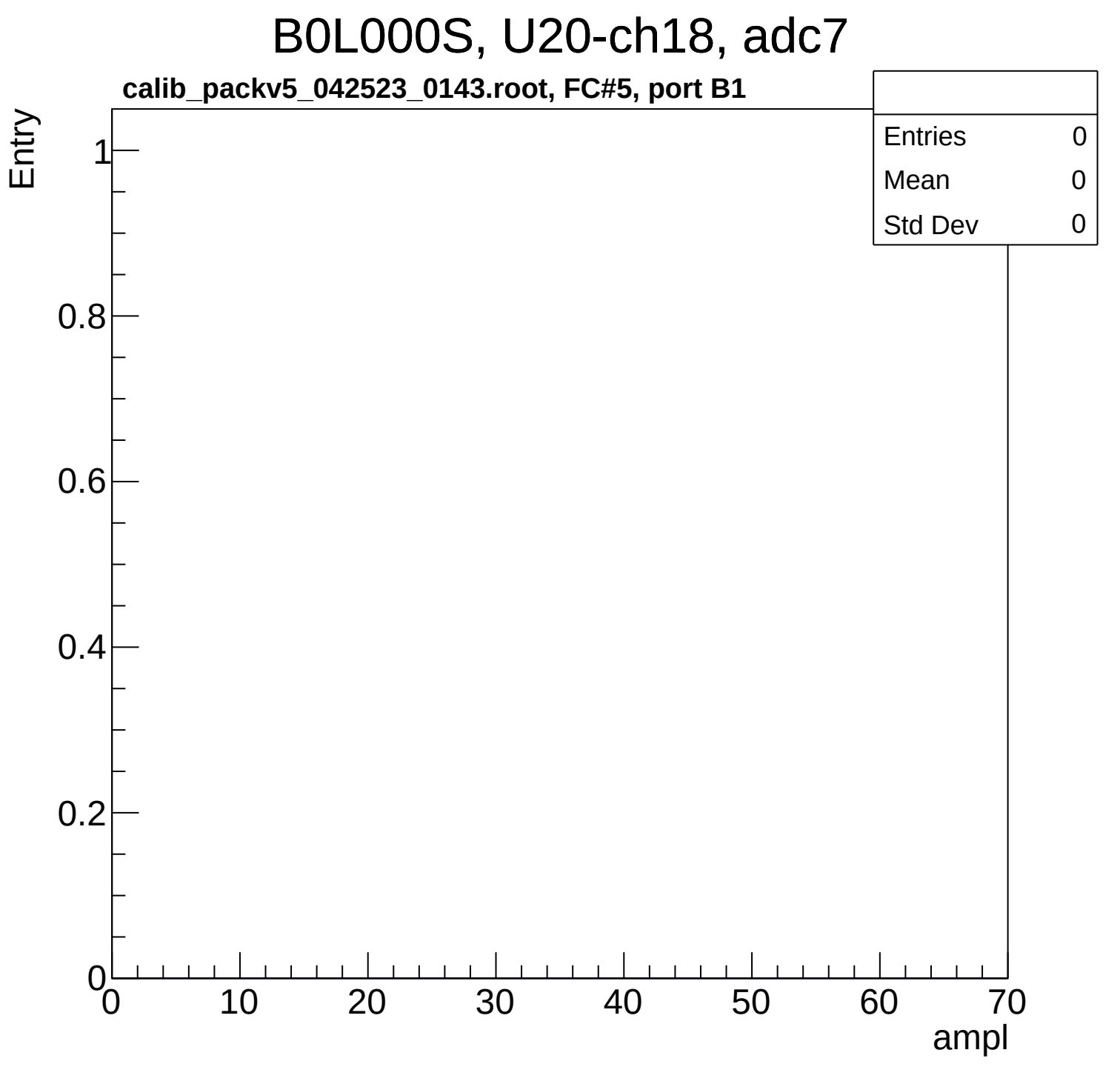
50
60
70


B0L000S, U20-ch18, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
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10
20
30
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50
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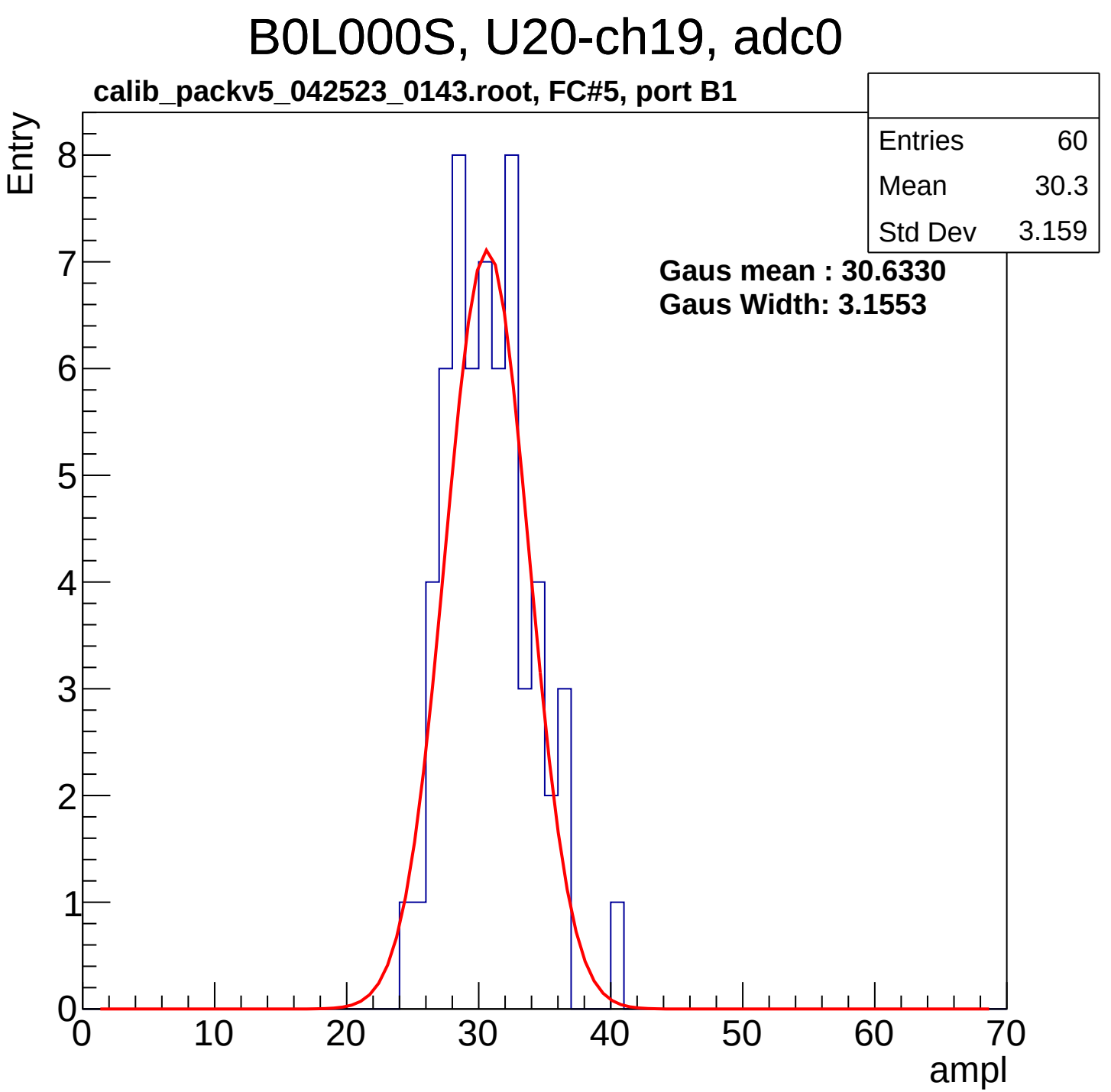
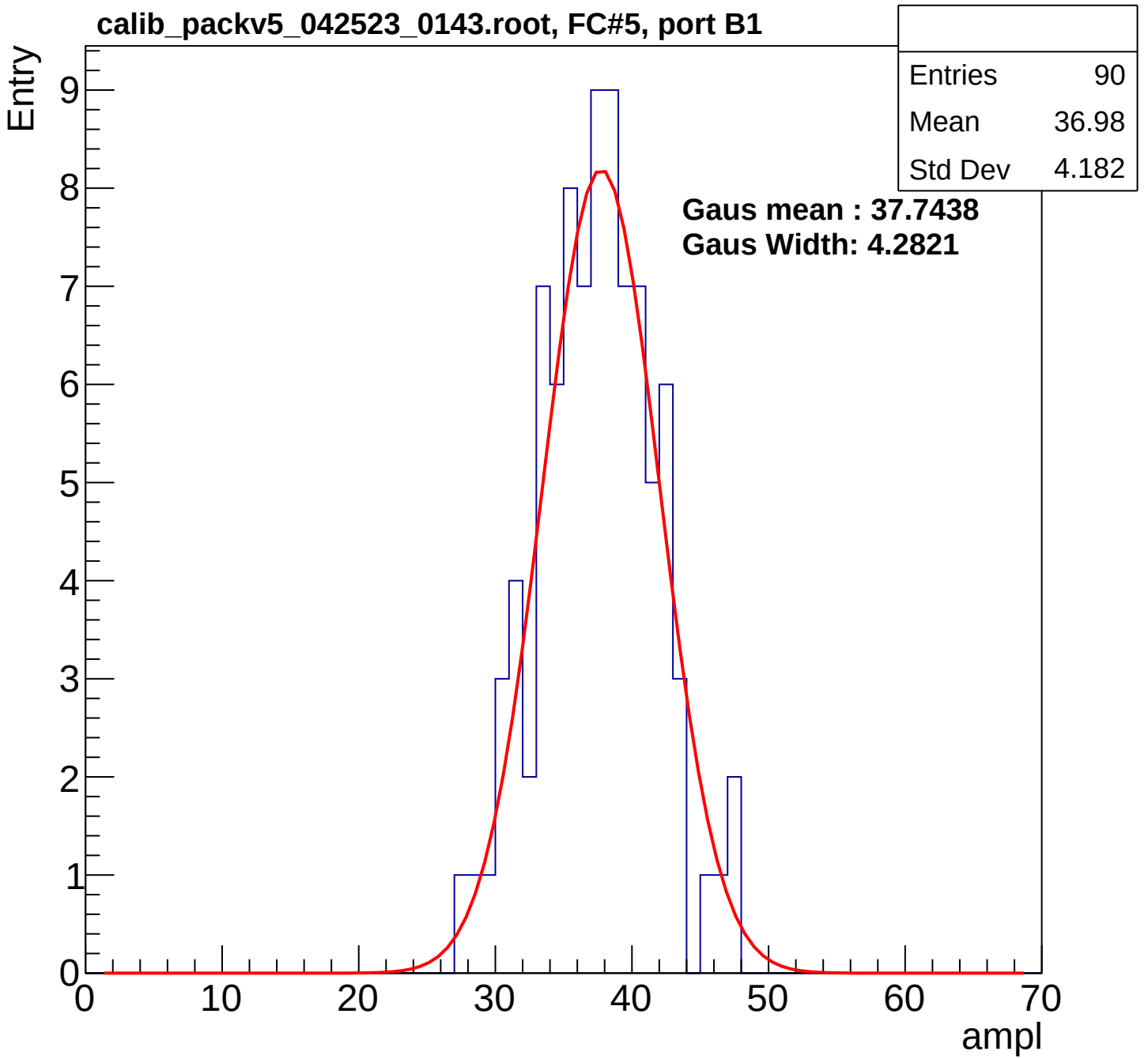
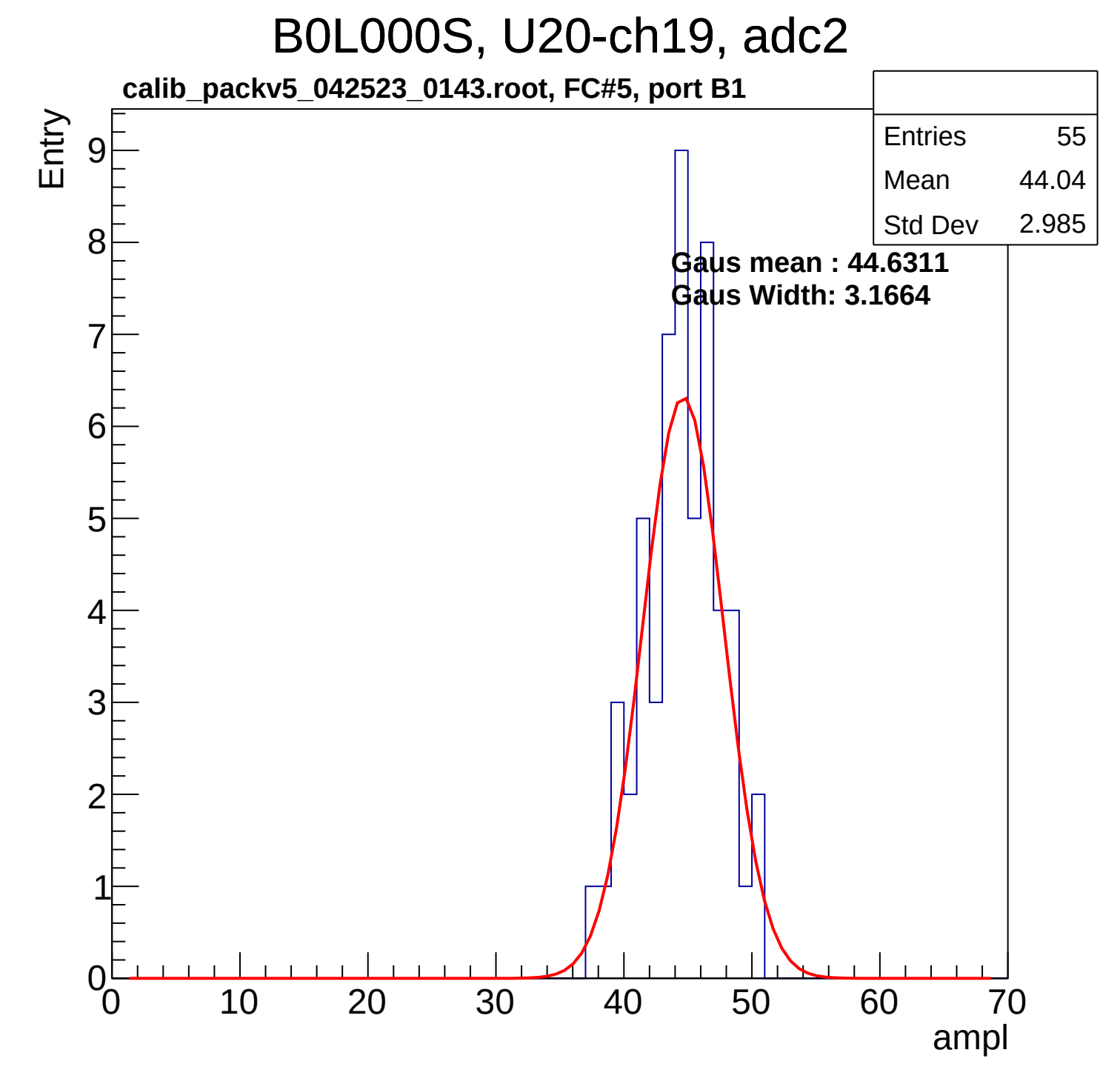
70
ampl


B0L000S, U20-ch19, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 30.3
Std Dev 3.159
Gaus mean : 30.6330
Gaus Width: 3.1553
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch19, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 90
Mean 36.98
Std Dev 4.182
Gaus mean : 37.7438
Gaus Width: 4.2821
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch19, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 44.04
Std Dev 2.985
Gaus mean : 44.6311
Gaus Width: 3.1664
Entry
ampl
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2
3
4
5
6
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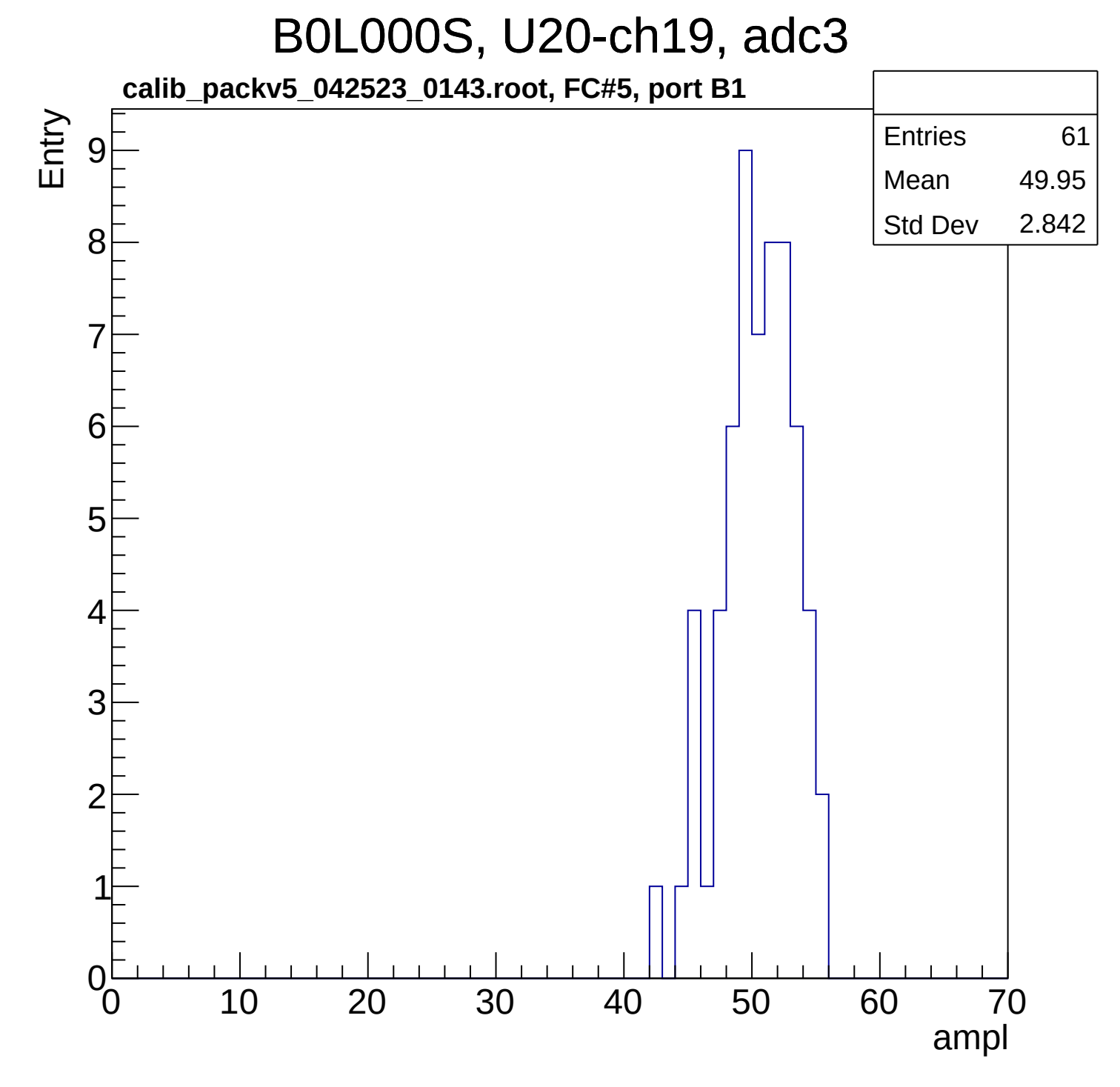
B0L000S, U20-ch19, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 49.95
Std Dev 2.842
Entry
ampl
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3
4
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6
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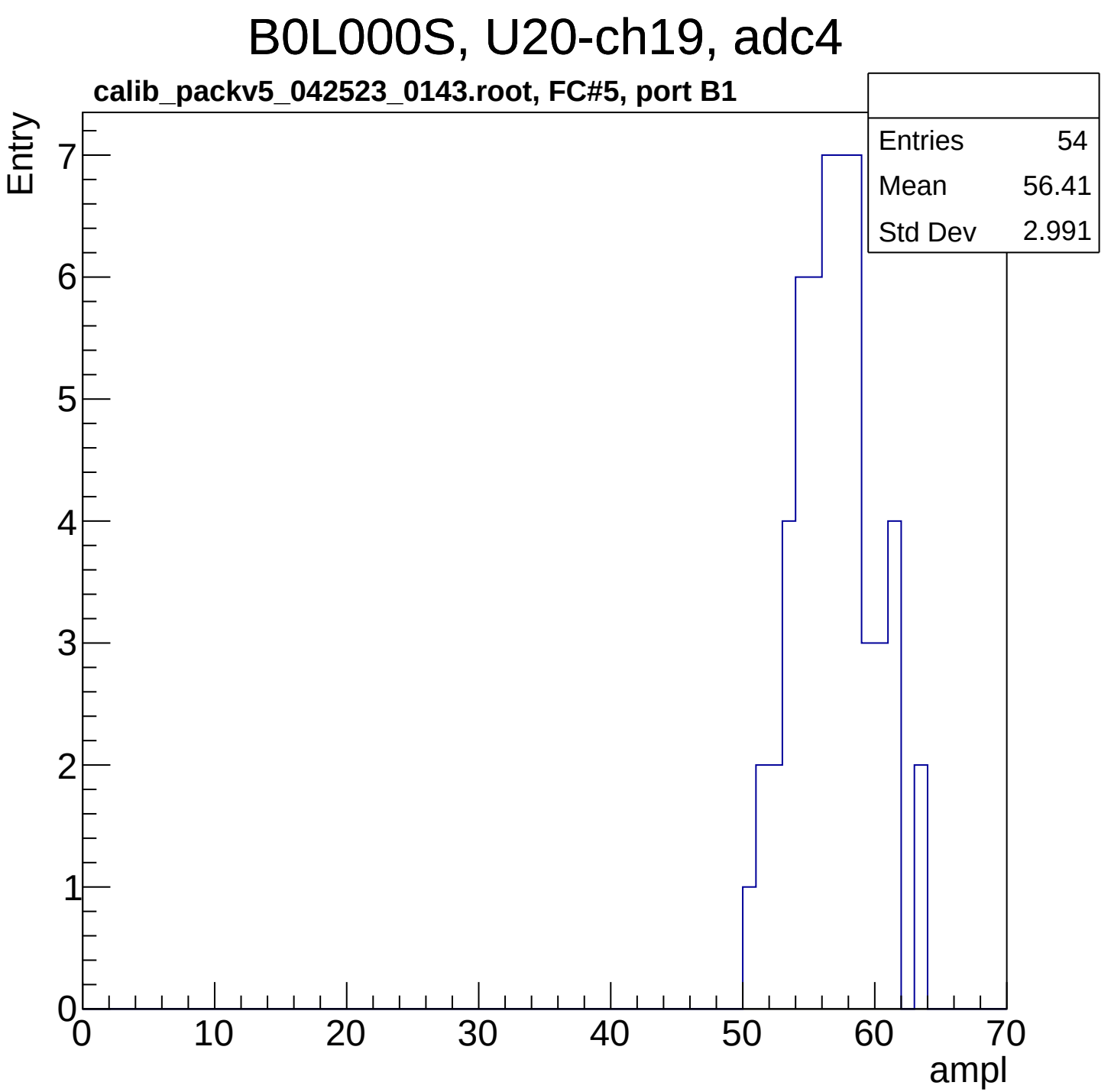
B0L000S, U20-ch19, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 56.41
Std Dev 2.991
Entry
ampl
0
1
2
3
4
5
6
7
0
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40
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60
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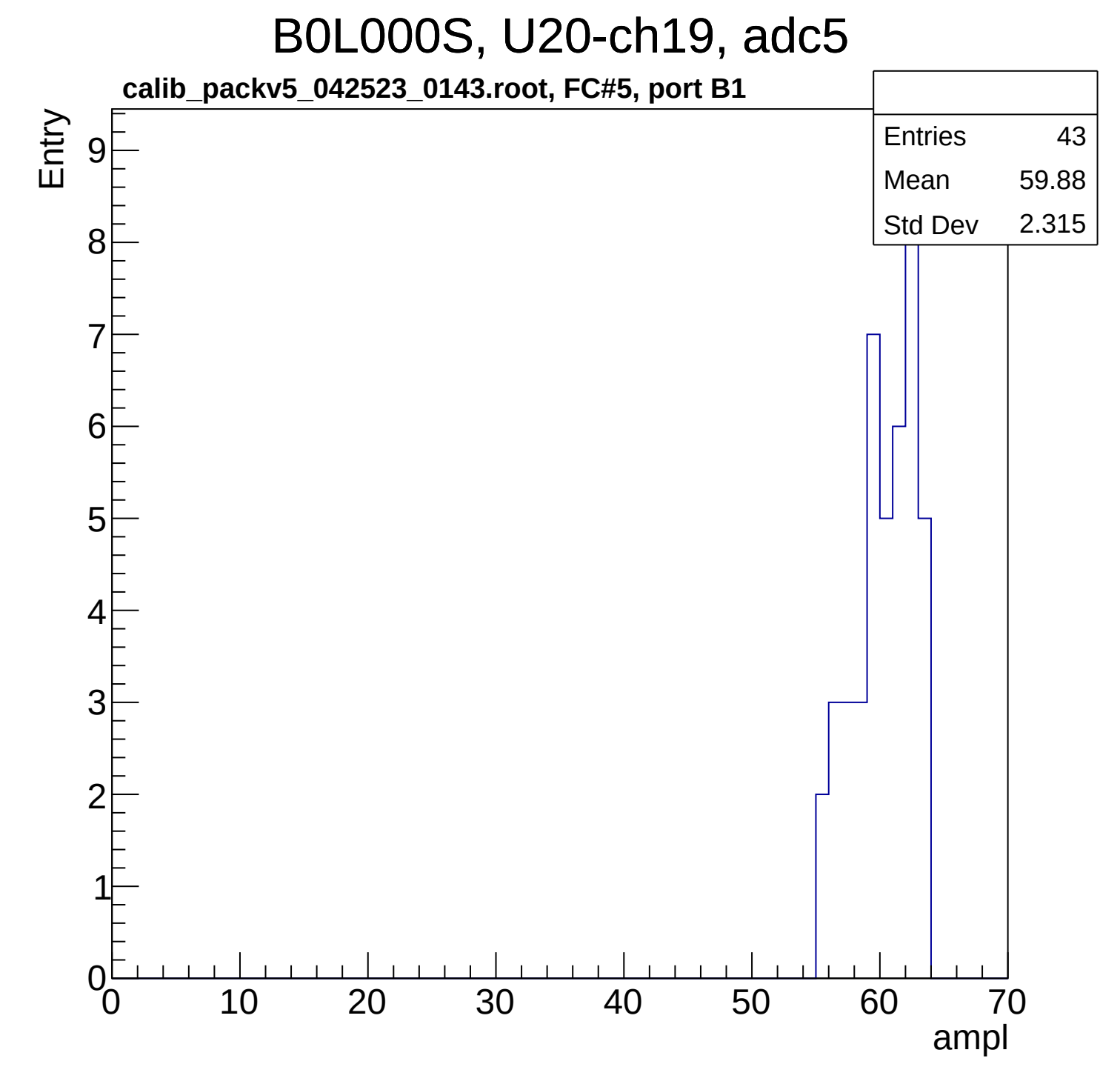
B0L000S, U20-ch19, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 59.88
Std Dev 2.315
Entry
ampl
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2
3
4
5
6
7
8
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0
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60
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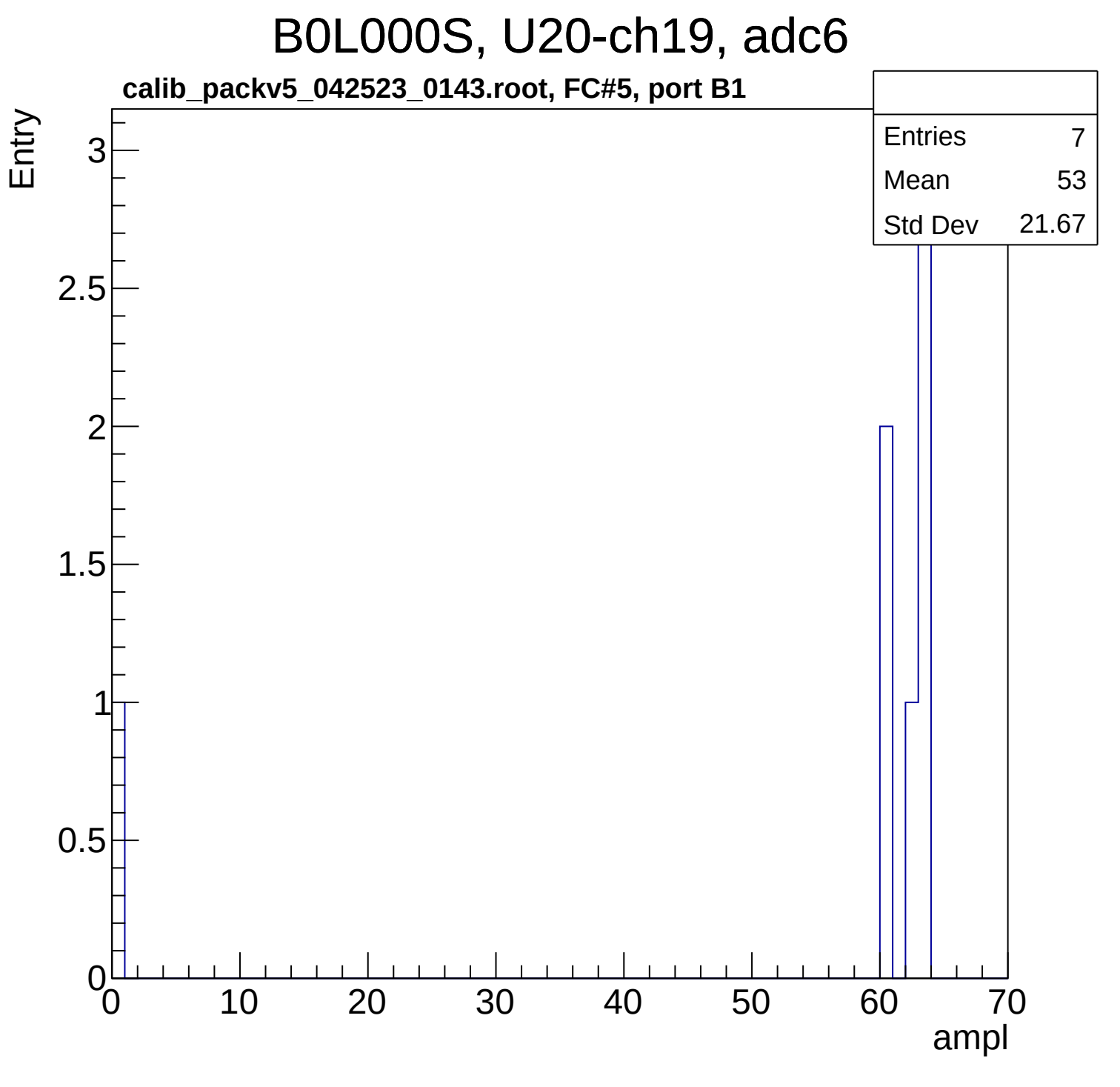
B0L000S, U20-ch19, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 53
Std Dev 21.67
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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40
50
60
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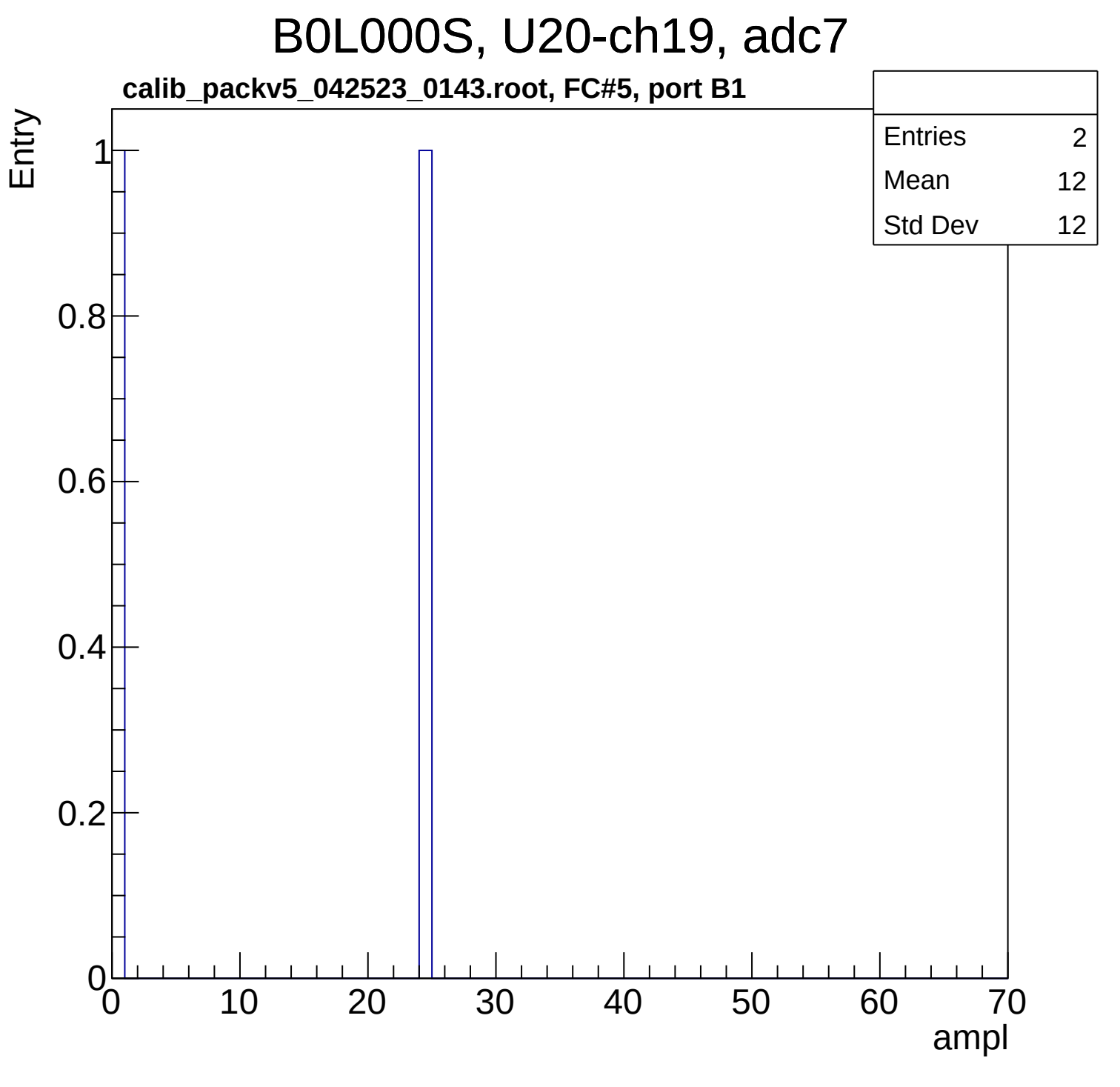
B0L000S, U20-ch19, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 12
Std Dev 12
Entry
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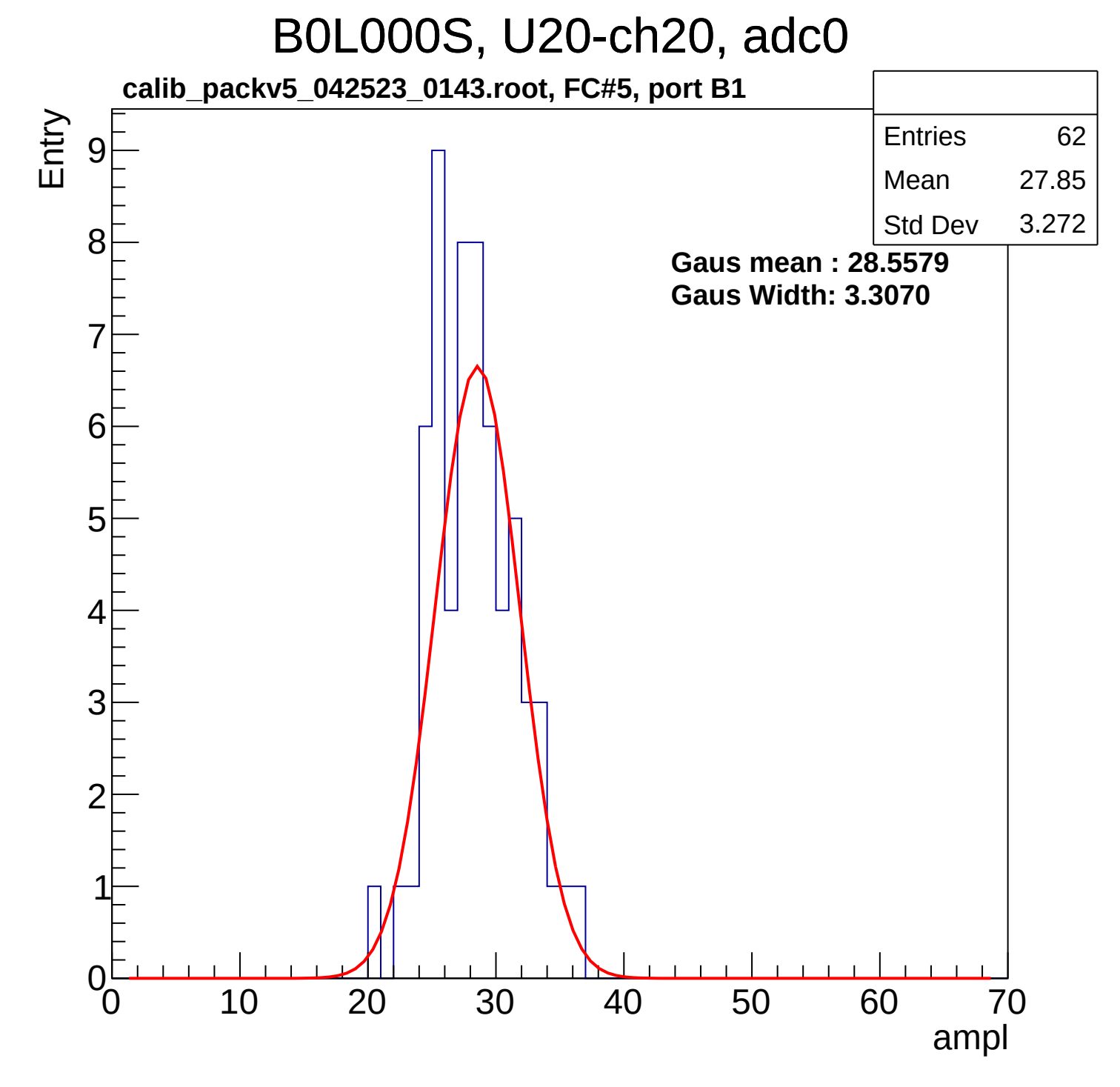
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch20, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 27.85
Std Dev 3.272
Gaus mean : 28.5579
Gaus Width: 3.3070
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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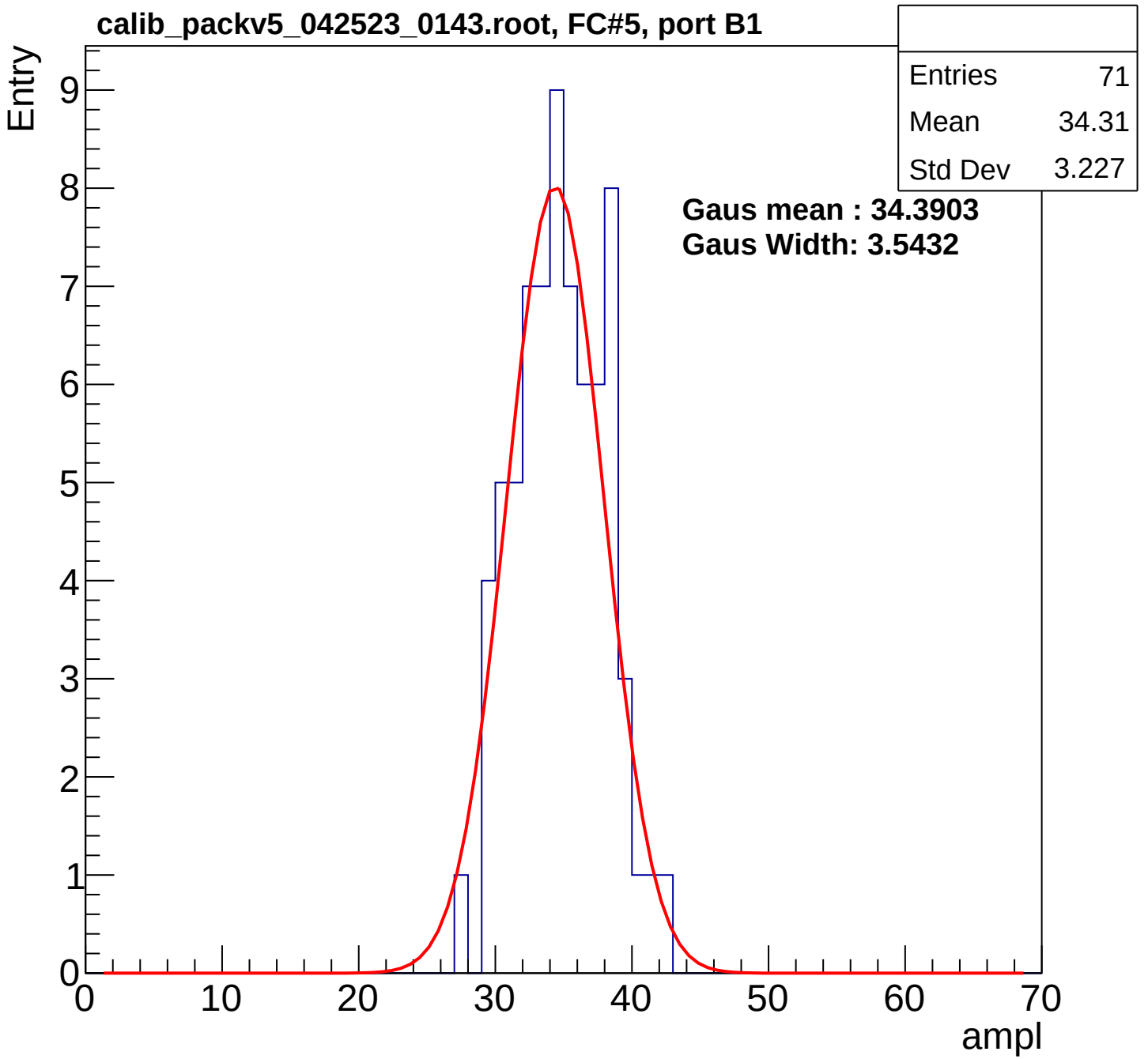
B0L000S, U20-ch20, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 34.31
Std Dev 3.227
Gaus mean : 34.3903
Gaus Width: 3.5432
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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60
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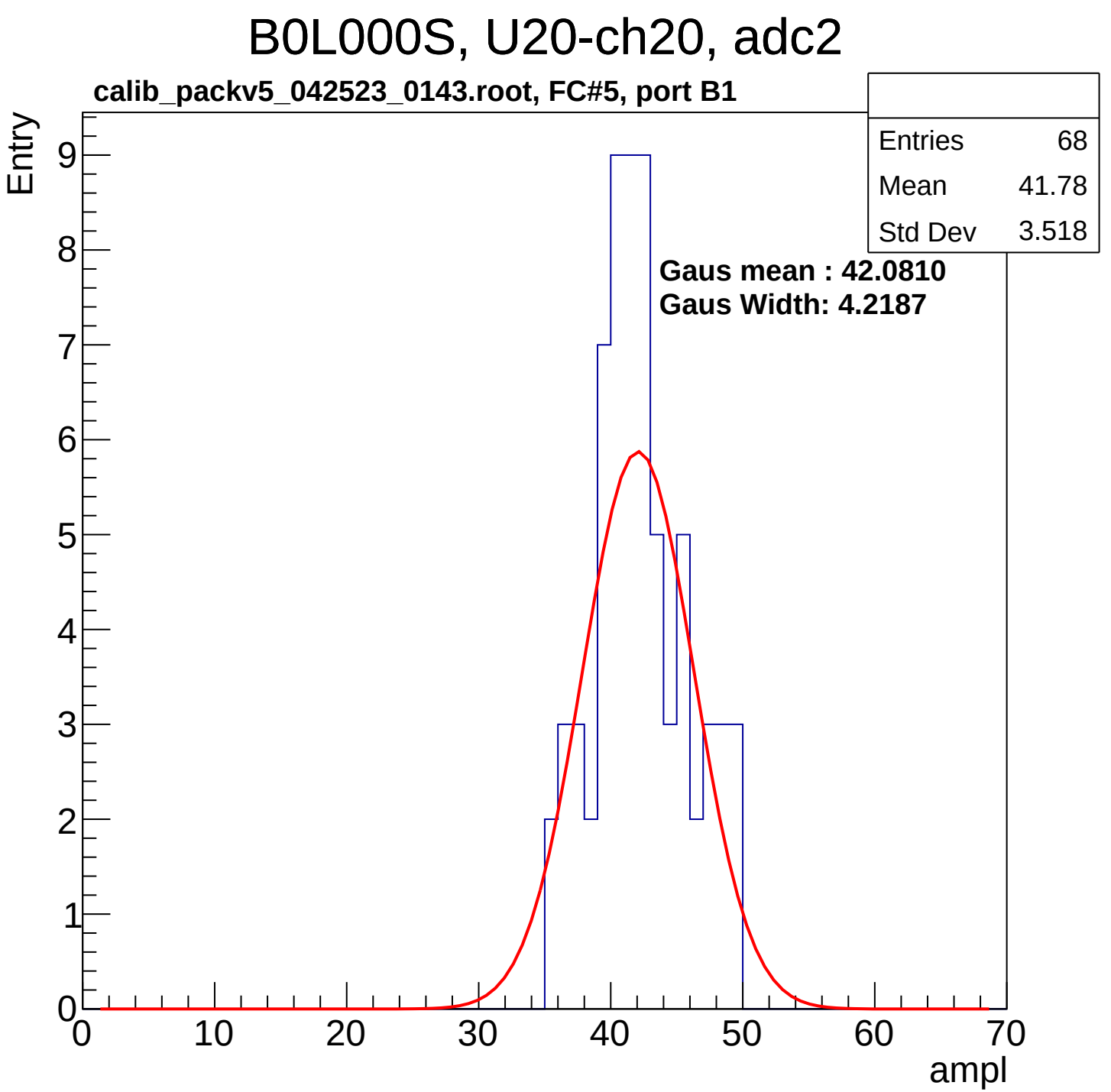
B0L000S, U20-ch20, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 41.78
Std Dev 3.518
Gaus mean : 42.0810
Gaus Width: 4.2187
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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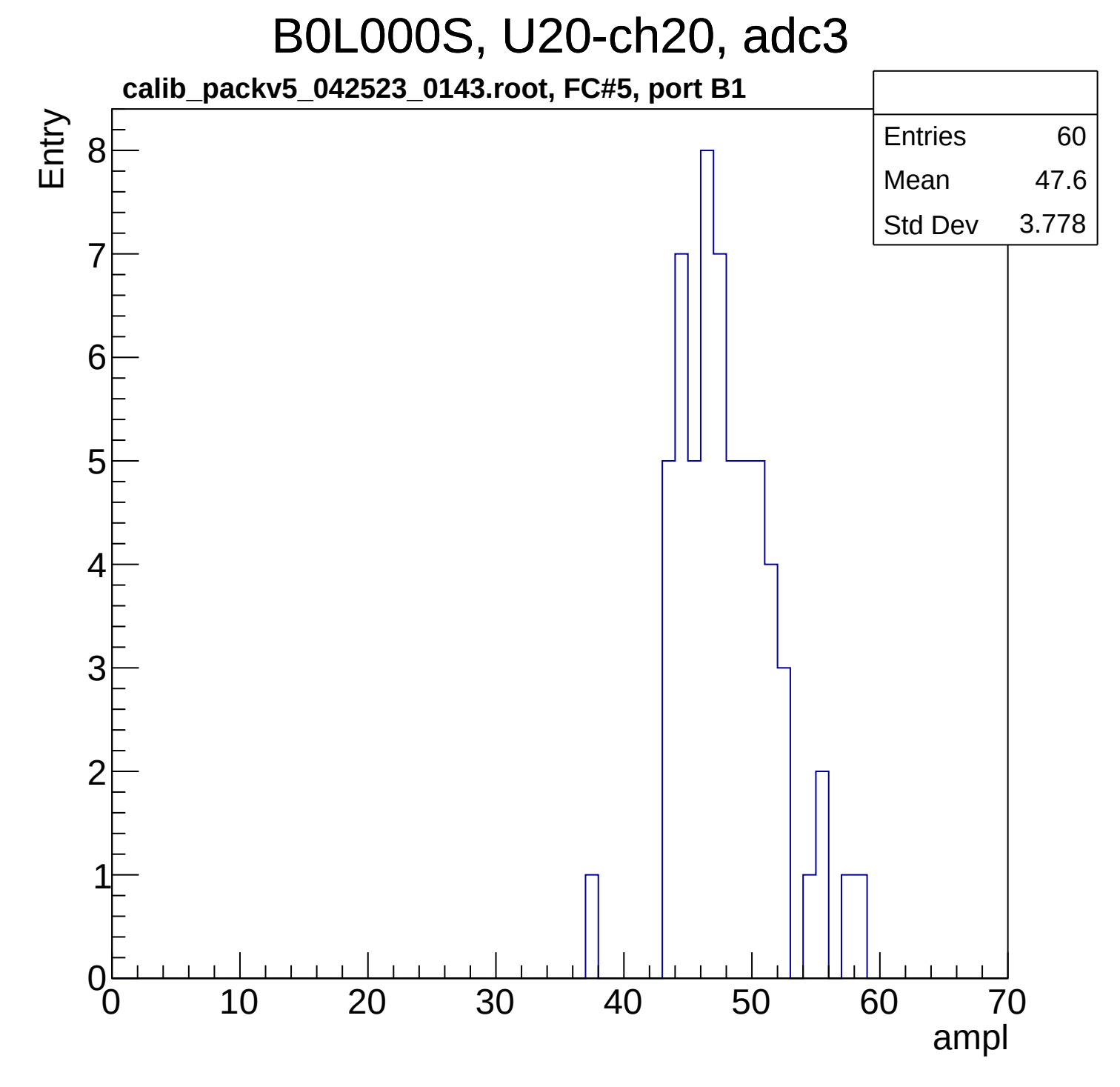
B0L000S, U20-ch20, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 47.6
Std Dev 3.778
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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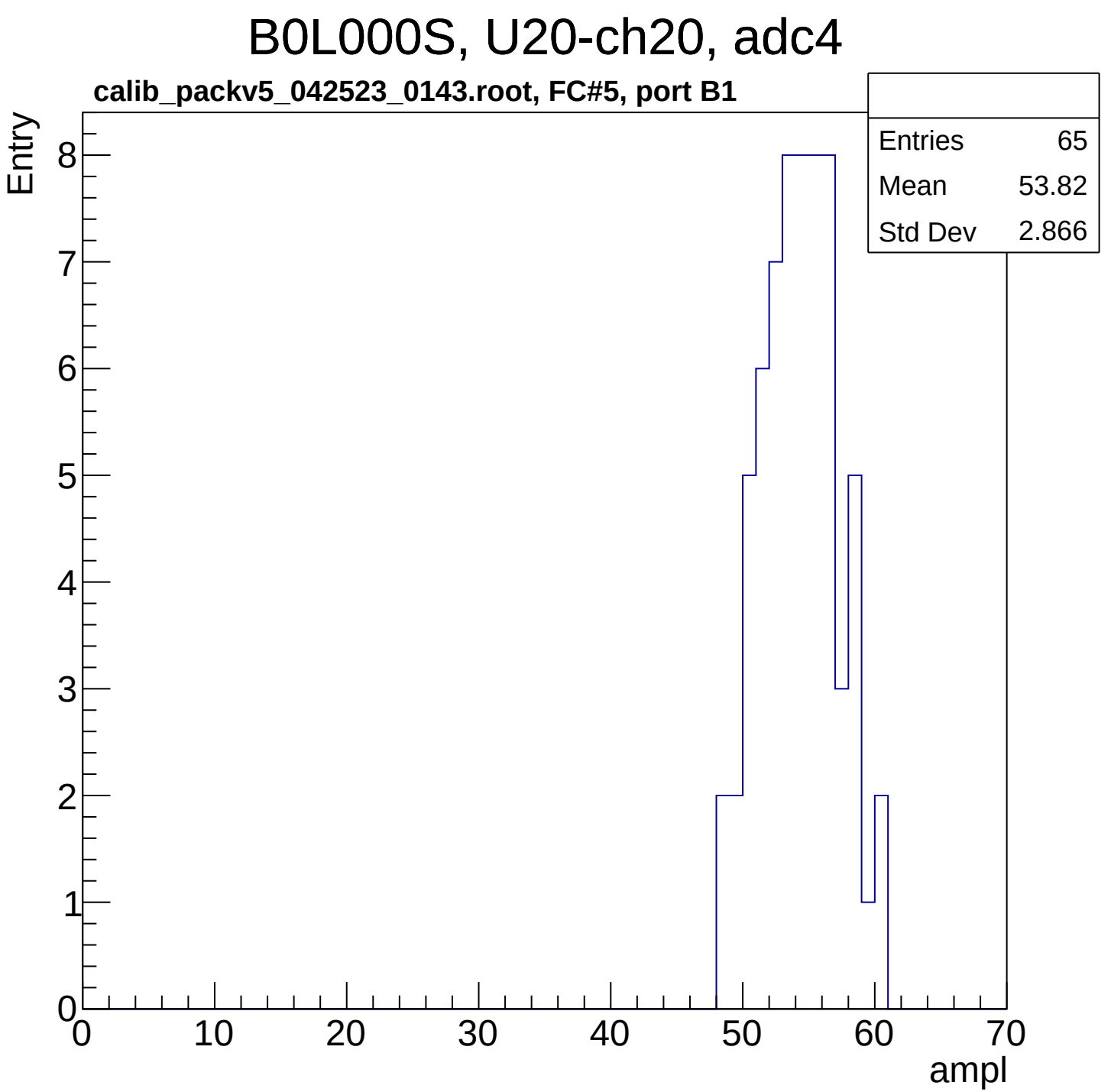
B0L000S, U20-ch20, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 53.82
Std Dev 2.866
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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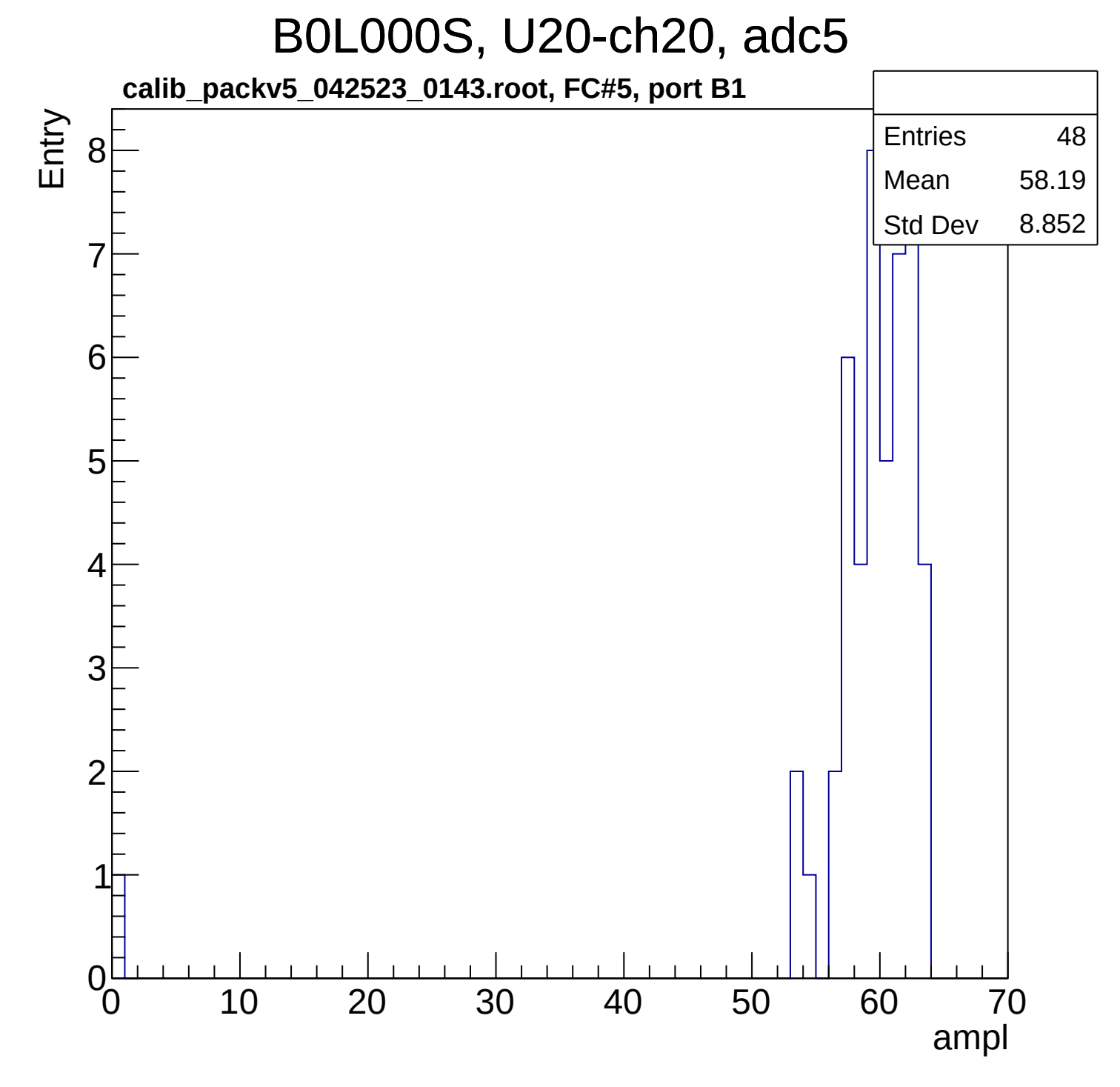
B0L000S, U20-ch20, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 58.19
Std Dev 8.852
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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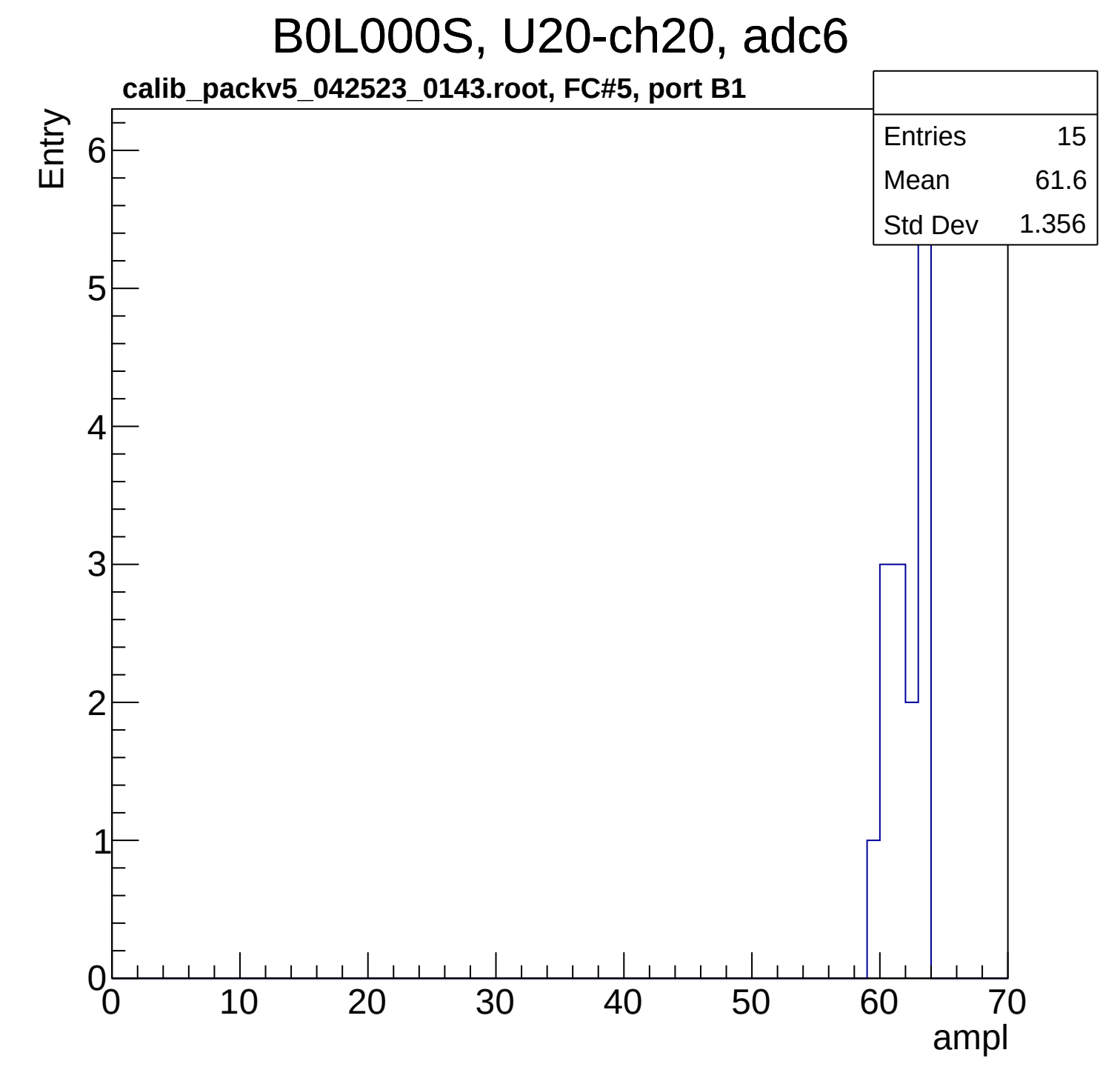
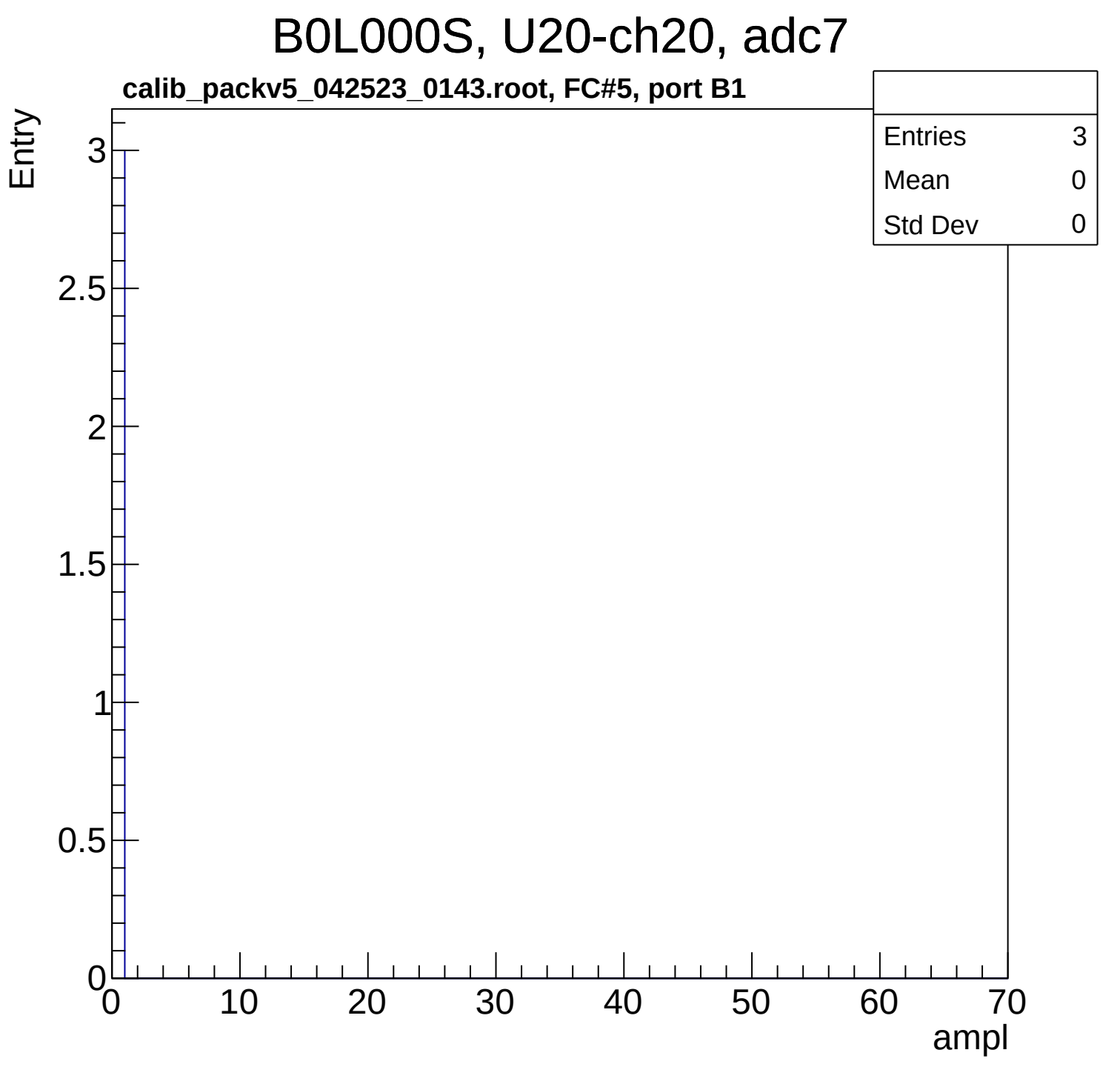

B0L000S, U20-ch20, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 15
Mean 61.6
Std Dev 1.356
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch20, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
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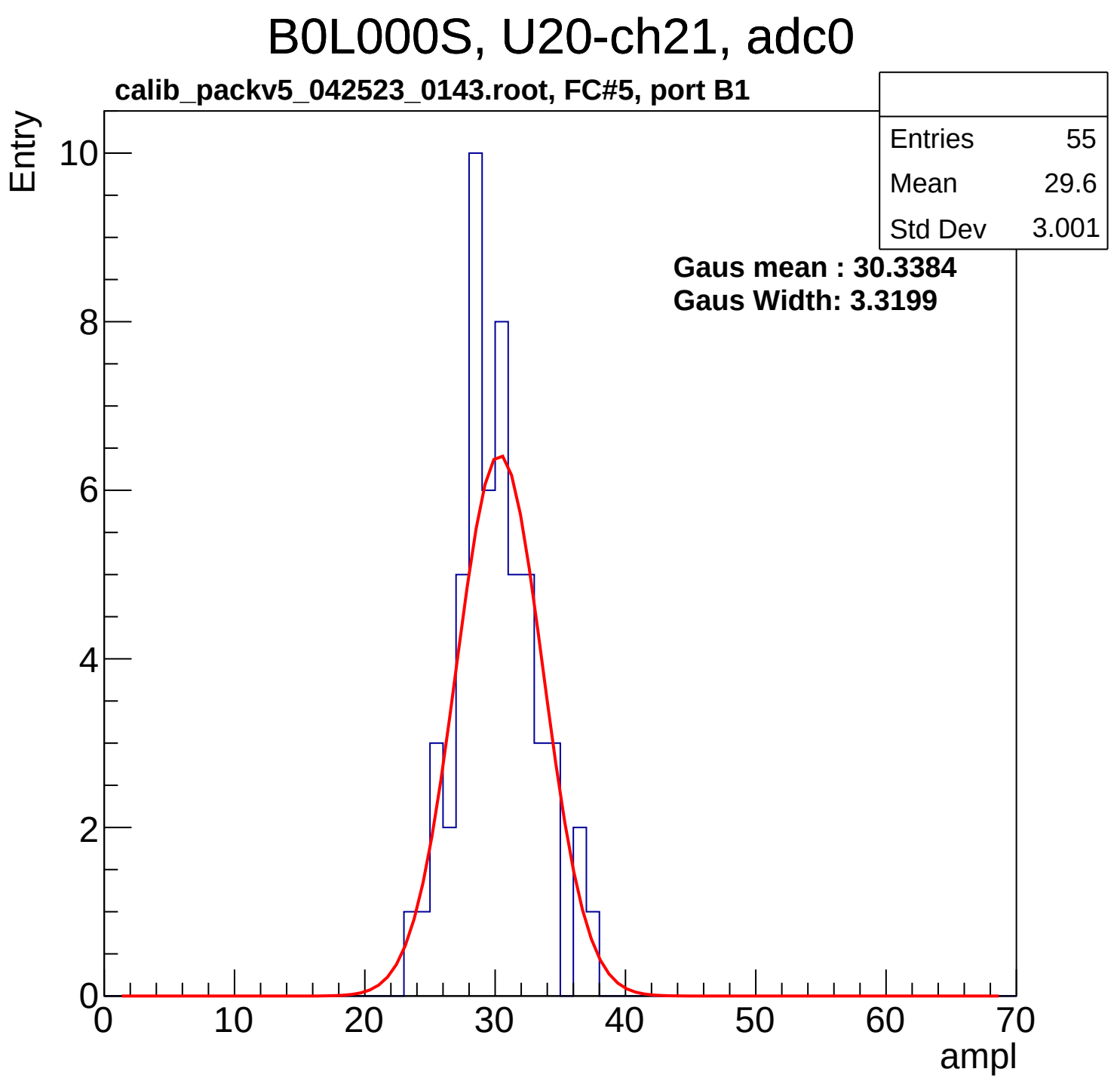
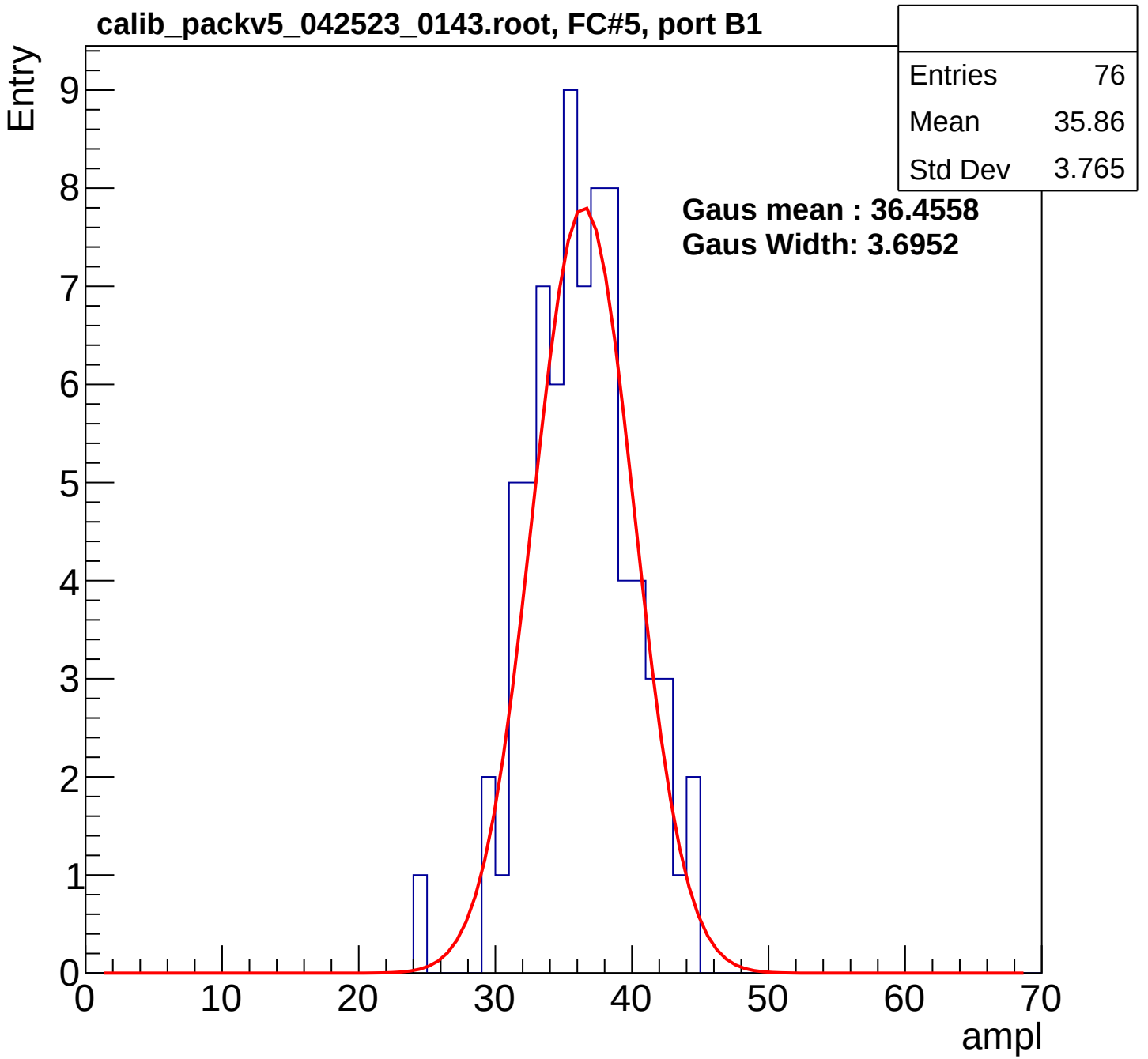
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch21, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 29.6
Std Dev 3.001
Gaus mean : 30.3384
Gaus Width: 3.3199
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch21, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 35.86
Std Dev 3.765
Gaus mean : 36.4558
Gaus Width: 3.6952
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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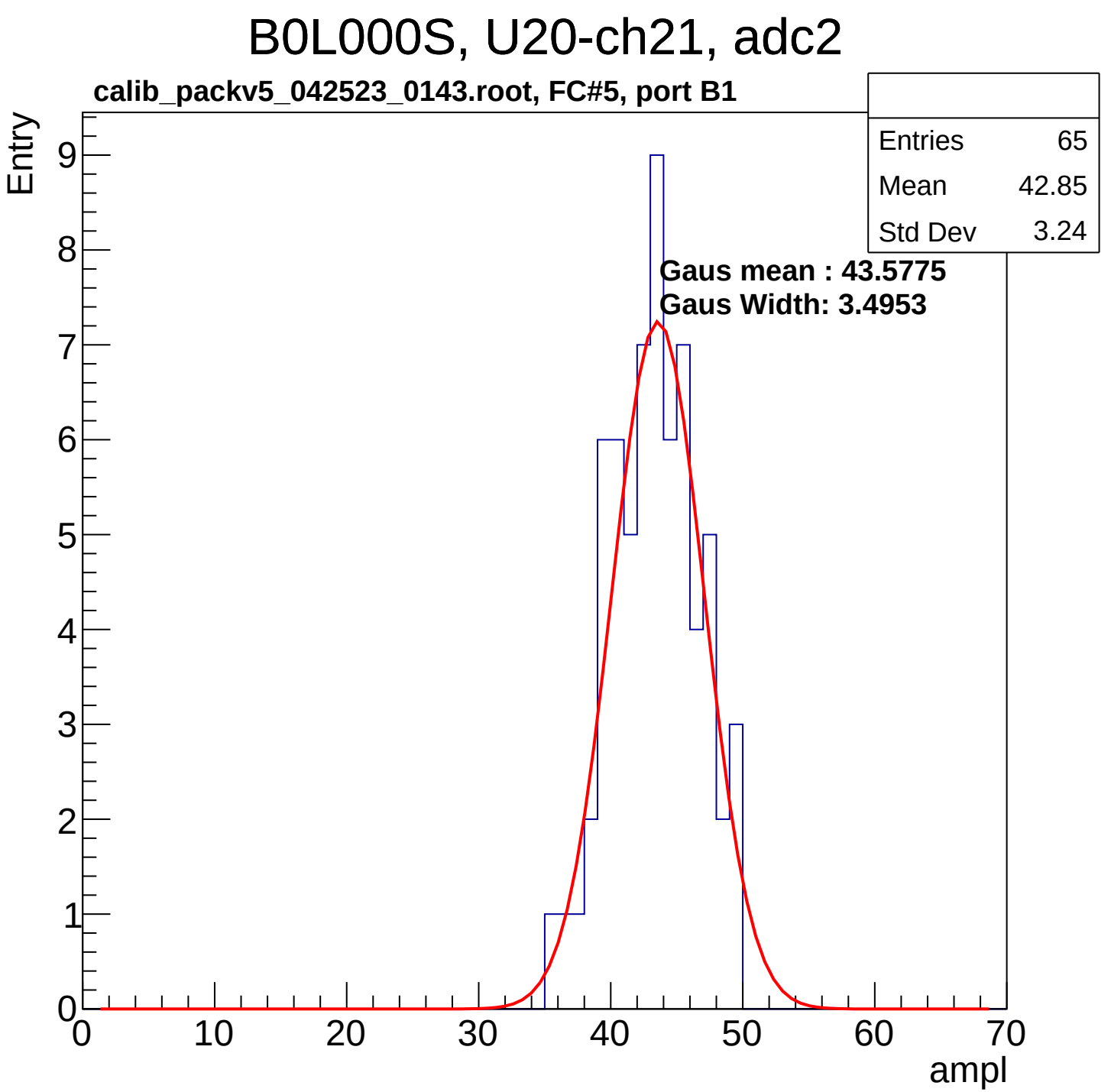
B0L000S, U20-ch21, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 42.85
Std Dev 3.24
Gaus mean : 43.5775
Gaus Width: 3.4953
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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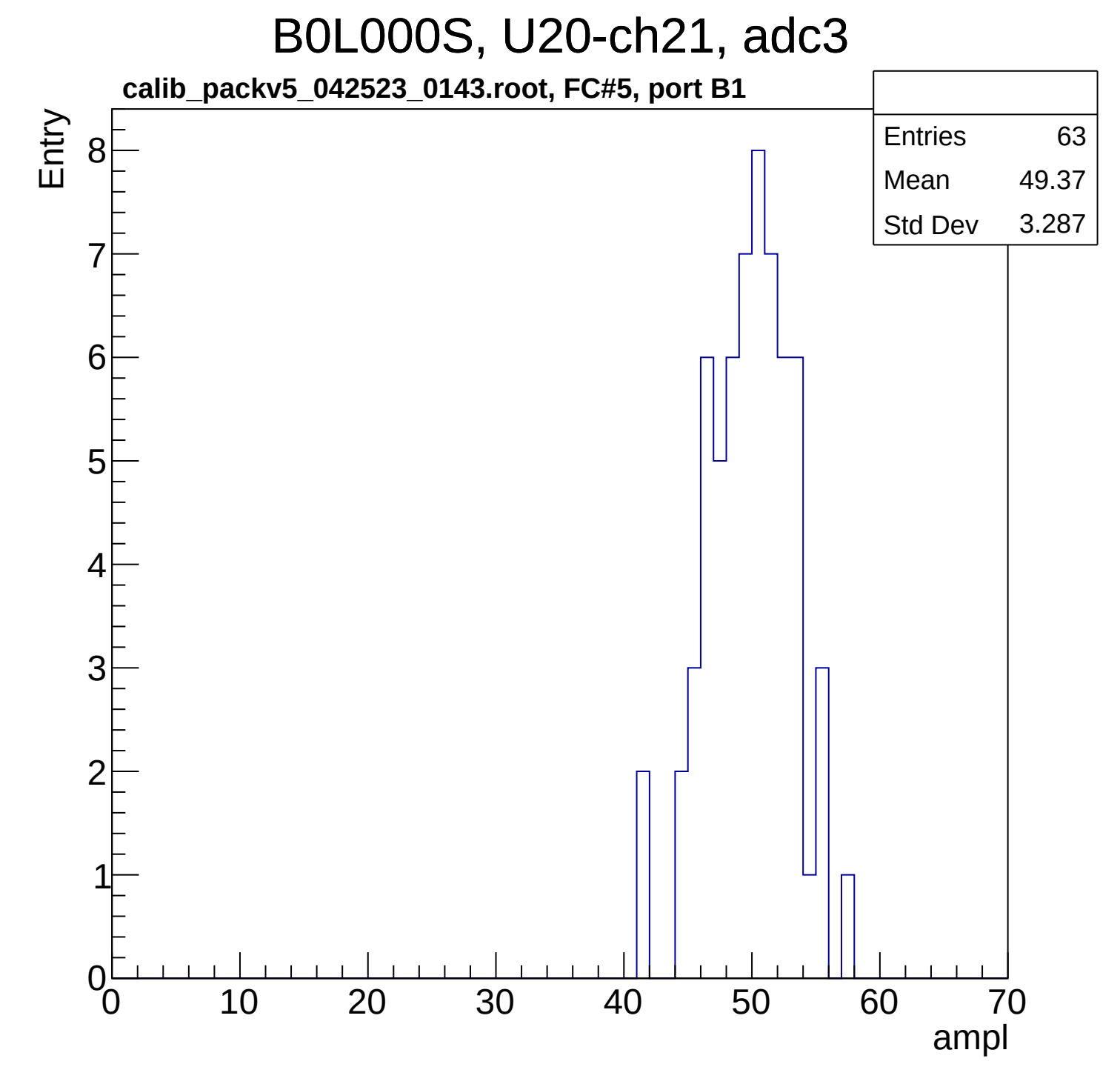
B0L000S, U20-ch21, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 49.37
Std Dev 3.287
Entry
ampl
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3
4
5
6
7
8
0
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20
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40
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60
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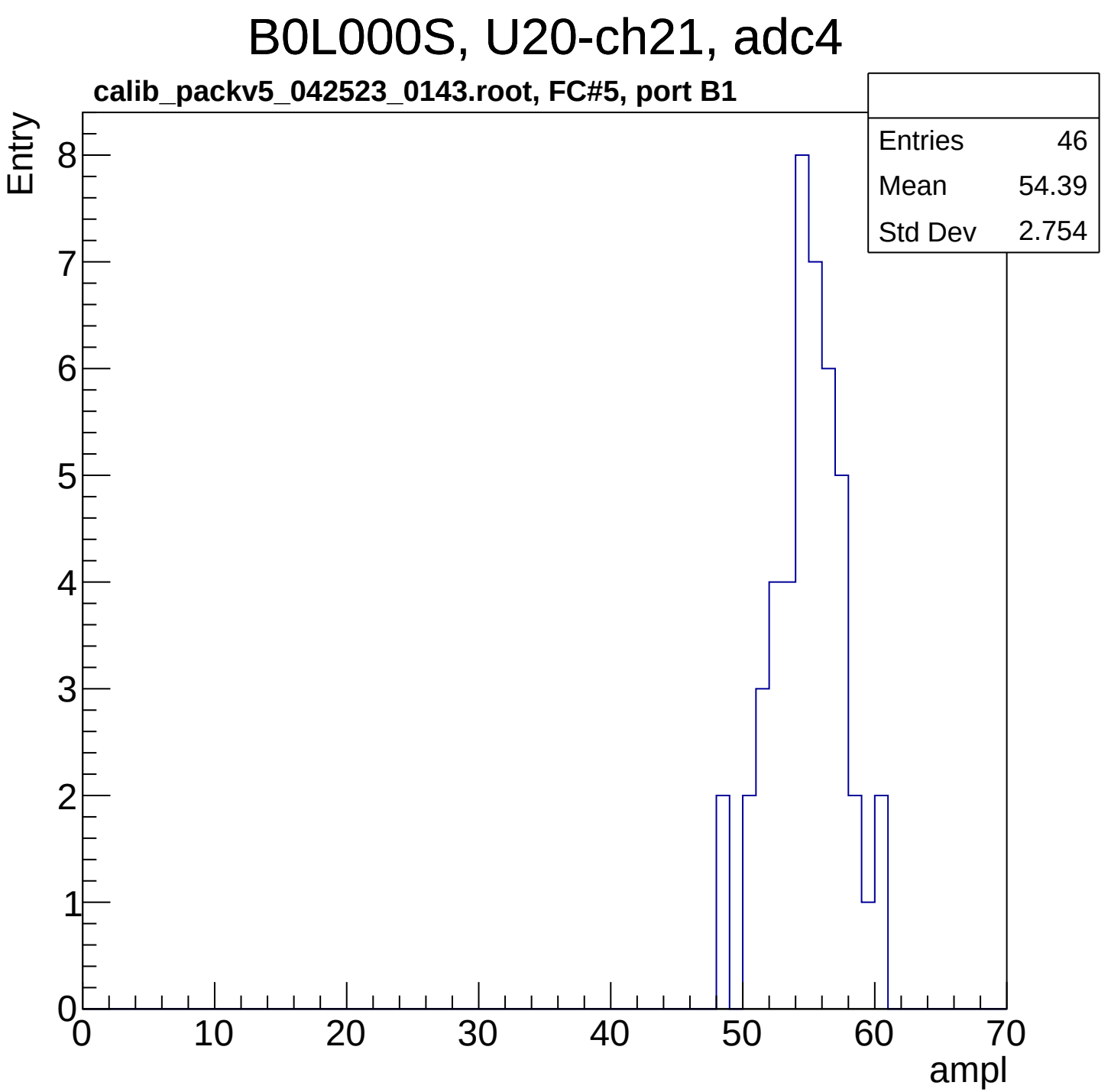
B0L000S, U20-ch21, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 54.39
Std Dev 2.754
Entry
ampl
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2
3
4
5
6
7
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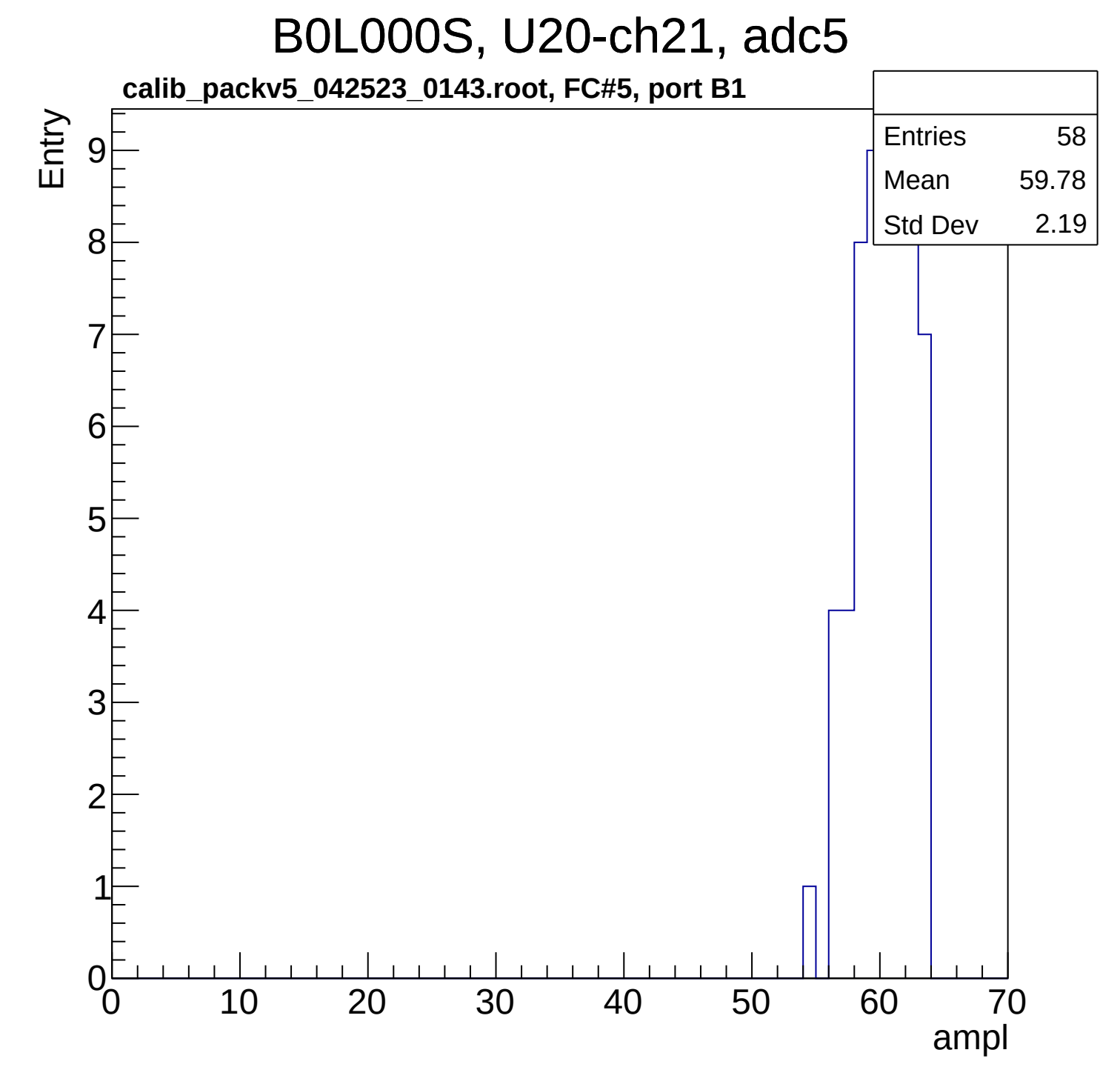
B0L000S, U20-ch21, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 59.78
Std Dev 2.19
Entry
ampl
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3
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6
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0
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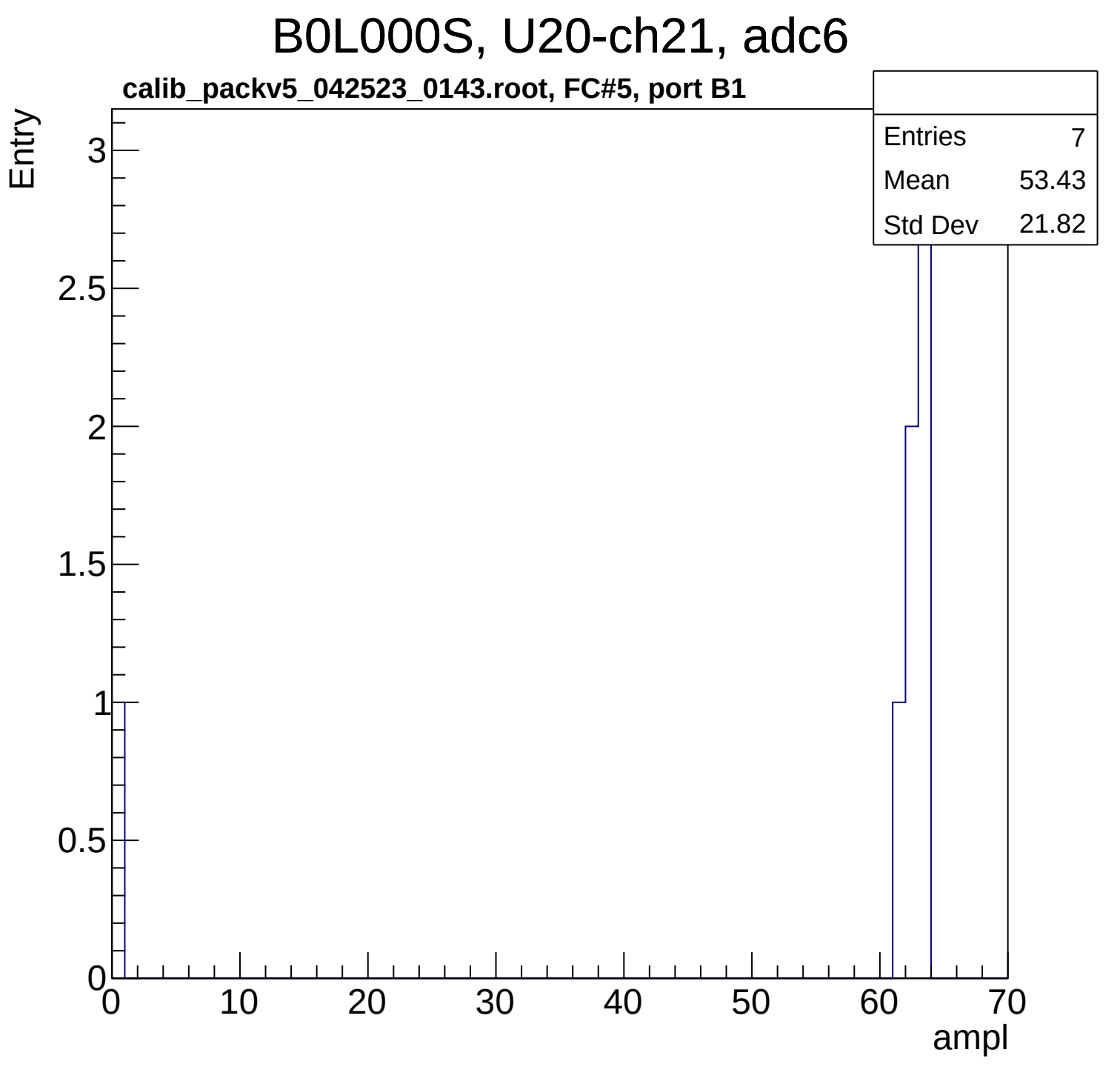
B0L000S, U20-ch21, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 53.43
Std Dev 21.82
Entry
ampl
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0.5
1
1.5
2
2.5
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0
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60
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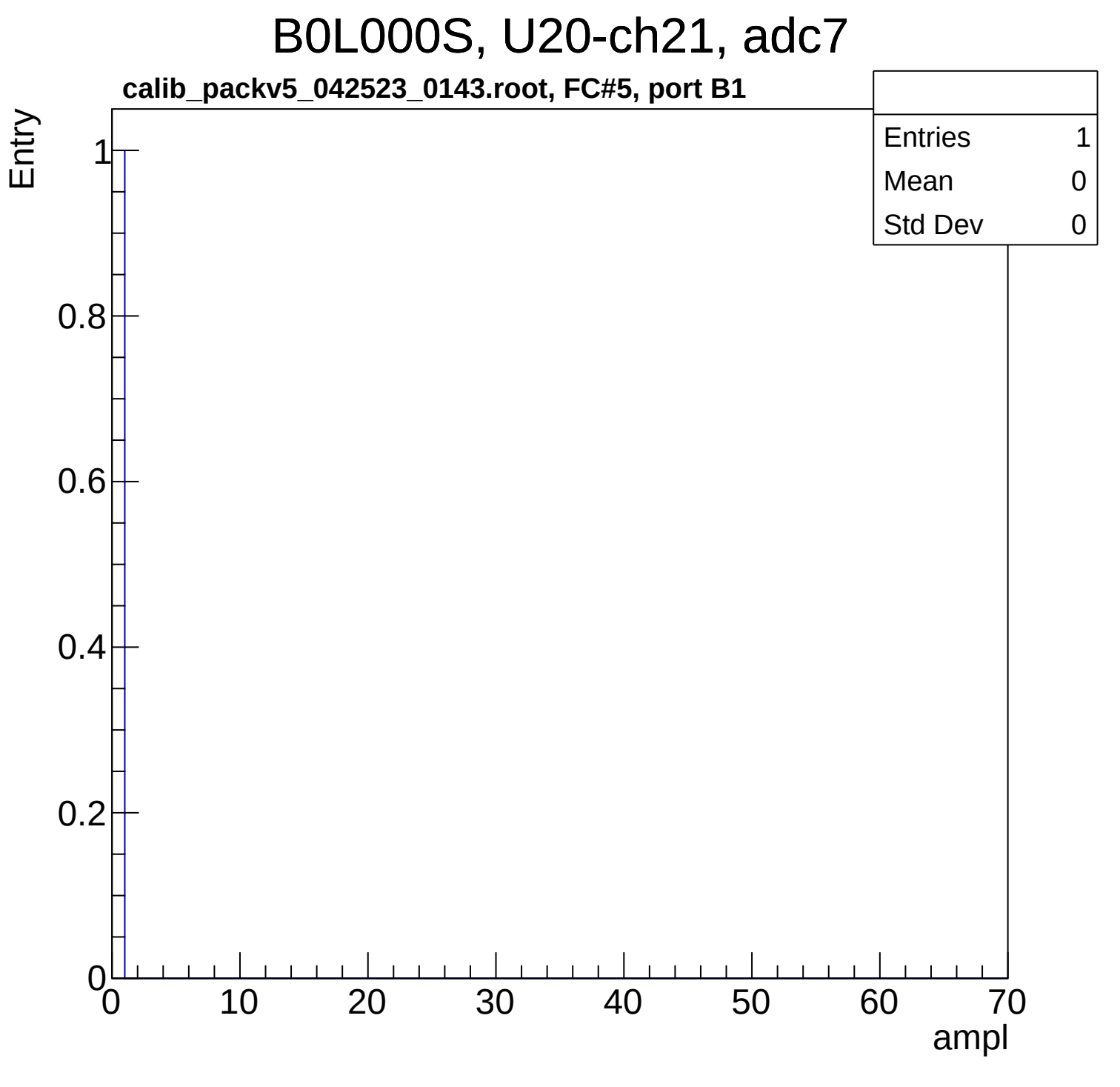
B0L000S, U20-ch21, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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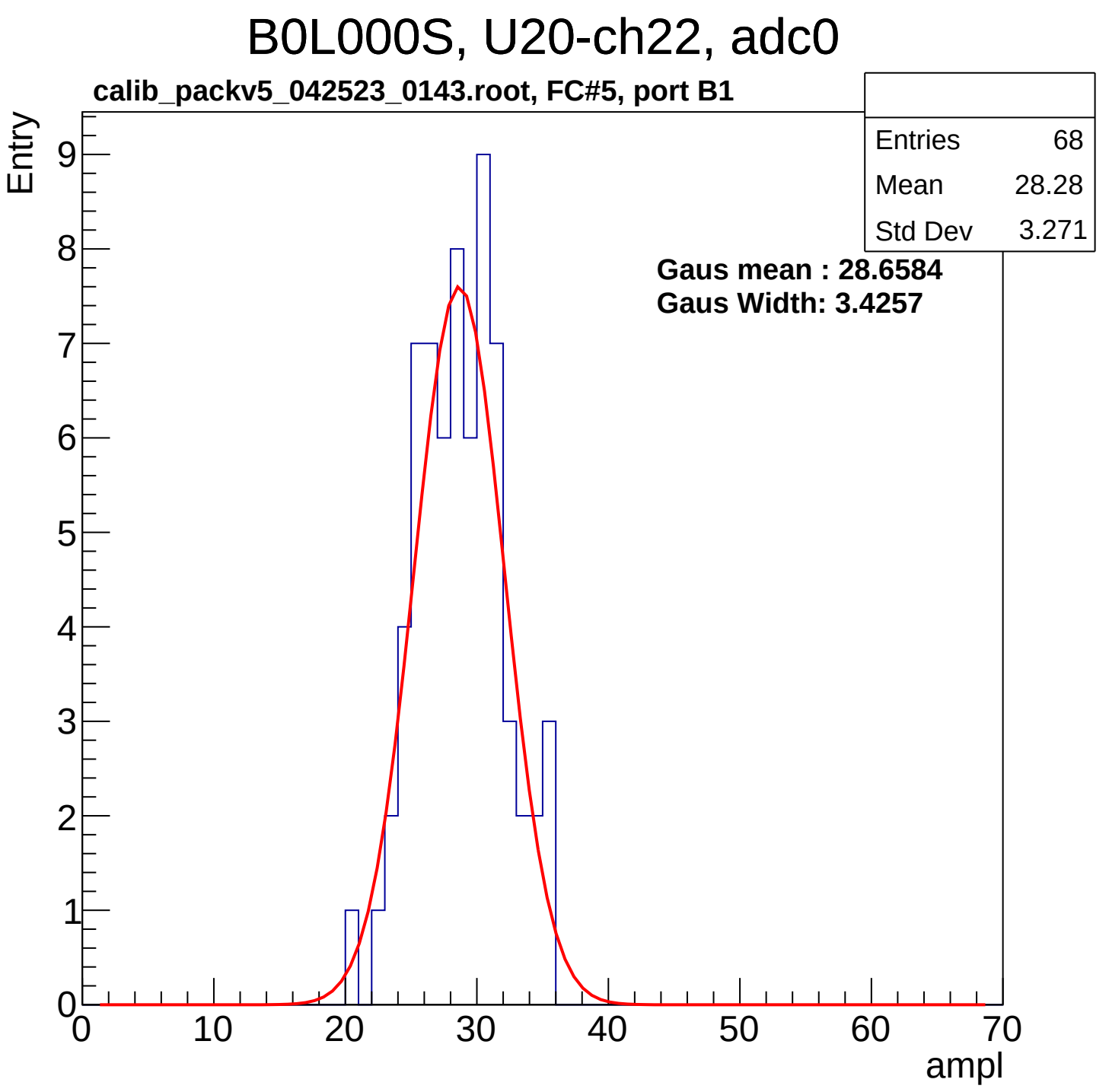
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch22, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 28.28
Std Dev 3.271
Gaus mean : 28.6584
Gaus Width: 3.4257
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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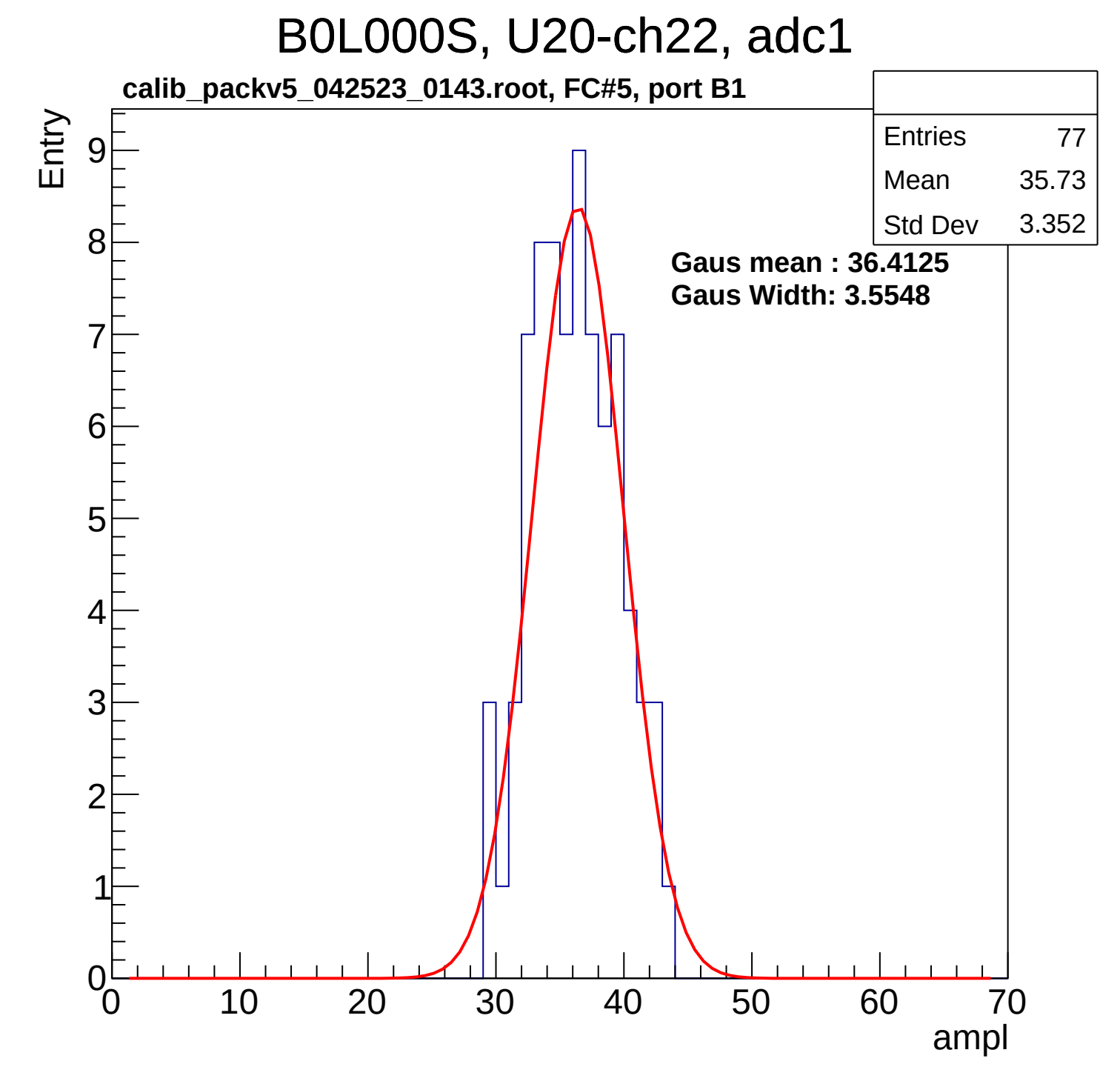
B0L000S, U20-ch22, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 35.73
Std Dev 3.352
Gaus mean : 36.4125
Gaus Width: 3.5548
Entry
ampl
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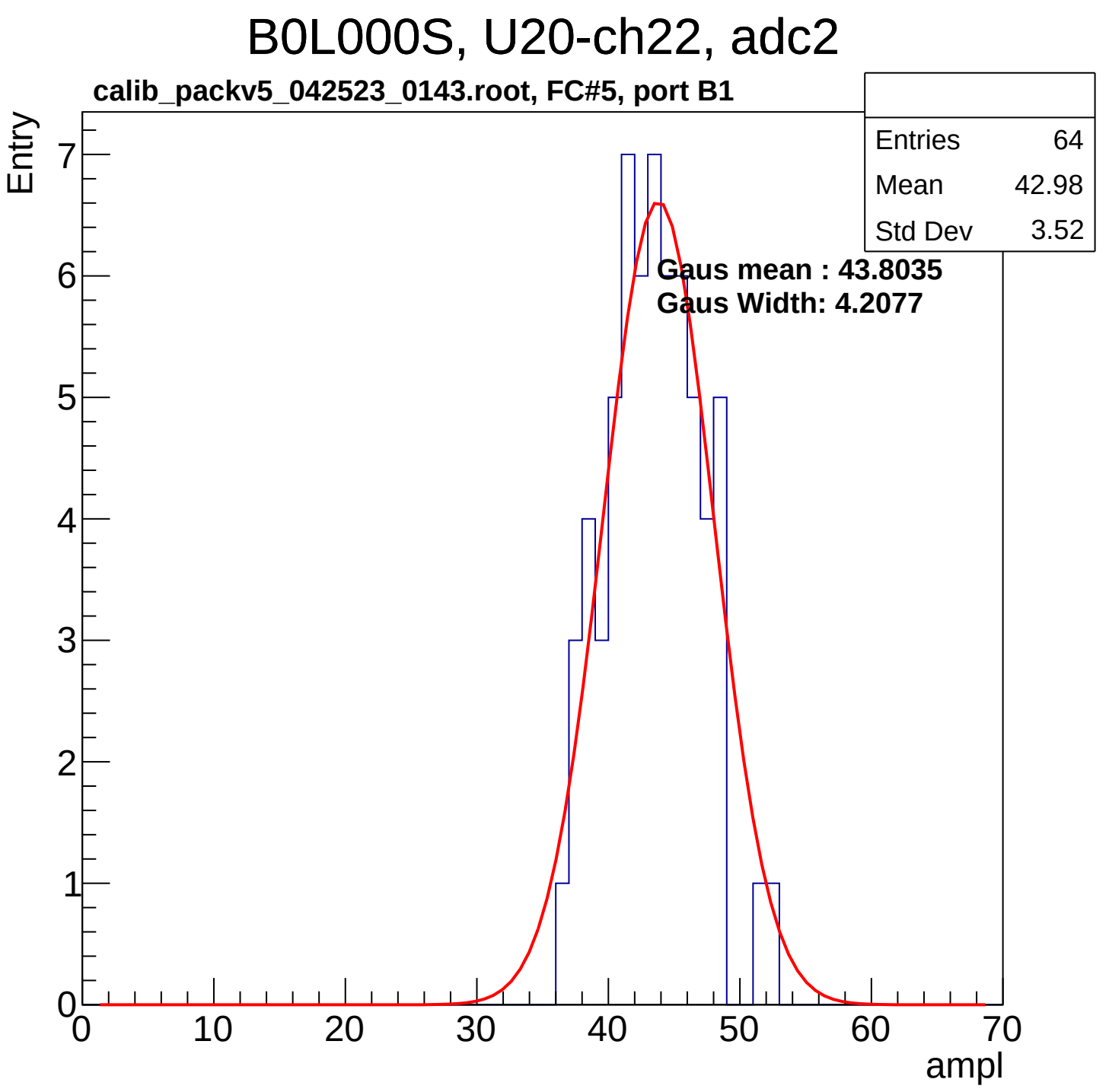
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch22, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 42.98
Std Dev 3.52
Gaus mean : 43.8035
Gaus Width: 4.2077
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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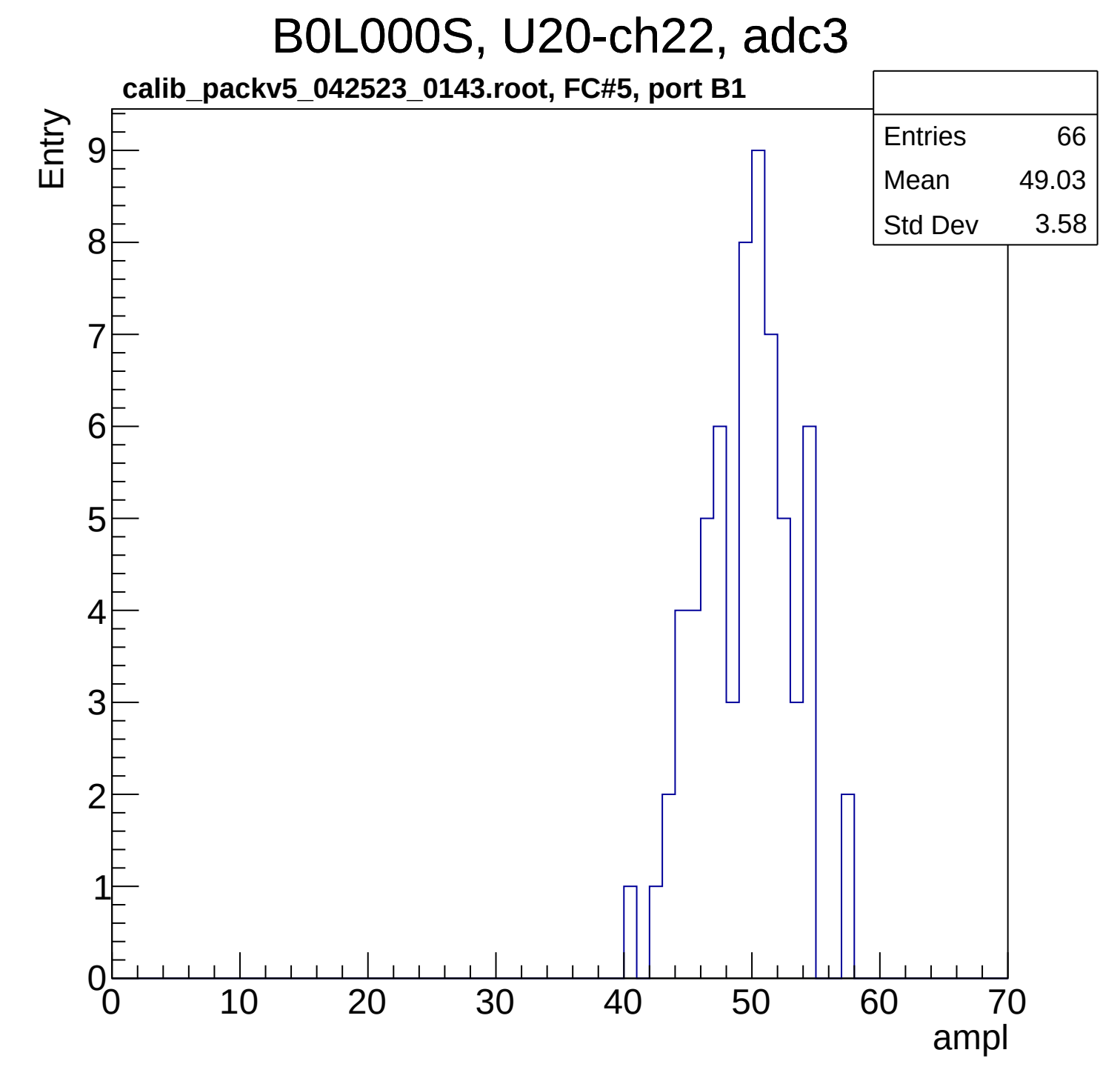
B0L000S, U20-ch22, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 49.03
Std Dev 3.58
Entry
ampl
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2
3
4
5
6
7
8
9
0
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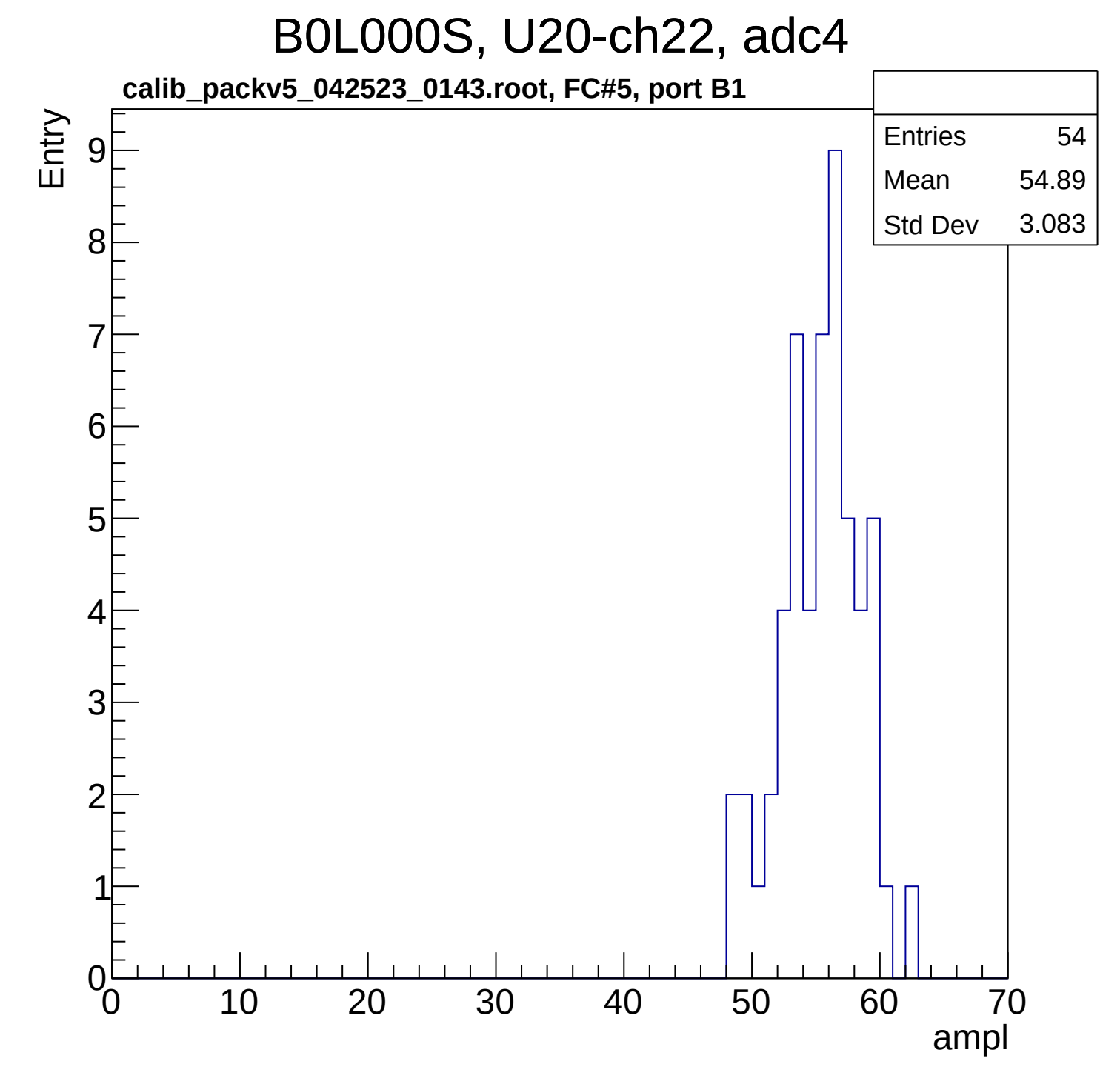
B0L000S, U20-ch22, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 54.89
Std Dev 3.083
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
30
40
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60
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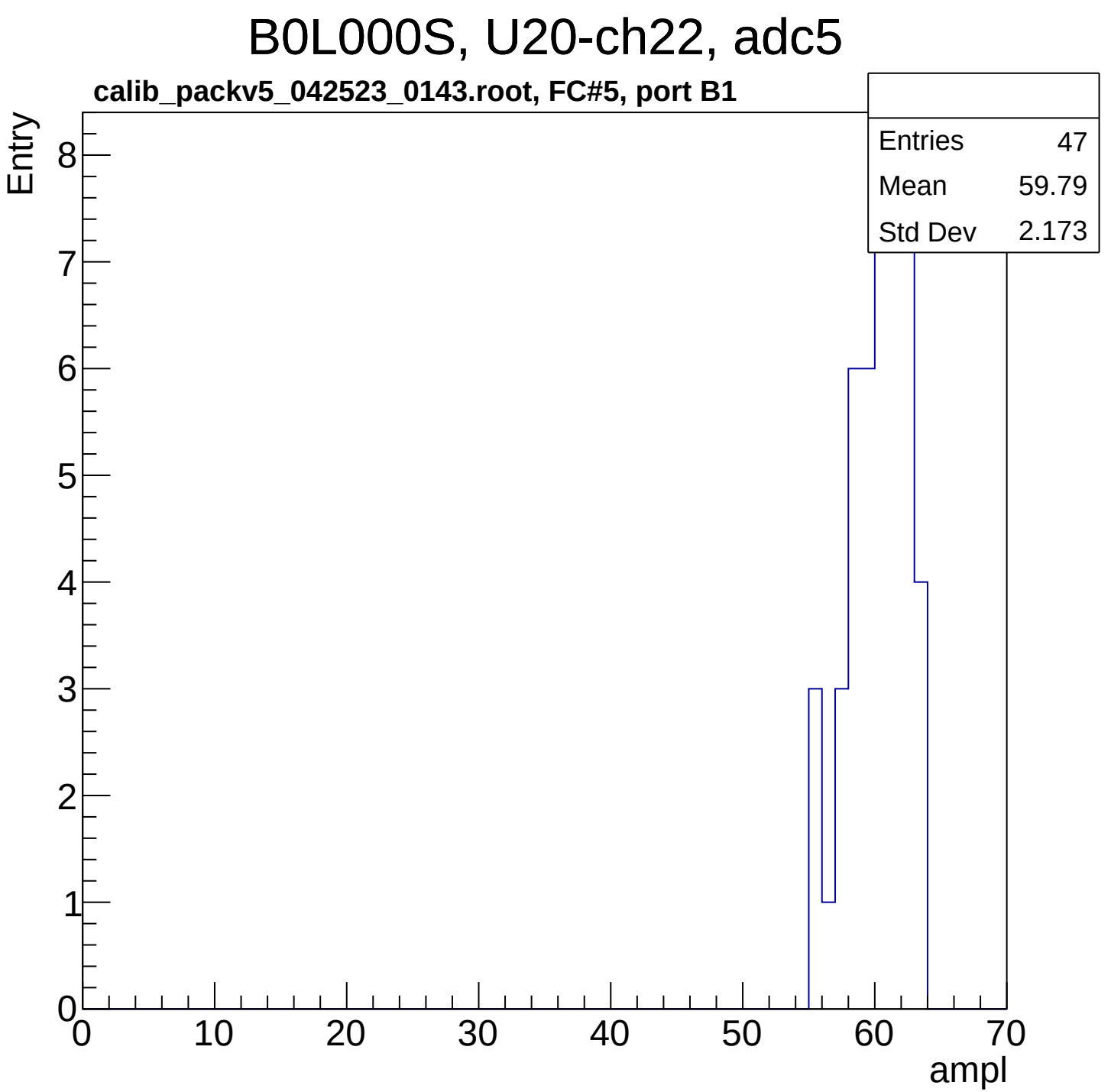
B0L000S, U20-ch22, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 59.79
Std Dev 2.173
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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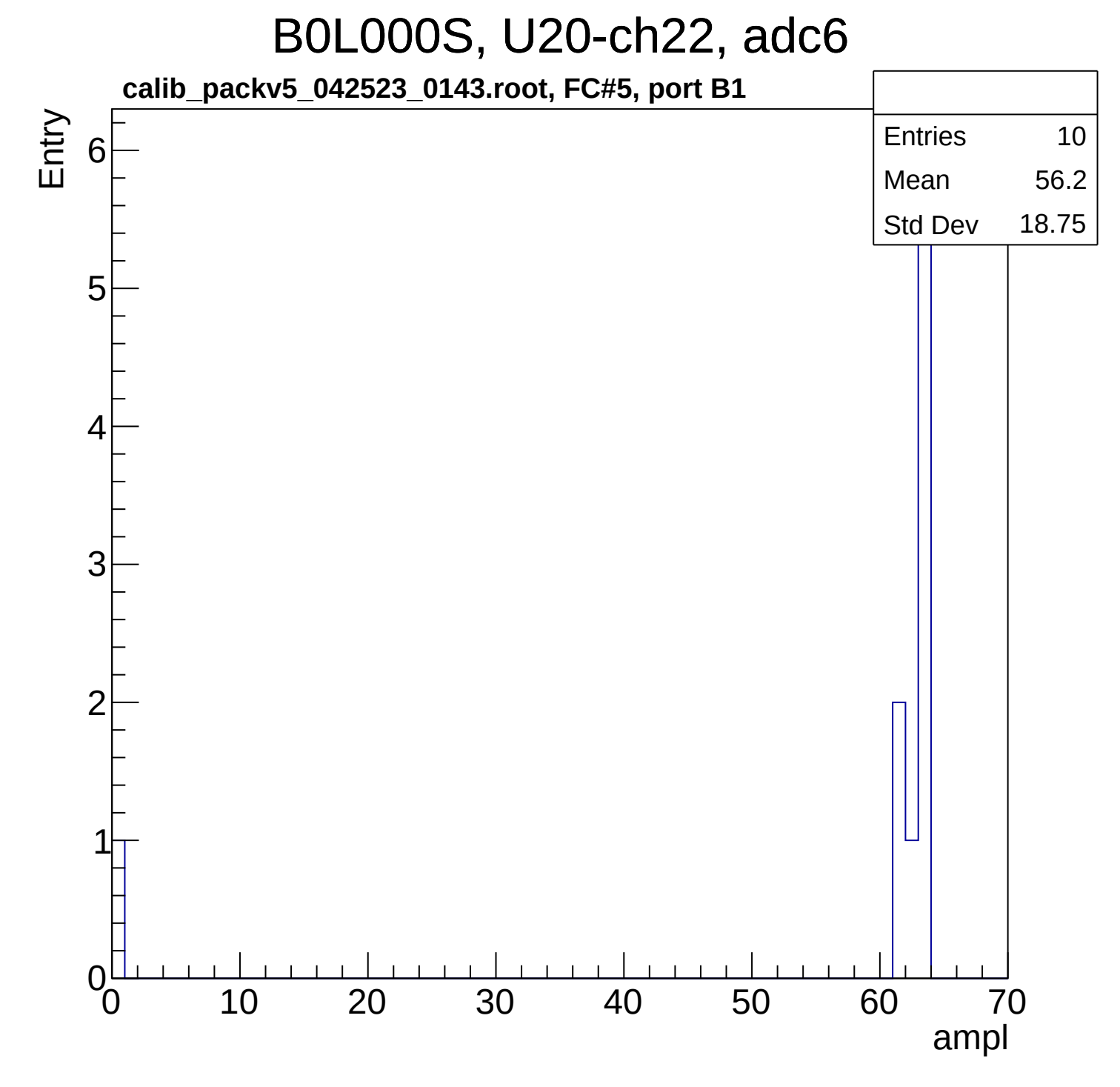
B0L000S, U20-ch22, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 56.2
Std Dev 18.75
Entry
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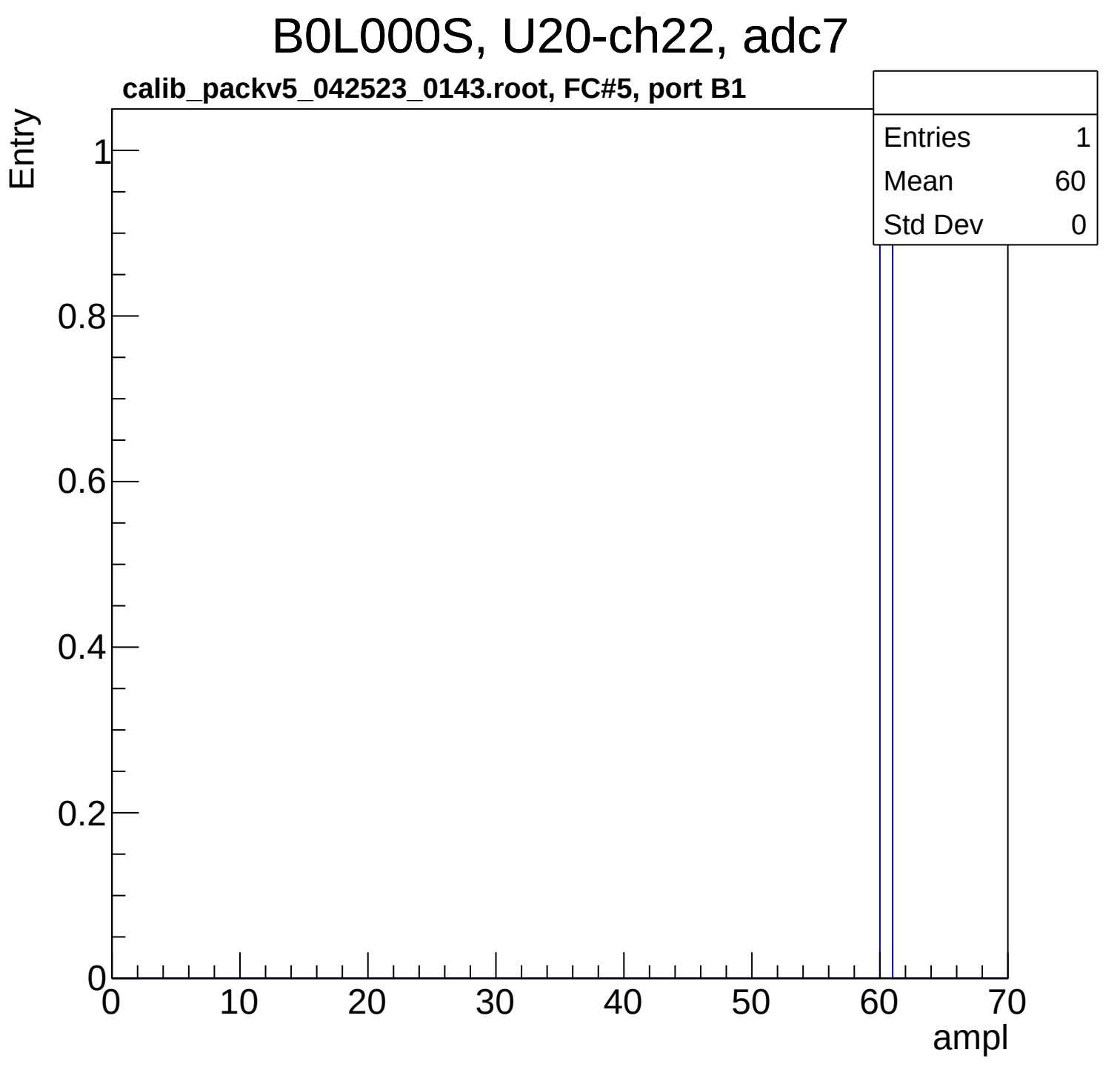
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch22, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 60
Std Dev 0
Entry
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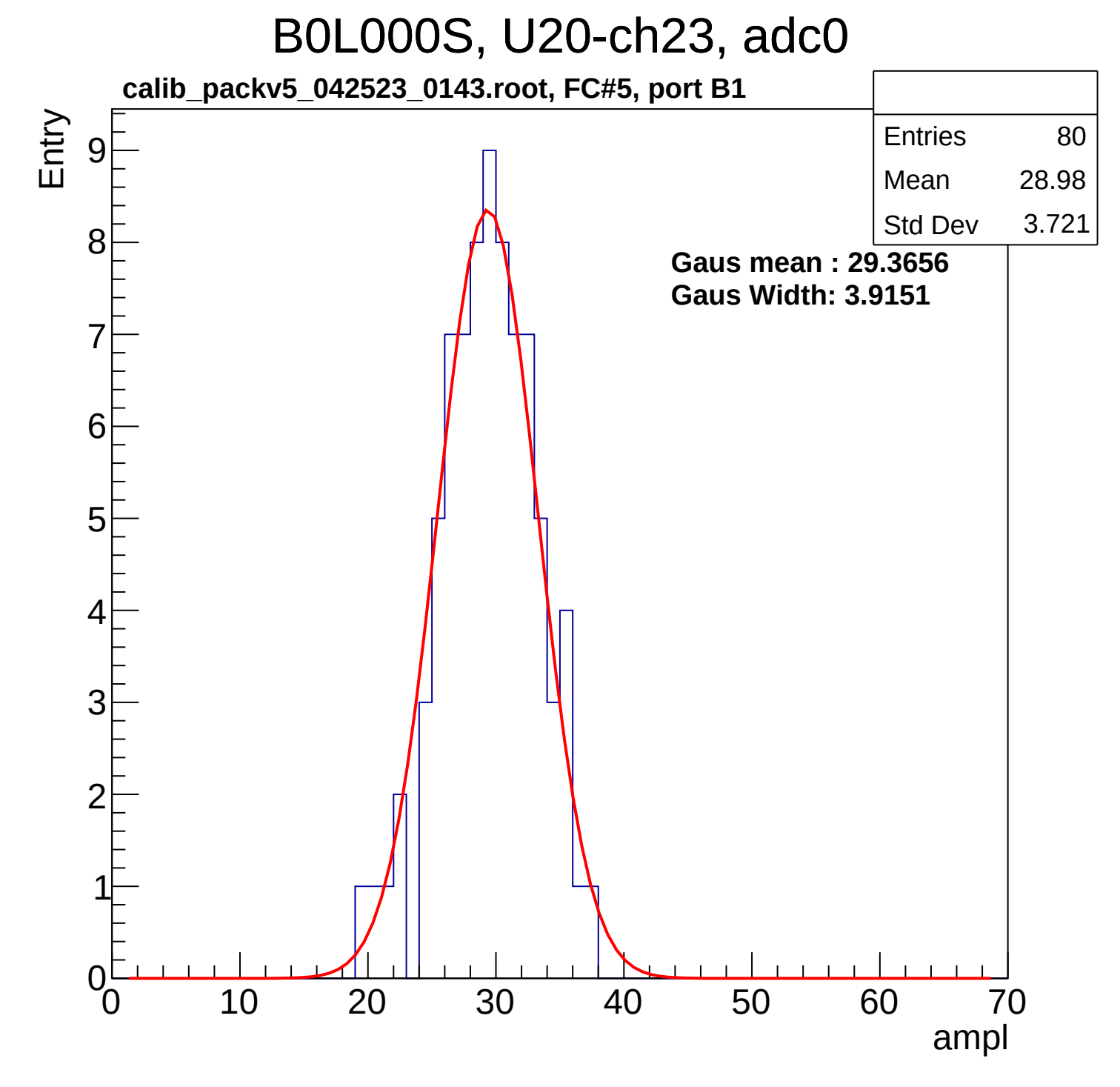
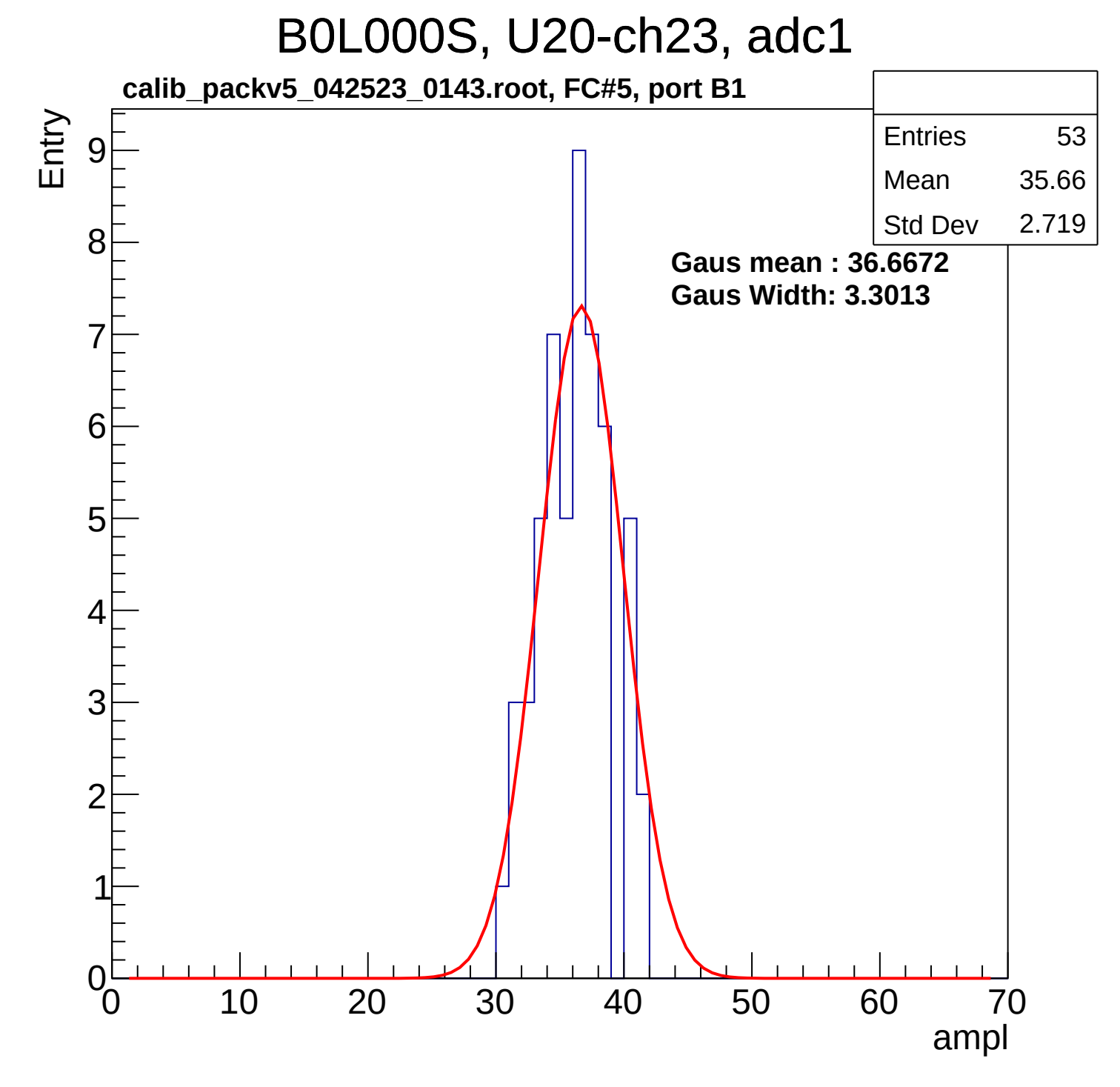
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch23, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 28.98
Std Dev 3.721
Gaus mean : 29.3656
Gaus Width: 3.9151
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch23, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 35.66
Std Dev 2.719
Gaus mean : 36.6672
Gaus Width: 3.3013
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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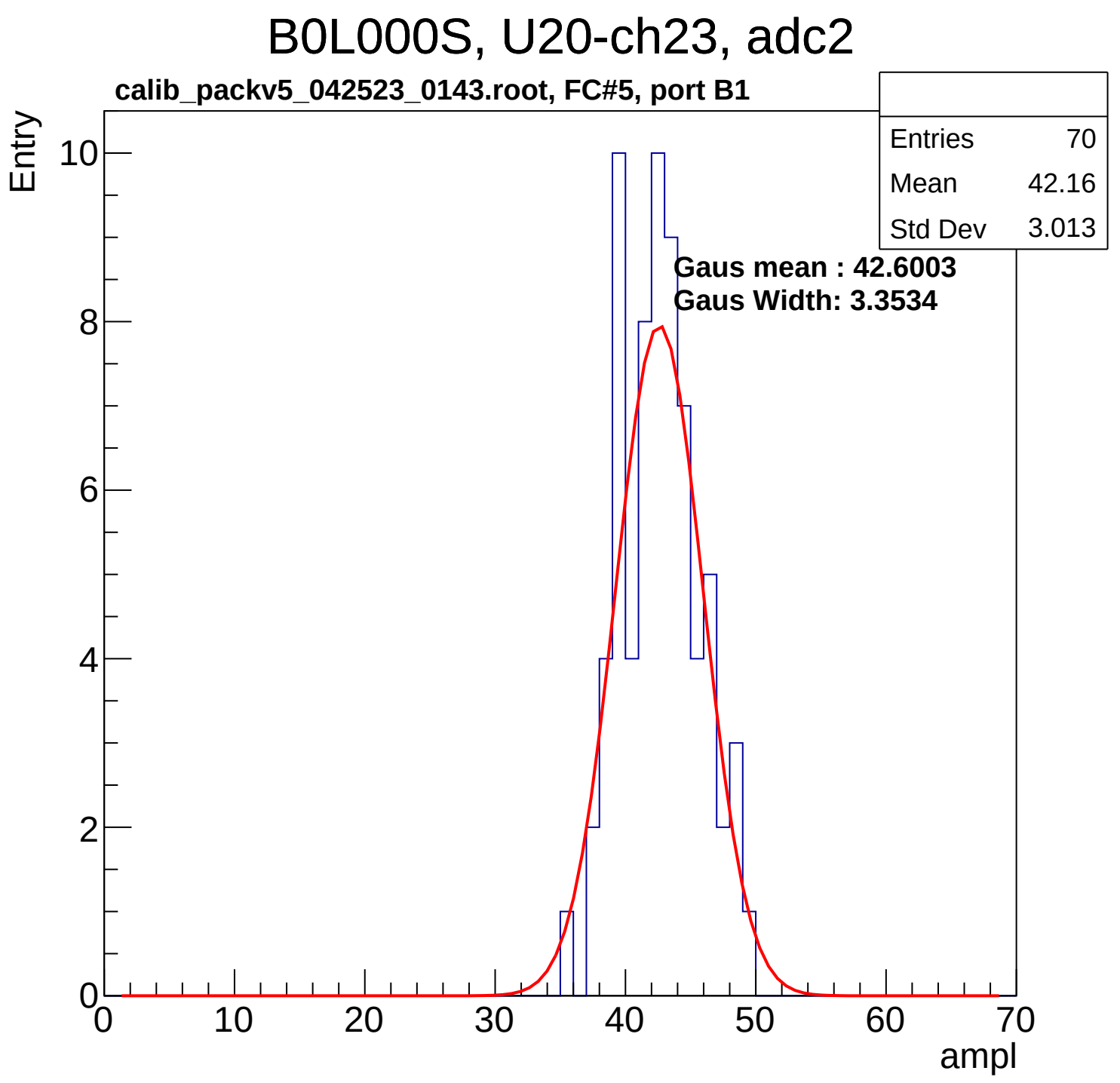
B0L000S, U20-ch23, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 42.16
Std Dev 3.013
Gaus mean : 42.6003
Gaus Width: 3.3534
Entry
ampl
0
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4
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0
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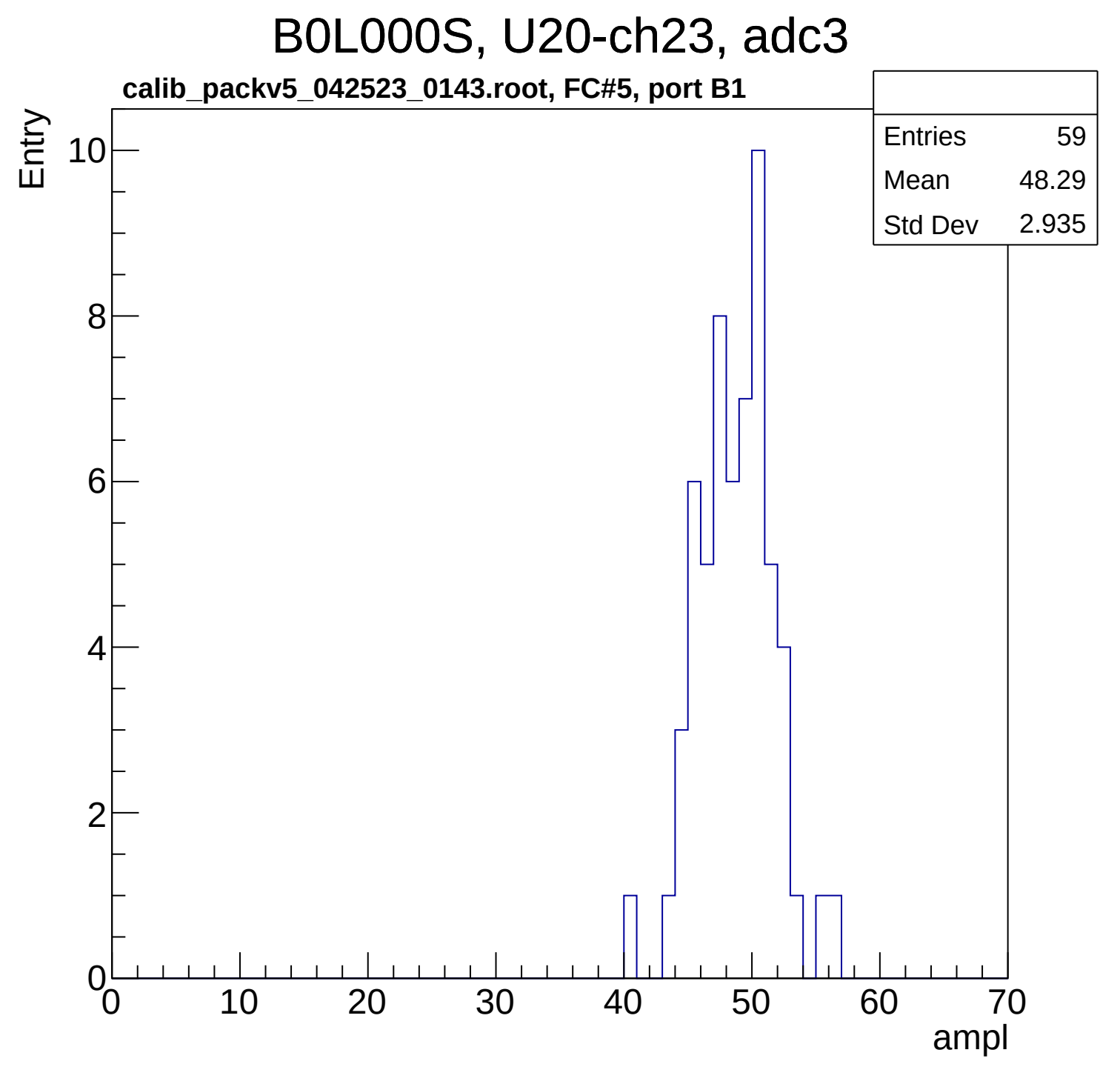
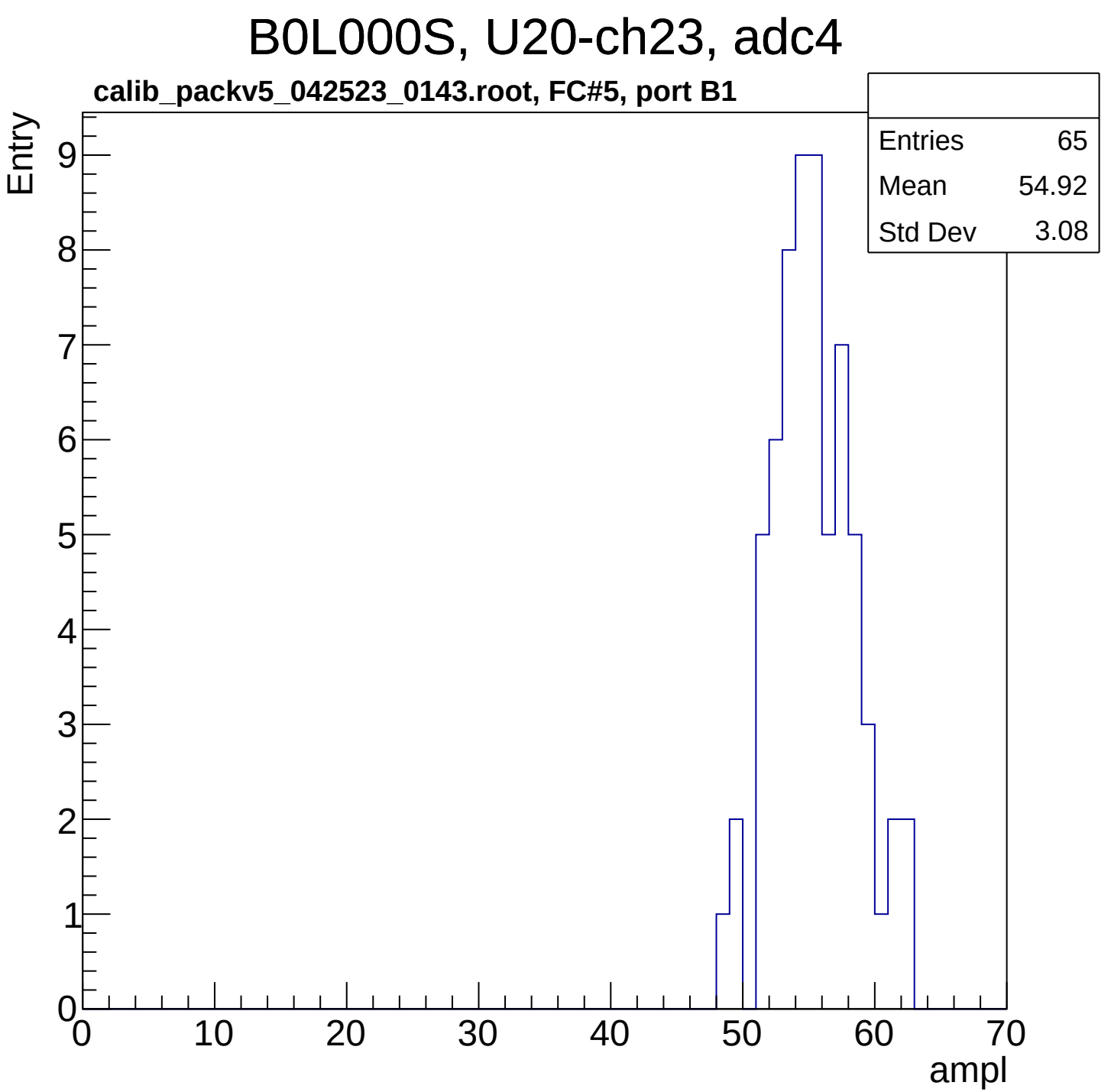

B0L000S, U20-ch23, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 48.29
Std Dev 2.935
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch23, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 54.92
Std Dev 3.08
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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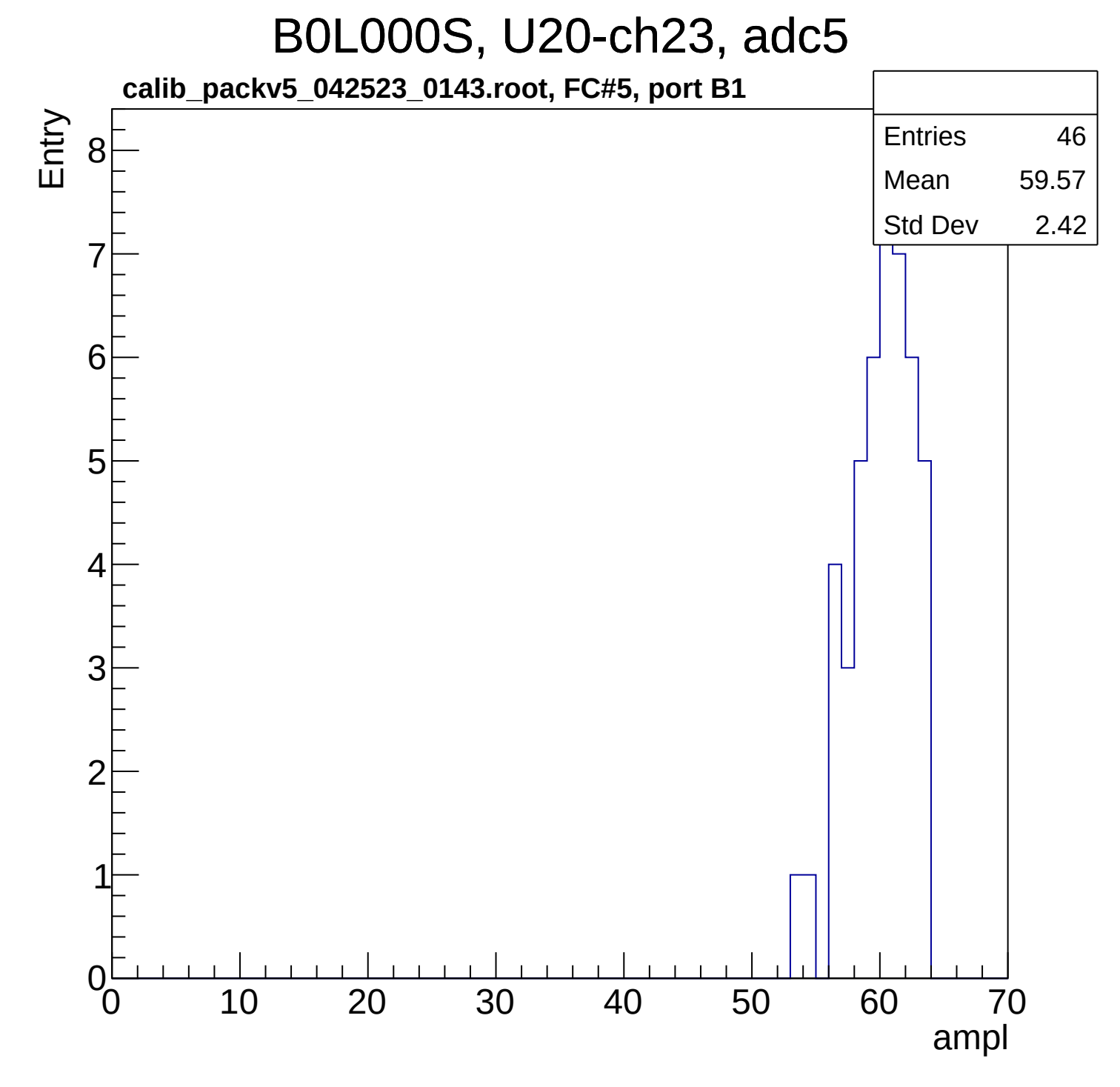
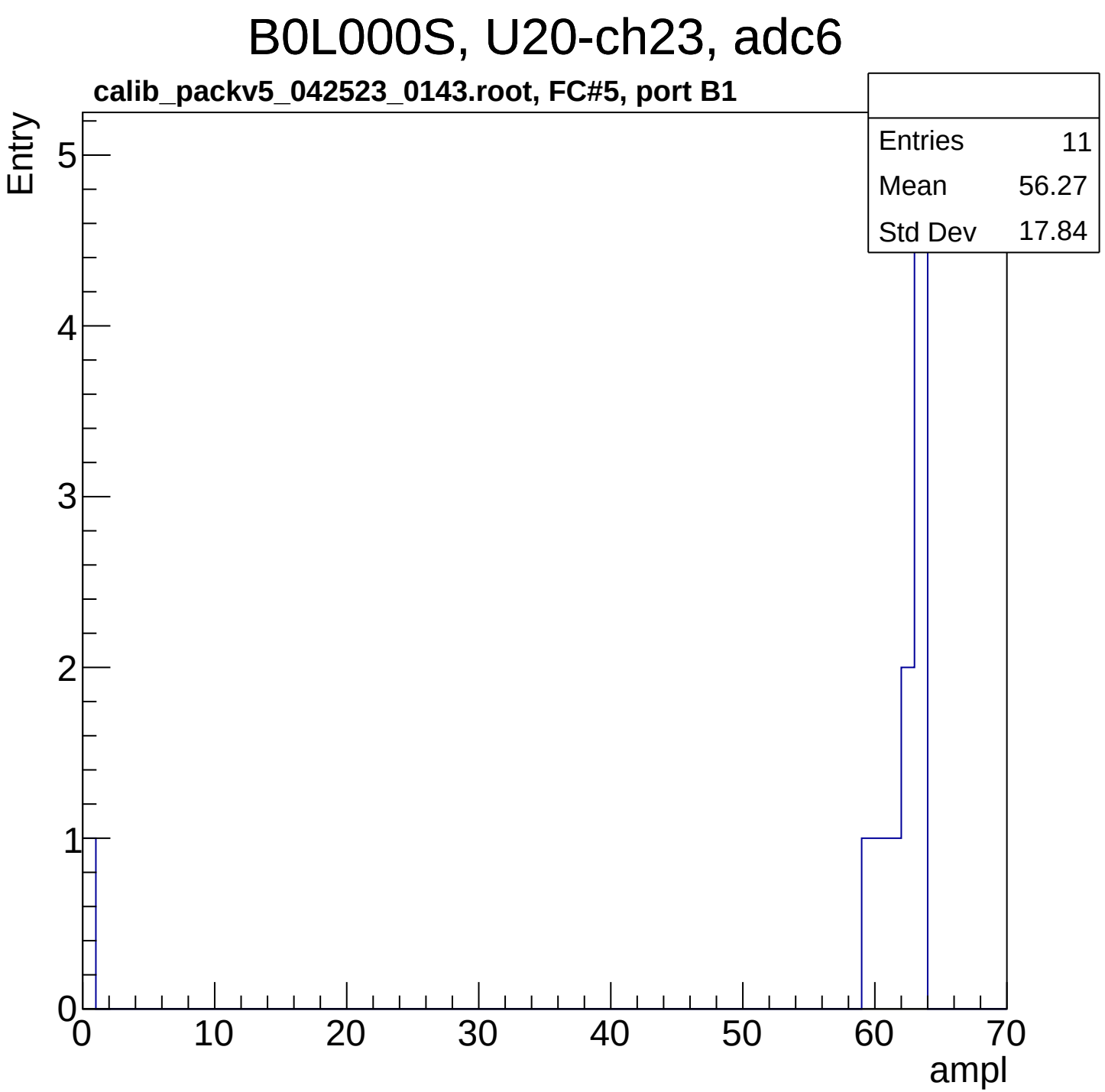
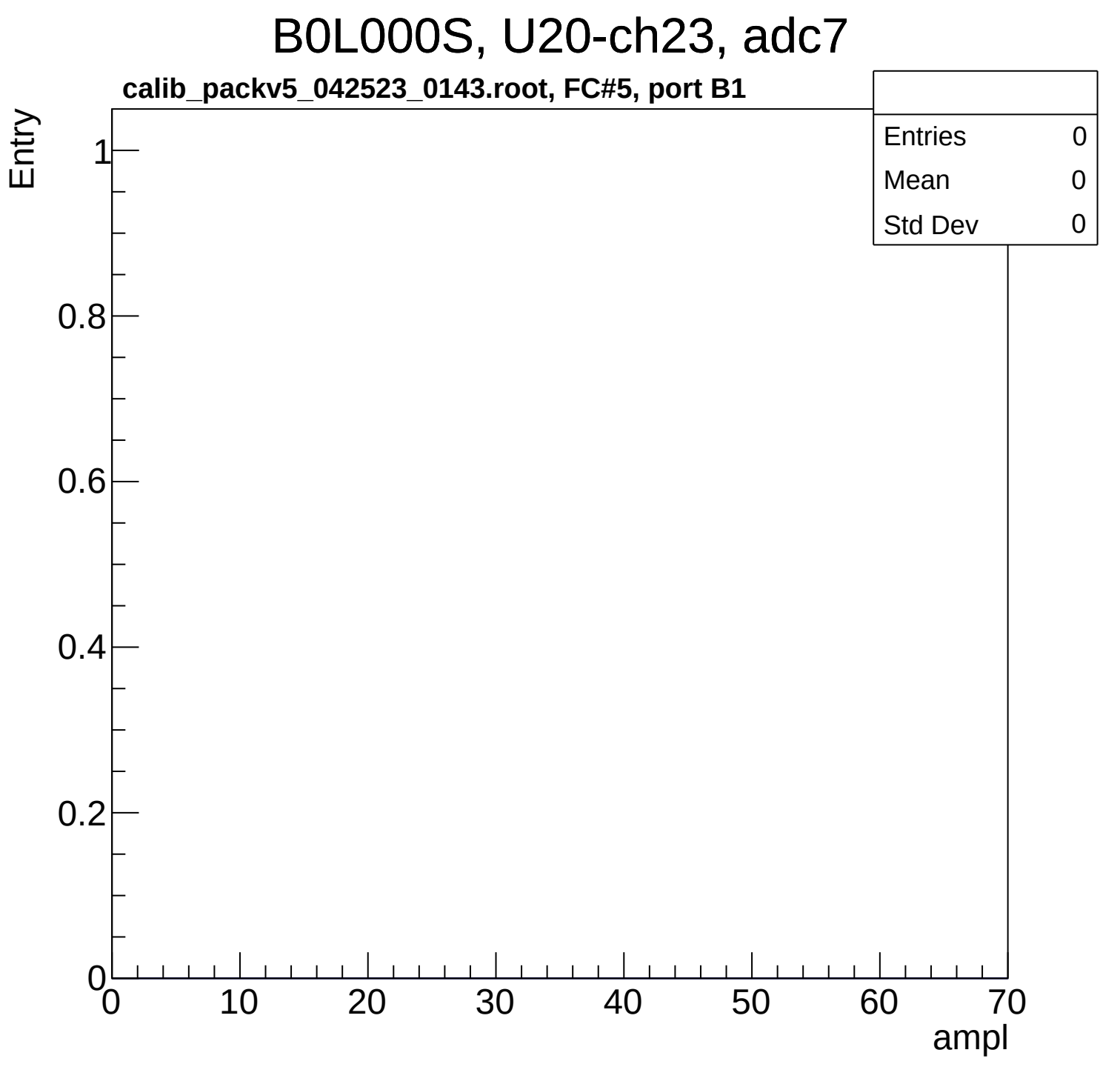
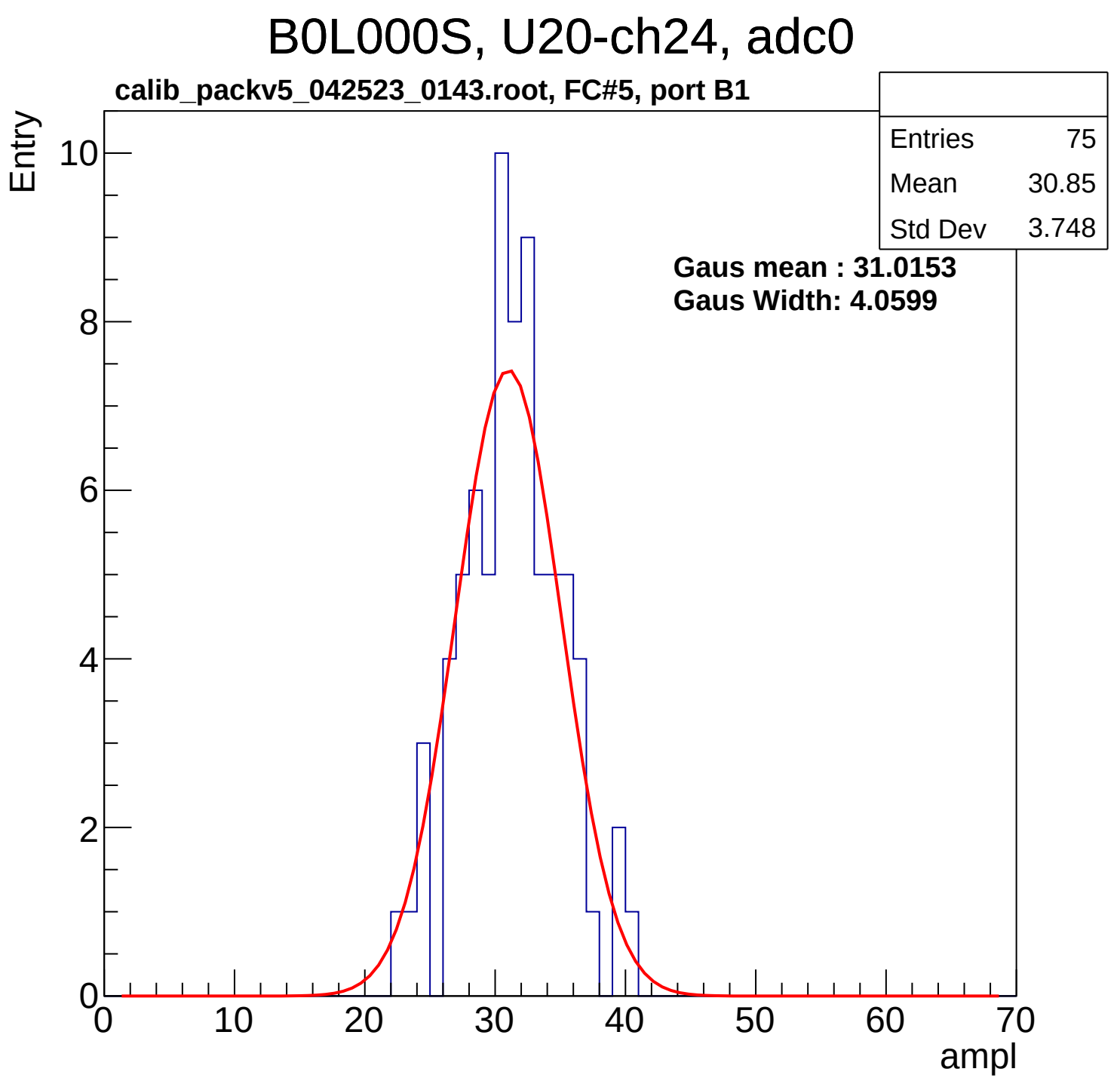
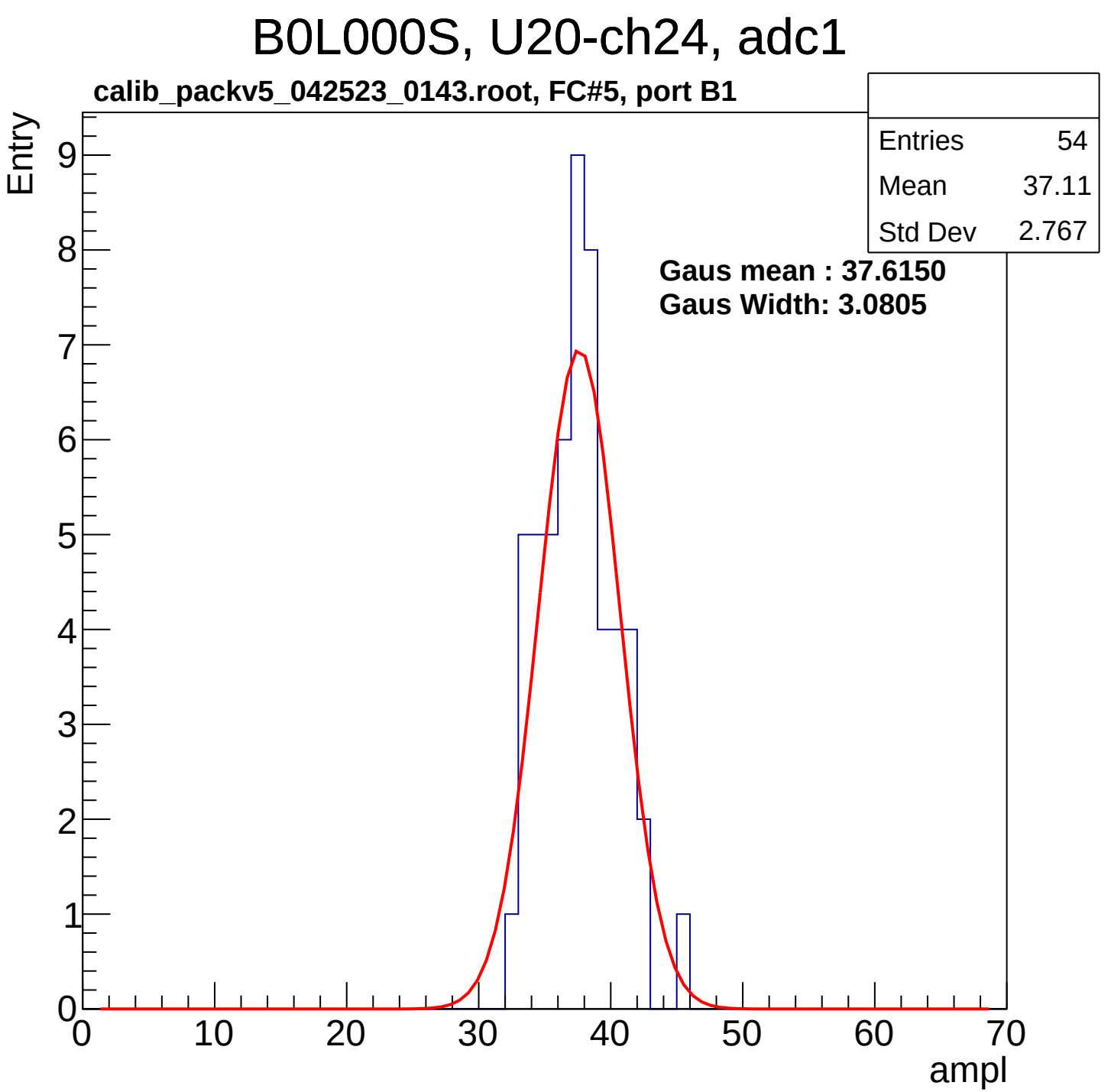

B0L000S, U20-ch23, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 59.57
Std Dev 2.42
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch23, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 56.27
Std Dev 17.84
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch23, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch24, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 30.85
Std Dev 3.748
Gaus mean : 31.0153
Gaus Width: 4.0599
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch24, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 37.11
Std Dev 2.767
Gaus mean : 37.6150
Gaus Width: 3.0805
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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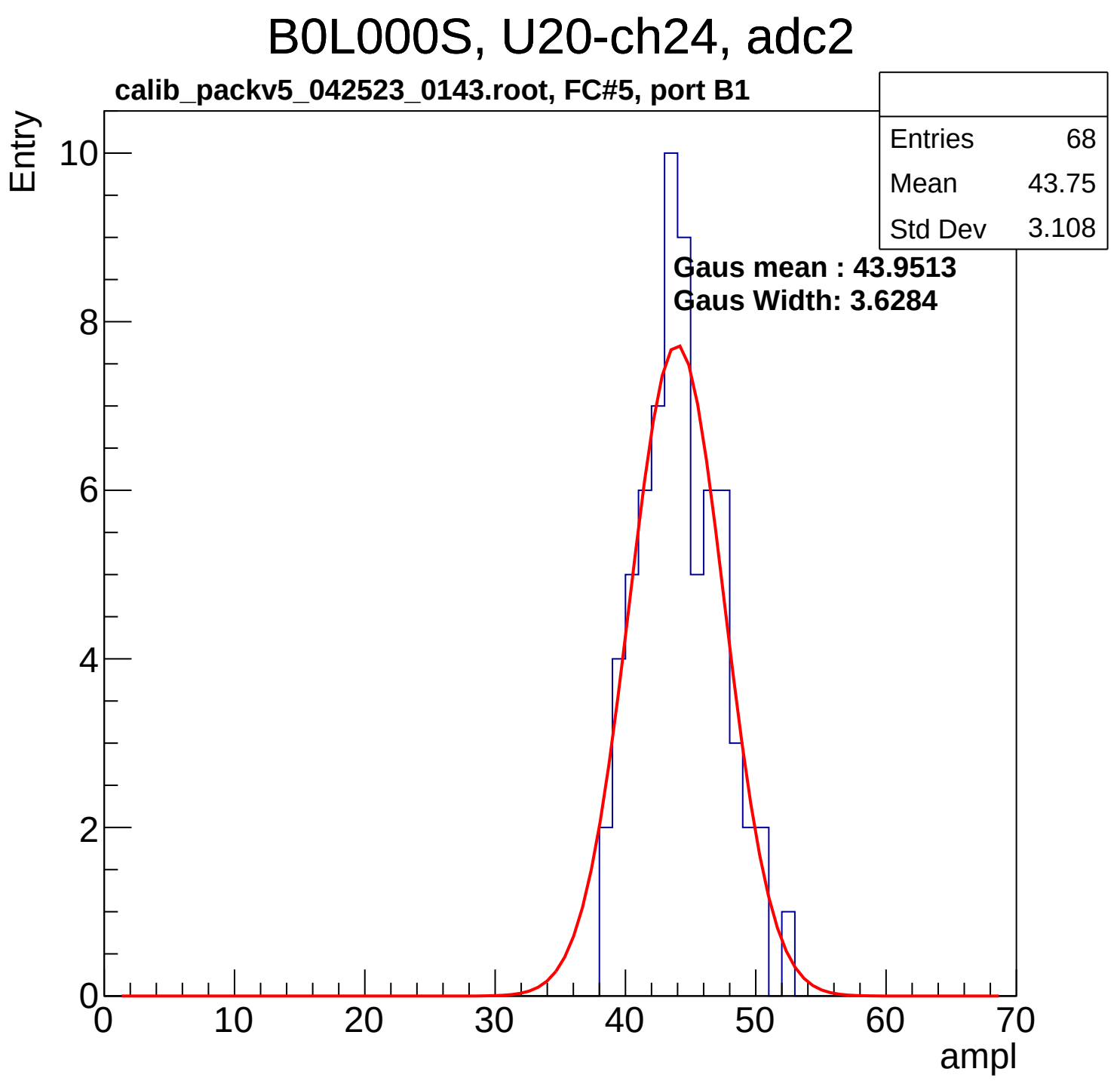
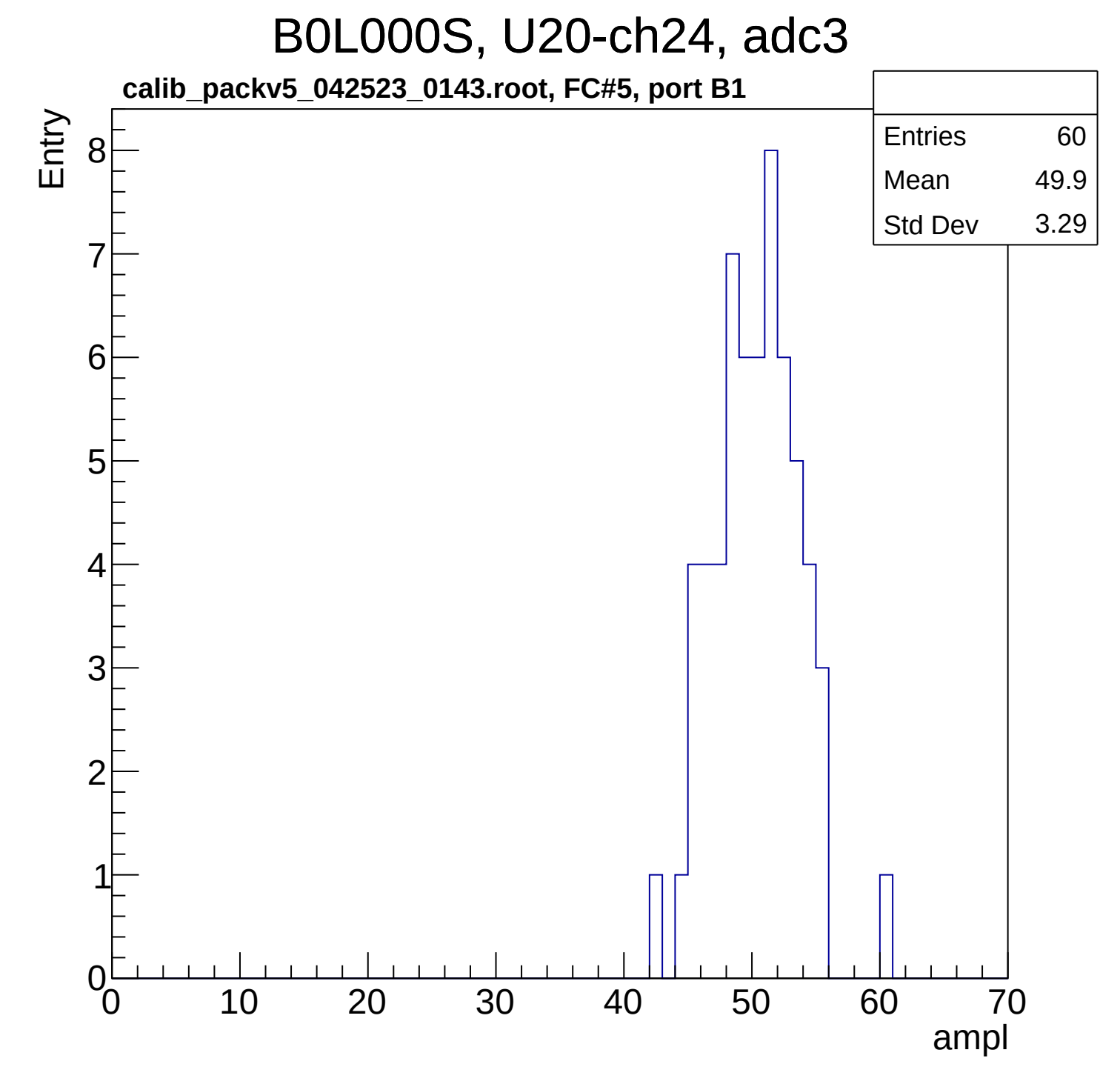

B0L000S, U20-ch24, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 43.75
Std Dev 3.108
Gaus mean : 43.9513
Gaus Width: 3.6284
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch24, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 49.9
Std Dev 3.29
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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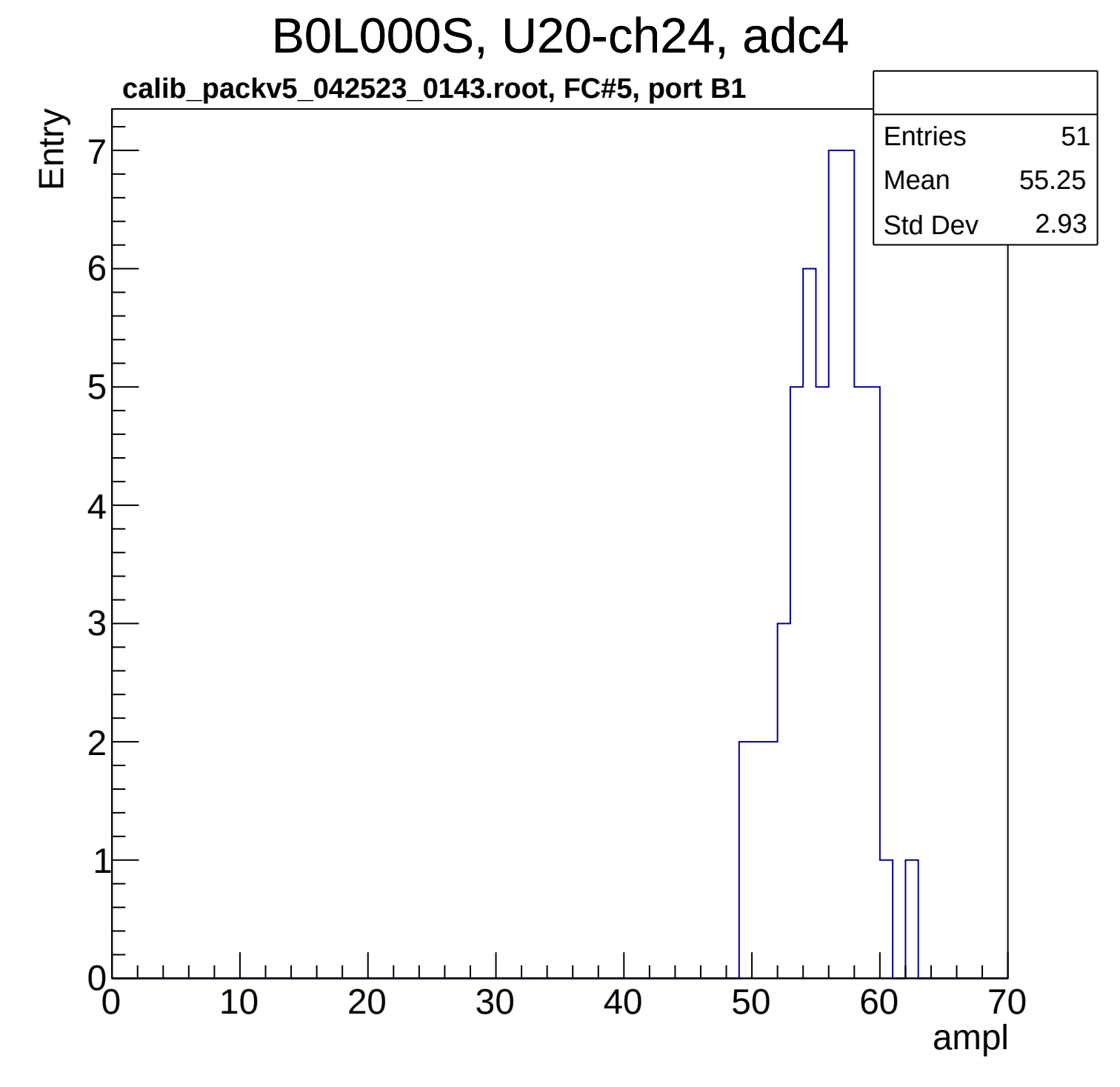
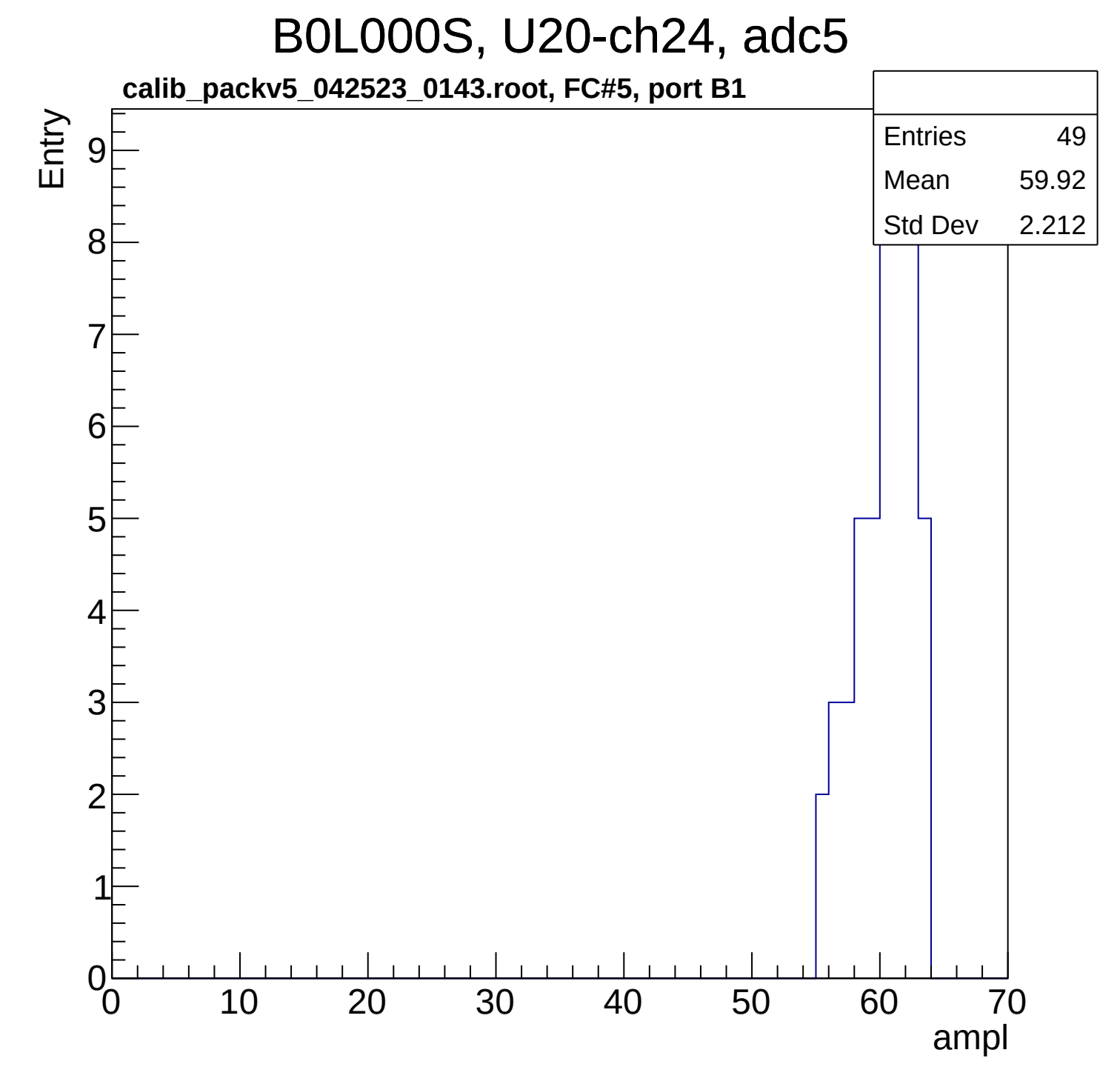

B0L000S, U20-ch24, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 55.25
Std Dev 2.93
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch24, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 59.92
Std Dev 2.212
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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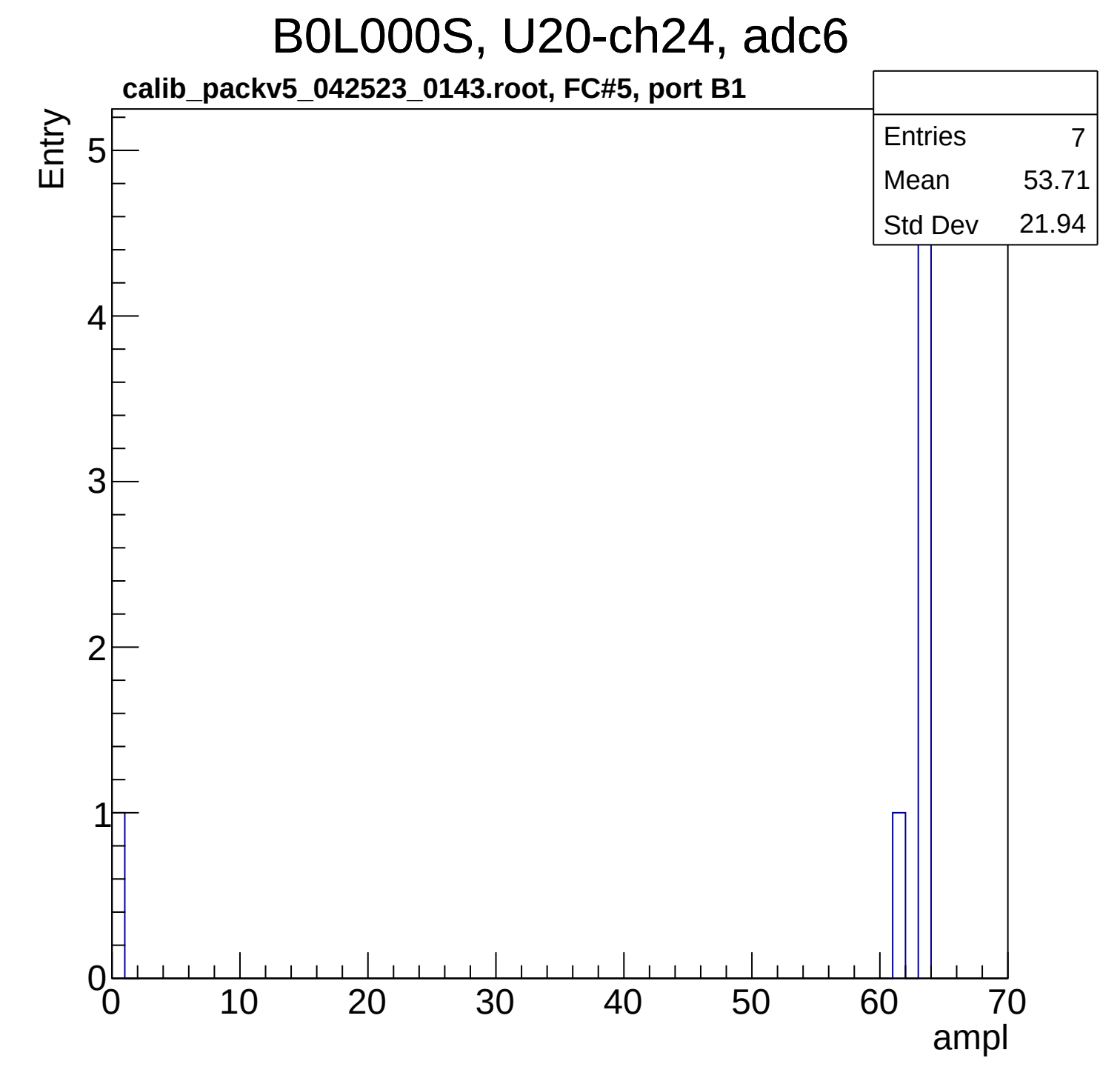
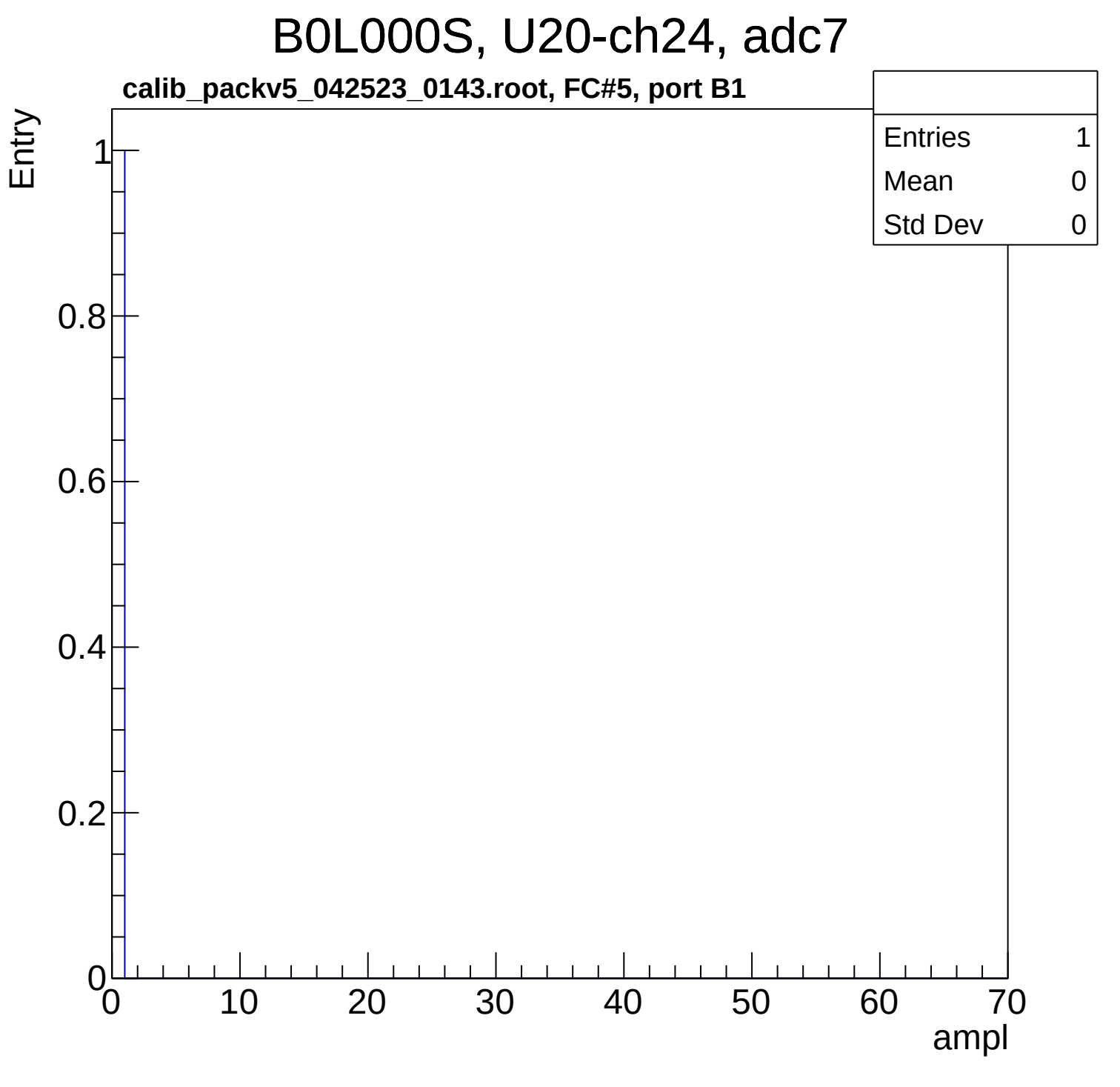
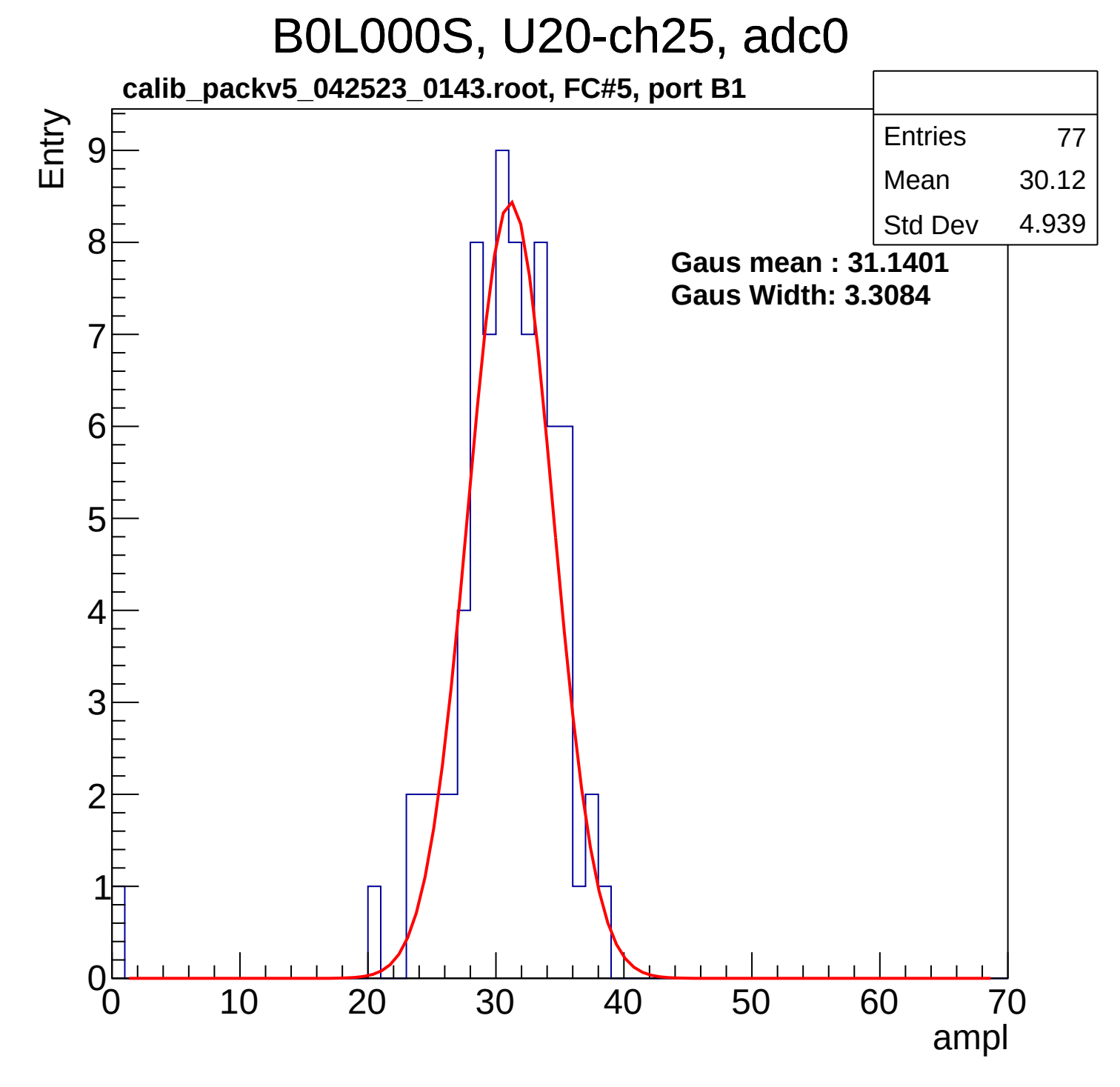

B0L000S, U20-ch24, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 53.71
Std Dev 21.94
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch24, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch25, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 30.12
Std Dev 4.939
Gaus mean : 31.1401
Gaus Width: 3.3084
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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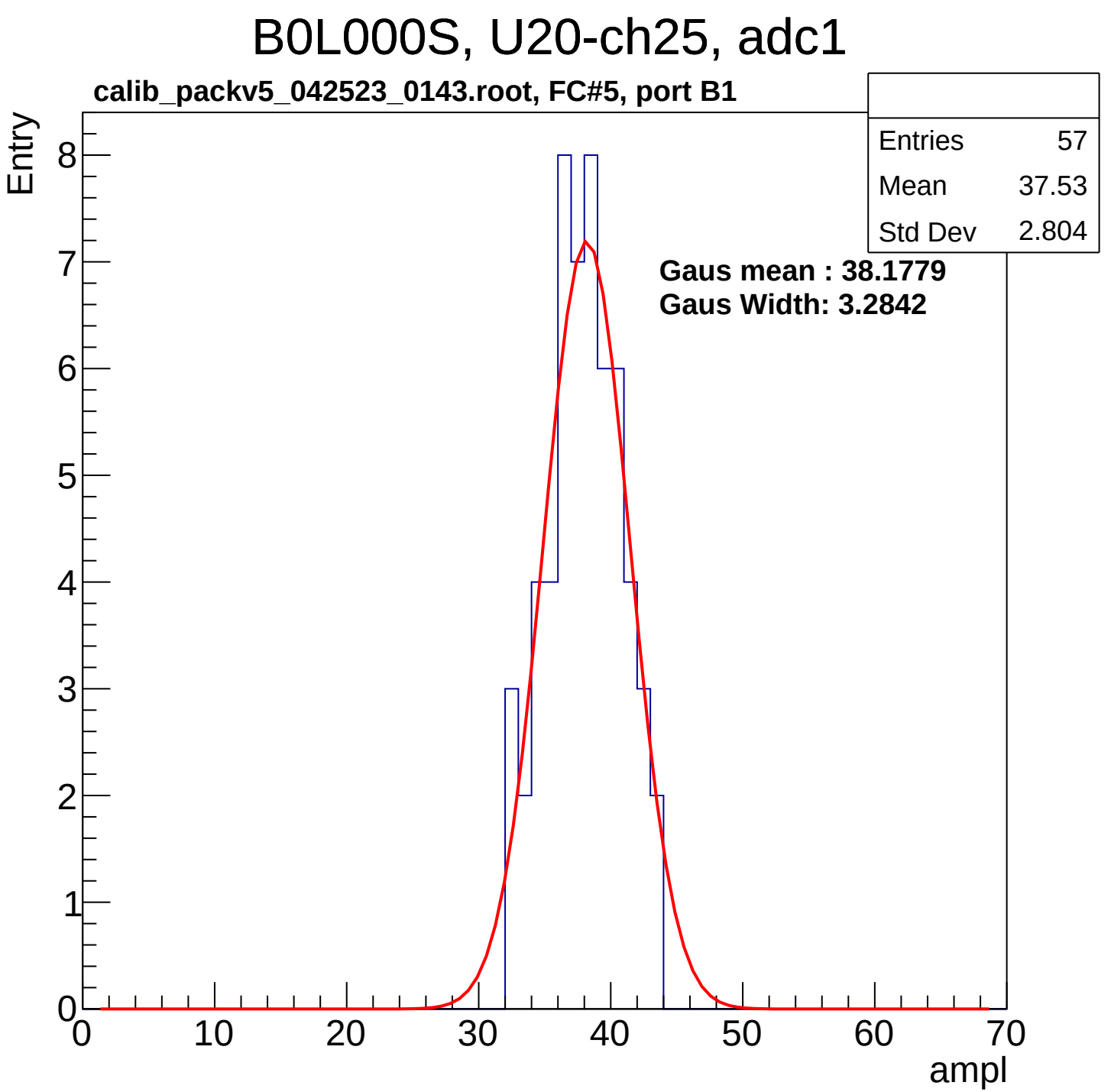
B0L000S, U20-ch25, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 37.53
Std Dev 2.804
Gaus mean : 38.1779
Gaus Width: 3.2842
Entry
ampl
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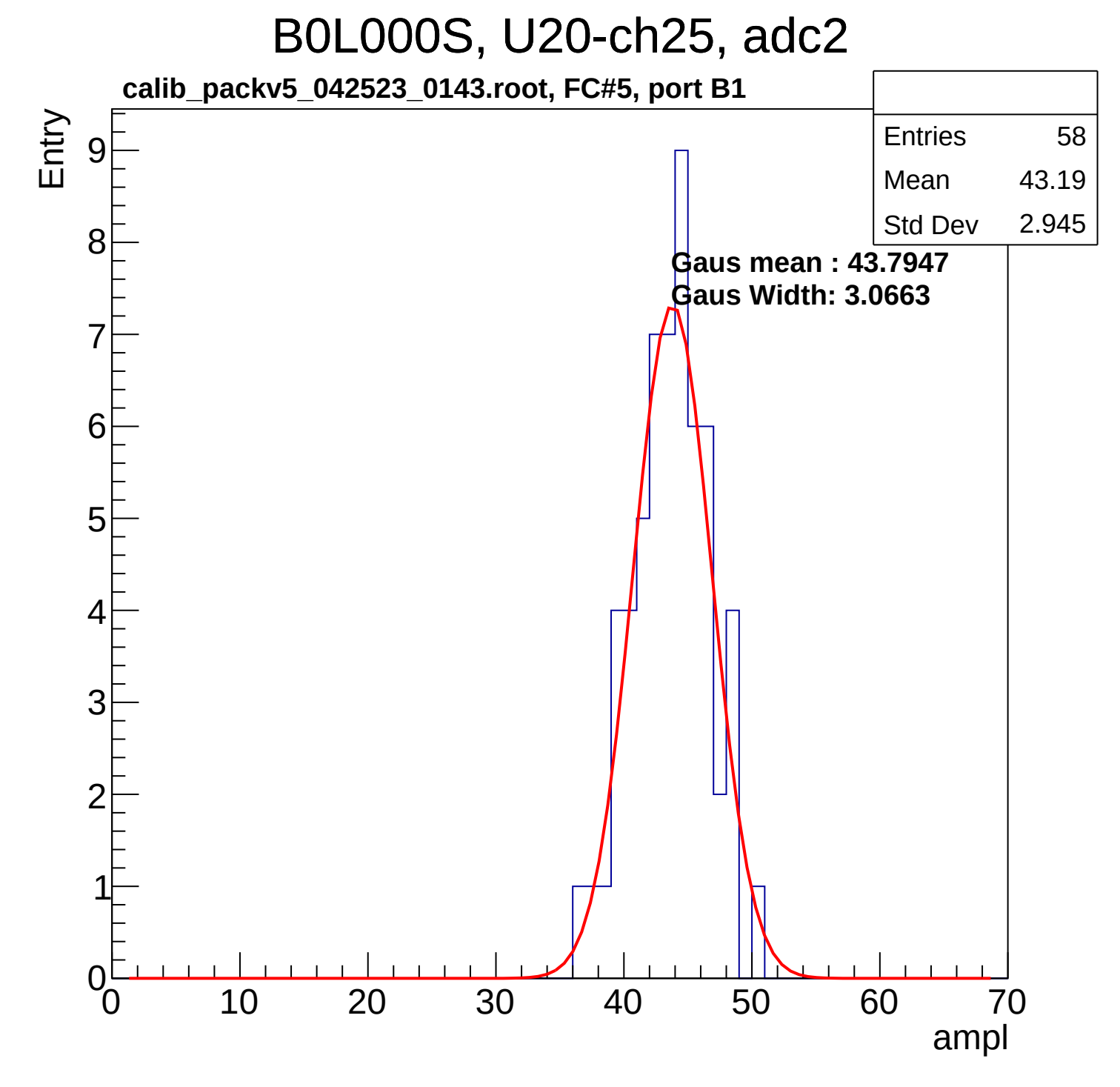
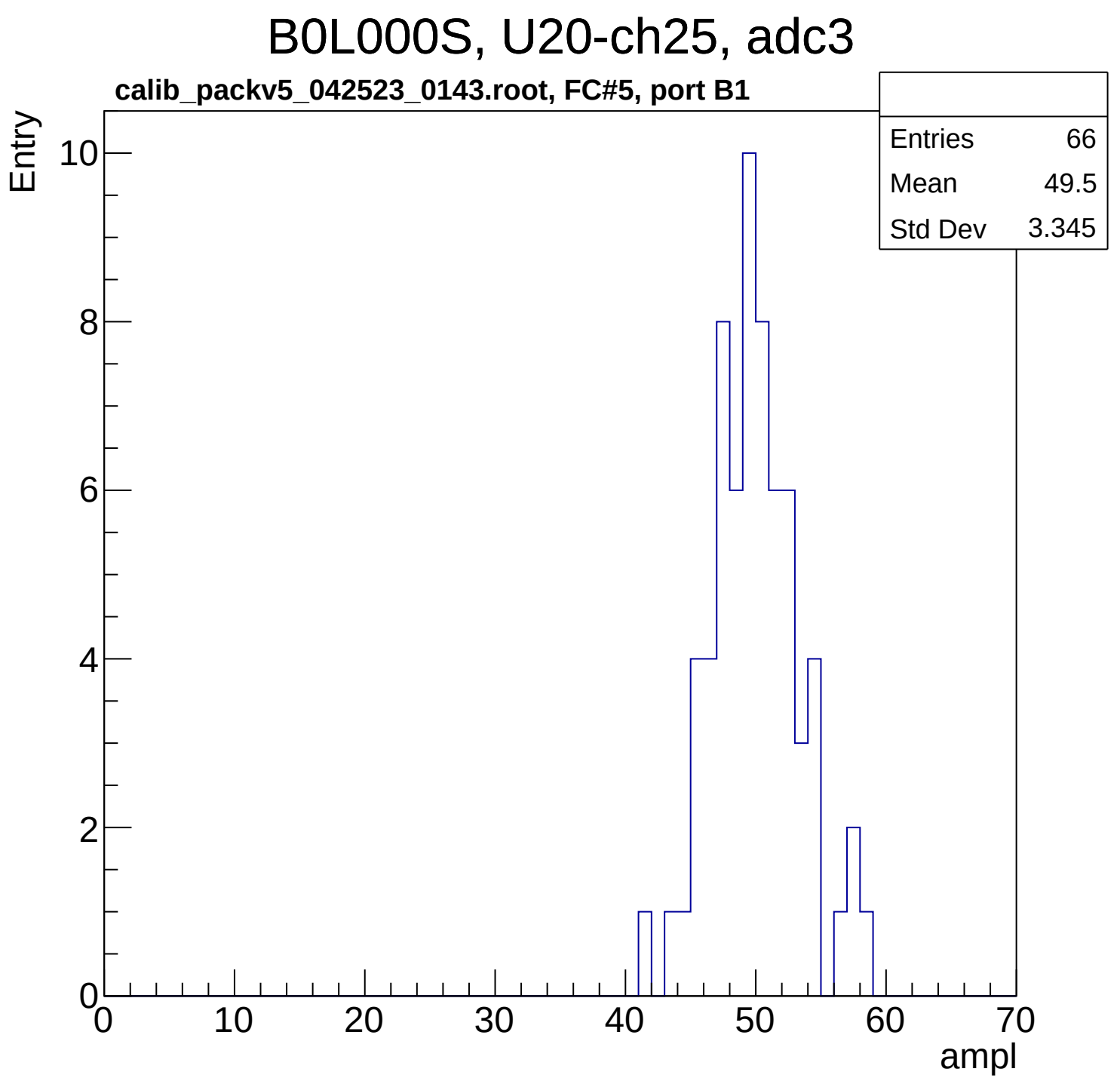
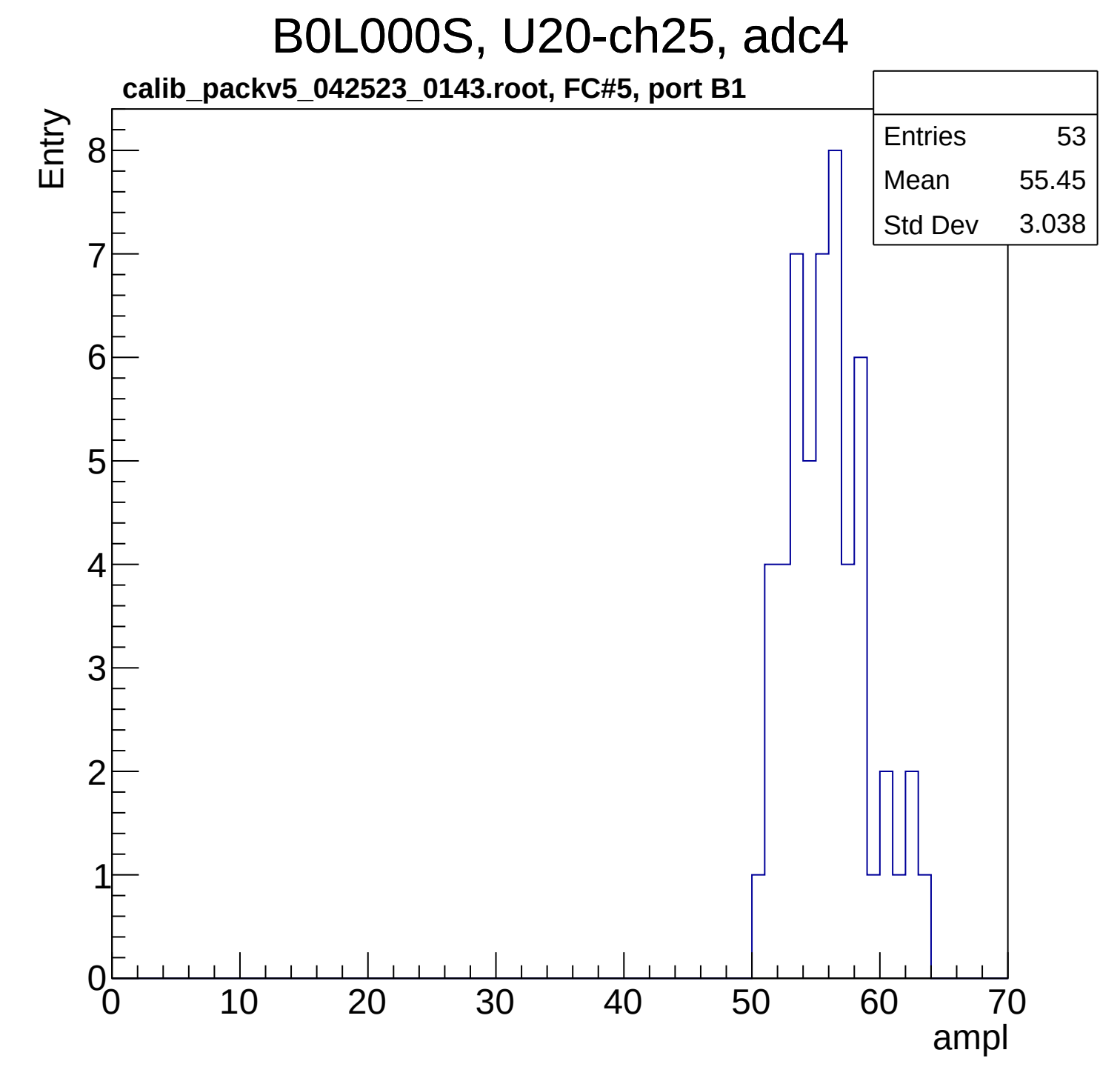
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch25, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 43.19
Std Dev 2.945
Gaus mean : 43.7947
Gaus Width: 3.0663
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch25, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 49.5
Std Dev 3.345
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch25, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 55.45
Std Dev 3.038
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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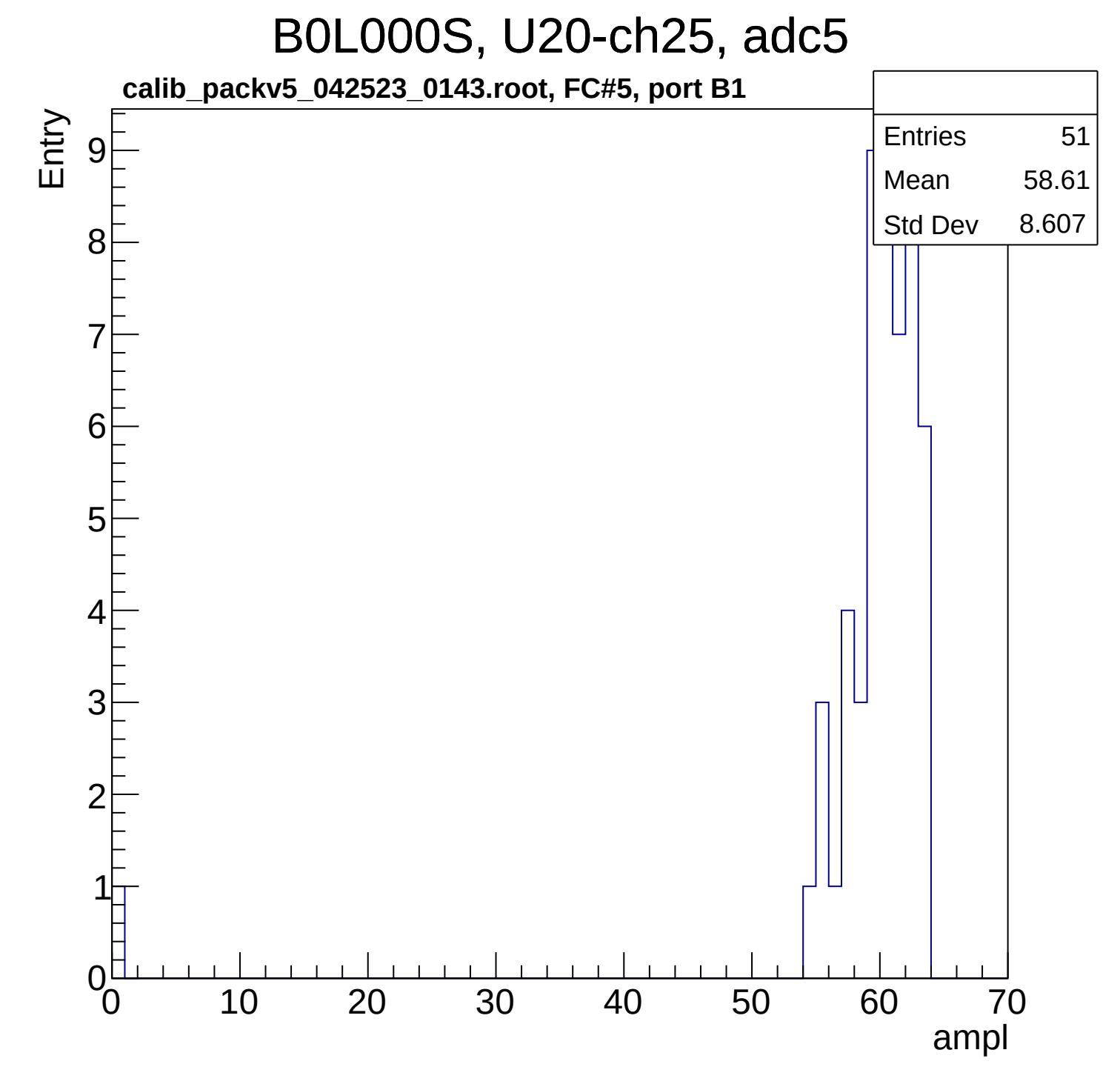
B0L000S, U20-ch25, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 58.61
Std Dev 8.607
Entry
ampl
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3
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0
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60
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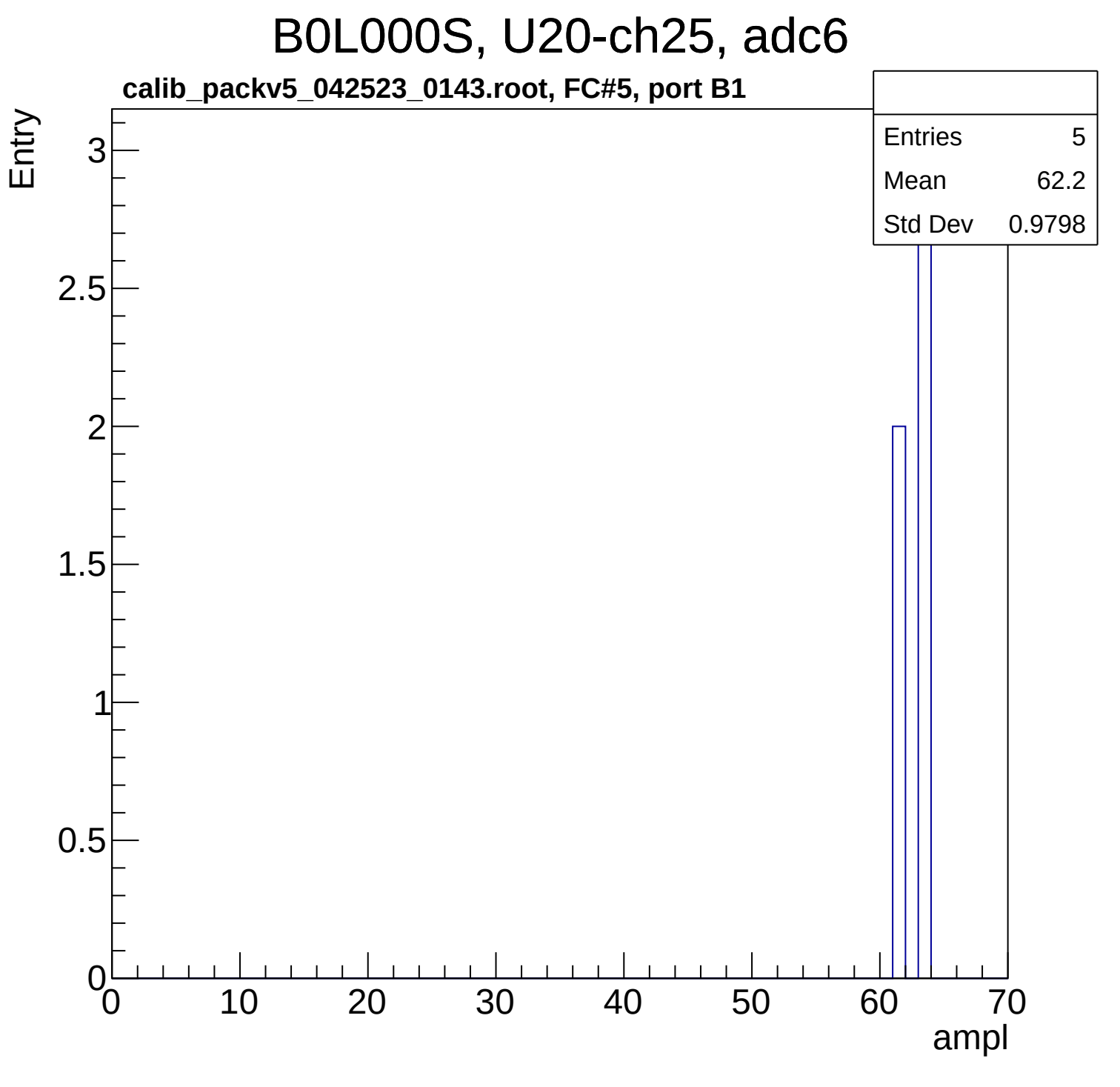
B0L000S, U20-ch25, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 62.2
Std Dev 0.9798
Entry
ampl
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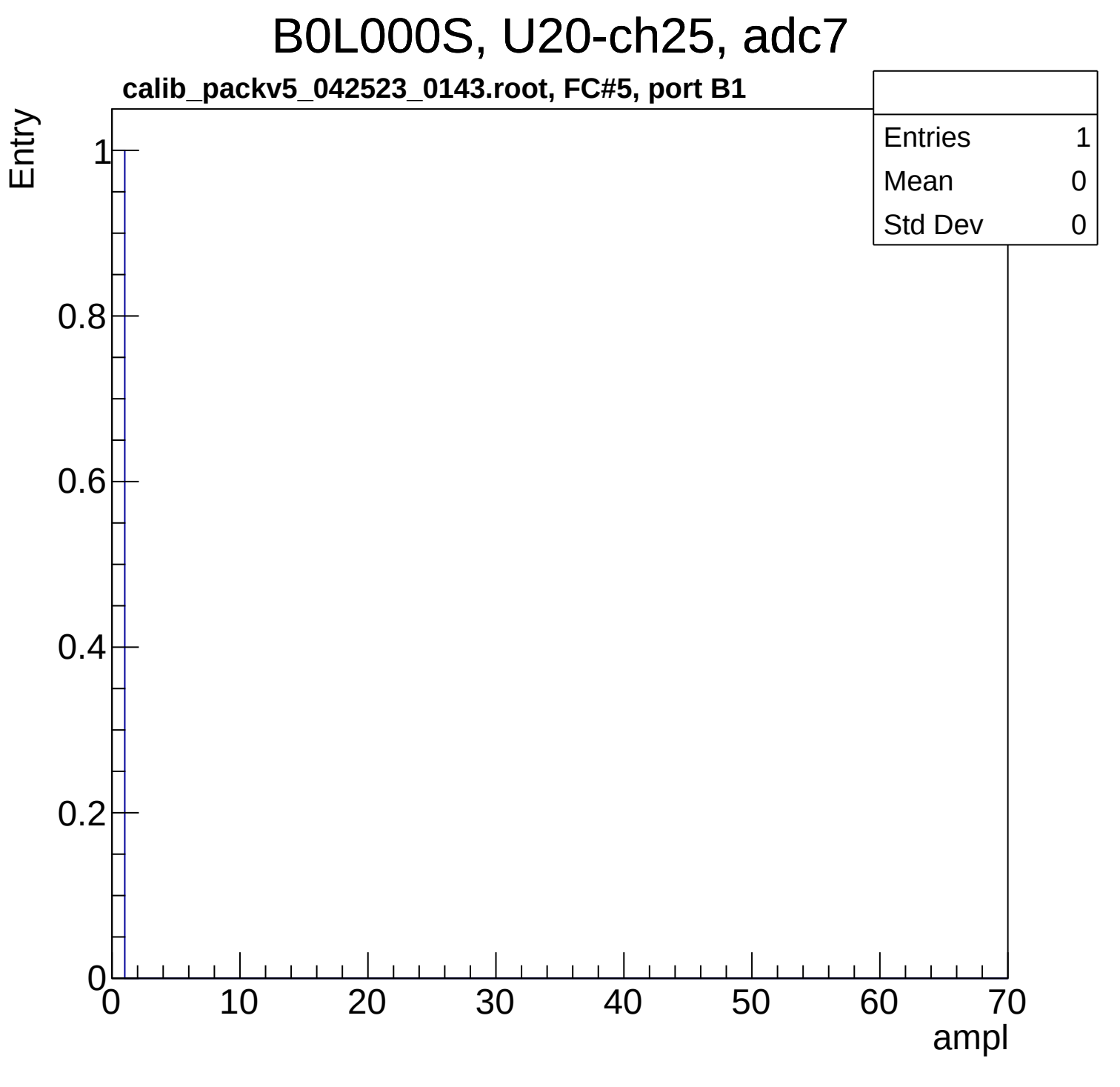
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch25, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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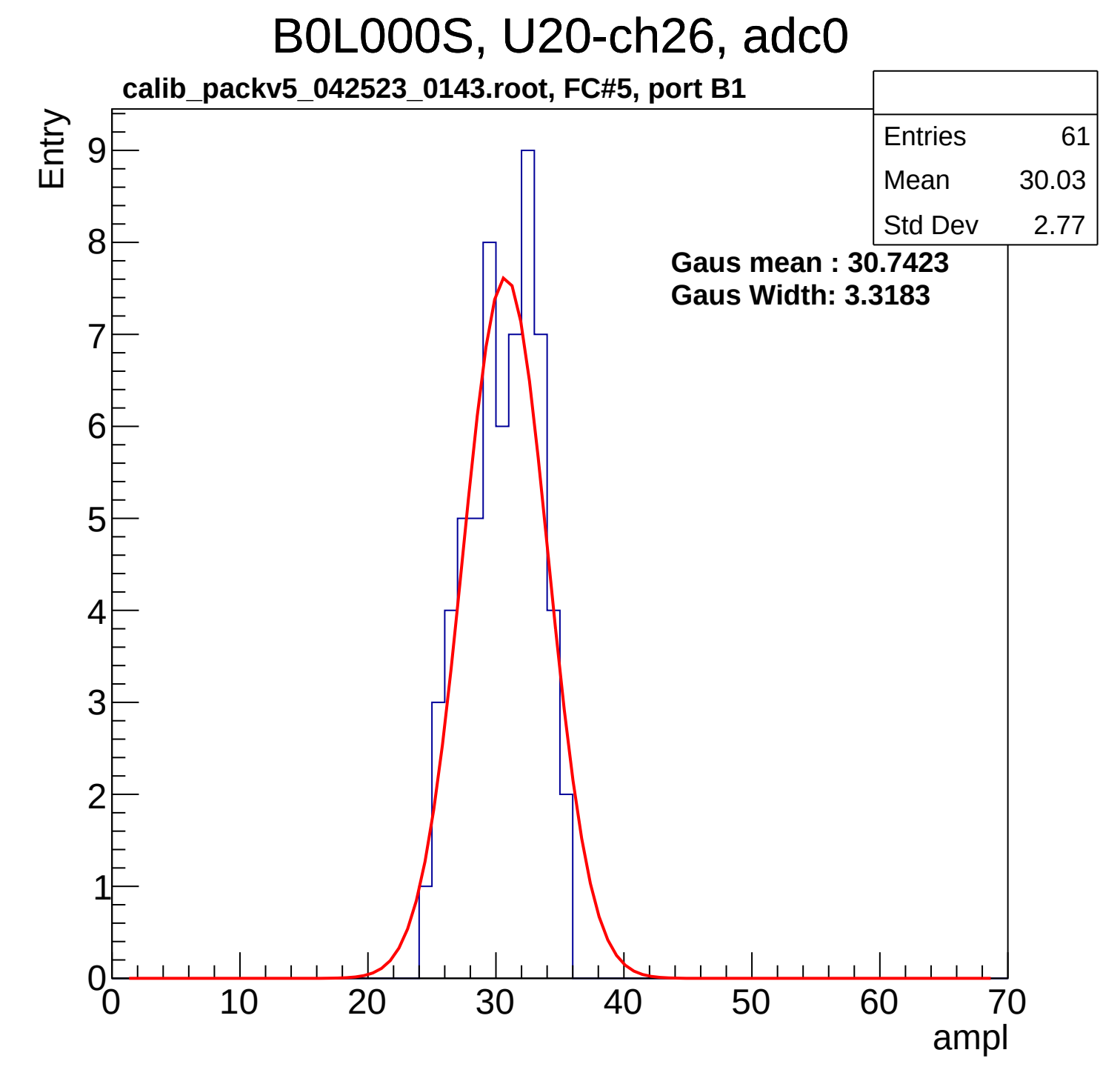
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch26, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 30.03
Std Dev 2.77
Gaus mean : 30.7423
Gaus Width: 3.3183
Entry
ampl
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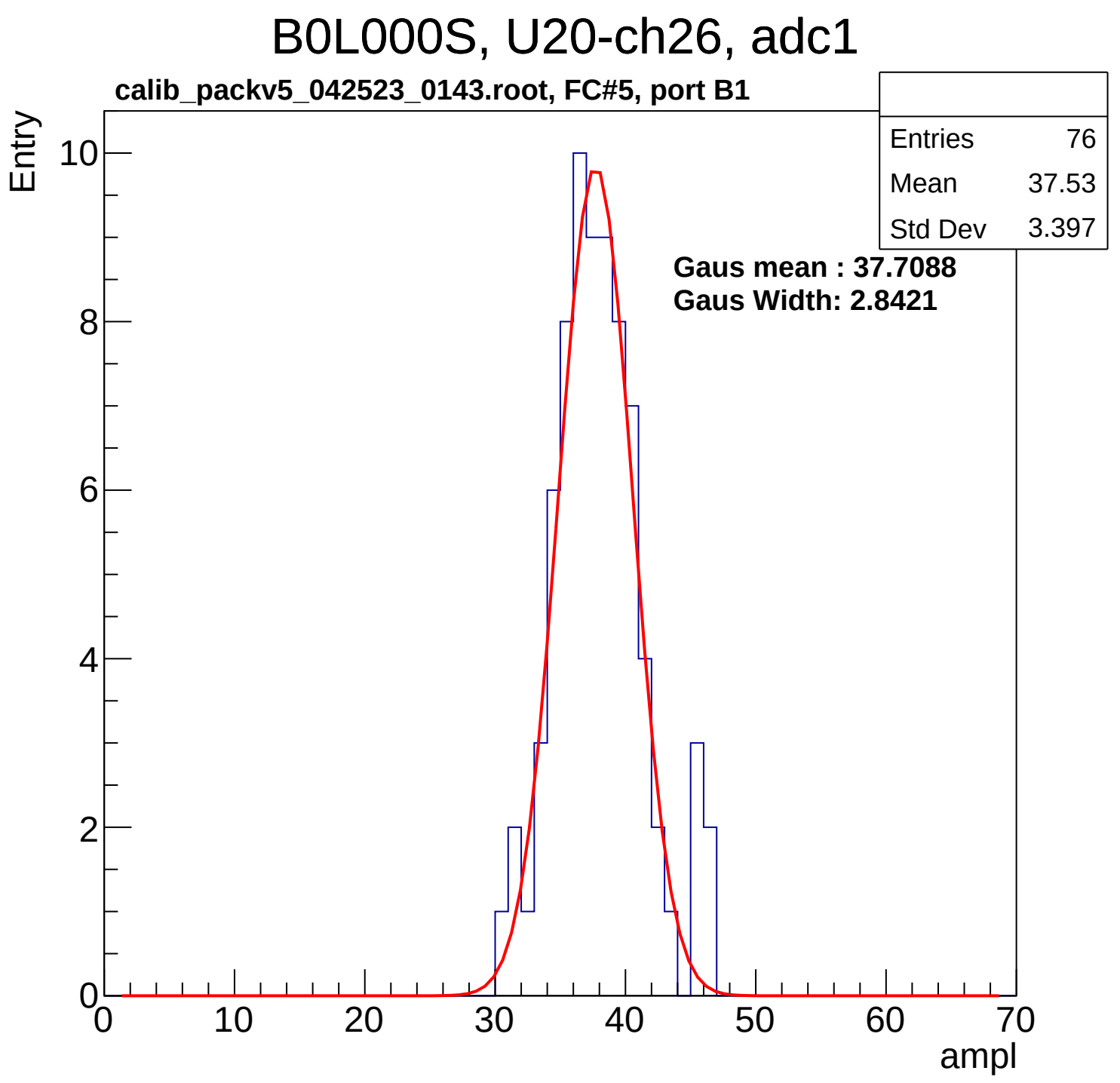
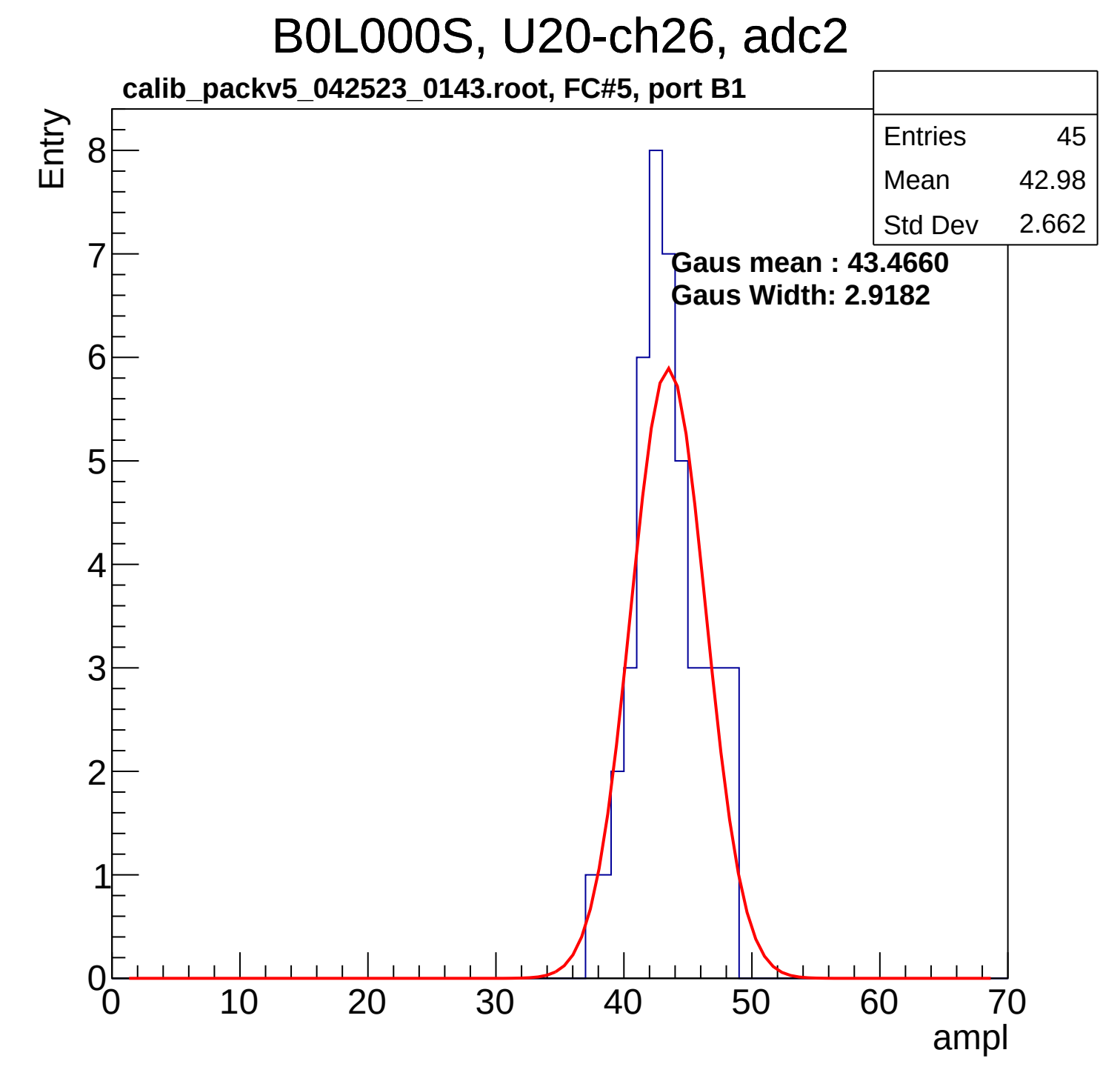
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch26, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 37.53
Std Dev 3.397
Gaus mean : 37.7088
Gaus Width: 2.8421
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch26, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 42.98
Std Dev 2.662
Gaus mean : 43.4660
Gaus Width: 2.9182
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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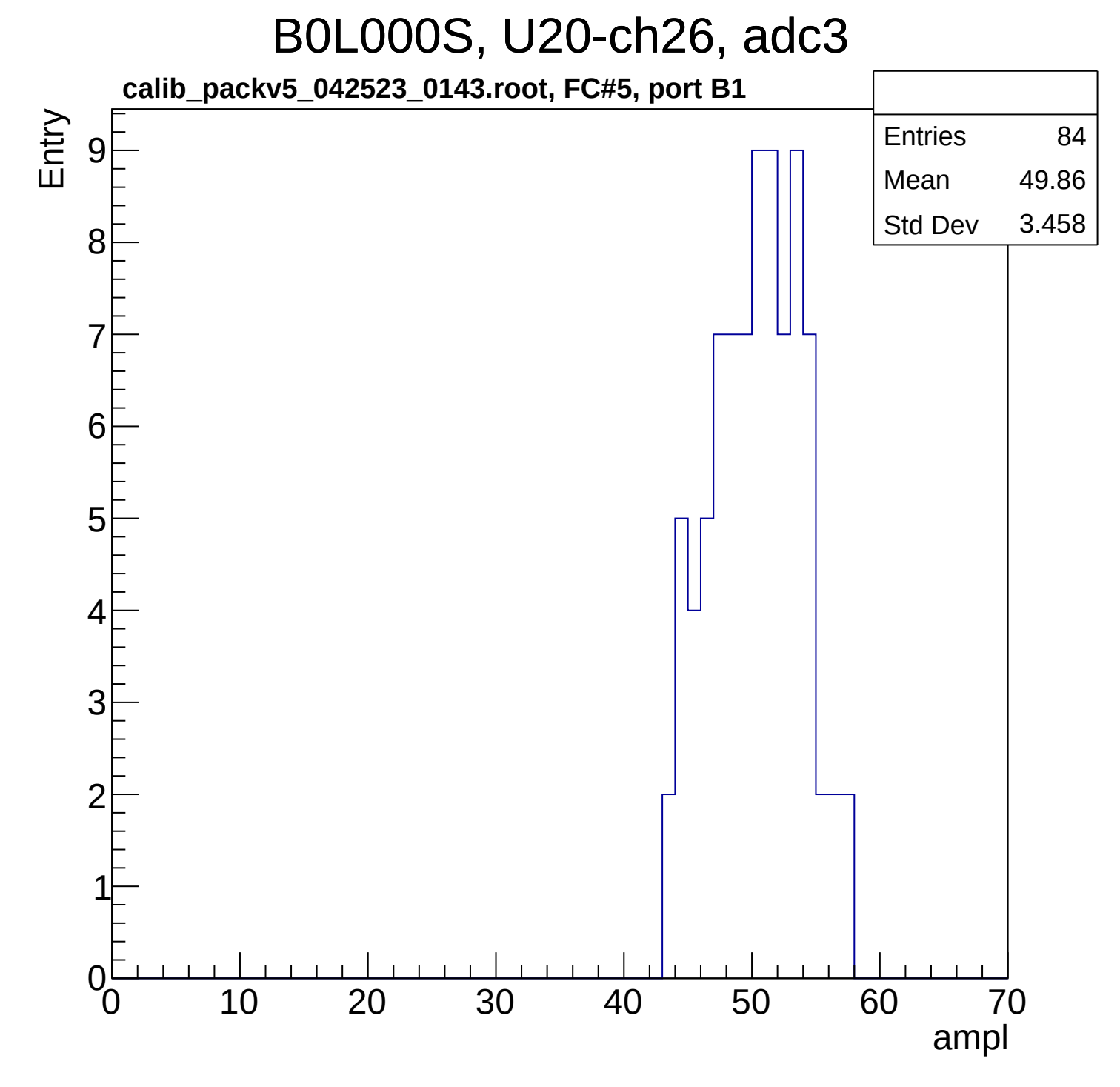
B0L000S, U20-ch26, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 49.86
Std Dev 3.458
Entry
ampl
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3
4
5
6
7
8
9
0
10
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40
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60
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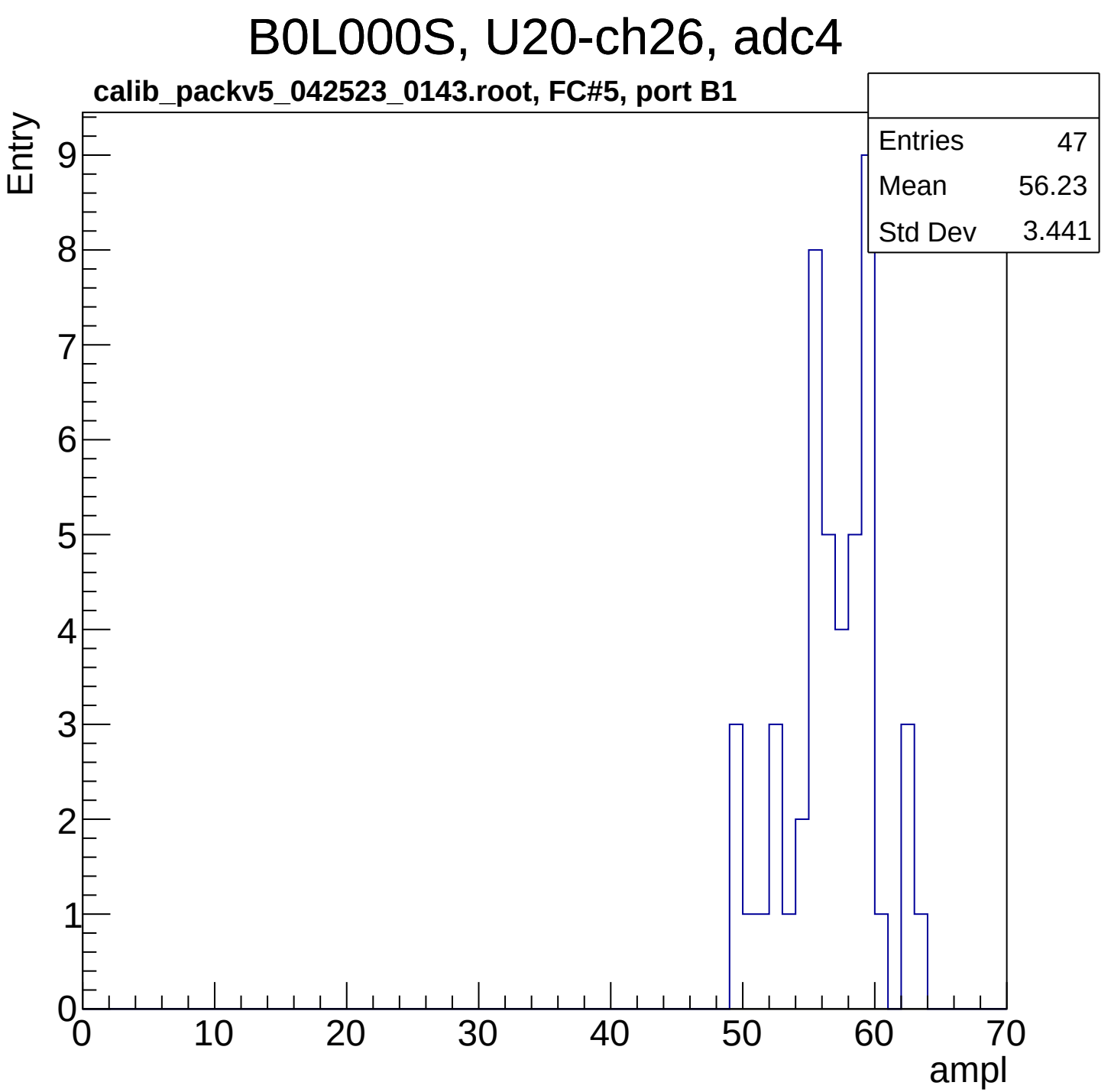
B0L000S, U20-ch26, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 56.23
Std Dev 3.441
Entry
ampl
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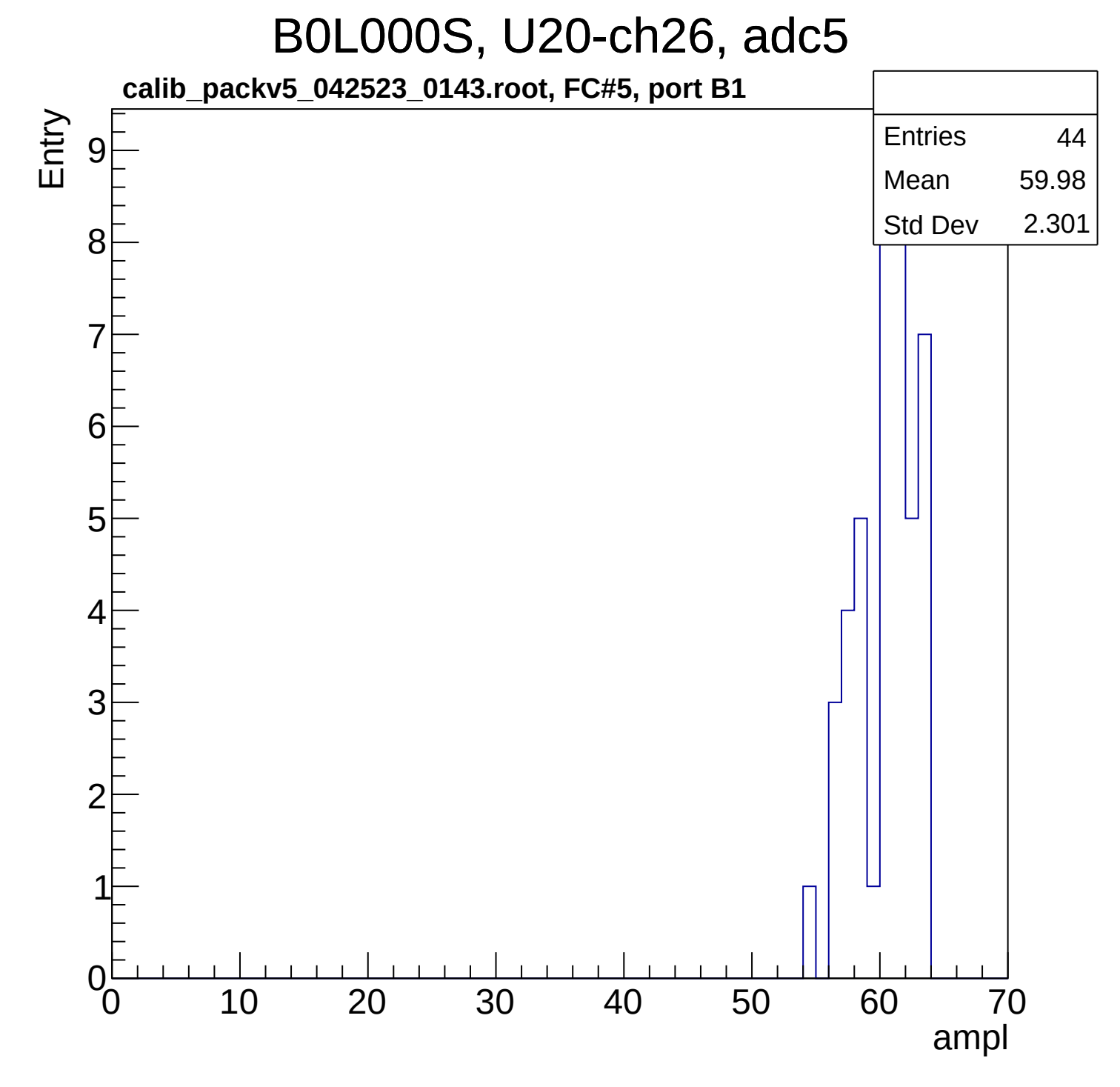
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch26, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 59.98
Std Dev 2.301
Entry
ampl
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3
4
5
6
7
8
9
0
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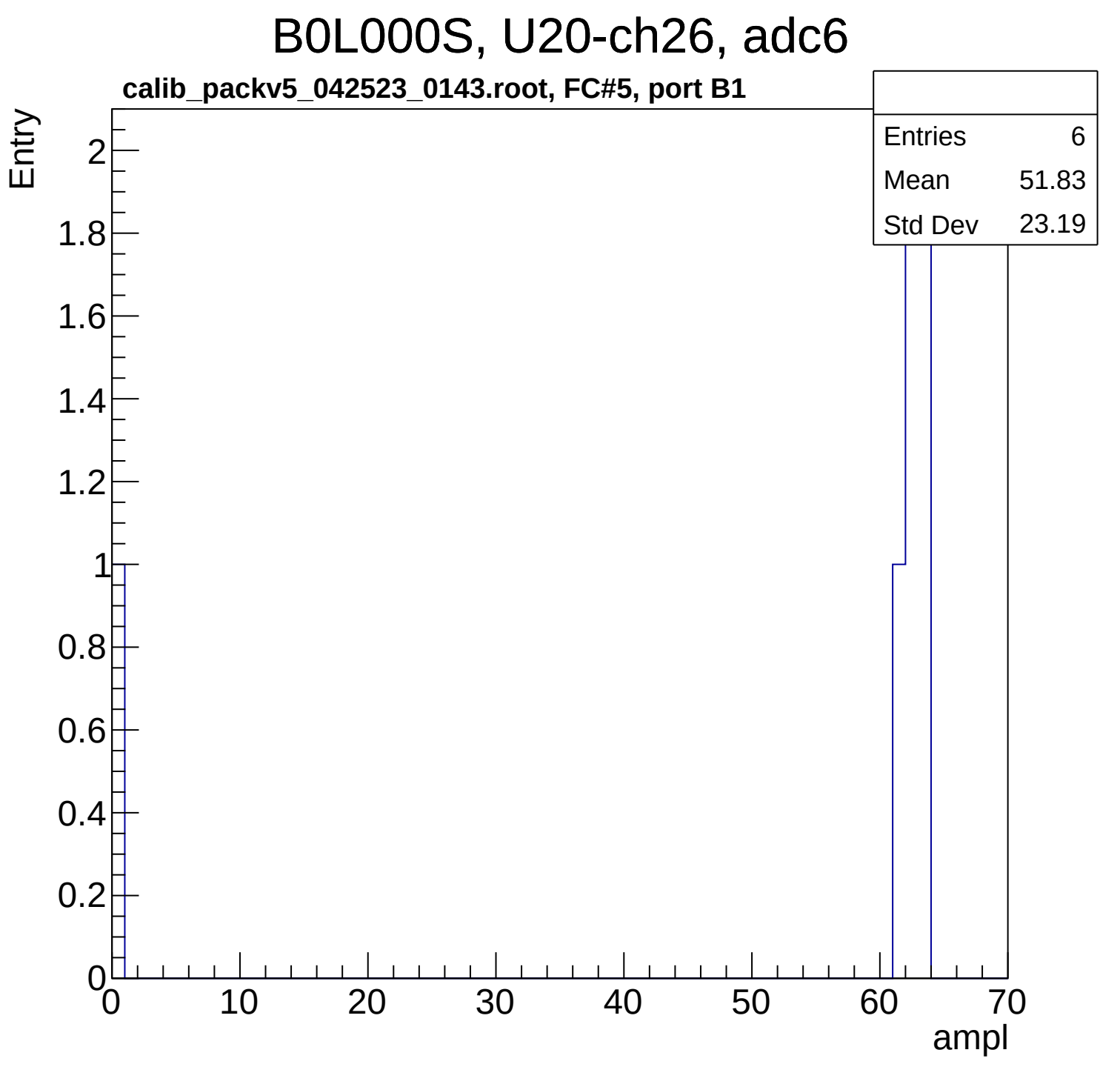
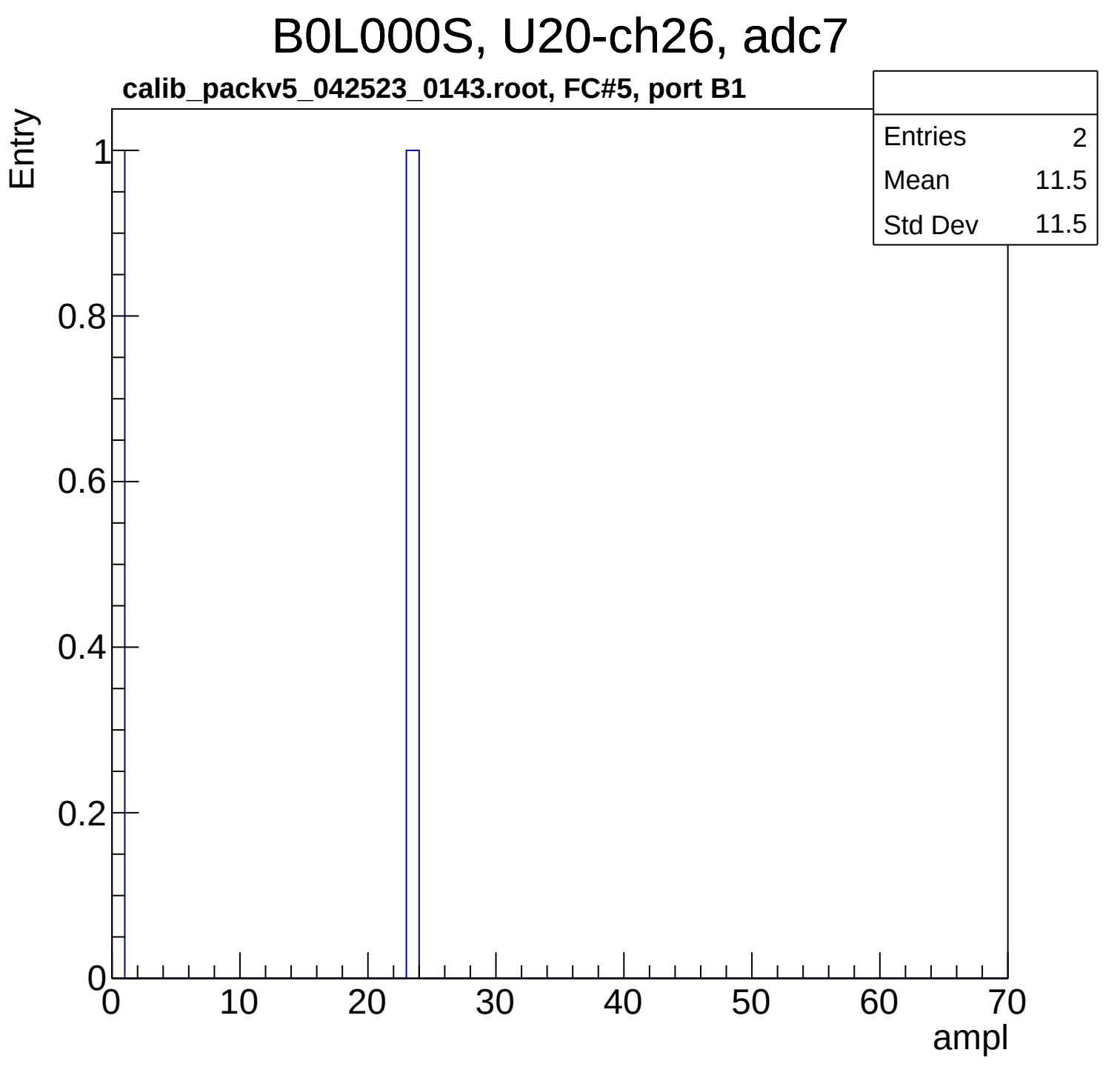
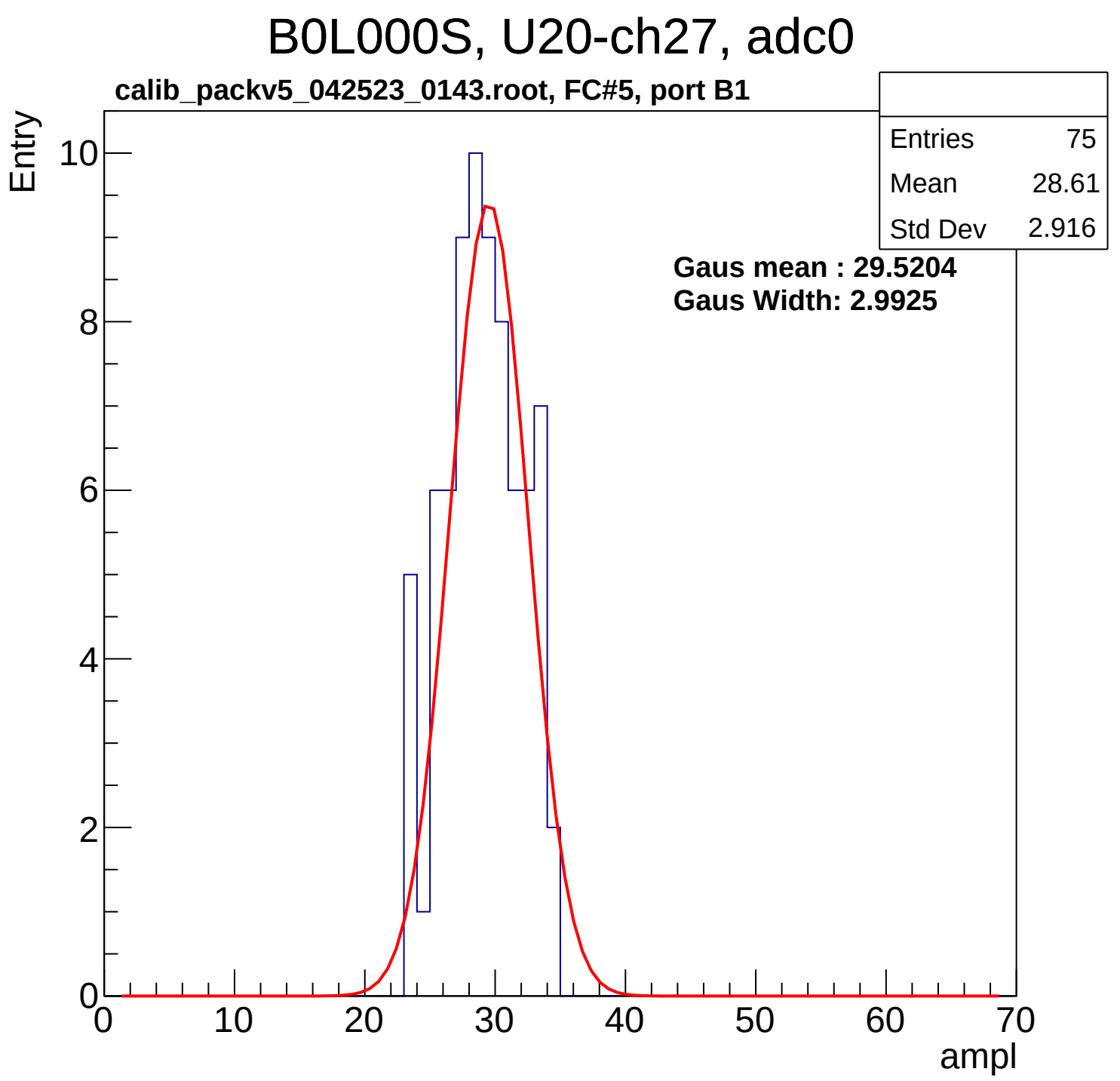

B0L000S, U20-ch26, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 51.83
Std Dev 23.19
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch26, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 11.5
Std Dev 11.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B0L000S, U20-ch27, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 28.61
Std Dev 2.916
Gaus mean : 29.5204
Gaus Width: 2.9925
Entry
ampl
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2
4
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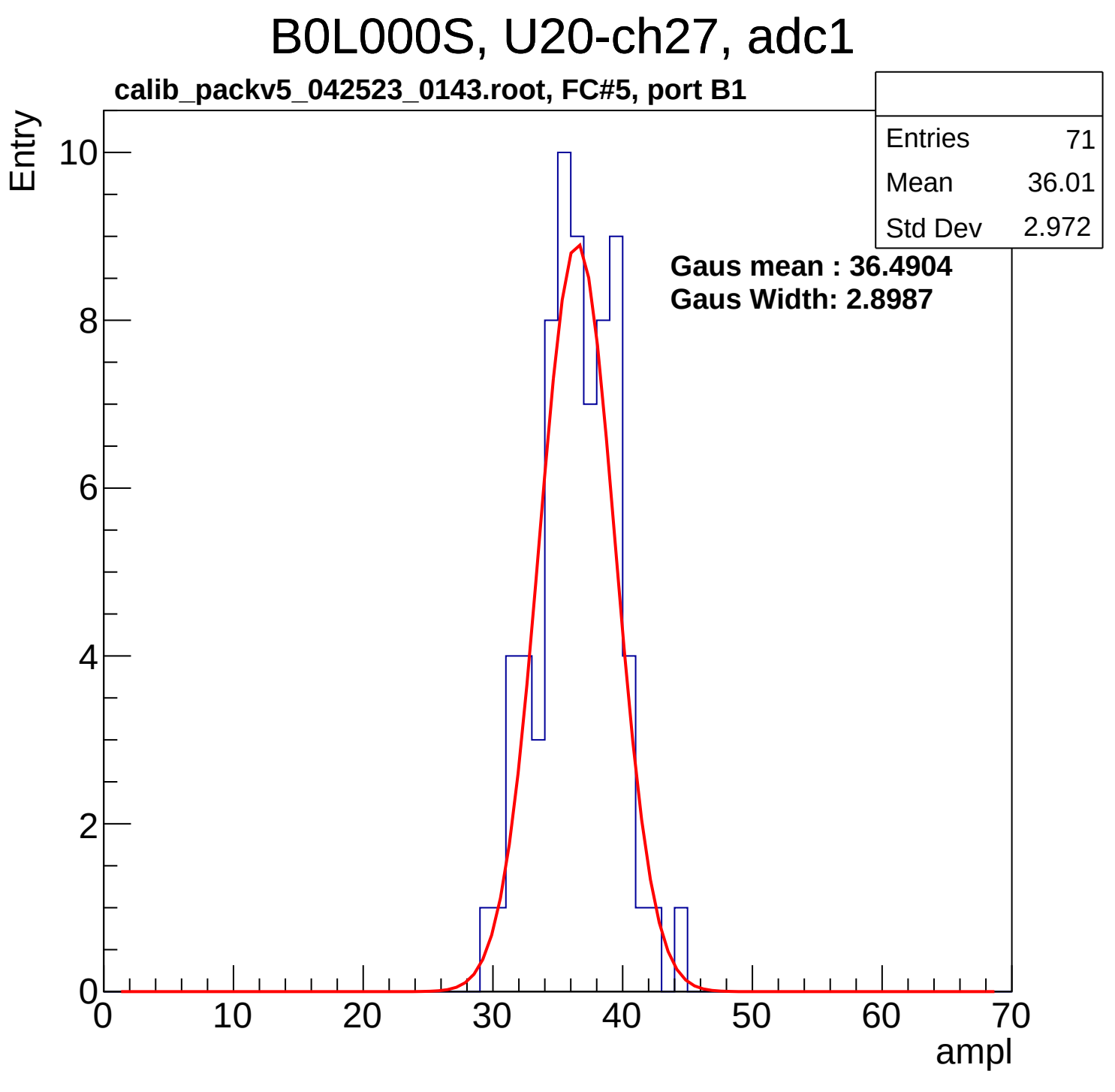
B0L000S, U20-ch27, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 36.01
Std Dev 2.972
Gaus mean : 36.4904
Gaus Width: 2.8987
Entry
ampl
0
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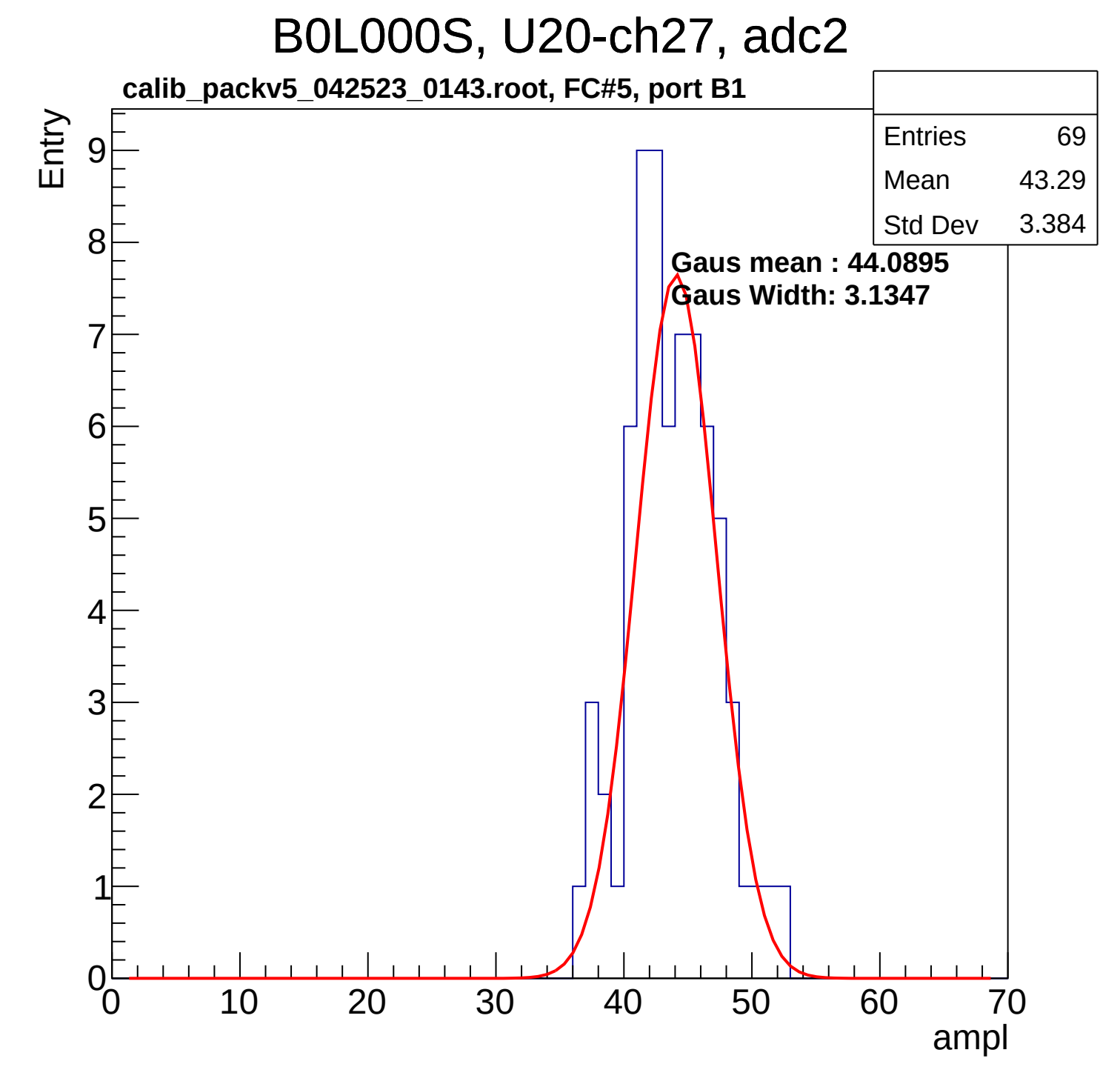
B0L000S, U20-ch27, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 43.29
Std Dev 3.384
Gaus mean : 44.0895
Gaus Width: 3.1347
Entry
ampl
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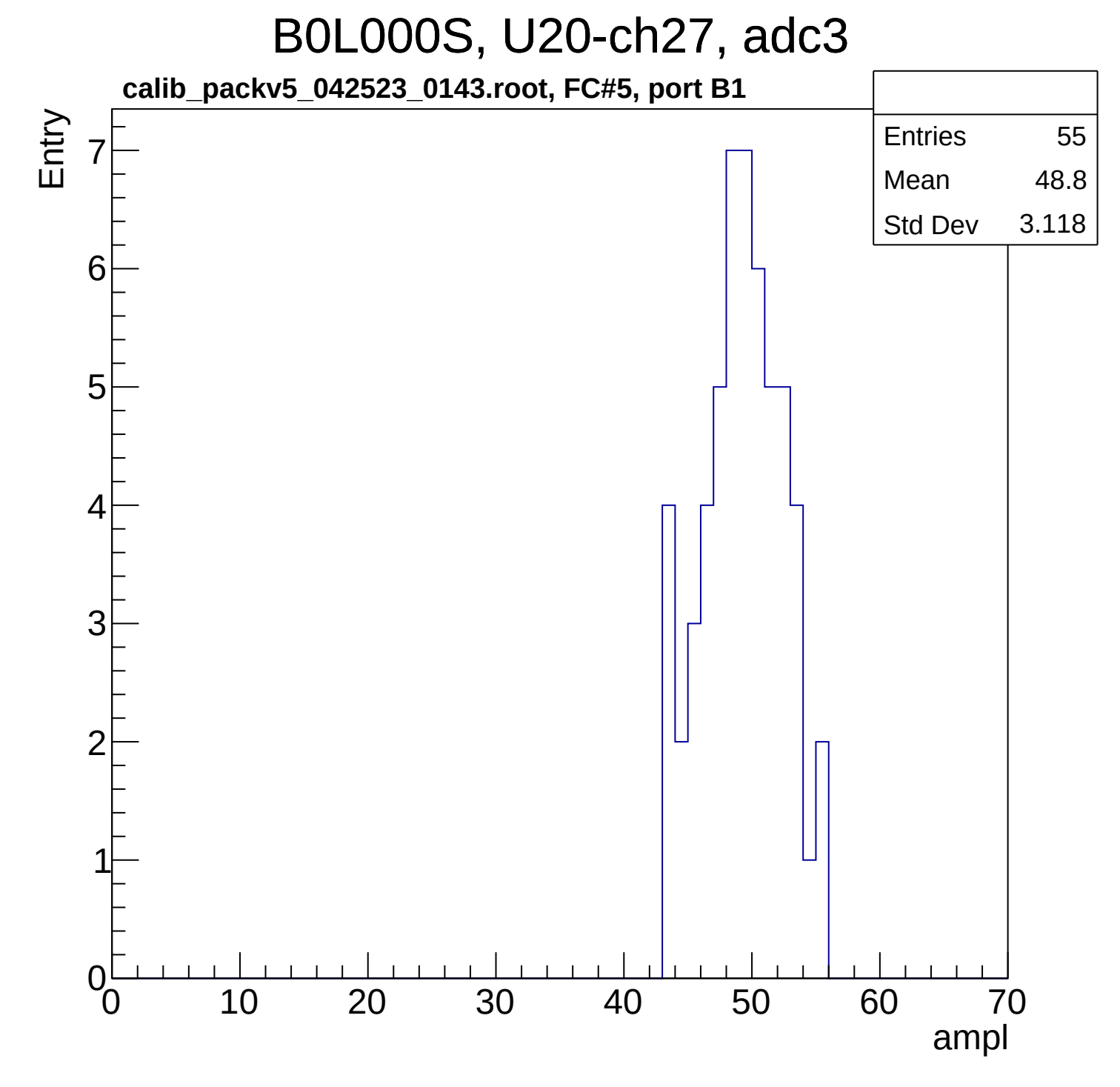
B0L000S, U20-ch27, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 48.8
Std Dev 3.118
Entry
ampl
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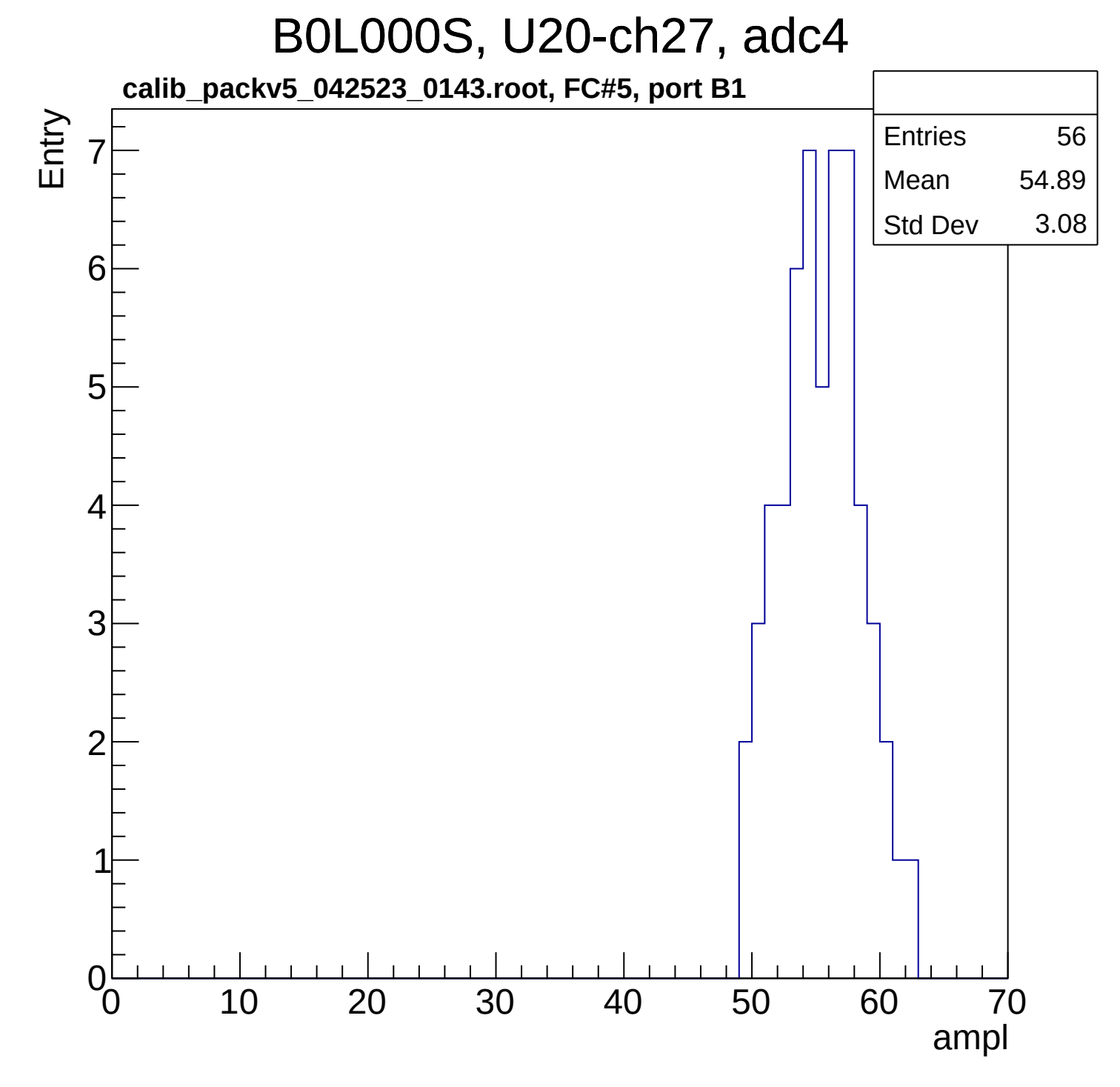
B0L000S, U20-ch27, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 54.89
Std Dev 3.08
Entry
ampl
0
1
2
3
4
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6
7
0
10
20
30
40
50
60
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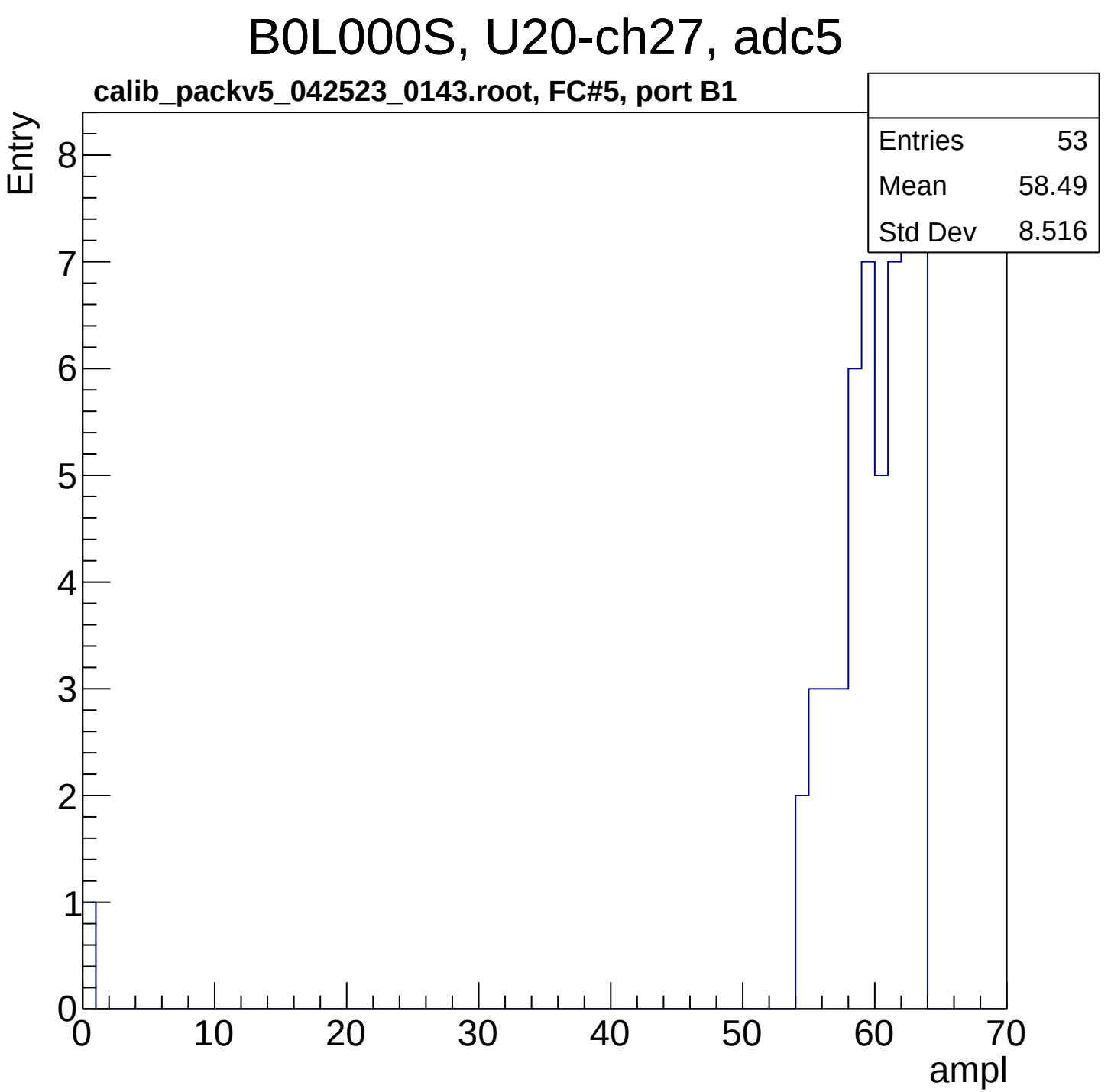
B0L000S, U20-ch27, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 58.49
Std Dev 8.516
Entry
ampl
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1
2
3
4
5
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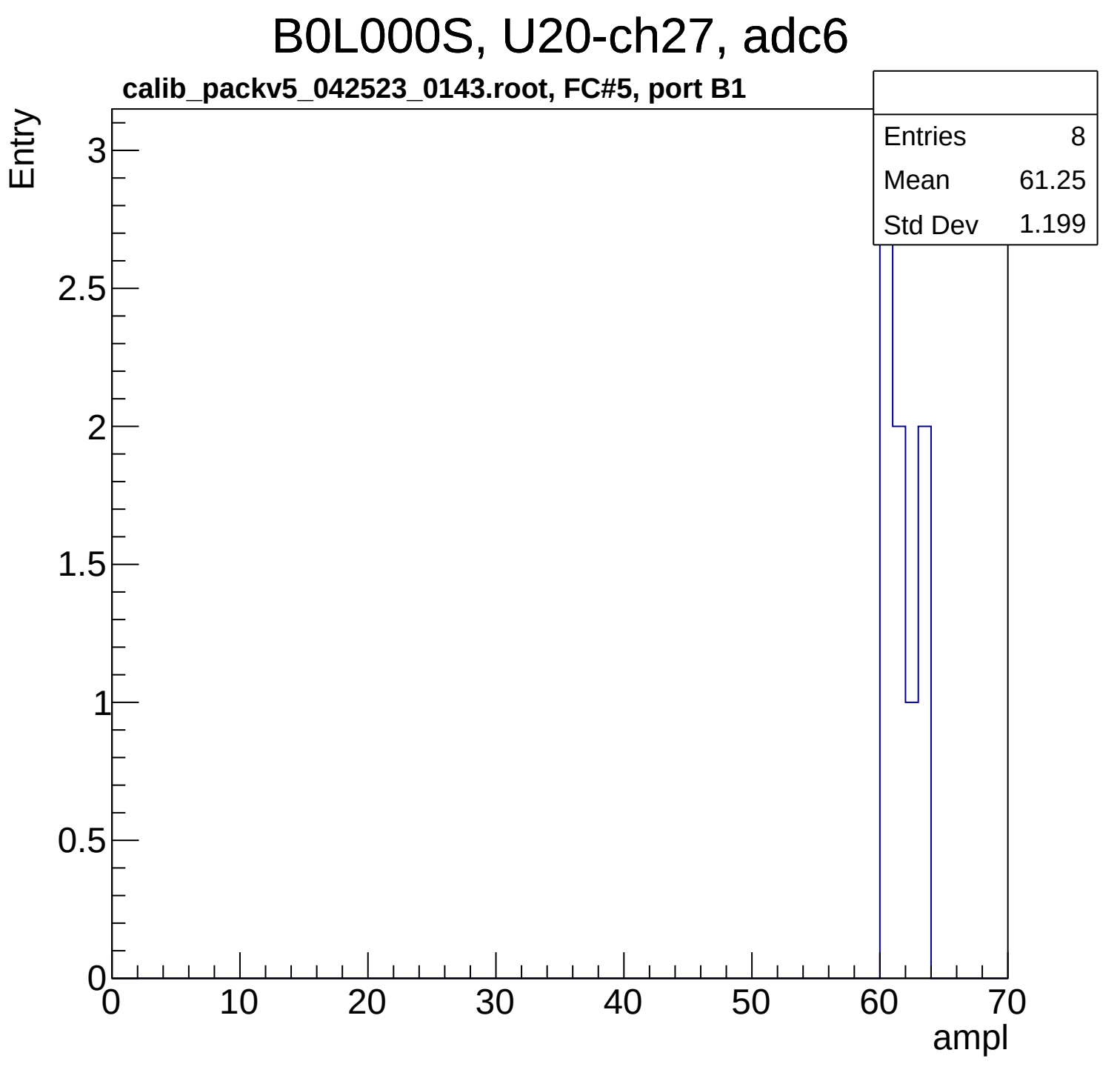
B0L000S, U20-ch27, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 61.25
Std Dev 1.199
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
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40
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60
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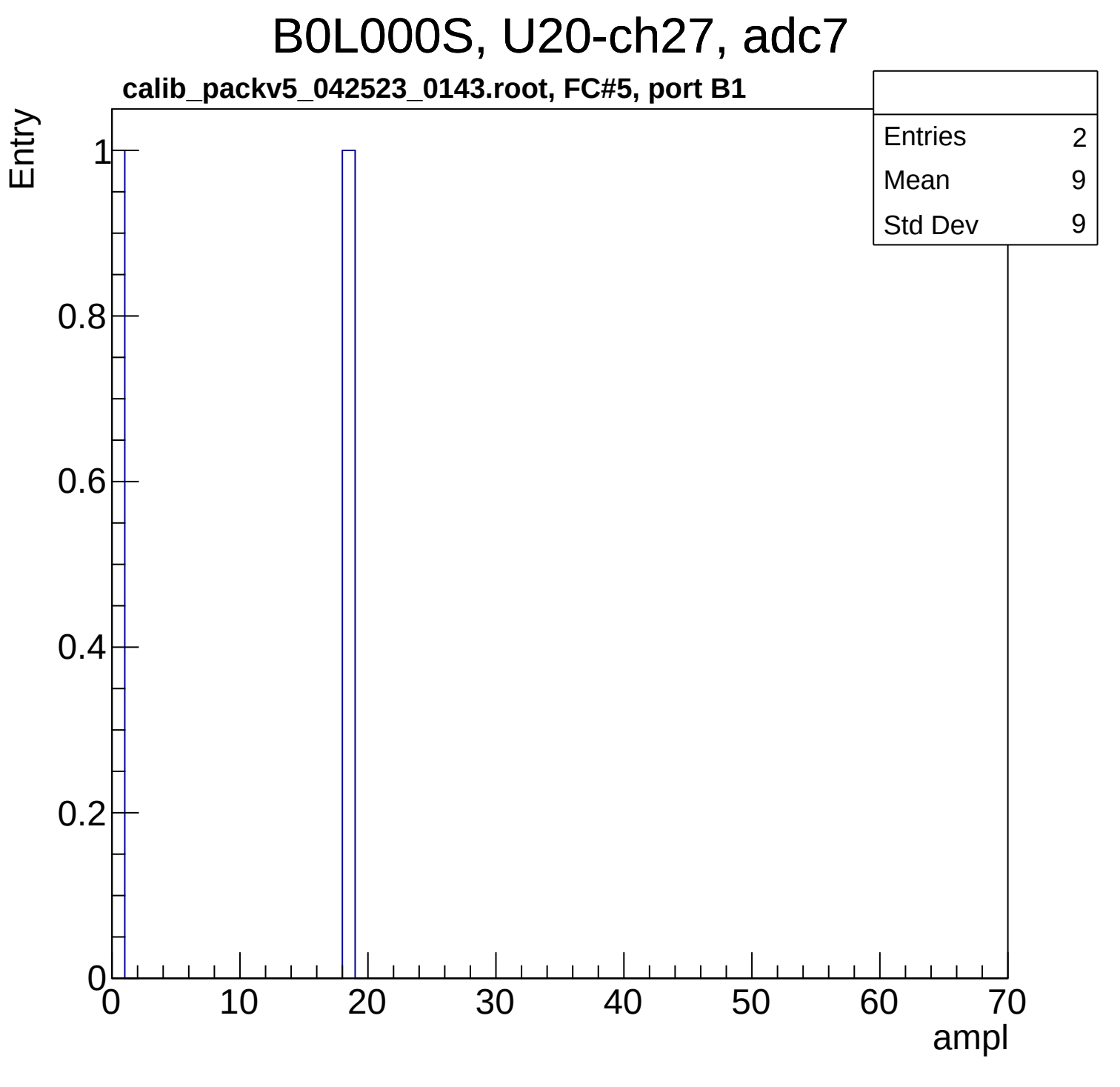
B0L000S, U20-ch27, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 9
Std Dev 9
Entry
1
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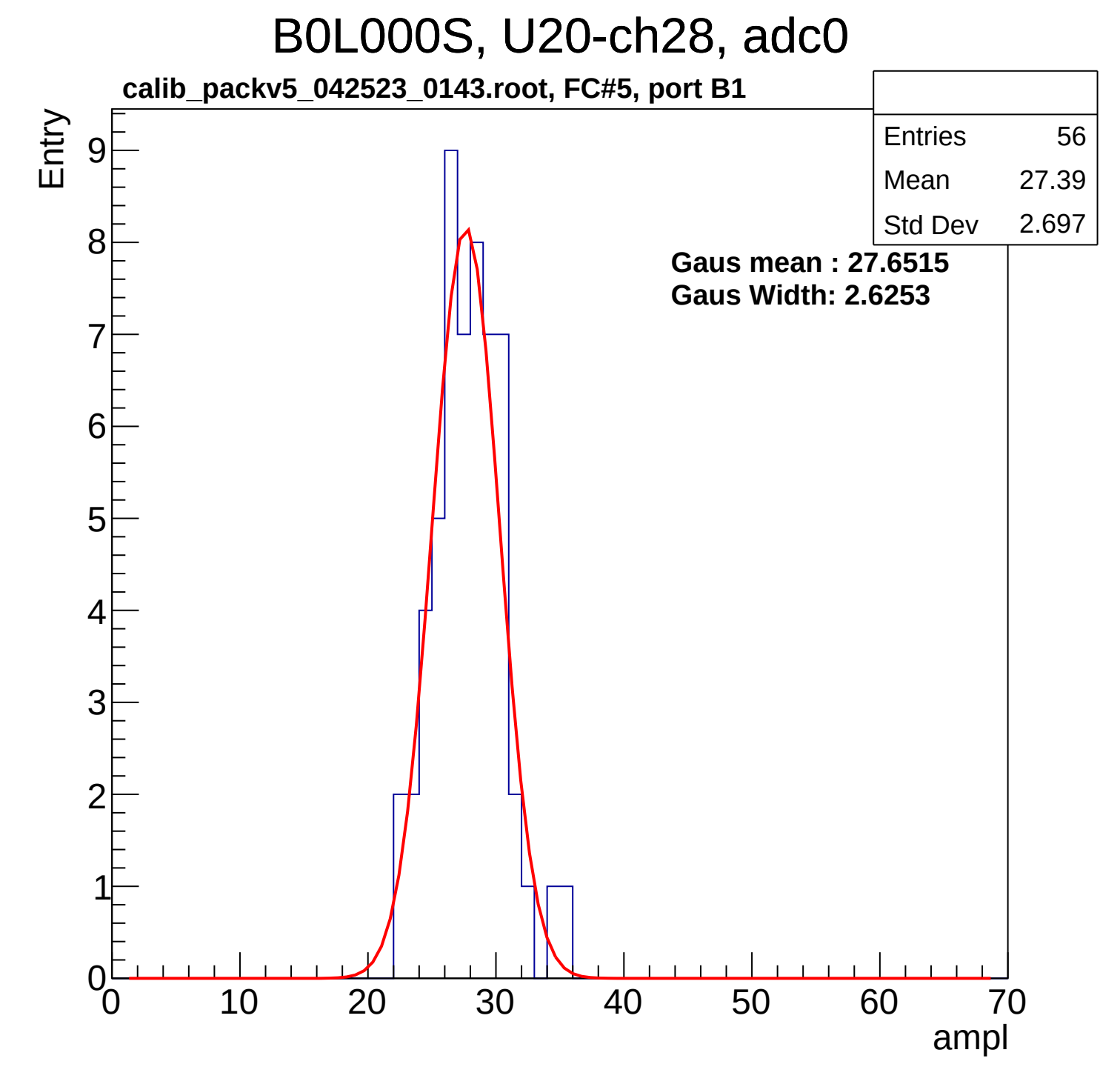
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch28, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 27.39
Std Dev 2.697
Gaus mean : 27.6515
Gaus Width: 2.6253
Entry
ampl
0
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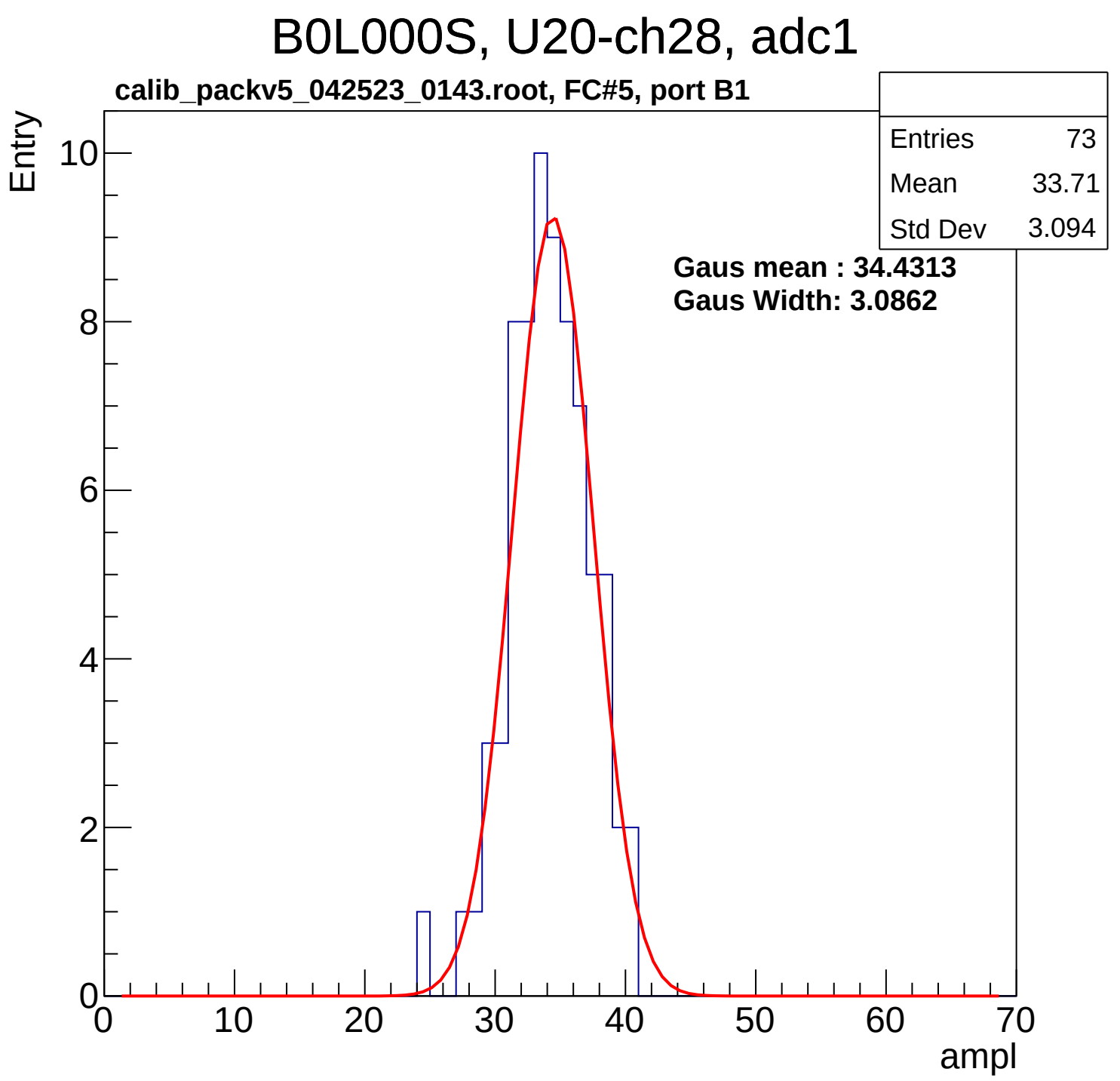
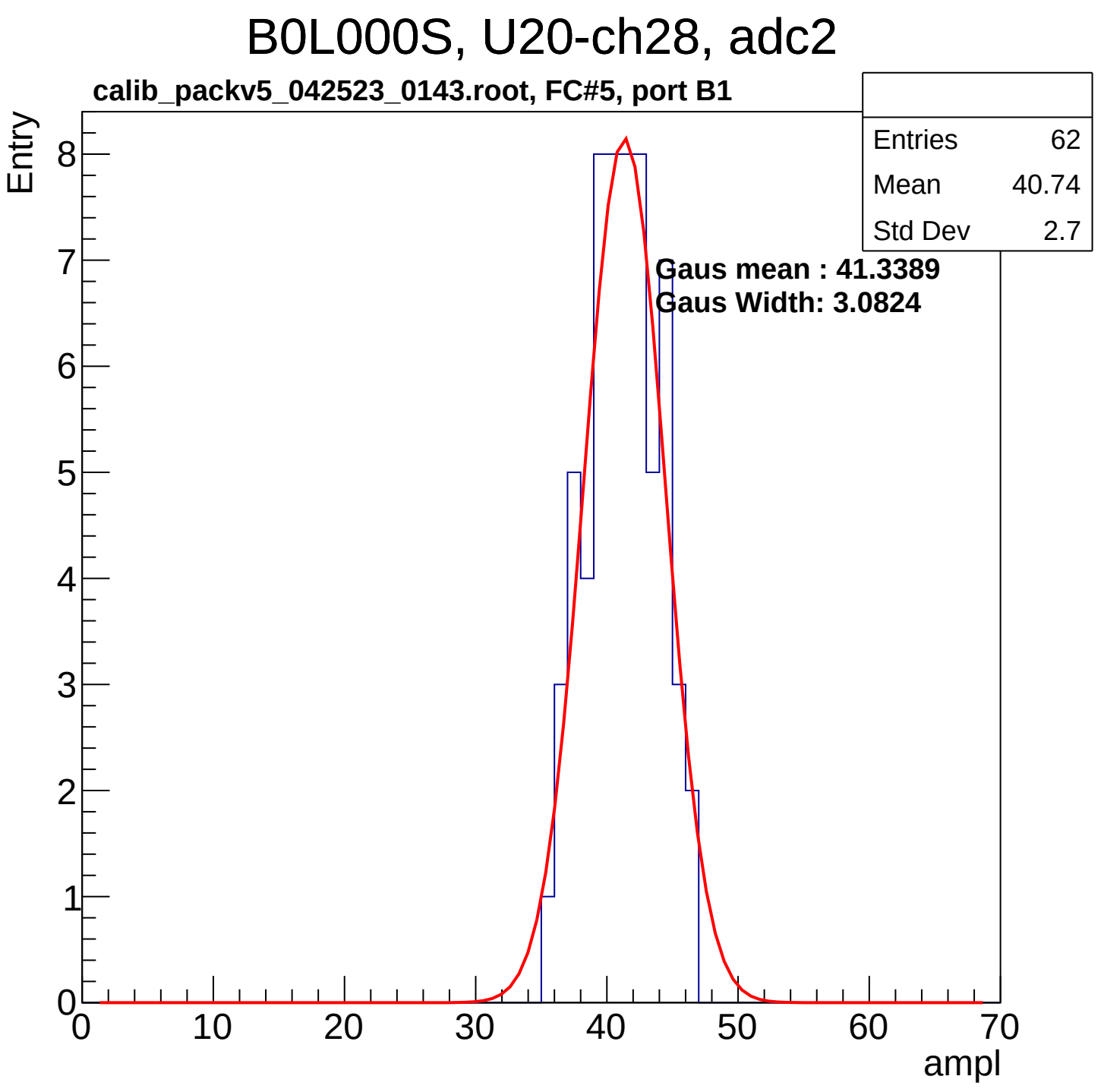
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch28, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 33.71
Std Dev 3.094
Gaus mean : 34.4313
Gaus Width: 3.0862
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch28, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 40.74
Std Dev 2.7
Gaus mean : 41.3389
Gaus Width: 3.0824
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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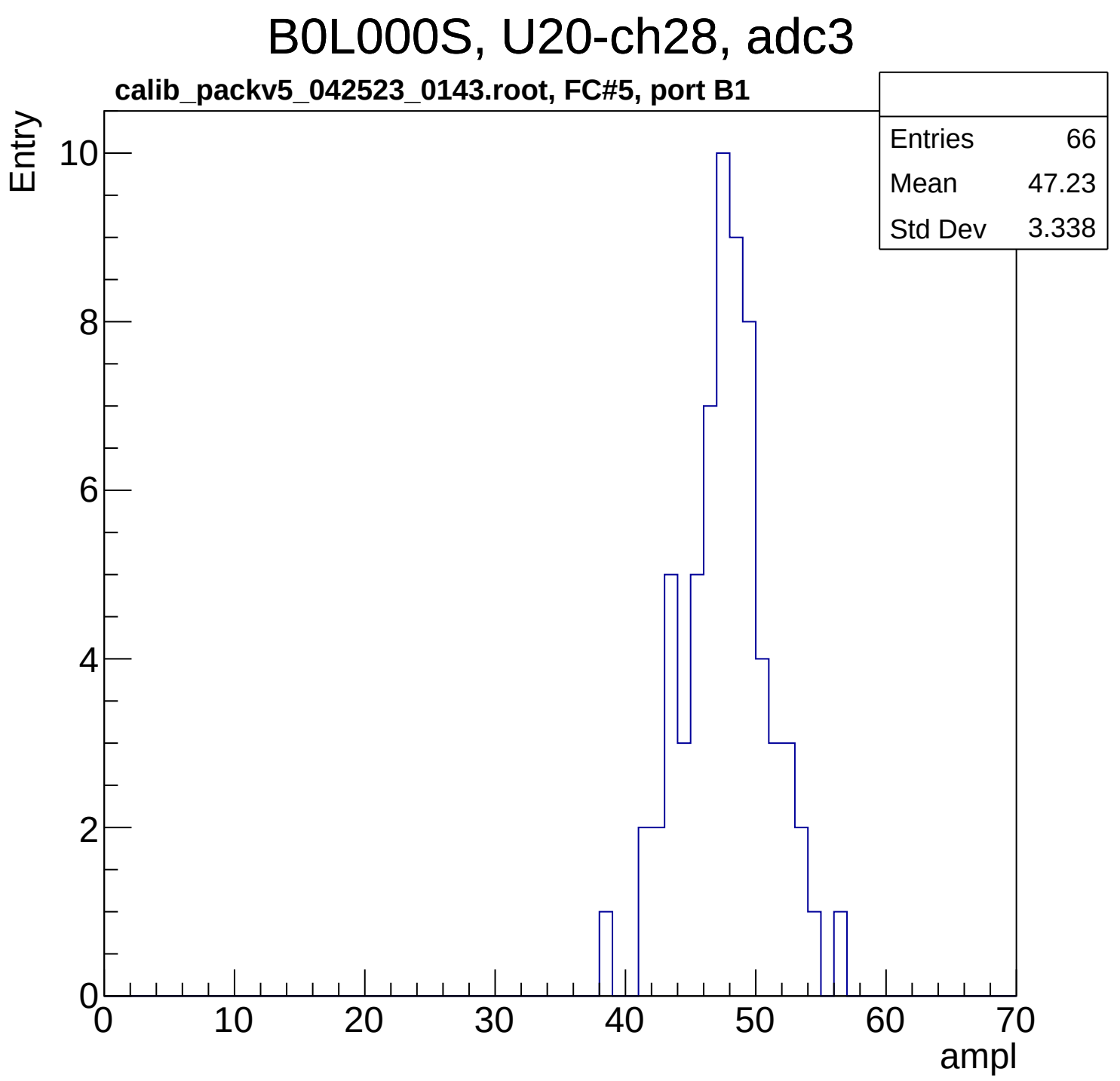
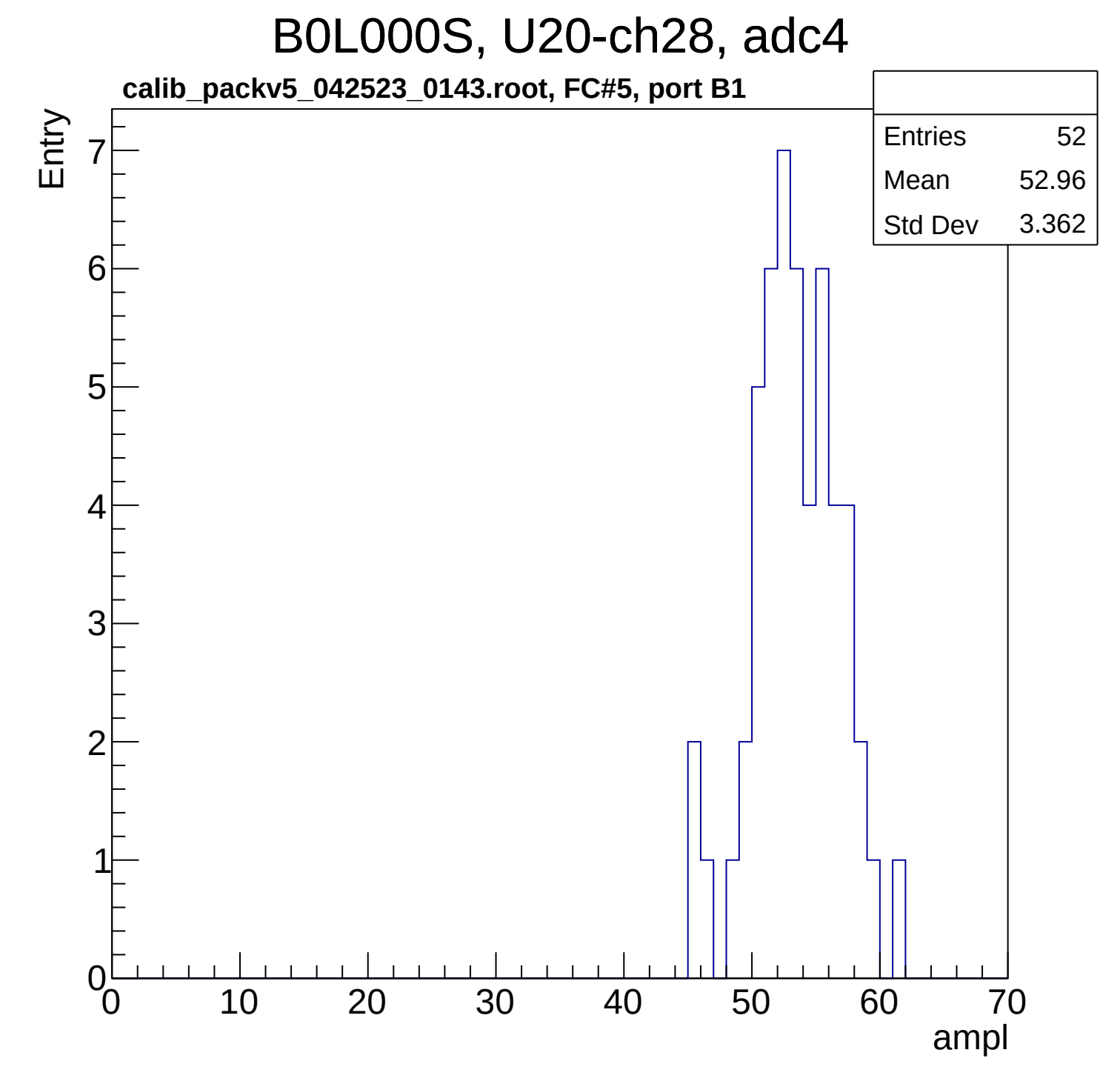

B0L000S, U20-ch28, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 47.23
Std Dev 3.338
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch28, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 52.96
Std Dev 3.362
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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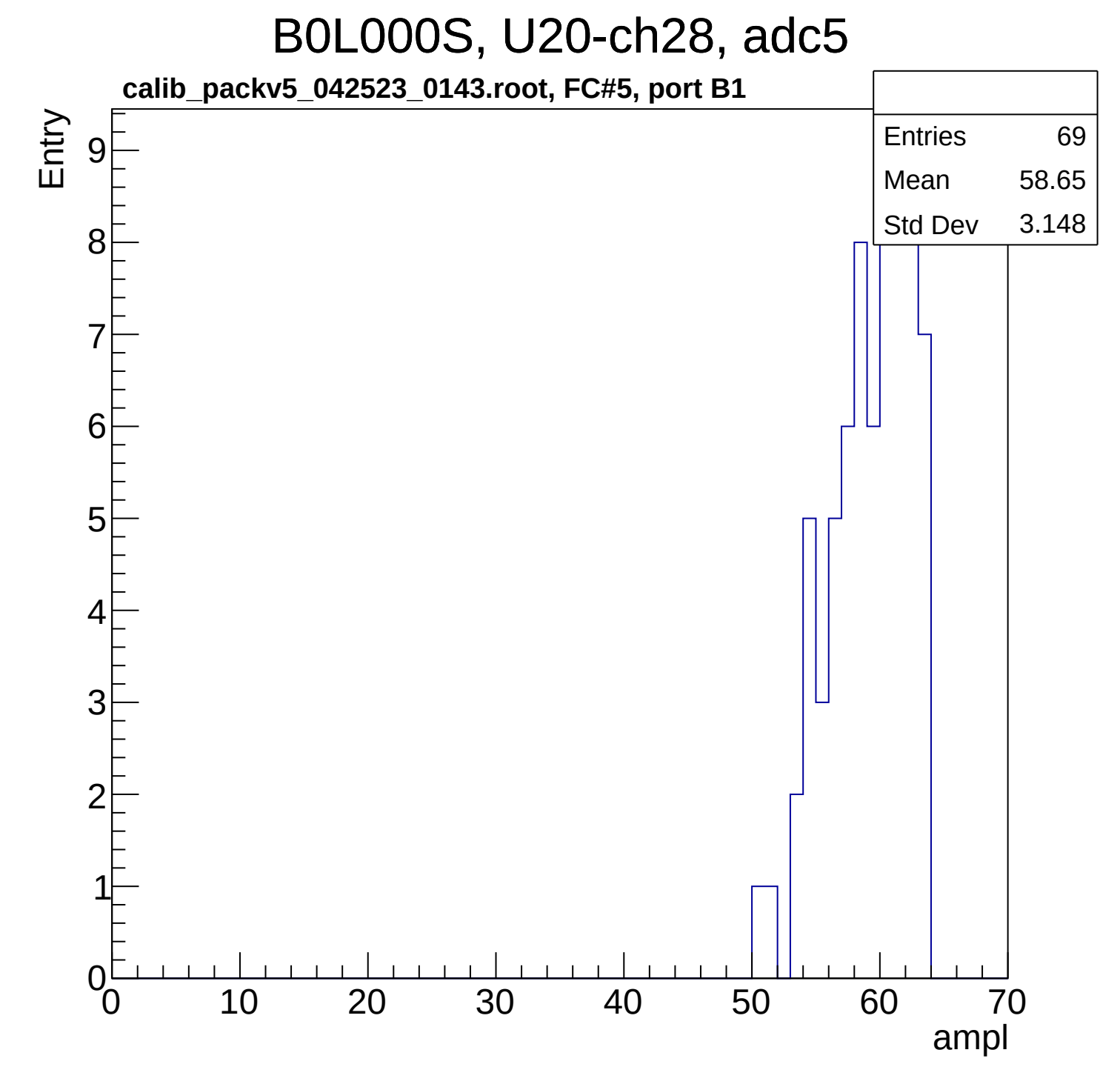
B0L000S, U20-ch28, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 58.65
Std Dev 3.148
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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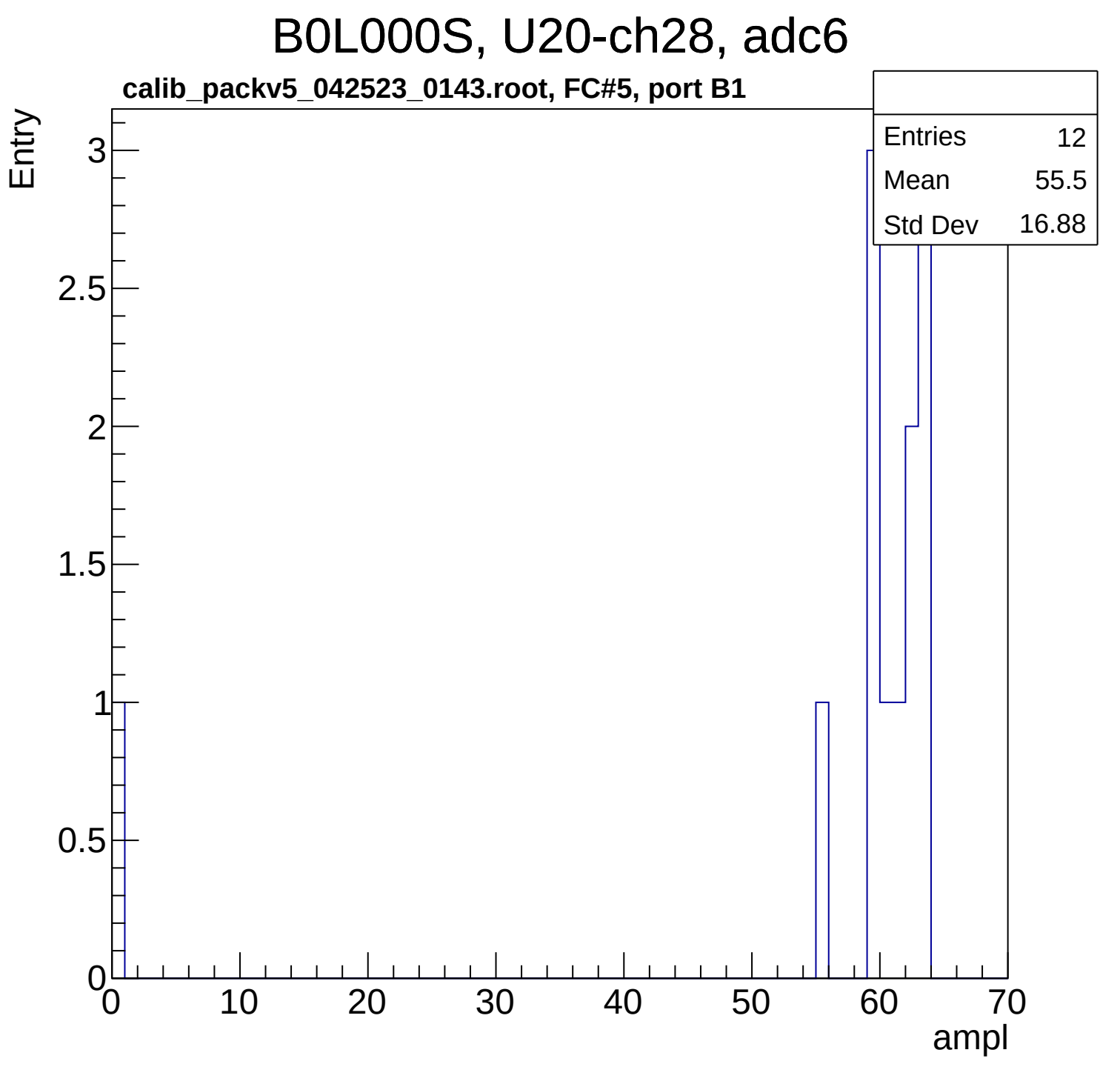
B0L000S, U20-ch28, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 55.5
Std Dev 16.88
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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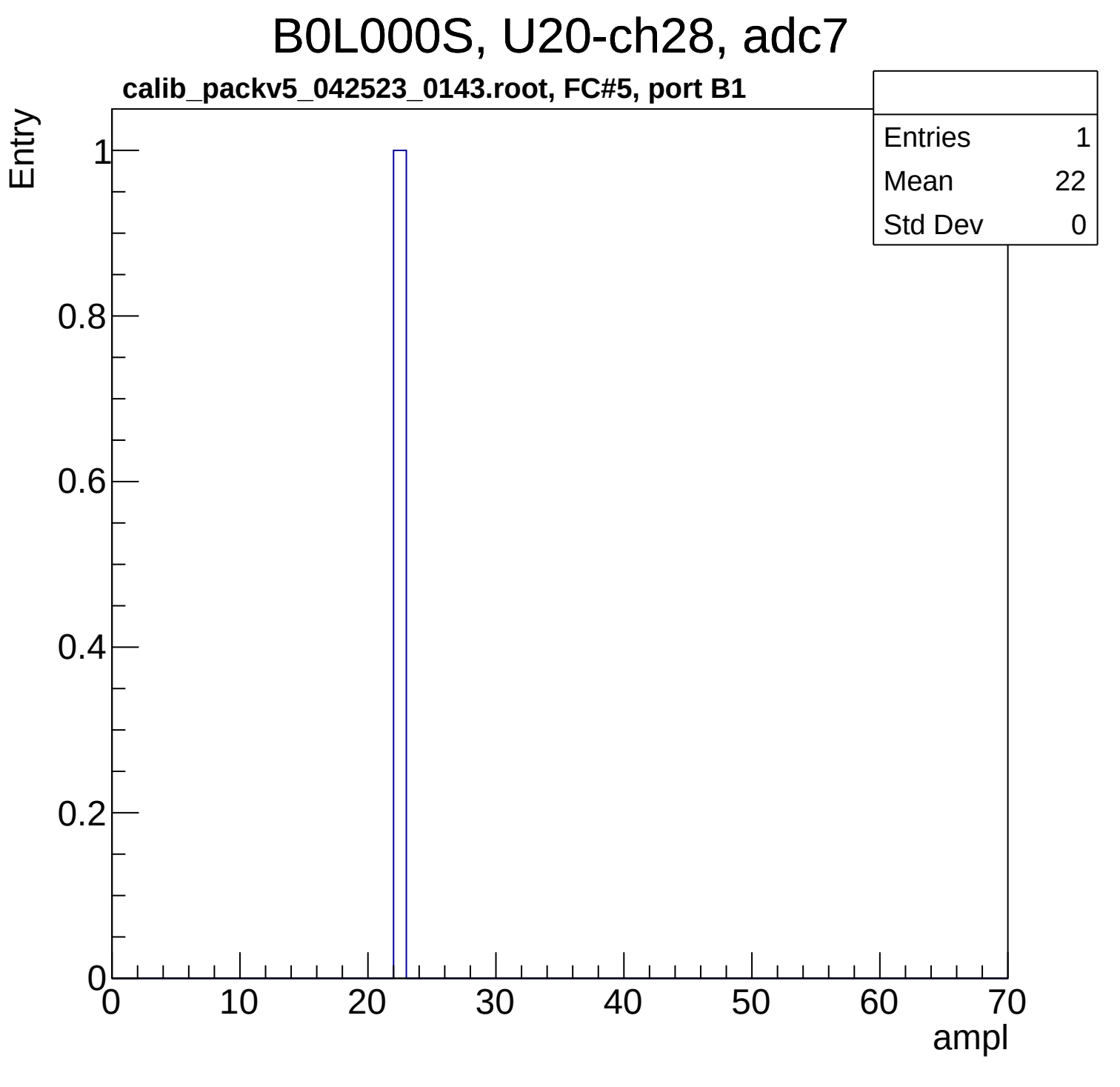
B0L000S, U20-ch28, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 22
Std Dev 0
Entry
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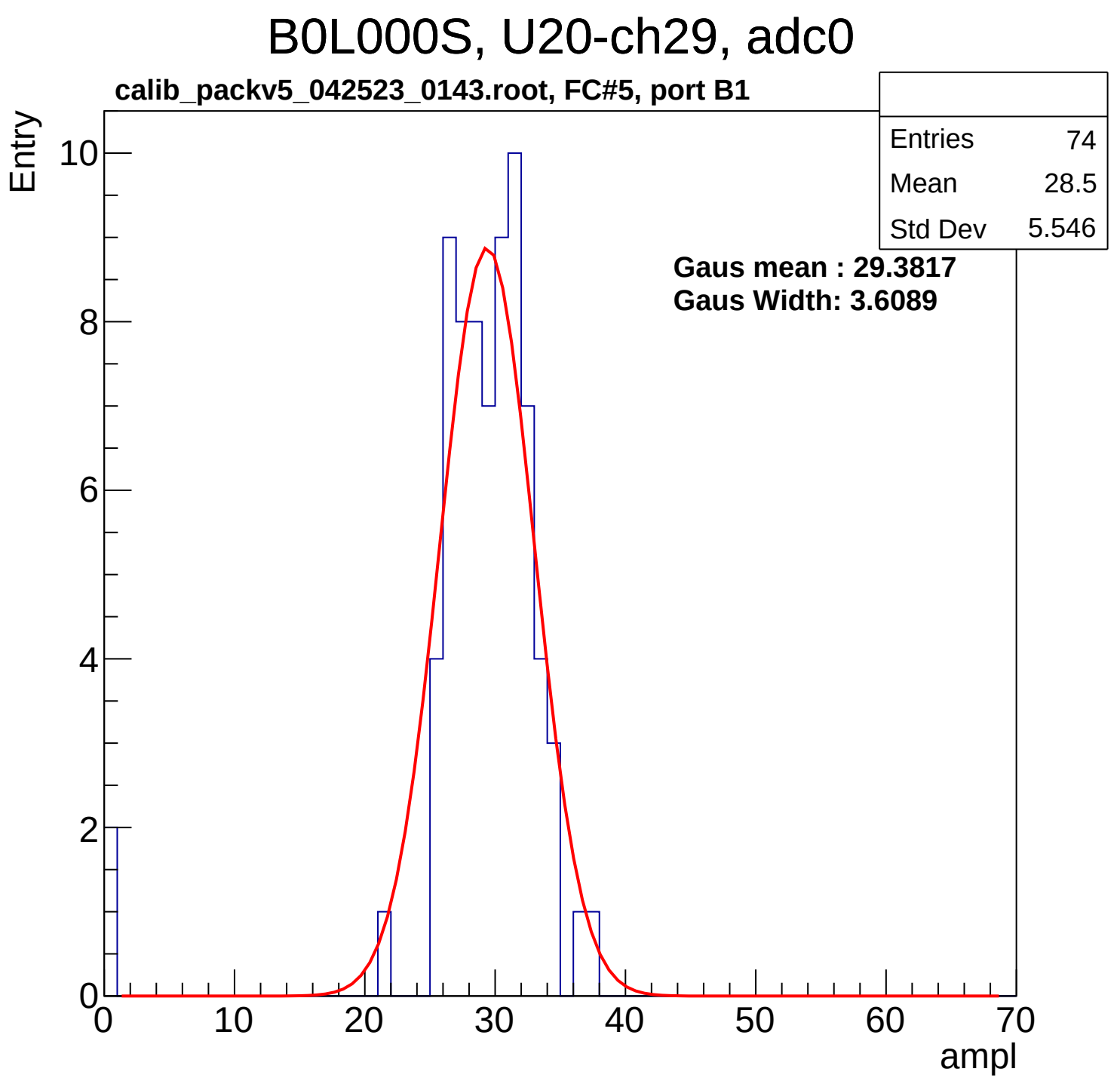
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch29, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 28.5
Std Dev 5.546
Gaus mean : 29.3817
Gaus Width: 3.6089
Entry
ampl
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4
6
8
10
0
10
20
30
40
50
60
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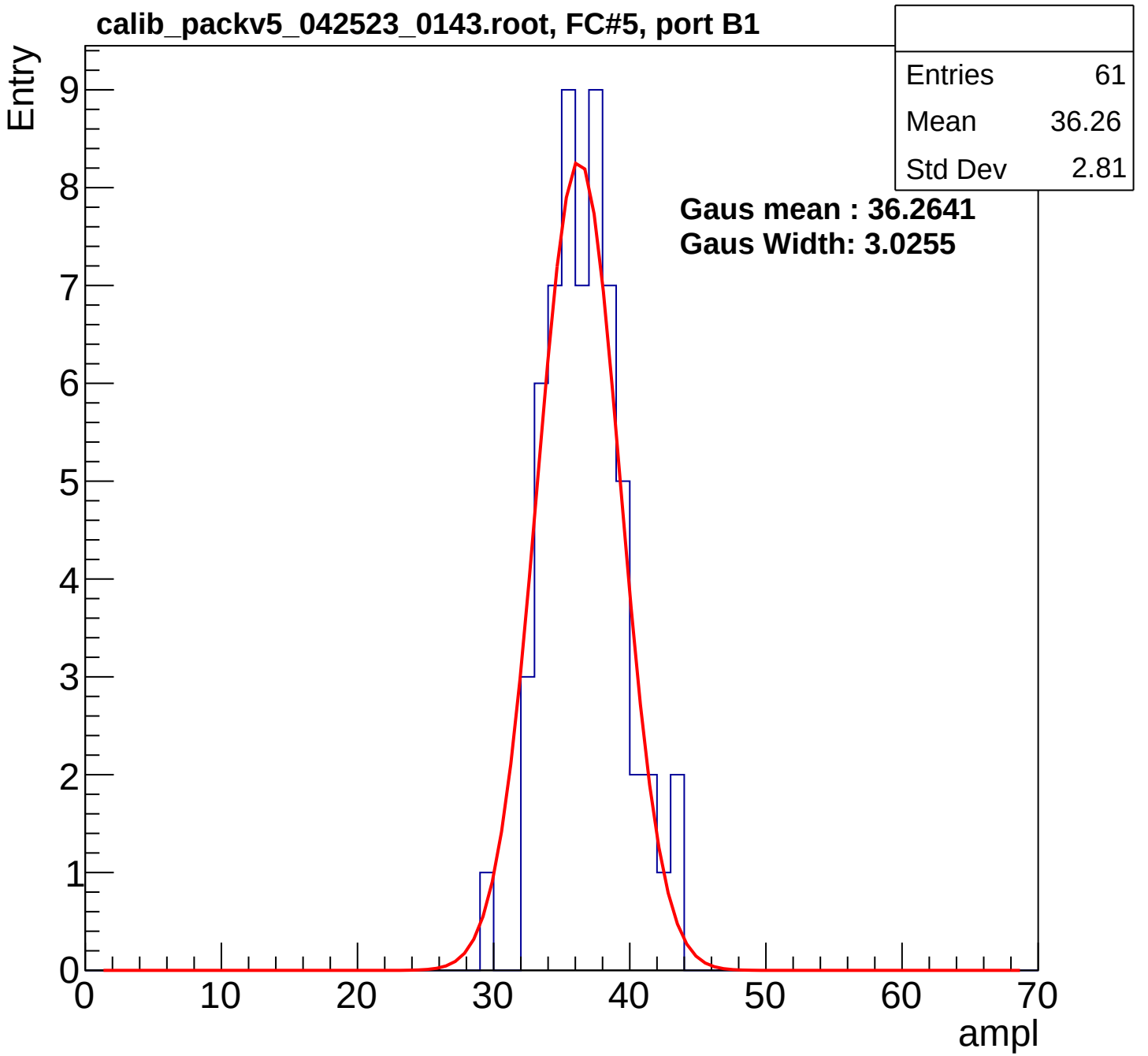
B0L000S, U20-ch29, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 36.26
Std Dev 2.81
Gaus mean : 36.2641
Gaus Width: 3.0255
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
30
40
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60
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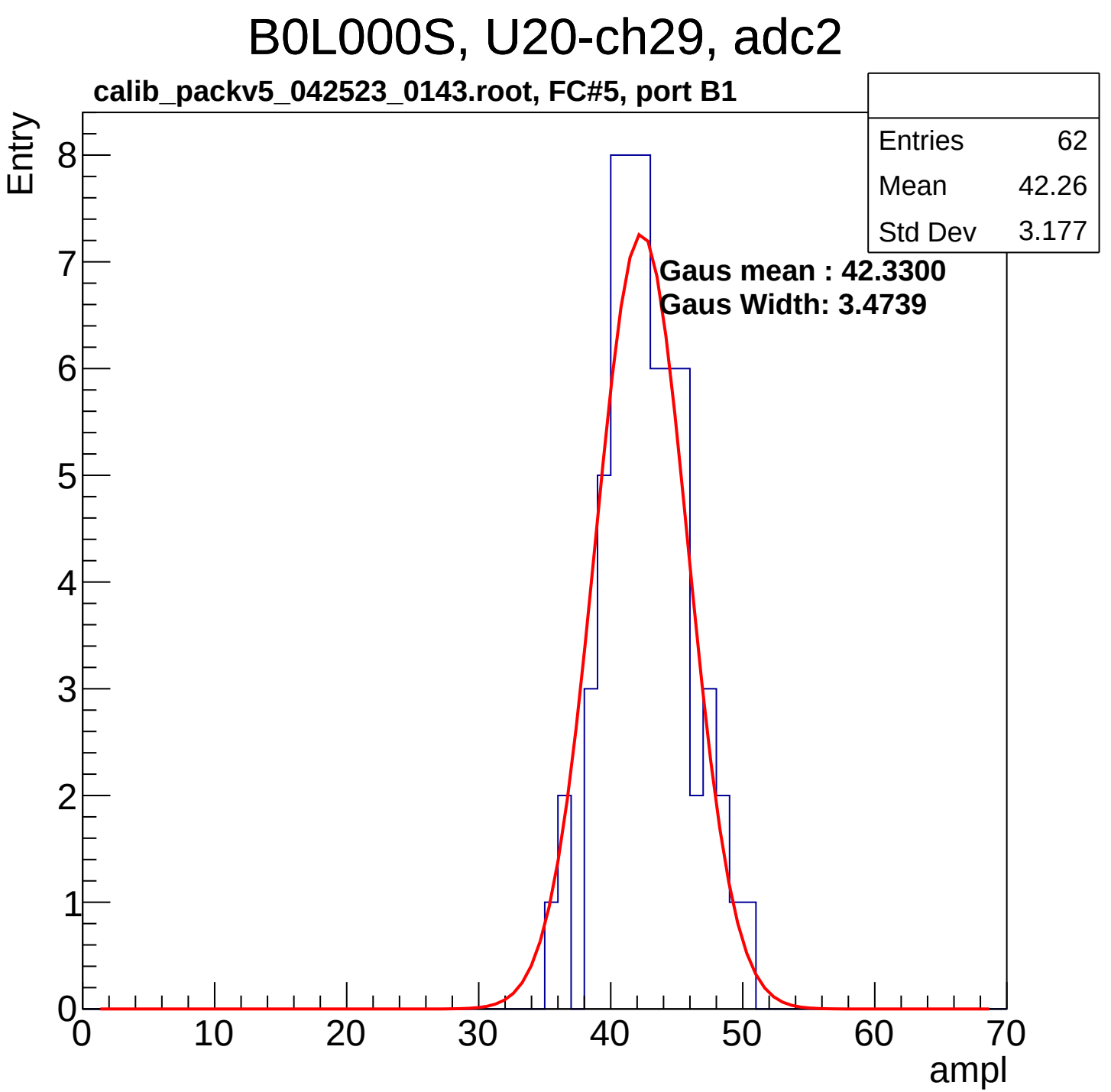
B0L000S, U20-ch29, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 42.26
Std Dev 3.177
Gaus mean : 42.3300
Gaus Width: 3.4739
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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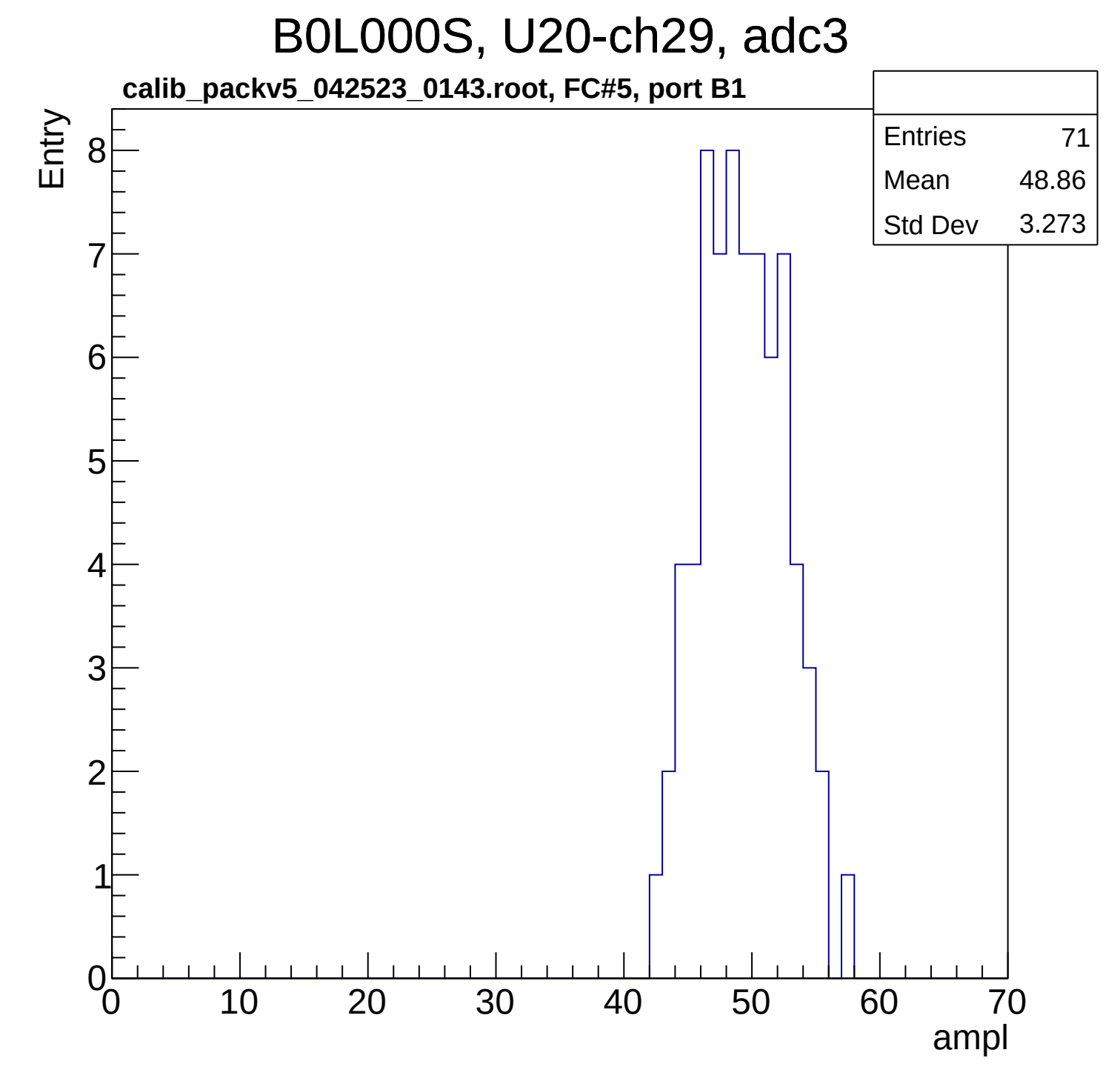
B0L000S, U20-ch29, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 48.86
Std Dev 3.273
Entry
ampl
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3
4
5
6
7
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0
10
20
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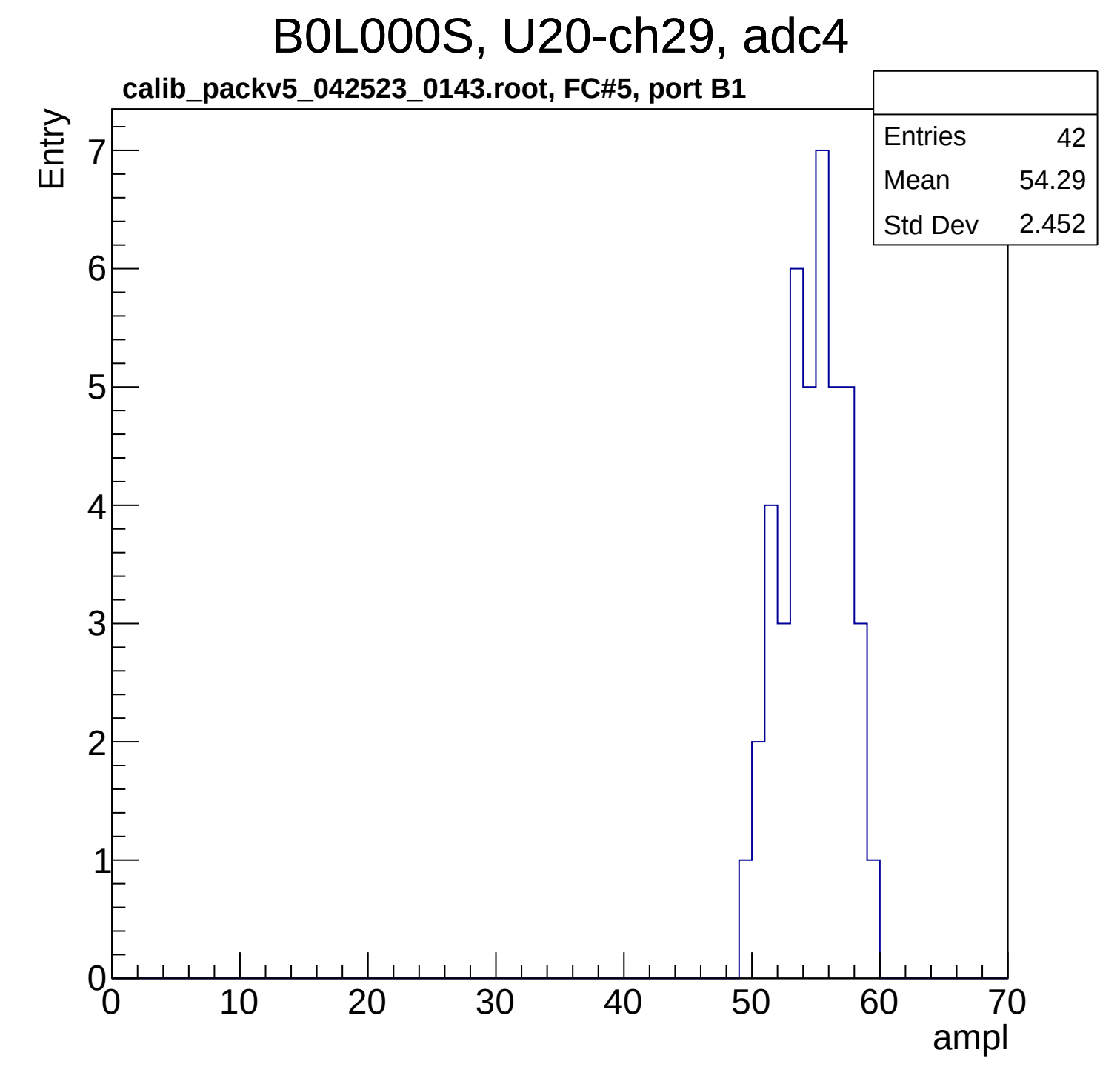
B0L000S, U20-ch29, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 54.29
Std Dev 2.452
Entry
ampl
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2
3
4
5
6
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0
10
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40
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60
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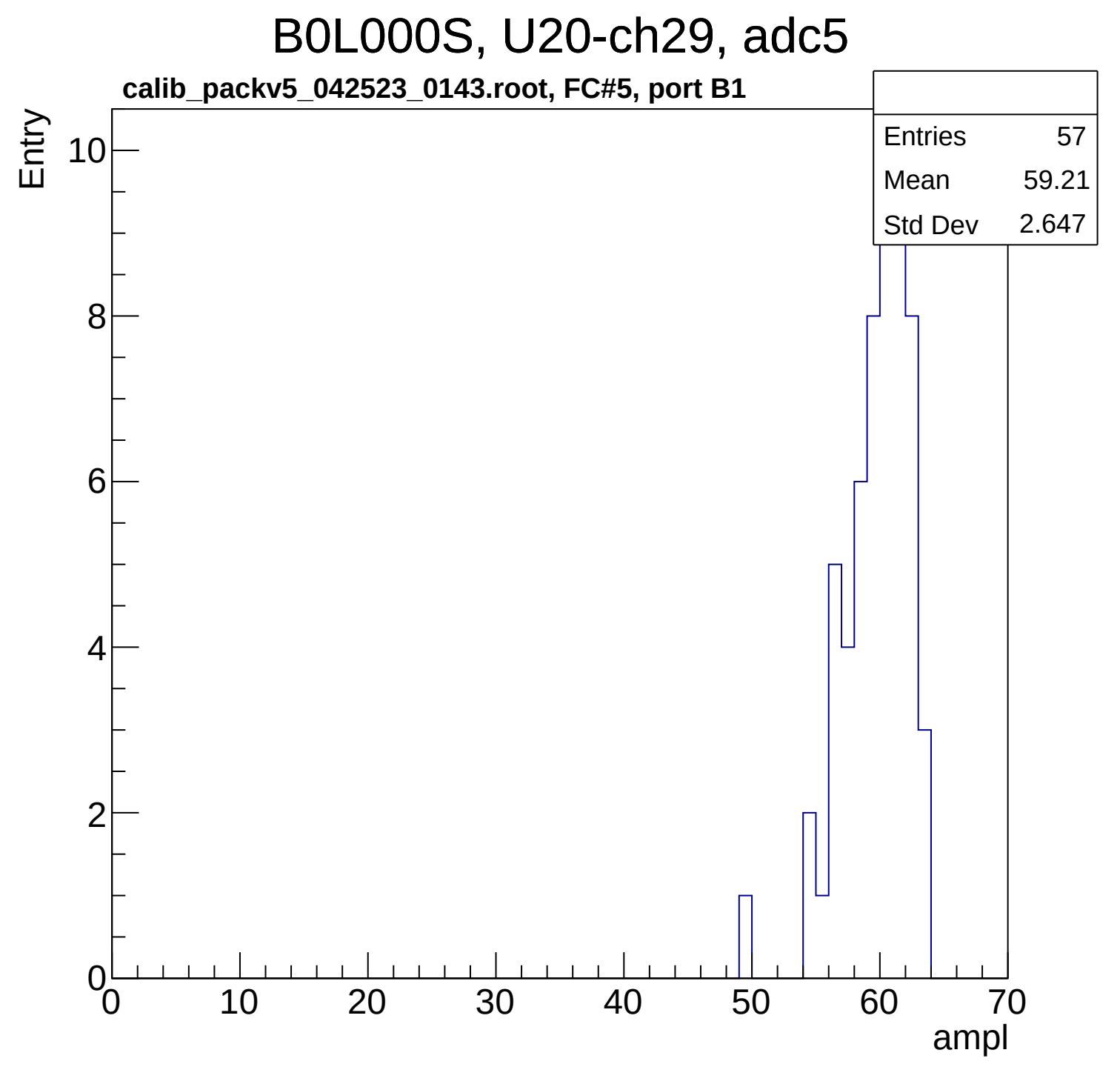
B0L000S, U20-ch29, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 59.21
Std Dev 2.647
Entry
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2
4
6
8
10
0
10
20
30
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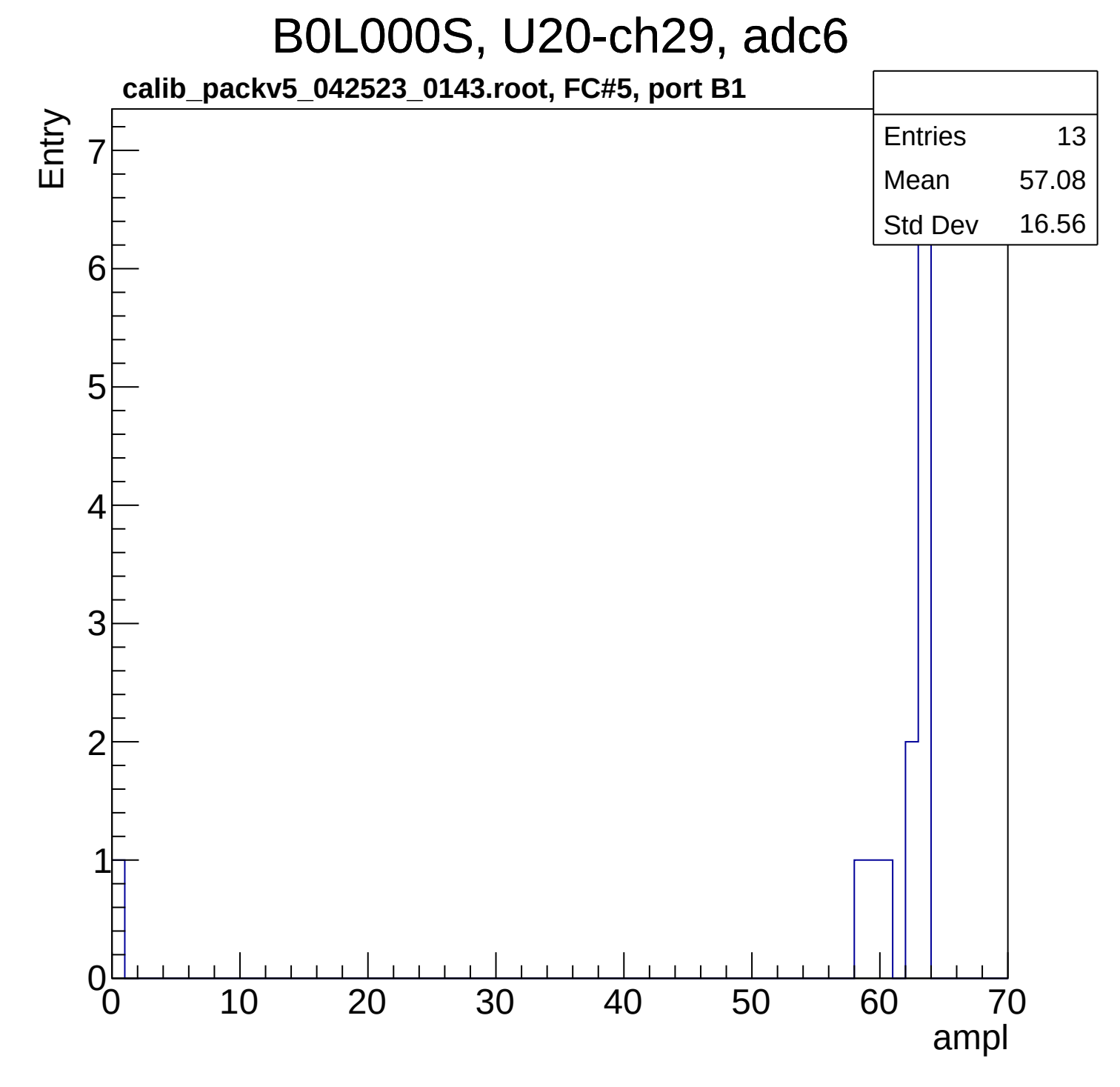
50
60
70
ampl


B0L000S, U20-ch29, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 57.08
Std Dev 16.56
Entry
ampl
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4
5
6
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0
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20
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40
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60
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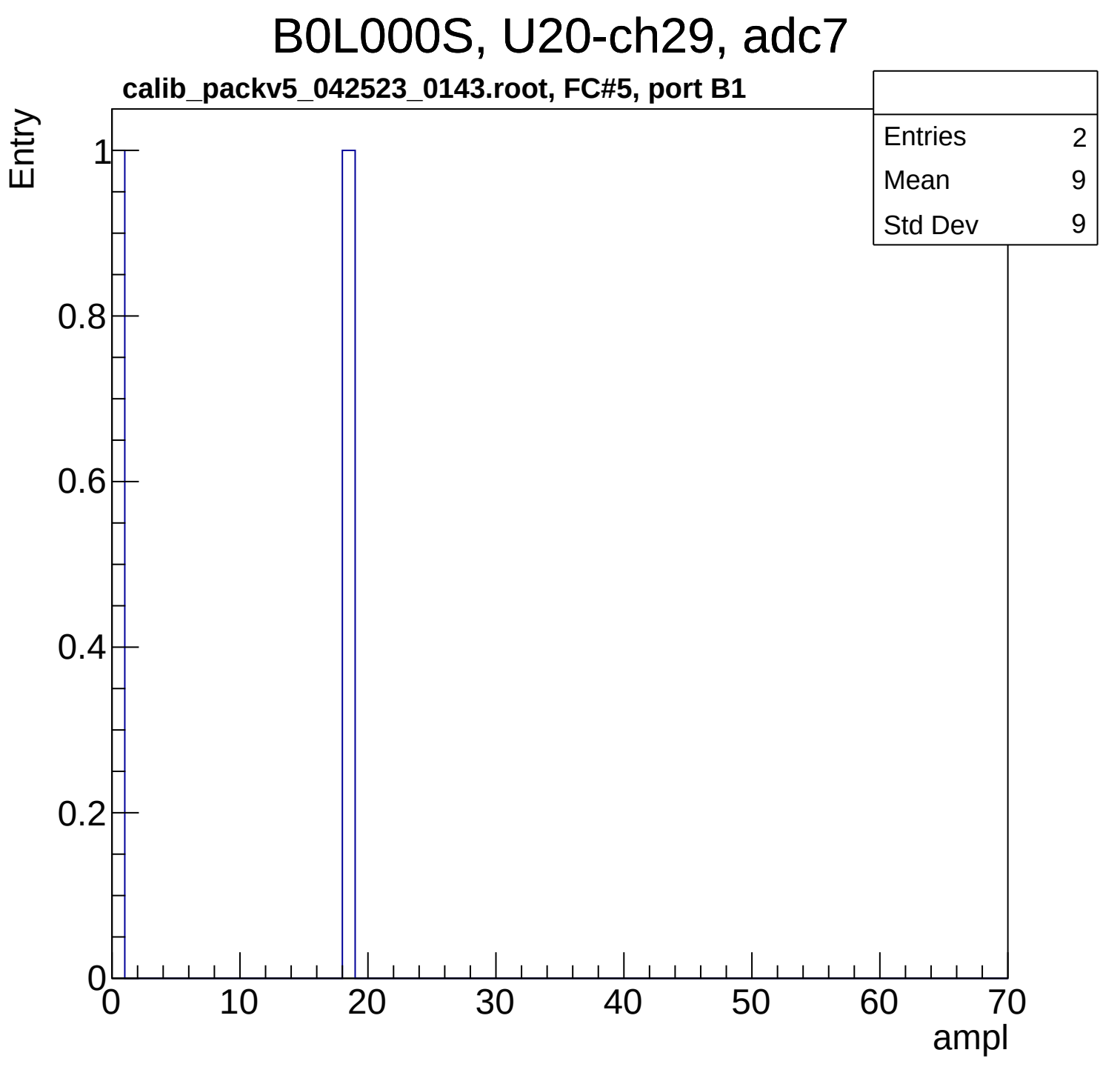
B0L000S, U20-ch29, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 9
Std Dev 9
Entry
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0.6
0.4
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0
0
10
20
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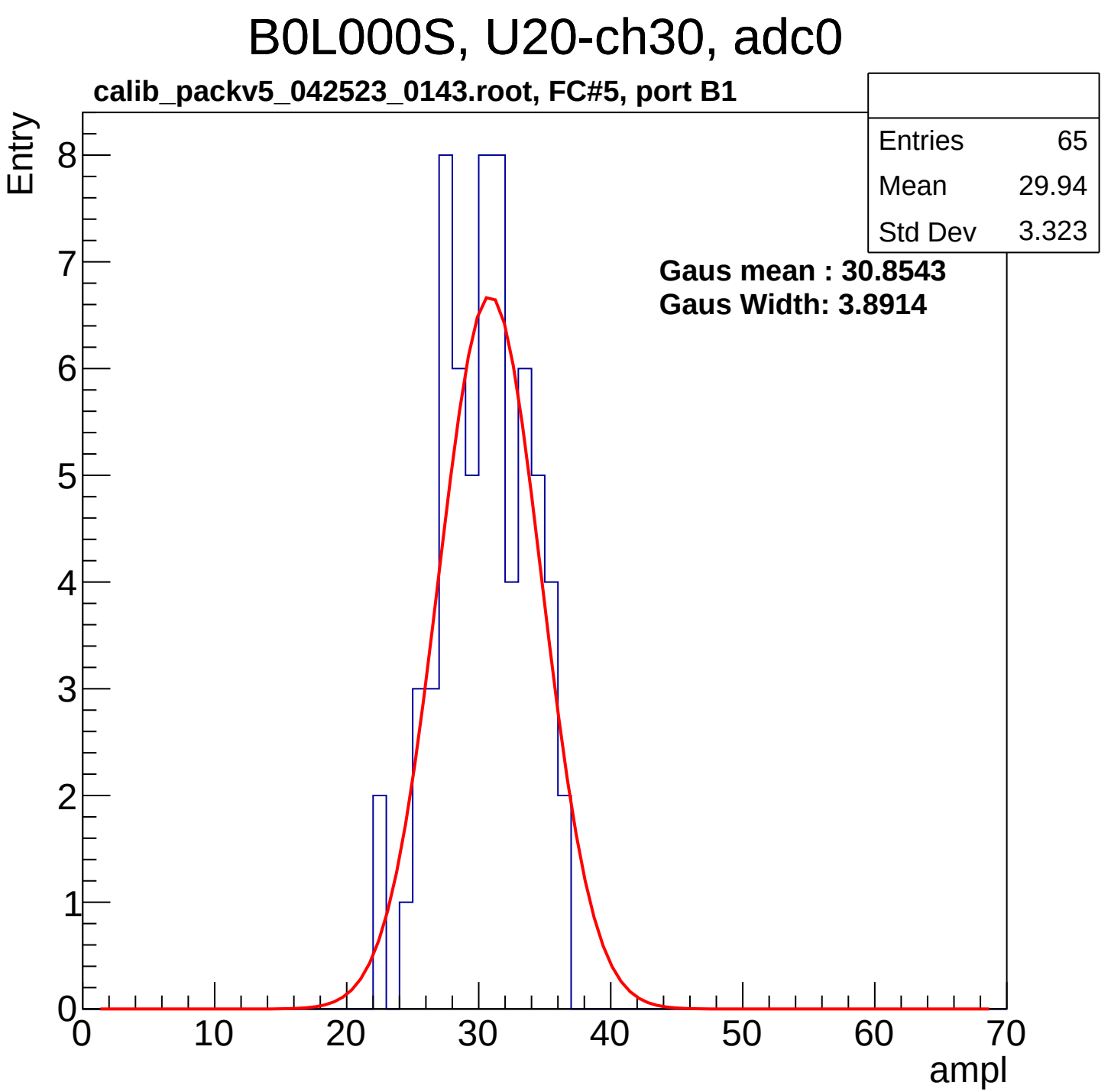
50
60
70
ampl


B0L000S, U20-ch30, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 29.94
Std Dev 3.323
Gaus mean : 30.8543
Gaus Width: 3.8914
Entry
ampl
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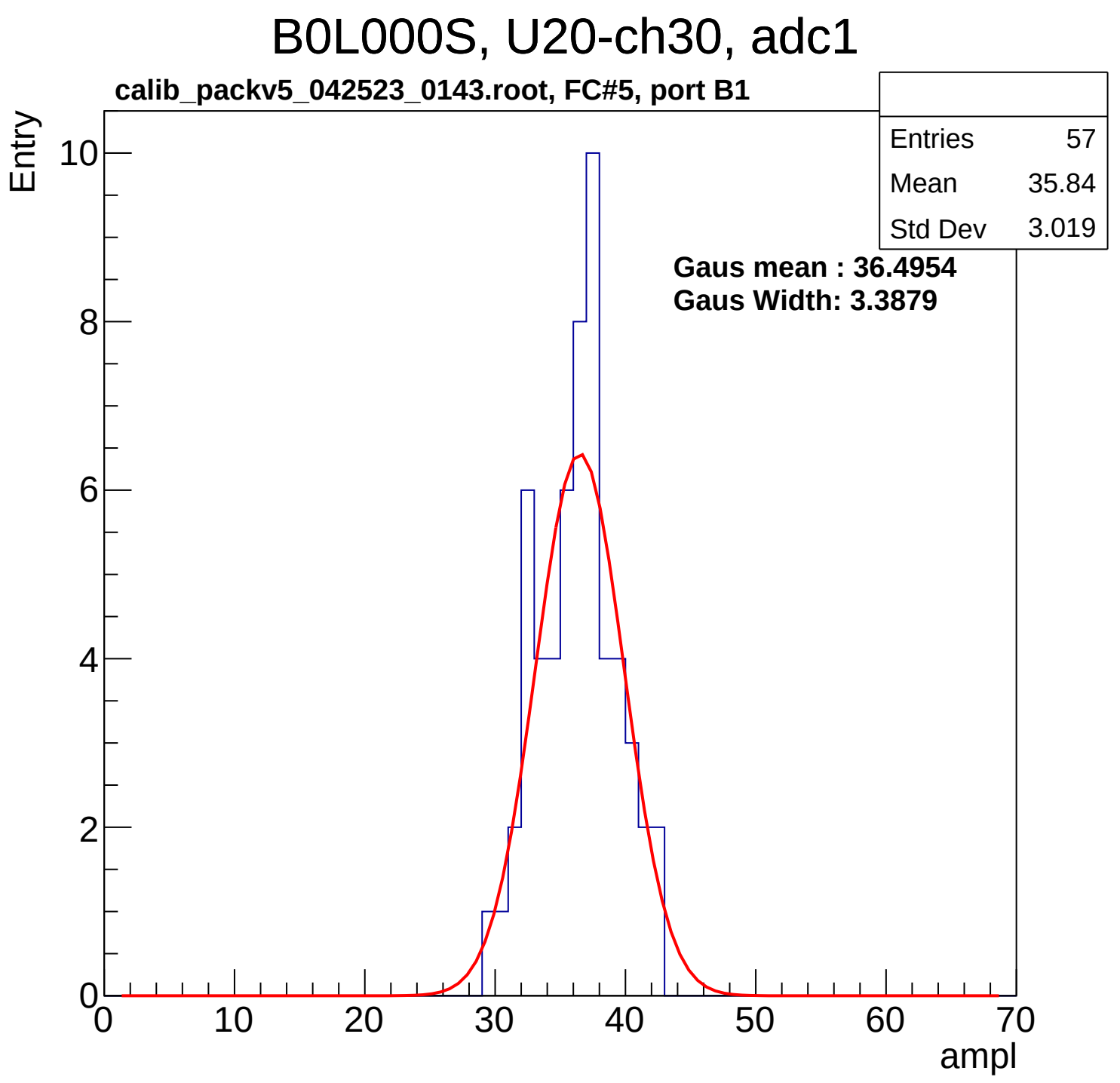
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch30, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 35.84
Std Dev 3.019
Gaus mean : 36.4954
Gaus Width: 3.3879
Entry
ampl
0
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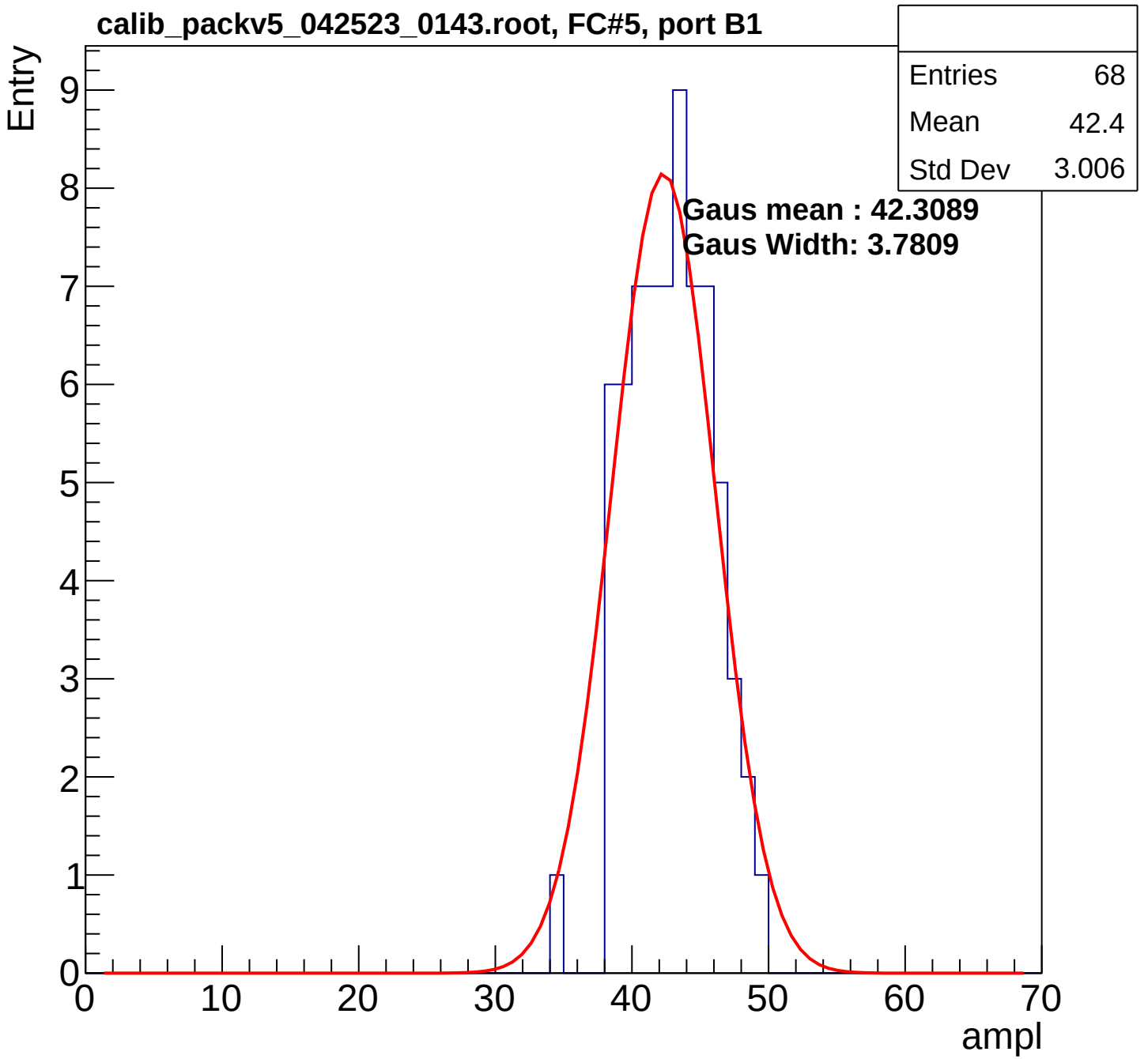
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch30, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 42.4
Std Dev 3.006
Gaus mean : 42.3089
Gaus Width: 3.7809
Entry
ampl
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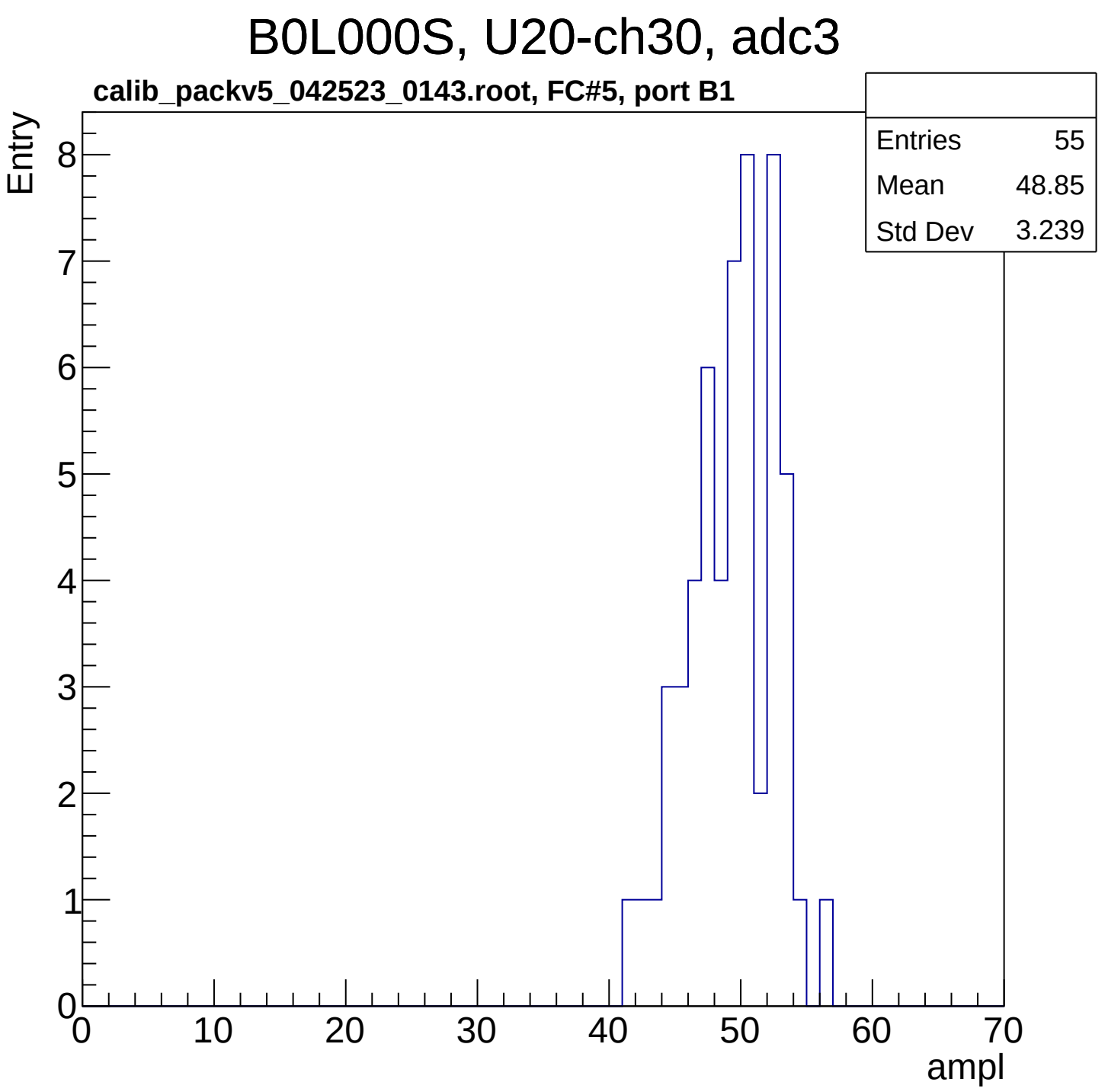
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch30, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 48.85
Std Dev 3.239
Entry
ampl
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3
4
5
6
7
8
0
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20
30
40
50
60
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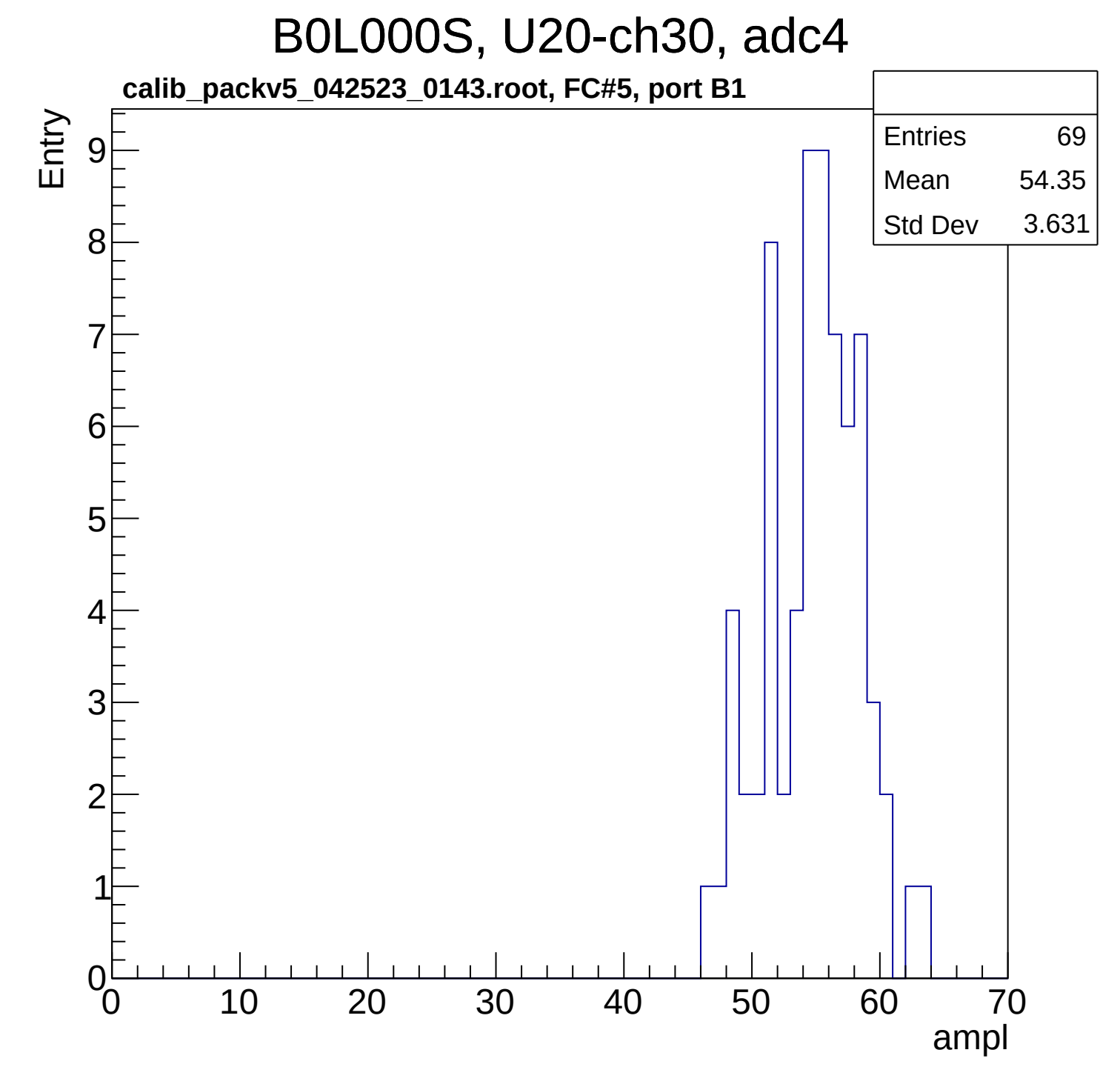
B0L000S, U20-ch30, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 54.35
Std Dev 3.631
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
30
40
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60
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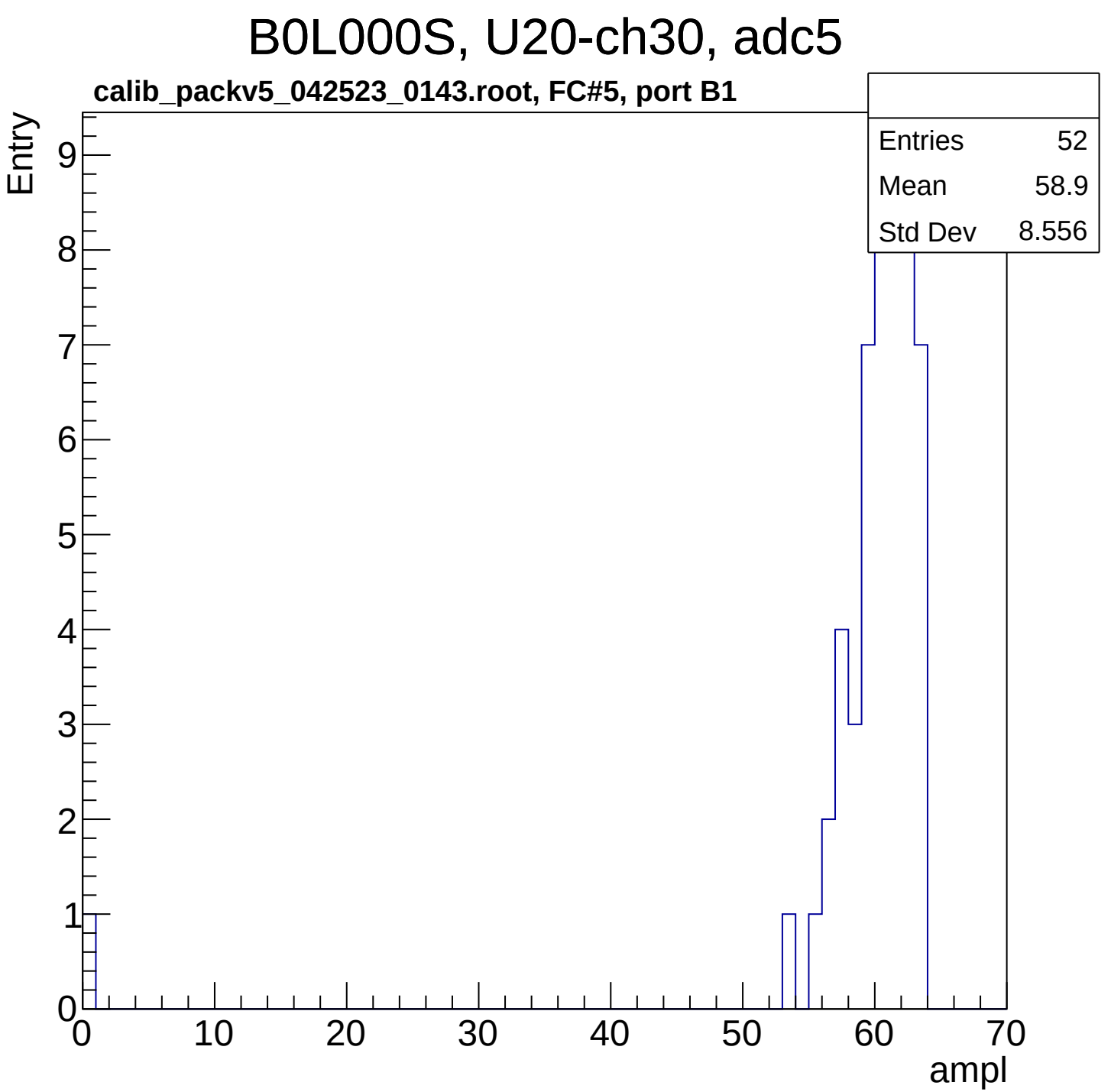
B0L000S, U20-ch30, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 58.9
Std Dev 8.556
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
30
40
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60
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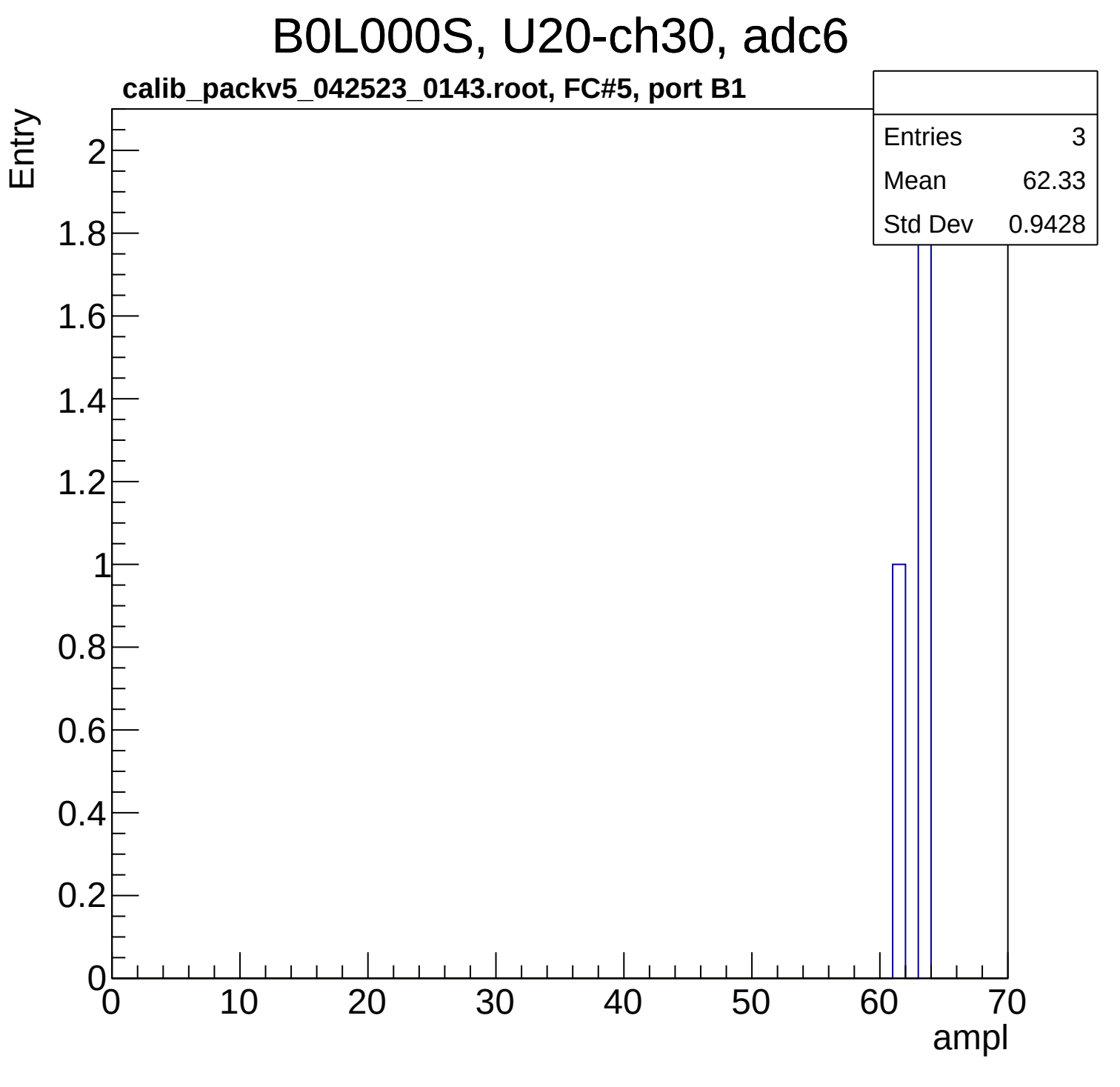
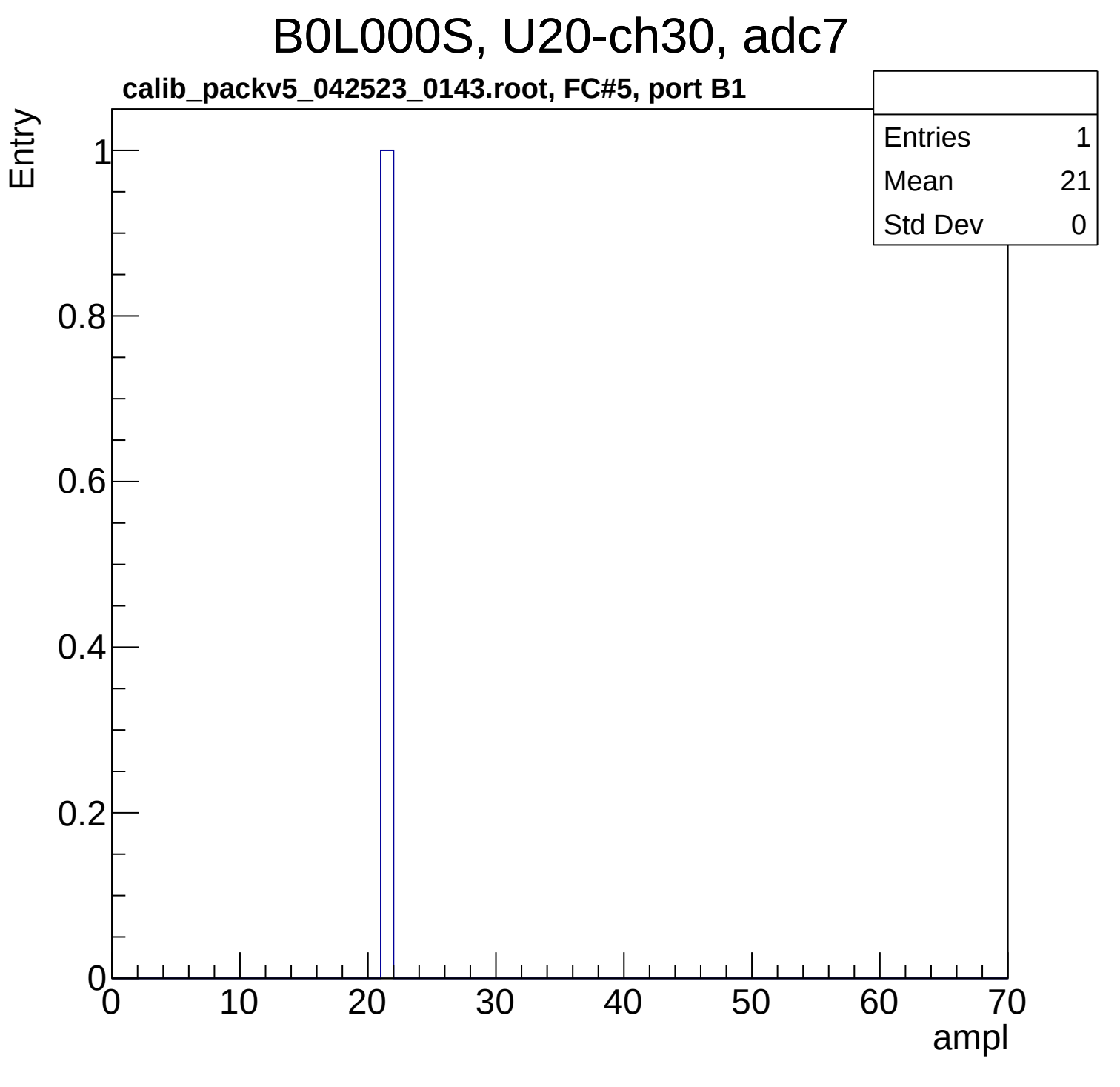

B0L000S, U20-ch30, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 62.33
Std Dev 0.9428
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch30, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 21
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
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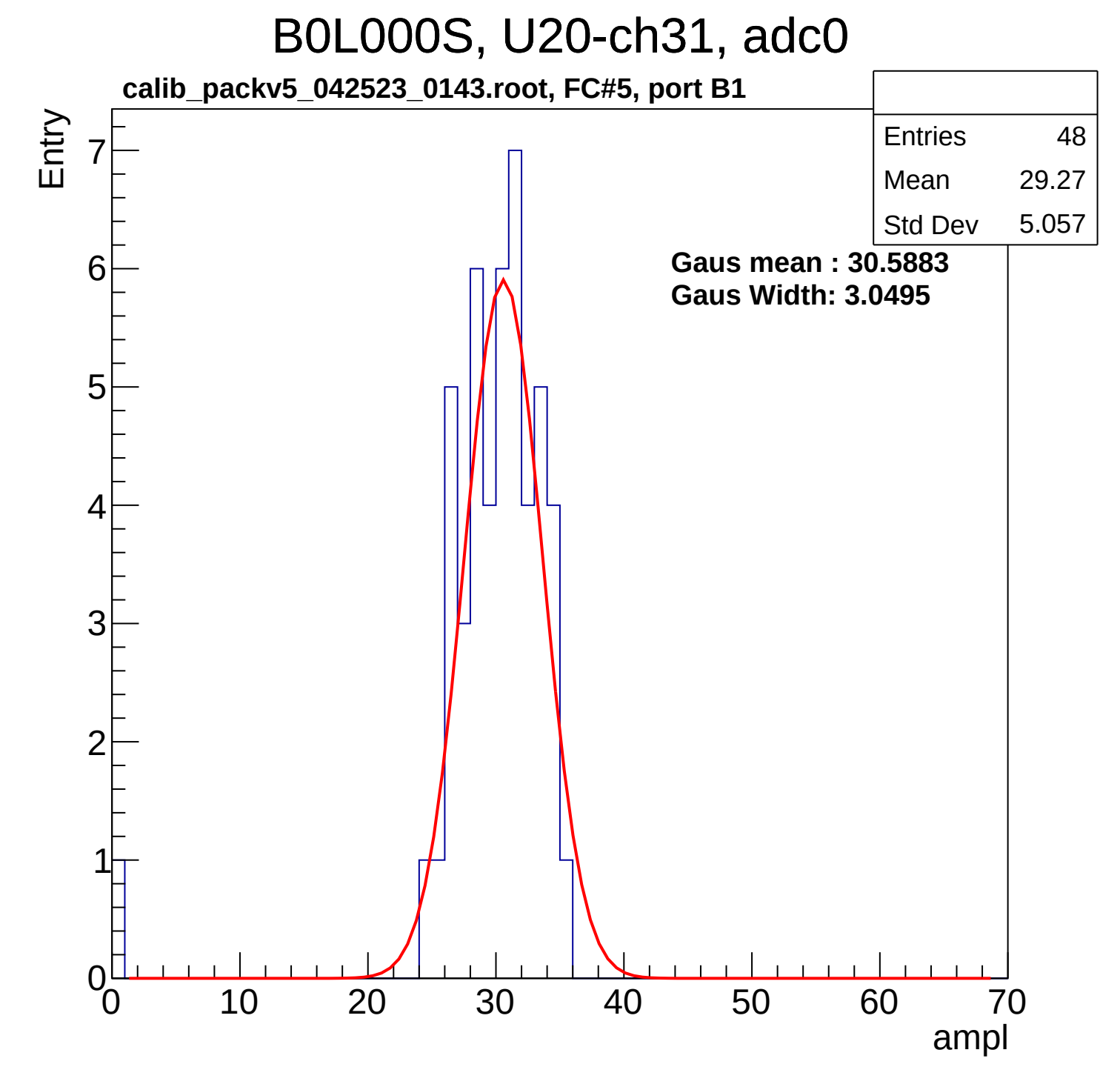
40
50
60
70
ampl


B0L000S, U20-ch31, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 29.27
Std Dev 5.057
Gaus mean : 30.5883
Gaus Width: 3.0495
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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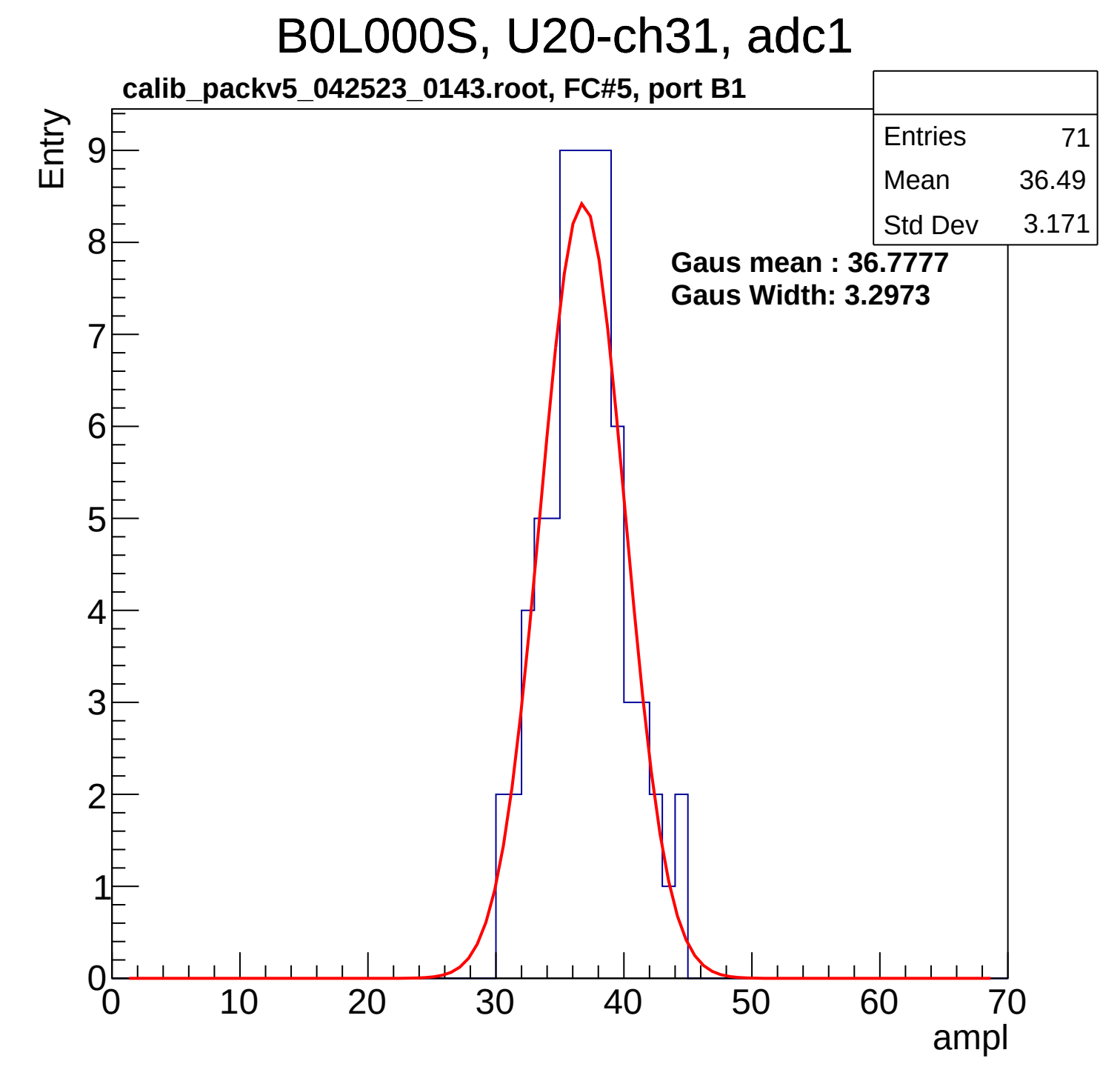
B0L000S, U20-ch31, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 36.49
Std Dev 3.171
Gaus mean : 36.7777
Gaus Width: 3.2973
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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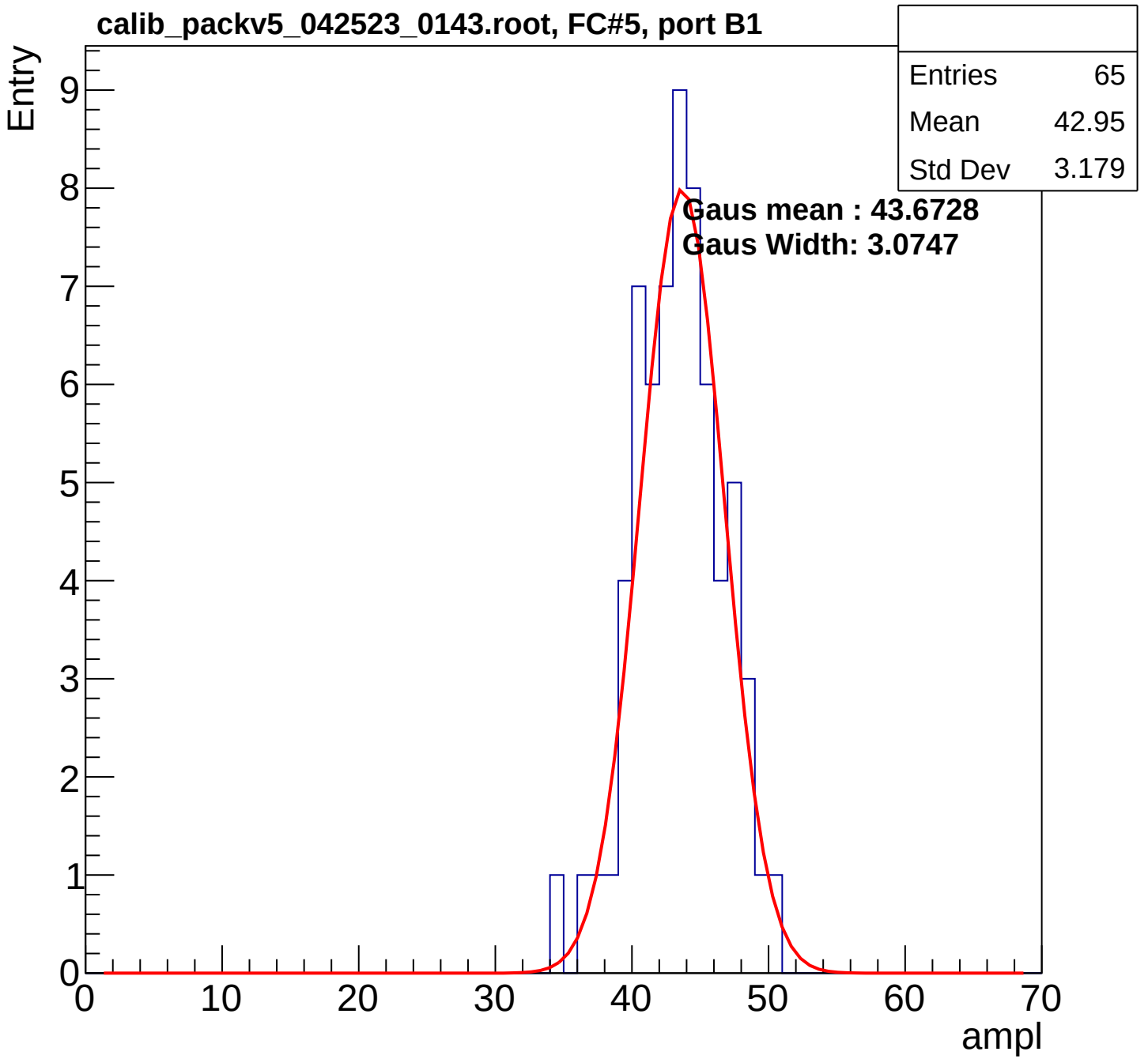
B0L000S, U20-ch31, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 42.95
Std Dev 3.179
Gaus mean : 43.6728
Gaus Width: 3.0747
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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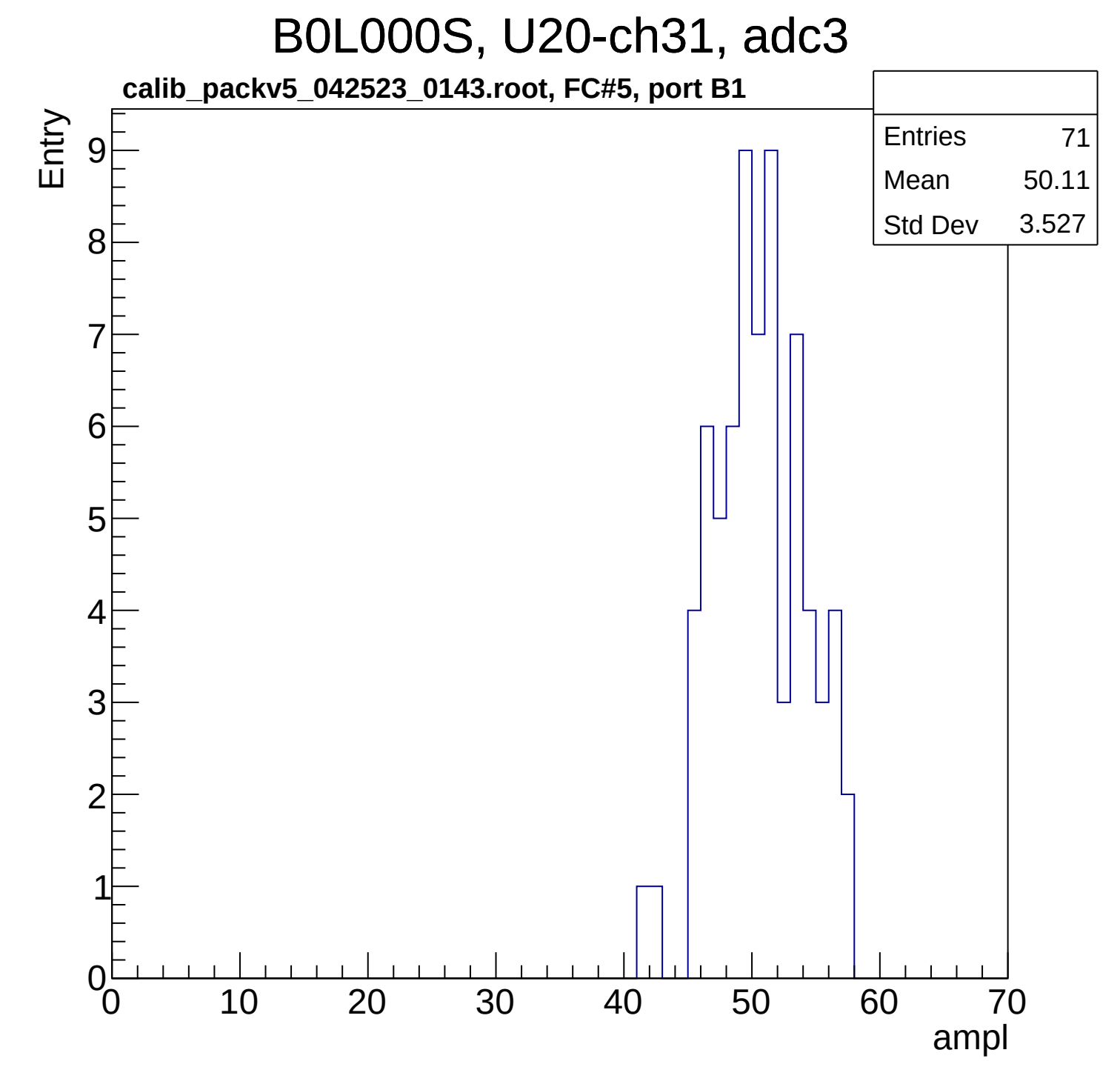
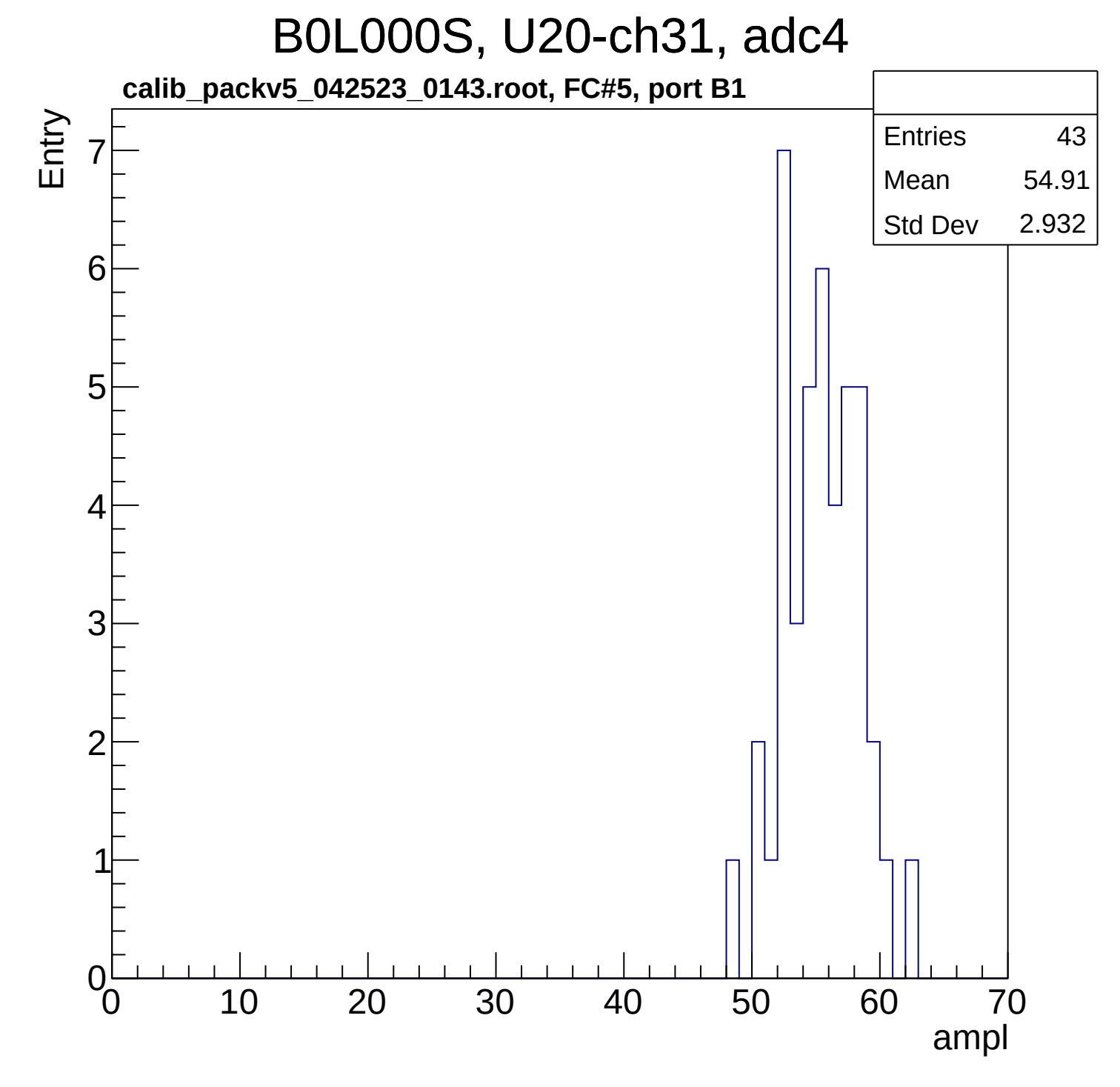
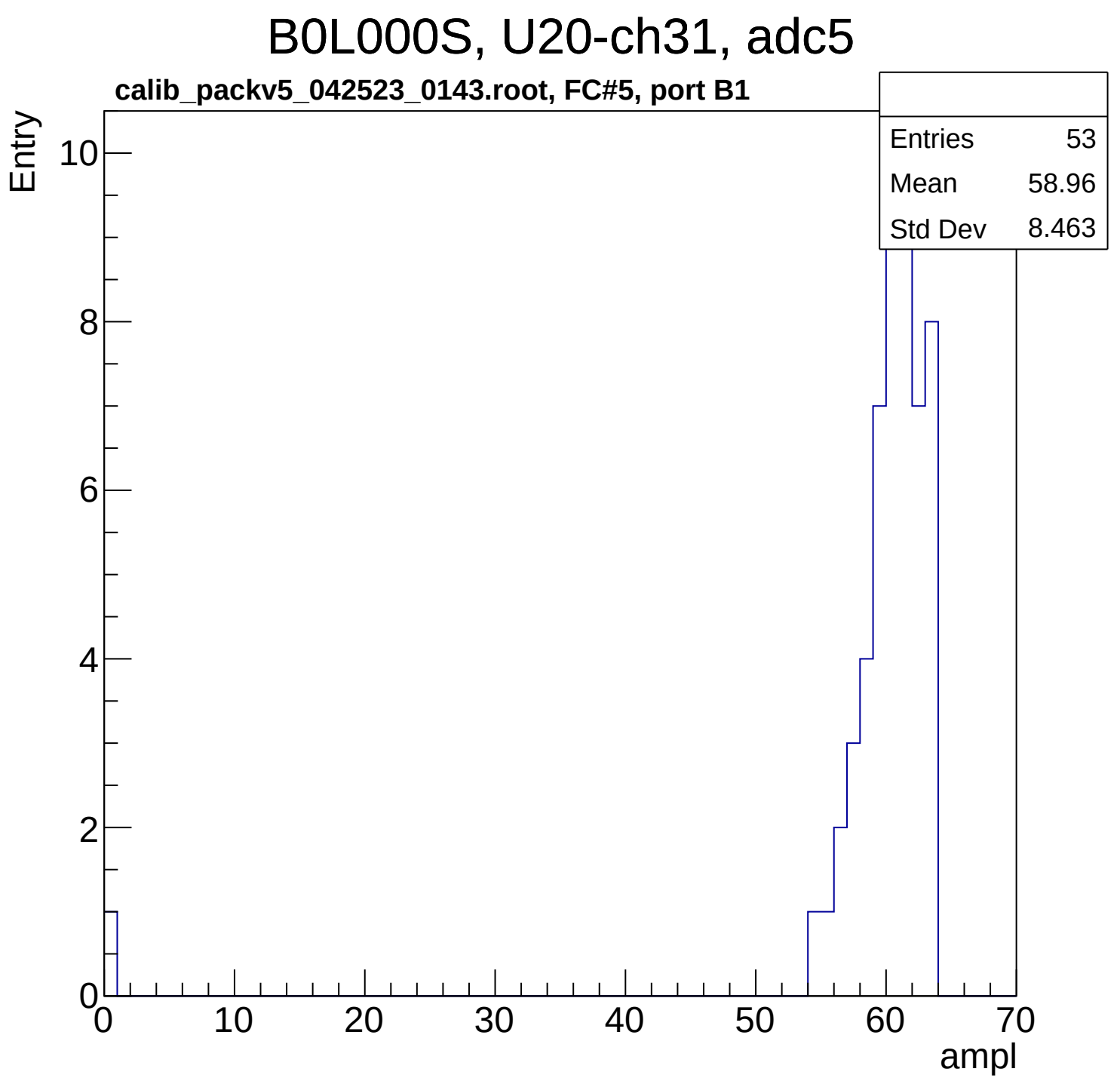

B0L000S, U20-ch31, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 50.11
Std Dev 3.527
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch31, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 54.91
Std Dev 2.932
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch31, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 58.96
Std Dev 8.463
Entry
ampl
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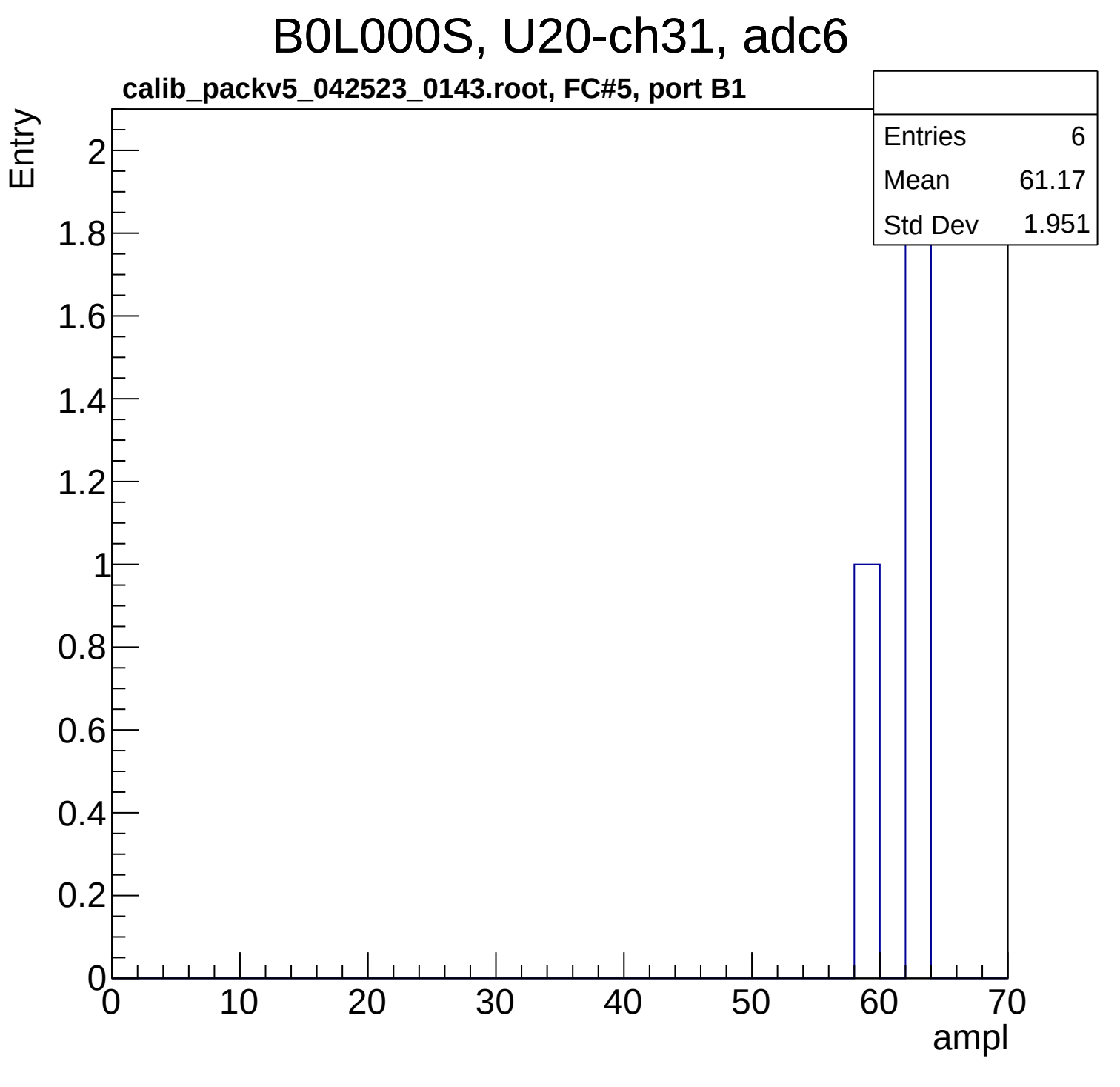
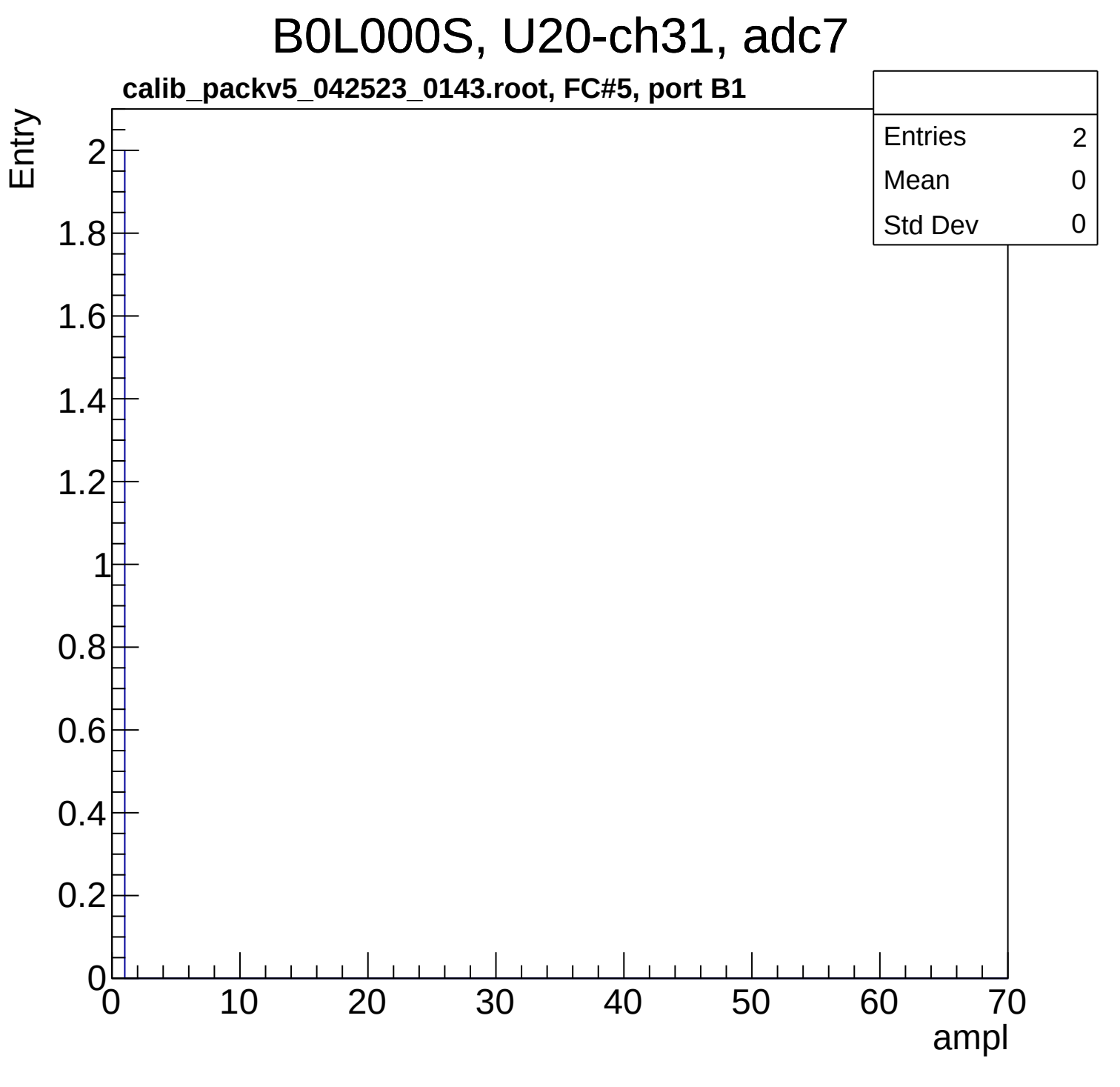
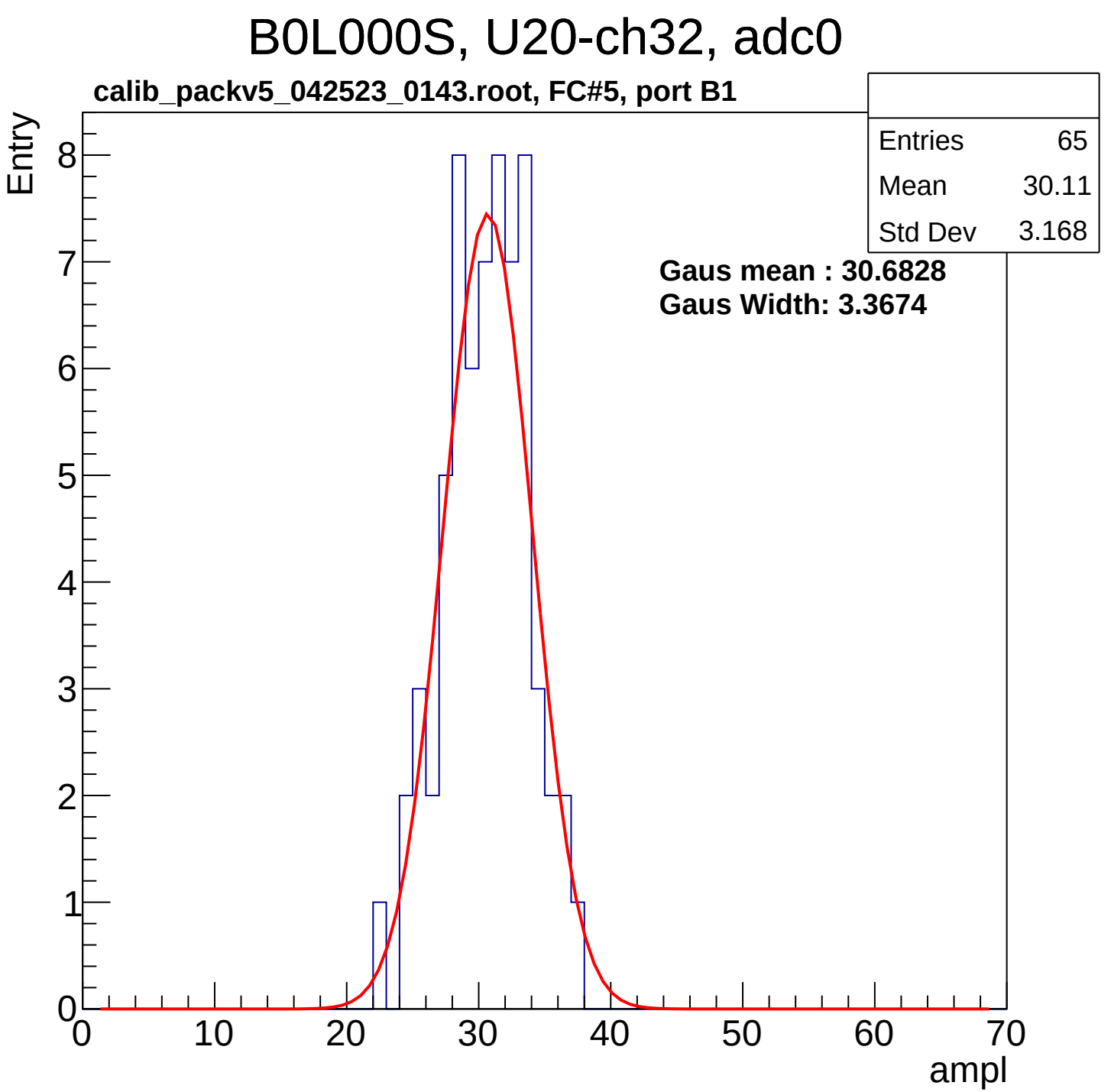
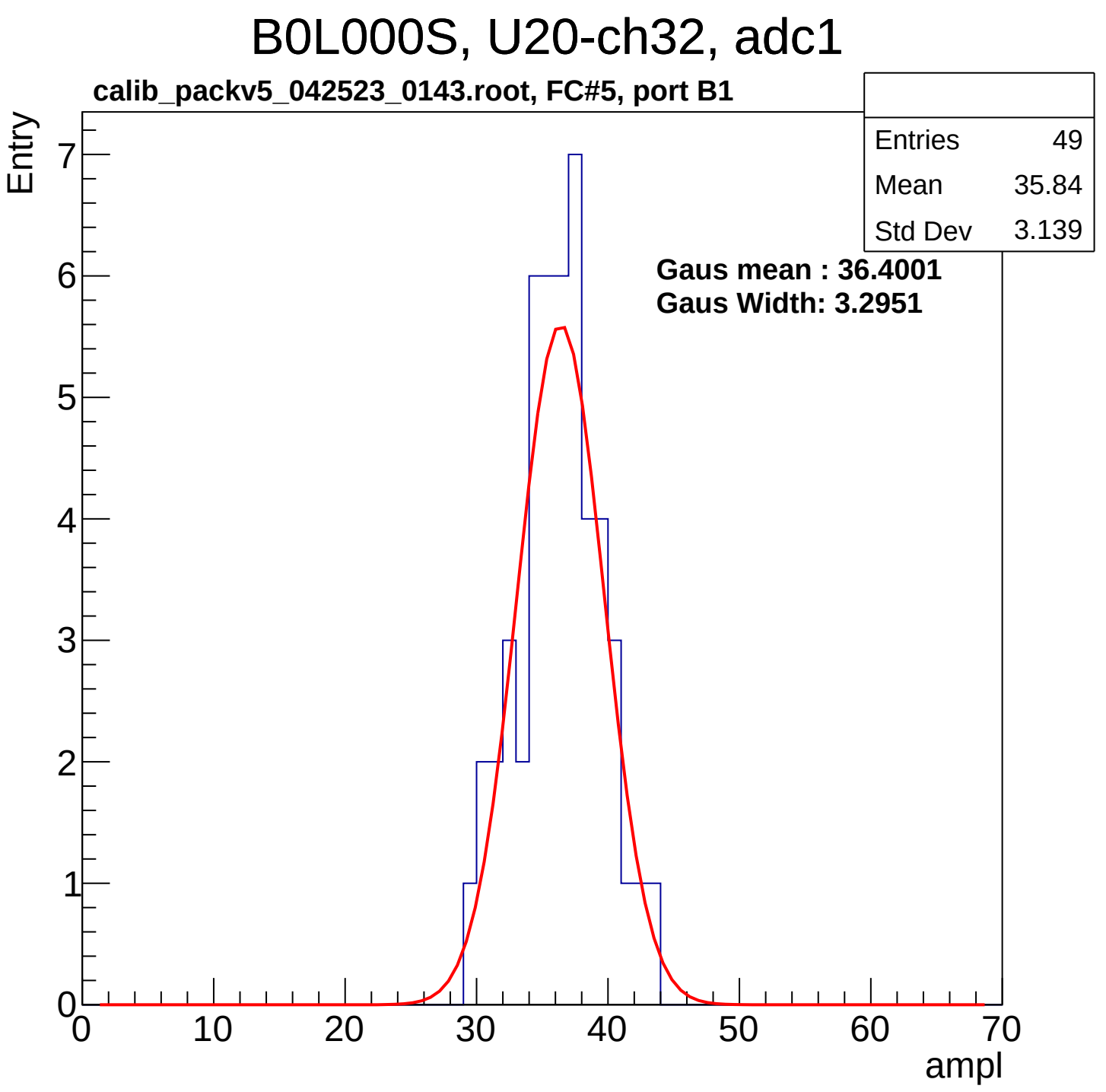
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch31, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 61.17
Std Dev 1.951
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch31, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch32, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 30.11
Std Dev 3.168
Gaus mean : 30.6828
Gaus Width: 3.3674
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch32, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 35.84
Std Dev 3.139
Gaus mean : 36.4001
Gaus Width: 3.2951
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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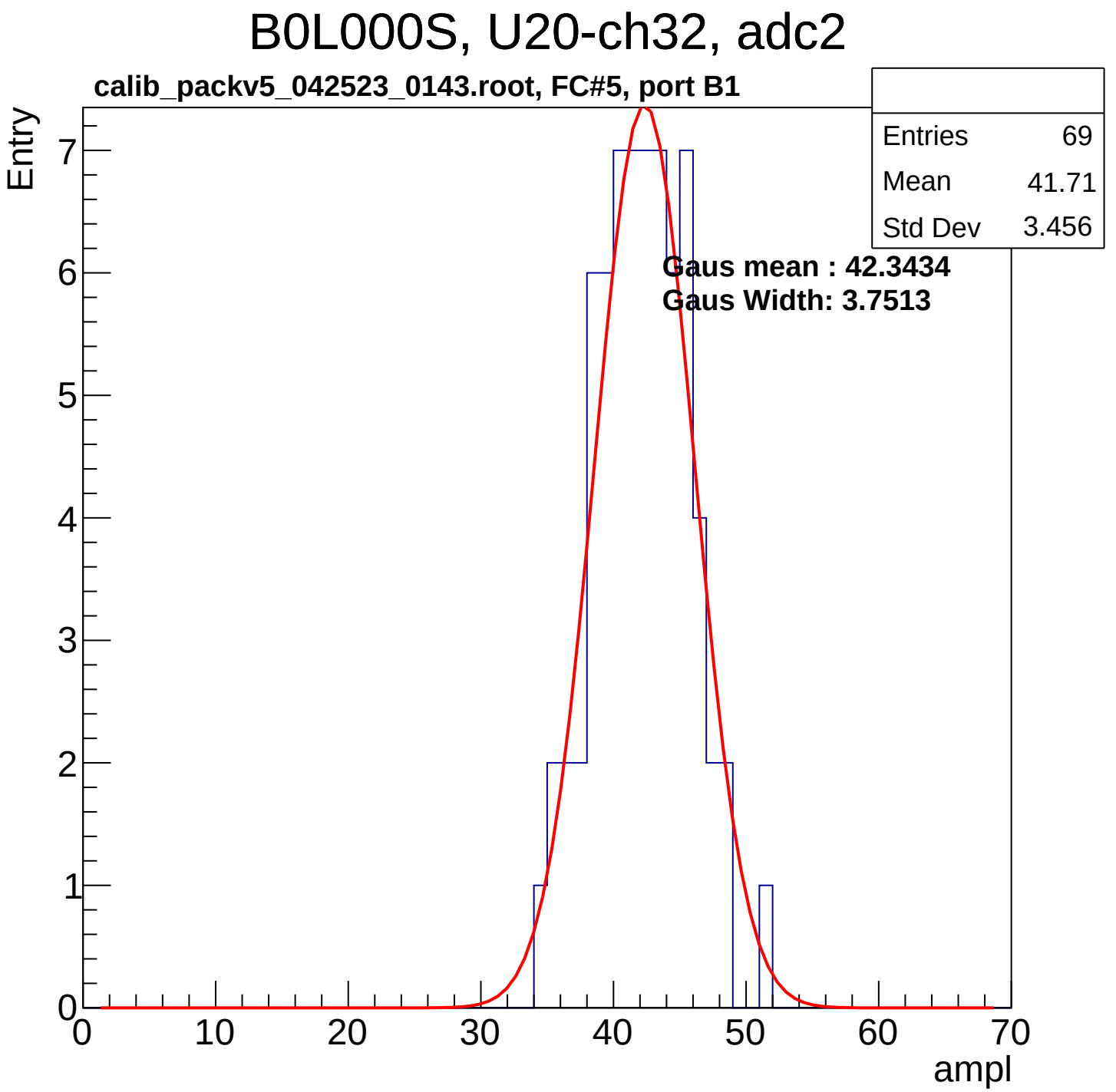
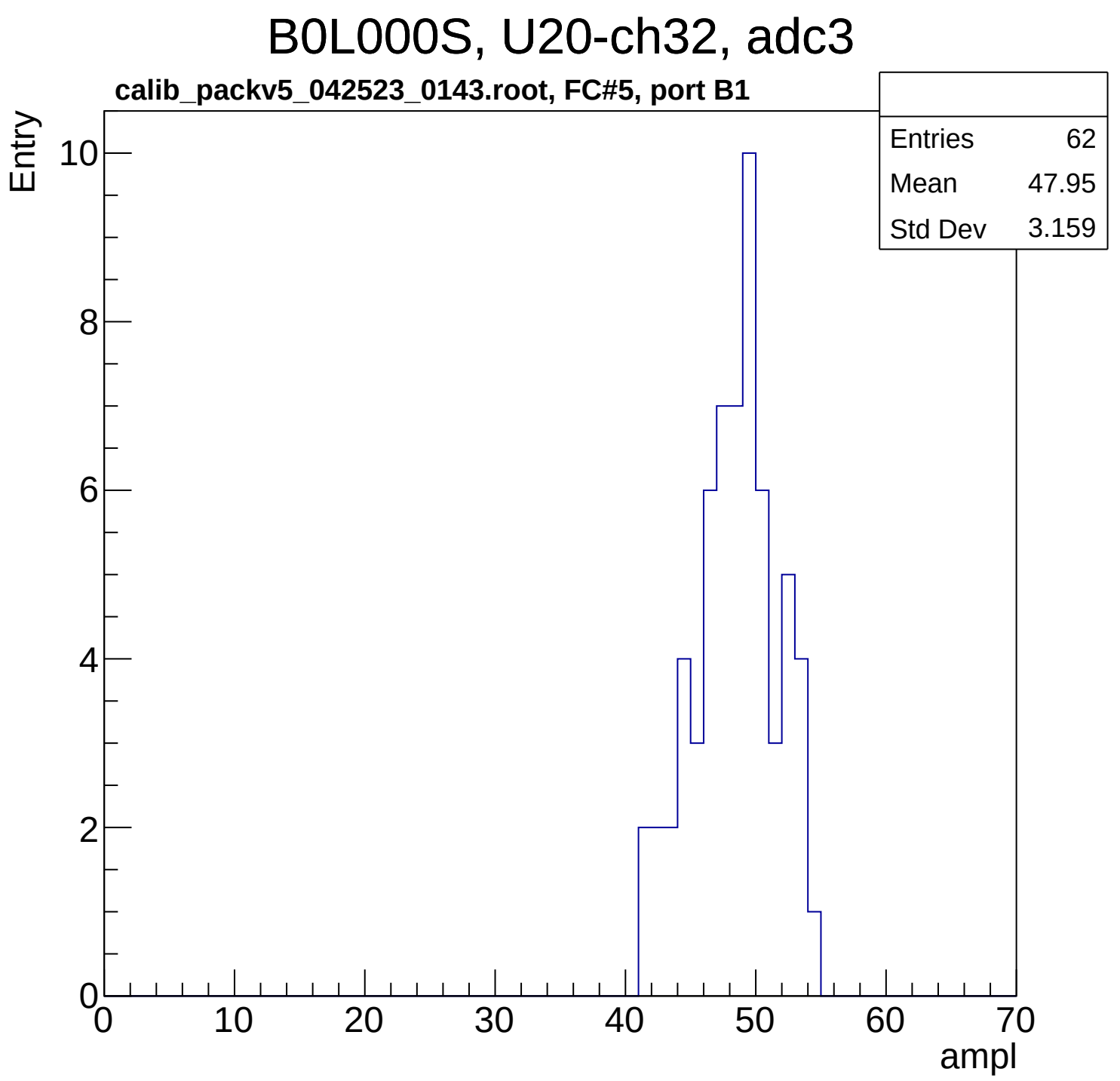
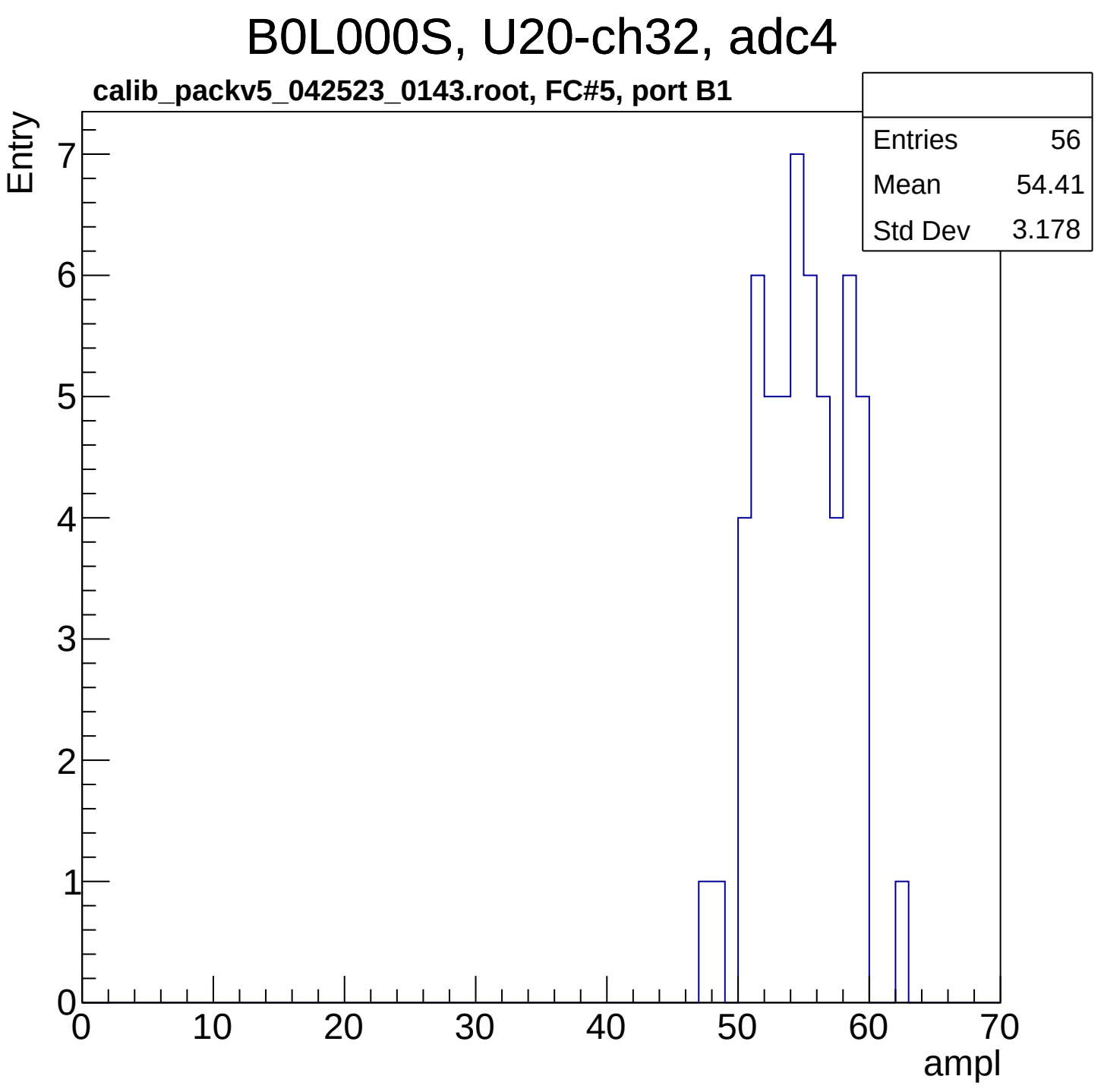
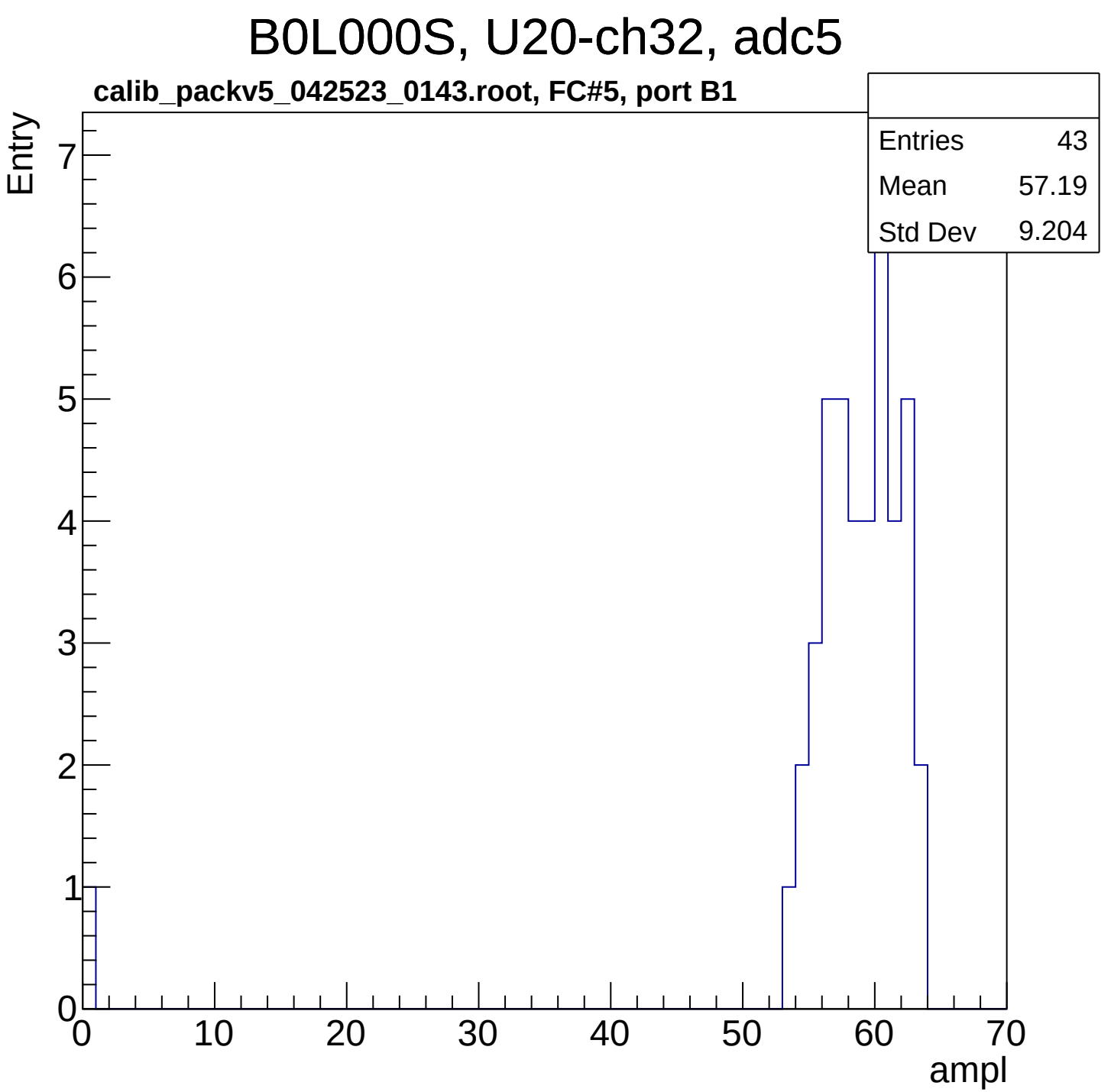
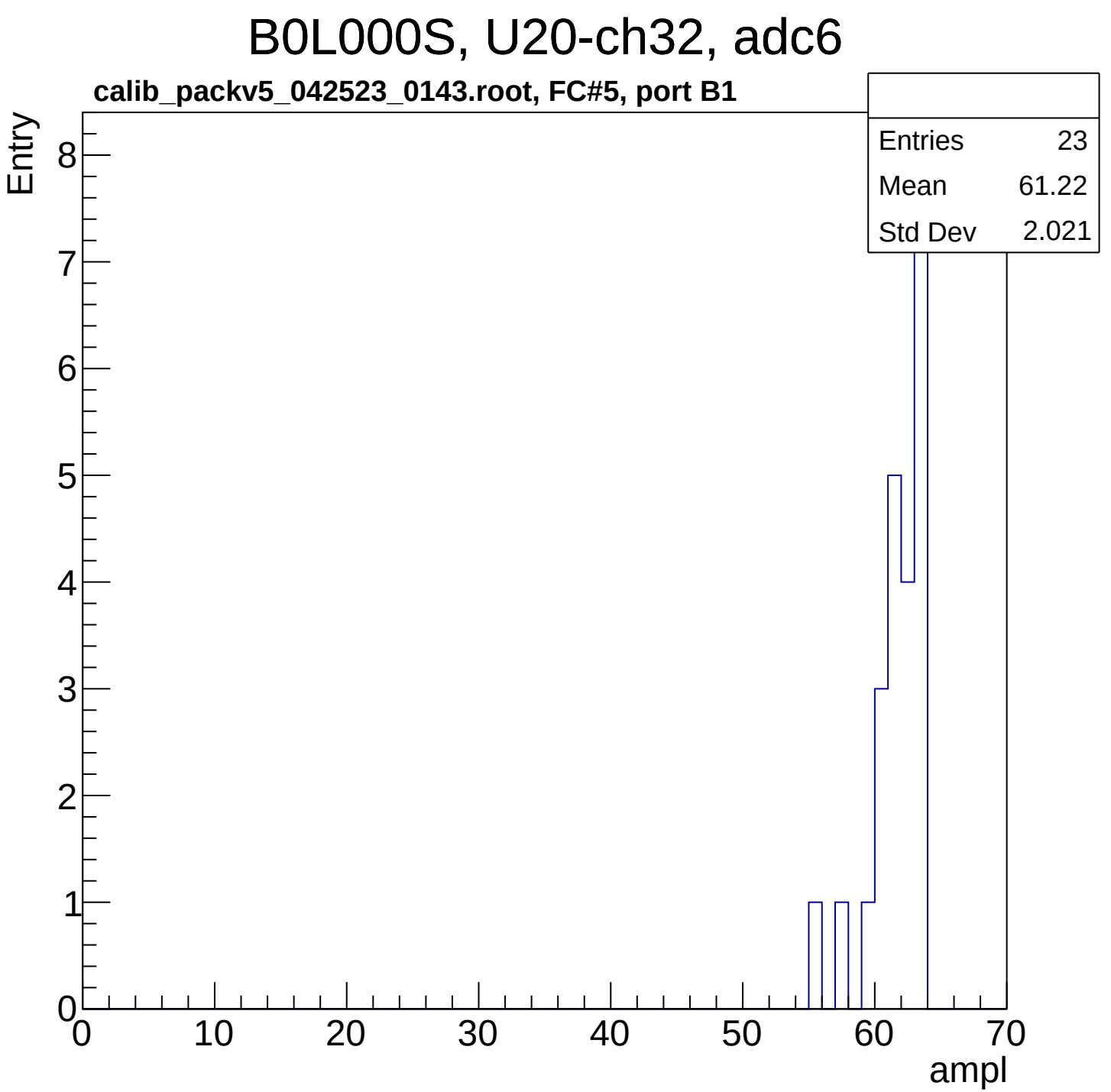

B0L000S, U20-ch32, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 41.71
Std Dev 3.456
Gaus mean : 42.3434
Gaus Width: 3.7513
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch32, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 47.95
Std Dev 3.159
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch32, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 54.41
Std Dev 3.178
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch32, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 57.19
Std Dev 9.204
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch32, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 23
Mean 61.22
Std Dev 2.021
Entry
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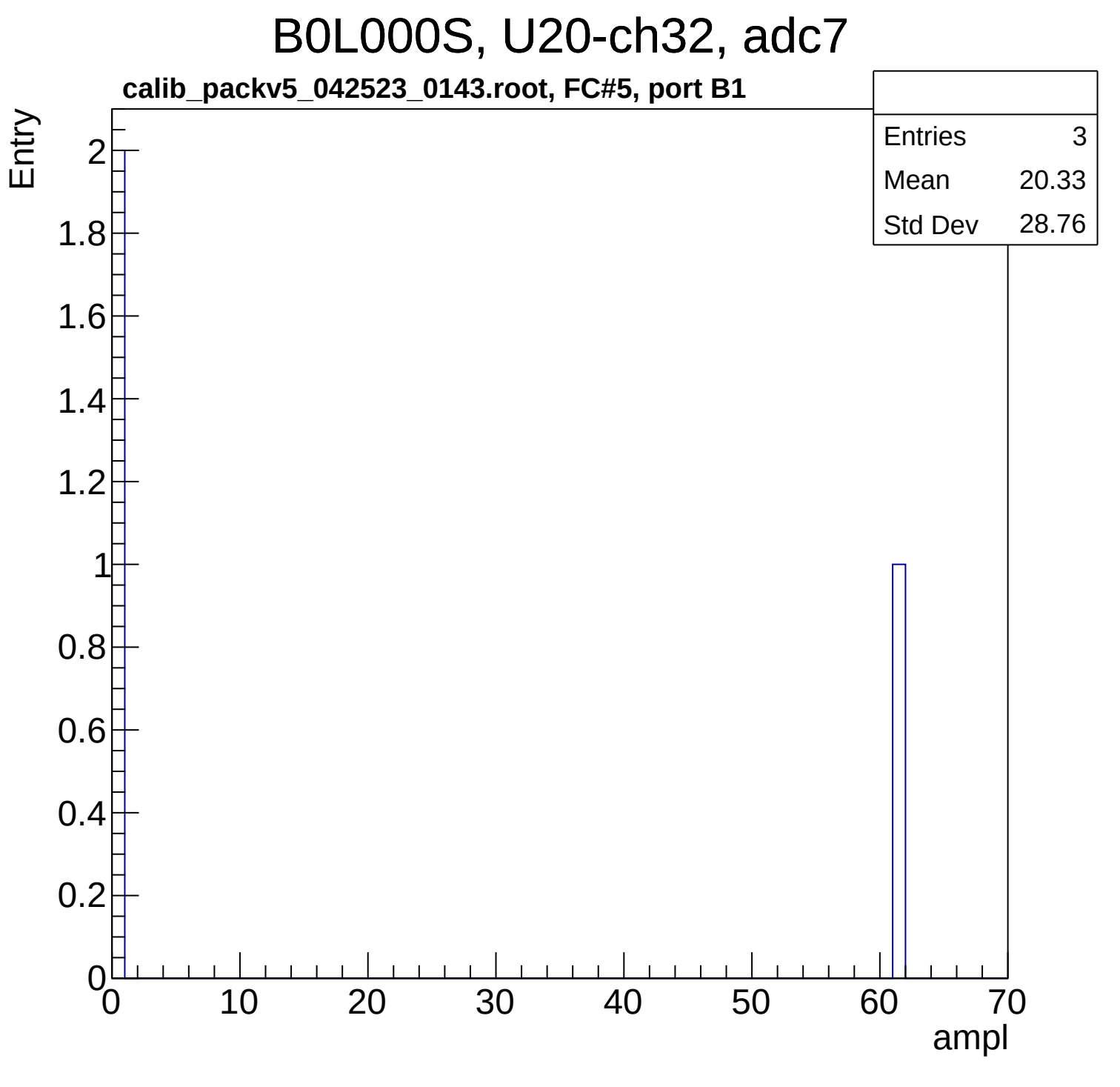
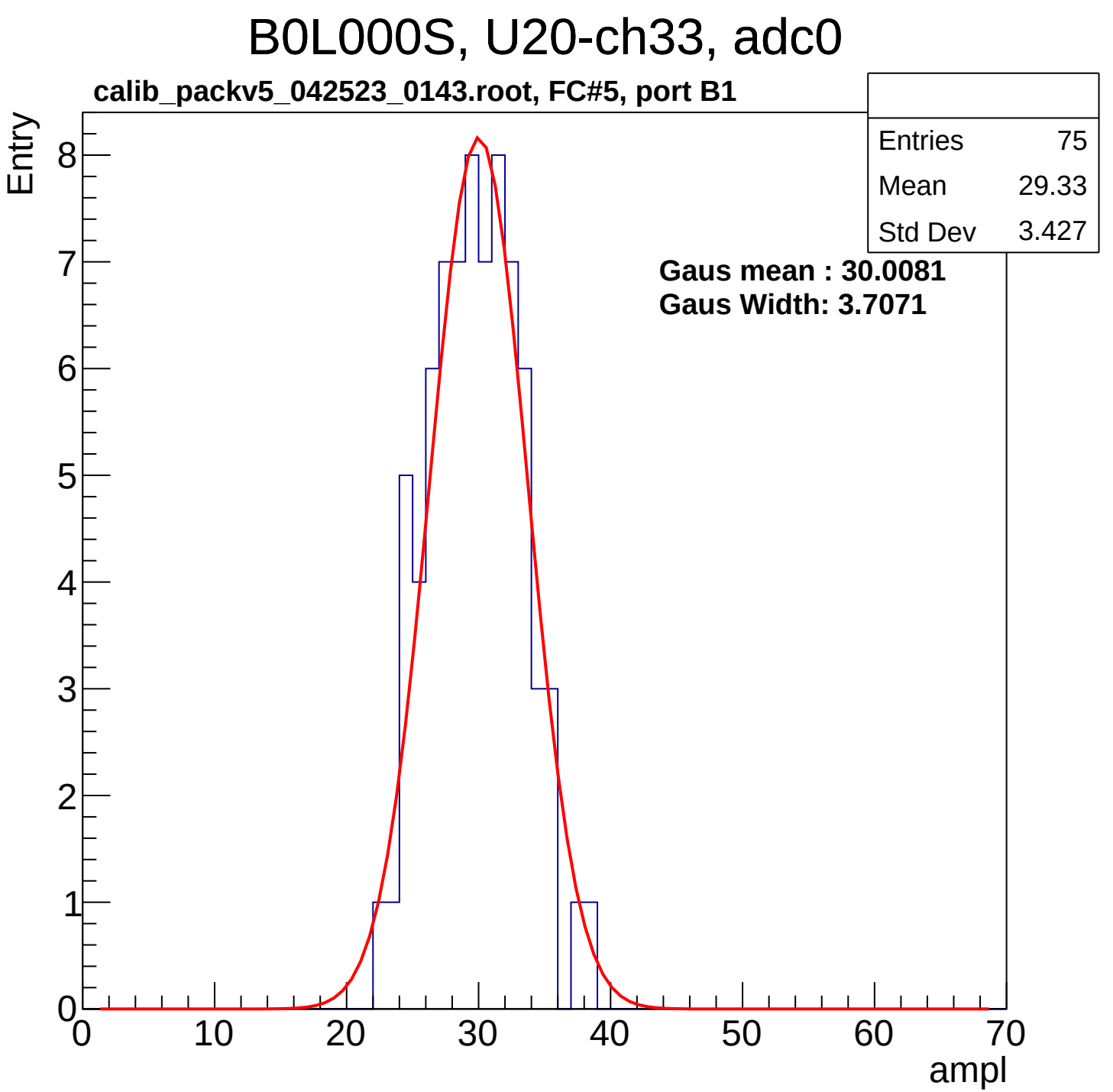
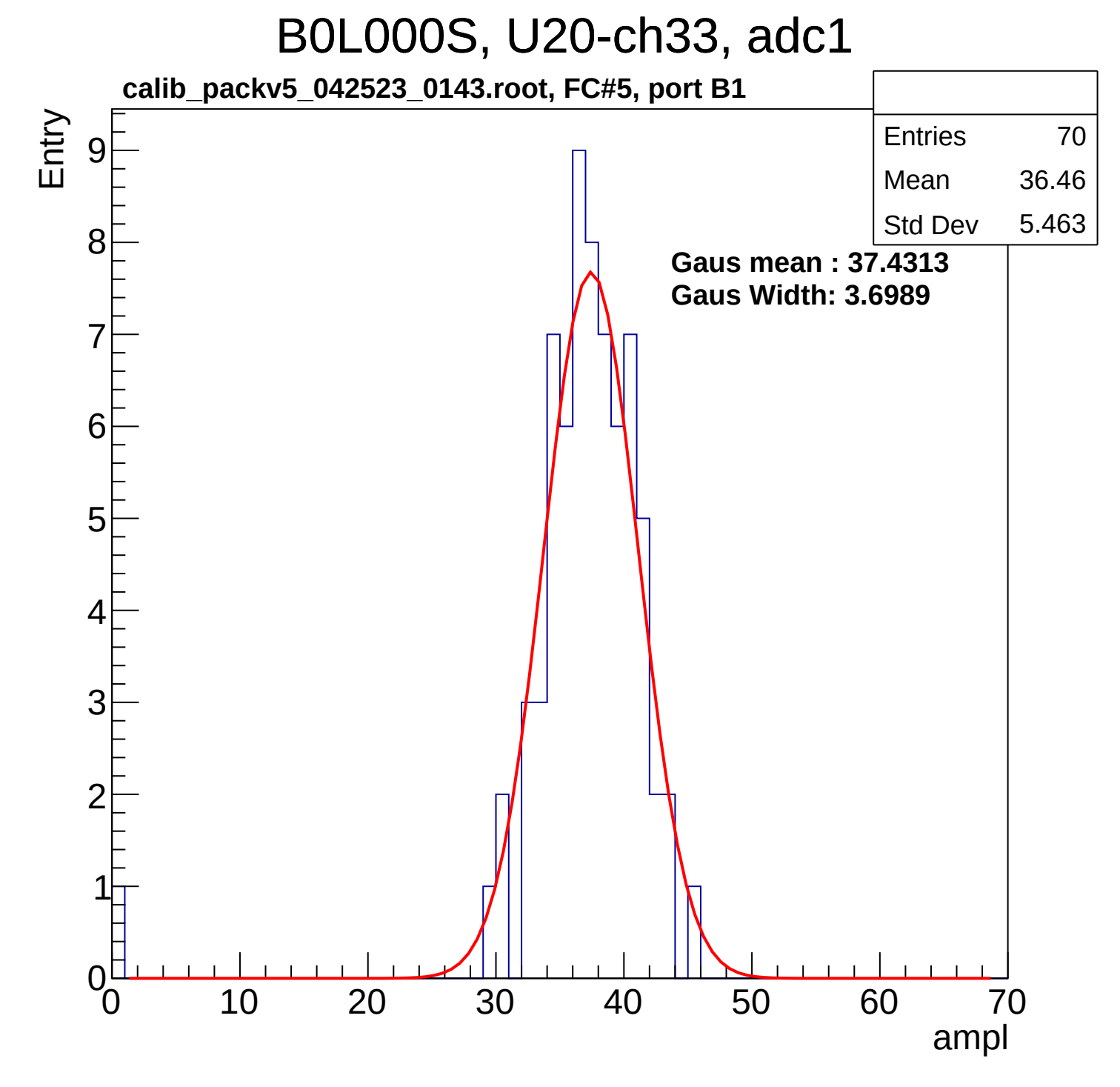
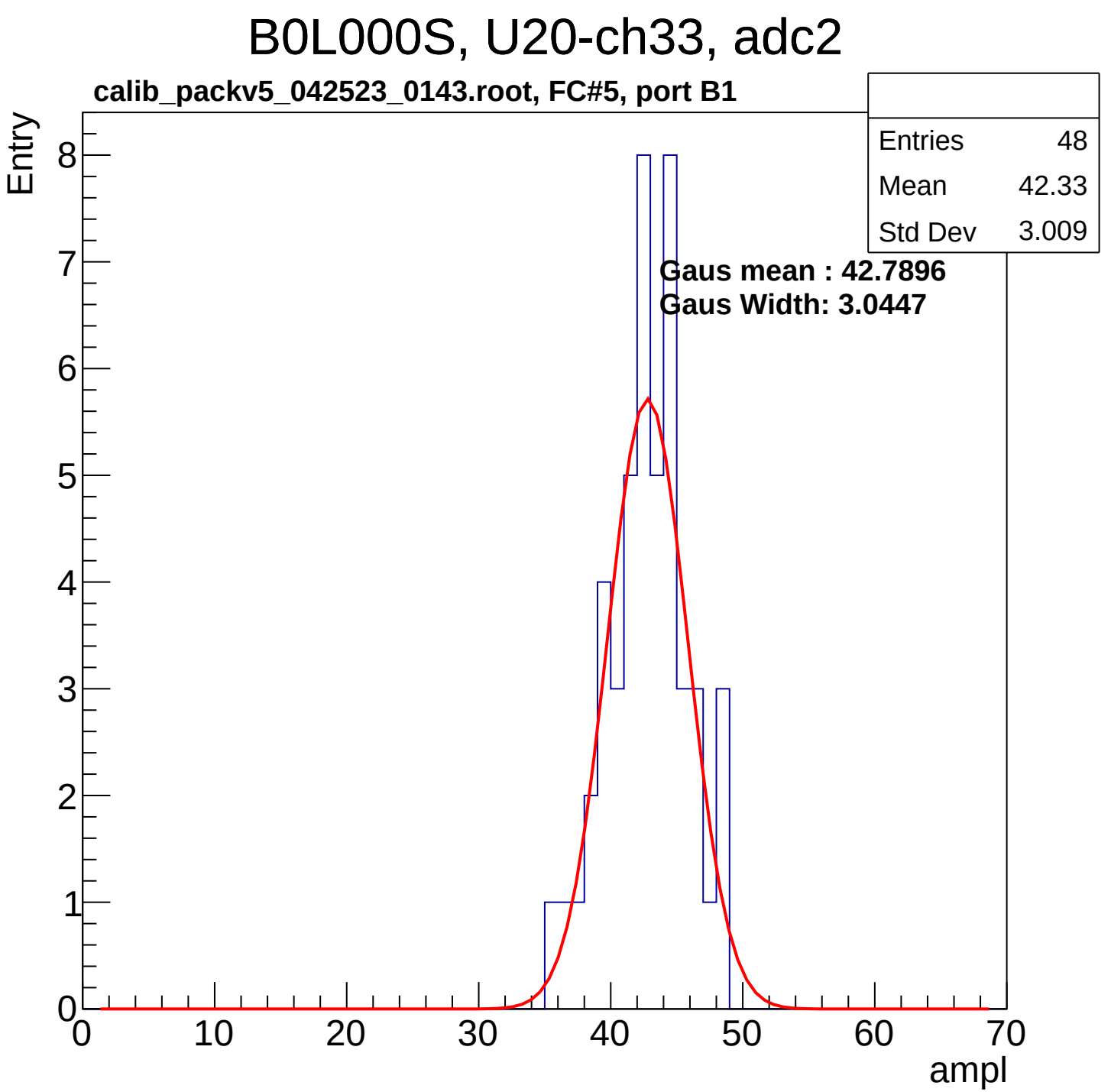
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch32, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 20.33
Std Dev 28.76
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch33, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 29.33
Std Dev 3.427
Gaus mean : 30.0081
Gaus Width: 3.7071
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch33, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 36.46
Std Dev 5.463
Gaus mean : 37.4313
Gaus Width: 3.6989
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch33, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 42.33
Std Dev 3.009
Gaus mean : 42.7896
Gaus Width: 3.0447
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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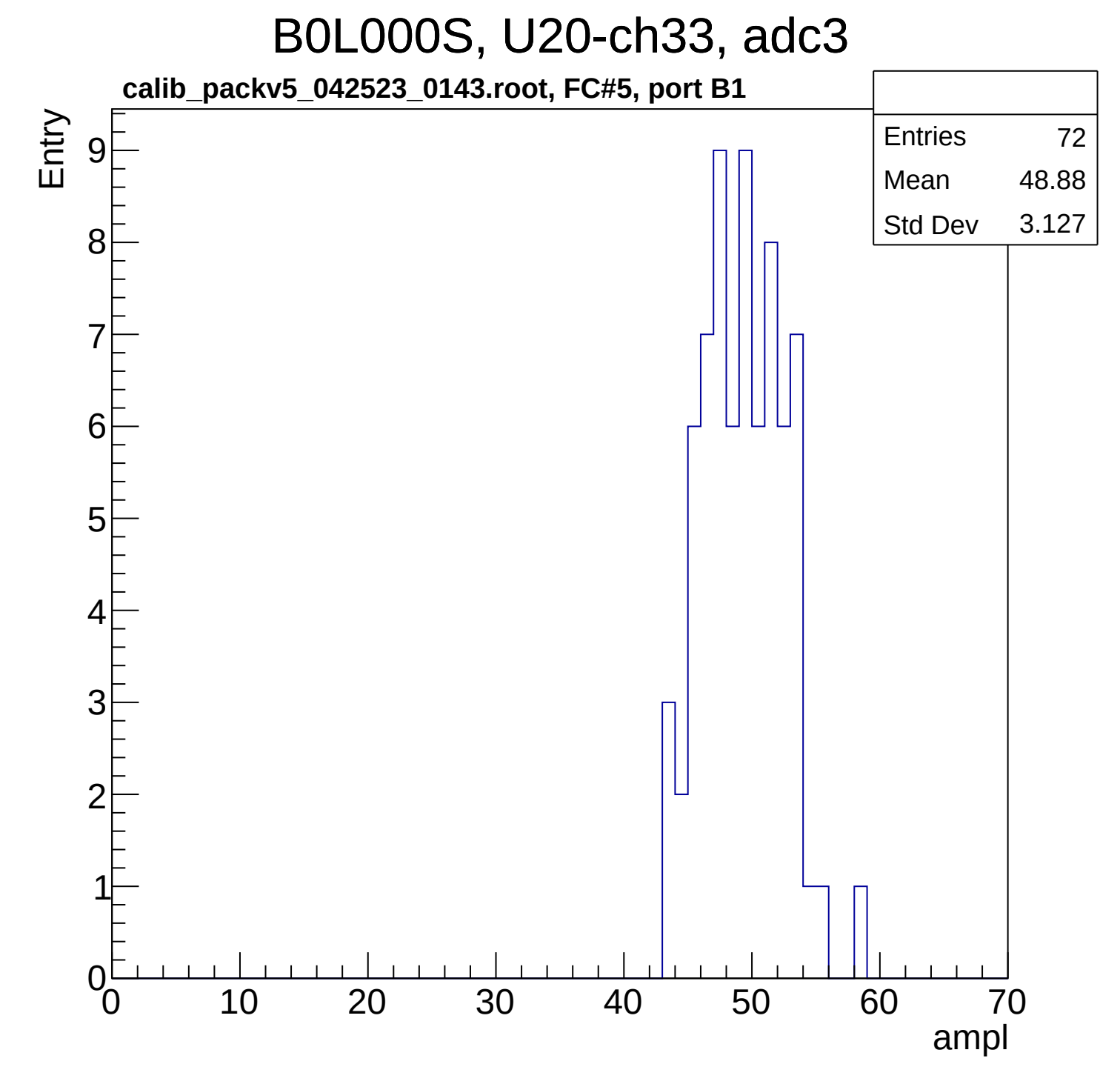
B0L000S, U20-ch33, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 48.88
Std Dev 3.127
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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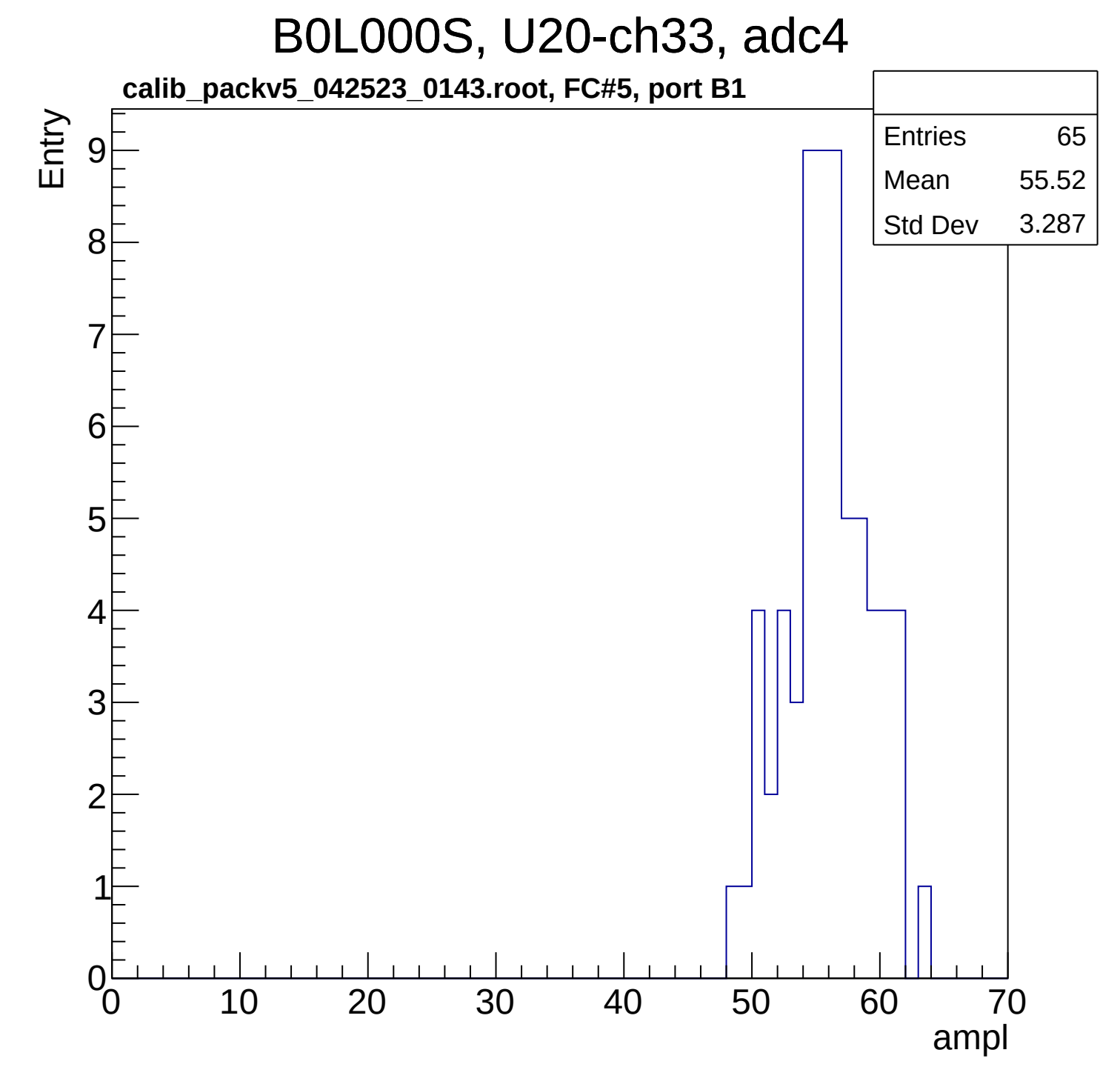
40
50
60
70


B0L000S, U20-ch33, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 55.52
Std Dev 3.287
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
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40
50
60
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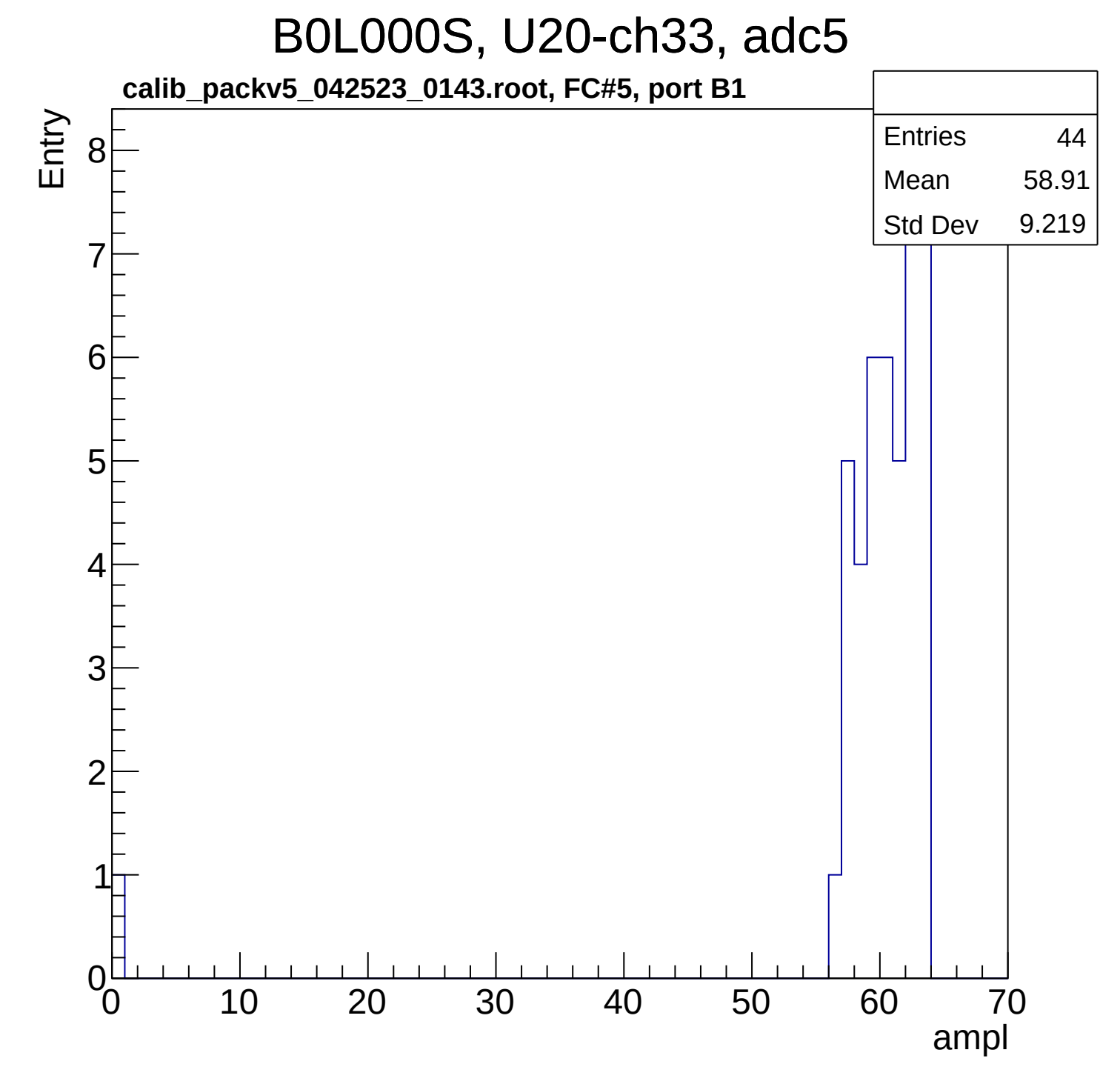
B0L000S, U20-ch33, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 58.91
Std Dev 9.219
Entry
ampl
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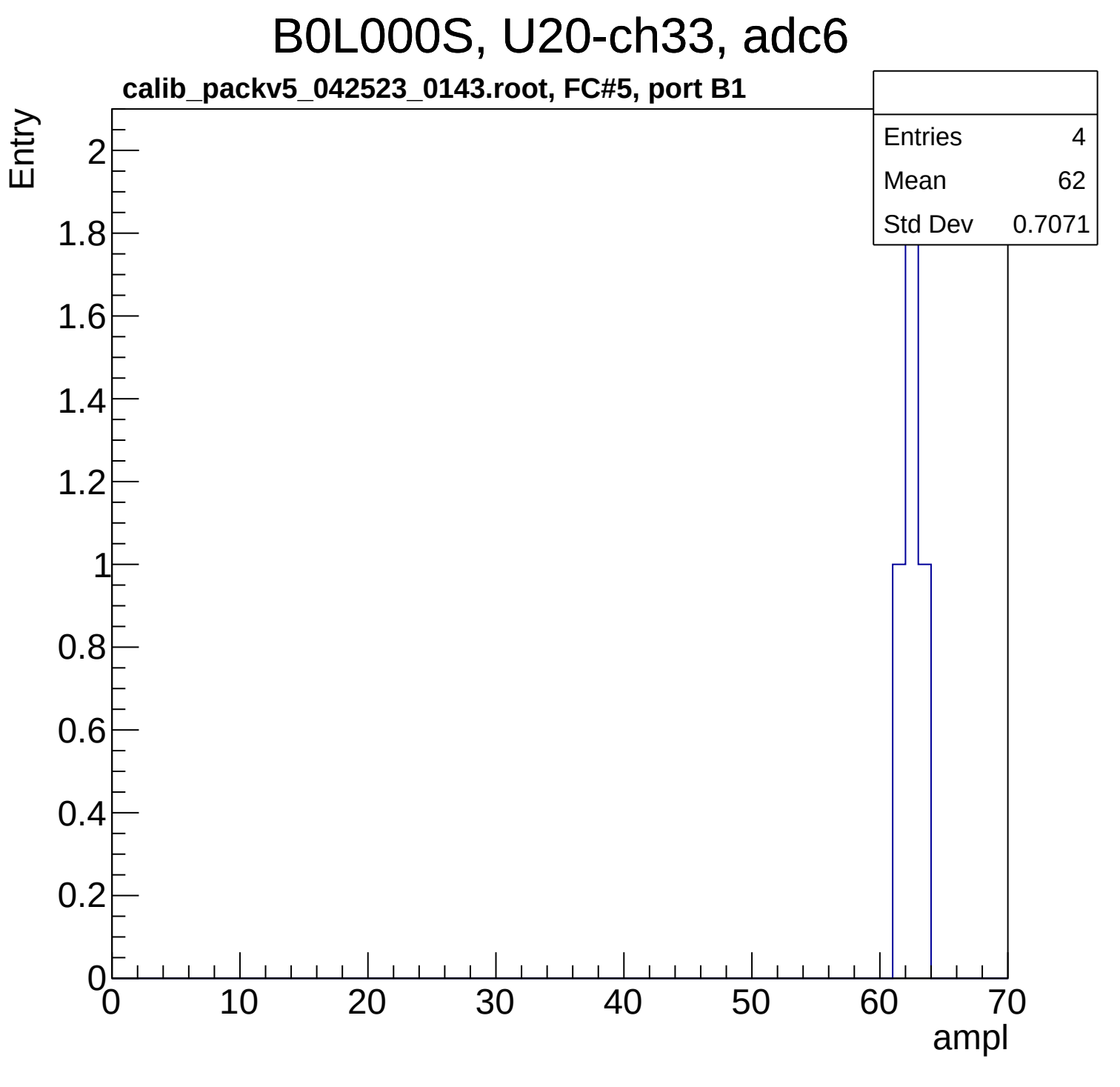
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch33, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62
Std Dev 0.7071
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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20
30
40
50
60
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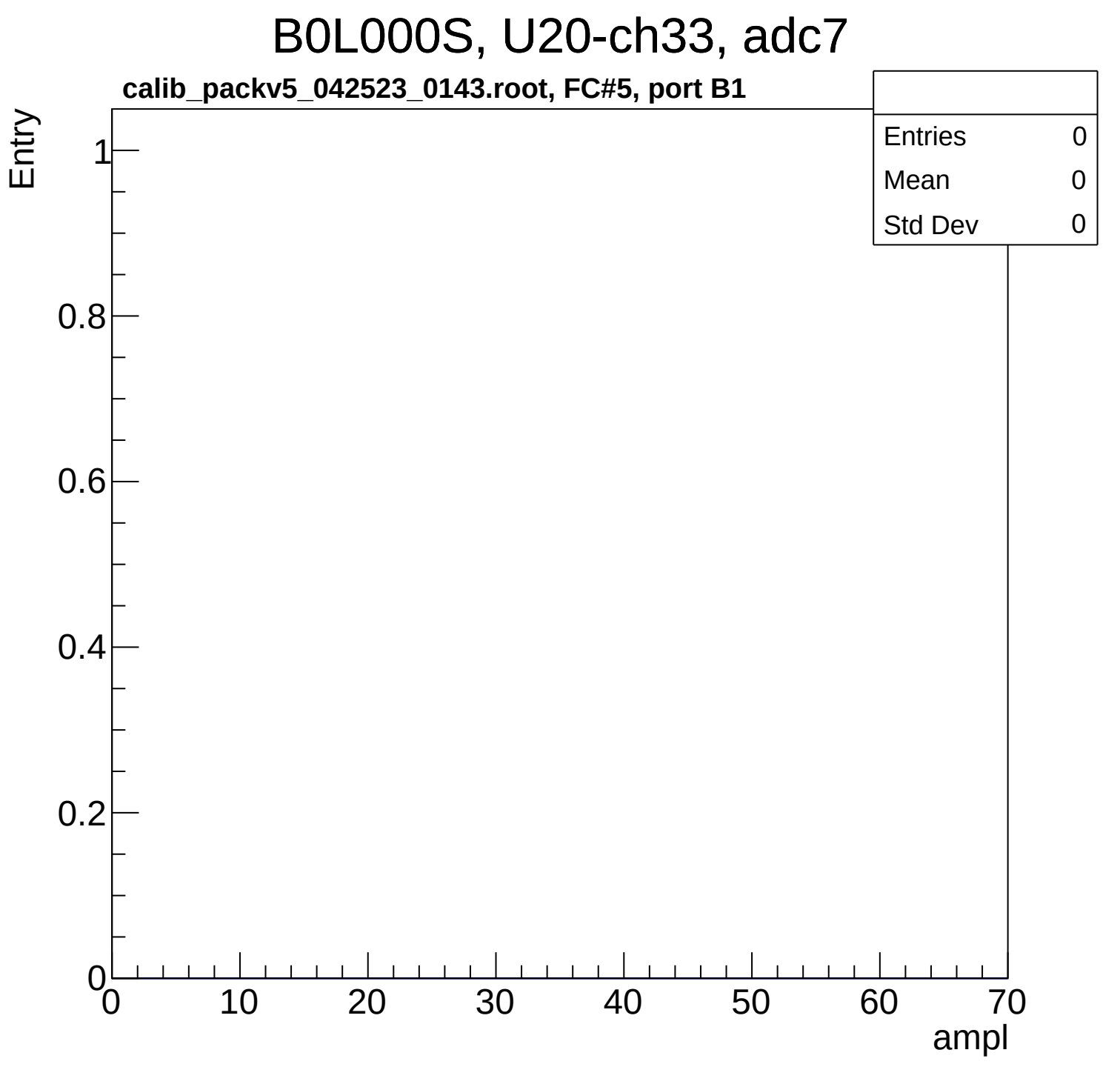
B0L000S, U20-ch33, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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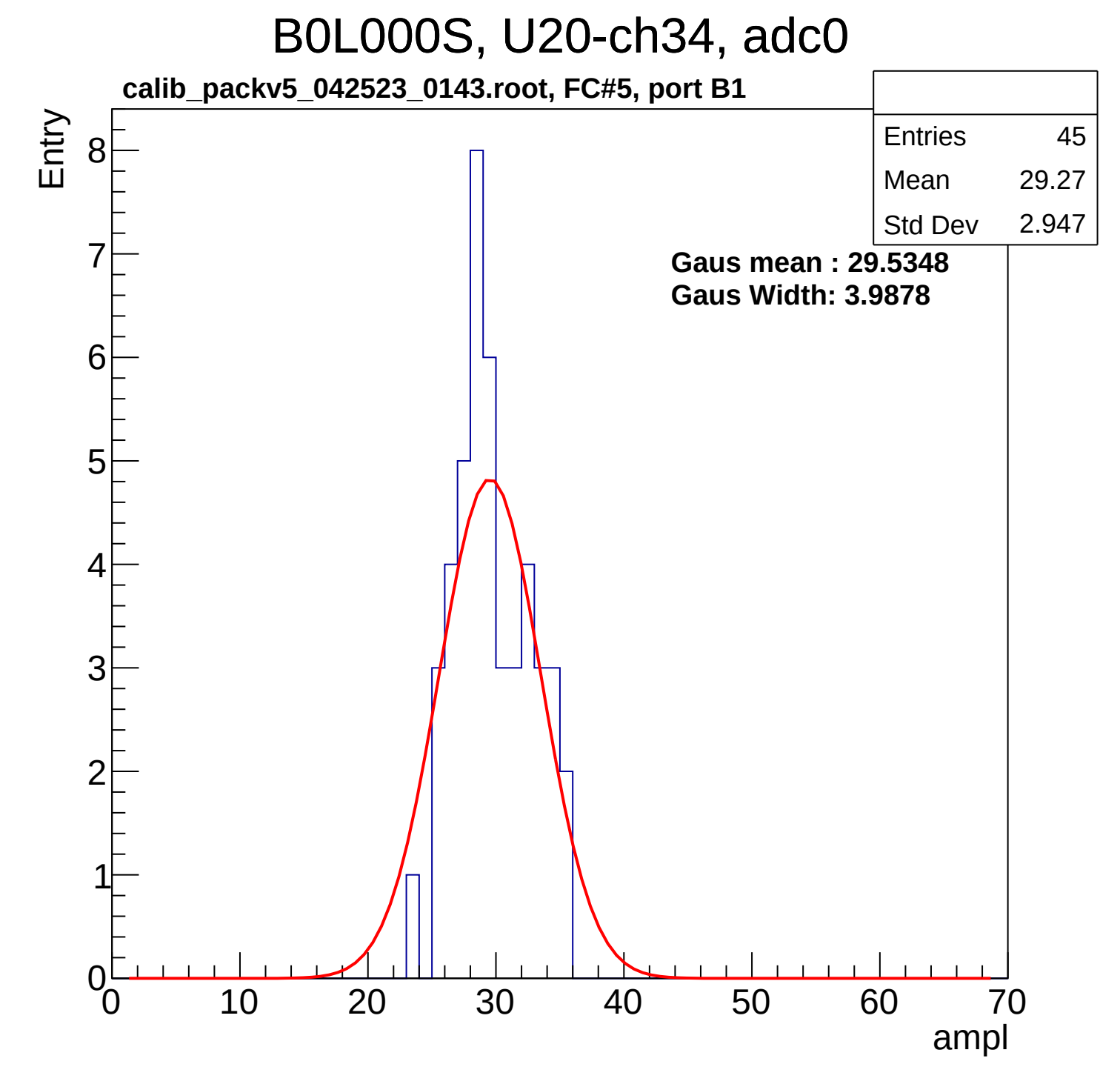
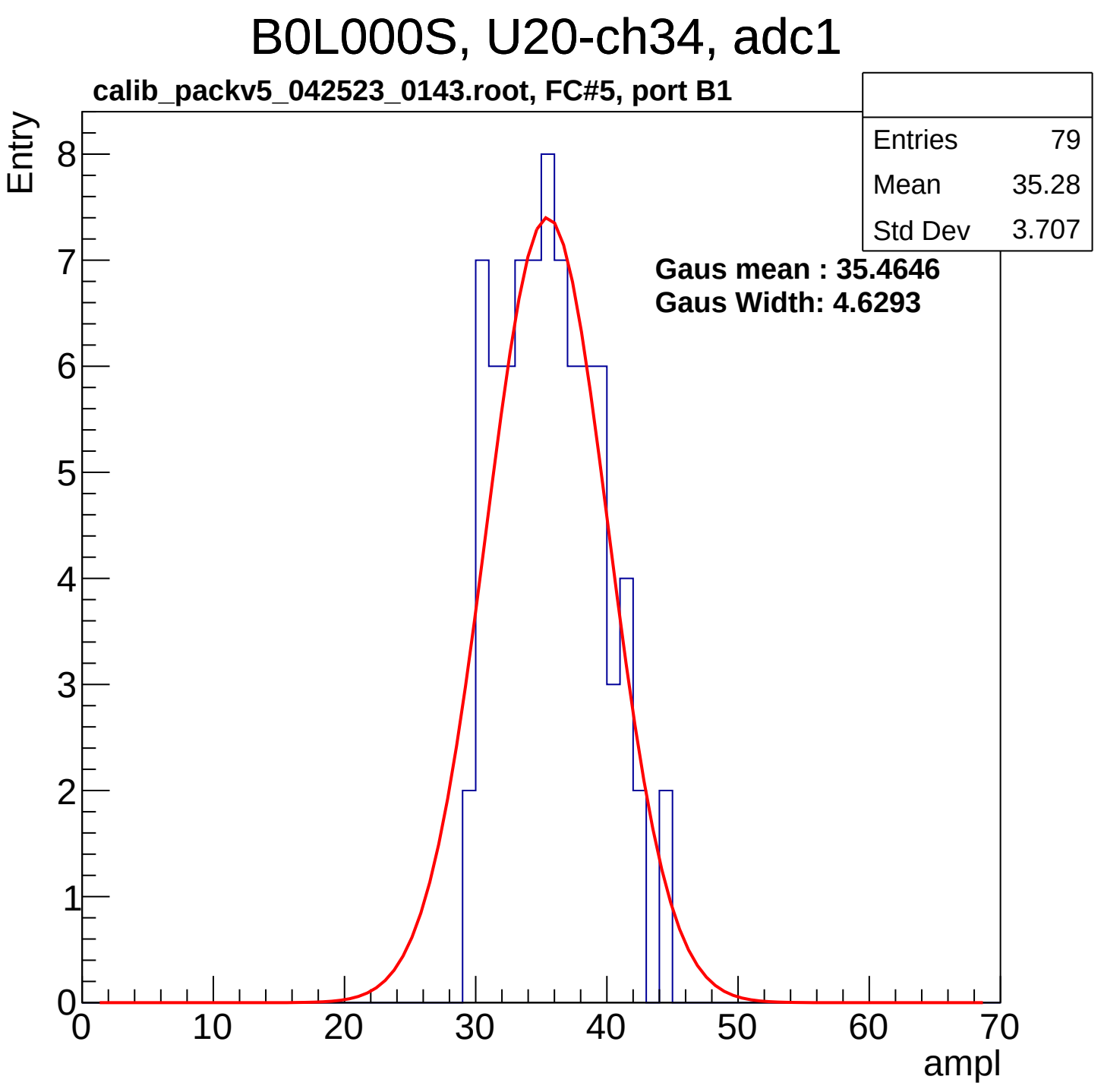
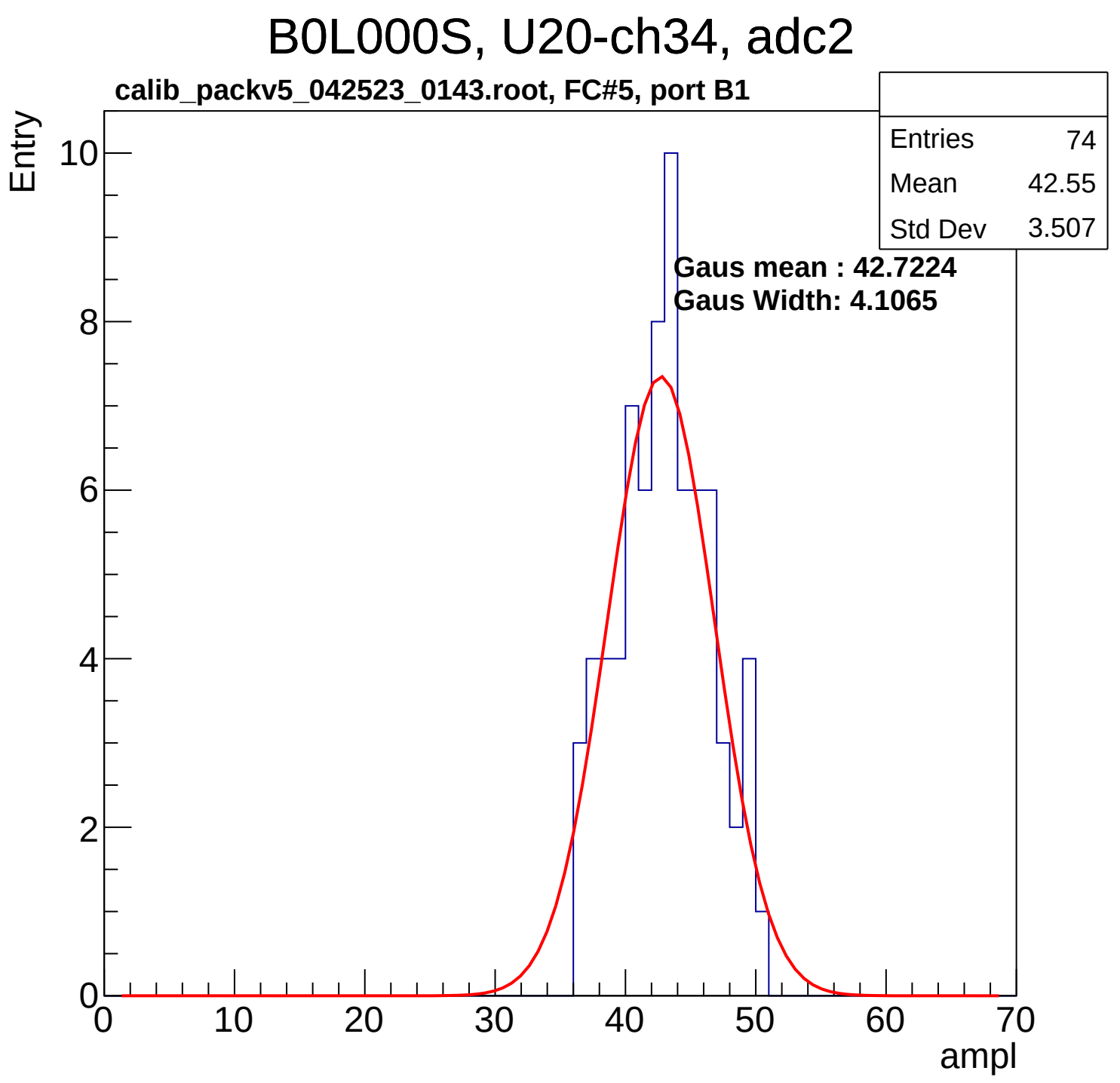
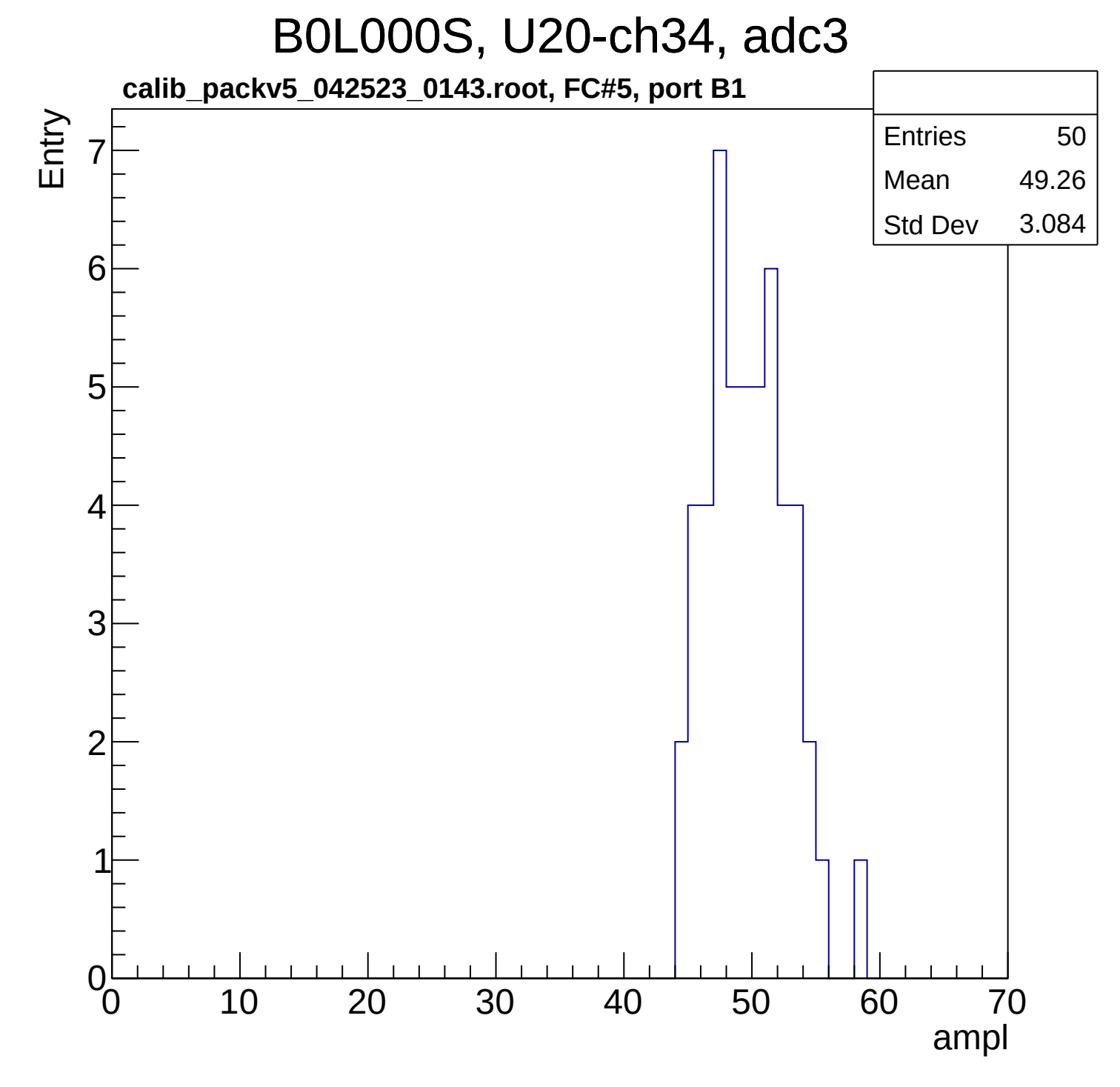
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch34, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 29.27
Std Dev 2.947
Gaus mean : 29.5348
Gaus Width: 3.9878
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch34, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 35.28
Std Dev 3.707
Gaus mean : 35.4646
Gaus Width: 4.6293
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch34, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 42.55
Std Dev 3.507
Gaus mean : 42.7224
Gaus Width: 4.1065
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch34, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 49.26
Std Dev 3.084
Entry
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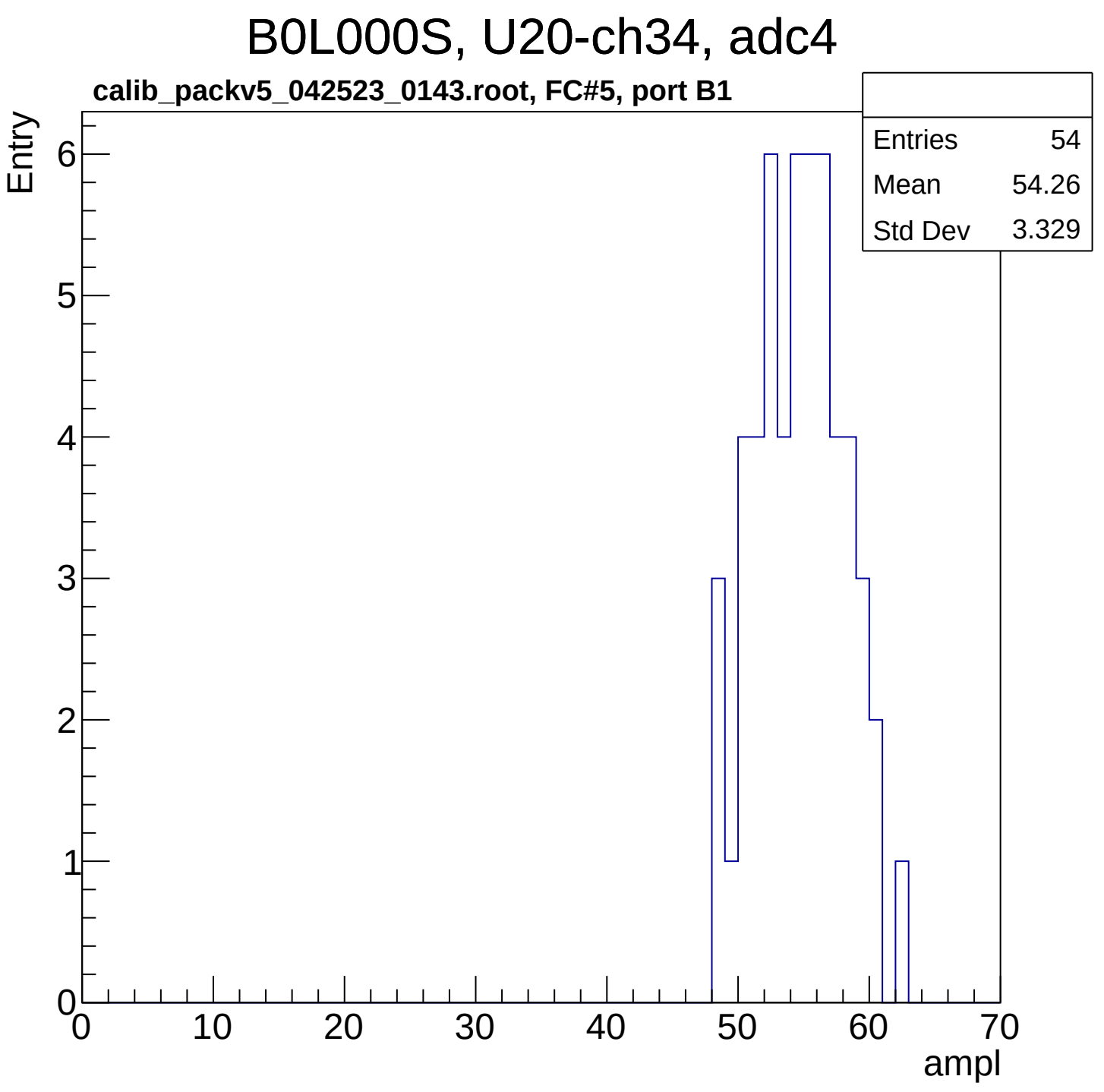
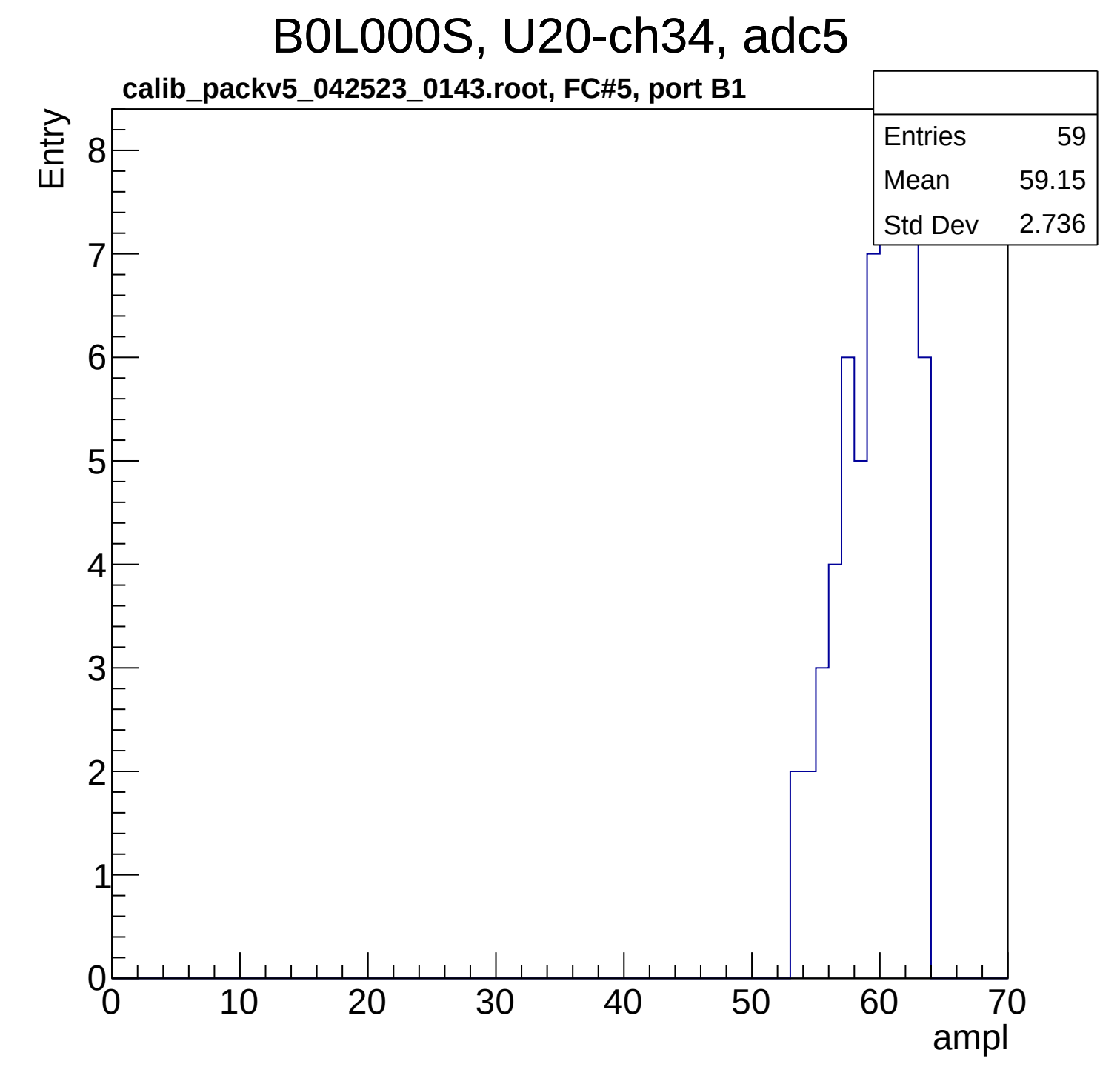
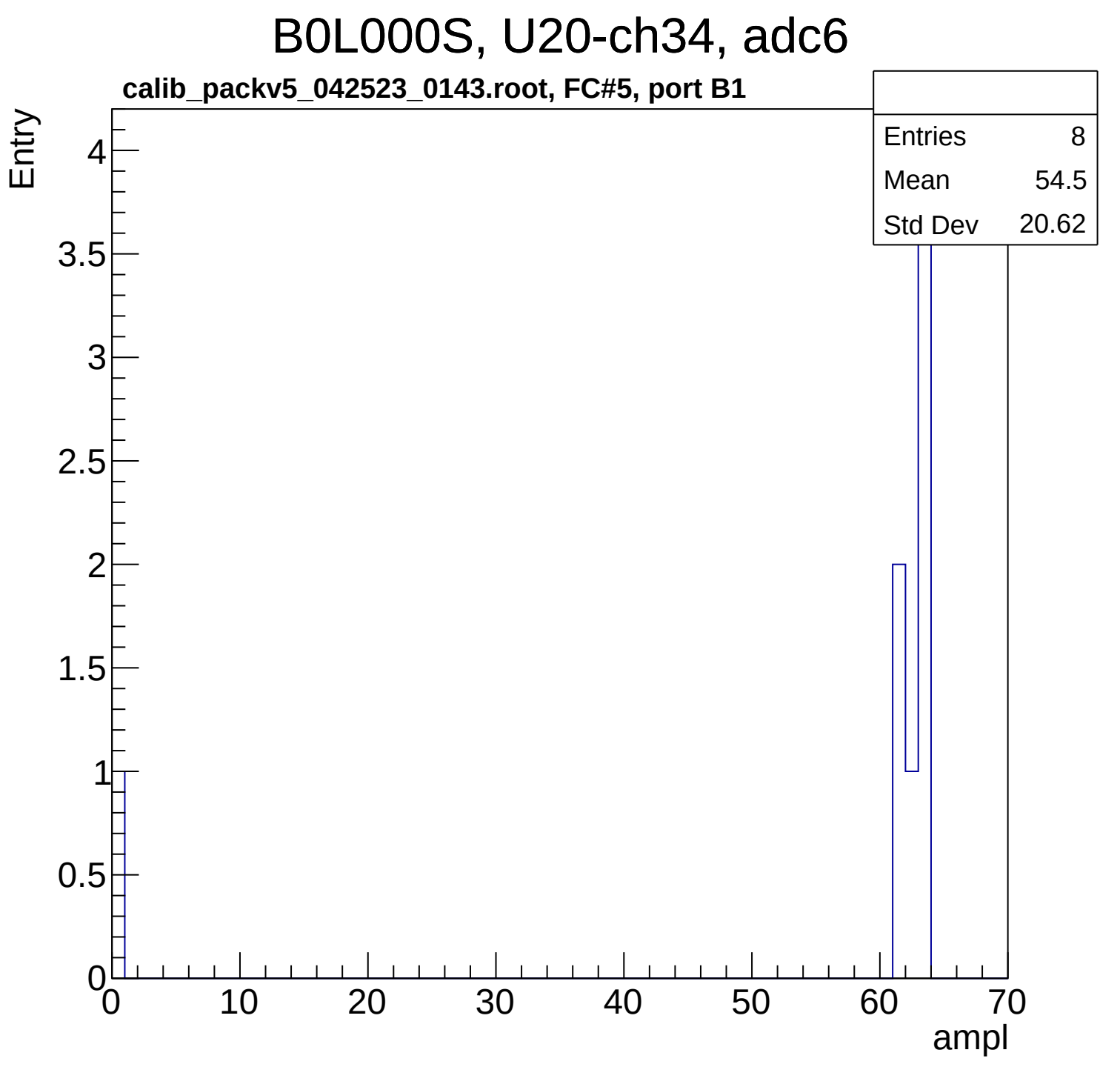
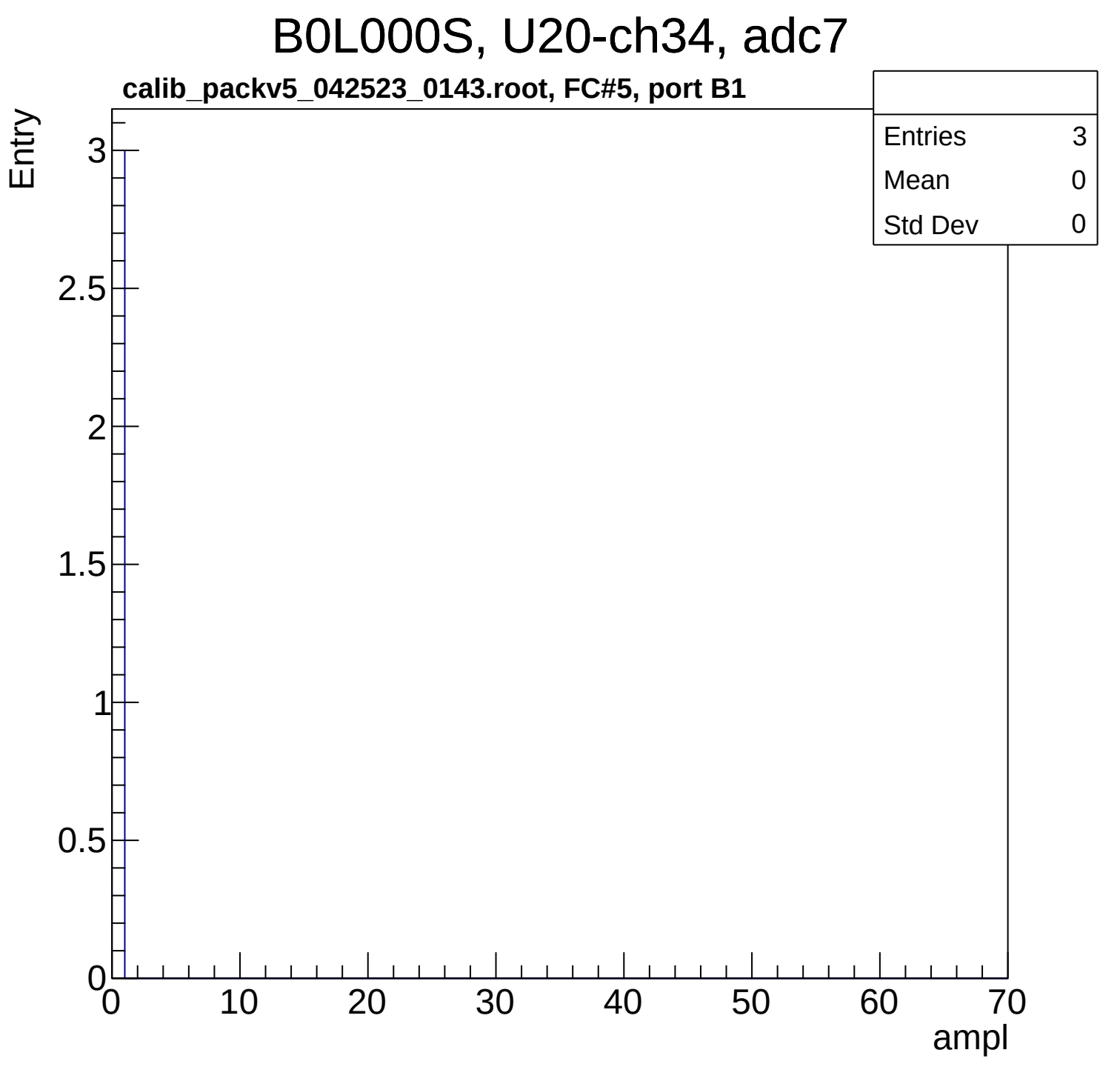
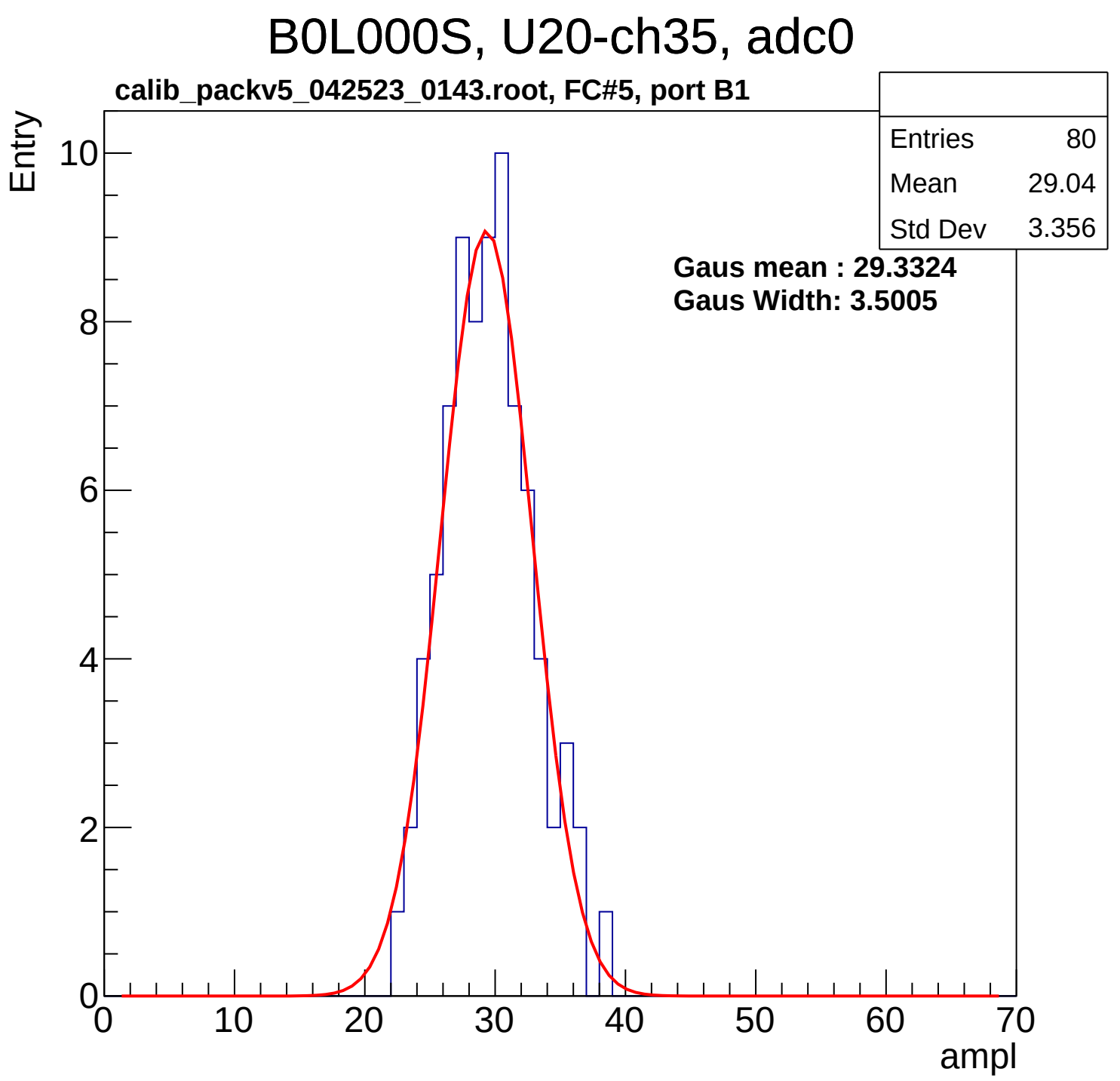
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl

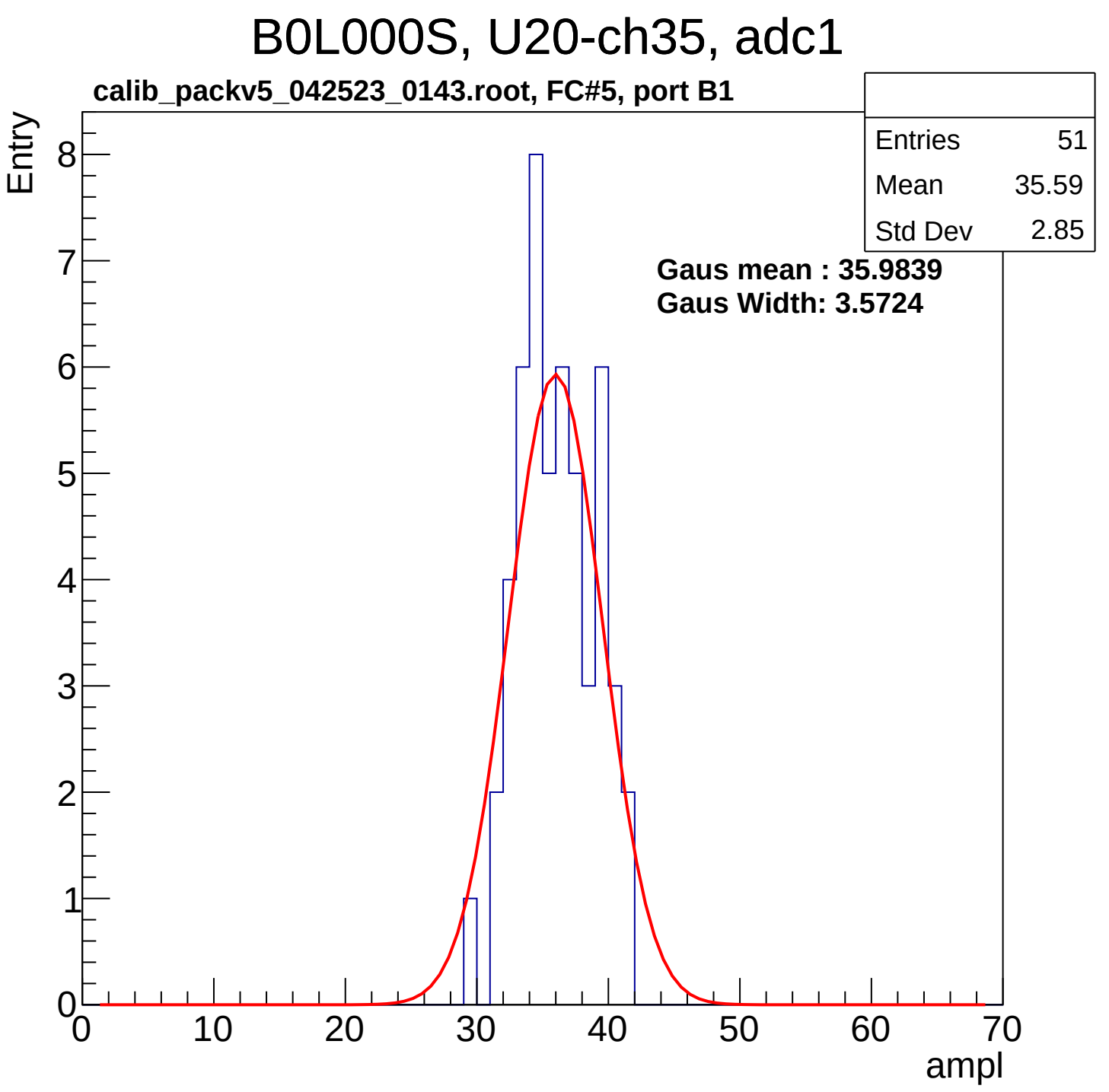

B0L000S, U20-ch34, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 54.26
Std Dev 3.329
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

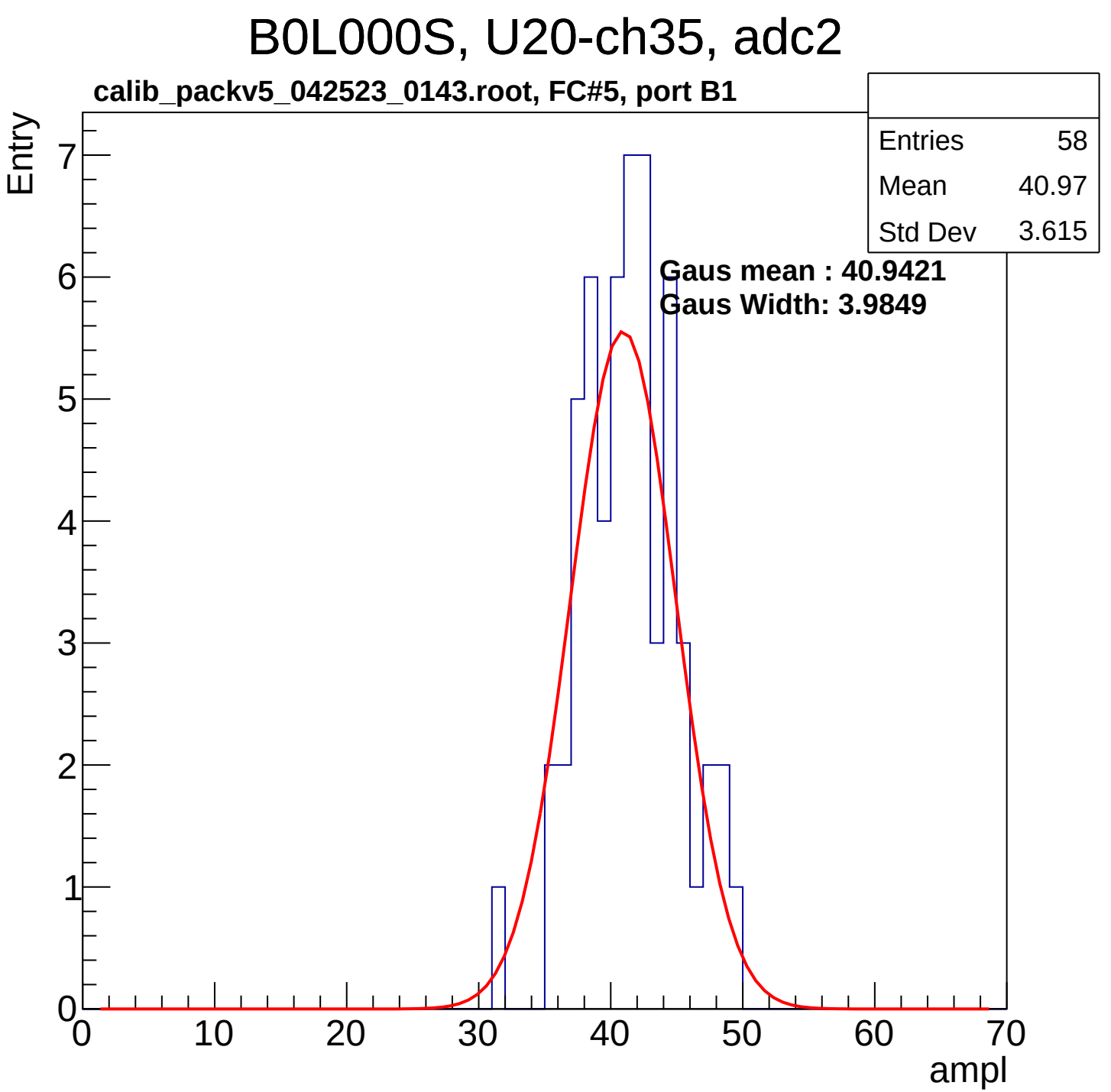

B0L000S, U20-ch34, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 59.15
Std Dev 2.736
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch34, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 54.5
Std Dev 20.62
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch34, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
3
2.5
2
1.5
1
0.5
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch35, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 29.04
Std Dev 3.356
Gaus mean : 29.3324
Gaus Width: 3.5005
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch35, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 35.59
Std Dev 2.85
Gaus mean : 35.9839
Gaus Width: 3.5724
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch35, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 40.97
Std Dev 3.615
Gaus mean : 40.9421
Gaus Width: 3.9849
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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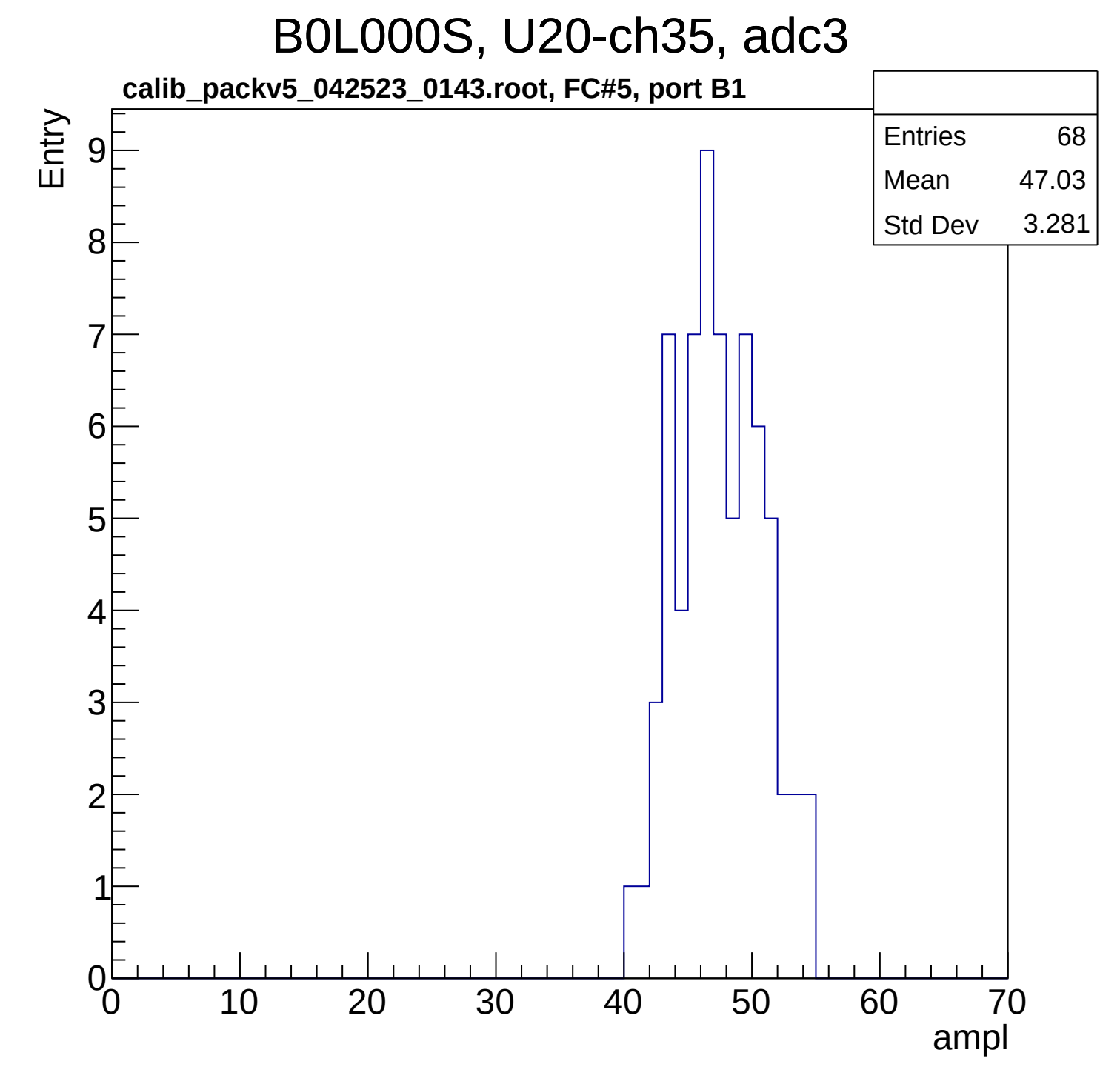
B0L000S, U20-ch35, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 47.03
Std Dev 3.281
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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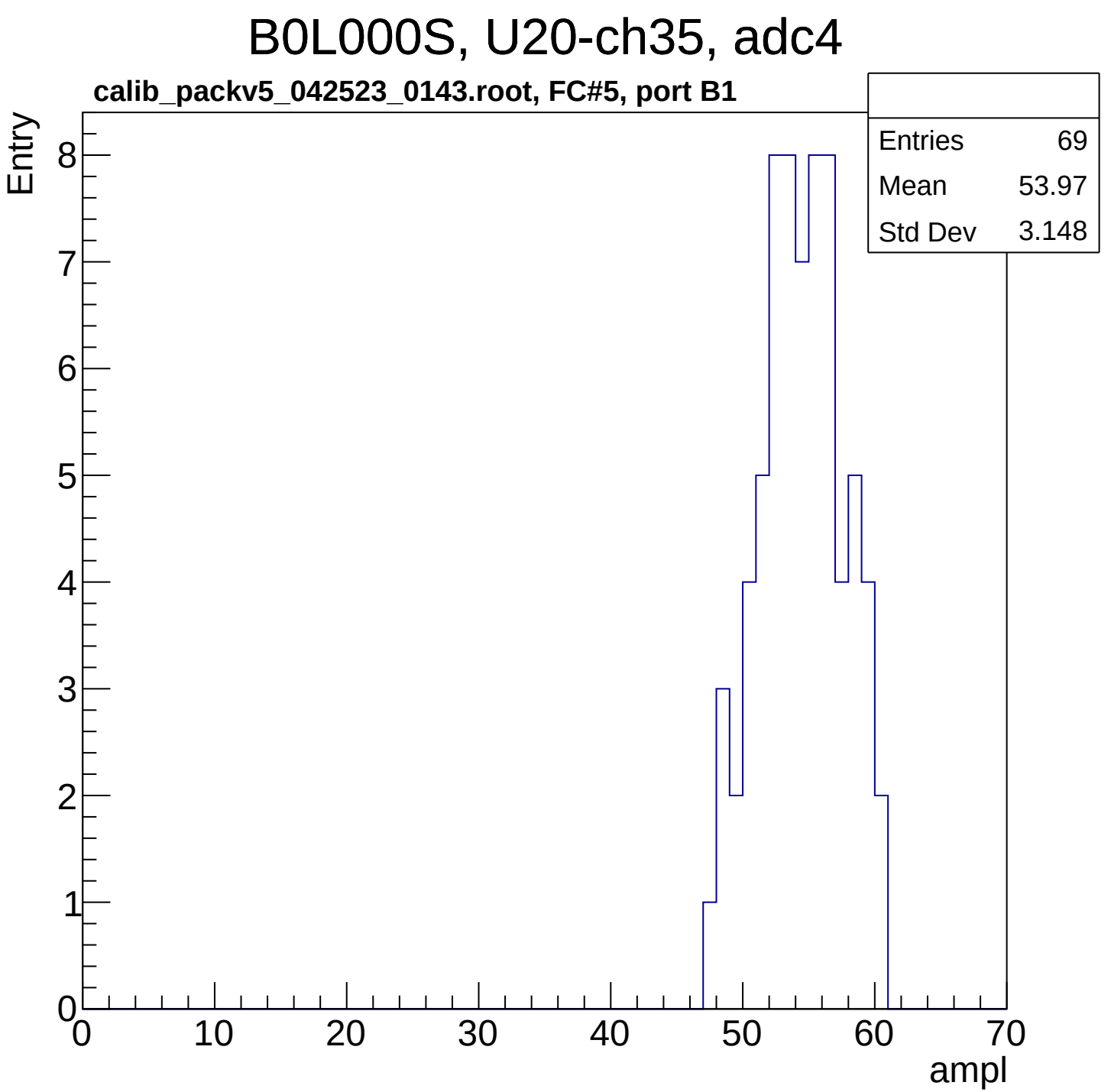
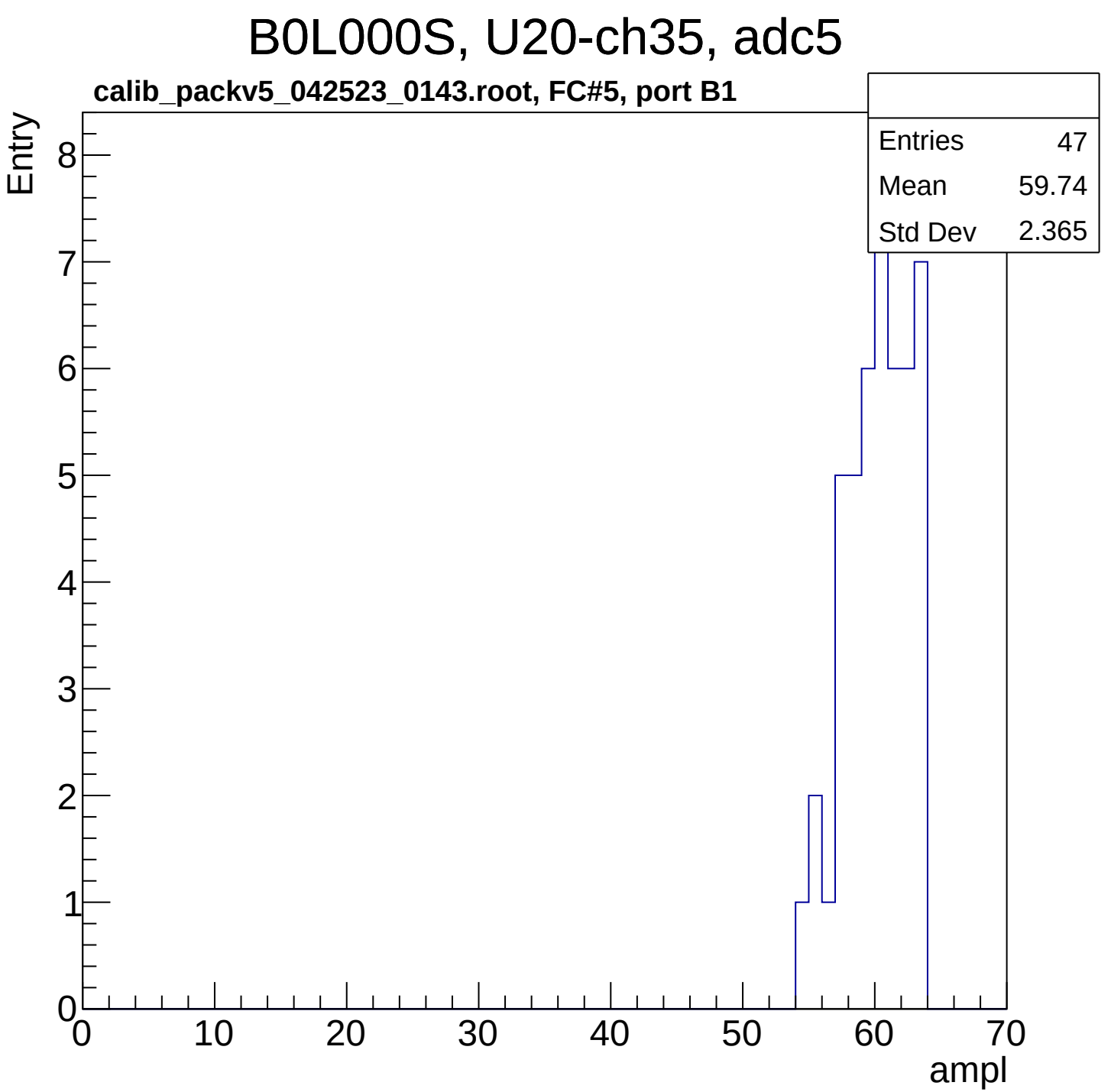

B0L000S, U20-ch35, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 53.97
Std Dev 3.148
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch35, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 59.74
Std Dev 2.365
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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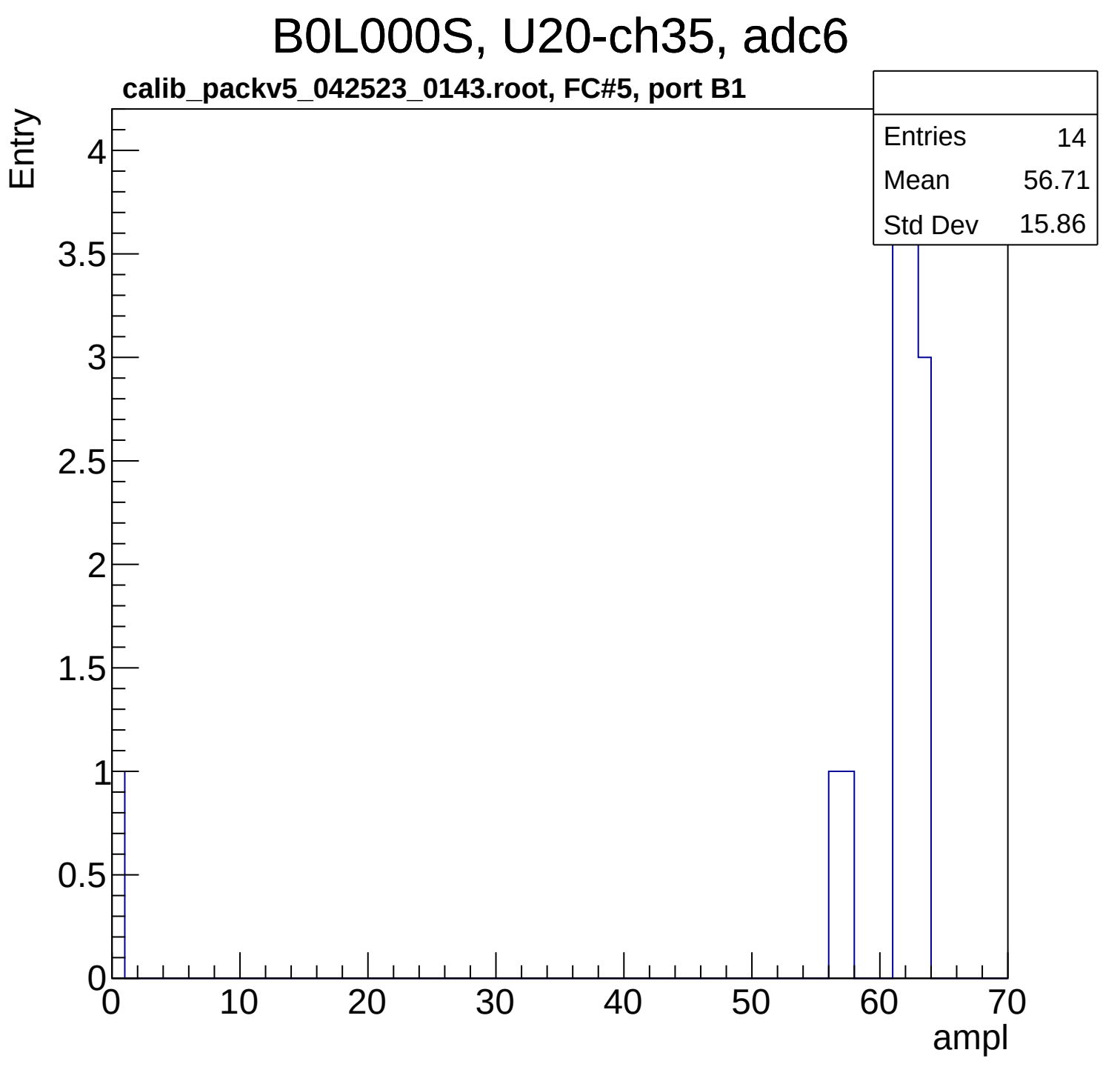
B0L000S, U20-ch35, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 14
Mean 56.71
Std Dev 15.86
Entry
ampl
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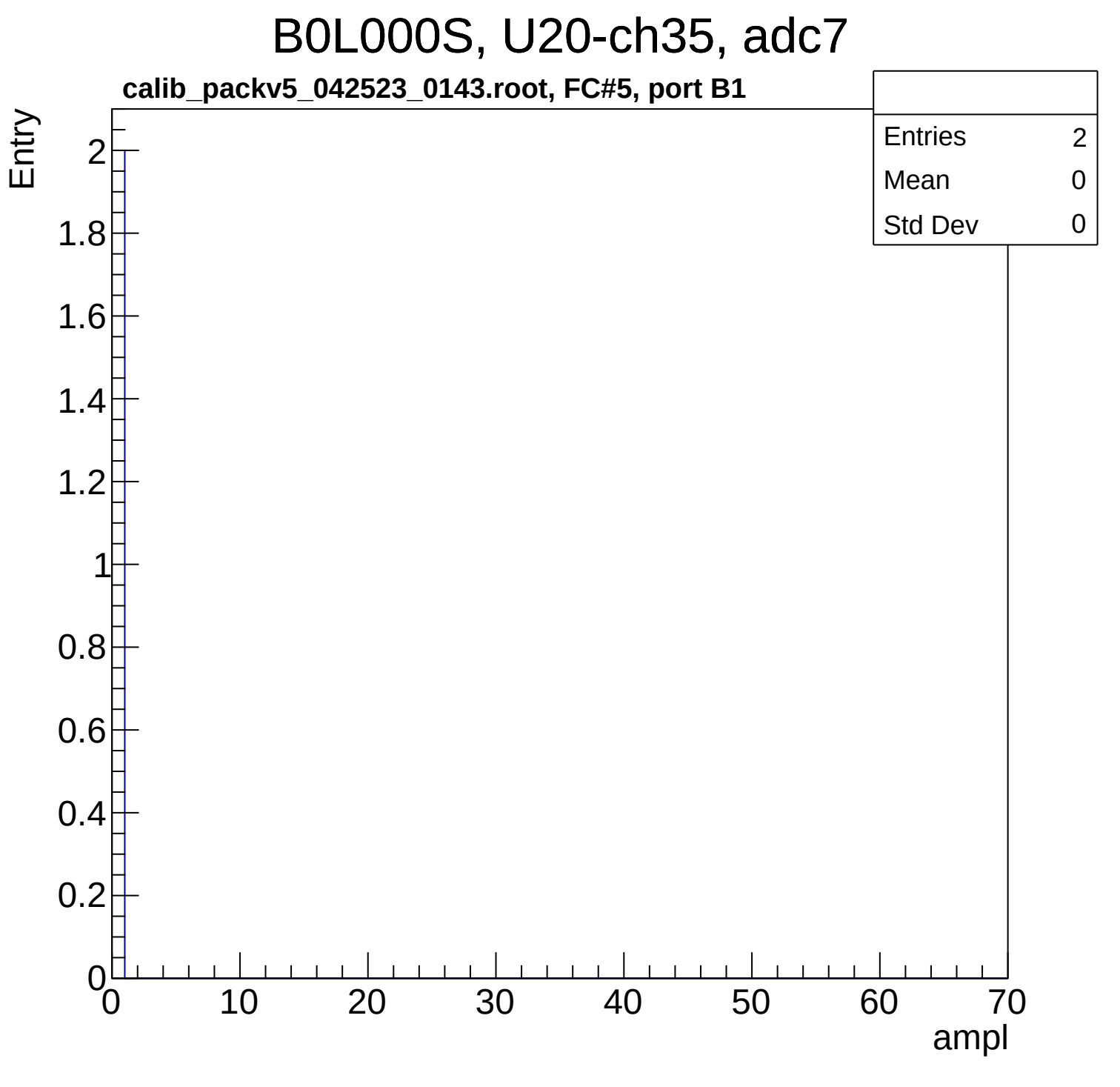
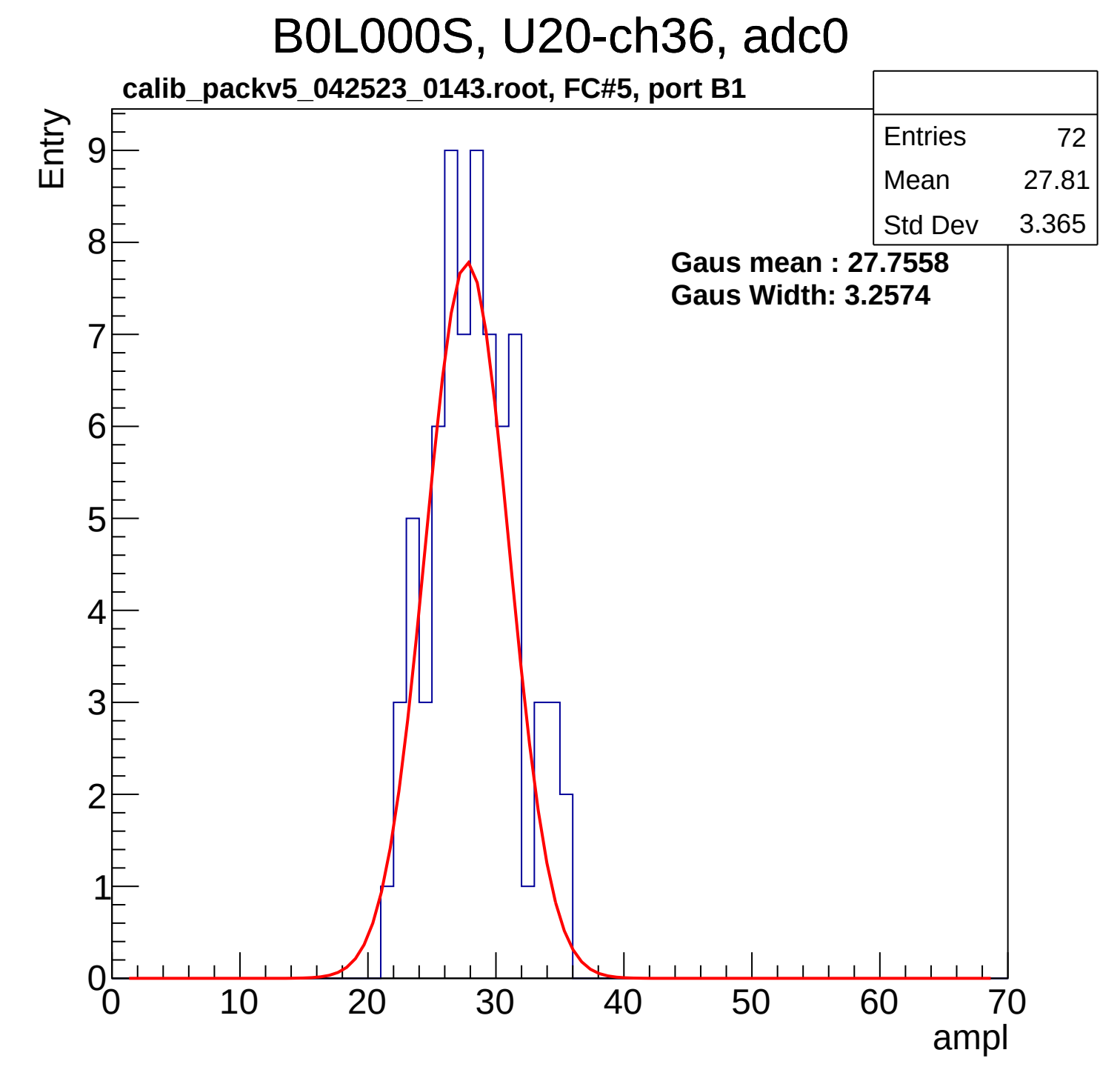
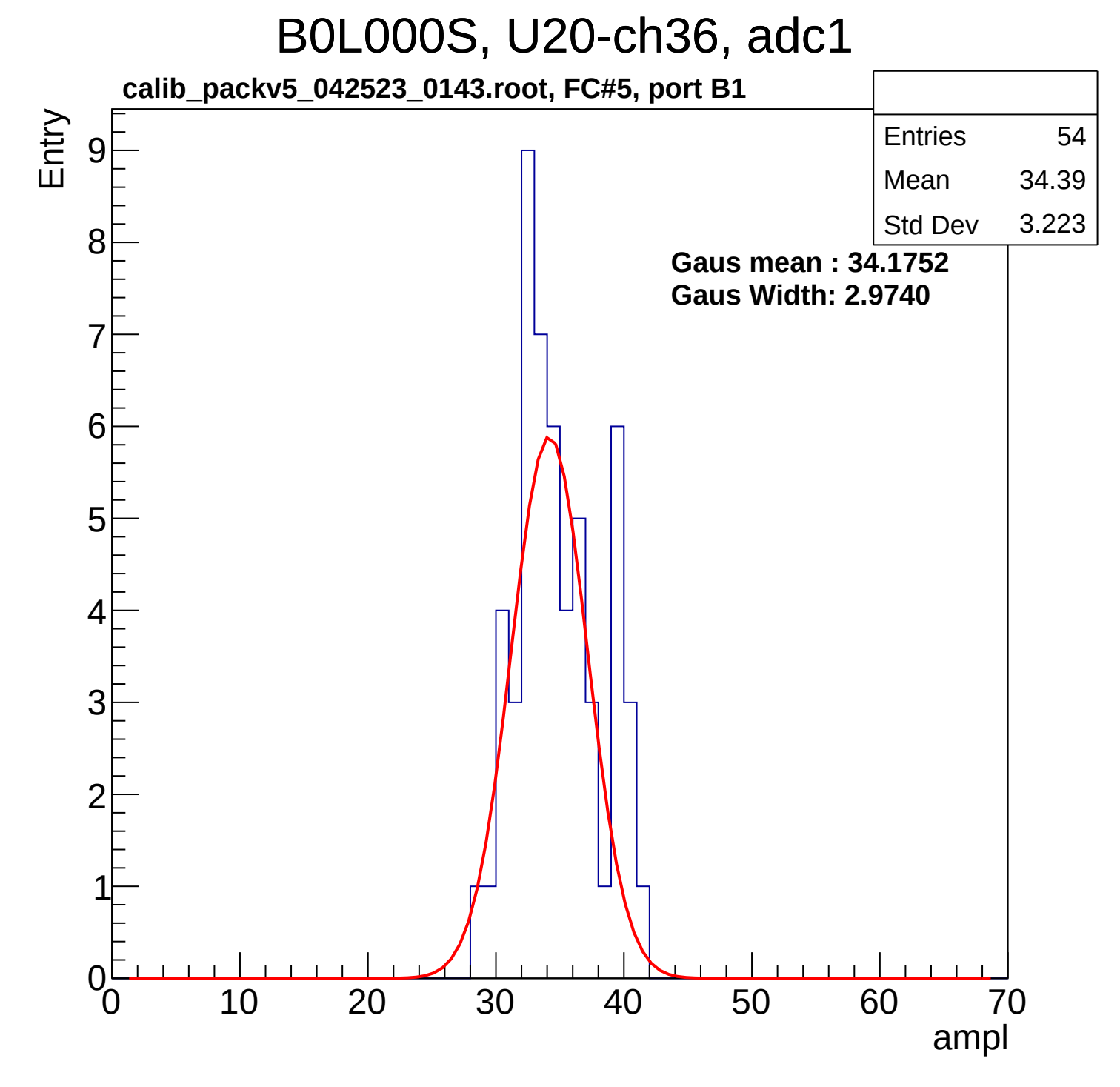
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch35, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch36, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 27.81
Std Dev 3.365
Gaus mean : 27.7558
Gaus Width: 3.2574
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch36, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 34.39
Std Dev 3.223
Gaus mean : 34.1752
Gaus Width: 2.9740
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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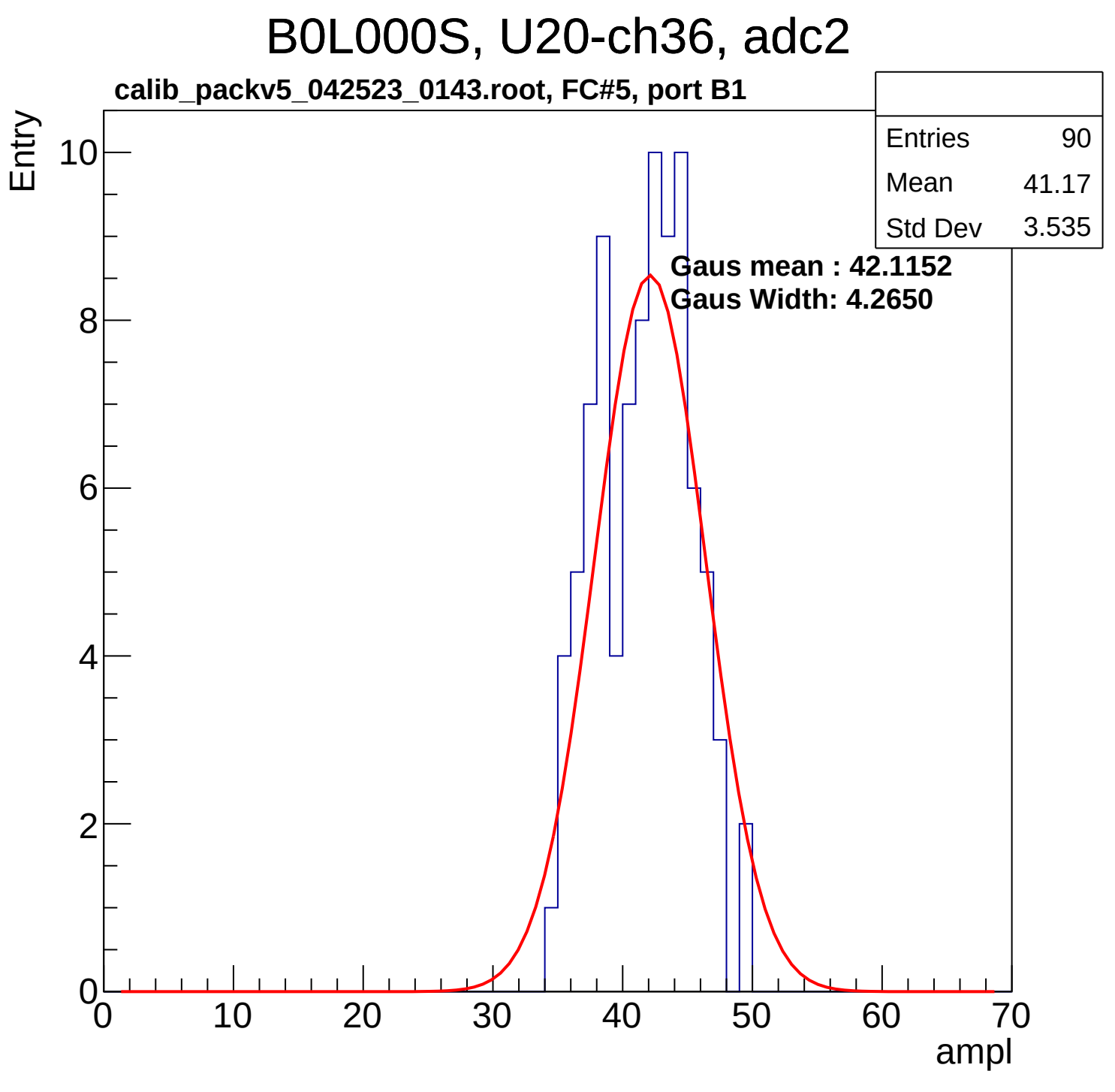
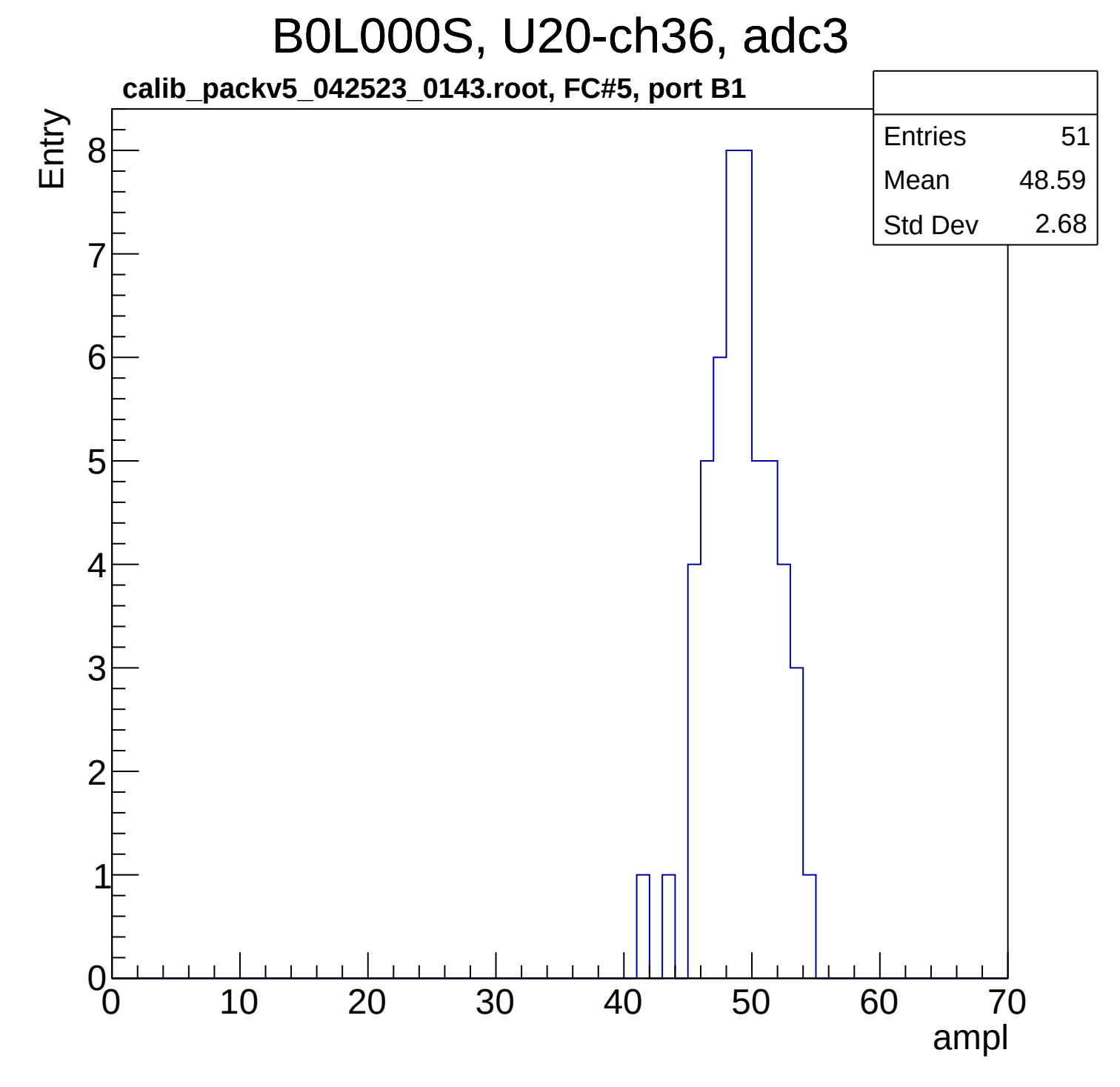

B0L000S, U20-ch36, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 90
Mean 41.17
Std Dev 3.535
Gaus mean : 42.1152
Gaus Width: 4.2650
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch36, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 48.59
Std Dev 2.68
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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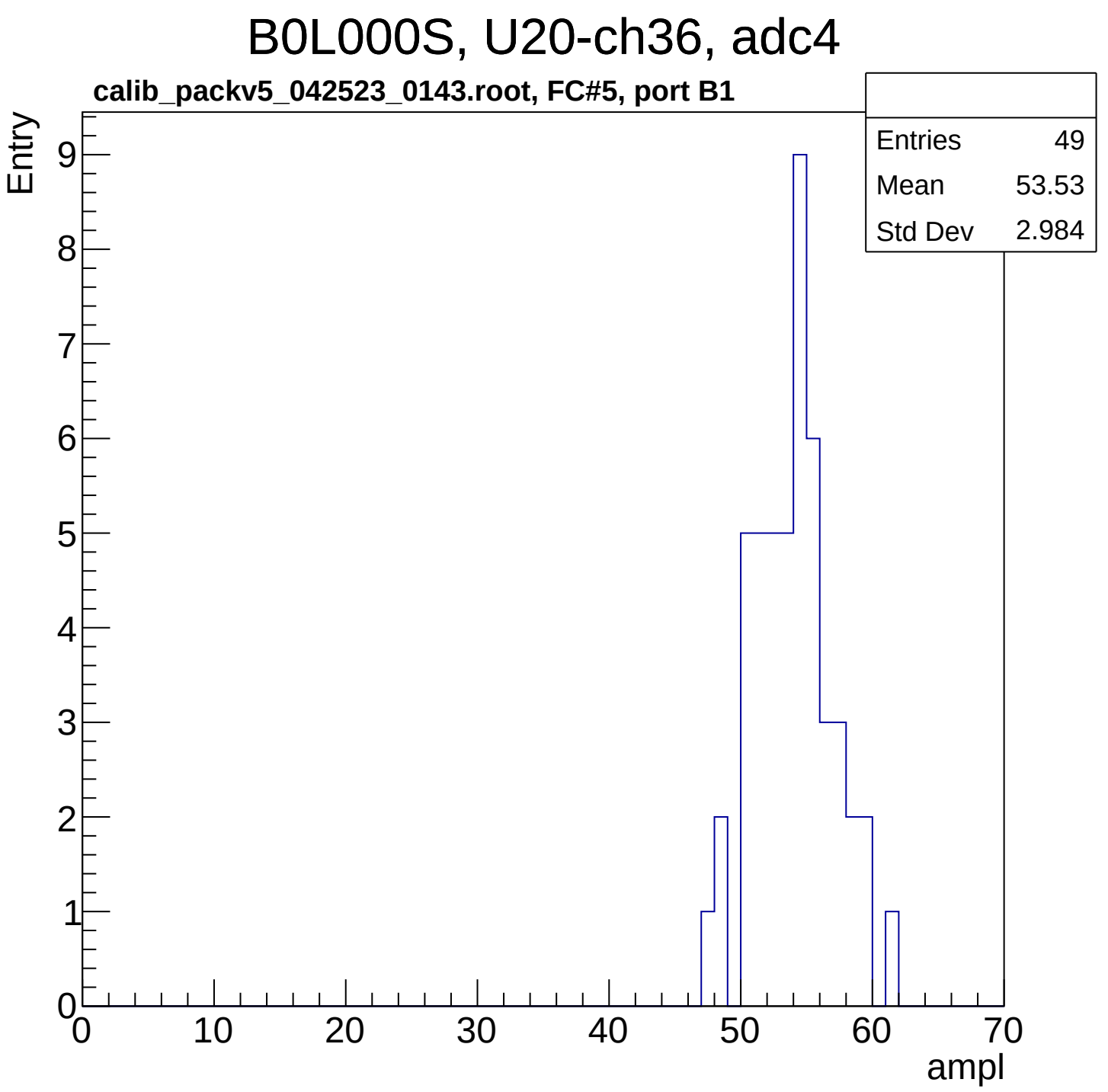
B0L000S, U20-ch36, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 53.53
Std Dev 2.984
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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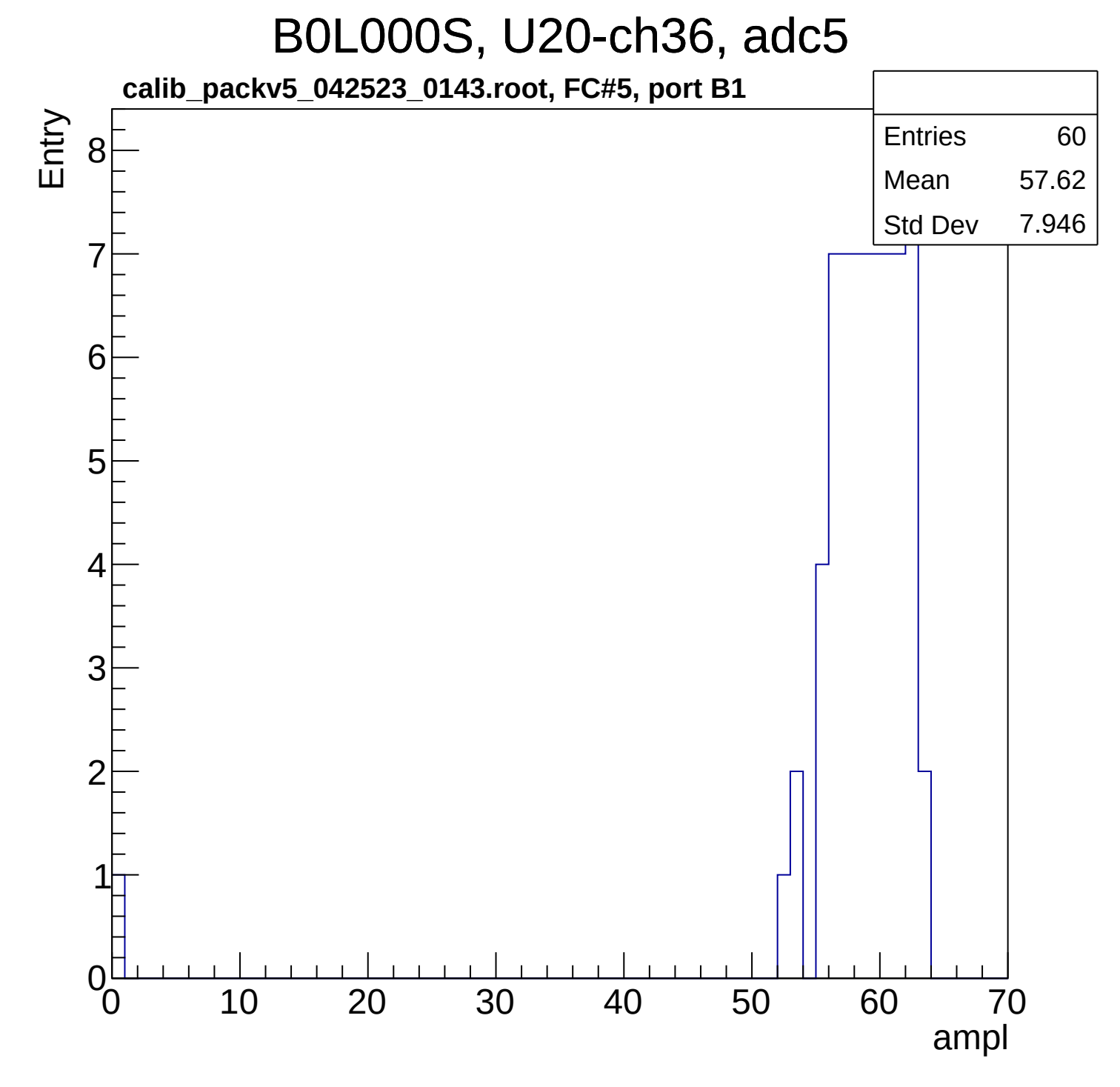
B0L000S, U20-ch36, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 57.62
Std Dev 7.946
Entry
ampl
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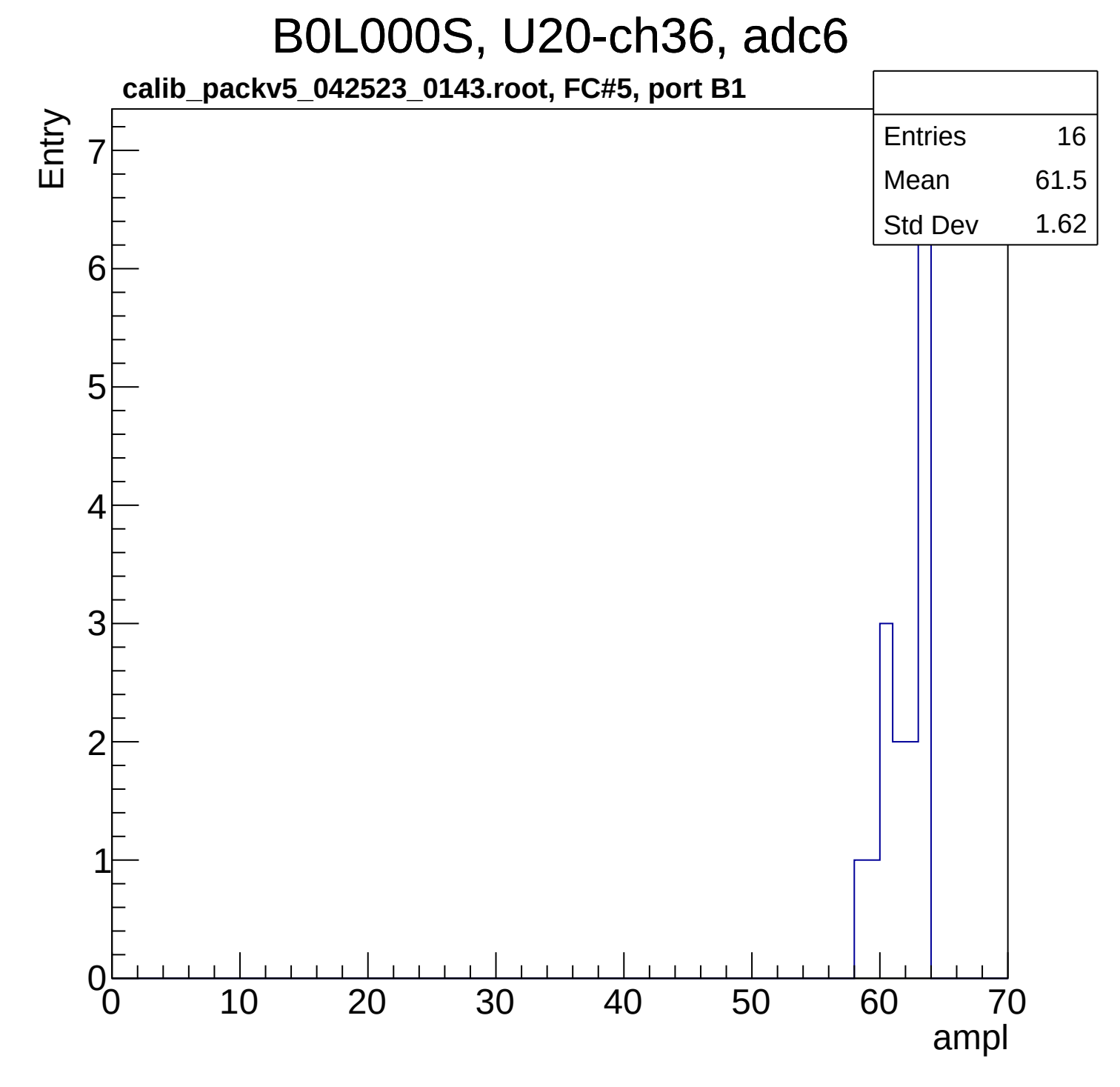
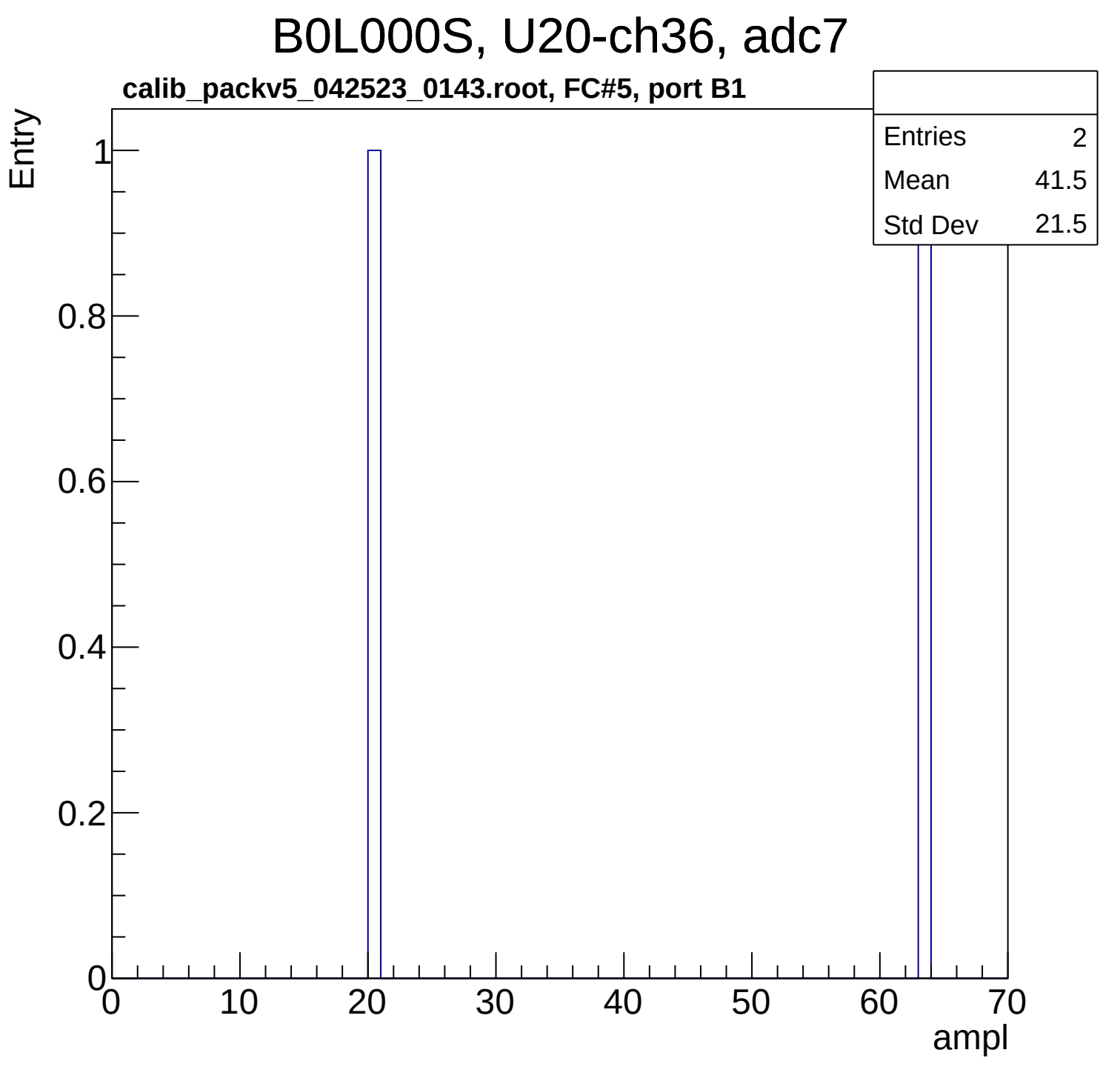
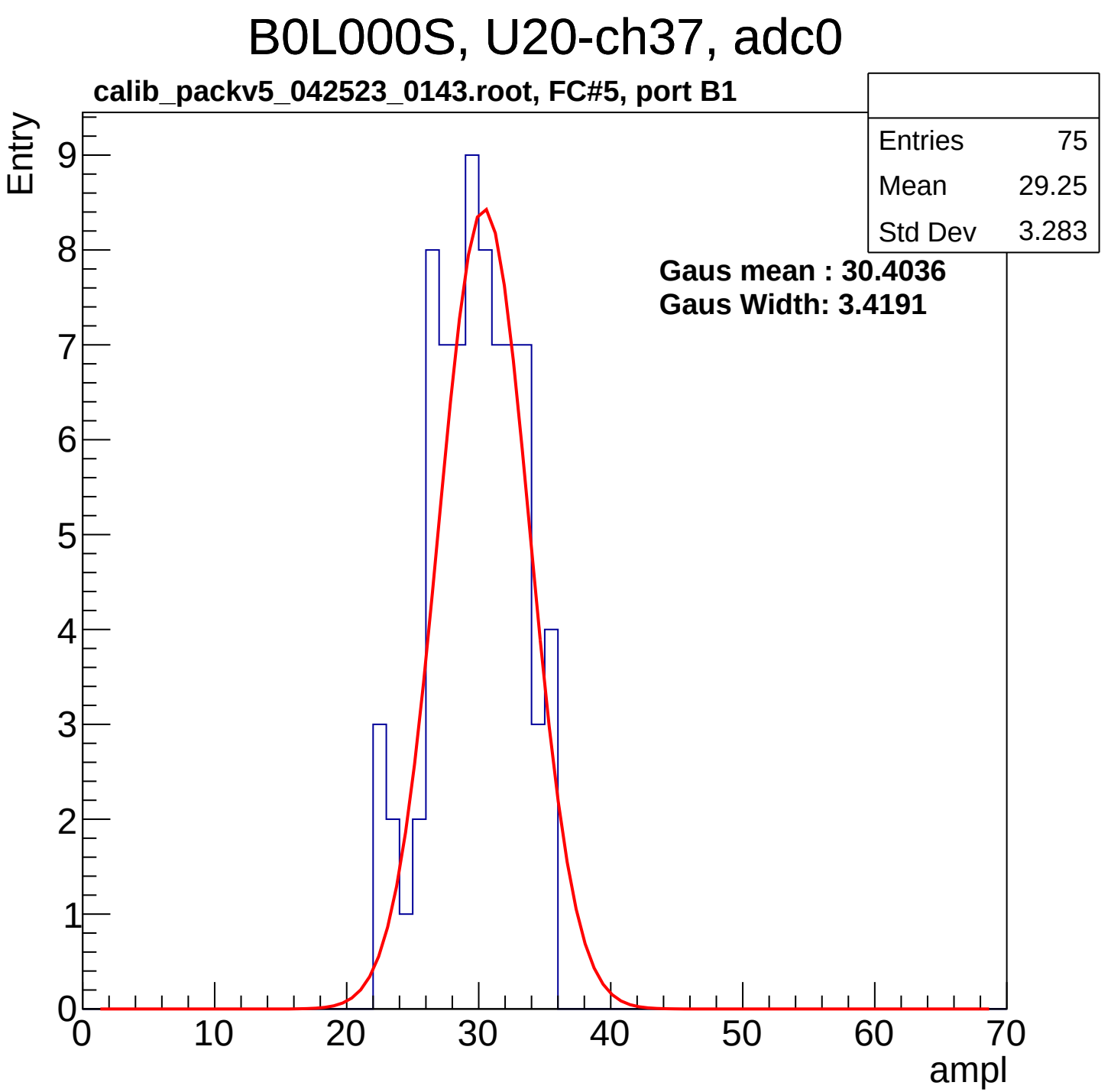
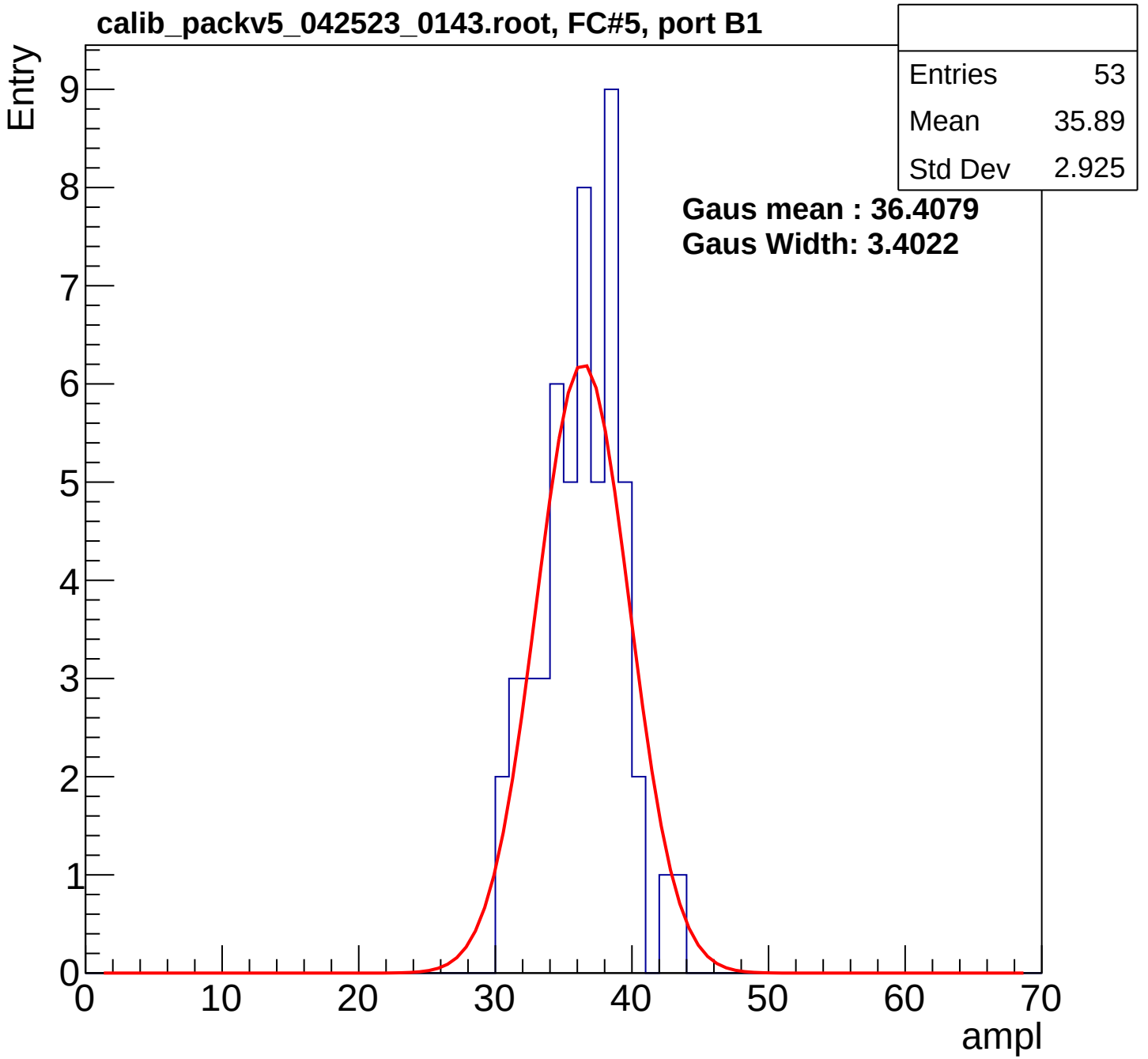
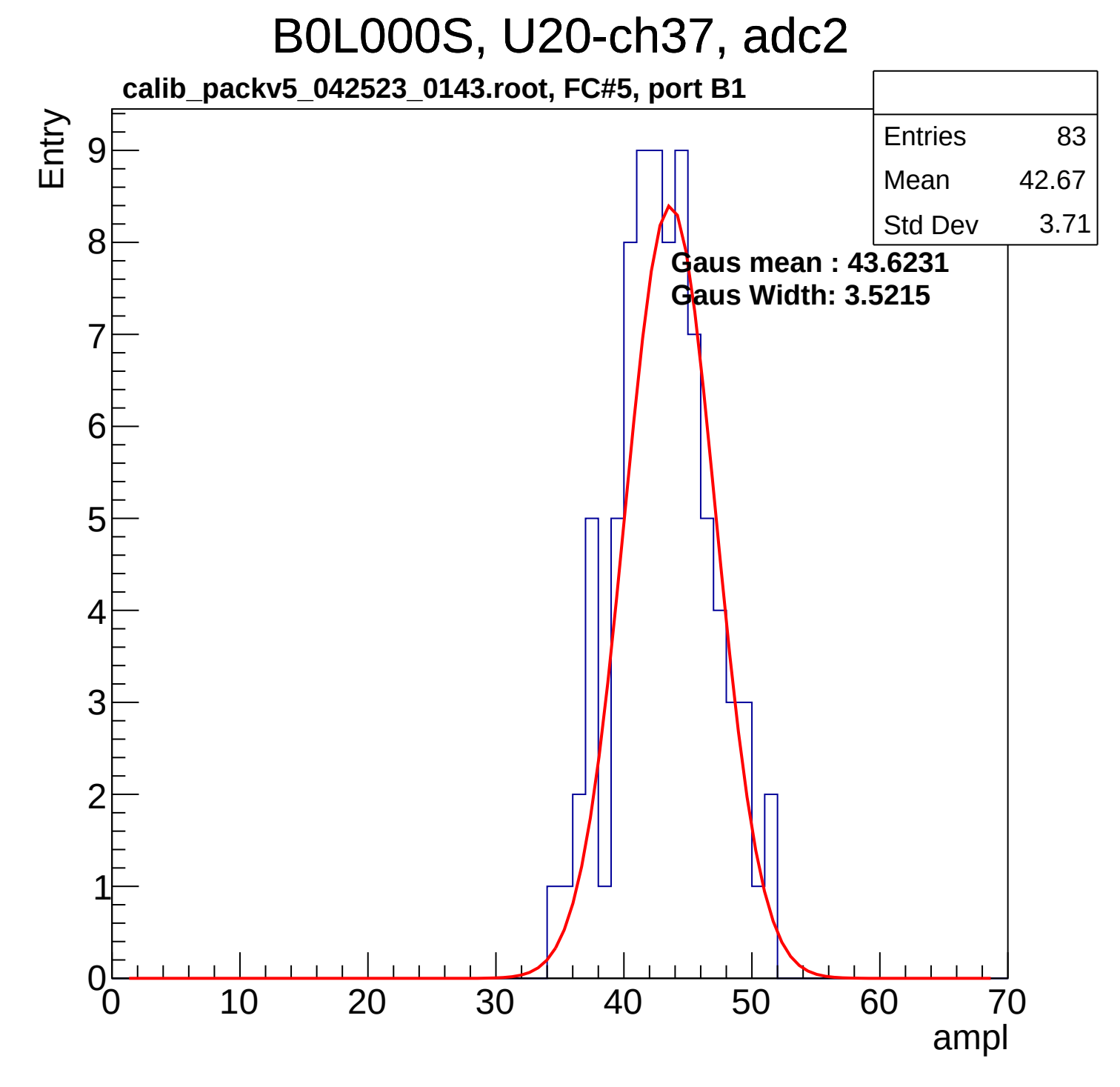
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

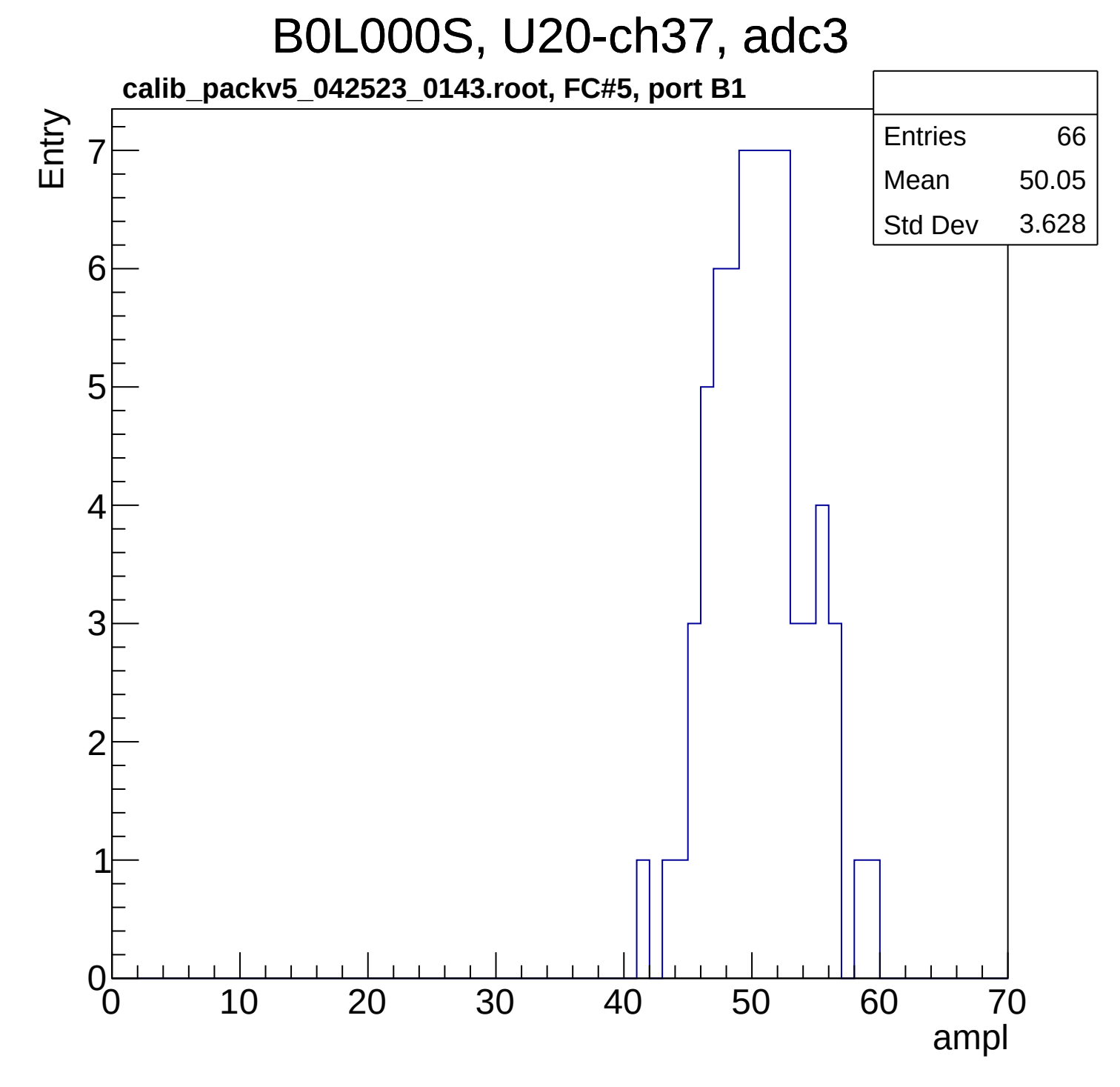

B0L000S, U20-ch36, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 16
Mean 61.5
Std Dev 1.62
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch36, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 41.5
Std Dev 21.5
Entry
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch37, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 29.25
Std Dev 3.283
Gaus mean : 30.4036
Gaus Width: 3.4191
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch37, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 35.89
Std Dev 2.925
Gaus mean : 36.4079
Gaus Width: 3.4022
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch37, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 83
Mean 42.67
Std Dev 3.71
Gaus mean : 43.6231
Gaus Width: 3.5215
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch37, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 50.05
Std Dev 3.628
Entry
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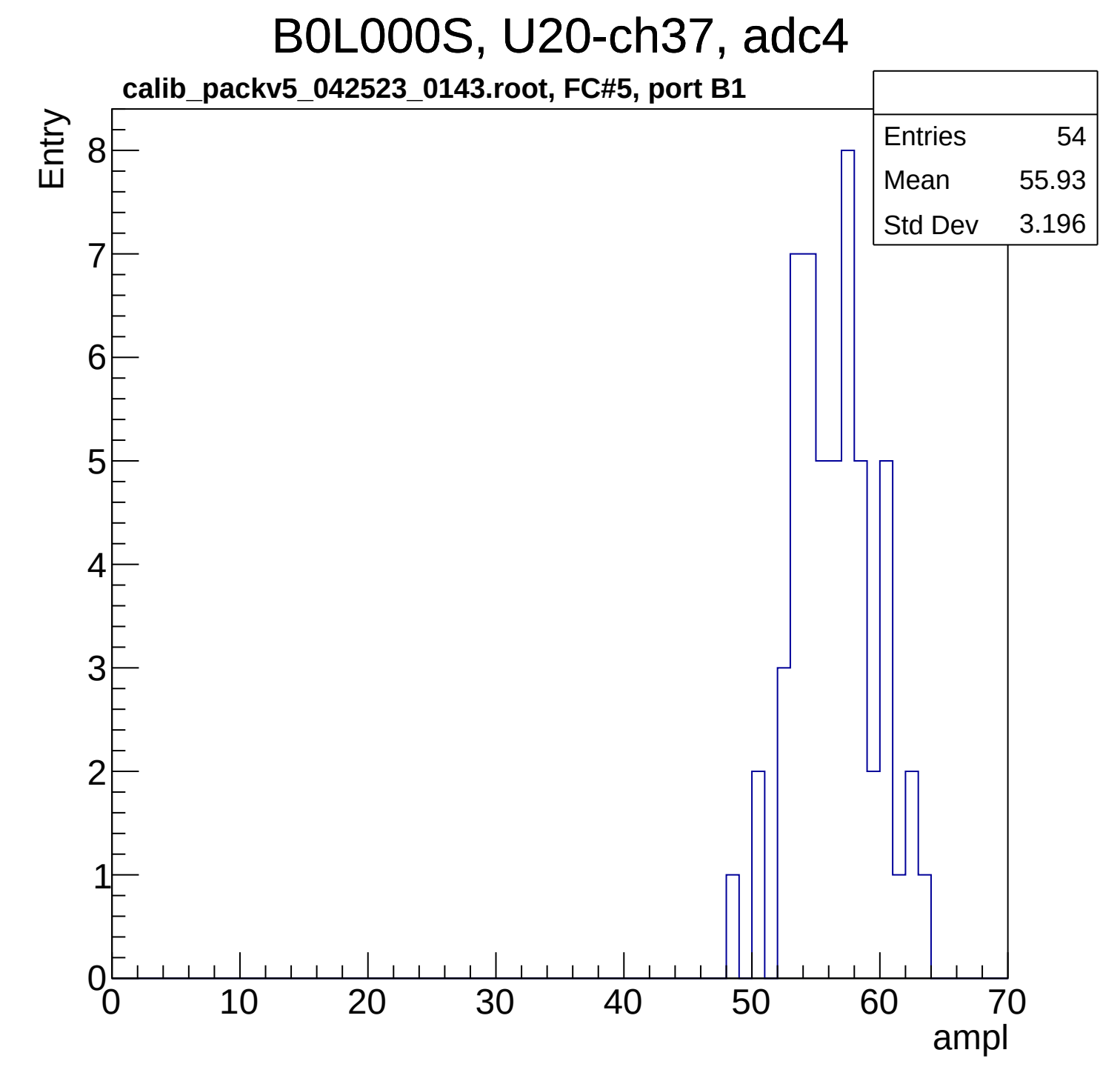
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch37, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 55.93
Std Dev 3.196
Entry
ampl
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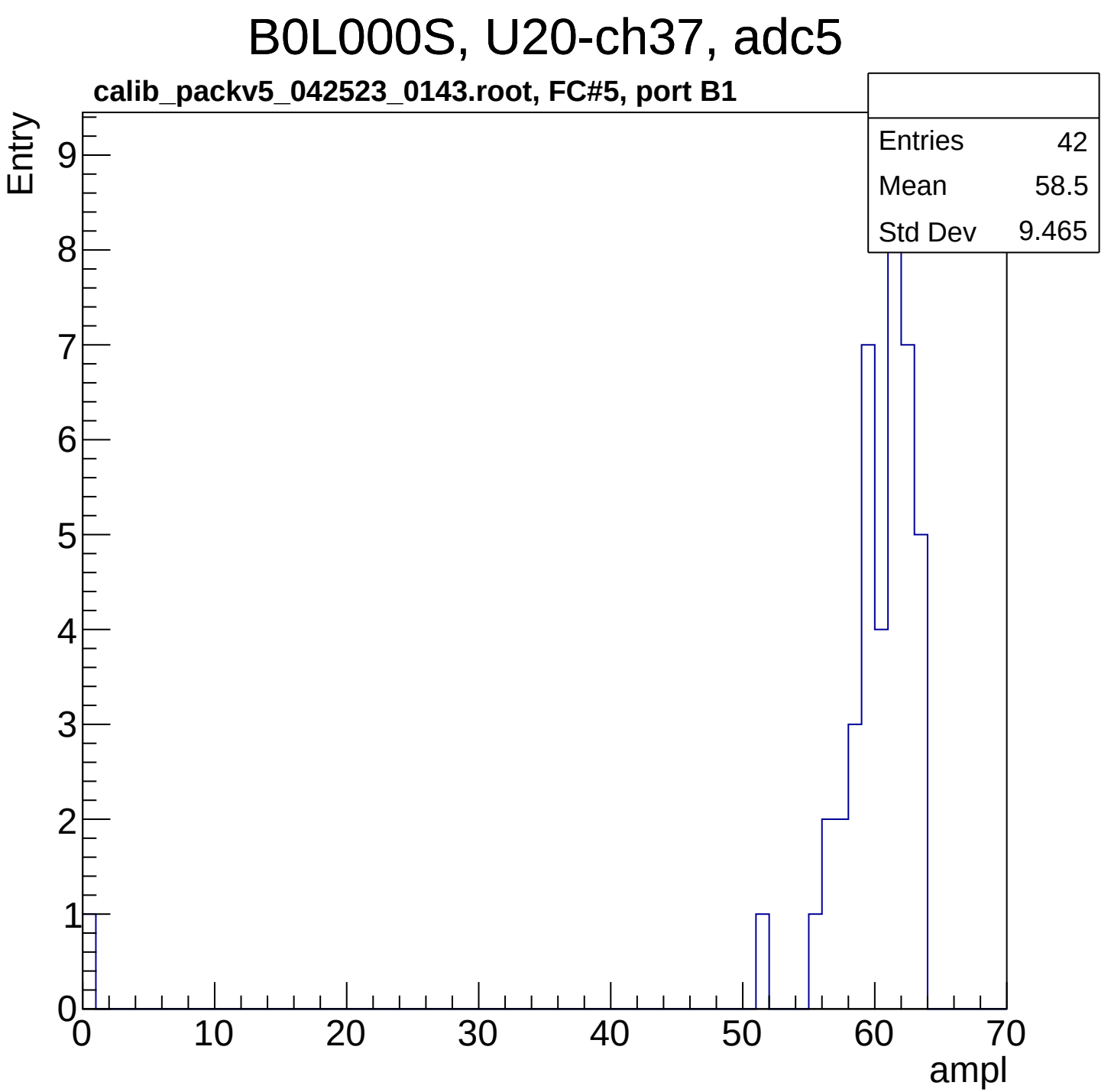
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch37, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 58.5
Std Dev 9.465
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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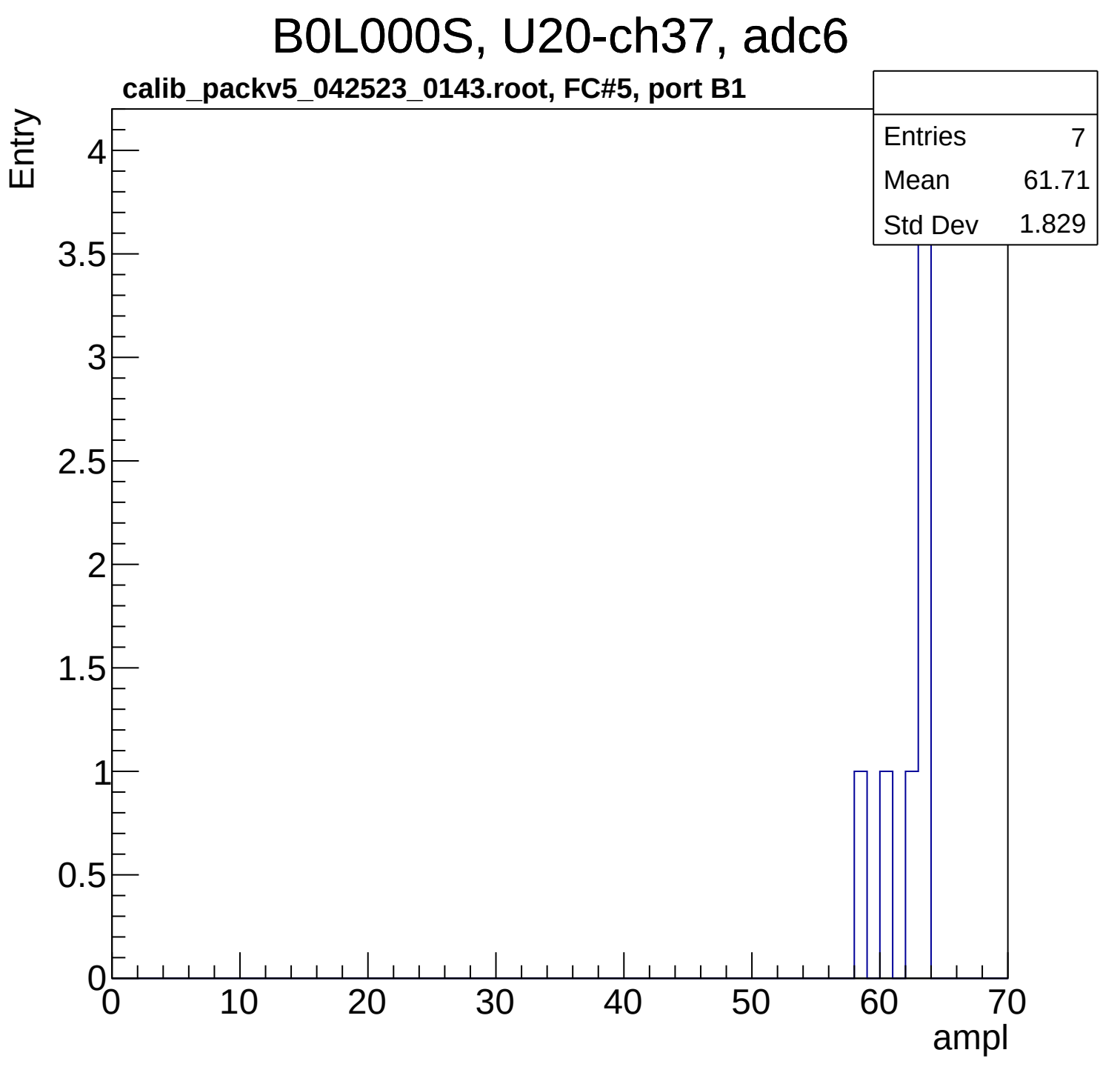
B0L000S, U20-ch37, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 61.71
Std Dev 1.829
Entry
ampl
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0.5
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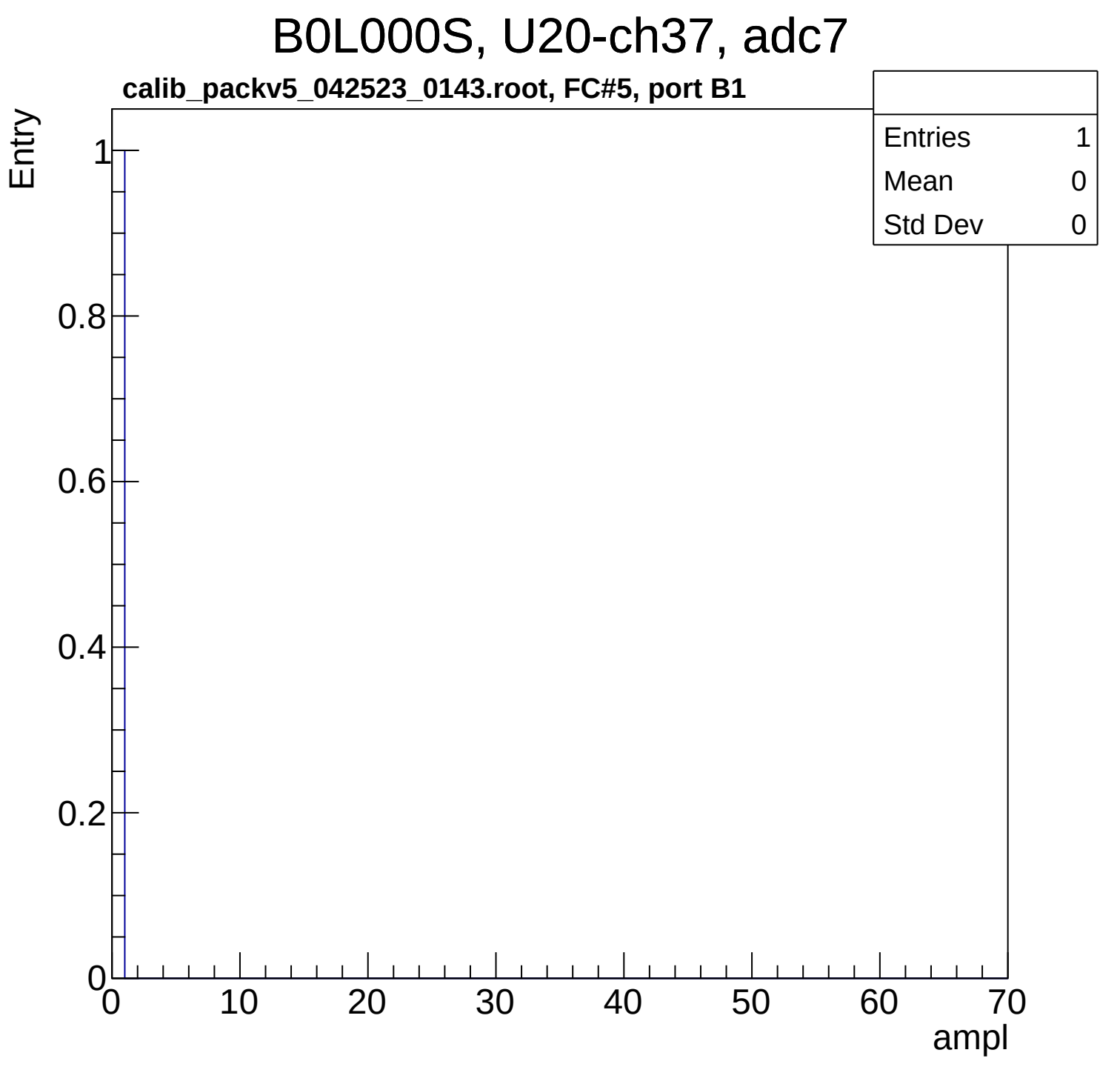
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch37, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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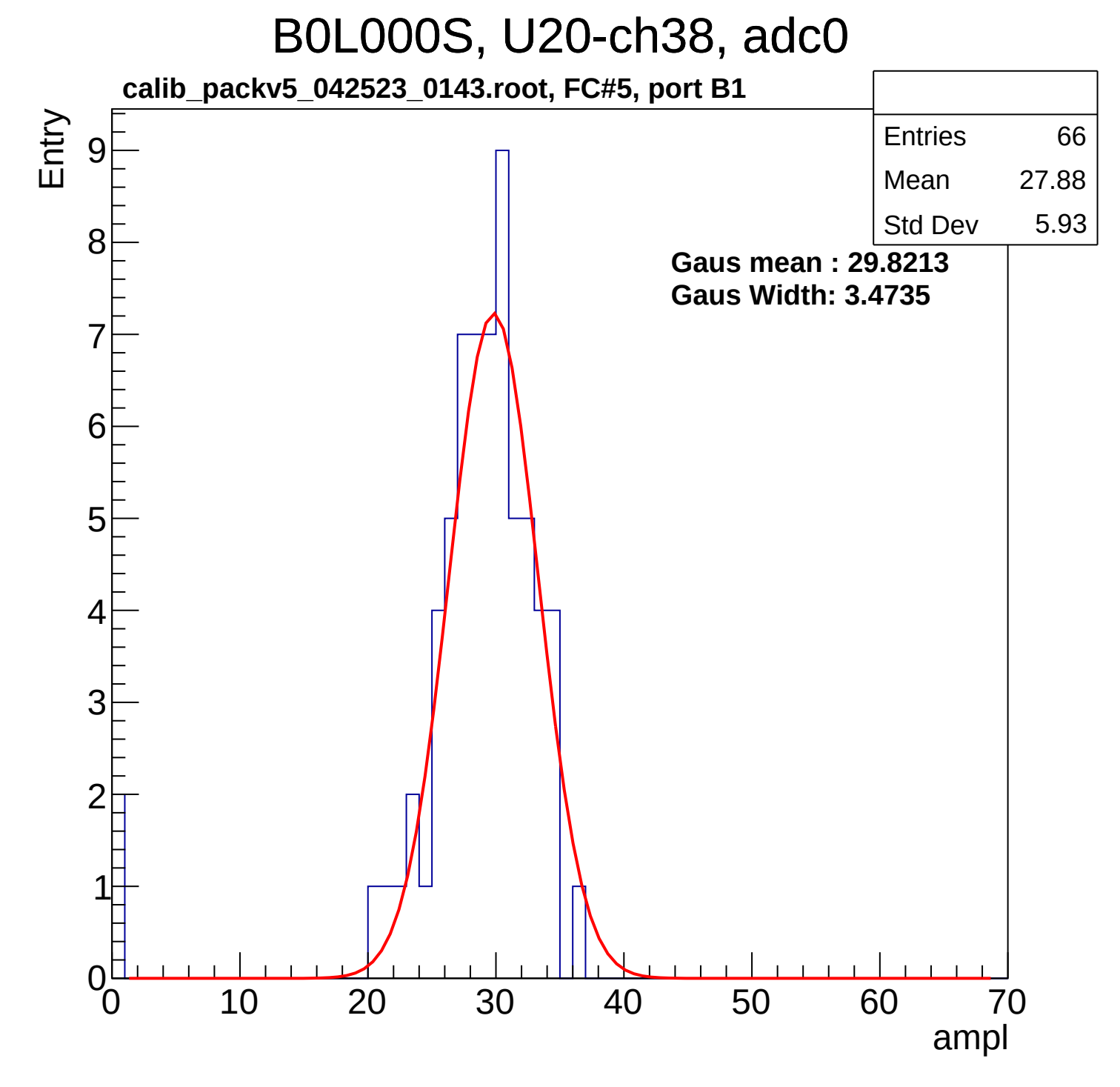
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch38, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 27.88
Std Dev 5.93
Gaus mean : 29.8213
Gaus Width: 3.4735
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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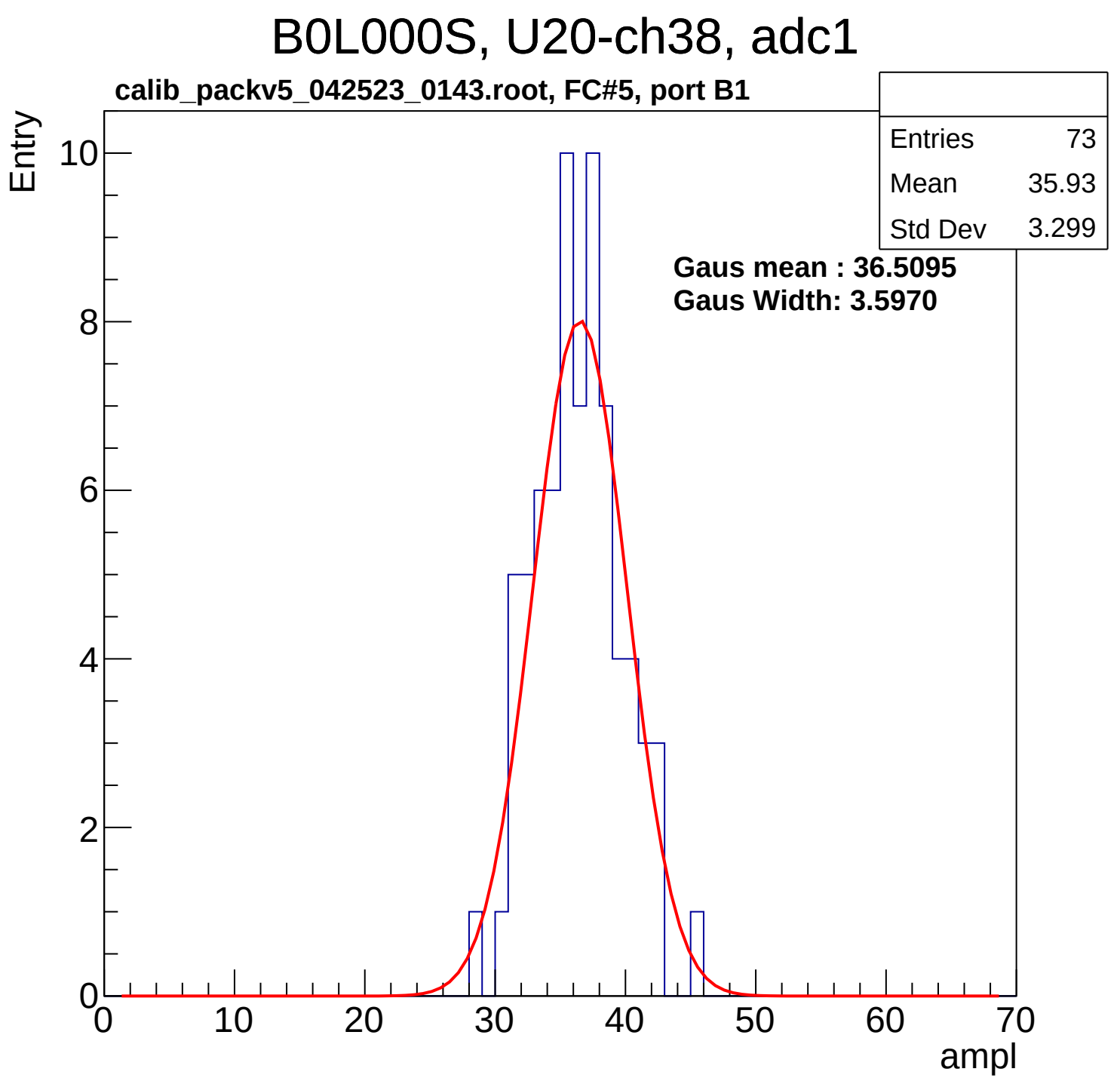
B0L000S, U20-ch38, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 35.93
Std Dev 3.299
Gaus mean : 36.5095
Gaus Width: 3.5970
Entry
ampl
0
2
4
6
8
10
0
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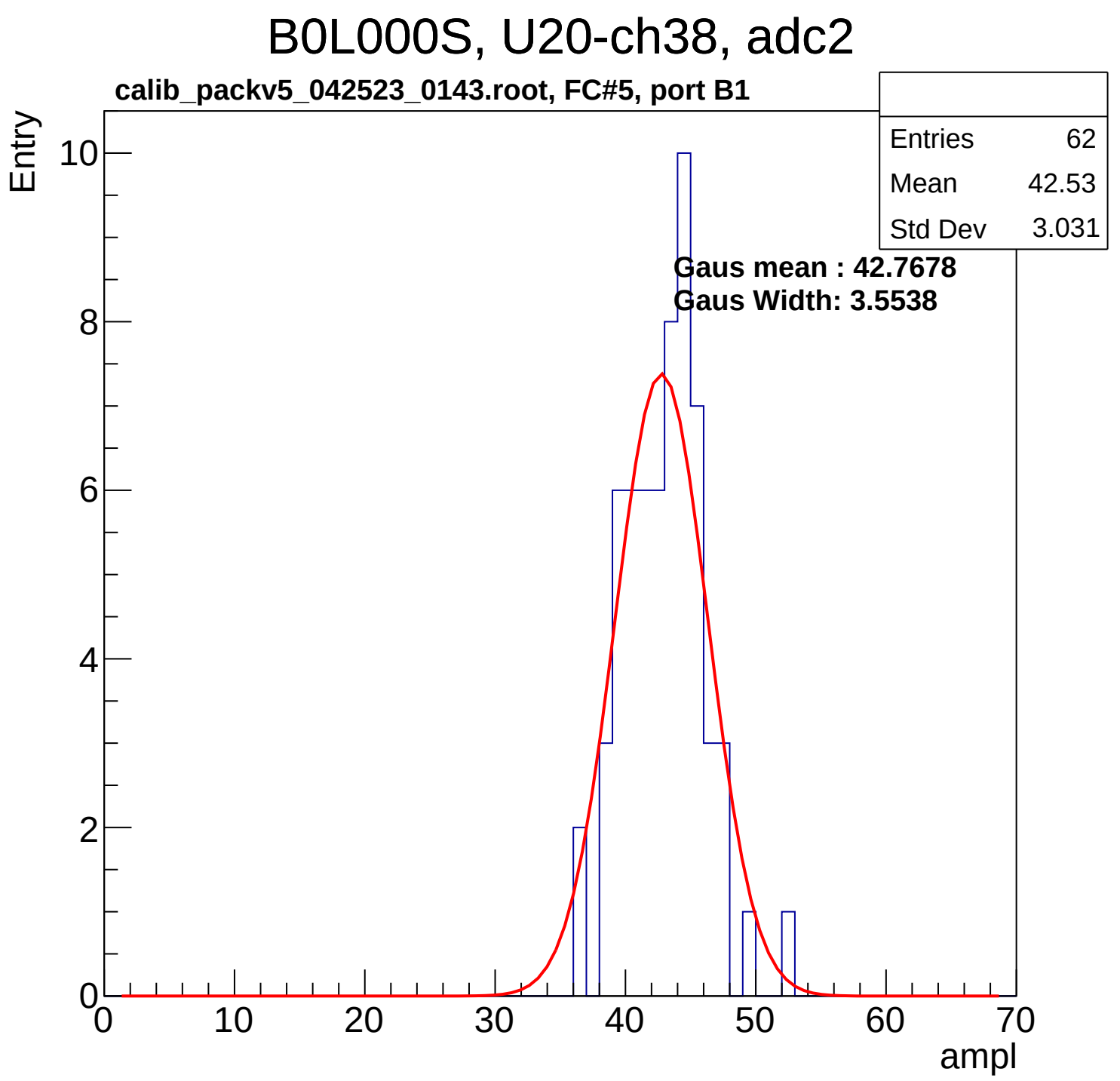
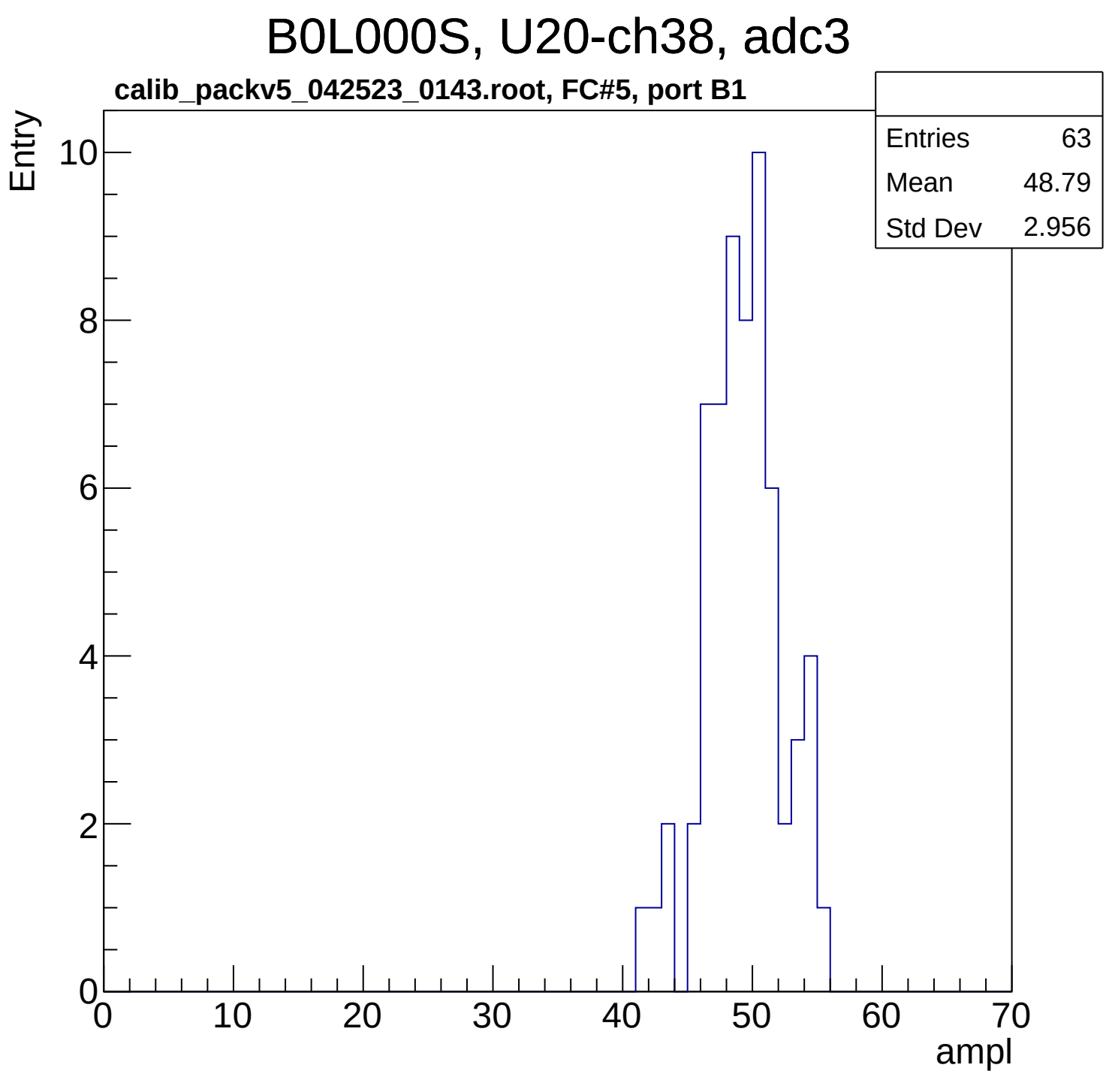
20
30
40
50
60
70


B0L000S, U20-ch38, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 42.53
Std Dev 3.031
Gaus mean : 42.7678
Gaus Width: 3.5538
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch38, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 48.79
Std Dev 2.956
Entry
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6
8
10
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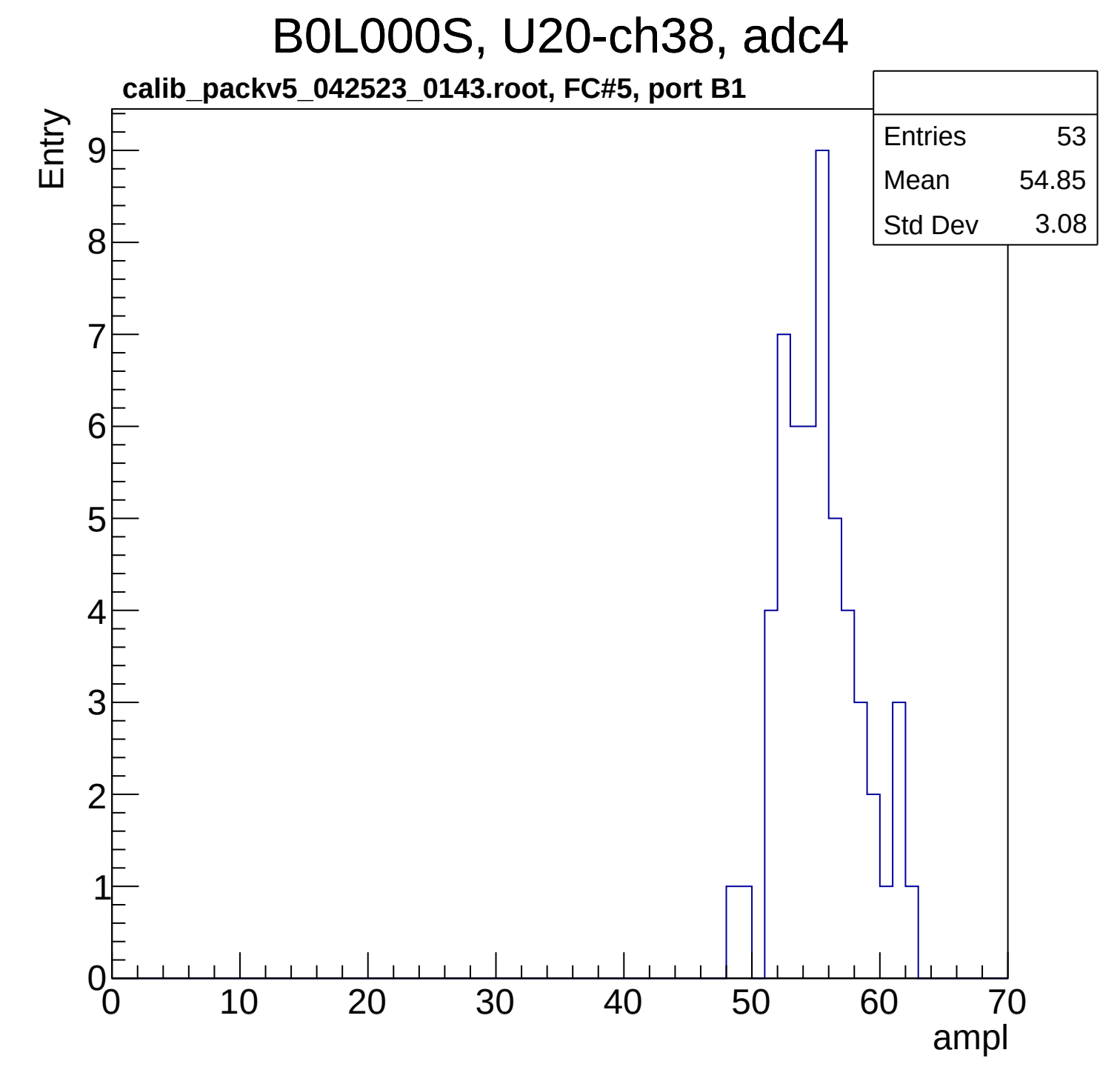
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch38, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 54.85
Std Dev 3.08
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
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40
50
60
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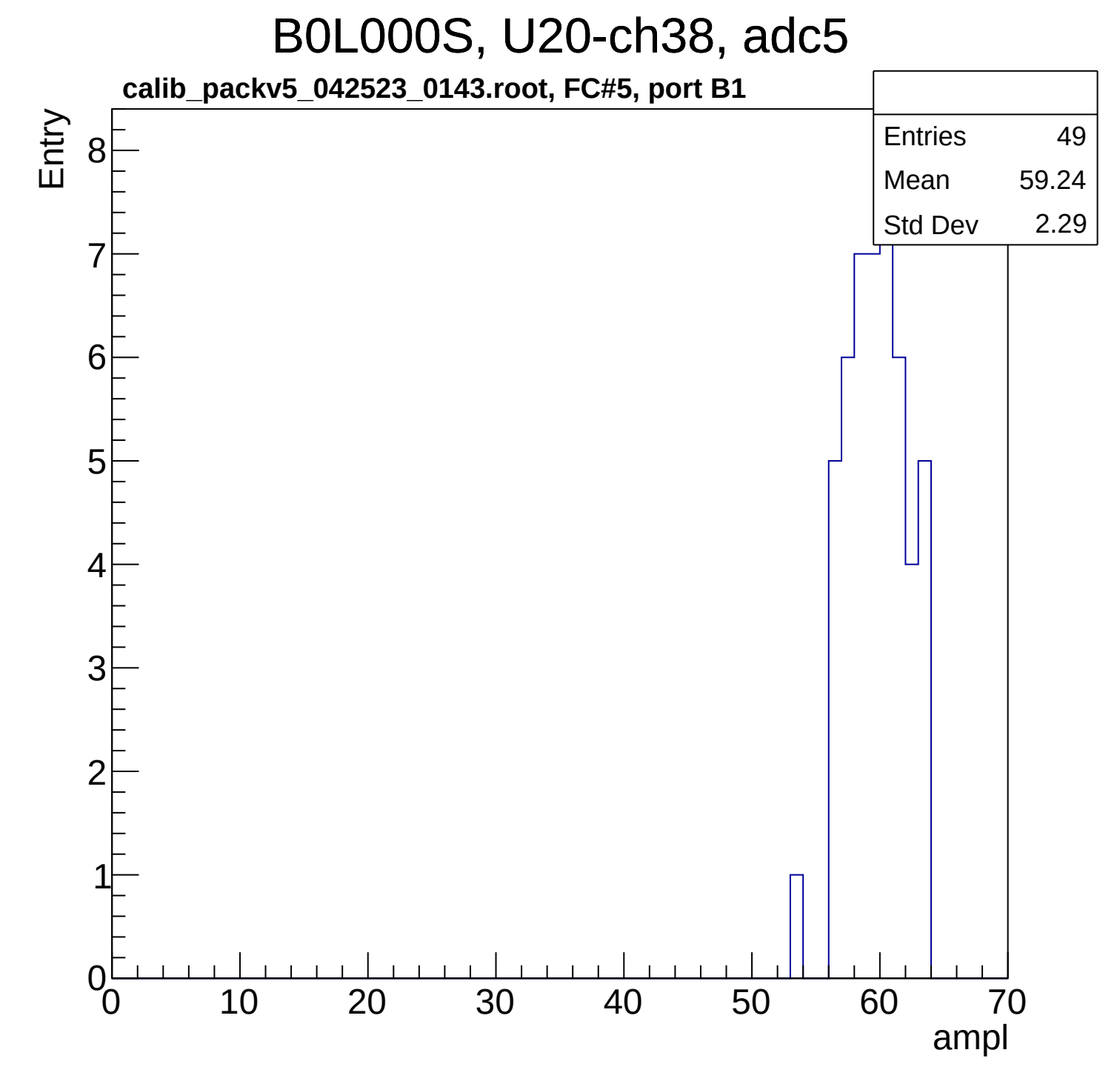
B0L000S, U20-ch38, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 59.24
Std Dev 2.29
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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60
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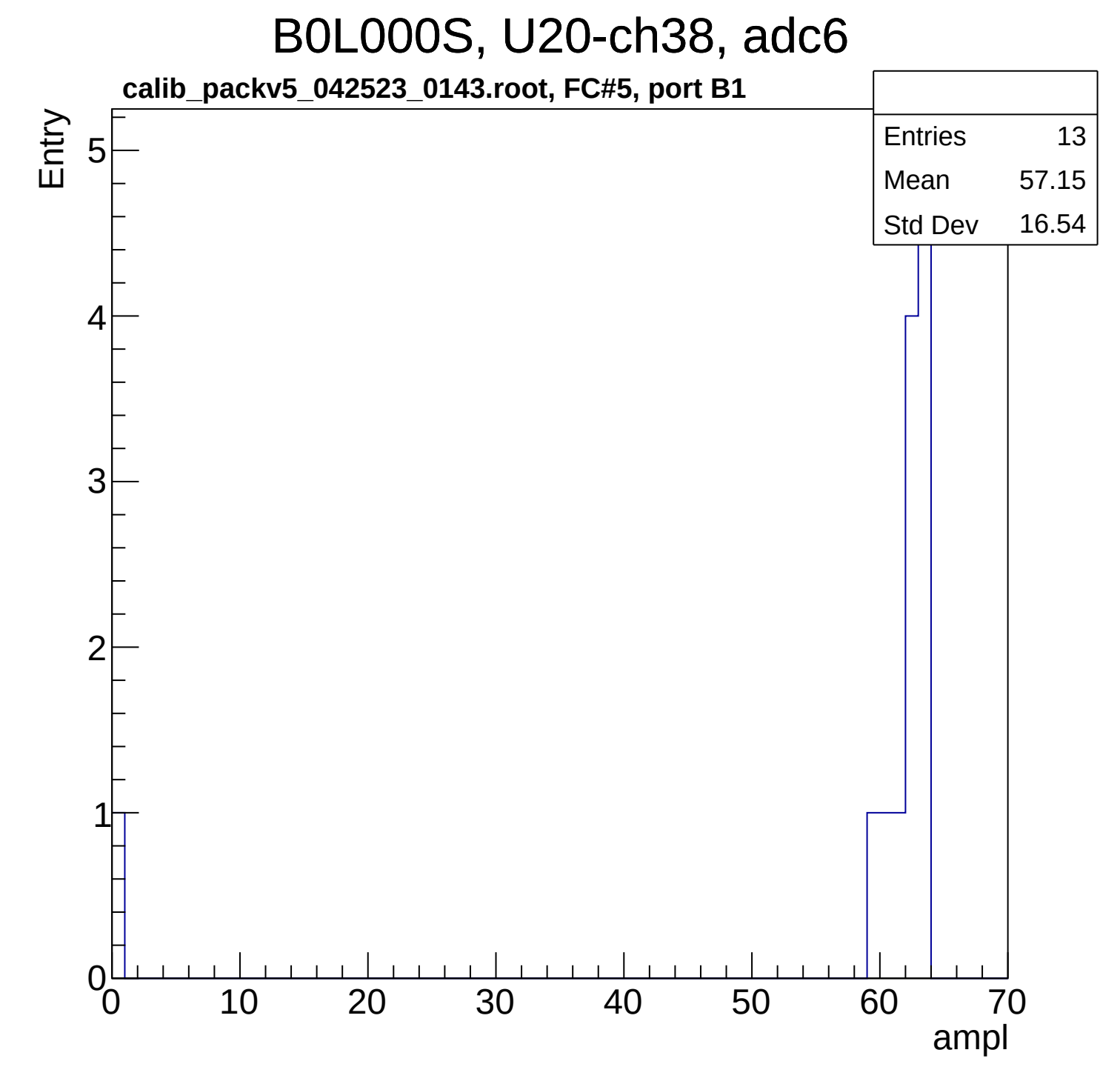
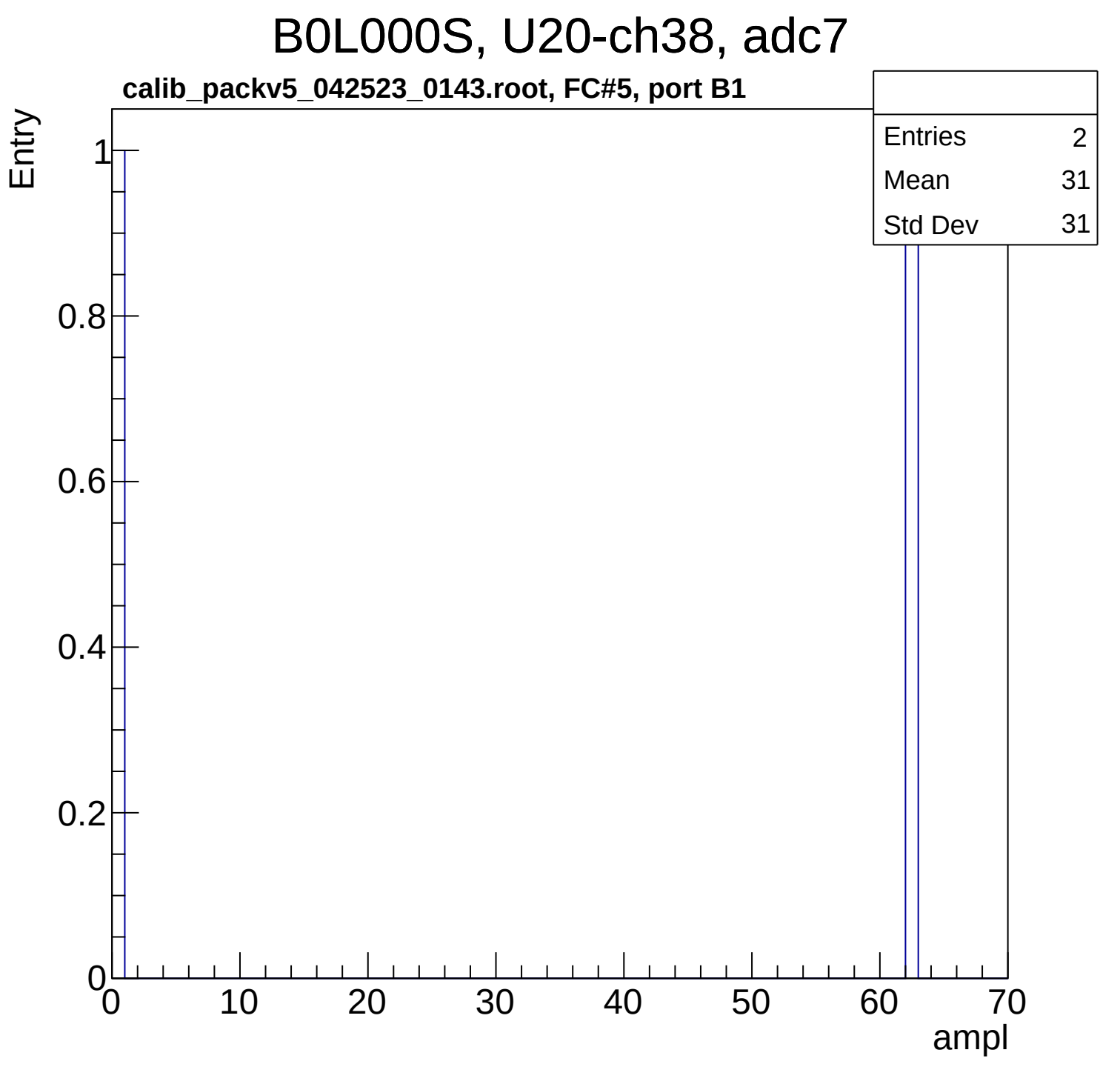
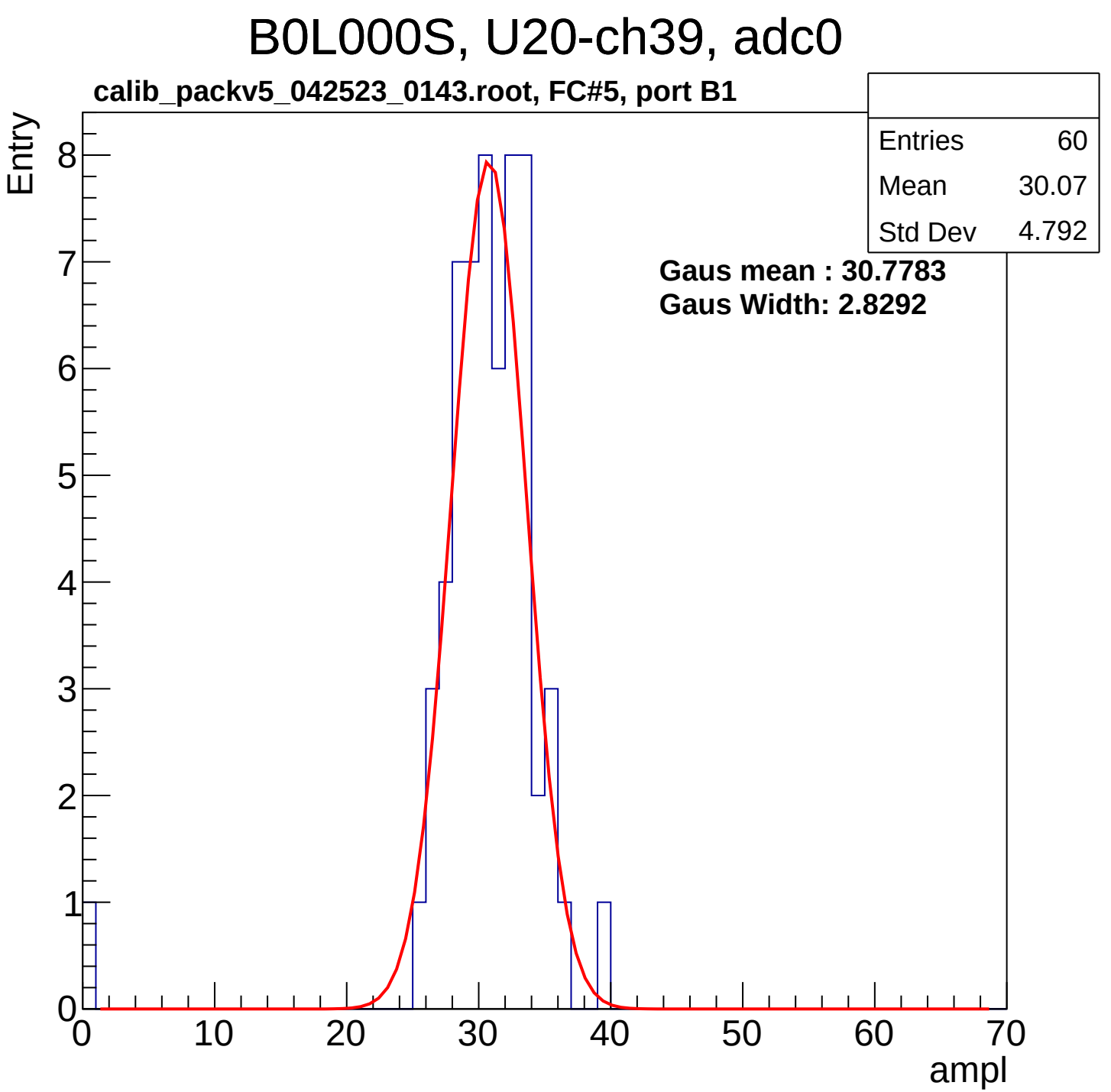

B0L000S, U20-ch38, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 57.15
Std Dev 16.54
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B0L000S, U20-ch38, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31
Std Dev 31
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch39, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 30.07
Std Dev 4.792
Gaus mean : 30.7783
Gaus Width: 2.8292
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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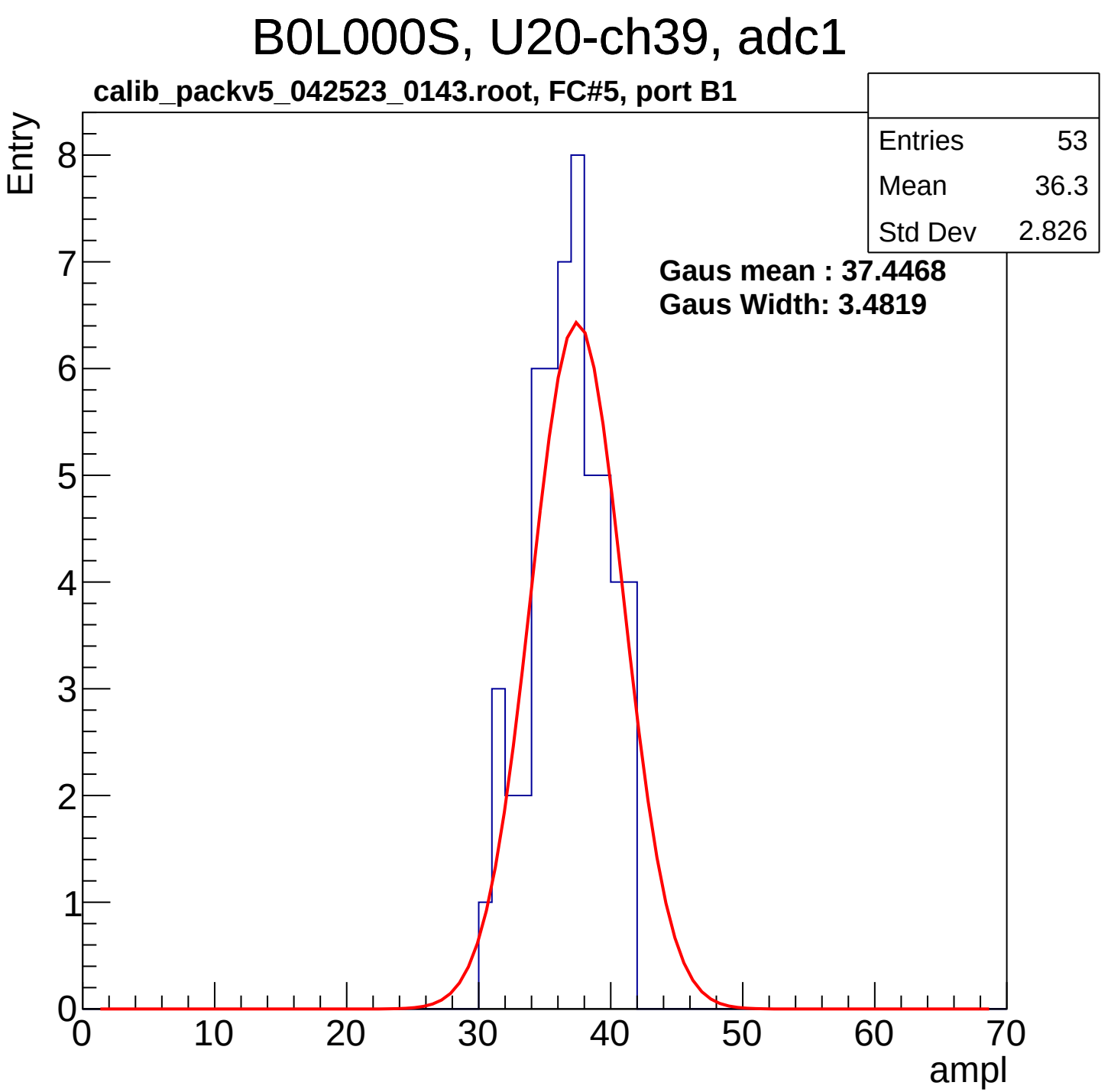
B0L000S, U20-ch39, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 36.3
Std Dev 2.826
Gaus mean : 37.4468
Gaus Width: 3.4819
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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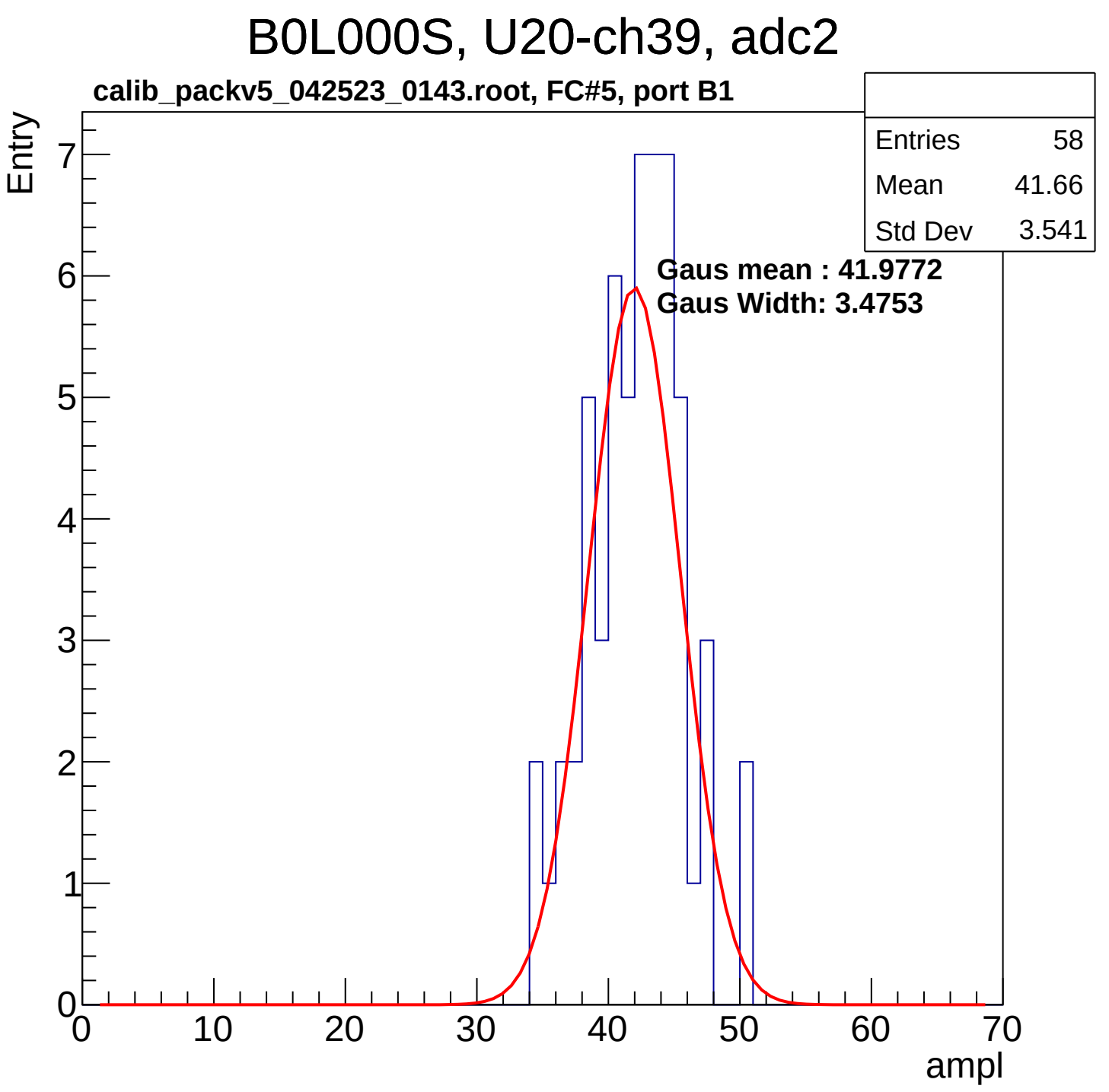
B0L000S, U20-ch39, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 41.66
Std Dev 3.541
Gaus mean : 41.9772
Gaus Width: 3.4753
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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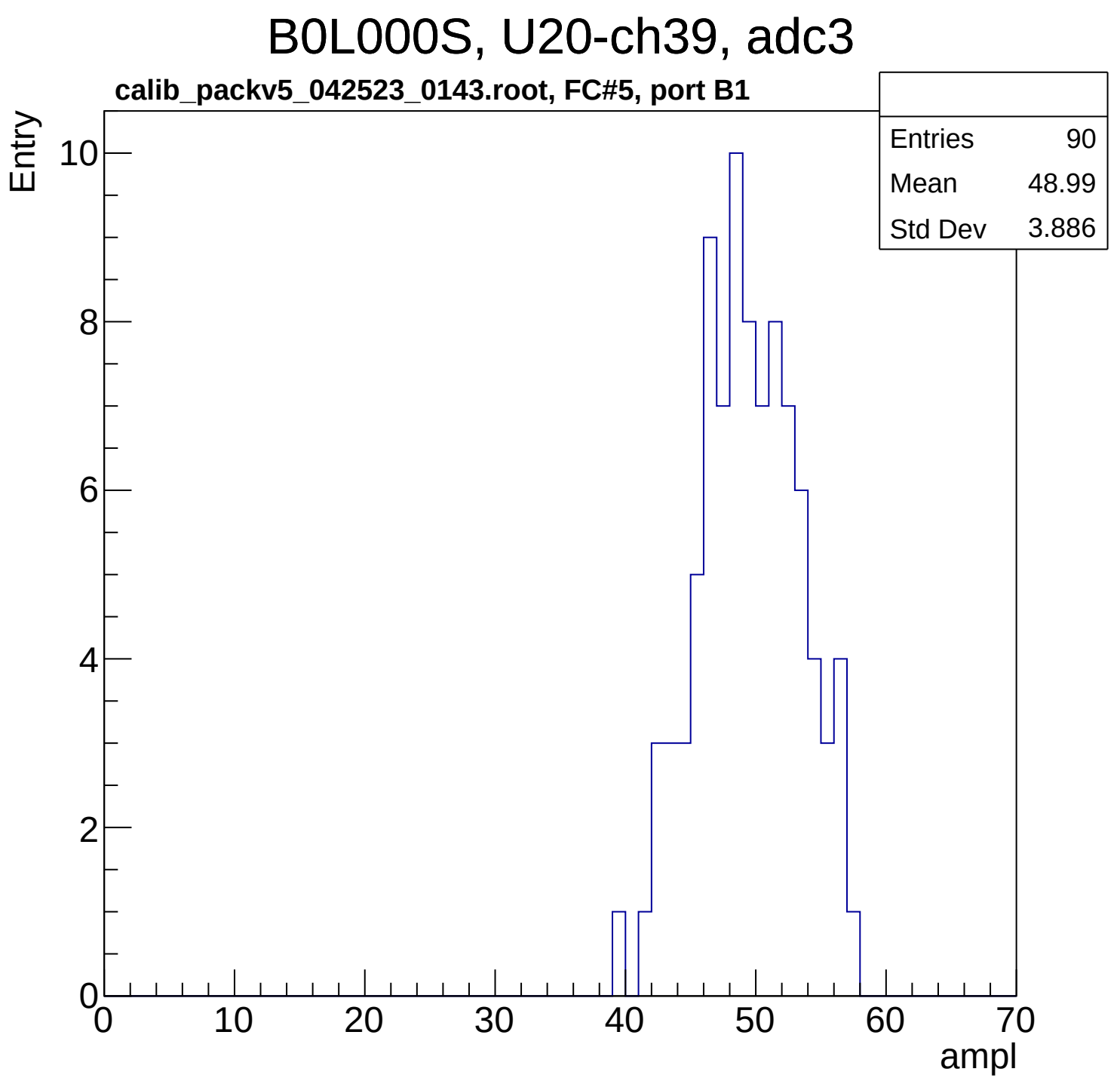
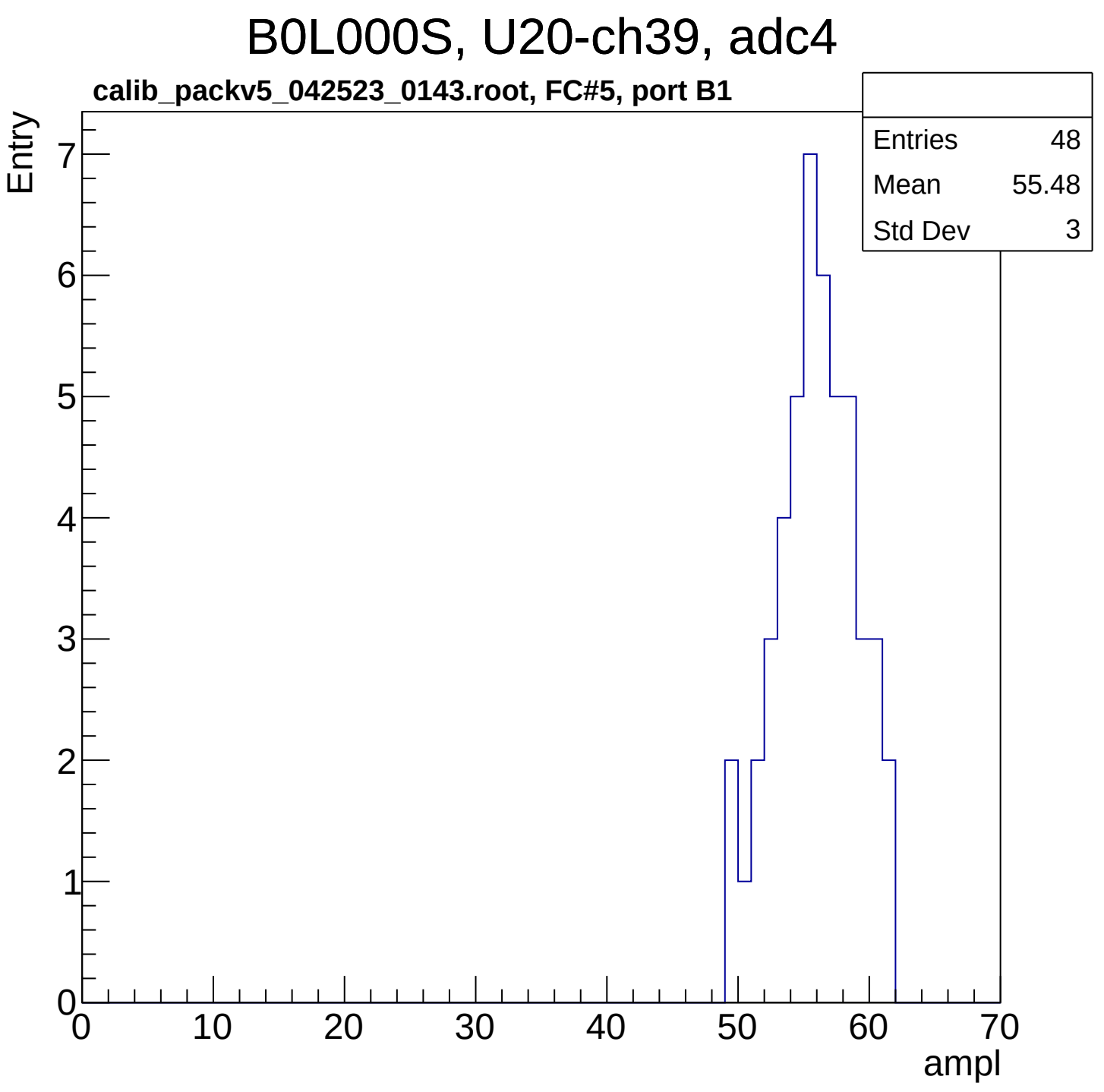
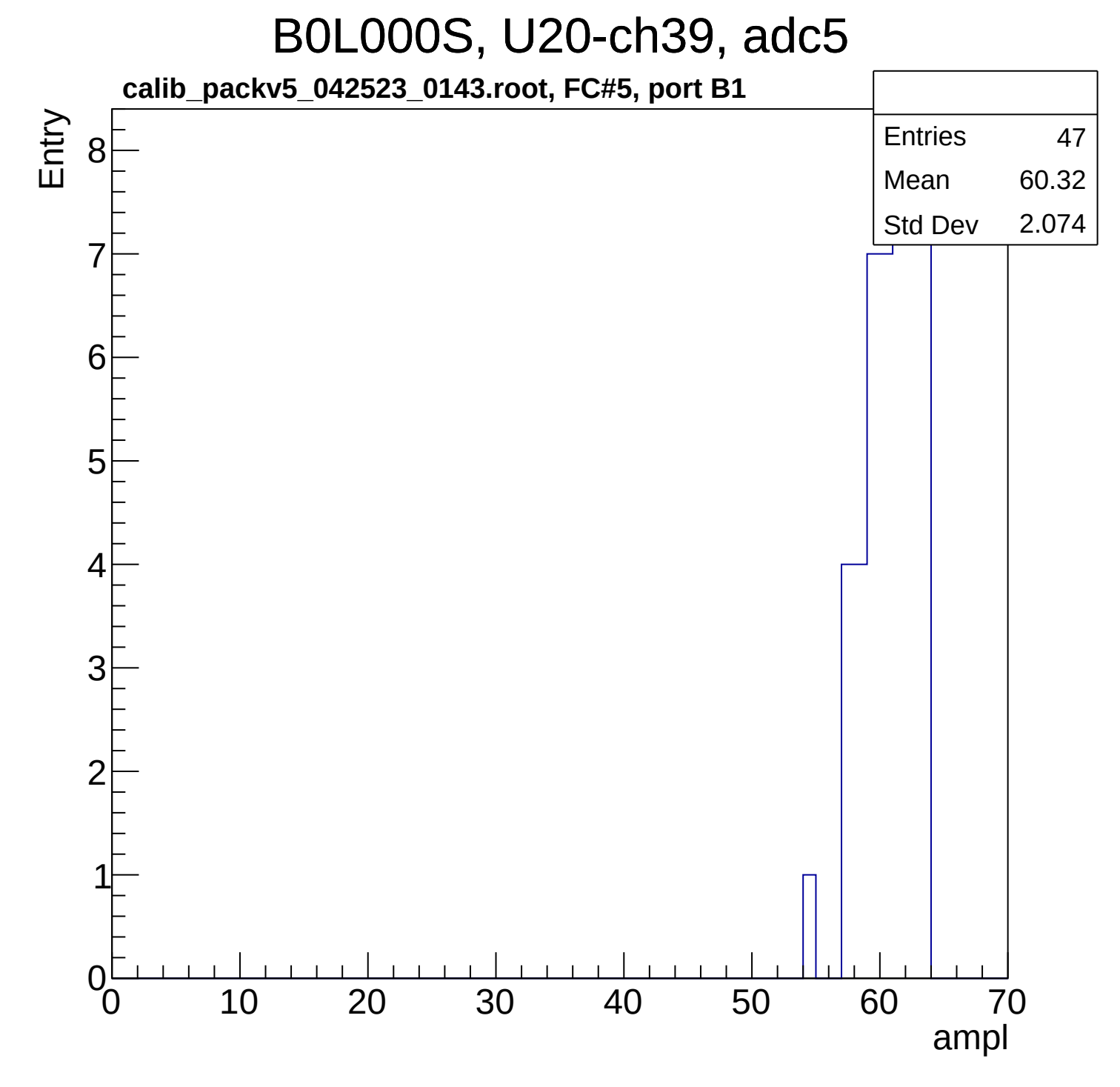

B0L000S, U20-ch39, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 90
Mean 48.99
Std Dev 3.886
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch39, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 55.48
Std Dev 3
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch39, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 60.32
Std Dev 2.074
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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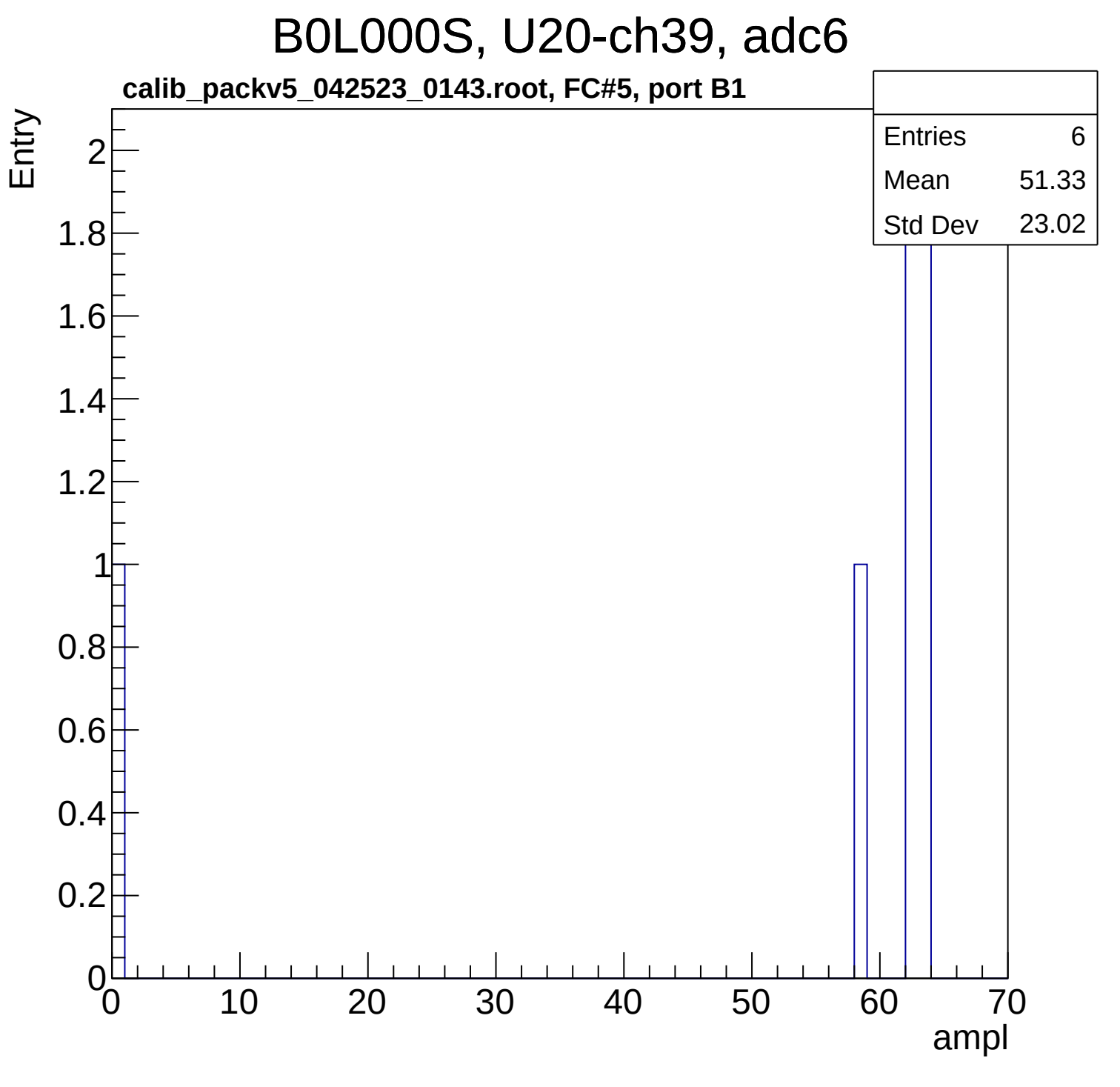
B0L000S, U20-ch39, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 51.33
Std Dev 23.02
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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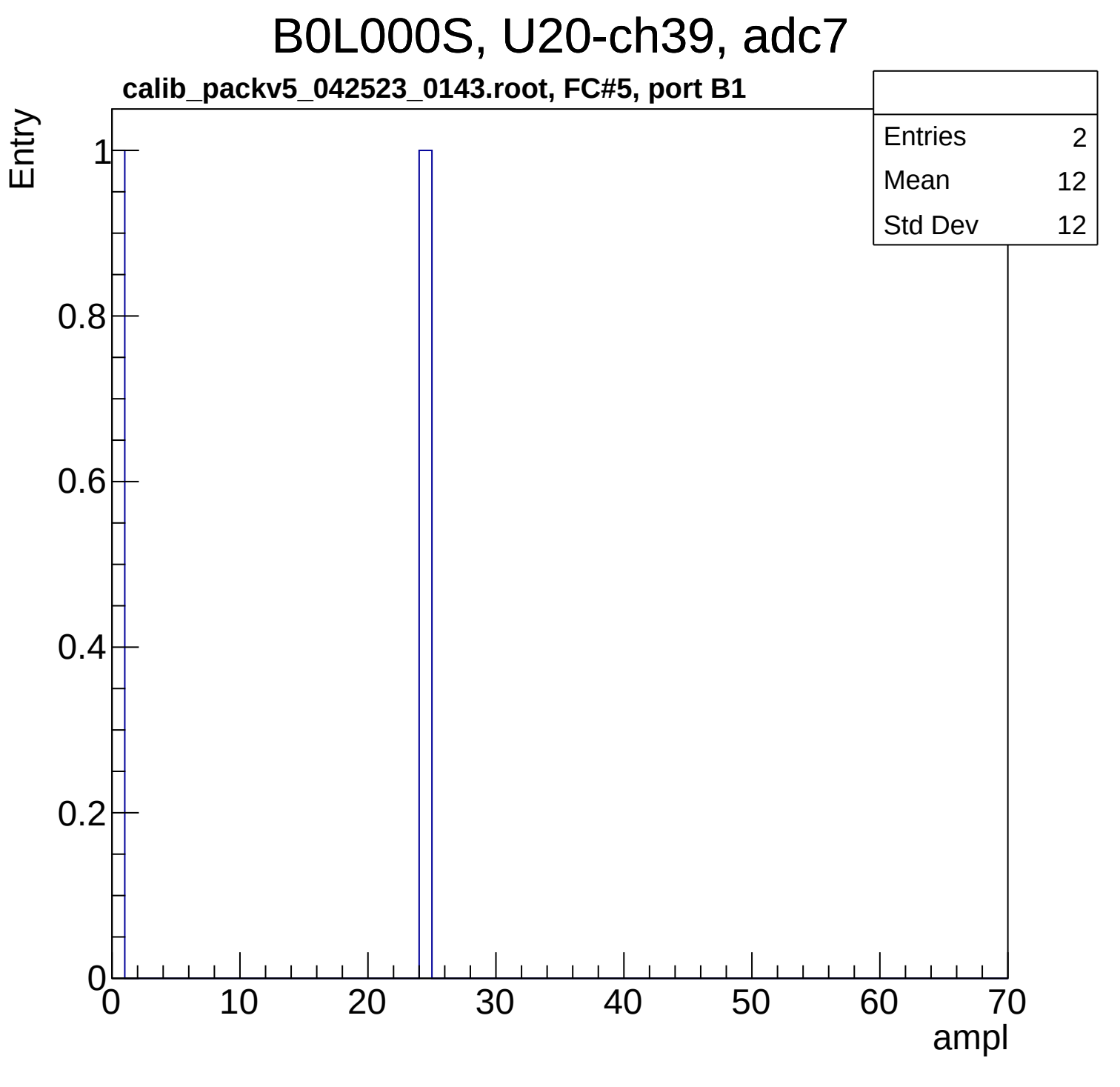
B0L000S, U20-ch39, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 12
Std Dev 12
Entry
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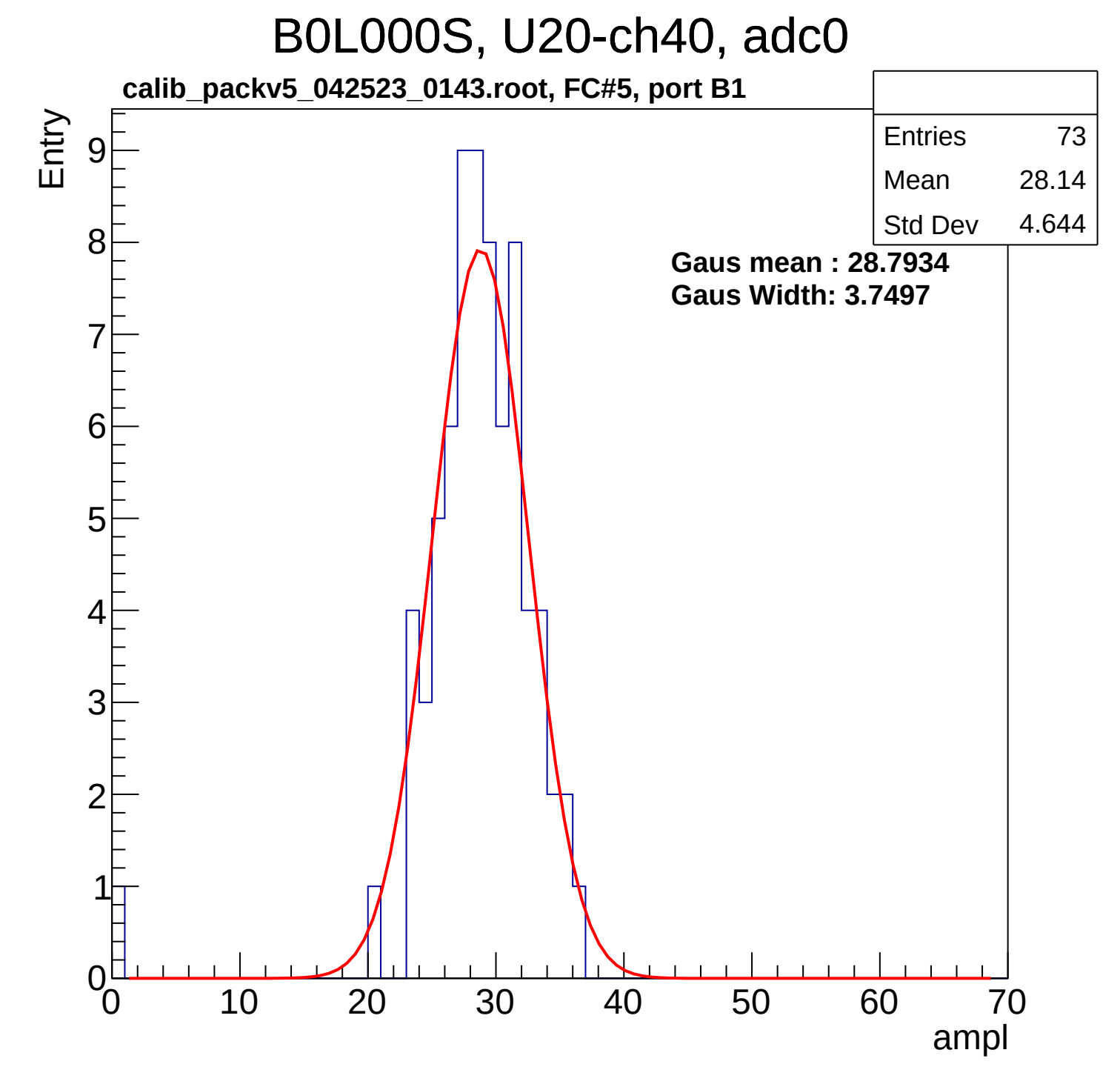
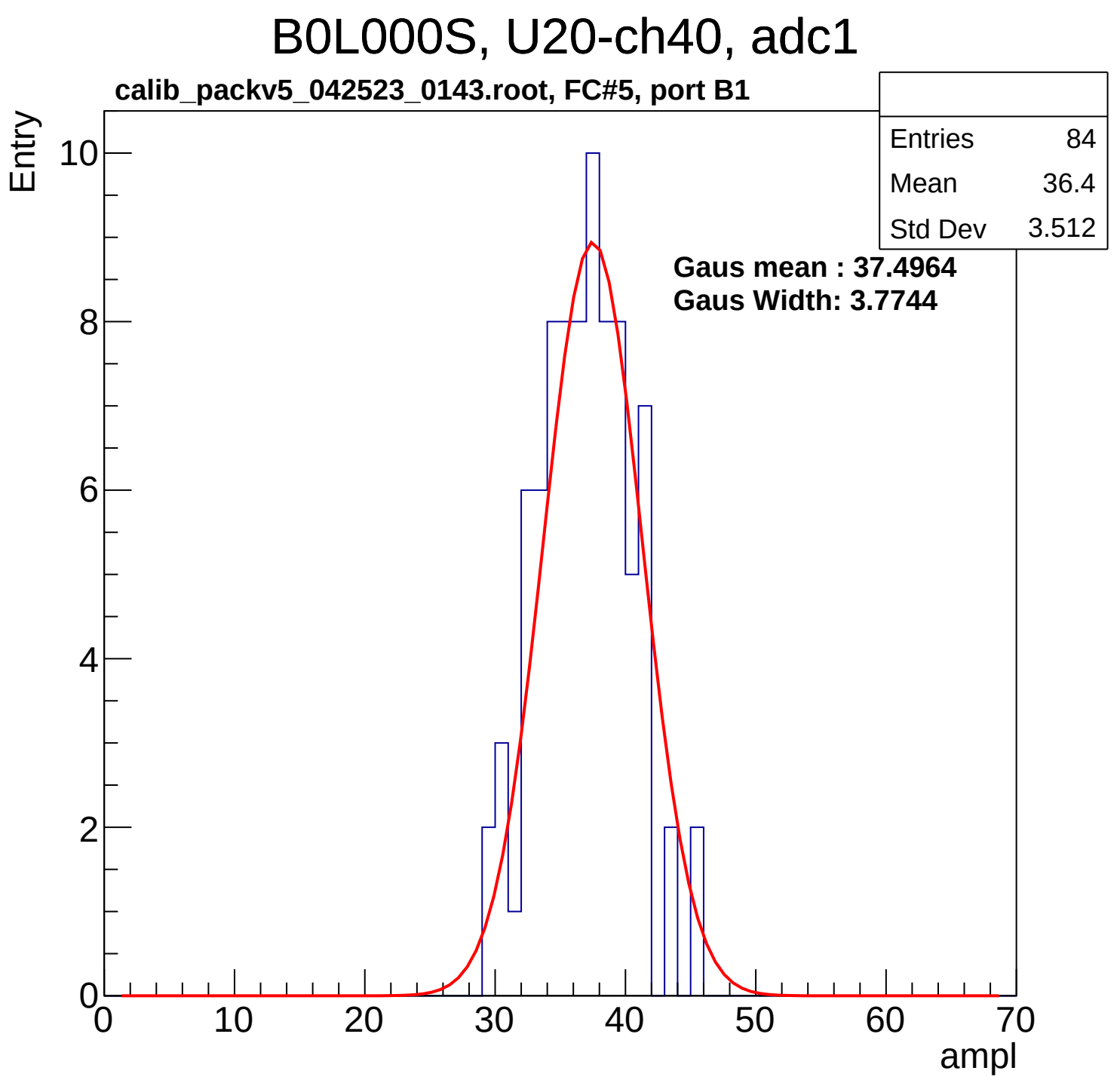
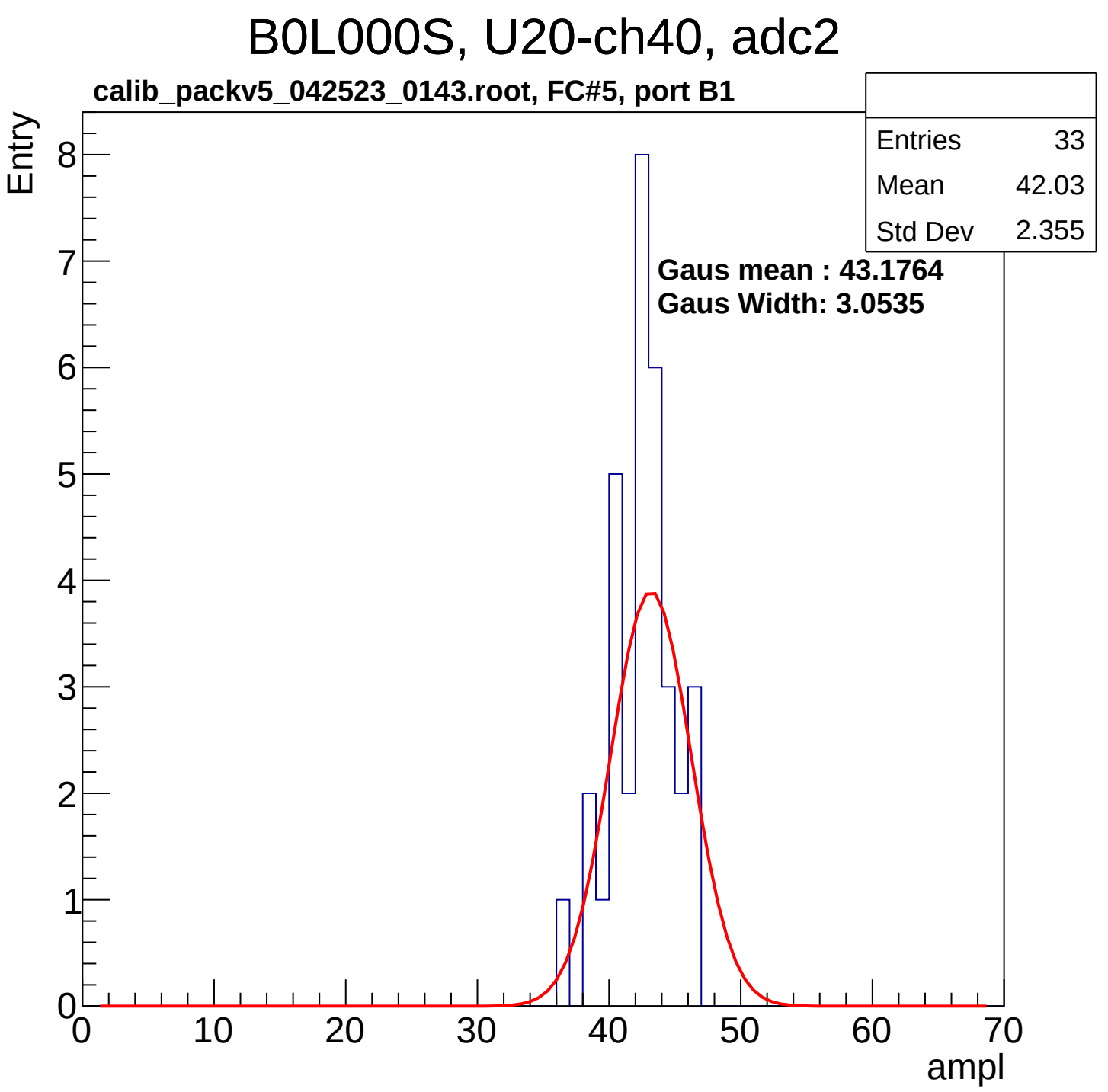
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch40, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 28.14
Std Dev 4.644
Gaus mean : 28.7934
Gaus Width: 3.7497
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch40, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 36.4
Std Dev 3.512
Gaus mean : 37.4964
Gaus Width: 3.7744
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch40, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 33
Mean 42.03
Std Dev 2.355
Gaus mean : 43.1764
Gaus Width: 3.0535
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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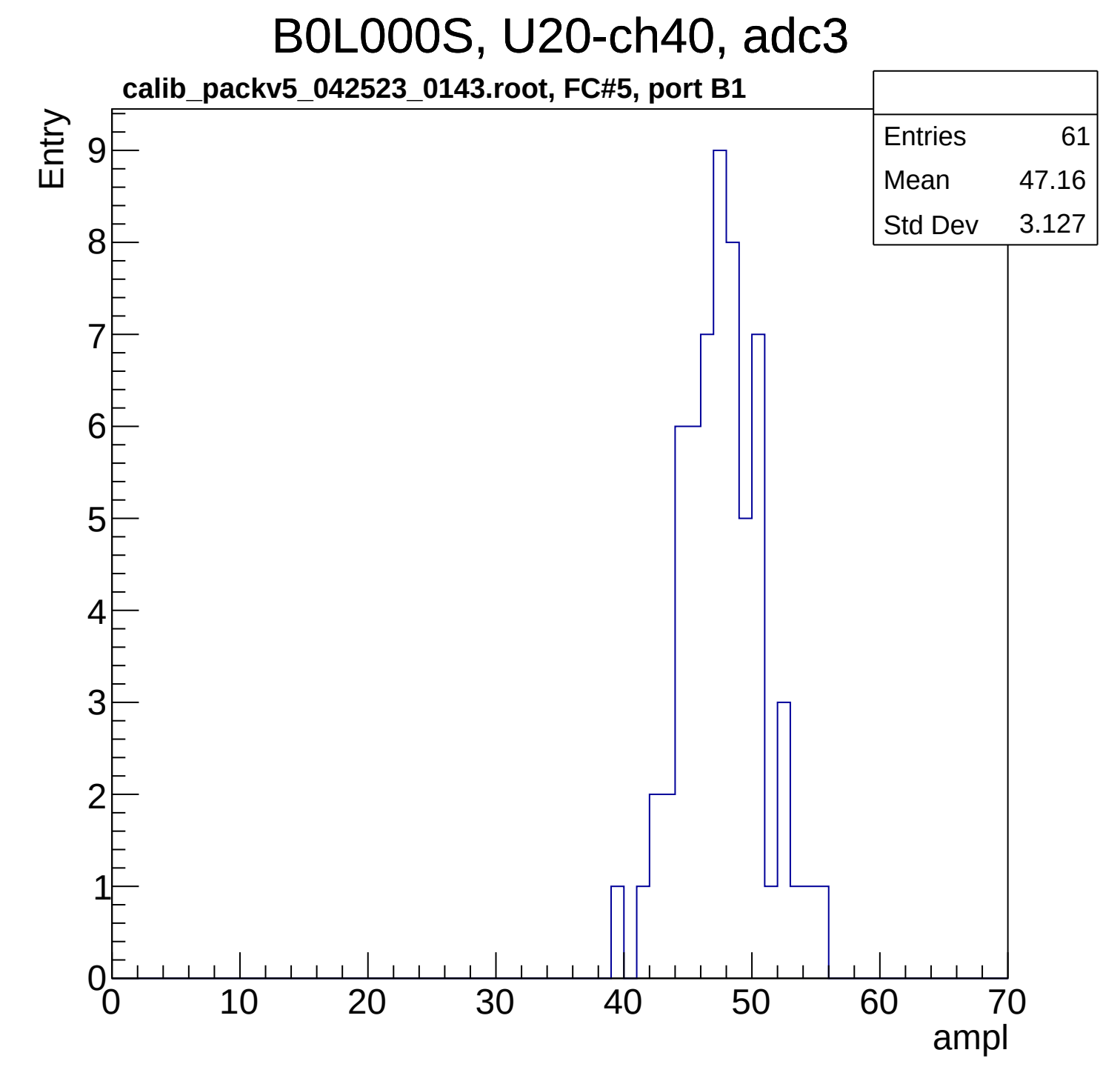
B0L000S, U20-ch40, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 47.16
Std Dev 3.127
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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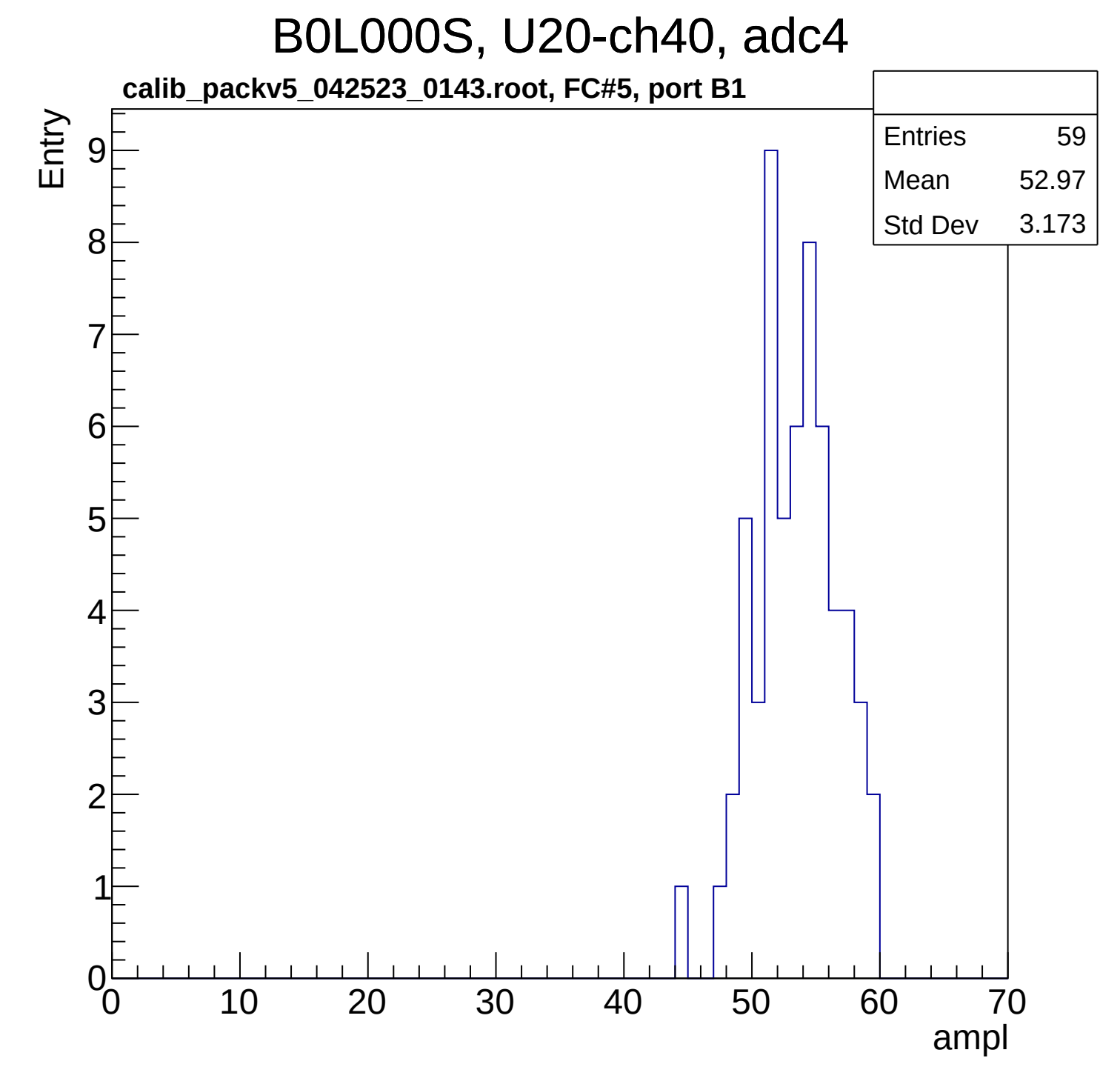
B0L000S, U20-ch40, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 52.97
Std Dev 3.173
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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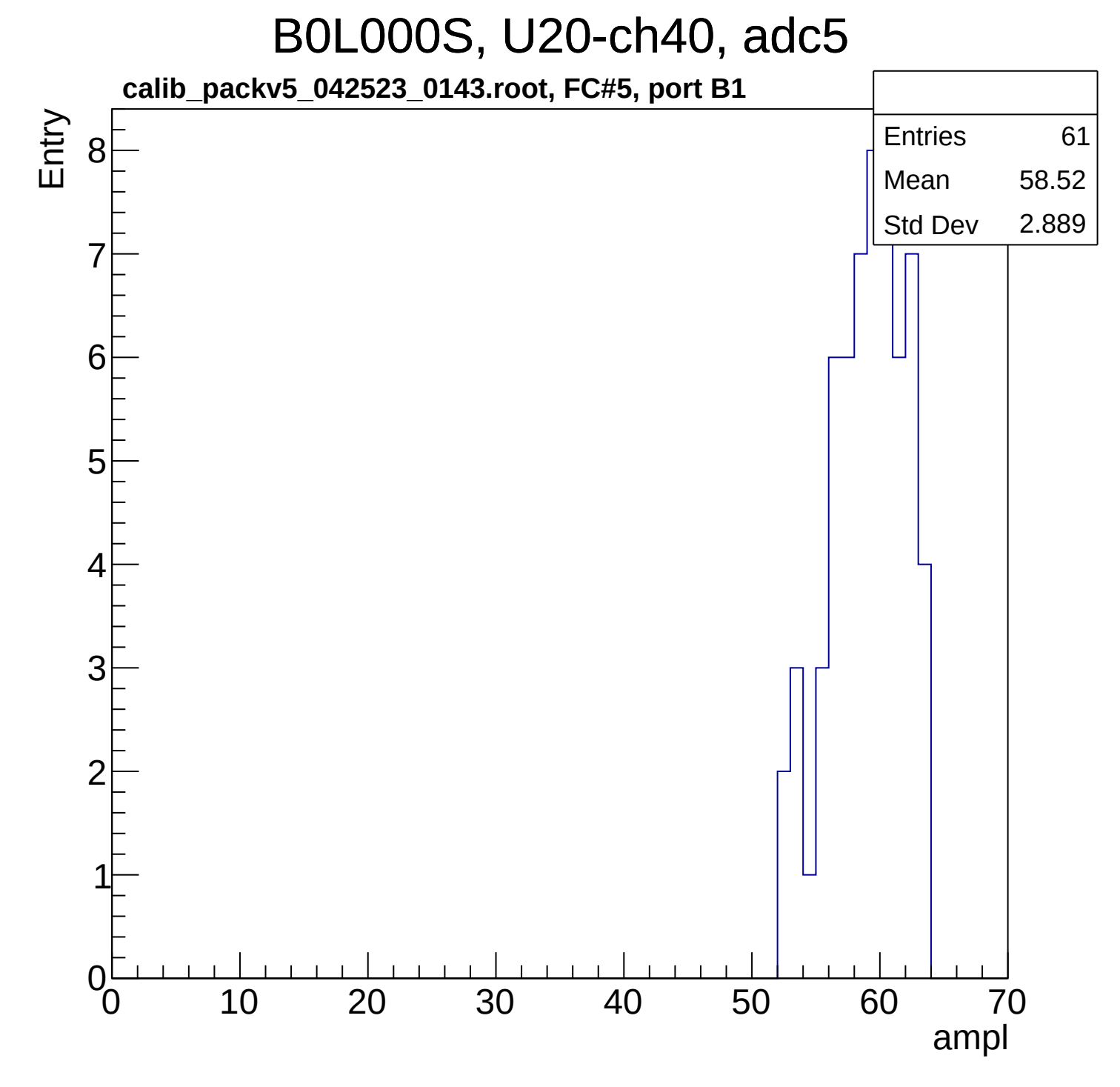
B0L000S, U20-ch40, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 58.52
Std Dev 2.889
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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40
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60
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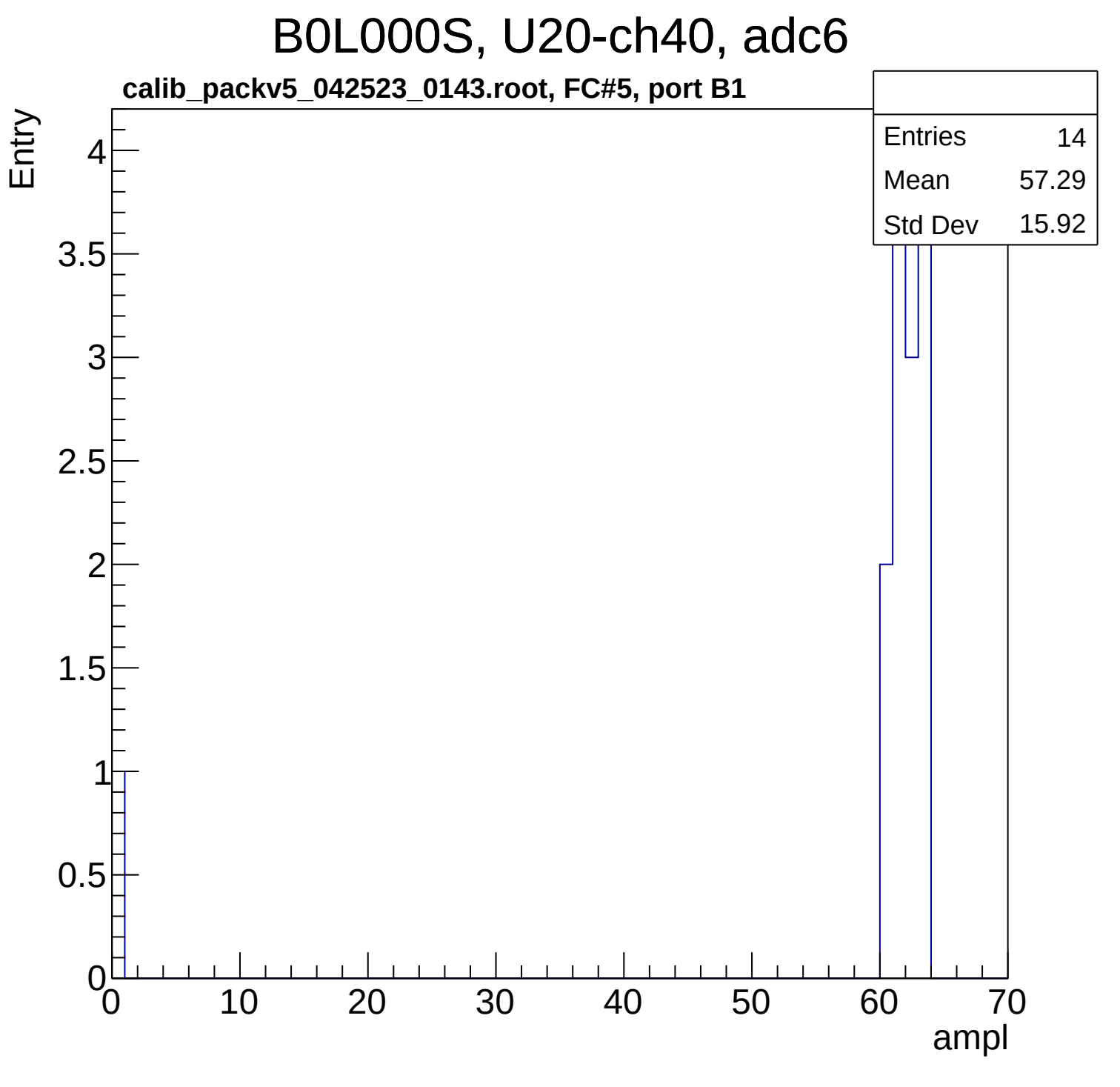
B0L000S, U20-ch40, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 14
Mean 57.29
Std Dev 15.92
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
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20
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40
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60
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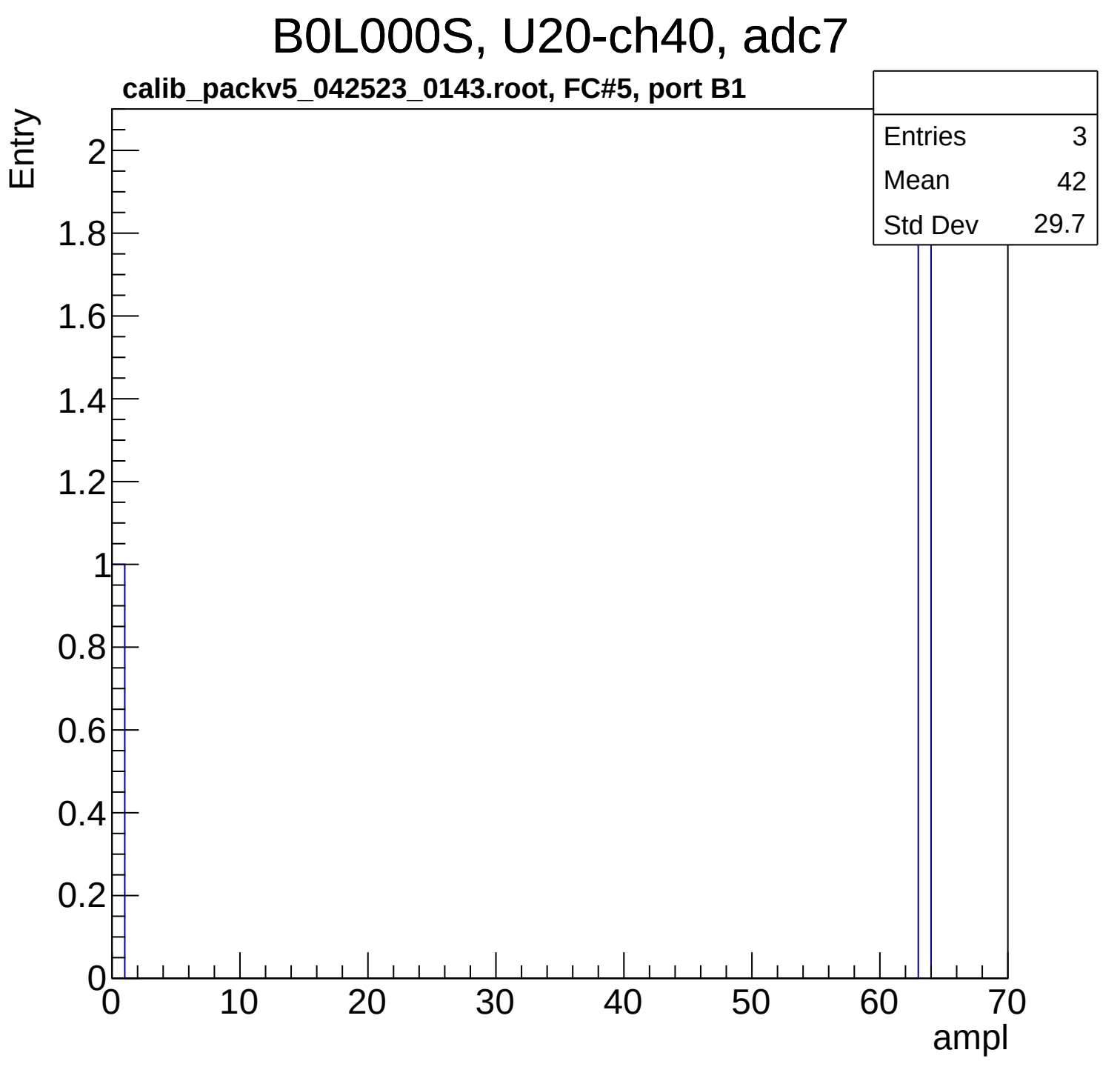
B0L000S, U20-ch40, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 42
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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40
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60
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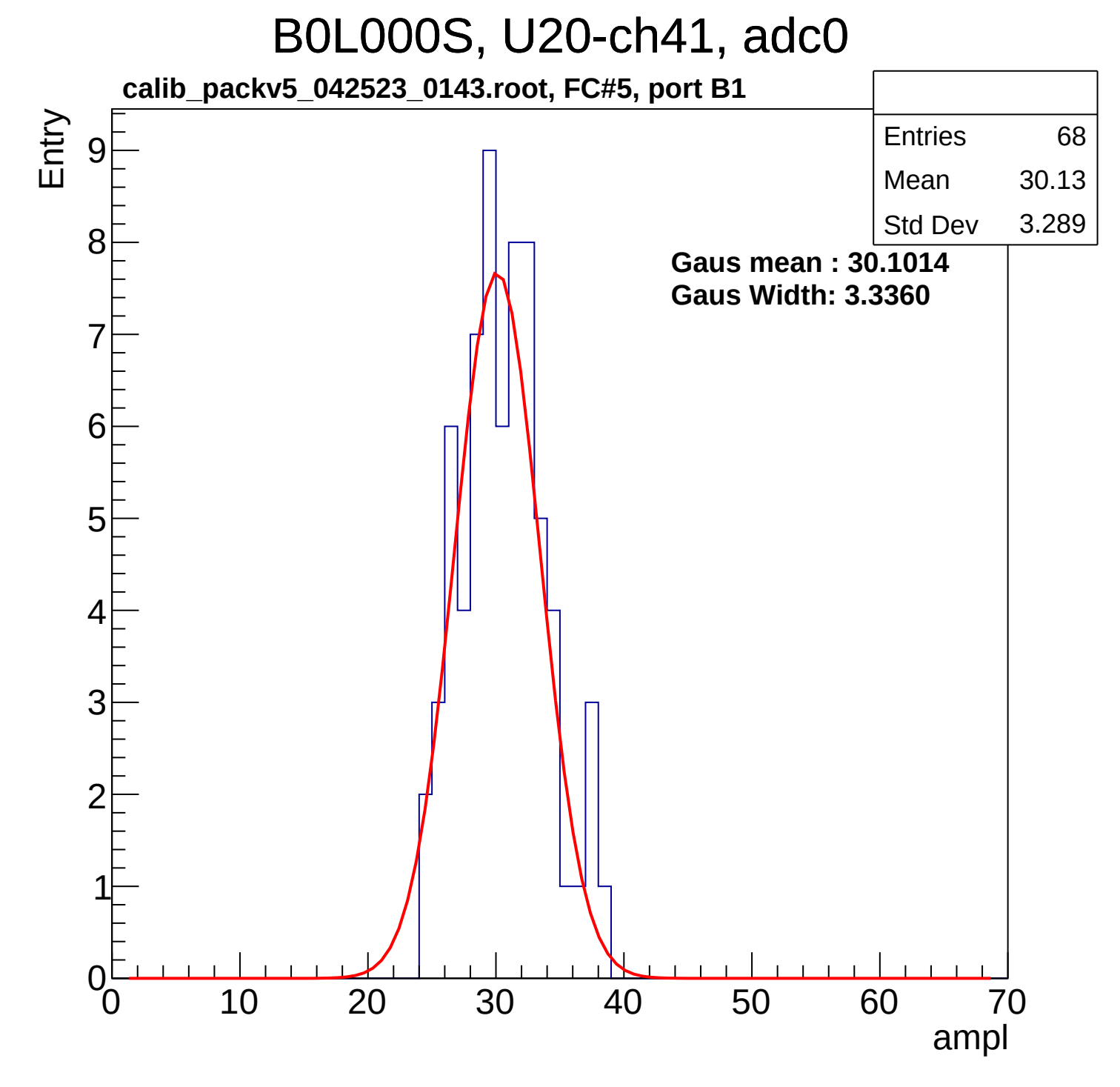
B0L000S, U20-ch41, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 30.13
Std Dev 3.289
Gaus mean : 30.1014
Gaus Width: 3.3360
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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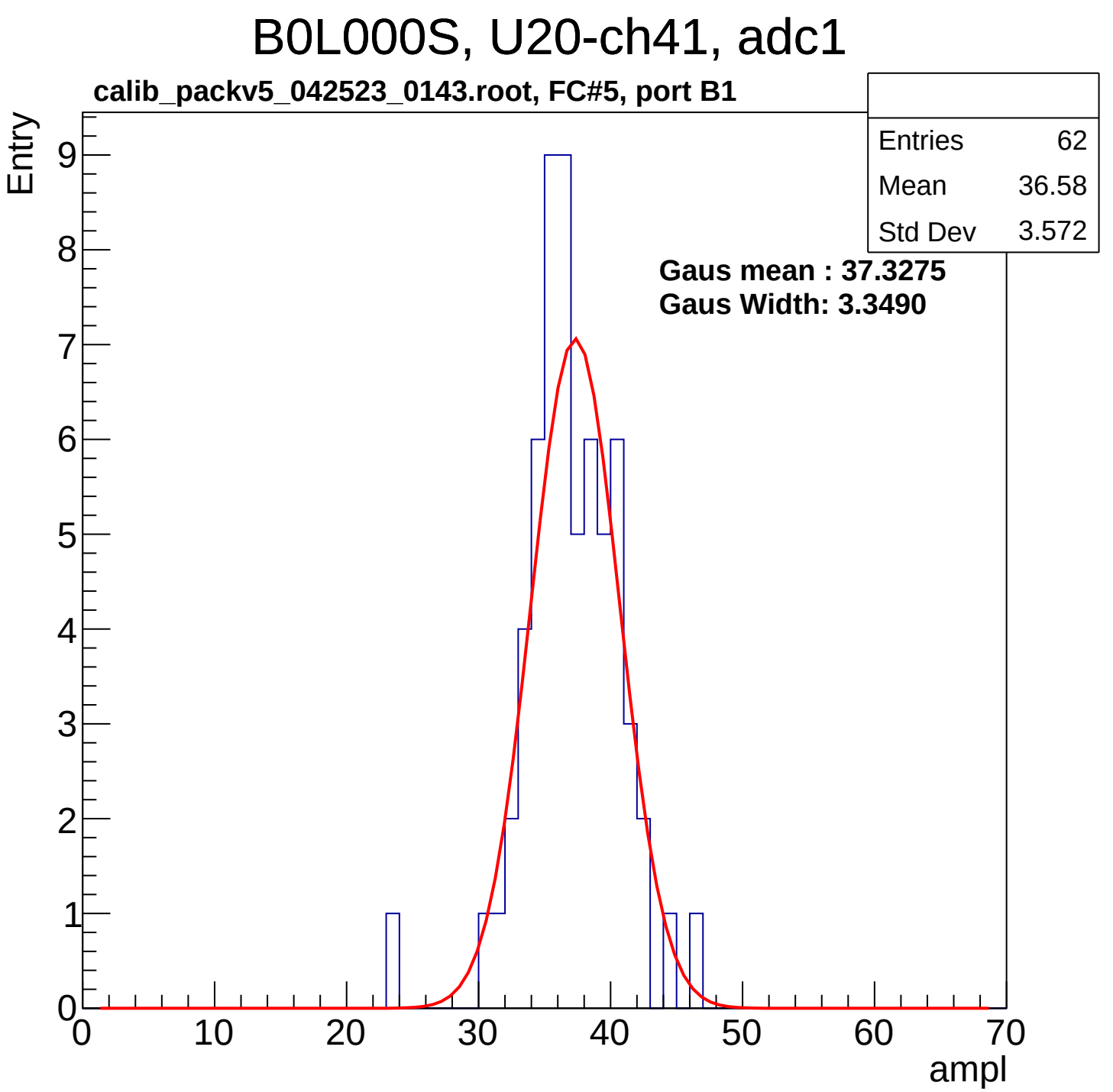
B0L000S, U20-ch41, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36.58
Std Dev 3.572
Gaus mean : 37.3275
Gaus Width: 3.3490
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
30
40
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60
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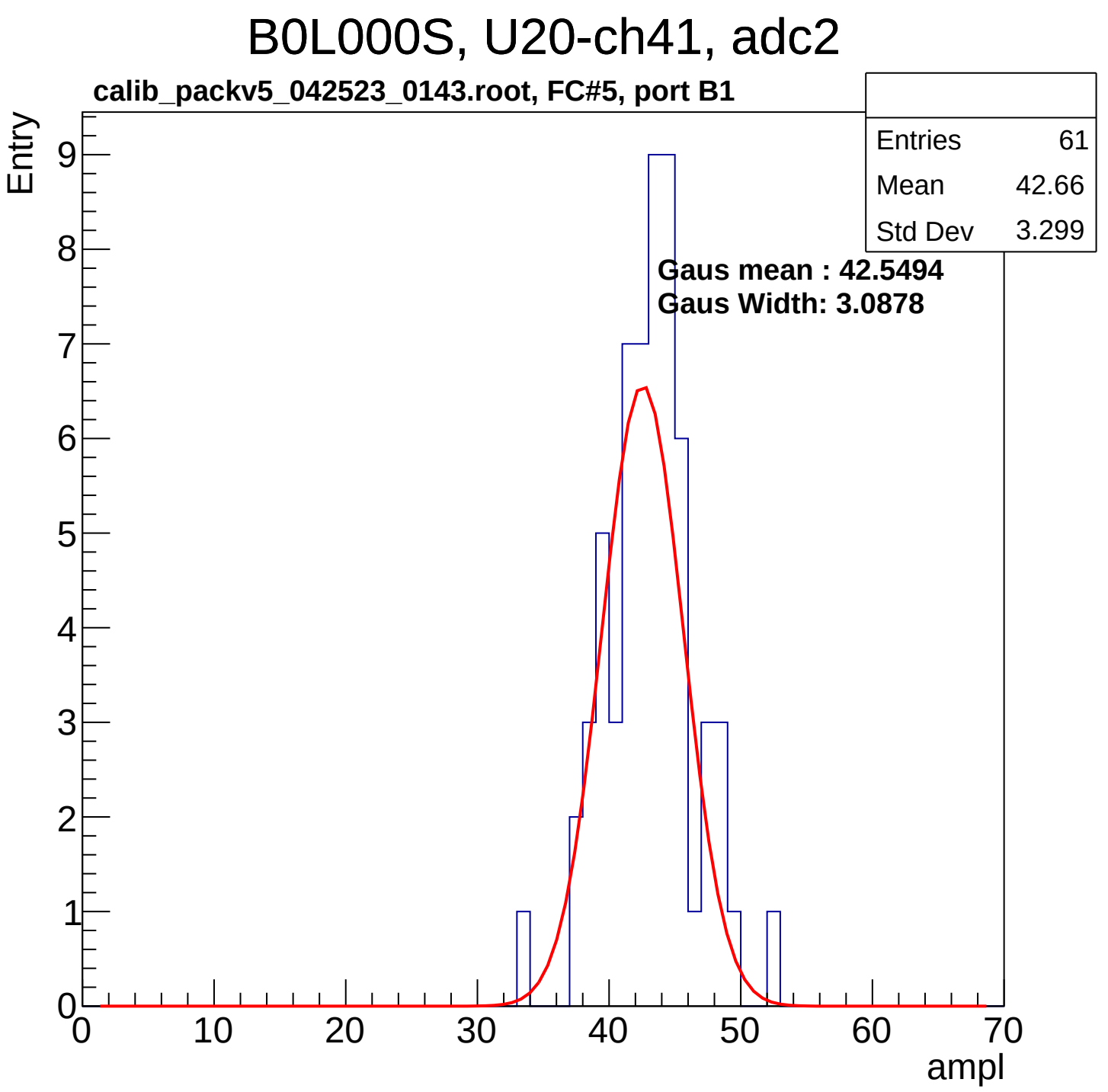
B0L000S, U20-ch41, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 42.66
Std Dev 3.299
Gaus mean : 42.5494
Gaus Width: 3.0878
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
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40
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60
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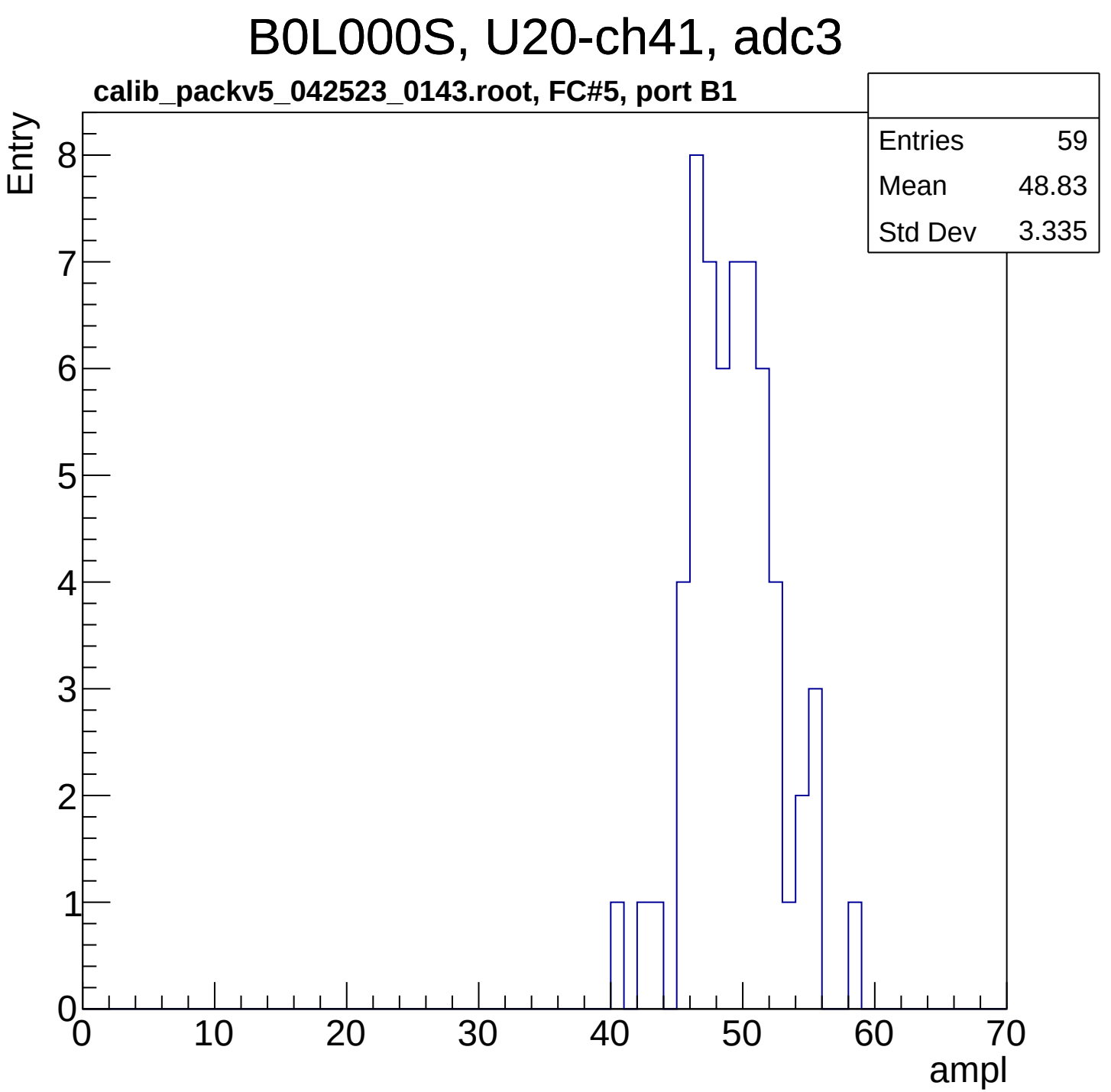
B0L000S, U20-ch41, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 48.83
Std Dev 3.335
Entry
ampl
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5
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0
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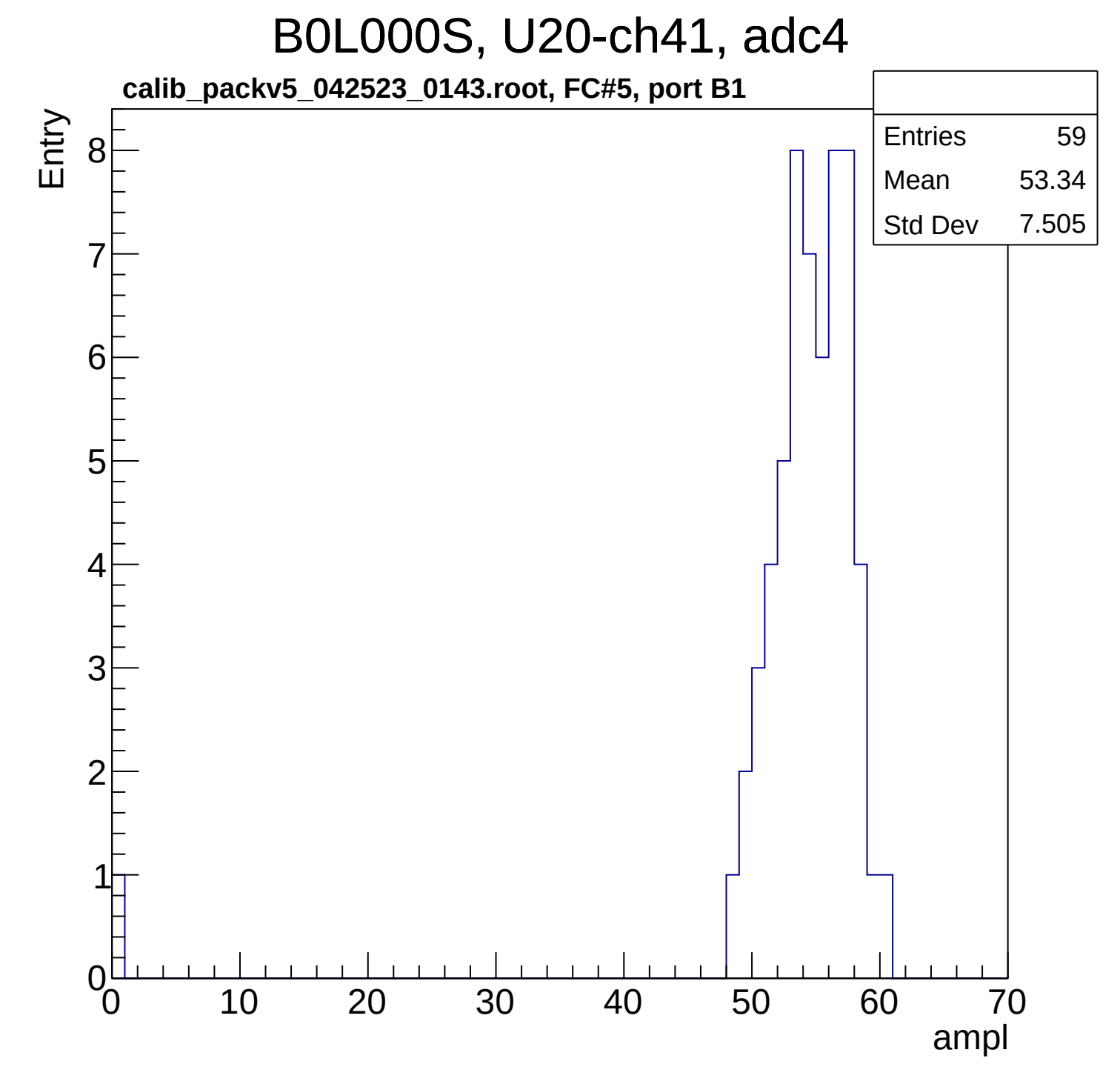
B0L000S, U20-ch41, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 53.34
Std Dev 7.505
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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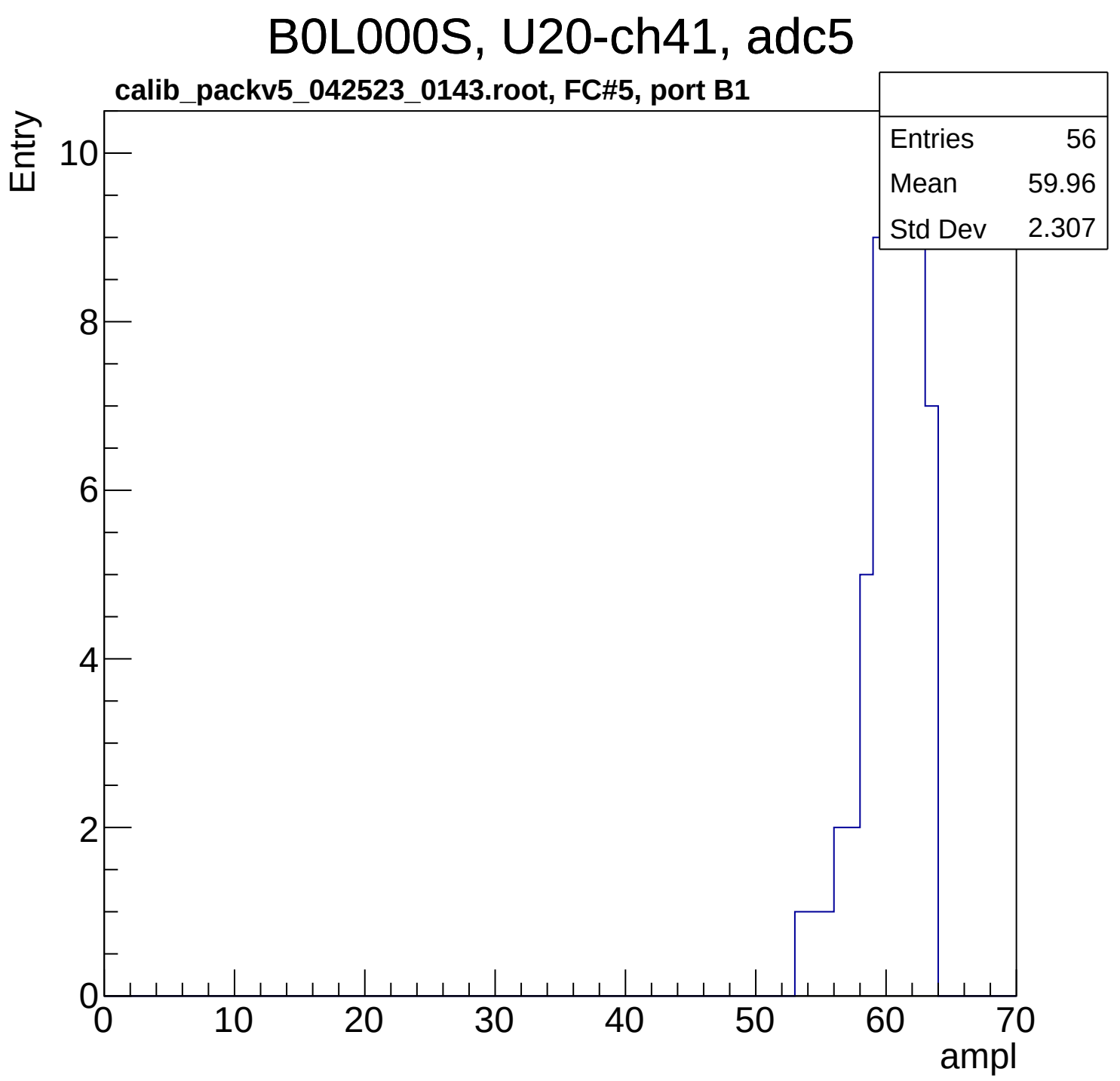
60
70


B0L000S, U20-ch41, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 59.96
Std Dev 2.307
Entry
ampl
0
2
4
6
8
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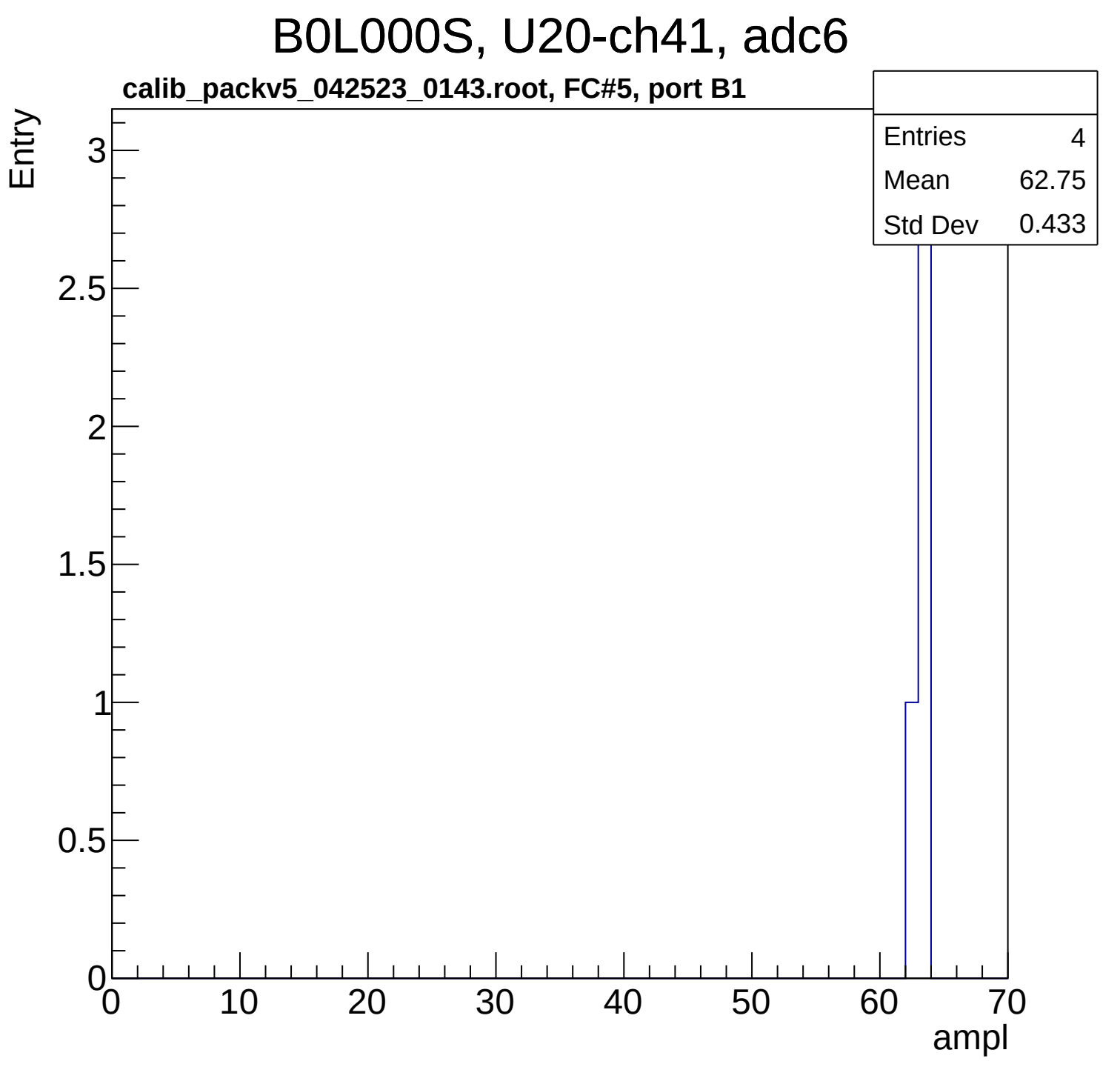
0
10
20
30
40
50
60
70


B0L000S, U20-ch41, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62.75
Std Dev 0.433
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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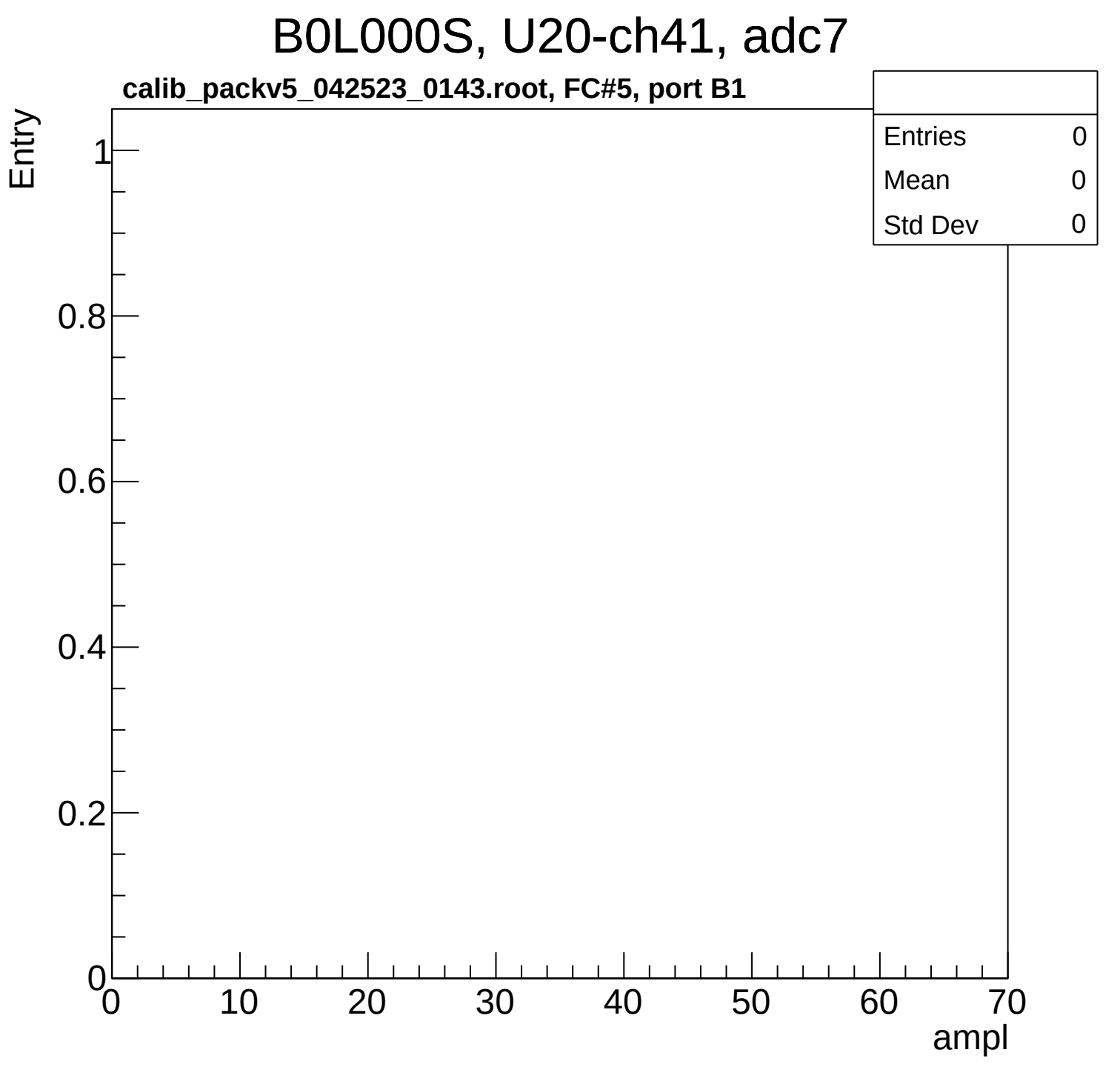
50
60
70


B0L000S, U20-ch41, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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10
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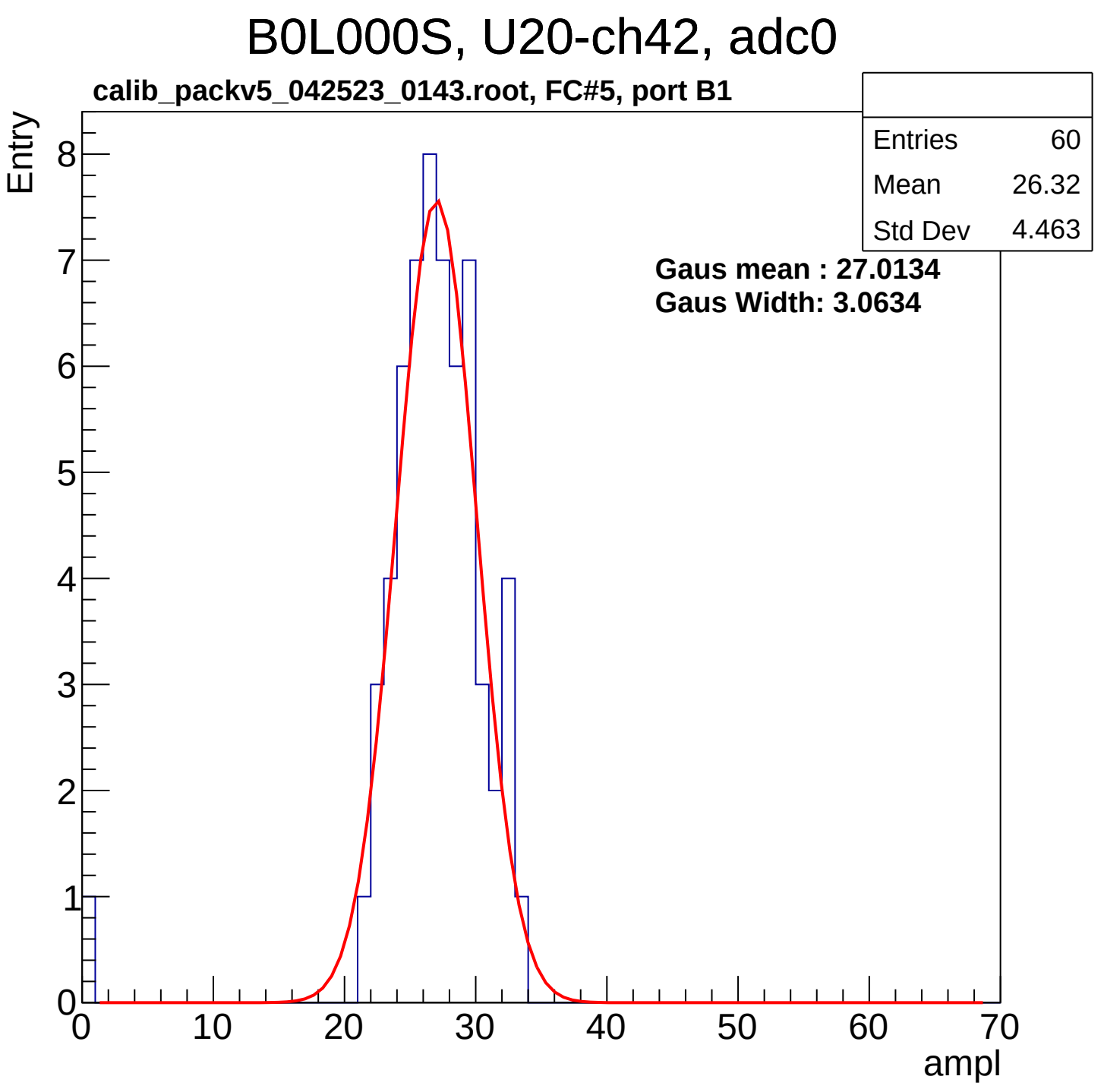
50
60
70
ampl


B0L000S, U20-ch42, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 26.32
Std Dev 4.463
Gaus mean : 27.0134
Gaus Width: 3.0634
Entry
ampl
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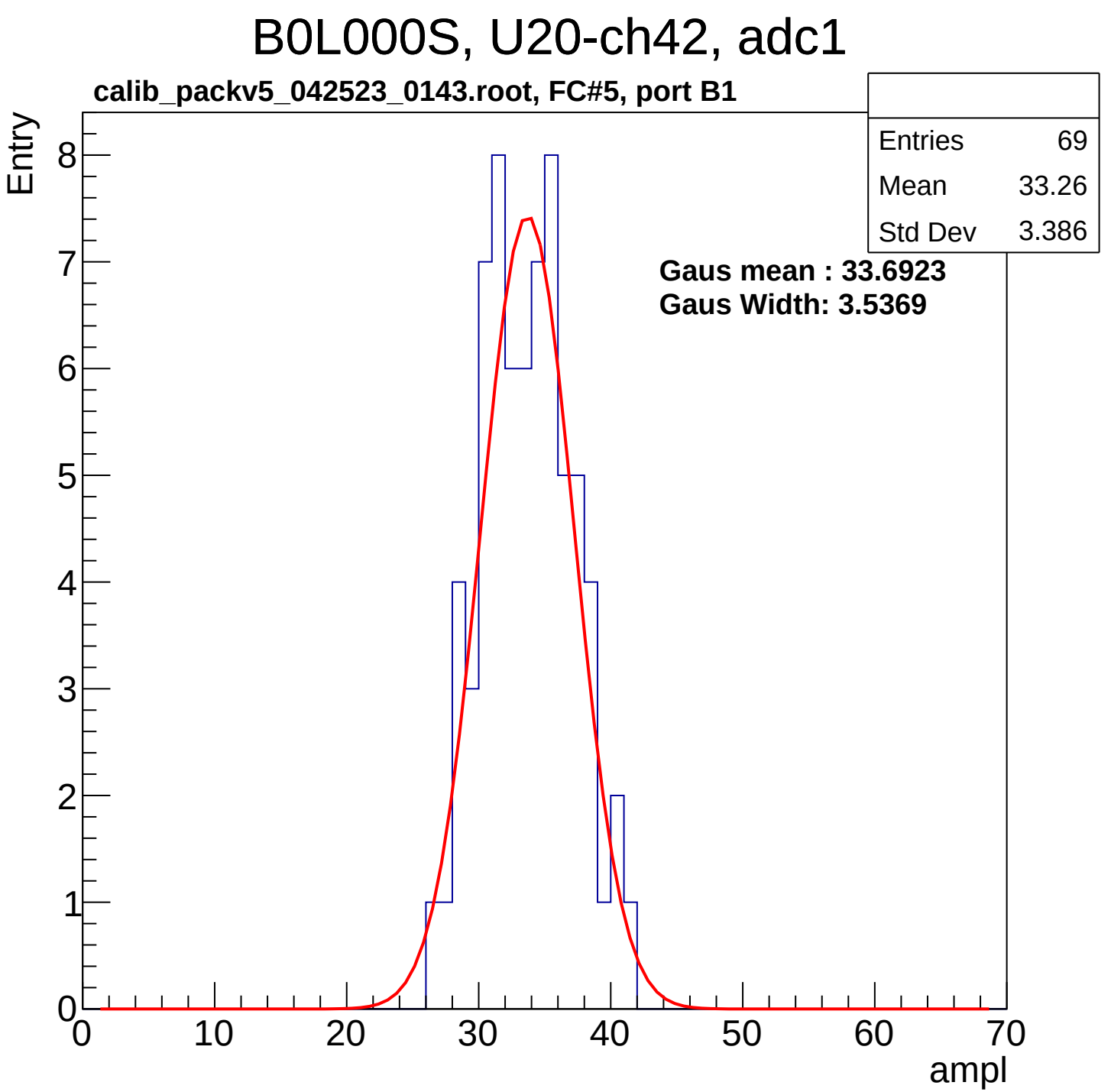
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch42, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 33.26
Std Dev 3.386
Gaus mean : 33.6923
Gaus Width: 3.5369
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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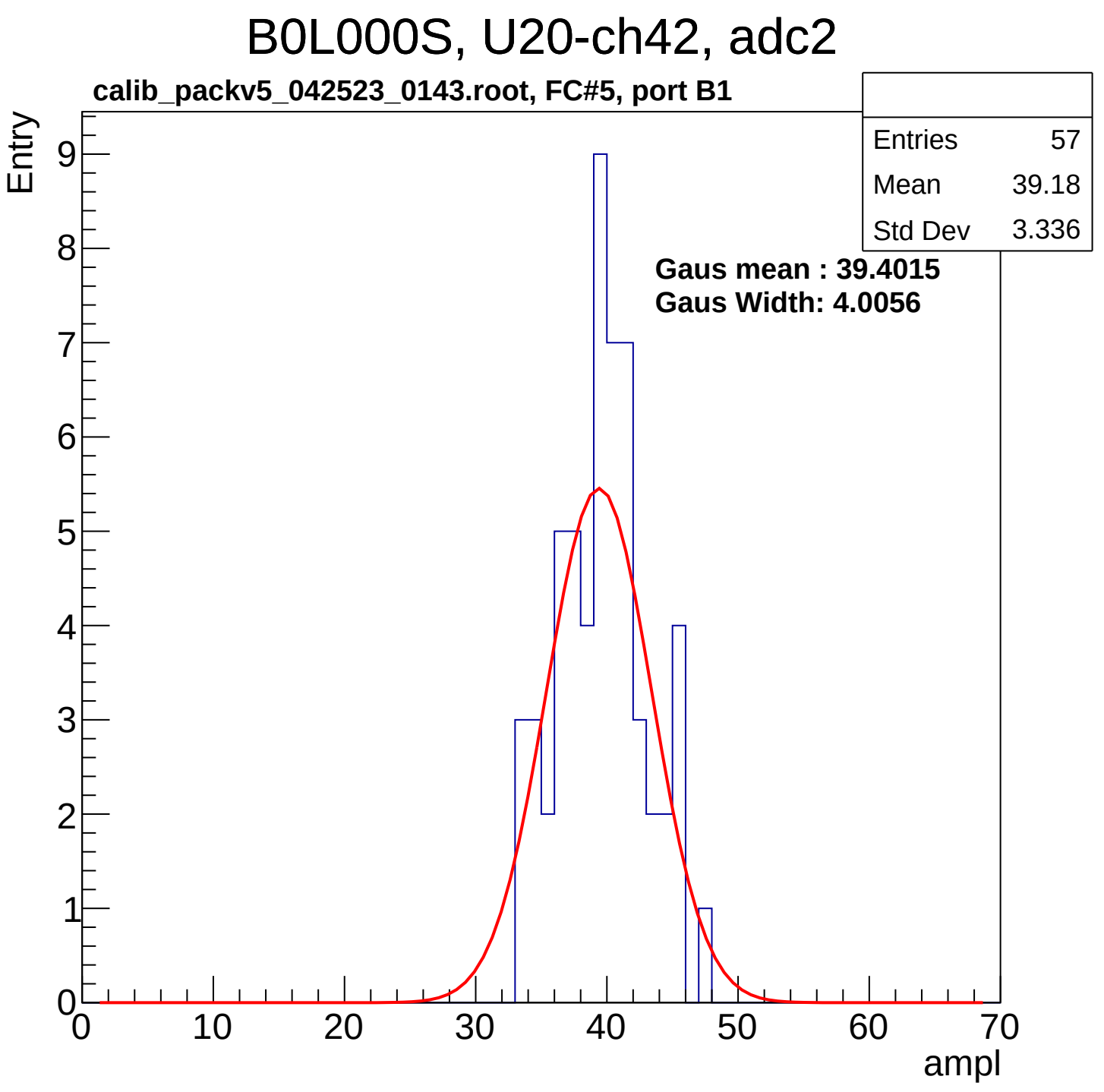
40
50
60
70


B0L000S, U20-ch42, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 39.18
Std Dev 3.336
Gaus mean : 39.4015
Gaus Width: 4.0056
Entry
ampl
0
1
2
3
4
5
6
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0
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60
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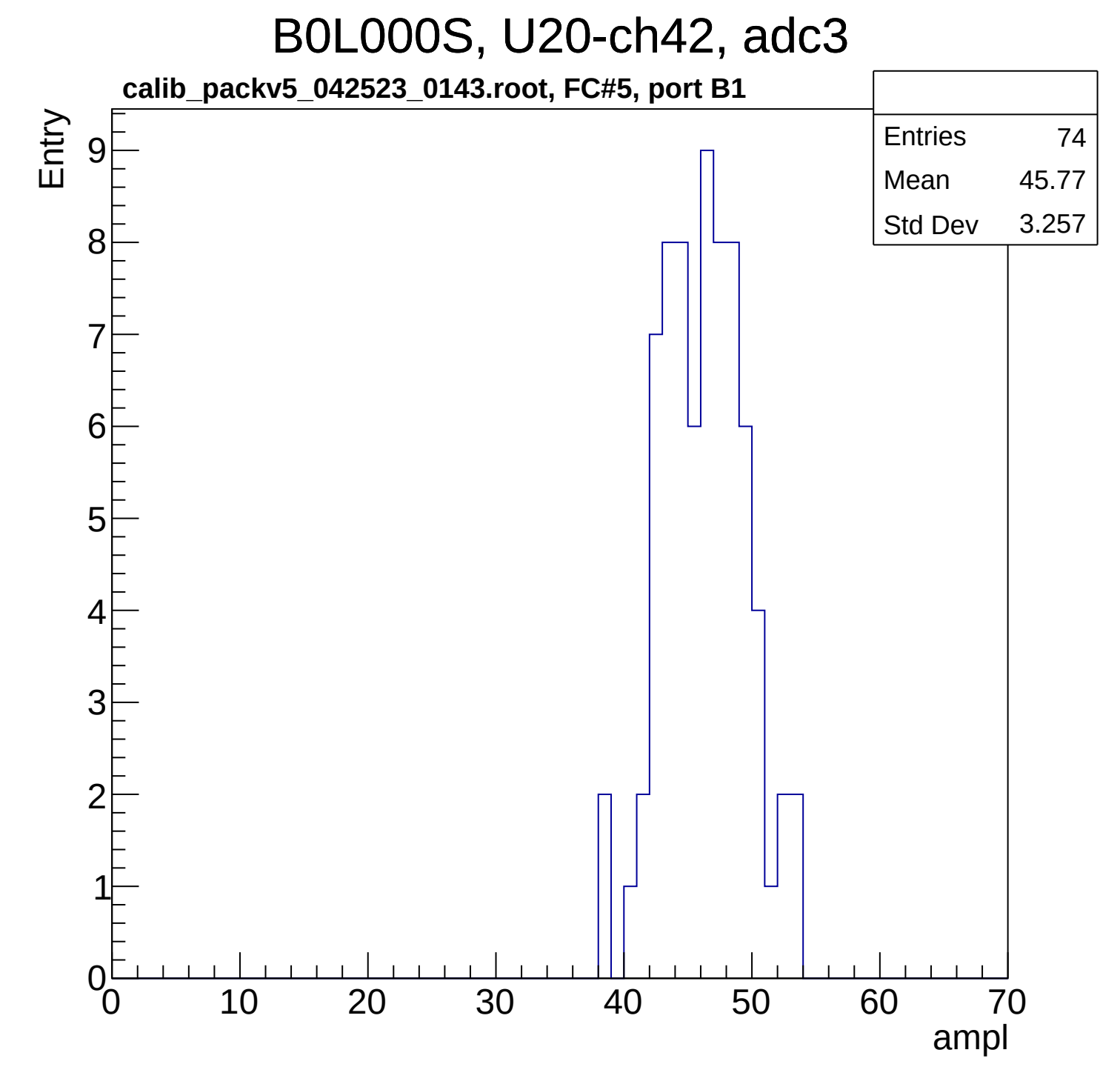
B0L000S, U20-ch42, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 45.77
Std Dev 3.257
Entry
ampl
0
1
2
3
4
5
6
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0
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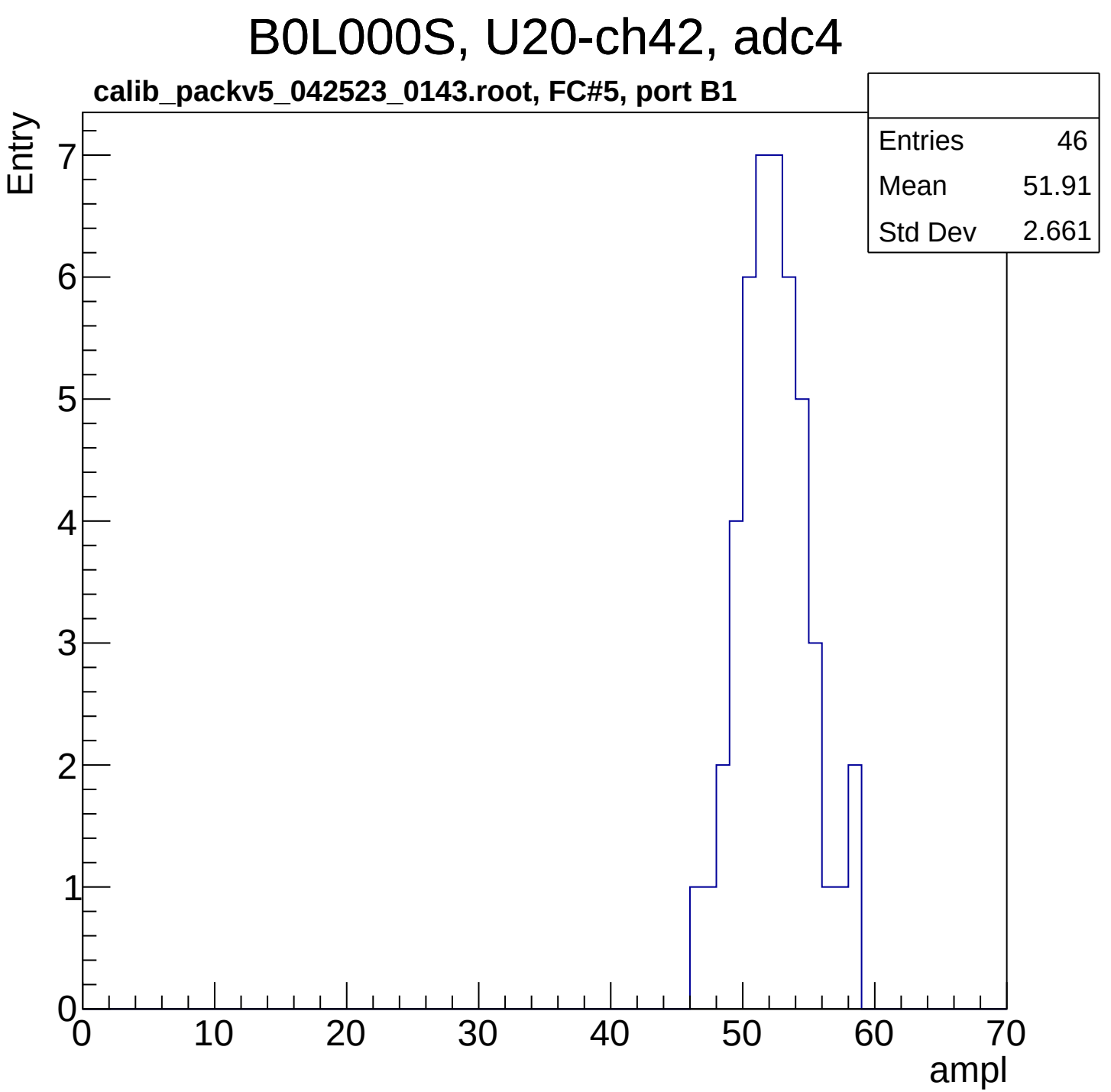
B0L000S, U20-ch42, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 51.91
Std Dev 2.661
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
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60
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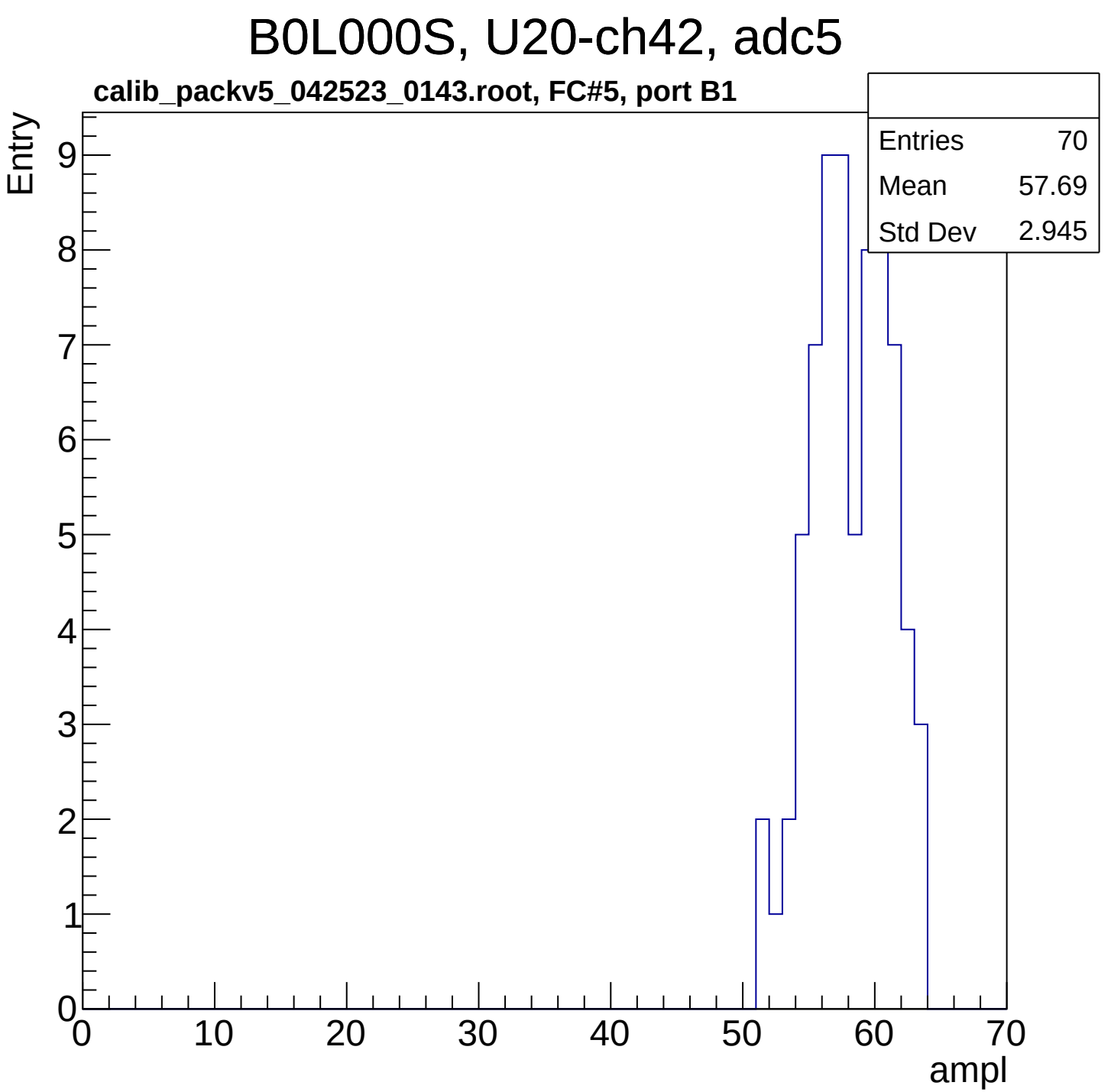
B0L000S, U20-ch42, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 57.69
Std Dev 2.945
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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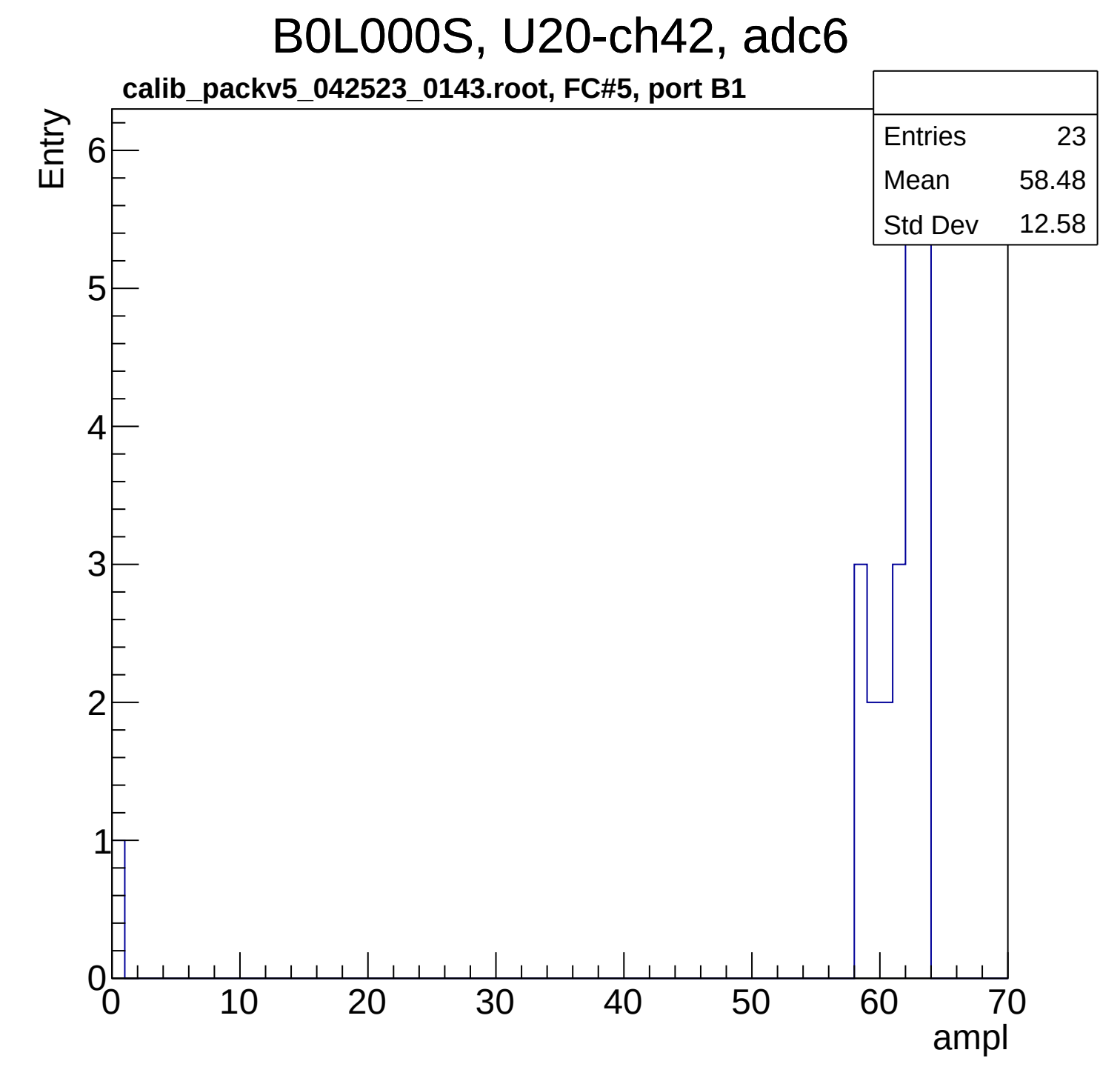
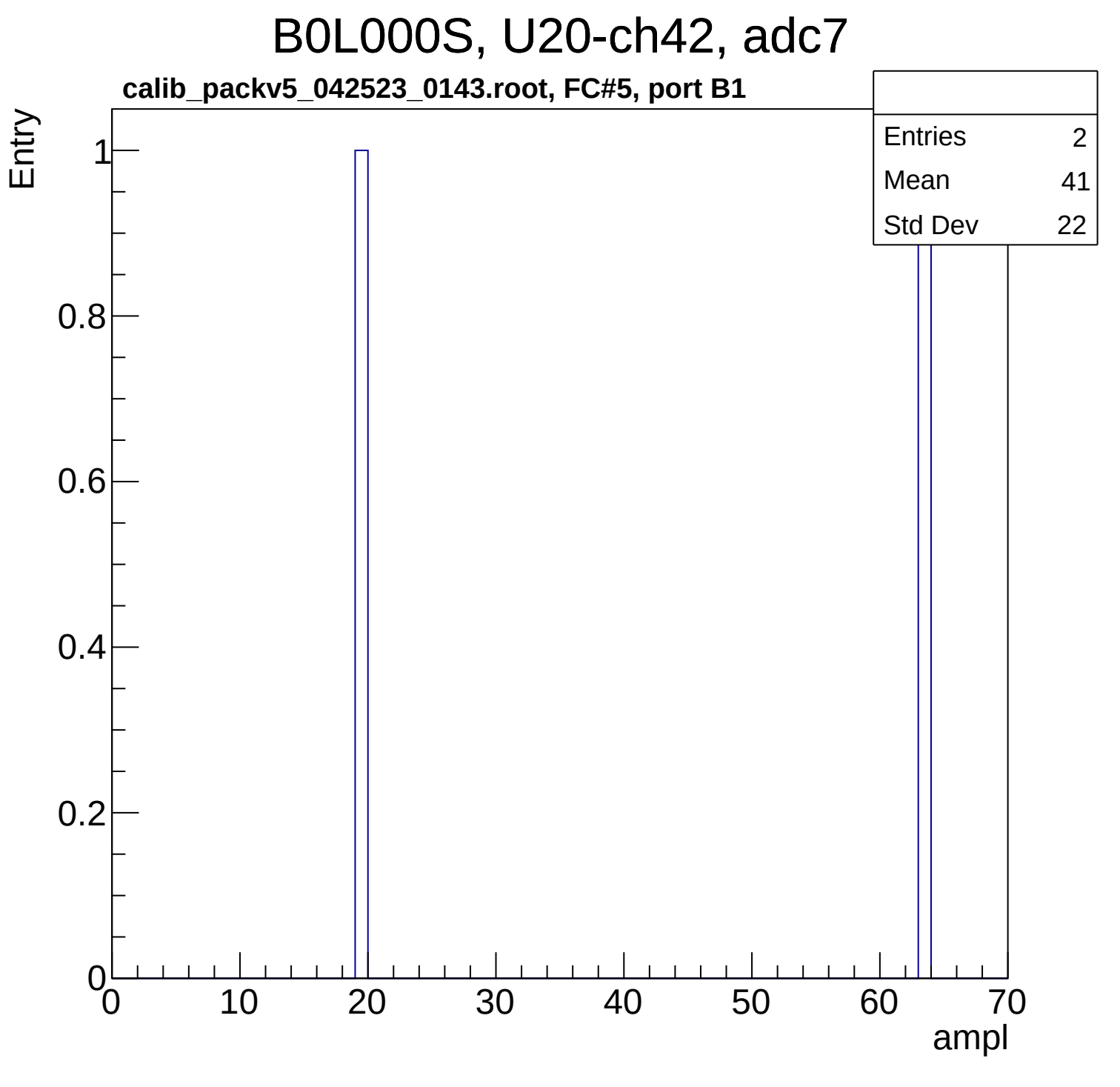

B0L000S, U20-ch42, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 23
Mean 58.48
Std Dev 12.58
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch42, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 41
Std Dev 22
Entry
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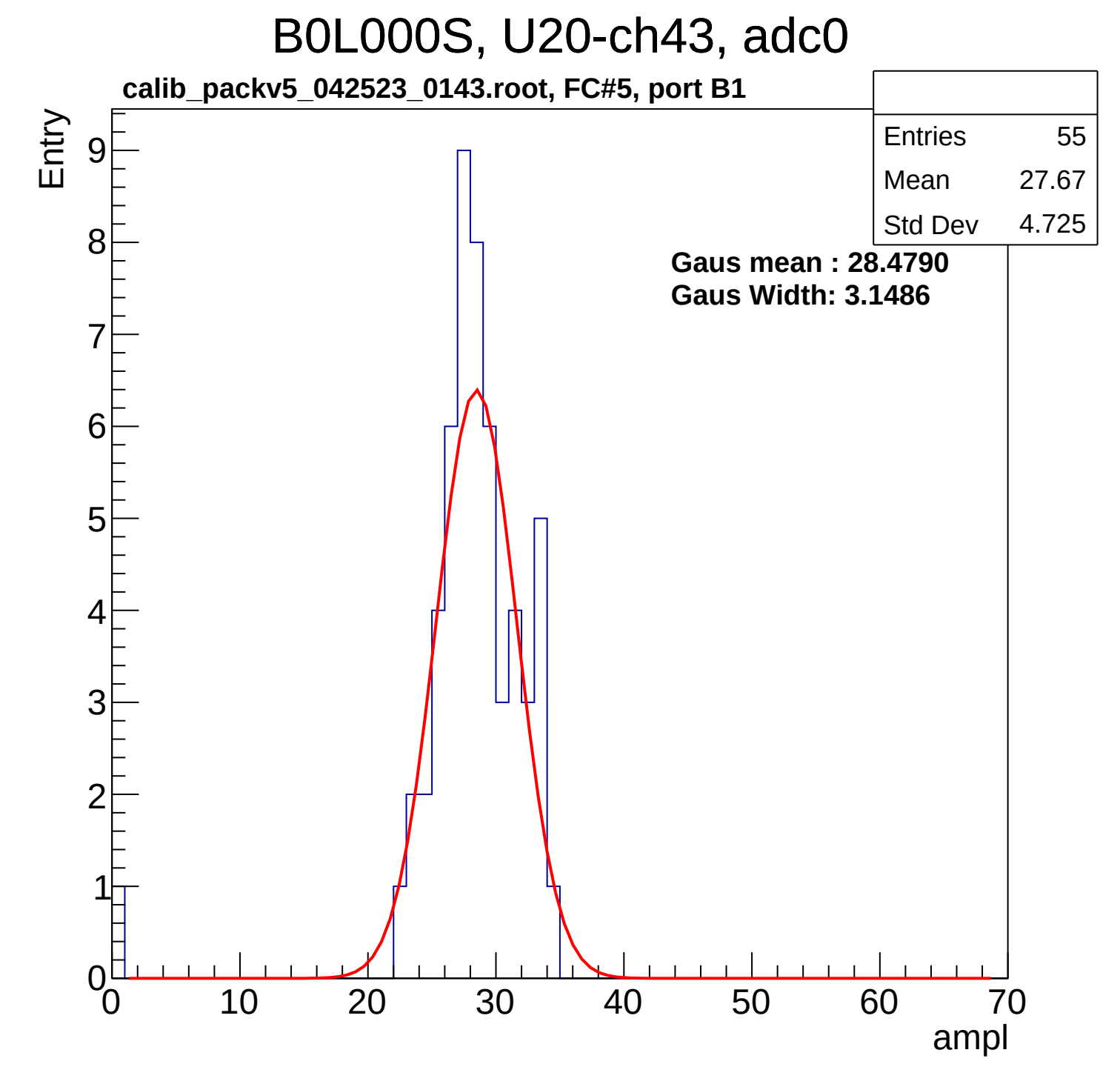
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch43, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 27.67
Std Dev 4.725
Gaus mean : 28.4790
Gaus Width: 3.1486
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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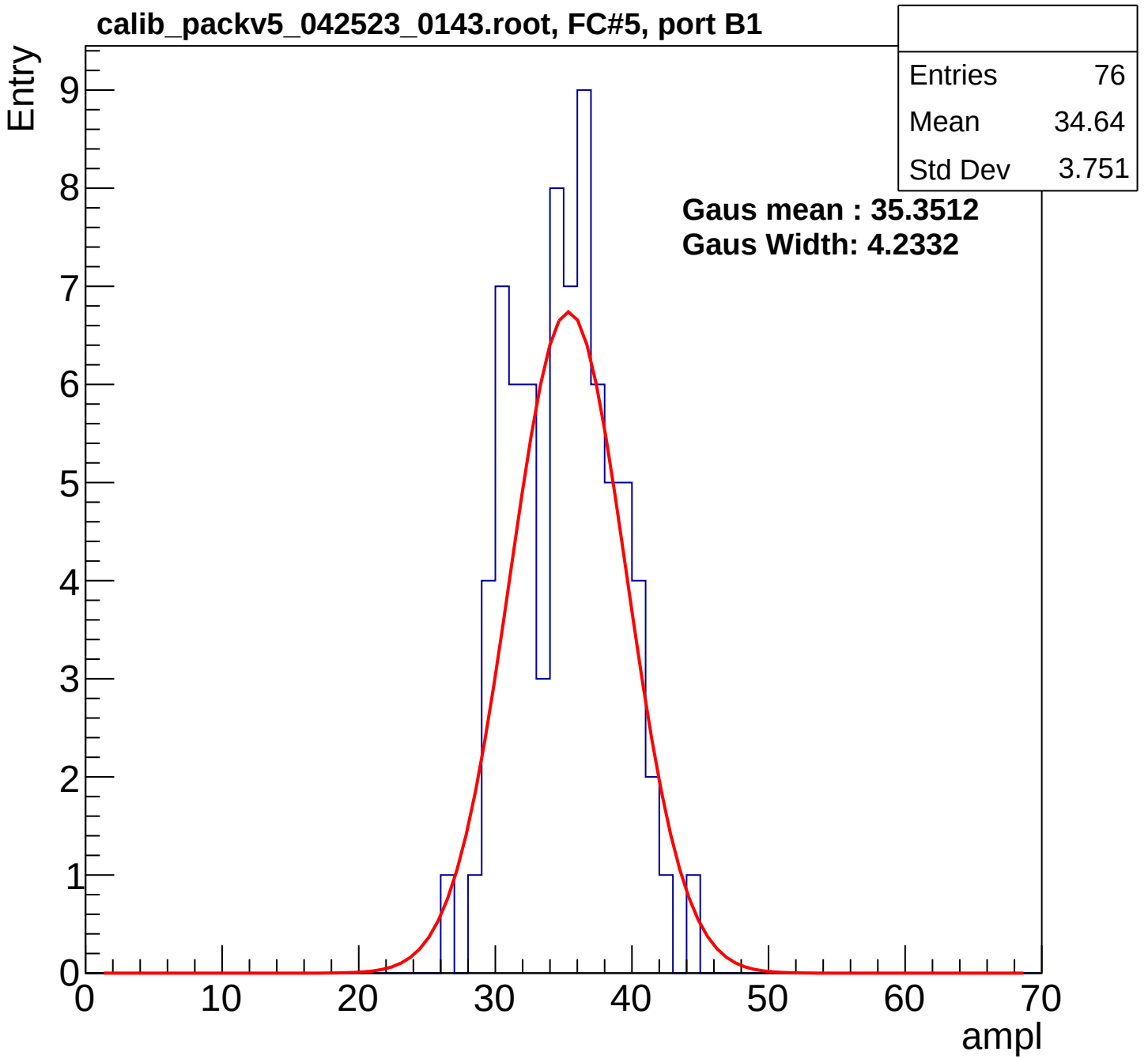
B0L000S, U20-ch43, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 34.64
Std Dev 3.751
Gaus mean : 35.3512
Gaus Width: 4.2332
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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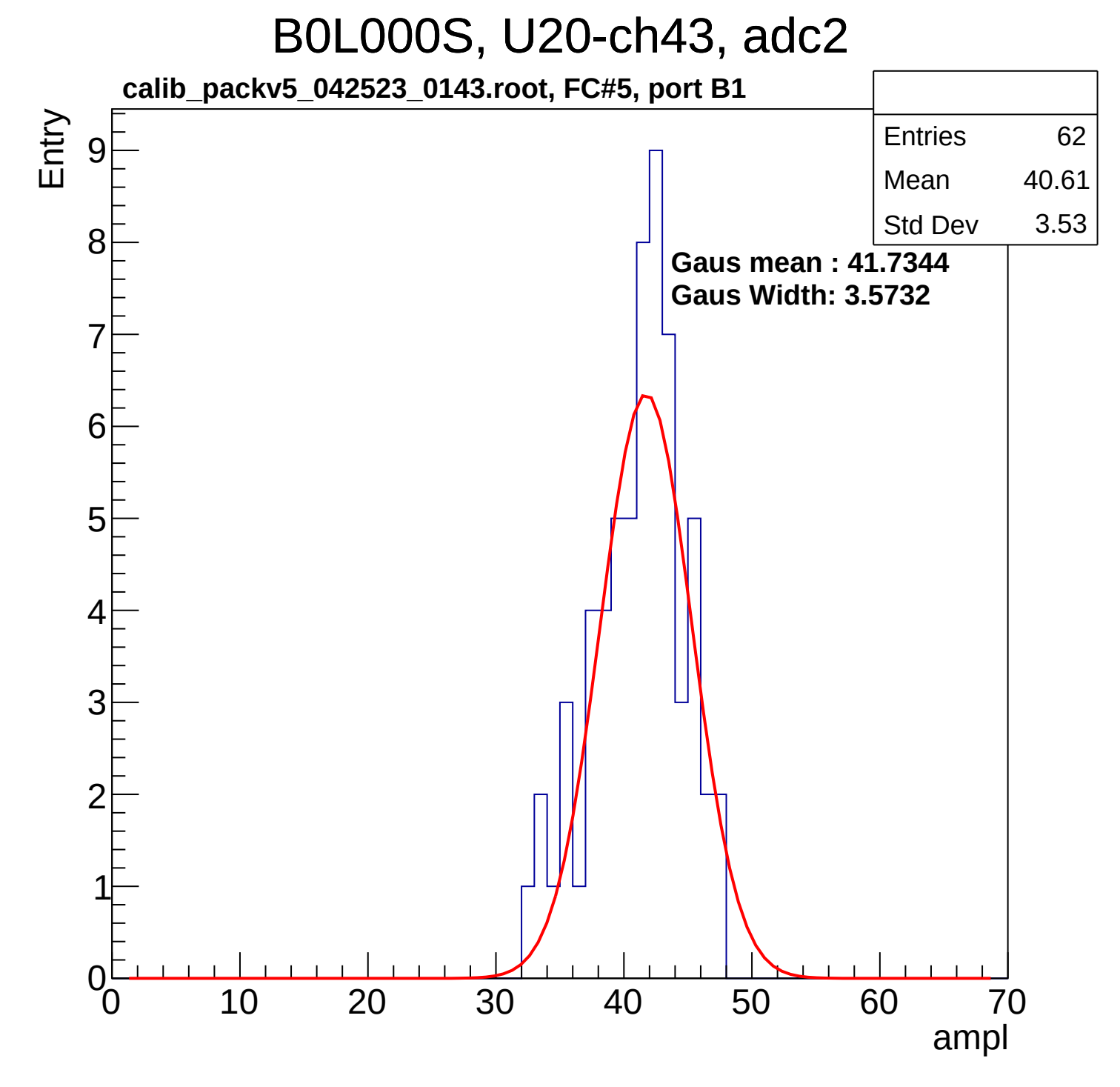
B0L000S, U20-ch43, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 40.61
Std Dev 3.53
Gaus mean : 41.7344
Gaus Width: 3.5732
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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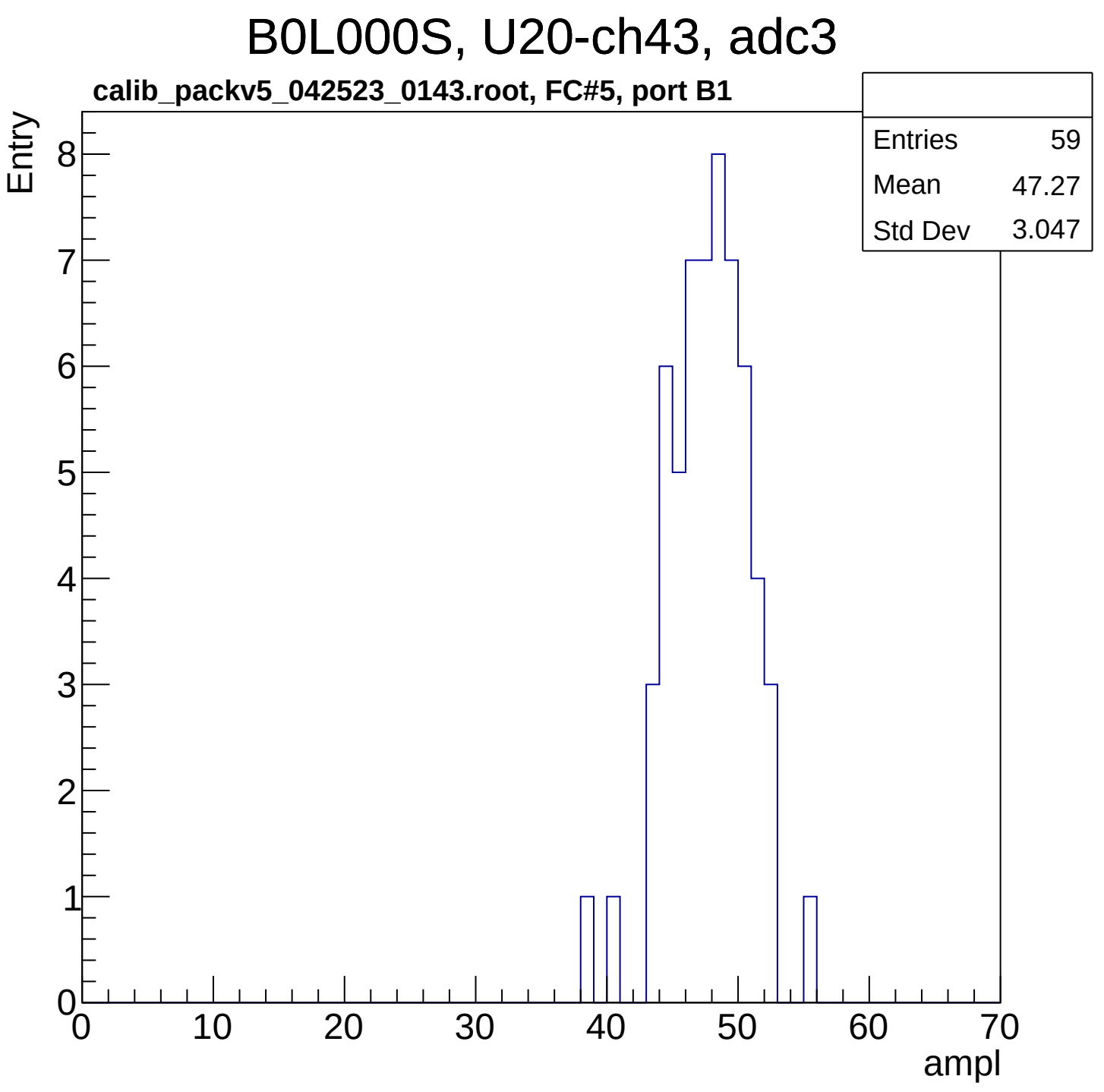
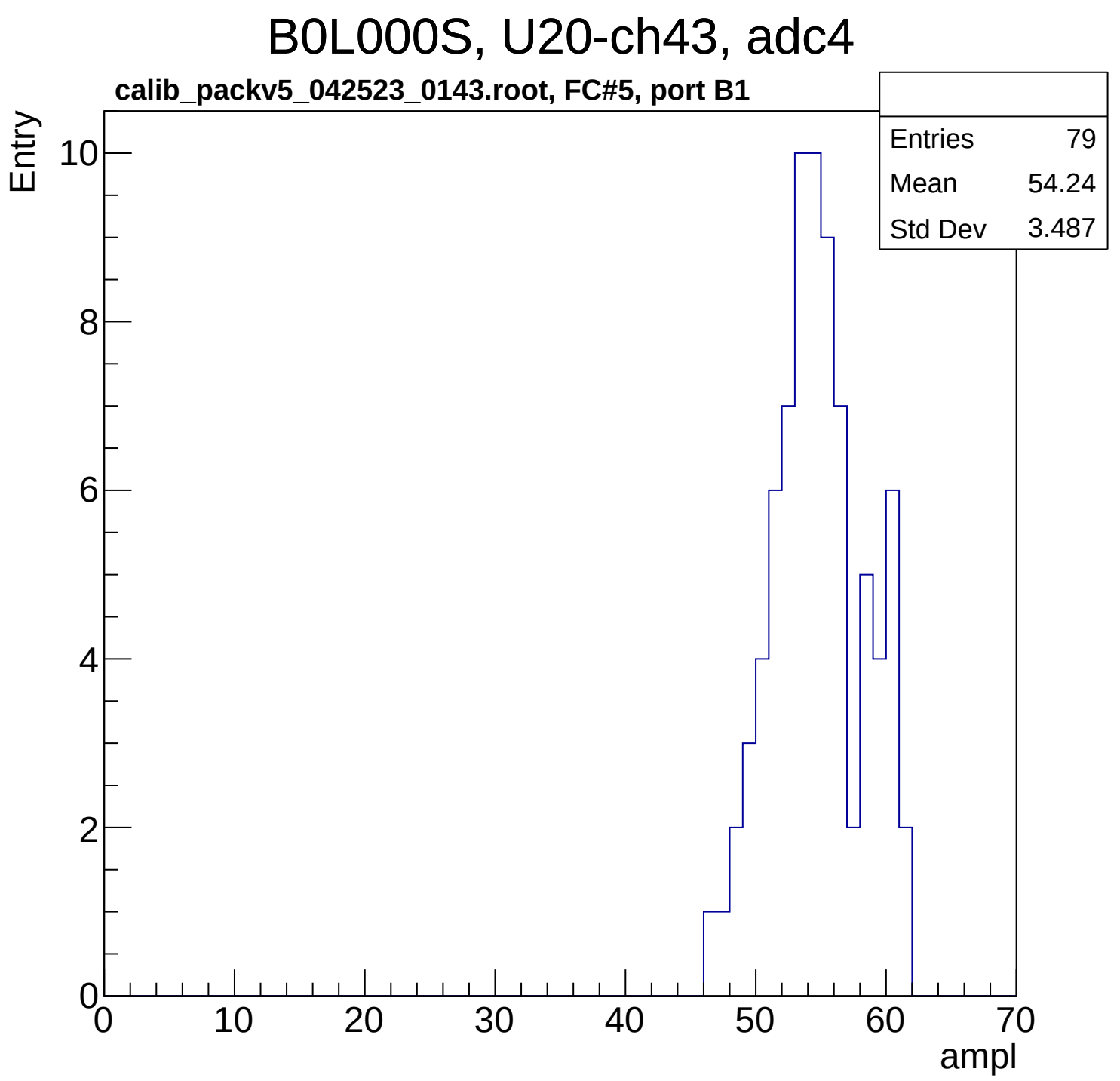
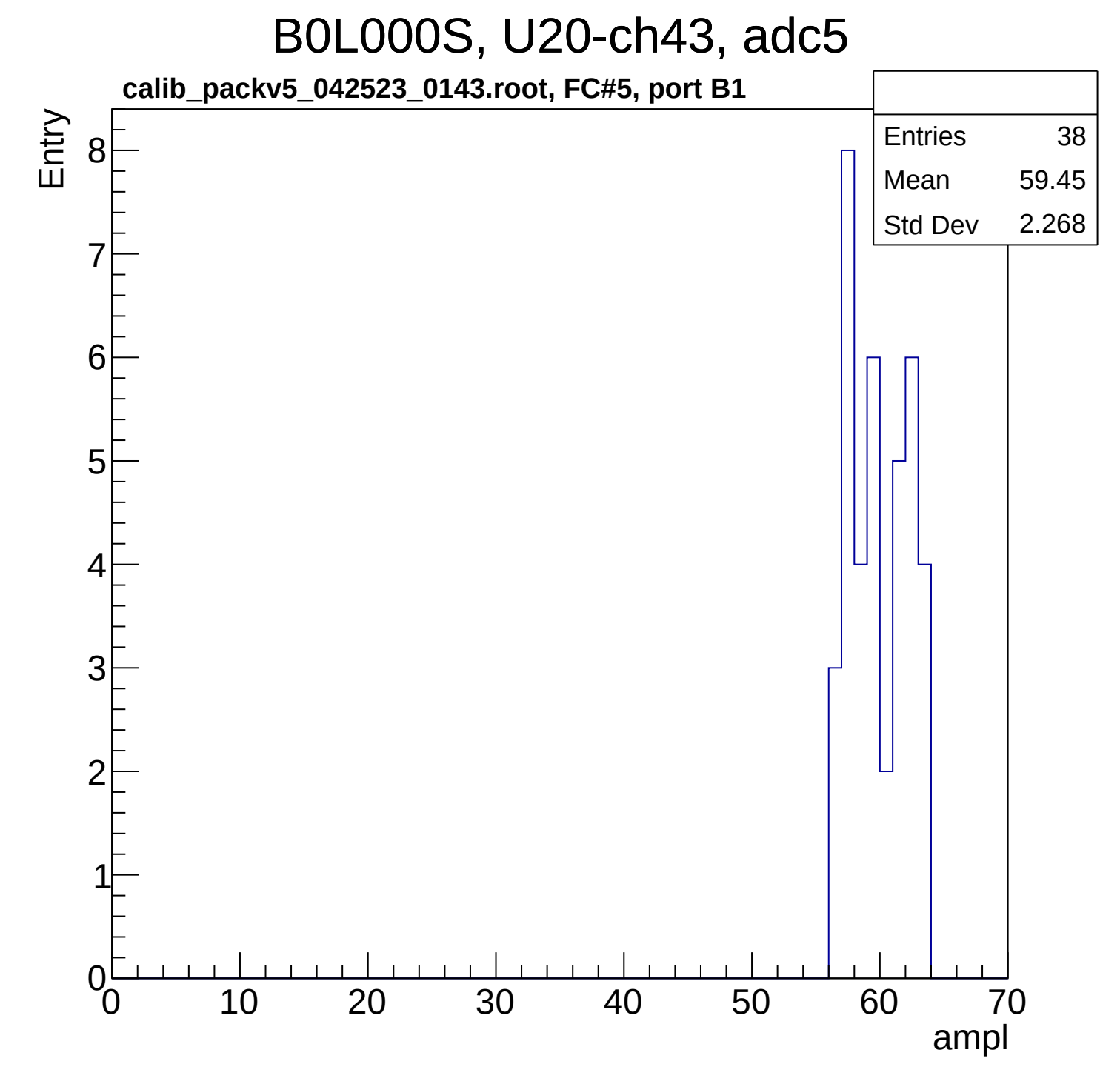

B0L000S, U20-ch43, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 47.27
Std Dev 3.047
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch43, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 54.24
Std Dev 3.487
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch43, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 38
Mean 59.45
Std Dev 2.268
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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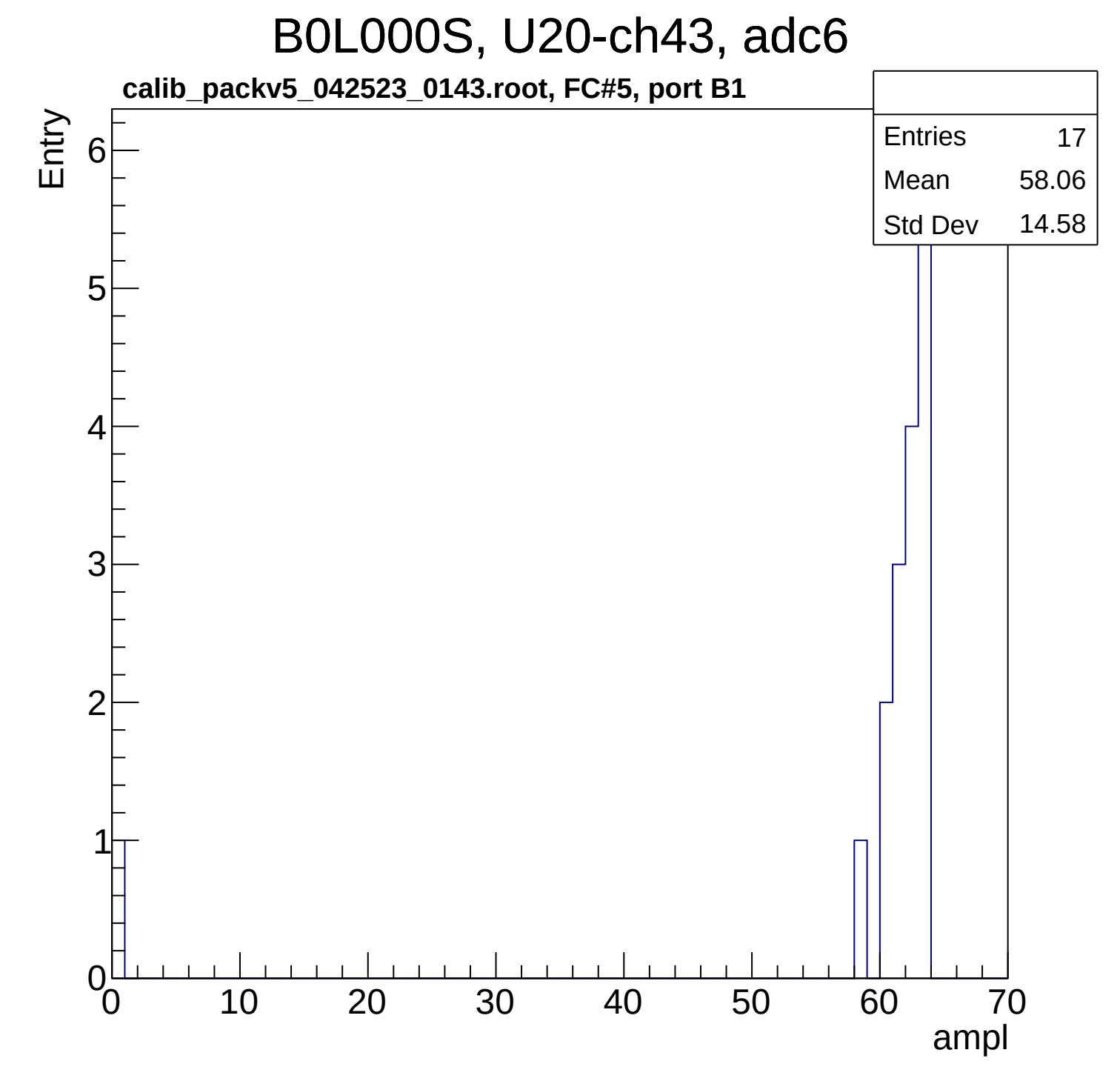
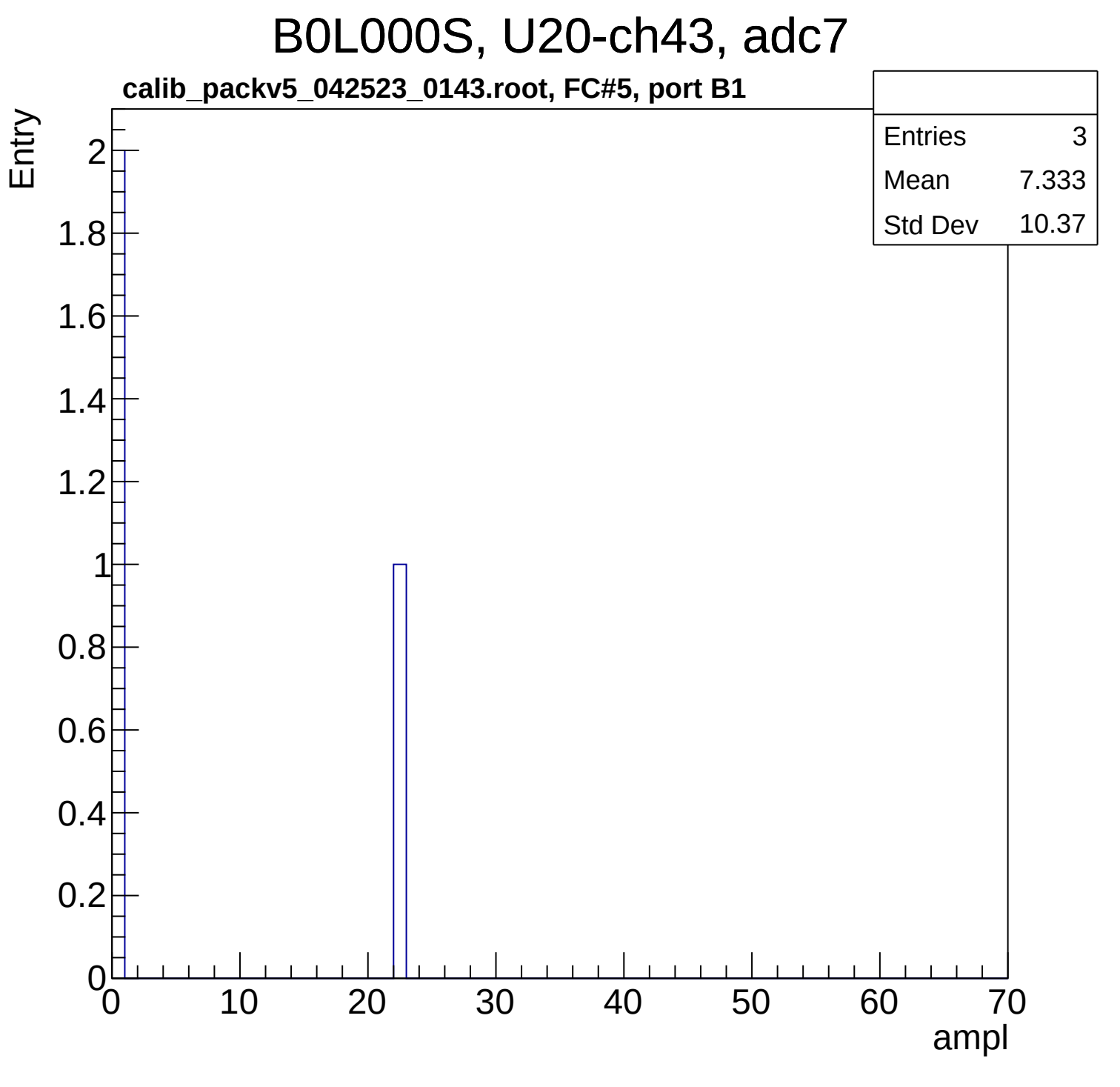
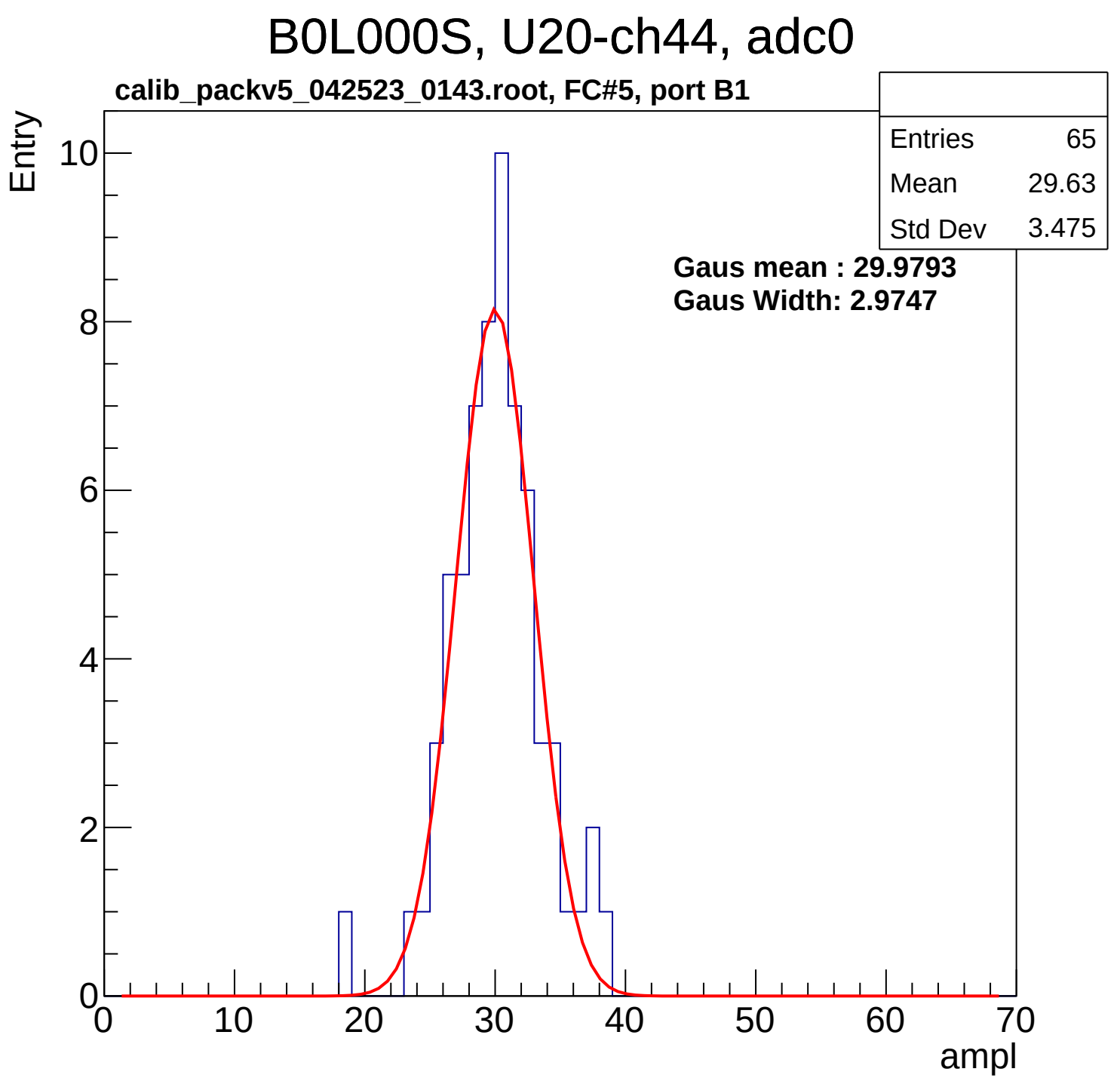
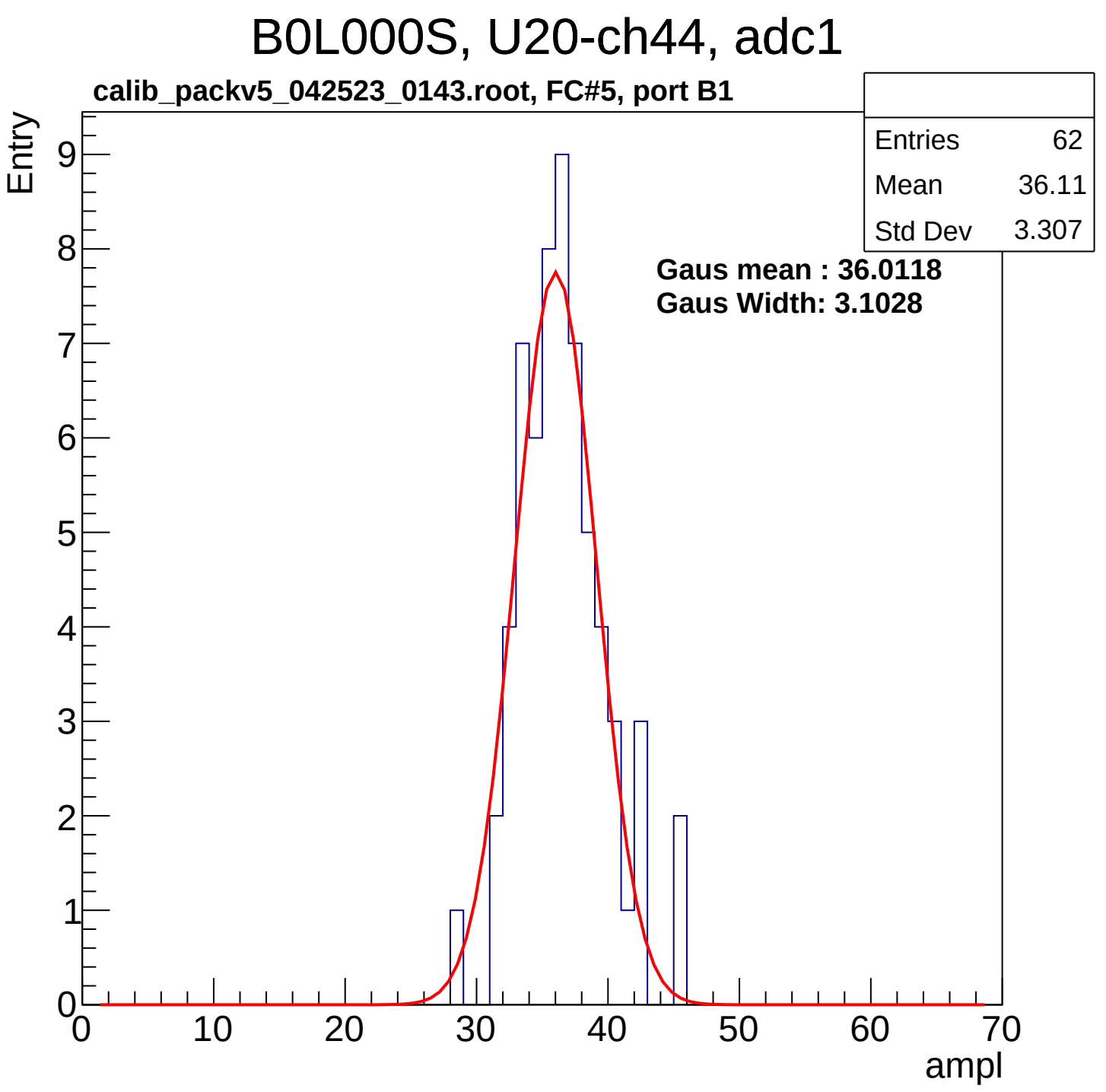
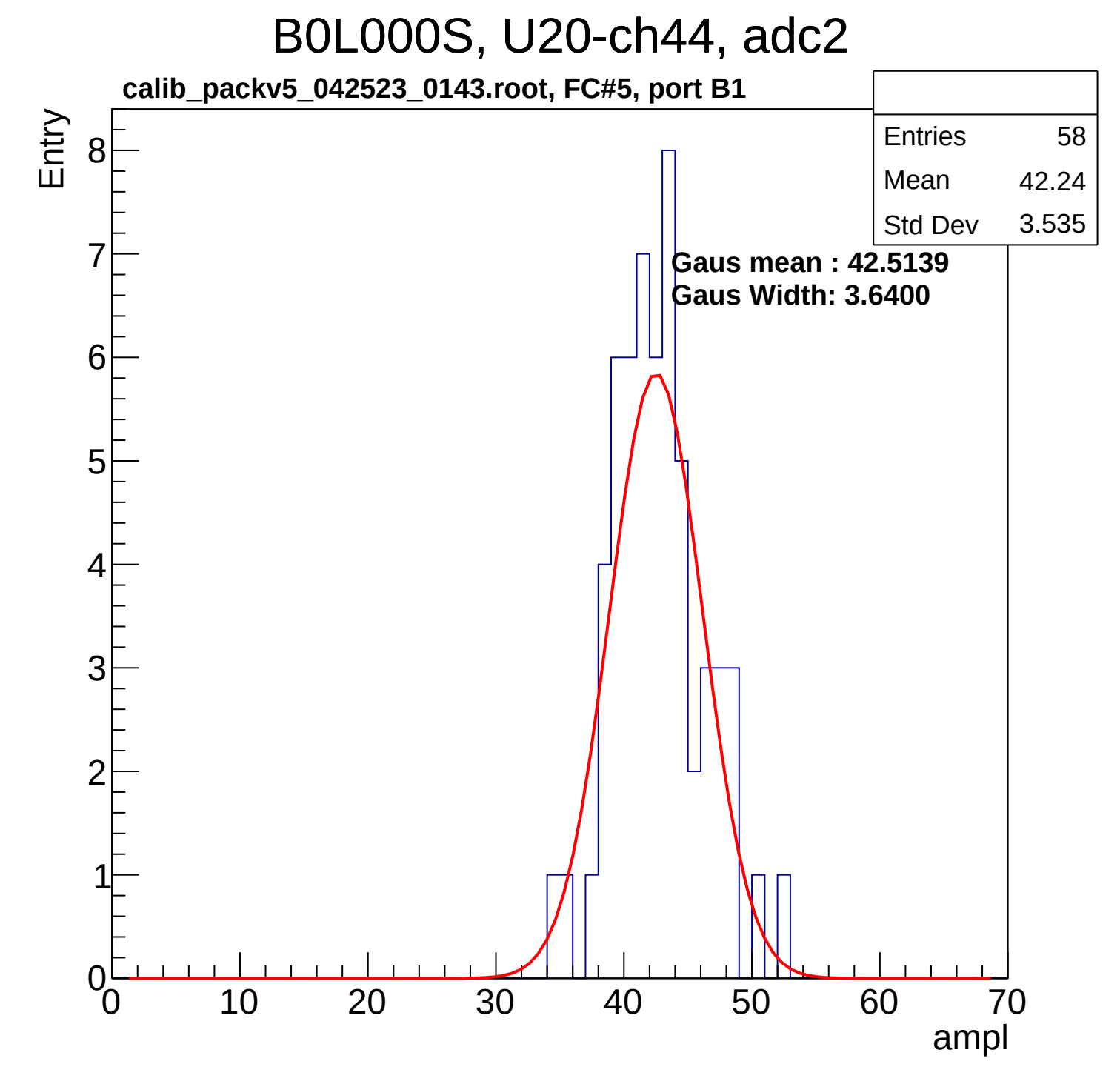

B0L000S, U20-ch43, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 17
Mean 58.06
Std Dev 14.58
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch43, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 7.333
Std Dev 10.37
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch44, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 29.63
Std Dev 3.475
Gaus mean : 29.9793
Gaus Width: 2.9747
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch44, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36.11
Std Dev 3.307
Gaus mean : 36.0118
Gaus Width: 3.1028
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch44, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 42.24
Std Dev 3.535
Gaus mean : 42.5139
Gaus Width: 3.6400
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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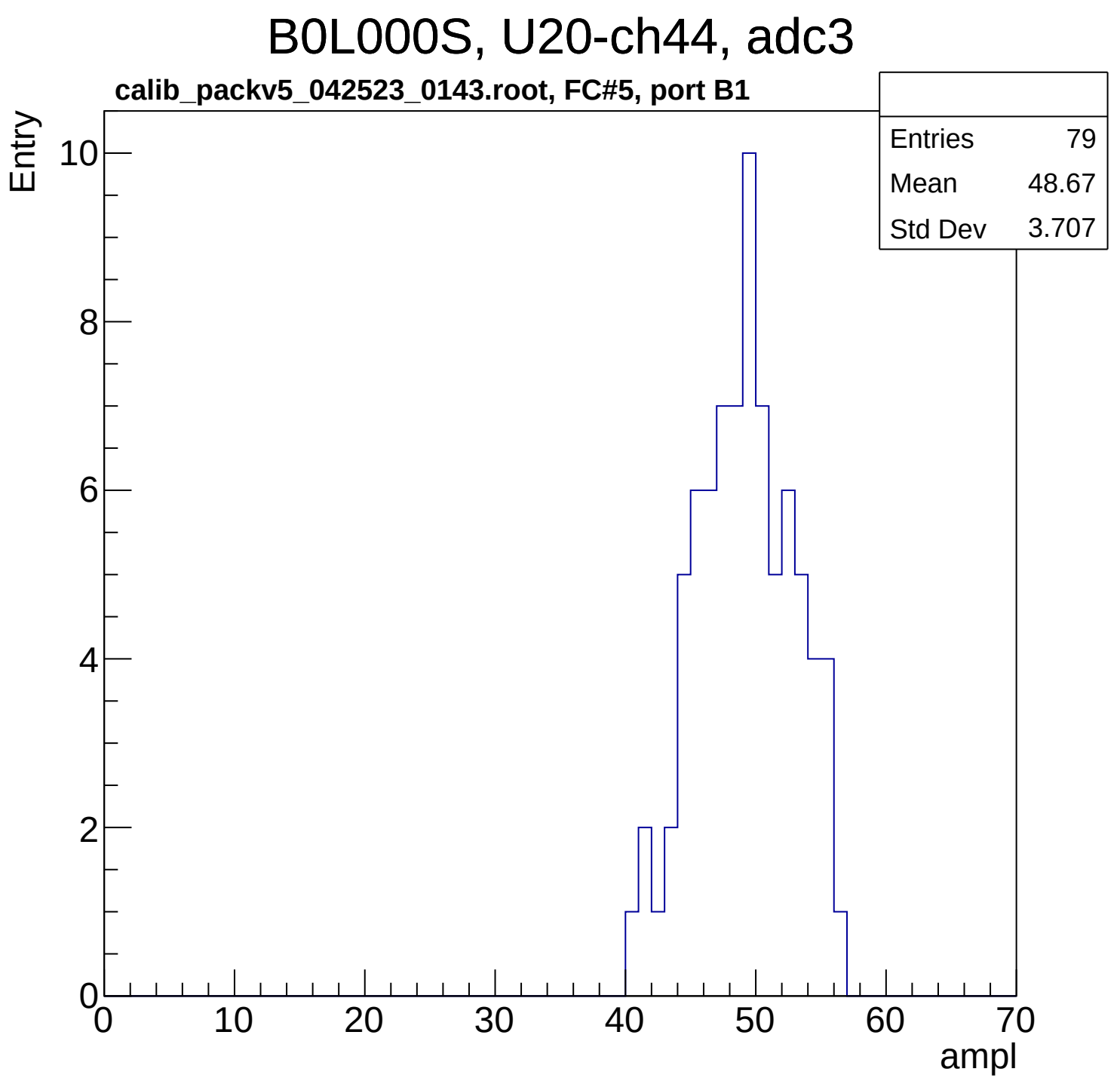
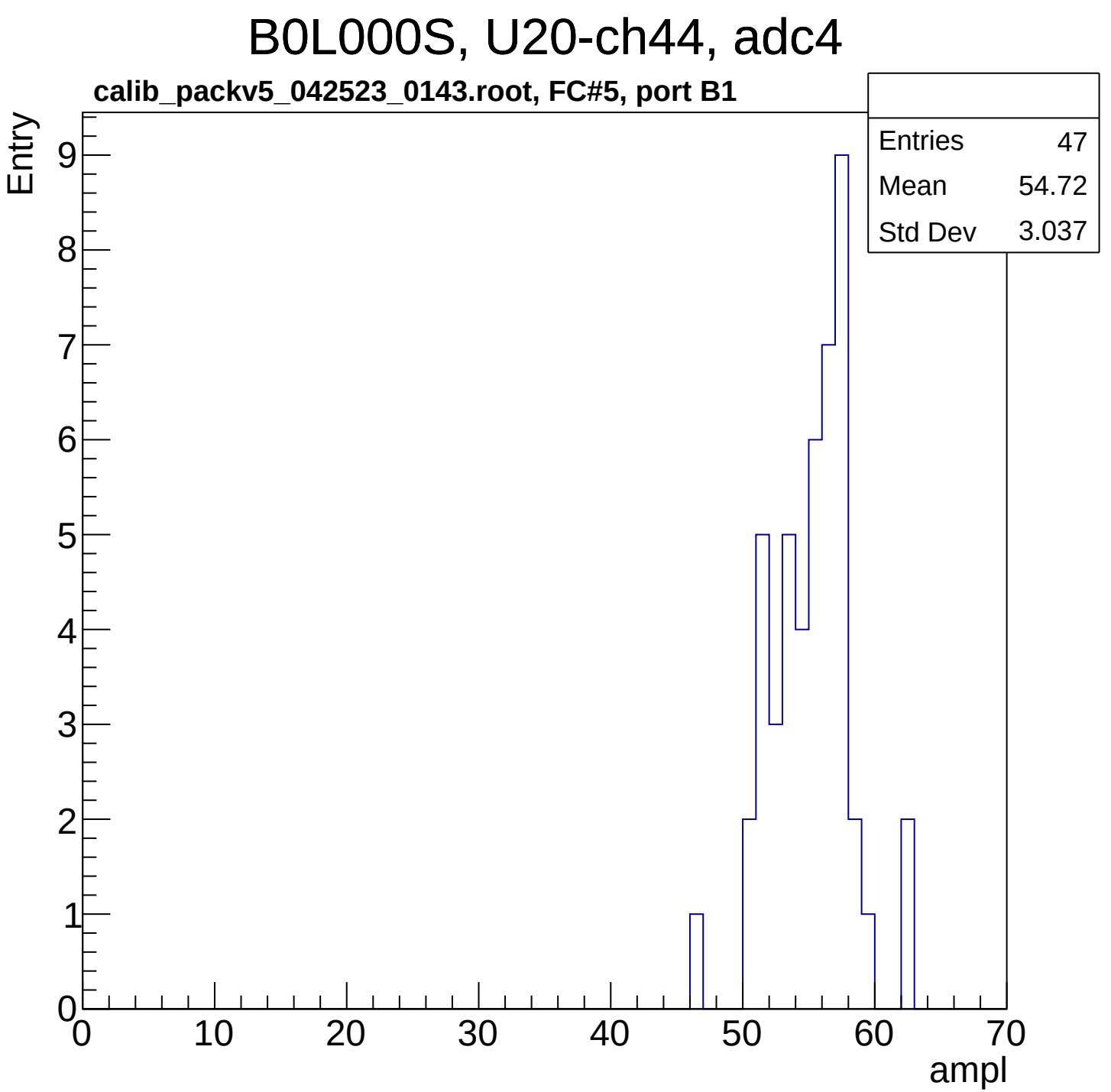

B0L000S, U20-ch44, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 48.67
Std Dev 3.707
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch44, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 54.72
Std Dev 3.037
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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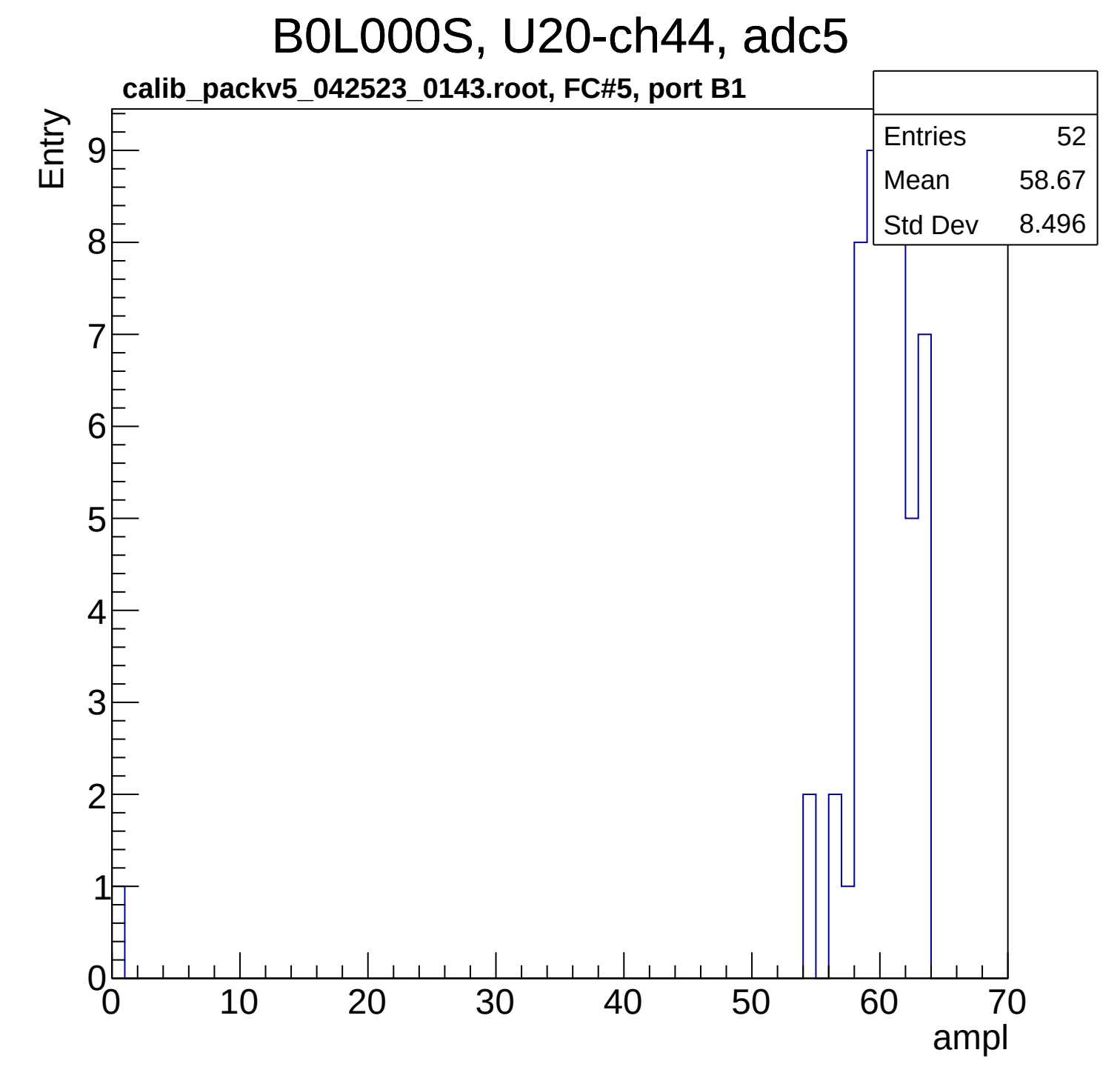
B0L000S, U20-ch44, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 58.67
Std Dev 8.496
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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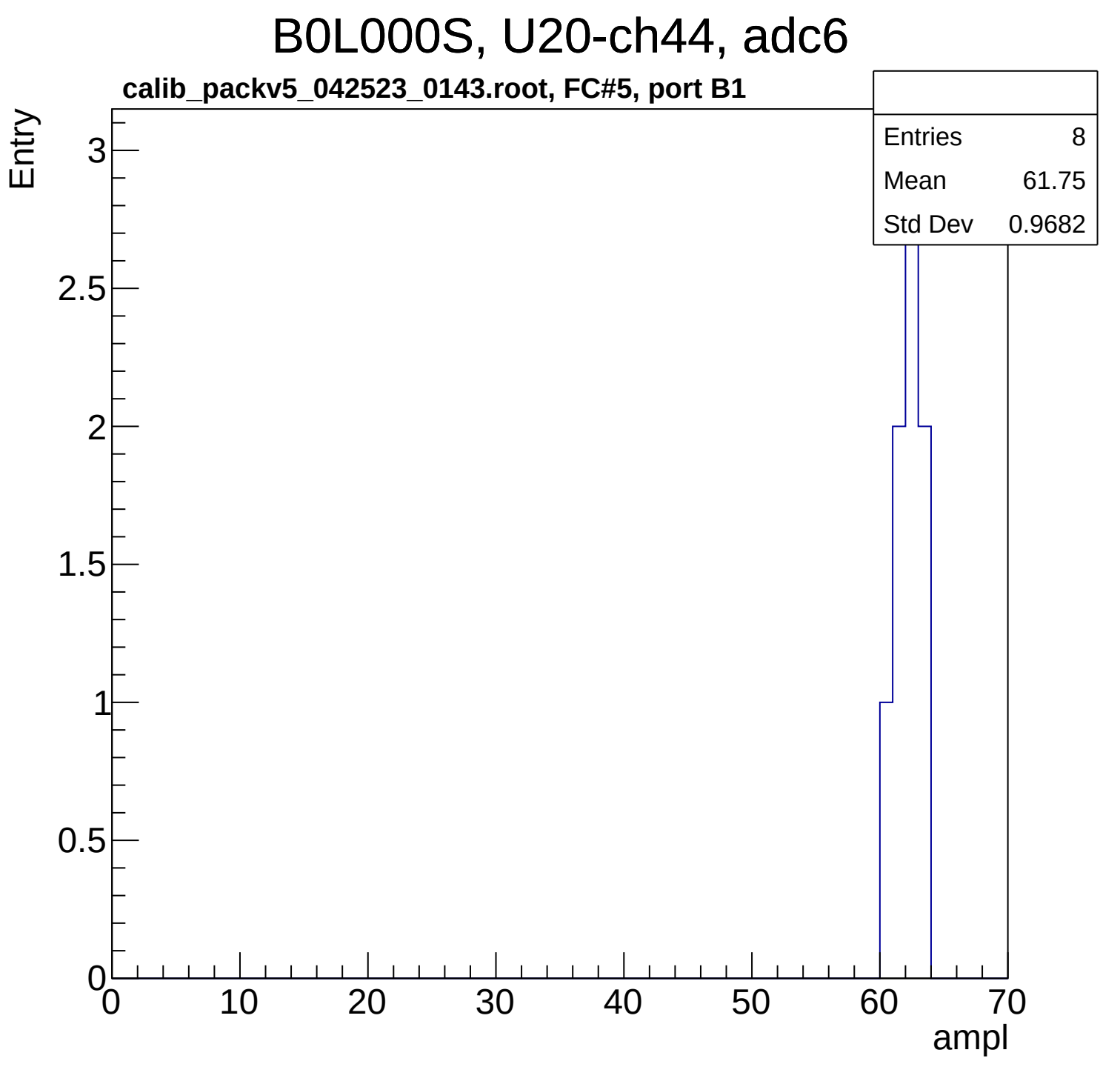
B0L000S, U20-ch44, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 61.75
Std Dev 0.9682
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
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60
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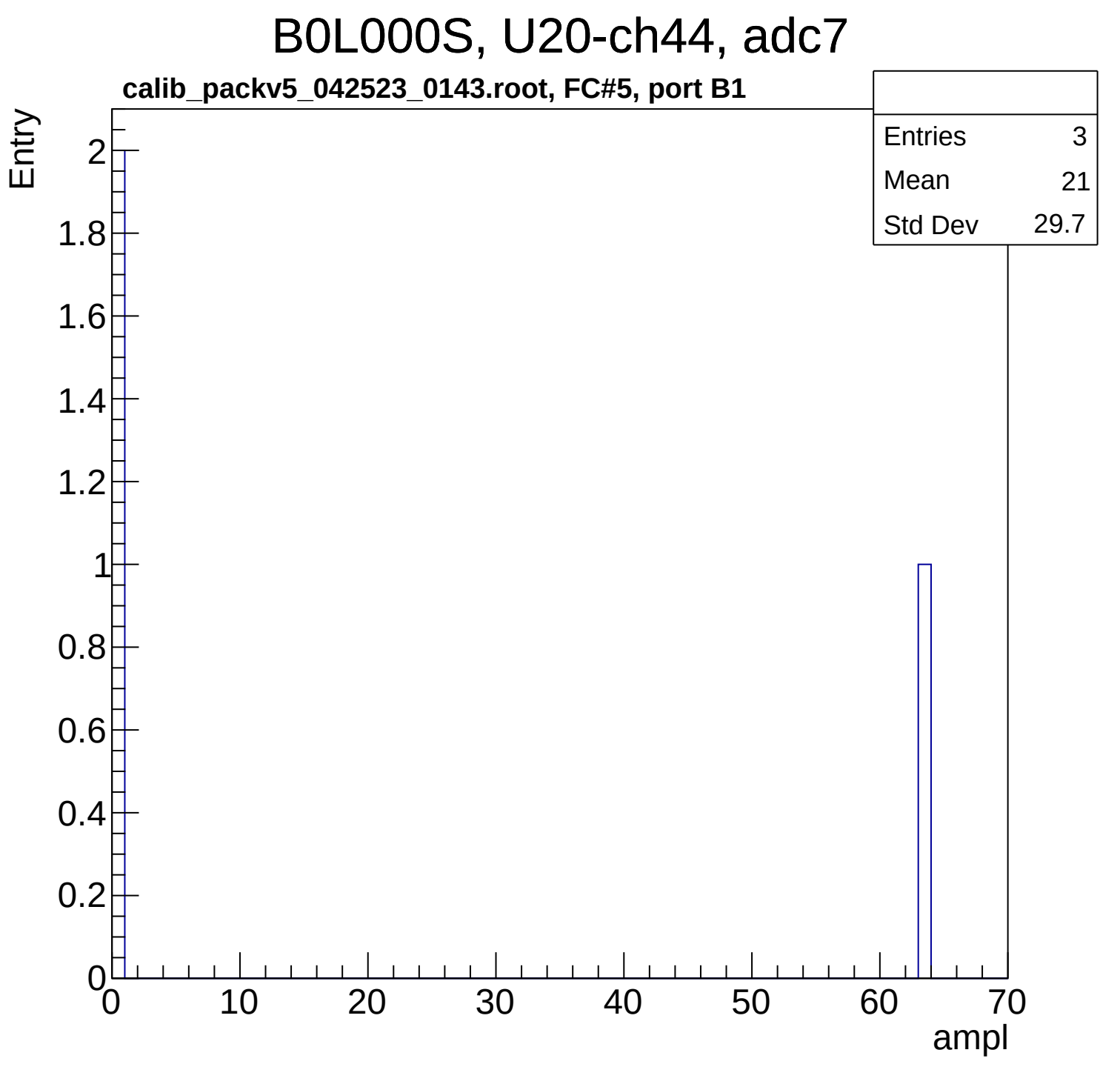
B0L000S, U20-ch44, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 21
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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60
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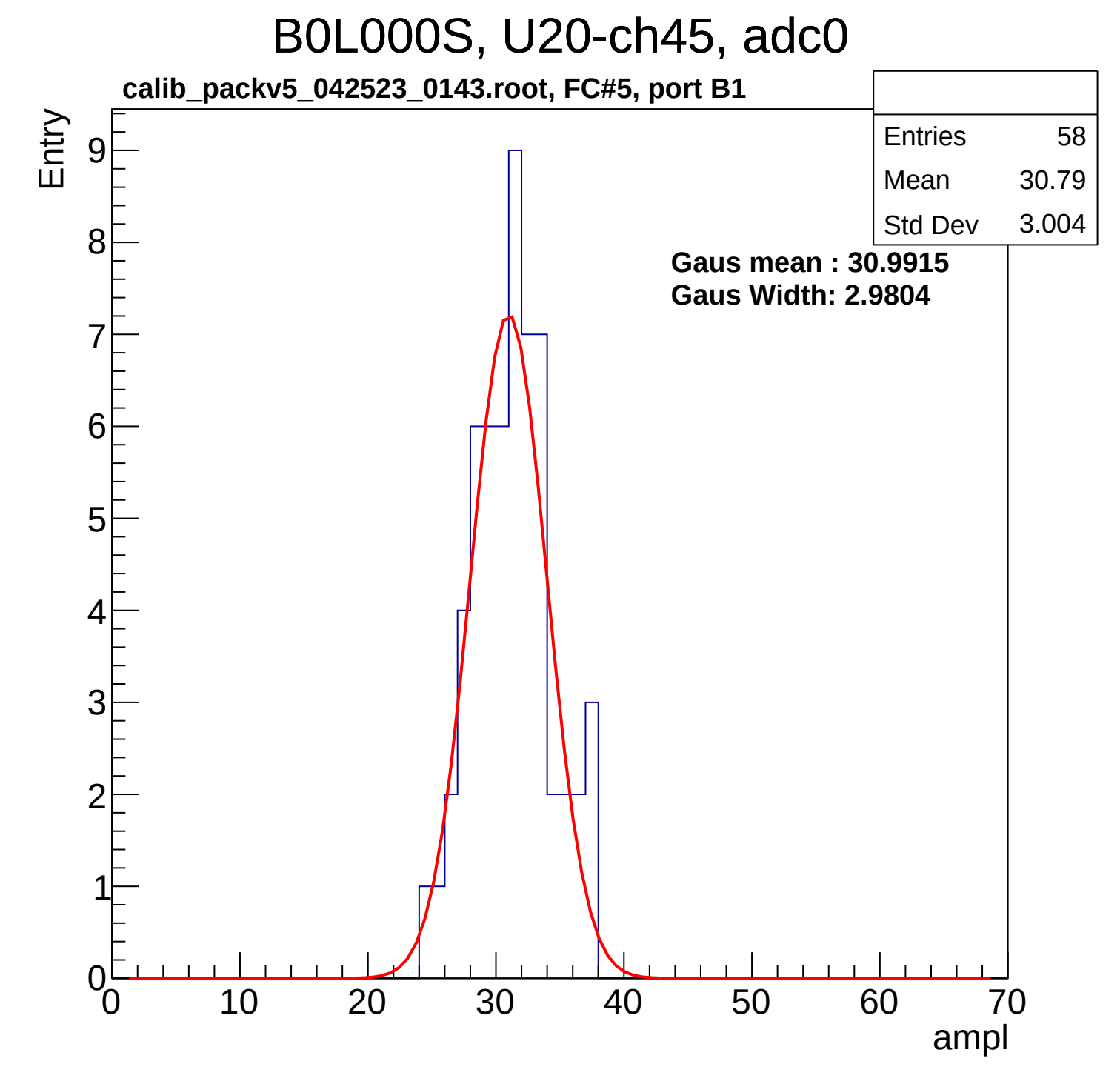
B0L000S, U20-ch45, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 30.79
Std Dev 3.004
Gaus mean : 30.9915
Gaus Width: 2.9804
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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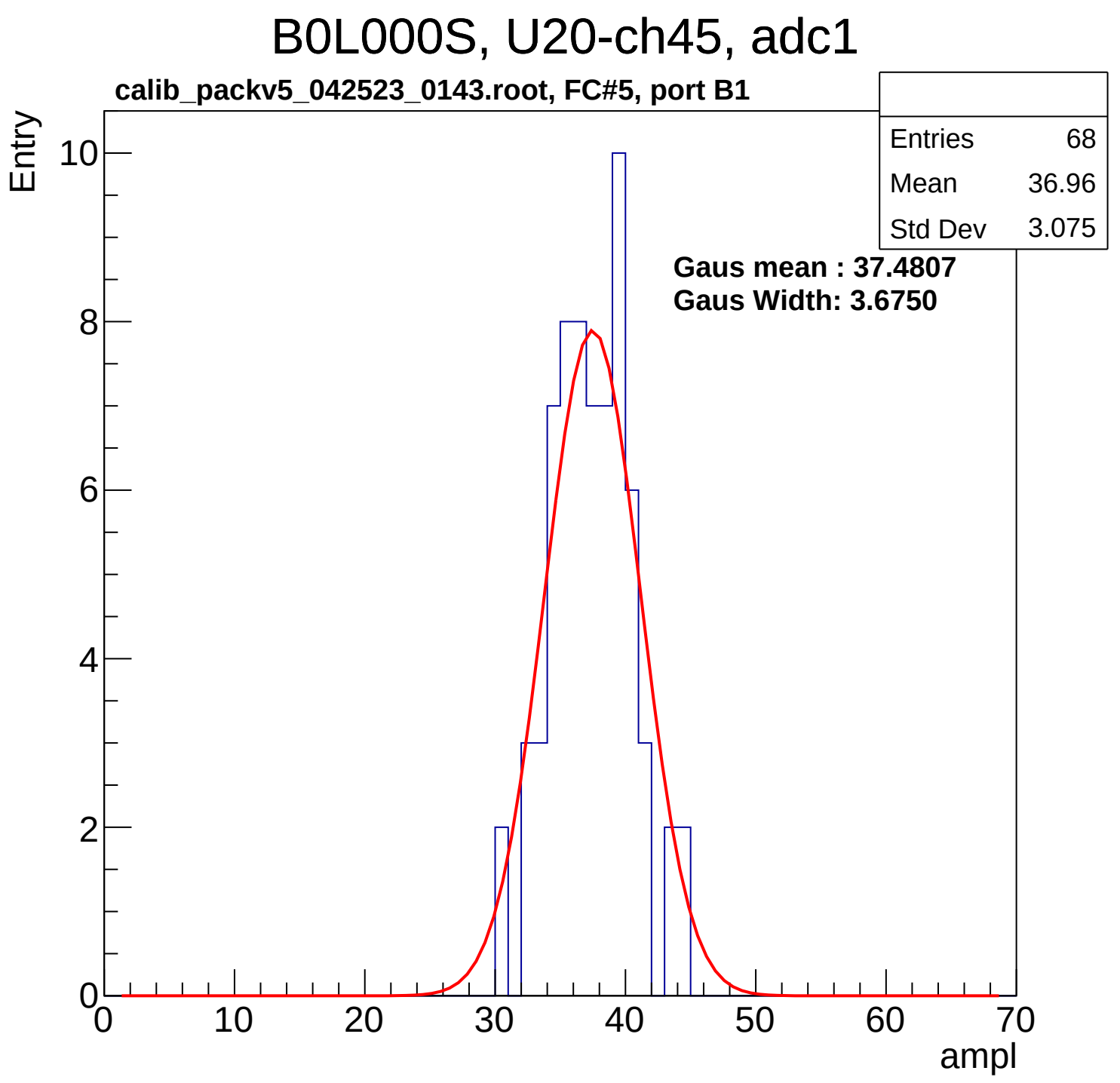
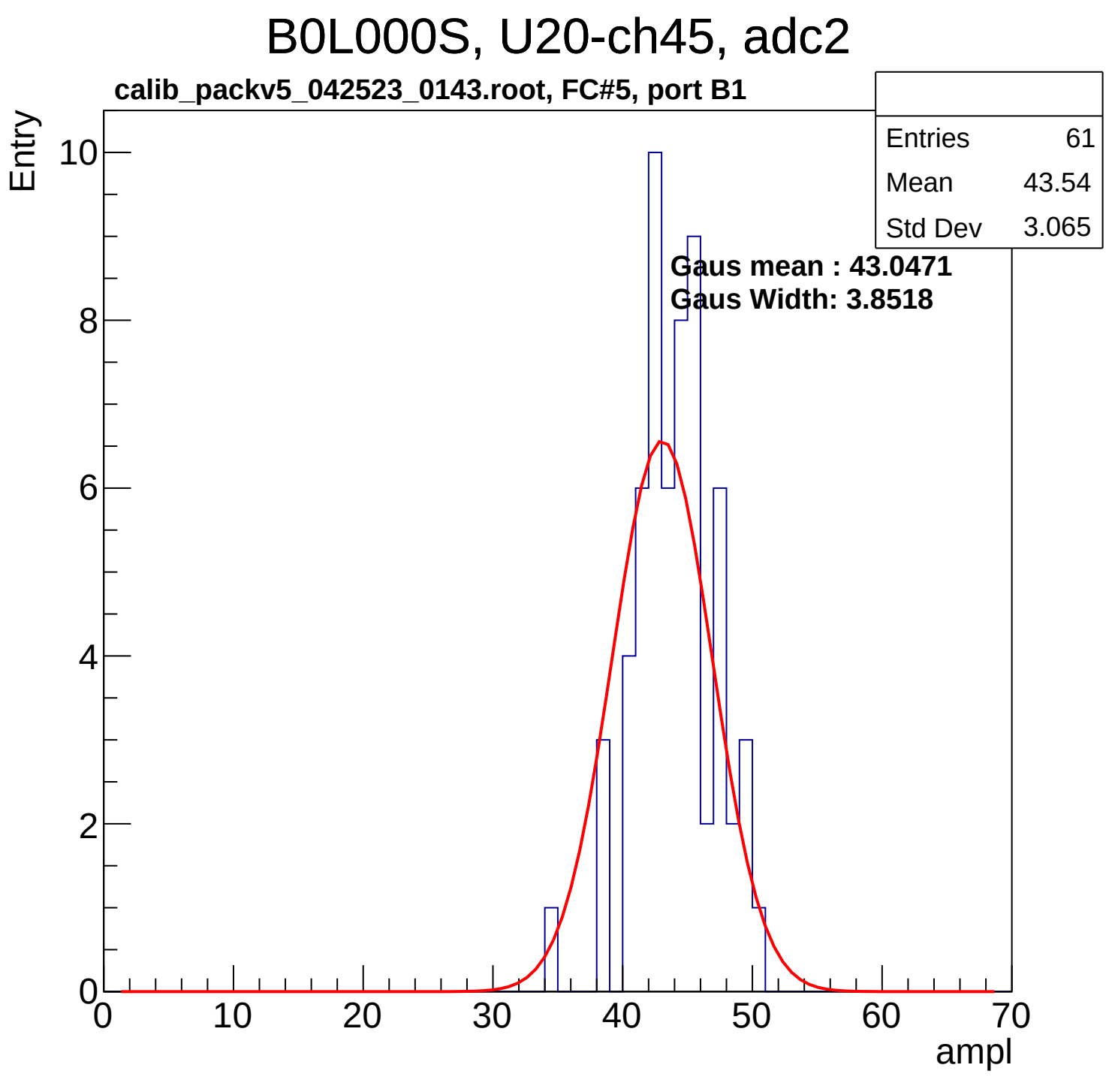
20
30
40
50
60
70


B0L000S, U20-ch45, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 36.96
Std Dev 3.075
Gaus mean : 37.4807
Gaus Width: 3.6750
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch45, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 43.54
Std Dev 3.065
Gaus mean : 43.0471
Gaus Width: 3.8518
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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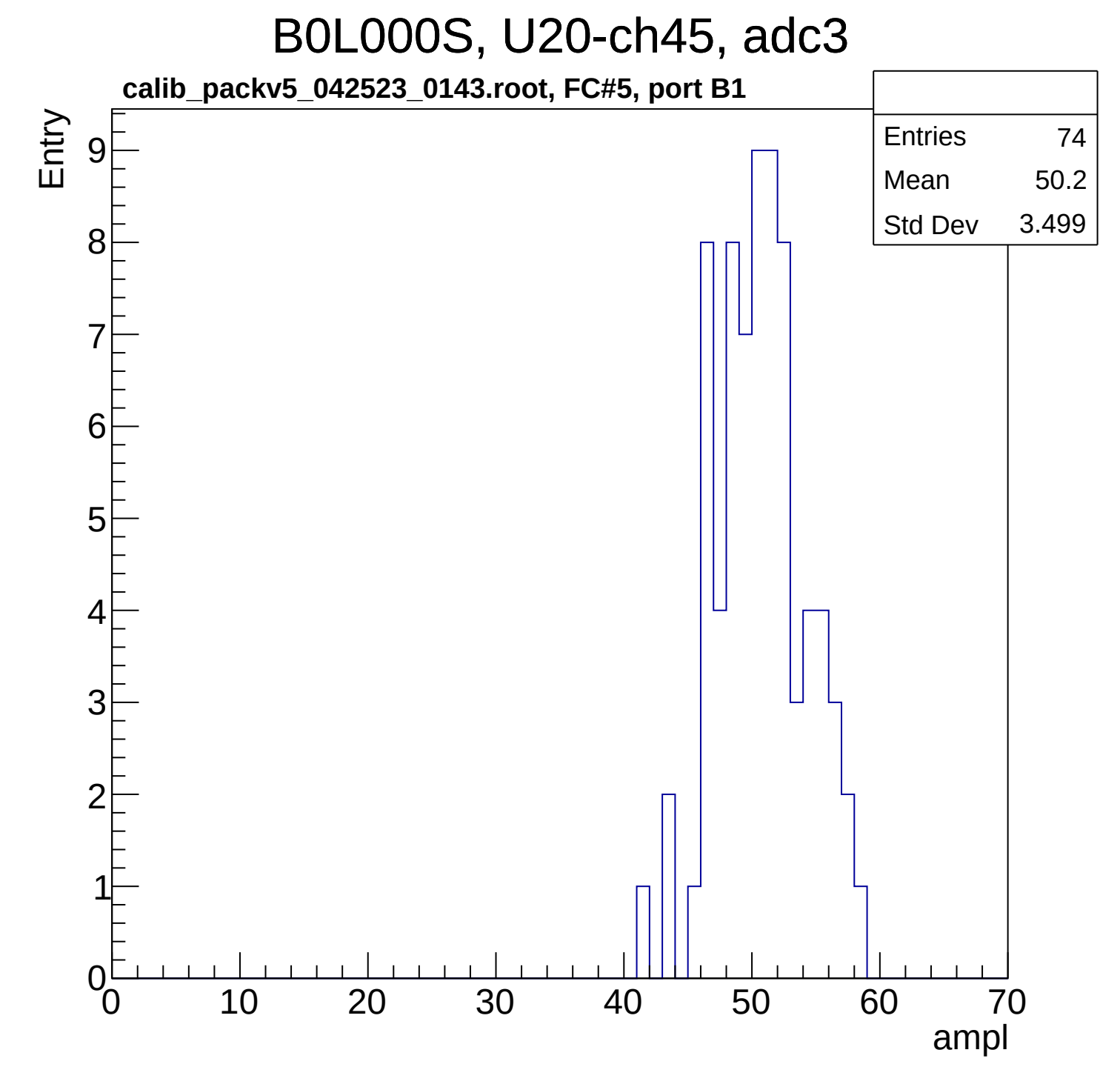
B0L000S, U20-ch45, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 50.2
Std Dev 3.499
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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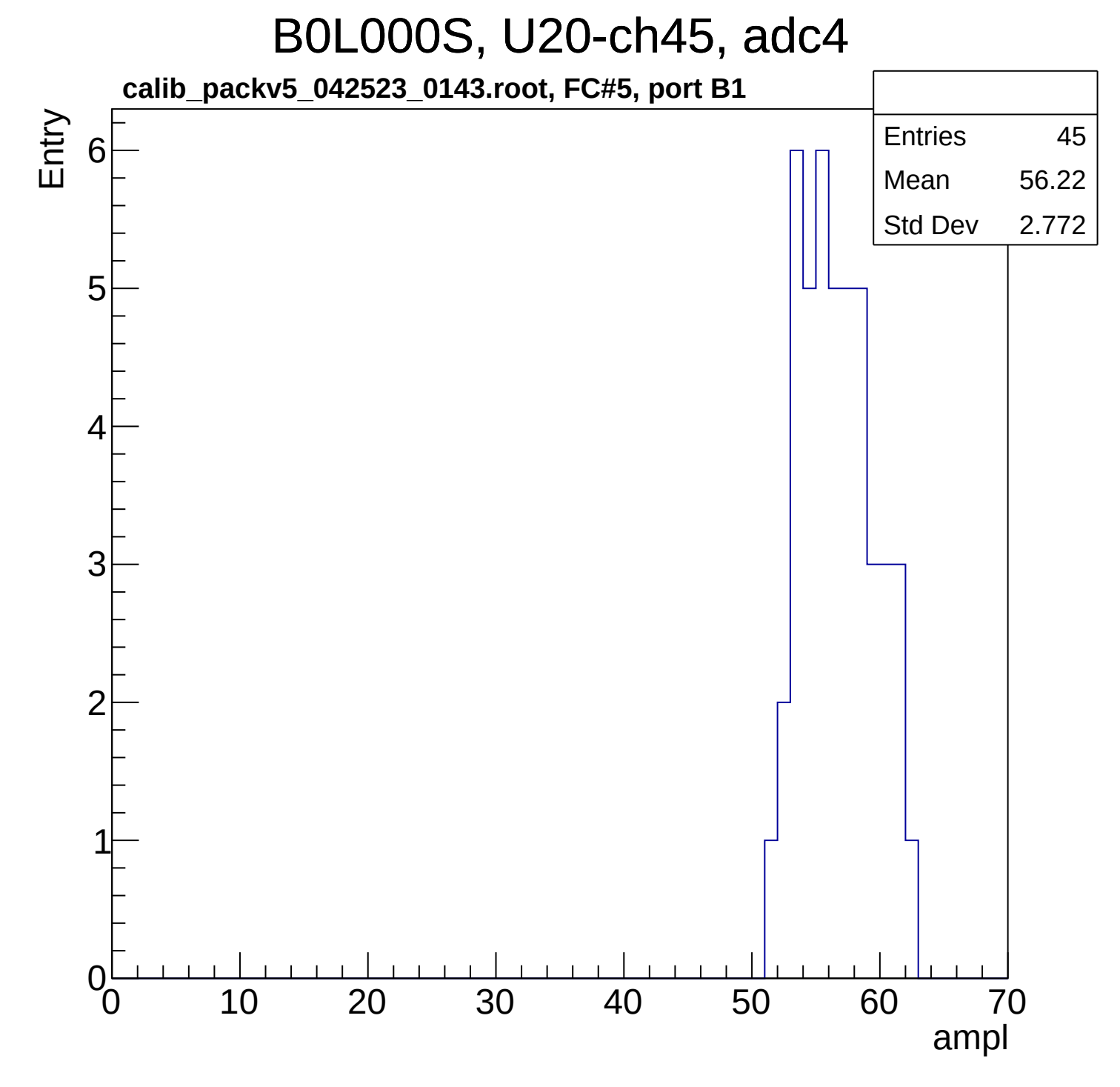
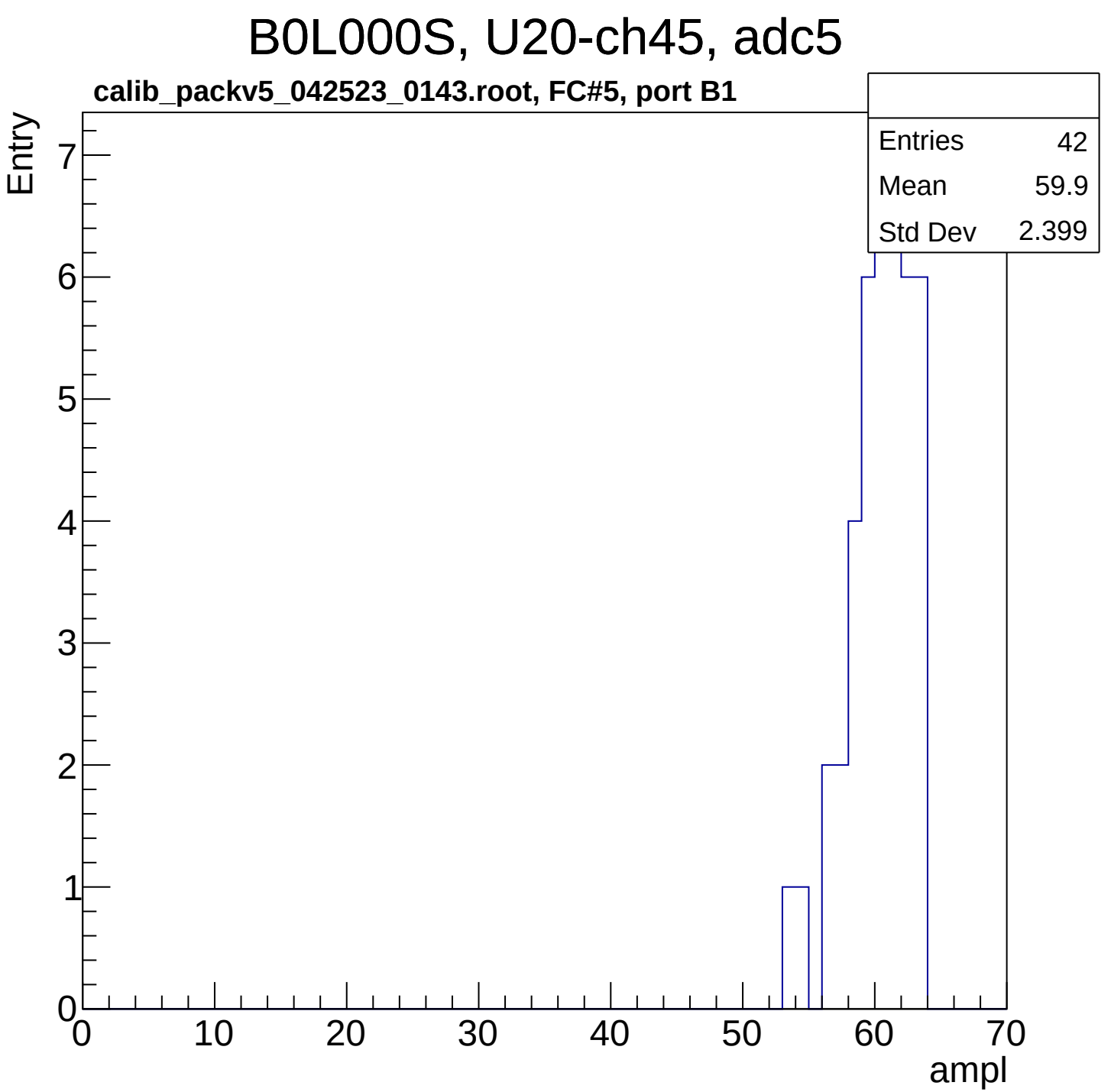
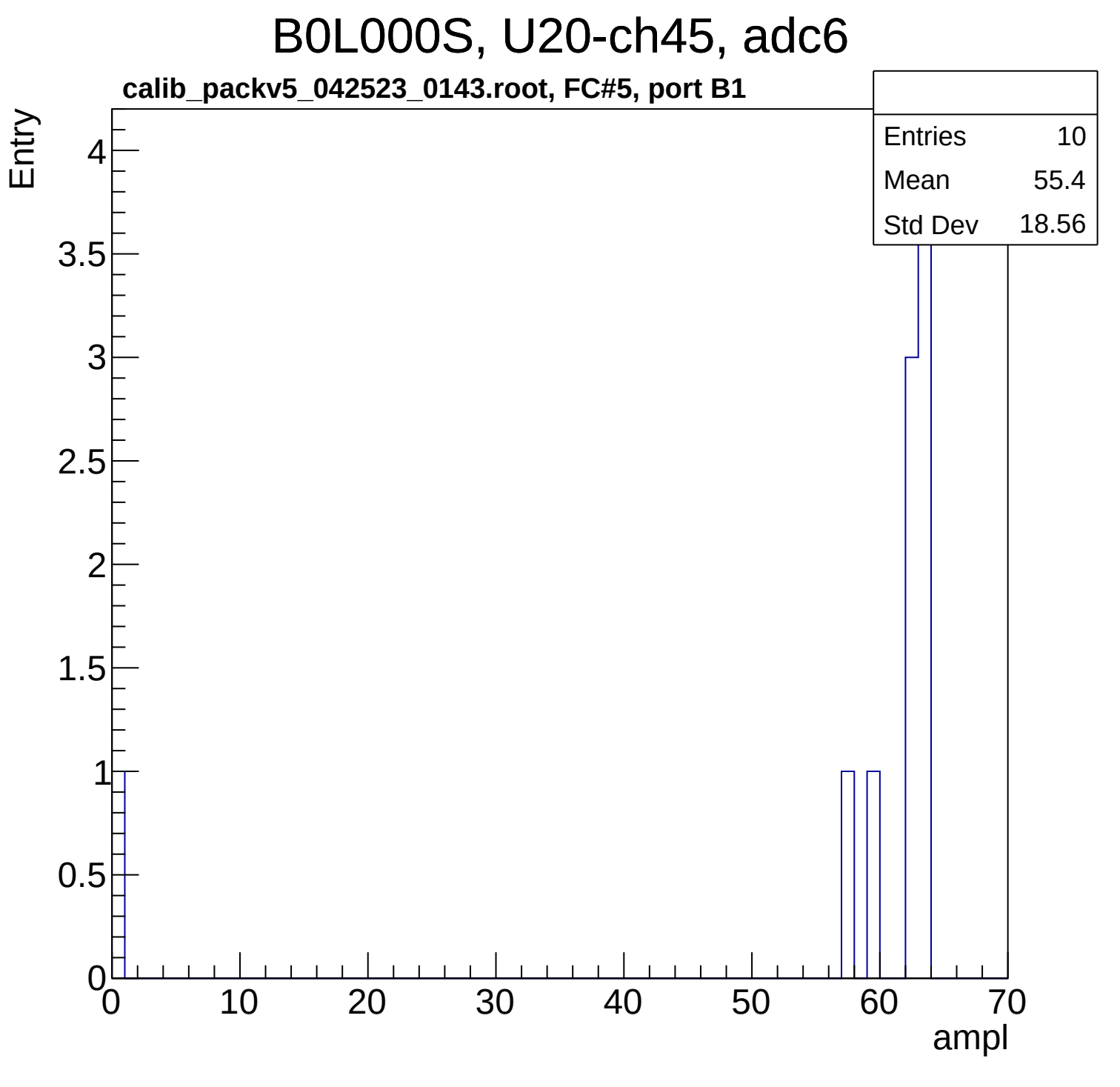

B0L000S, U20-ch45, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 56.22
Std Dev 2.772
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch45, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 59.9
Std Dev 2.399
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch45, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 55.4
Std Dev 18.56
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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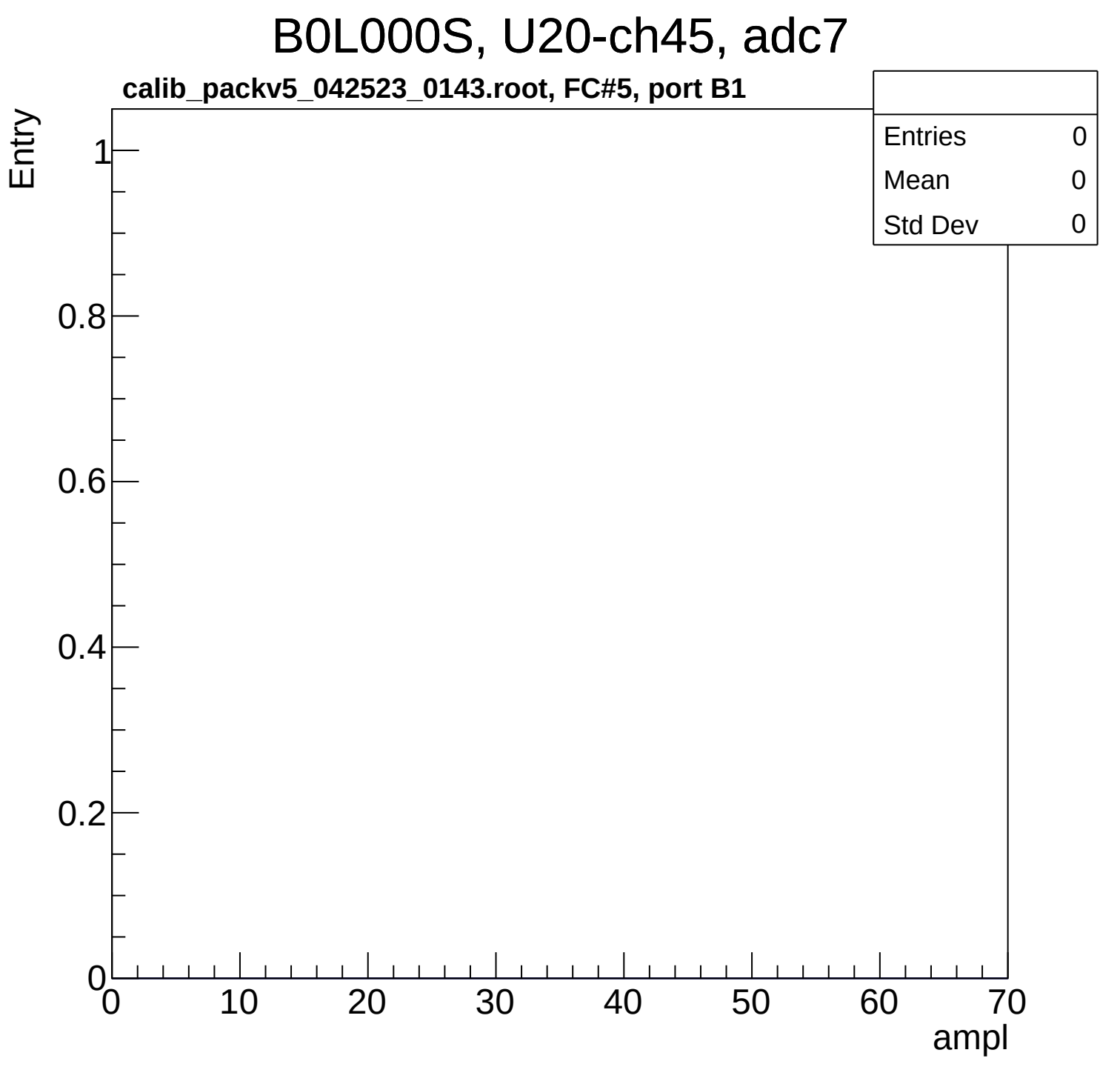
B0L000S, U20-ch45, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
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10
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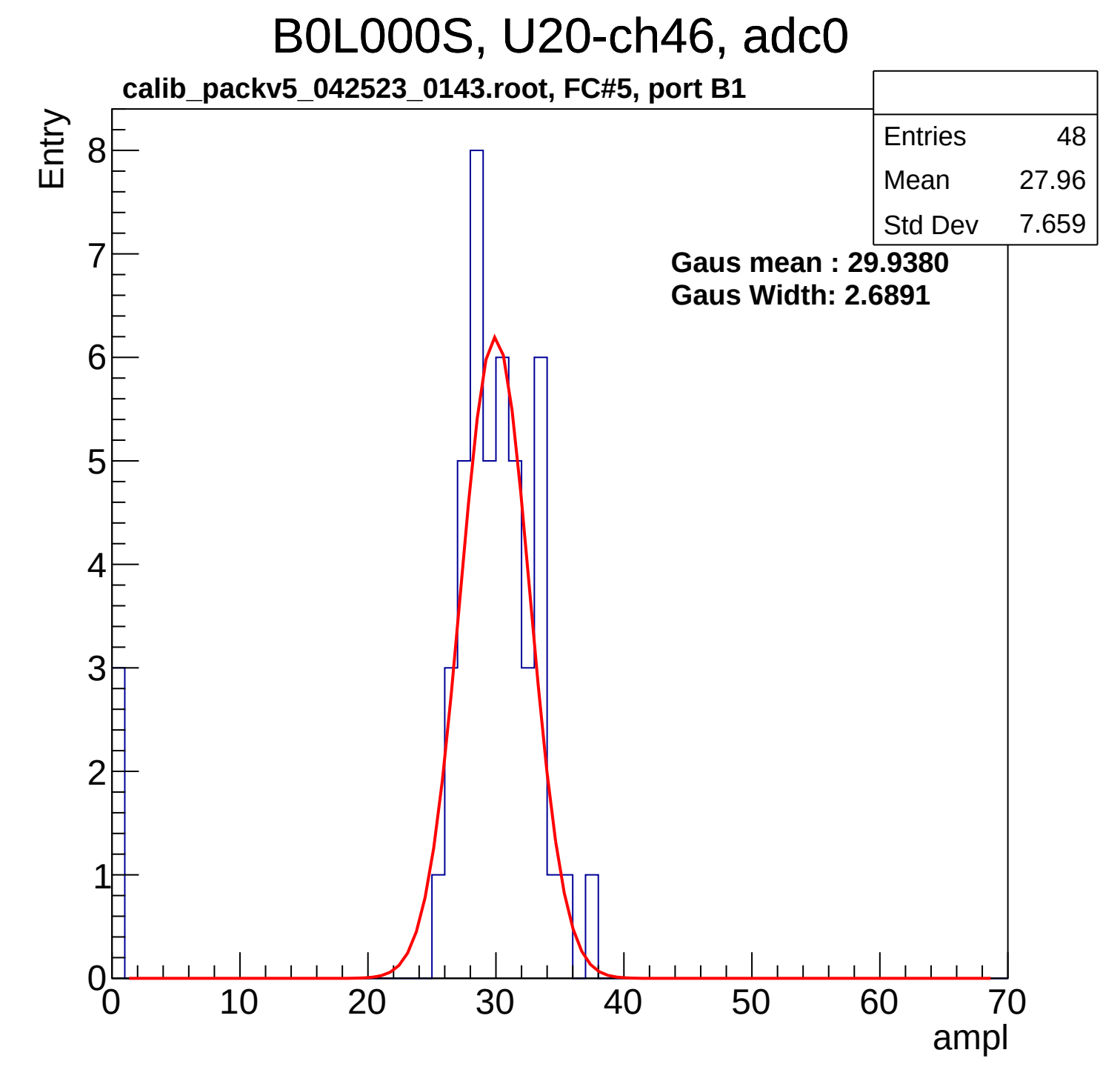
50
60
70
ampl


B0L000S, U20-ch46, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 27.96
Std Dev 7.659
Gaus mean : 29.9380
Gaus Width: 2.6891
Entry
ampl
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1
2
3
4
5
6
7
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0
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20
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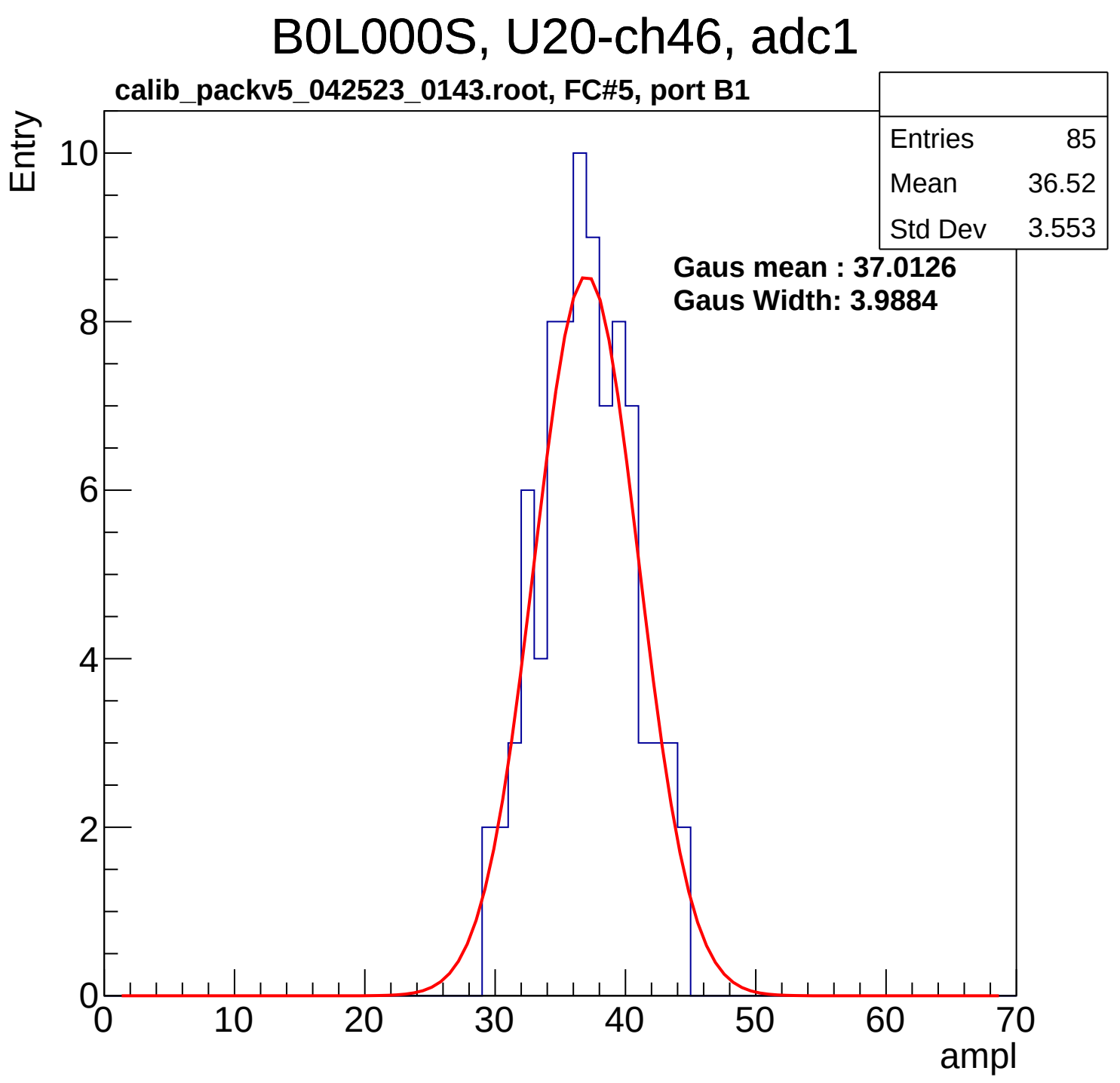
B0L000S, U20-ch46, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 85
Mean 36.52
Std Dev 3.553
Gaus mean : 37.0126
Gaus Width: 3.9884
Entry
ampl
0
2
4
6
8
10
0
10
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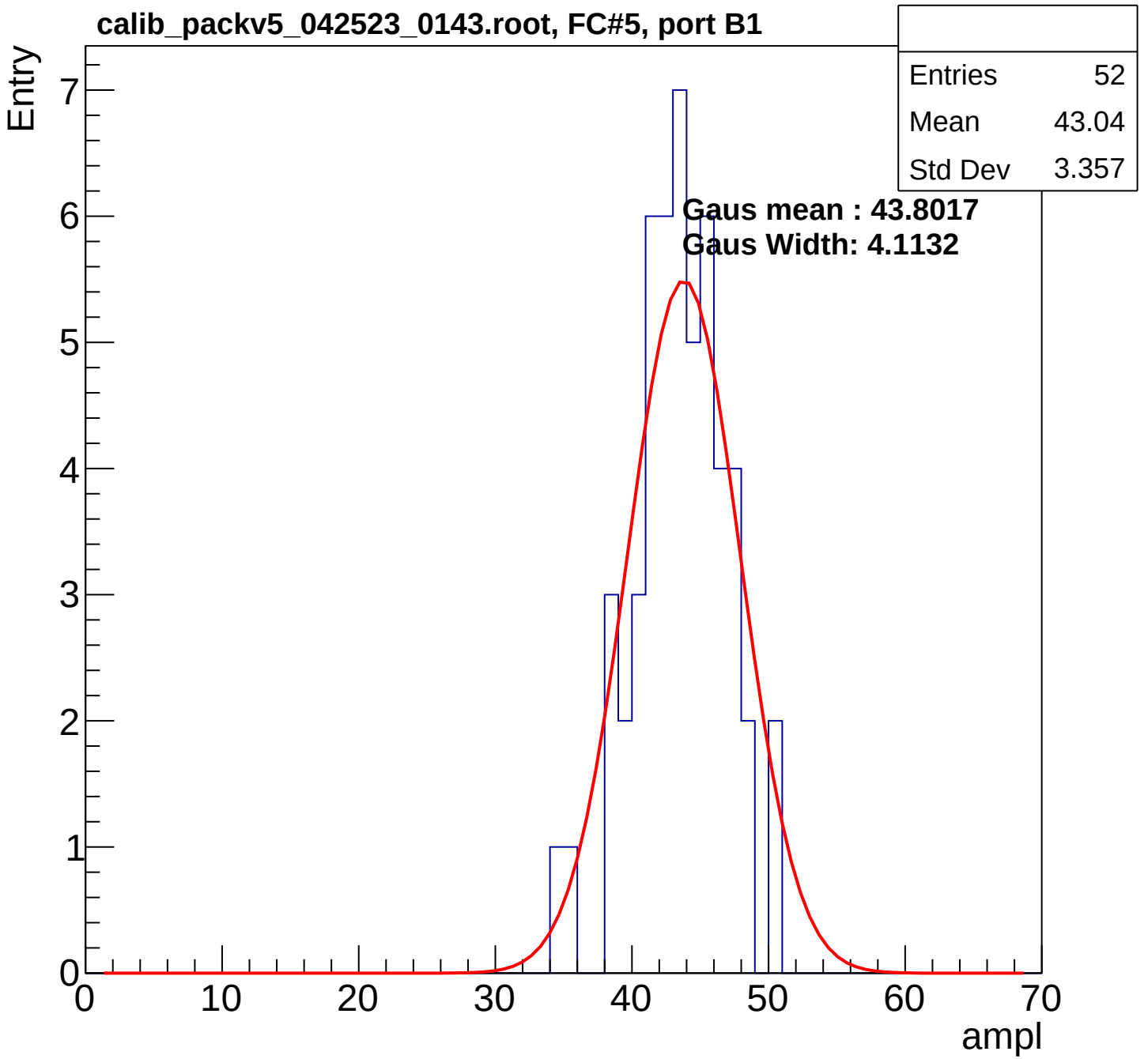
B0L000S, U20-ch46, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 43.04
Std Dev 3.357
Gaus mean : 43.8017
Gaus Width: 4.1132
Entry
ampl
0
1
2
3
4
5
6
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0
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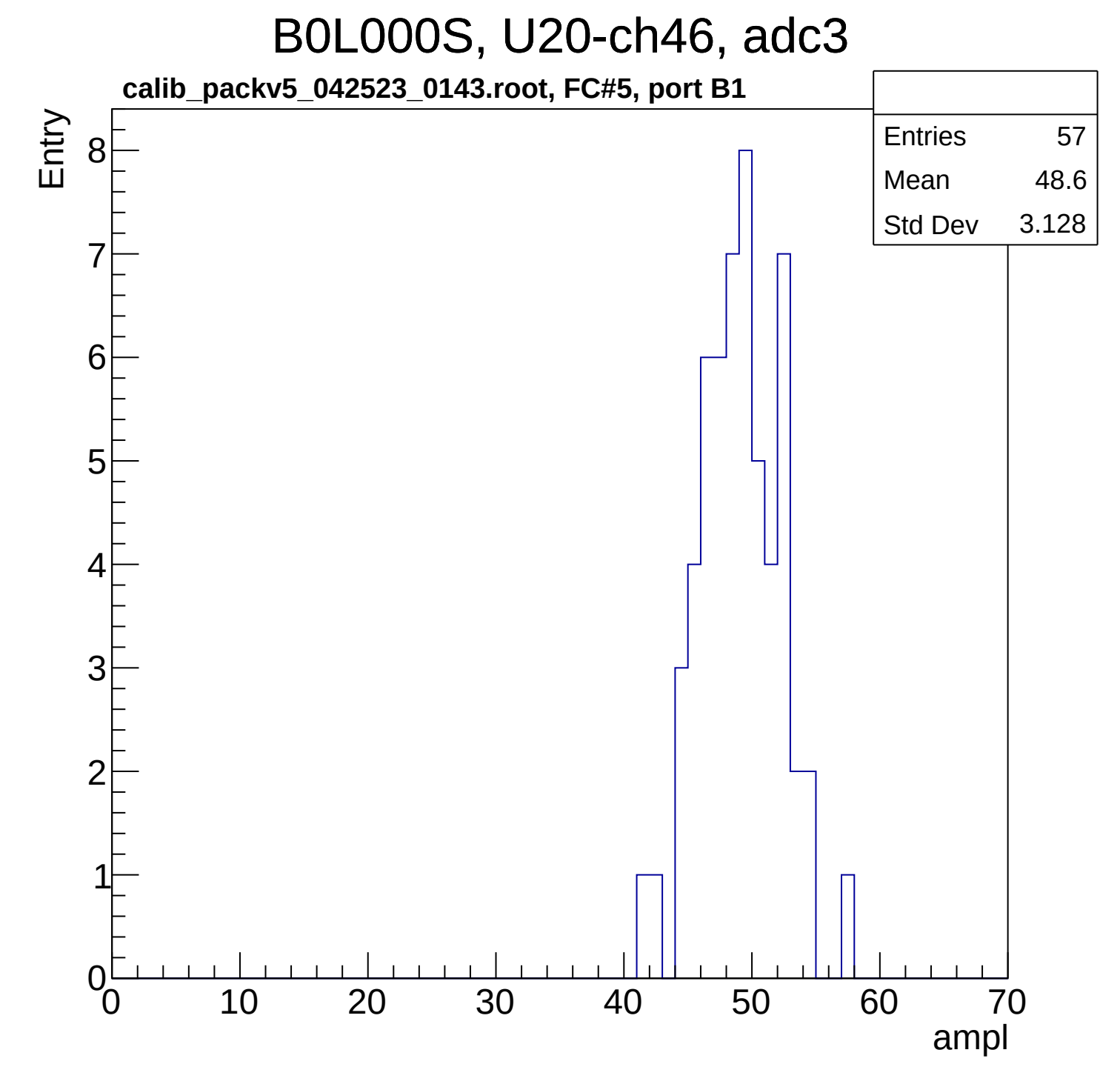
B0L000S, U20-ch46, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 48.6
Std Dev 3.128
Entry
ampl
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1
2
3
4
5
6
7
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0
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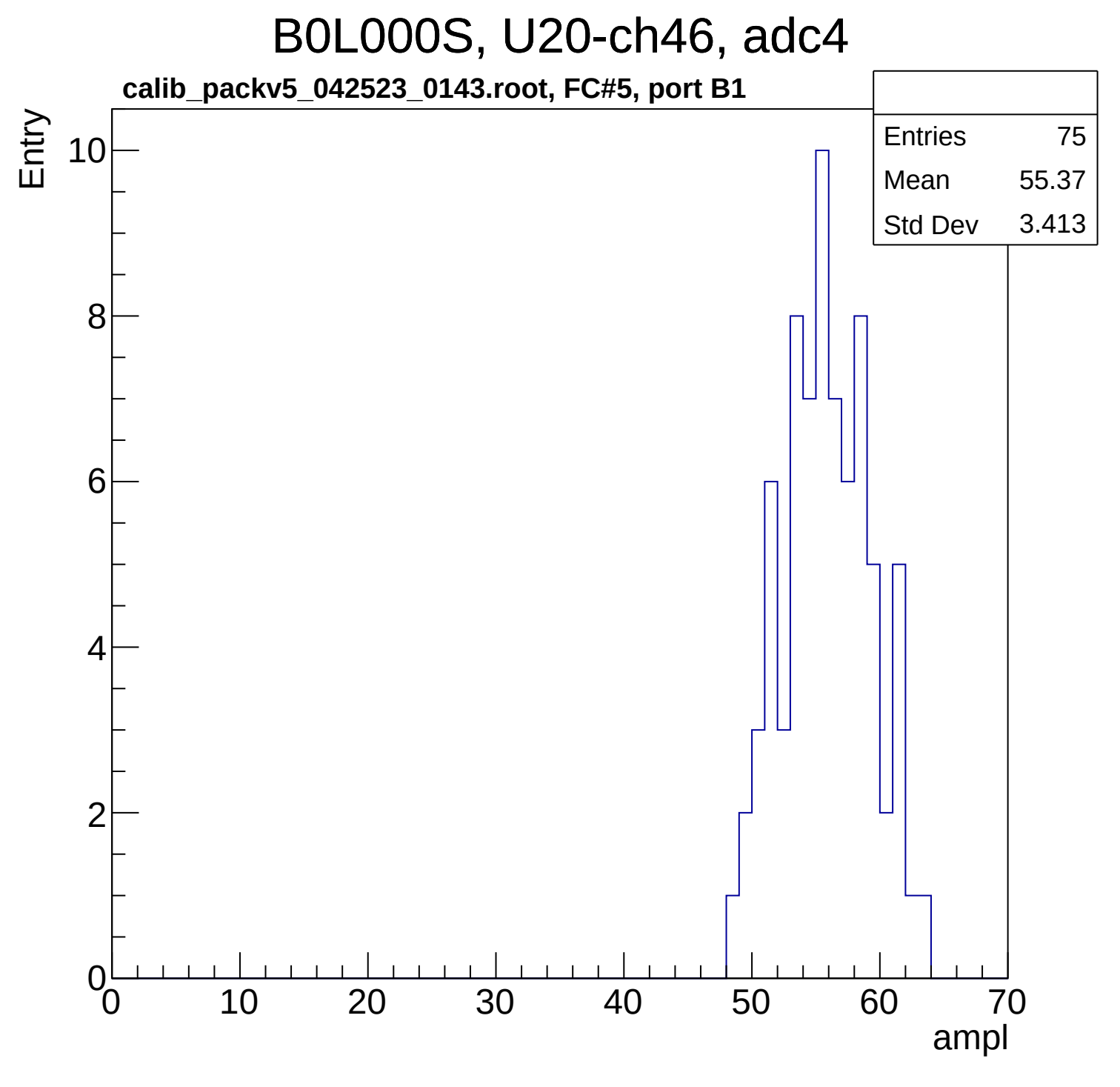
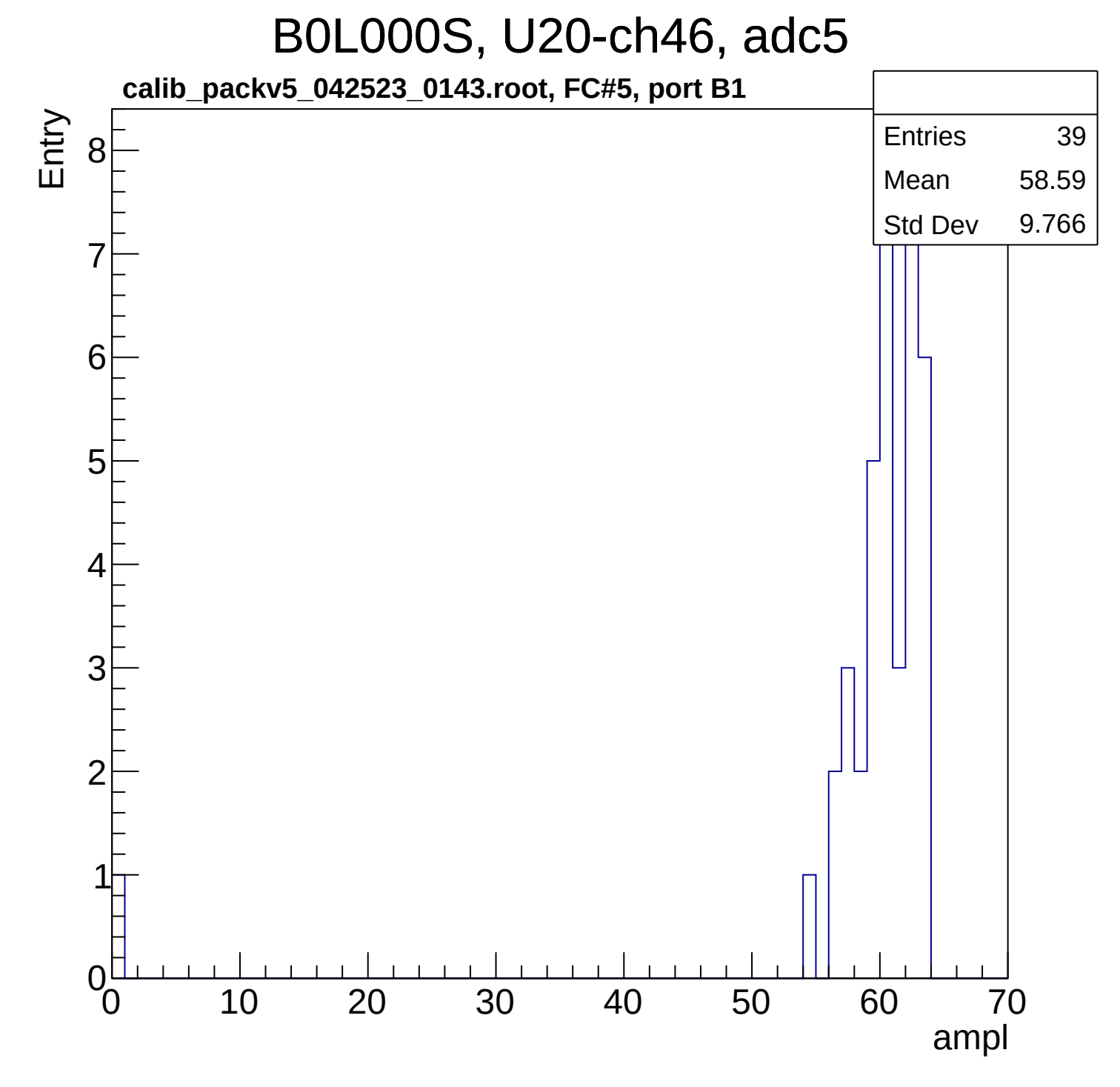

B0L000S, U20-ch46, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 55.37
Std Dev 3.413
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch46, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 39
Mean 58.59
Std Dev 9.766
Entry
ampl
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1
2
3
4
5
6
7
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0
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20
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40
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60
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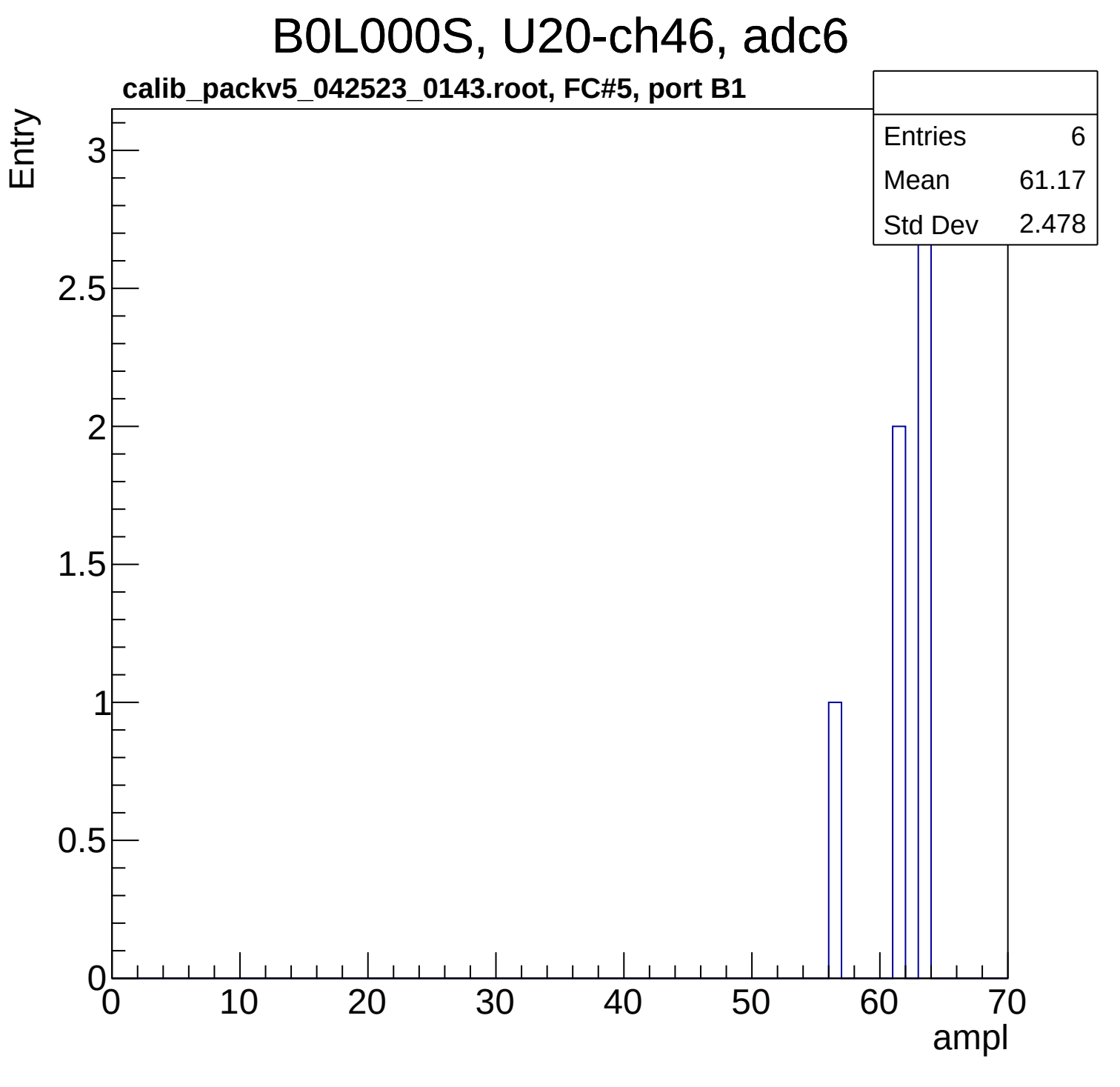
B0L000S, U20-ch46, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 61.17
Std Dev 2.478
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
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60
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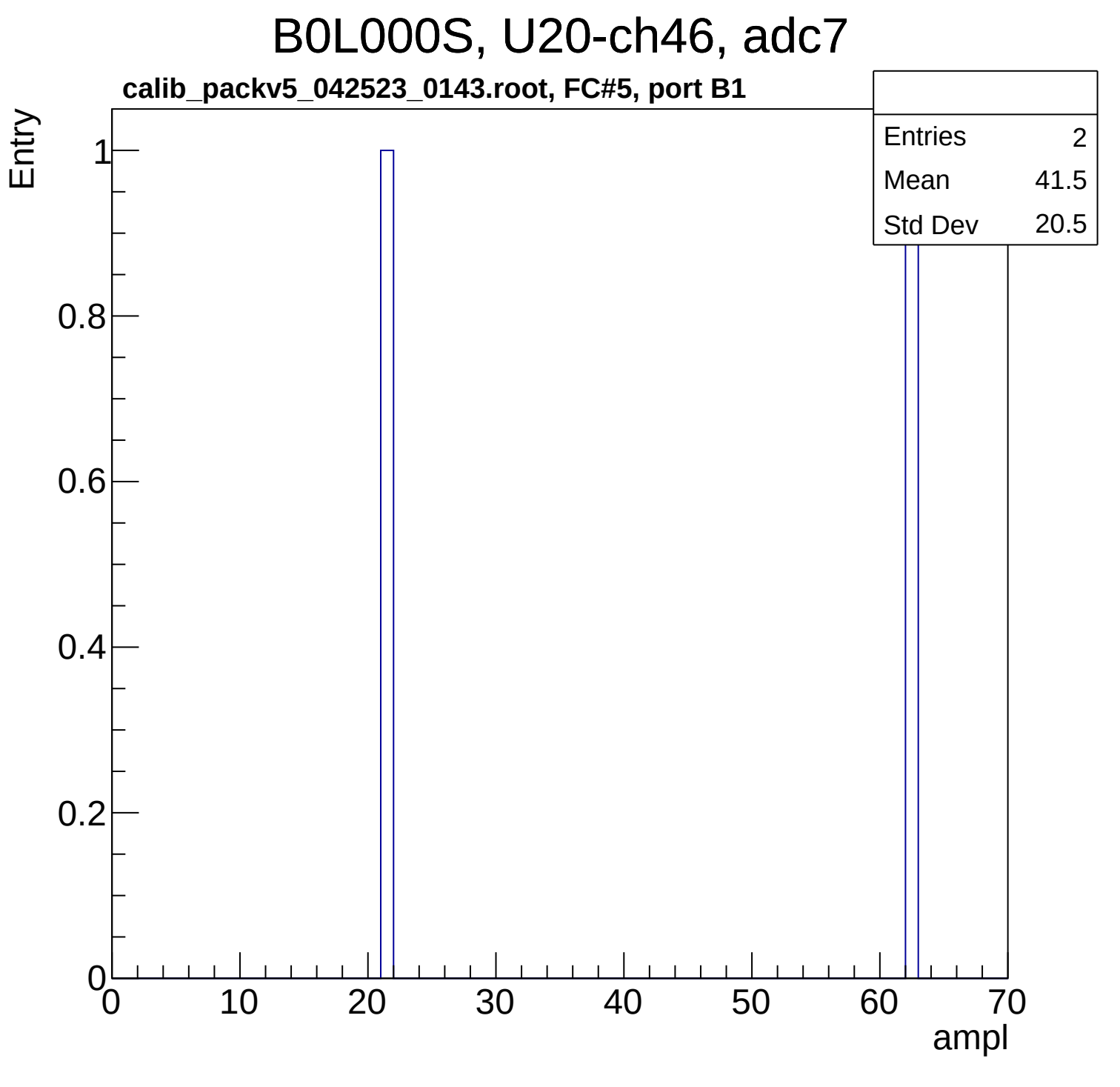
B0L000S, U20-ch46, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 41.5
Std Dev 20.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
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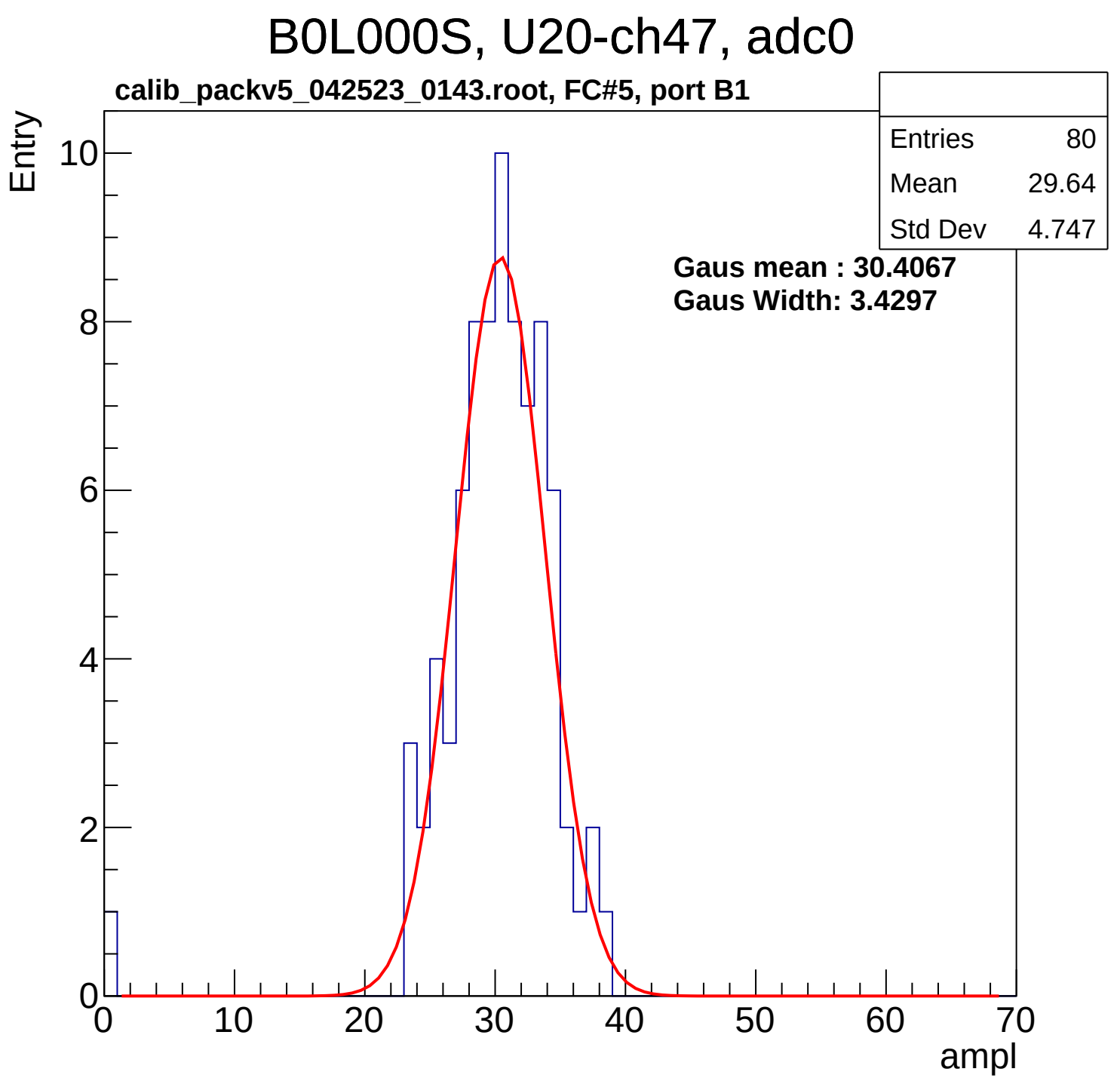
B0L000S, U20-ch47, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 29.64
Std Dev 4.747
Gaus mean : 30.4067
Gaus Width: 3.4297
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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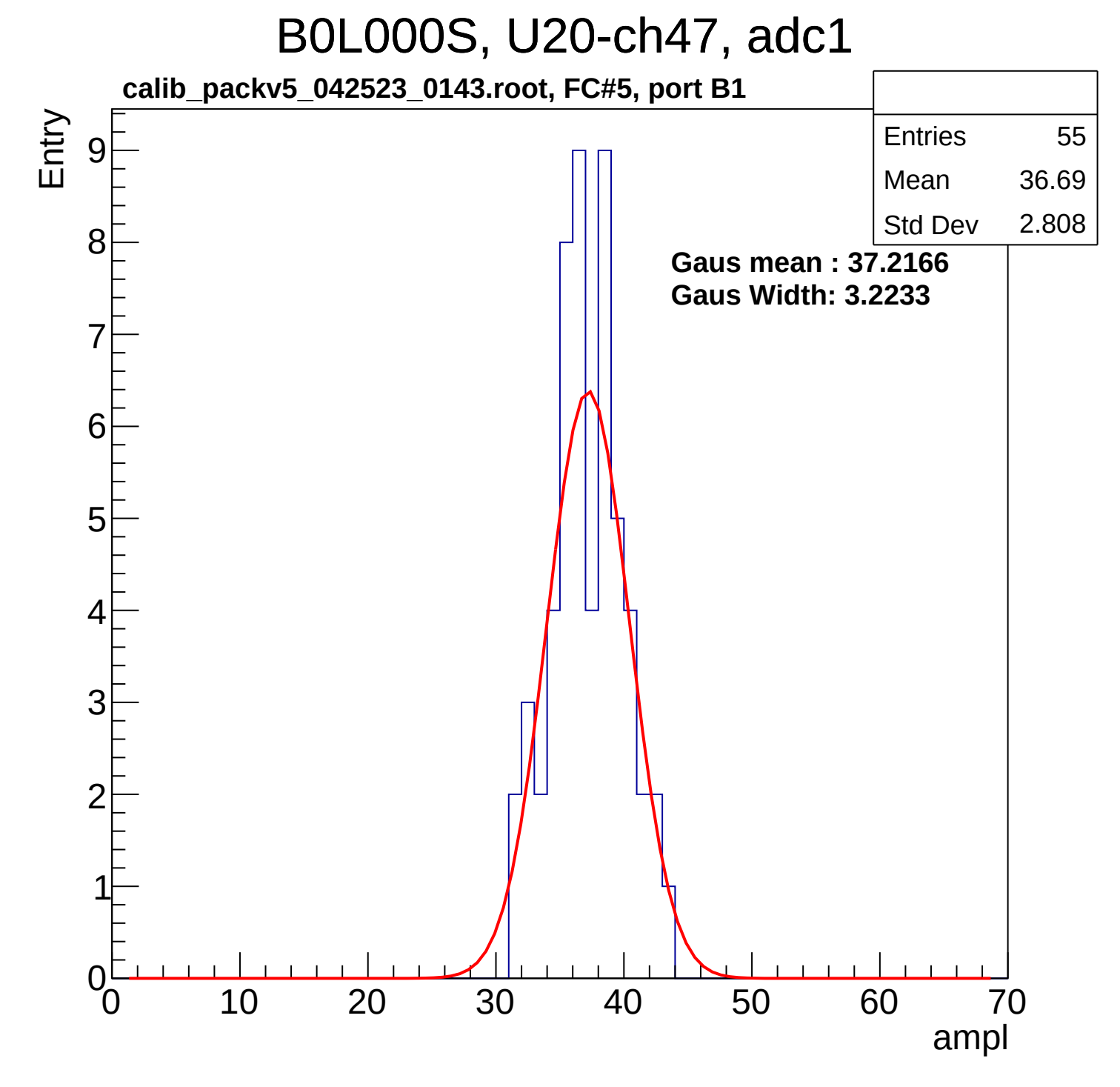
B0L000S, U20-ch47, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 36.69
Std Dev 2.808
Gaus mean : 37.2166
Gaus Width: 3.2233
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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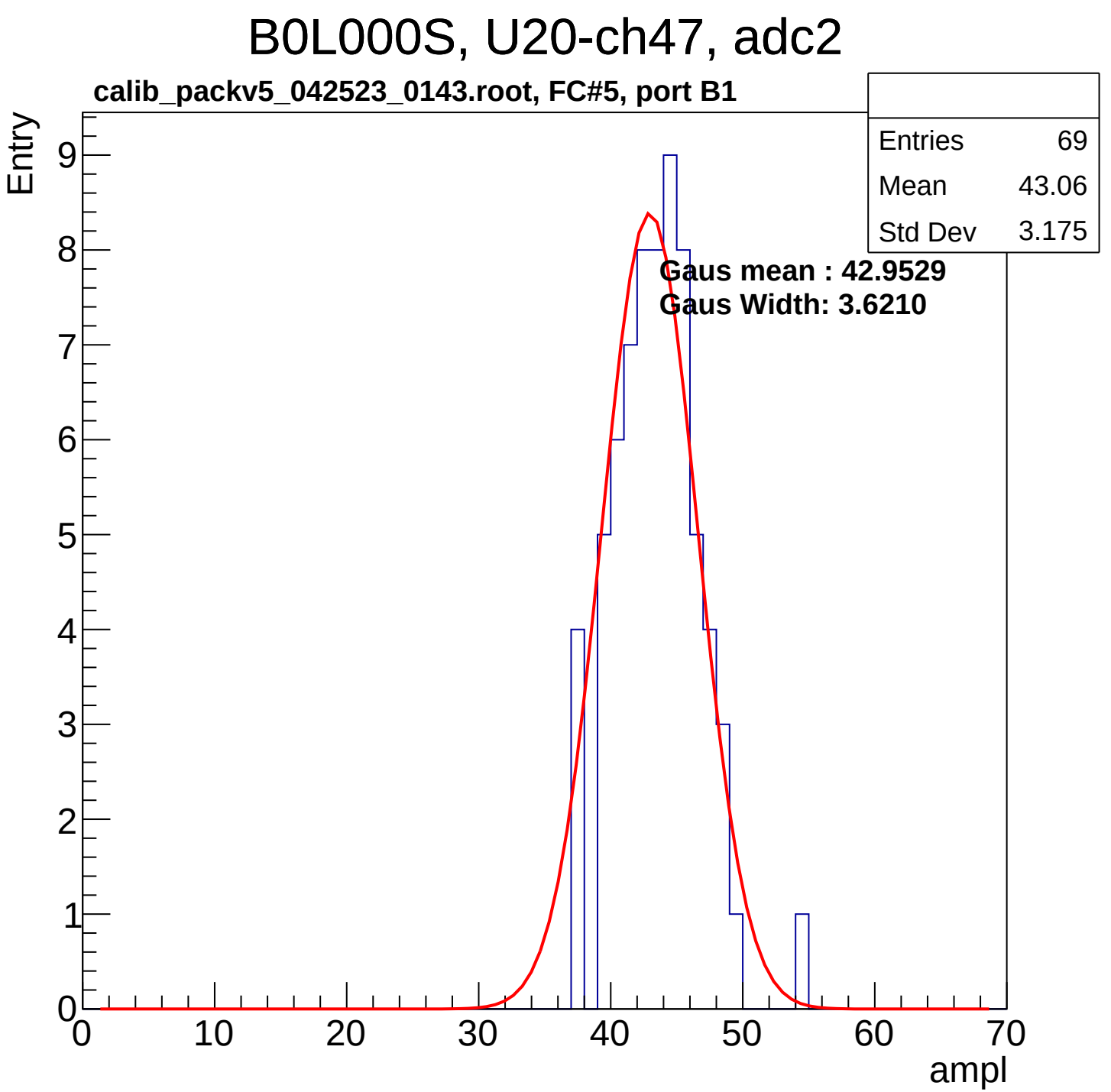
B0L000S, U20-ch47, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 43.06
Std Dev 3.175
Gaus mean : 42.9529
Gaus Width: 3.6210
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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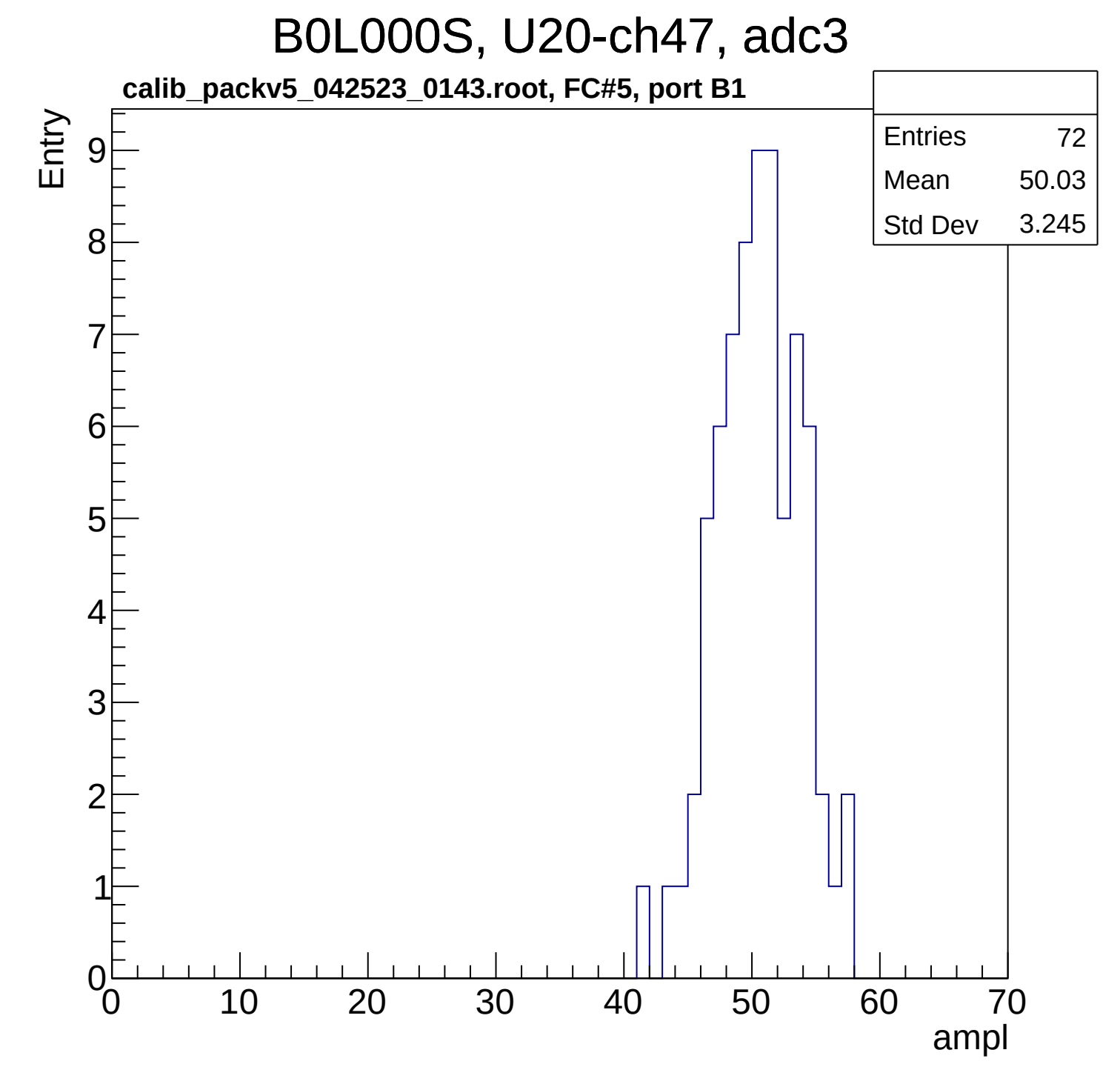
B0L000S, U20-ch47, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 50.03
Std Dev 3.245
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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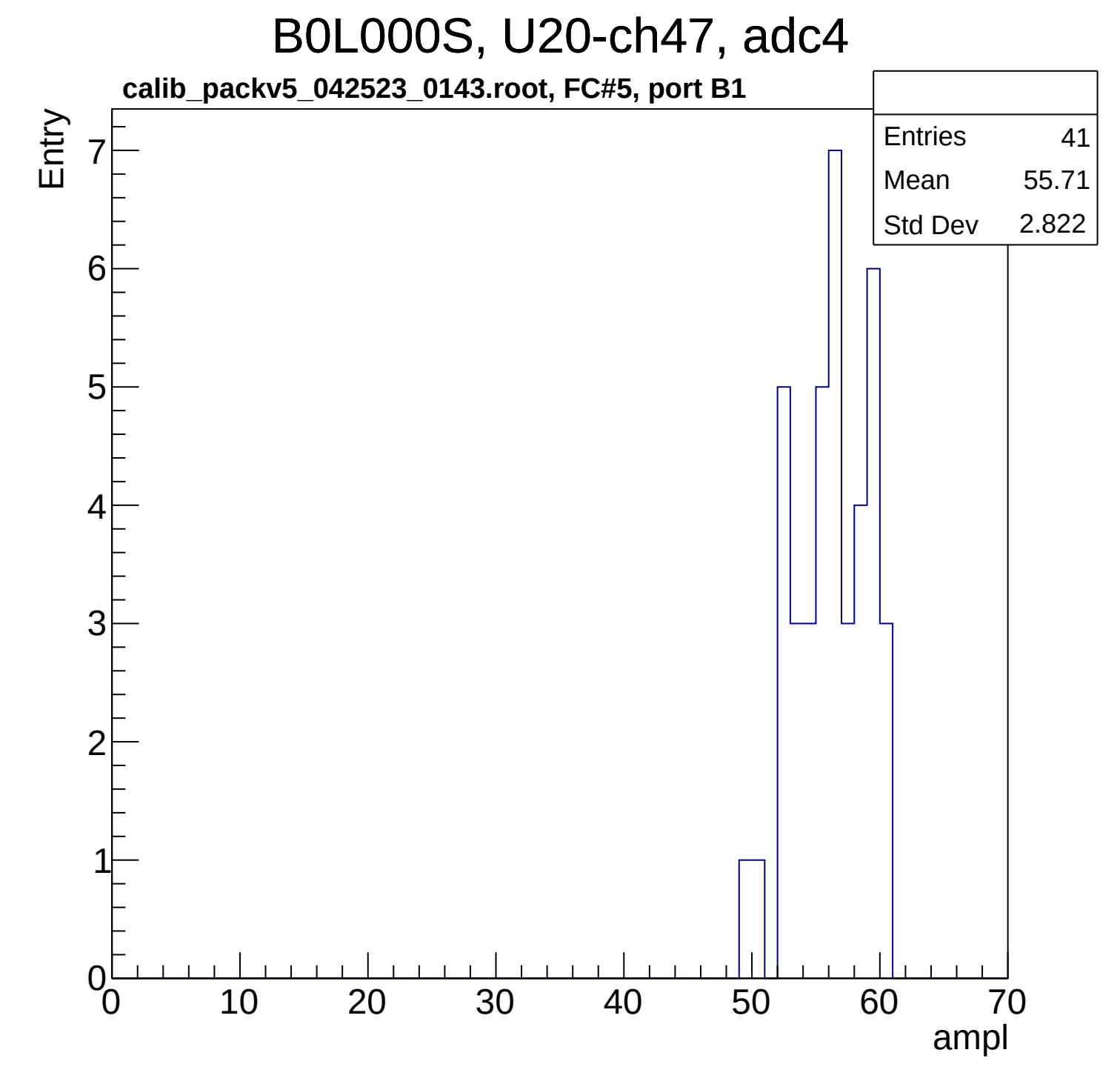
B0L000S, U20-ch47, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 55.71
Std Dev 2.822
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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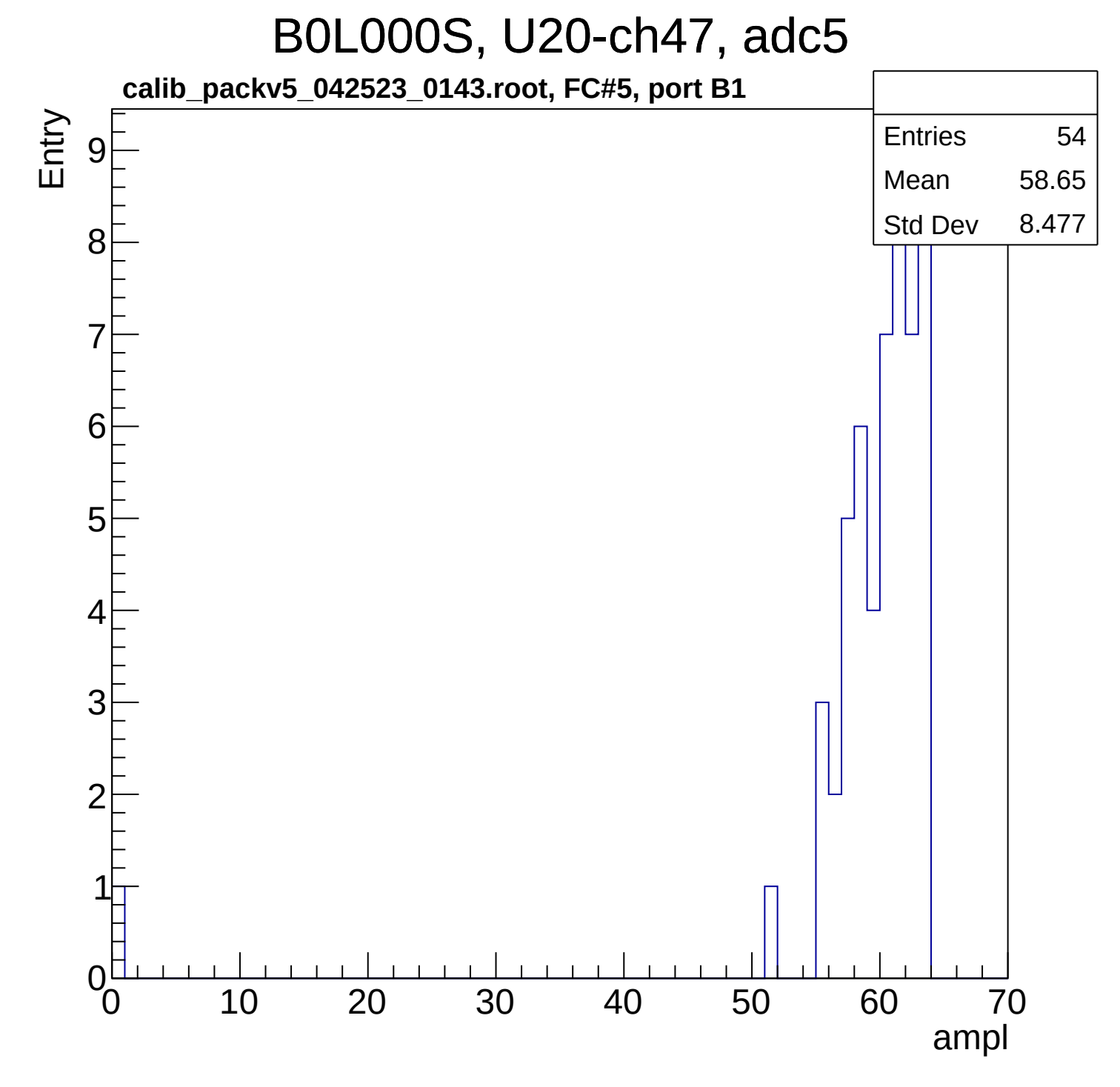
B0L000S, U20-ch47, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 58.65
Std Dev 8.477
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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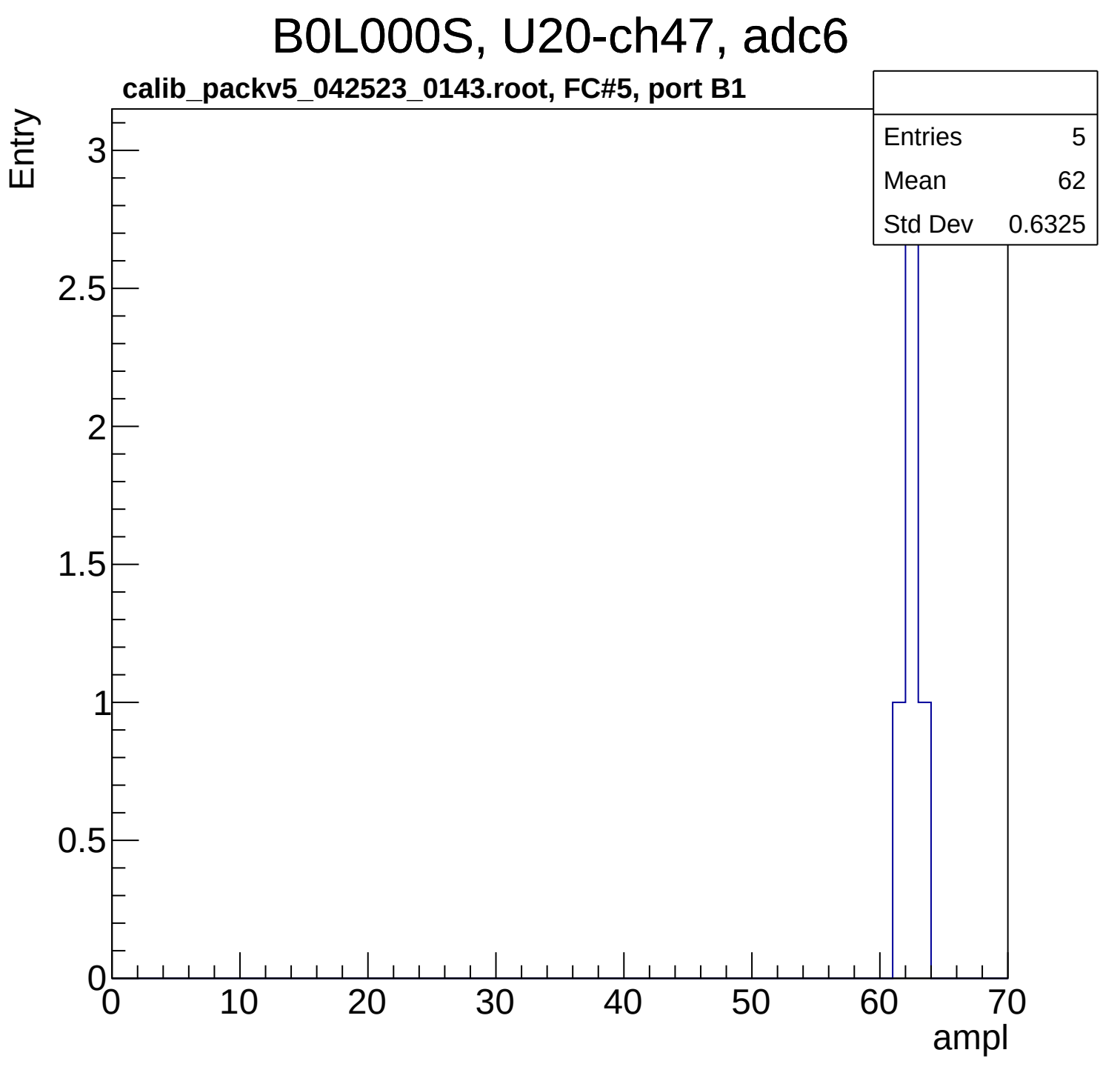
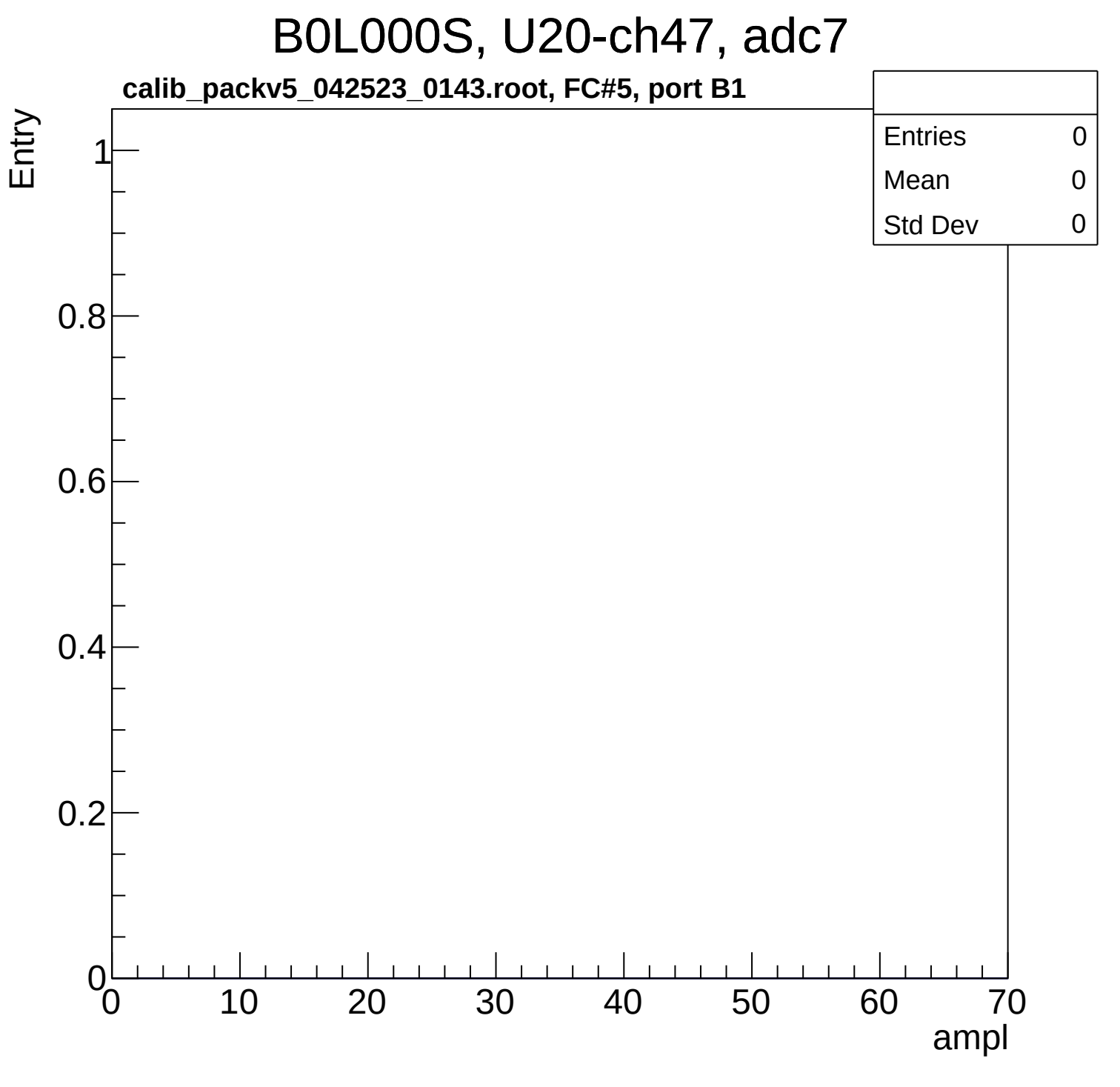
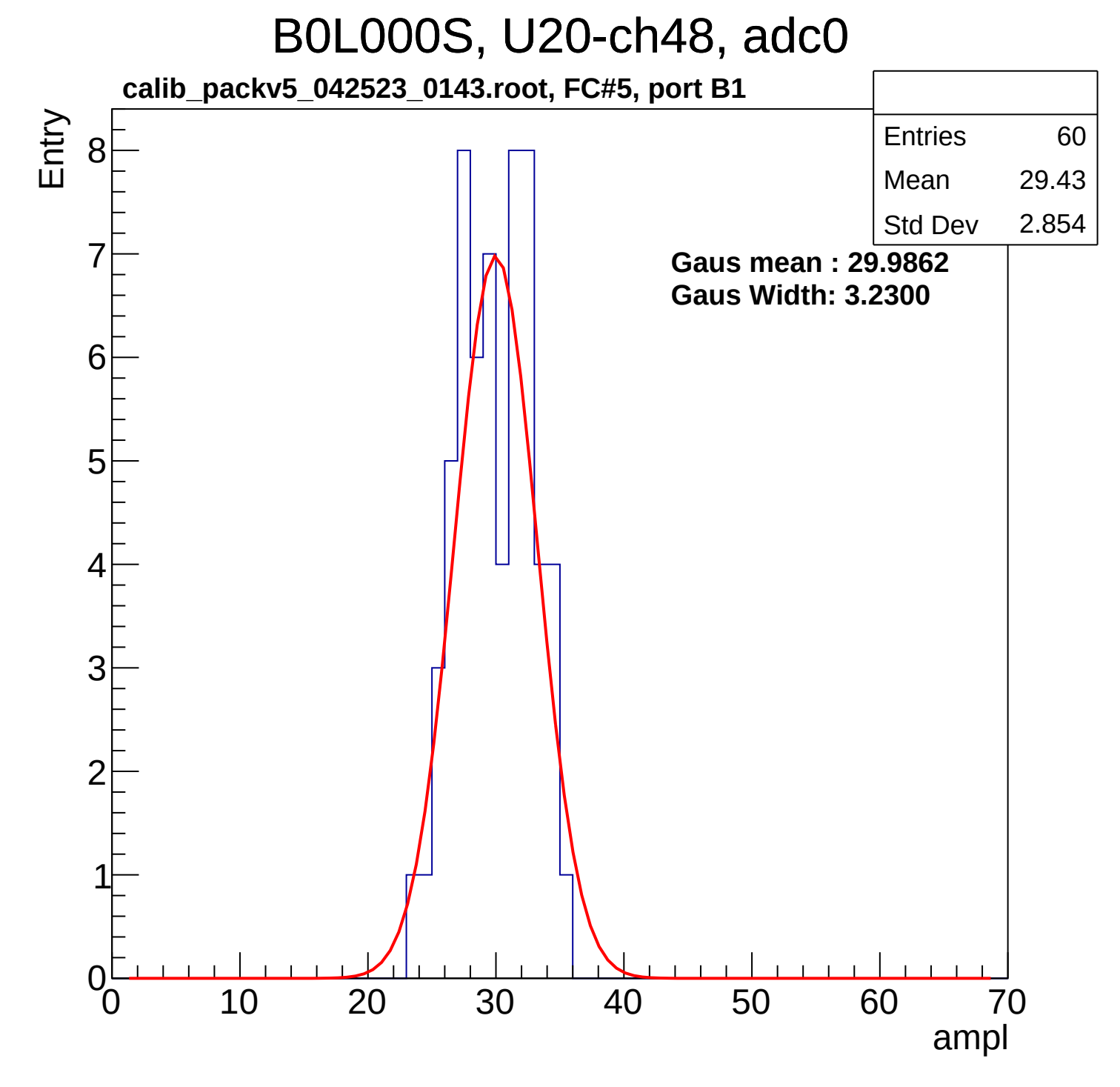

B0L000S, U20-ch47, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 62
Std Dev 0.6325
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch47, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch48, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 29.43
Std Dev 2.854
Gaus mean : 29.9862
Gaus Width: 3.2300
Entry
ampl
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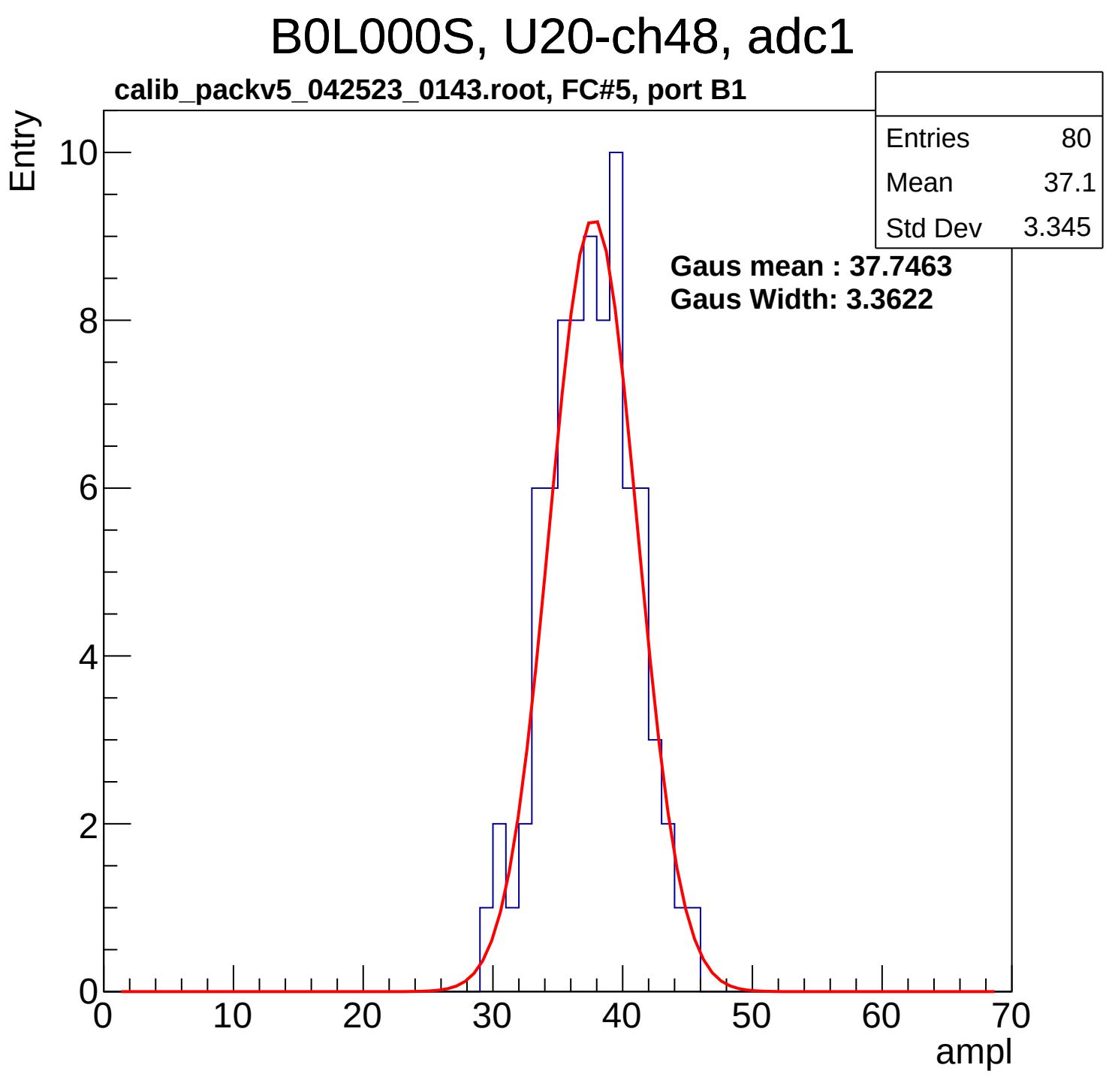
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch48, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 37.1
Std Dev 3.345
Gaus mean : 37.7463
Gaus Width: 3.3622
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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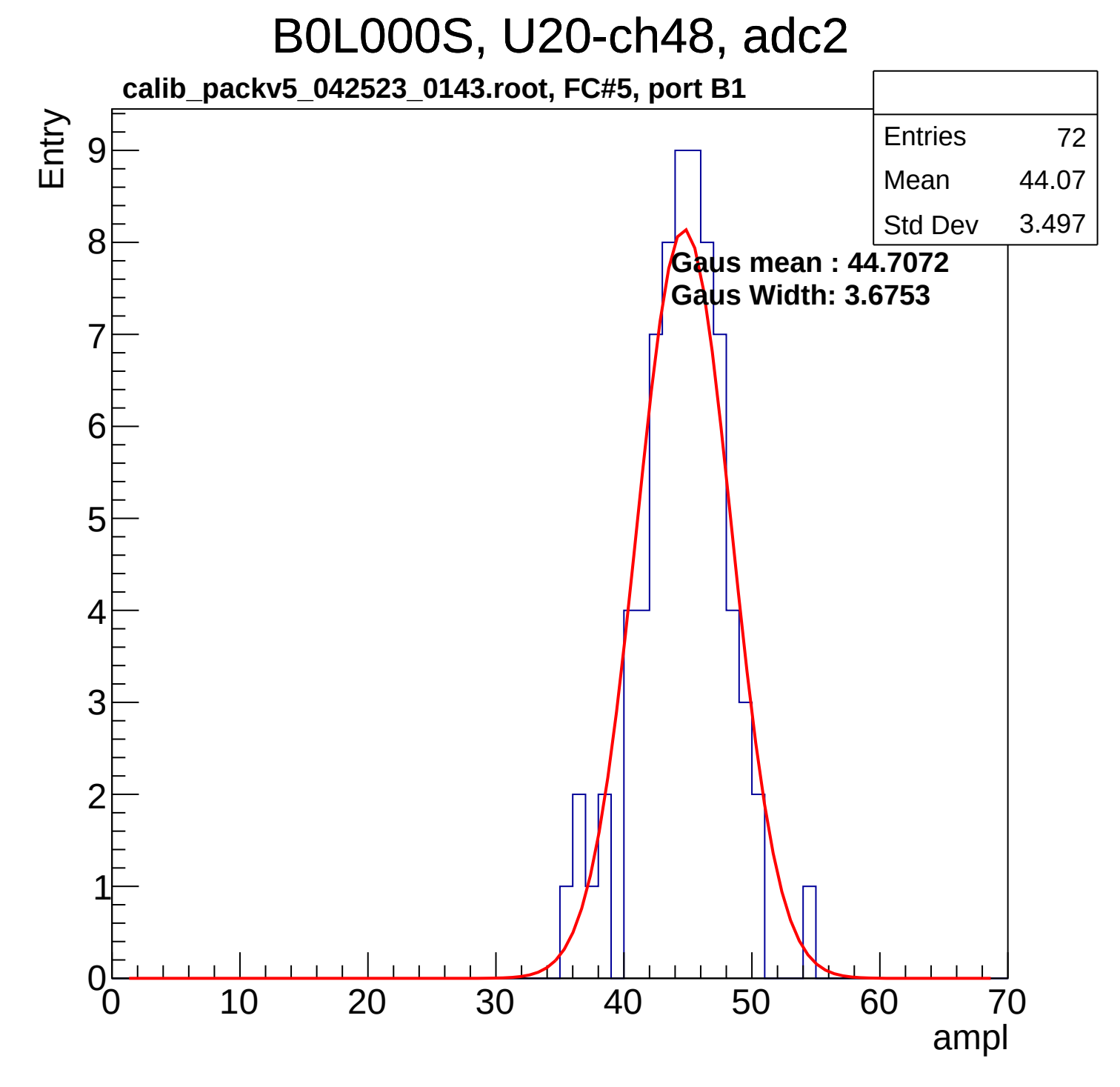
B0L000S, U20-ch48, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 44.07
Std Dev 3.497
Gaus mean : 44.7072
Gaus Width: 3.6753
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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60
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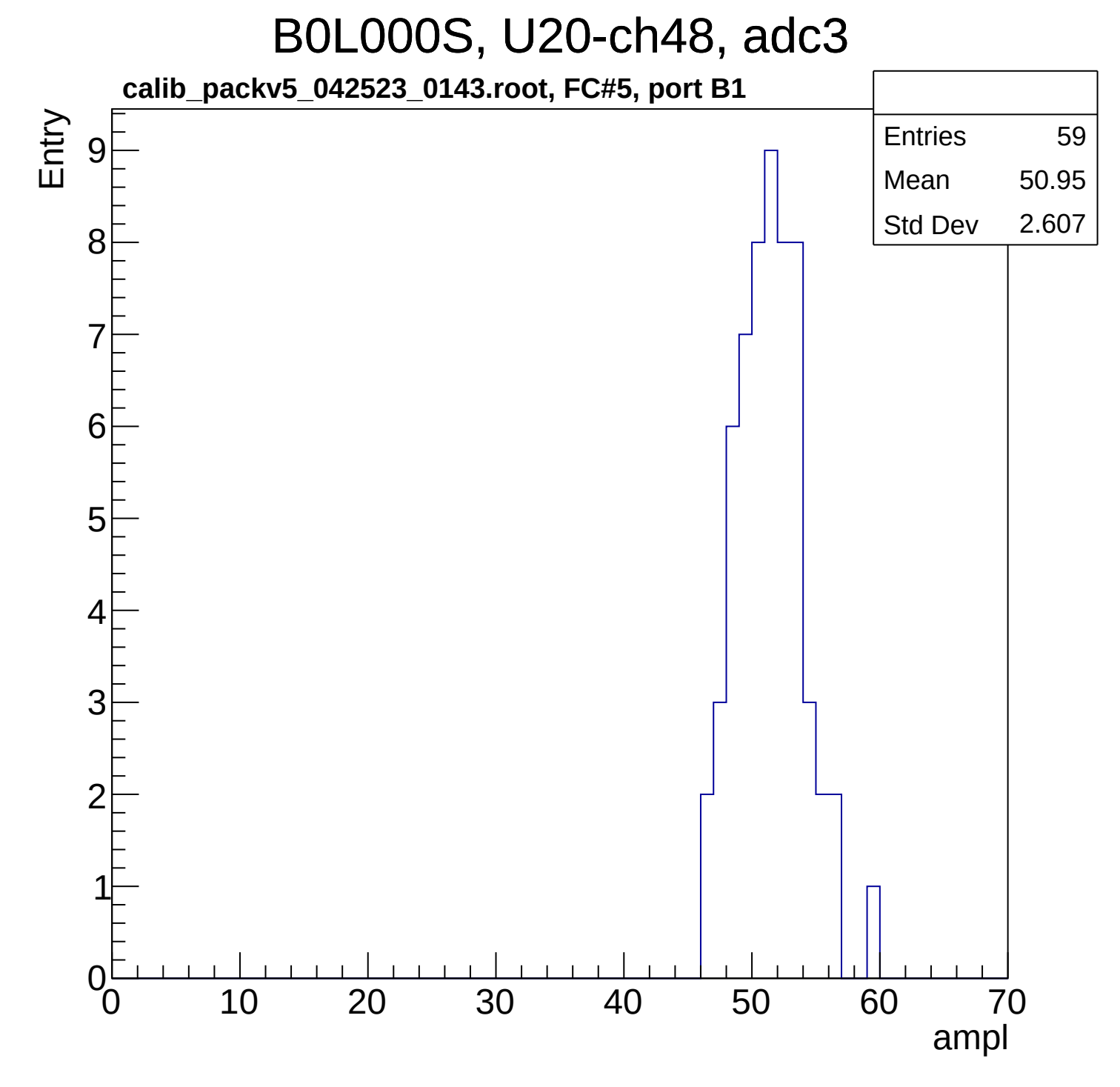
B0L000S, U20-ch48, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 50.95
Std Dev 2.607
Entry
ampl
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2
3
4
5
6
7
8
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0
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60
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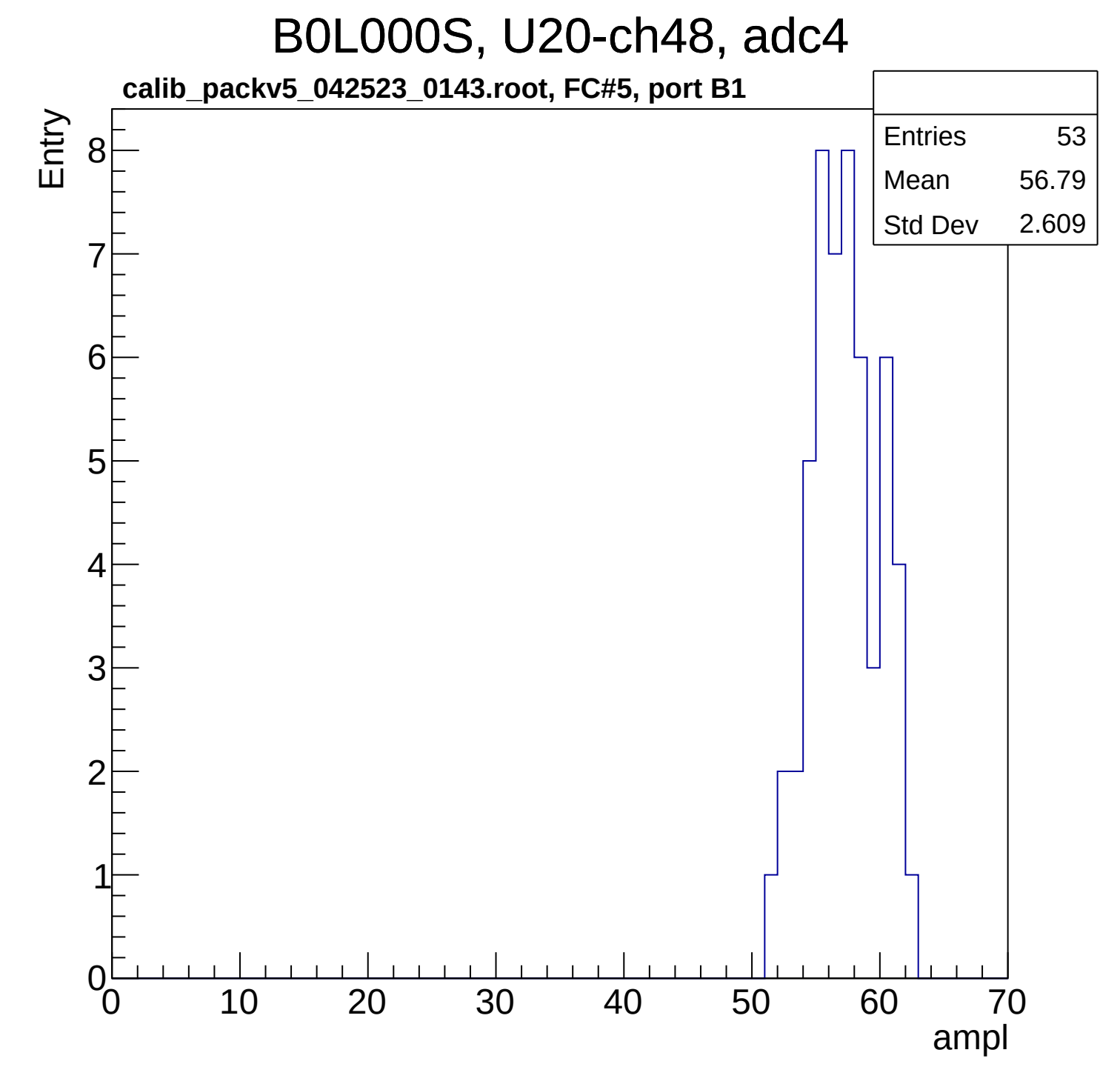
B0L000S, U20-ch48, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 56.79
Std Dev 2.609
Entry
ampl
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2
3
4
5
6
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0
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60
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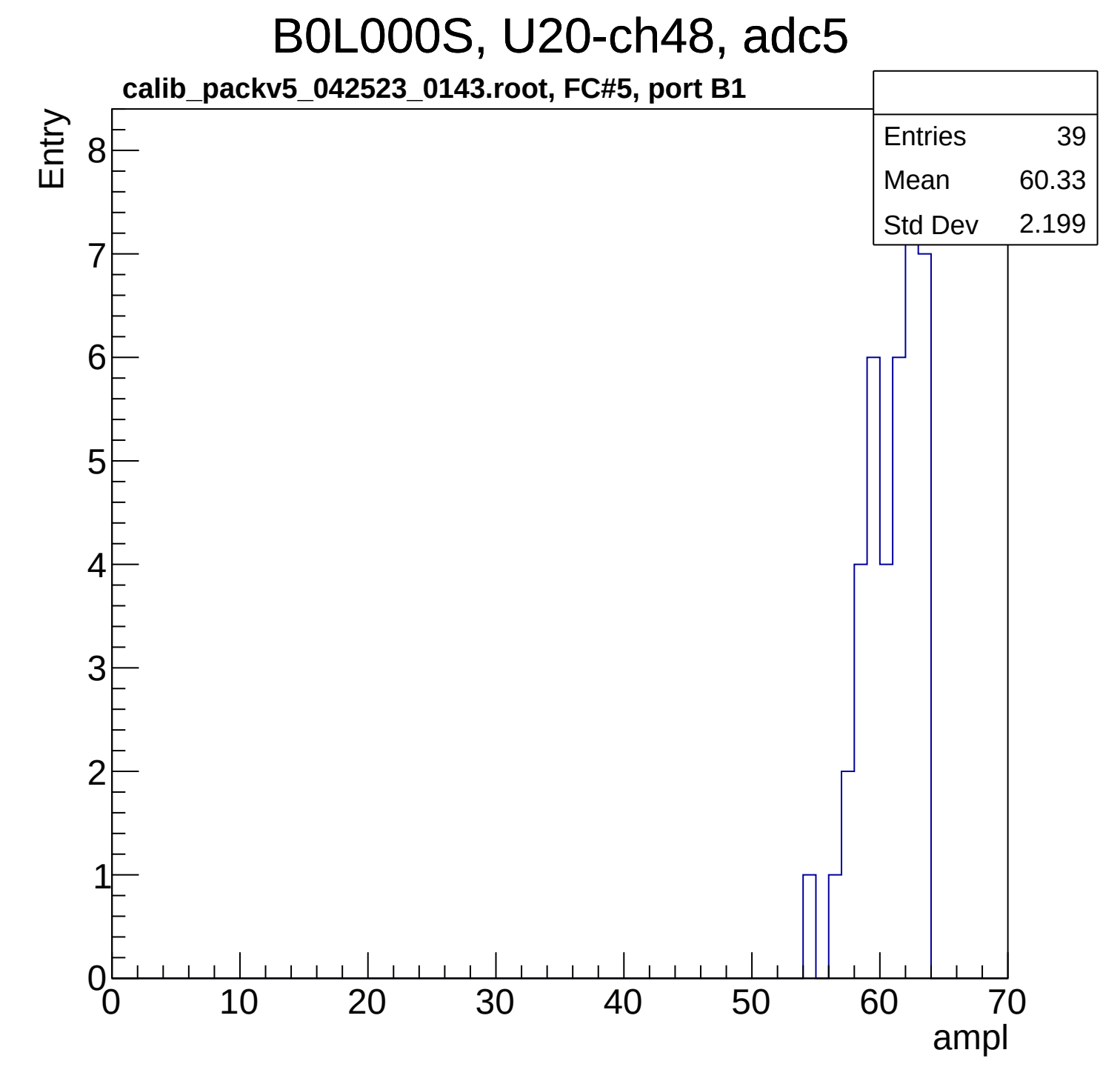
B0L000S, U20-ch48, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 39
Mean 60.33
Std Dev 2.199
Entry
ampl
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2
3
4
5
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0
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20
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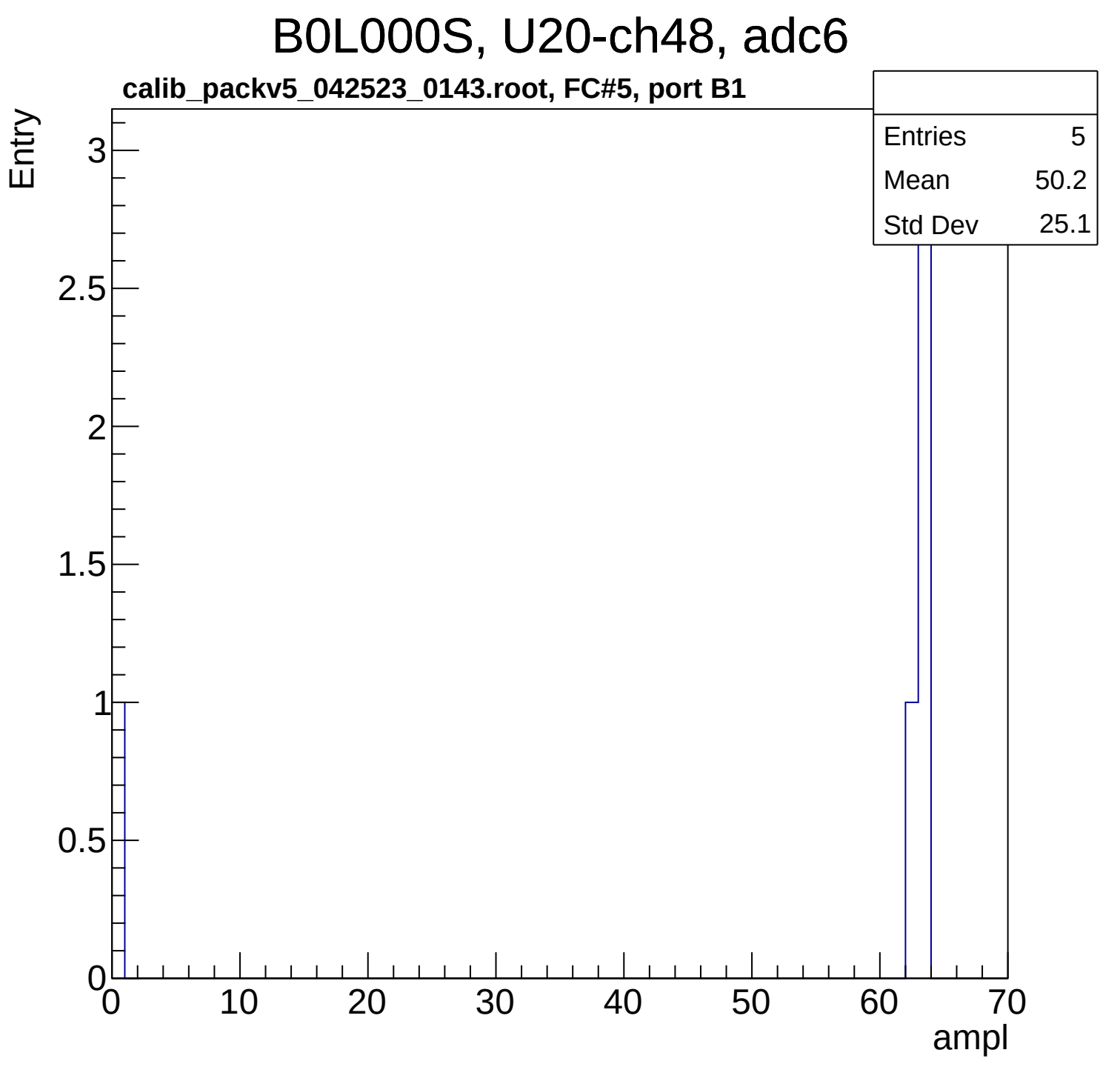
B0L000S, U20-ch48, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 50.2
Std Dev 25.1
Entry
ampl
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1
1.5
2
2.5
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0
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20
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60
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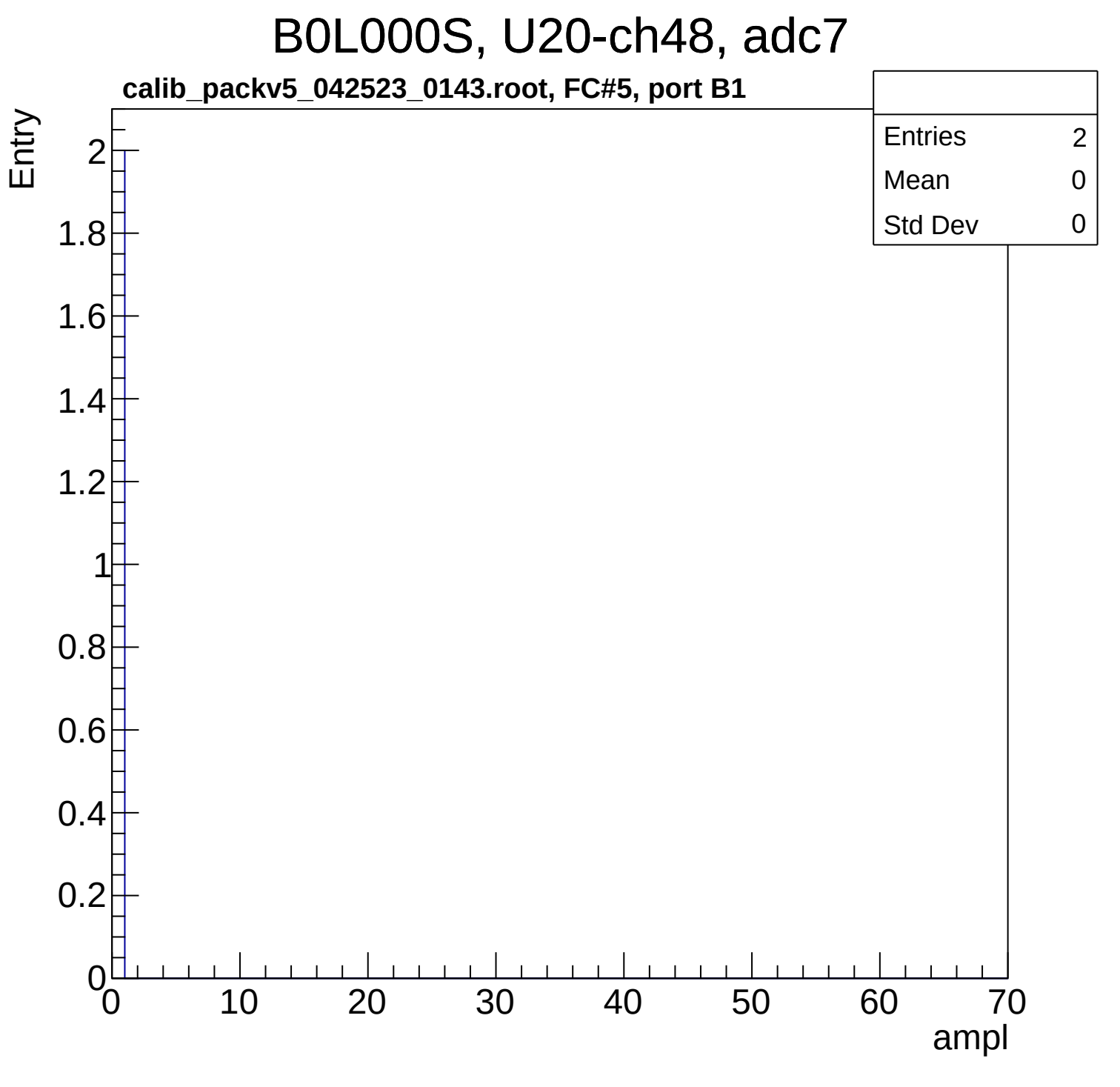
B0L000S, U20-ch48, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
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0.8
0.6
0.4
0.2
0
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10
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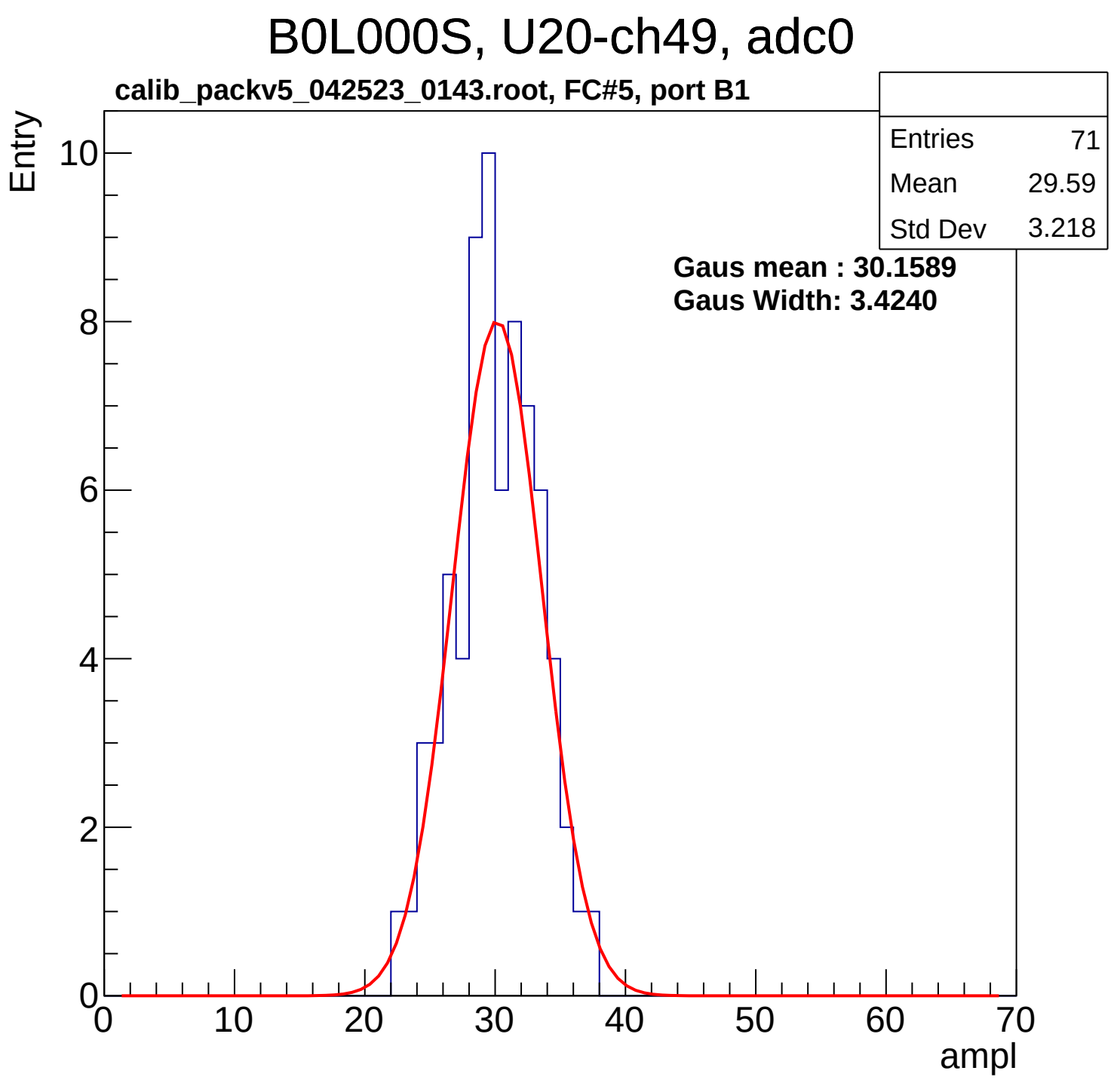
50
60
70
ampl


B0L000S, U20-ch49, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 29.59
Std Dev 3.218
Gaus mean : 30.1589
Gaus Width: 3.4240
Entry
ampl
0
2
4
6
8
10
0
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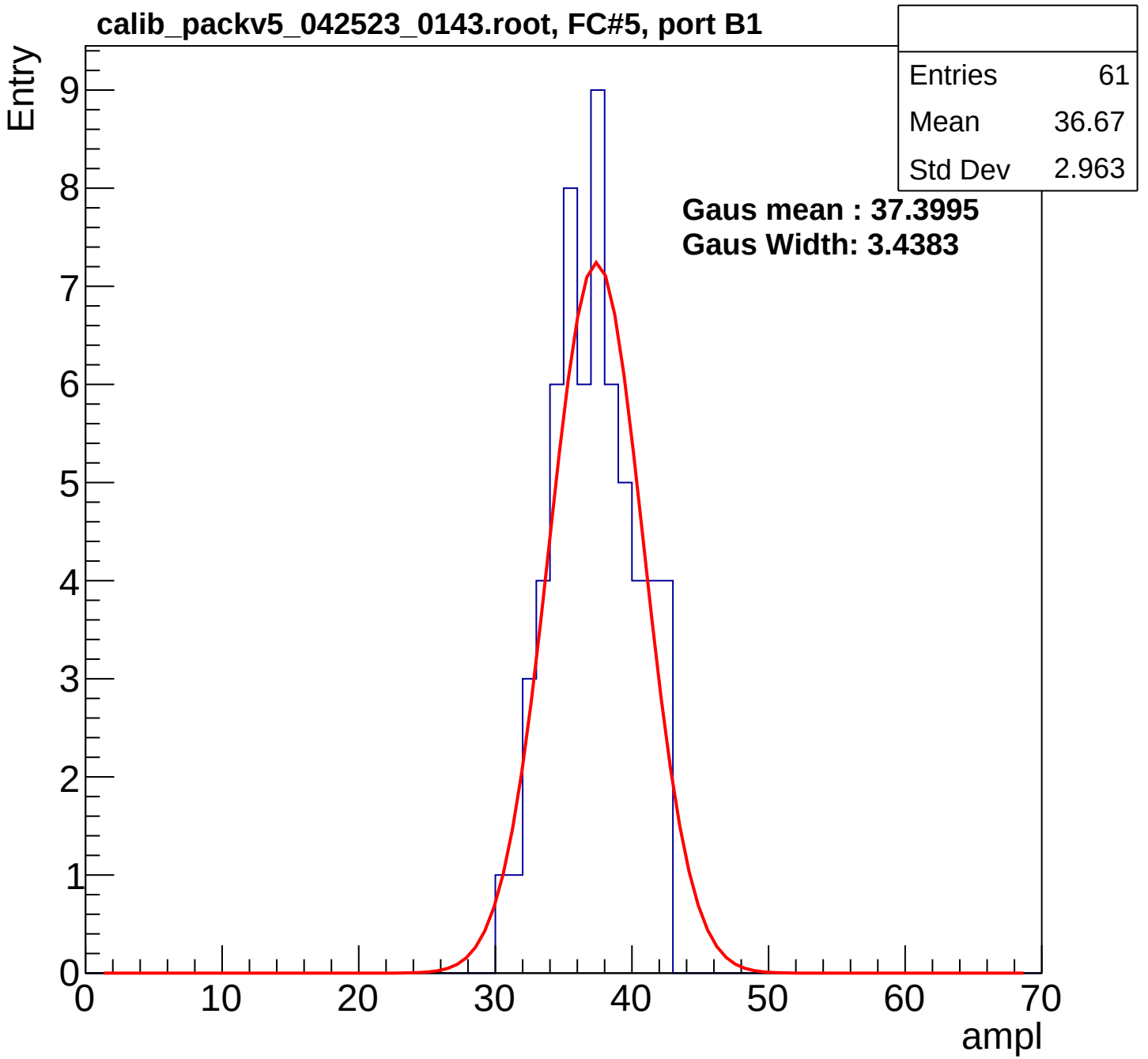
20
30
40
50
60
70


B0L000S, U20-ch49, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 36.67
Std Dev 2.963
Gaus mean : 37.3995
Gaus Width: 3.4383
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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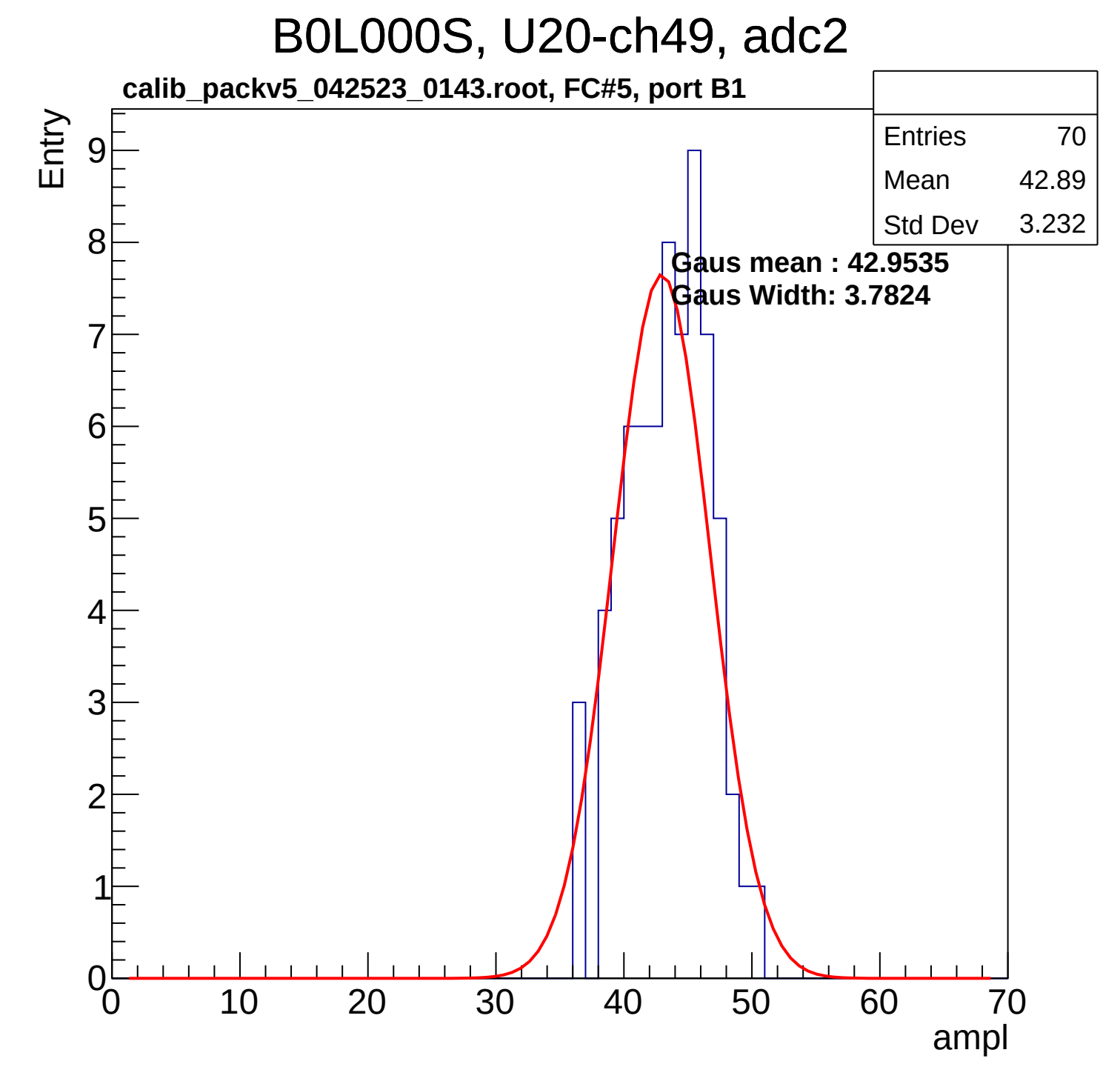
B0L000S, U20-ch49, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 42.89
Std Dev 3.232
Gaus mean : 42.9535
Gaus Width: 3.7824
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
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60
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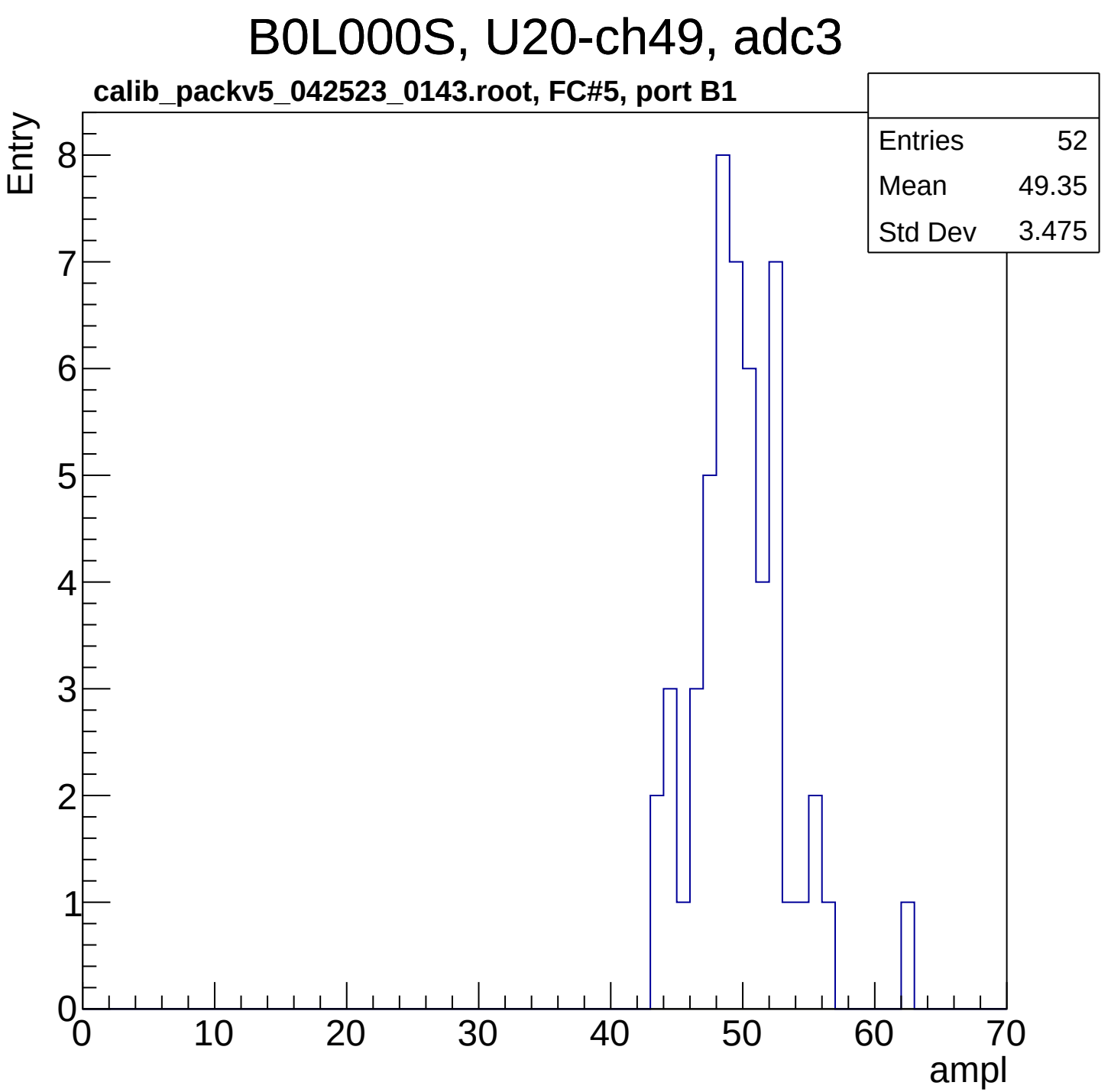
B0L000S, U20-ch49, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 49.35
Std Dev 3.475
Entry
ampl
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3
4
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7
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0
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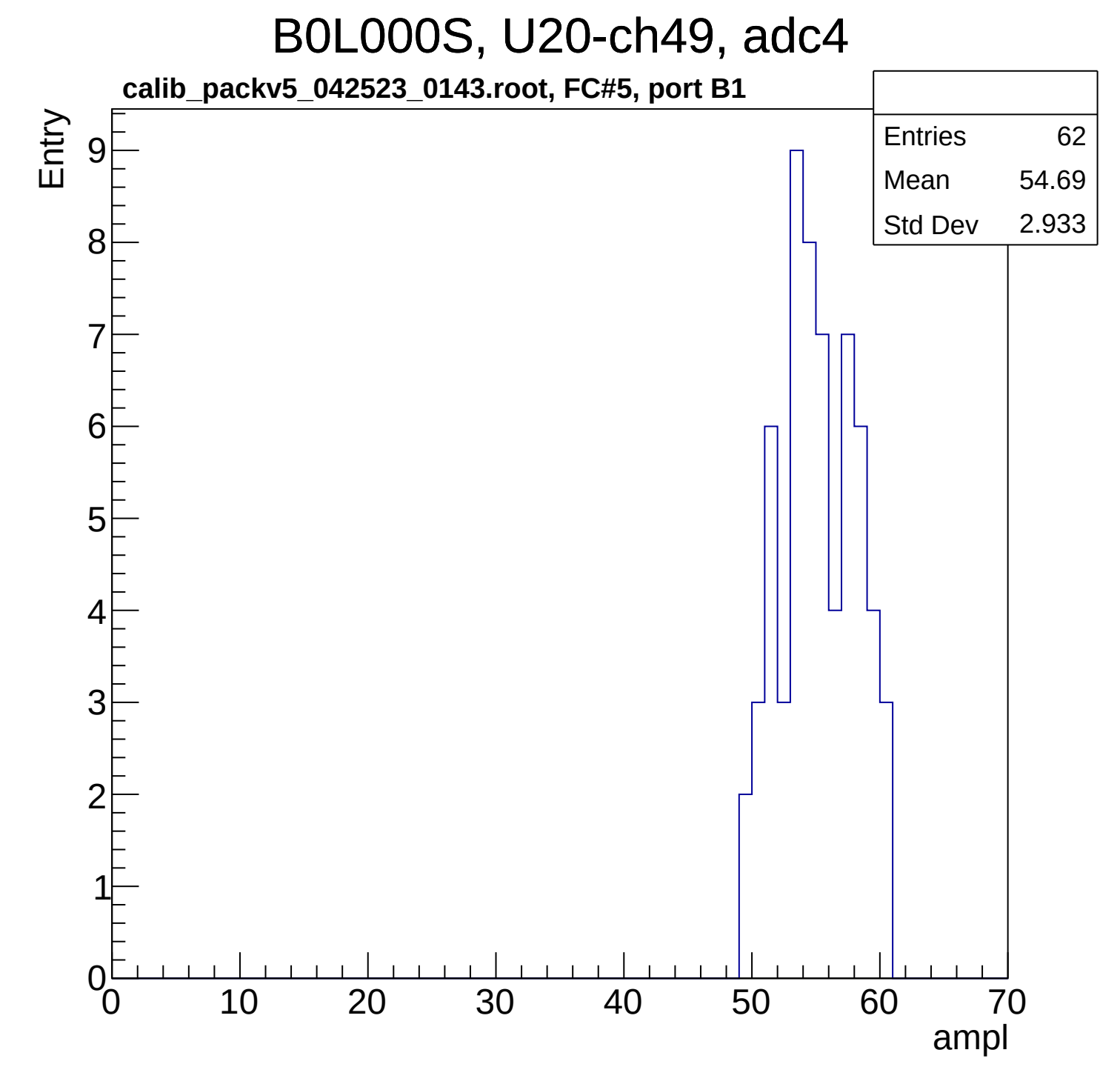
B0L000S, U20-ch49, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 54.69
Std Dev 2.933
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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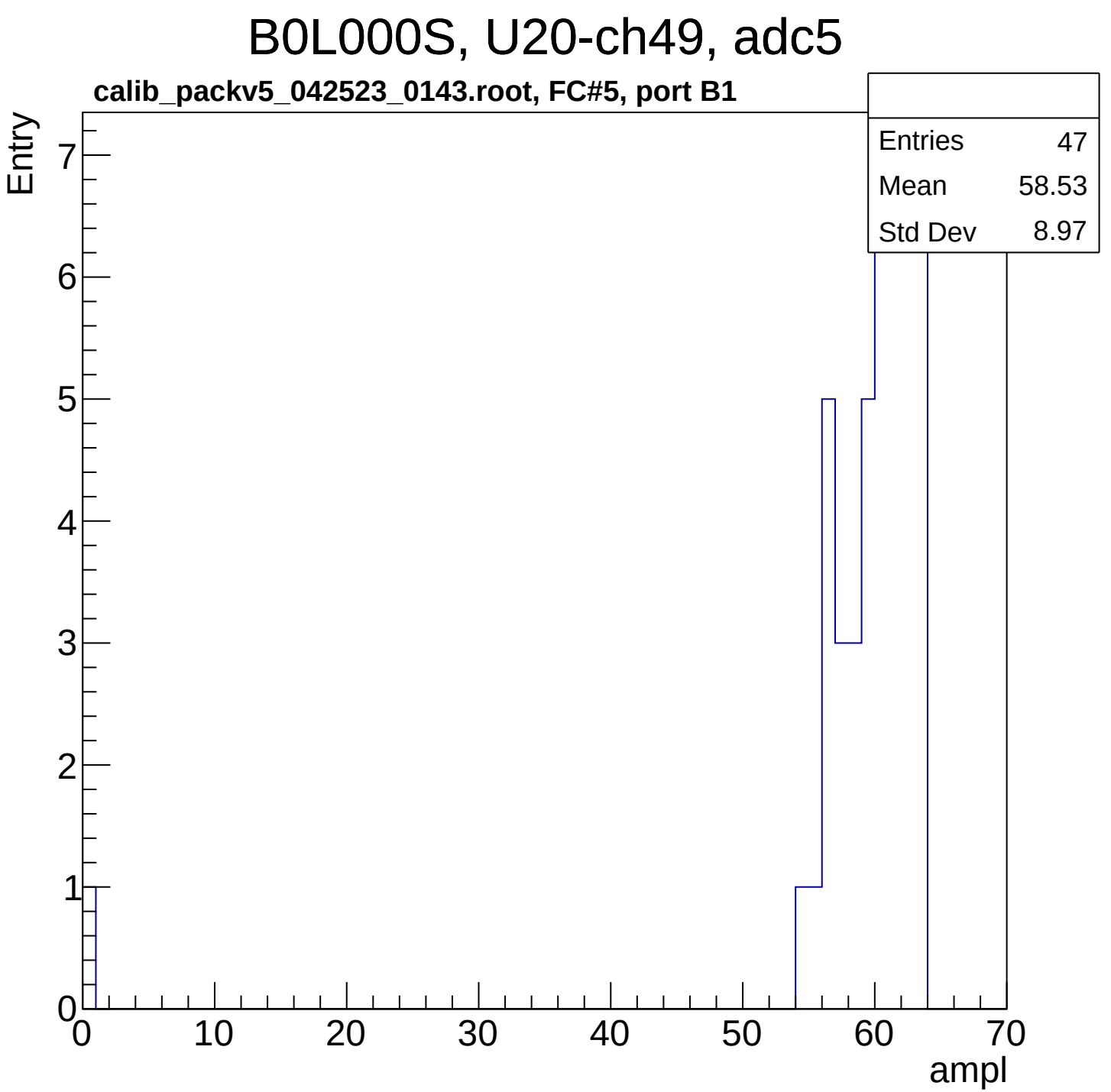
B0L000S, U20-ch49, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 58.53
Std Dev 8.97
Entry
ampl
0
1
2
3
4
5
6
7
0
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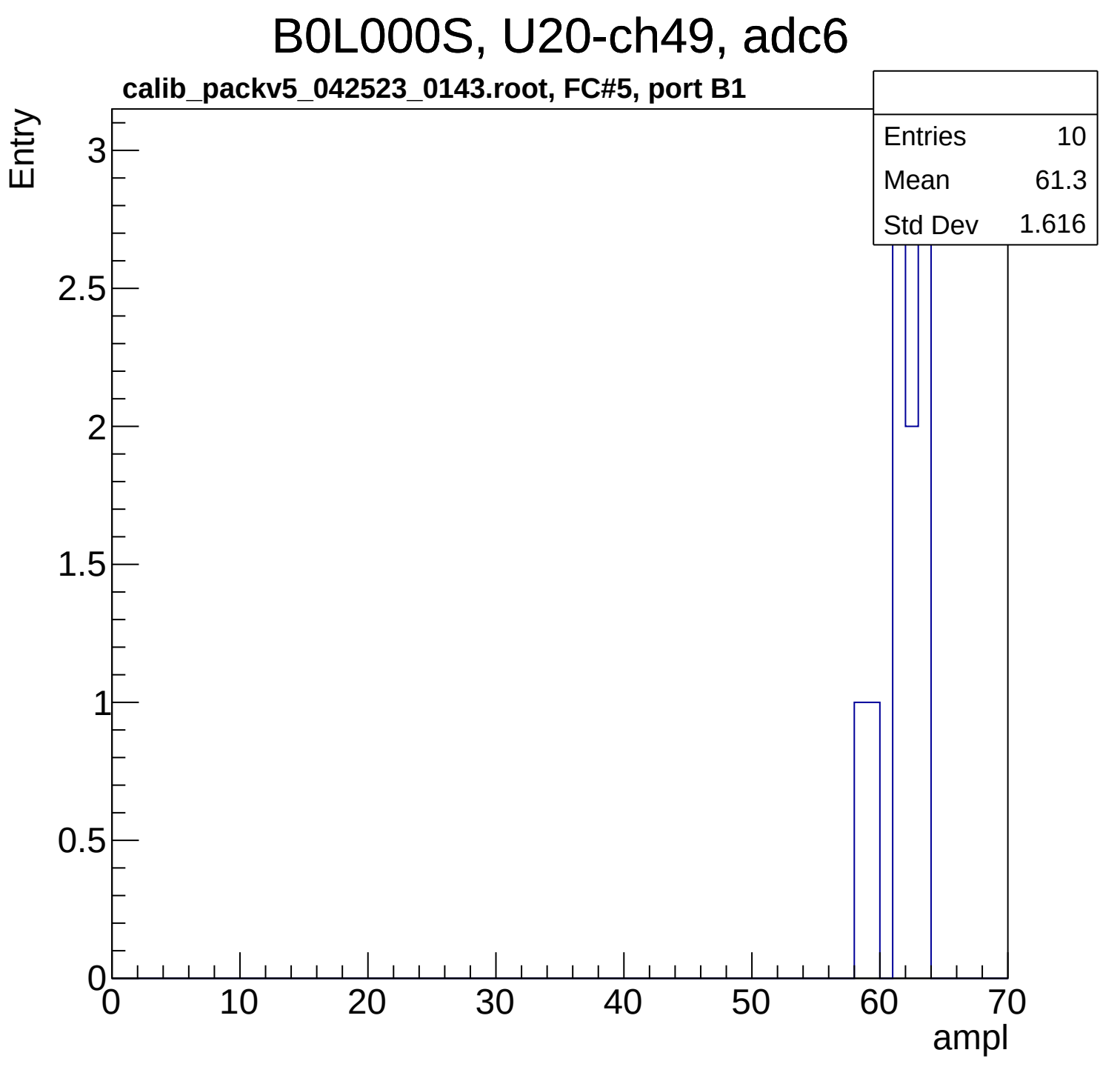
B0L000S, U20-ch49, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.3
Std Dev 1.616
Entry
0
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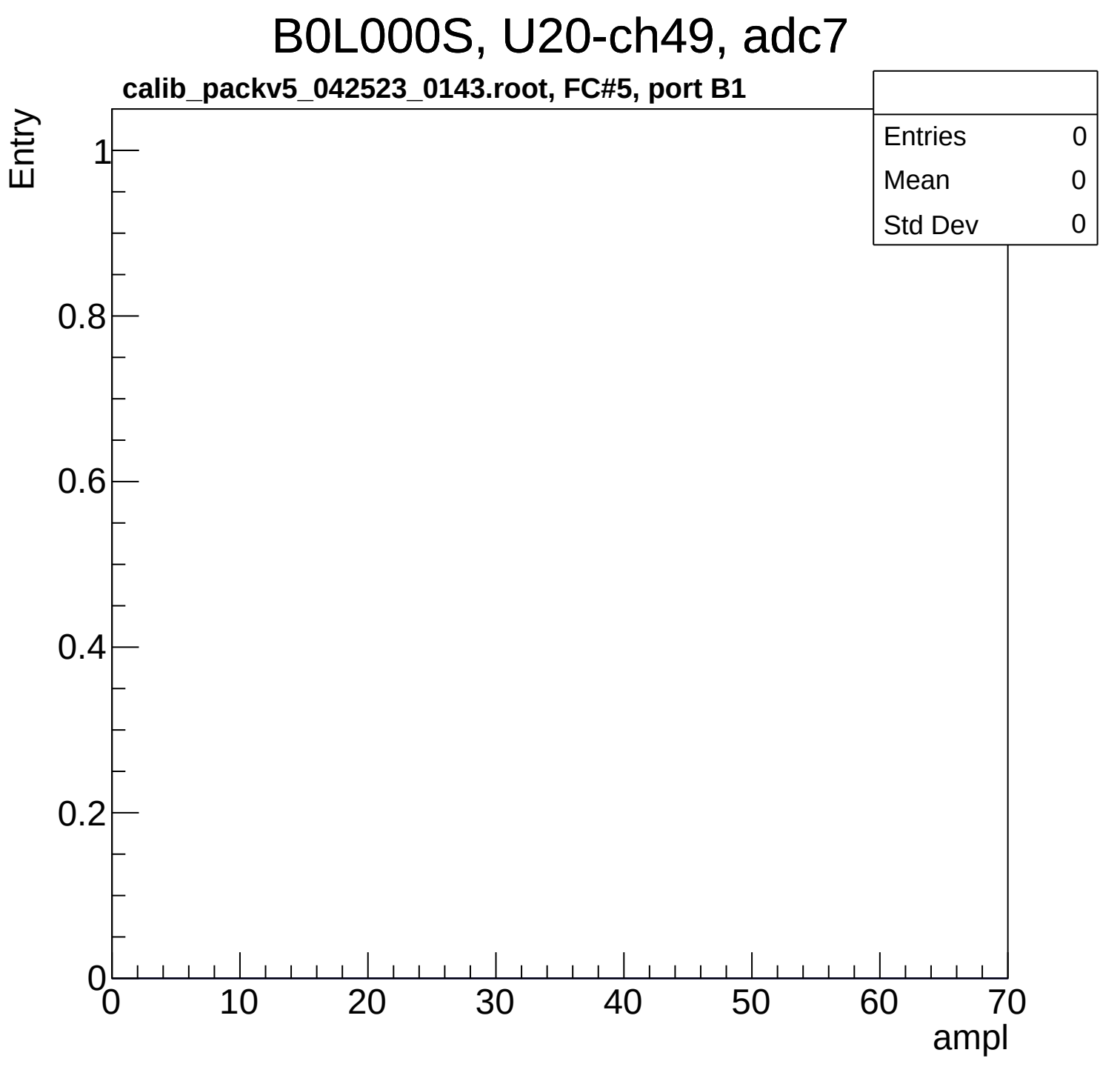
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch49, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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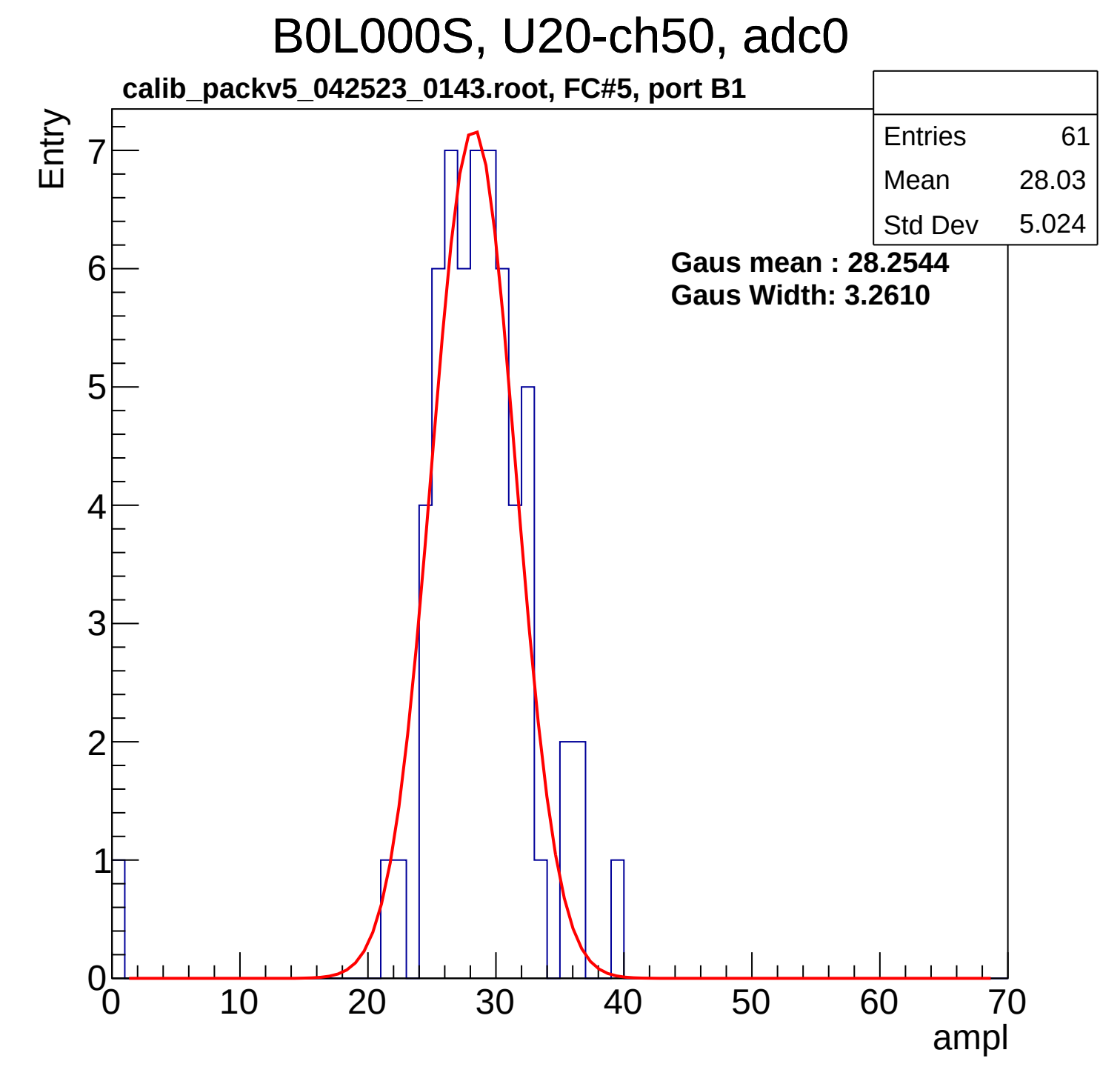
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch50, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 28.03
Std Dev 5.024
Gaus mean : 28.2544
Gaus Width: 3.2610
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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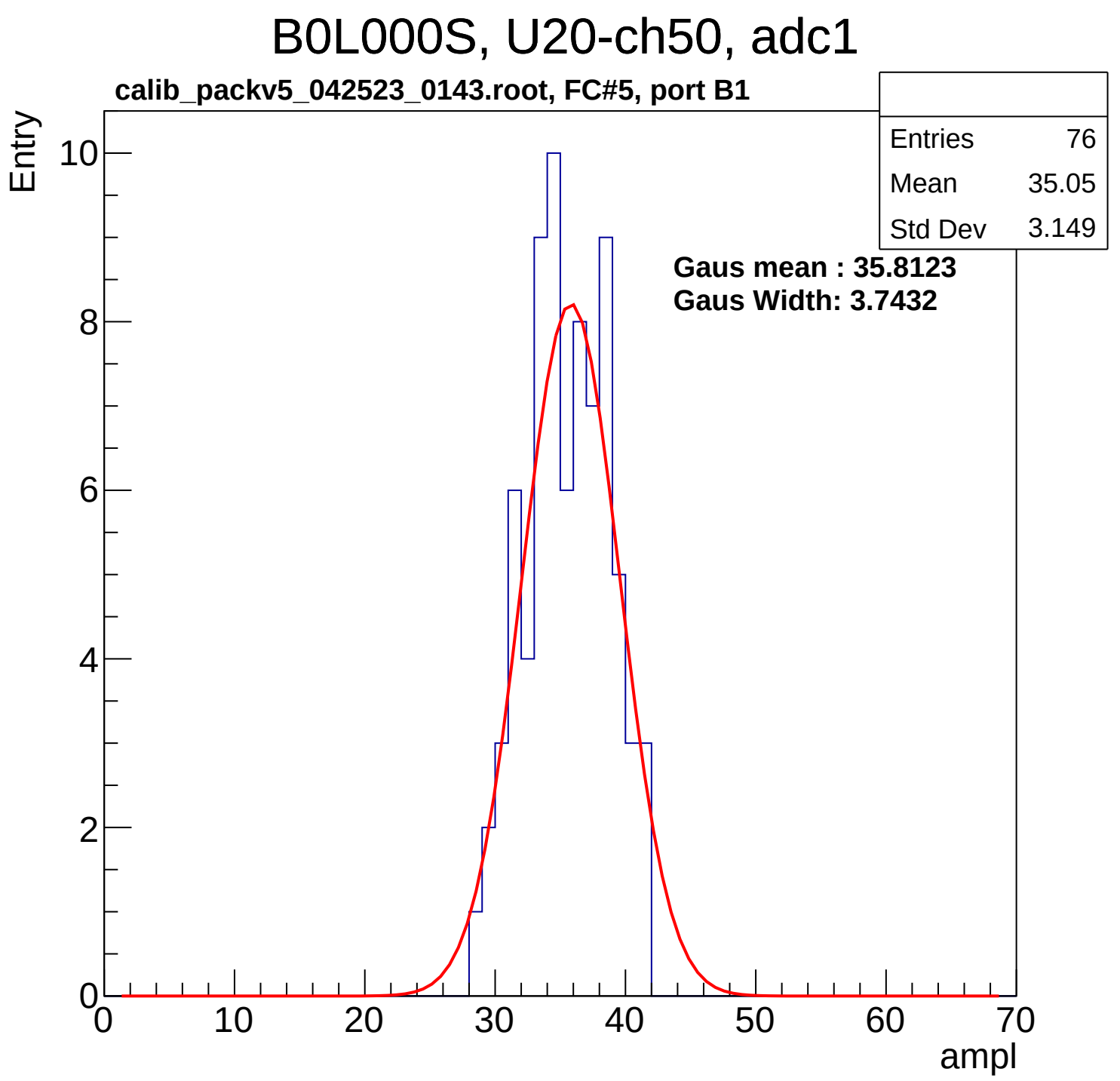
B0L000S, U20-ch50, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 35.05
Std Dev 3.149
Gaus mean : 35.8123
Gaus Width: 3.7432
Entry
ampl
0
2
4
6
8
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0
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60
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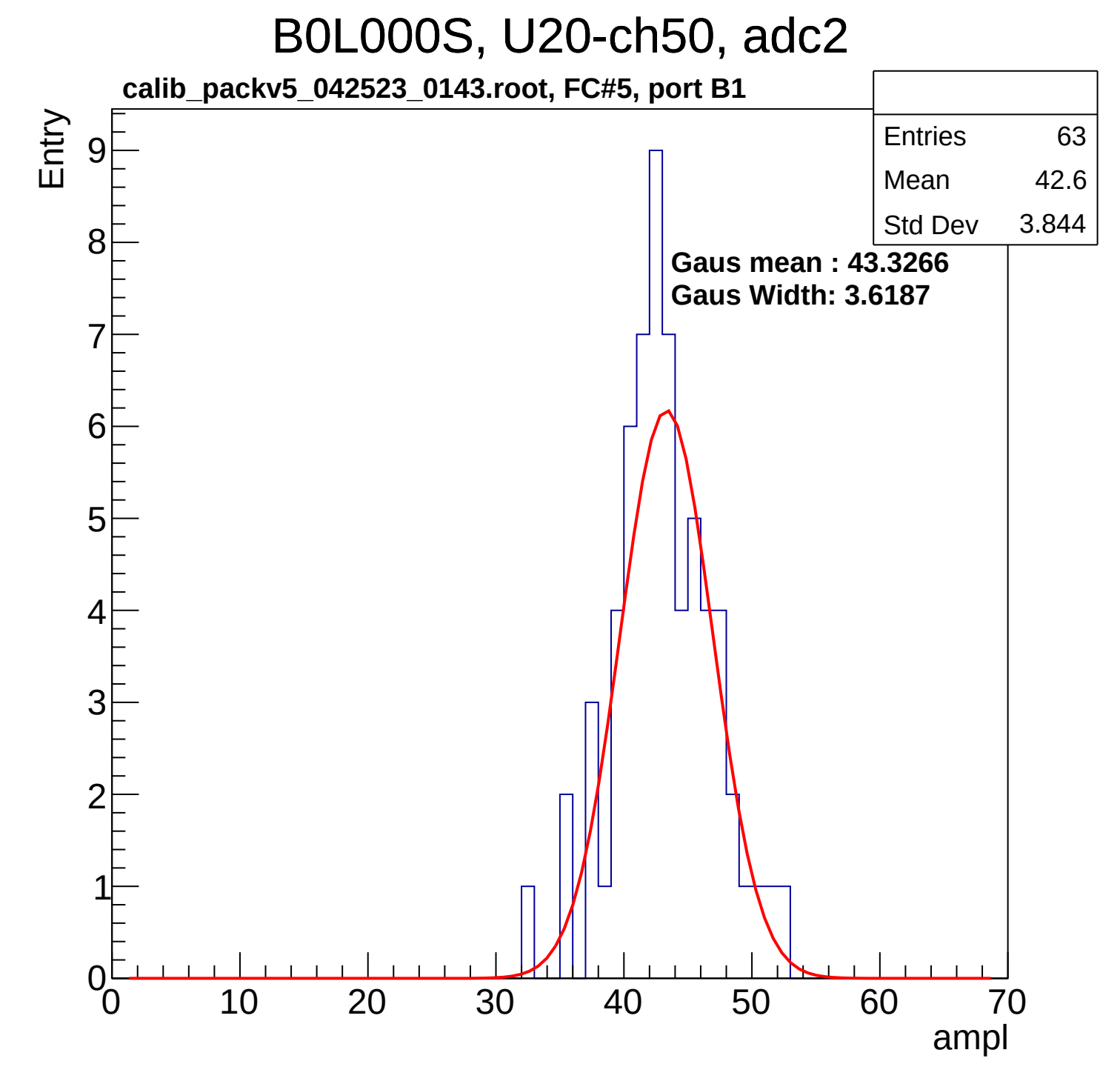
B0L000S, U20-ch50, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 42.6
Std Dev 3.844
Gaus mean : 43.3266
Gaus Width: 3.6187
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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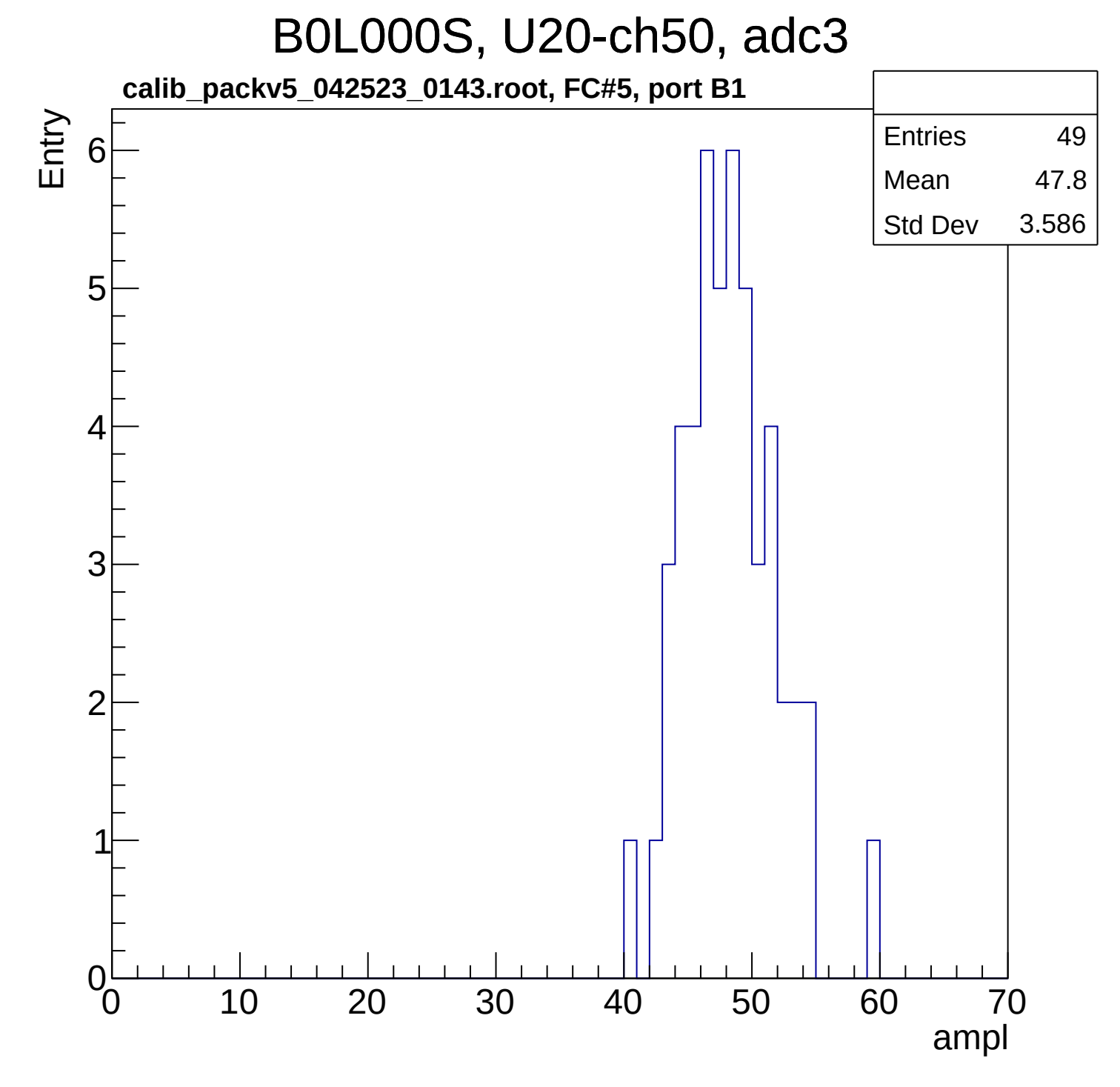
B0L000S, U20-ch50, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 47.8
Std Dev 3.586
Entry
ampl
0
1
2
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0
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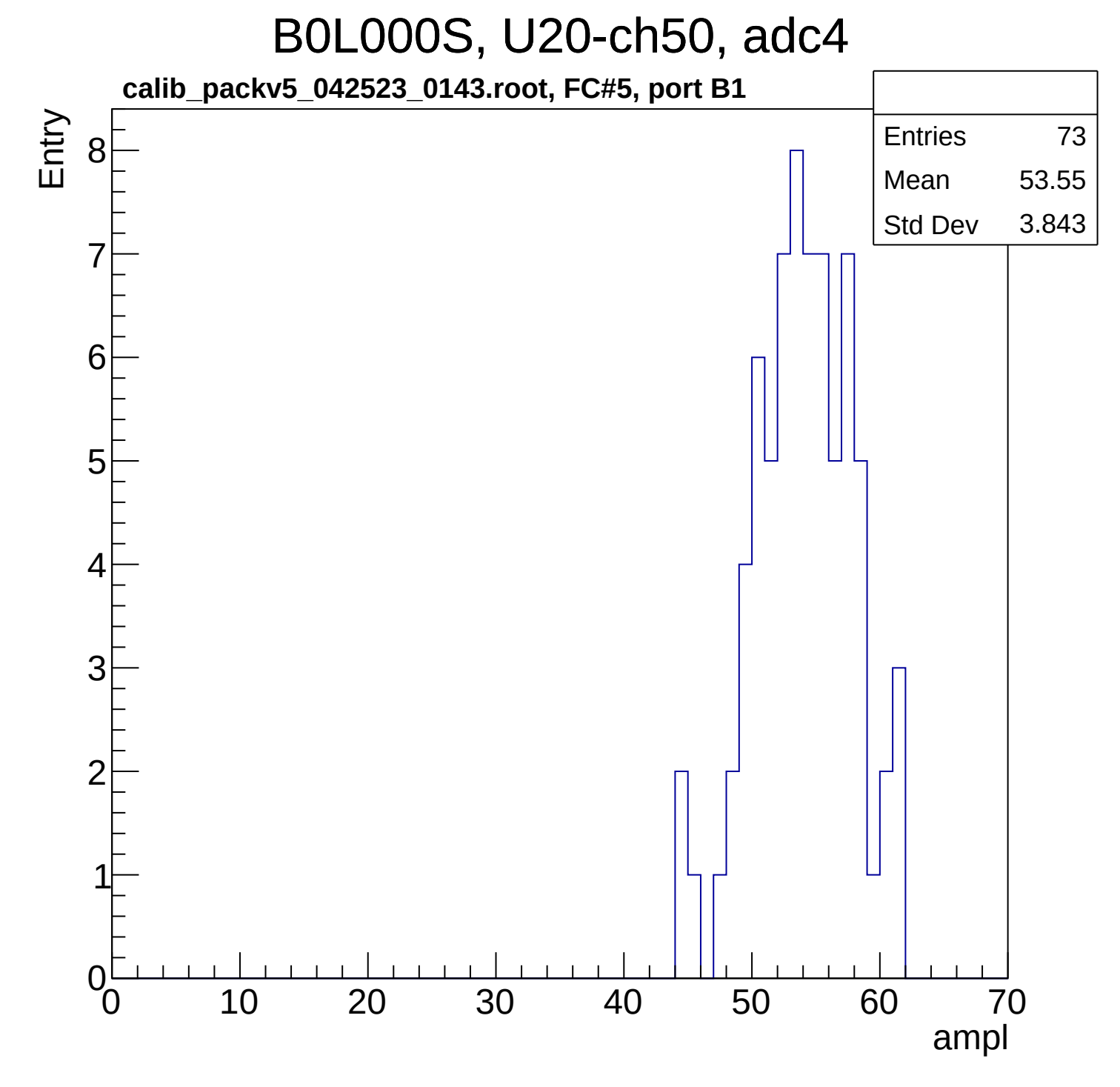
B0L000S, U20-ch50, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 53.55
Std Dev 3.843
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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60
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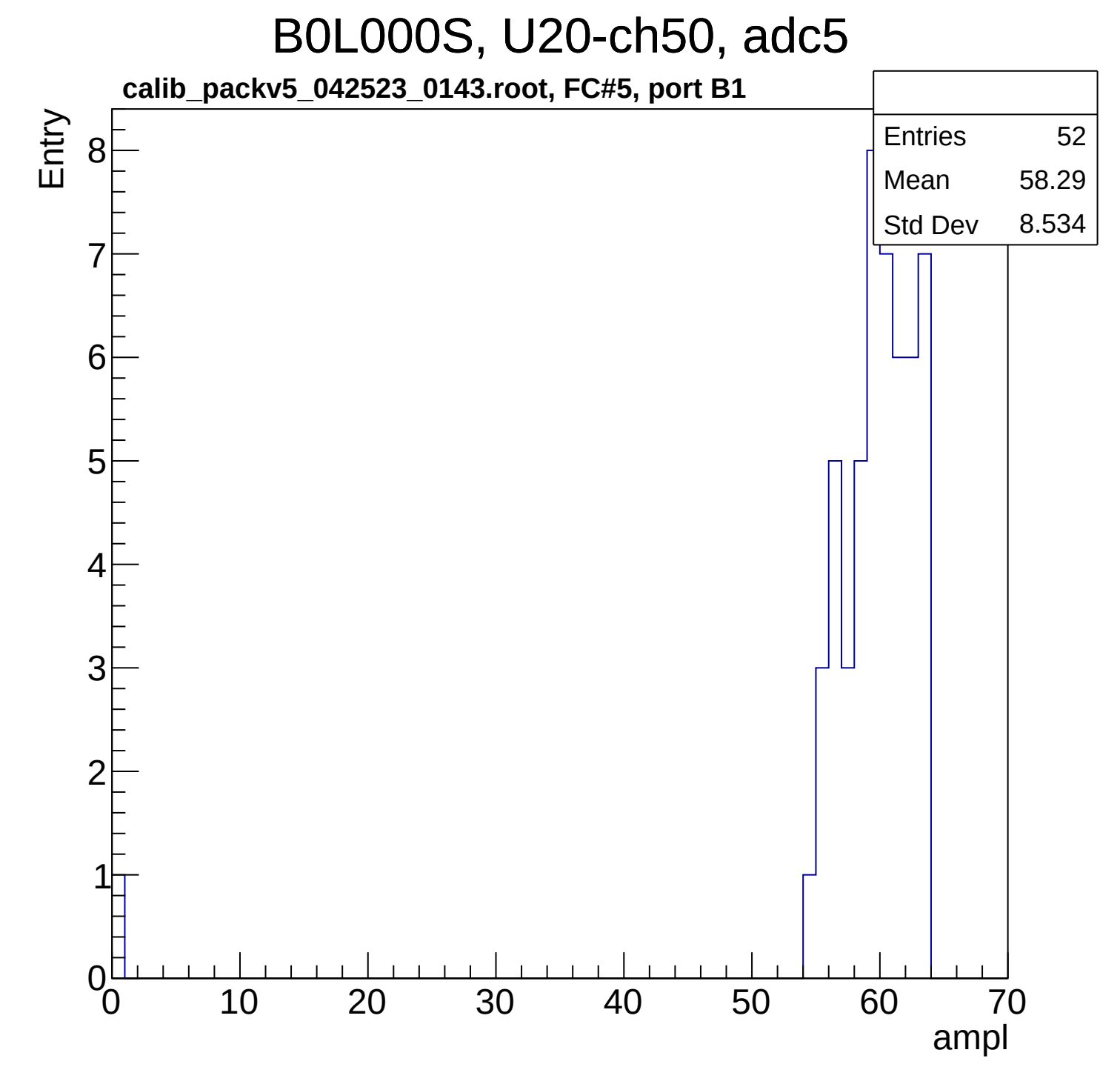
B0L000S, U20-ch50, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 58.29
Std Dev 8.534
Entry
ampl
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1
2
3
4
5
6
7
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0
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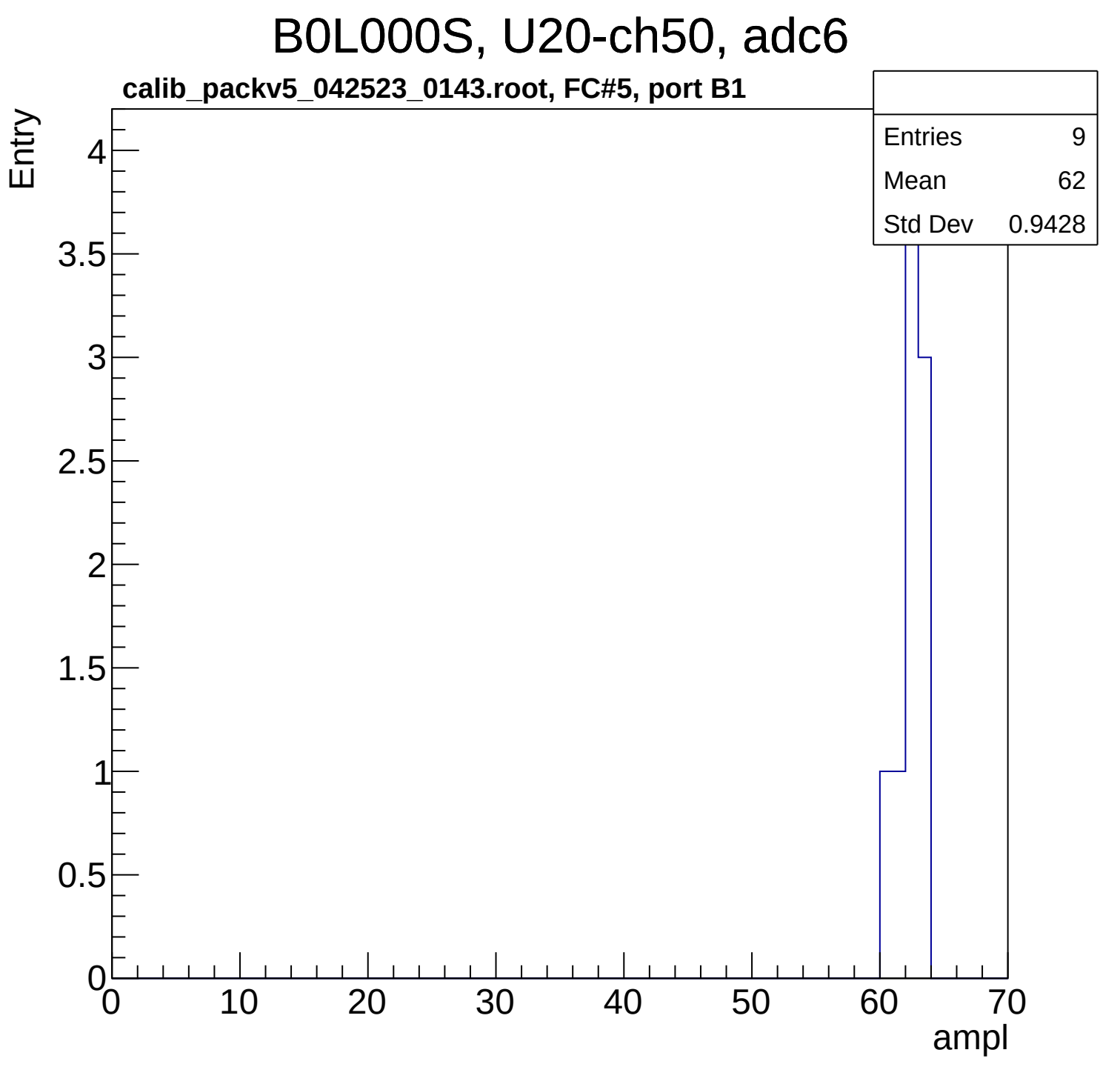
B0L000S, U20-ch50, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 9
Mean 62
Std Dev 0.9428
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
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40
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60
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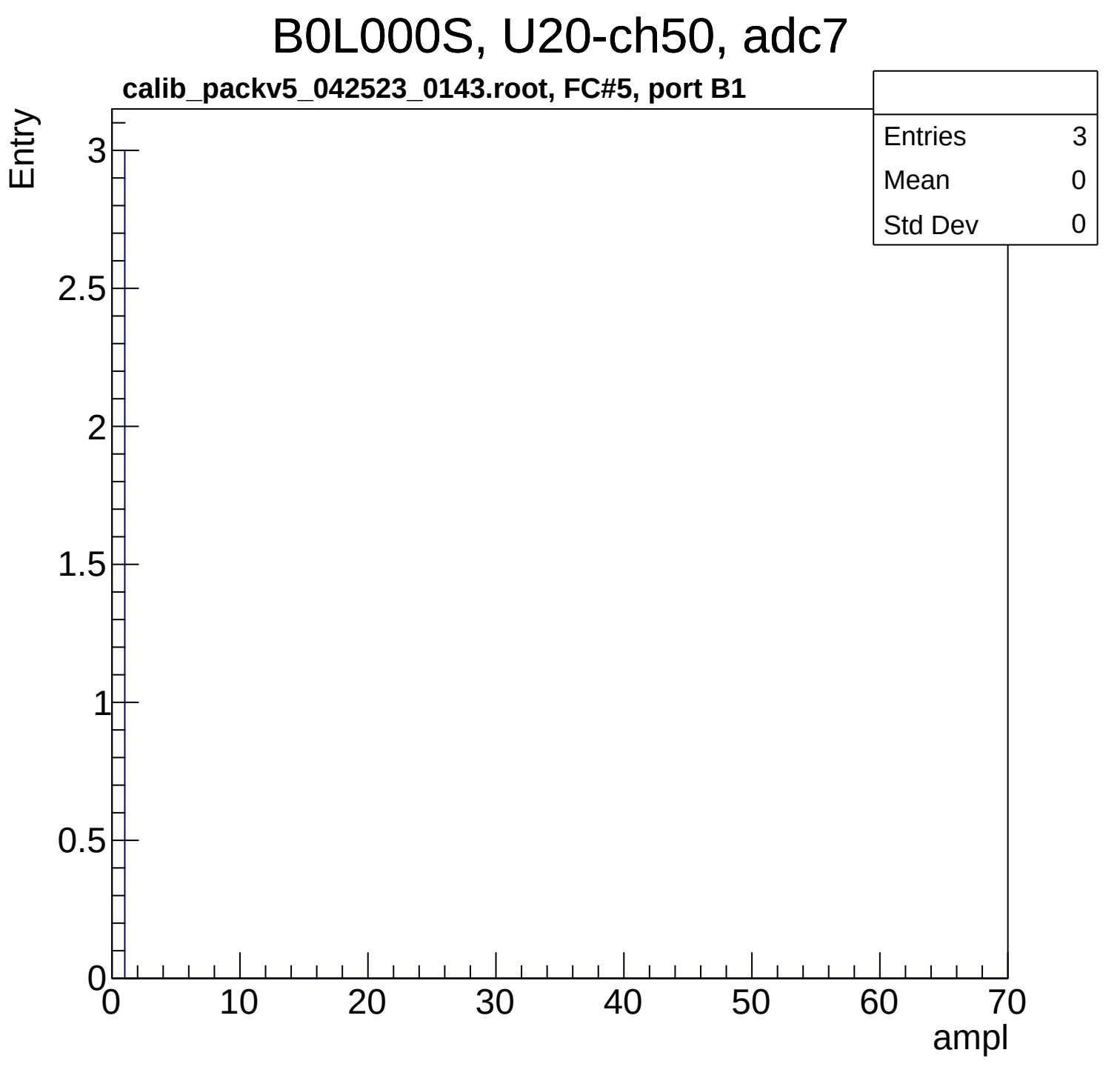
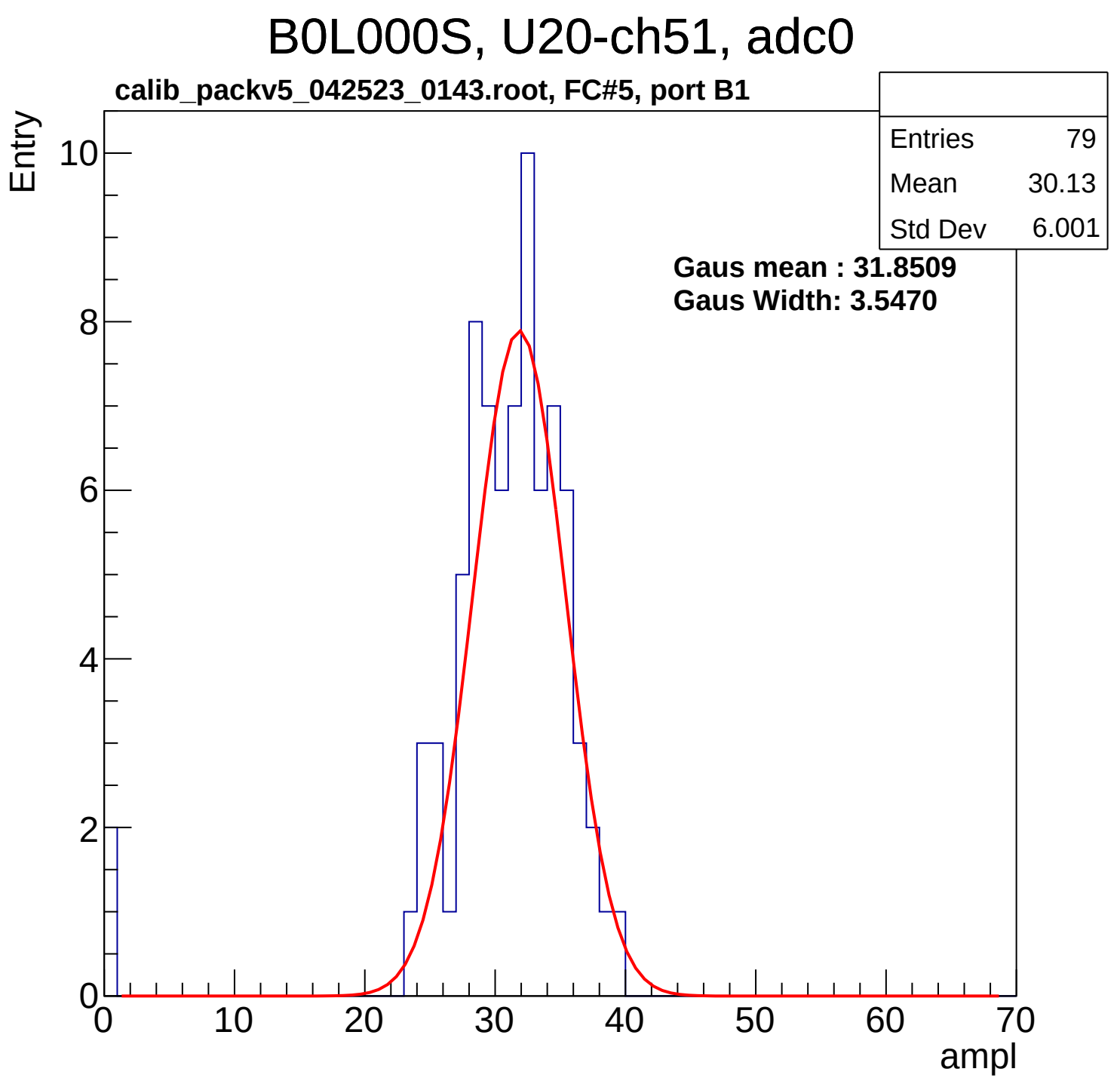
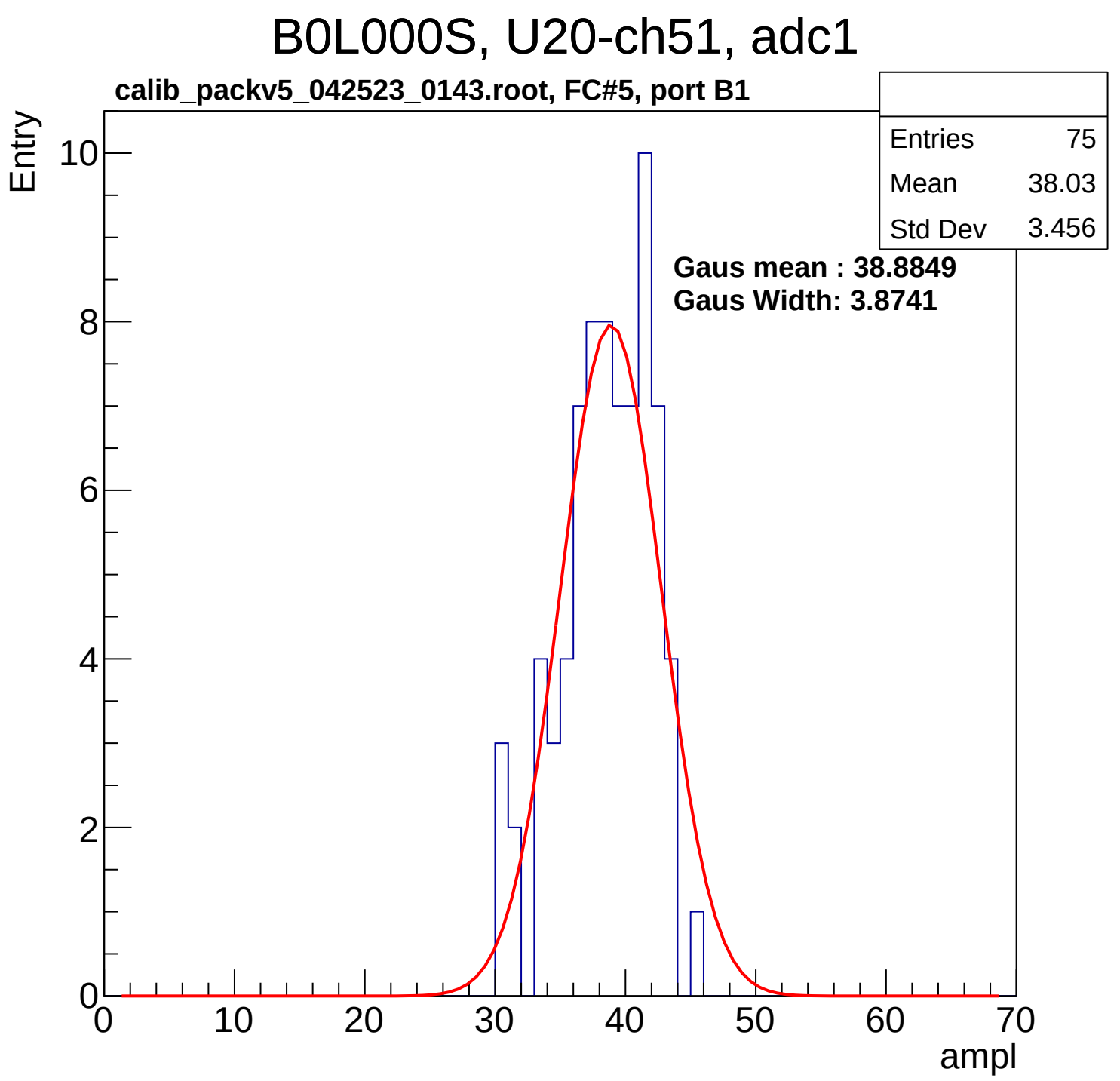
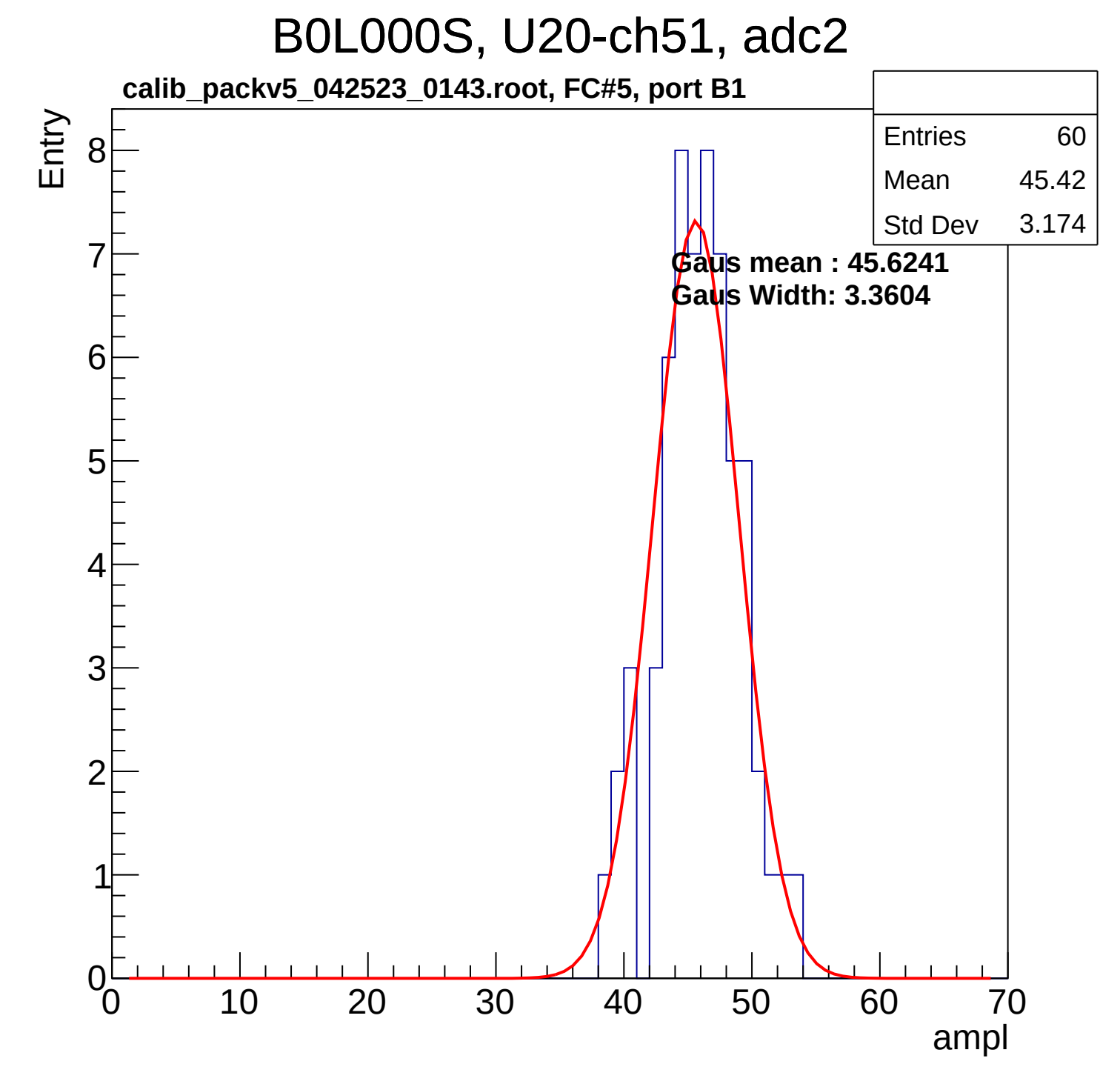
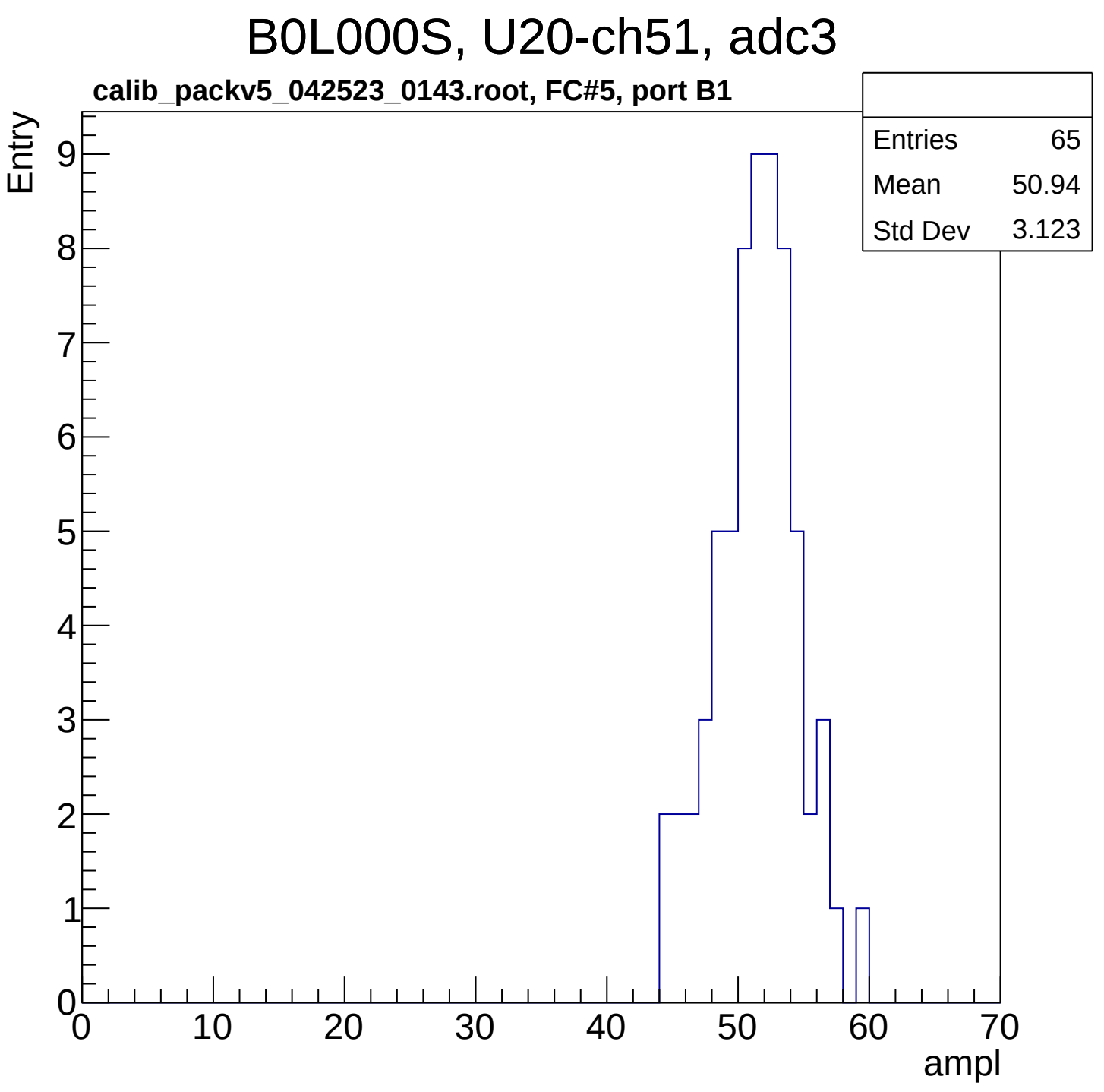

B0L000S, U20-ch50, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch51, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 30.13
Std Dev 6.001
Gaus mean : 31.8509
Gaus Width: 3.5470
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch51, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 38.03
Std Dev 3.456
Gaus mean : 38.8849
Gaus Width: 3.8741
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch51, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 45.42
Std Dev 3.174
Gaus mean : 45.6241
Gaus Width: 3.3604
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch51, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 50.94
Std Dev 3.123
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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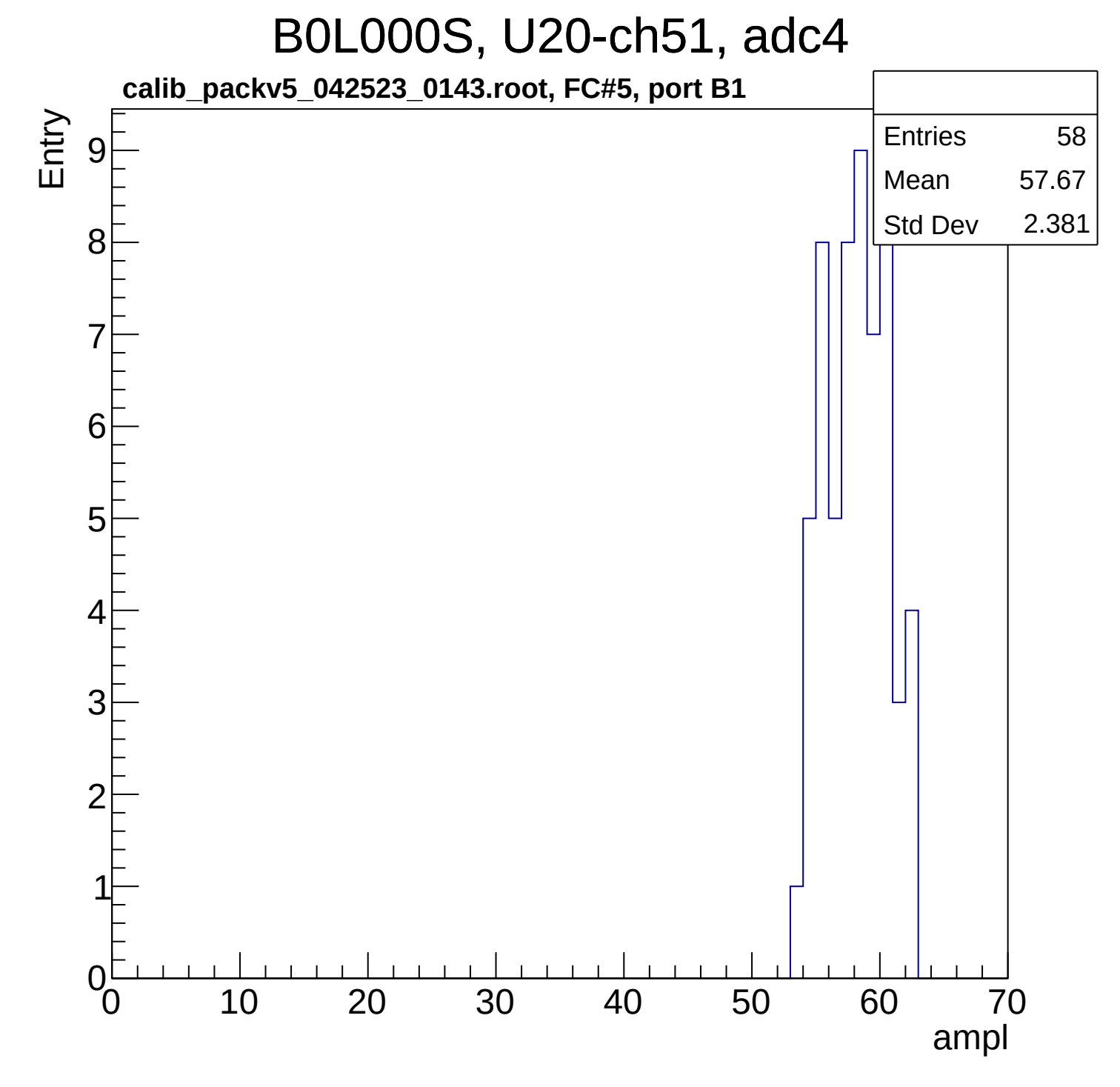
B0L000S, U20-ch51, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 57.67
Std Dev 2.381
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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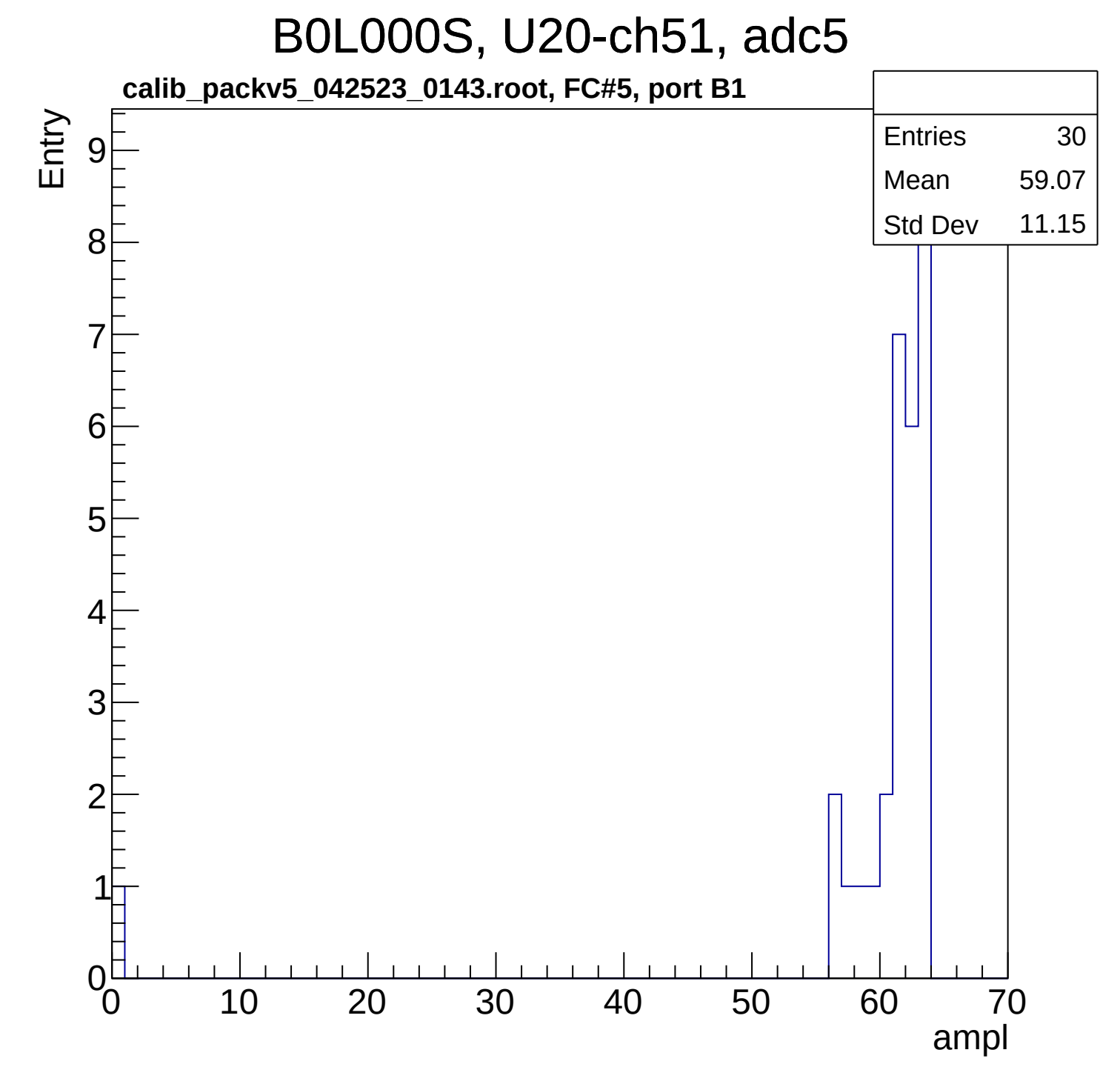
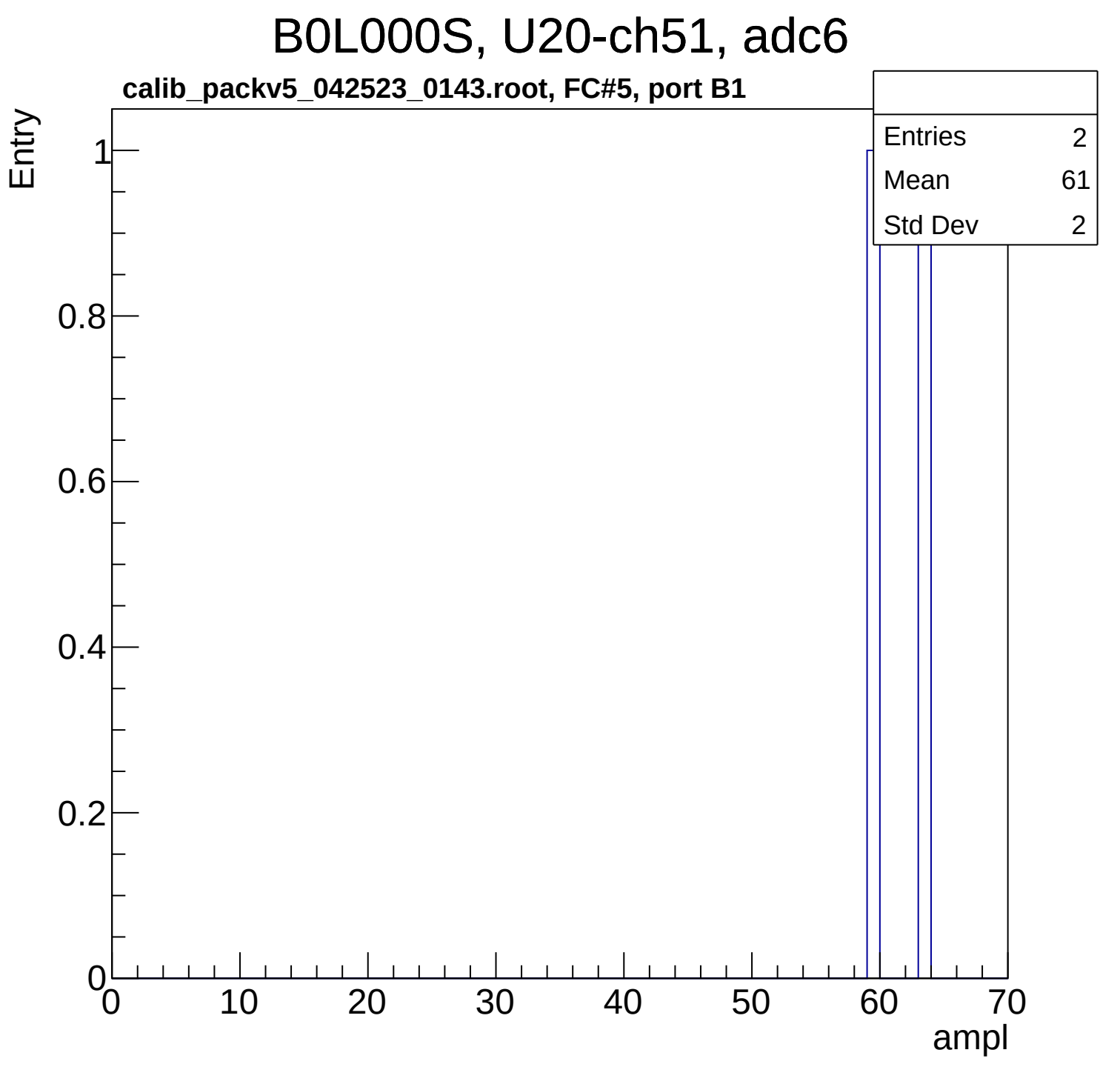
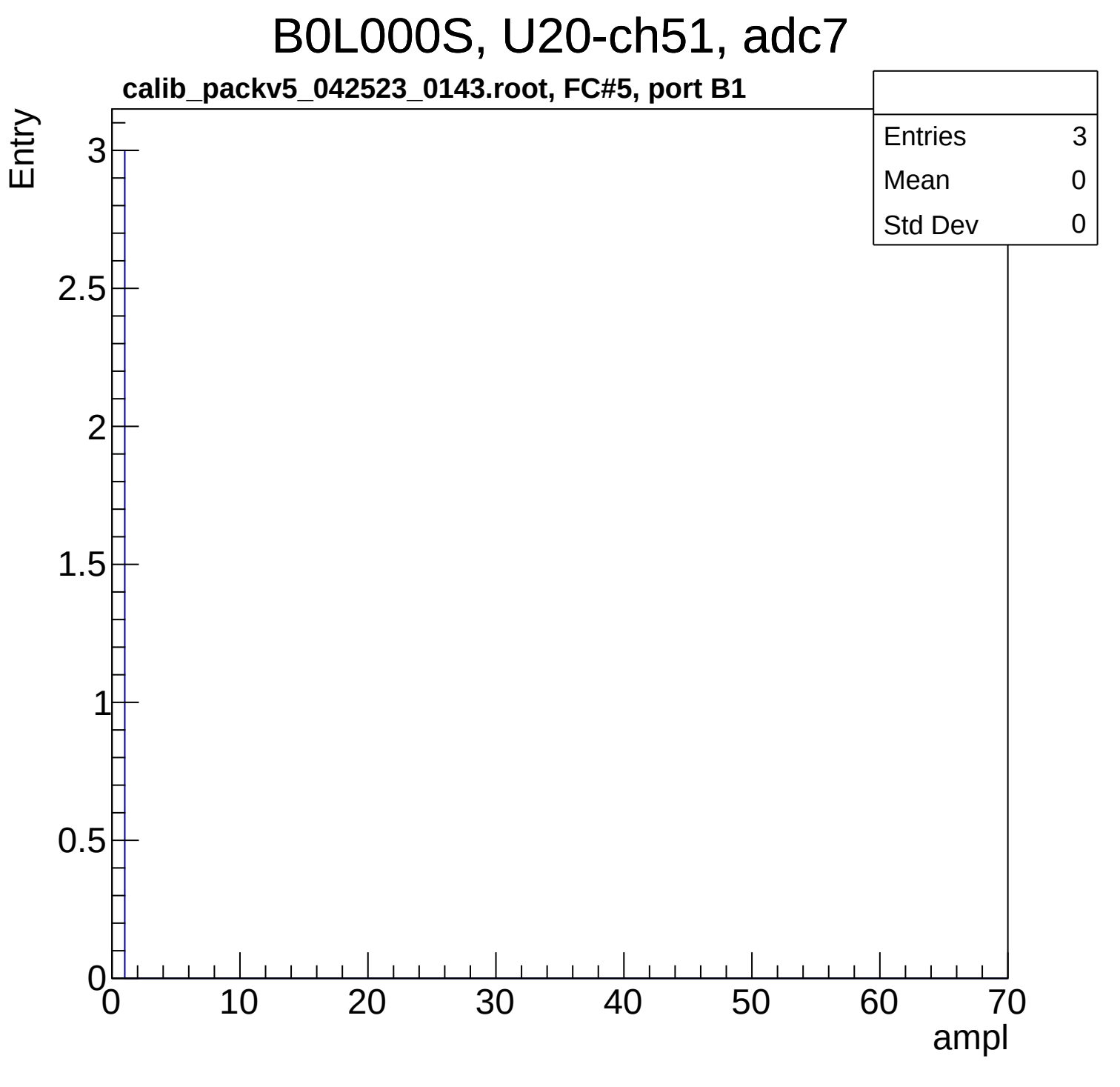
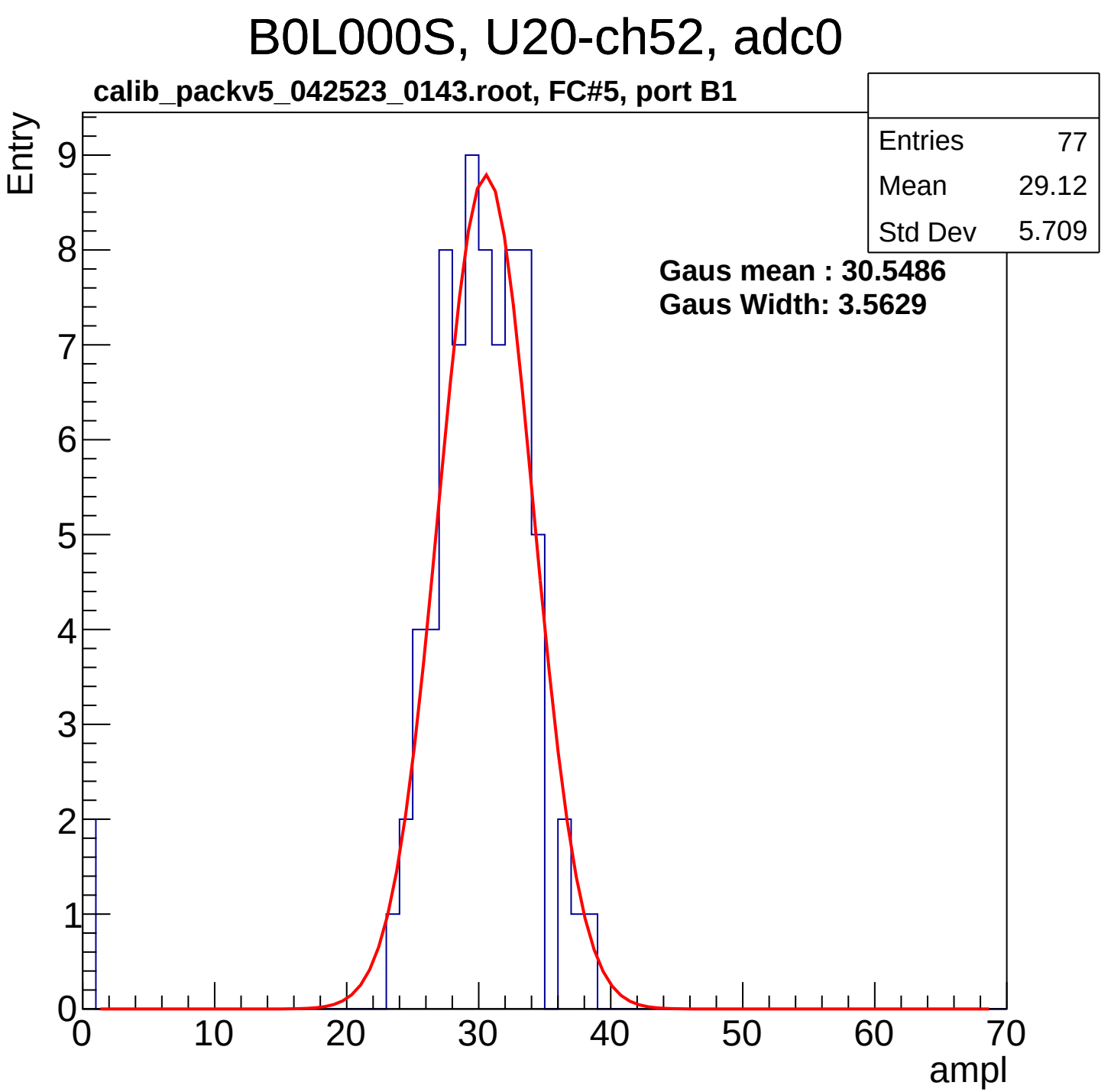
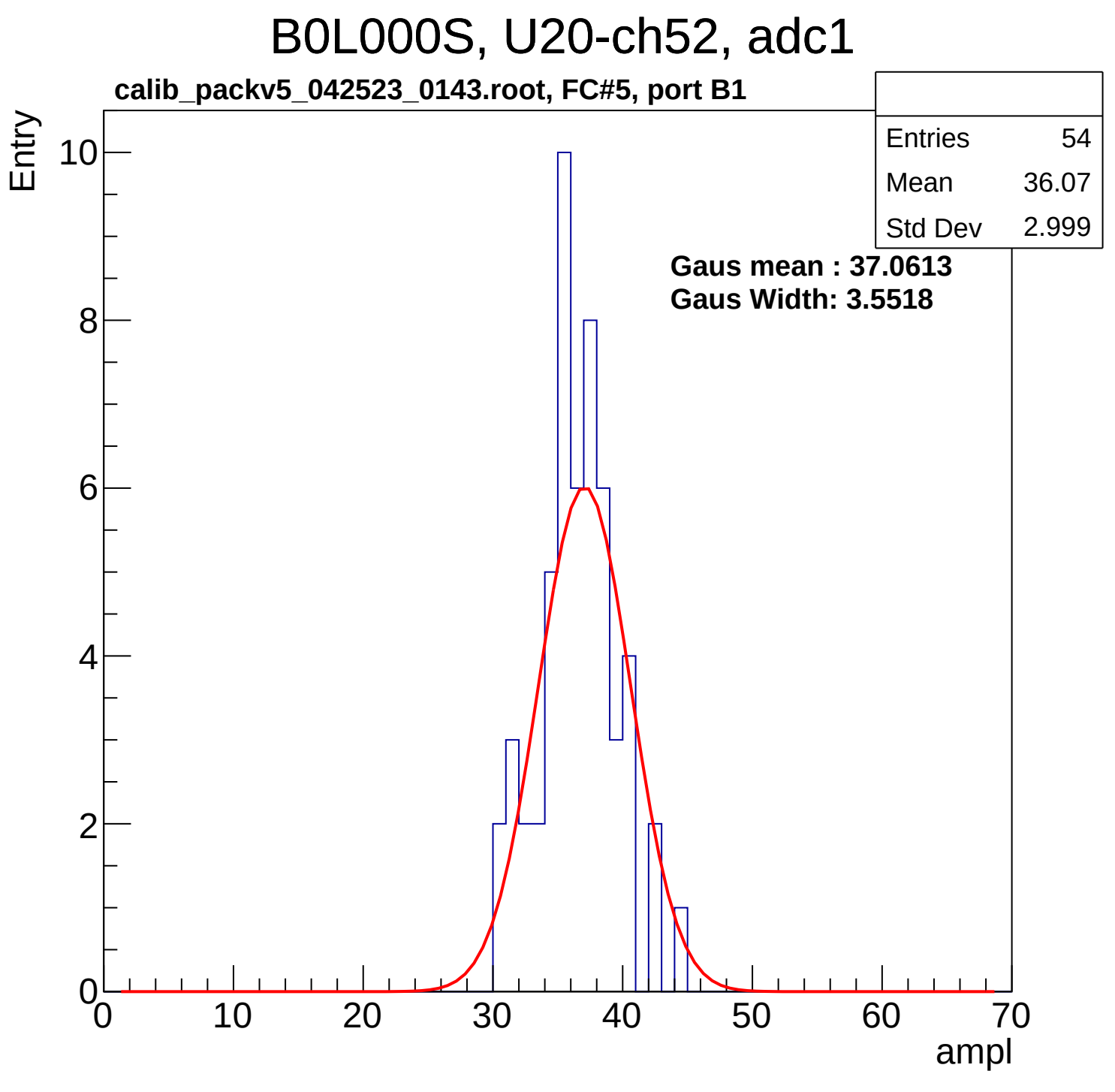
40
50
60
70

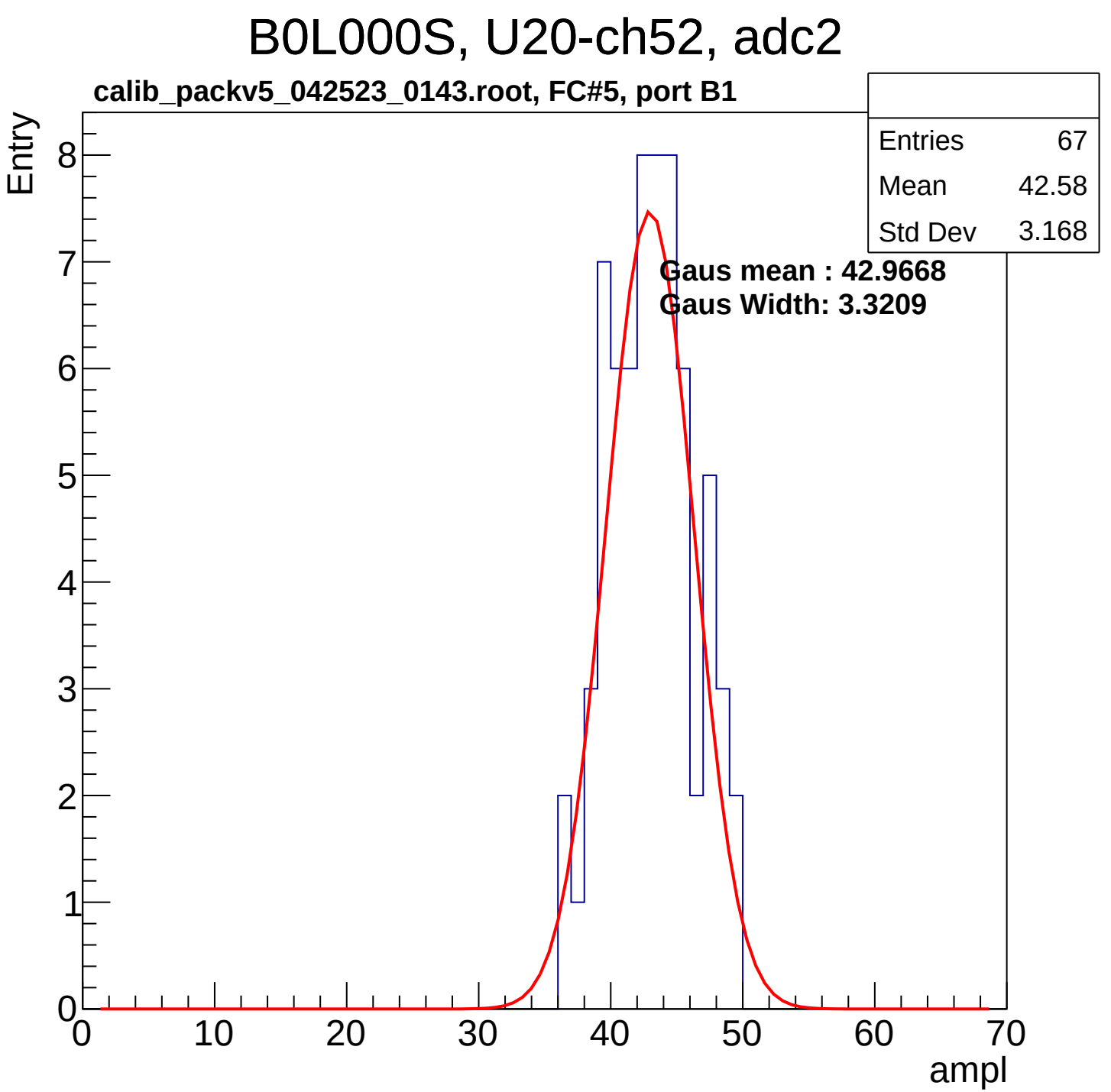

B0L000S, U20-ch51, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 30
Mean 59.07
Std Dev 11.15
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch51, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 61
Std Dev 2
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch51, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch52, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 29.12
Std Dev 5.709
Gaus mean : 30.5486
Gaus Width: 3.5629
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch52, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 36.07
Std Dev 2.999
Gaus mean : 37.0613
Gaus Width: 3.5518
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch52, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 42.58
Std Dev 3.168
Gaus mean : 42.9668
Gaus Width: 3.3209
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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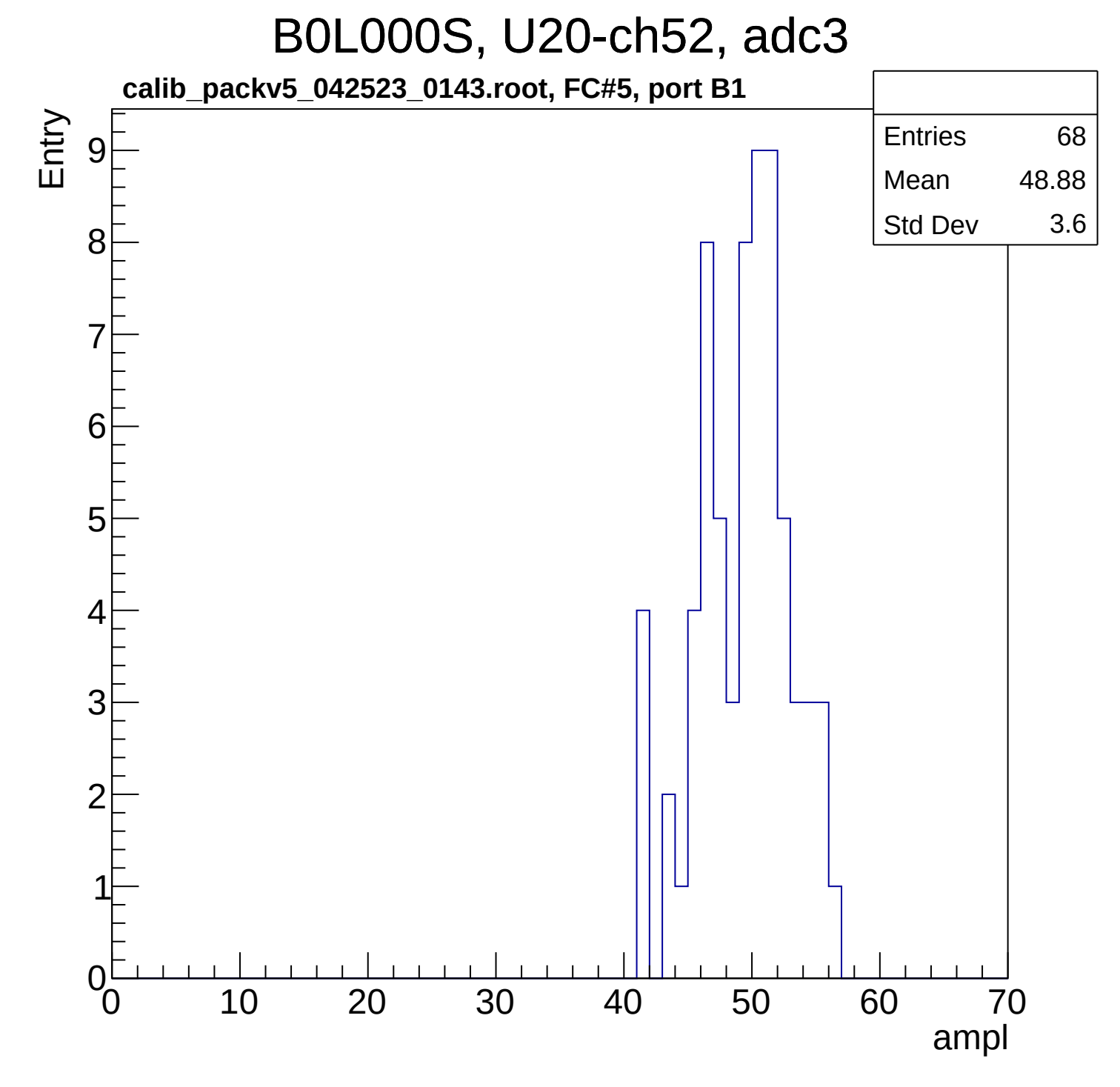
B0L000S, U20-ch52, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 48.88
Std Dev 3.6
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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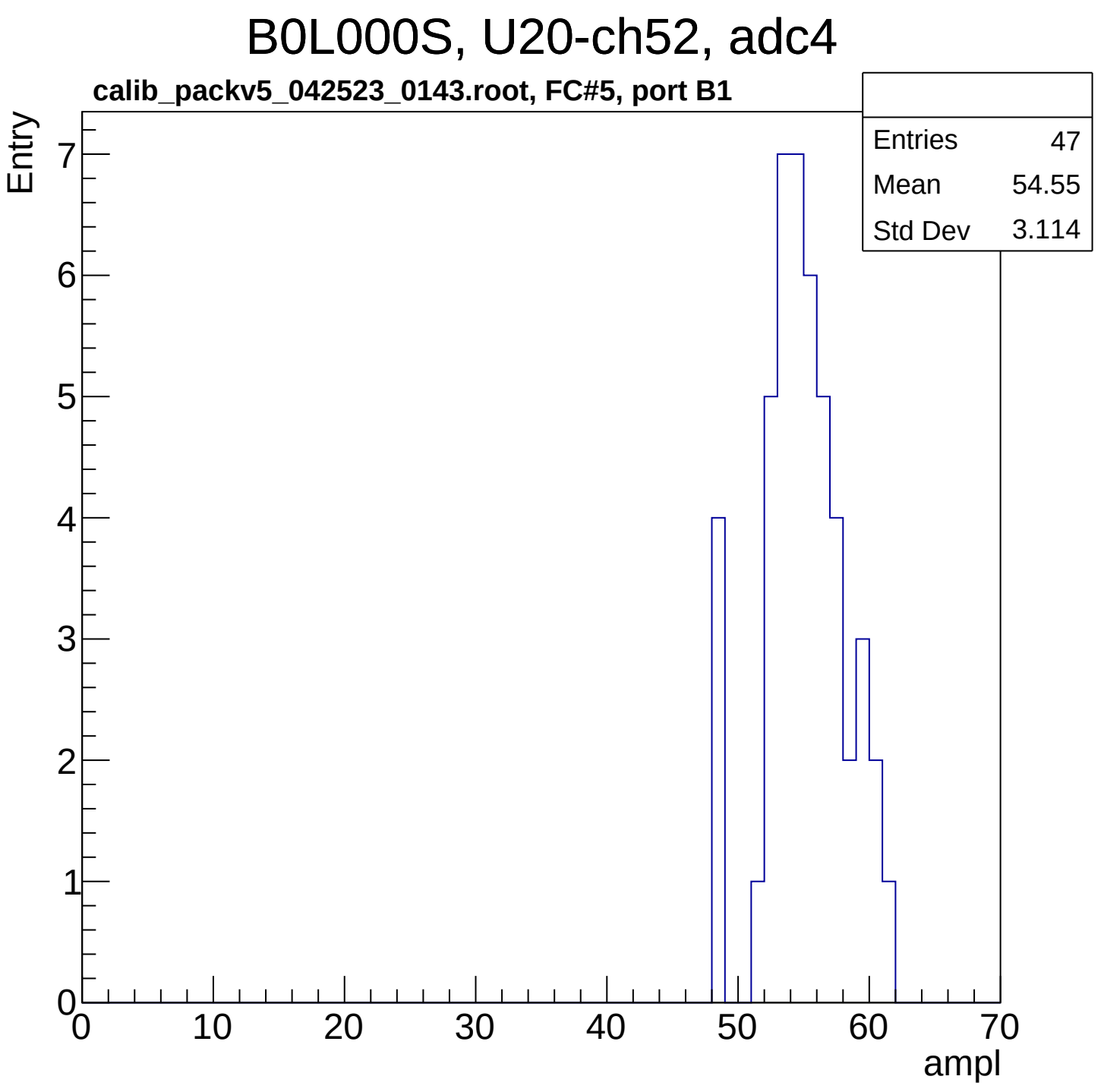
B0L000S, U20-ch52, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 54.55
Std Dev 3.114
Entry
ampl
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1
2
3
4
5
6
7
0
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40
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60
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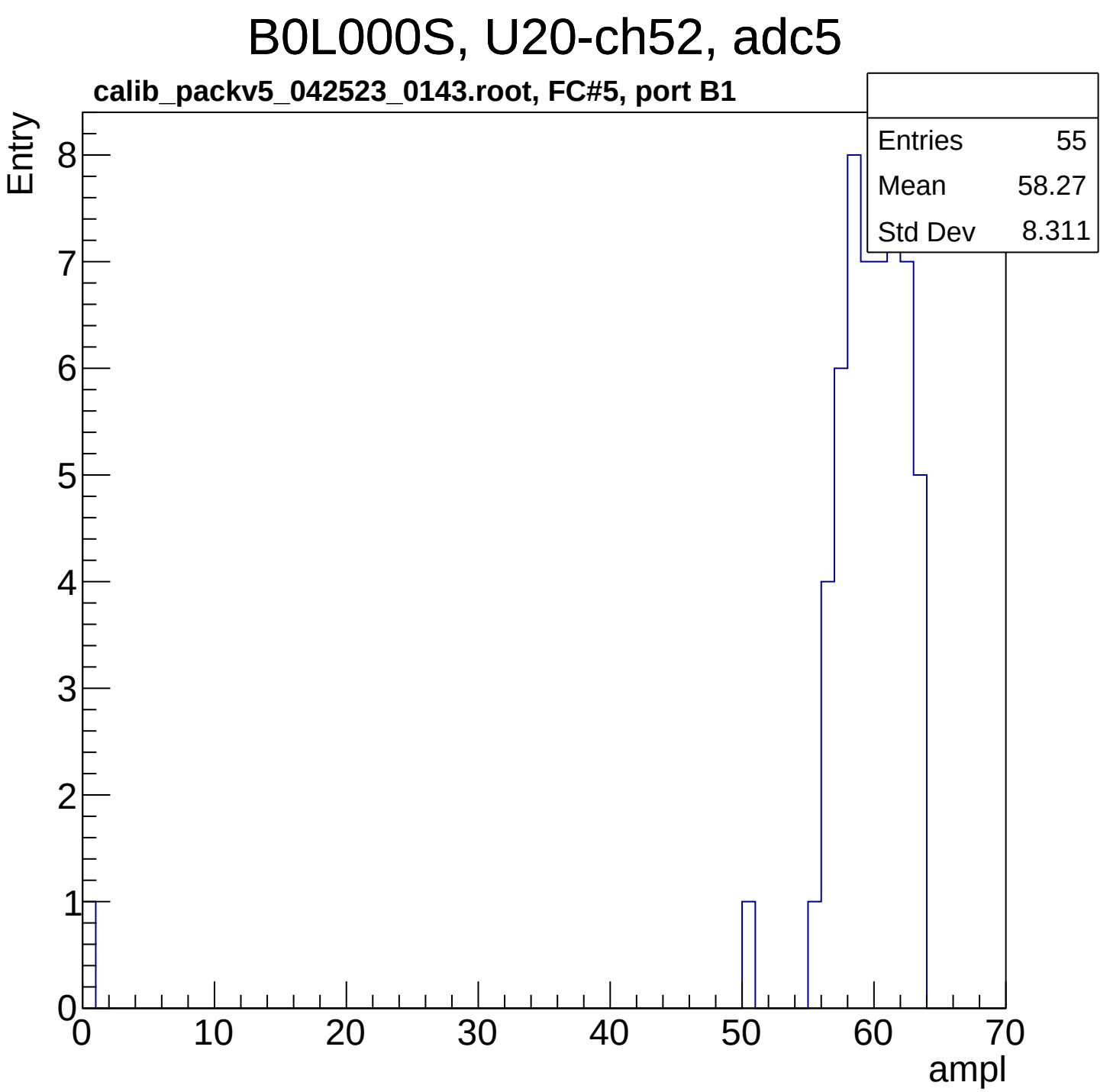
B0L000S, U20-ch52, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 58.27
Std Dev 8.311
Entry
ampl
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2
3
4
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6
7
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0
10
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60
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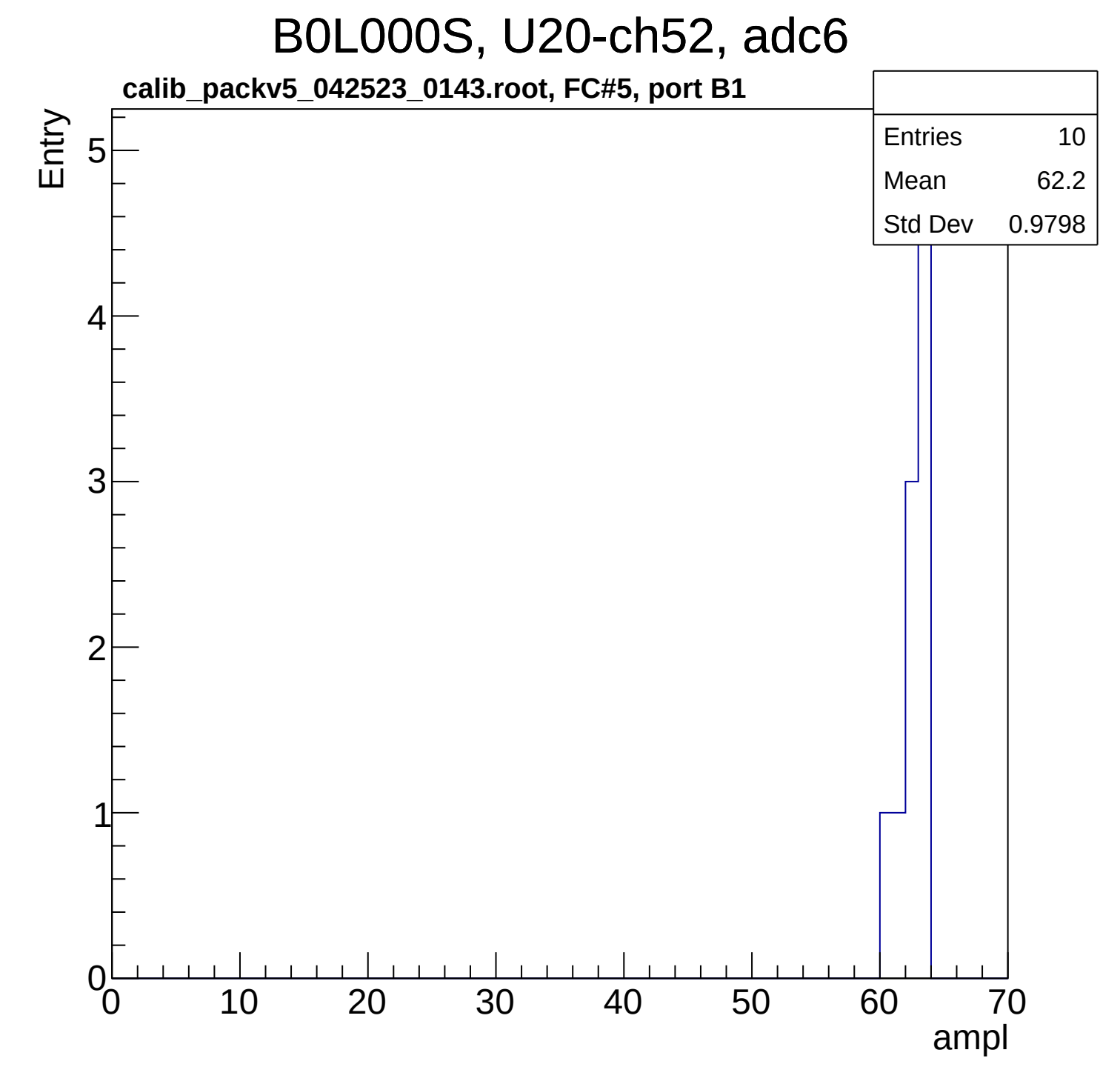
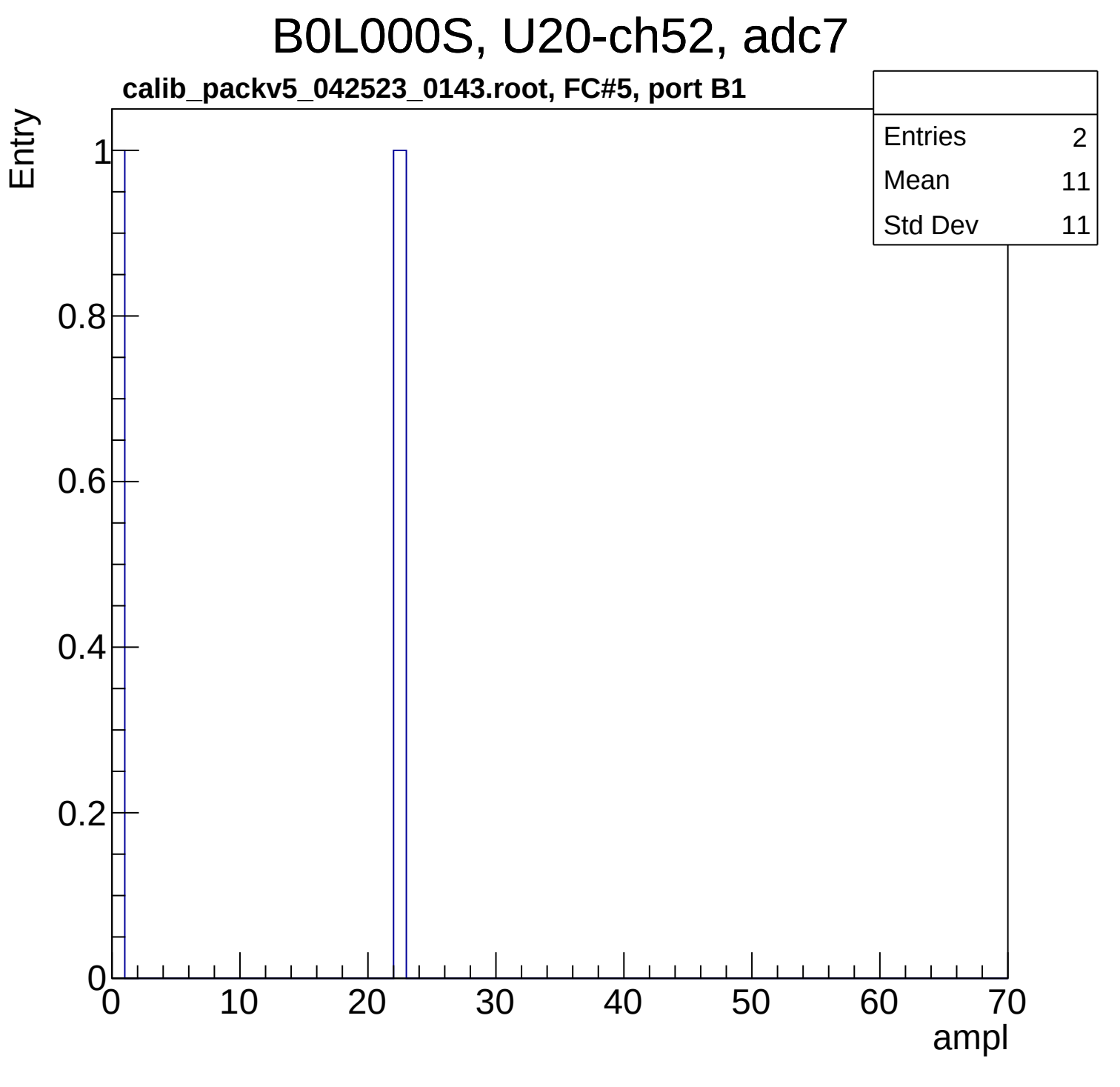

B0L000S, U20-ch52, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 62.2
Std Dev 0.9798
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch52, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 11
Std Dev 11
Entry
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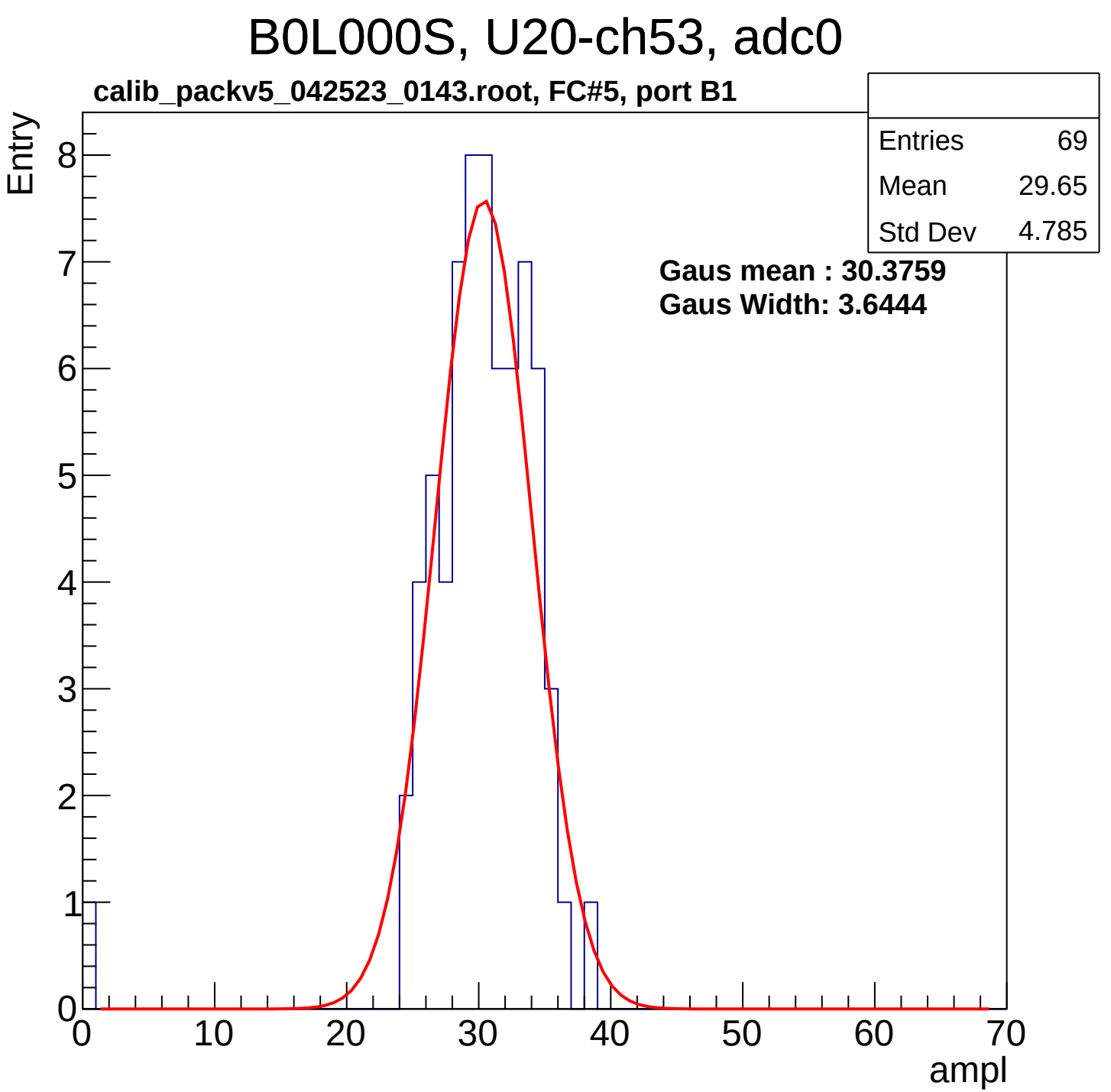
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch53, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 29.65
Std Dev 4.785
Gaus mean : 30.3759
Gaus Width: 3.6444
Entry
ampl
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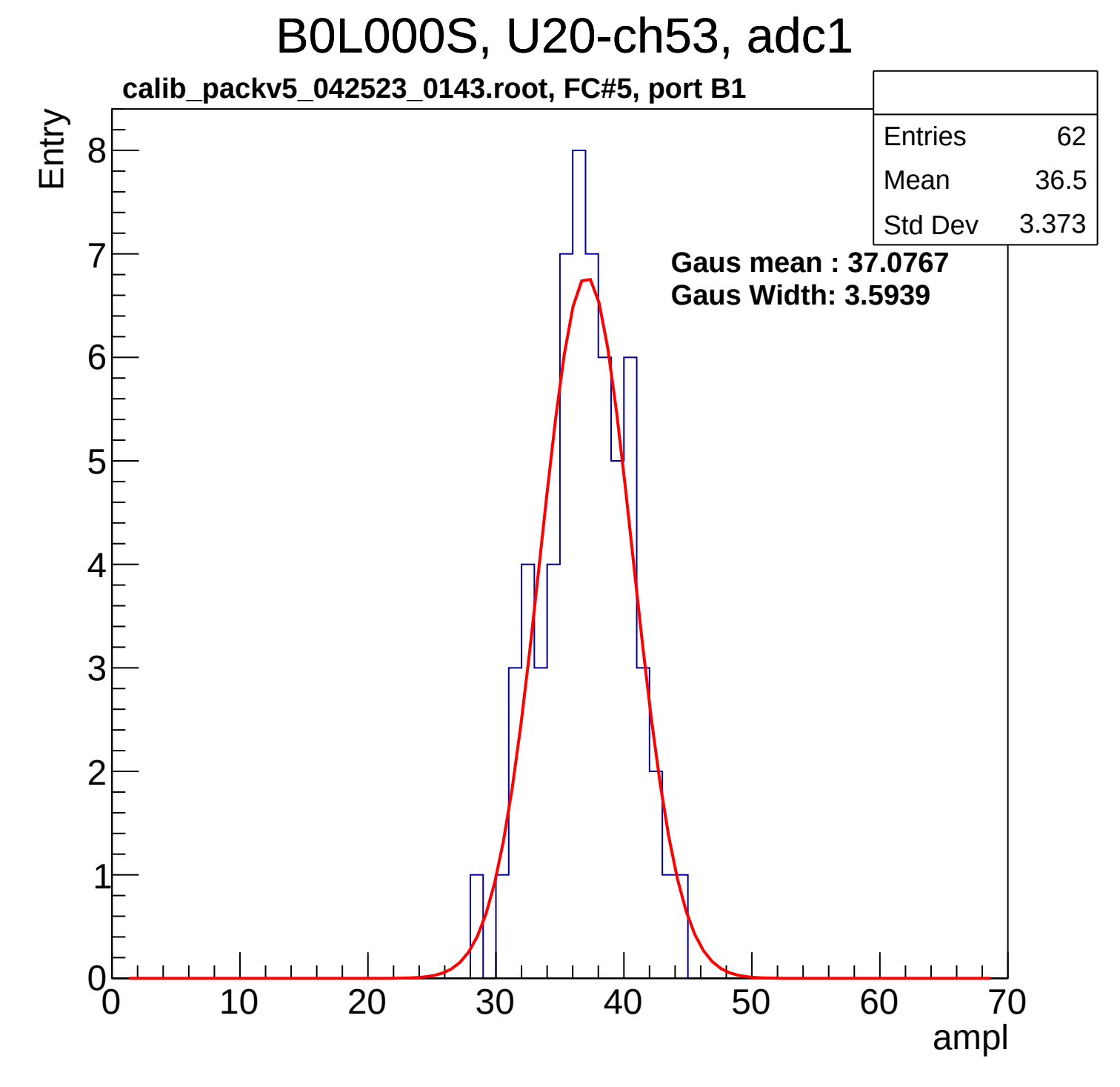
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch53, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36.5
Std Dev 3.373
Gaus mean : 37.0767
Gaus Width: 3.5939
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
30
40
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60
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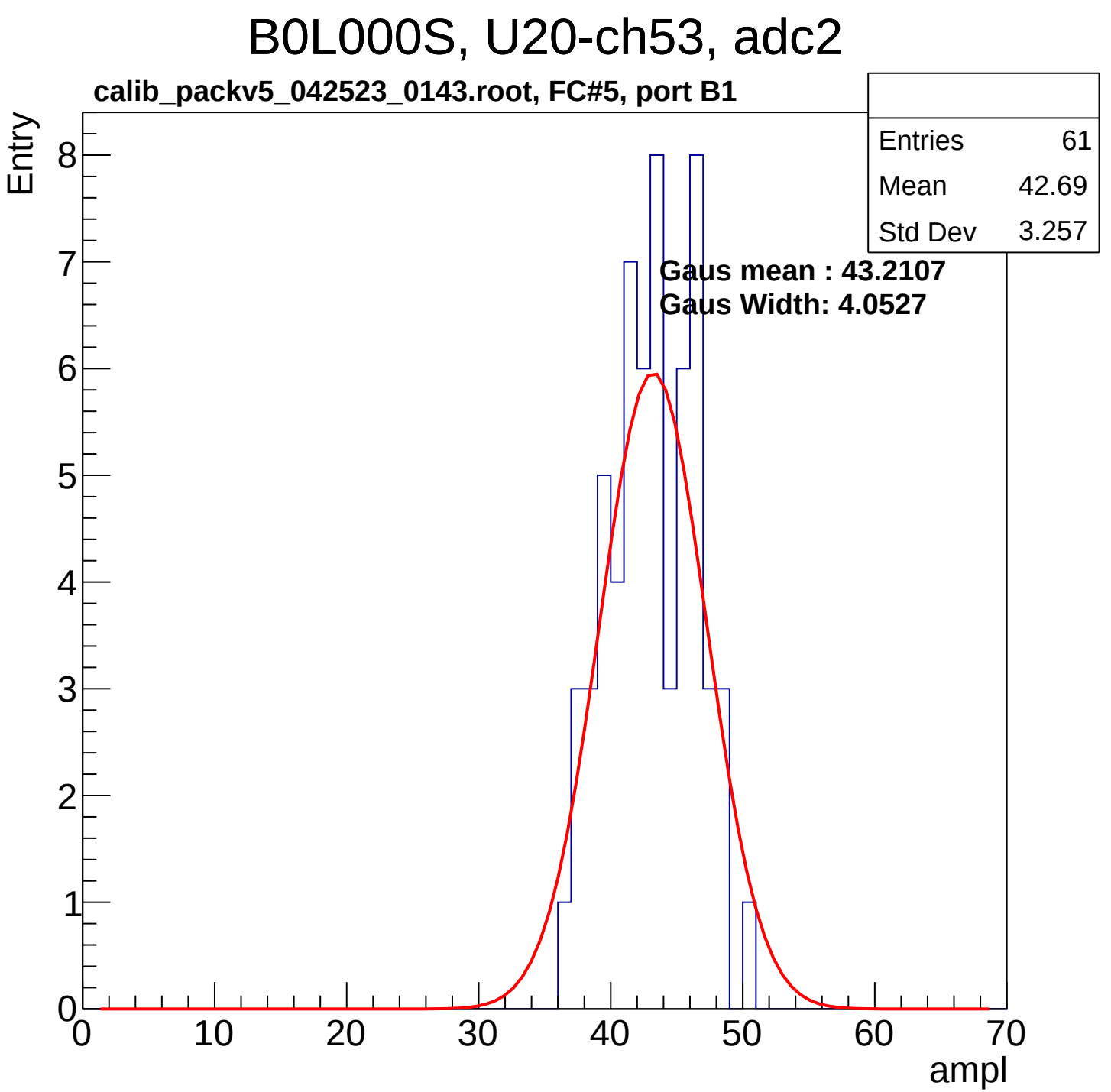
B0L000S, U20-ch53, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 42.69
Std Dev 3.257
Gaus mean : 43.2107
Gaus Width: 4.0527
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
50
60
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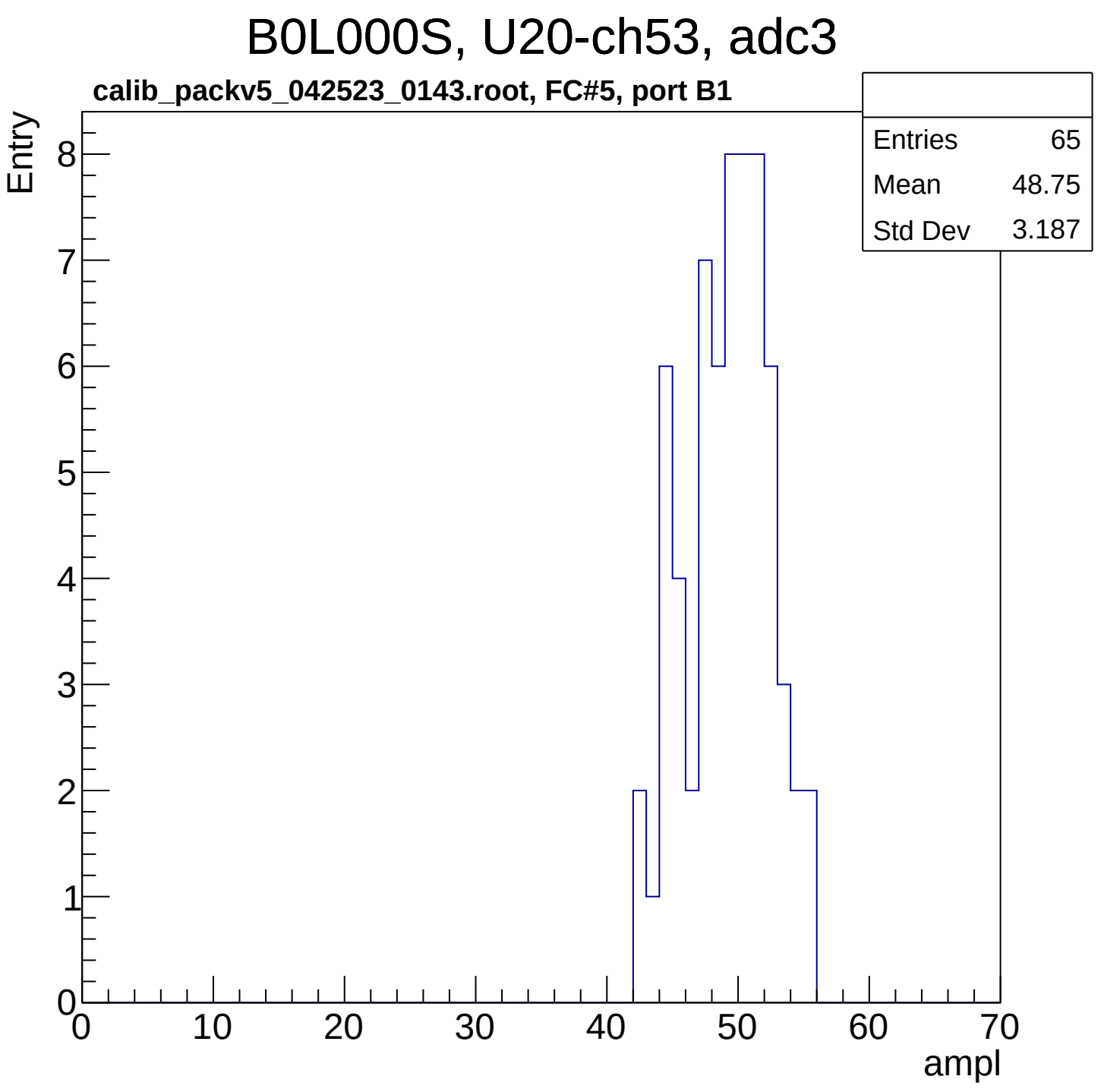
B0L000S, U20-ch53, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 48.75
Std Dev 3.187
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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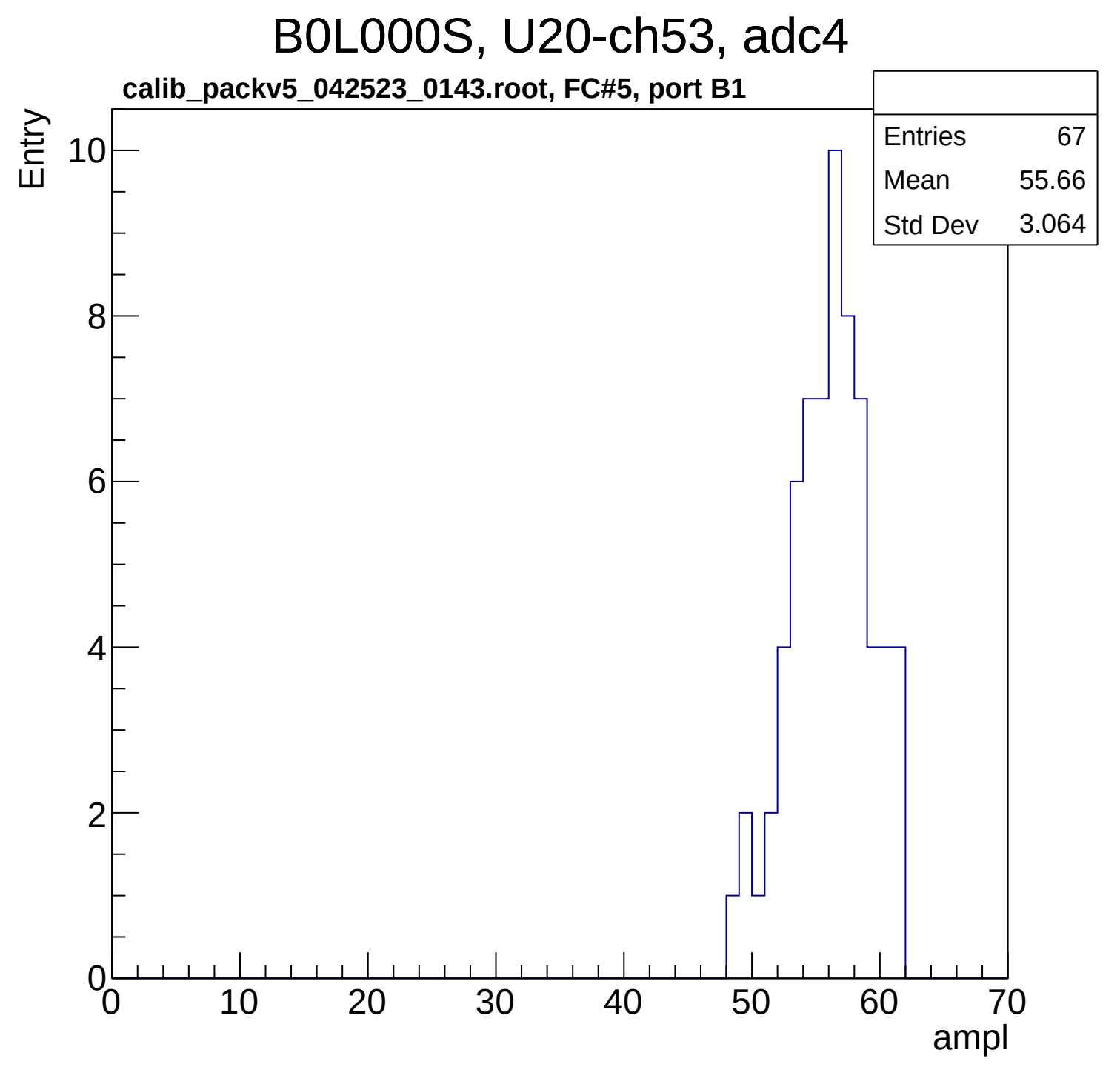
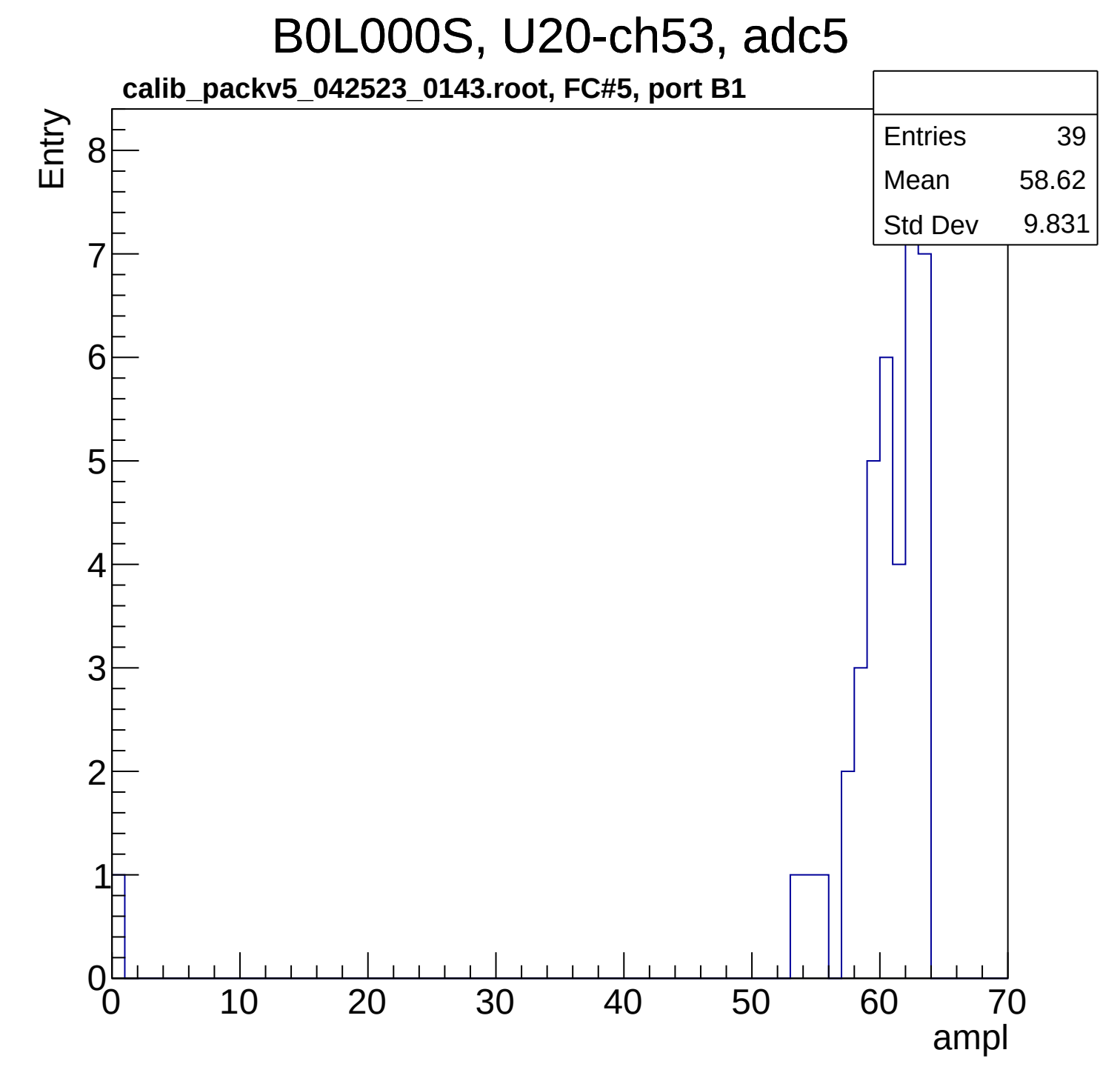

B0L000S, U20-ch53, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 55.66
Std Dev 3.064
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch53, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 39
Mean 58.62
Std Dev 9.831
Entry
ampl
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2
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4
5
6
7
8
0
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40
50
60
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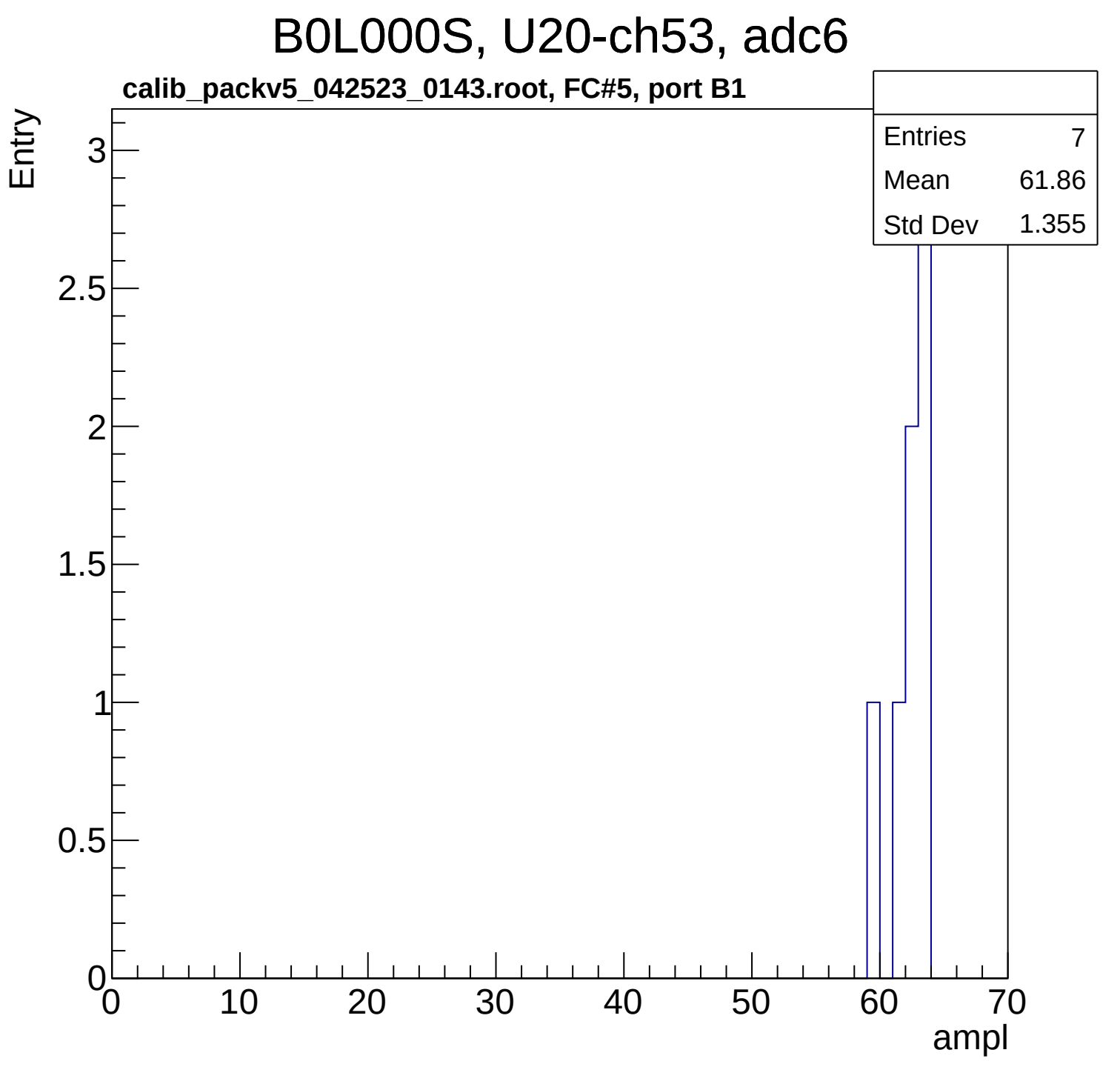
B0L000S, U20-ch53, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 61.86
Std Dev 1.355
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
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60
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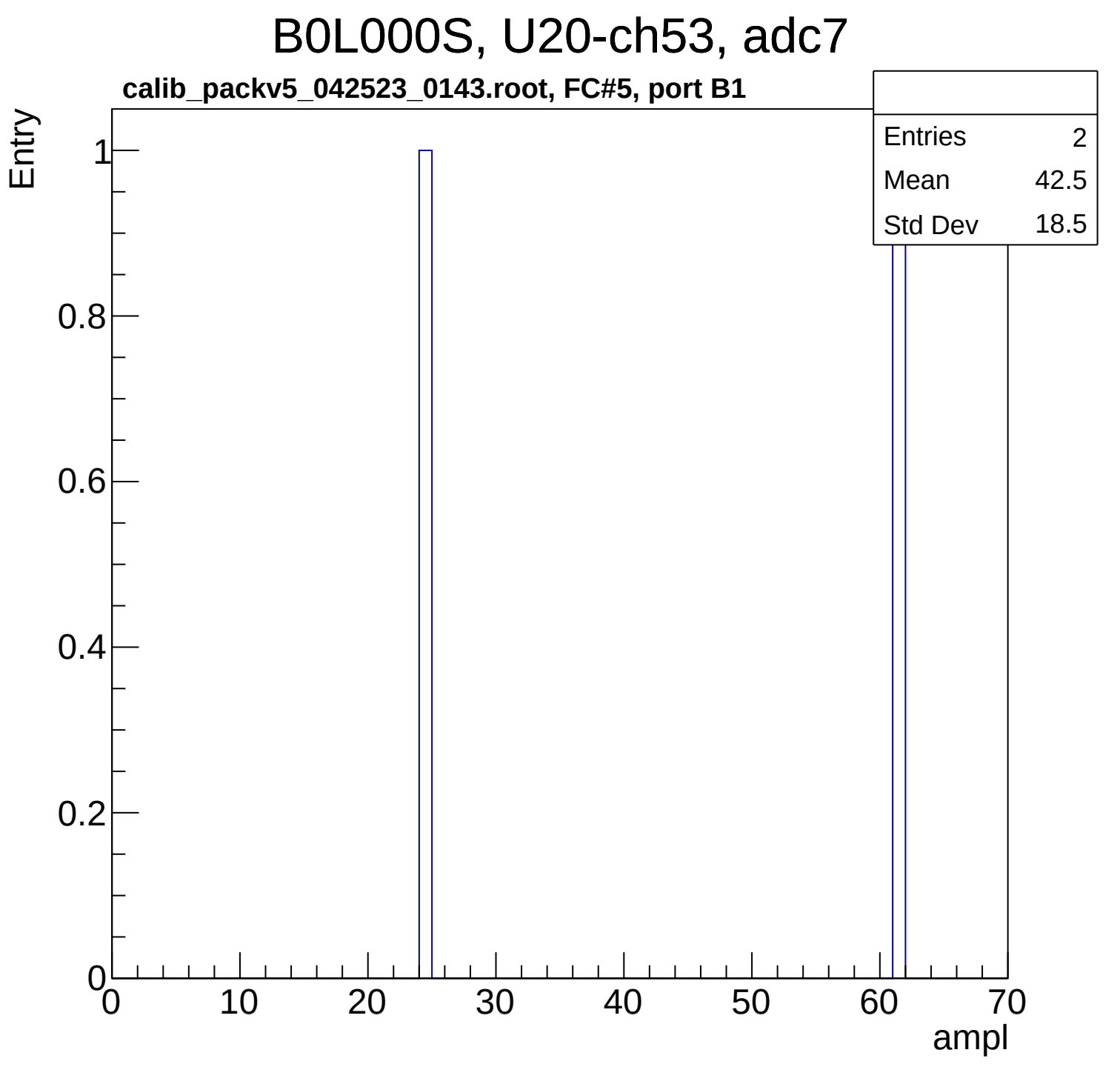
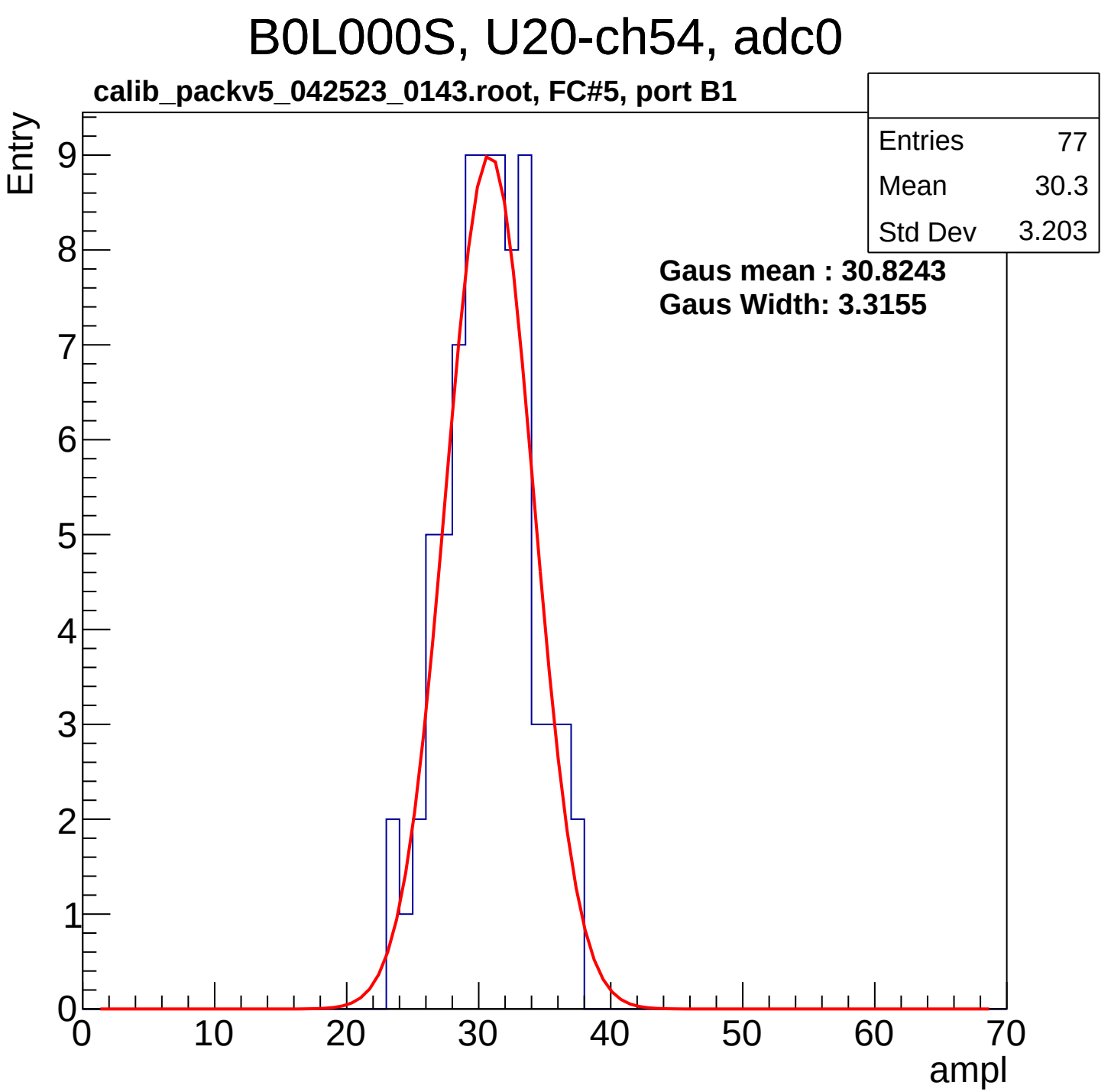

B0L000S, U20-ch53, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 42.5
Std Dev 18.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch54, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 30.3
Std Dev 3.203
Gaus mean : 30.8243
Gaus Width: 3.3155
Entry
ampl
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2
3
4
5
6
7
8
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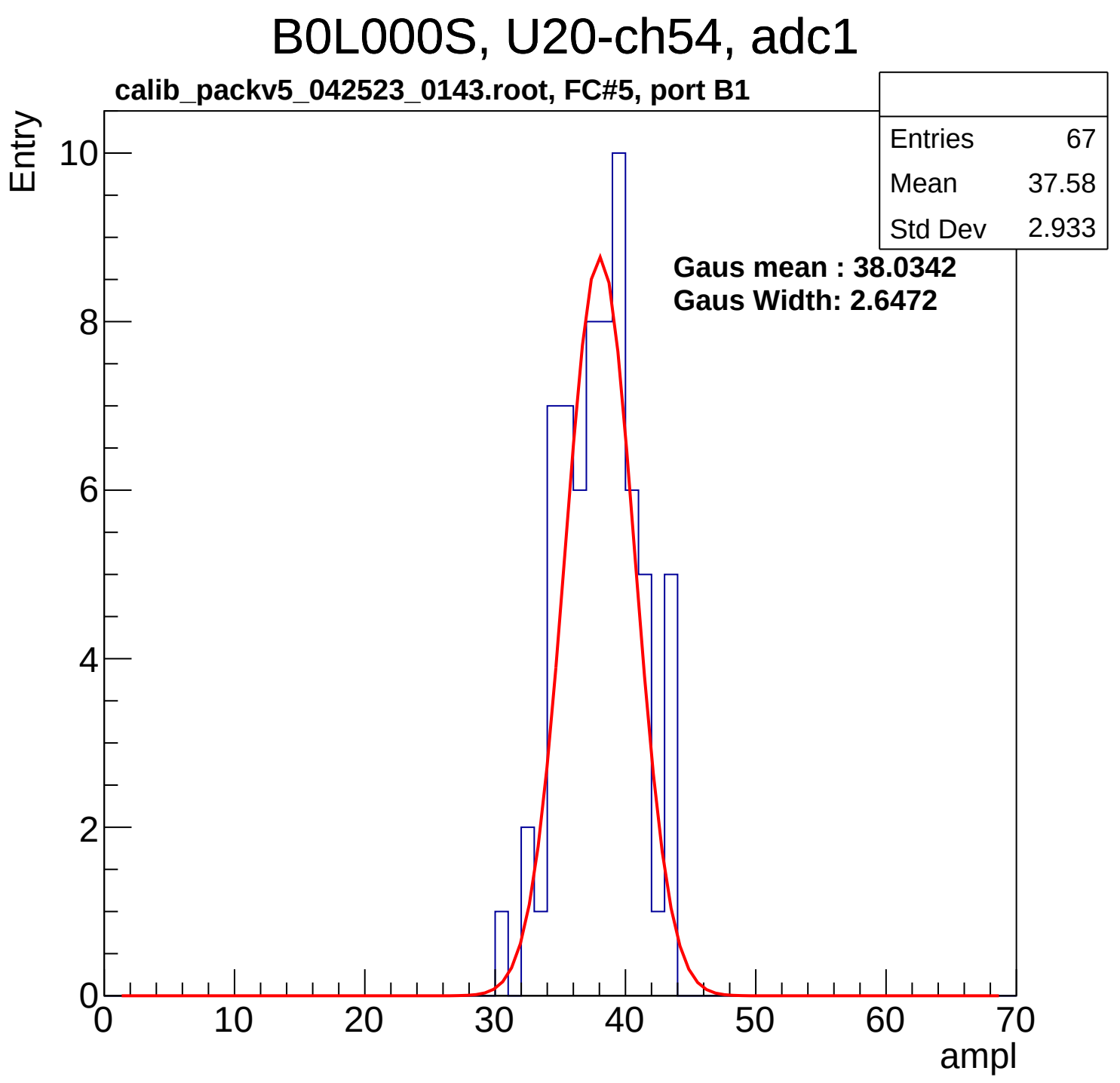
B0L000S, U20-ch54, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 37.58
Std Dev 2.933
Gaus mean : 38.0342
Gaus Width: 2.6472
Entry
ampl
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4
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0
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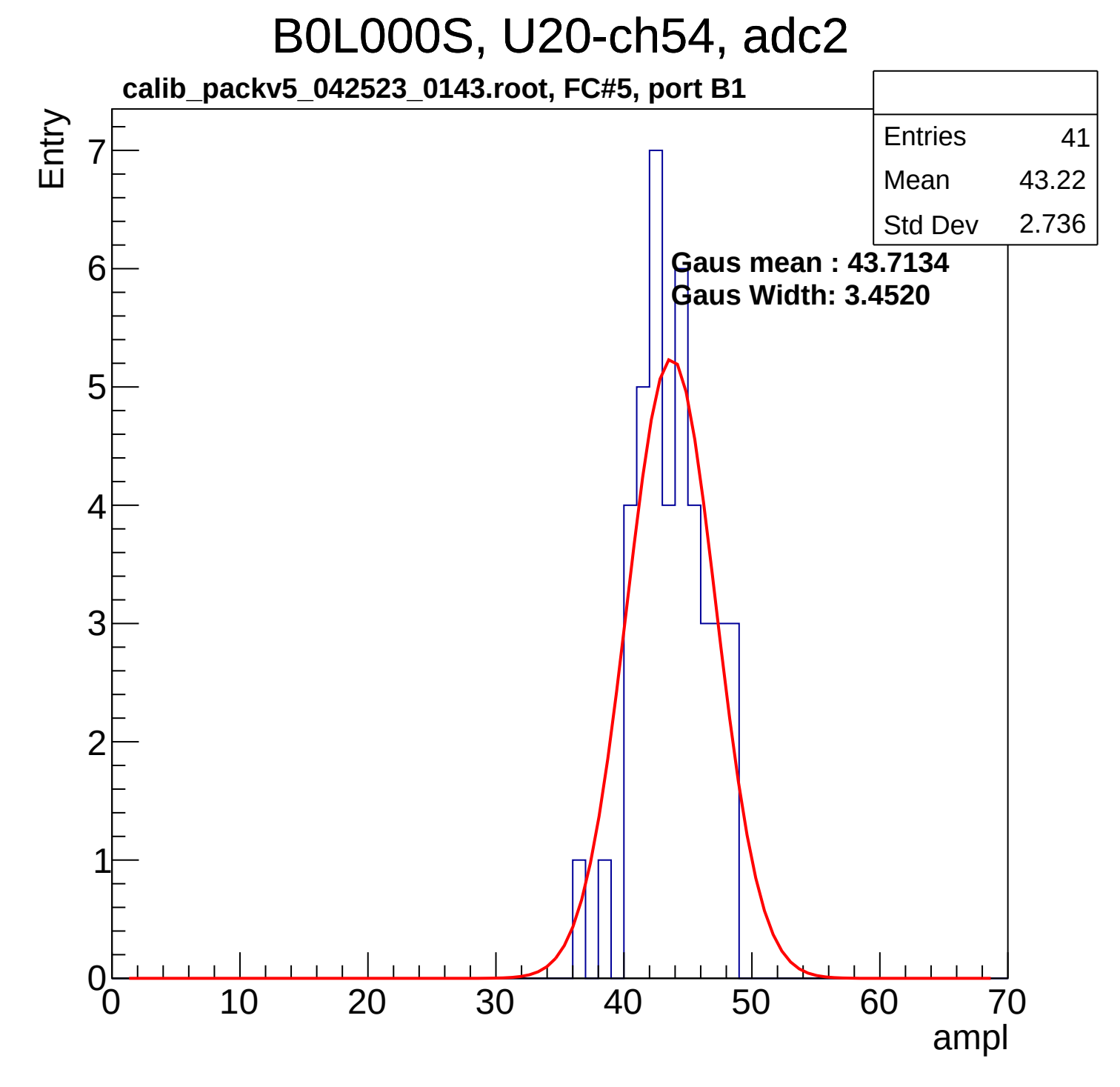
B0L000S, U20-ch54, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 43.22
Std Dev 2.736
Gaus mean : 43.7134
Gaus Width: 3.4520
Entry
ampl
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4
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0
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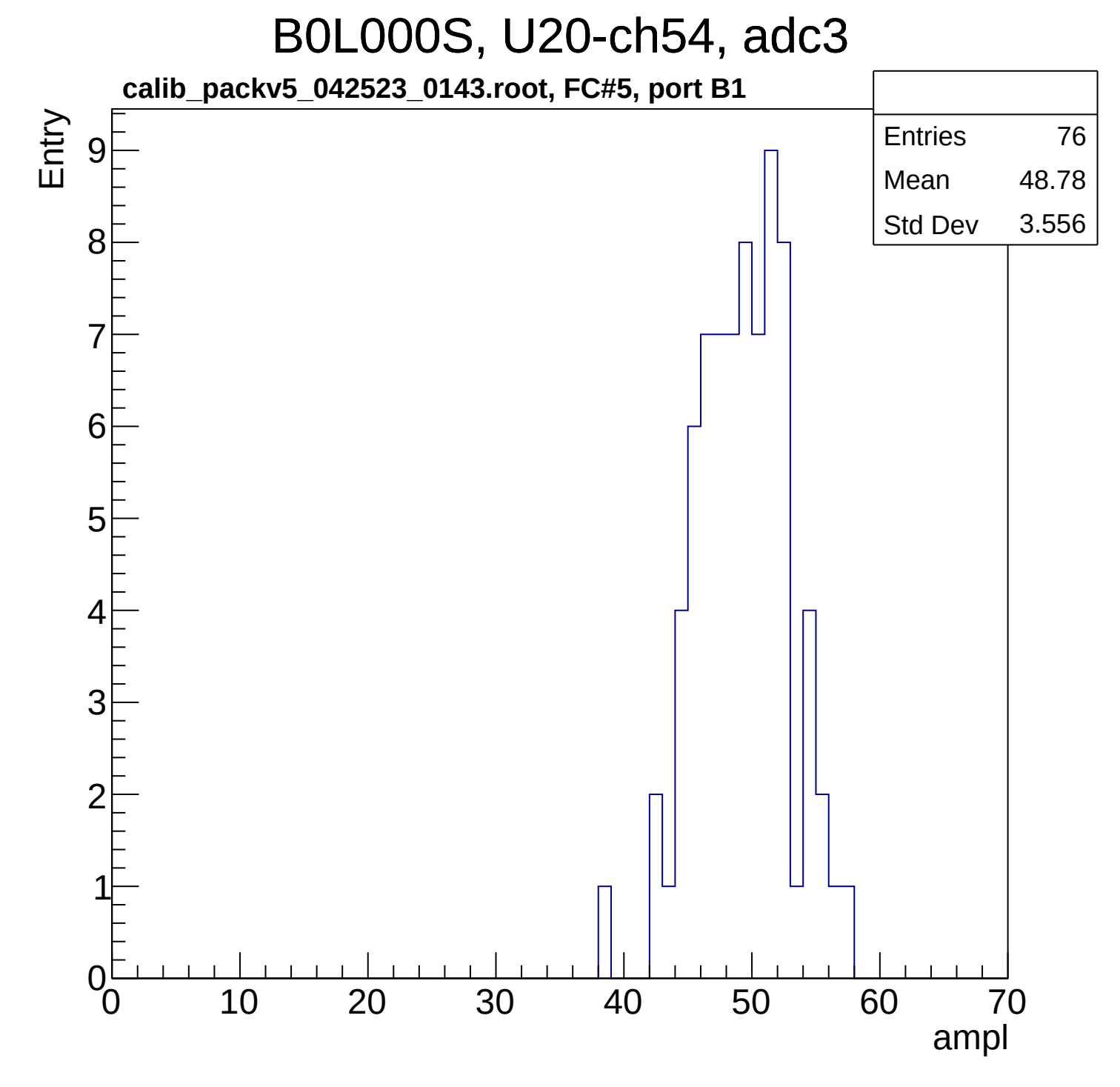
B0L000S, U20-ch54, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 48.78
Std Dev 3.556
Entry
ampl
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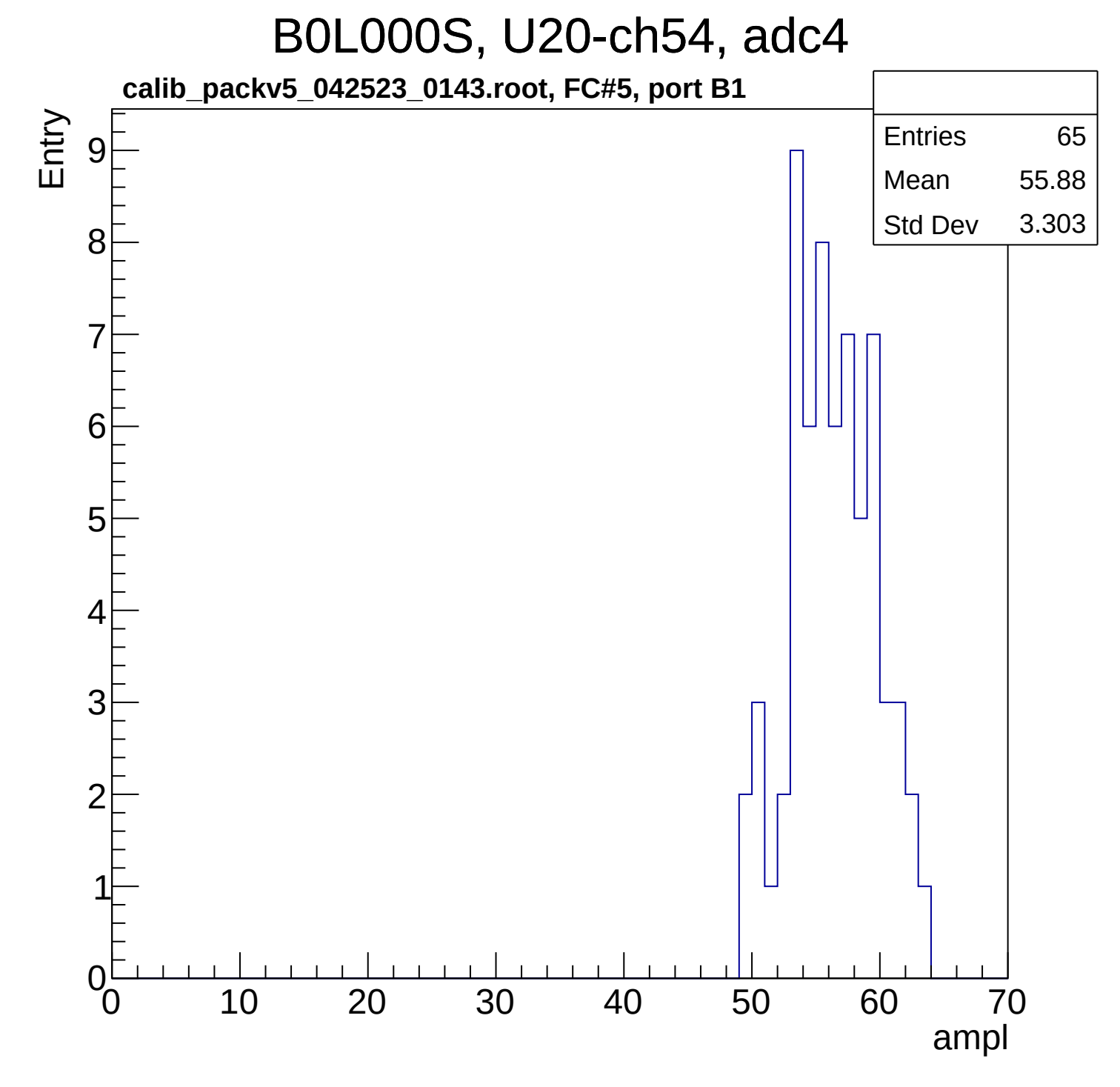
B0L000S, U20-ch54, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 55.88
Std Dev 3.303
Entry
ampl
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2
3
4
5
6
7
8
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0
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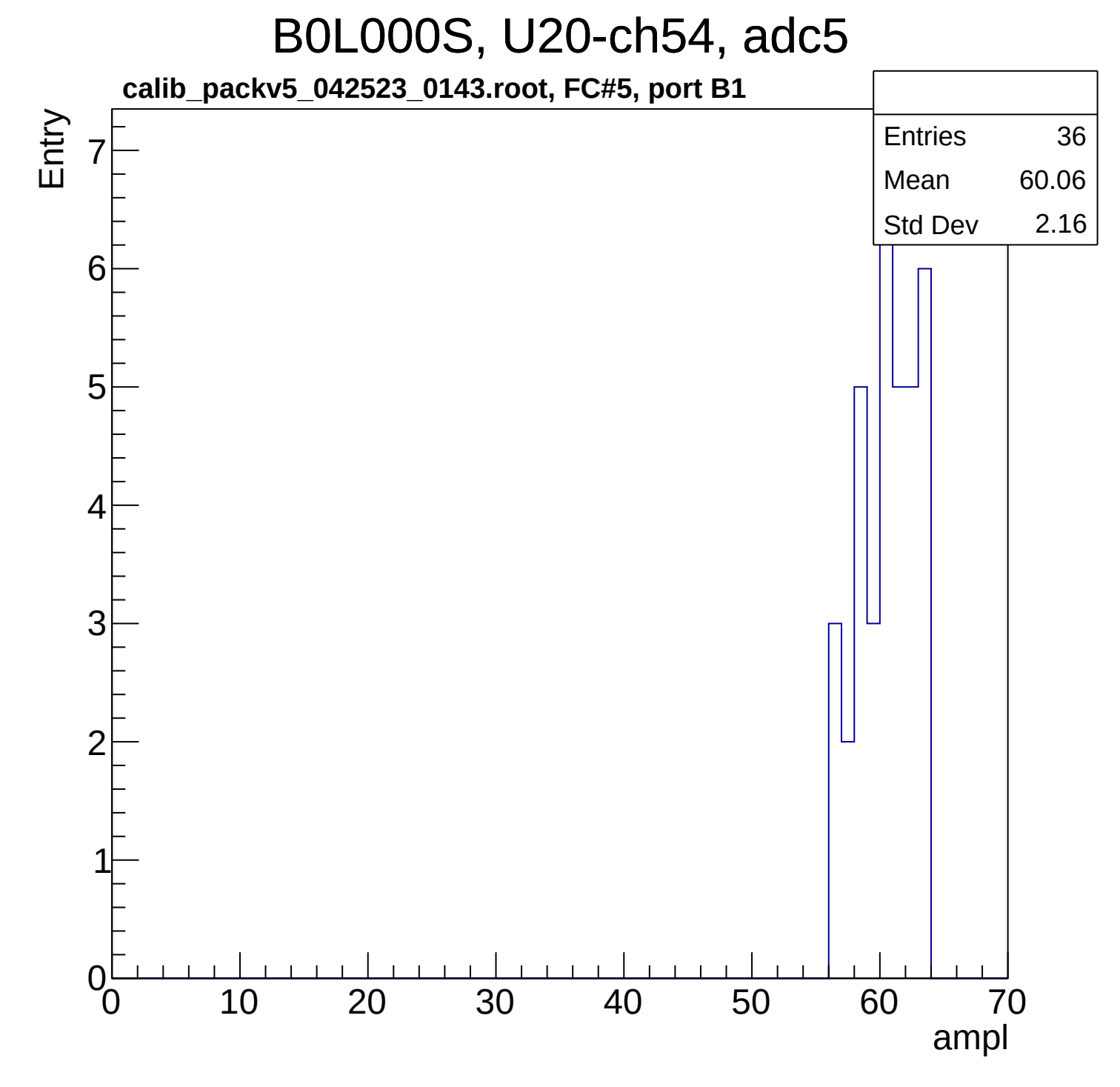
B0L000S, U20-ch54, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 36
Mean 60.06
Std Dev 2.16
Entry
ampl
0
1
2
3
4
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6
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0
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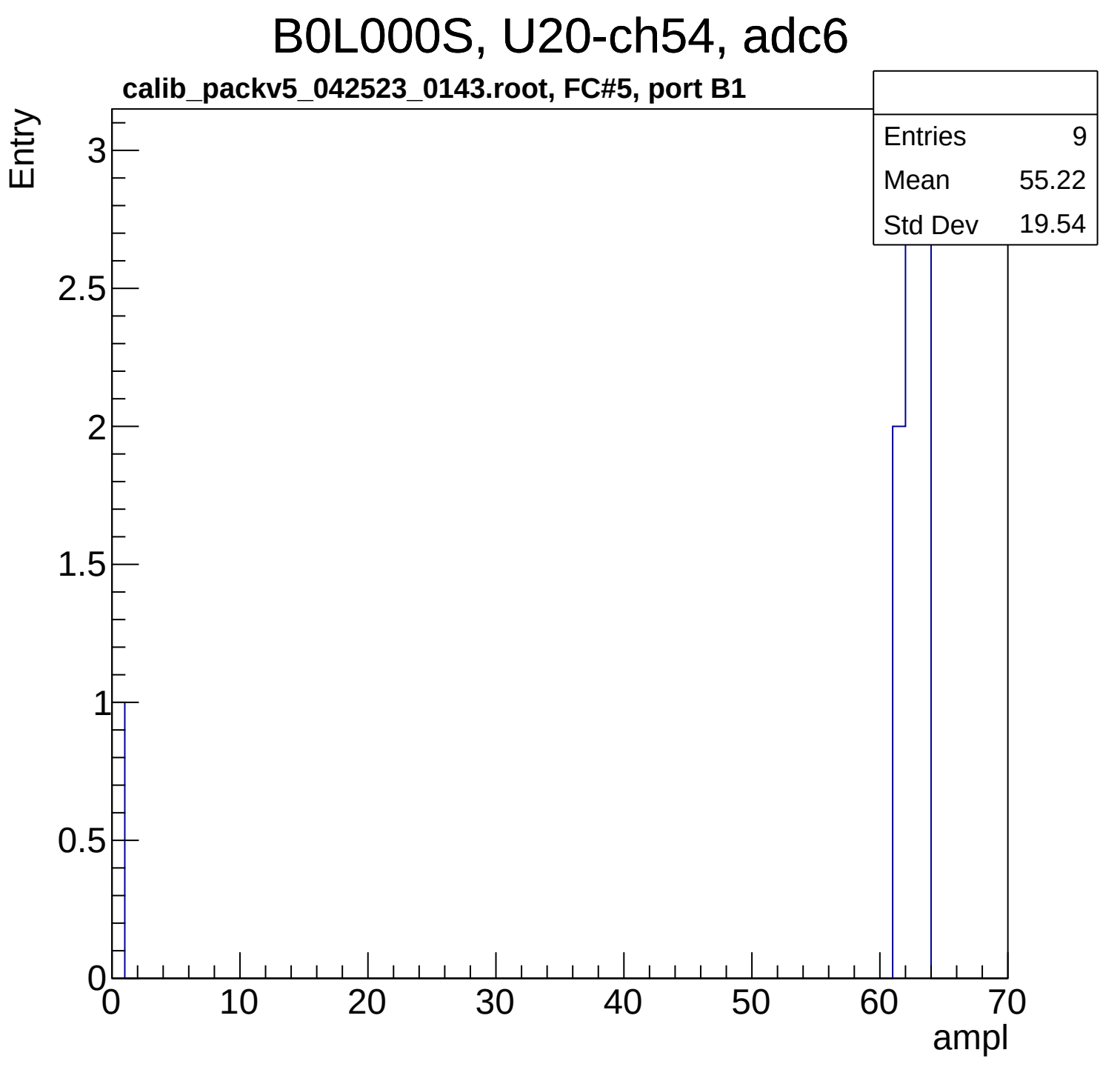
B0L000S, U20-ch54, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 9
Mean 55.22
Std Dev 19.54
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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40
50
60
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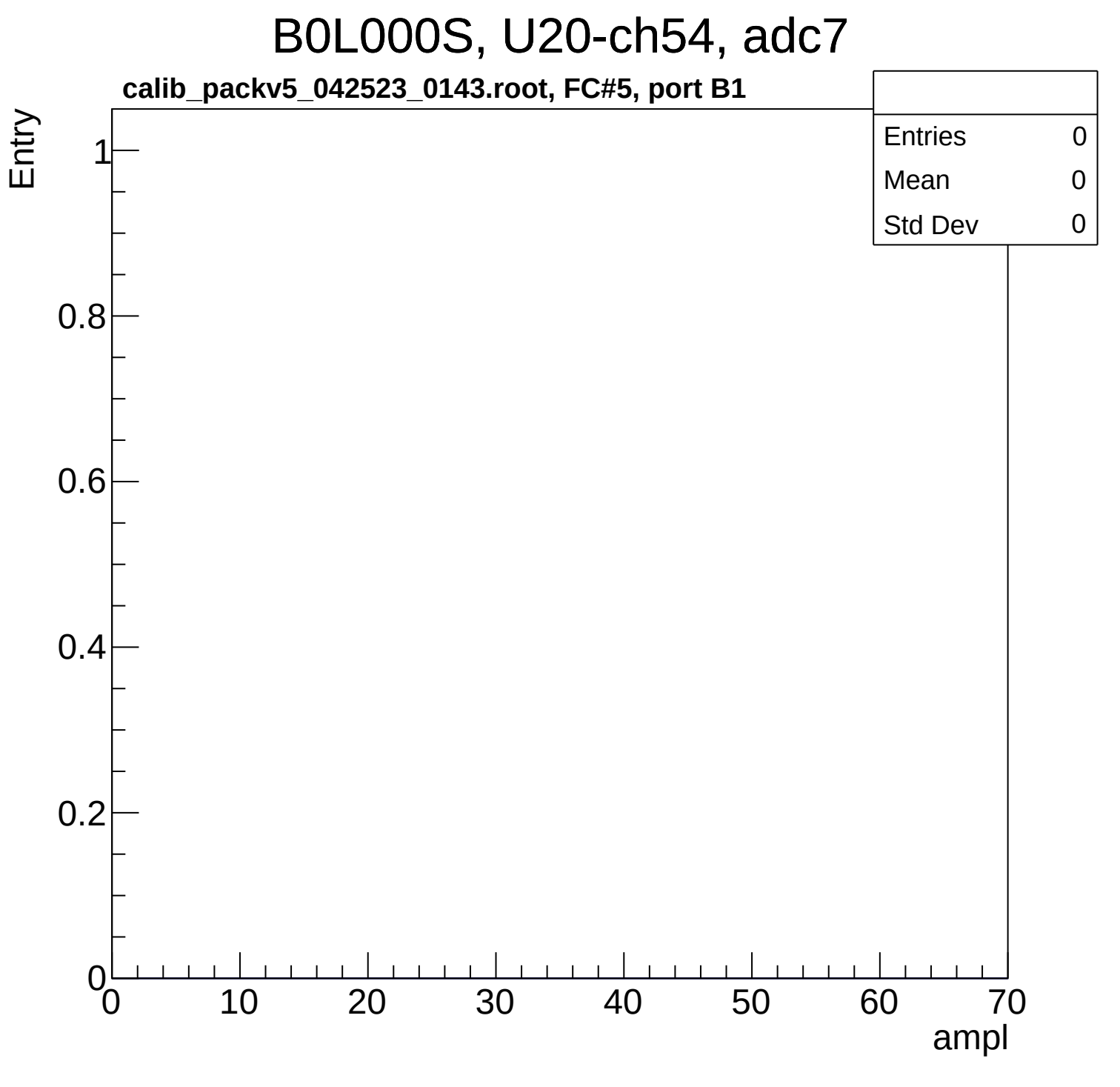
B0L000S, U20-ch54, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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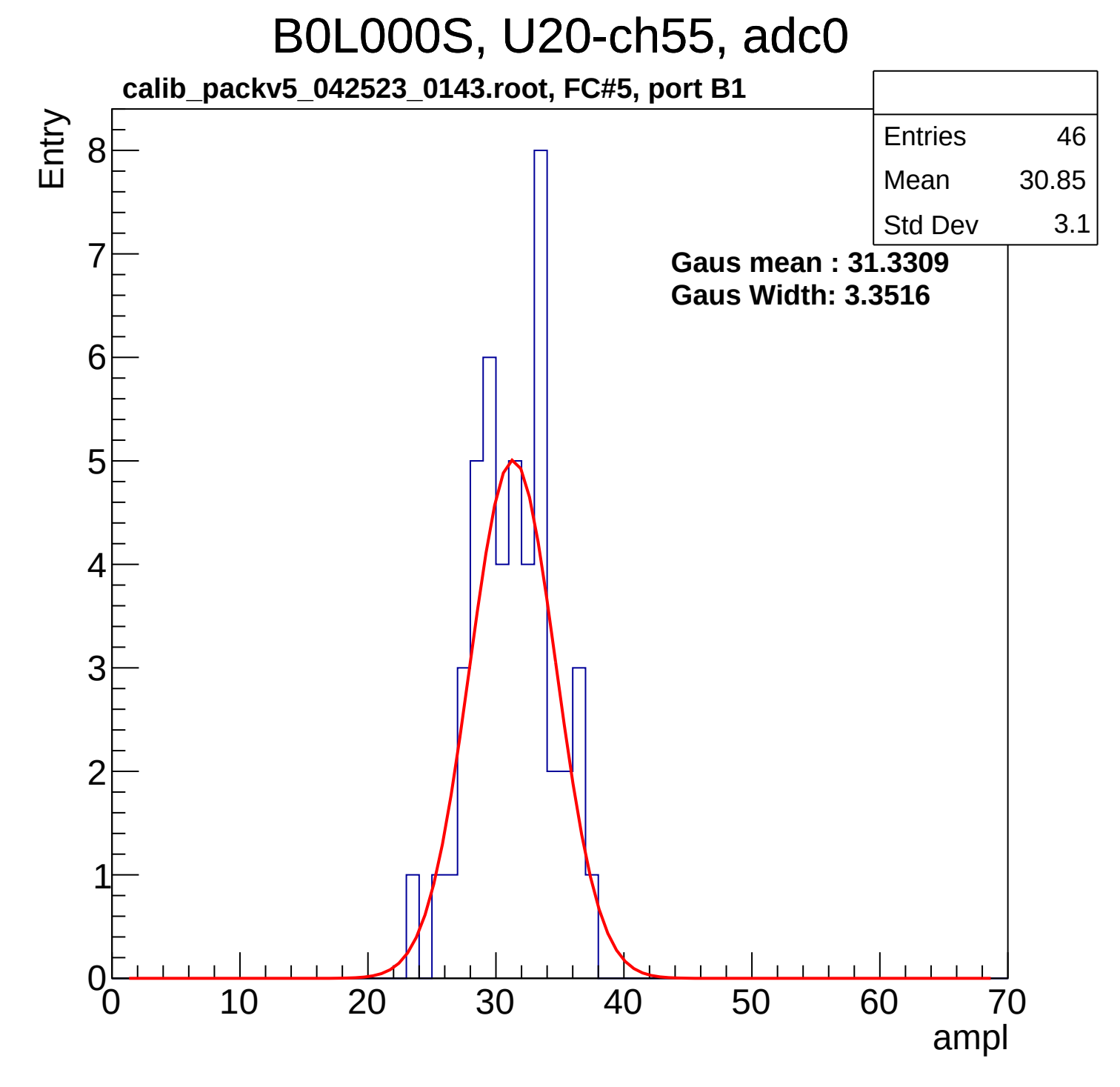
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch55, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 30.85
Std Dev 3.1
Gaus mean : 31.3309
Gaus Width: 3.3516
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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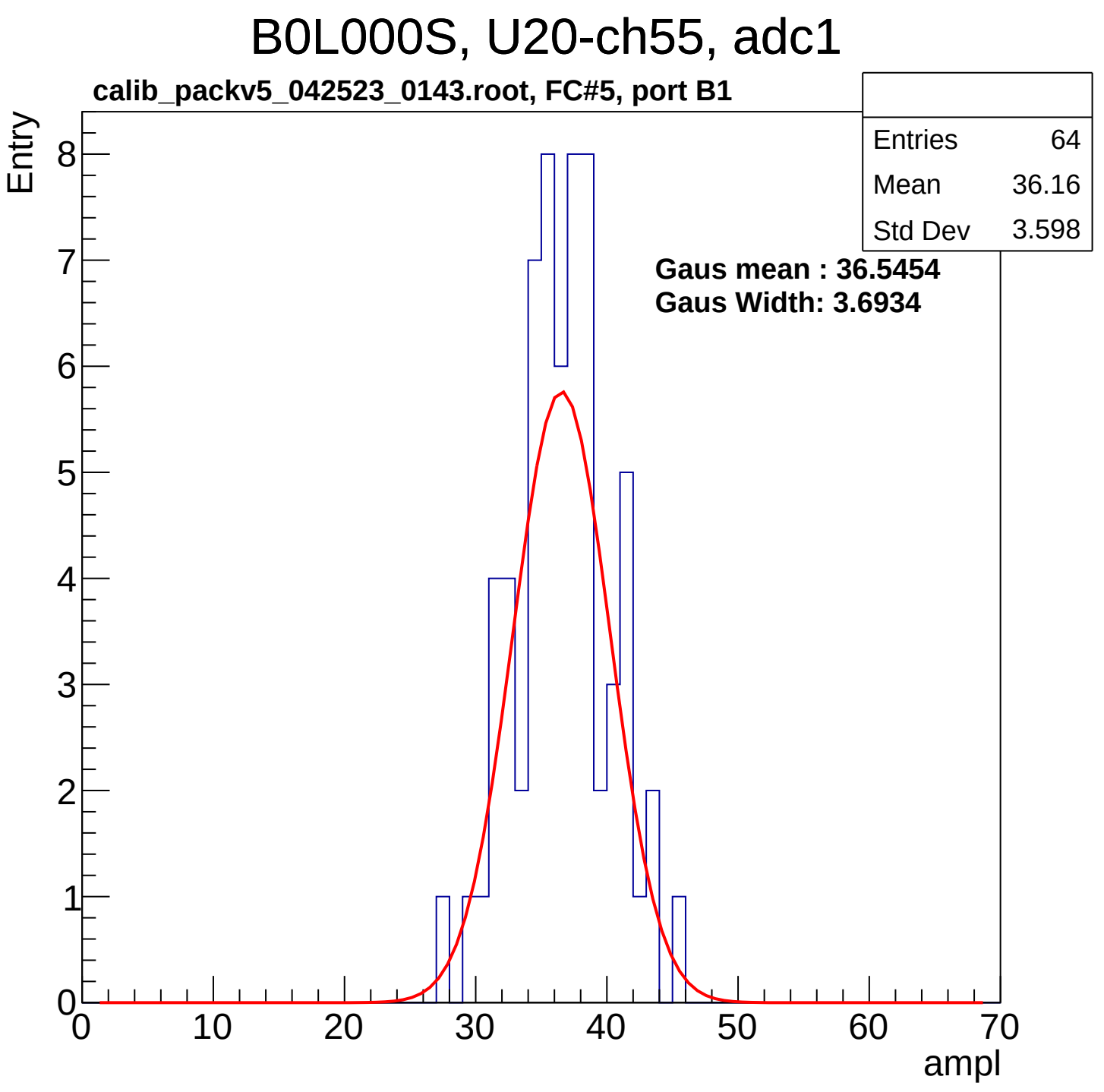
B0L000S, U20-ch55, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 36.16
Std Dev 3.598
Gaus mean : 36.5454
Gaus Width: 3.6934
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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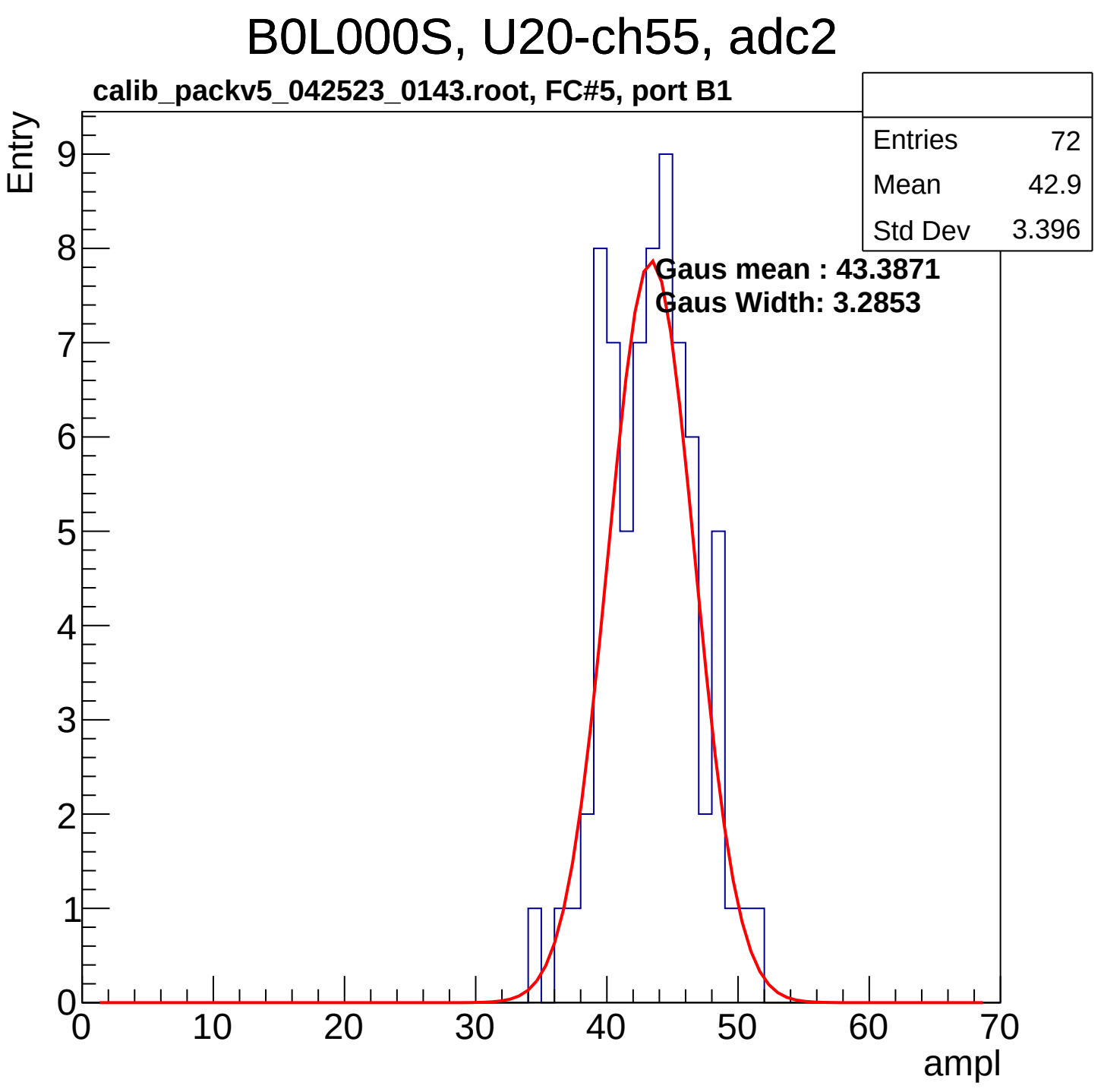
B0L000S, U20-ch55, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 42.9
Std Dev 3.396
Gaus mean : 43.3871
Gaus Width: 3.2853
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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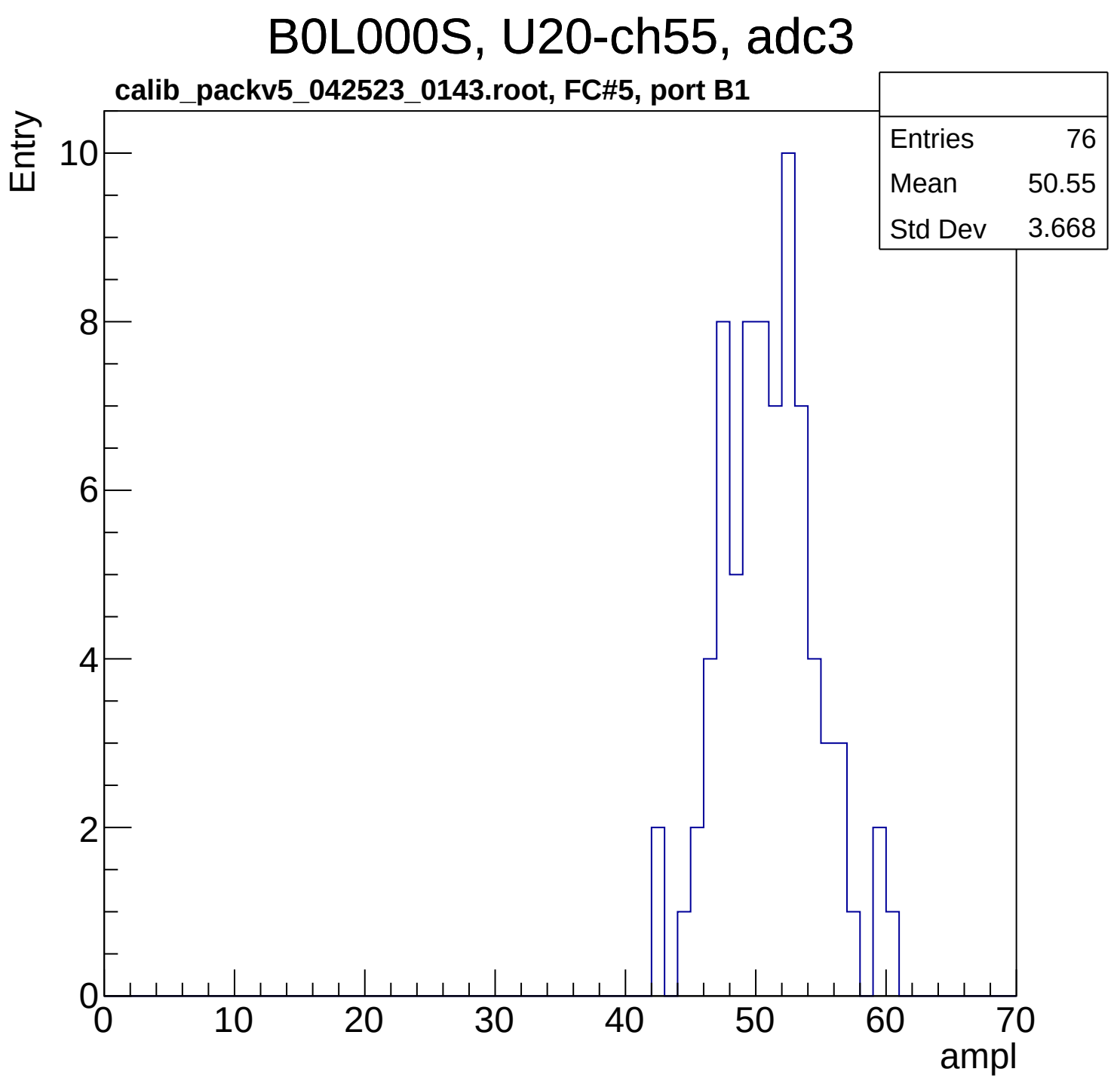
B0L000S, U20-ch55, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 50.55
Std Dev 3.668
Entry
0
2
4
6
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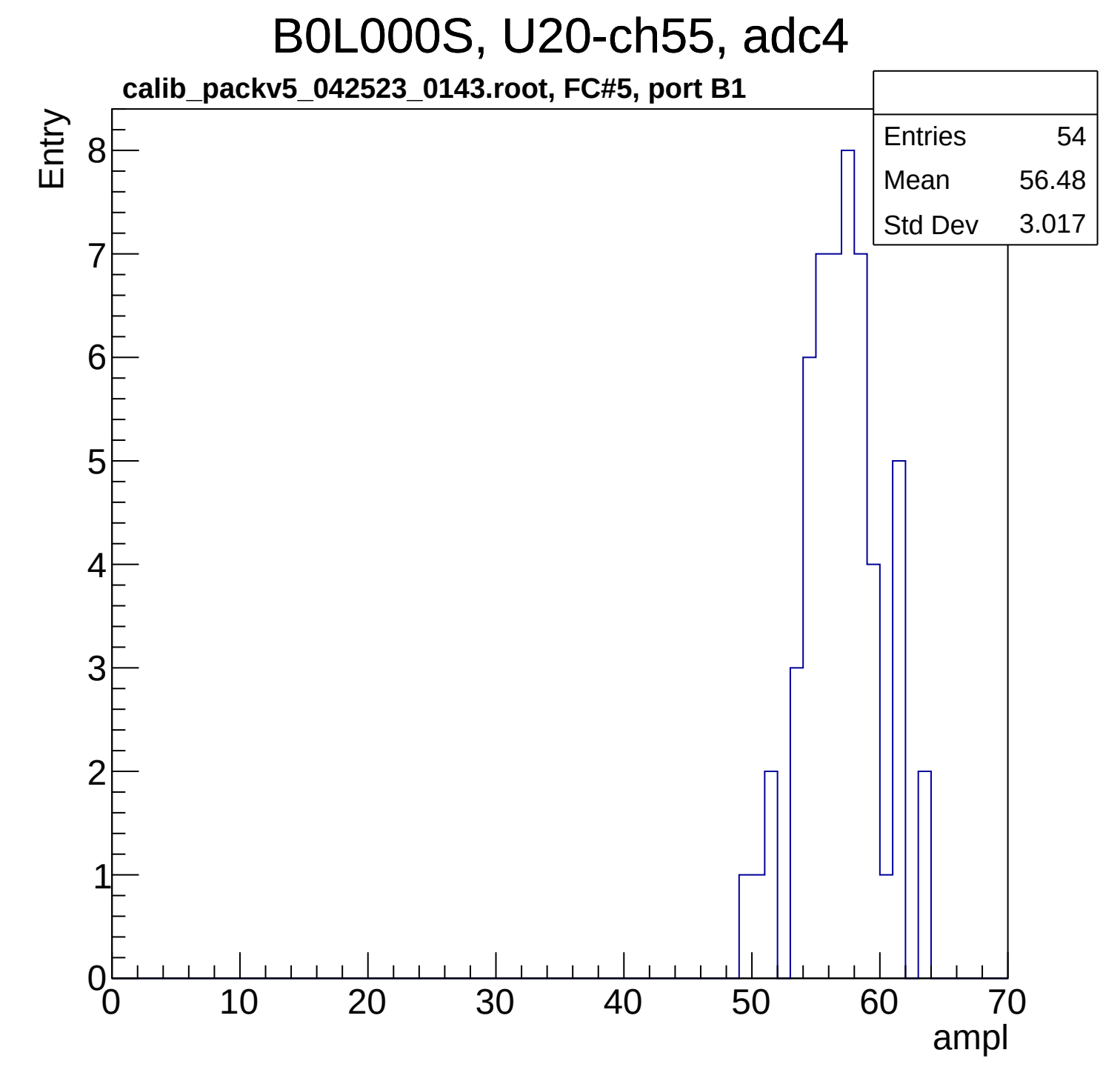
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch55, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 56.48
Std Dev 3.017
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
30
40
50
60
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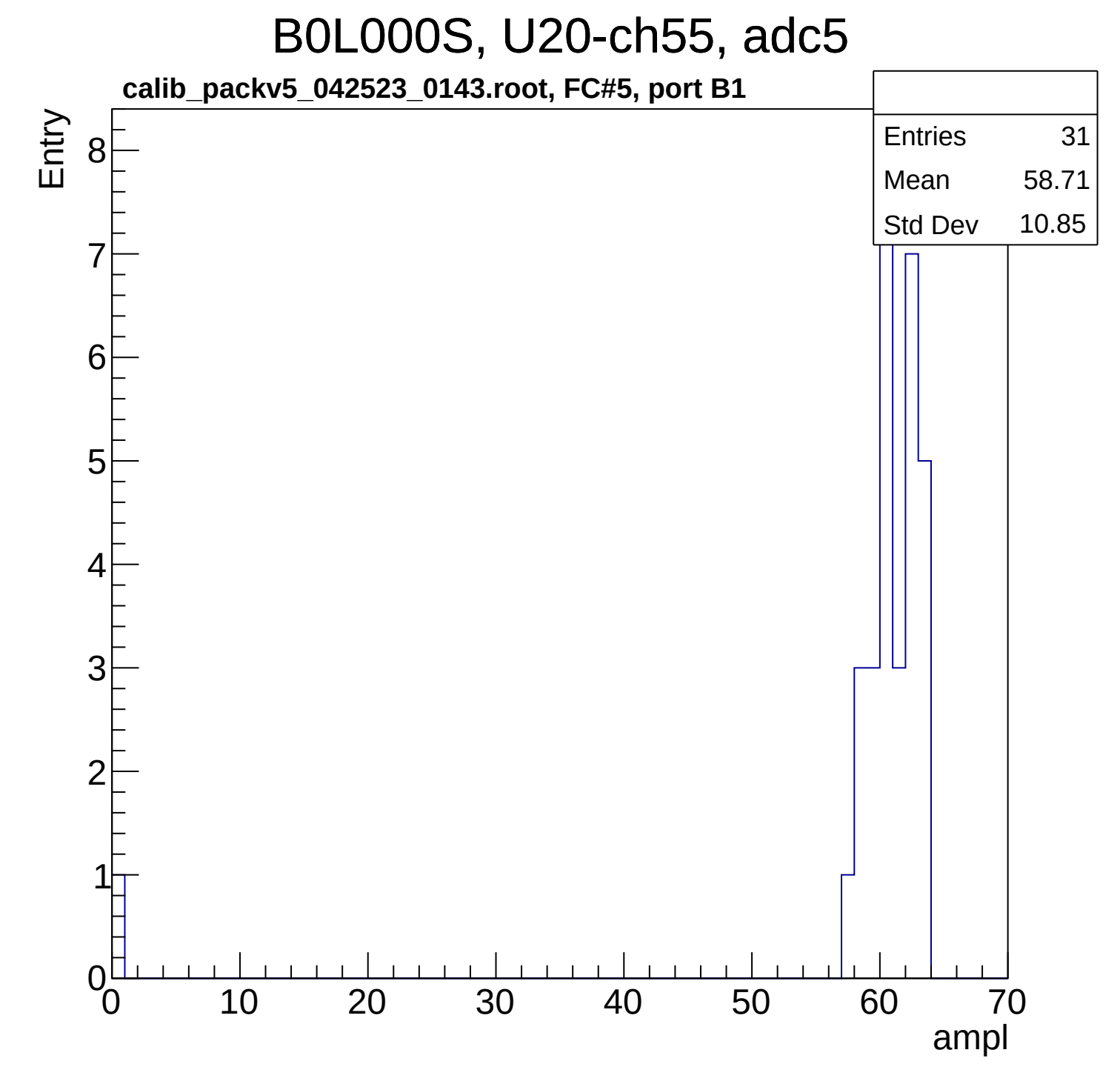
B0L000S, U20-ch55, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 31
Mean 58.71
Std Dev 10.85
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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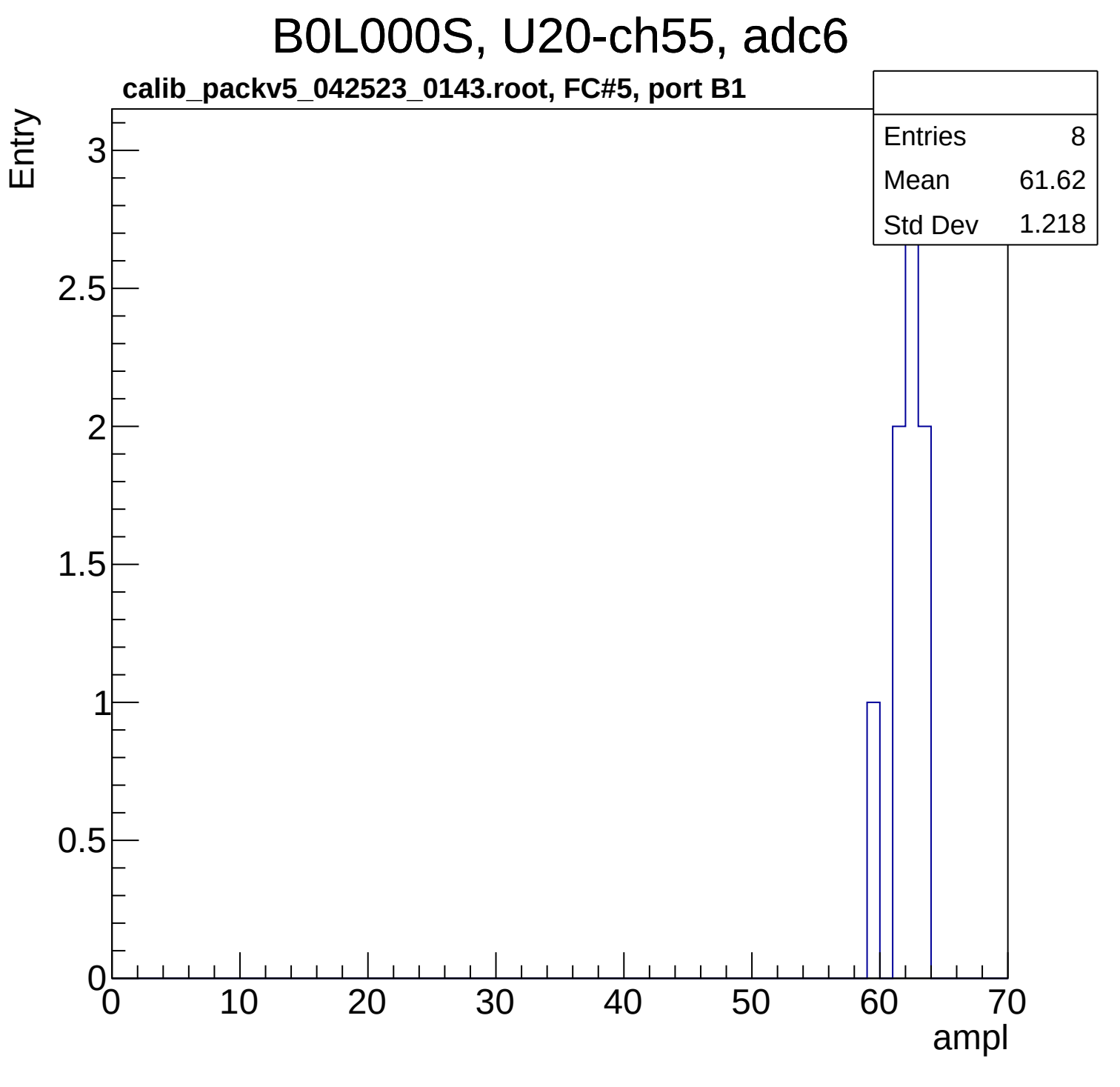
B0L000S, U20-ch55, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 61.62
Std Dev 1.218
Entry
ampl
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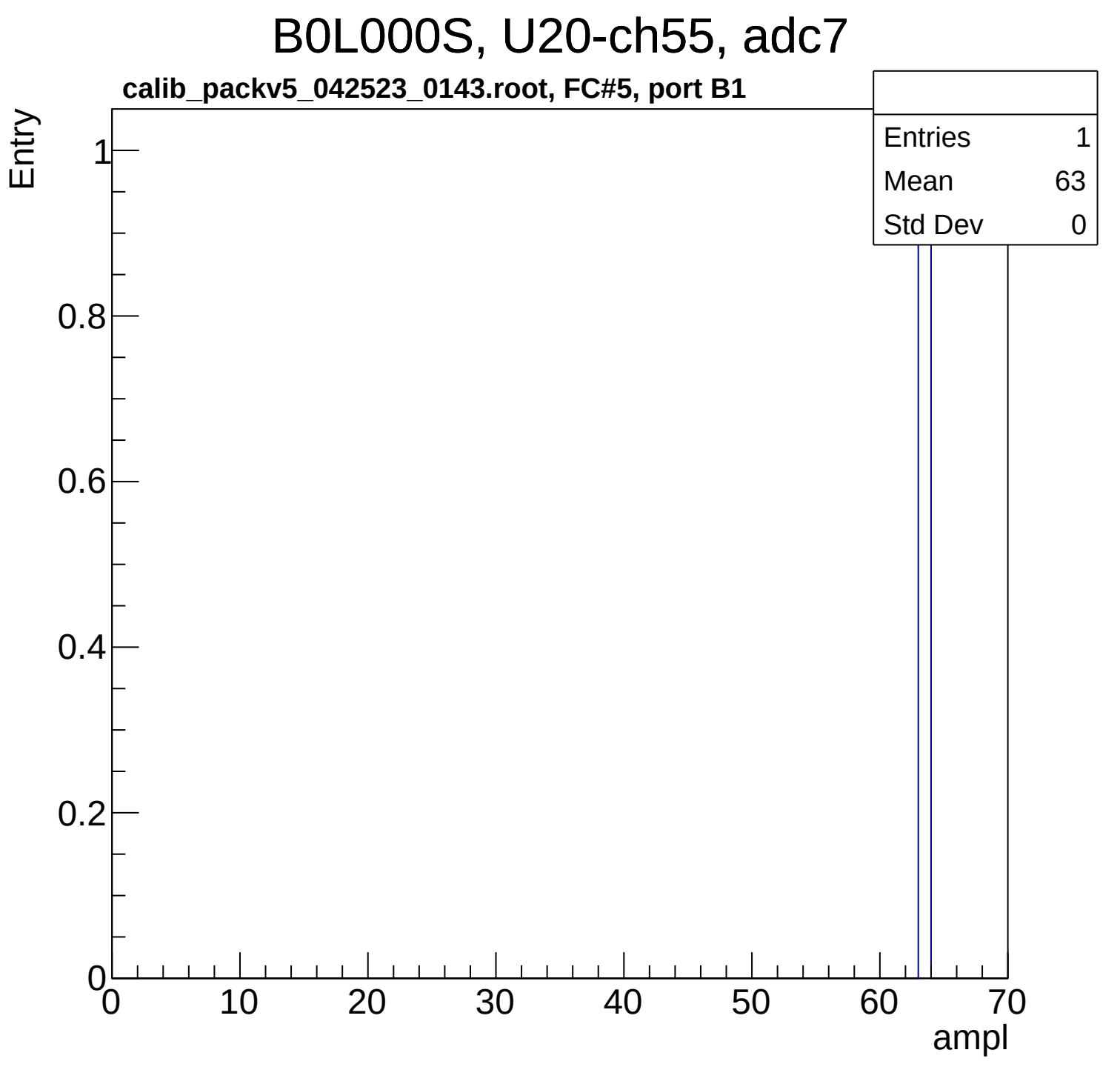
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch55, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
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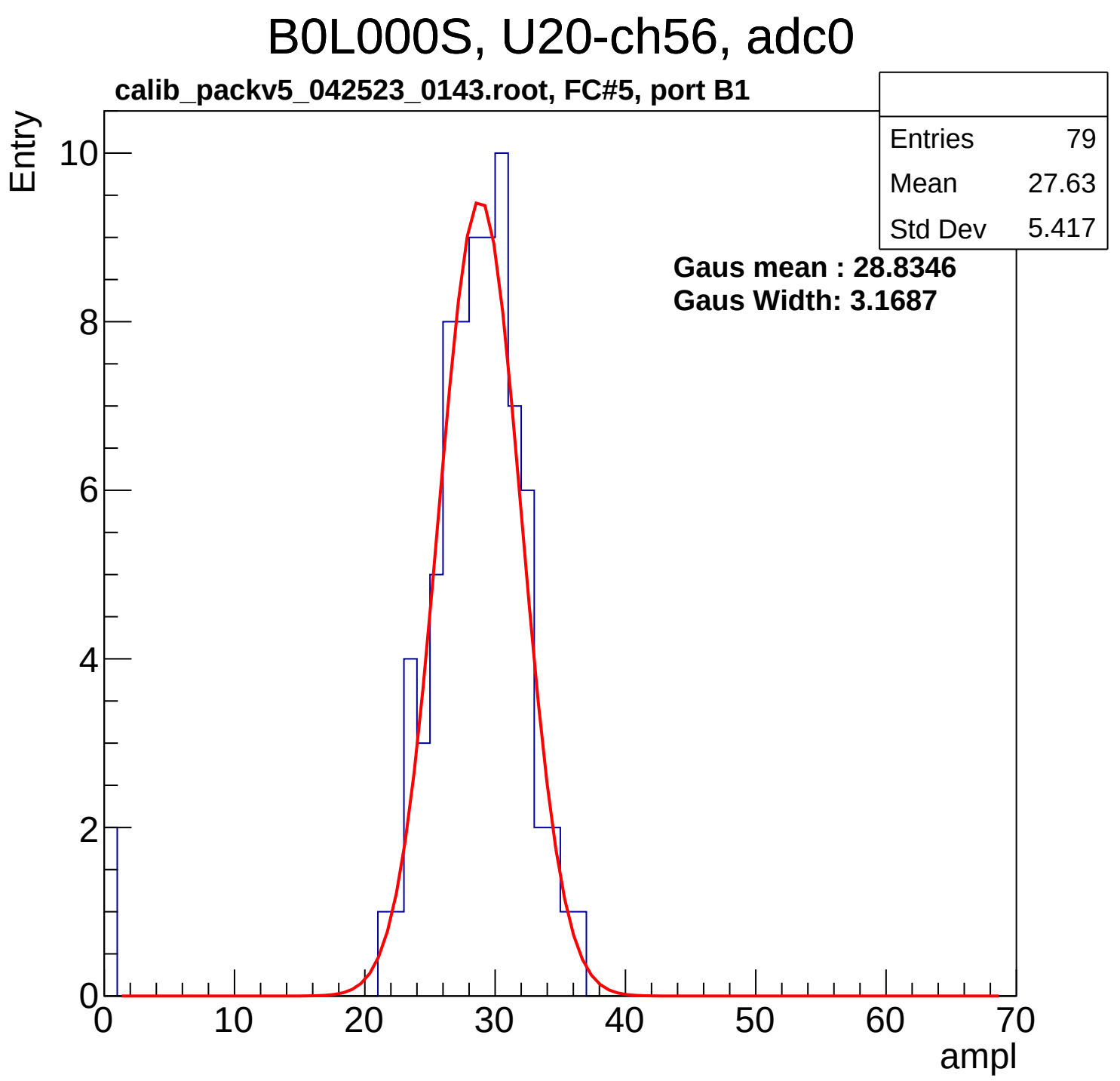
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch56, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 27.63
Std Dev 5.417
Gaus mean : 28.8346
Gaus Width: 3.1687
Entry
ampl
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2
4
6
8
10
0
10
20
30
40
50
60
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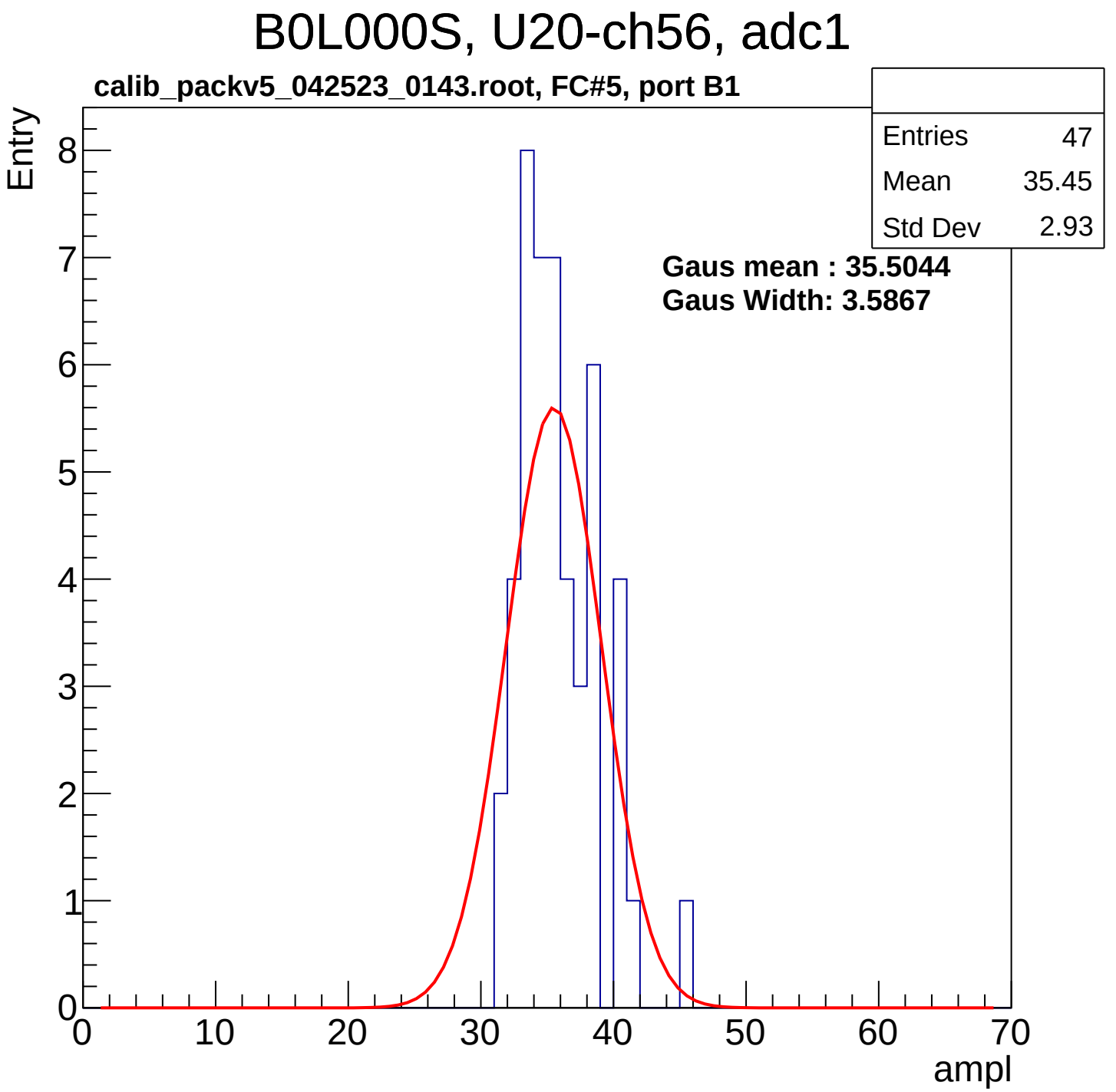
B0L000S, U20-ch56, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 35.45
Std Dev 2.93
Gaus mean : 35.5044
Gaus Width: 3.5867
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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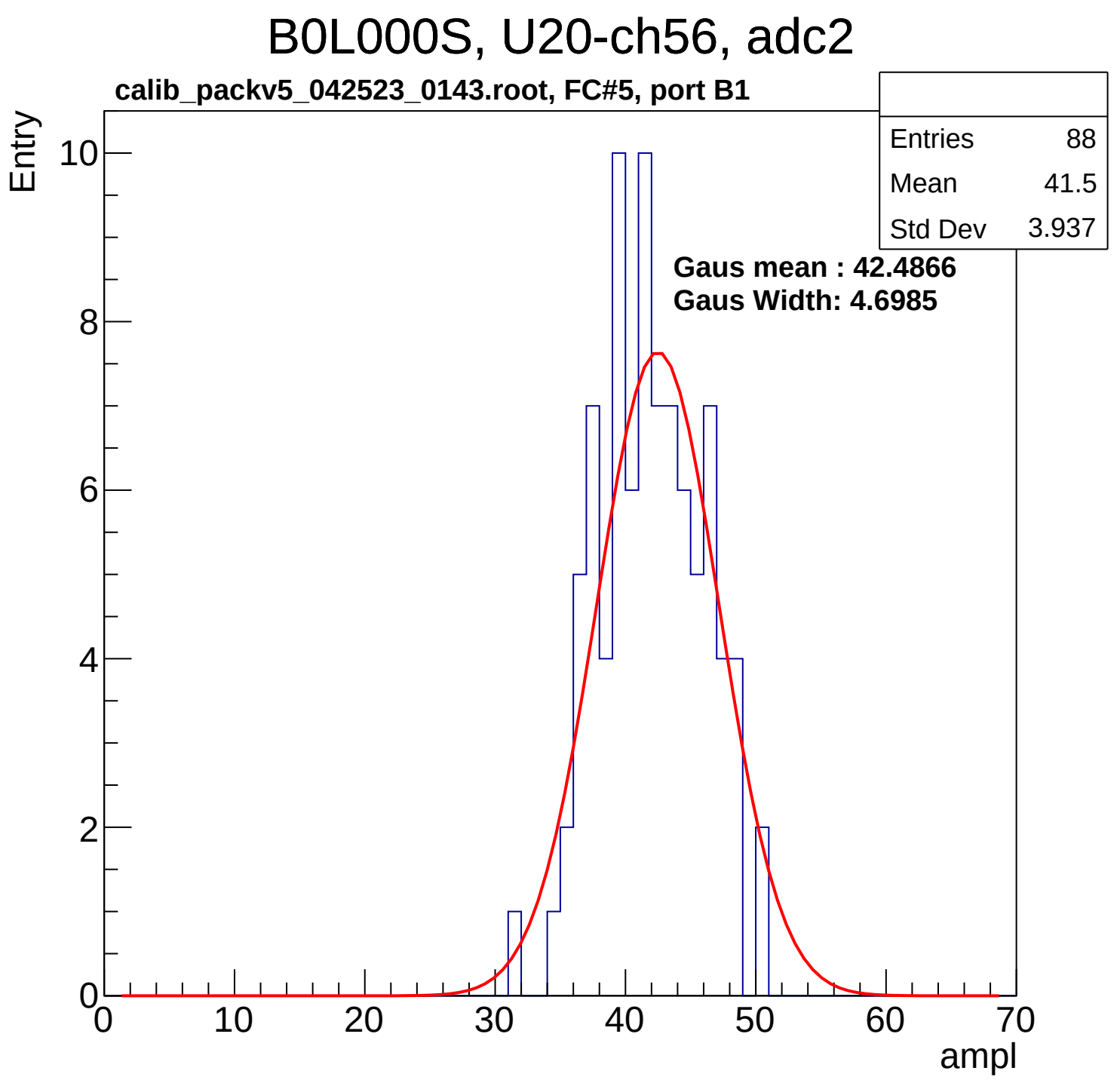
B0L000S, U20-ch56, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 88
Mean 41.5
Std Dev 3.937
Gaus mean : 42.4866
Gaus Width: 4.6985
Entry
ampl
0
2
4
6
8
10
0
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20
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40
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60
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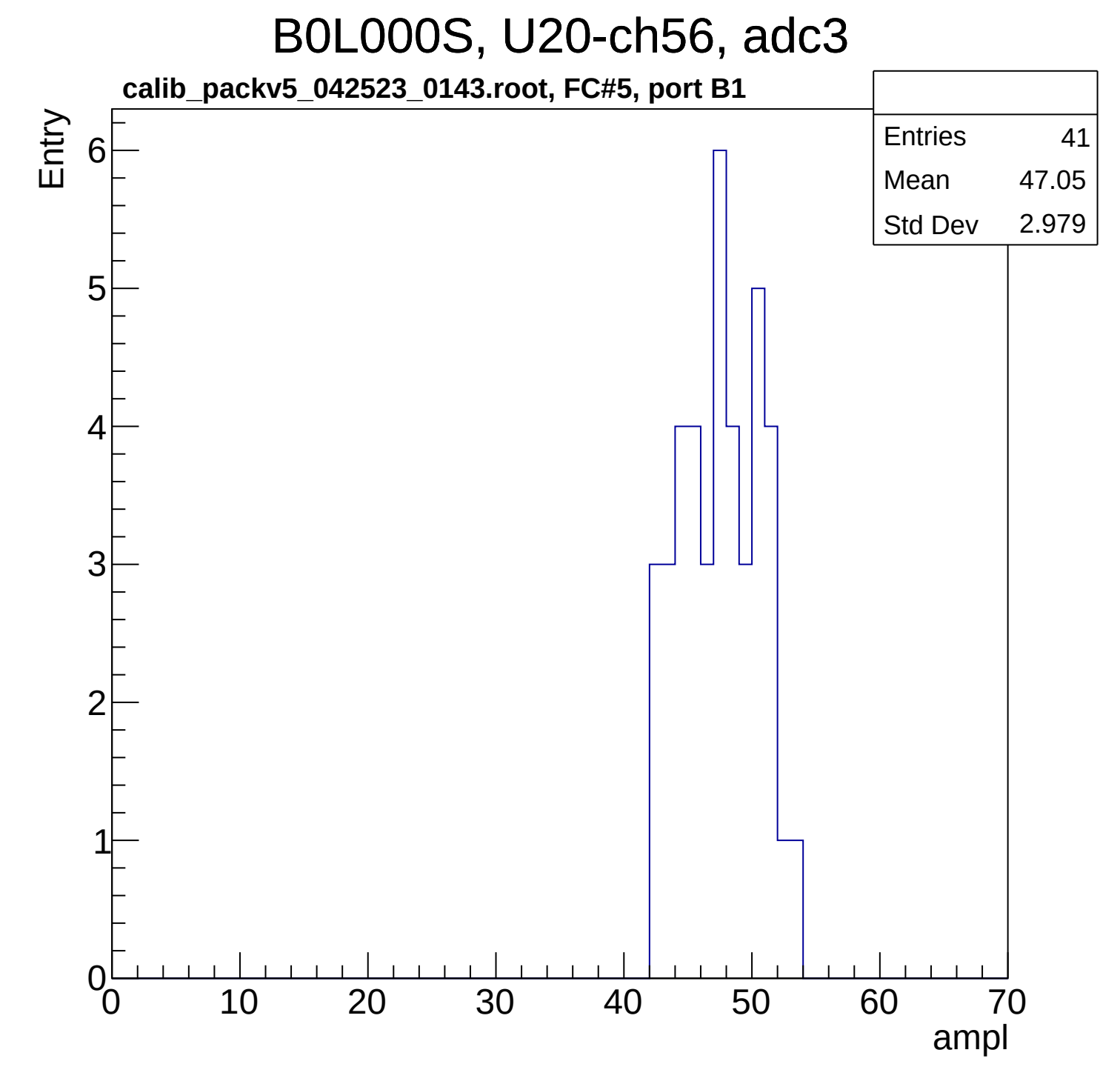
B0L000S, U20-ch56, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 47.05
Std Dev 2.979
Entry
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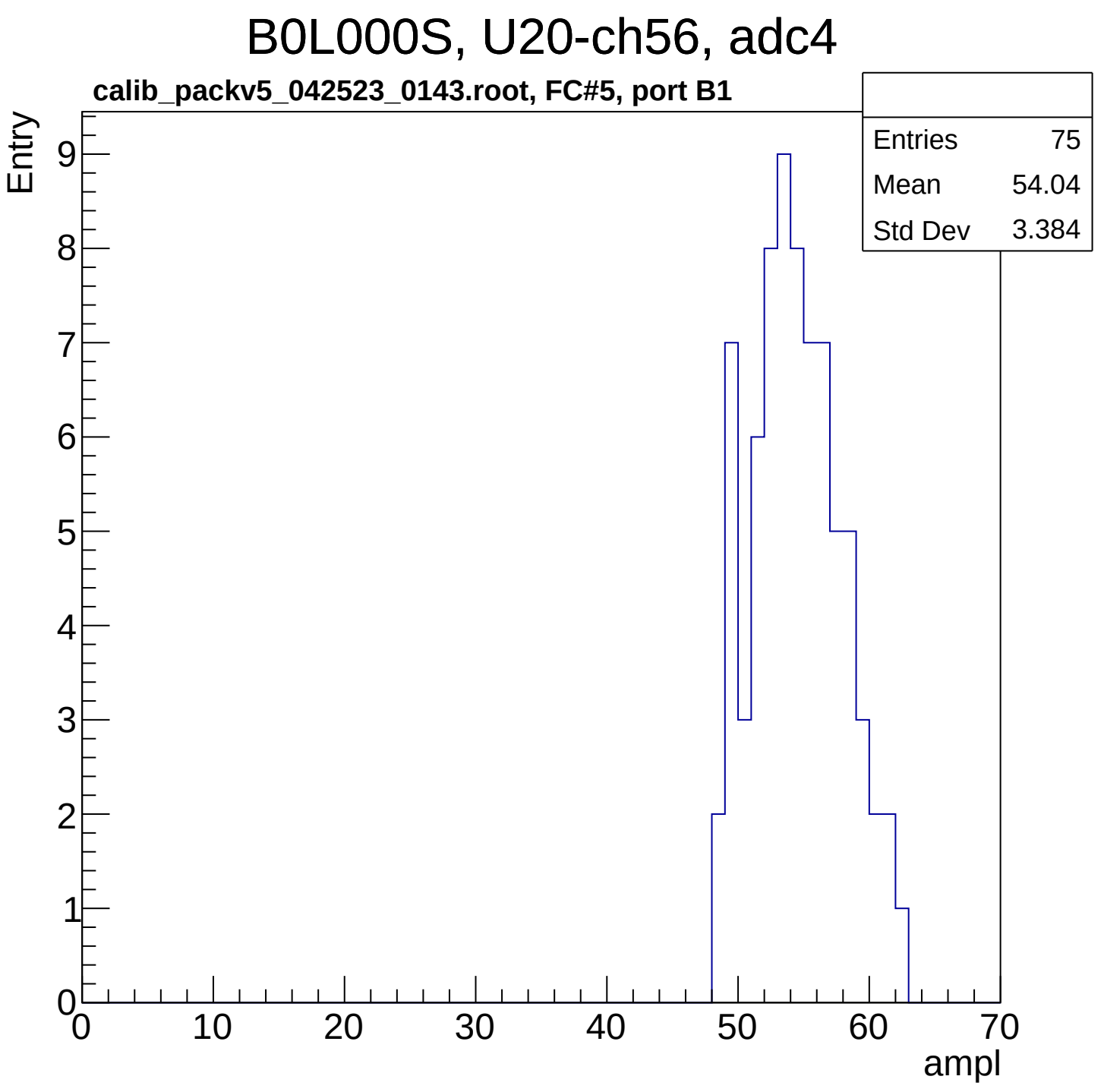
50
60
70
ampl


B0L000S, U20-ch56, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 54.04
Std Dev 3.384
Entry
ampl
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3
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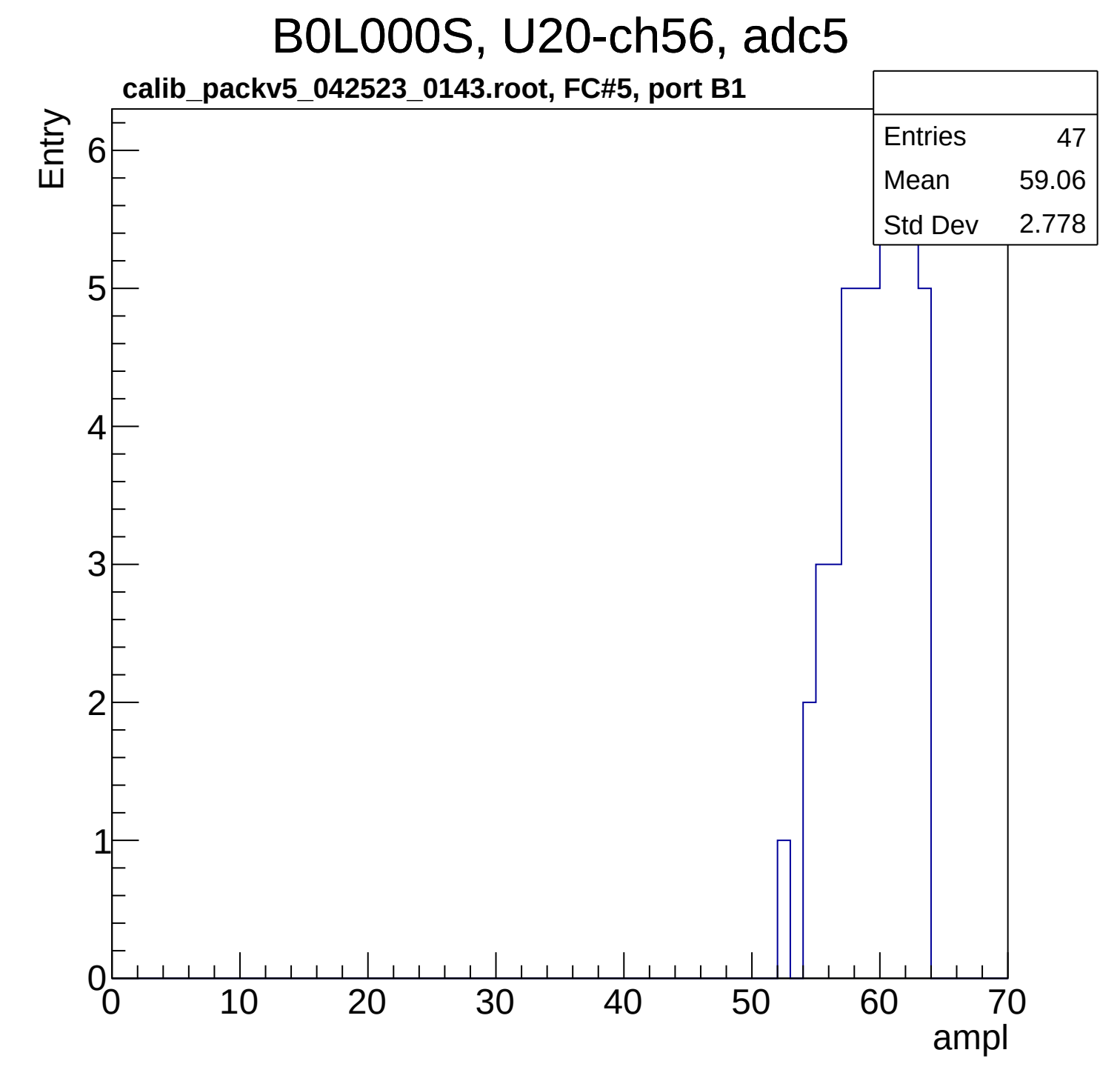
B0L000S, U20-ch56, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 59.06
Std Dev 2.778
Entry
ampl
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3
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0
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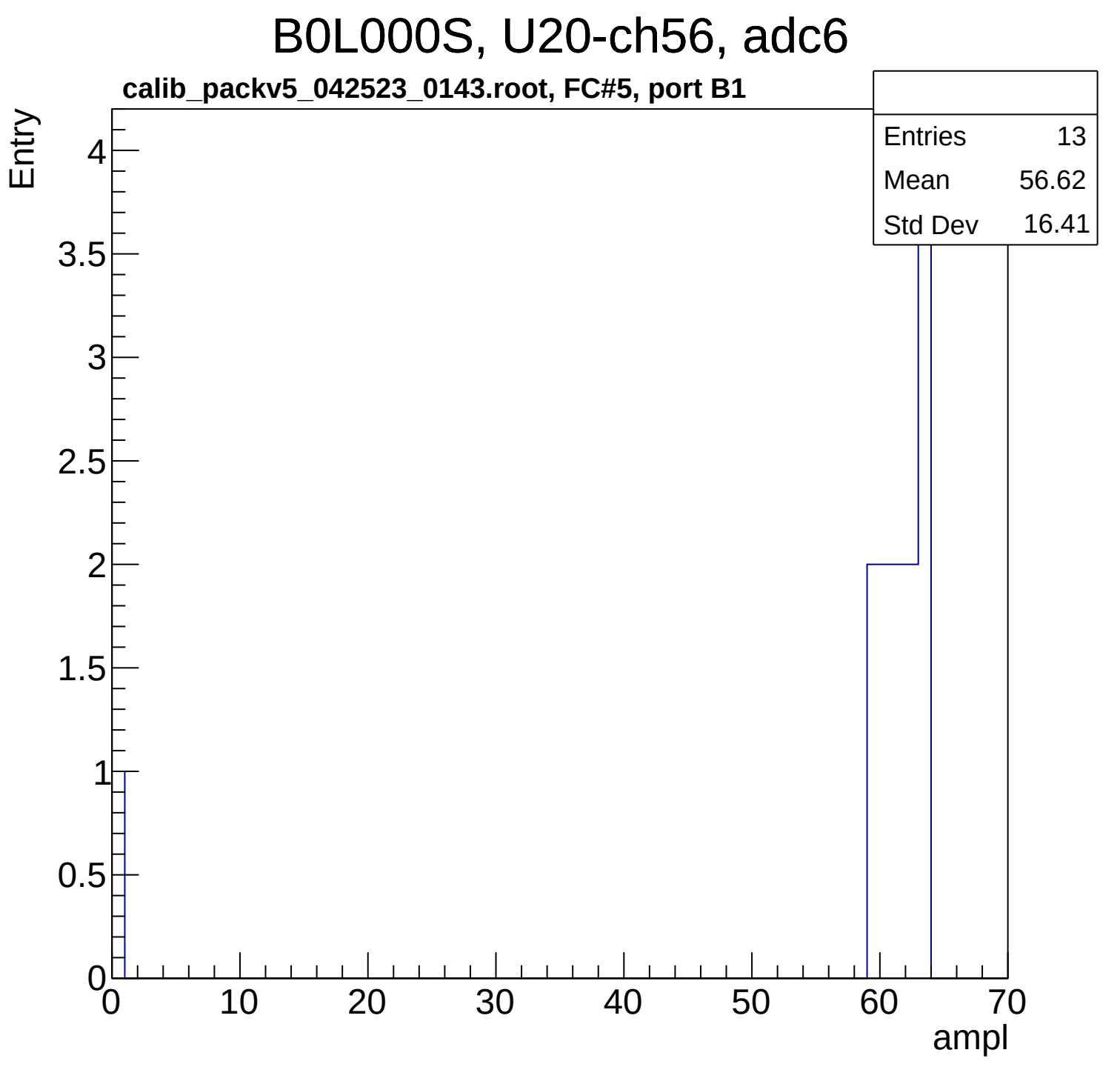
B0L000S, U20-ch56, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 56.62
Std Dev 16.41
Entry
ampl
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1.5
2
2.5
3
3.5
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0
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60
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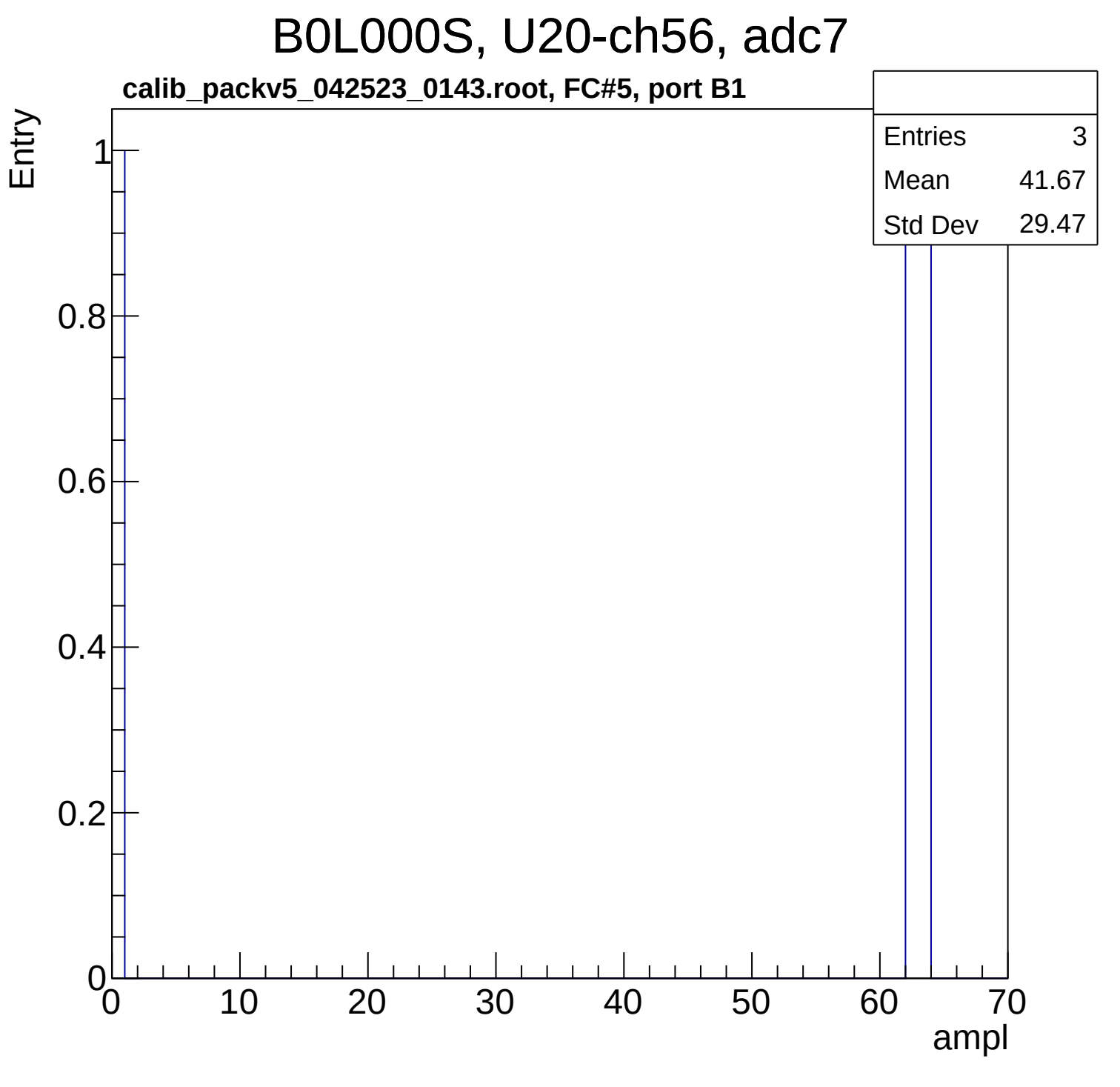
B0L000S, U20-ch56, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 41.67
Std Dev 29.47
Entry
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10
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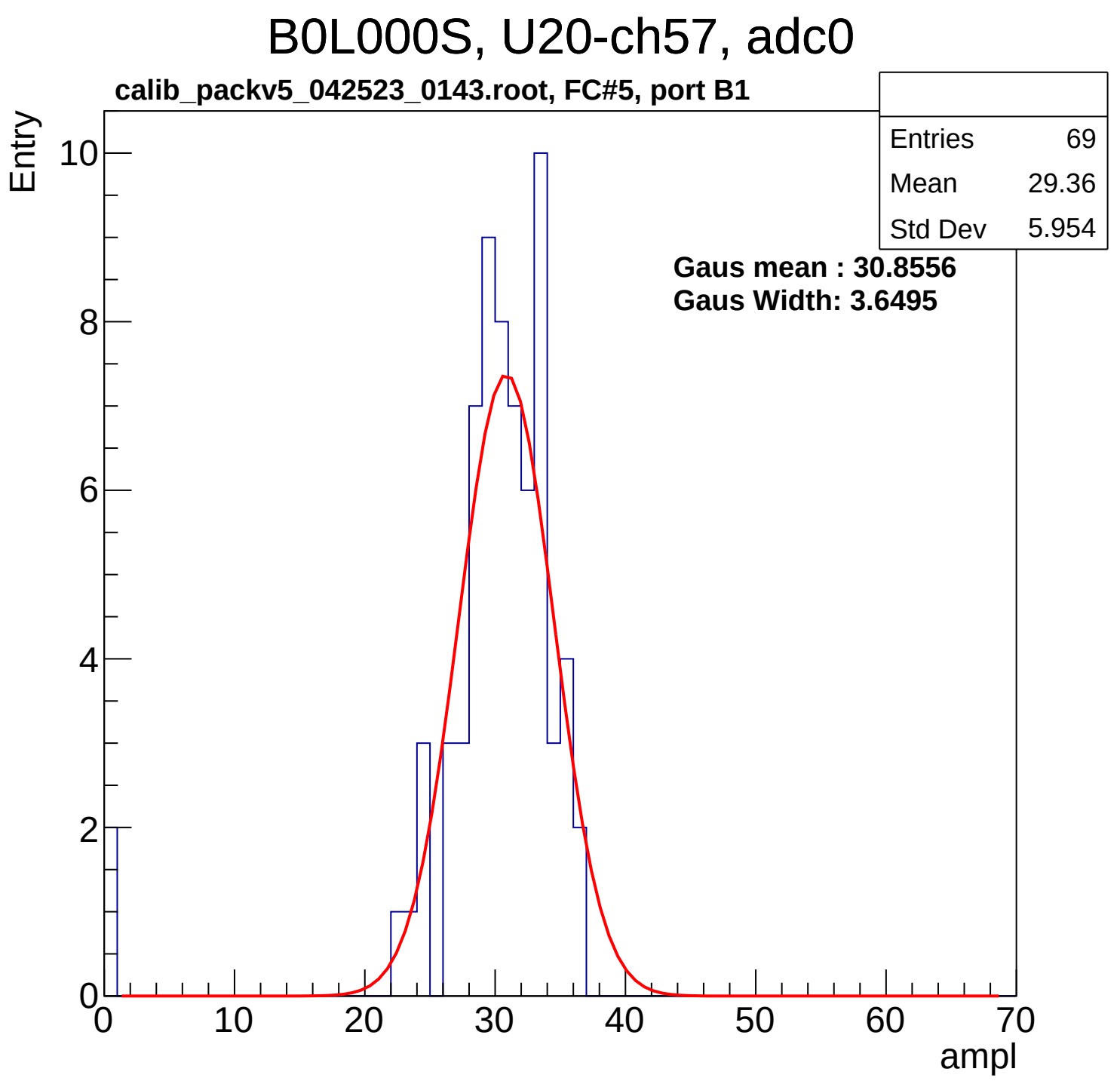
50
60
70
ampl


B0L000S, U20-ch57, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 29.36
Std Dev 5.954
Gaus mean : 30.8556
Gaus Width: 3.6495
Entry
ampl
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2
4
6
8
10
0
10
20
30
40
50
60
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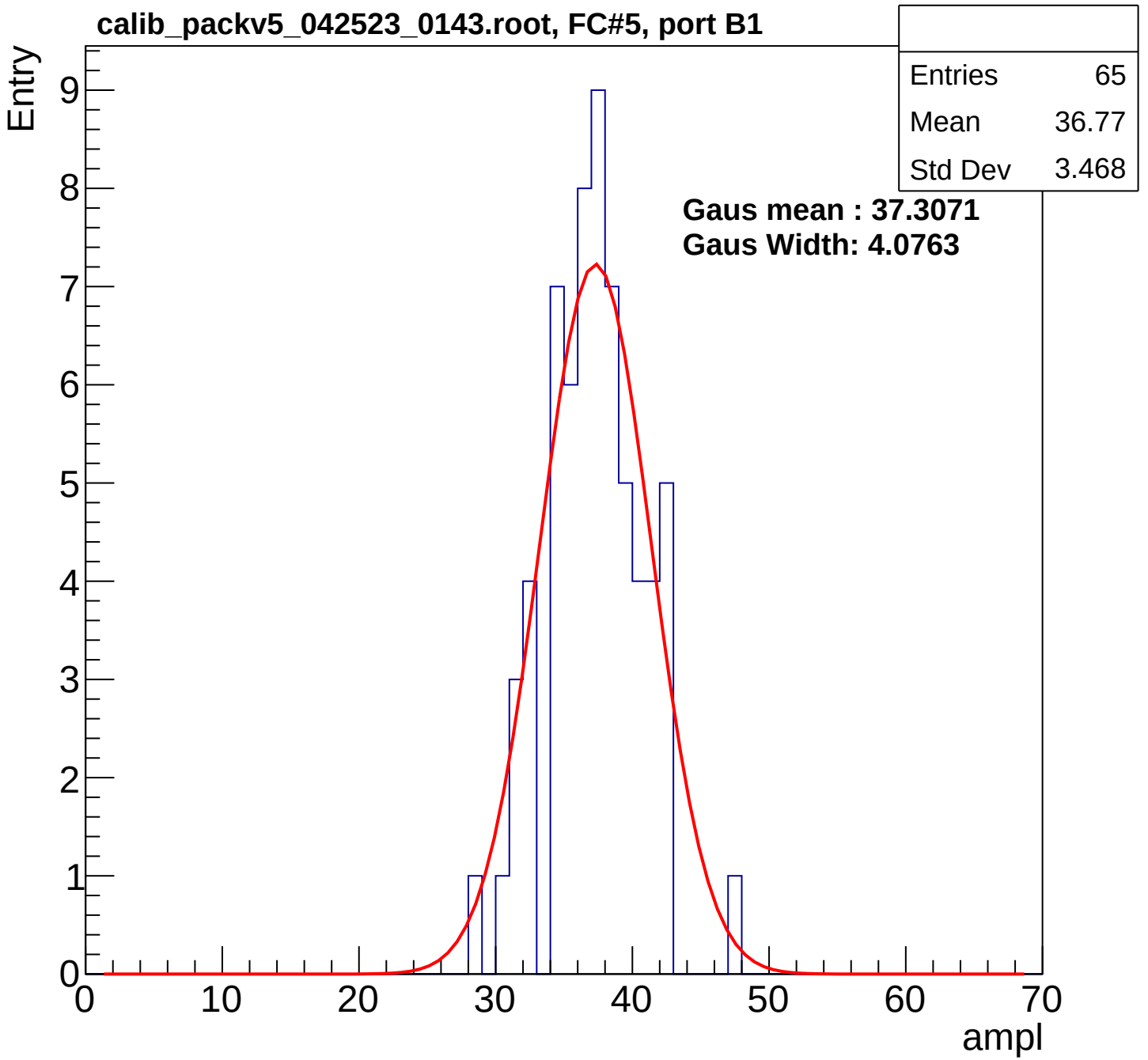
B0L000S, U20-ch57, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 36.77
Std Dev 3.468
Gaus mean : 37.3071
Gaus Width: 4.0763
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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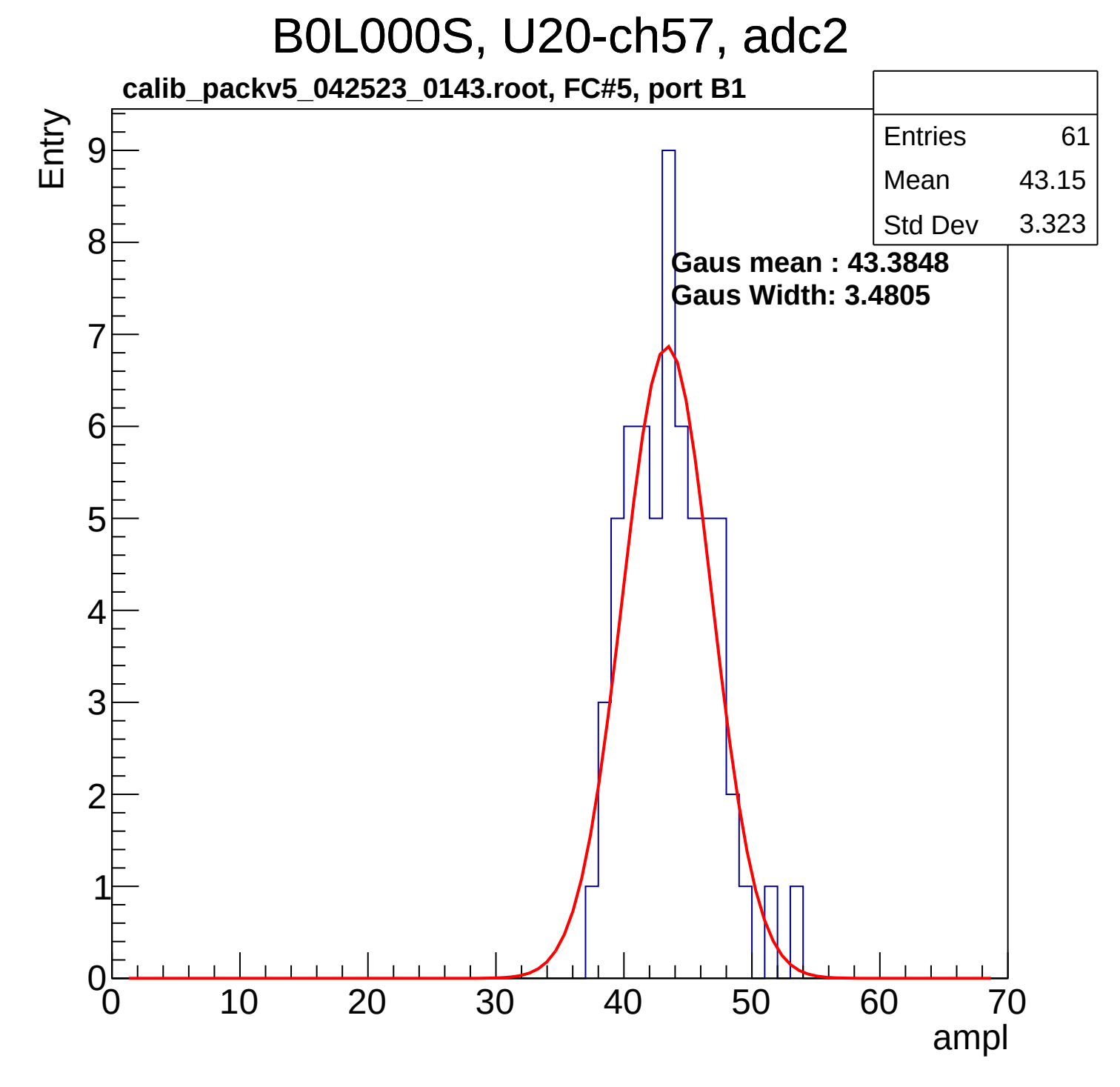
B0L000S, U20-ch57, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 43.15
Std Dev 3.323
Gaus mean : 43.3848
Gaus Width: 3.4805
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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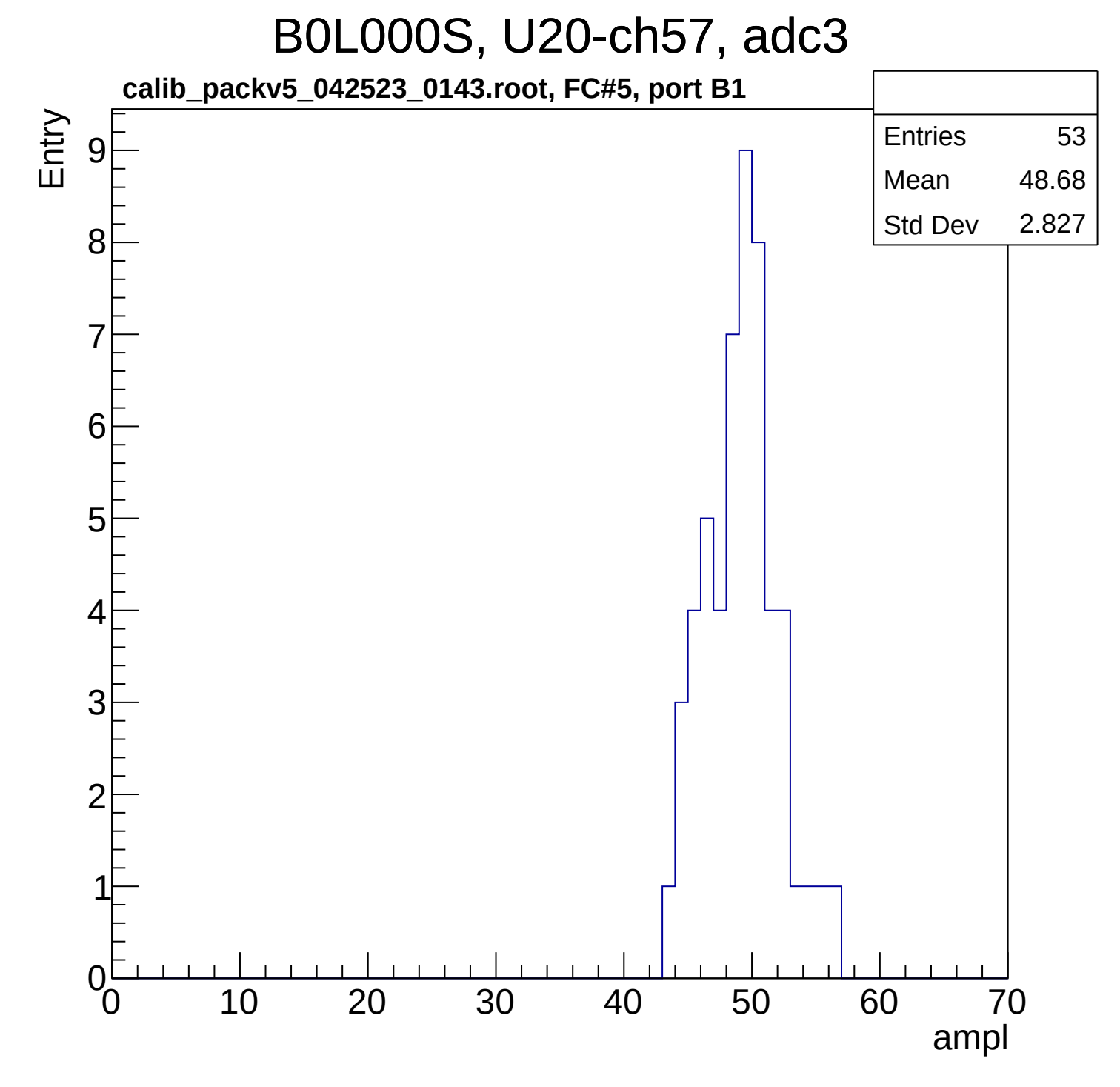
B0L000S, U20-ch57, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 48.68
Std Dev 2.827
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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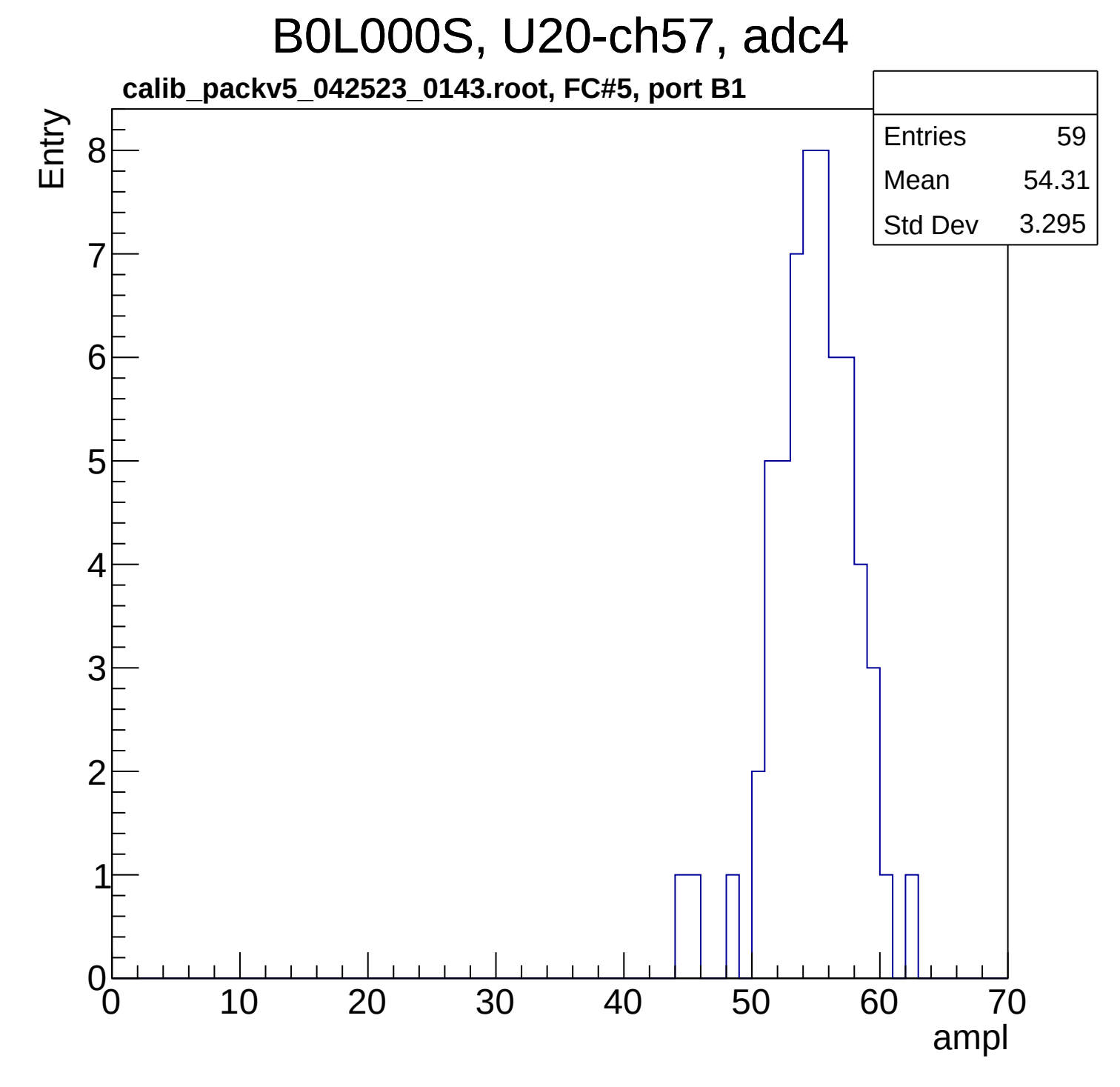
B0L000S, U20-ch57, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 54.31
Std Dev 3.295
Entry
ampl
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4
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7
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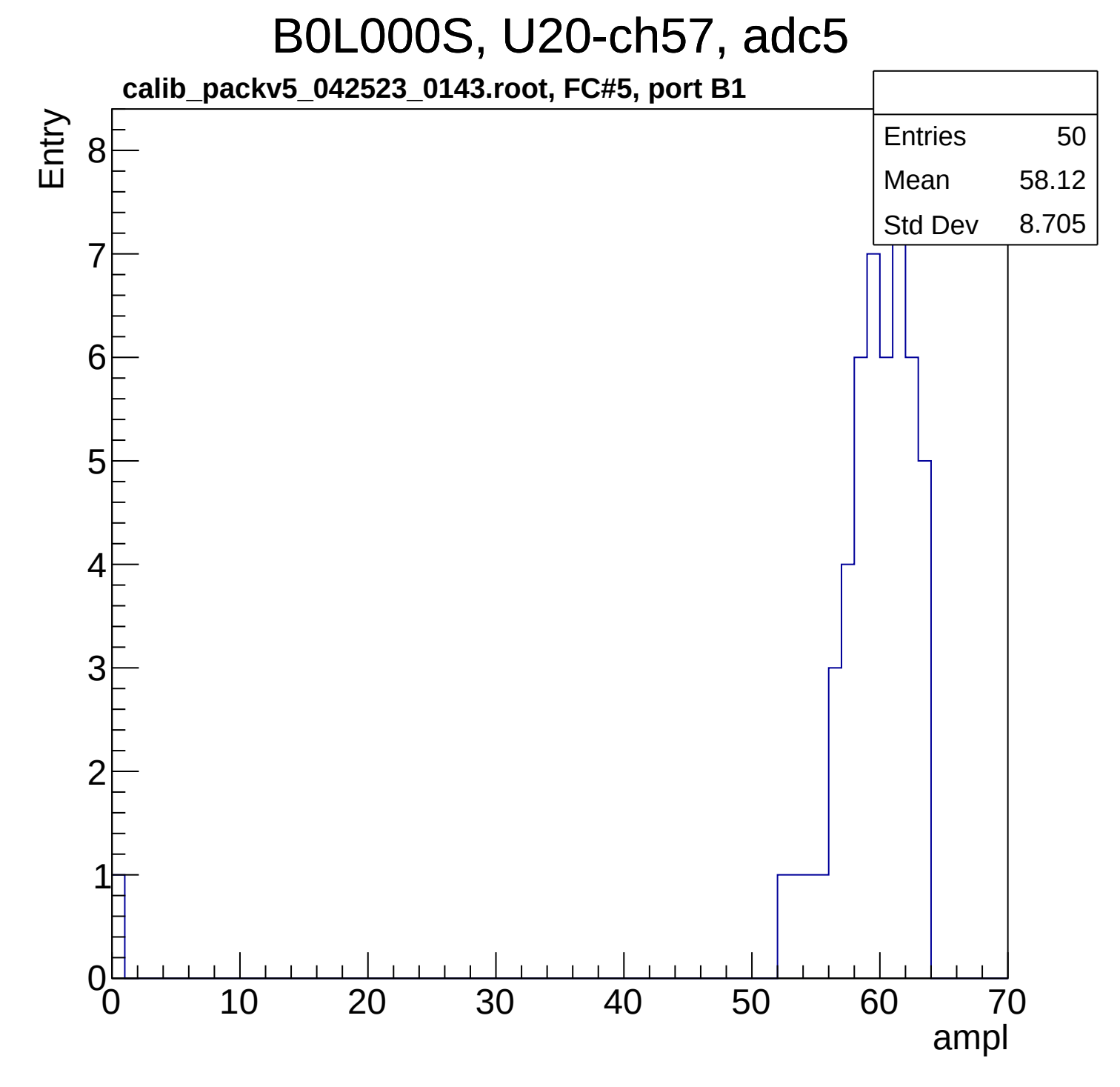
B0L000S, U20-ch57, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 58.12
Std Dev 8.705
Entry
ampl
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3
4
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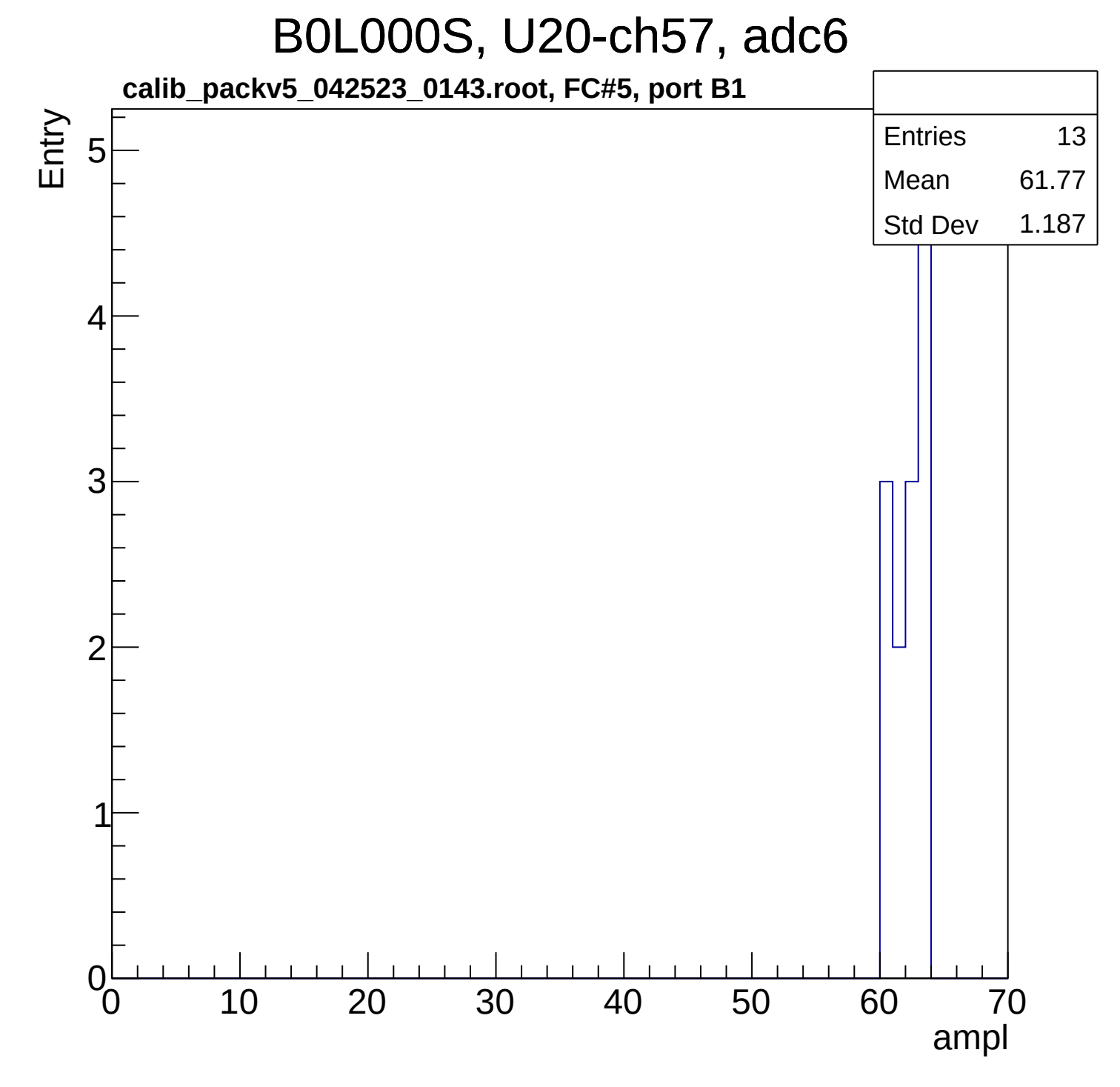
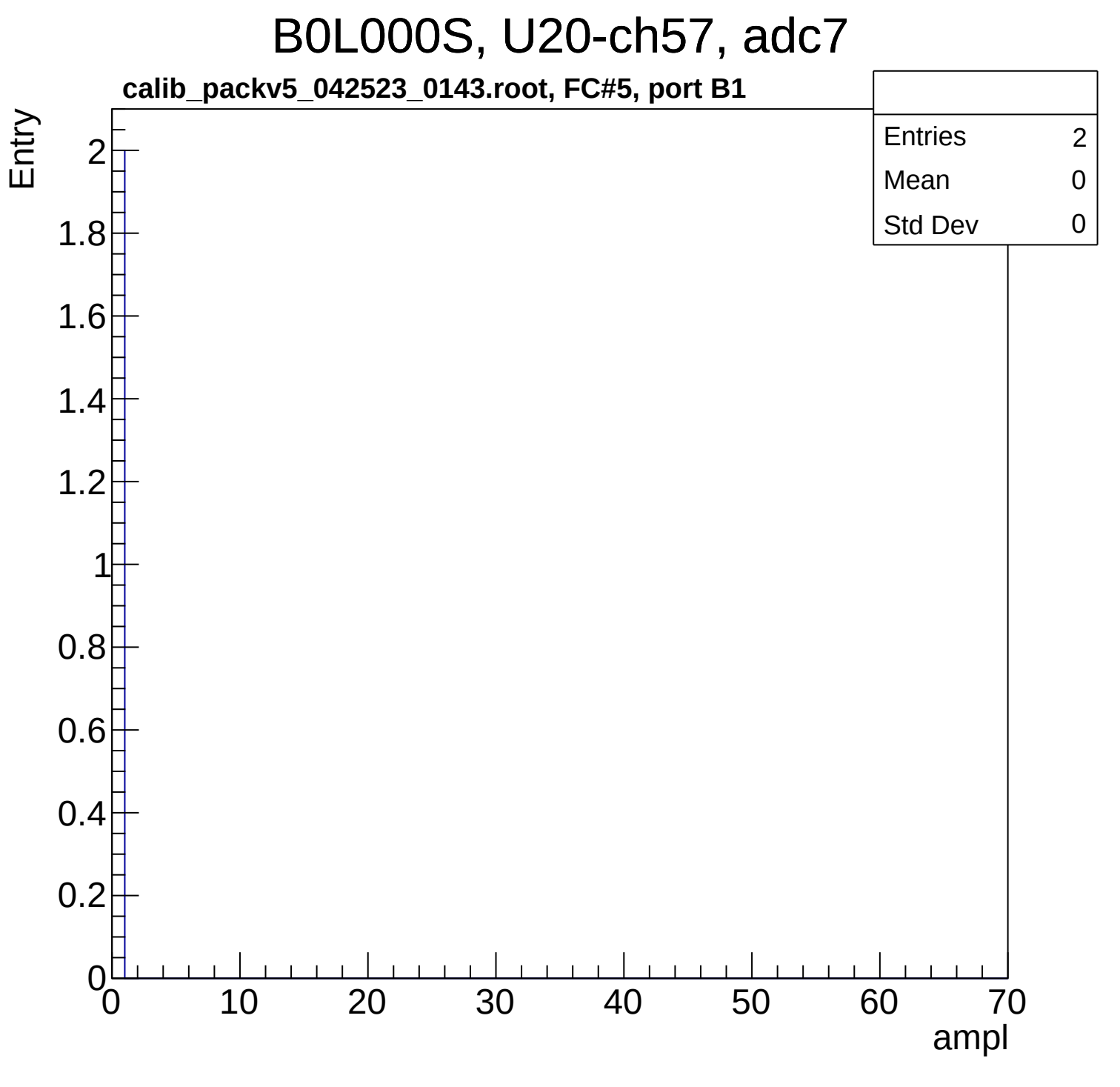

B0L000S, U20-ch57, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 61.77
Std Dev 1.187
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B0L000S, U20-ch57, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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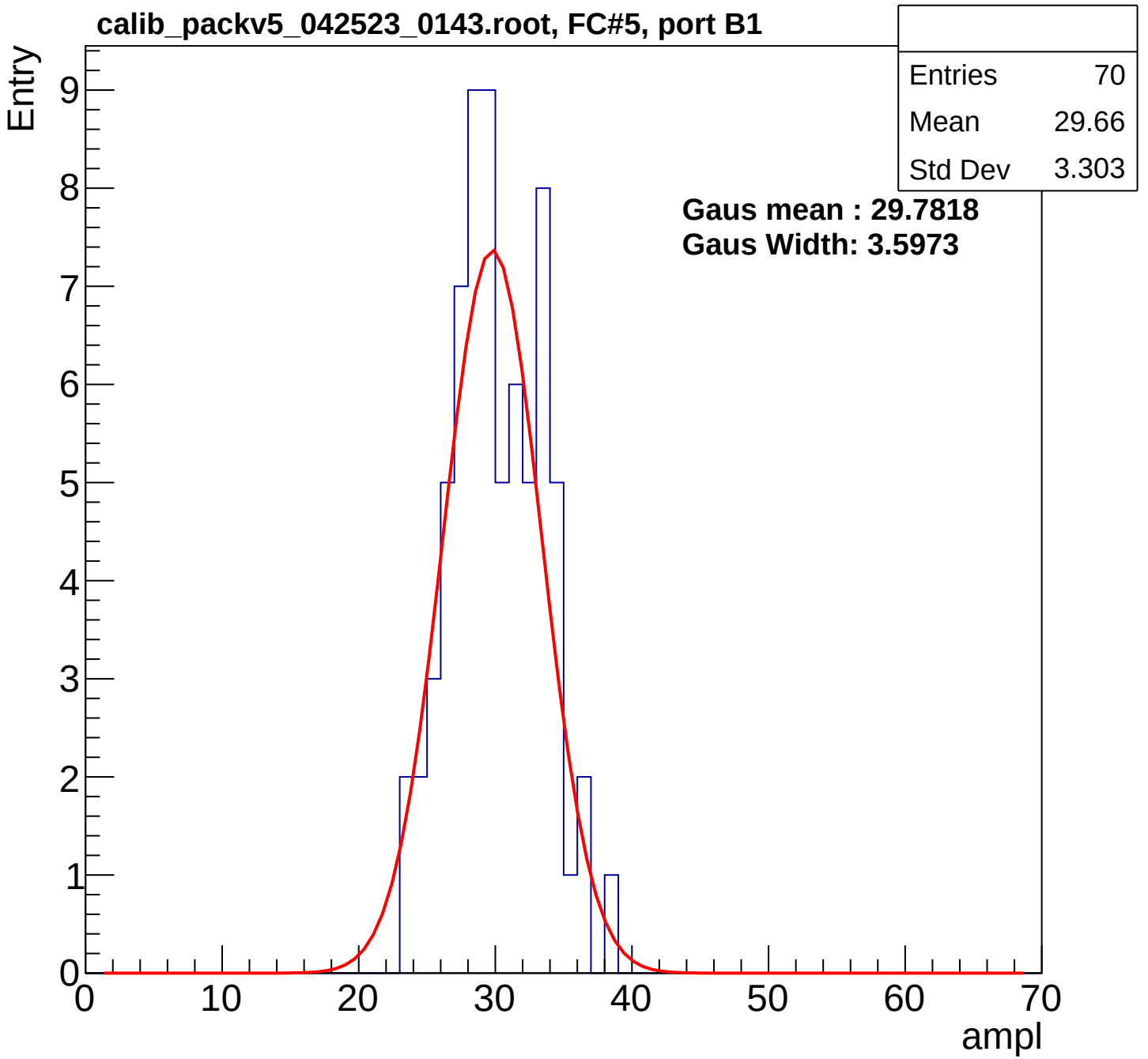
B0L000S, U20-ch58, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 29.66
Std Dev 3.303
Gaus mean : 29.7818
Gaus Width: 3.5973
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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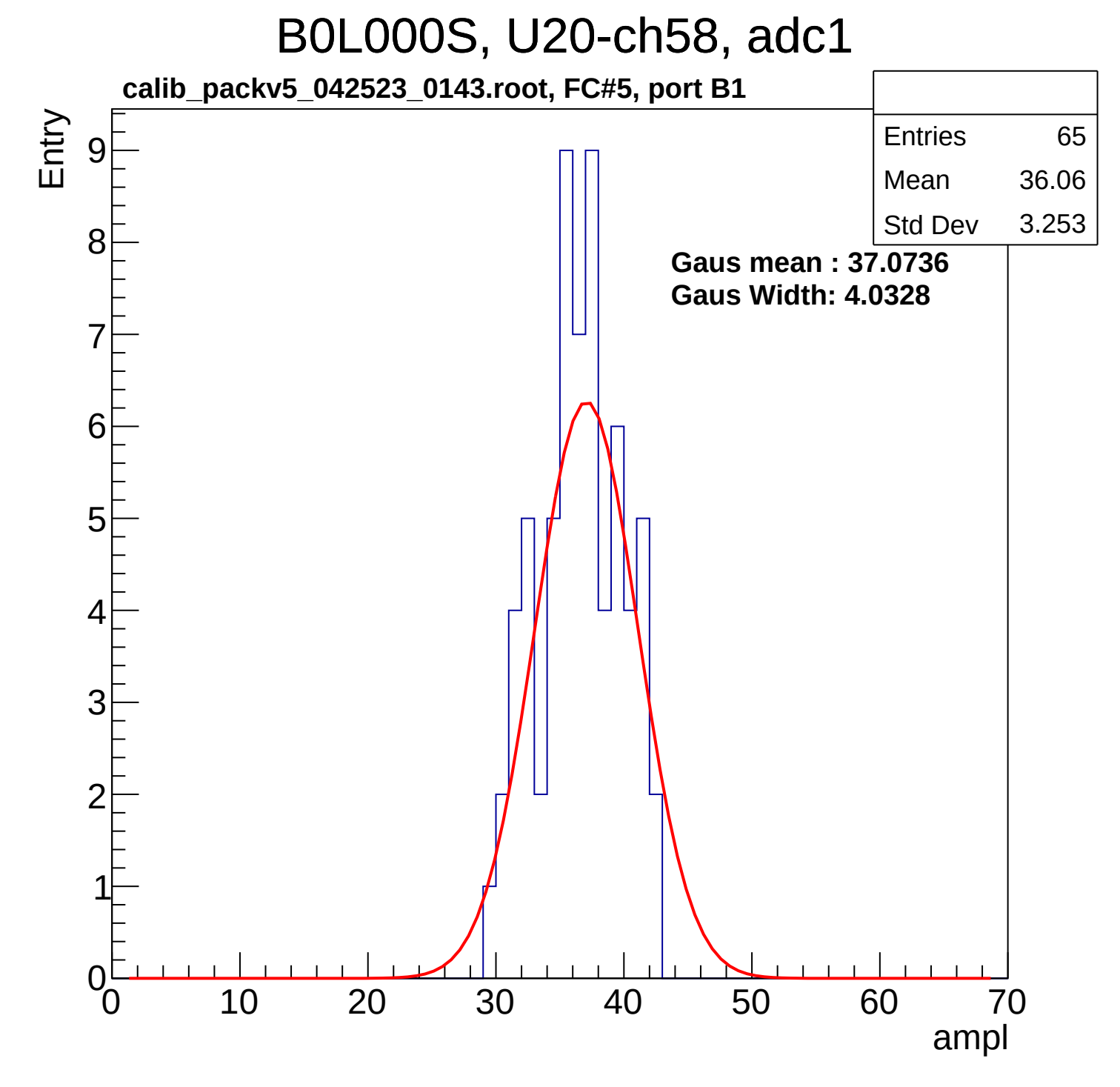
B0L000S, U20-ch58, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 36.06
Std Dev 3.253
Gaus mean : 37.0736
Gaus Width: 4.0328
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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40
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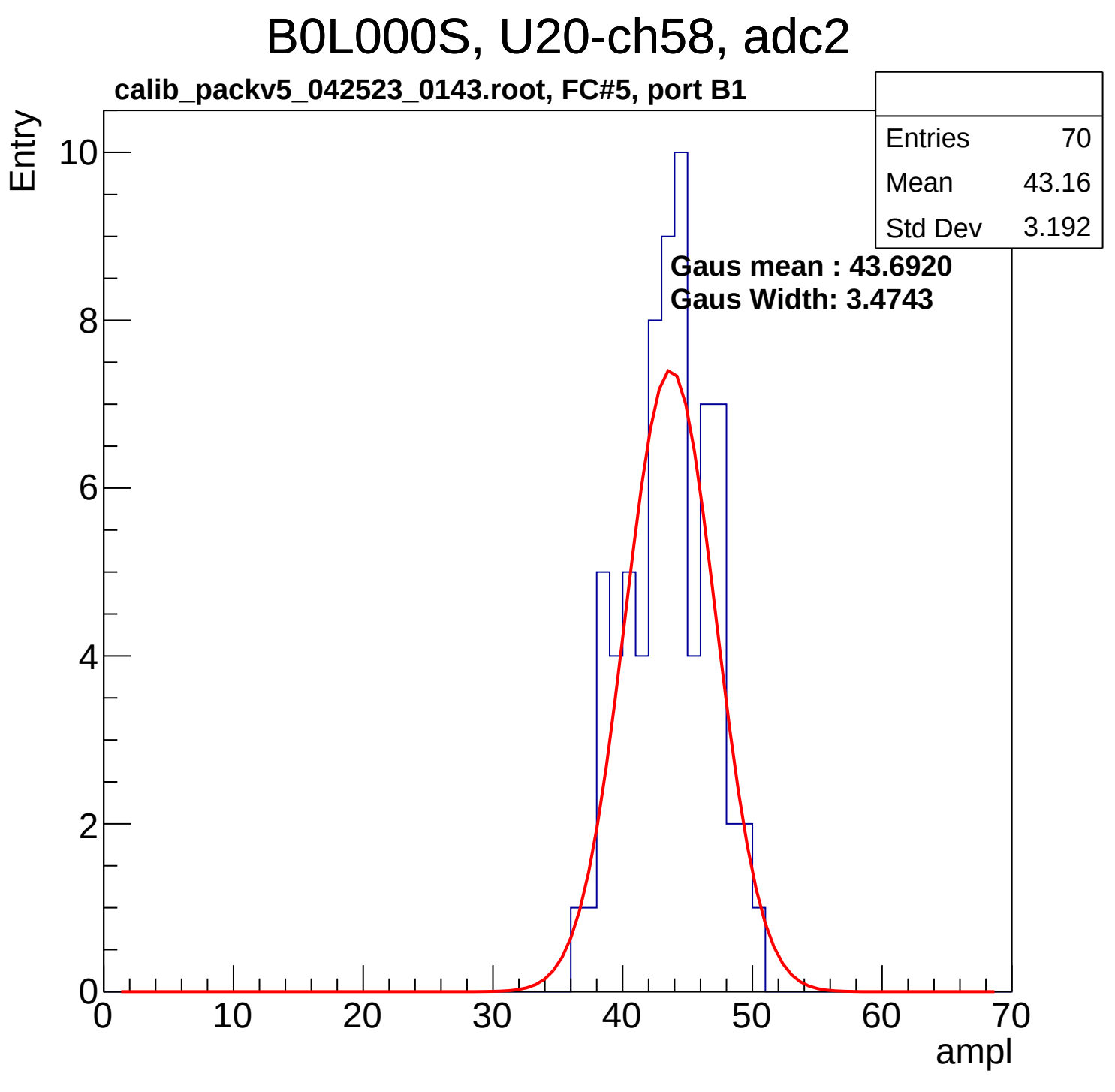
B0L000S, U20-ch58, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 43.16
Std Dev 3.192
Gaus mean : 43.6920
Gaus Width: 3.4743
Entry
ampl
0
2
4
6
8
10
0
10
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40
50
60
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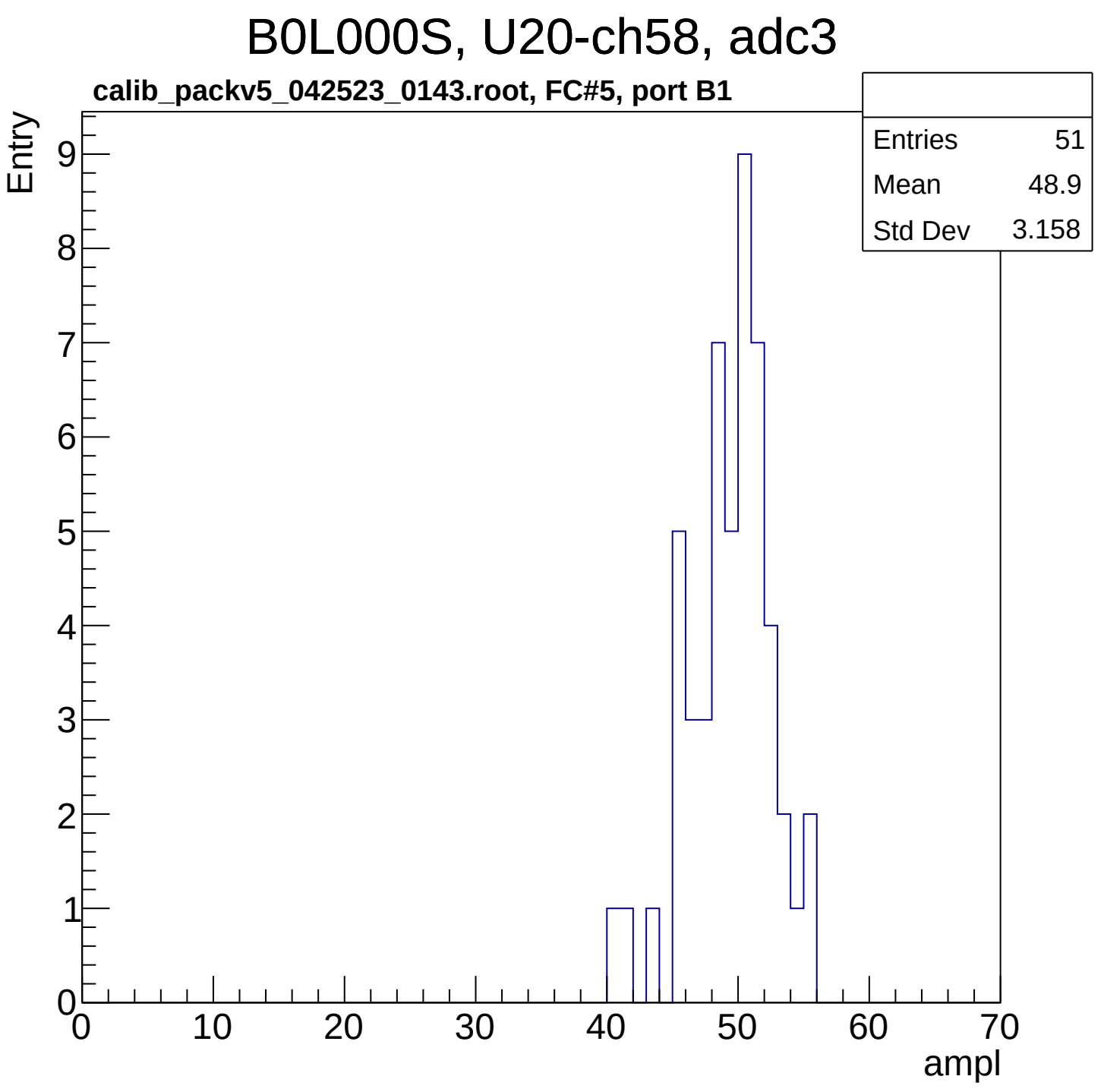
B0L000S, U20-ch58, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 48.9
Std Dev 3.158
Entry
ampl
0
1
2
3
4
5
6
7
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0
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60
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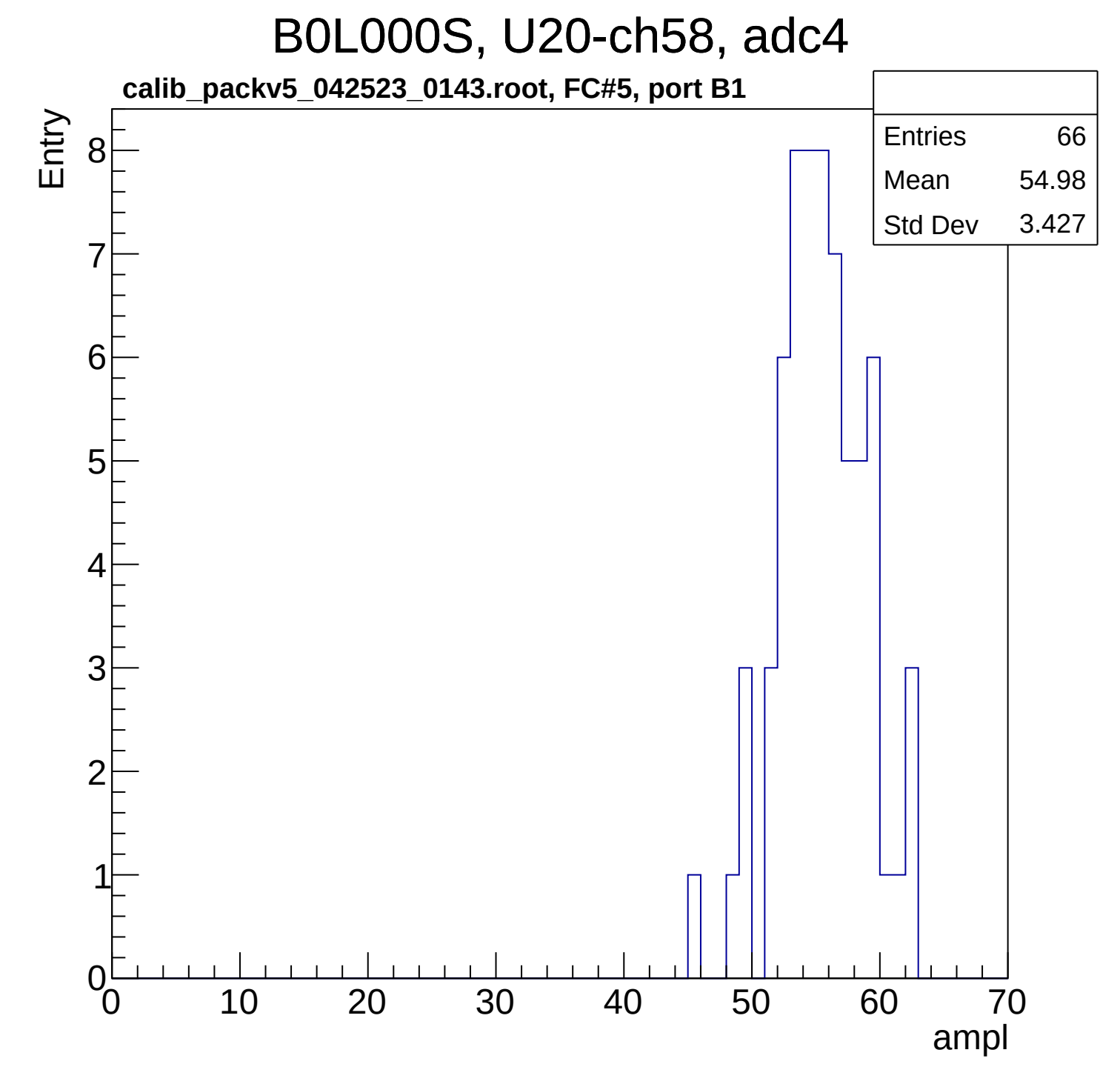
B0L000S, U20-ch58, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 54.98
Std Dev 3.427
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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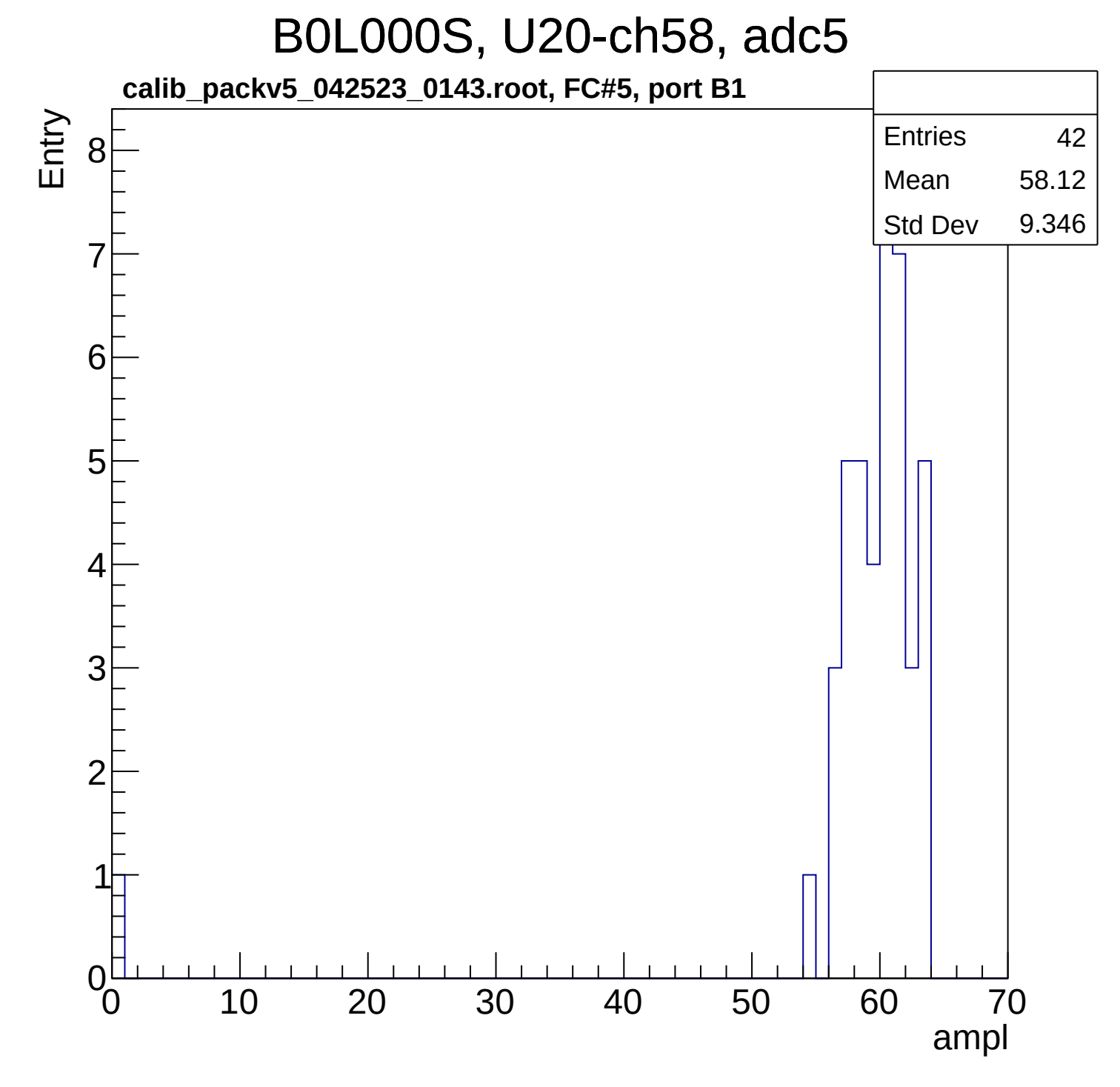
B0L000S, U20-ch58, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 58.12
Std Dev 9.346
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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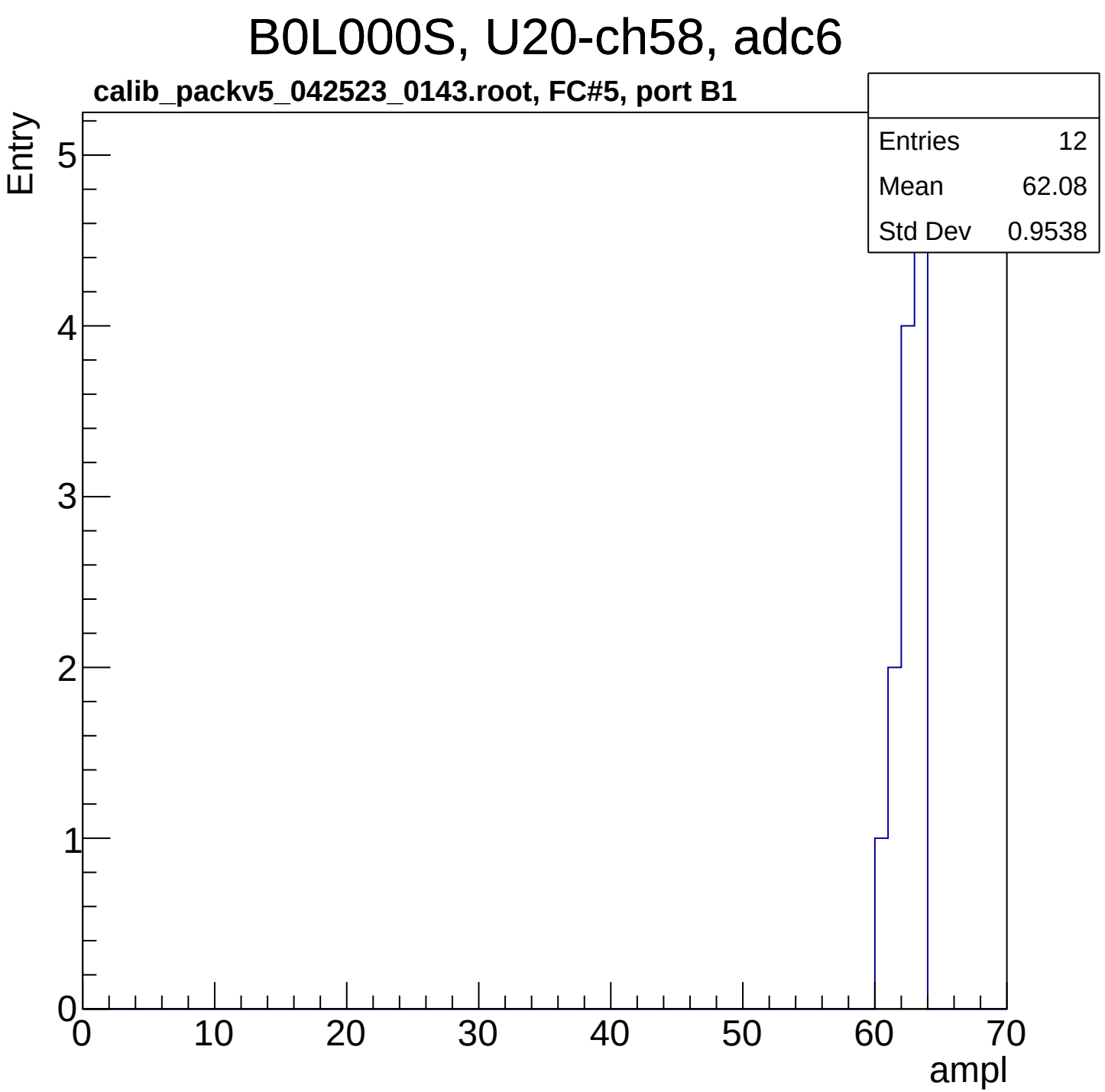
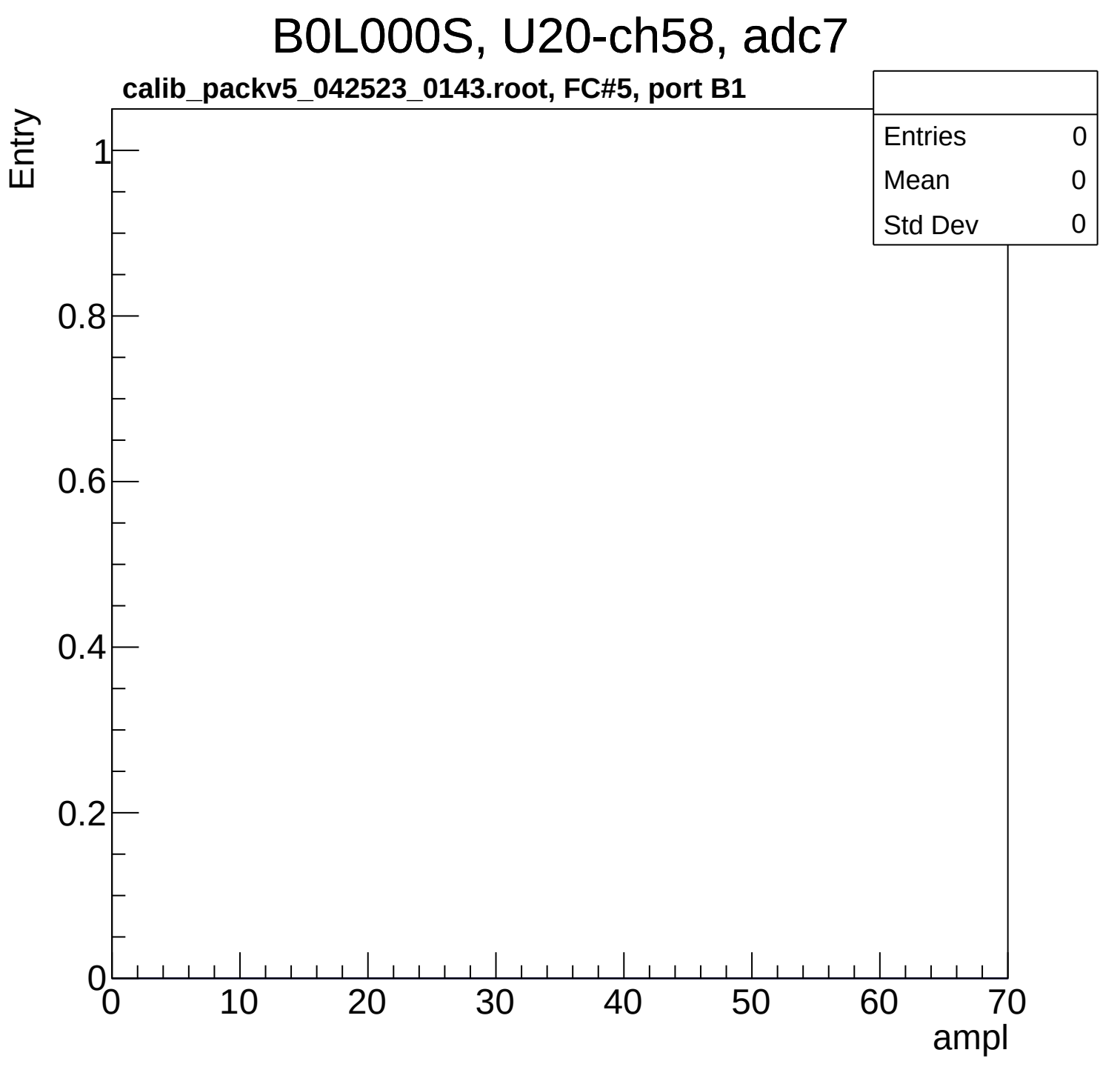
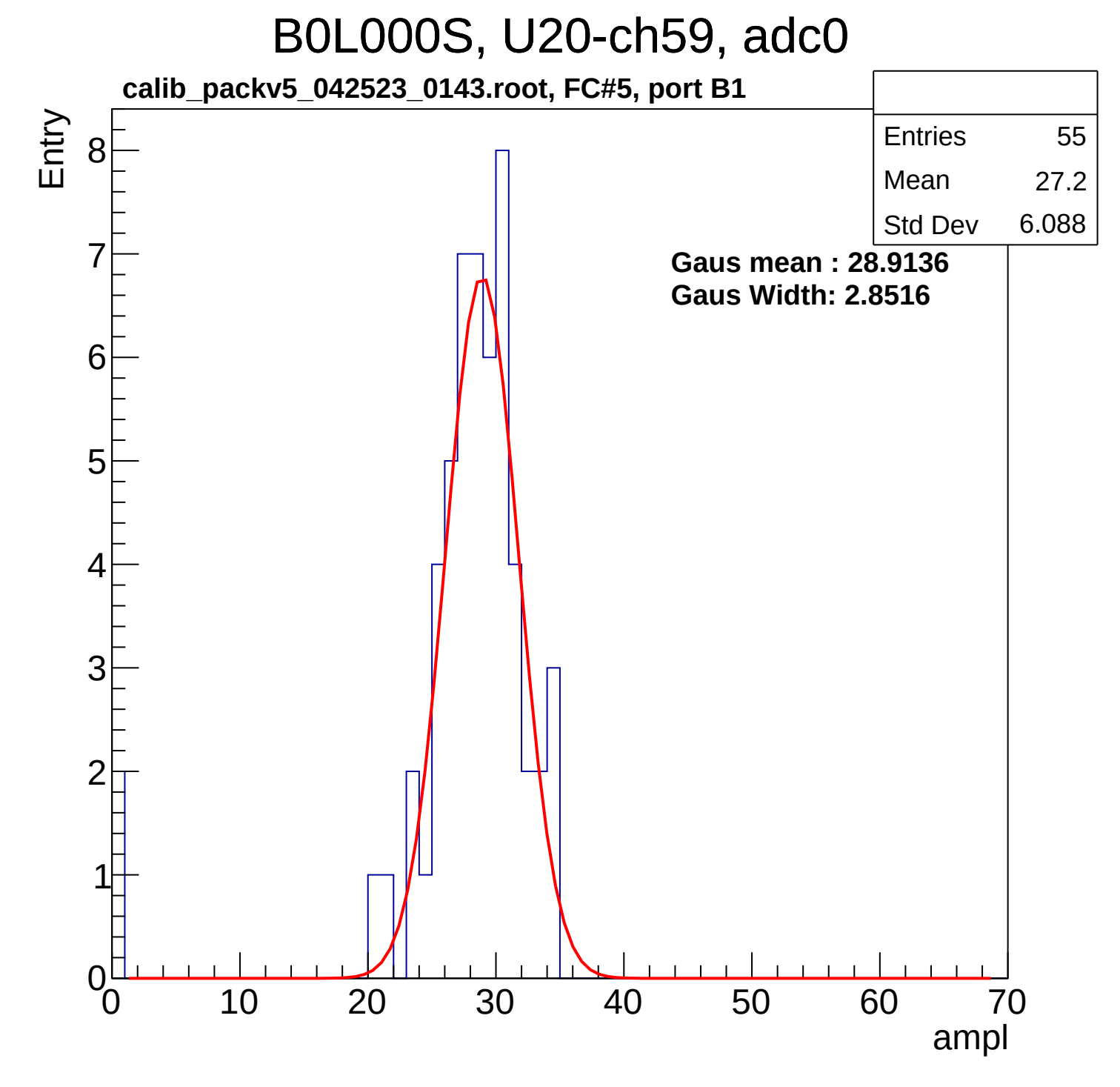
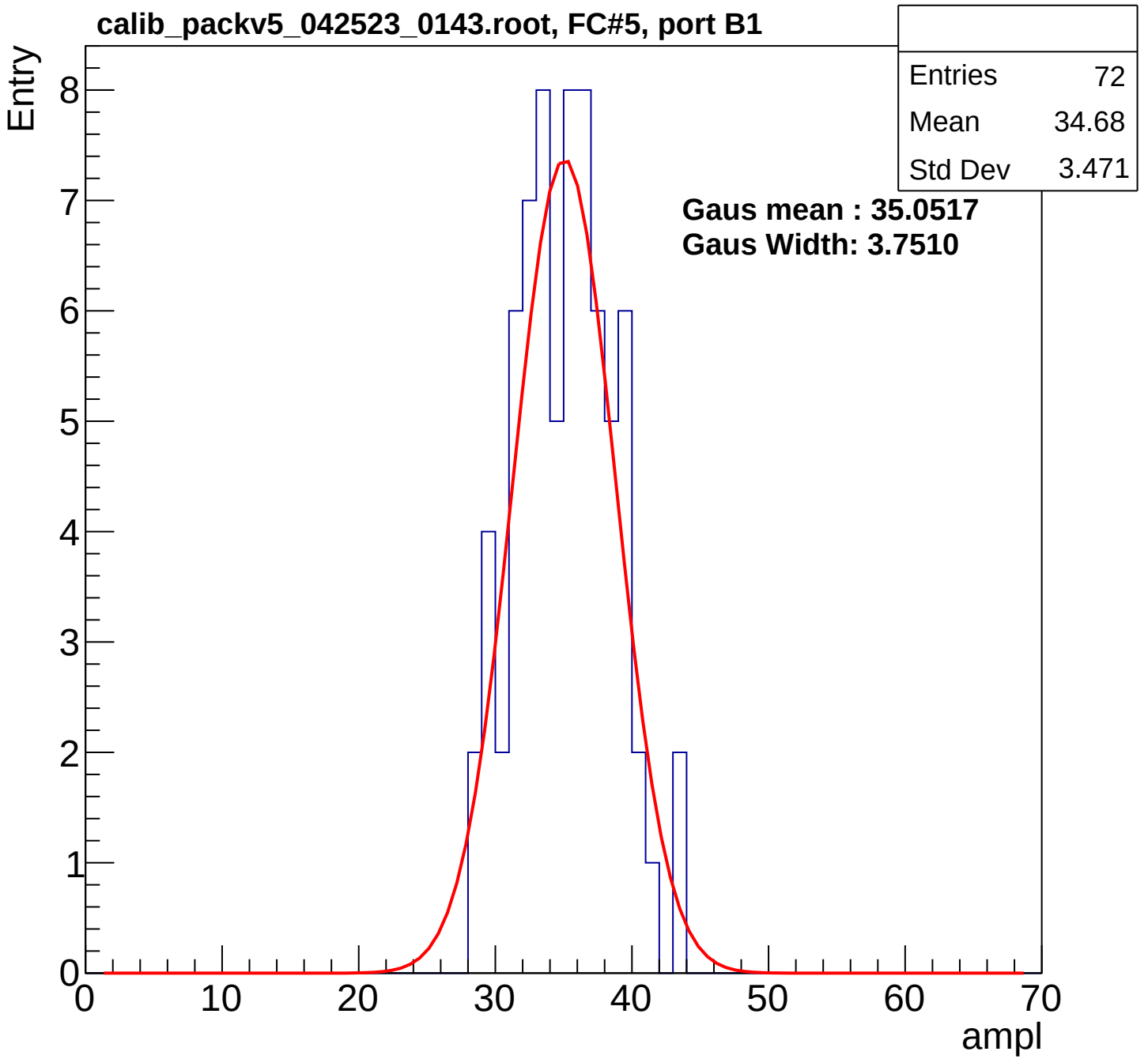

B0L000S, U20-ch58, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 62.08
Std Dev 0.9538
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch58, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch59, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 27.2
Std Dev 6.088
Gaus mean : 28.9136
Gaus Width: 2.8516
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch59, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 34.68
Std Dev 3.471
Gaus mean : 35.0517
Gaus Width: 3.7510
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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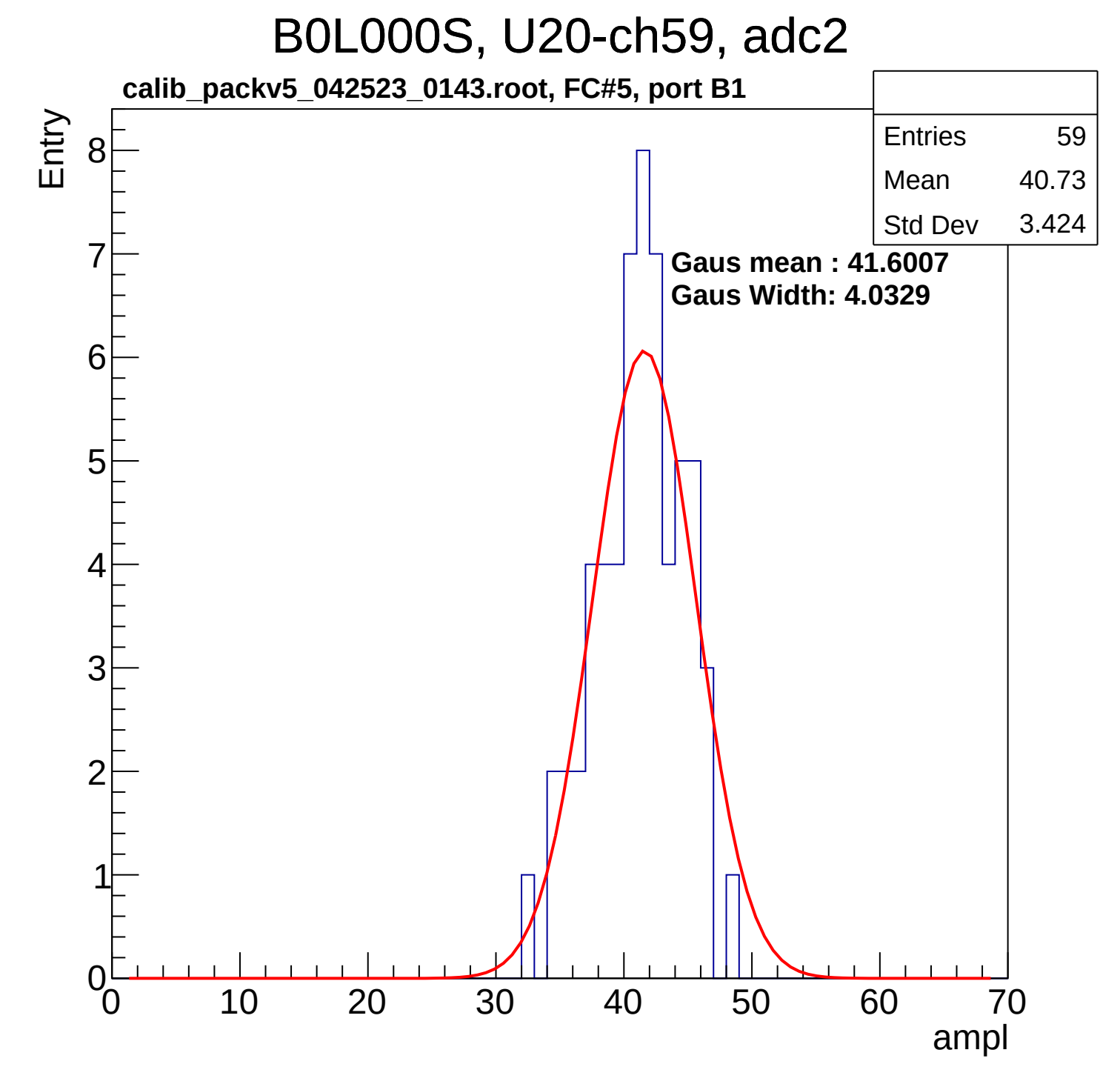
B0L000S, U20-ch59, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 40.73
Std Dev 3.424
Gaus mean : 41.6007
Gaus Width: 4.0329
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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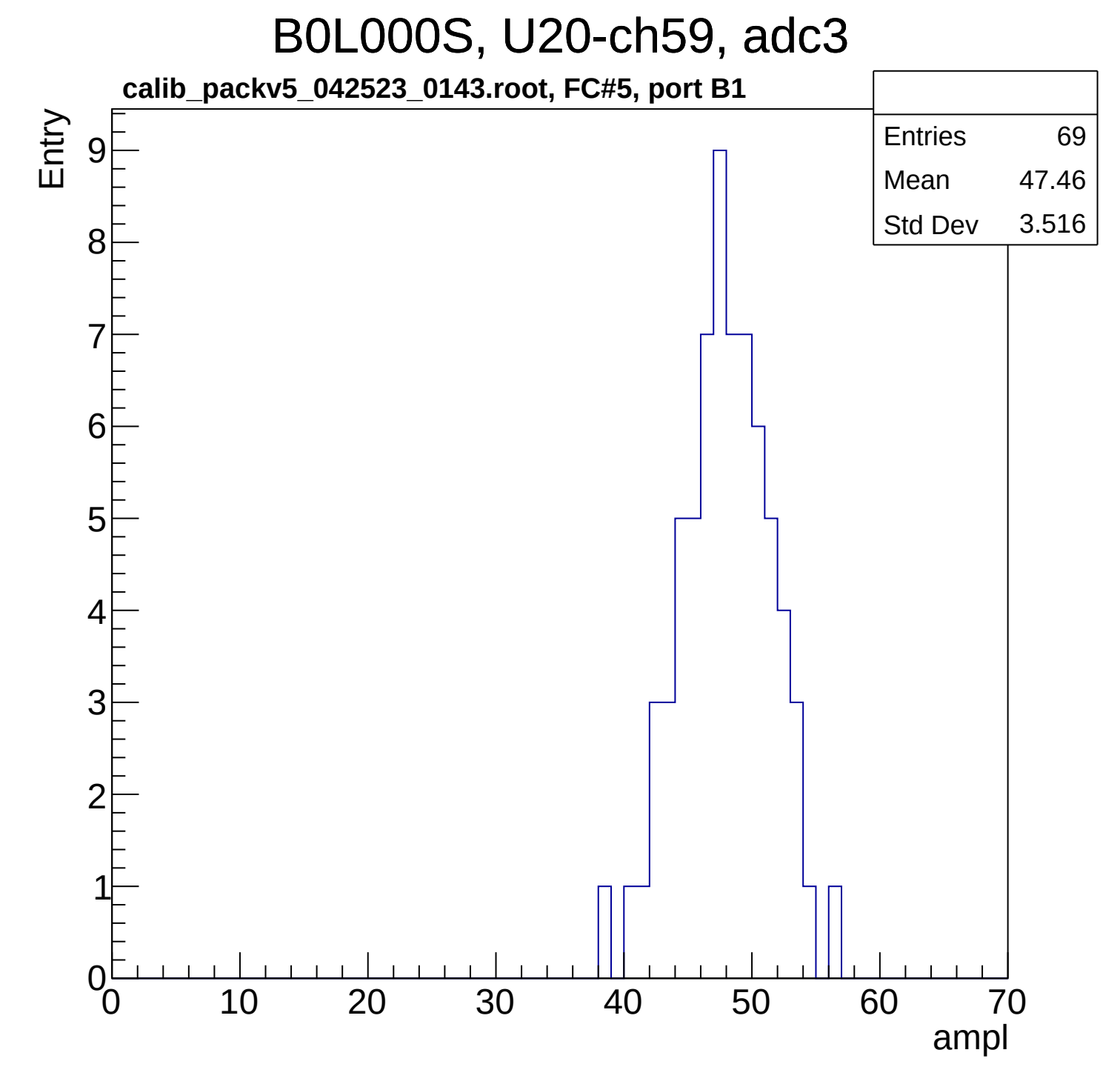
B0L000S, U20-ch59, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 47.46
Std Dev 3.516
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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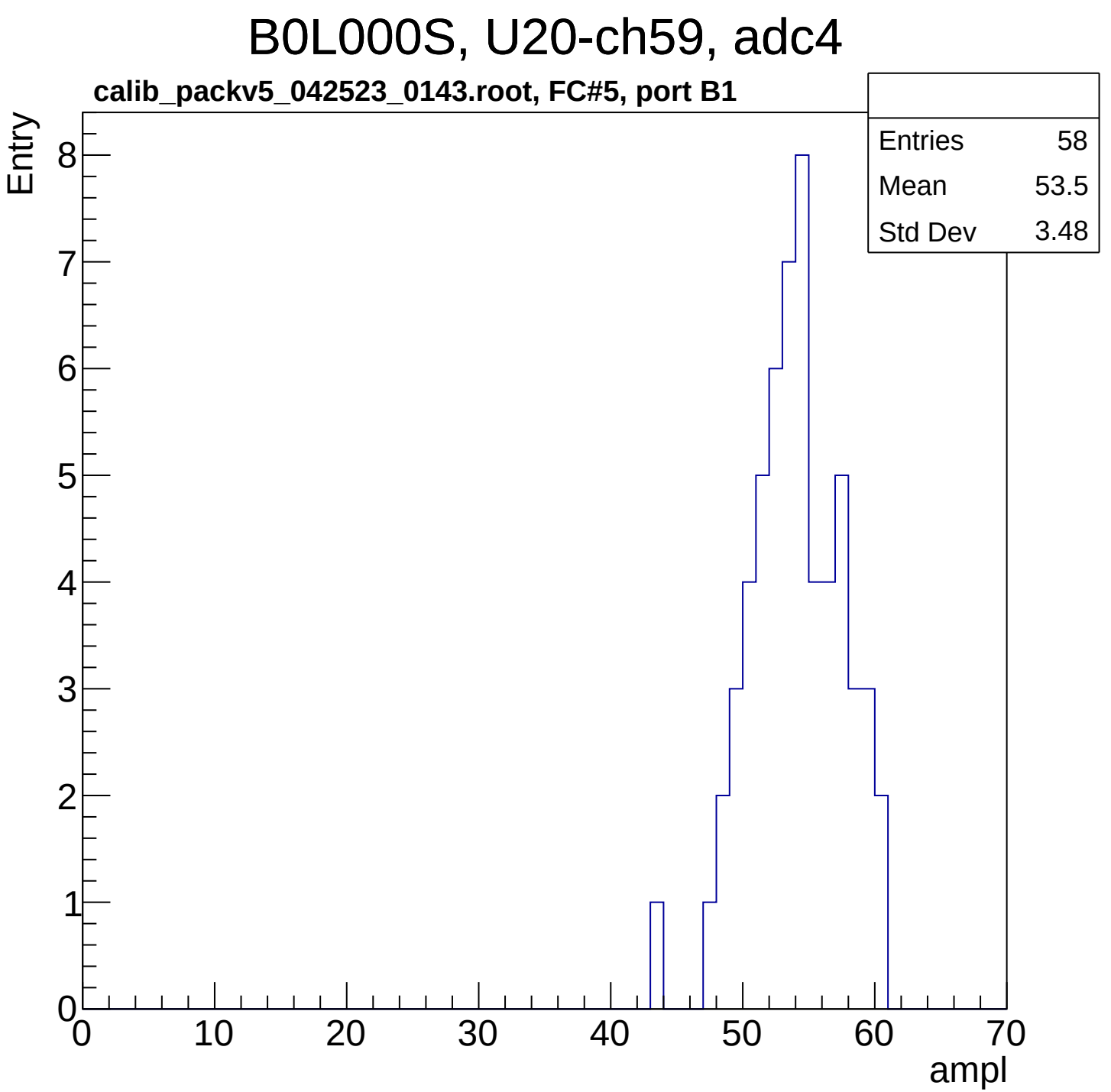
B0L000S, U20-ch59, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 53.5
Std Dev 3.48
Entry
ampl
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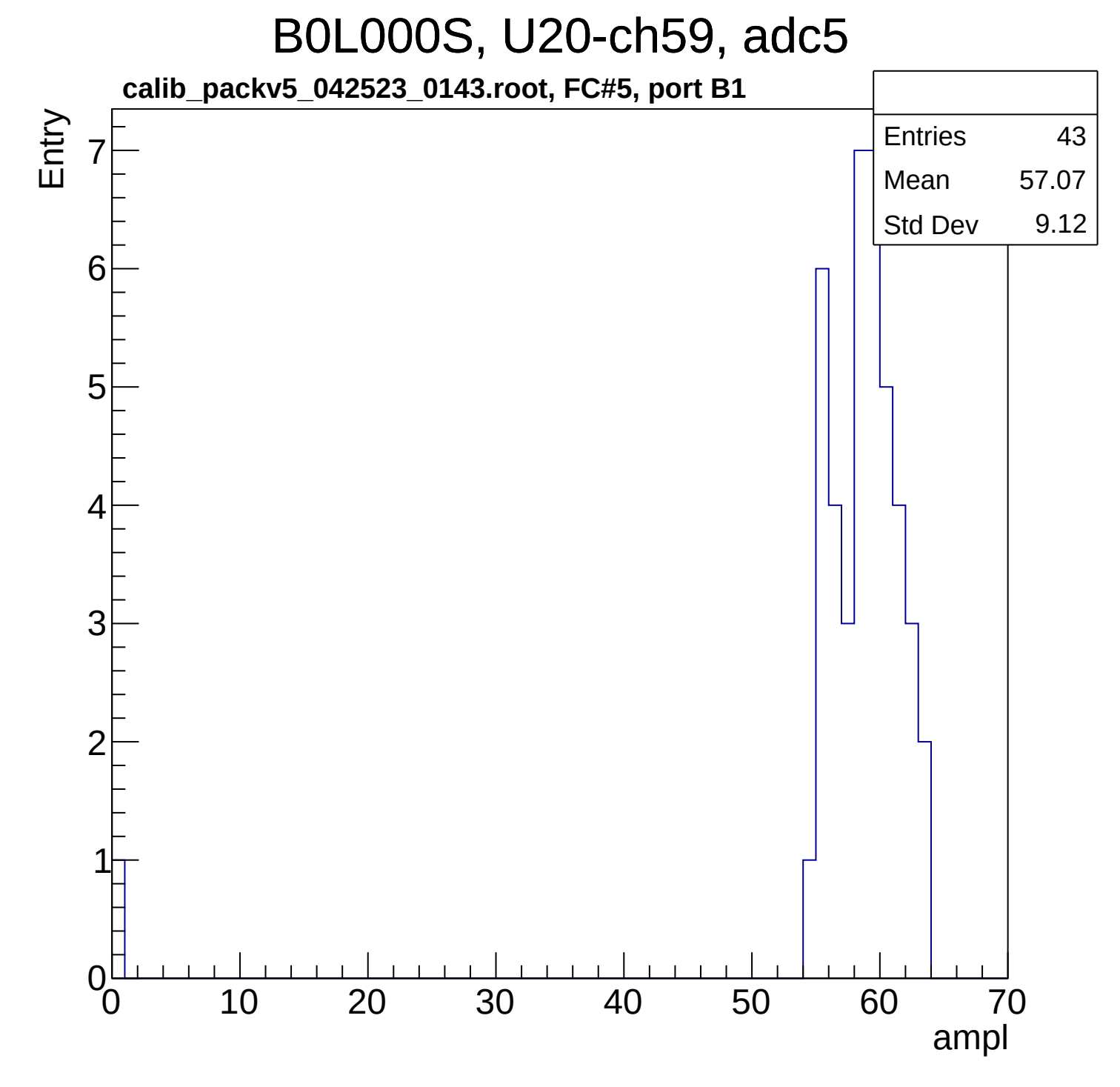
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch59, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 57.07
Std Dev 9.12
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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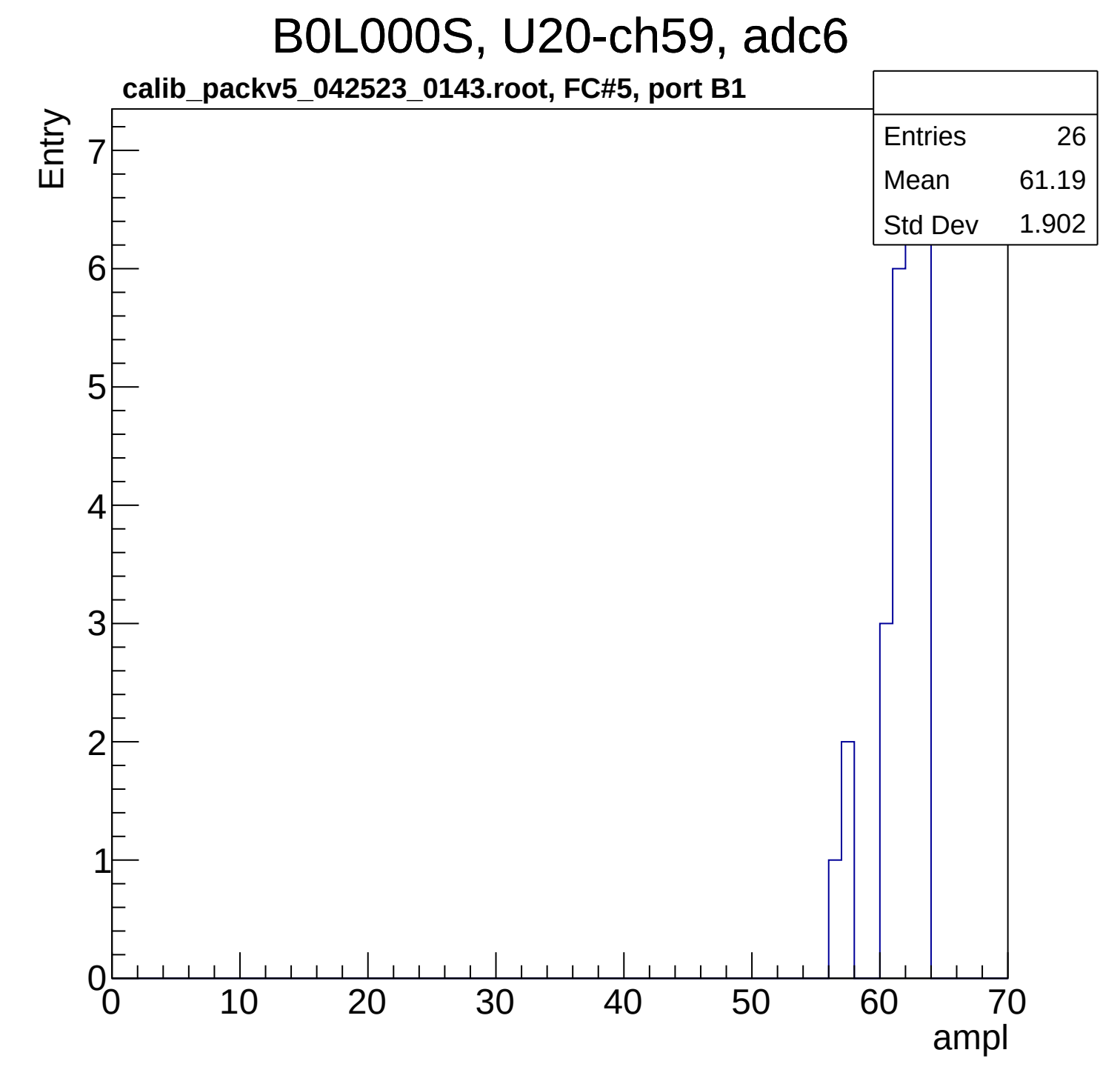
B0L000S, U20-ch59, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 26
Mean 61.19
Std Dev 1.902
Entry
ampl
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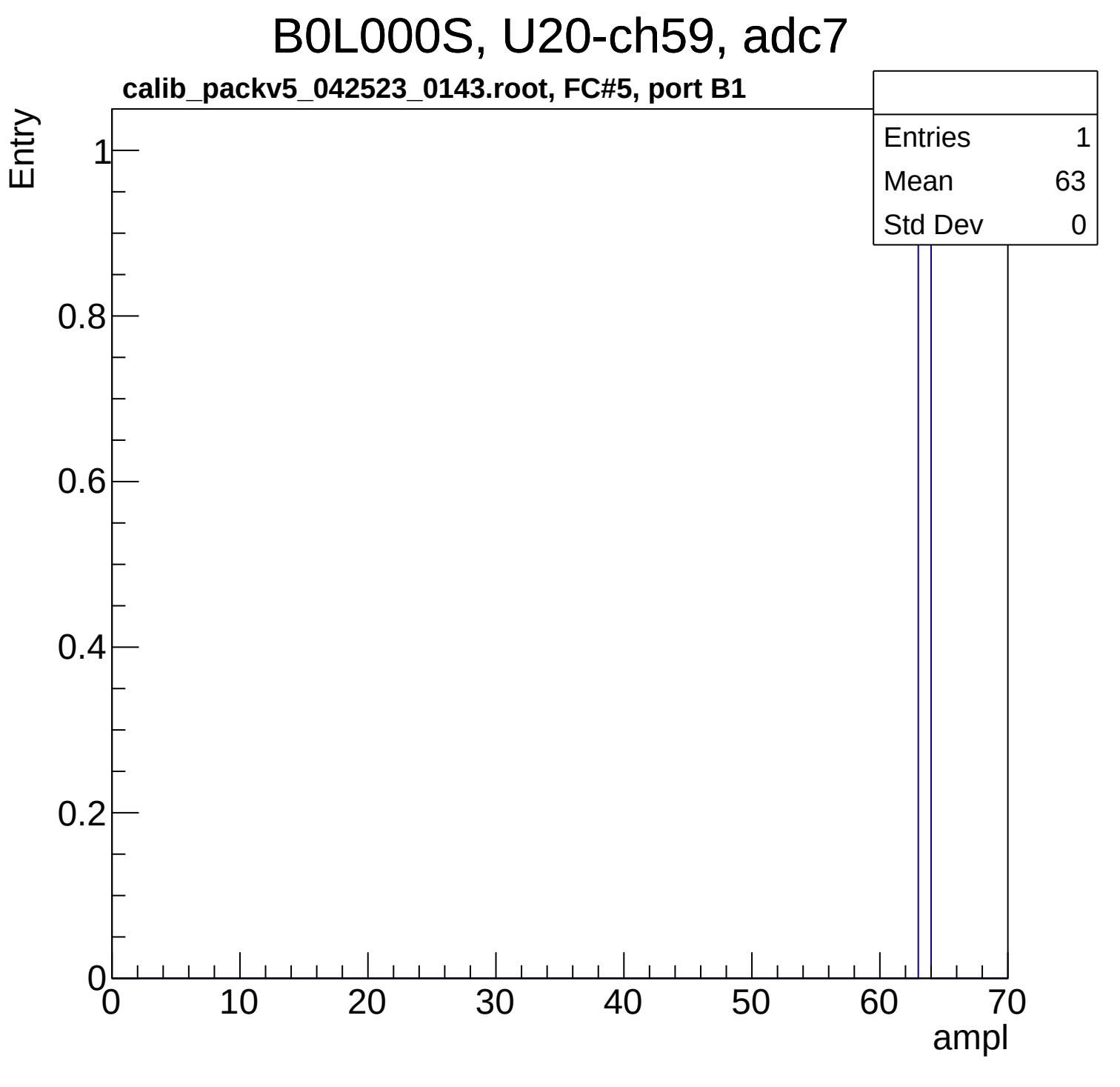
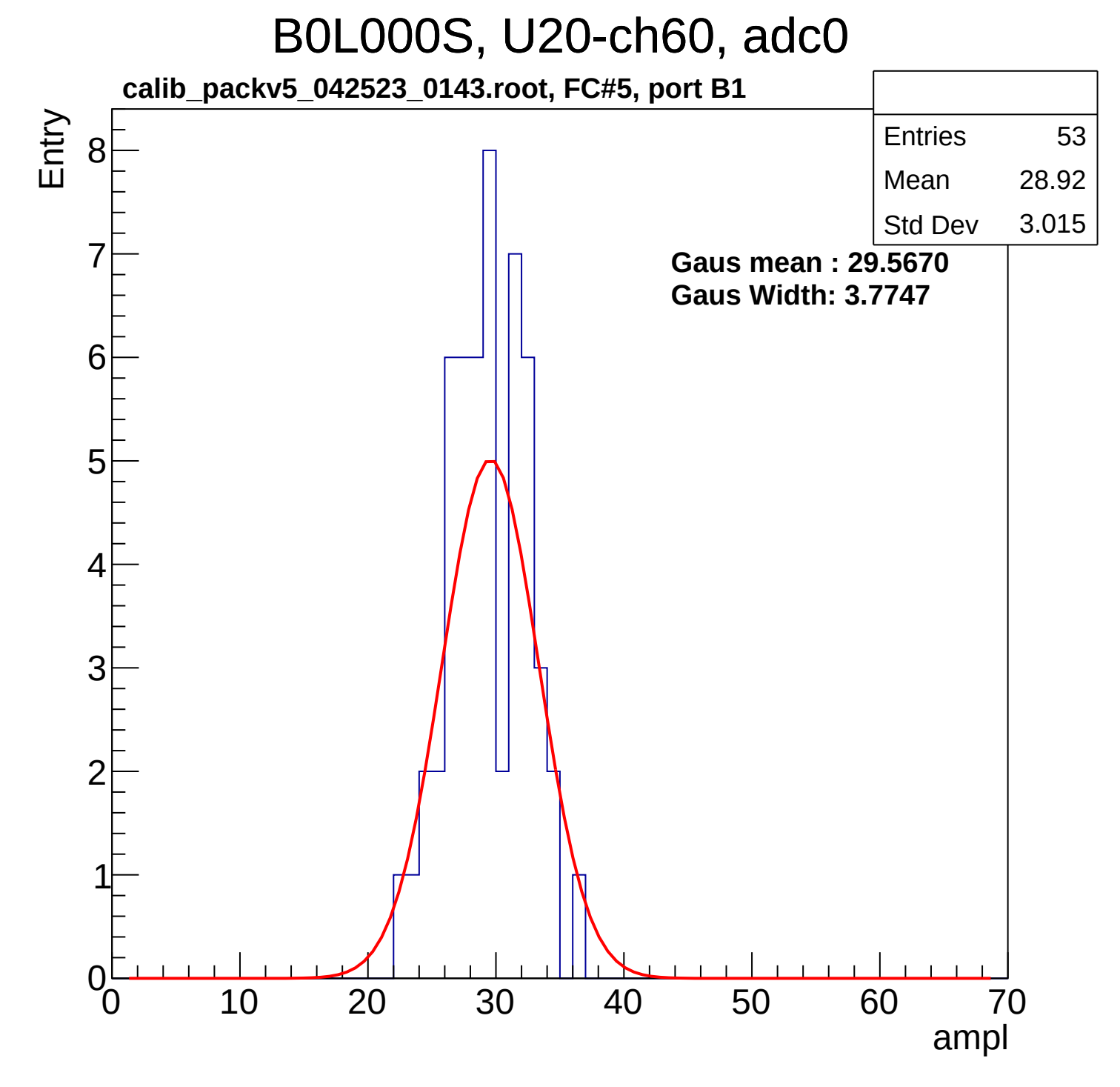
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch59, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch60, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 28.92
Std Dev 3.015
Gaus mean : 29.5670
Gaus Width: 3.7747
Entry
ampl
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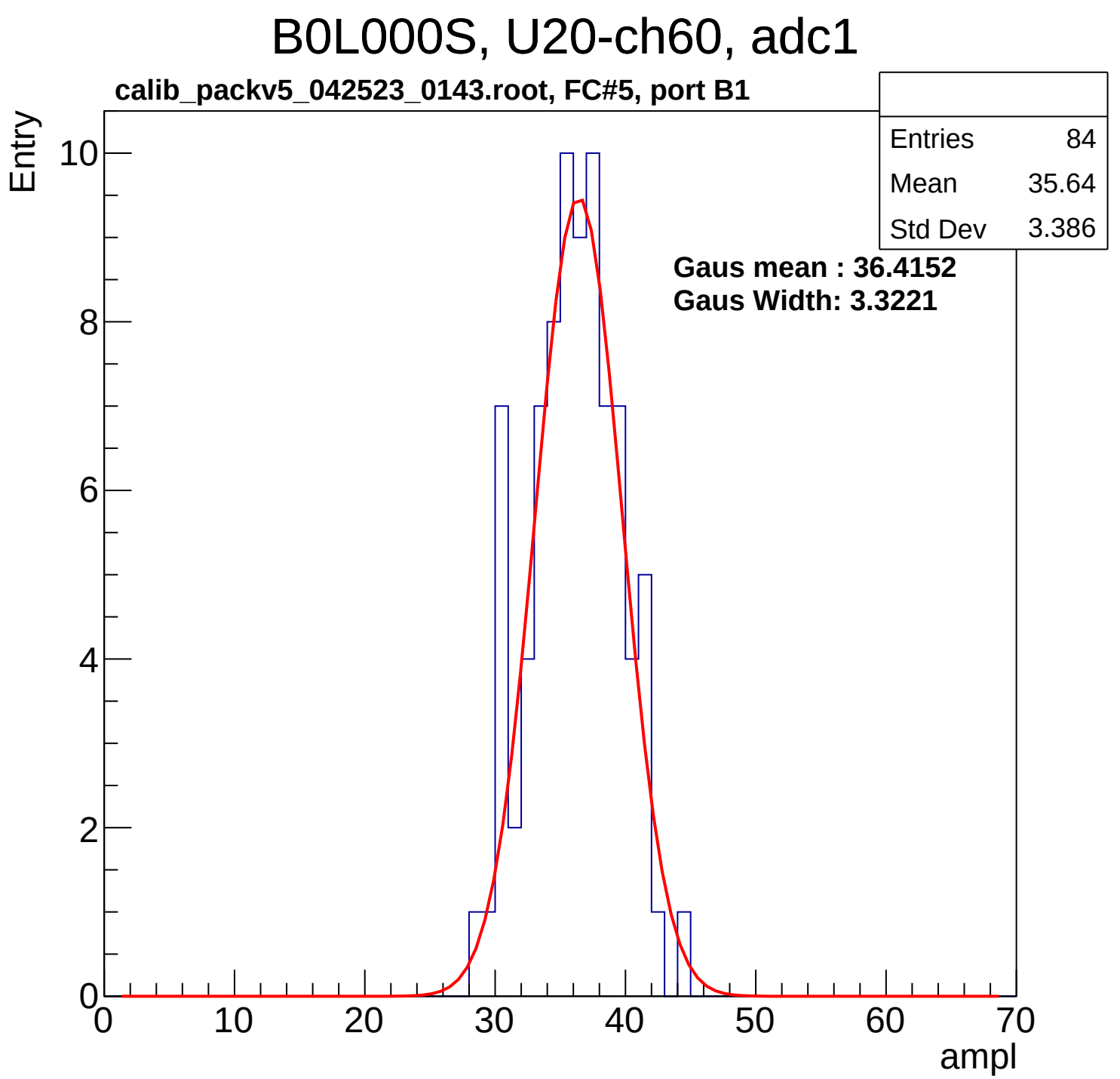
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch60, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 35.64
Std Dev 3.386
Gaus mean : 36.4152
Gaus Width: 3.3221
Entry
ampl
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2
4
6
8
10
0
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20
30
40
50
60
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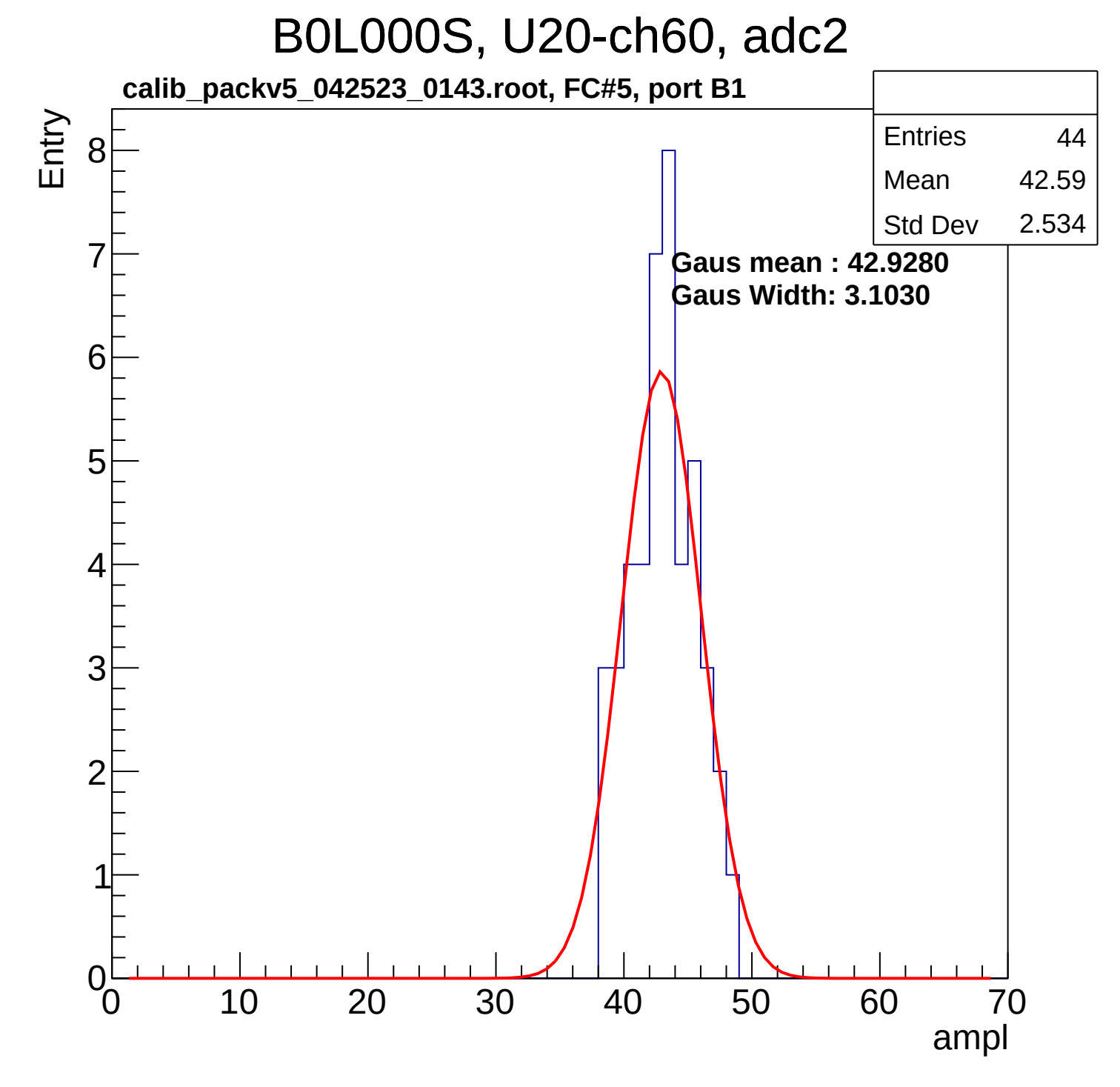
B0L000S, U20-ch60, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 42.59
Std Dev 2.534
Gaus mean : 42.9280
Gaus Width: 3.1030
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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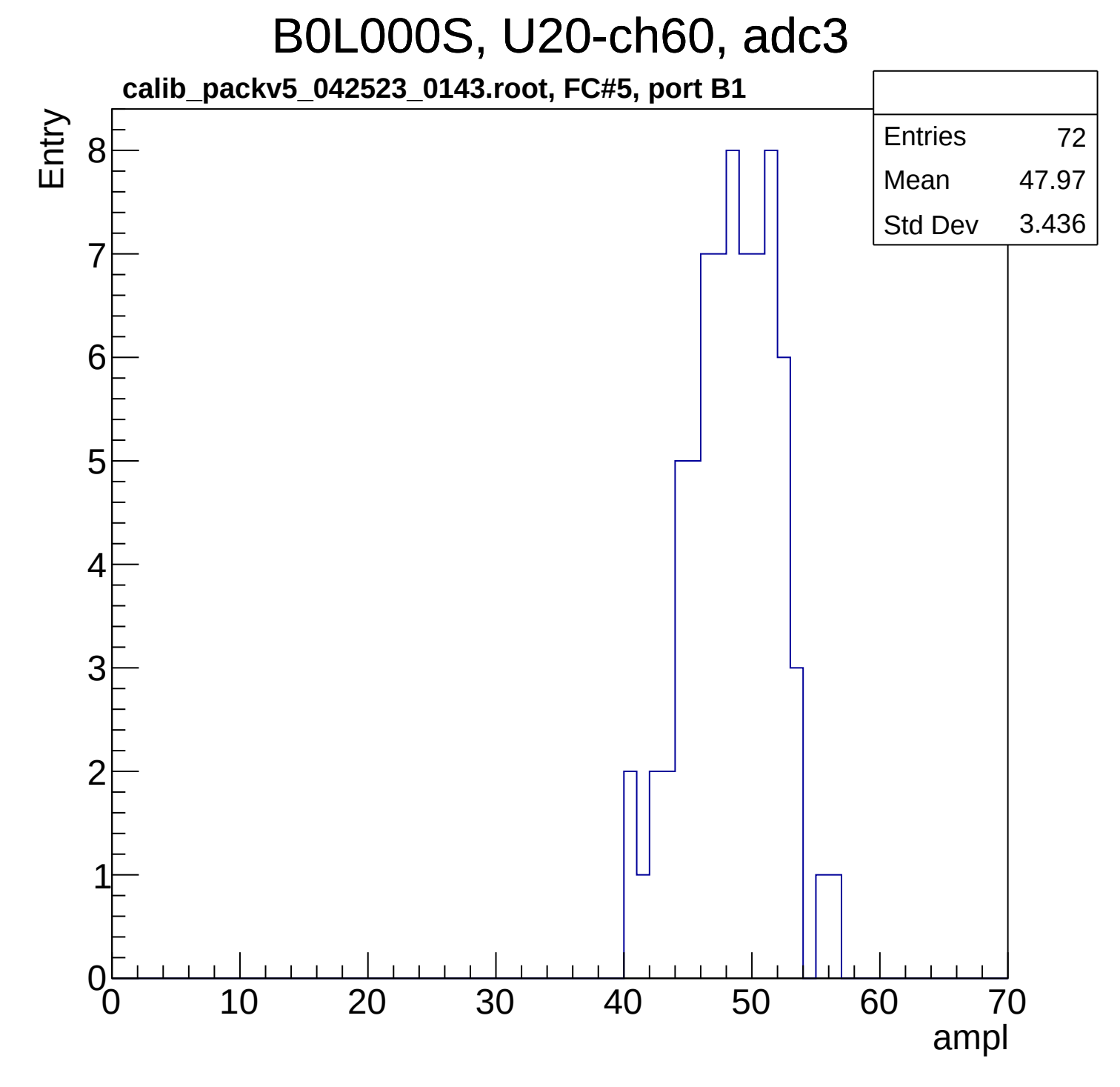
B0L000S, U20-ch60, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 47.97
Std Dev 3.436
Entry
ampl
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2
3
4
5
6
7
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0
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60
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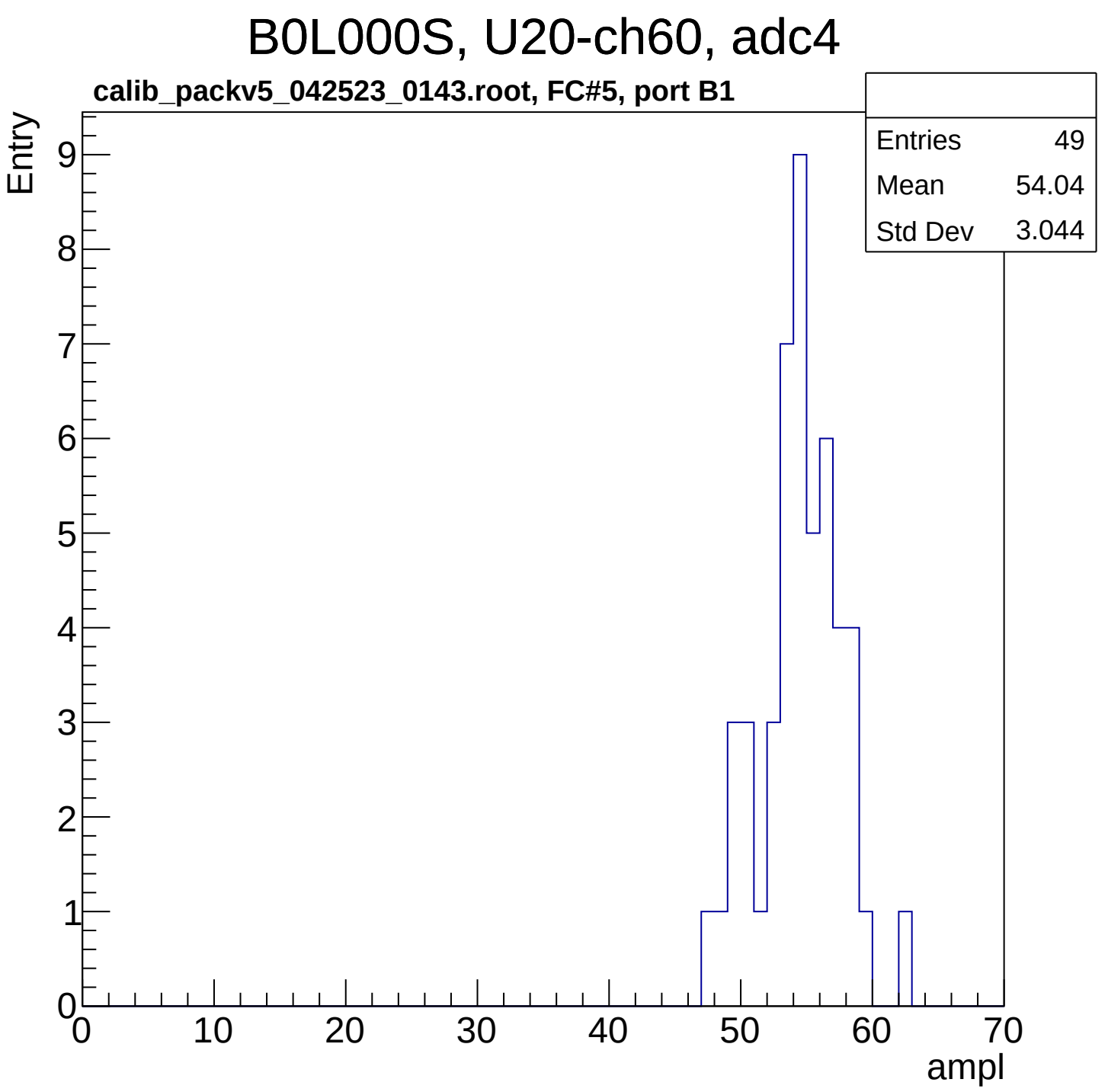
B0L000S, U20-ch60, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 54.04
Std Dev 3.044
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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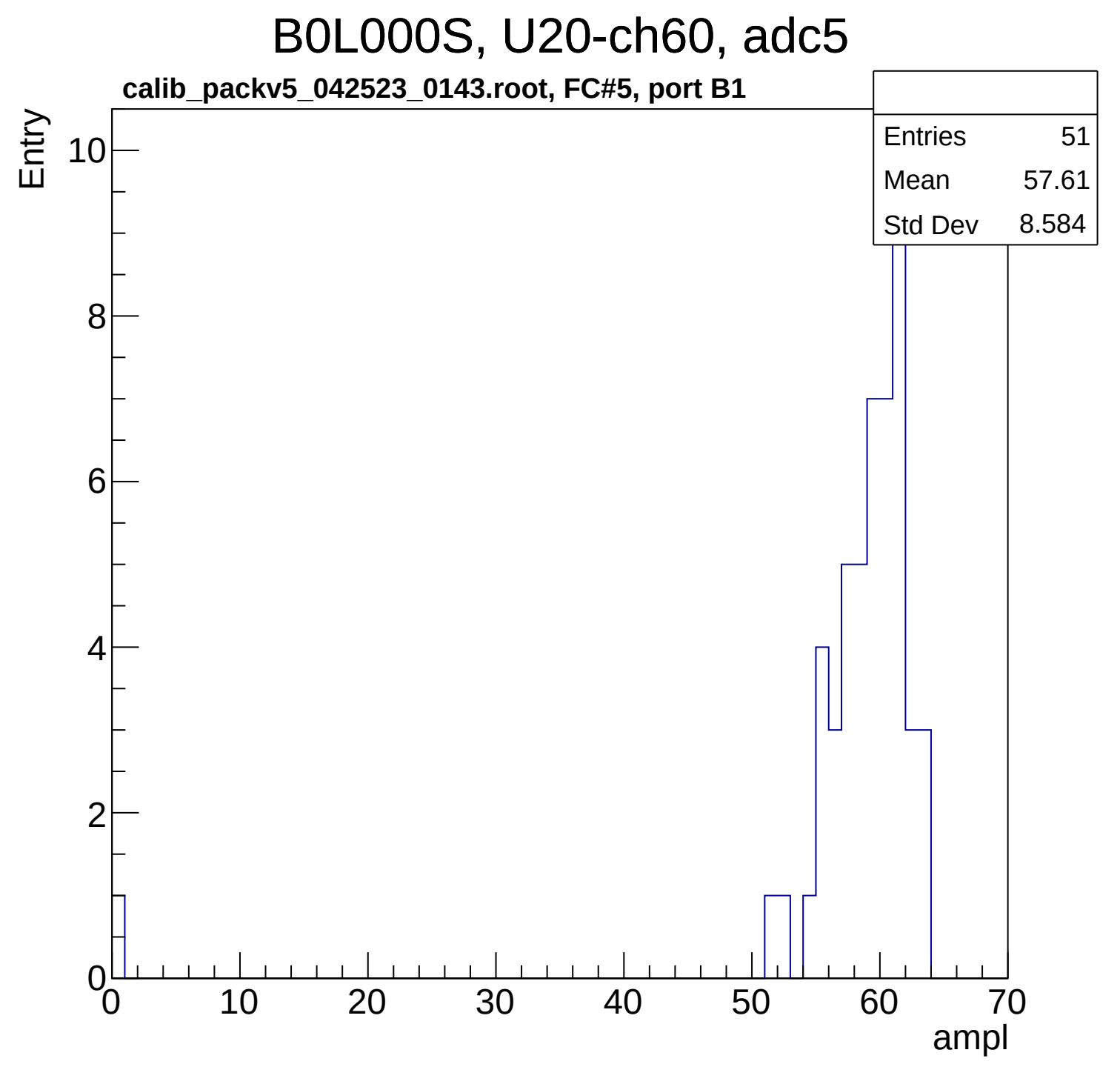
B0L000S, U20-ch60, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 57.61
Std Dev 8.584
Entry
ampl
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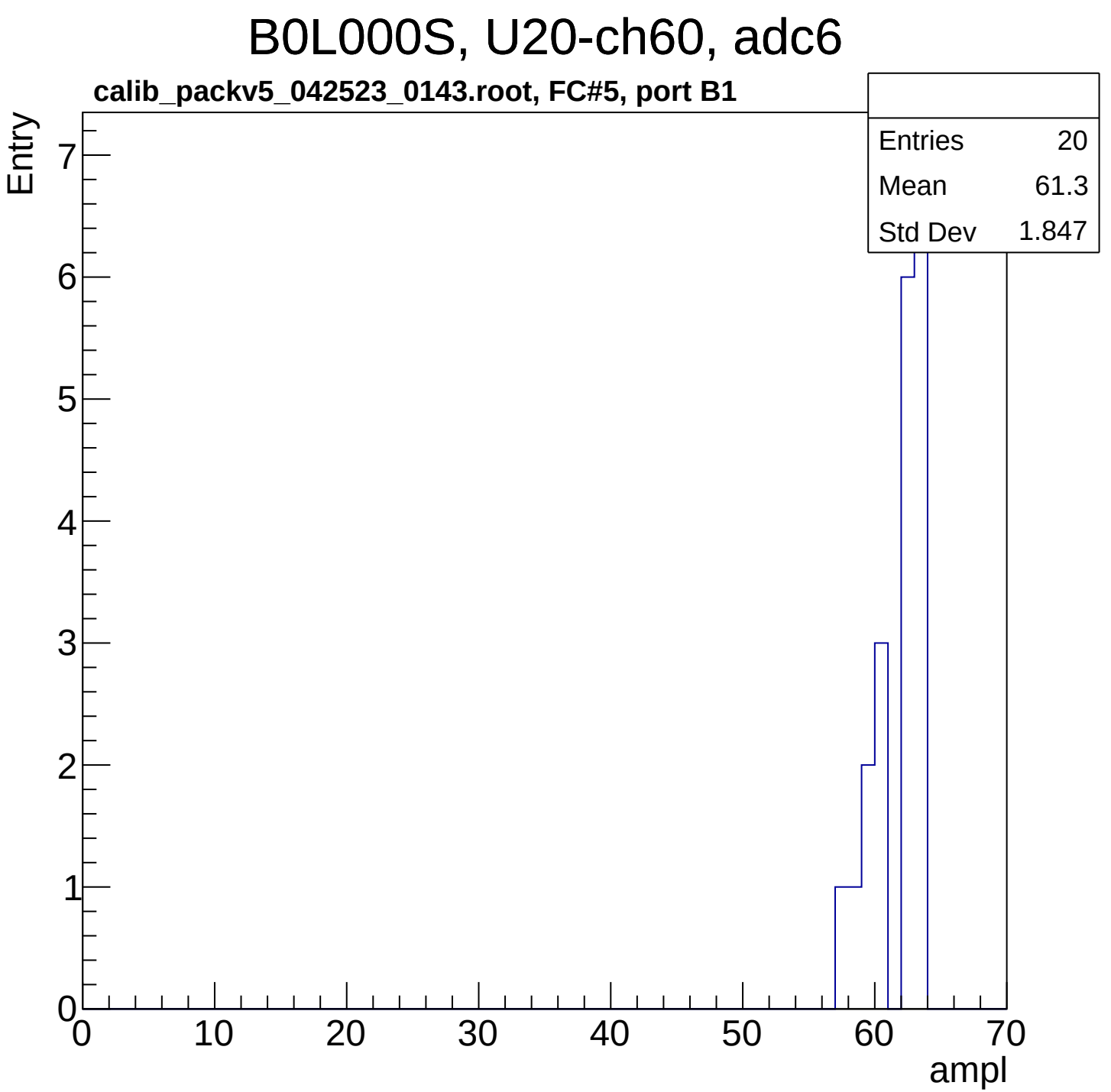
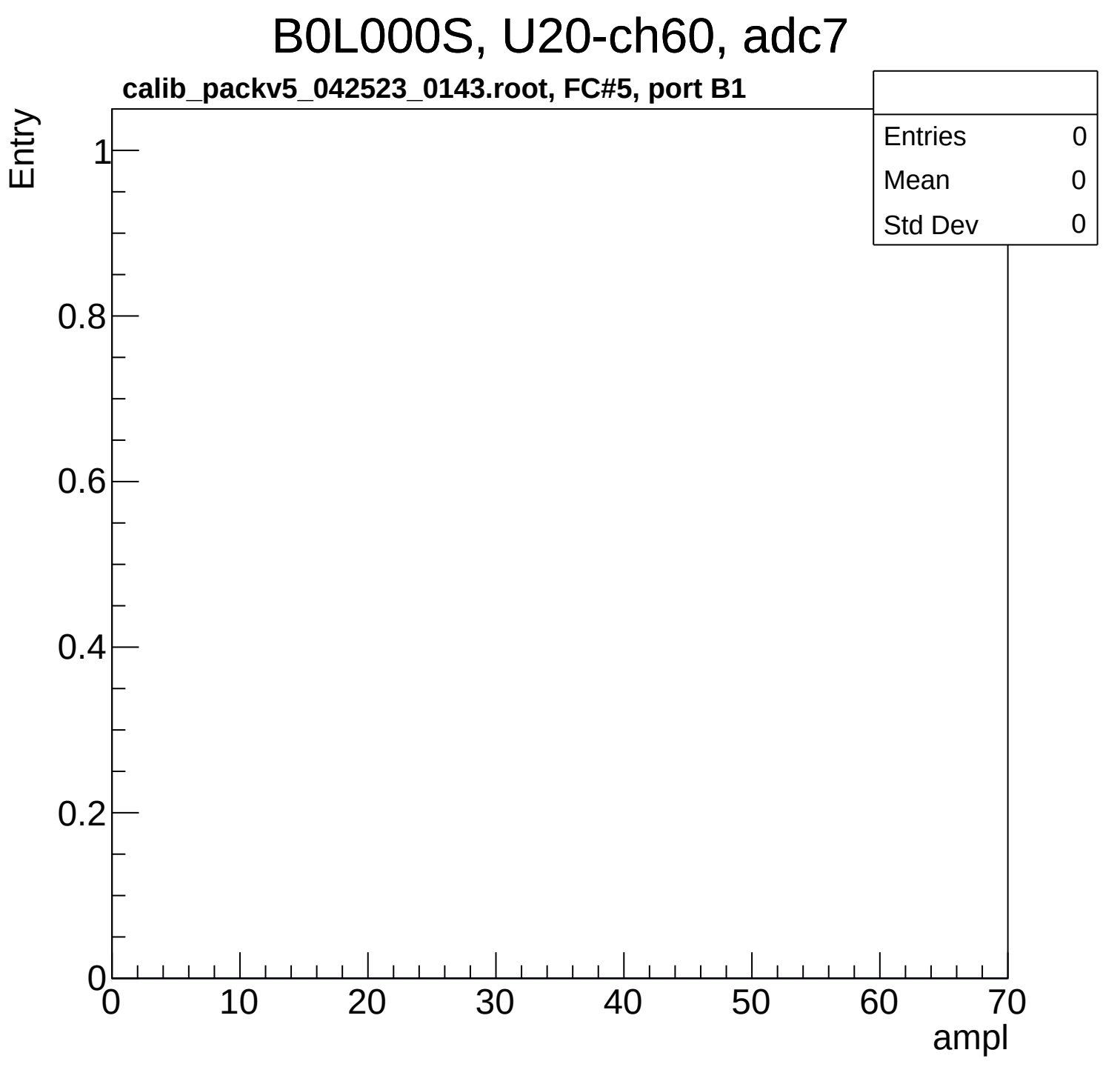
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch60, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 20
Mean 61.3
Std Dev 1.847
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch60, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
0
10
20
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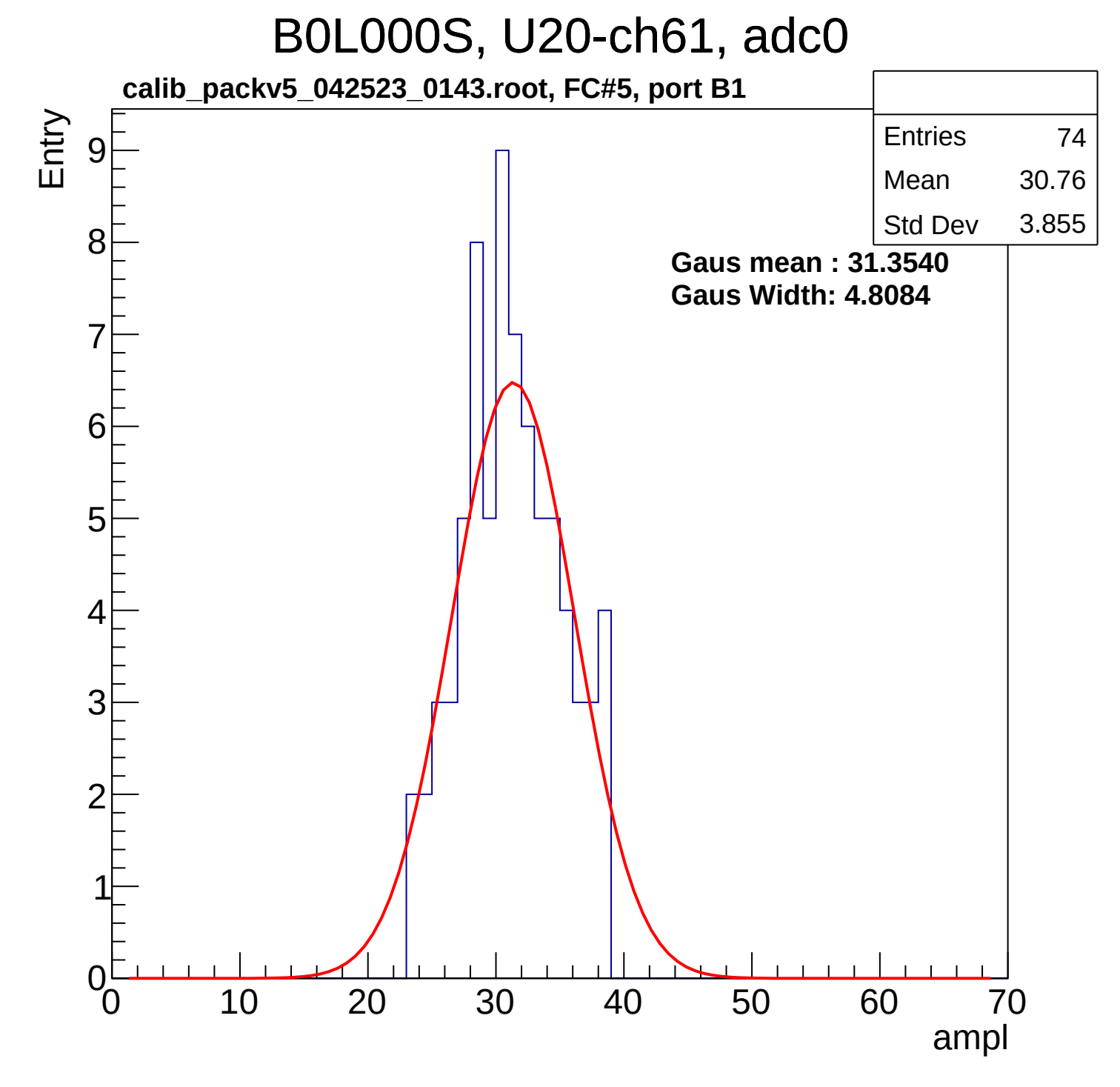
40
50
60
70
ampl


B0L000S, U20-ch61, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 30.76
Std Dev 3.855
Gaus mean : 31.3540
Gaus Width: 4.8084
Entry
ampl
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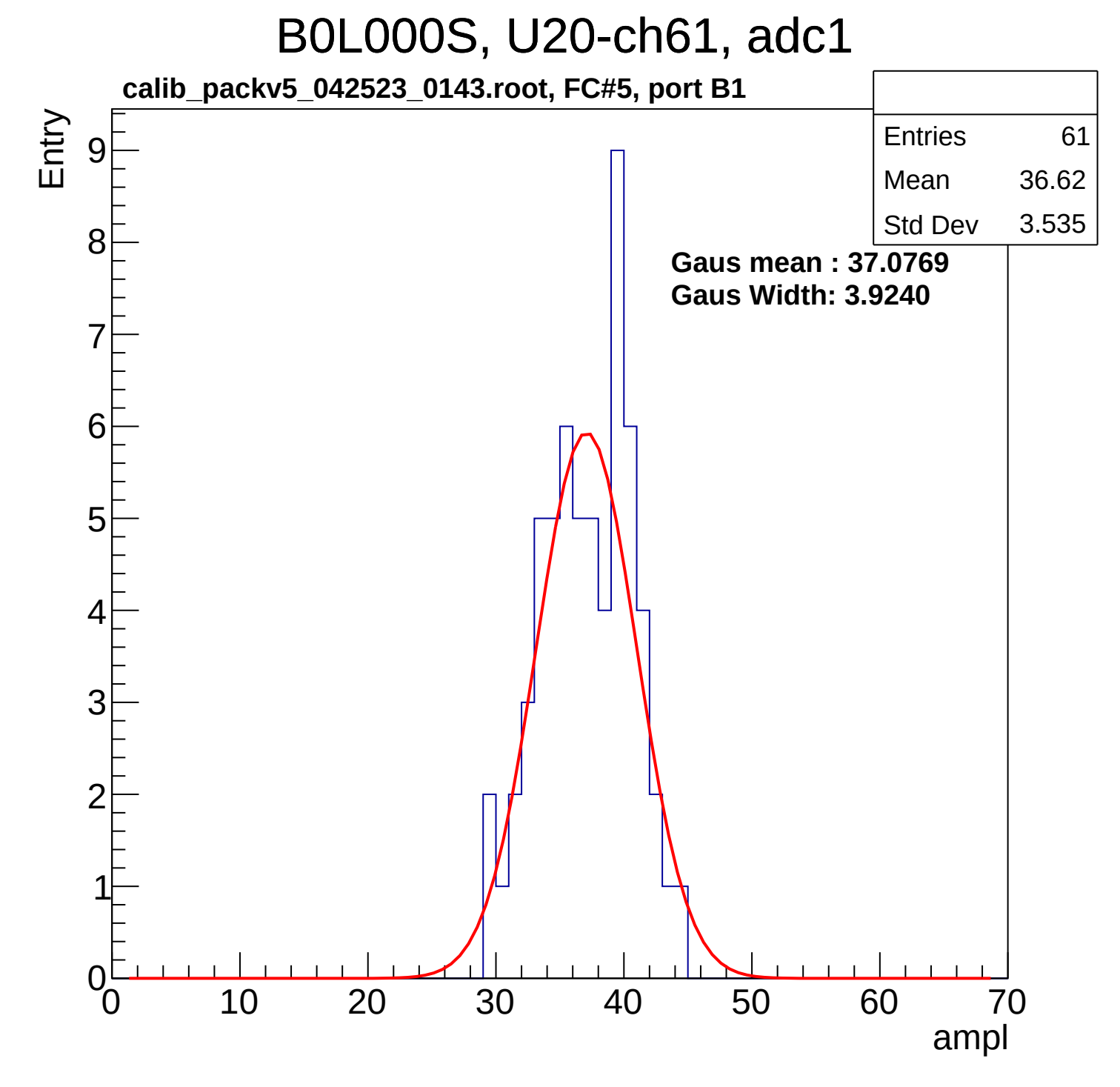
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch61, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 36.62
Std Dev 3.535
Gaus mean : 37.0769
Gaus Width: 3.9240
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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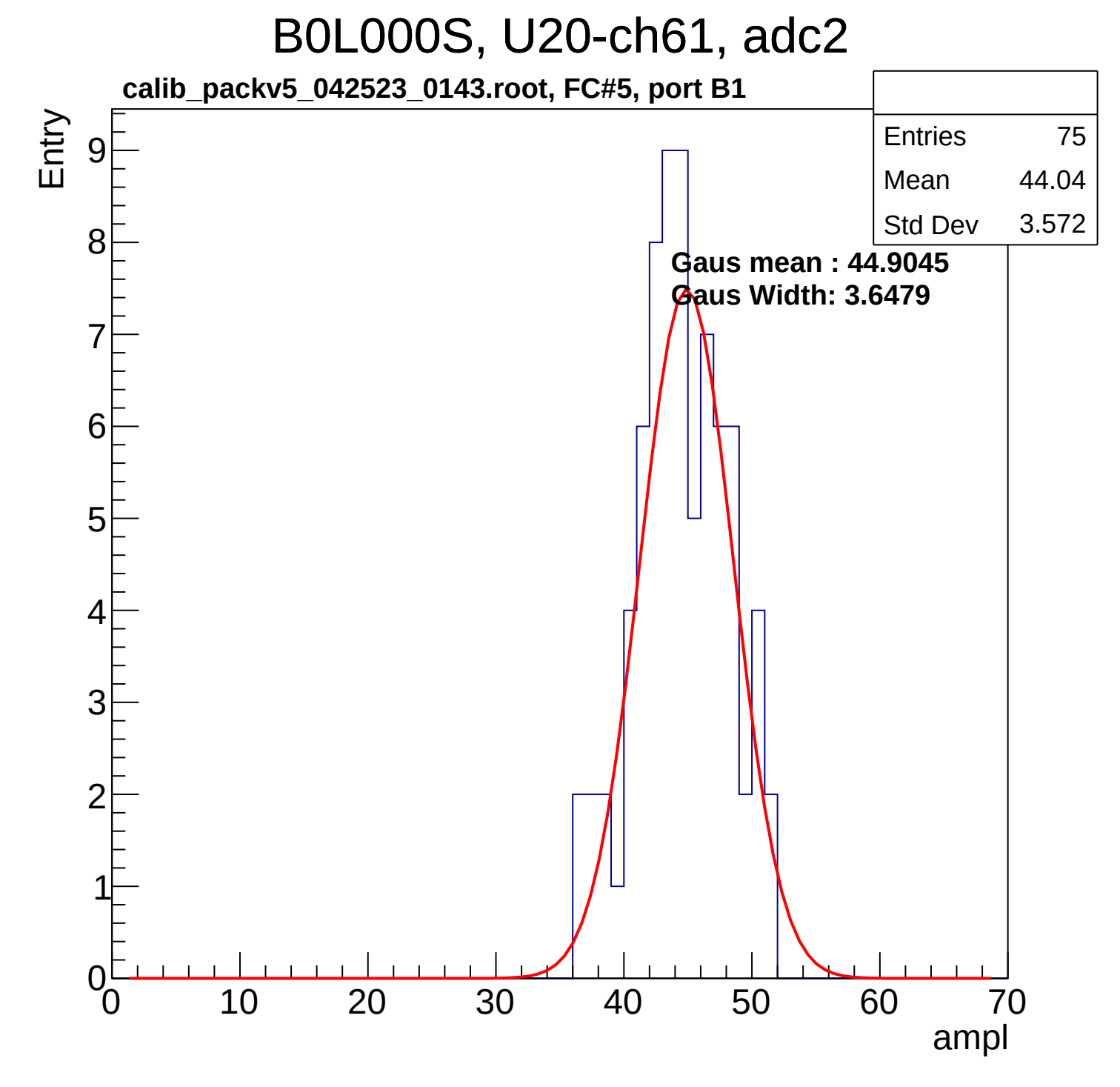
B0L000S, U20-ch61, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 44.04
Std Dev 3.572
Gaus mean : 44.9045
Gaus Width: 3.6479
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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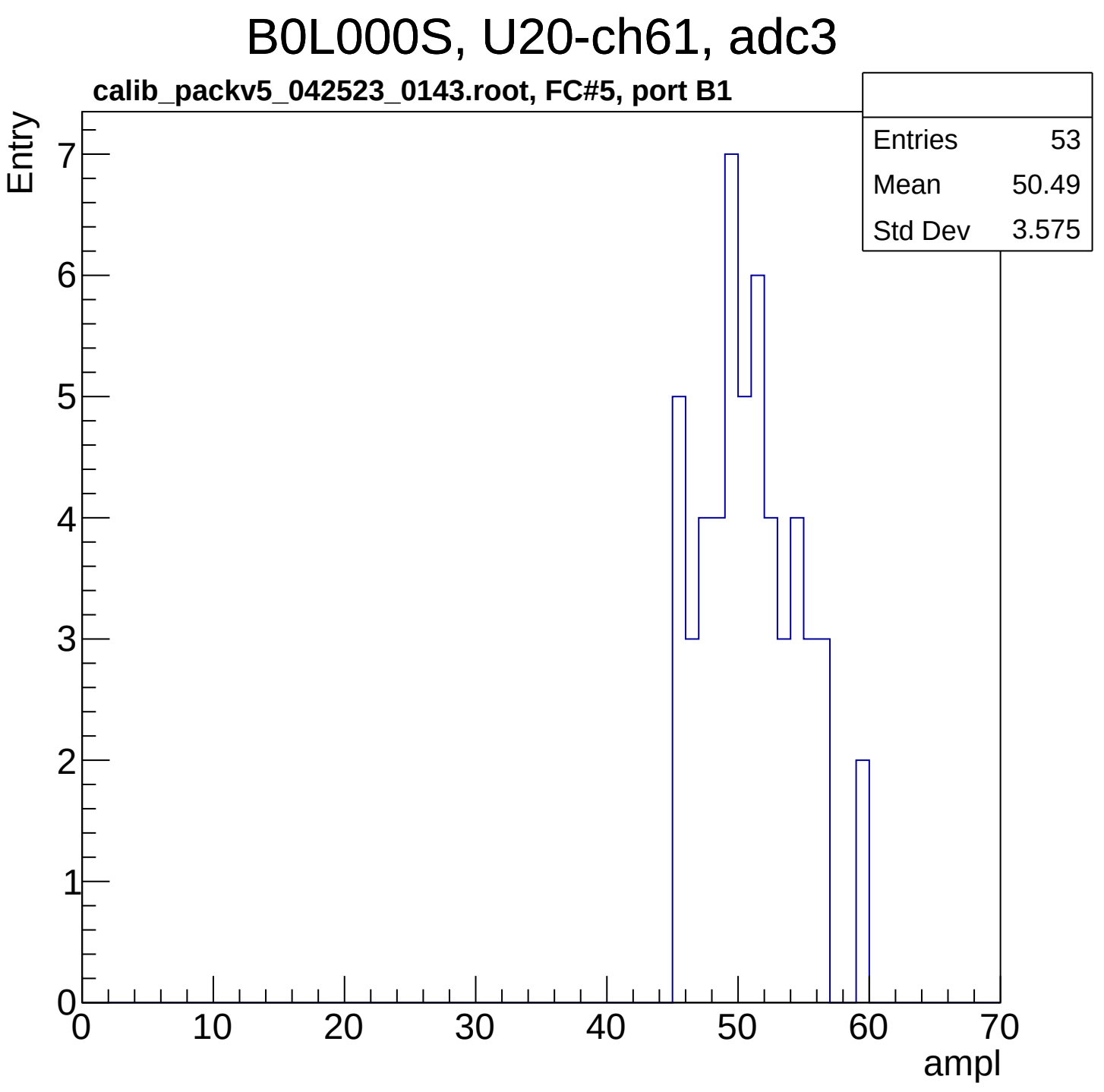
B0L000S, U20-ch61, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 50.49
Std Dev 3.575
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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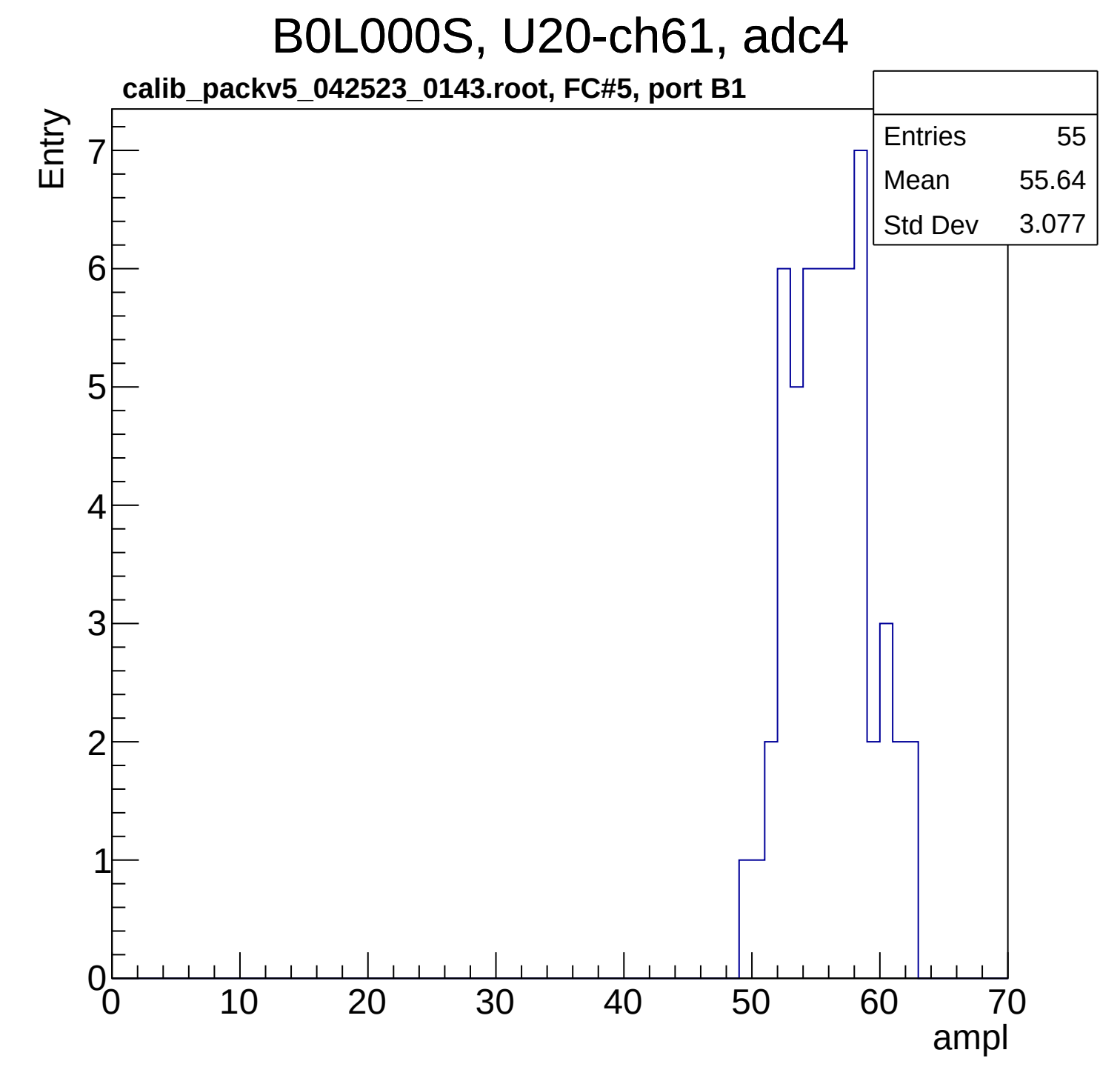
B0L000S, U20-ch61, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 55.64
Std Dev 3.077
Entry
ampl
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2
3
4
5
6
7
0
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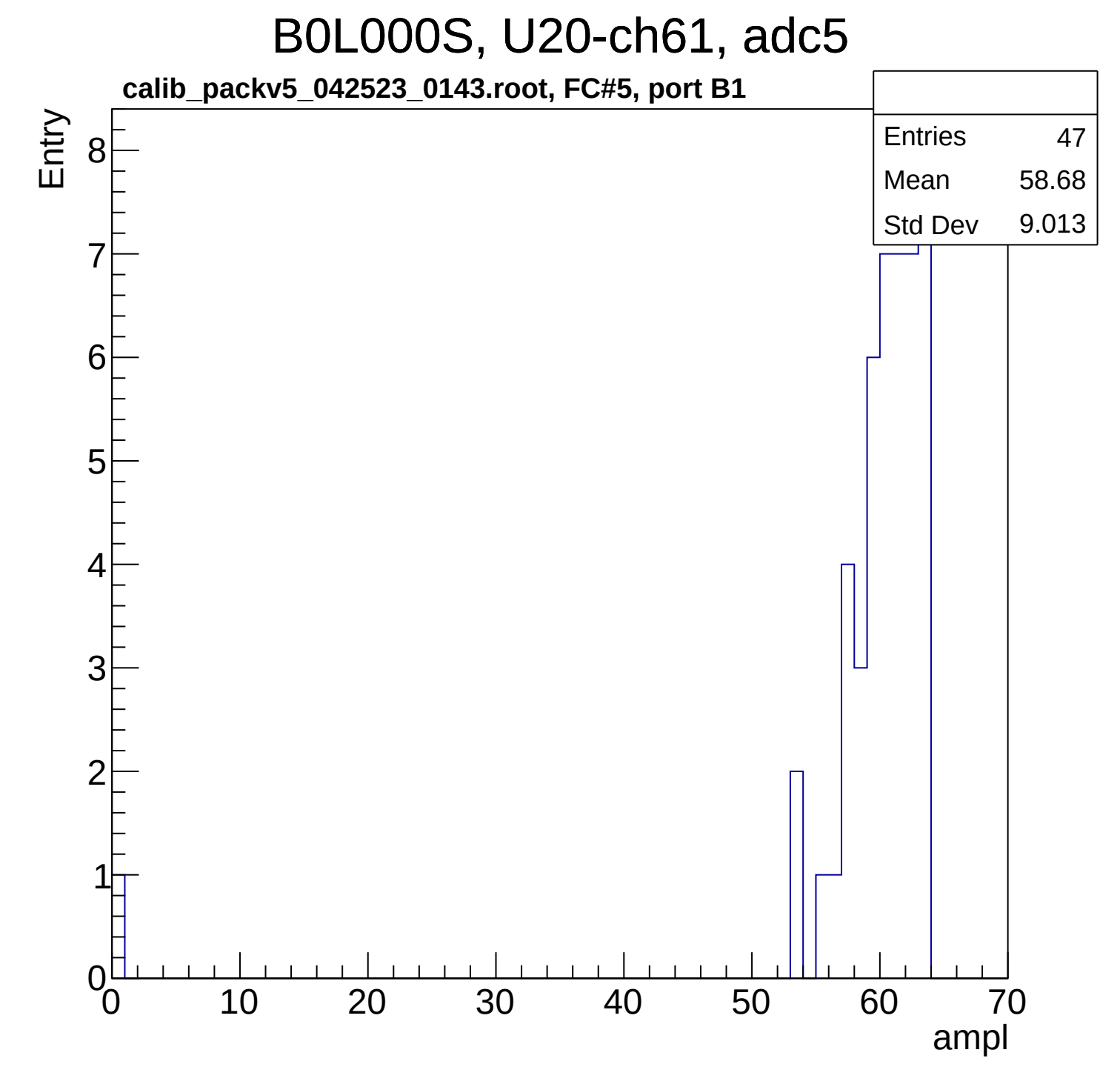
B0L000S, U20-ch61, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 58.68
Std Dev 9.013
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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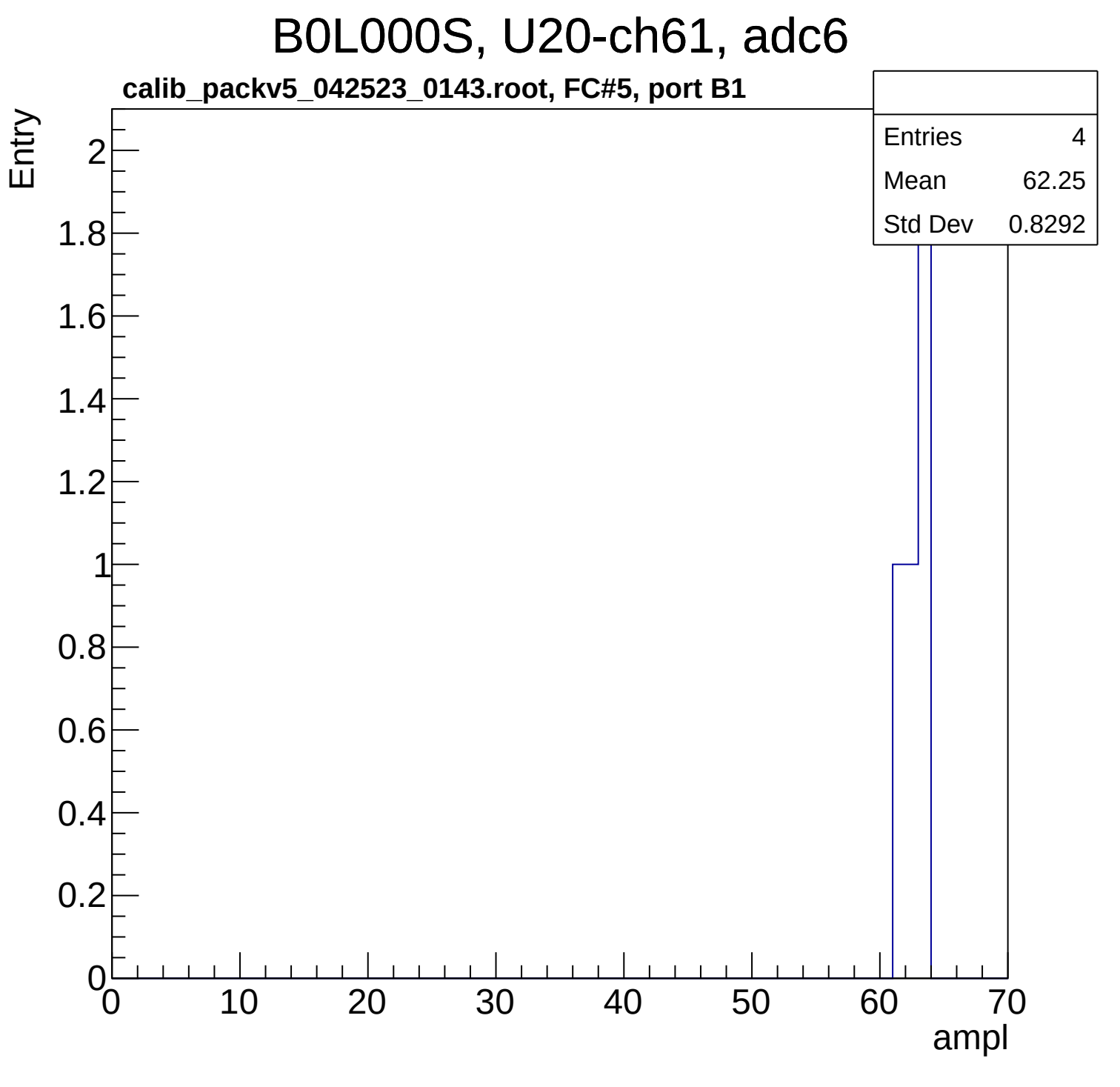
B0L000S, U20-ch61, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62.25
Std Dev 0.8292
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
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60
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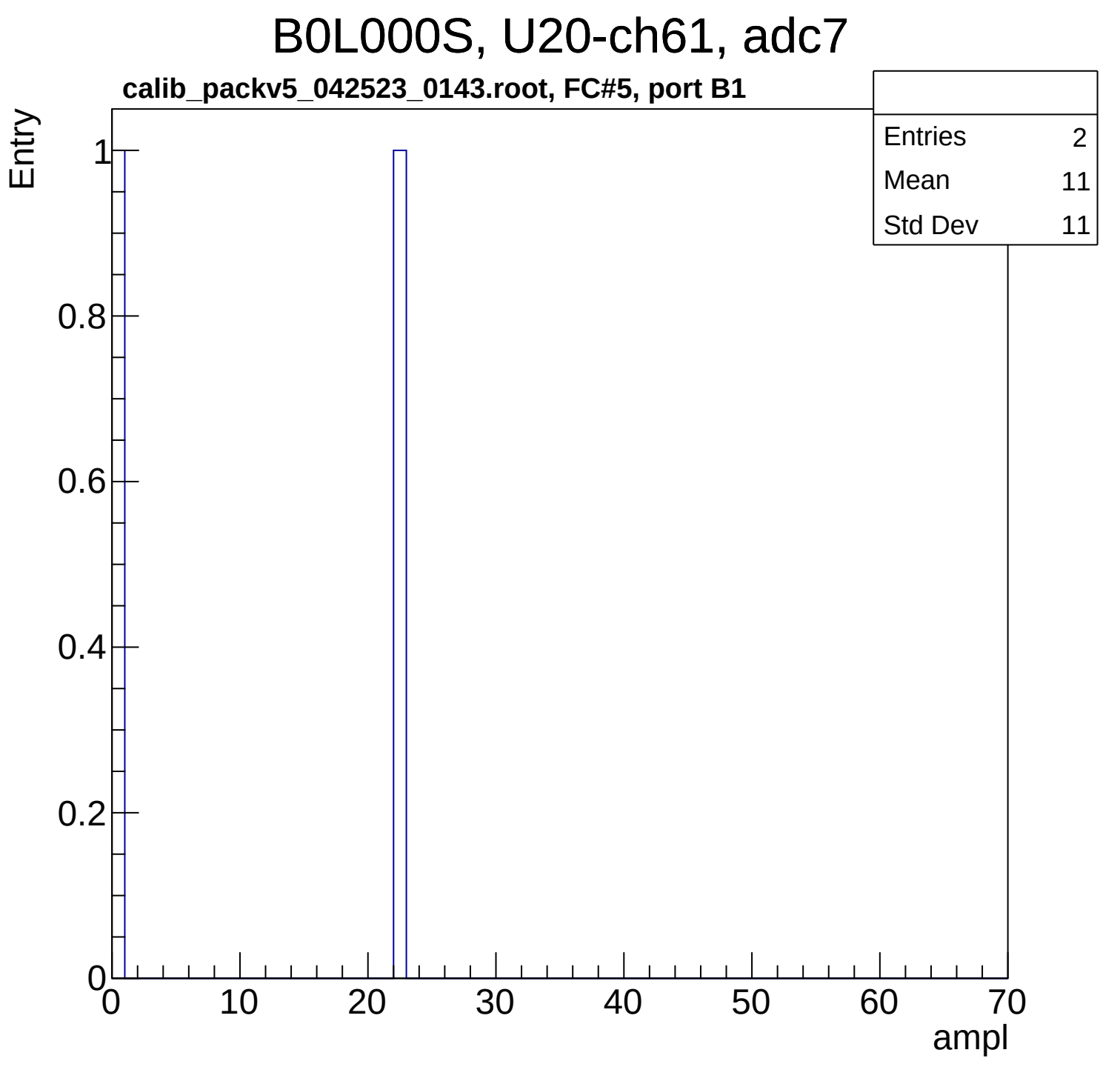
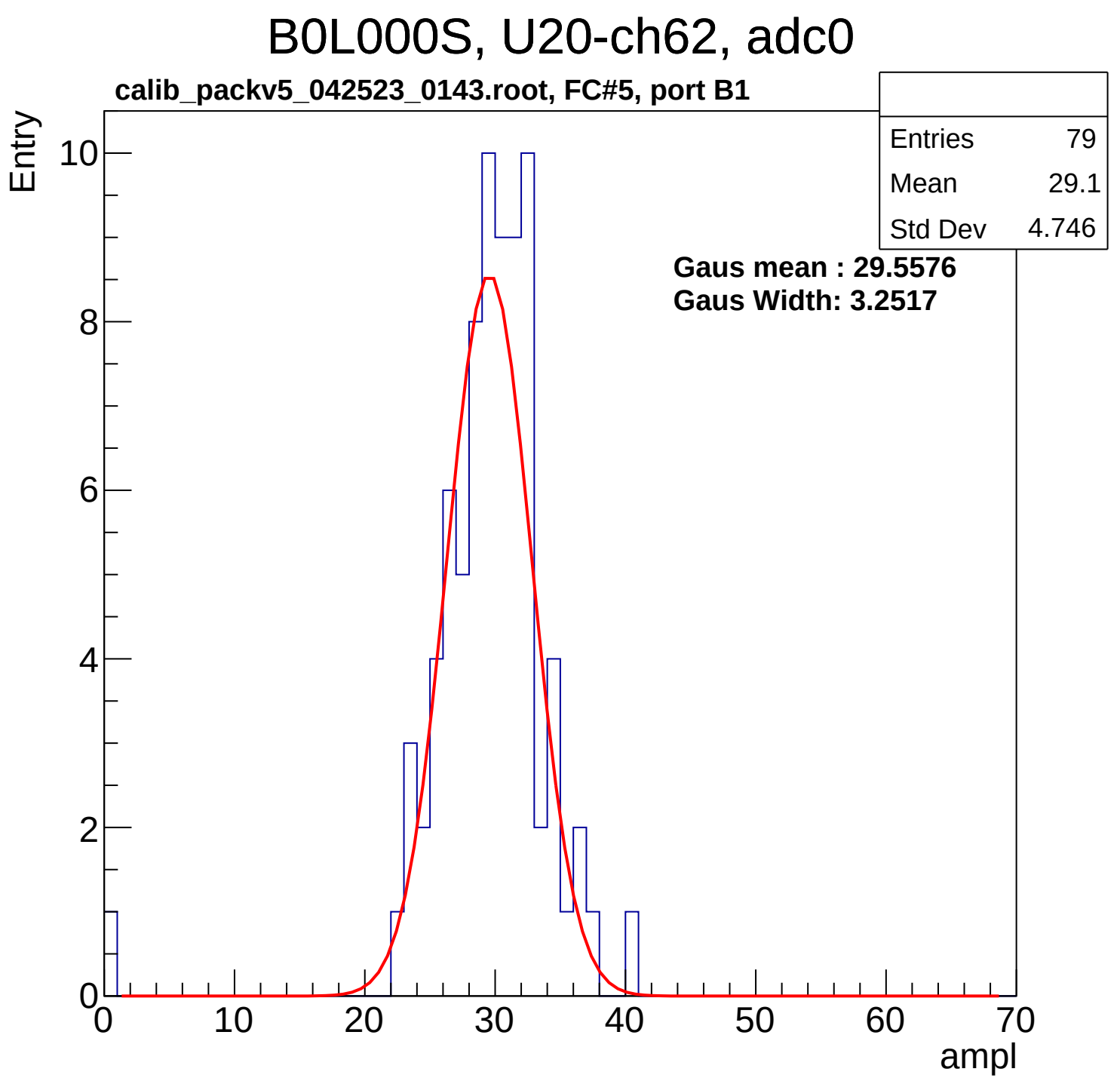
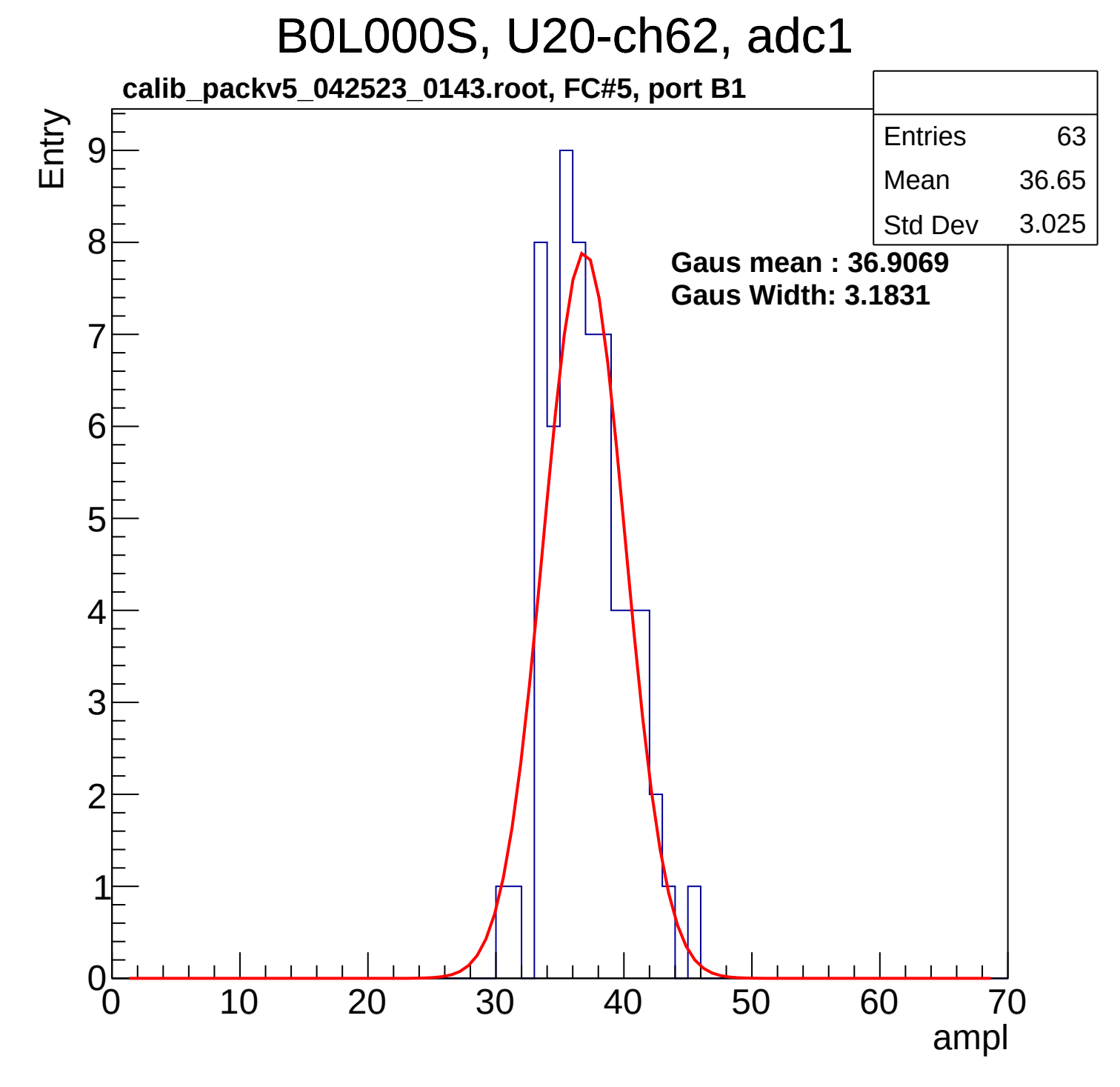

B0L000S, U20-ch61, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 11
Std Dev 11
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch62, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 29.1
Std Dev 4.746
Gaus mean : 29.5576
Gaus Width: 3.2517
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch62, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 36.65
Std Dev 3.025
Gaus mean : 36.9069
Gaus Width: 3.1831
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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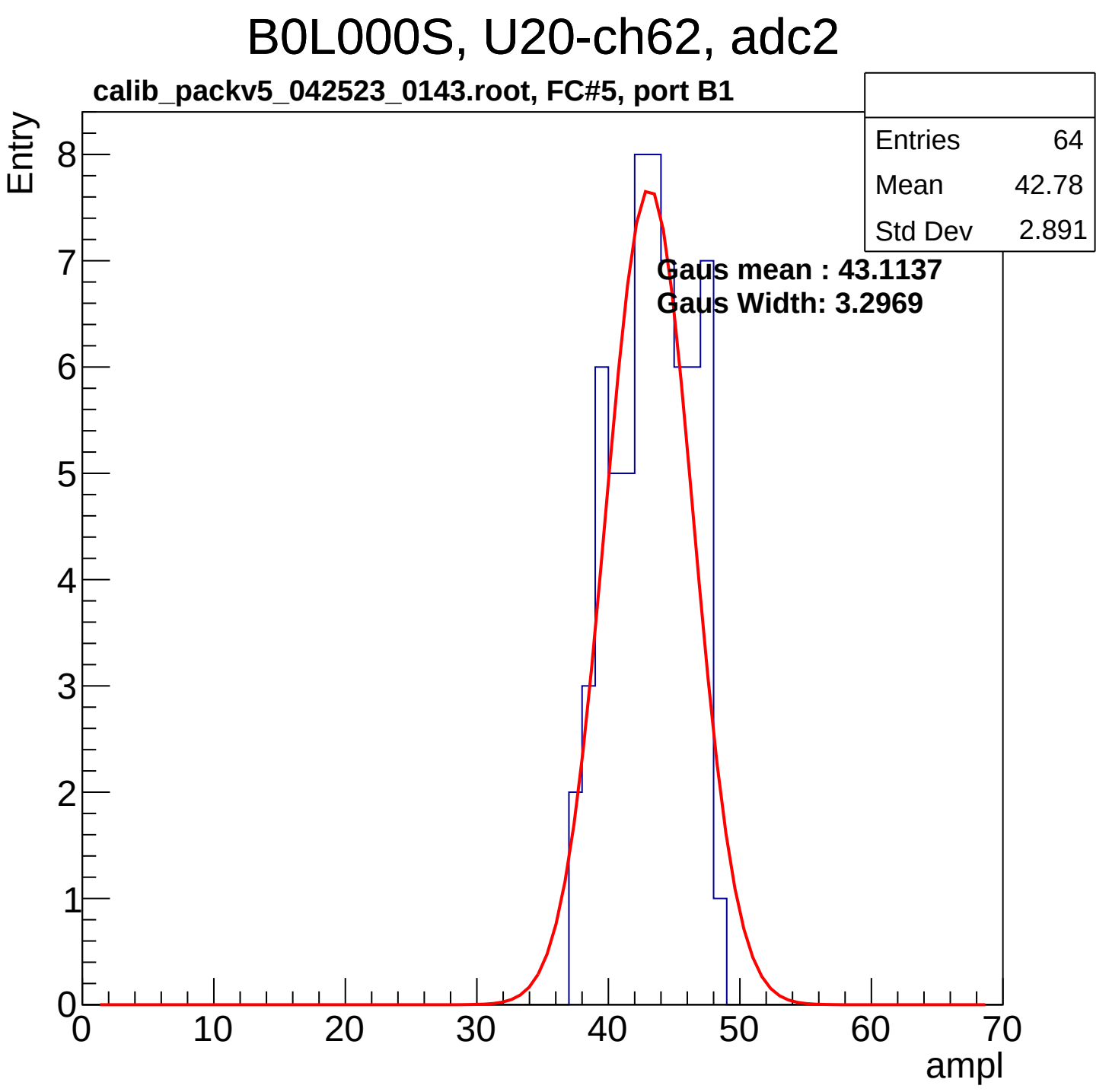
B0L000S, U20-ch62, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 42.78
Std Dev 2.891
Gaus mean : 43.1137
Gaus Width: 3.2969
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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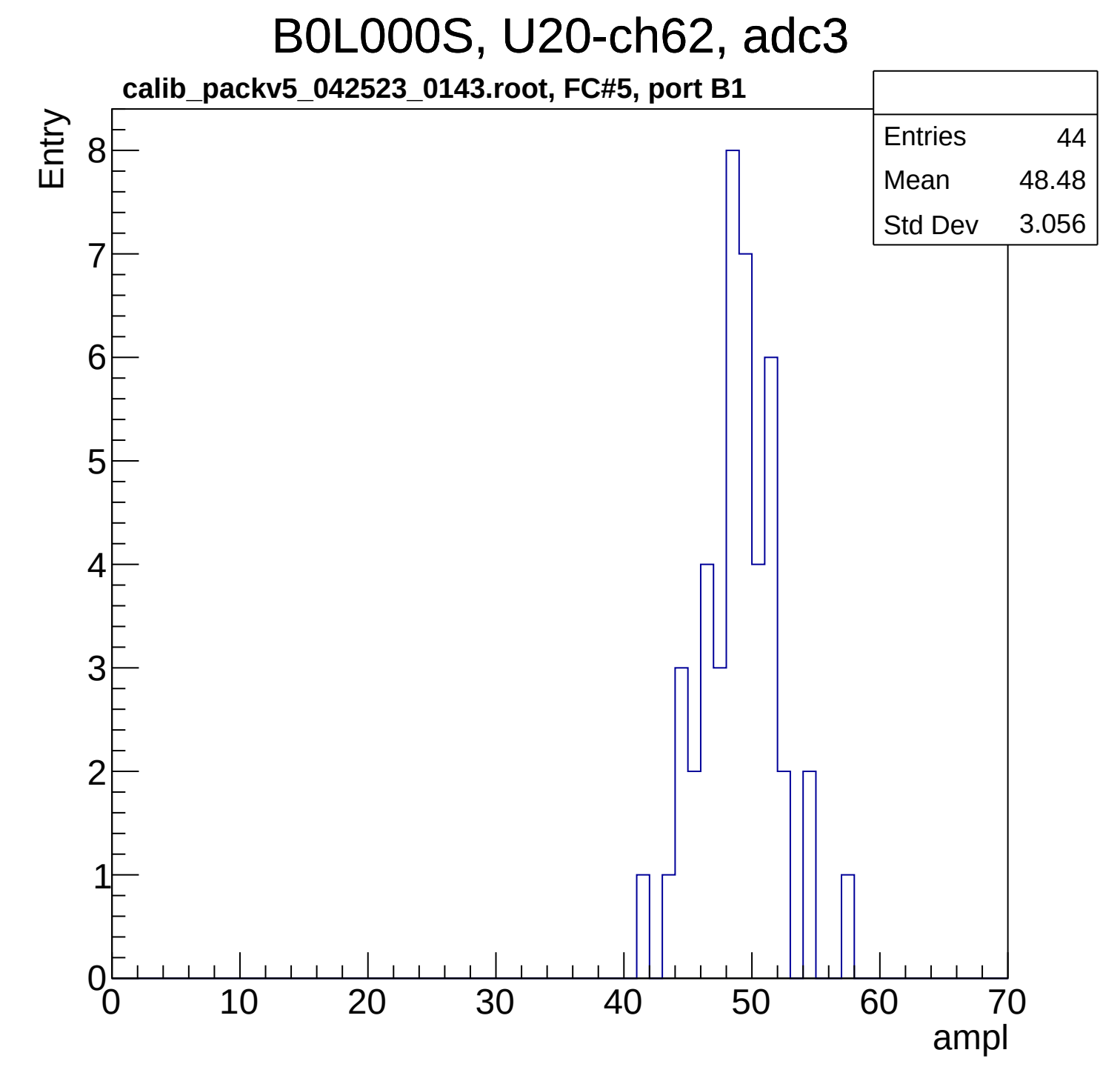
B0L000S, U20-ch62, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 48.48
Std Dev 3.056
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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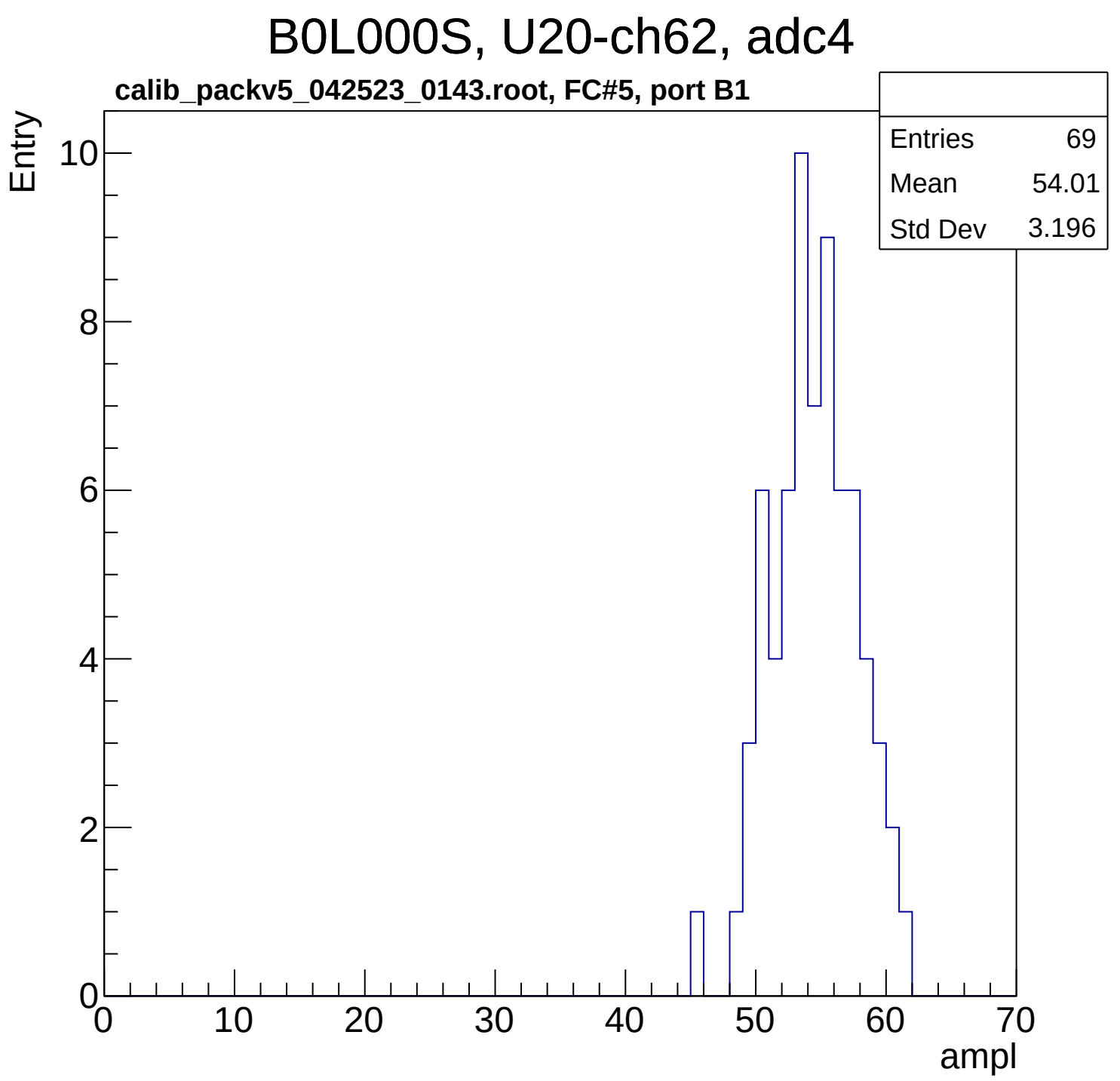
B0L000S, U20-ch62, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 54.01
Std Dev 3.196
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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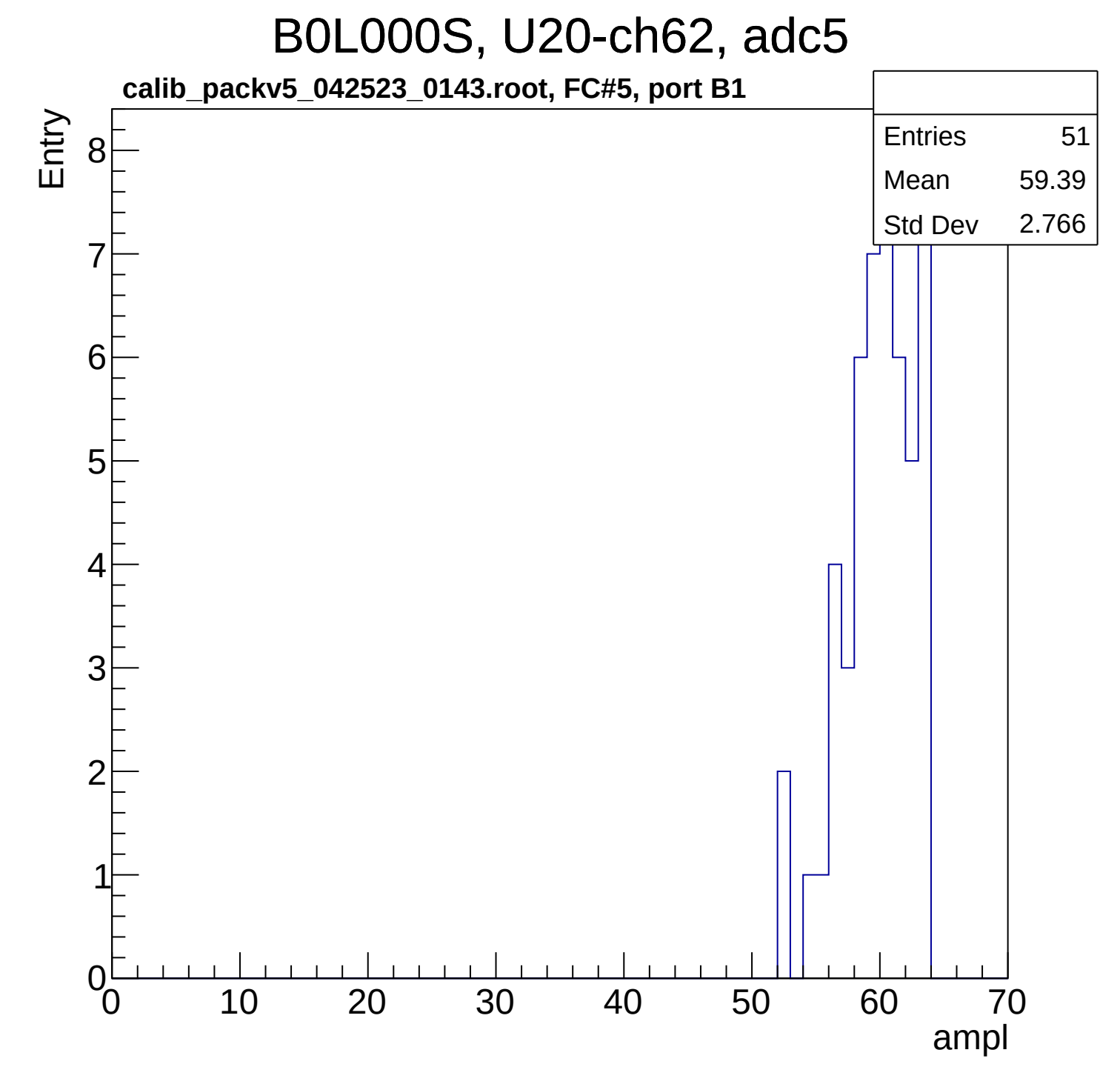
B0L000S, U20-ch62, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 59.39
Std Dev 2.766
Entry
ampl
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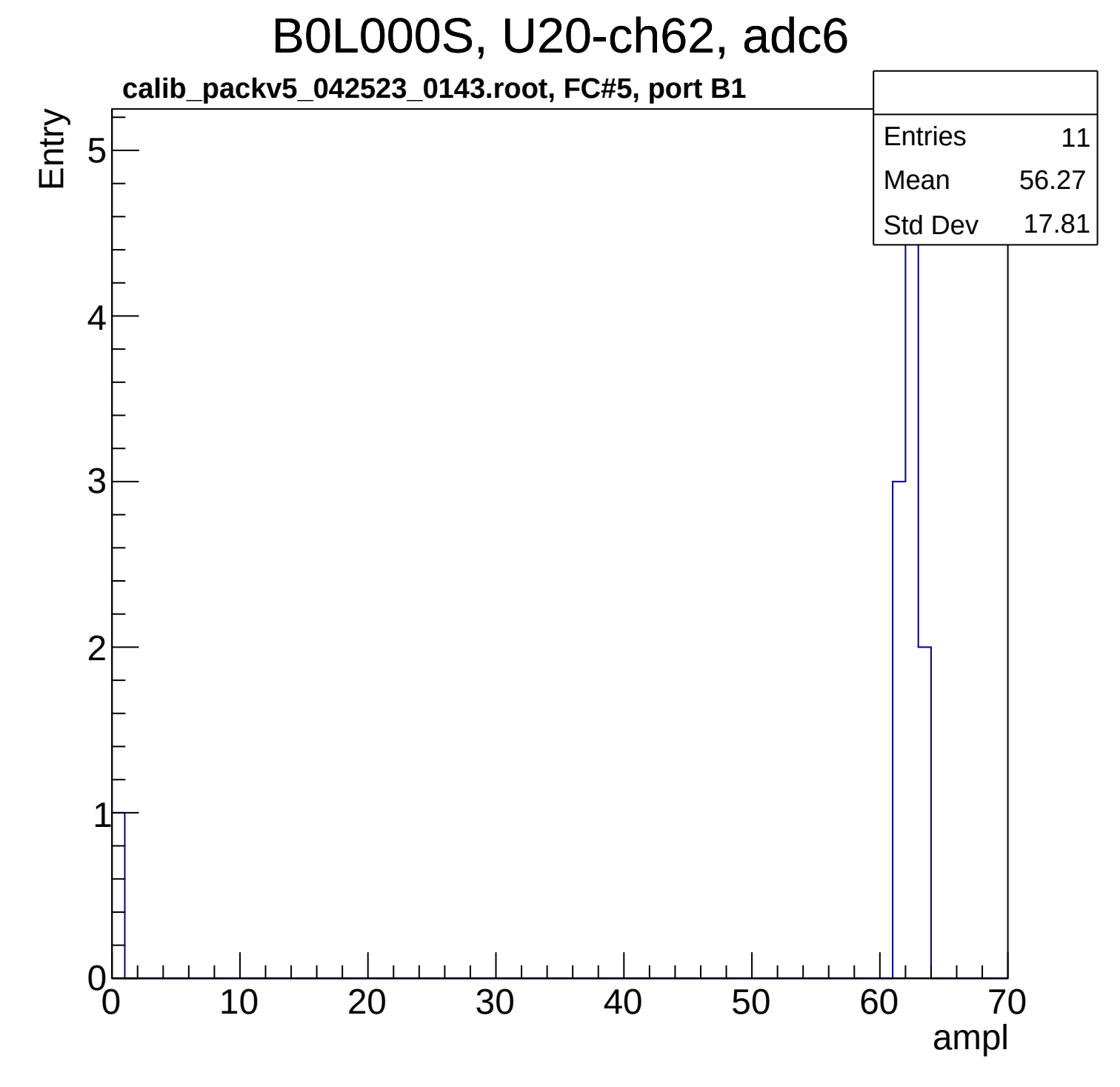
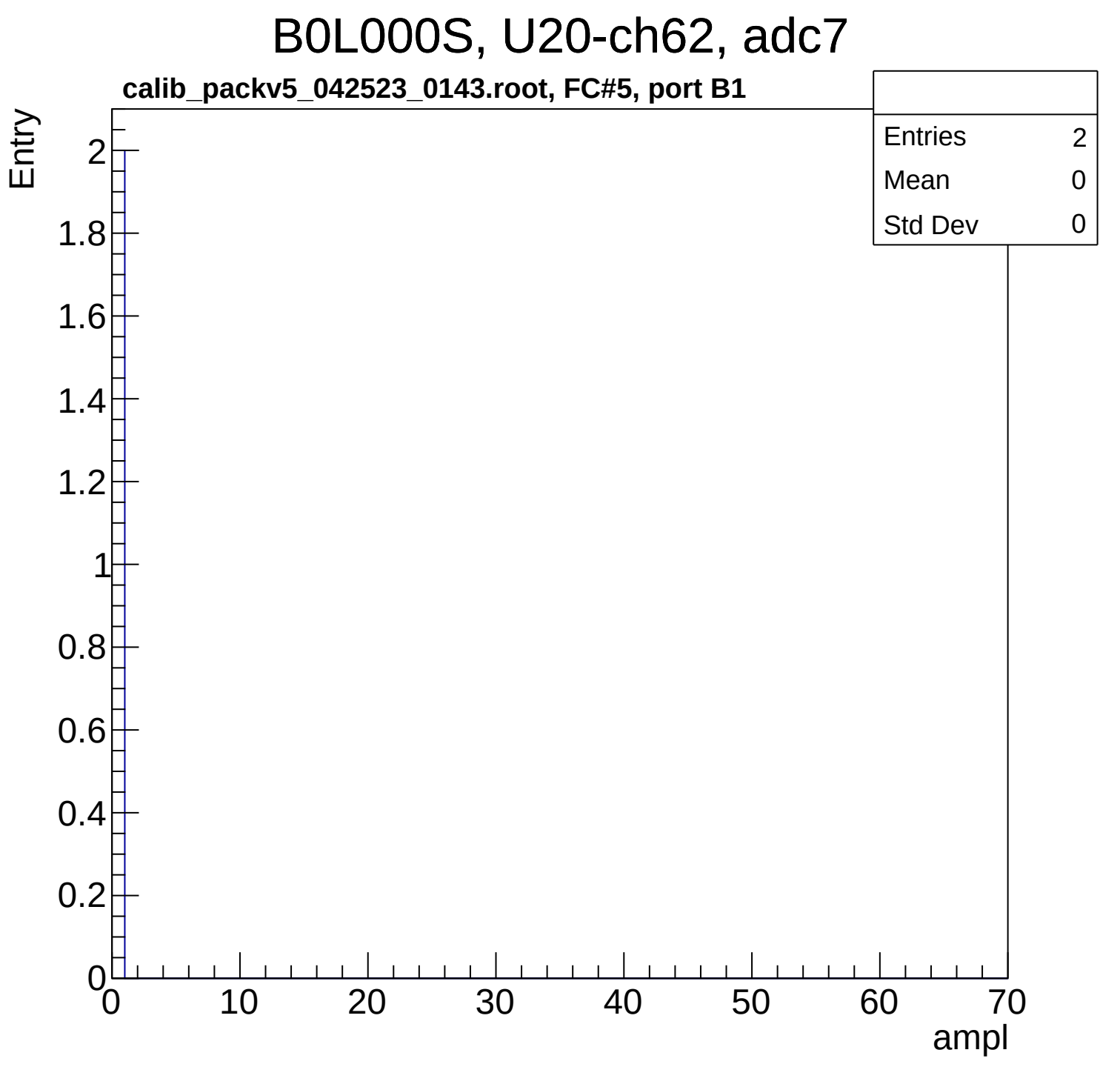
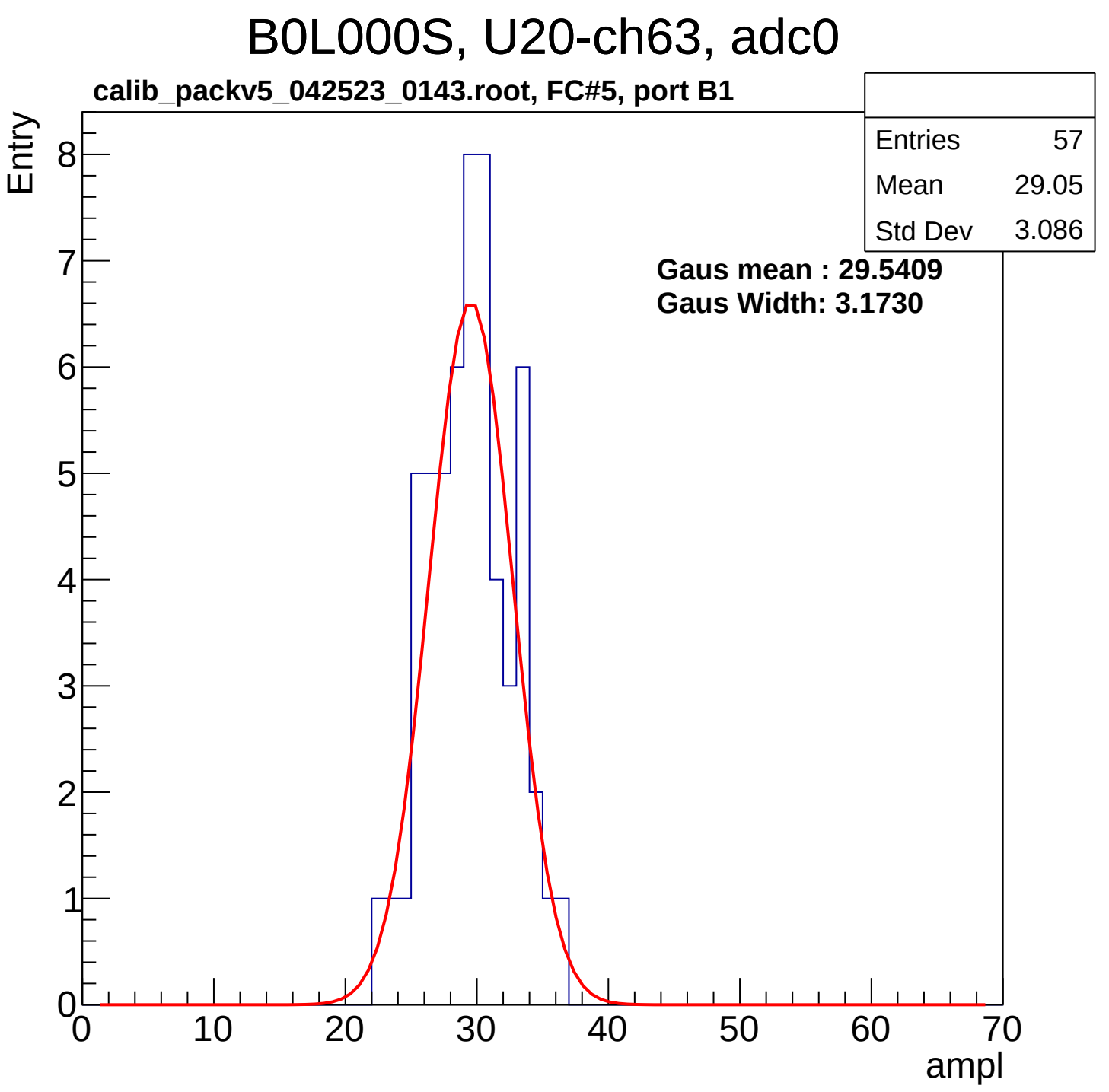
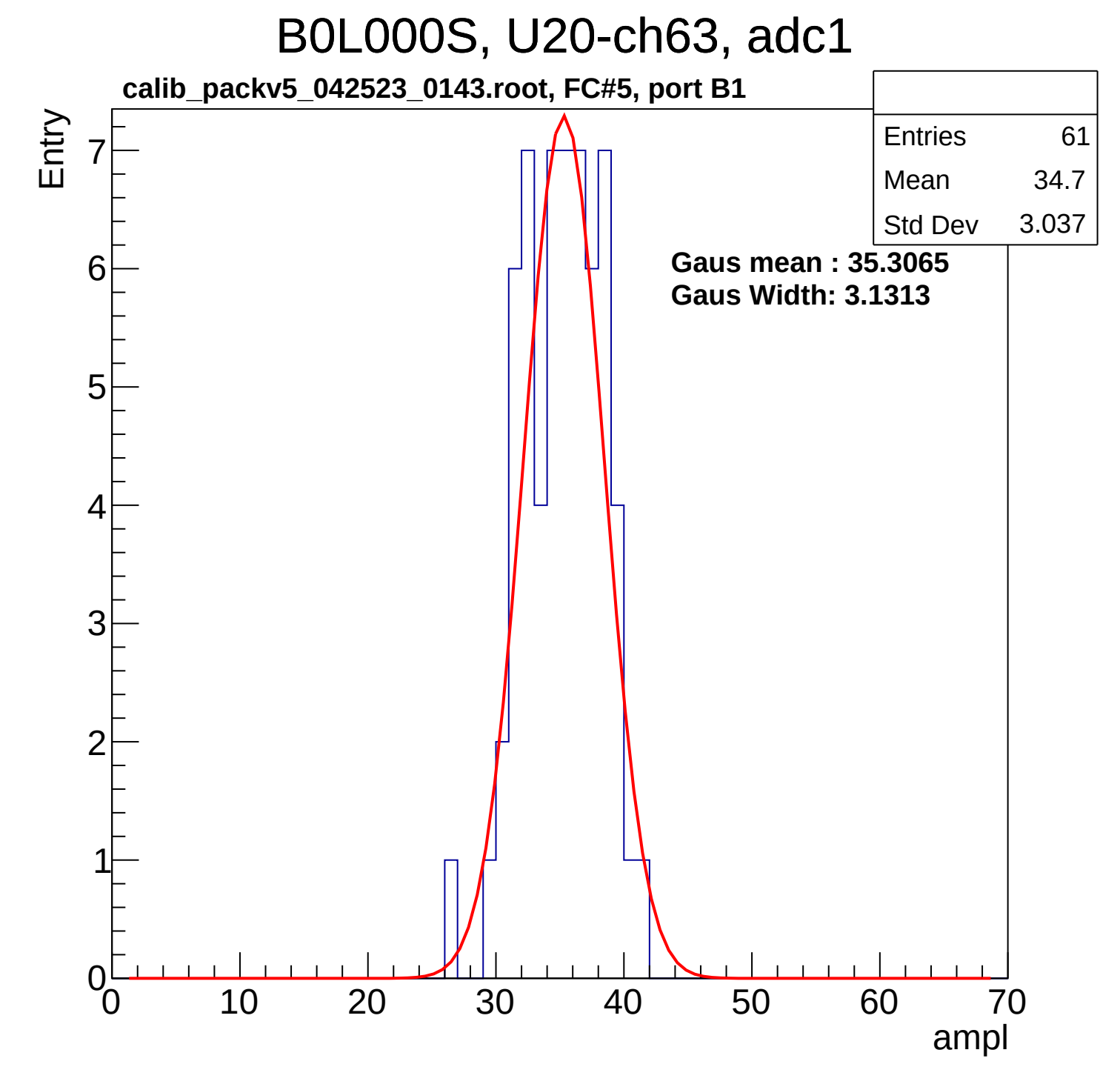
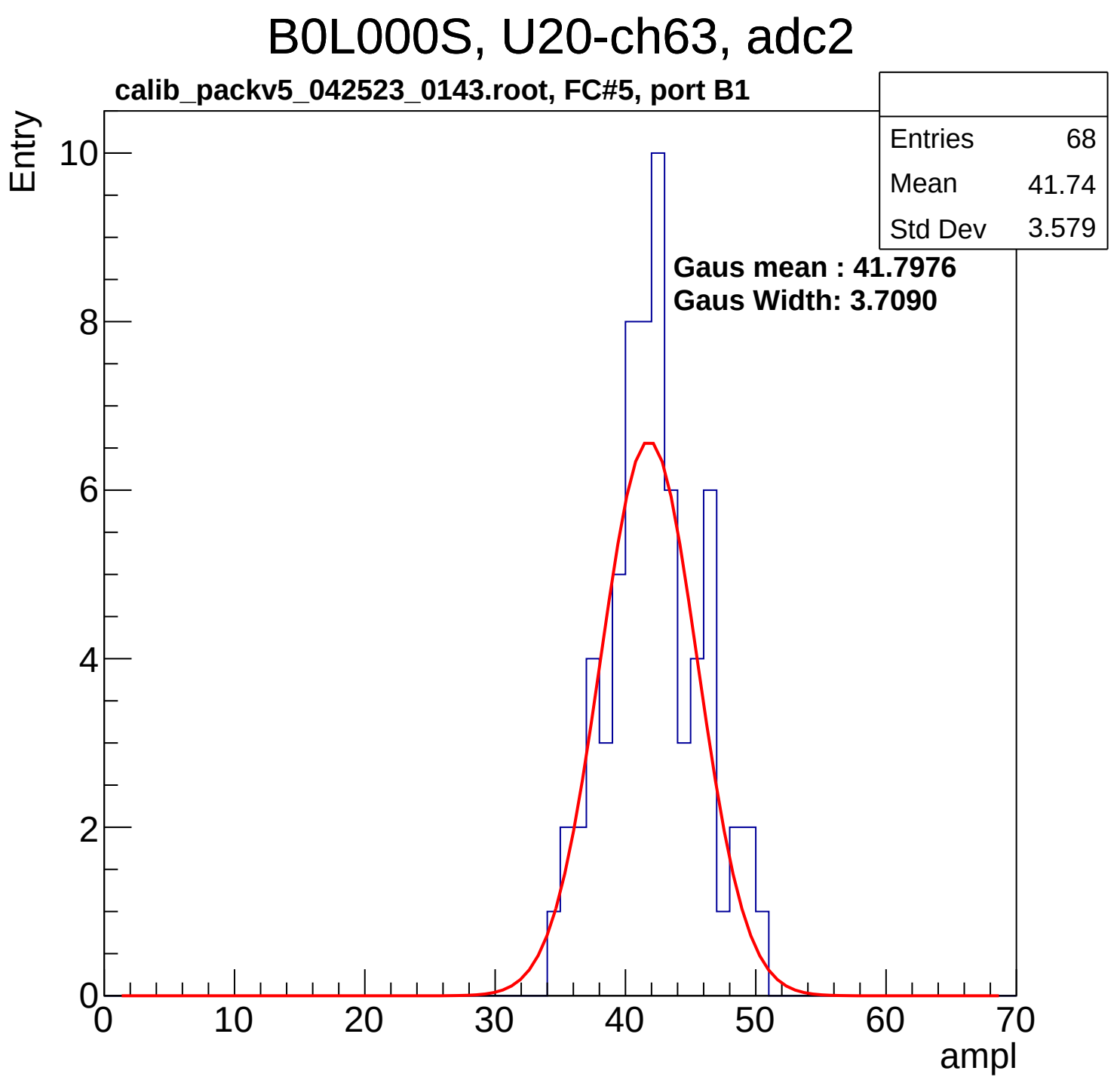
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

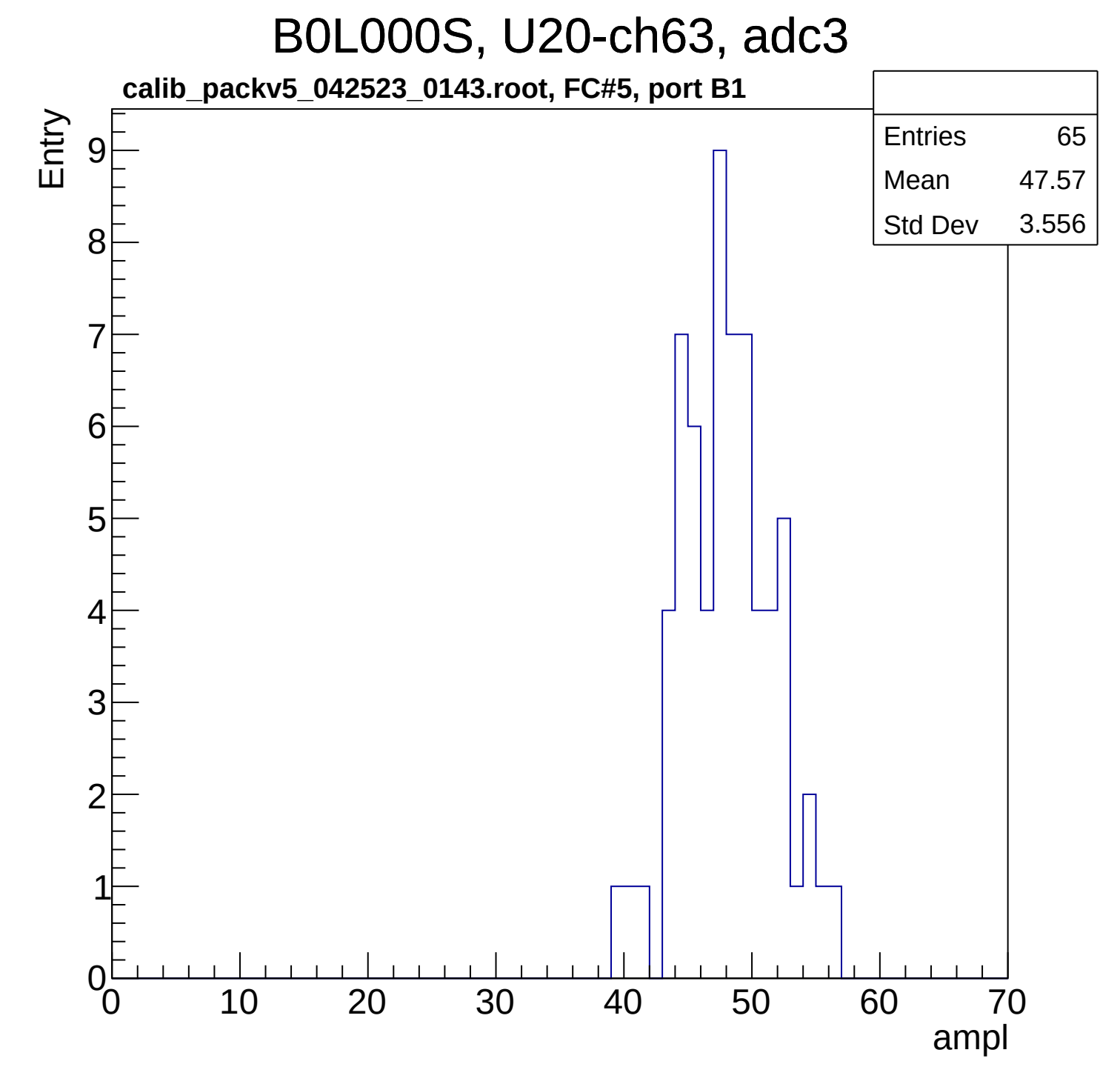

B0L000S, U20-ch62, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 56.27
Std Dev 17.81
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch62, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch63, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 29.05
Std Dev 3.086
Gaus mean : 29.5409
Gaus Width: 3.1730
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 34.7
Std Dev 3.037
Gaus mean : 35.3065
Gaus Width: 3.1313
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 41.74
Std Dev 3.579
Gaus mean : 41.7976
Gaus Width: 3.7090
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 47.57
Std Dev 3.556
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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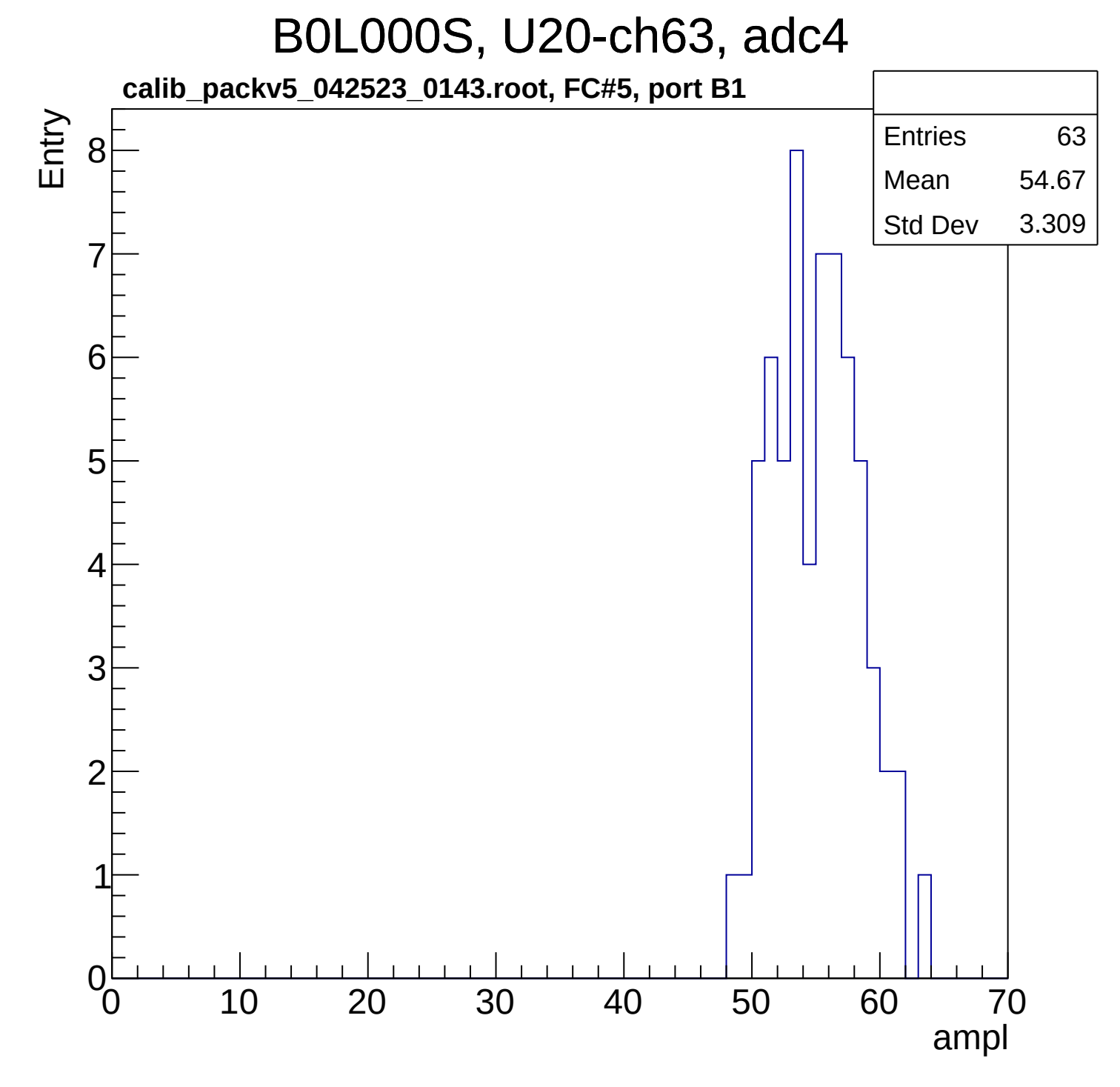
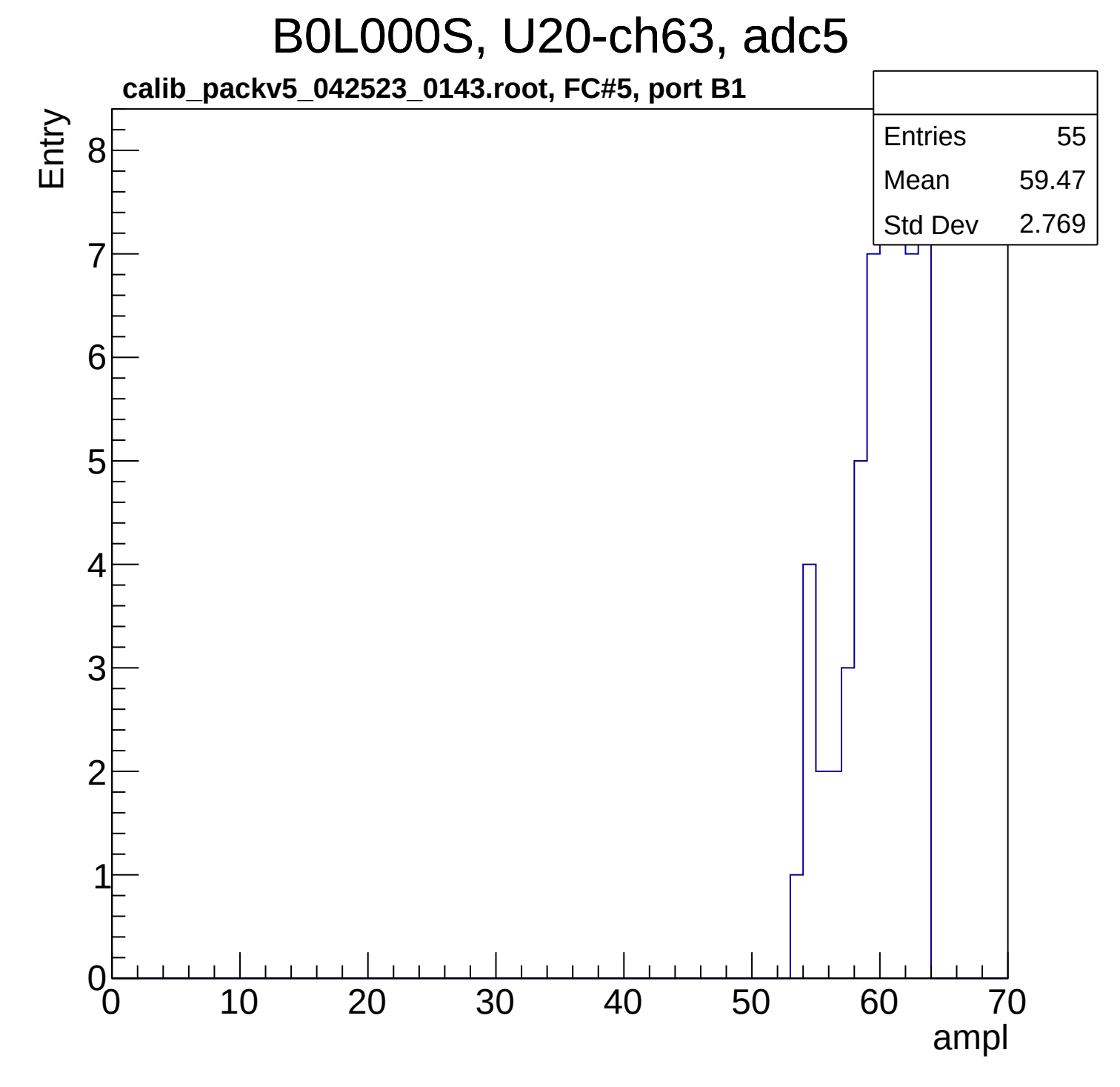
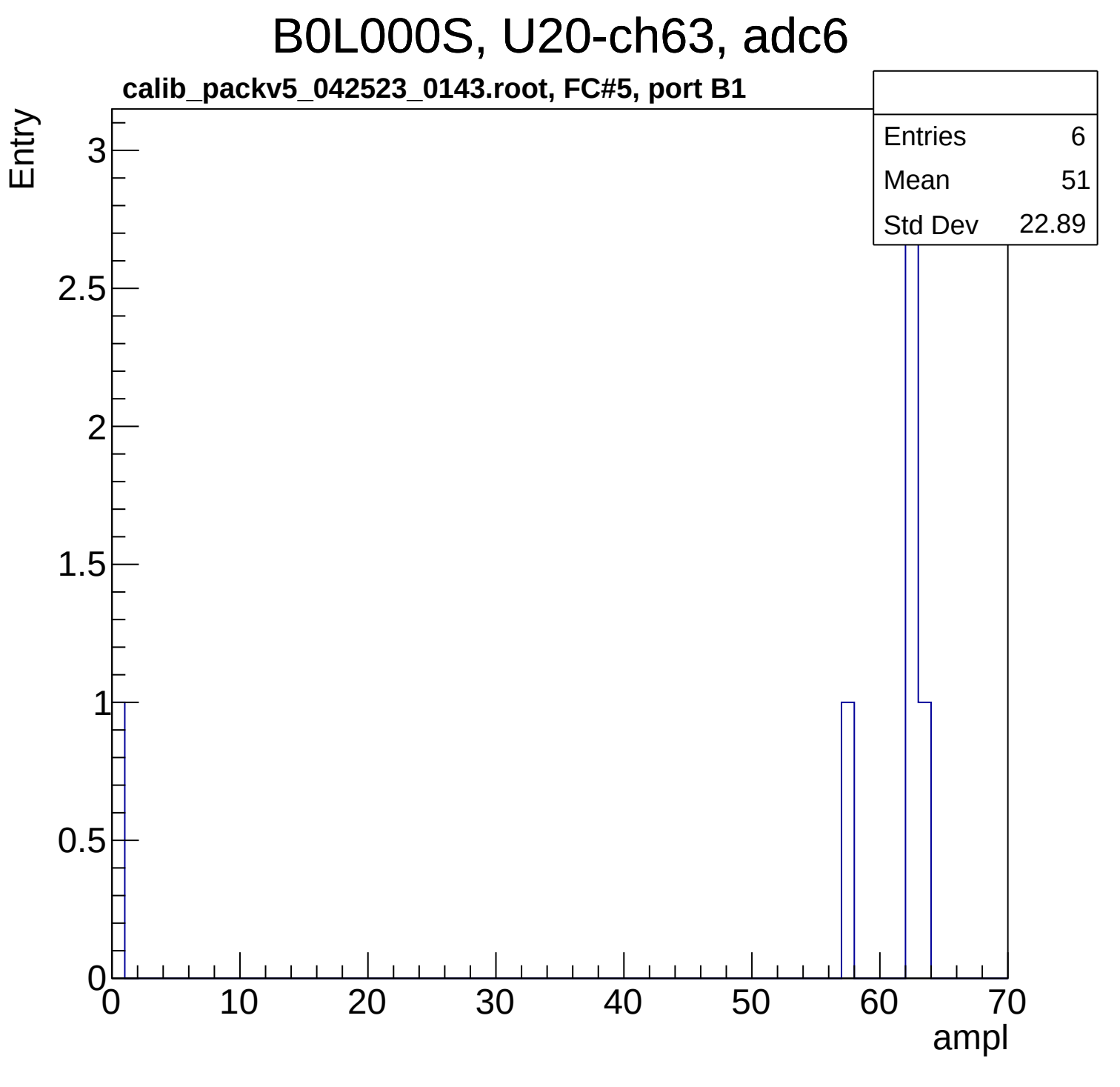

B0L000S, U20-ch63, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 54.67
Std Dev 3.309
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 59.47
Std Dev 2.769
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 51
Std Dev 22.89
Entry
ampl
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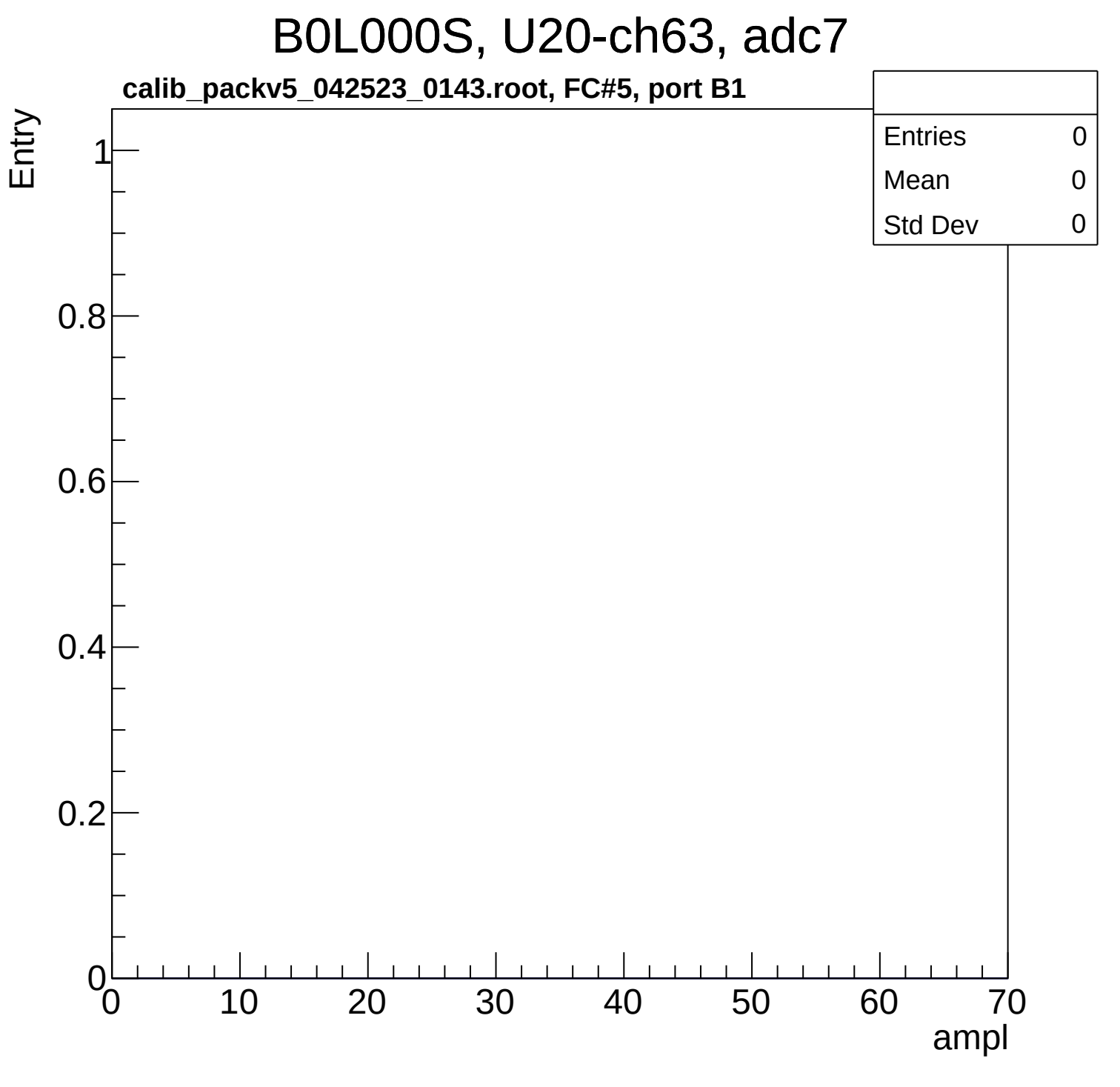
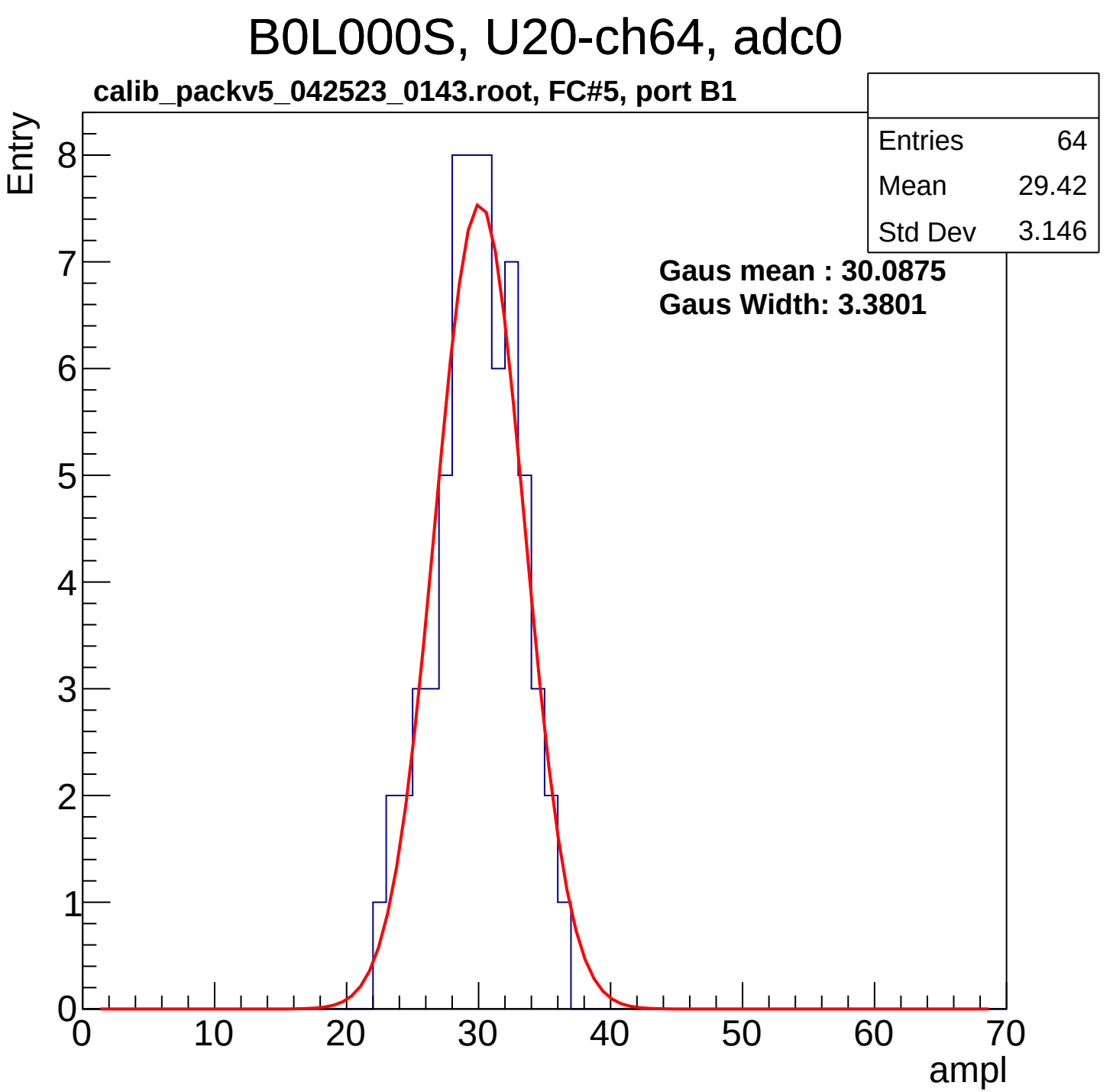
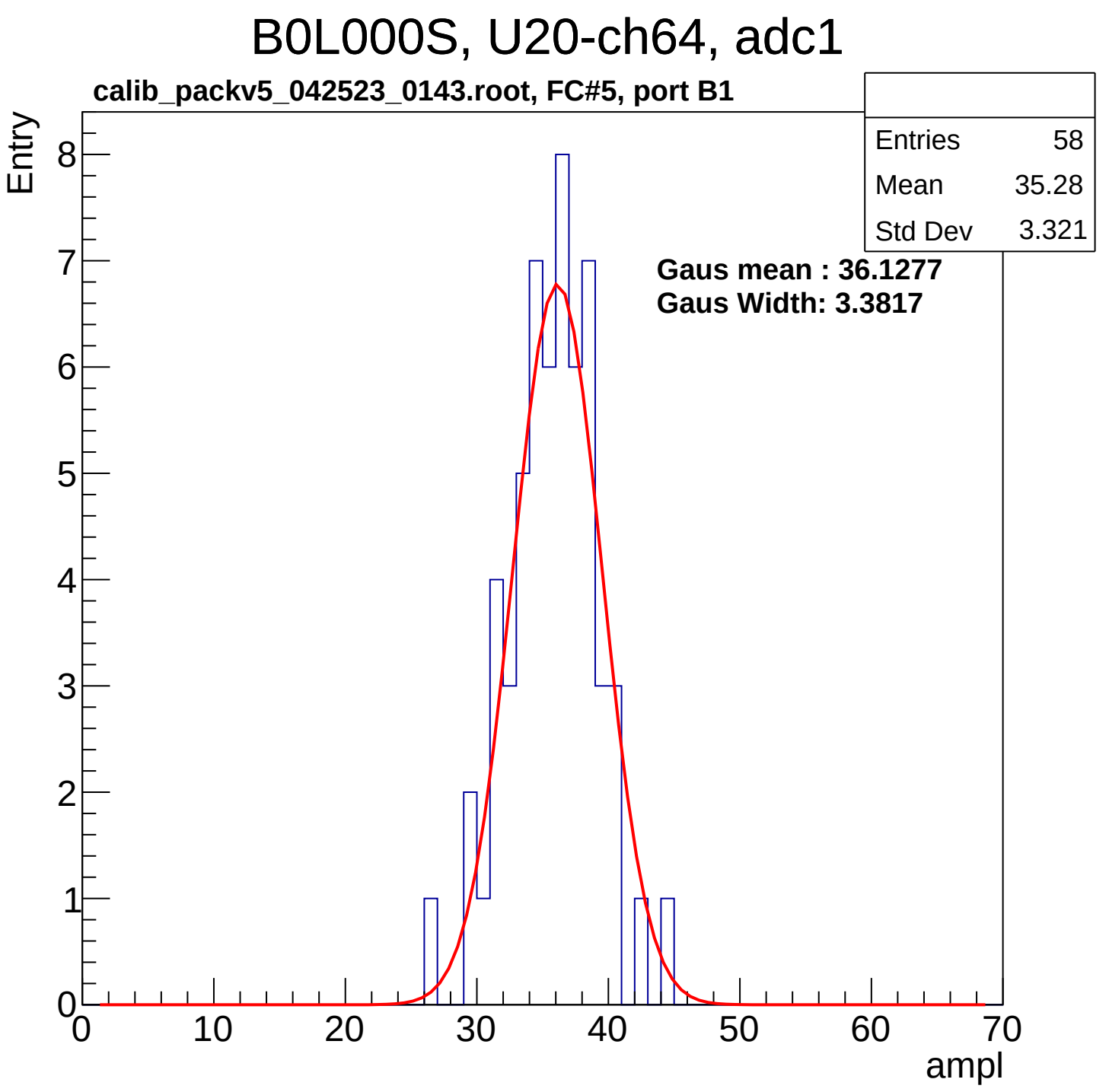
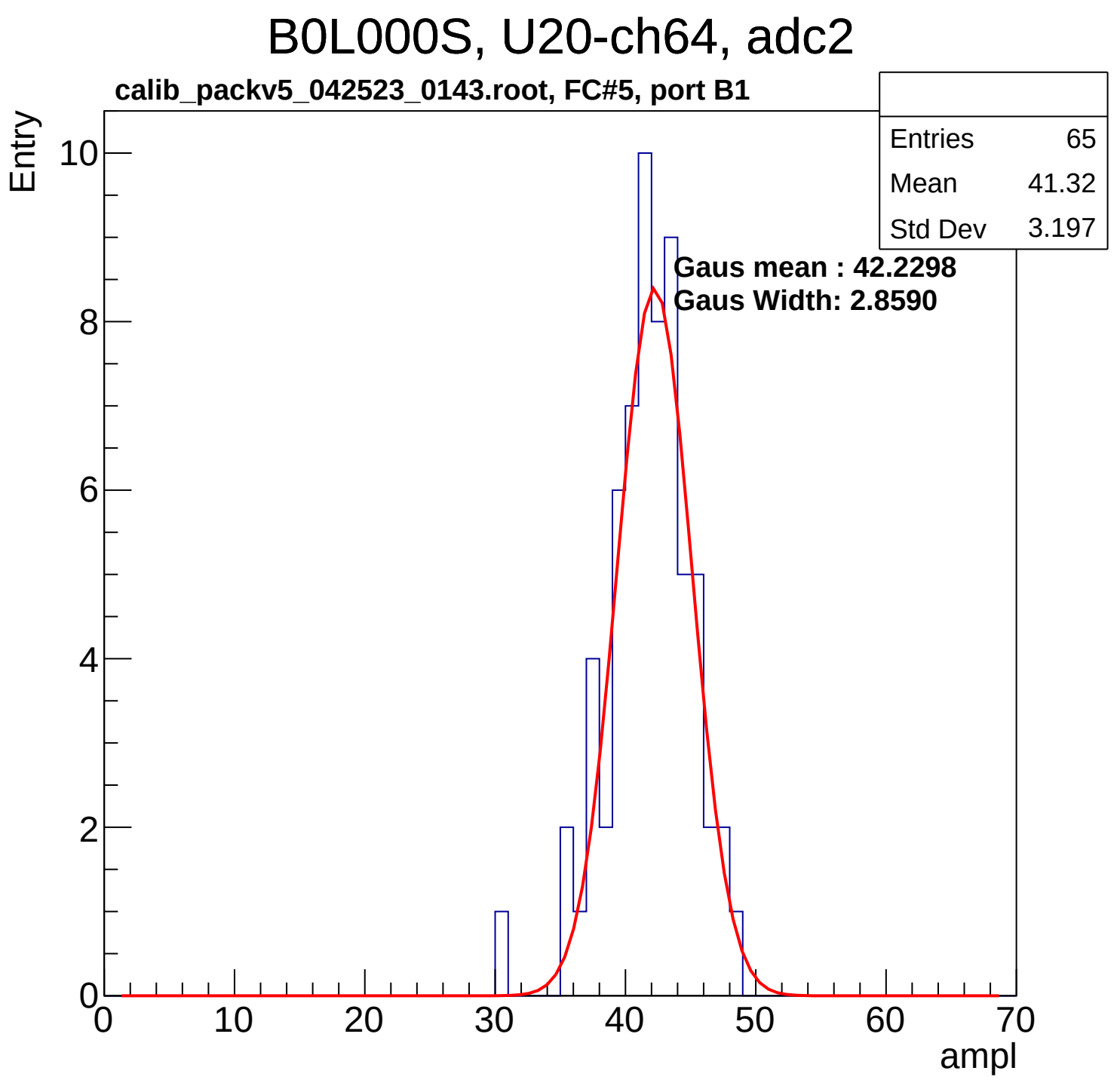
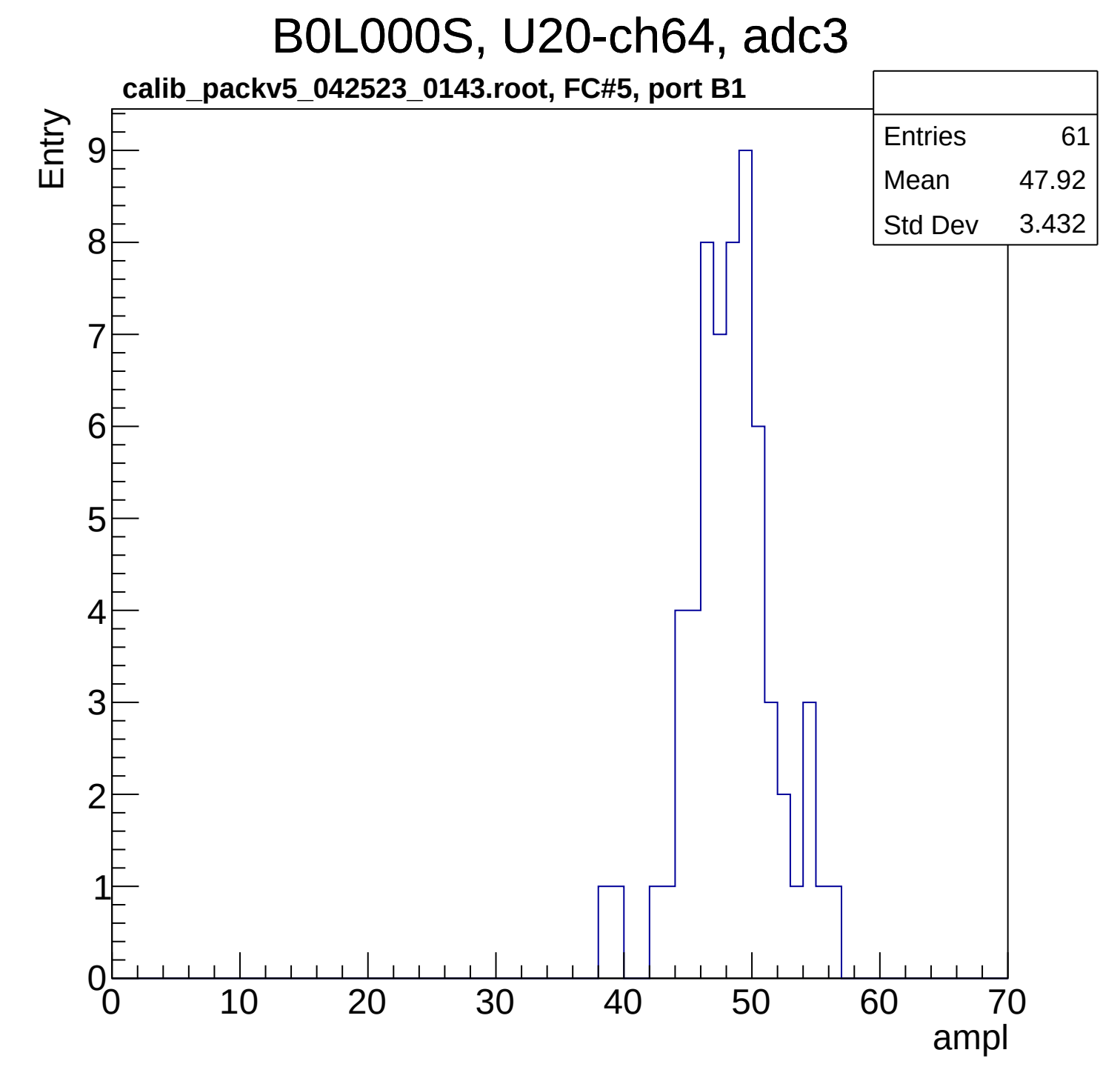
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch63, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch64, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 29.42
Std Dev 3.146
Gaus mean : 30.0875
Gaus Width: 3.3801
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch64, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 35.28
Std Dev 3.321
Gaus mean : 36.1277
Gaus Width: 3.3817
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch64, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 41.32
Std Dev 3.197
Gaus mean : 42.2298
Gaus Width: 2.8590
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch64, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 47.92
Std Dev 3.432
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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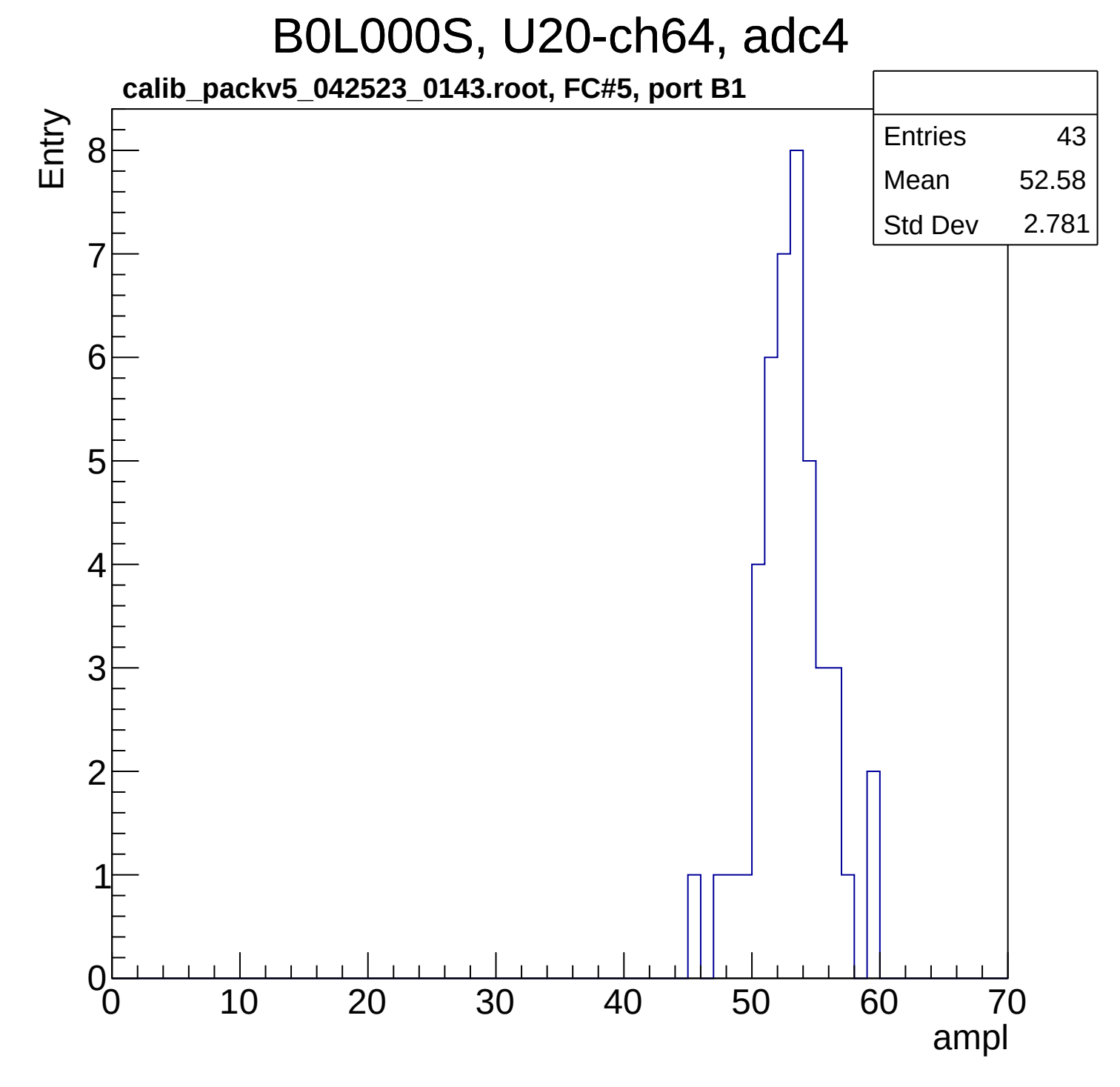
B0L000S, U20-ch64, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 52.58
Std Dev 2.781
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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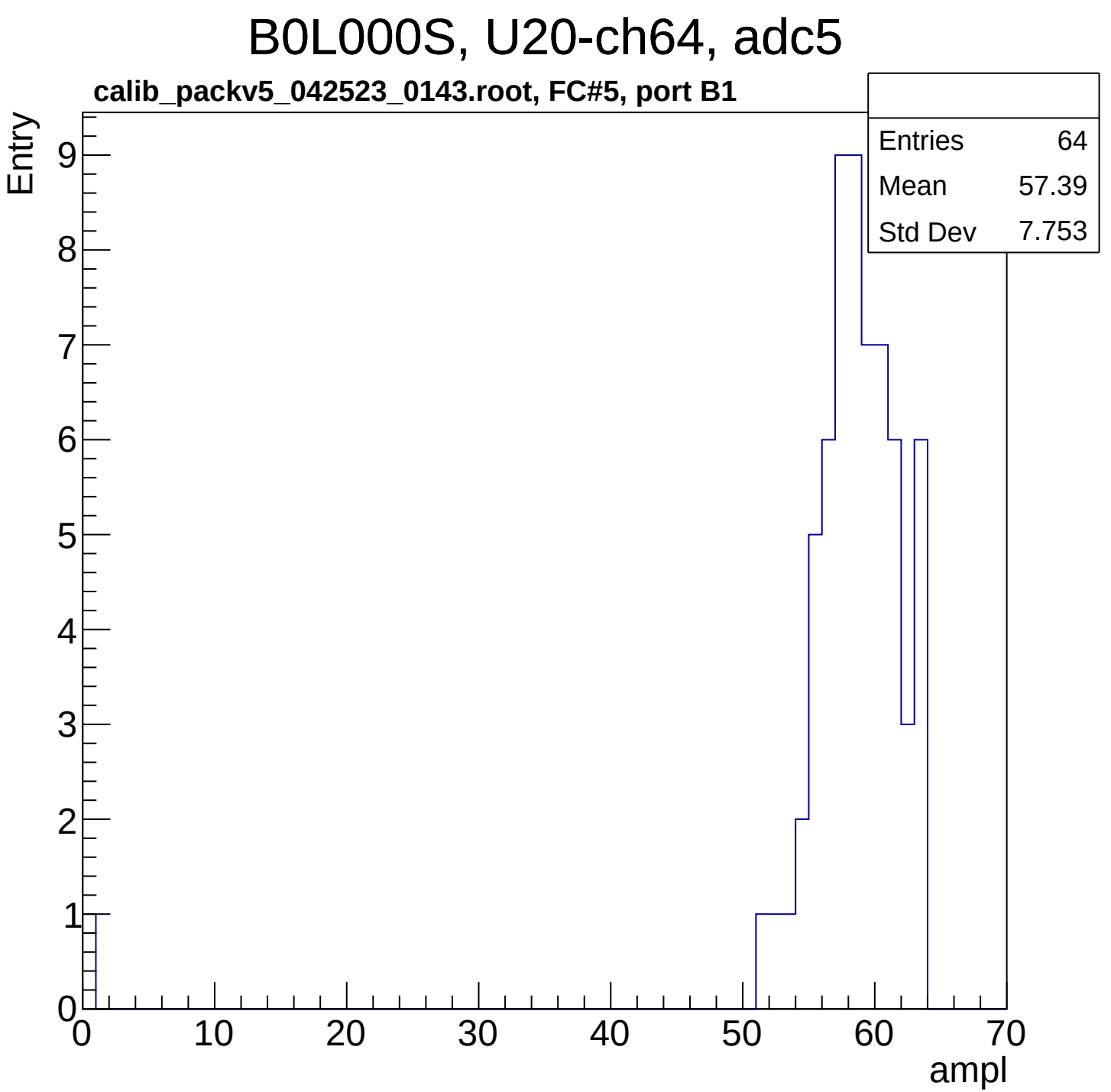
40
50
60
70


B0L000S, U20-ch64, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 57.39
Std Dev 7.753
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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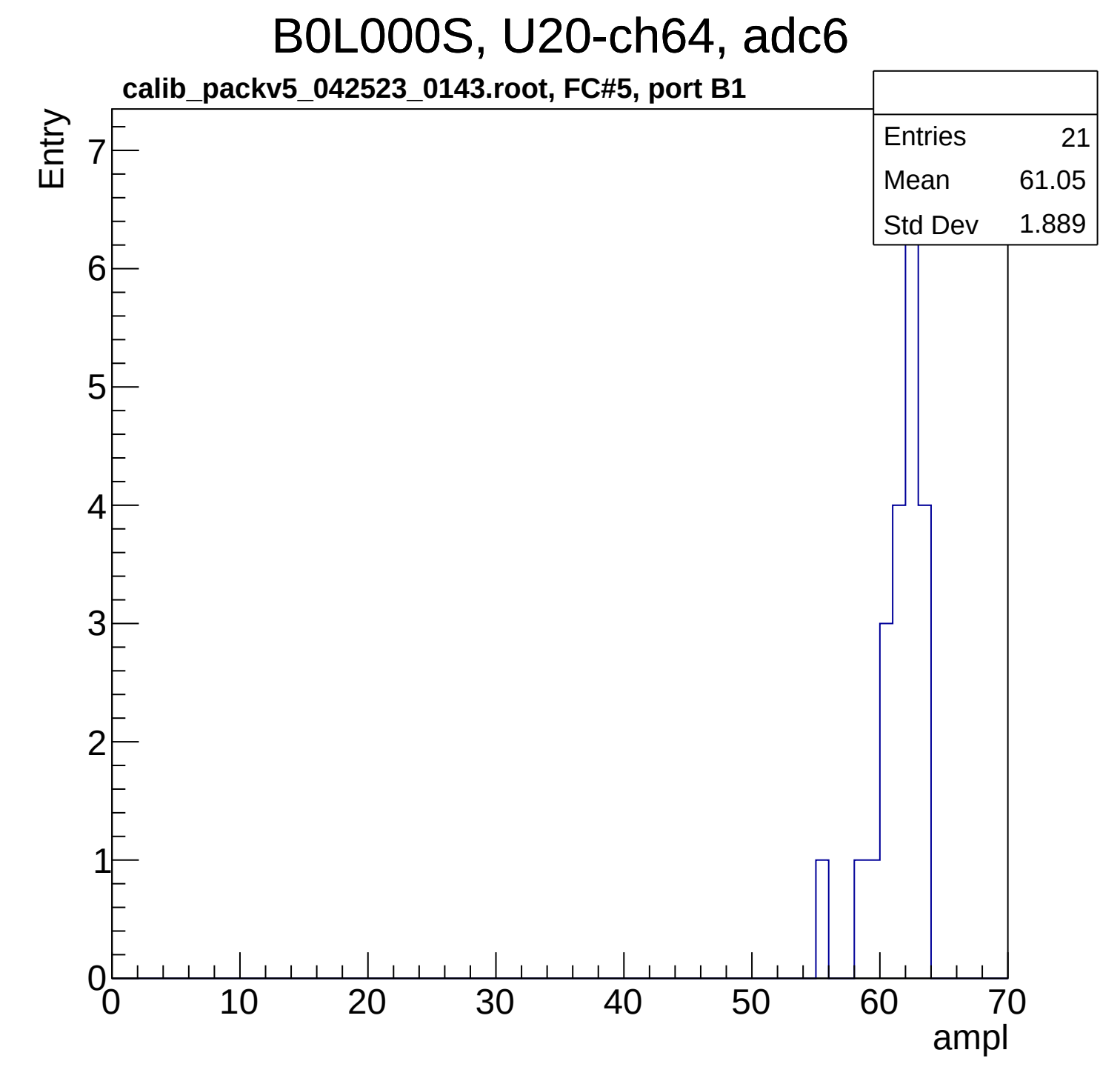
B0L000S, U20-ch64, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 21
Mean 61.05
Std Dev 1.889
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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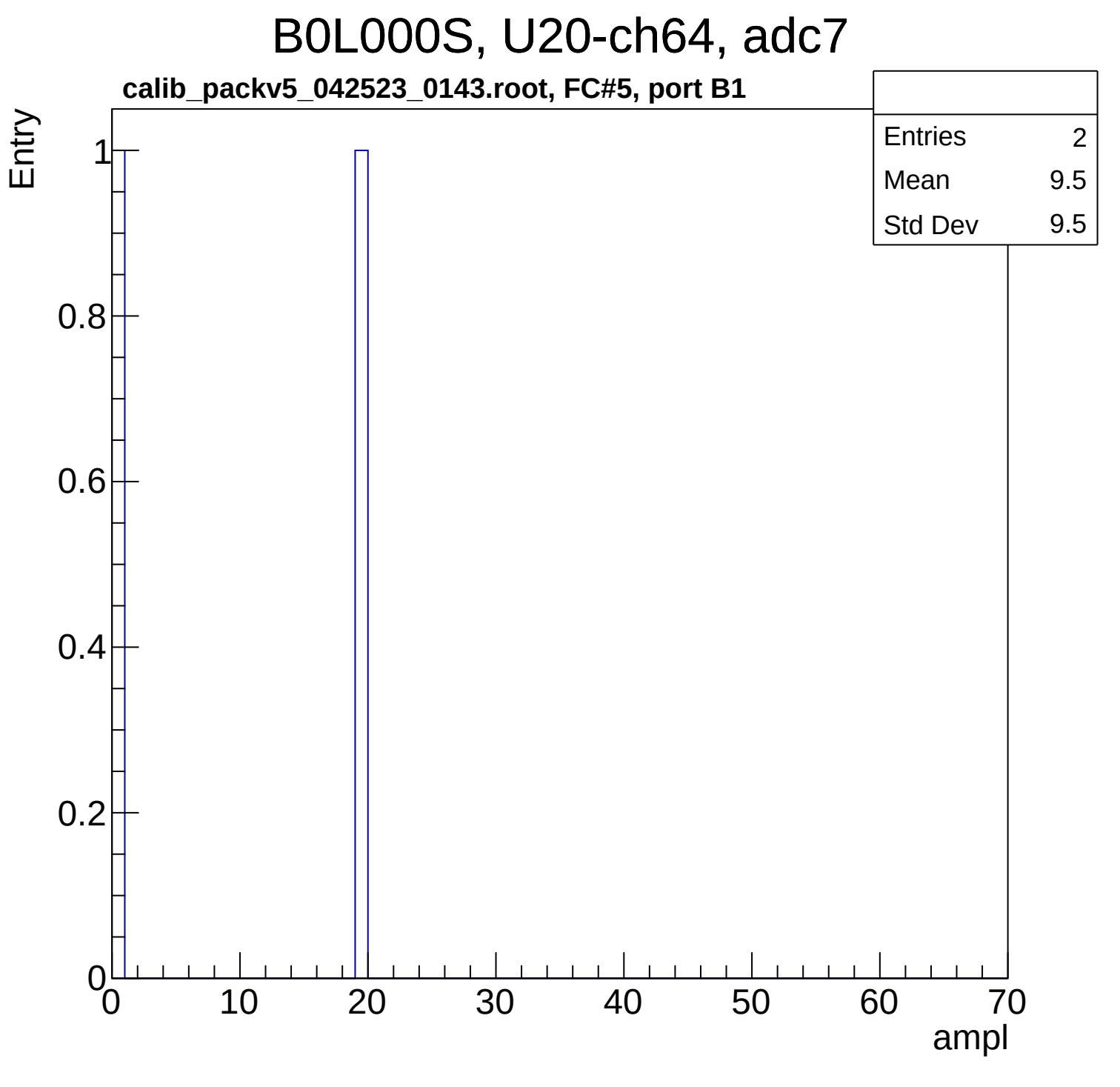
B0L000S, U20-ch64, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 9.5
Std Dev 9.5
Entry
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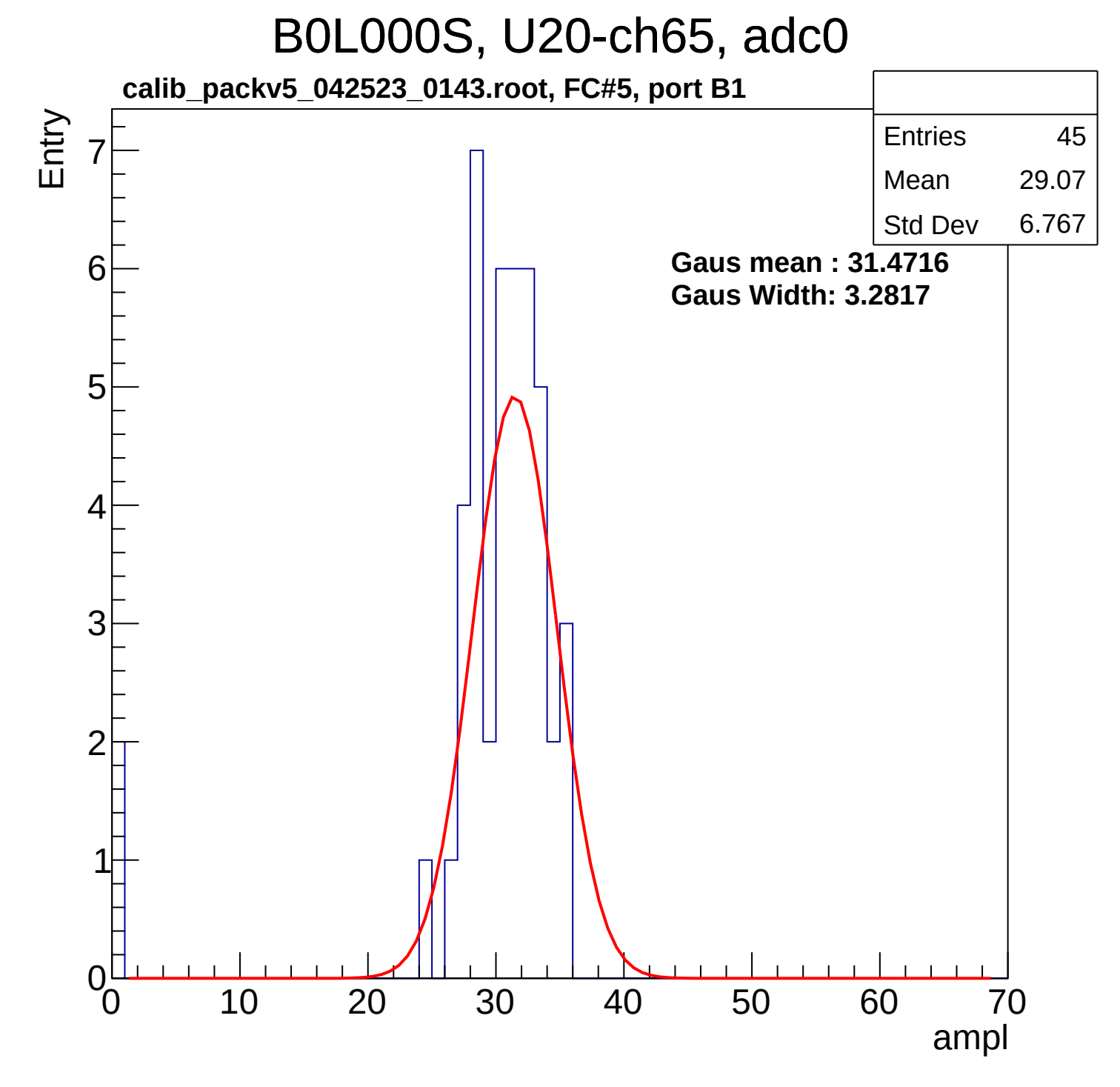
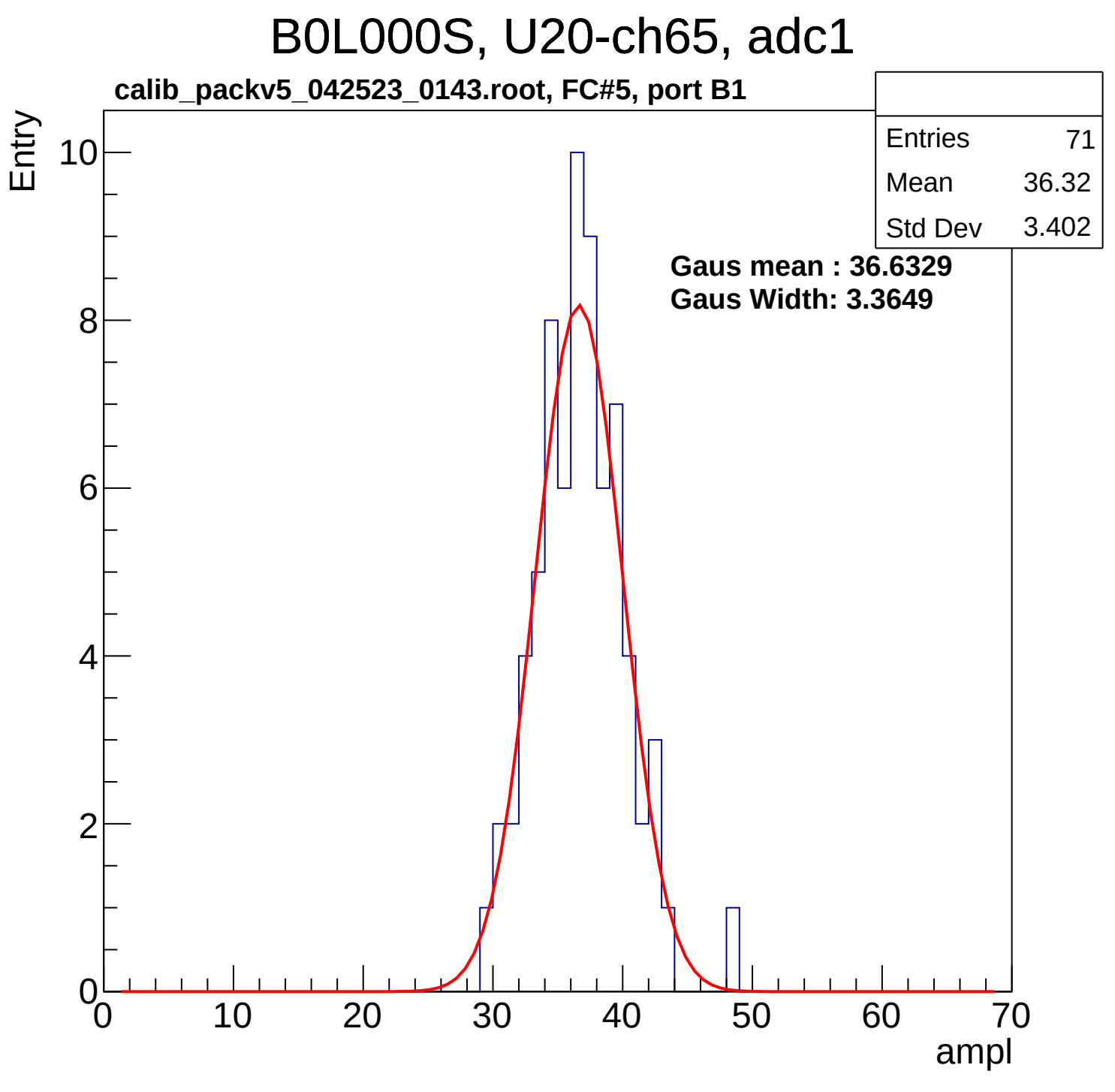
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch65, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 29.07
Std Dev 6.767
Gaus mean : 31.4716
Gaus Width: 3.2817
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch65, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 36.32
Std Dev 3.402
Gaus mean : 36.6329
Gaus Width: 3.3649
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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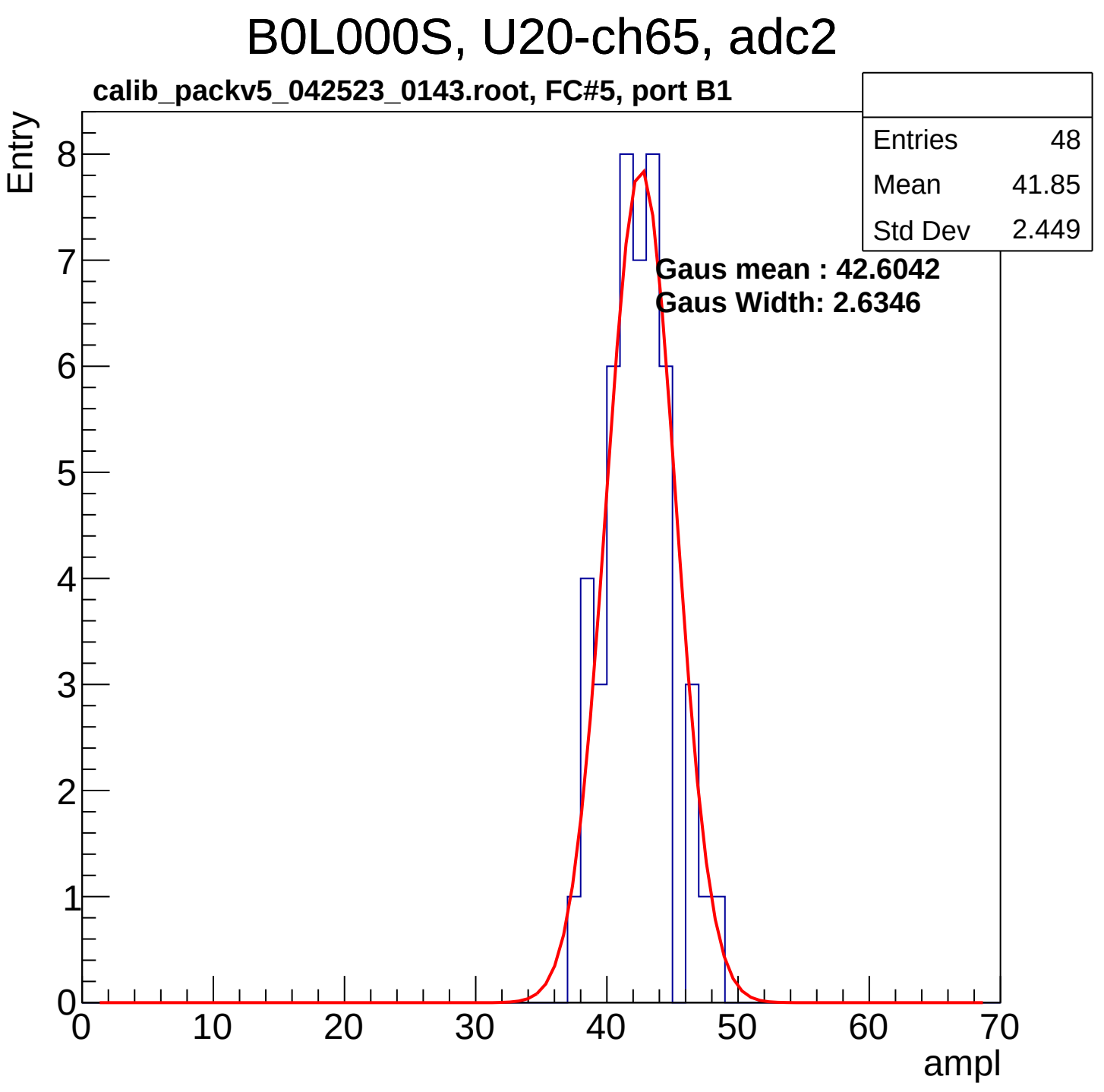
B0L000S, U20-ch65, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 41.85
Std Dev 2.449
Gaus mean : 42.6042
Gaus Width: 2.6346
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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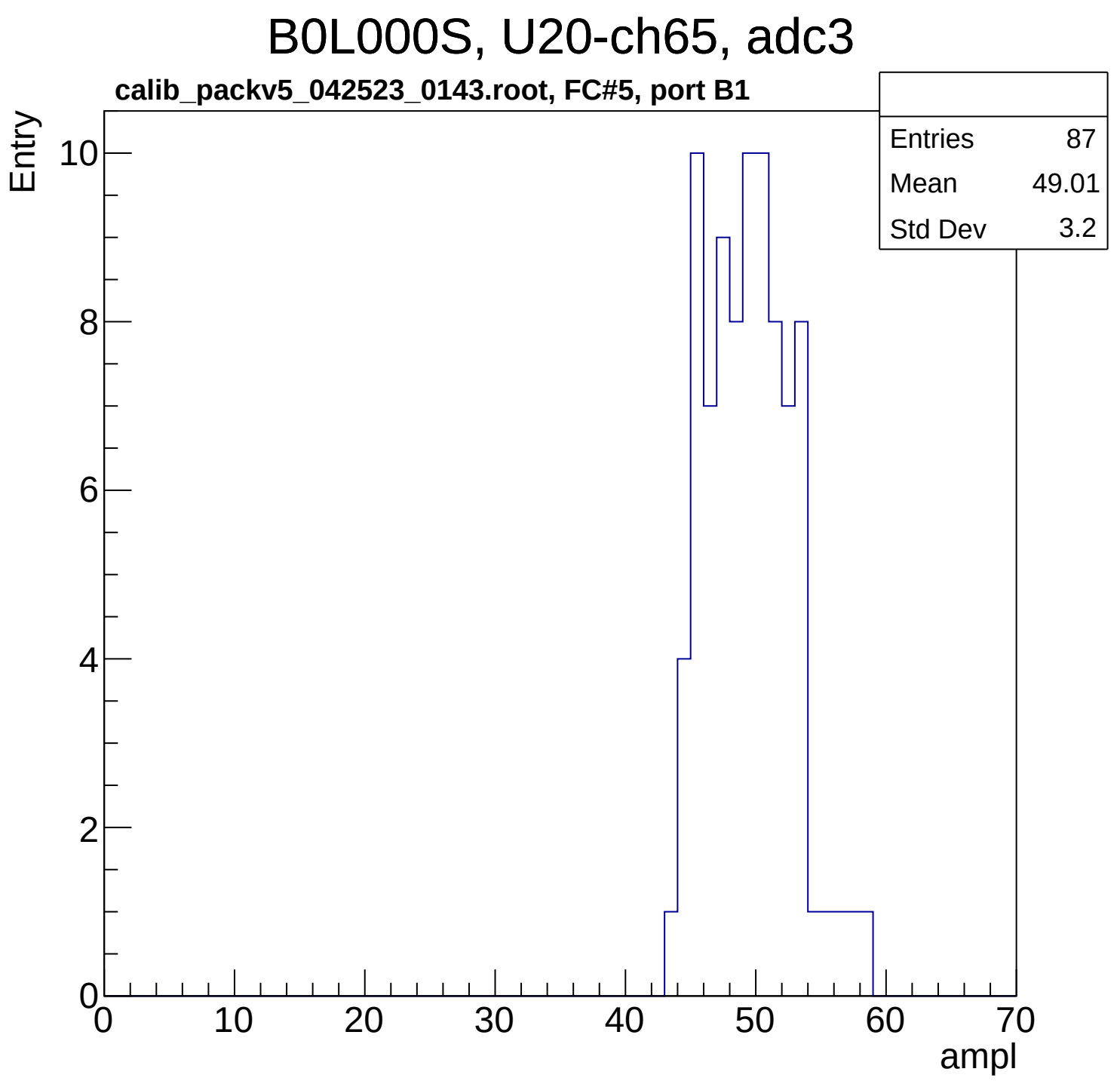
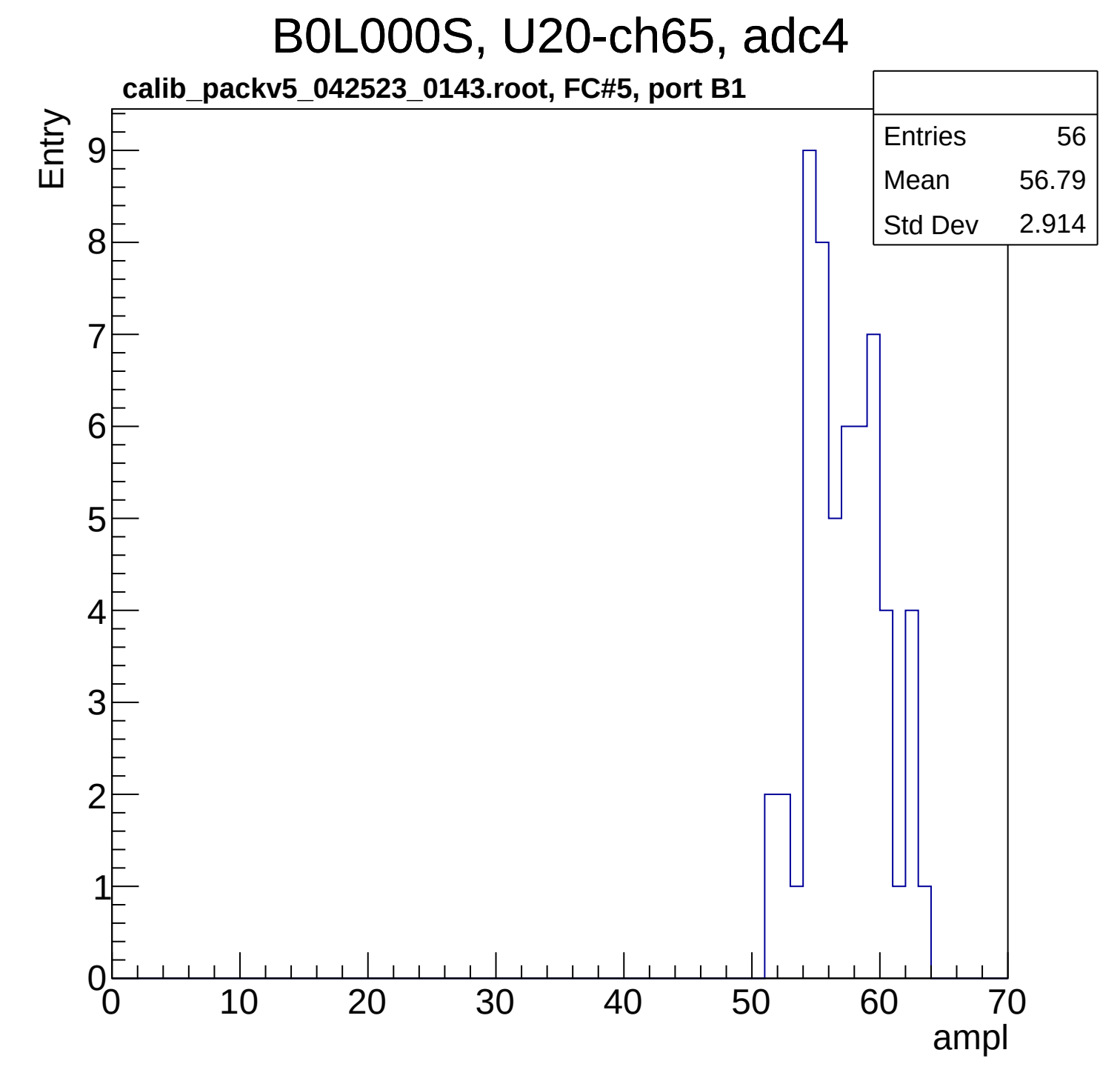

B0L000S, U20-ch65, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 87
Mean 49.01
Std Dev 3.2
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch65, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 56.79
Std Dev 2.914
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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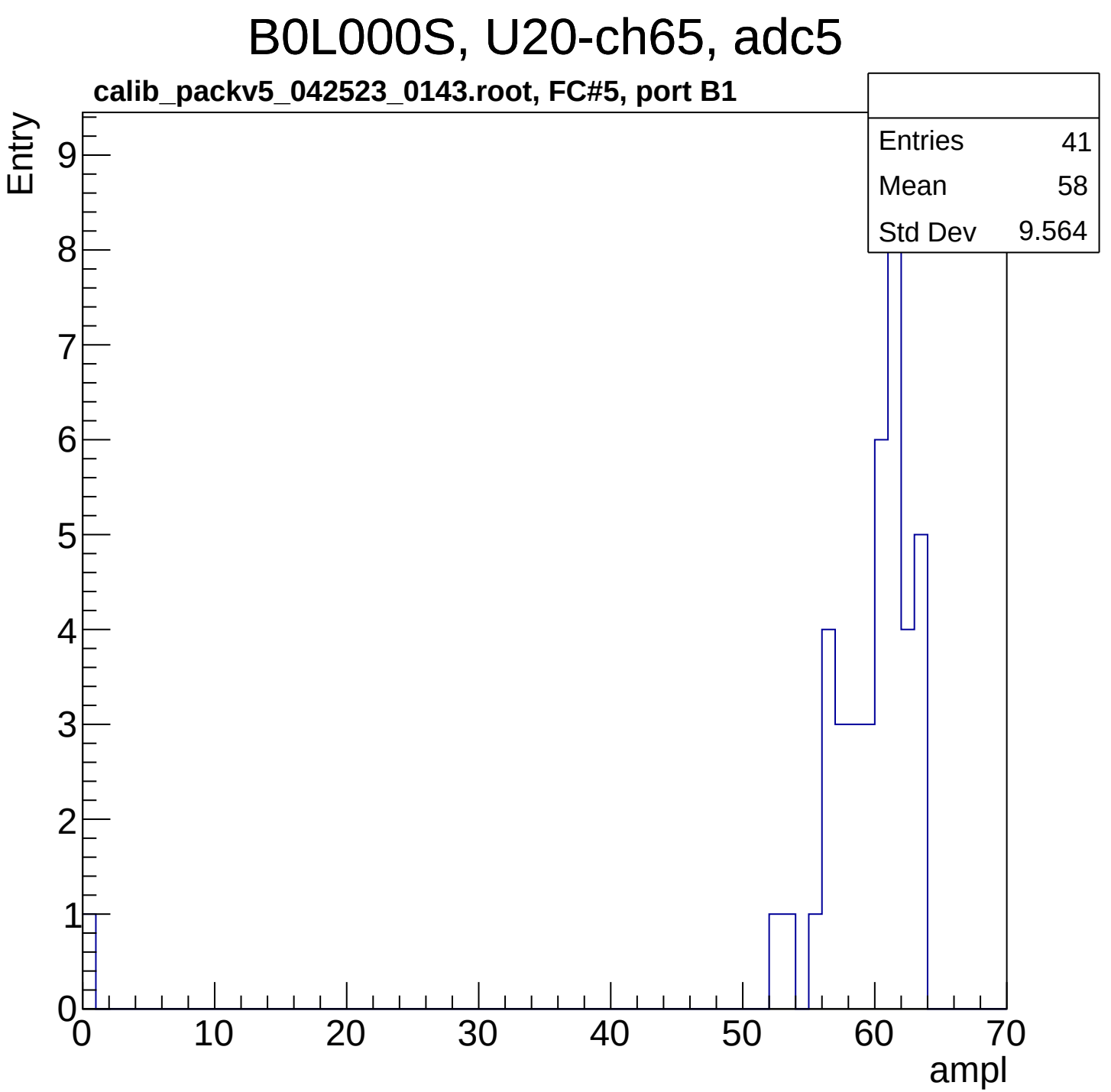
B0L000S, U20-ch65, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 58
Std Dev 9.564
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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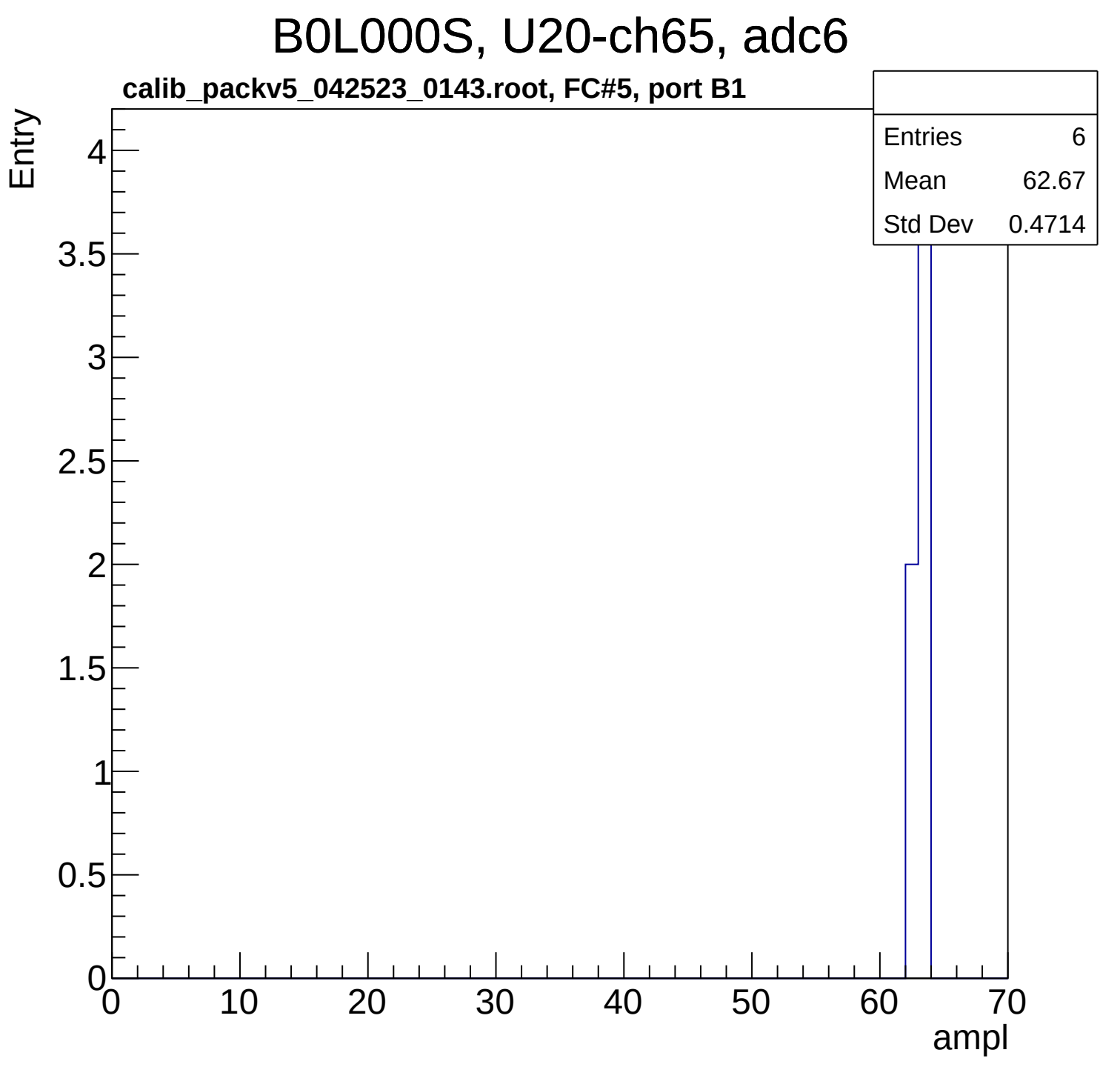
B0L000S, U20-ch65, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 62.67
Std Dev 0.4714
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
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40
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60
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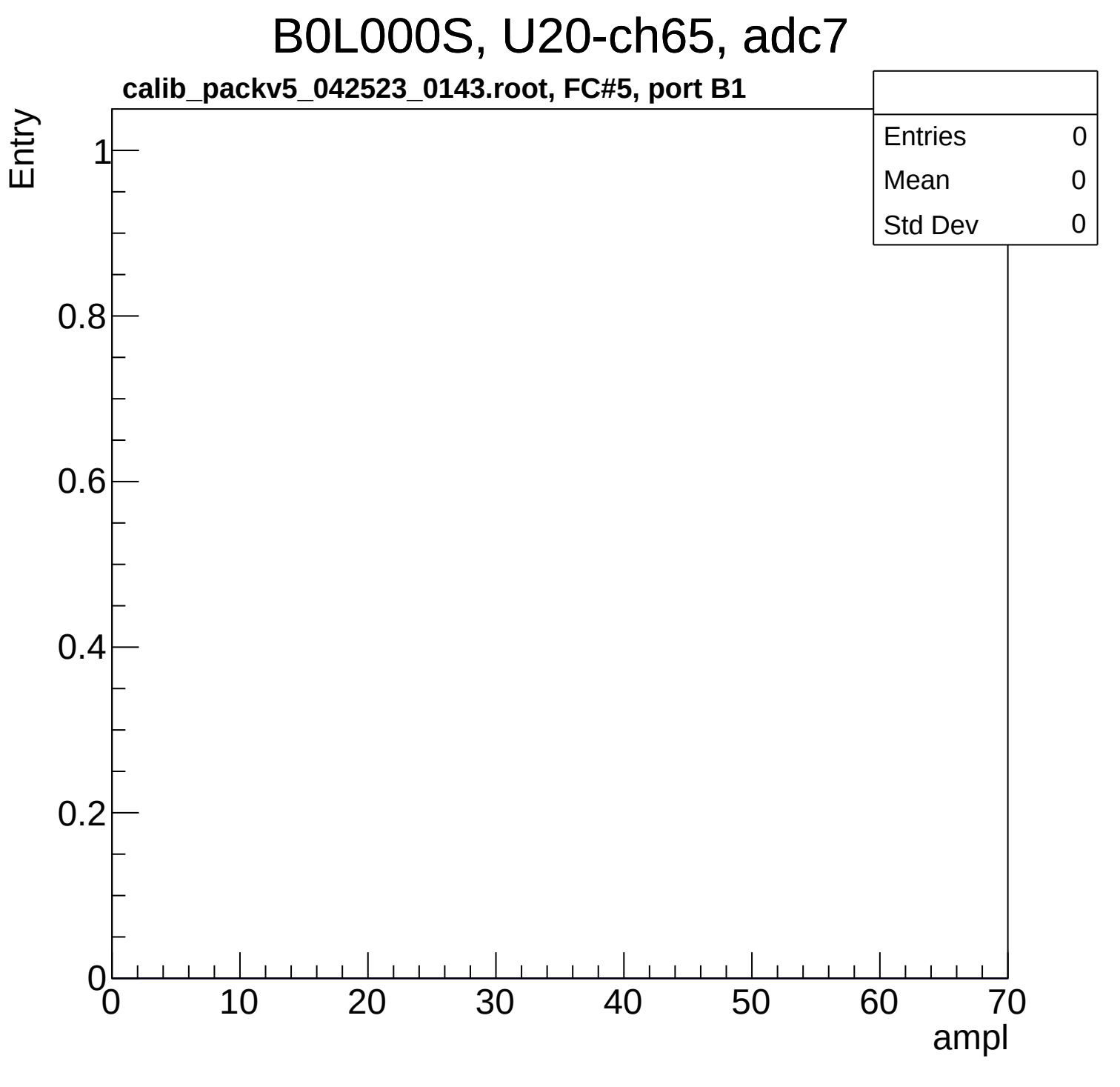
B0L000S, U20-ch65, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
0
10
20
30
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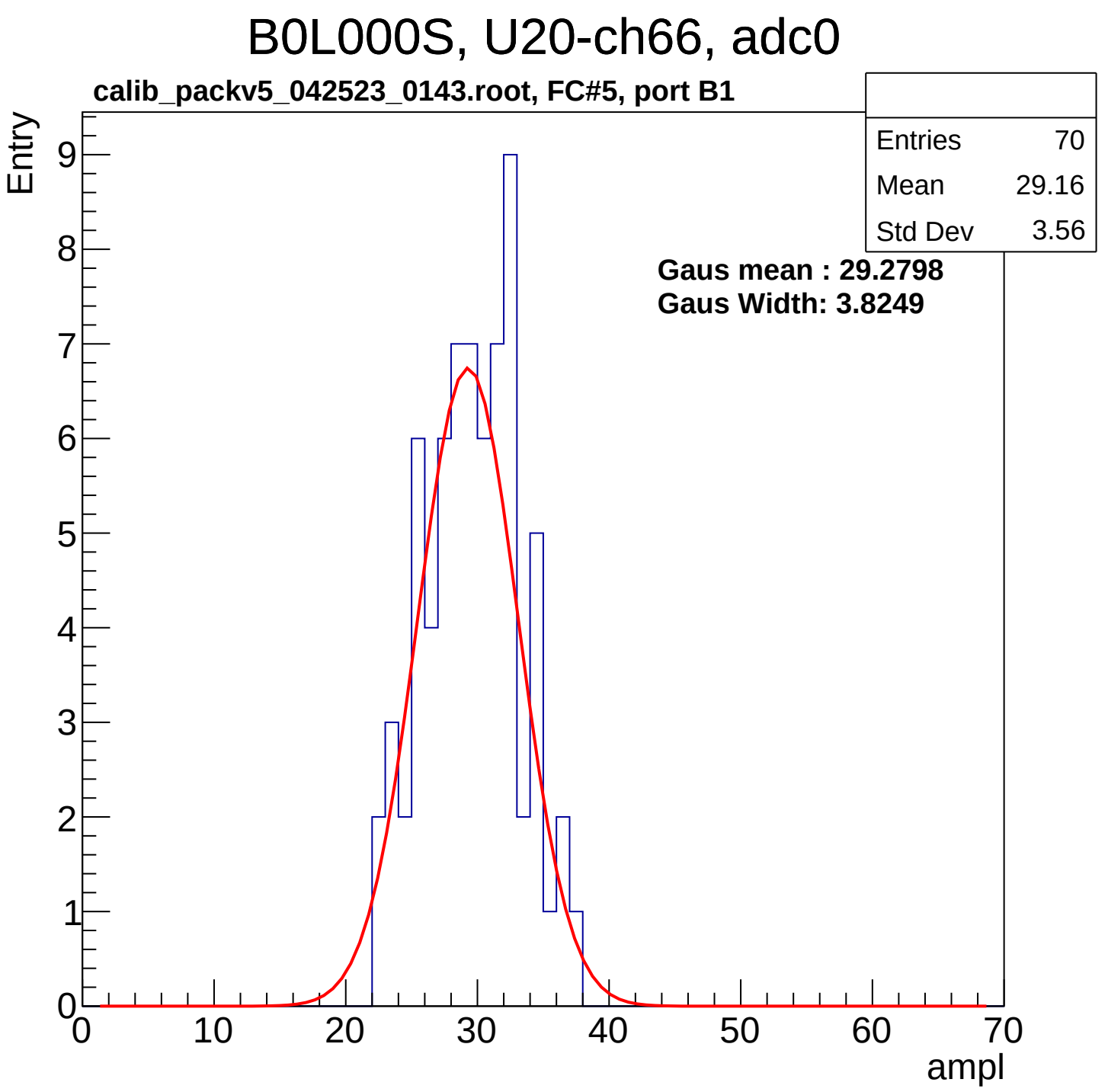
50
60
70
ampl


B0L000S, U20-ch66, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 29.16
Std Dev 3.56
Gaus mean : 29.2798
Gaus Width: 3.8249
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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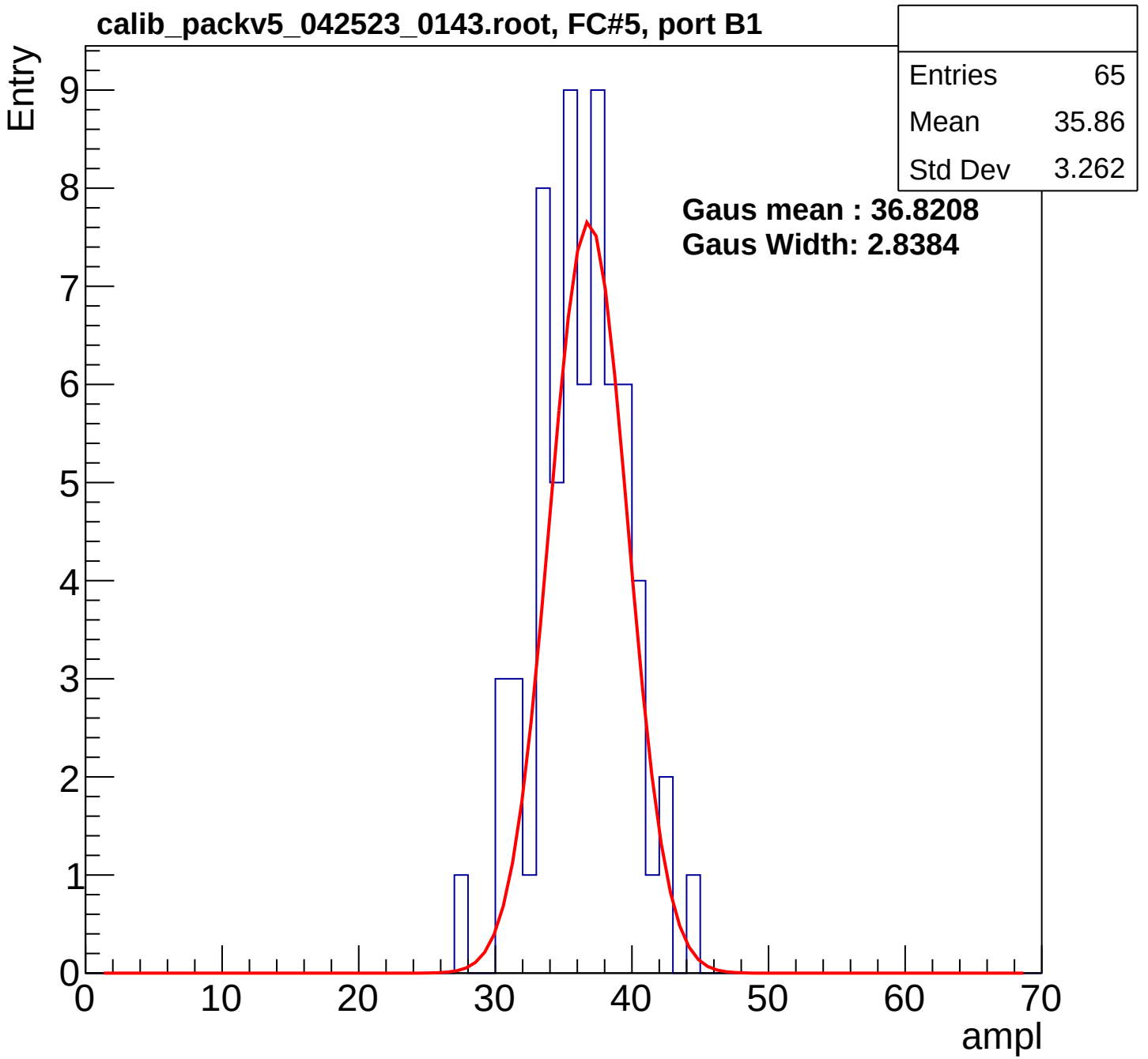
B0L000S, U20-ch66, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 35.86
Std Dev 3.262
Gaus mean : 36.8208
Gaus Width: 2.8384
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
50
60
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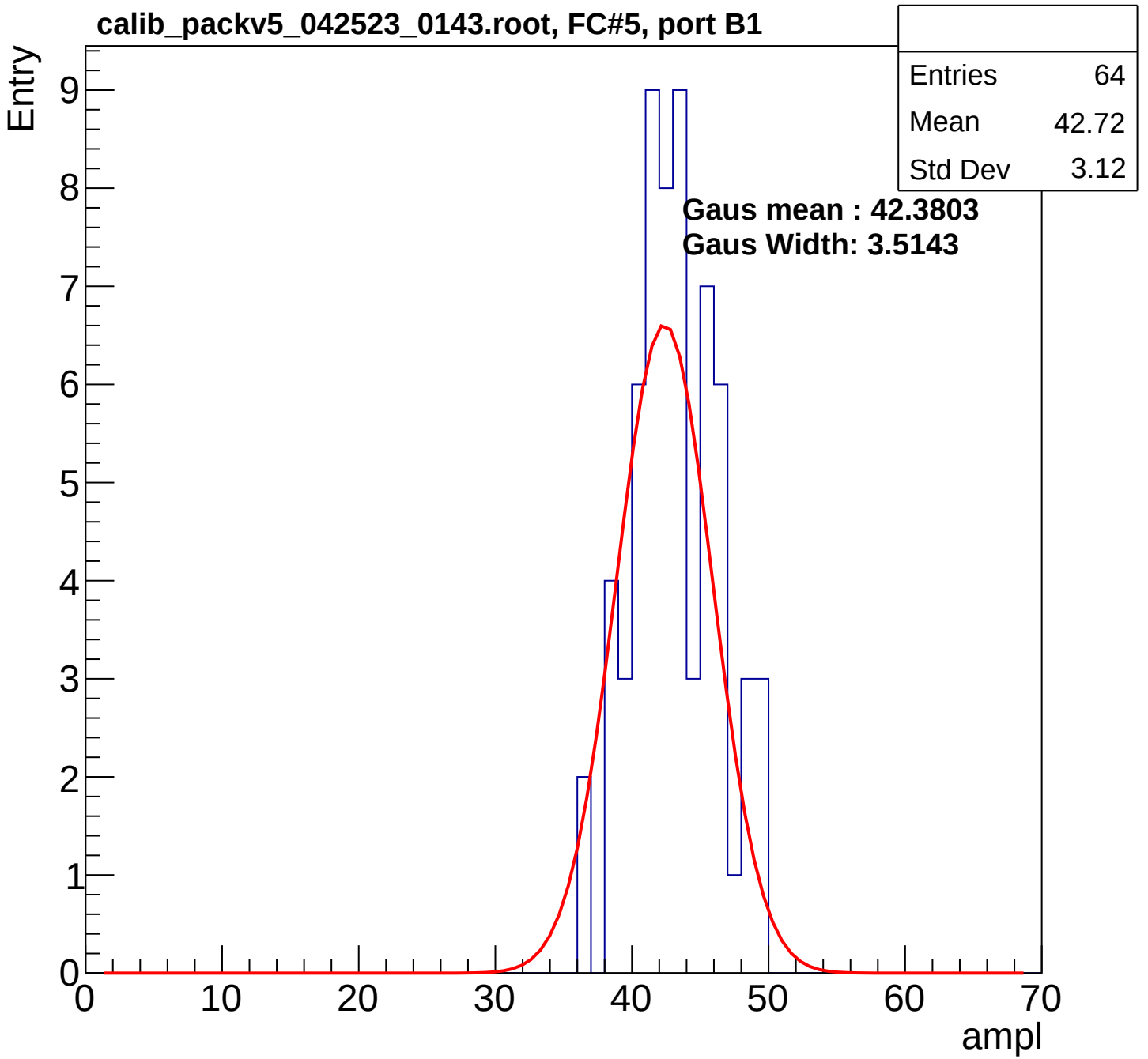
B0L000S, U20-ch66, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 42.72
Std Dev 3.12
Gaus mean : 42.3803
Gaus Width: 3.5143
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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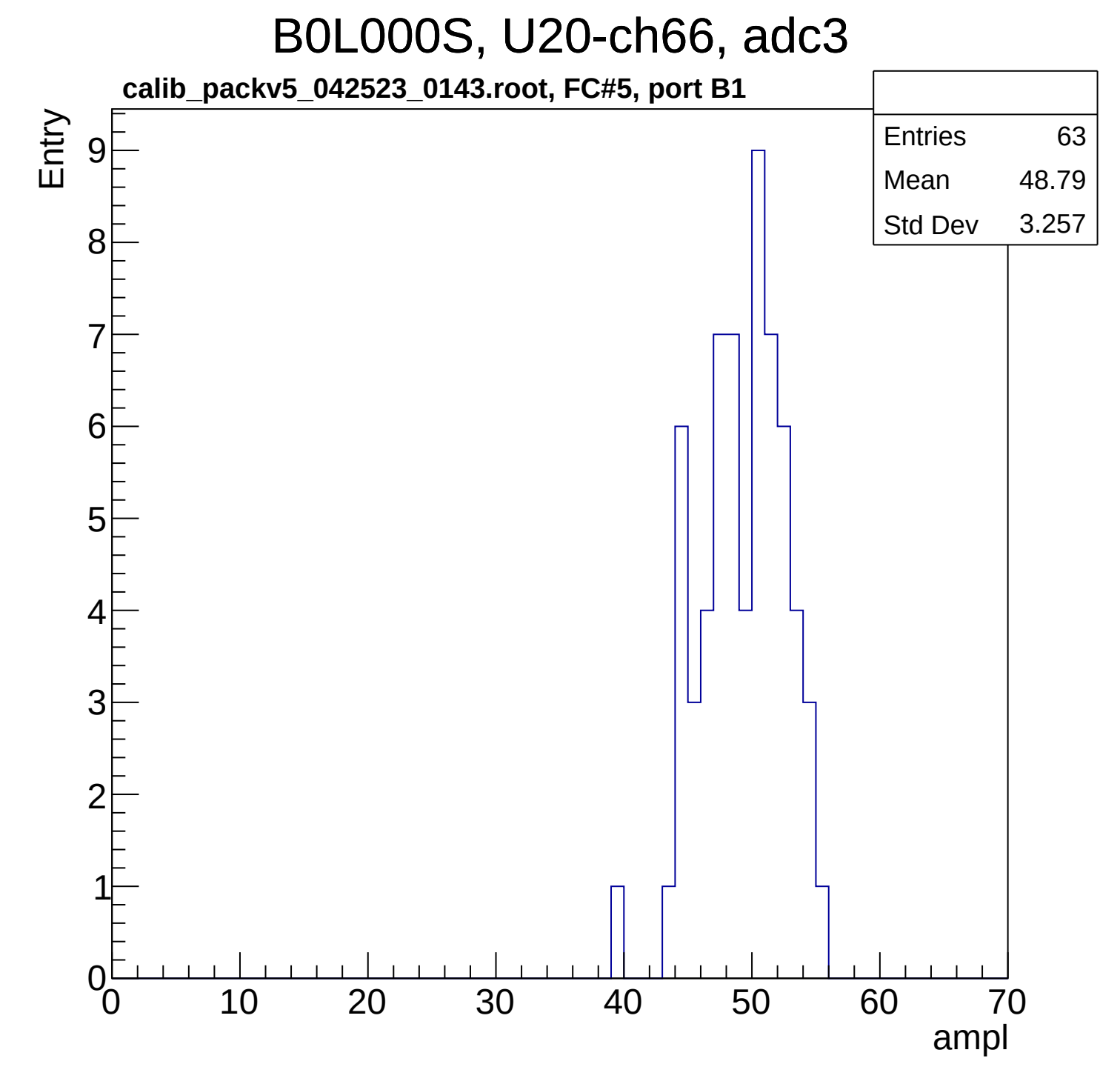
B0L000S, U20-ch66, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 48.79
Std Dev 3.257
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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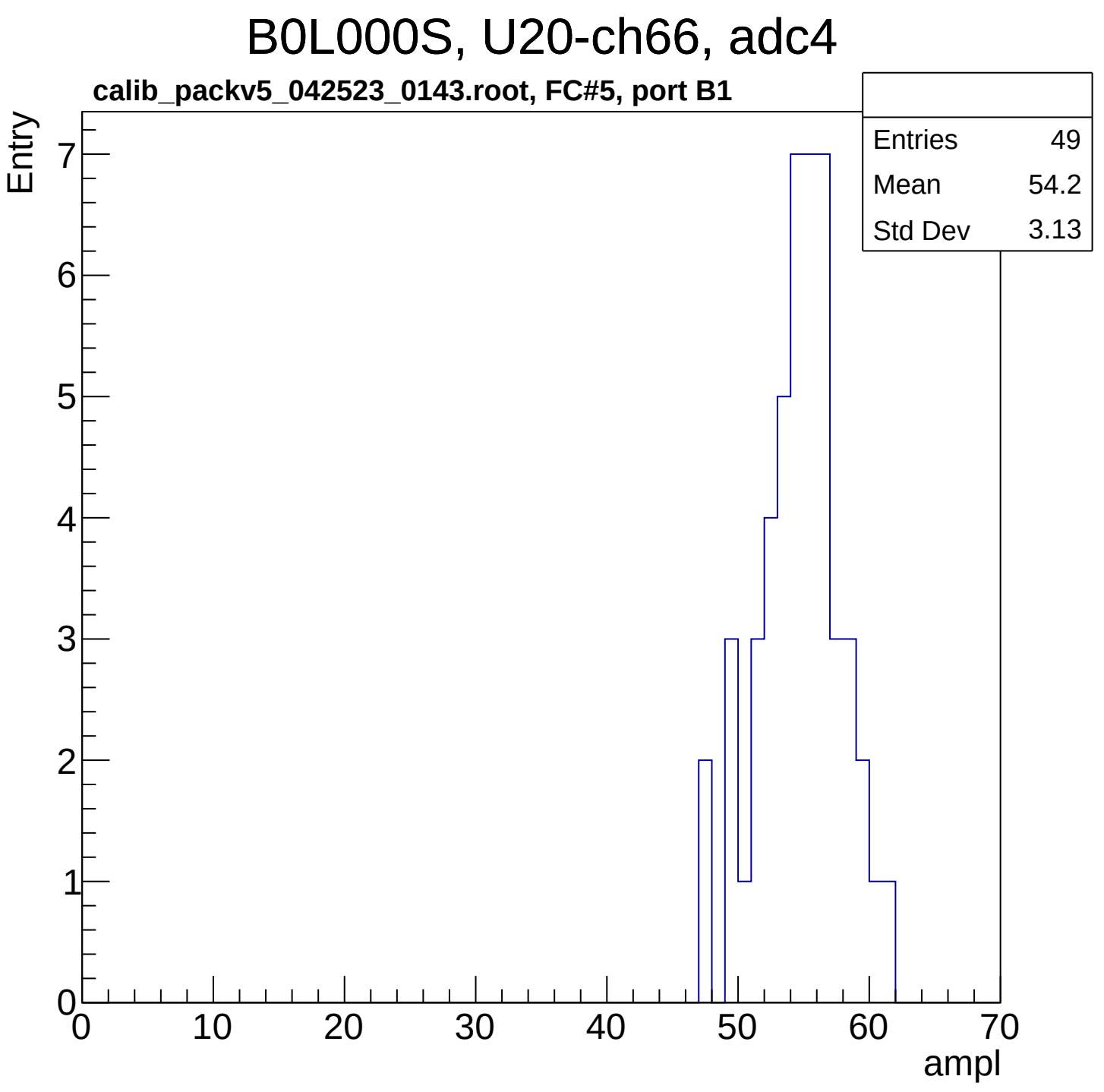
B0L000S, U20-ch66, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 54.2
Std Dev 3.13
Entry
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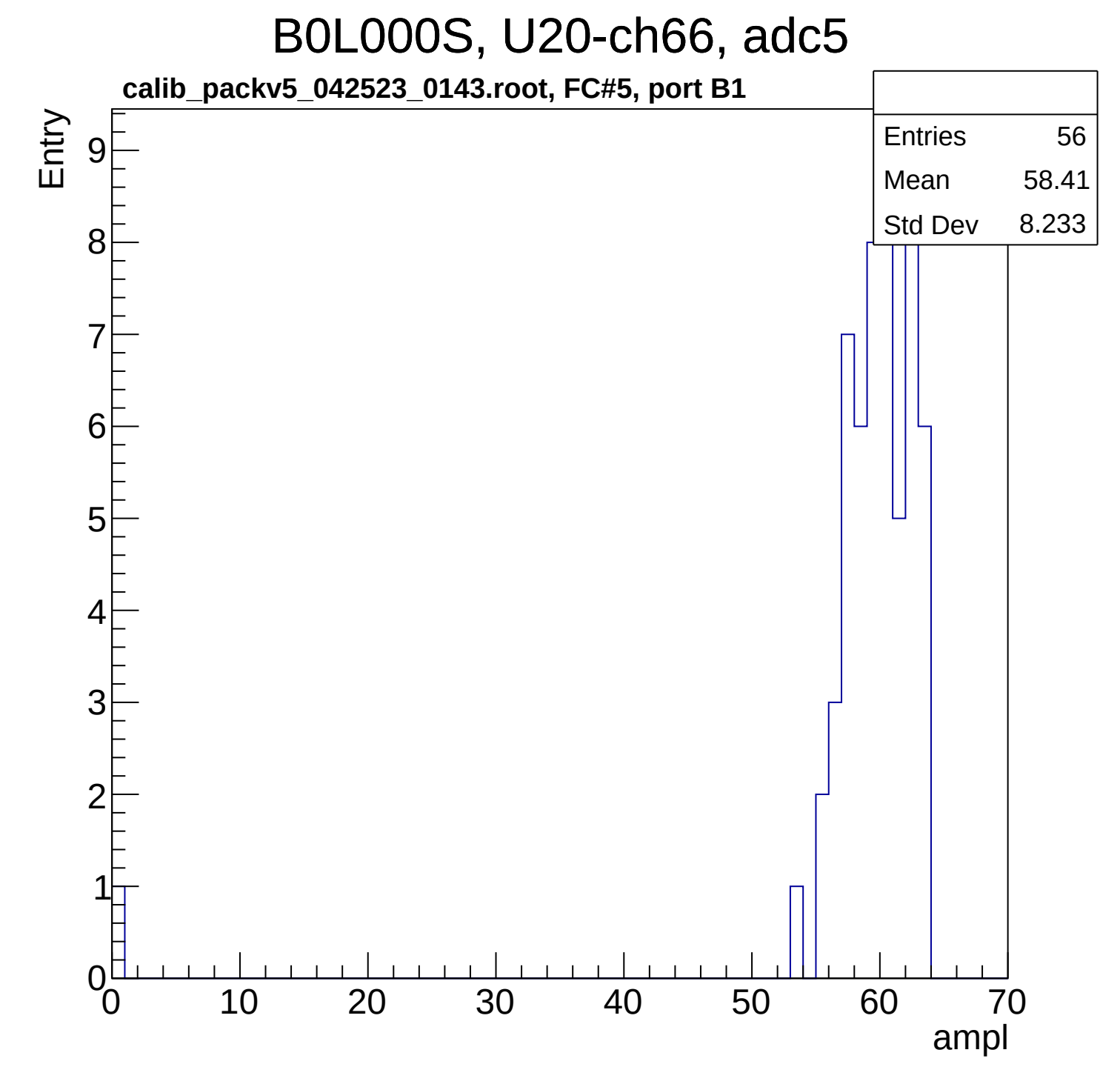
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch66, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 58.41
Std Dev 8.233
Entry
ampl
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2
3
4
5
6
7
8
9
0
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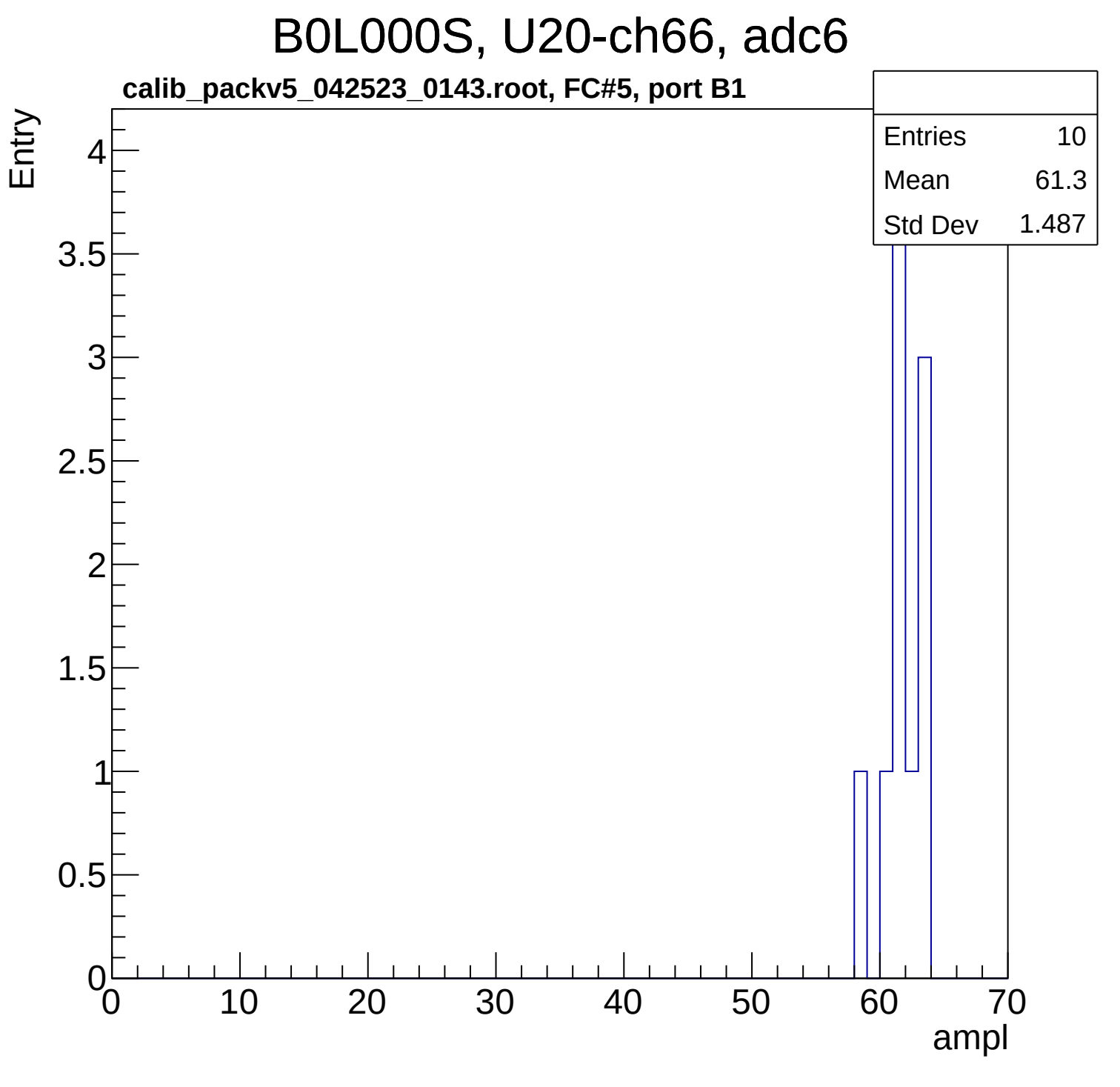
20
30
40
50
60
70


B0L000S, U20-ch66, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.3
Std Dev 1.487
Entry
ampl
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0.5
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1.5
2
2.5
3
3.5
4
0
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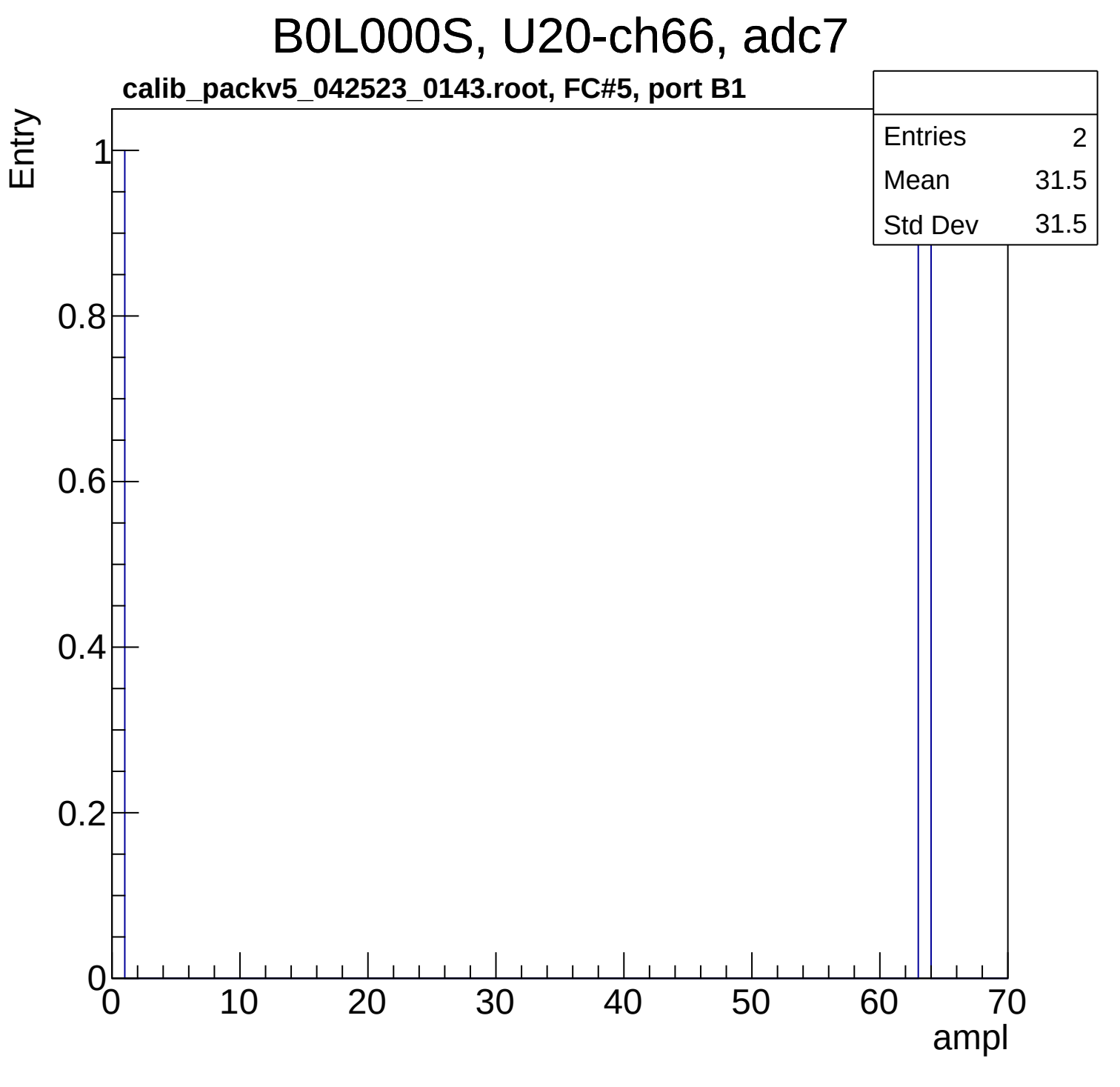
20
30
40
50
60
70


B0L000S, U20-ch66, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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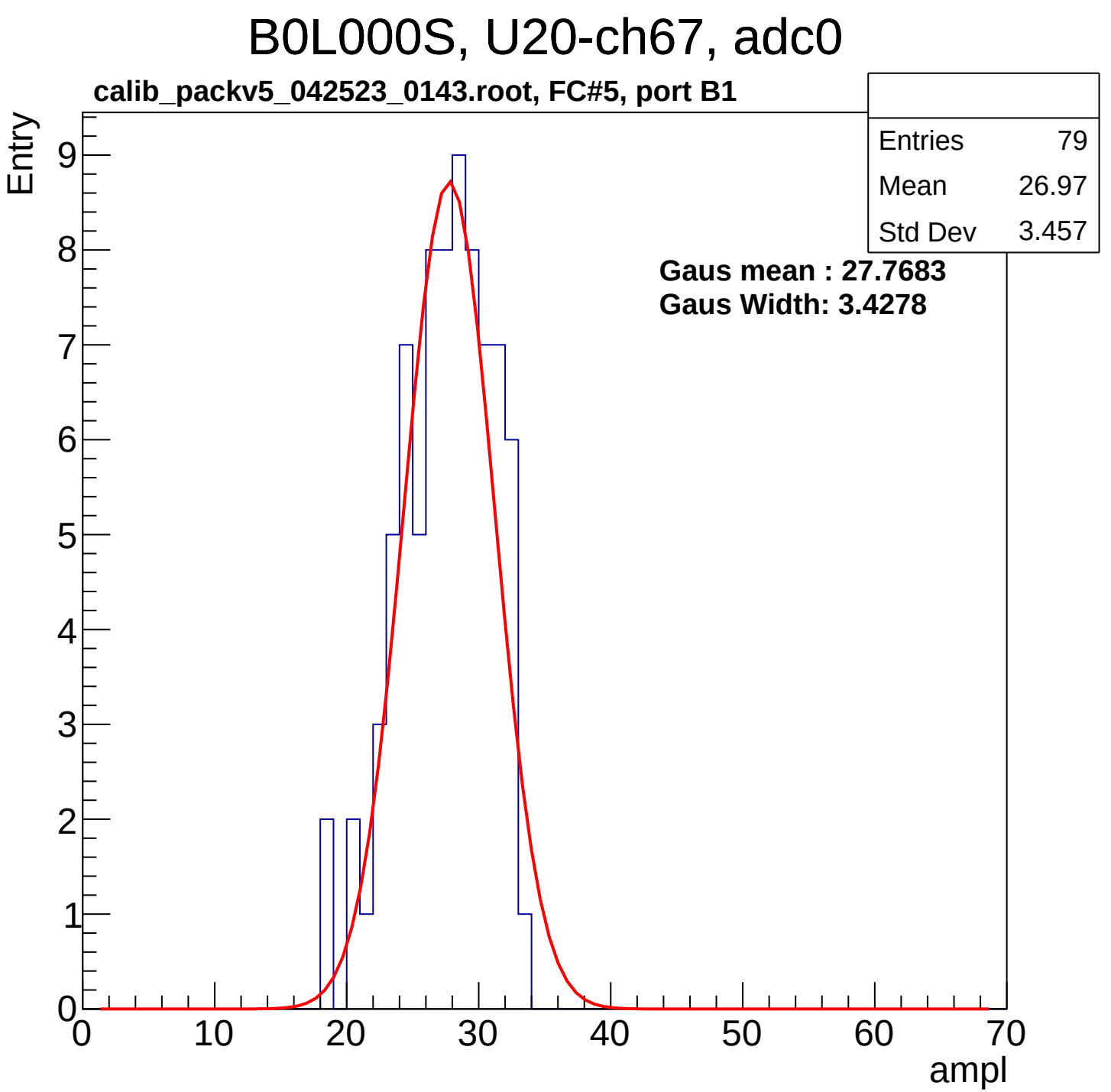
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch67, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 26.97
Std Dev 3.457
Gaus mean : 27.7683
Gaus Width: 3.4278
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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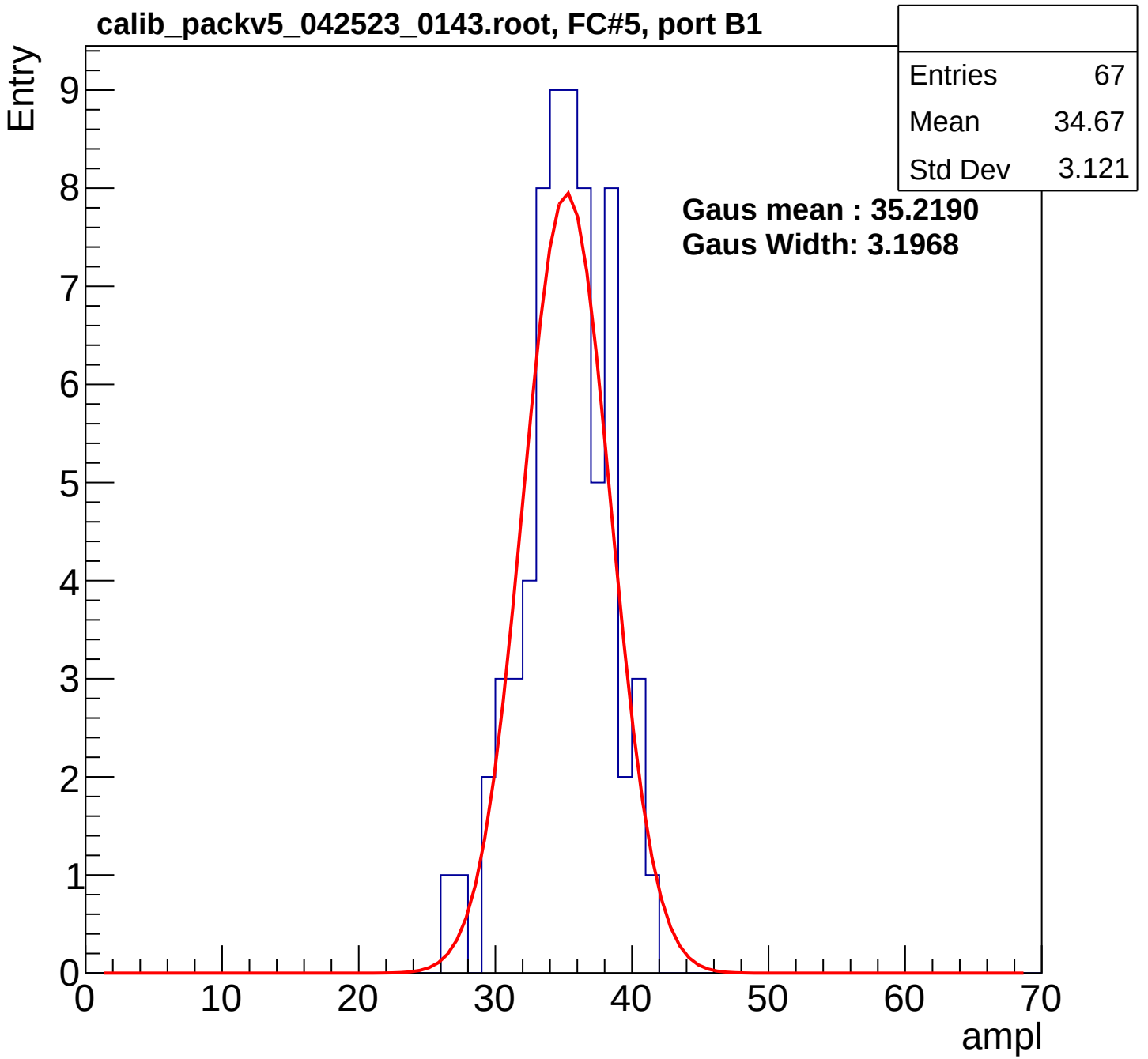
B0L000S, U20-ch67, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 34.67
Std Dev 3.121
Gaus mean : 35.2190
Gaus Width: 3.1968
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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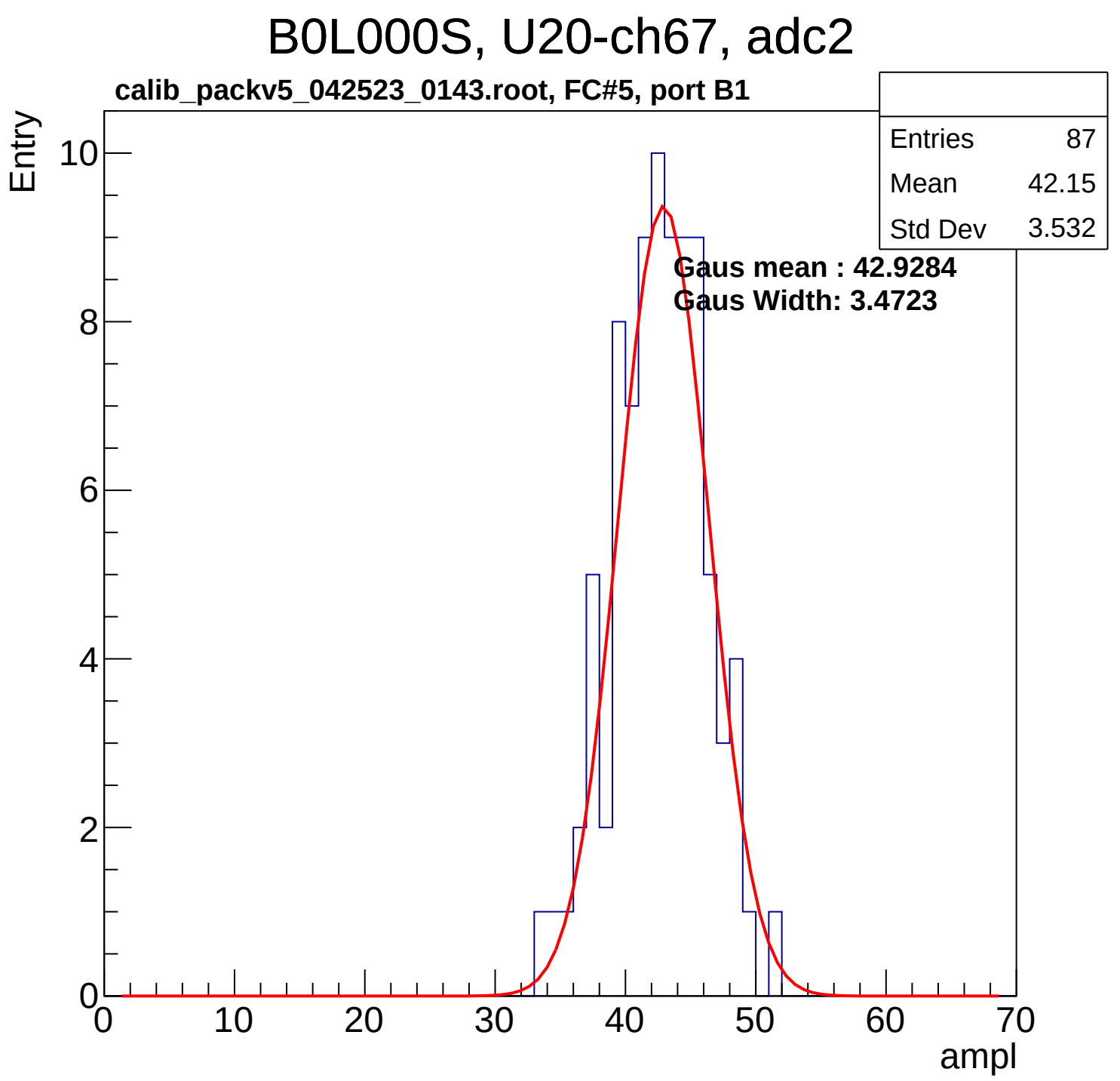
B0L000S, U20-ch67, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 87
Mean 42.15
Std Dev 3.532
Gaus mean : 42.9284
Gaus Width: 3.4723
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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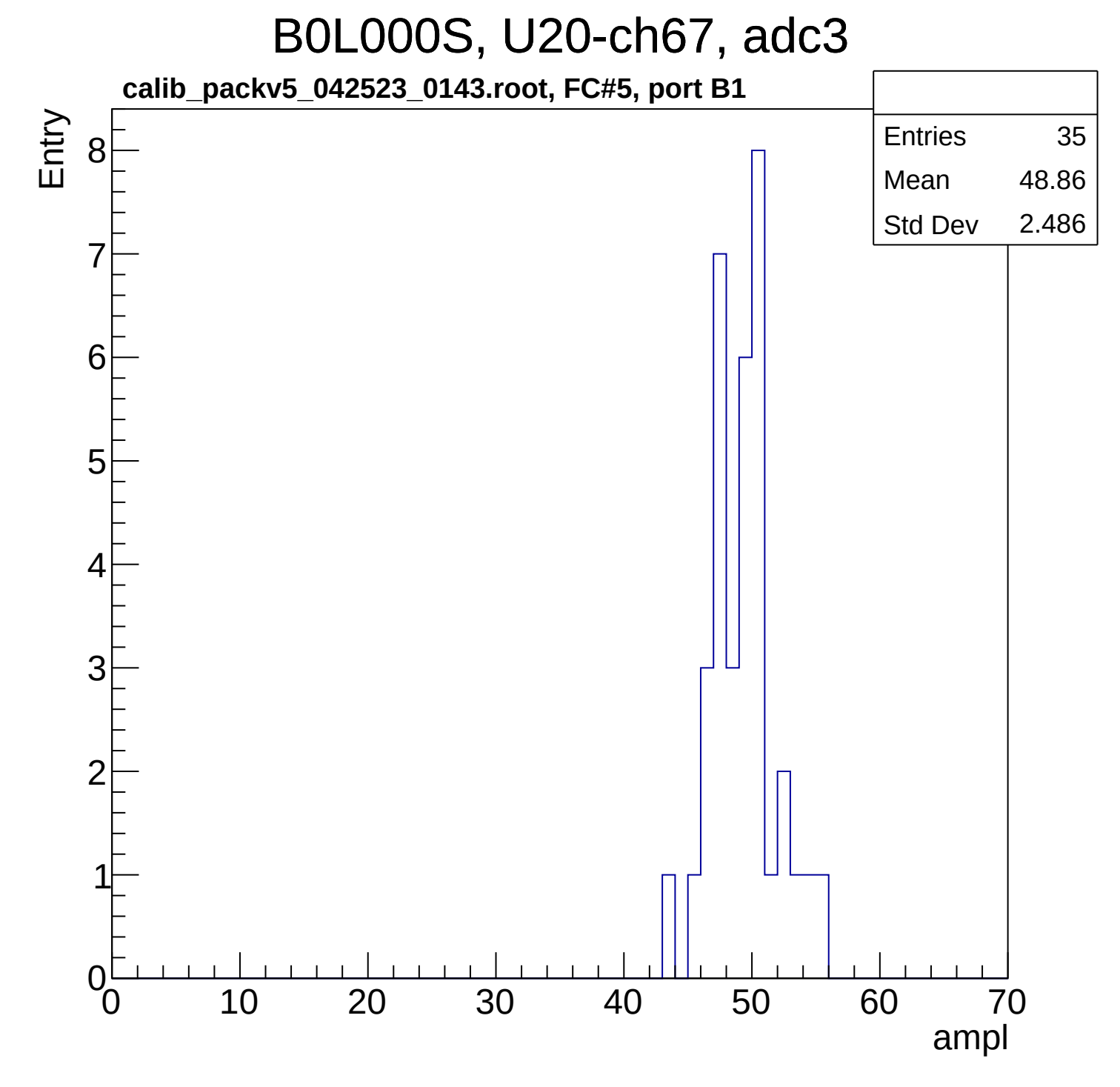
B0L000S, U20-ch67, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 35
Mean 48.86
Std Dev 2.486
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
50
60
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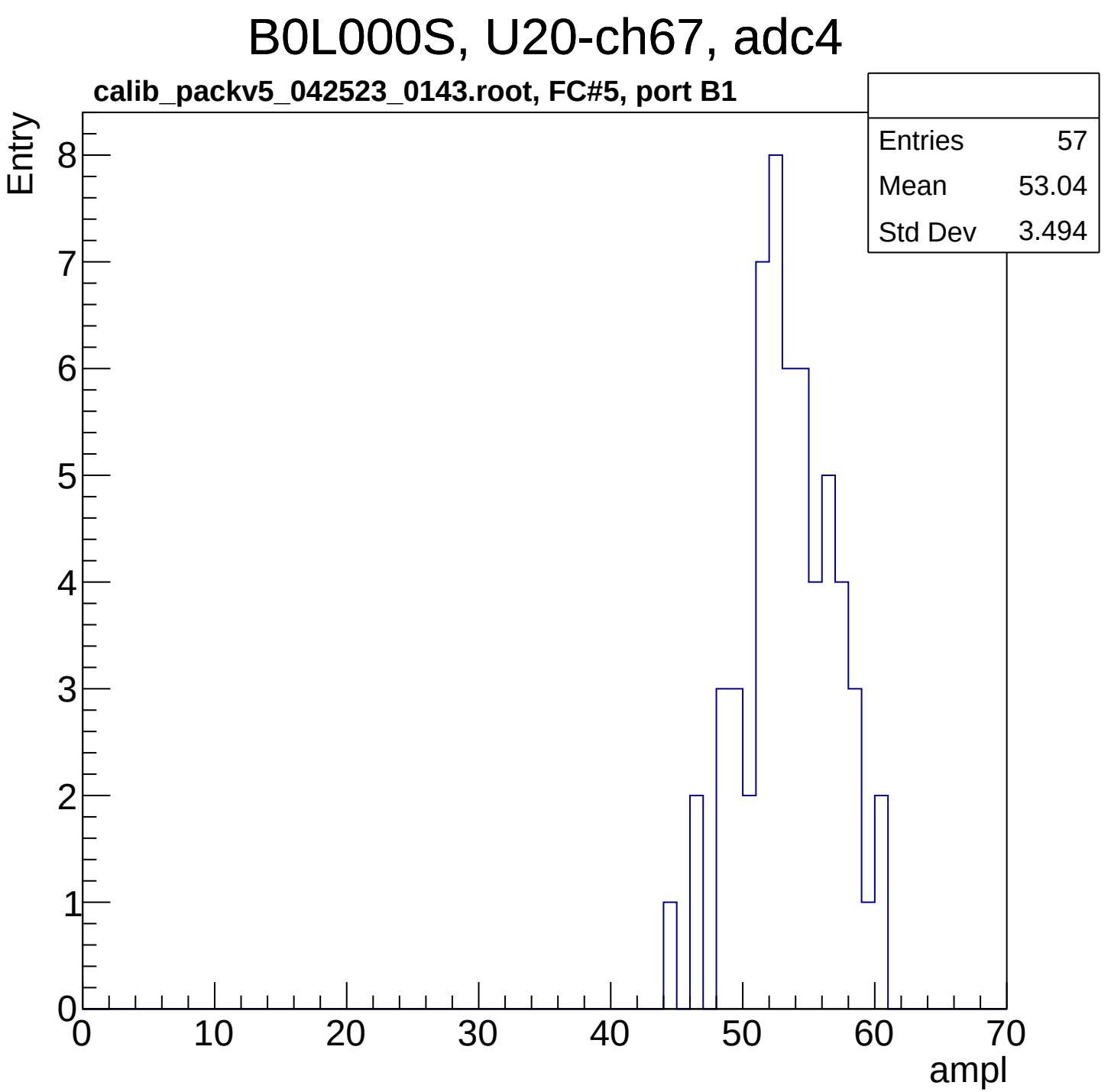
B0L000S, U20-ch67, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 53.04
Std Dev 3.494
Entry
ampl
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1
2
3
4
5
6
7
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0
10
20
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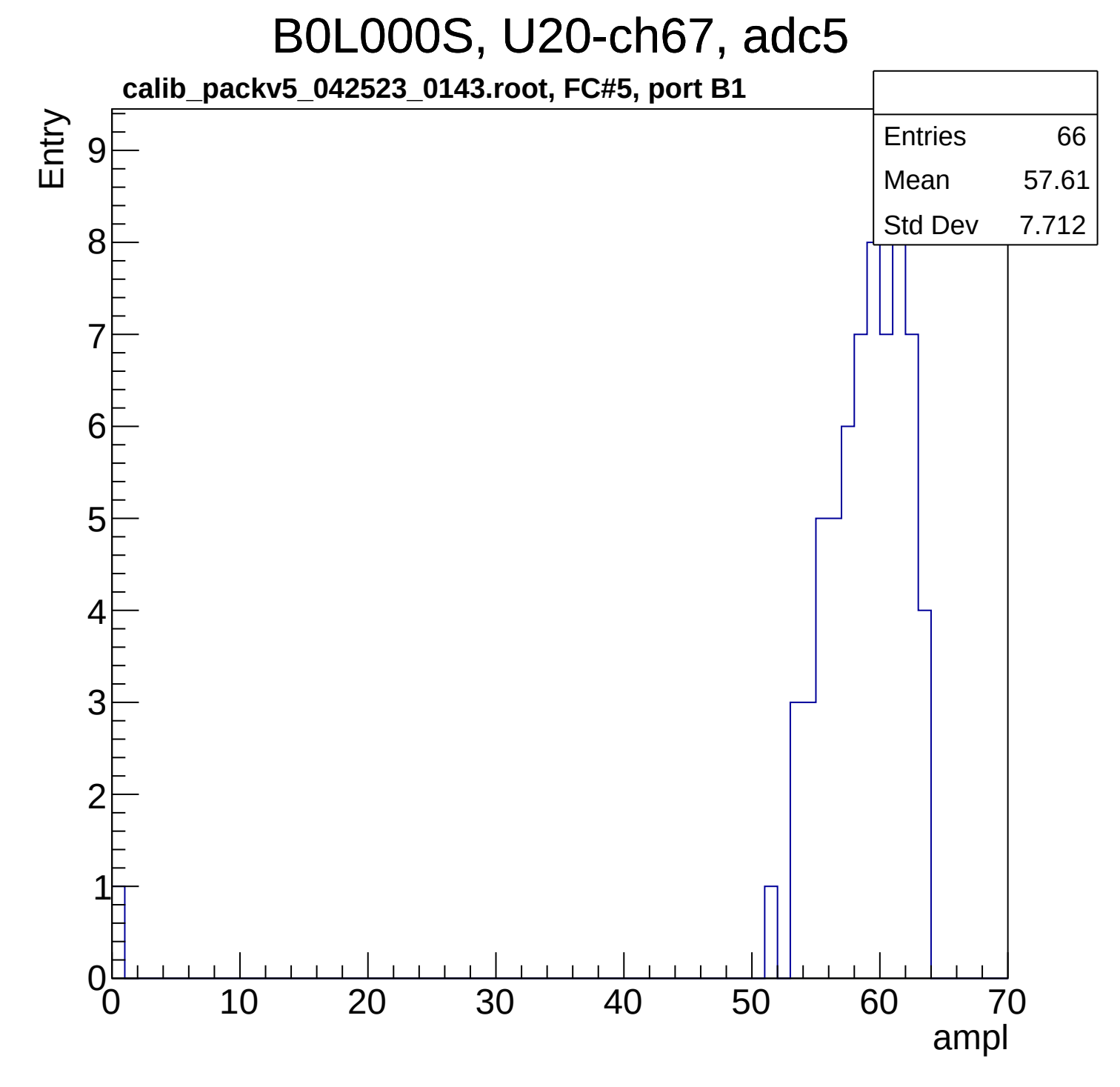
40
50
60
70


B0L000S, U20-ch67, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 57.61
Std Dev 7.712
Entry
ampl
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2
3
4
5
6
7
8
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0
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20
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60
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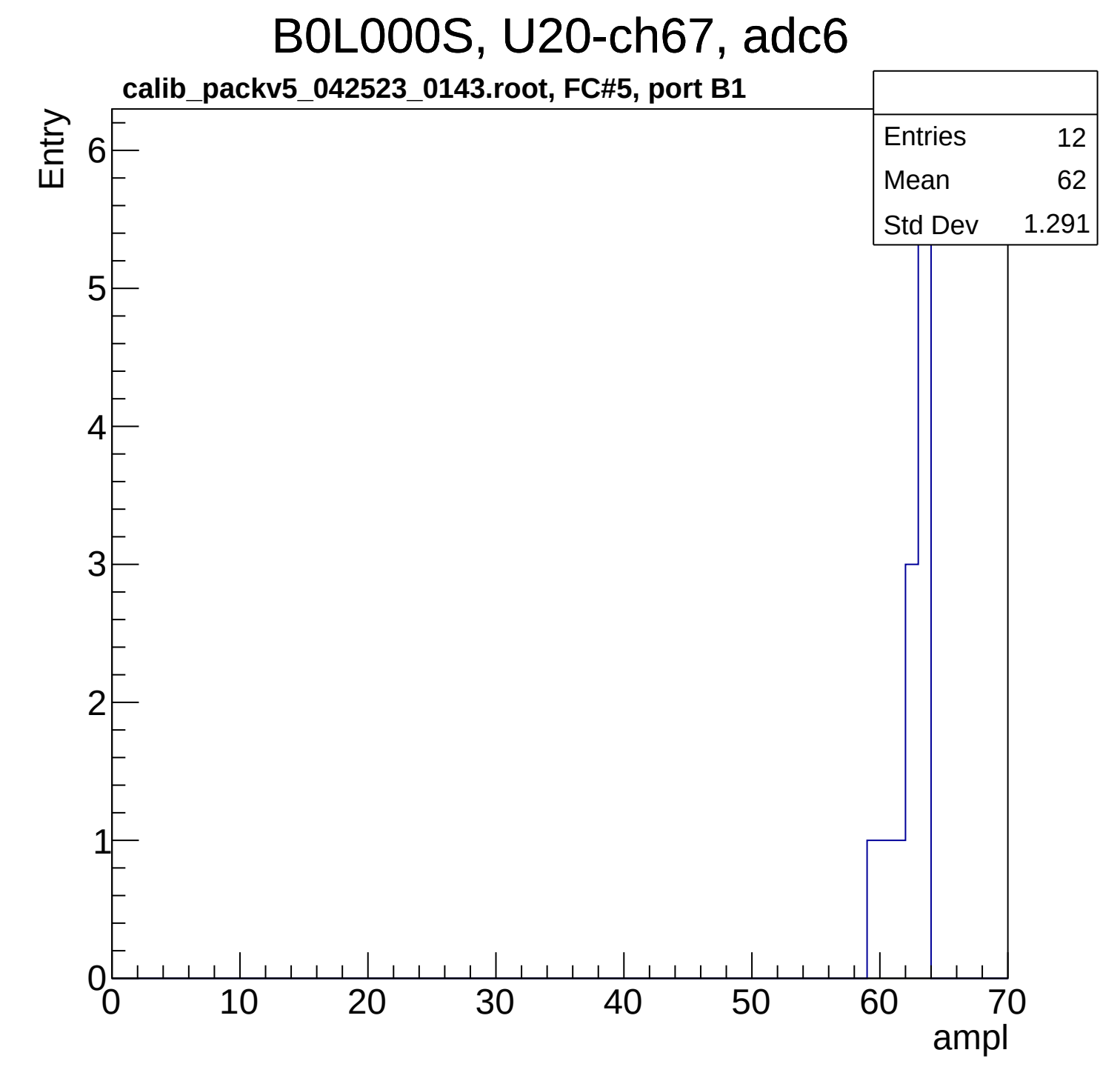
B0L000S, U20-ch67, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 62
Std Dev 1.291
Entry
ampl
0
1
2
3
4
5
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0
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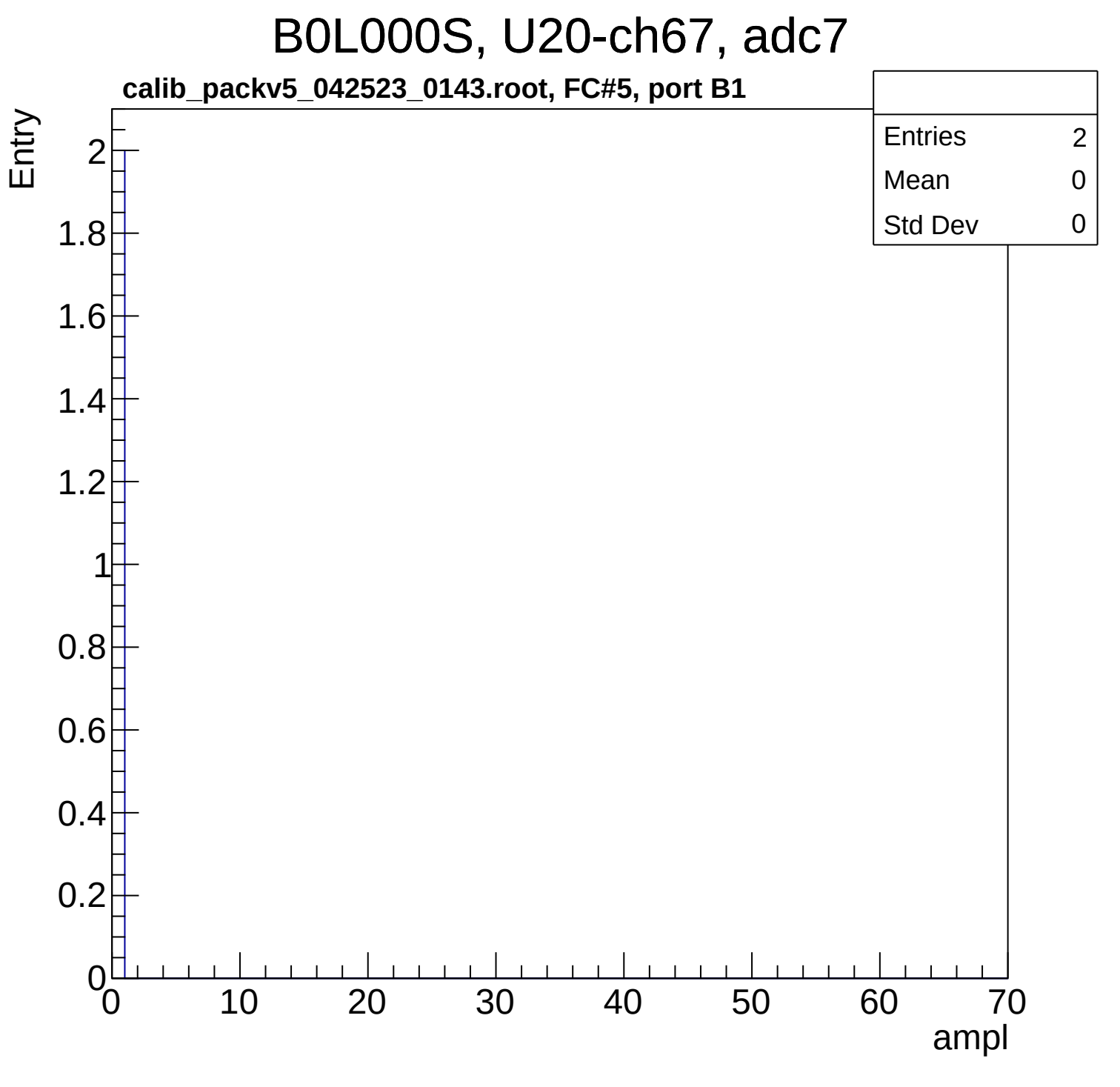
20
30
40
50
60
70


B0L000S, U20-ch67, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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60
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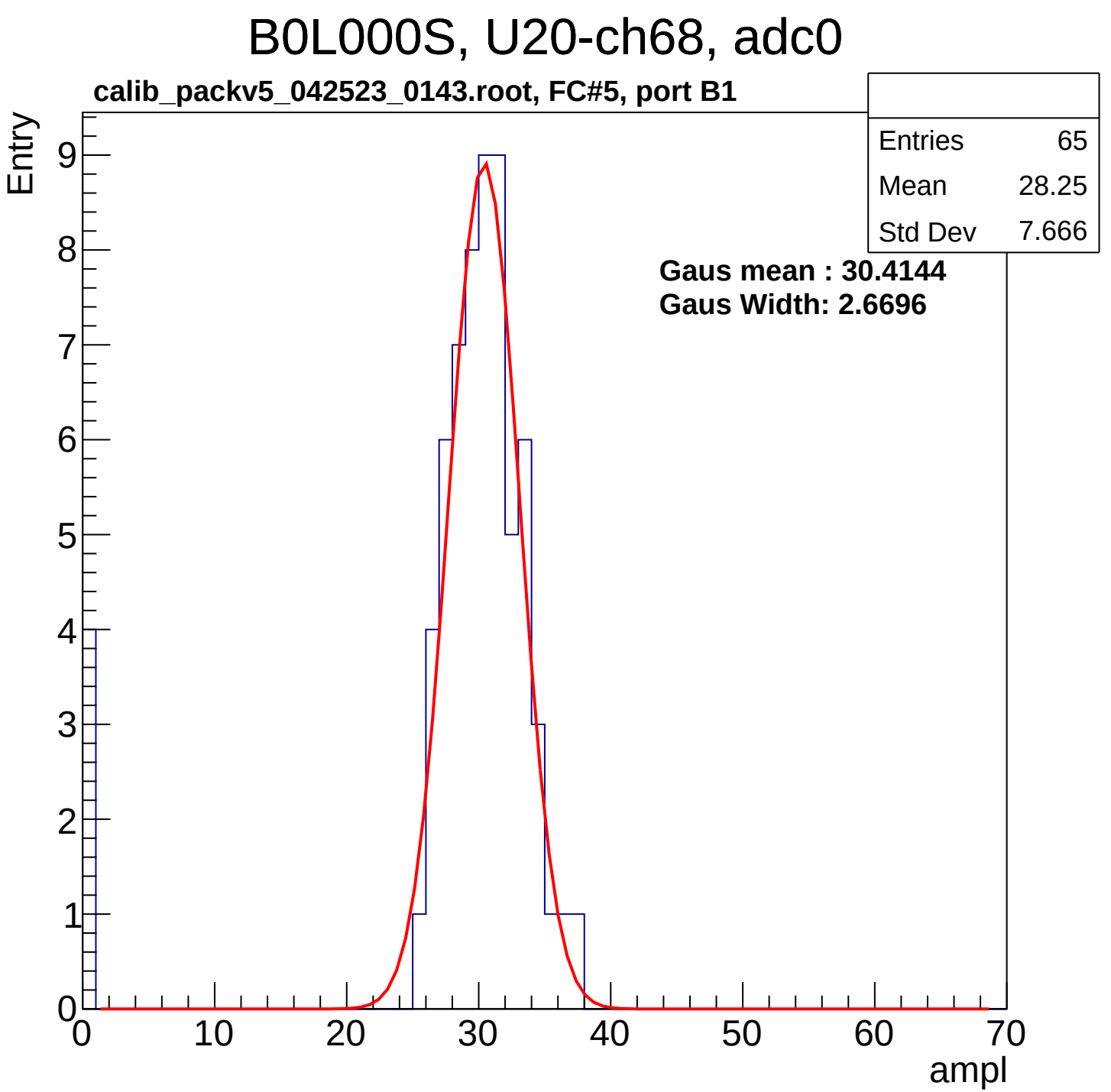
B0L000S, U20-ch68, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 28.25
Std Dev 7.666
Gaus mean : 30.4144
Gaus Width: 2.6696
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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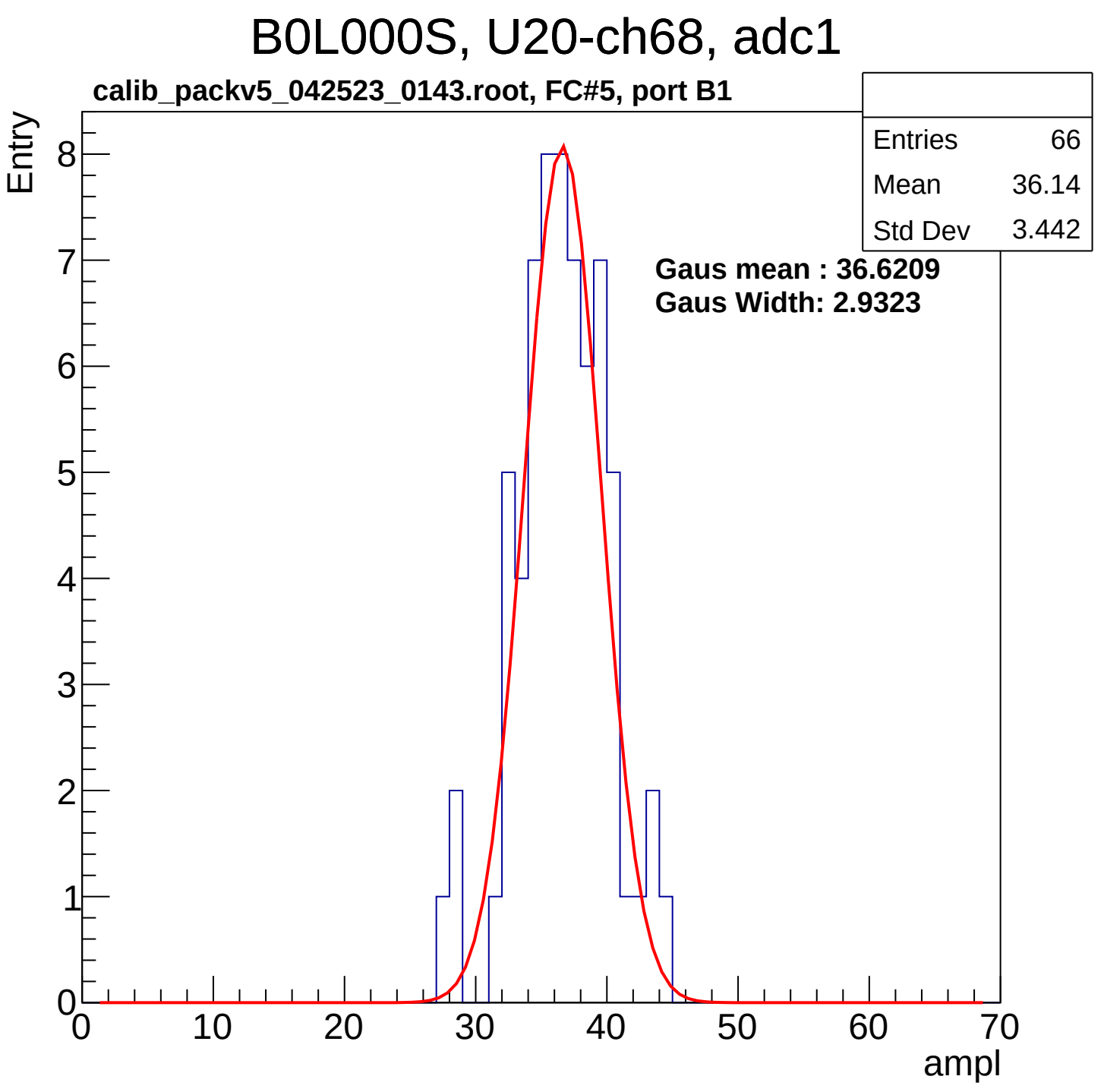
B0L000S, U20-ch68, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 36.14
Std Dev 3.442
Gaus mean : 36.6209
Gaus Width: 2.9323
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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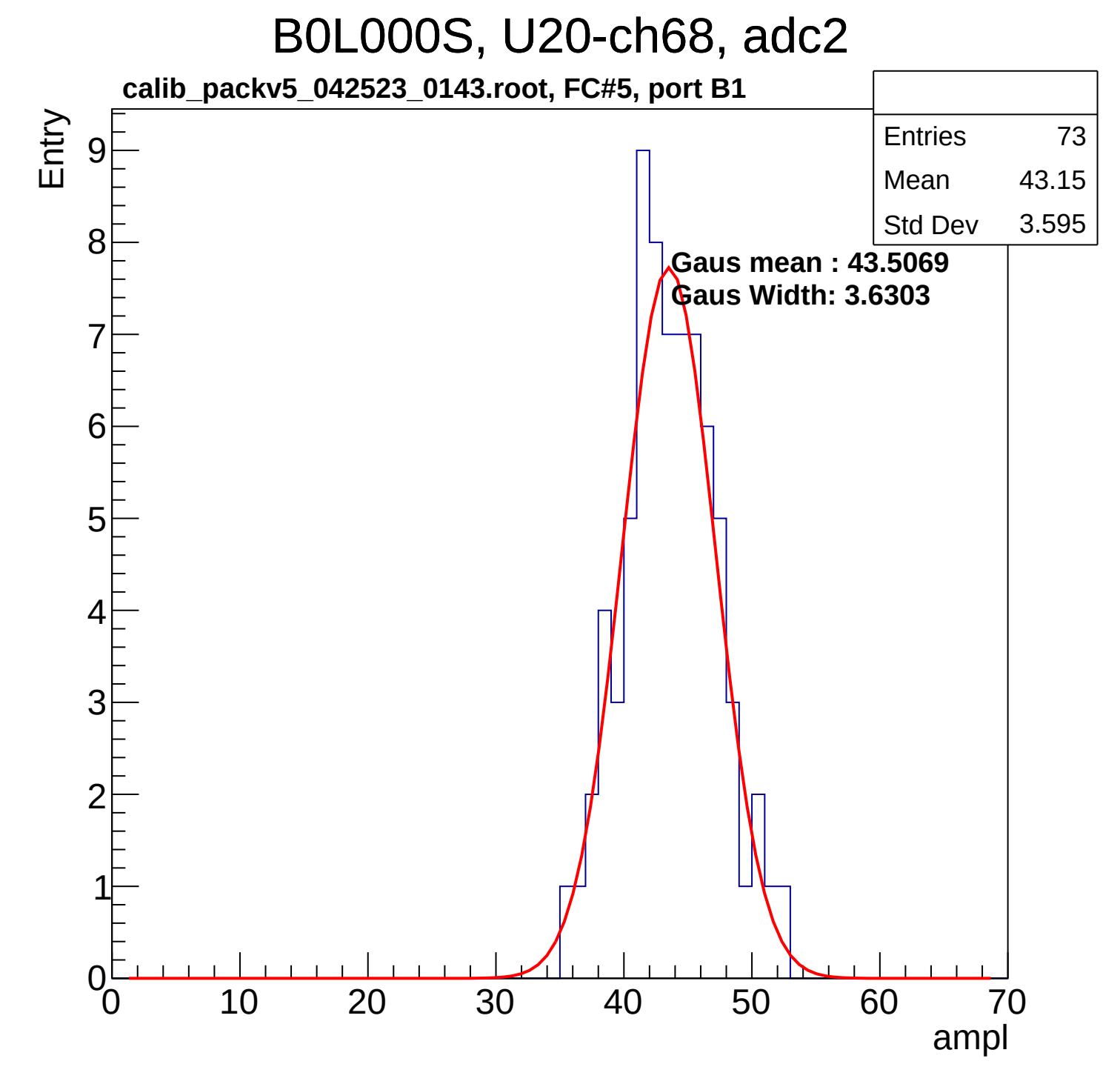
B0L000S, U20-ch68, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 43.15
Std Dev 3.595
Gaus mean : 43.5069
Gaus Width: 3.6303
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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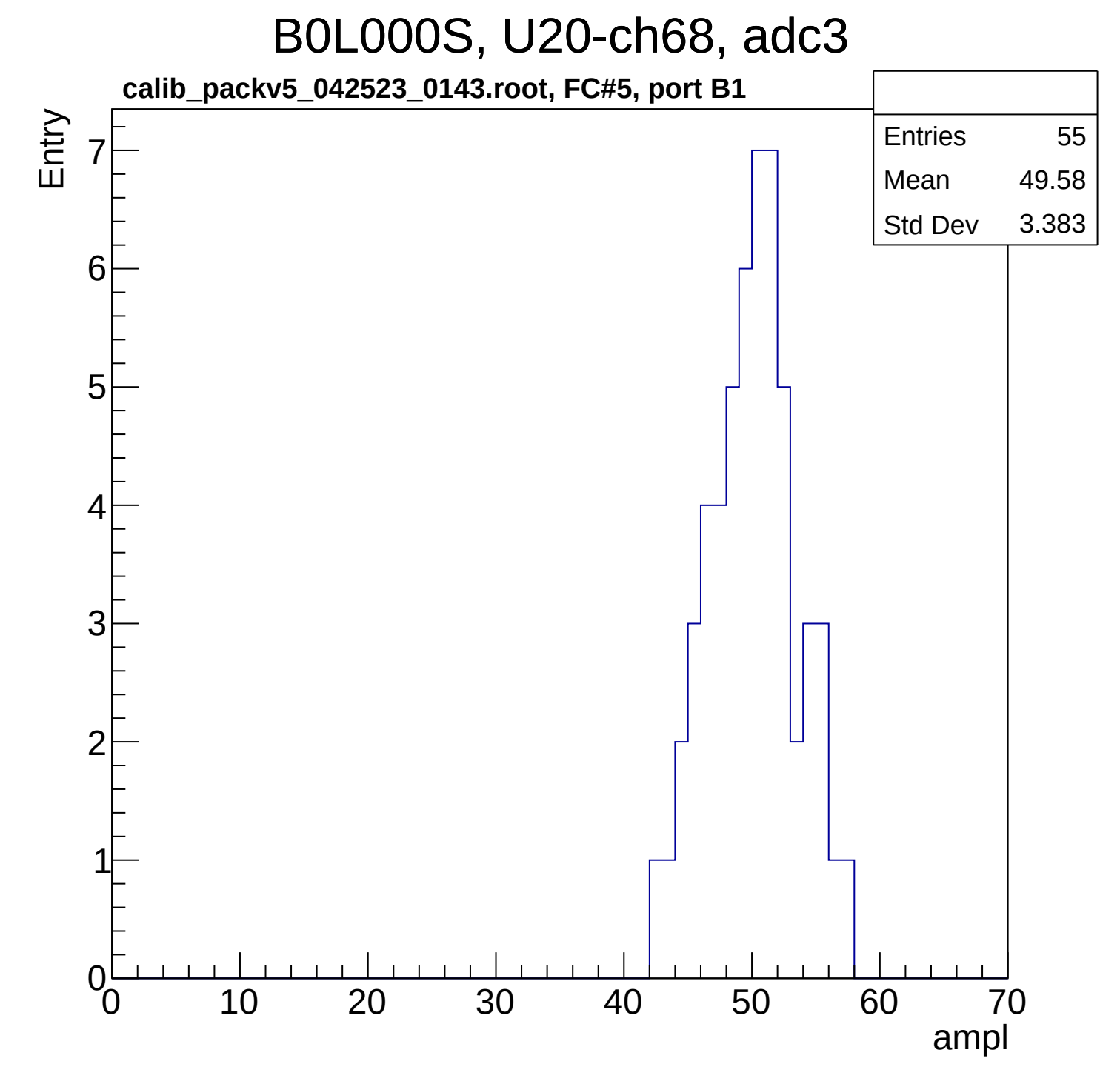
B0L000S, U20-ch68, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 49.58
Std Dev 3.383
Entry
ampl
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4
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6
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0
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40
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60
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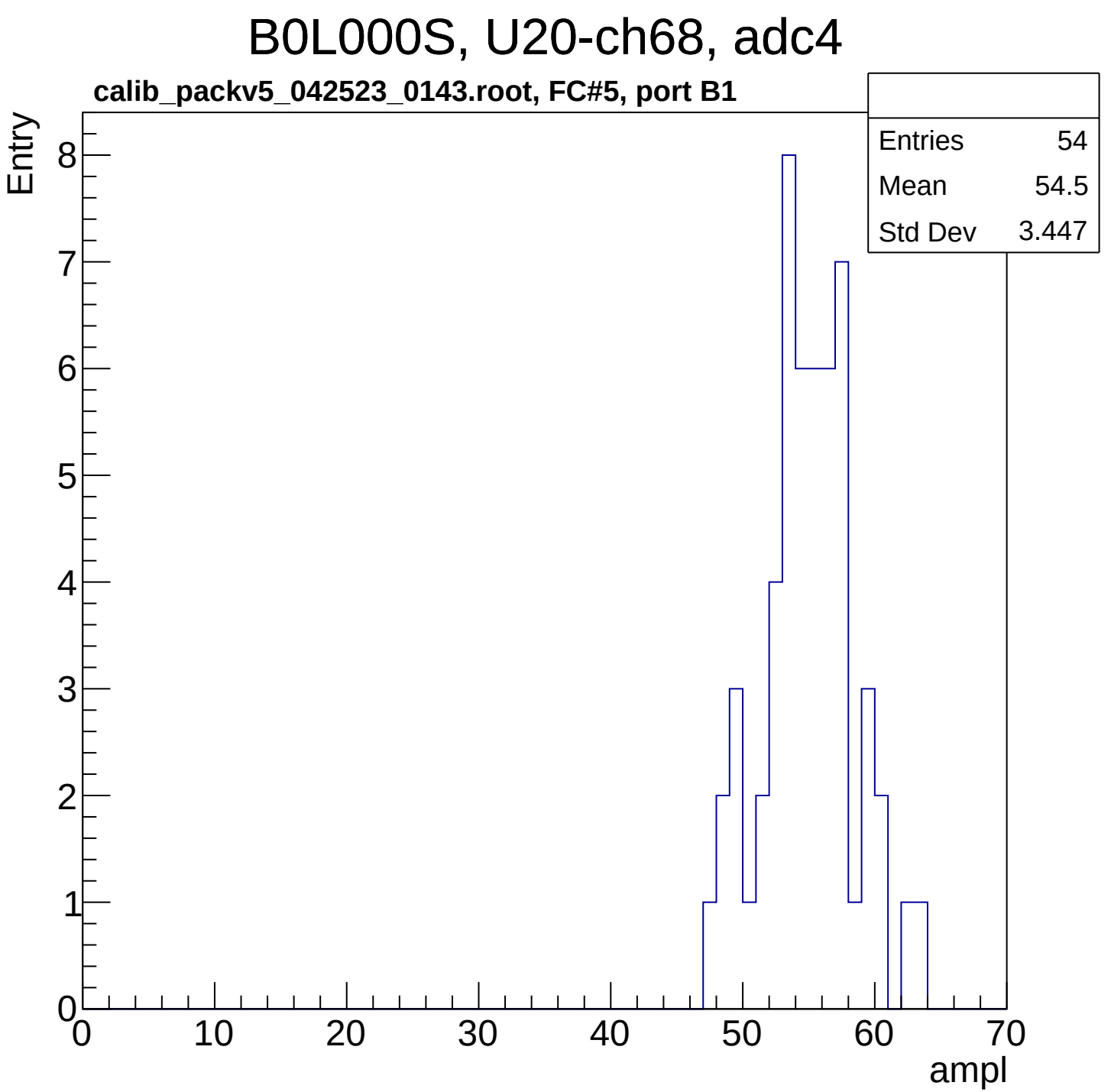
B0L000S, U20-ch68, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 54.5
Std Dev 3.447
Entry
ampl
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5
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0
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60
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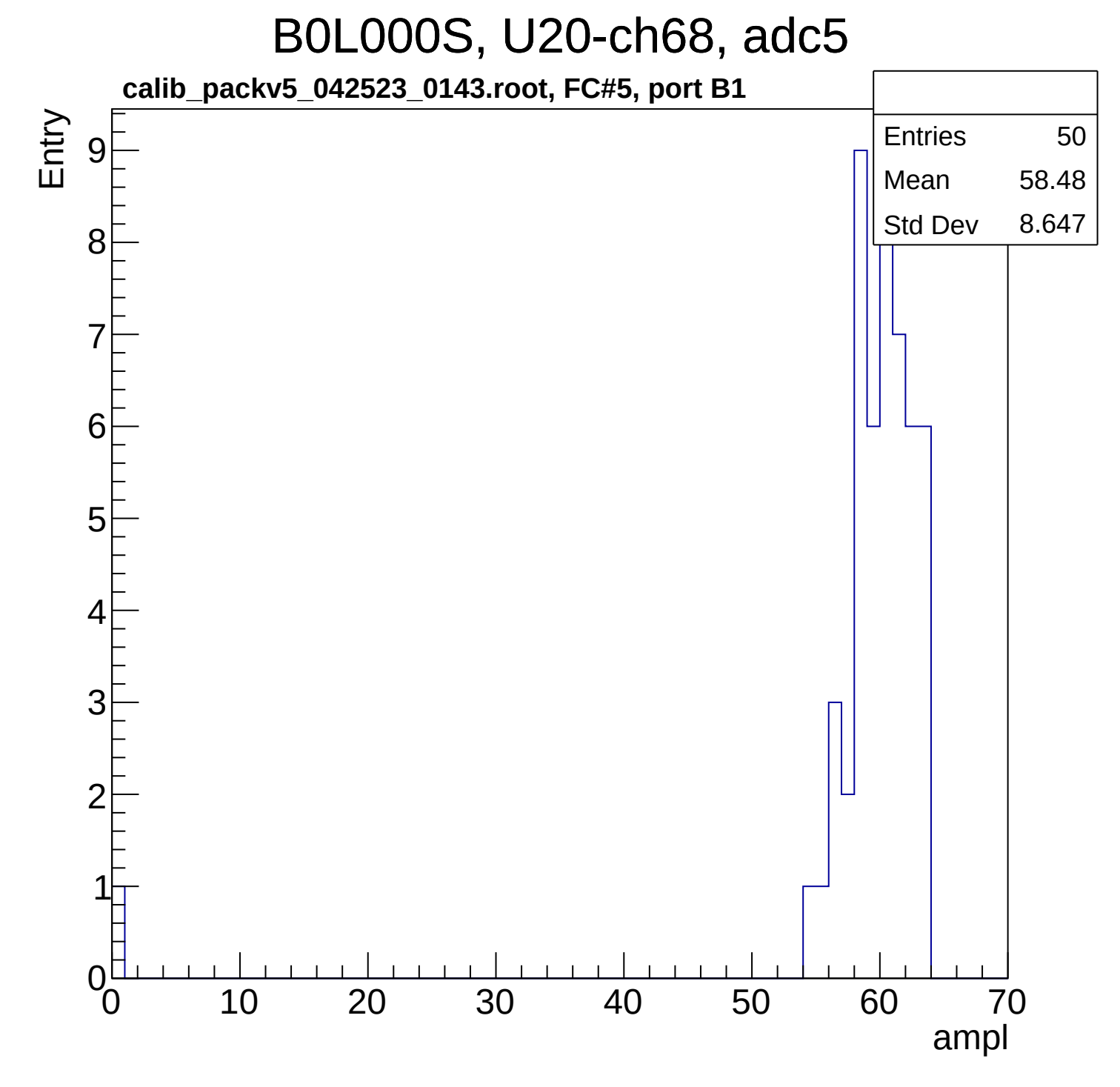
B0L000S, U20-ch68, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 58.48
Std Dev 8.647
Entry
ampl
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3
4
5
6
7
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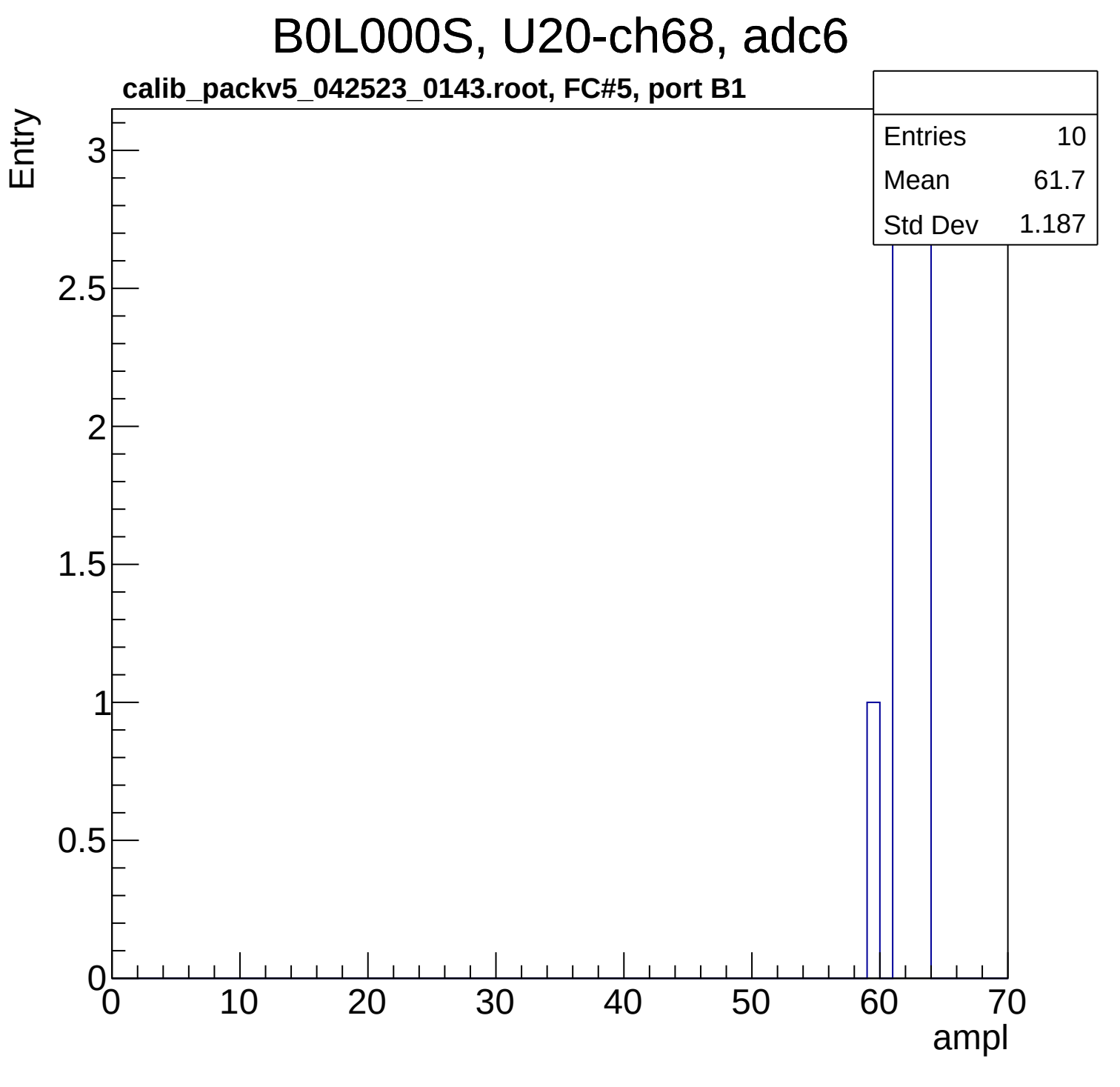
B0L000S, U20-ch68, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.7
Std Dev 1.187
Entry
ampl
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2
2.5
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0
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20
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60
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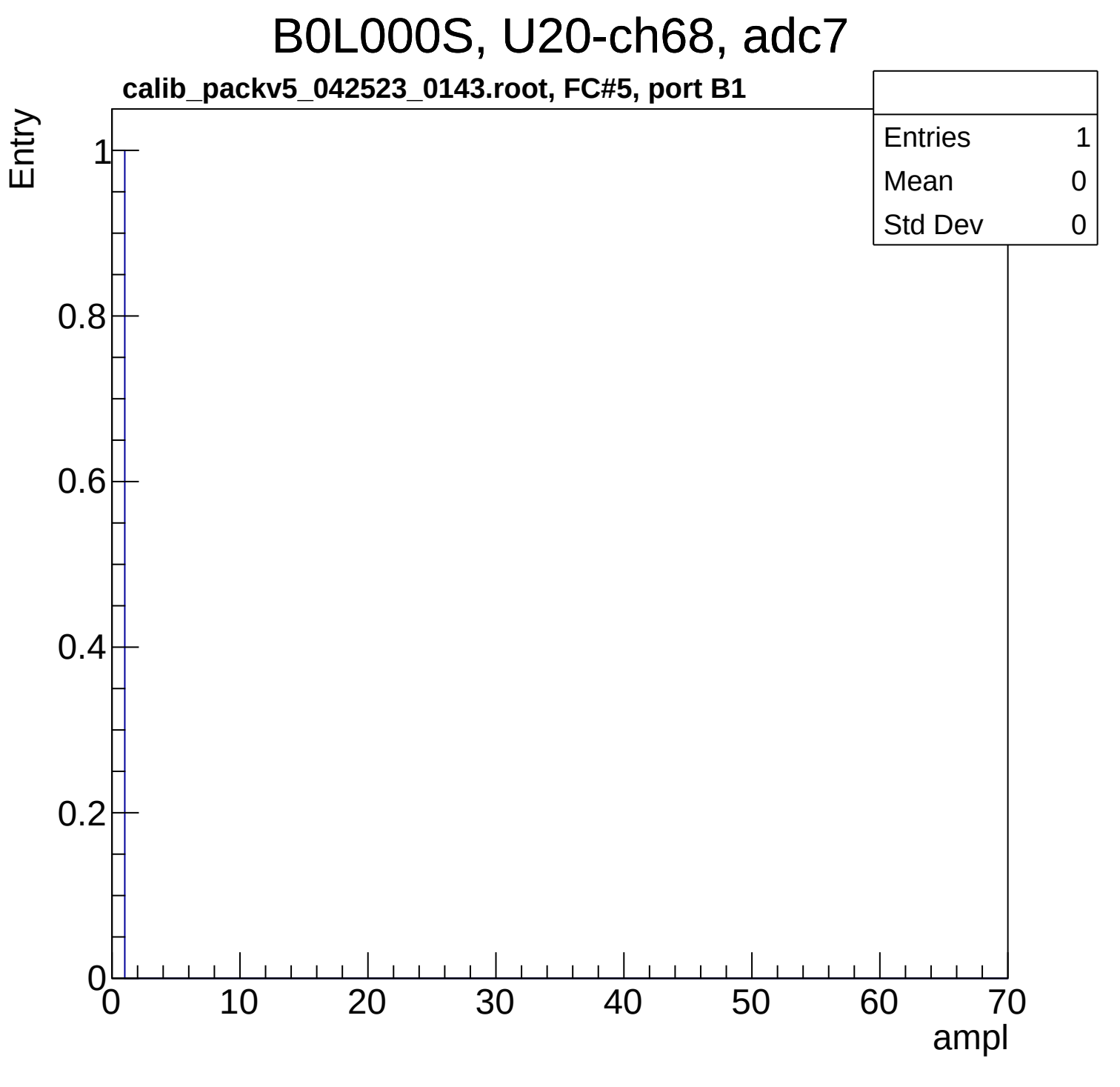
B0L000S, U20-ch68, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
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10
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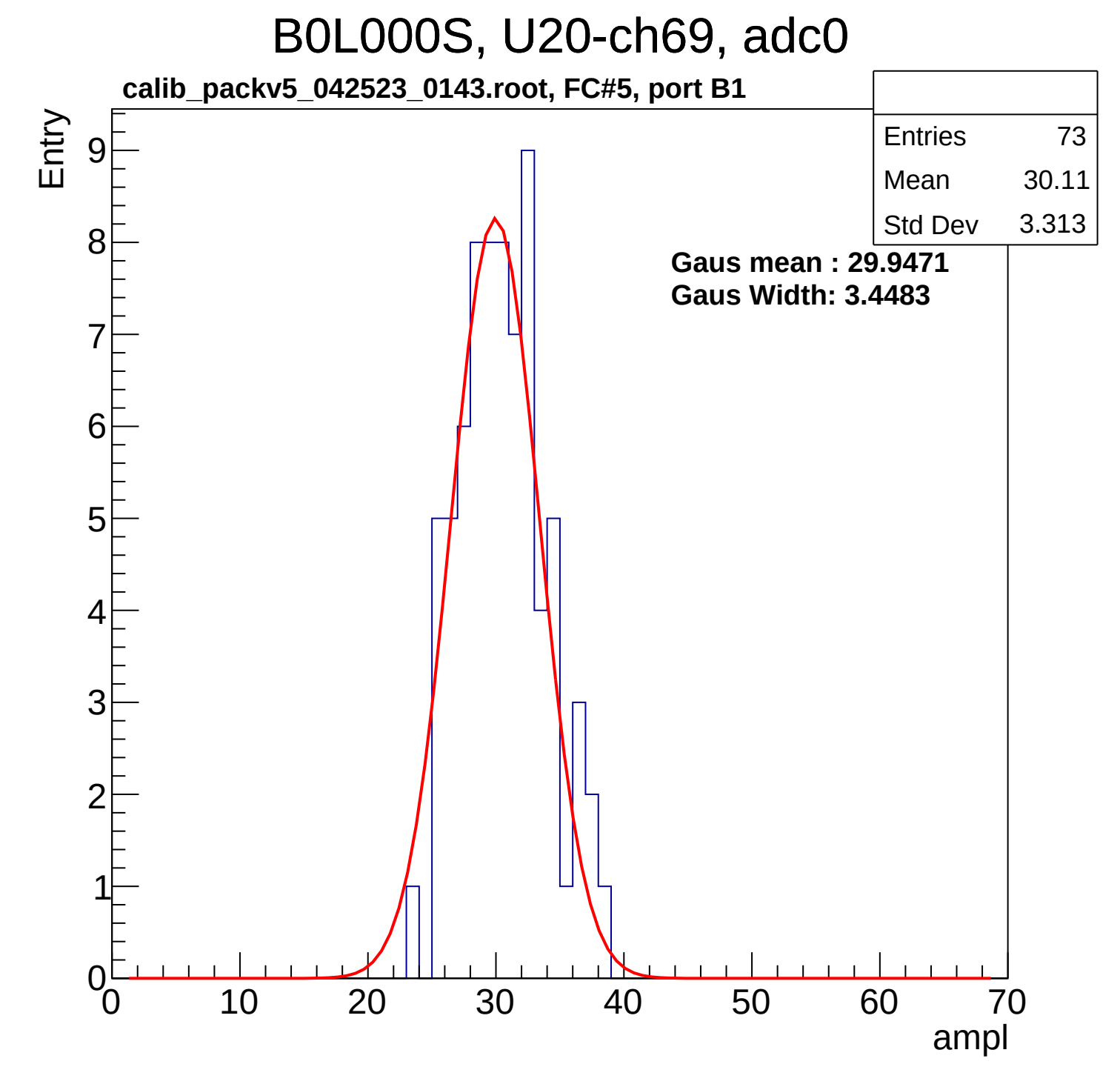
30
40
50
60
70
ampl


B0L000S, U20-ch69, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 30.11
Std Dev 3.313
Gaus mean : 29.9471
Gaus Width: 3.4483
Entry
ampl
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2
3
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5
6
7
8
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60
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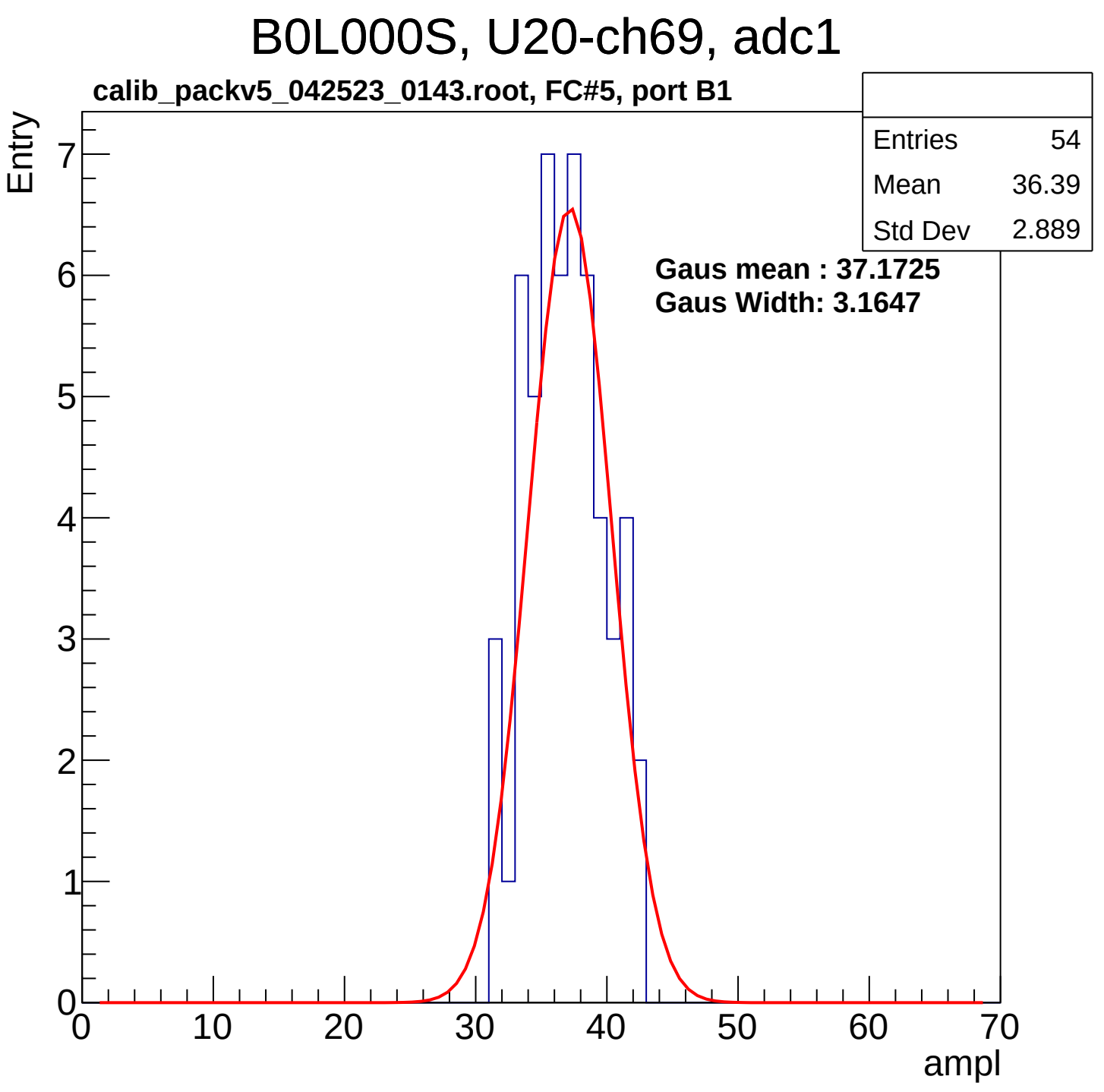
B0L000S, U20-ch69, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 36.39
Std Dev 2.889
Gaus mean : 37.1725
Gaus Width: 3.1647
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
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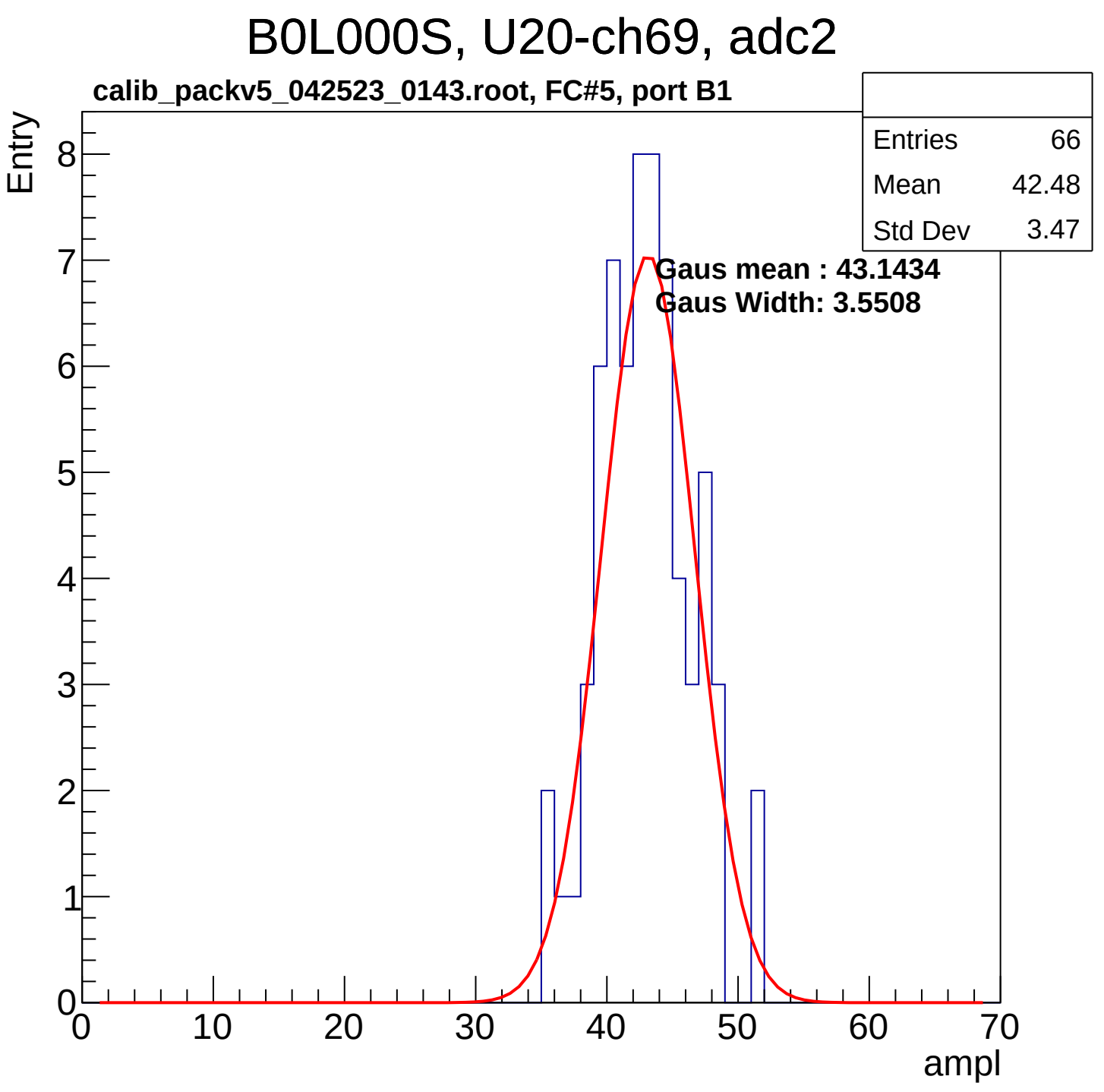
B0L000S, U20-ch69, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 42.48
Std Dev 3.47
Gaus mean : 43.1434
Gaus Width: 3.5508
Entry
ampl
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2
3
4
5
6
7
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0
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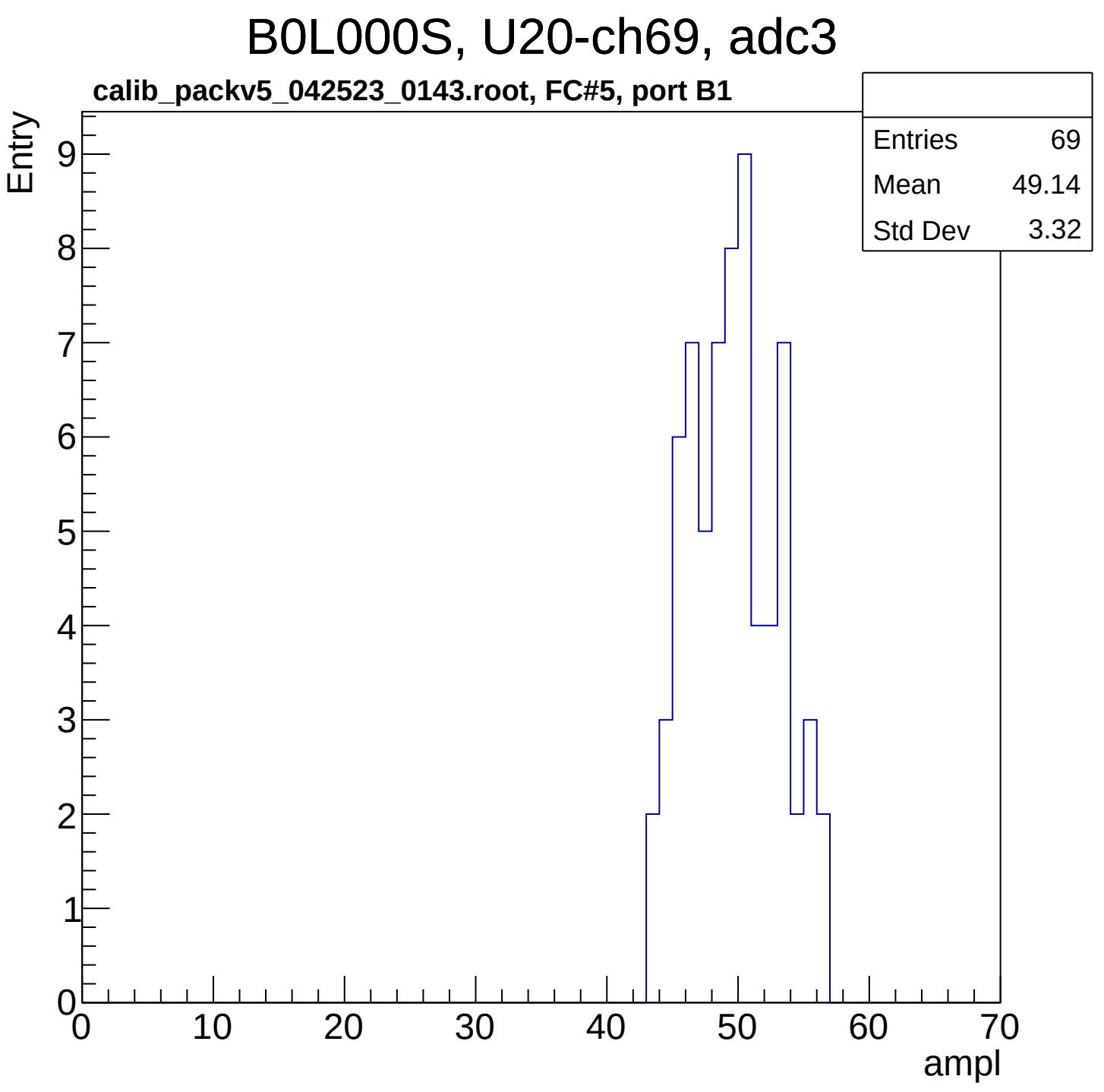
B0L000S, U20-ch69, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 49.14
Std Dev 3.32
Entry
ampl
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2
3
4
5
6
7
8
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0
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40
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60
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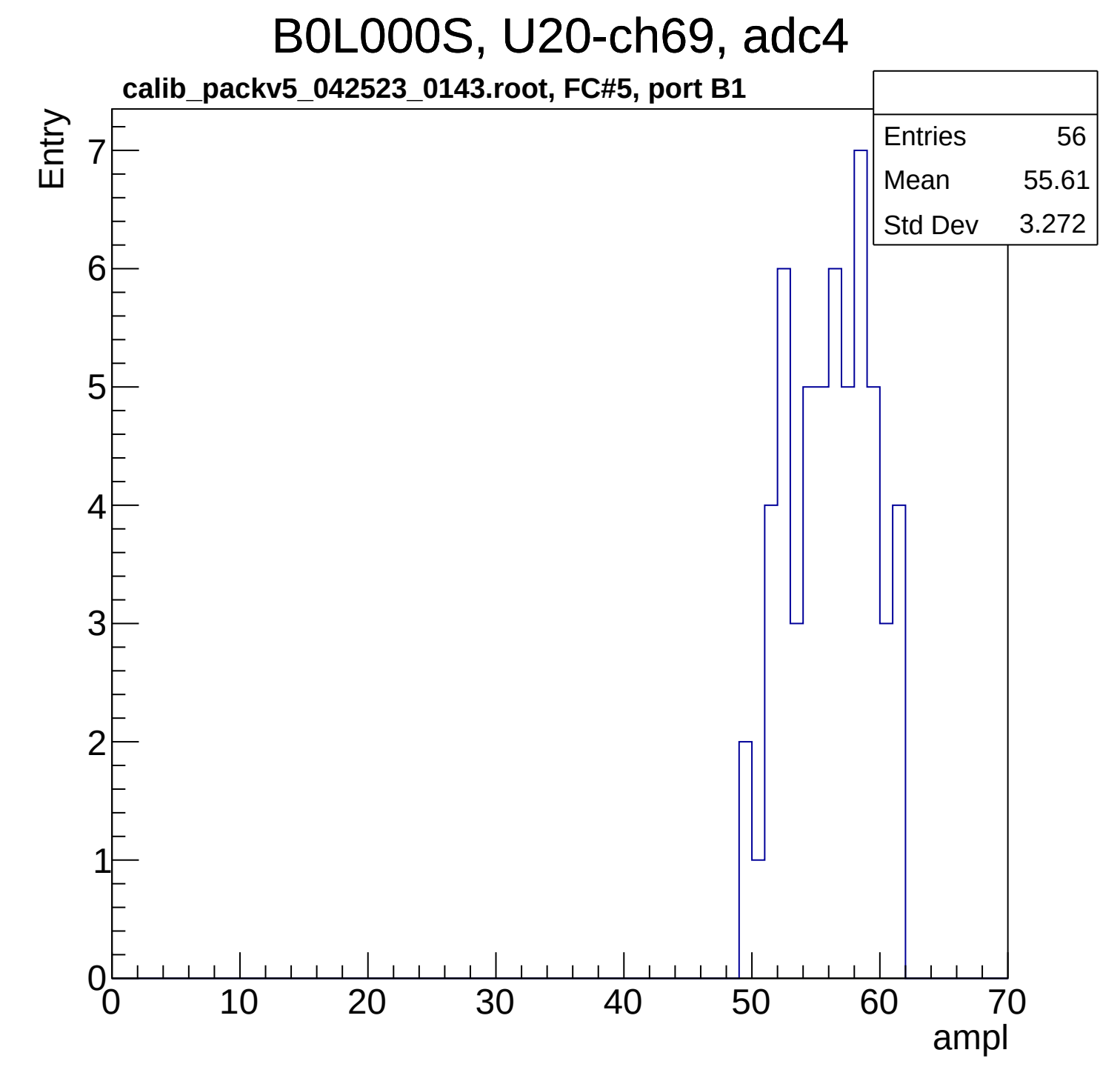
B0L000S, U20-ch69, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 55.61
Std Dev 3.272
Entry
ampl
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1
2
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4
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0
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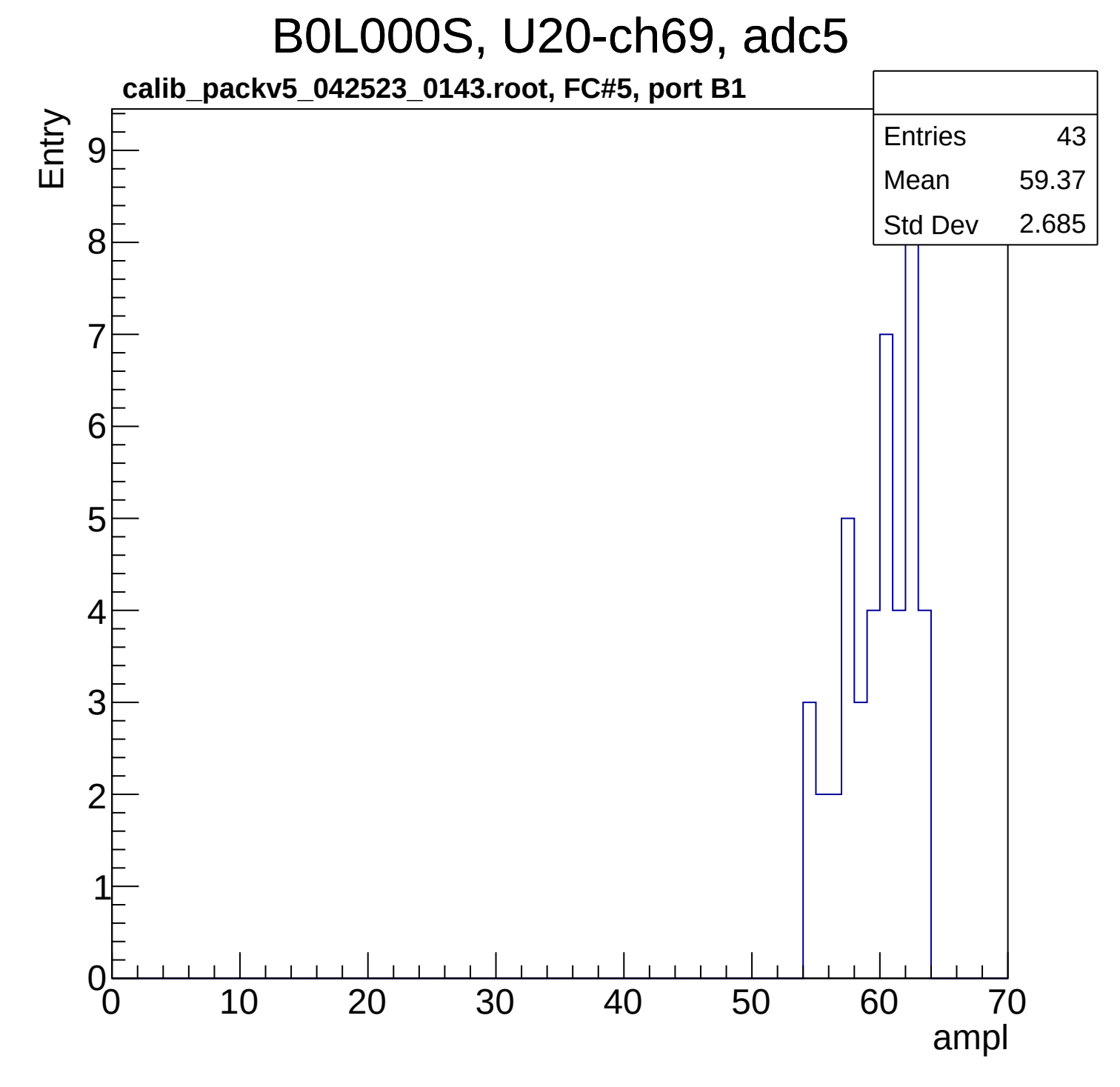
B0L000S, U20-ch69, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 59.37
Std Dev 2.685
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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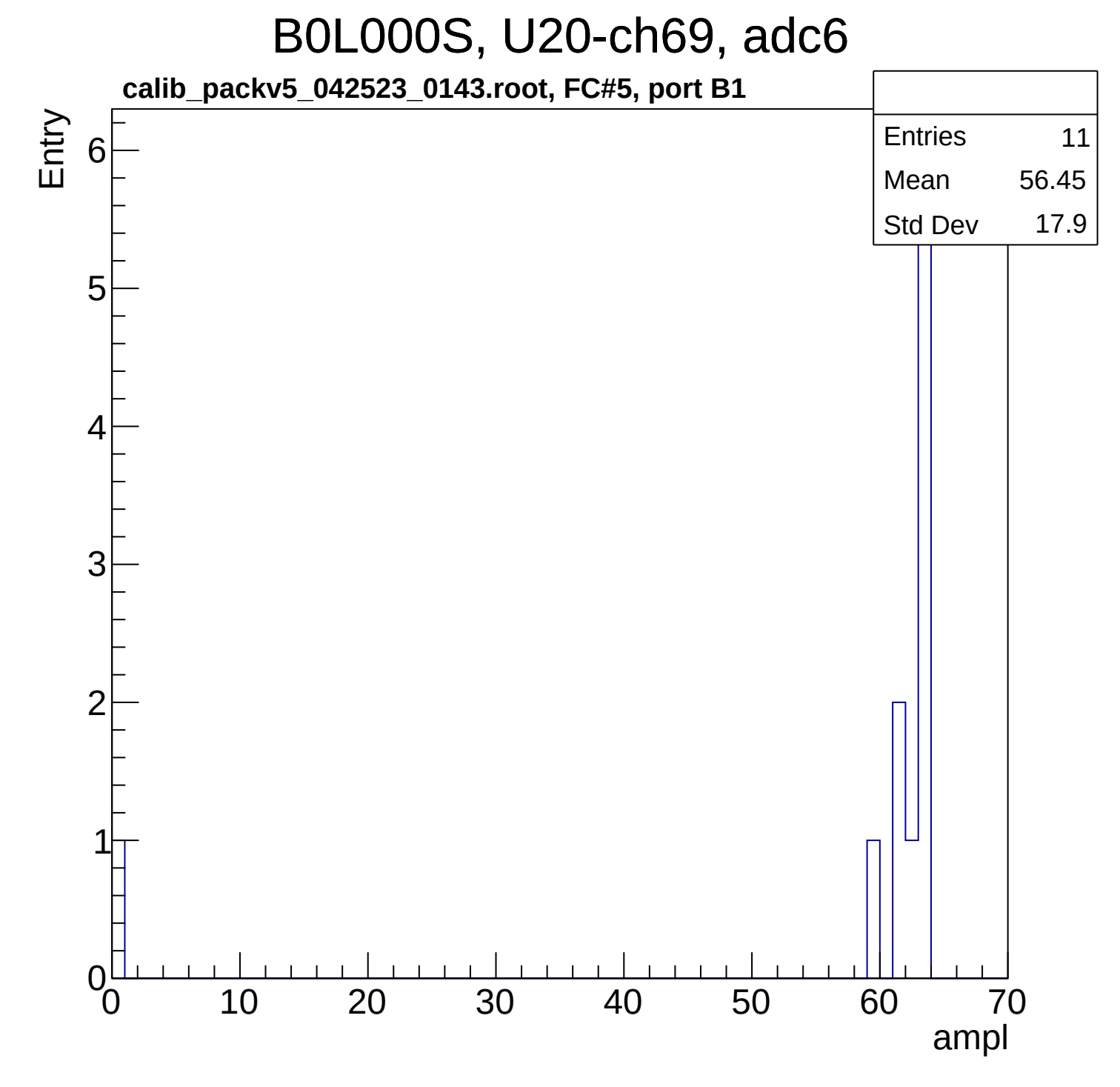
B0L000S, U20-ch69, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 56.45
Std Dev 17.9
Entry
0
1
2
3
4
5
6
0
10
20
30
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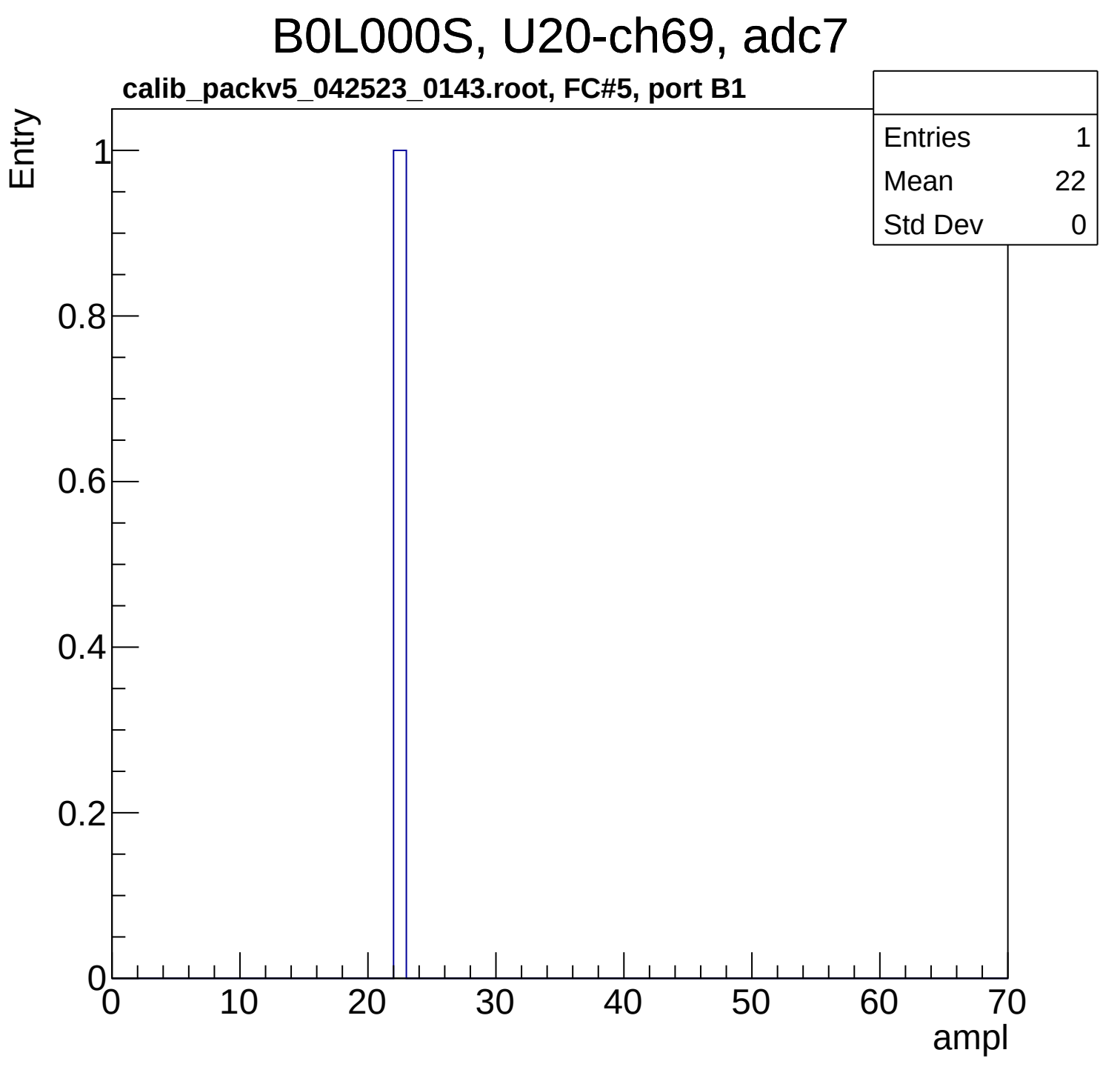
50
60
70
ampl


B0L000S, U20-ch69, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 22
Std Dev 0
Entry
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0.8
0.6
0.4
0.2
0
0
10
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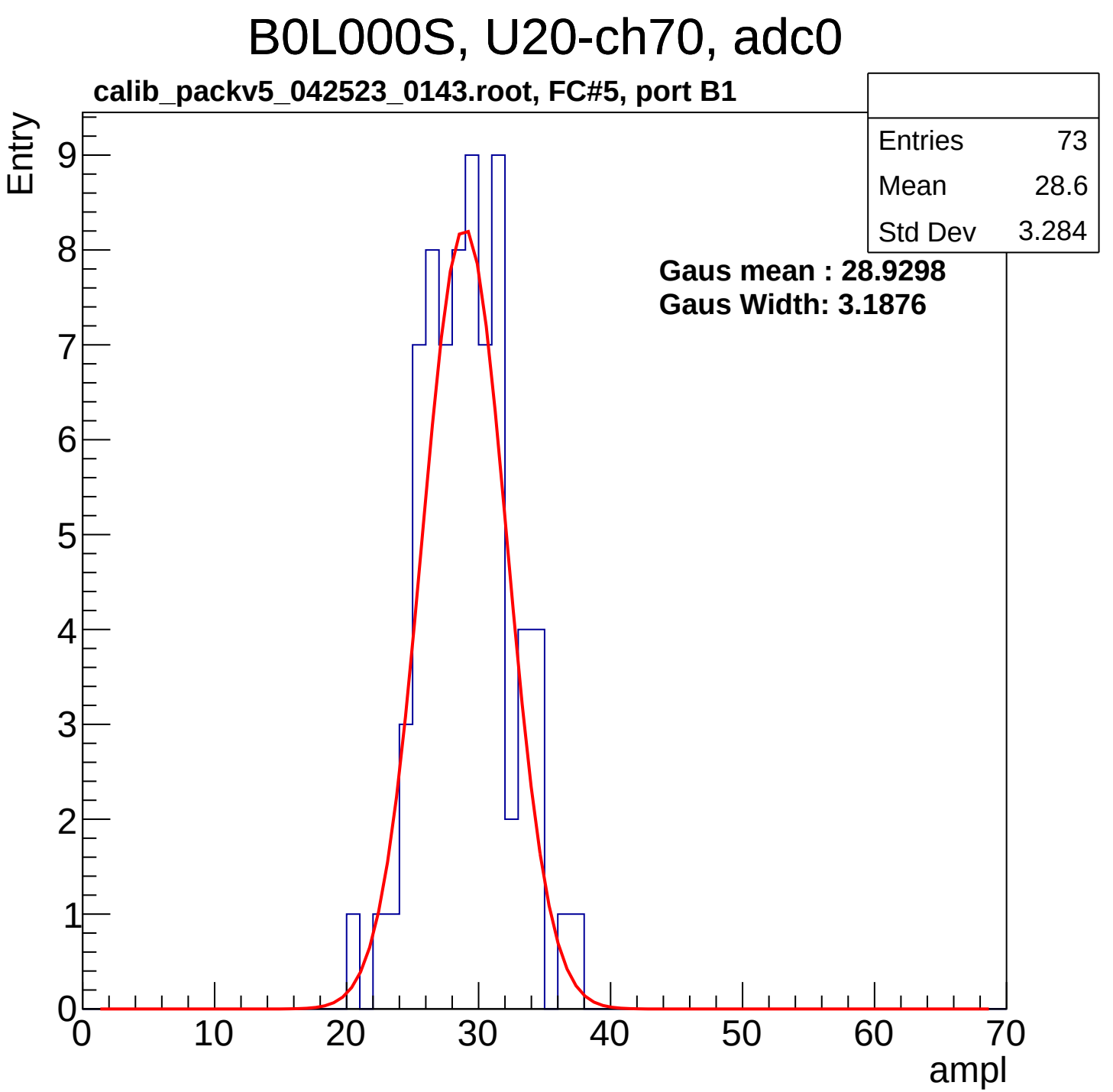
40
50
60
70
ampl


B0L000S, U20-ch70, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 28.6
Std Dev 3.284
Gaus mean : 28.9298
Gaus Width: 3.1876
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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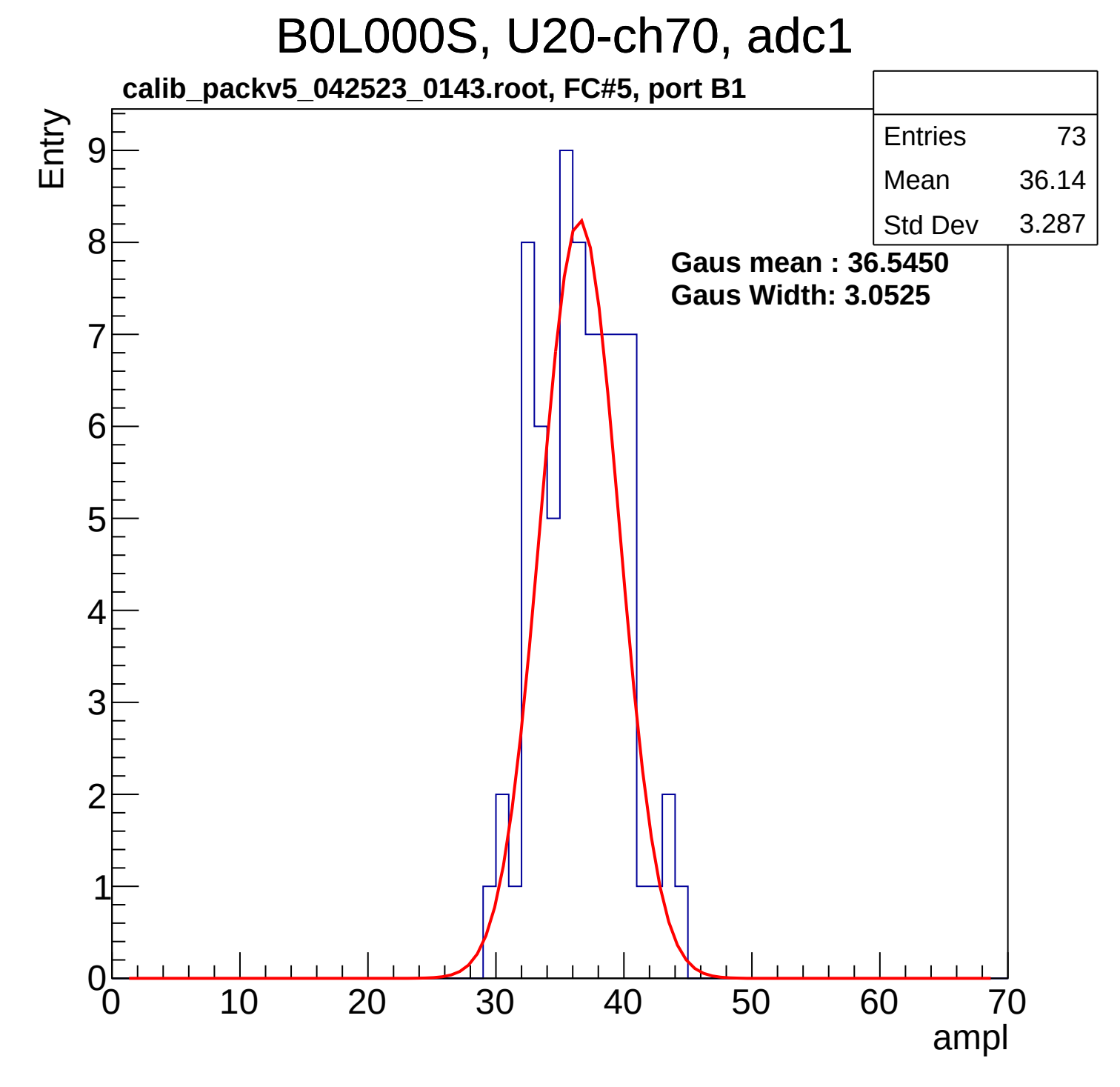
B0L000S, U20-ch70, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 36.14
Std Dev 3.287
Gaus mean : 36.5450
Gaus Width: 3.0525
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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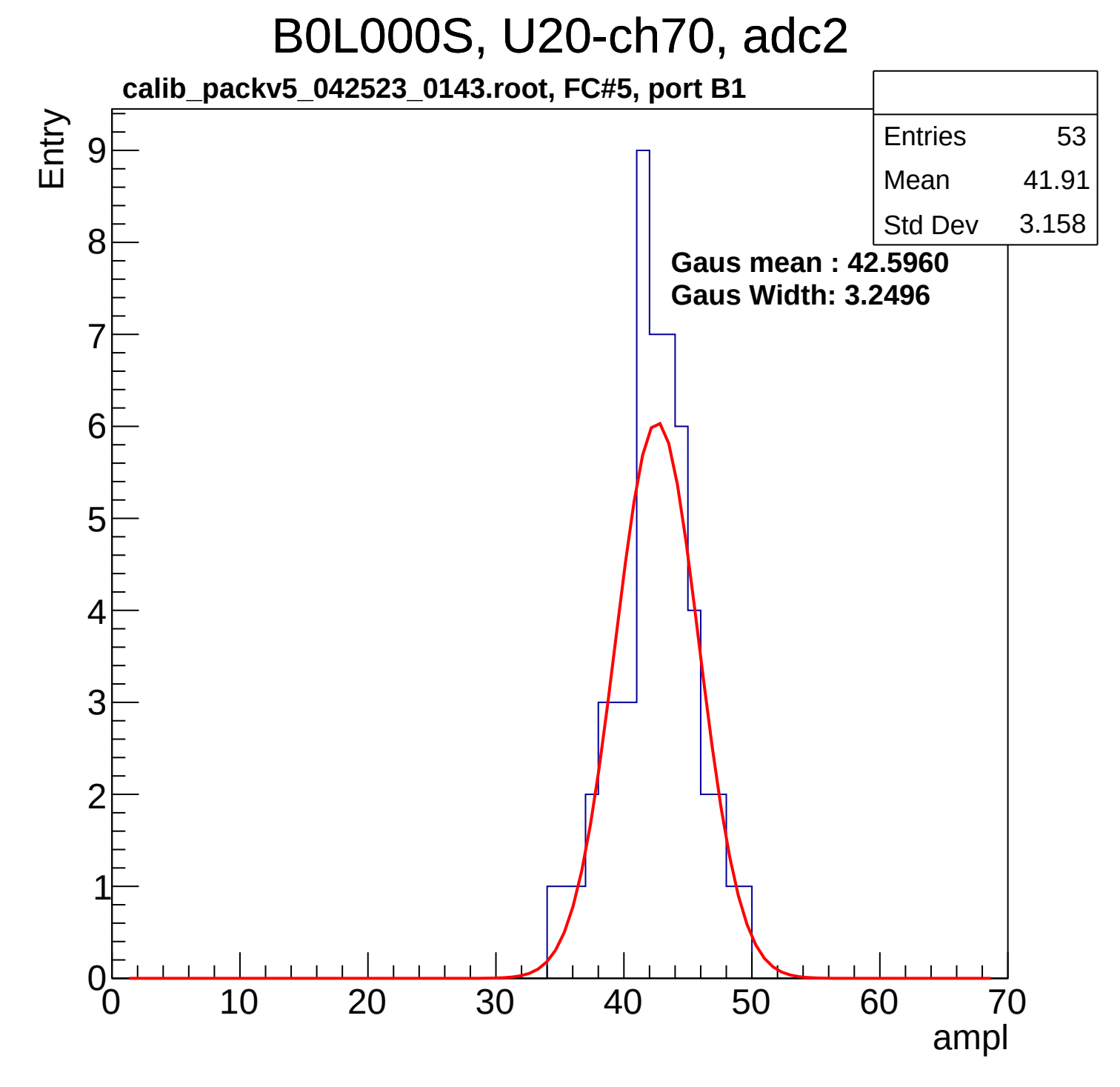
B0L000S, U20-ch70, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 41.91
Std Dev 3.158
Gaus mean : 42.5960
Gaus Width: 3.2496
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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30
40
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60
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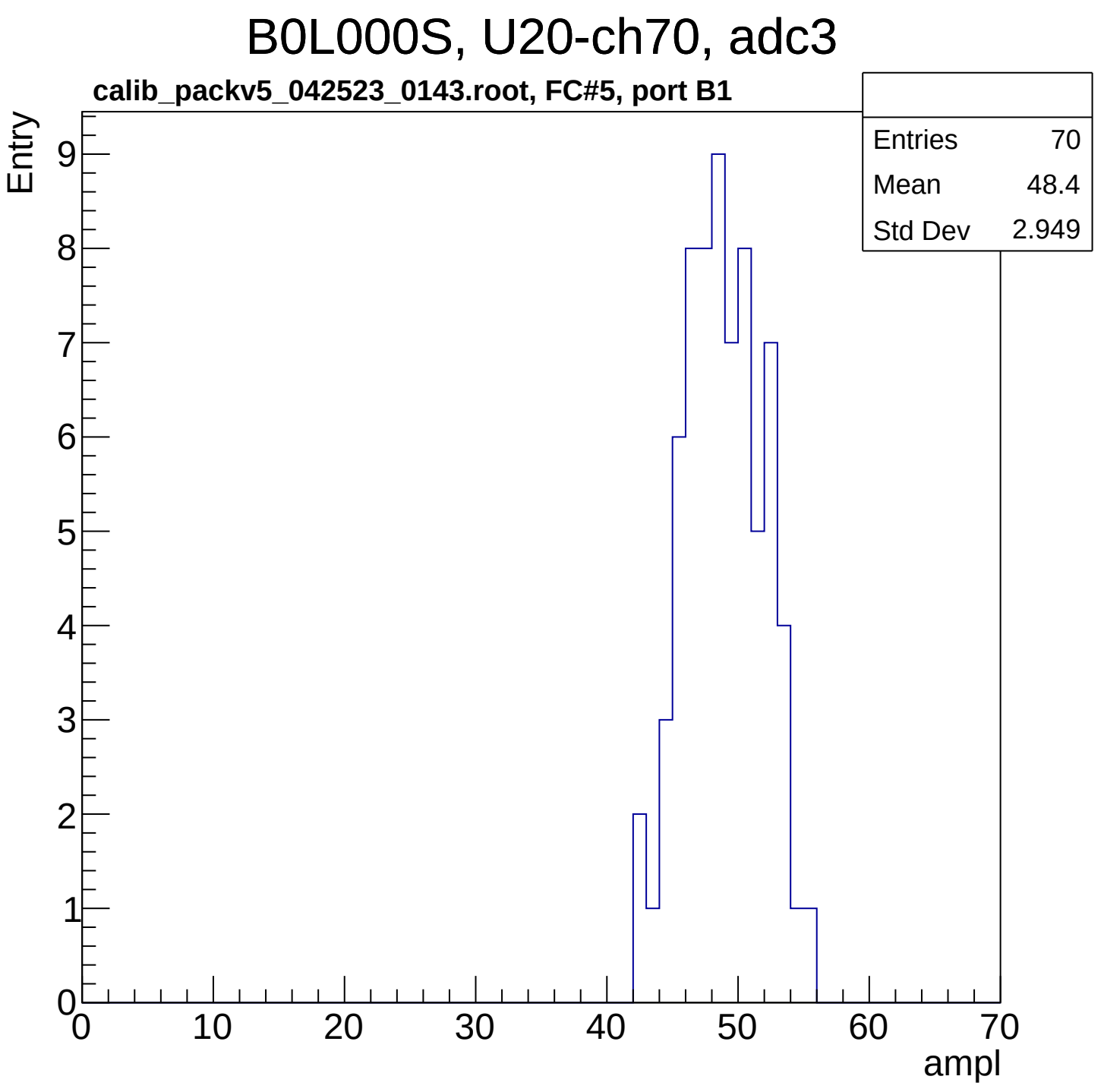
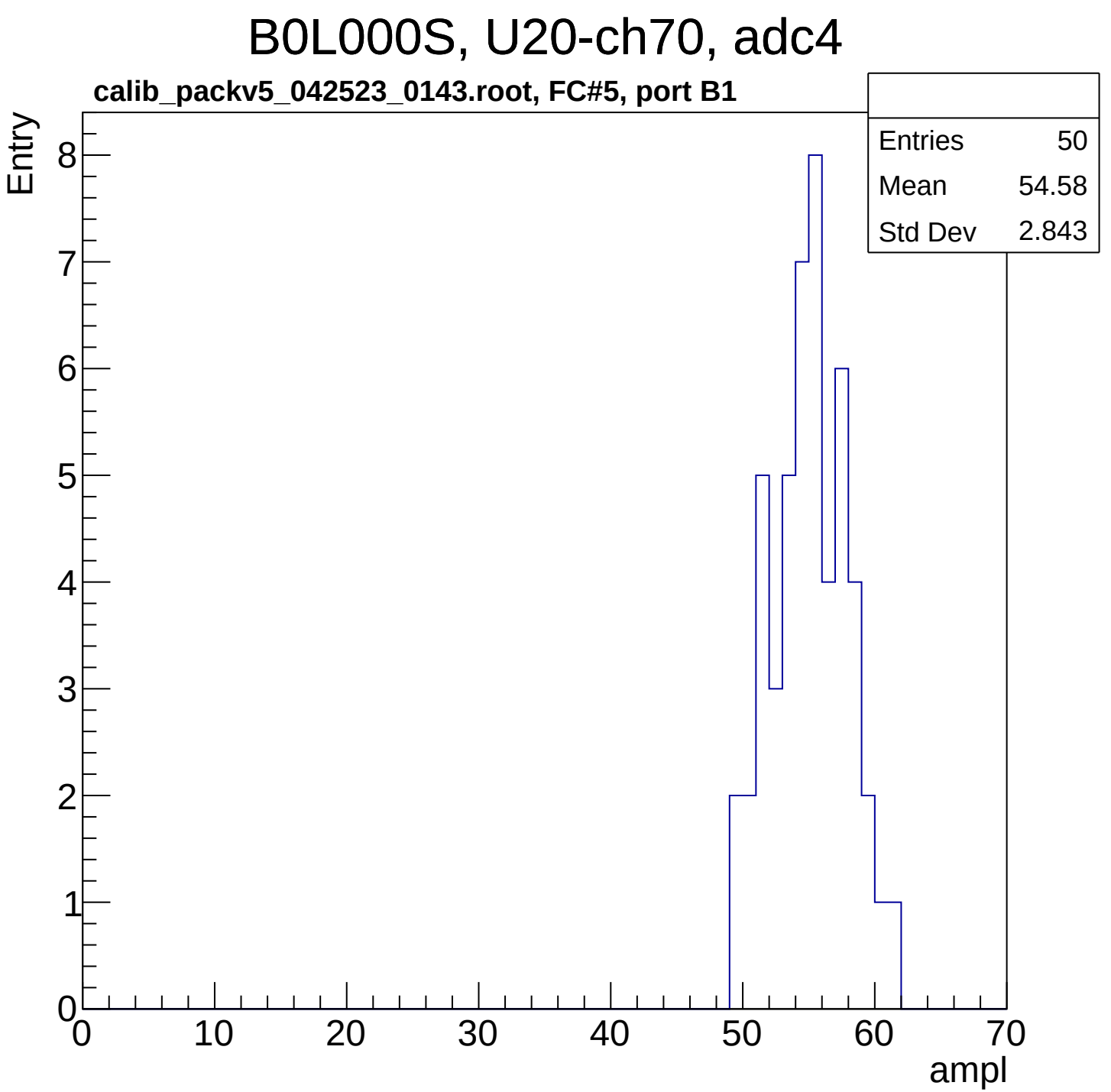
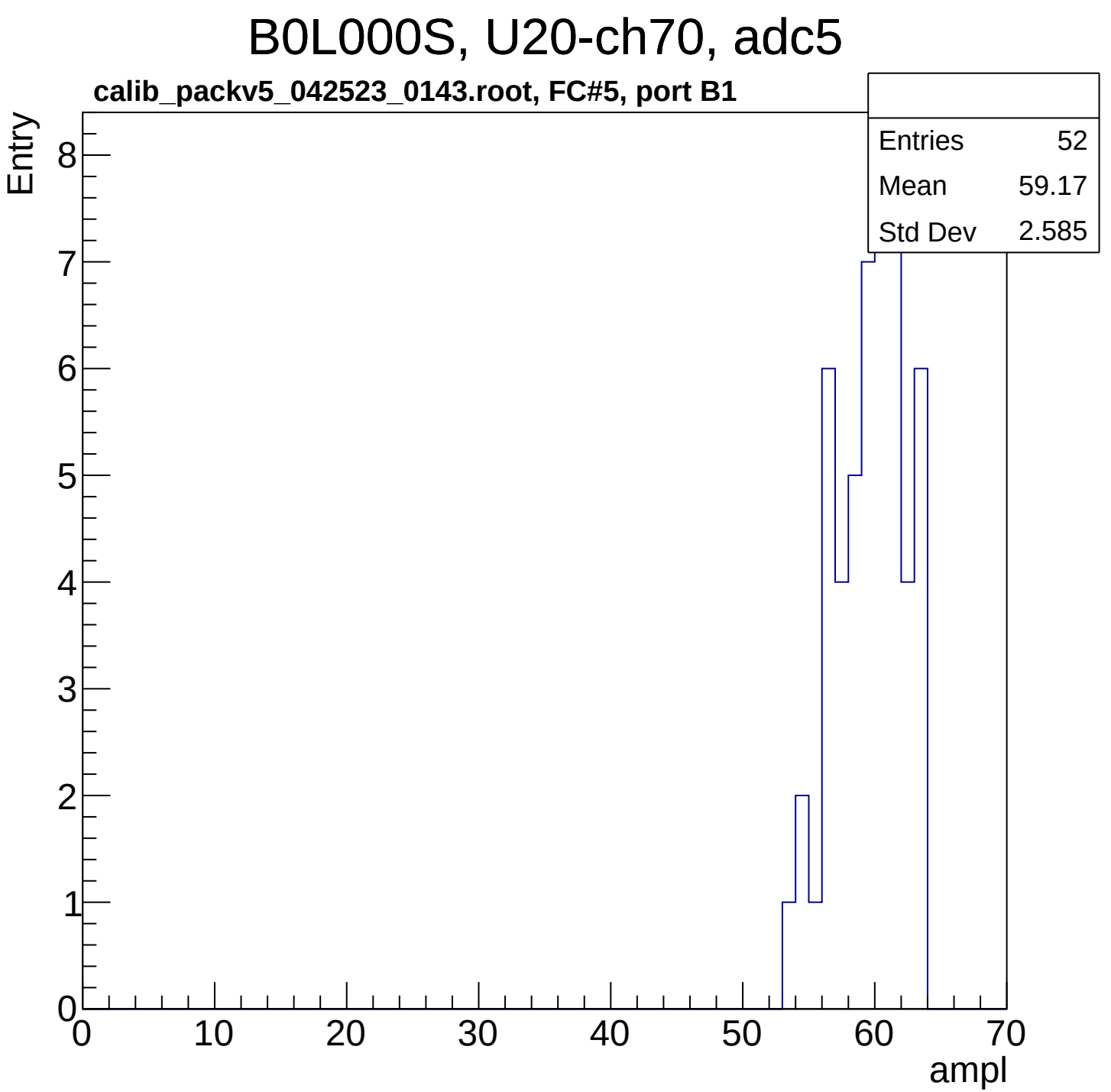
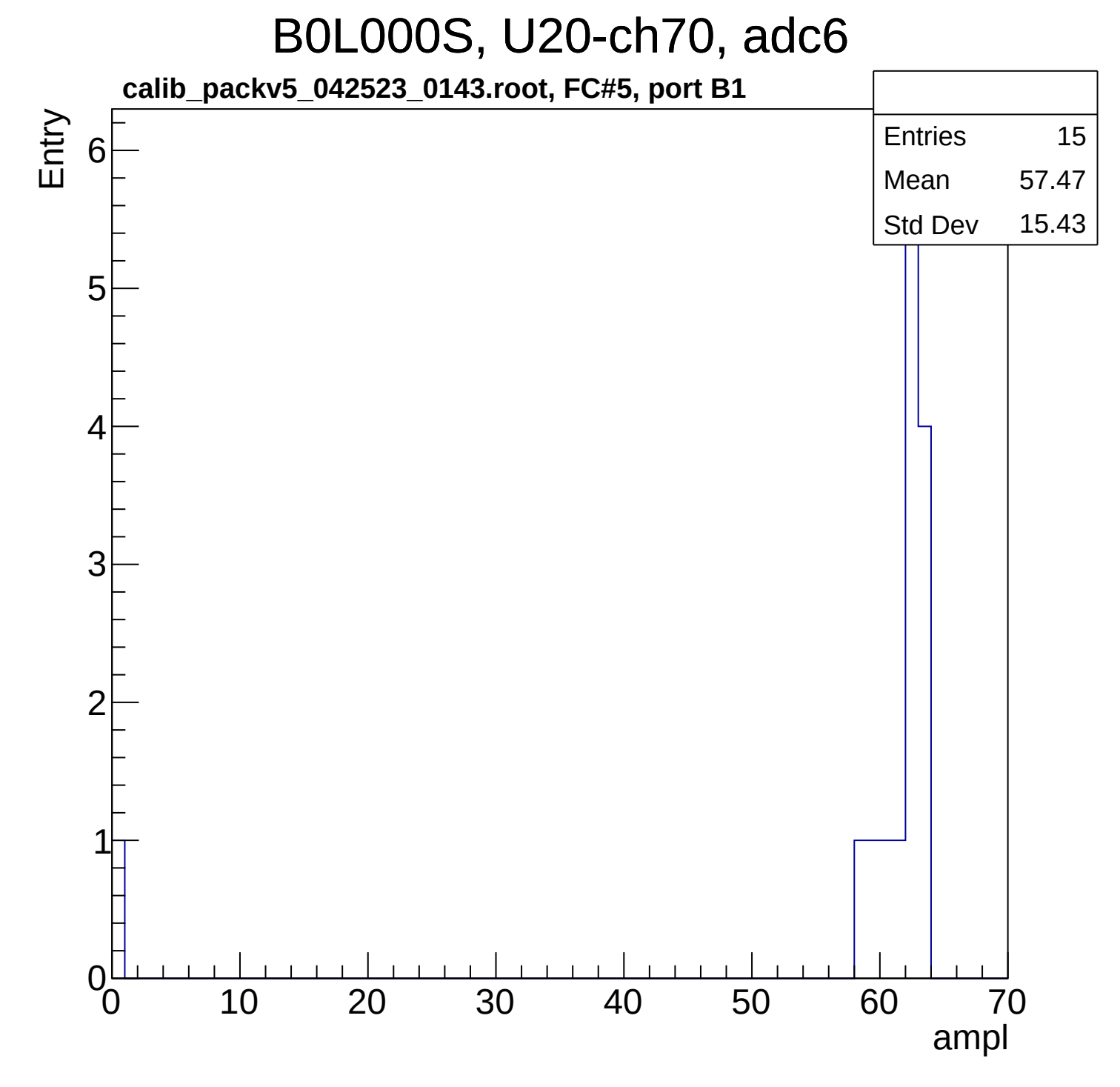
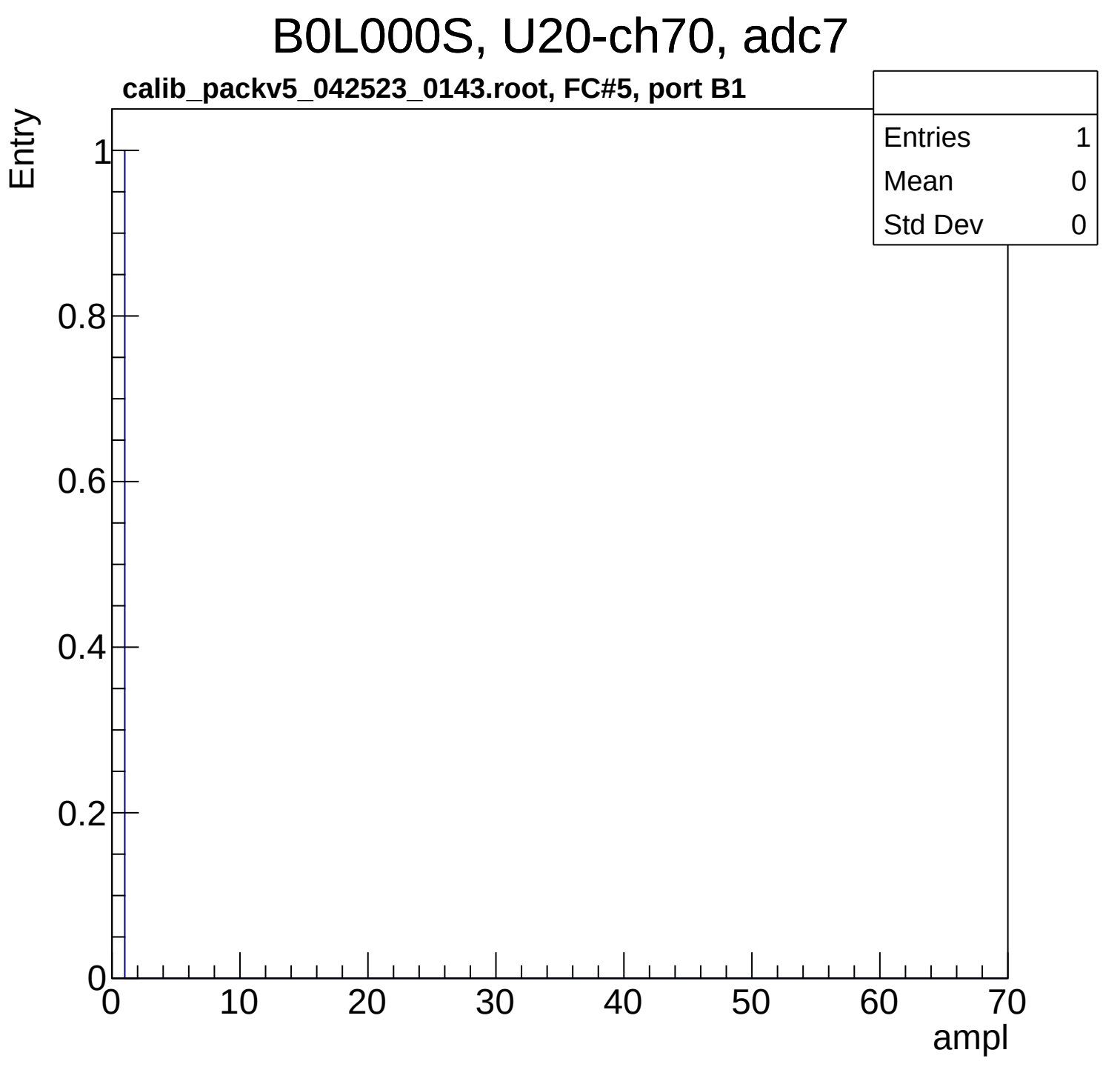
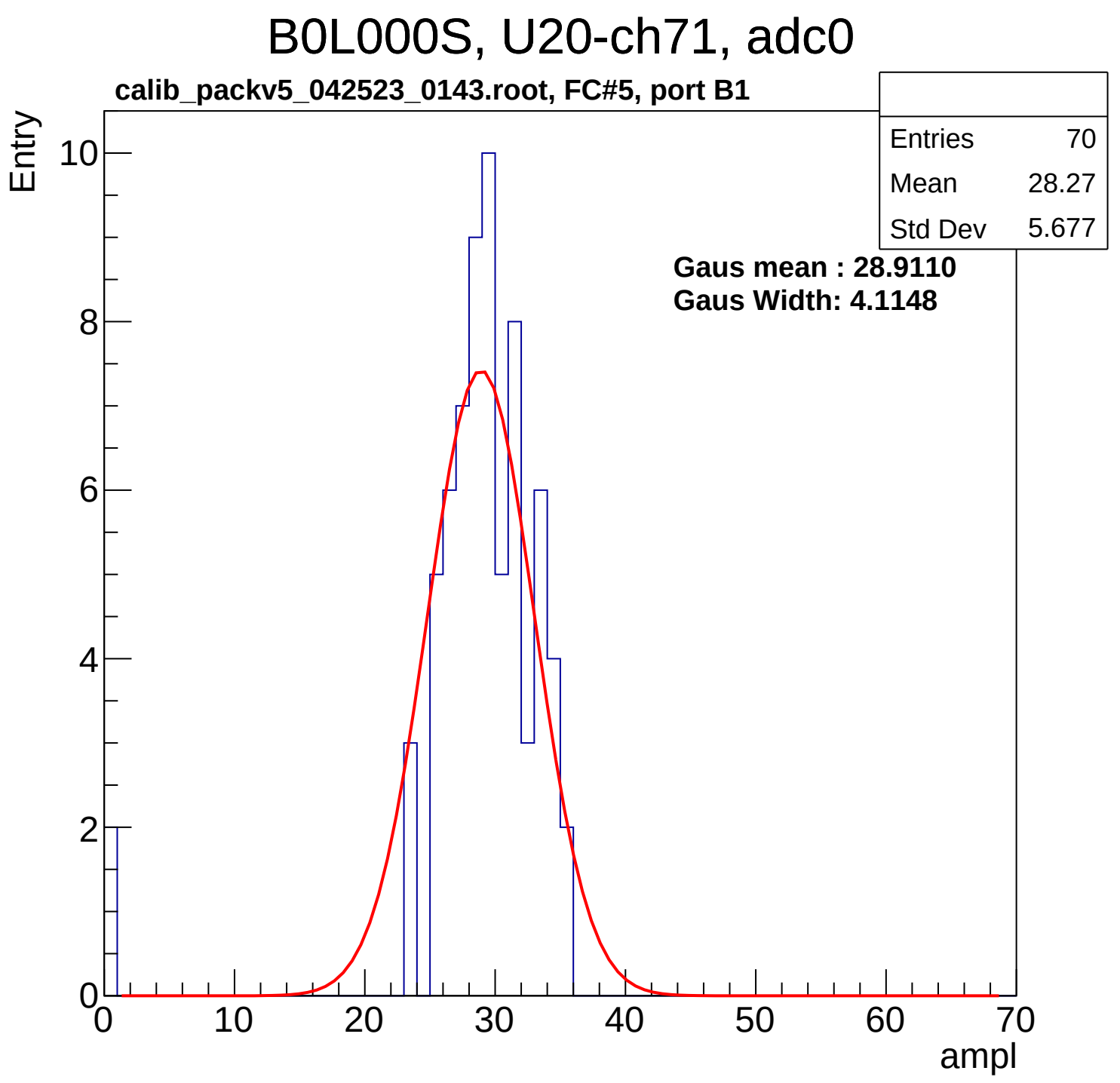

B0L000S, U20-ch70, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 48.4
Std Dev 2.949
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

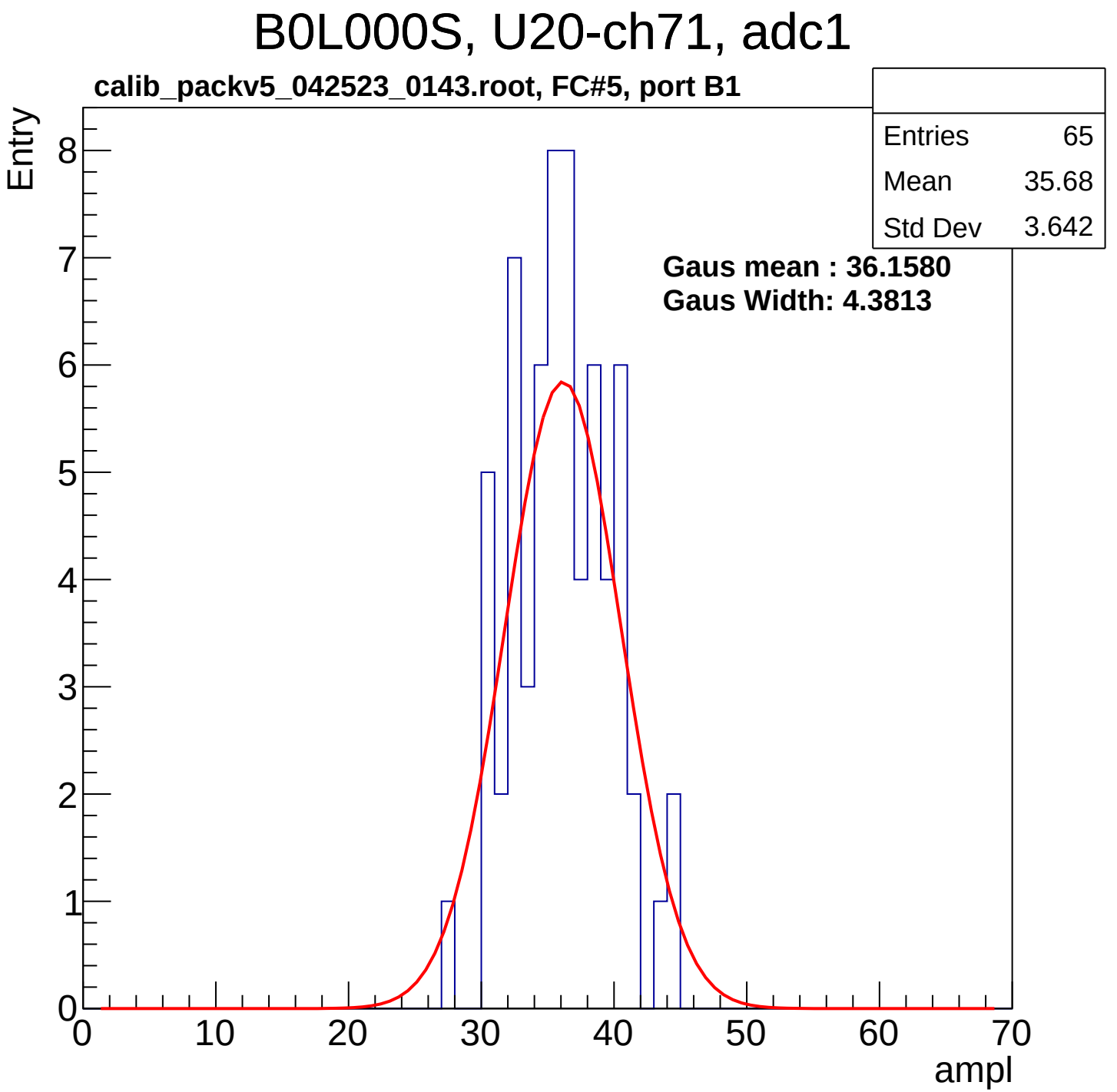

B0L000S, U20-ch70, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 54.58
Std Dev 2.843
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

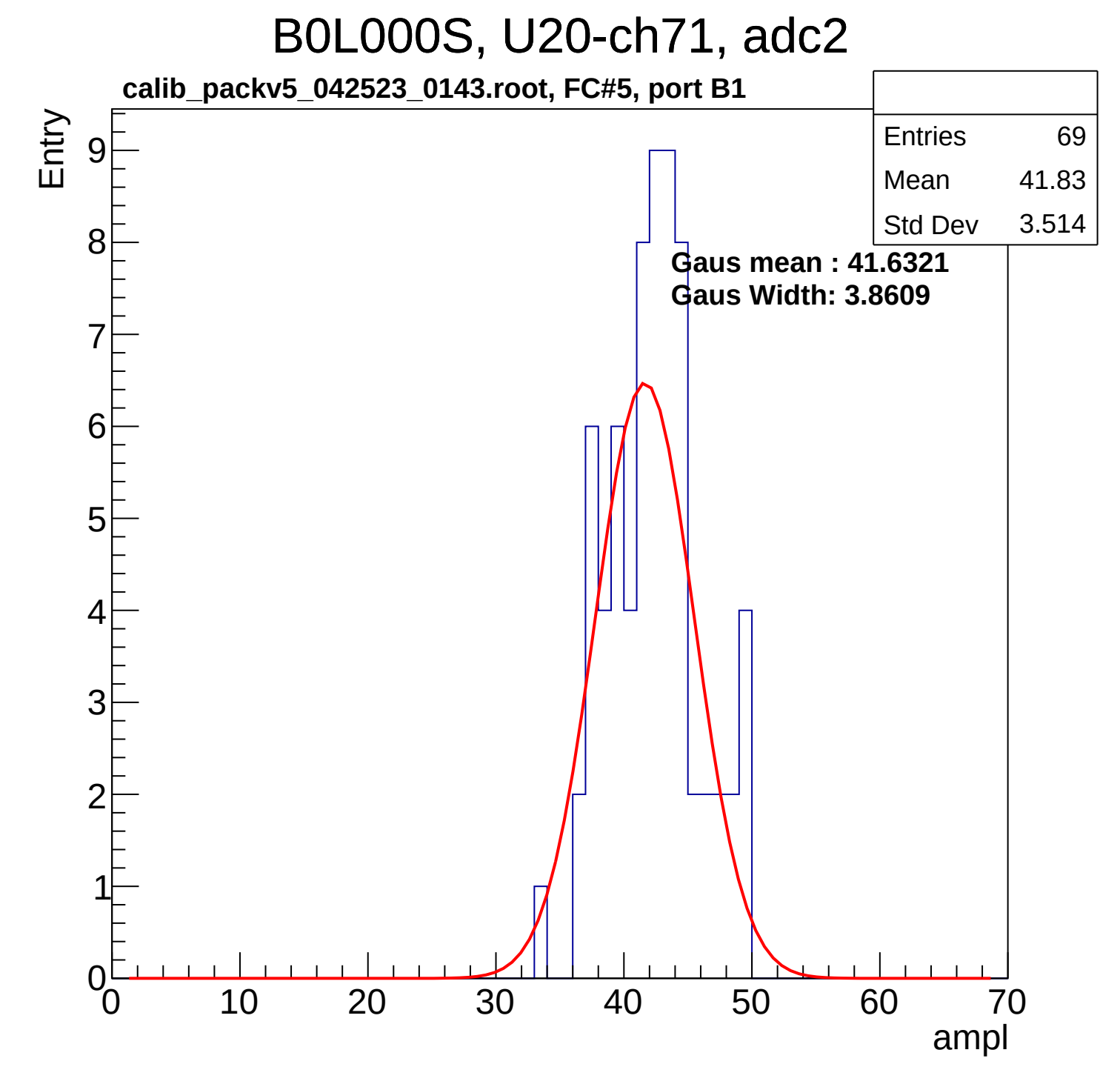

B0L000S, U20-ch70, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 59.17
Std Dev 2.585
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch70, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 15
Mean 57.47
Std Dev 15.43
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch70, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch71, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 28.27
Std Dev 5.677
Gaus mean : 28.9110
Gaus Width: 4.1148
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch71, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 35.68
Std Dev 3.642
Gaus mean : 36.1580
Gaus Width: 4.3813
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch71, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 41.83
Std Dev 3.514
Gaus mean : 41.6321
Gaus Width: 3.8609
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
30
40
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60
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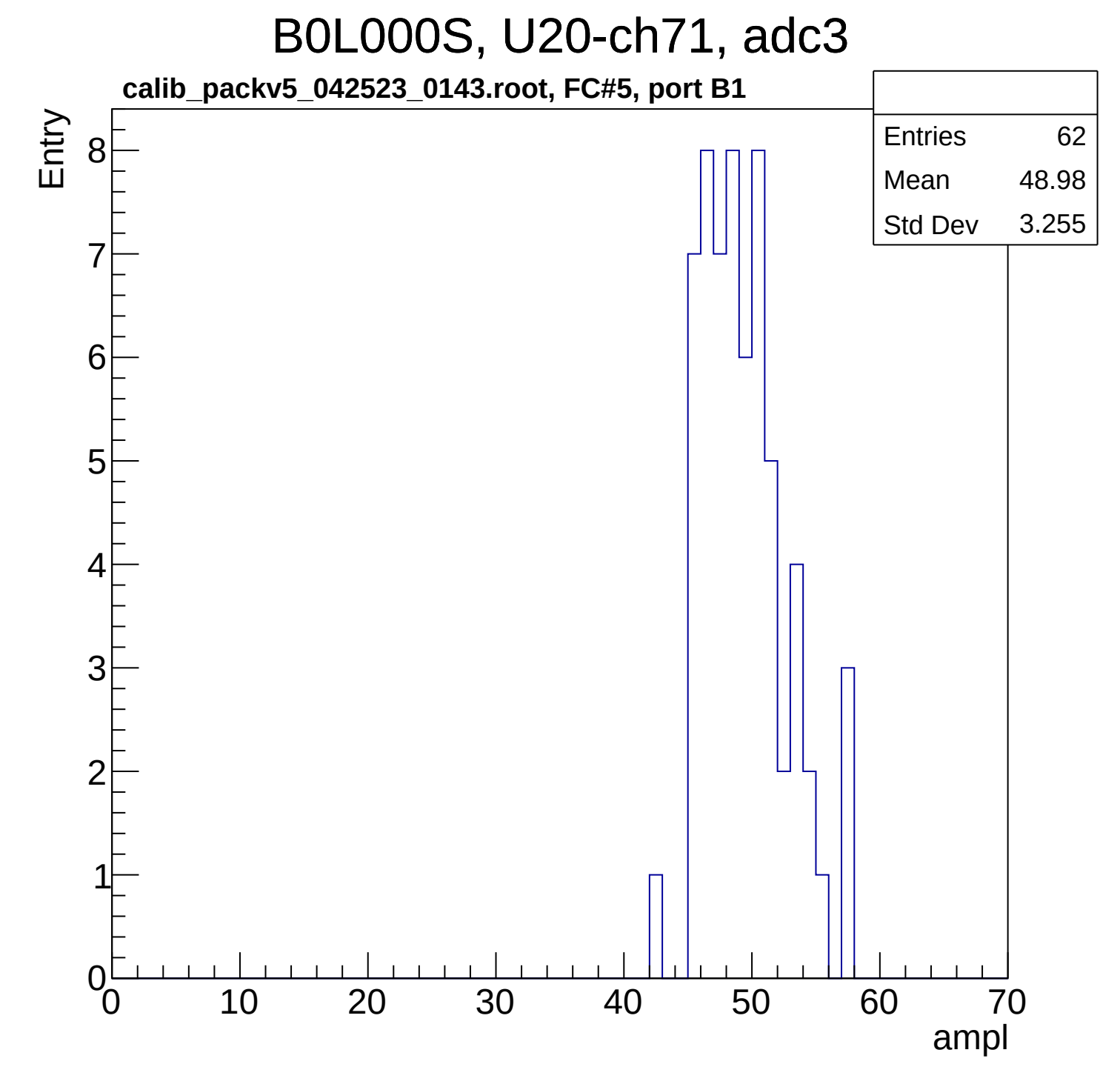
B0L000S, U20-ch71, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 48.98
Std Dev 3.255
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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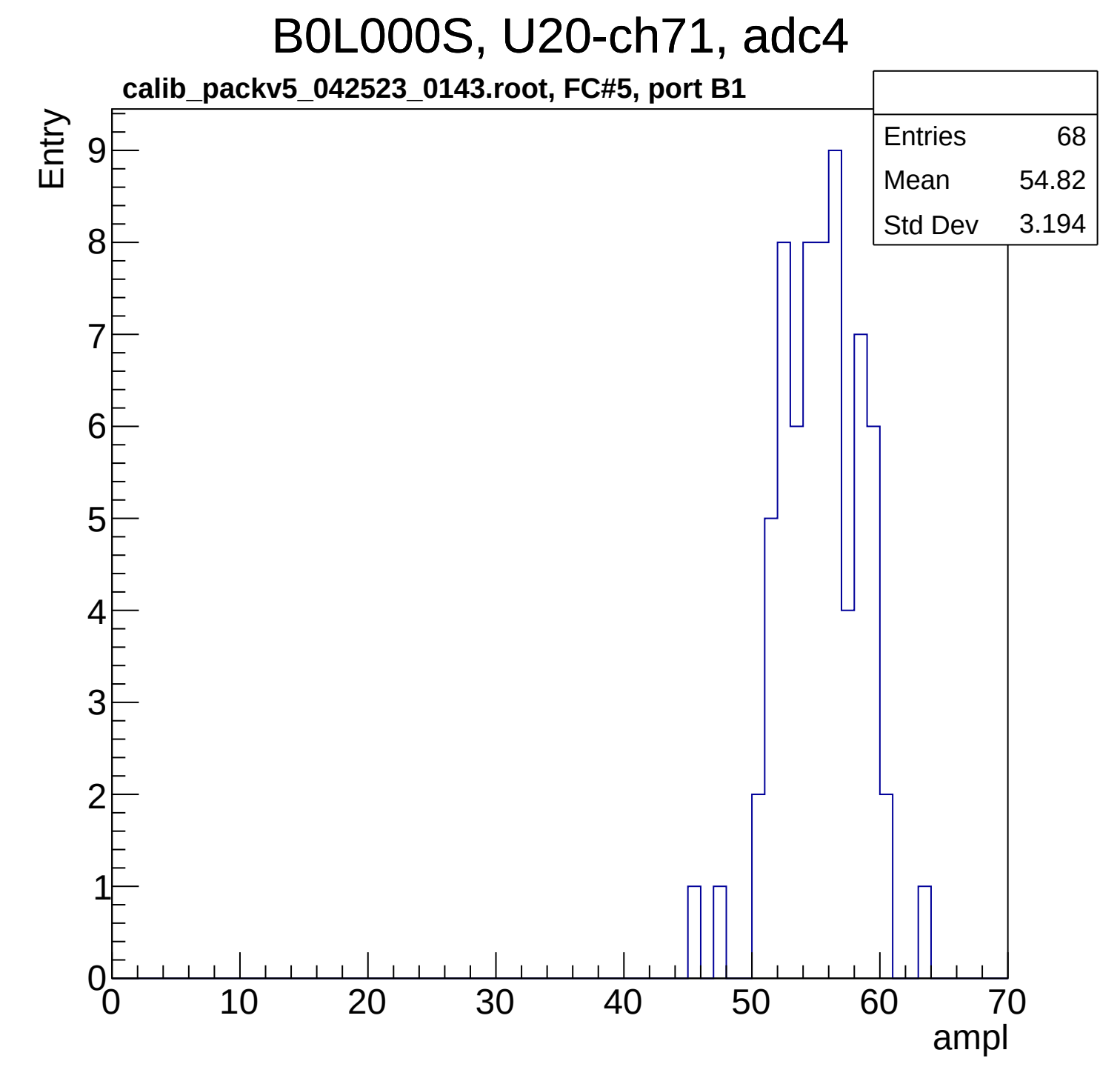
B0L000S, U20-ch71, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 54.82
Std Dev 3.194
Entry
ampl
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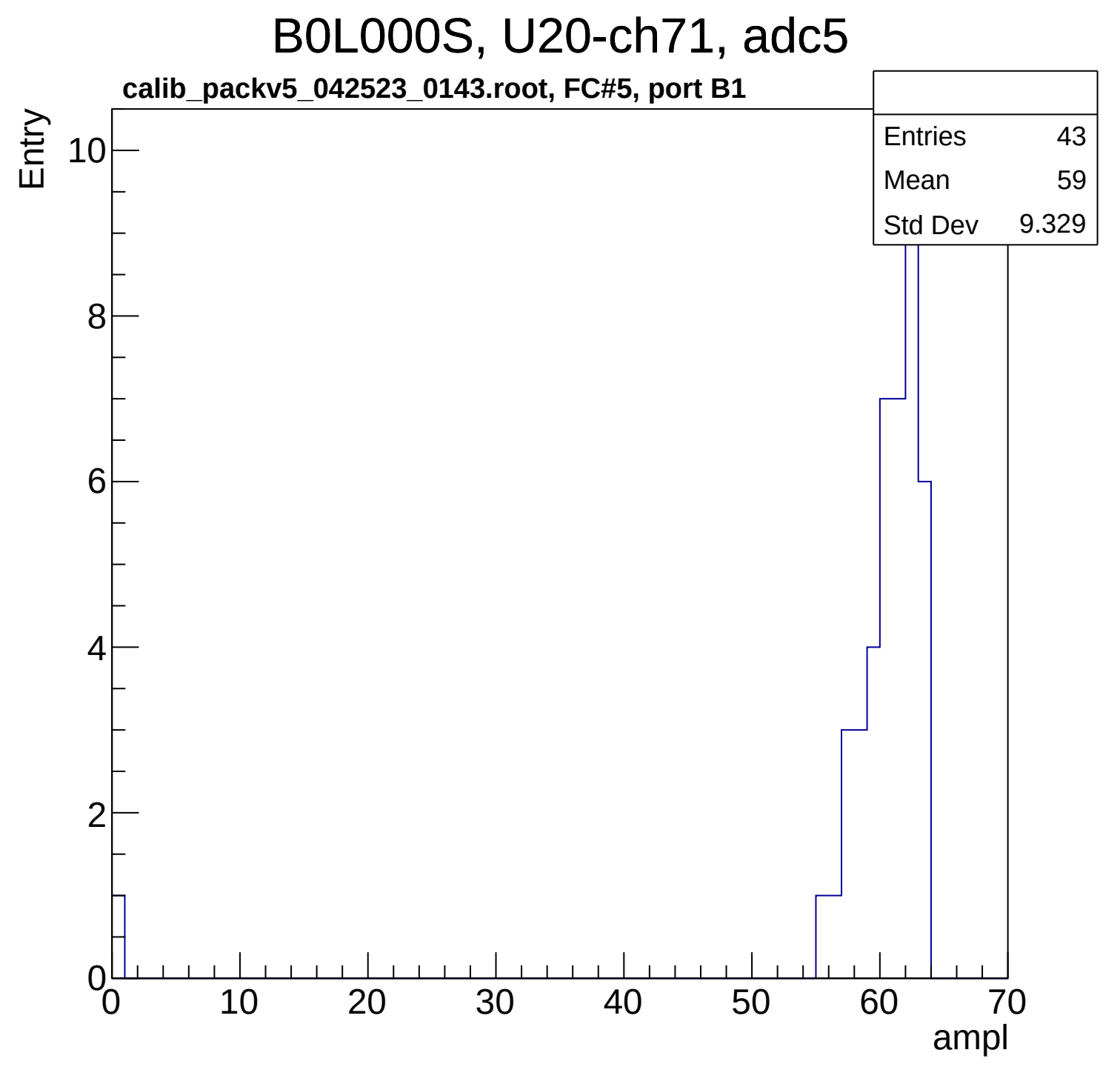
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch71, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 59
Std Dev 9.329
Entry
ampl
0
2
4
6
8
10
0
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20
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40
50
60
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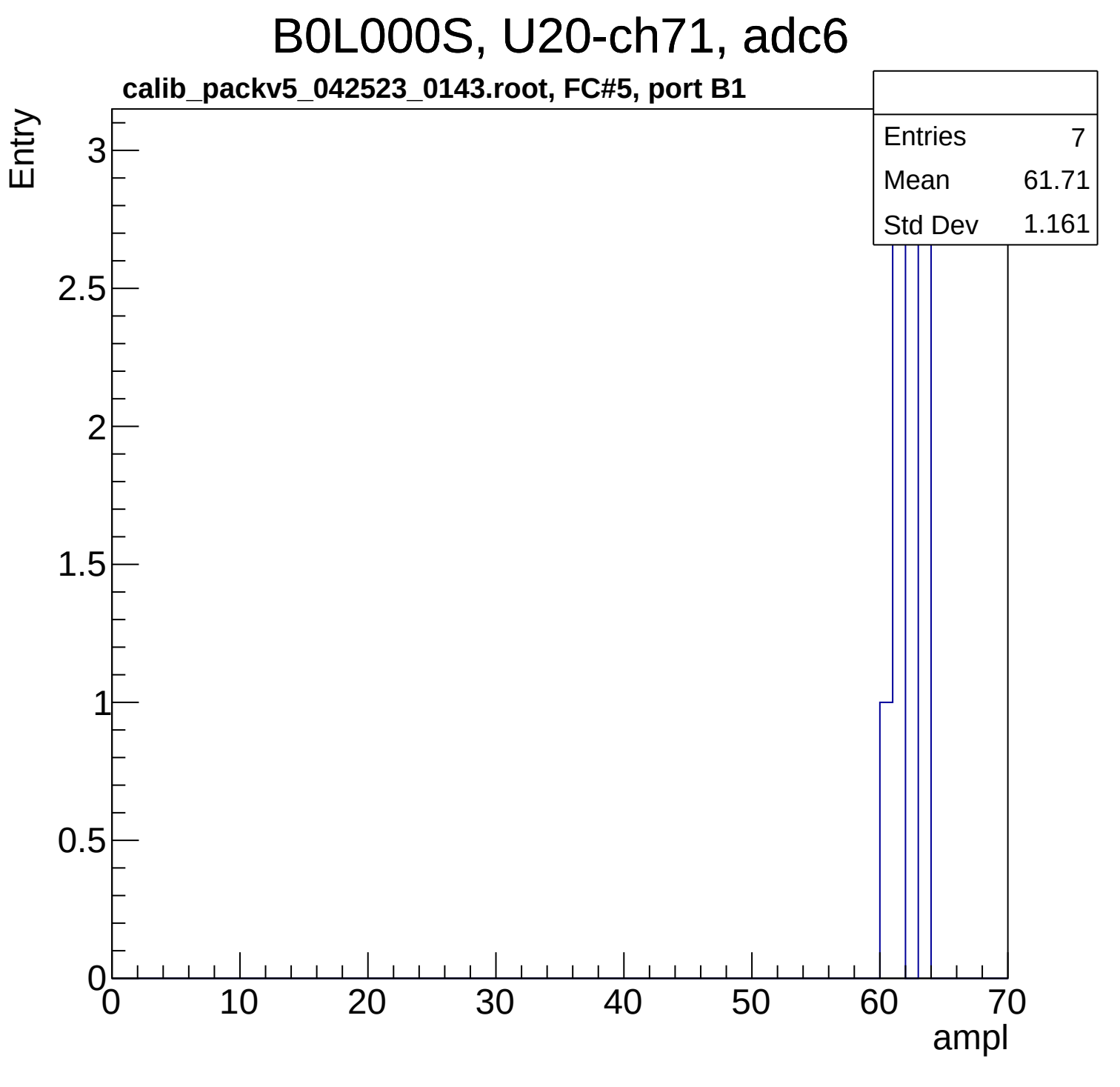
B0L000S, U20-ch71, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 61.71
Std Dev 1.161
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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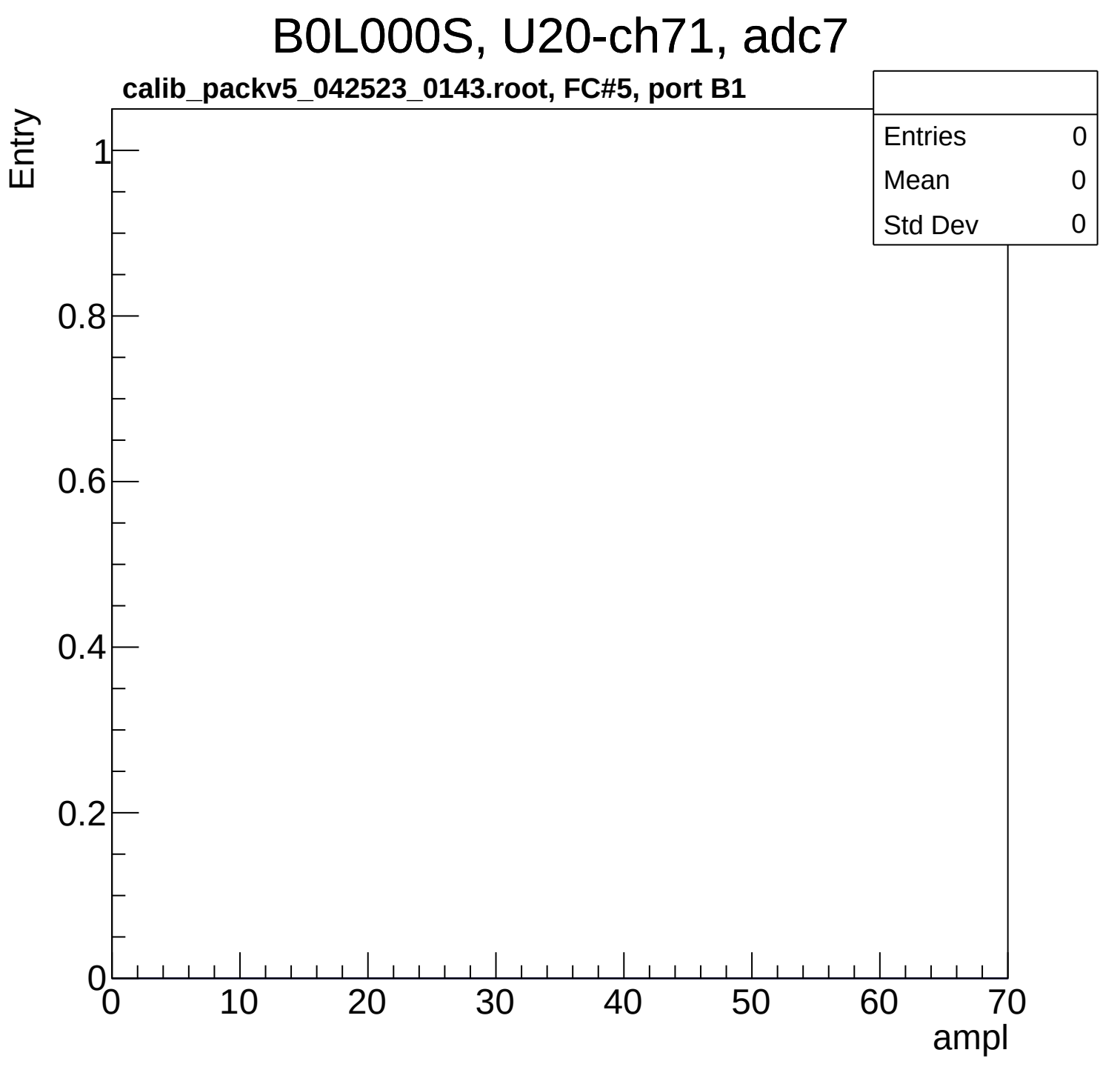
B0L000S, U20-ch71, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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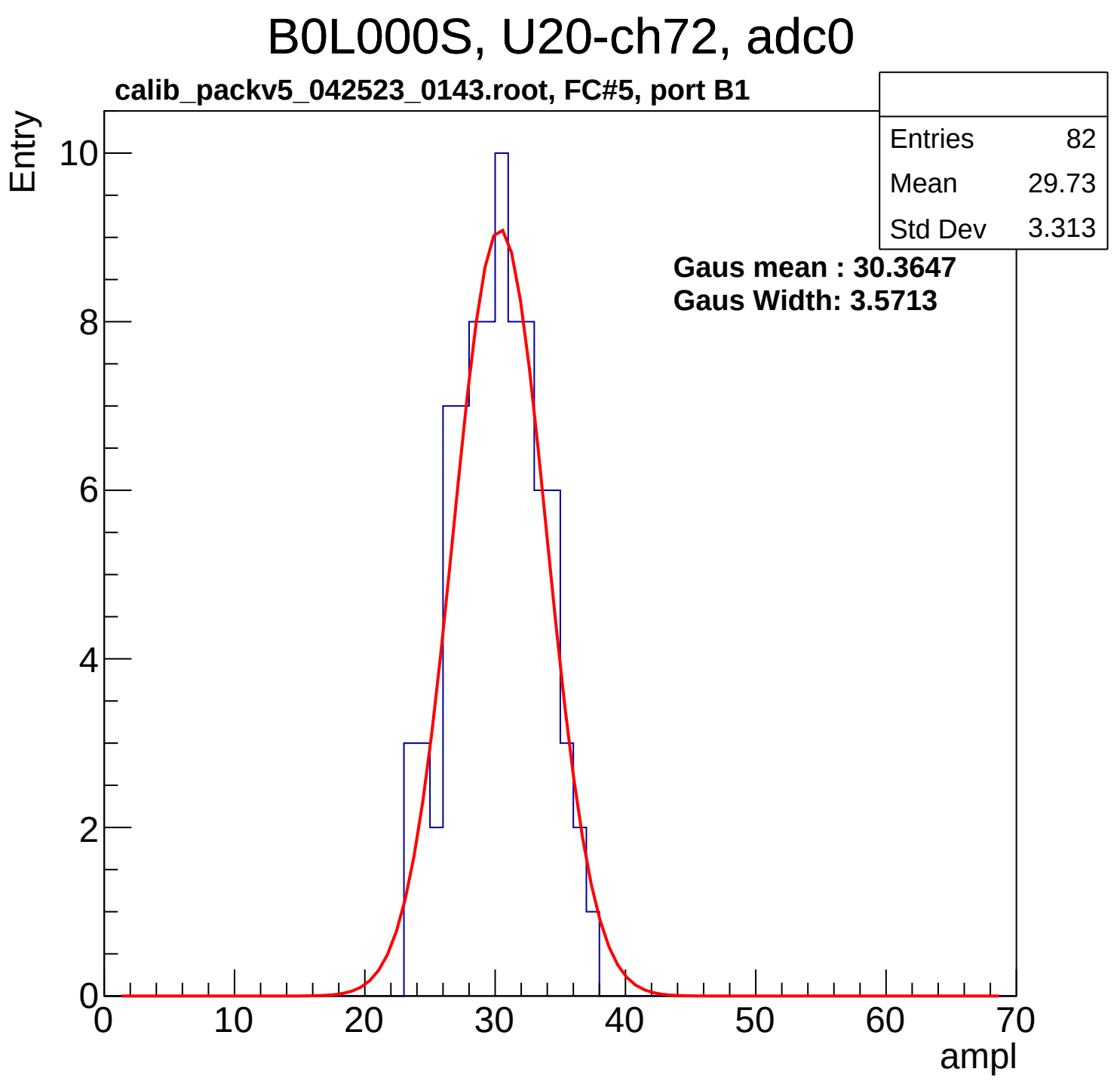
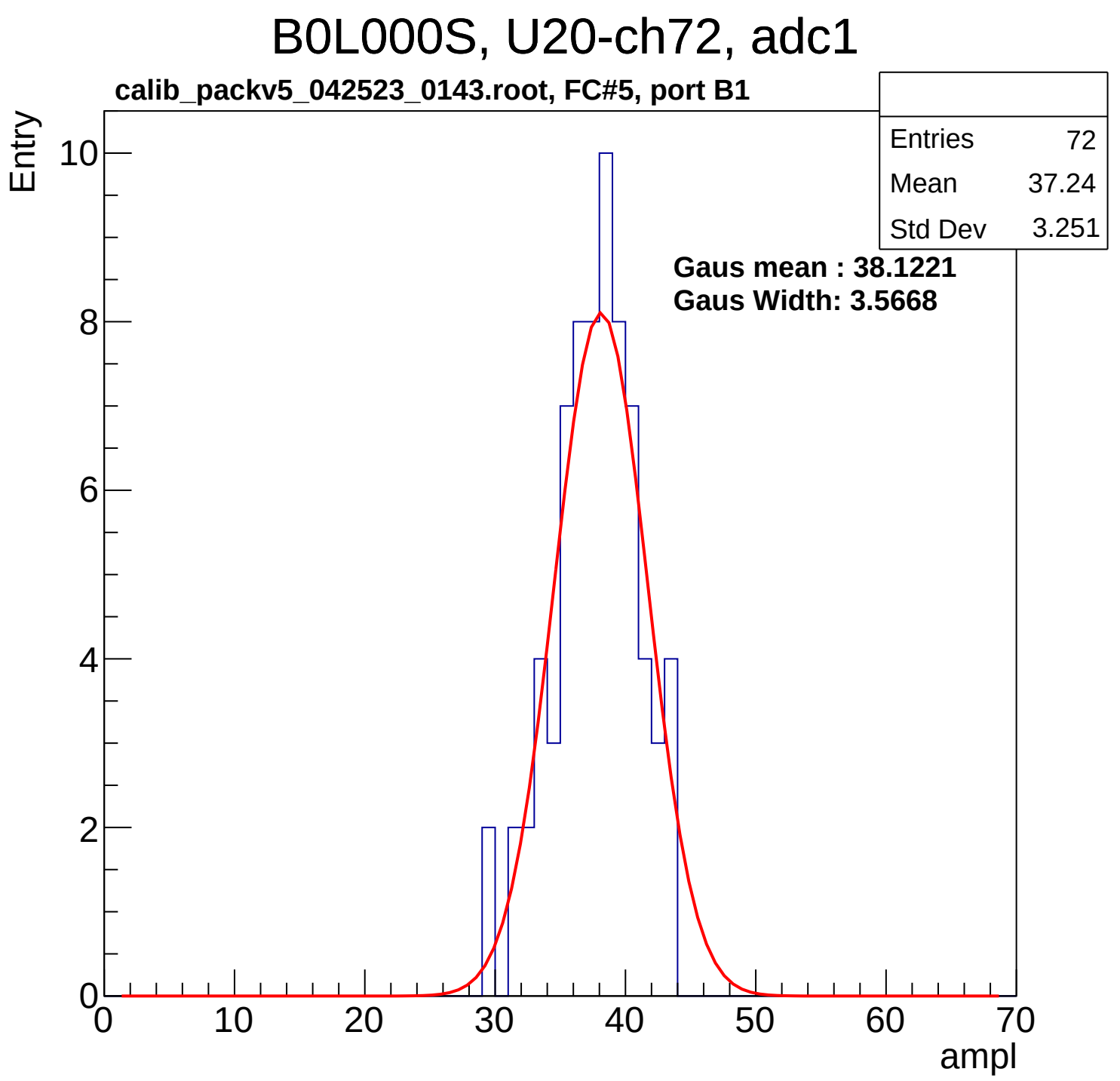
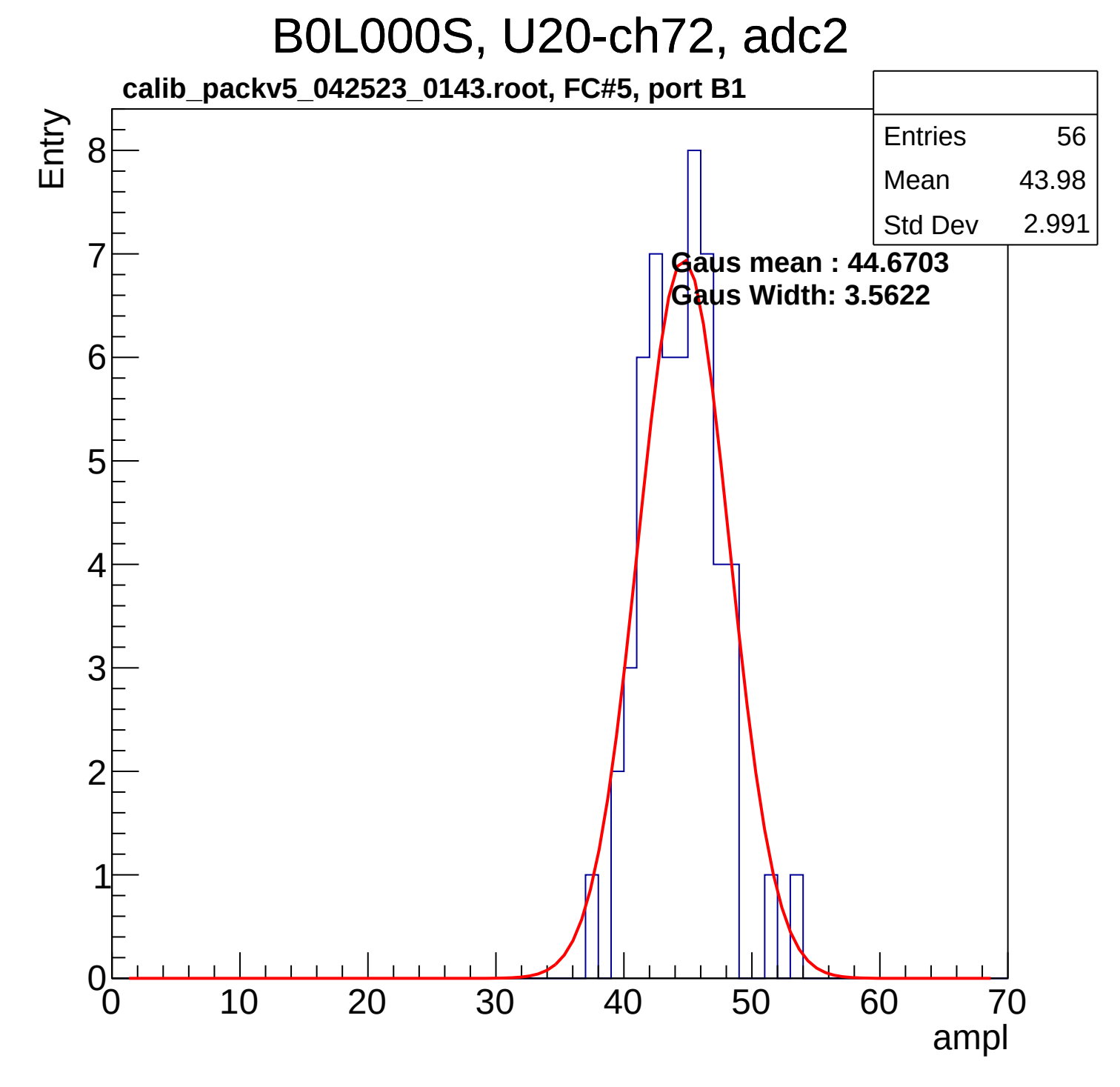
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch72, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 82
Mean 29.73
Std Dev 3.313
Gaus mean : 30.3647
Gaus Width: 3.5713
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch72, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 37.24
Std Dev 3.251
Gaus mean : 38.1221
Gaus Width: 3.5668
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch72, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 43.98
Std Dev 2.991
Gaus mean : 44.6703
Gaus Width: 3.5622
Entry
ampl
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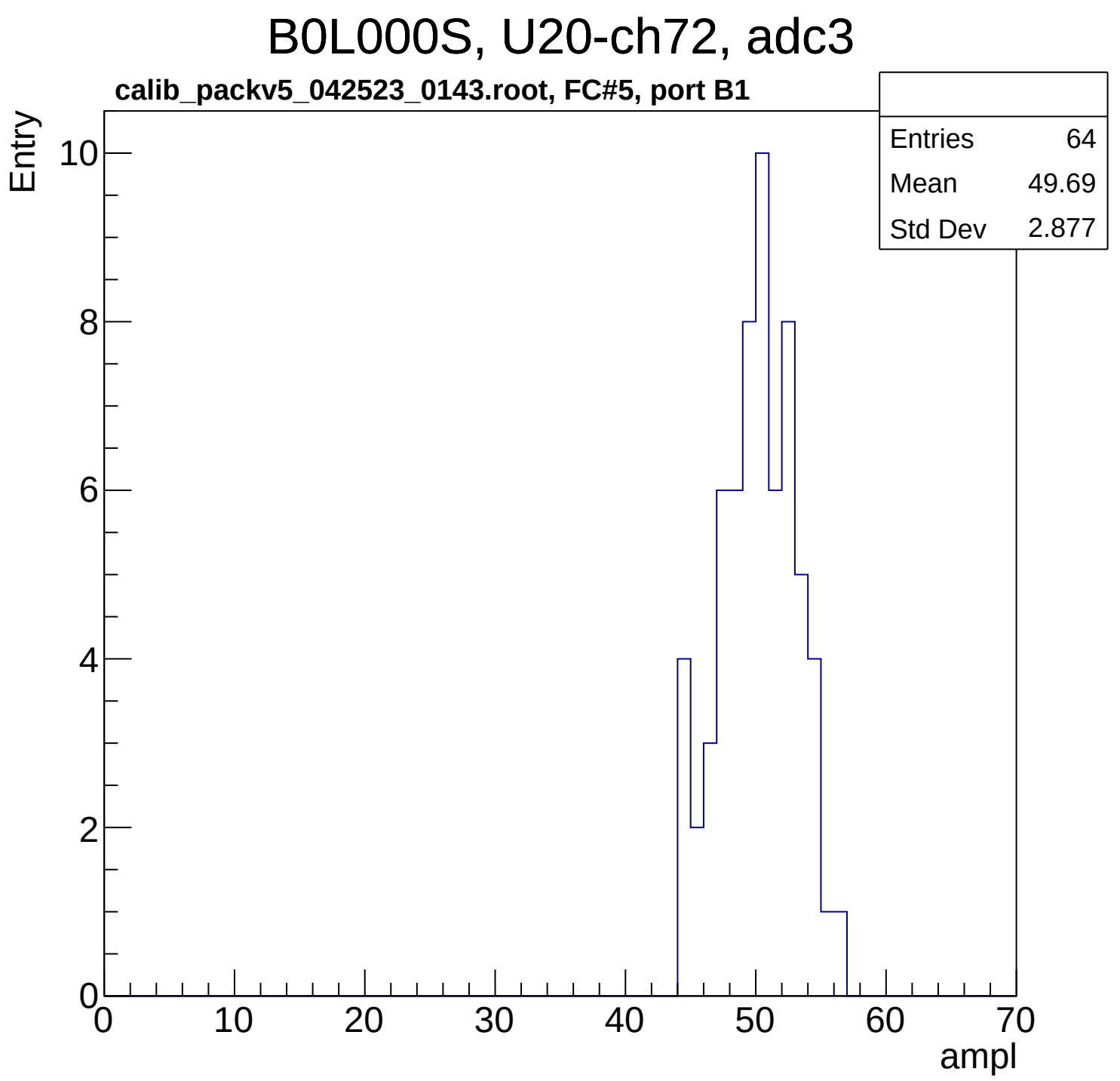
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch72, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 49.69
Std Dev 2.877
Entry
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2
4
6
8
10
0
10
20
30
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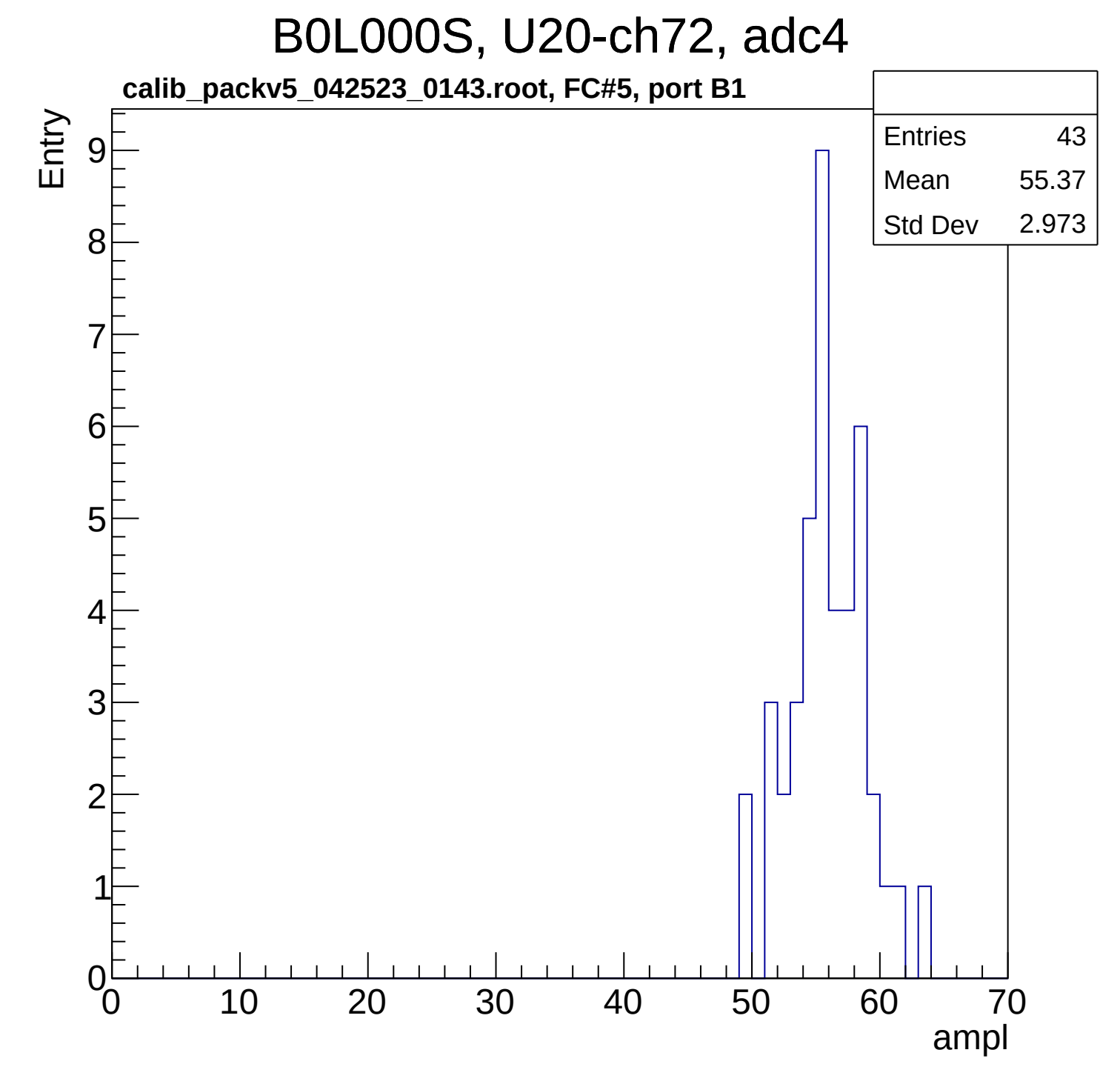
50
60
70
ampl


B0L000S, U20-ch72, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 55.37
Std Dev 2.973
Entry
ampl
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2
3
4
5
6
7
8
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0
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60
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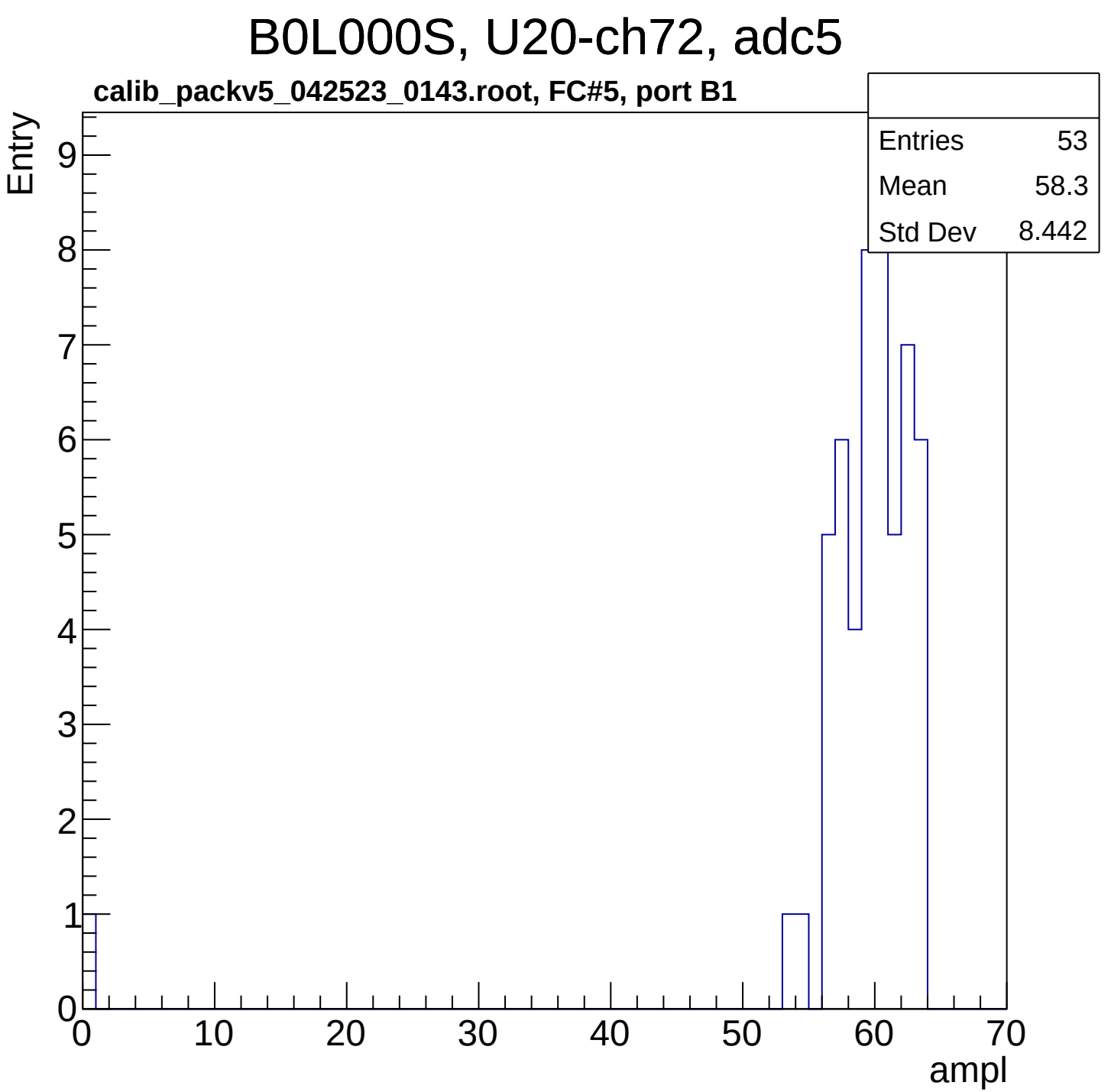
B0L000S, U20-ch72, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 58.3
Std Dev 8.442
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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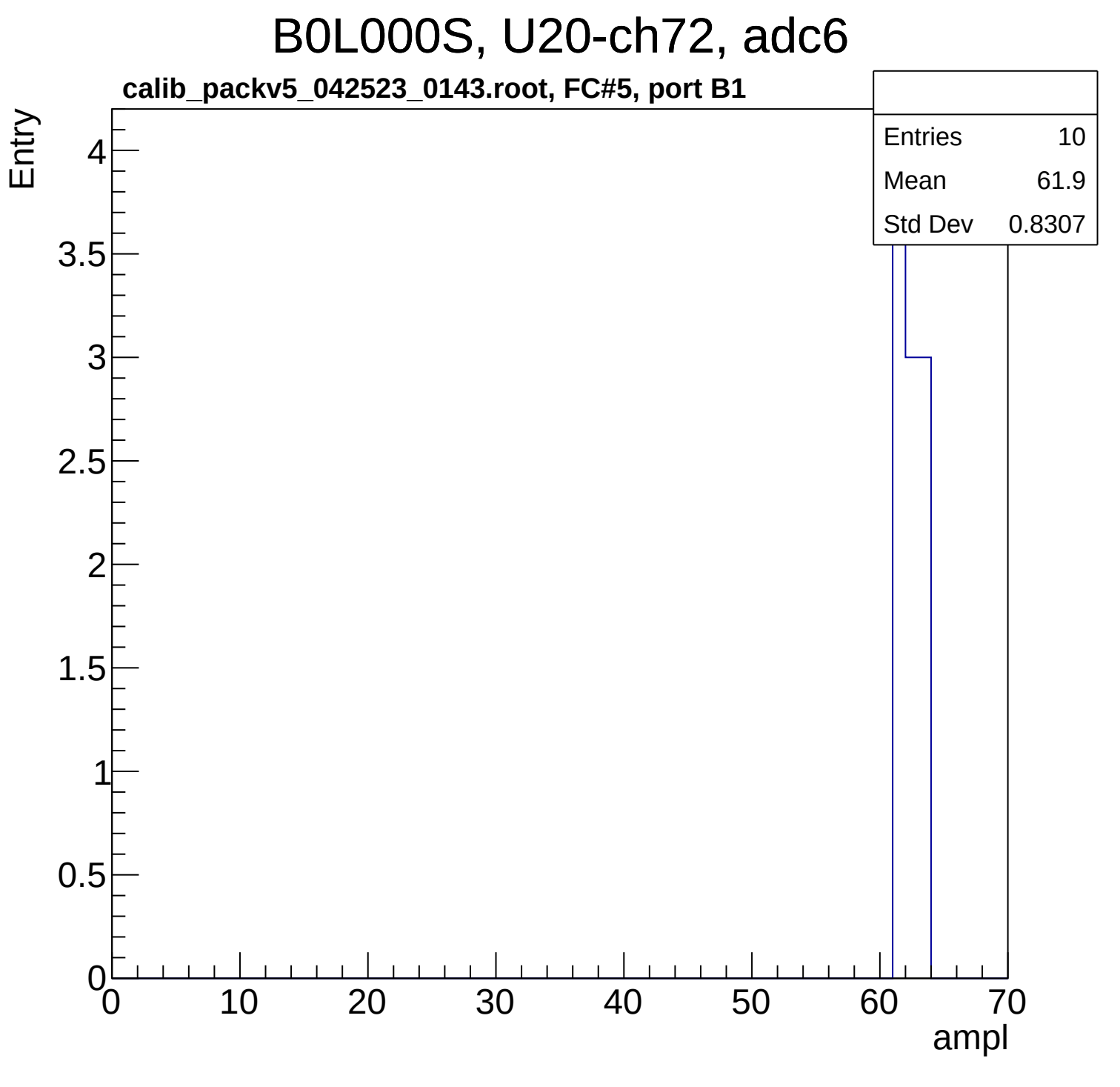
B0L000S, U20-ch72, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.9
Std Dev 0.8307
Entry
ampl
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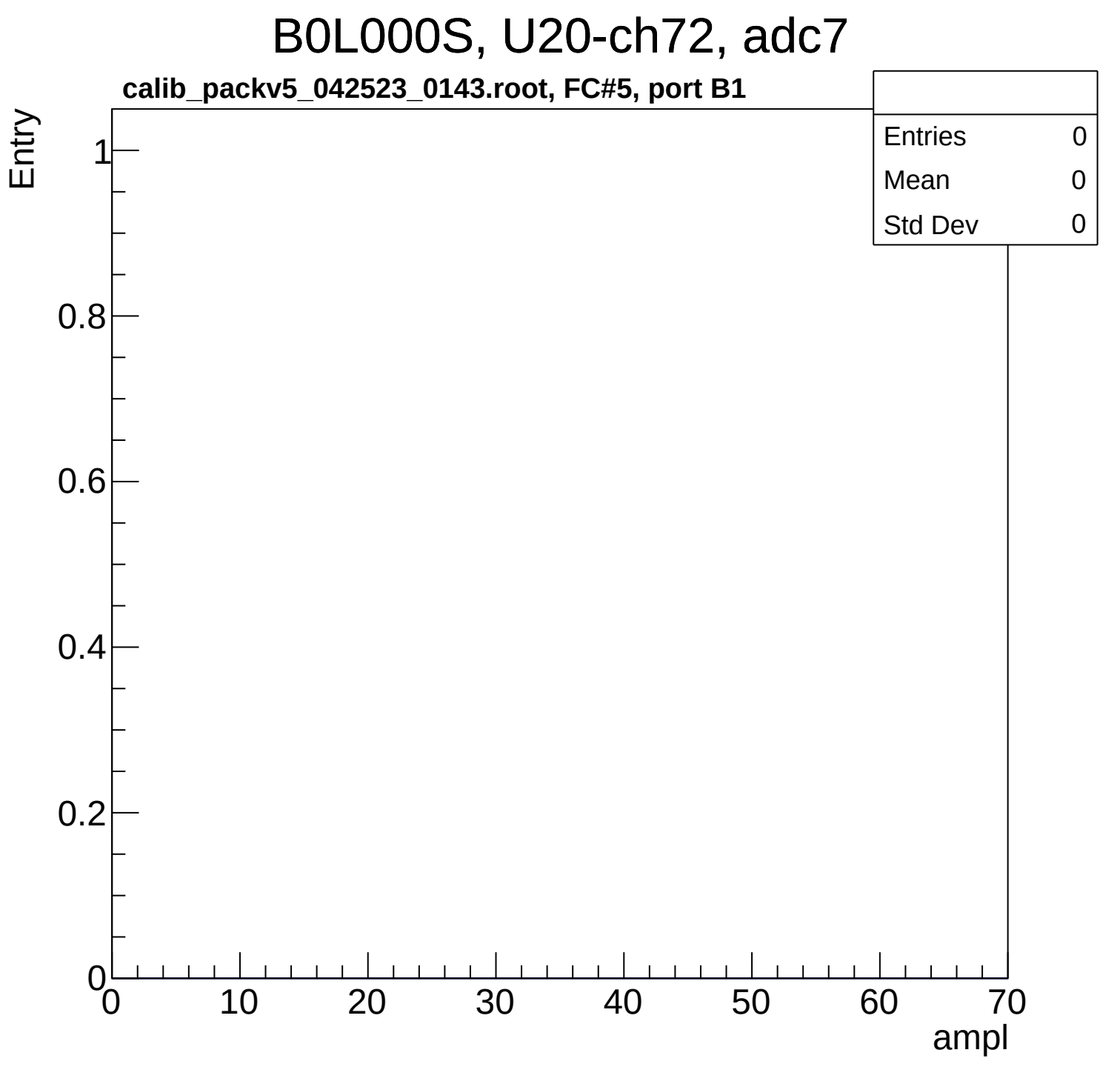
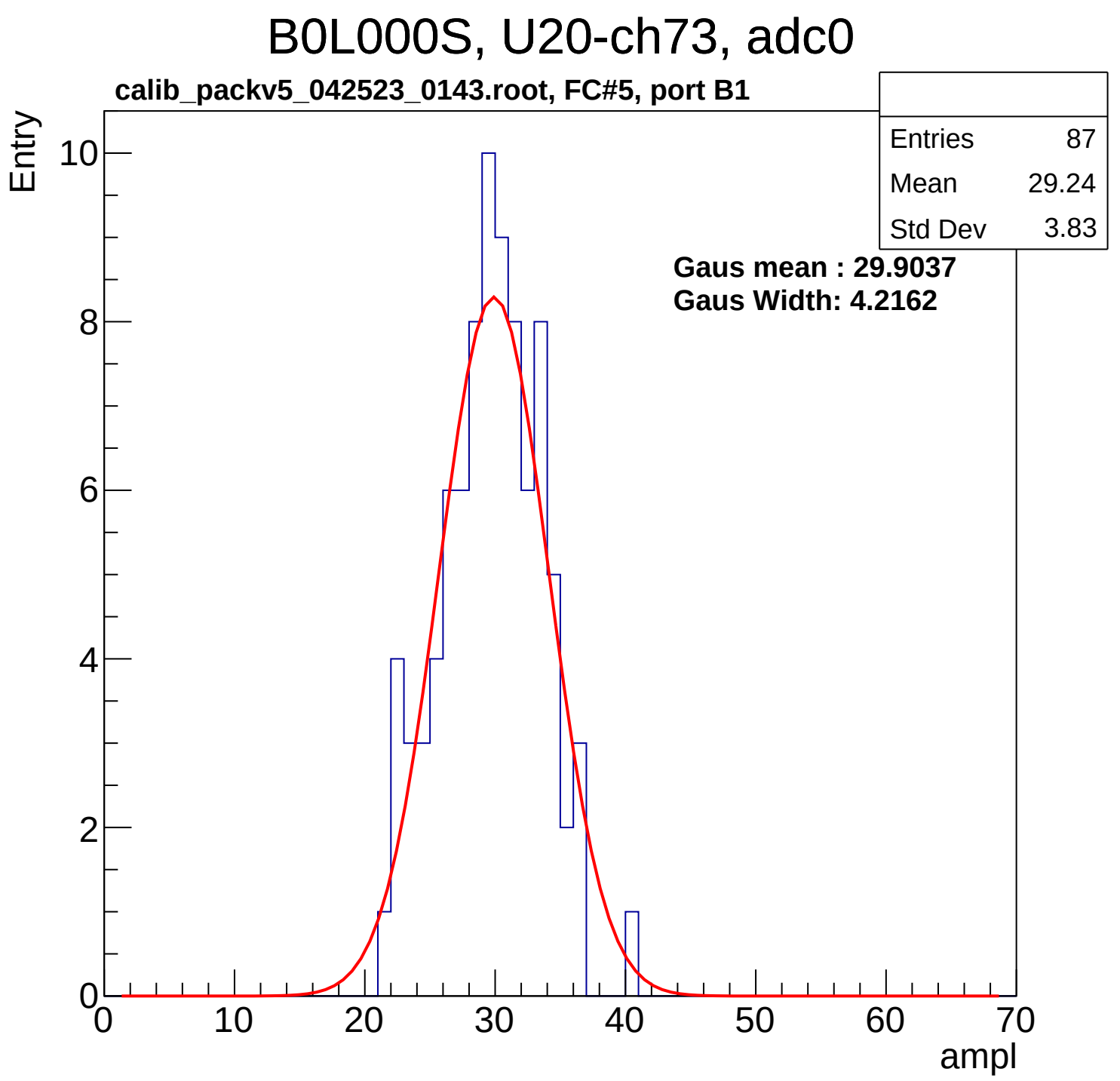
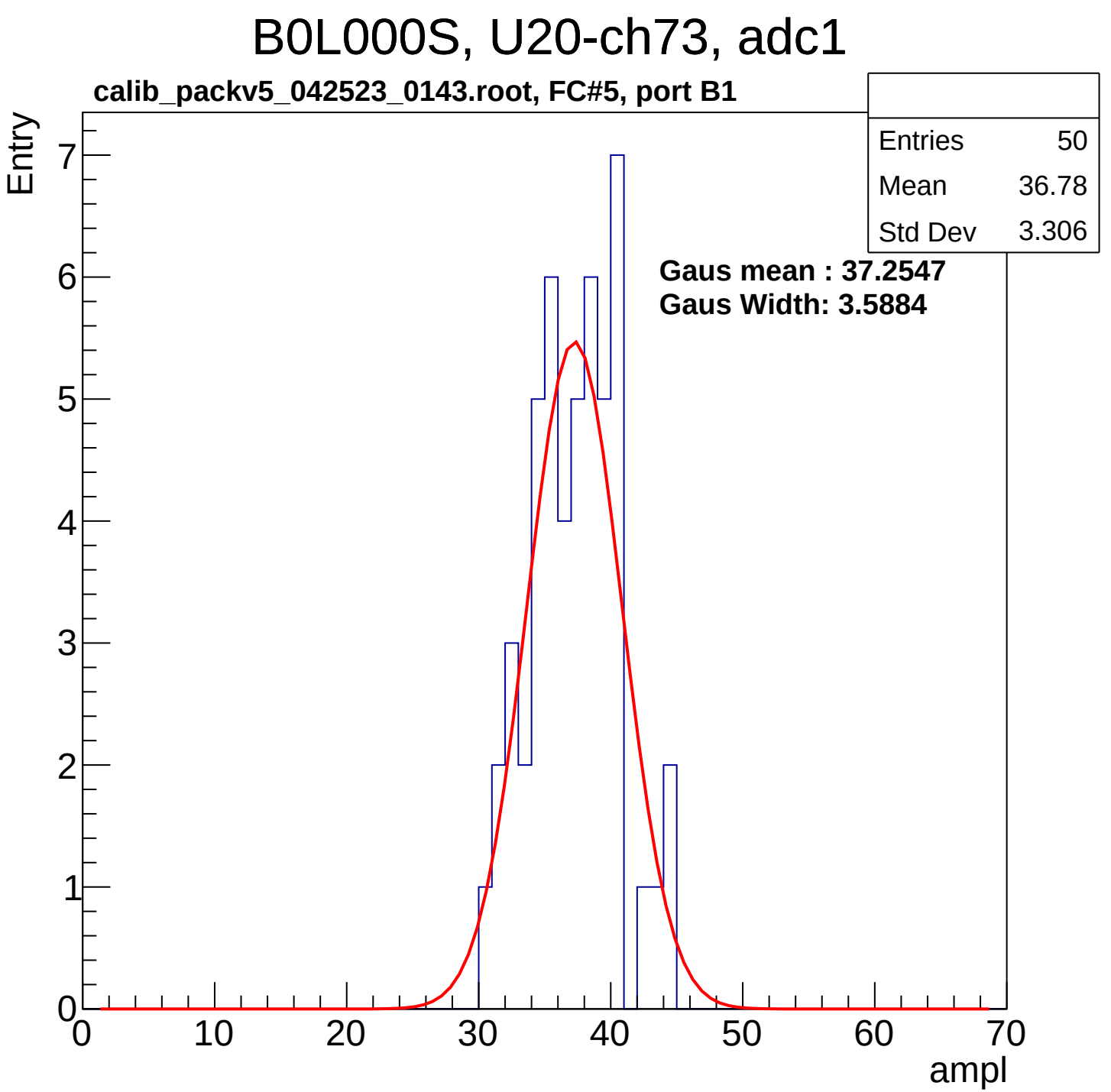
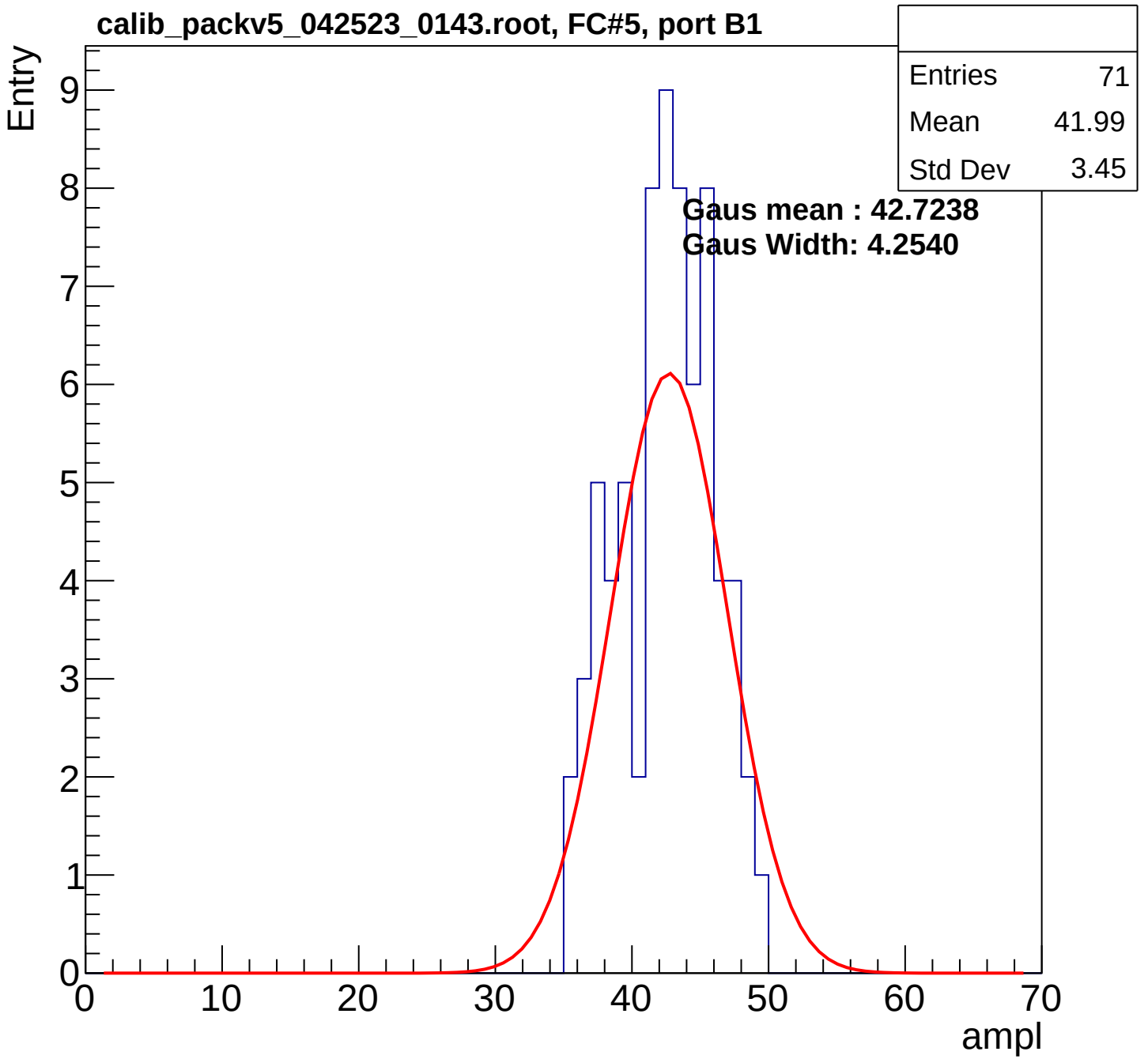
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch72, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch73, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 87
Mean 29.24
Std Dev 3.83
Gaus mean : 29.9037
Gaus Width: 4.2162
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch73, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 36.78
Std Dev 3.306
Gaus mean : 37.2547
Gaus Width: 3.5884
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch73, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 41.99
Std Dev 3.45
Gaus mean : 42.7238
Gaus Width: 4.2540
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
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40
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60
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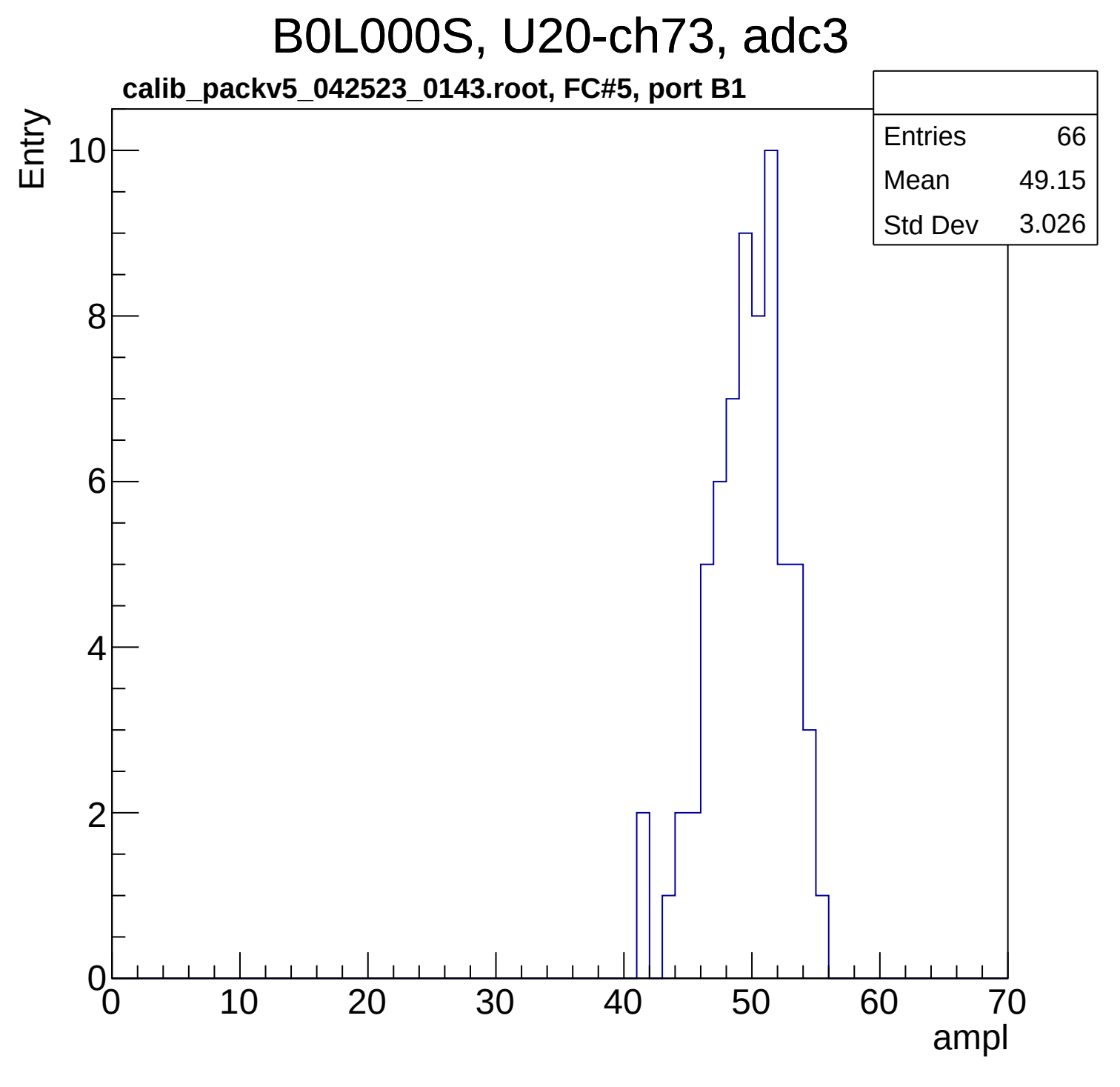
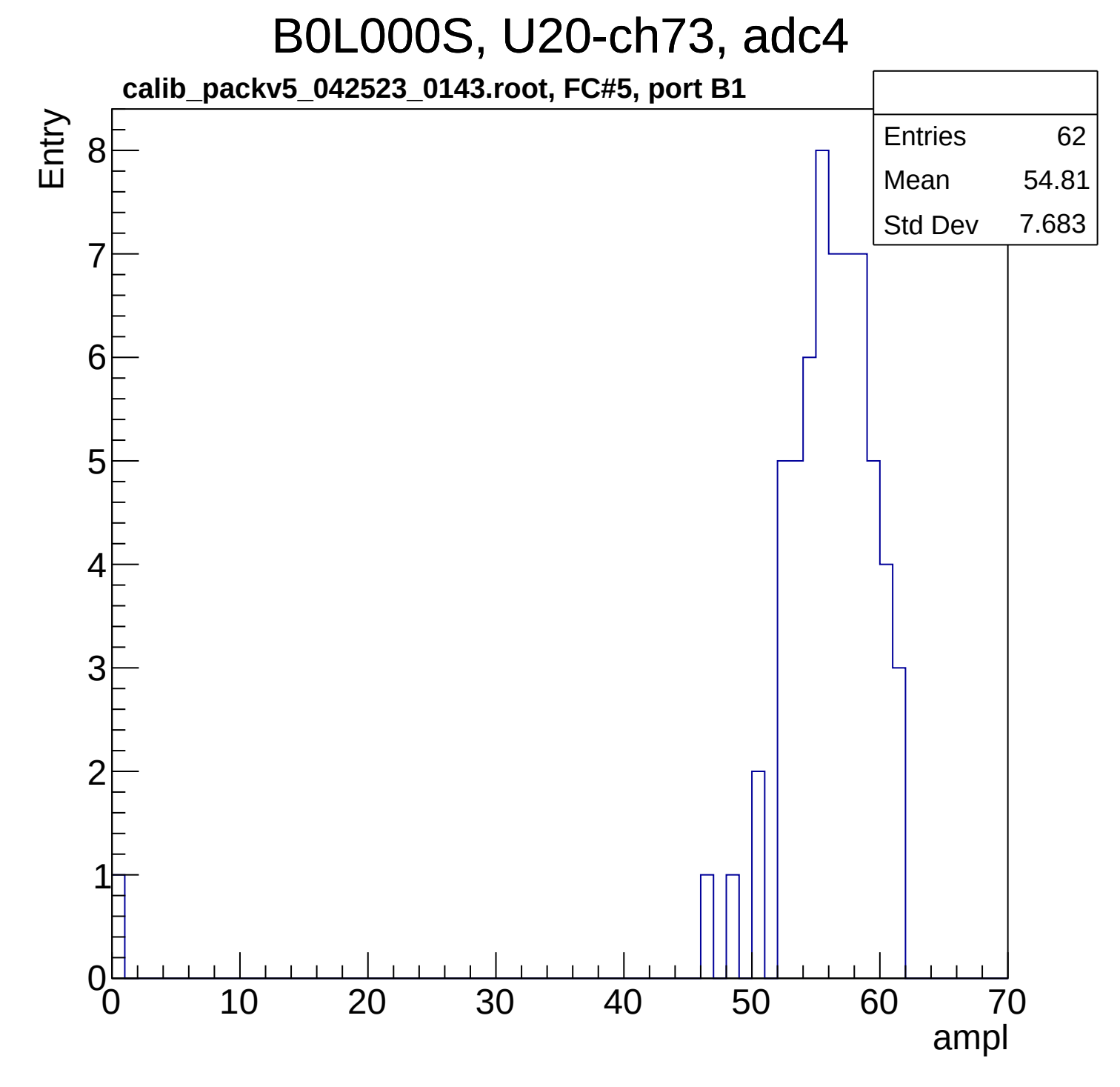
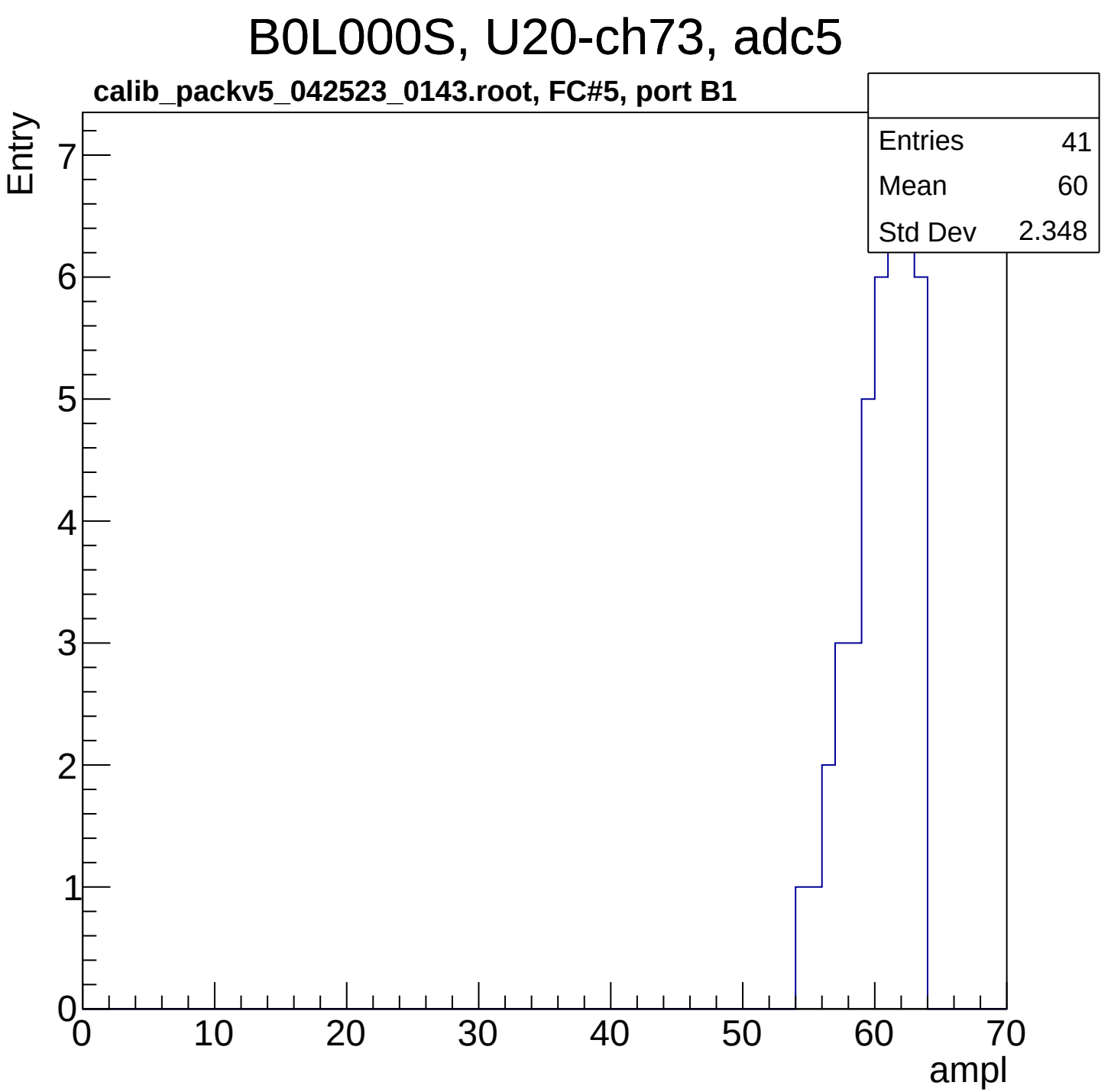

B0L000S, U20-ch73, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 49.15
Std Dev 3.026
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch73, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 54.81
Std Dev 7.683
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch73, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 60
Std Dev 2.348
Entry
ampl
0
1
2
3
4
5
6
7
0
10
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40
50
60
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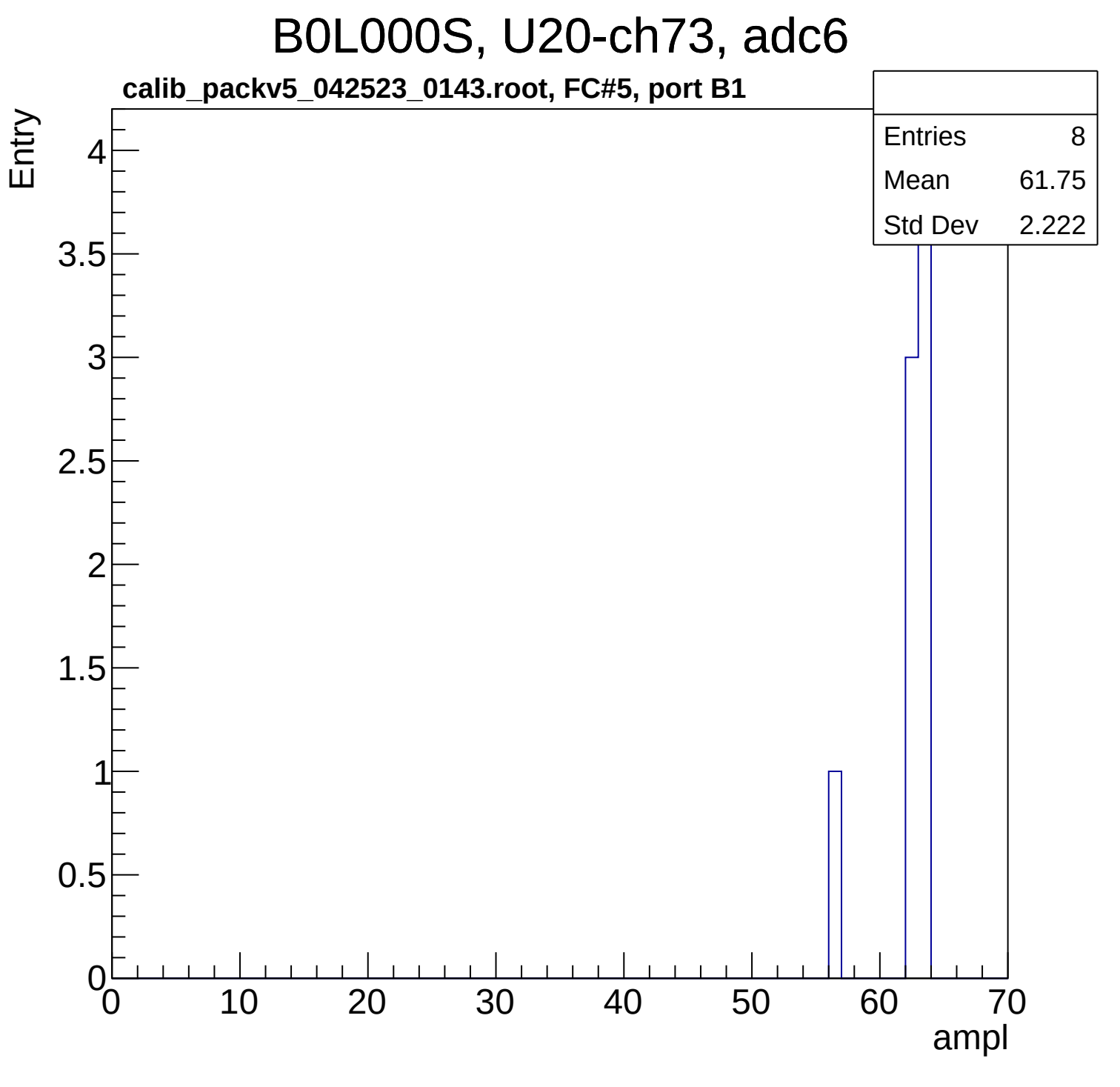
B0L000S, U20-ch73, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 61.75
Std Dev 2.222
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
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40
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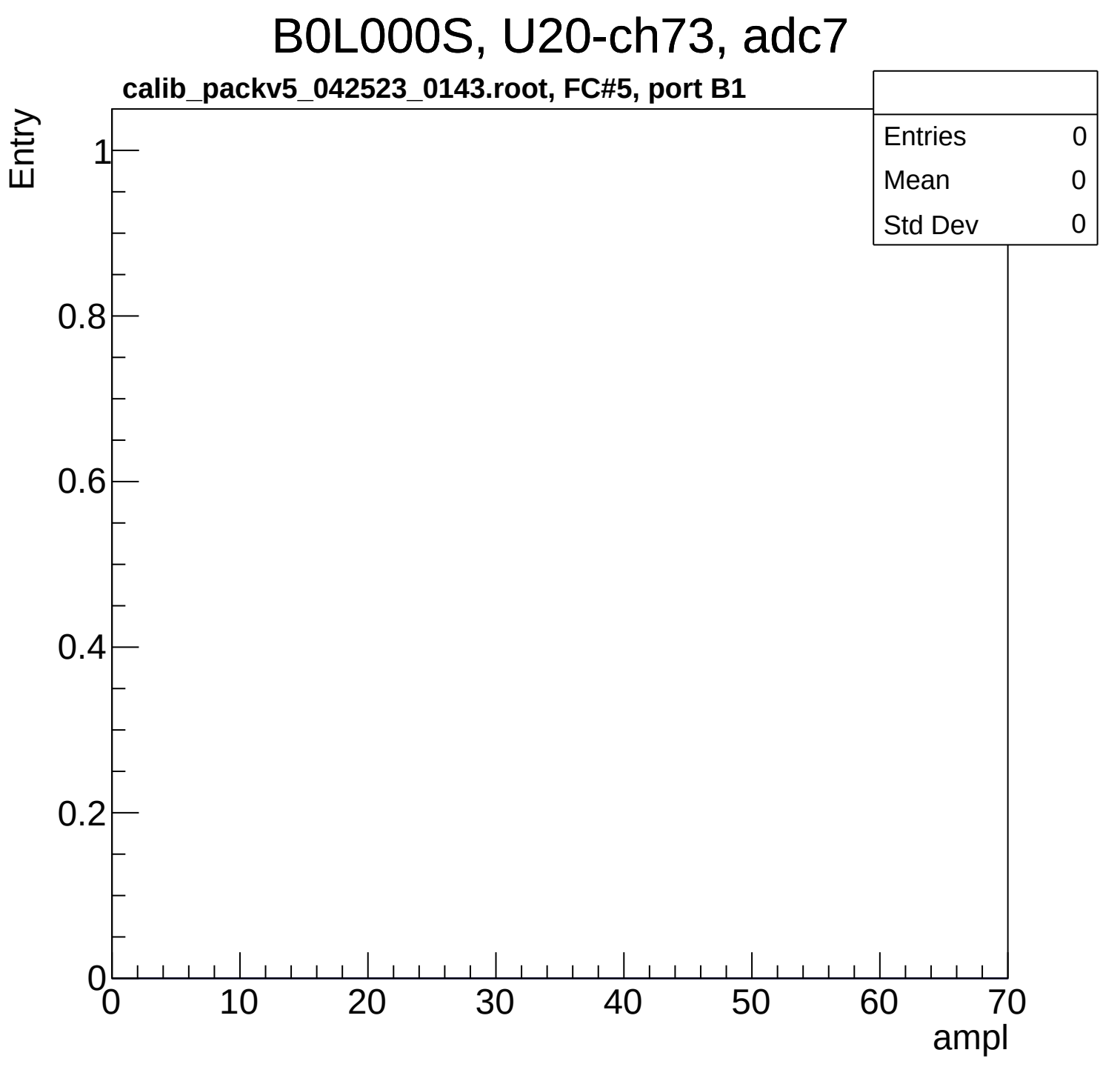
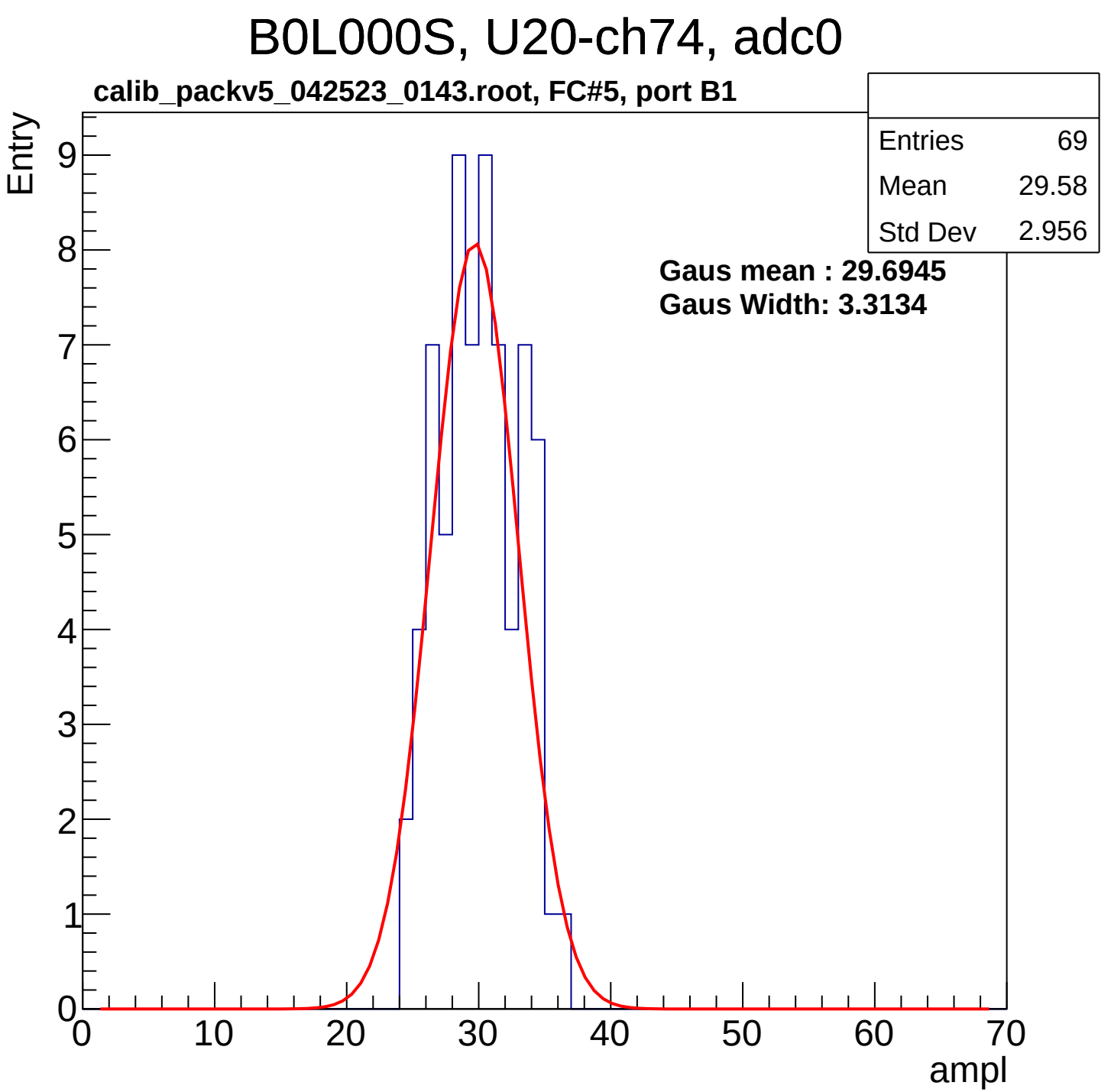
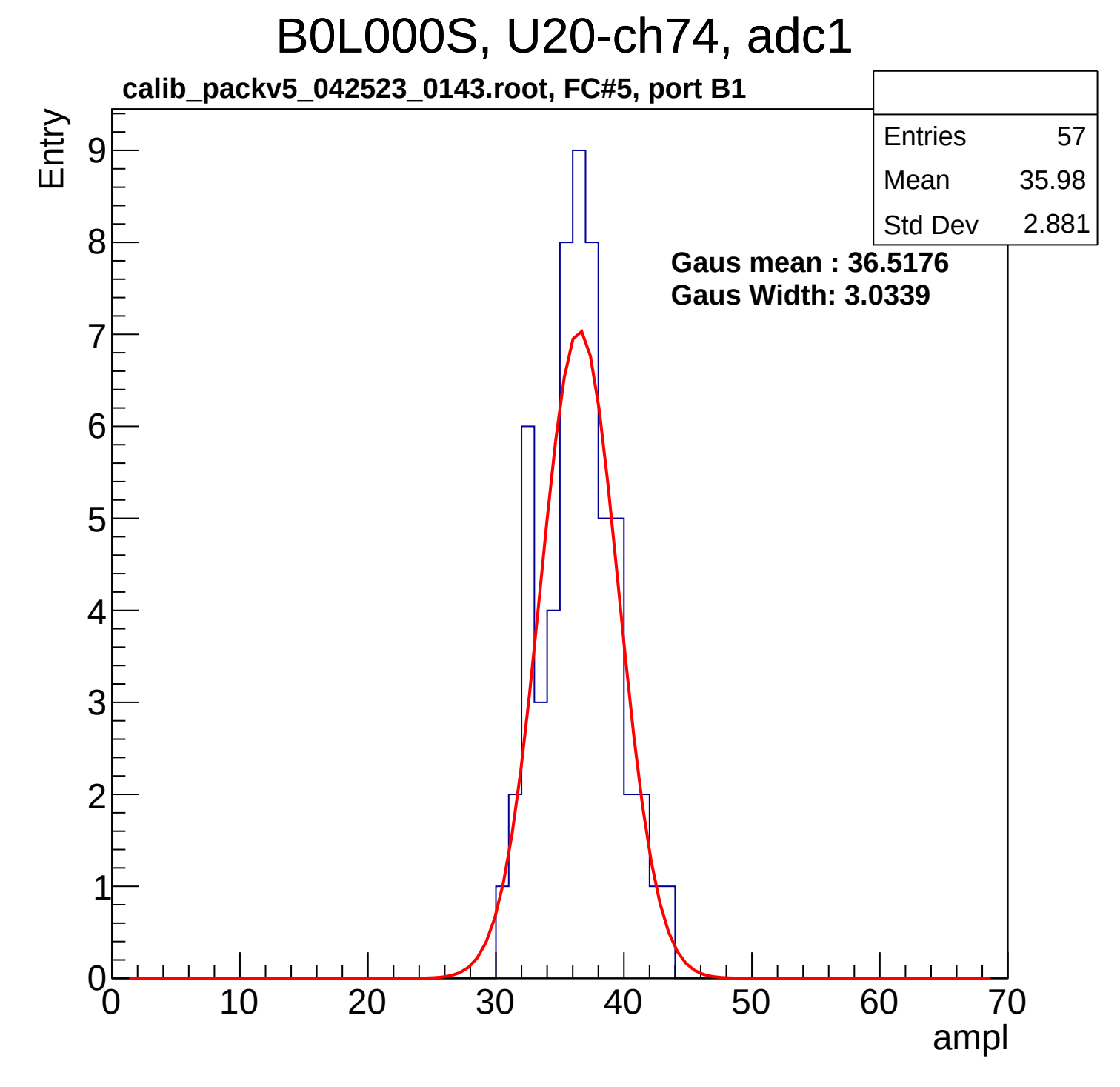
60
70


B0L000S, U20-ch73, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch74, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 29.58
Std Dev 2.956
Gaus mean : 29.6945
Gaus Width: 3.3134
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch74, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 35.98
Std Dev 2.881
Gaus mean : 36.5176
Gaus Width: 3.0339
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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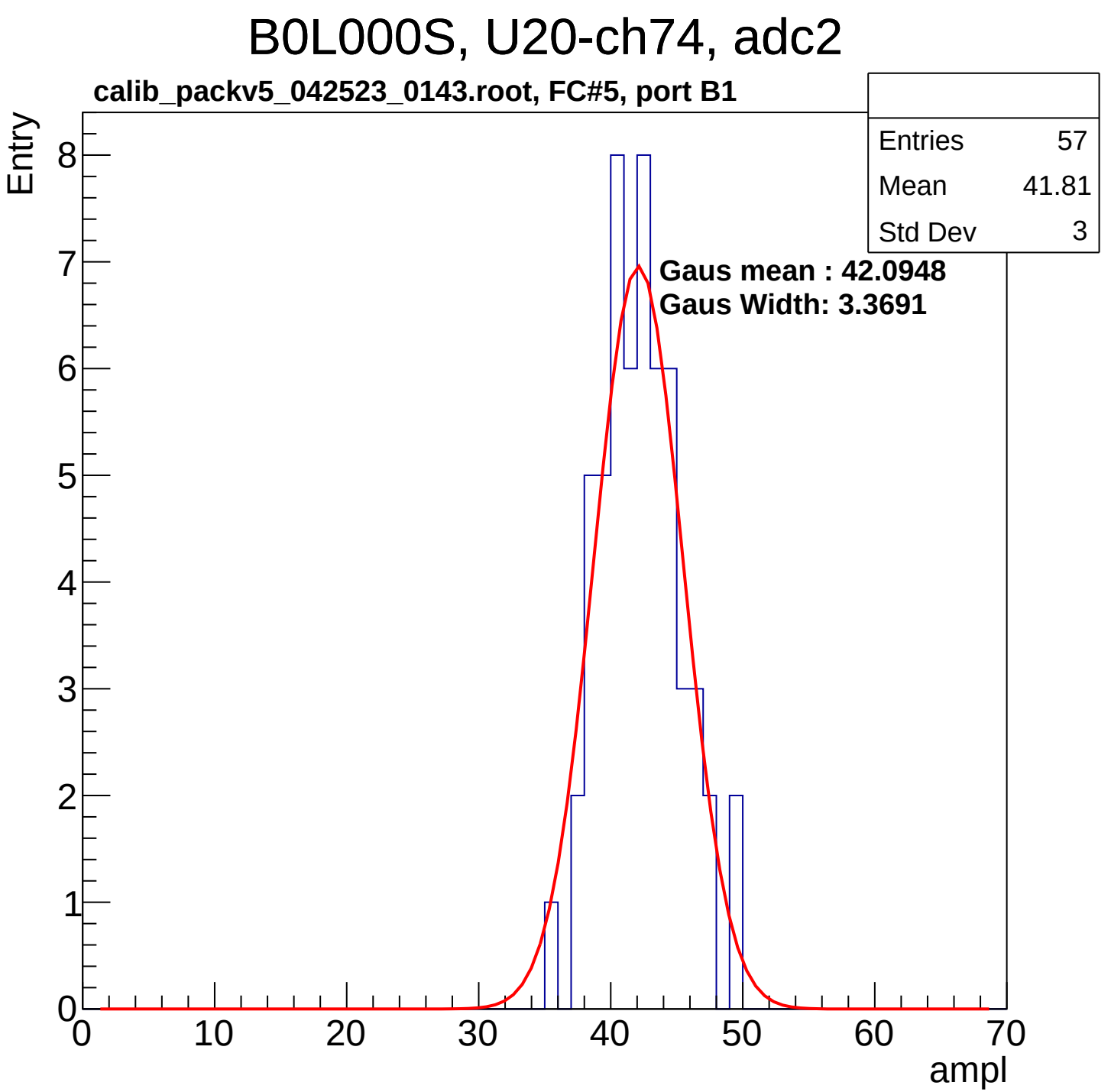
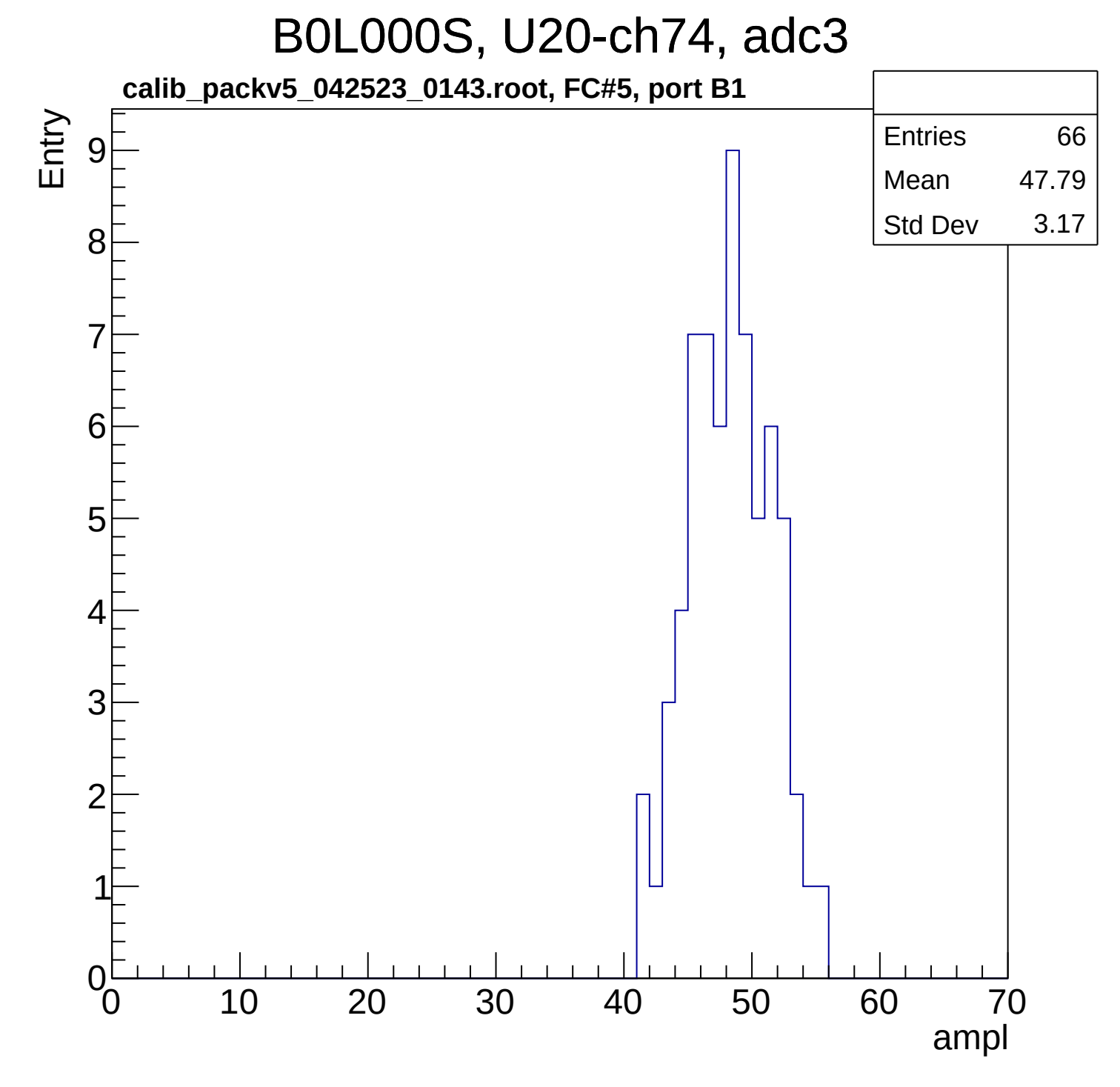

B0L000S, U20-ch74, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 41.81
Std Dev 3
Gaus mean : 42.0948
Gaus Width: 3.3691
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch74, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 47.79
Std Dev 3.17
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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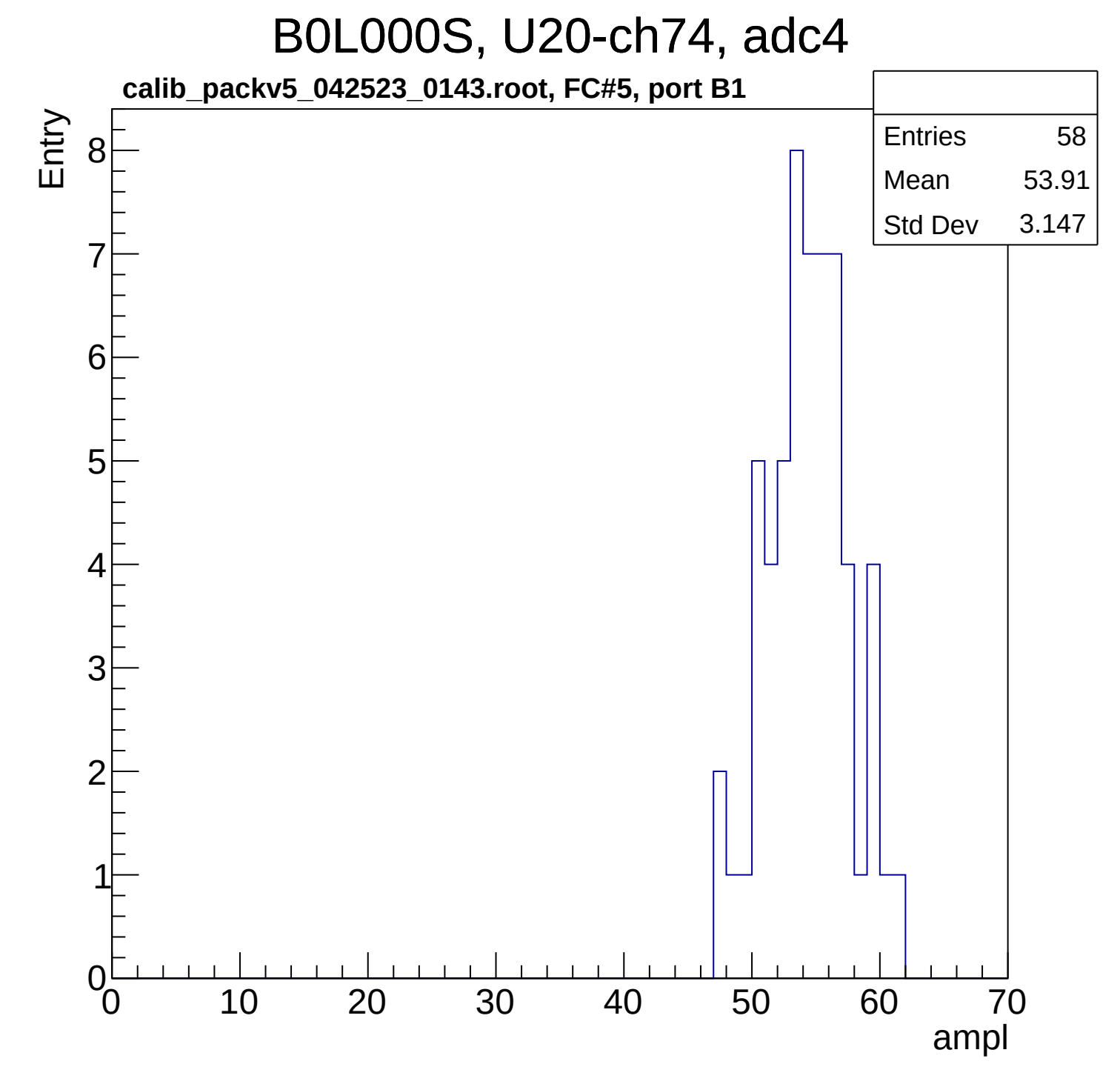
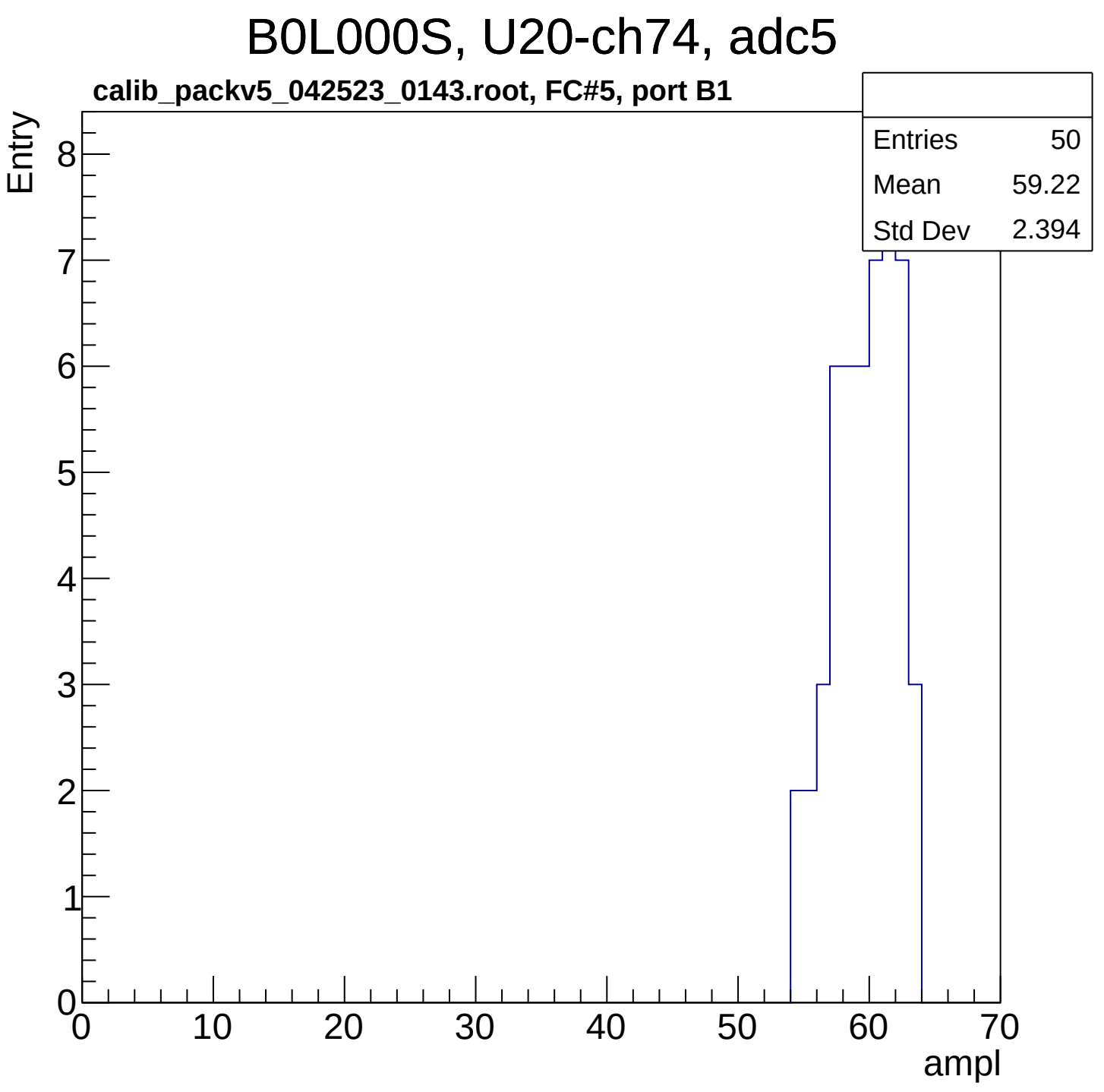
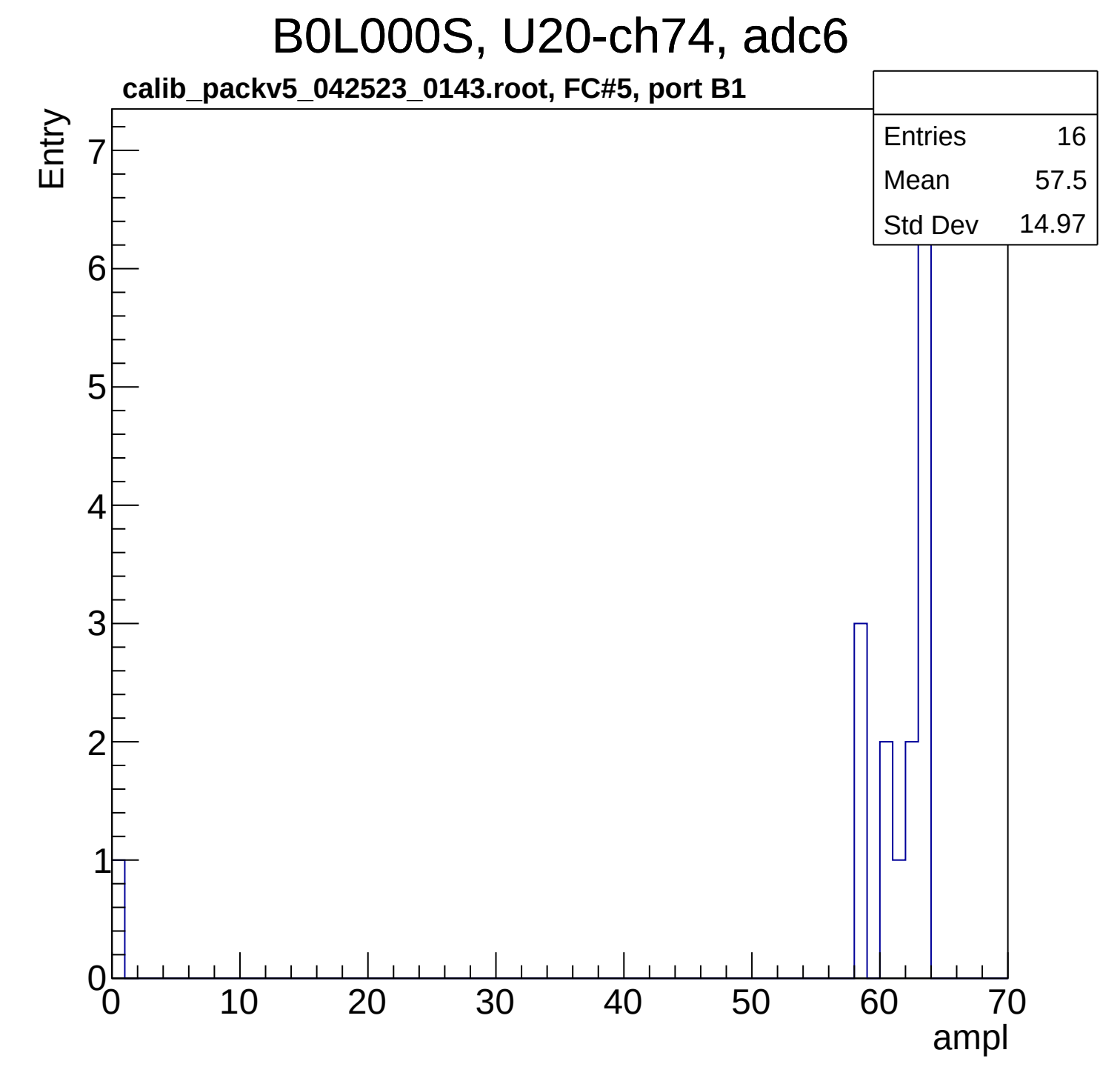
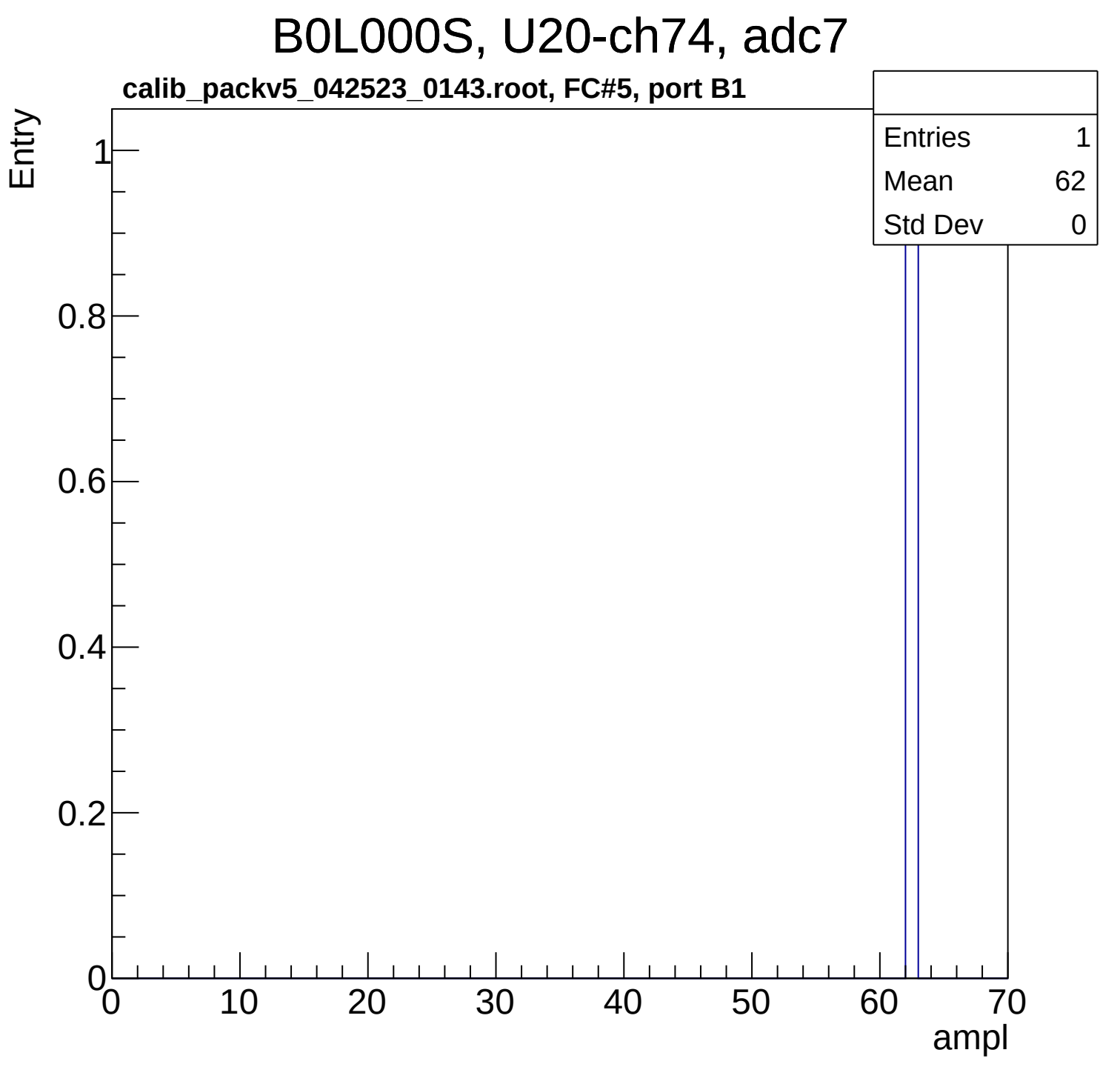
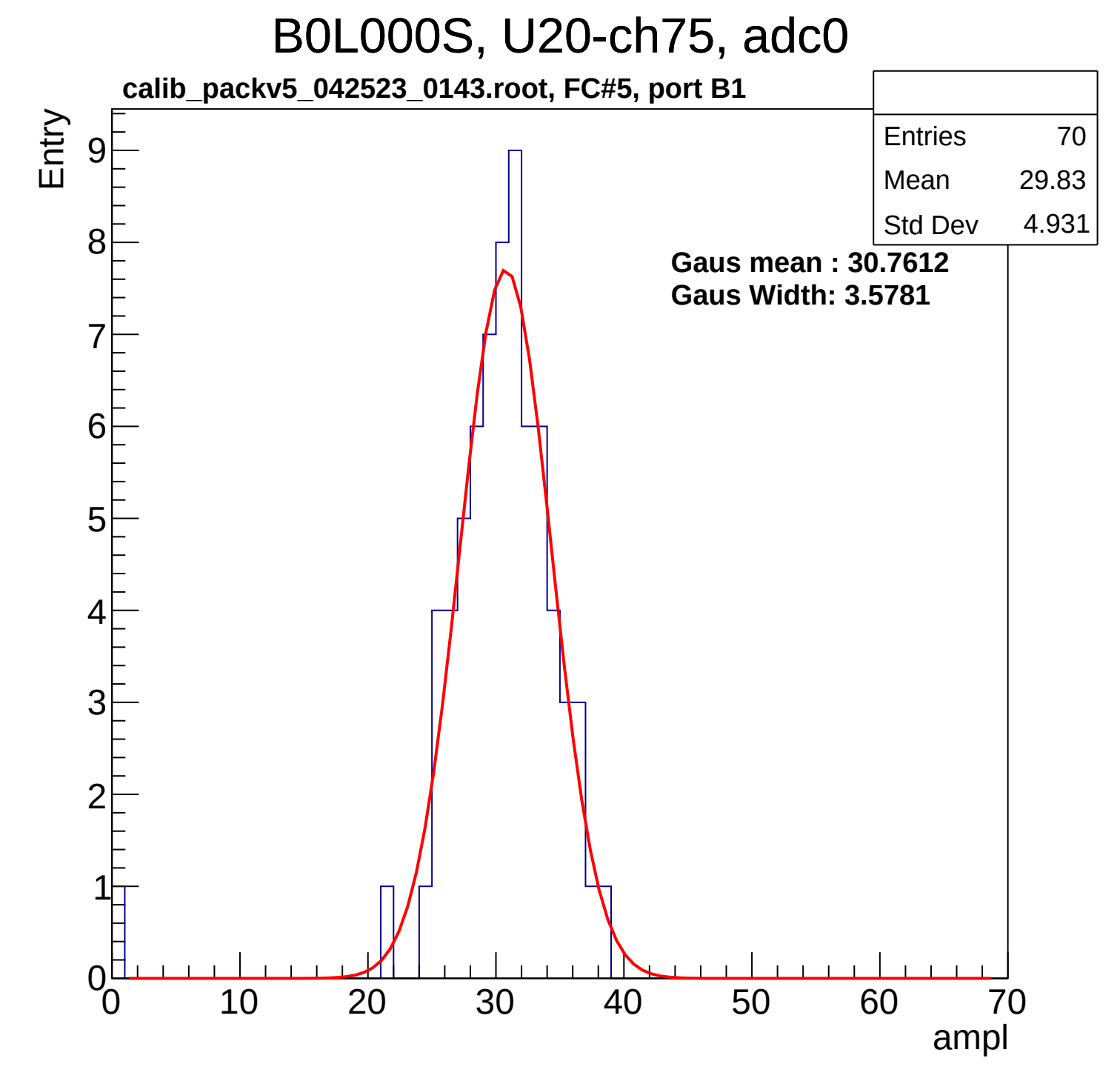
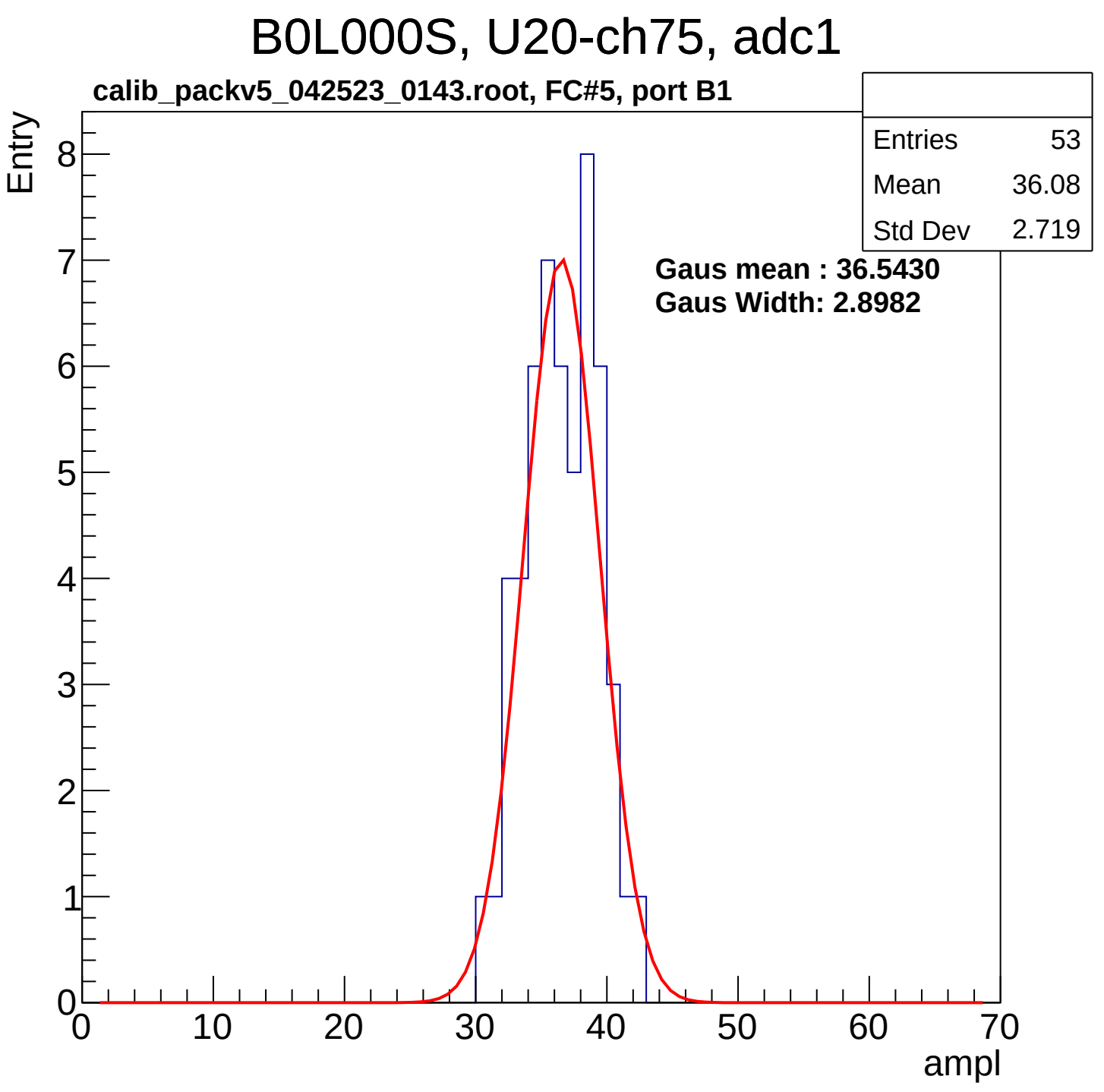

B0L000S, U20-ch74, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 53.91
Std Dev 3.147
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

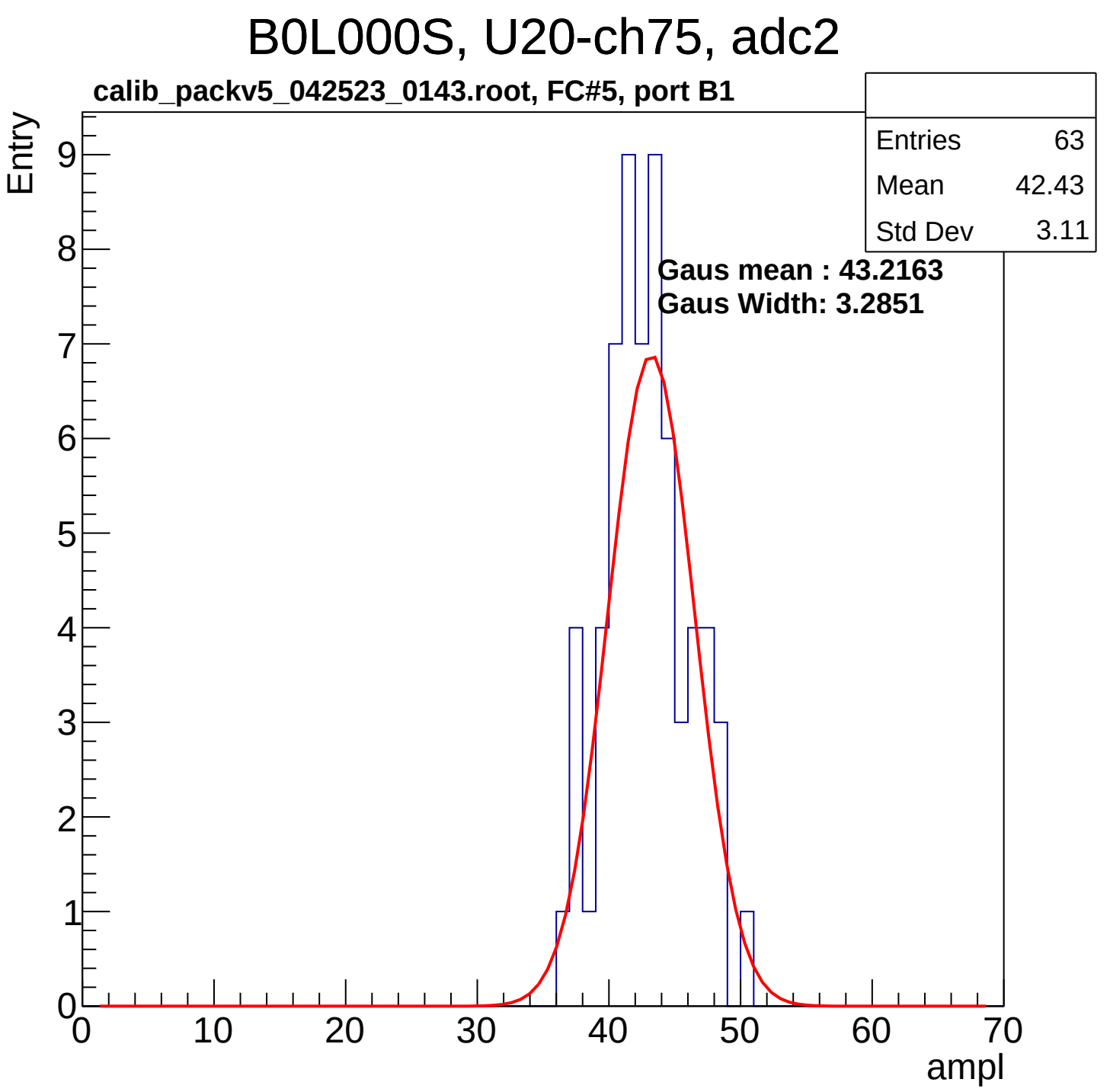

B0L000S, U20-ch74, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 59.22
Std Dev 2.394
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

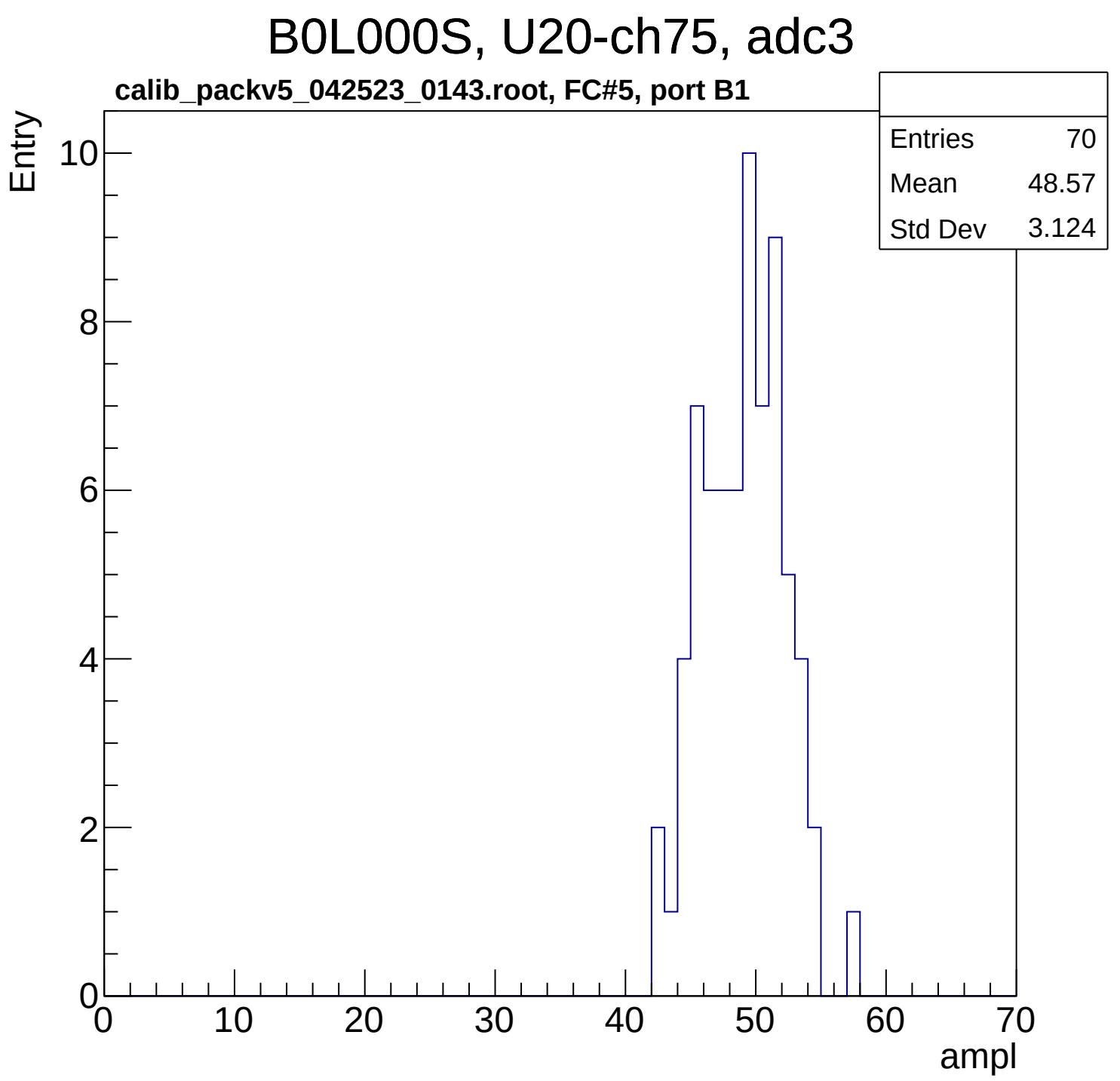

B0L000S, U20-ch74, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 16
Mean 57.5
Std Dev 14.97
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

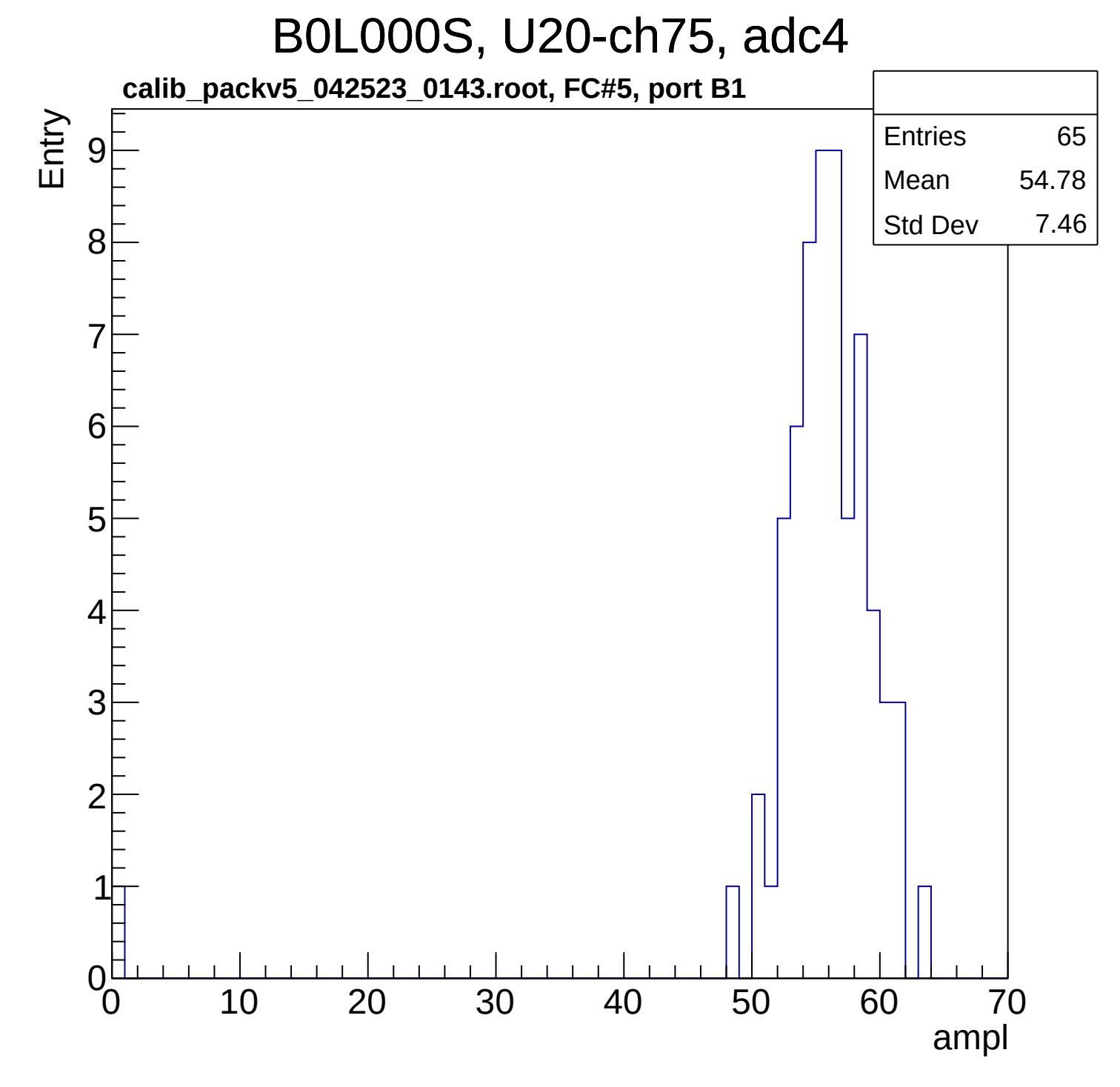

B0L000S, U20-ch74, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 62
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

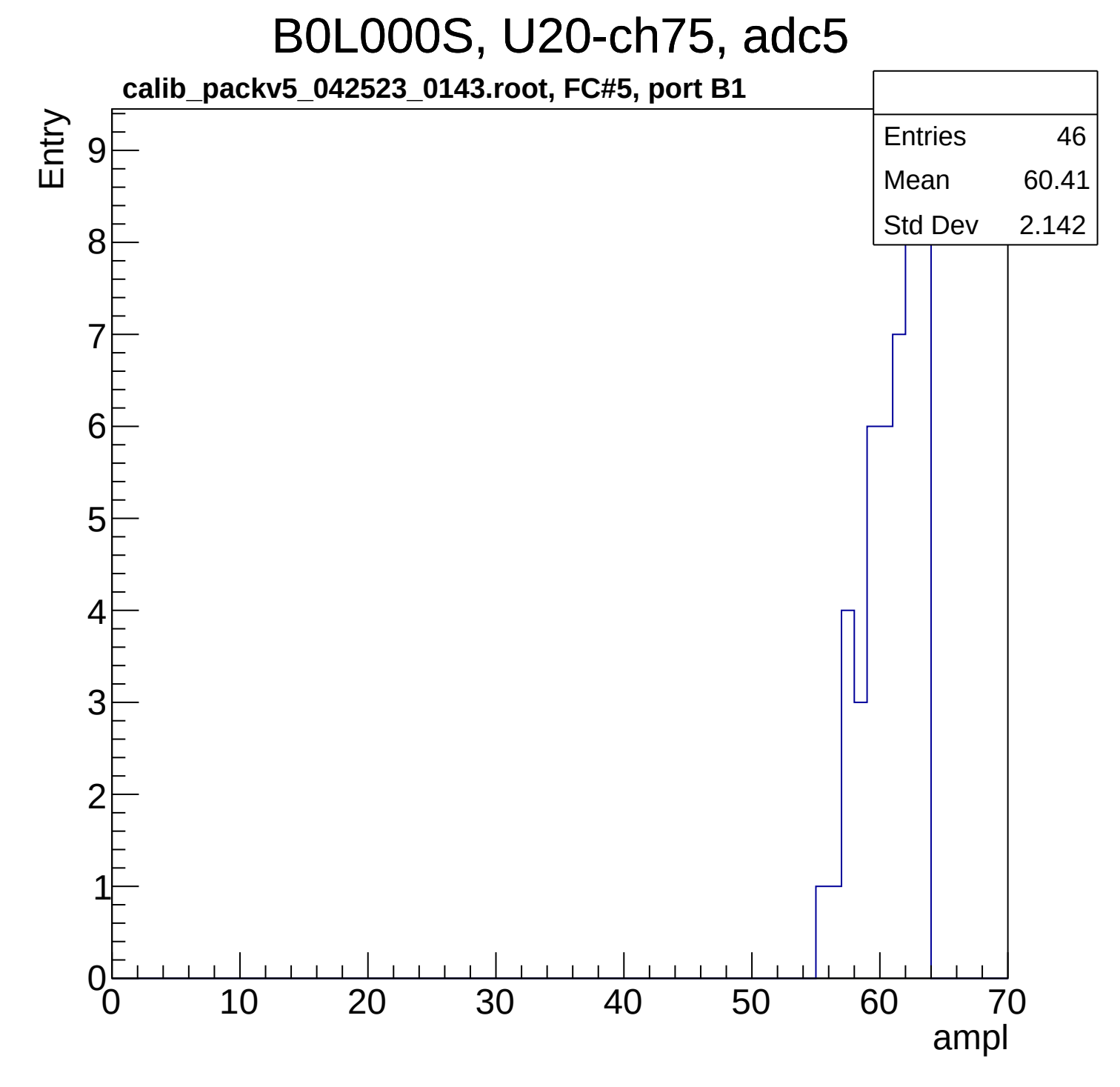

B0L000S, U20-ch75, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 29.83
Std Dev 4.931
Gaus mean : 30.7612
Gaus Width: 3.5781
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch75, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 36.08
Std Dev 2.719
Gaus mean : 36.5430
Gaus Width: 2.8982
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch75, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 42.43
Std Dev 3.11
Gaus mean : 43.2163
Gaus Width: 3.2851
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch75, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 48.57
Std Dev 3.124
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch75, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 54.78
Std Dev 7.46
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch75, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 60.41
Std Dev 2.142
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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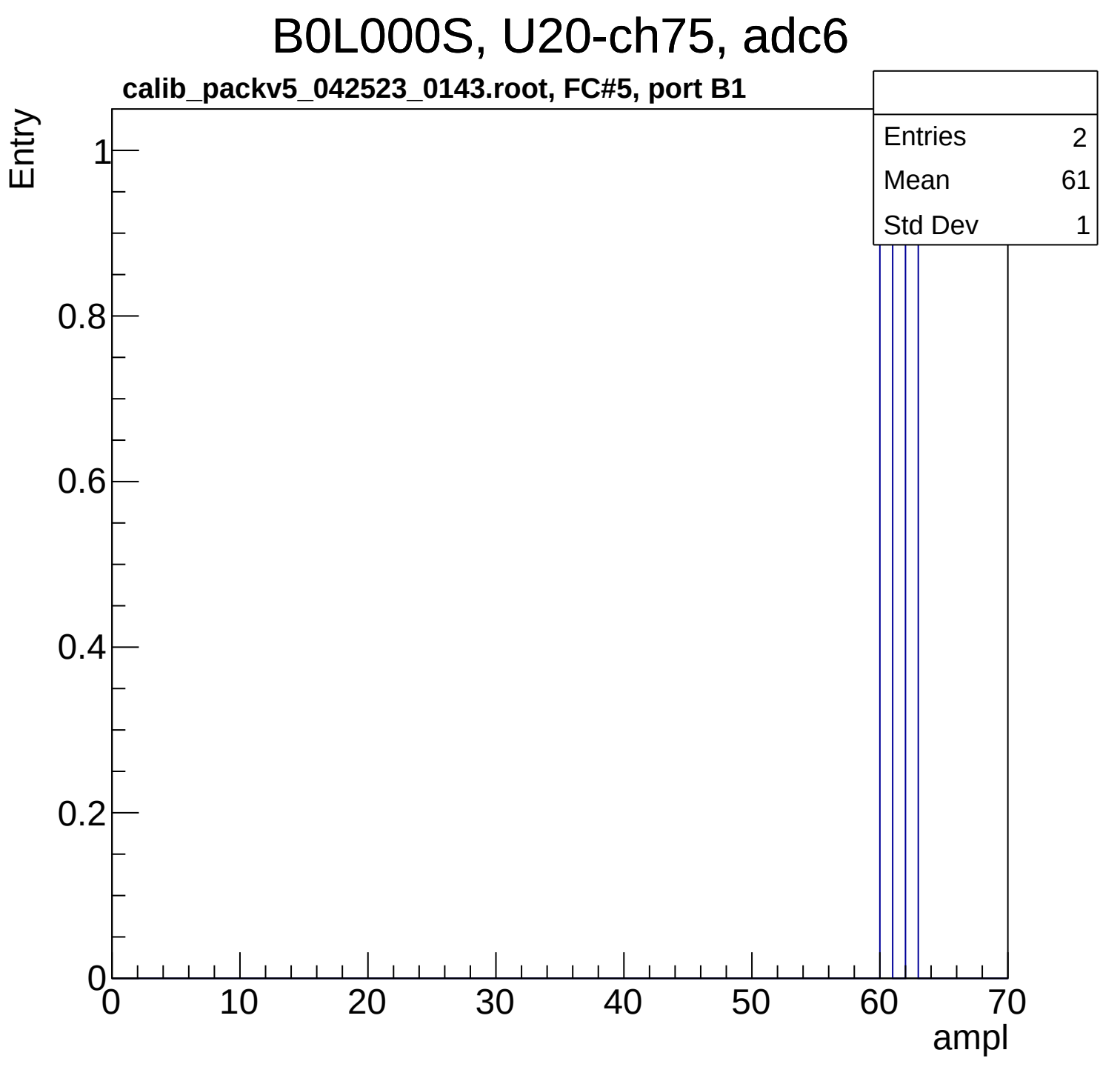
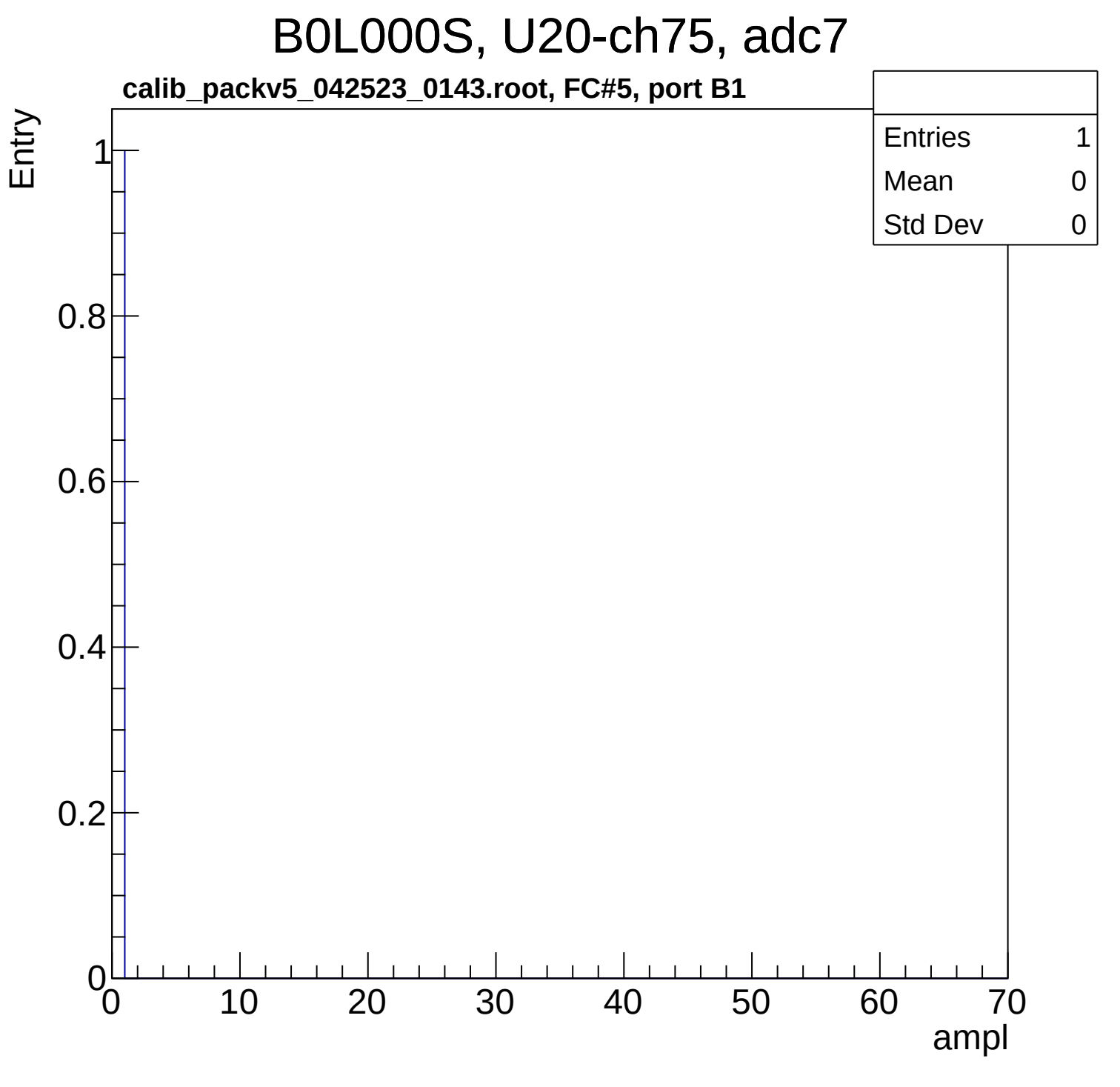
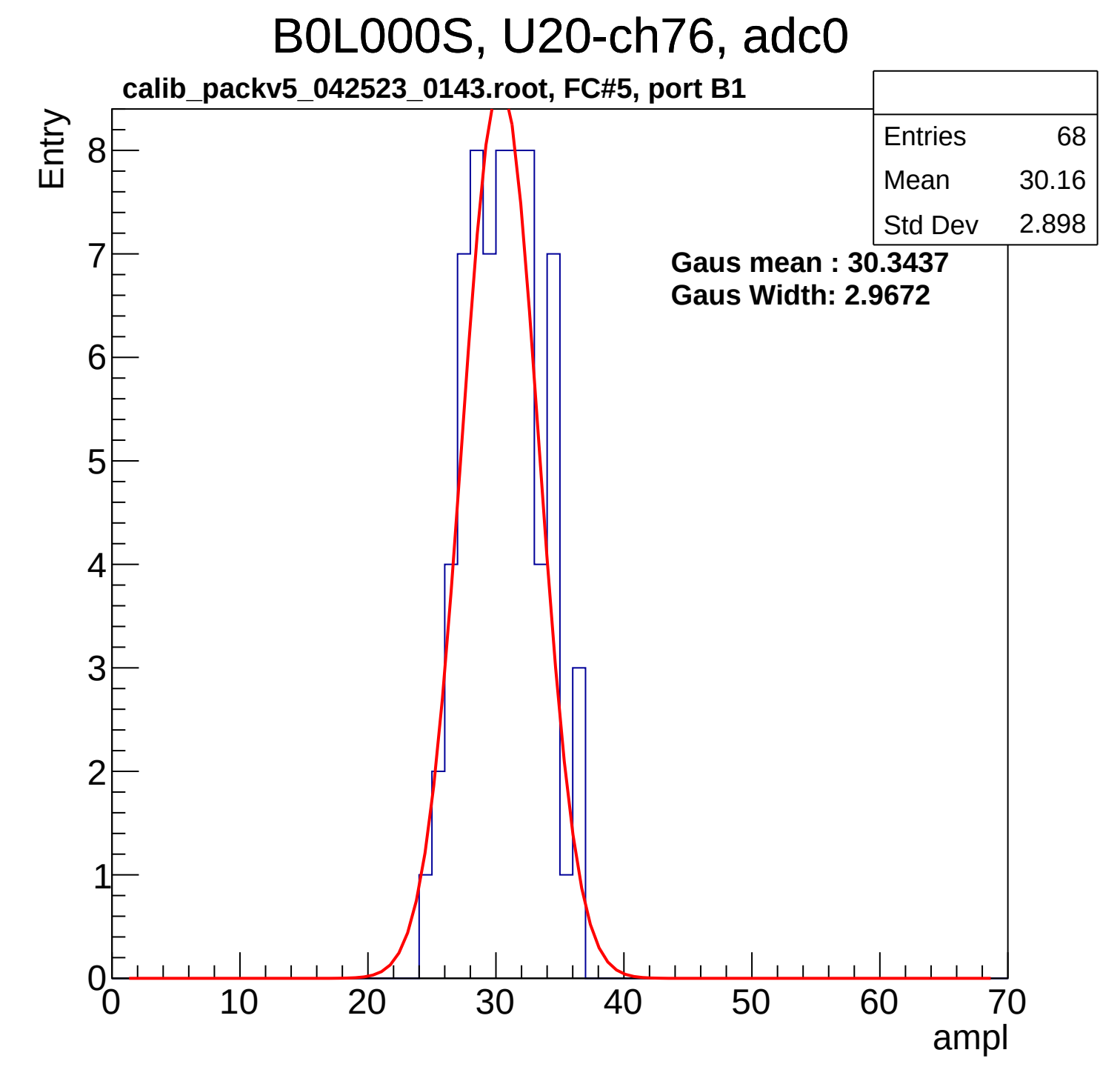
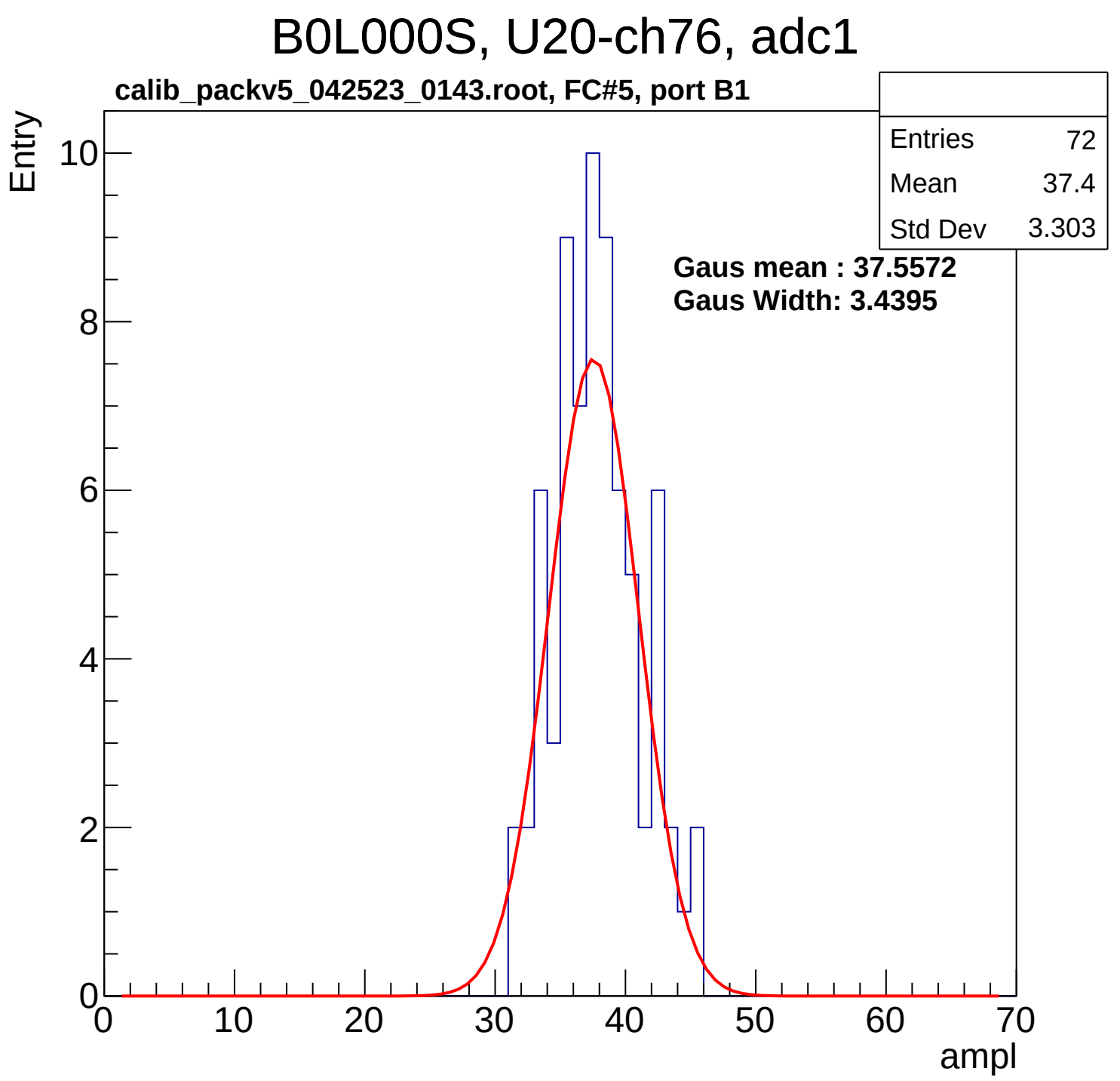
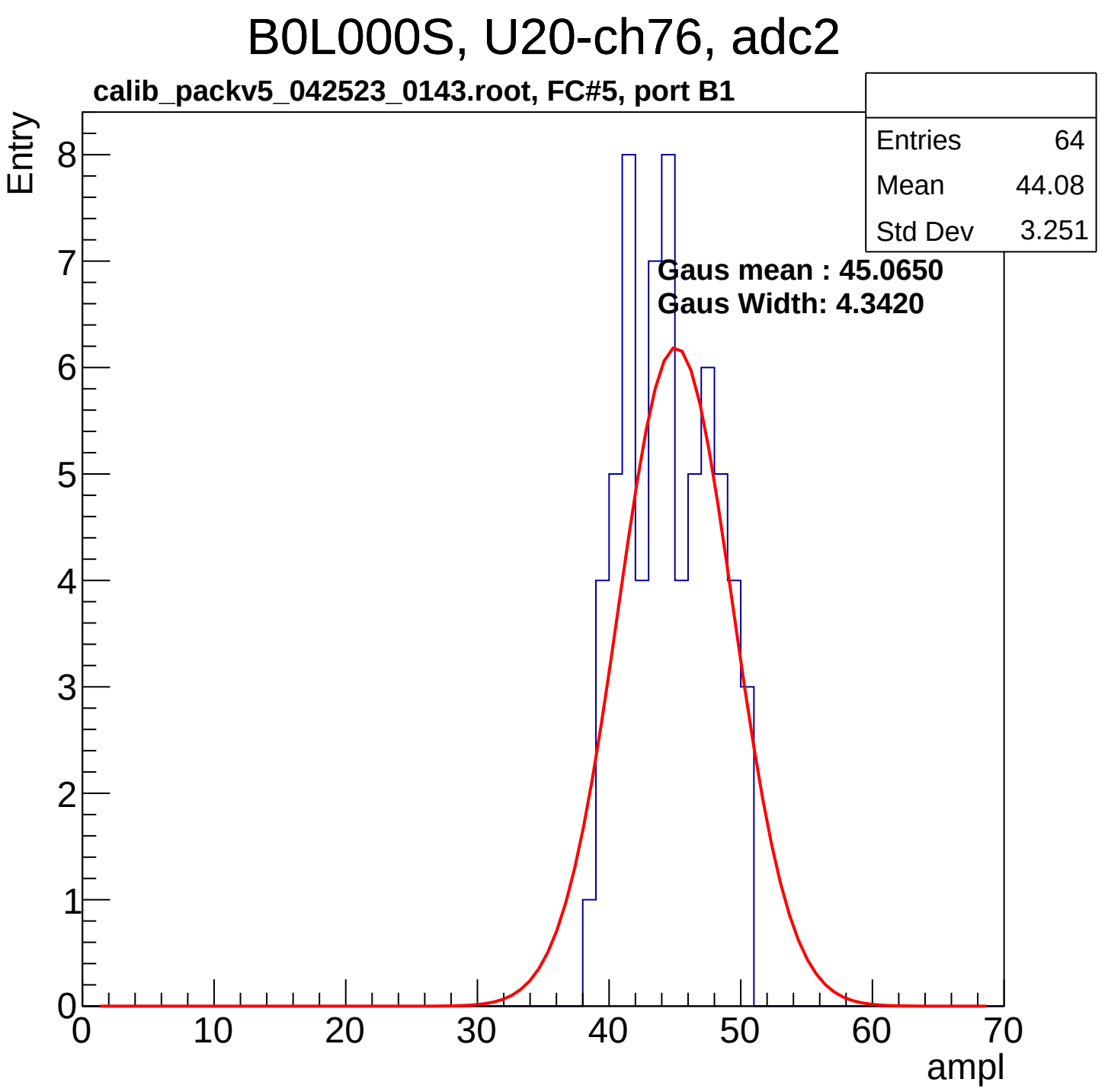

B0L000S, U20-ch75, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 61
Std Dev 1
Entry
ampl
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B0L000S, U20-ch75, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch76, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 30.16
Std Dev 2.898
Gaus mean : 30.3437
Gaus Width: 2.9672
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch76, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 37.4
Std Dev 3.303
Gaus mean : 37.5572
Gaus Width: 3.4395
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch76, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 44.08
Std Dev 3.251
Gaus mean : 45.0650
Gaus Width: 4.3420
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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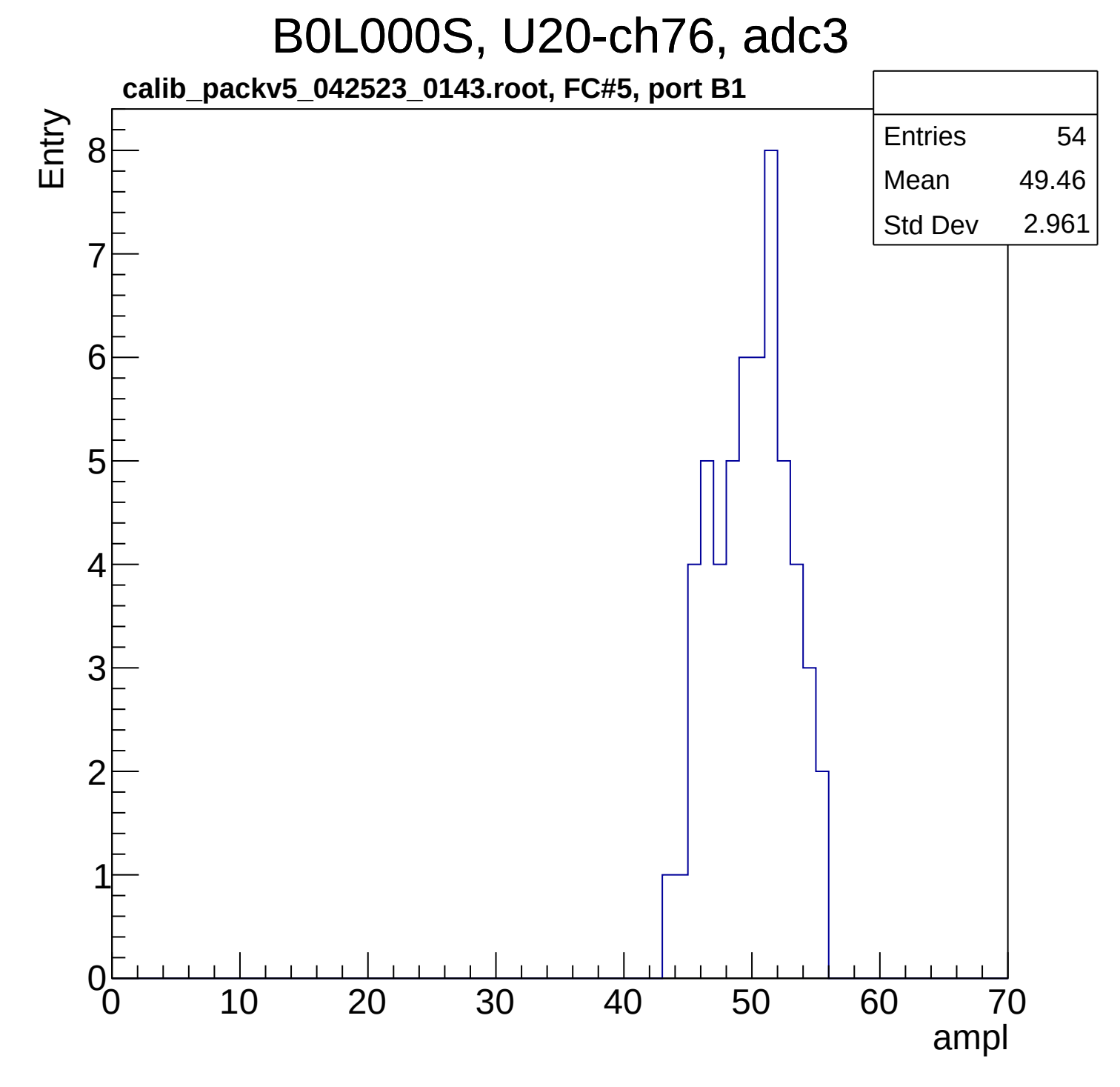
B0L000S, U20-ch76, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 49.46
Std Dev 2.961
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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50
60
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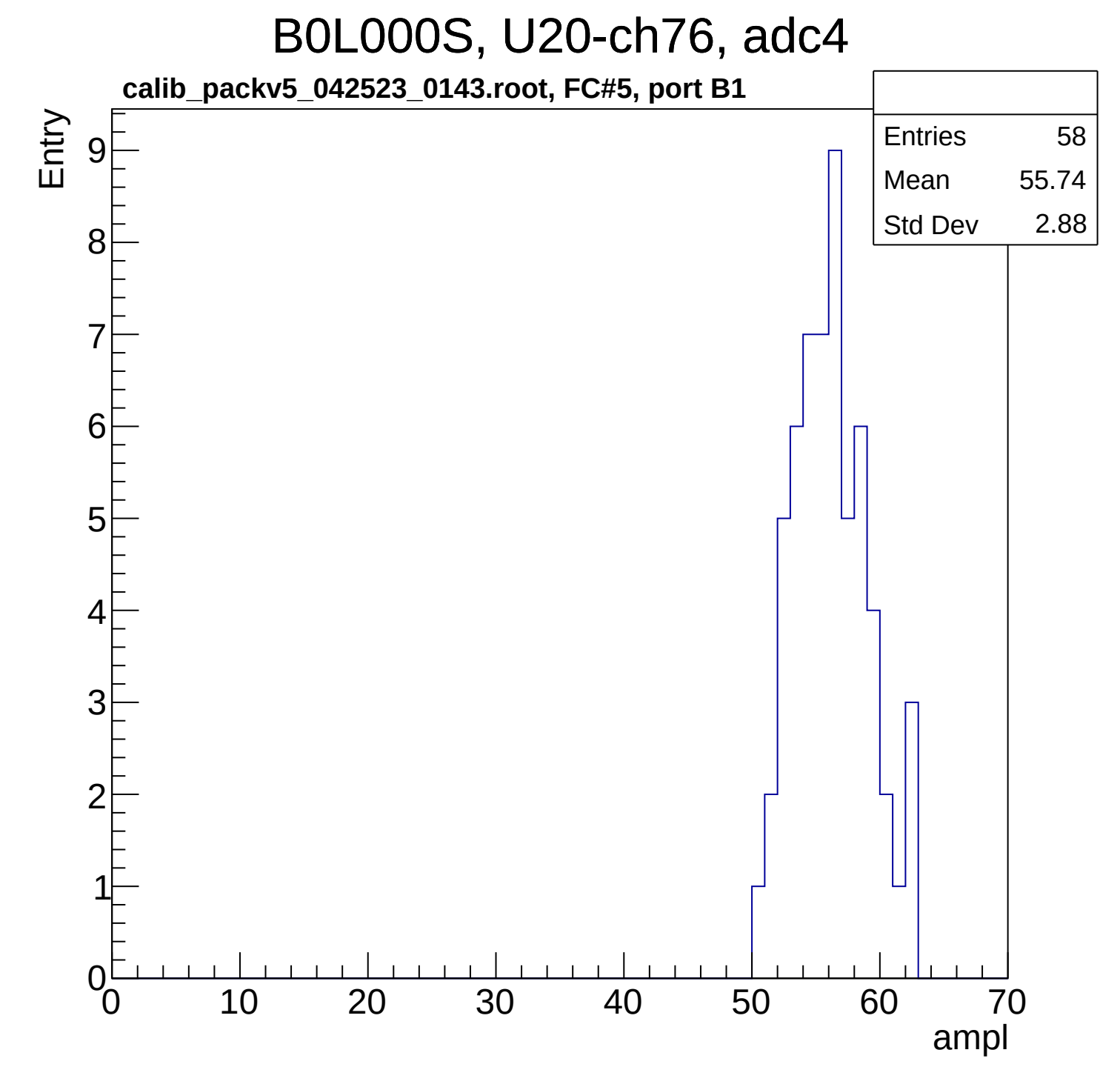
B0L000S, U20-ch76, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 55.74
Std Dev 2.88
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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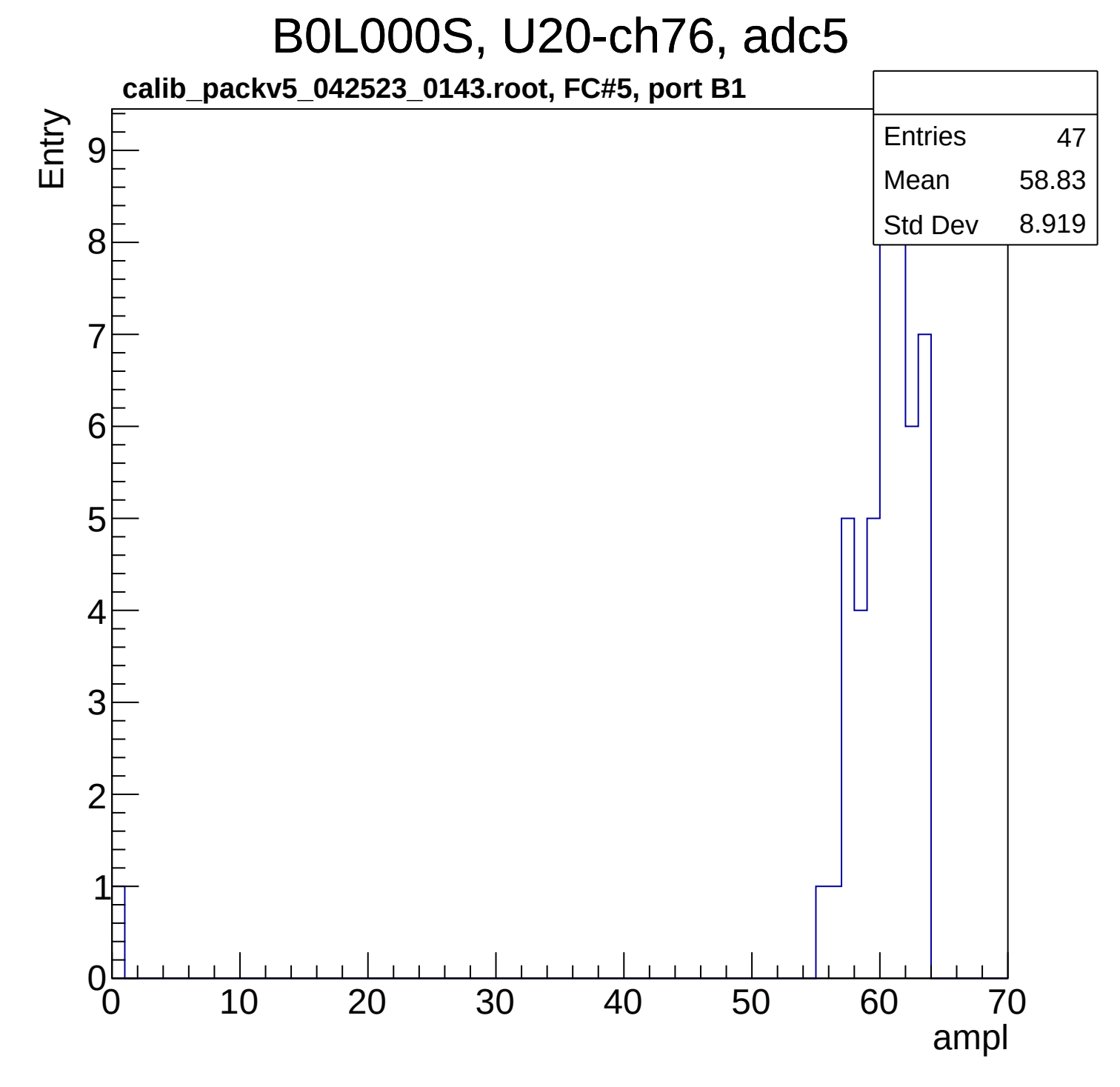
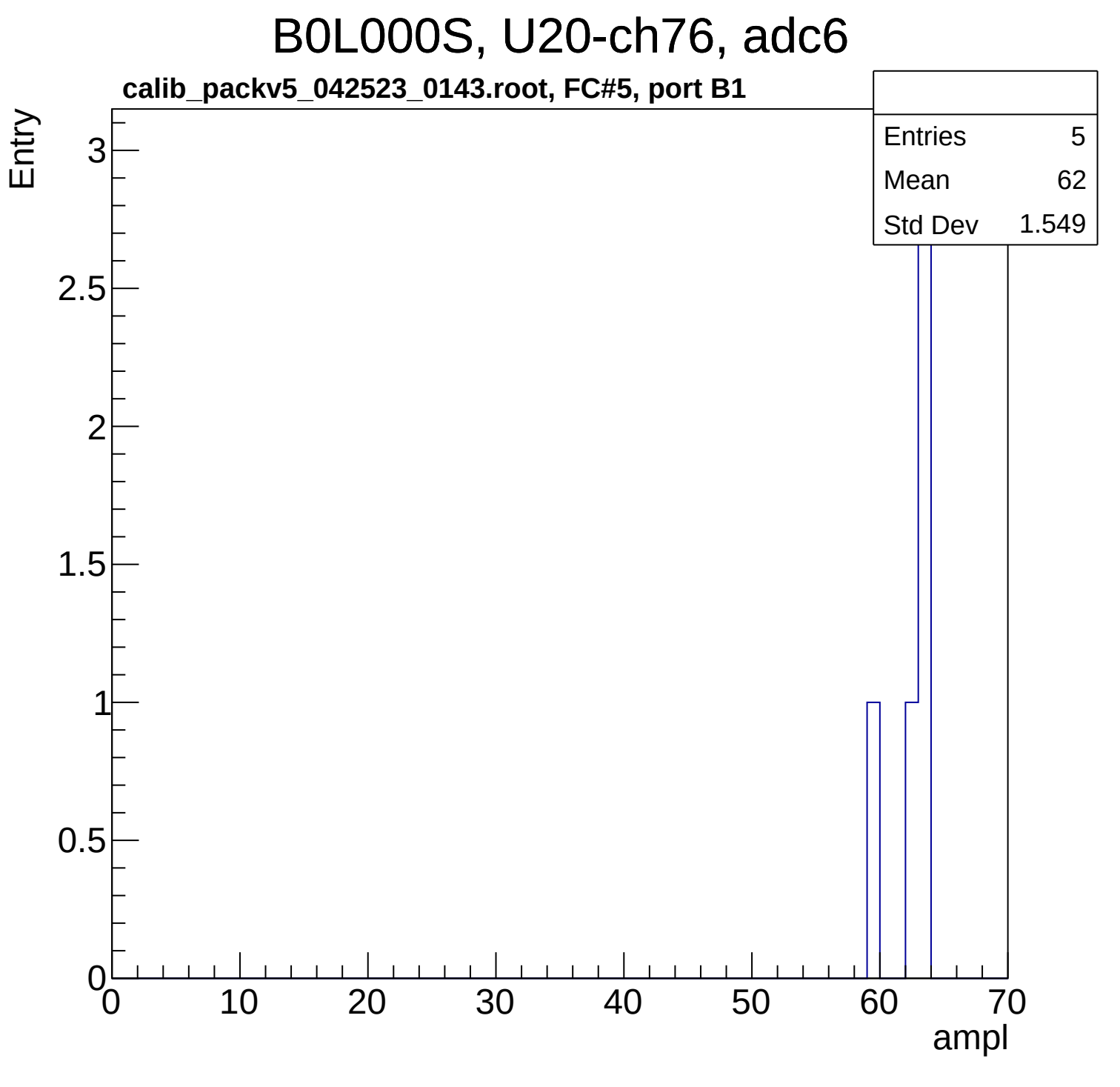

B0L000S, U20-ch76, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 58.83
Std Dev 8.919
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch76, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 62
Std Dev 1.549
Entry
ampl
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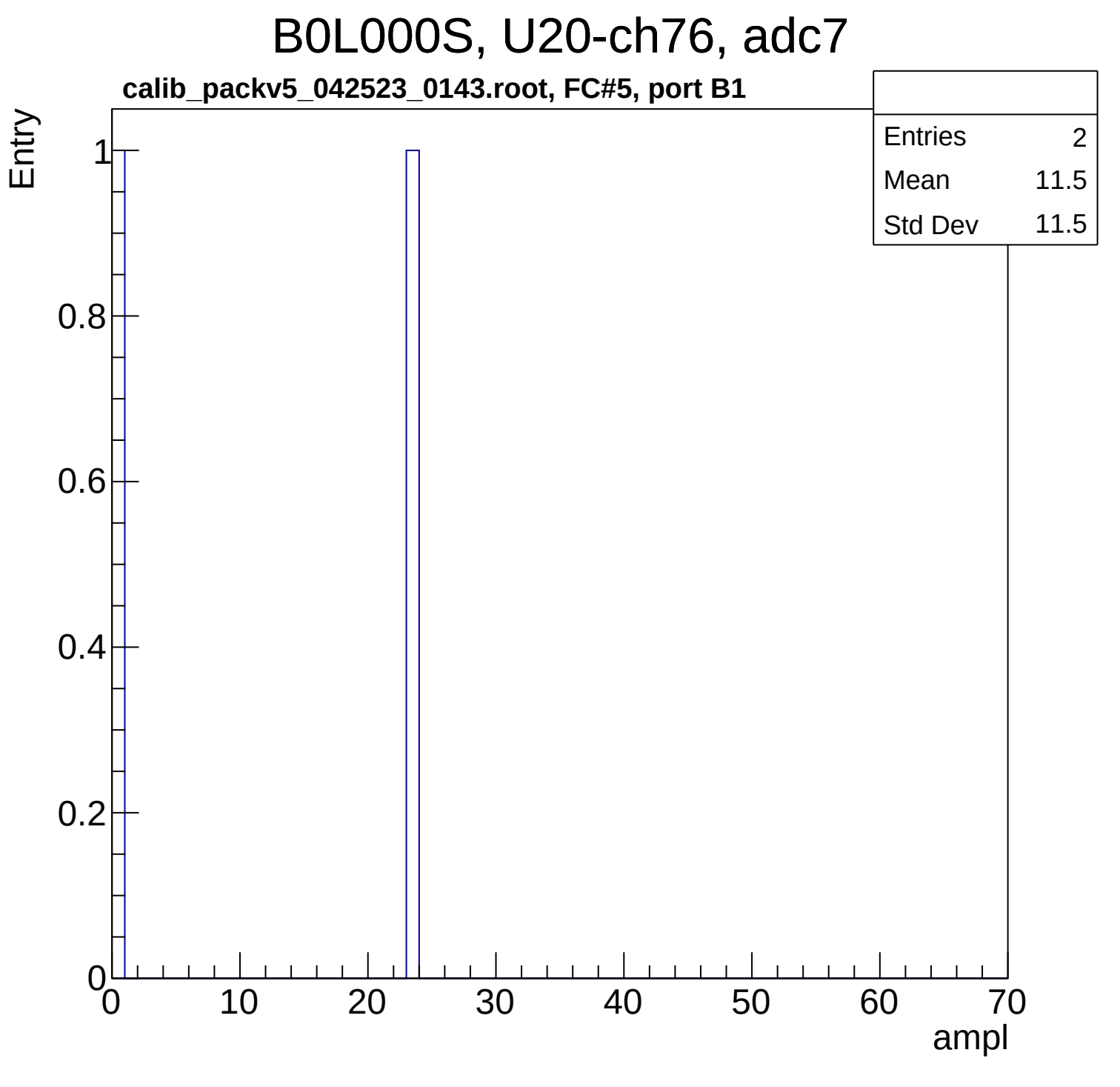
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch76, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 11.5
Std Dev 11.5
Entry
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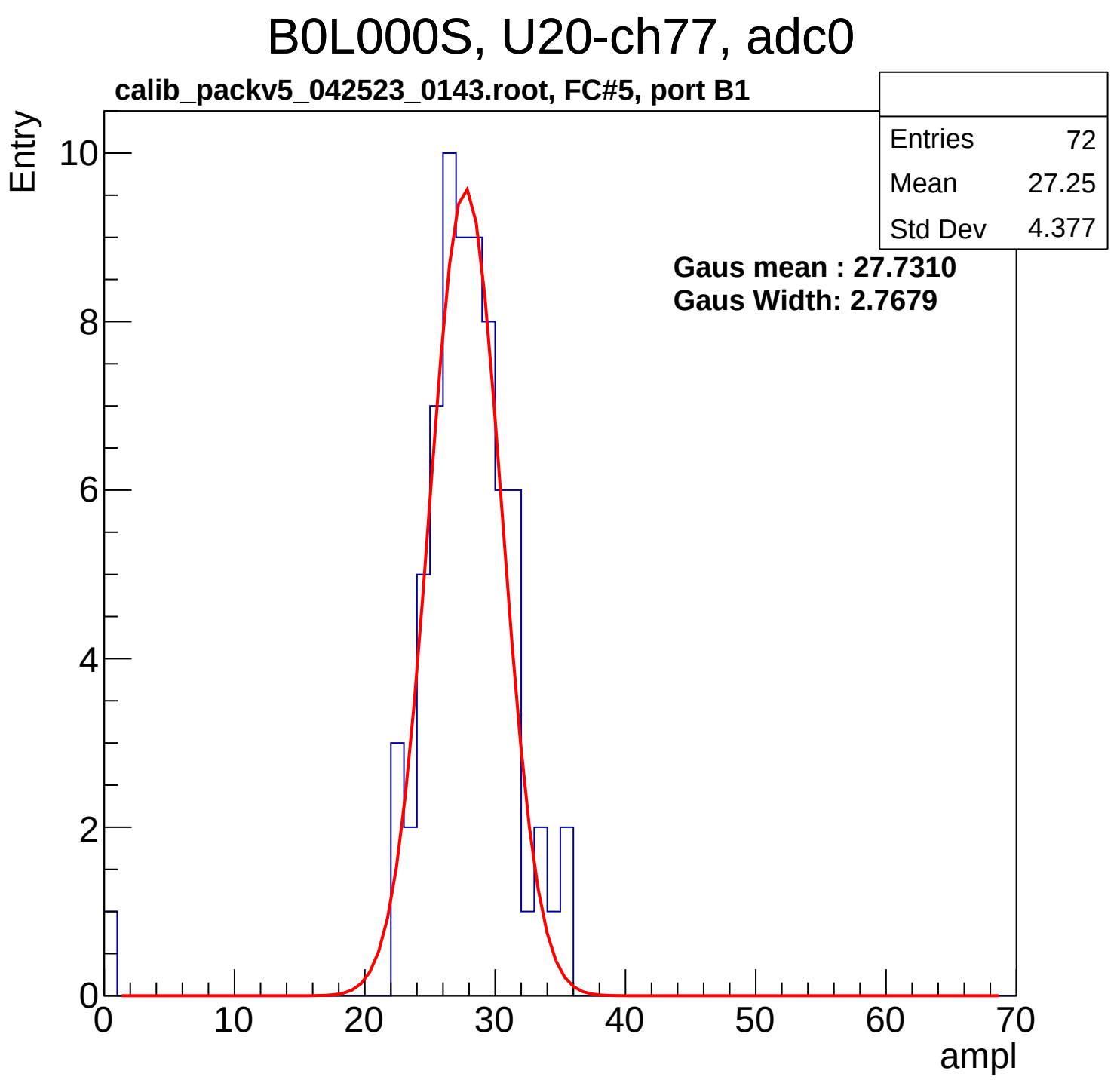
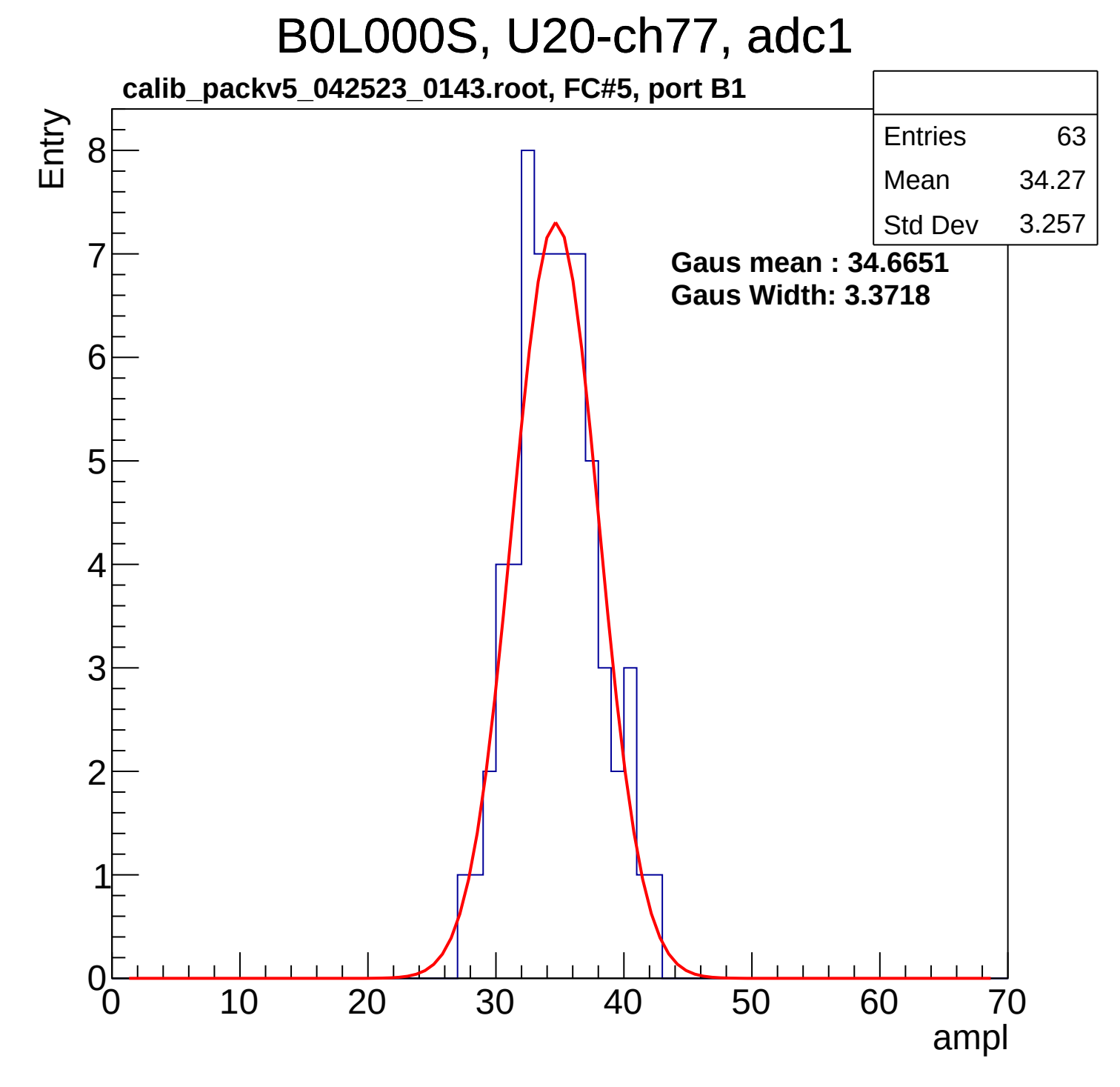
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch77, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 27.25
Std Dev 4.377
Gaus mean : 27.7310
Gaus Width: 2.7679
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch77, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 34.27
Std Dev 3.257
Gaus mean : 34.6651
Gaus Width: 3.3718
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
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60
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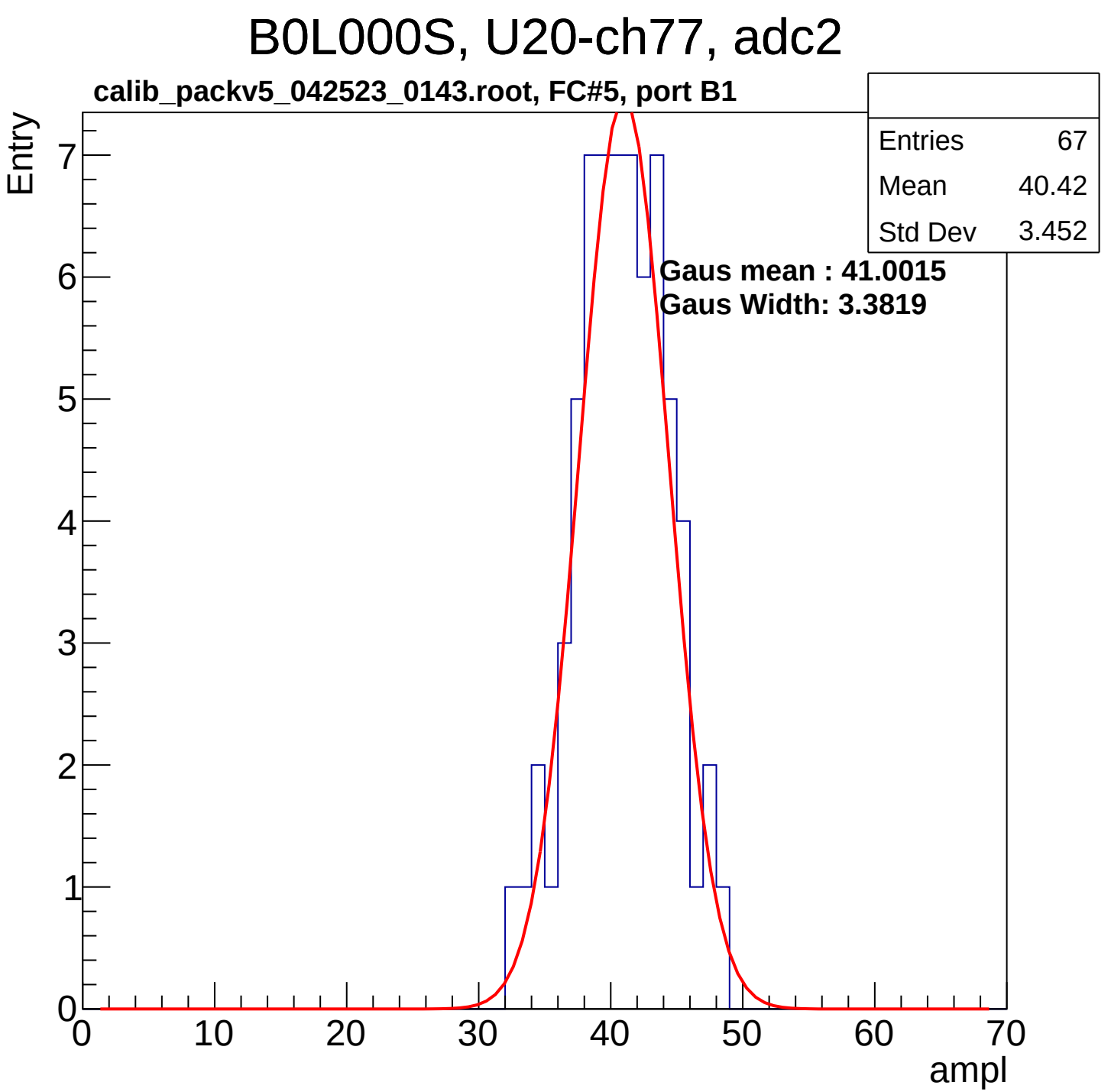
B0L000S, U20-ch77, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 40.42
Std Dev 3.452
Gaus mean : 41.0015
Gaus Width: 3.3819
Entry
ampl
0
1
2
3
4
5
6
7
0
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40
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60
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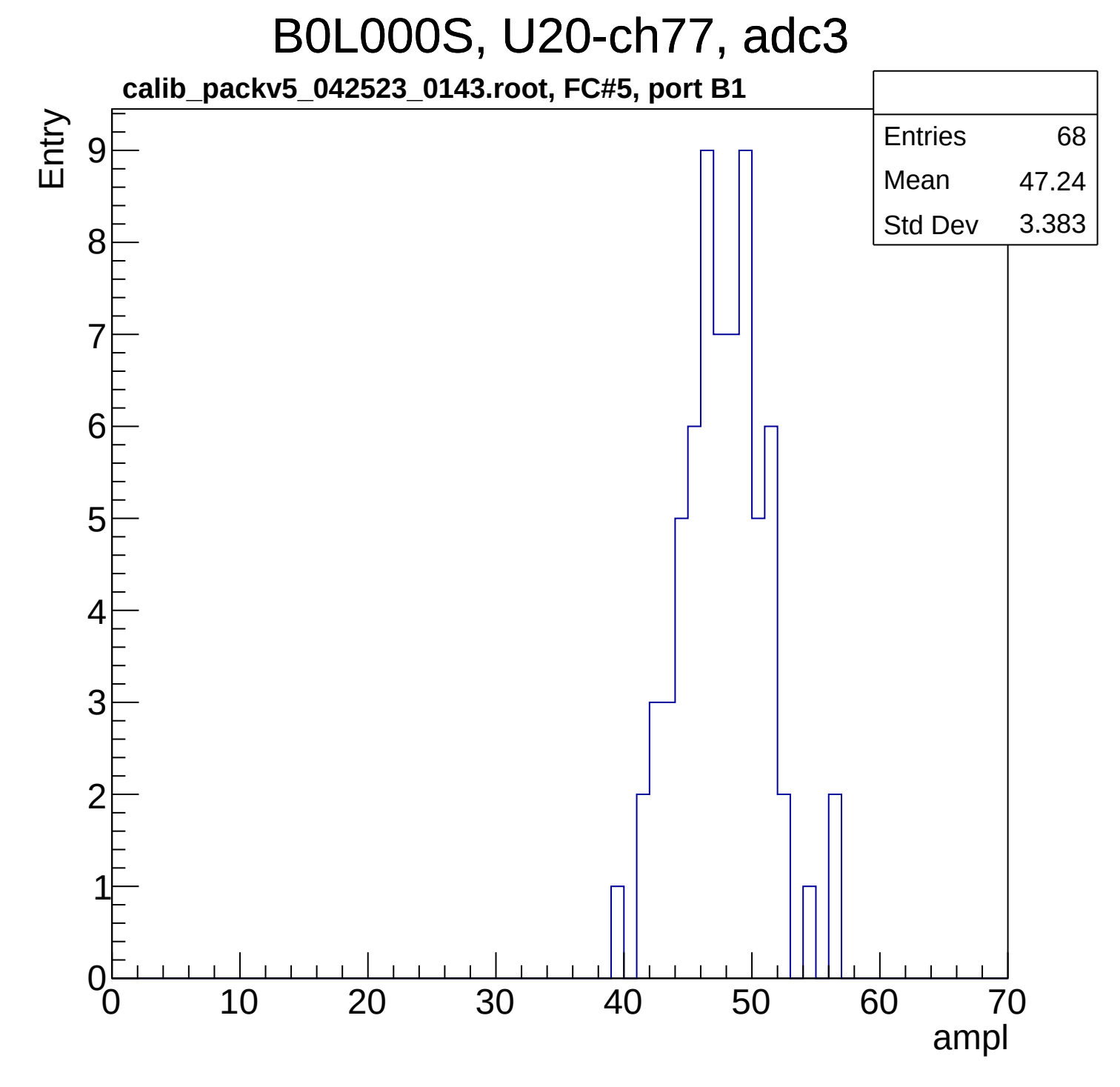
B0L000S, U20-ch77, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 47.24
Std Dev 3.383
Entry
ampl
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2
3
4
5
6
7
8
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0
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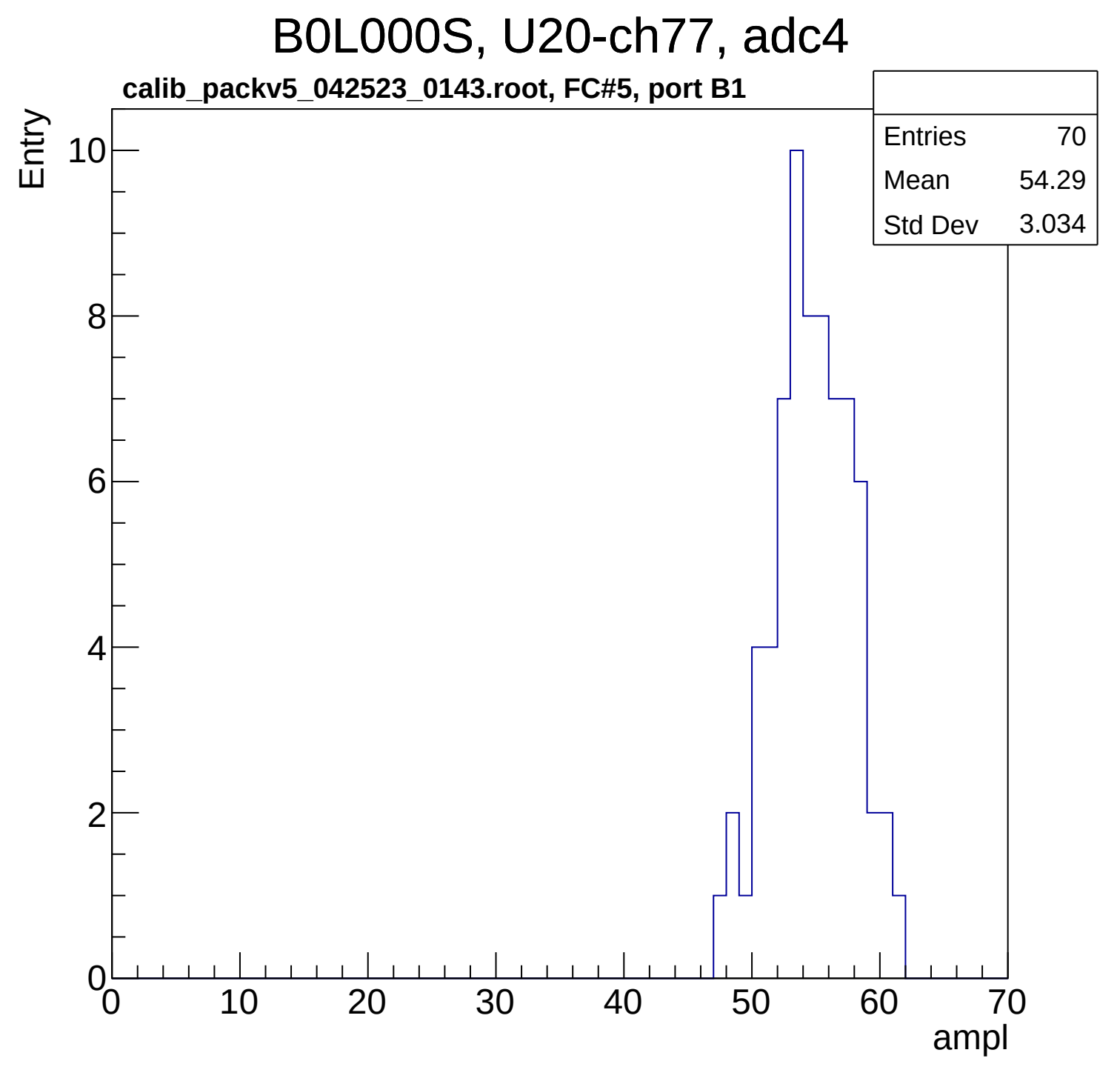
B0L000S, U20-ch77, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 54.29
Std Dev 3.034
Entry
ampl
0
2
4
6
8
10
0
10
20
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40
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60
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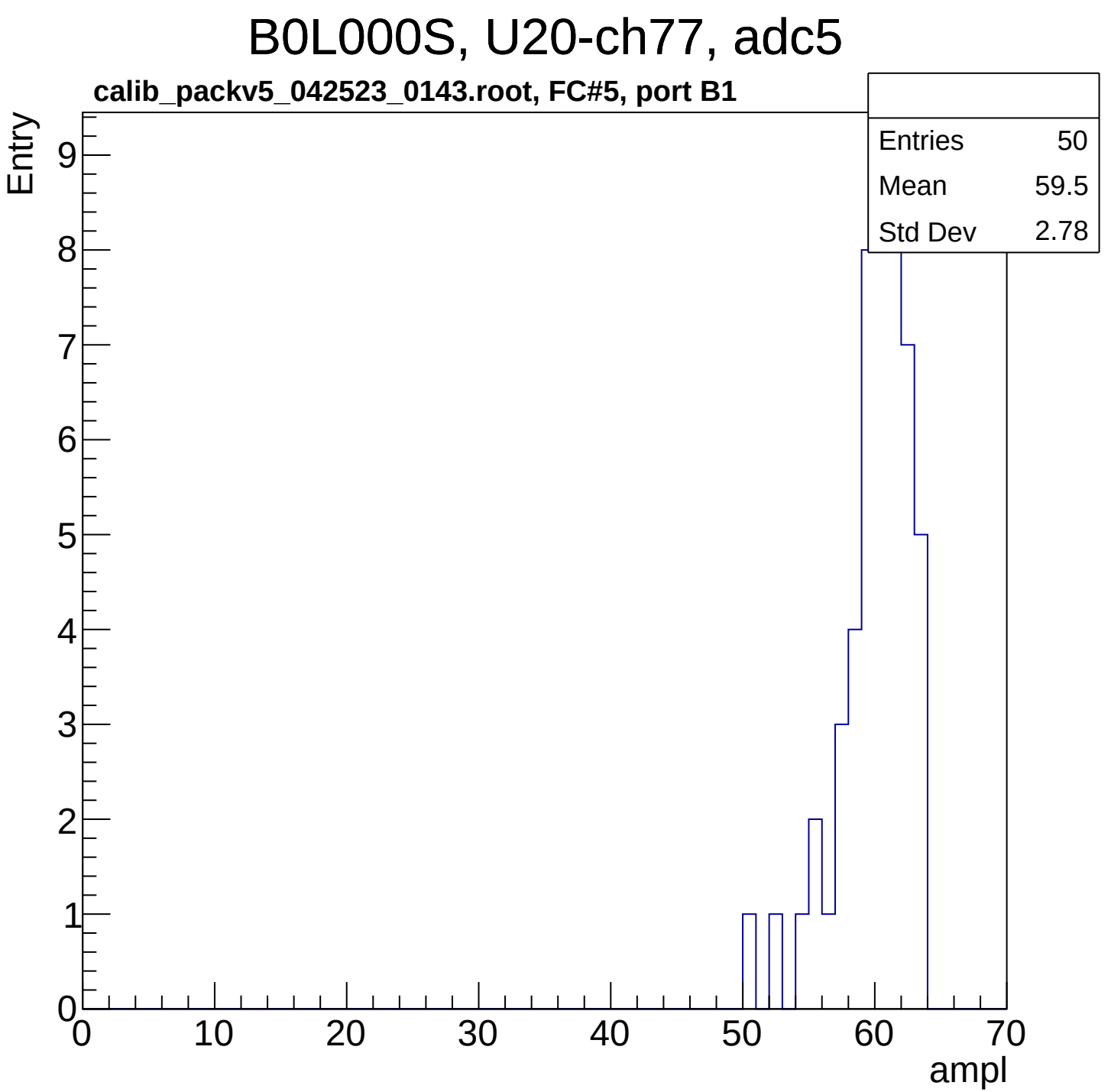
B0L000S, U20-ch77, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 59.5
Std Dev 2.78
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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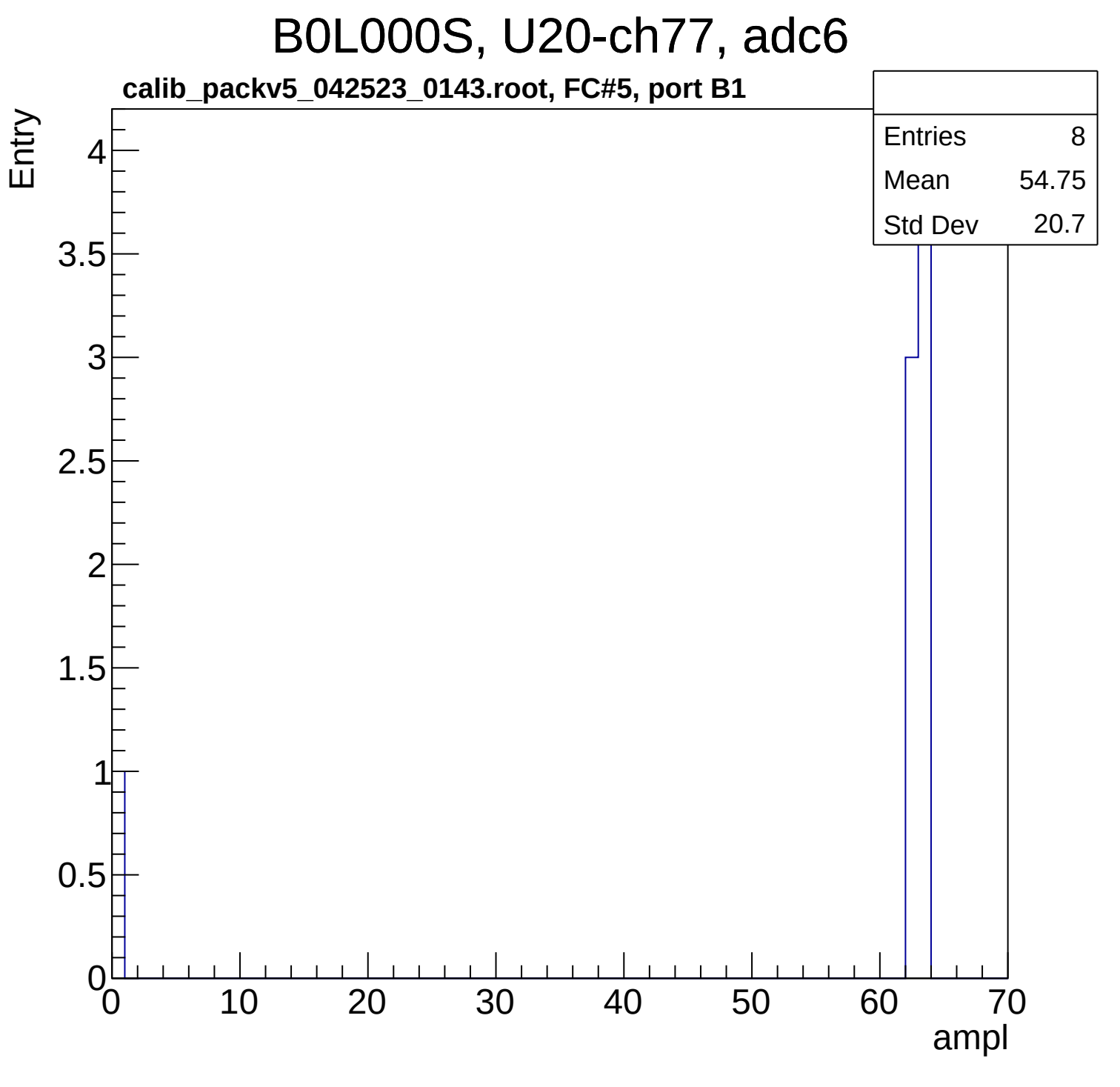
B0L000S, U20-ch77, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 8
Mean 54.75
Std Dev 20.7
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
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60
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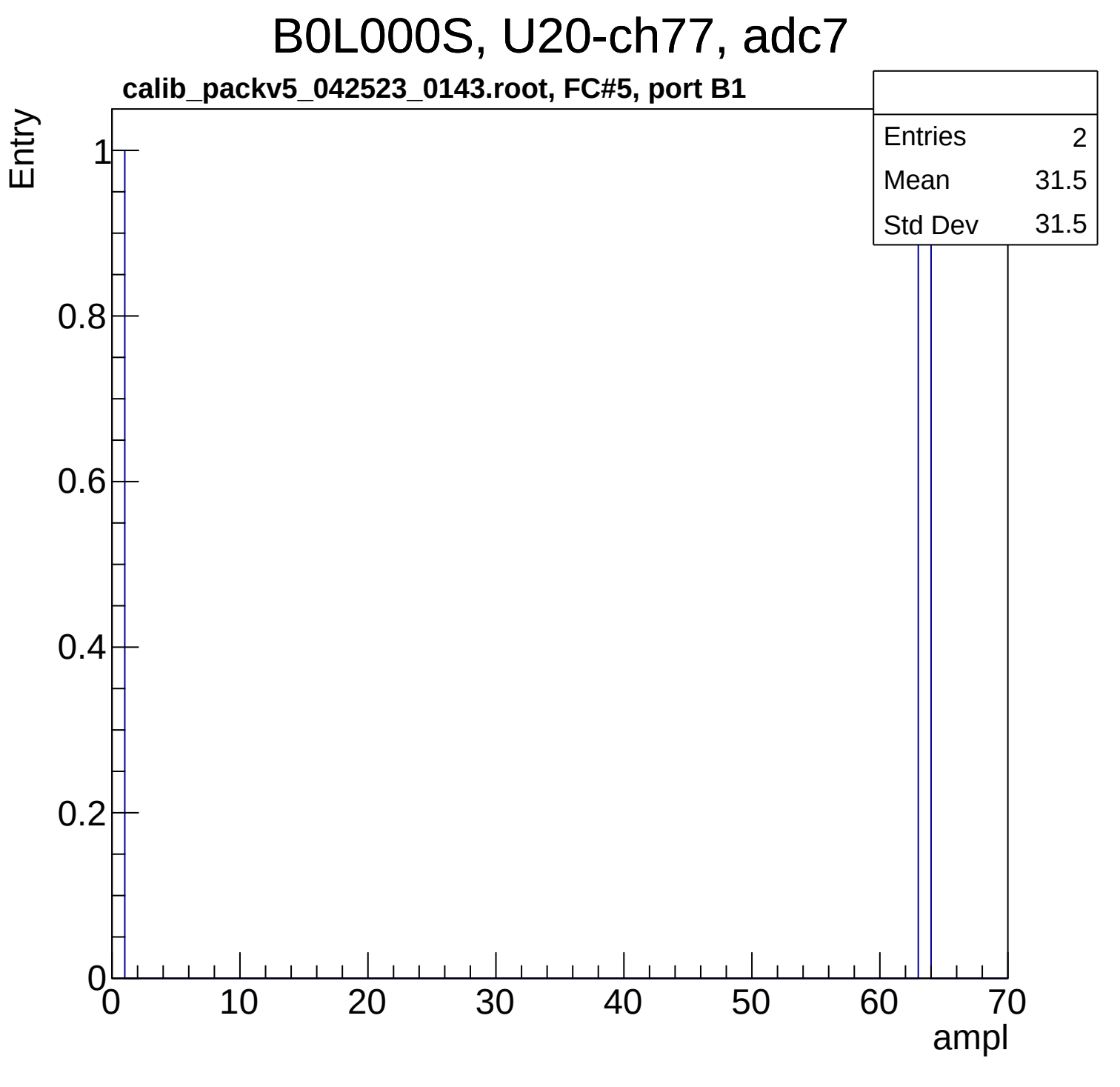
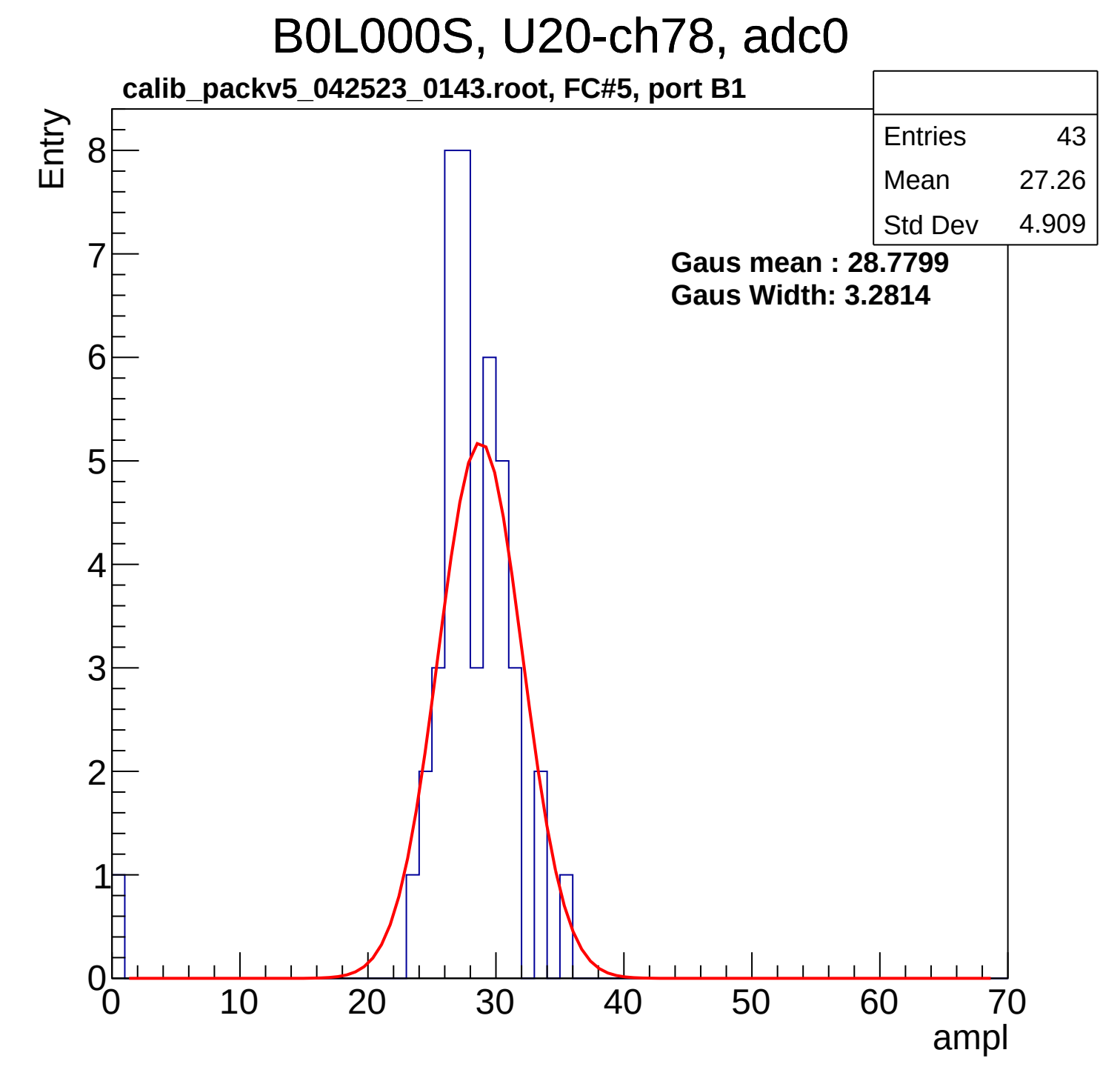
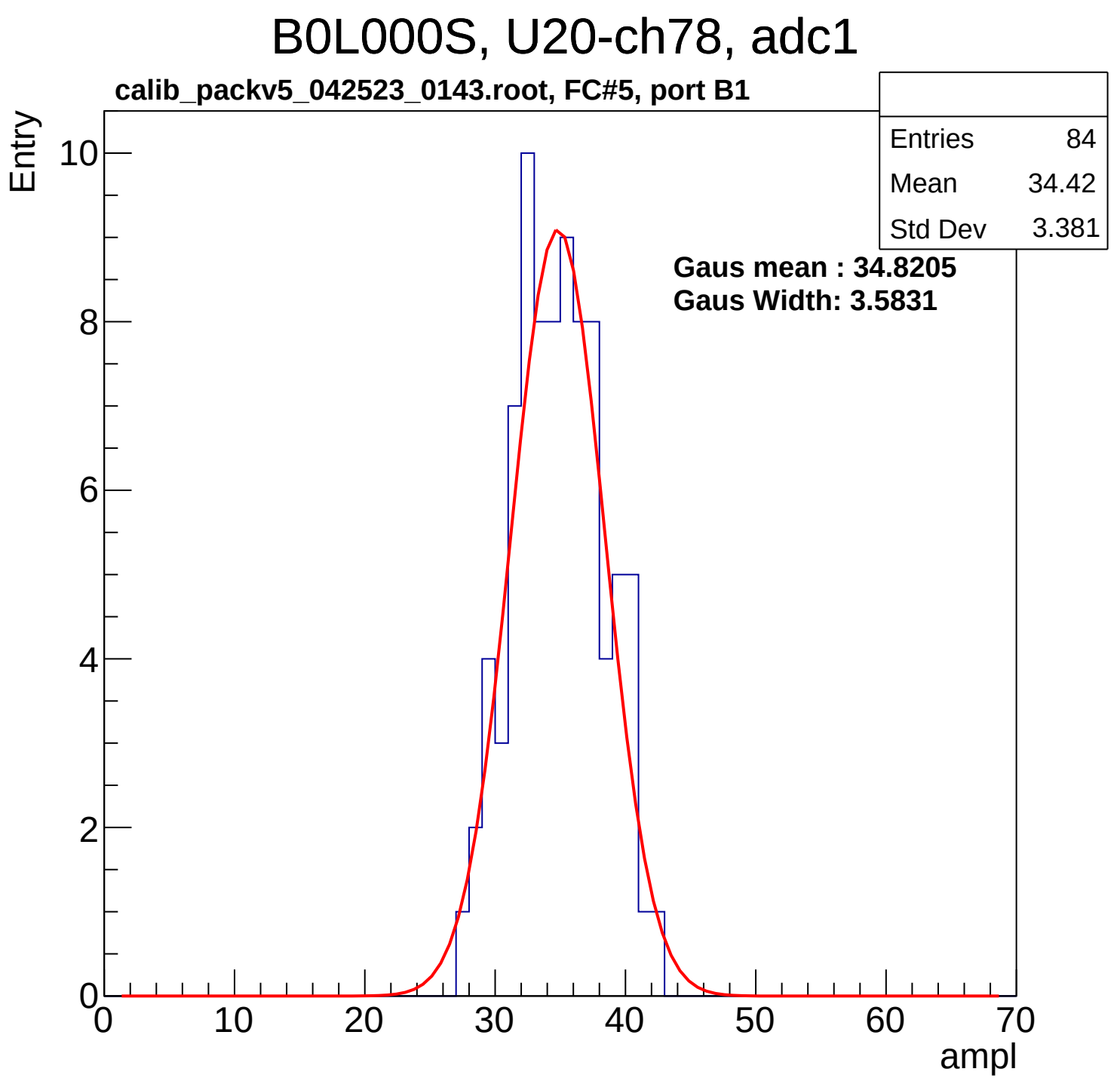
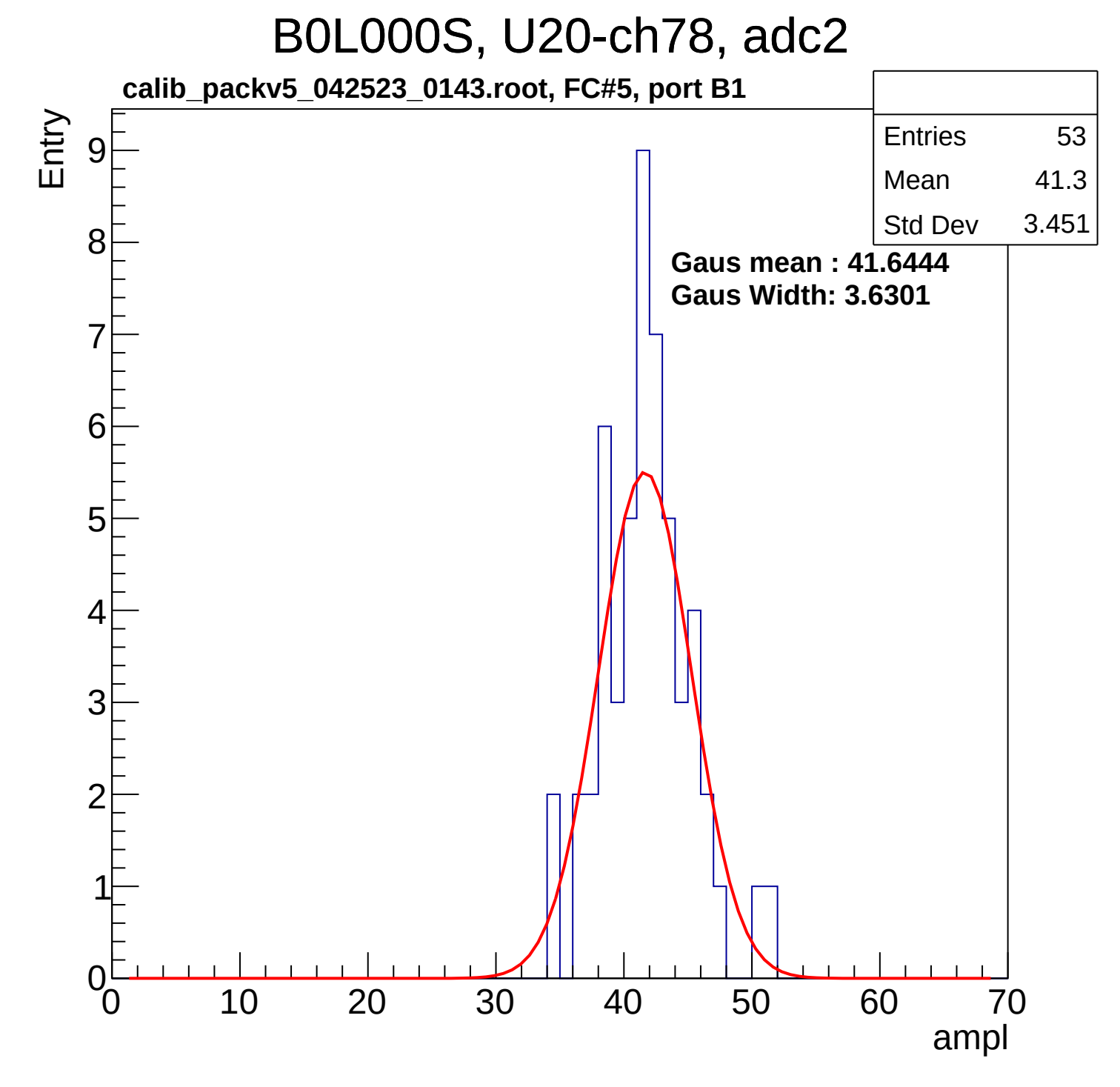
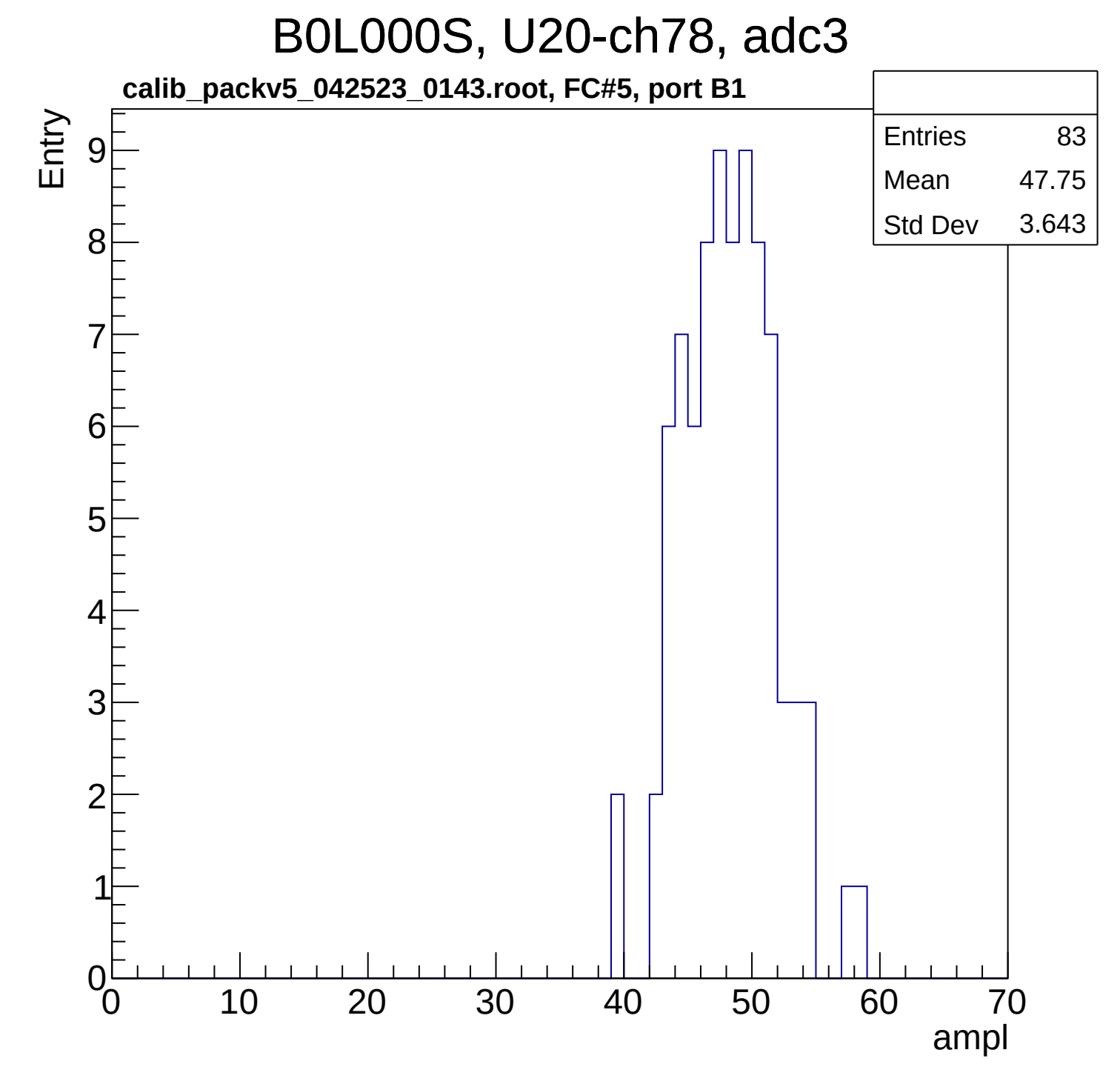

B0L000S, U20-ch77, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch78, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 27.26
Std Dev 4.909
Gaus mean : 28.7799
Gaus Width: 3.2814
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch78, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 34.42
Std Dev 3.381
Gaus mean : 34.8205
Gaus Width: 3.5831
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch78, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 41.3
Std Dev 3.451
Gaus mean : 41.6444
Gaus Width: 3.6301
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch78, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 83
Mean 47.75
Std Dev 3.643
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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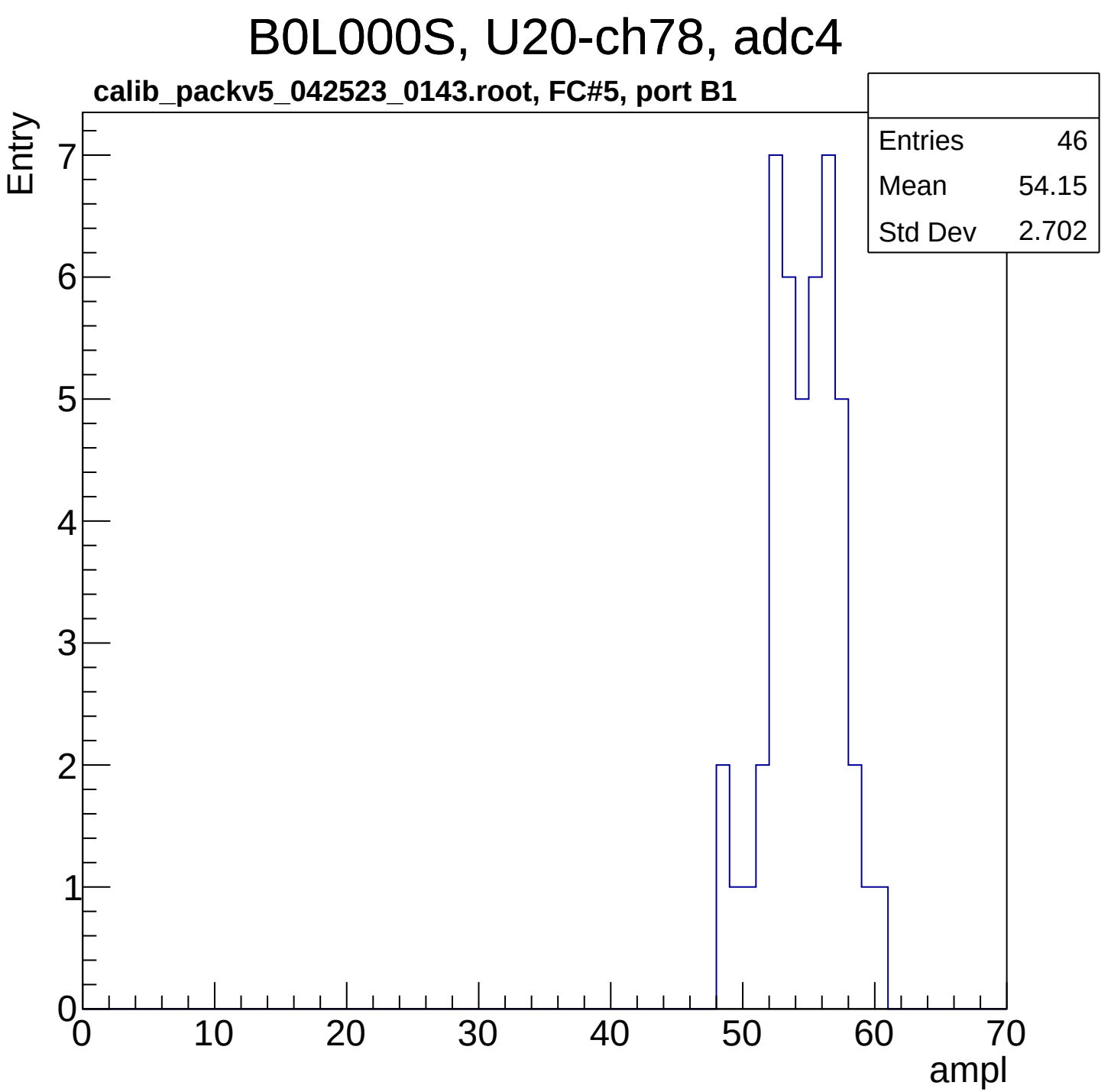
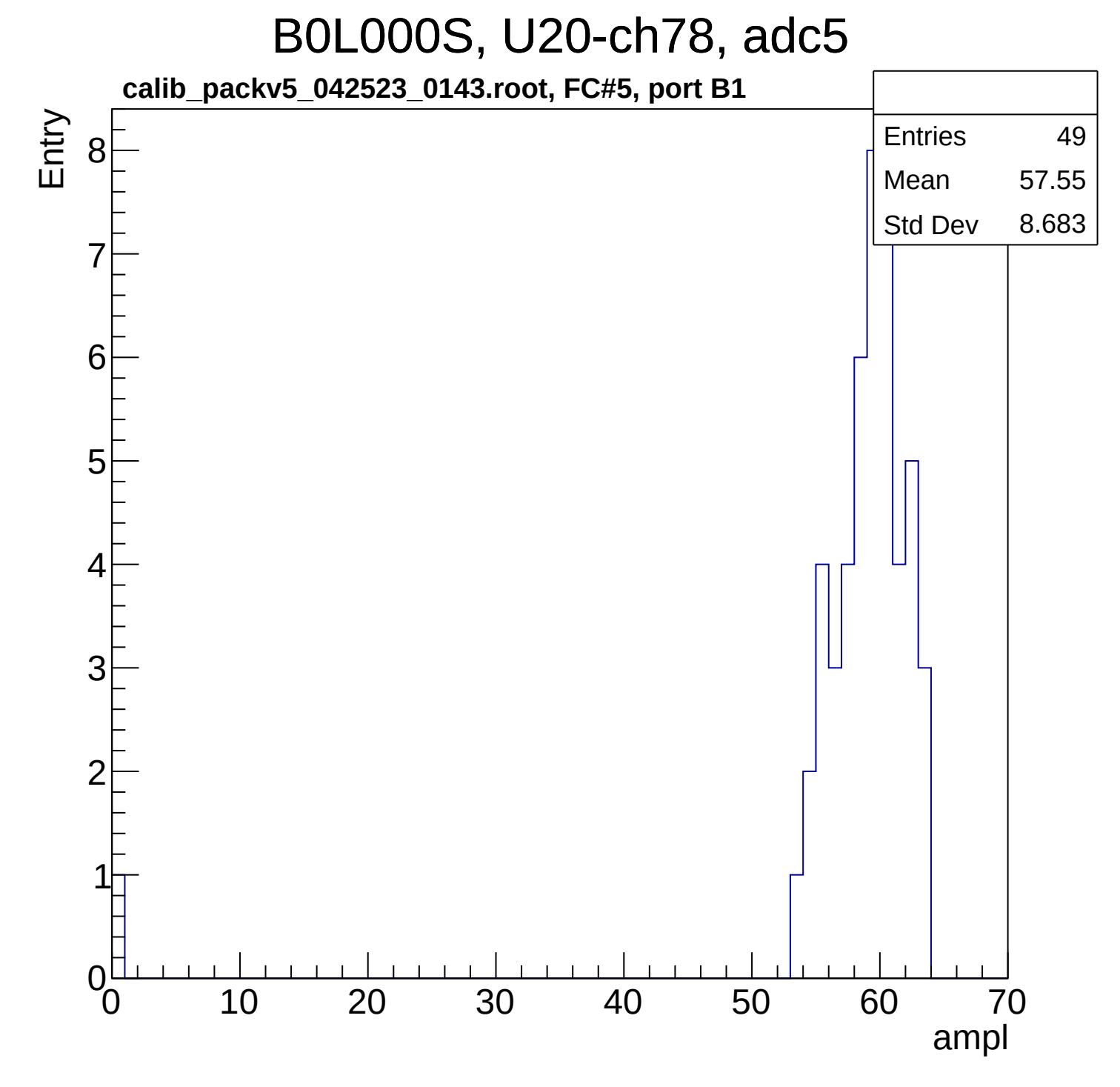

B0L000S, U20-ch78, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 54.15
Std Dev 2.702
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch78, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 57.55
Std Dev 8.683
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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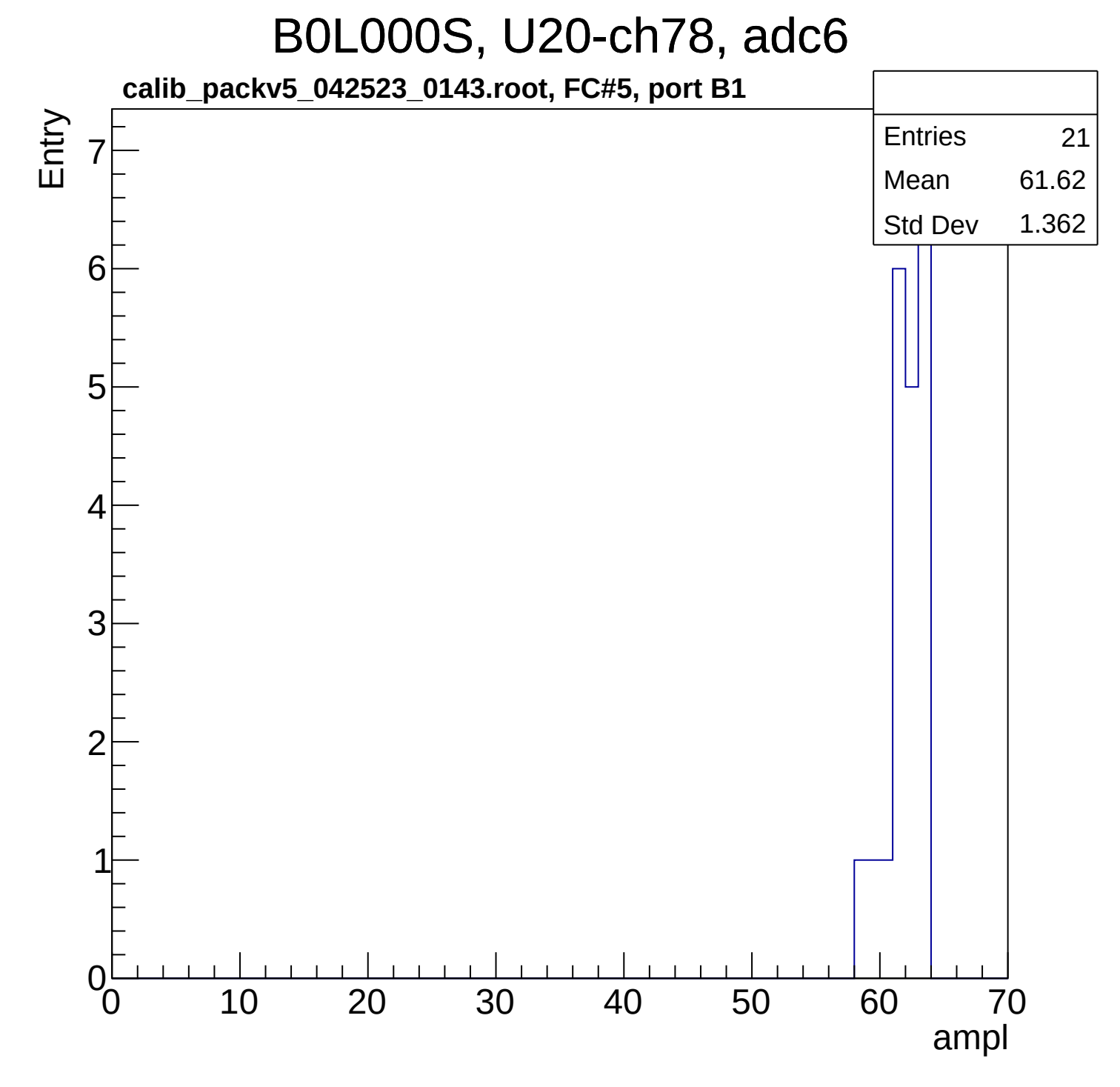
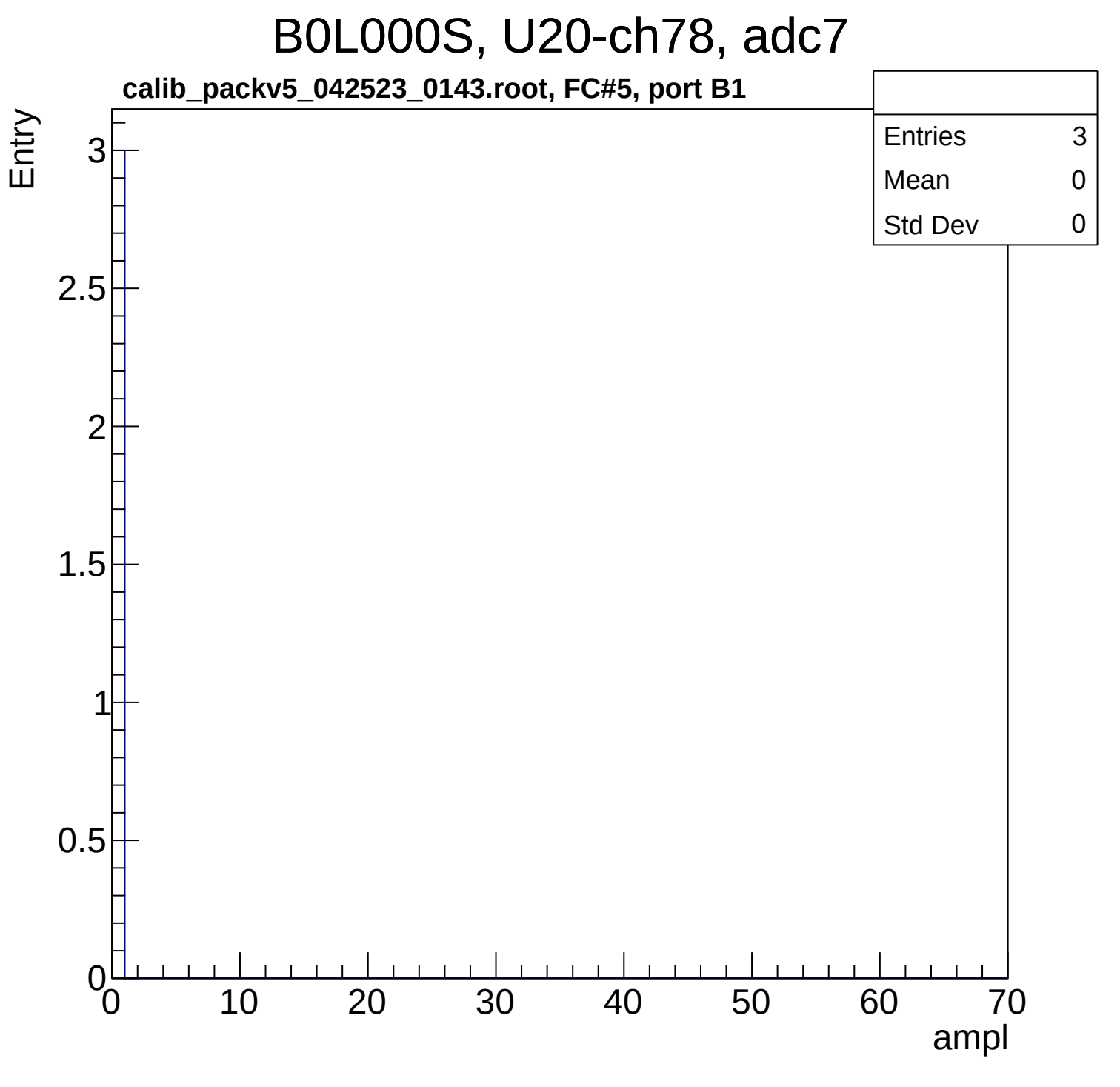
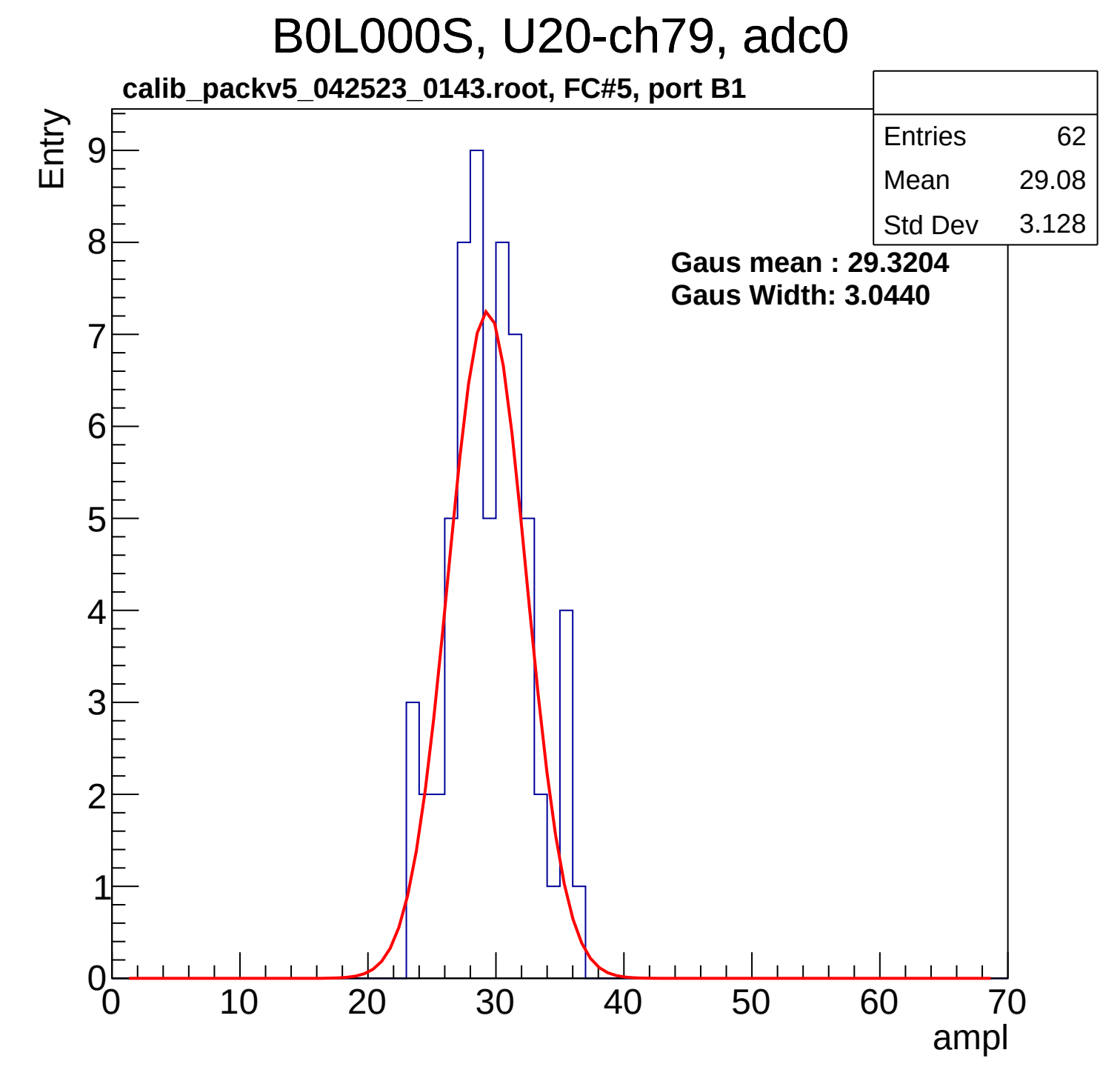
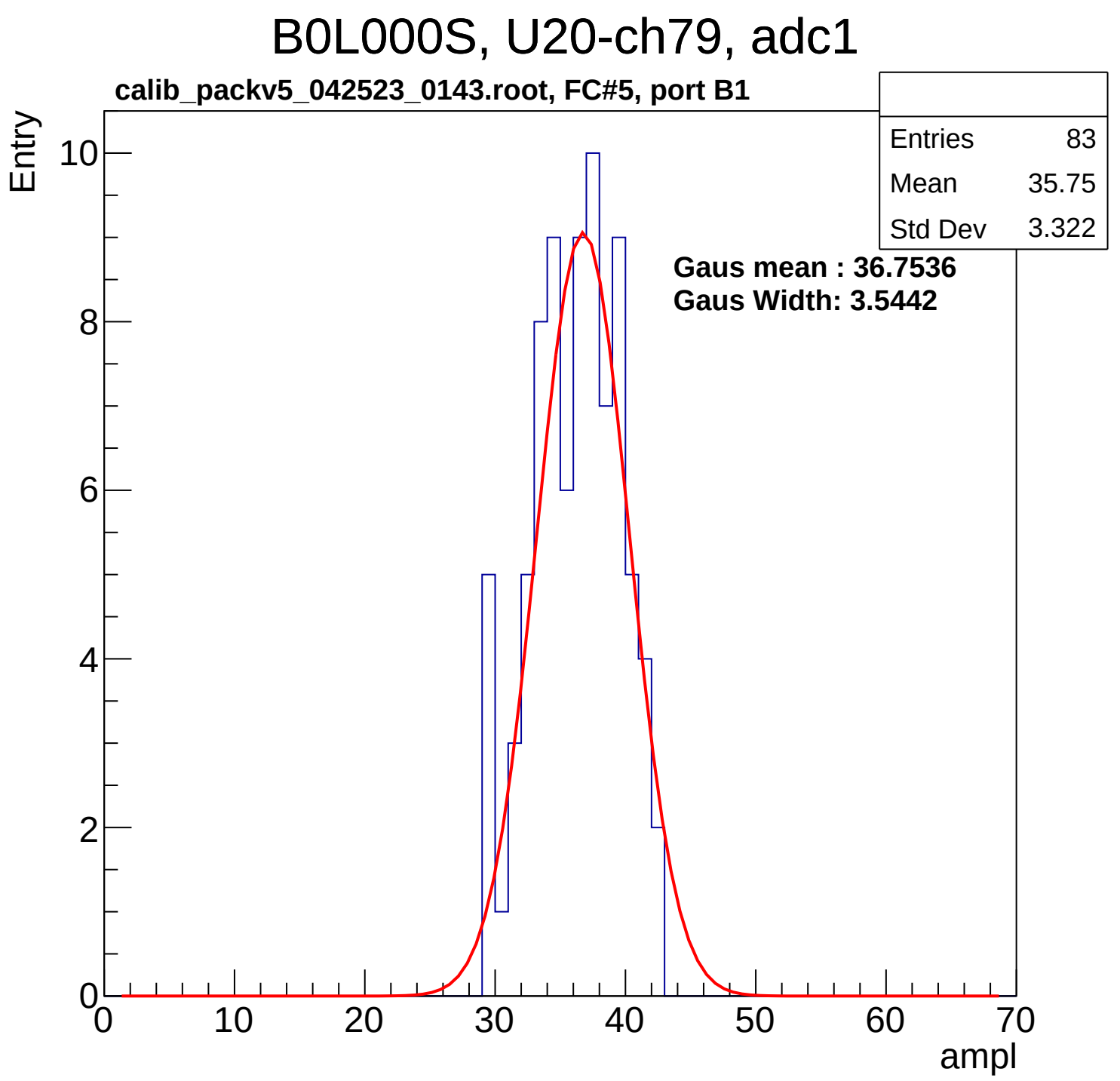
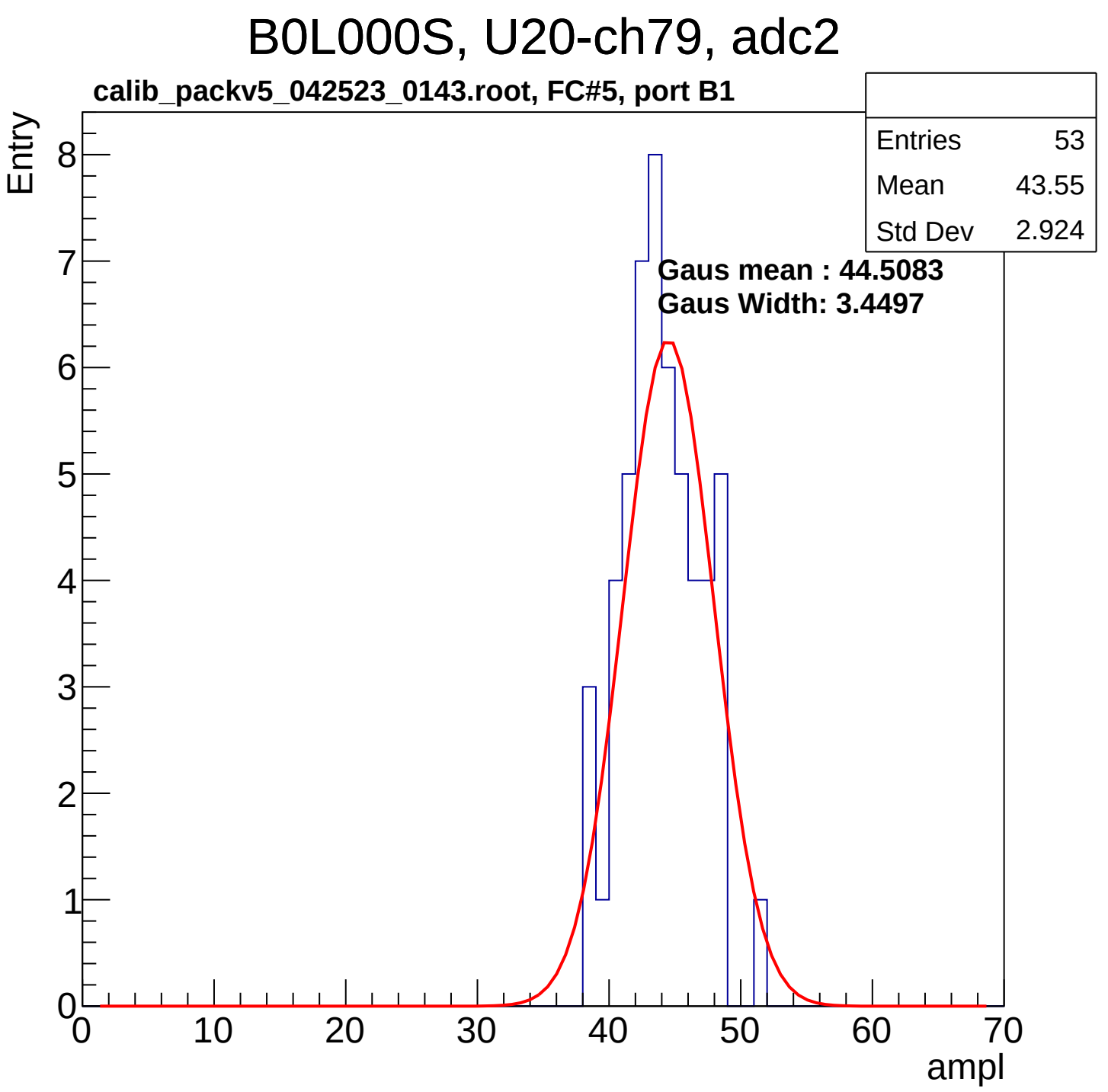

B0L000S, U20-ch78, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 21
Mean 61.62
Std Dev 1.362
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch78, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch79, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 29.08
Std Dev 3.128
Gaus mean : 29.3204
Gaus Width: 3.0440
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch79, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 83
Mean 35.75
Std Dev 3.322
Gaus mean : 36.7536
Gaus Width: 3.5442
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch79, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 43.55
Std Dev 2.924
Gaus mean : 44.5083
Gaus Width: 3.4497
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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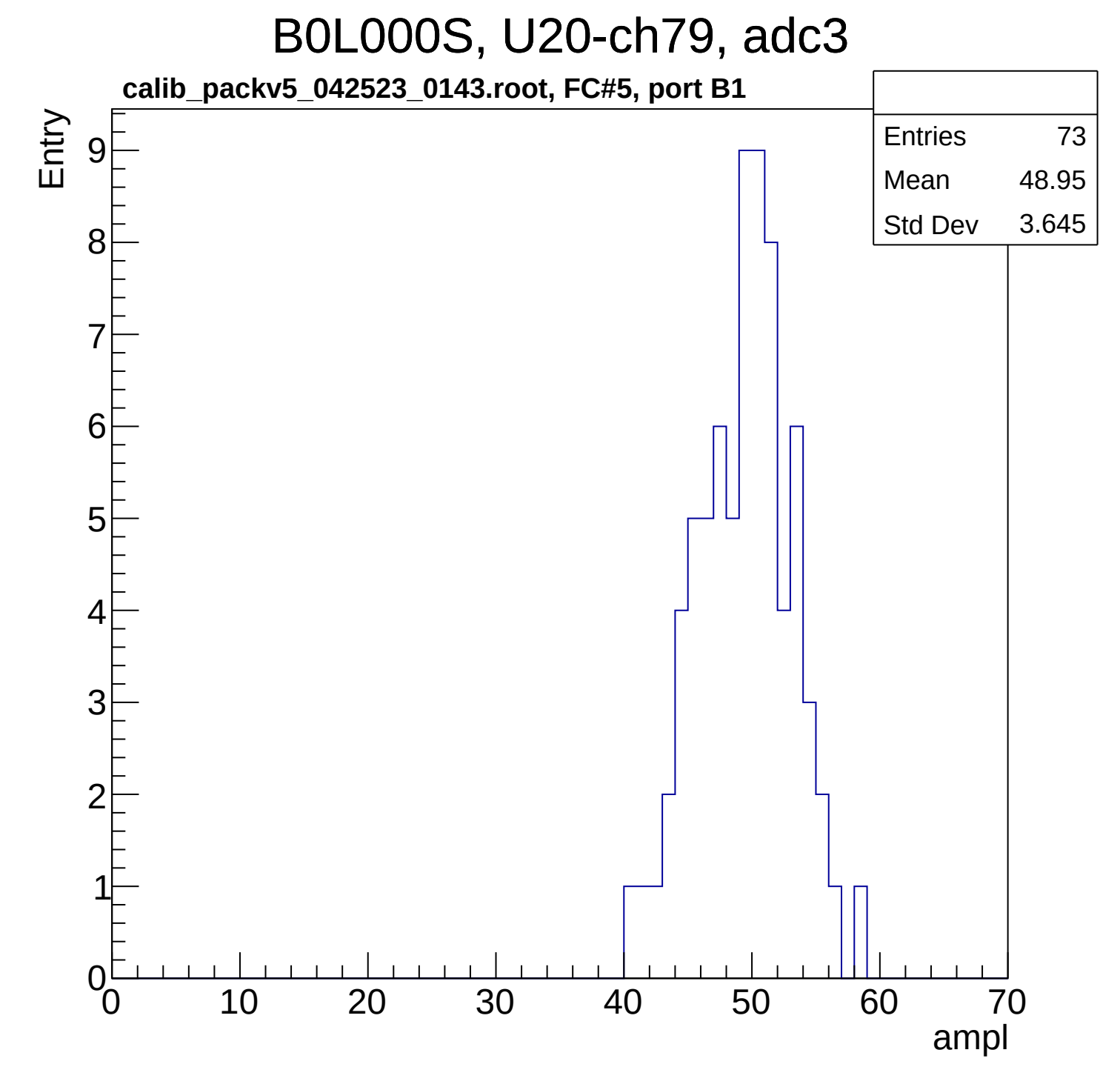
B0L000S, U20-ch79, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 48.95
Std Dev 3.645
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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40
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60
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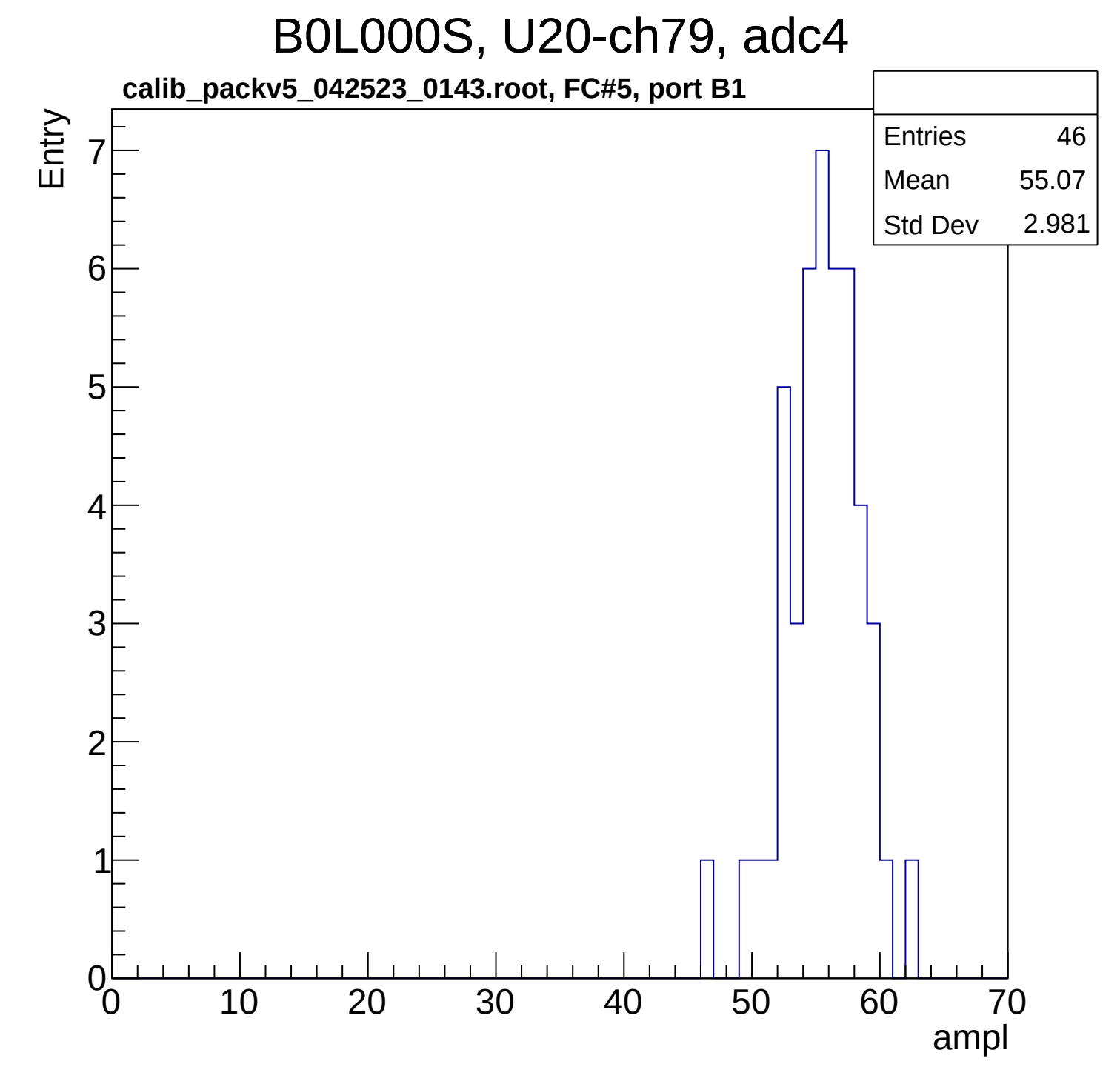
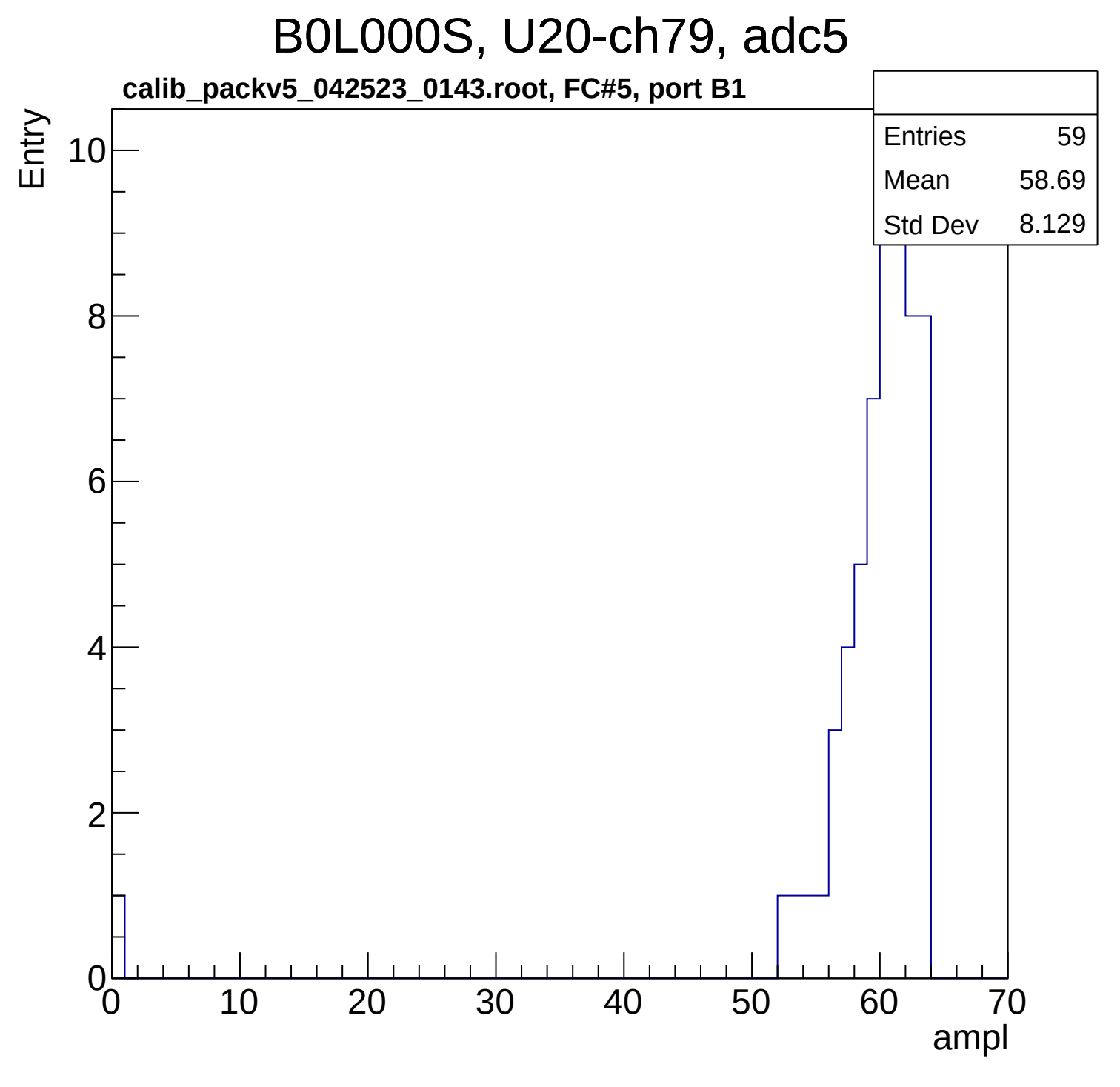
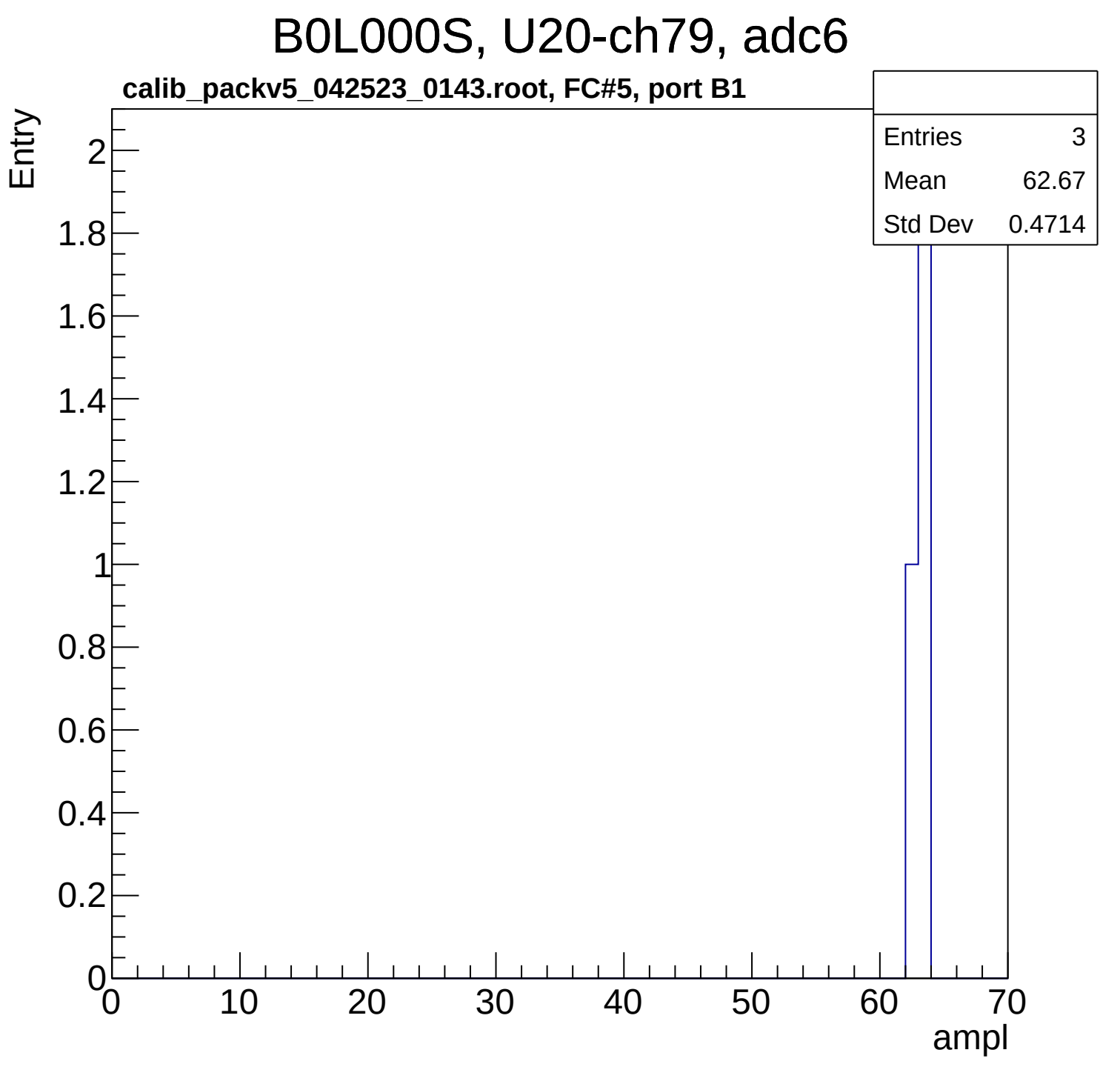
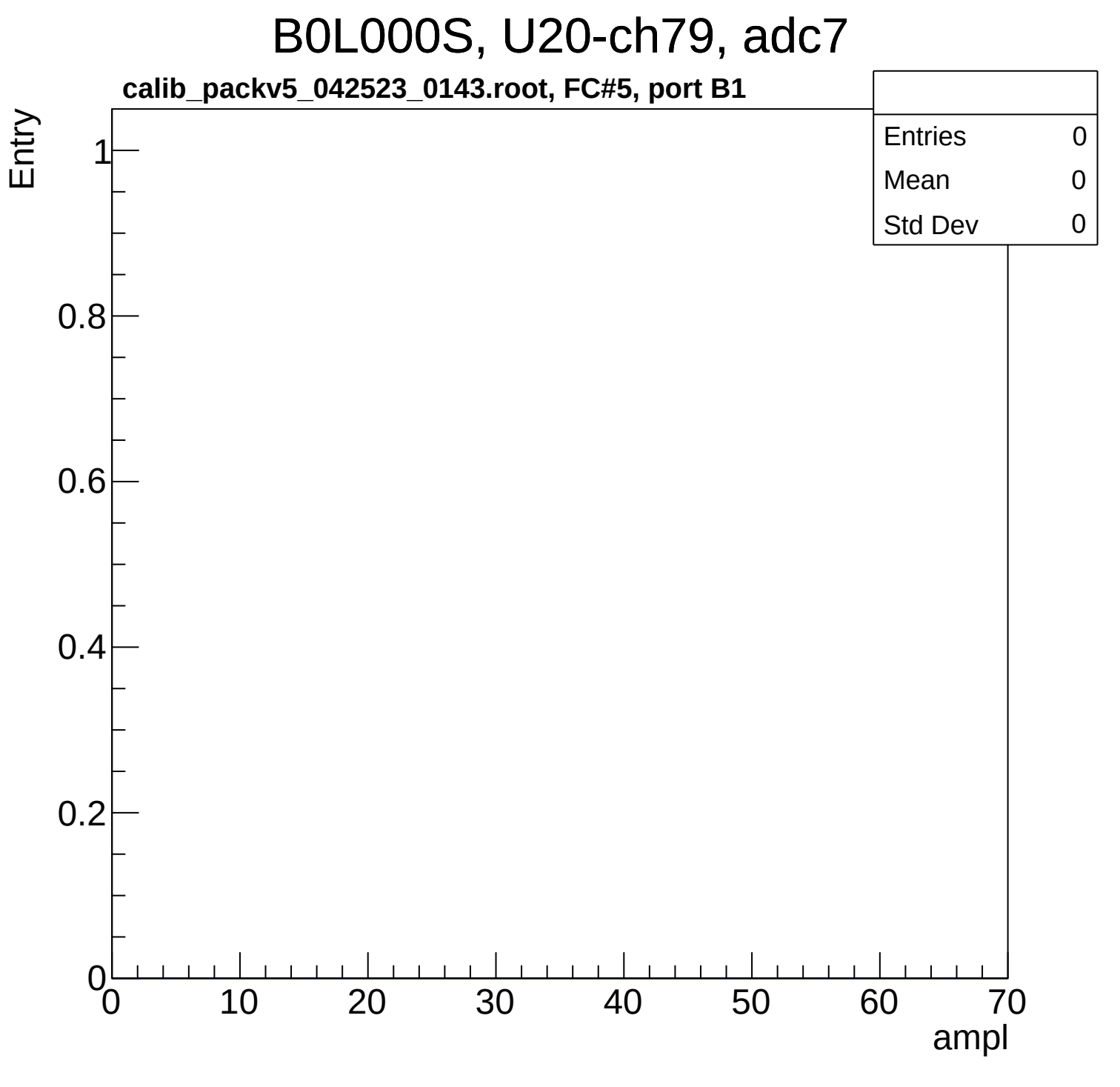

B0L000S, U20-ch79, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 55.07
Std Dev 2.981
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch79, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 58.69
Std Dev 8.129
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch79, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 62.67
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch79, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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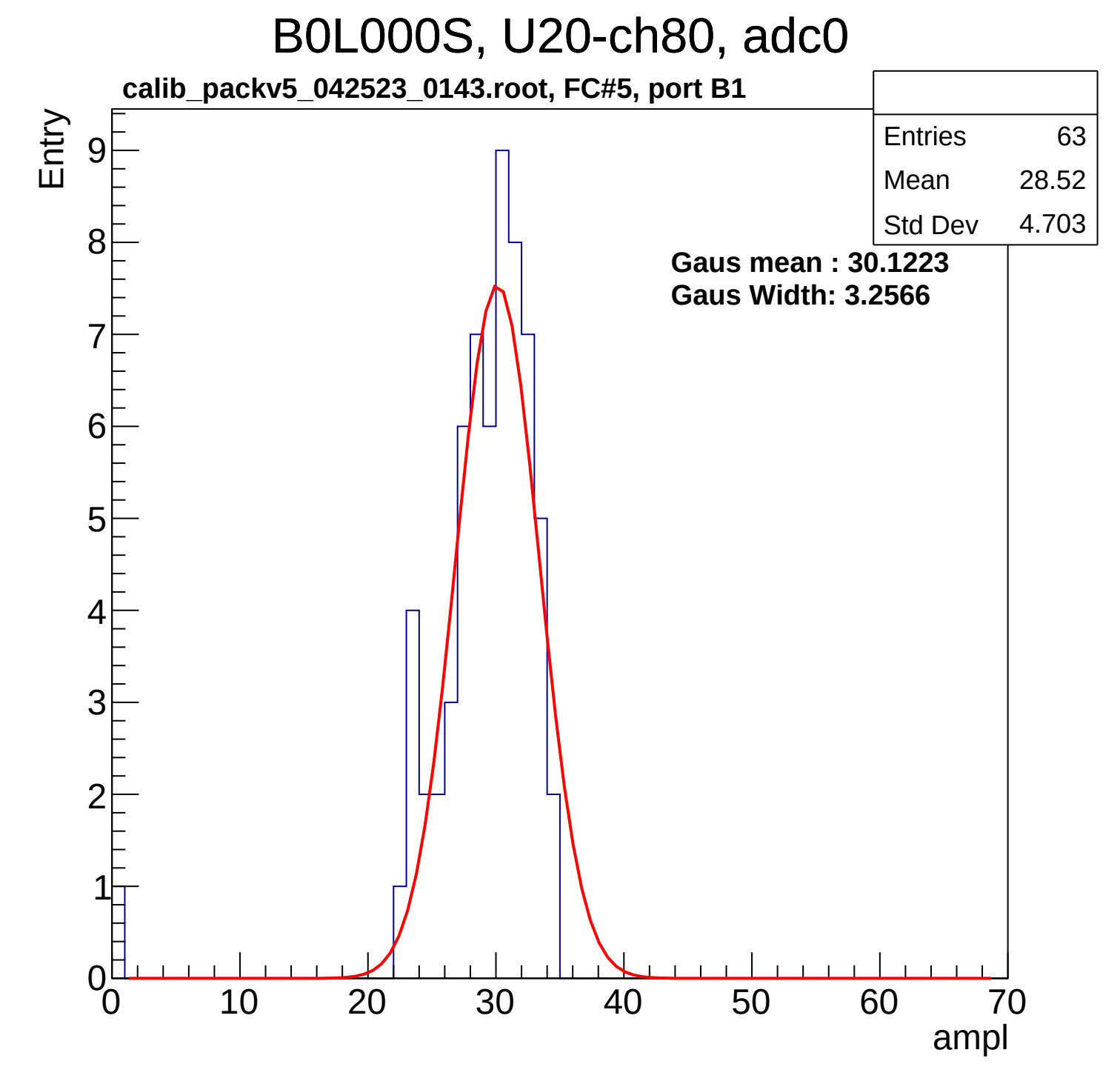
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch80, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 28.52
Std Dev 4.703
Gaus mean : 30.1223
Gaus Width: 3.2566
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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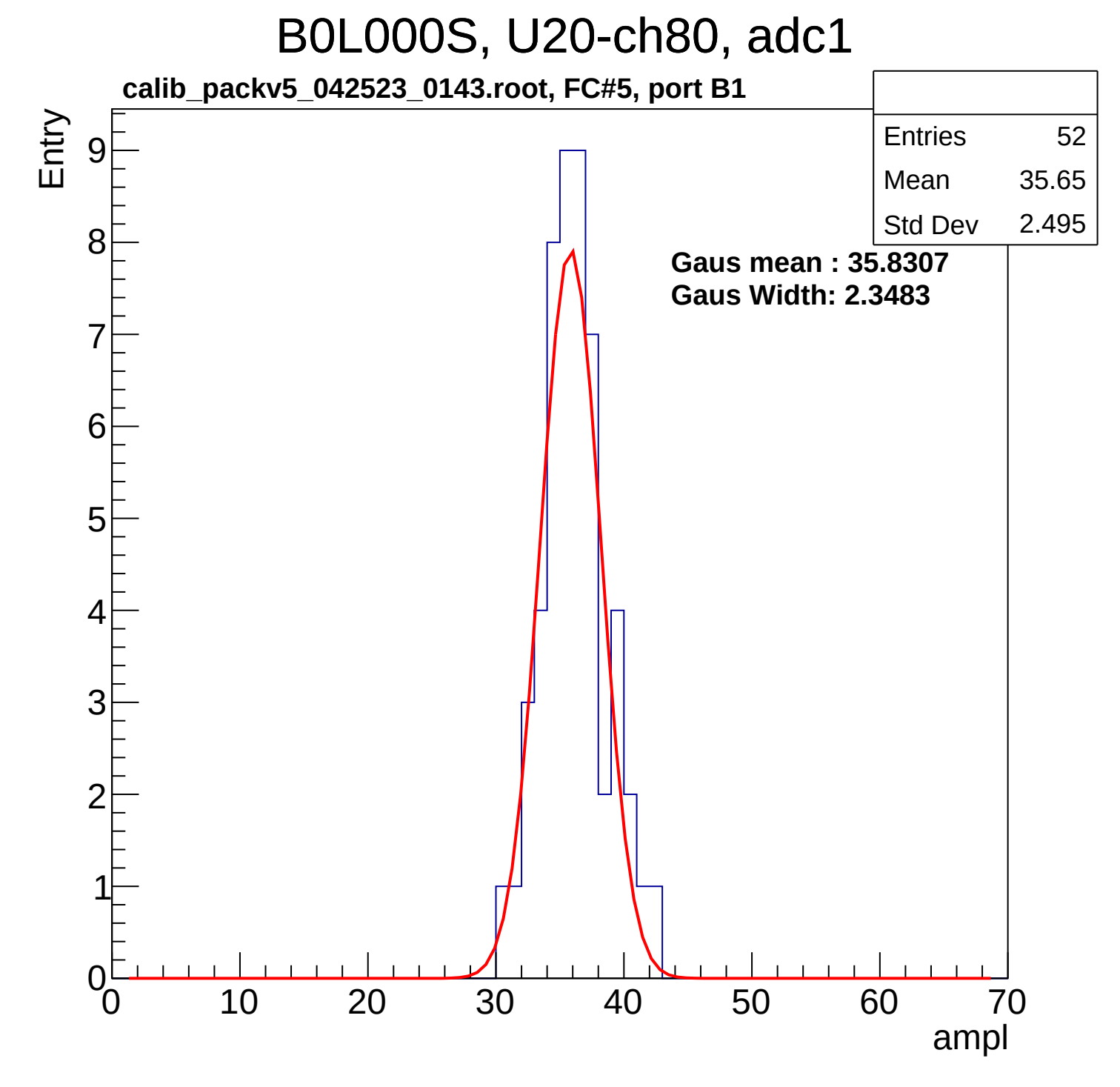
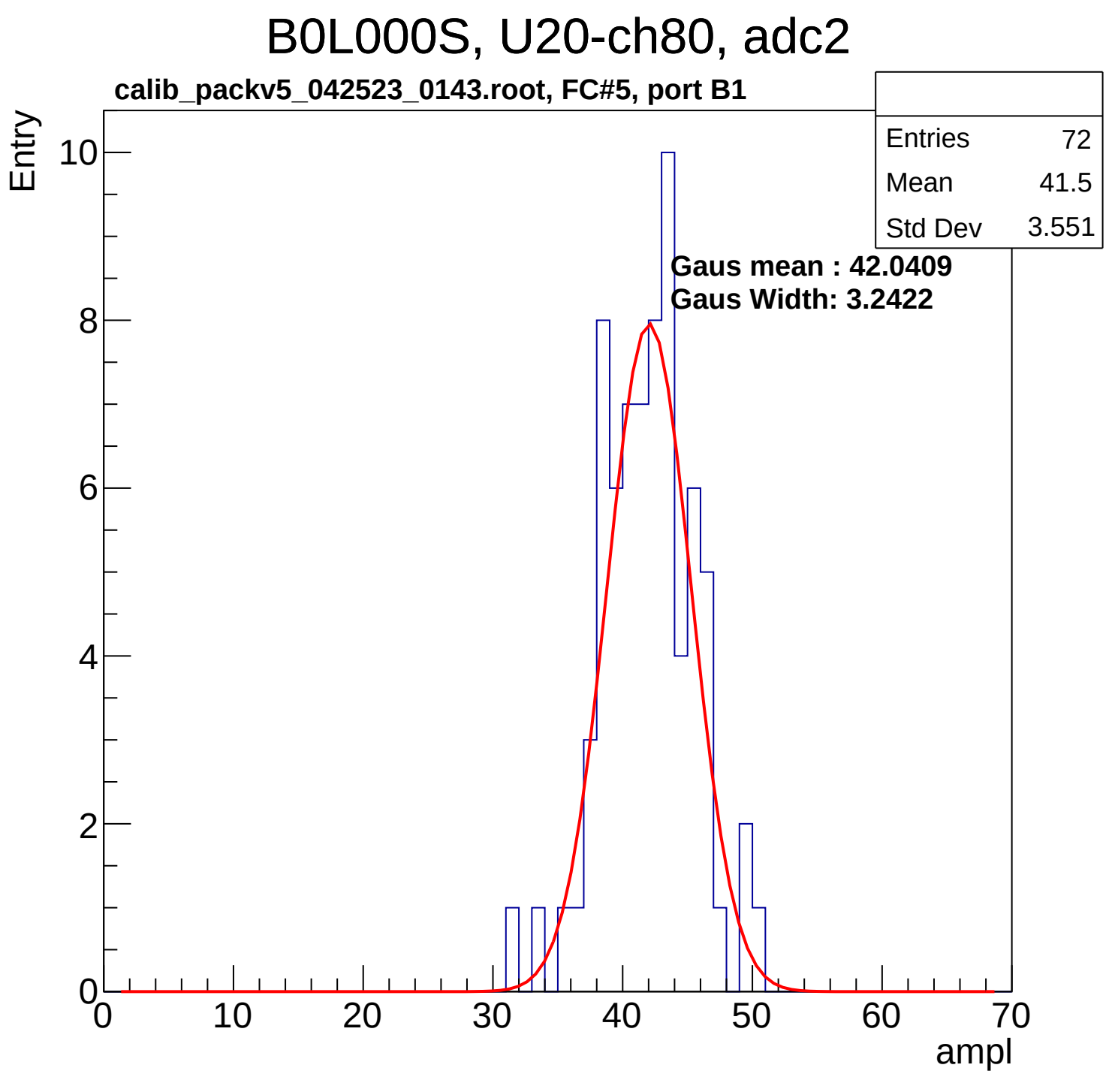

B0L000S, U20-ch80, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 35.65
Std Dev 2.495
Gaus mean : 35.8307
Gaus Width: 2.3483
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch80, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 41.5
Std Dev 3.551
Gaus mean : 42.0409
Gaus Width: 3.2422
Entry
ampl
0
2
4
6
8
10
0
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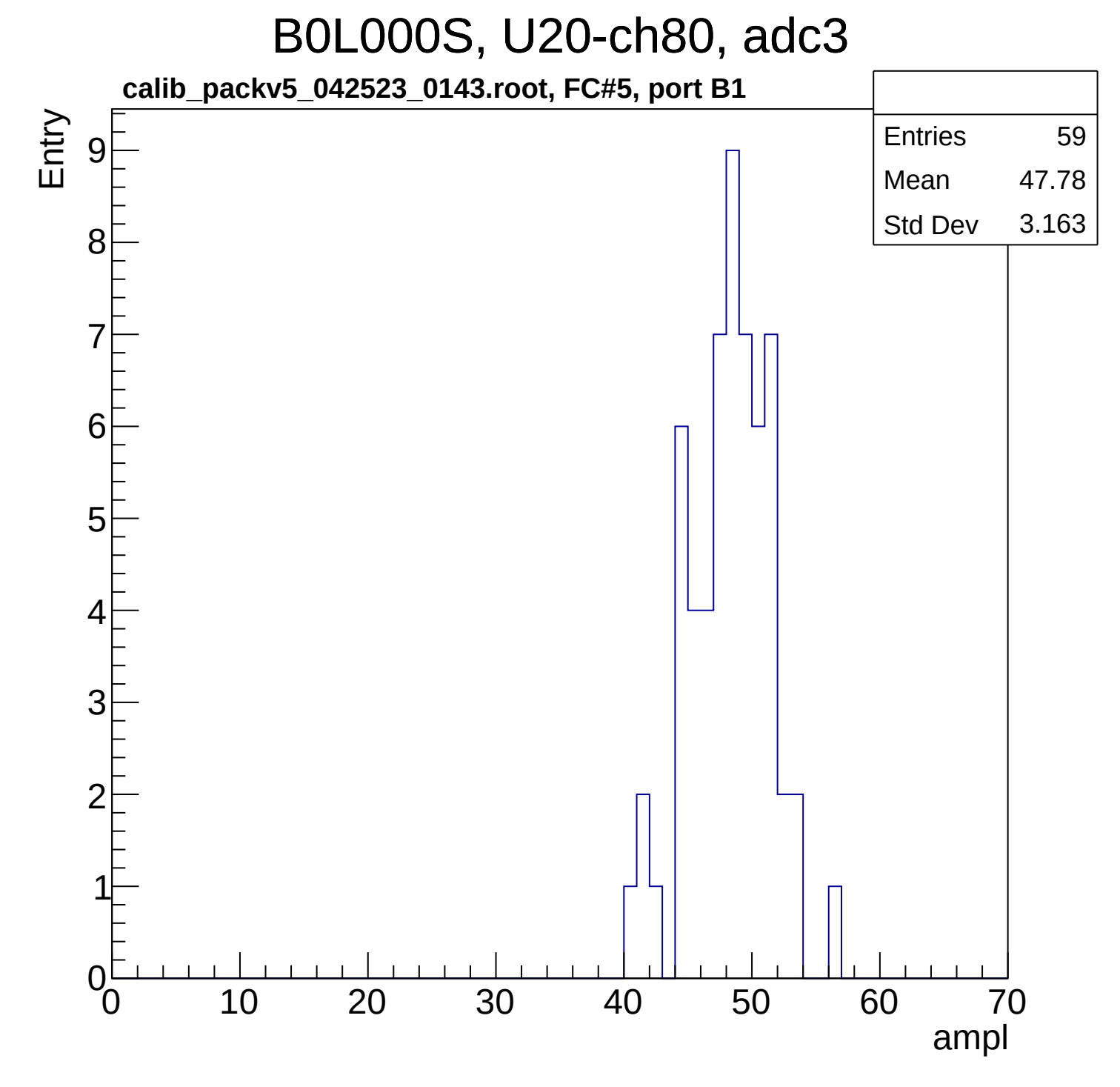
20
30
40
50
60
70


B0L000S, U20-ch80, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 47.78
Std Dev 3.163
Entry
ampl
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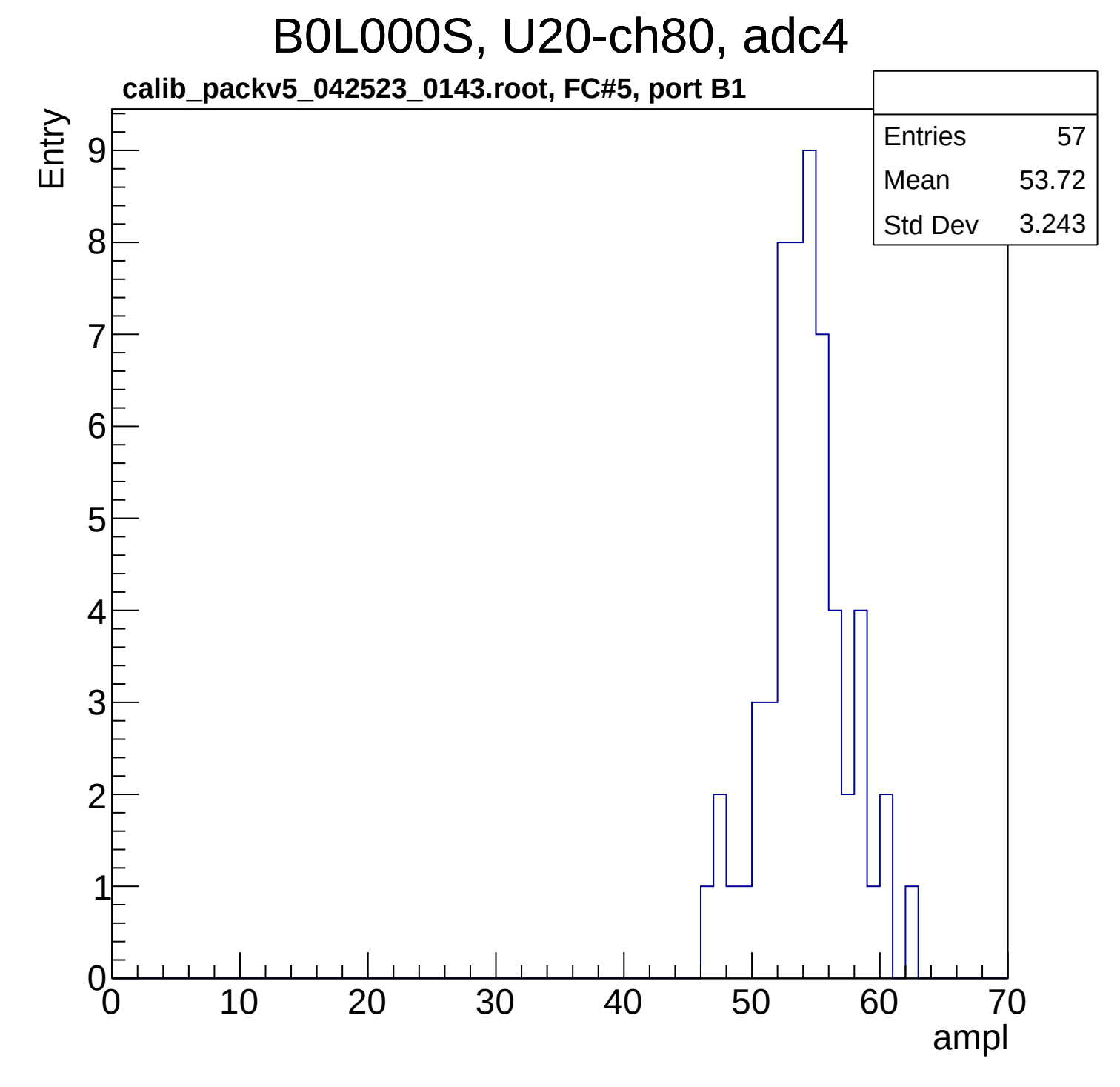
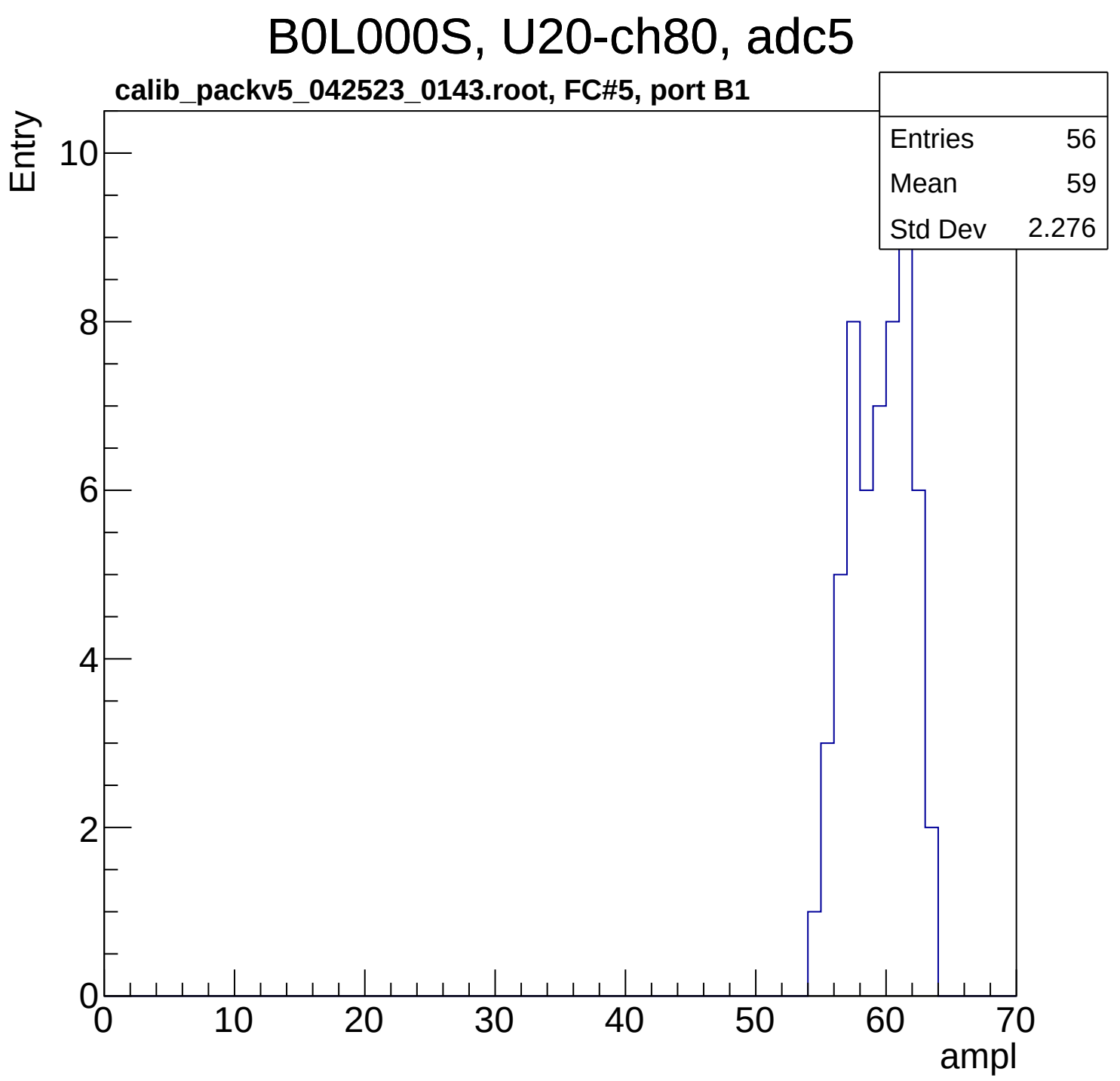
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch80, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 53.72
Std Dev 3.243
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch80, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 59
Std Dev 2.276
Entry
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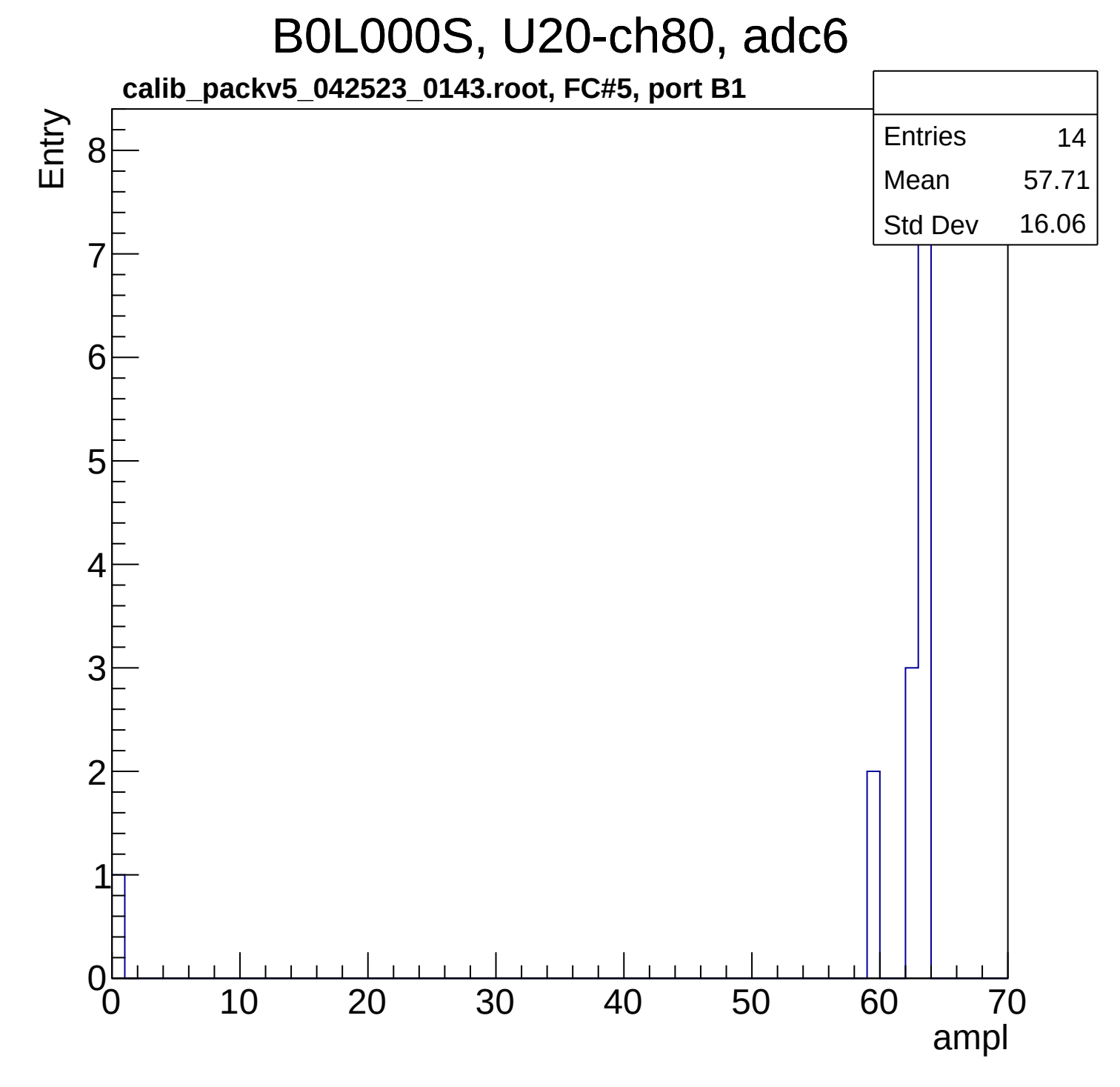
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch80, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 14
Mean 57.71
Std Dev 16.06
Entry
ampl
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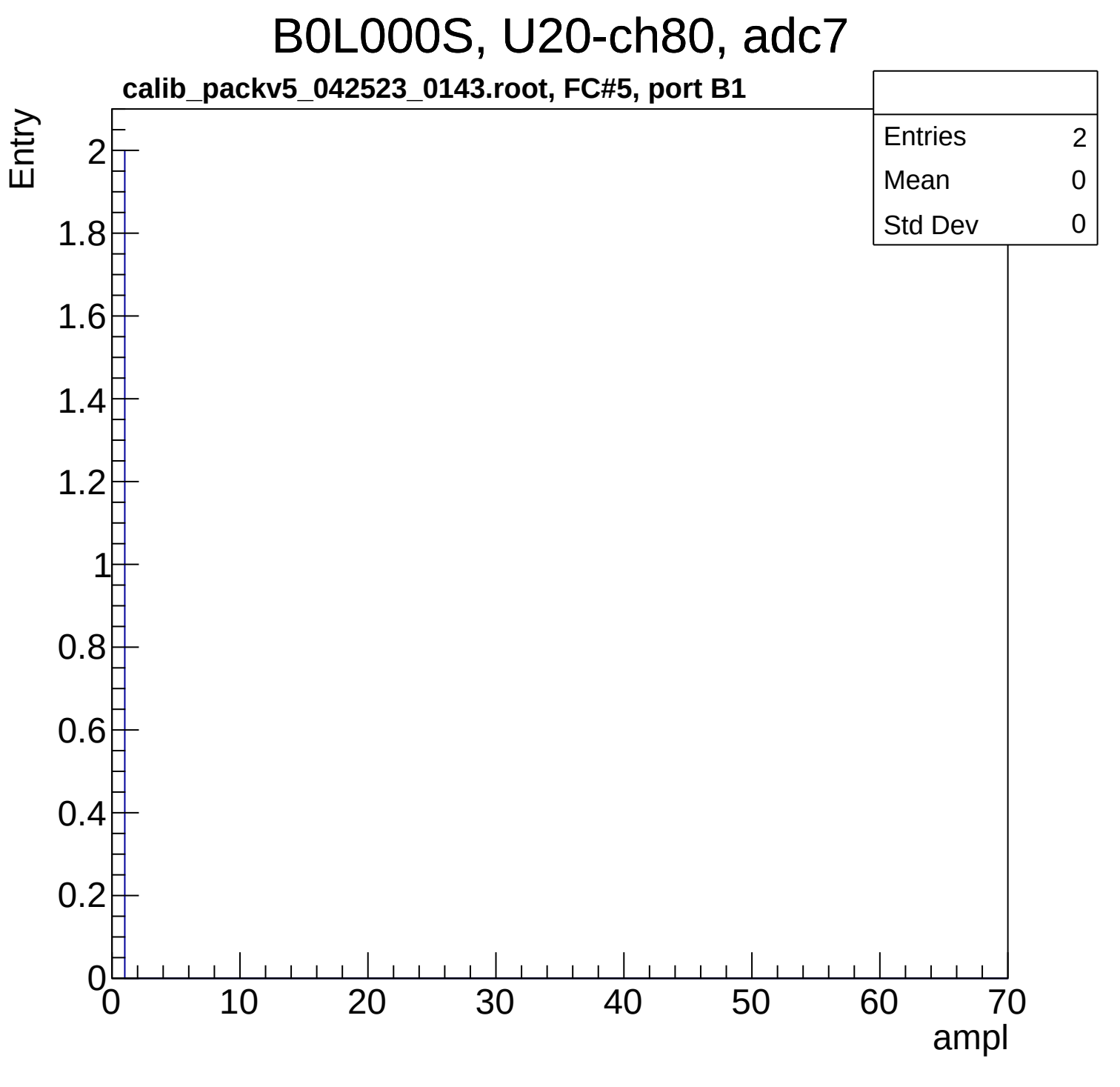
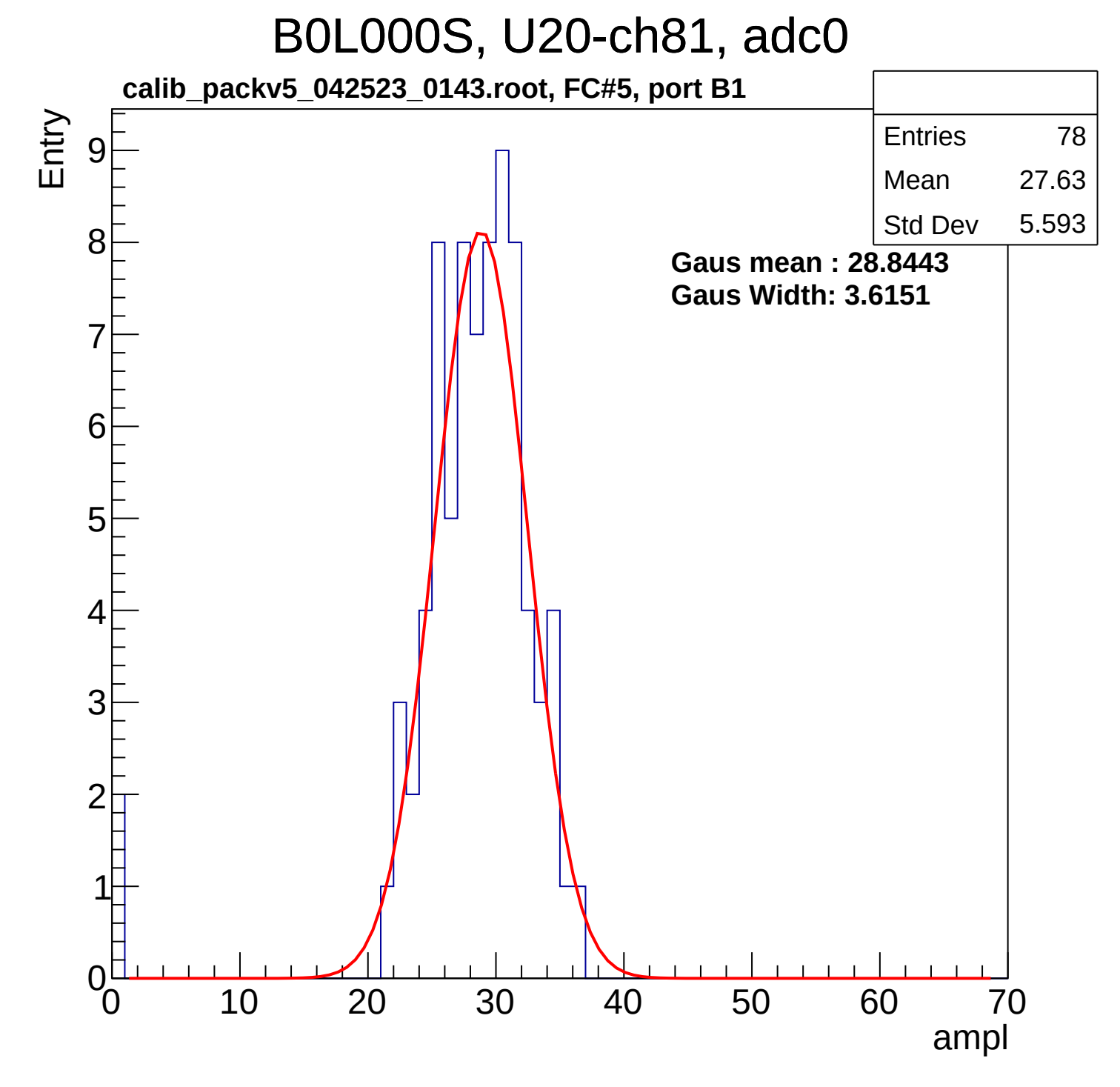
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch80, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch81, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 78
Mean 27.63
Std Dev 5.593
Gaus mean : 28.8443
Gaus Width: 3.6151
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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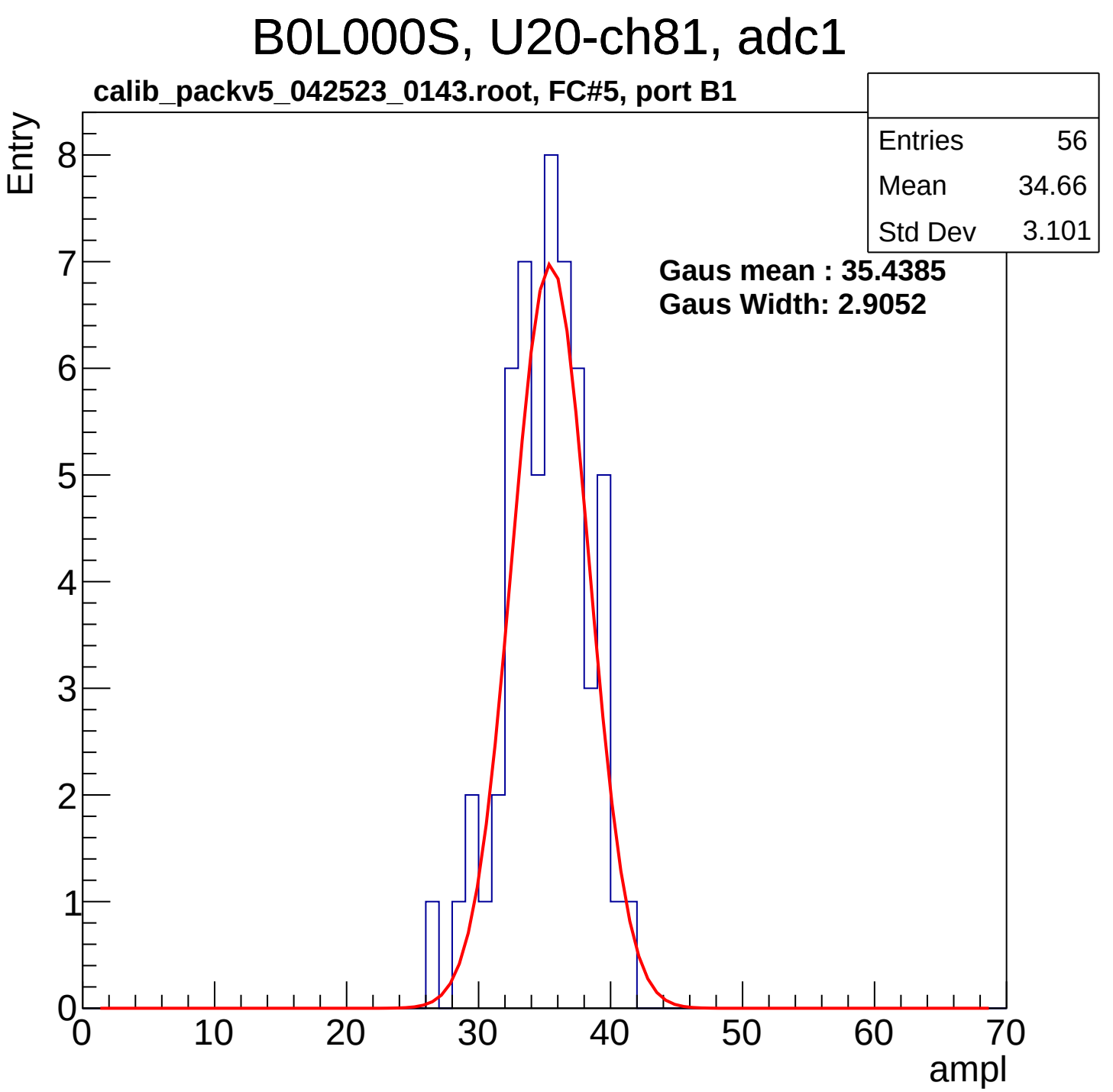
B0L000S, U20-ch81, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 34.66
Std Dev 3.101
Gaus mean : 35.4385
Gaus Width: 2.9052
Entry
ampl
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1
2
3
4
5
6
7
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0
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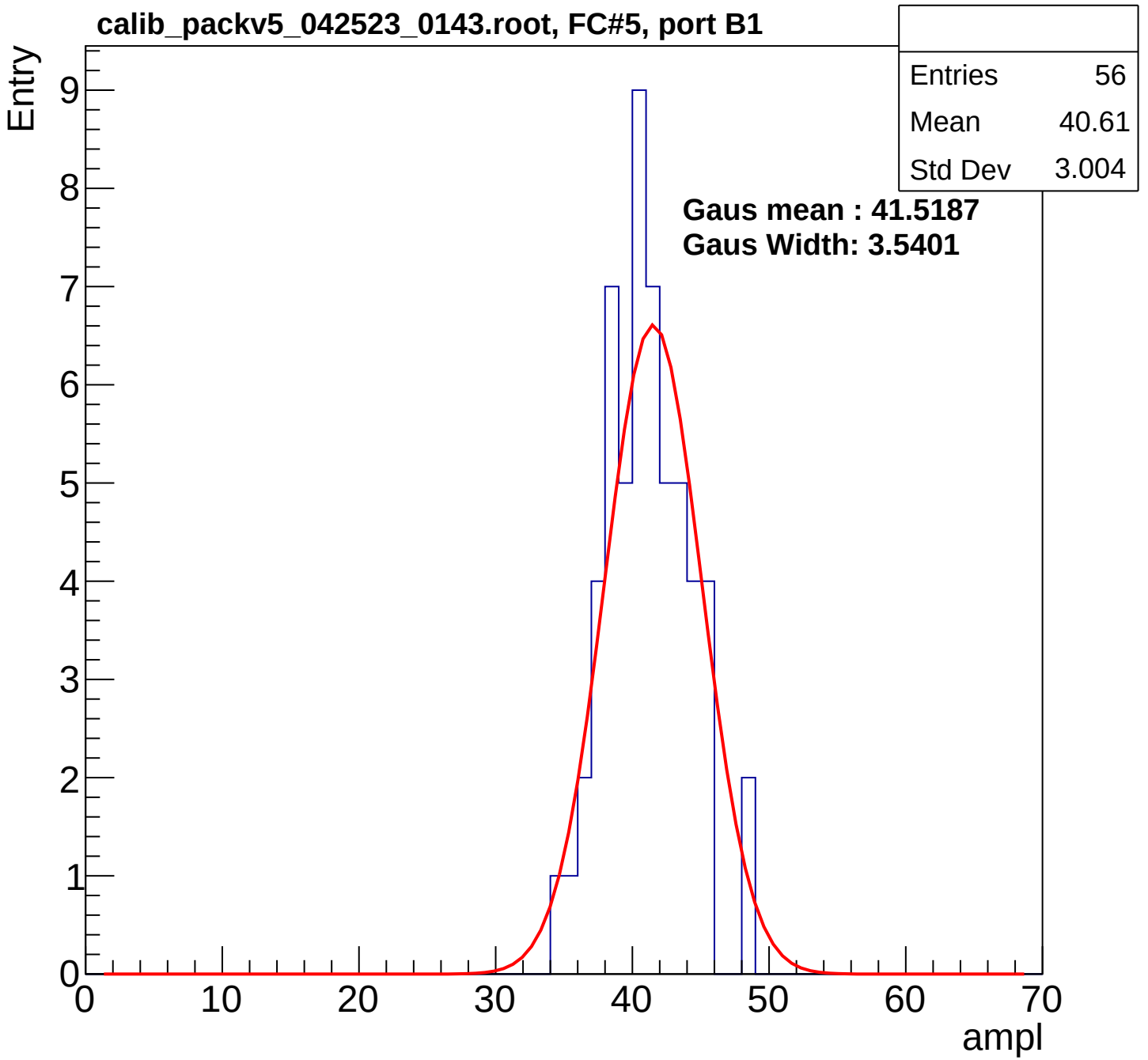
B0L000S, U20-ch81, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 40.61
Std Dev 3.004
Gaus mean : 41.5187
Gaus Width: 3.5401
Entry
ampl
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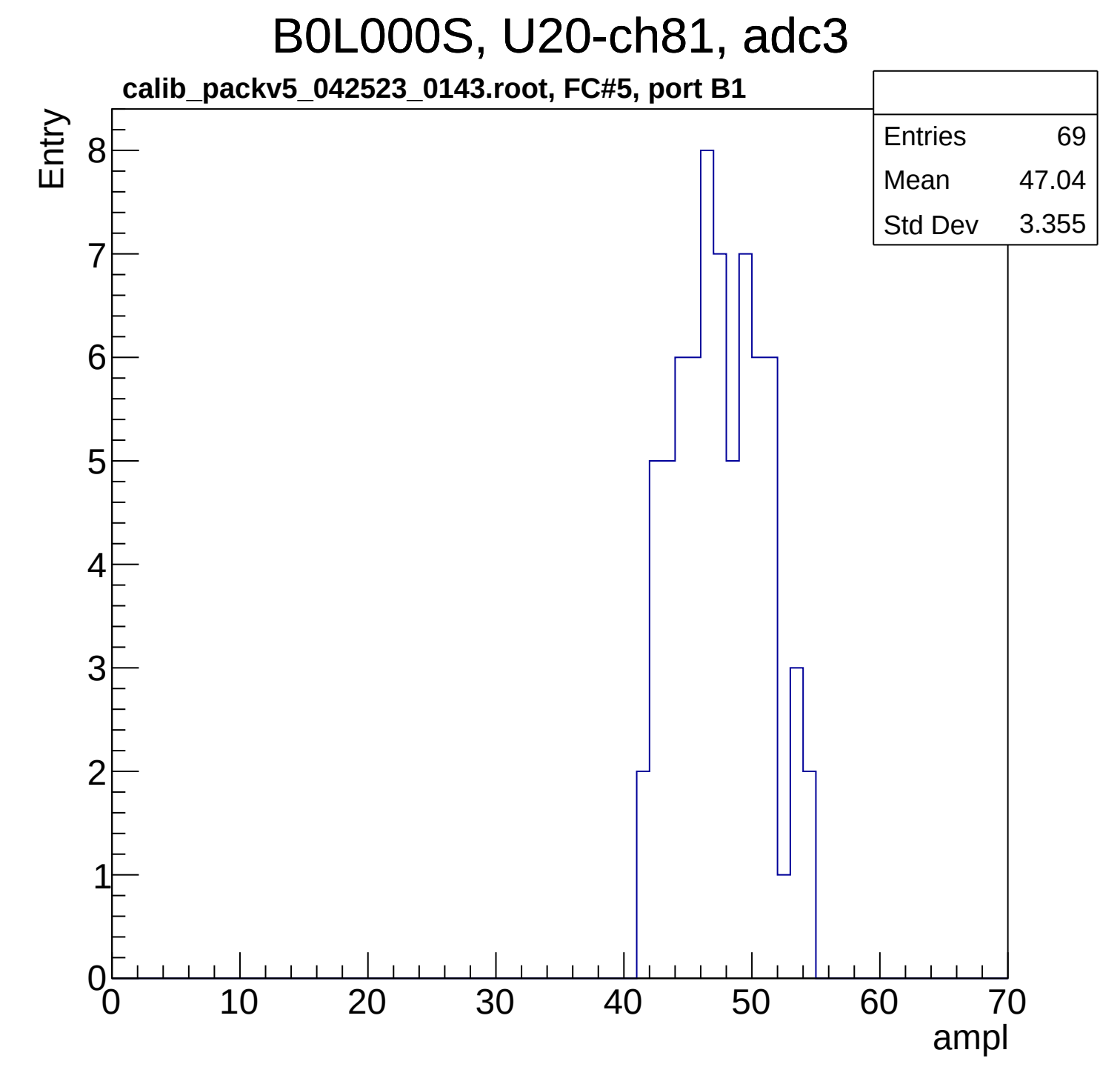
B0L000S, U20-ch81, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 47.04
Std Dev 3.355
Entry
ampl
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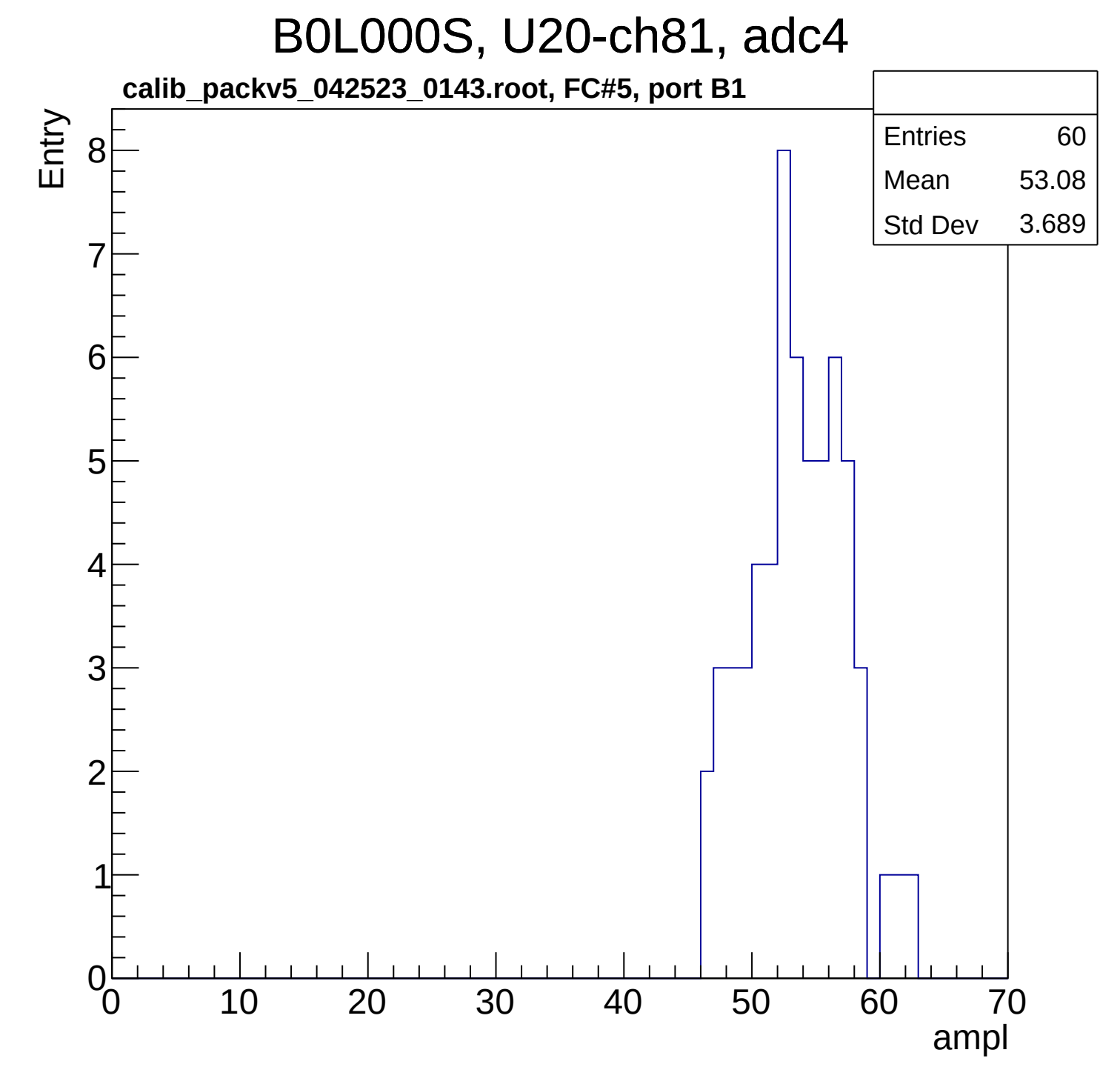
B0L000S, U20-ch81, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 53.08
Std Dev 3.689
Entry
ampl
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1
2
3
4
5
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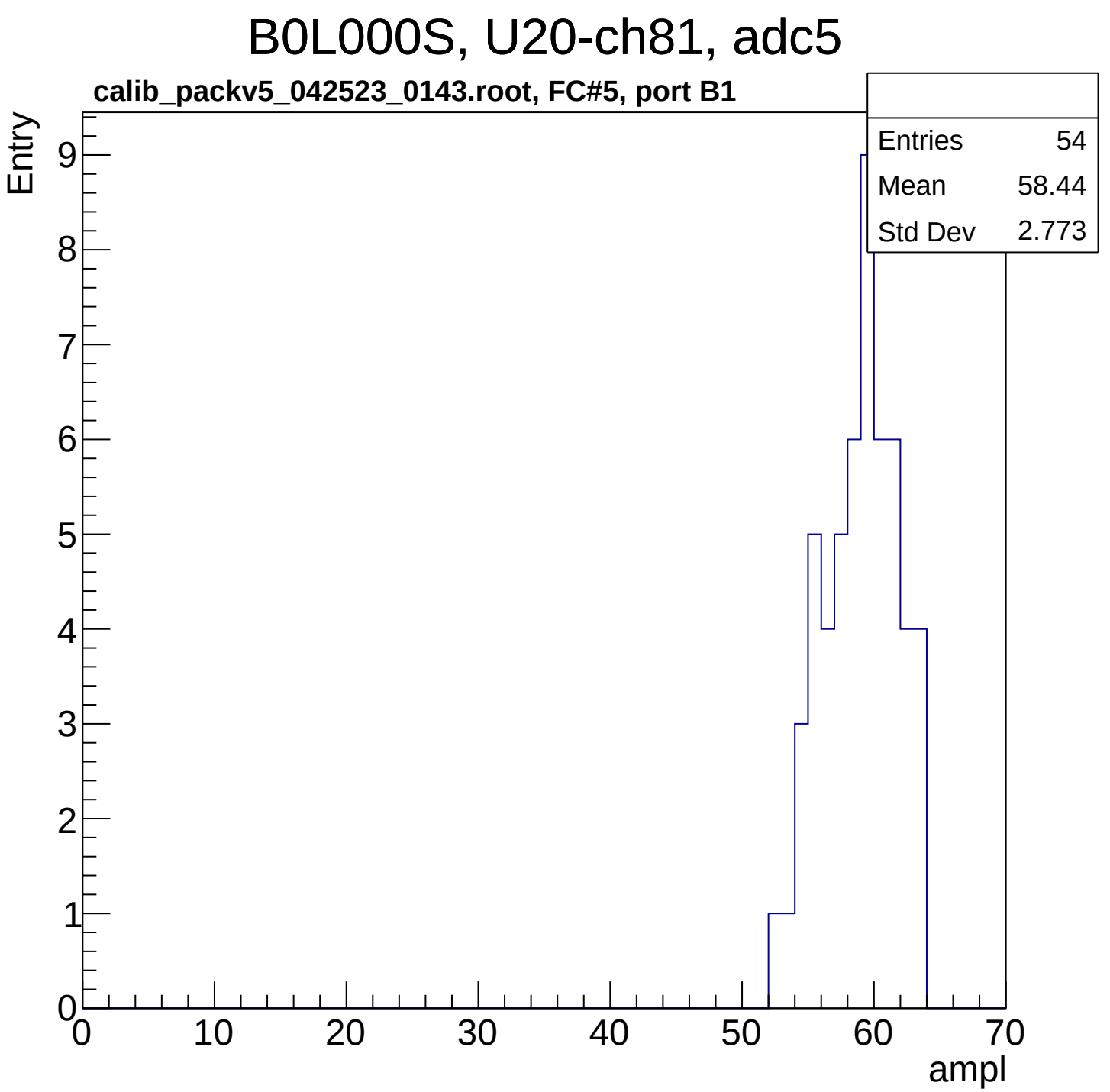
B0L000S, U20-ch81, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 58.44
Std Dev 2.773
Entry
ampl
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6
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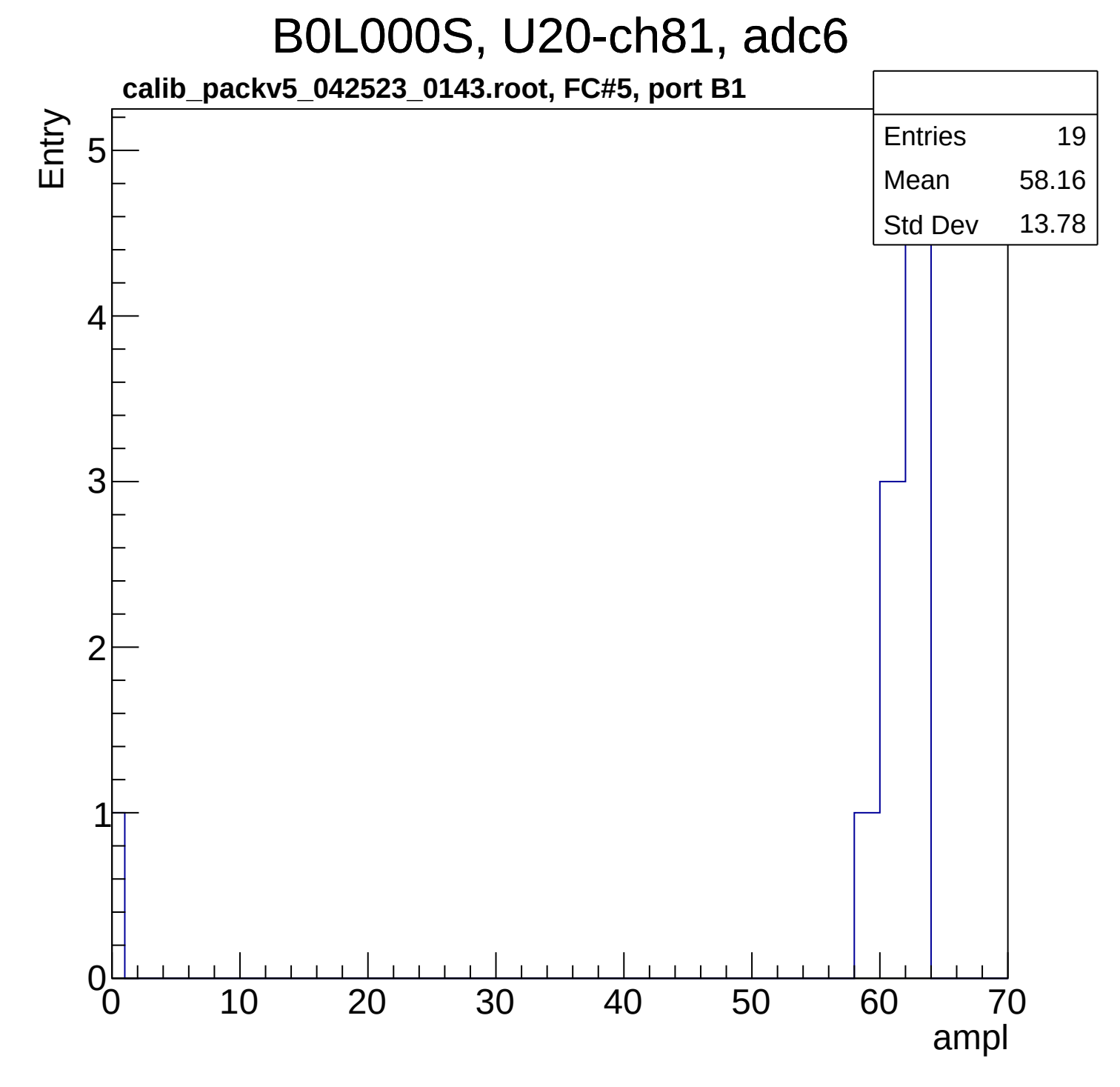
B0L000S, U20-ch81, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 19
Mean 58.16
Std Dev 13.78
Entry
ampl
0
1
2
3
4
5
0
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20
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40
50
60
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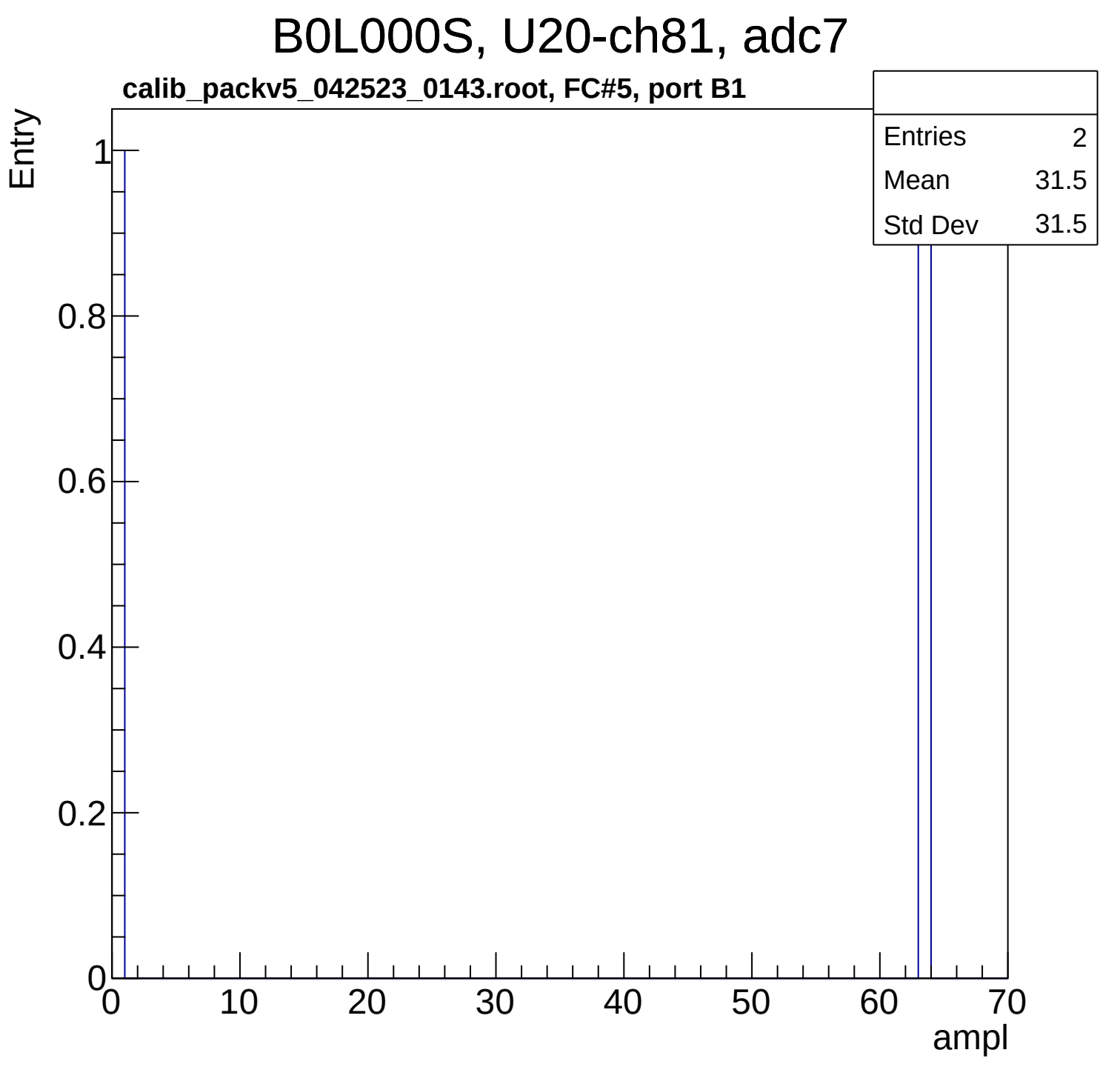
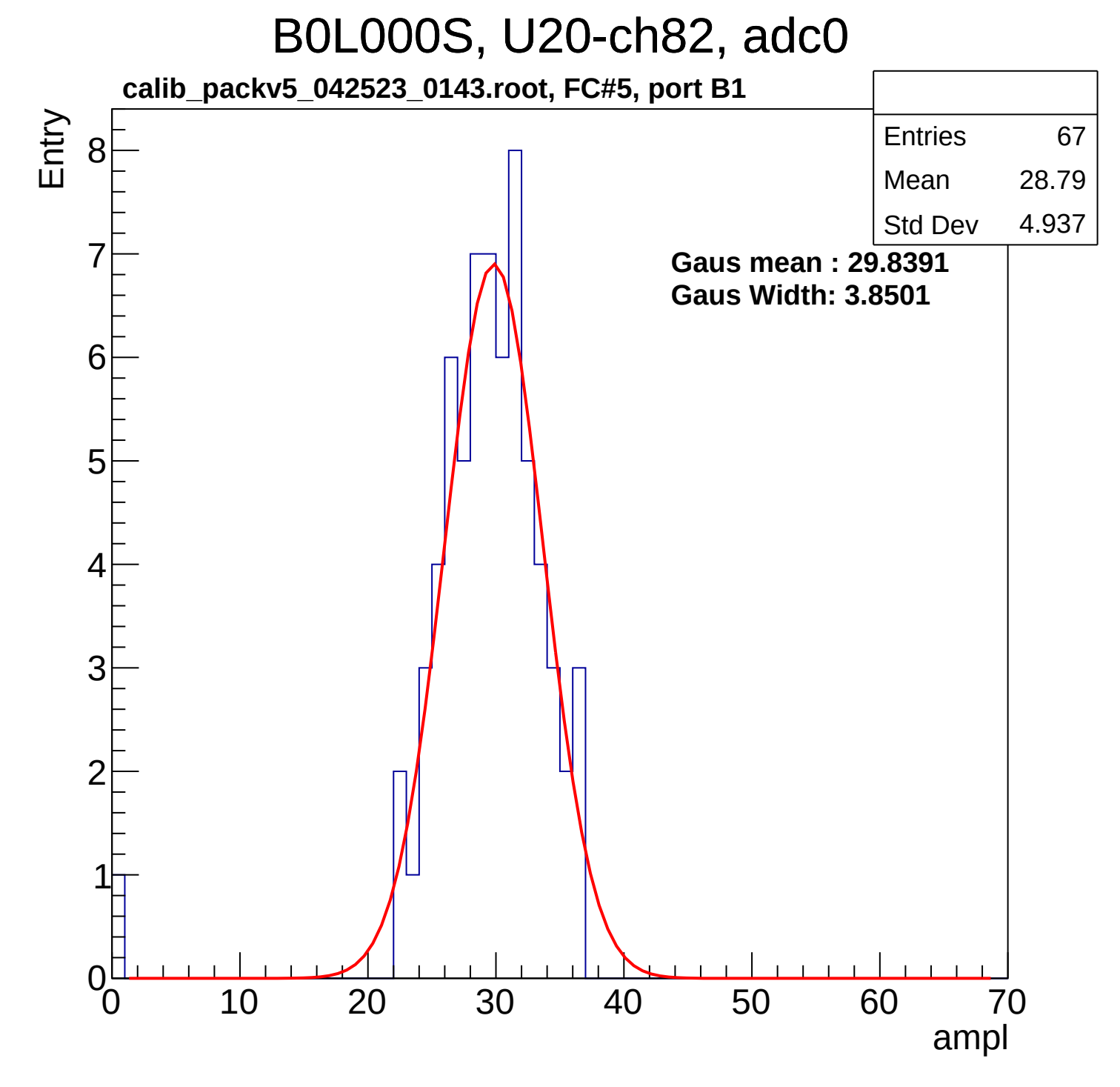
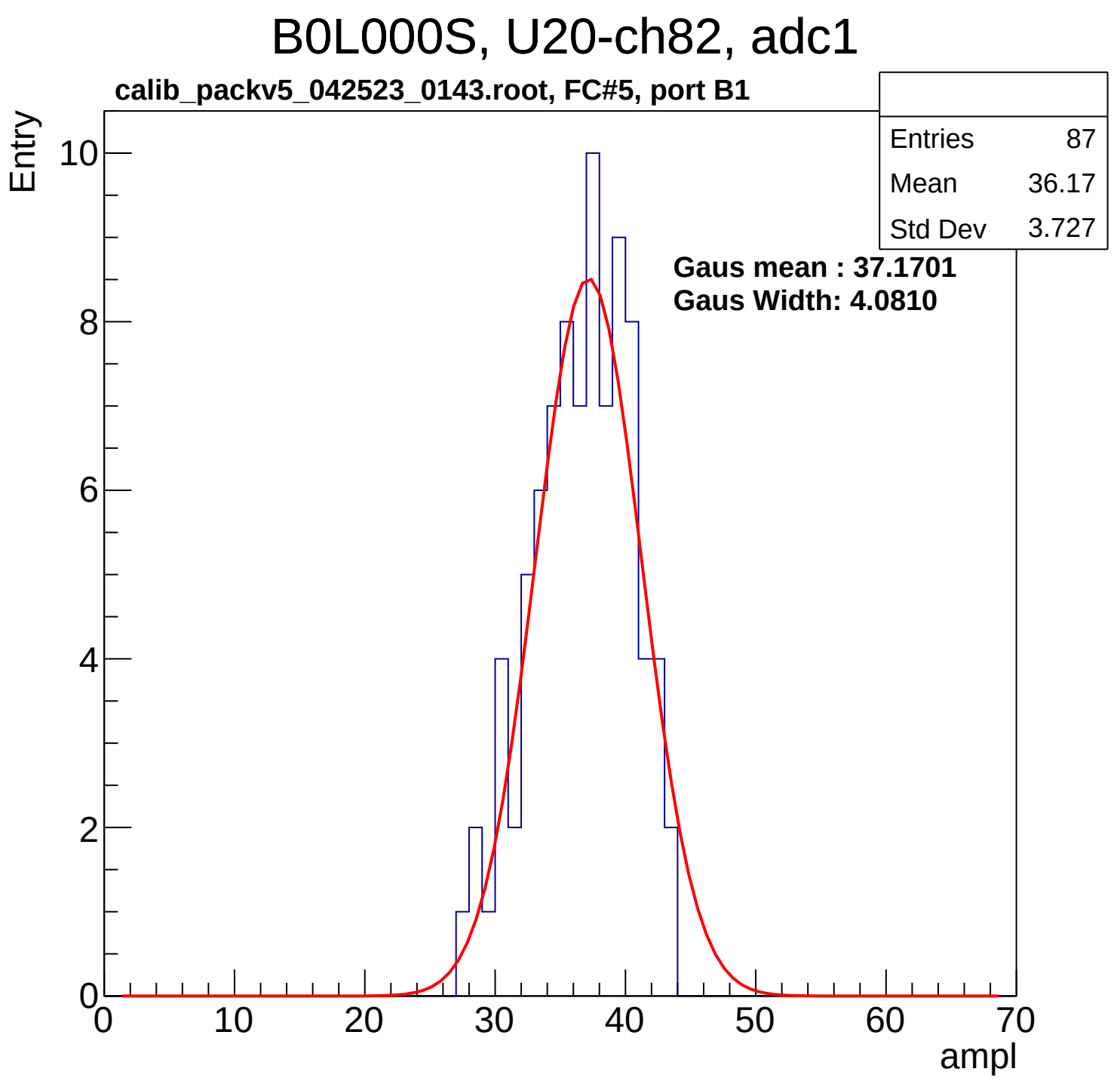

B0L000S, U20-ch81, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch82, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 28.79
Std Dev 4.937
Gaus mean : 29.8391
Gaus Width: 3.8501
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch82, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 87
Mean 36.17
Std Dev 3.727
Gaus mean : 37.1701
Gaus Width: 4.0810
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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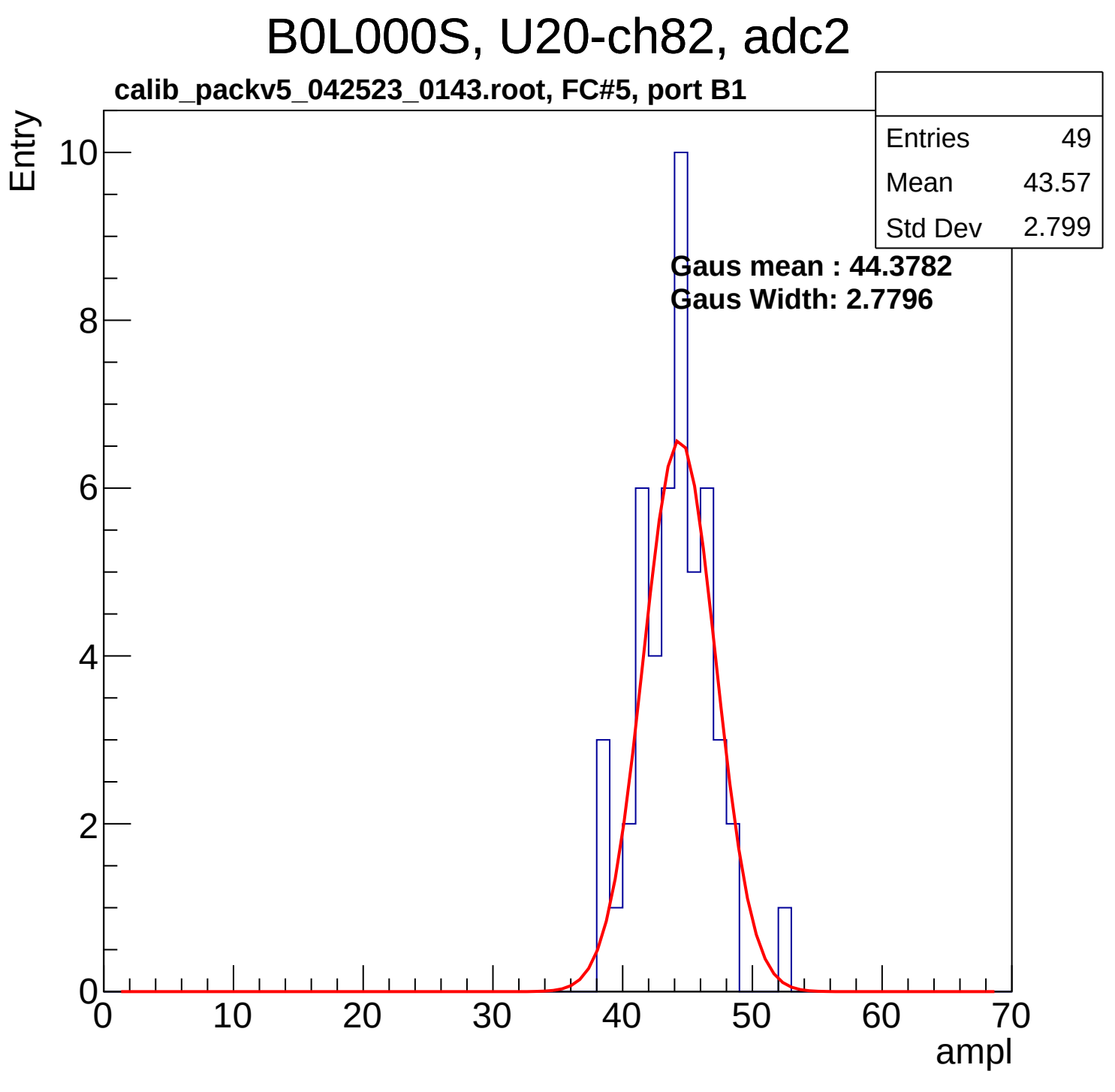
B0L000S, U20-ch82, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 43.57
Std Dev 2.799
Gaus mean : 44.3782
Gaus Width: 2.7796
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
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60
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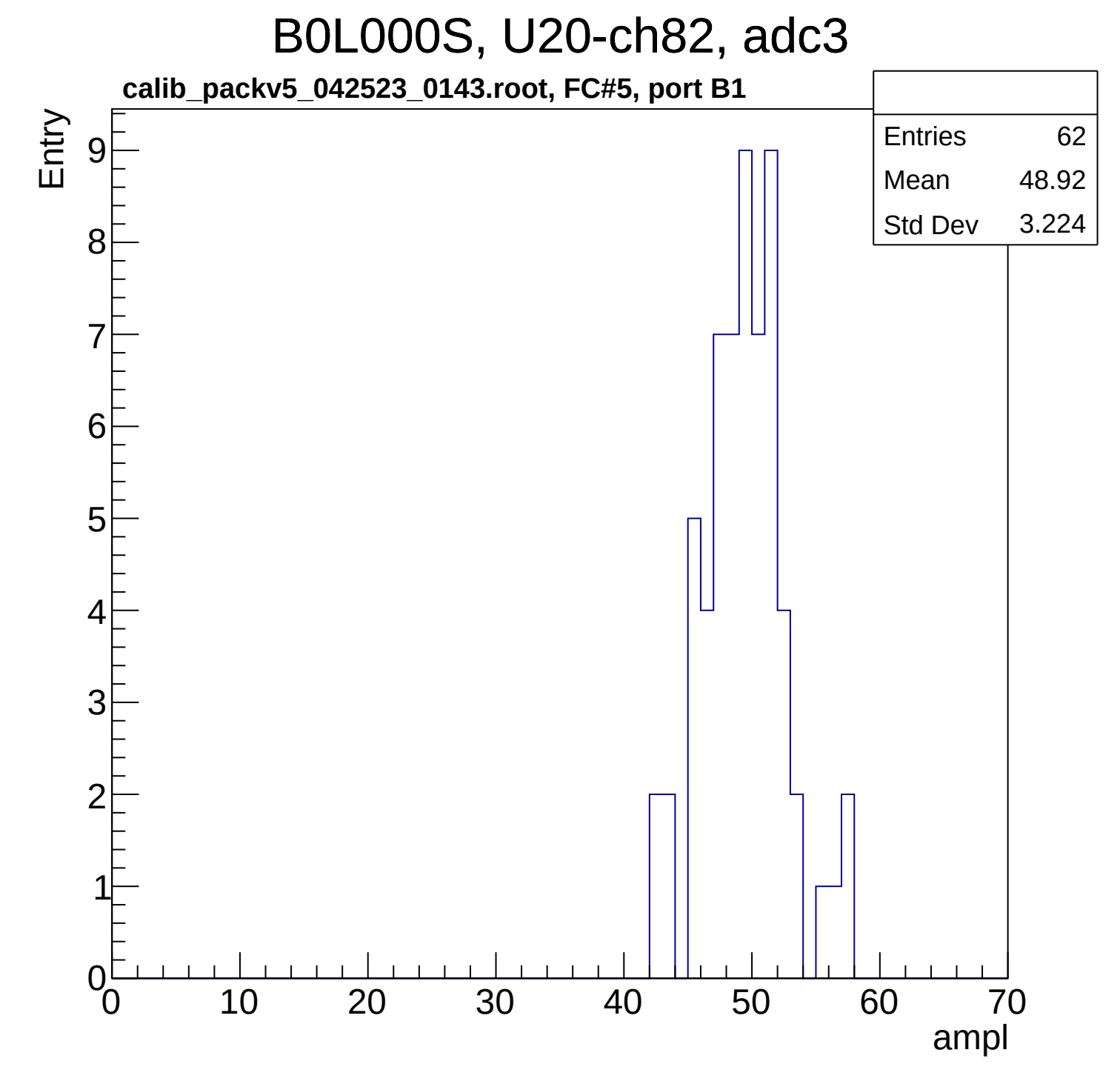
B0L000S, U20-ch82, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 48.92
Std Dev 3.224
Entry
ampl
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2
3
4
5
6
7
8
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0
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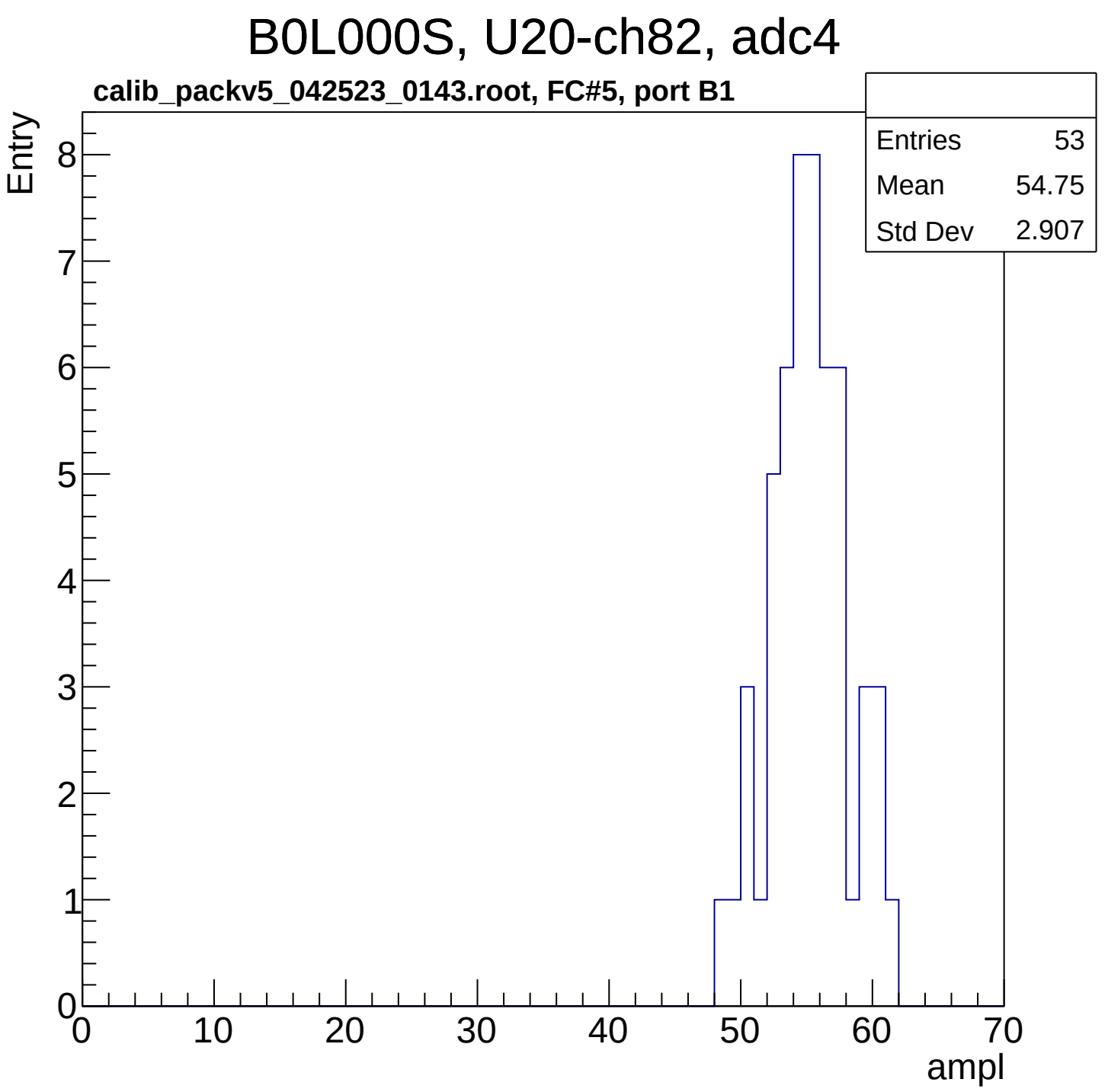
B0L000S, U20-ch82, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 54.75
Std Dev 2.907
Entry
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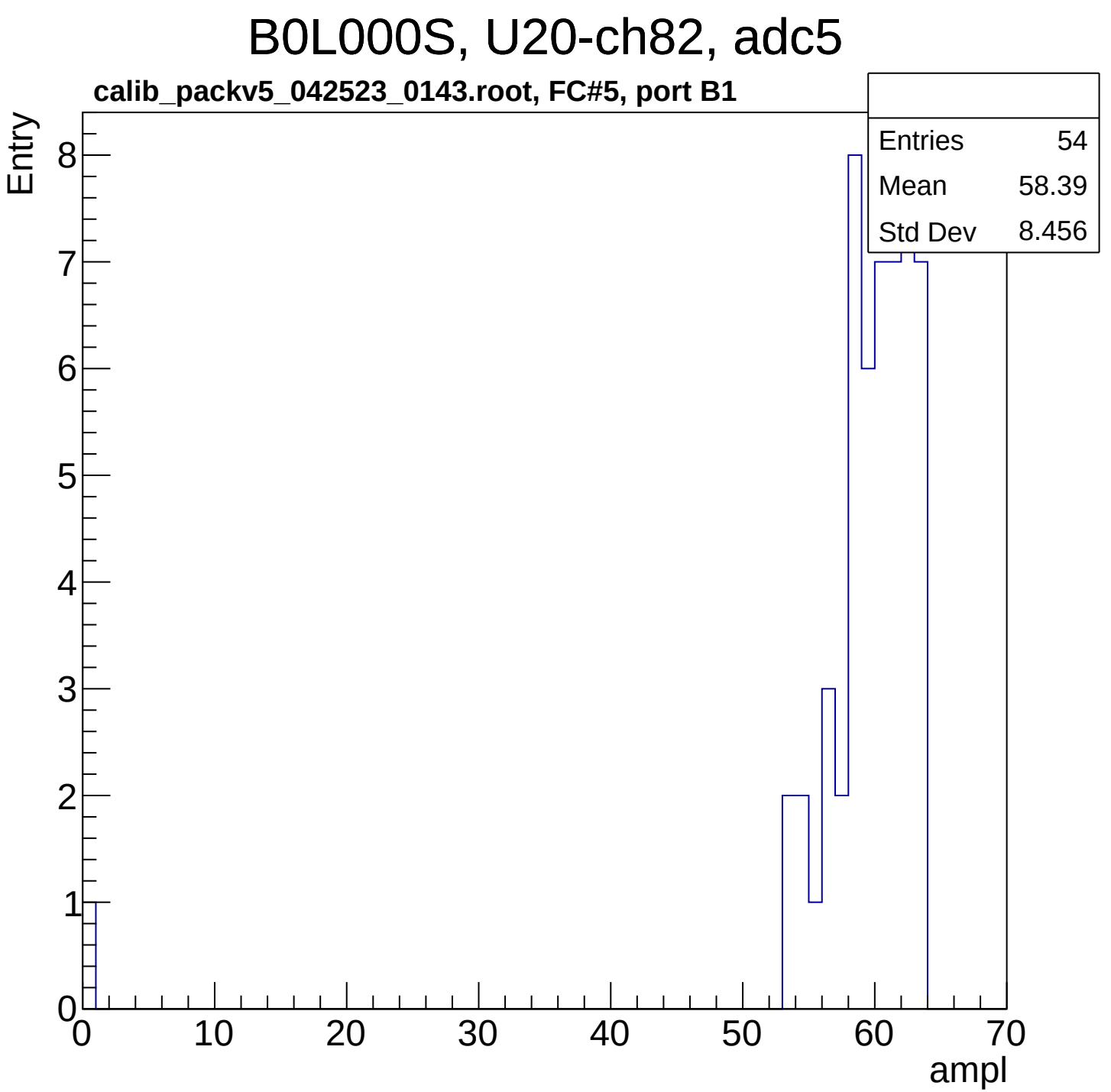
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch82, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 58.39
Std Dev 8.456
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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40
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60
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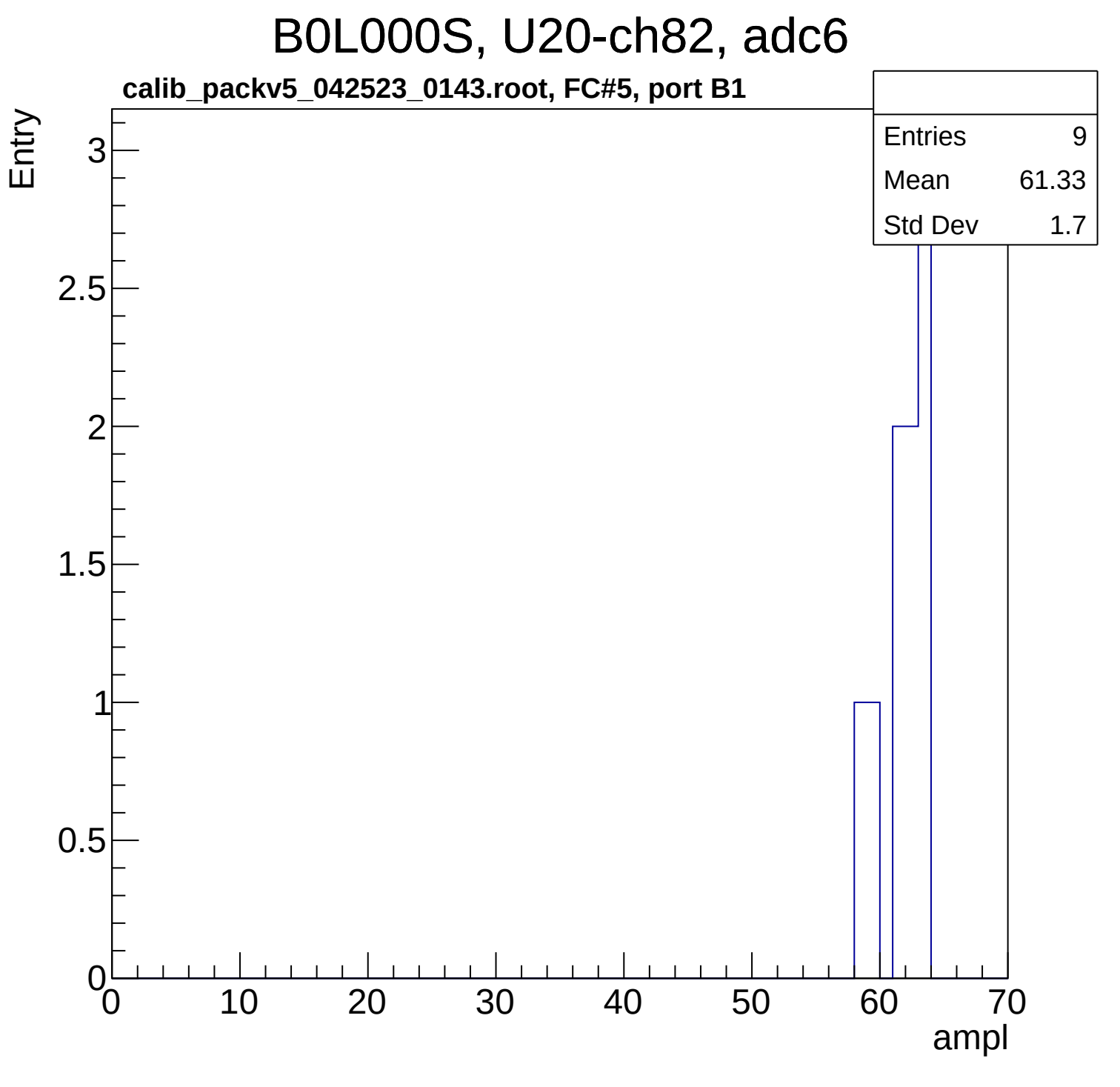
B0L000S, U20-ch82, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 9
Mean 61.33
Std Dev 1.7
Entry
ampl
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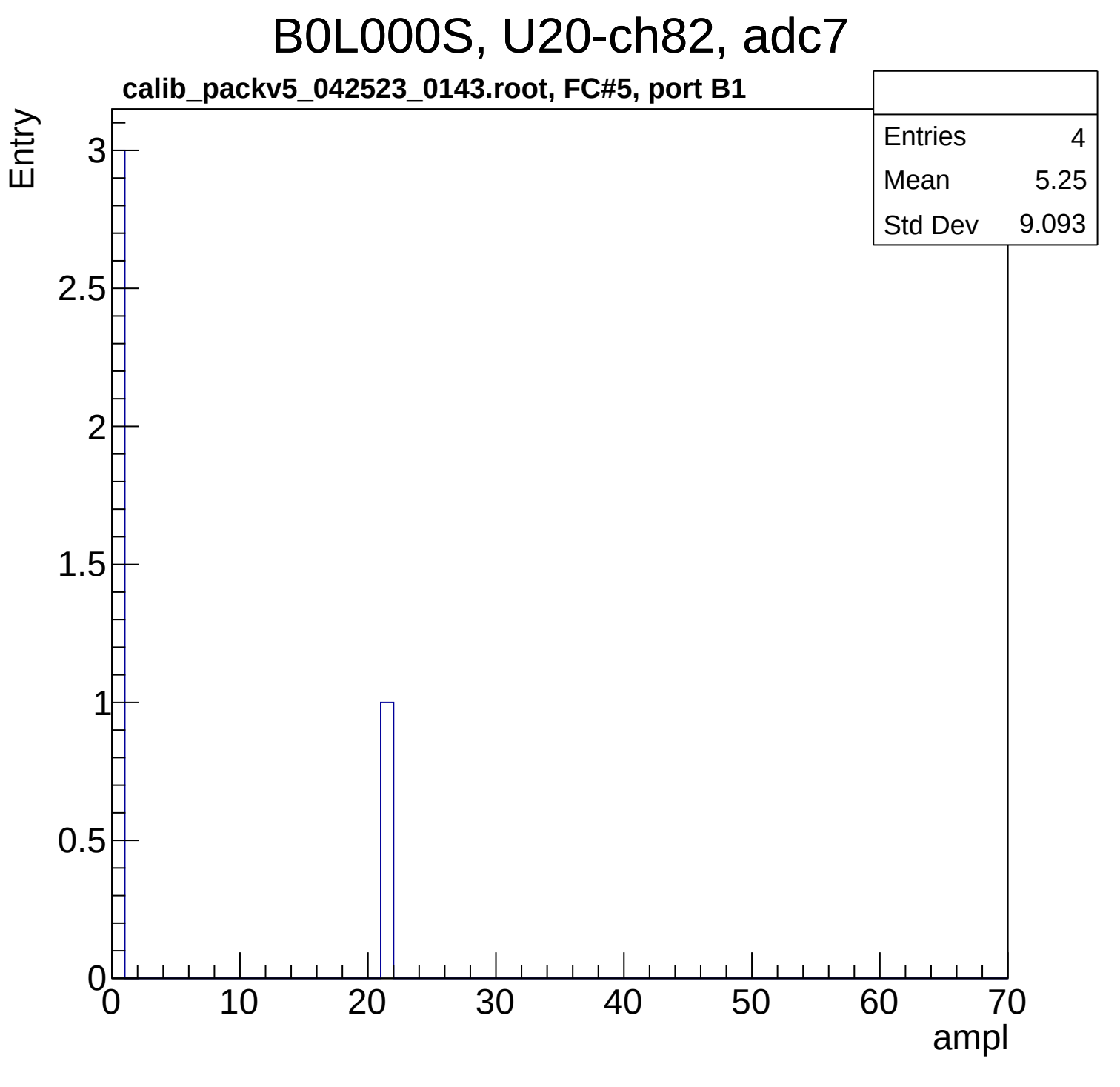
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch82, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 5.25
Std Dev 9.093
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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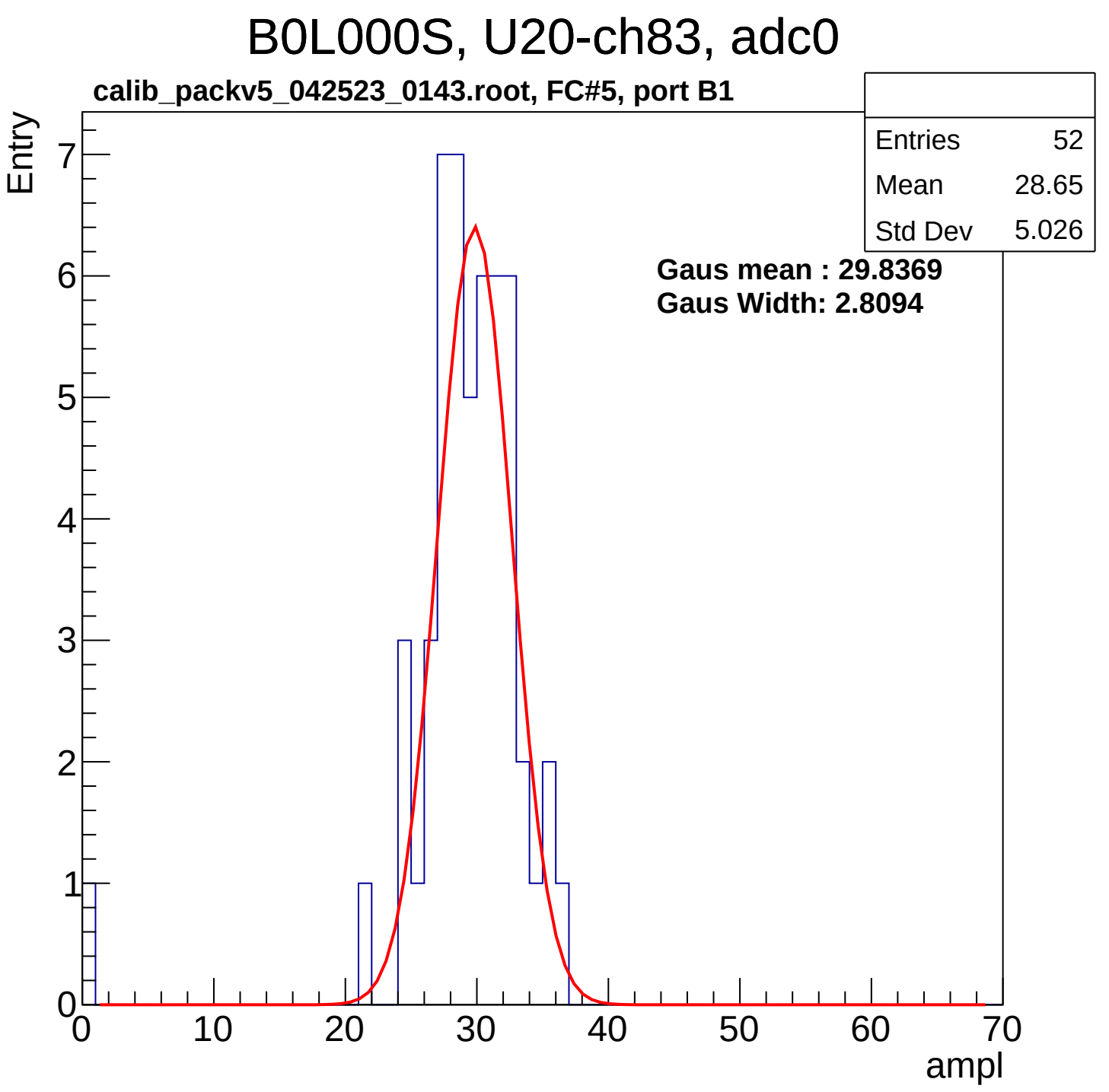
B0L000S, U20-ch83, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 28.65
Std Dev 5.026
Gaus mean : 29.8369
Gaus Width: 2.8094
Entry
ampl
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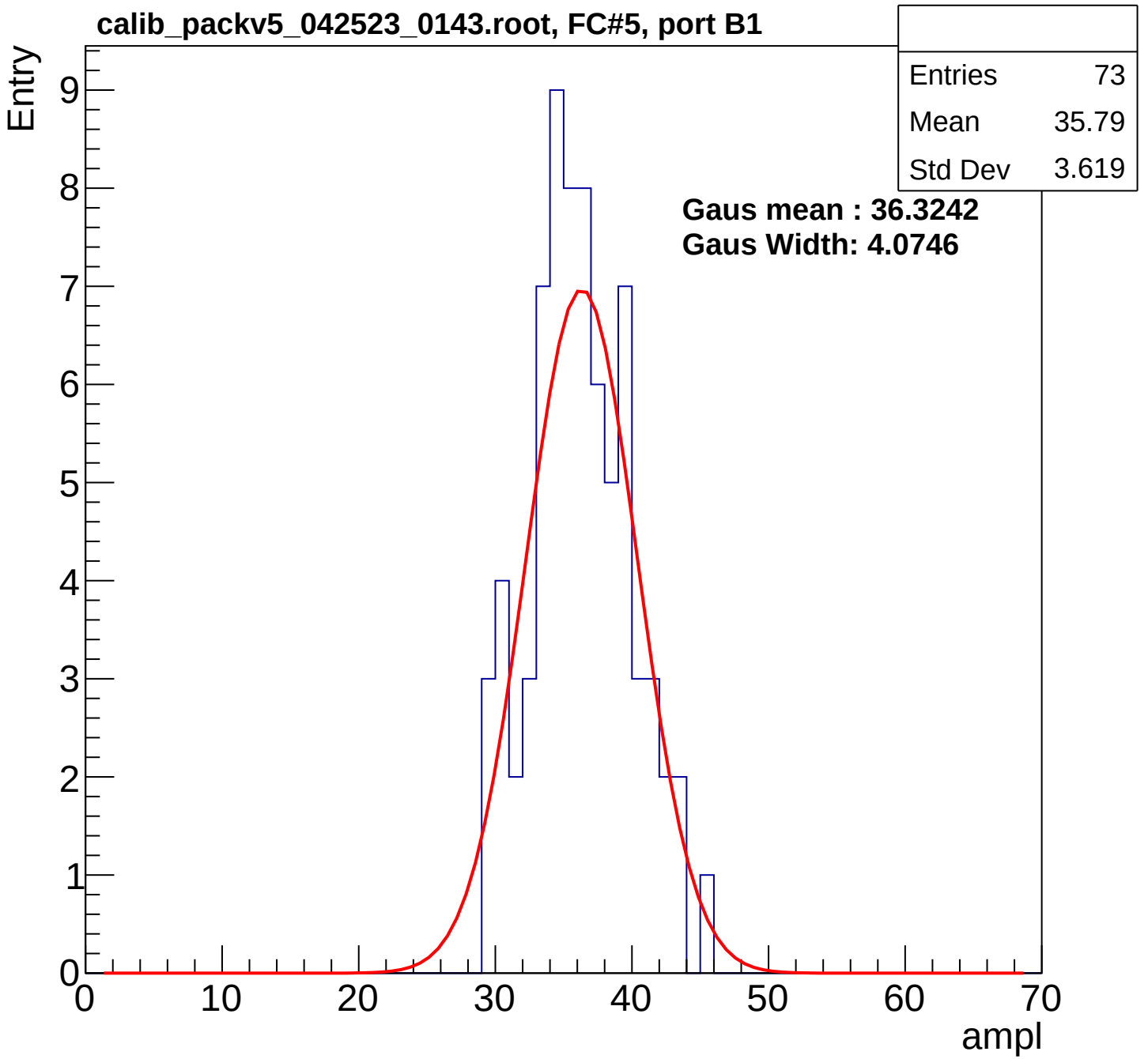
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch83, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 35.79
Std Dev 3.619
Gaus mean : 36.3242
Gaus Width: 4.0746
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
30
40
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60
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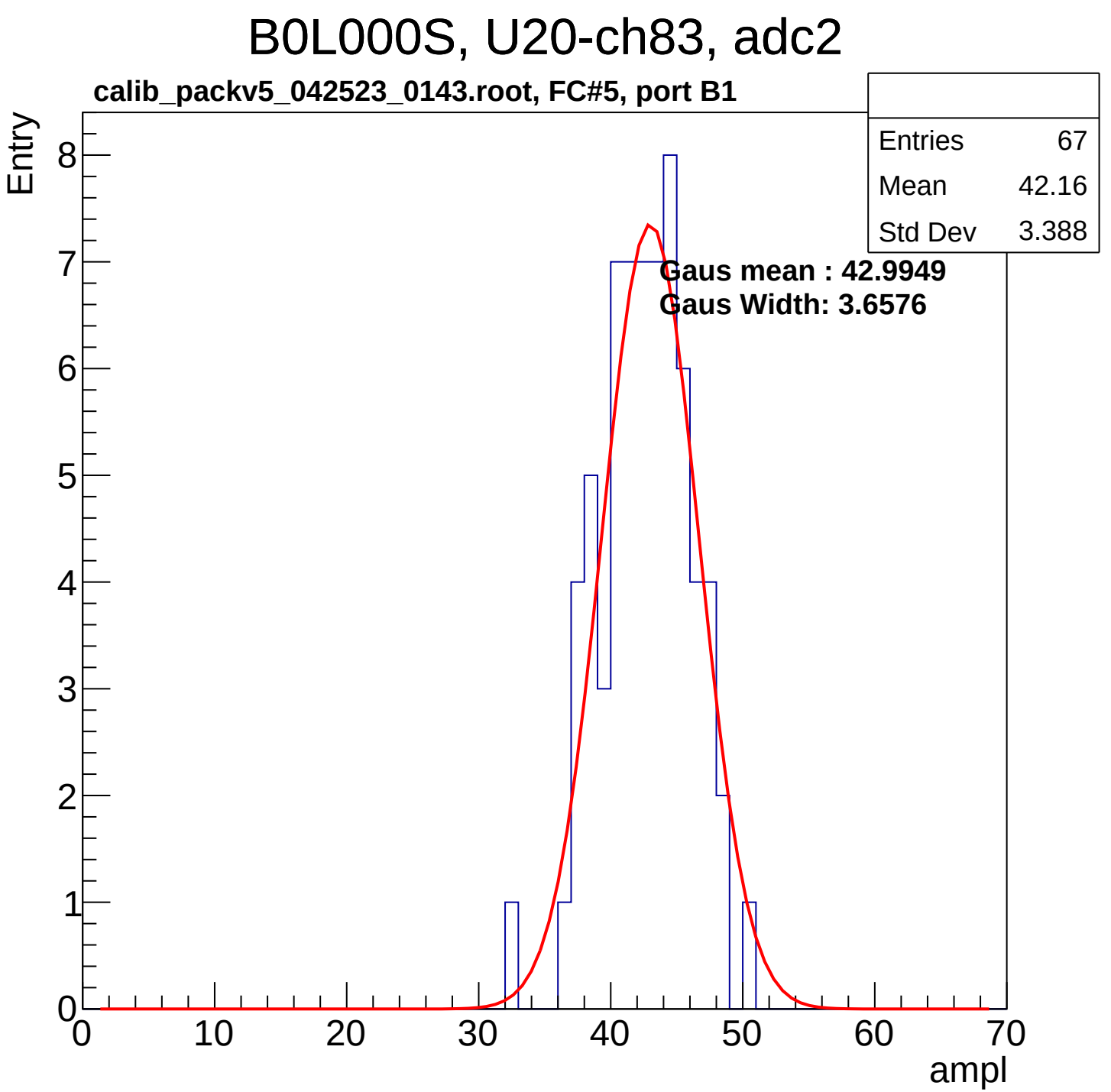
B0L000S, U20-ch83, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 42.16
Std Dev 3.388
Gaus mean : 42.9949
Gaus Width: 3.6576
Entry
ampl
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2
3
4
5
6
7
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0
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60
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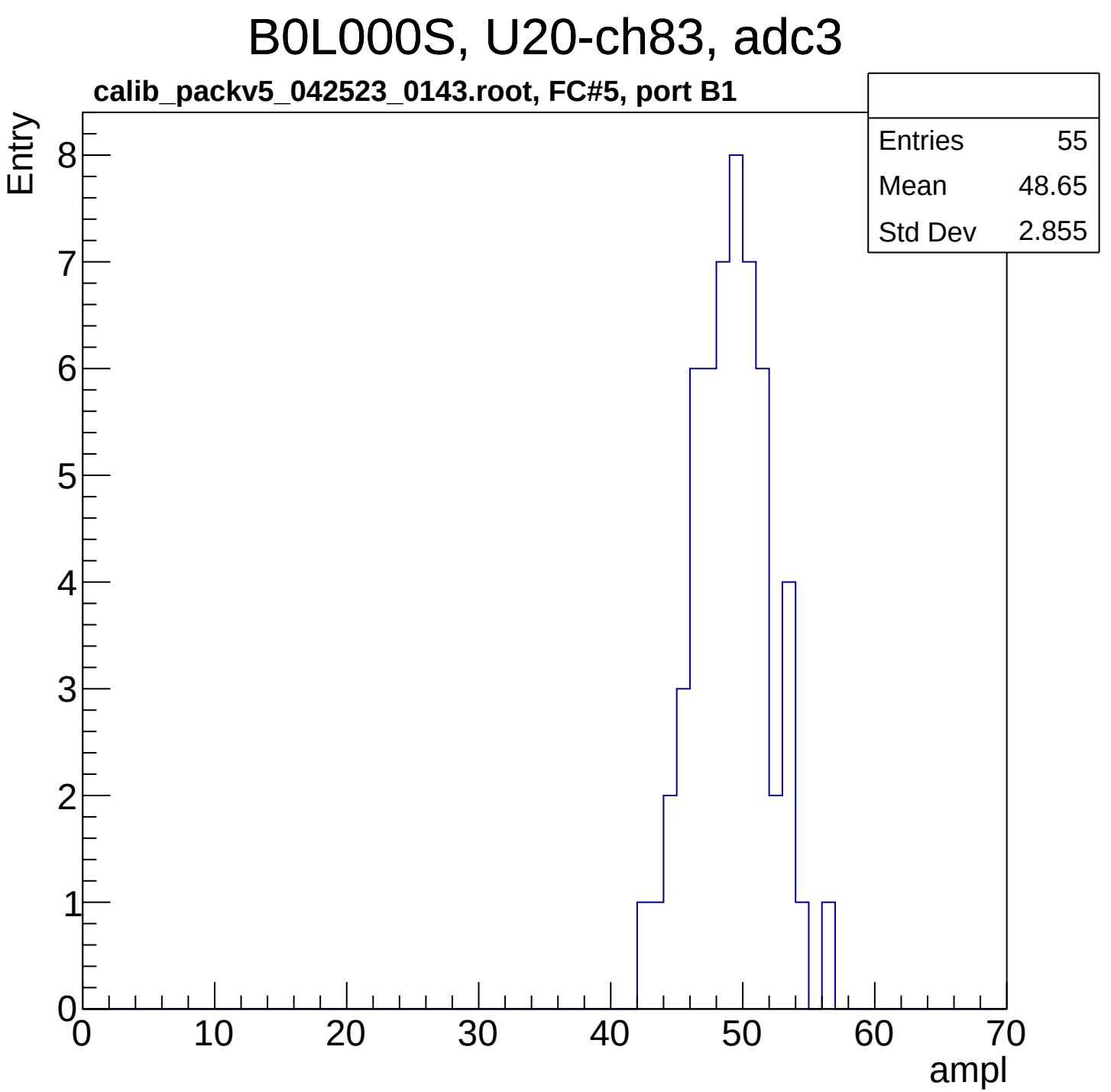
B0L000S, U20-ch83, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 48.65
Std Dev 2.855
Entry
ampl
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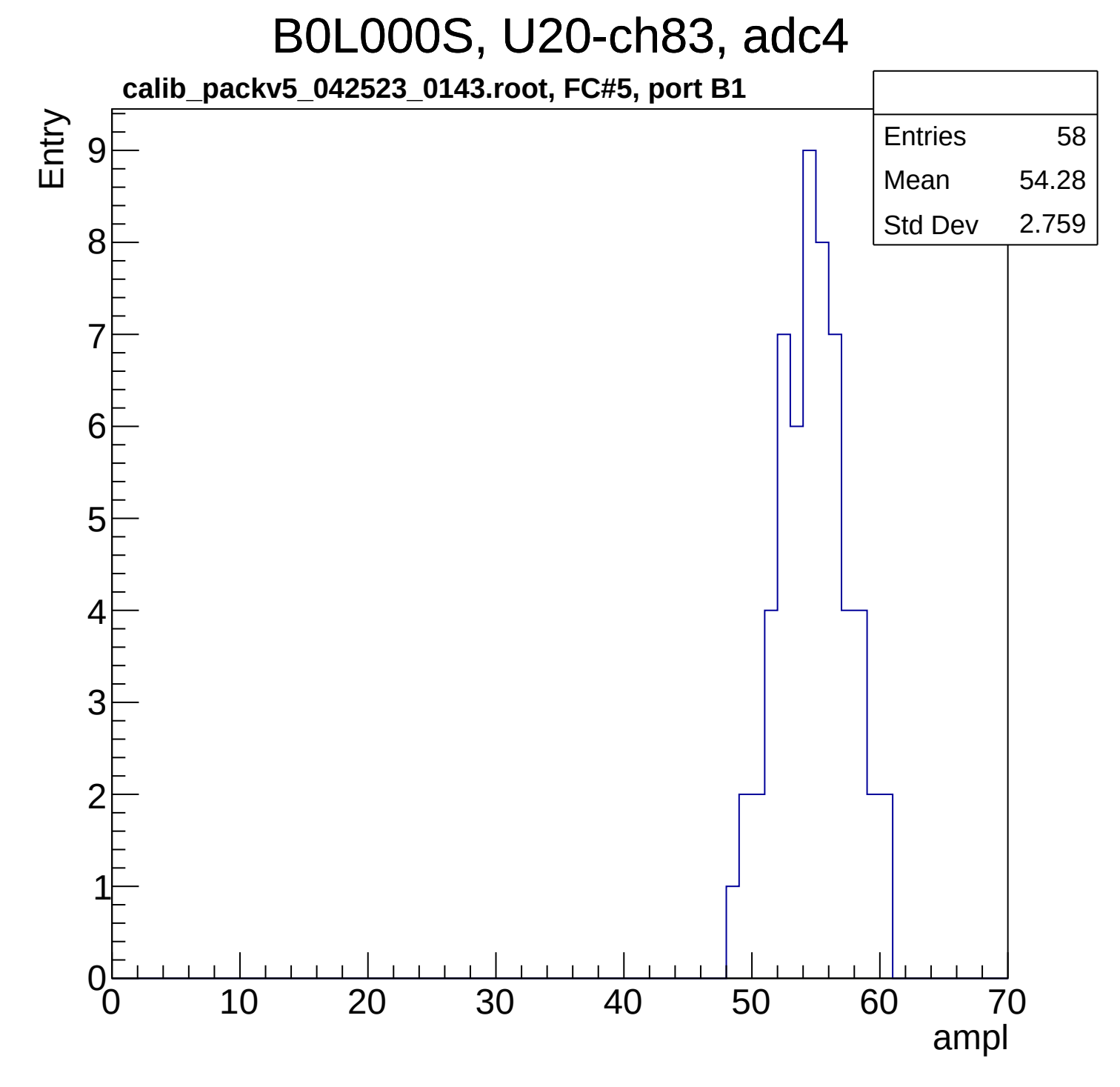
B0L000S, U20-ch83, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 54.28
Std Dev 2.759
Entry
ampl
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3
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5
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8
9
0
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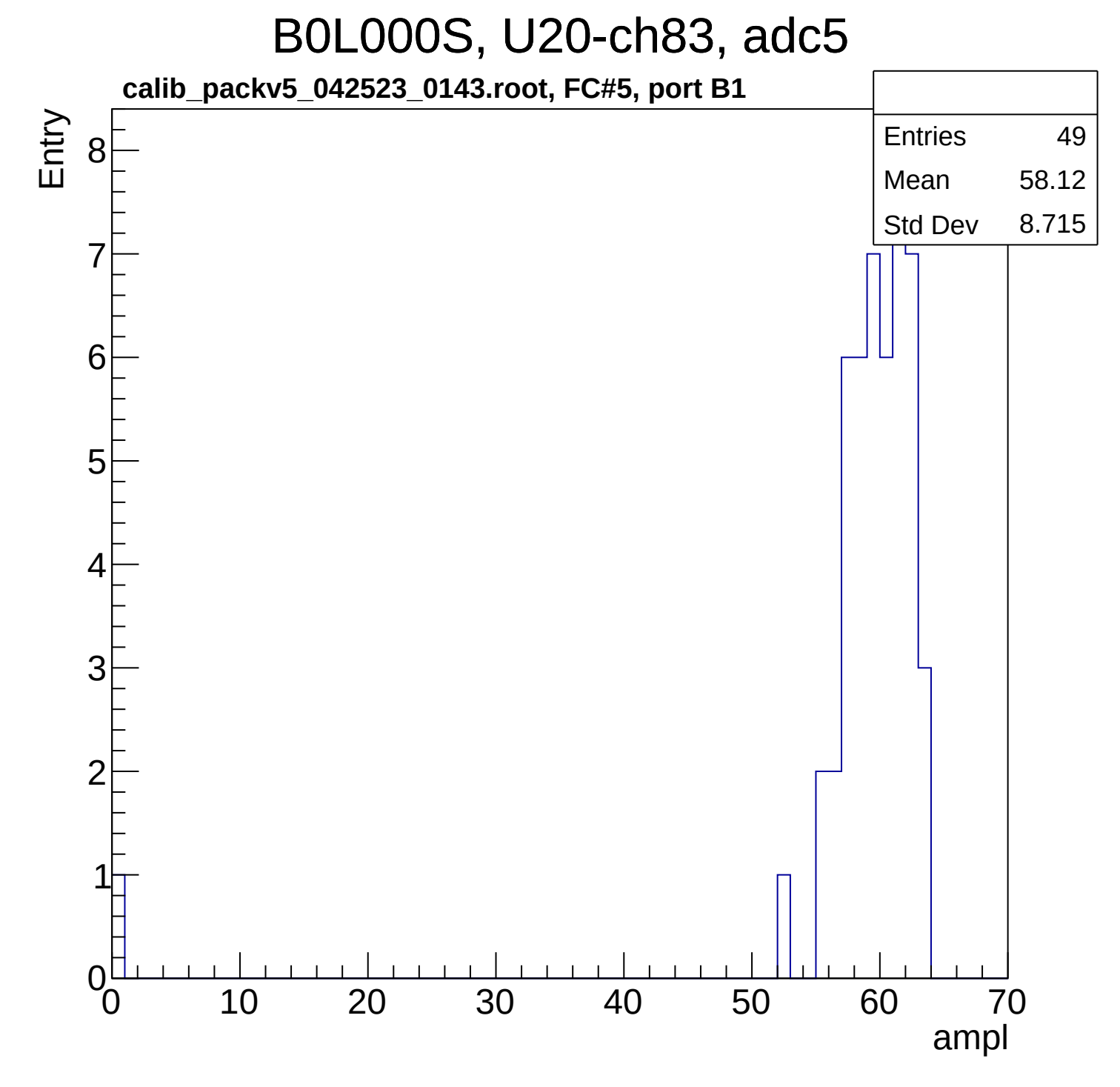
50
60
70


B0L000S, U20-ch83, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.12
Std Dev 8.715
Entry
ampl
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5
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7
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0
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60
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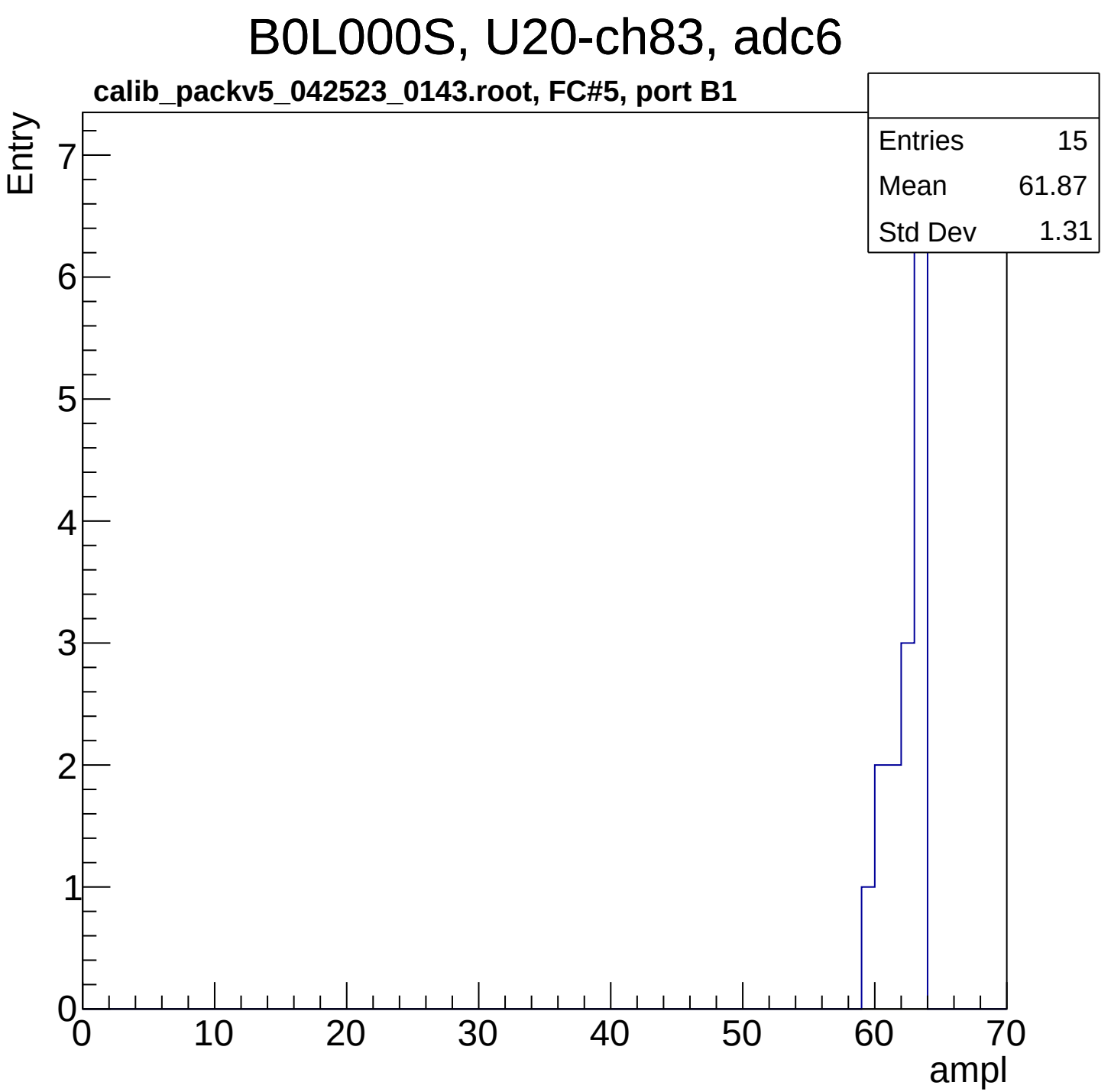
B0L000S, U20-ch83, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 15
Mean 61.87
Std Dev 1.31
Entry
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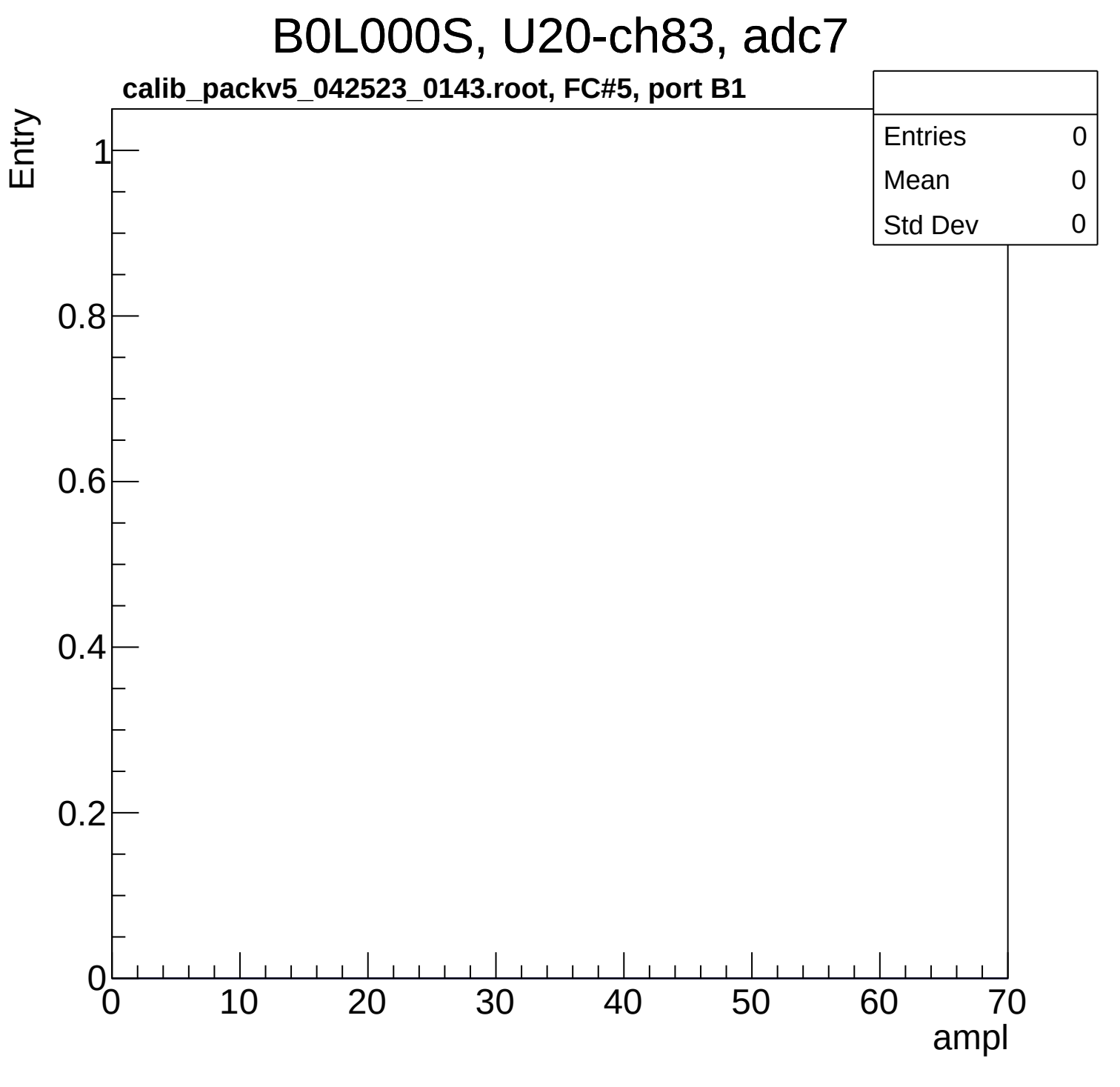
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch83, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
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10
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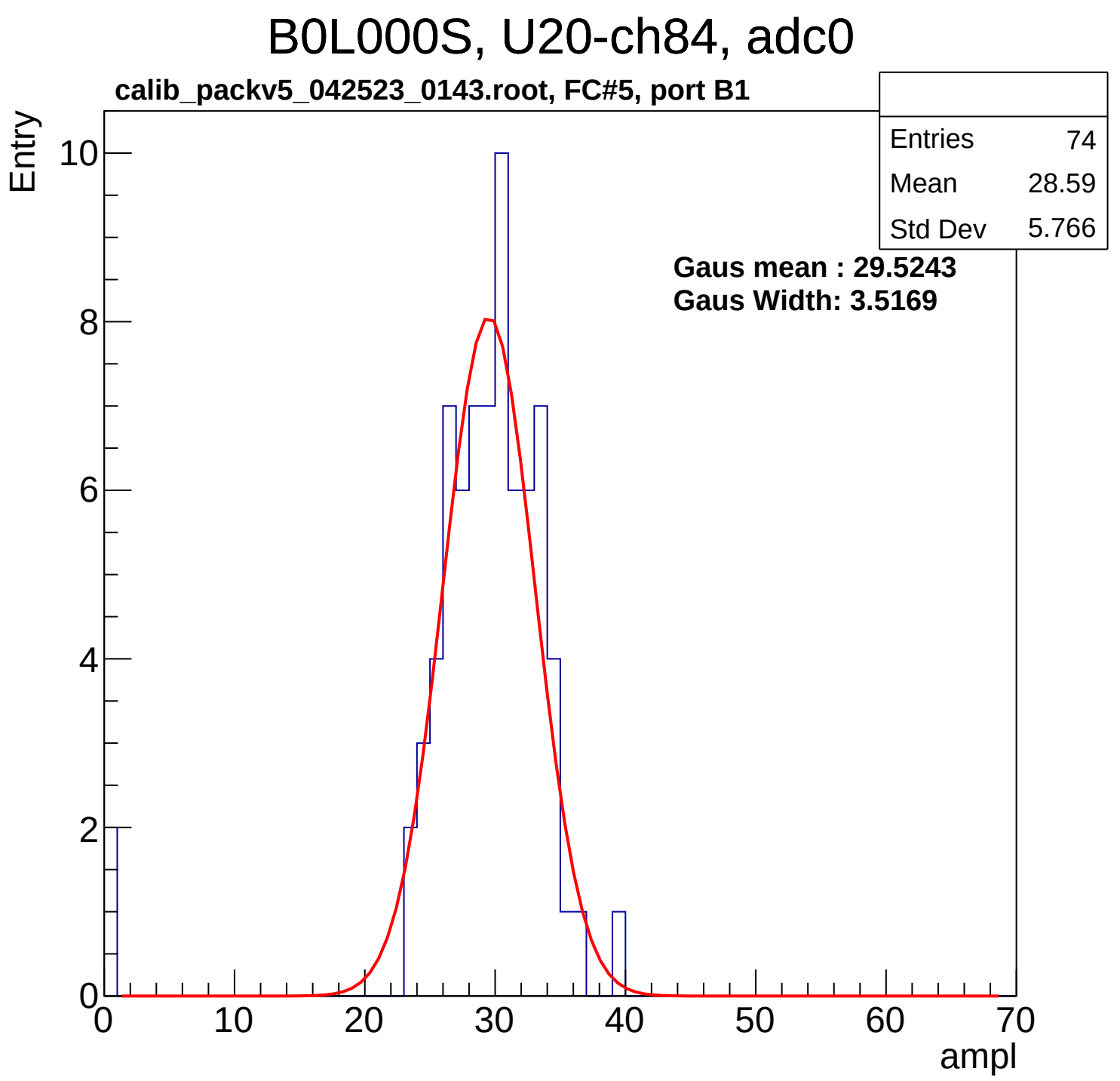
40
50
60
70
ampl


B0L000S, U20-ch84, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 28.59
Std Dev 5.766
Gaus mean : 29.5243
Gaus Width: 3.5169
Entry
ampl
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2
4
6
8
10
0
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20
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40
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60
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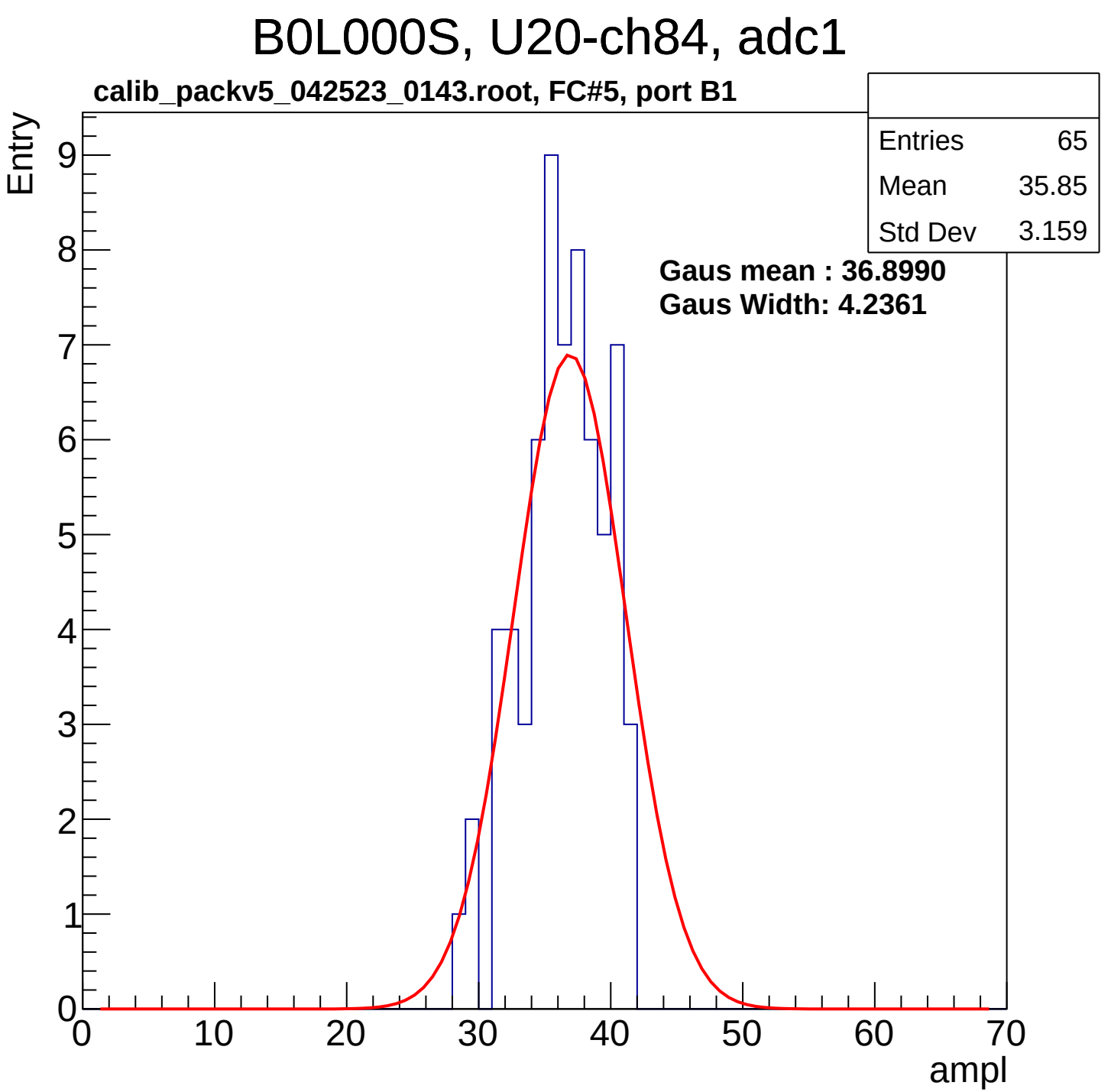
B0L000S, U20-ch84, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 35.85
Std Dev 3.159
Gaus mean : 36.8990
Gaus Width: 4.2361
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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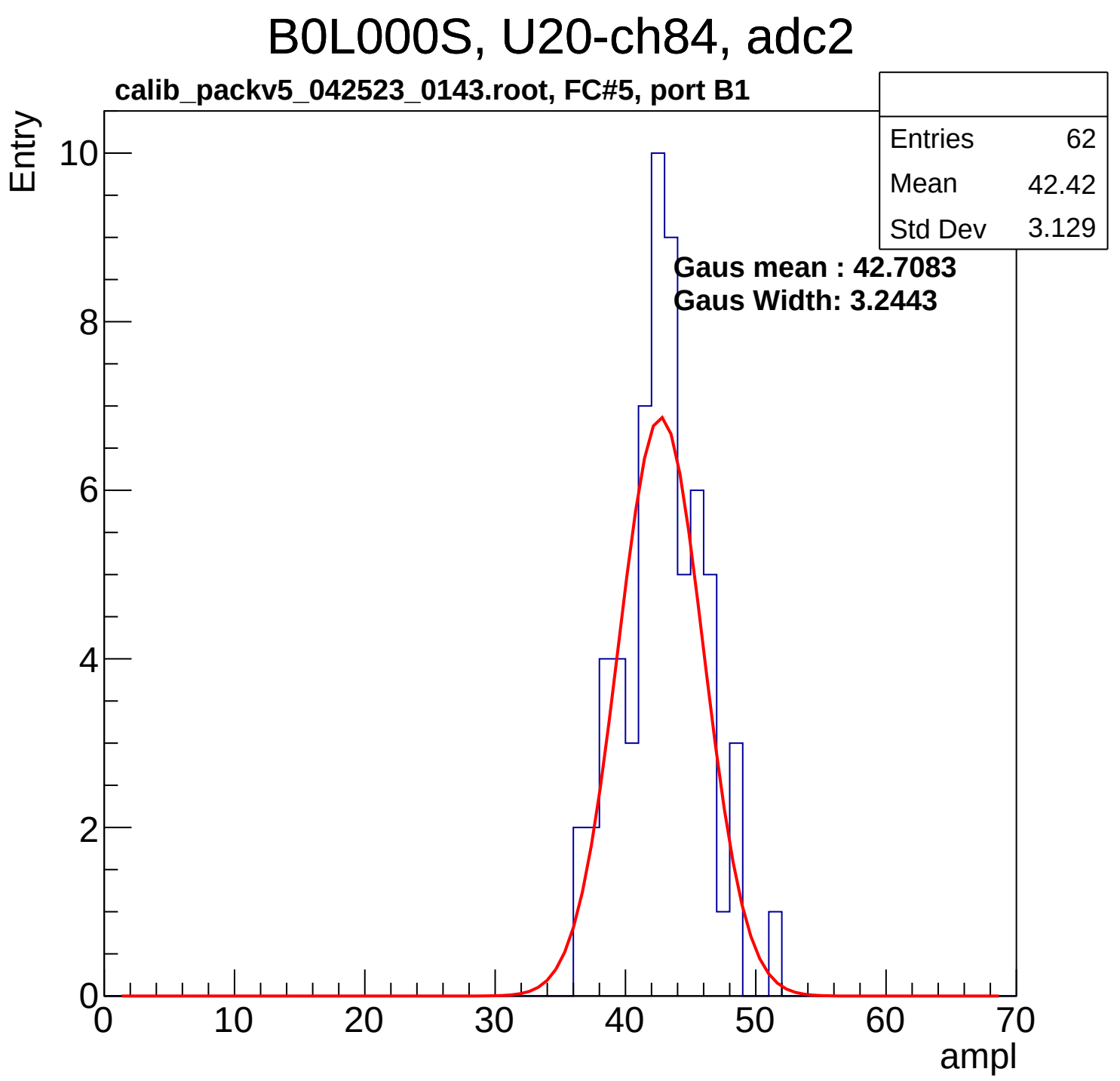
B0L000S, U20-ch84, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 42.42
Std Dev 3.129
Gaus mean : 42.7083
Gaus Width: 3.2443
Entry
ampl
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4
6
8
10
0
10
20
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40
50
60
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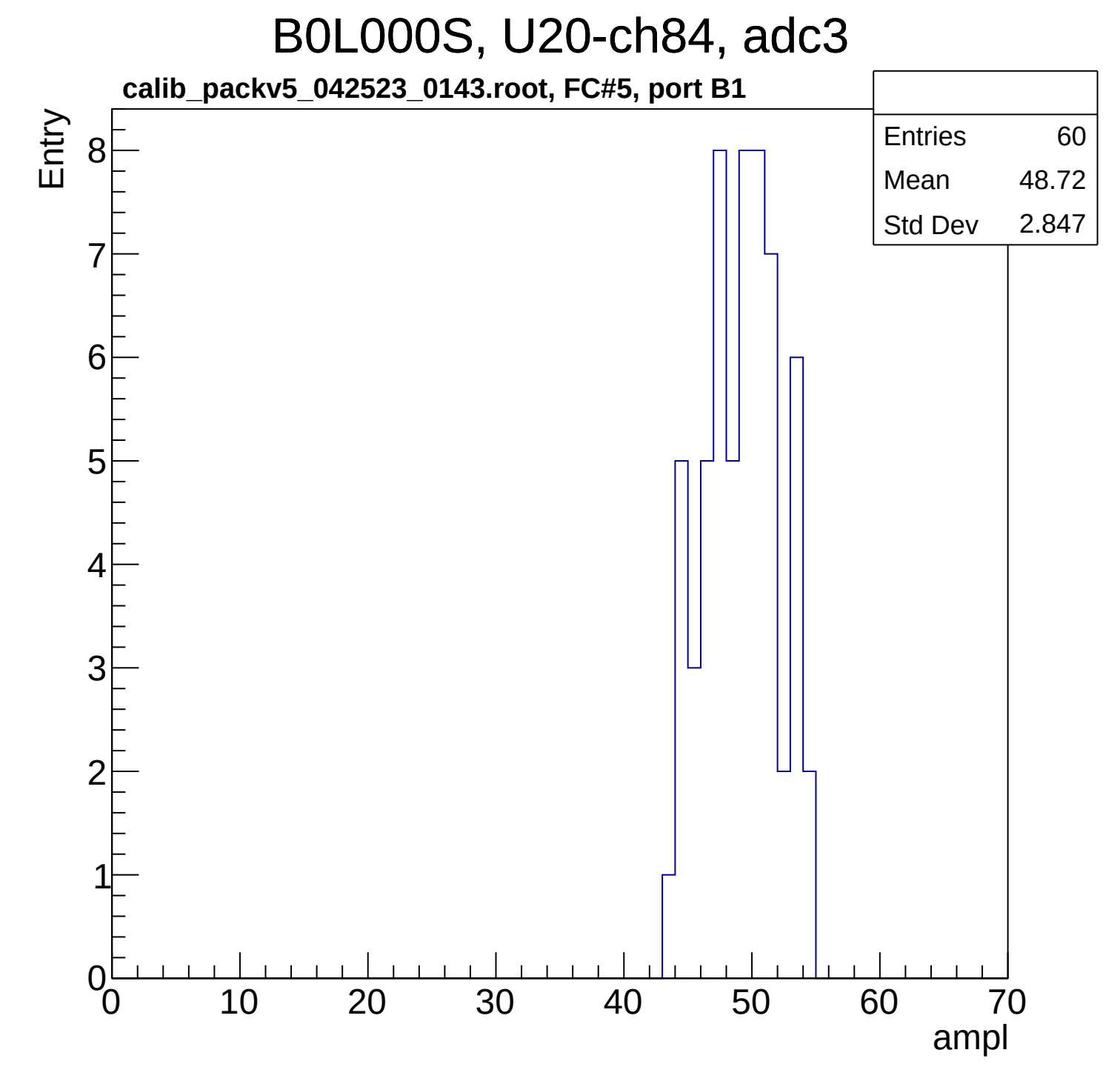
B0L000S, U20-ch84, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 48.72
Std Dev 2.847
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
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40
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60
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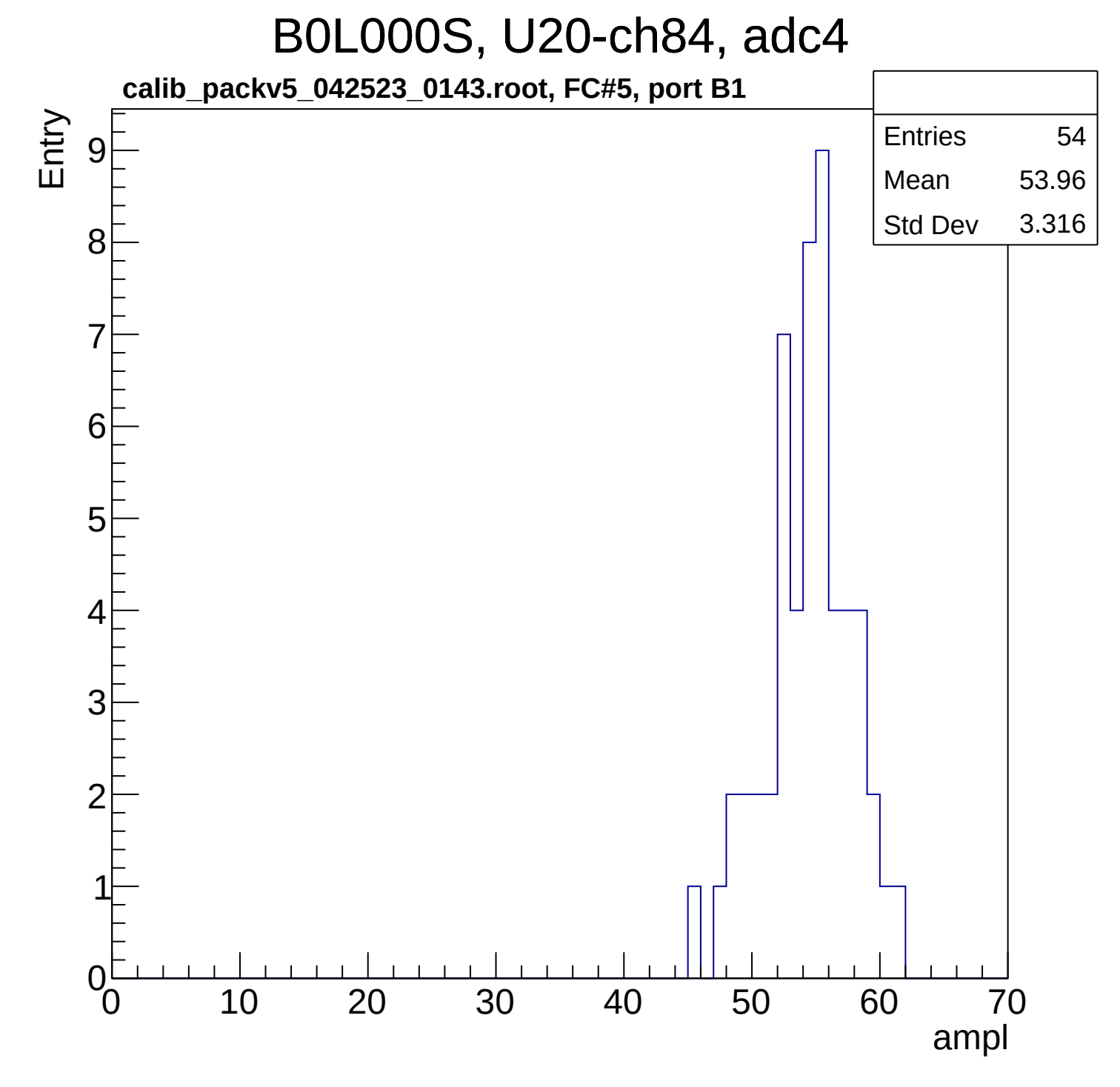
B0L000S, U20-ch84, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 53.96
Std Dev 3.316
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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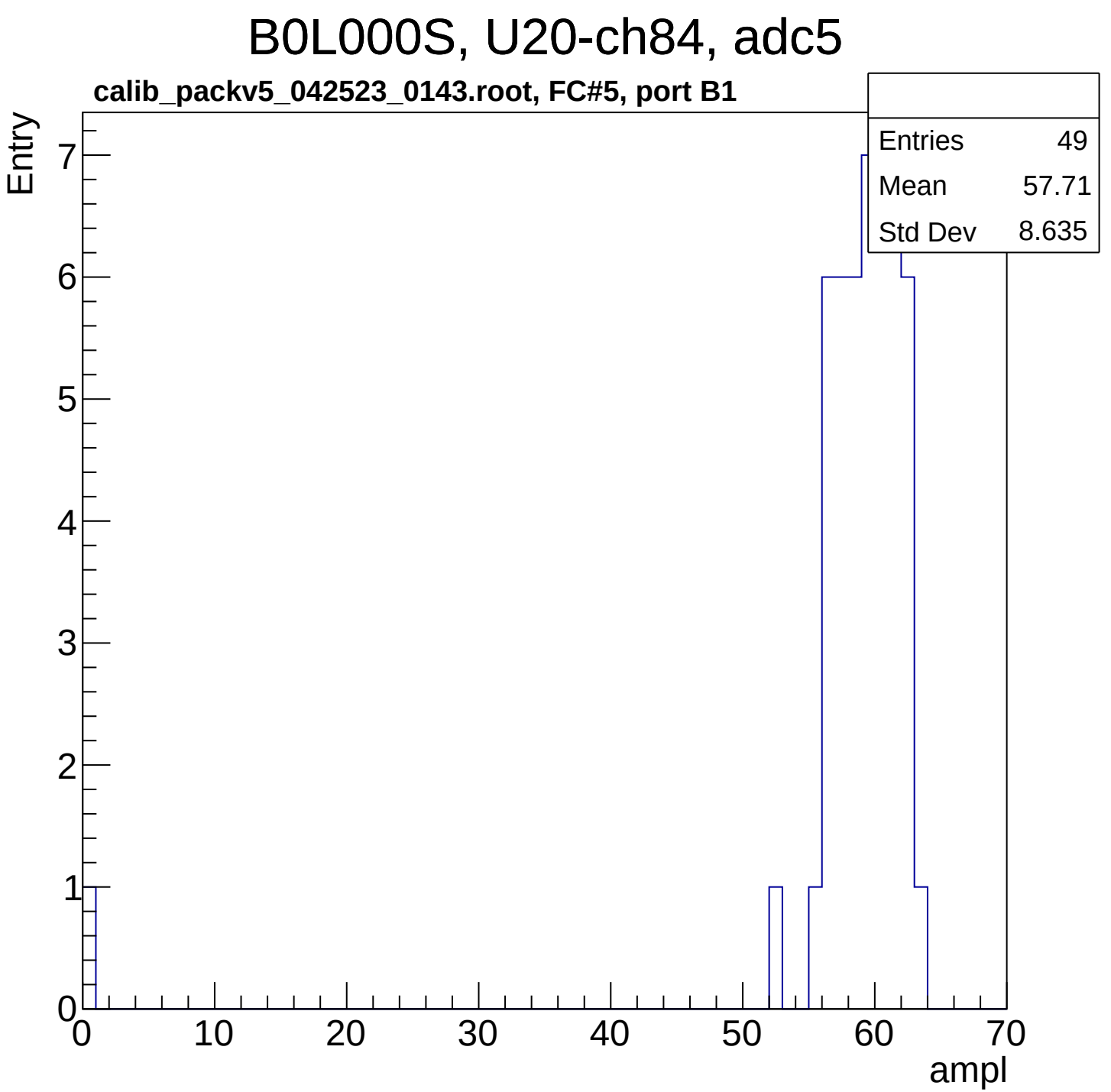
B0L000S, U20-ch84, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 57.71
Std Dev 8.635
Entry
ampl
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3
4
5
6
7
0
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40
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60
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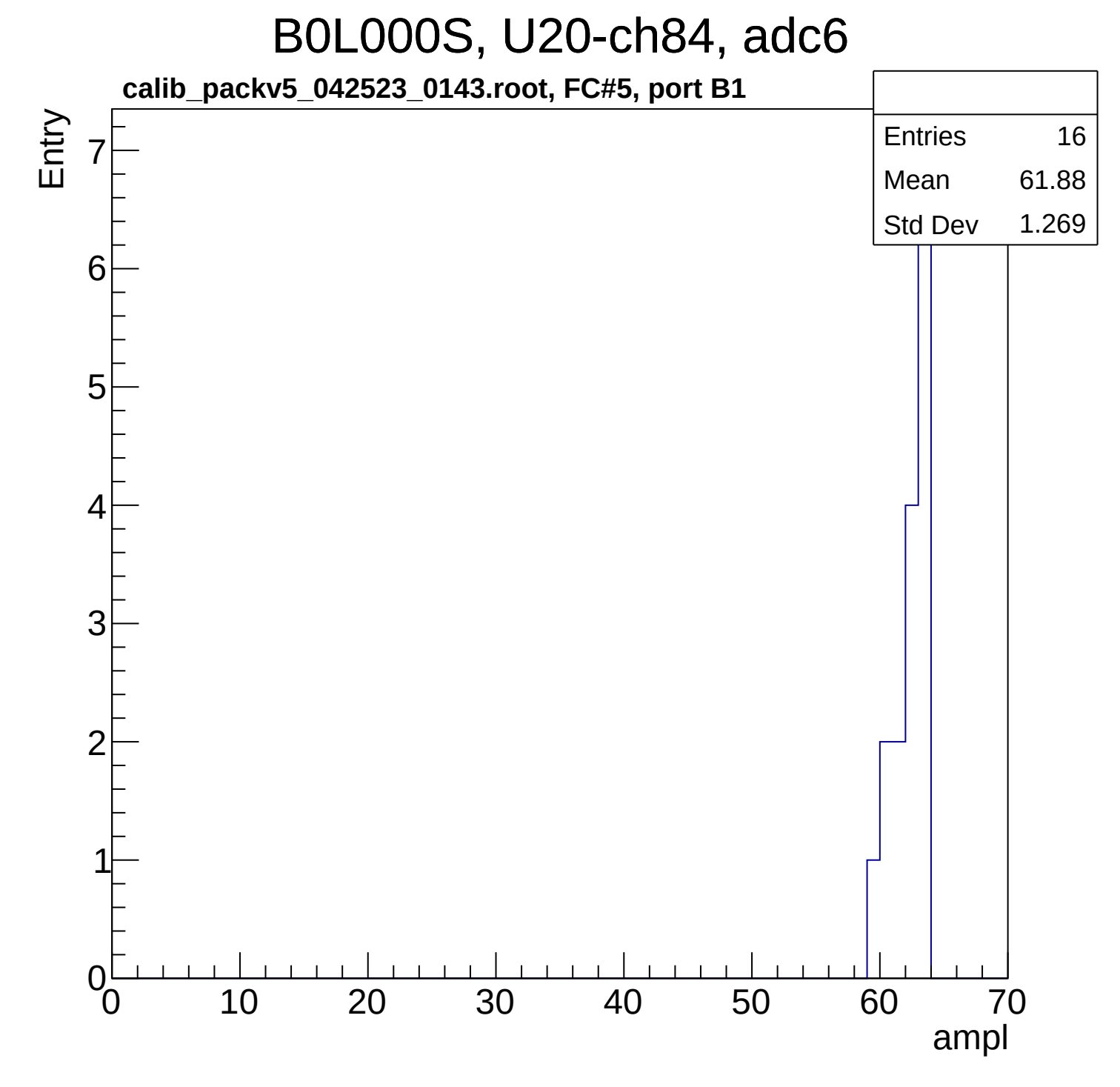
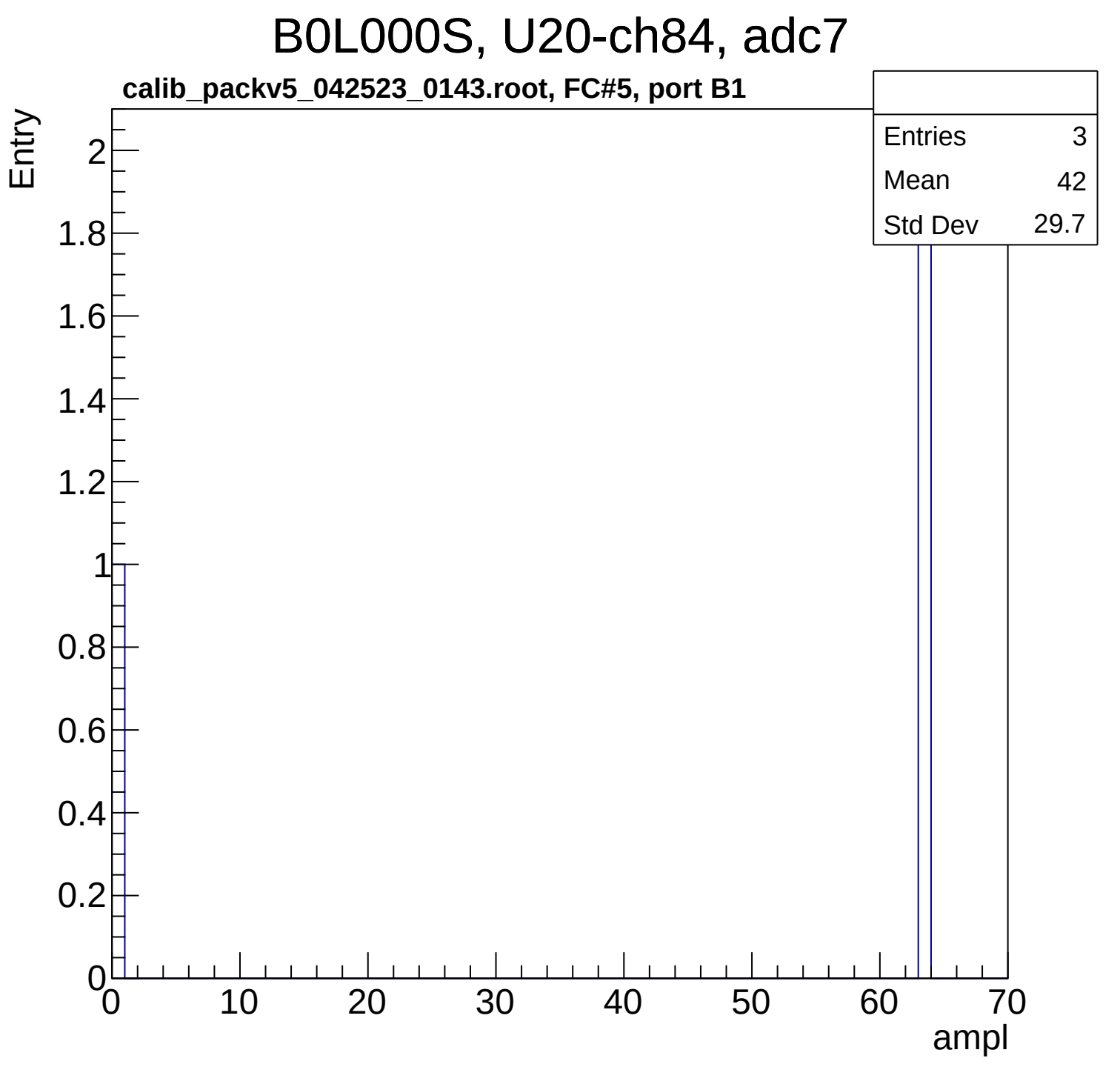

B0L000S, U20-ch84, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 16
Mean 61.88
Std Dev 1.269
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch84, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 42
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
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60
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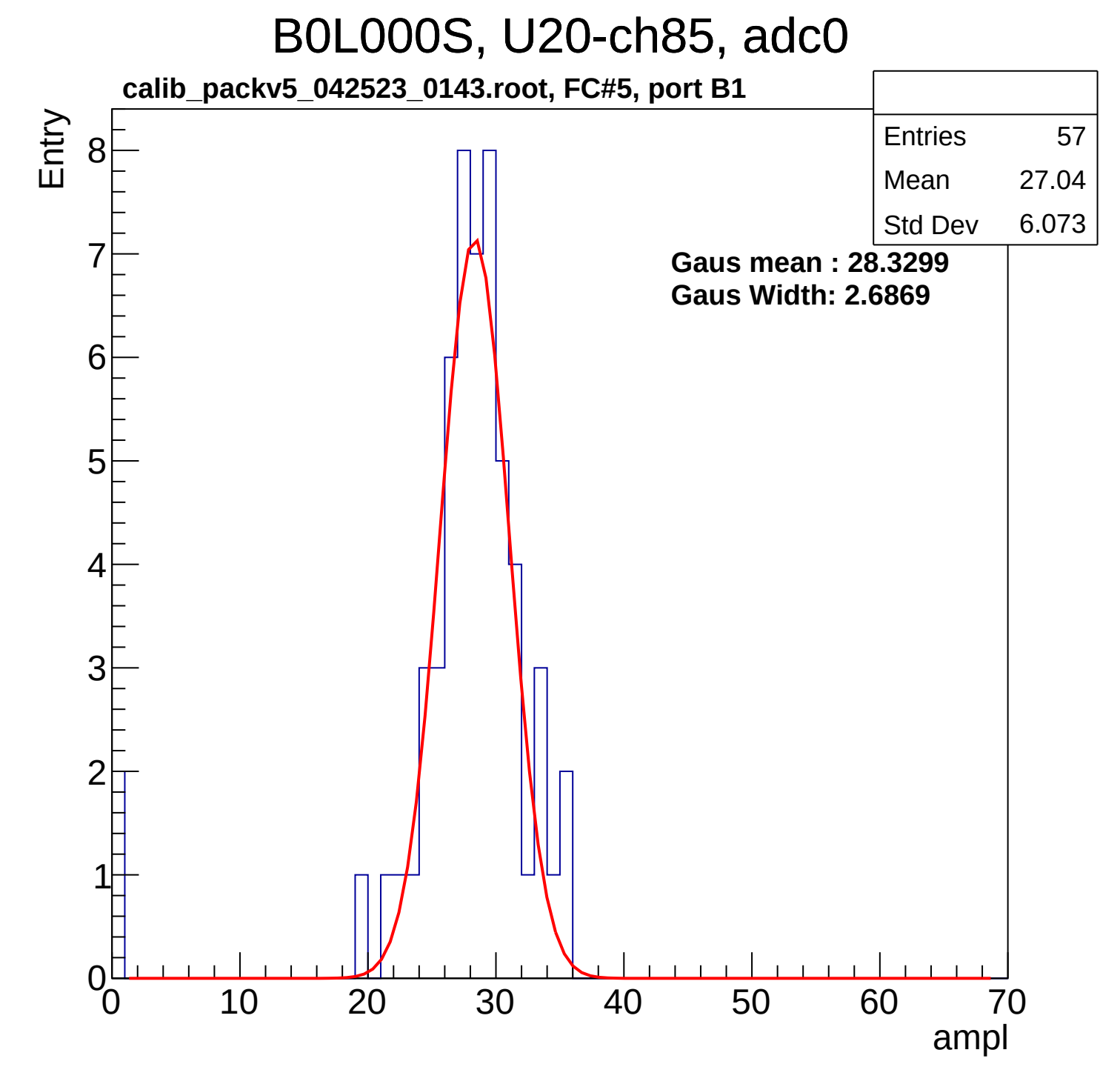
B0L000S, U20-ch85, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 27.04
Std Dev 6.073
Gaus mean : 28.3299
Gaus Width: 2.6869
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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20
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40
50
60
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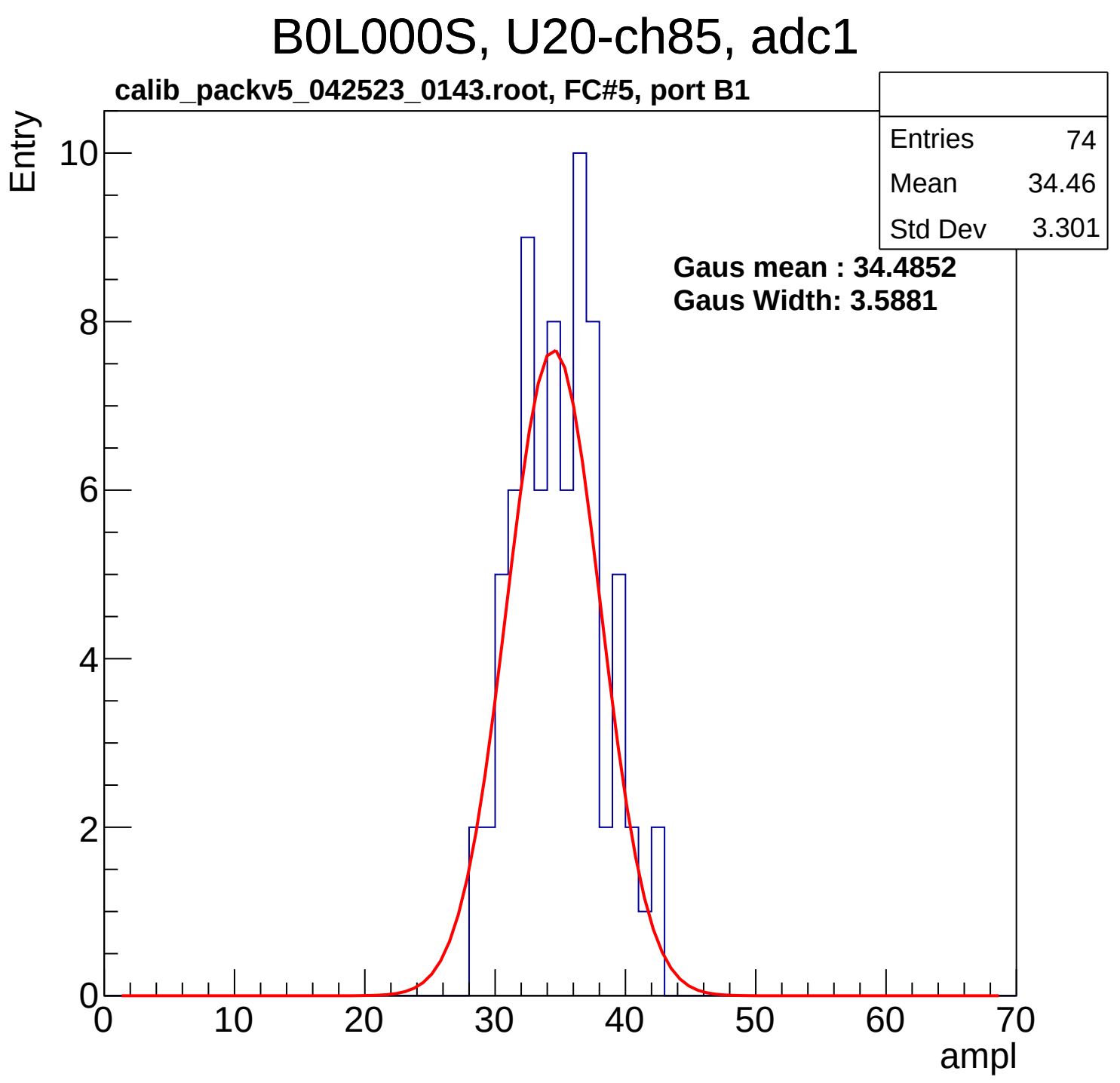
B0L000S, U20-ch85, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 34.46
Std Dev 3.301
Gaus mean : 34.4852
Gaus Width: 3.5881
Entry
ampl
0
2
4
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8
10
0
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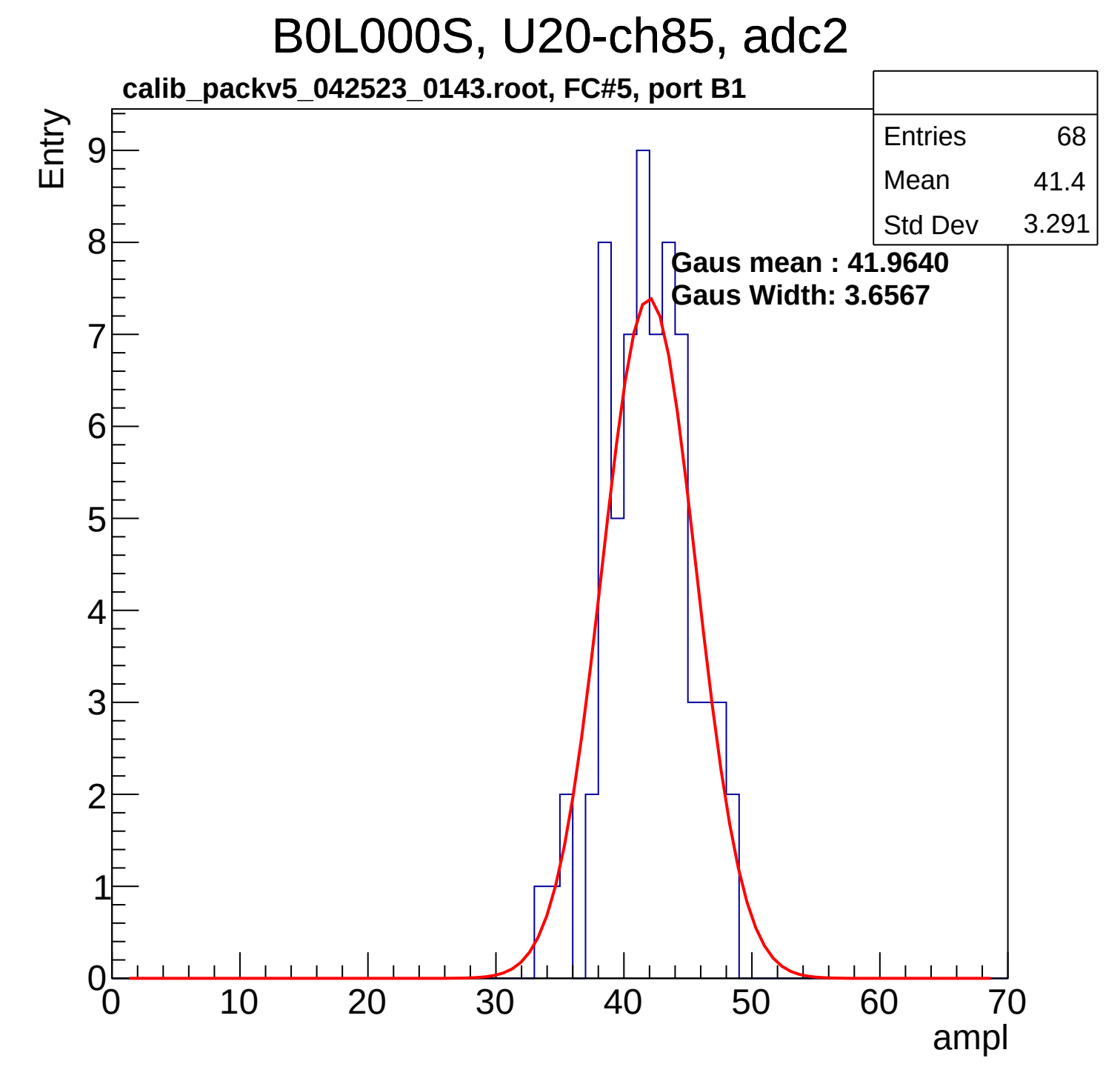
B0L000S, U20-ch85, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 41.4
Std Dev 3.291
Gaus mean : 41.9640
Gaus Width: 3.6567
Entry
ampl
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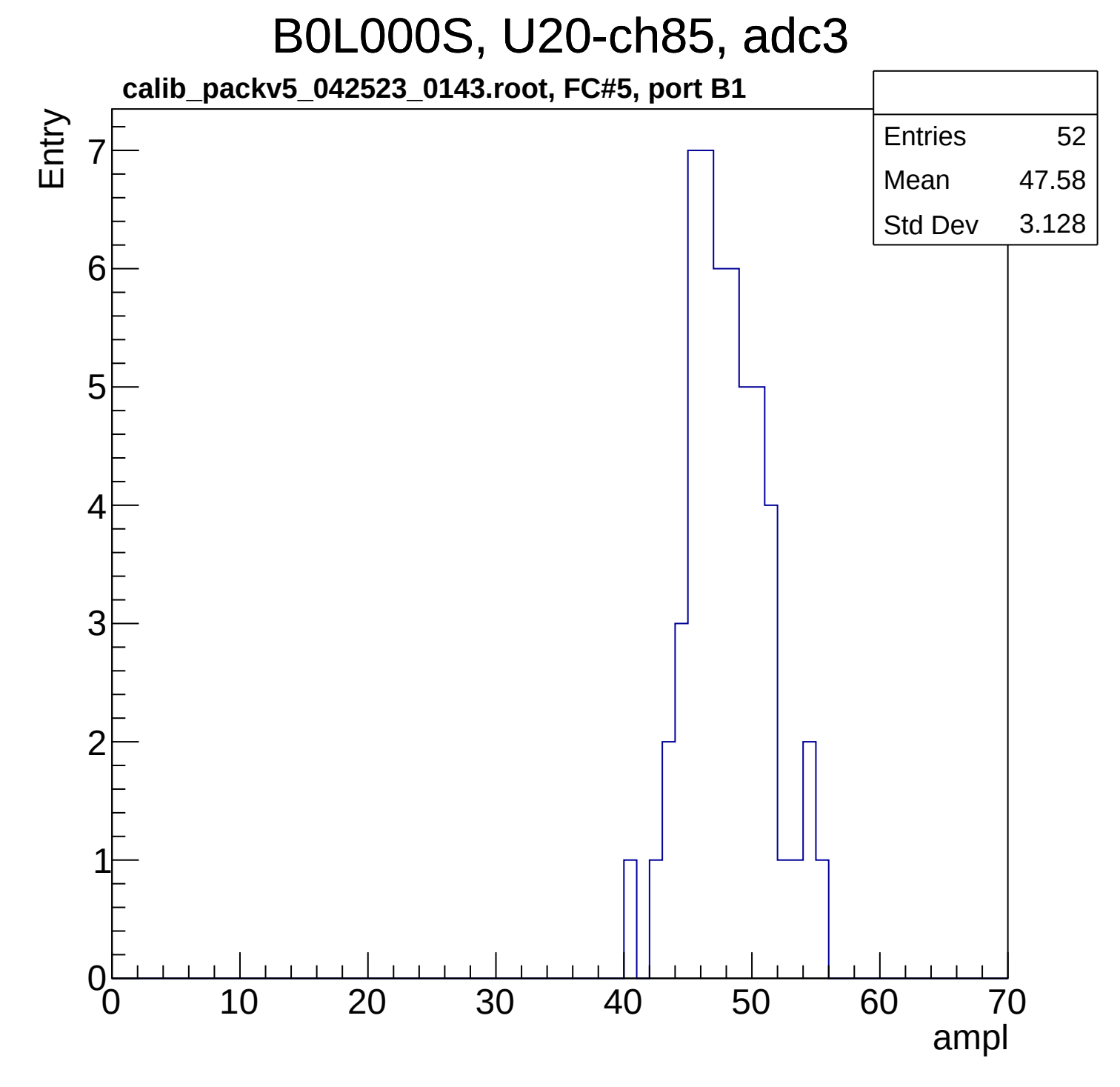
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L000S, U20-ch85, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 47.58
Std Dev 3.128
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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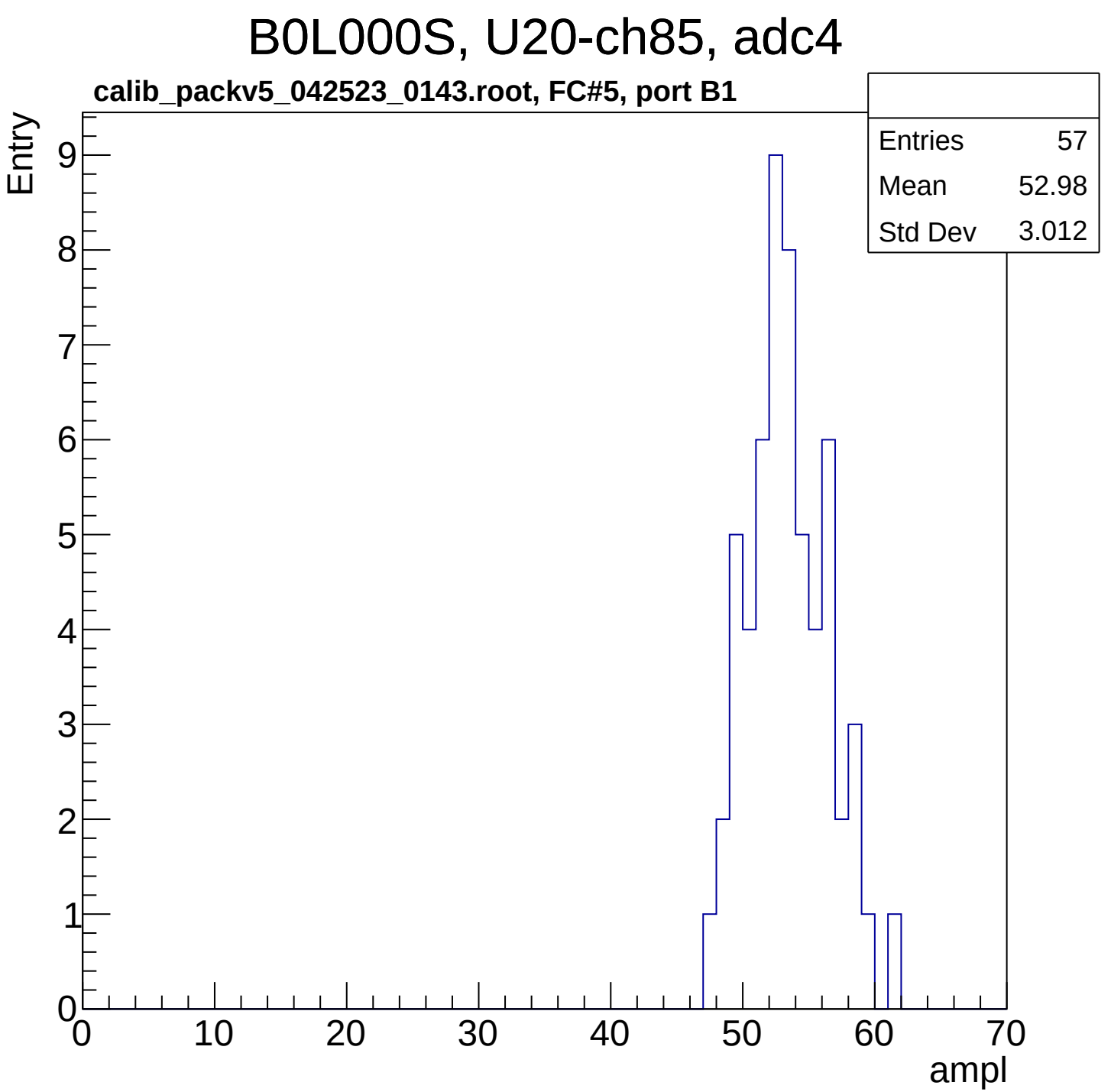
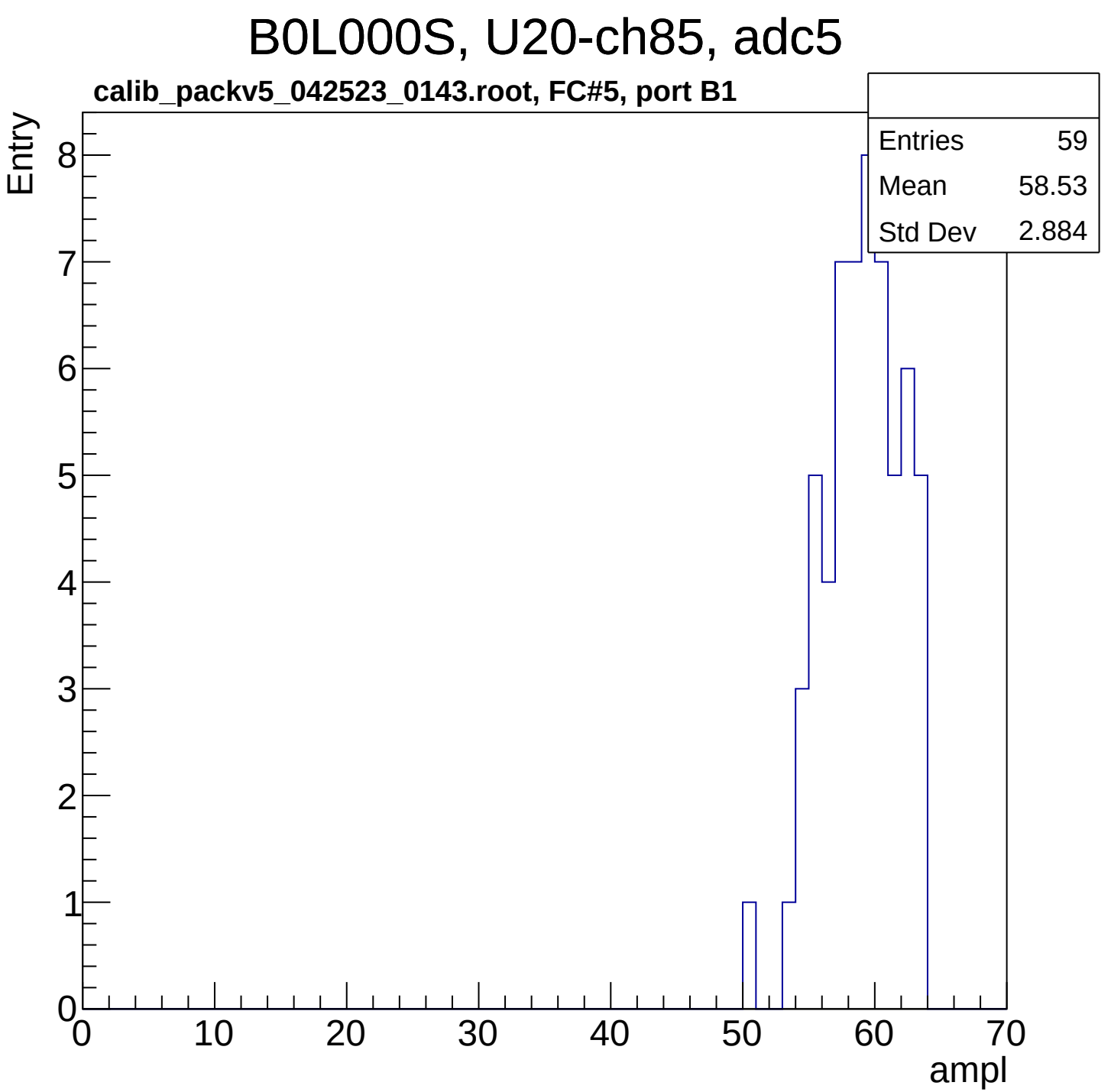

B0L000S, U20-ch85, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 52.98
Std Dev 3.012
Entry
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch85, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 58.53
Std Dev 2.884
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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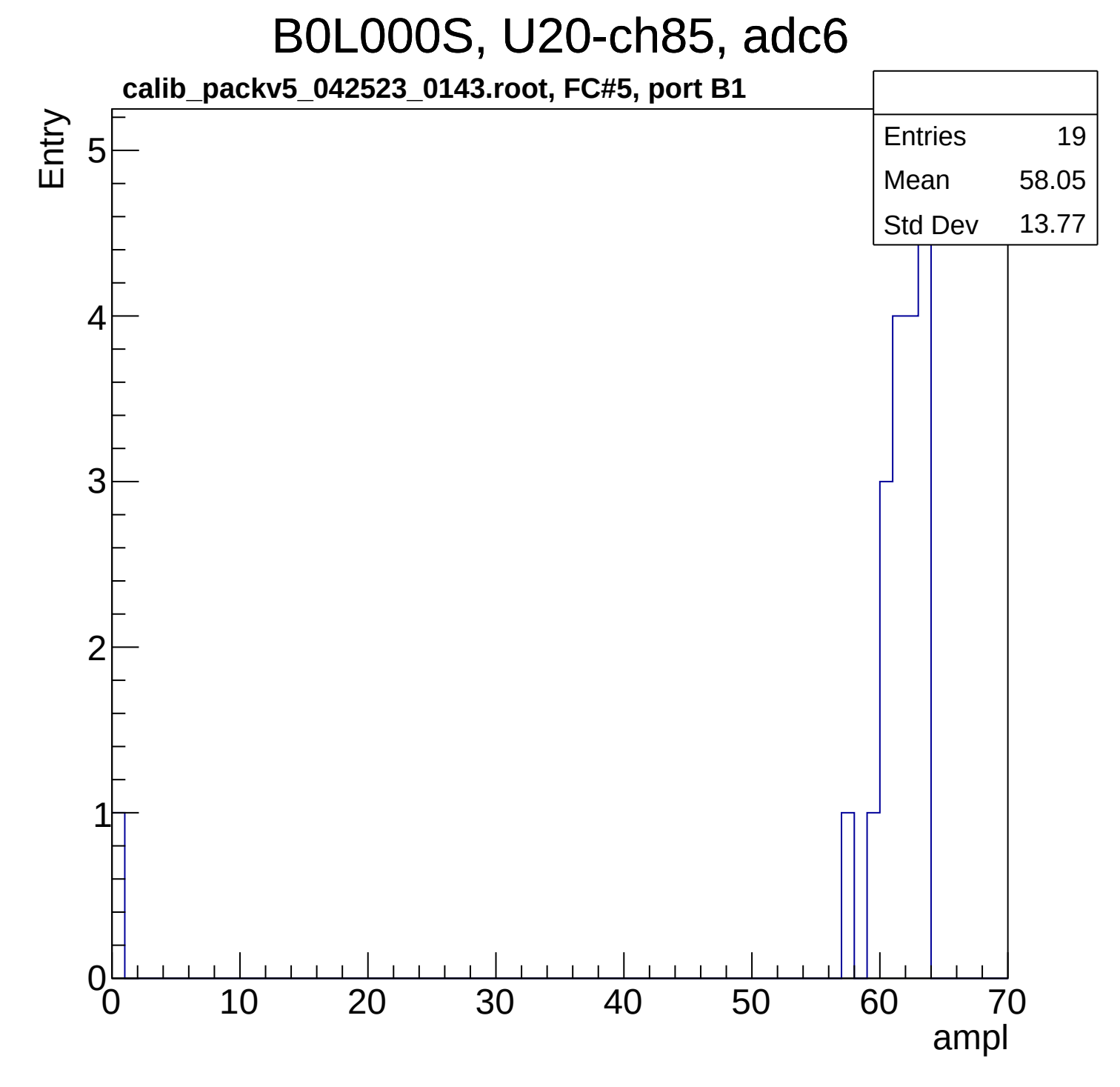
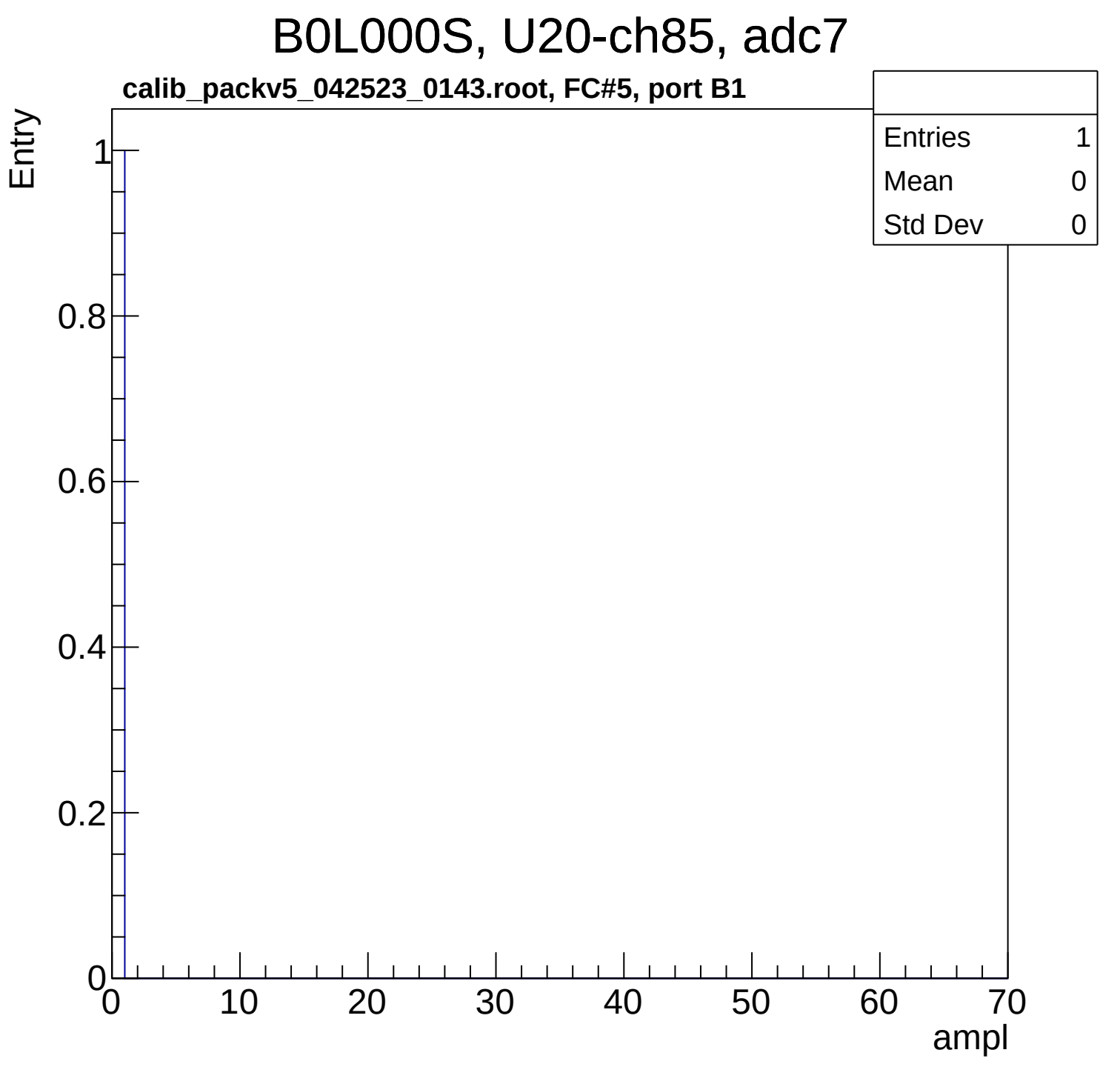
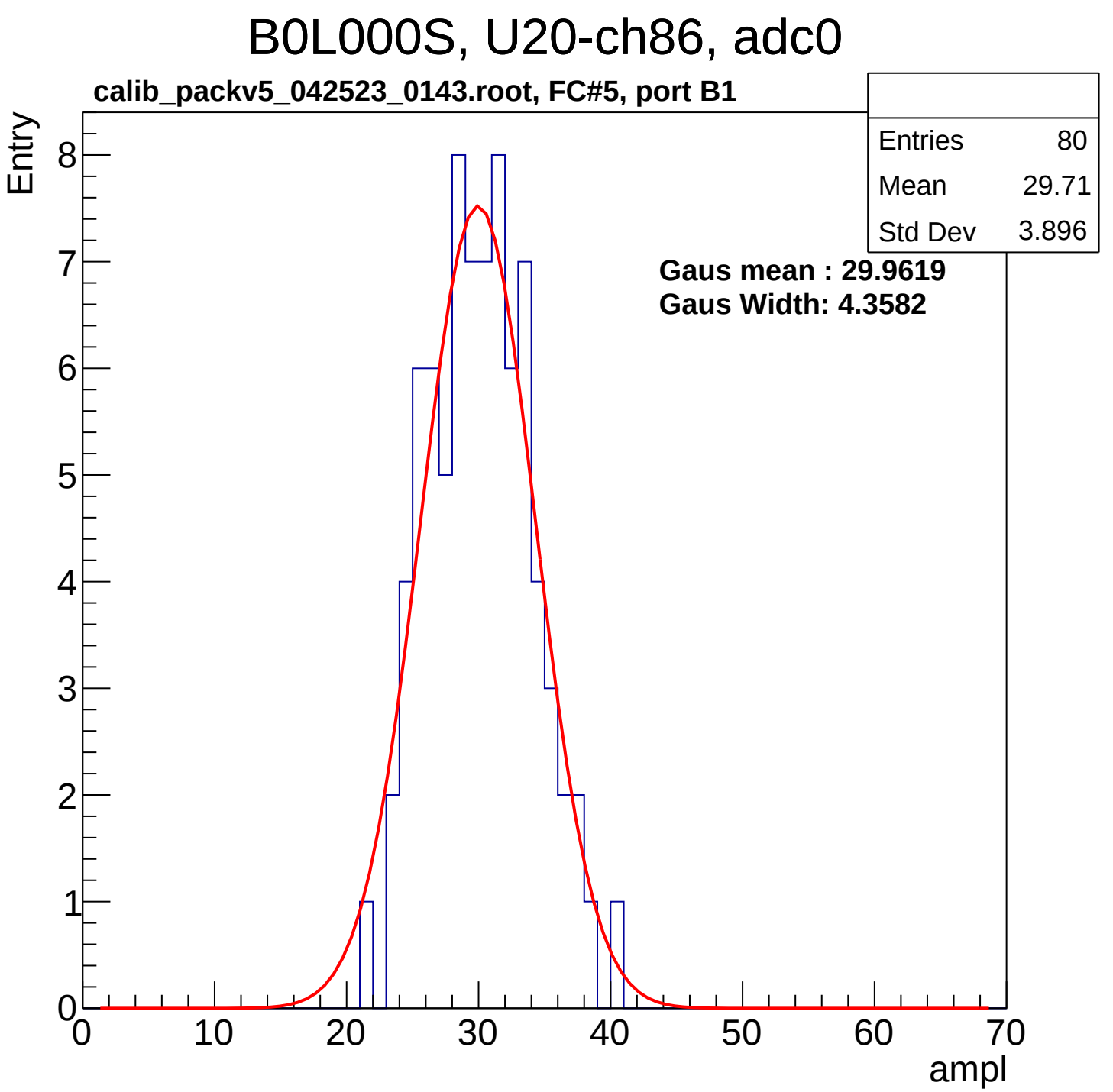
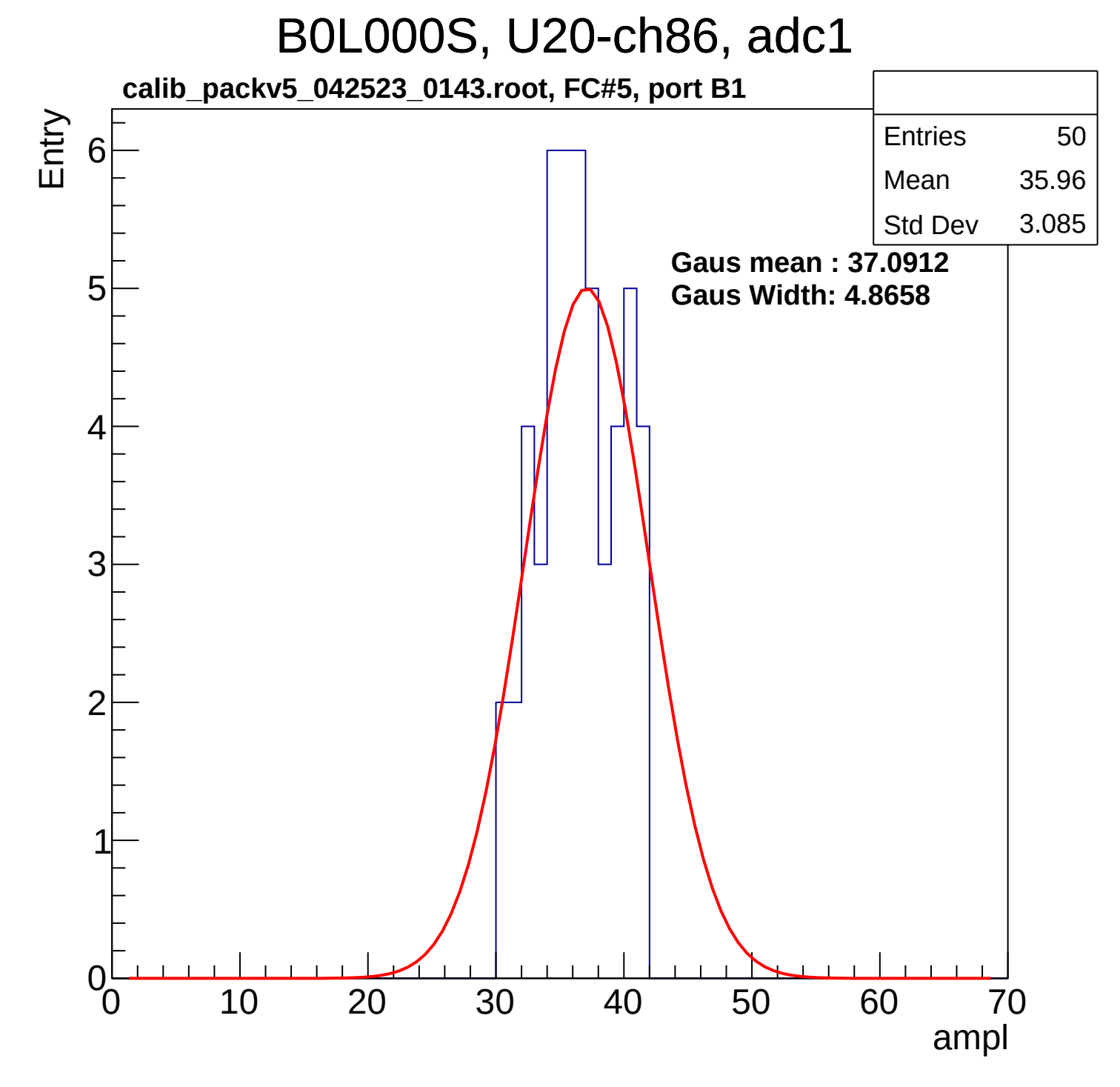
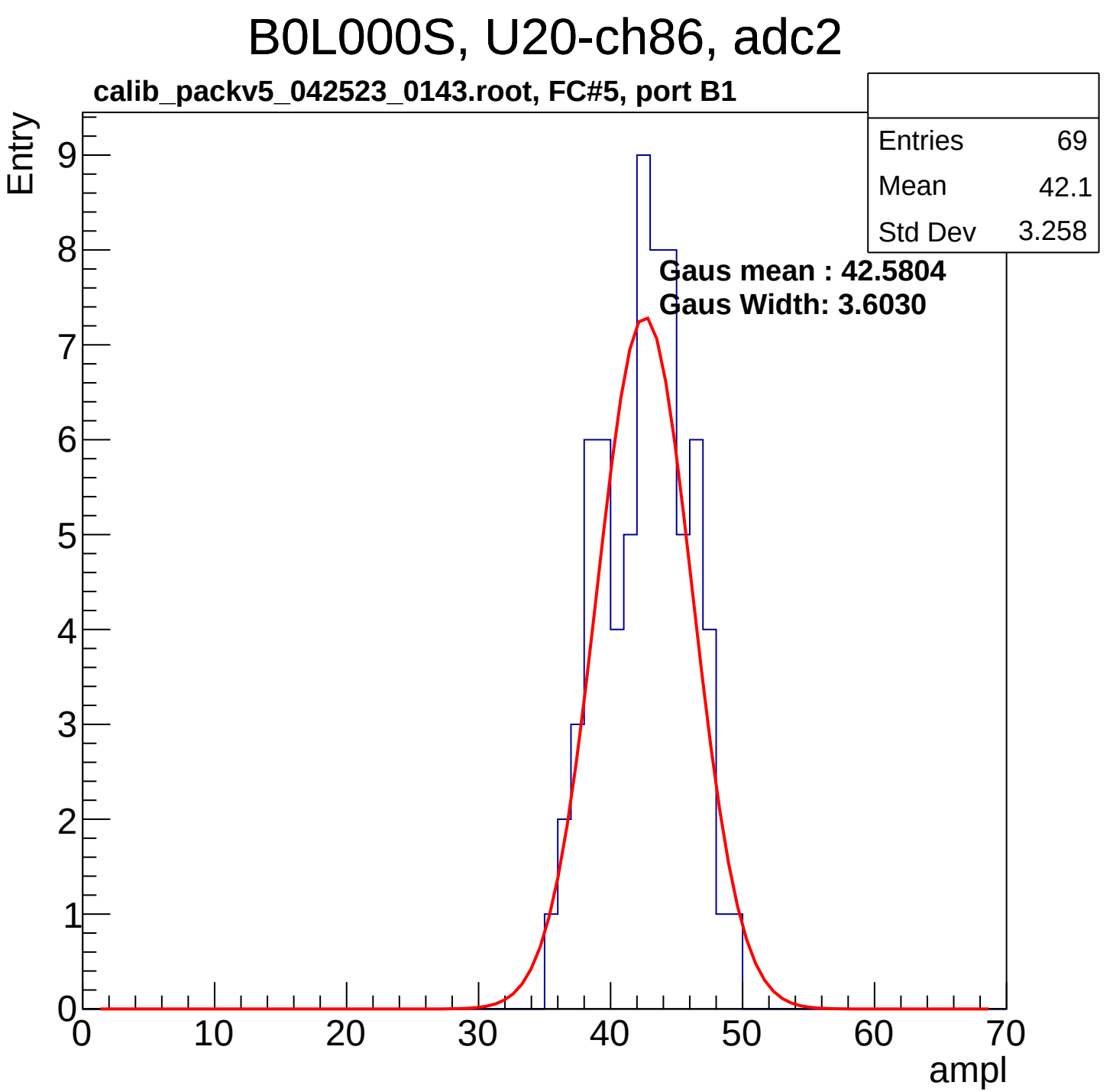

B0L000S, U20-ch85, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 19
Mean 58.05
Std Dev 13.77
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch85, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch86, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 29.71
Std Dev 3.896
Gaus mean : 29.9619
Gaus Width: 4.3582
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch86, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 35.96
Std Dev 3.085
Gaus mean : 37.0912
Gaus Width: 4.8658
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L000S, U20-ch86, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 42.1
Std Dev 3.258
Gaus mean : 42.5804
Gaus Width: 3.6030
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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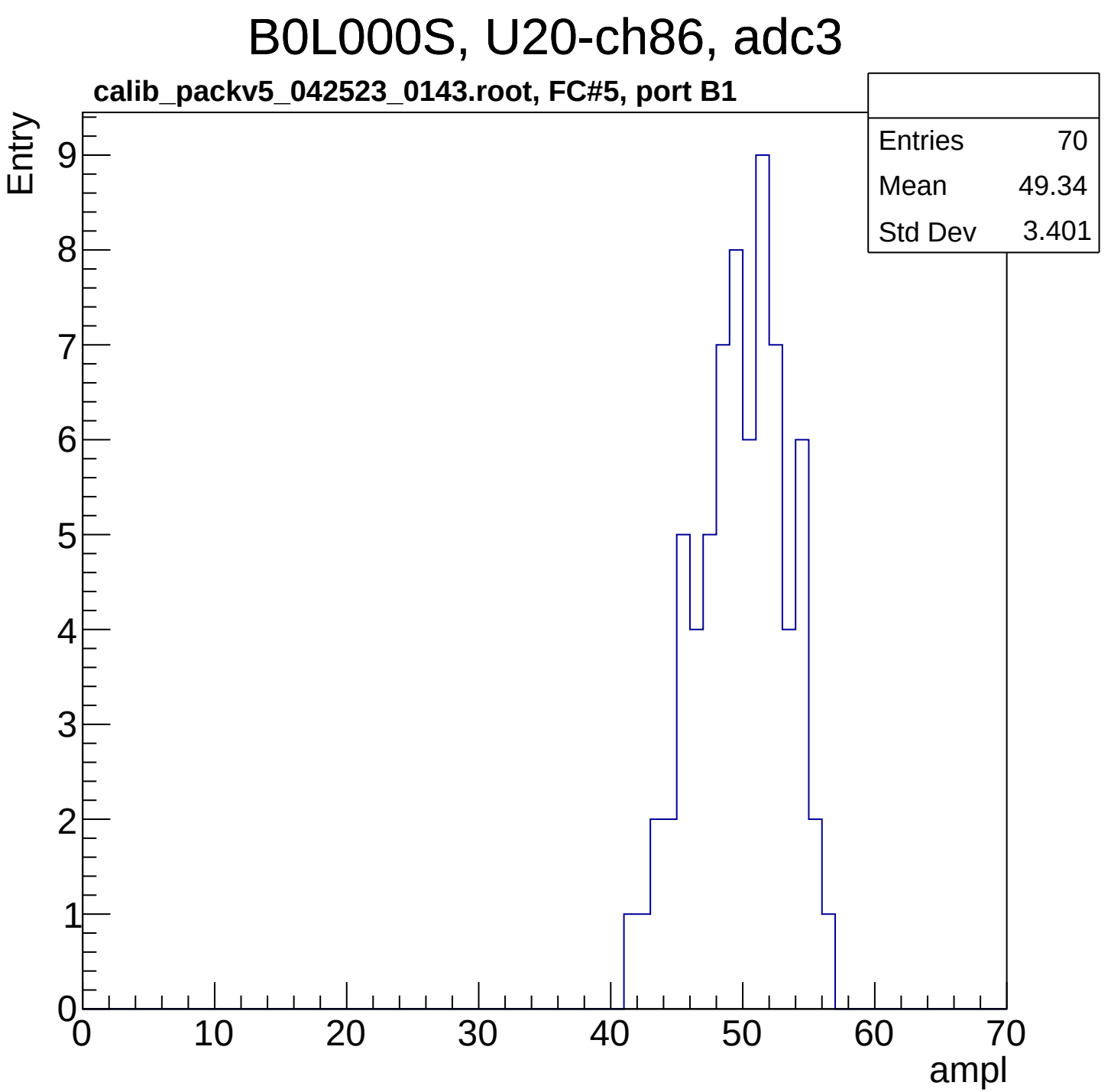
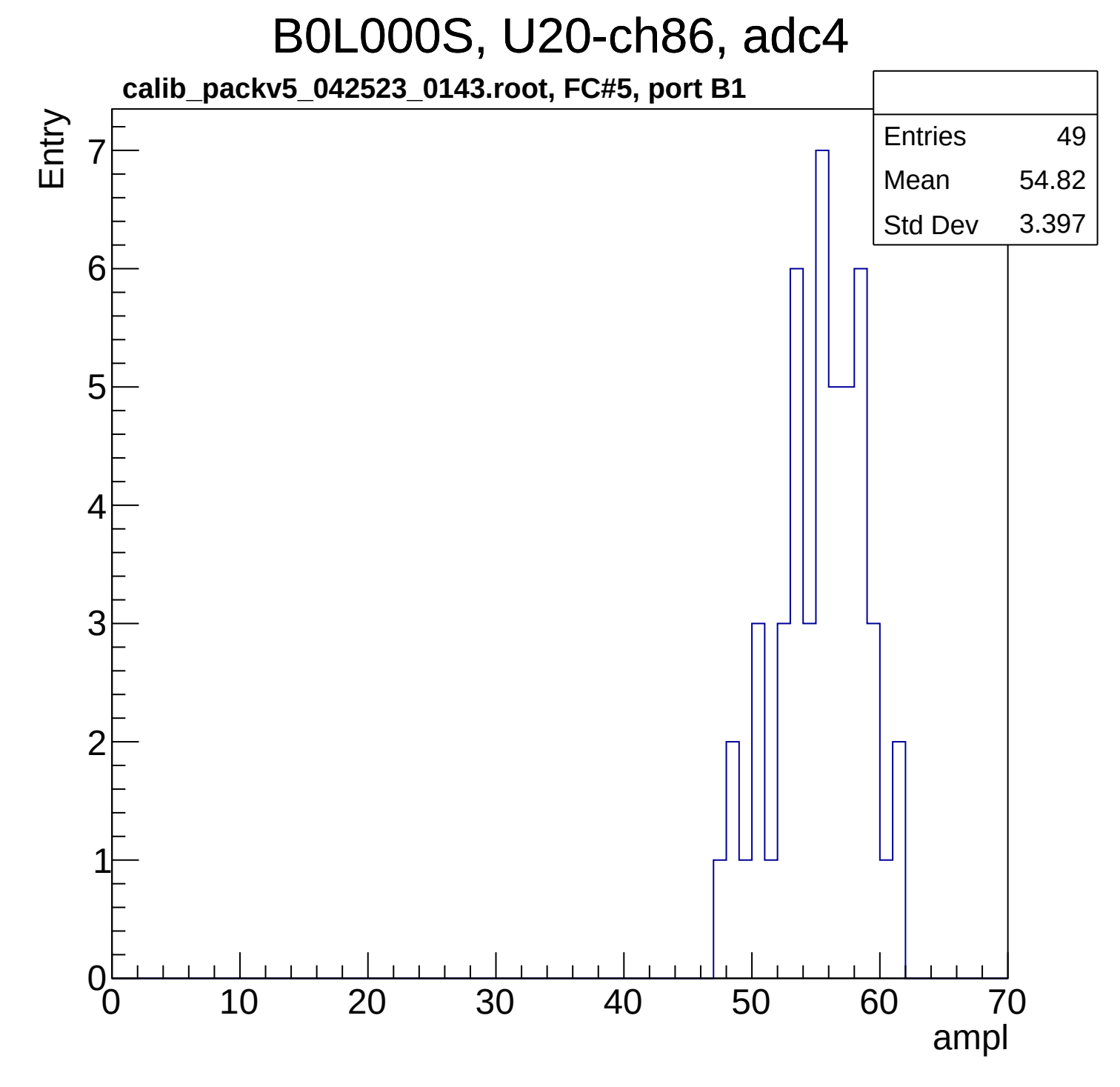
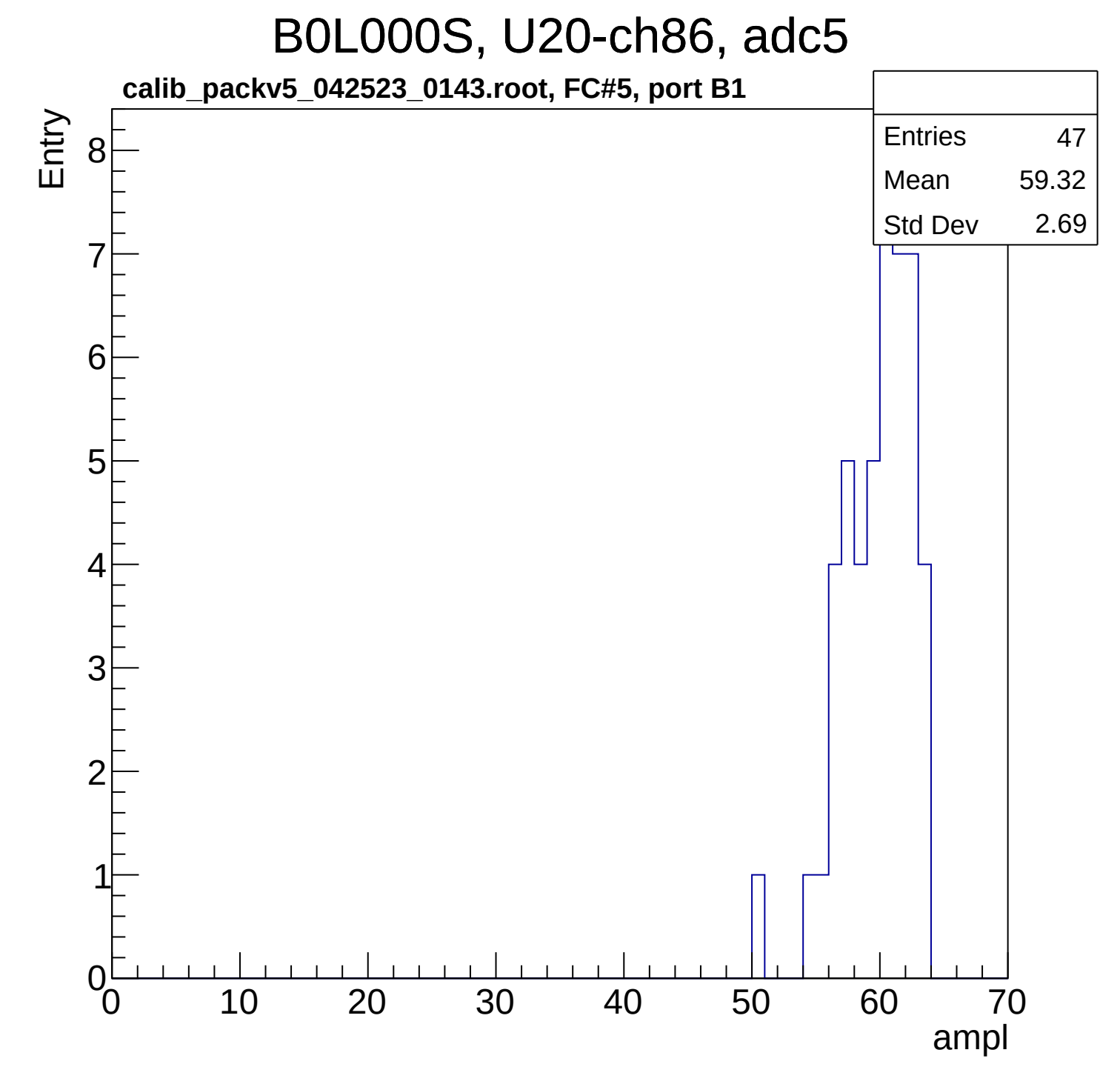

B0L000S, U20-ch86, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 49.34
Std Dev 3.401
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch86, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 54.82
Std Dev 3.397
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch86, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 59.32
Std Dev 2.69
Entry
ampl
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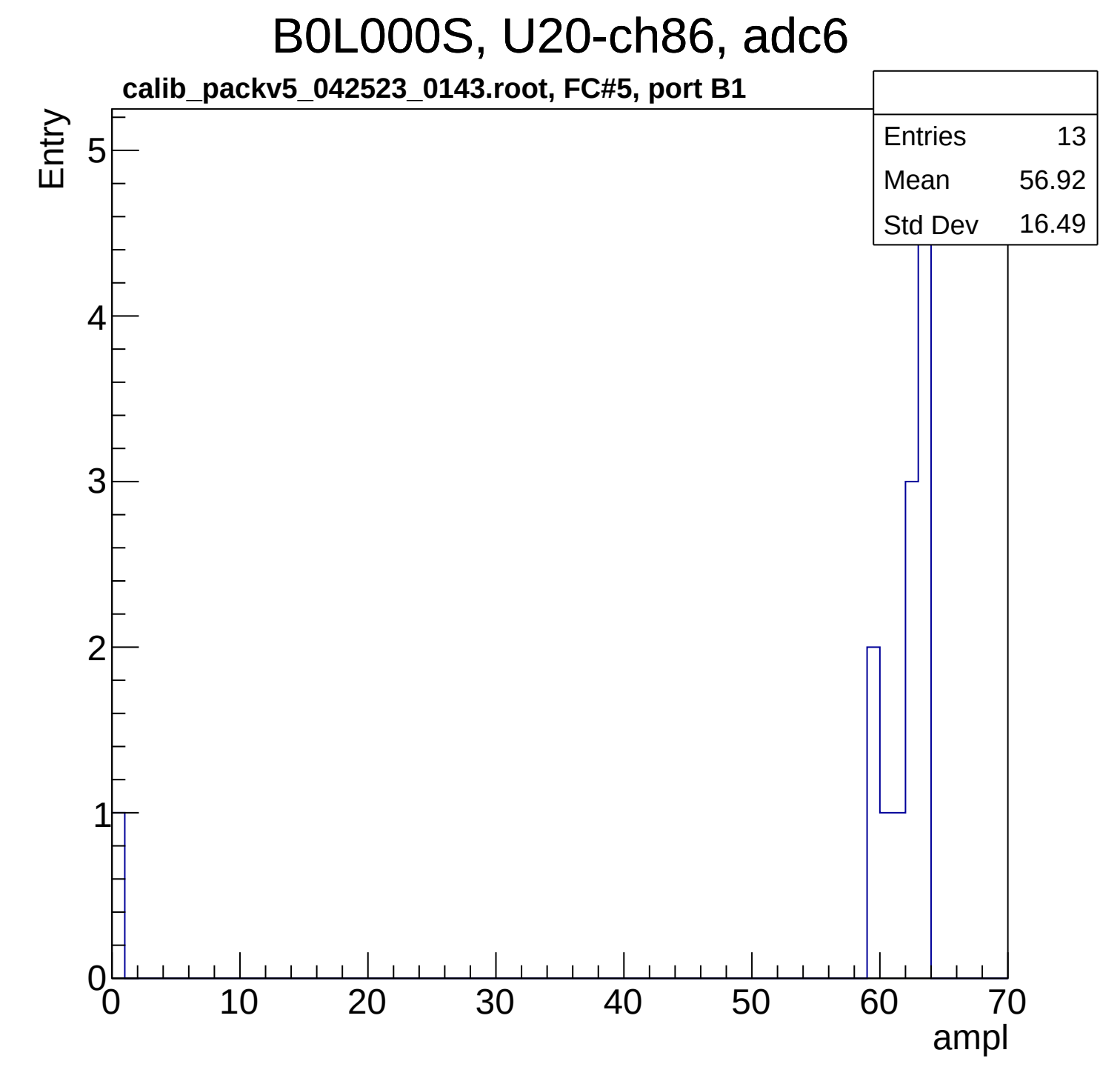
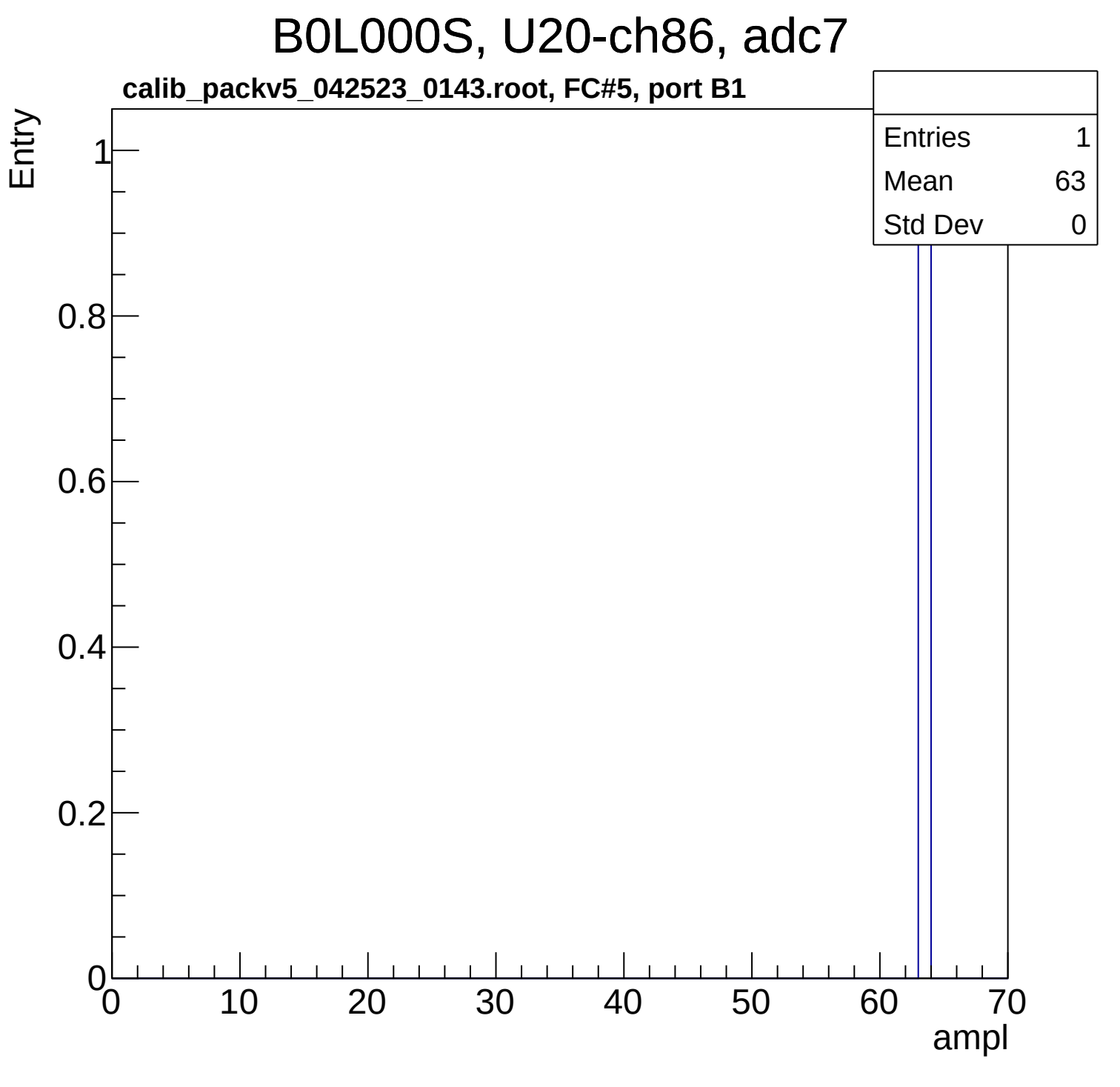
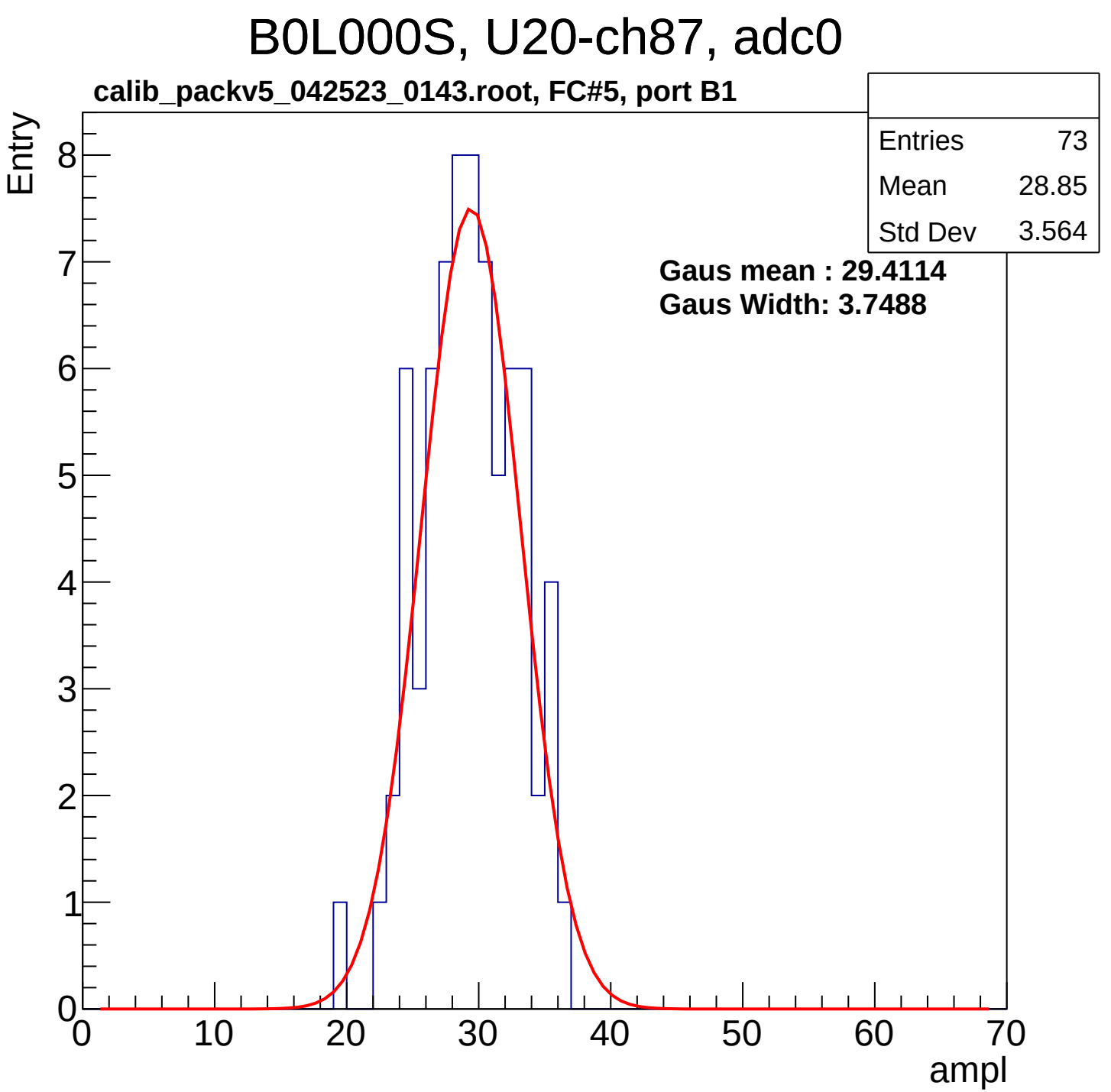
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch86, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 56.92
Std Dev 16.49
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch86, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch87, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 28.85
Std Dev 3.564
Gaus mean : 29.4114
Gaus Width: 3.7488
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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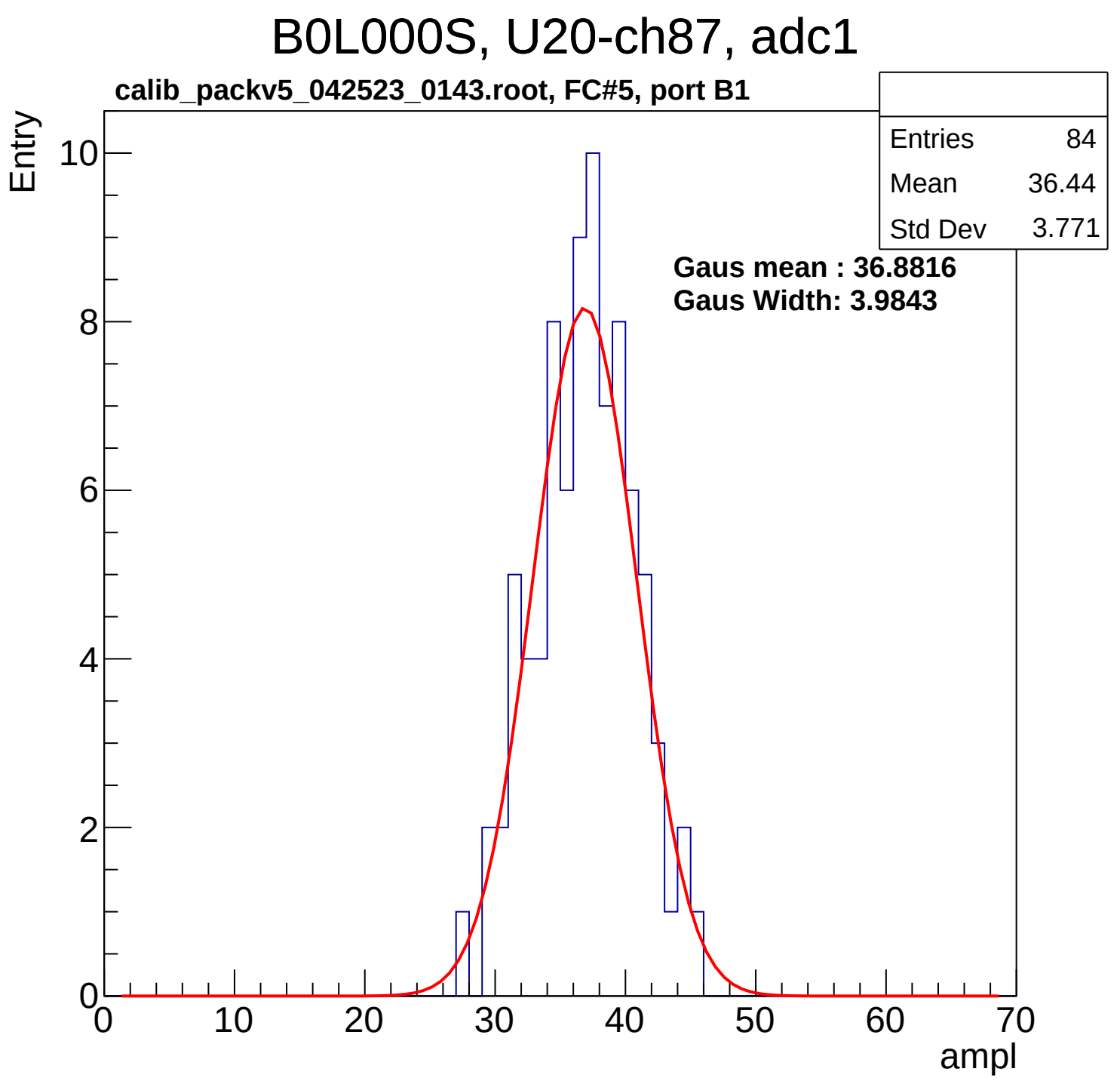
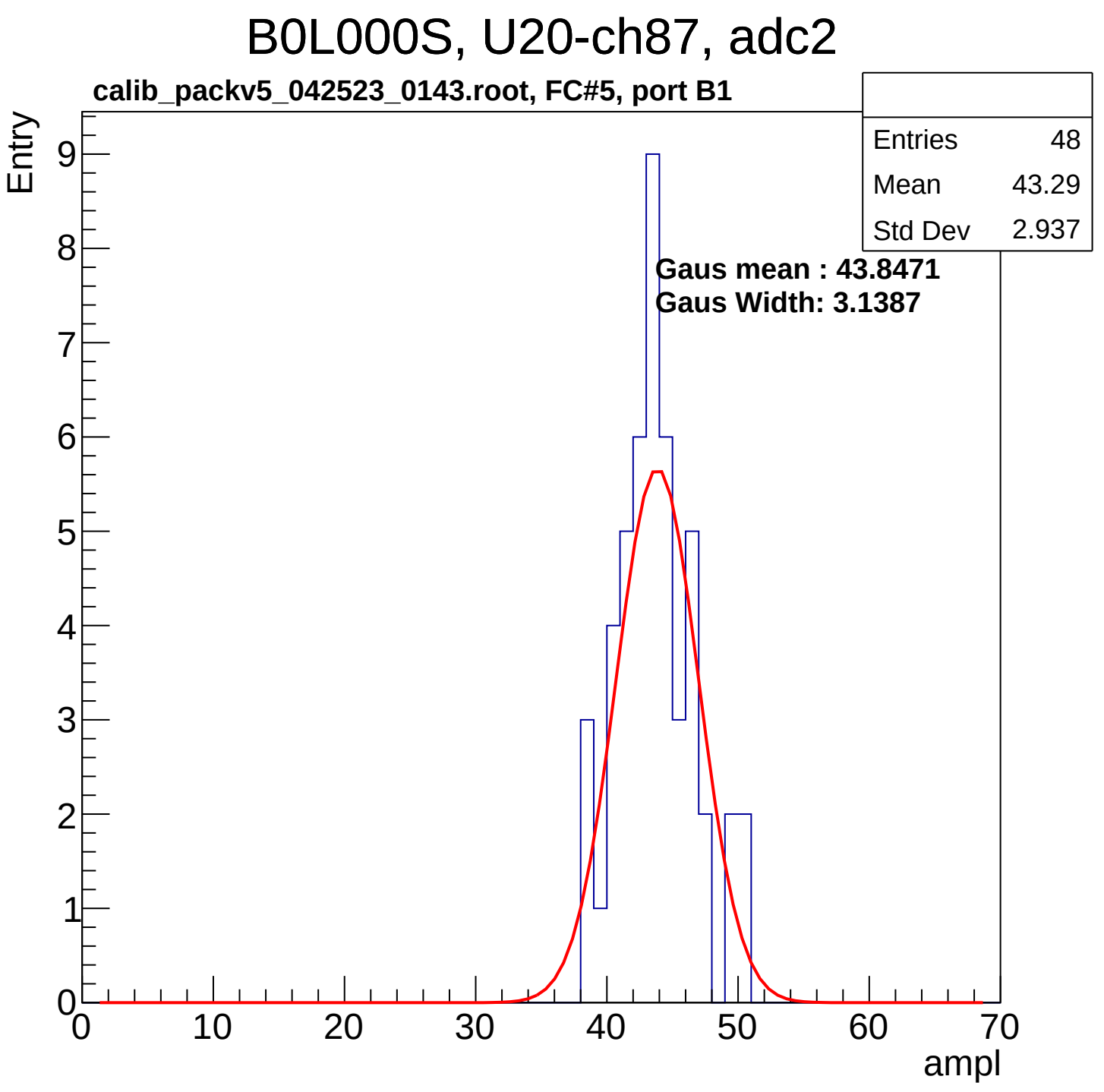
40
50
60
70


B0L000S, U20-ch87, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 36.44
Std Dev 3.771
Gaus mean : 36.8816
Gaus Width: 3.9843
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch87, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 43.29
Std Dev 2.937
Gaus mean : 43.8471
Gaus Width: 3.1387
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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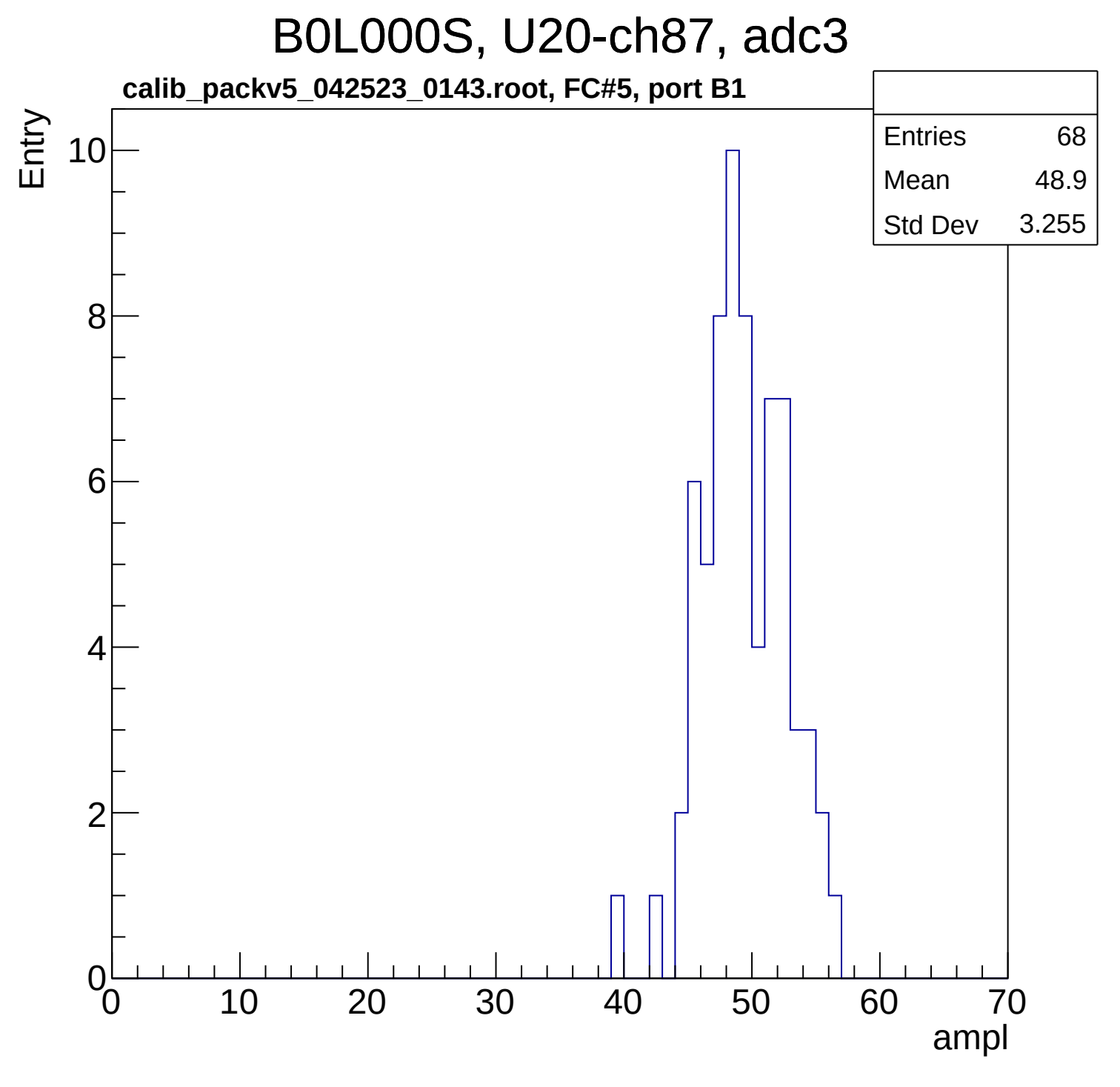
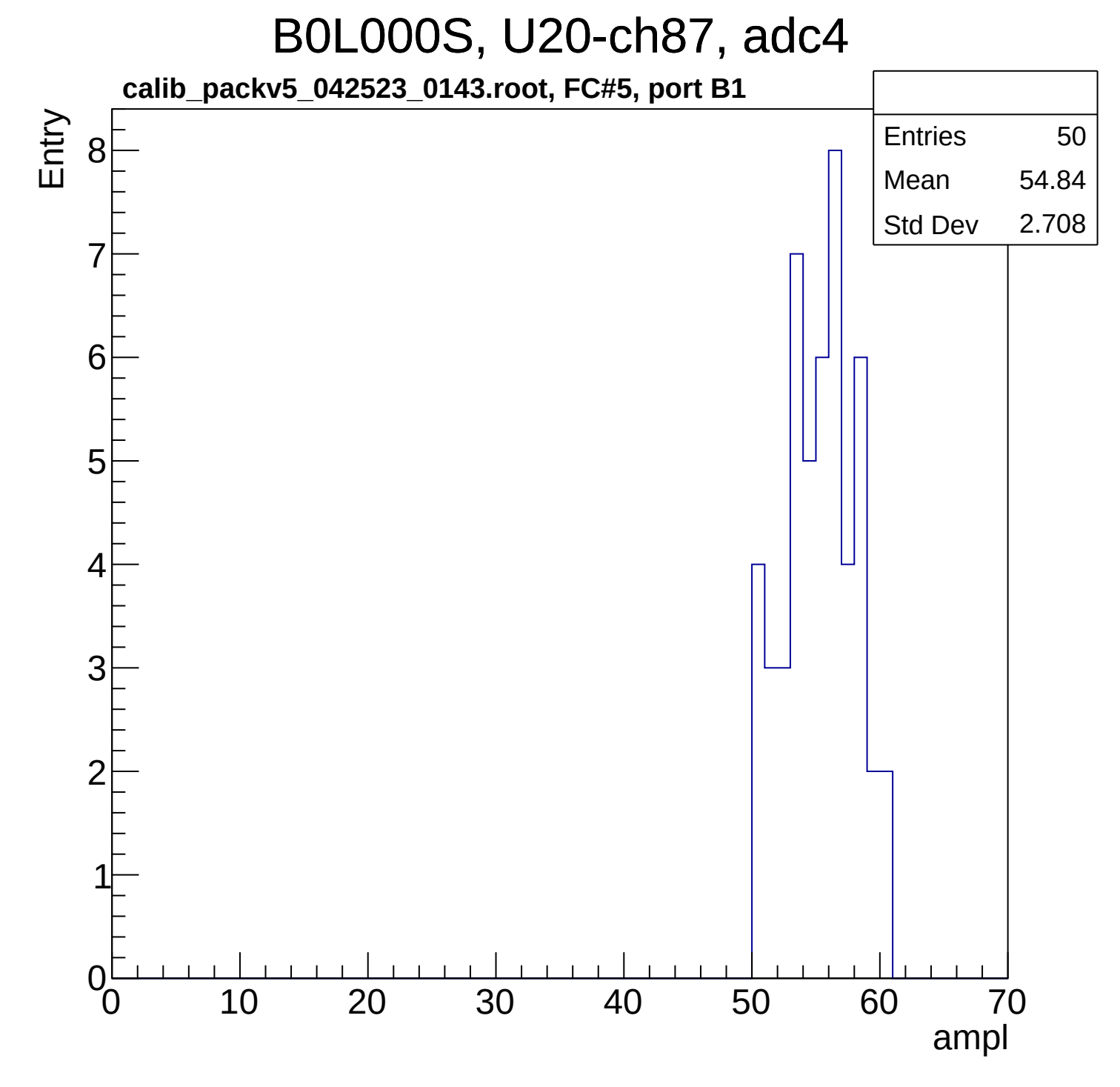

B0L000S, U20-ch87, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 48.9
Std Dev 3.255
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch87, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 54.84
Std Dev 2.708
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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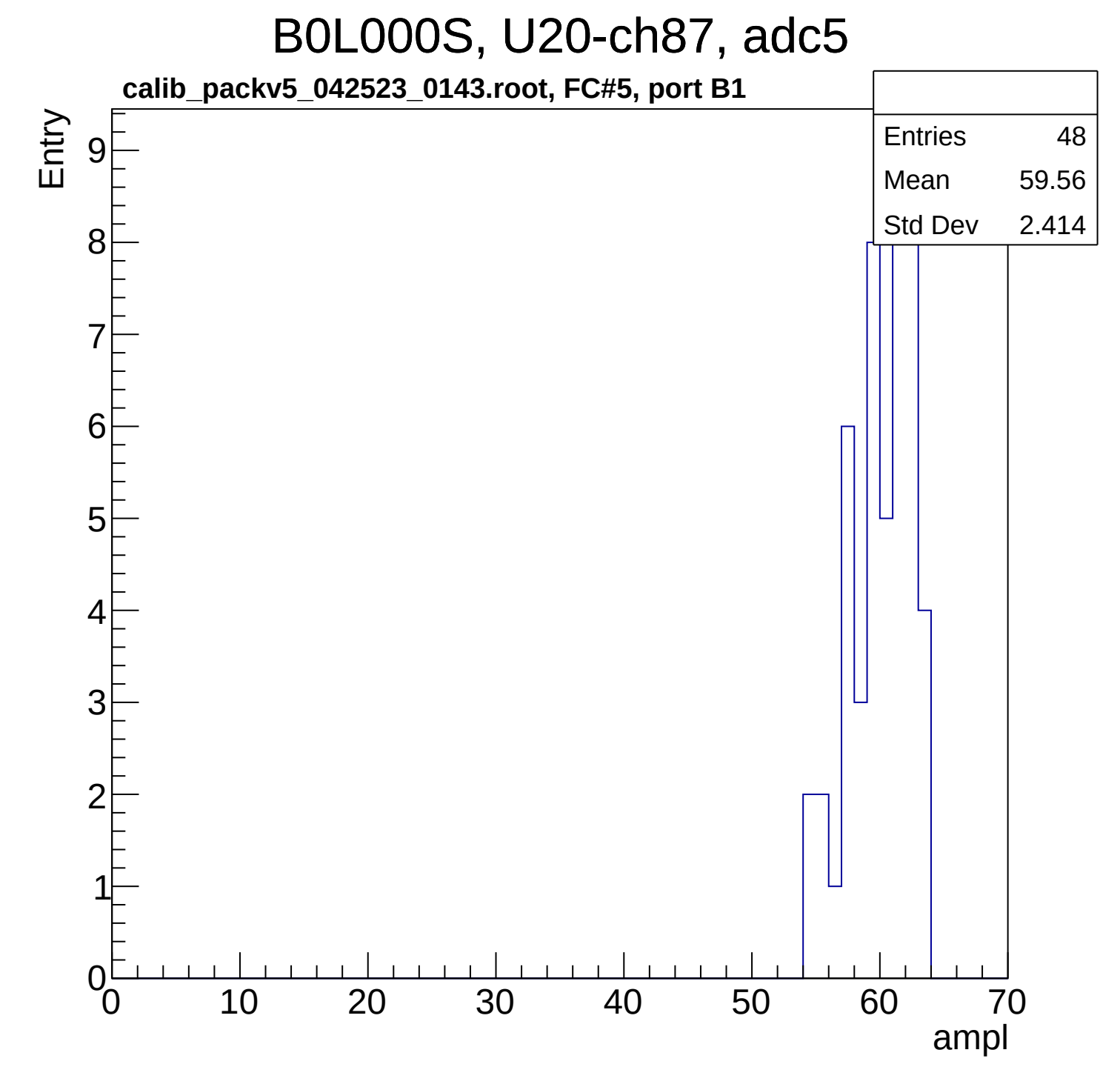
B0L000S, U20-ch87, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 59.56
Std Dev 2.414
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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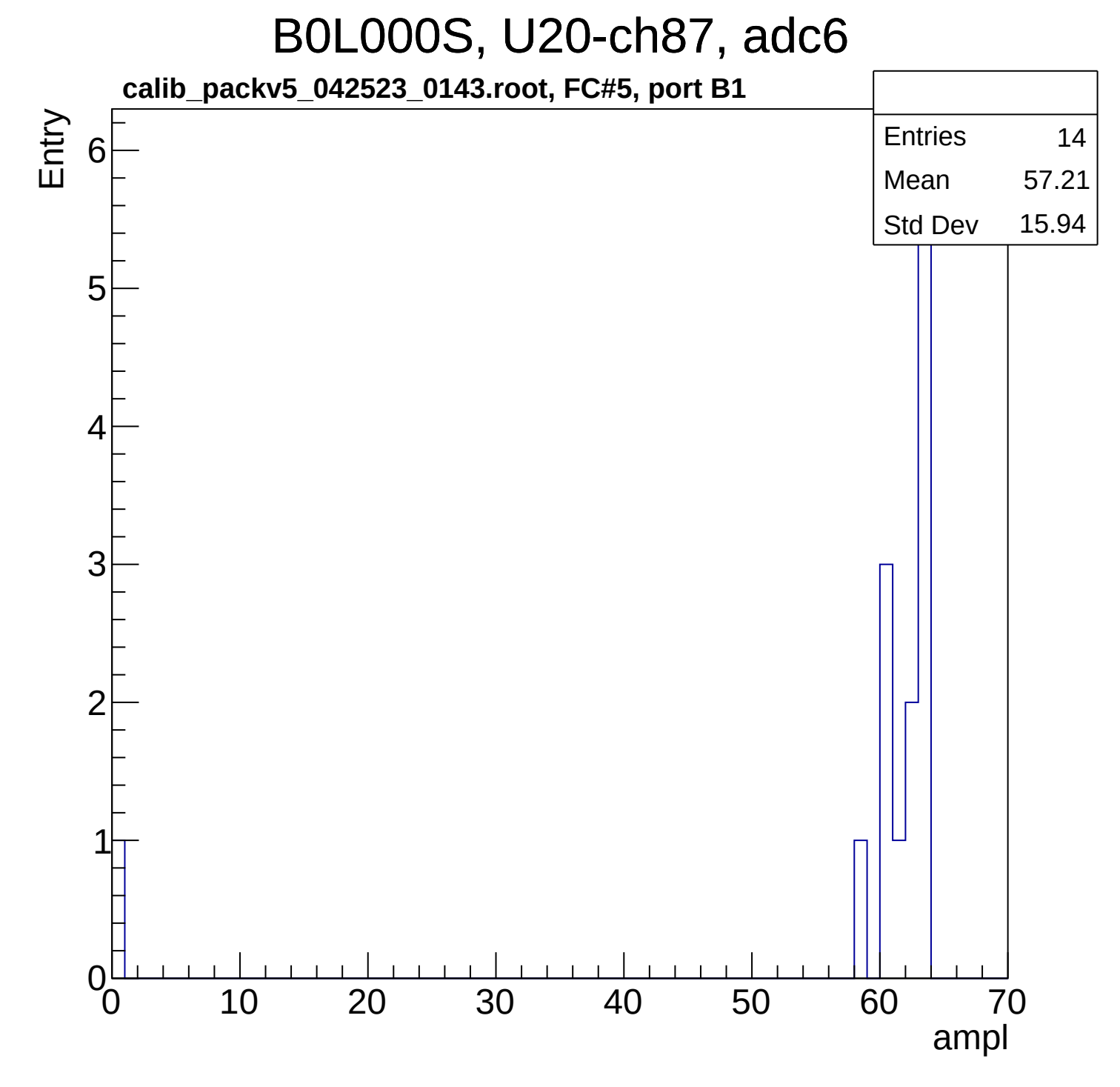
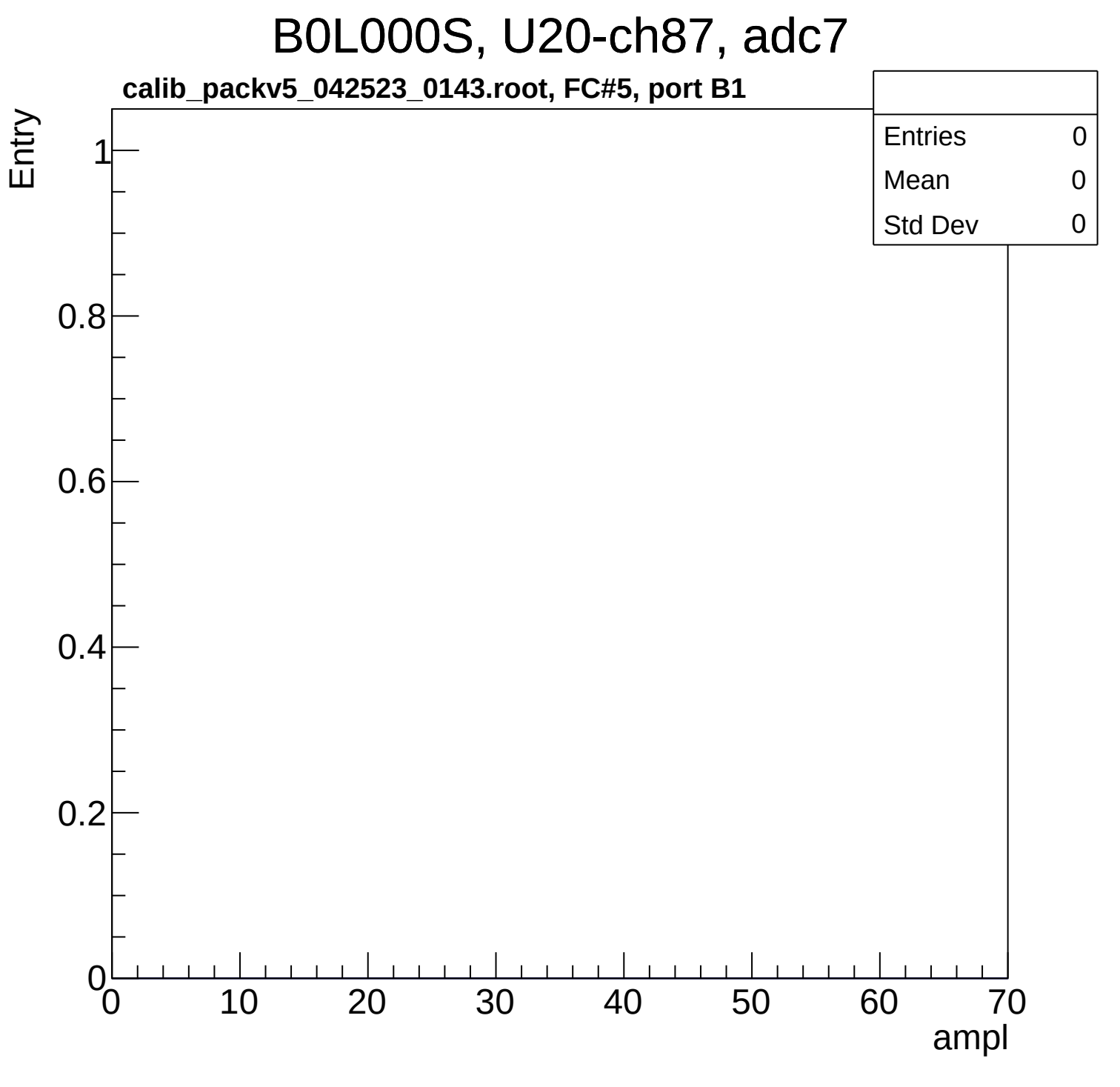

B0L000S, U20-ch87, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 14
Mean 57.21
Std Dev 15.94
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L000S, U20-ch87, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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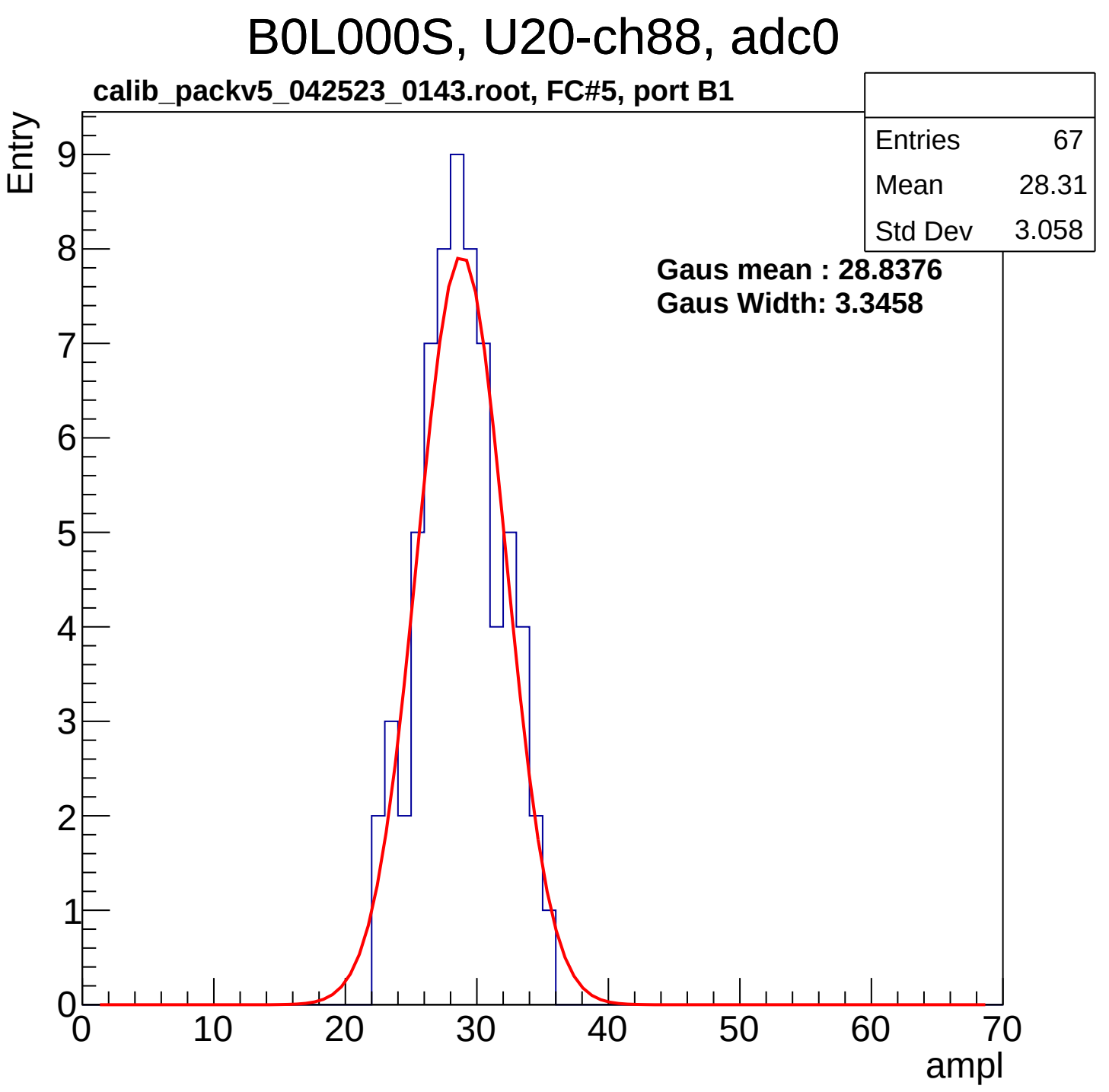
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch88, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 28.31
Std Dev 3.058
Gaus mean : 28.8376
Gaus Width: 3.3458
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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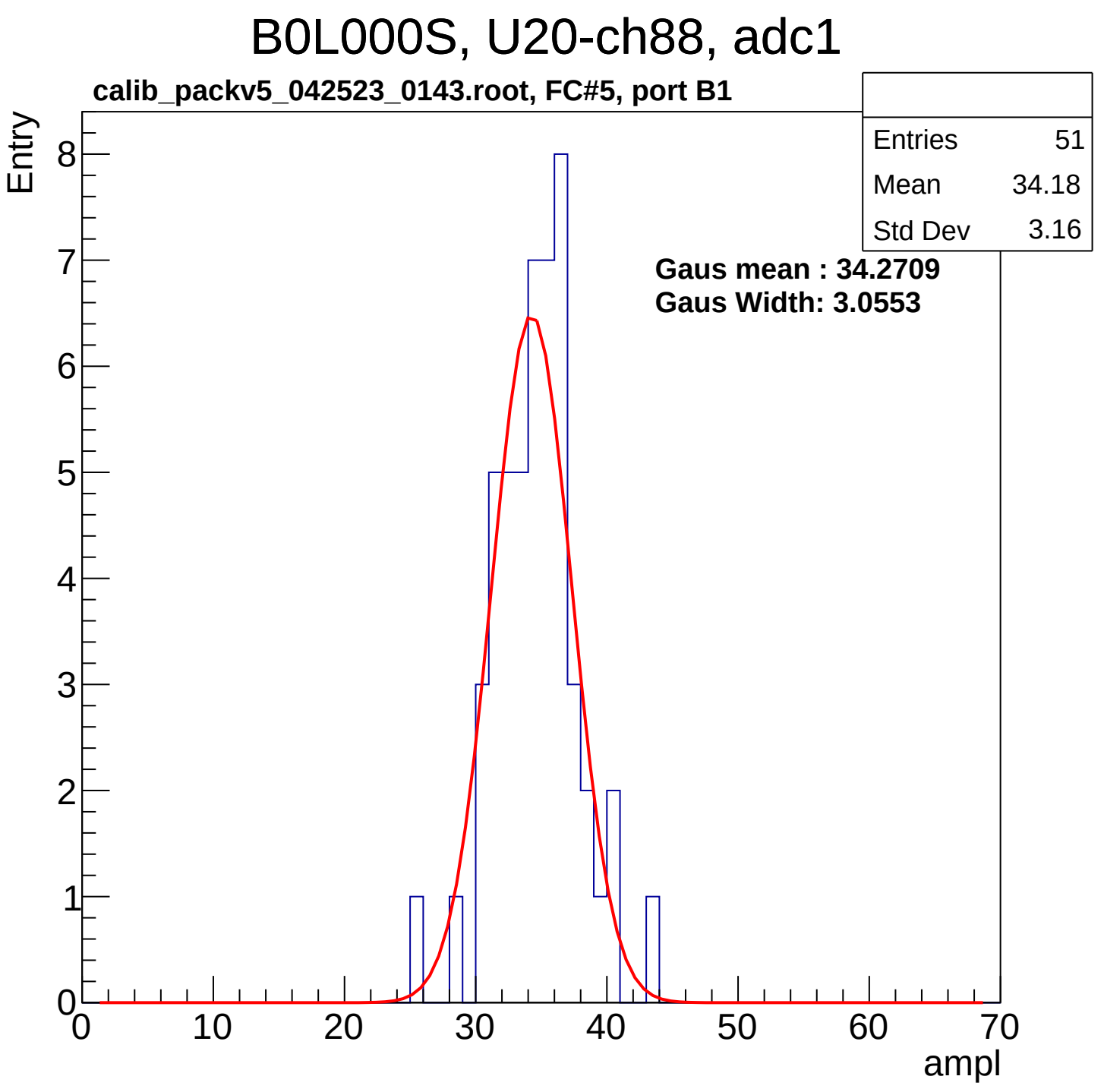
B0L000S, U20-ch88, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 34.18
Std Dev 3.16
Gaus mean : 34.2709
Gaus Width: 3.0553
Entry
ampl
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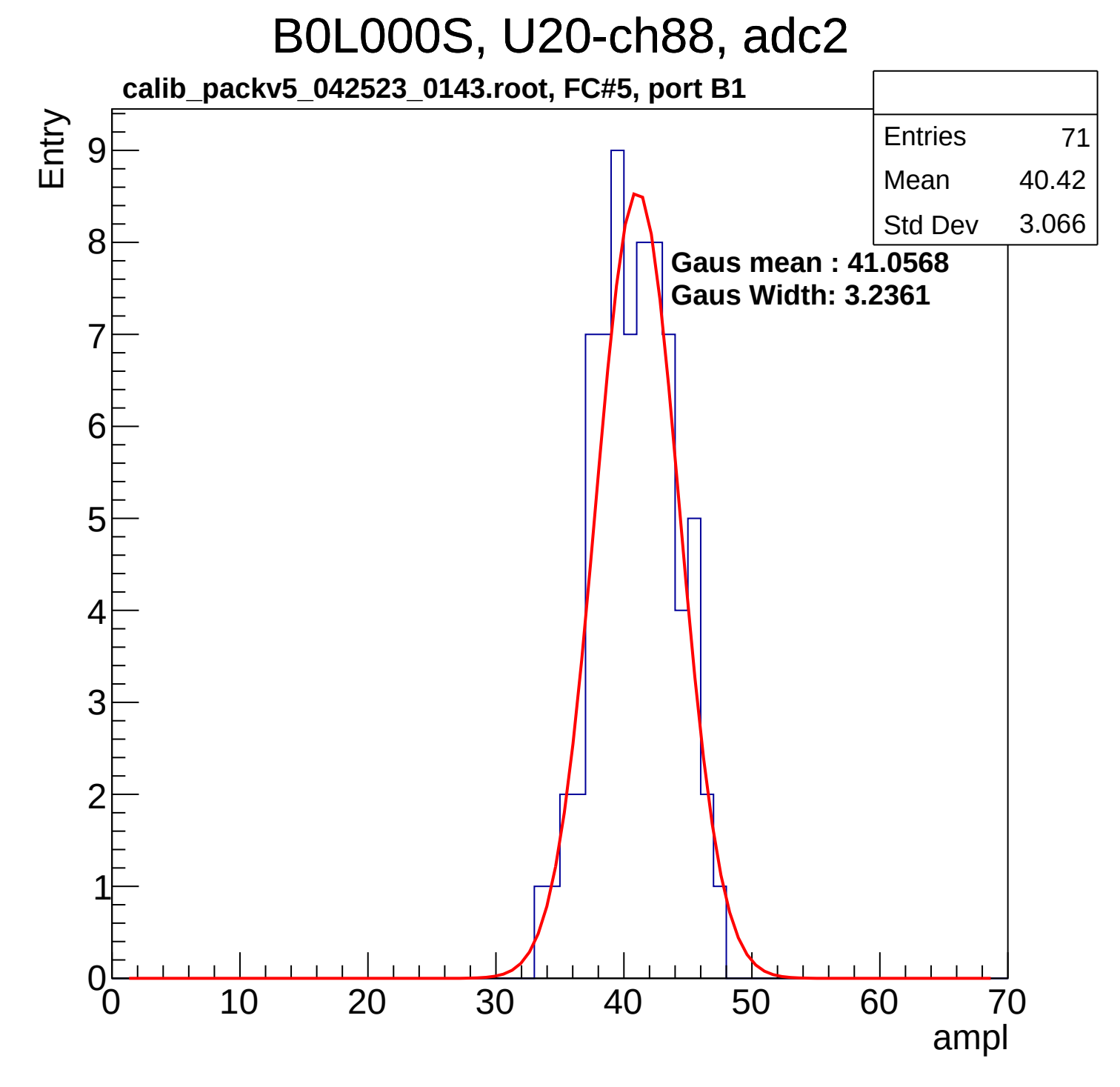
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch88, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 40.42
Std Dev 3.066
Gaus mean : 41.0568
Gaus Width: 3.2361
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
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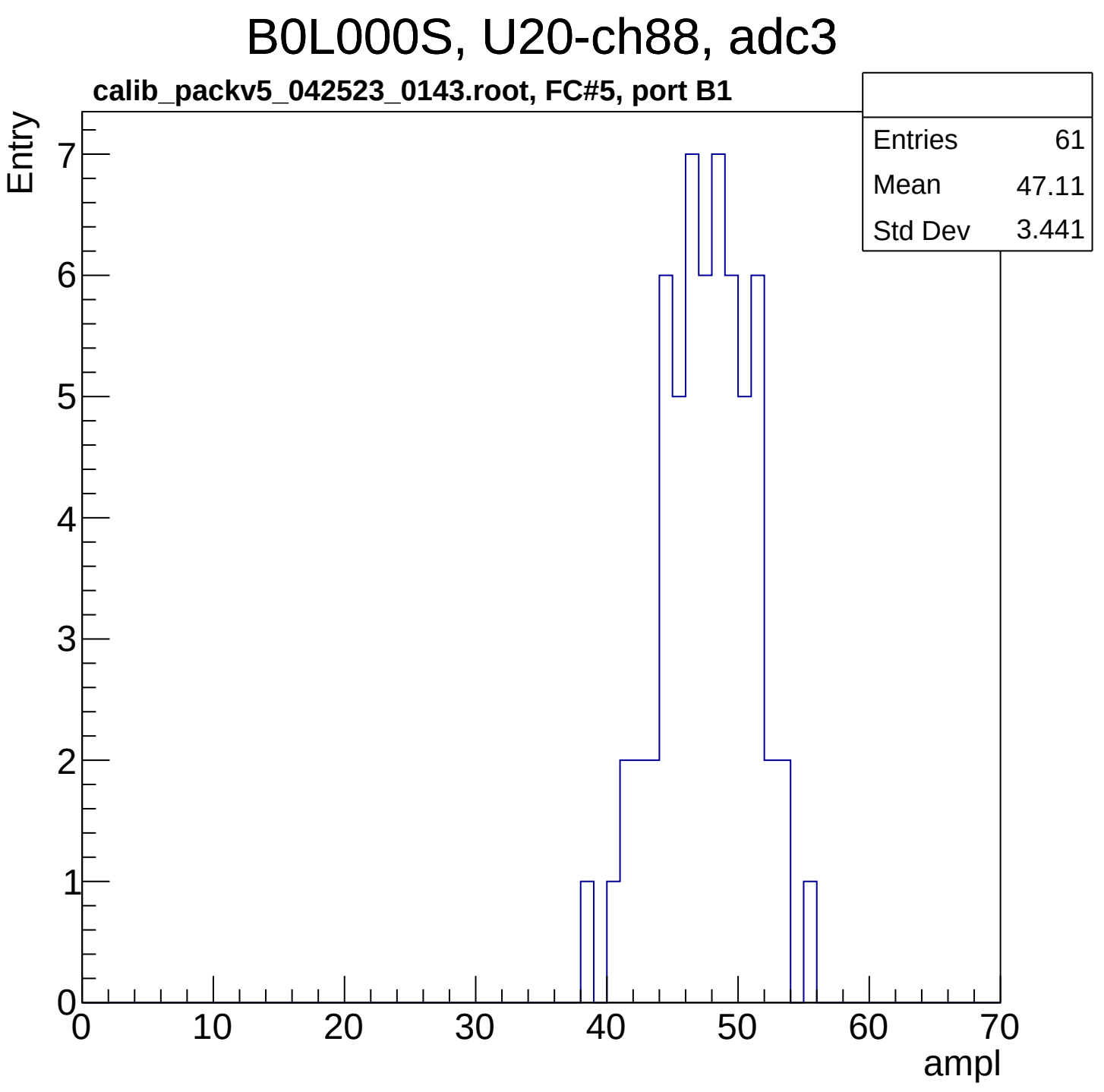
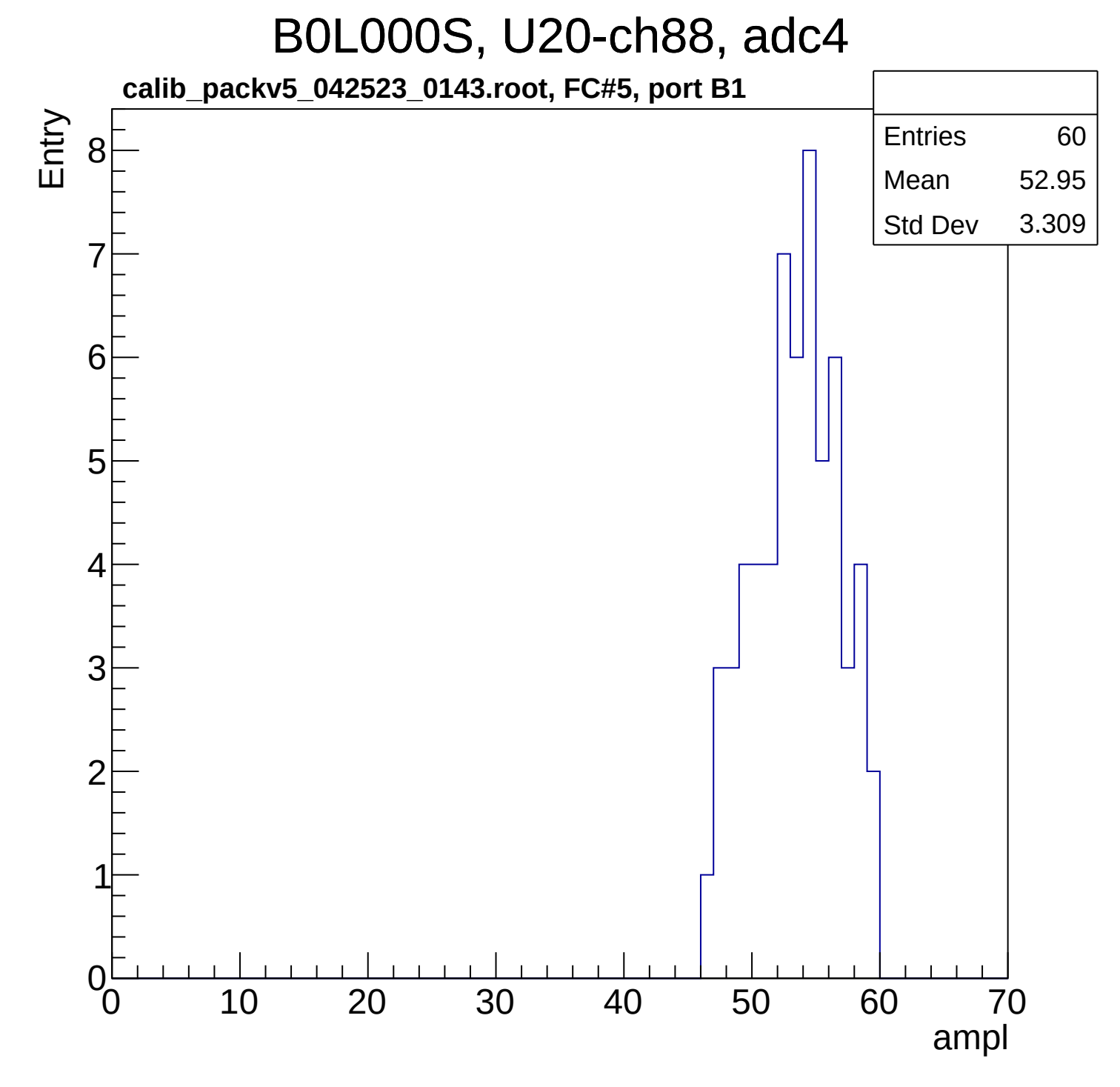
30
40
50
60
70


B0L000S, U20-ch88, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 47.11
Std Dev 3.441
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch88, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 52.95
Std Dev 3.309
Entry
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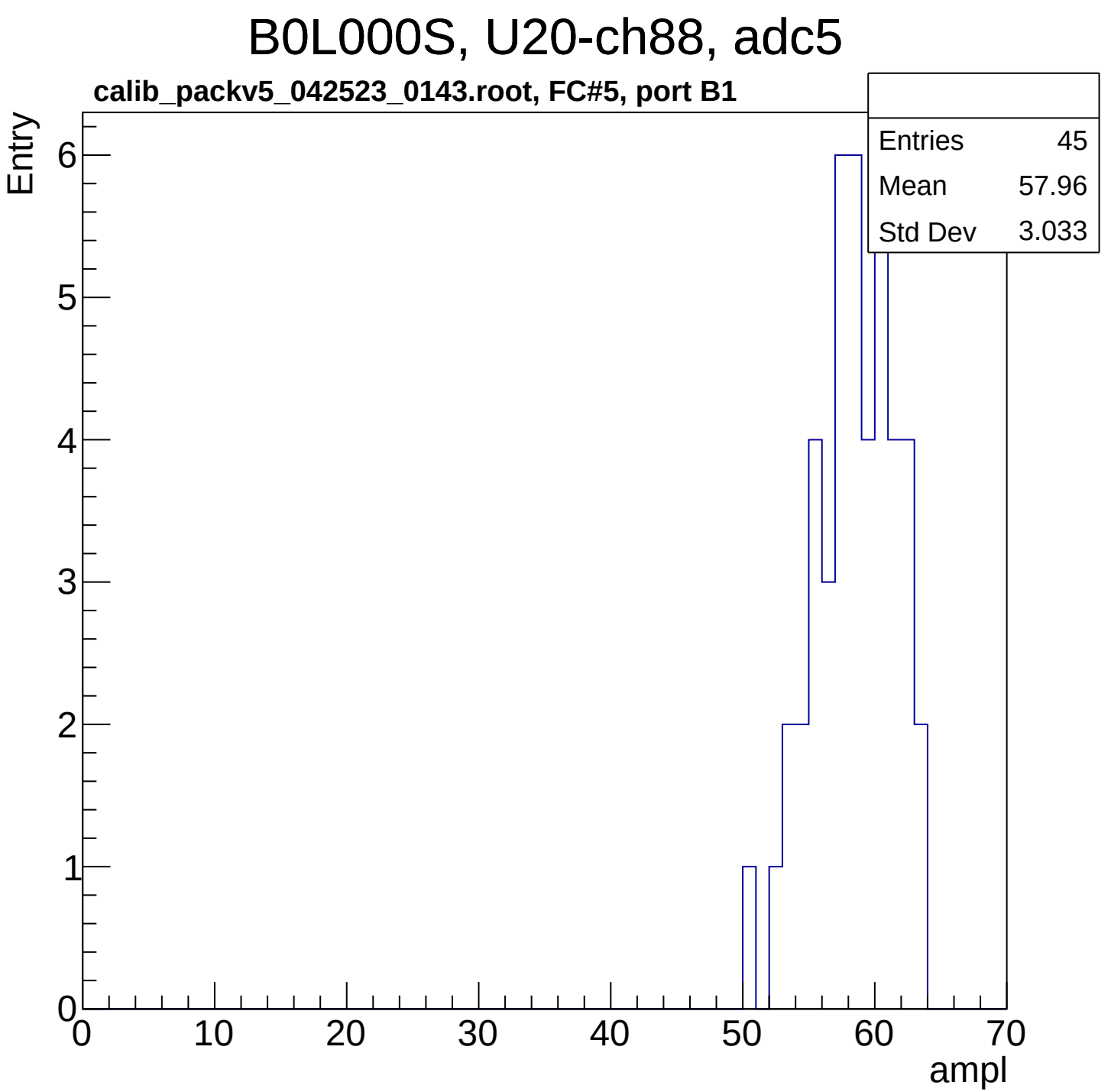
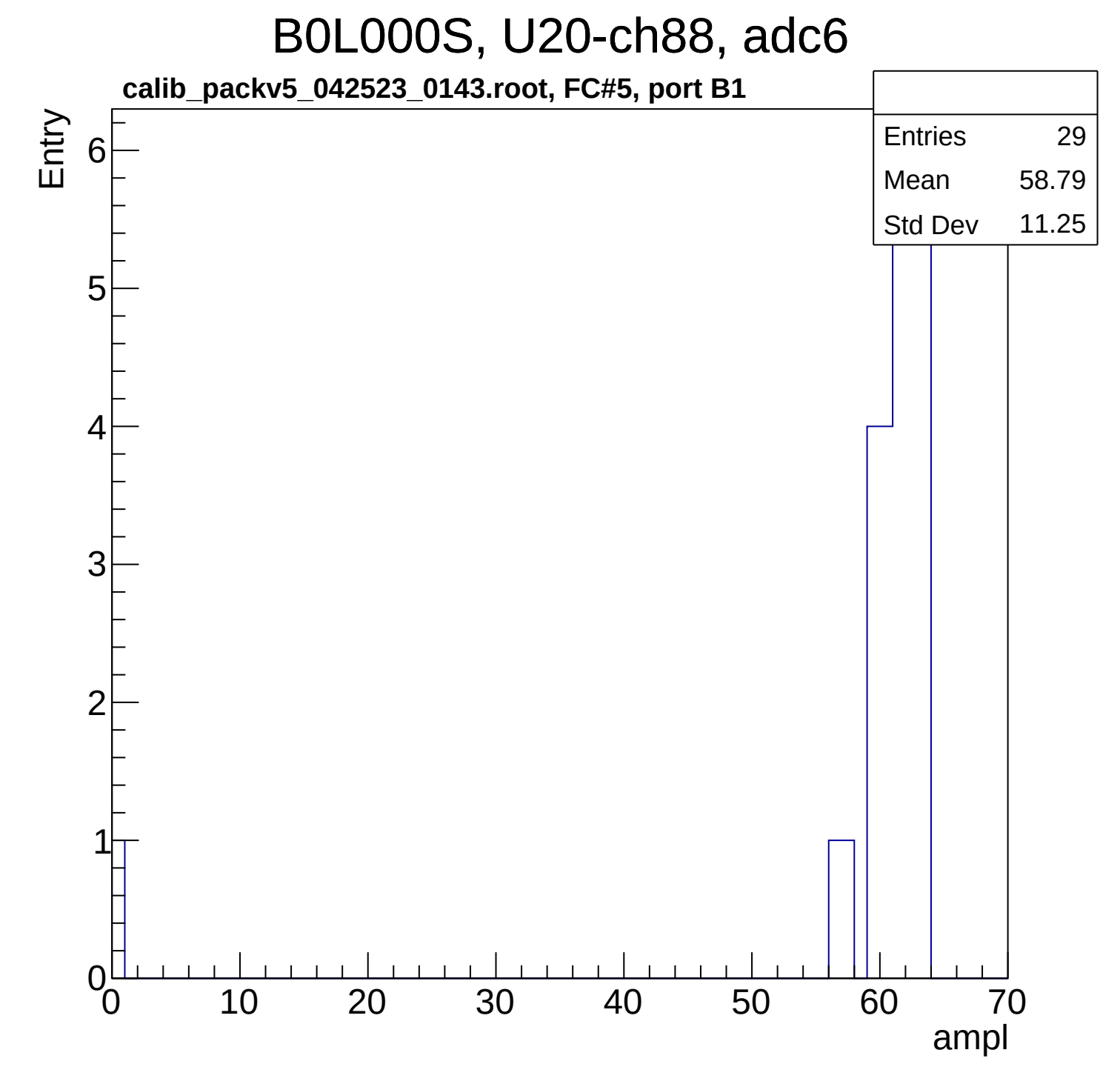
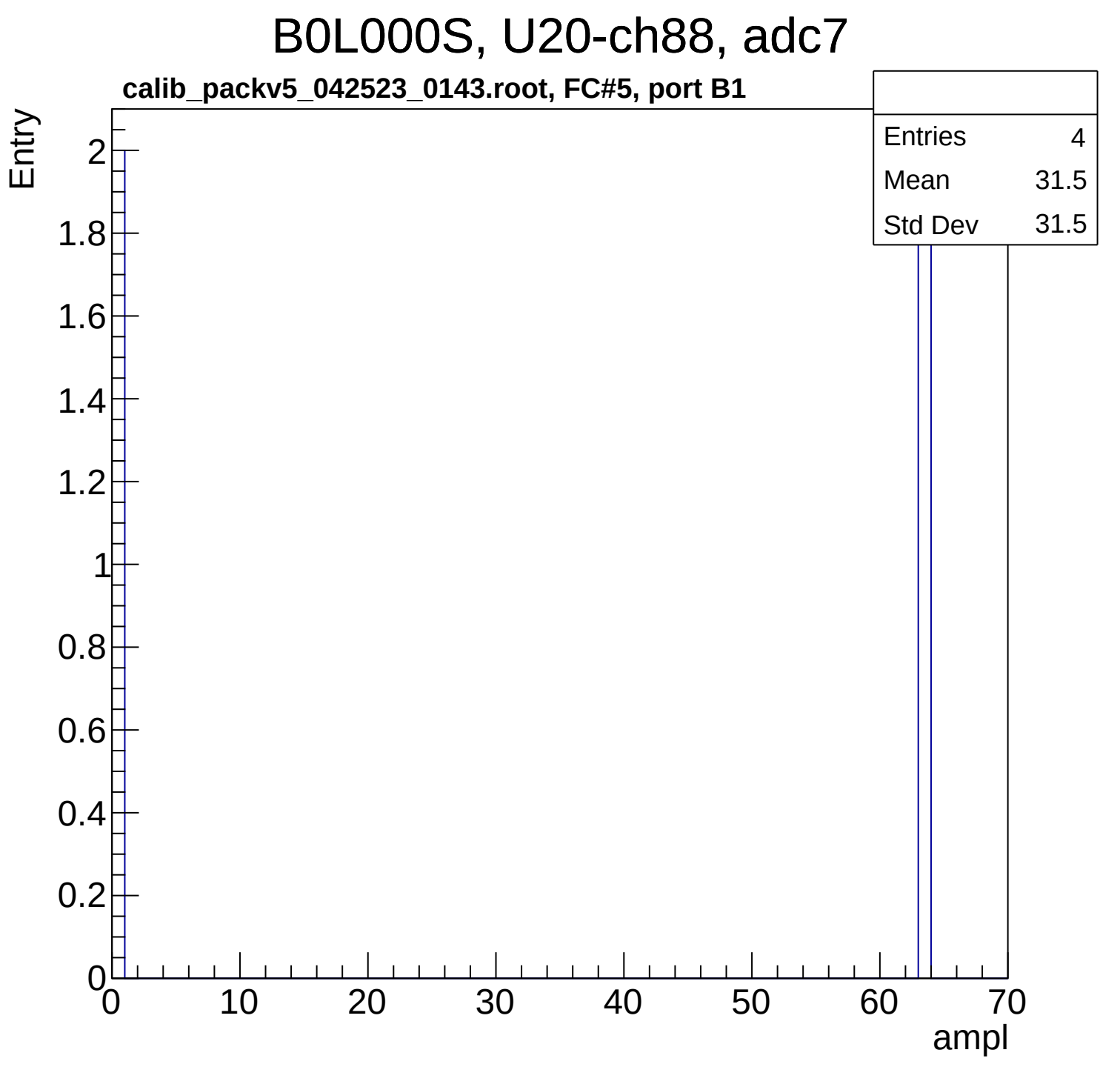
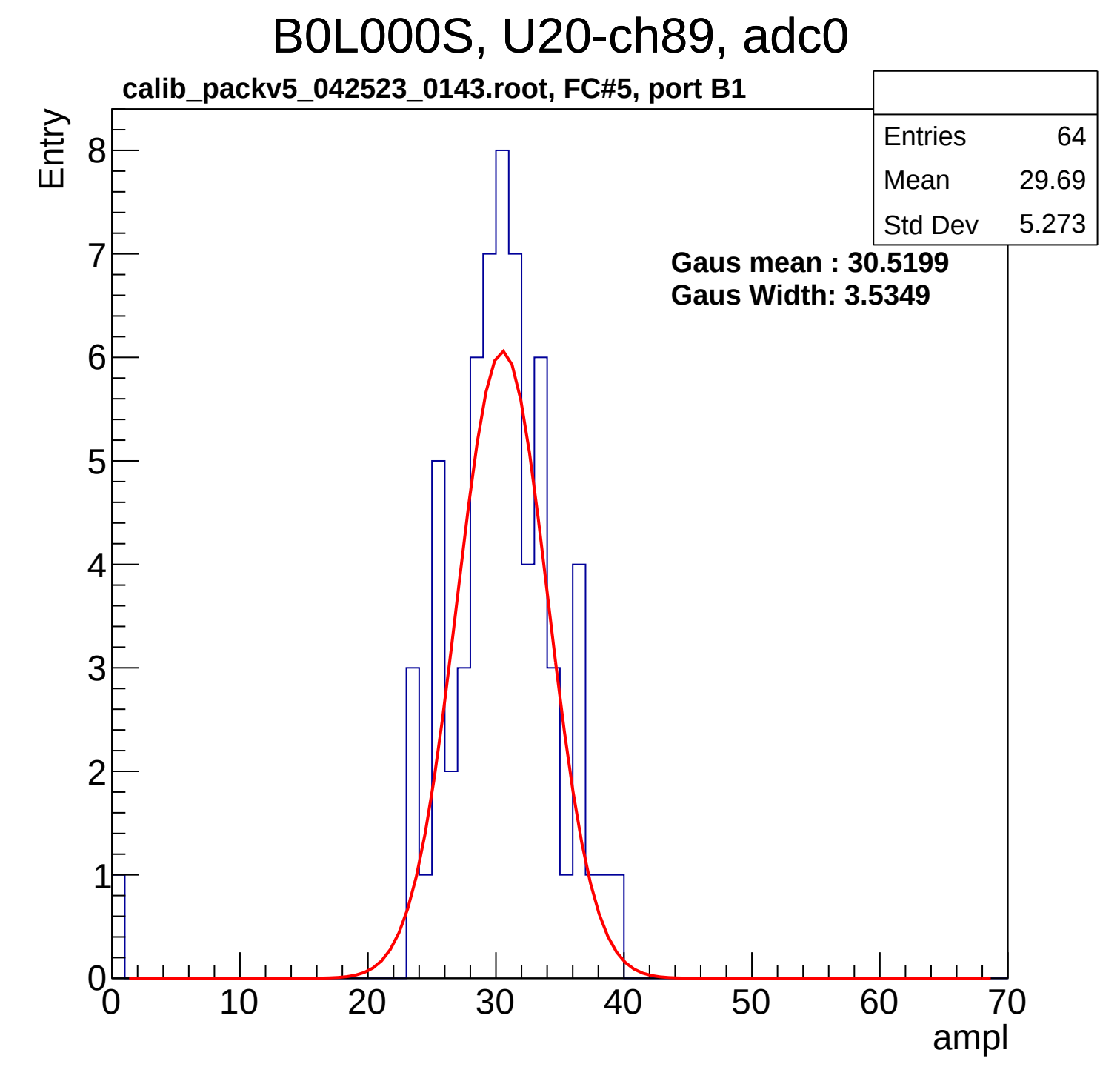
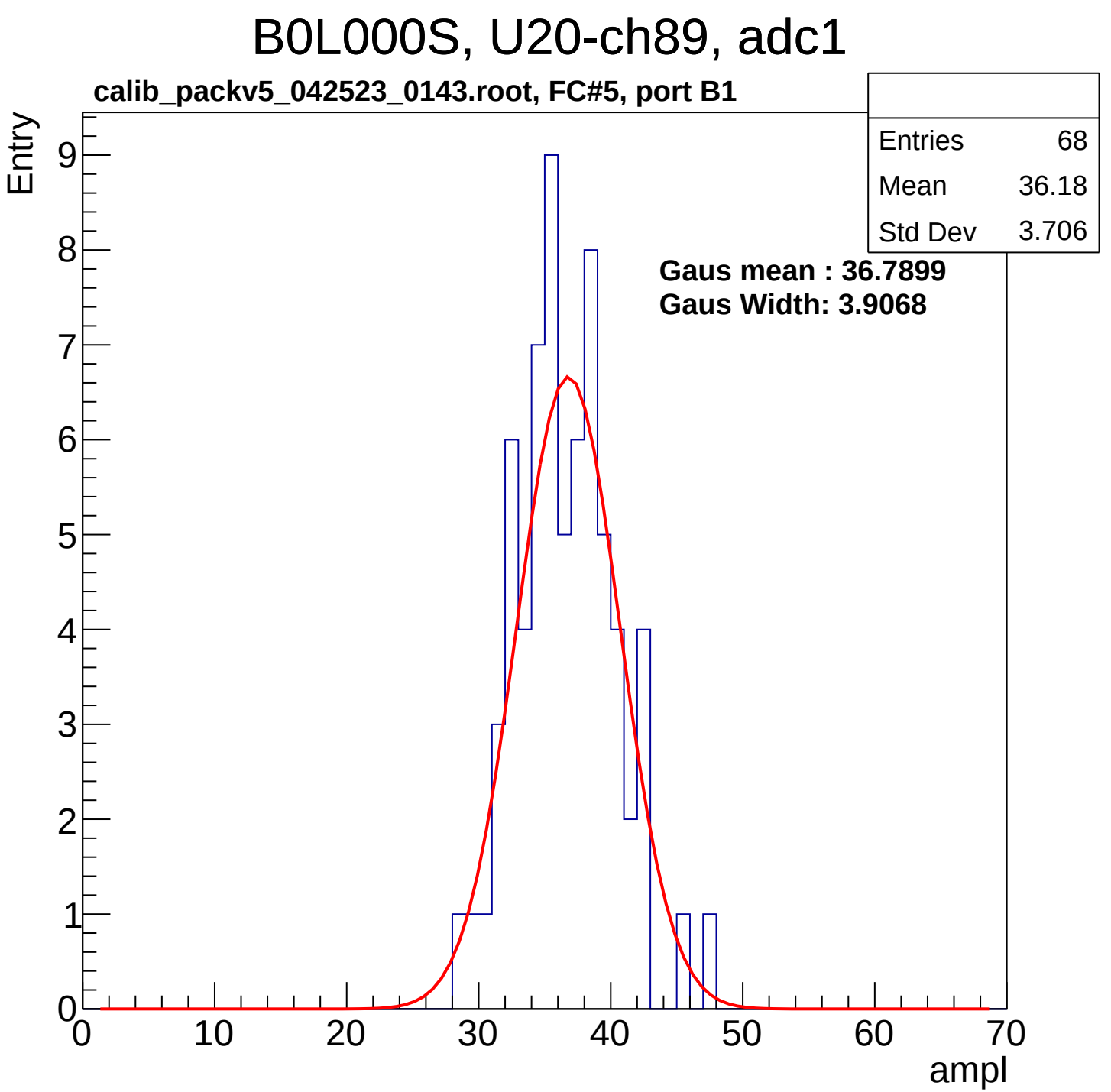
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch88, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 57.96
Std Dev 3.033
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch88, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 29
Mean 58.79
Std Dev 11.25
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch88, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 31.5
Std Dev 31.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch89, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 29.69
Std Dev 5.273
Gaus mean : 30.5199
Gaus Width: 3.5349
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch89, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 36.18
Std Dev 3.706
Gaus mean : 36.7899
Gaus Width: 3.9068
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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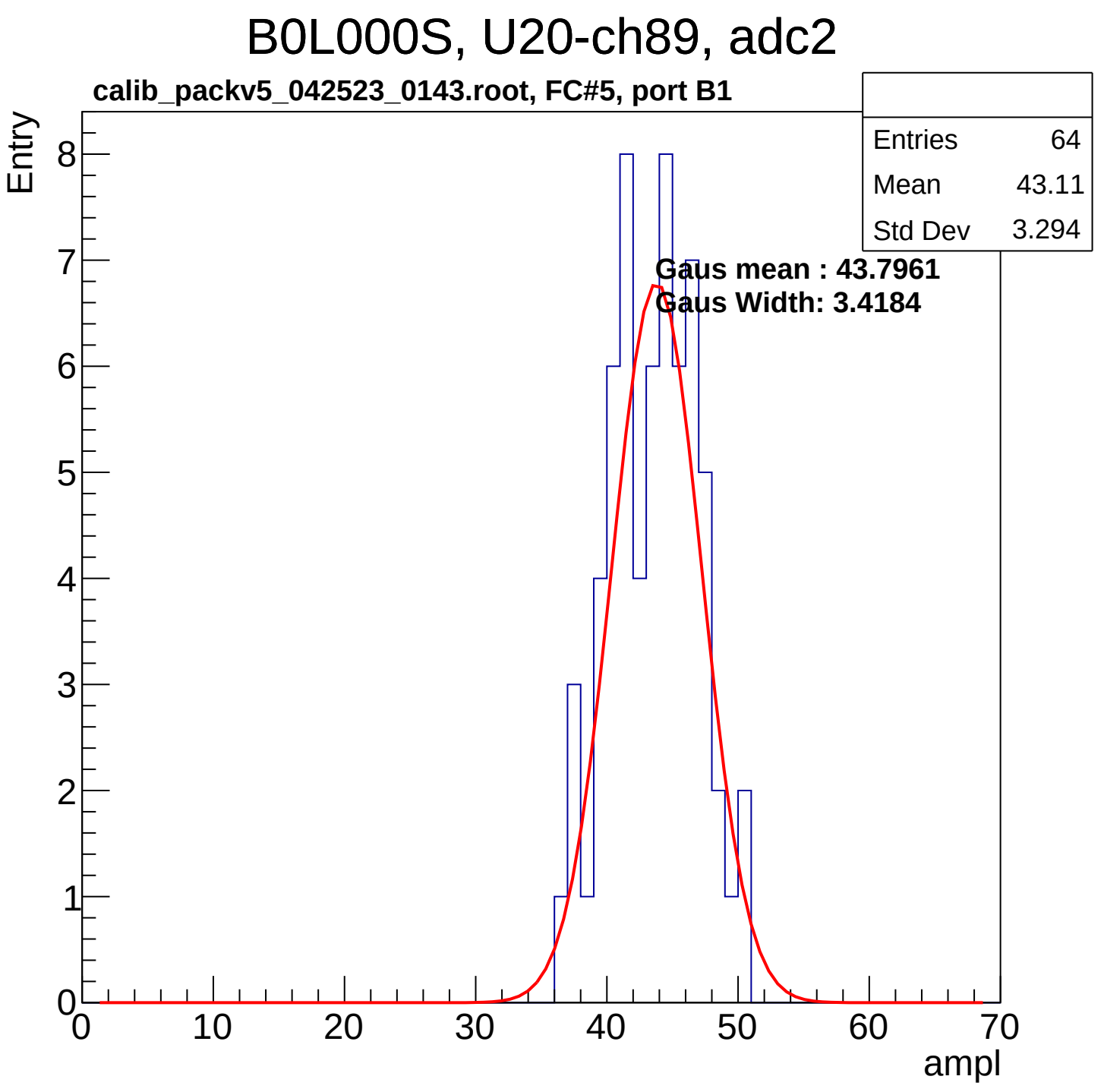
B0L000S, U20-ch89, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 43.11
Std Dev 3.294
Gaus mean : 43.7961
Gaus Width: 3.4184
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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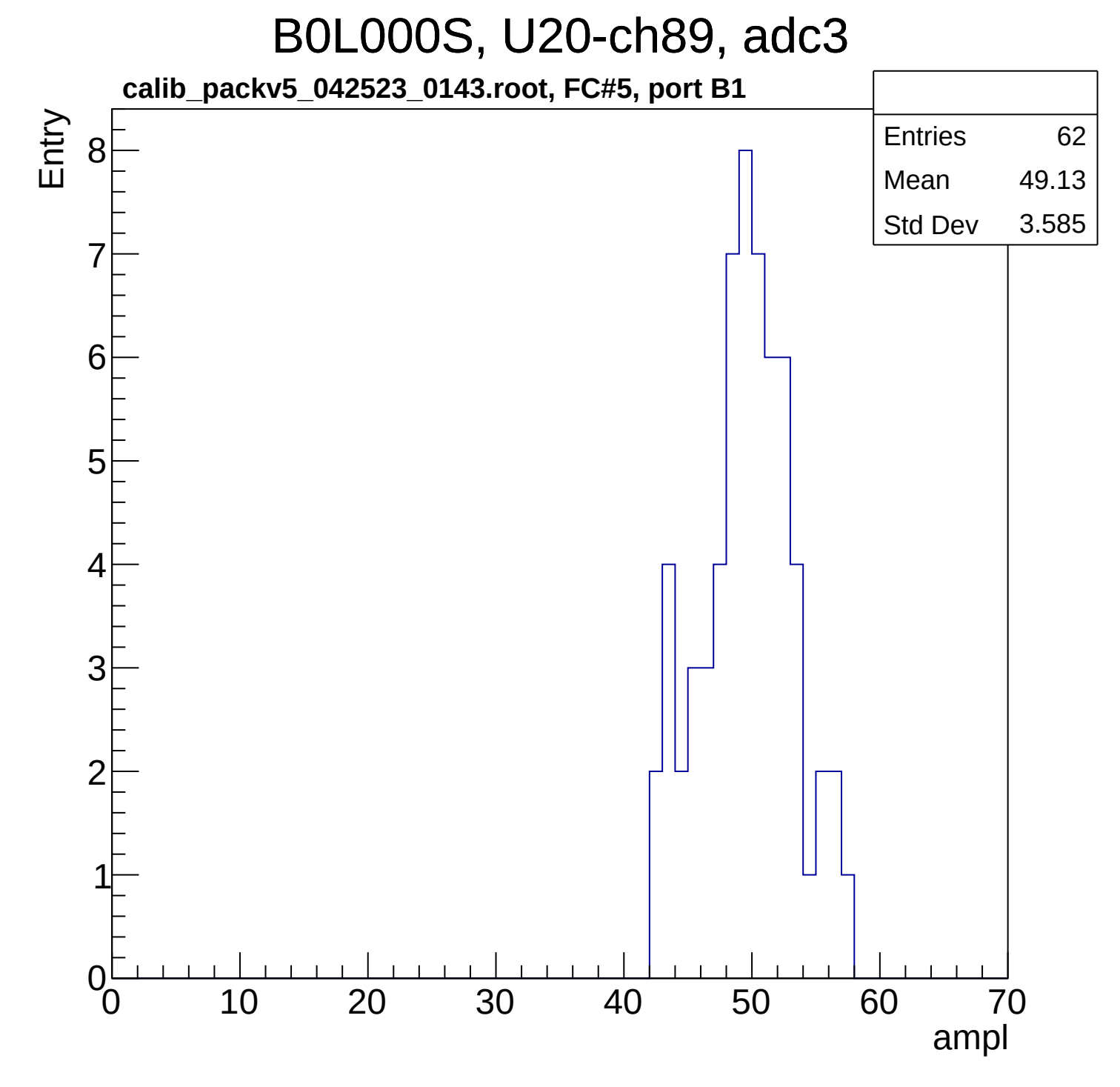
B0L000S, U20-ch89, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 49.13
Std Dev 3.585
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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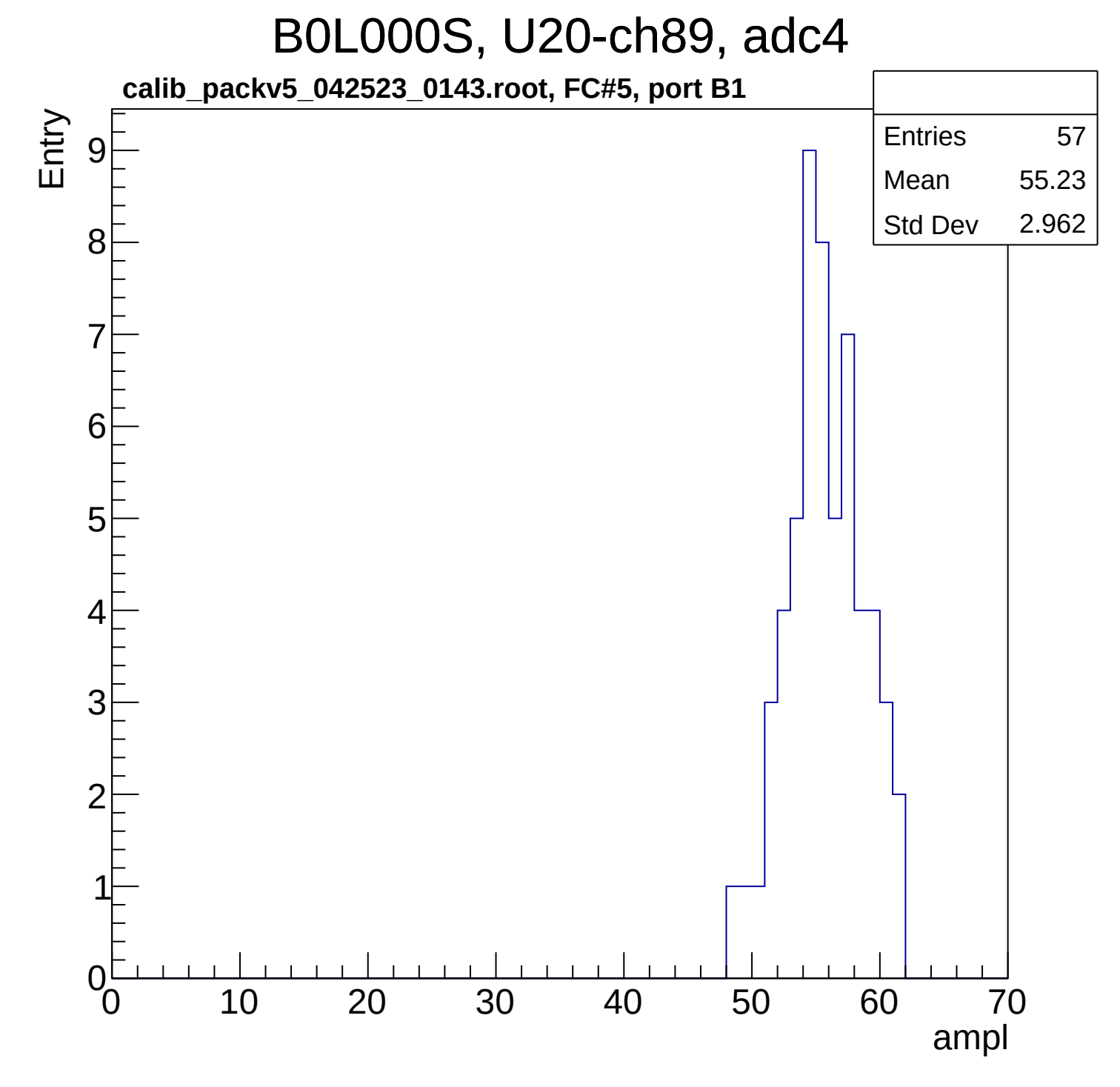
B0L000S, U20-ch89, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 55.23
Std Dev 2.962
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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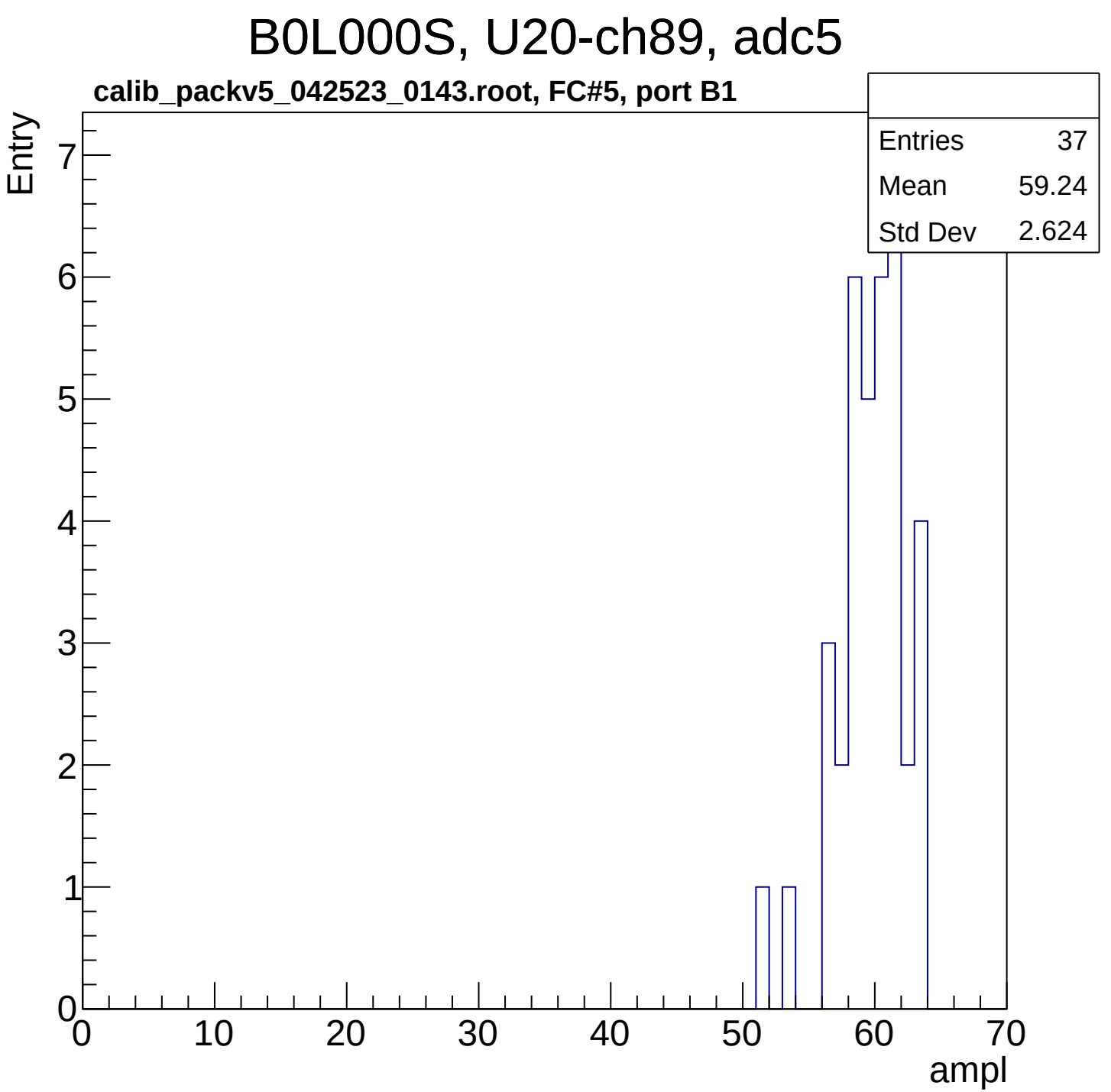
B0L000S, U20-ch89, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 37
Mean 59.24
Std Dev 2.624
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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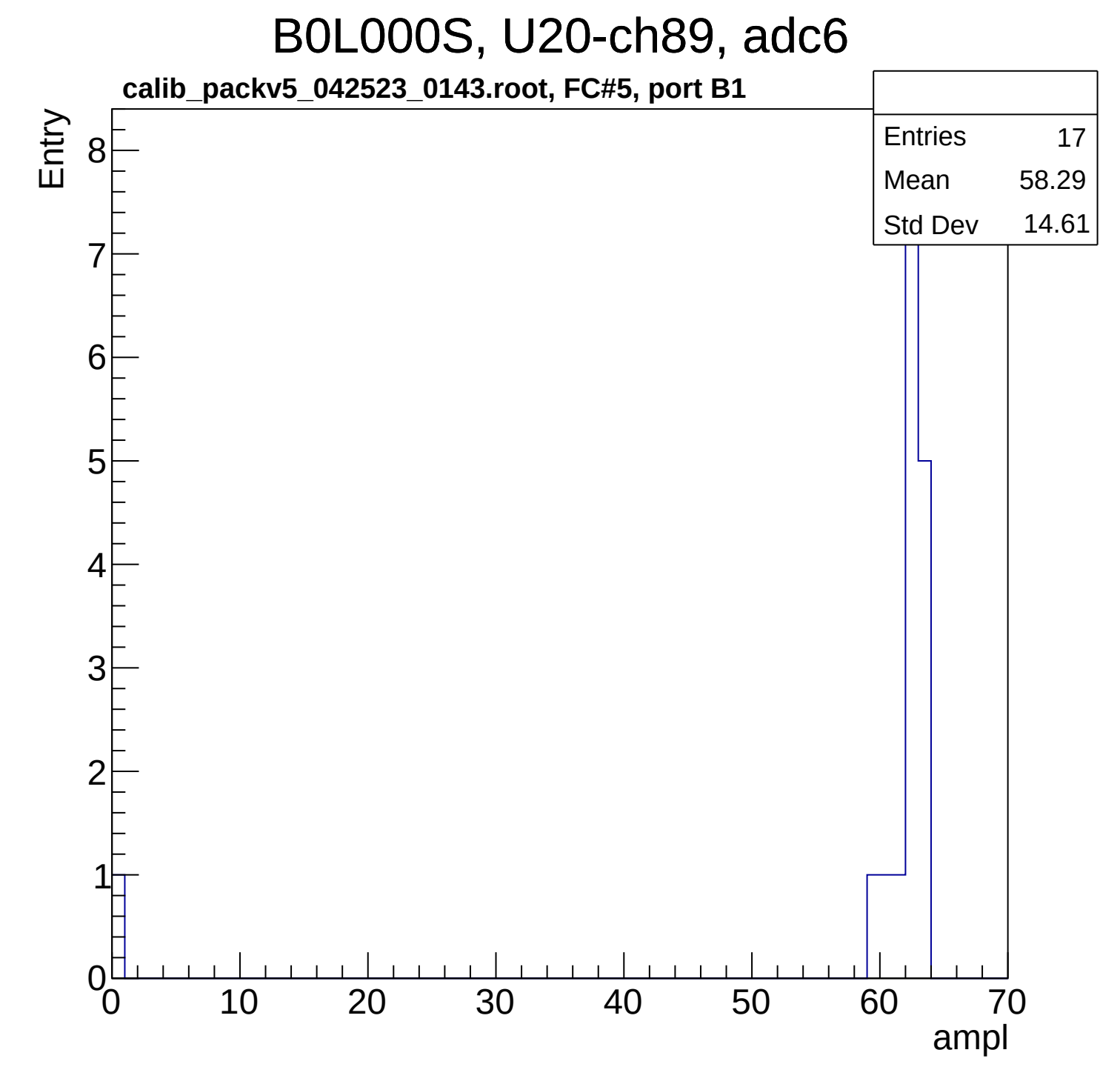
B0L000S, U20-ch89, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 17
Mean 58.29
Std Dev 14.61
Entry
ampl
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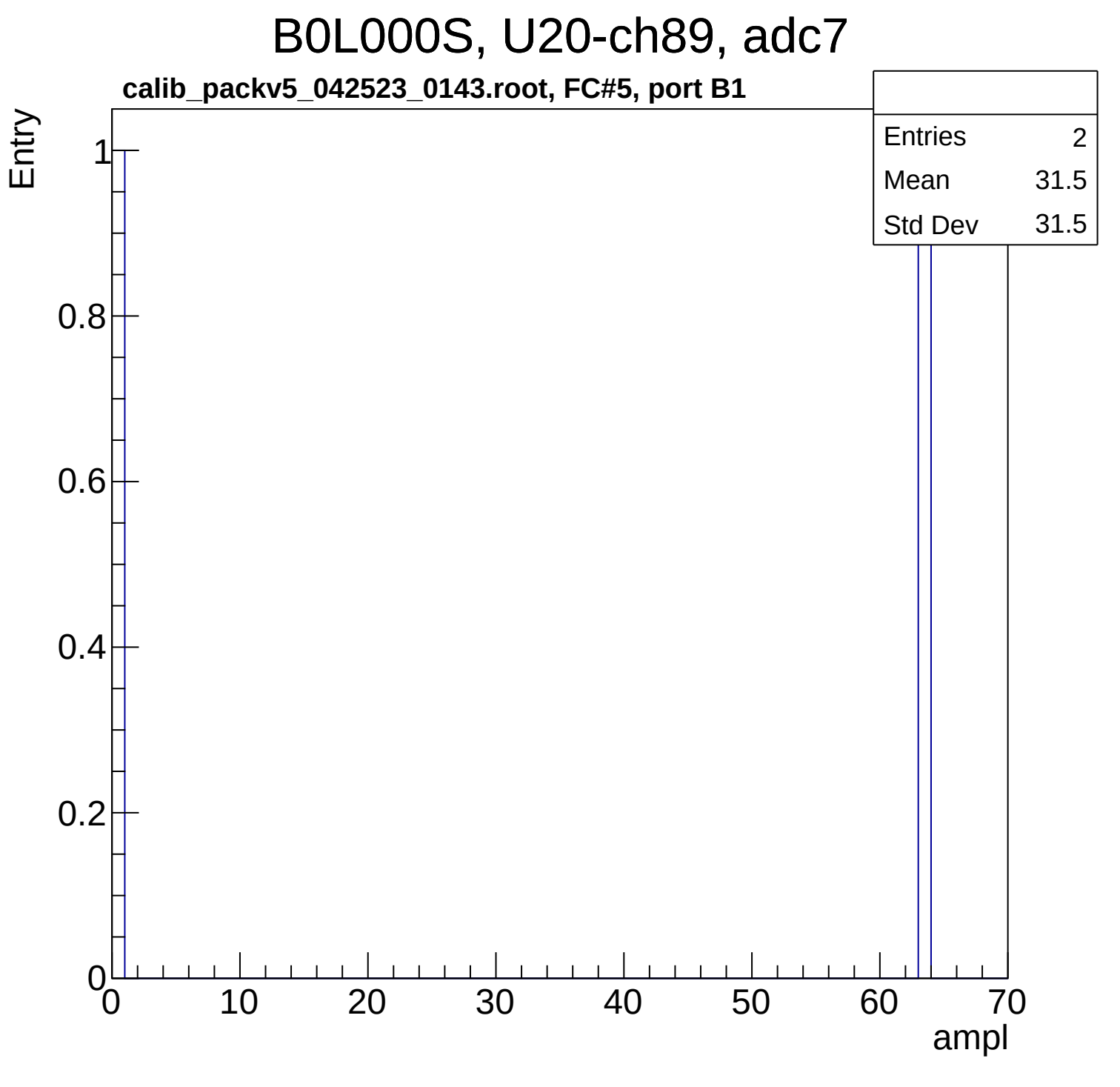
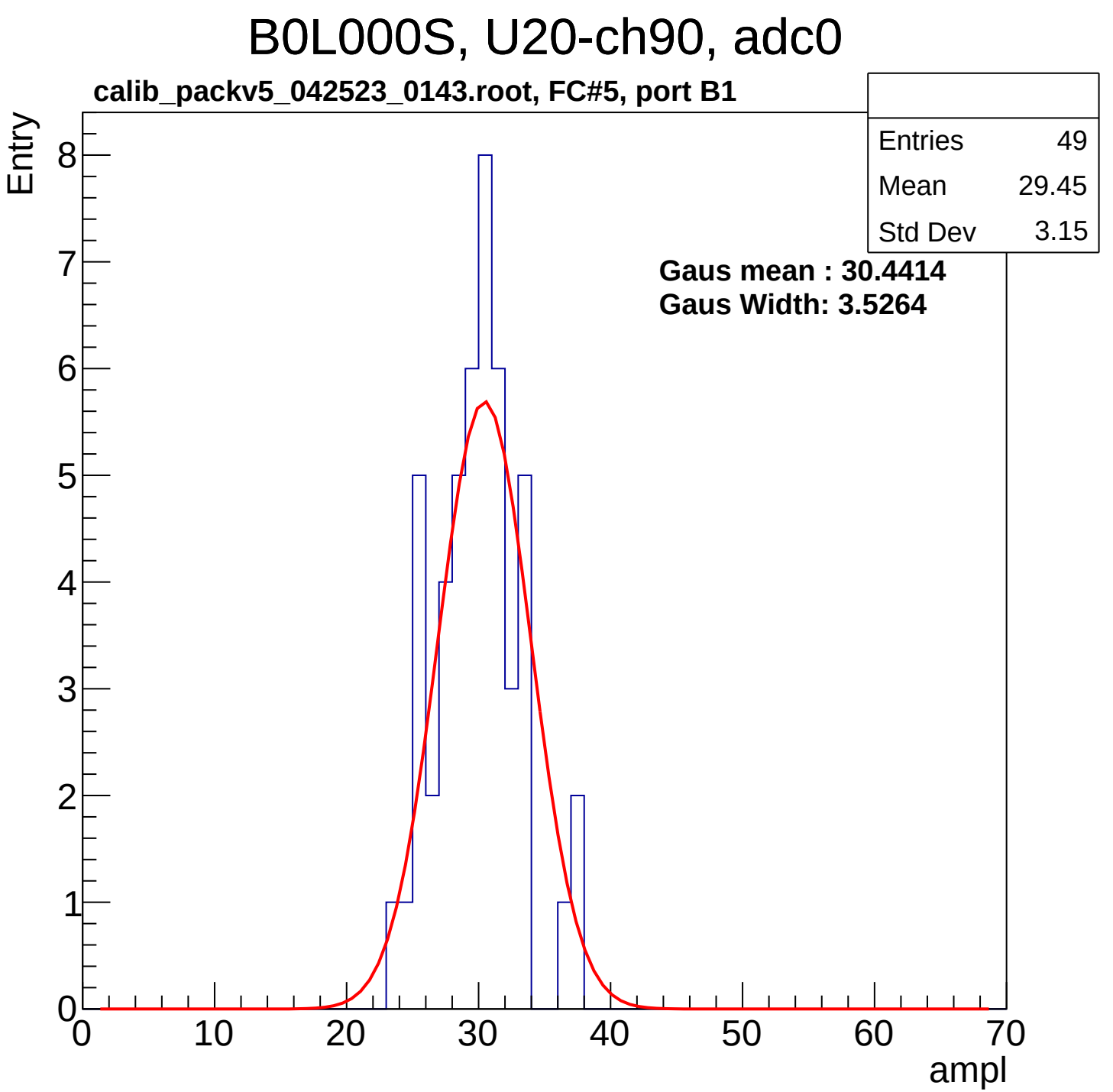
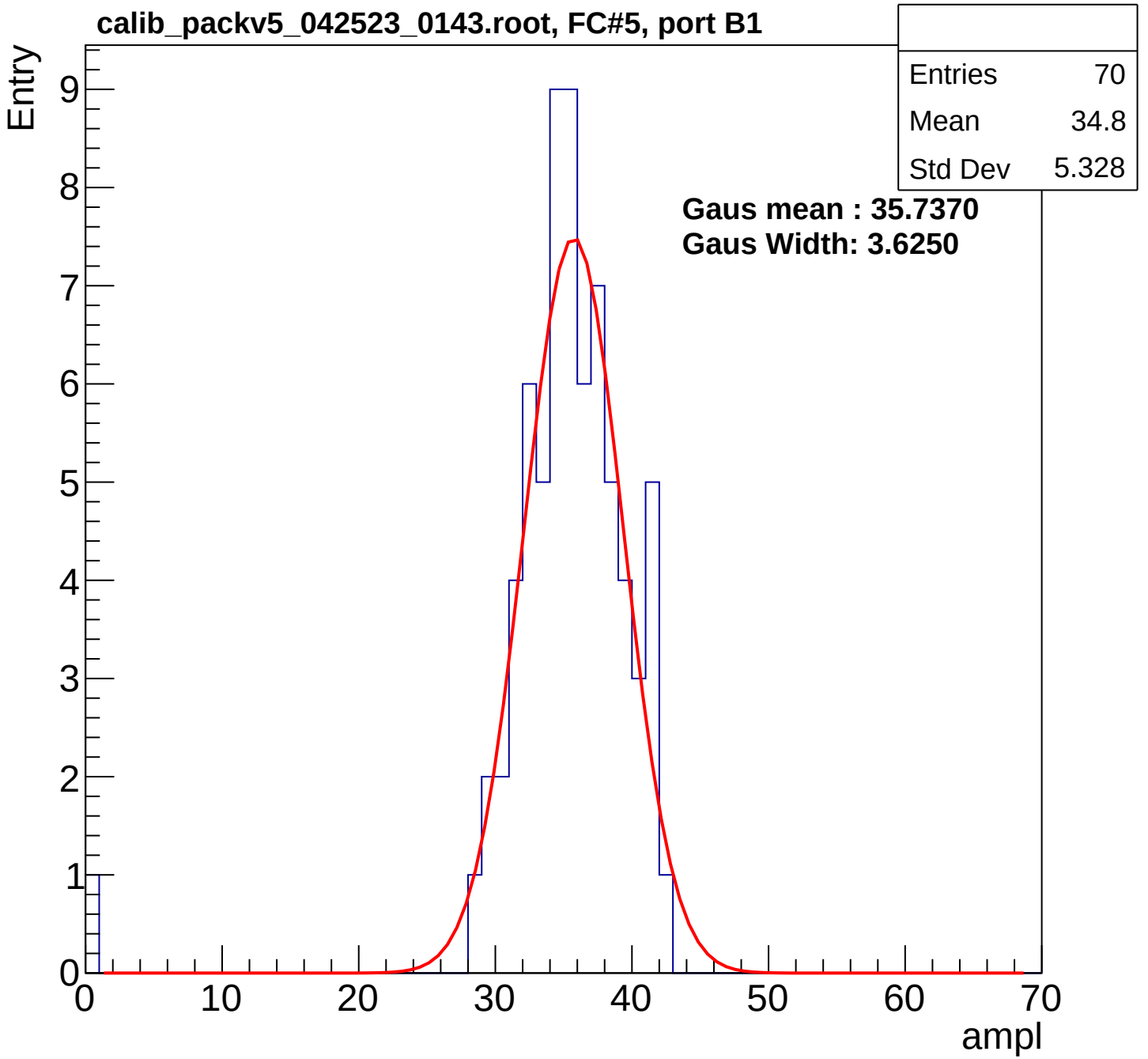
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch89, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch90, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 29.45
Std Dev 3.15
Gaus mean : 30.4414
Gaus Width: 3.5264
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 34.8
Std Dev 5.328
Gaus mean : 35.7370
Gaus Width: 3.6250
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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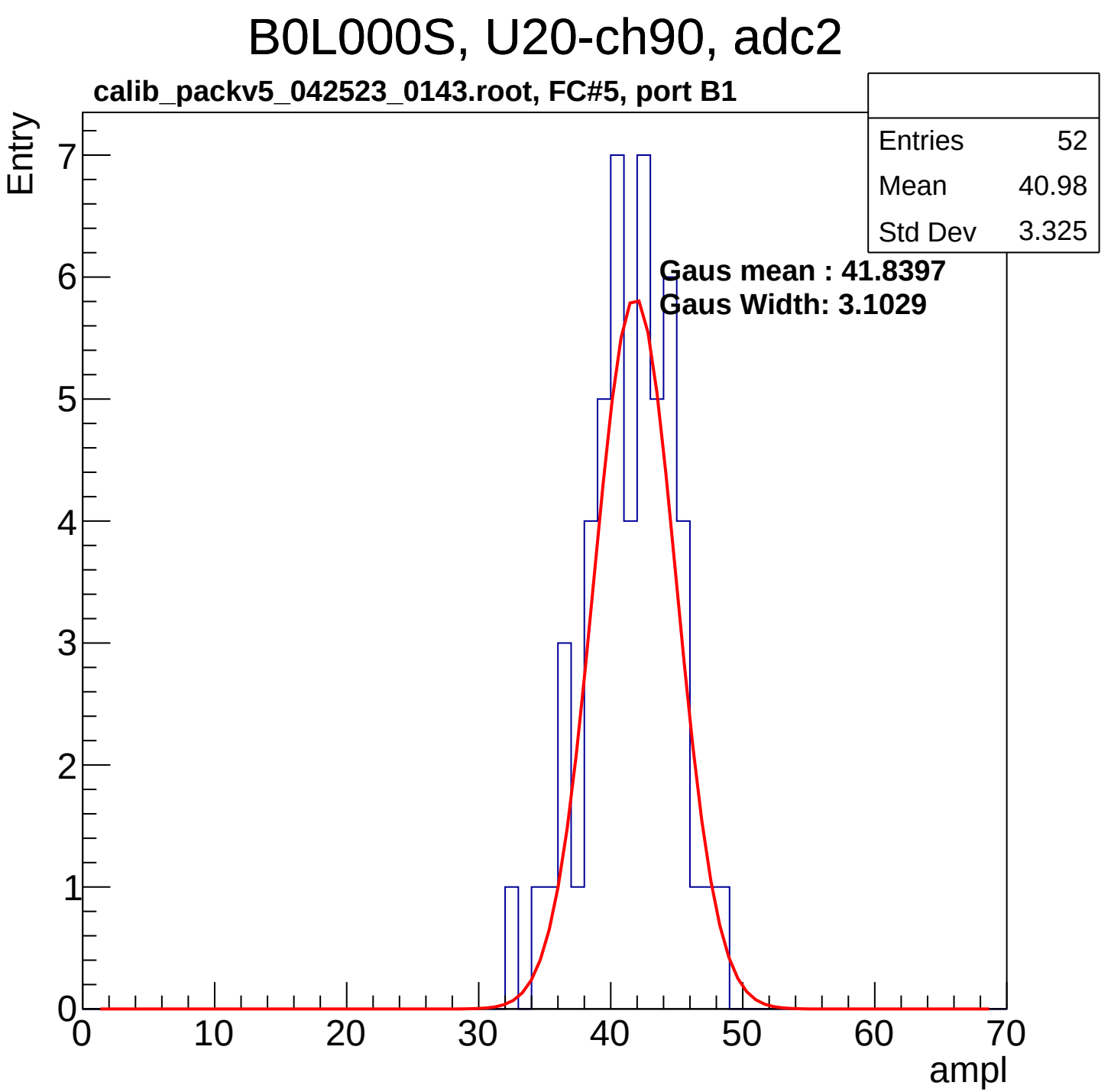
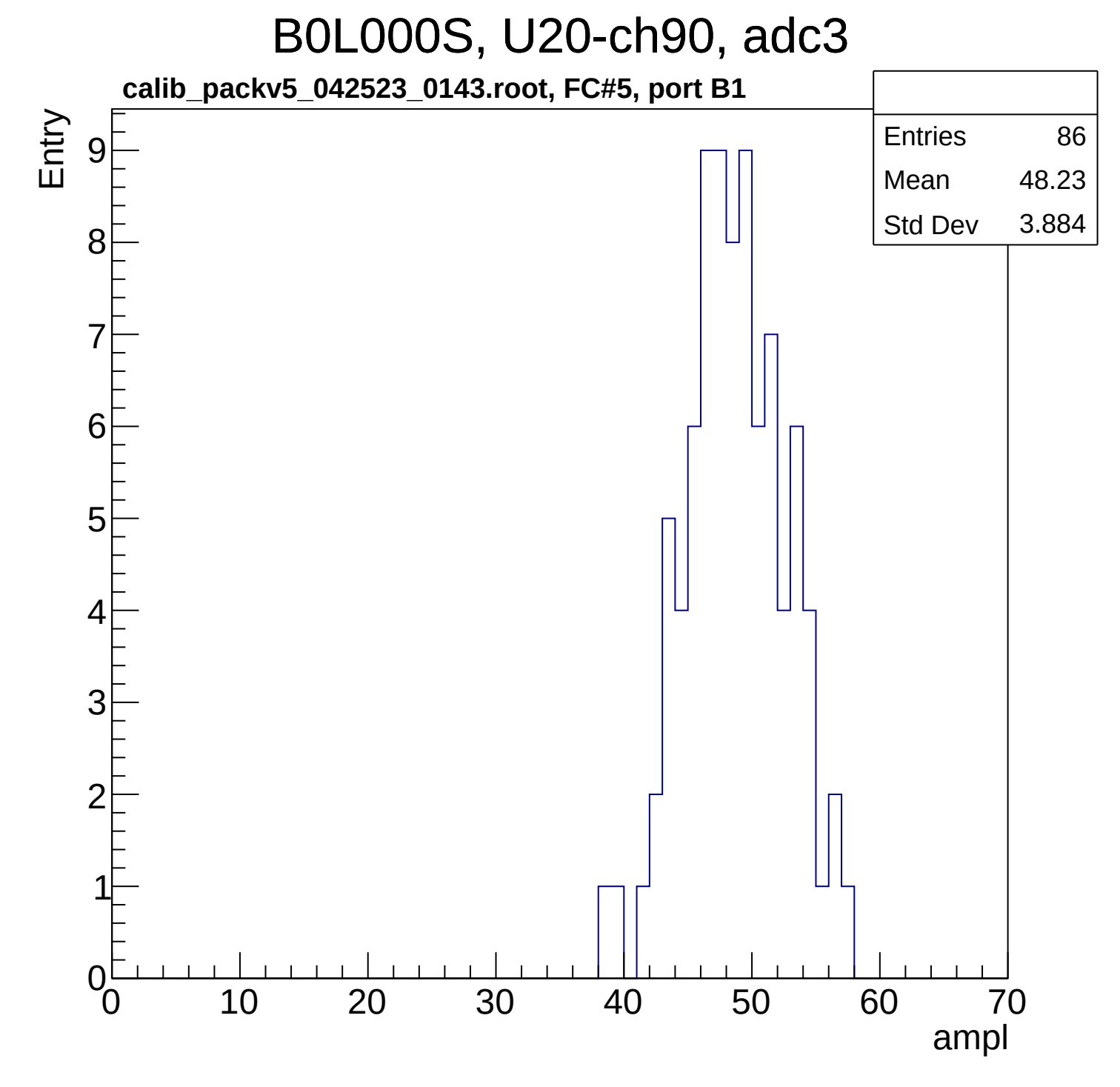

B0L000S, U20-ch90, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 40.98
Std Dev 3.325
Gaus mean : 41.8397
Gaus Width: 3.1029
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 86
Mean 48.23
Std Dev 3.884
Entry
ampl
0
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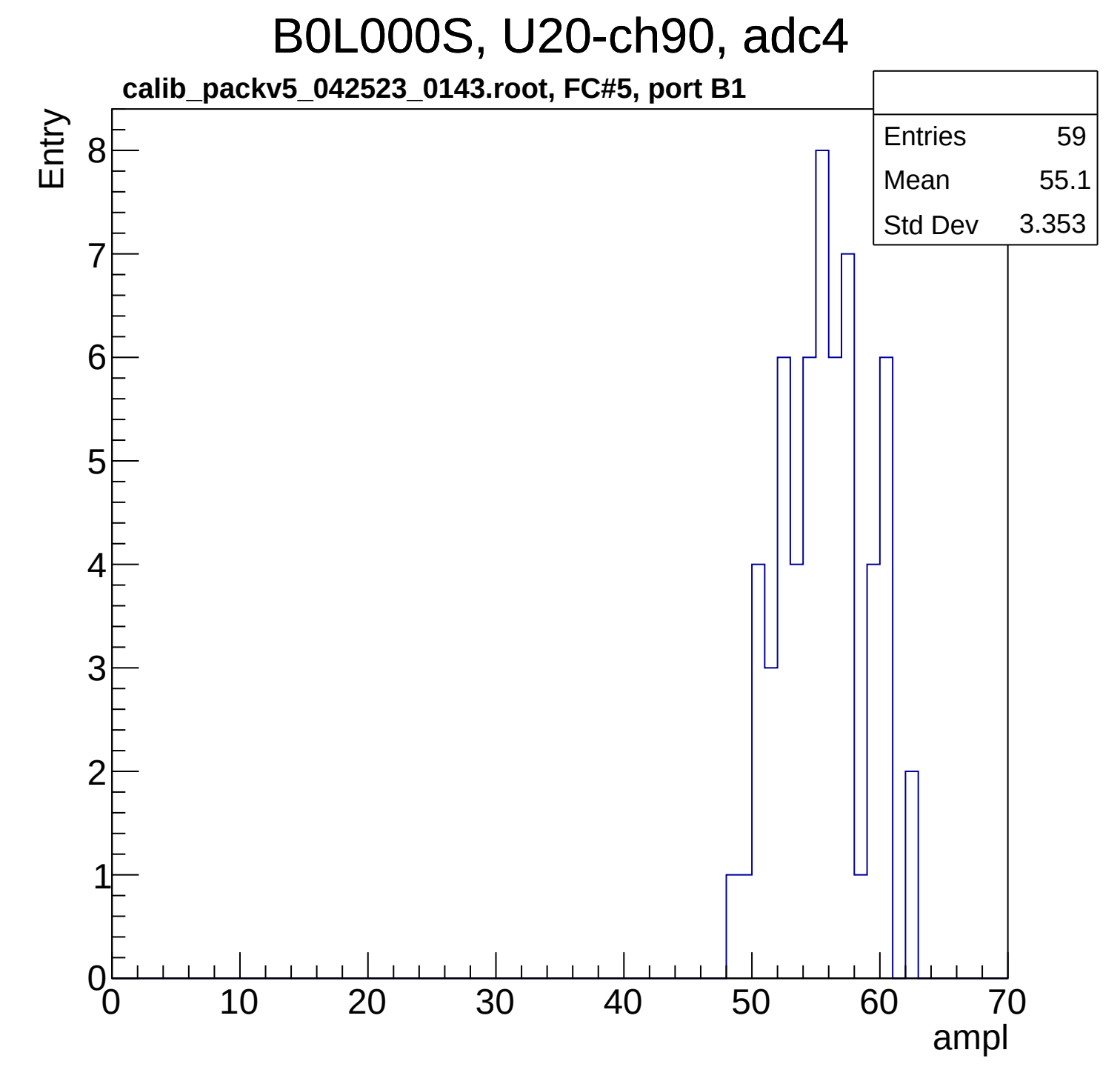
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 55.1
Std Dev 3.353
Entry
ampl
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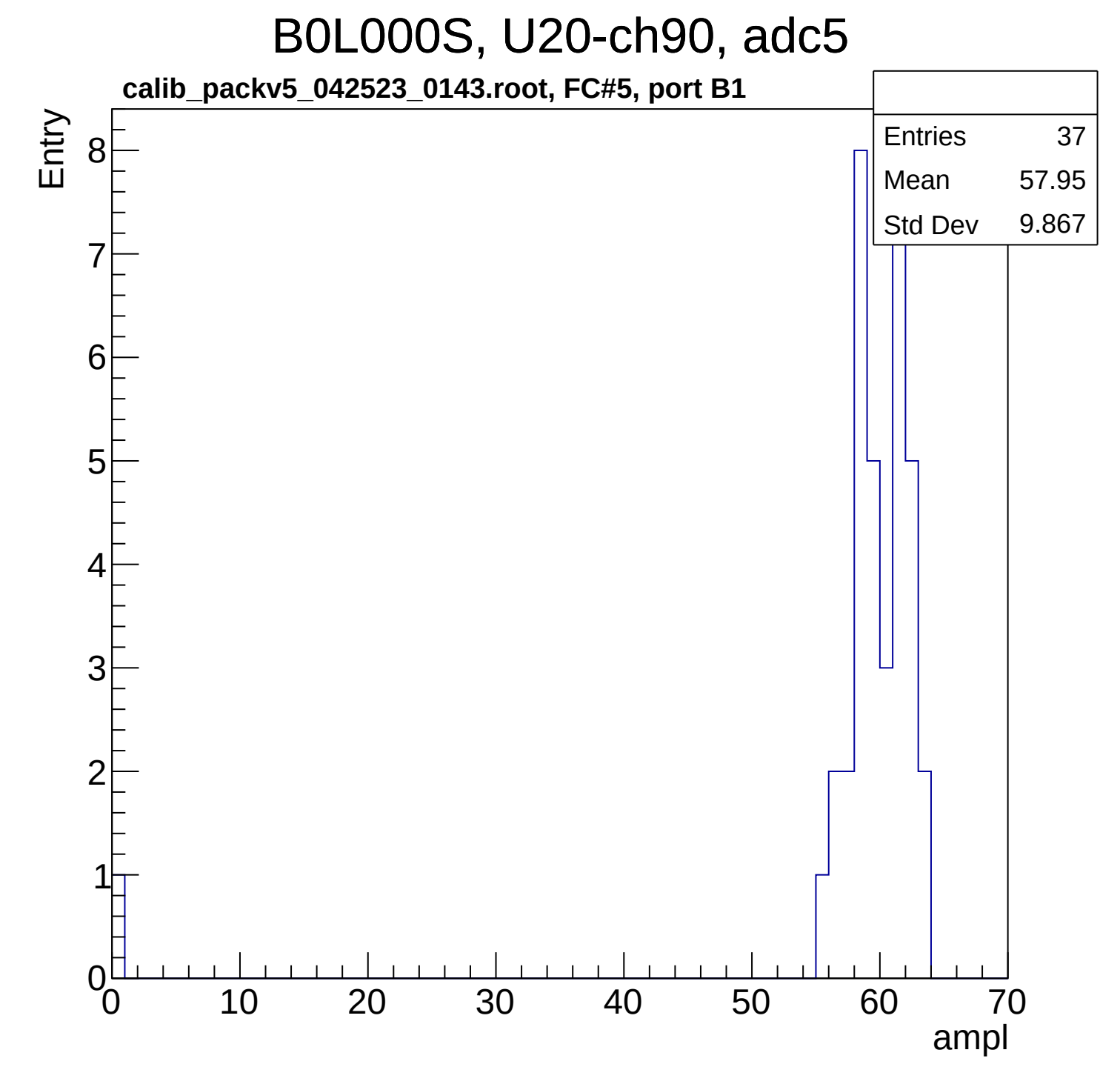
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 37
Mean 57.95
Std Dev 9.867
Entry
ampl
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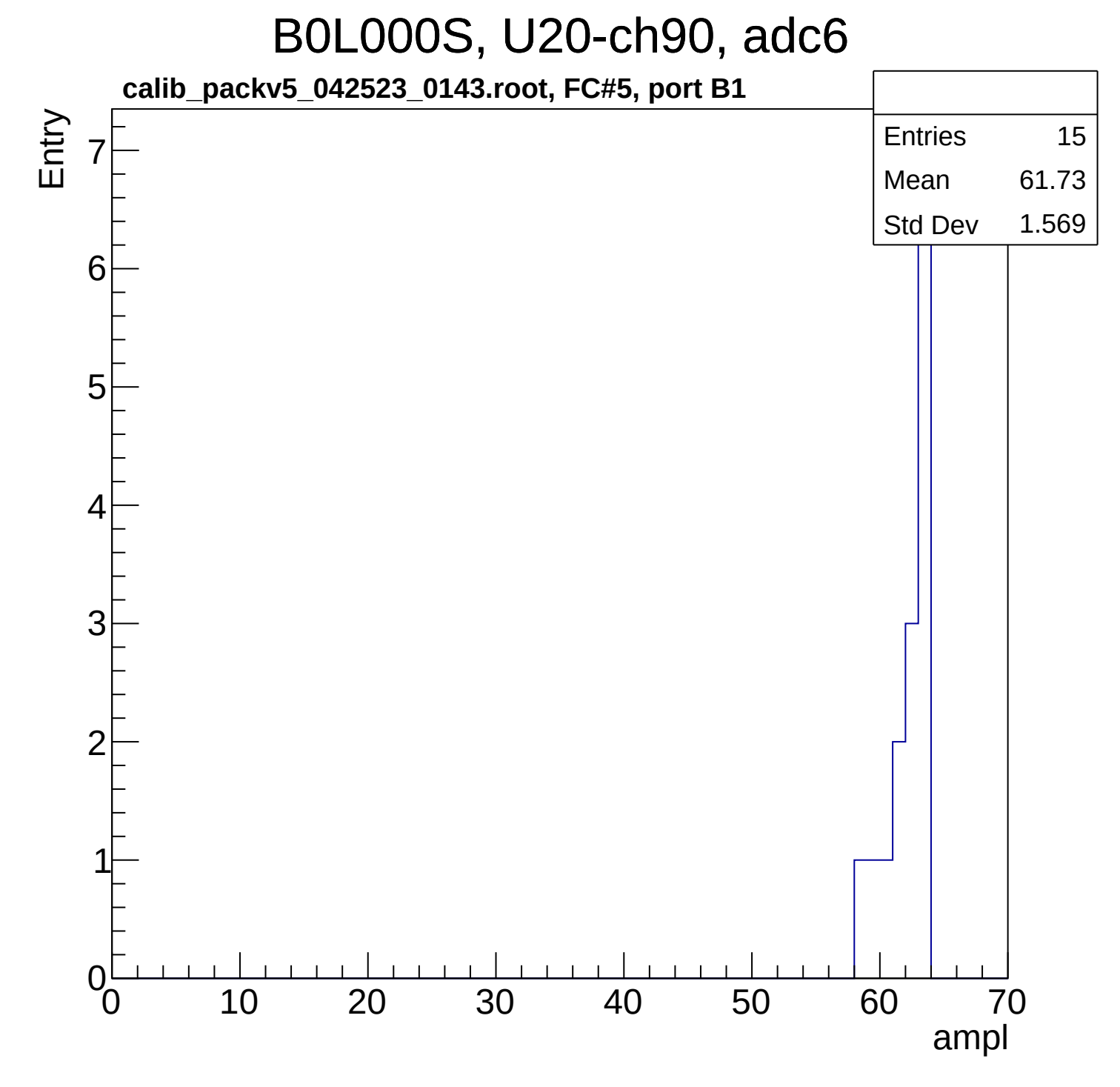
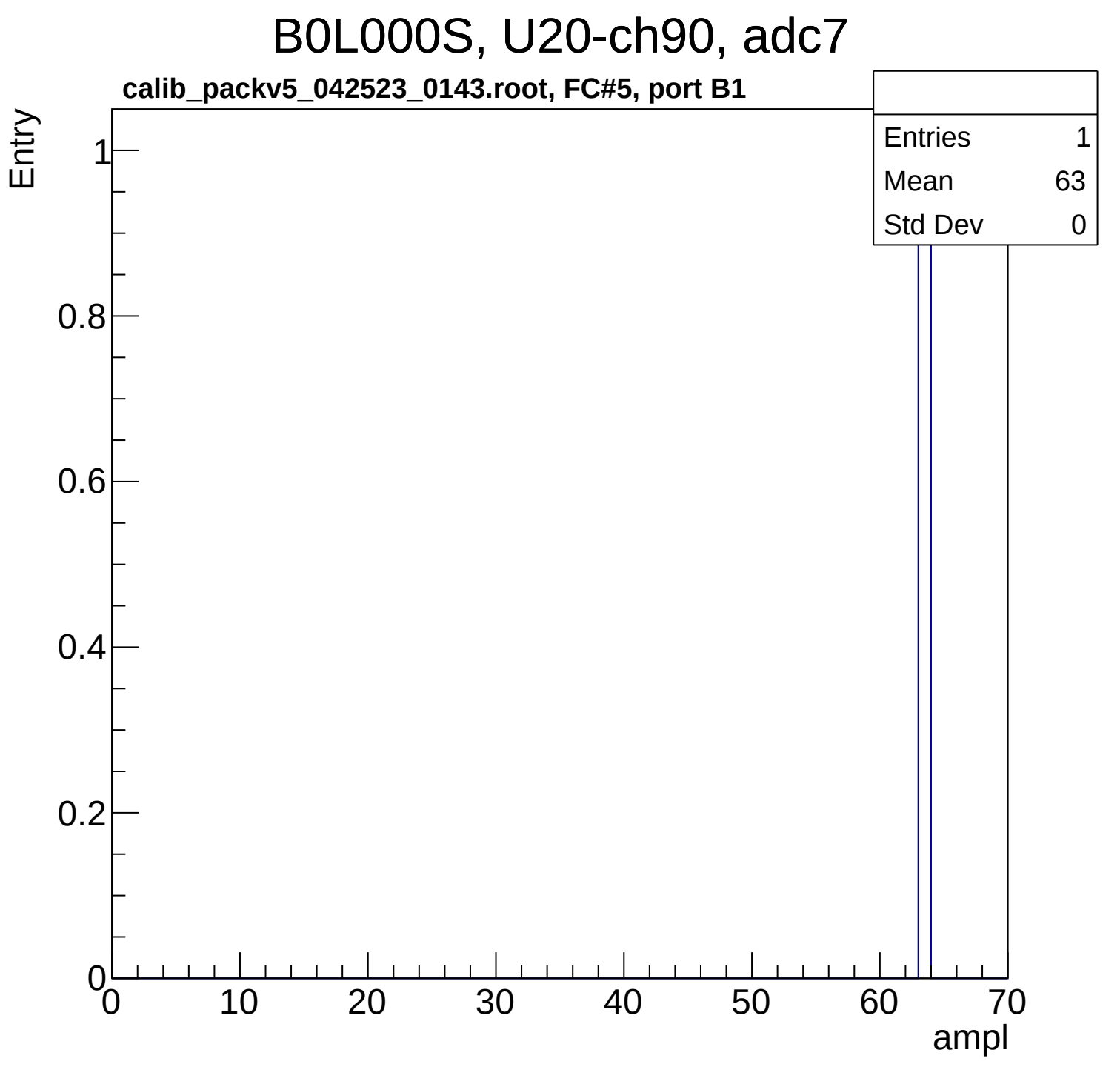
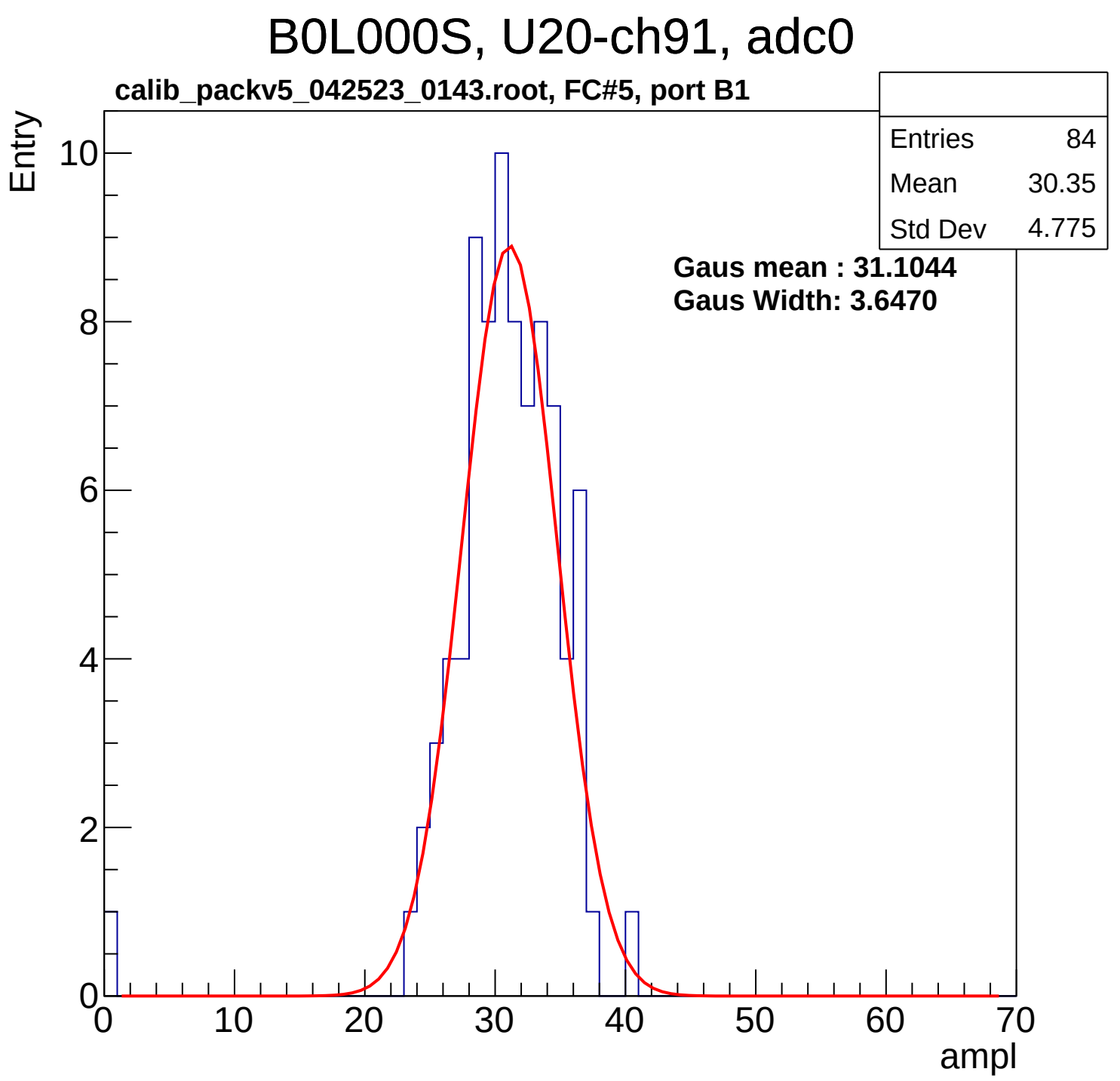
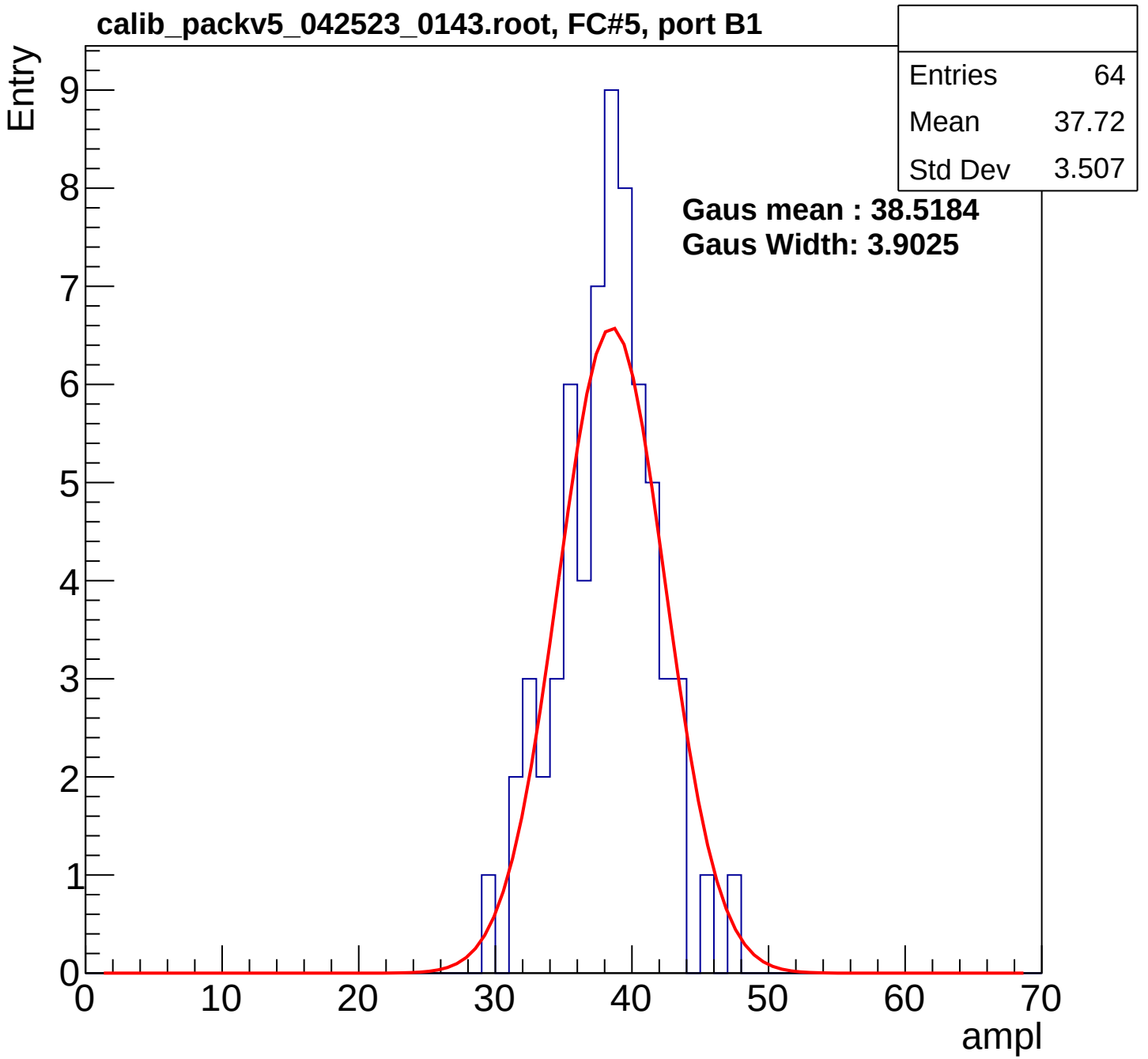
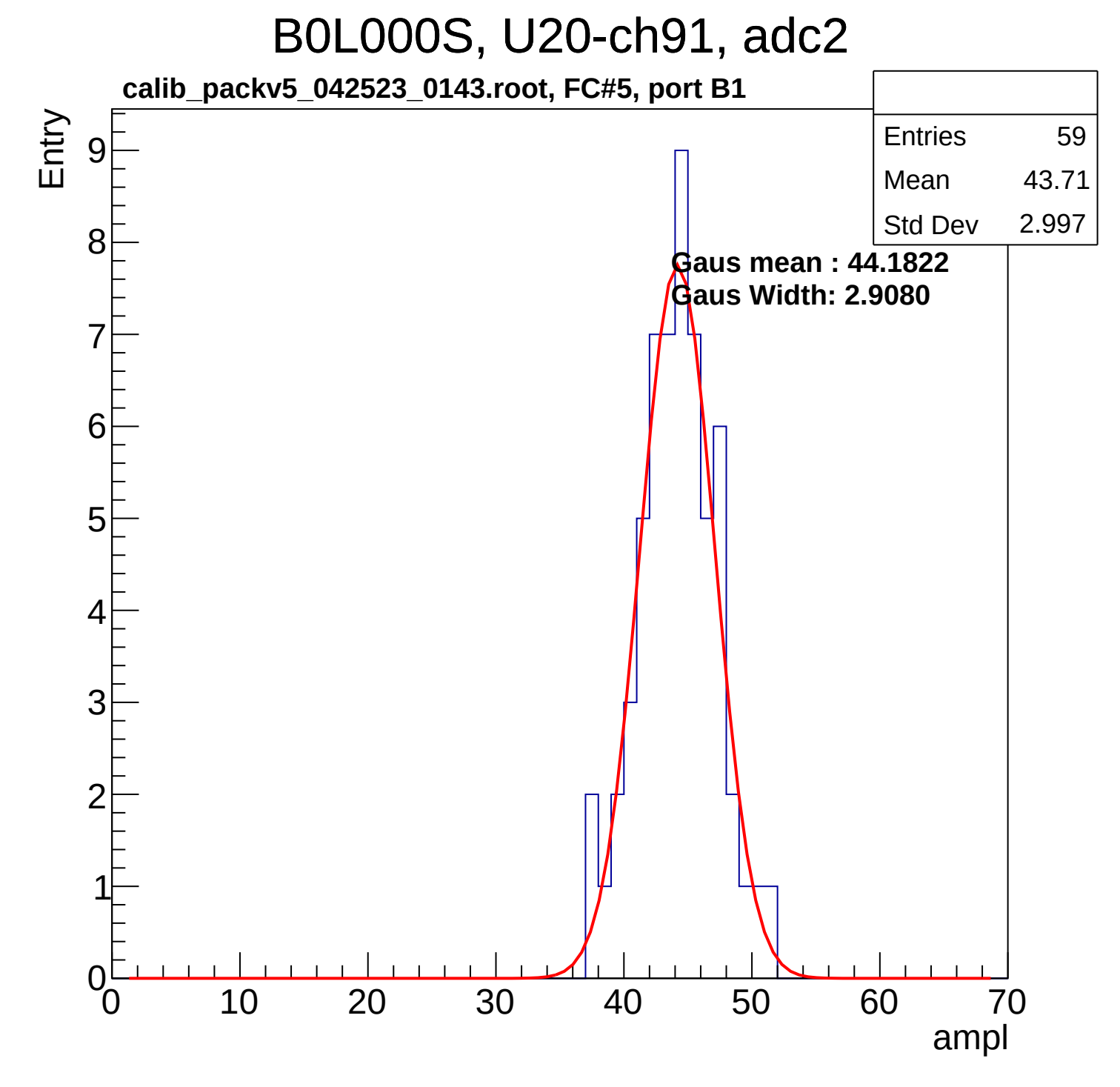
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 15
Mean 61.73
Std Dev 1.569
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch90, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch91, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 84
Mean 30.35
Std Dev 4.775
Gaus mean : 31.1044
Gaus Width: 3.6470
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch91, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 37.72
Std Dev 3.507
Gaus mean : 38.5184
Gaus Width: 3.9025
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch91, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 43.71
Std Dev 2.997
Gaus mean : 44.1822
Gaus Width: 2.9080
Entry
ampl
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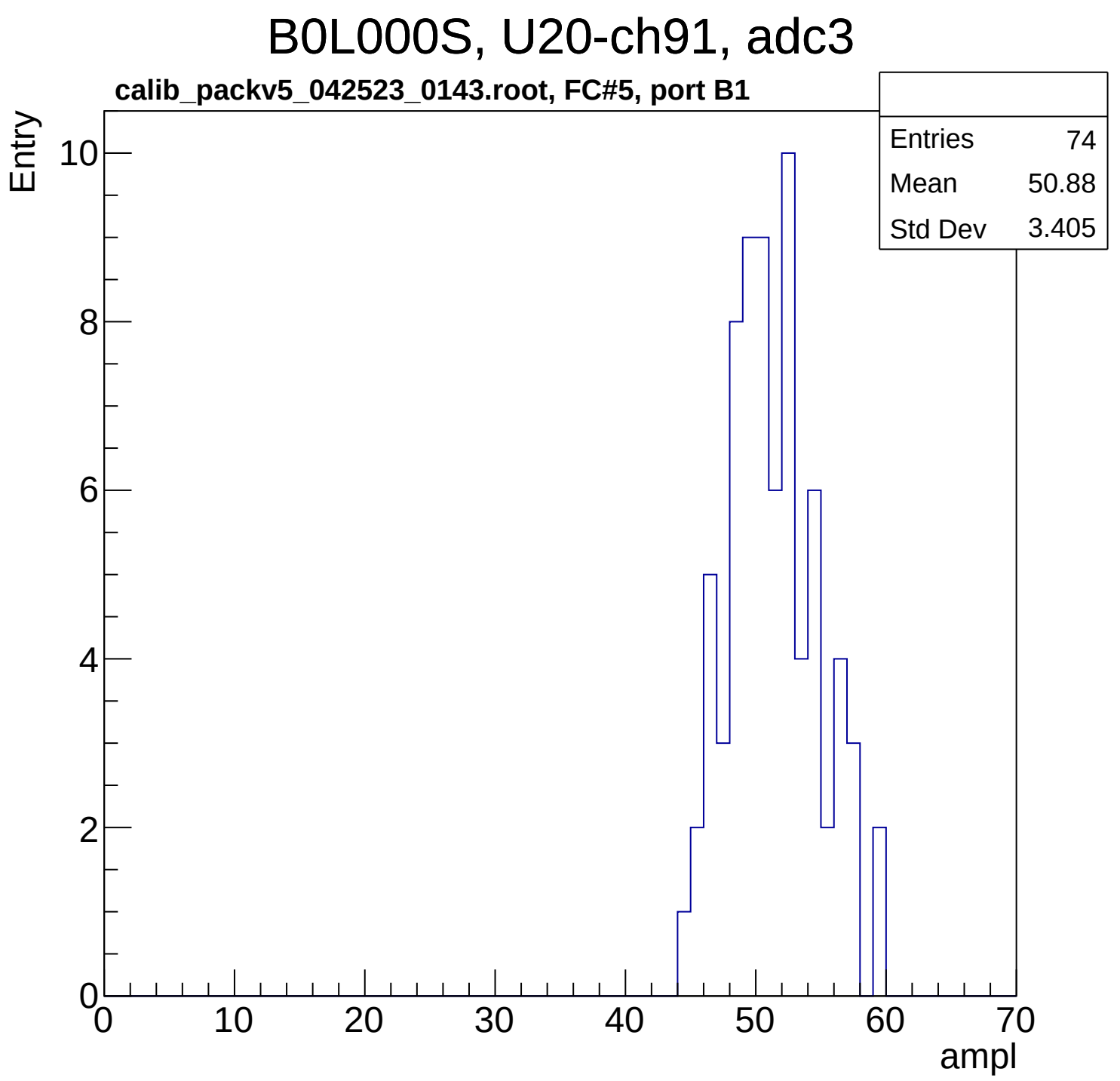
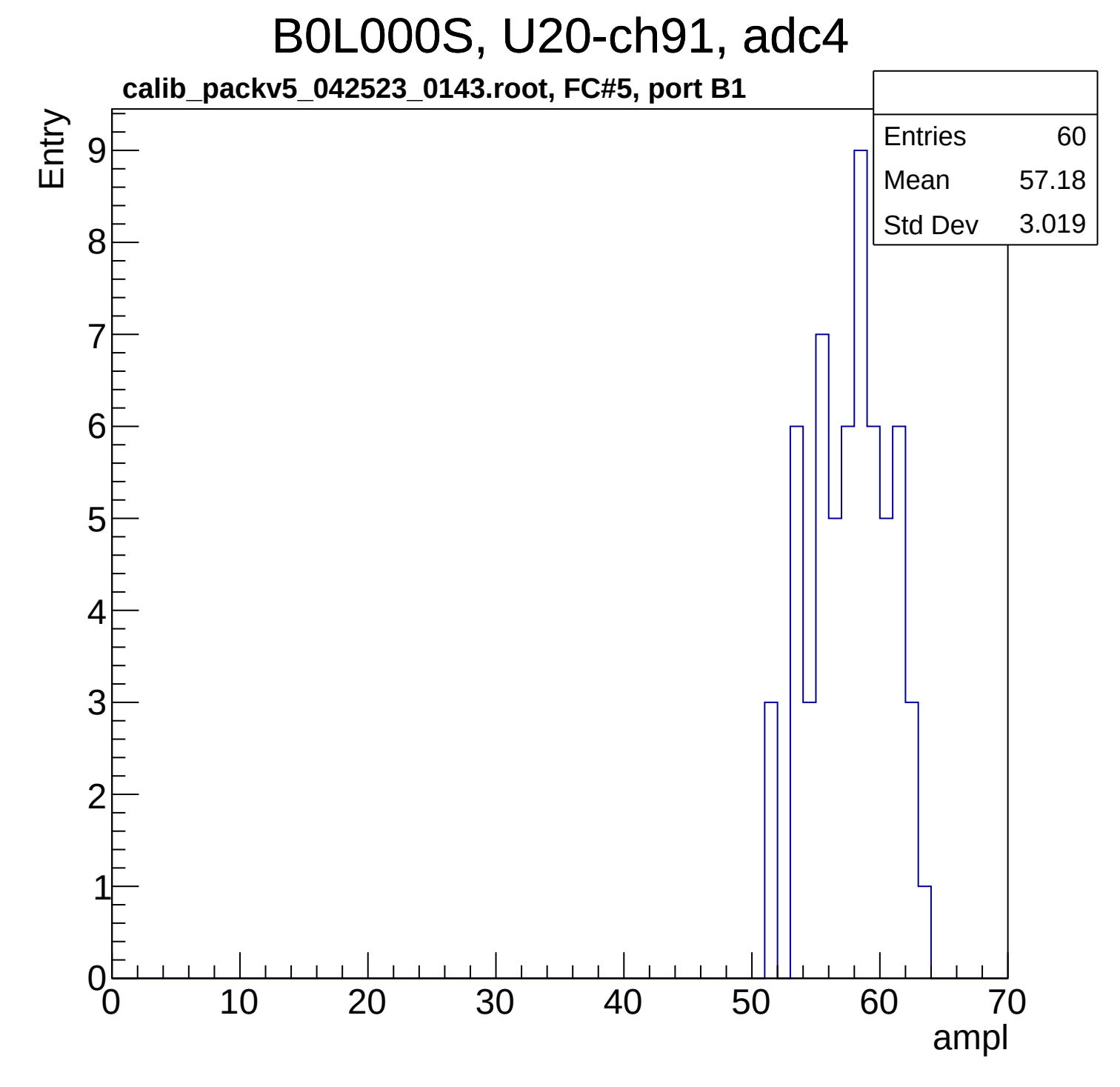
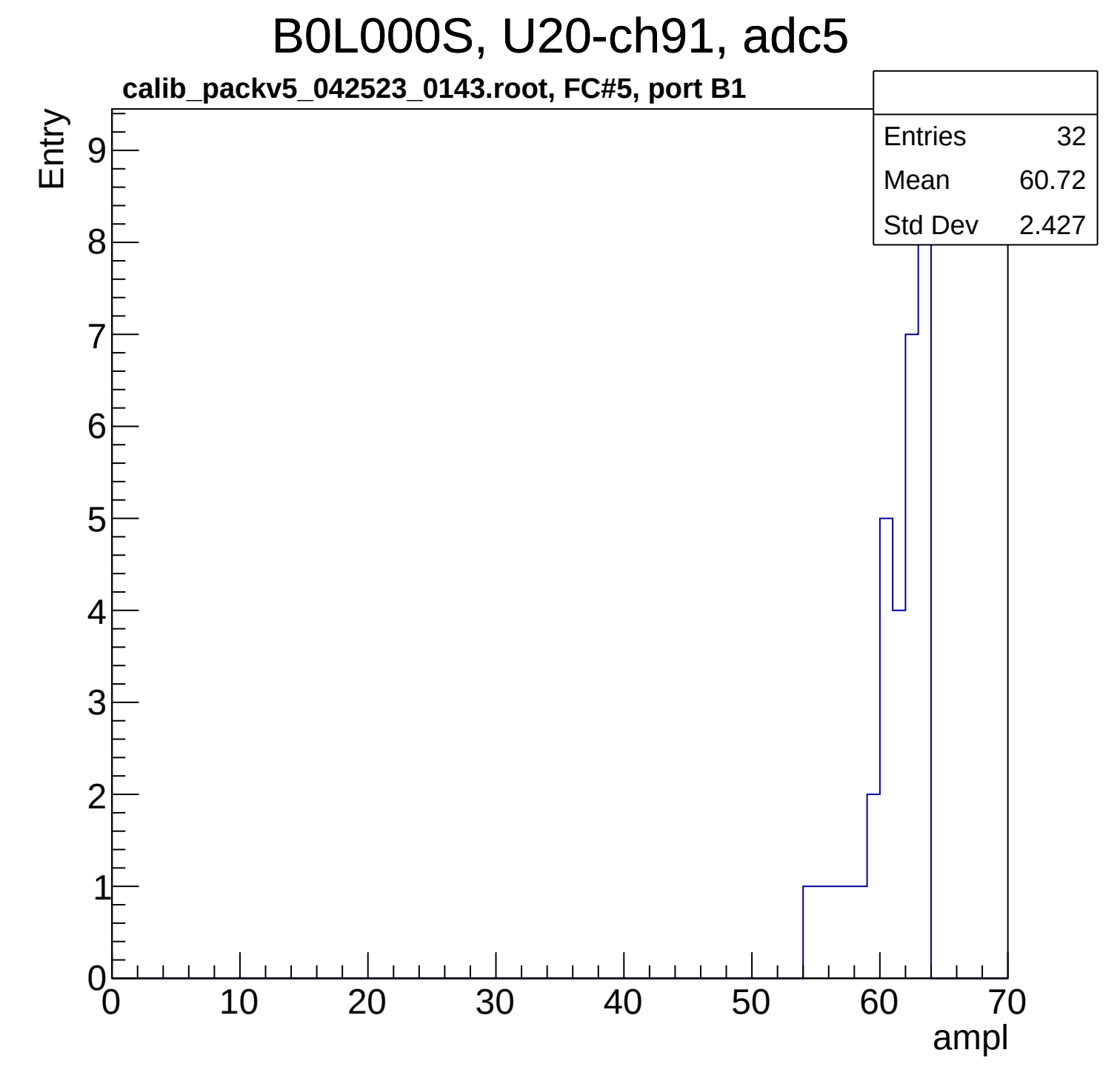
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch91, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 50.88
Std Dev 3.405
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch91, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 57.18
Std Dev 3.019
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch91, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 32
Mean 60.72
Std Dev 2.427
Entry
ampl
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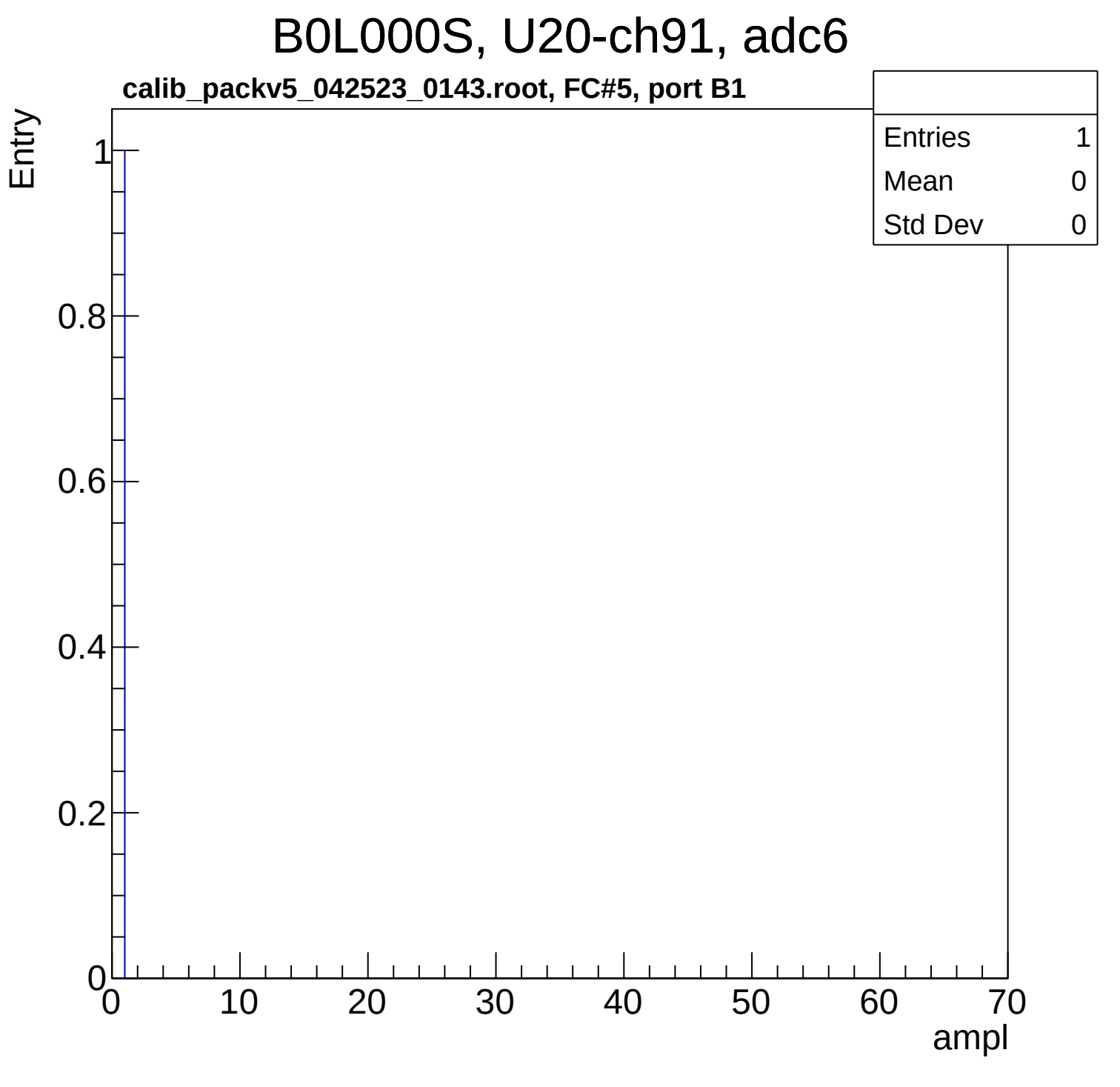
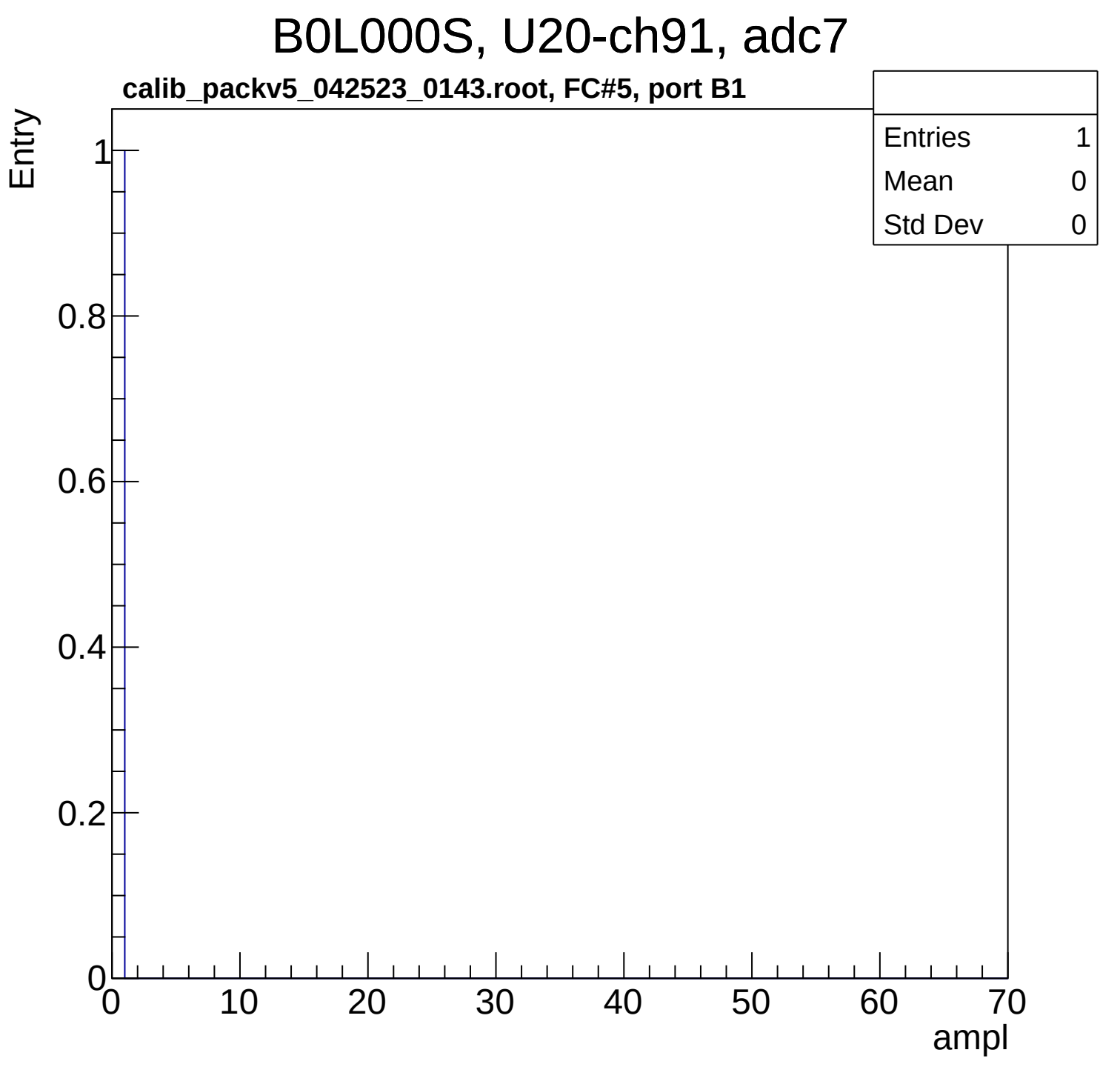
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch91, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch91, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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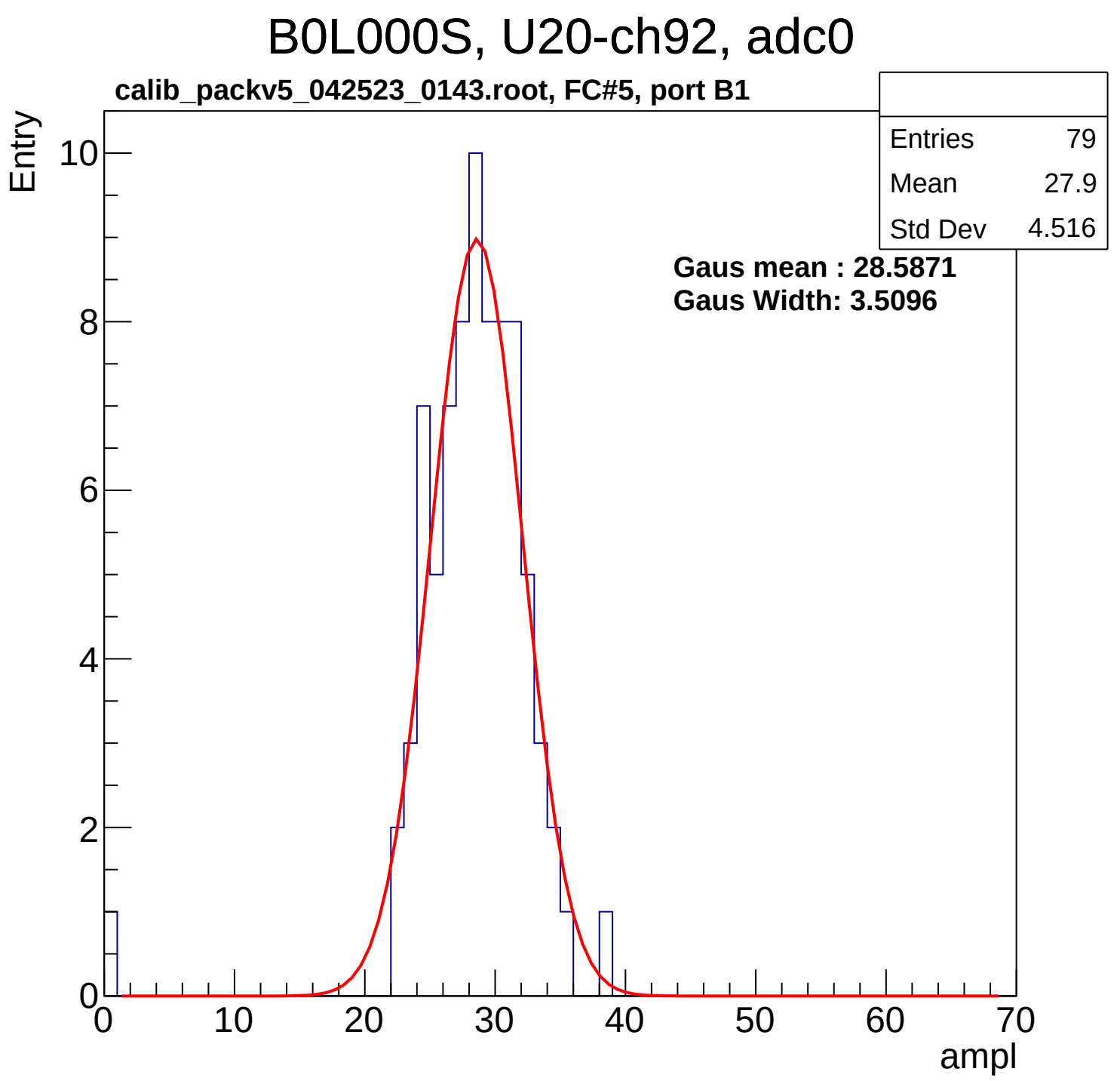
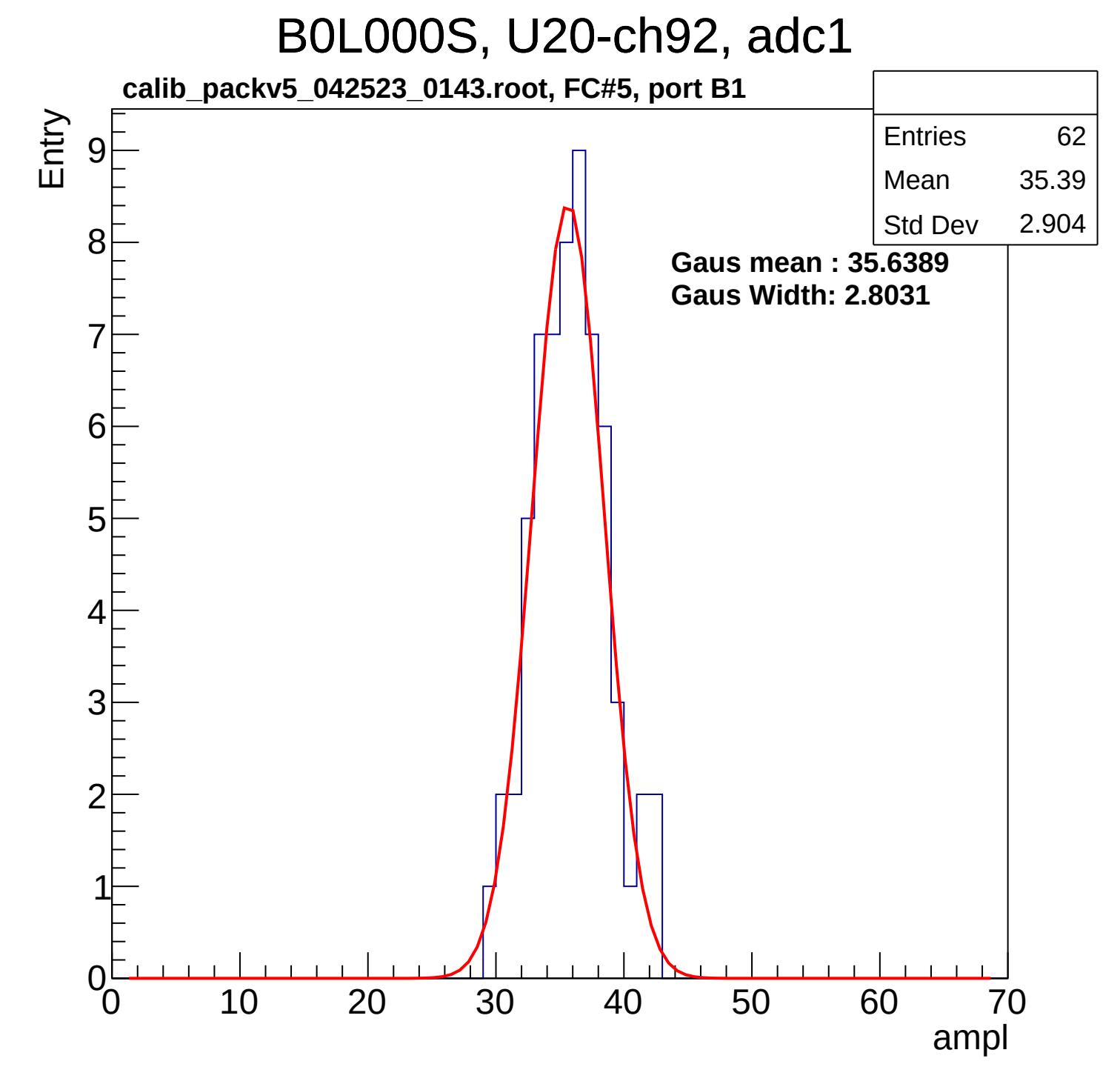
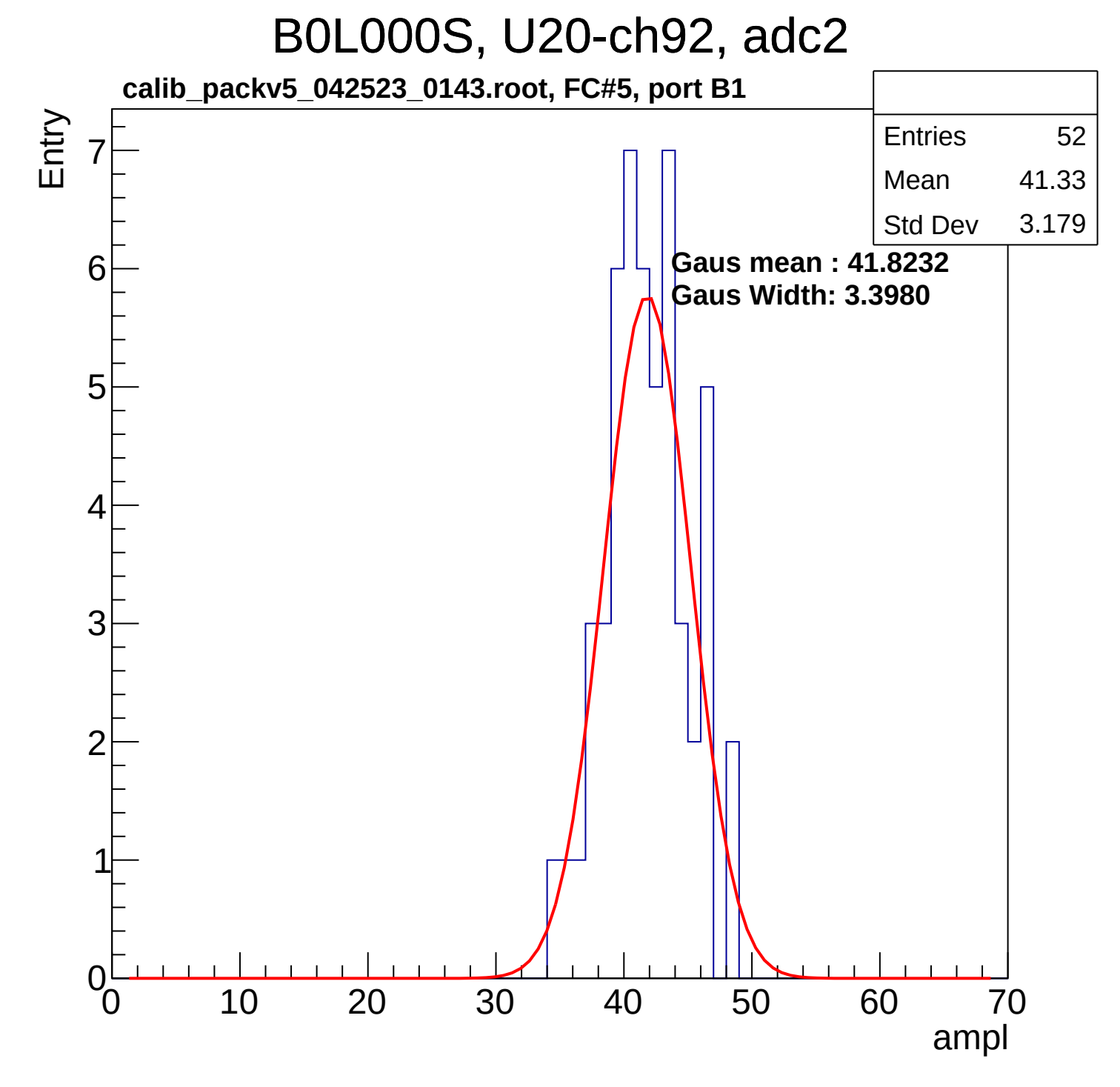
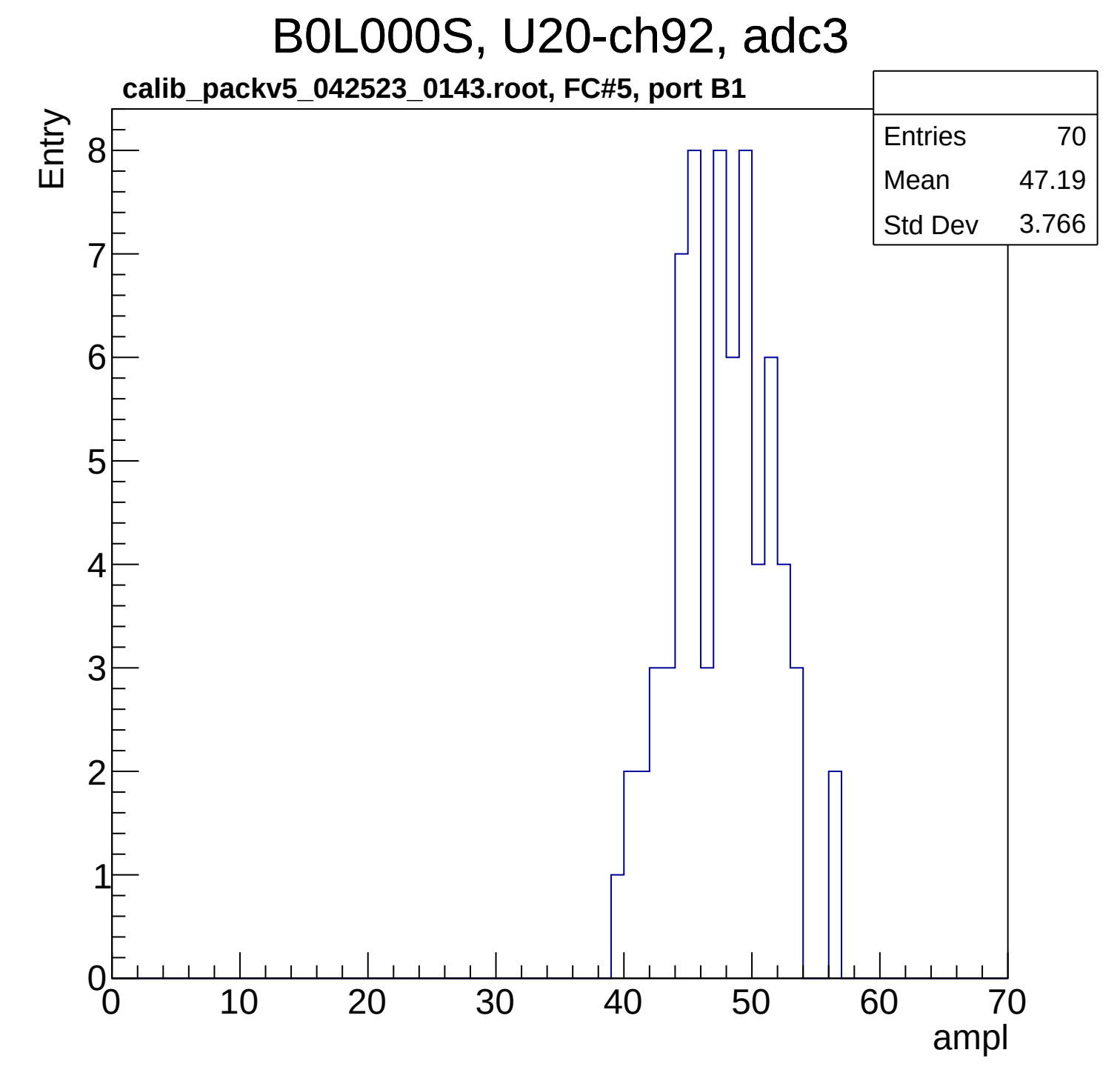
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch92, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 27.9
Std Dev 4.516
Gaus mean : 28.5871
Gaus Width: 3.5096
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch92, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 35.39
Std Dev 2.904
Gaus mean : 35.6389
Gaus Width: 2.8031
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch92, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 41.33
Std Dev 3.179
Gaus mean : 41.8232
Gaus Width: 3.3980
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch92, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 47.19
Std Dev 3.766
Entry
ampl
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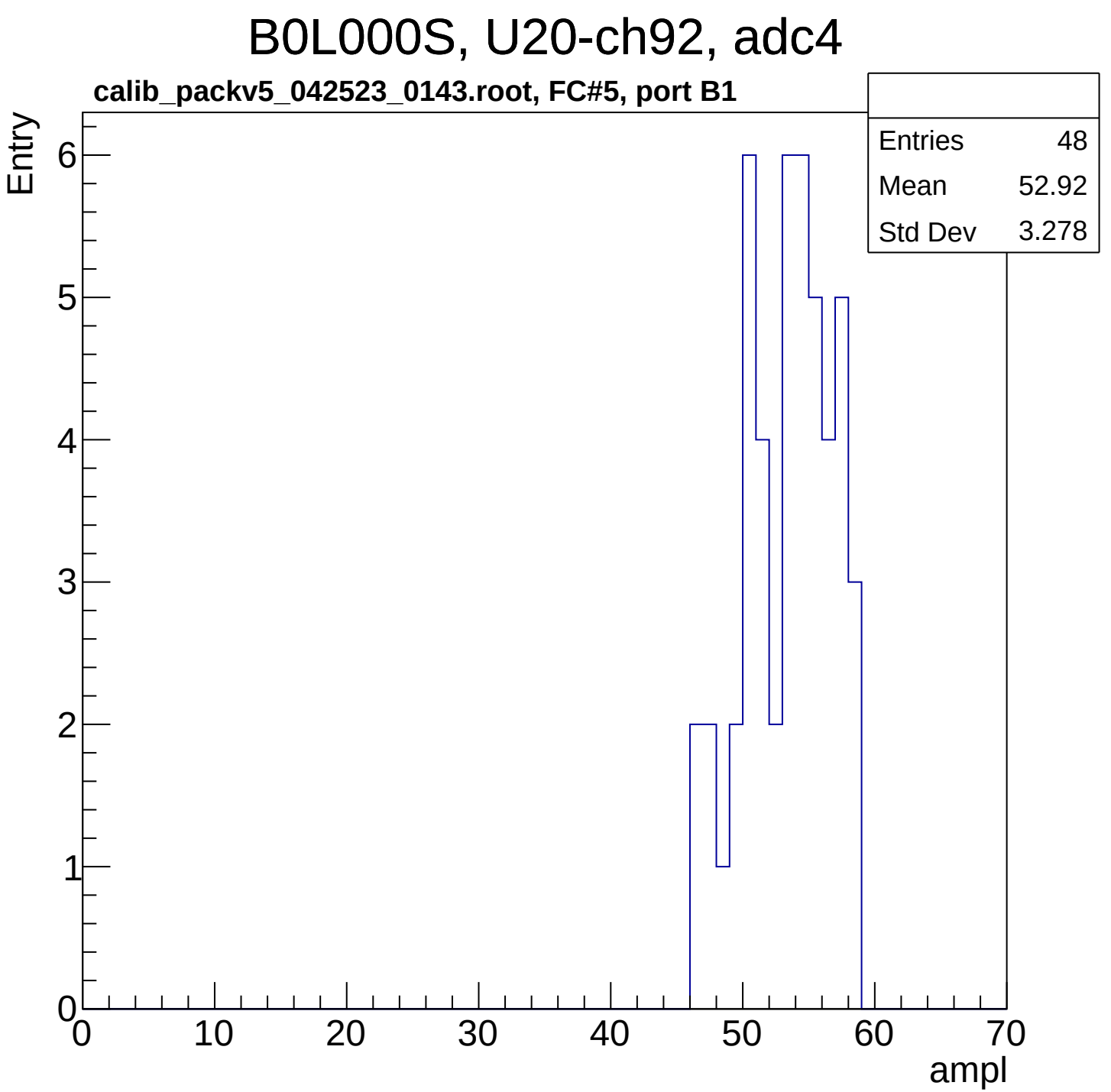
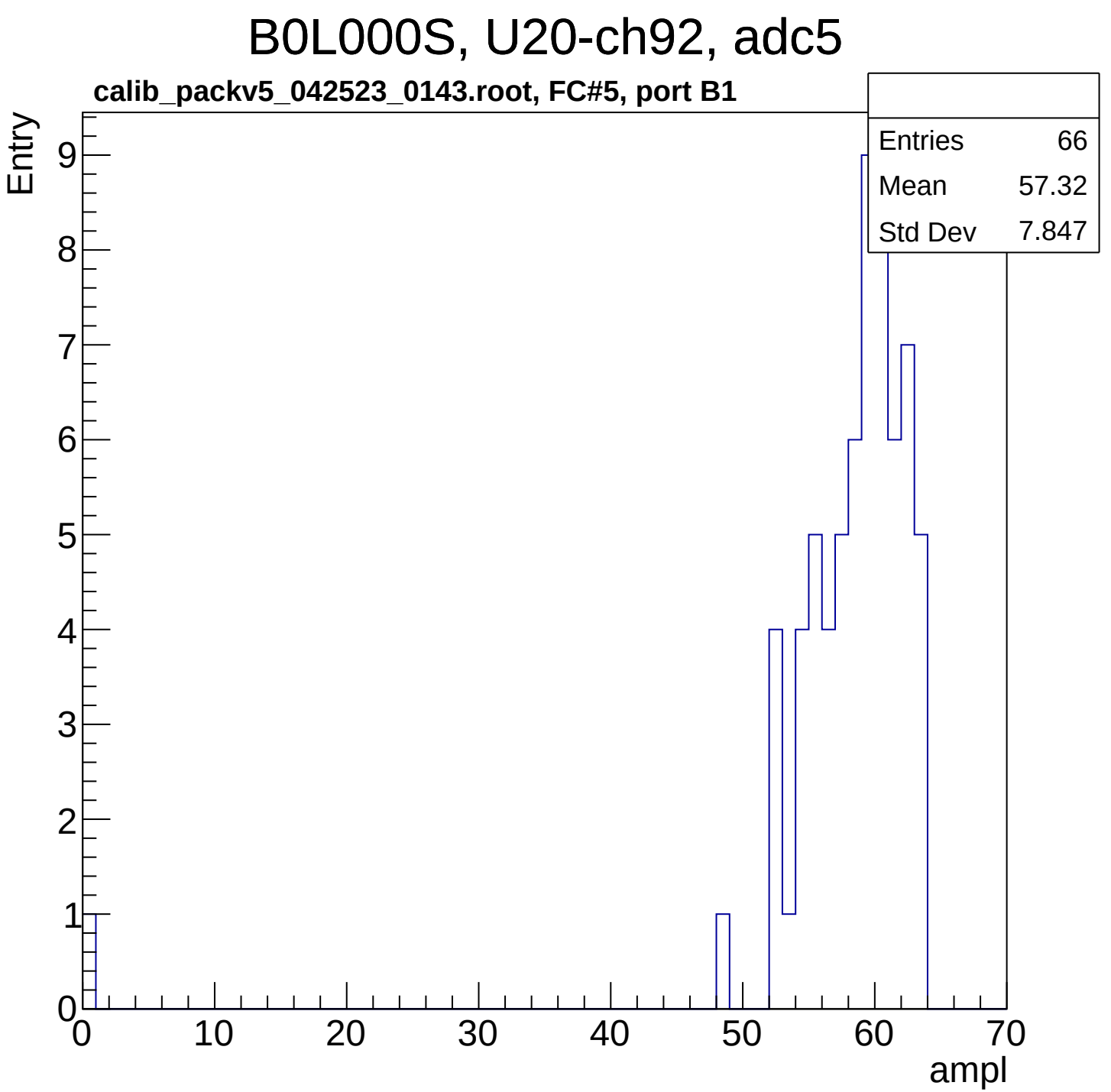
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch92, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 52.92
Std Dev 3.278
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch92, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 57.32
Std Dev 7.847
Entry
ampl
0
1
2
3
4
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6
7
8
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0
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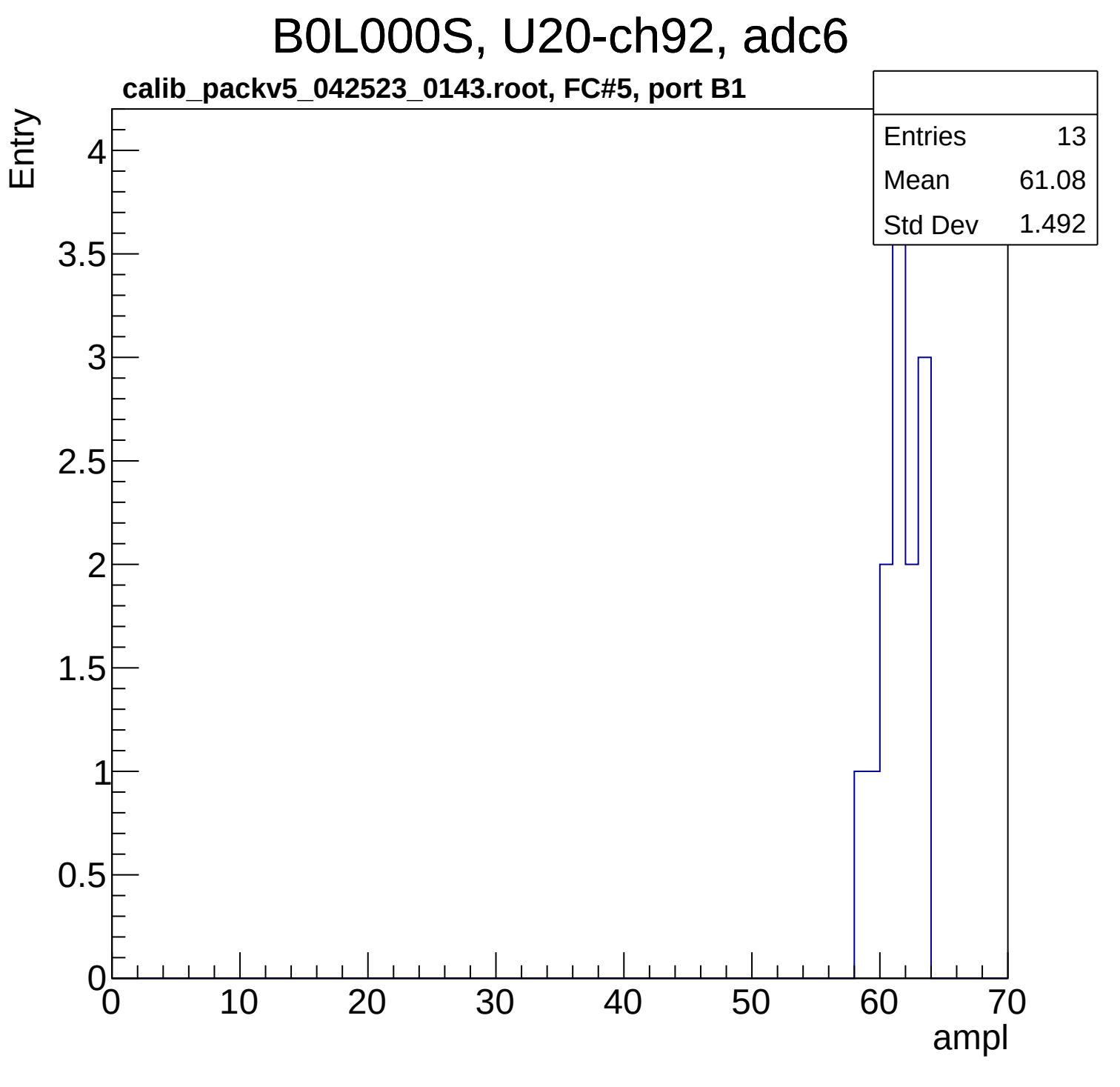
B0L000S, U20-ch92, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 13
Mean 61.08
Std Dev 1.492
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
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20
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40
50
60
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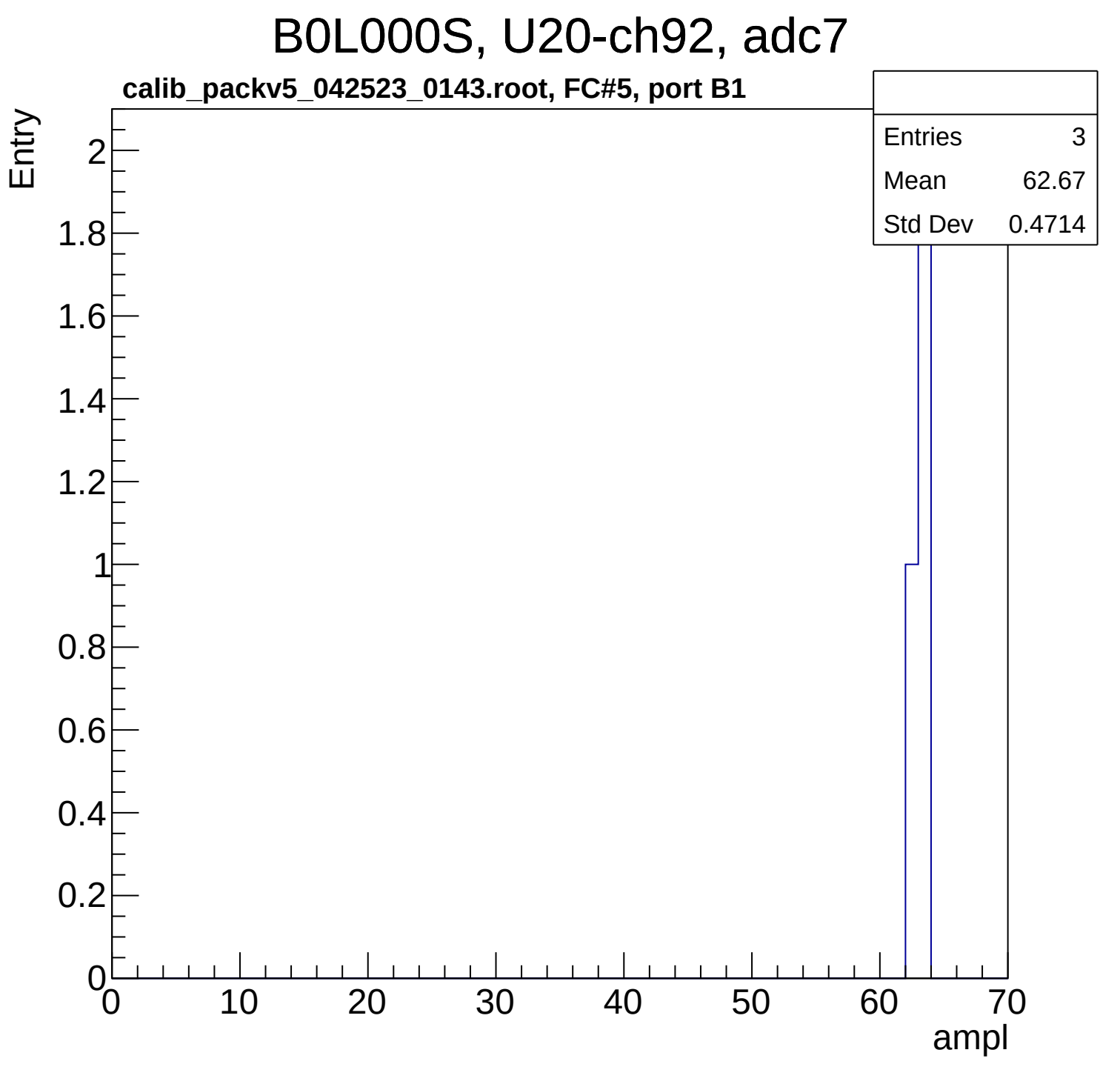
B0L000S, U20-ch92, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 62.67
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
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60
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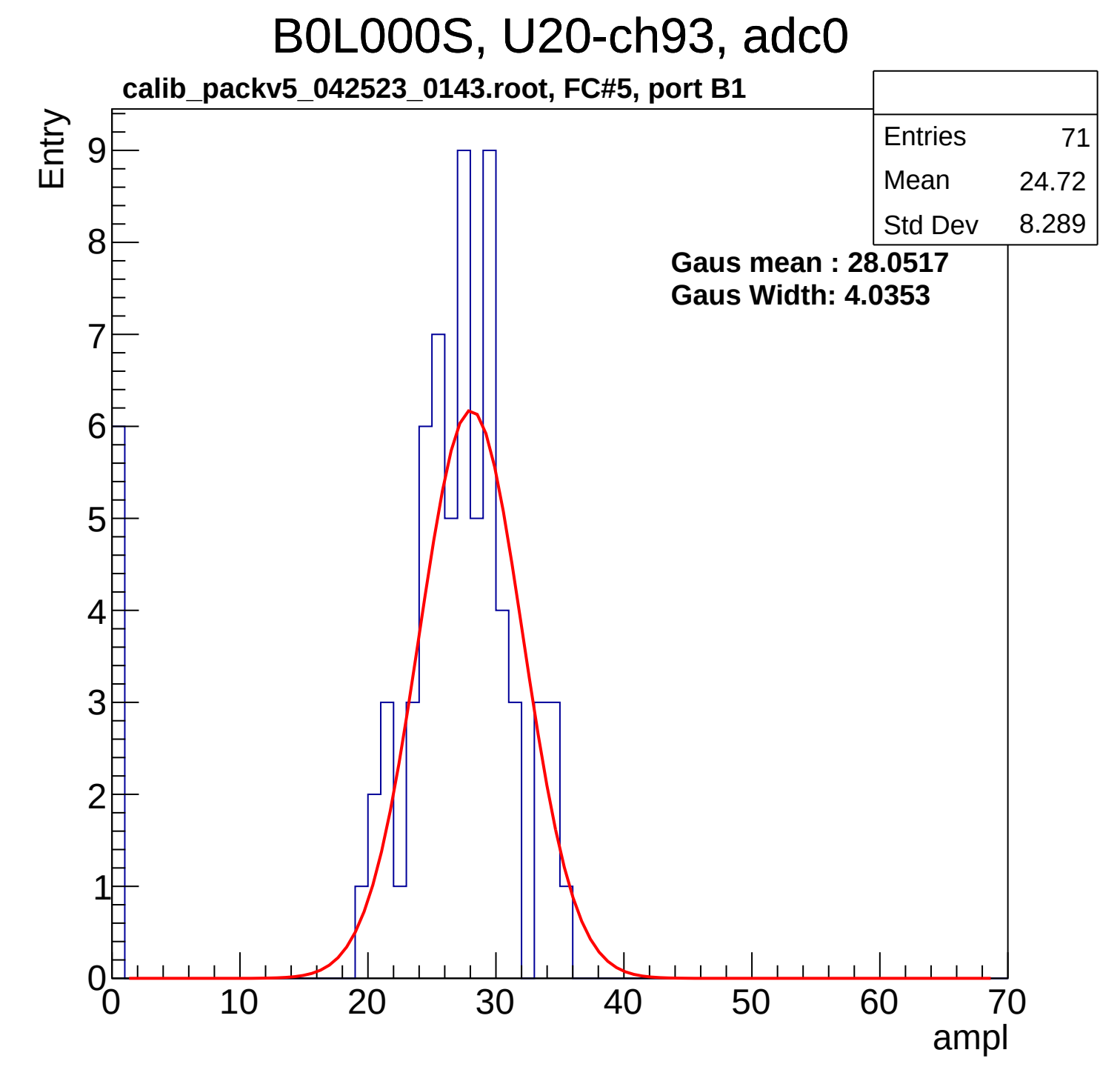
B0L000S, U20-ch93, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 24.72
Std Dev 8.289
Gaus mean : 28.0517
Gaus Width: 4.0353
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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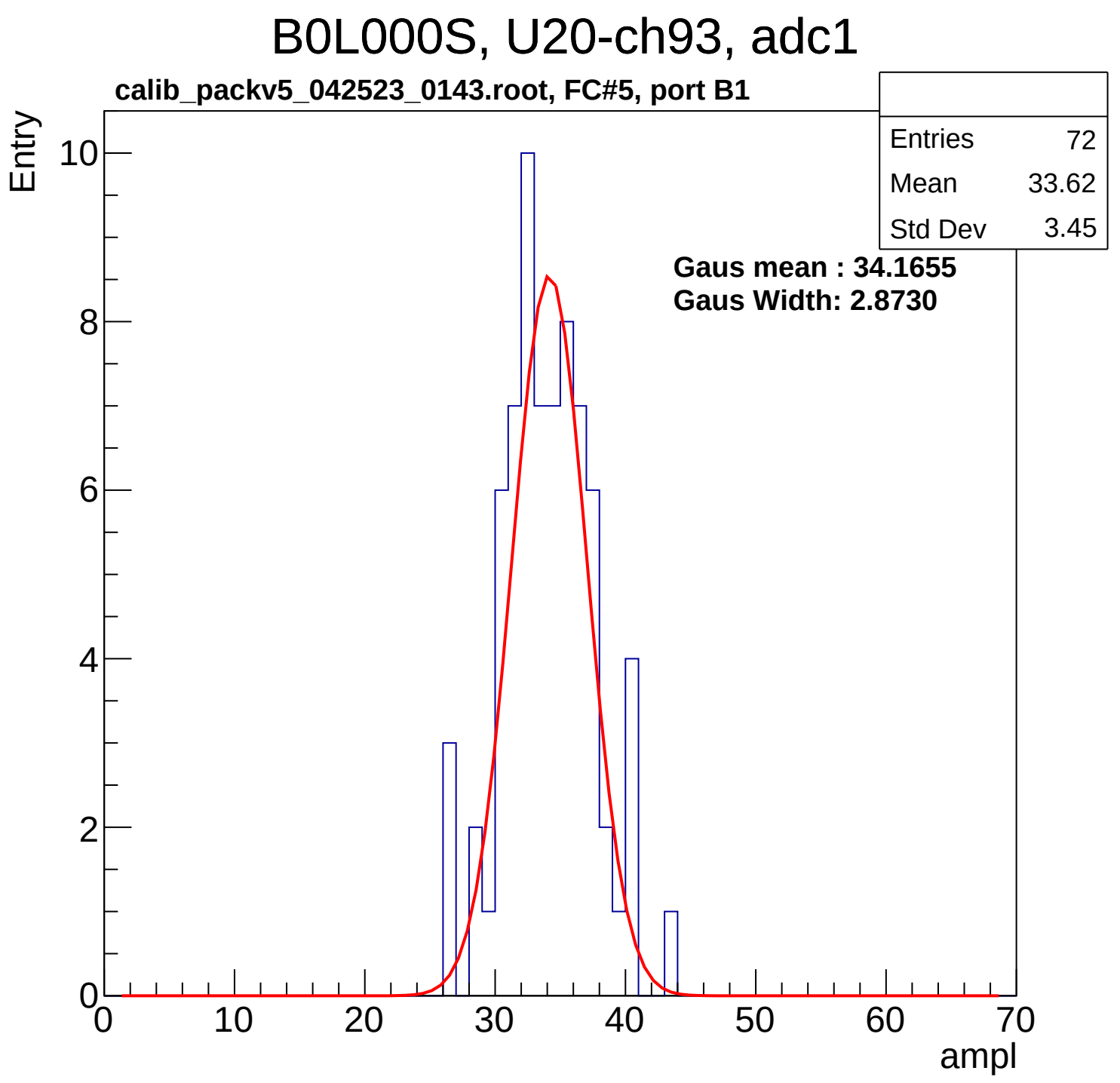
B0L000S, U20-ch93, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 33.62
Std Dev 3.45
Gaus mean : 34.1655
Gaus Width: 2.8730
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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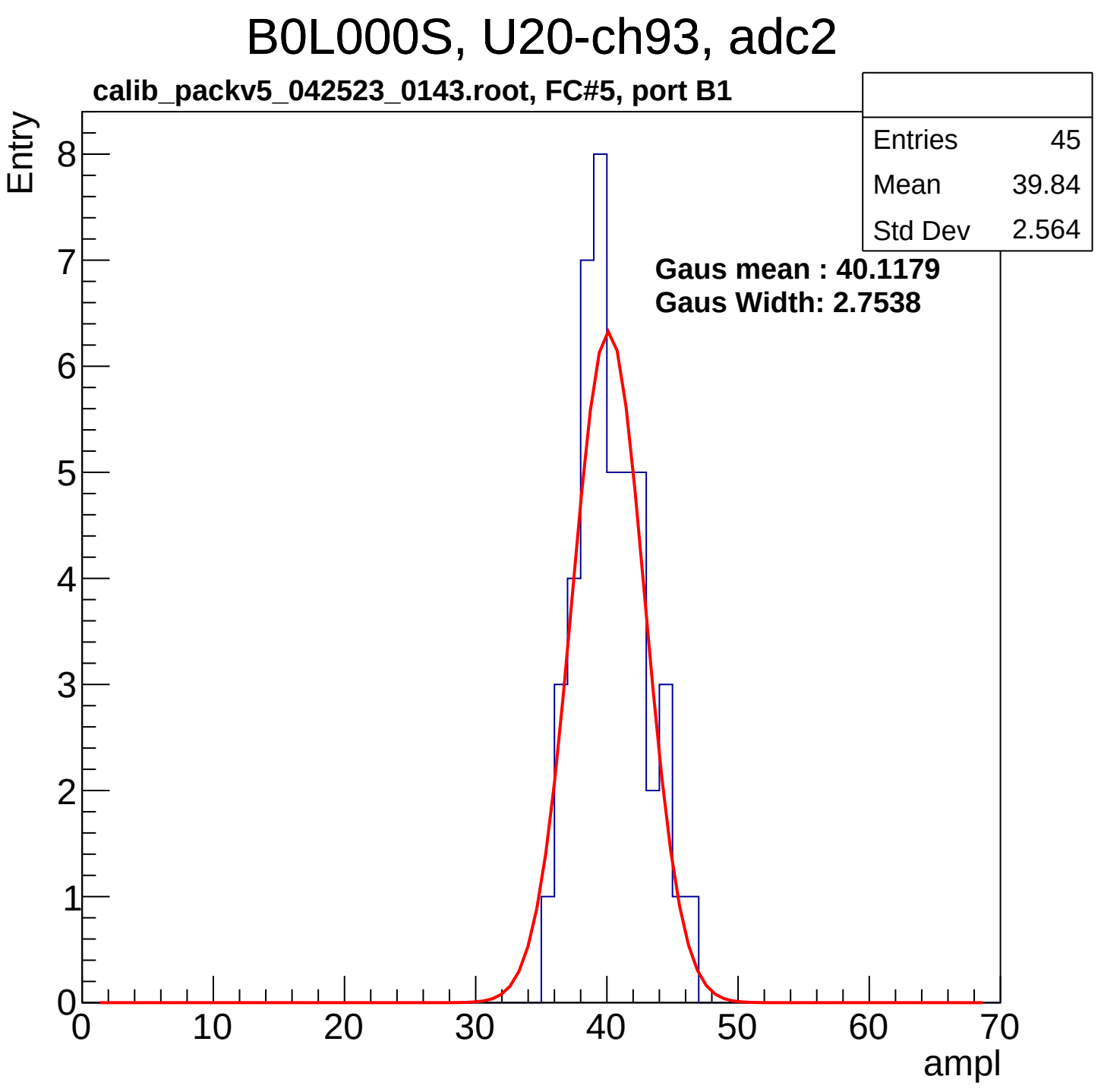
B0L000S, U20-ch93, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 45
Mean 39.84
Std Dev 2.564
Gaus mean : 40.1179
Gaus Width: 2.7538
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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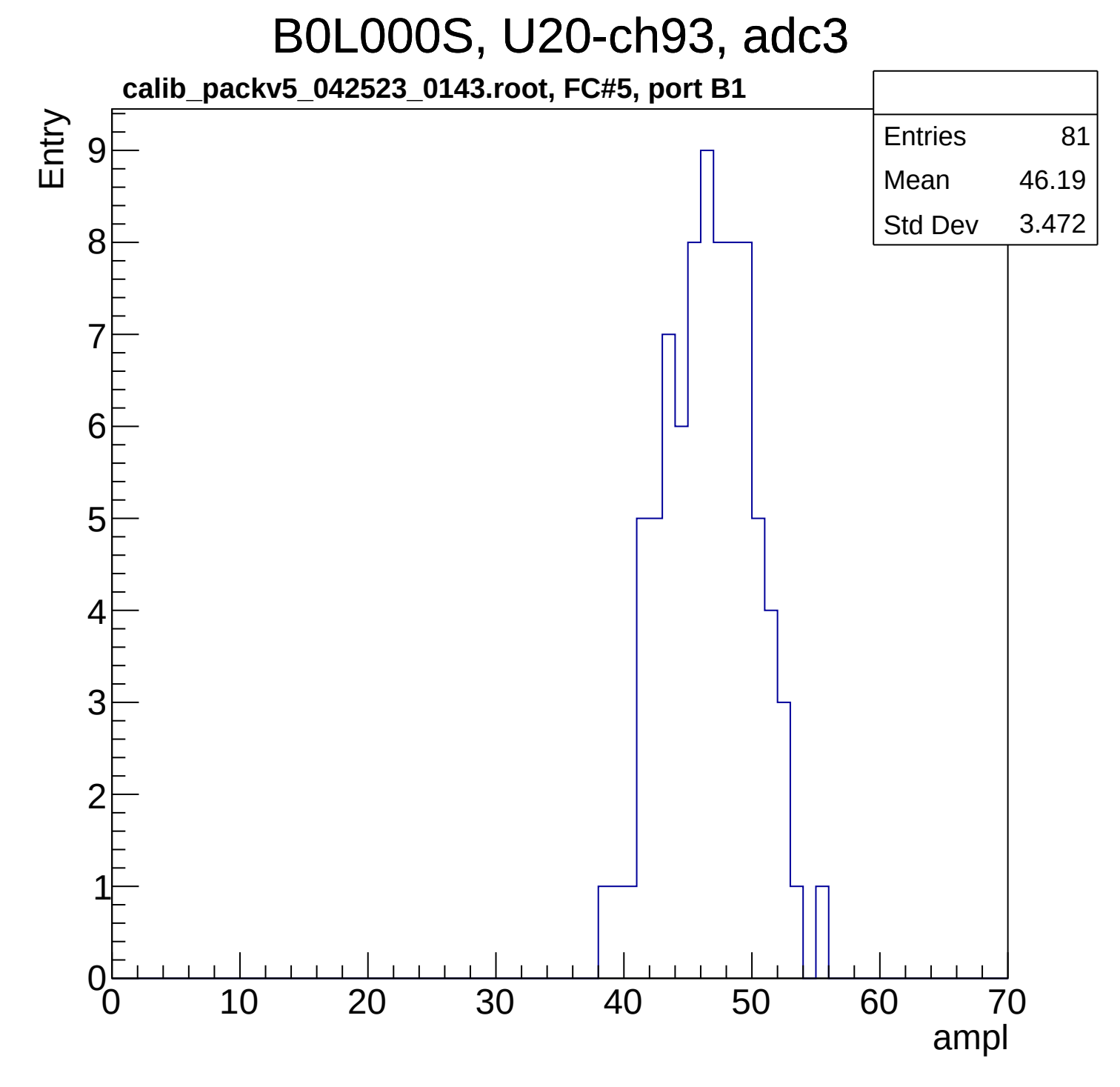
B0L000S, U20-ch93, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 81
Mean 46.19
Std Dev 3.472
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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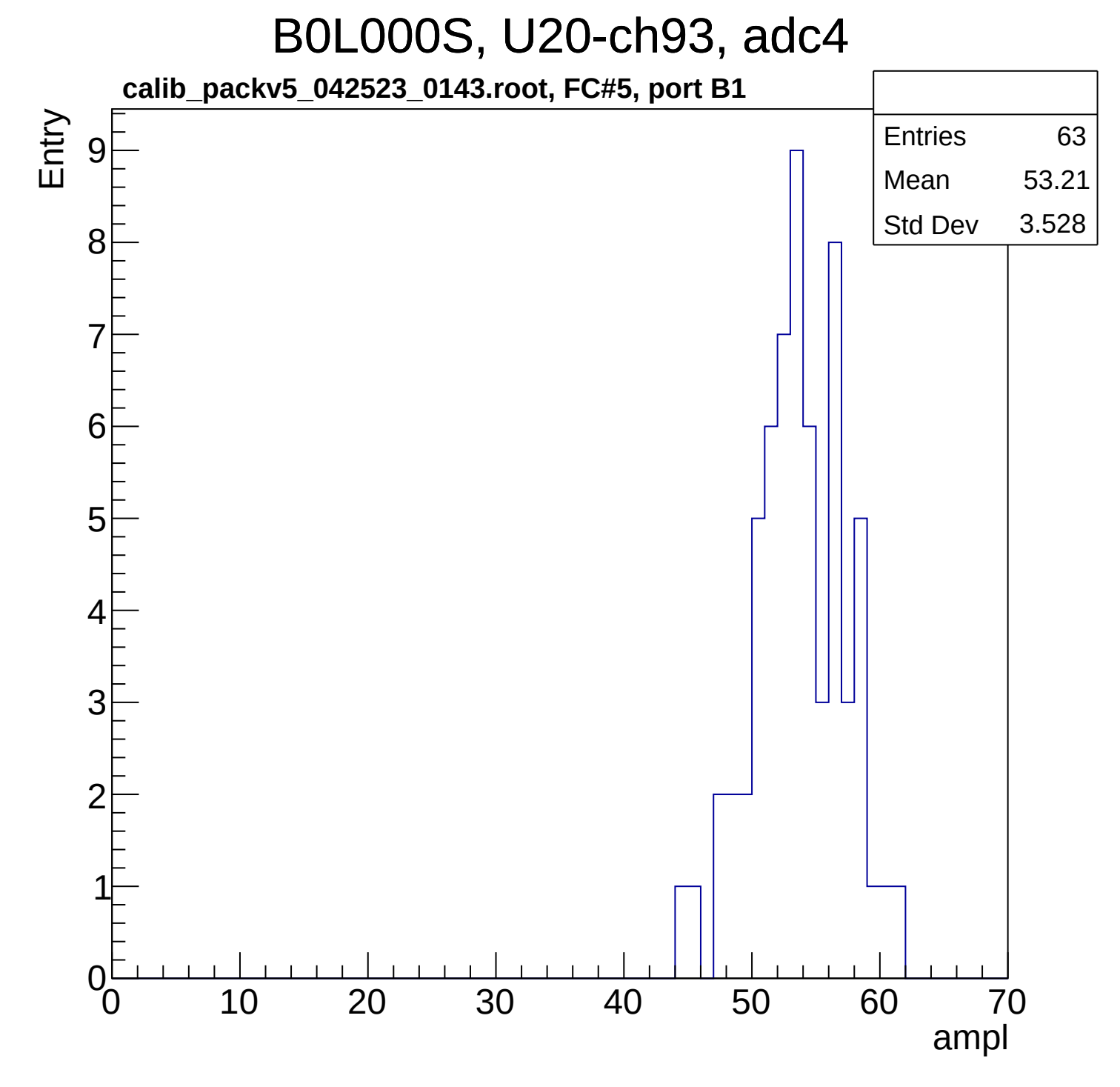
B0L000S, U20-ch93, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 53.21
Std Dev 3.528
Entry
ampl
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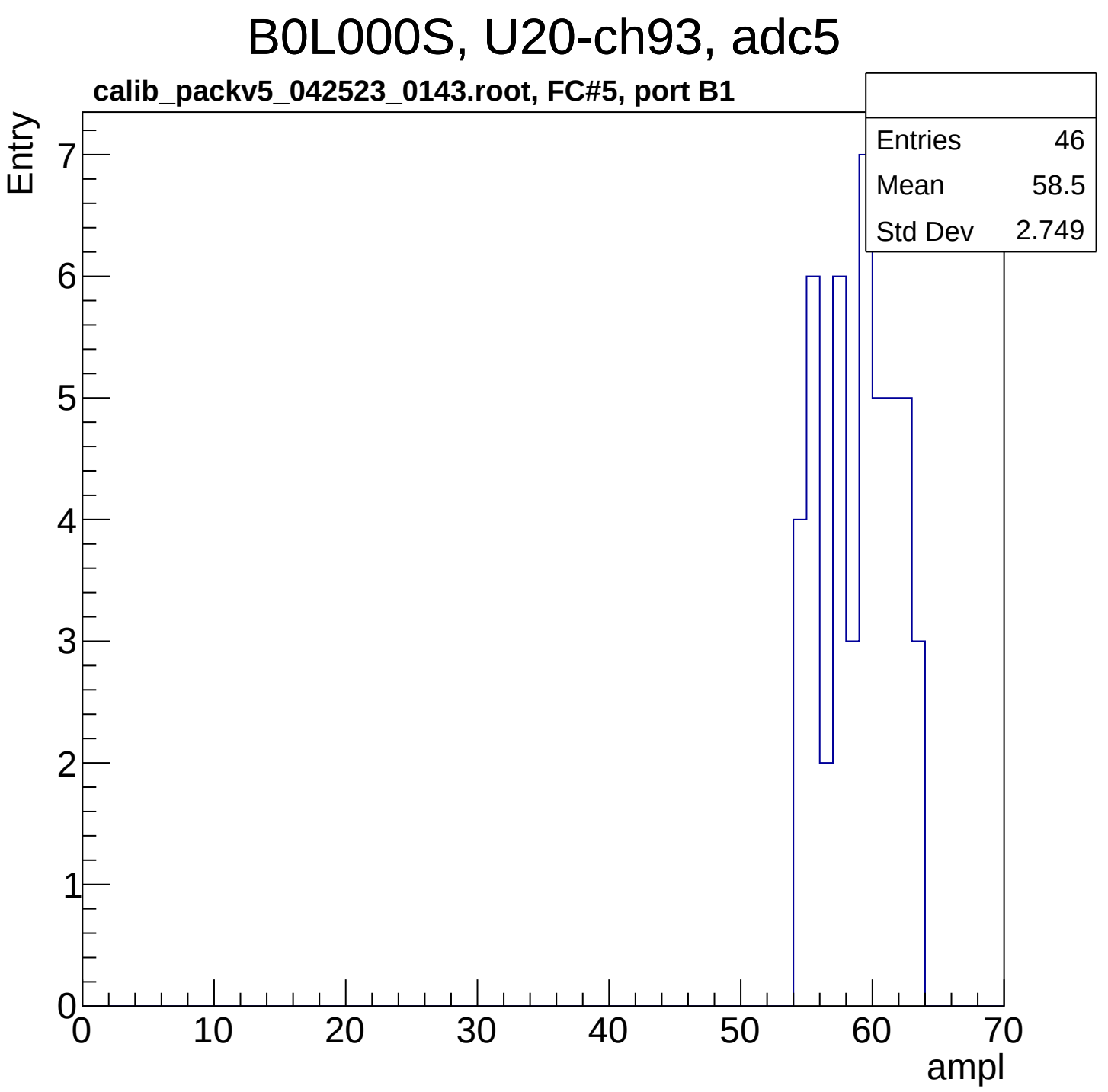
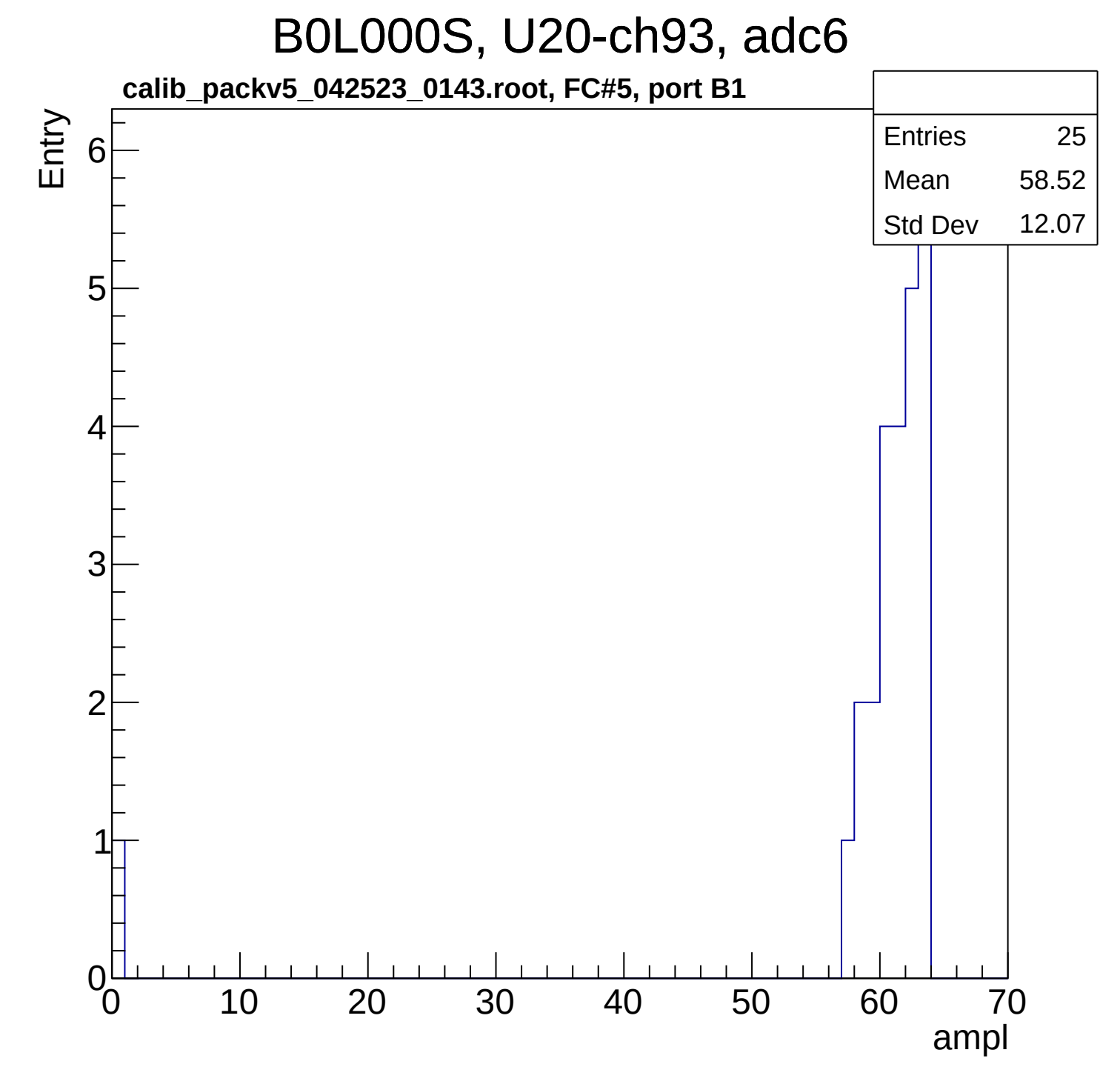
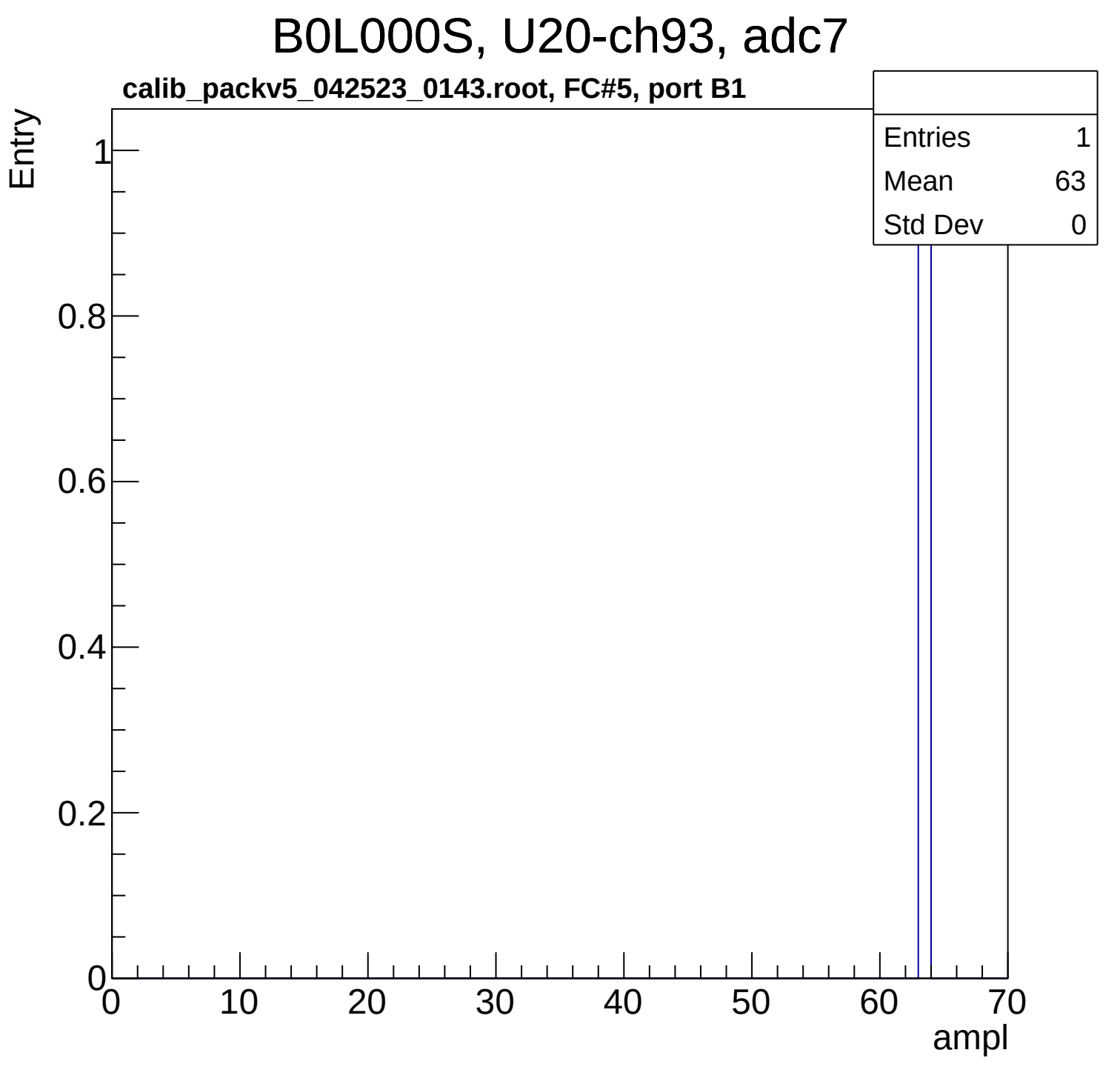
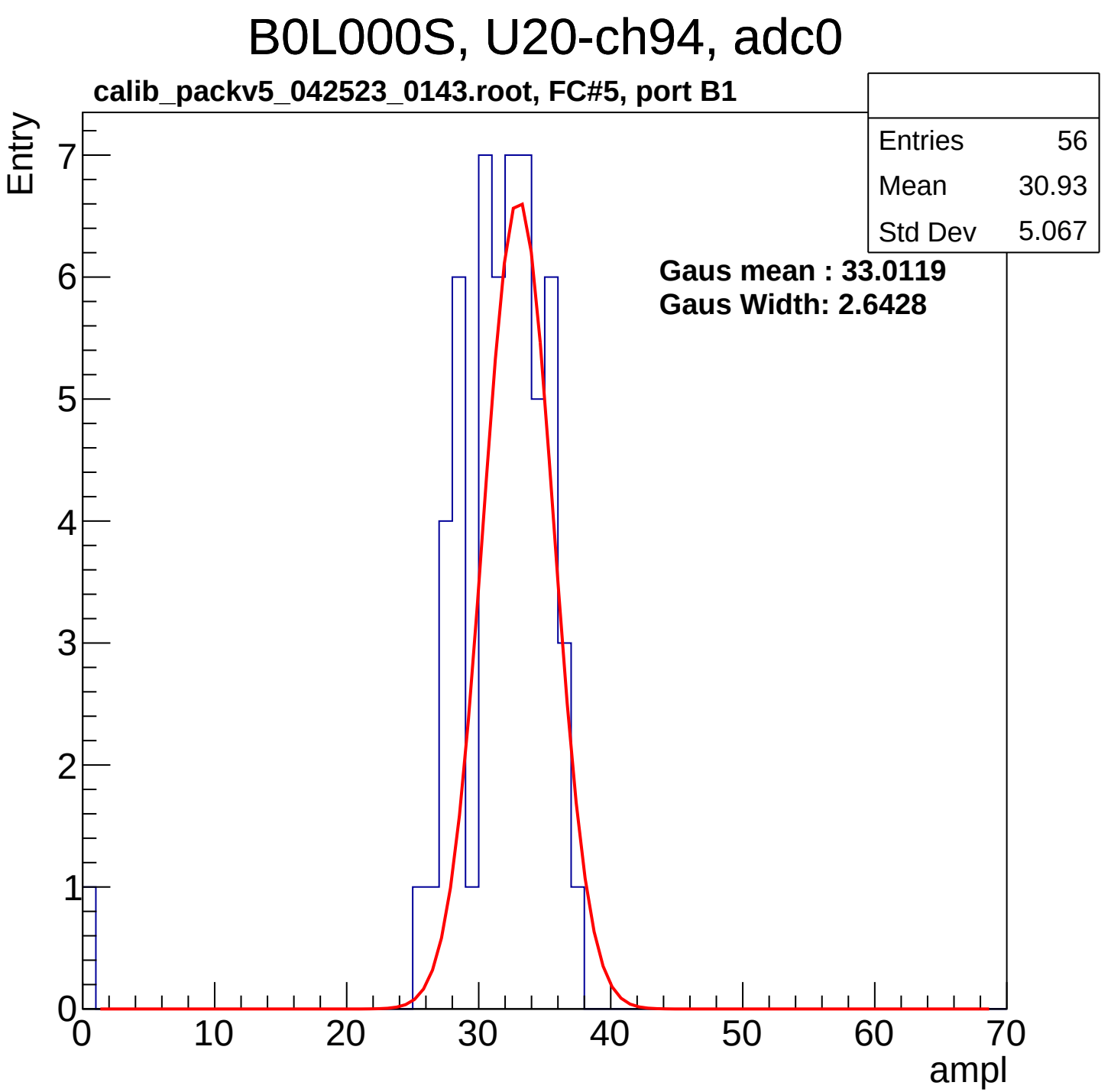
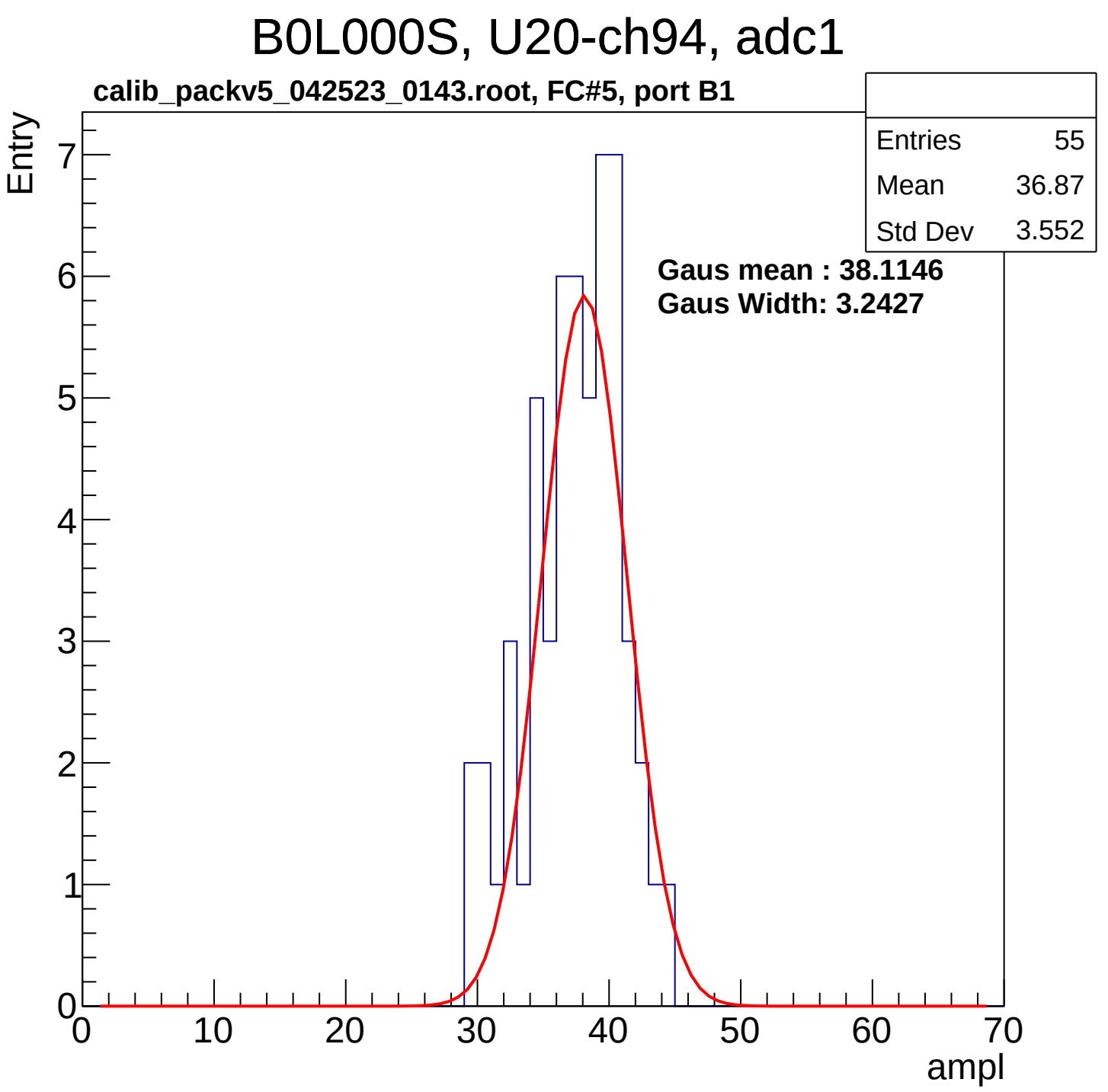
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch93, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 58.5
Std Dev 2.749
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch93, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 25
Mean 58.52
Std Dev 12.07
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch93, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch94, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 30.93
Std Dev 5.067
Gaus mean : 33.0119
Gaus Width: 2.6428
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch94, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 36.87
Std Dev 3.552
Gaus mean : 38.1146
Gaus Width: 3.2427
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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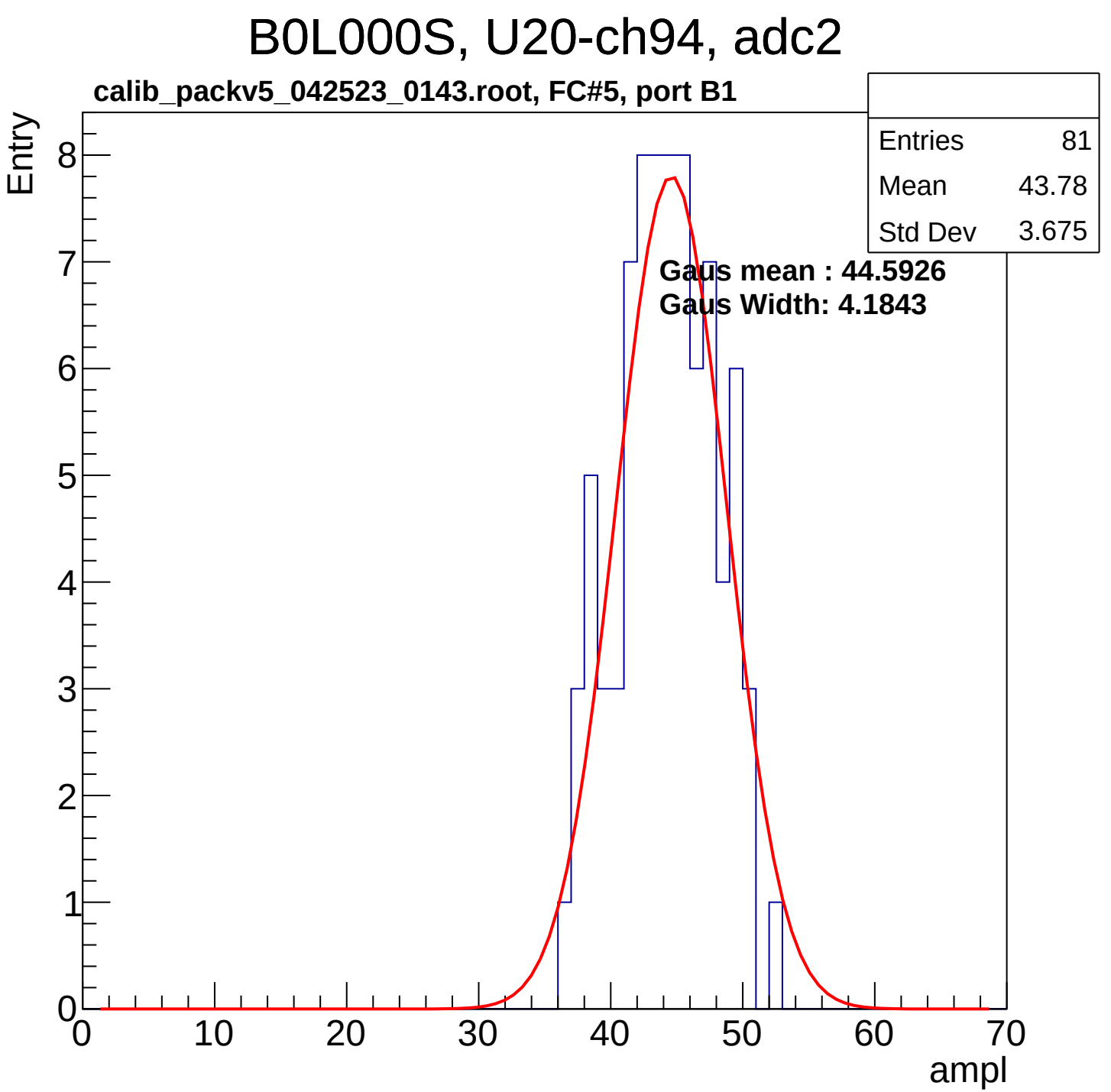
B0L000S, U20-ch94, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 81
Mean 43.78
Std Dev 3.675
Gaus mean : 44.5926
Gaus Width: 4.1843
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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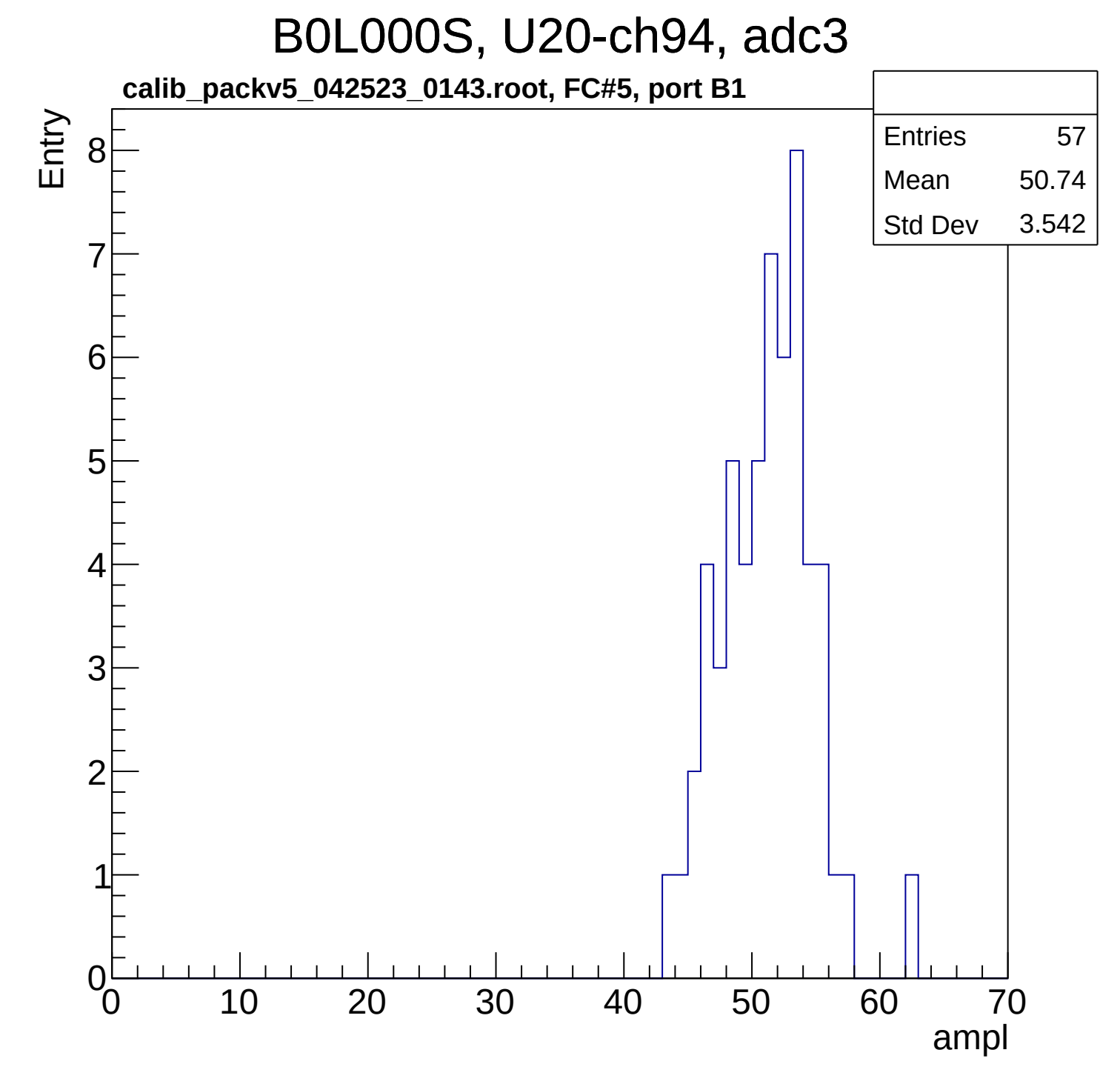
B0L000S, U20-ch94, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 50.74
Std Dev 3.542
Entry
ampl
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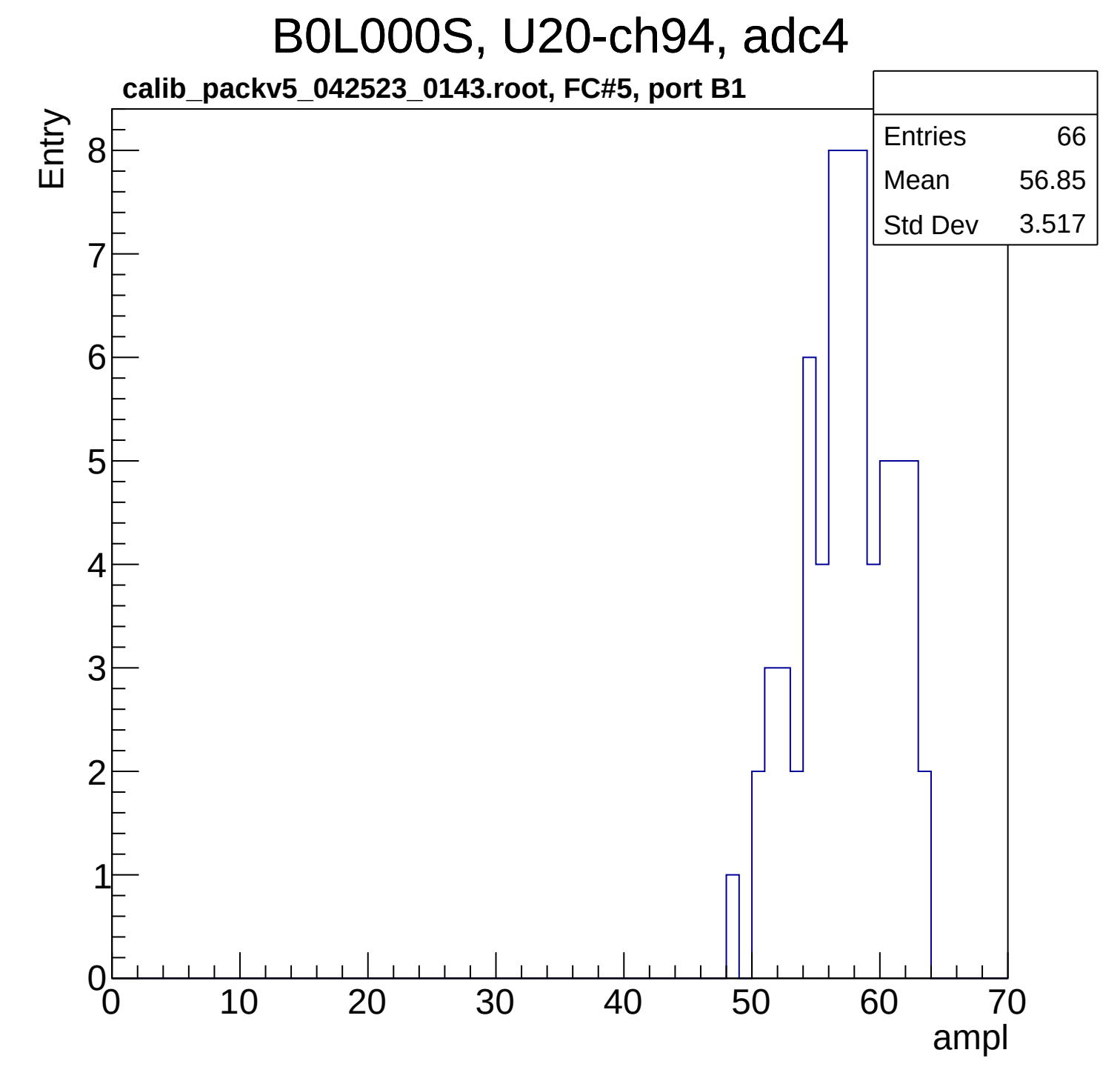
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch94, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 56.85
Std Dev 3.517
Entry
ampl
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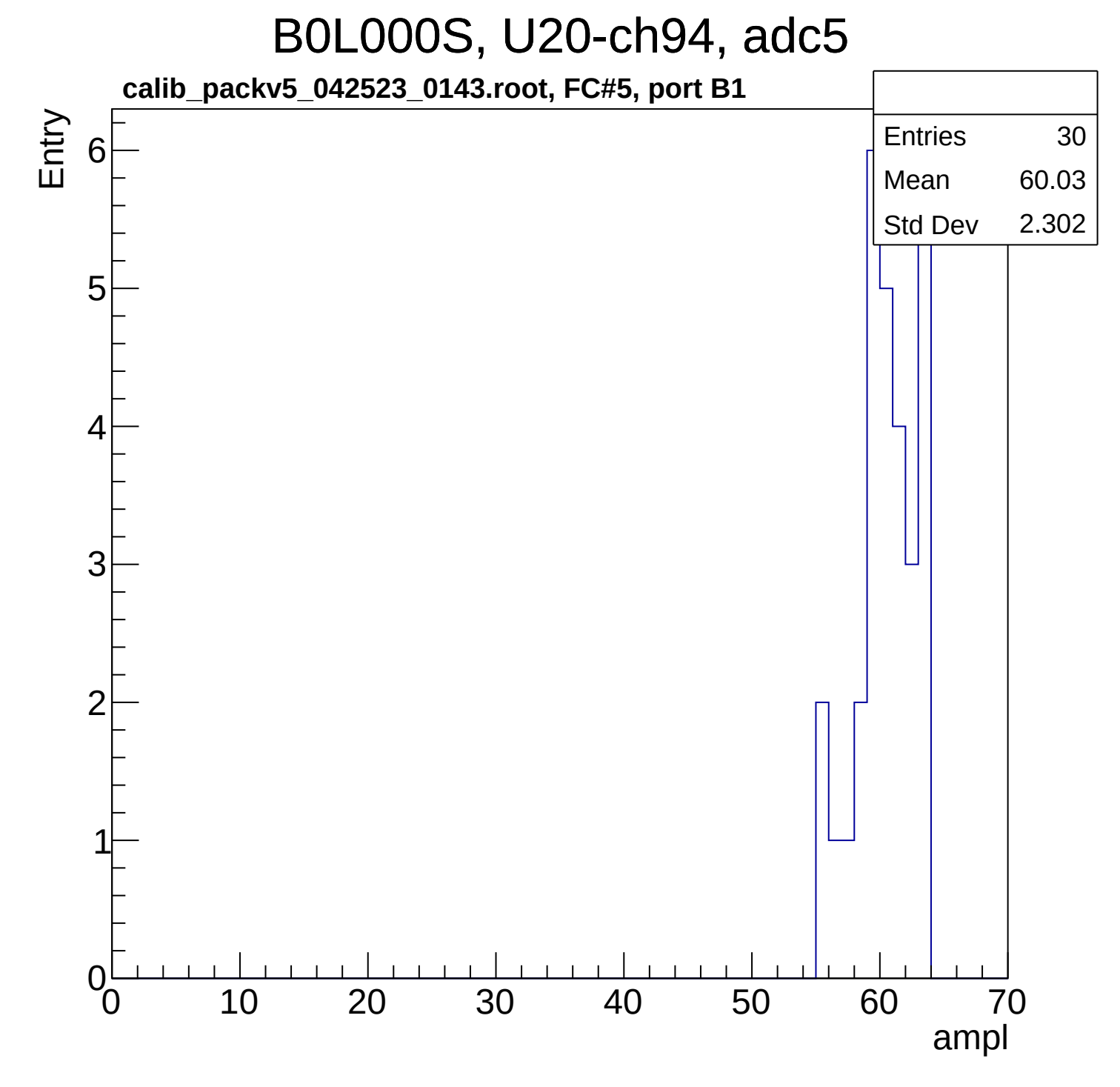
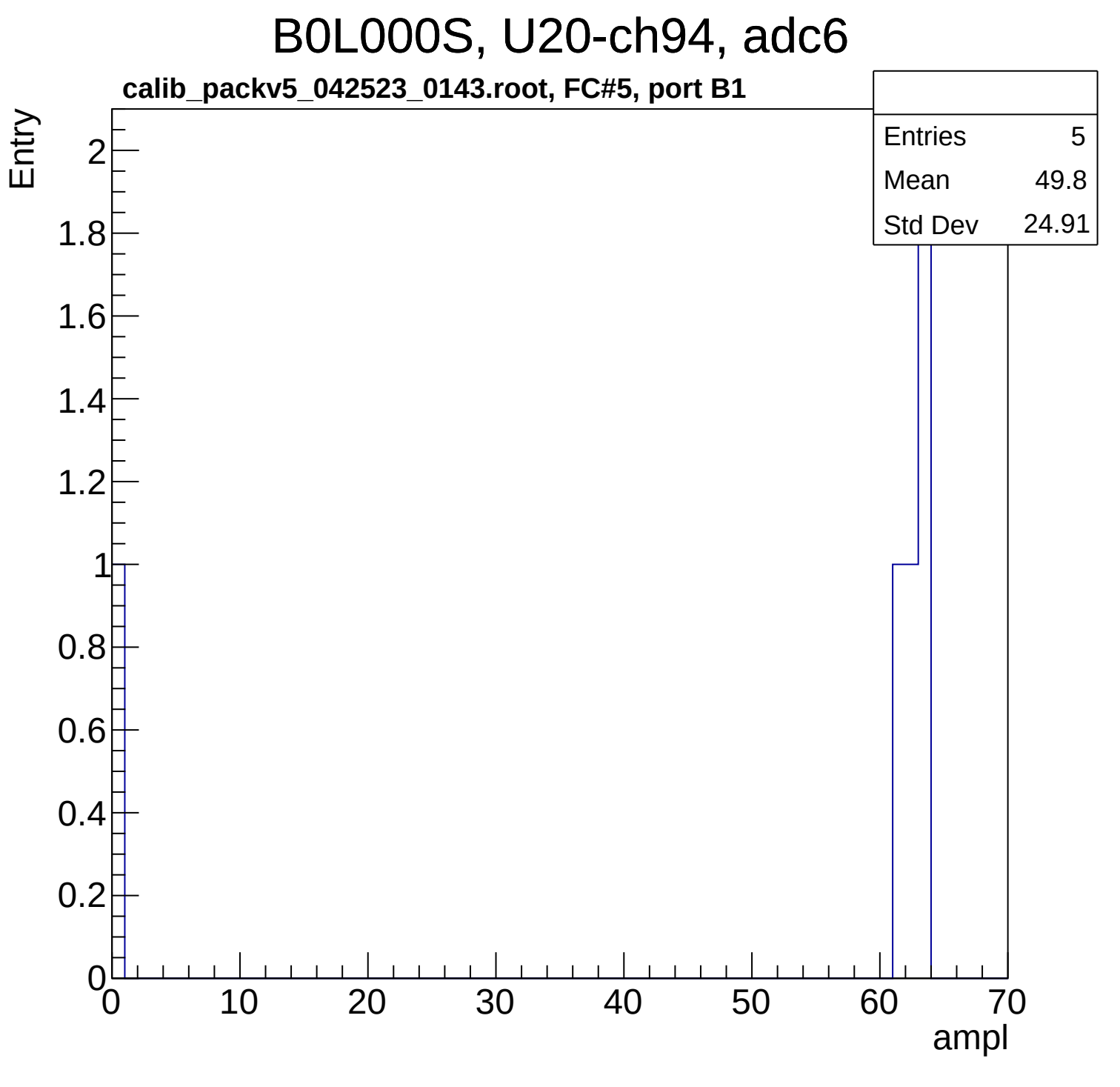
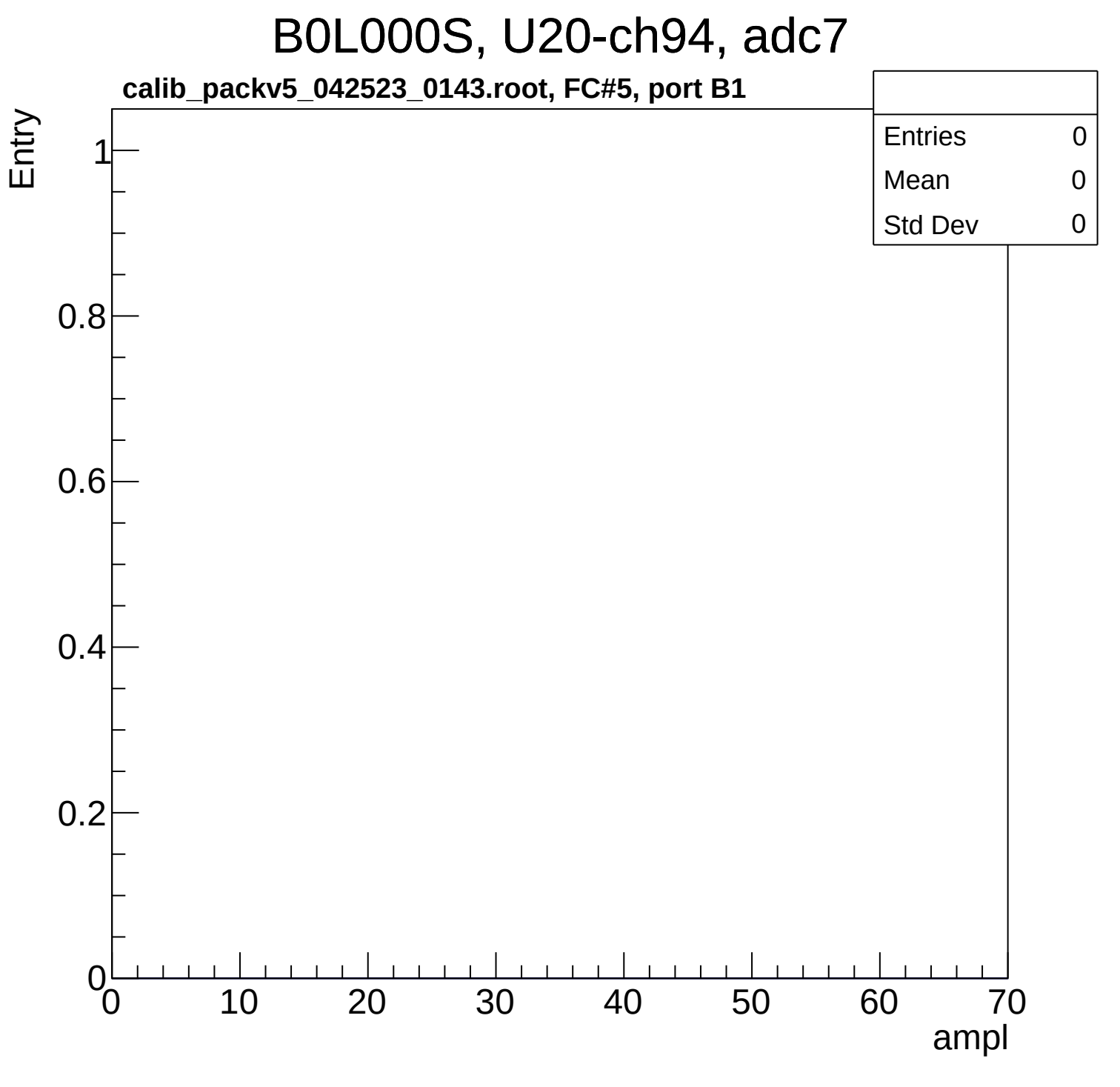
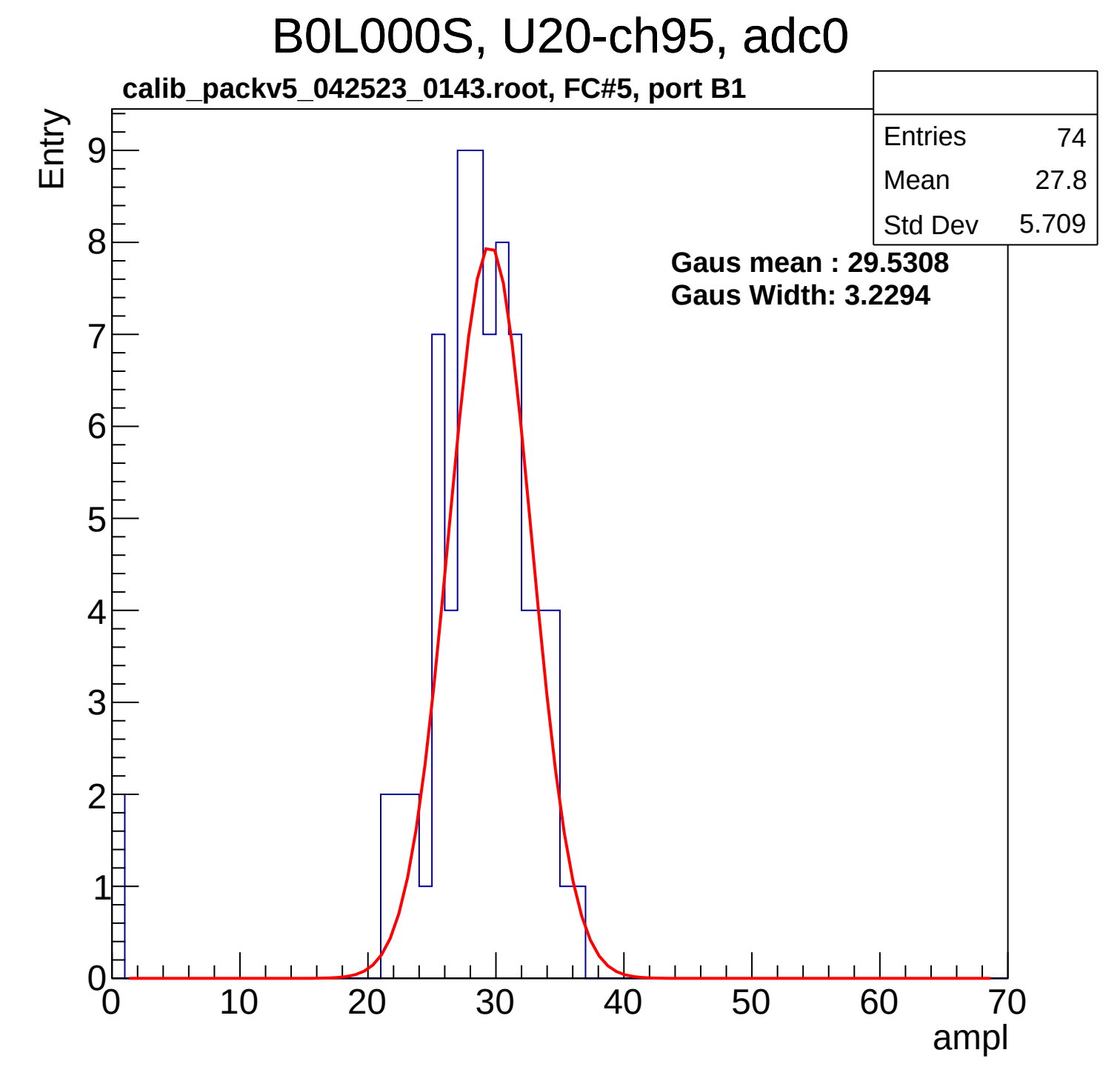
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch94, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 30
Mean 60.03
Std Dev 2.302
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L000S, U20-ch94, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 49.8
Std Dev 24.91
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch94, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch95, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 27.8
Std Dev 5.709
Gaus mean : 29.5308
Gaus Width: 3.2294
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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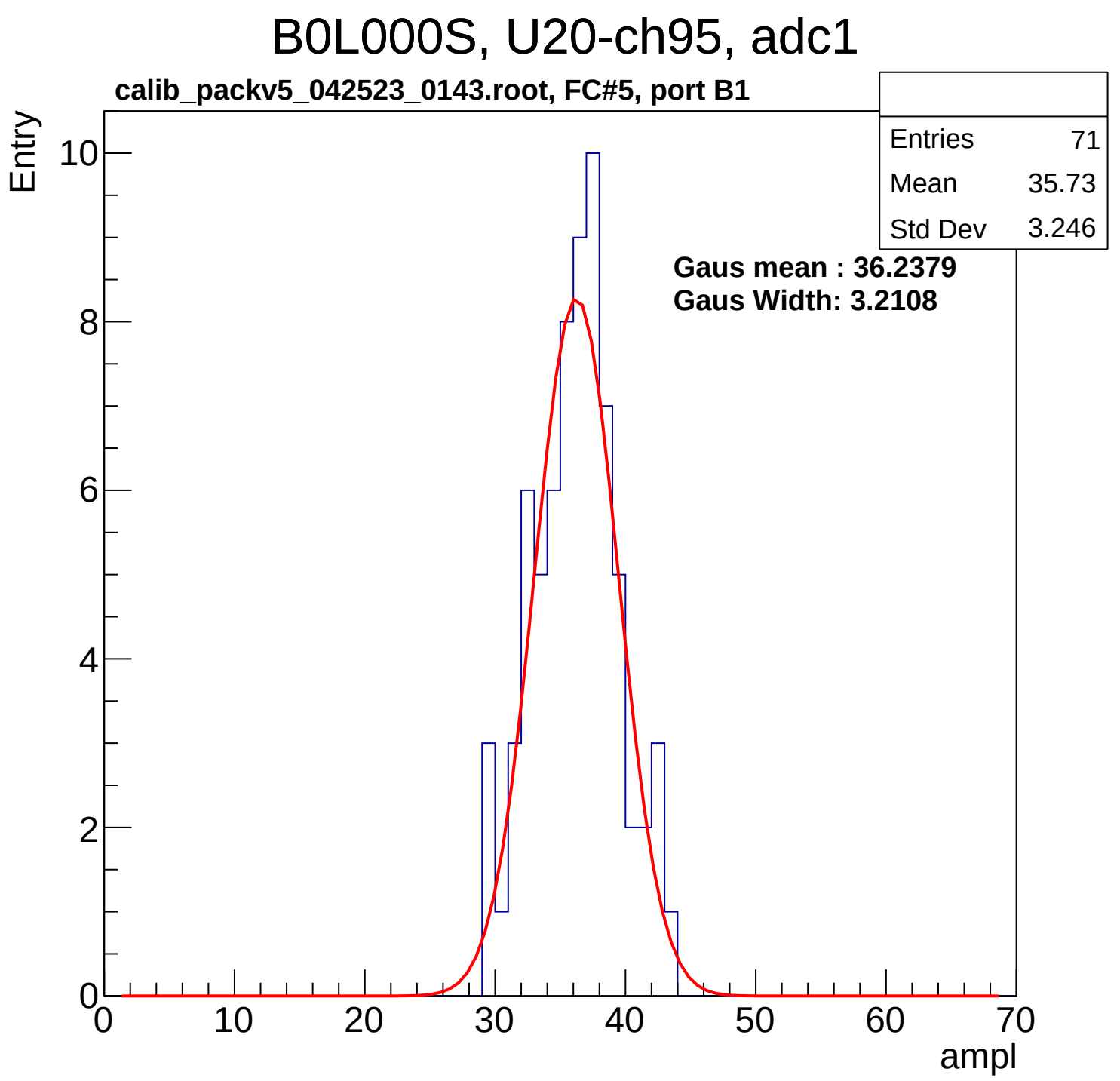
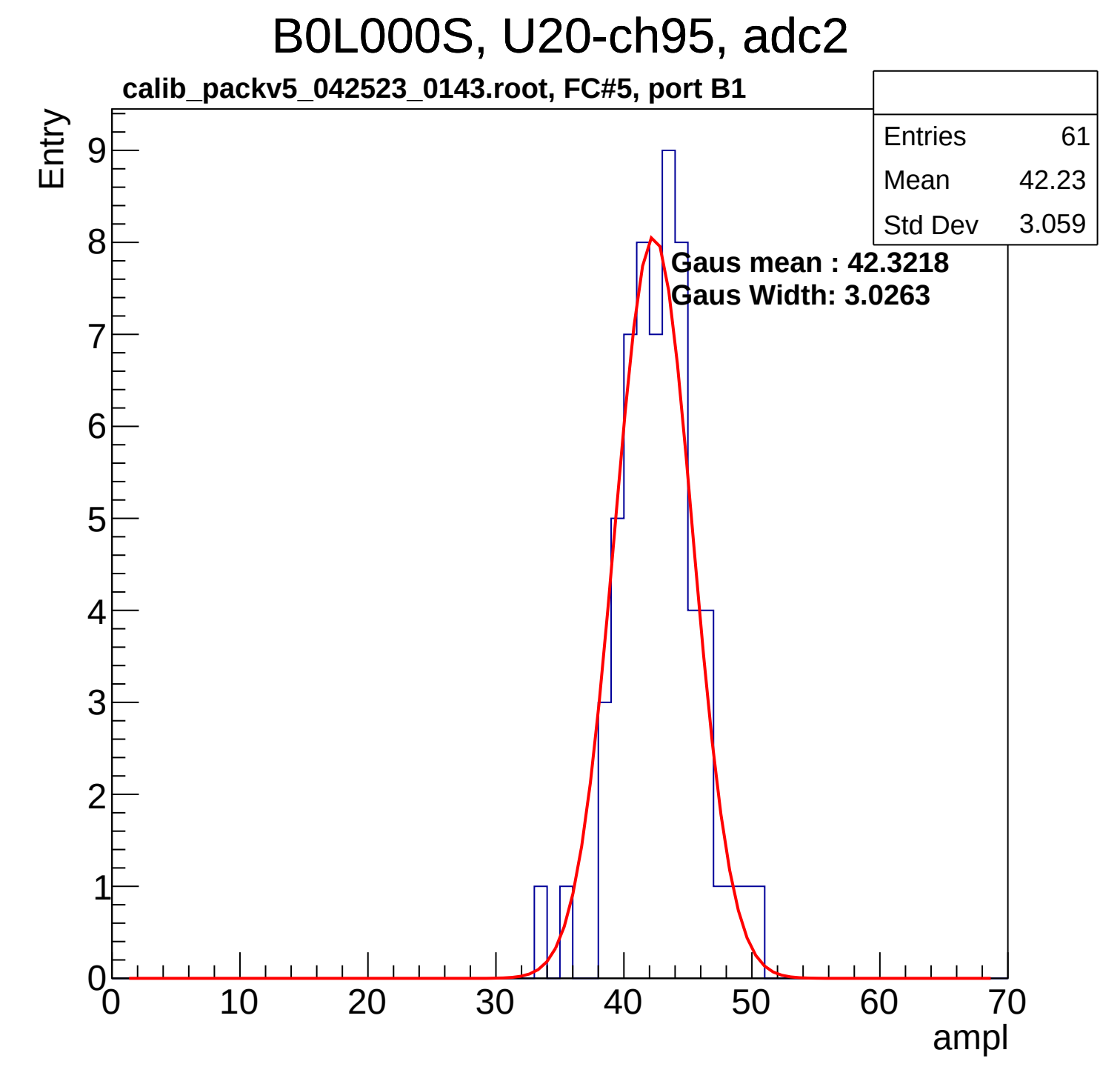

B0L000S, U20-ch95, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 35.73
Std Dev 3.246
Gaus mean : 36.2379
Gaus Width: 3.2108
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch95, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 42.23
Std Dev 3.059
Gaus mean : 42.3218
Gaus Width: 3.0263
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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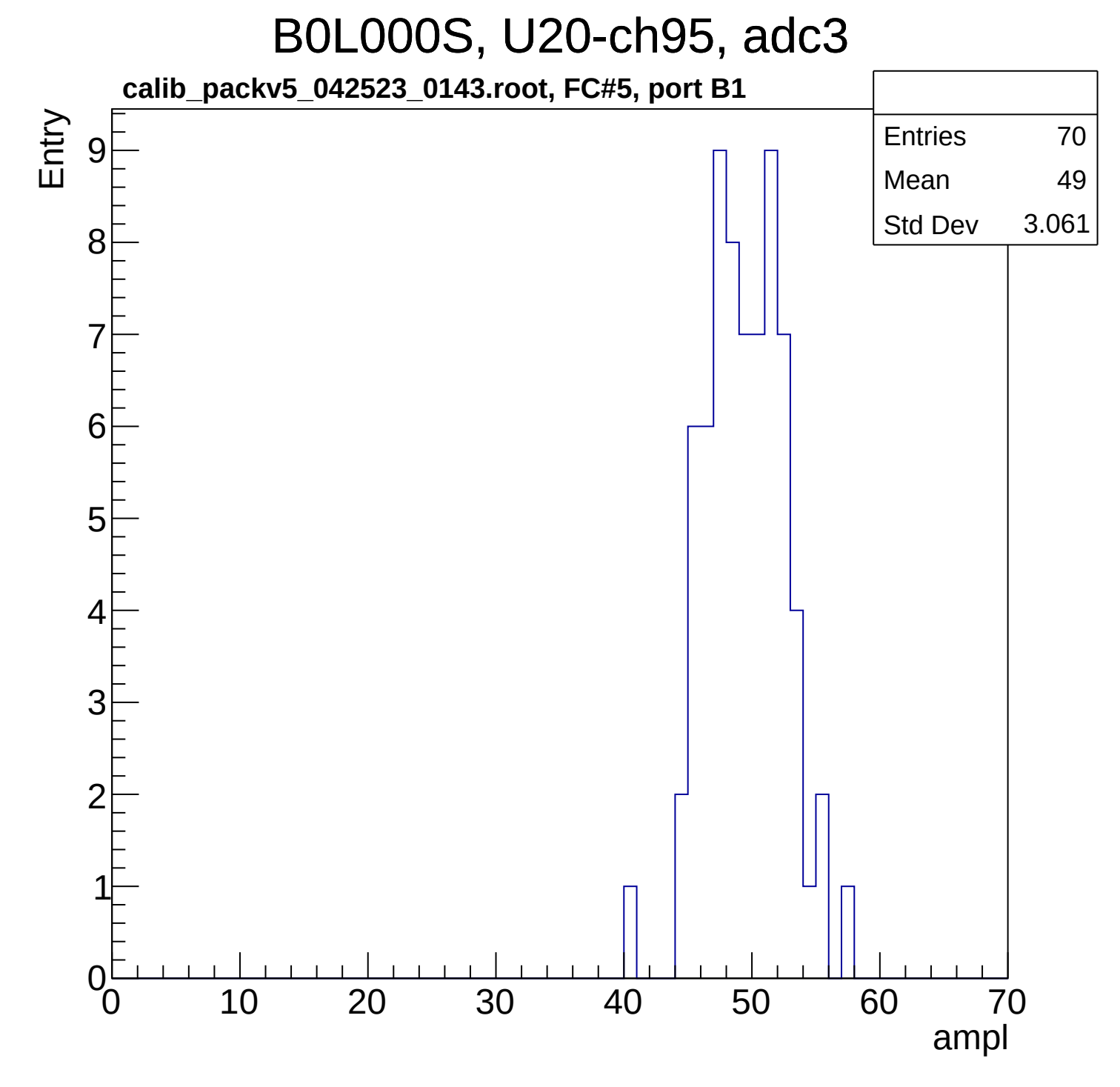
B0L000S, U20-ch95, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 49
Std Dev 3.061
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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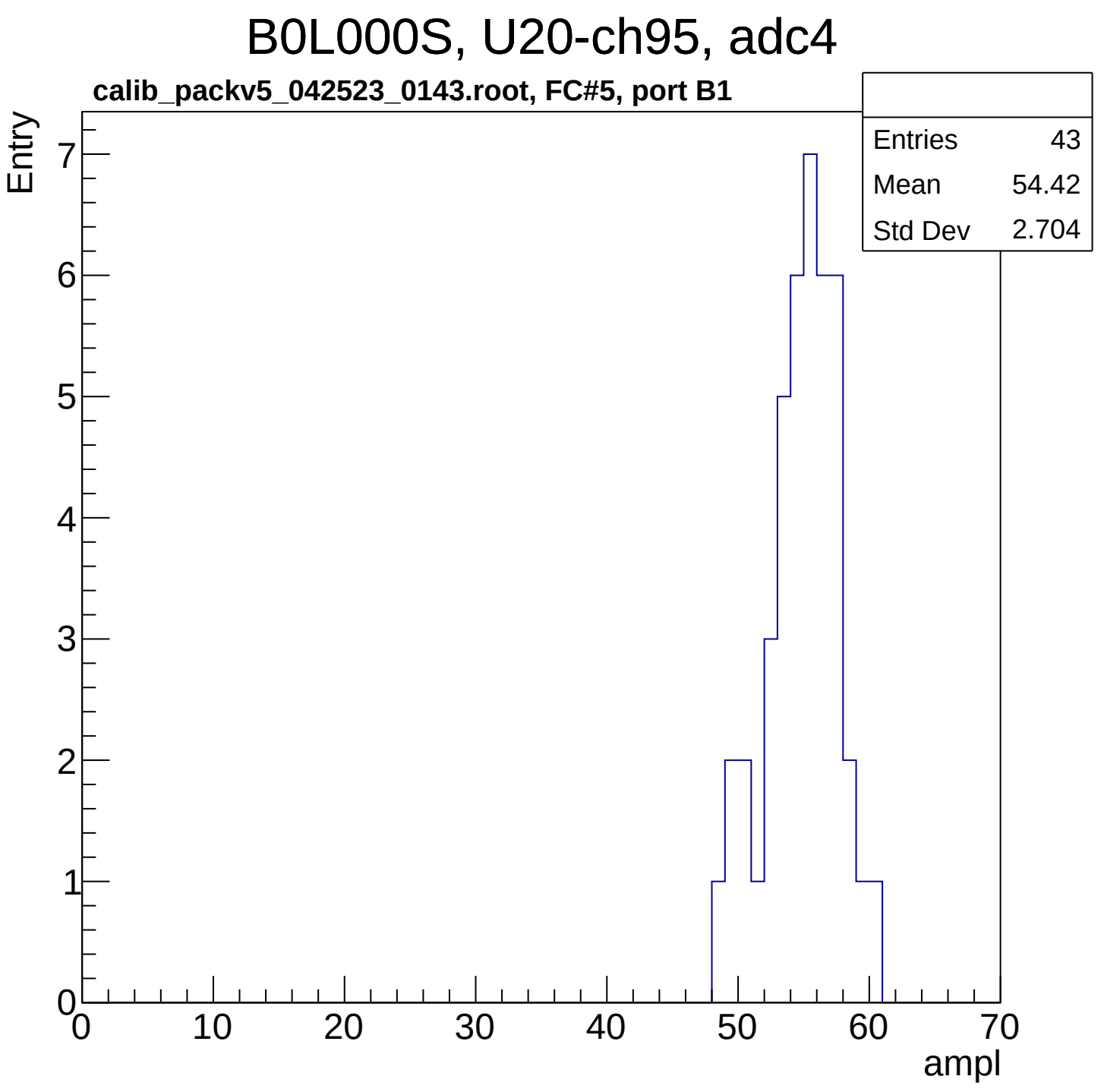
60
70


B0L000S, U20-ch95, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 54.42
Std Dev 2.704
Entry
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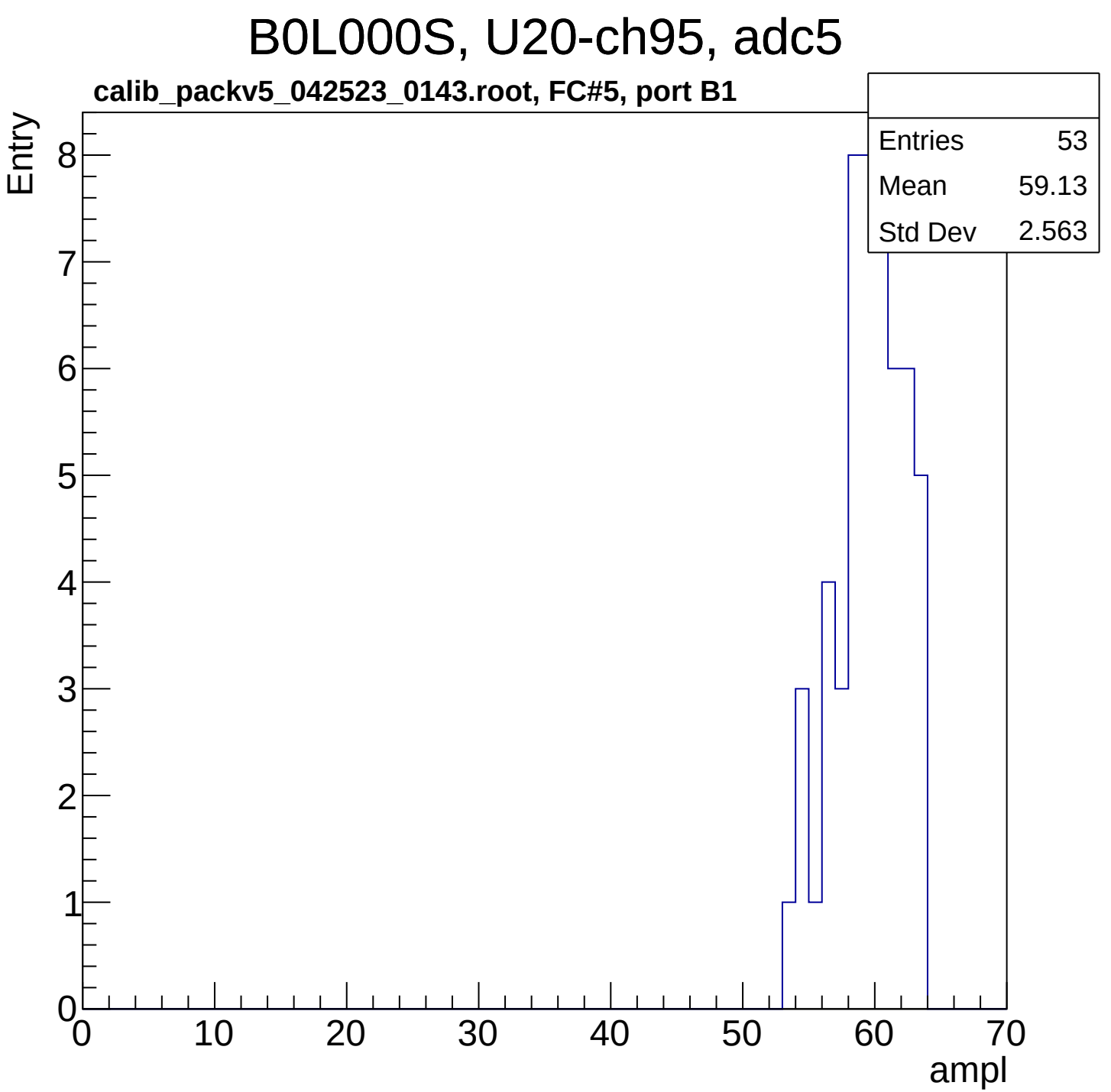
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch95, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 59.13
Std Dev 2.563
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
30
40
50
60
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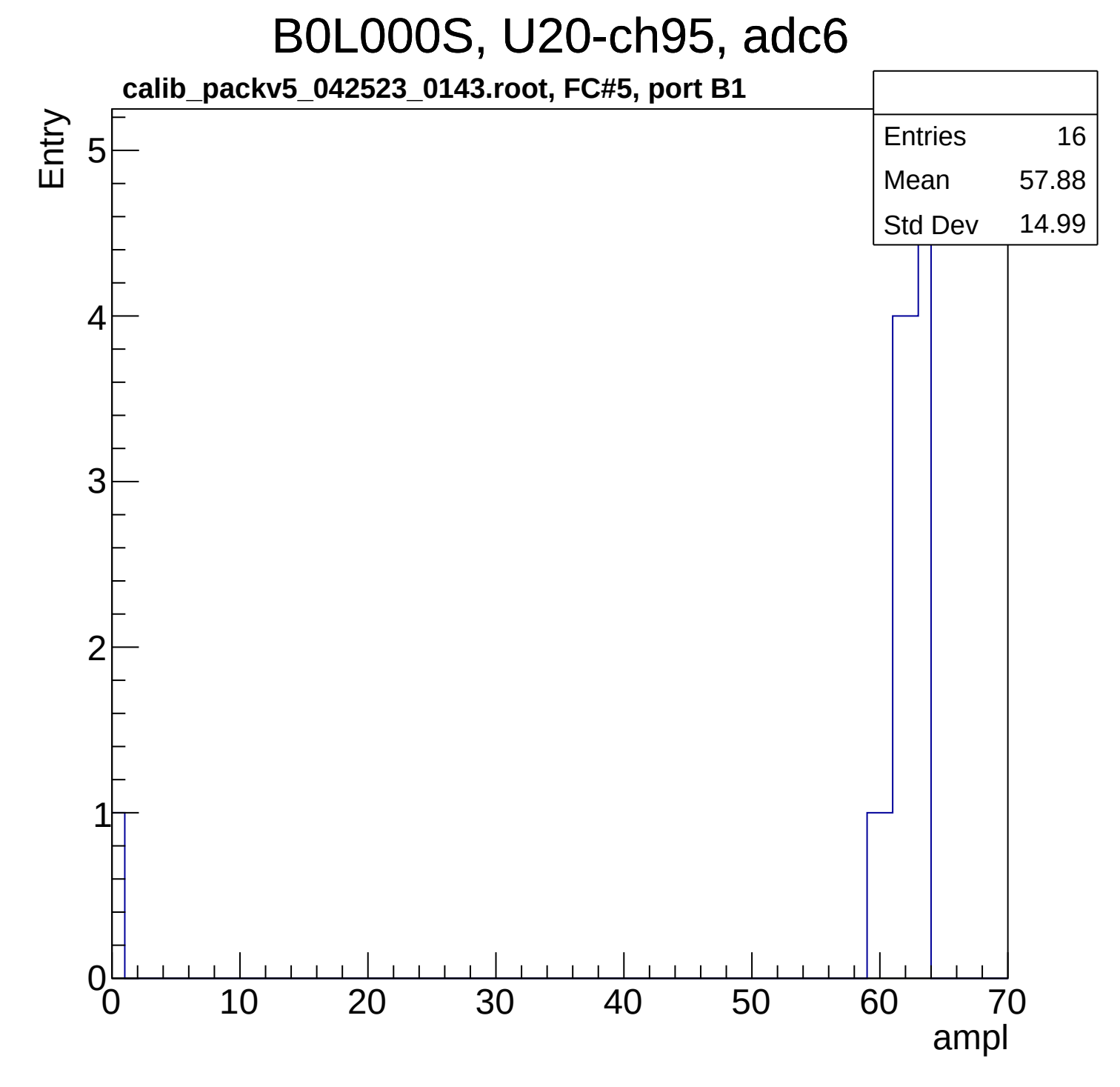
B0L000S, U20-ch95, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 16
Mean 57.88
Std Dev 14.99
Entry
ampl
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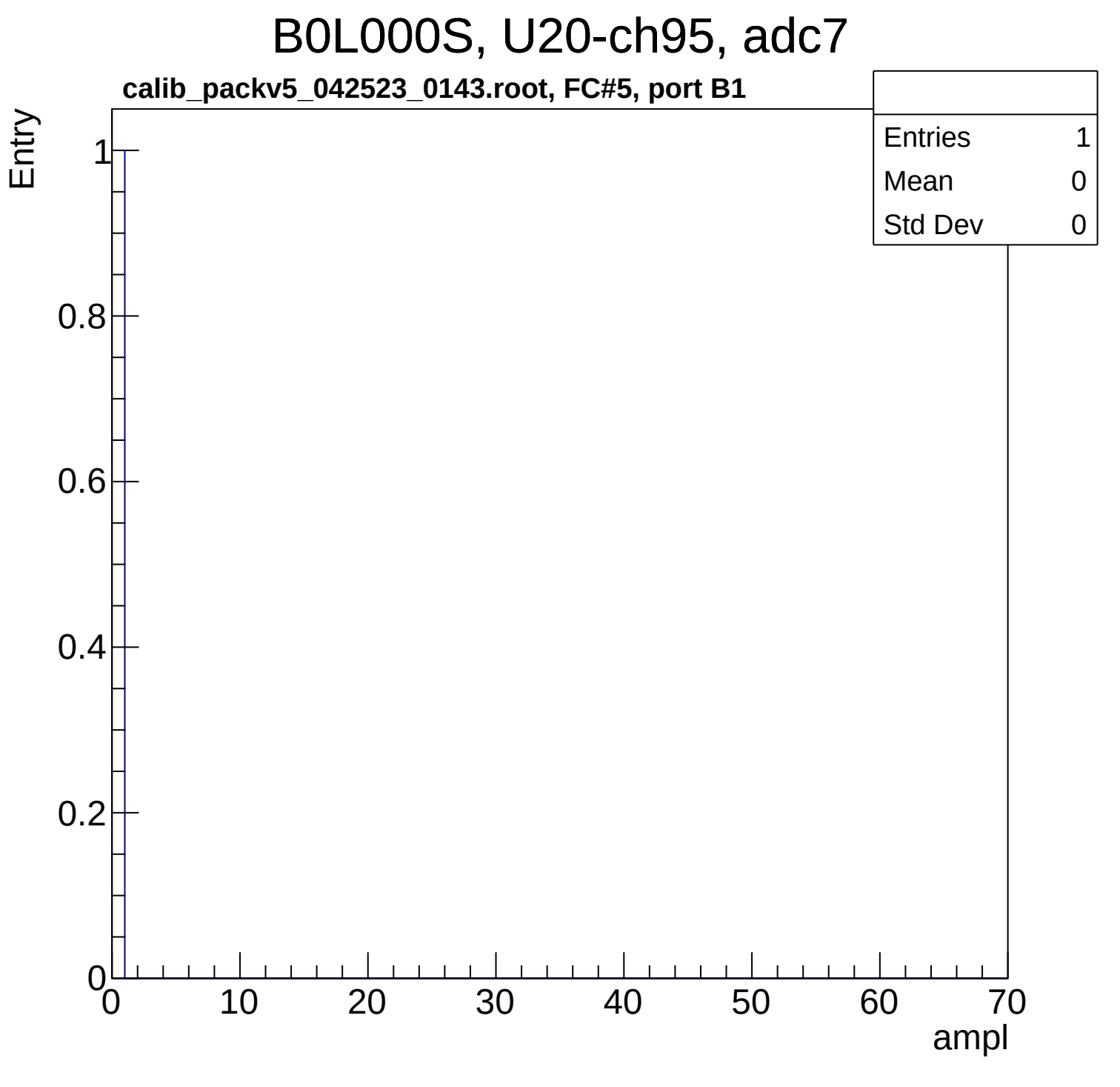
1
2
3
4
5
0
10
20
30
40
50
60
70


B0L000S, U20-ch95, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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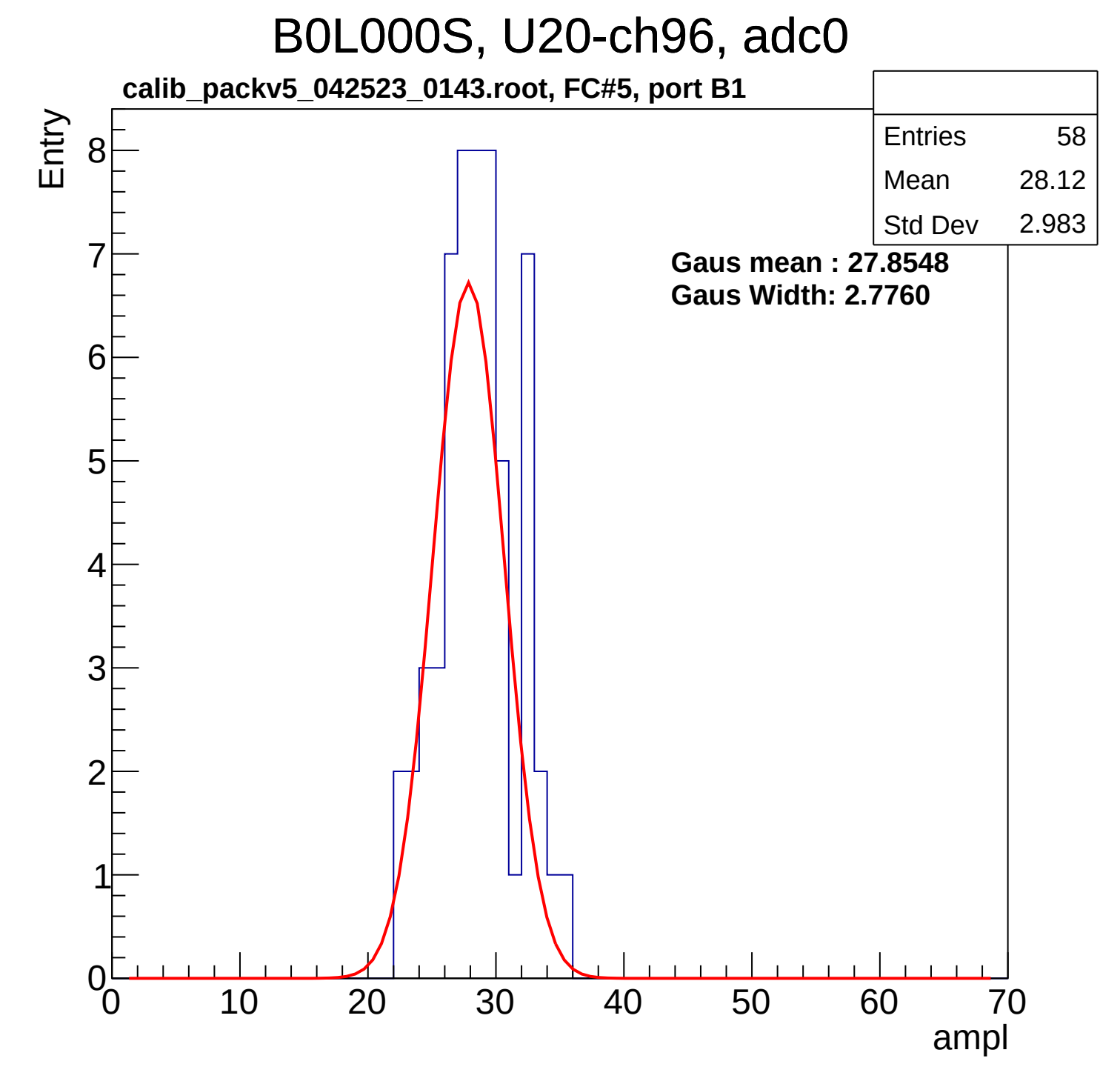
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch96, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 28.12
Std Dev 2.983
Gaus mean : 27.8548
Gaus Width: 2.7760
Entry
ampl
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1
2
3
4
5
6
7
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0
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20
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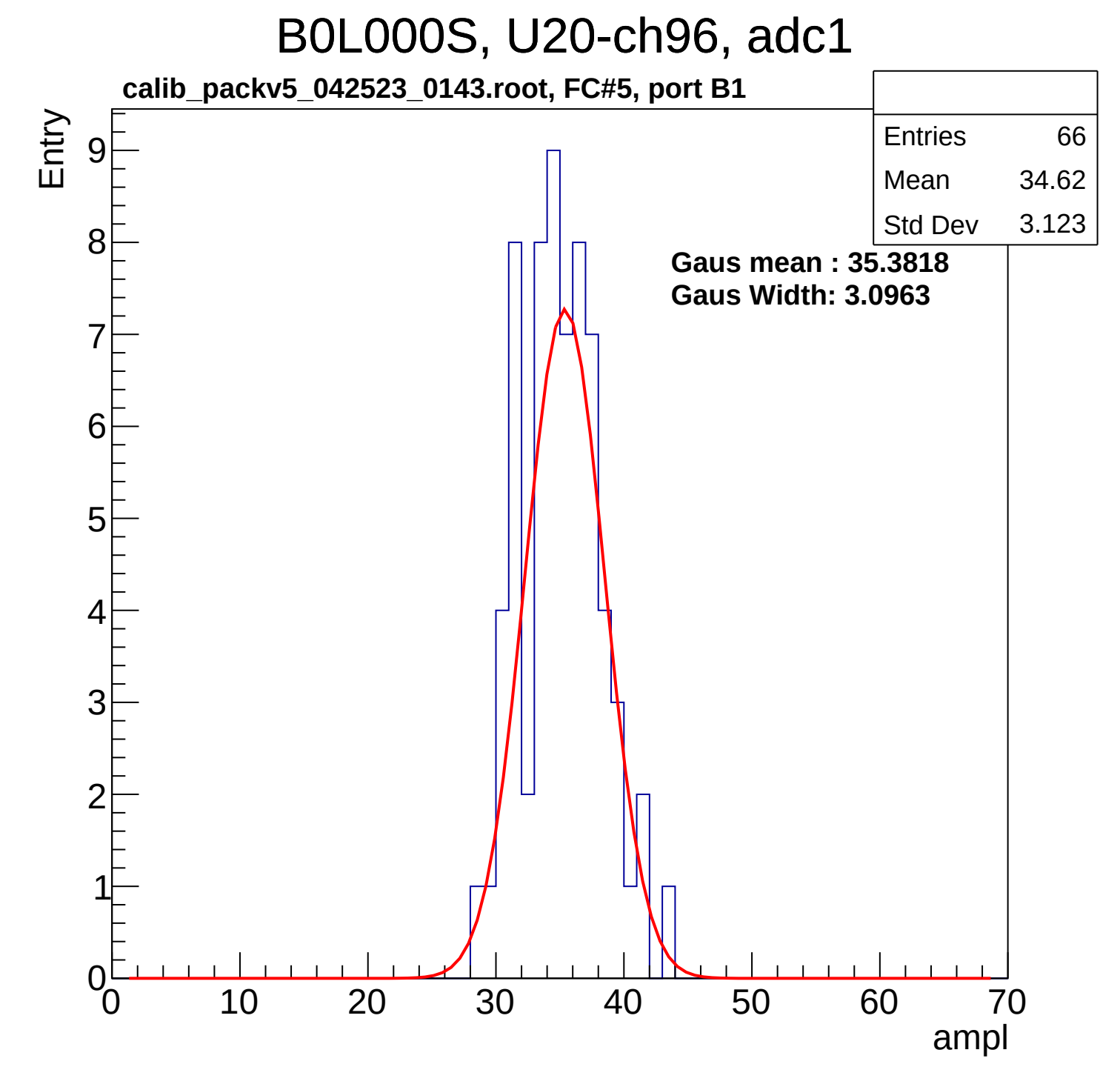
B0L000S, U20-ch96, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 34.62
Std Dev 3.123
Gaus mean : 35.3818
Gaus Width: 3.0963
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
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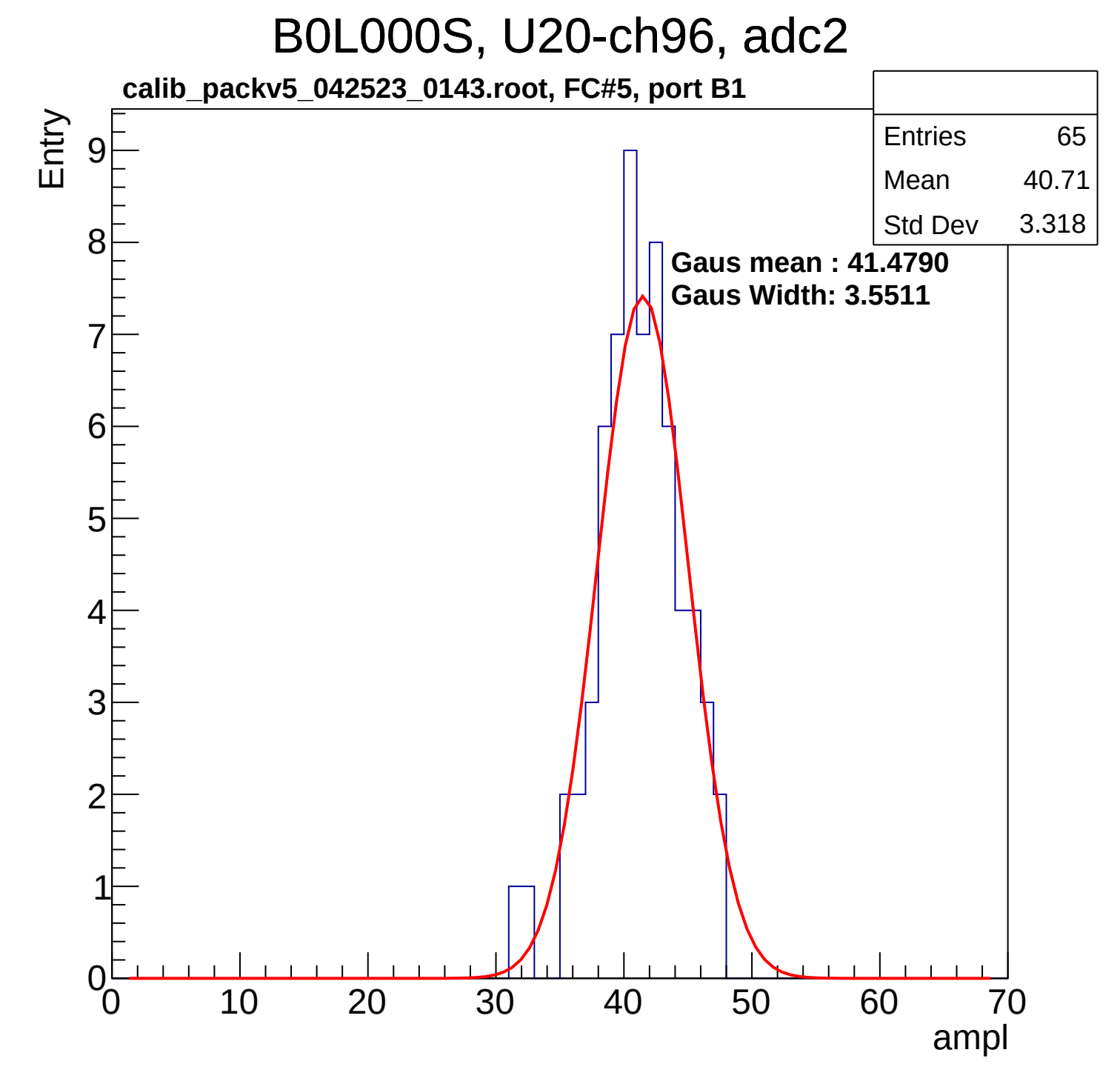
B0L000S, U20-ch96, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 40.71
Std Dev 3.318
Gaus mean : 41.4790
Gaus Width: 3.5511
Entry
ampl
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3
4
5
6
7
8
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0
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40
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60
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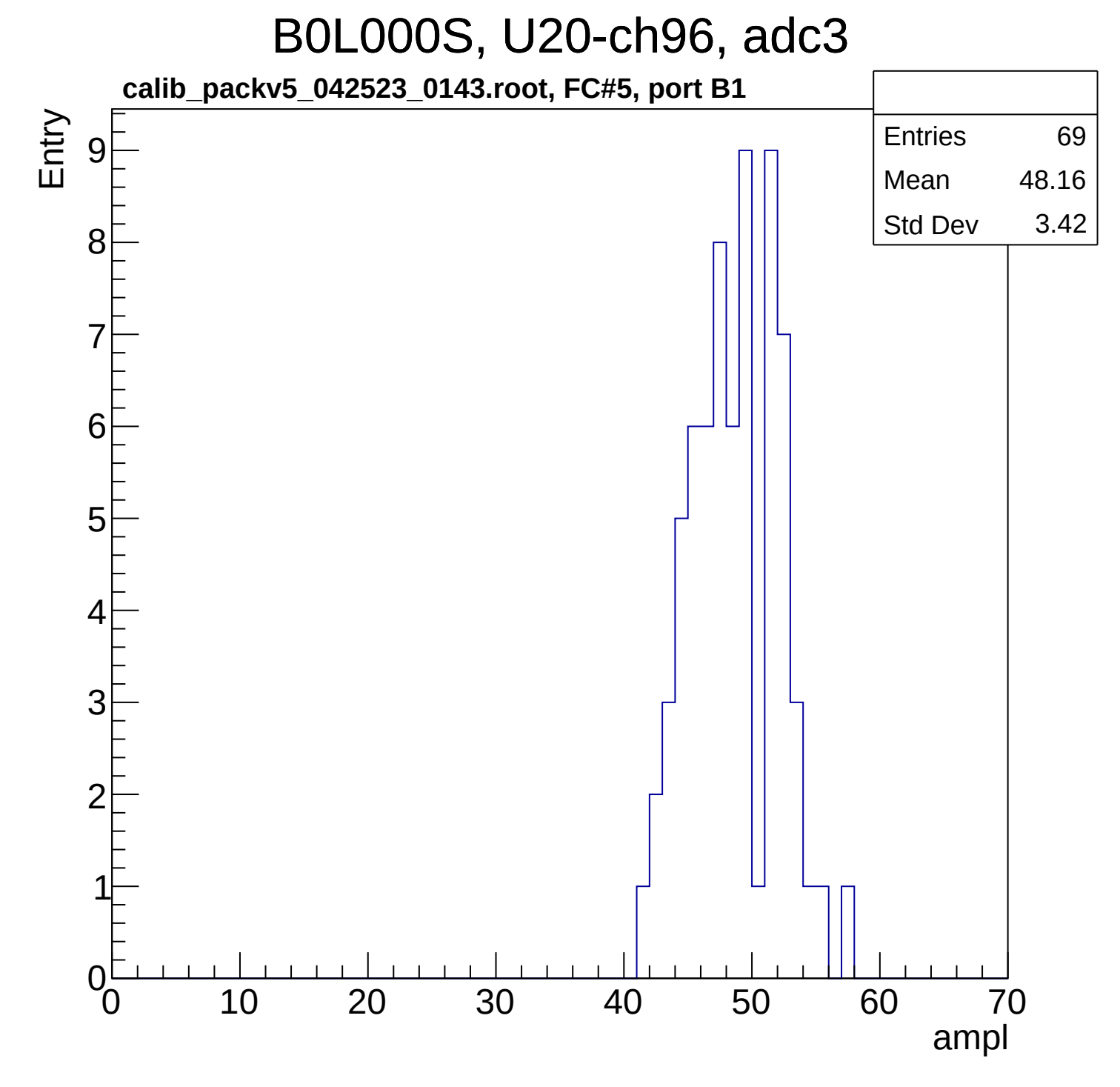
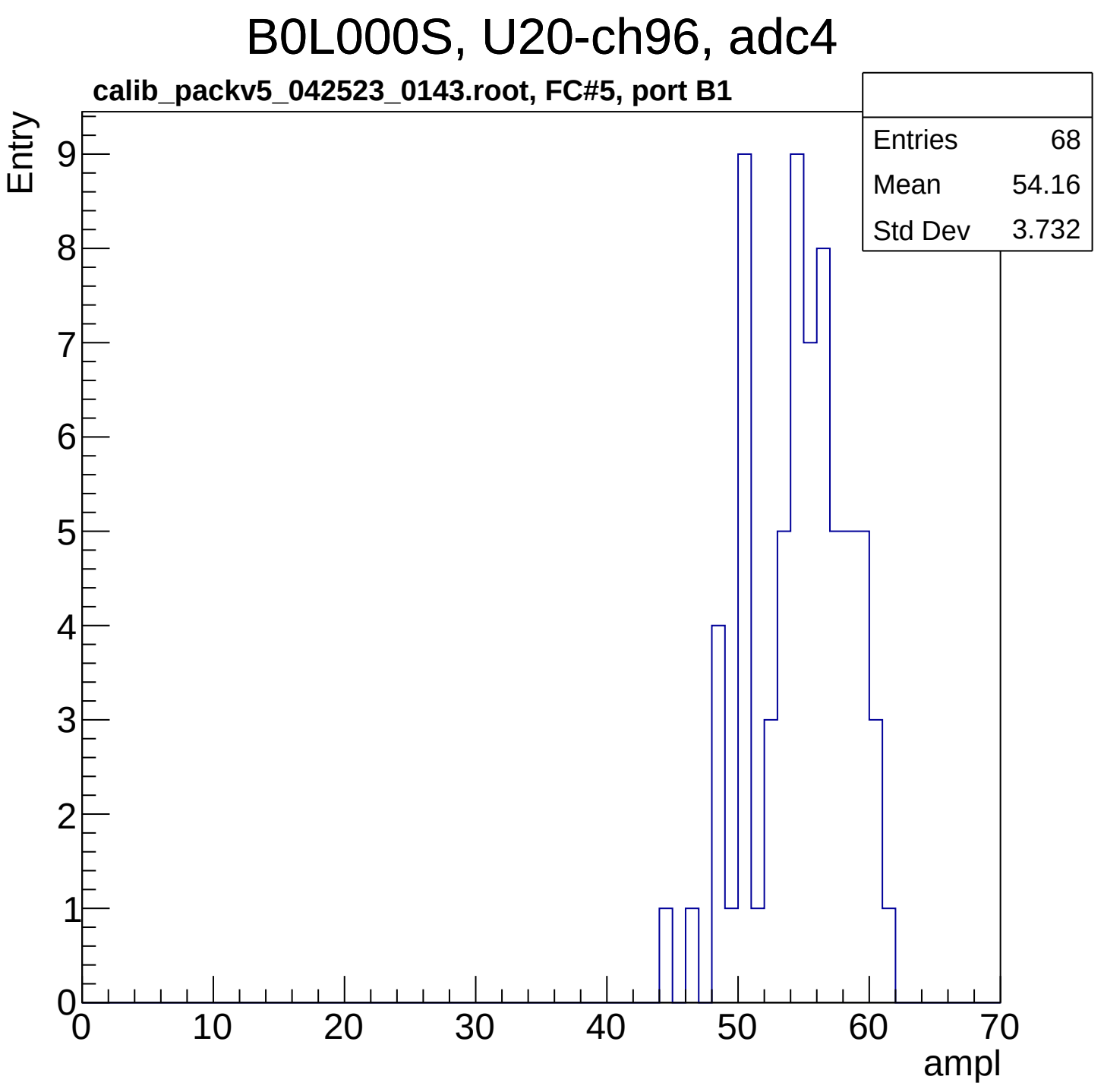

B0L000S, U20-ch96, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 48.16
Std Dev 3.42
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch96, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 54.16
Std Dev 3.732
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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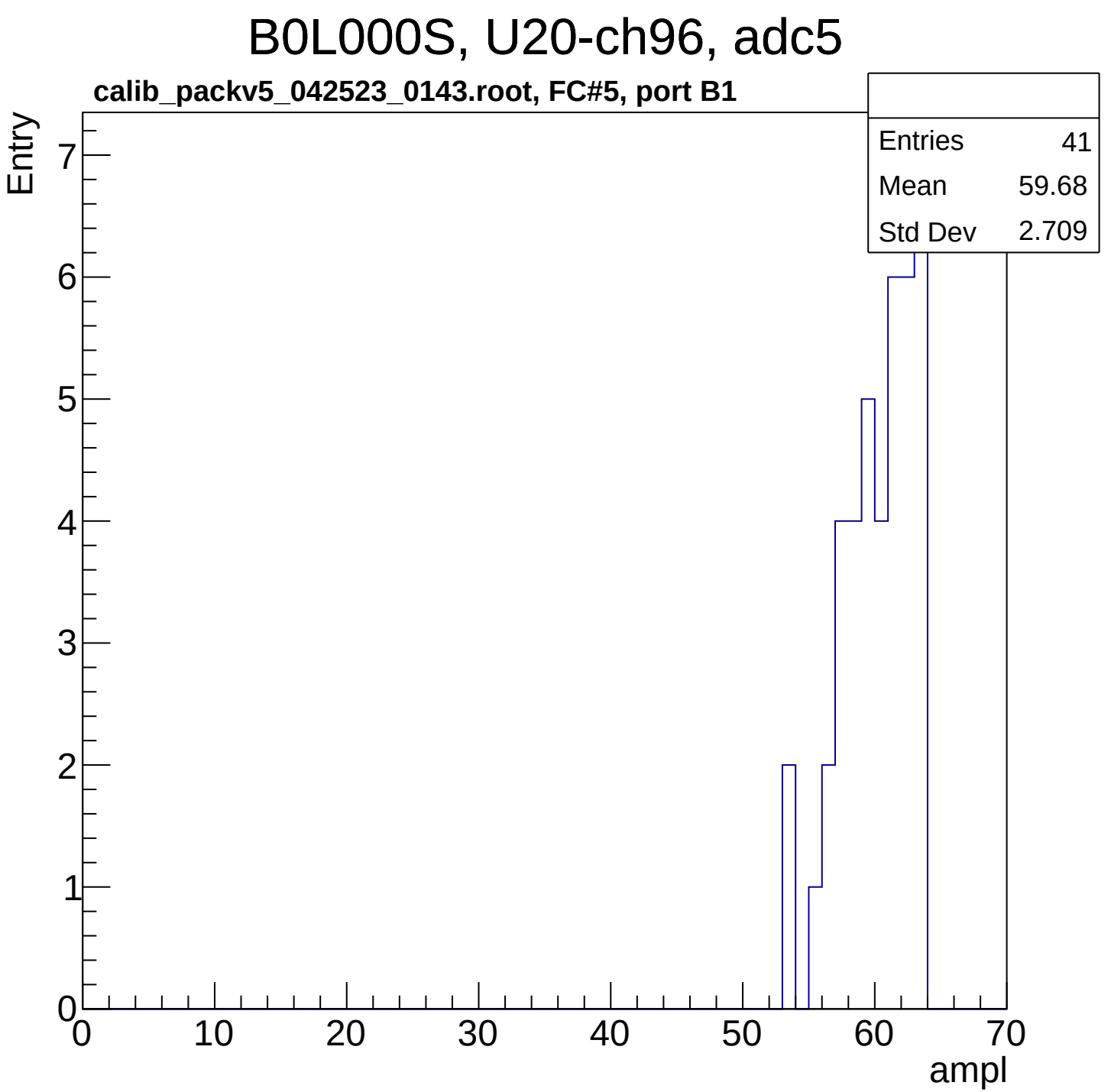
B0L000S, U20-ch96, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 59.68
Std Dev 2.709
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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60
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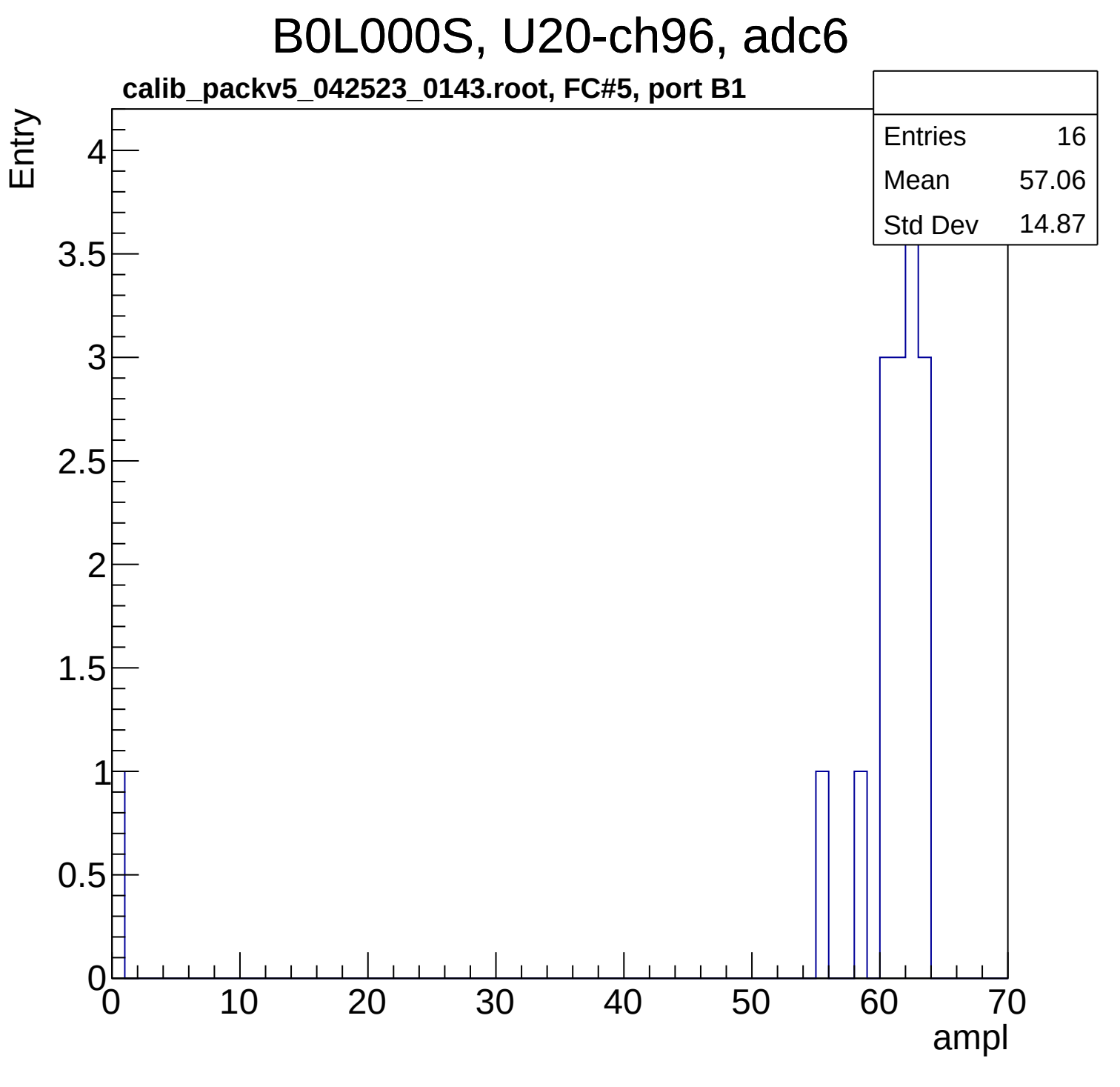
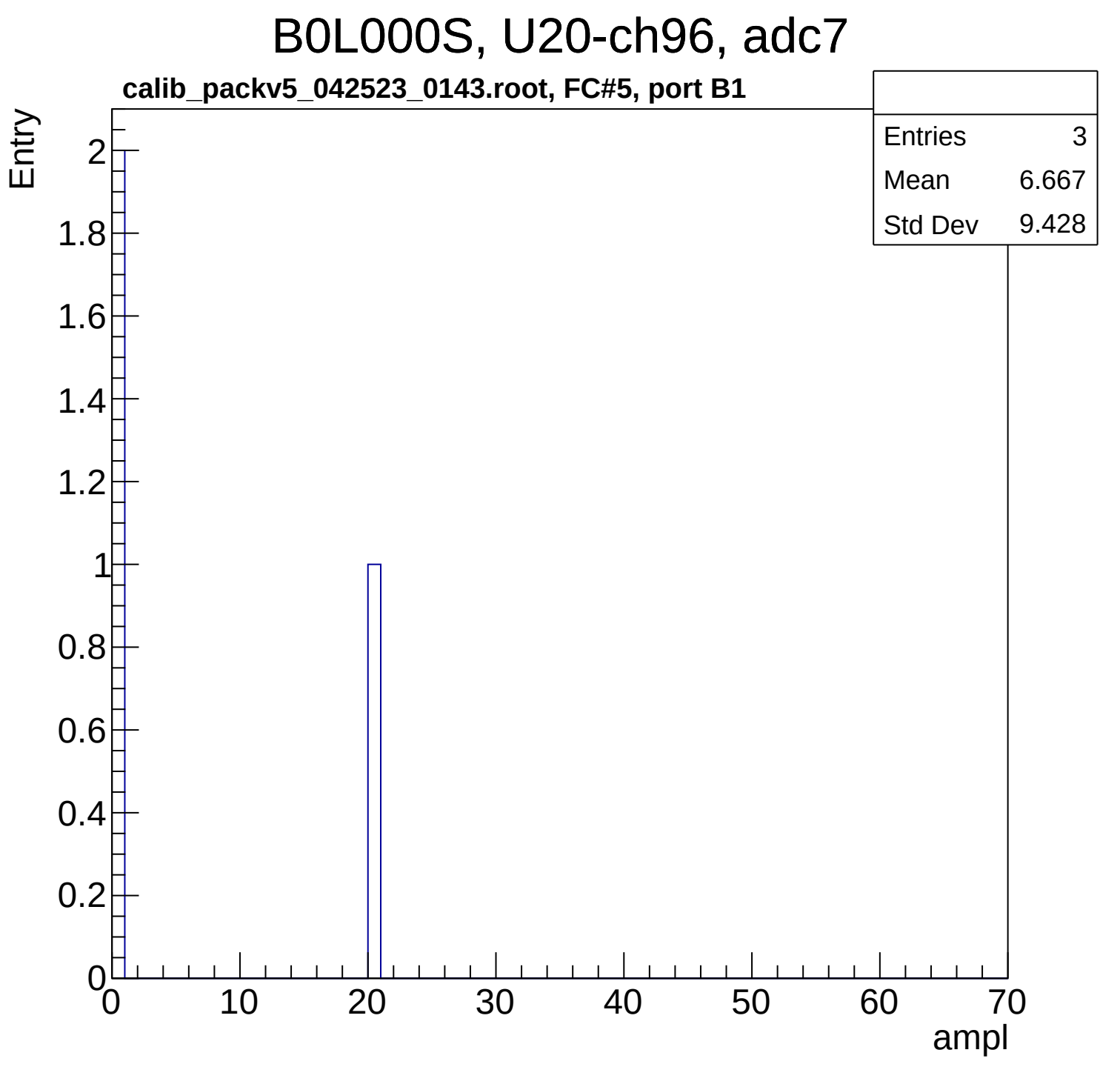

B0L000S, U20-ch96, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 16
Mean 57.06
Std Dev 14.87
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch96, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 6.667
Std Dev 9.428
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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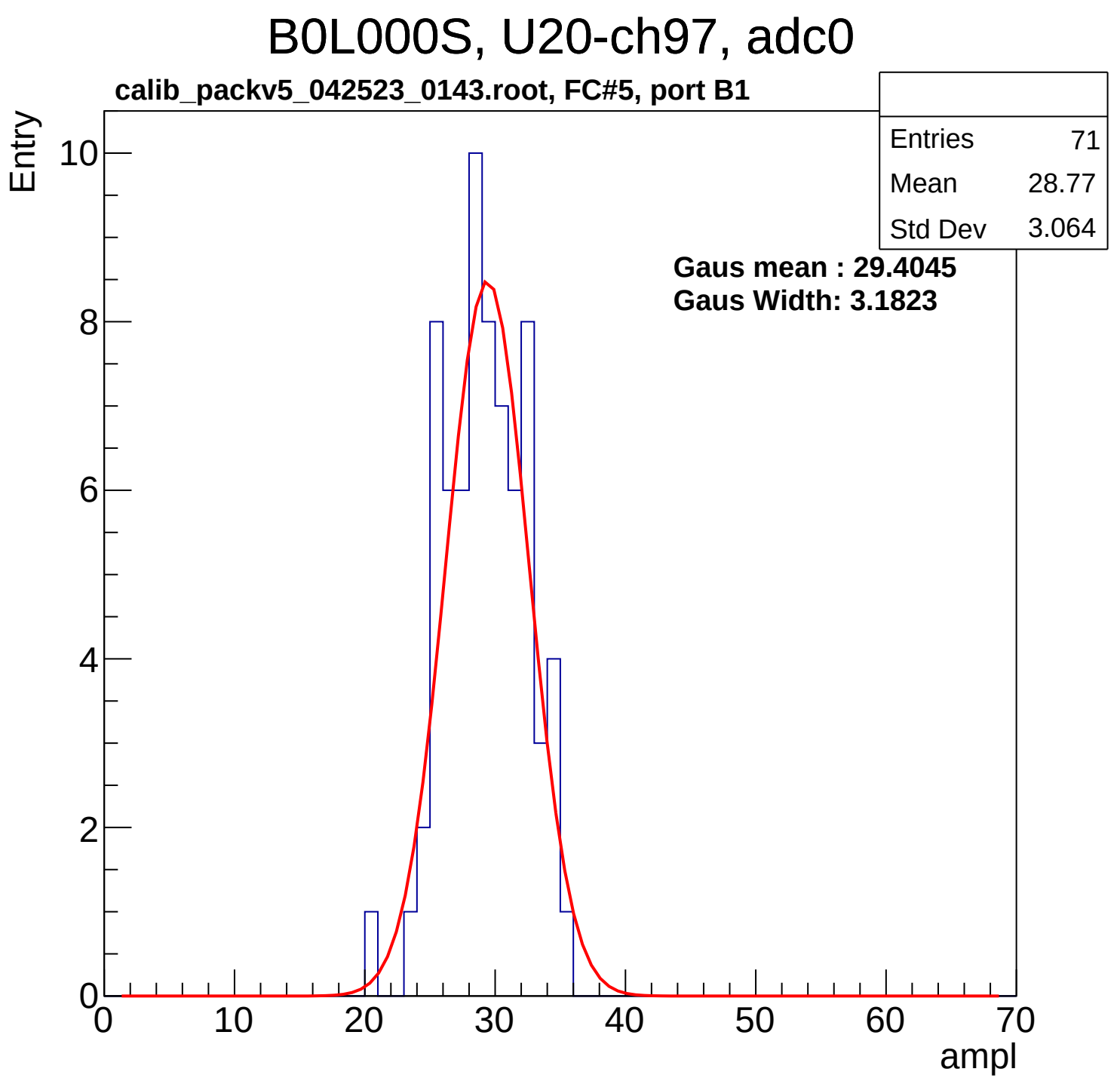
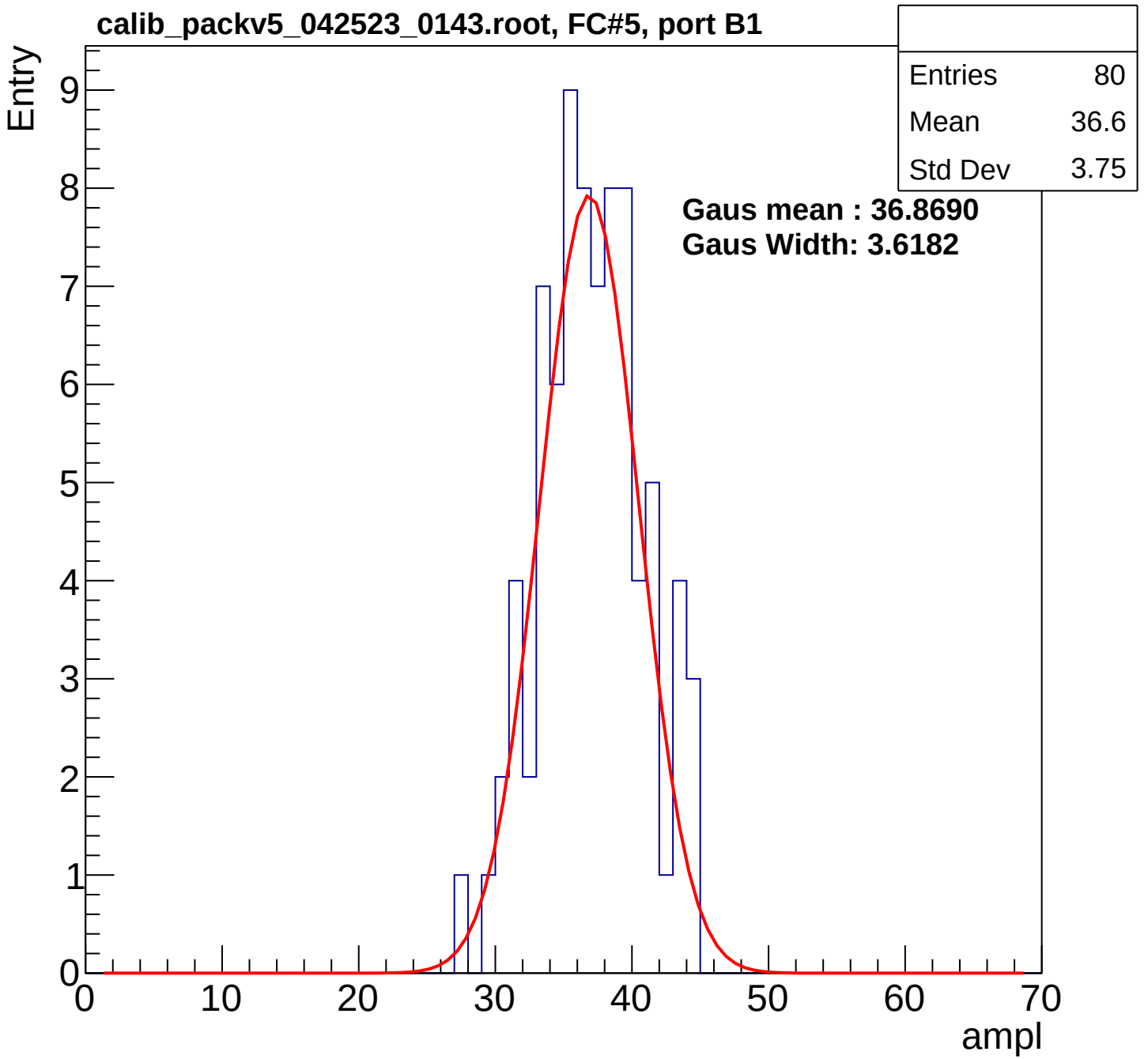

B0L000S, U20-ch97, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 28.77
Std Dev 3.064
Gaus mean : 29.4045
Gaus Width: 3.1823
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch97, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 36.6
Std Dev 3.75
Gaus mean : 36.8690
Gaus Width: 3.6182
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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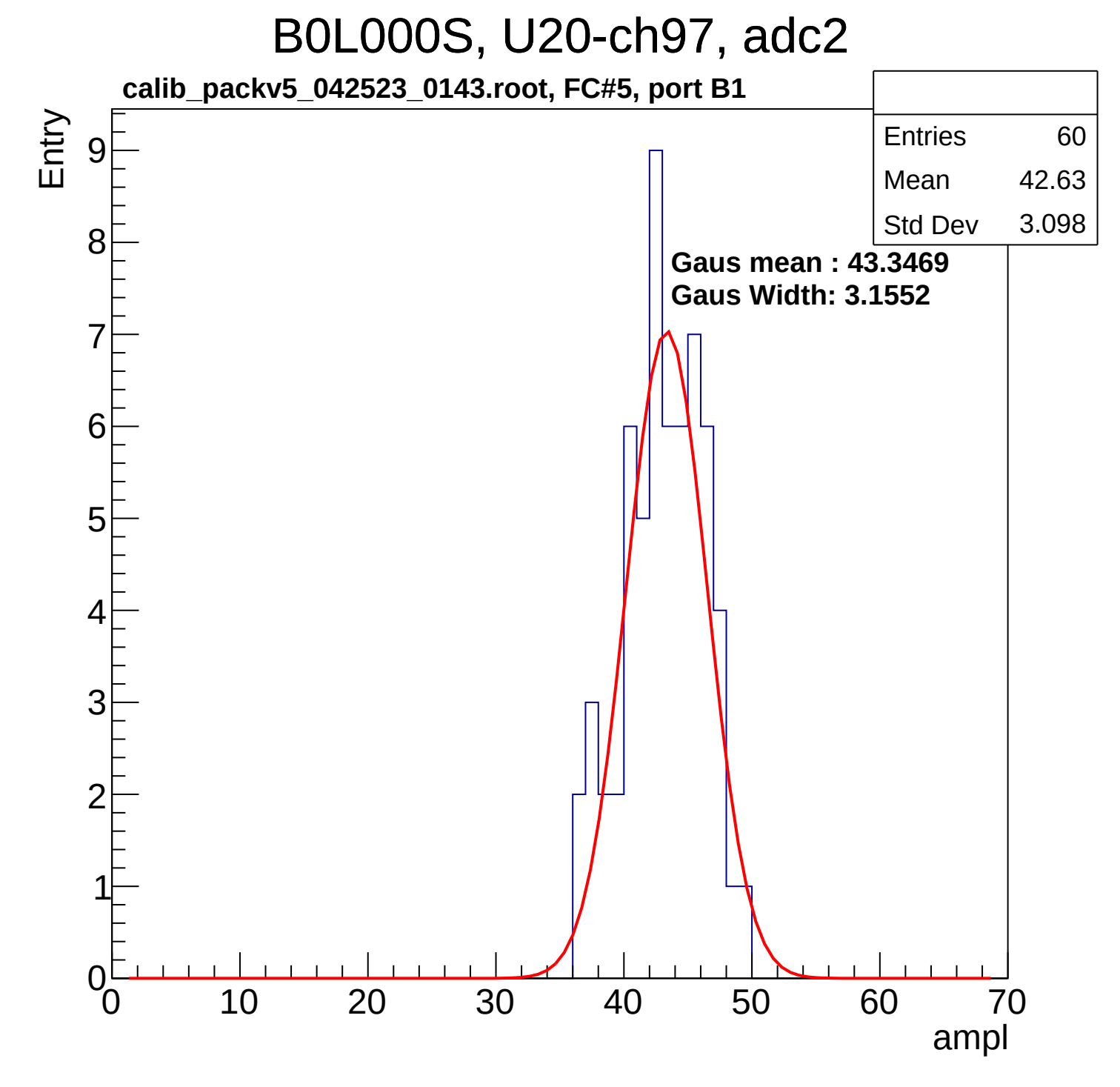
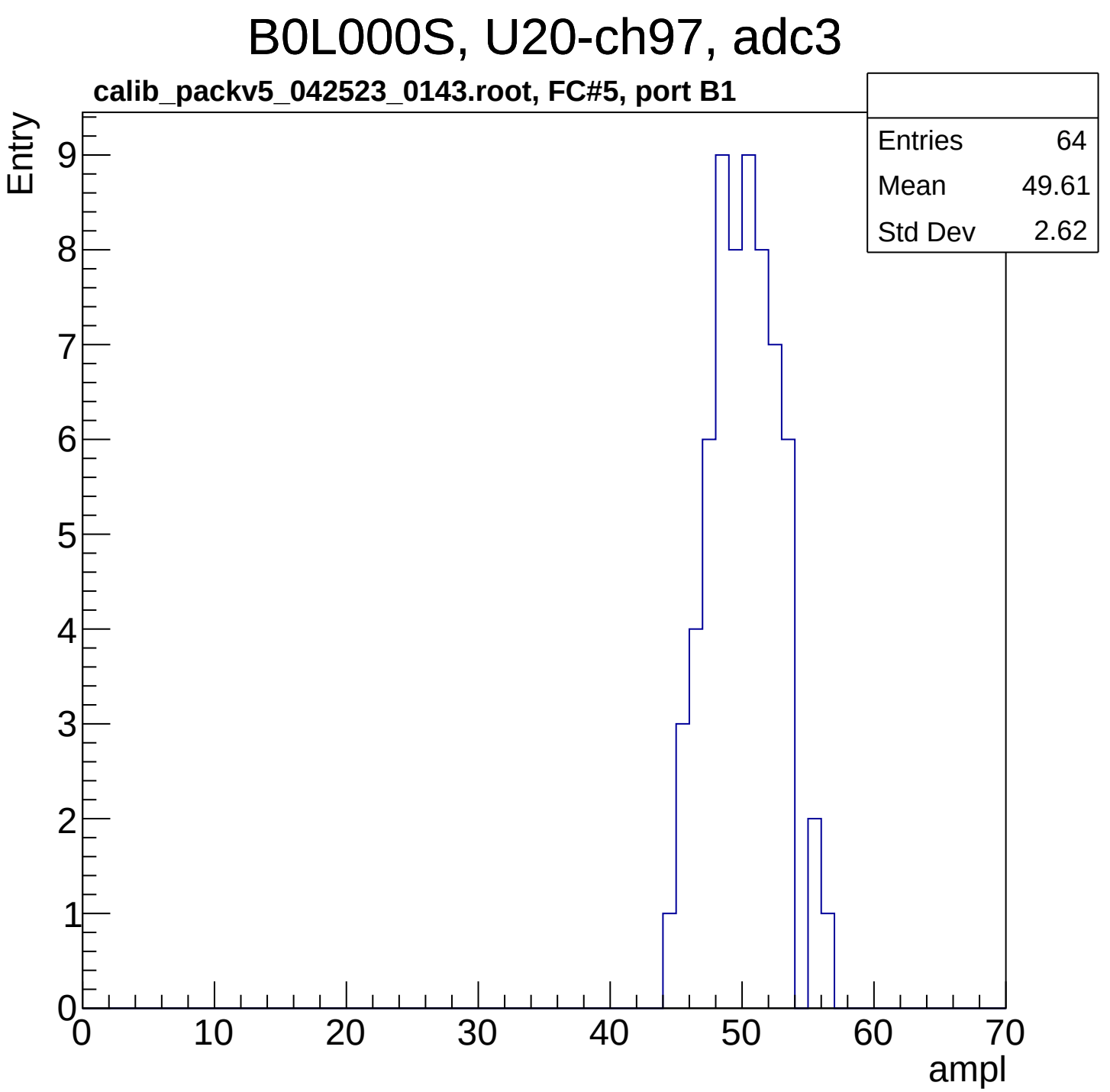
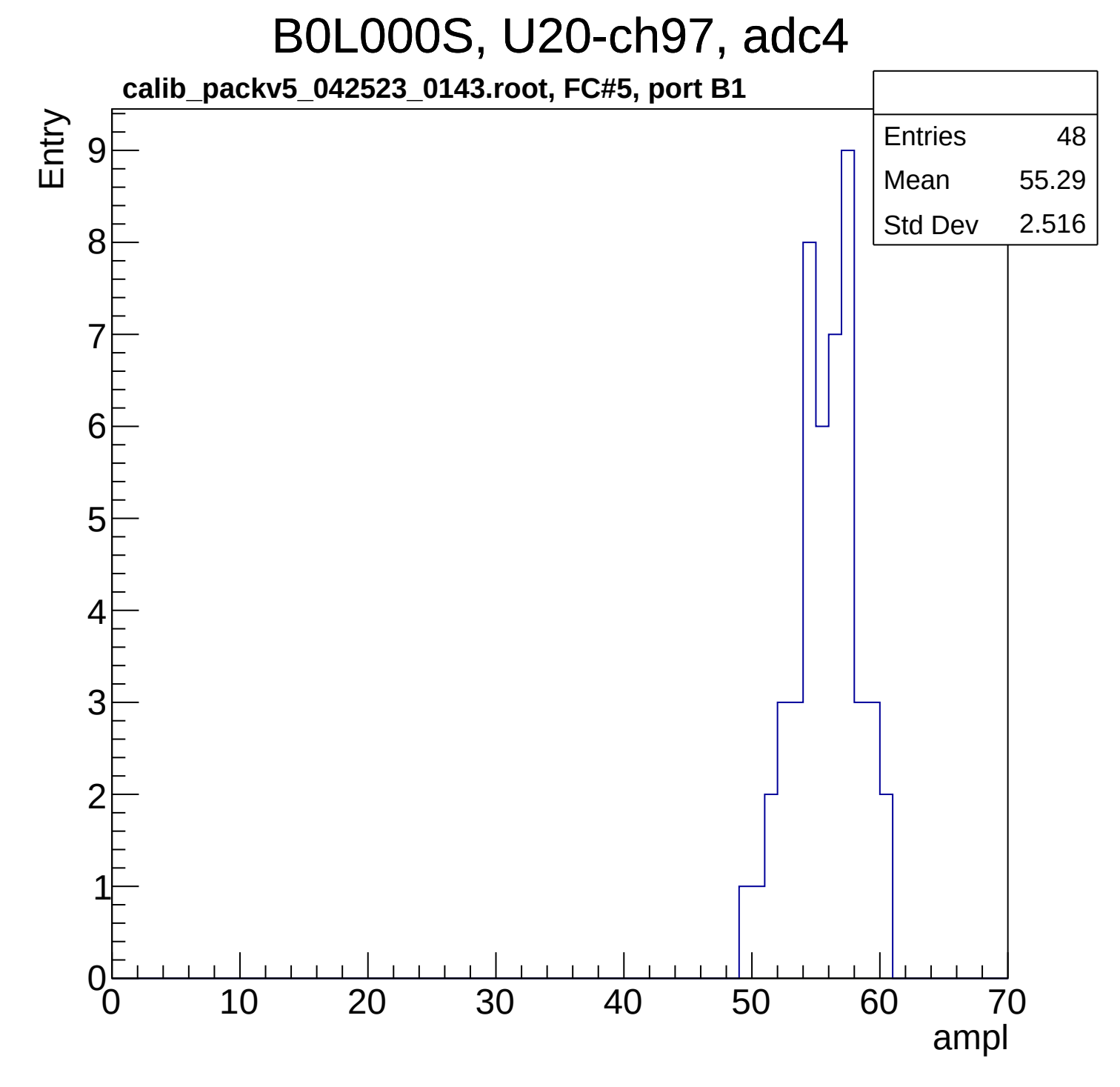
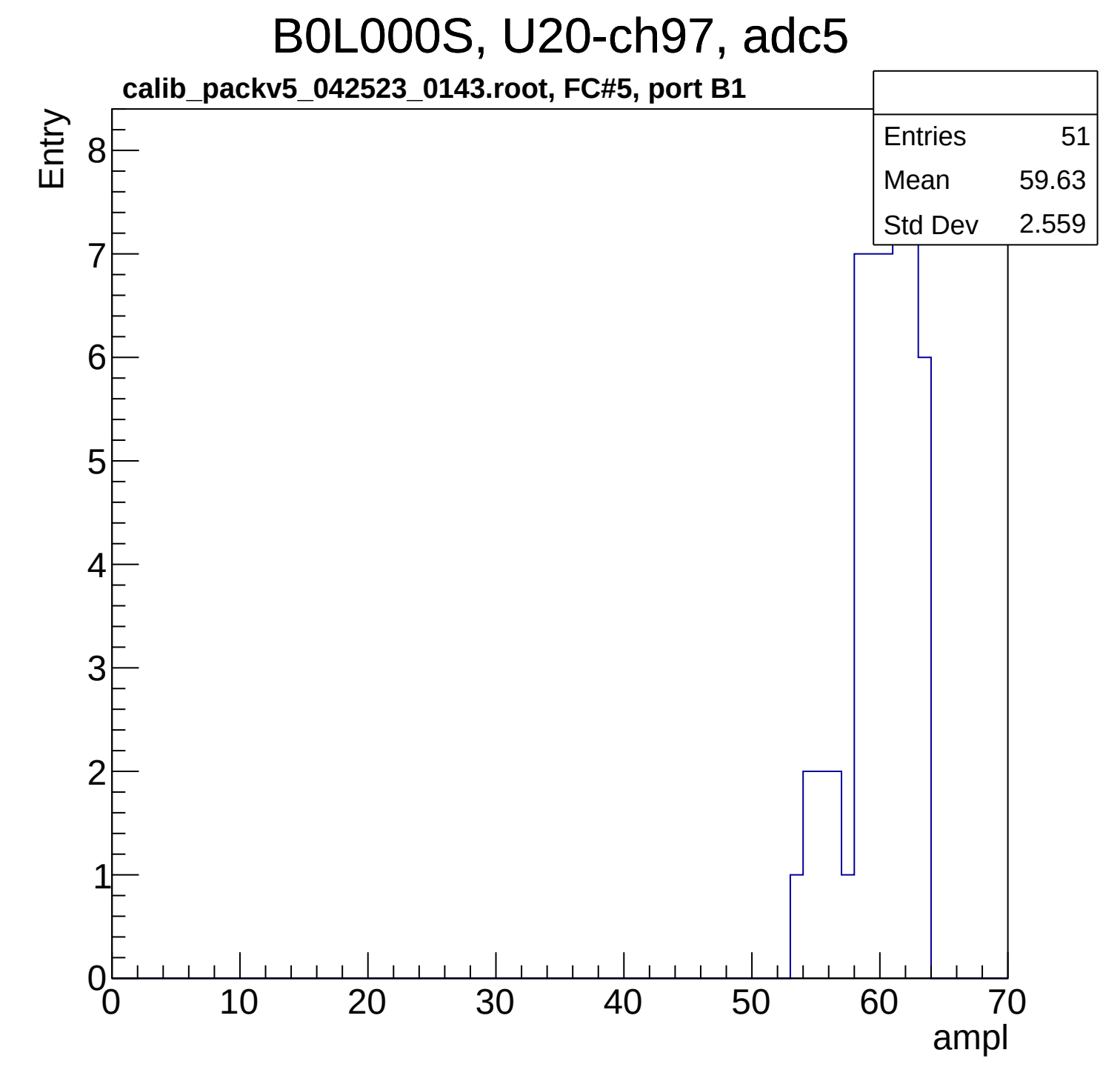
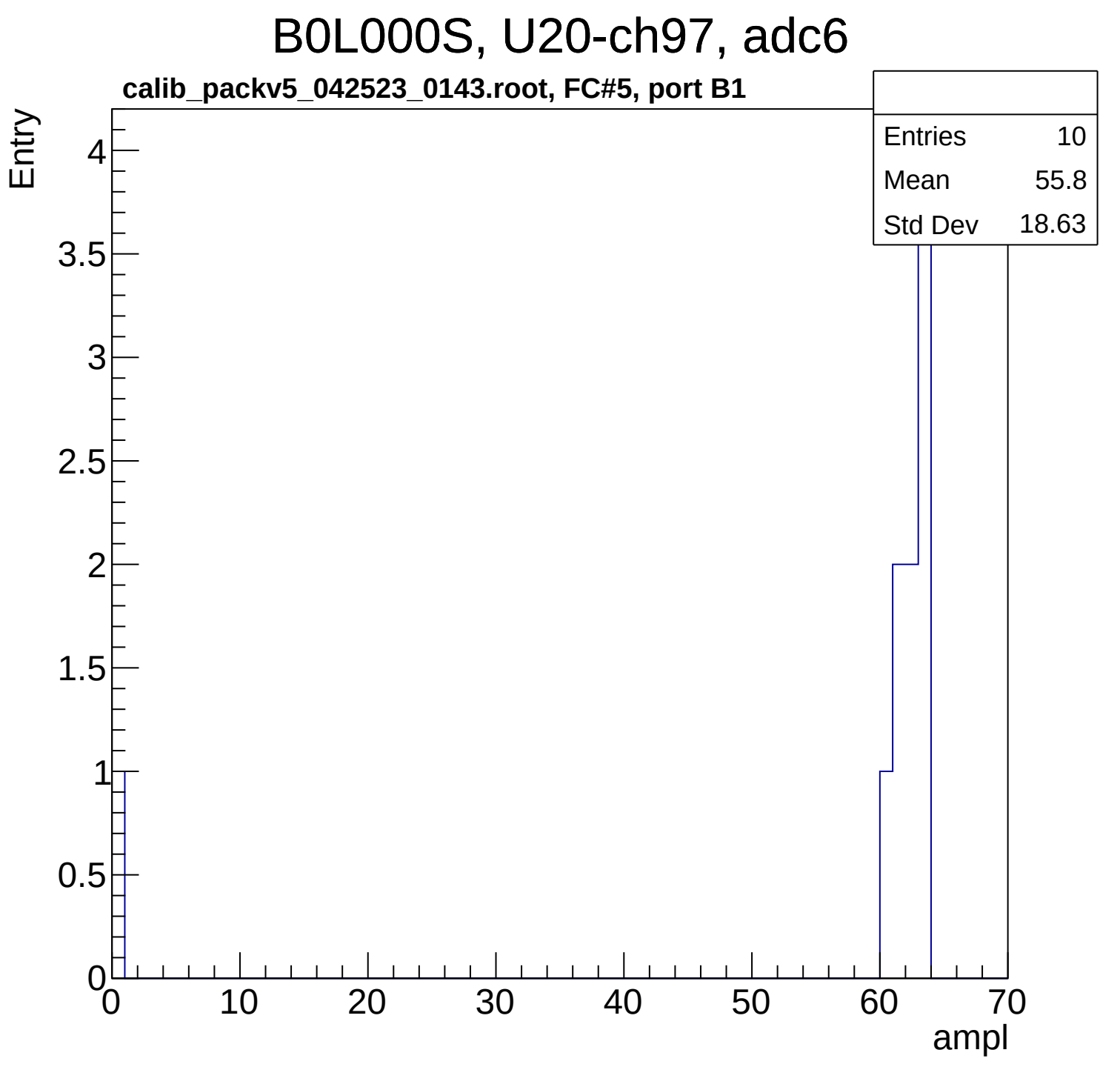
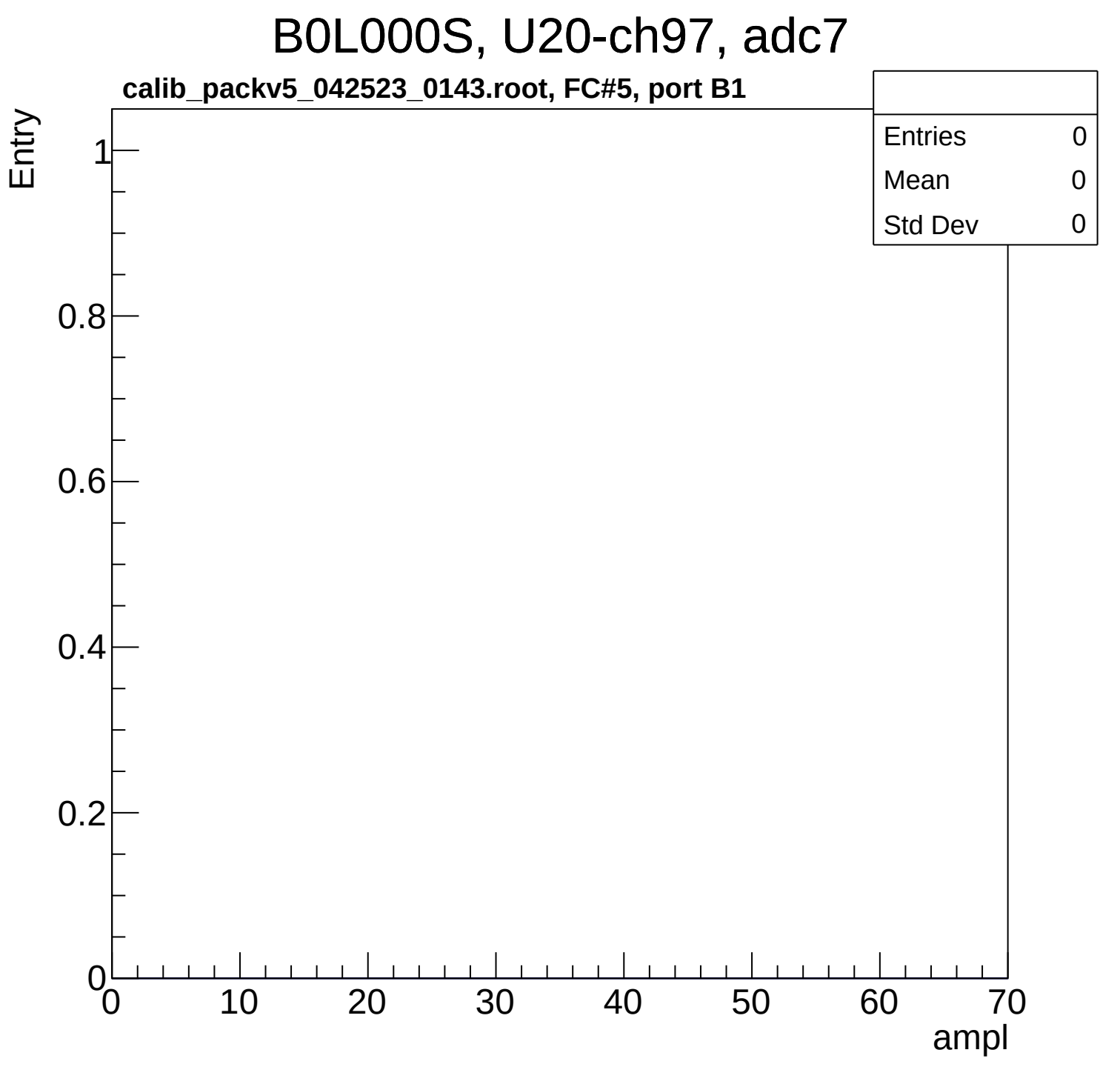

B0L000S, U20-ch97, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 42.63
Std Dev 3.098
Gaus mean : 43.3469
Gaus Width: 3.1552
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

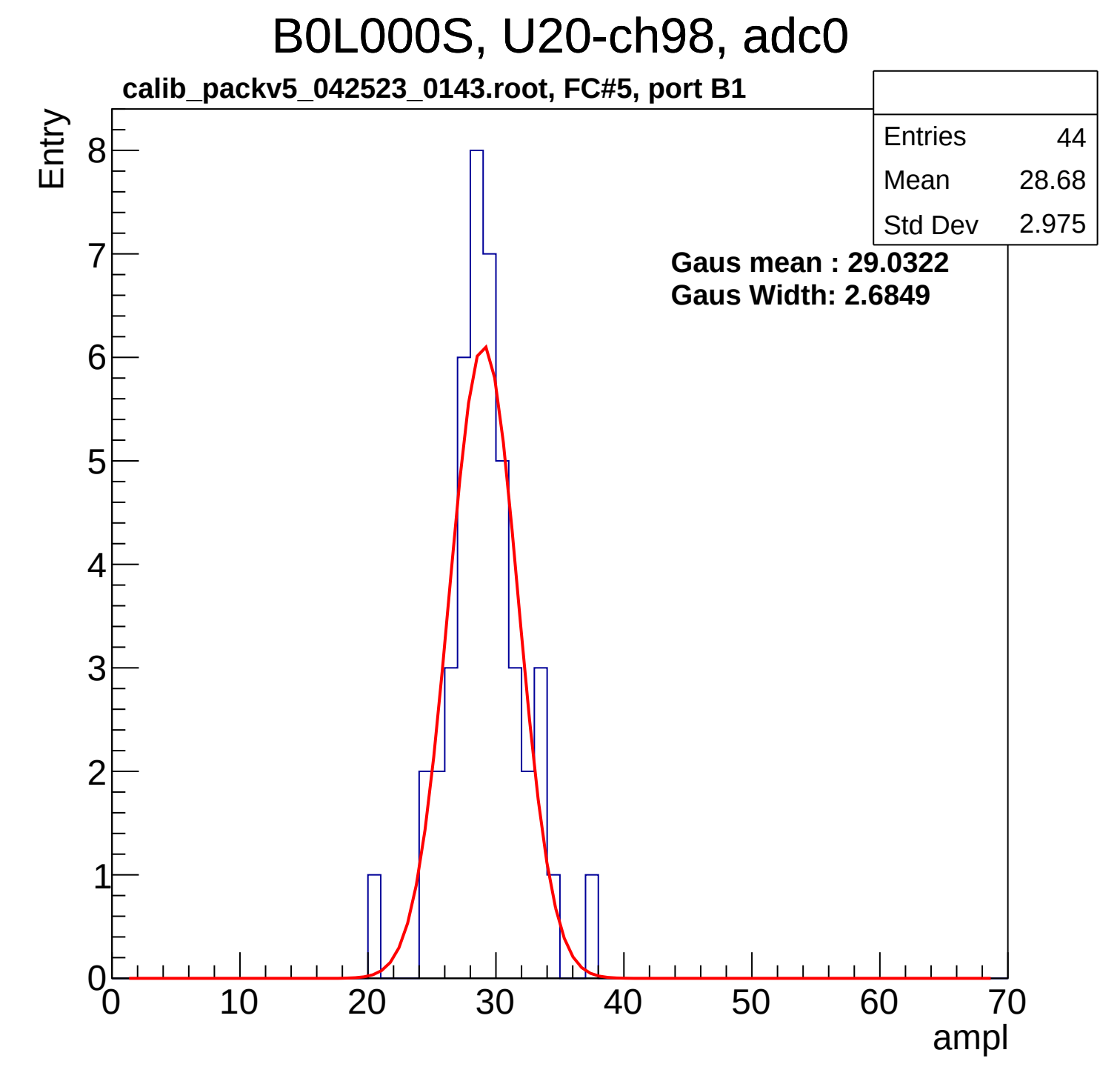

B0L000S, U20-ch97, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 49.61
Std Dev 2.62
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

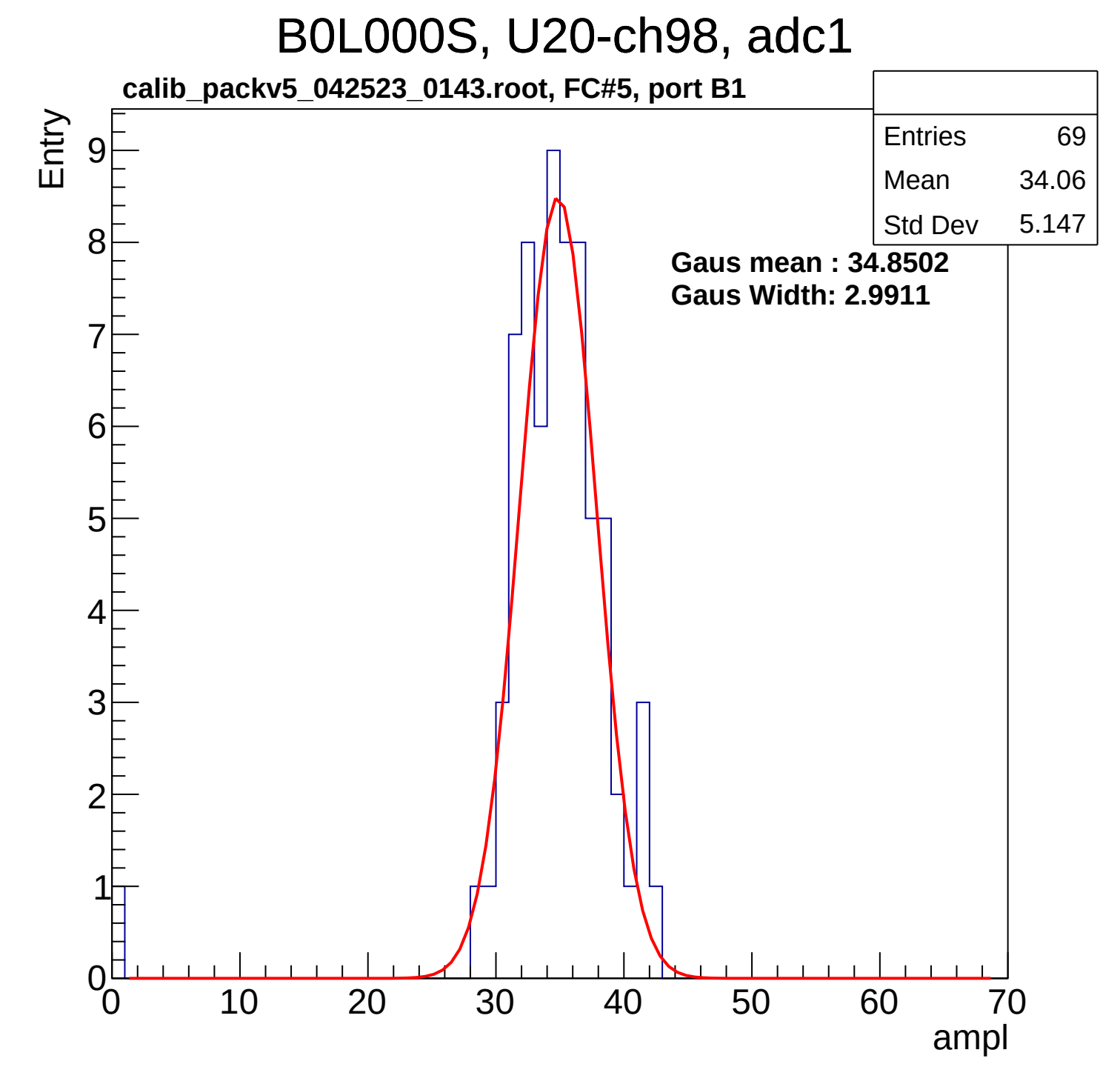

B0L000S, U20-ch97, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 55.29
Std Dev 2.516
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch97, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 59.63
Std Dev 2.559
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch97, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 55.8
Std Dev 18.63
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch97, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch98, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 28.68
Std Dev 2.975
Gaus mean : 29.0322
Gaus Width: 2.6849
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch98, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 34.06
Std Dev 5.147
Gaus mean : 34.8502
Gaus Width: 2.9911
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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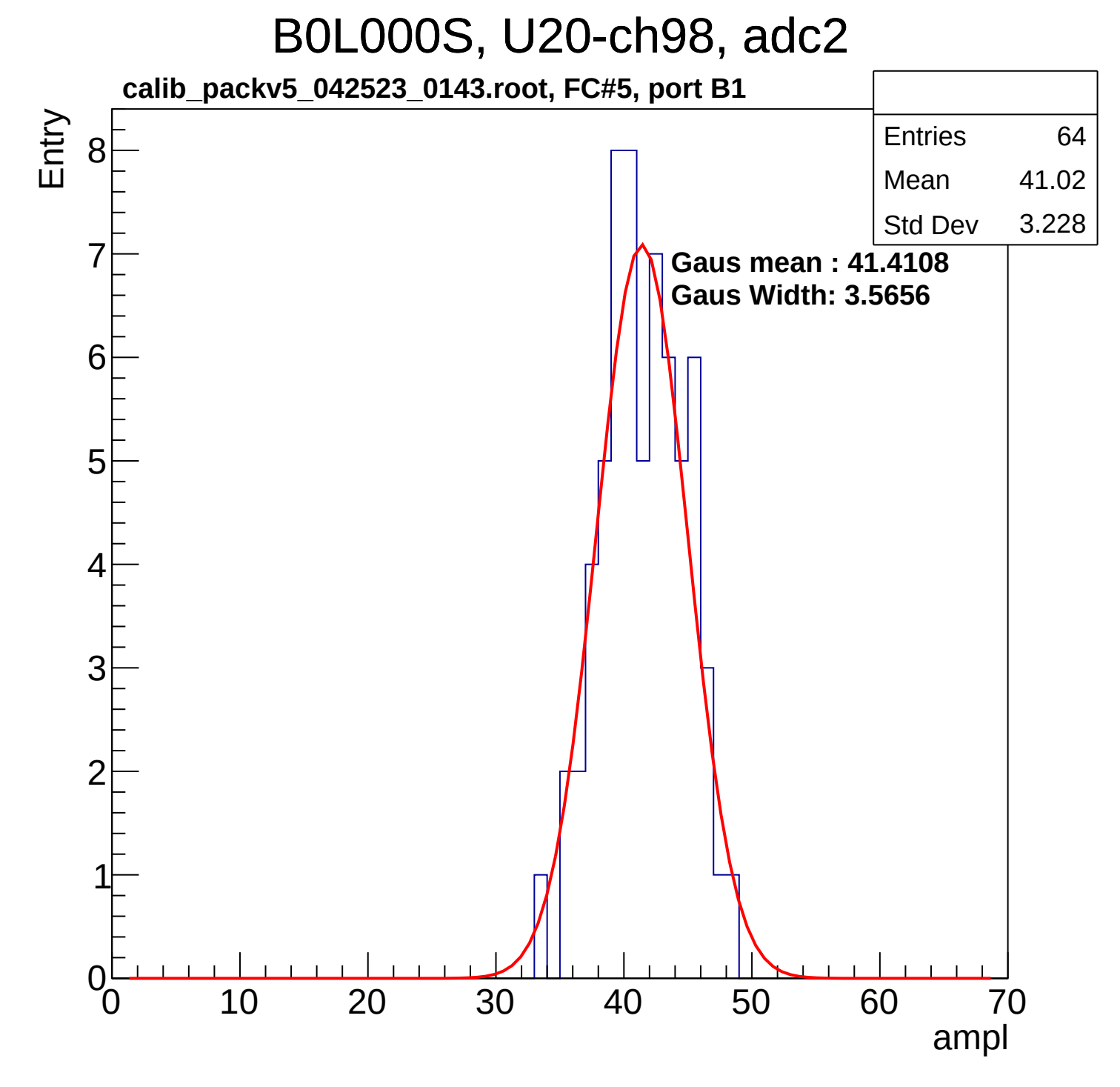
B0L000S, U20-ch98, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 41.02
Std Dev 3.228
Gaus mean : 41.4108
Gaus Width: 3.5656
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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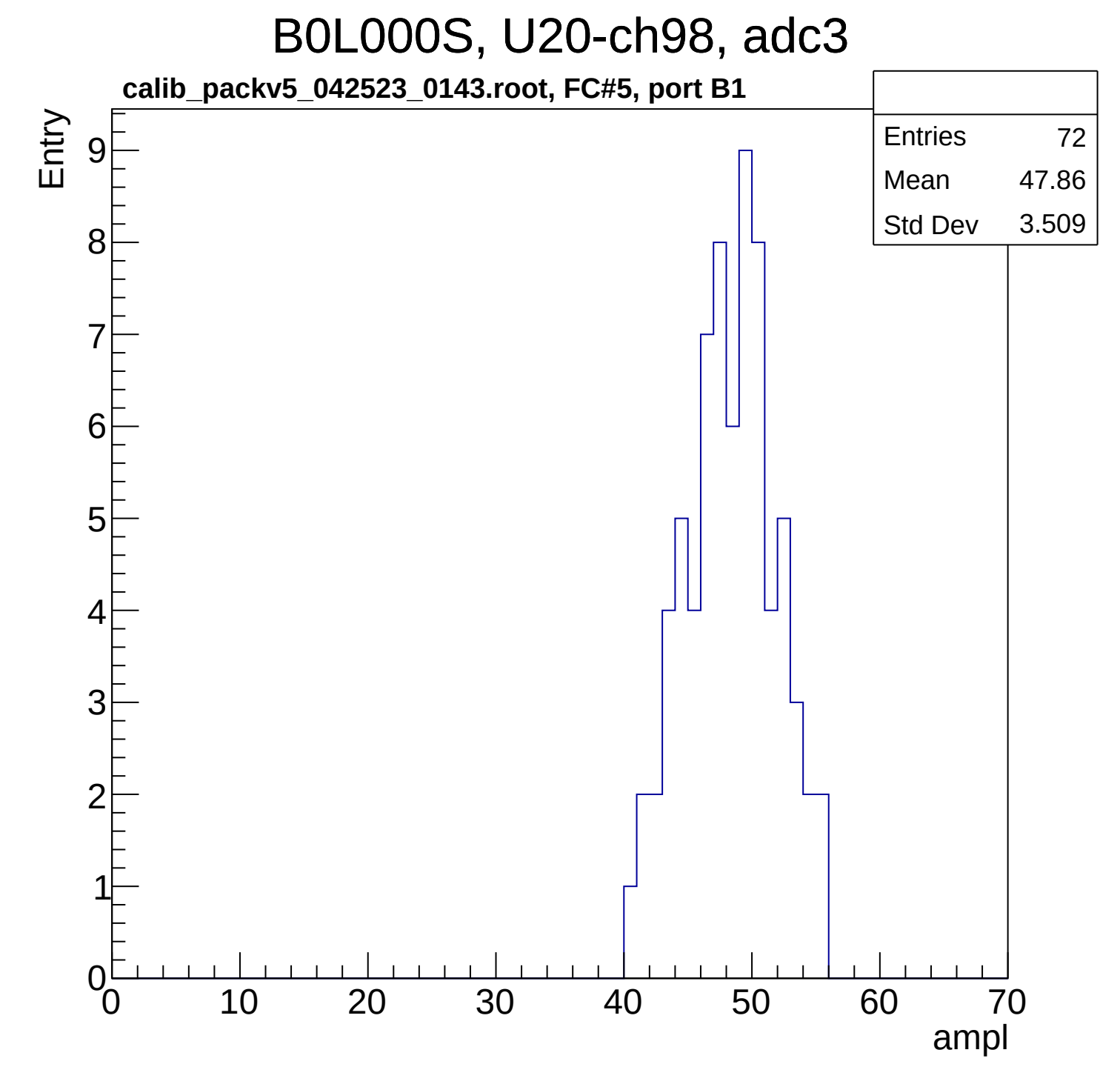
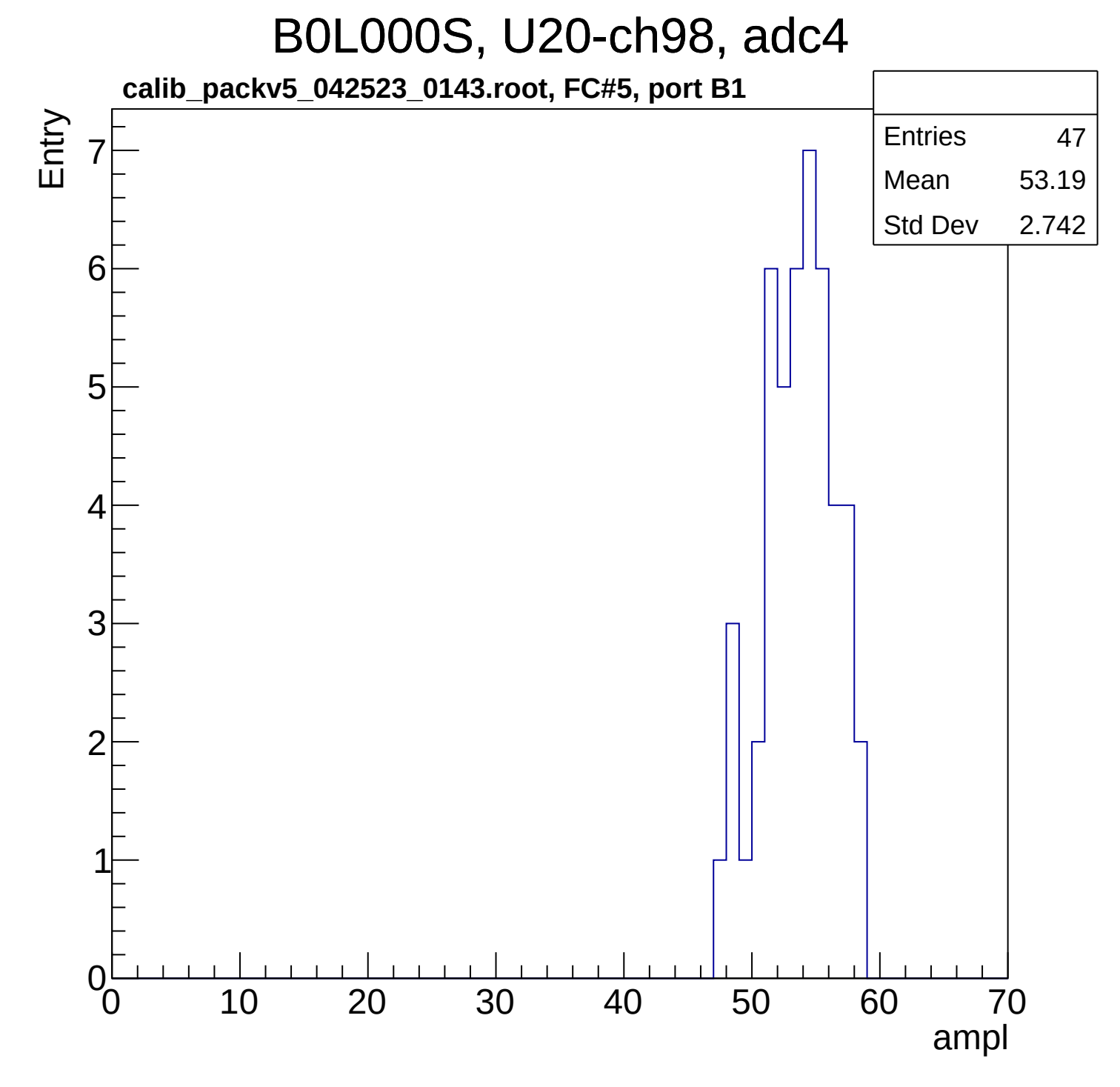
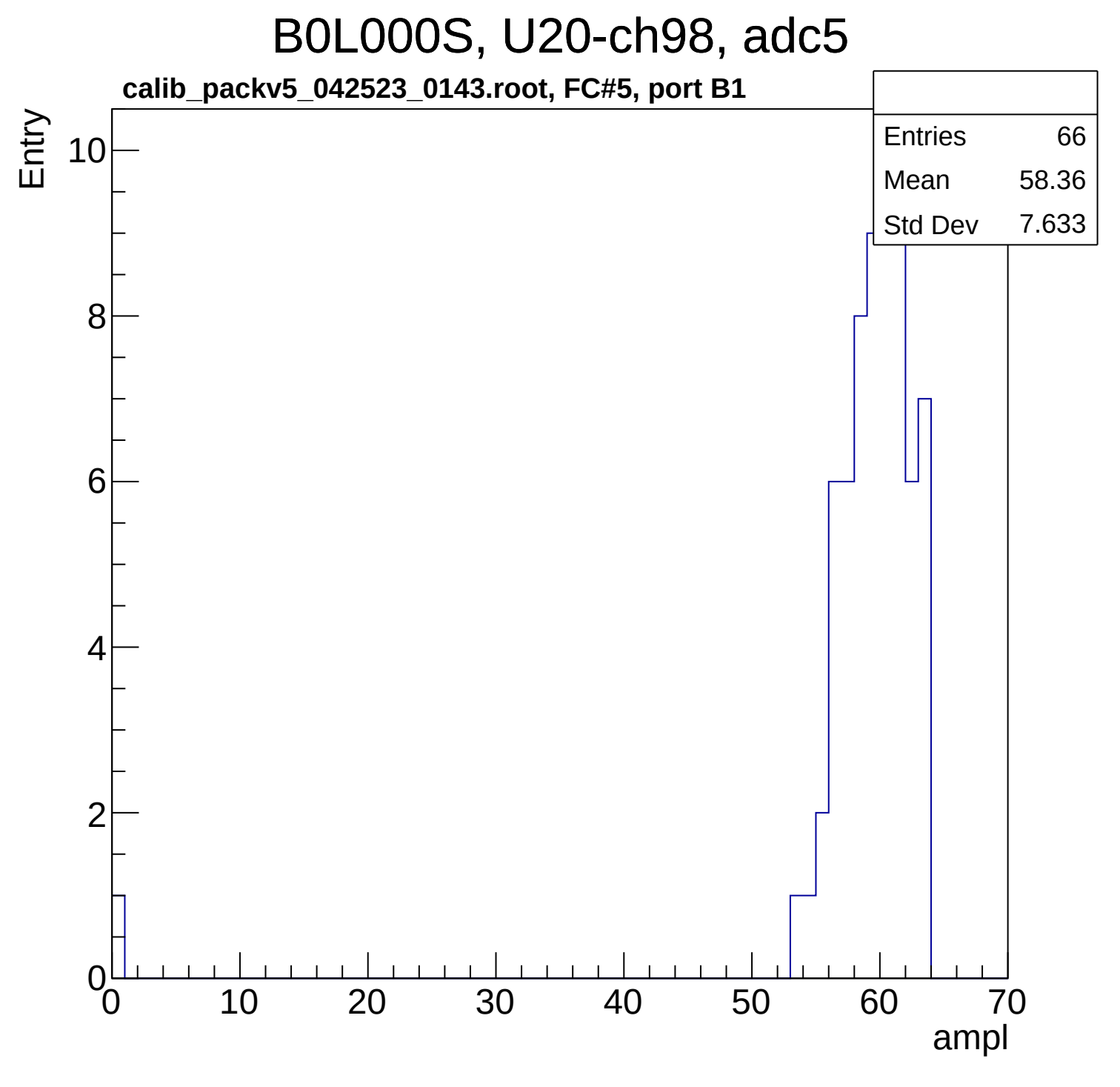
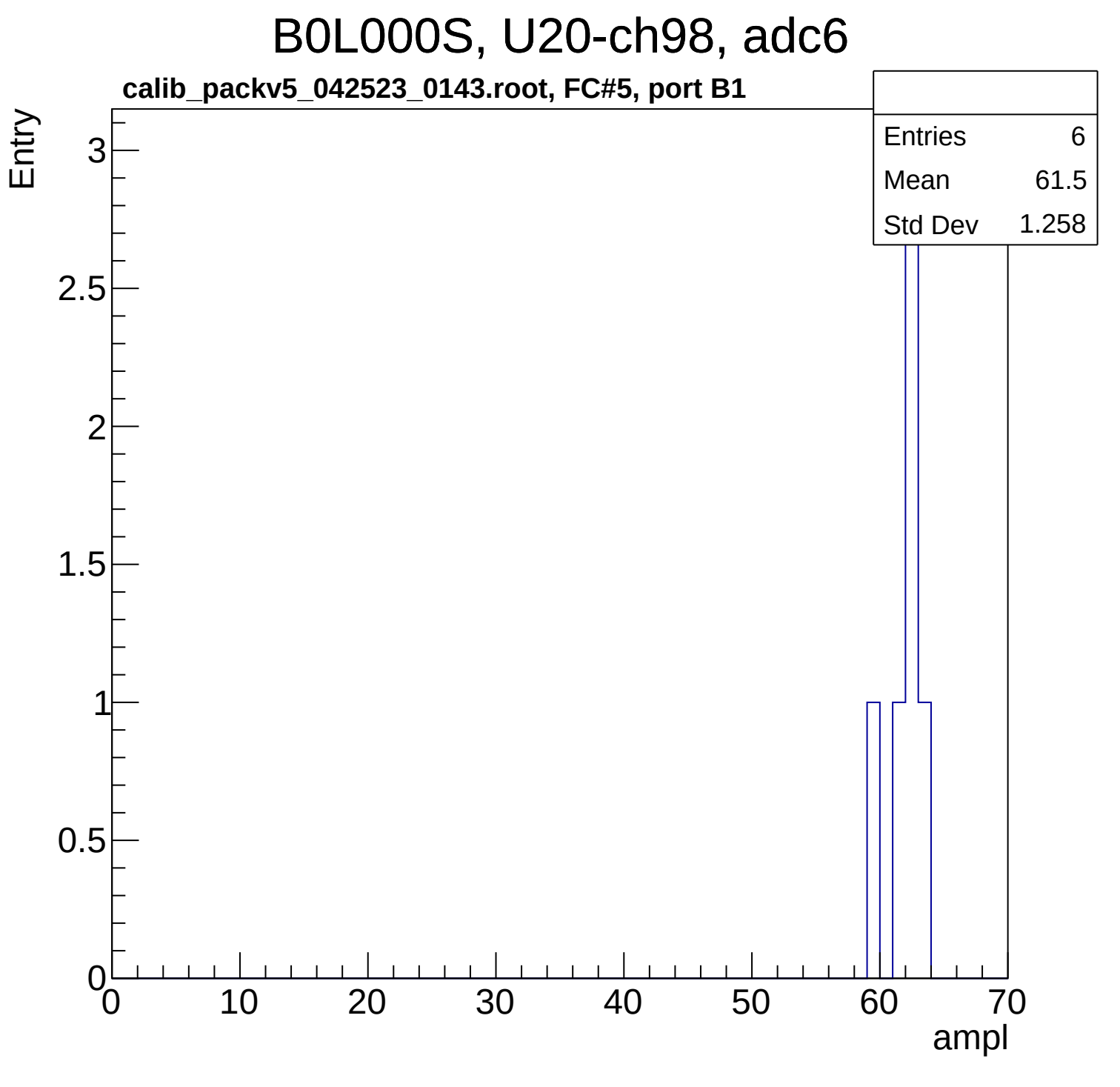

B0L000S, U20-ch98, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 47.86
Std Dev 3.509
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch98, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 47
Mean 53.19
Std Dev 2.742
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch98, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 58.36
Std Dev 7.633
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch98, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 61.5
Std Dev 1.258
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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40
50
60
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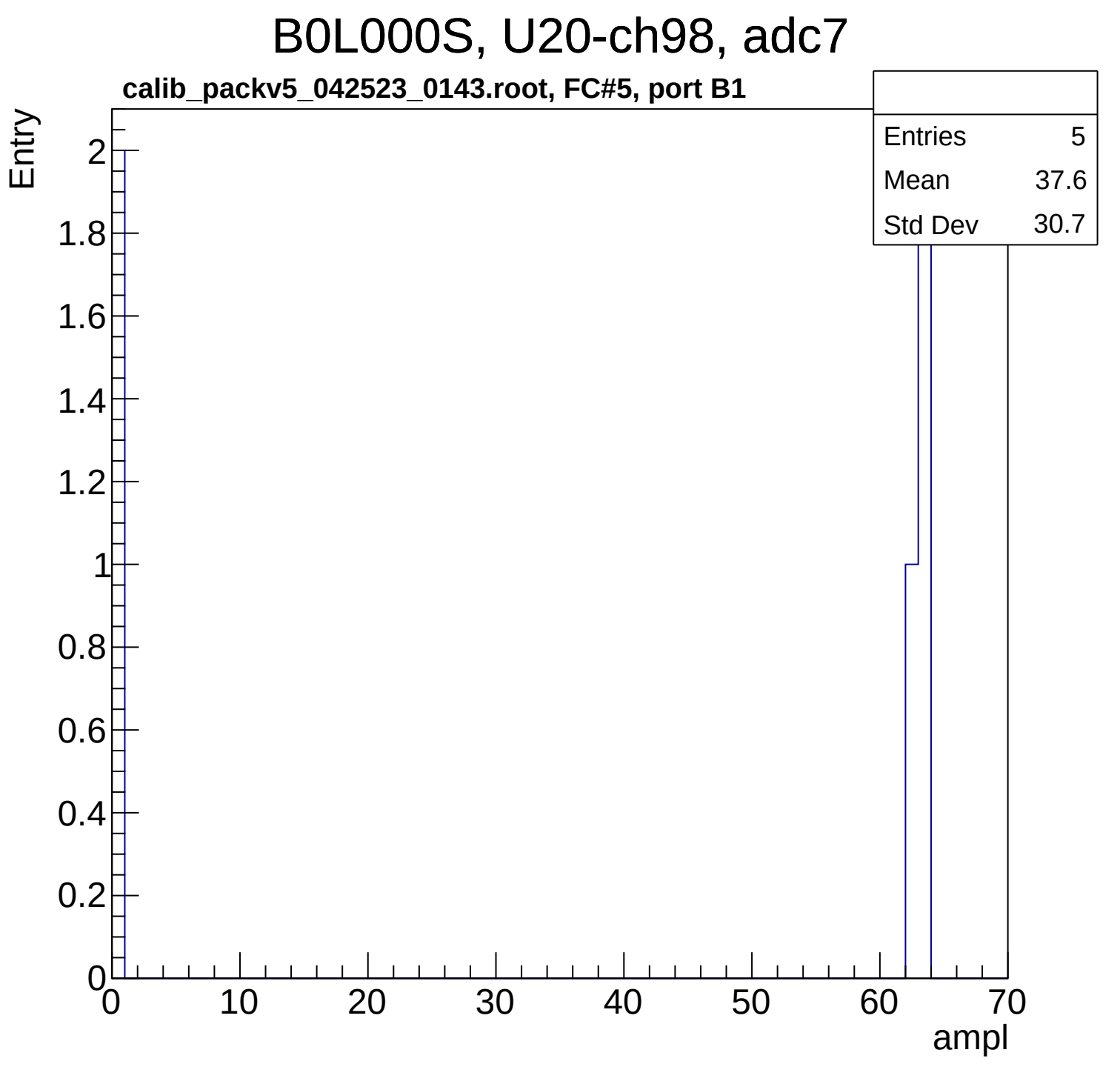
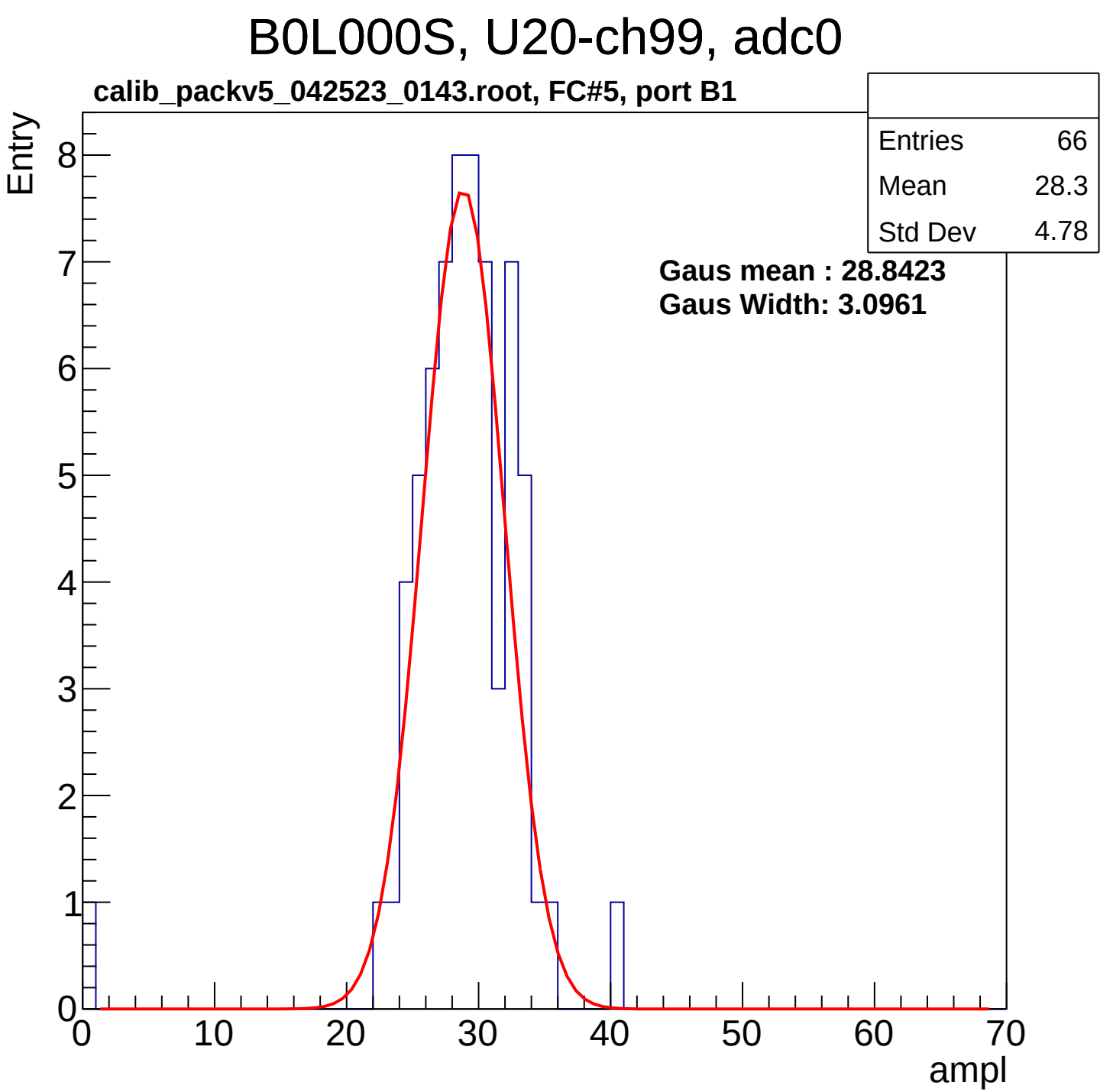
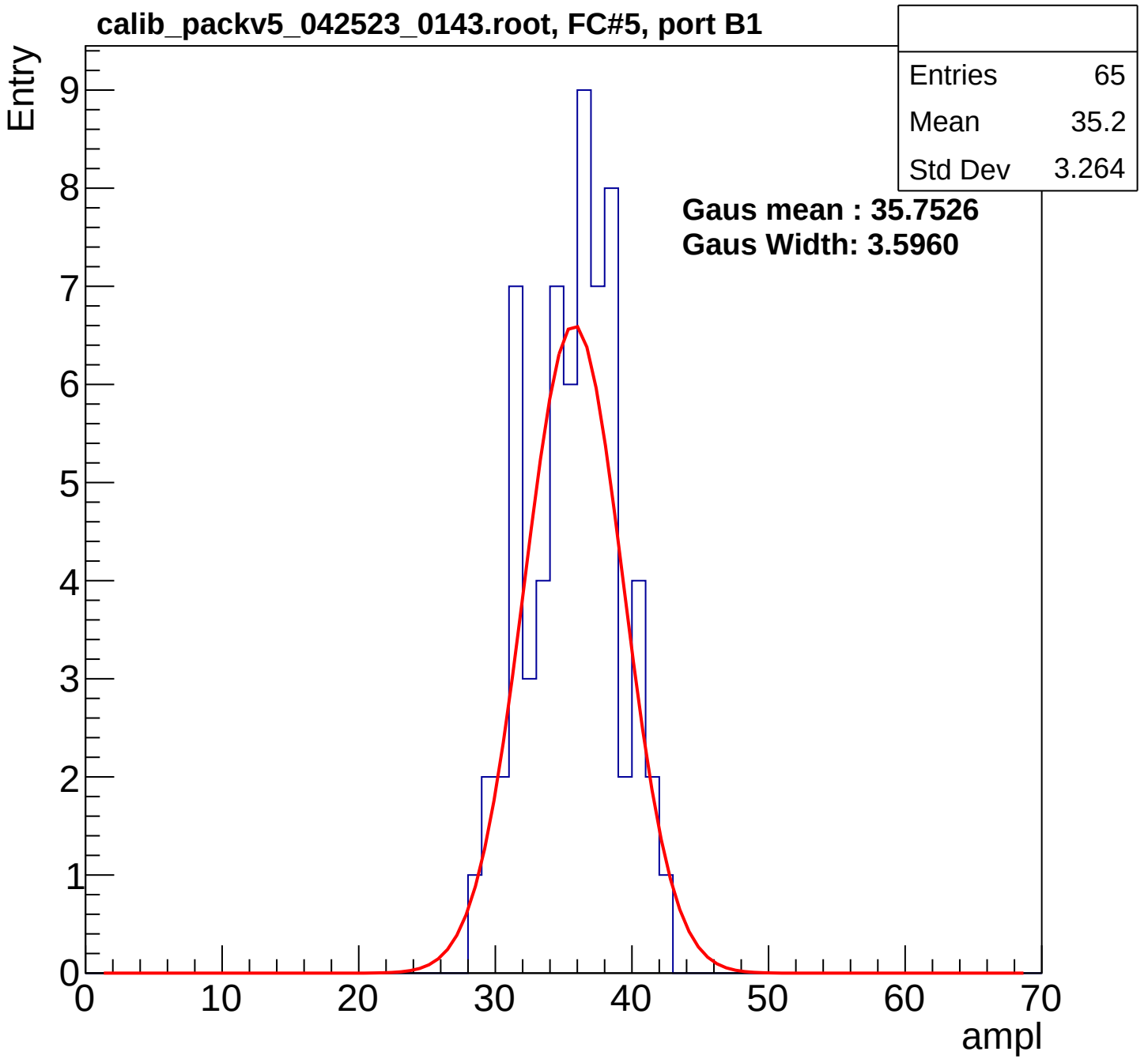
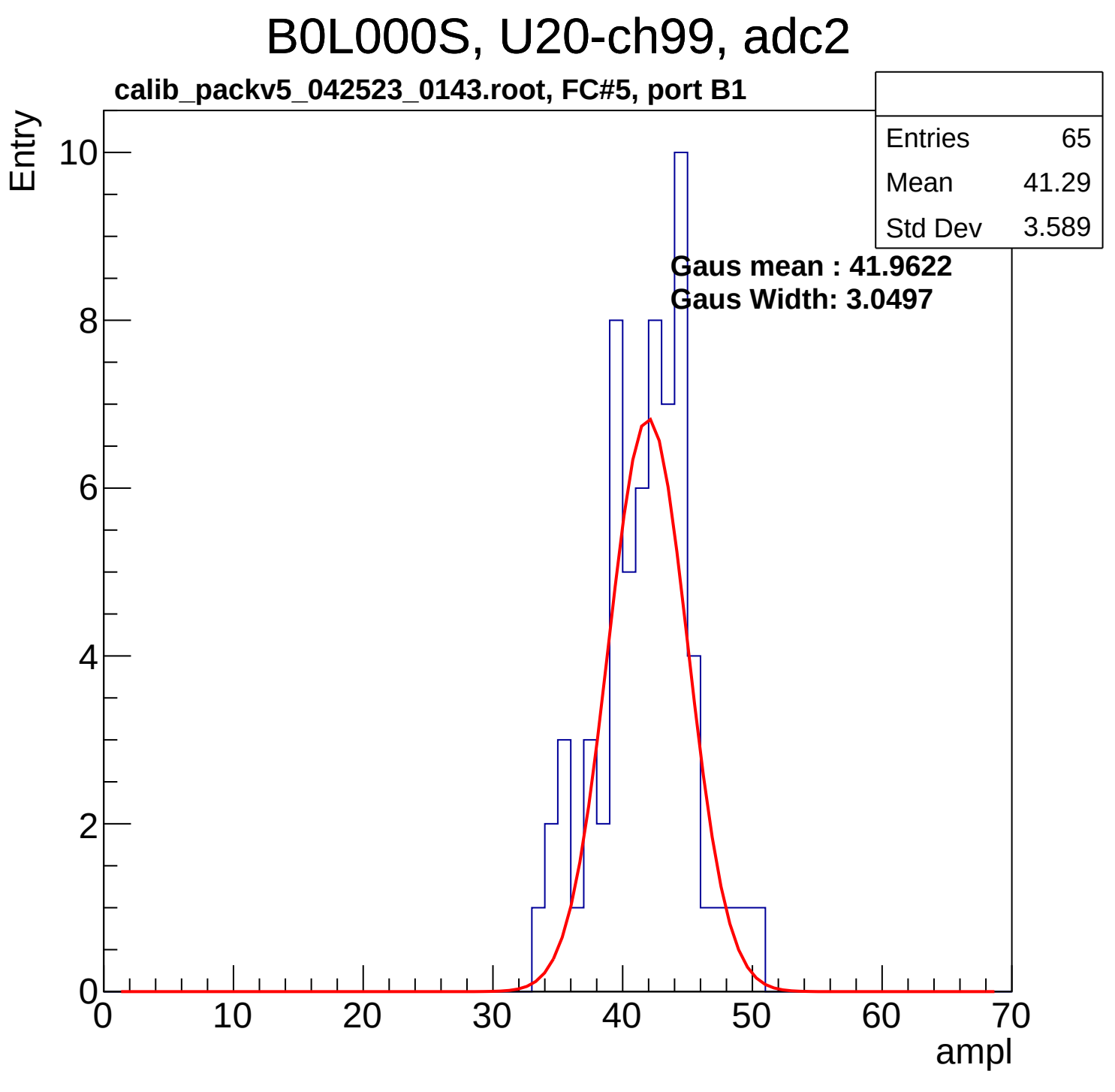

B0L000S, U20-ch98, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 37.6
Std Dev 30.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch99, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 28.3
Std Dev 4.78
Gaus mean : 28.8423
Gaus Width: 3.0961
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch99, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 35.2
Std Dev 3.264
Gaus mean : 35.7526
Gaus Width: 3.5960
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch99, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 41.29
Std Dev 3.589
Gaus mean : 41.9622
Gaus Width: 3.0497
Entry
ampl
0
2
4
6
8
10
0
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20
30
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60
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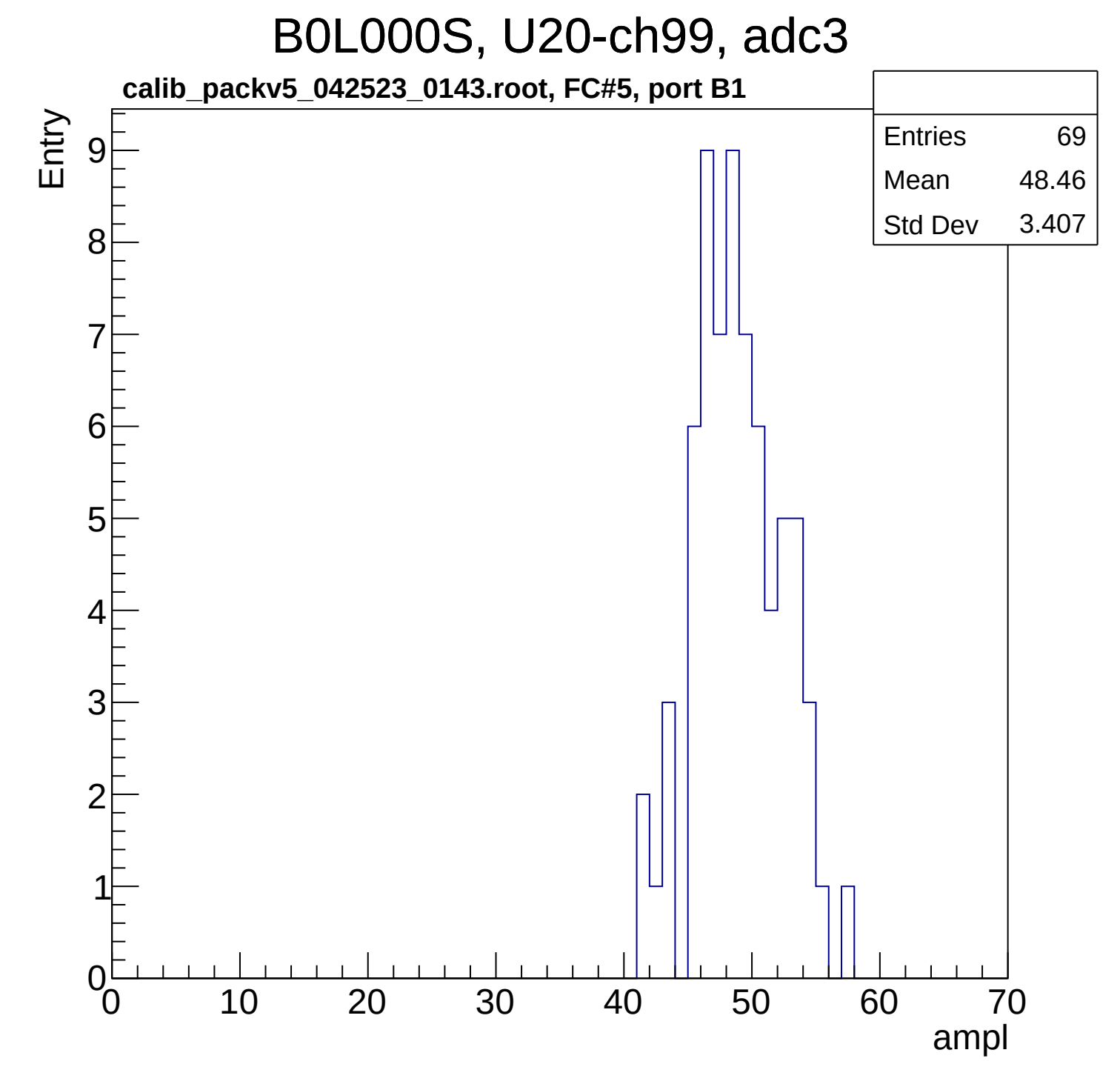
B0L000S, U20-ch99, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 48.46
Std Dev 3.407
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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60
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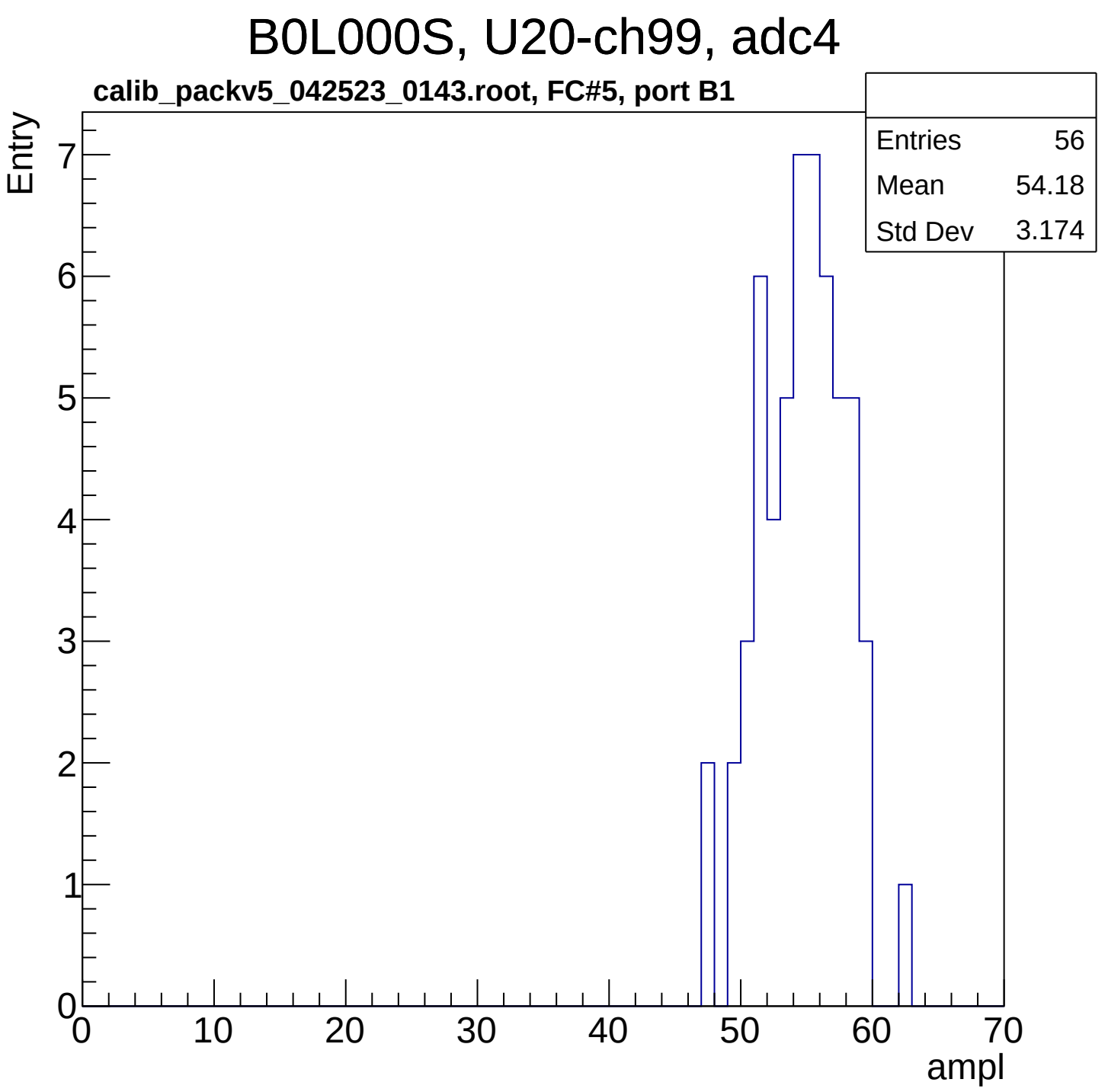
B0L000S, U20-ch99, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 54.18
Std Dev 3.174
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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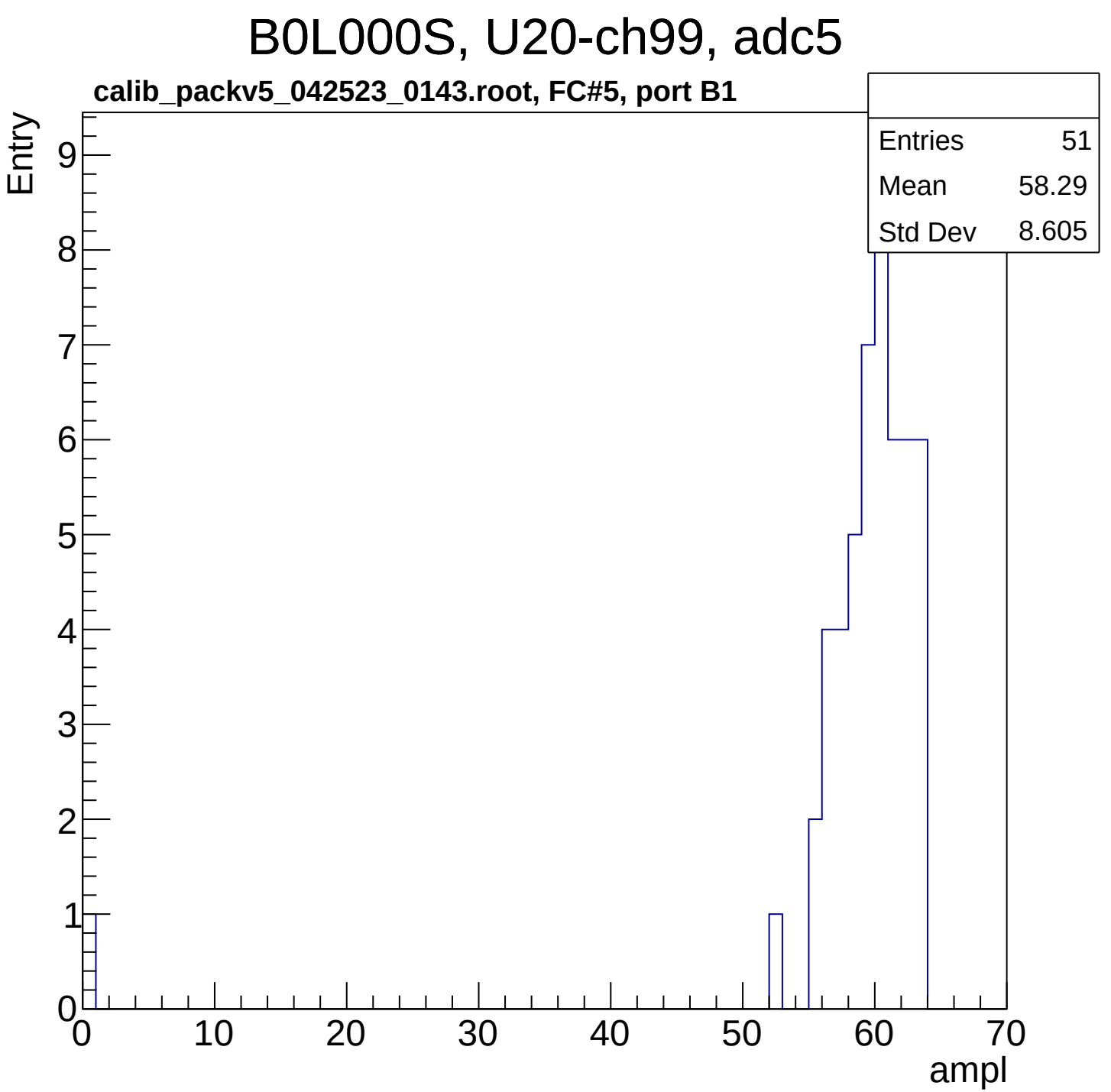
B0L000S, U20-ch99, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 58.29
Std Dev 8.605
Entry
0
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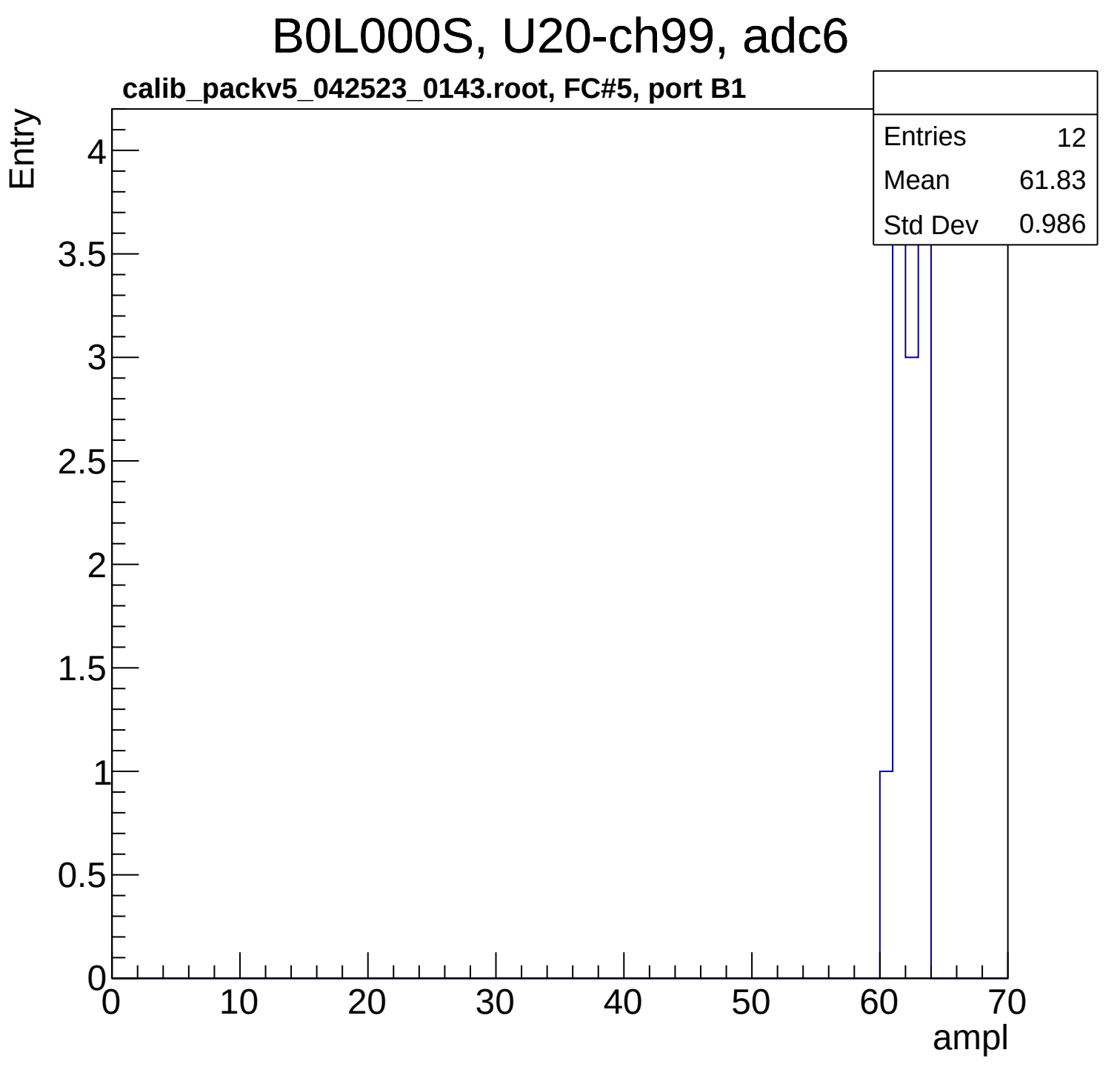
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch99, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 61.83
Std Dev 0.986
Entry
ampl
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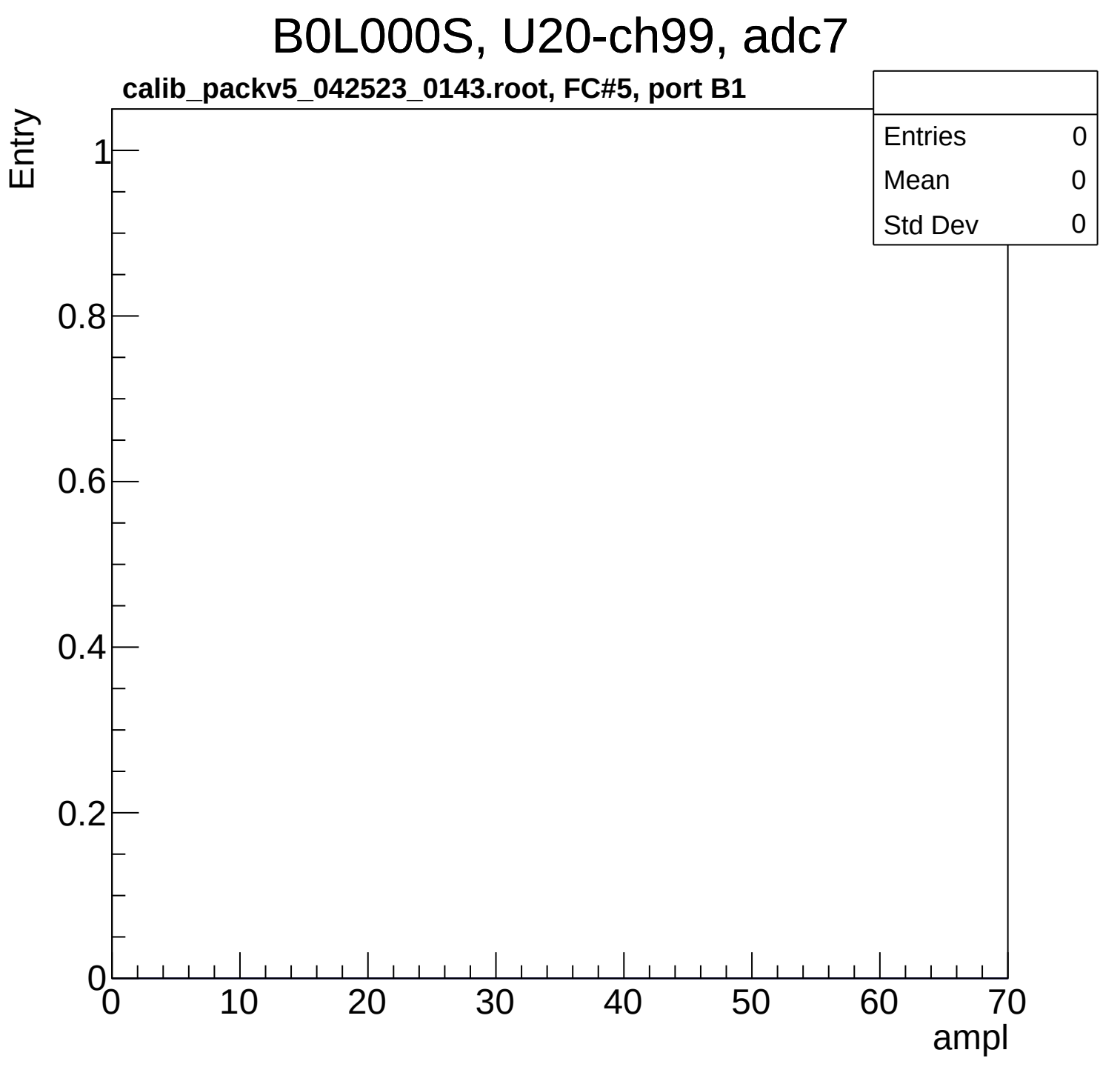
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch99, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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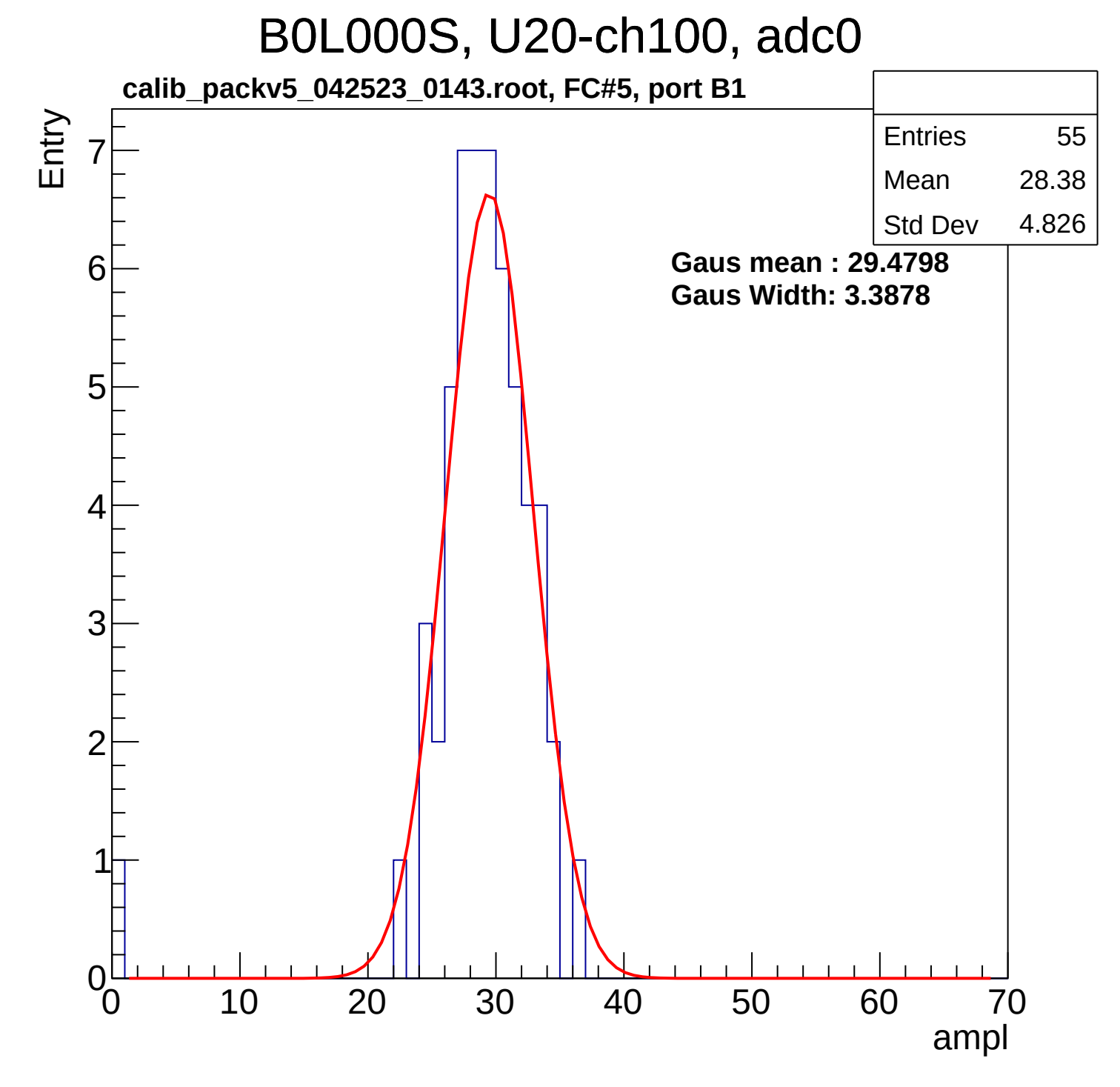
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch100, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 28.38
Std Dev 4.826
Gaus mean : 29.4798
Gaus Width: 3.3878
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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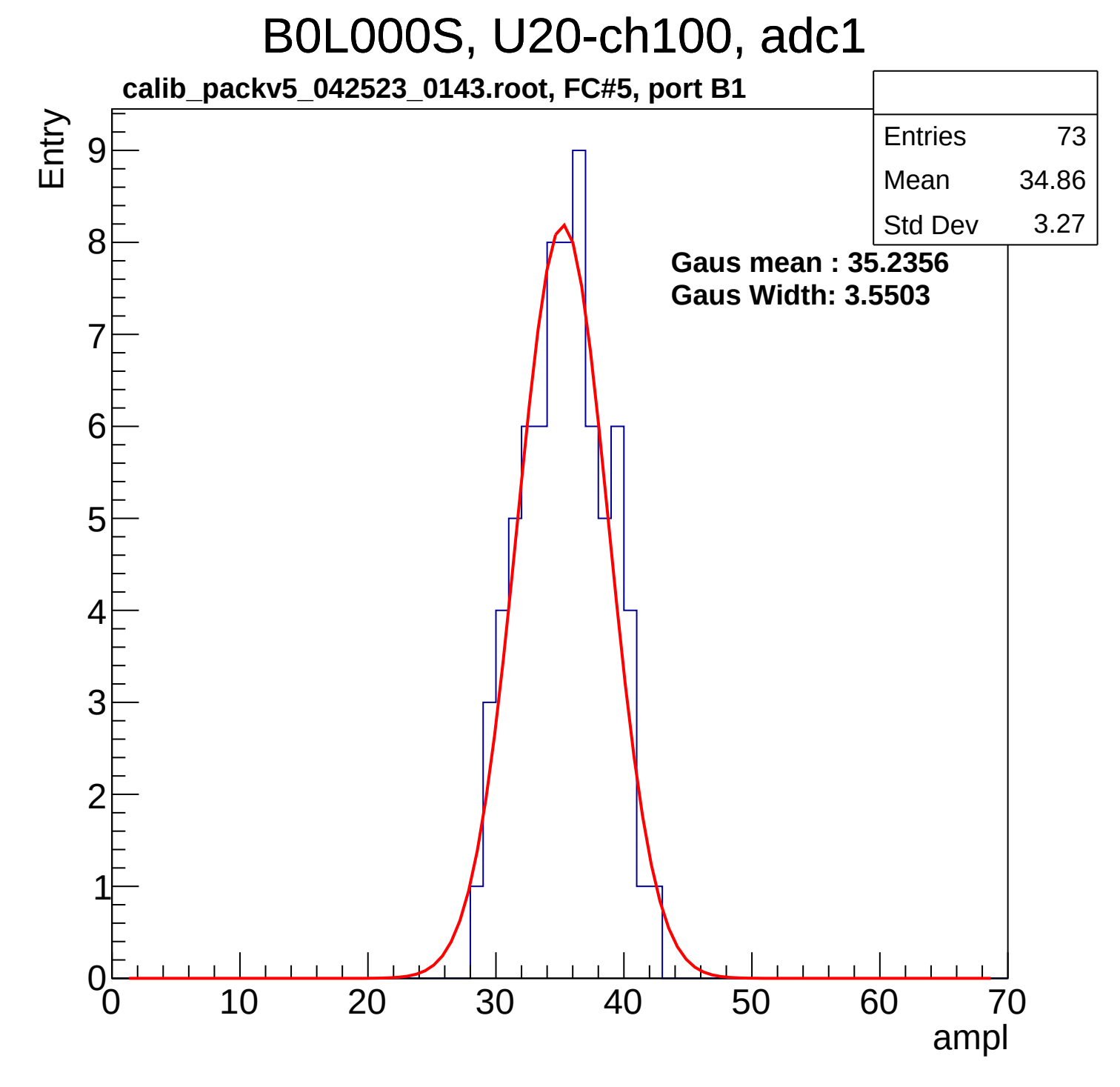
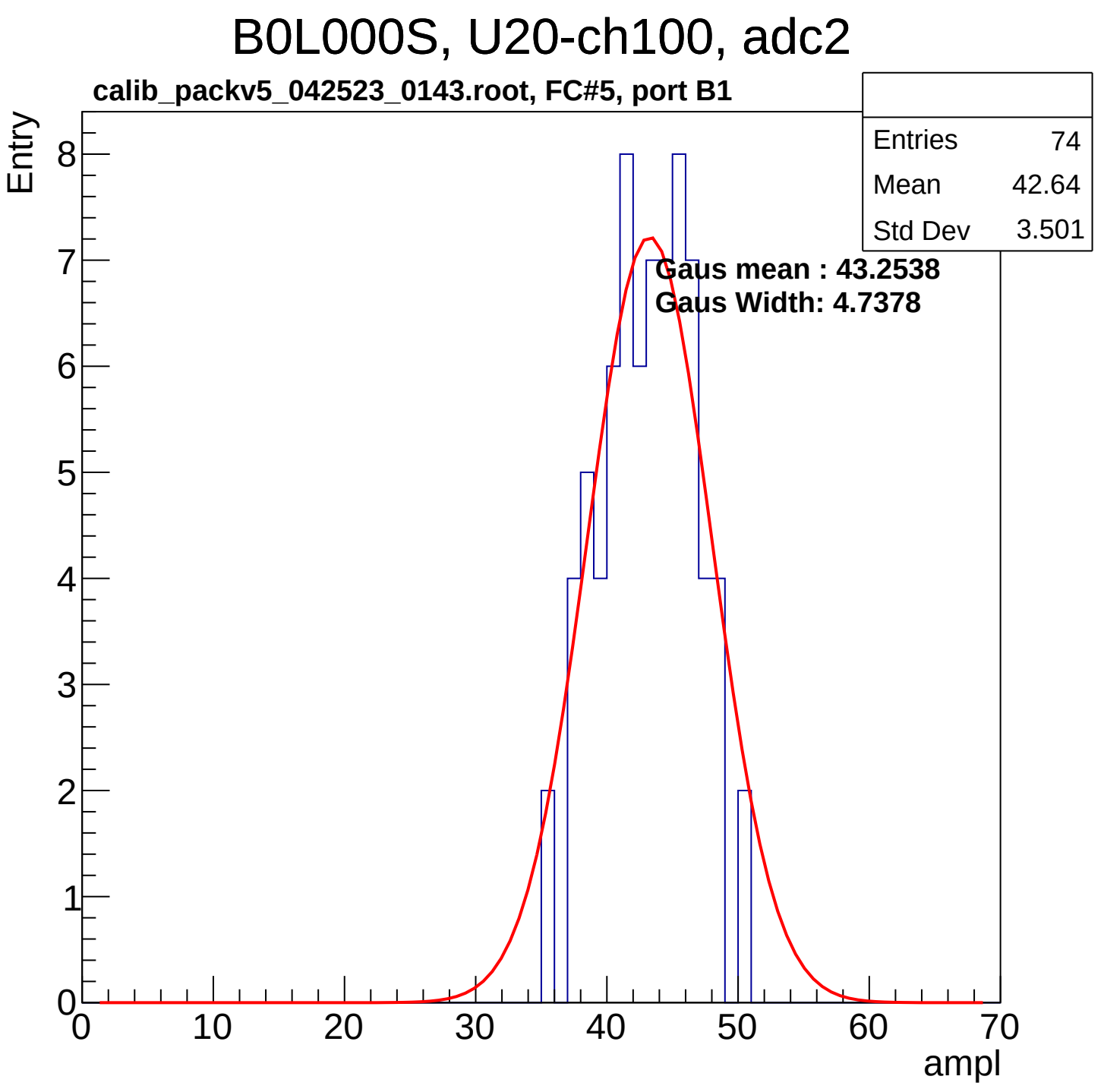

B0L000S, U20-ch100, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 34.86
Std Dev 3.27
Gaus mean : 35.2356
Gaus Width: 3.5503
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L000S, U20-ch100, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 42.64
Std Dev 3.501
Gaus mean : 43.2538
Gaus Width: 4.7378
Entry
ampl
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1
2
3
4
5
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0
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40
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60
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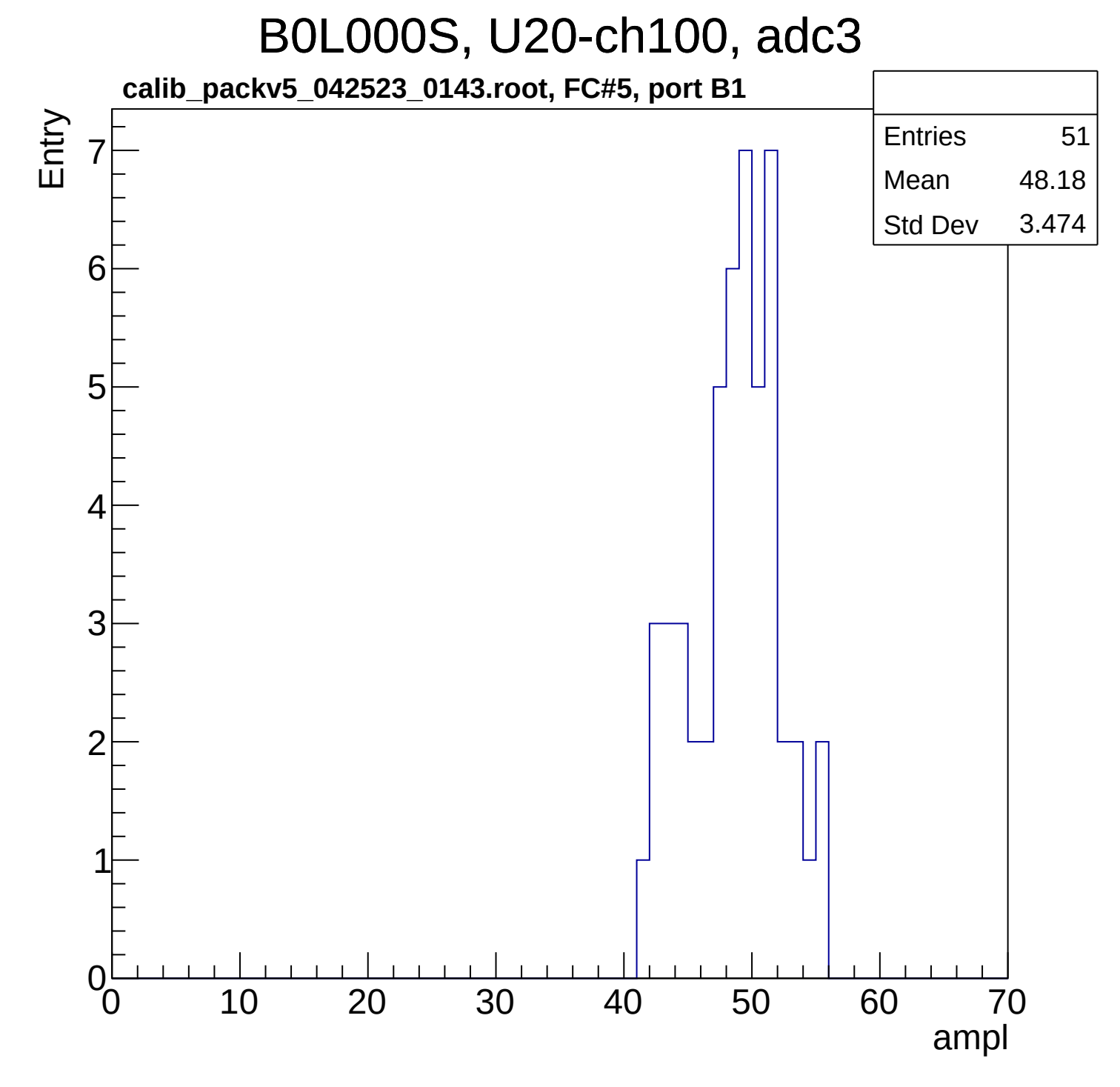
B0L000S, U20-ch100, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 48.18
Std Dev 3.474
Entry
ampl
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0
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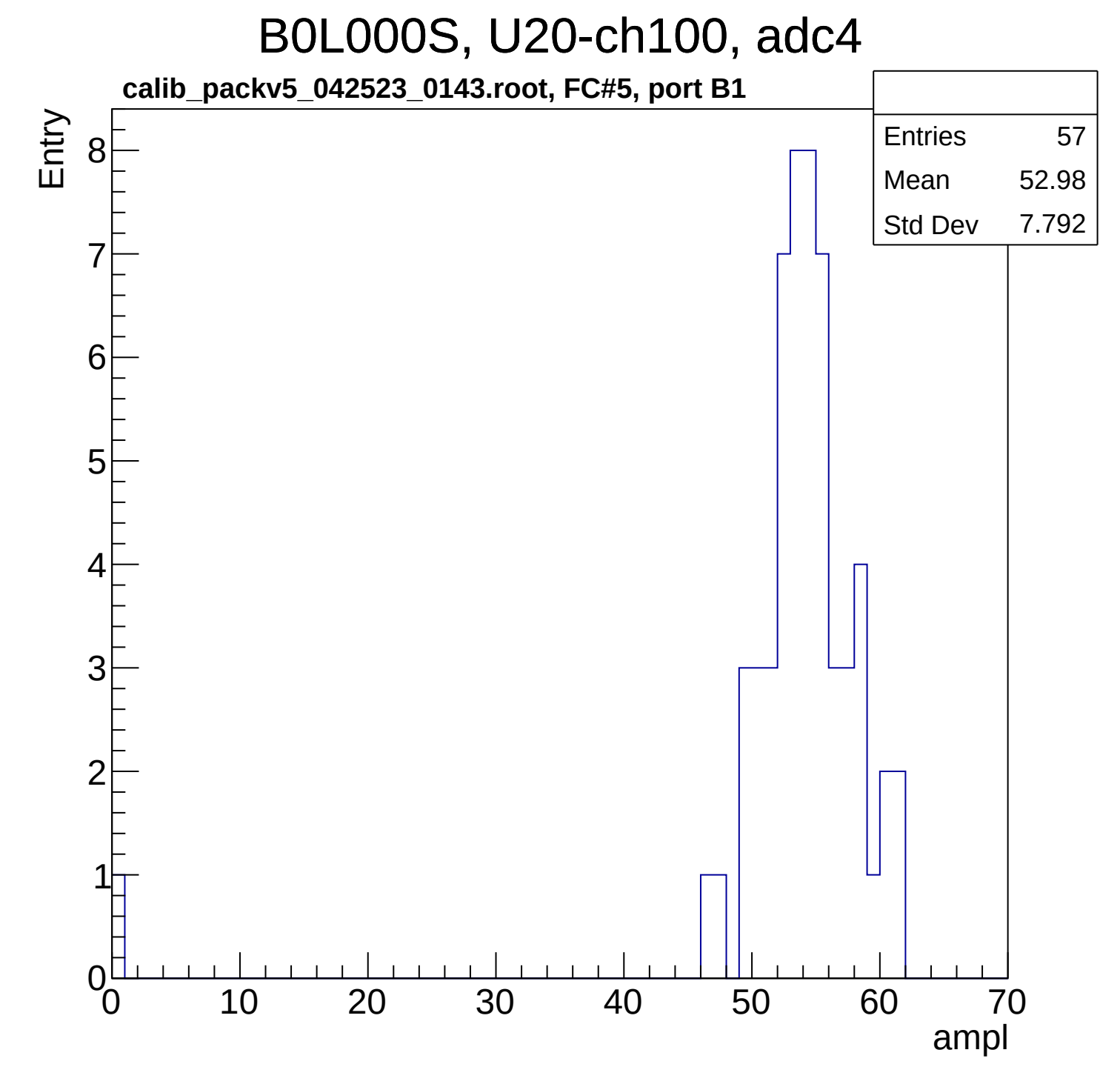
B0L000S, U20-ch100, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 52.98
Std Dev 7.792
Entry
ampl
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2
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7
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0
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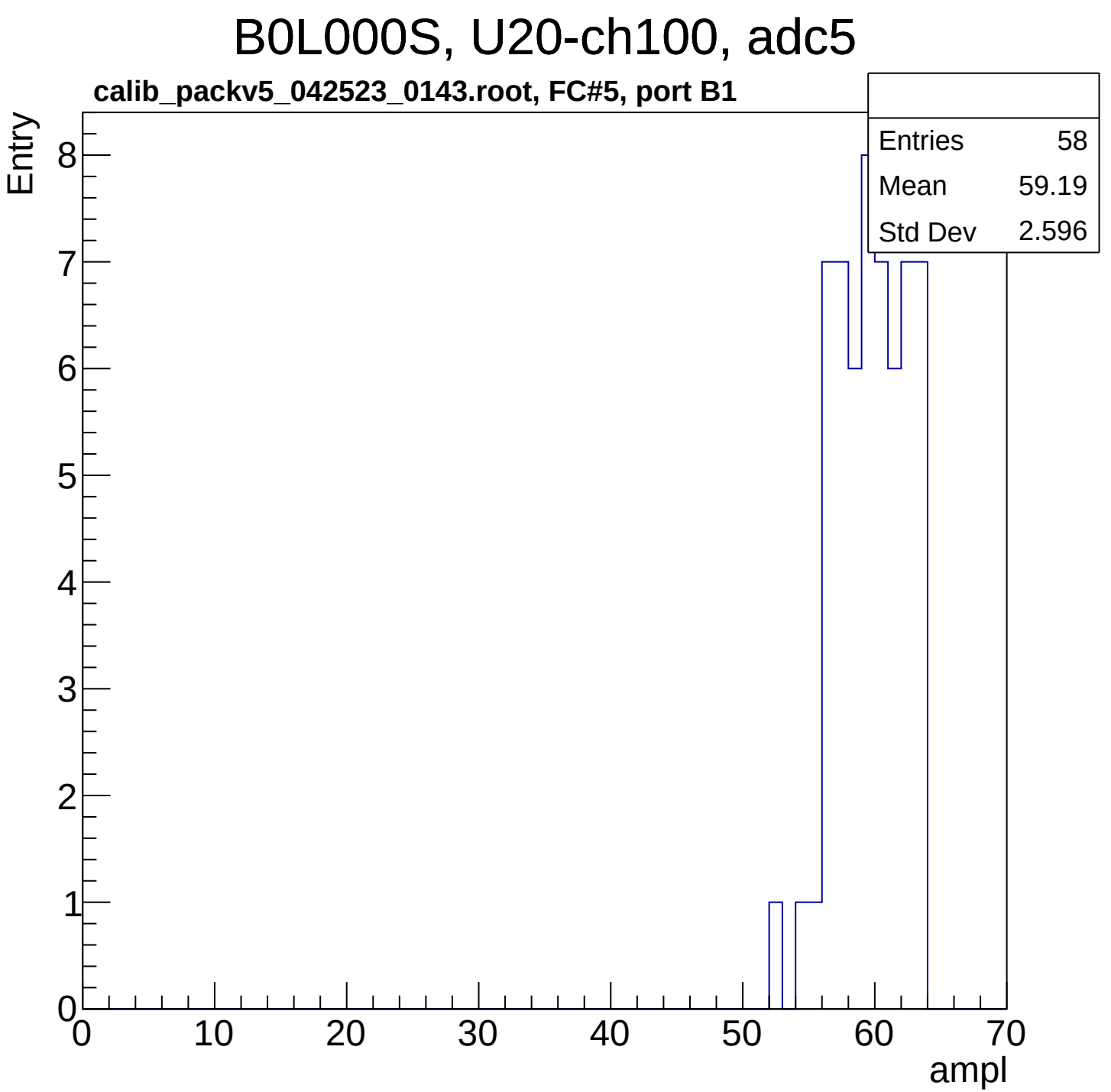
B0L000S, U20-ch100, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 59.19
Std Dev 2.596
Entry
ampl
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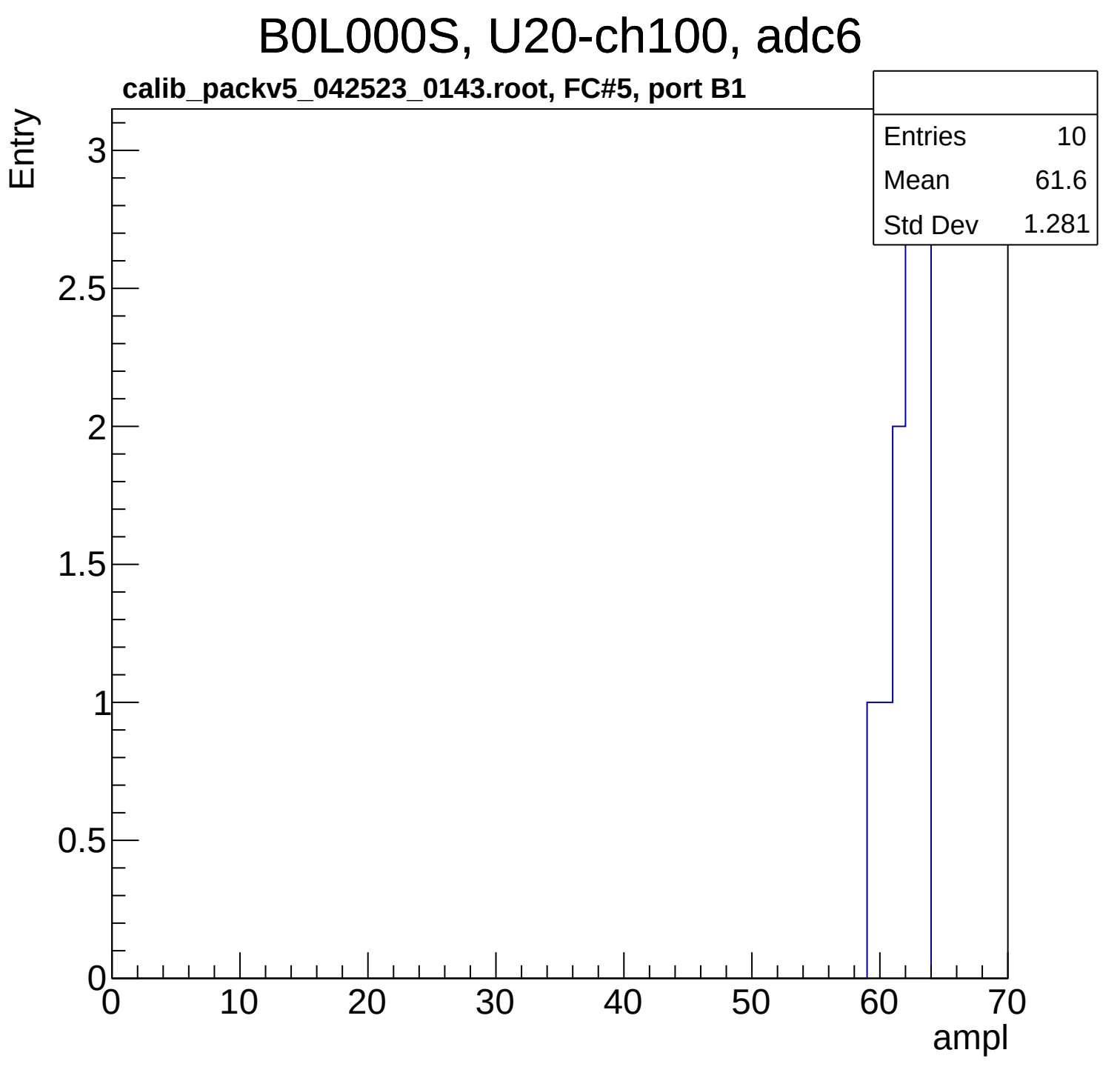
B0L000S, U20-ch100, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.6
Std Dev 1.281
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
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40
50
60
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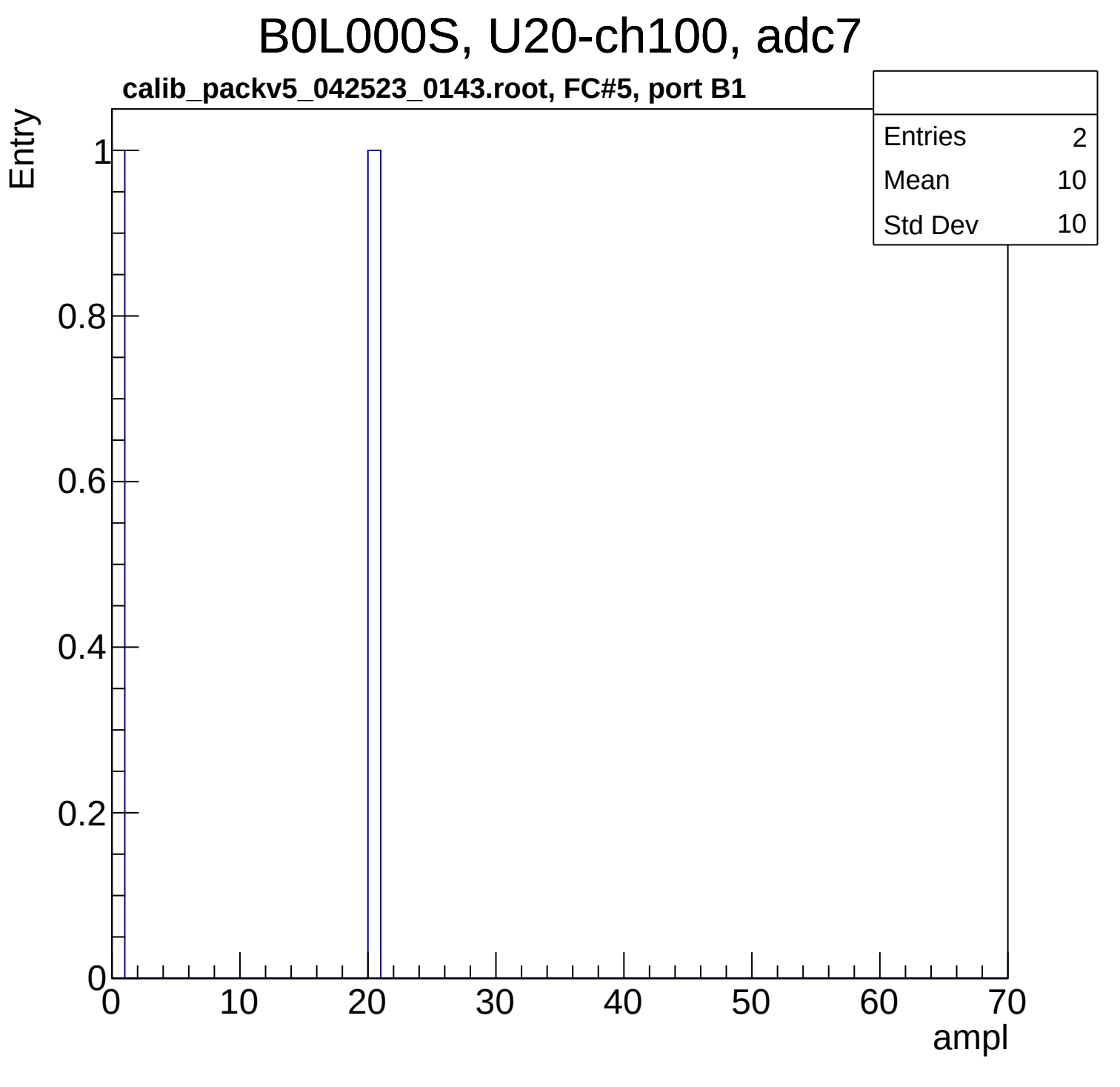
B0L000S, U20-ch100, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 10
Std Dev 10
Entry
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0.8
0.6
0.4
0.2
0
0
10
20
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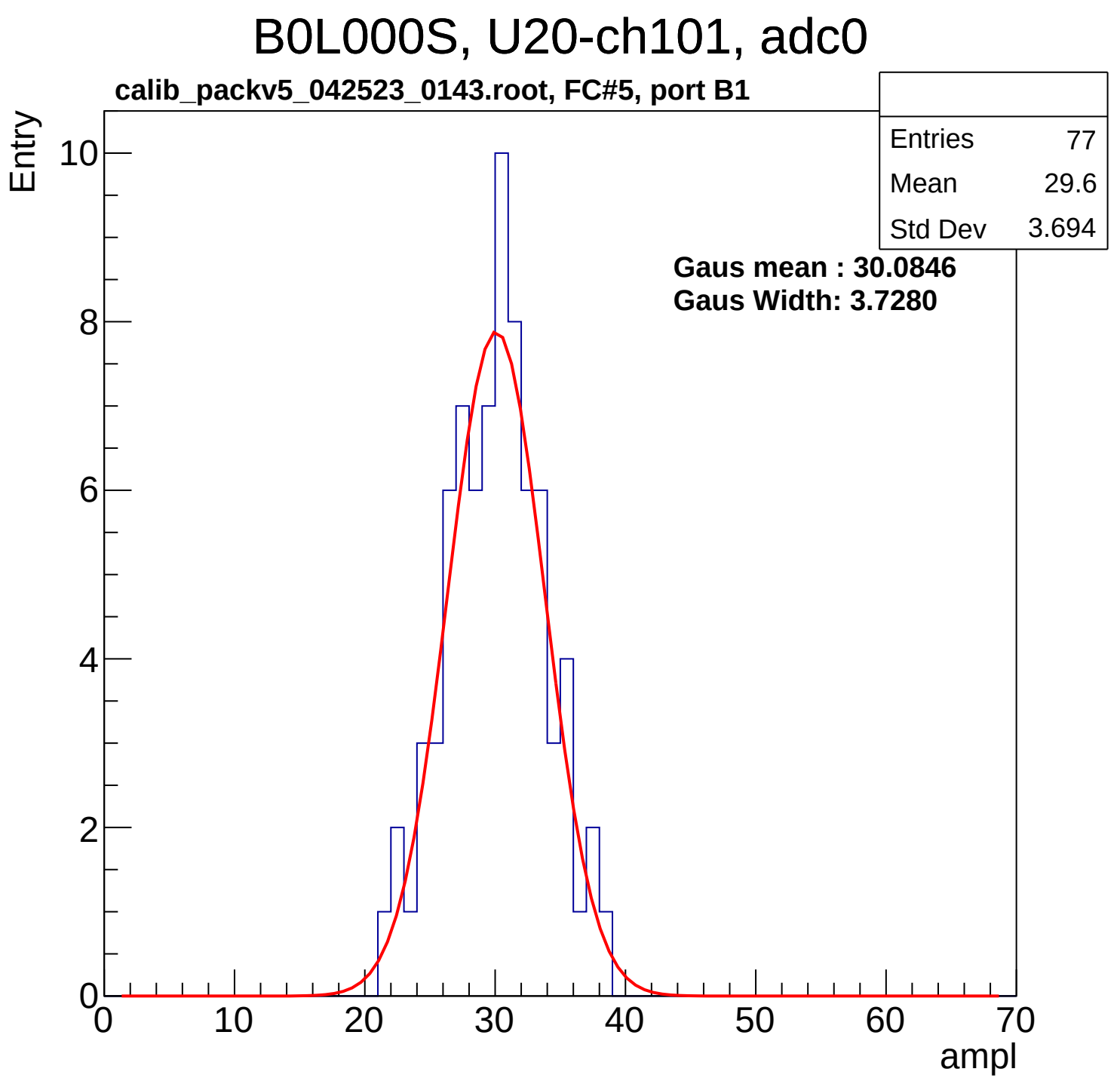
40
50
60
70
ampl


B0L000S, U20-ch101, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 29.6
Std Dev 3.694
Gaus mean : 30.0846
Gaus Width: 3.7280
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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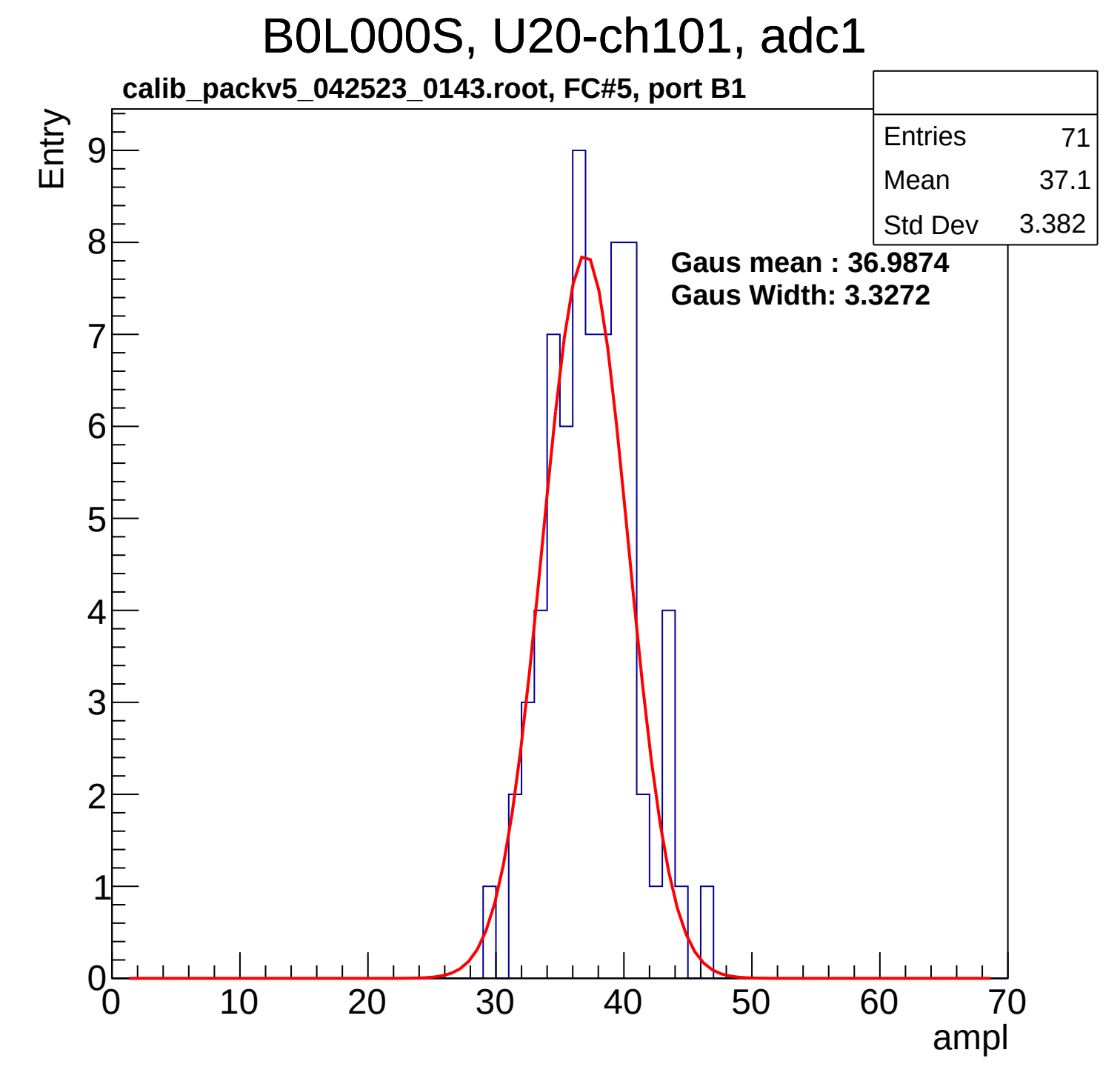
B0L000S, U20-ch101, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 37.1
Std Dev 3.382
Gaus mean : 36.9874
Gaus Width: 3.3272
Entry
ampl
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2
3
4
5
6
7
8
9
0
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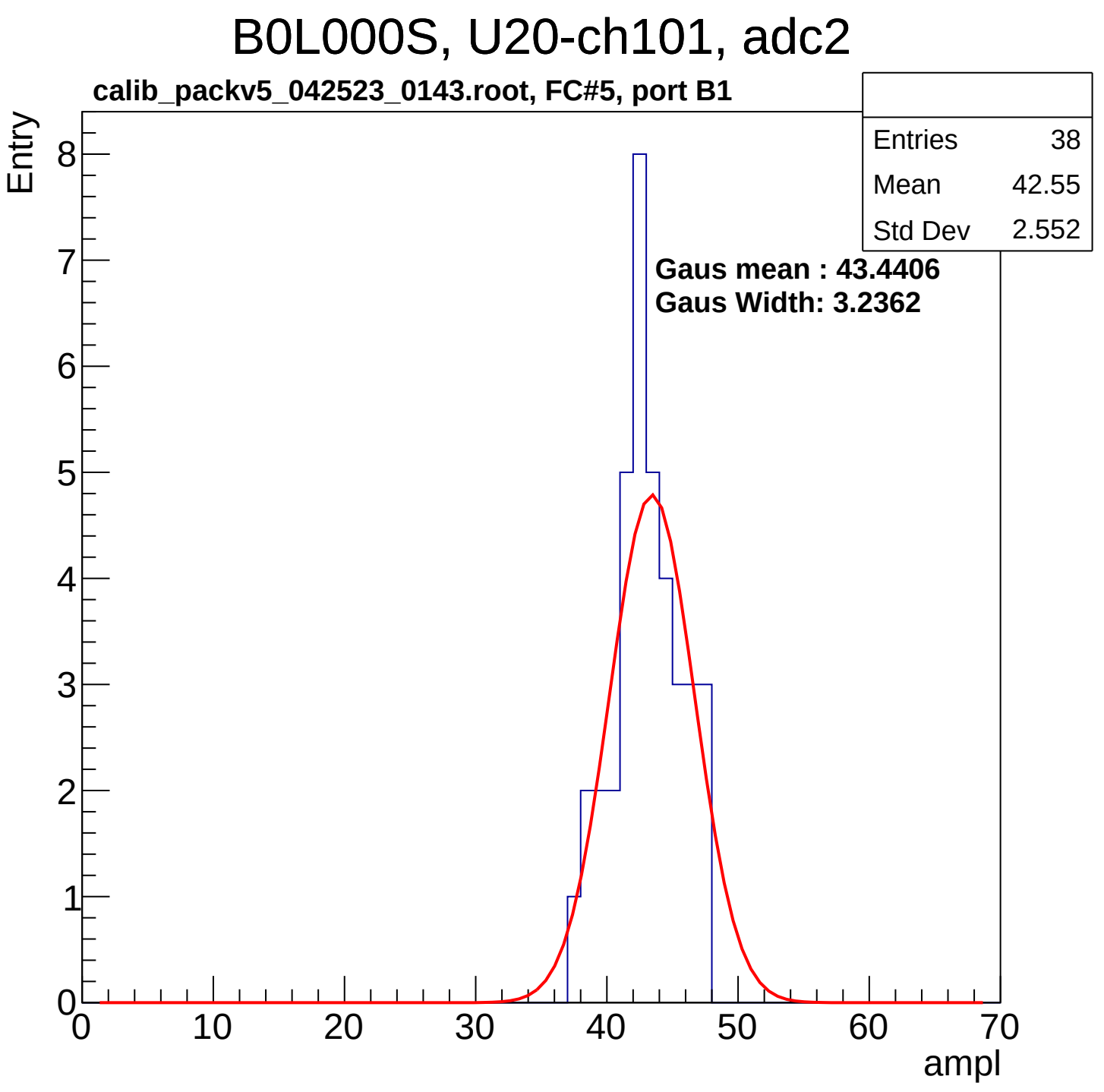
B0L000S, U20-ch101, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 38
Mean 42.55
Std Dev 2.552
Gaus mean : 43.4406
Gaus Width: 3.2362
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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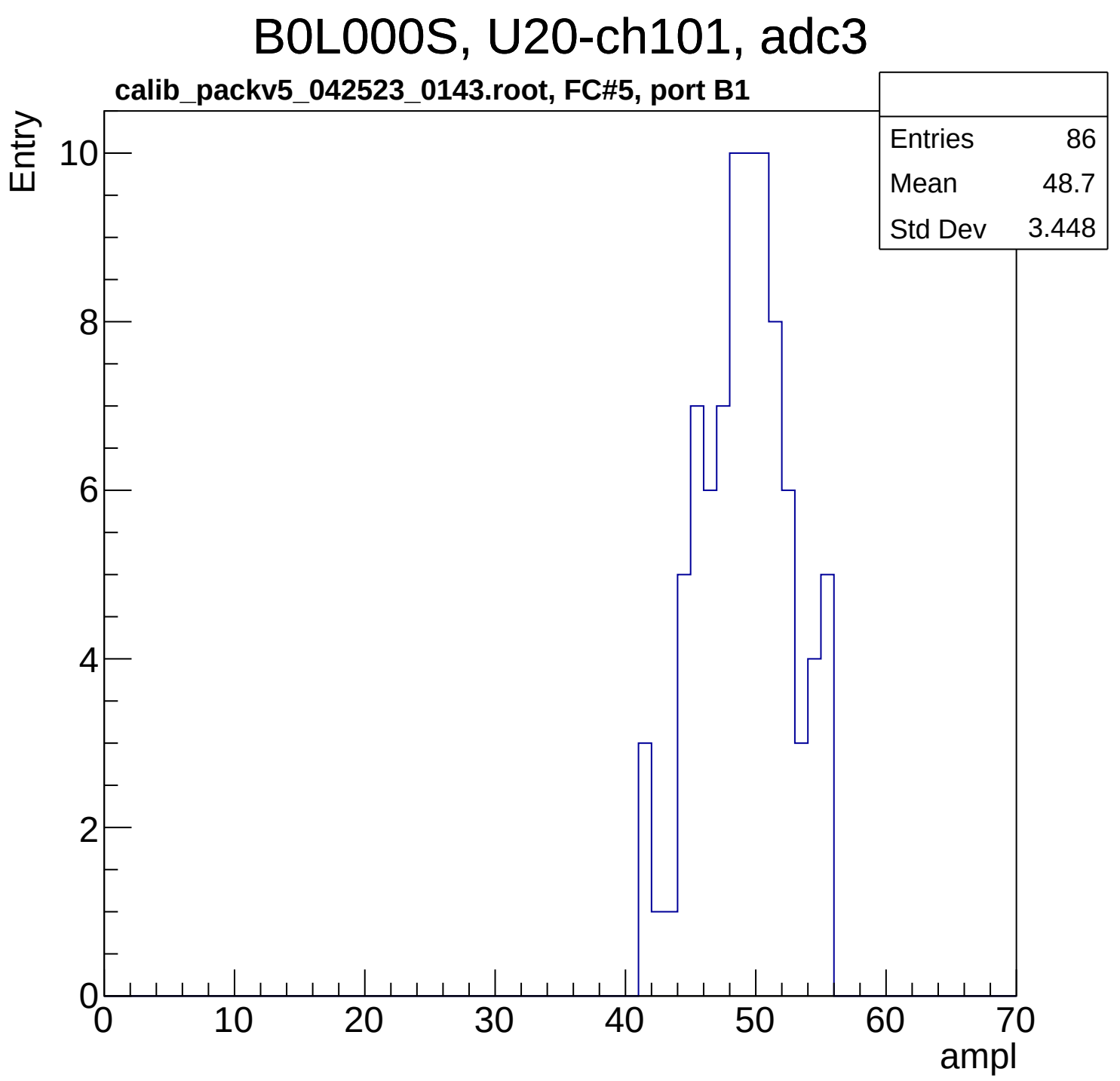
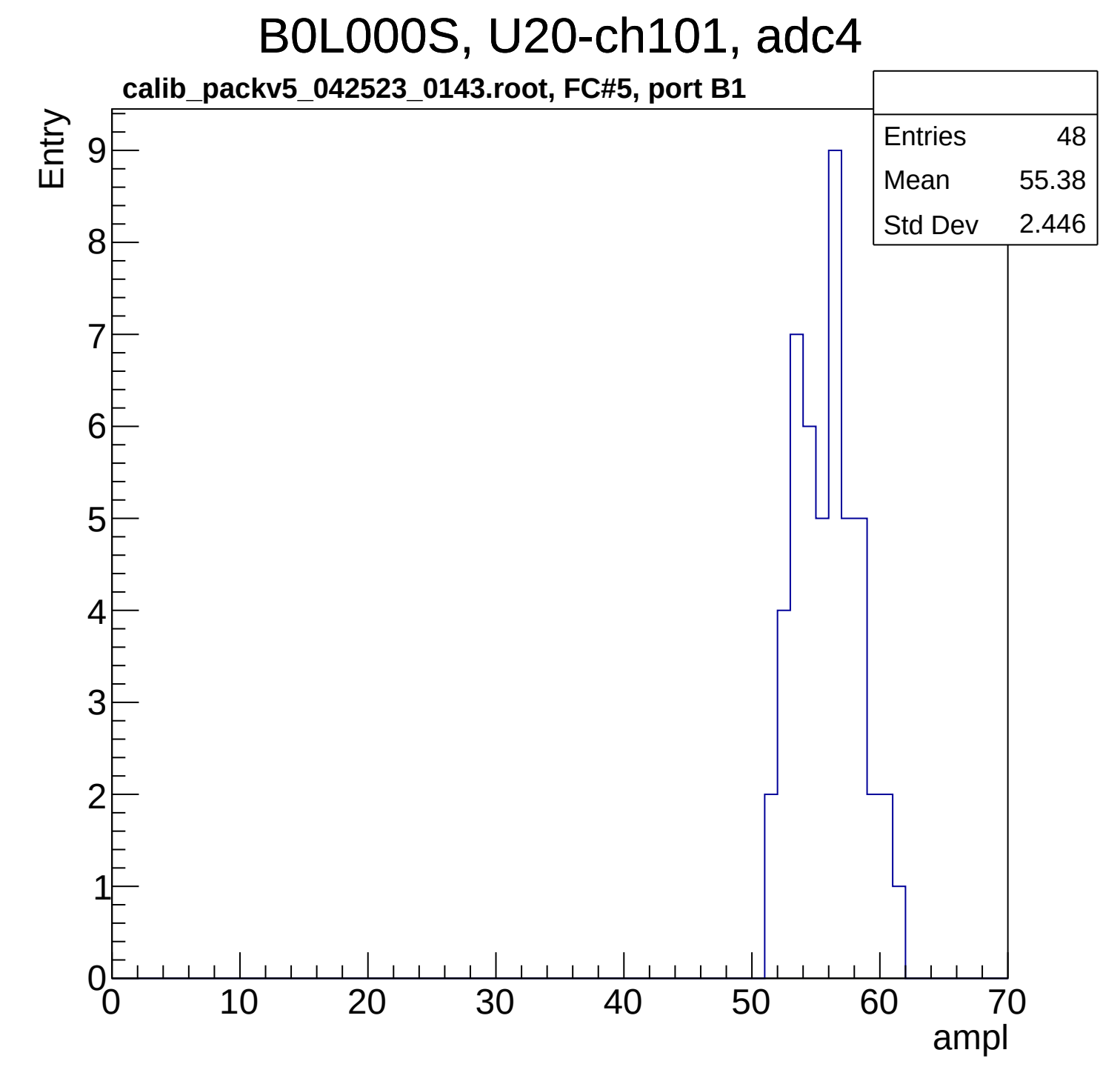

B0L000S, U20-ch101, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 86
Mean 48.7
Std Dev 3.448
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch101, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 55.38
Std Dev 2.446
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
30
40
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60
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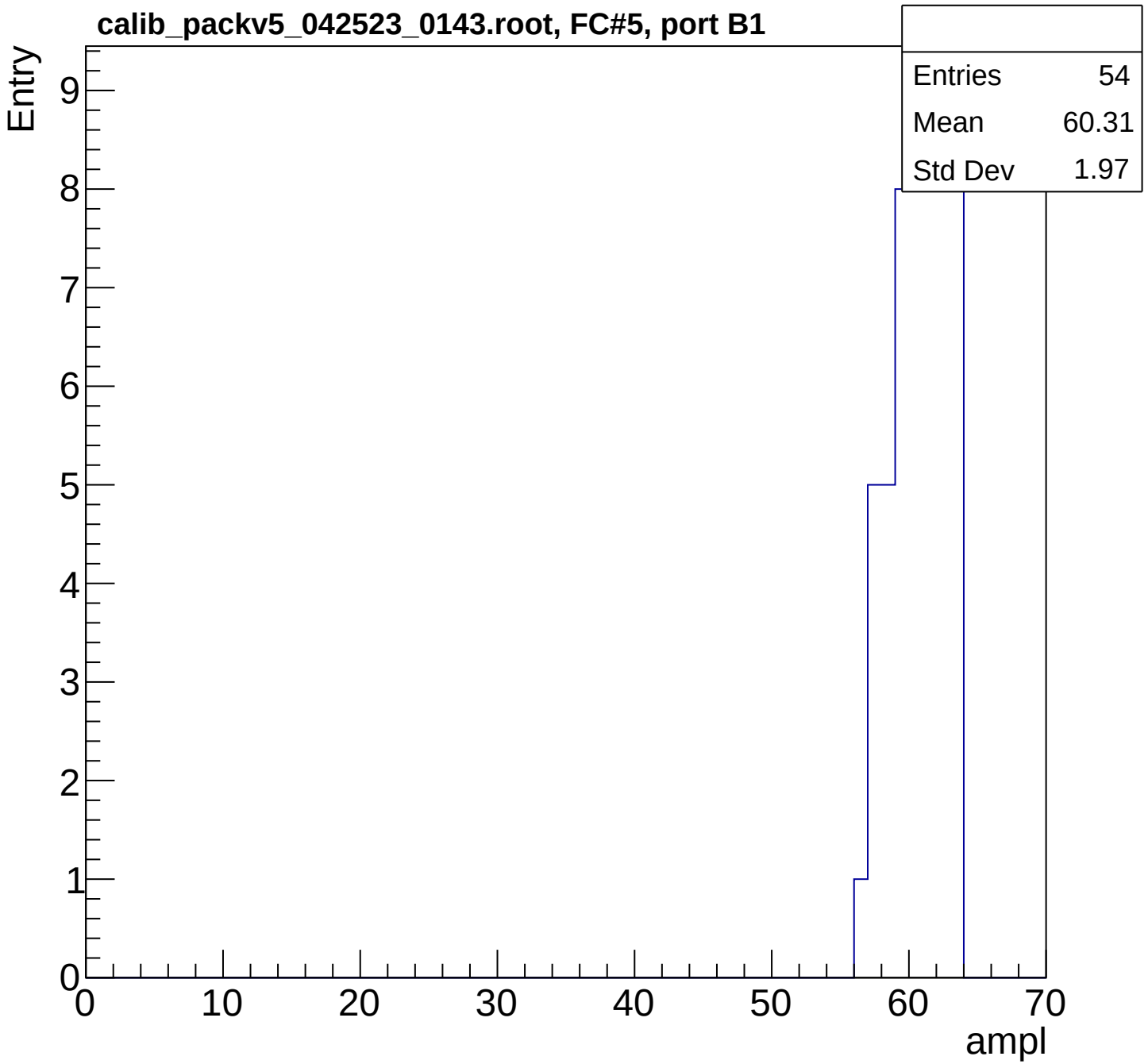
B0L000S, U20-ch101, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 60.31
Std Dev 1.97
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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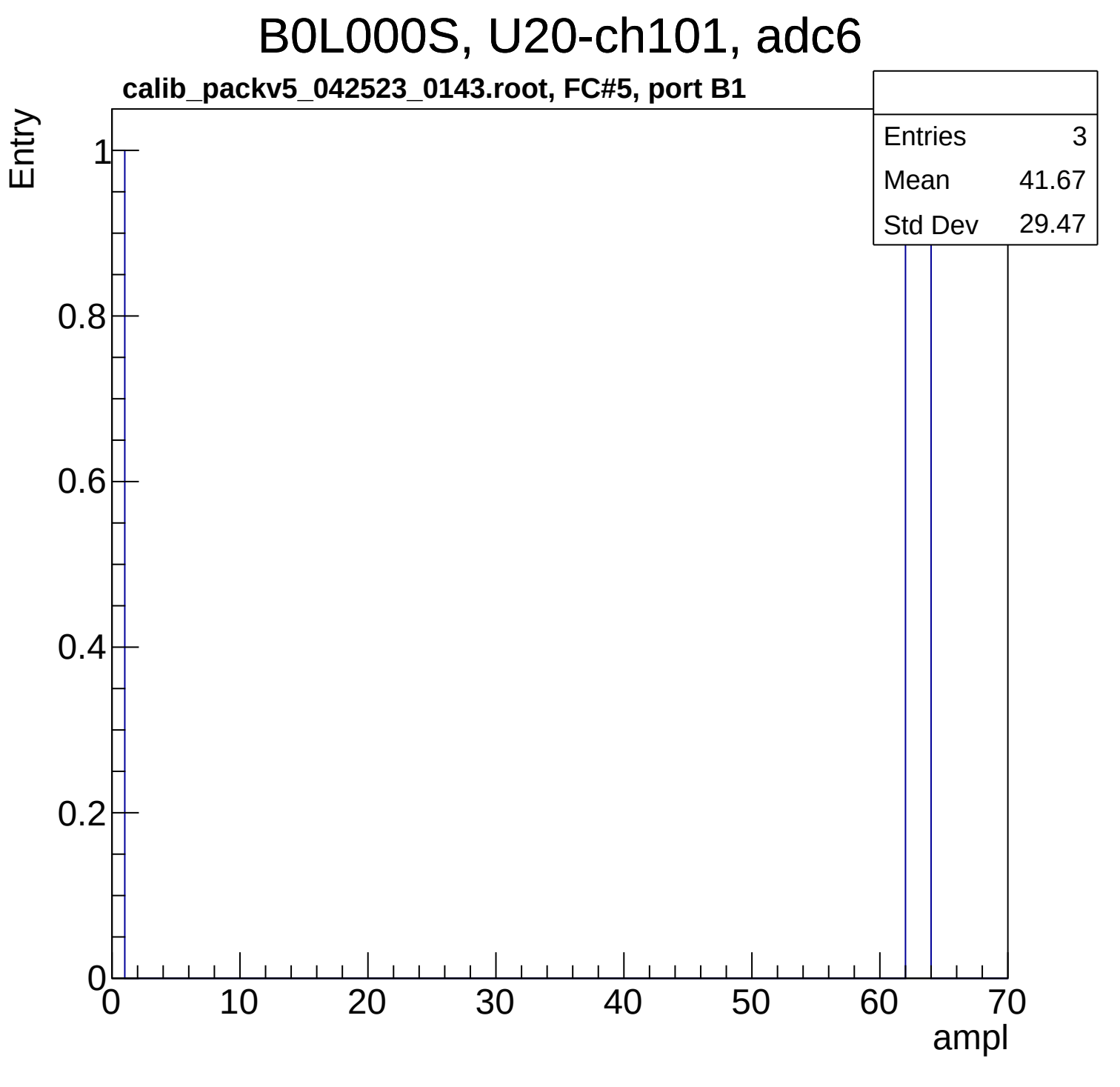
B0L000S, U20-ch101, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 41.67
Std Dev 29.47
Entry
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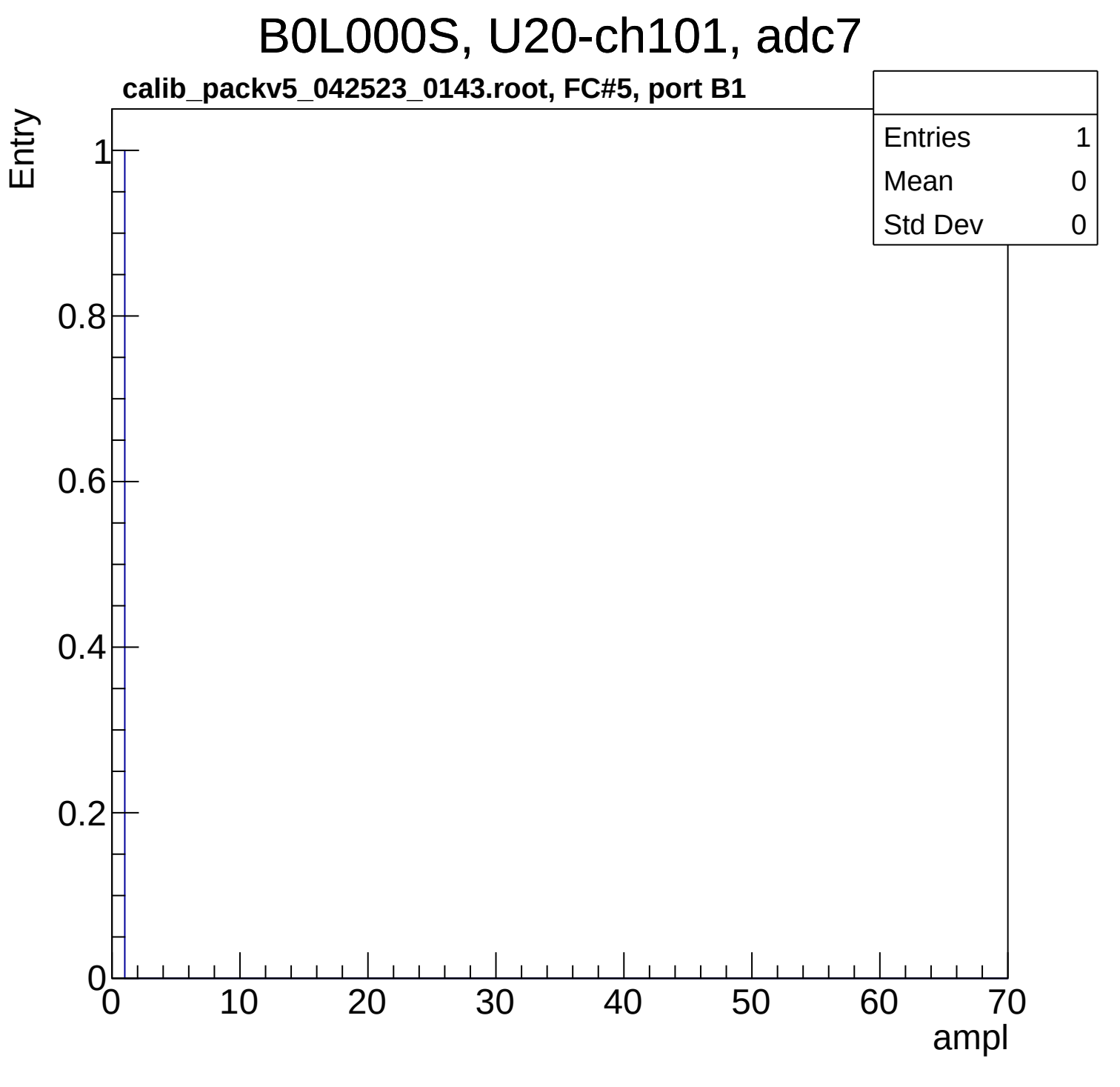
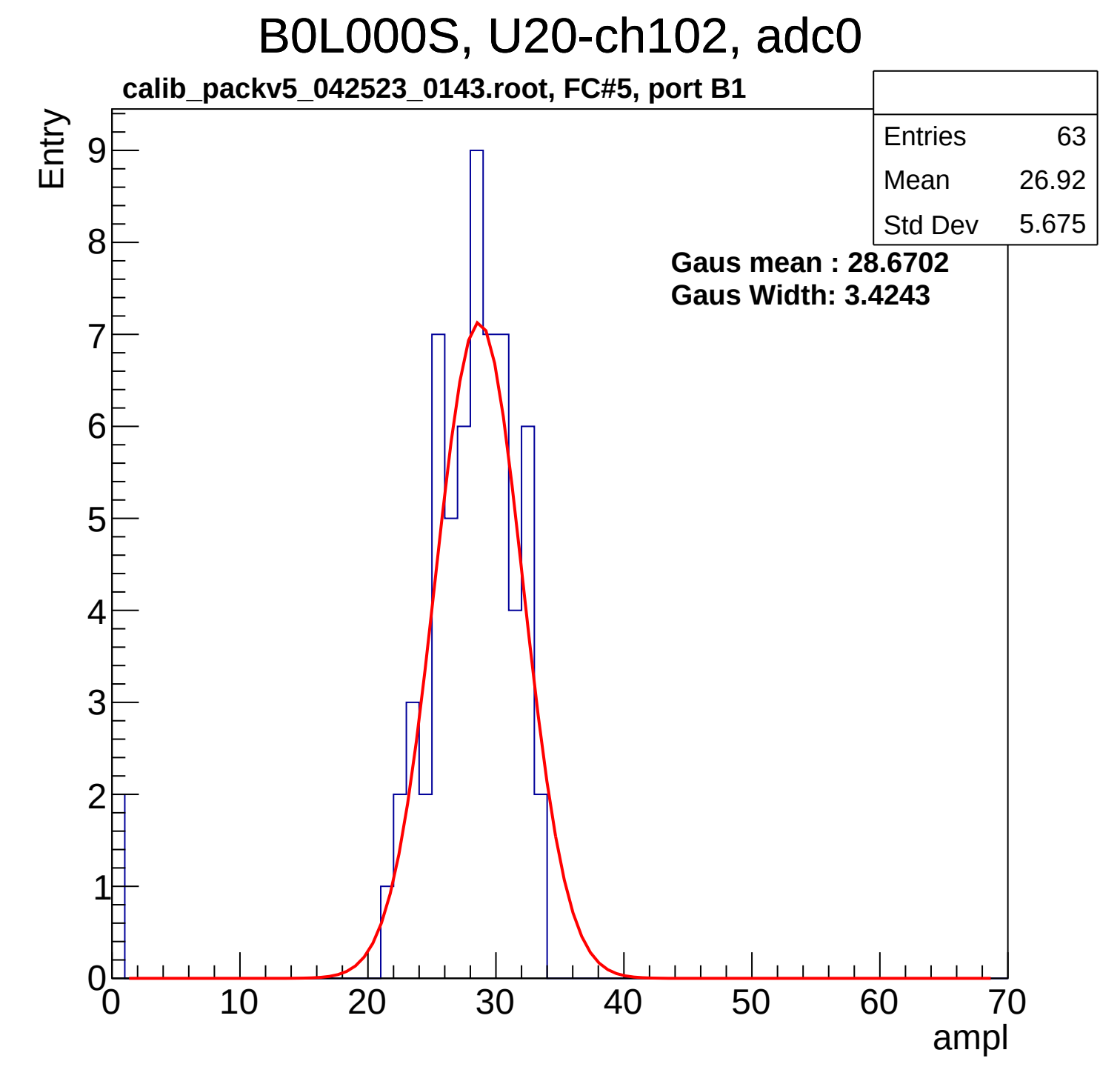
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch101, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch102, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 26.92
Std Dev 5.675
Gaus mean : 28.6702
Gaus Width: 3.4243
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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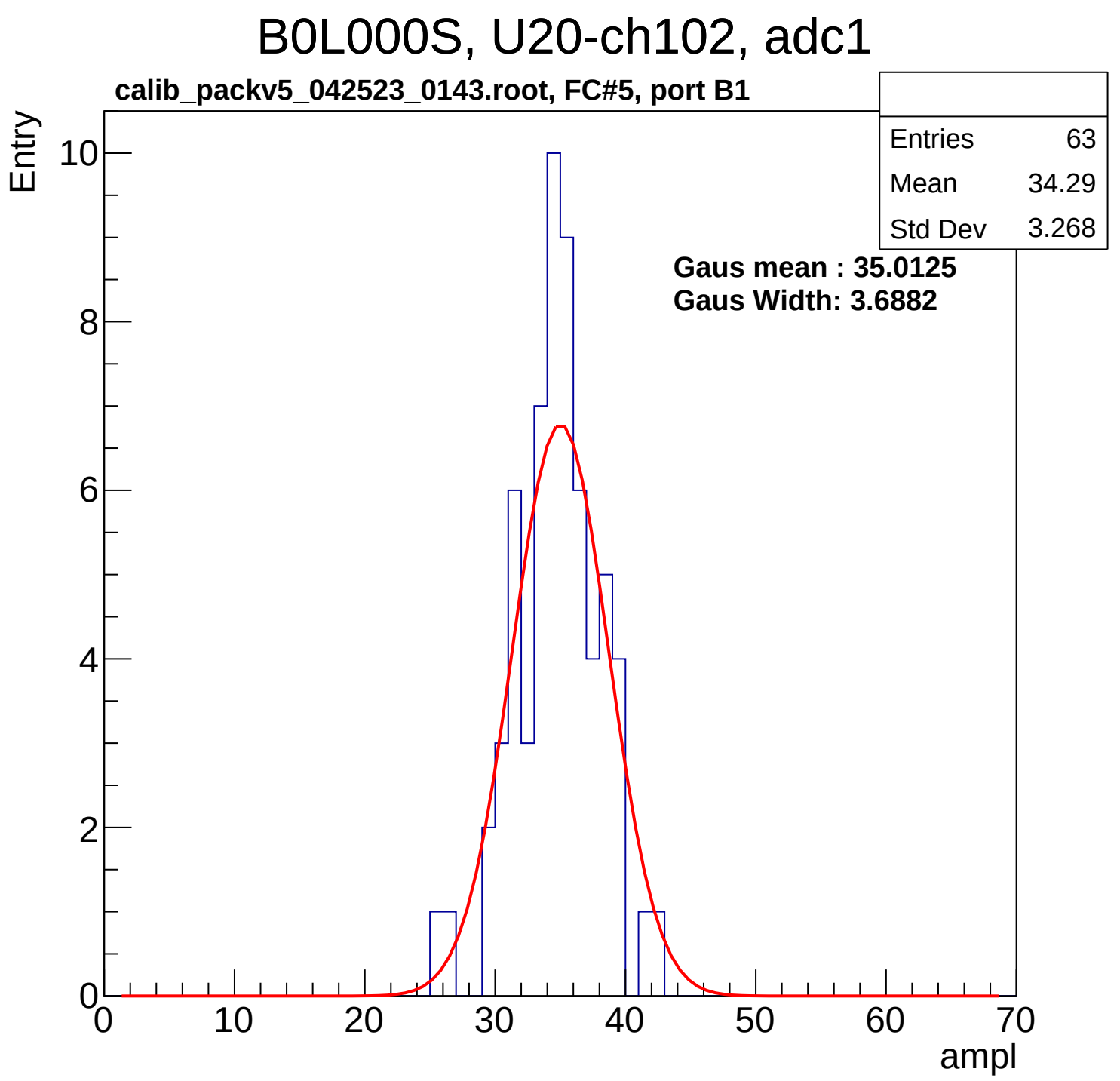
B0L000S, U20-ch102, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 34.29
Std Dev 3.268
Gaus mean : 35.0125
Gaus Width: 3.6882
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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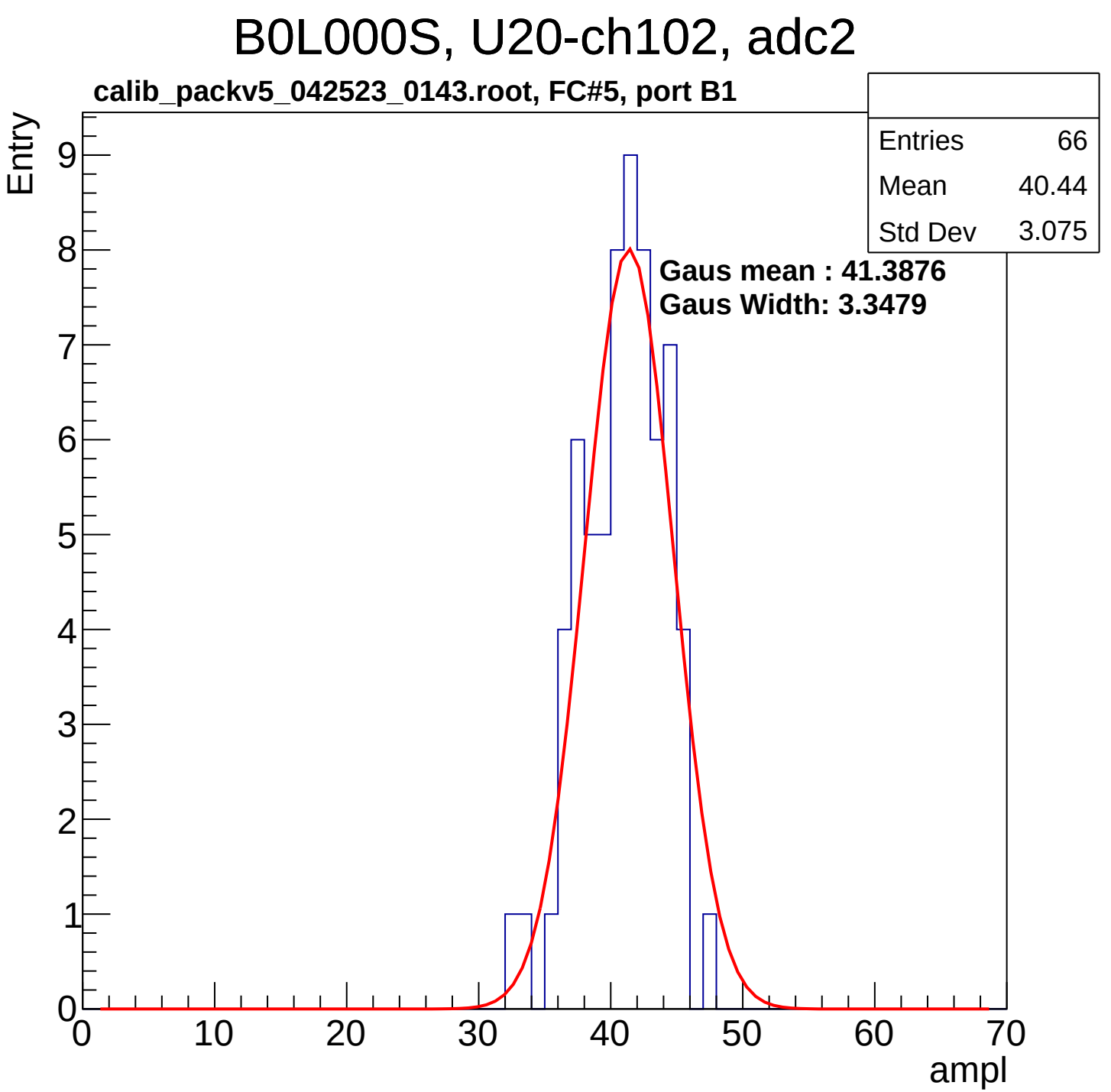
B0L000S, U20-ch102, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 40.44
Std Dev 3.075
Gaus mean : 41.3876
Gaus Width: 3.3479
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
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60
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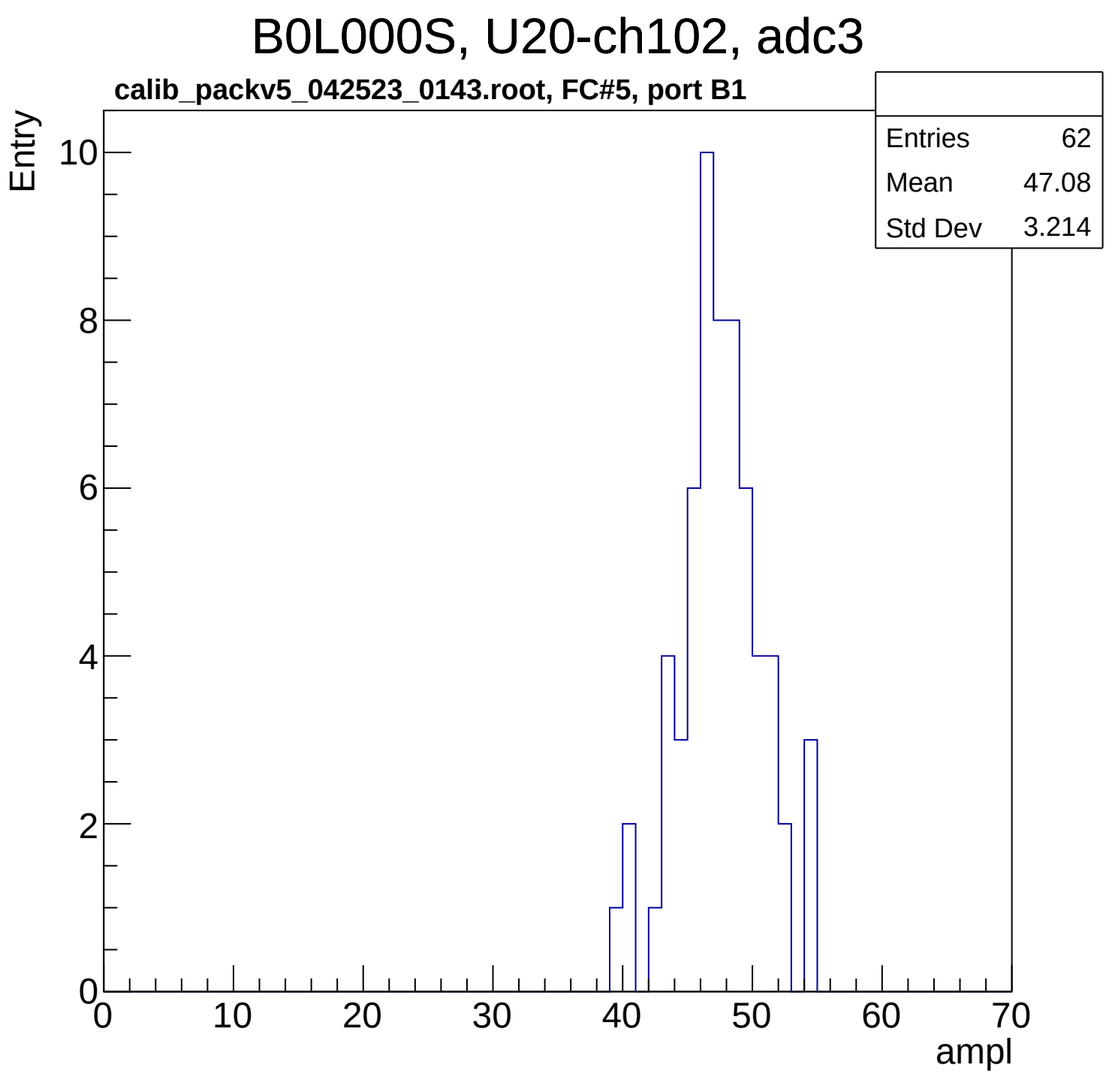
B0L000S, U20-ch102, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 47.08
Std Dev 3.214
Entry
ampl
0
2
4
6
8
10
0
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20
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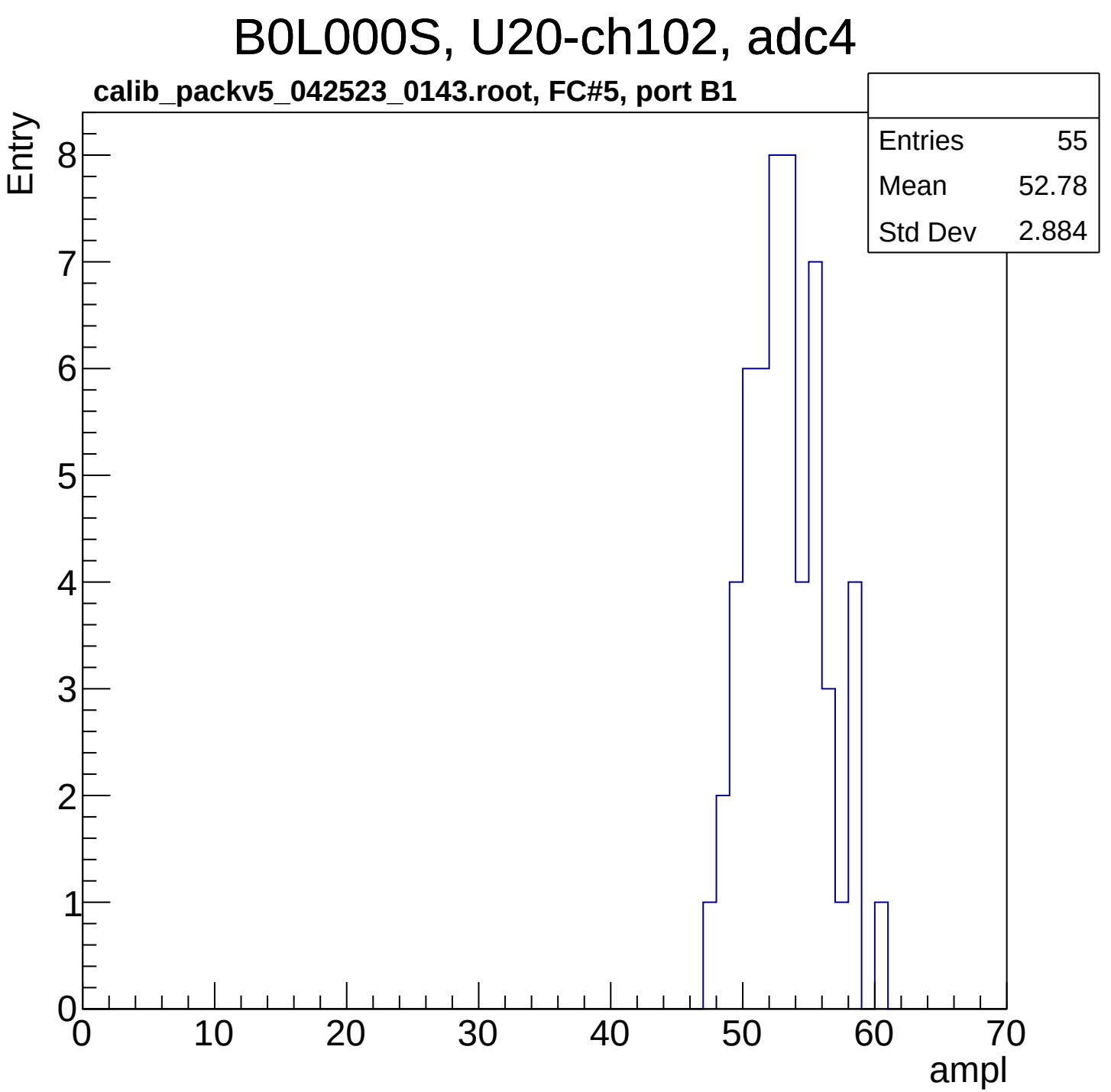
40
50
60
70


B0L000S, U20-ch102, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 52.78
Std Dev 2.884
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
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40
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60
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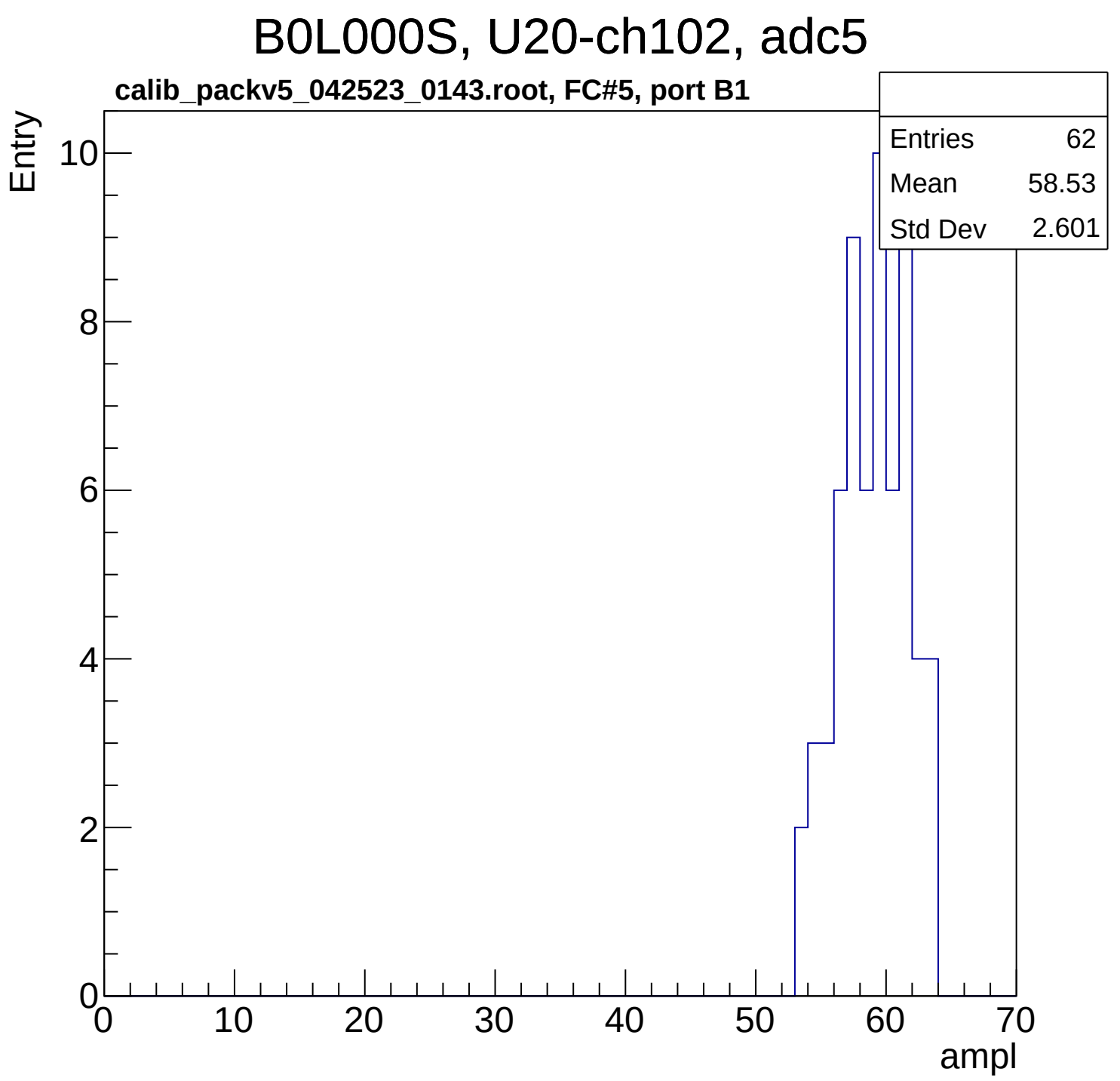
B0L000S, U20-ch102, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 58.53
Std Dev 2.601
Entry
ampl
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0
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20
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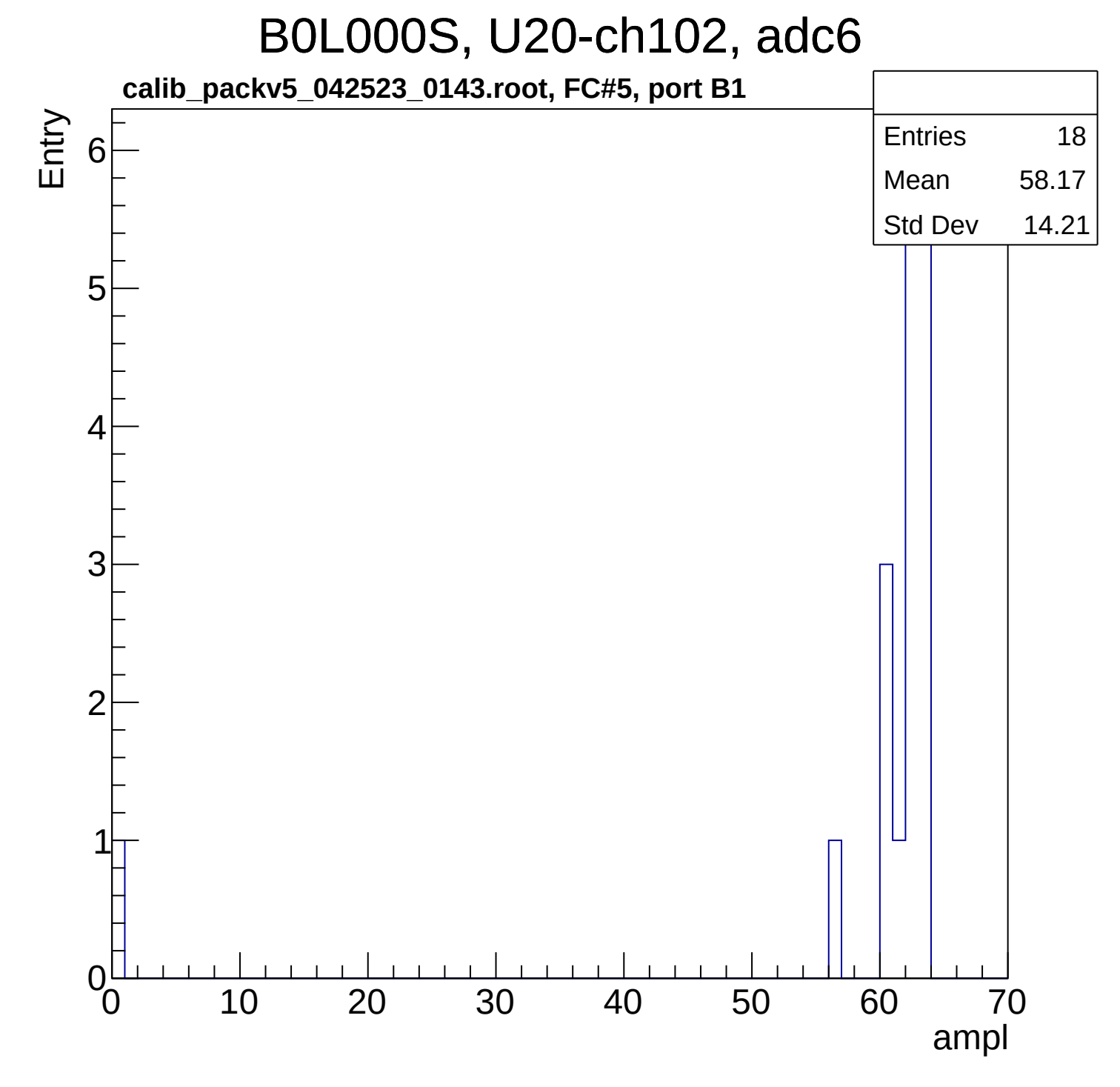
B0L000S, U20-ch102, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 18
Mean 58.17
Std Dev 14.21
Entry
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2
3
4
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6
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30
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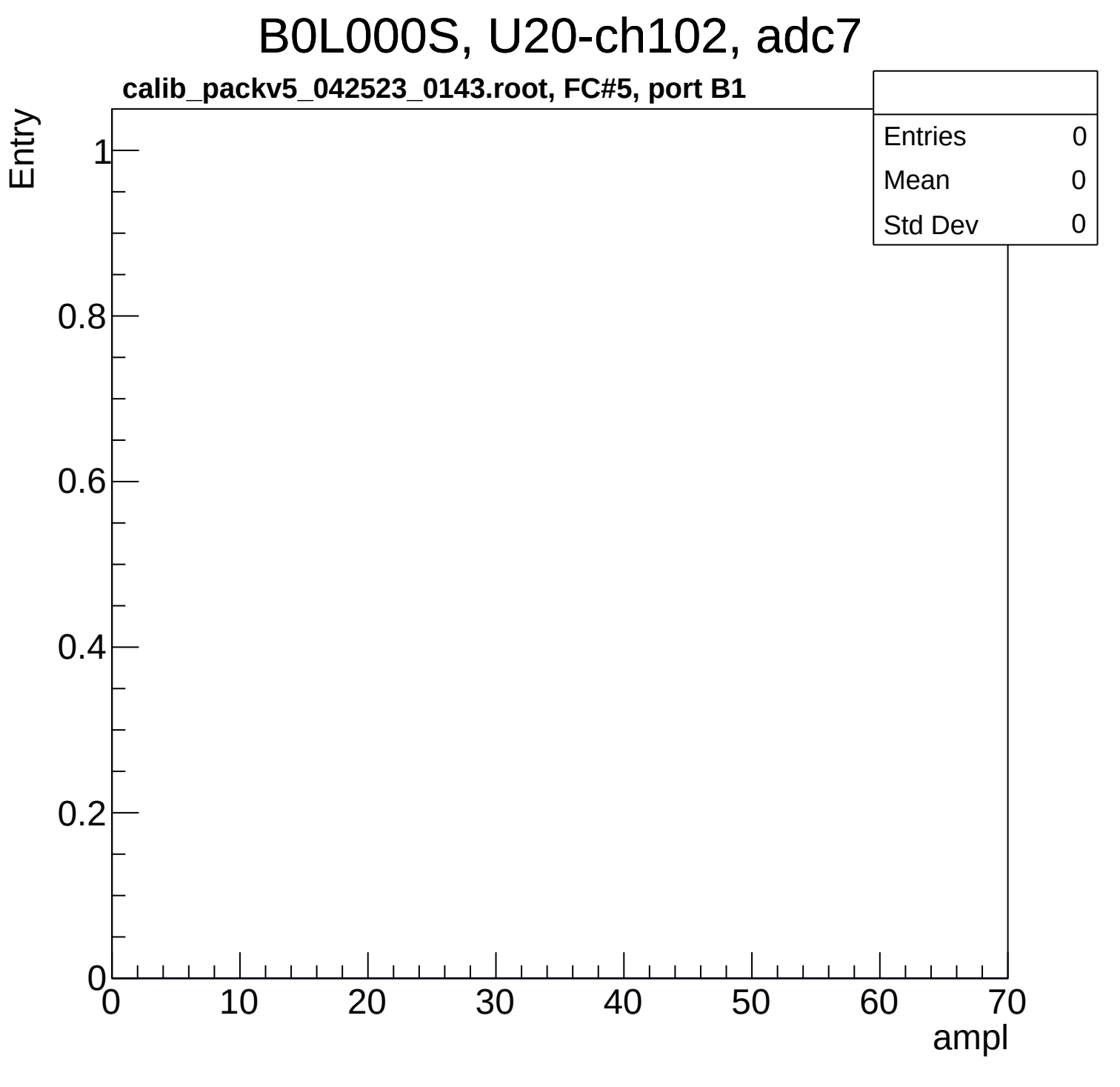
50
60
70
ampl


B0L000S, U20-ch102, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
0
10
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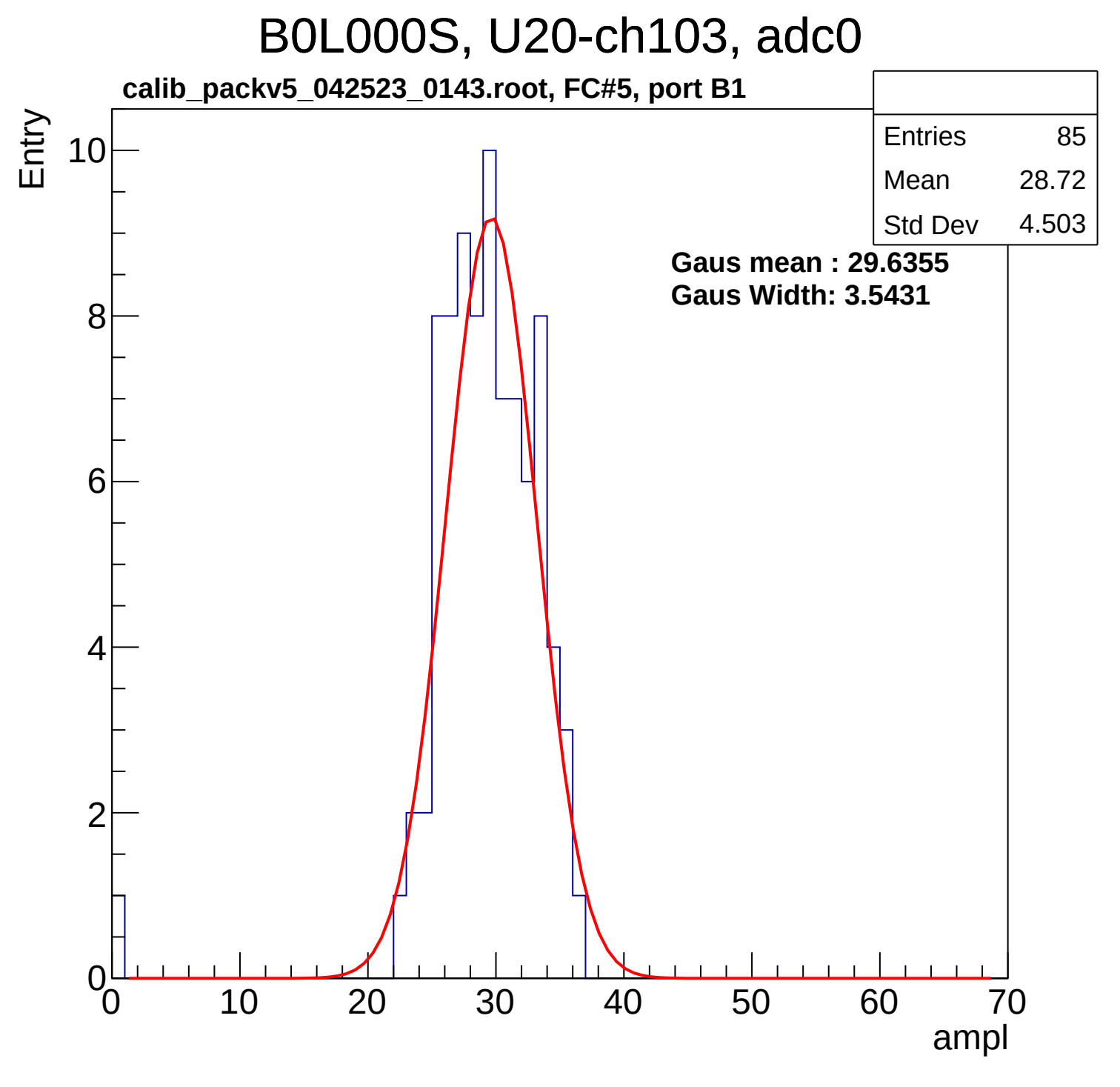
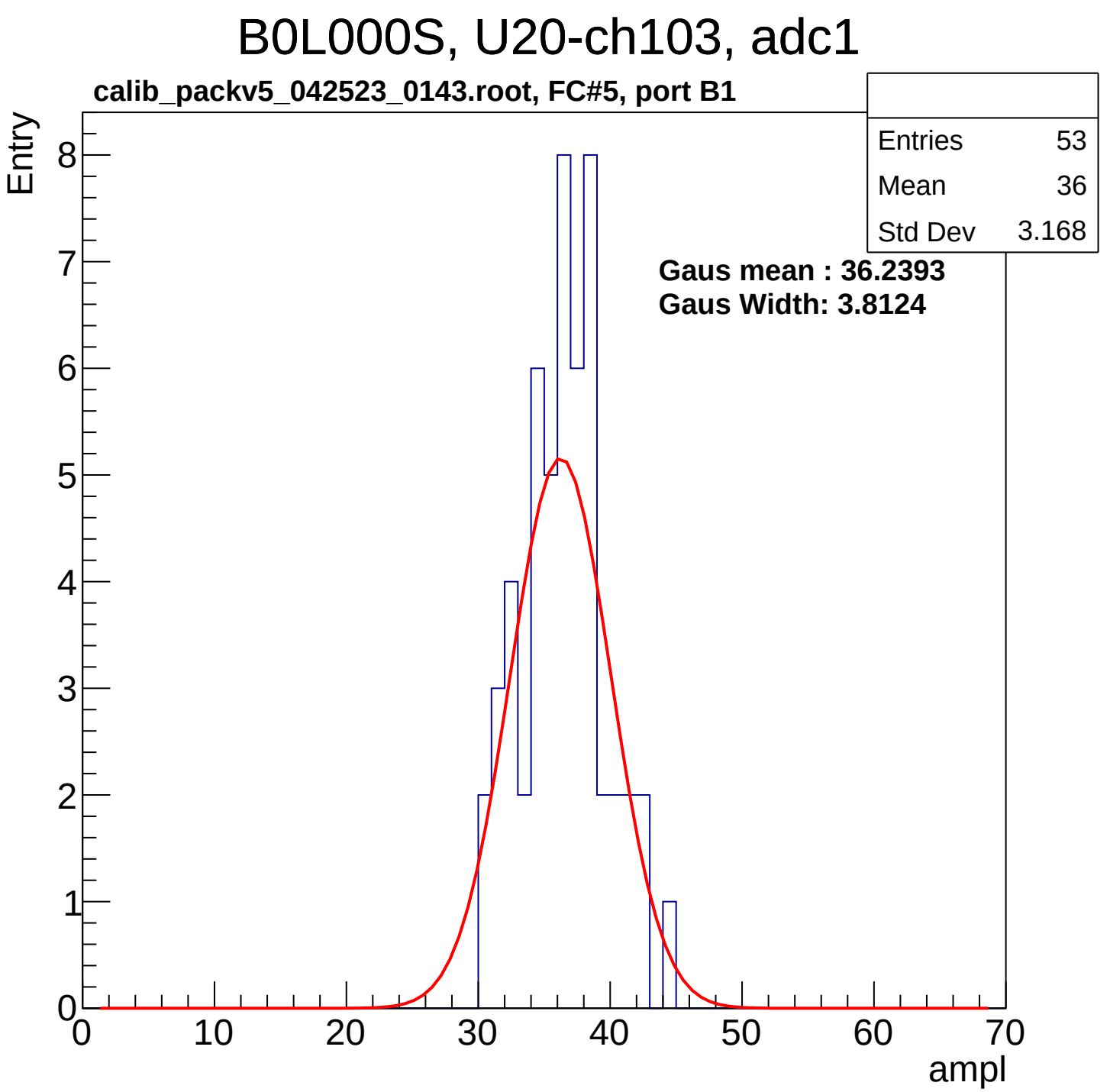
50
60
70
ampl


B0L000S, U20-ch103, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 85
Mean 28.72
Std Dev 4.503
Gaus mean : 29.6355
Gaus Width: 3.5431
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch103, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 36
Std Dev 3.168
Gaus mean : 36.2393
Gaus Width: 3.8124
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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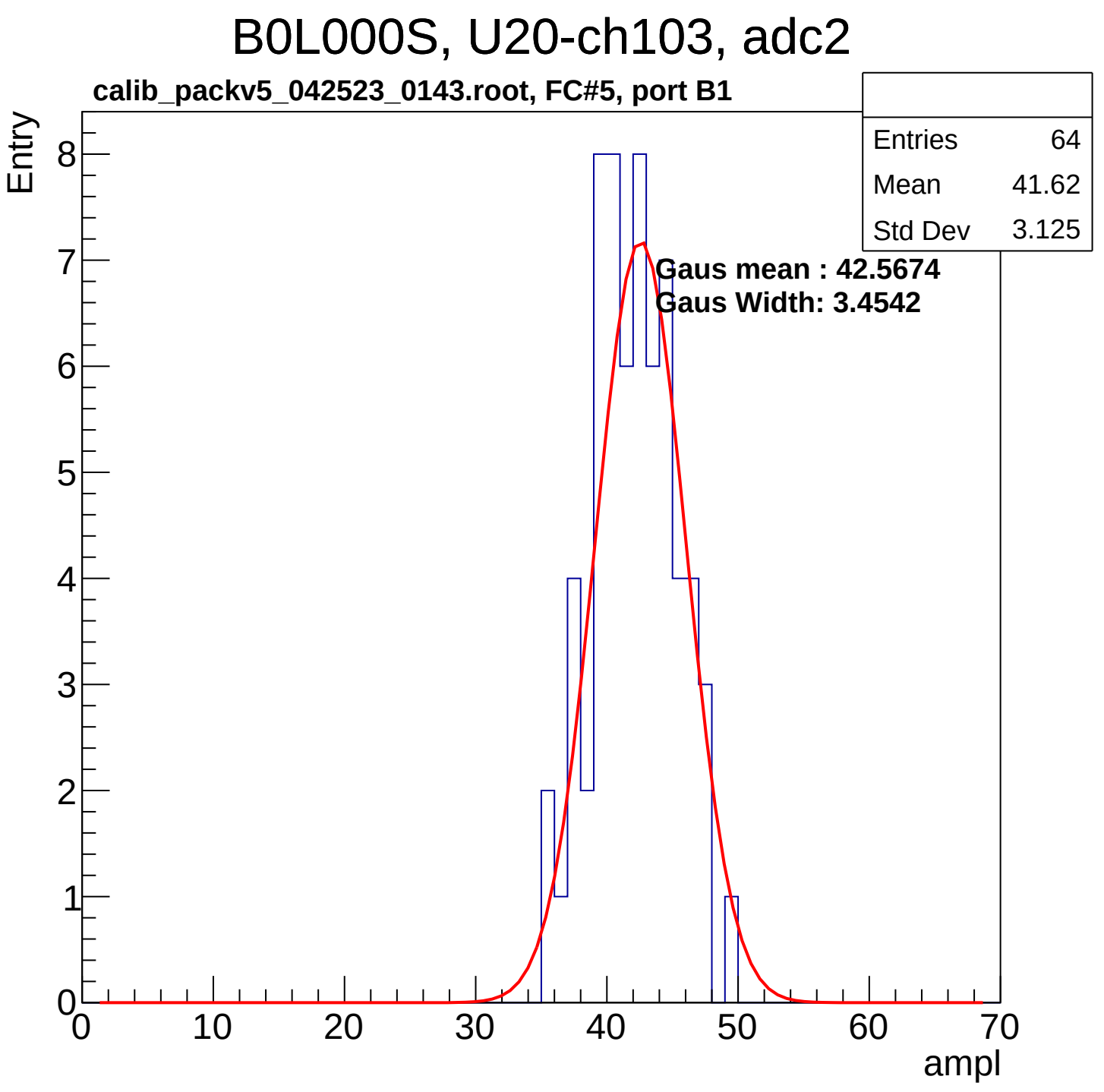
B0L000S, U20-ch103, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 41.62
Std Dev 3.125
Gaus mean : 42.5674
Gaus Width: 3.4542
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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60
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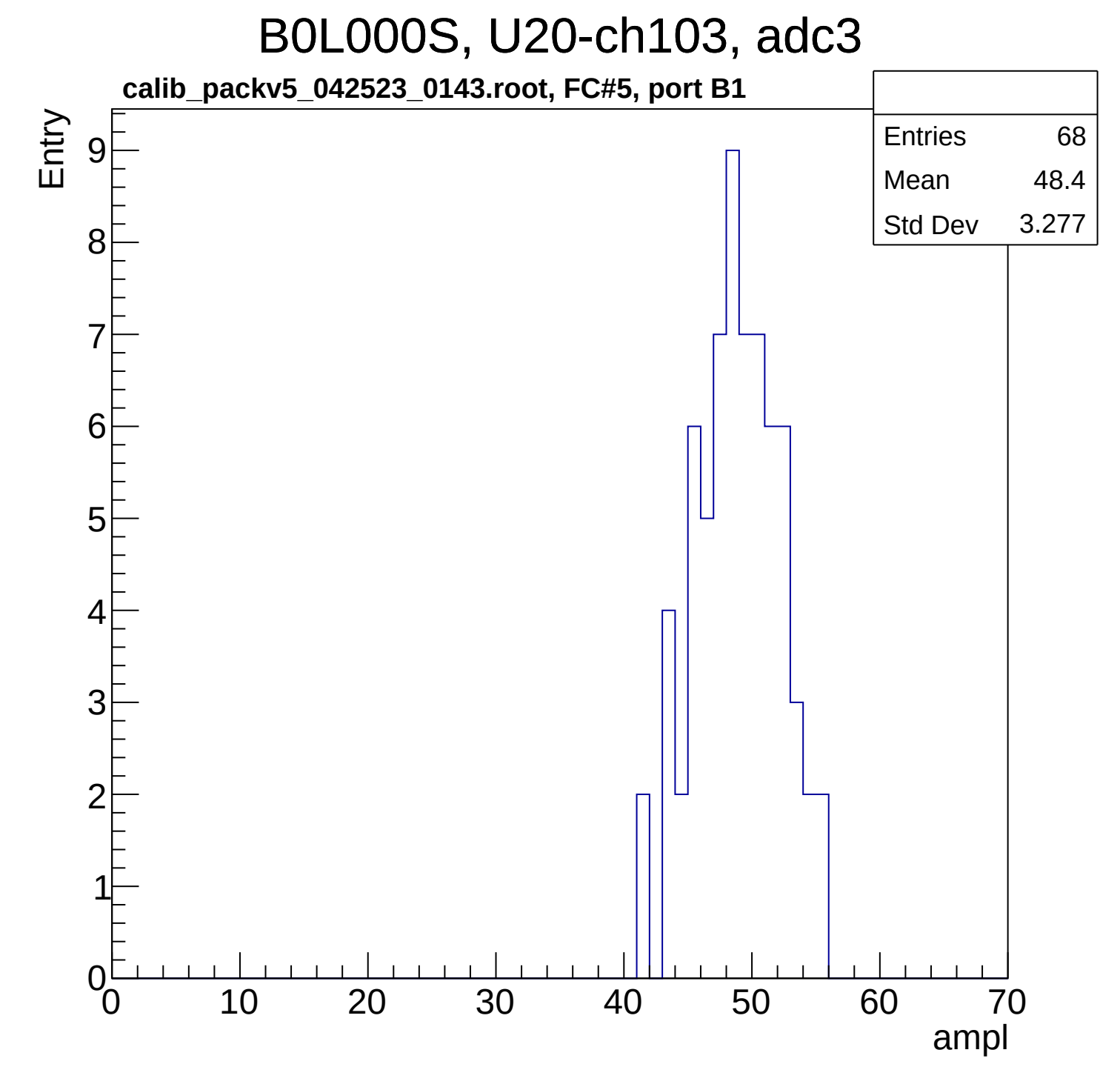
B0L000S, U20-ch103, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 48.4
Std Dev 3.277
Entry
ampl
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3
4
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6
7
8
9
0
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60
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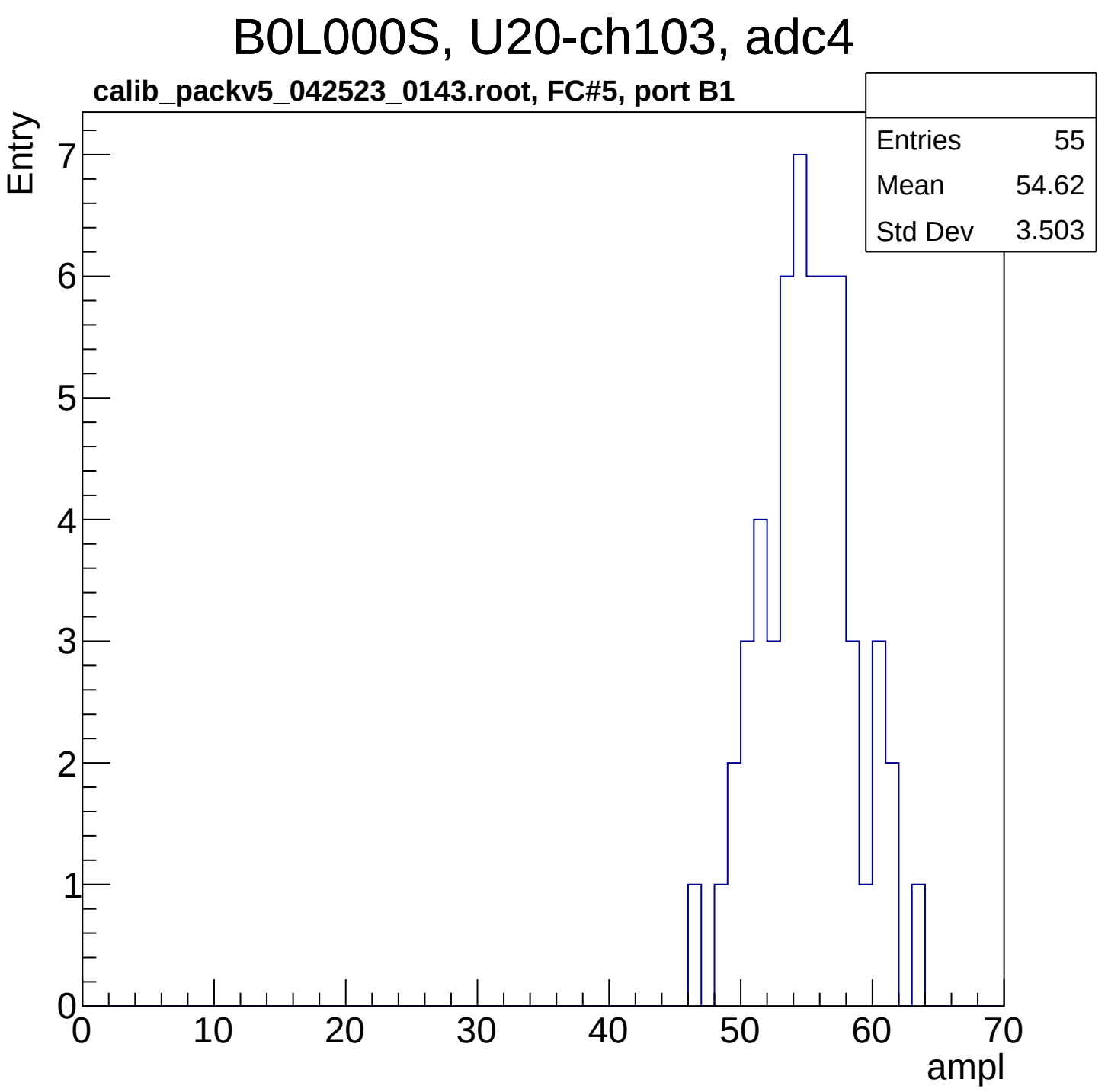
B0L000S, U20-ch103, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 54.62
Std Dev 3.503
Entry
ampl
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3
4
5
6
7
0
10
20
30
40
50
60
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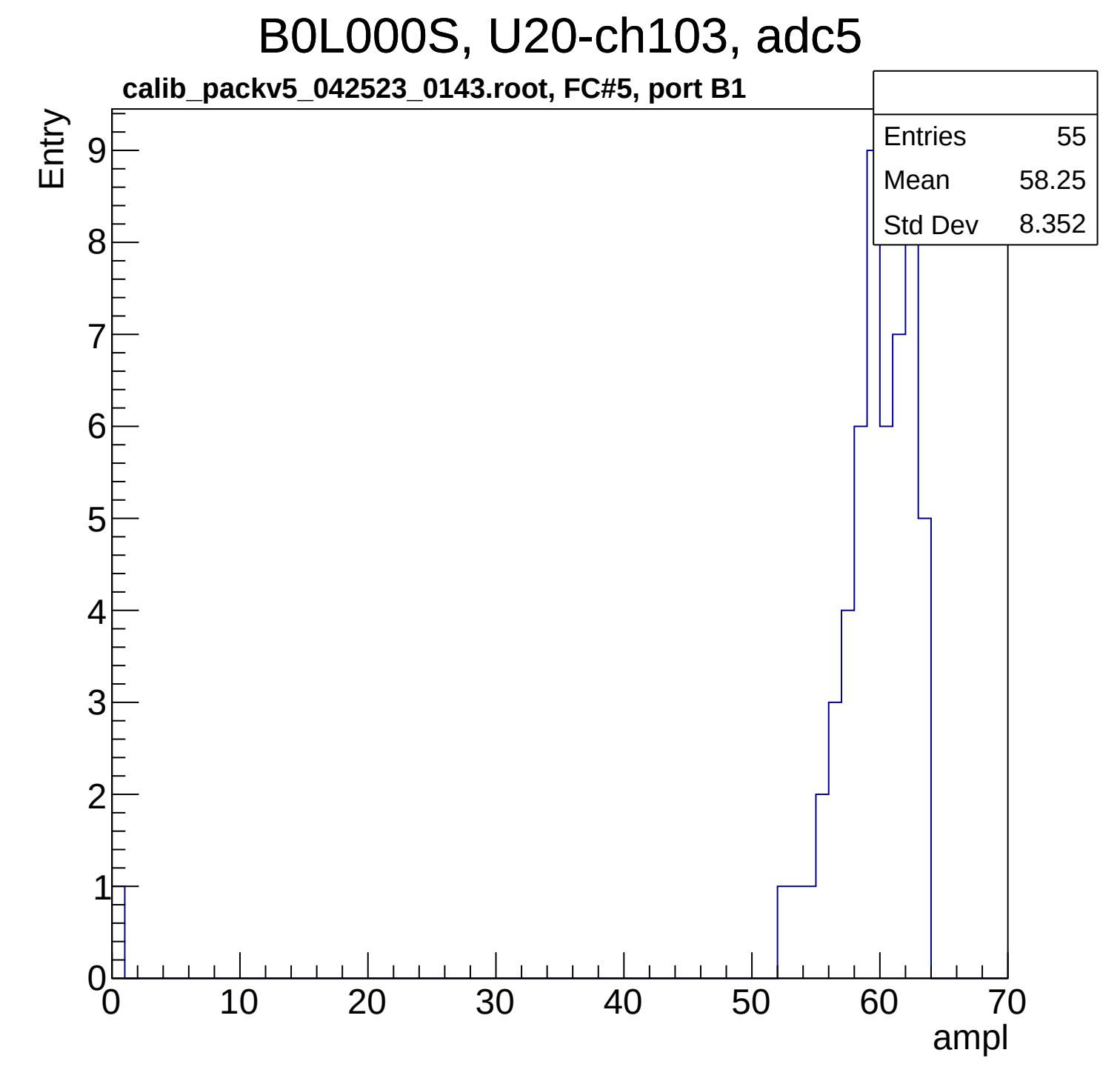
B0L000S, U20-ch103, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 58.25
Std Dev 8.352
Entry
ampl
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3
4
5
6
7
8
9
0
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30
40
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60
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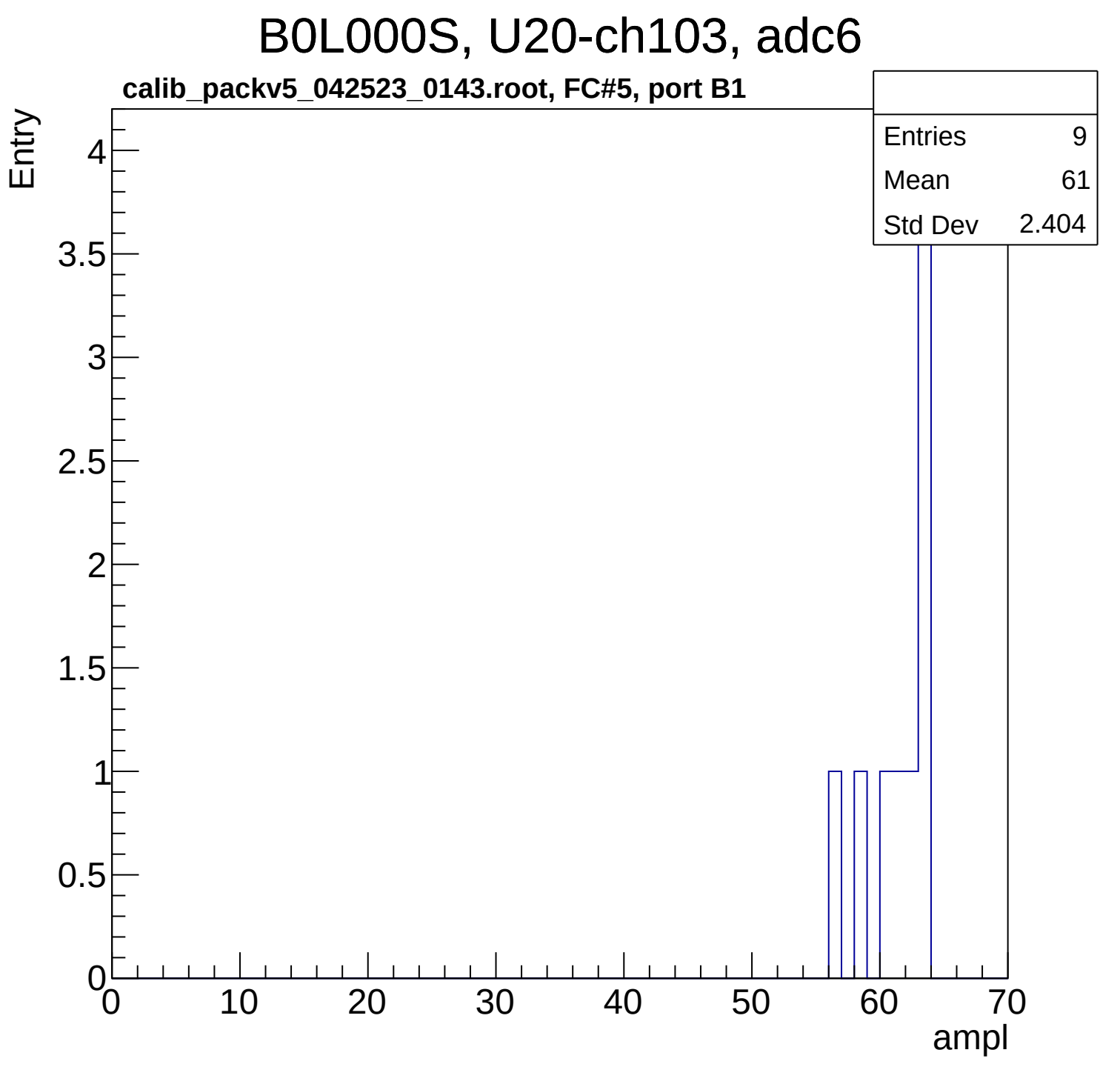
B0L000S, U20-ch103, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 9
Mean 61
Std Dev 2.404
Entry
ampl
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1.5
2
2.5
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3.5
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0
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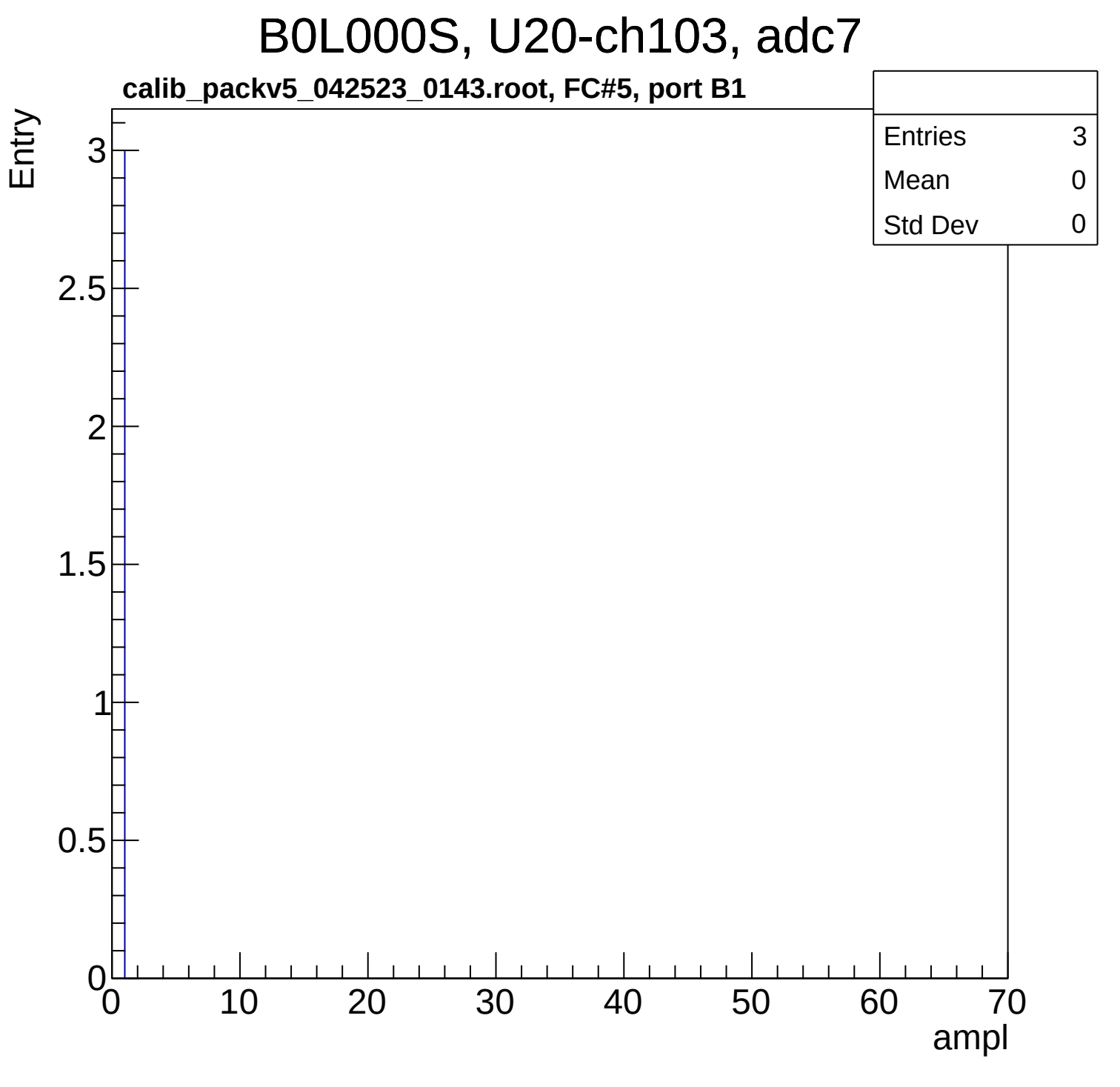
B0L000S, U20-ch103, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 3
Mean 0
Std Dev 0
Entry
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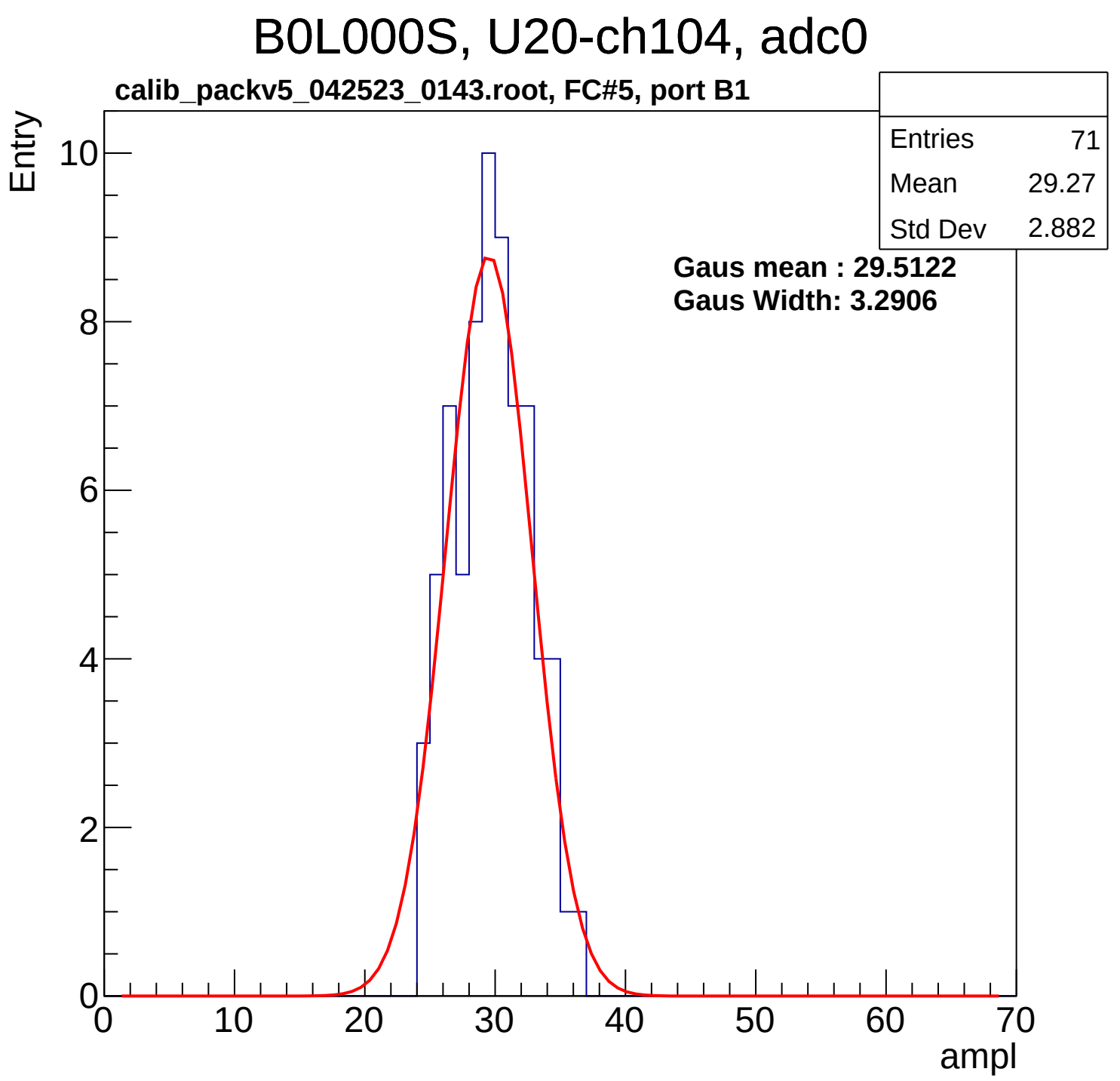
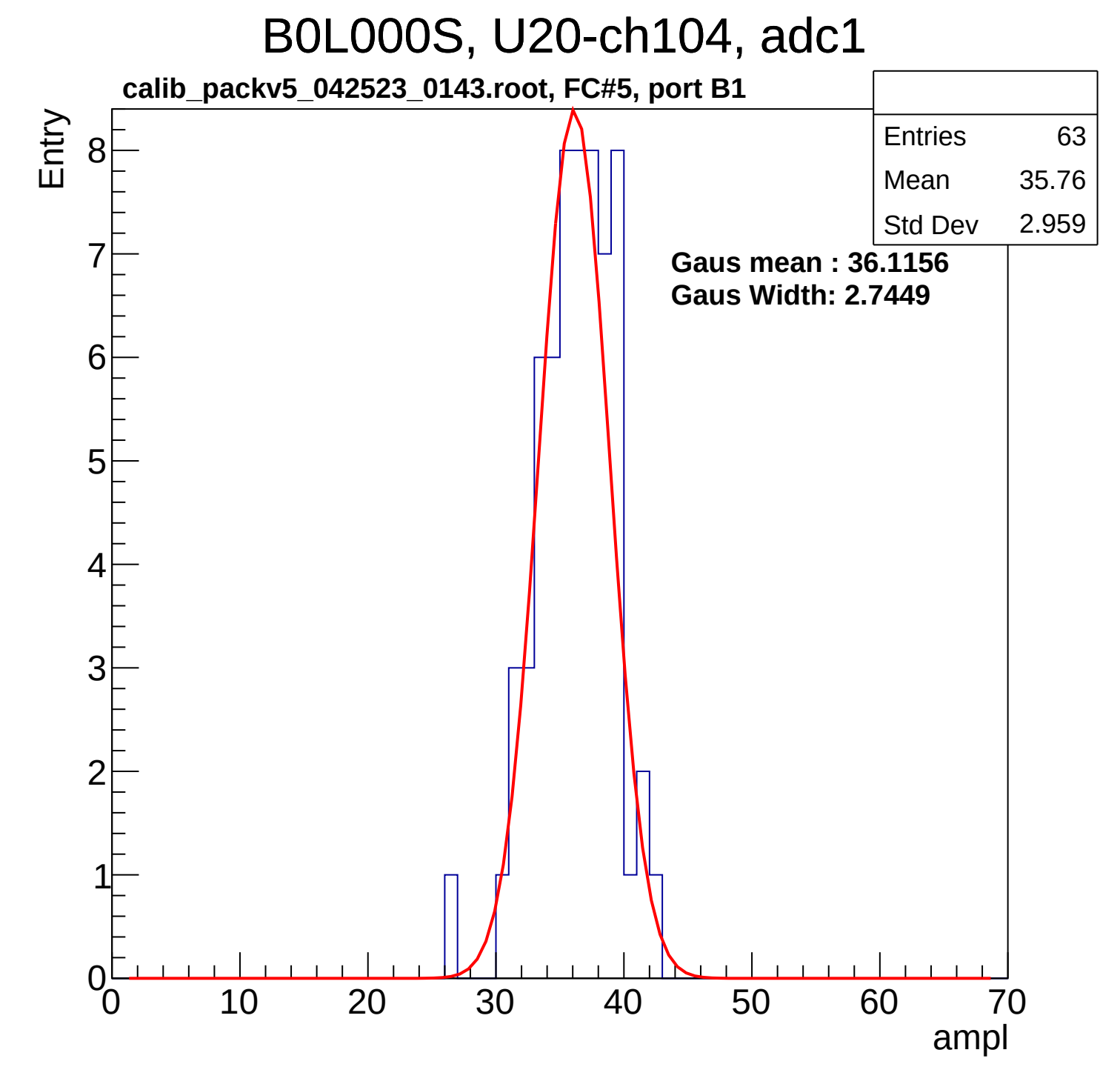
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch104, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 29.27
Std Dev 2.882
Gaus mean : 29.5122
Gaus Width: 3.2906
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch104, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 35.76
Std Dev 2.959
Gaus mean : 36.1156
Gaus Width: 2.7449
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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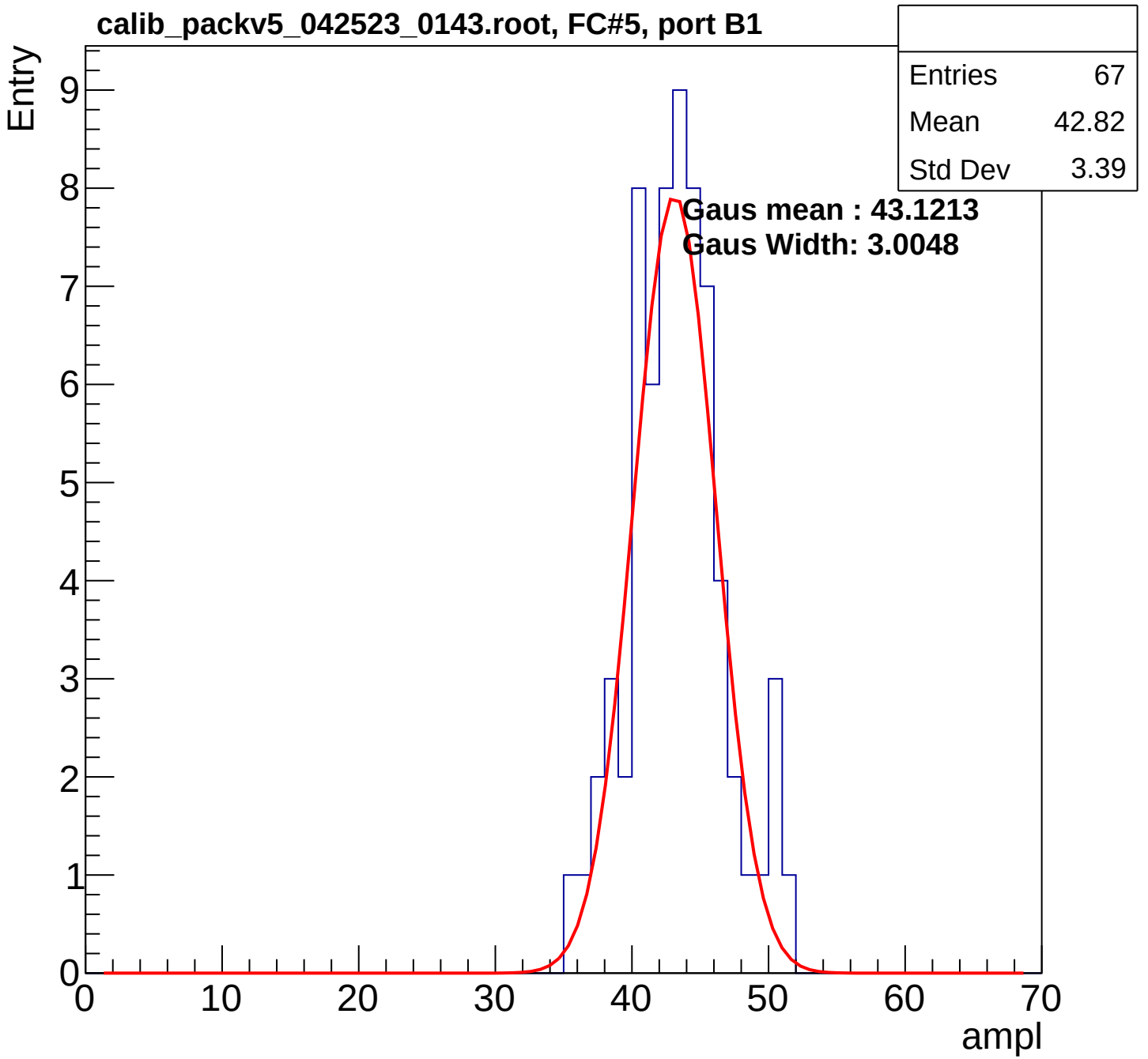
B0L000S, U20-ch104, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 42.82
Std Dev 3.39
Gaus mean : 43.1213
Gaus Width: 3.0048
Entry
ampl
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2
3
4
5
6
7
8
9
0
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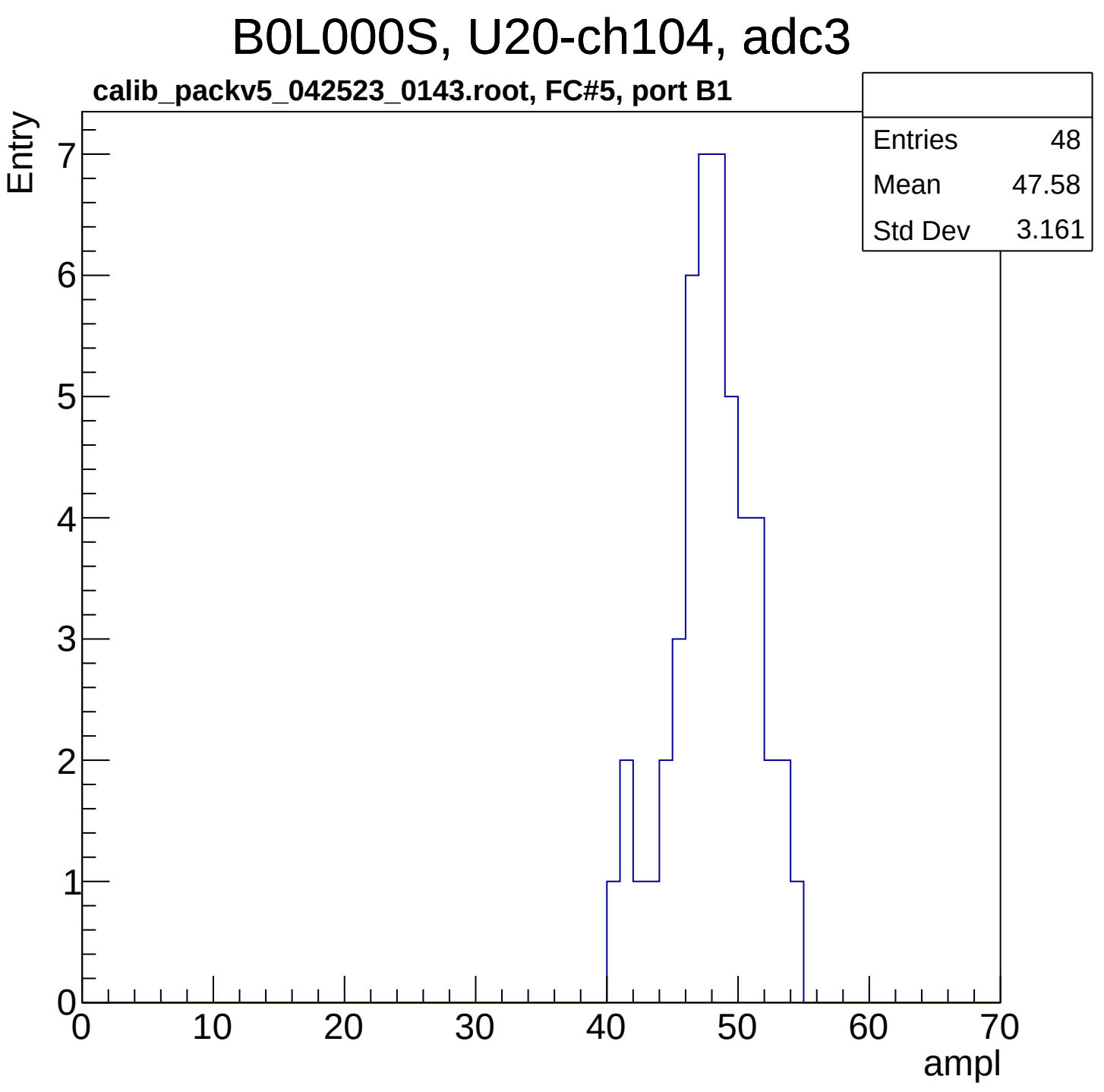
B0L000S, U20-ch104, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 48
Mean 47.58
Std Dev 3.161
Entry
ampl
0
1
2
3
4
5
6
7
0
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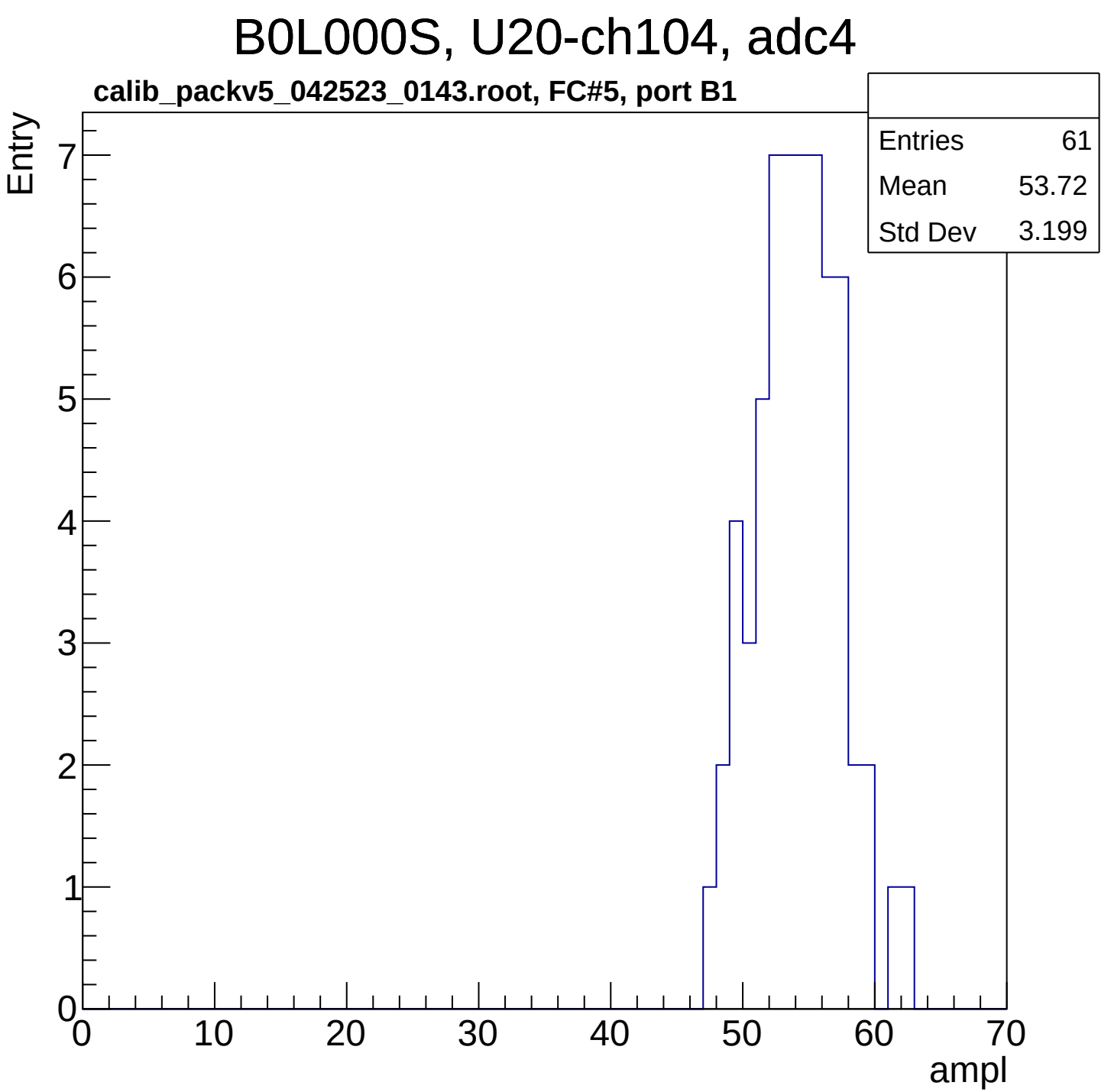
B0L000S, U20-ch104, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 53.72
Std Dev 3.199
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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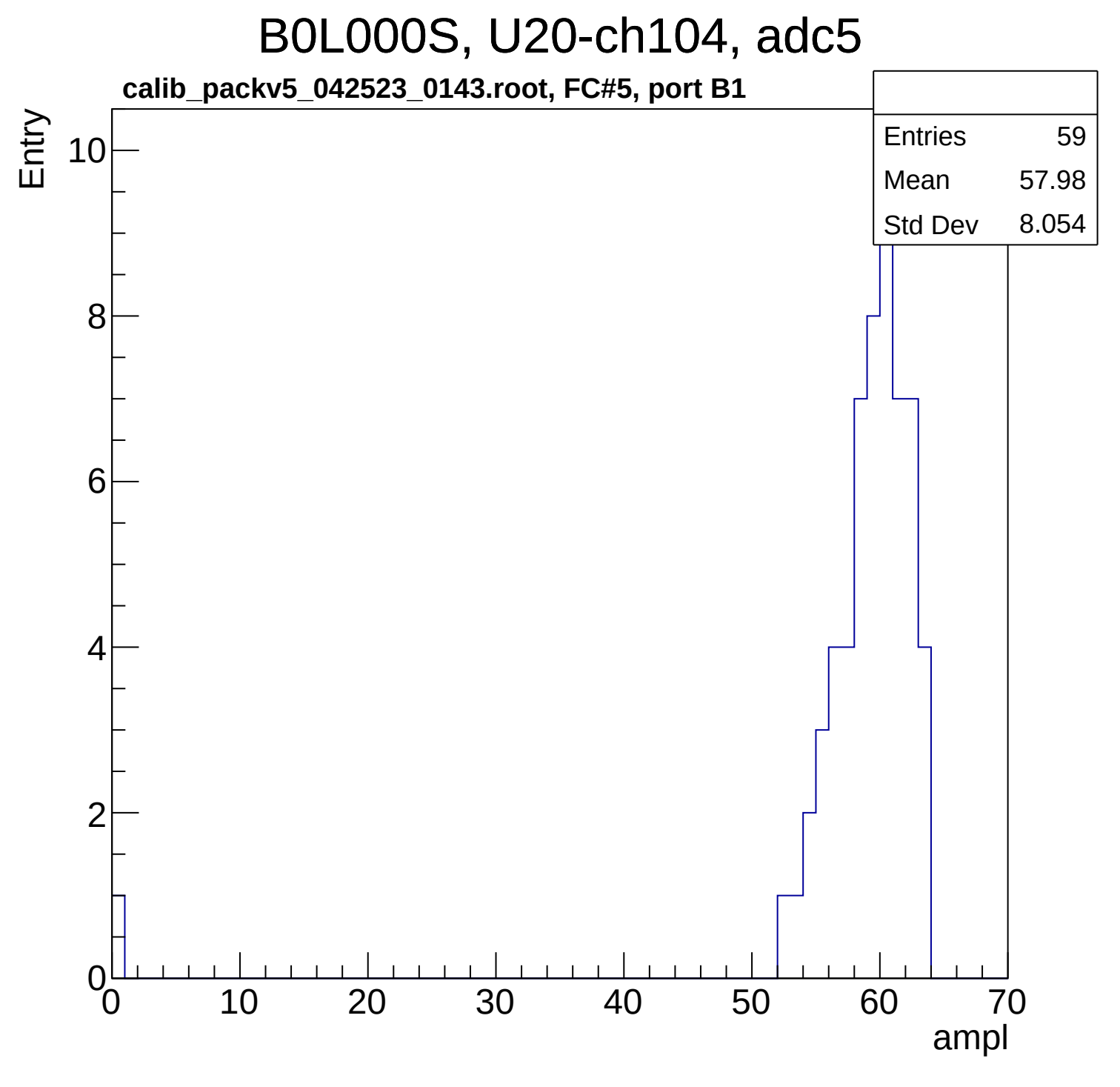
B0L000S, U20-ch104, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 57.98
Std Dev 8.054
Entry
0
2
4
6
8
10
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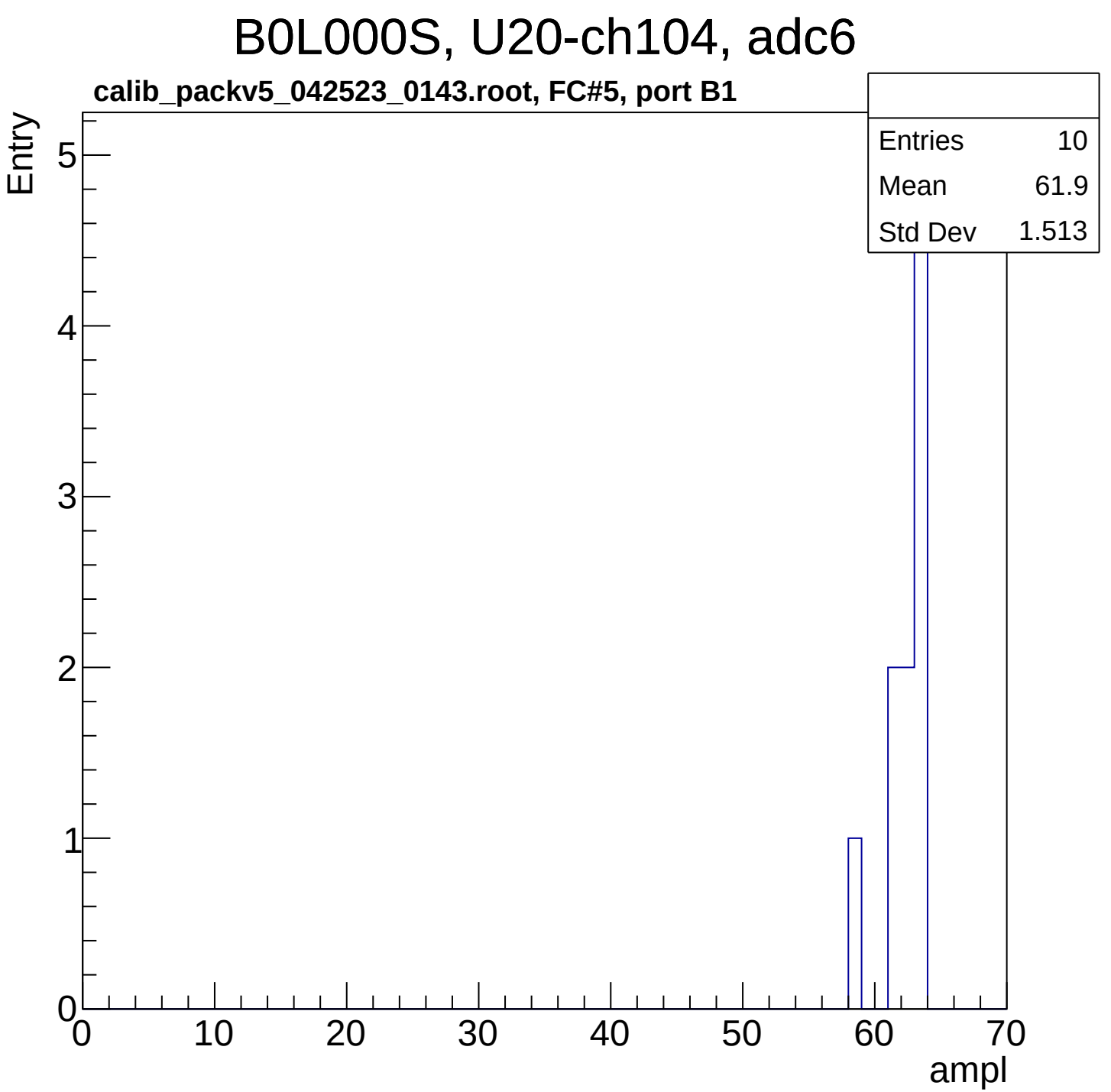
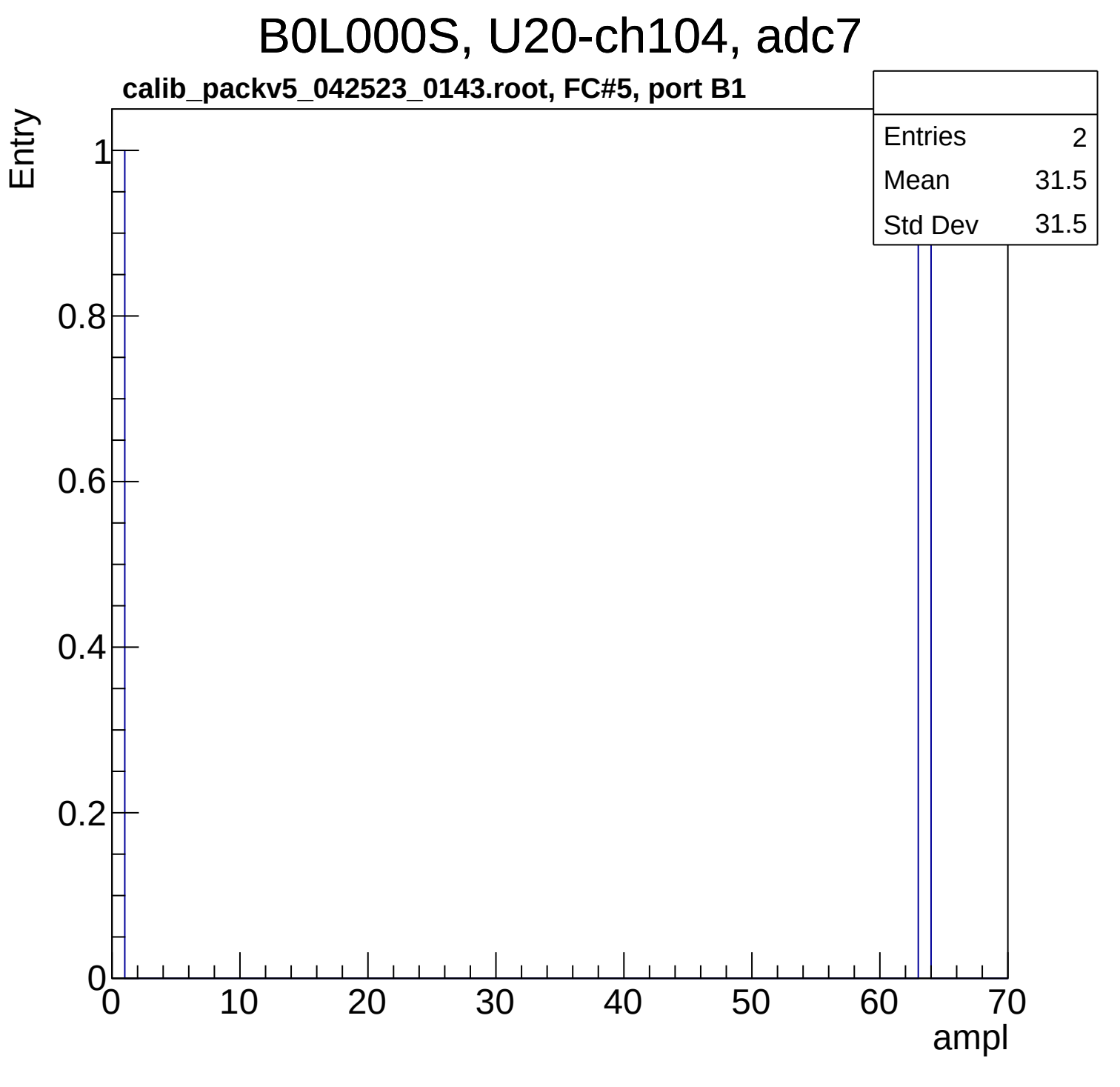
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch104, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 61.9
Std Dev 1.513
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch104, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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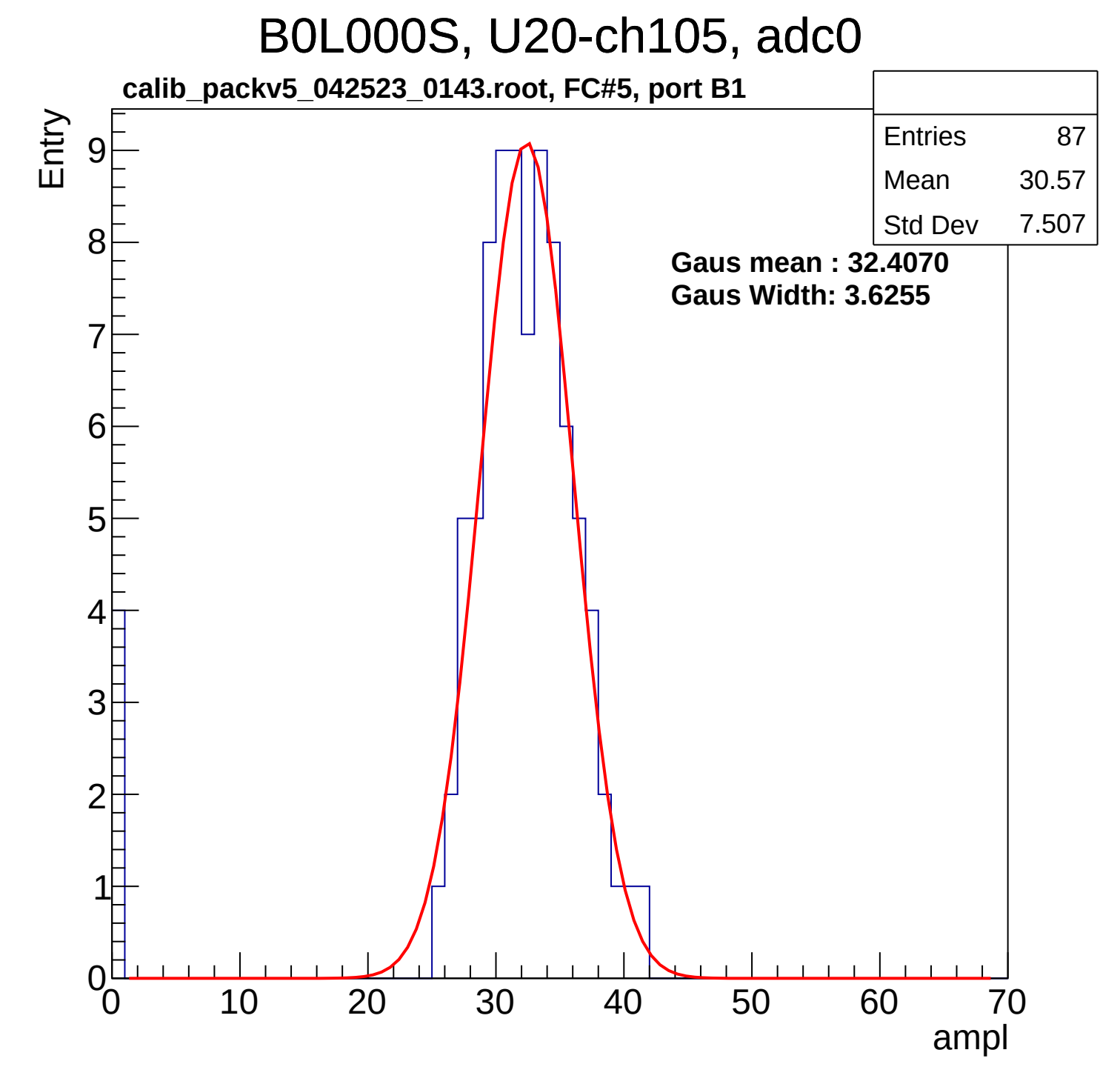
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch105, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 87
Mean 30.57
Std Dev 7.507
Gaus mean : 32.4070
Gaus Width: 3.6255
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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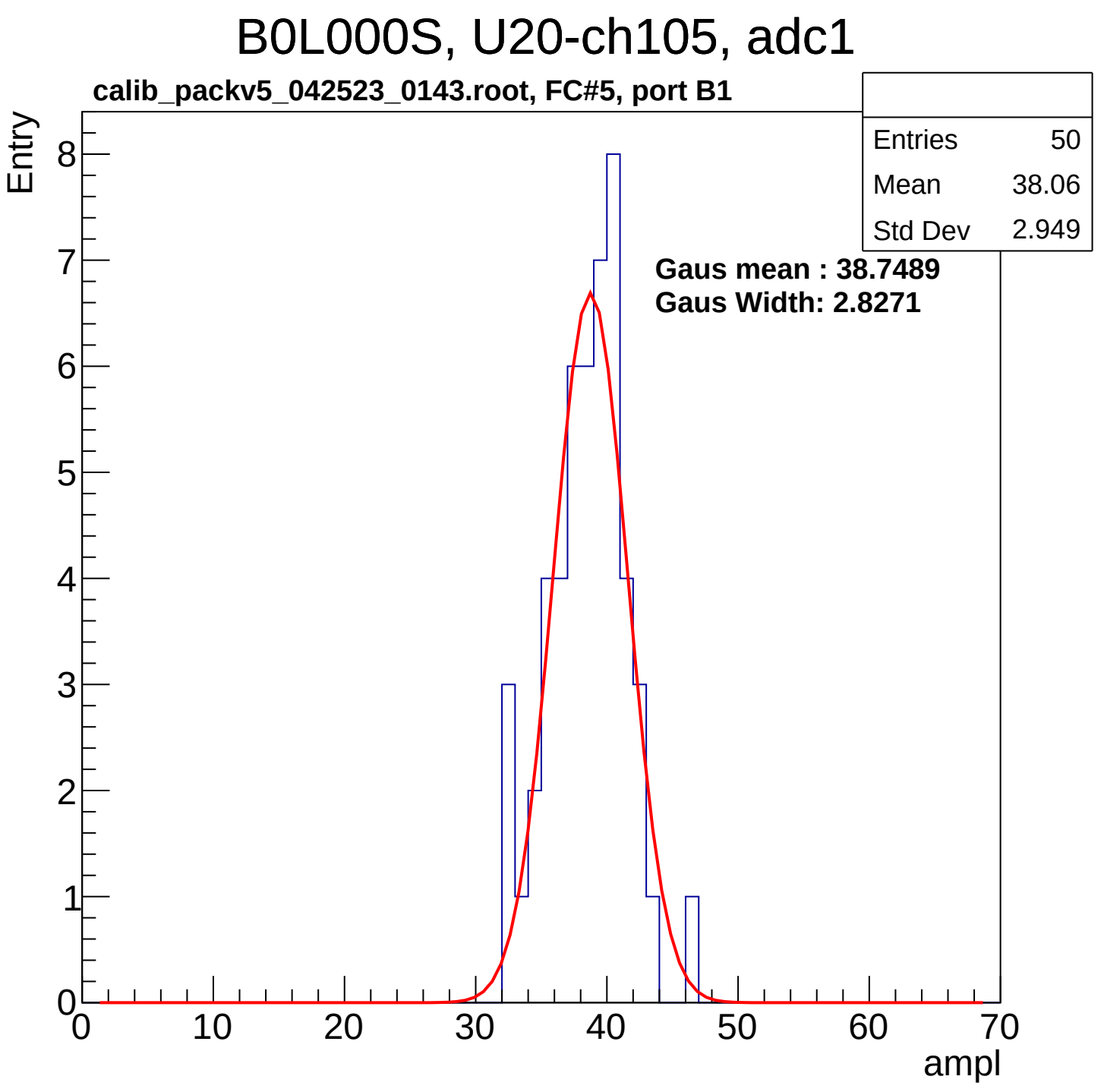
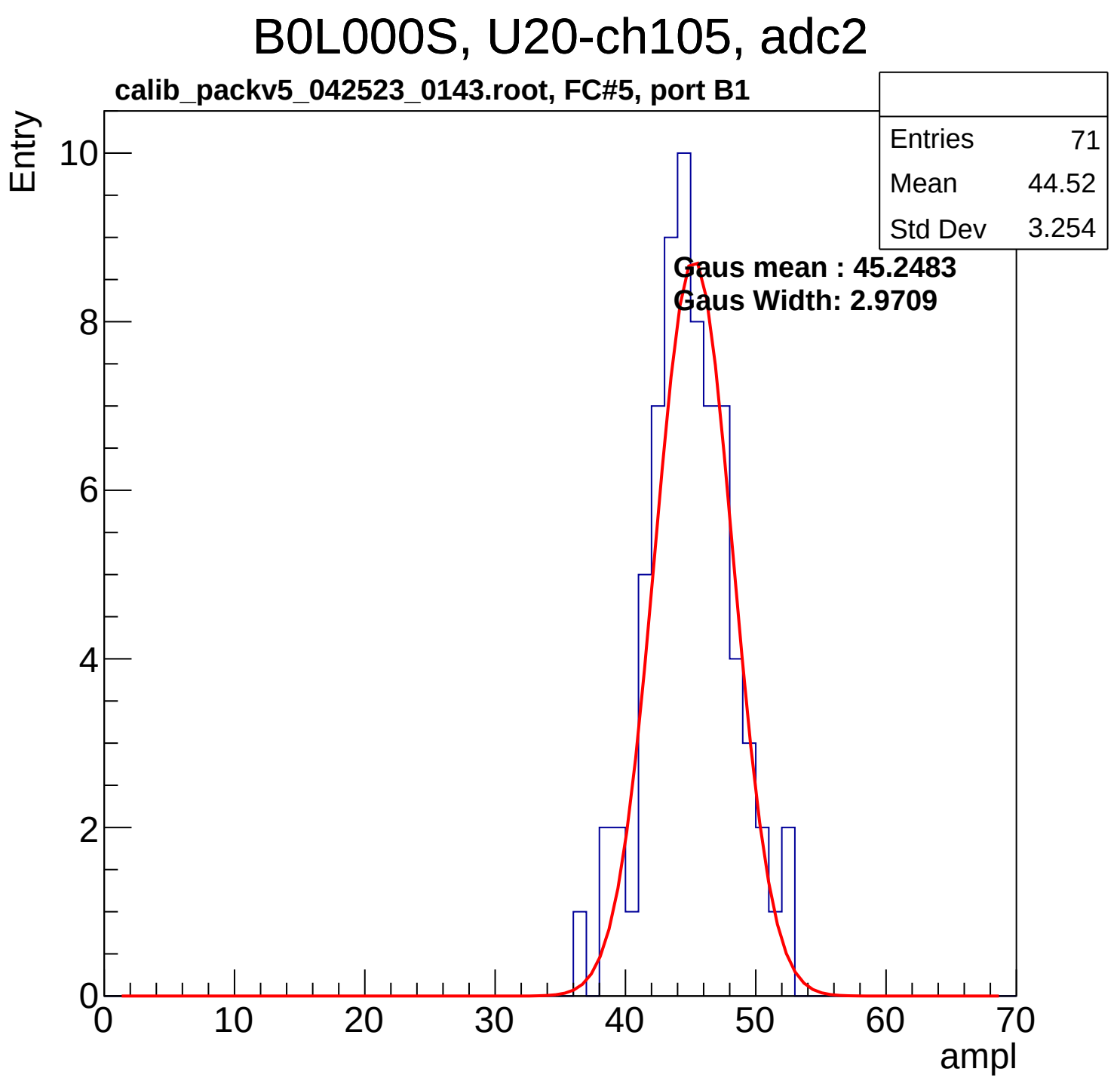
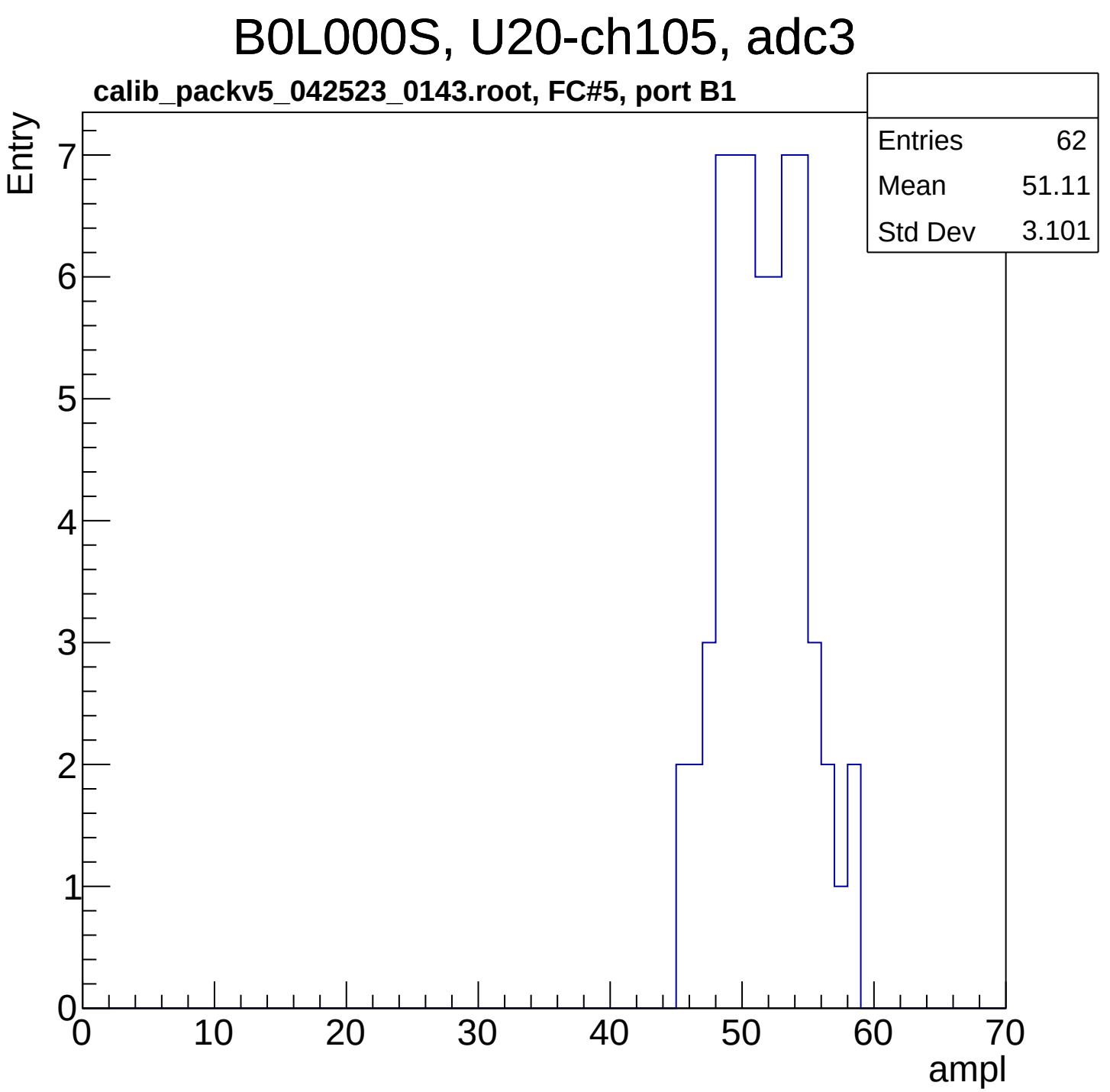

B0L000S, U20-ch105, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 38.06
Std Dev 2.949
Gaus mean : 38.7489
Gaus Width: 2.8271
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch105, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 44.52
Std Dev 3.254
Gaus mean : 45.2483
Gaus Width: 2.9709
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch105, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 51.11
Std Dev 3.101
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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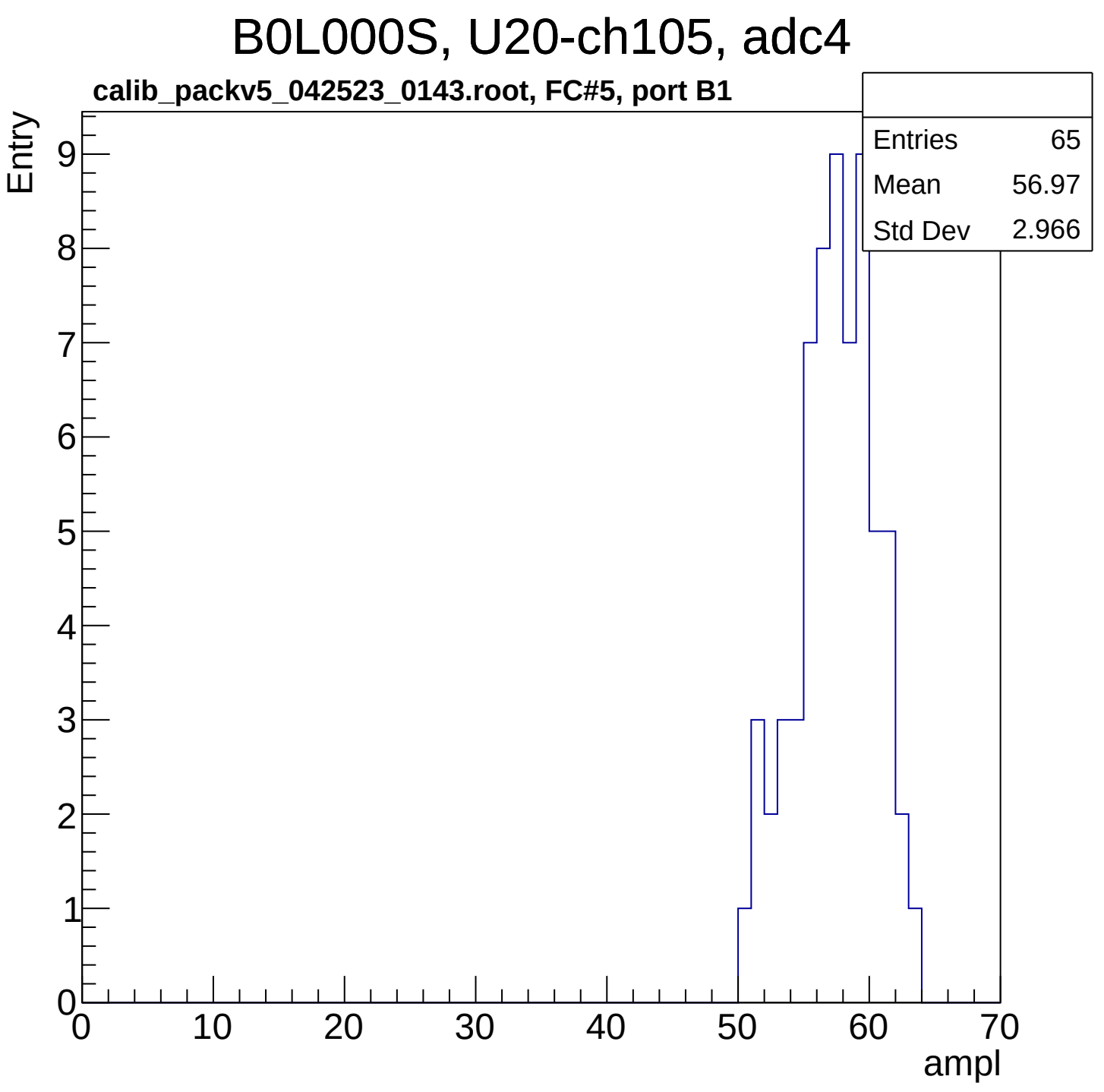
B0L000S, U20-ch105, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 56.97
Std Dev 2.966
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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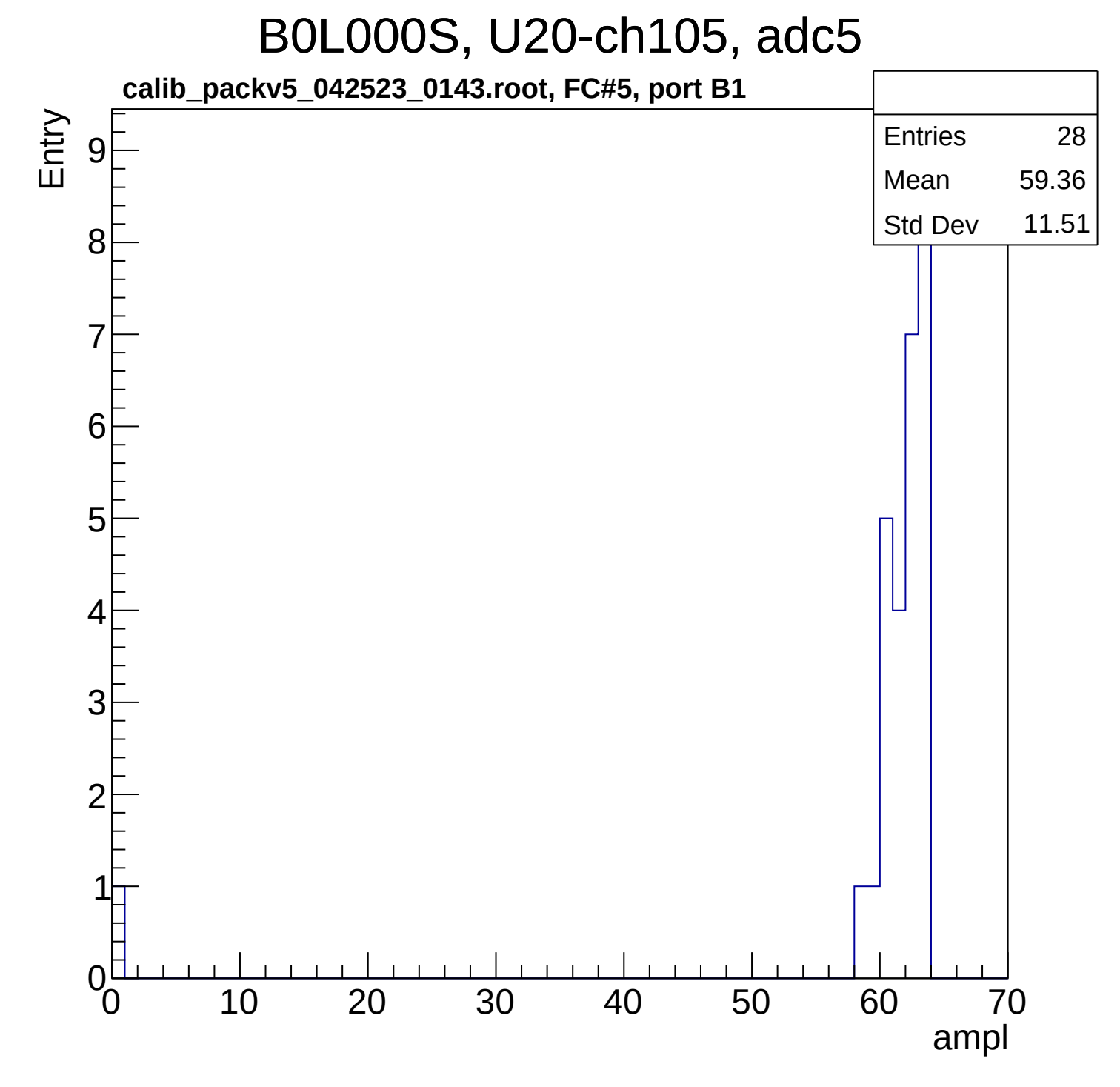
B0L000S, U20-ch105, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 28
Mean 59.36
Std Dev 11.51
Entry
ampl
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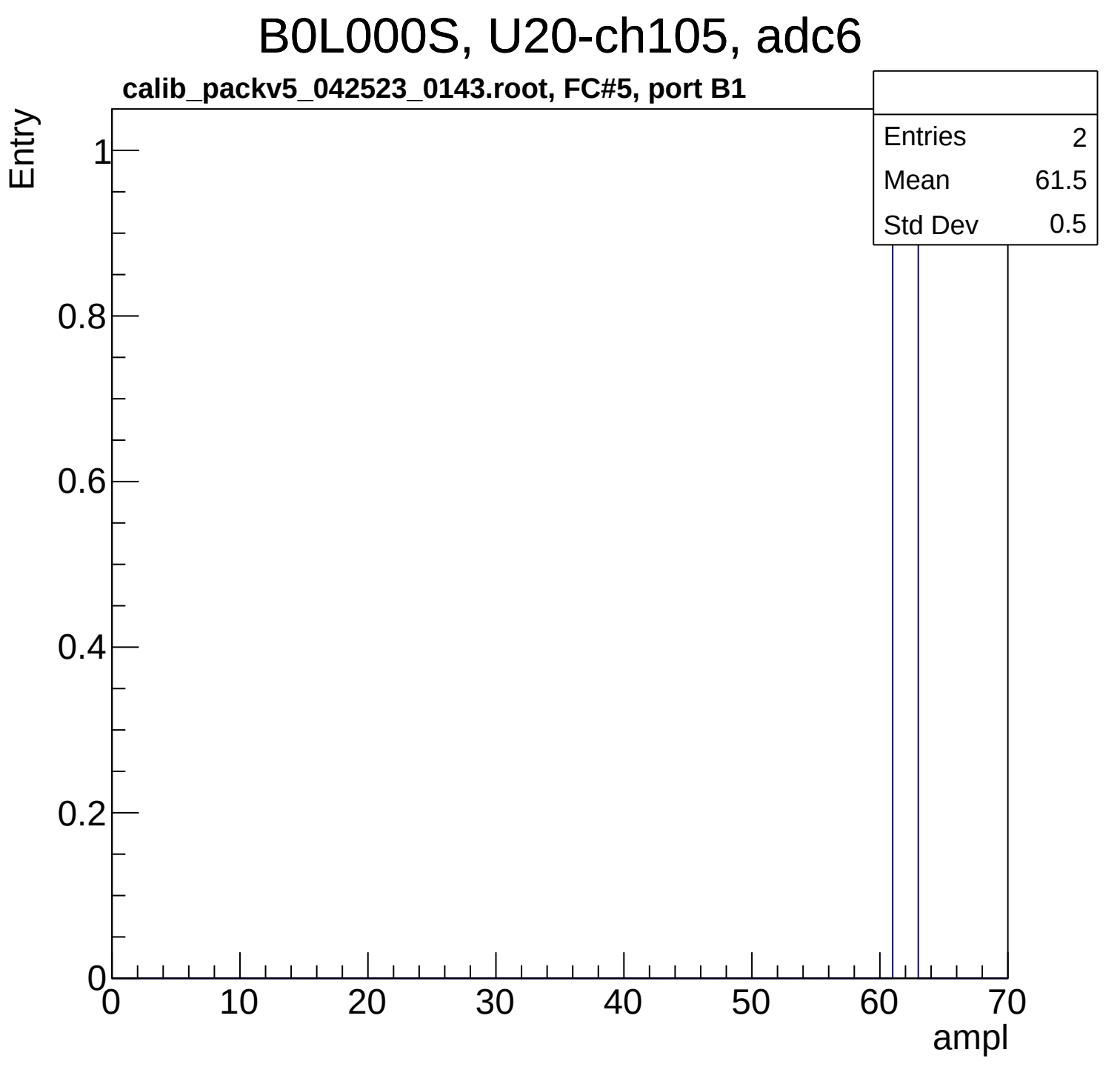
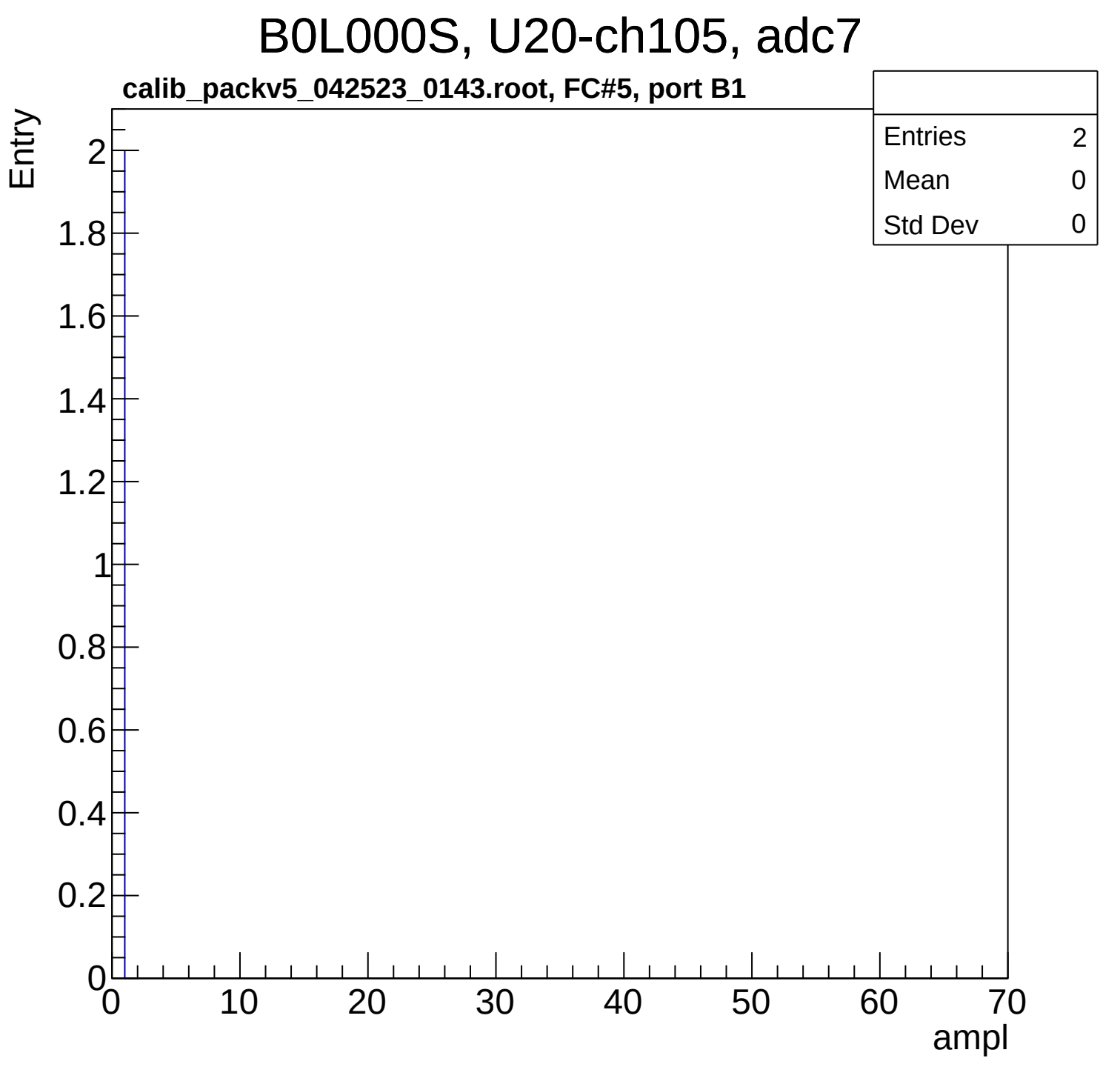
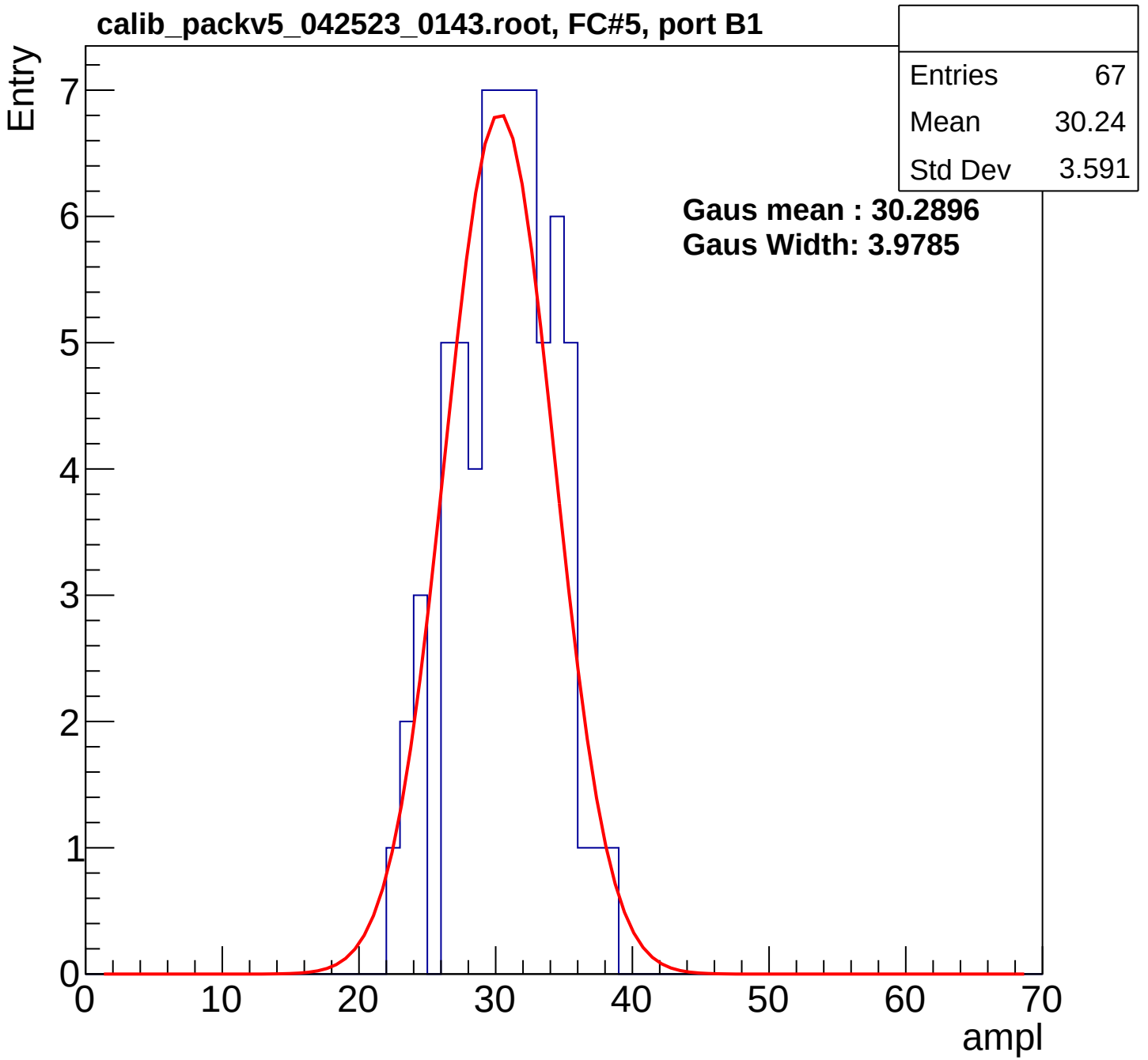
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch105, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 61.5
Std Dev 0.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch105, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch106, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 30.24
Std Dev 3.591
Gaus mean : 30.2896
Gaus Width: 3.9785
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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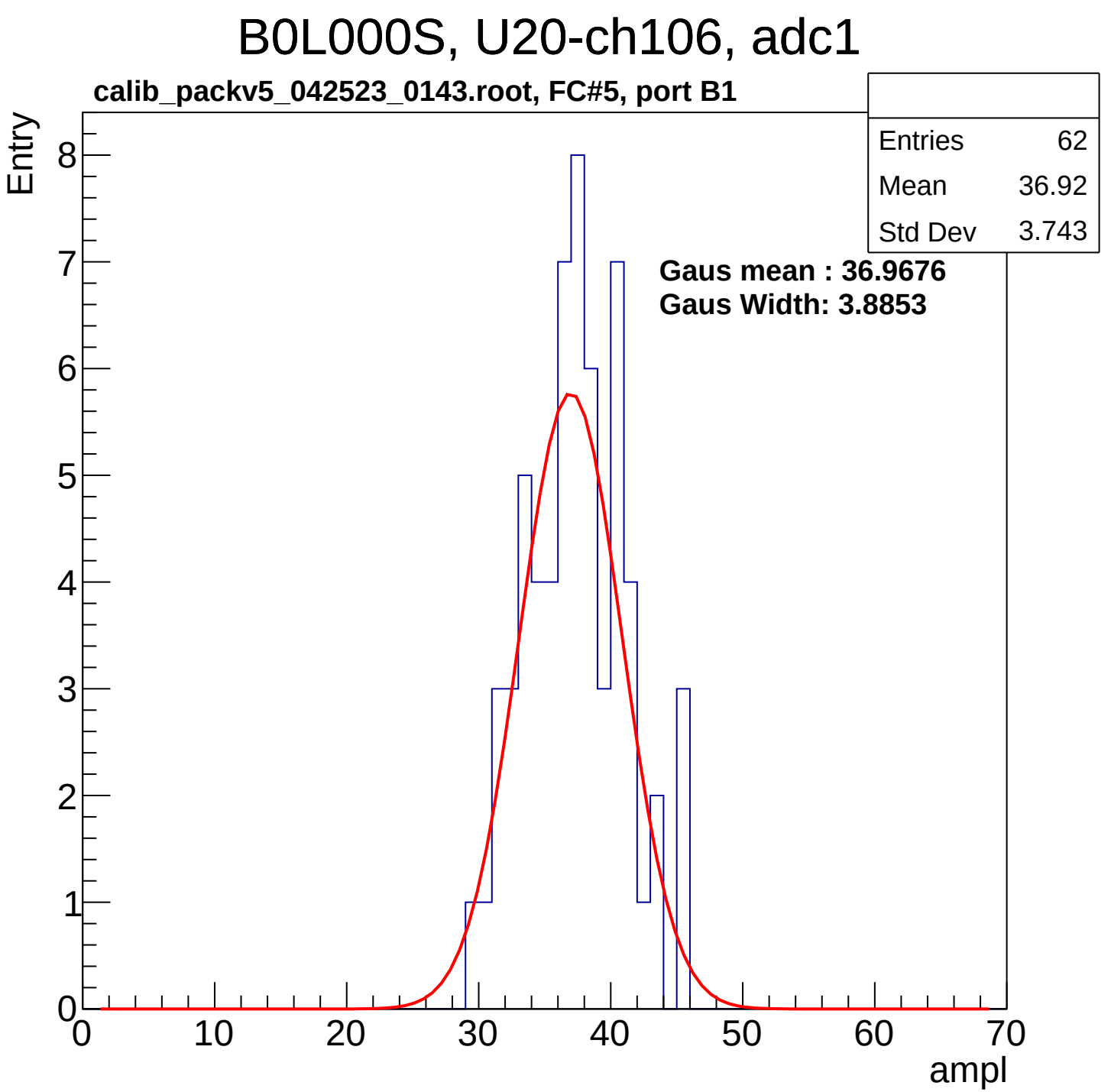
B0L000S, U20-ch106, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36.92
Std Dev 3.743
Gaus mean : 36.9676
Gaus Width: 3.8853
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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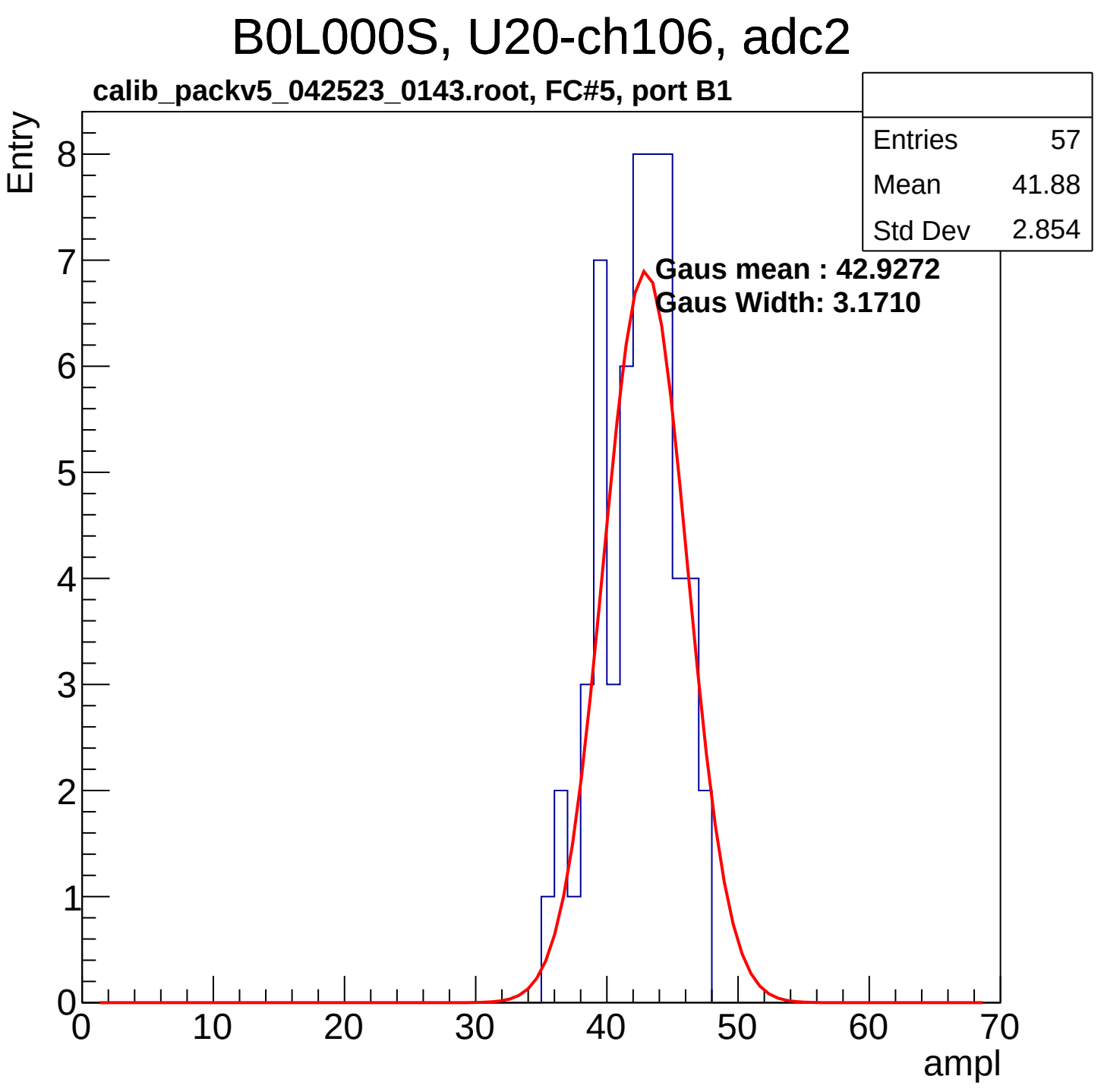
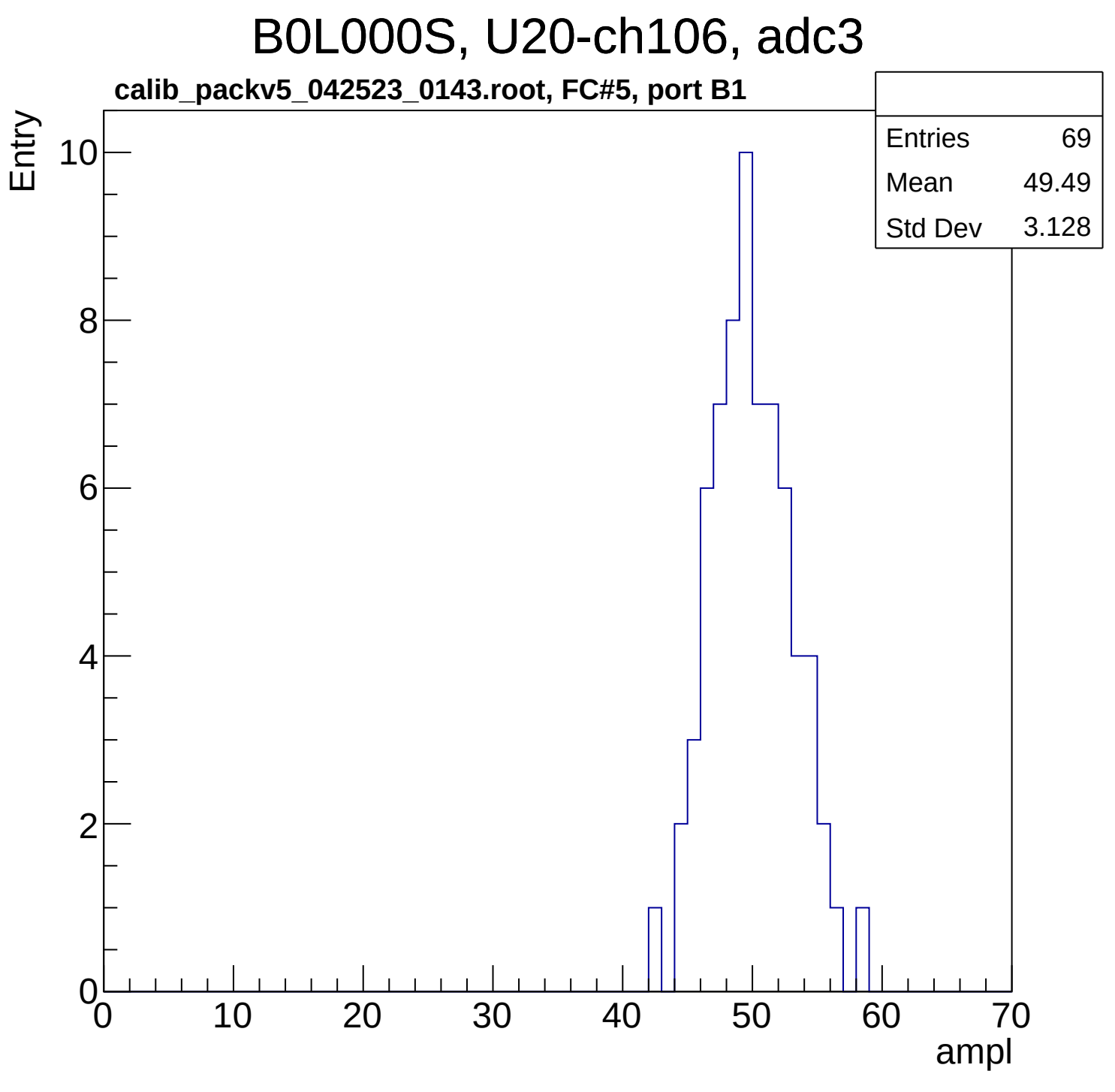
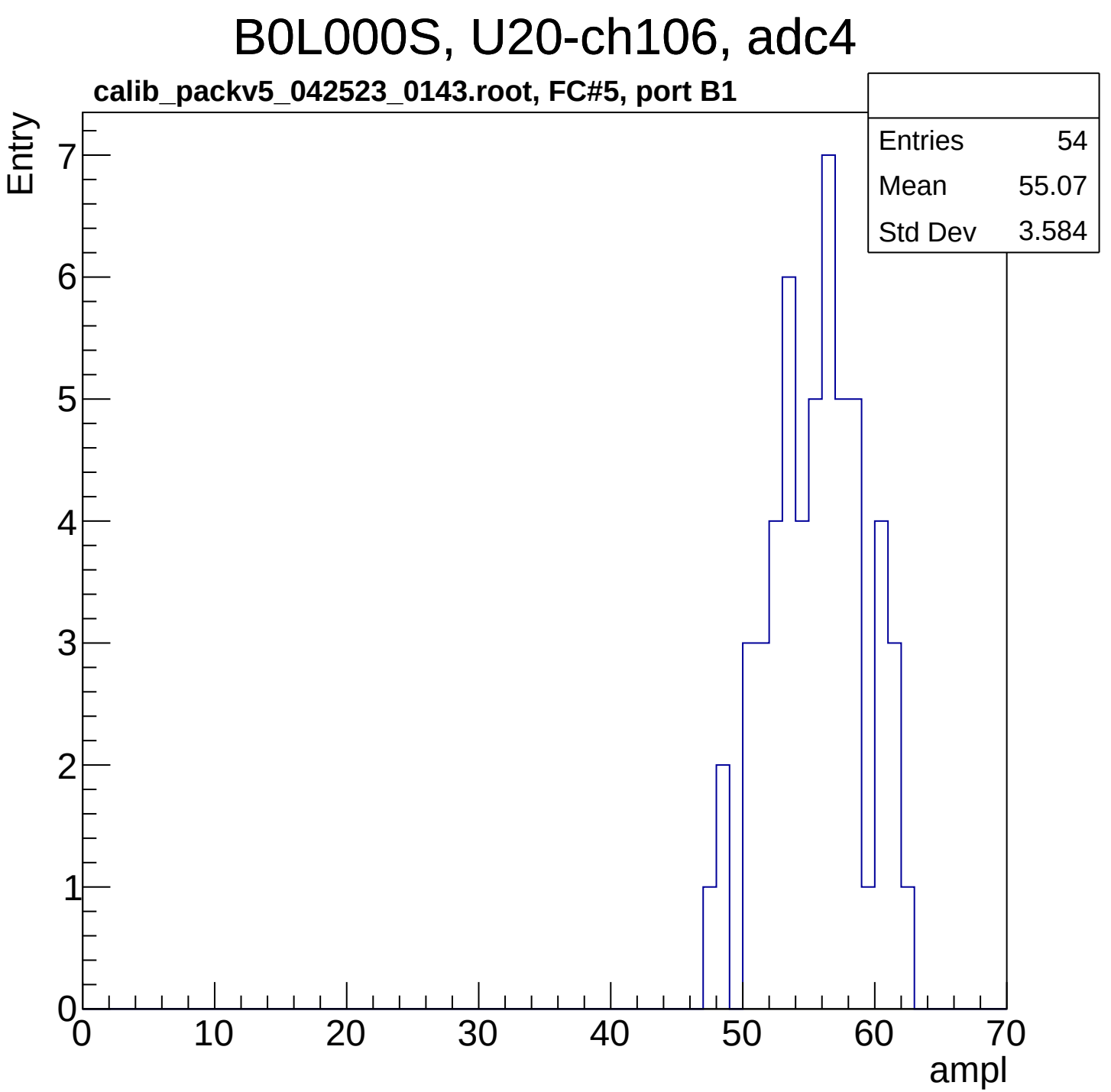

B0L000S, U20-ch106, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 41.88
Std Dev 2.854
Gaus mean : 42.9272
Gaus Width: 3.1710
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch106, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 49.49
Std Dev 3.128
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch106, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 55.07
Std Dev 3.584
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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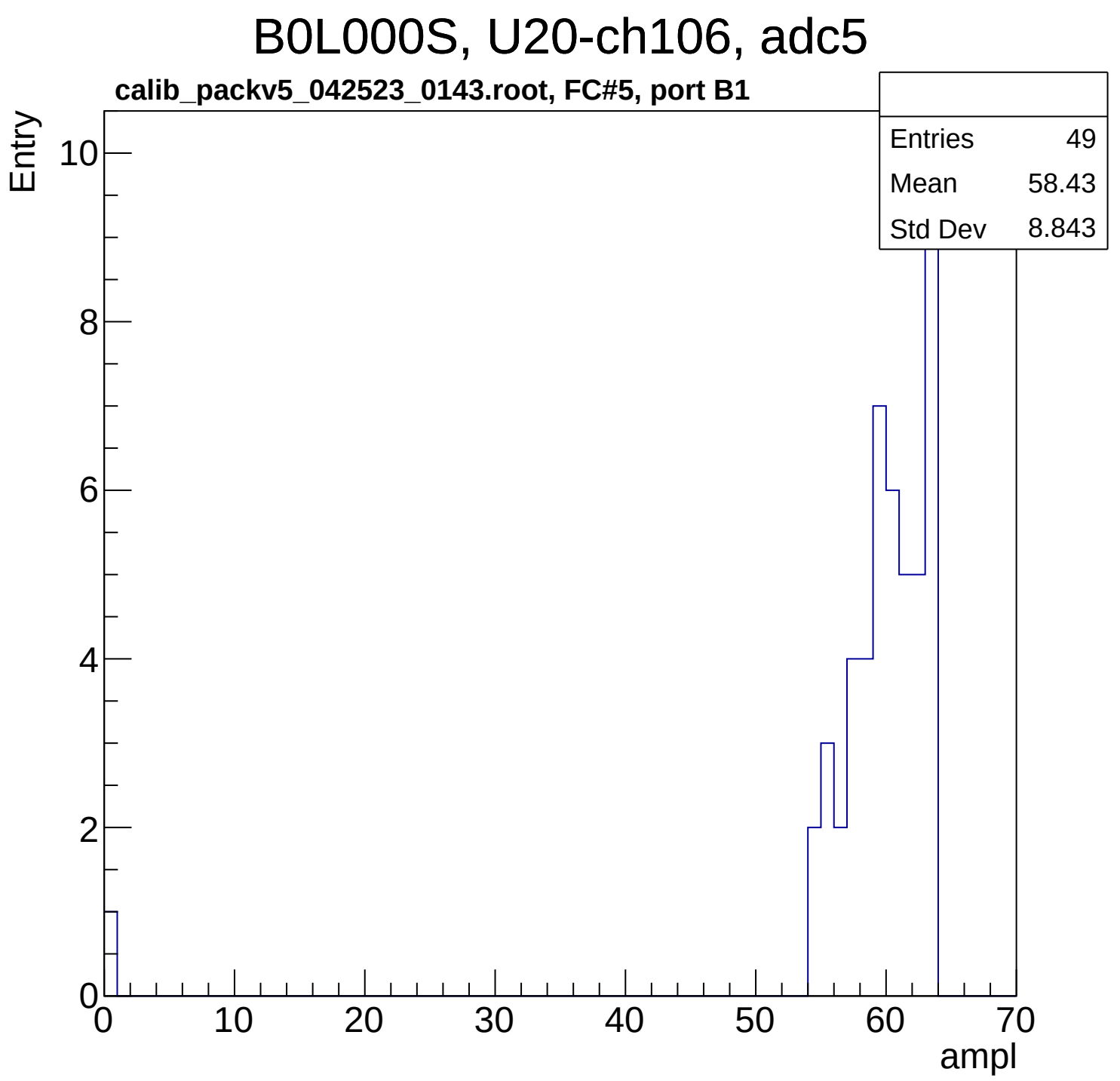
40
50
60
70


B0L000S, U20-ch106, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.43
Std Dev 8.843
Entry
ampl
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2
4
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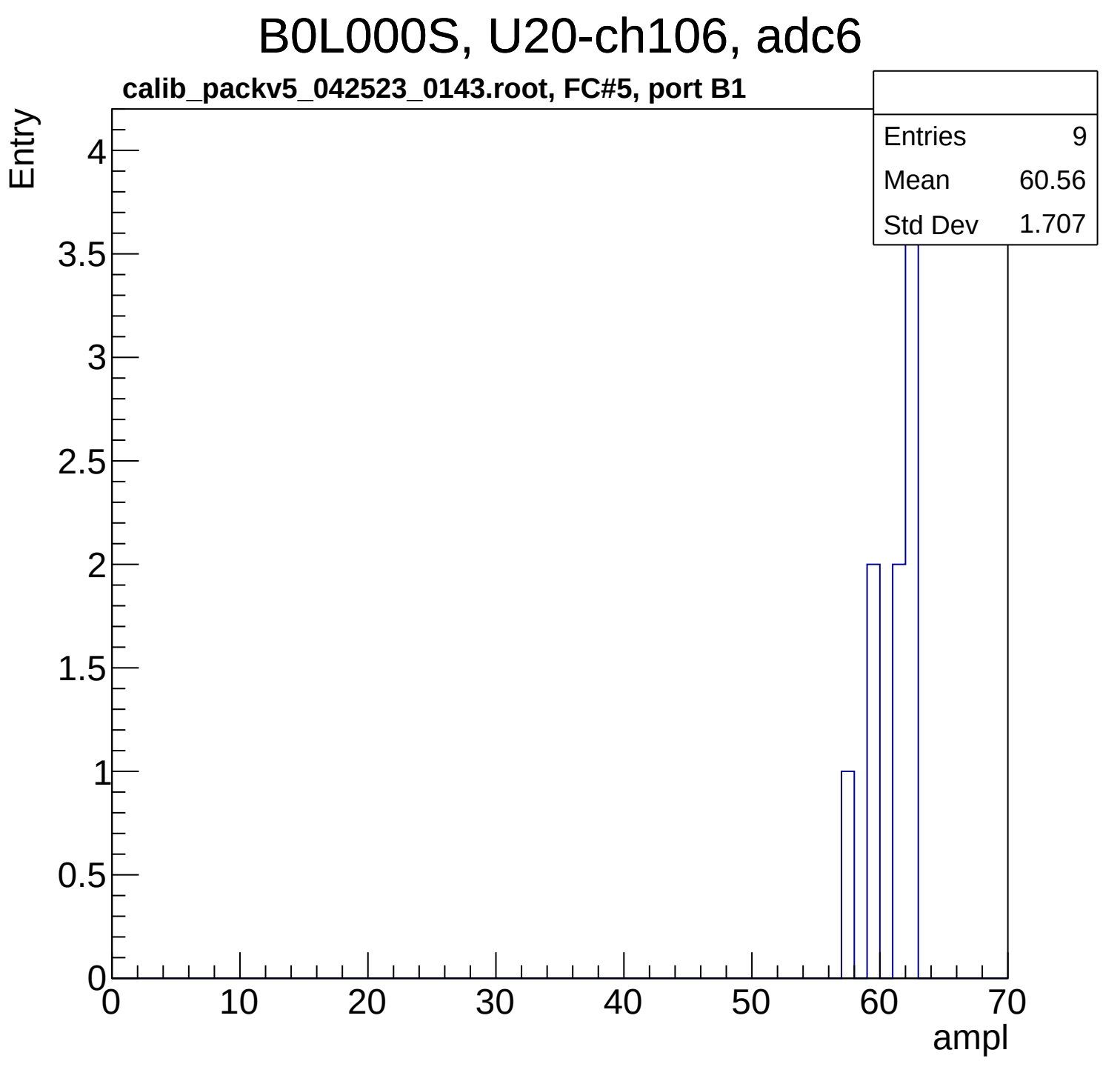
0
10
20
30
40
50
60
70


B0L000S, U20-ch106, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 9
Mean 60.56
Std Dev 1.707
Entry
ampl
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1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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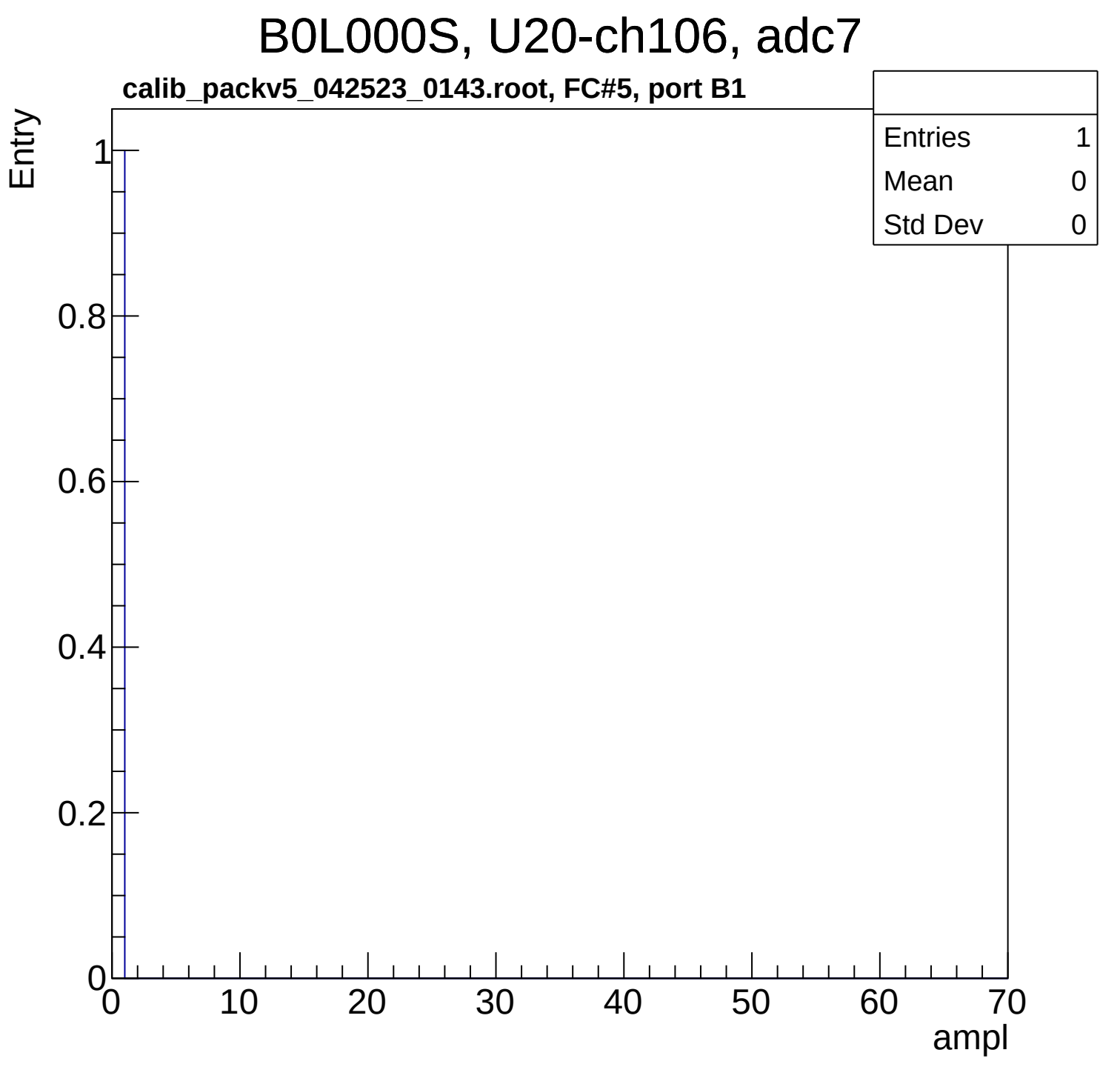
B0L000S, U20-ch106, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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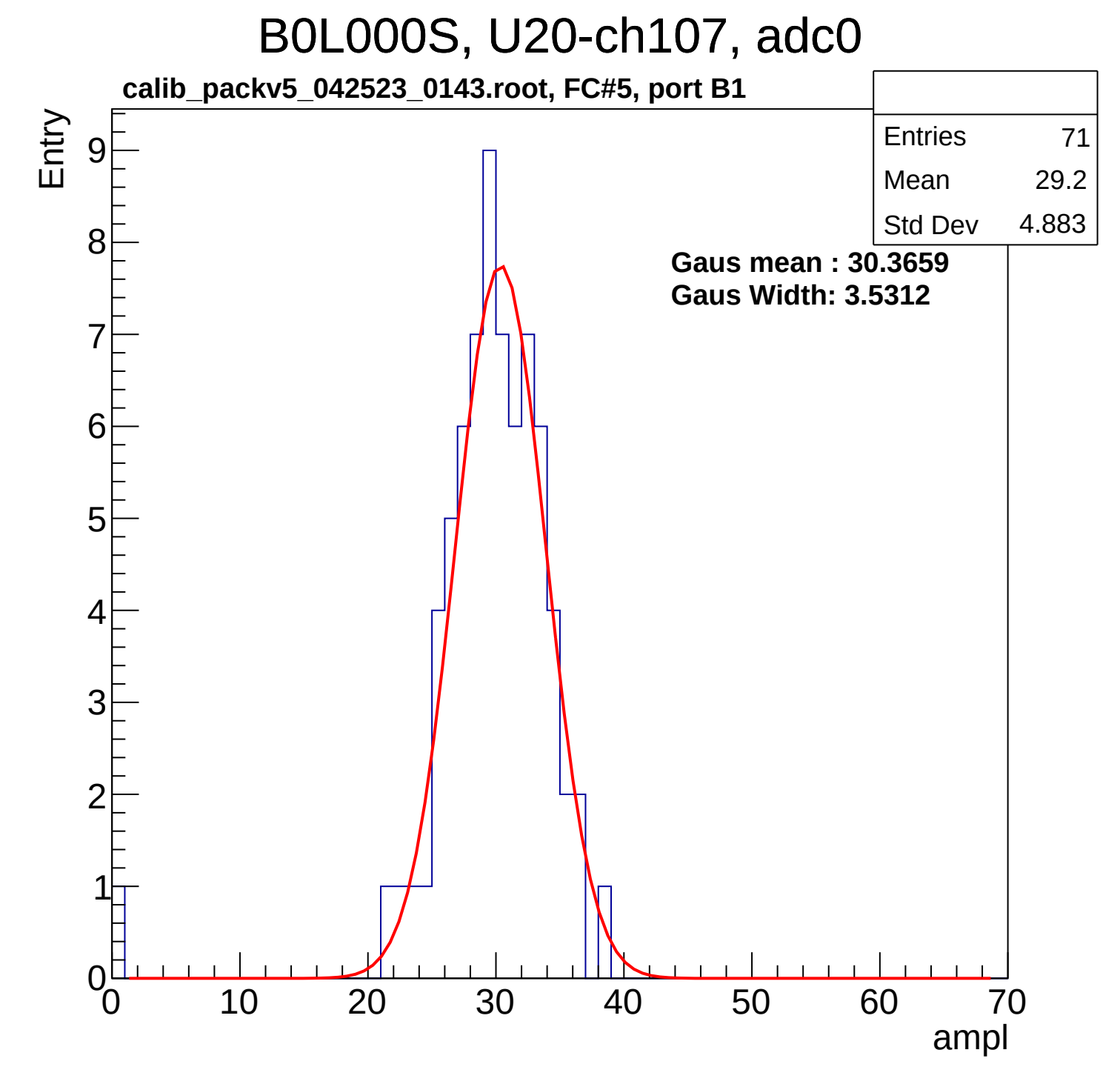
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch107, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 29.2
Std Dev 4.883
Gaus mean : 30.3659
Gaus Width: 3.5312
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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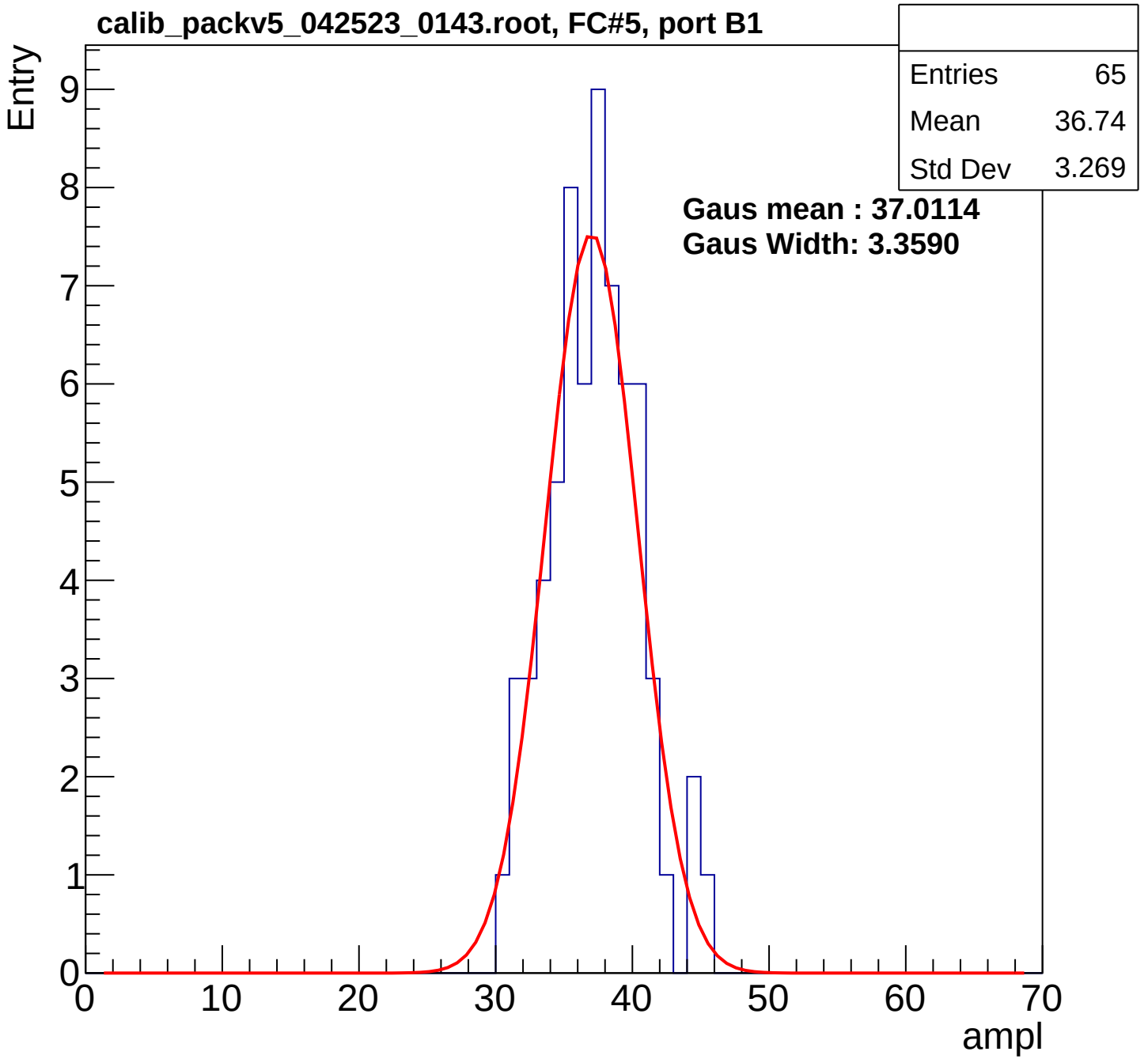
B0L000S, U20-ch107, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 36.74
Std Dev 3.269
Gaus mean : 37.0114
Gaus Width: 3.3590
Entry
ampl
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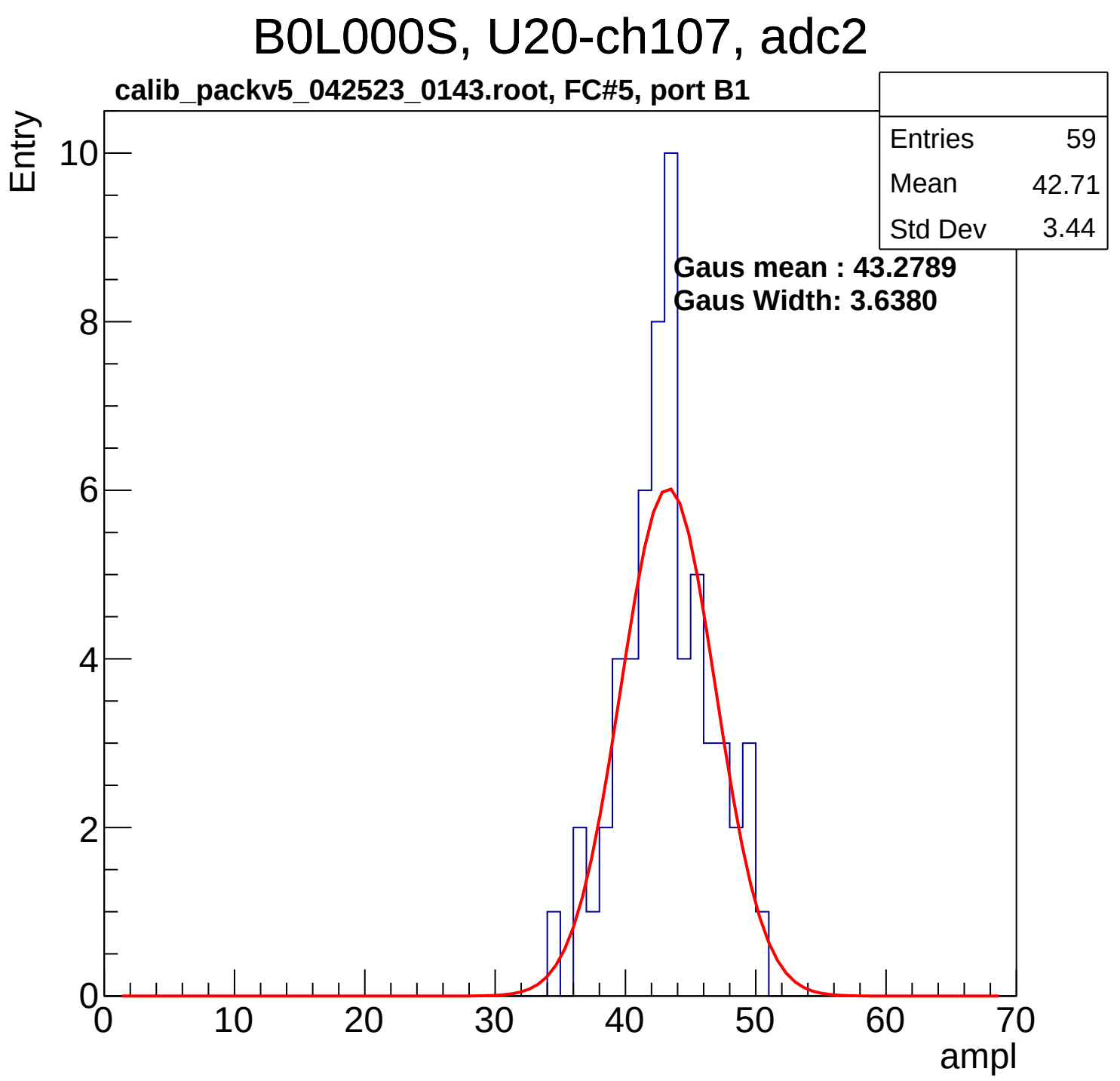
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L000S, U20-ch107, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 42.71
Std Dev 3.44
Gaus mean : 43.2789
Gaus Width: 3.6380
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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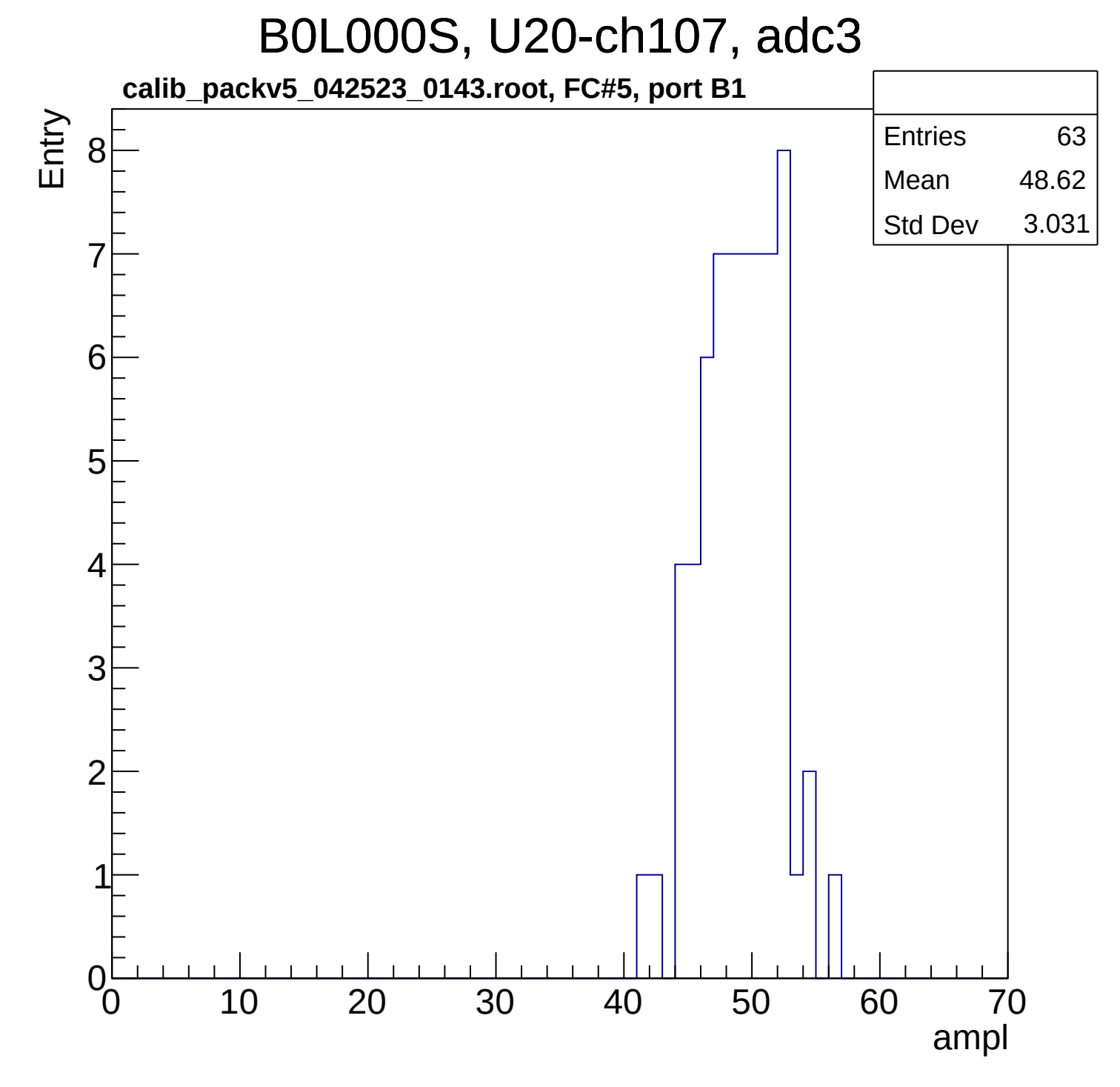
B0L000S, U20-ch107, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 48.62
Std Dev 3.031
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
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40
50
60
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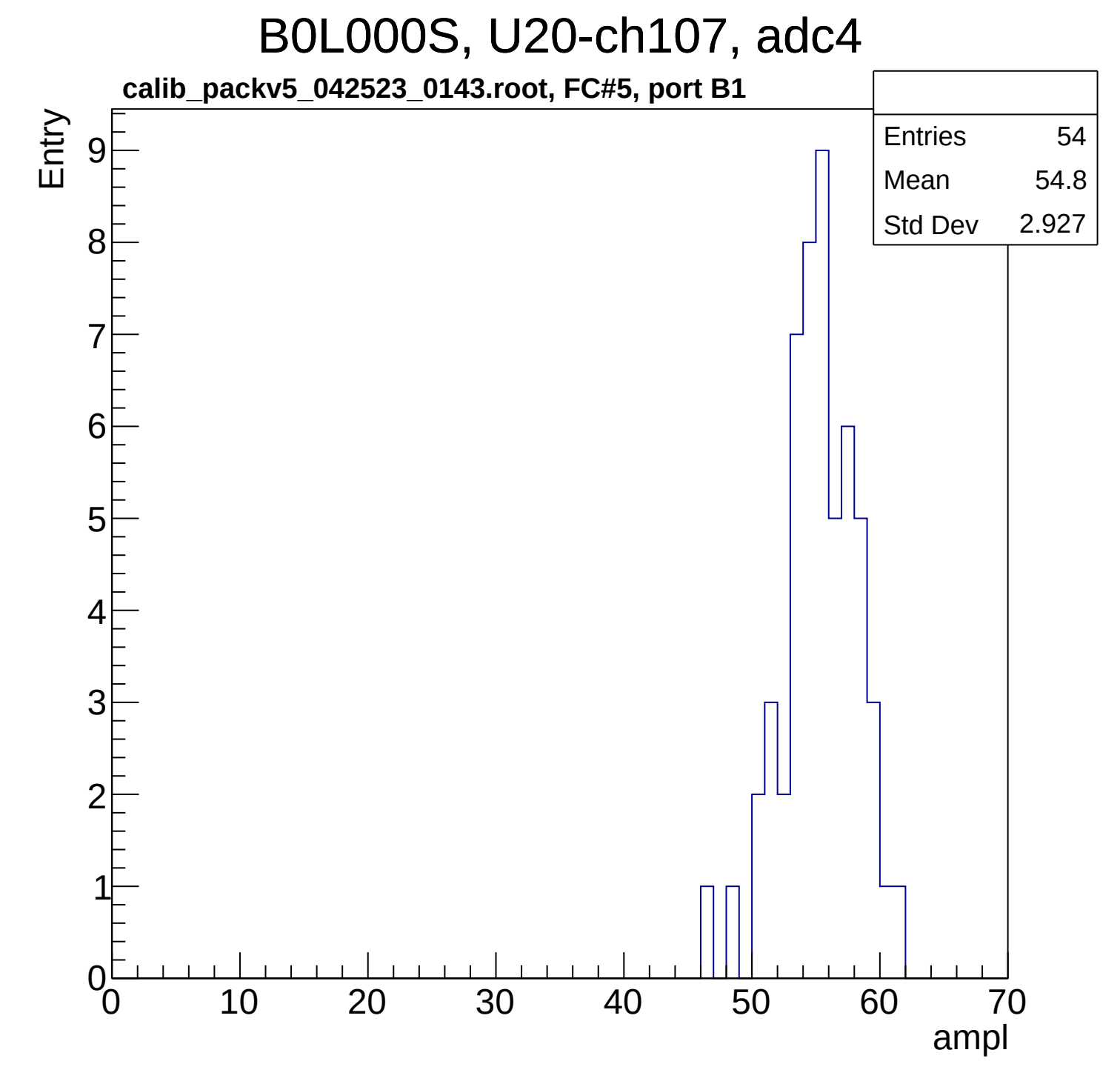
B0L000S, U20-ch107, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 54.8
Std Dev 2.927
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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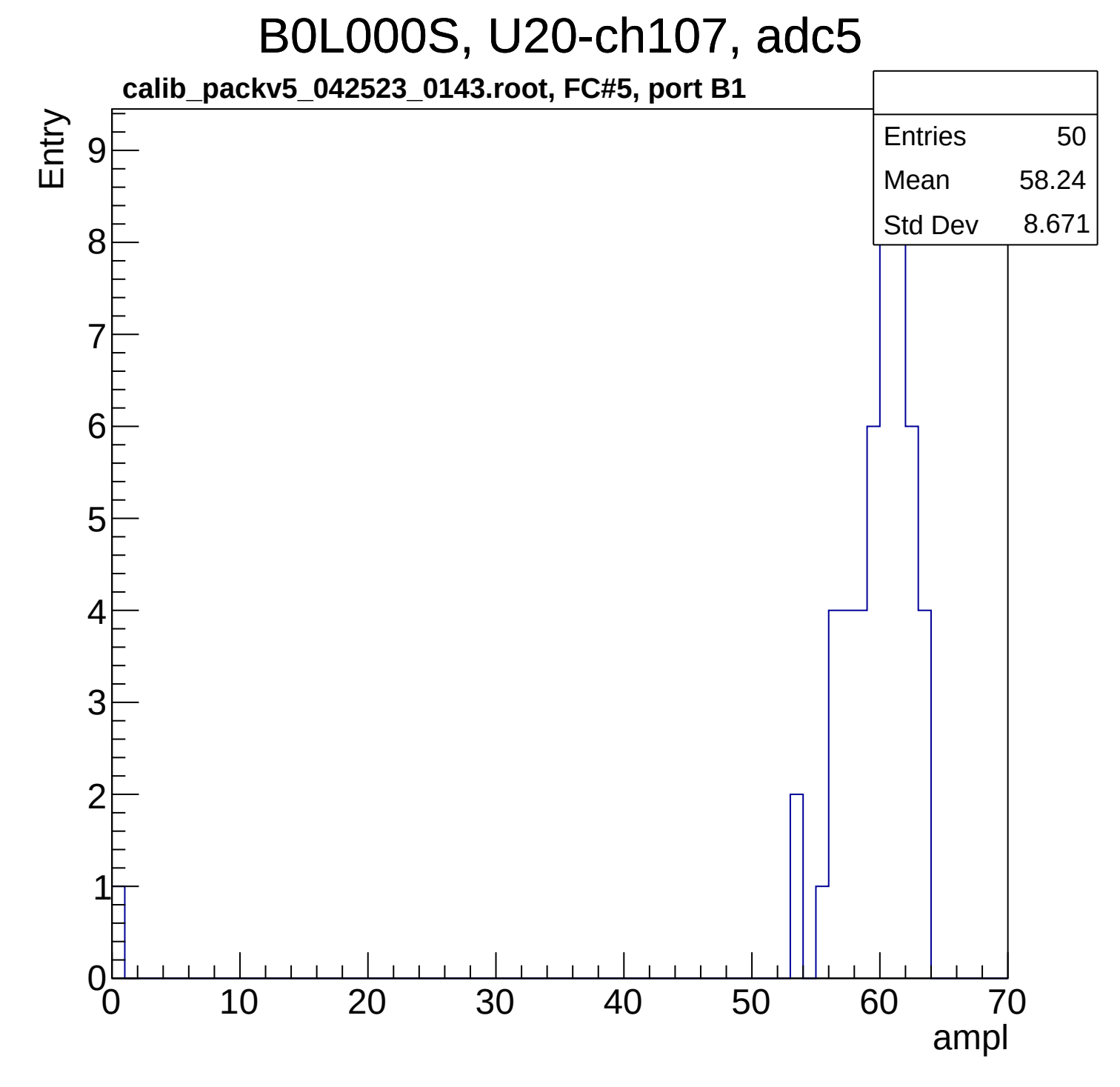
B0L000S, U20-ch107, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 58.24
Std Dev 8.671
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
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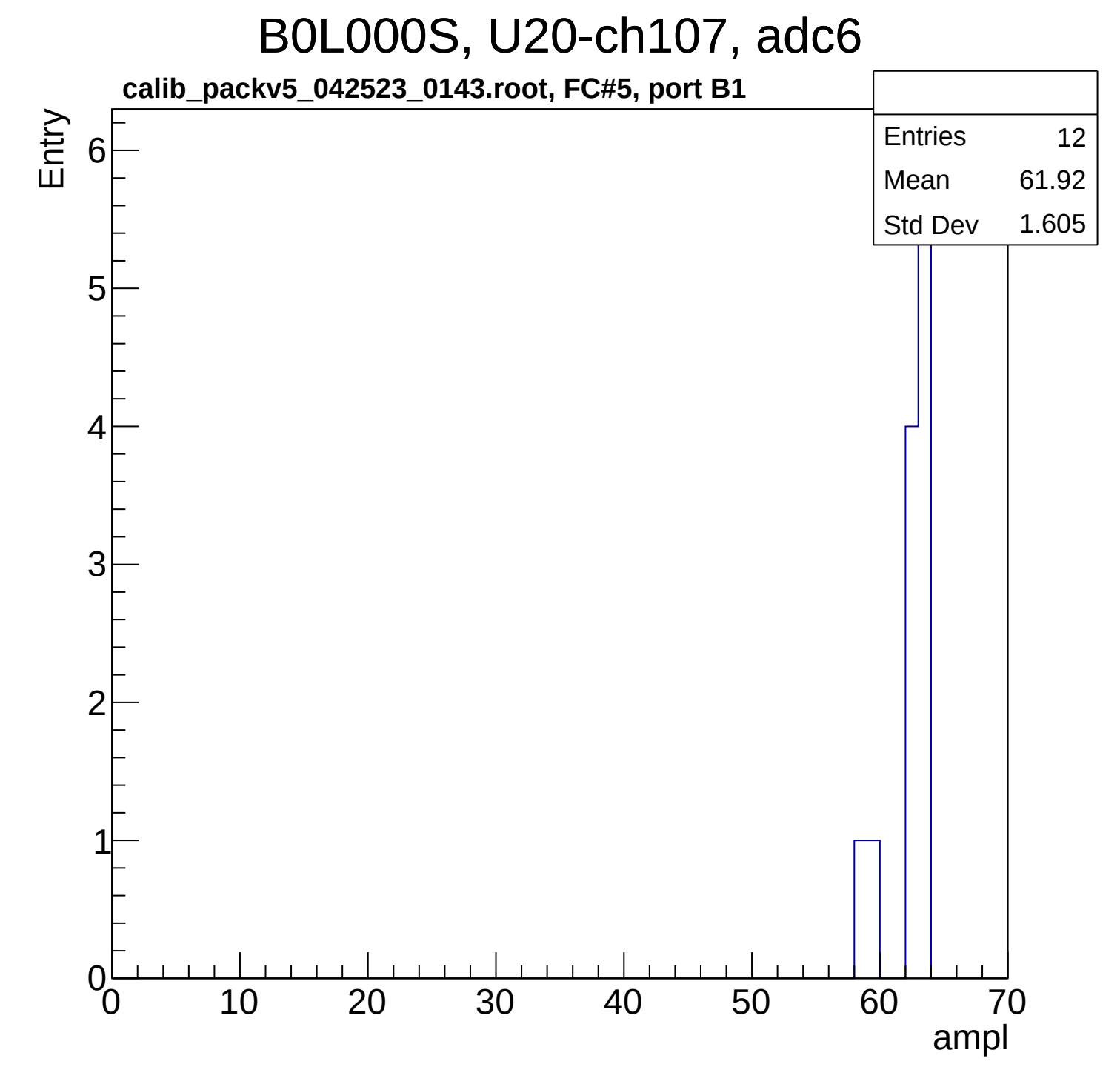
60
70


B0L000S, U20-ch107, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 61.92
Std Dev 1.605
Entry
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2
3
4
5
6
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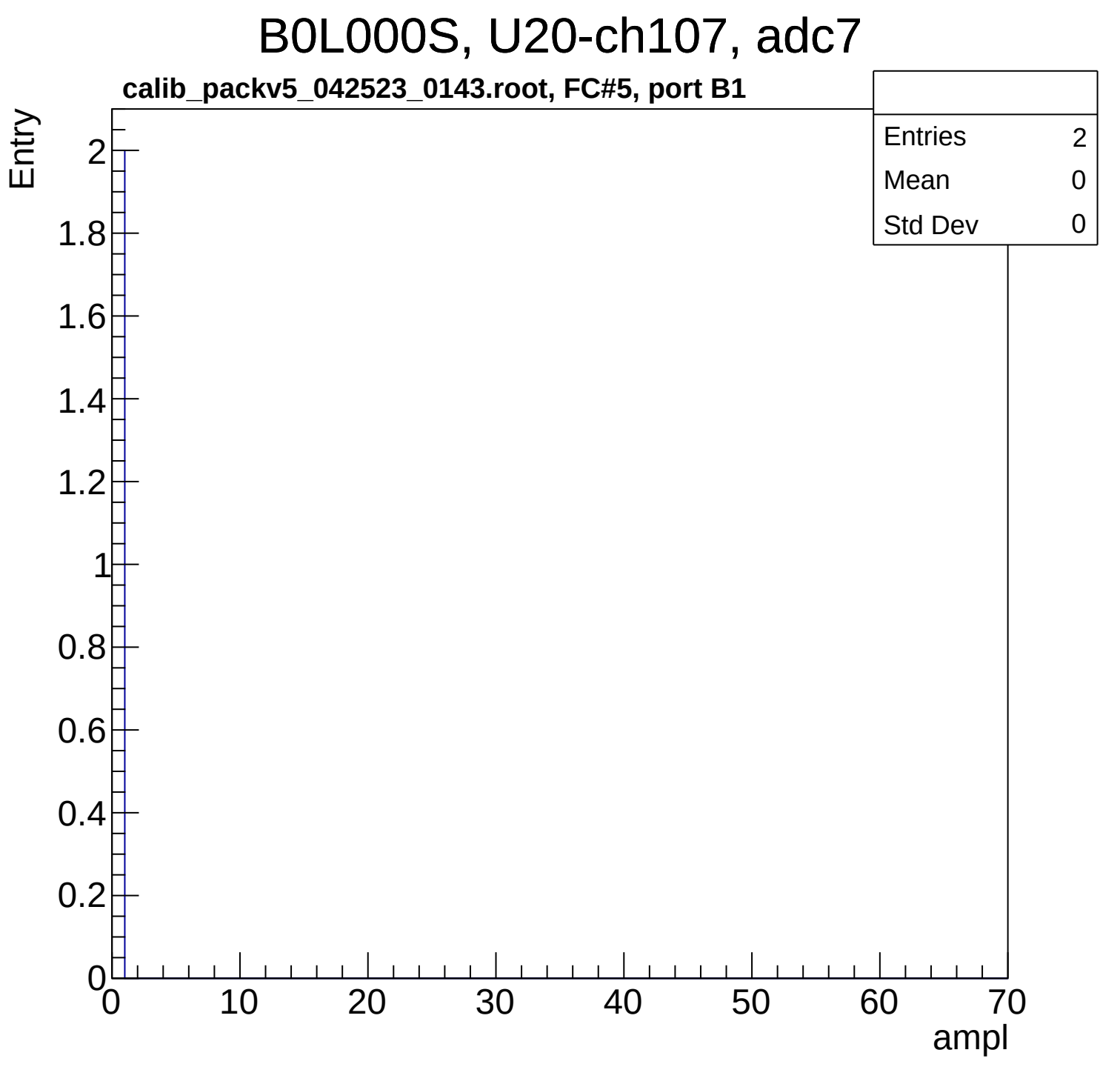
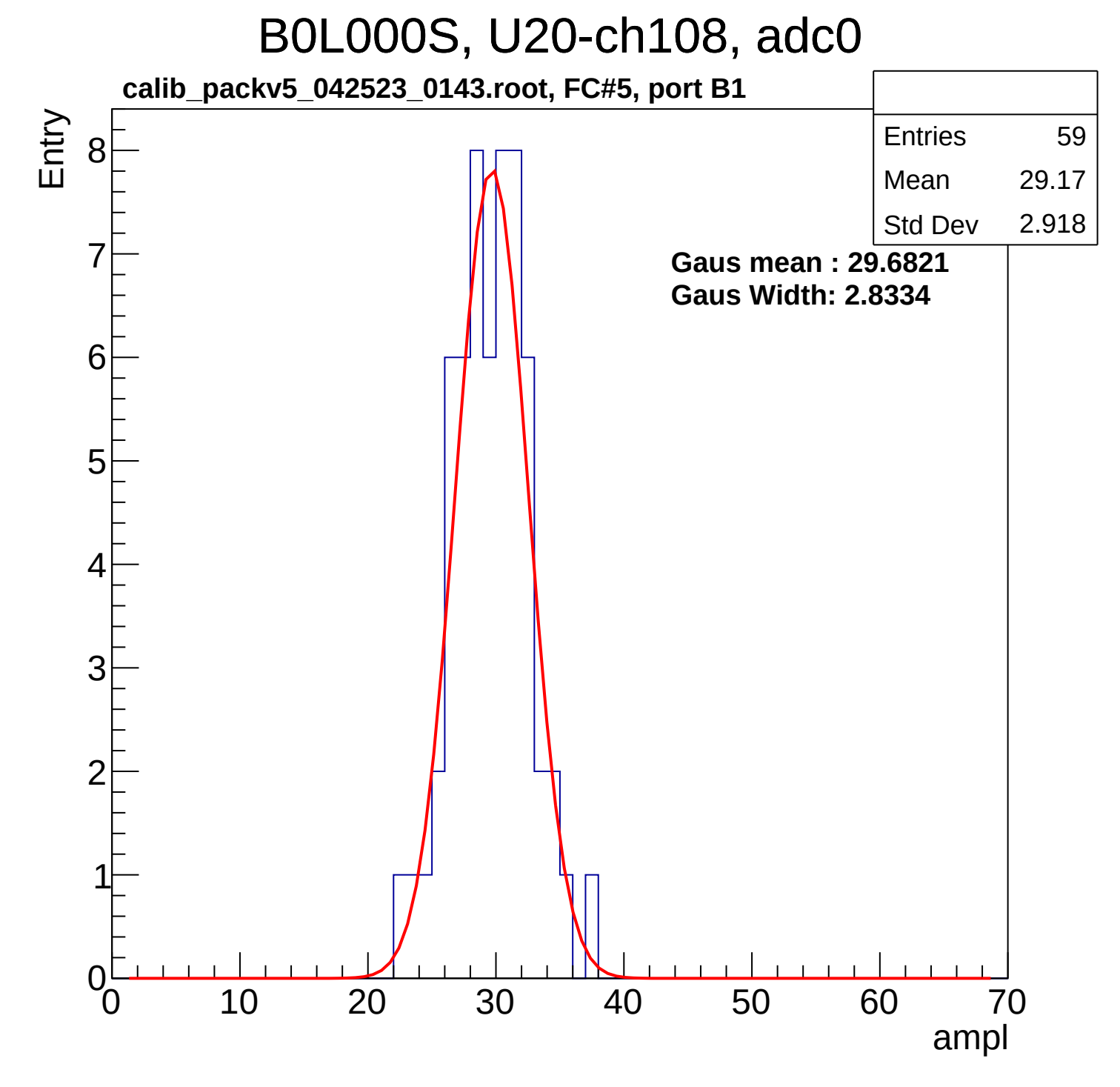
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch107, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch108, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 29.17
Std Dev 2.918
Gaus mean : 29.6821
Gaus Width: 2.8334
Entry
ampl
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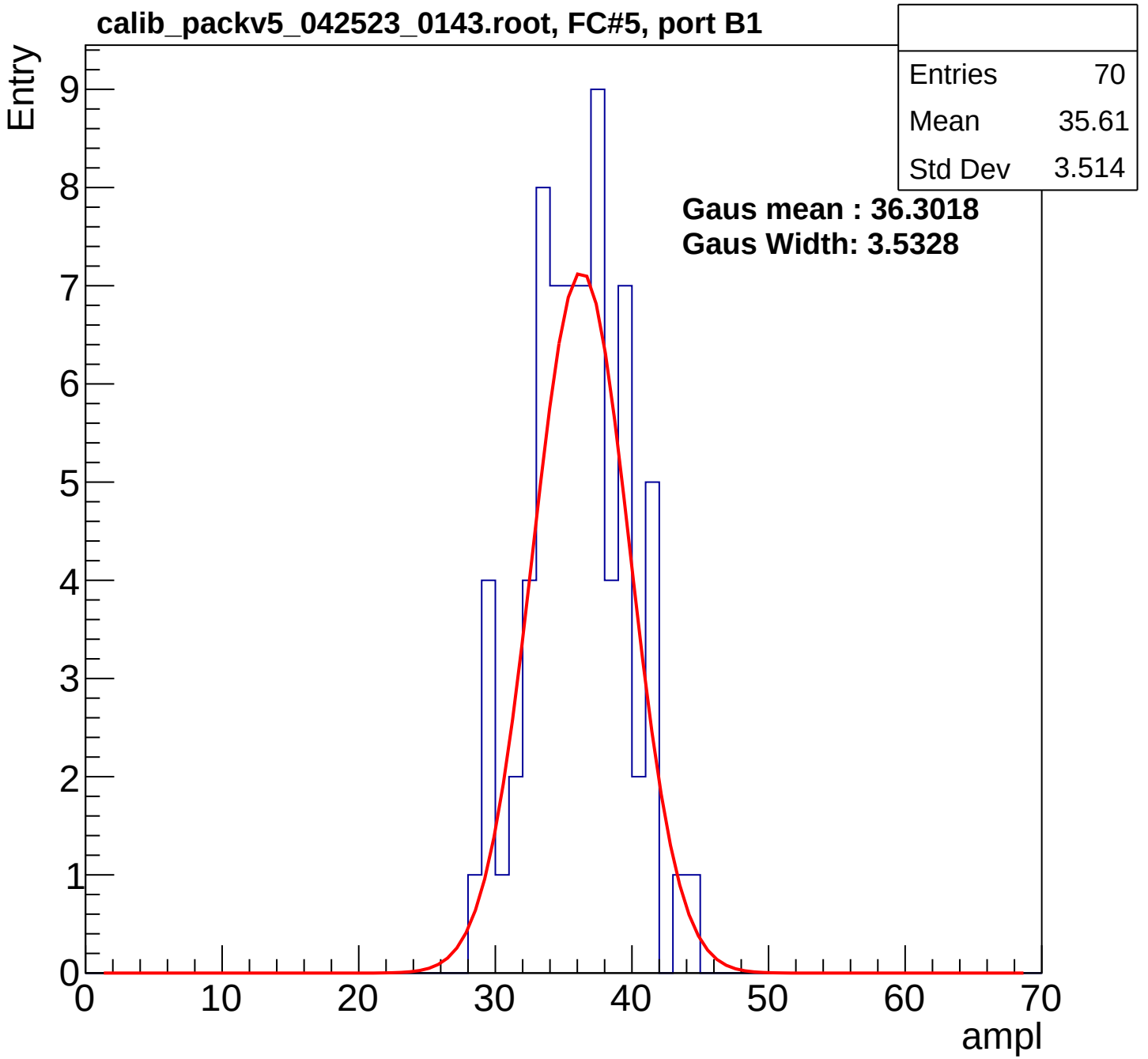
B0L000S, U20-ch108, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 35.61
Std Dev 3.514
Gaus mean : 36.3018
Gaus Width: 3.5328
Entry
ampl
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3
4
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6
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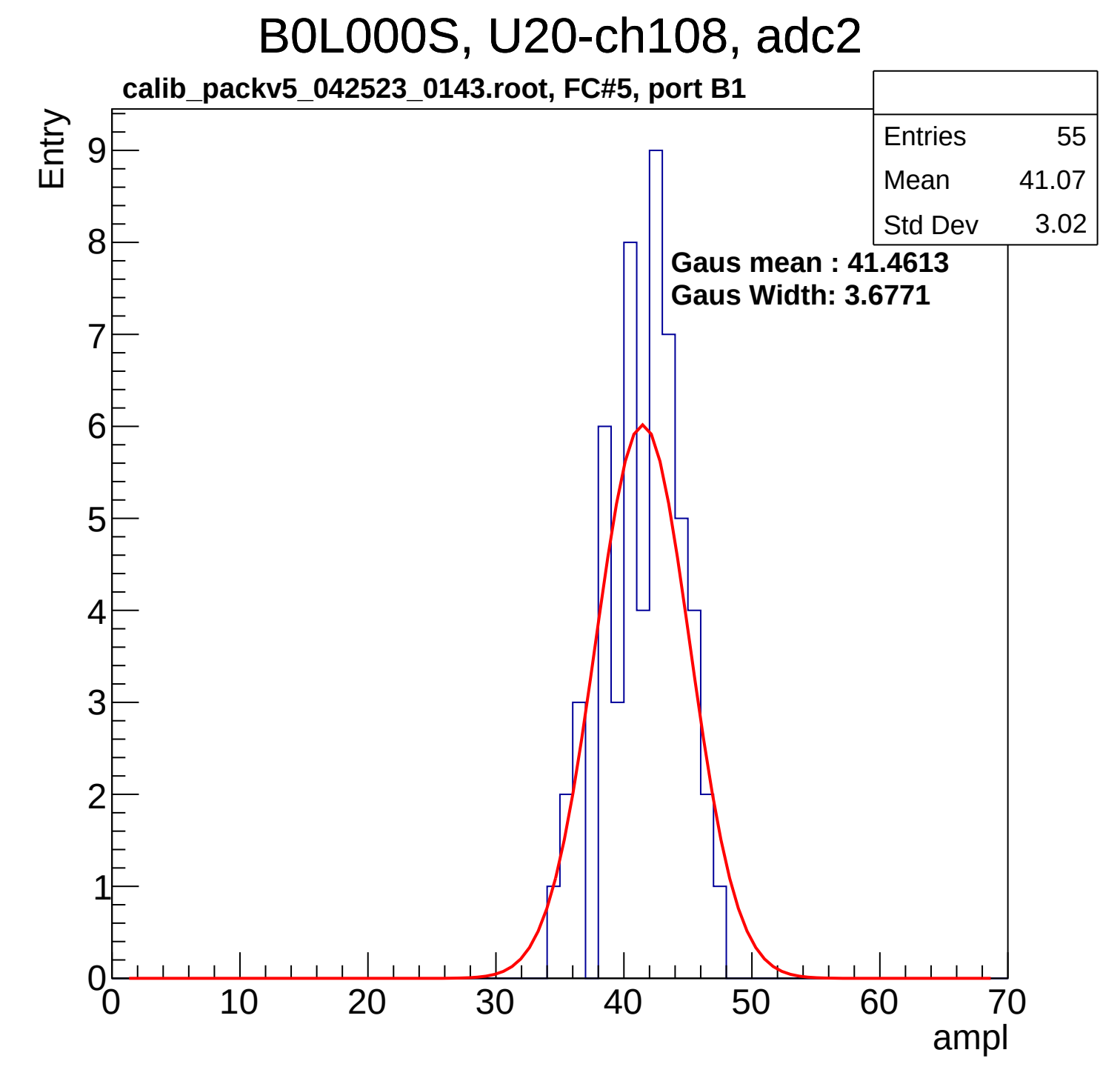
B0L000S, U20-ch108, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 41.07
Std Dev 3.02
Gaus mean : 41.4613
Gaus Width: 3.6771
Entry
ampl
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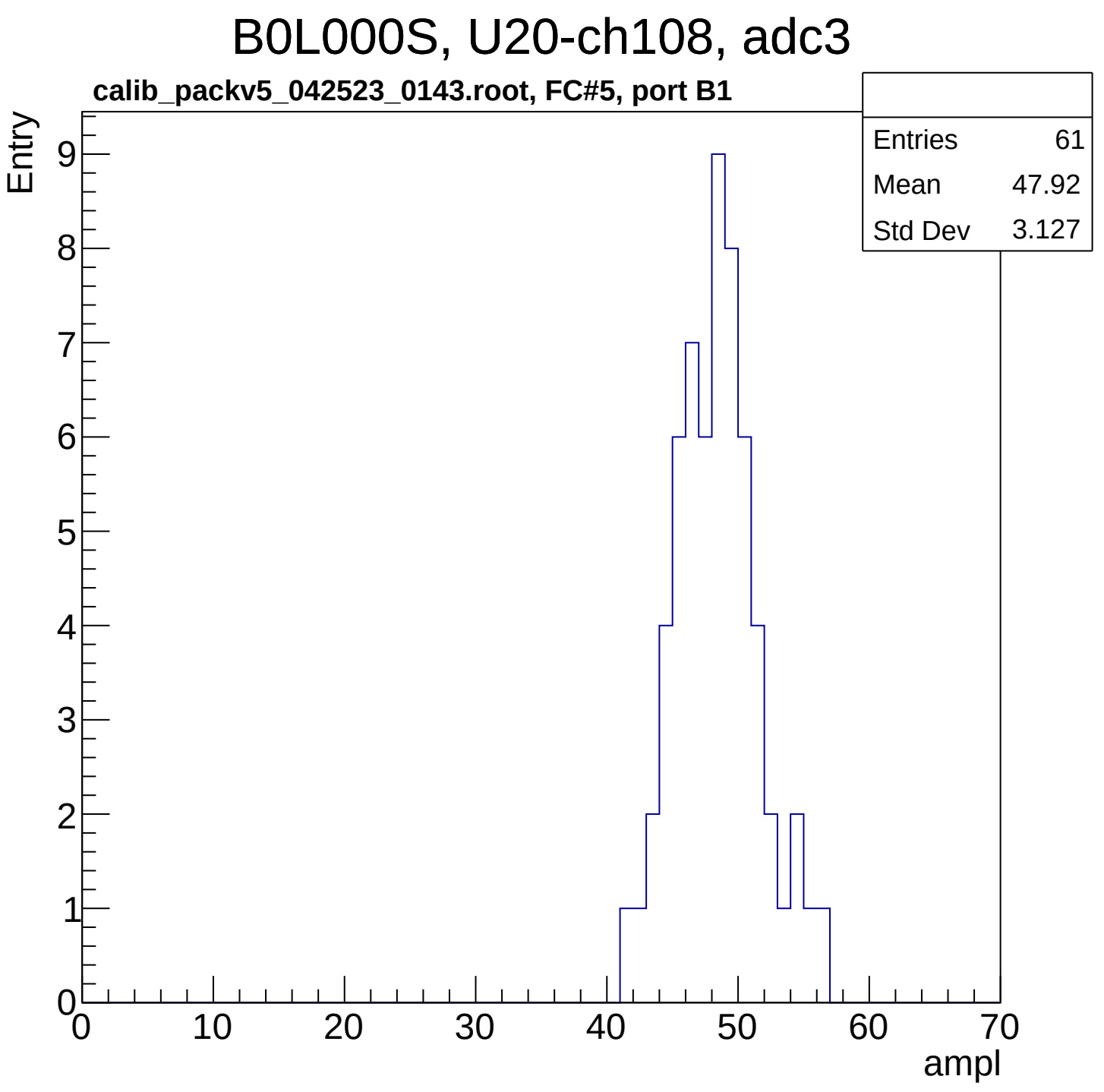
B0L000S, U20-ch108, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 47.92
Std Dev 3.127
Entry
ampl
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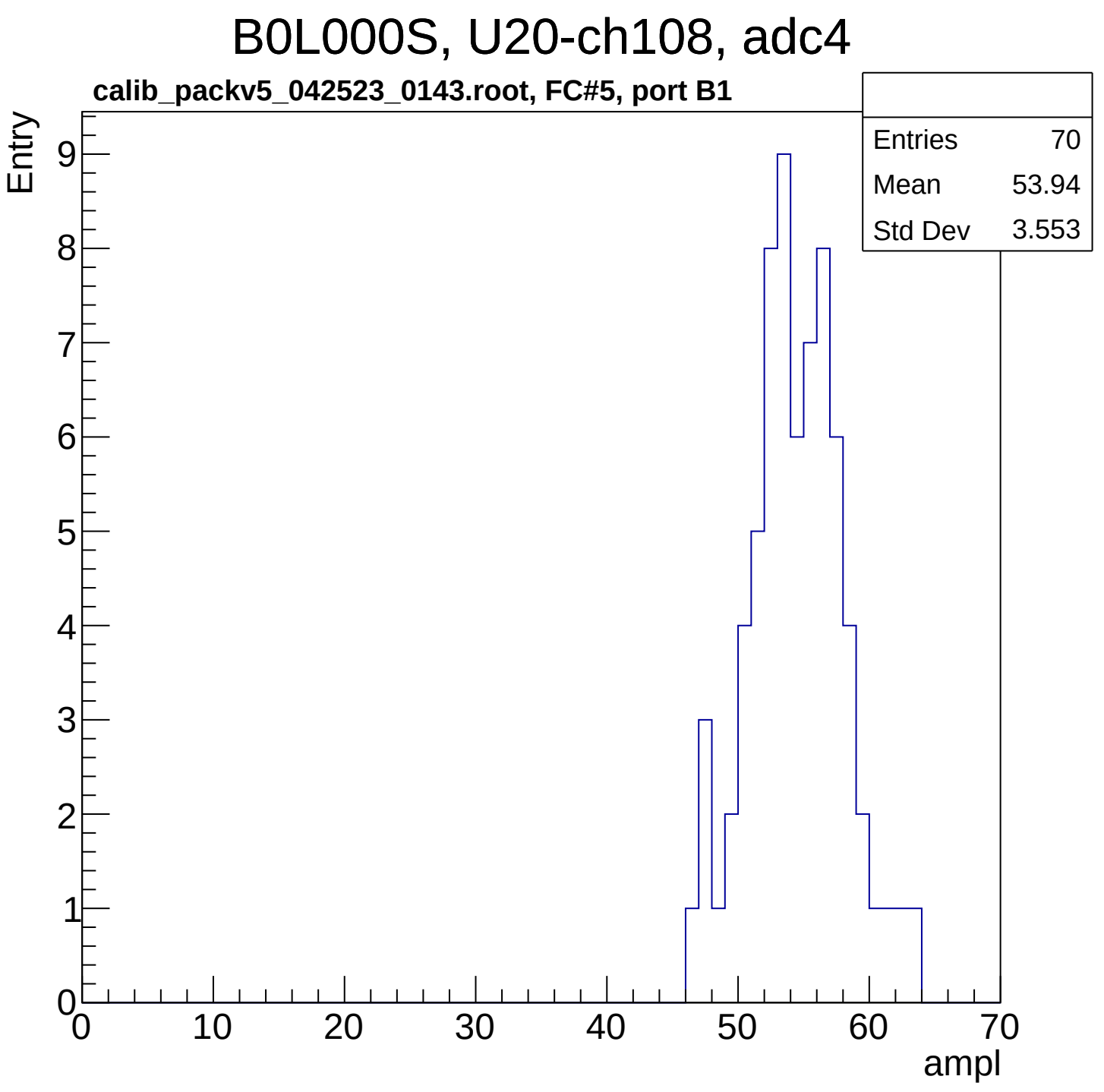
B0L000S, U20-ch108, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 53.94
Std Dev 3.553
Entry
ampl
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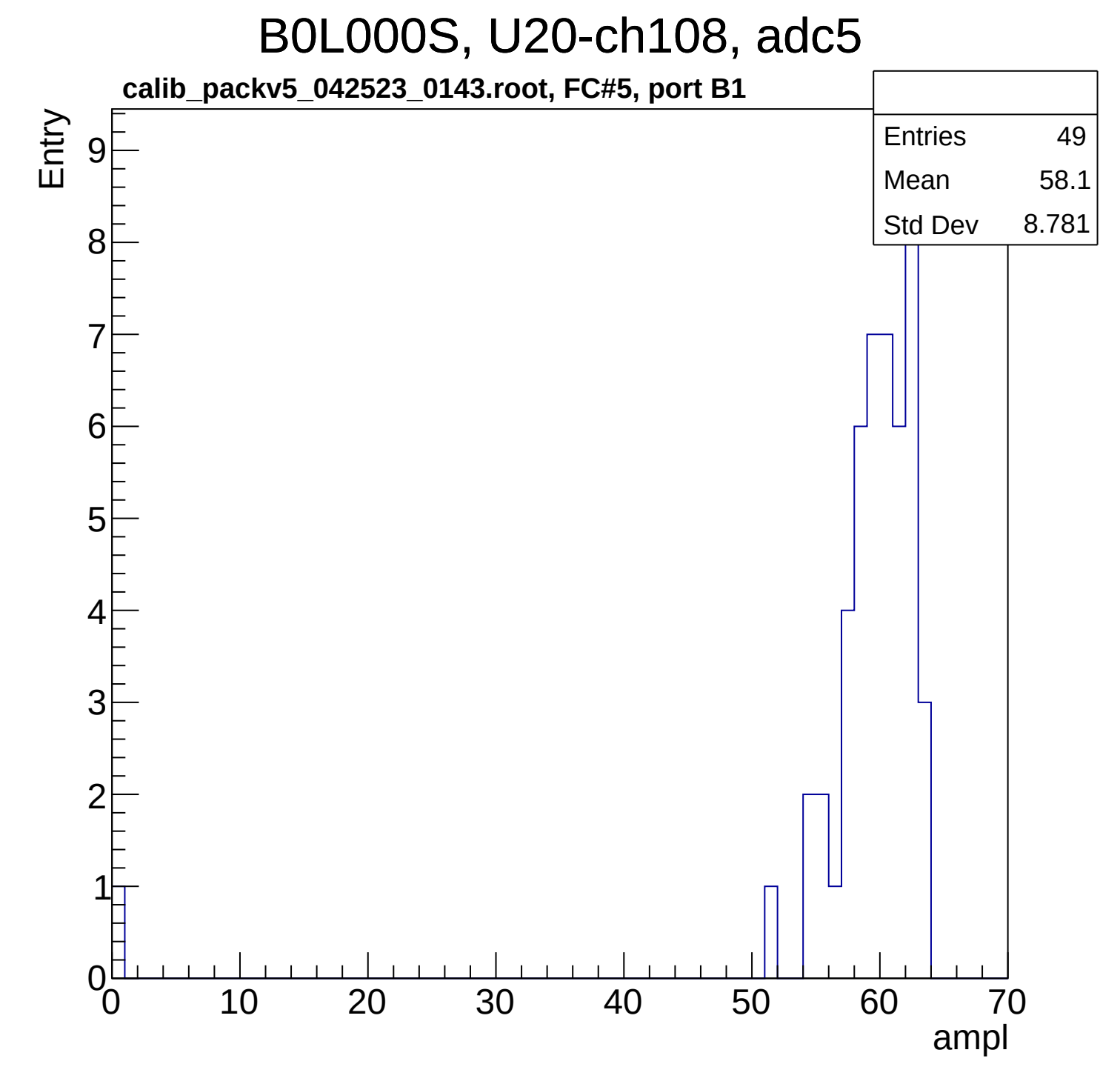
B0L000S, U20-ch108, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.1
Std Dev 8.781
Entry
ampl
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3
4
5
6
7
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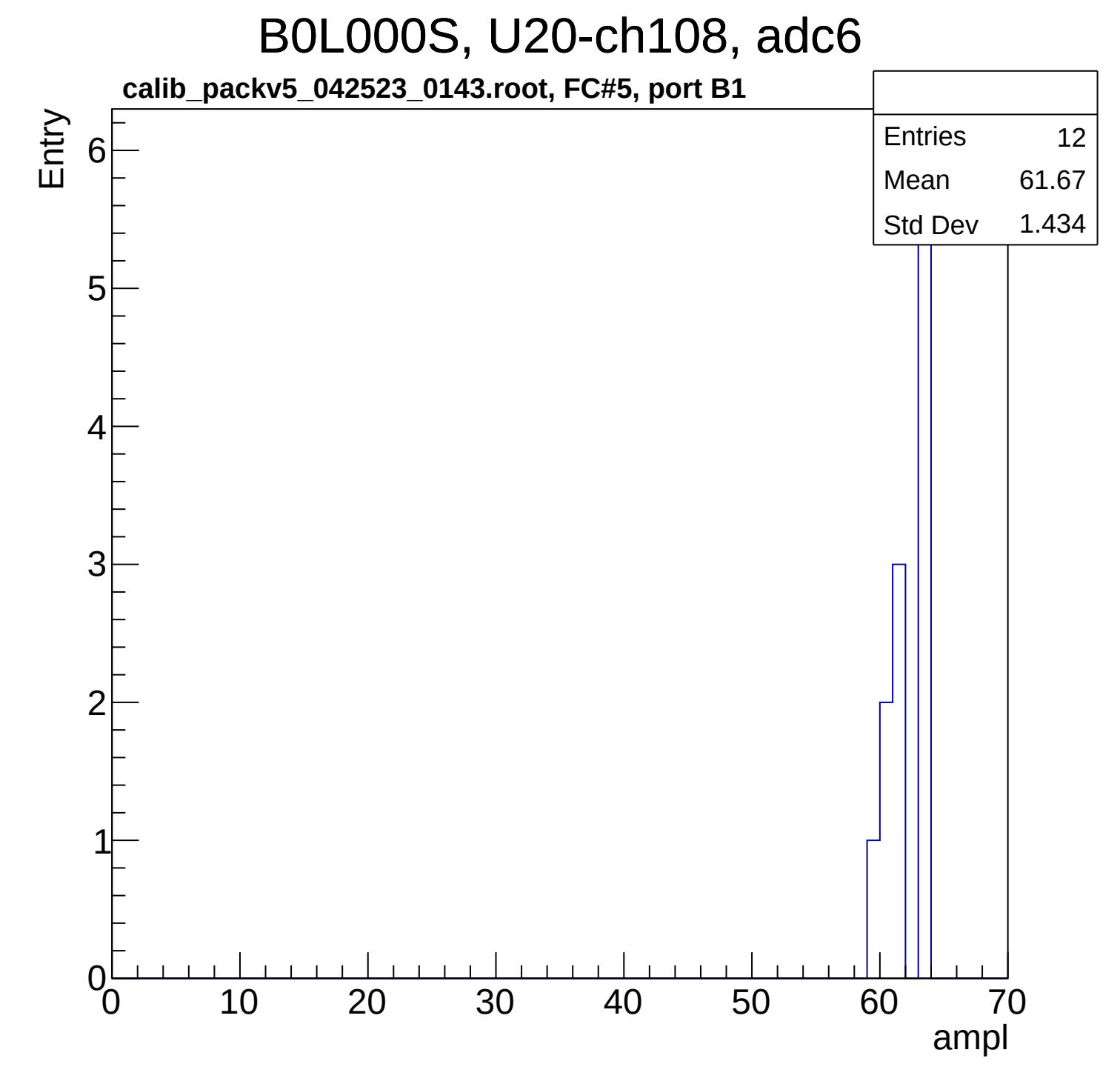
B0L000S, U20-ch108, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 61.67
Std Dev 1.434
Entry
0
1
2
3
4
5
6
0
10
20
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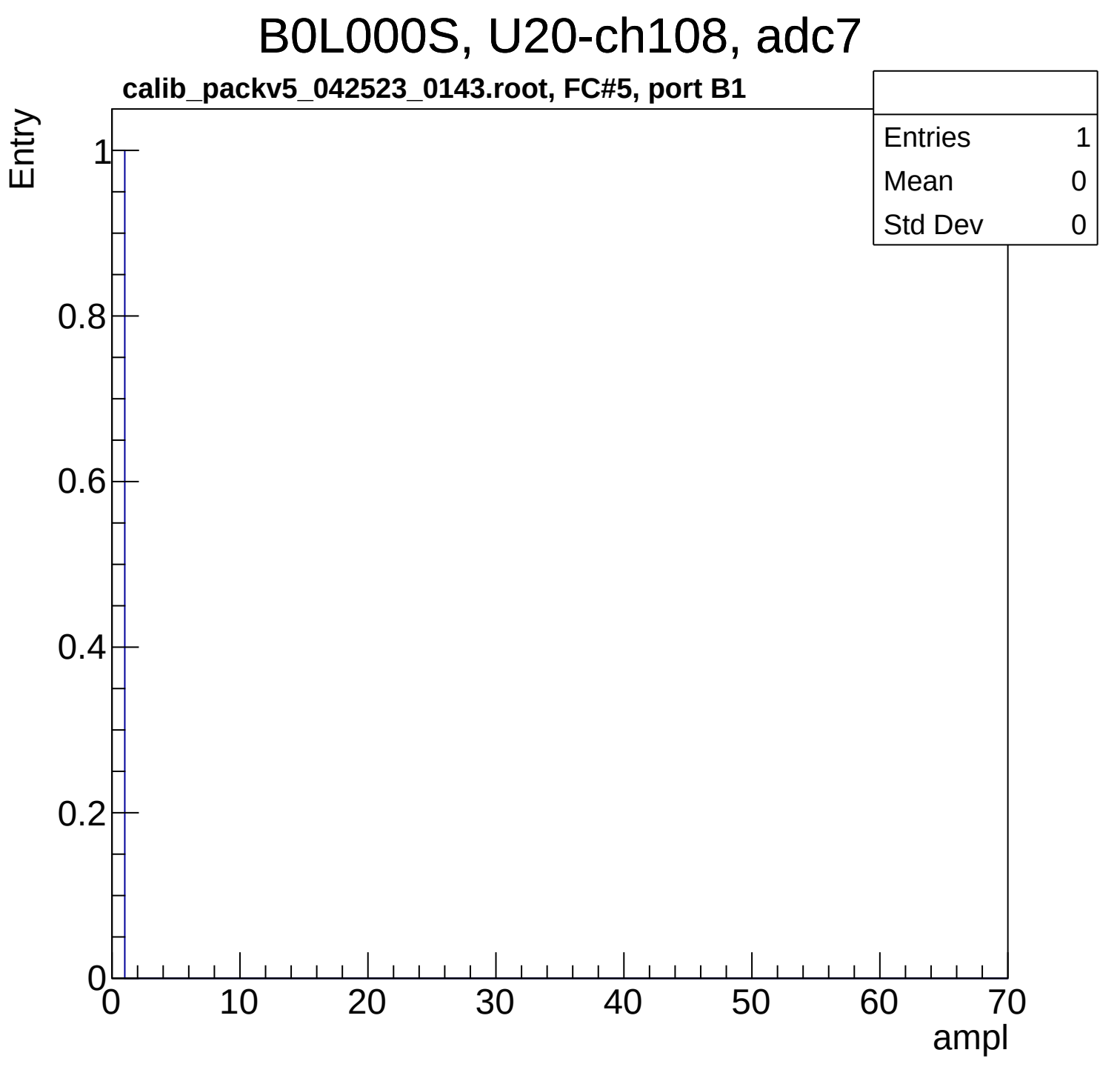
40
50
60
70
ampl


B0L000S, U20-ch108, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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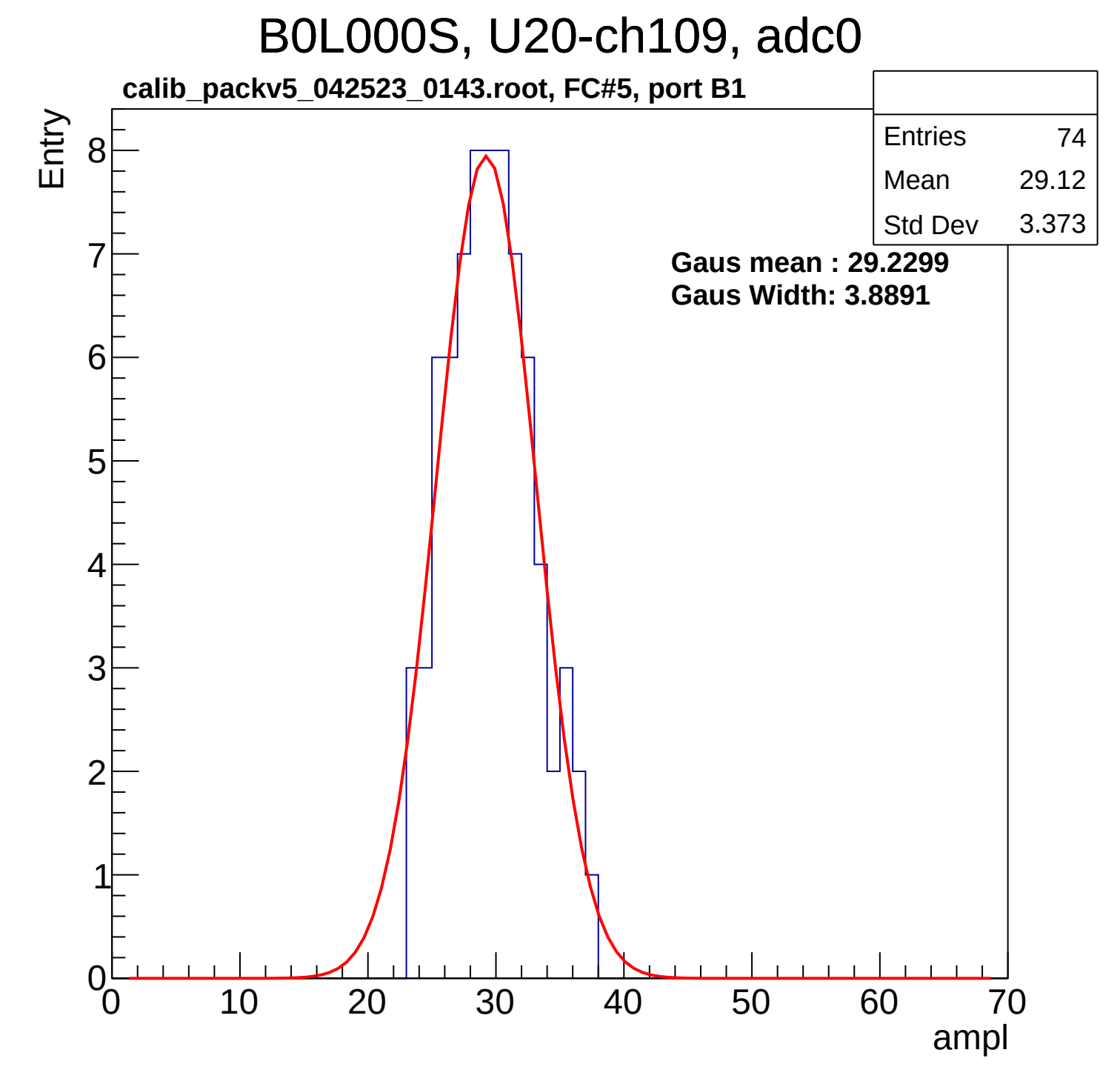
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch109, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 29.12
Std Dev 3.373
Gaus mean : 29.2299
Gaus Width: 3.8891
Entry
ampl
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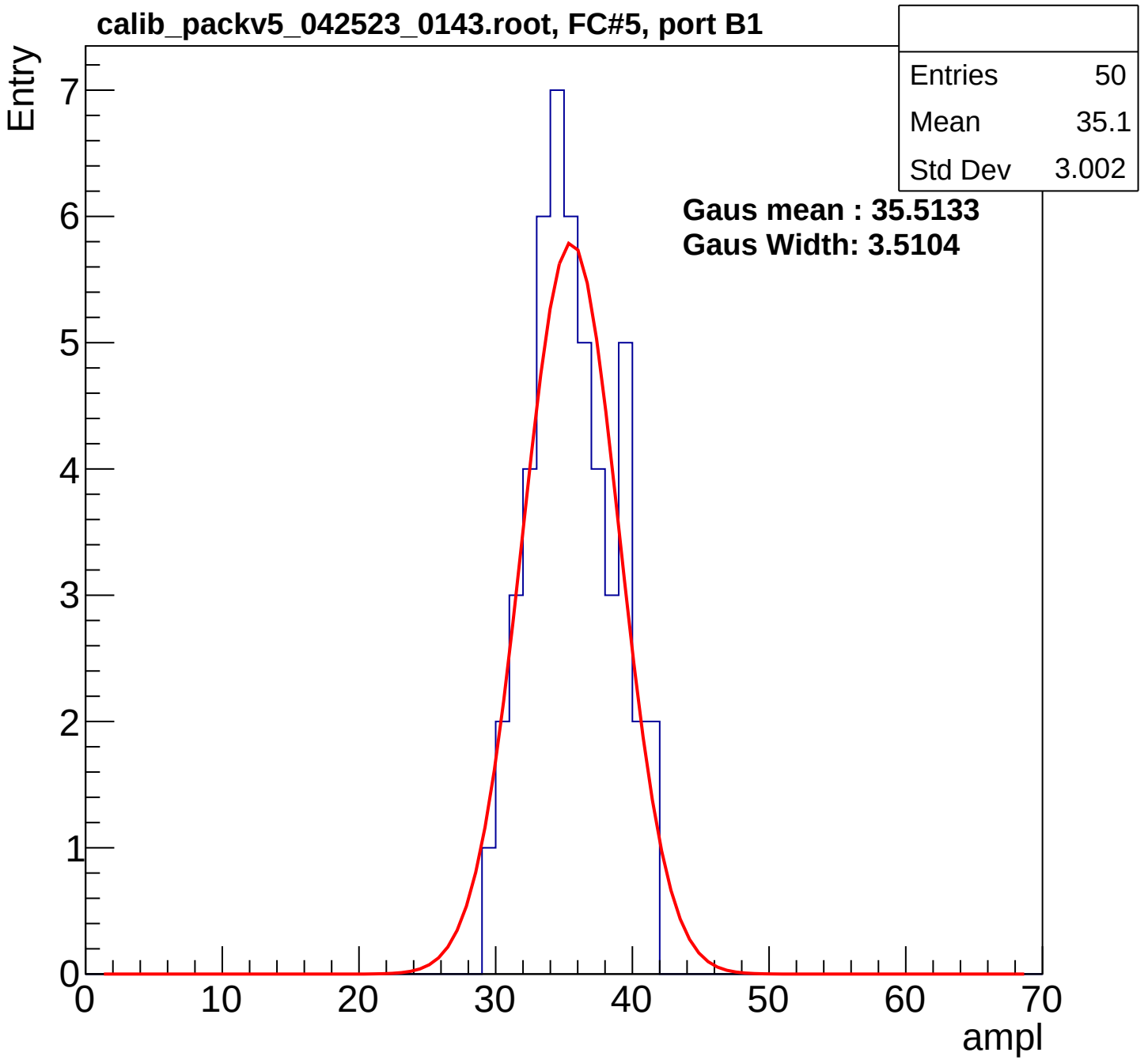
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch109, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 35.1
Std Dev 3.002
Gaus mean : 35.5133
Gaus Width: 3.5104
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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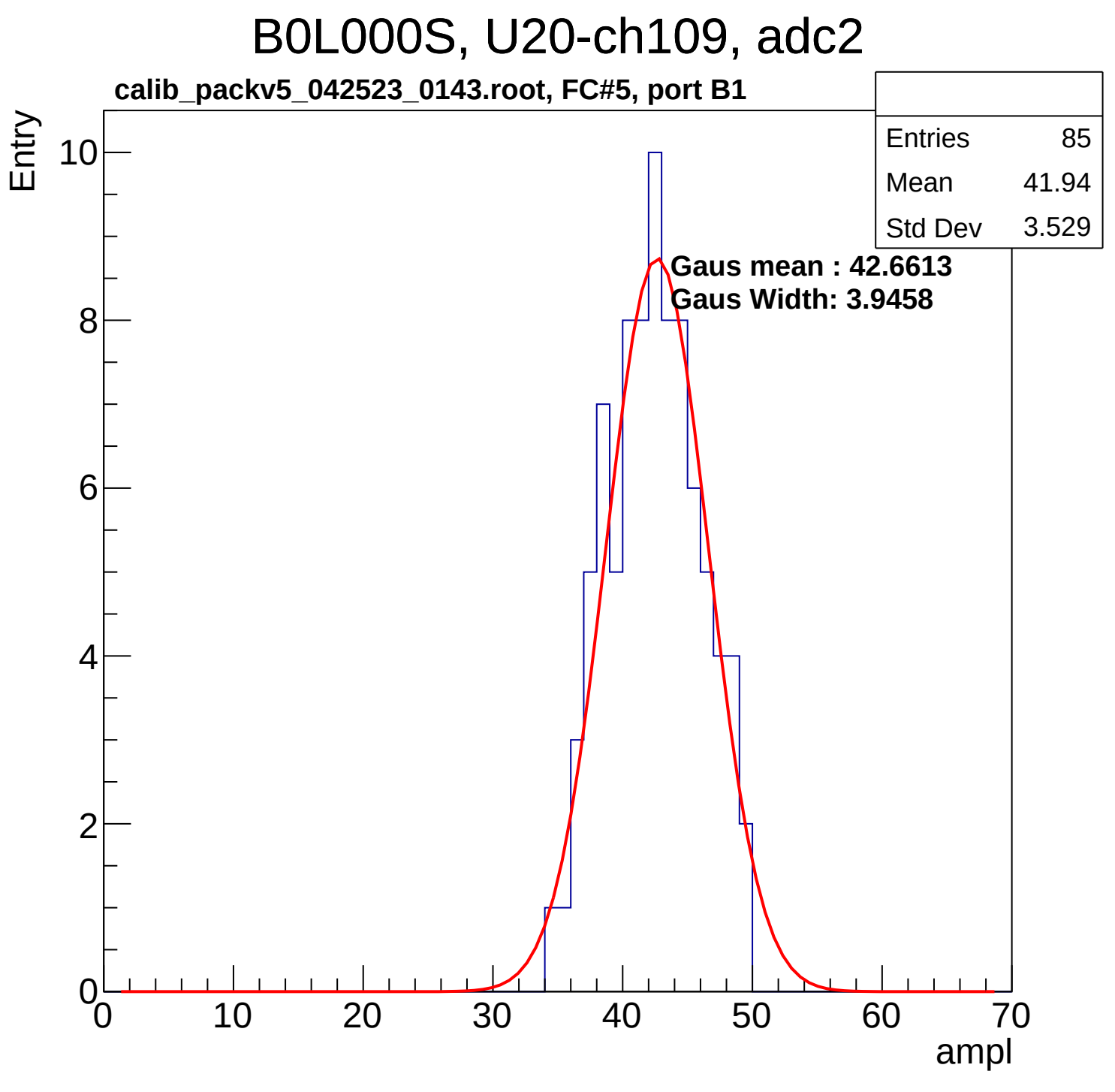
B0L000S, U20-ch109, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 85
Mean 41.94
Std Dev 3.529
Gaus mean : 42.6613
Gaus Width: 3.9458
Entry
ampl
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2
4
6
8
10
0
10
20
30
40
50
60
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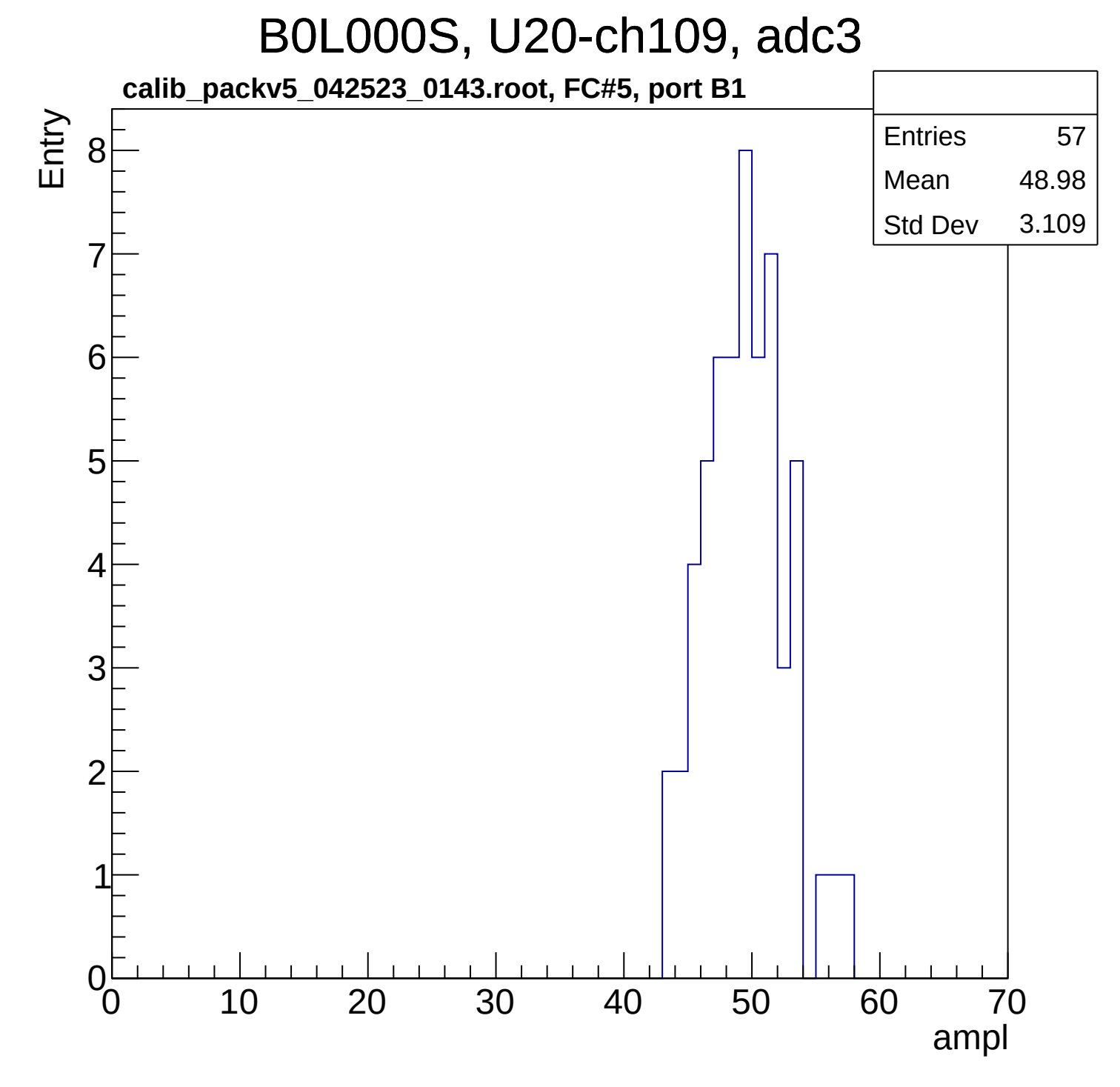
B0L000S, U20-ch109, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 48.98
Std Dev 3.109
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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60
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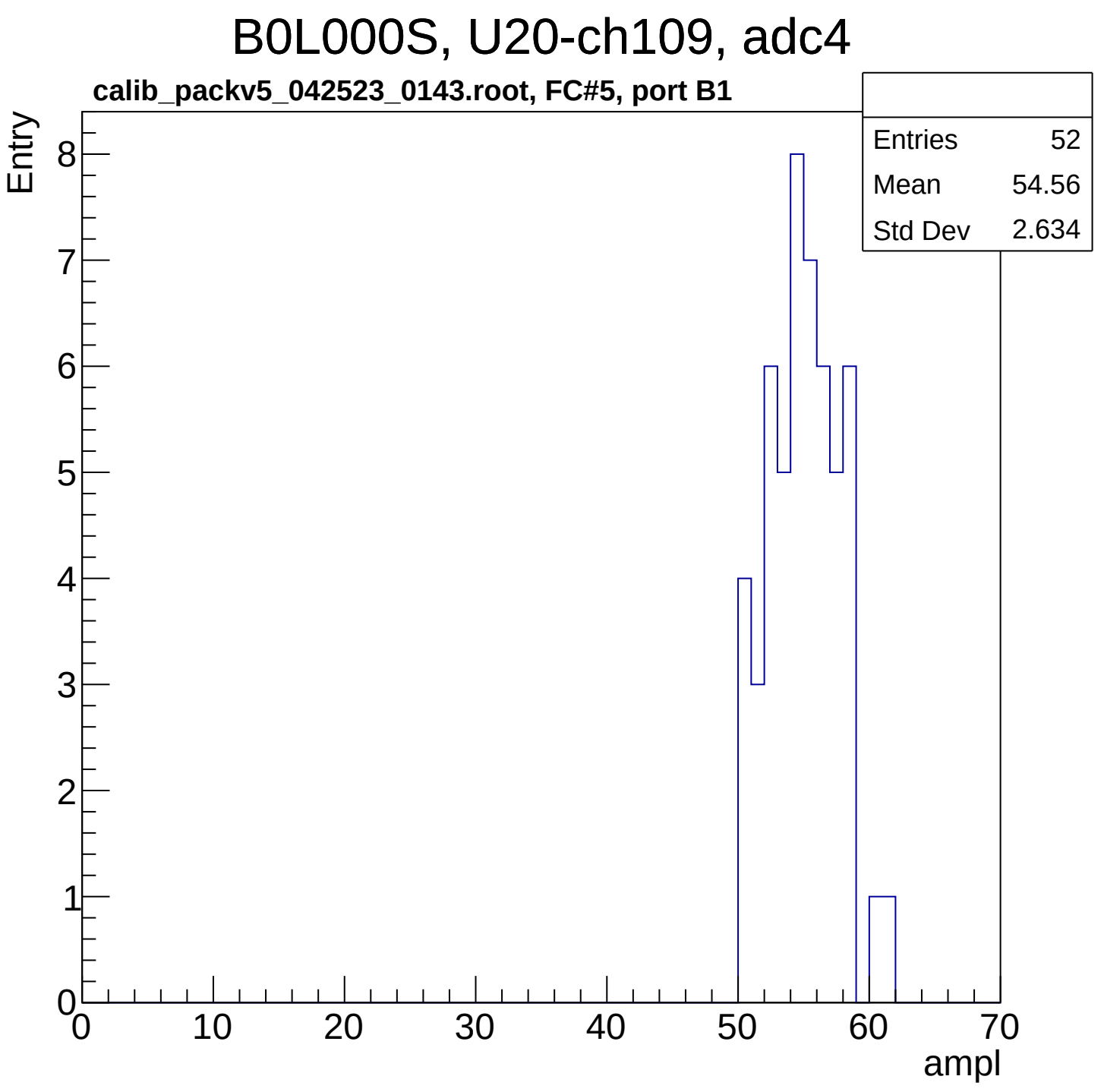
B0L000S, U20-ch109, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 54.56
Std Dev 2.634
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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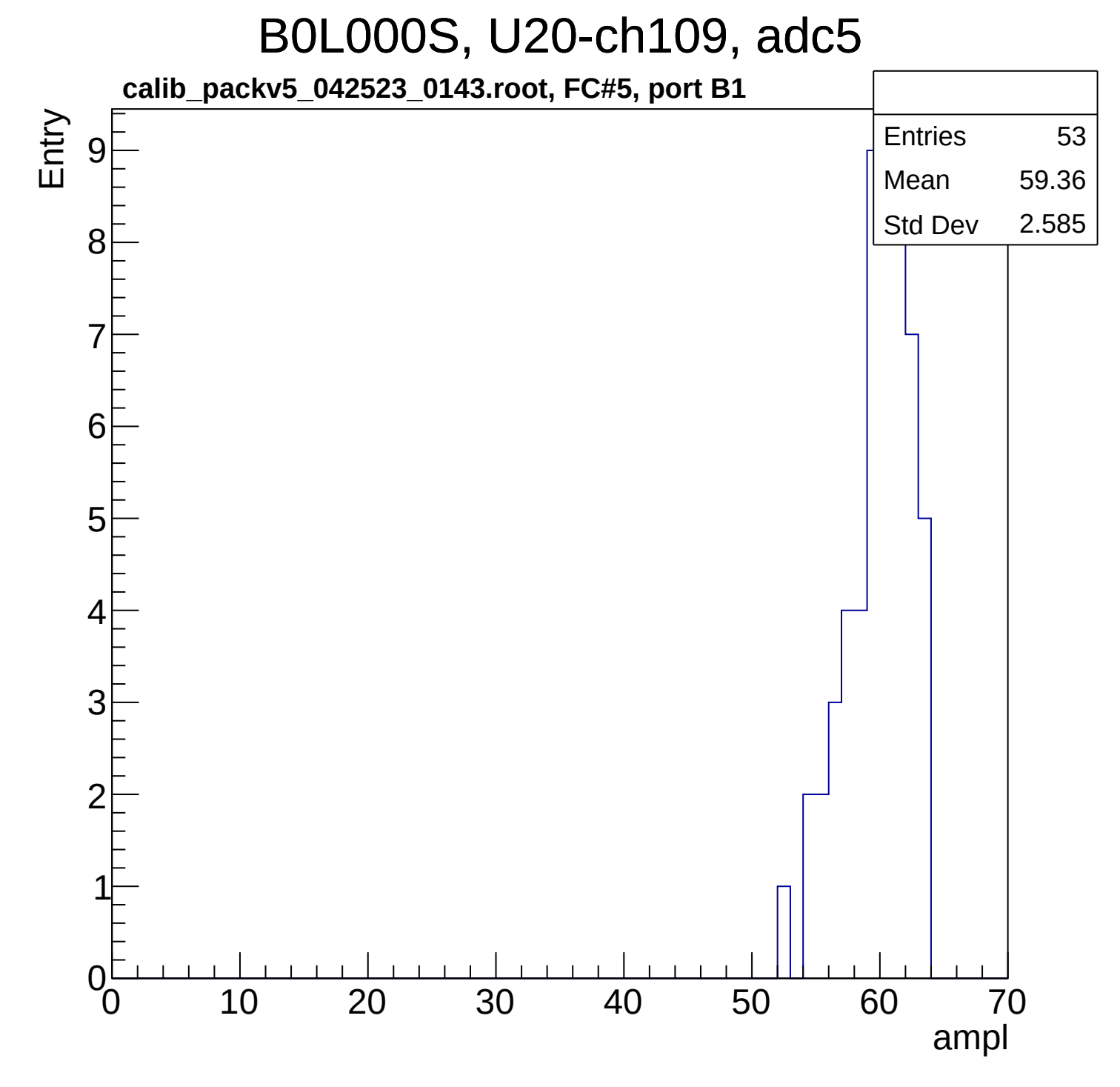
60
70


B0L000S, U20-ch109, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 59.36
Std Dev 2.585
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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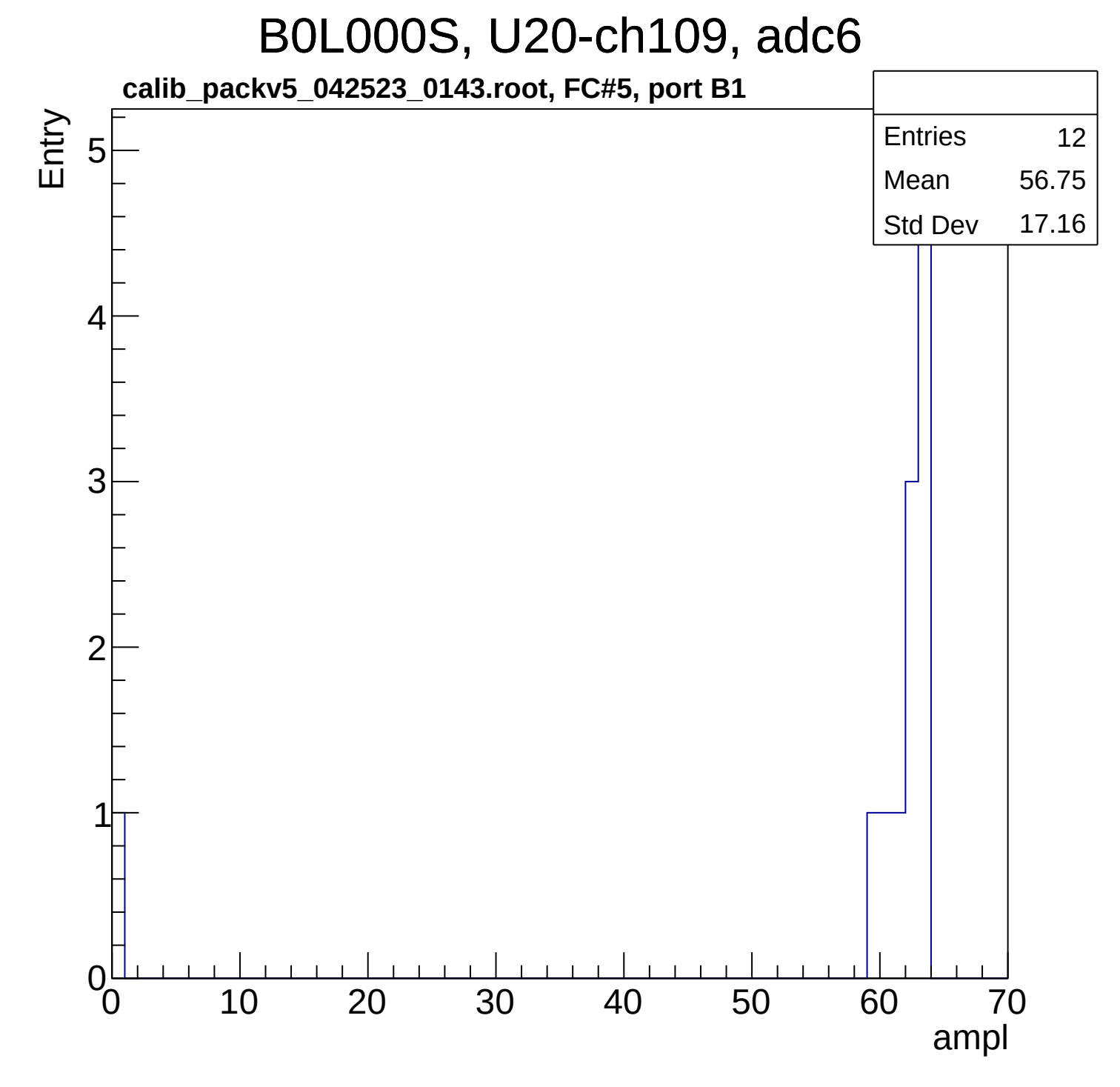
B0L000S, U20-ch109, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 12
Mean 56.75
Std Dev 17.16
Entry
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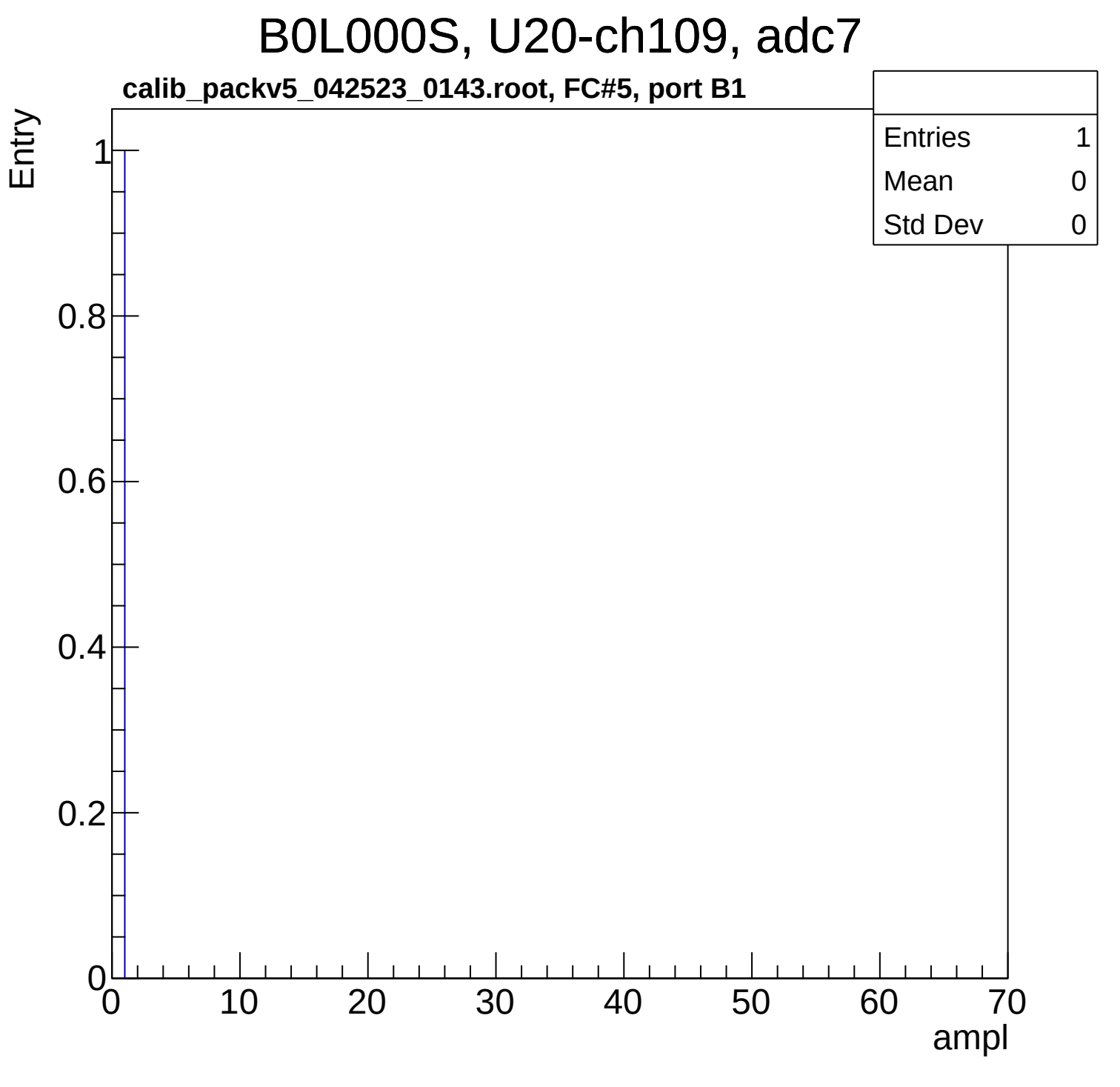
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch109, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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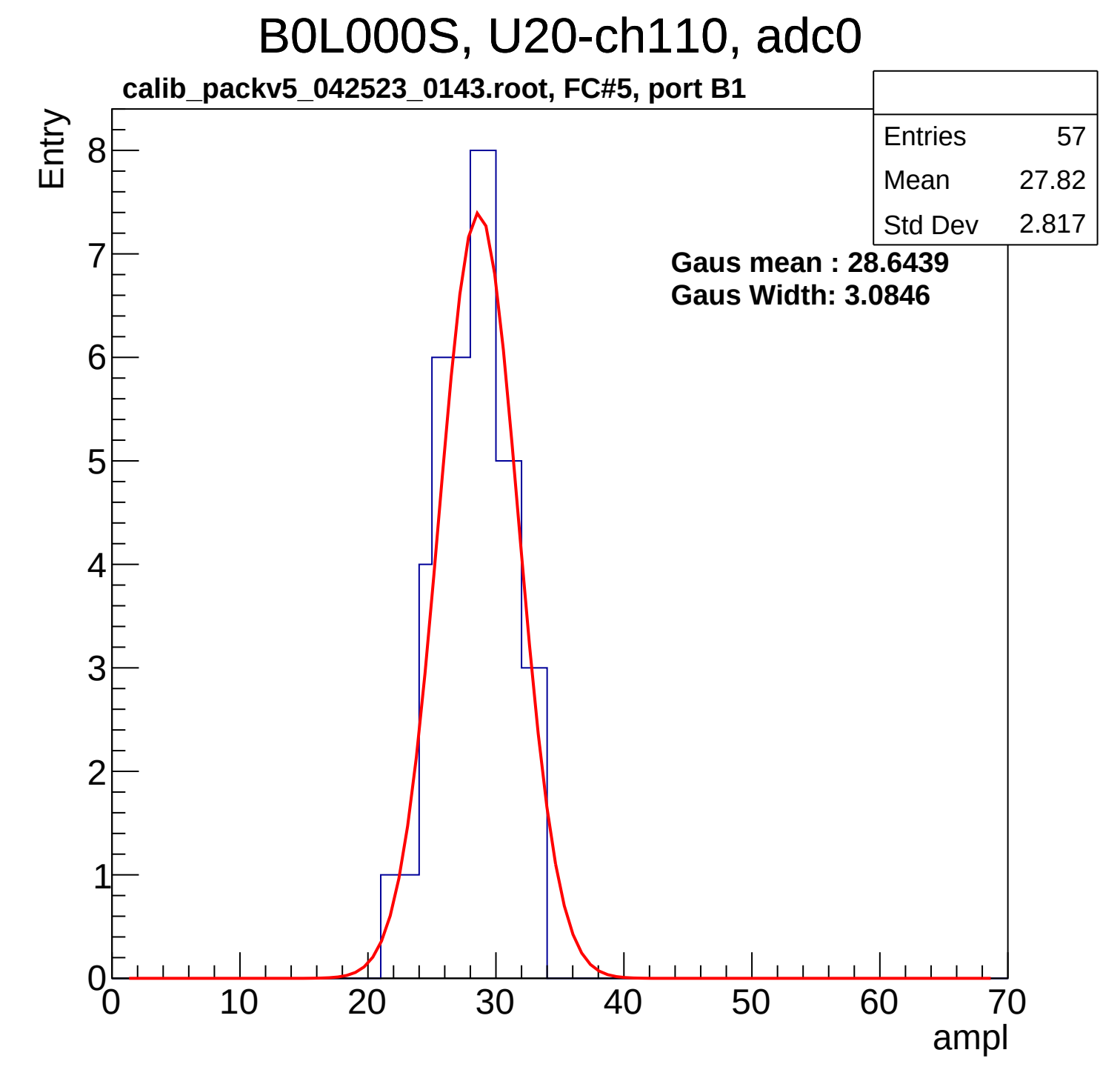
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch110, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 27.82
Std Dev 2.817
Gaus mean : 28.6439
Gaus Width: 3.0846
Entry
ampl
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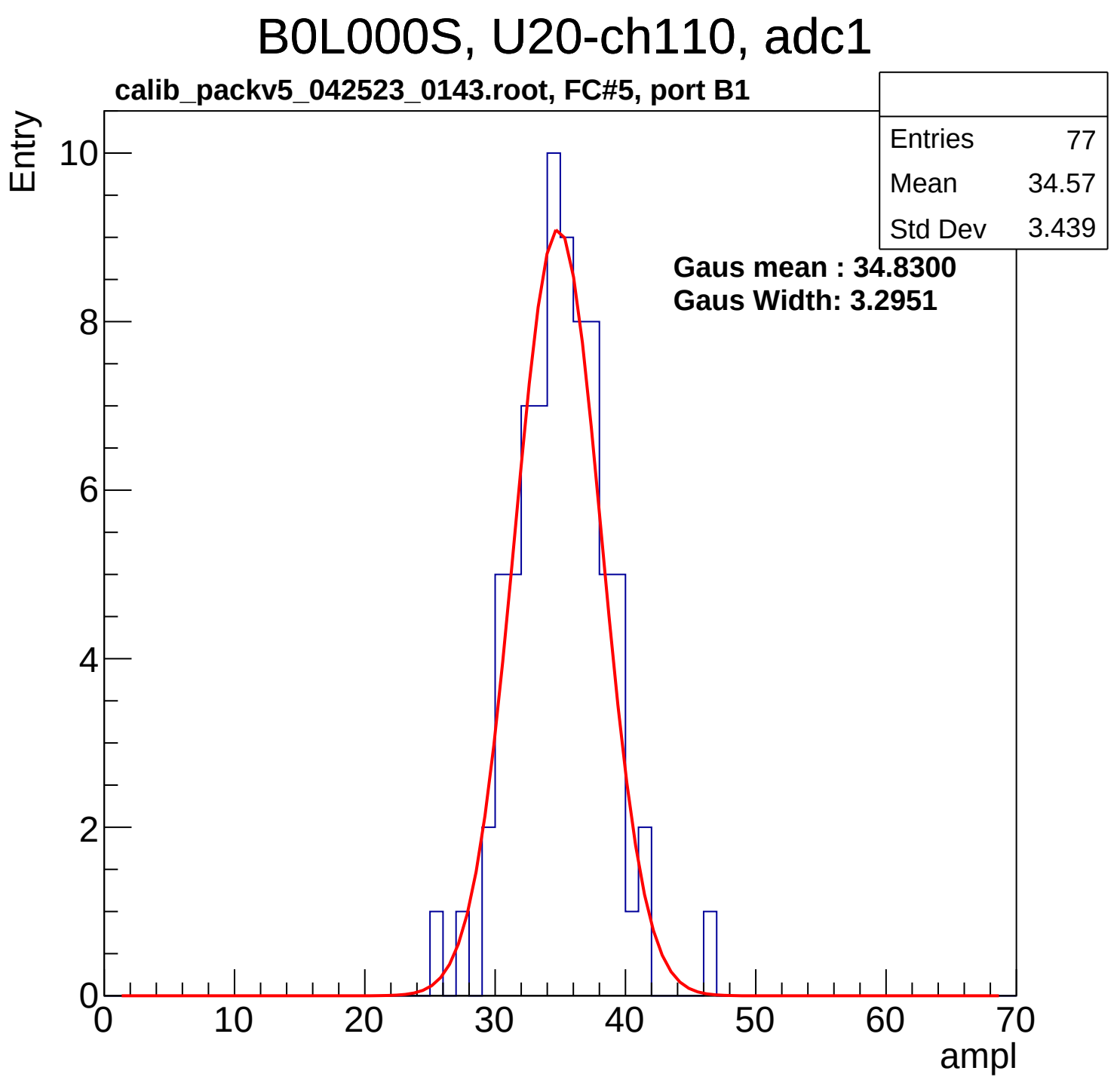
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch110, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 34.57
Std Dev 3.439
Gaus mean : 34.8300
Gaus Width: 3.2951
Entry
ampl
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4
6
8
10
0
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20
30
40
50
60
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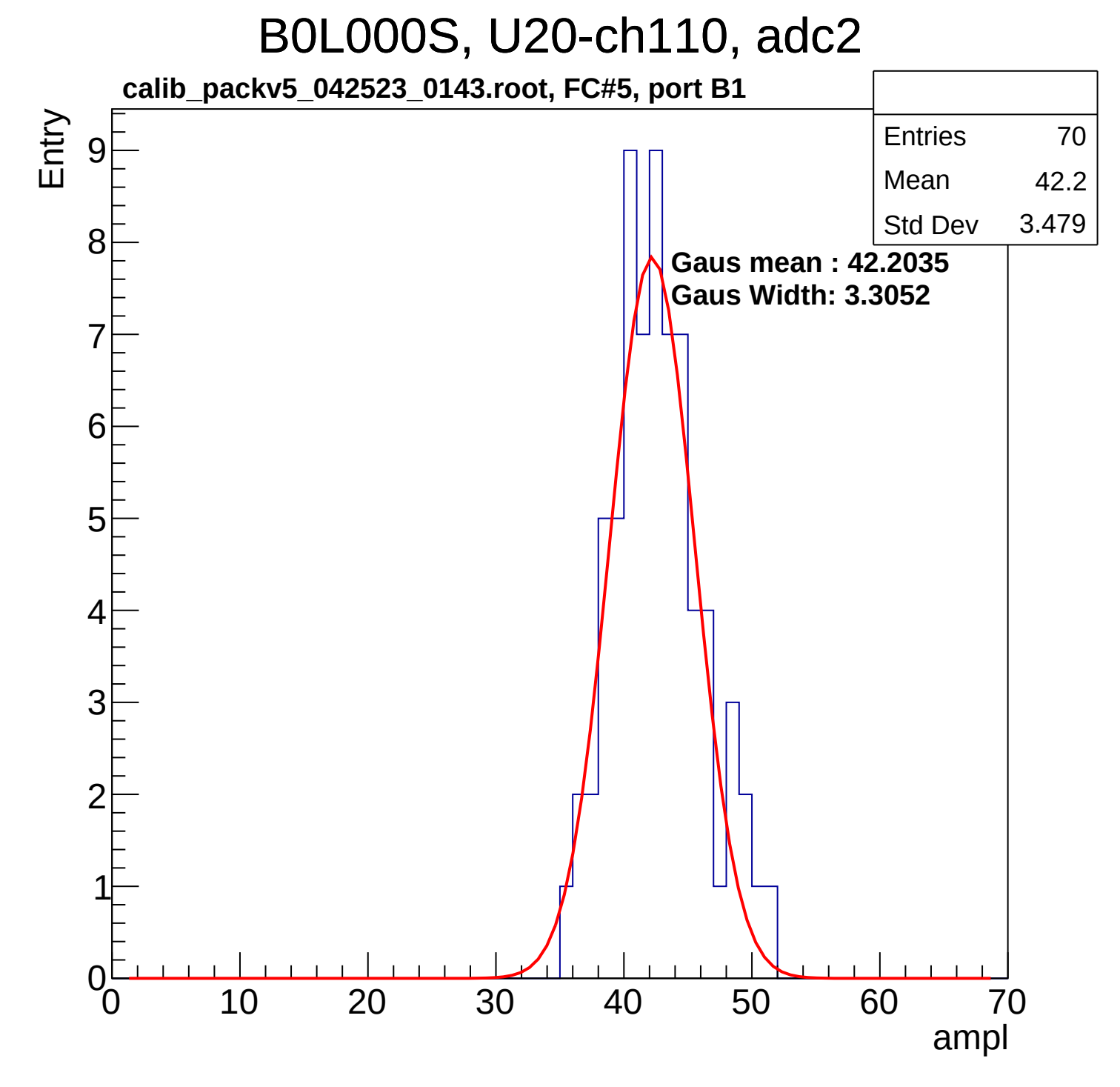
B0L000S, U20-ch110, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 42.2
Std Dev 3.479
Gaus mean : 42.2035
Gaus Width: 3.3052
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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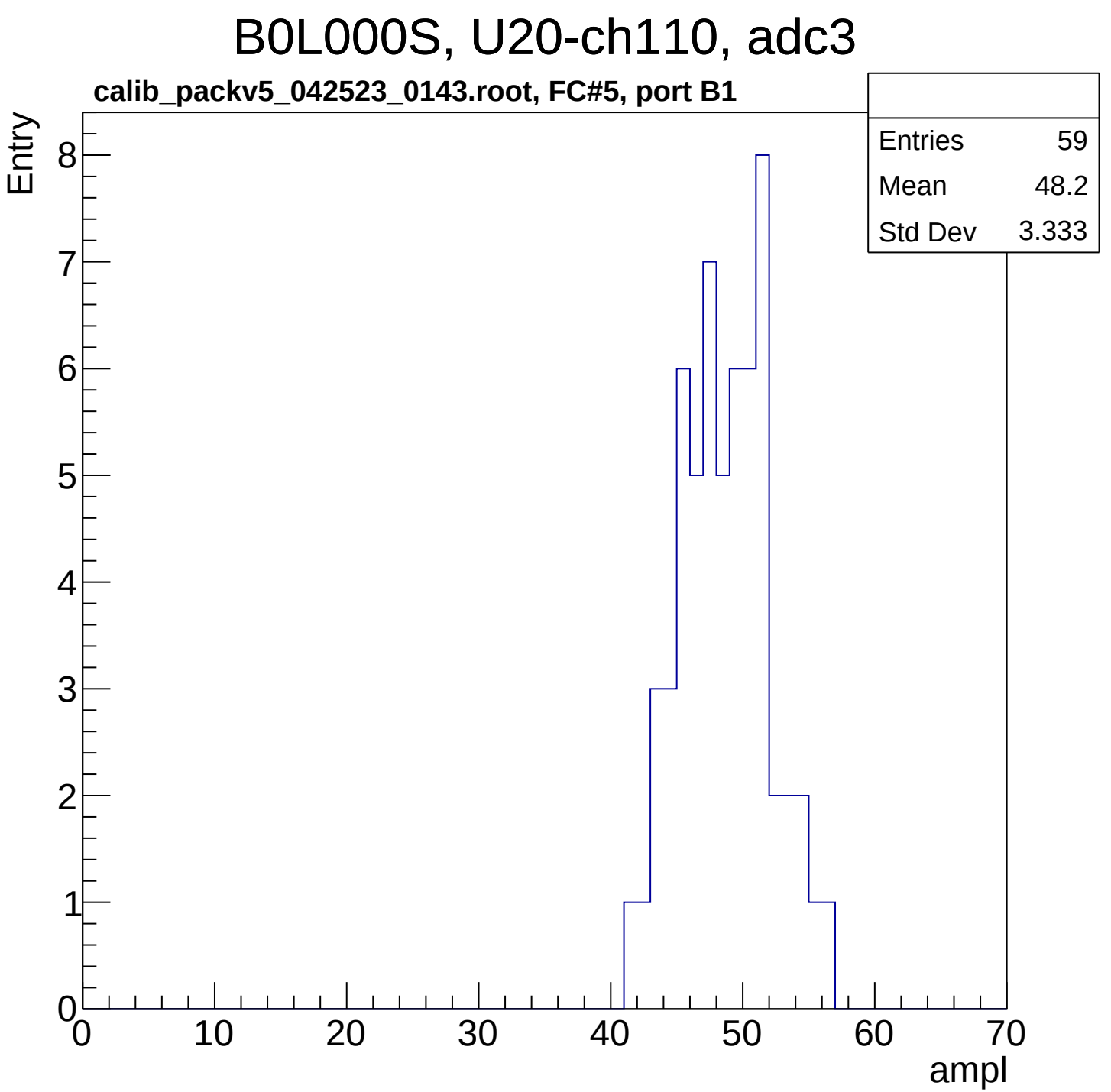
B0L000S, U20-ch110, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 48.2
Std Dev 3.333
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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60
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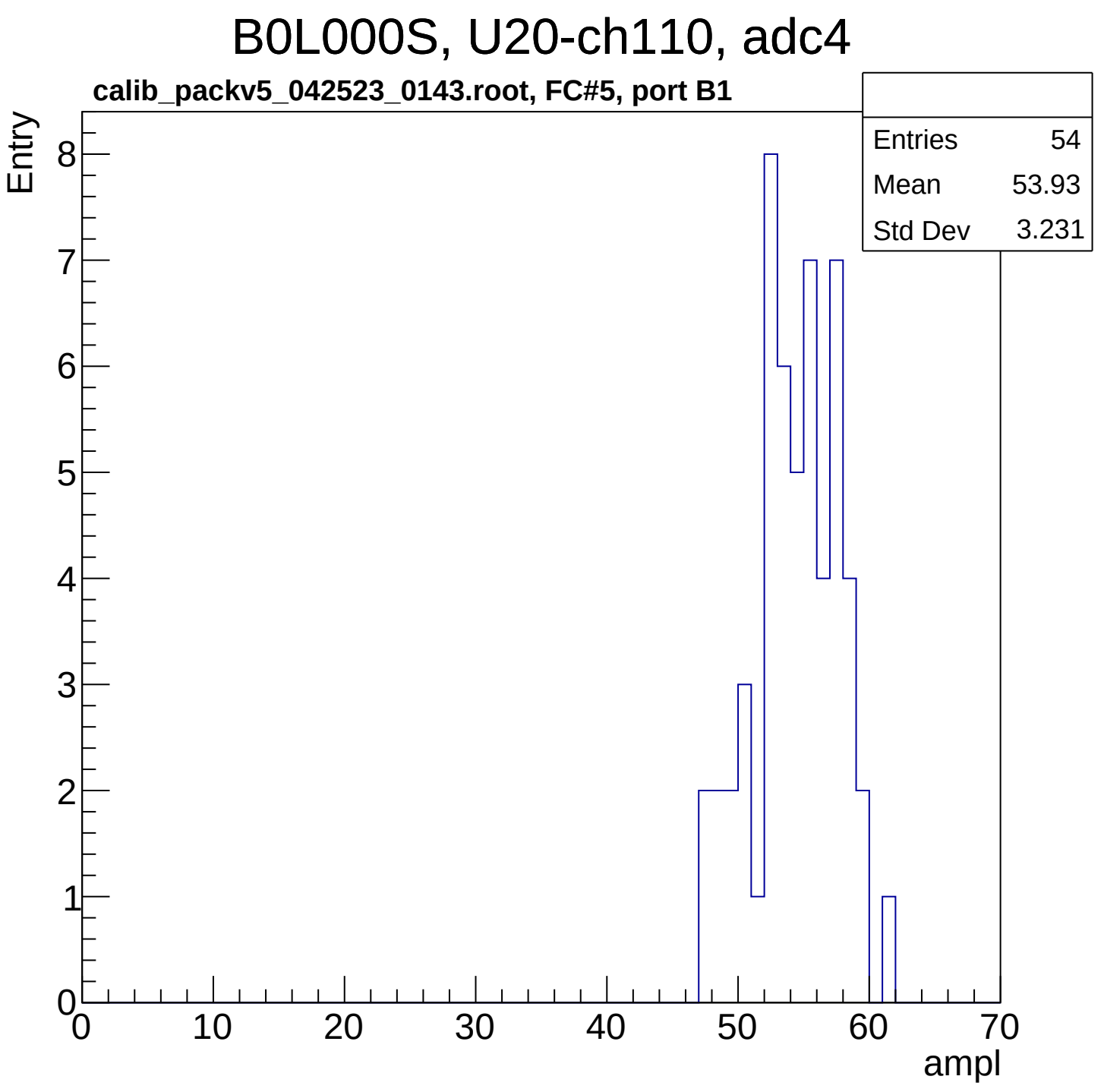
B0L000S, U20-ch110, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 53.93
Std Dev 3.231
Entry
ampl
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3
4
5
6
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0
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40
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60
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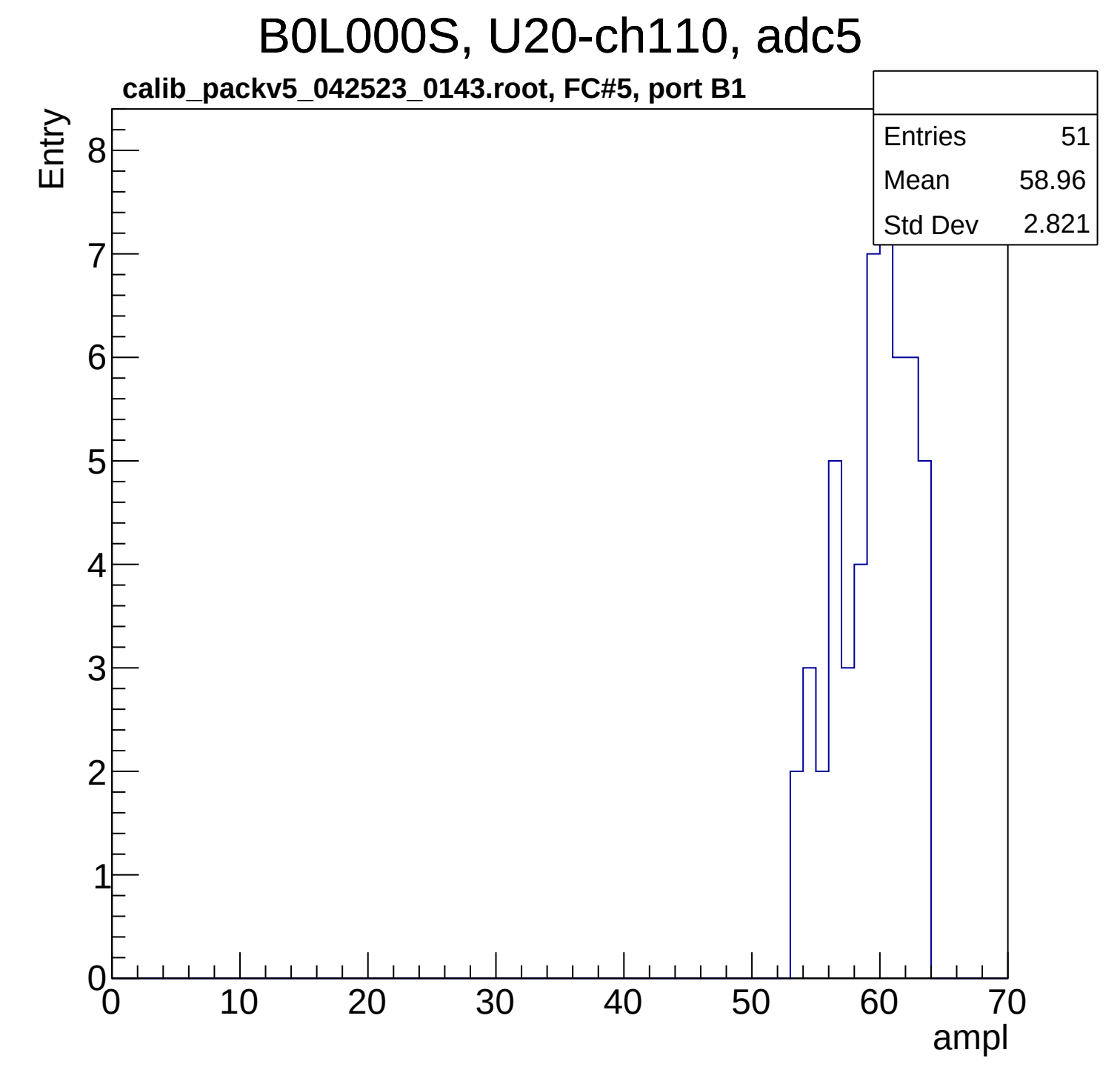
B0L000S, U20-ch110, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 58.96
Std Dev 2.821
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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60
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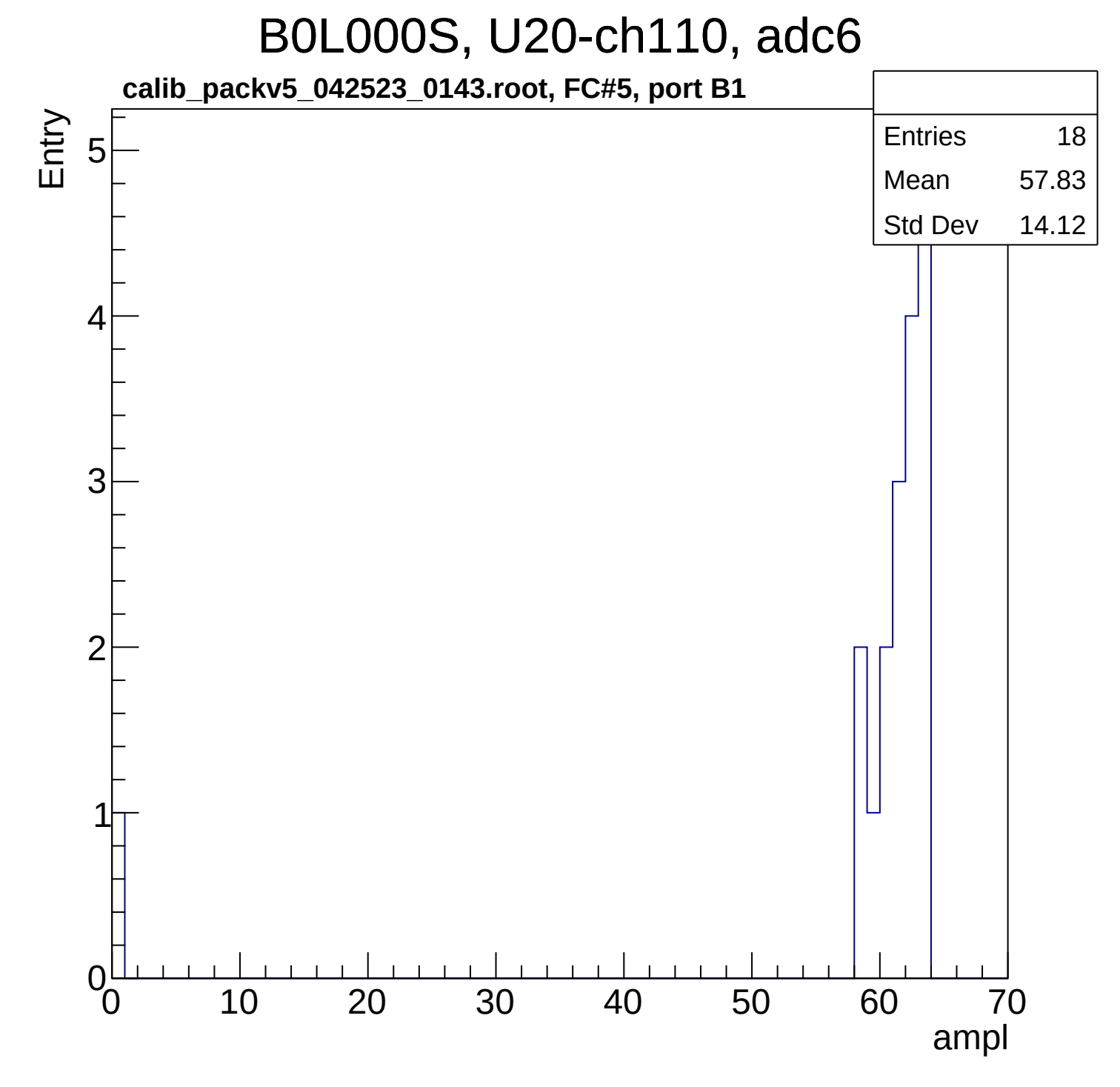
B0L000S, U20-ch110, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 18
Mean 57.83
Std Dev 14.12
Entry
ampl
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4
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0
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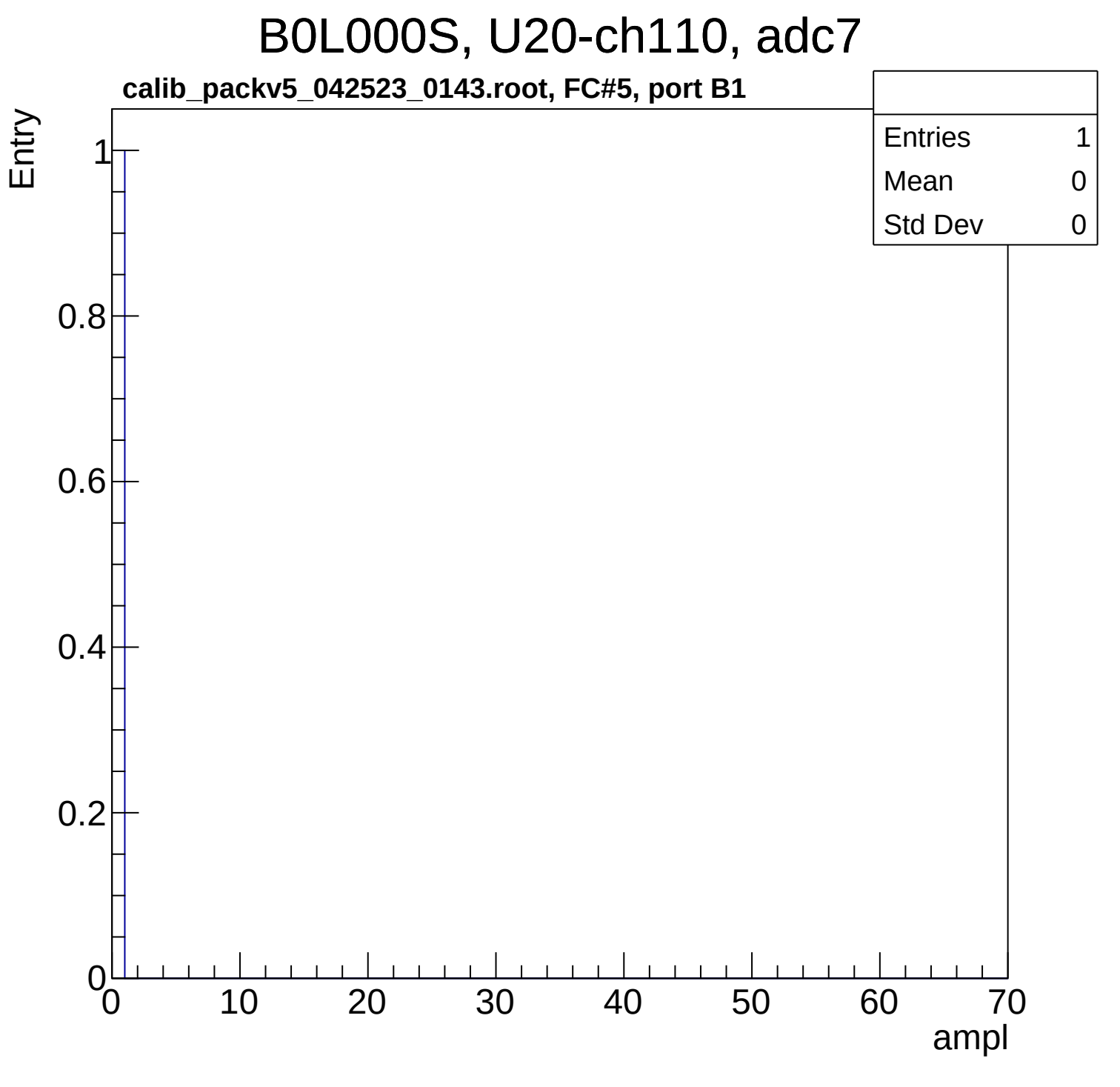
40
50
60
70


B0L000S, U20-ch110, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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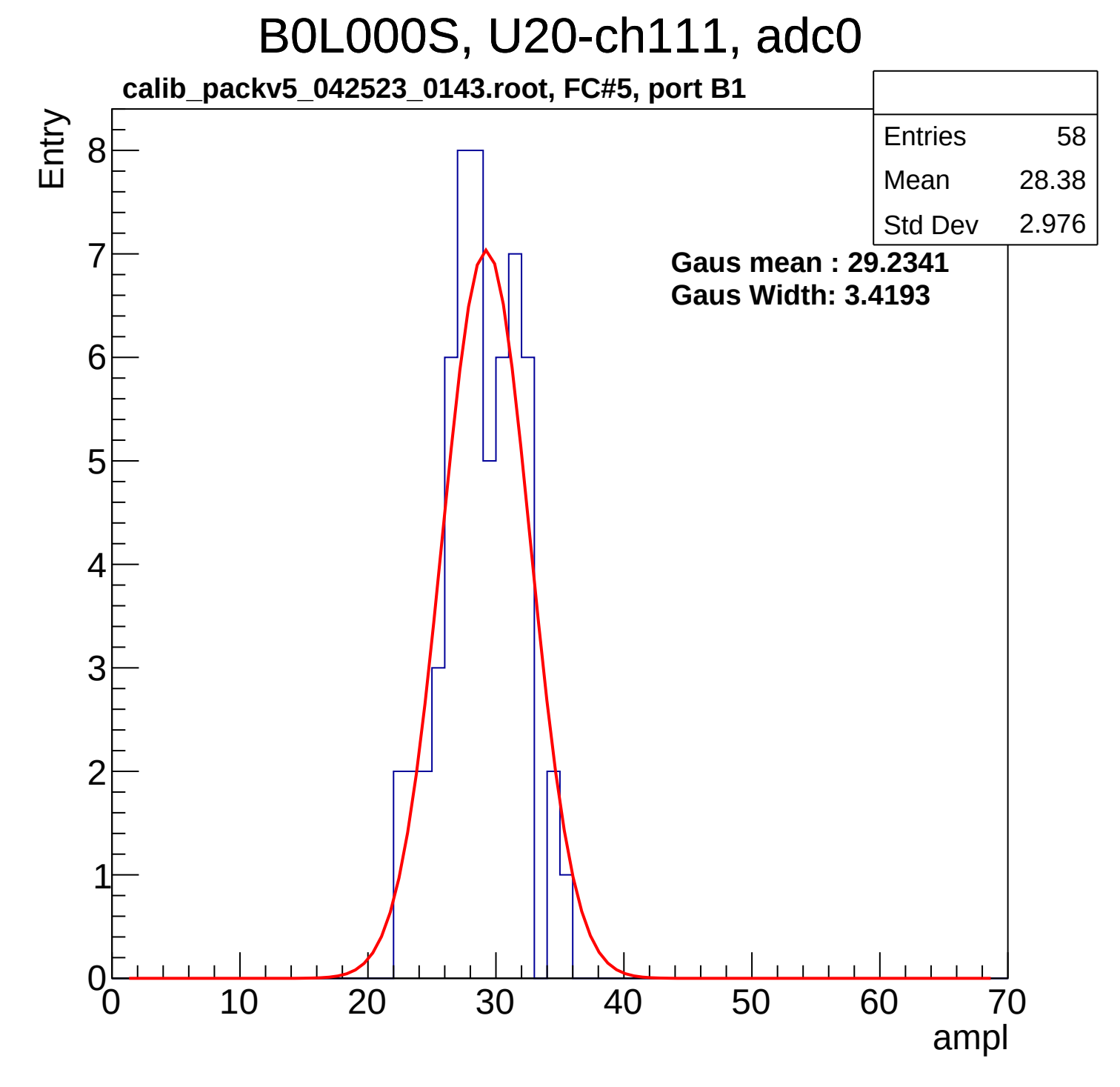
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch111, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 28.38
Std Dev 2.976
Gaus mean : 29.2341
Gaus Width: 3.4193
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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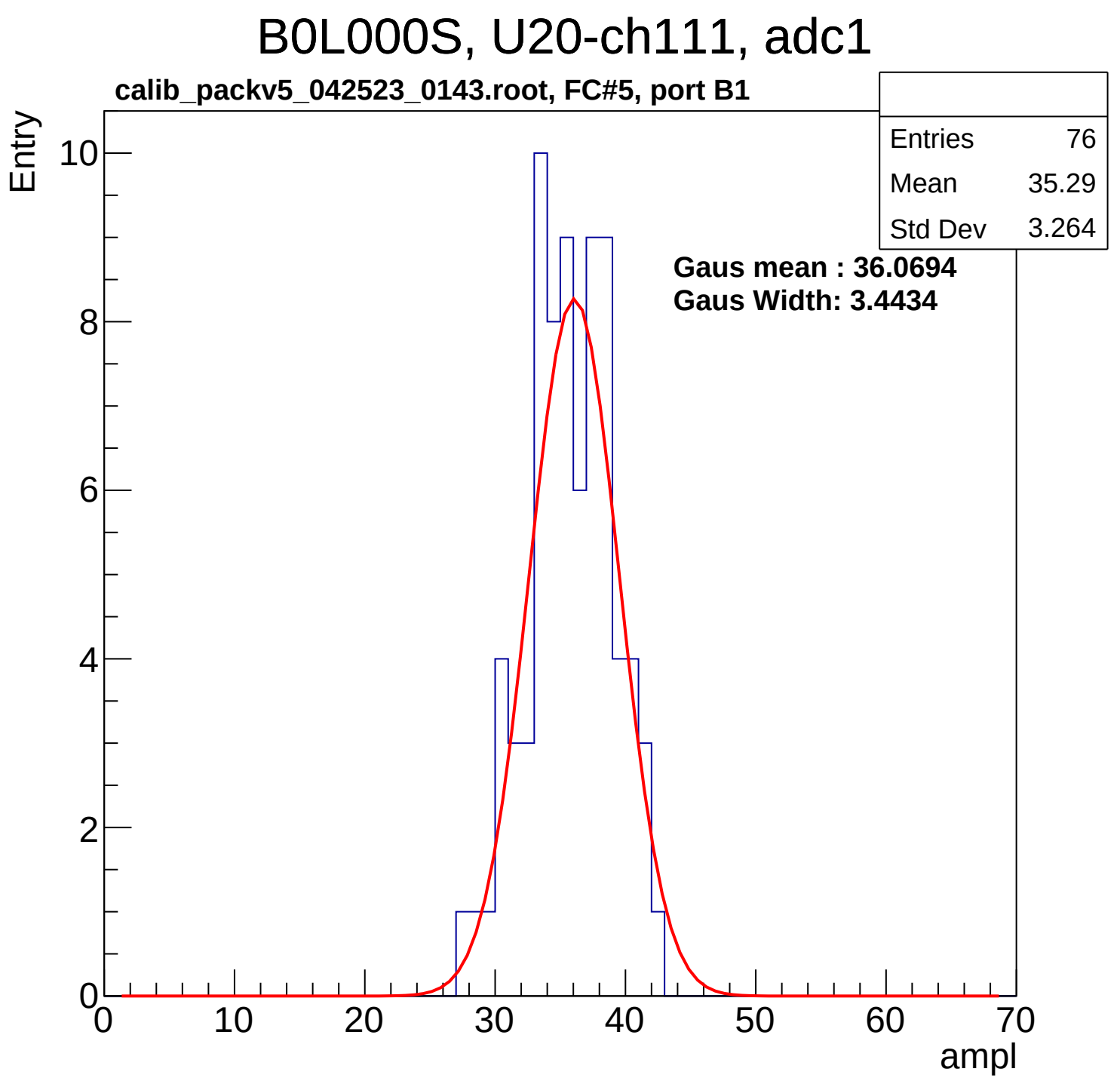
40
50
60
70


B0L000S, U20-ch111, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 35.29
Std Dev 3.264
Gaus mean : 36.0694
Gaus Width: 3.4434
Entry
ampl
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2
4
6
8
10
0
10
20
30
40
50
60
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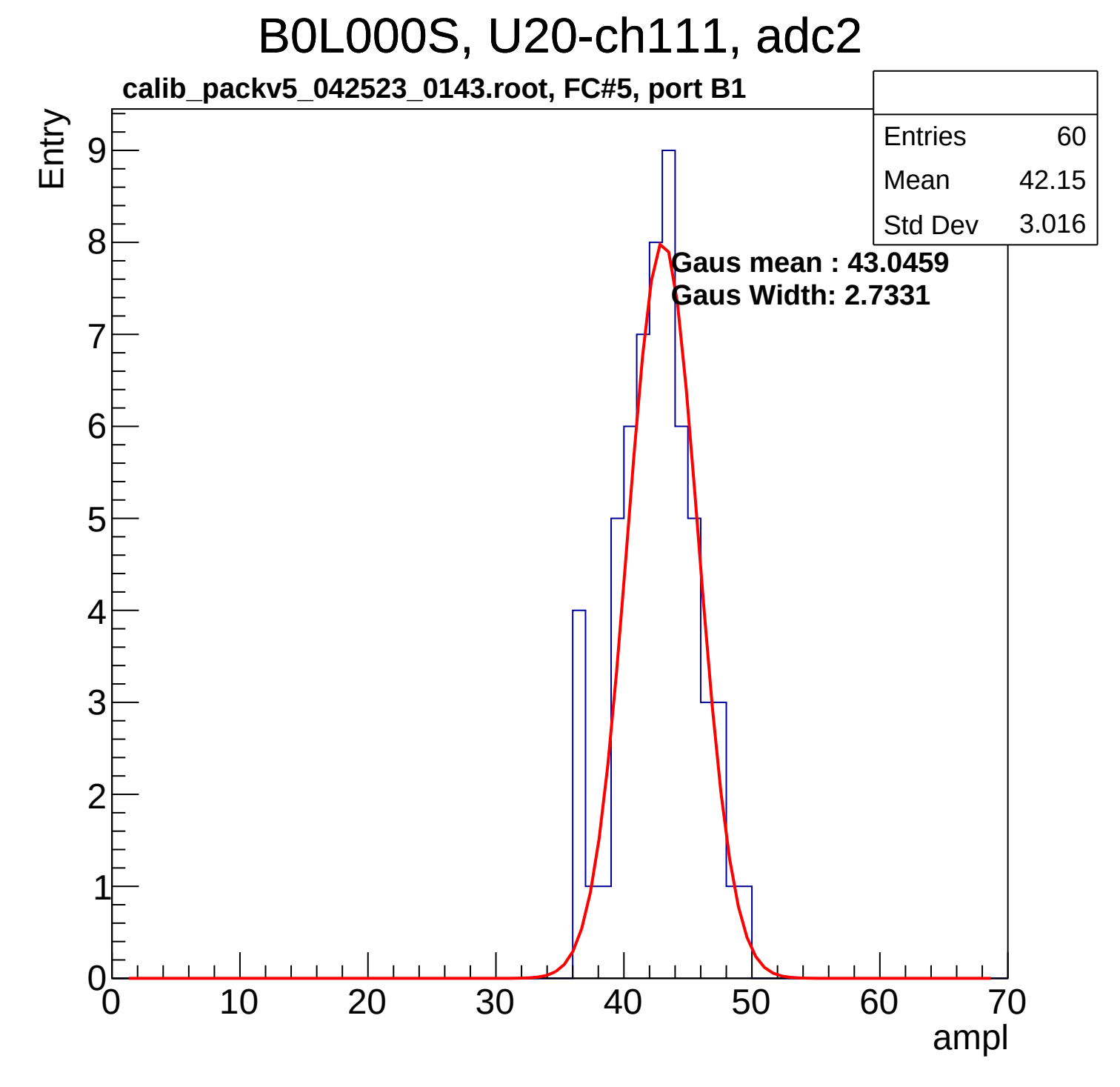
B0L000S, U20-ch111, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 42.15
Std Dev 3.016
Gaus mean : 43.0459
Gaus Width: 2.7331
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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60
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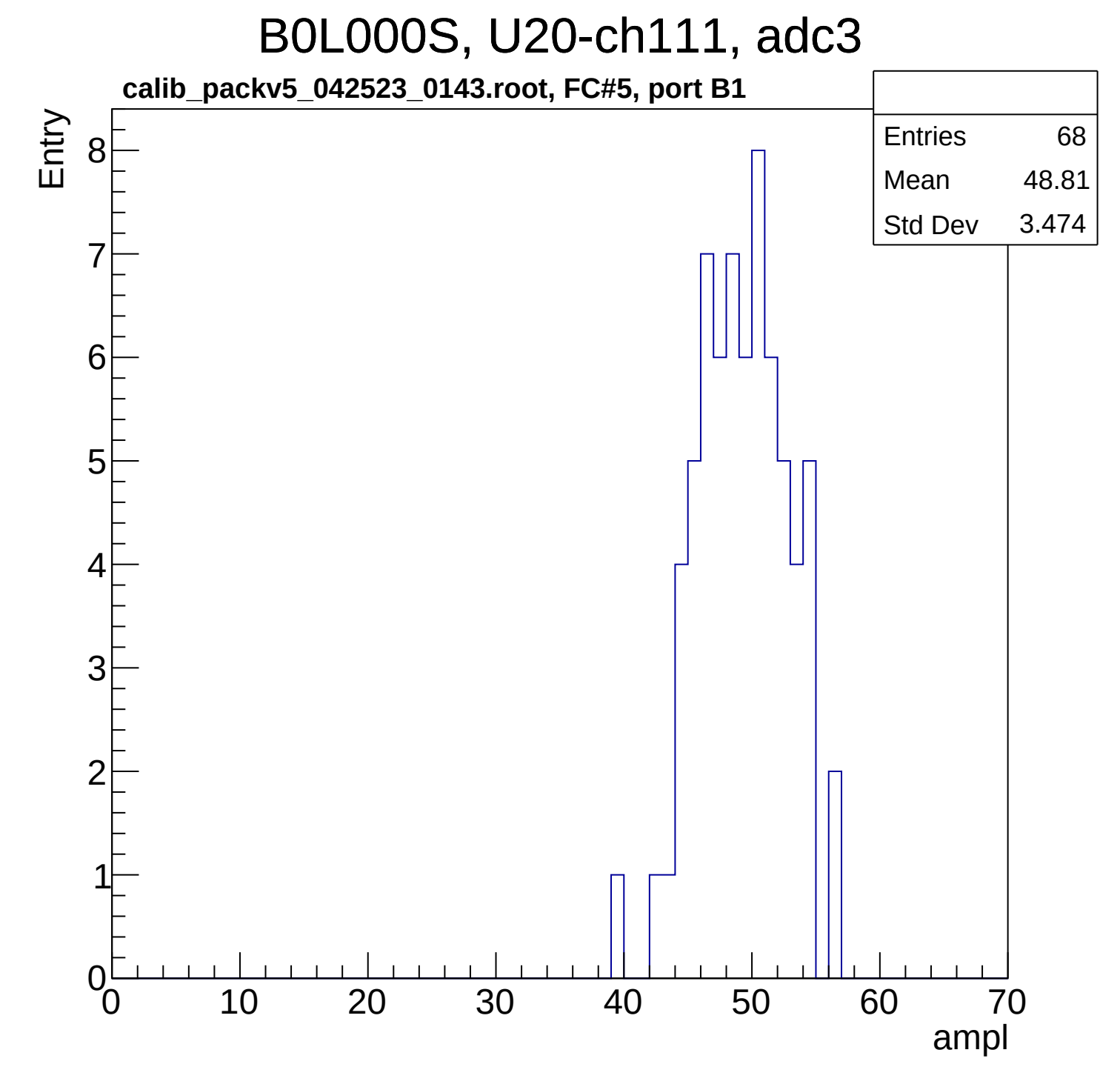
B0L000S, U20-ch111, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 68
Mean 48.81
Std Dev 3.474
Entry
ampl
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3
4
5
6
7
8
0
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20
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40
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60
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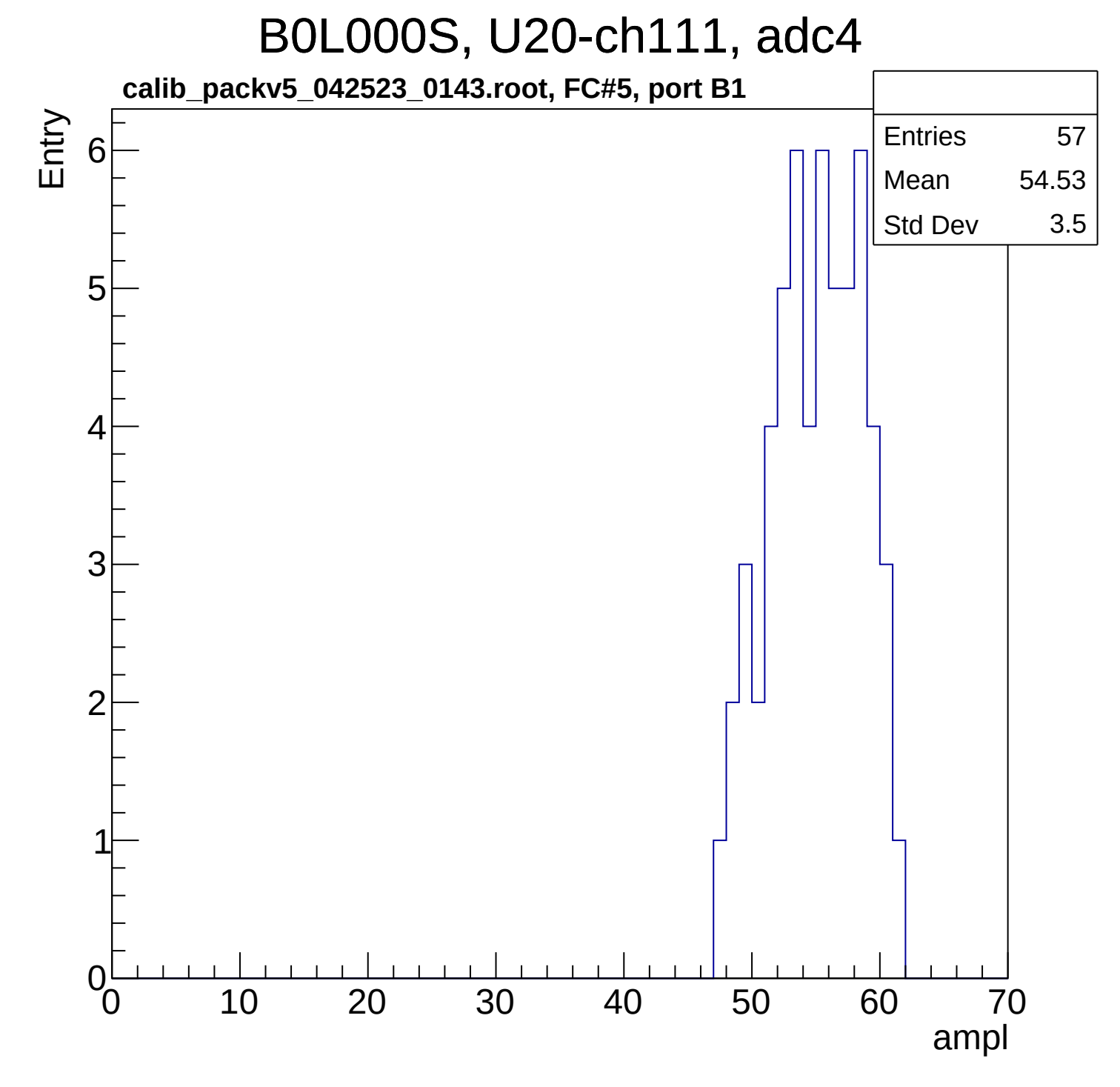
B0L000S, U20-ch111, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 54.53
Std Dev 3.5
Entry
ampl
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3
4
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0
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40
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60
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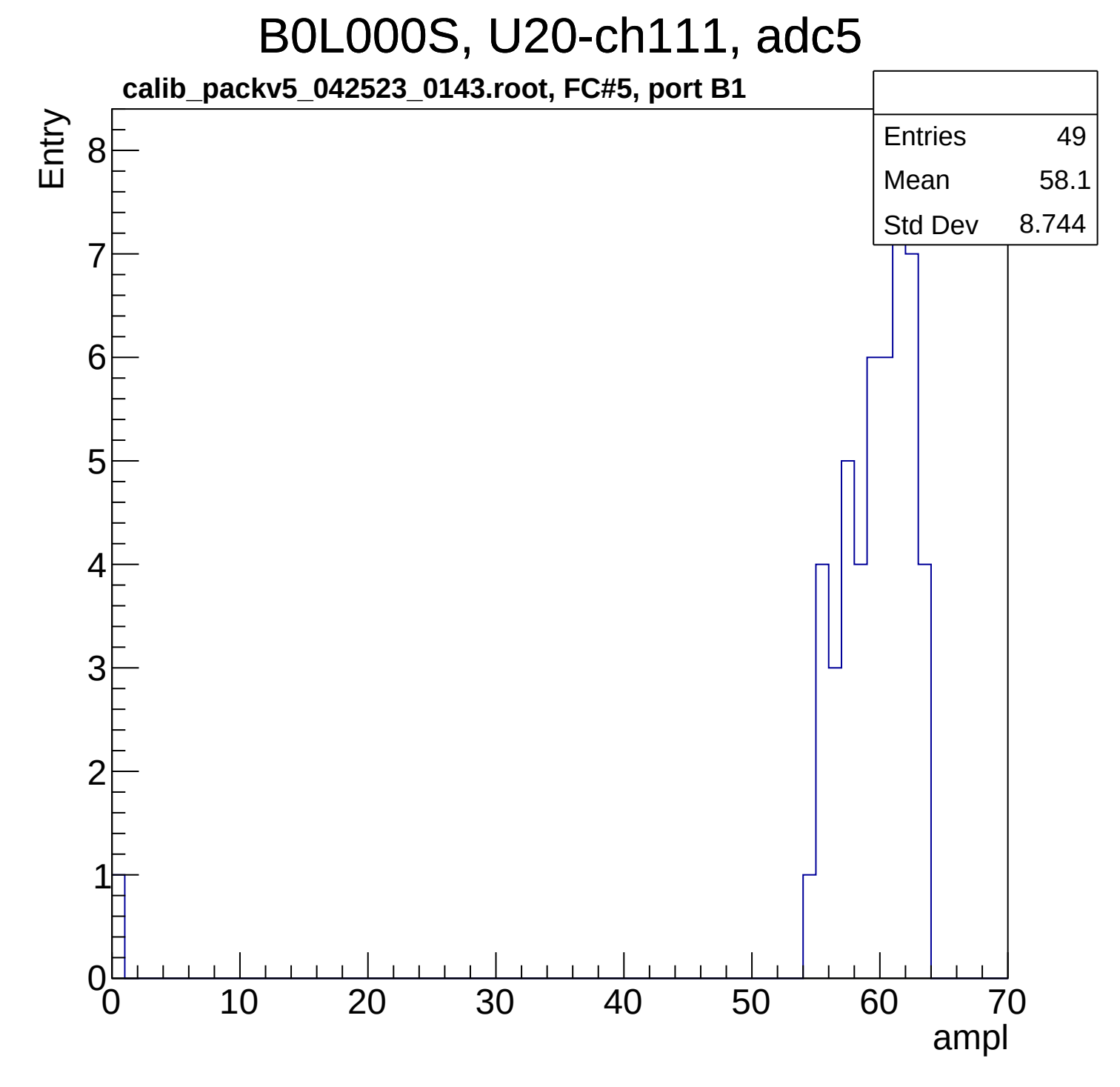
B0L000S, U20-ch111, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.1
Std Dev 8.744
Entry
ampl
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3
4
5
6
7
8
0
10
20
30
40
50
60
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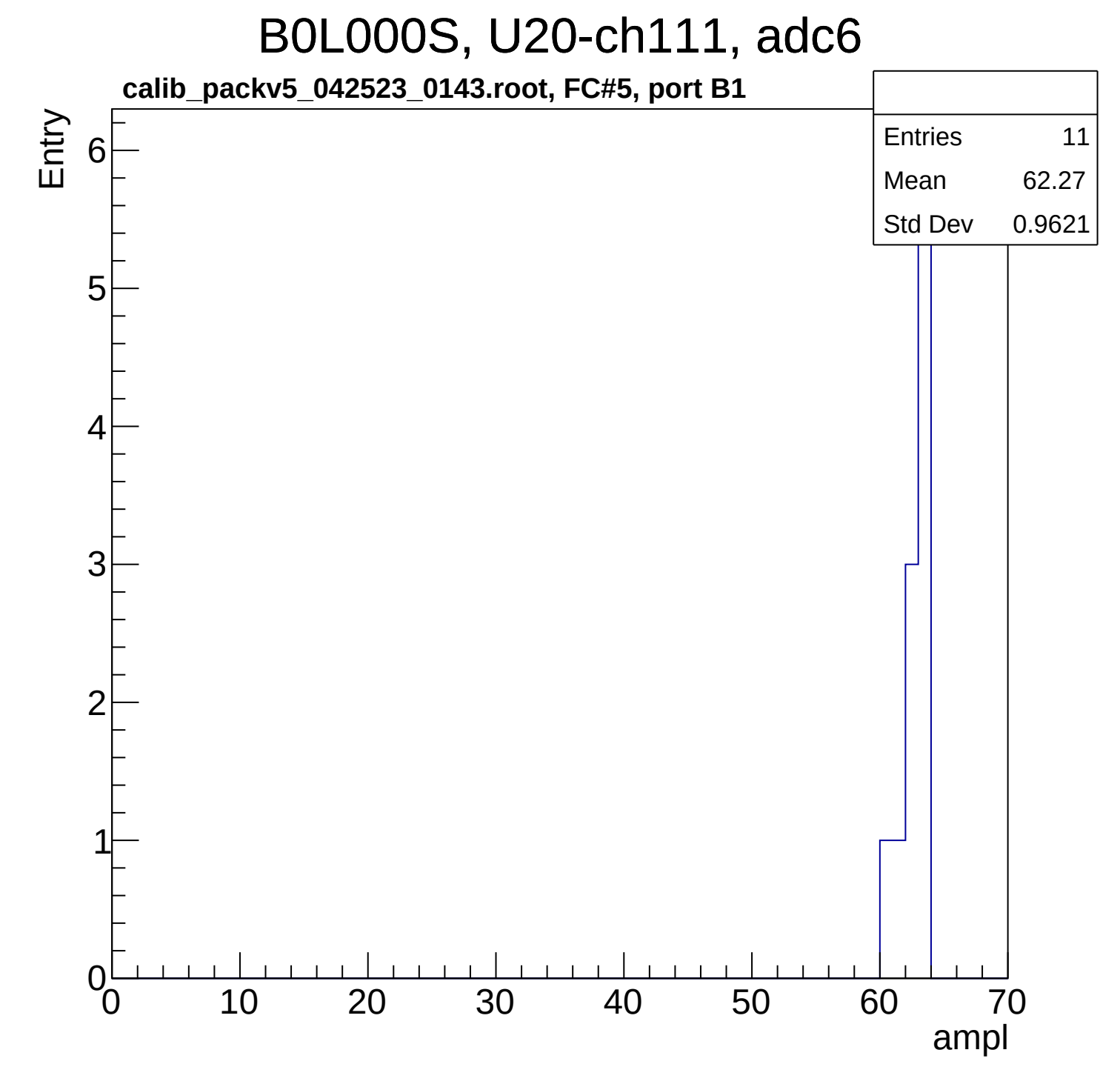
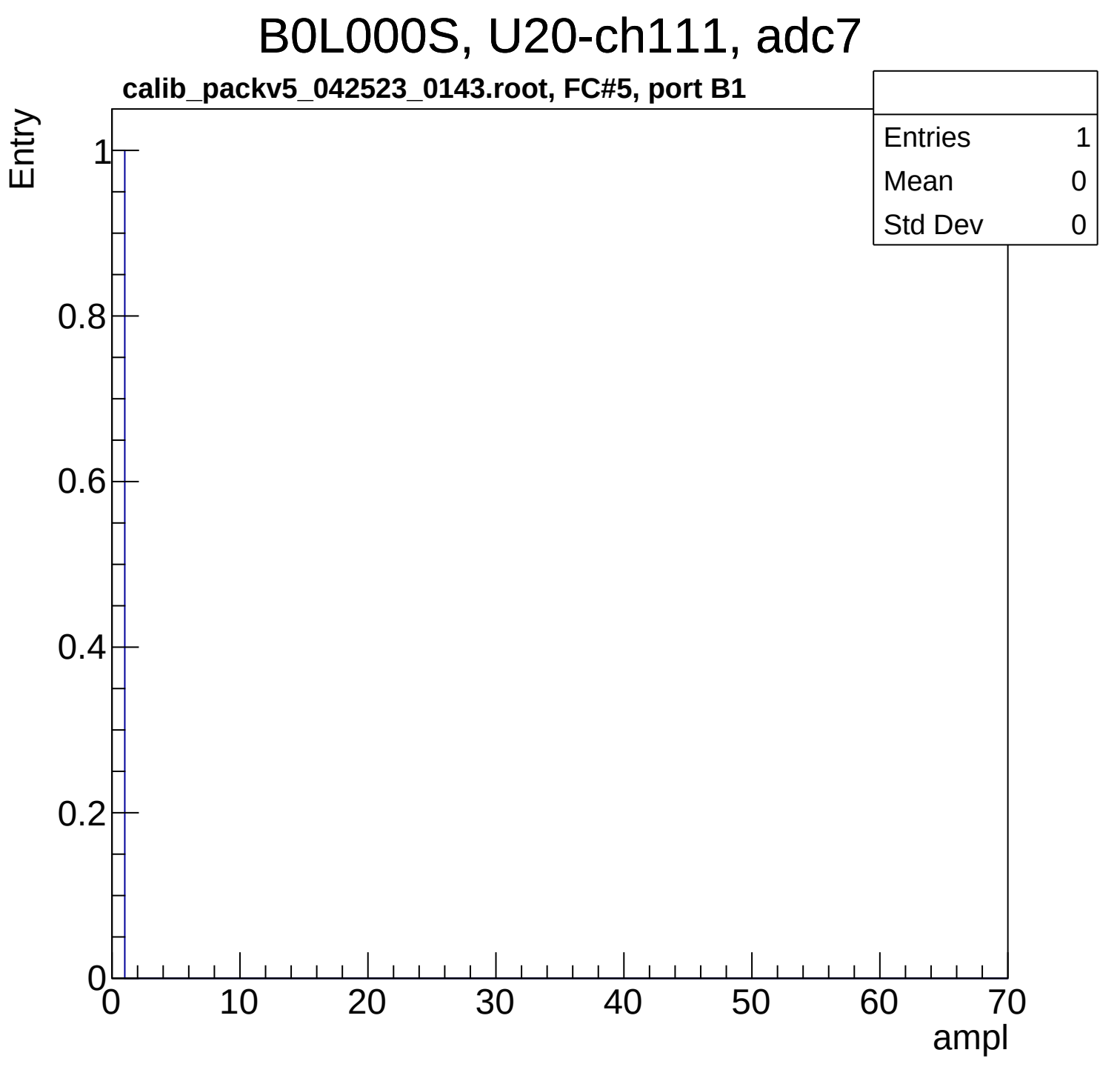

B0L000S, U20-ch111, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 62.27
Std Dev 0.9621
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch111, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
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10
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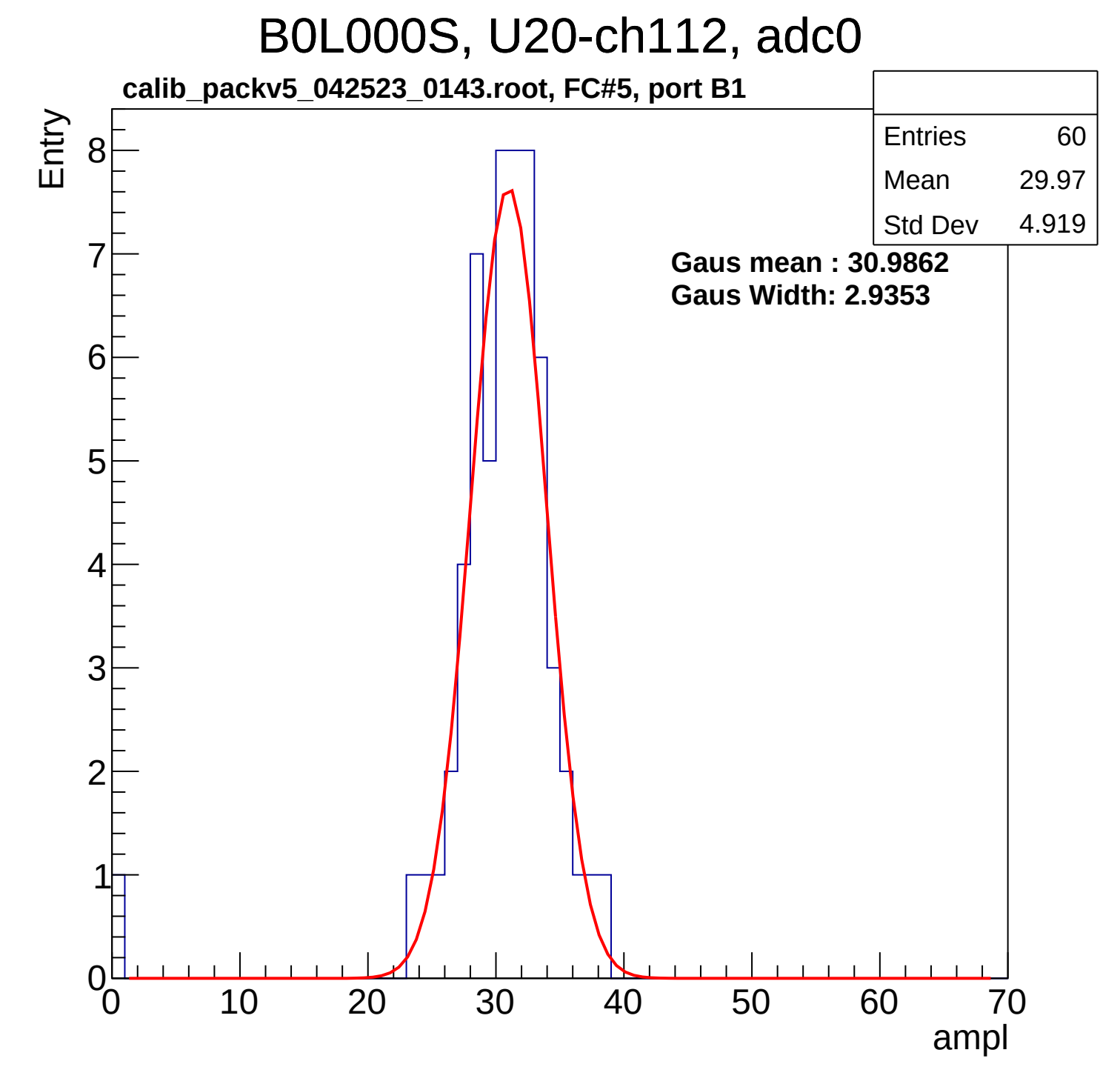
50
60
70
ampl


B0L000S, U20-ch112, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 29.97
Std Dev 4.919
Gaus mean : 30.9862
Gaus Width: 2.9353
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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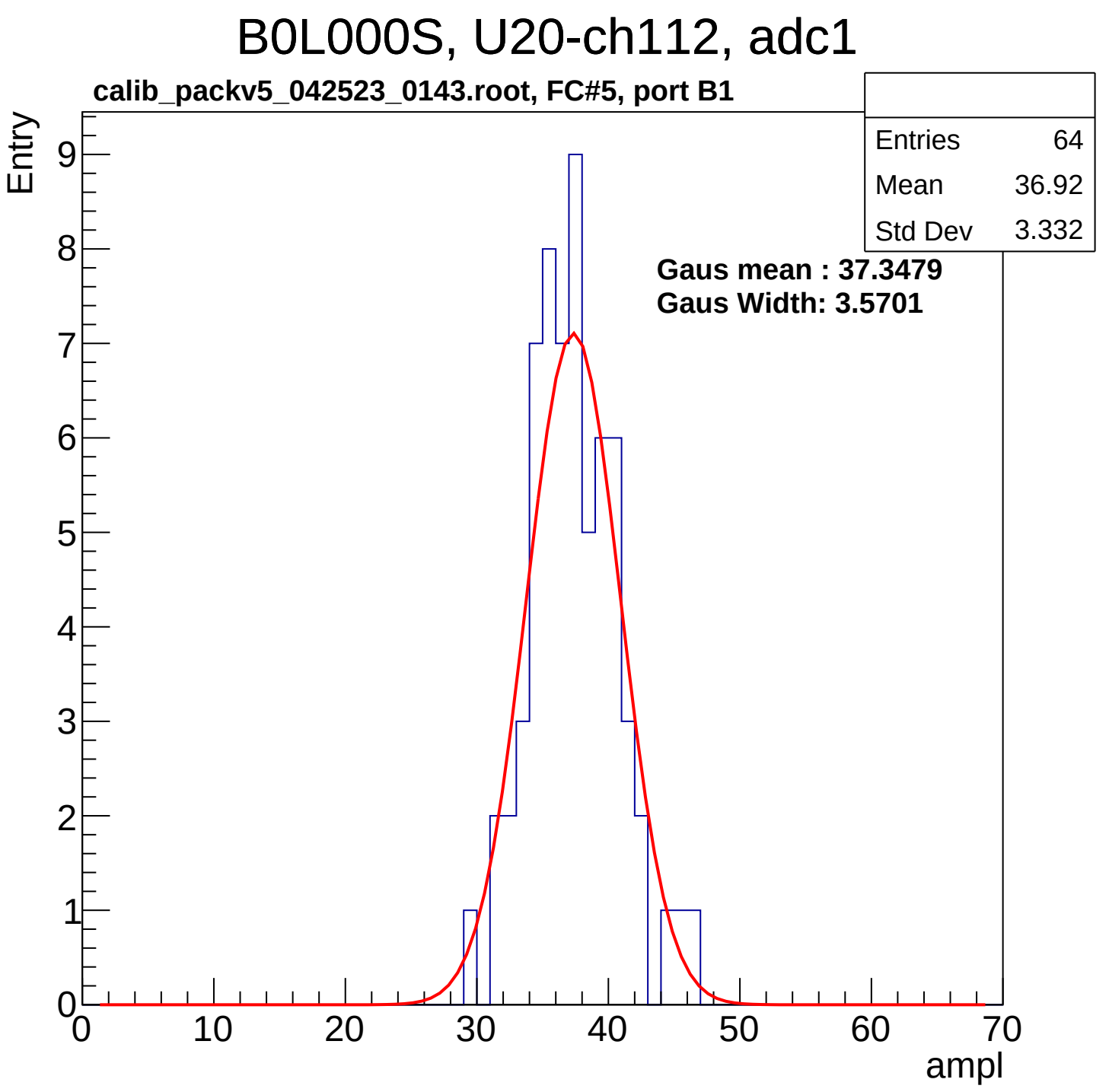
B0L000S, U20-ch112, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 36.92
Std Dev 3.332
Gaus mean : 37.3479
Gaus Width: 3.5701
Entry
ampl
0
10
20
30
40
50
60
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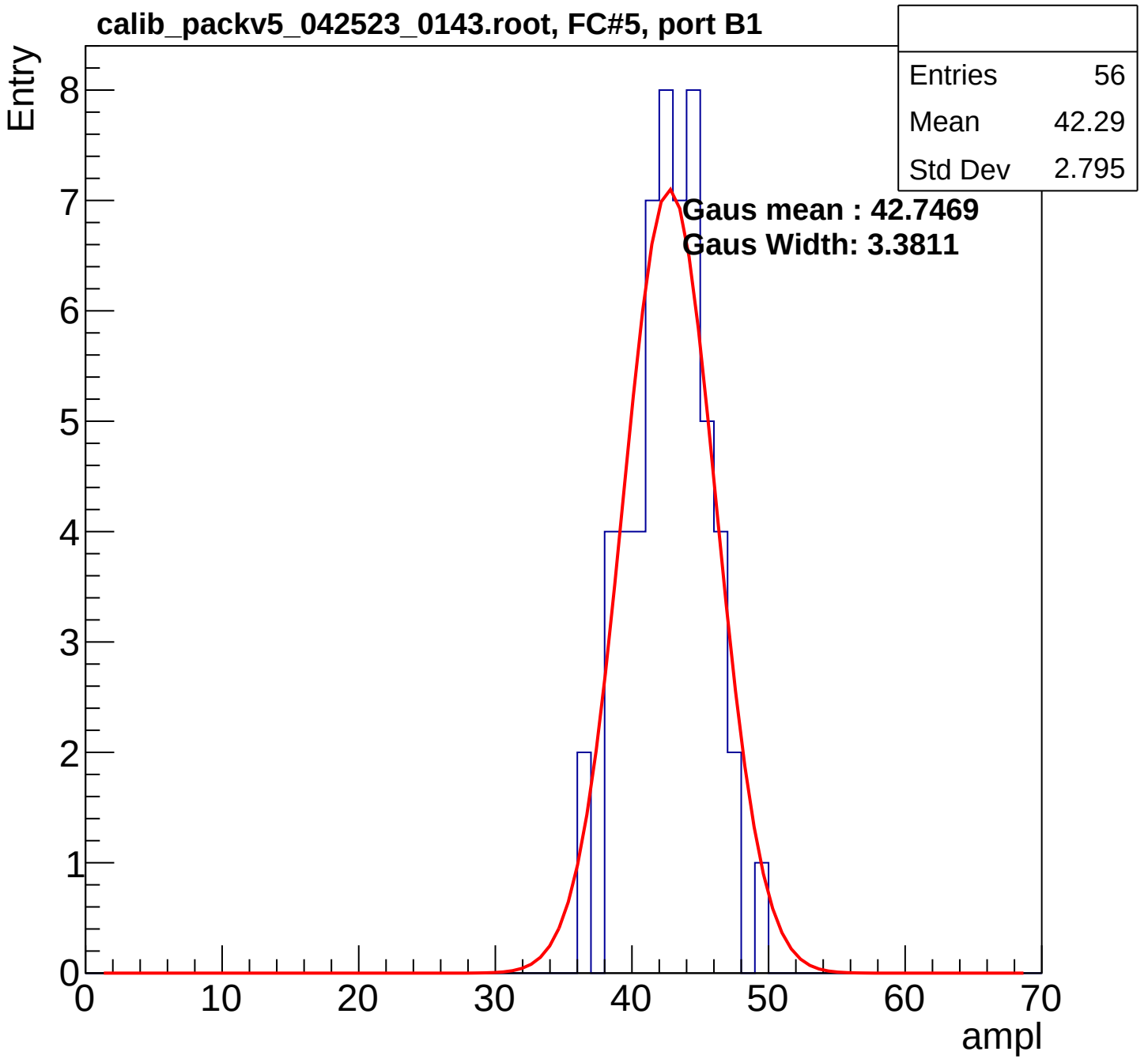
1
2
3
4
5
6
7
8
9


B0L000S, U20-ch112, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 42.29
Std Dev 2.795
Gaus mean : 42.7469
Gaus Width: 3.3811
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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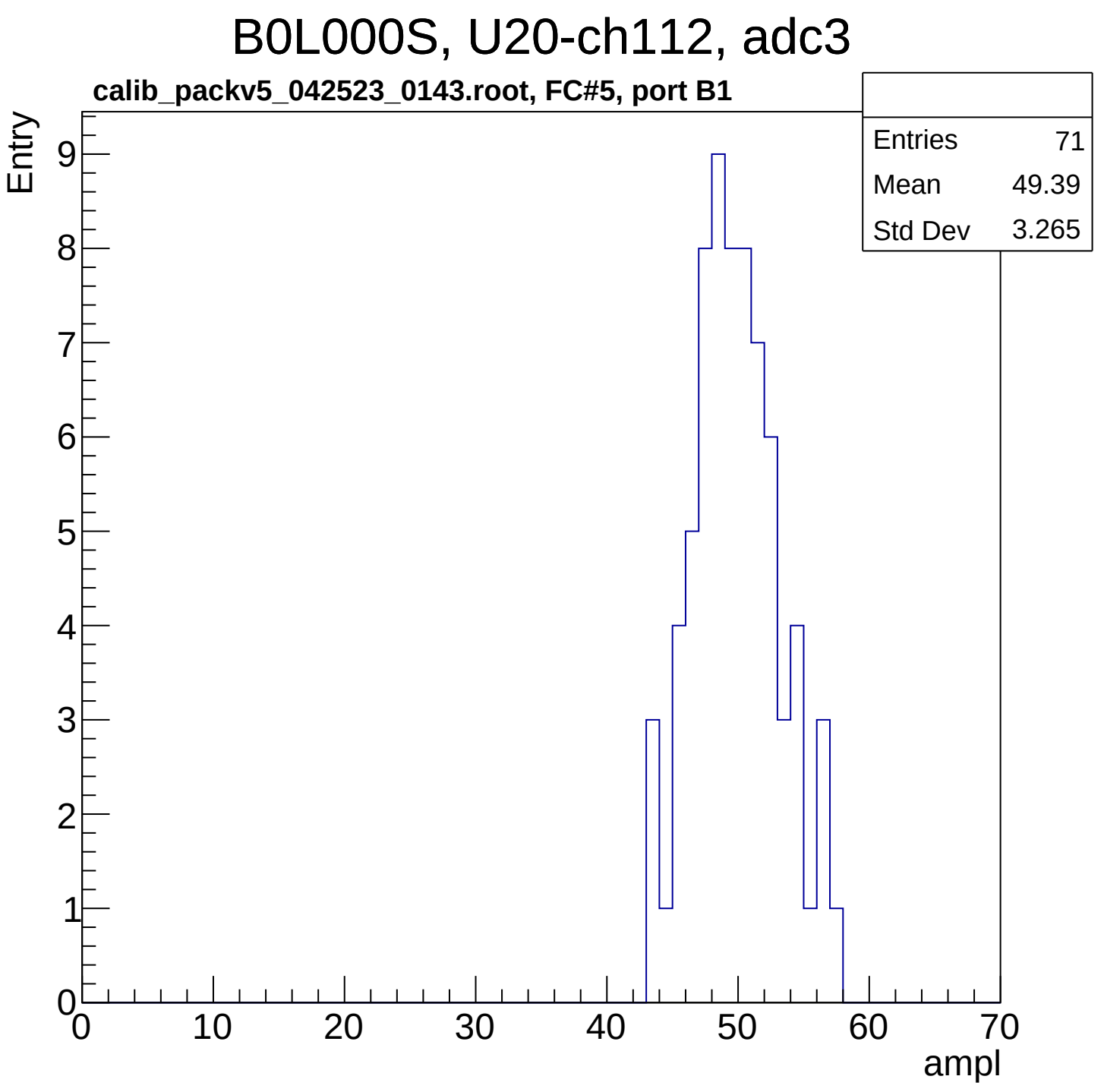
B0L000S, U20-ch112, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 49.39
Std Dev 3.265
Entry
ampl
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2
3
4
5
6
7
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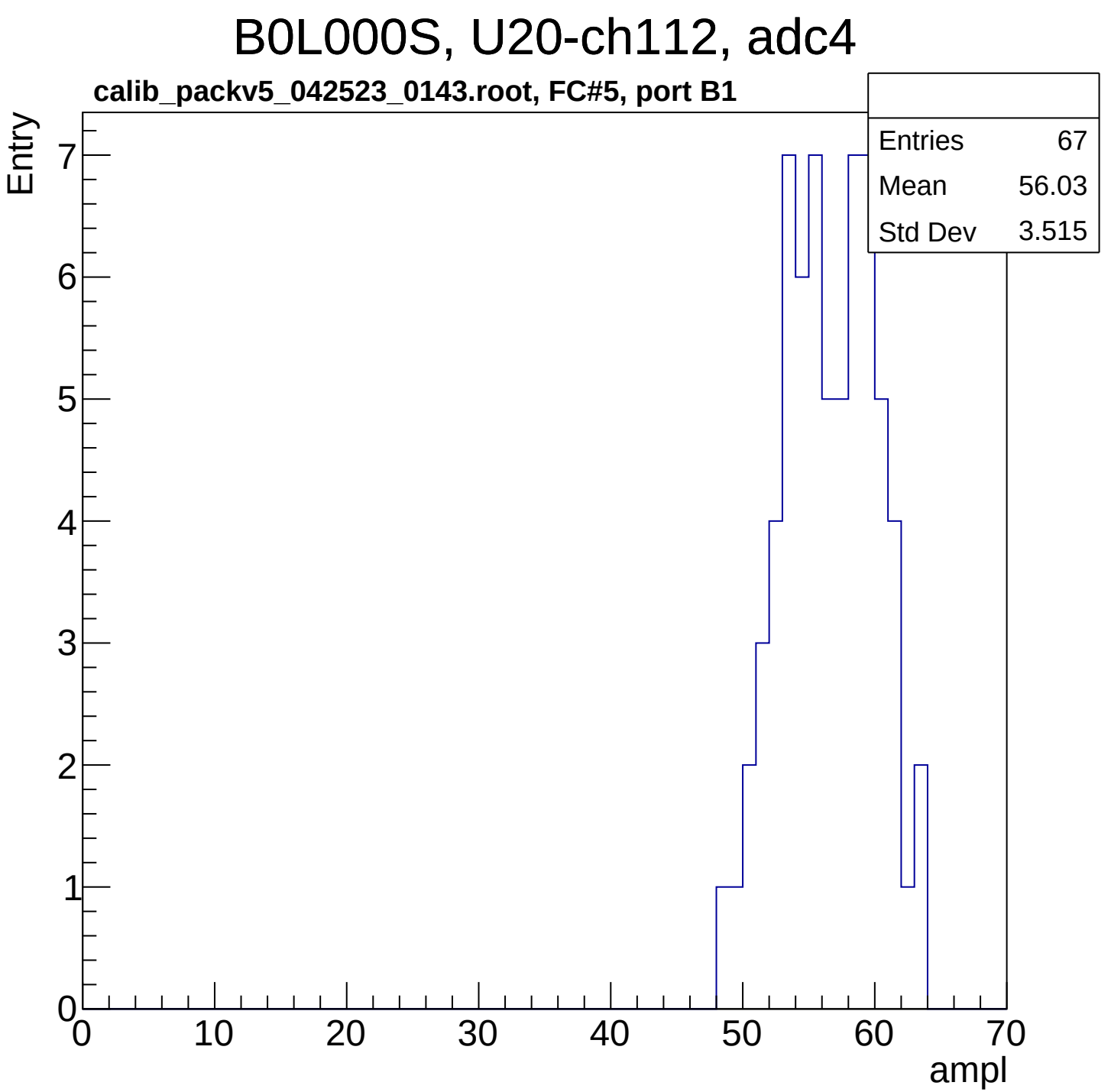
B0L000S, U20-ch112, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 56.03
Std Dev 3.515
Entry
ampl
0
1
2
3
4
5
6
7
0
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40
50
60
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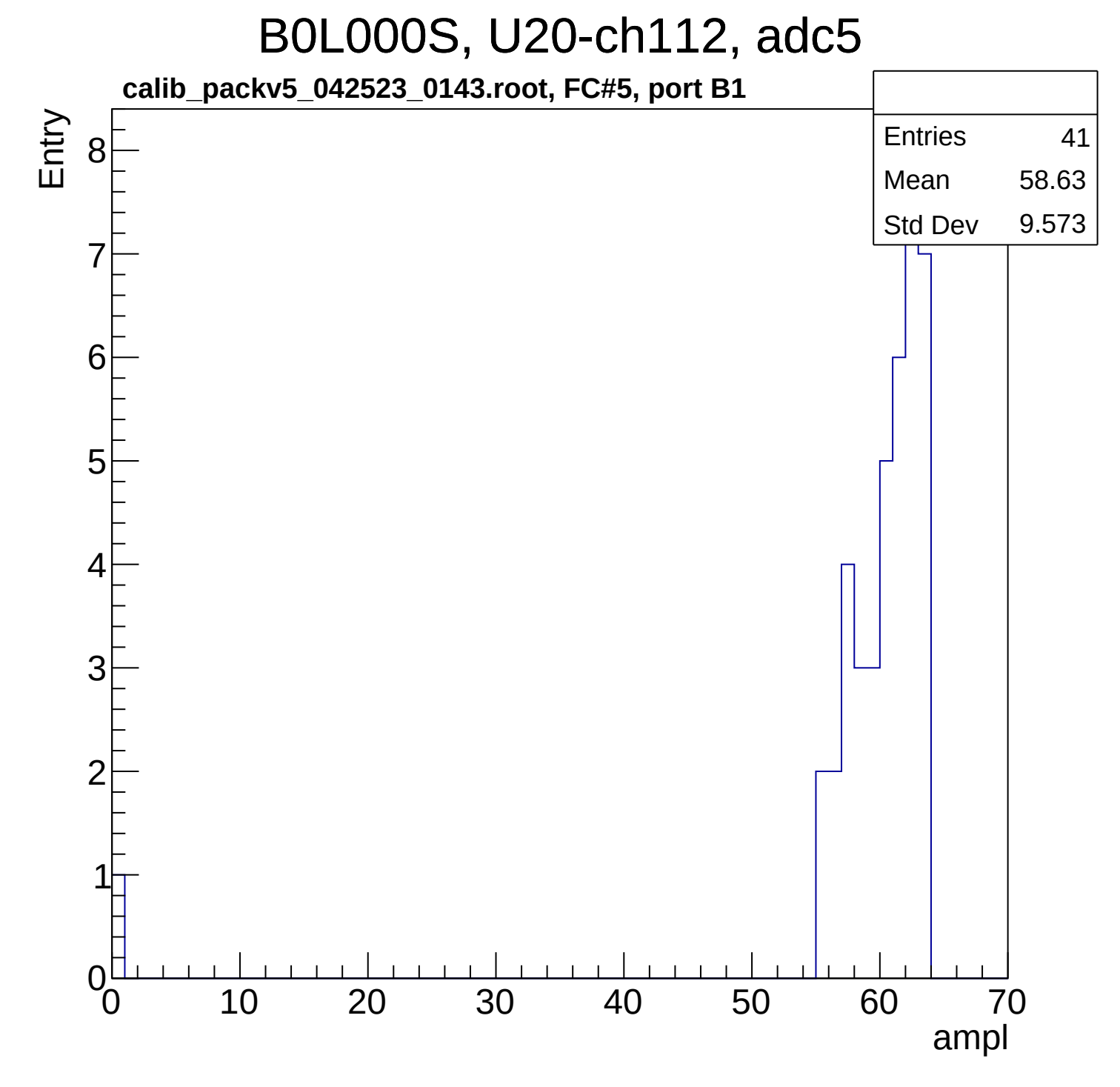
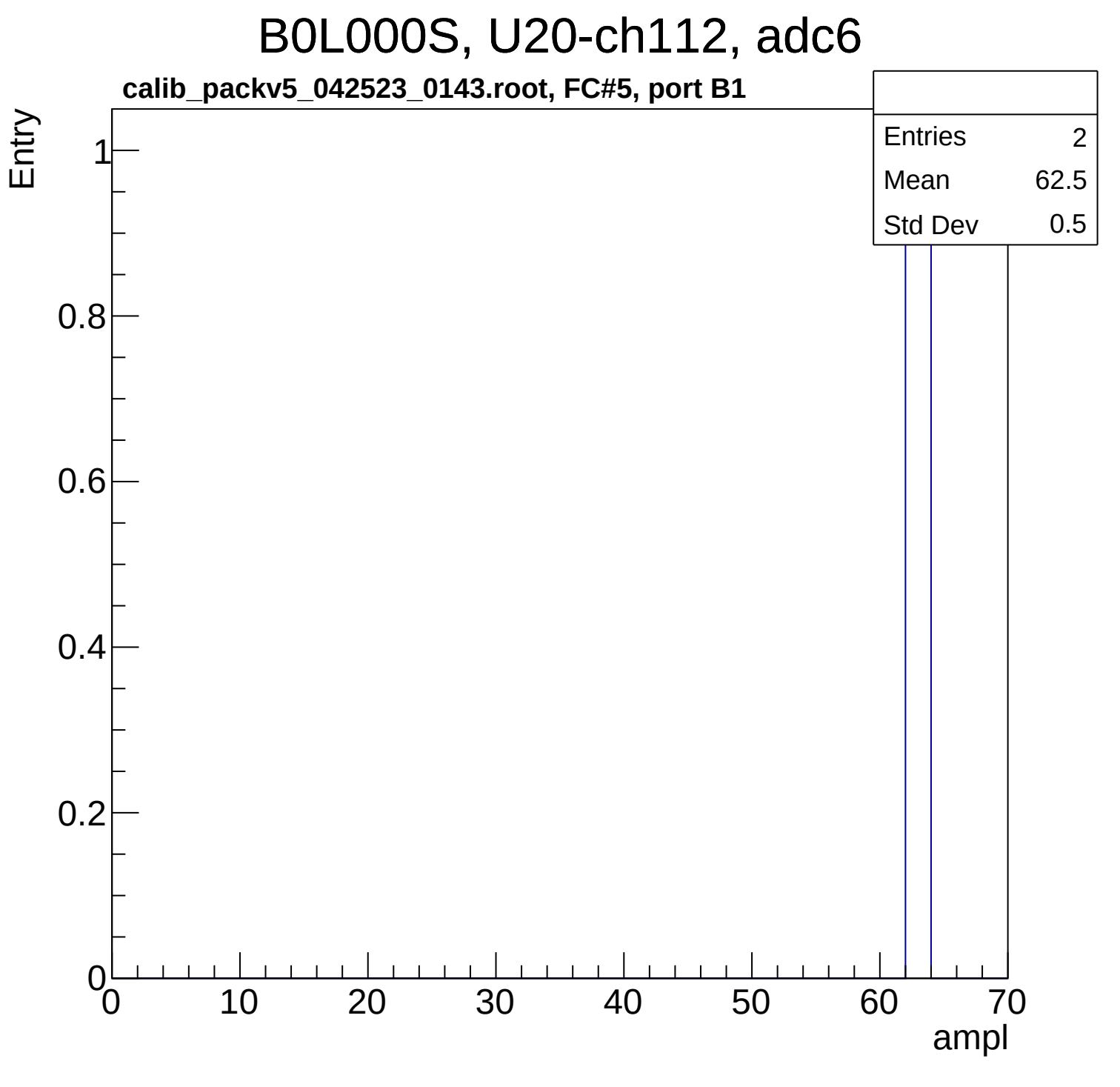
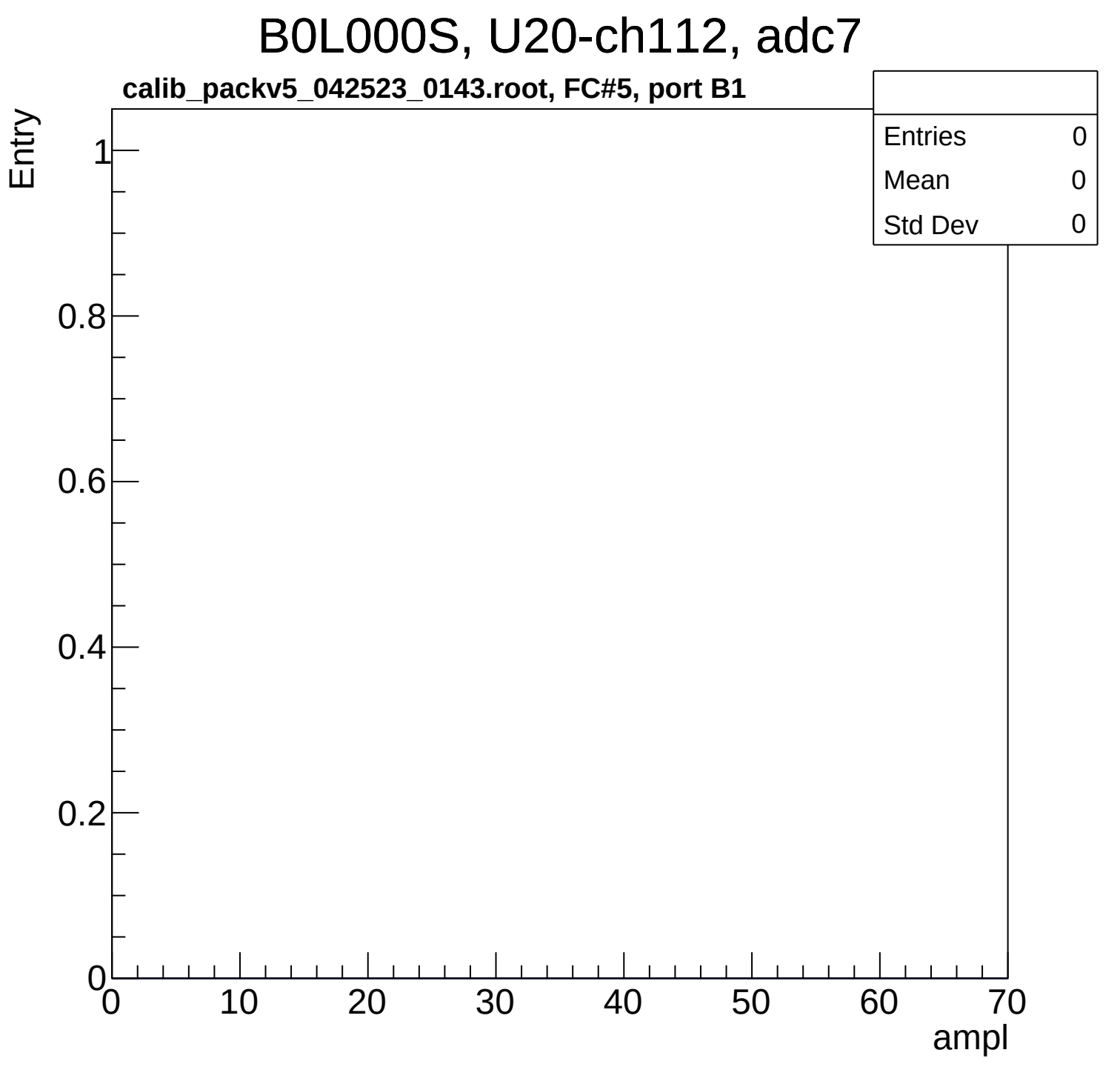
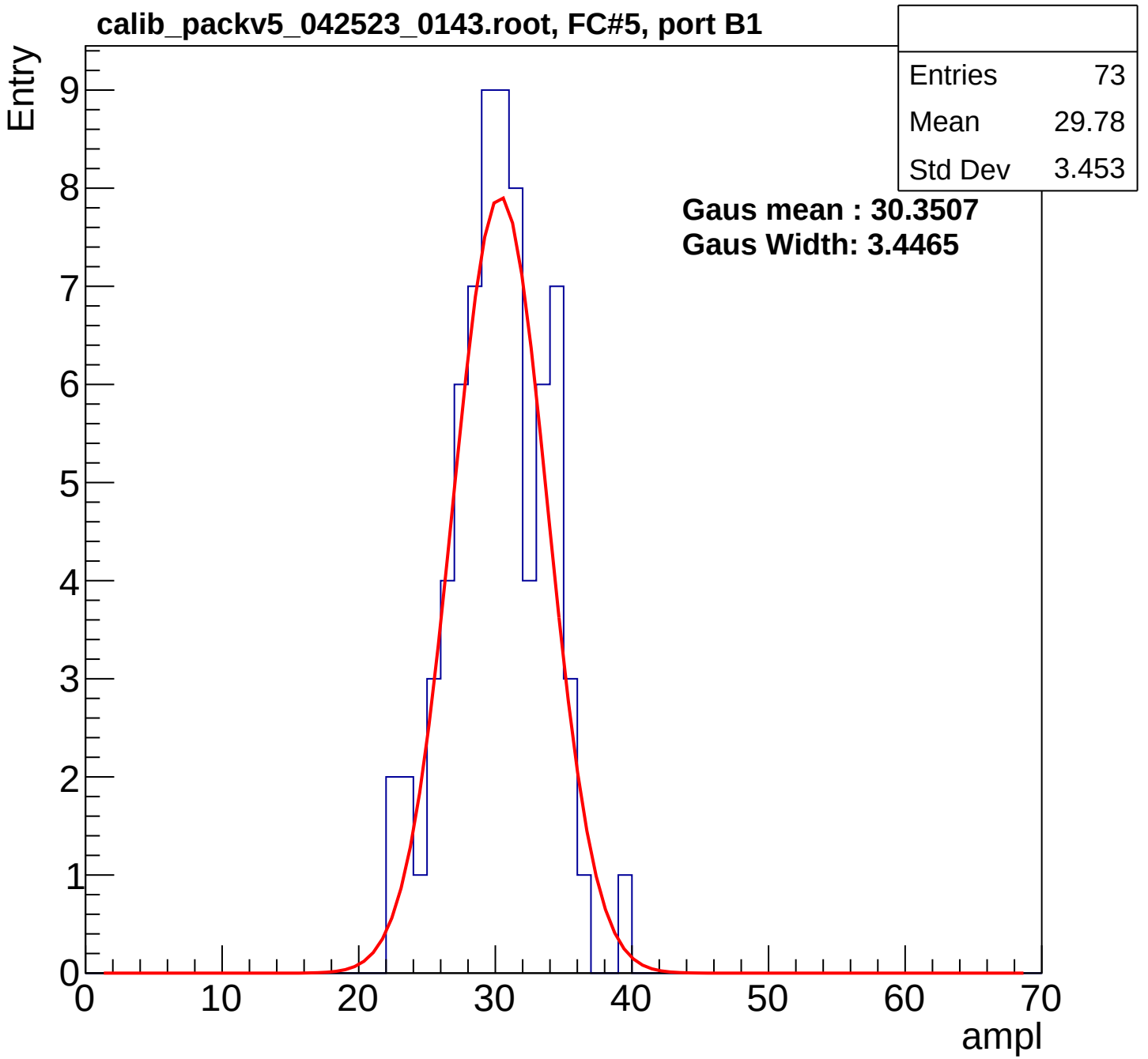
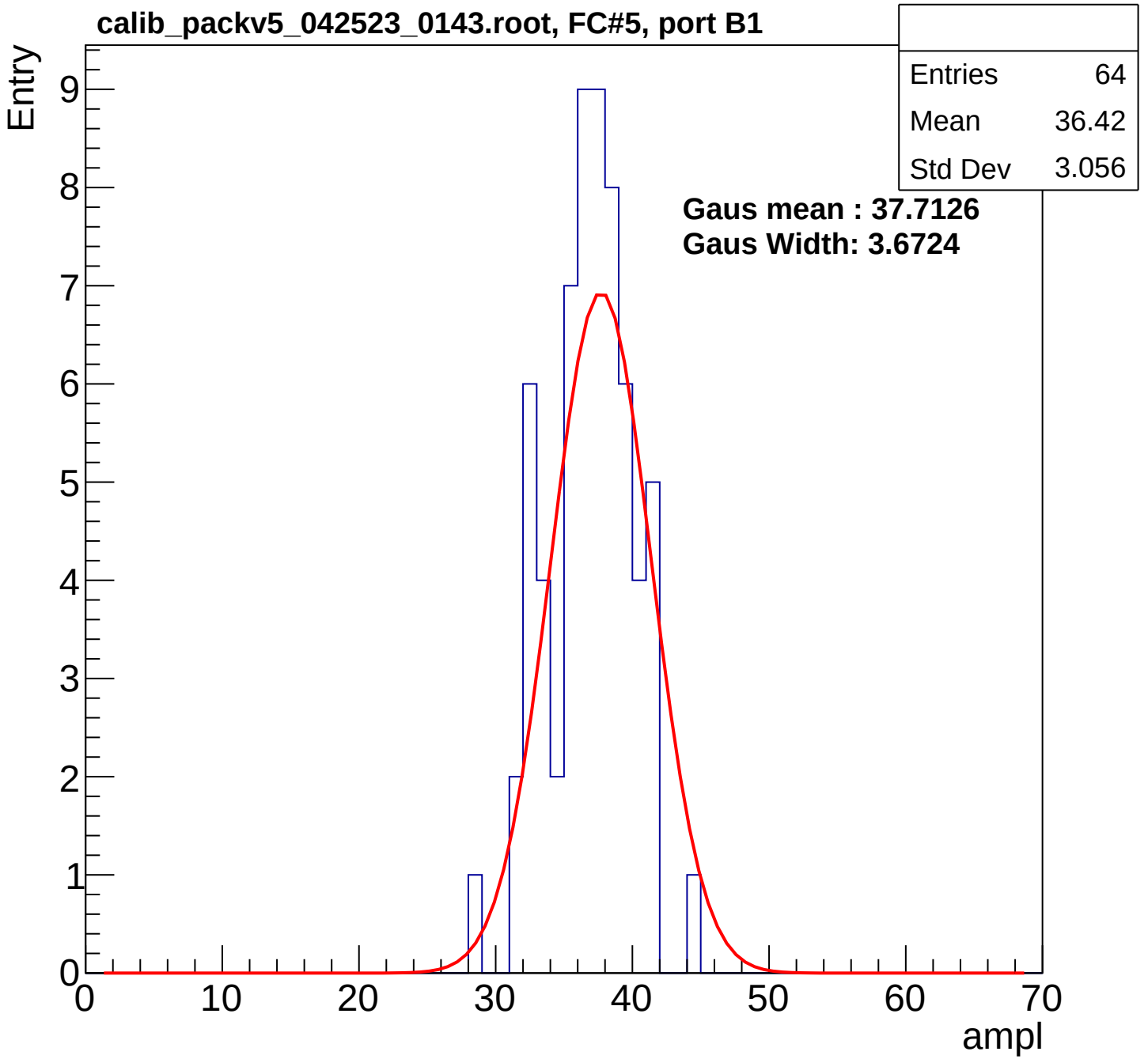

B0L000S, U20-ch112, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 58.63
Std Dev 9.573
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch112, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 62.5
Std Dev 0.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch112, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch113, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 29.78
Std Dev 3.453
Gaus mean : 30.3507
Gaus Width: 3.4465
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch113, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 36.42
Std Dev 3.056
Gaus mean : 37.7126
Gaus Width: 3.6724
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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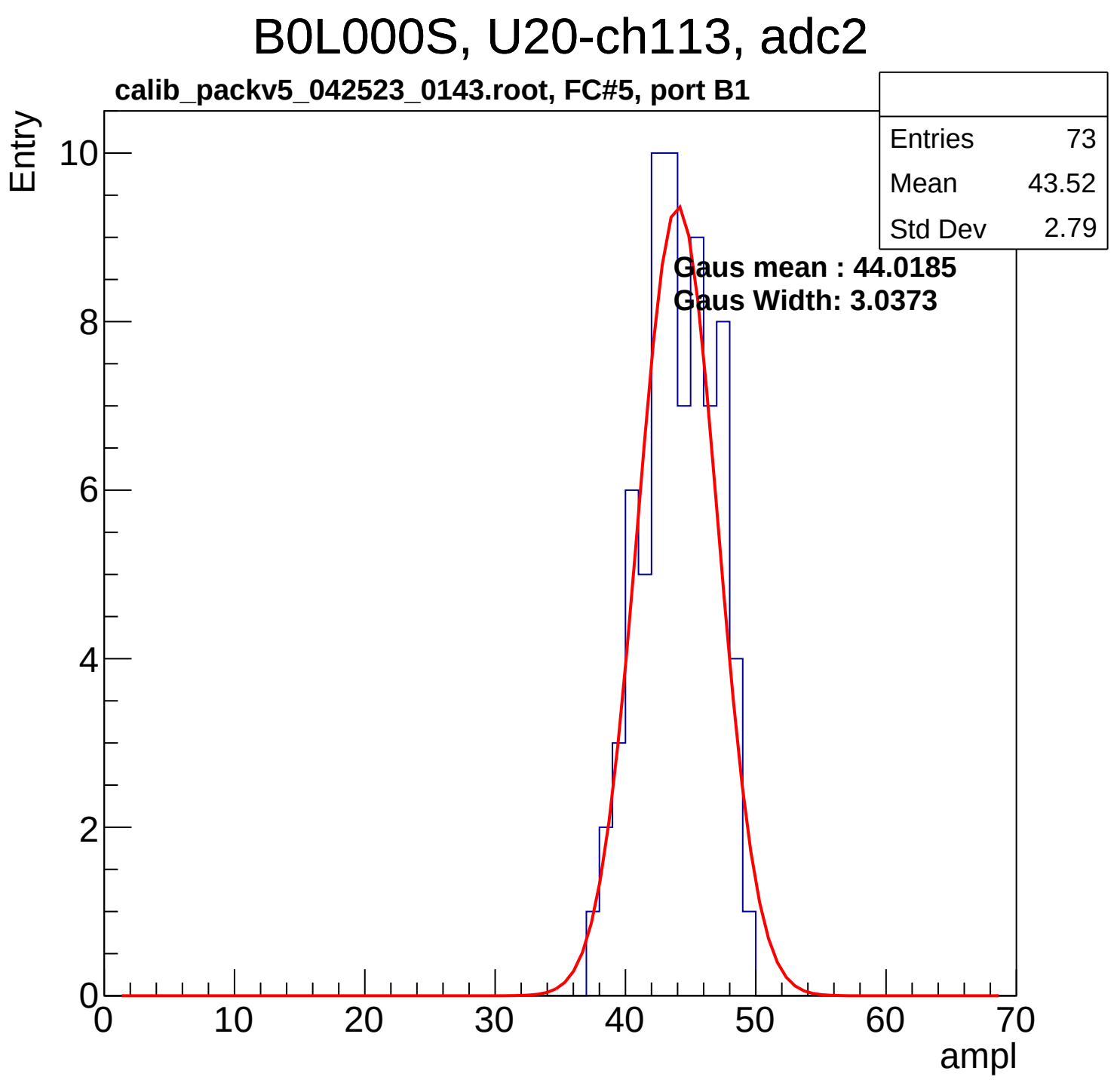
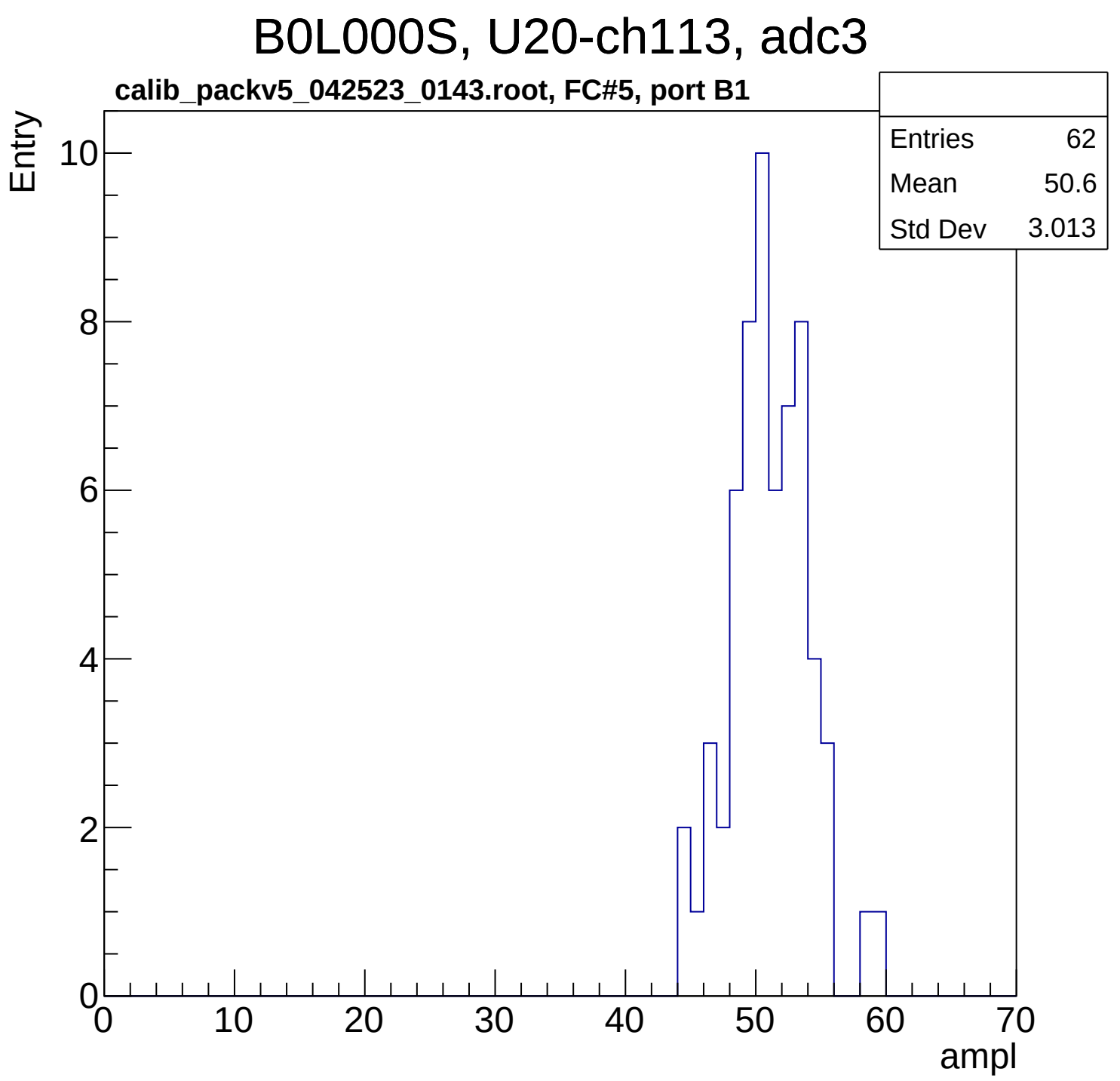
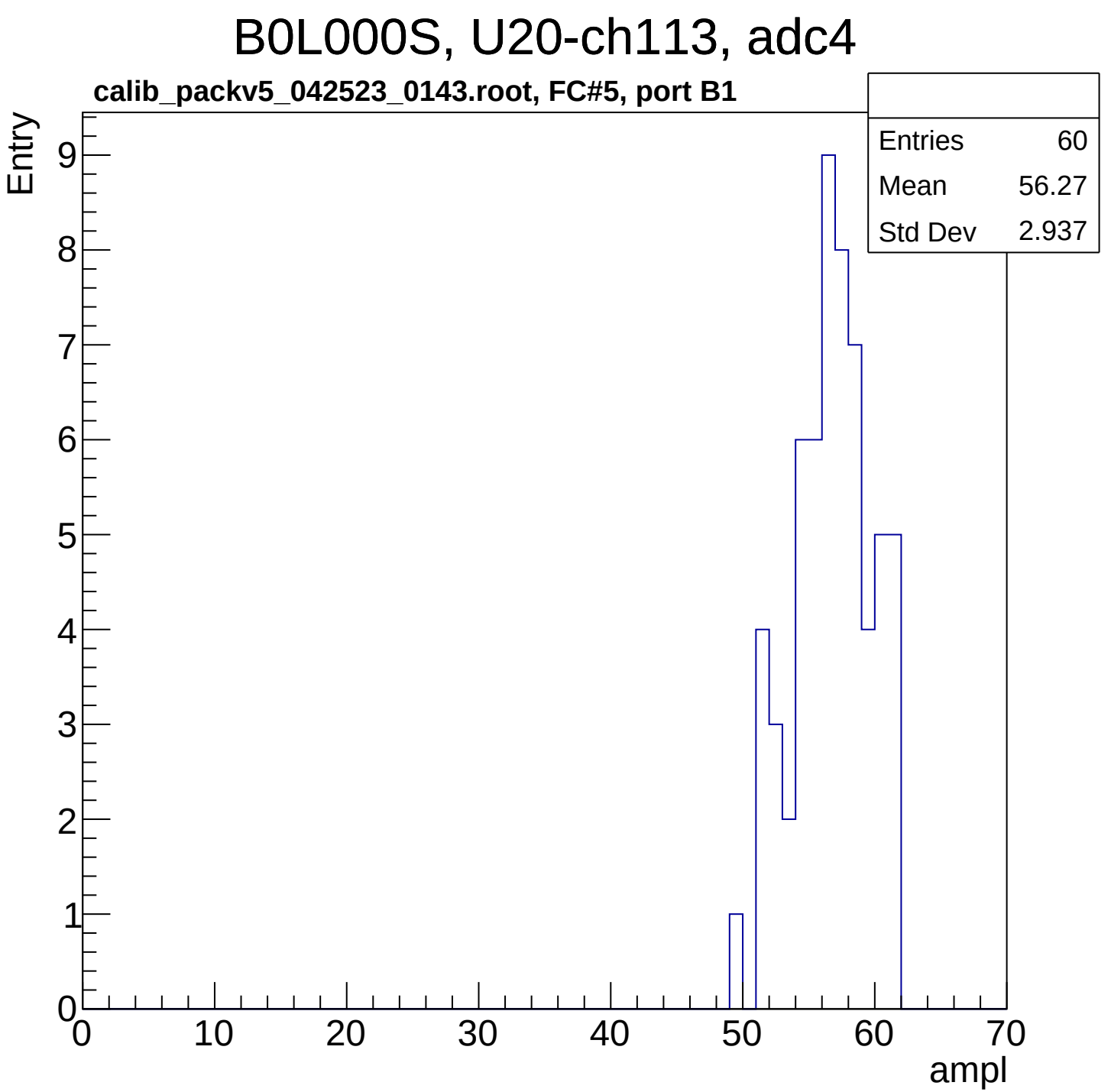
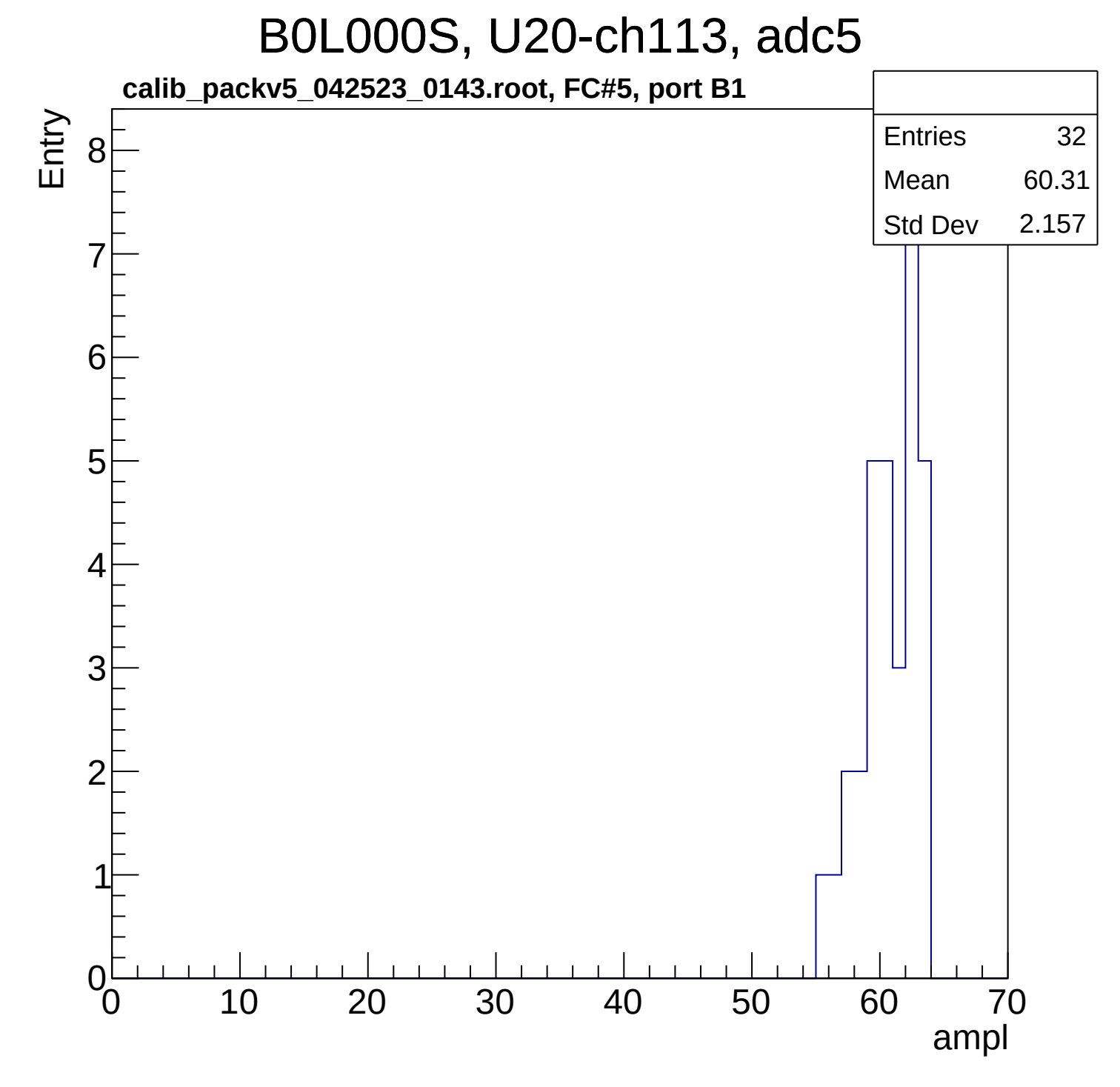

B0L000S, U20-ch113, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 43.52
Std Dev 2.79
Gaus mean : 44.0185
Gaus Width: 3.0373
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch113, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 50.6
Std Dev 3.013
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch113, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 56.27
Std Dev 2.937
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch113, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 32
Mean 60.31
Std Dev 2.157
Entry
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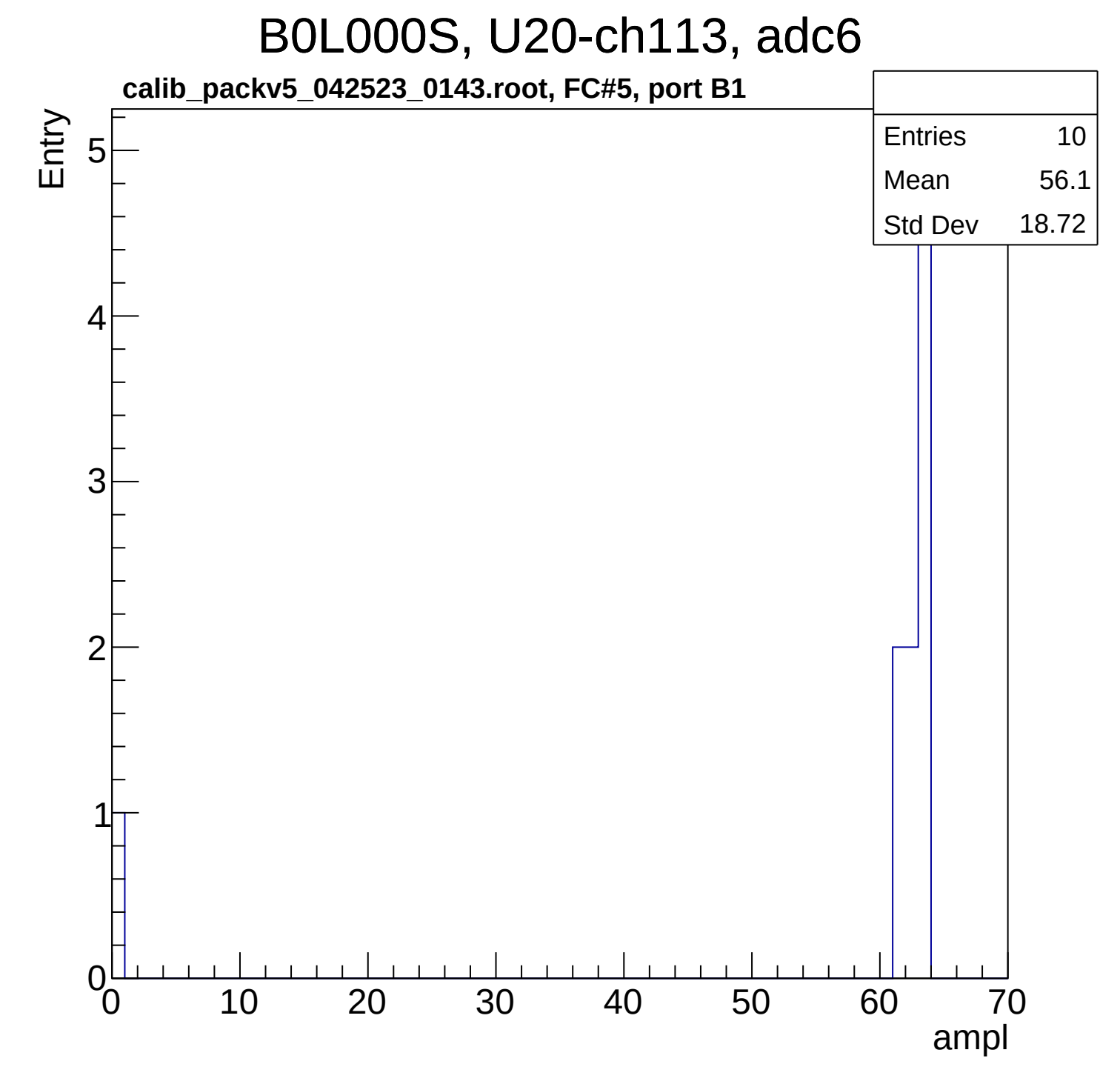
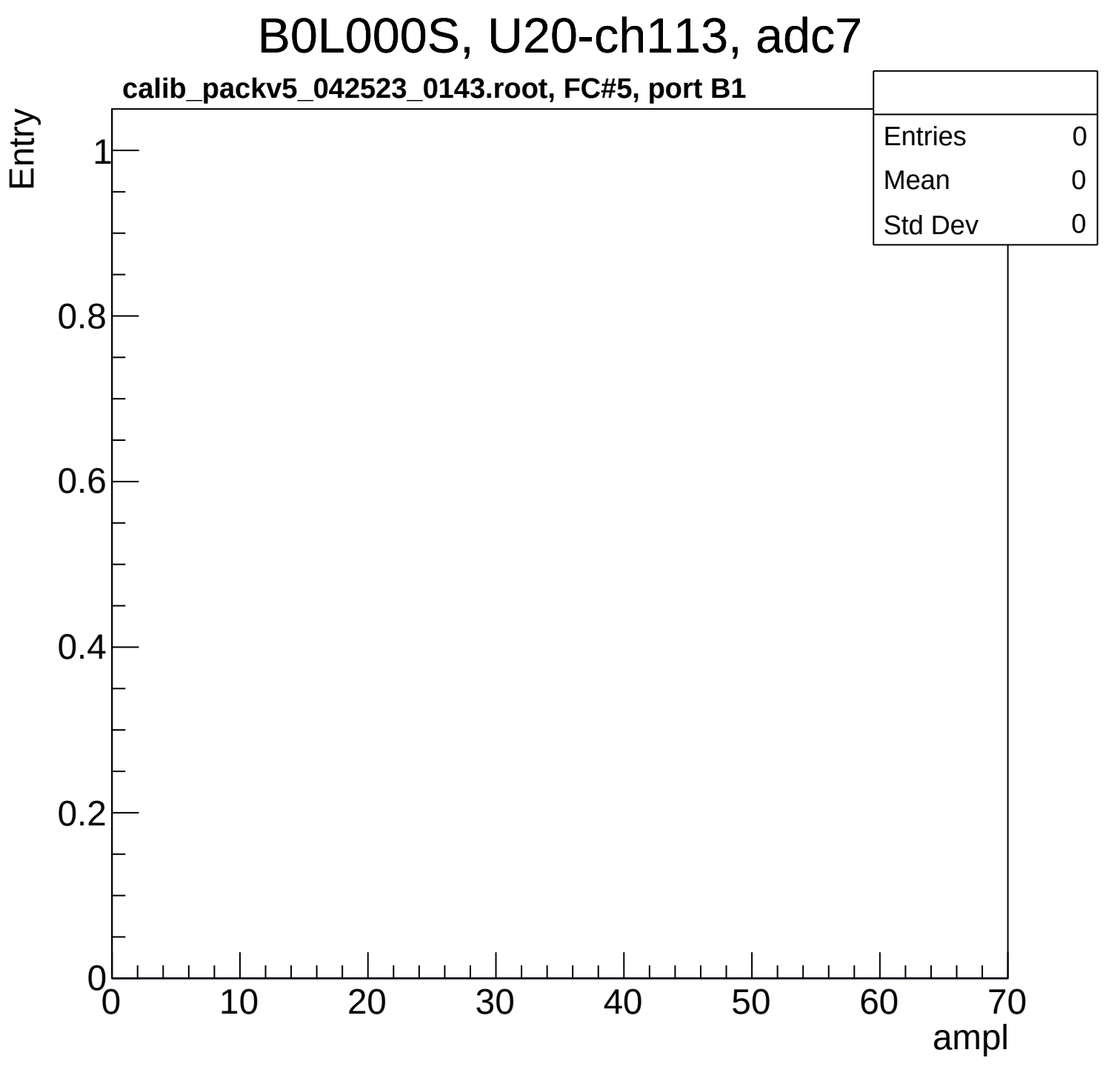
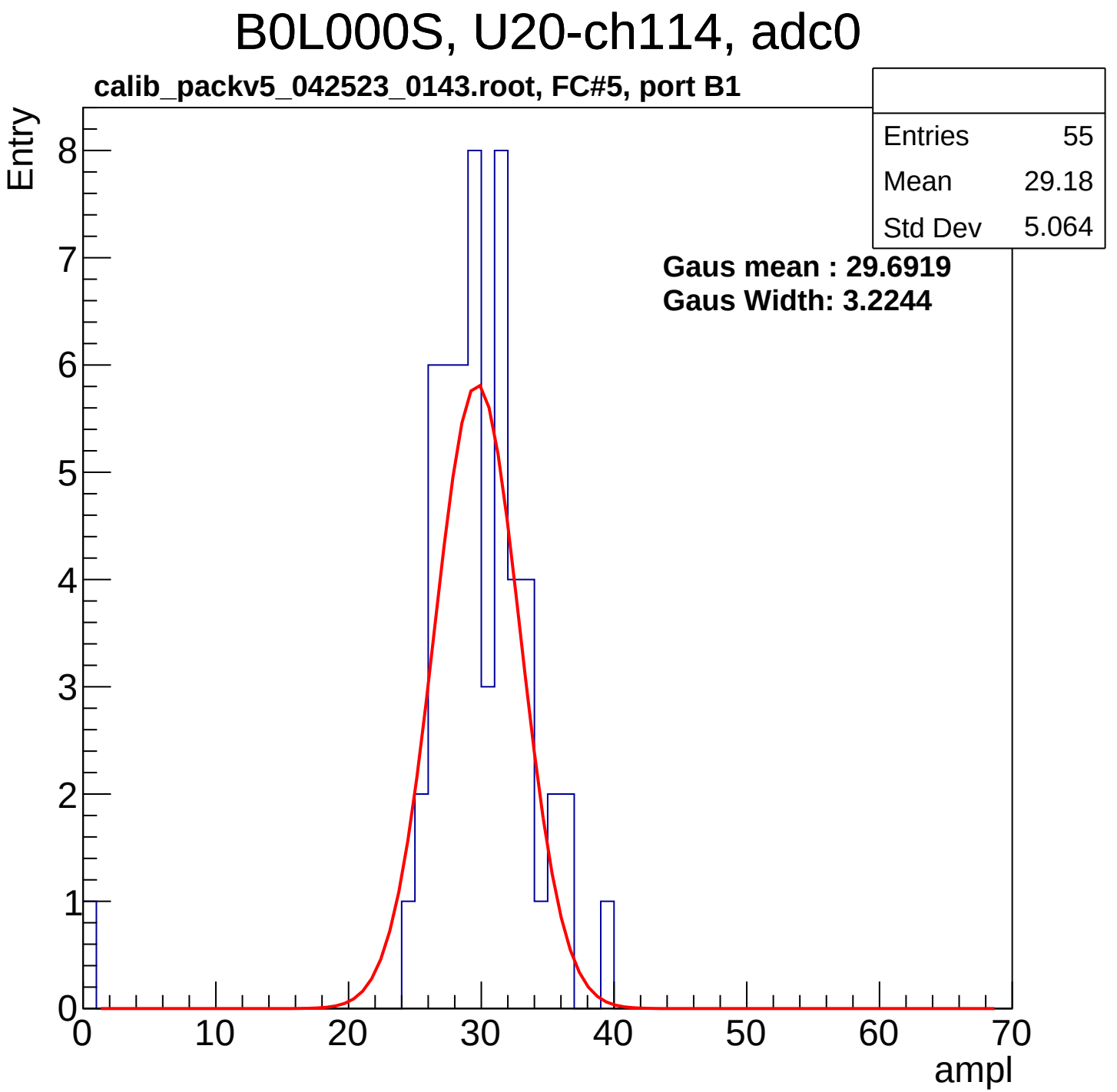
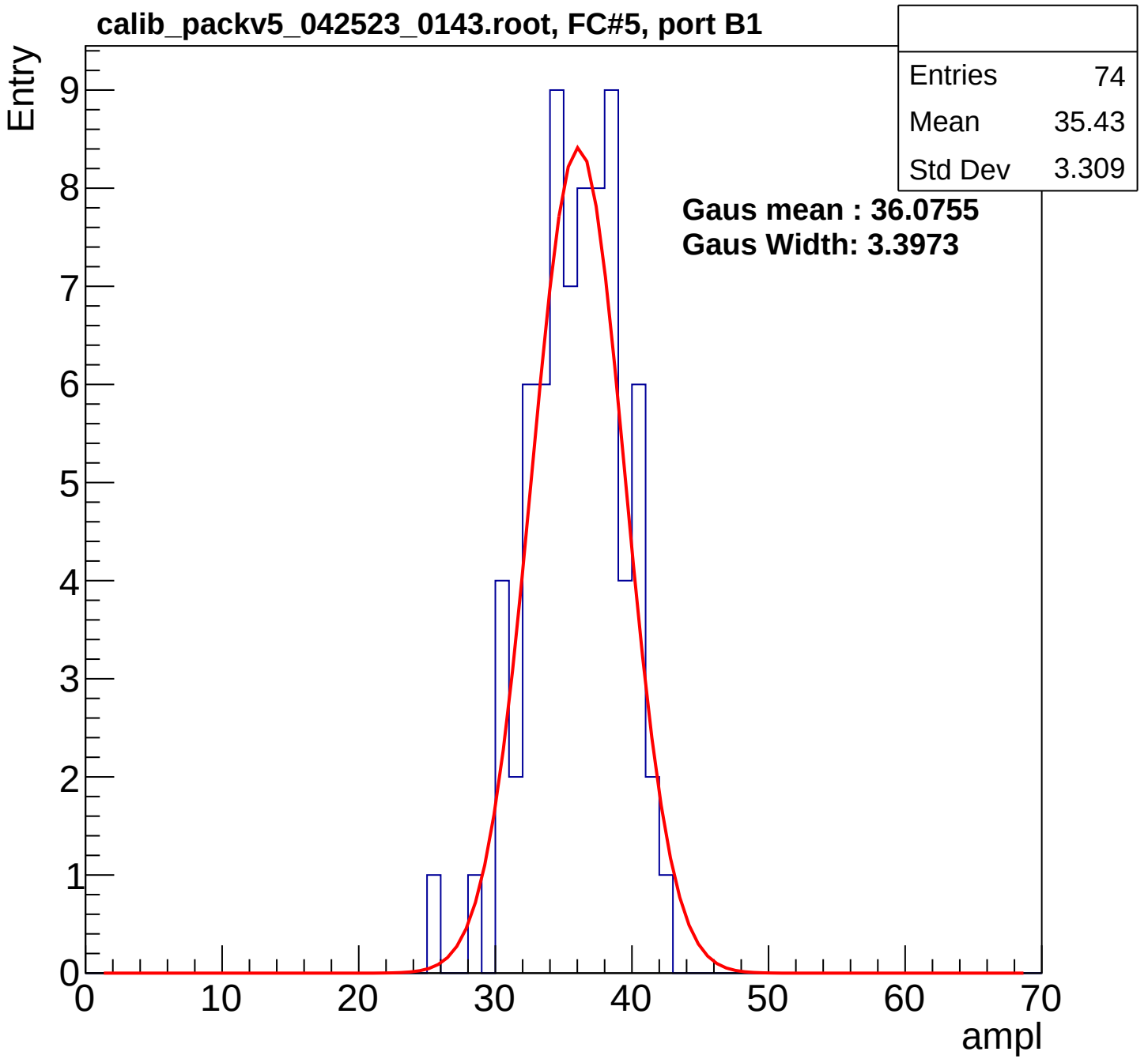
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch113, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 56.1
Std Dev 18.72
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch113, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch114, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 29.18
Std Dev 5.064
Gaus mean : 29.6919
Gaus Width: 3.2244
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch114, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 35.43
Std Dev 3.309
Gaus mean : 36.0755
Gaus Width: 3.3973
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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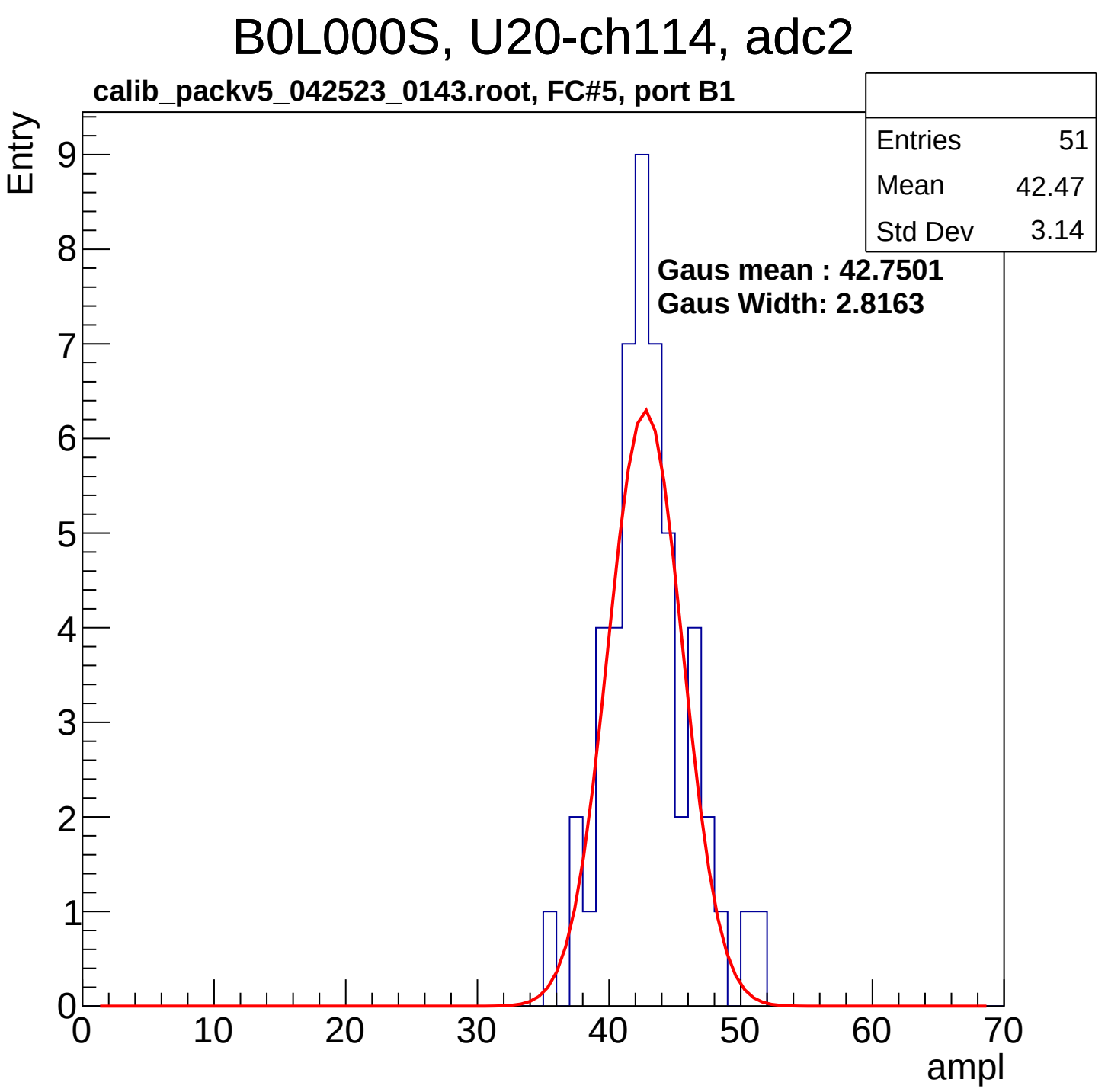
B0L000S, U20-ch114, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 42.47
Std Dev 3.14
Gaus mean : 42.7501
Gaus Width: 2.8163
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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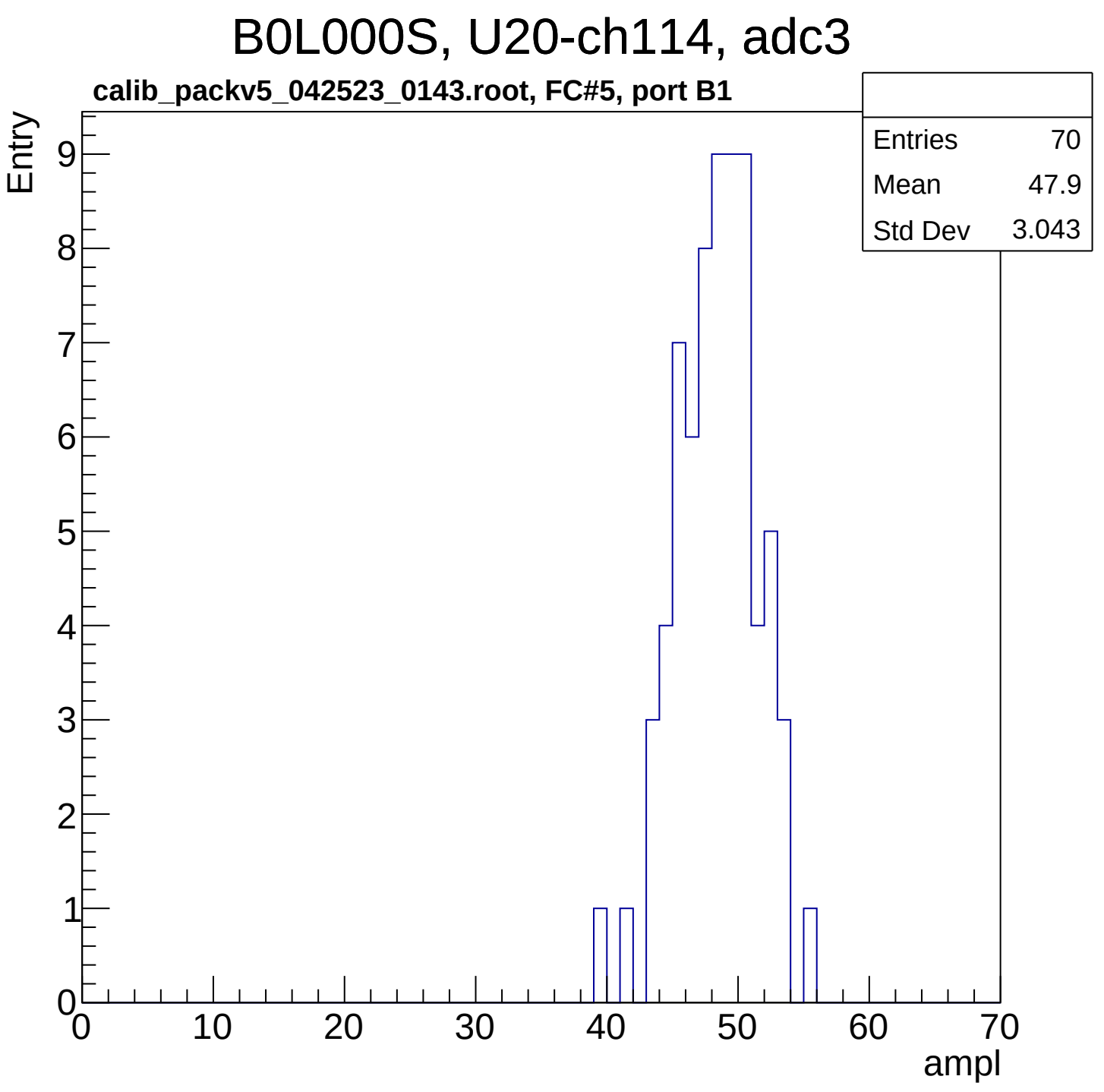
B0L000S, U20-ch114, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 47.9
Std Dev 3.043
Entry
ampl
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3
4
5
6
7
8
9
0
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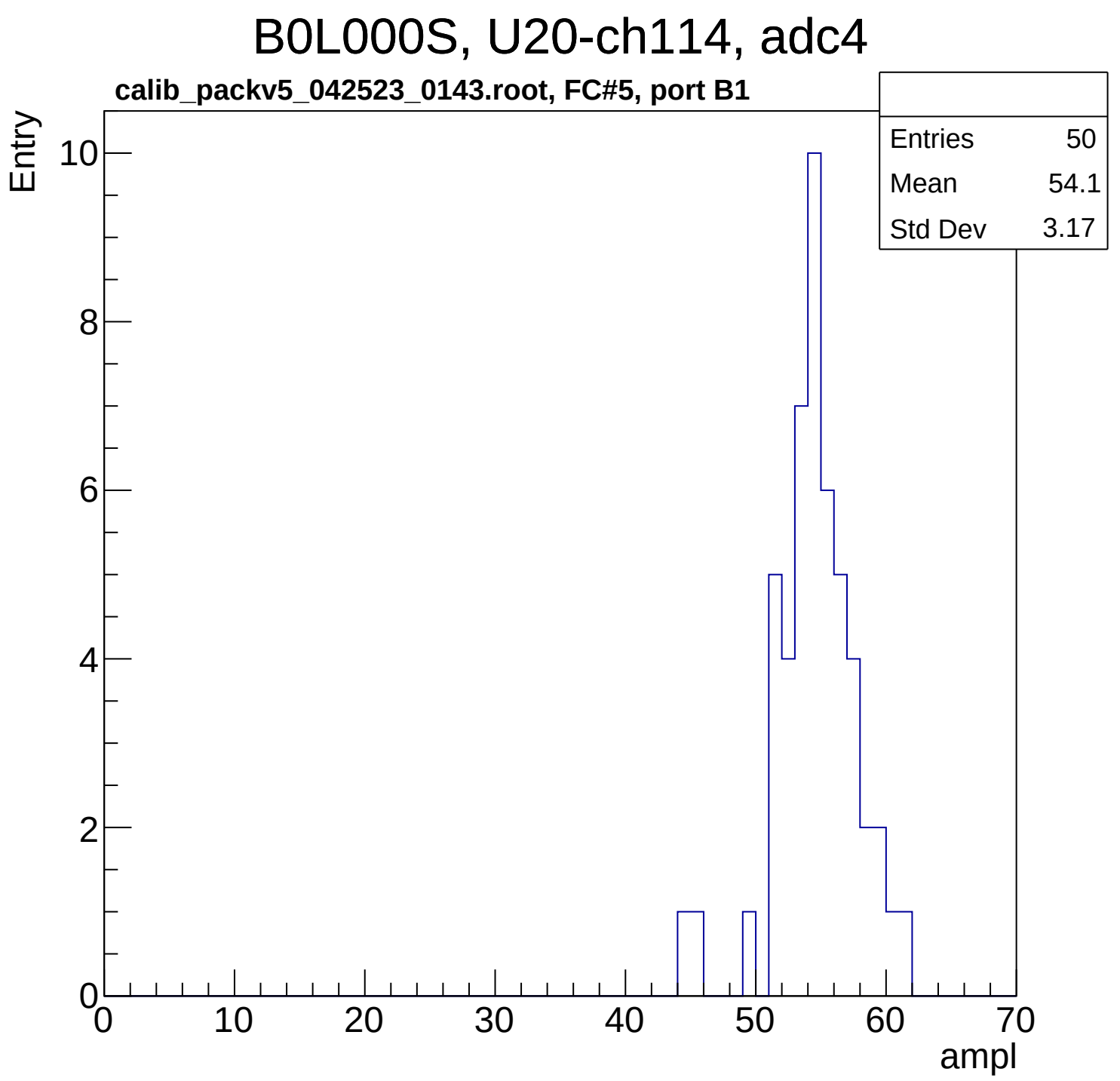
60
70


B0L000S, U20-ch114, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 54.1
Std Dev 3.17
Entry
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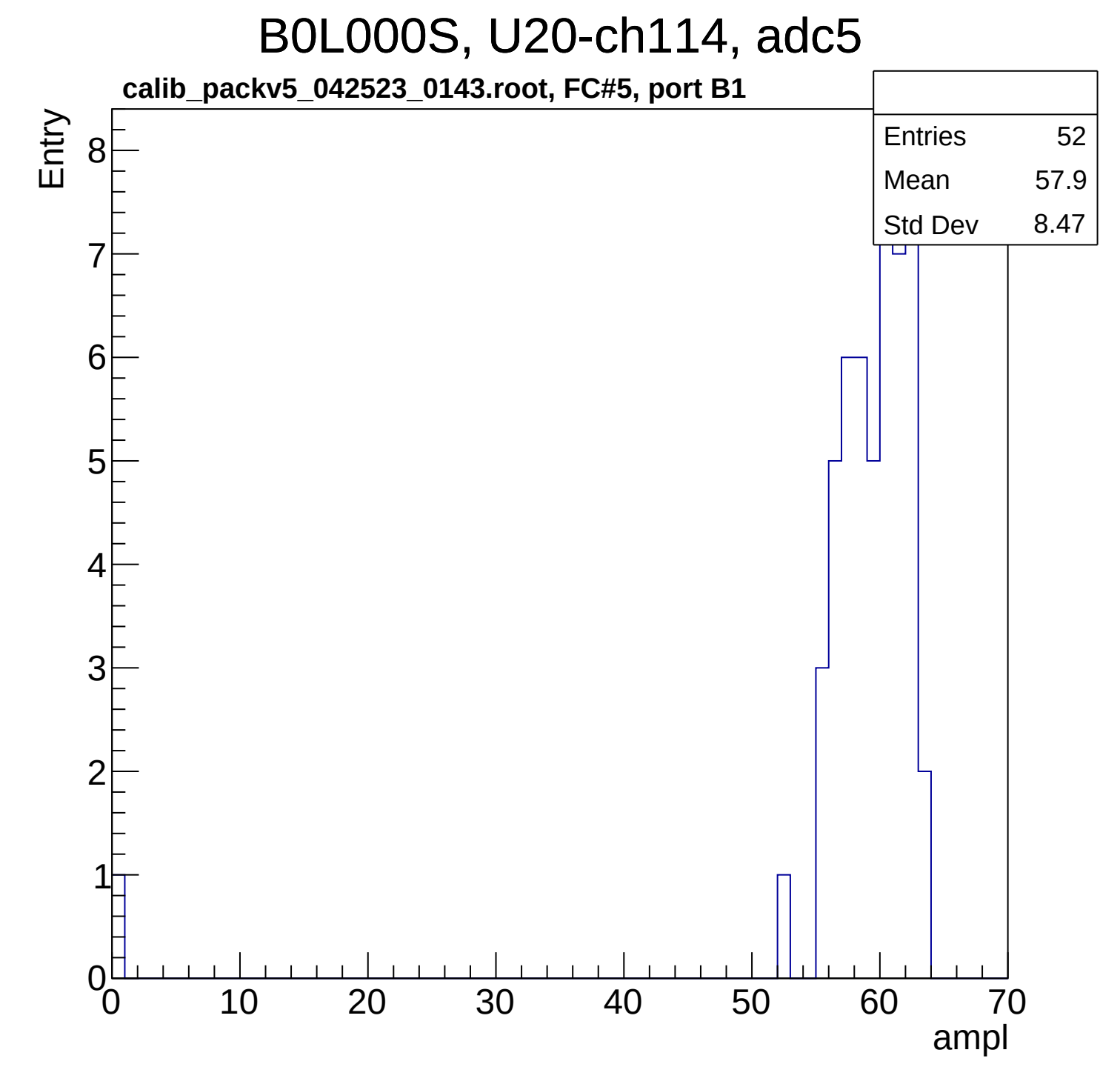
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch114, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 52
Mean 57.9
Std Dev 8.47
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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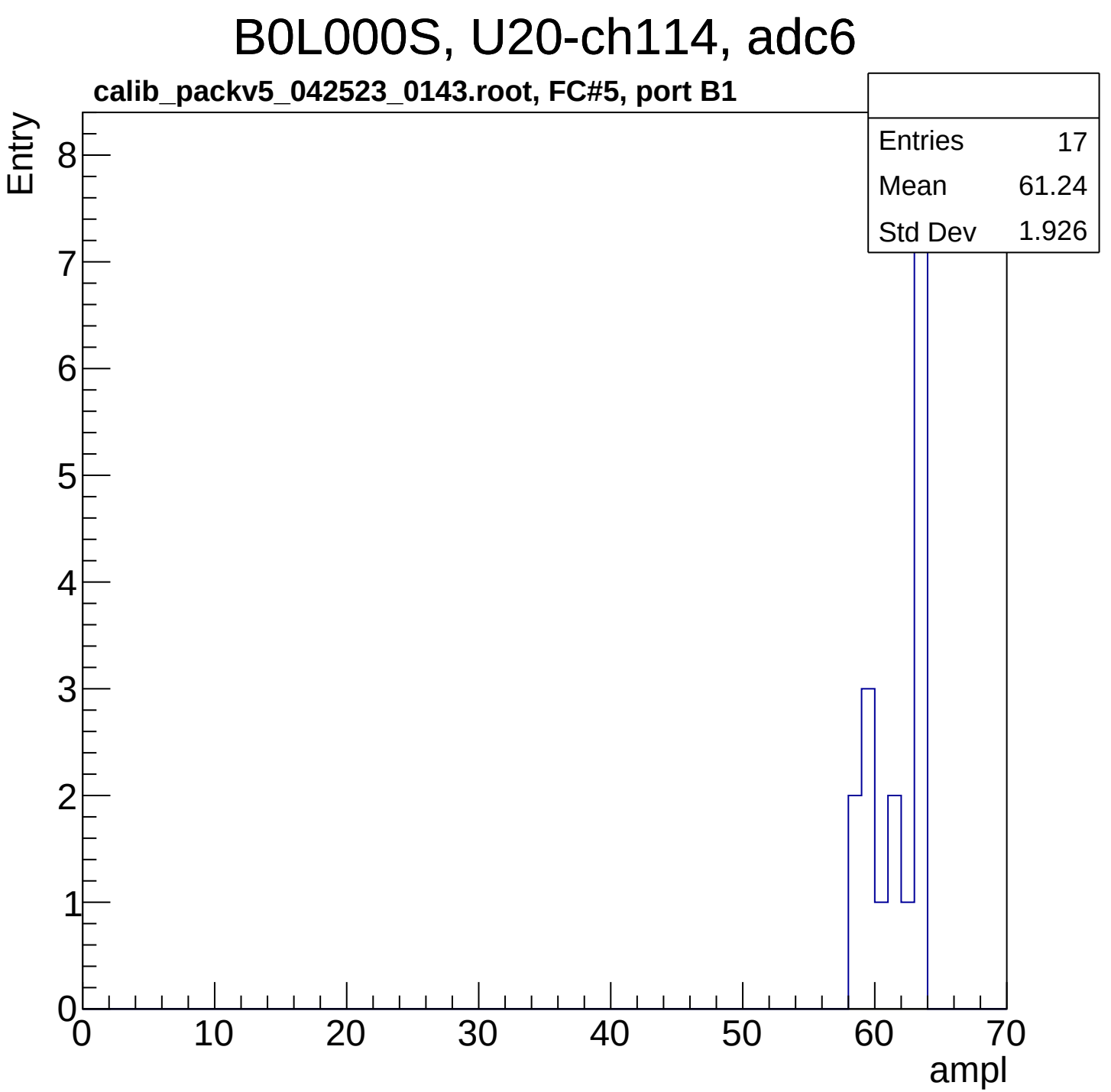
B0L000S, U20-ch114, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 17
Mean 61.24
Std Dev 1.926
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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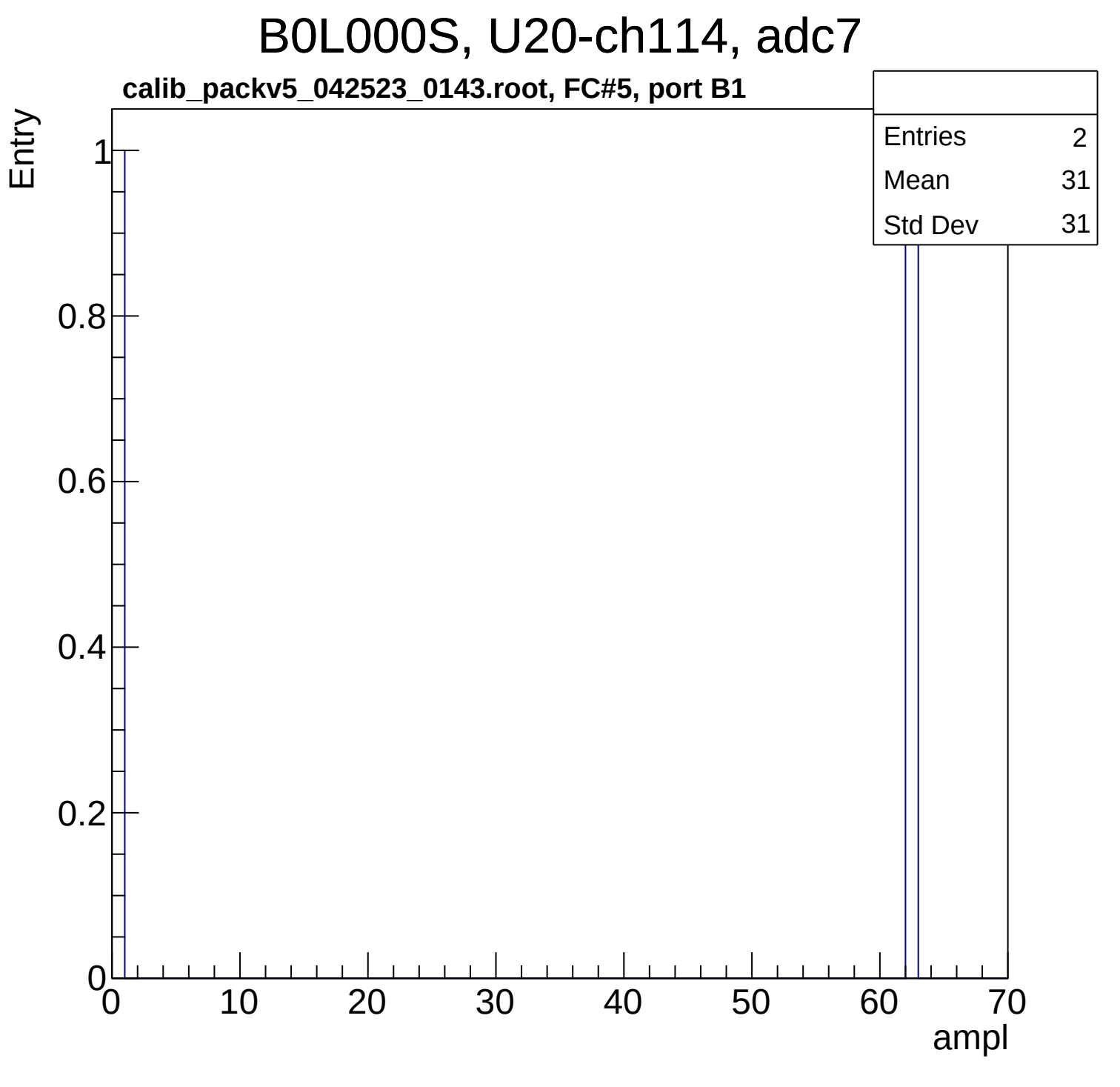
B0L000S, U20-ch114, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31
Std Dev 31
Entry
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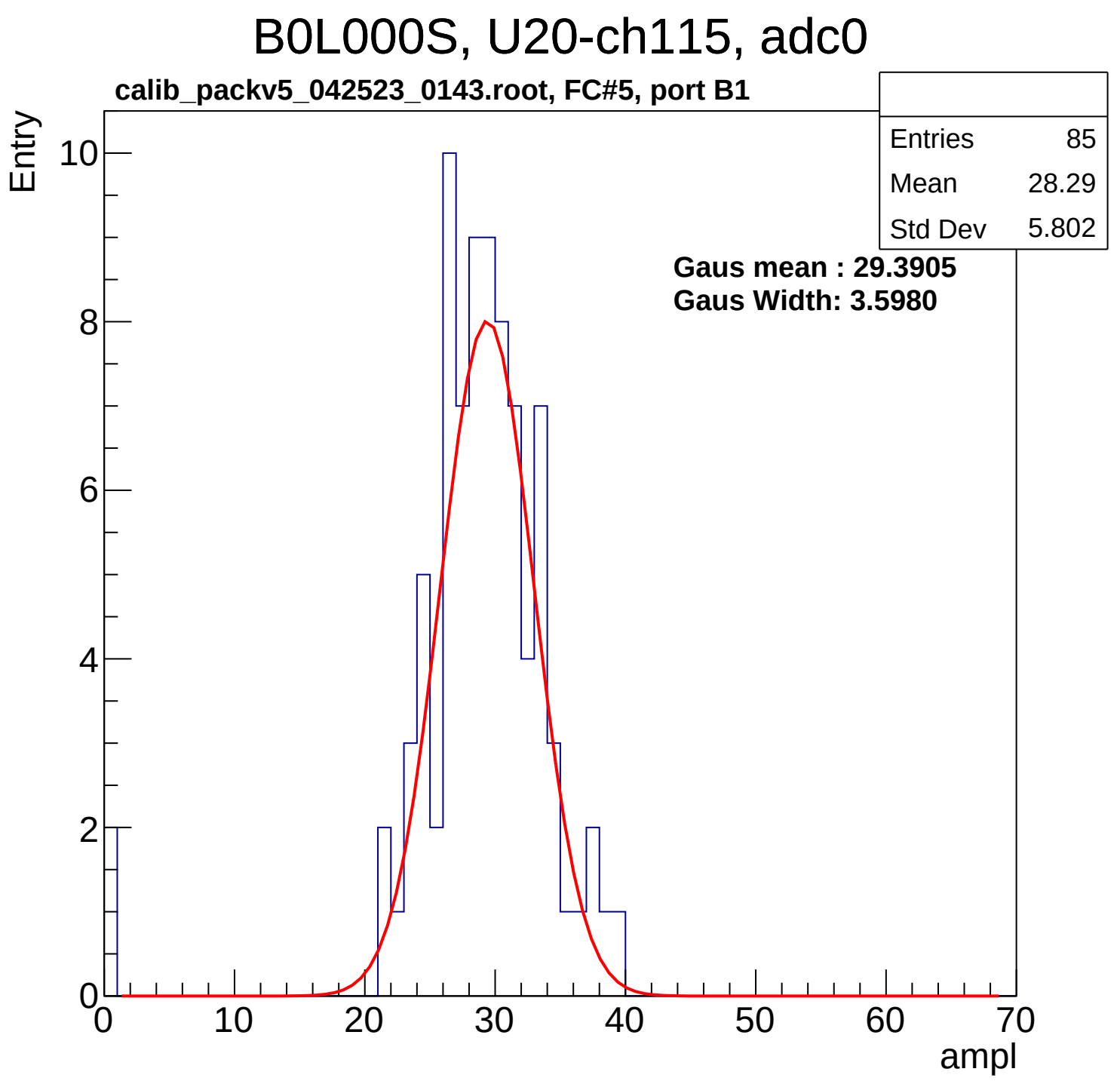
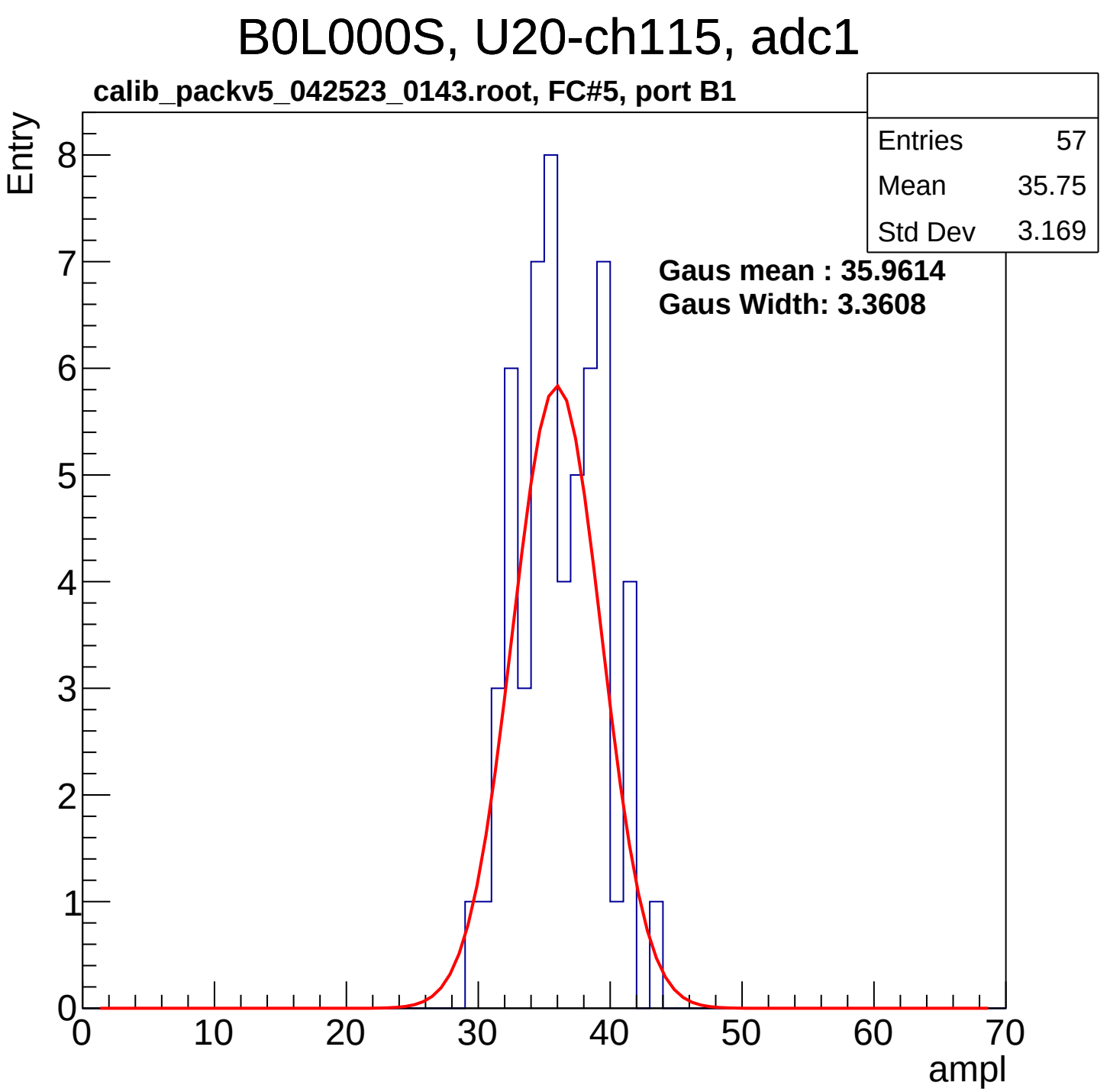
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch115, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 85
Mean 28.29
Std Dev 5.802
Gaus mean : 29.3905
Gaus Width: 3.5980
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch115, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 57
Mean 35.75
Std Dev 3.169
Gaus mean : 35.9614
Gaus Width: 3.3608
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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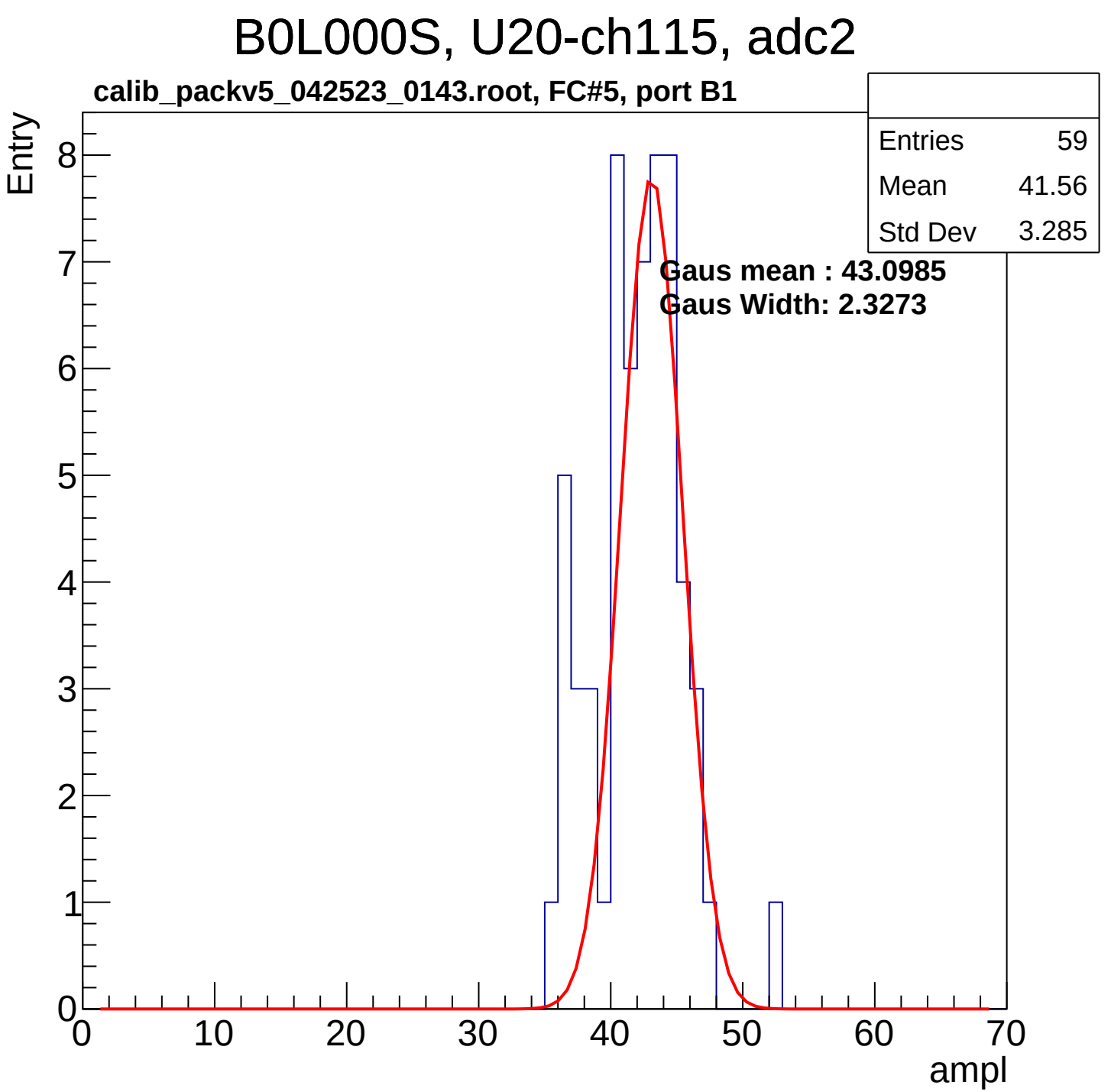
B0L000S, U20-ch115, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 59
Mean 41.56
Std Dev 3.285
Gaus mean : 43.0985
Gaus Width: 2.3273
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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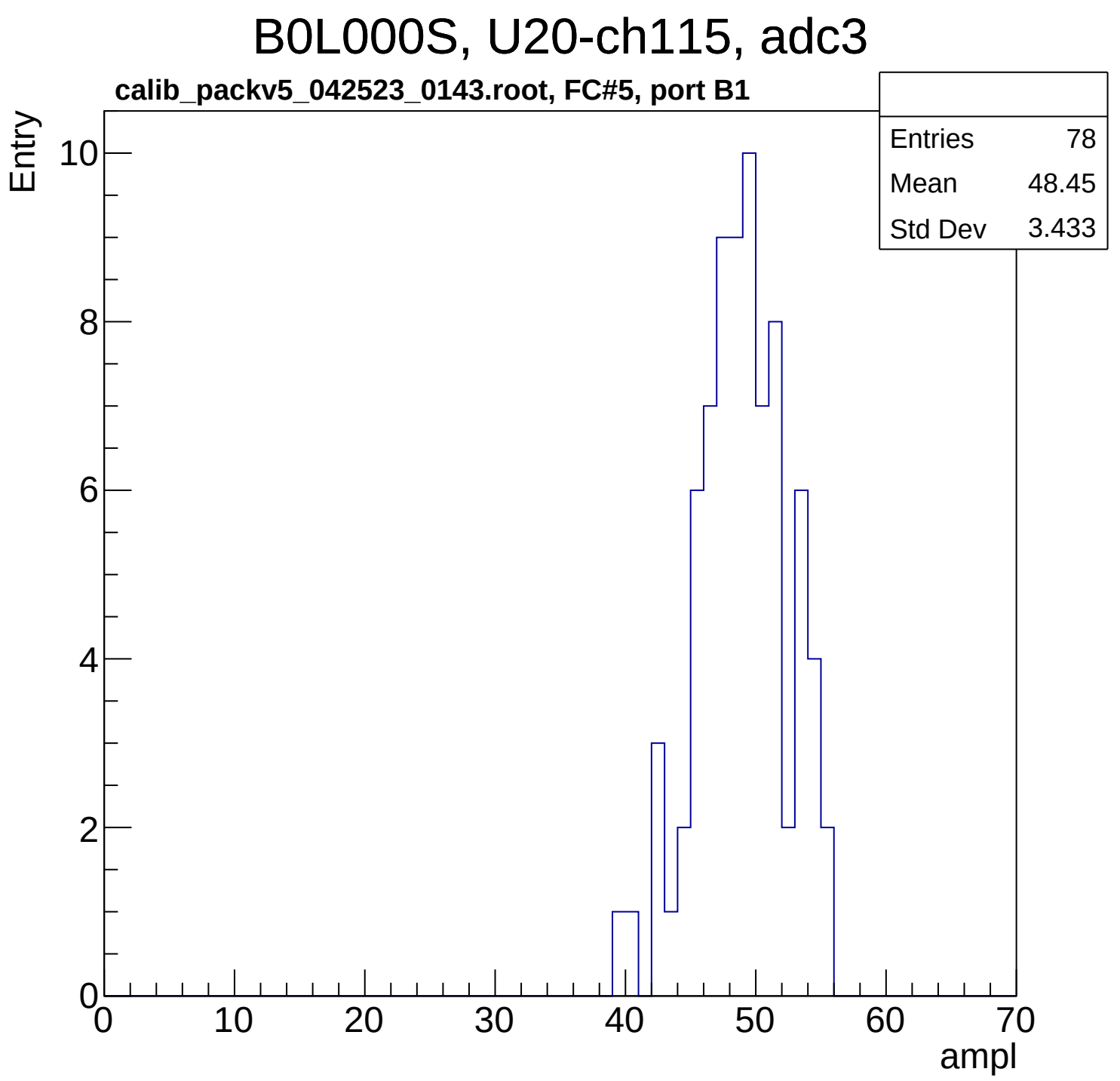
B0L000S, U20-ch115, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 78
Mean 48.45
Std Dev 3.433
Entry
ampl
0
2
4
6
8
10
0
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40
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60
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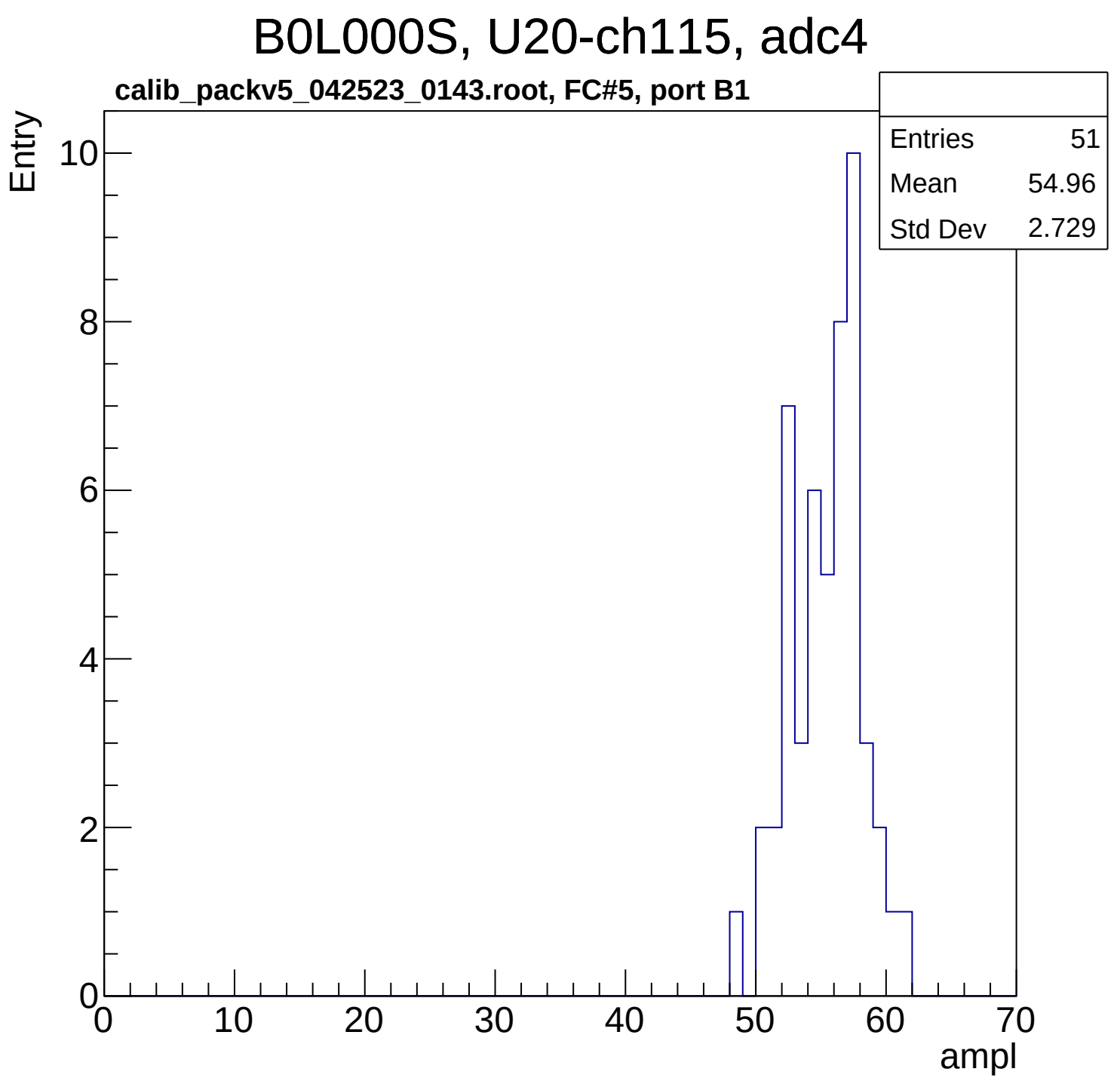
B0L000S, U20-ch115, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 54.96
Std Dev 2.729
Entry
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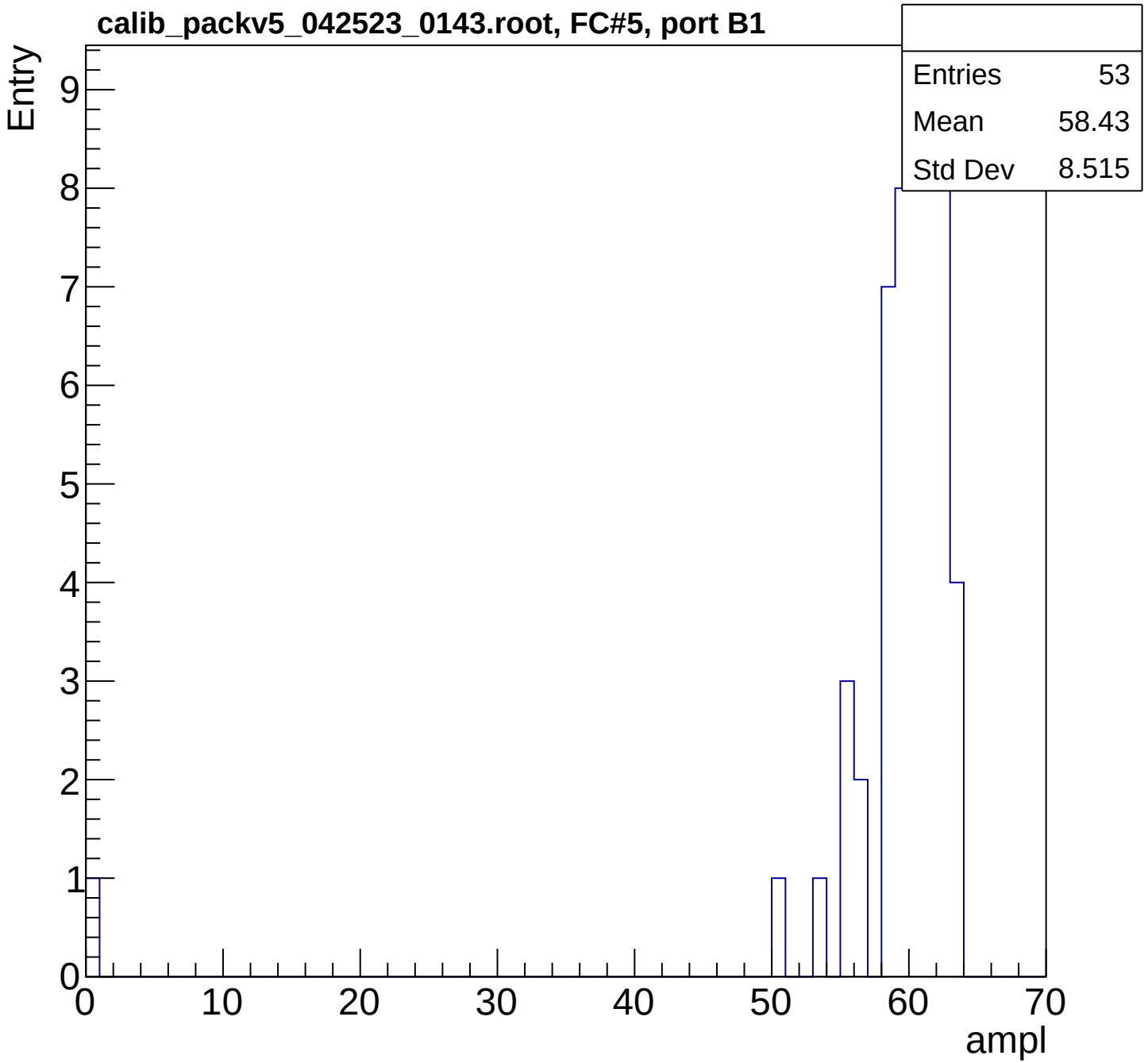
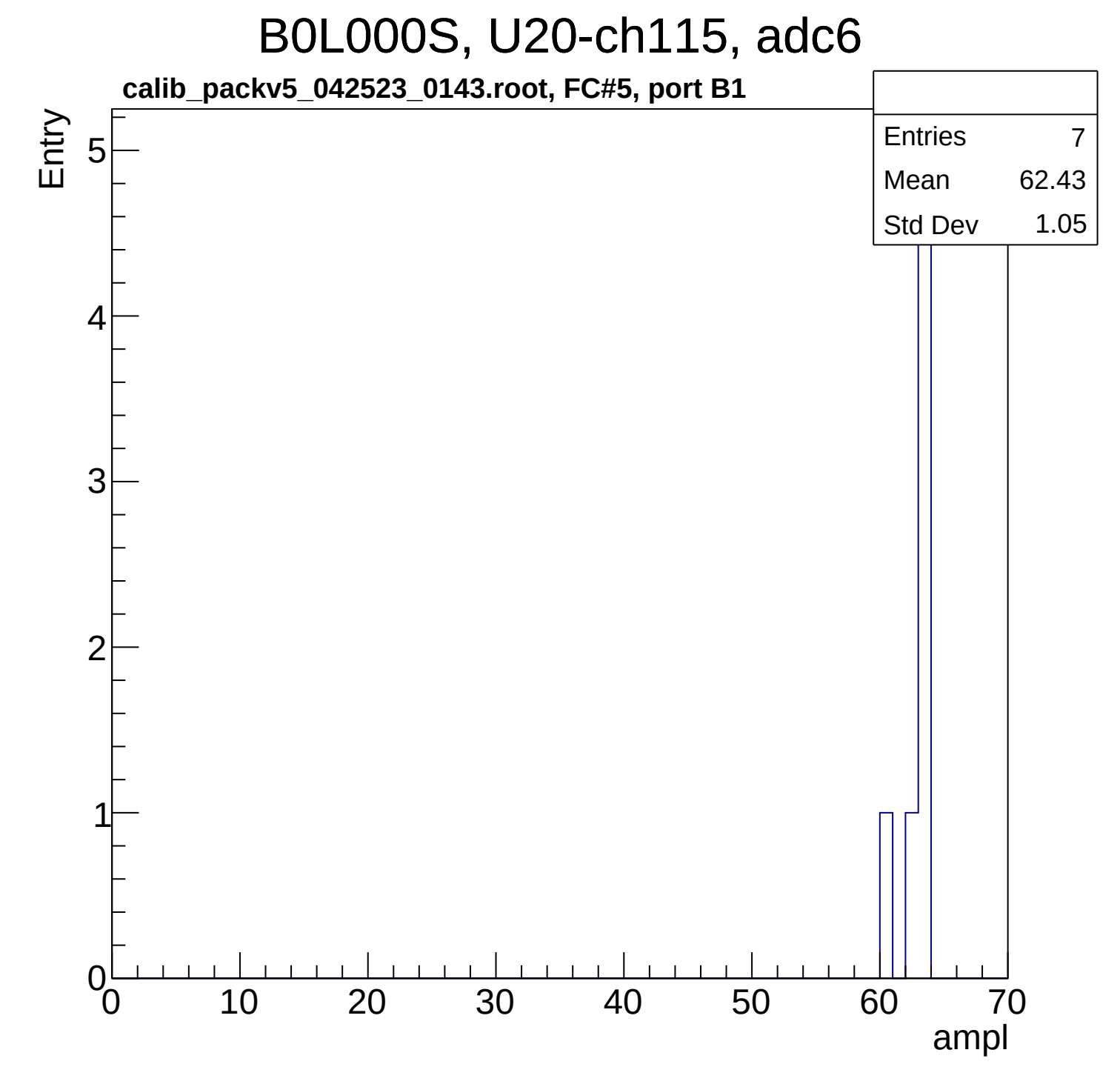
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch115, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 58.43
Std Dev 8.515
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch115, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 62.43
Std Dev 1.05
Entry
0
1
2
3
4
5
0
10
20
30
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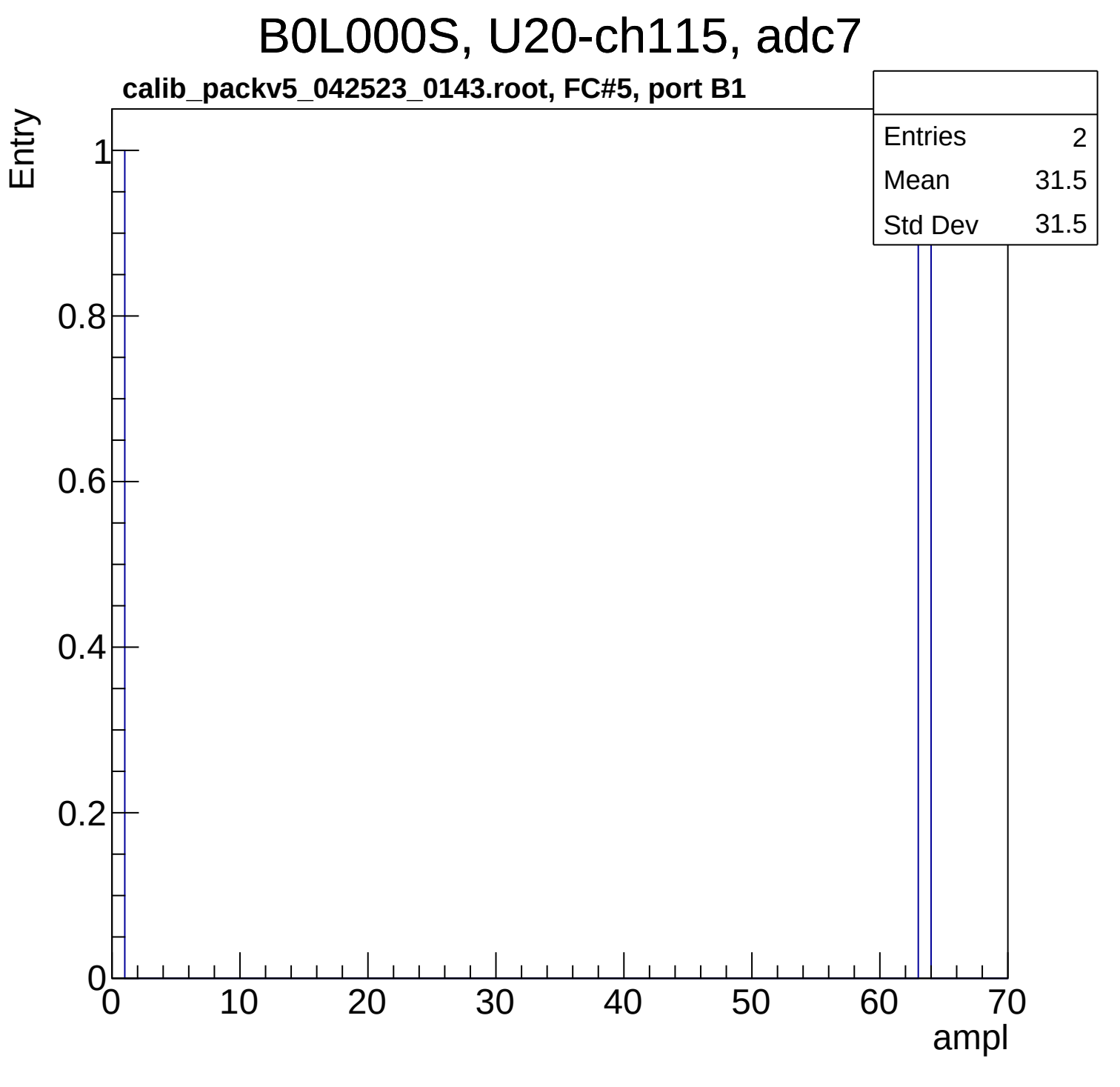
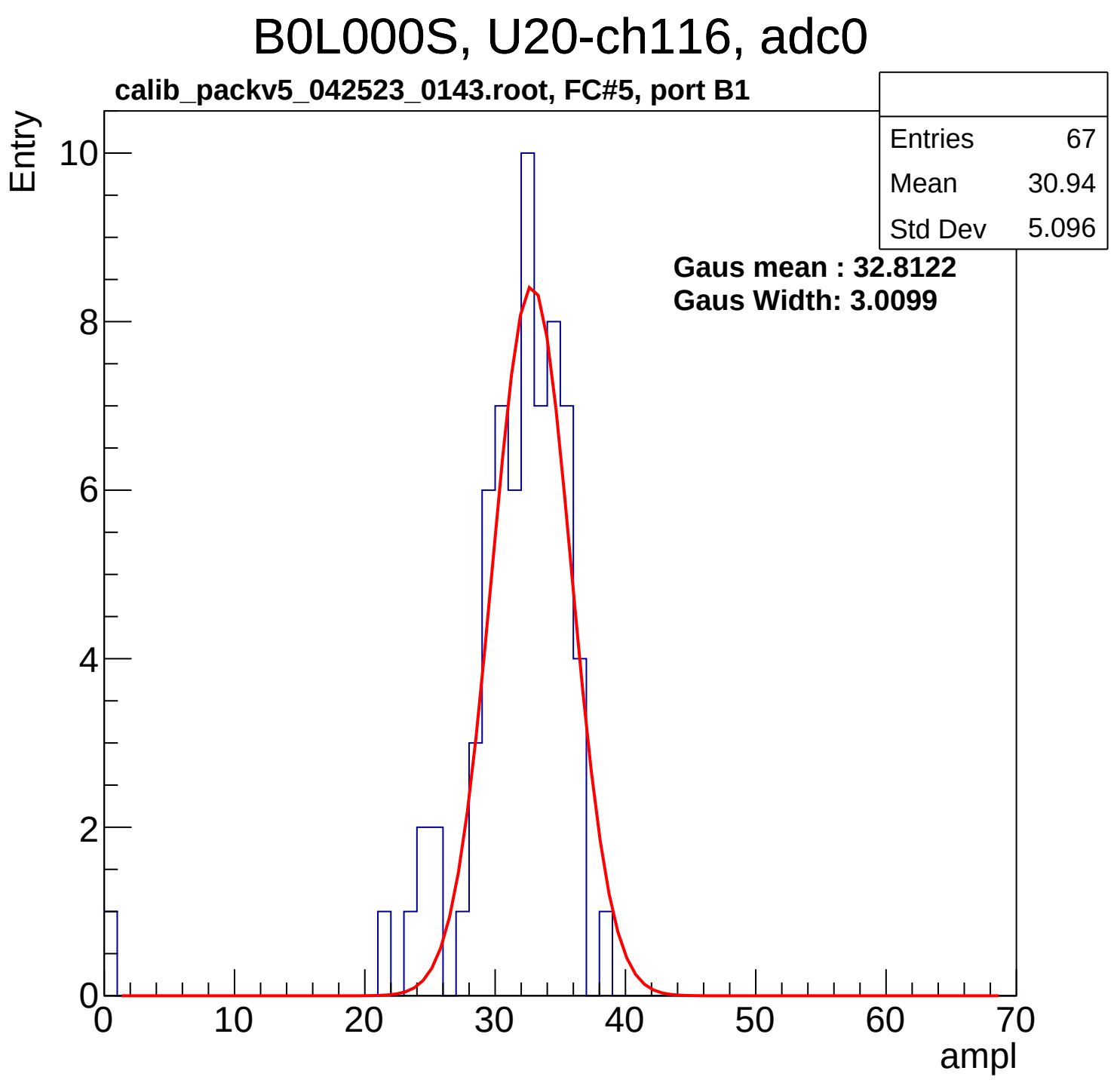
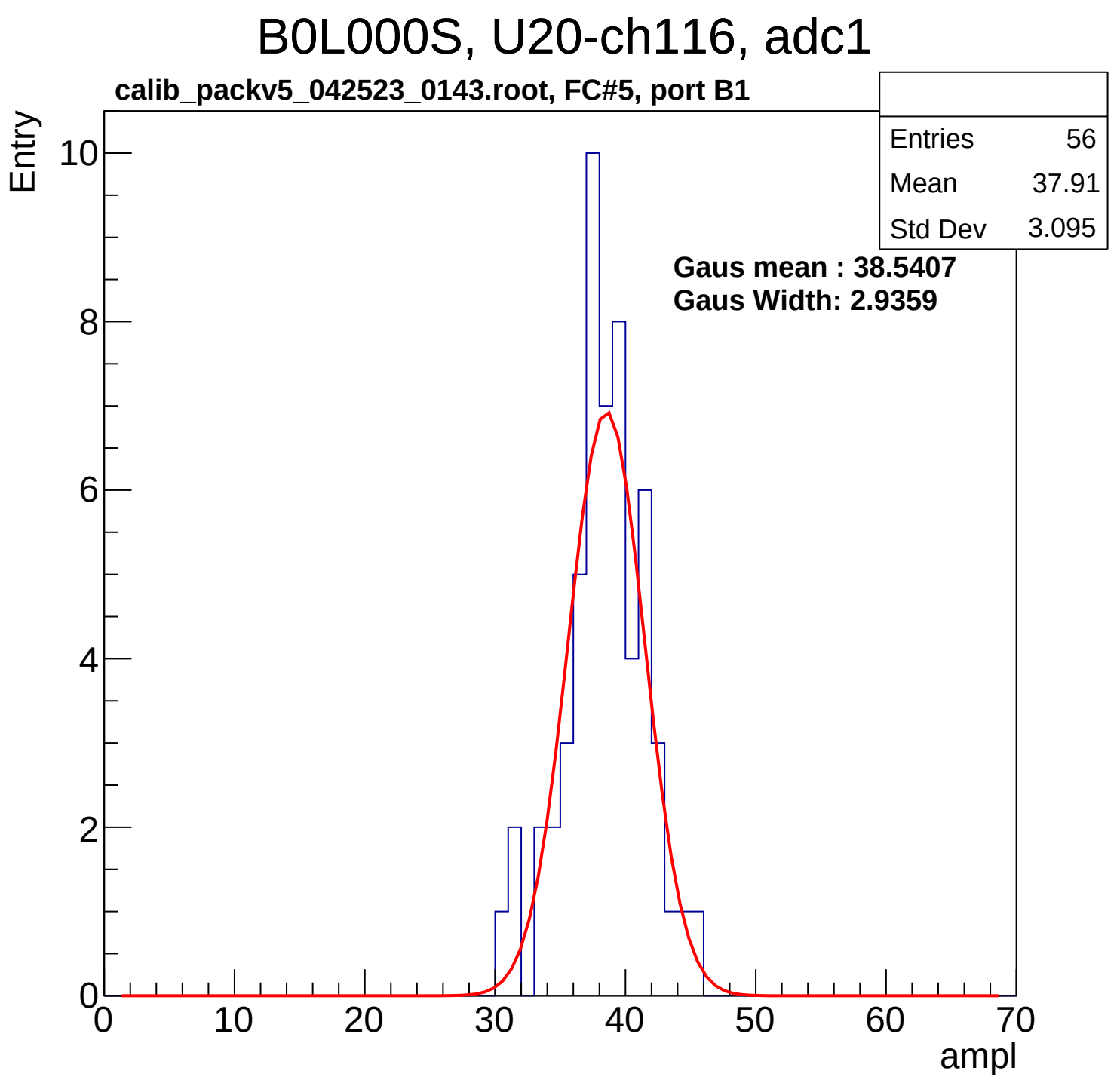
50
60
70
ampl


B0L000S, U20-ch115, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch116, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 30.94
Std Dev 5.096
Gaus mean : 32.8122
Gaus Width: 3.0099
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch116, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 37.91
Std Dev 3.095
Gaus mean : 38.5407
Gaus Width: 2.9359
Entry
ampl
0
2
4
6
8
10
0
10
20
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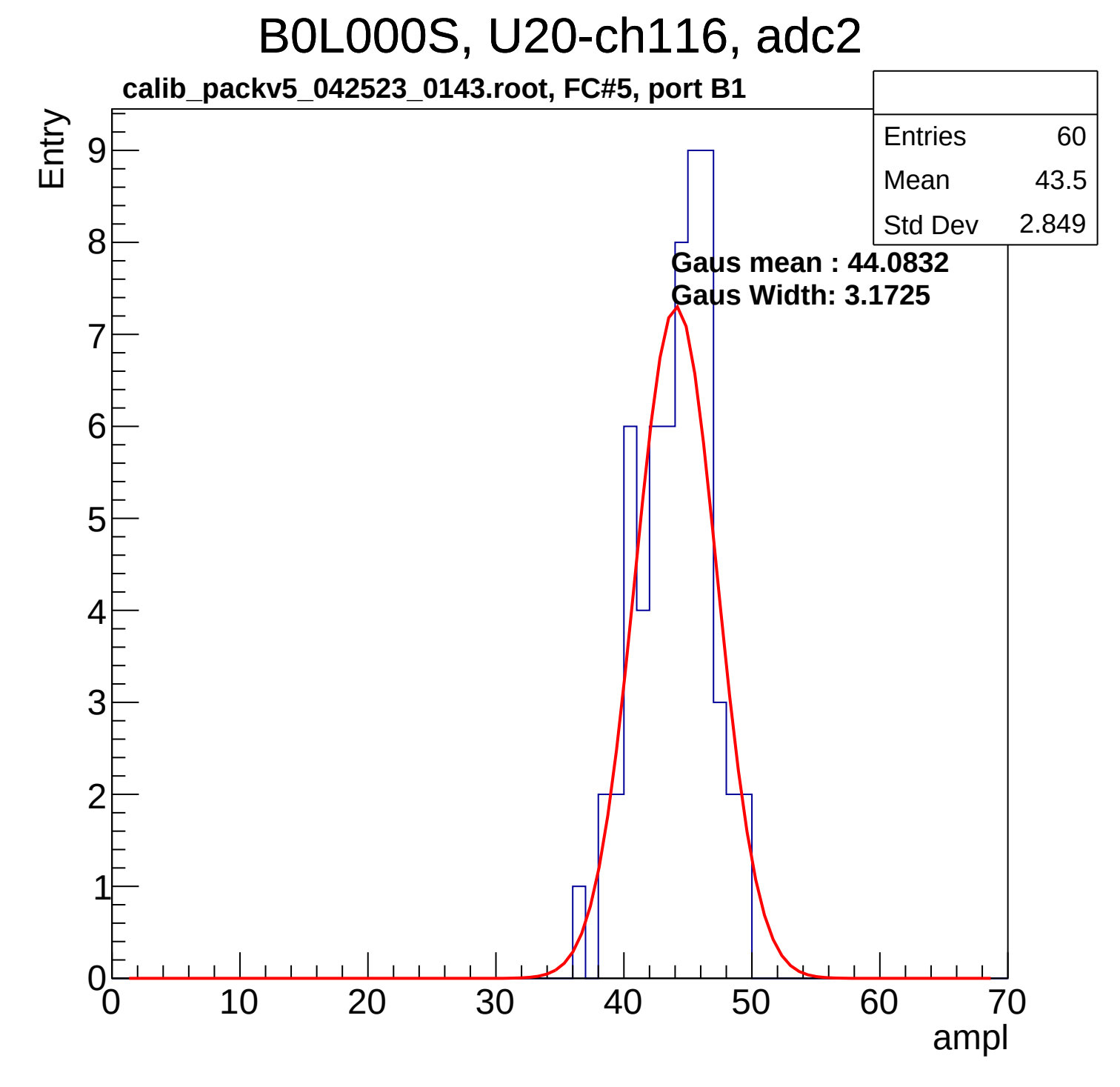
40
50
60
70


B0L000S, U20-ch116, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 43.5
Std Dev 2.849
Gaus mean : 44.0832
Gaus Width: 3.1725
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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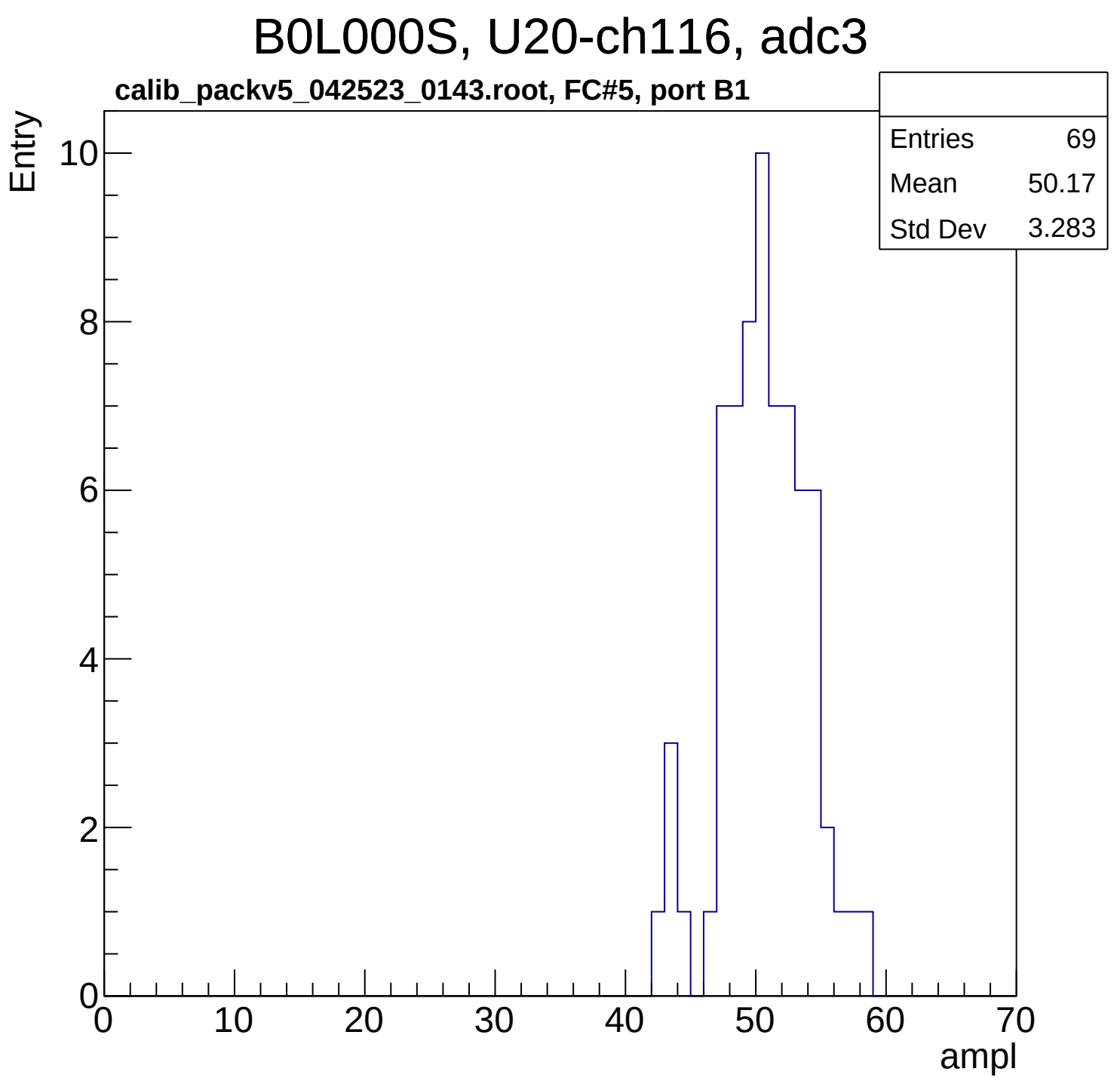
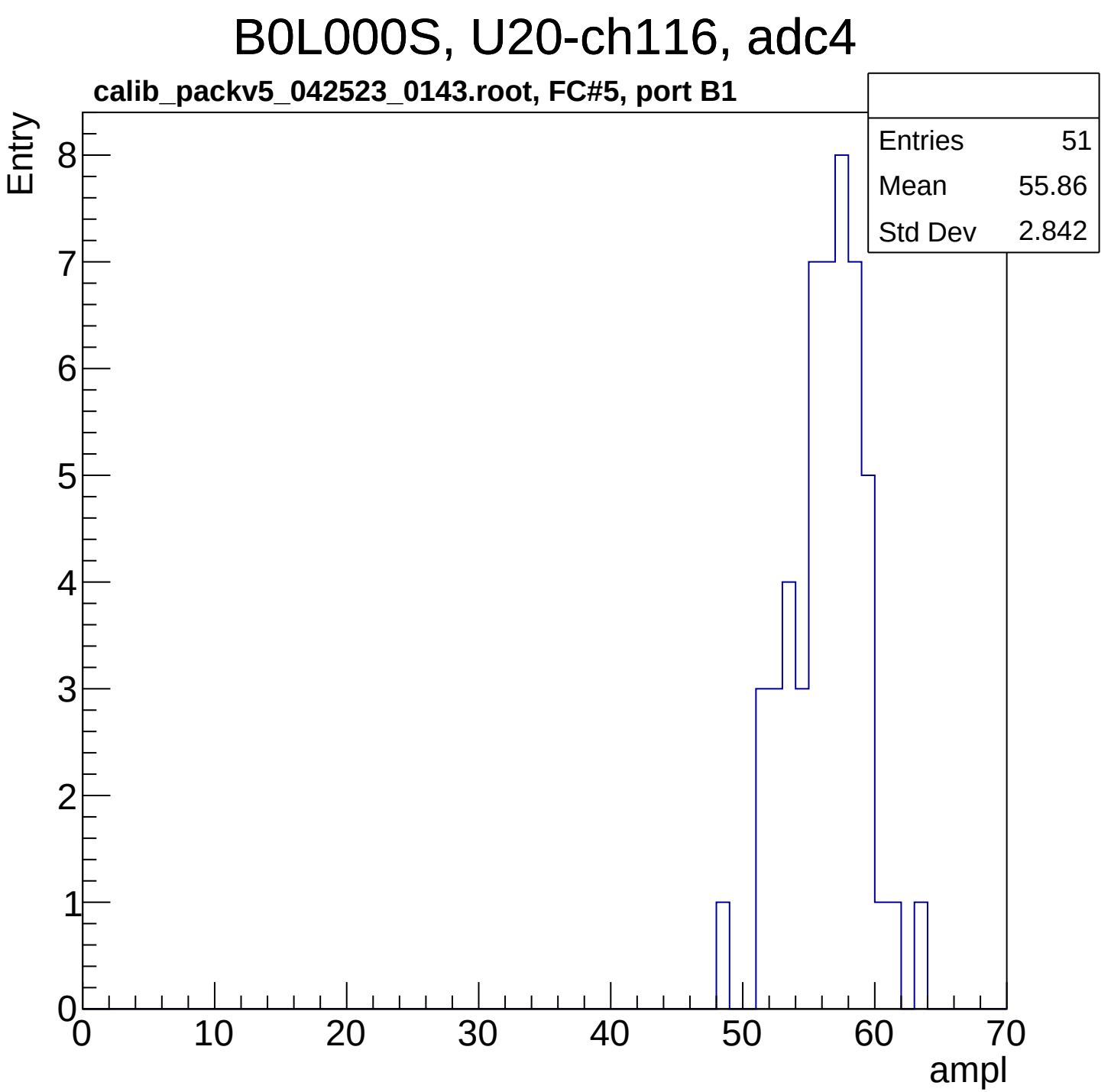
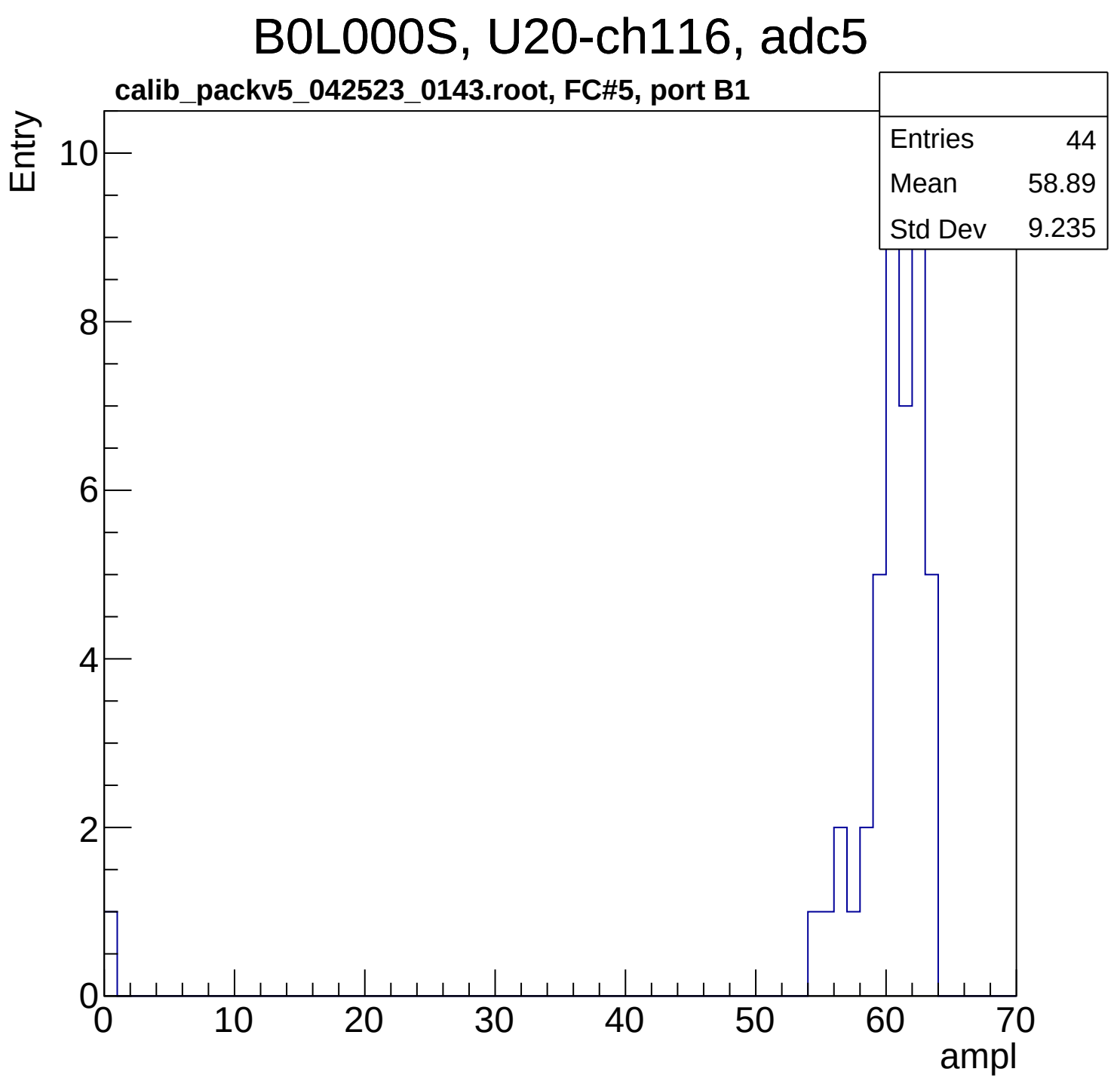

B0L000S, U20-ch116, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 69
Mean 50.17
Std Dev 3.283
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch116, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 55.86
Std Dev 2.842
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch116, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 58.89
Std Dev 9.235
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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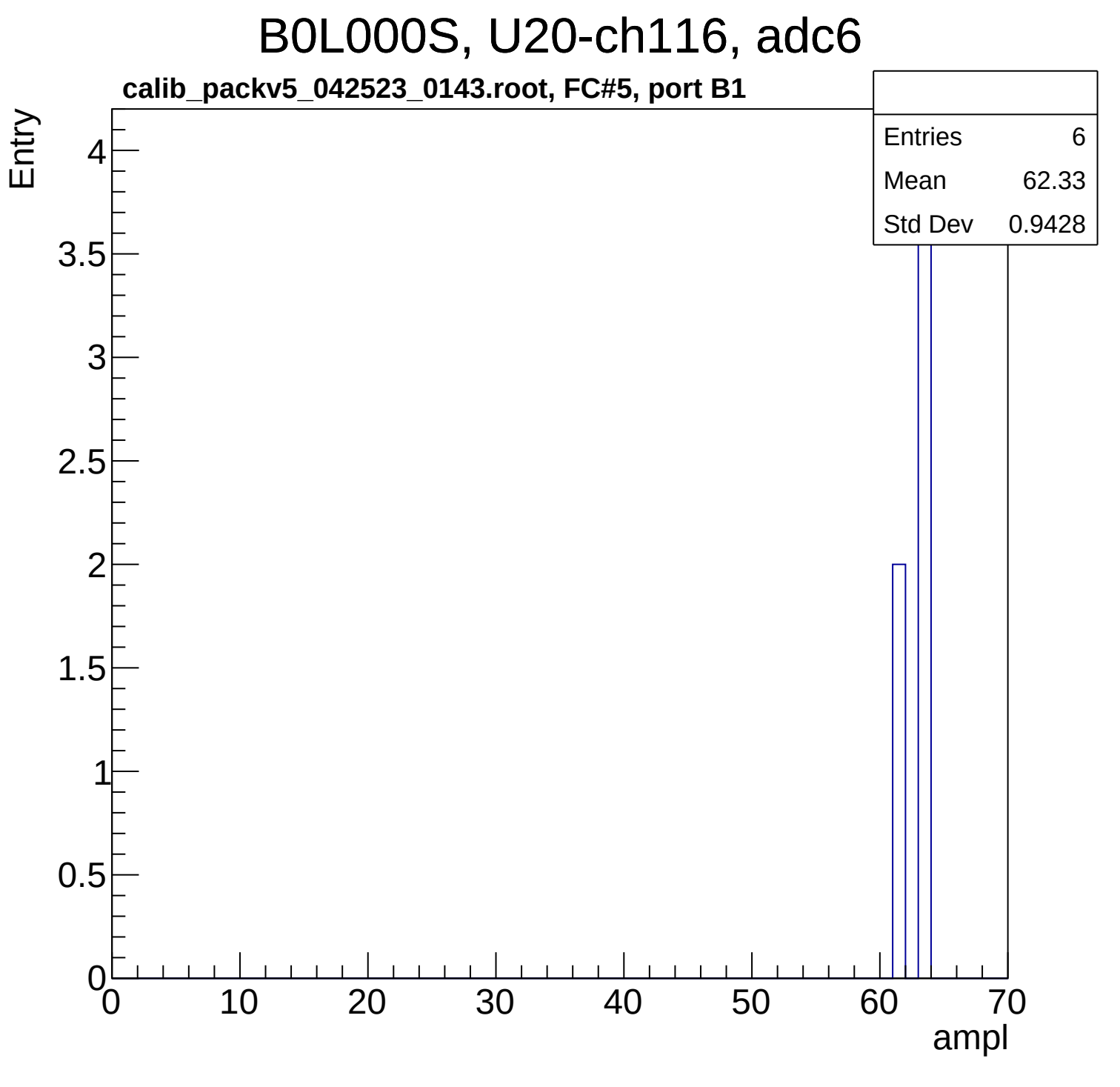
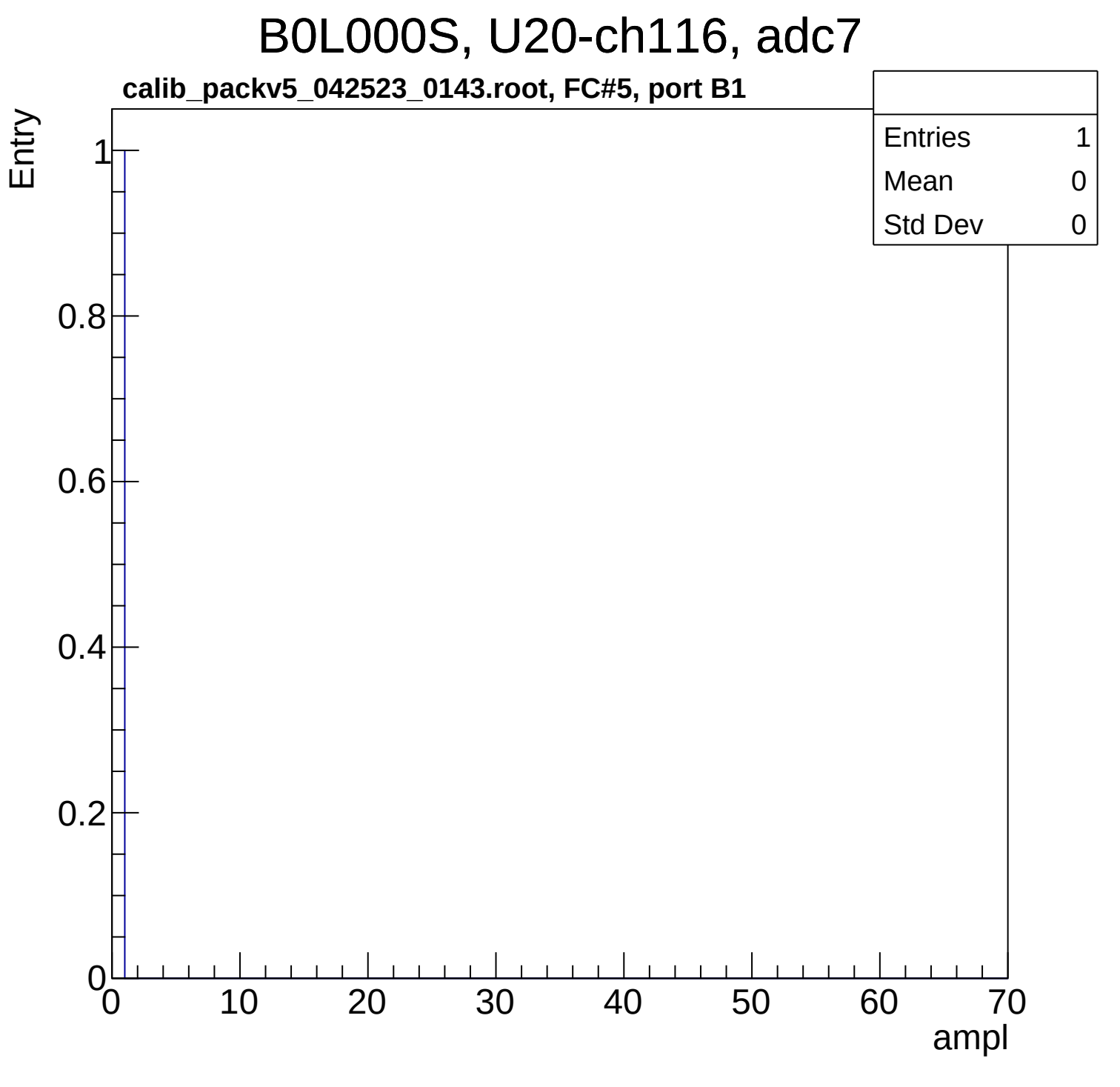
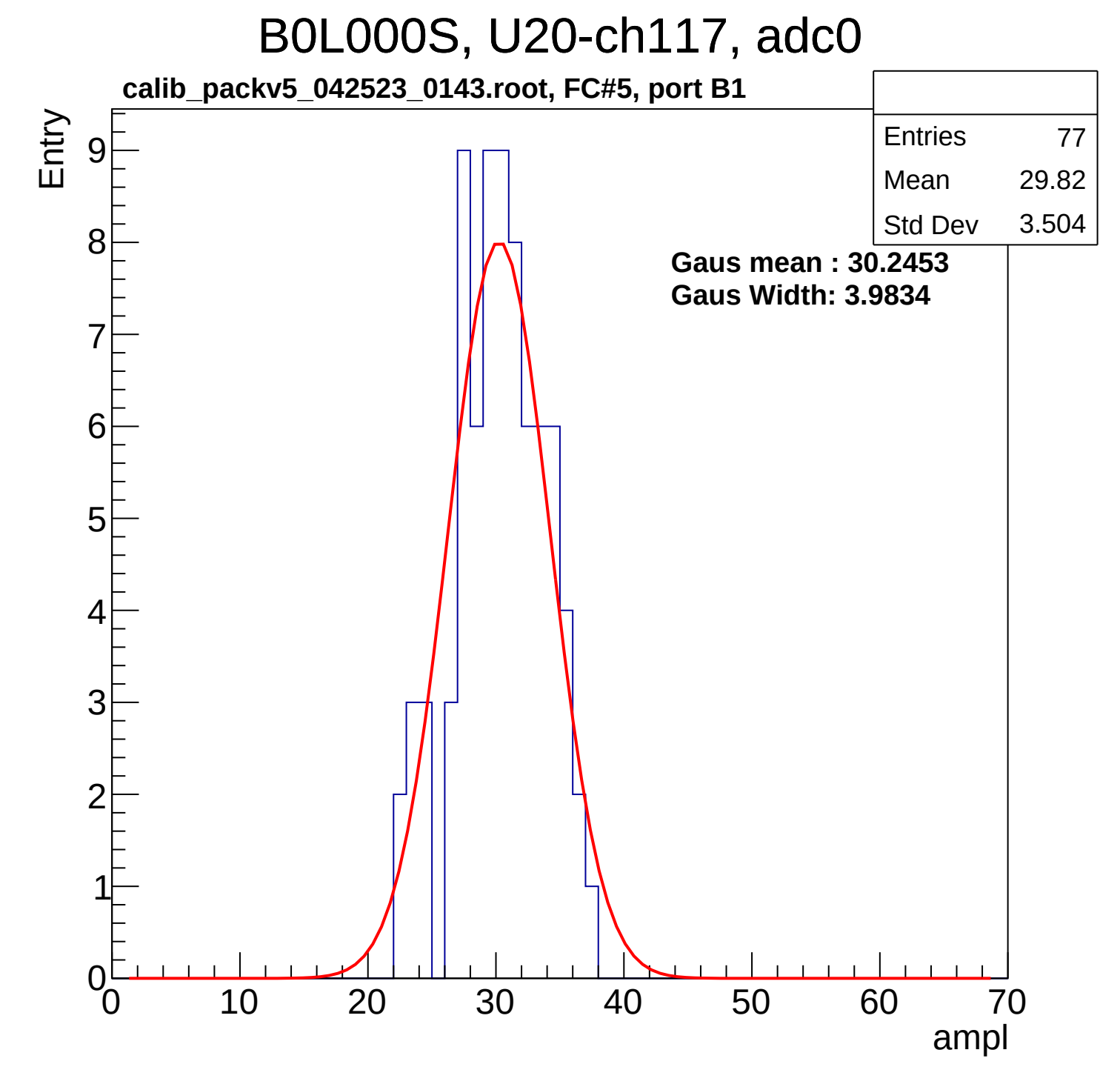
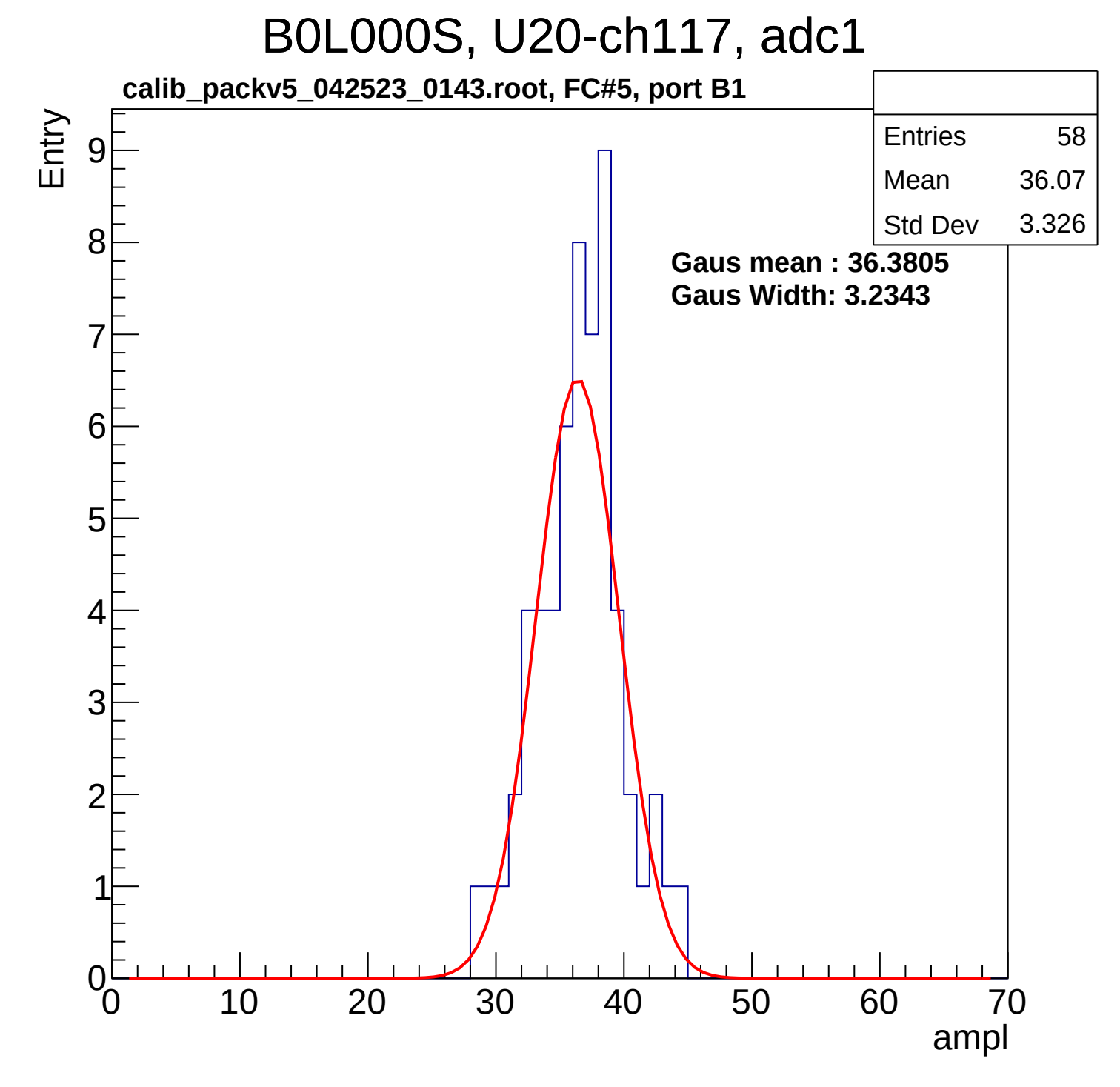

B0L000S, U20-ch116, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 62.33
Std Dev 0.9428
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch116, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch117, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 29.82
Std Dev 3.504
Gaus mean : 30.2453
Gaus Width: 3.9834
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch117, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 36.07
Std Dev 3.326
Gaus mean : 36.3805
Gaus Width: 3.2343
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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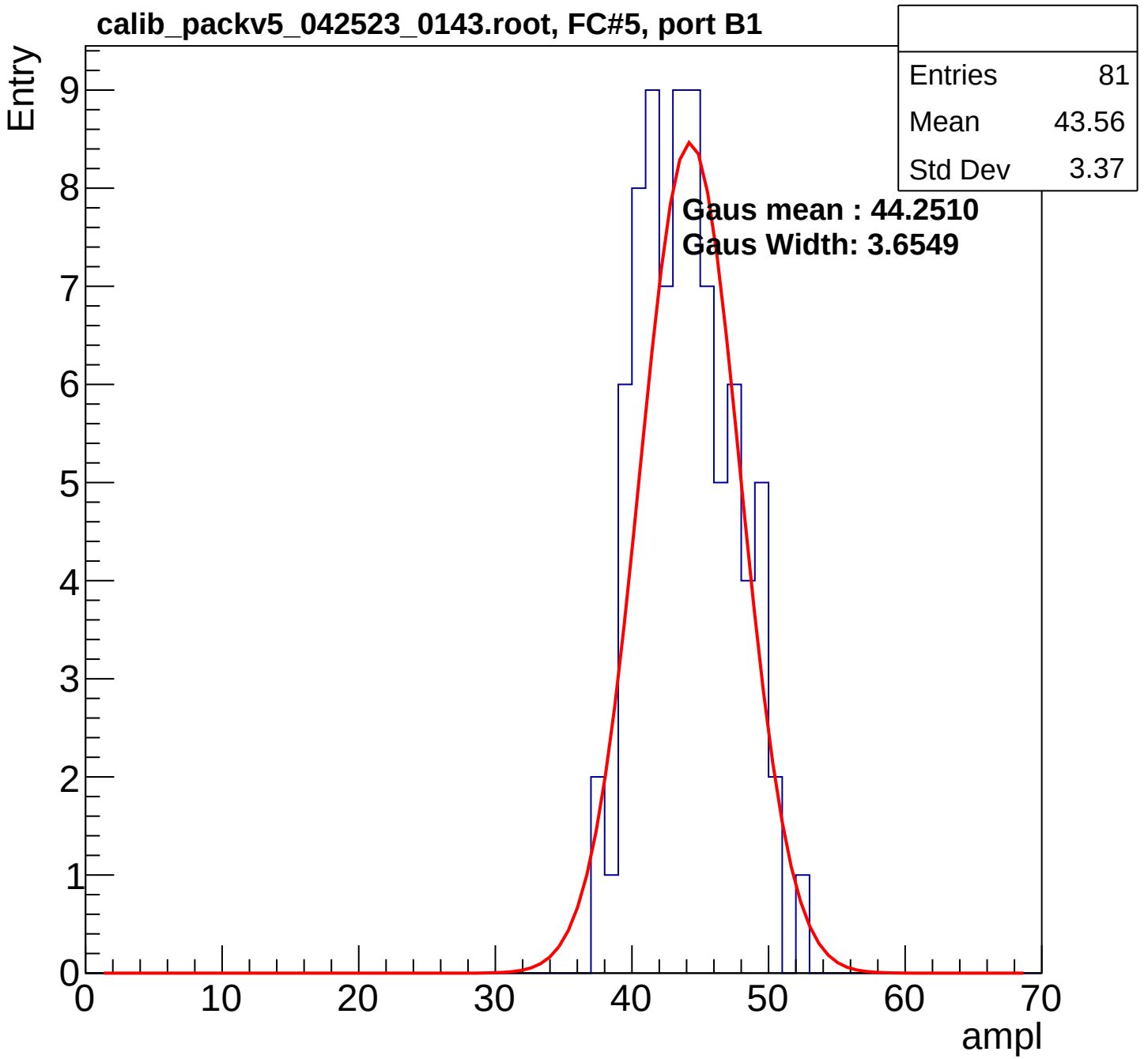
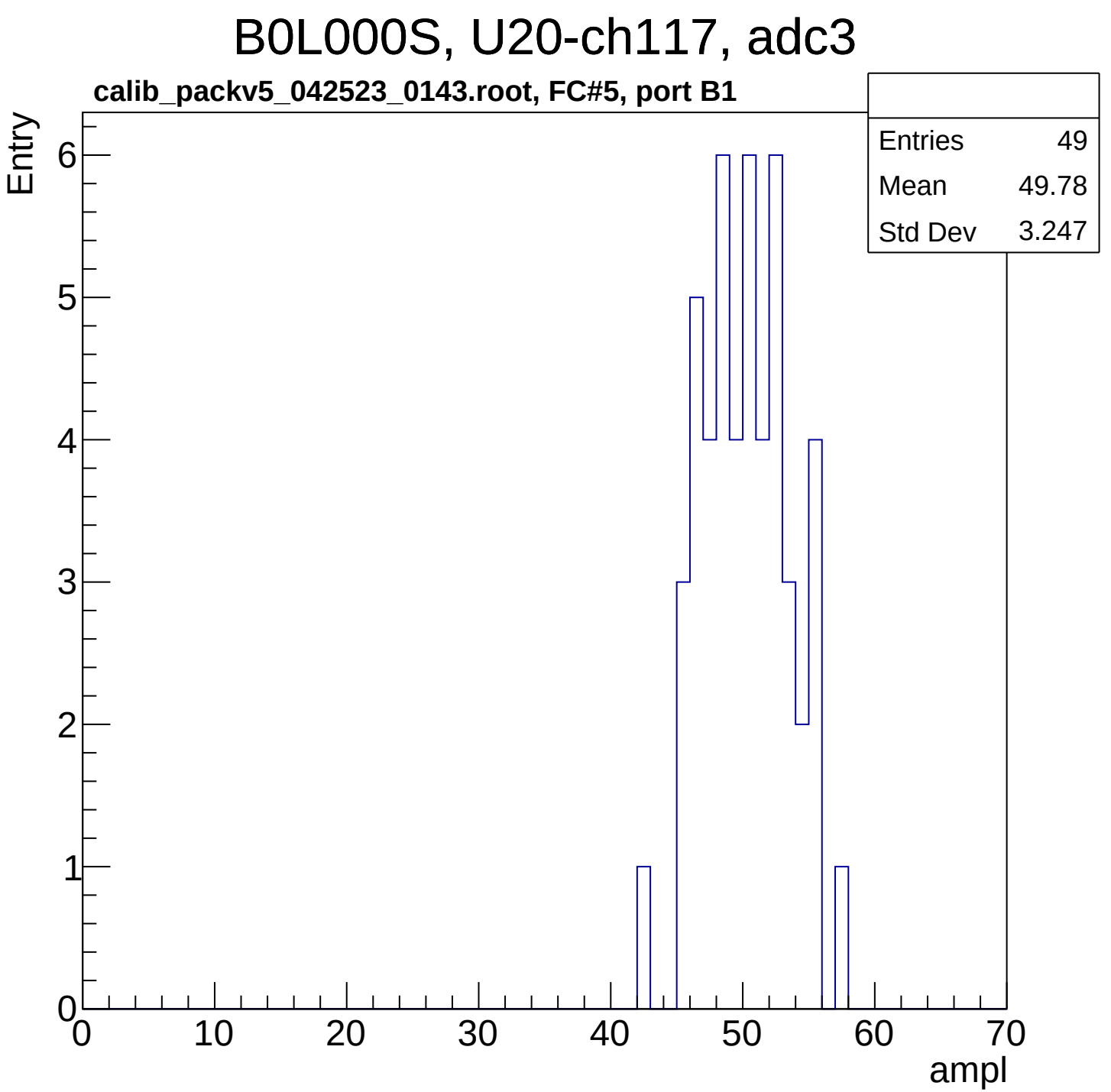
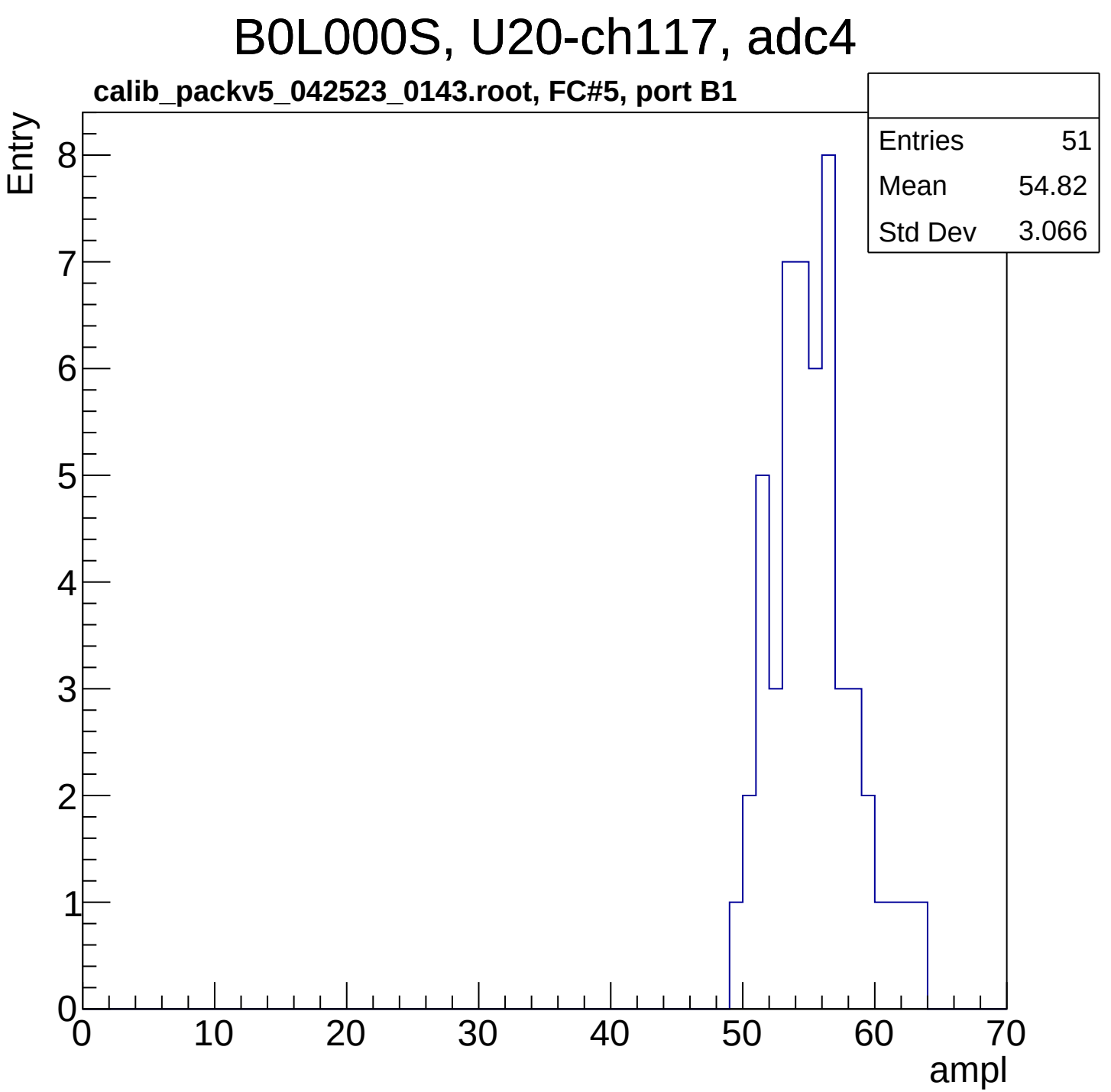
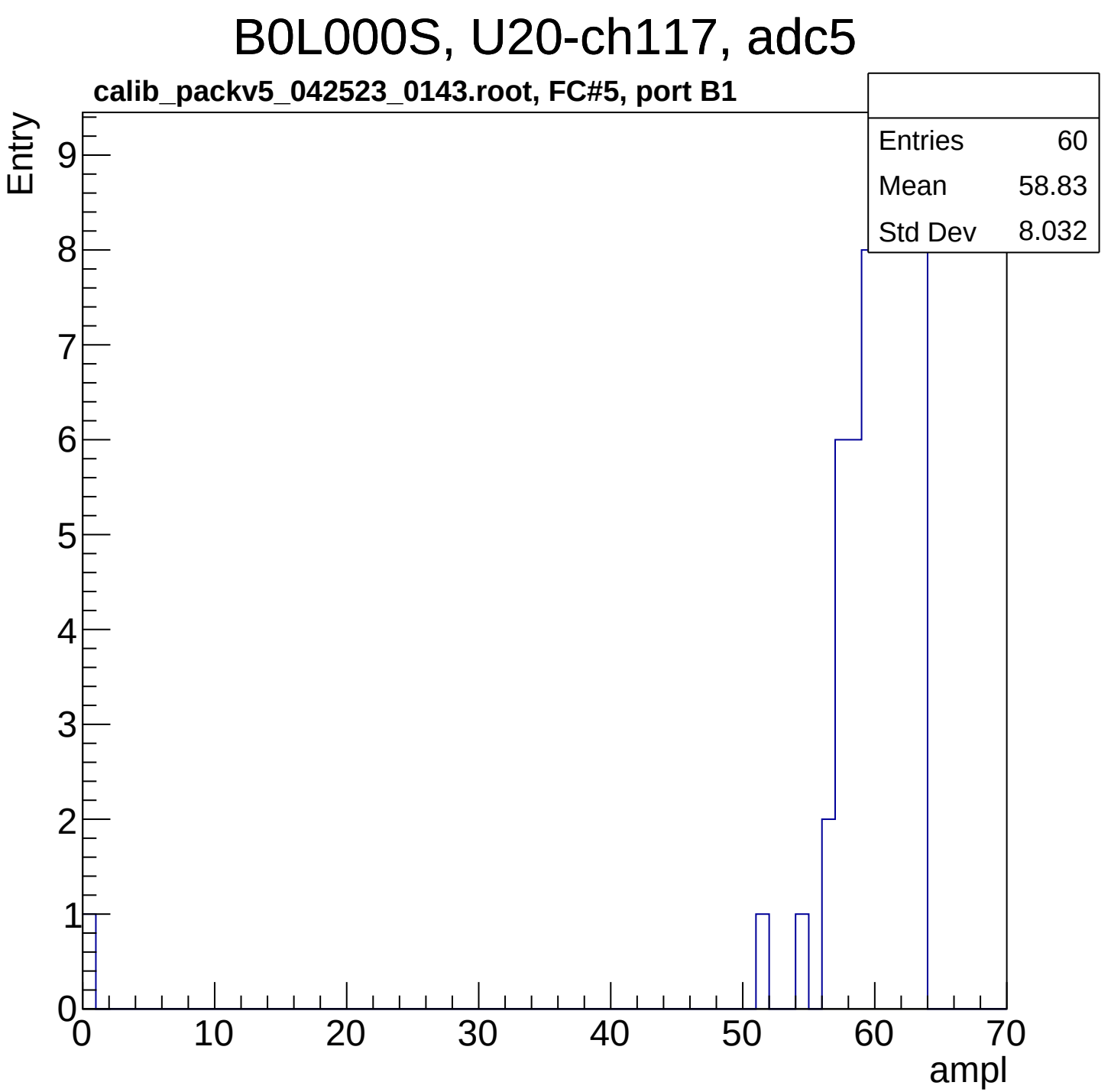

B0L000S, U20-ch117, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 81
Mean 43.56
Std Dev 3.37
Gaus mean : 44.2510
Gaus Width: 3.6549
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch117, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 49.78
Std Dev 3.247
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L000S, U20-ch117, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 54.82
Std Dev 3.066
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch117, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 58.83
Std Dev 8.032
Entry
ampl
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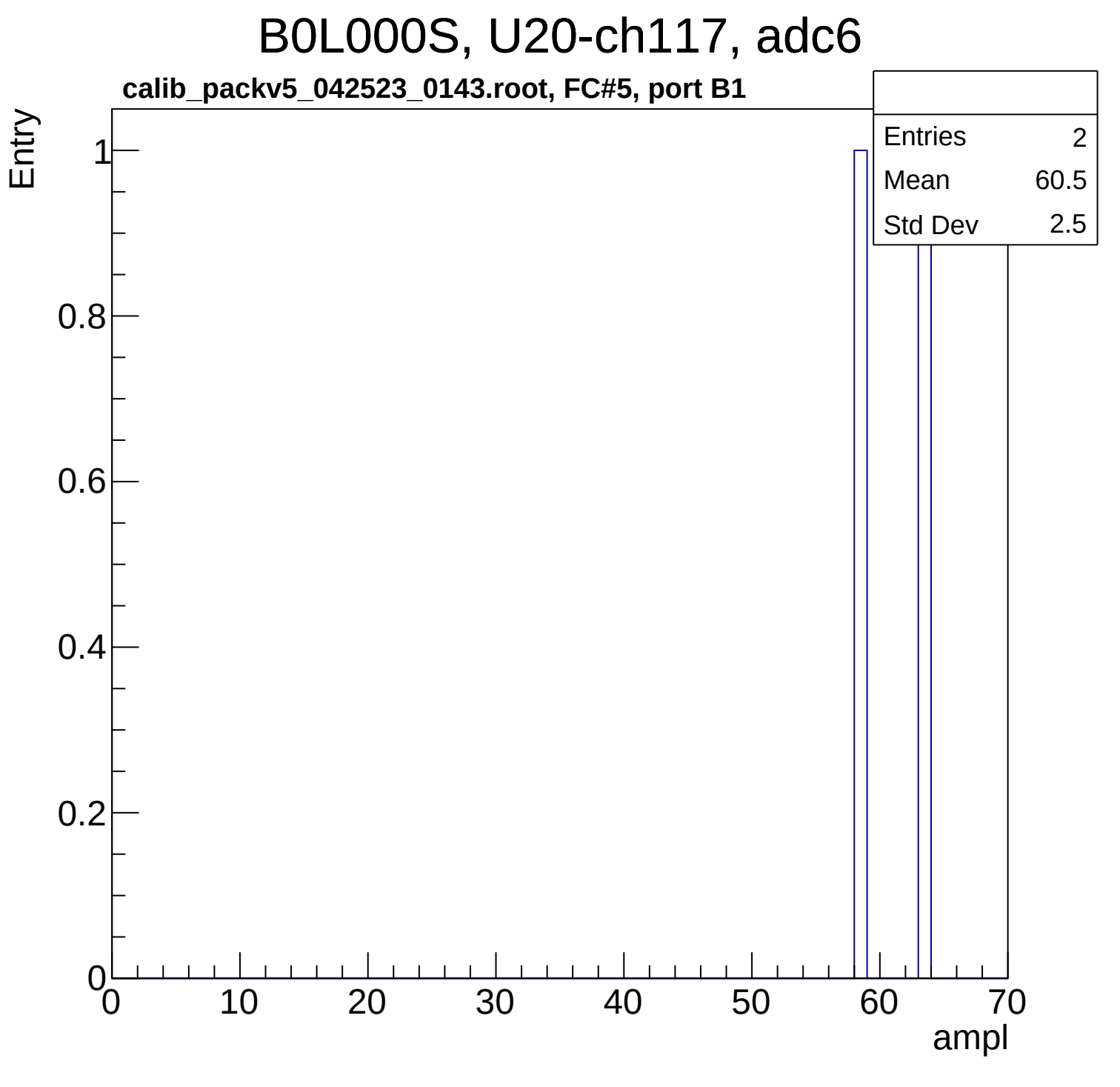
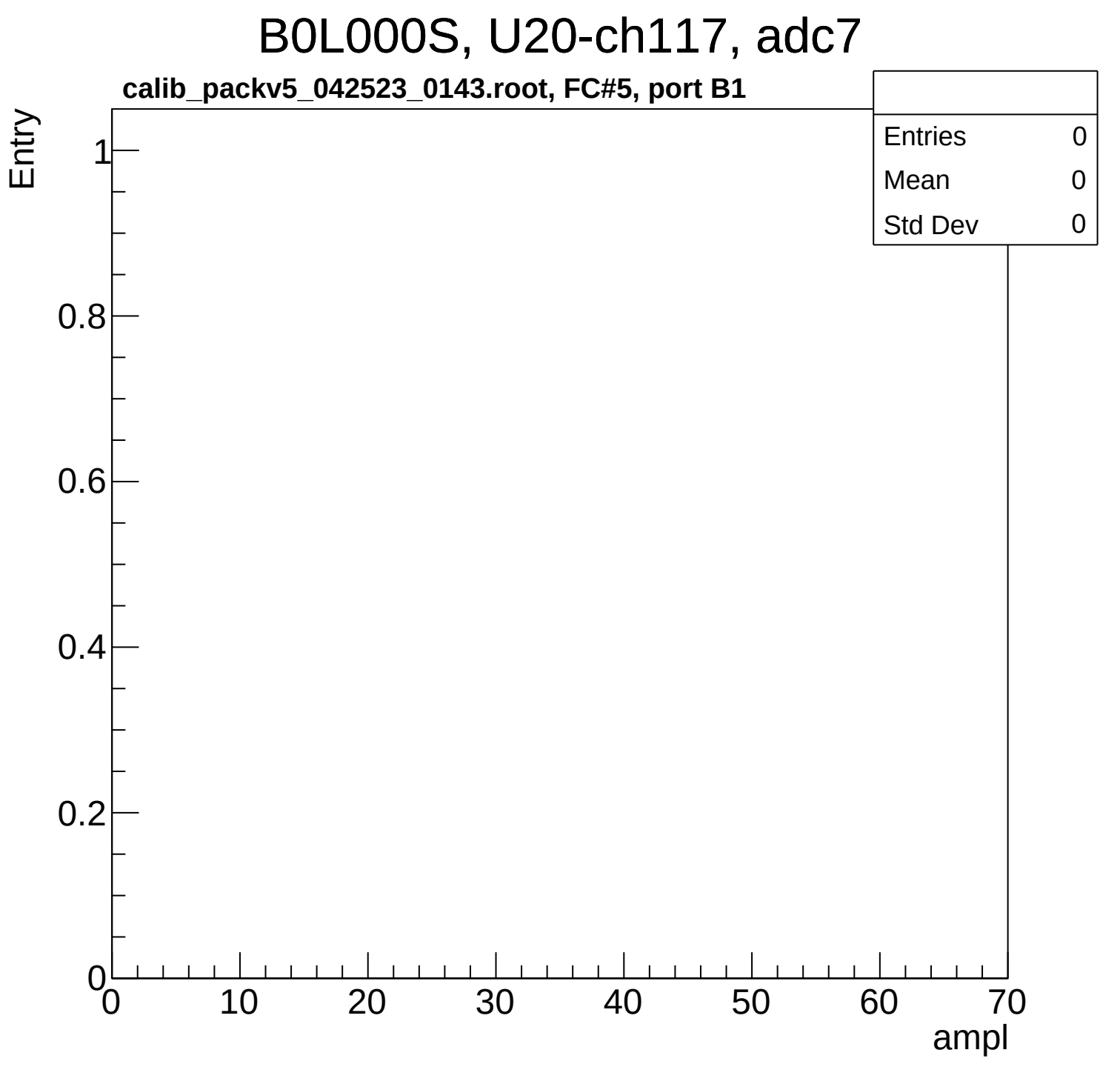
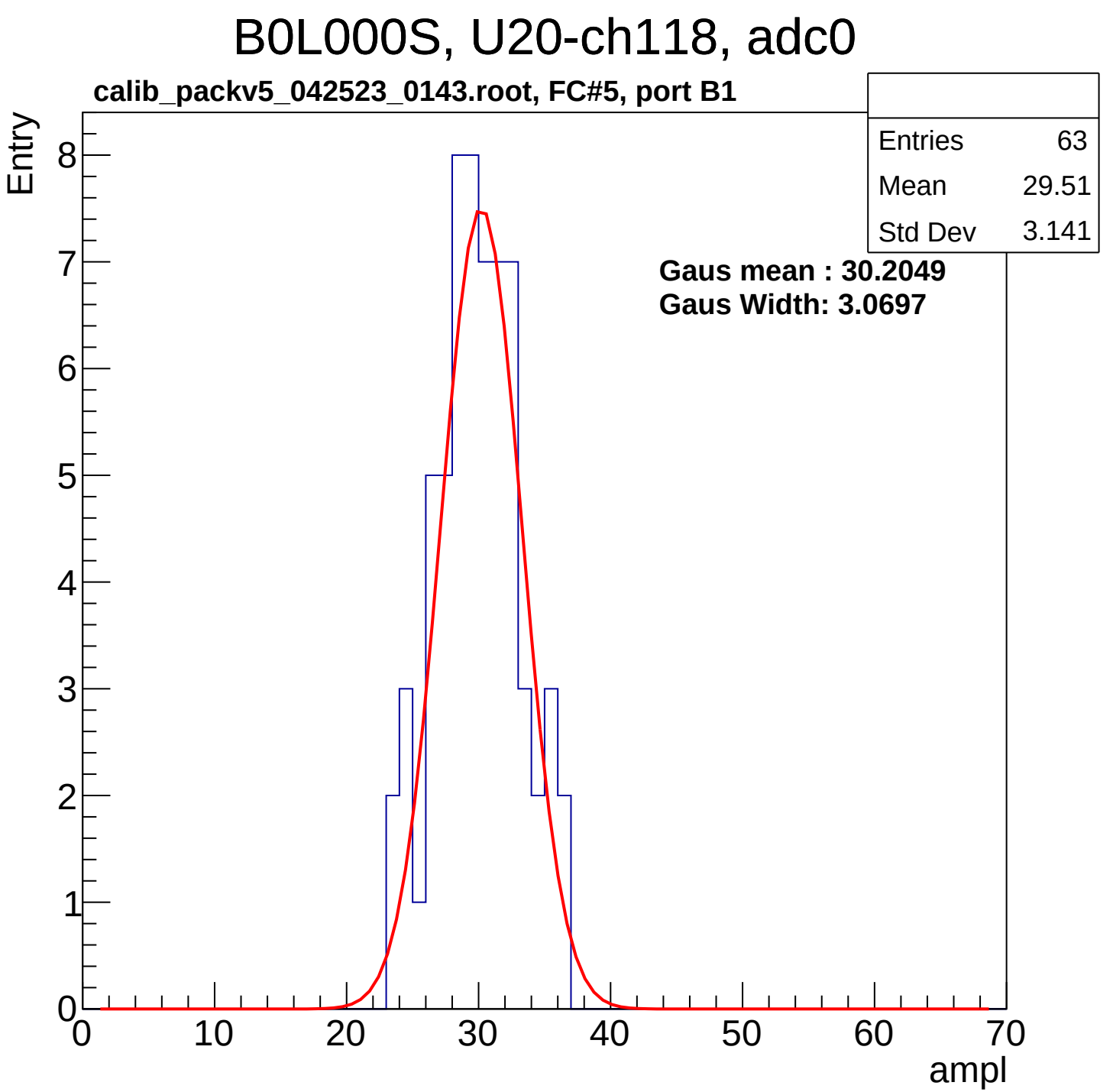
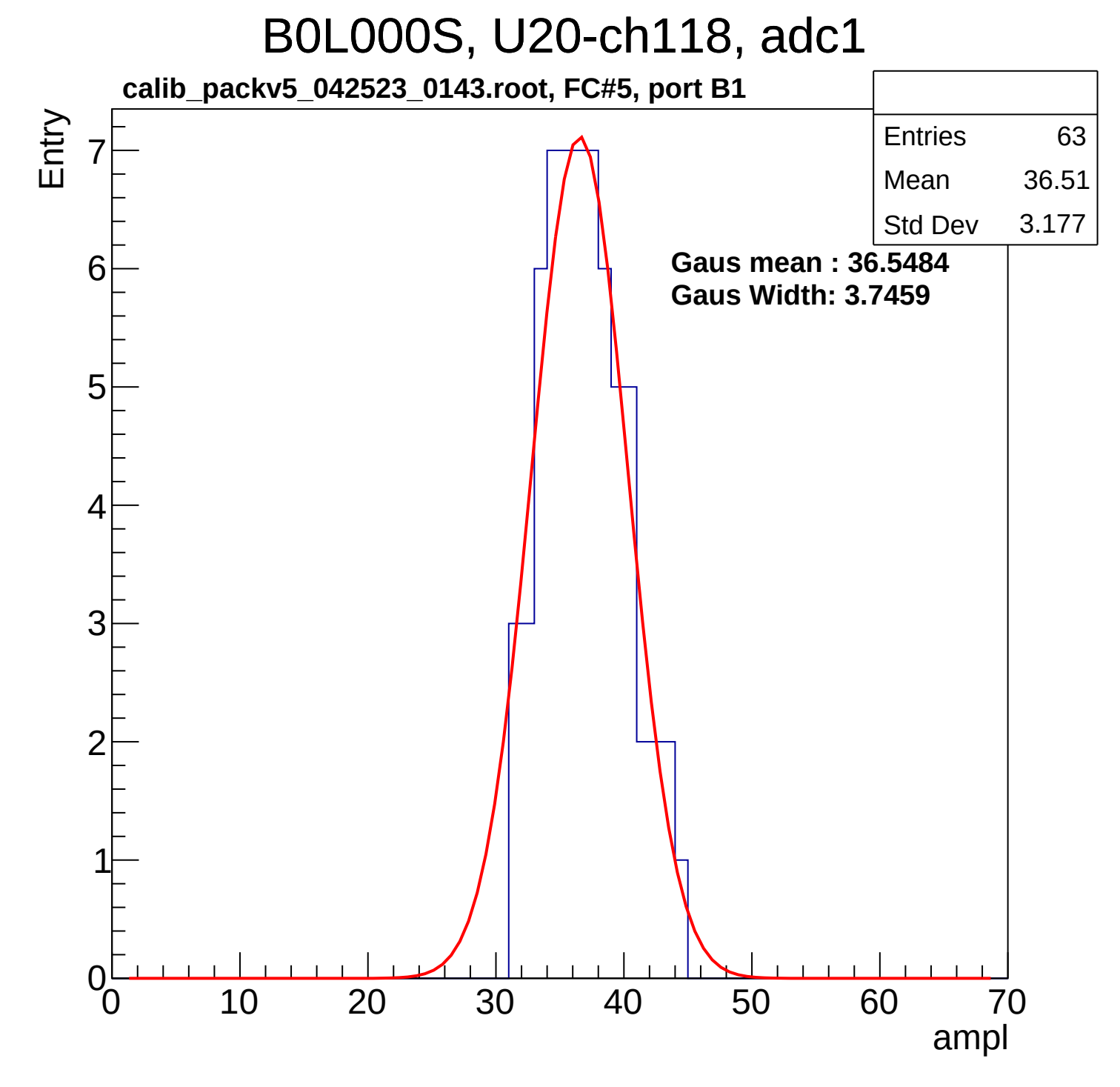
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch117, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 60.5
Std Dev 2.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch117, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch118, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 29.51
Std Dev 3.141
Gaus mean : 30.2049
Gaus Width: 3.0697
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch118, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 63
Mean 36.51
Std Dev 3.177
Gaus mean : 36.5484
Gaus Width: 3.7459
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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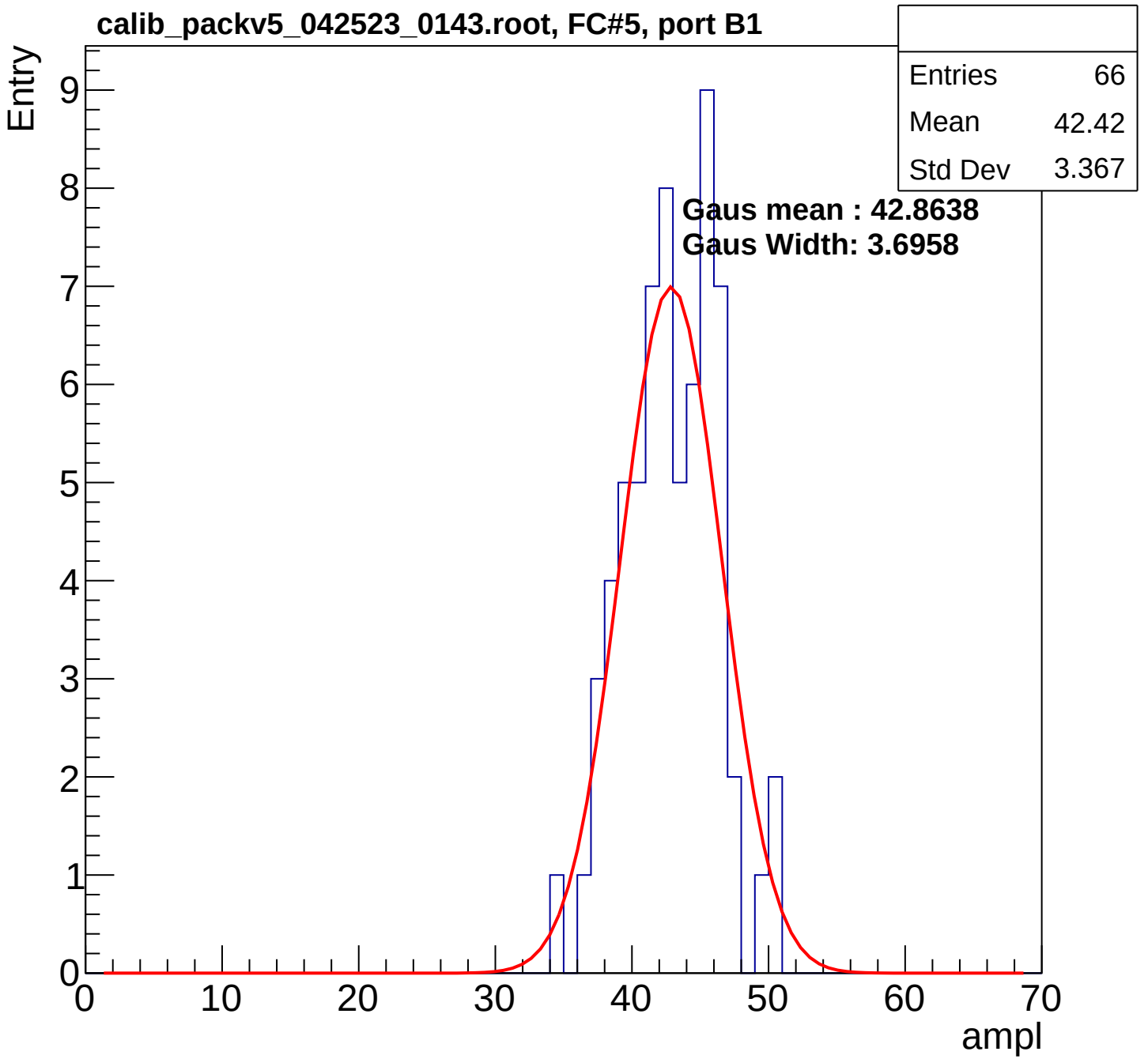
40
50
60
70


B0L000S, U20-ch118, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 42.42
Std Dev 3.367
Gaus mean : 42.8638
Gaus Width: 3.6958
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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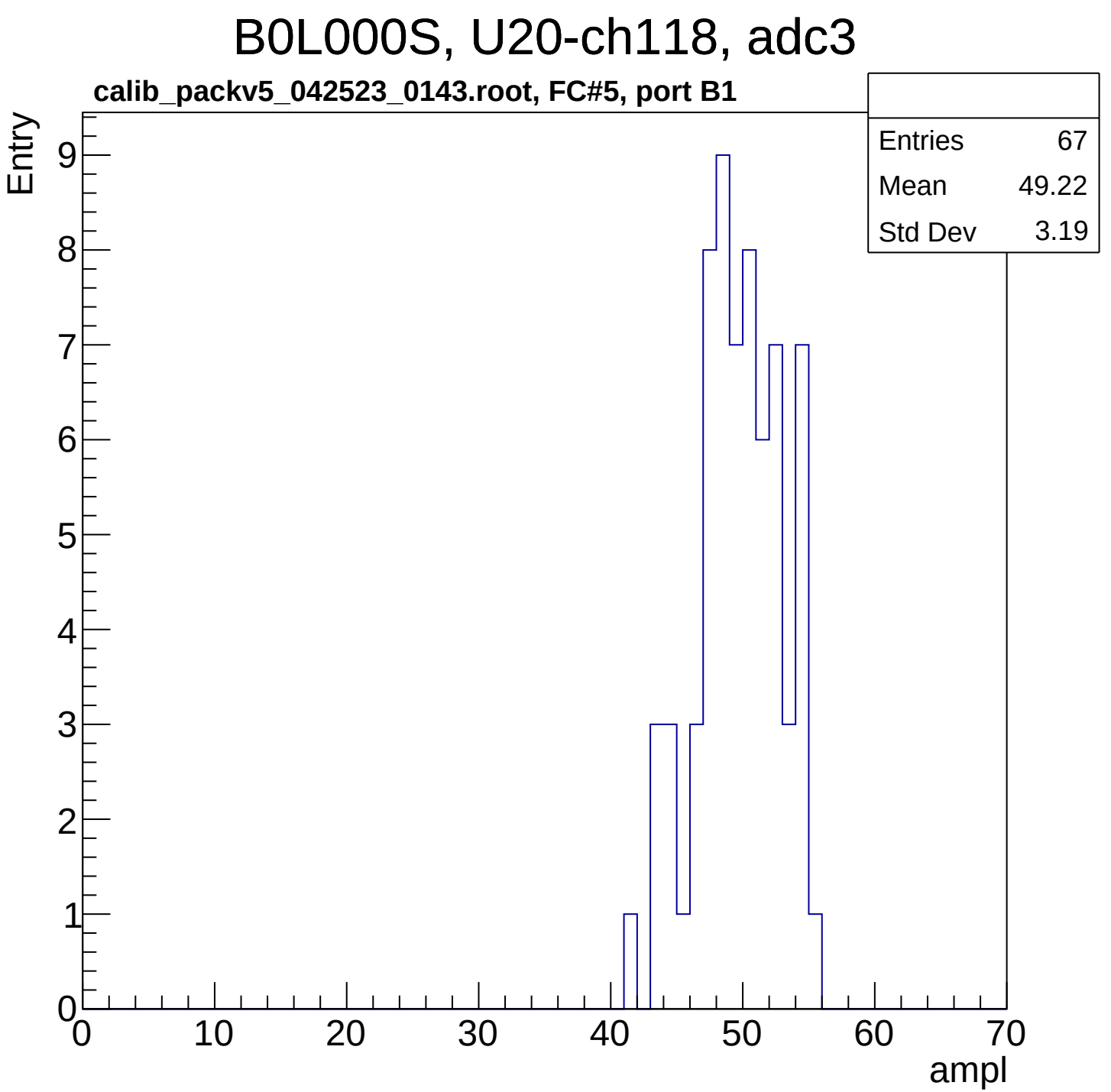
B0L000S, U20-ch118, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 49.22
Std Dev 3.19
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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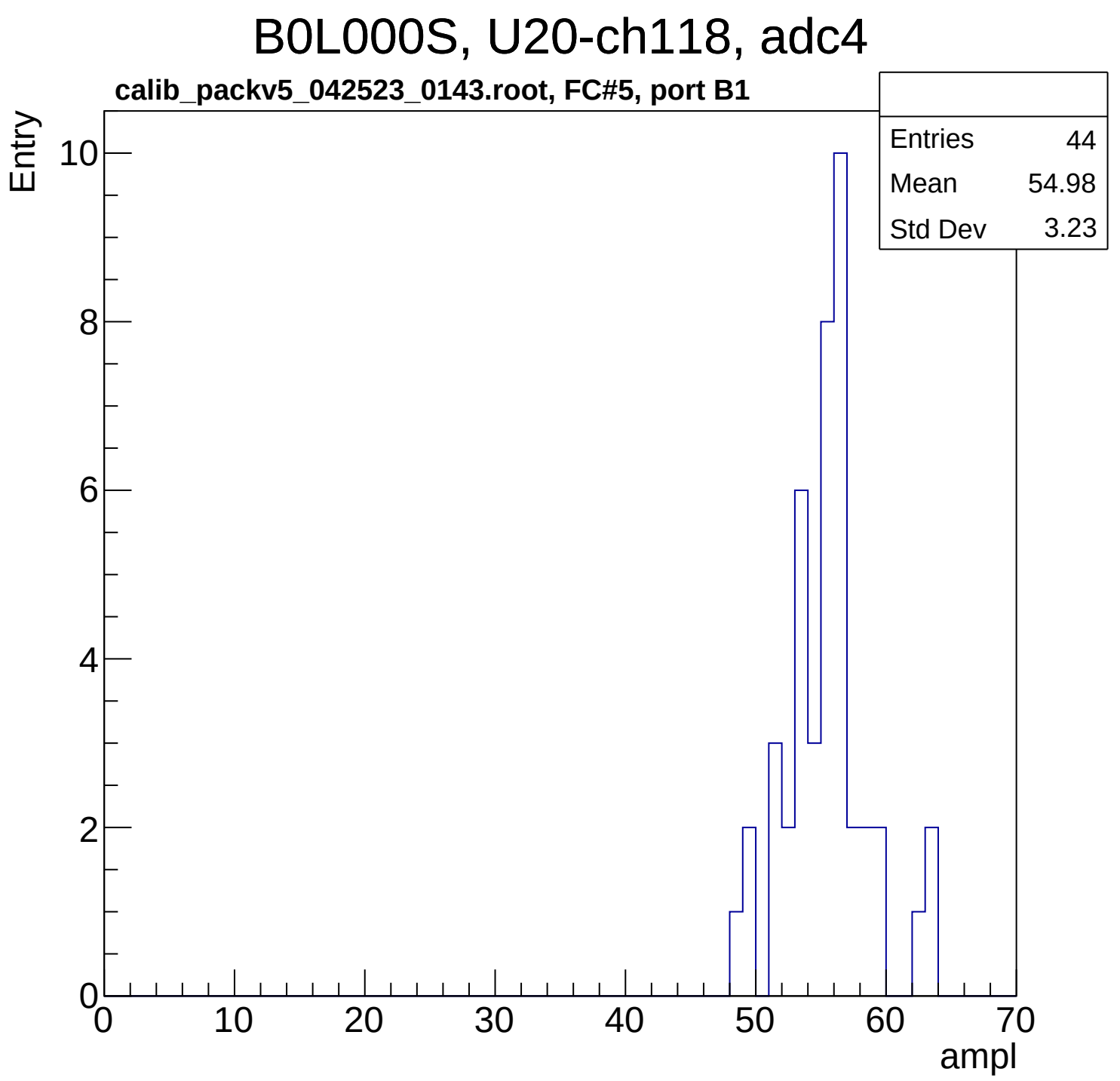
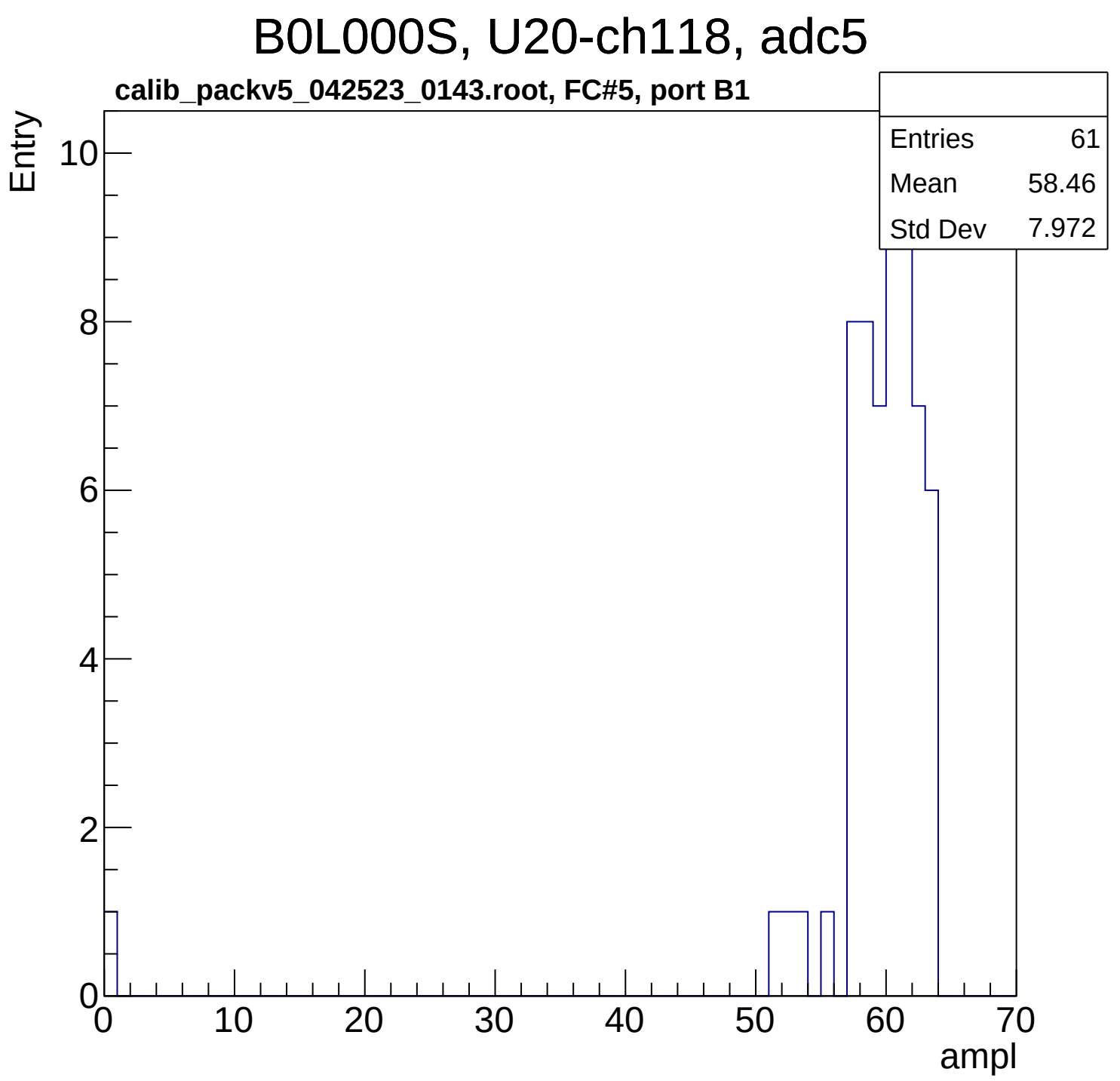
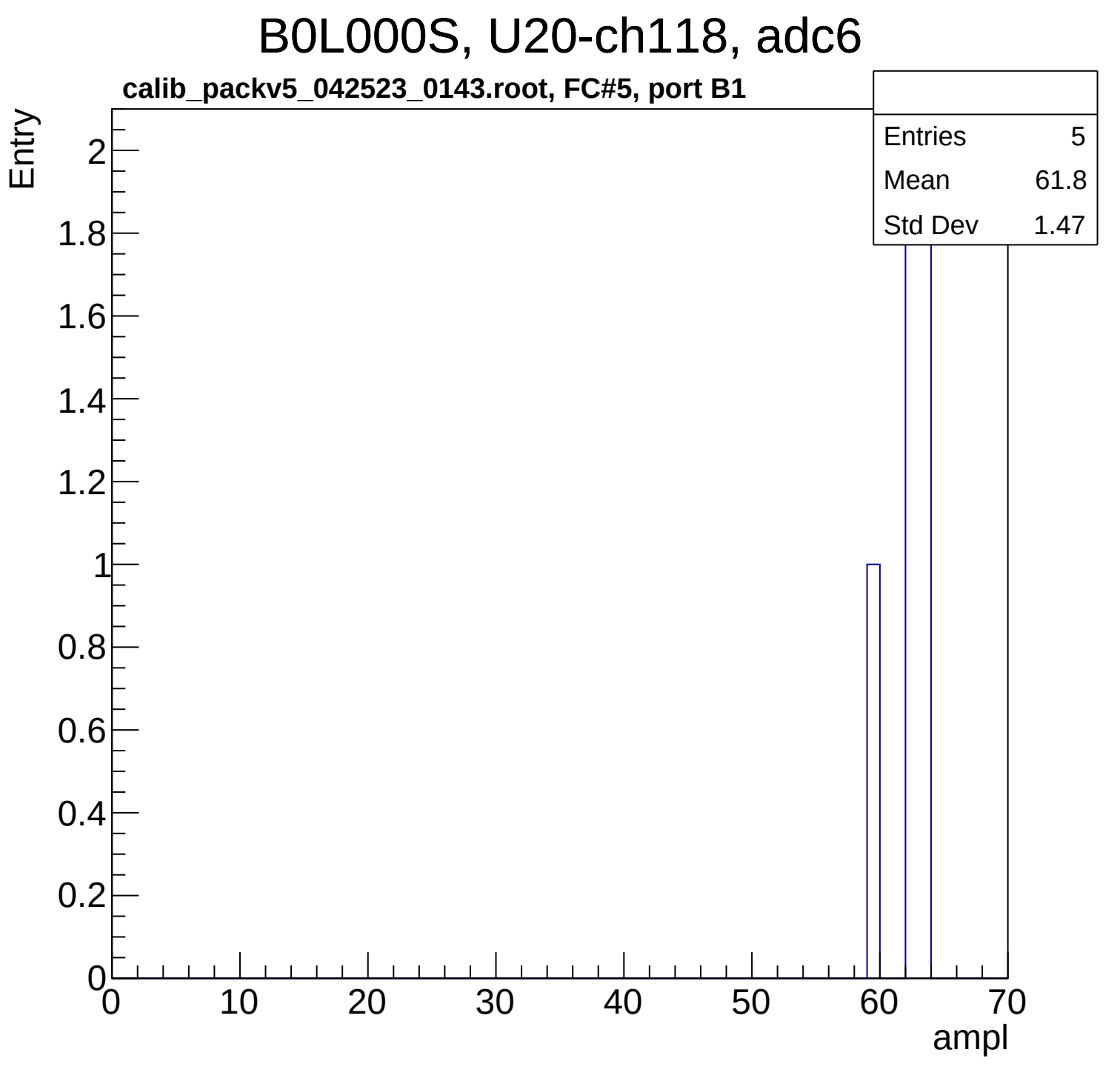
20
30
40
50
60
70


B0L000S, U20-ch118, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 44
Mean 54.98
Std Dev 3.23
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch118, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 58.46
Std Dev 7.972
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch118, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 5
Mean 61.8
Std Dev 1.47
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
50
60
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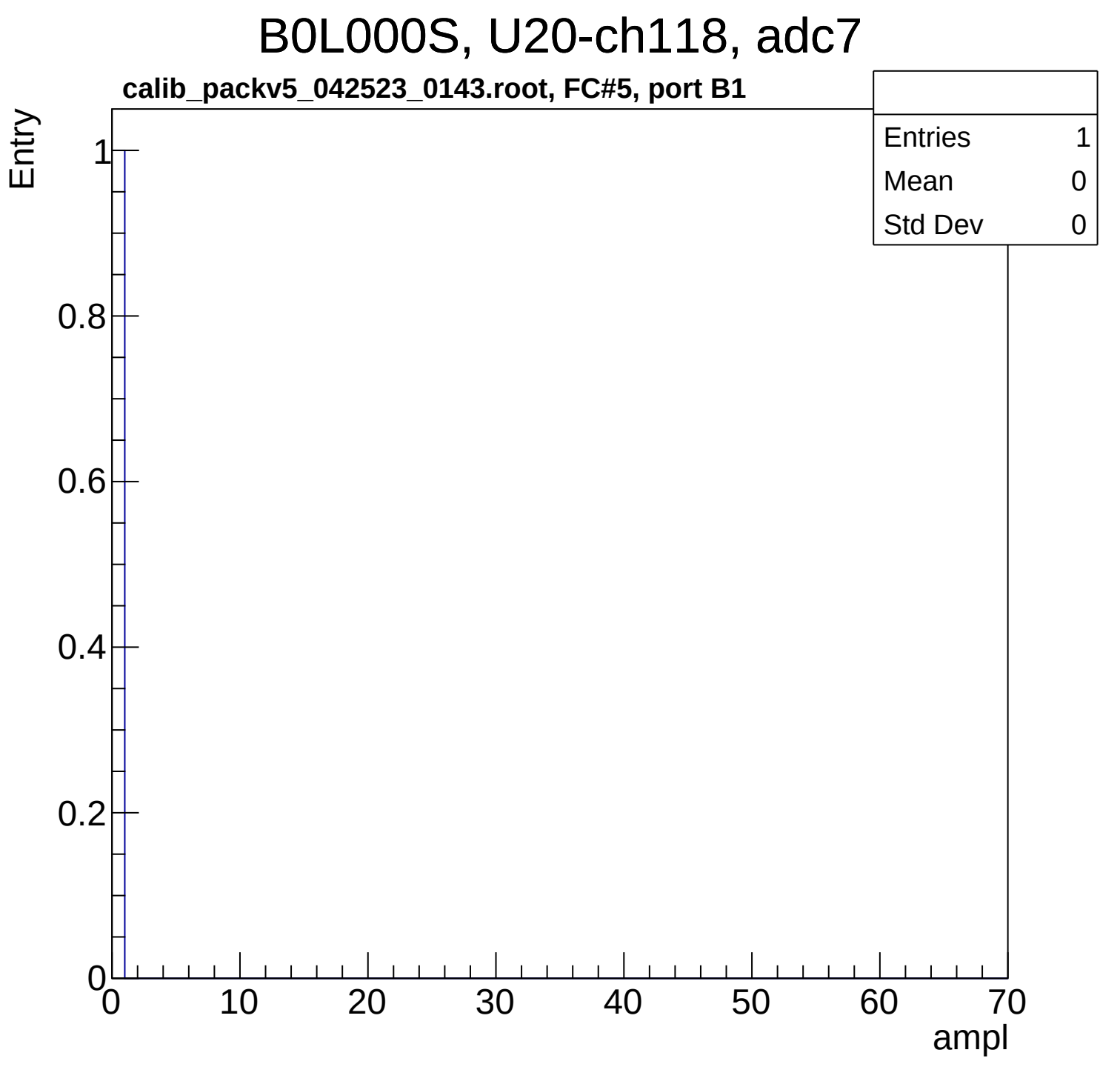
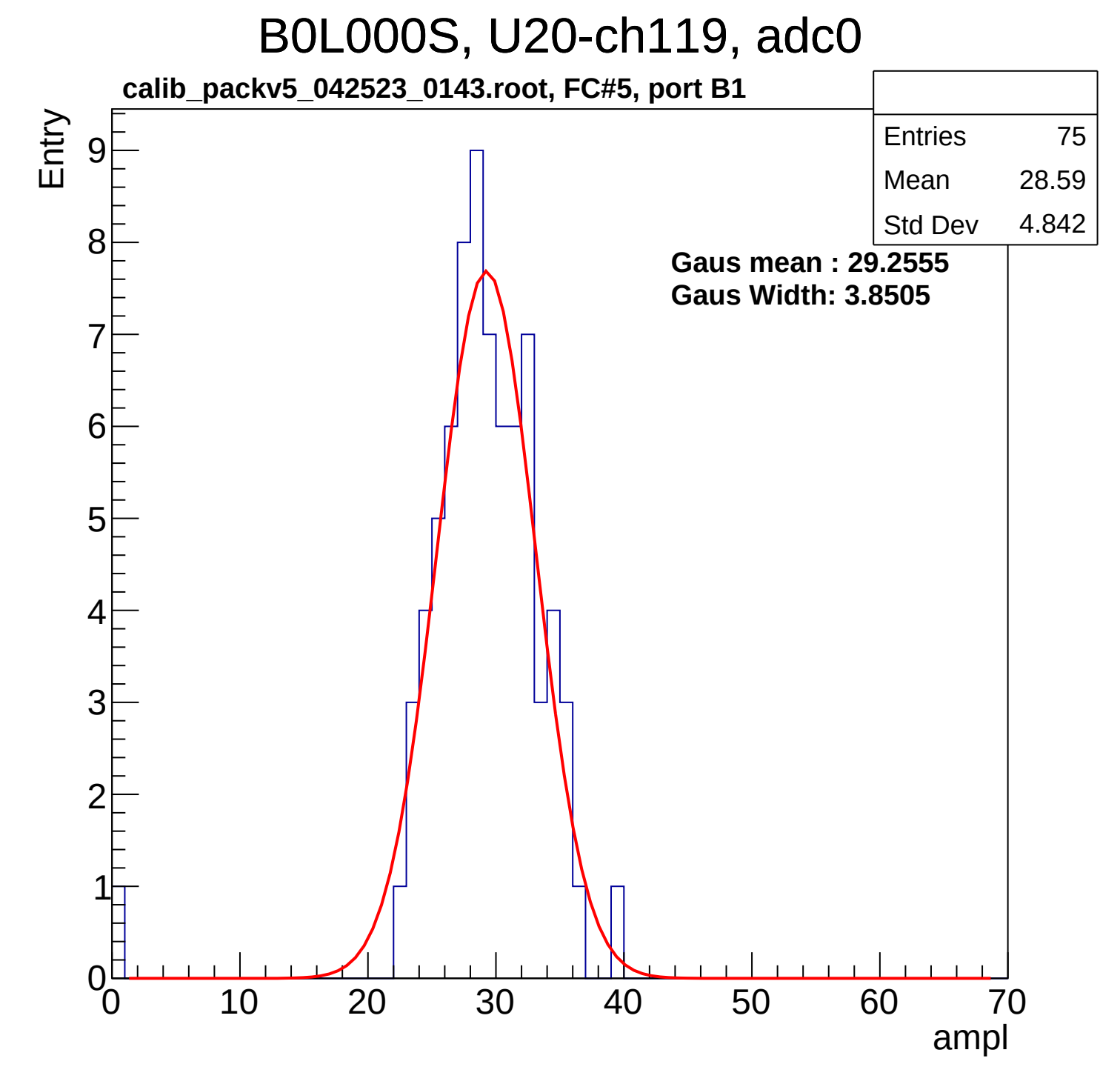
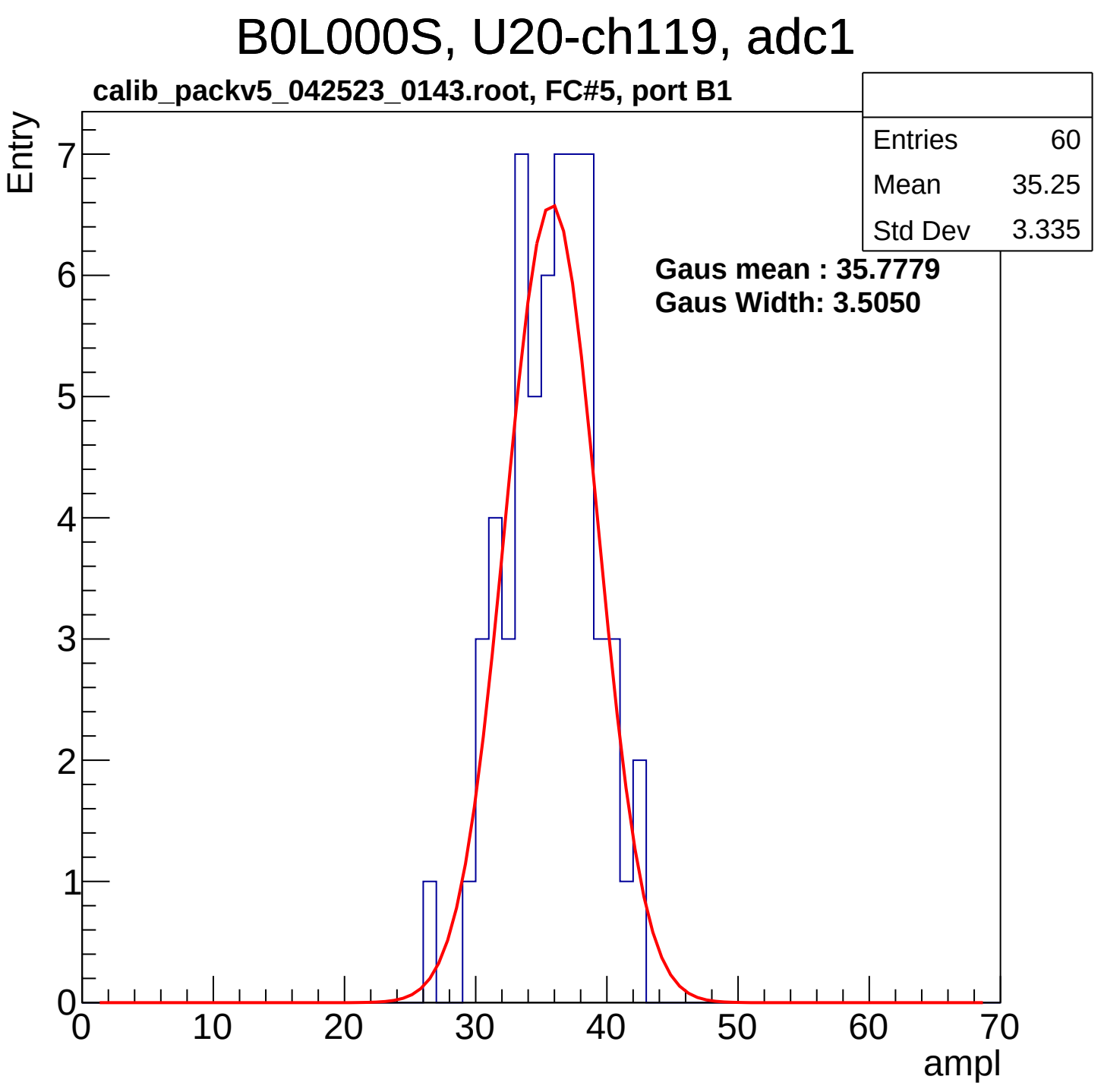
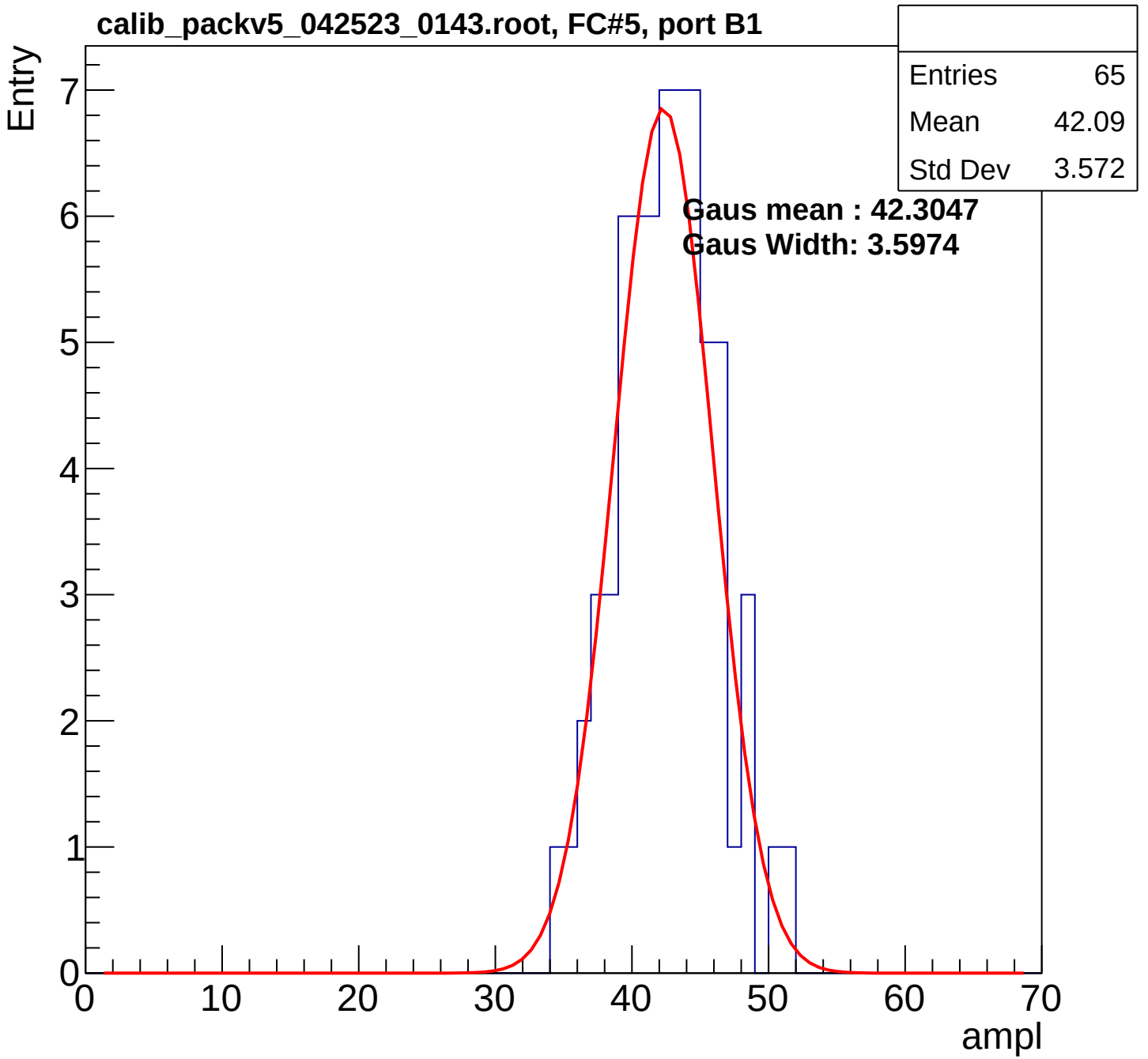

B0L000S, U20-ch118, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch119, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 75
Mean 28.59
Std Dev 4.842
Gaus mean : 29.2555
Gaus Width: 3.8505
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch119, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 60
Mean 35.25
Std Dev 3.335
Gaus mean : 35.7779
Gaus Width: 3.5050
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch119, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 42.09
Std Dev 3.572
Gaus mean : 42.3047
Gaus Width: 3.5974
Entry
ampl
0
1
2
3
4
5
6
7
0
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30
40
50
60
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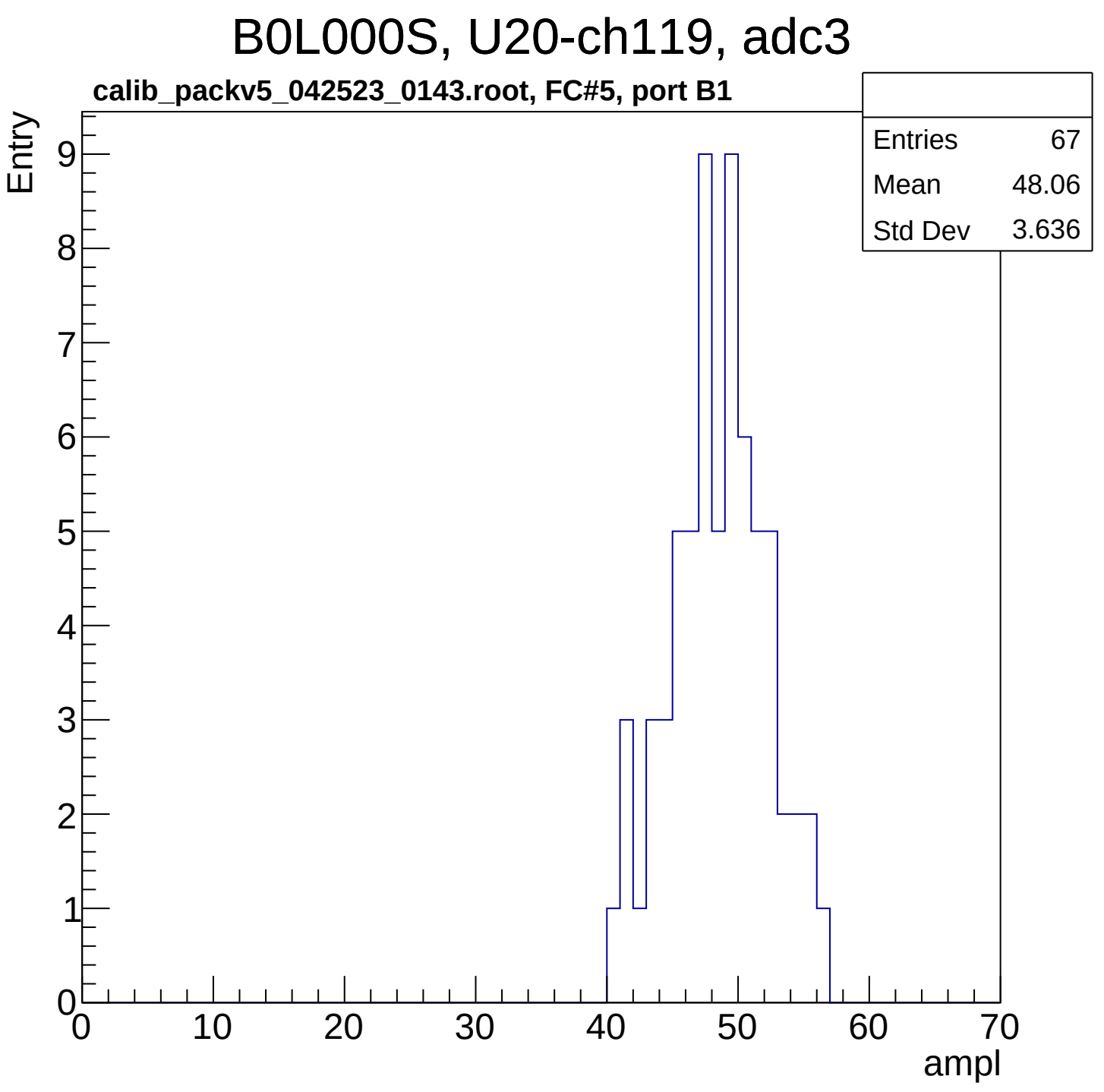
B0L000S, U20-ch119, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 67
Mean 48.06
Std Dev 3.636
Entry
ampl
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3
4
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6
7
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9
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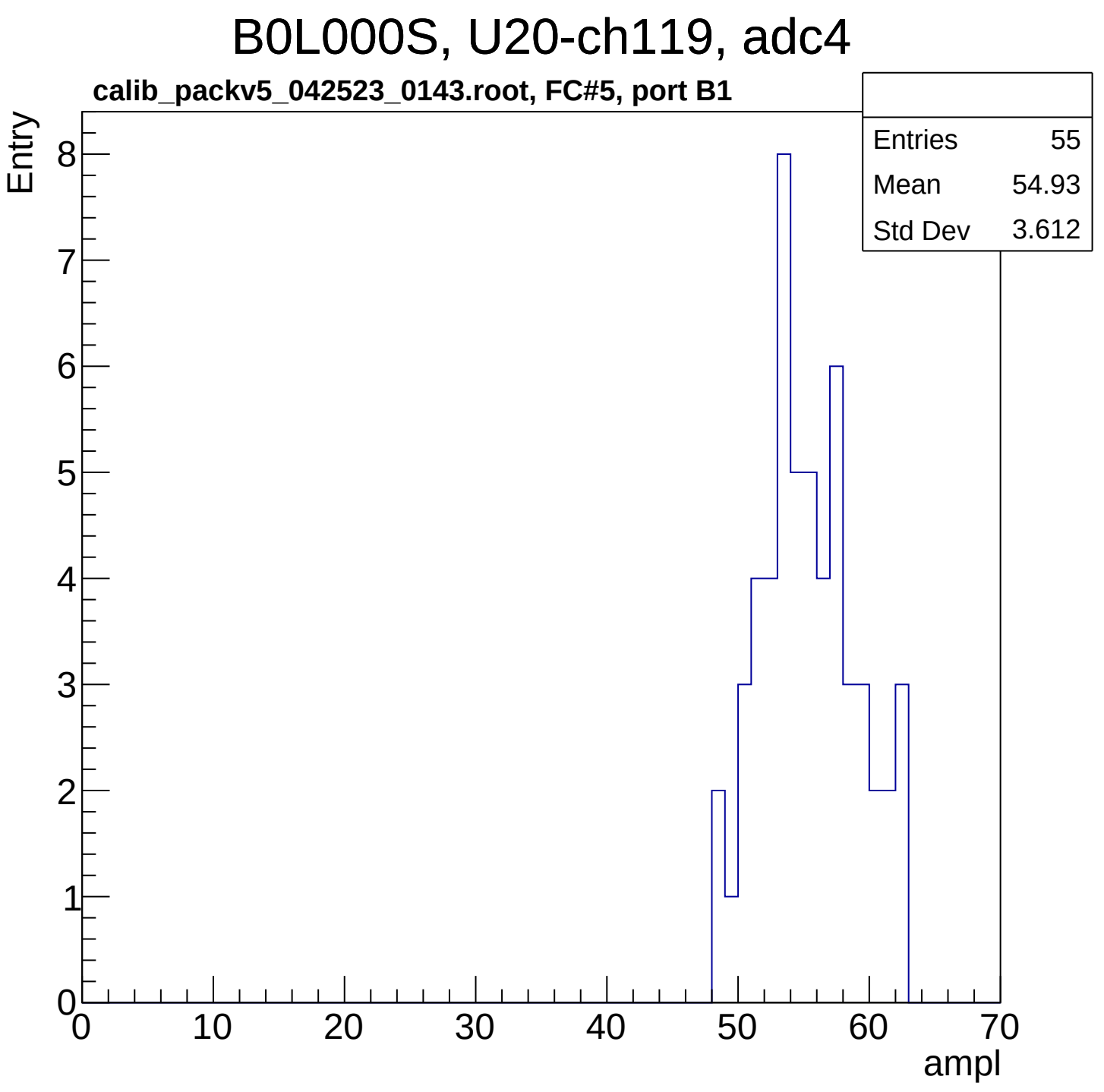
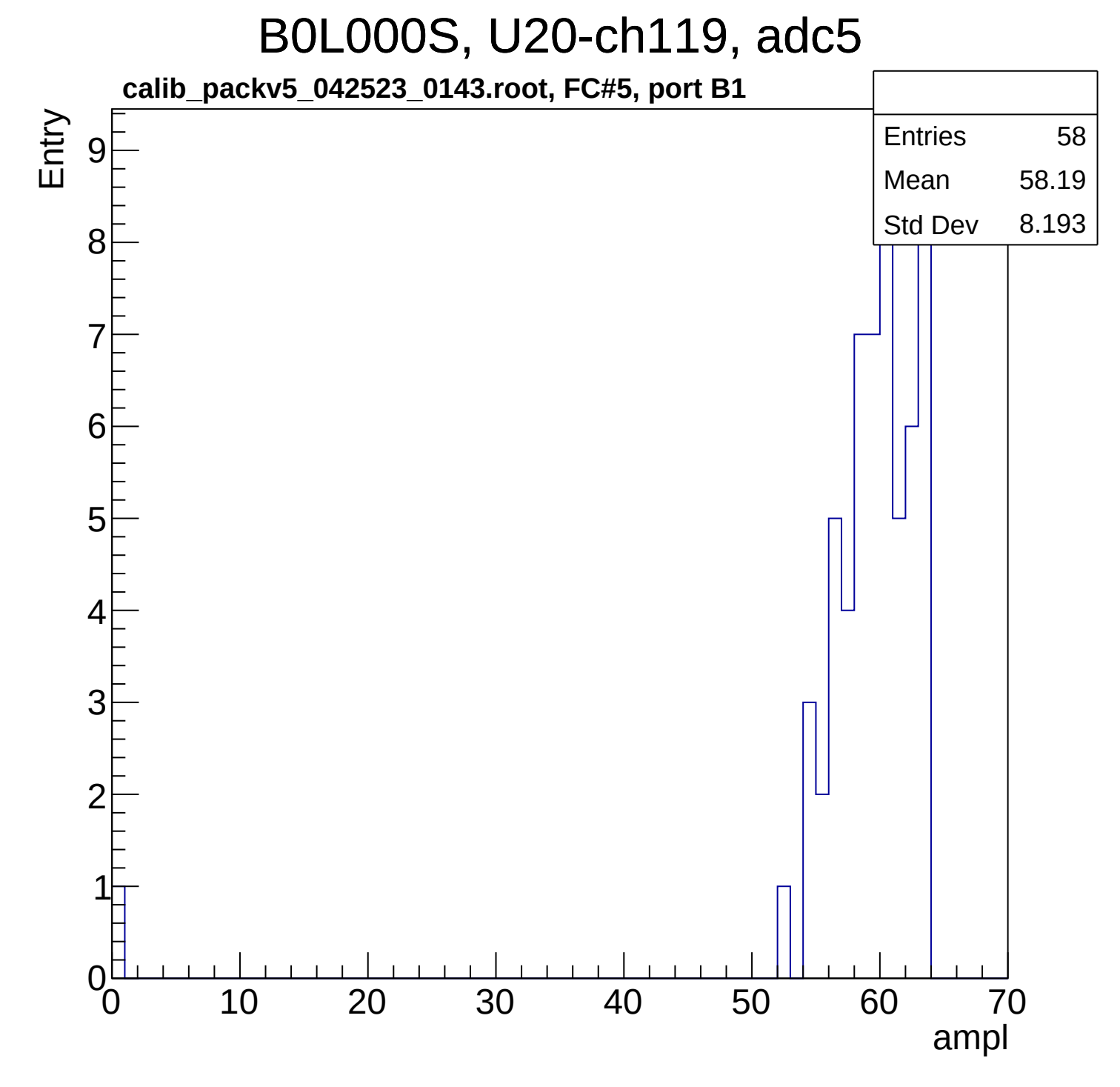

B0L000S, U20-ch119, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 55
Mean 54.93
Std Dev 3.612
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch119, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 58.19
Std Dev 8.193
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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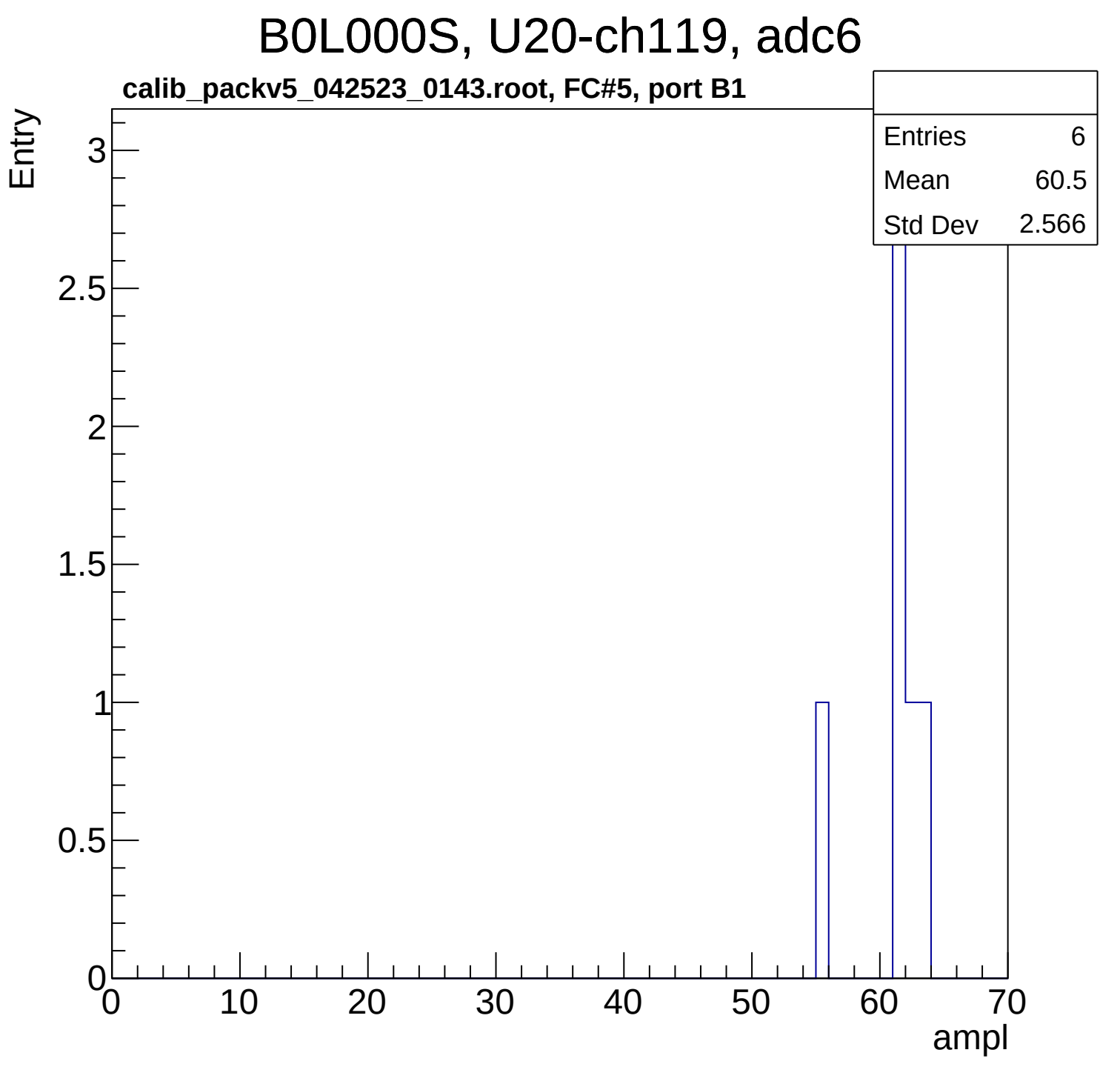
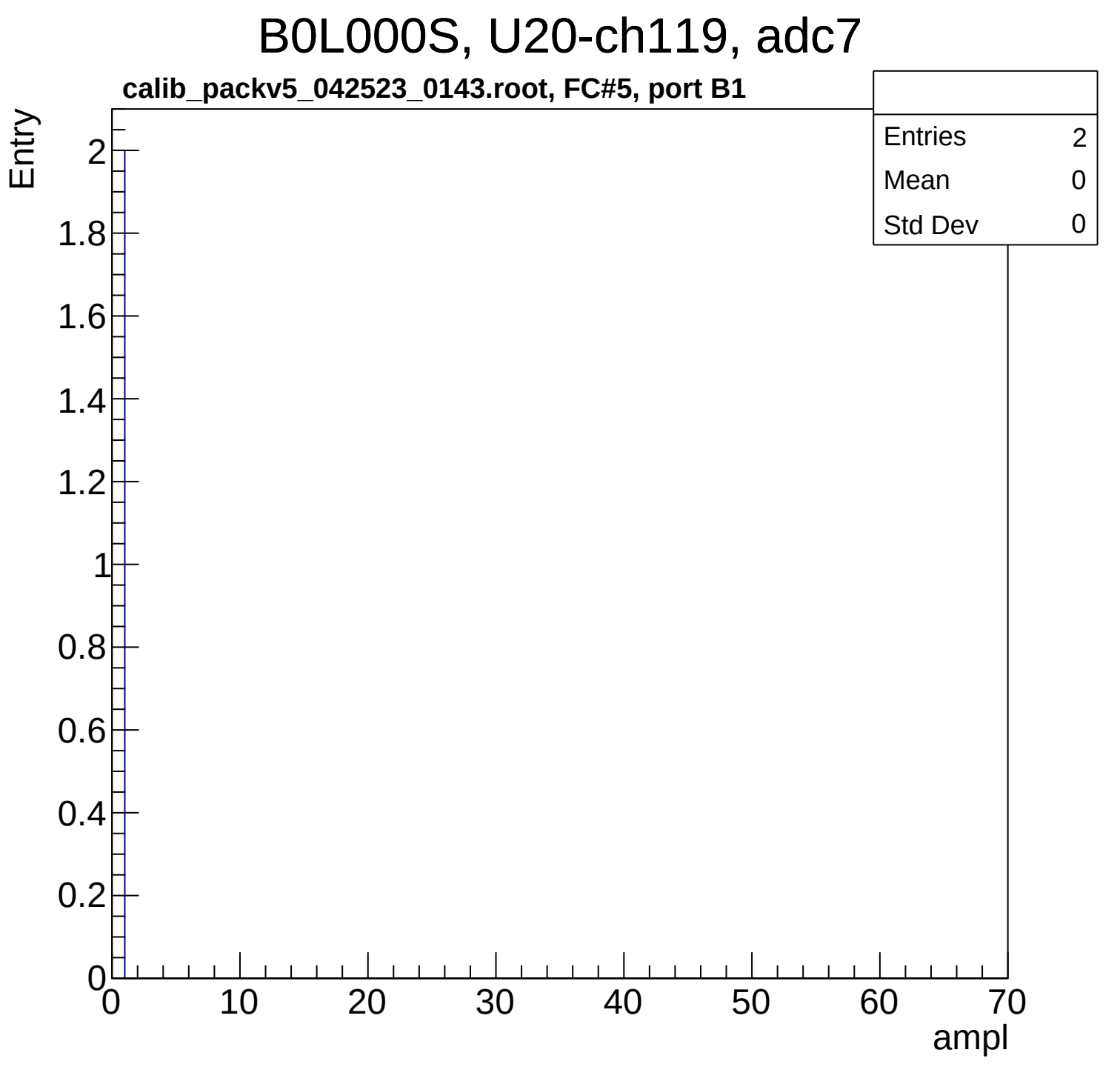

B0L000S, U20-ch119, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 6
Mean 60.5
Std Dev 2.566
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch119, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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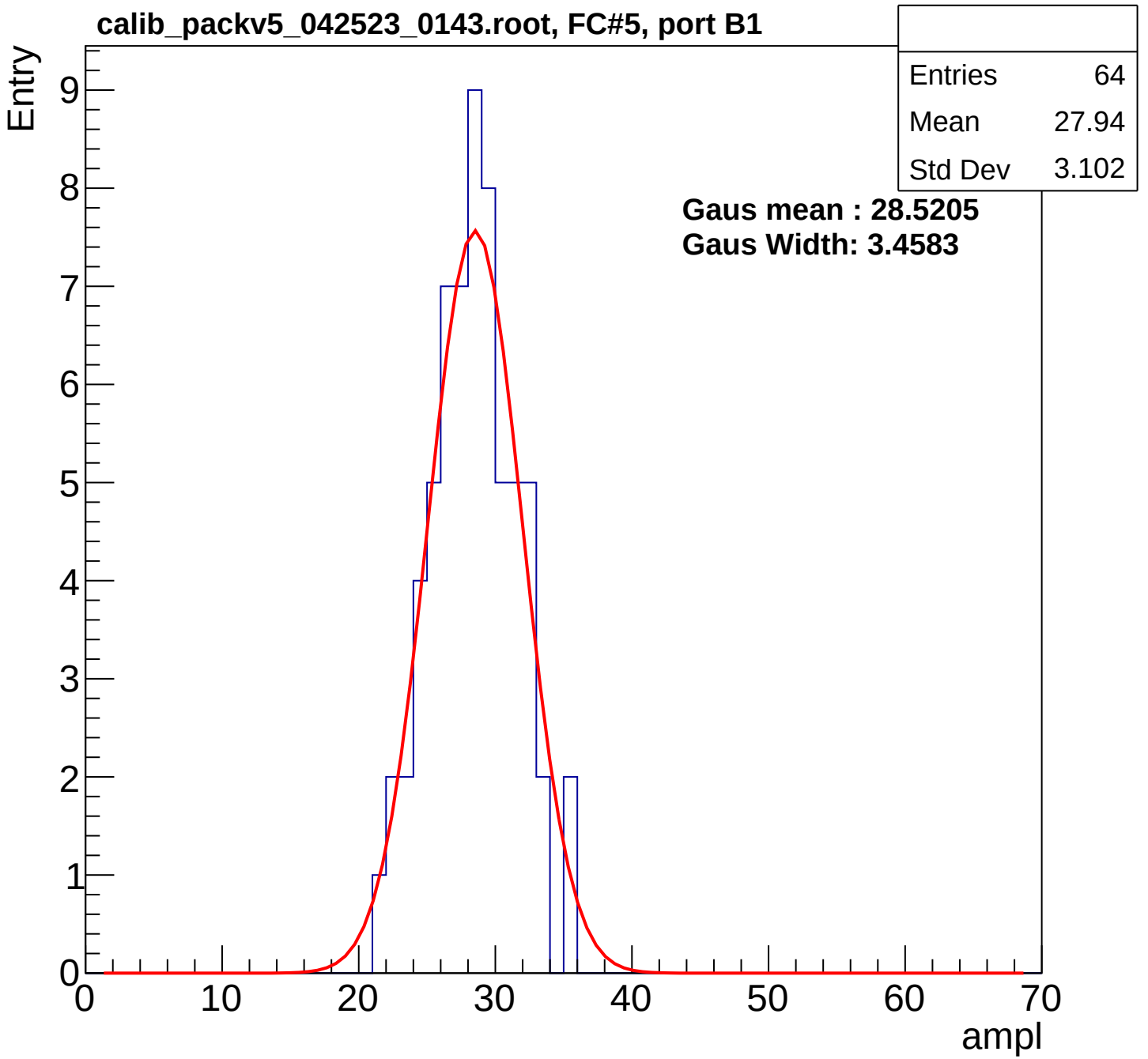
B0L000S, U20-ch120, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 27.94
Std Dev 3.102
Gaus mean : 28.5205
Gaus Width: 3.4583
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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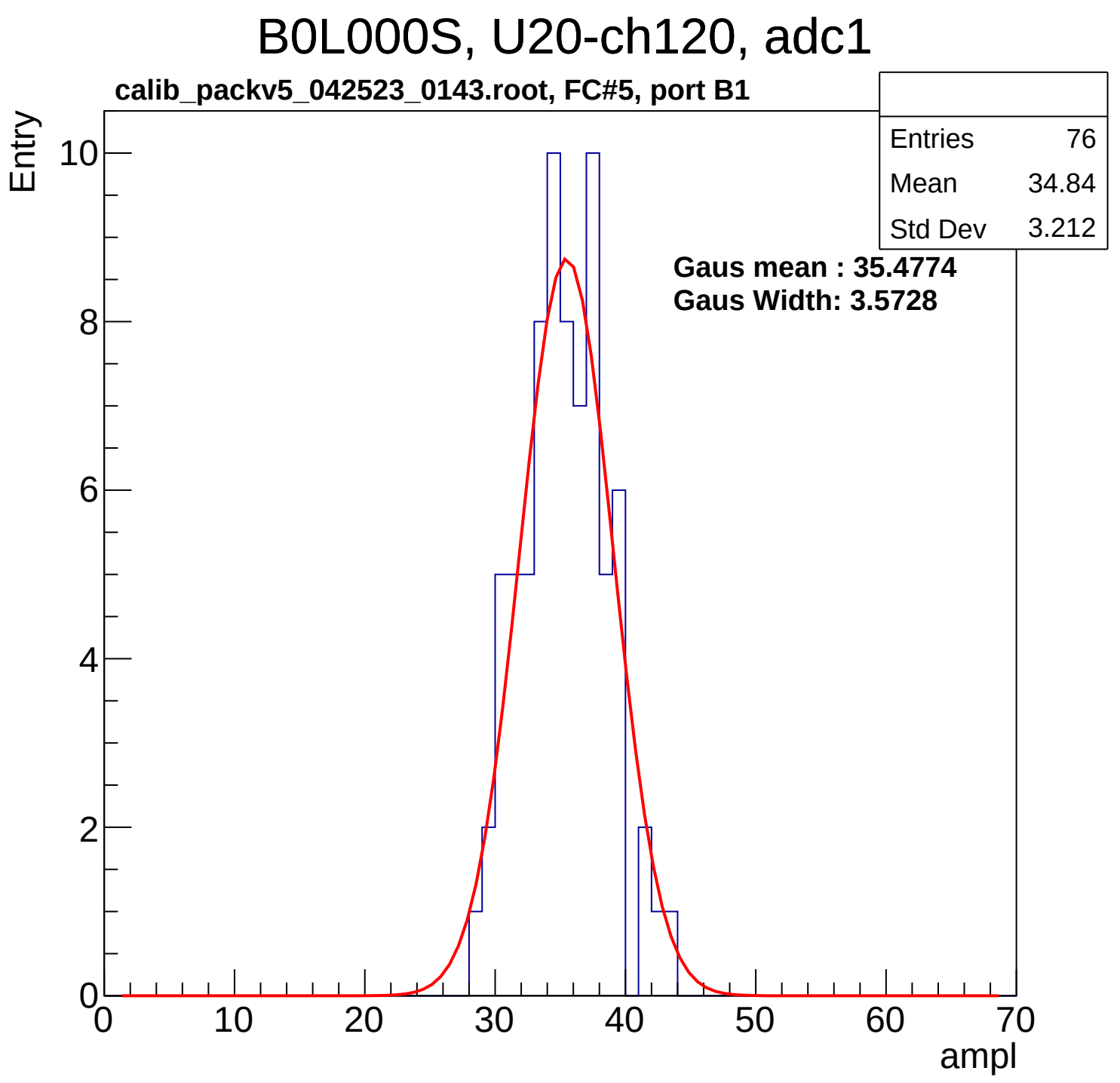
B0L000S, U20-ch120, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 34.84
Std Dev 3.212
Gaus mean : 35.4774
Gaus Width: 3.5728
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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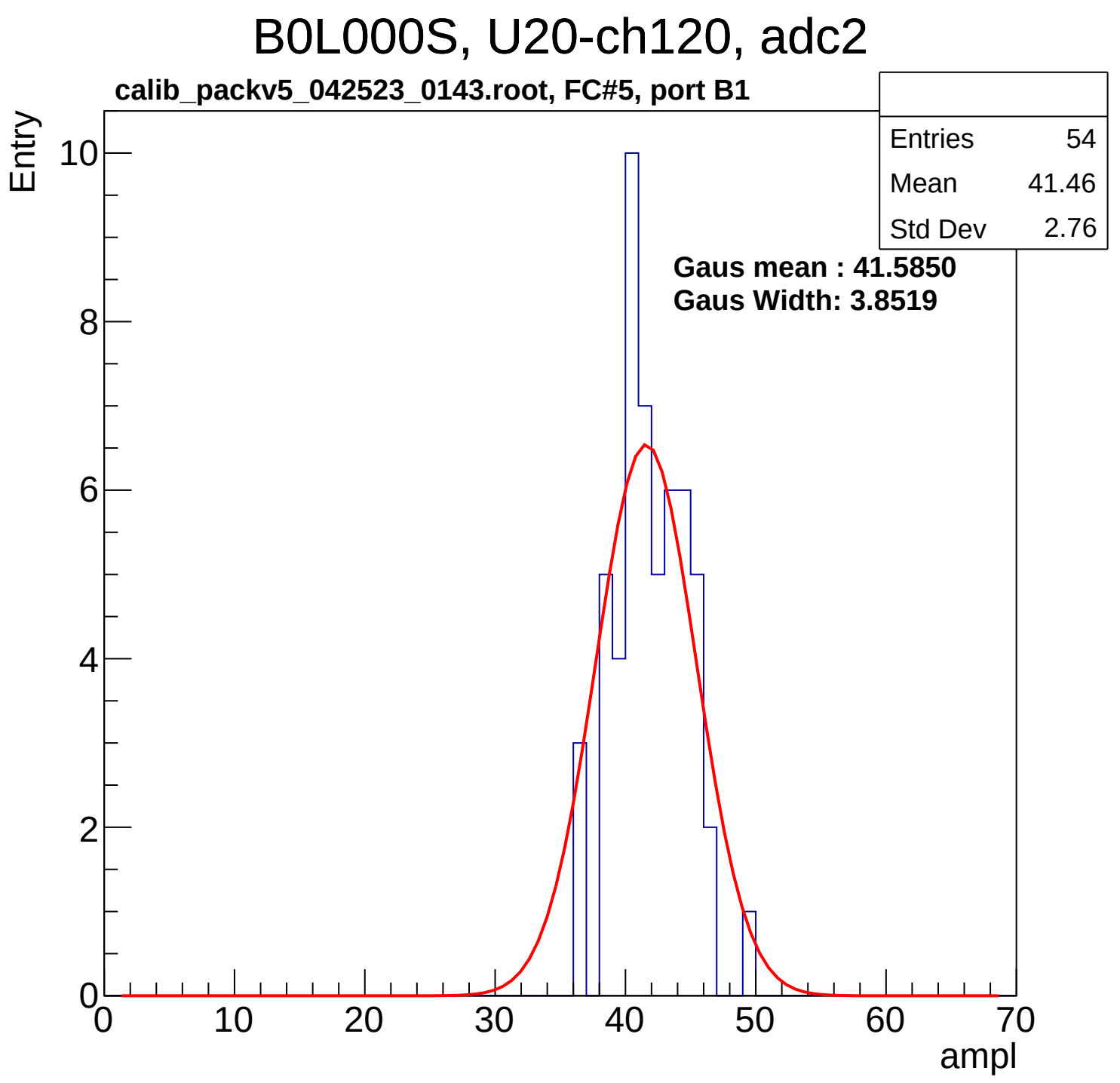
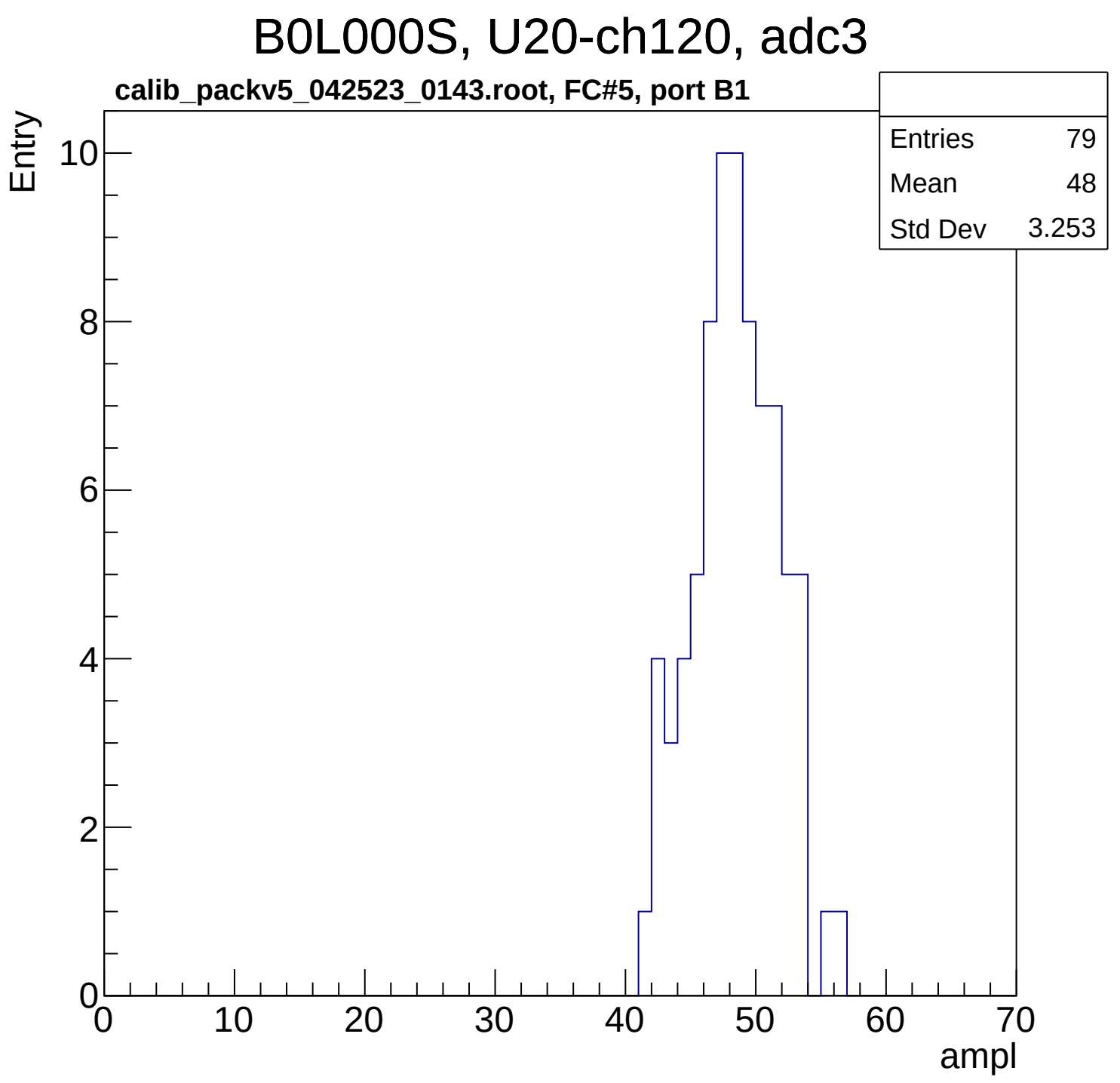
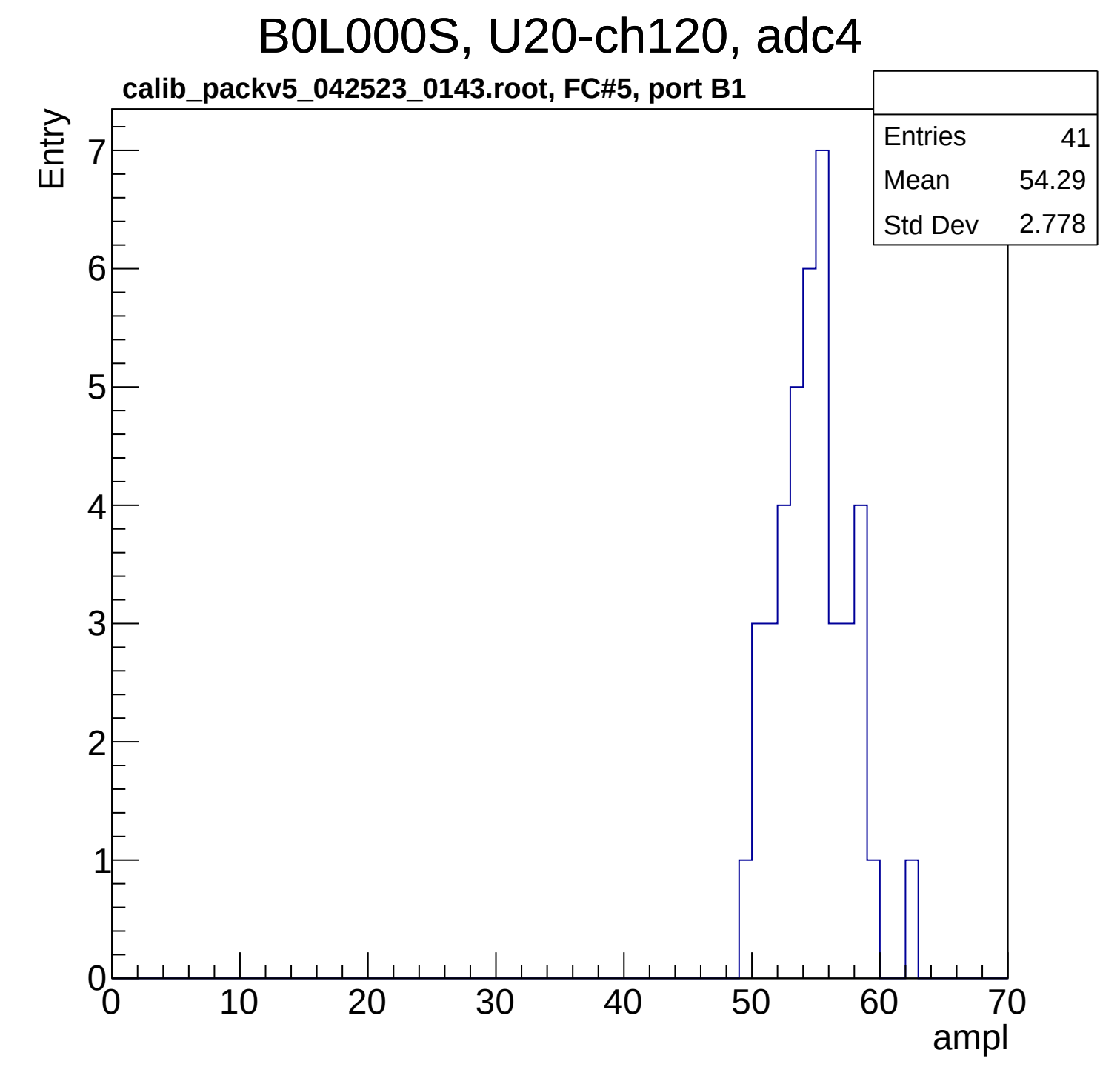

B0L000S, U20-ch120, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 41.46
Std Dev 2.76
Gaus mean : 41.5850
Gaus Width: 3.8519
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch120, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 48
Std Dev 3.253
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch120, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 54.29
Std Dev 2.778
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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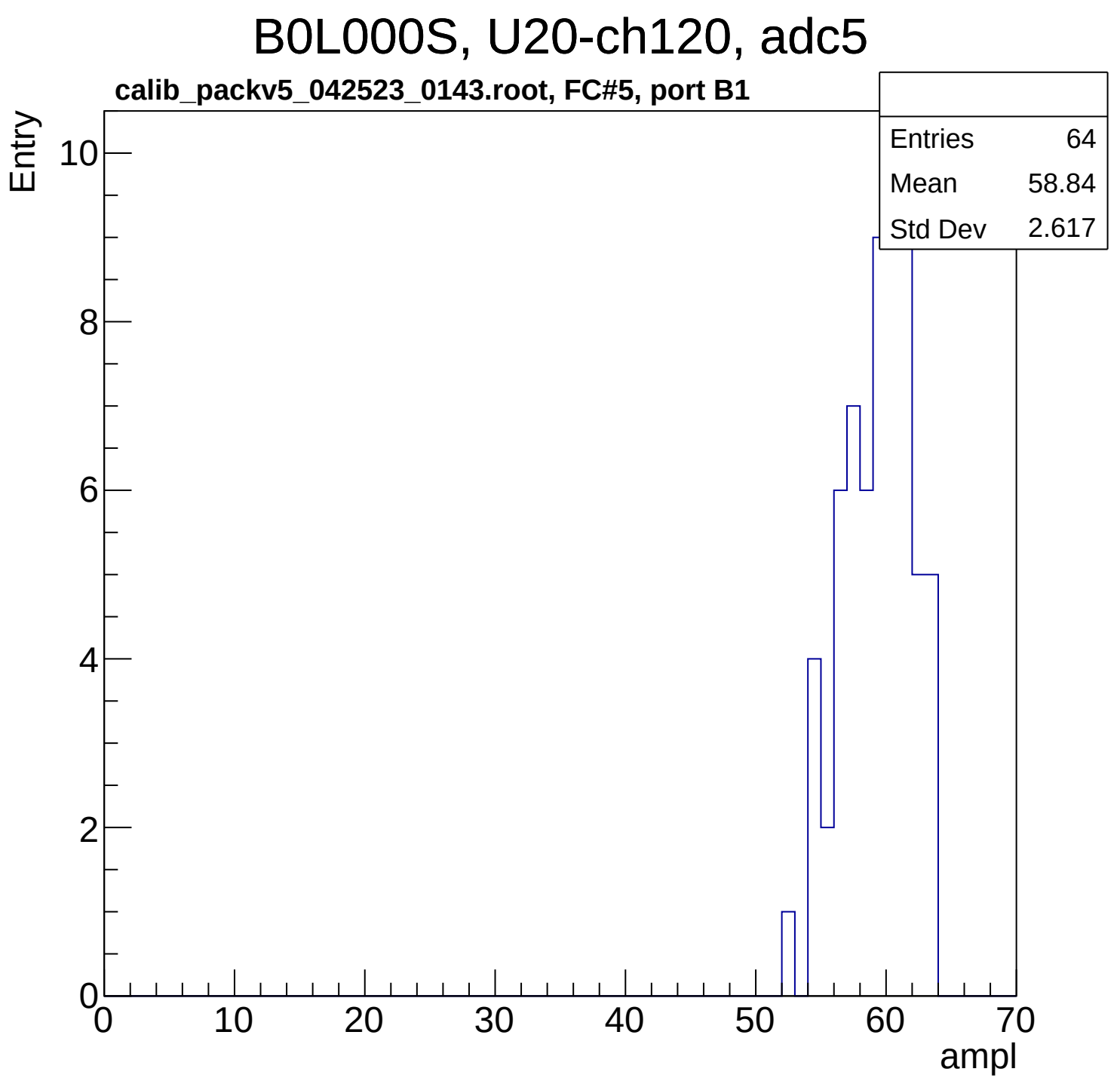
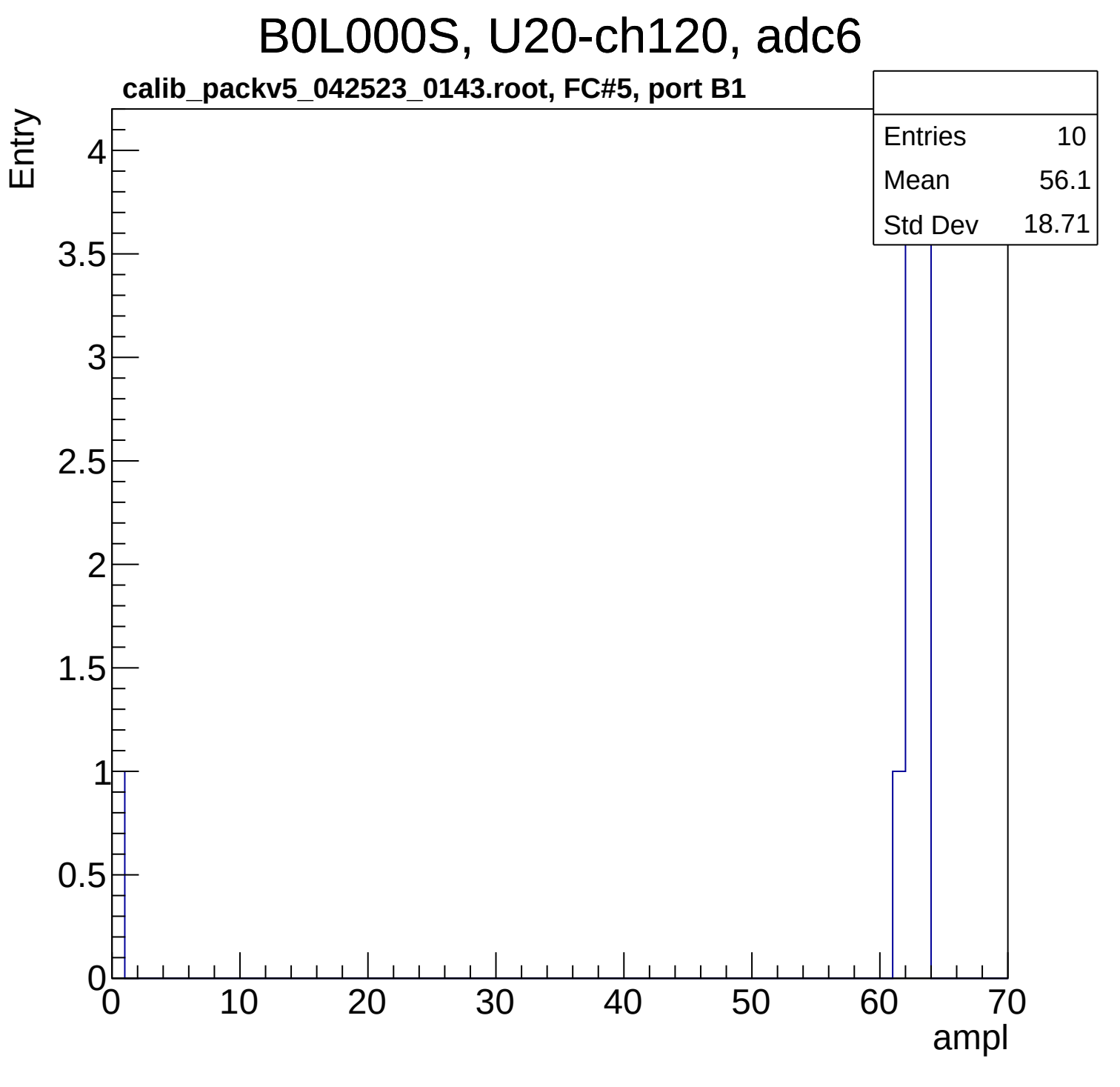
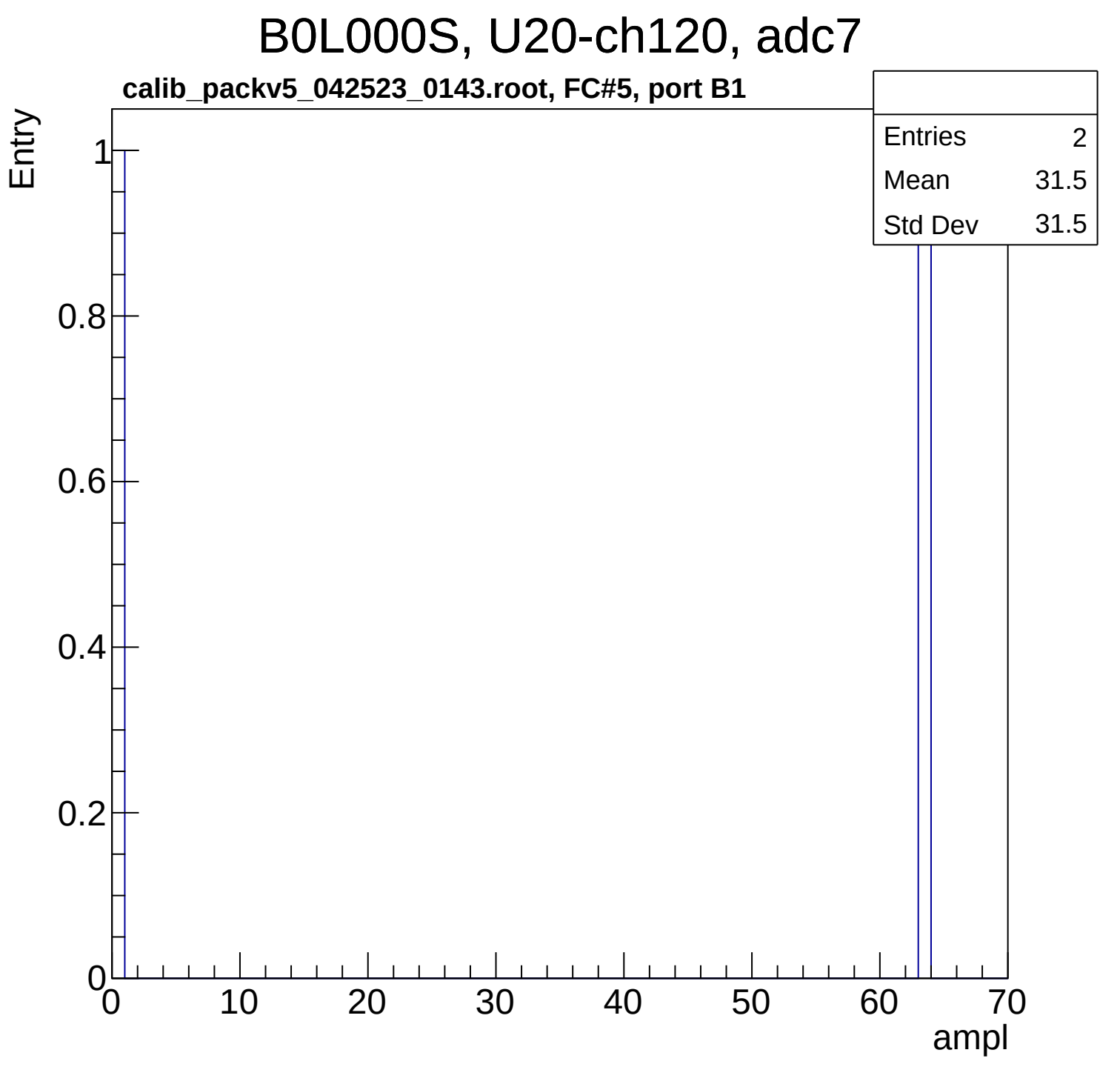
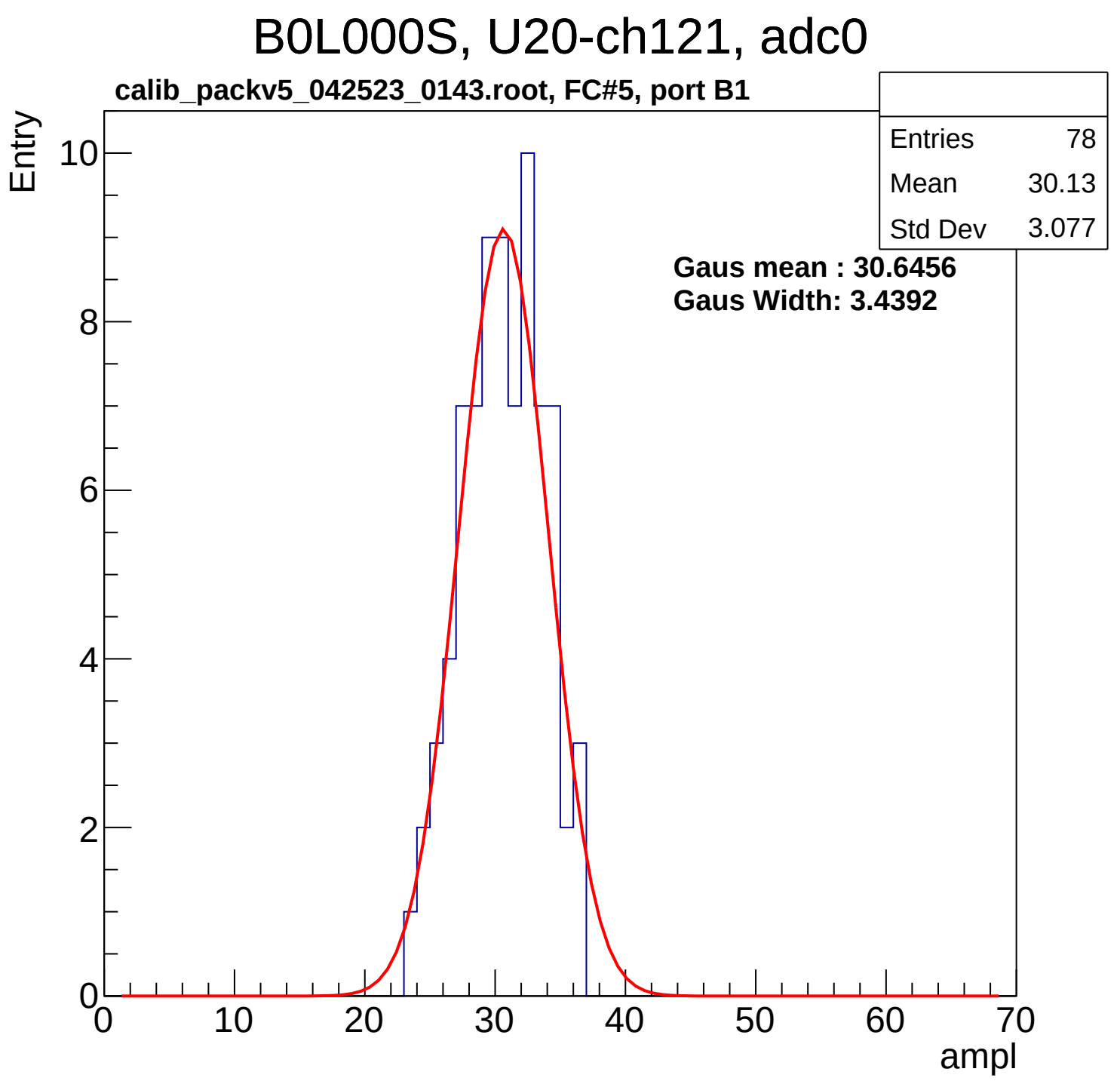
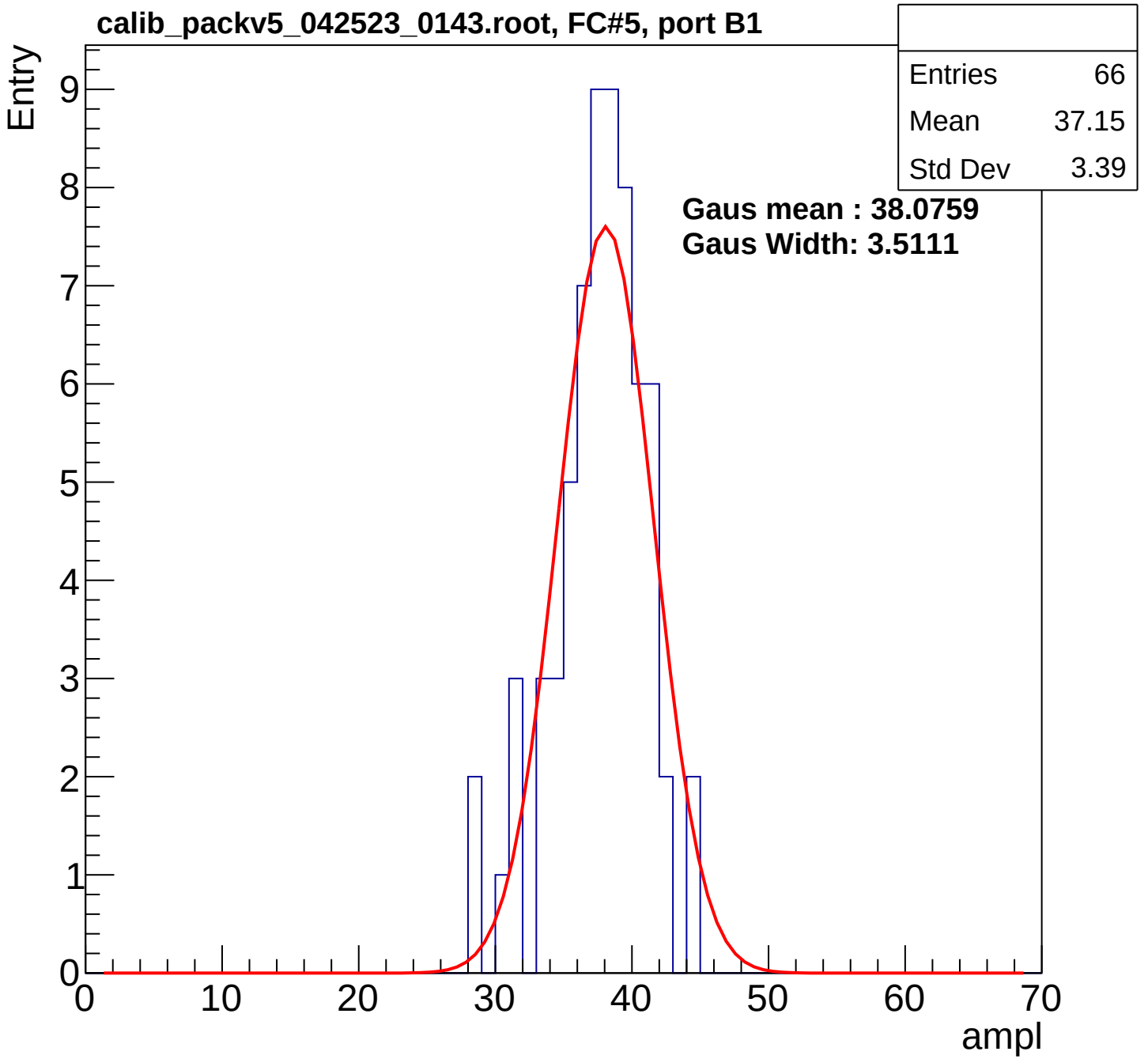
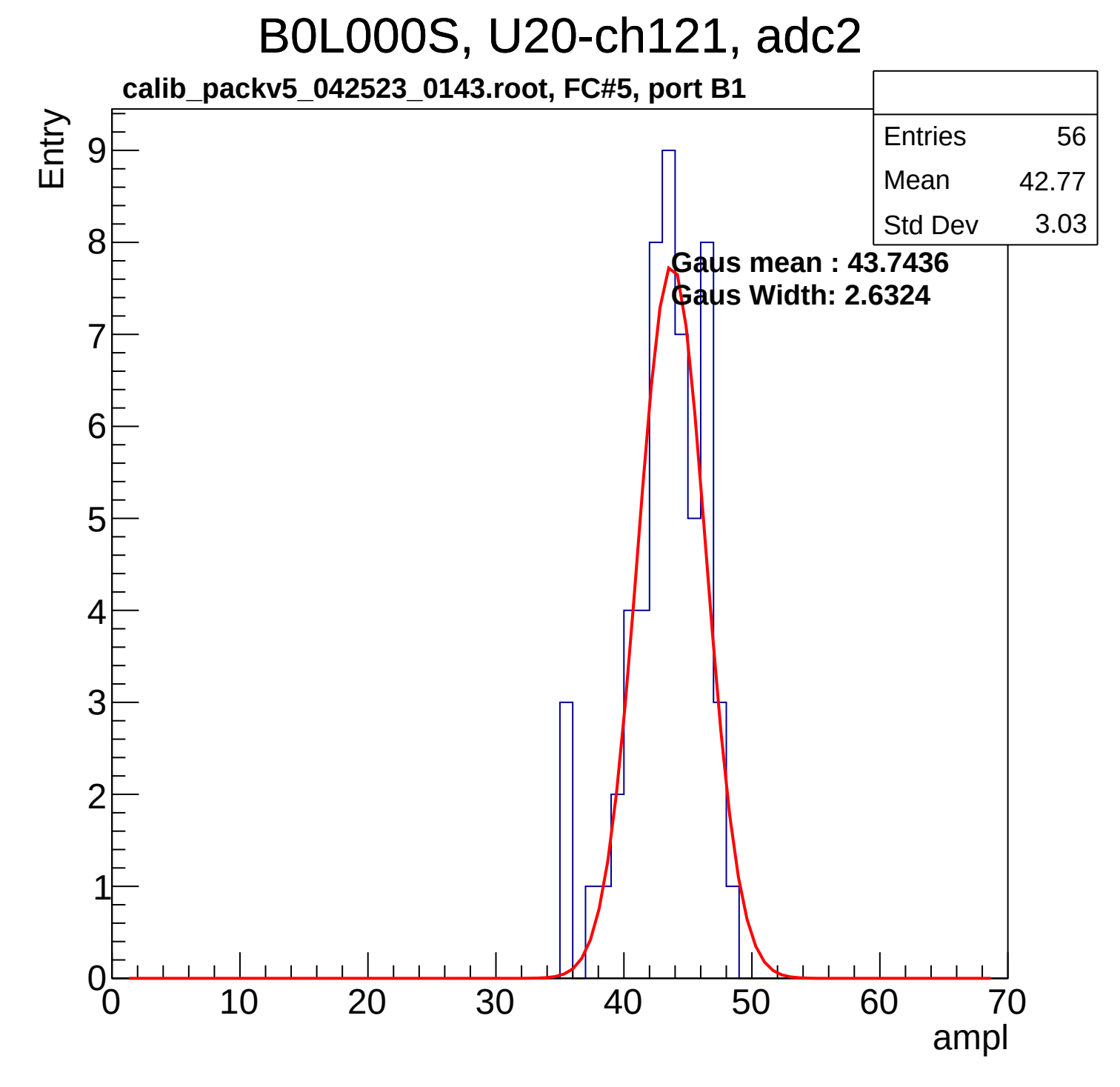

B0L000S, U20-ch120, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 64
Mean 58.84
Std Dev 2.617
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch120, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 10
Mean 56.1
Std Dev 18.71
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L000S, U20-ch120, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch121, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 78
Mean 30.13
Std Dev 3.077
Gaus mean : 30.6456
Gaus Width: 3.4392
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch121, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 66
Mean 37.15
Std Dev 3.39
Gaus mean : 38.0759
Gaus Width: 3.5111
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L000S, U20-ch121, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 56
Mean 42.77
Std Dev 3.03
Gaus mean : 43.7436
Gaus Width: 2.6324
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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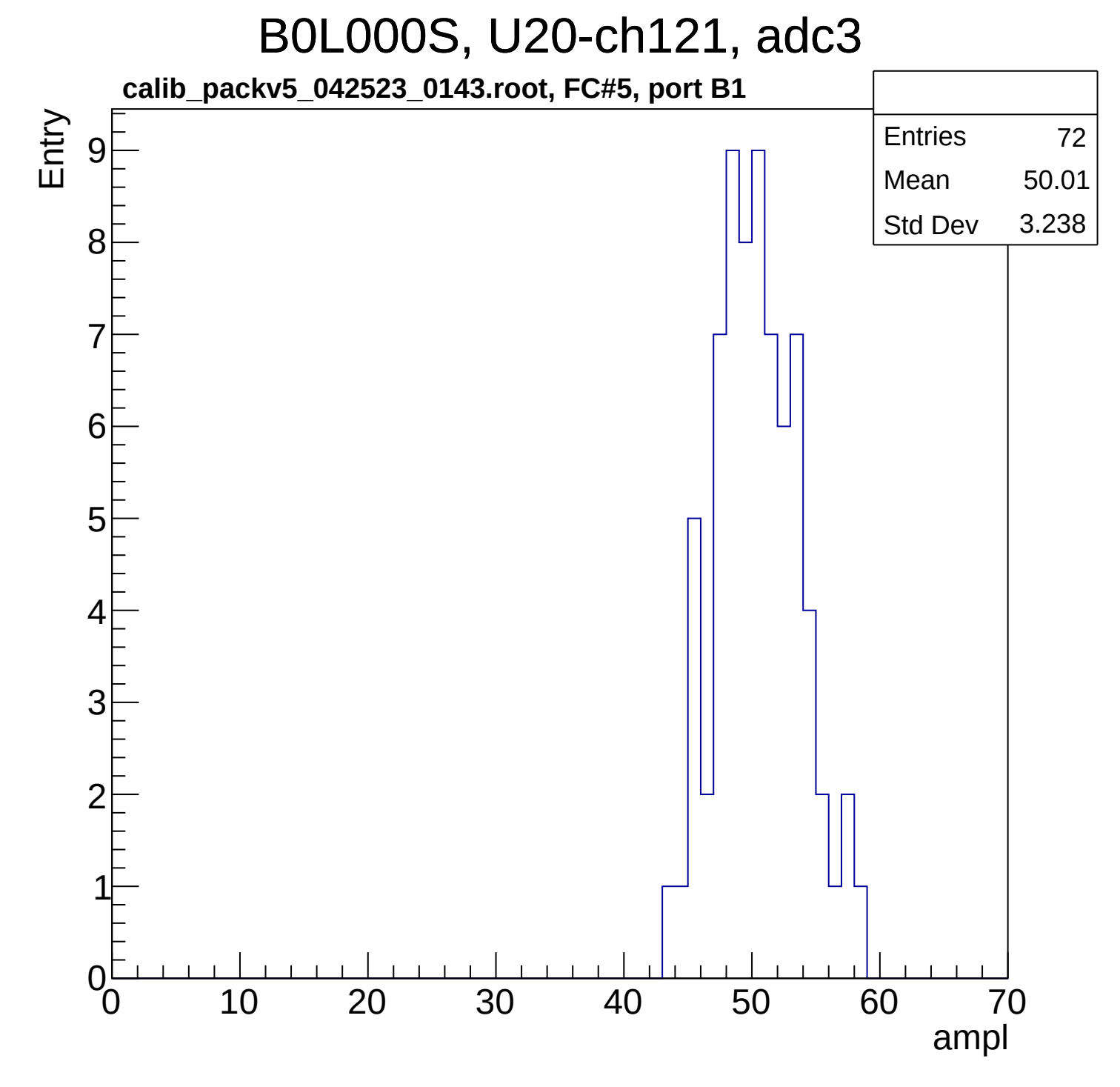
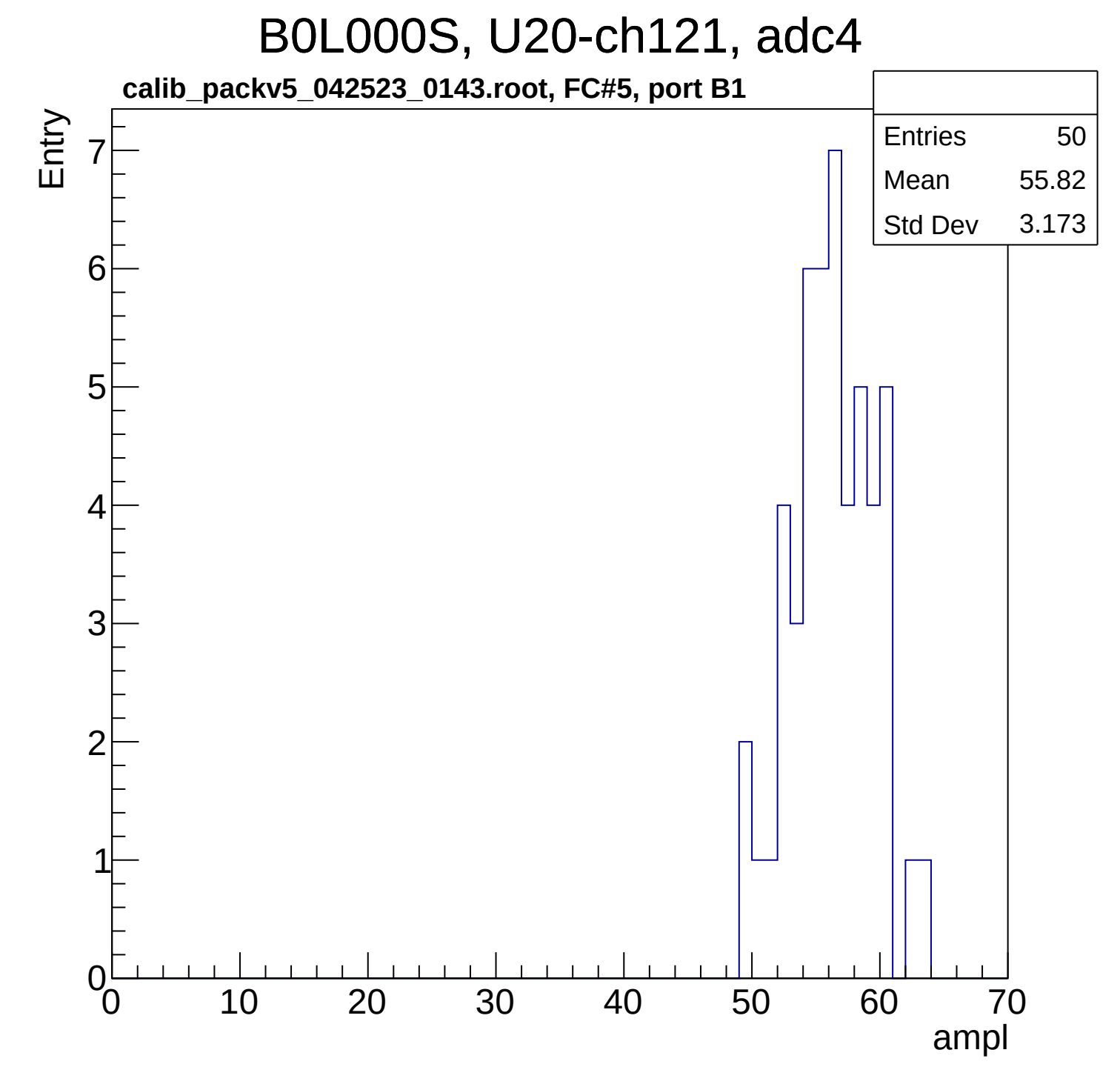
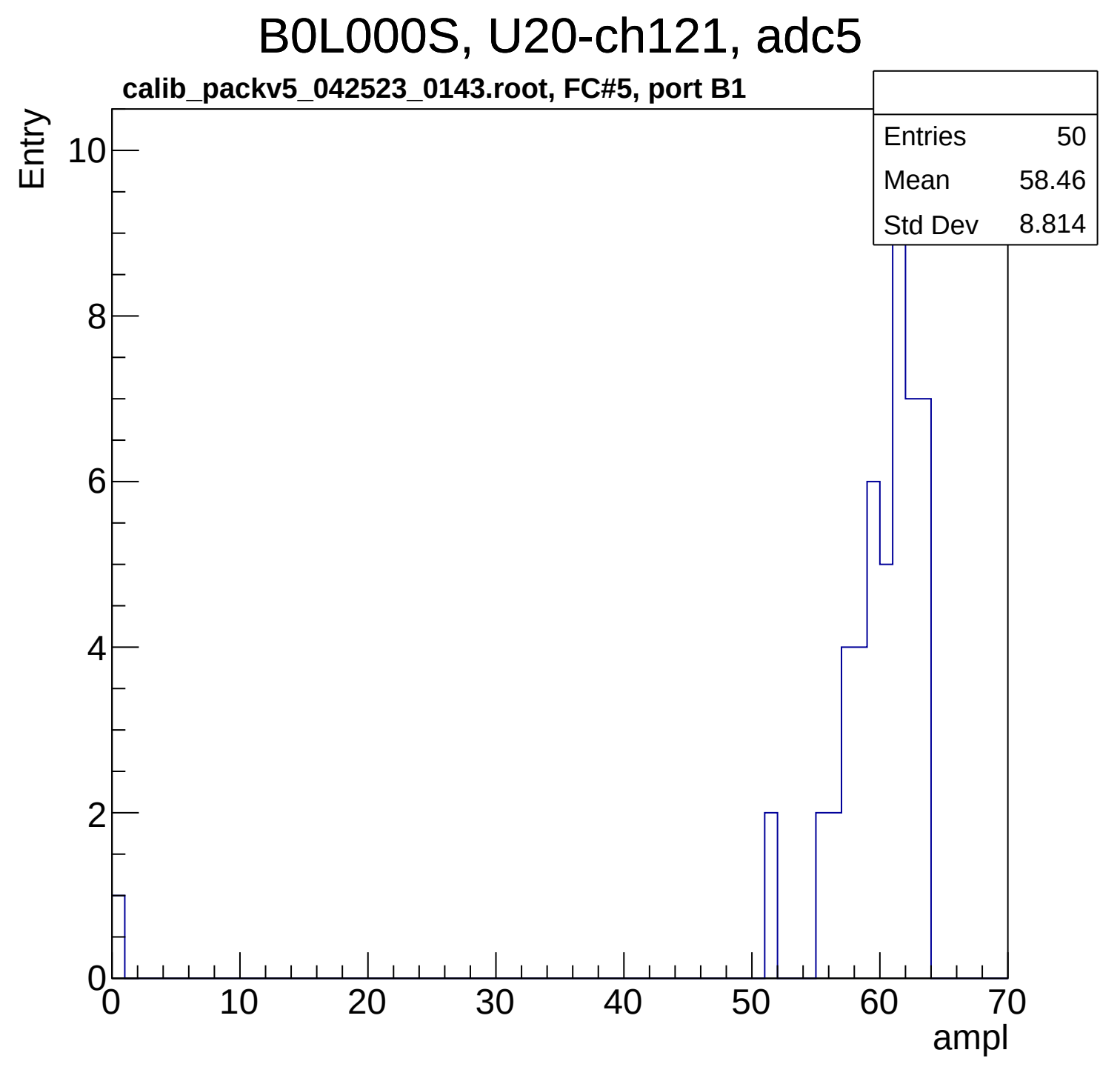
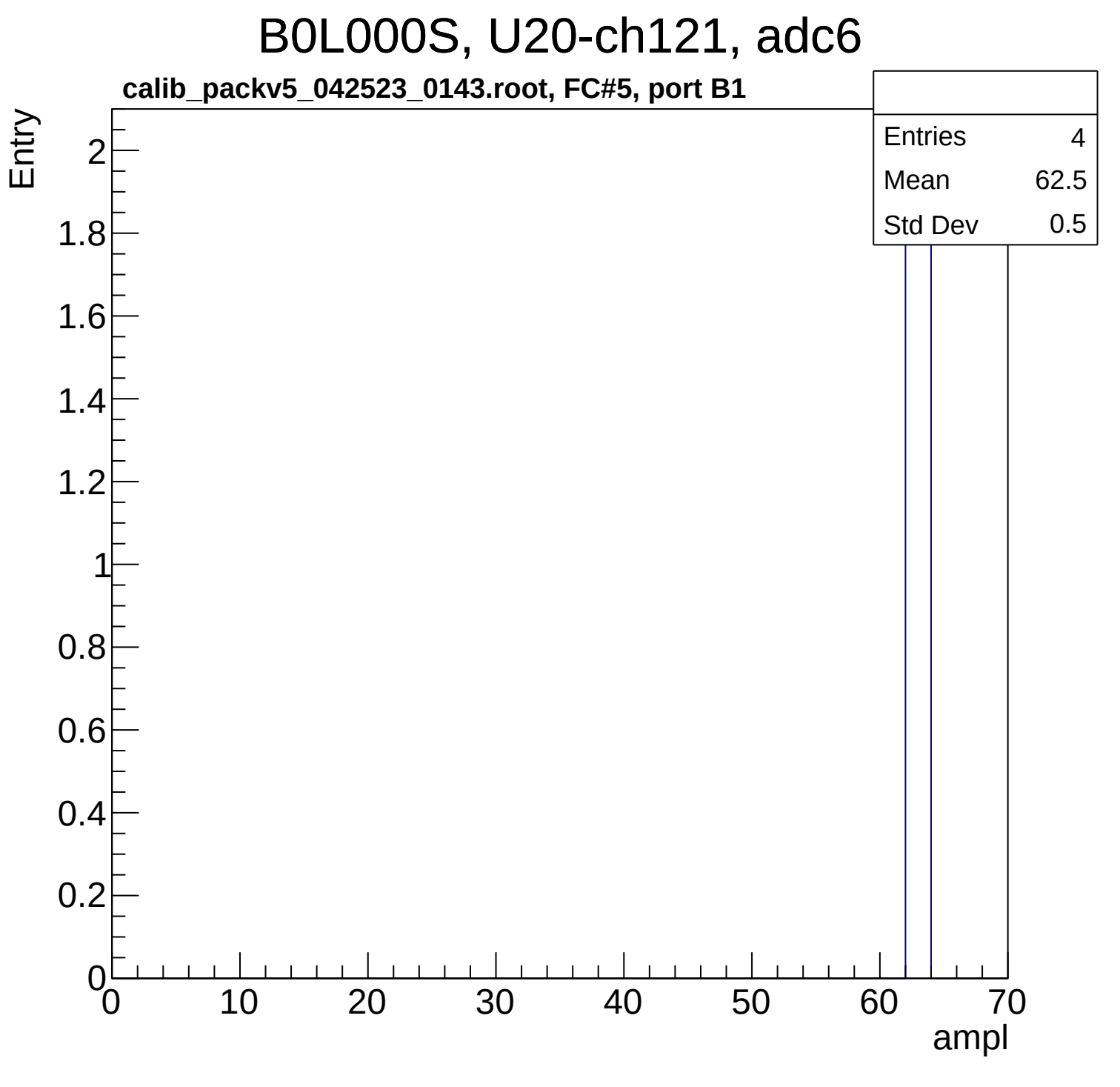
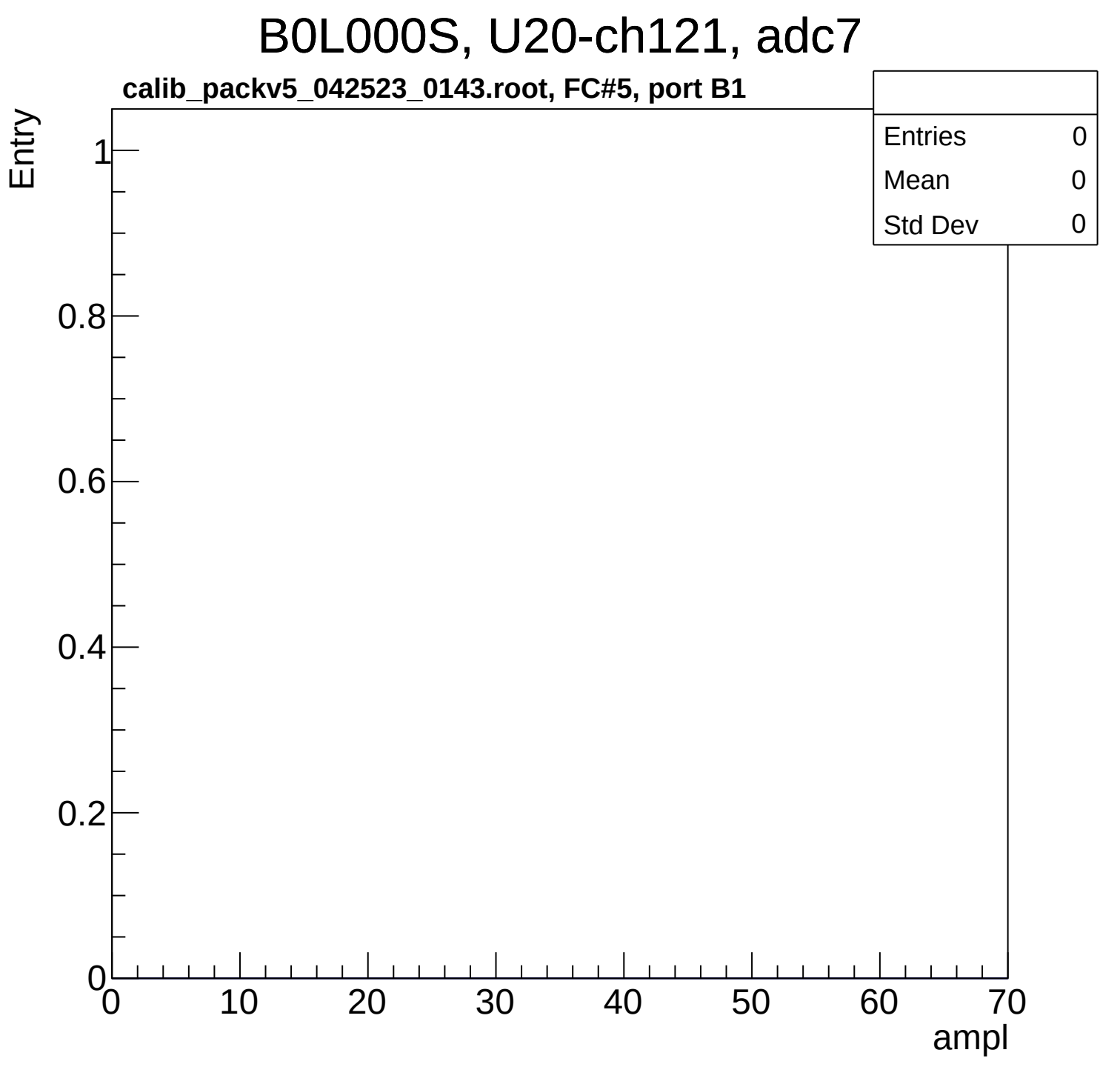

B0L000S, U20-ch121, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 72
Mean 50.01
Std Dev 3.238
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch121, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 55.82
Std Dev 3.173
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch121, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 50
Mean 58.46
Std Dev 8.814
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch121, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 4
Mean 62.5
Std Dev 0.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L000S, U20-ch121, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
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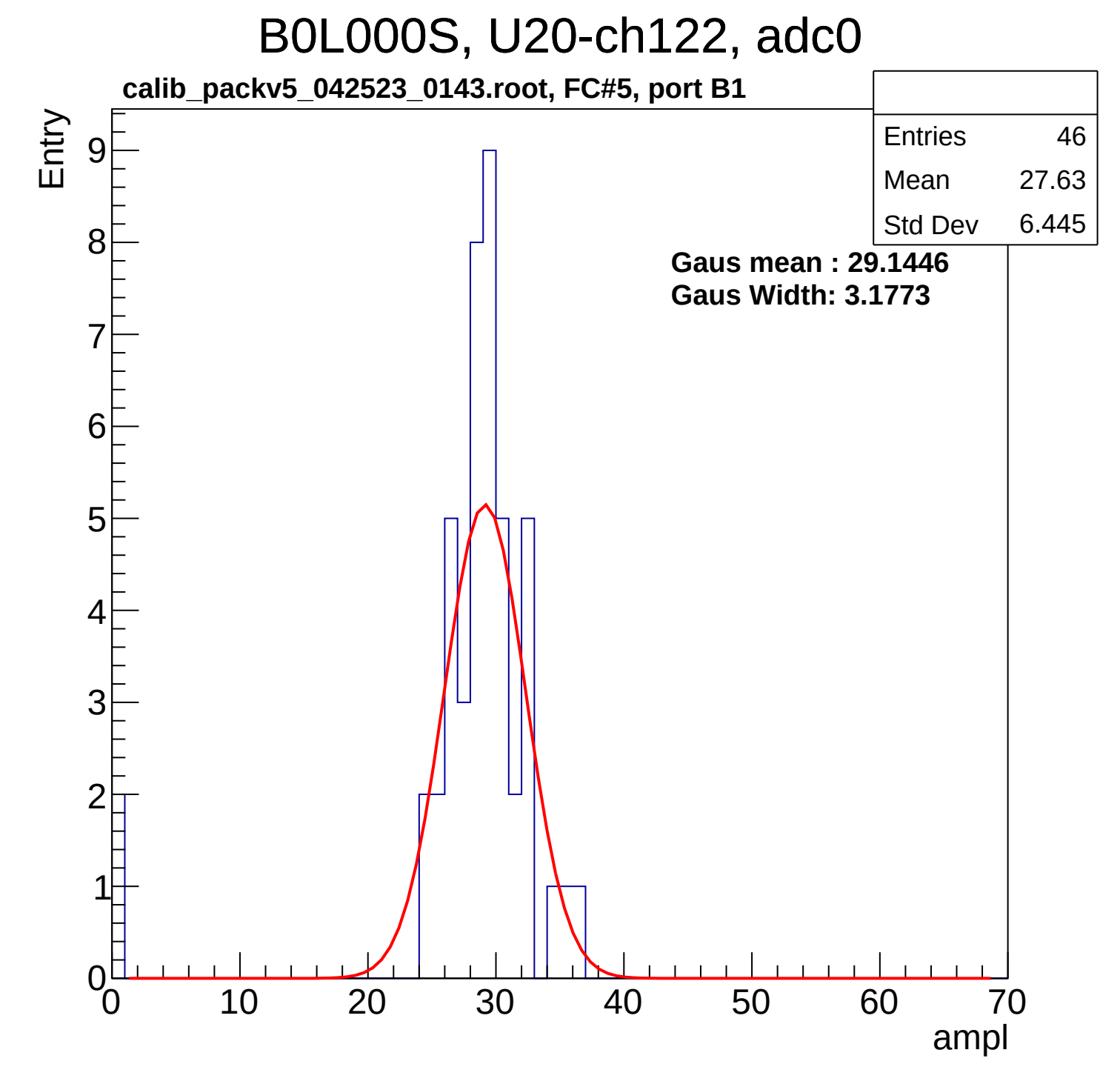
50
60
70
ampl


B0L000S, U20-ch122, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 27.63
Std Dev 6.445
Gaus mean : 29.1446
Gaus Width: 3.1773
Entry
ampl
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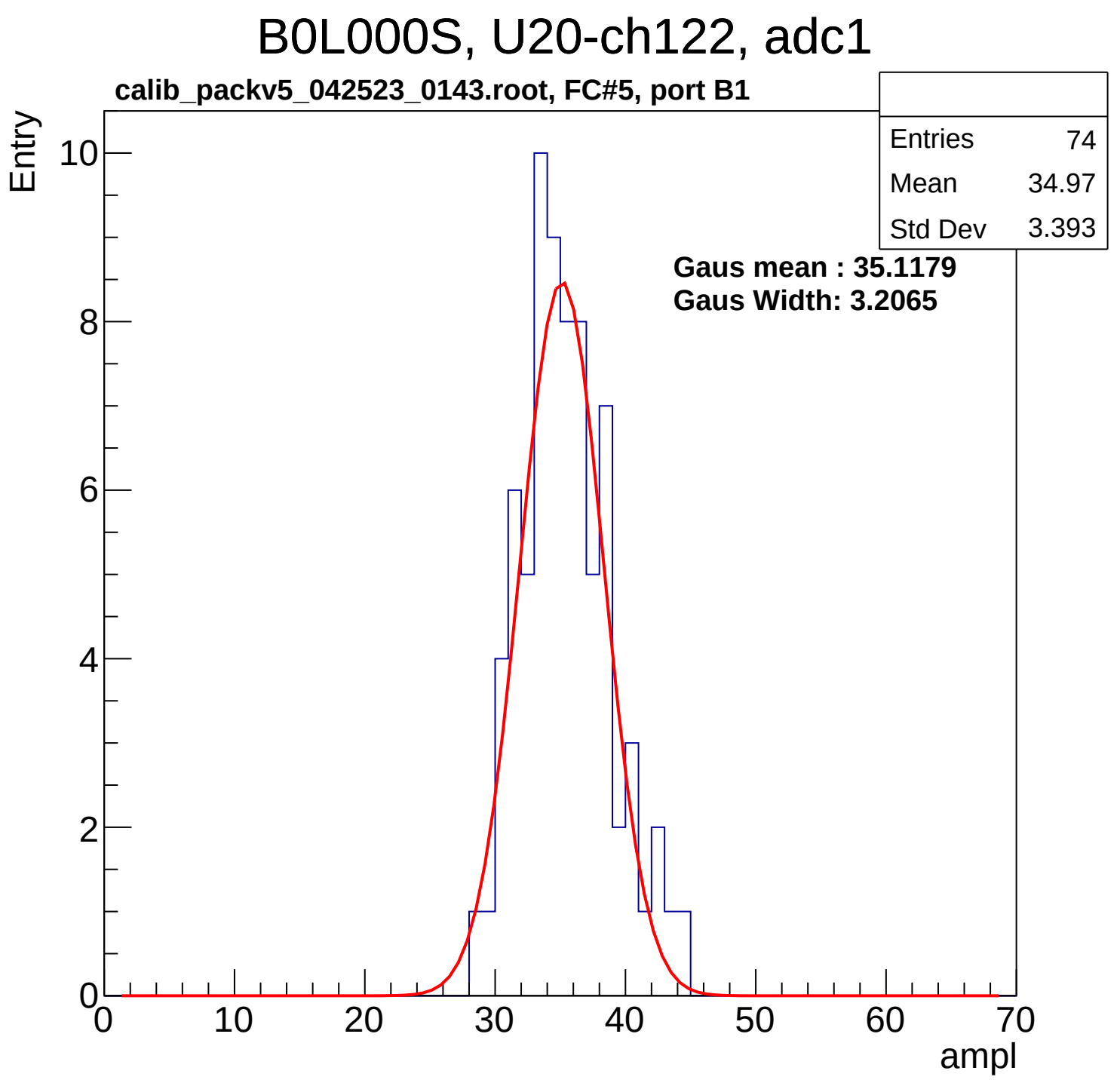
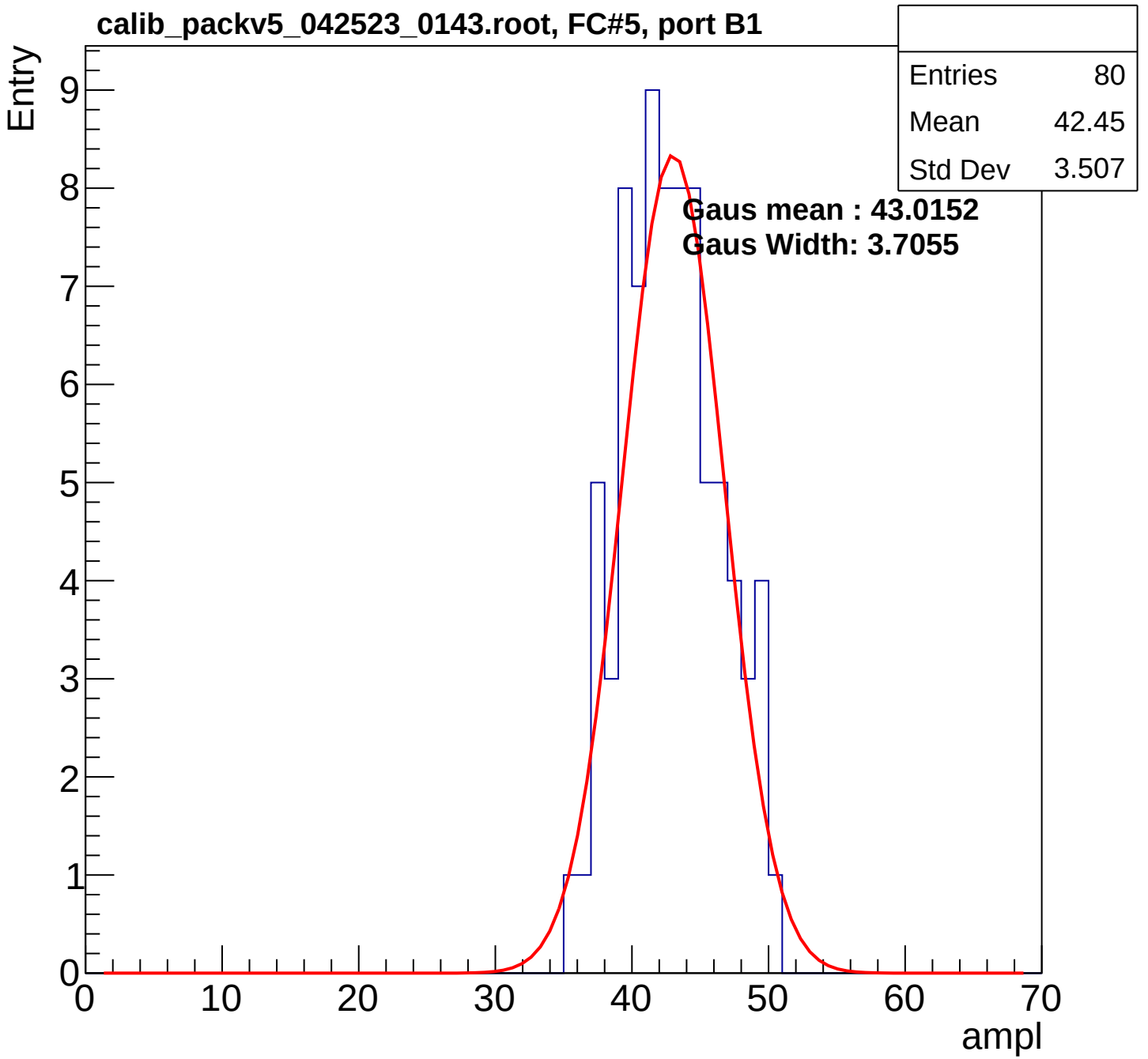
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L000S, U20-ch122, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 34.97
Std Dev 3.393
Gaus mean : 35.1179
Gaus Width: 3.2065
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L000S, U20-ch122, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 80
Mean 42.45
Std Dev 3.507
Gaus mean : 43.0152
Gaus Width: 3.7055
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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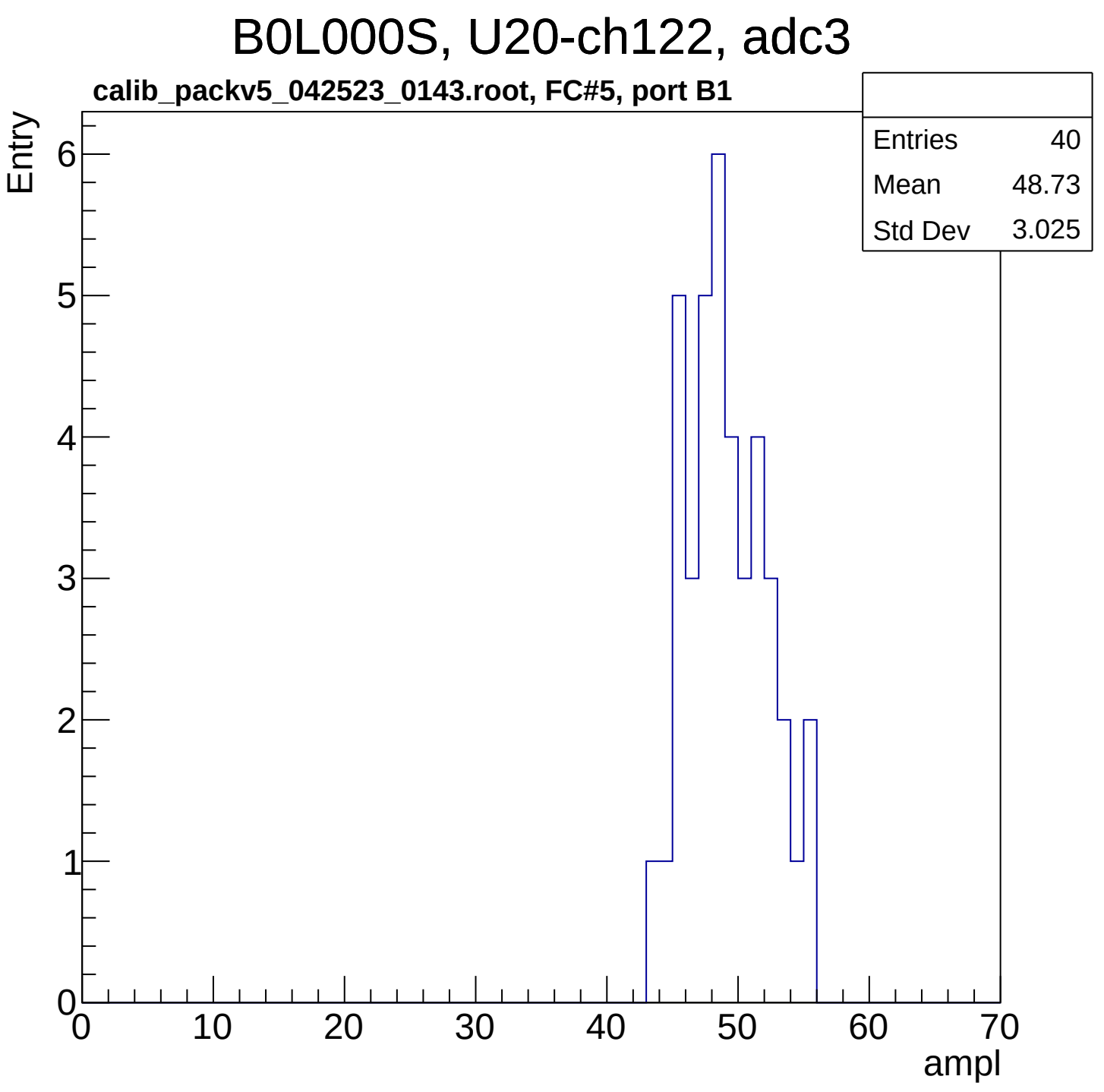
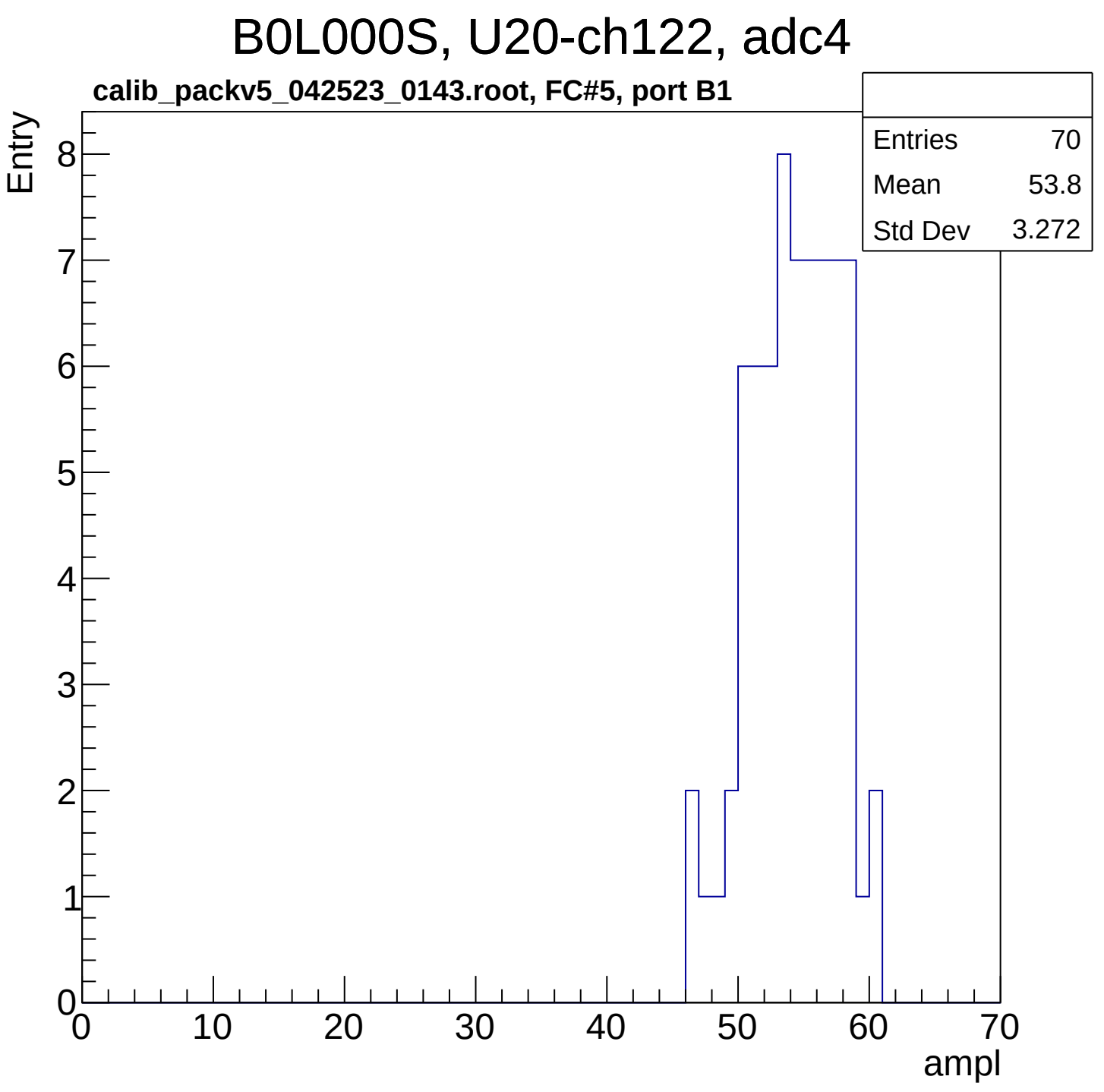
60
70


B0L000S, U20-ch122, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 40
Mean 48.73
Std Dev 3.025
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch122, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 70
Mean 53.8
Std Dev 3.272
Entry
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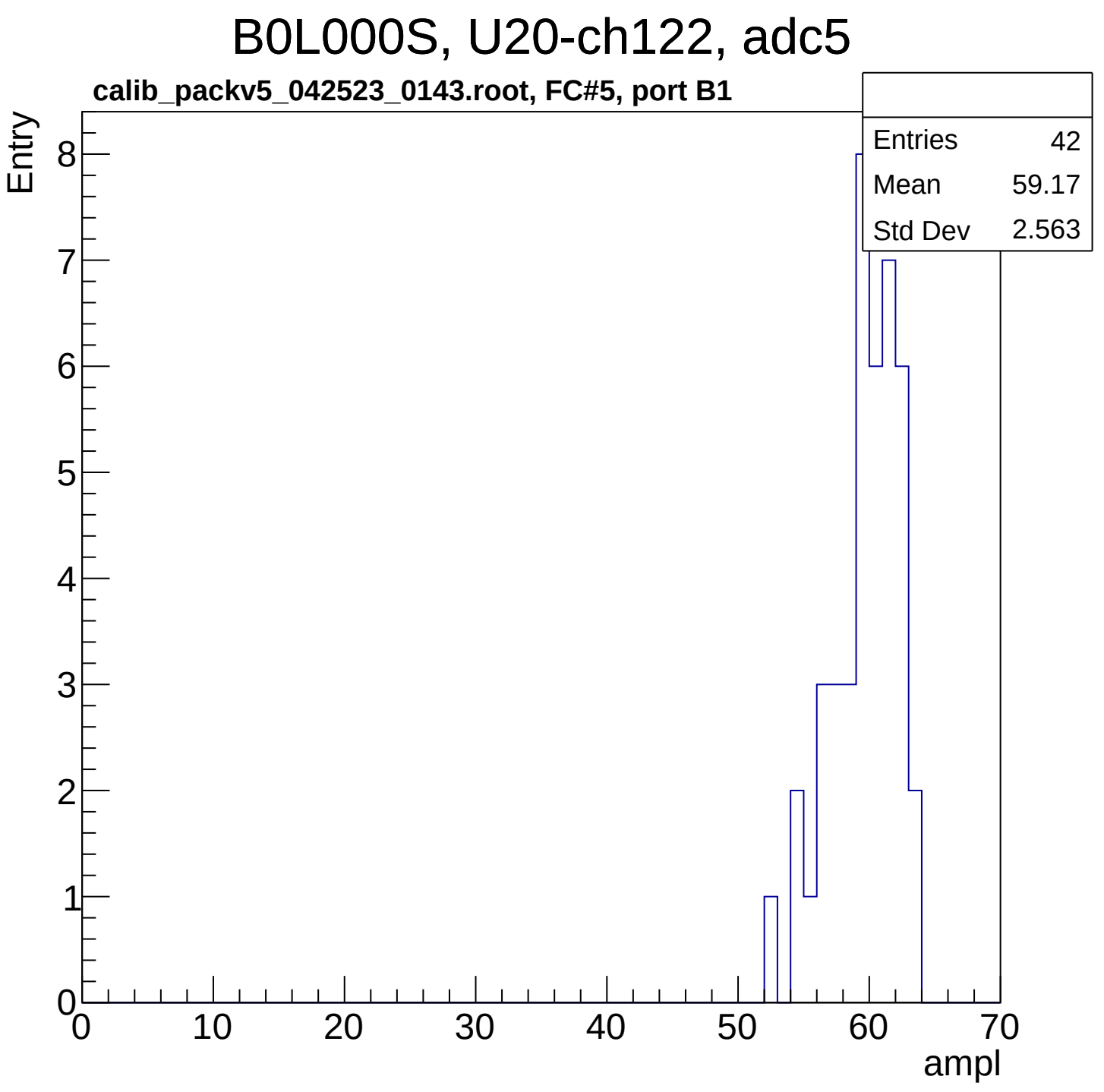
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch122, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 42
Mean 59.17
Std Dev 2.563
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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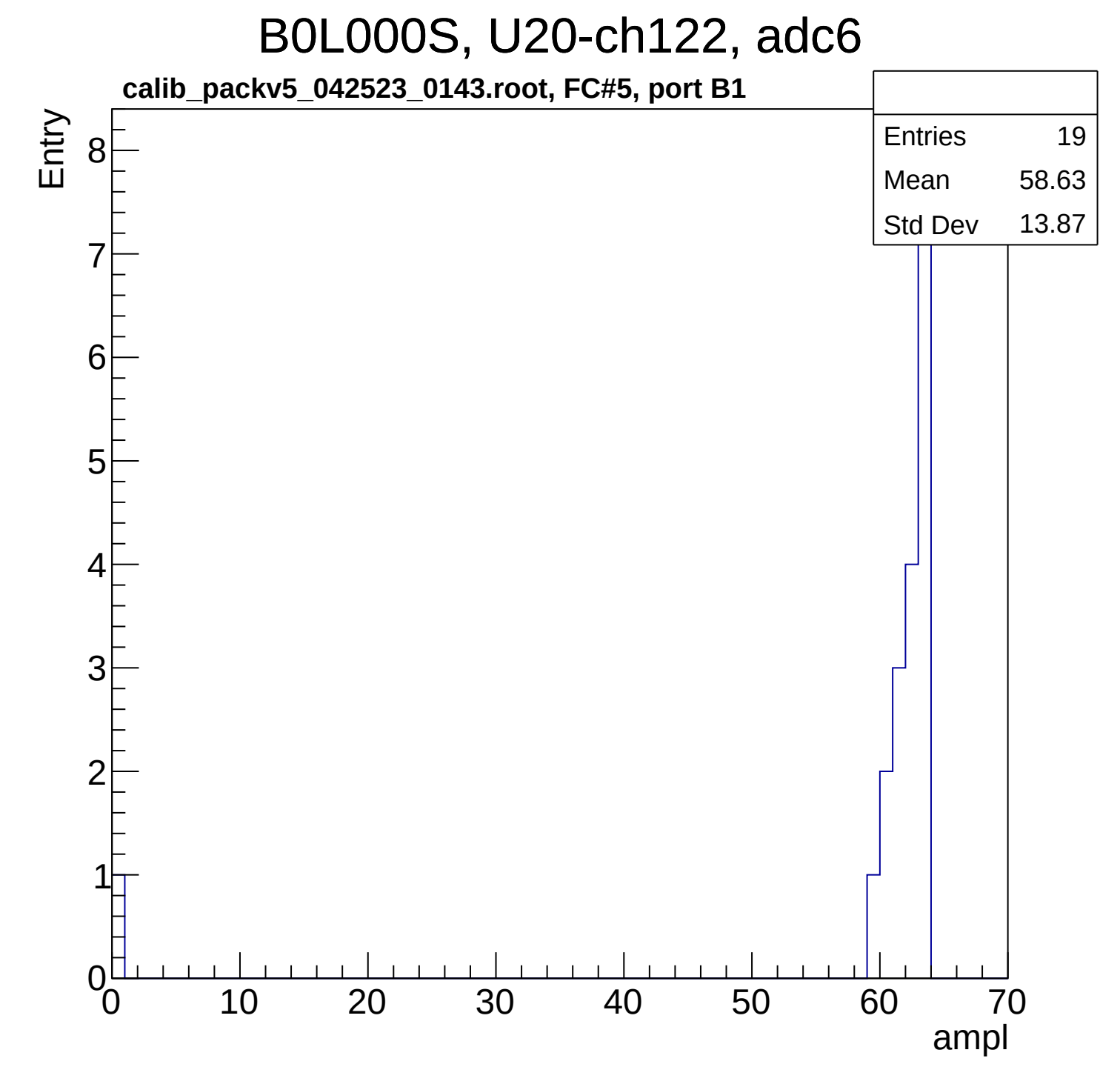
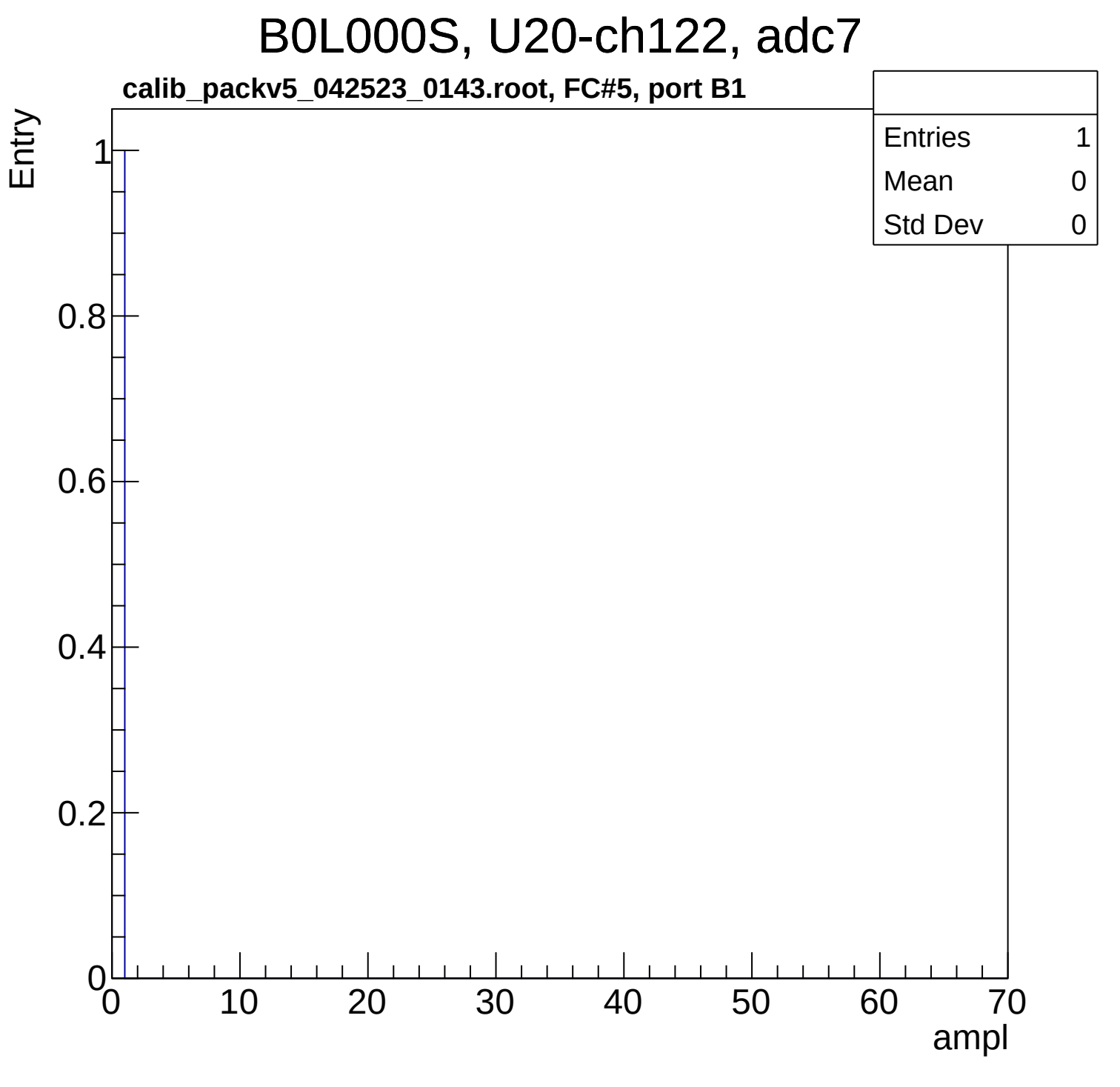

B0L000S, U20-ch122, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 19
Mean 58.63
Std Dev 13.87
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch122, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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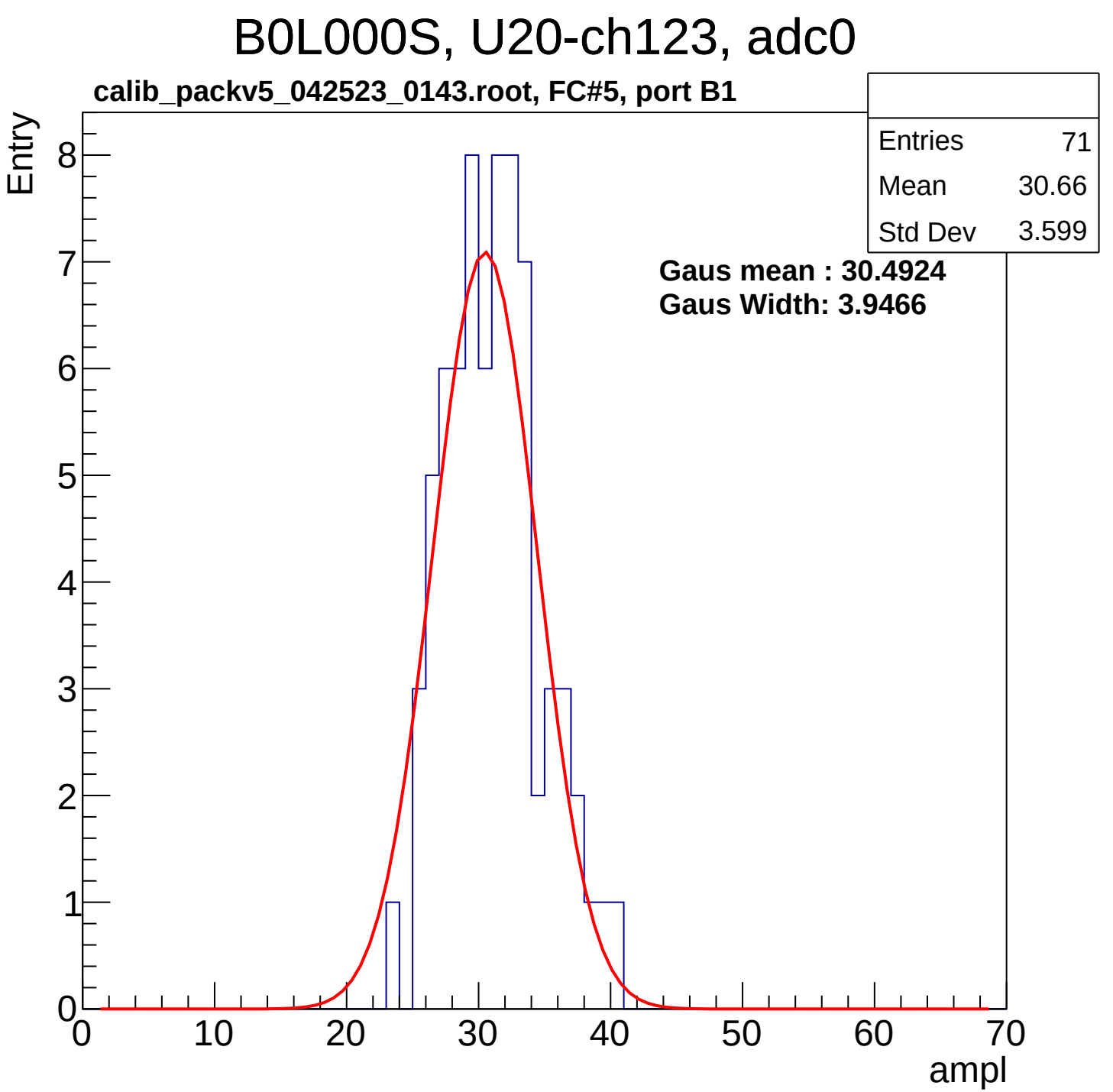
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch123, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 30.66
Std Dev 3.599
Gaus mean : 30.4924
Gaus Width: 3.9466
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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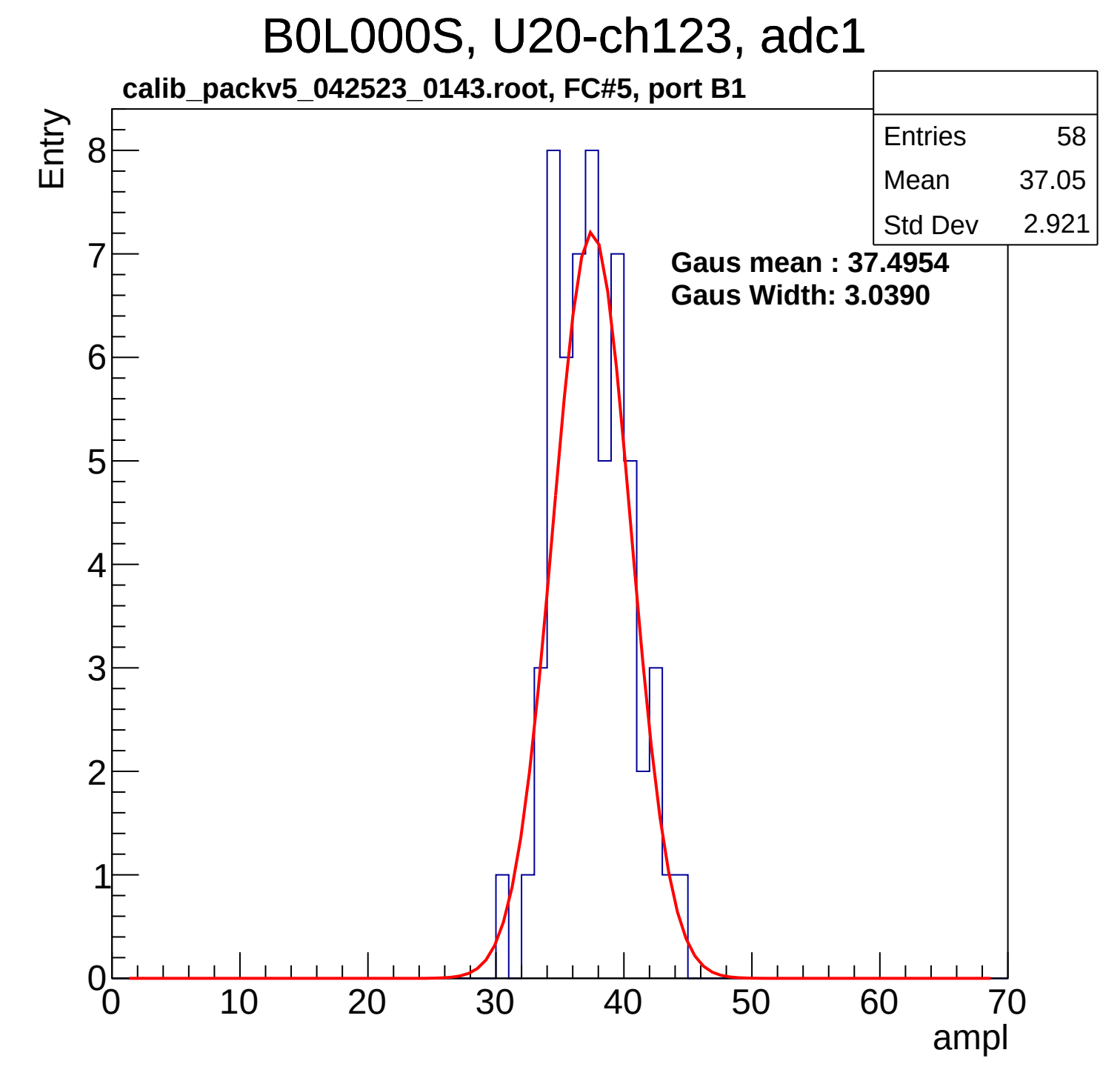
B0L000S, U20-ch123, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 37.05
Std Dev 2.921
Gaus mean : 37.4954
Gaus Width: 3.0390
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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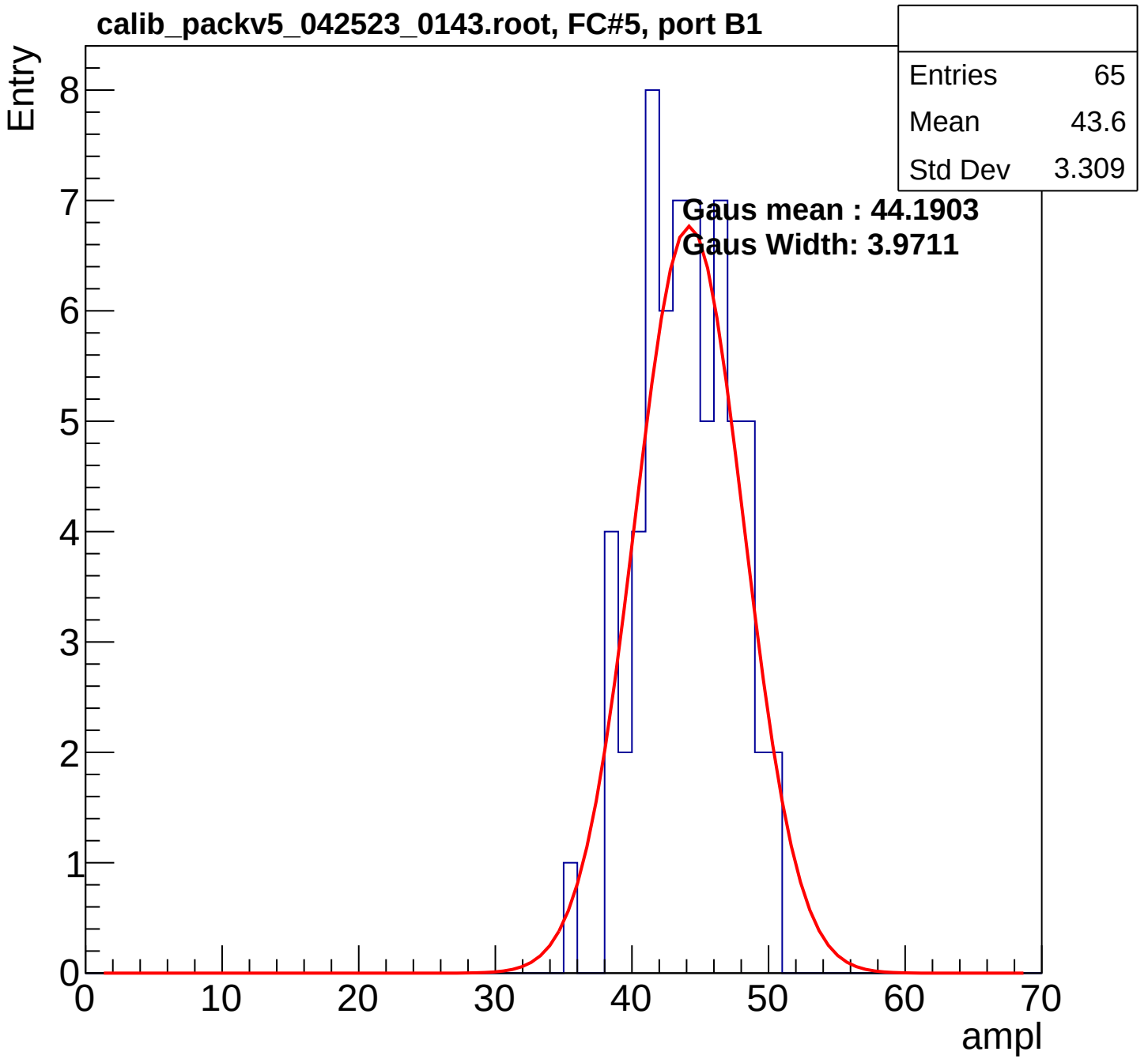
B0L000S, U20-ch123, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 43.6
Std Dev 3.309
Gaus mean : 44.1903
Gaus Width: 3.9711
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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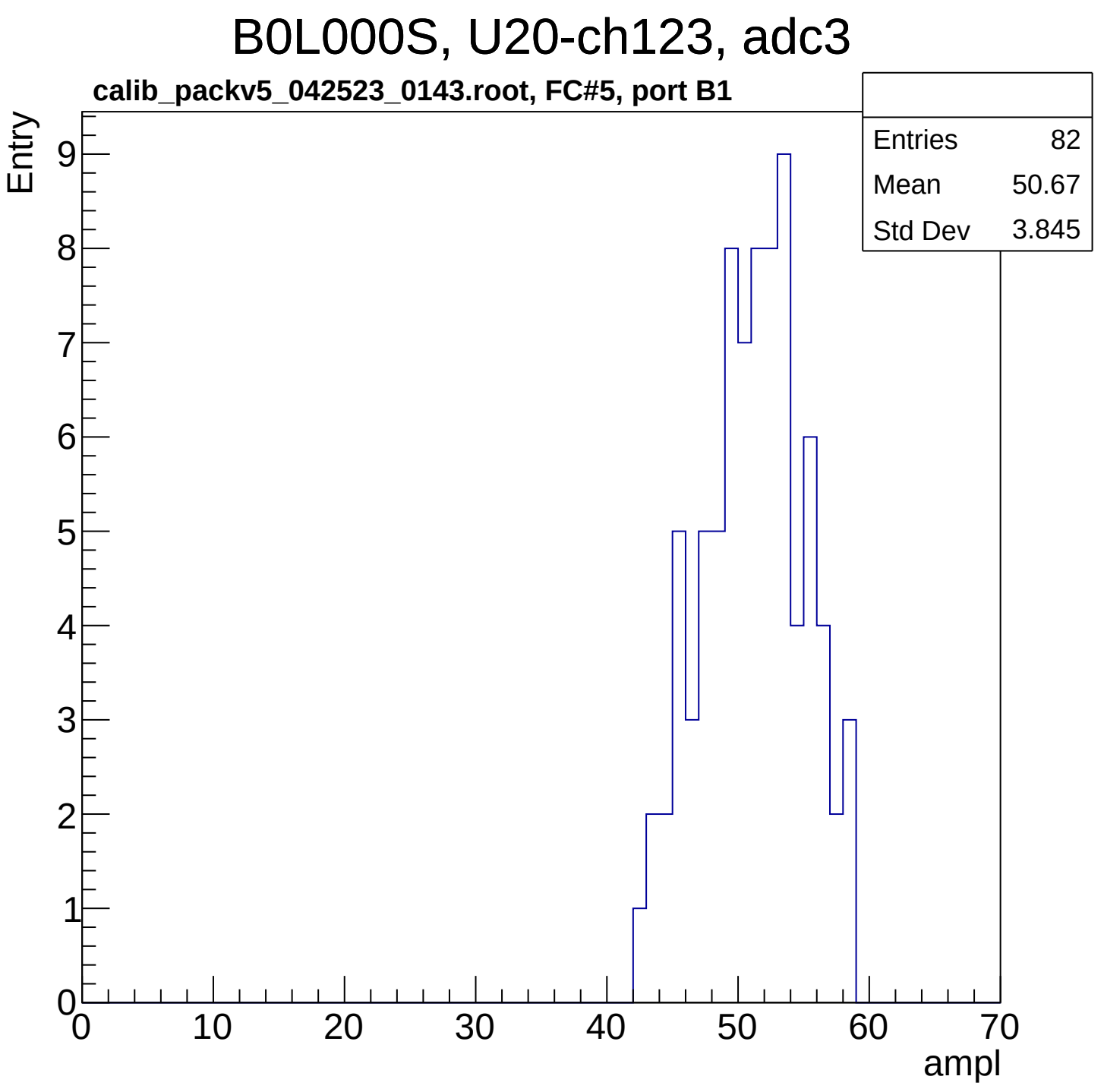
40
50
60
70


B0L000S, U20-ch123, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 82
Mean 50.67
Std Dev 3.845
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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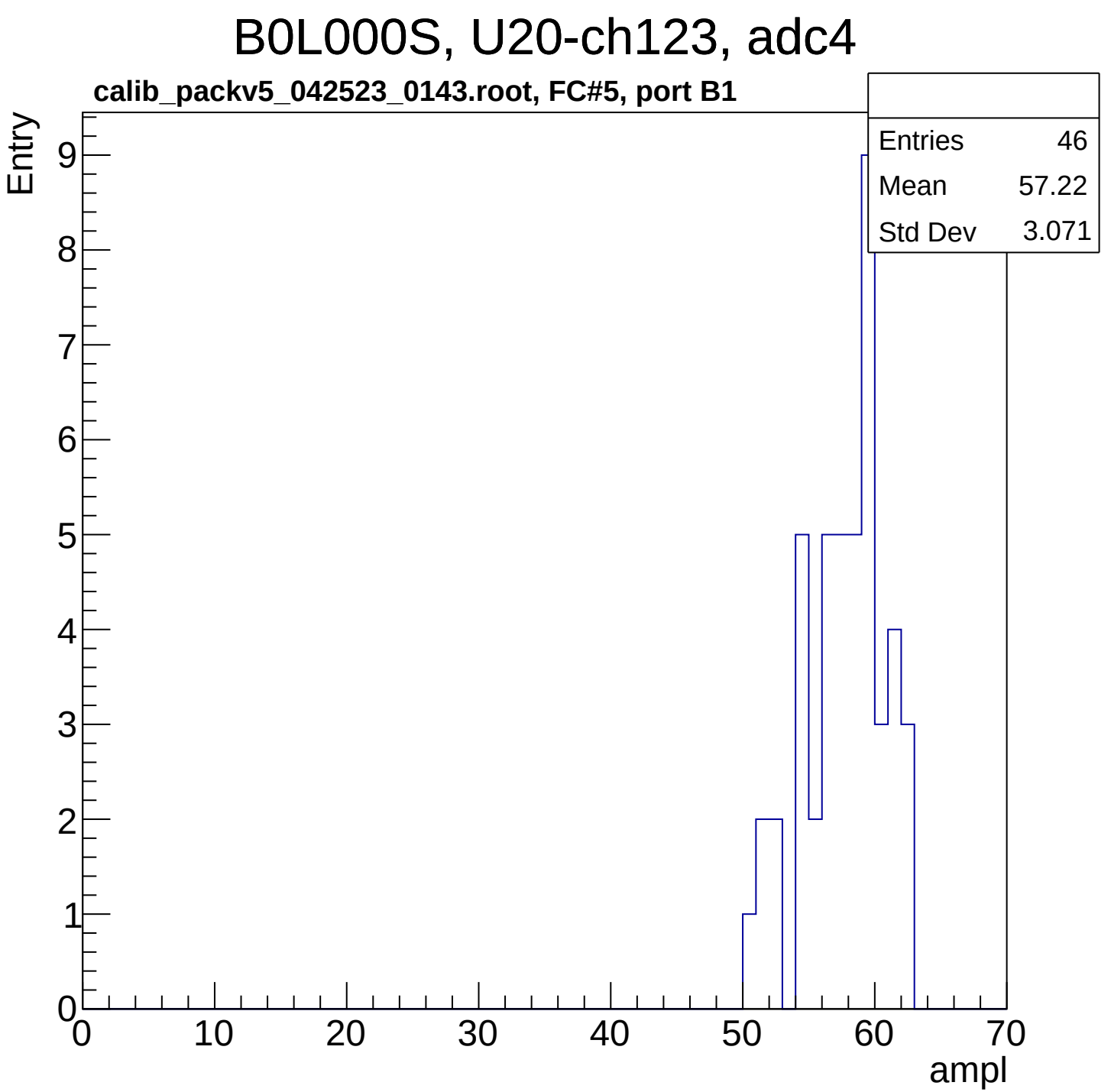
B0L000S, U20-ch123, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 46
Mean 57.22
Std Dev 3.071
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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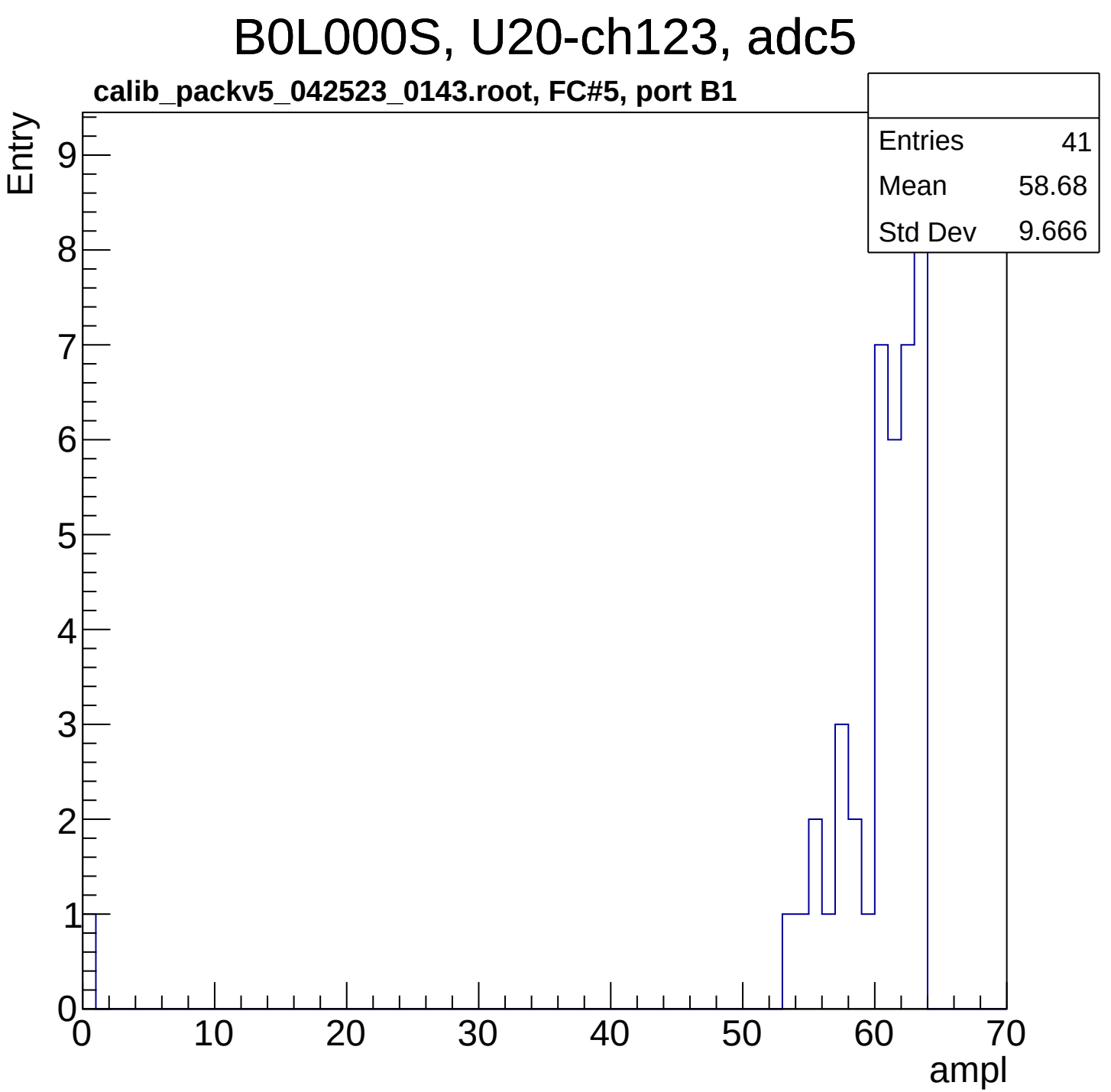
B0L000S, U20-ch123, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 41
Mean 58.68
Std Dev 9.666
Entry
ampl
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3
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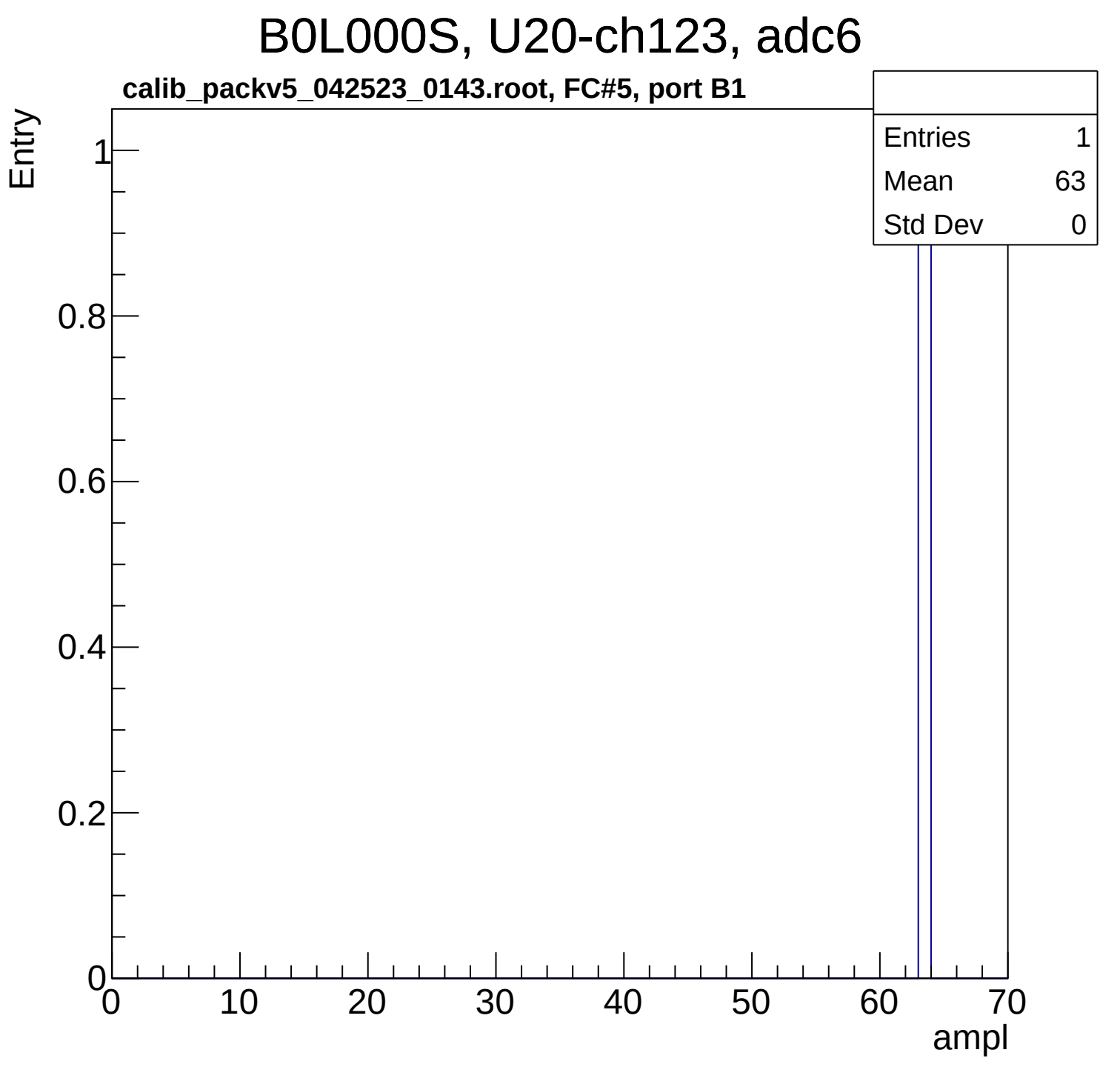
B0L000S, U20-ch123, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 63
Std Dev 0
Entry
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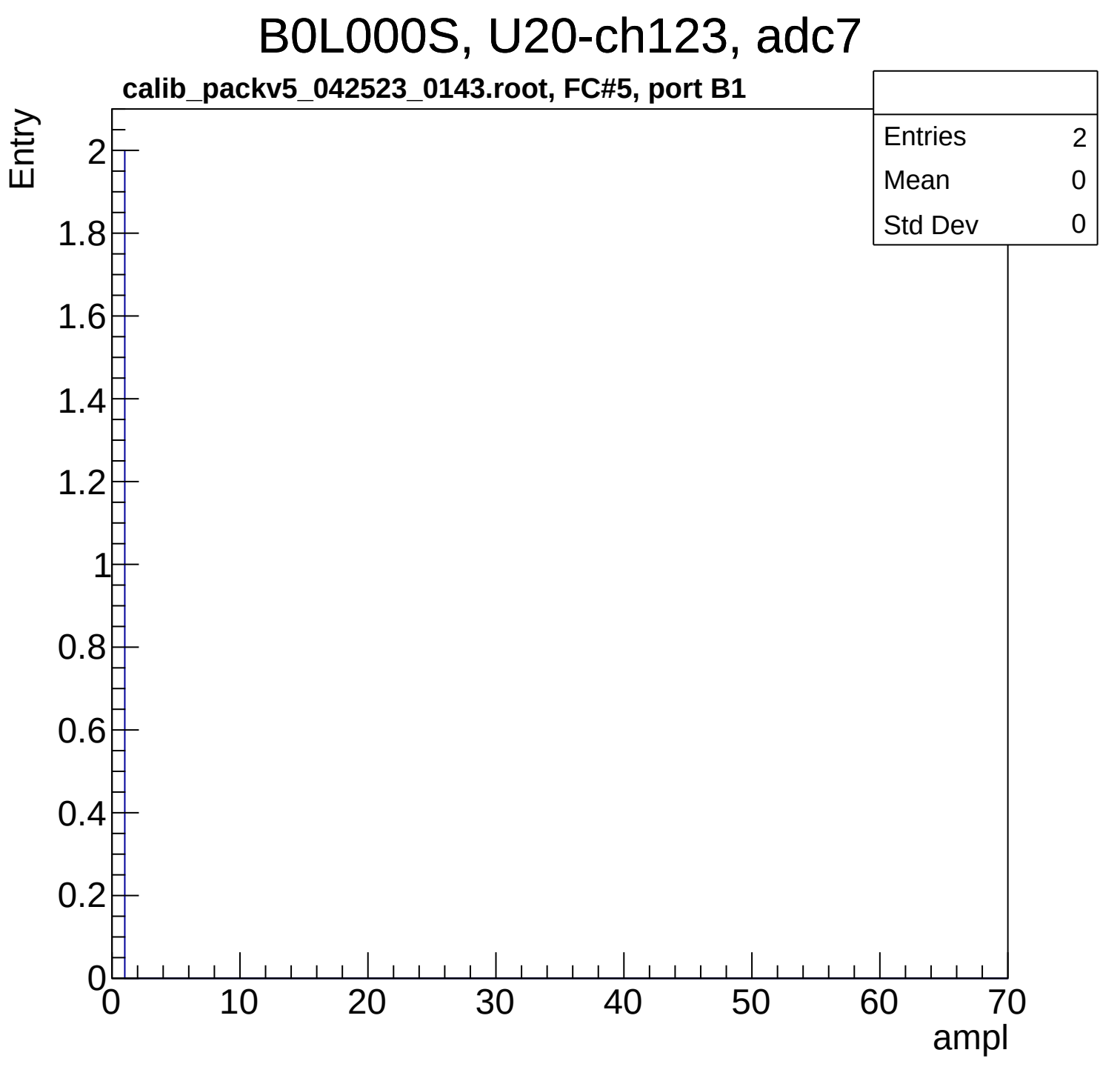
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch123, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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40
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60
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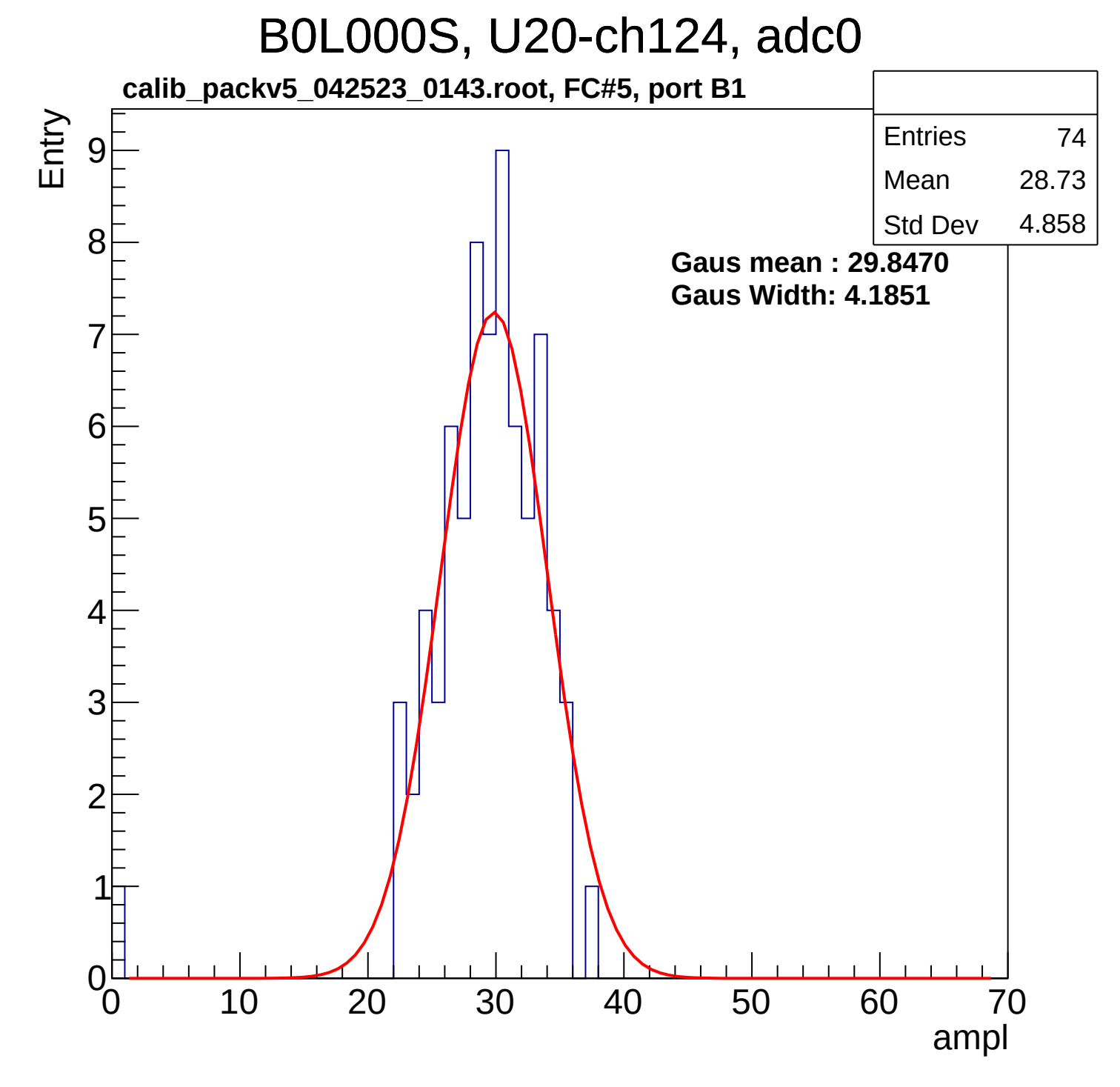
B0L000S, U20-ch124, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 28.73
Std Dev 4.858
Gaus mean : 29.8470
Gaus Width: 4.1851
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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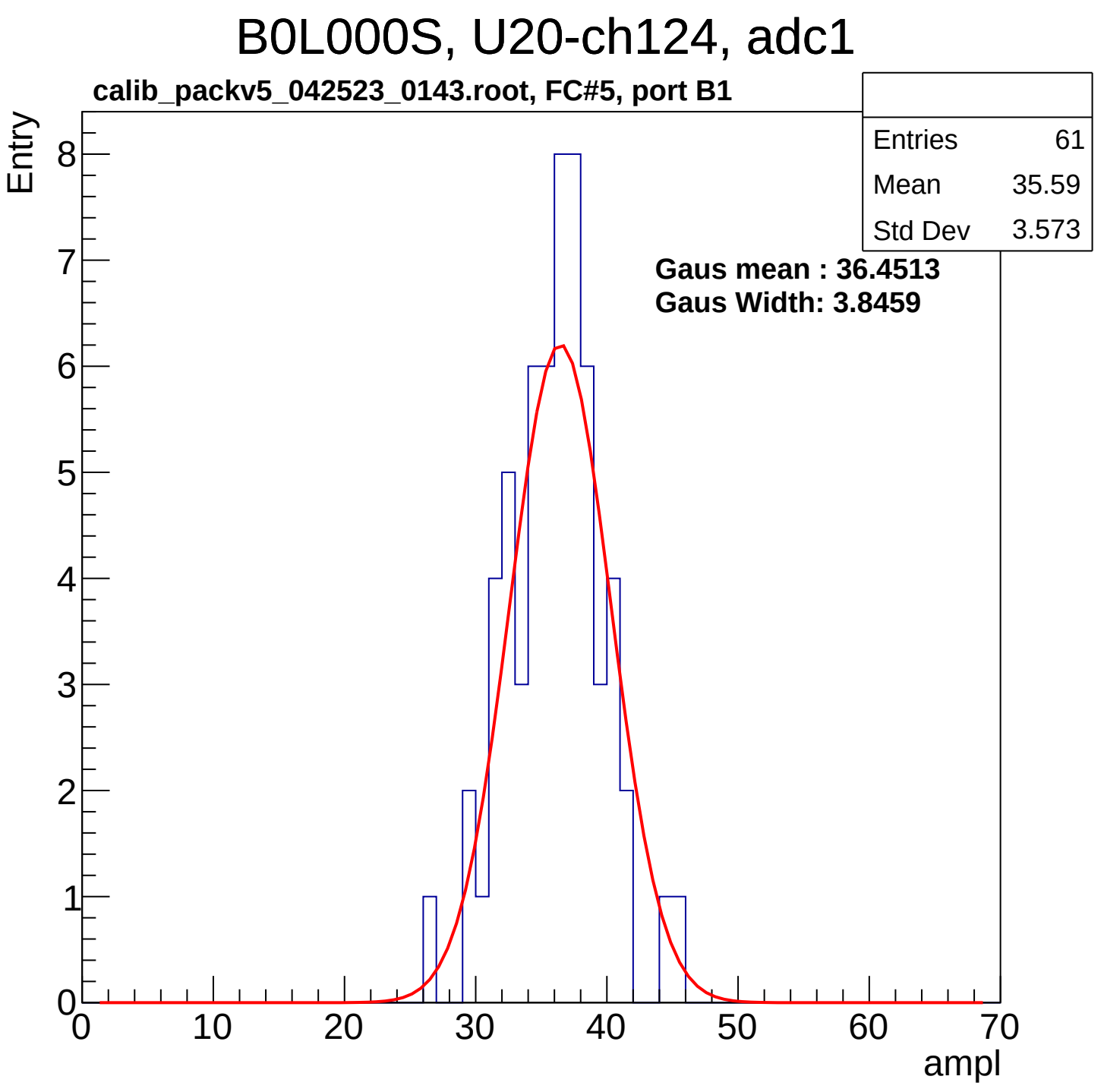
B0L000S, U20-ch124, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 61
Mean 35.59
Std Dev 3.573
Gaus mean : 36.4513
Gaus Width: 3.8459
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
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40
50
60
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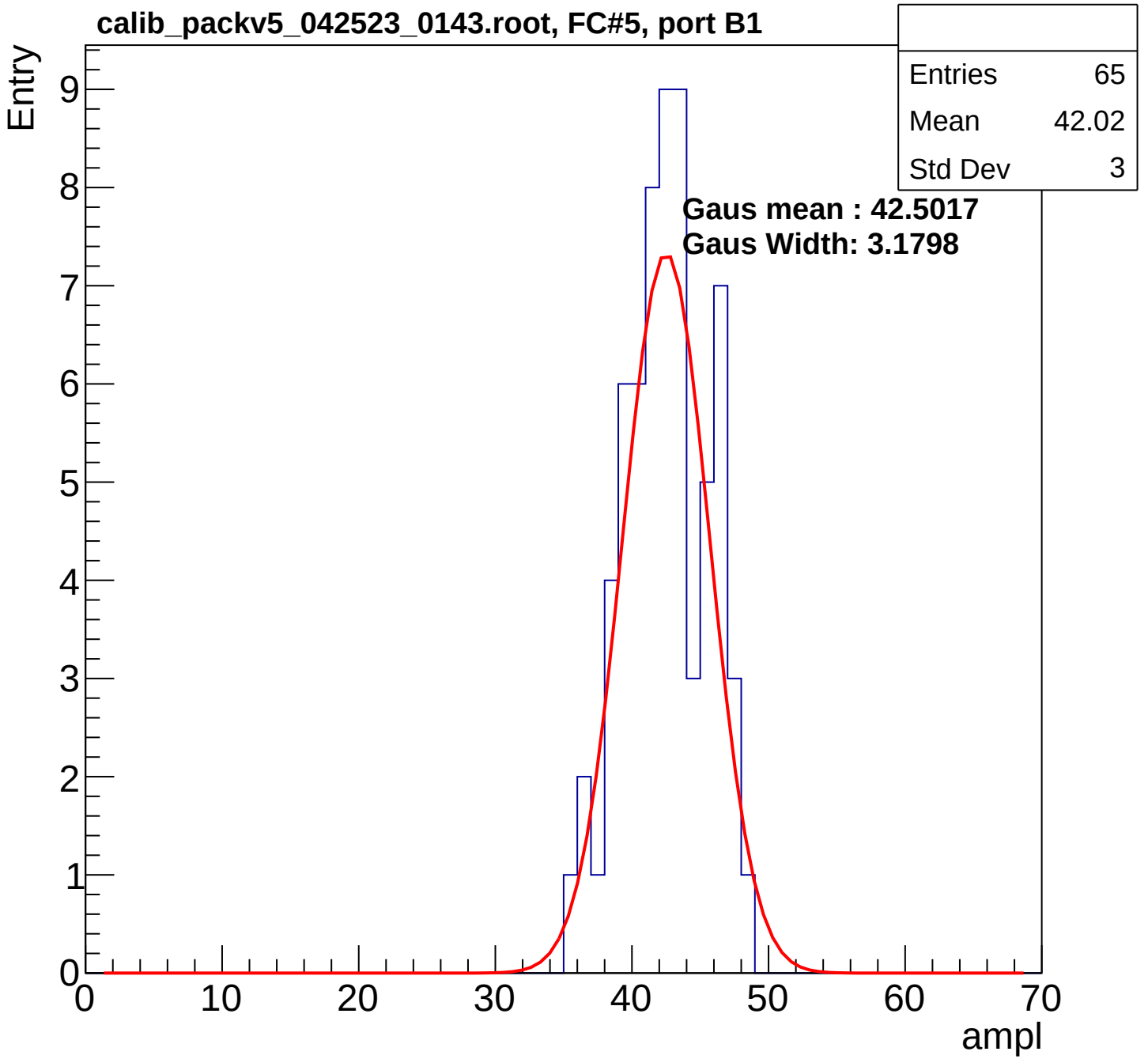
B0L000S, U20-ch124, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 65
Mean 42.02
Std Dev 3
Gaus mean : 42.5017
Gaus Width: 3.1798
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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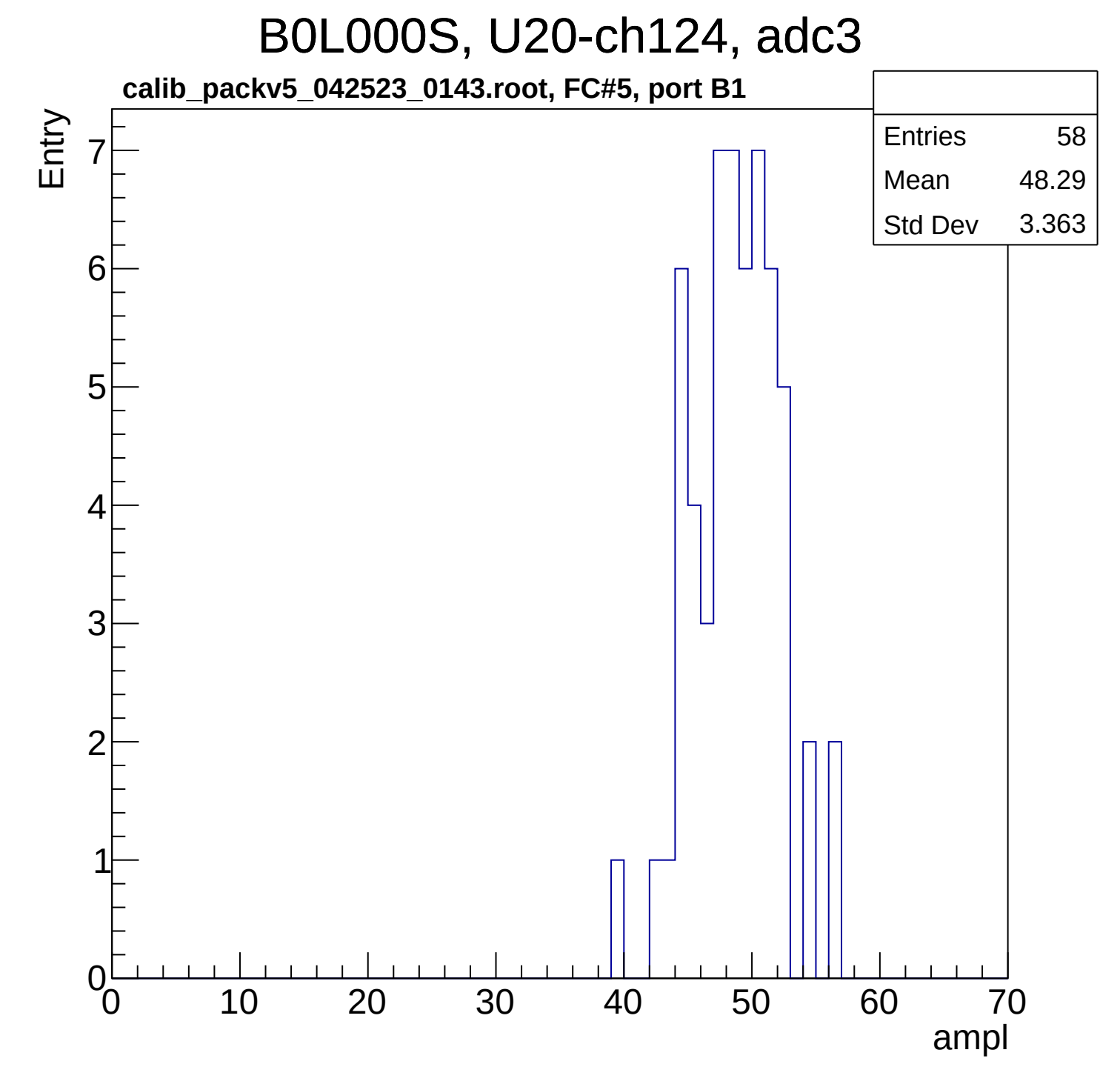
B0L000S, U20-ch124, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 58
Mean 48.29
Std Dev 3.363
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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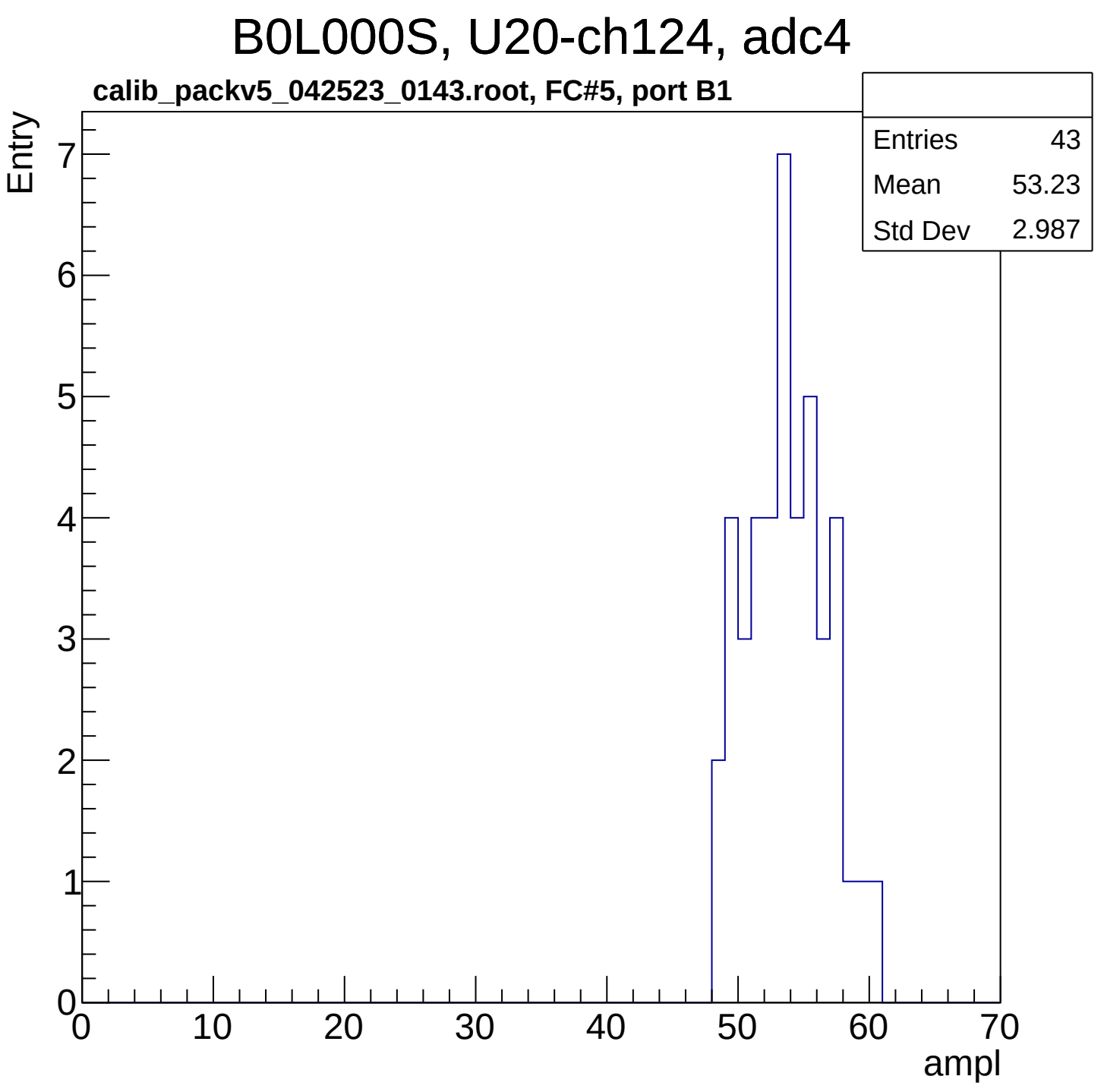
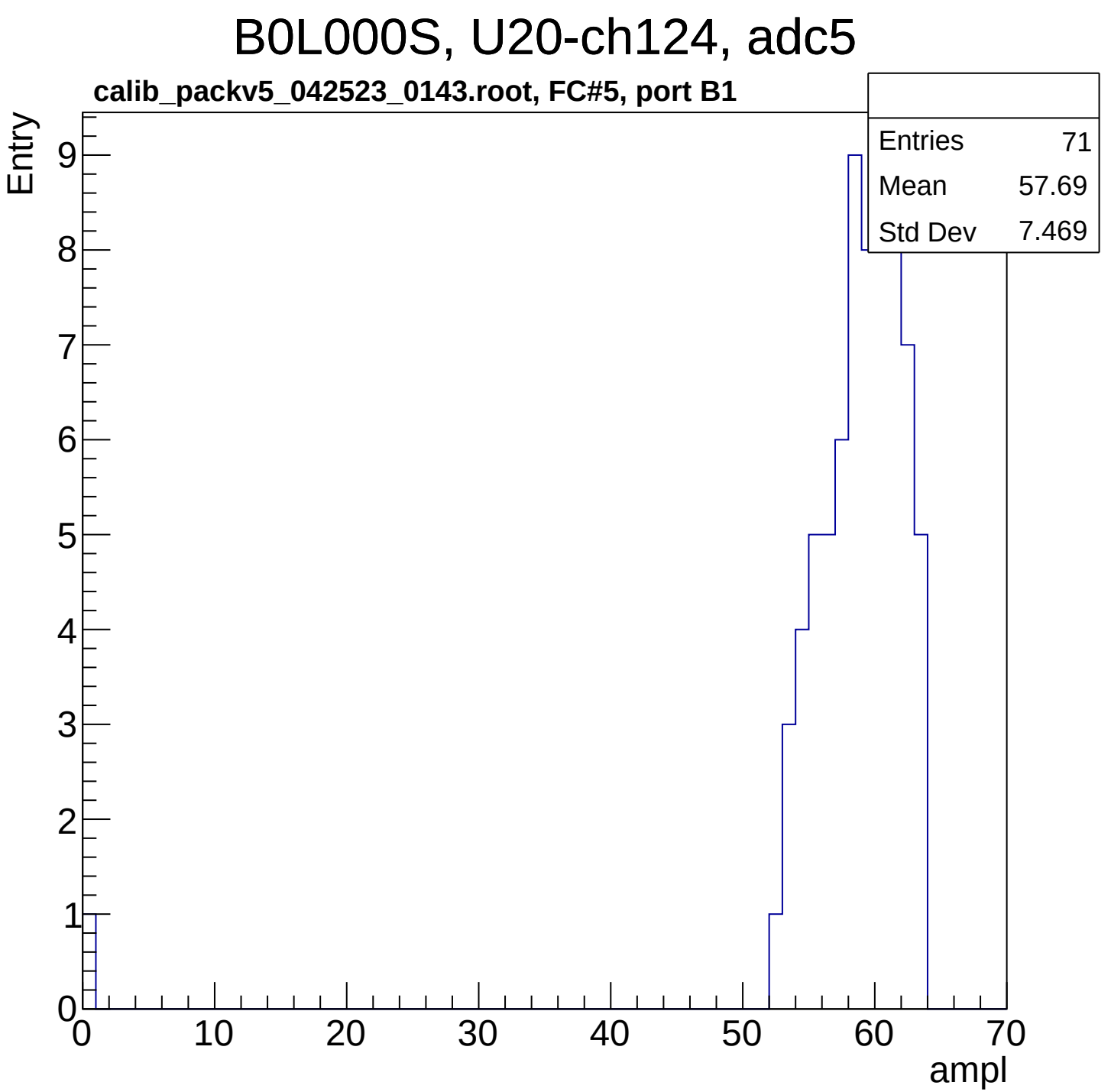

B0L000S, U20-ch124, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 43
Mean 53.23
Std Dev 2.987
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch124, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 71
Mean 57.69
Std Dev 7.469
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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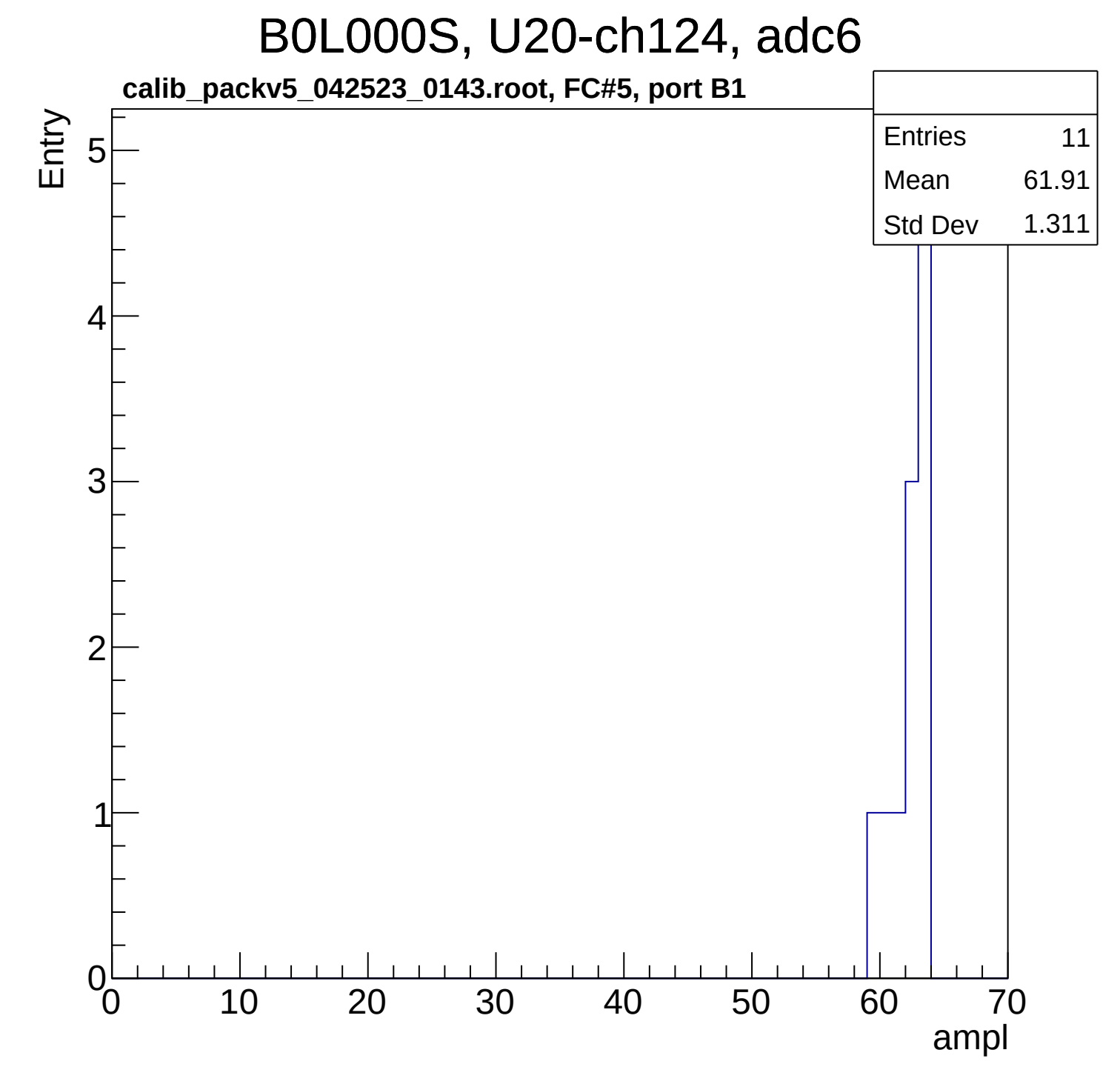
B0L000S, U20-ch124, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 61.91
Std Dev 1.311
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
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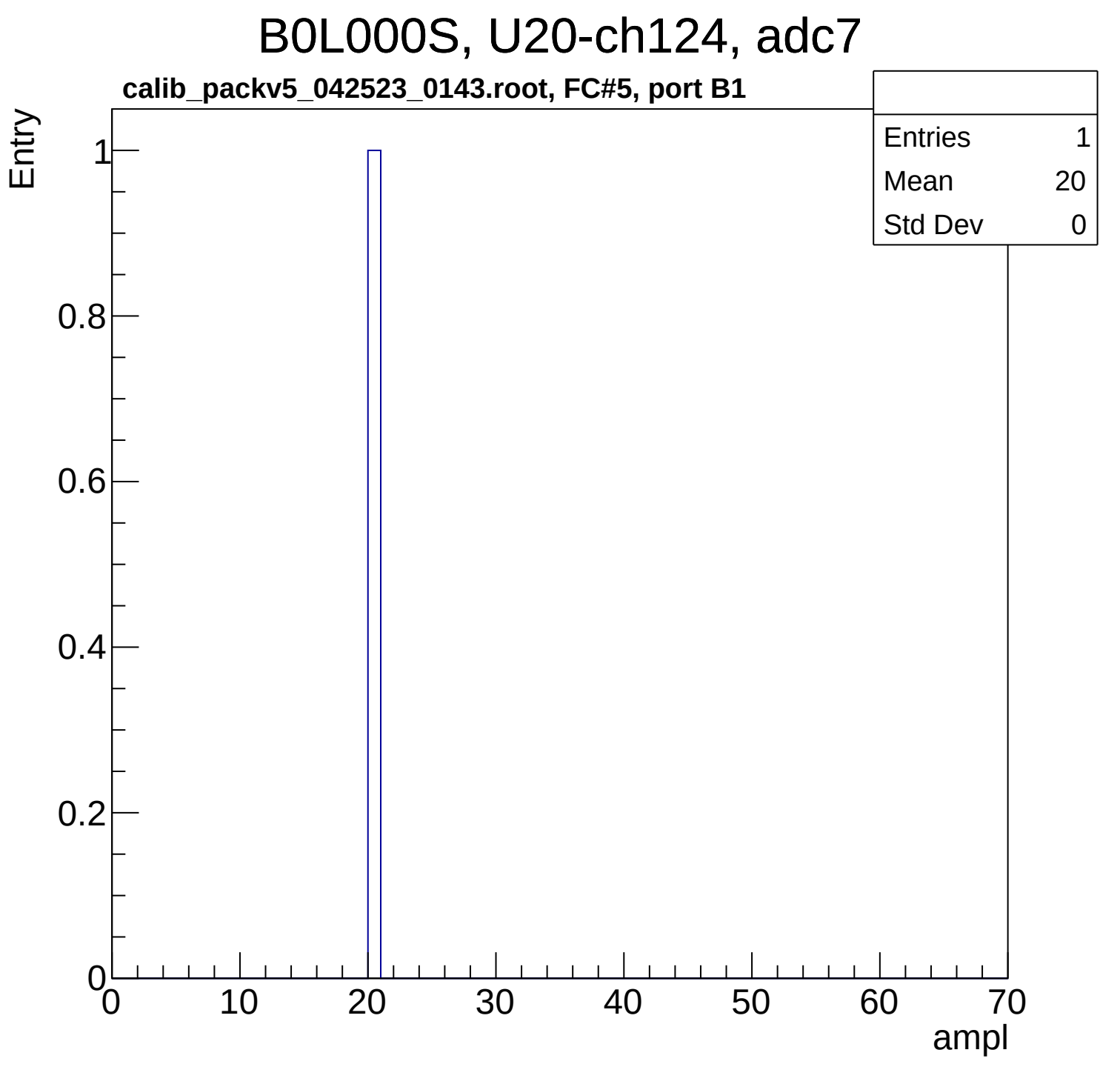
B0L000S, U20-ch124, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 20
Std Dev 0
Entry
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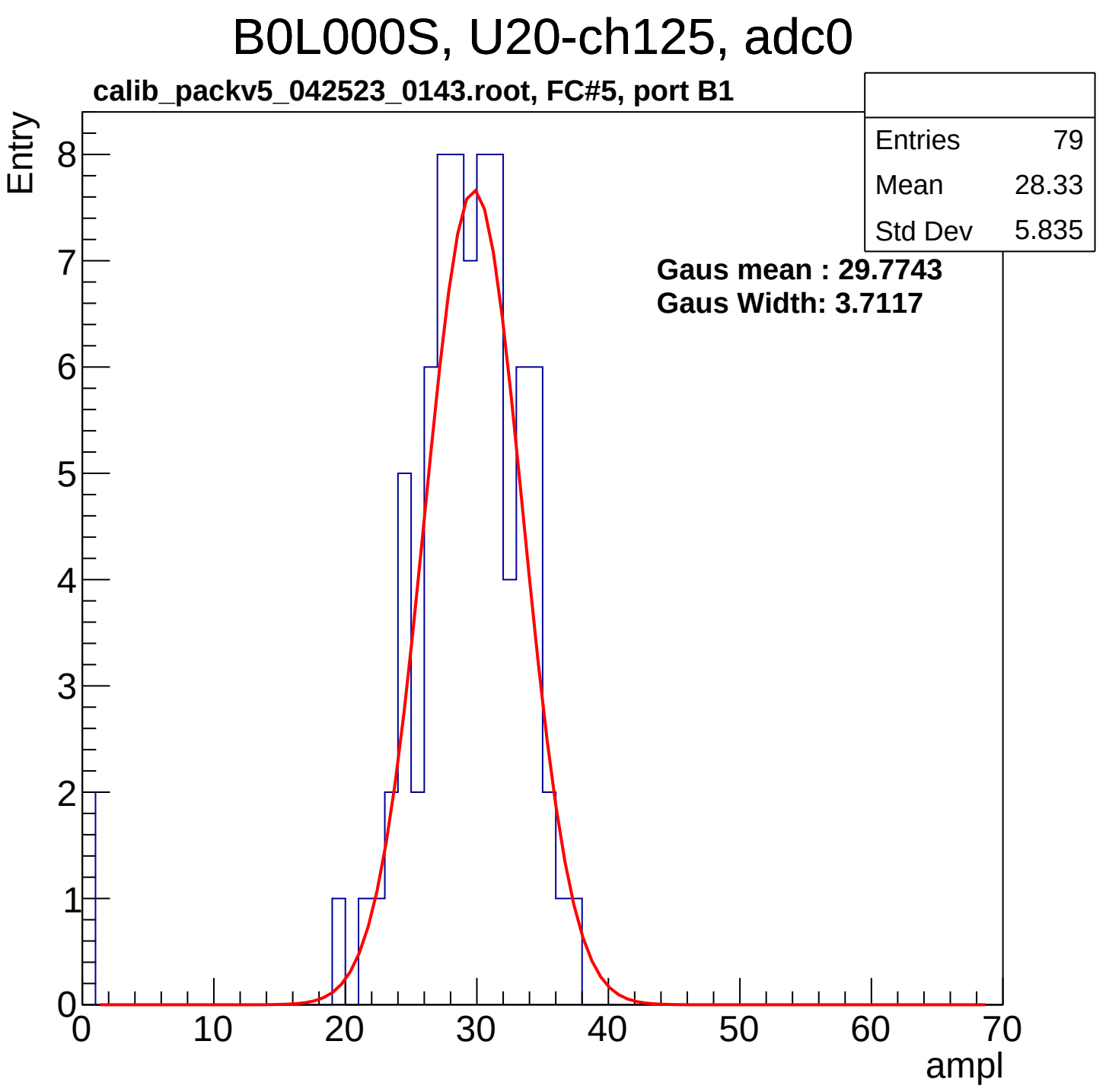
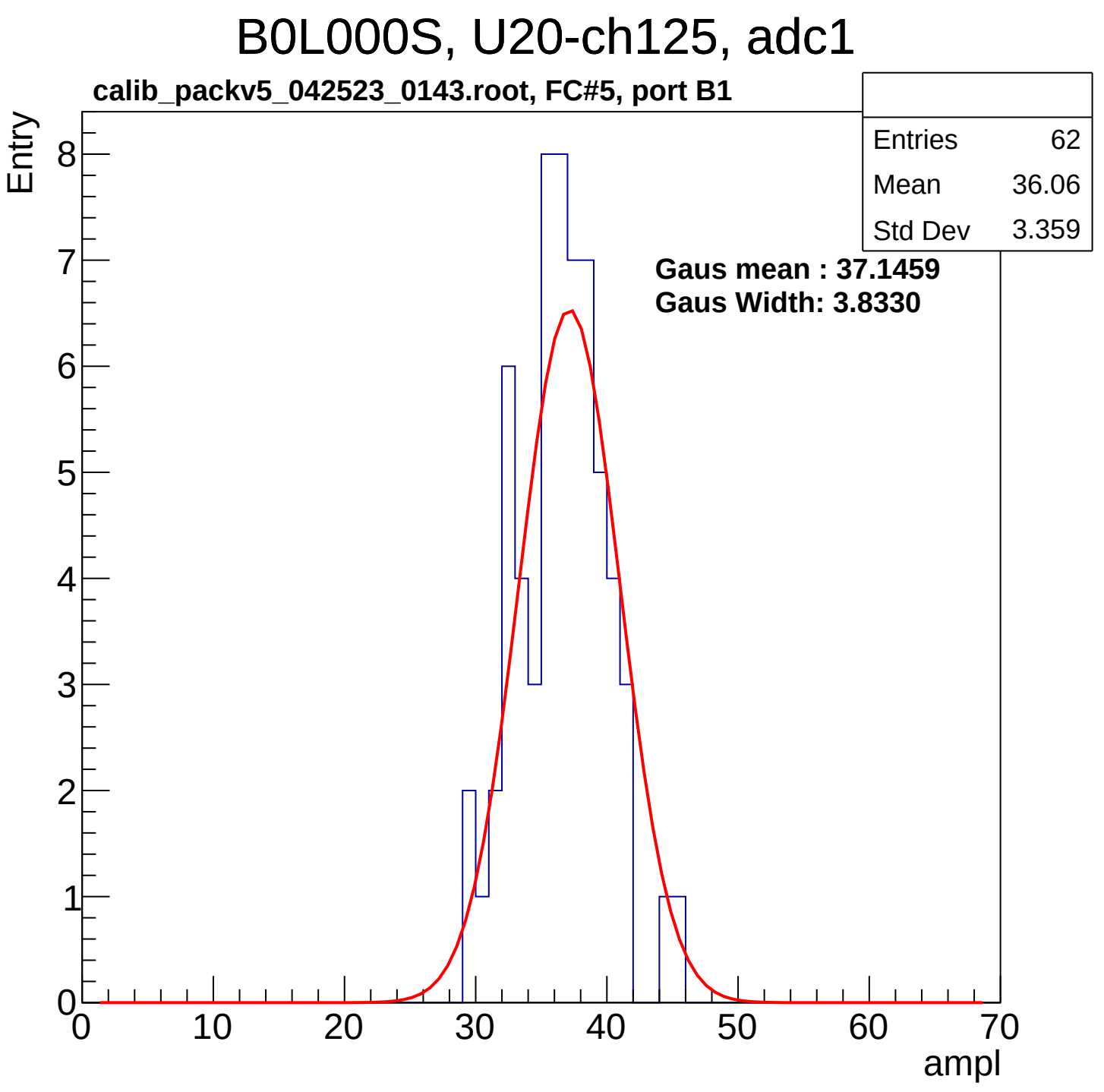
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch125, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 79
Mean 28.33
Std Dev 5.835
Gaus mean : 29.7743
Gaus Width: 3.7117
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch125, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 36.06
Std Dev 3.359
Gaus mean : 37.1459
Gaus Width: 3.8330
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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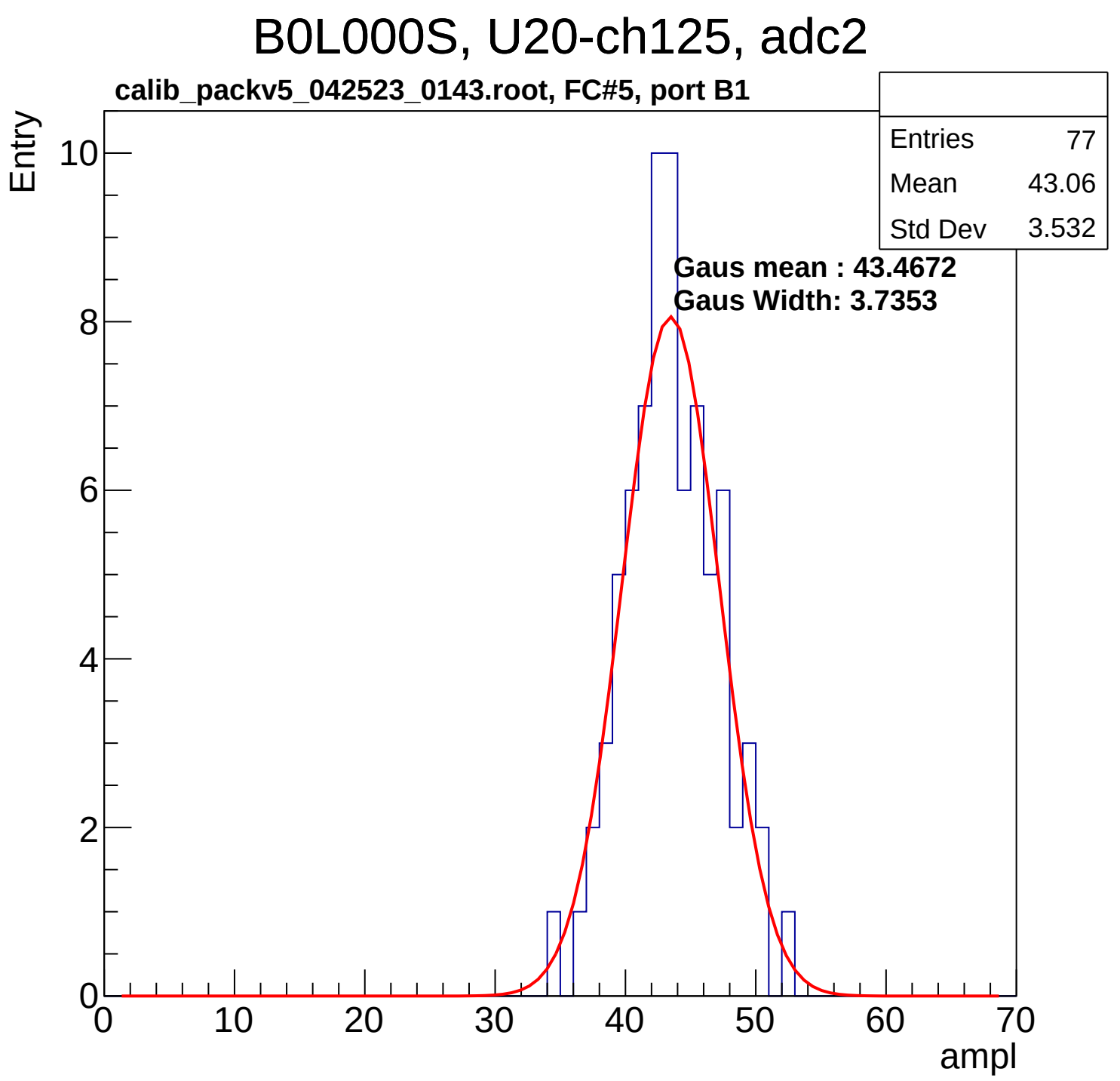
B0L000S, U20-ch125, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 77
Mean 43.06
Std Dev 3.532
Gaus mean : 43.4672
Gaus Width: 3.7353
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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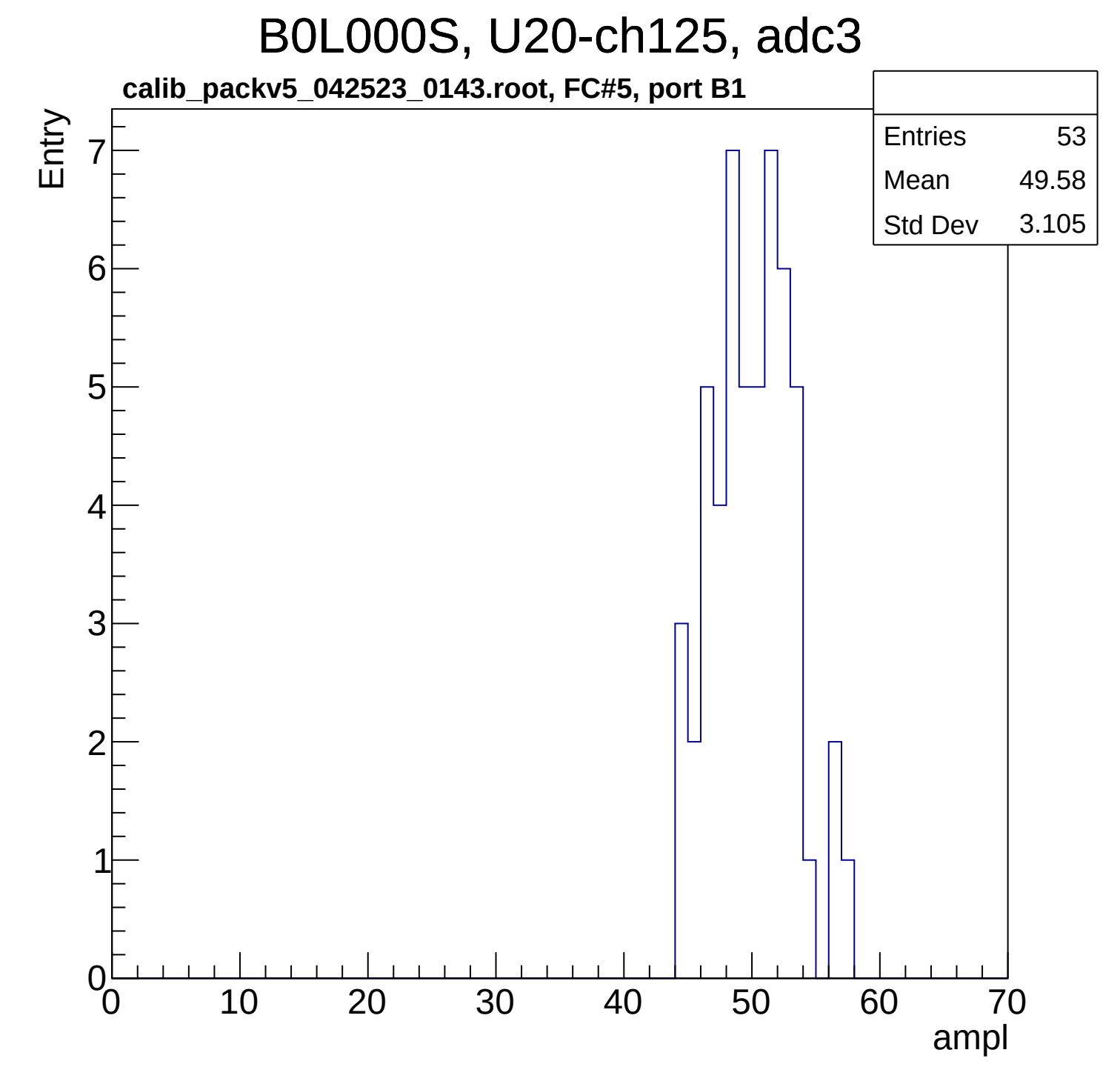
B0L000S, U20-ch125, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 53
Mean 49.58
Std Dev 3.105
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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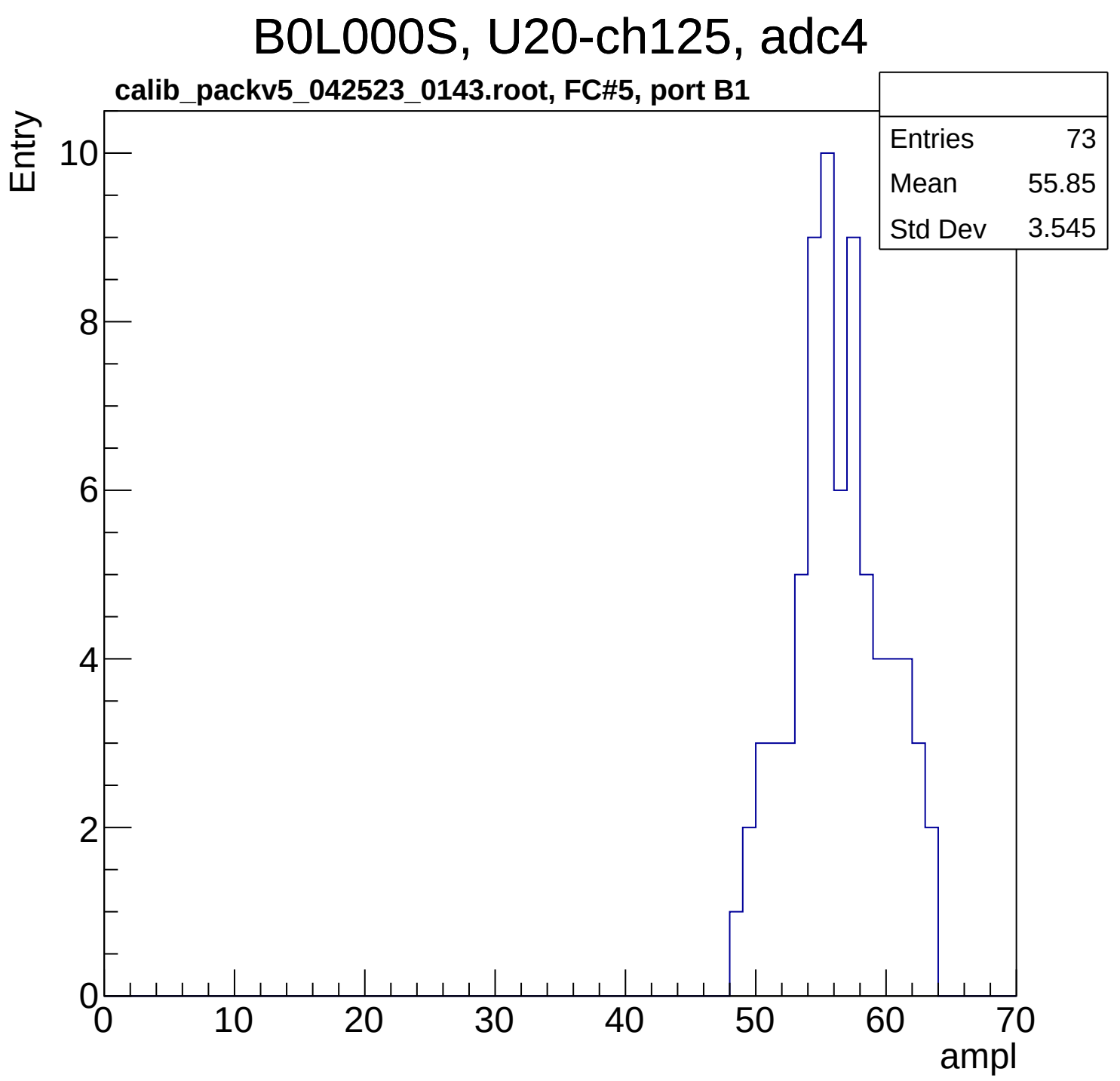
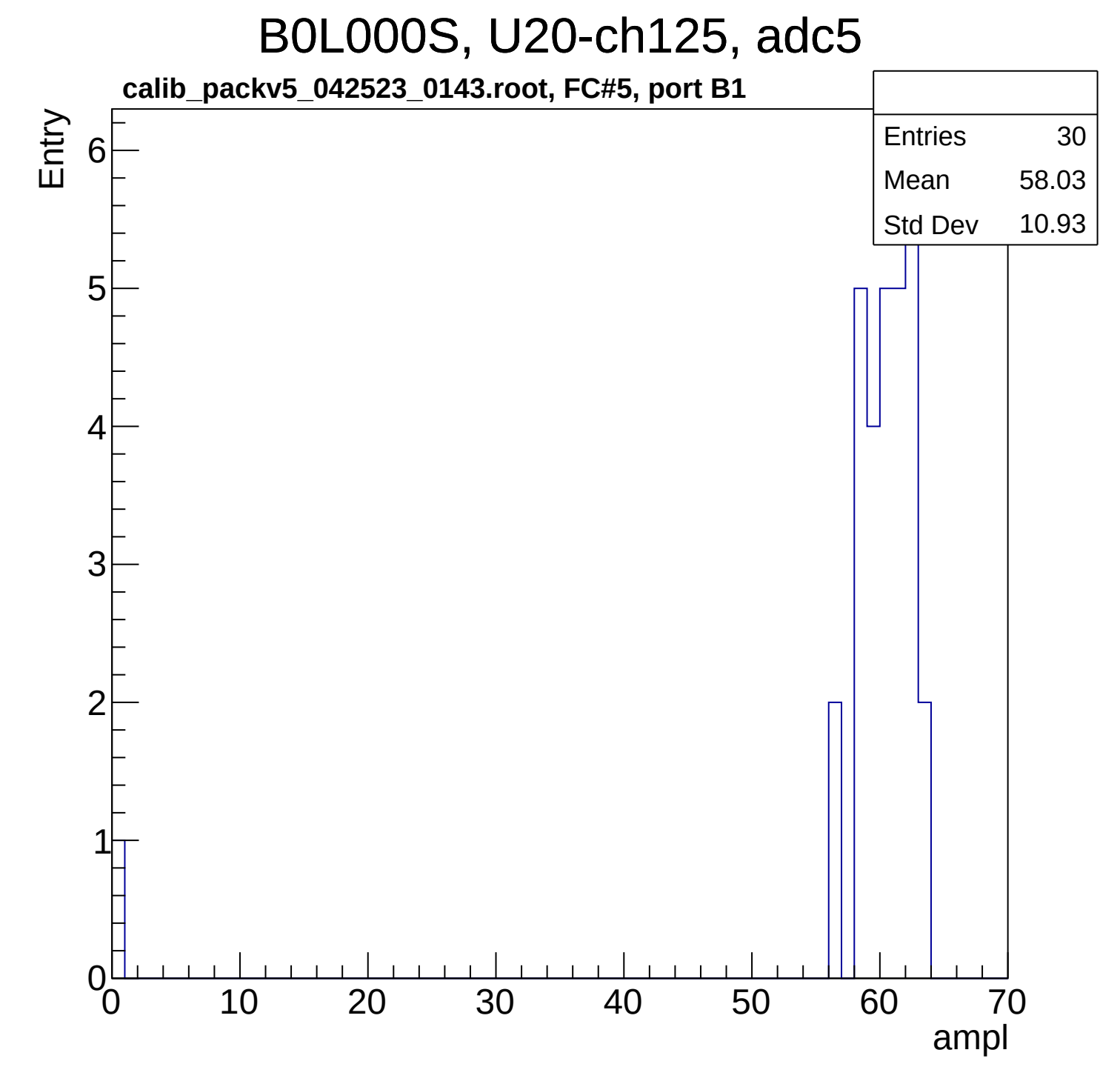

B0L000S, U20-ch125, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 73
Mean 55.85
Std Dev 3.545
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch125, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 30
Mean 58.03
Std Dev 10.93
Entry
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2
3
4
5
6
0
10
20
30
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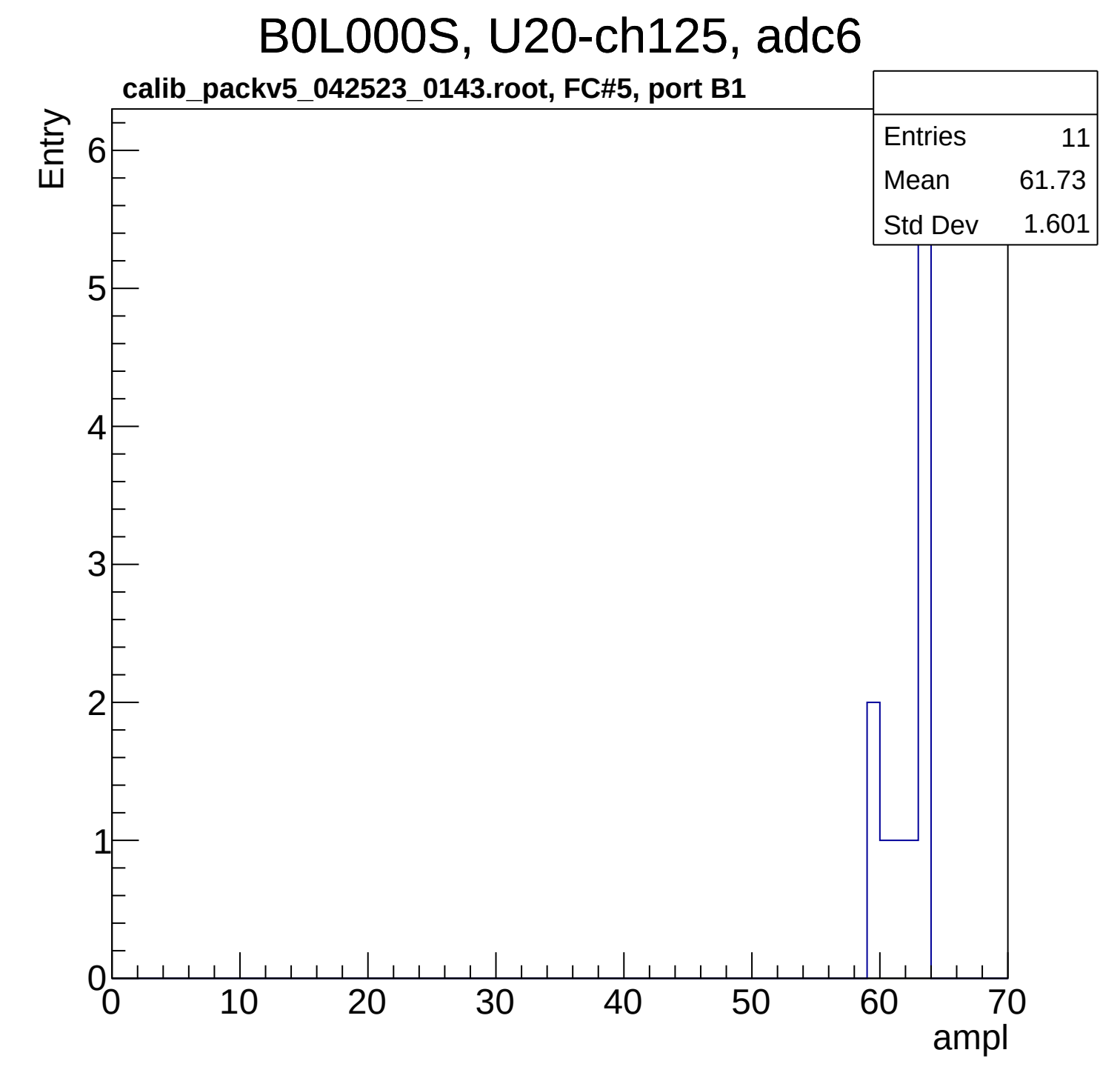
50
60
70
ampl


B0L000S, U20-ch125, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 61.73
Std Dev 1.601
Entry
0
1
2
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4
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6
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30
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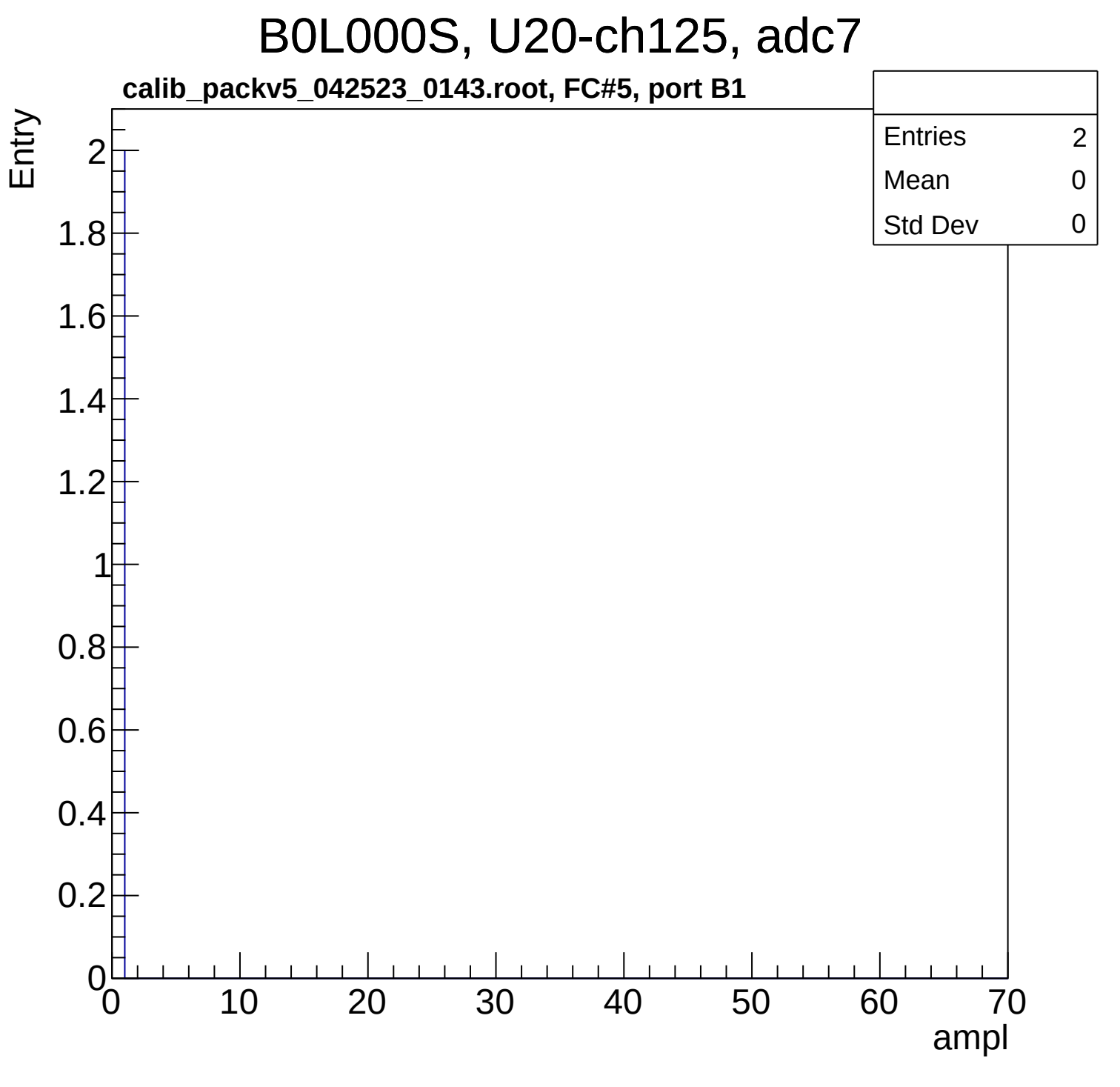
50
60
70
ampl


B0L000S, U20-ch125, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
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1
1.2
1.4
1.6
1.8
2
0
10
20
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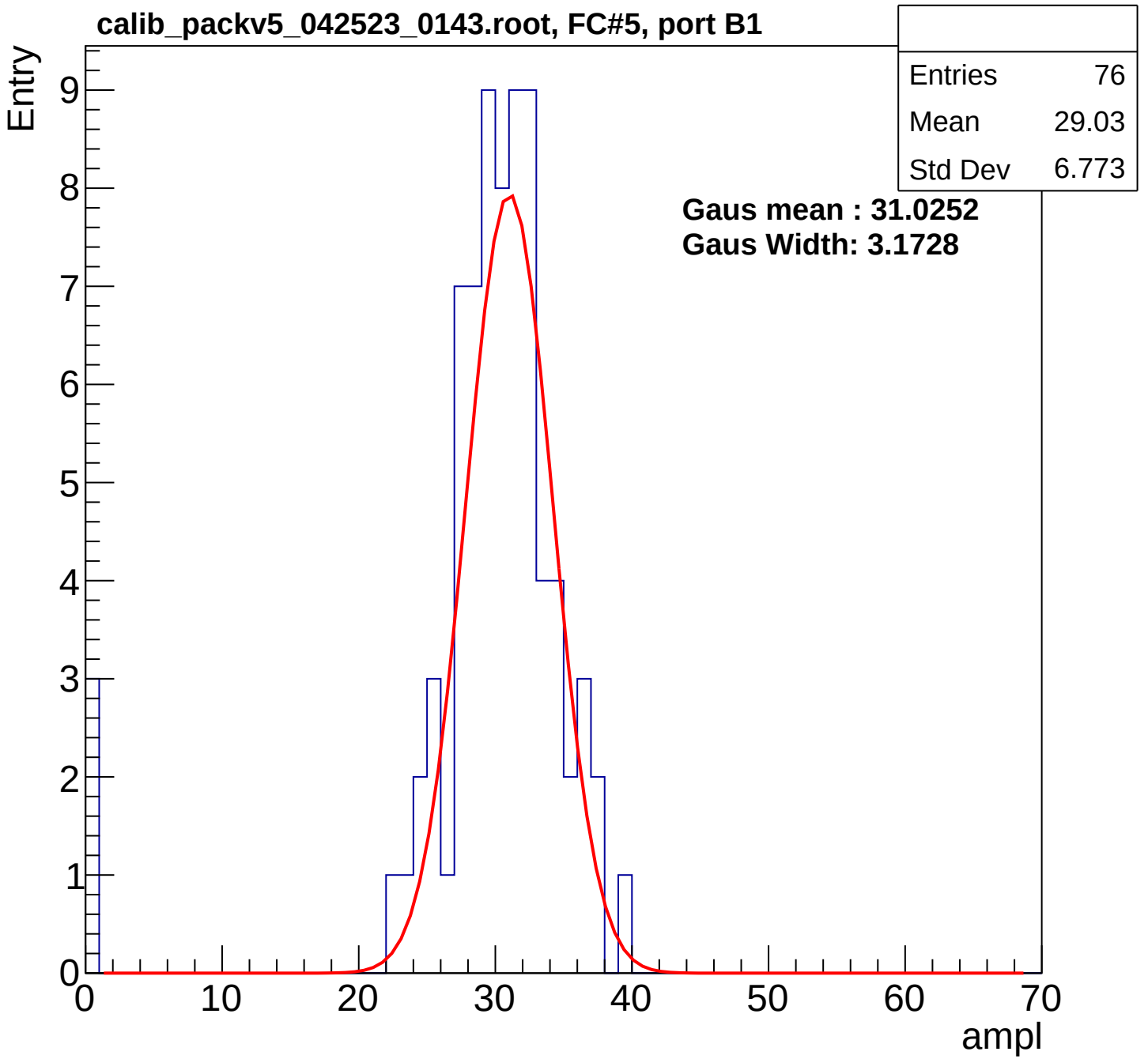
40
50
60
70


B0L000S, U20-ch126, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 29.03
Std Dev 6.773
Gaus mean : 31.0252
Gaus Width: 3.1728
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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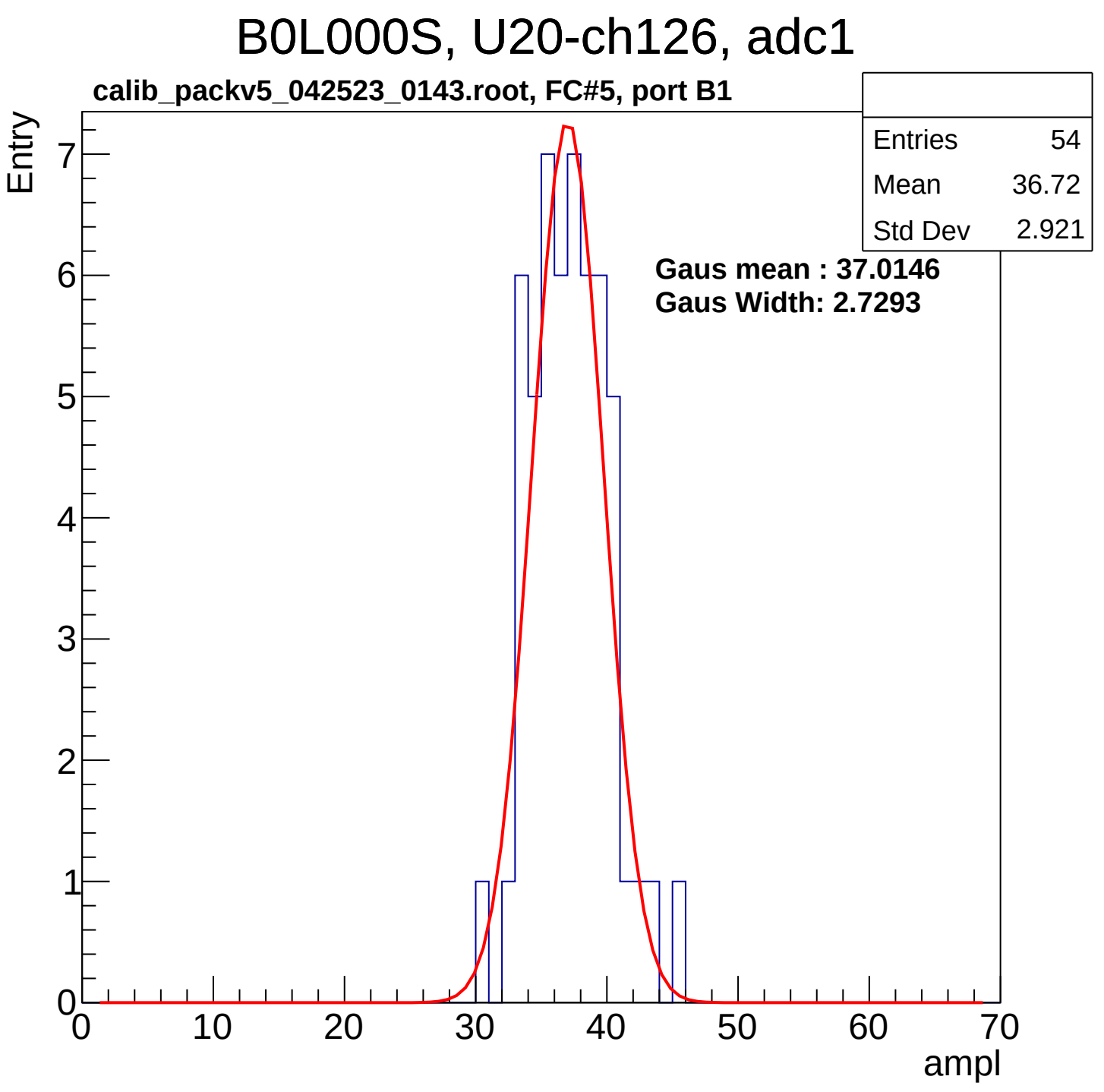
40
50
60
70


B0L000S, U20-ch126, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 36.72
Std Dev 2.921
Gaus mean : 37.0146
Gaus Width: 2.7293
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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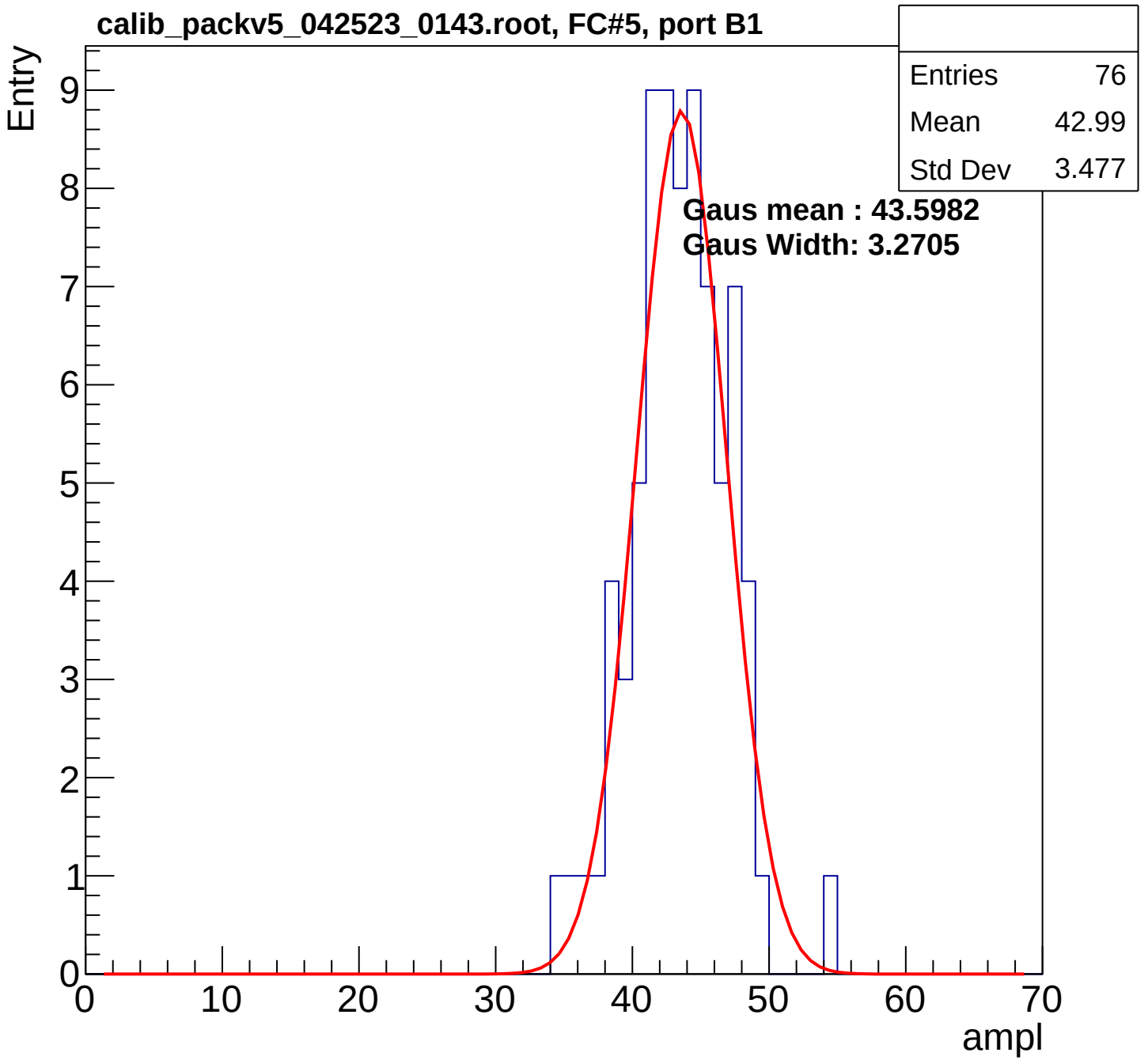
40
50
60
70


B0L000S, U20-ch126, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 76
Mean 42.99
Std Dev 3.477
Gaus mean : 43.5982
Gaus Width: 3.2705
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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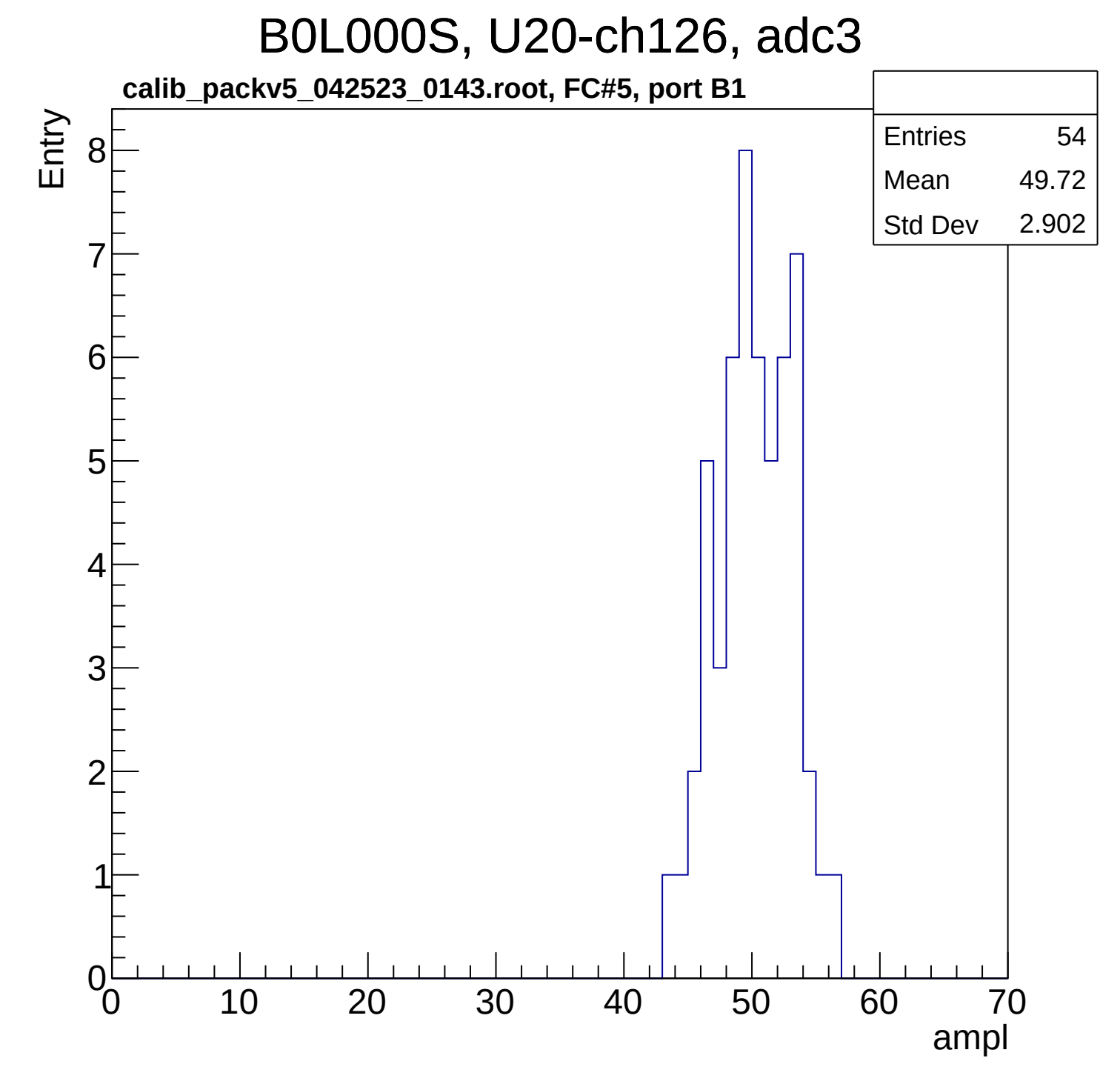
B0L000S, U20-ch126, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 54
Mean 49.72
Std Dev 2.902
Entry
ampl
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4
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6
7
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40
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60
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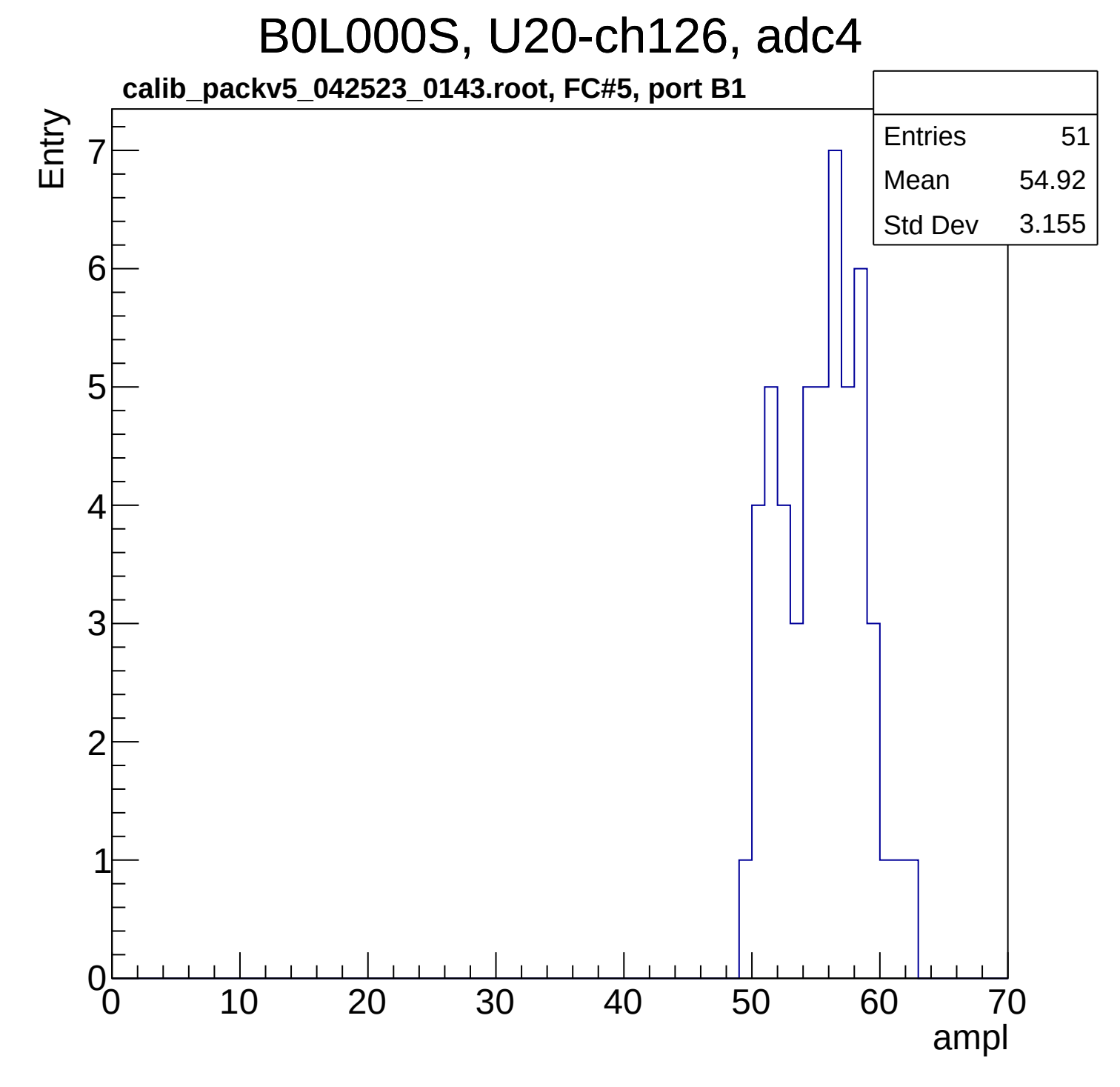
B0L000S, U20-ch126, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 54.92
Std Dev 3.155
Entry
ampl
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0
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60
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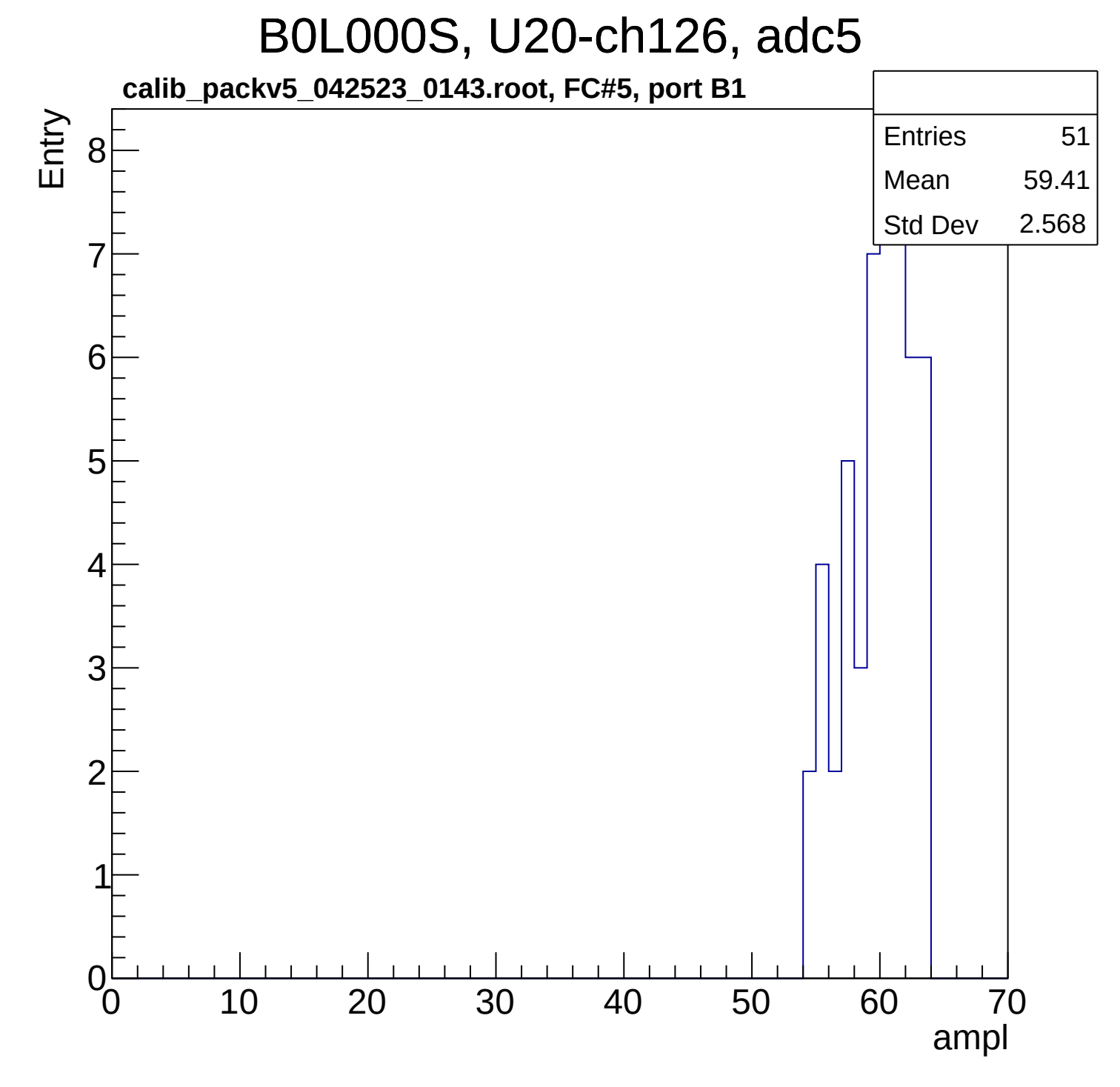
B0L000S, U20-ch126, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 59.41
Std Dev 2.568
Entry
ampl
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3
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5
6
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0
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60
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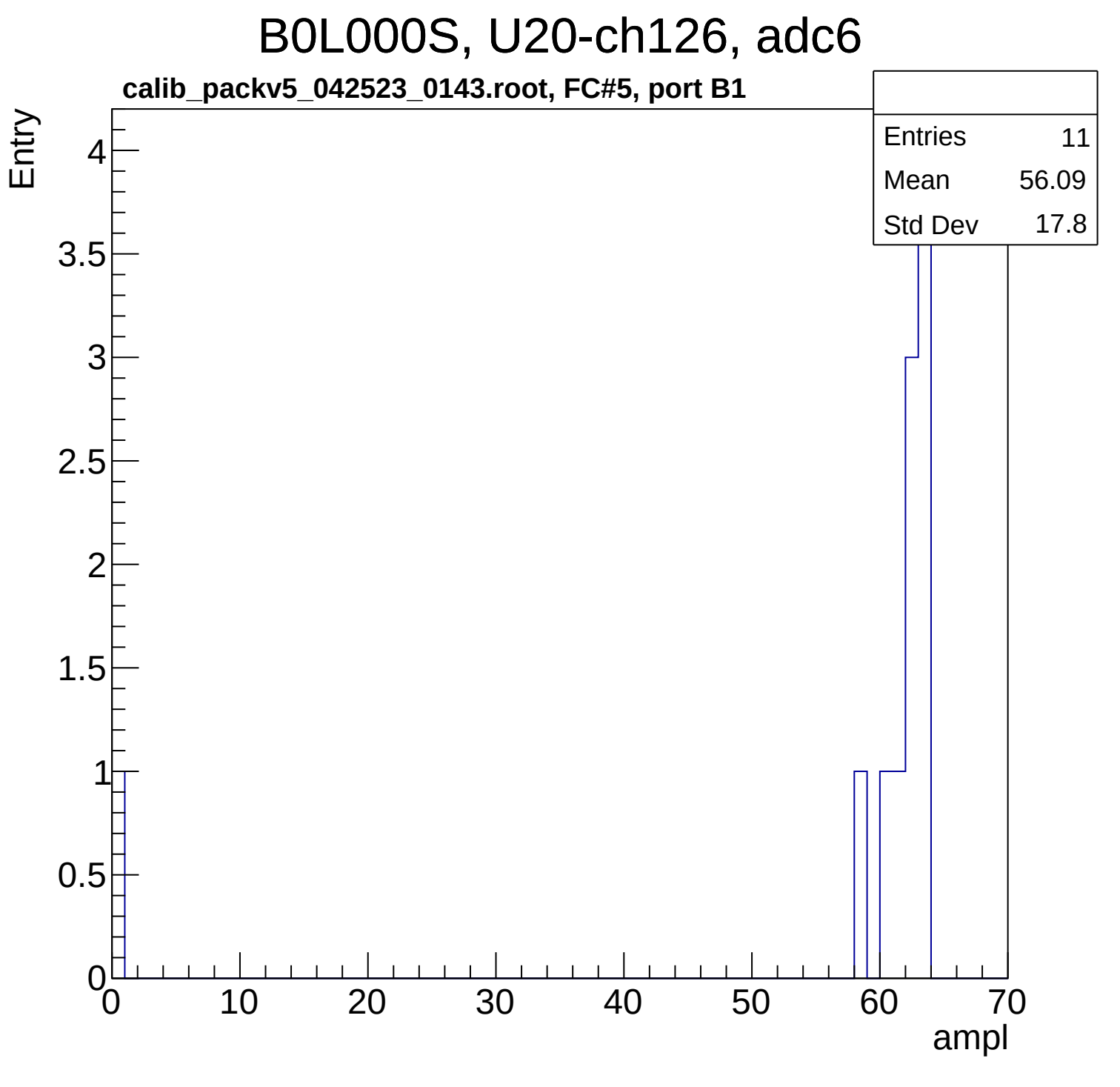
B0L000S, U20-ch126, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 11
Mean 56.09
Std Dev 17.8
Entry
ampl
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1.5
2
2.5
3
3.5
4
0
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40
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60
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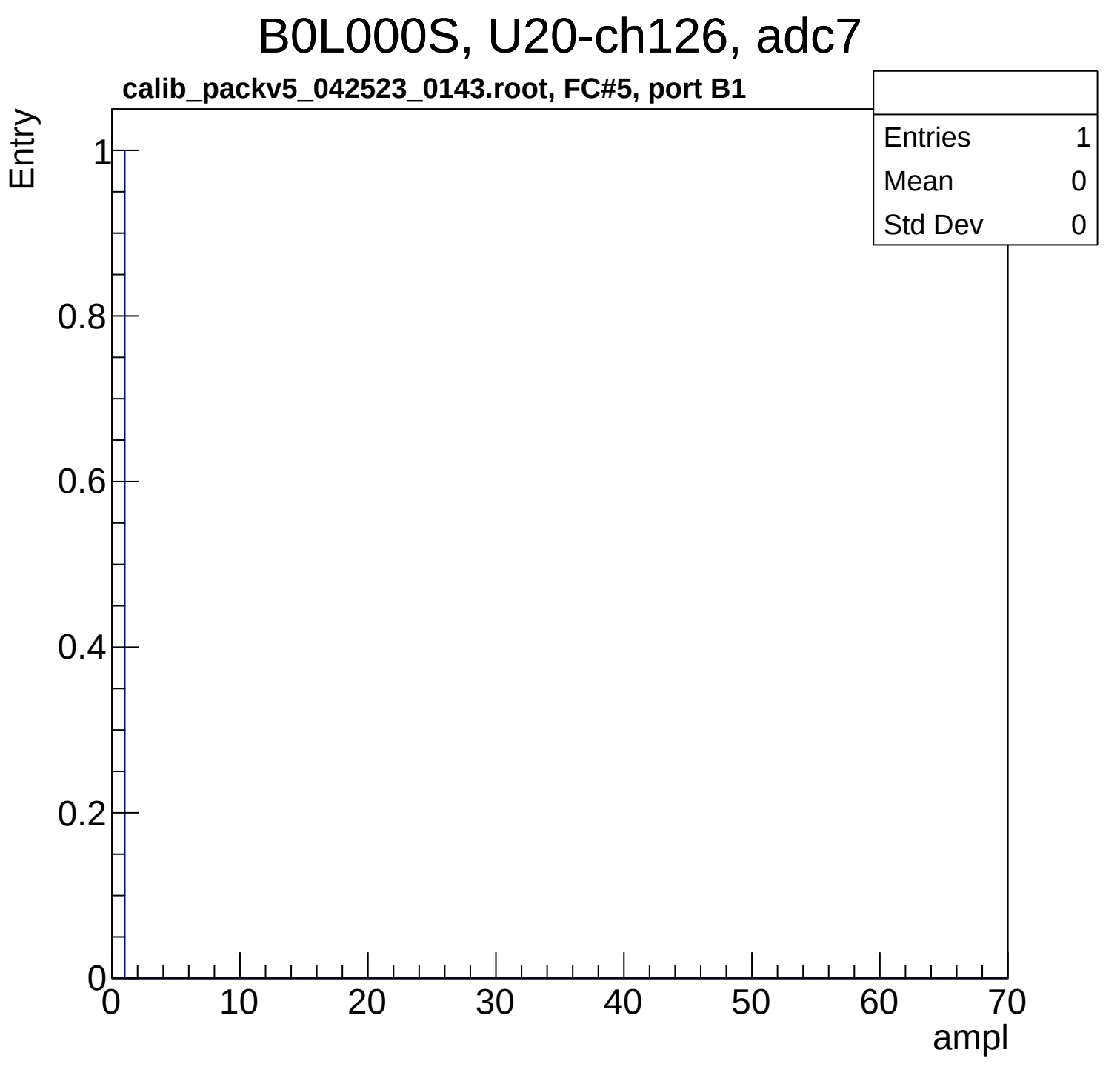
B0L000S, U20-ch126, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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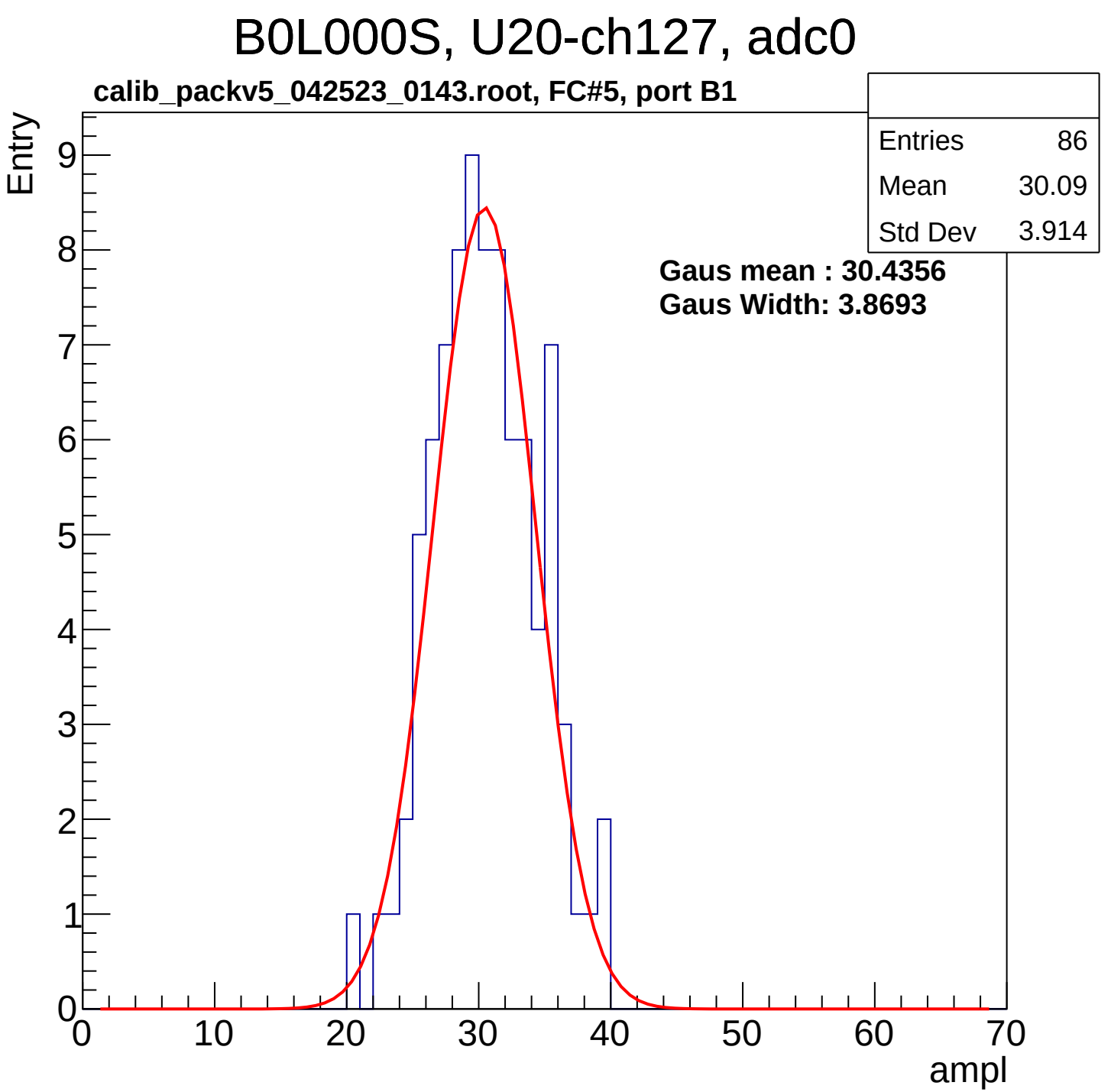
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch127, adc0
calib_packv5_042523_0143.root, FC#5, port B1
Entries 86
Mean 30.09
Std Dev 3.914
Gaus mean : 30.4356
Gaus Width: 3.8693
Entry
ampl
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2
3
4
5
6
7
8
9
0
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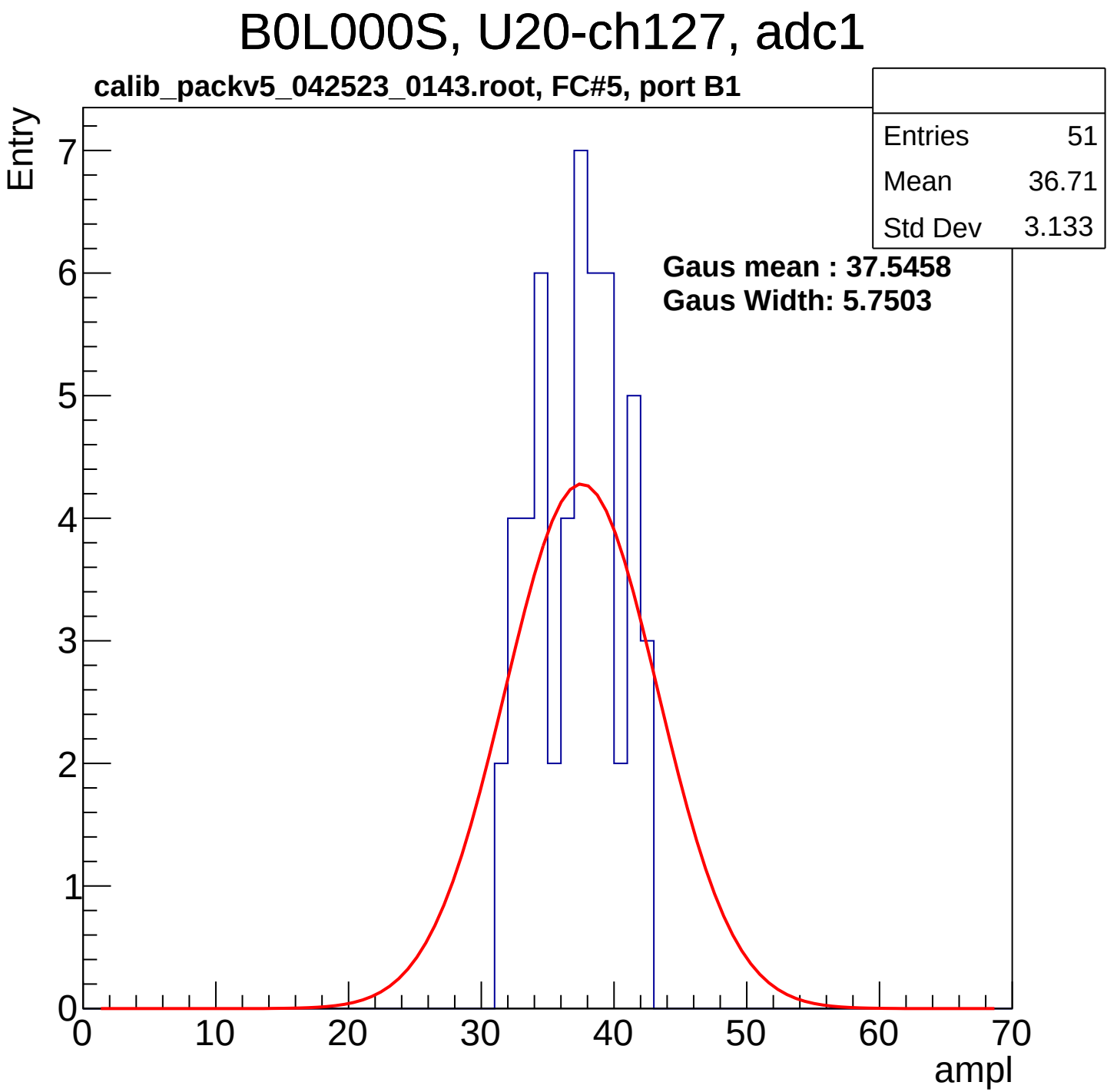
B0L000S, U20-ch127, adc1
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 36.71
Std Dev 3.133
Gaus mean : 37.5458
Gaus Width: 5.7503
Entry
ampl
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3
4
5
6
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0
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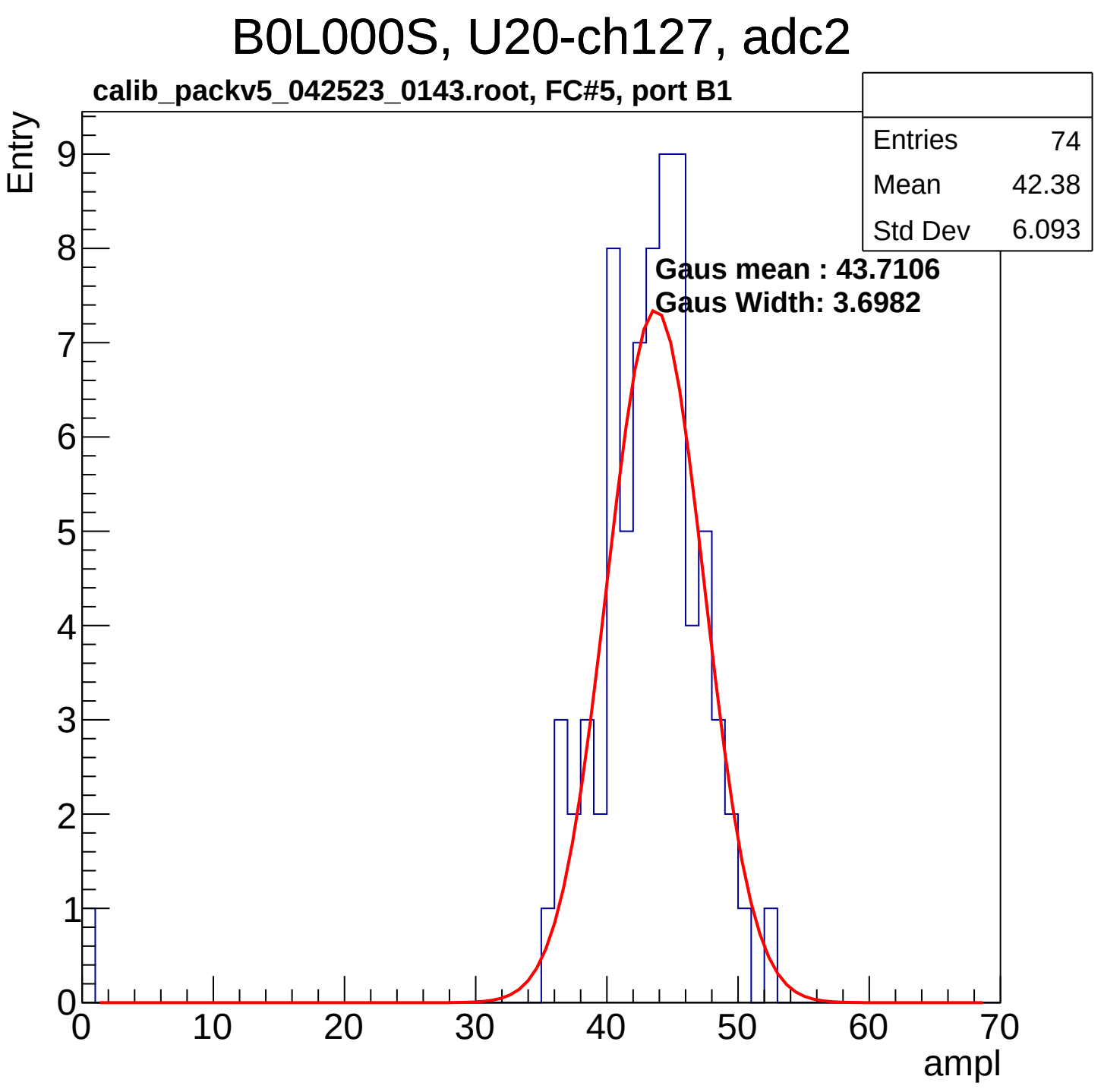
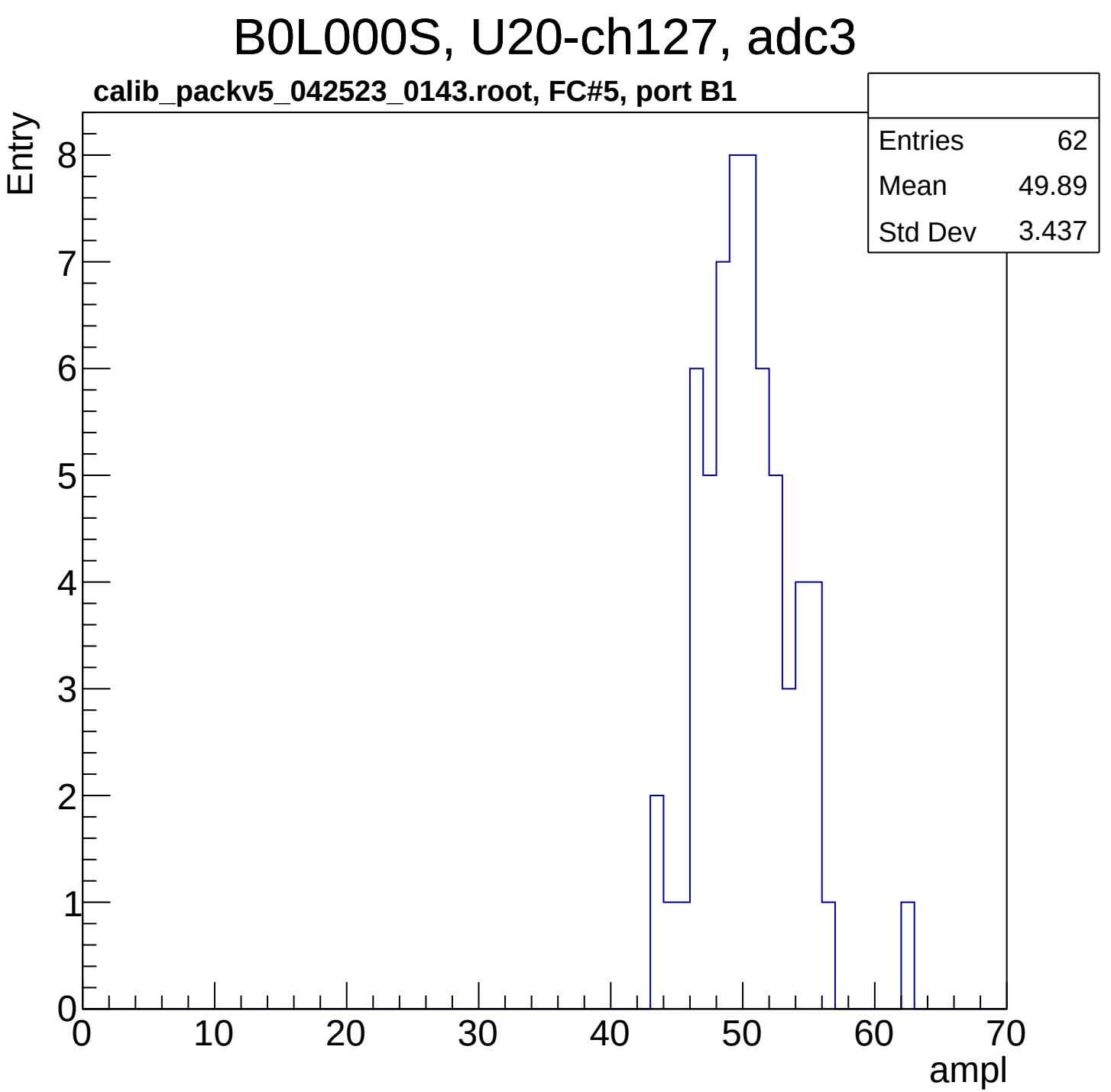
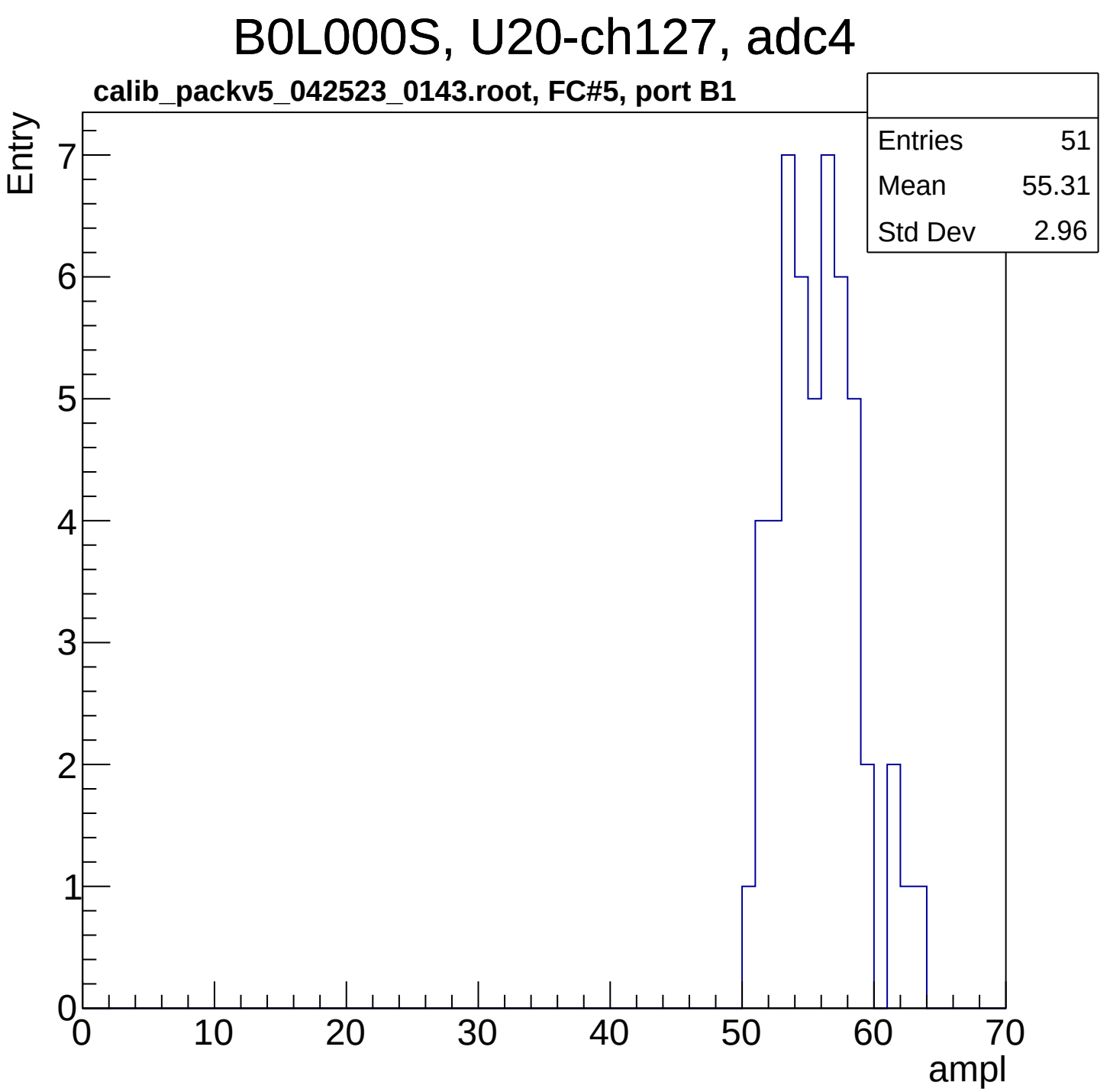
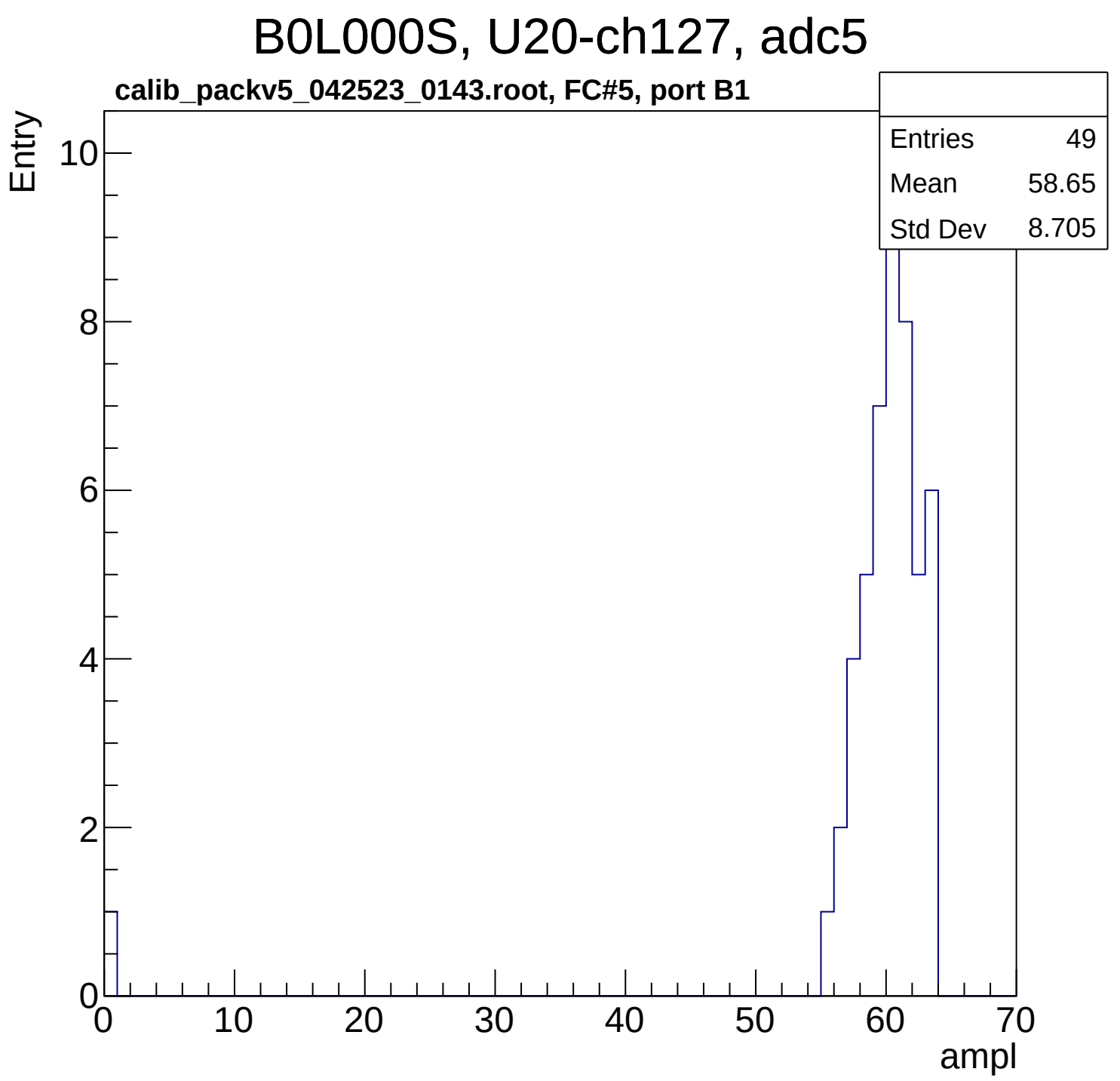
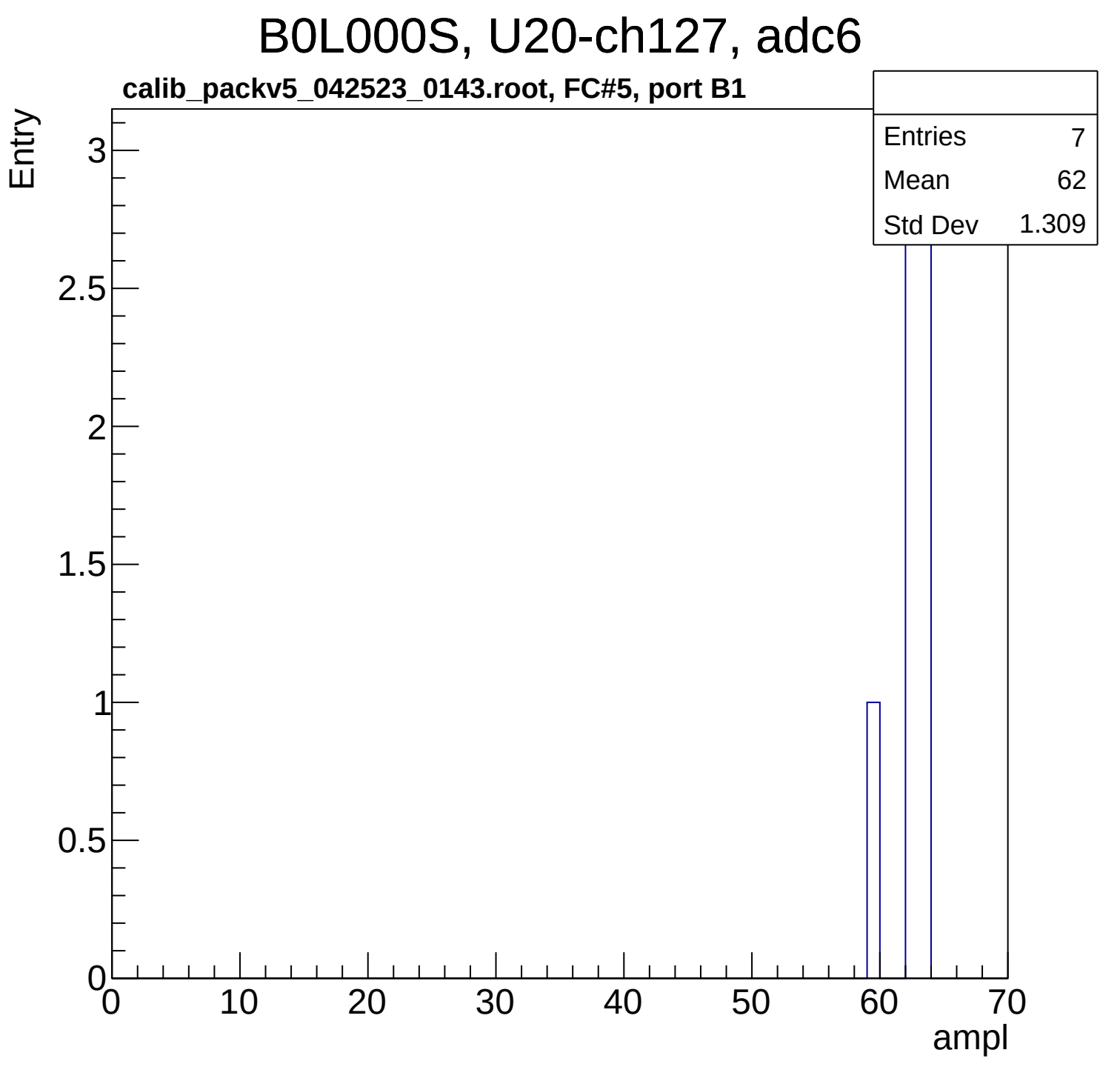
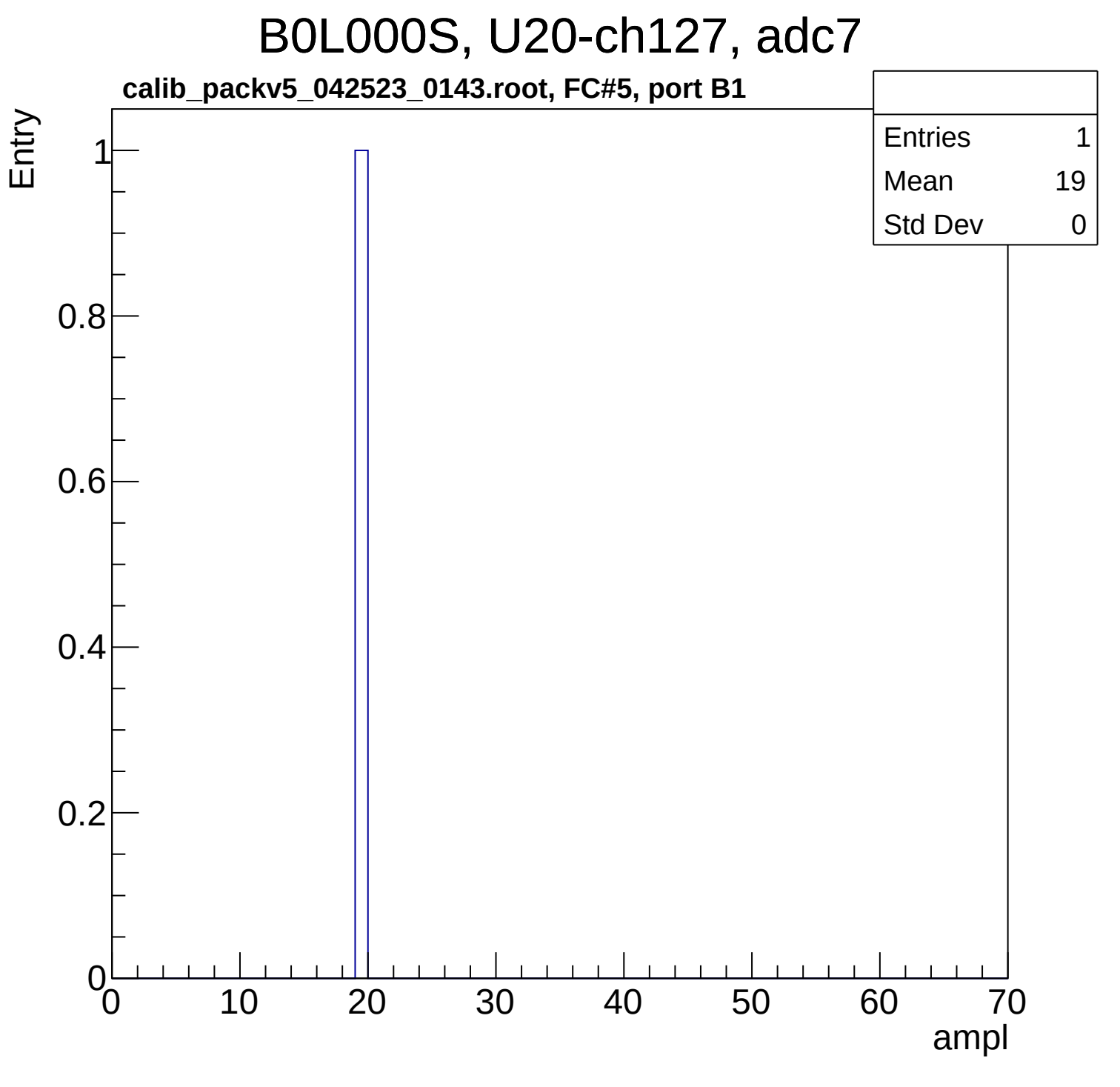

B0L000S, U20-ch127, adc2
calib_packv5_042523_0143.root, FC#5, port B1
Entries 74
Mean 42.38
Std Dev 6.093
Gaus mean : 43.7106
Gaus Width: 3.6982
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

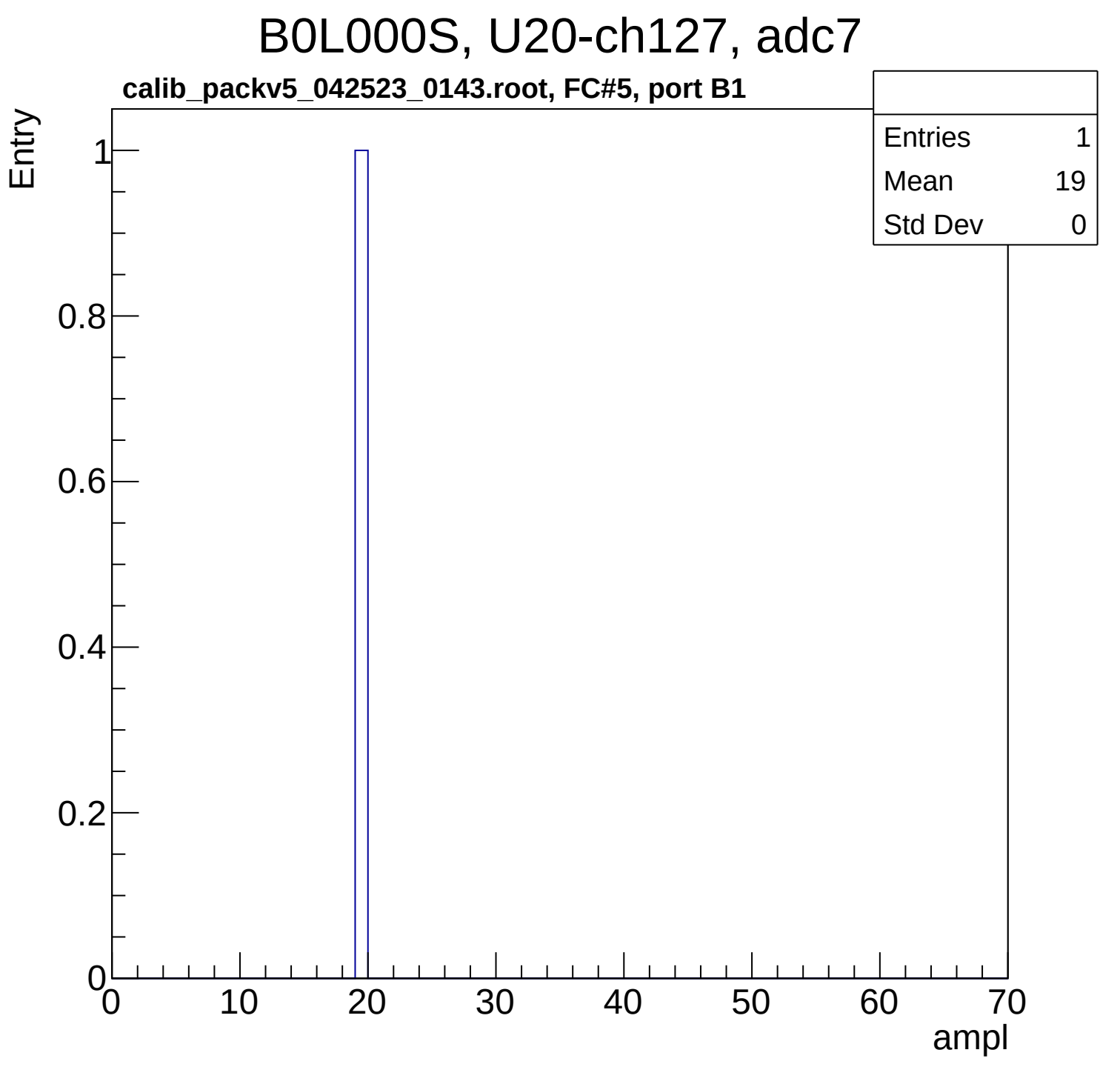

B0L000S, U20-ch127, adc3
calib_packv5_042523_0143.root, FC#5, port B1
Entries 62
Mean 49.89
Std Dev 3.437
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L000S, U20-ch127, adc4
calib_packv5_042523_0143.root, FC#5, port B1
Entries 51
Mean 55.31
Std Dev 2.96
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L000S, U20-ch127, adc5
calib_packv5_042523_0143.root, FC#5, port B1
Entries 49
Mean 58.65
Std Dev 8.705
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch127, adc6
calib_packv5_042523_0143.root, FC#5, port B1
Entries 7
Mean 62
Std Dev 1.309
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L000S, U20-ch127, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 19
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L000S, U20-ch127, adc7
calib_packv5_042523_0143.root, FC#5, port B1
Entries 1
Mean 19
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl