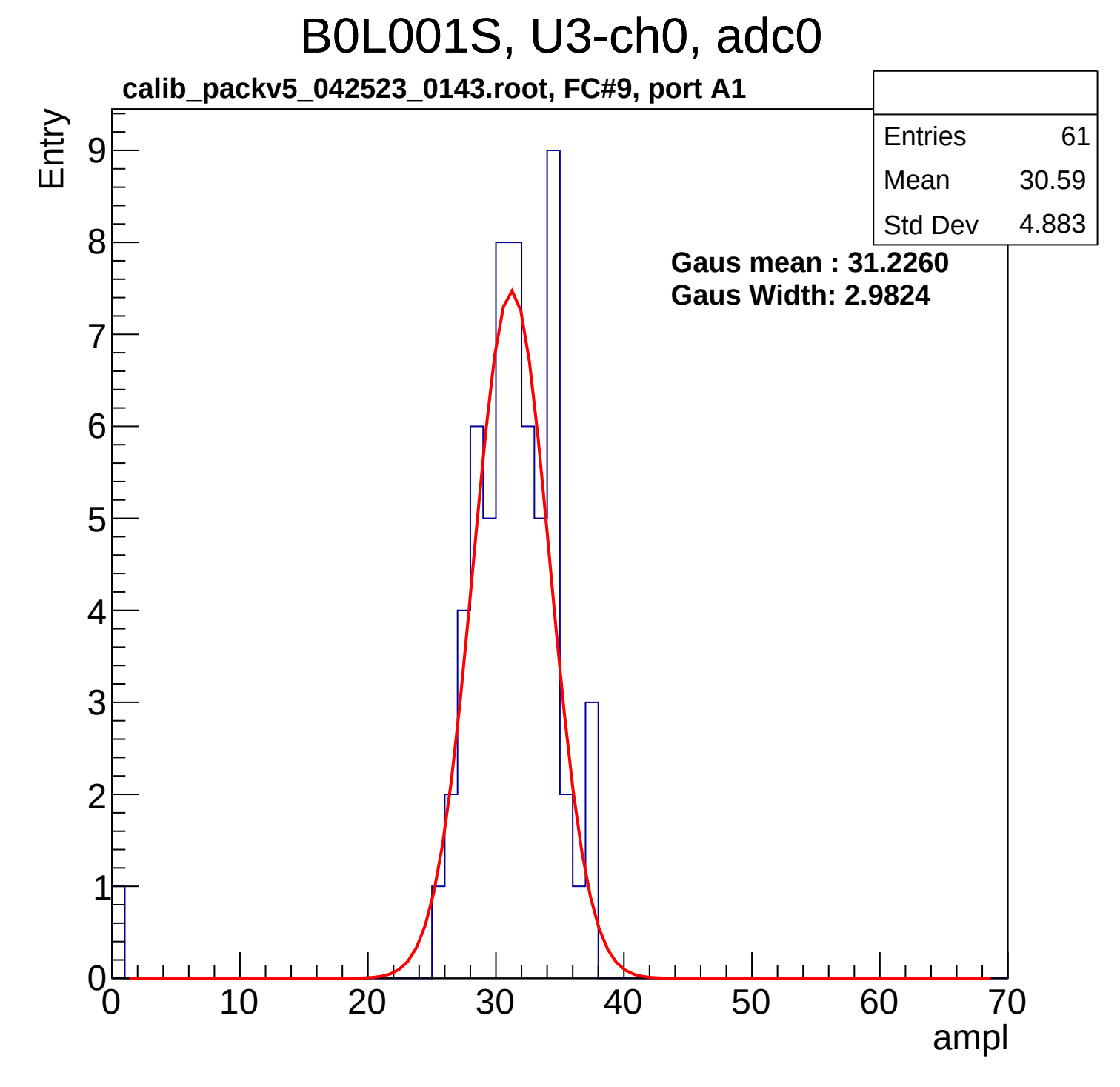
B0L001S, U3-ch0, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 30.59
Std Dev 4.883
Gaus mean : 31.2260
Gaus Width: 2.9824
Entry
ampl
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1
2
3
4
5
6
7
8
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0
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20
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60
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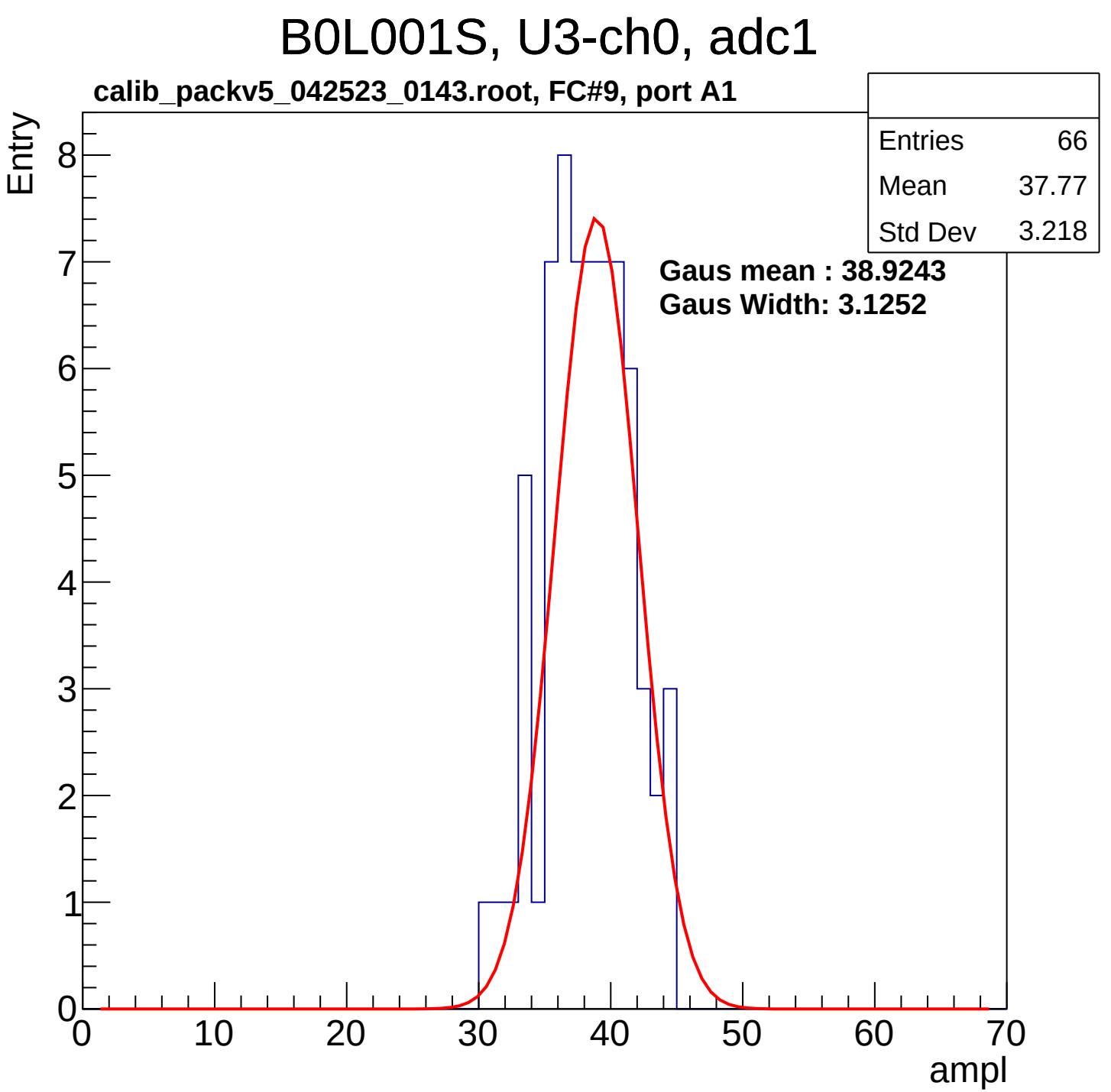
B0L001S, U3-ch0, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.77
Std Dev 3.218
Gaus mean : 38.9243
Gaus Width: 3.1252
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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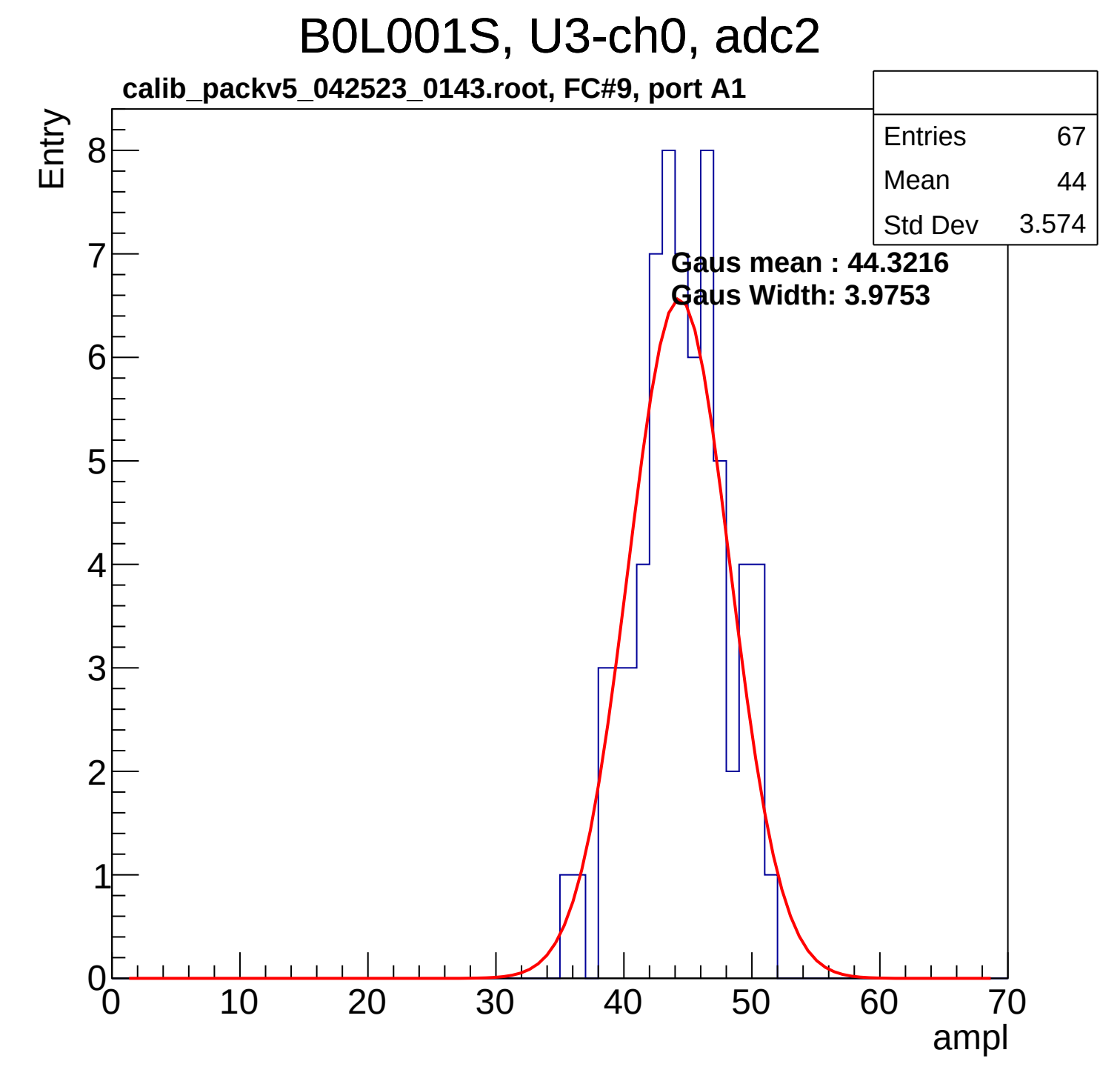
B0L001S, U3-ch0, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 44
Std Dev 3.574
Gaus mean : 44.3216
Gaus Width: 3.9753
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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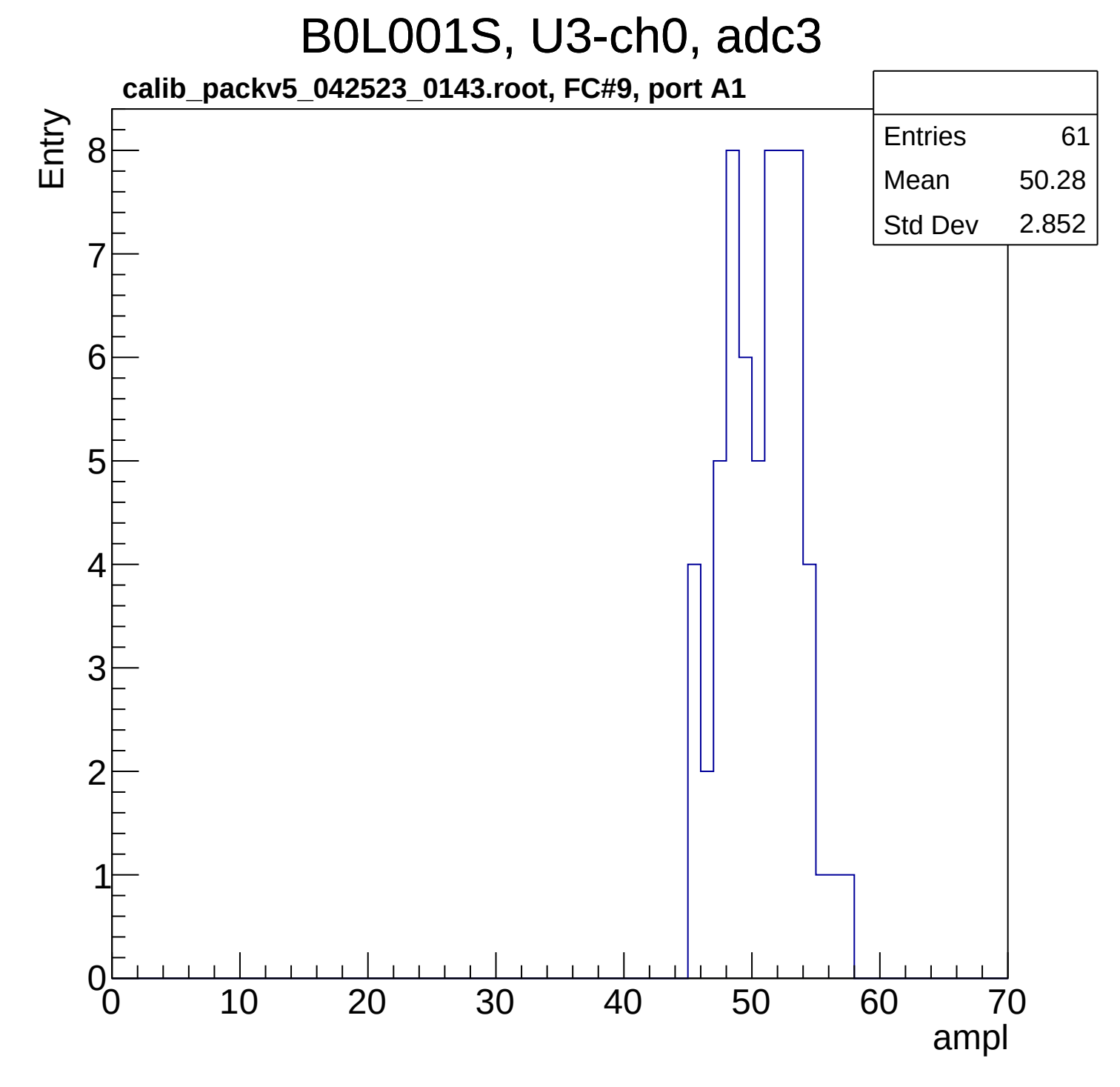
B0L001S, U3-ch0, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 50.28
Std Dev 2.852
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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60
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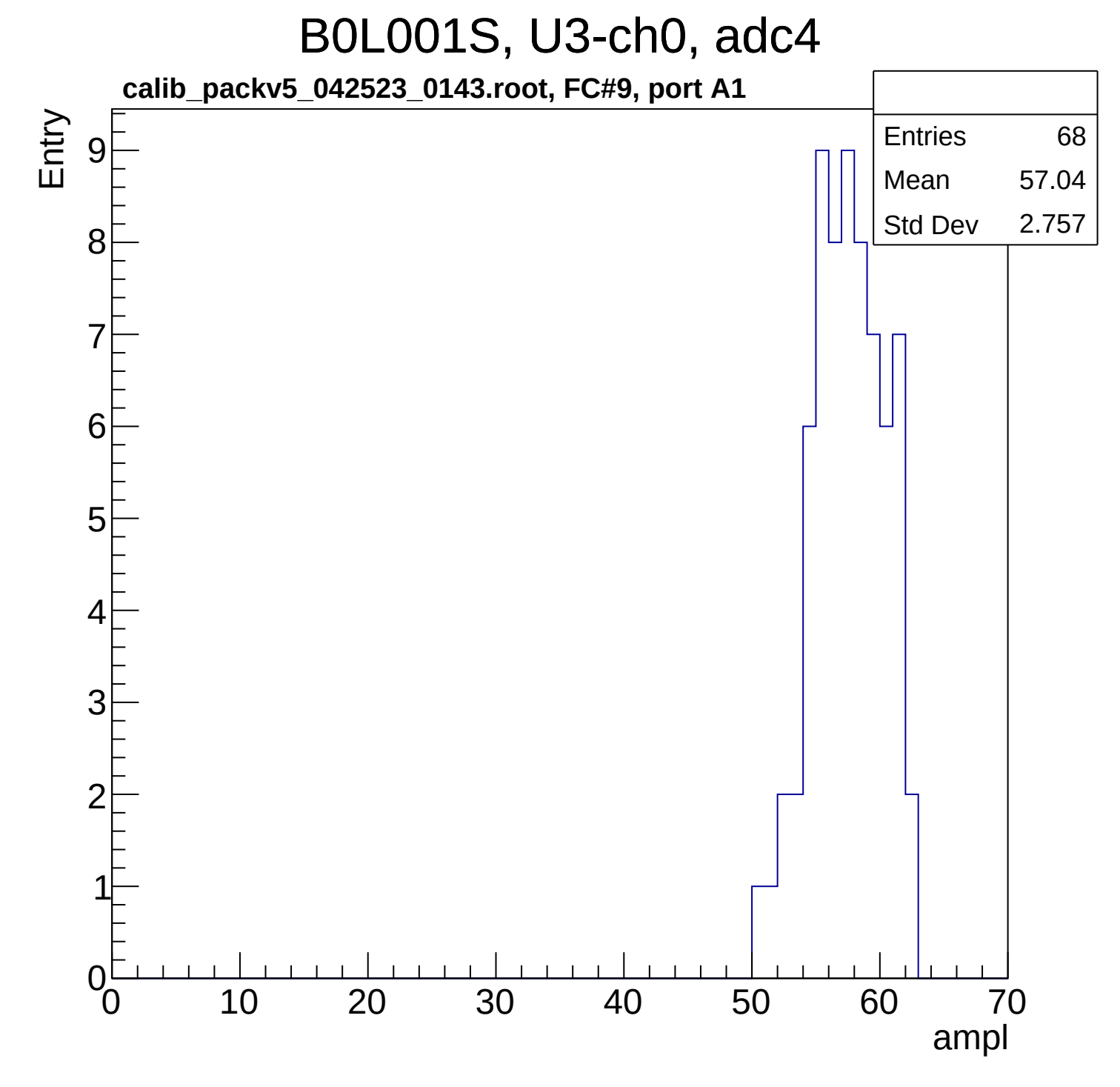
B0L001S, U3-ch0, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 57.04
Std Dev 2.757
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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60
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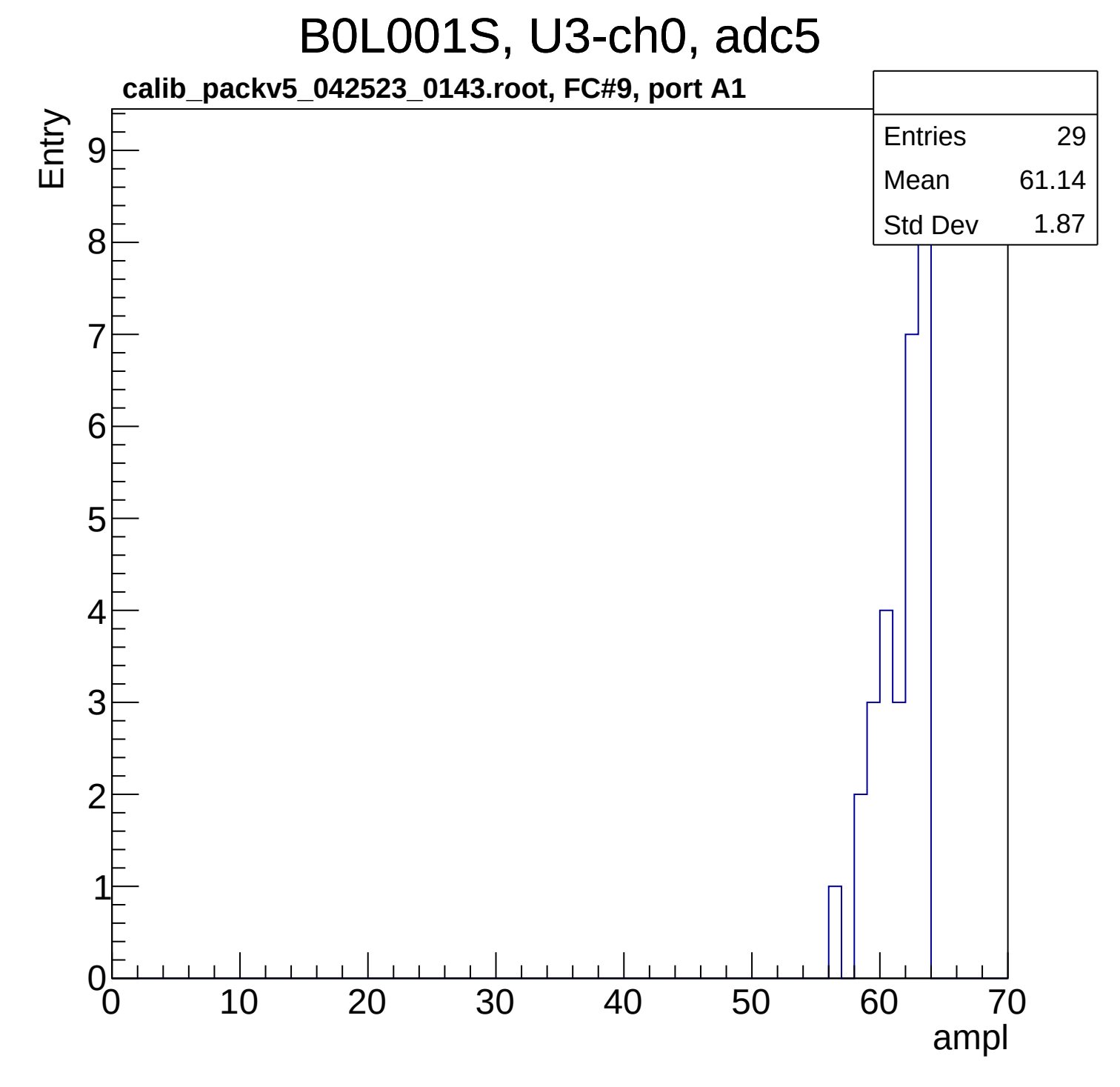
B0L001S, U3-ch0, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 29
Mean 61.14
Std Dev 1.87
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
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40
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60
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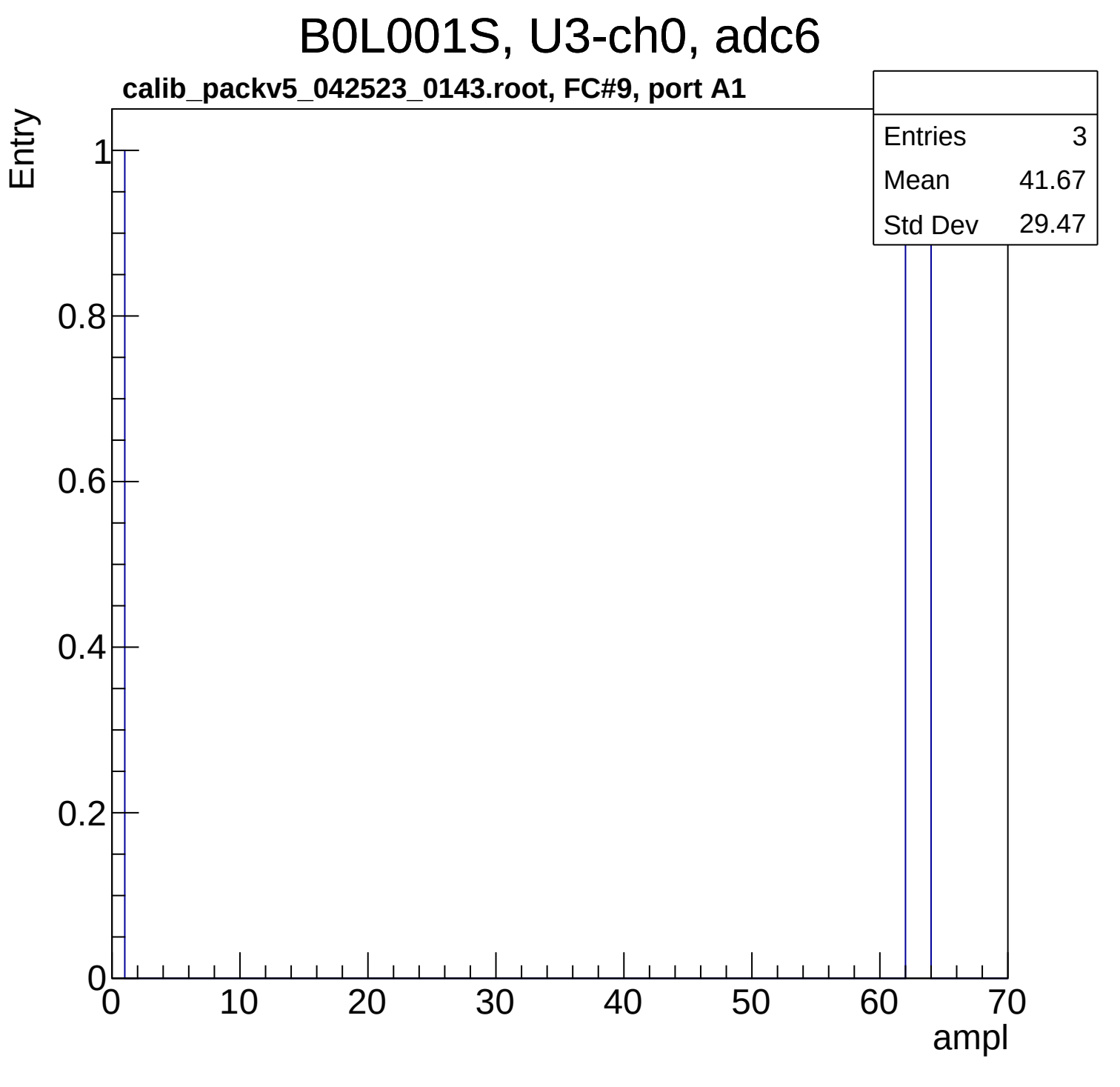
B0L001S, U3-ch0, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 41.67
Std Dev 29.47
Entry
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0.8
0.6
0.4
0.2
0
0
10
20
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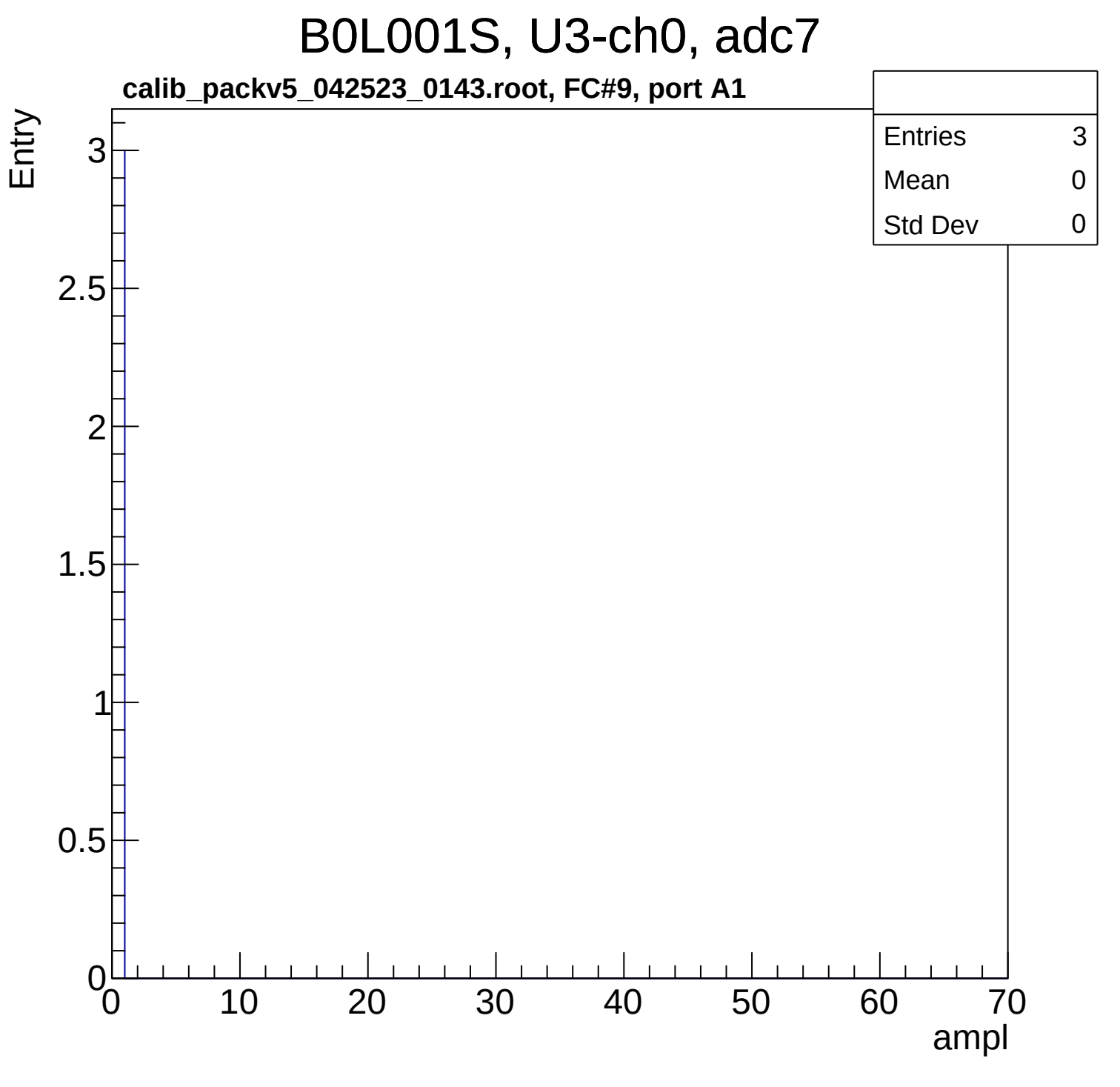
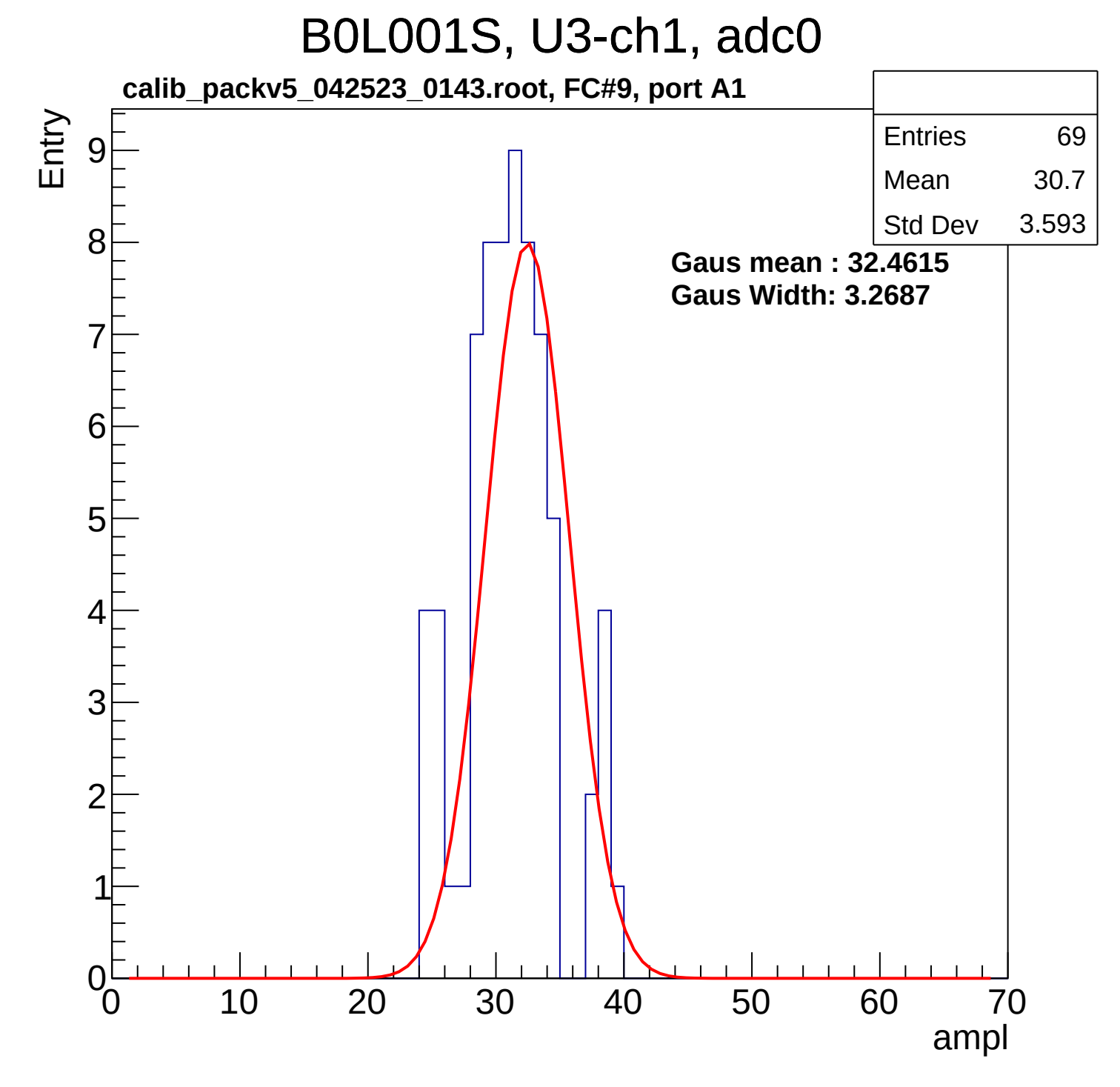
40
50
60
70
ampl


B0L001S, U3-ch0, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch1, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 30.7
Std Dev 3.593
Gaus mean : 32.4615
Gaus Width: 3.2687
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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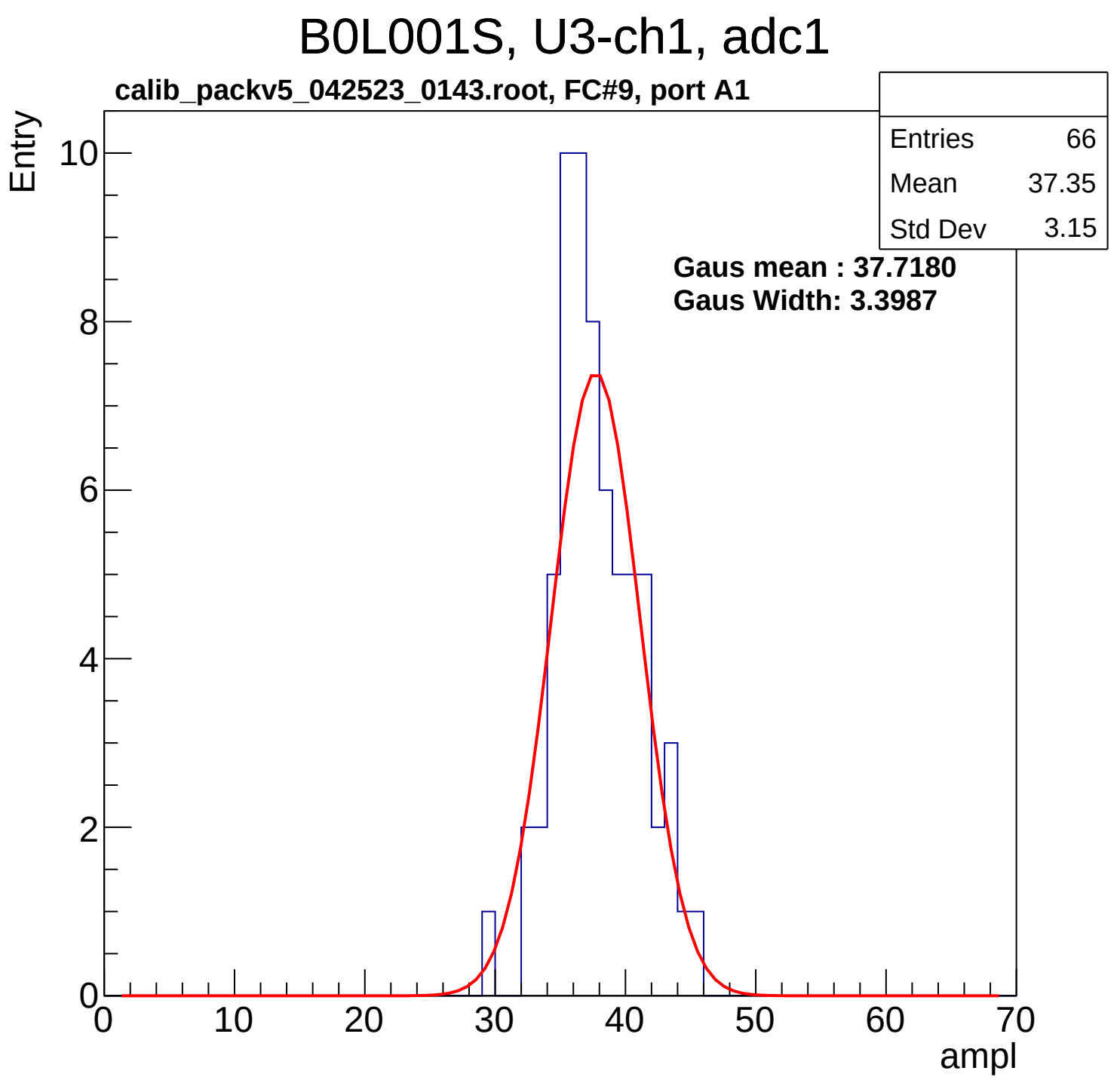
B0L001S, U3-ch1, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.35
Std Dev 3.15
Gaus mean : 37.7180
Gaus Width: 3.3987
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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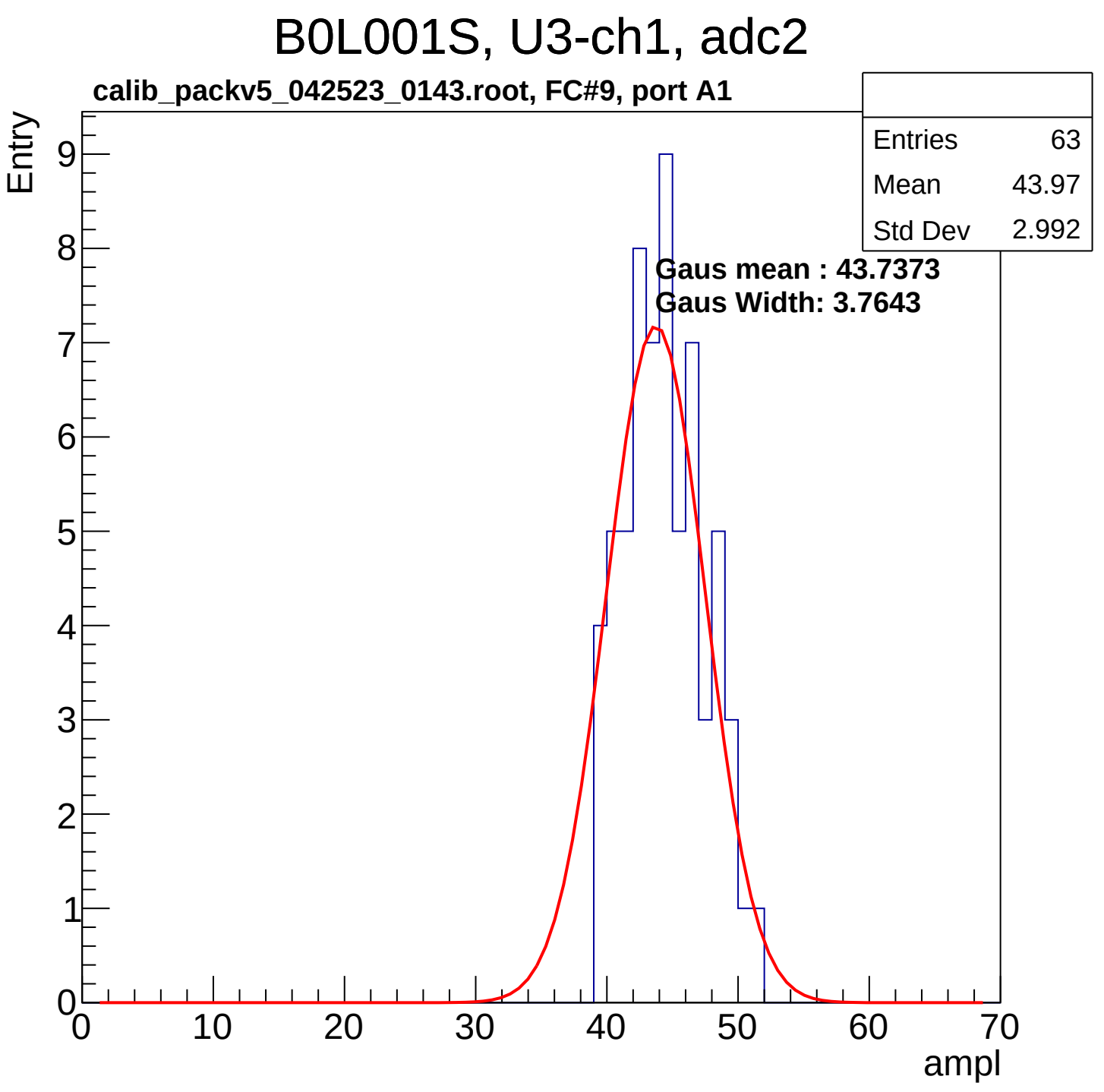
B0L001S, U3-ch1, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 43.97
Std Dev 2.992
Gaus mean : 43.7373
Gaus Width: 3.7643
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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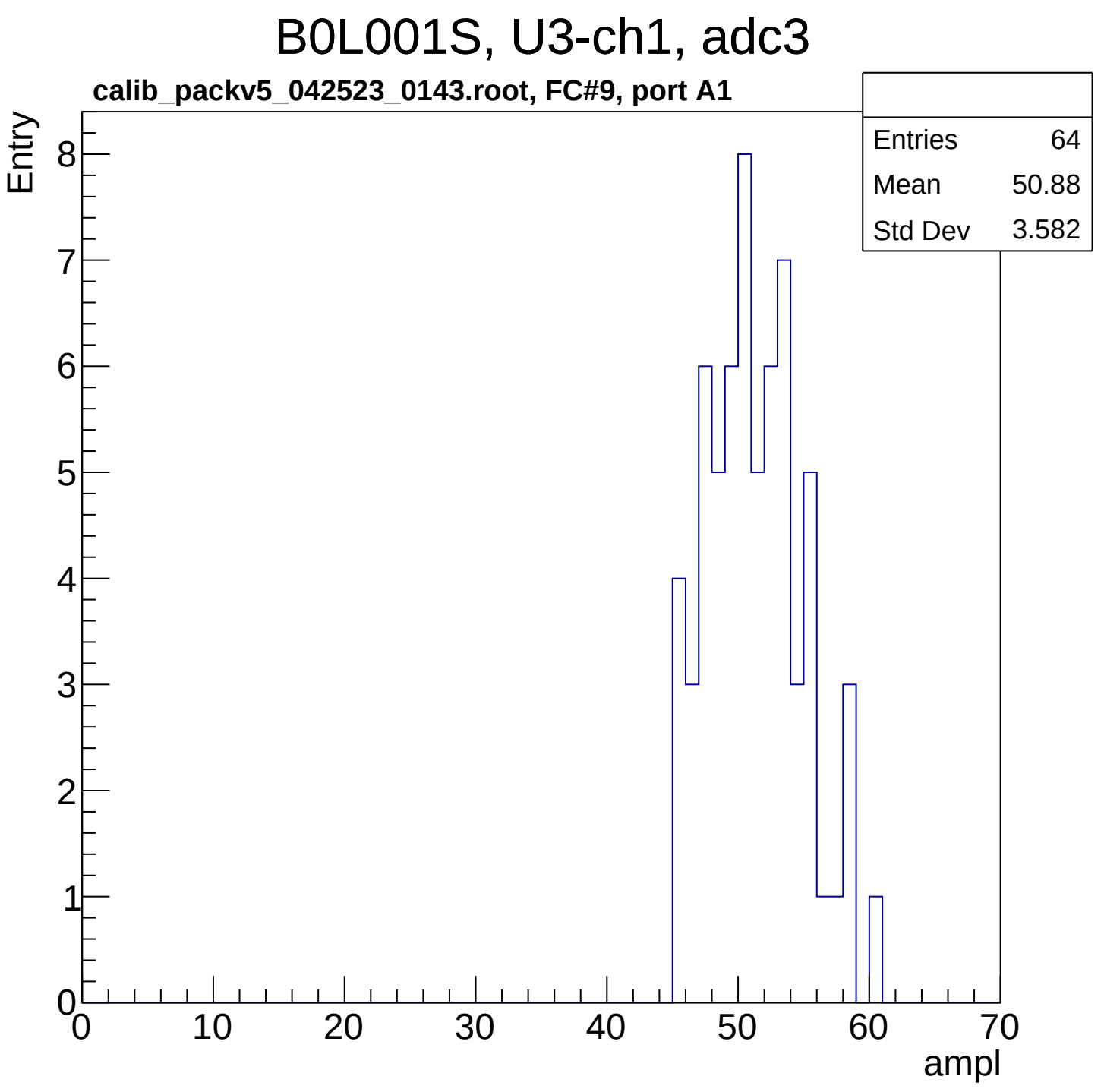
B0L001S, U3-ch1, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 50.88
Std Dev 3.582
Entry
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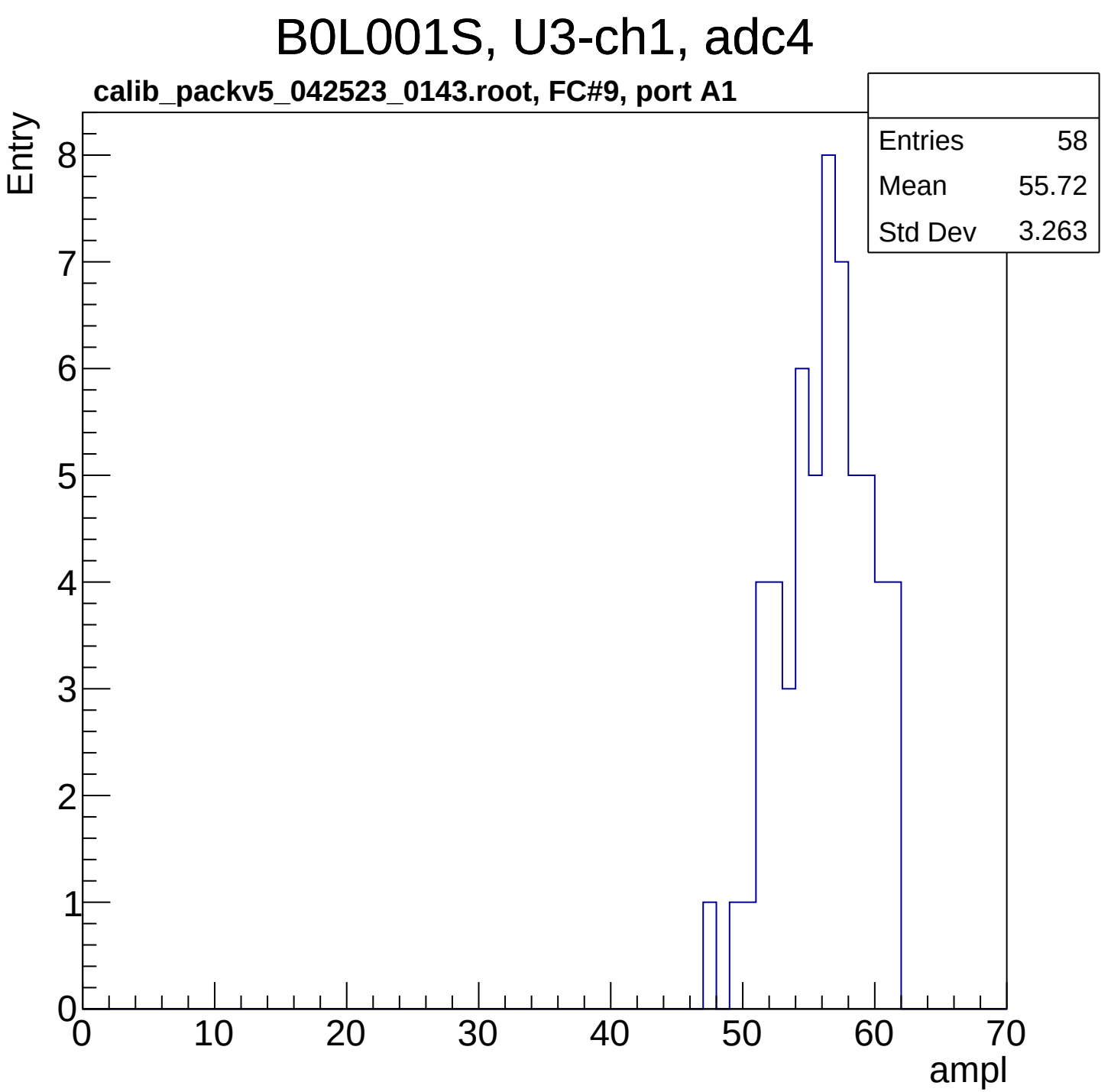
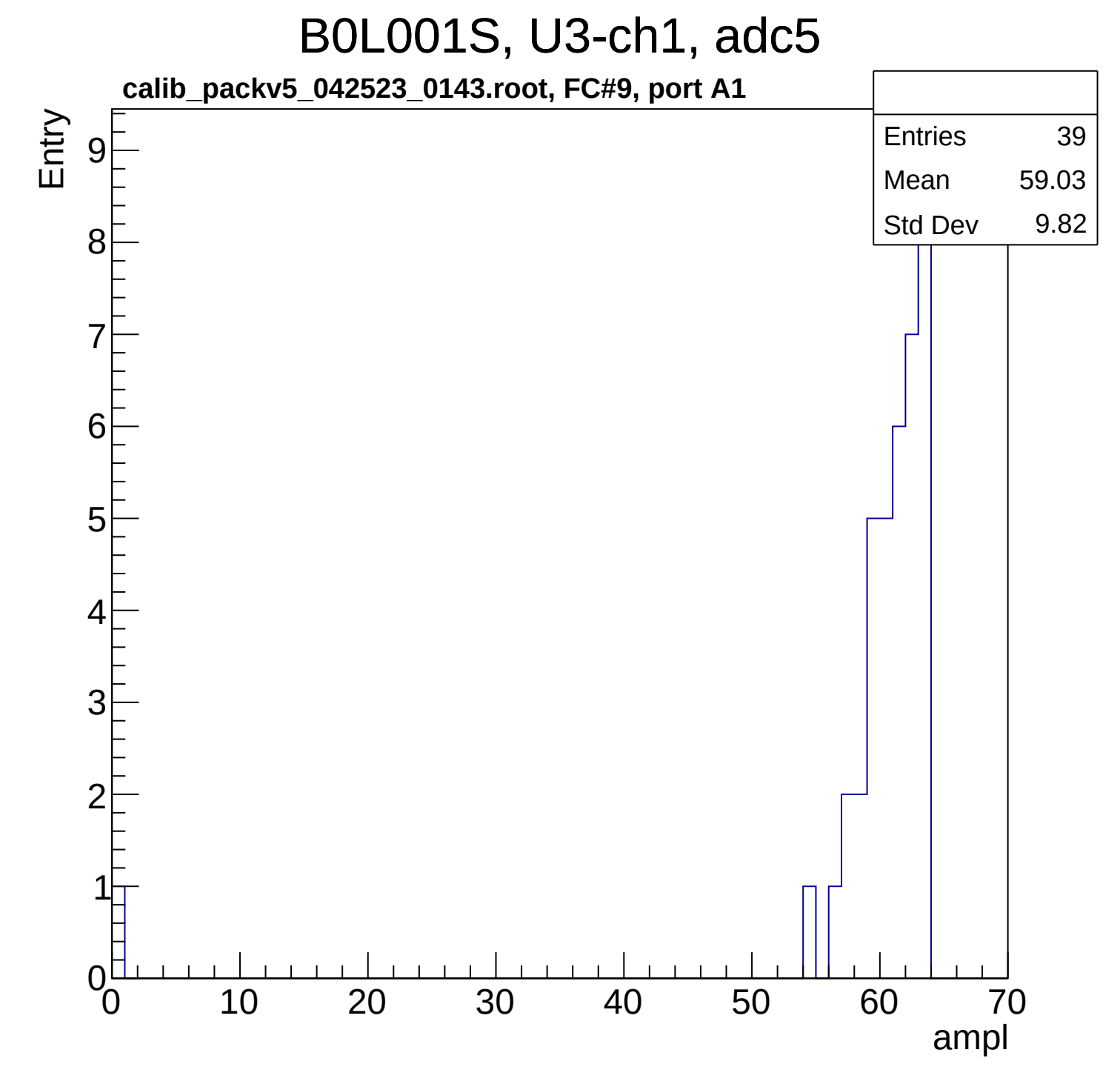
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch1, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 55.72
Std Dev 3.263
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch1, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 39
Mean 59.03
Std Dev 9.82
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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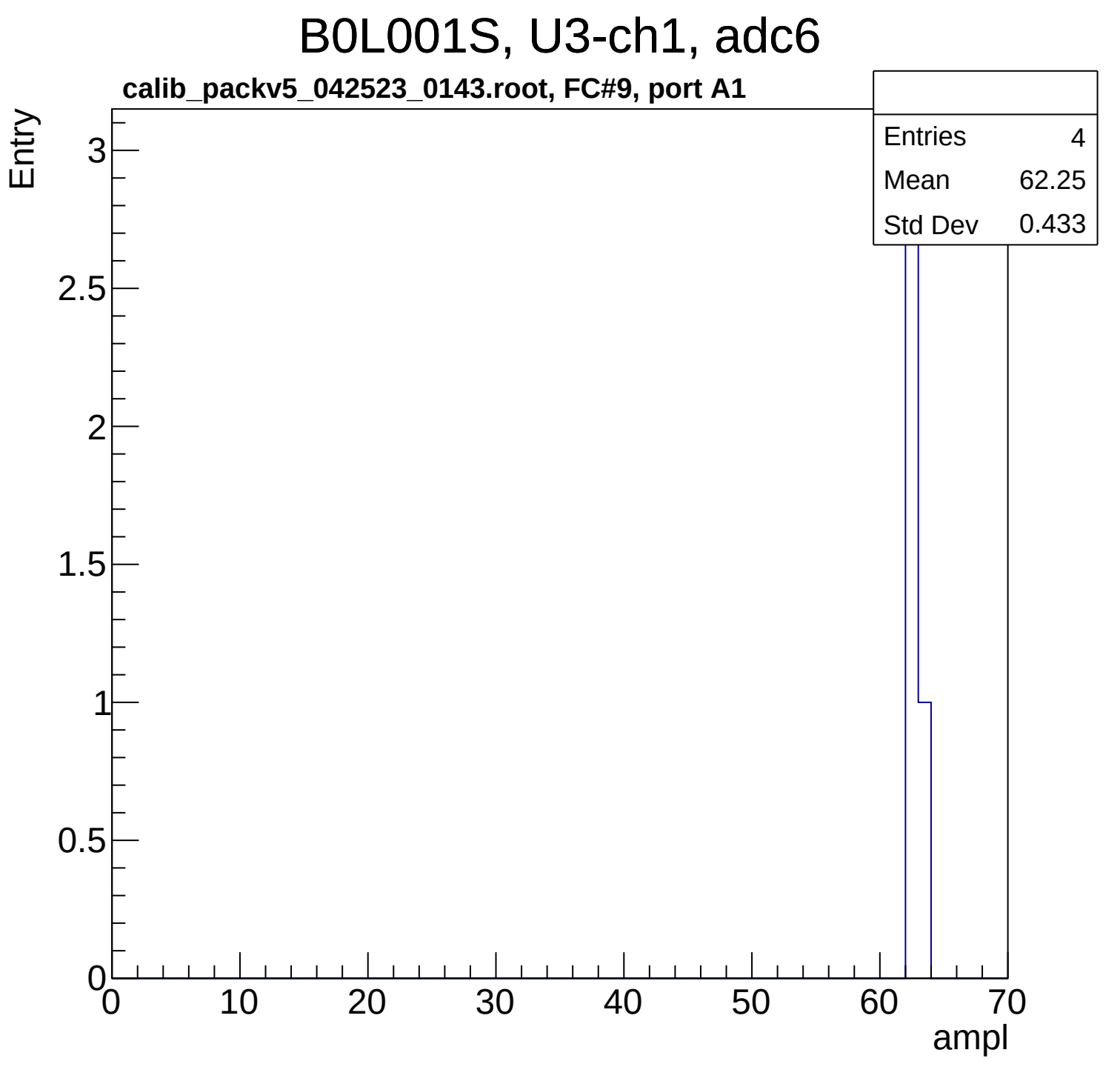
B0L001S, U3-ch1, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 62.25
Std Dev 0.433
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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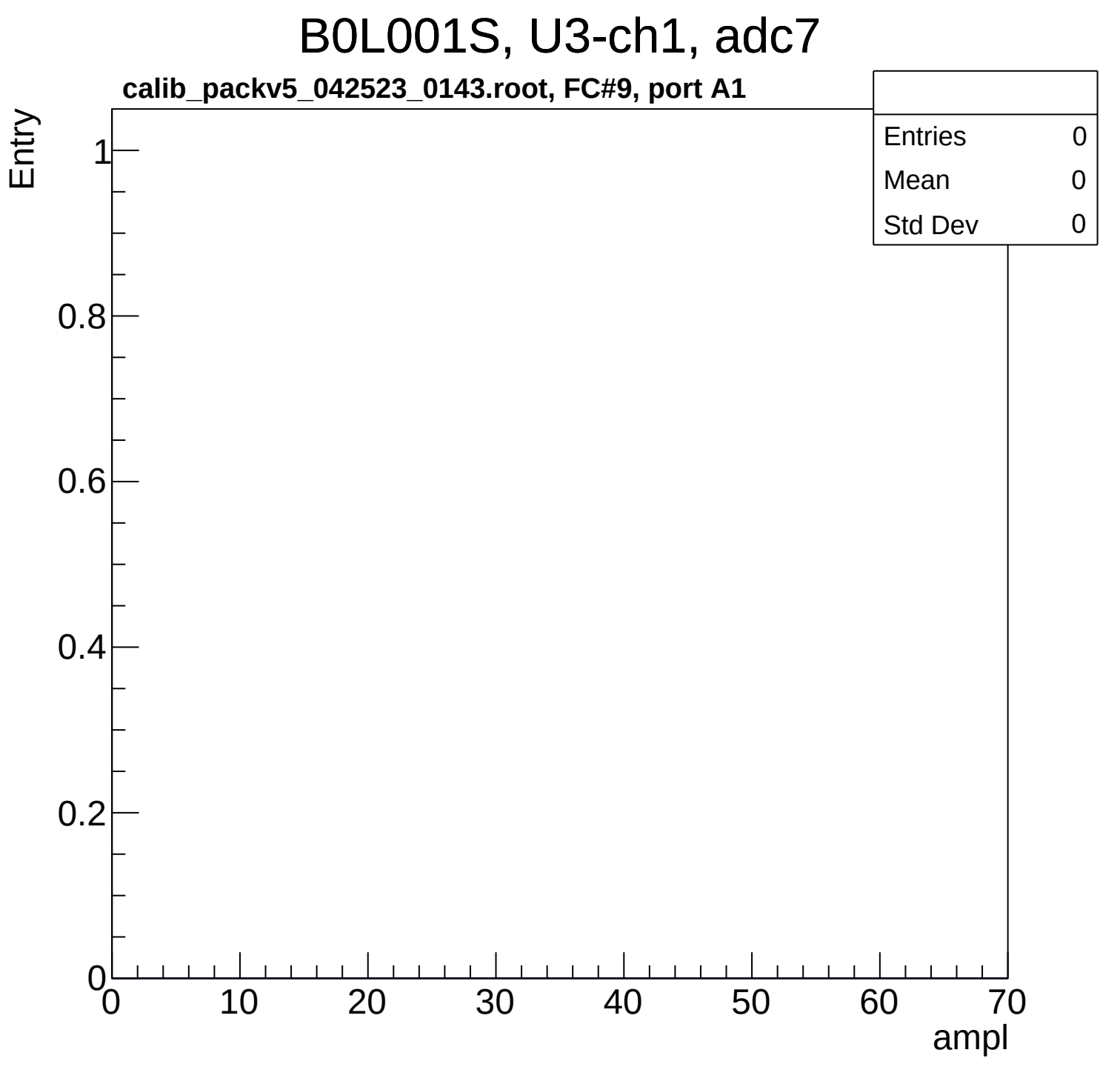
B0L001S, U3-ch1, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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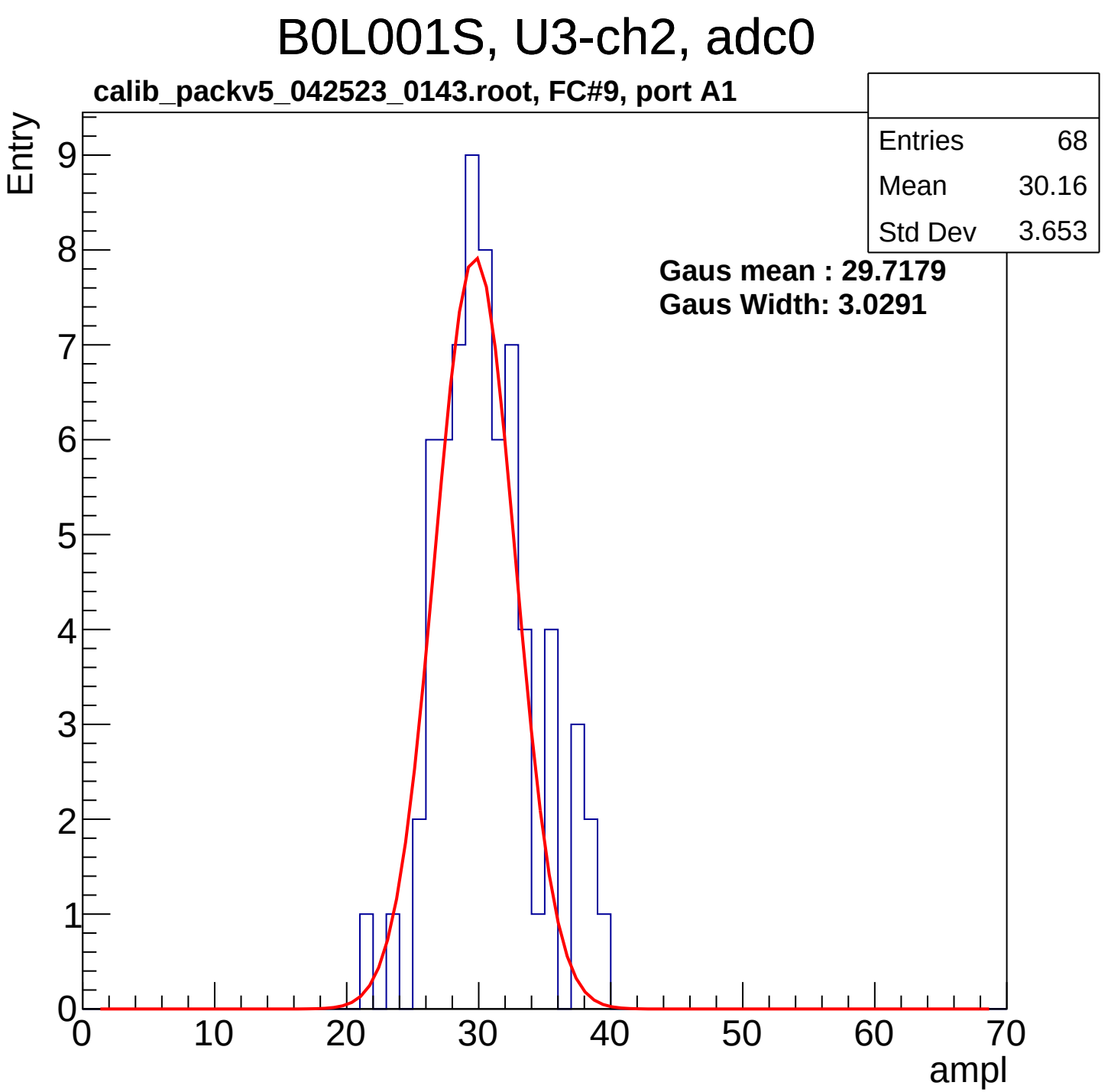
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch2, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 30.16
Std Dev 3.653
Gaus mean : 29.7179
Gaus Width: 3.0291
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
10
20
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60
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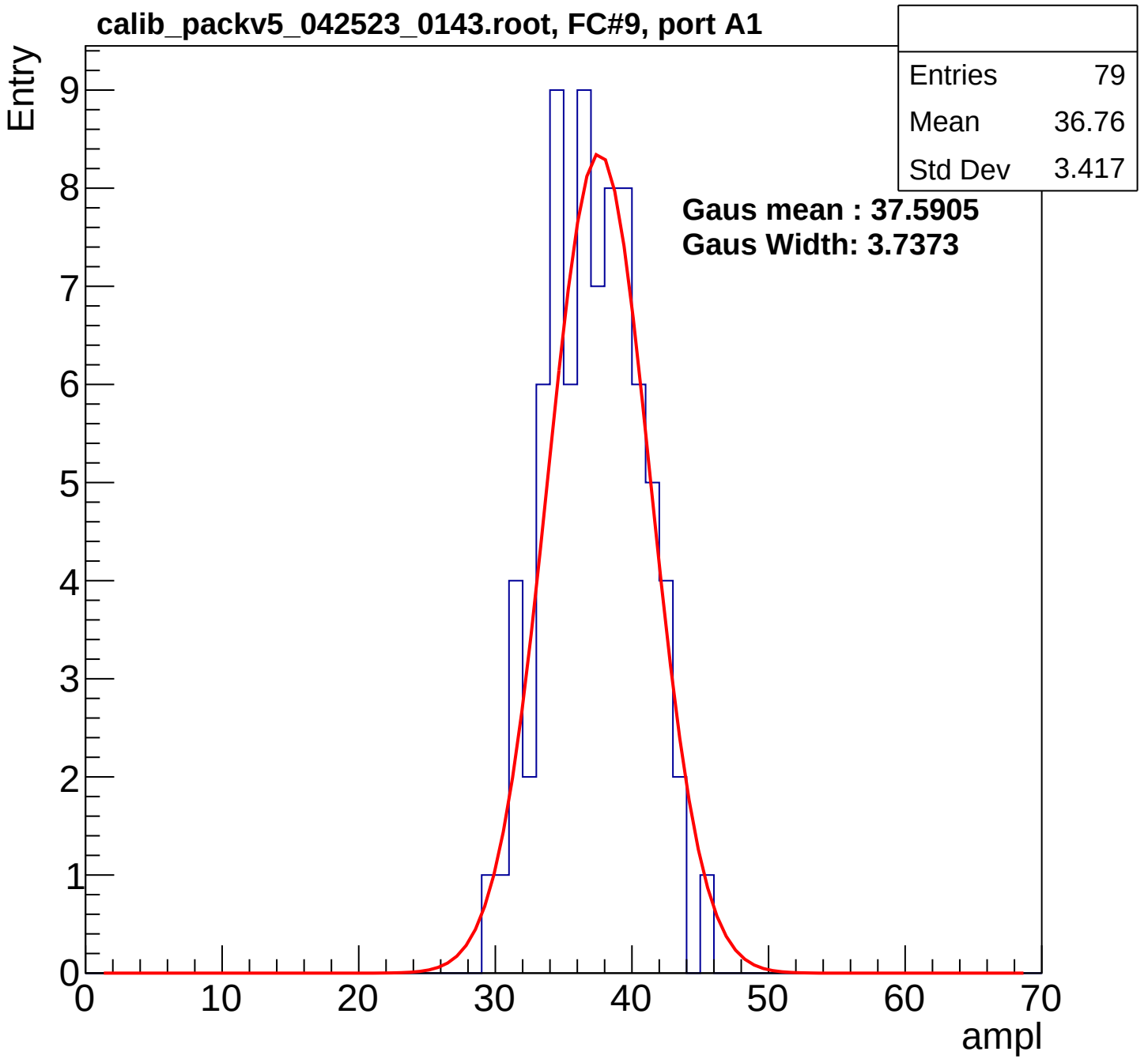
B0L001S, U3-ch2, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 36.76
Std Dev 3.417
Gaus mean : 37.5905
Gaus Width: 3.7373
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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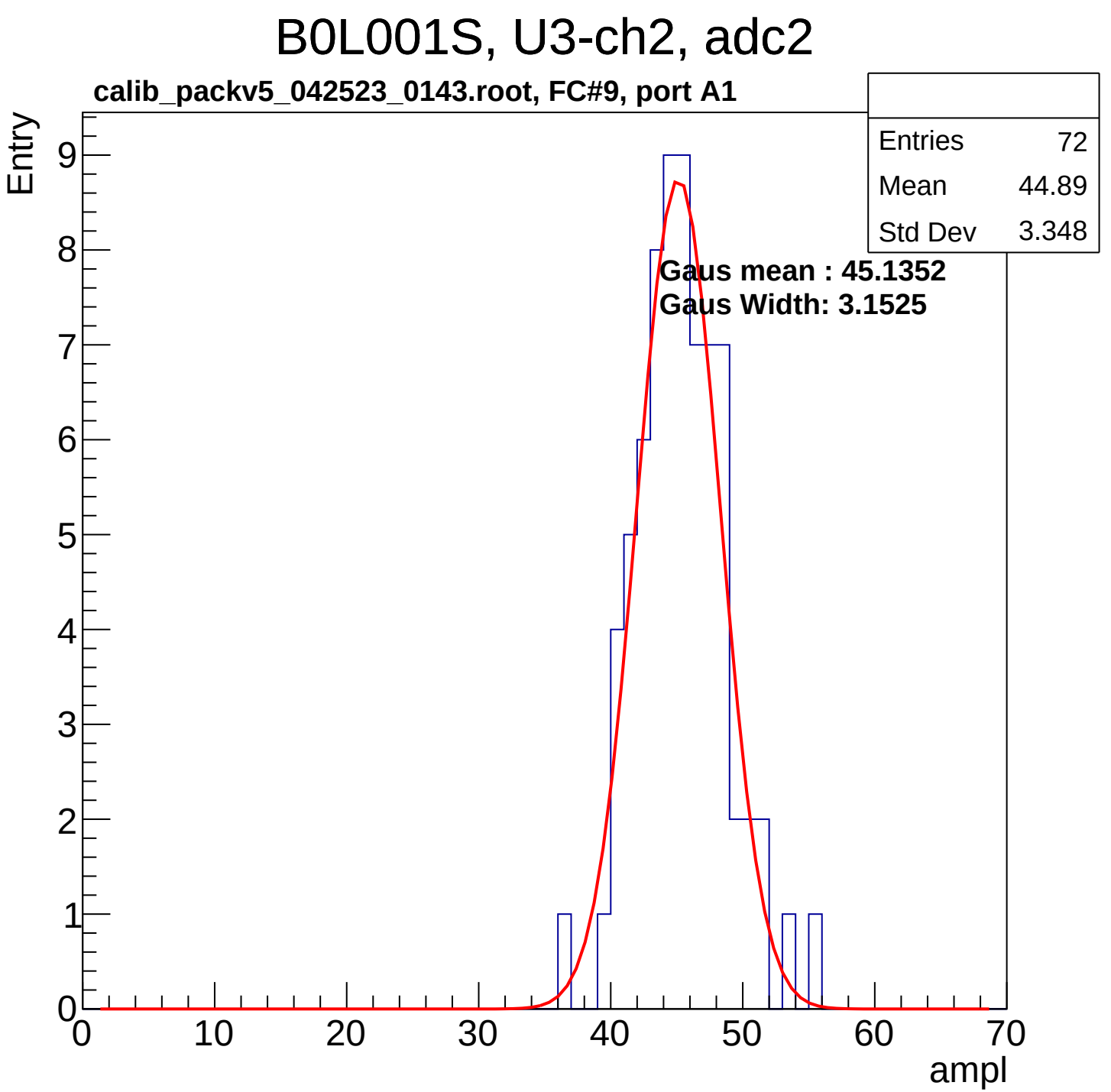
B0L001S, U3-ch2, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 44.89
Std Dev 3.348
Gaus mean : 45.1352
Gaus Width: 3.1525
Entry
ampl
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3
4
5
6
7
8
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0
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60
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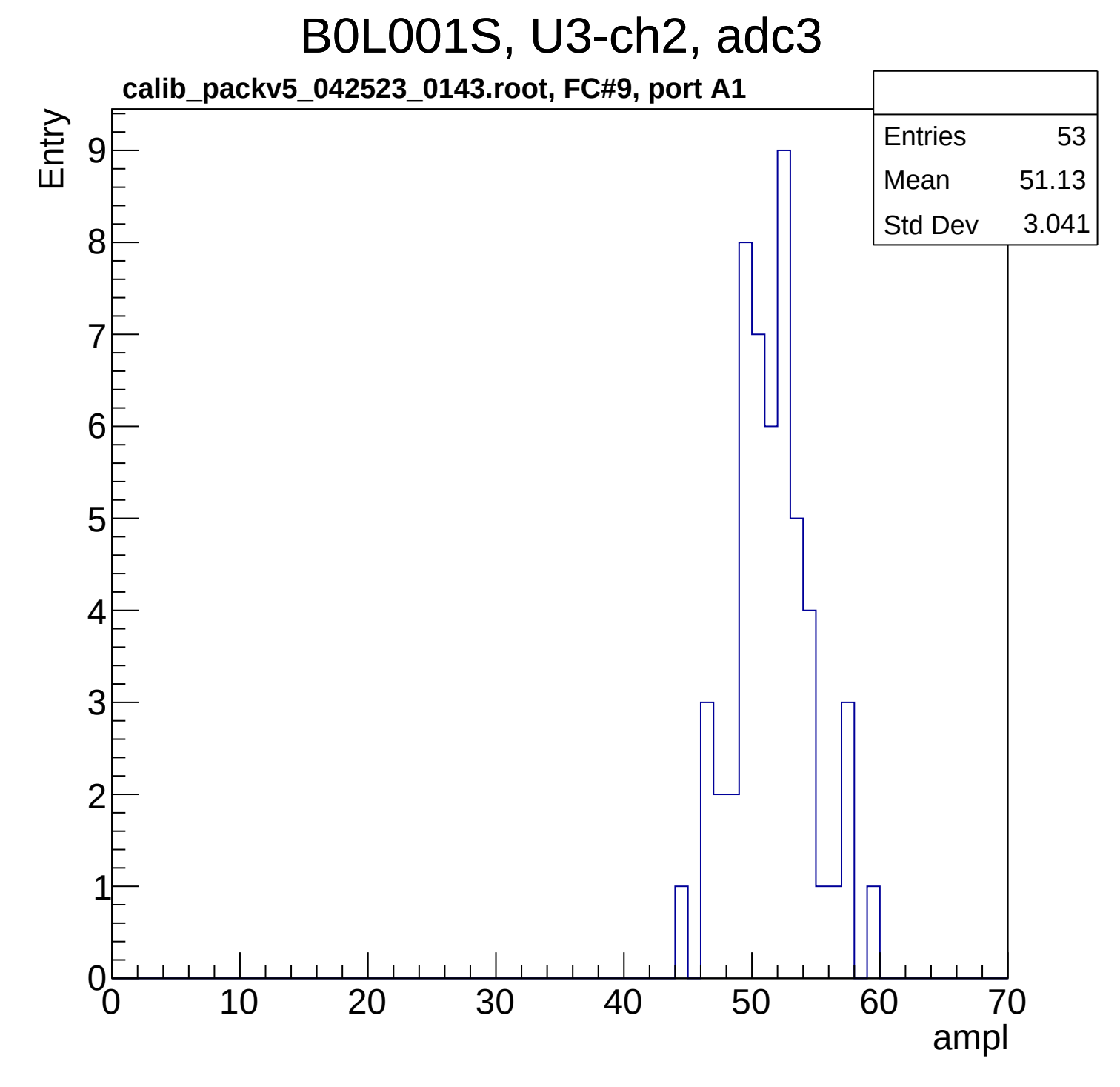
B0L001S, U3-ch2, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 51.13
Std Dev 3.041
Entry
ampl
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3
4
5
6
7
8
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0
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60
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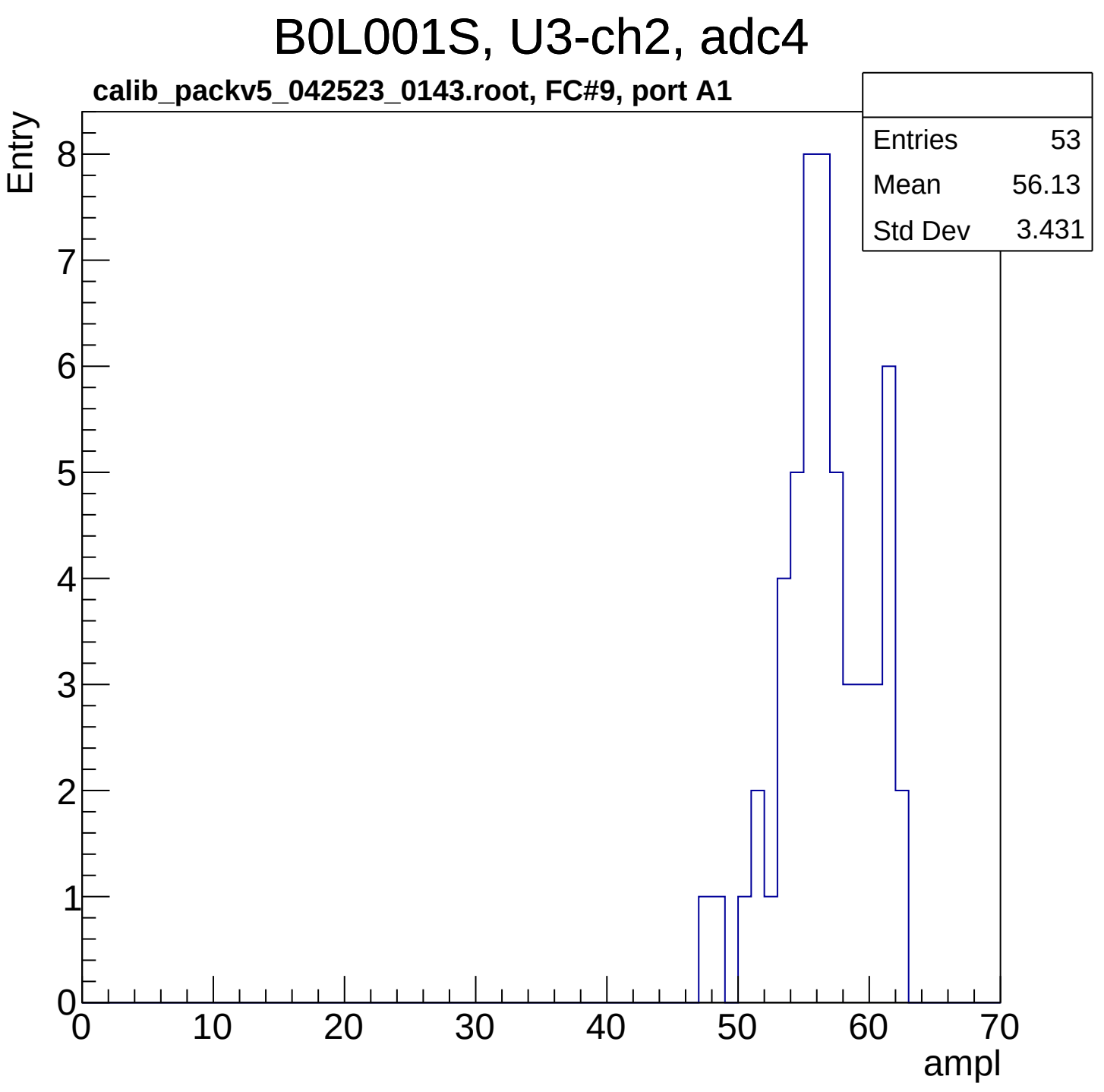
B0L001S, U3-ch2, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 56.13
Std Dev 3.431
Entry
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3
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5
6
7
8
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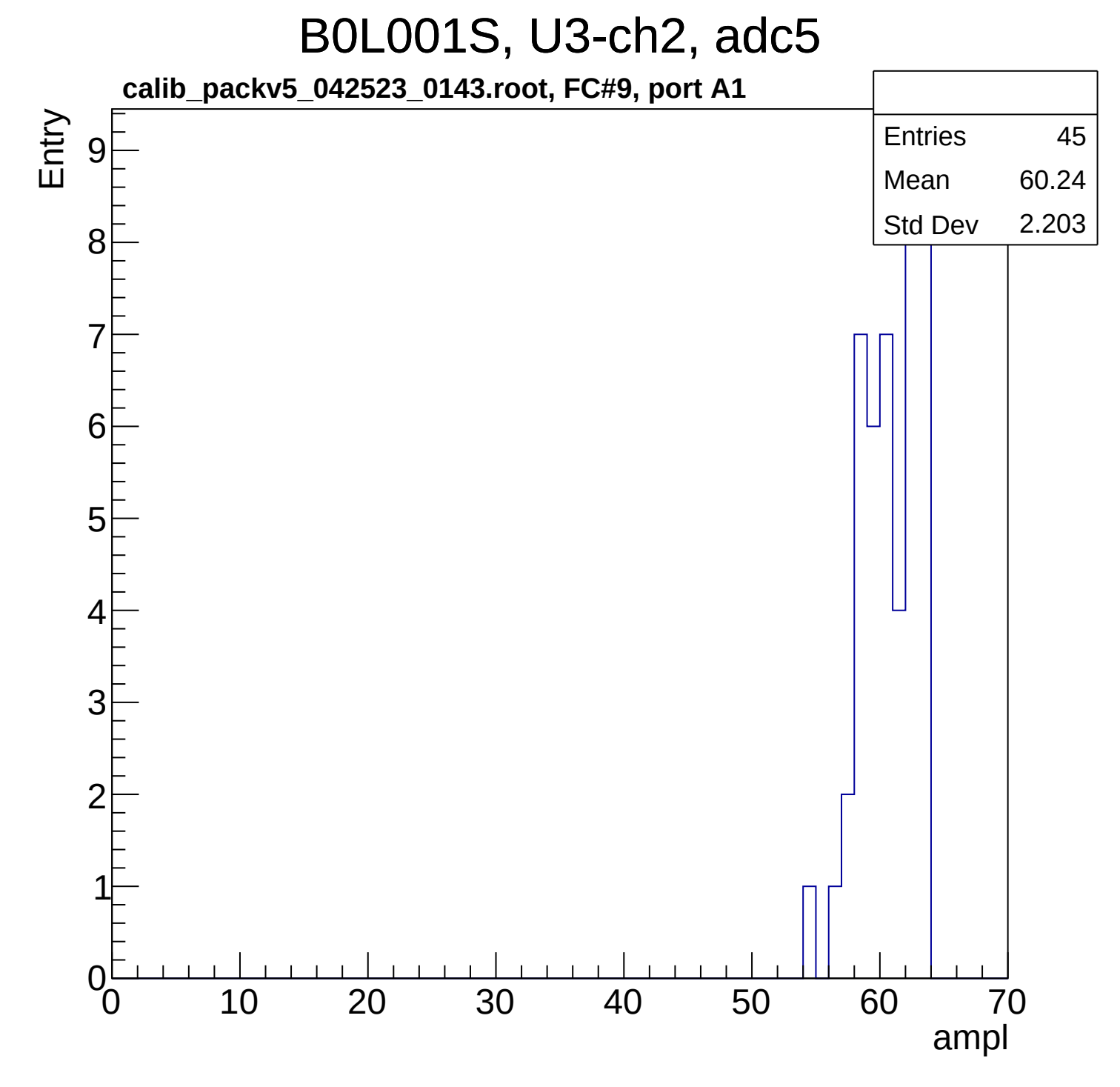
50
60
70
ampl


B0L001S, U3-ch2, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 60.24
Std Dev 2.203
Entry
ampl
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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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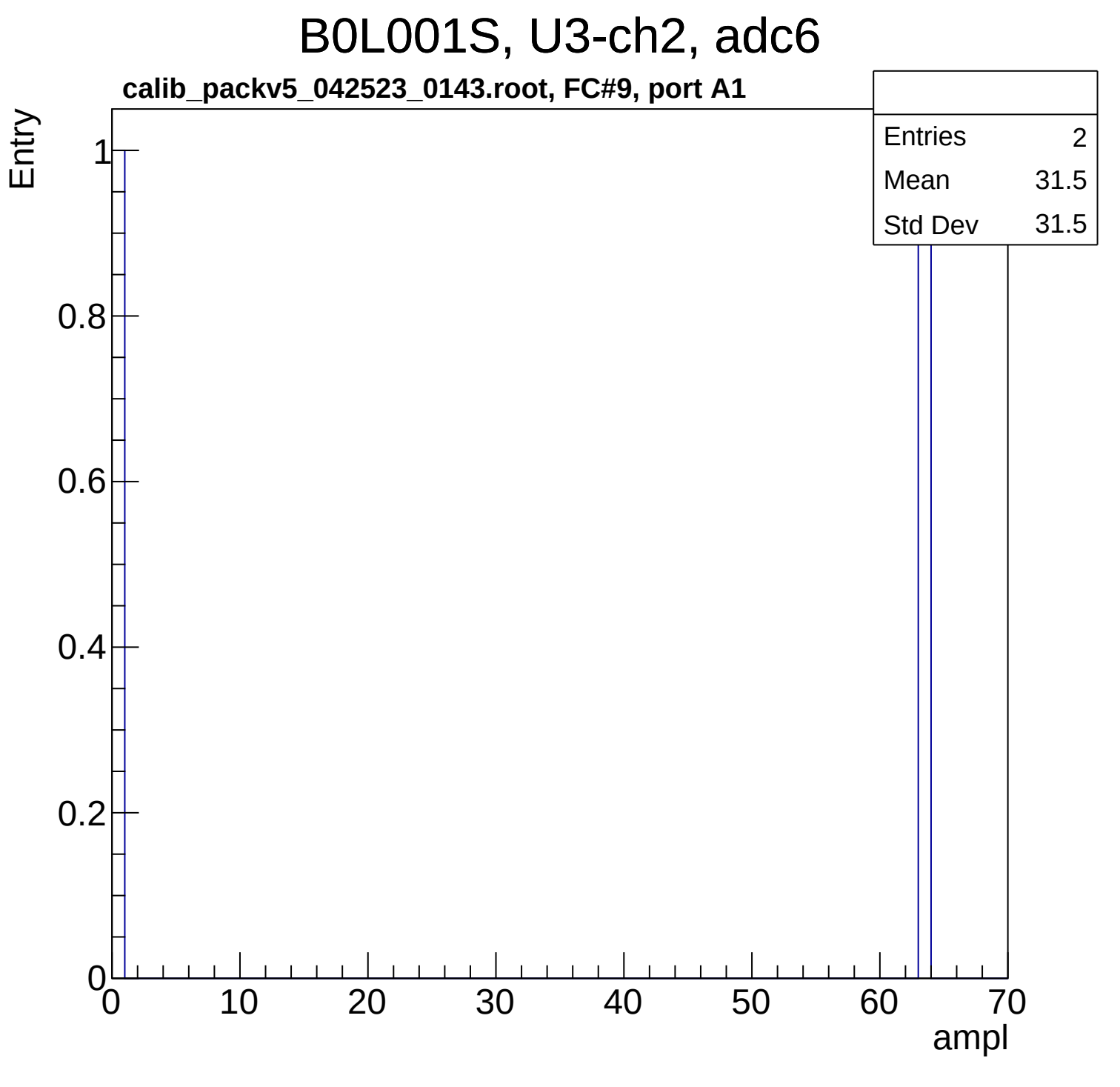
B0L001S, U3-ch2, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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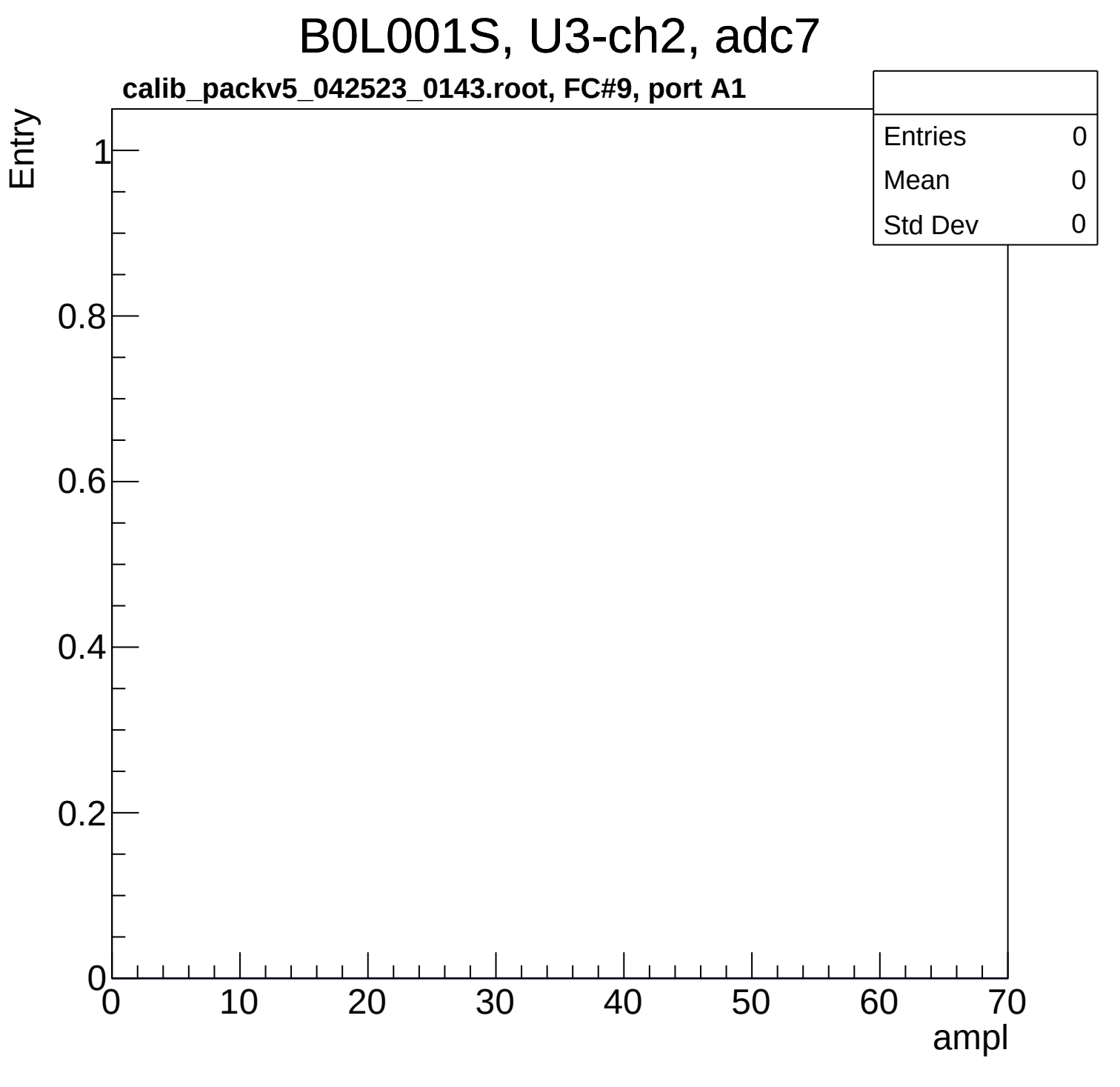
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch2, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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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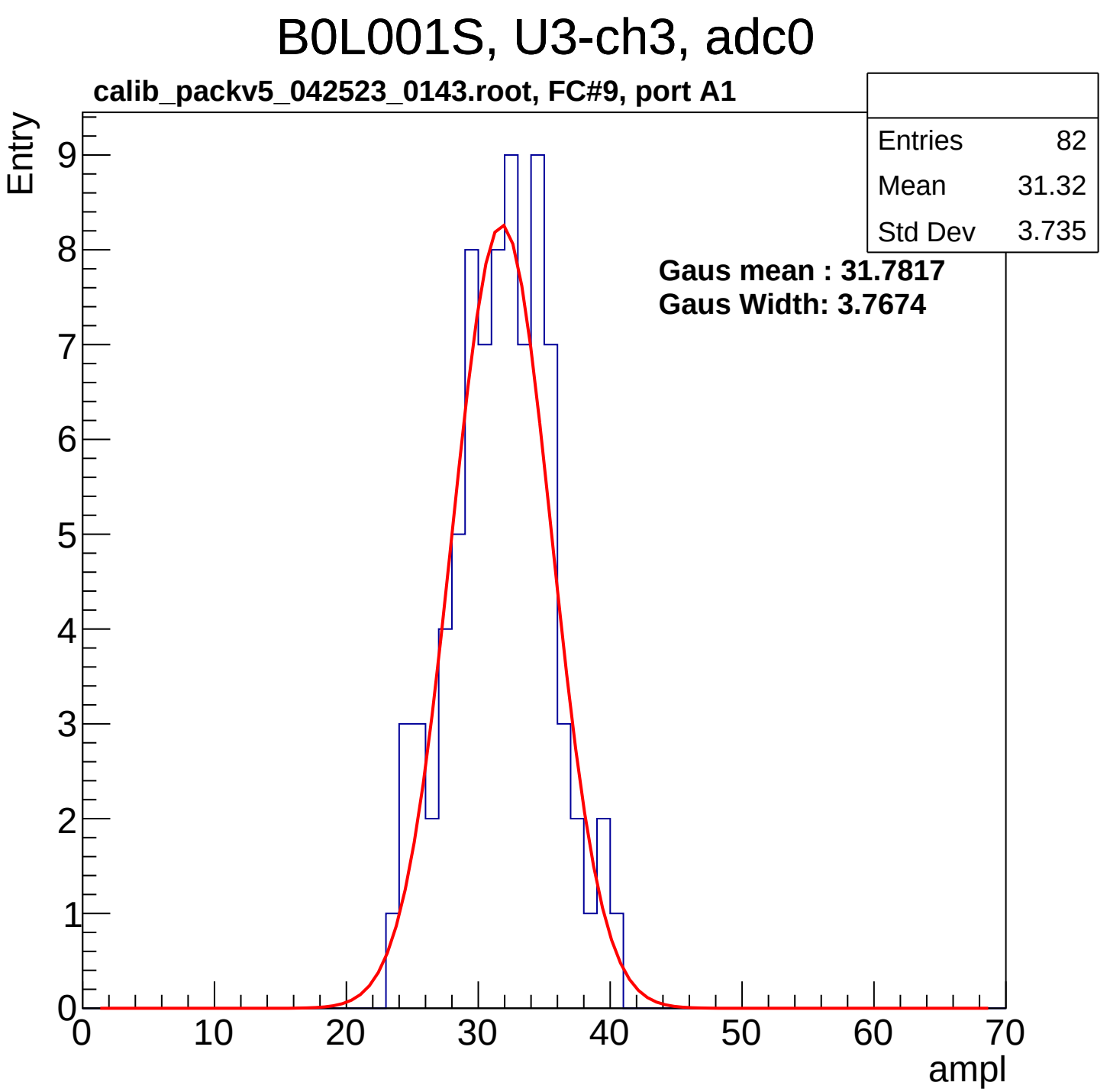
50
60
70
ampl


B0L001S, U3-ch3, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 31.32
Std Dev 3.735
Gaus mean : 31.7817
Gaus Width: 3.7674
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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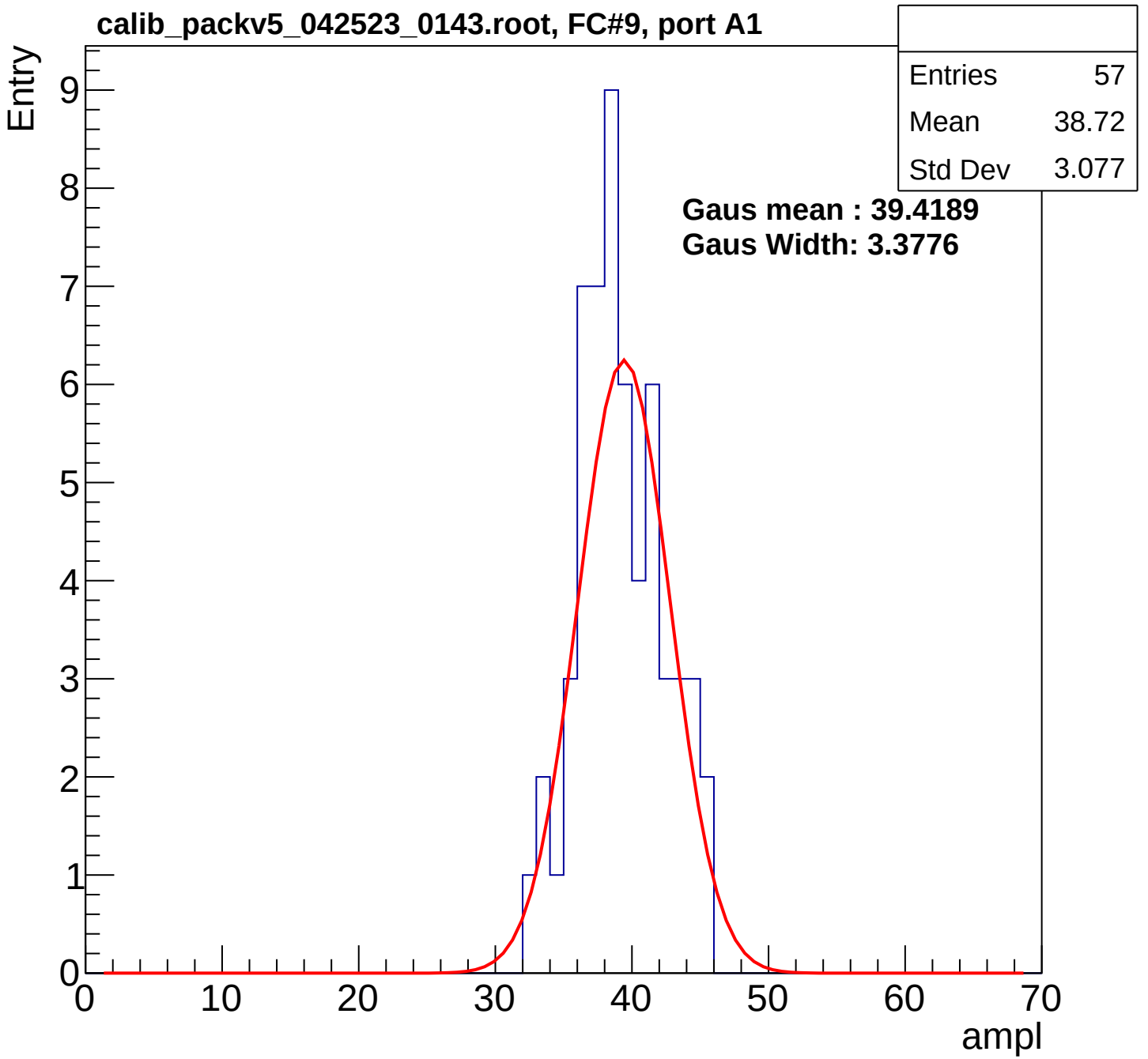
B0L001S, U3-ch3, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 38.72
Std Dev 3.077
Gaus mean : 39.4189
Gaus Width: 3.3776
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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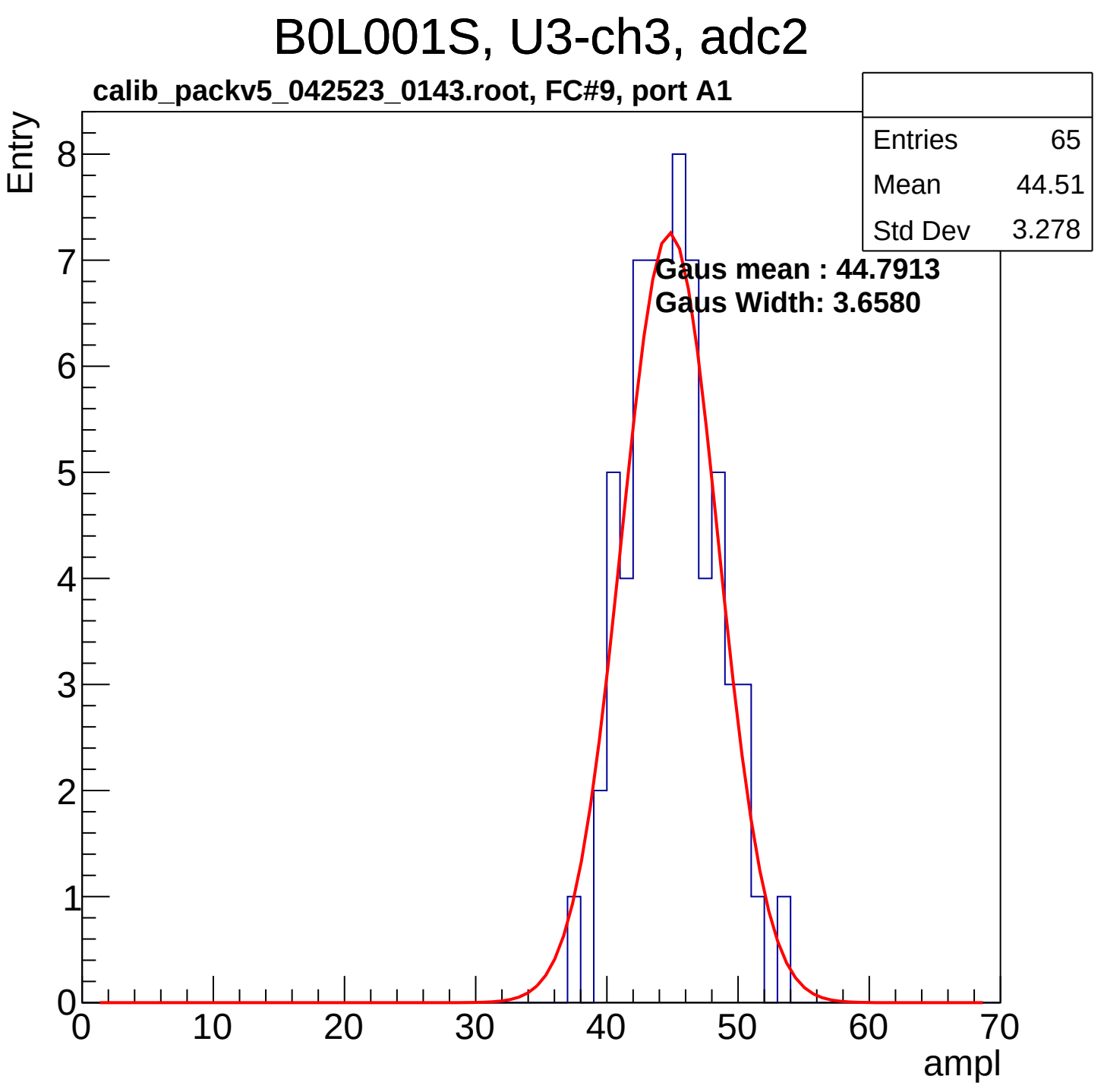
B0L001S, U3-ch3, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 44.51
Std Dev 3.278
Gaus mean : 44.7913
Gaus Width: 3.6580
Entry
ampl
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2
3
4
5
6
7
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0
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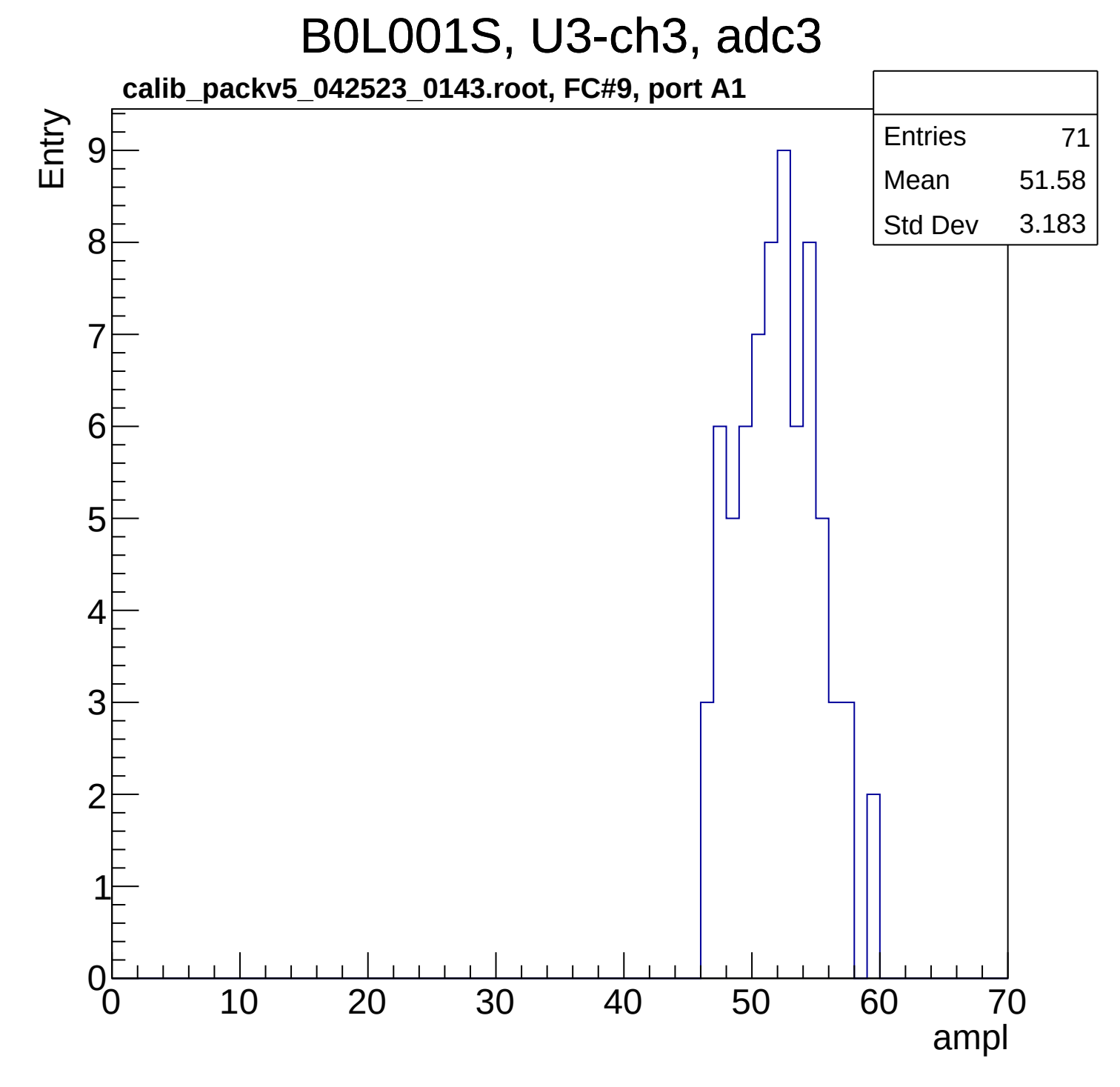
B0L001S, U3-ch3, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 51.58
Std Dev 3.183
Entry
ampl
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3
4
5
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8
9
0
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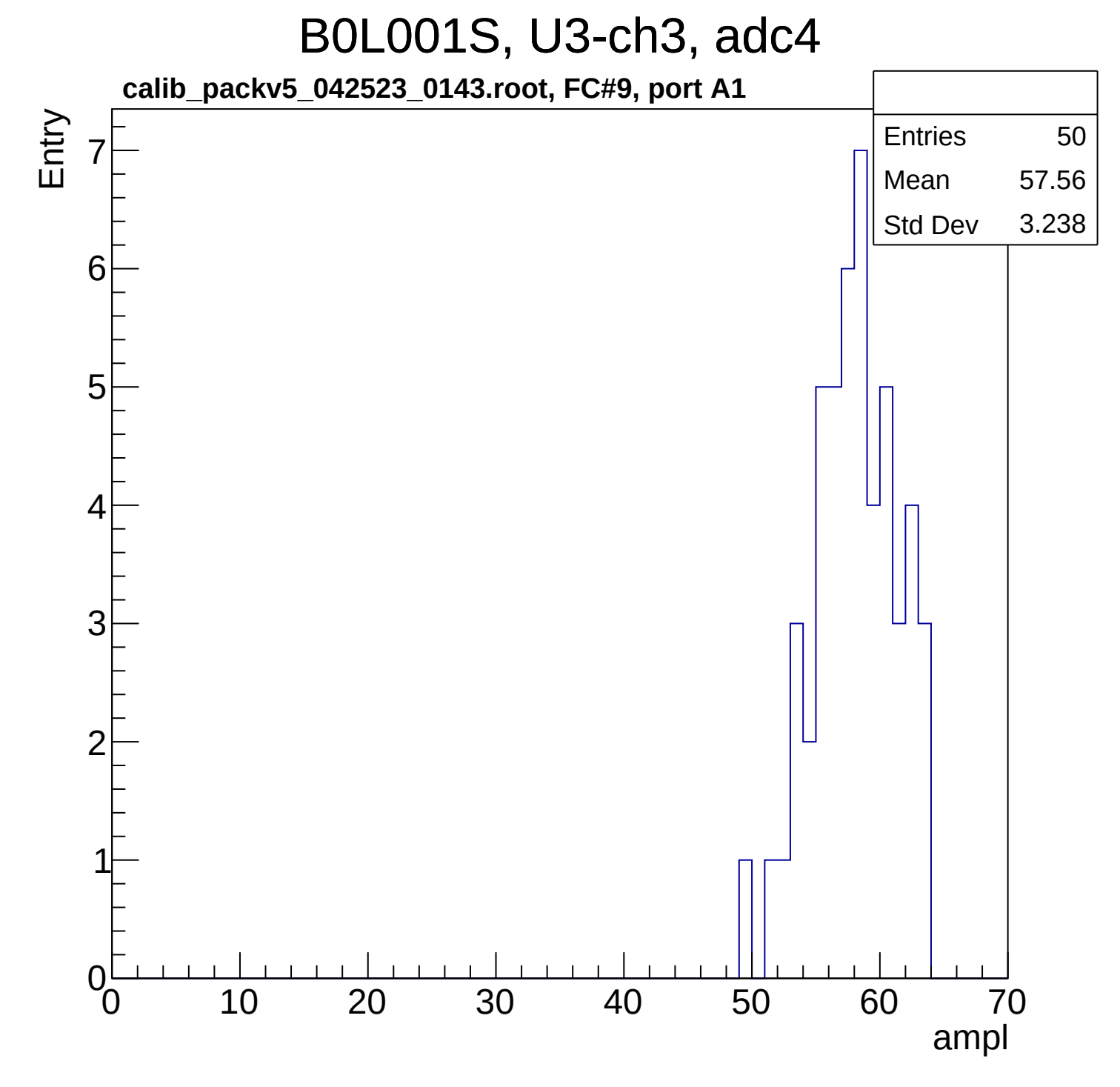
B0L001S, U3-ch3, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 57.56
Std Dev 3.238
Entry
ampl
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3
4
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0
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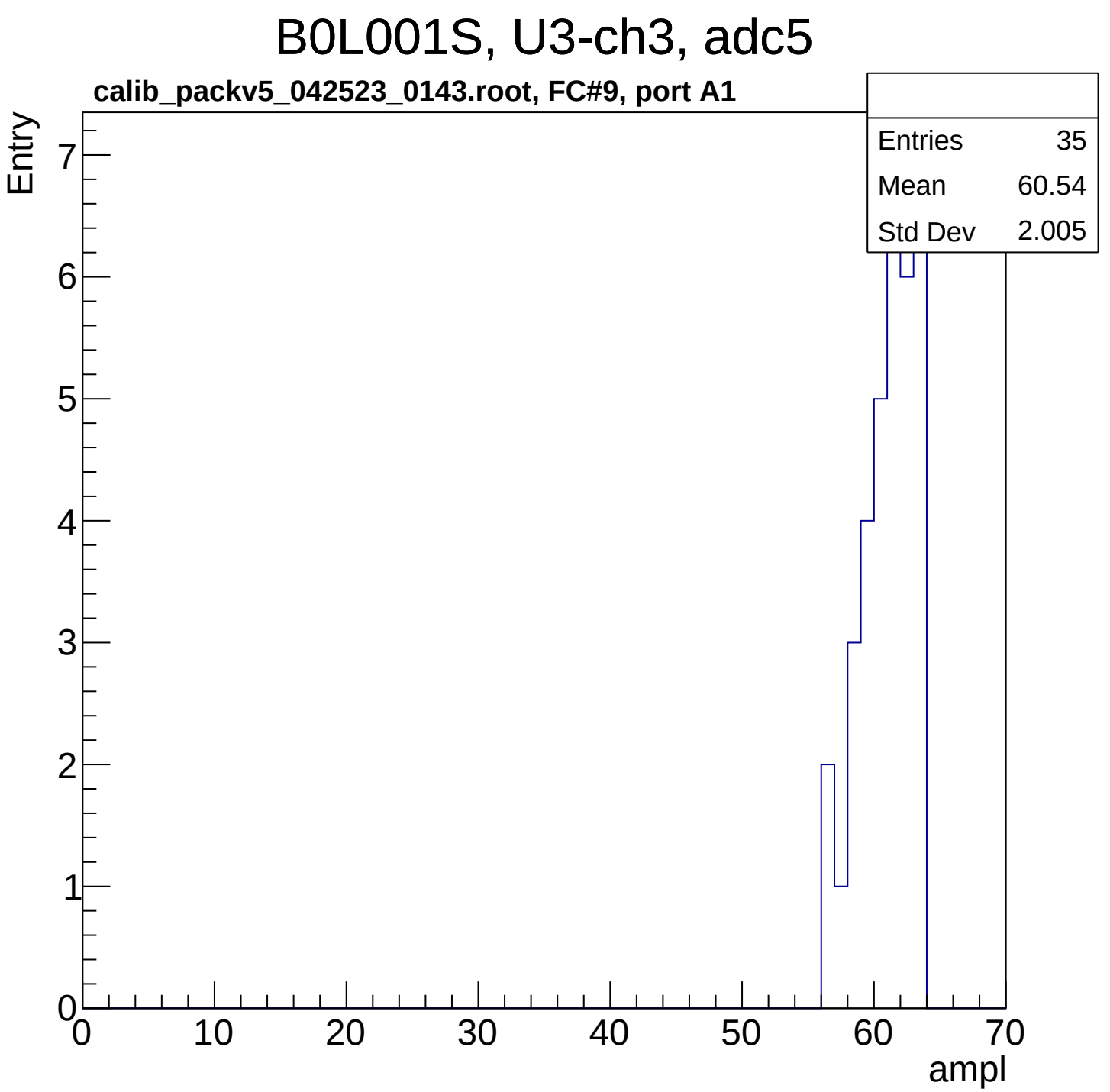
B0L001S, U3-ch3, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 35
Mean 60.54
Std Dev 2.005
Entry
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2
3
4
5
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10
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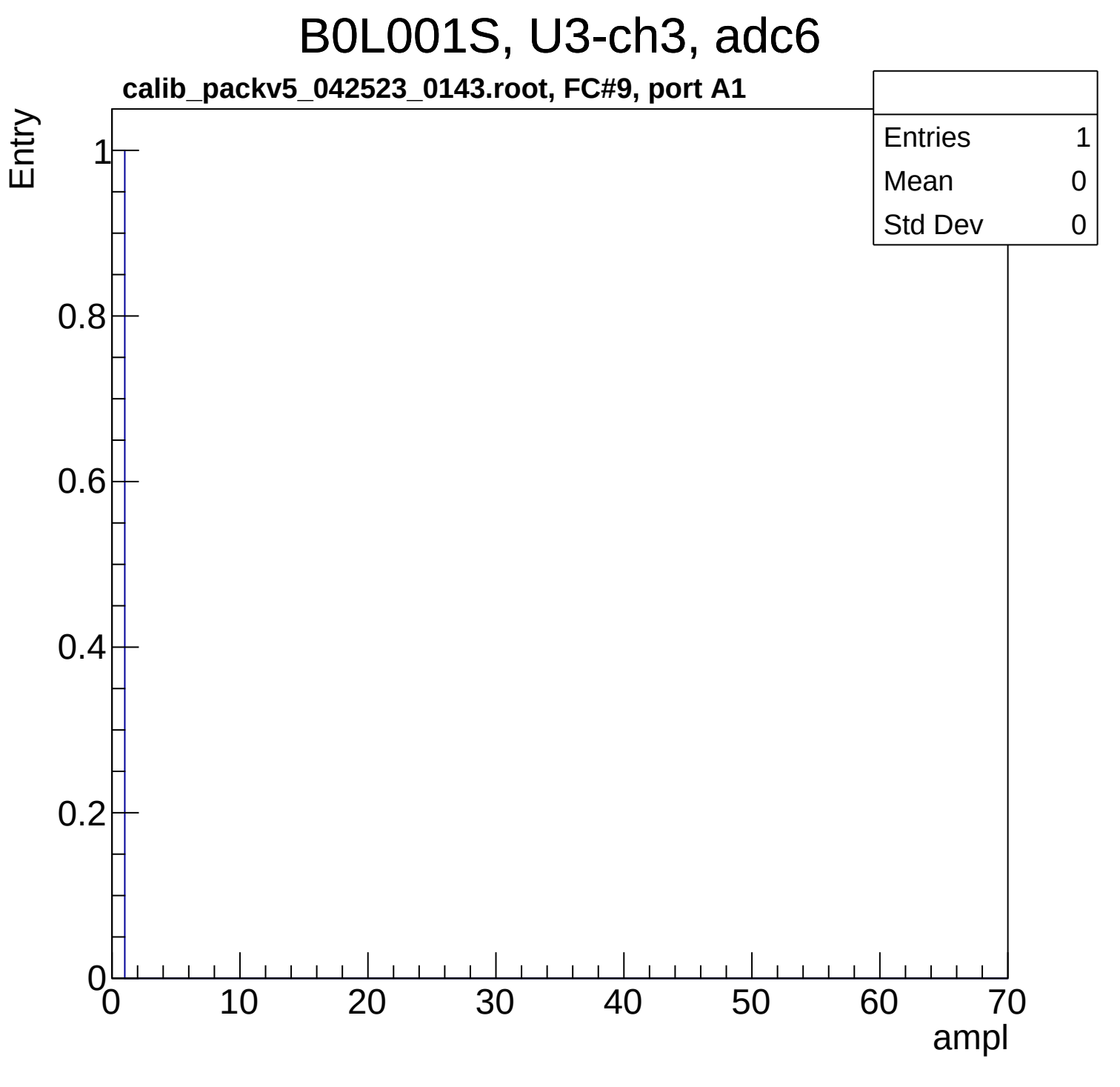
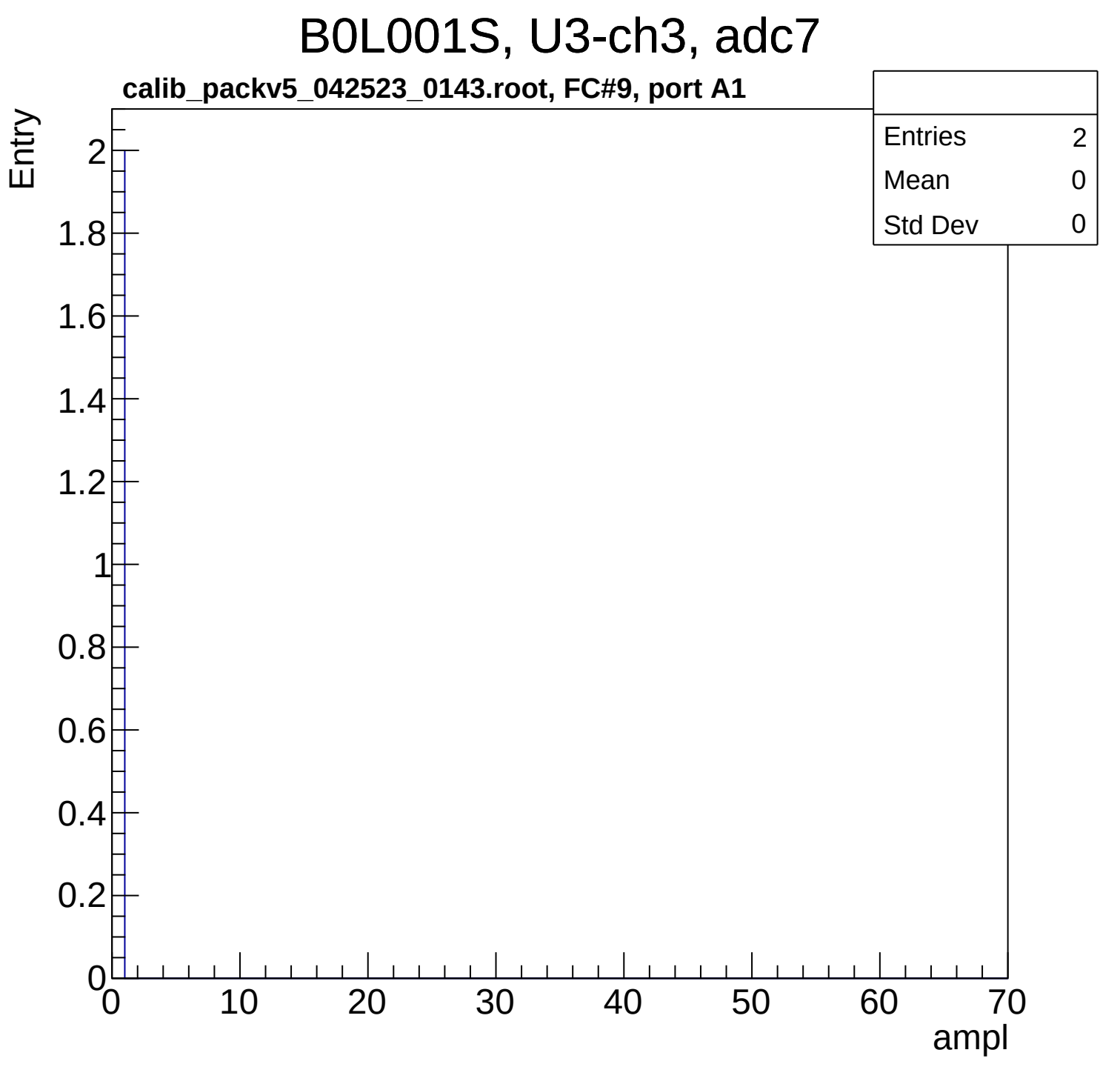
50
60
70
ampl


B0L001S, U3-ch3, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch3, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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
0
10
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30
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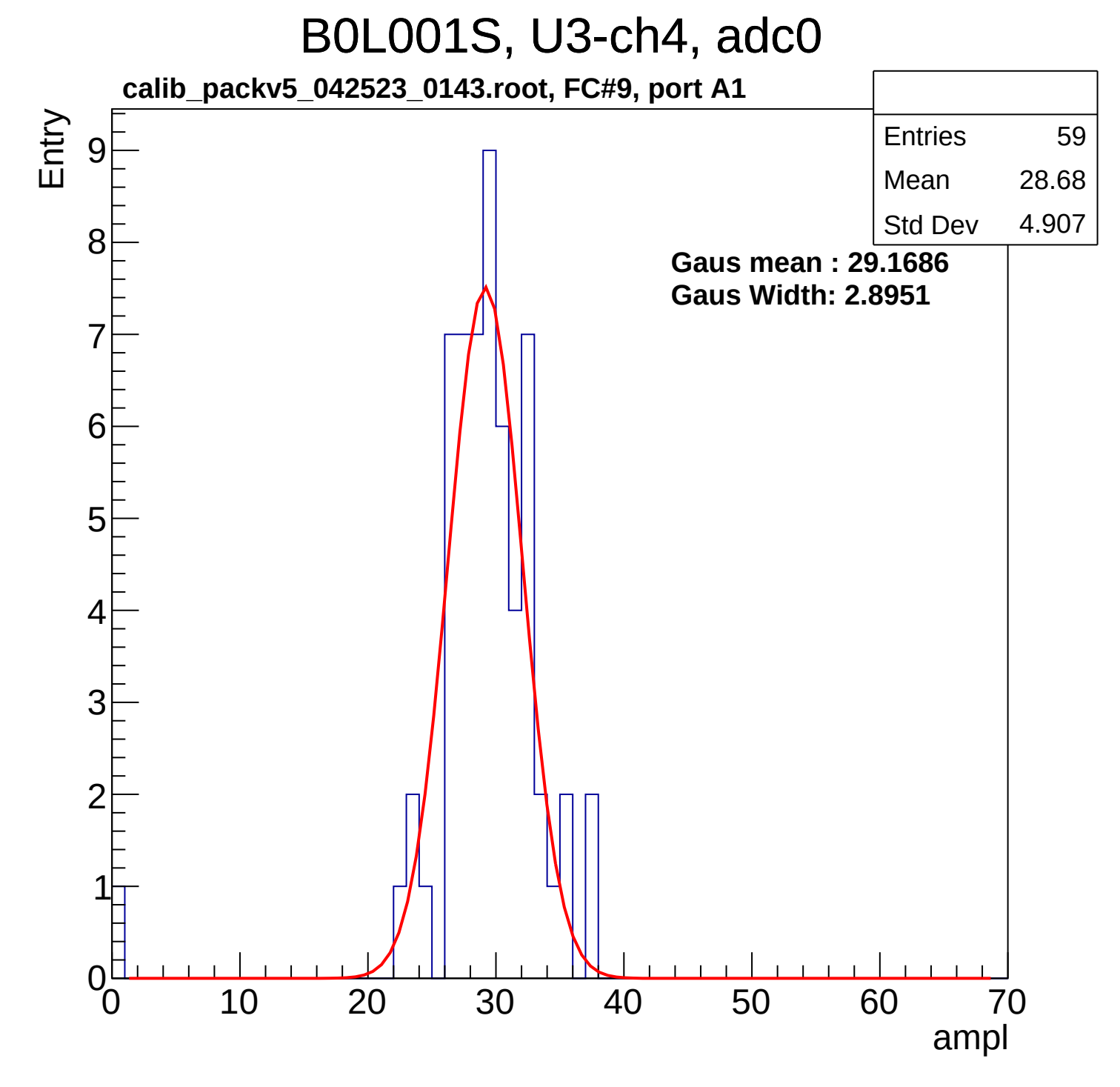
50
60
70
ampl


B0L001S, U3-ch4, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 28.68
Std Dev 4.907
Gaus mean : 29.1686
Gaus Width: 2.8951
Entry
ampl
0
1
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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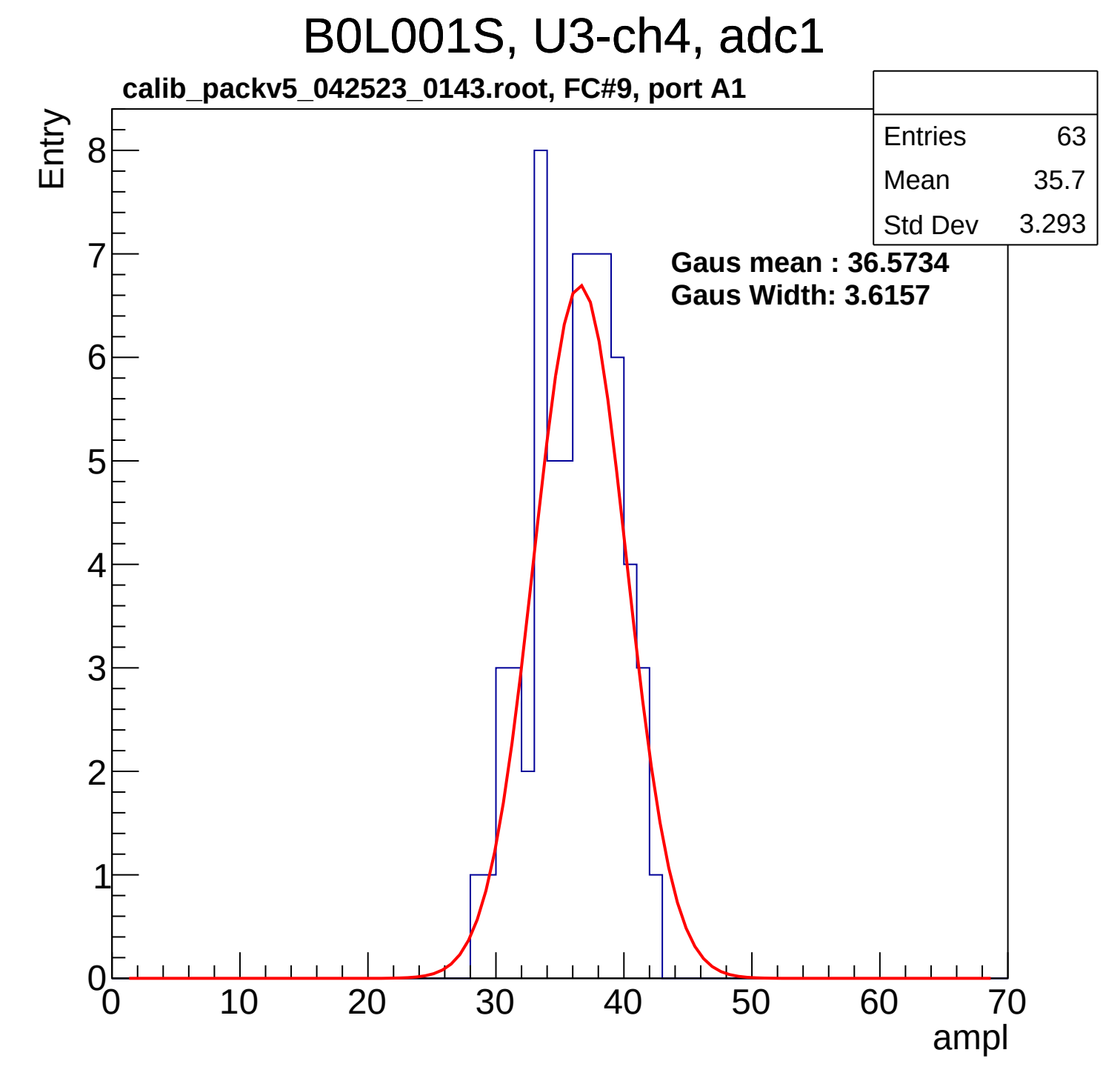
B0L001S, U3-ch4, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 35.7
Std Dev 3.293
Gaus mean : 36.5734
Gaus Width: 3.6157
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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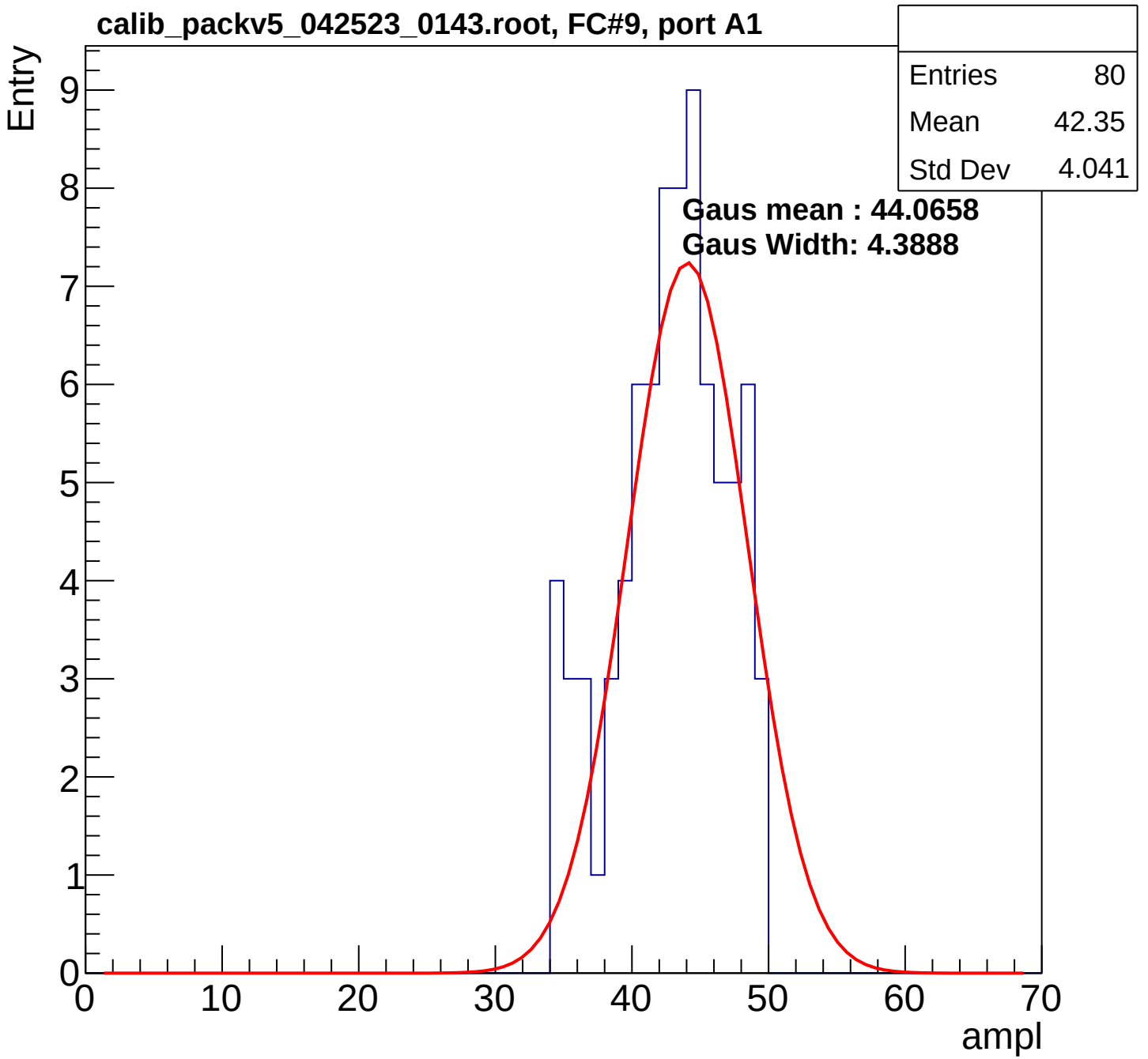
B0L001S, U3-ch4, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 42.35
Std Dev 4.041
Gaus mean : 44.0658
Gaus Width: 4.3888
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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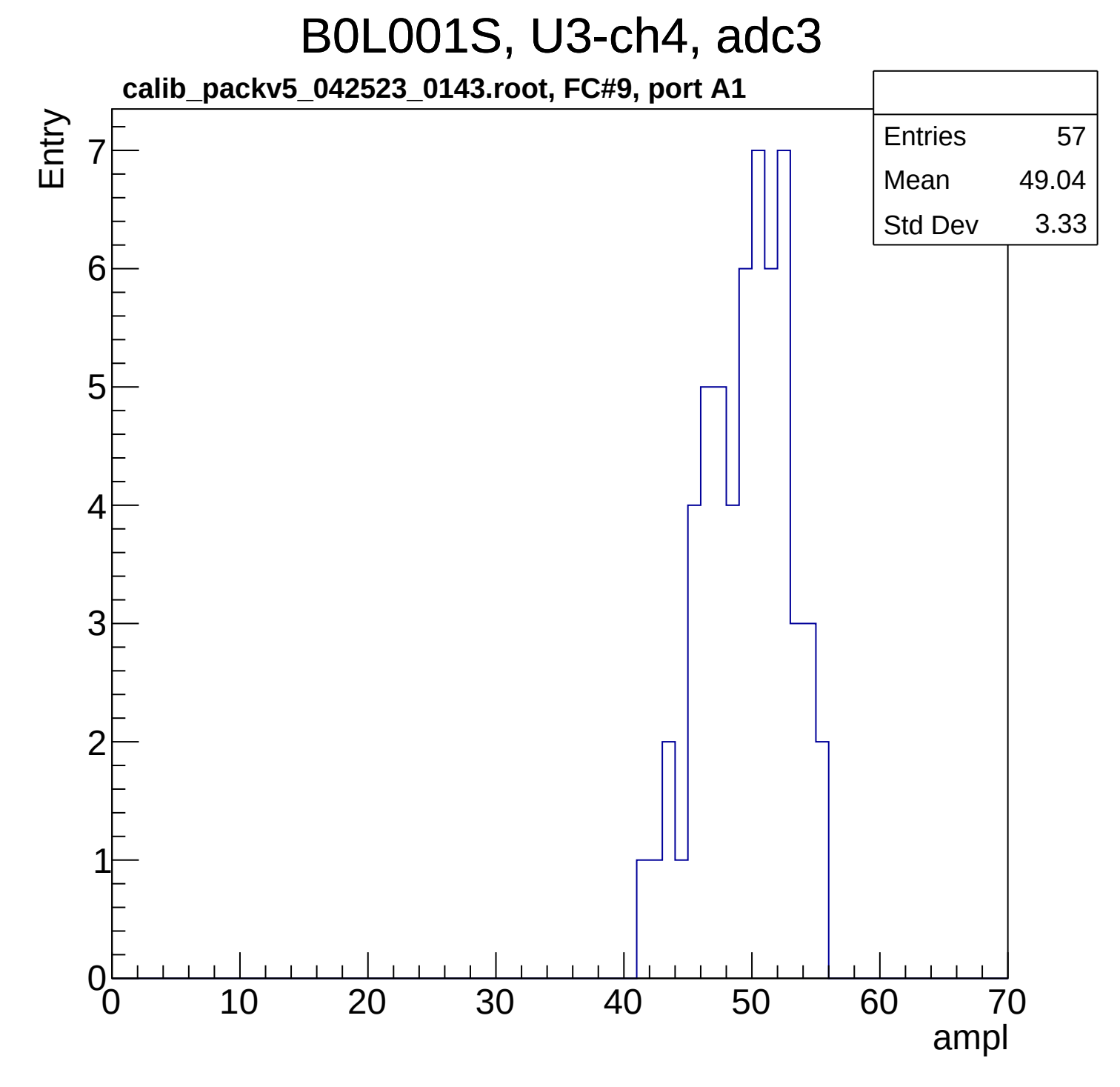
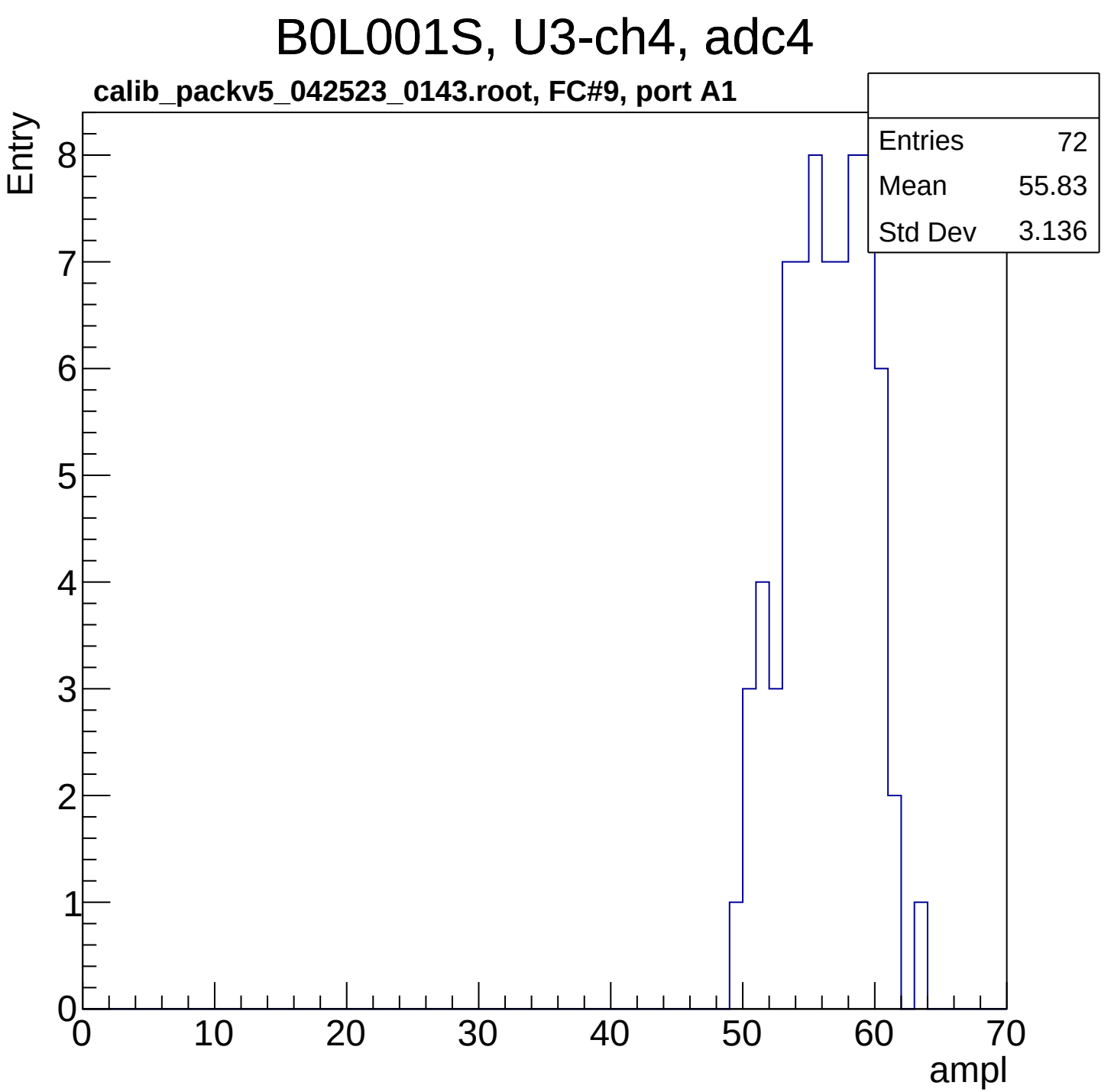
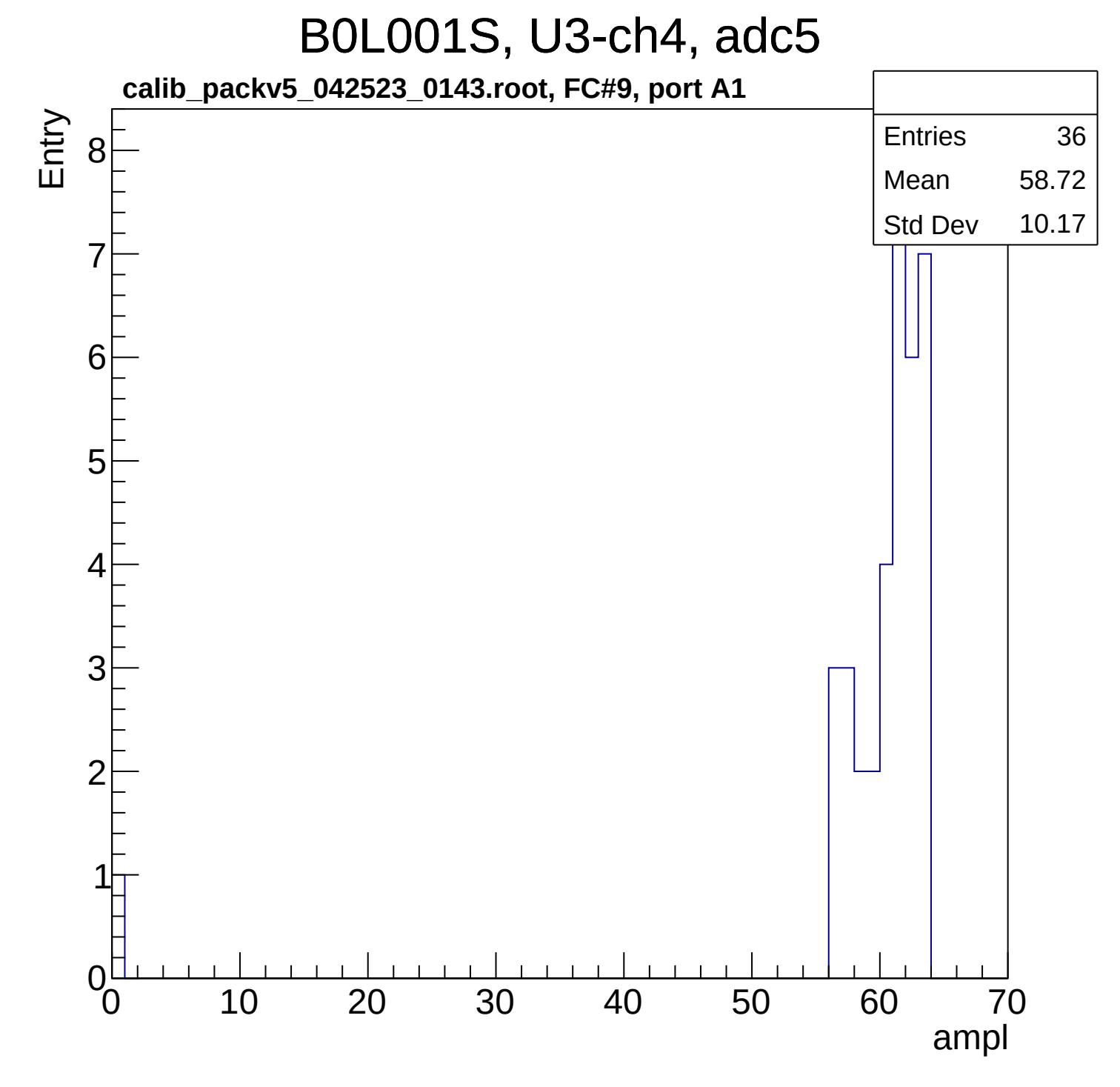

B0L001S, U3-ch4, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 49.04
Std Dev 3.33
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch4, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 55.83
Std Dev 3.136
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch4, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 58.72
Std Dev 10.17
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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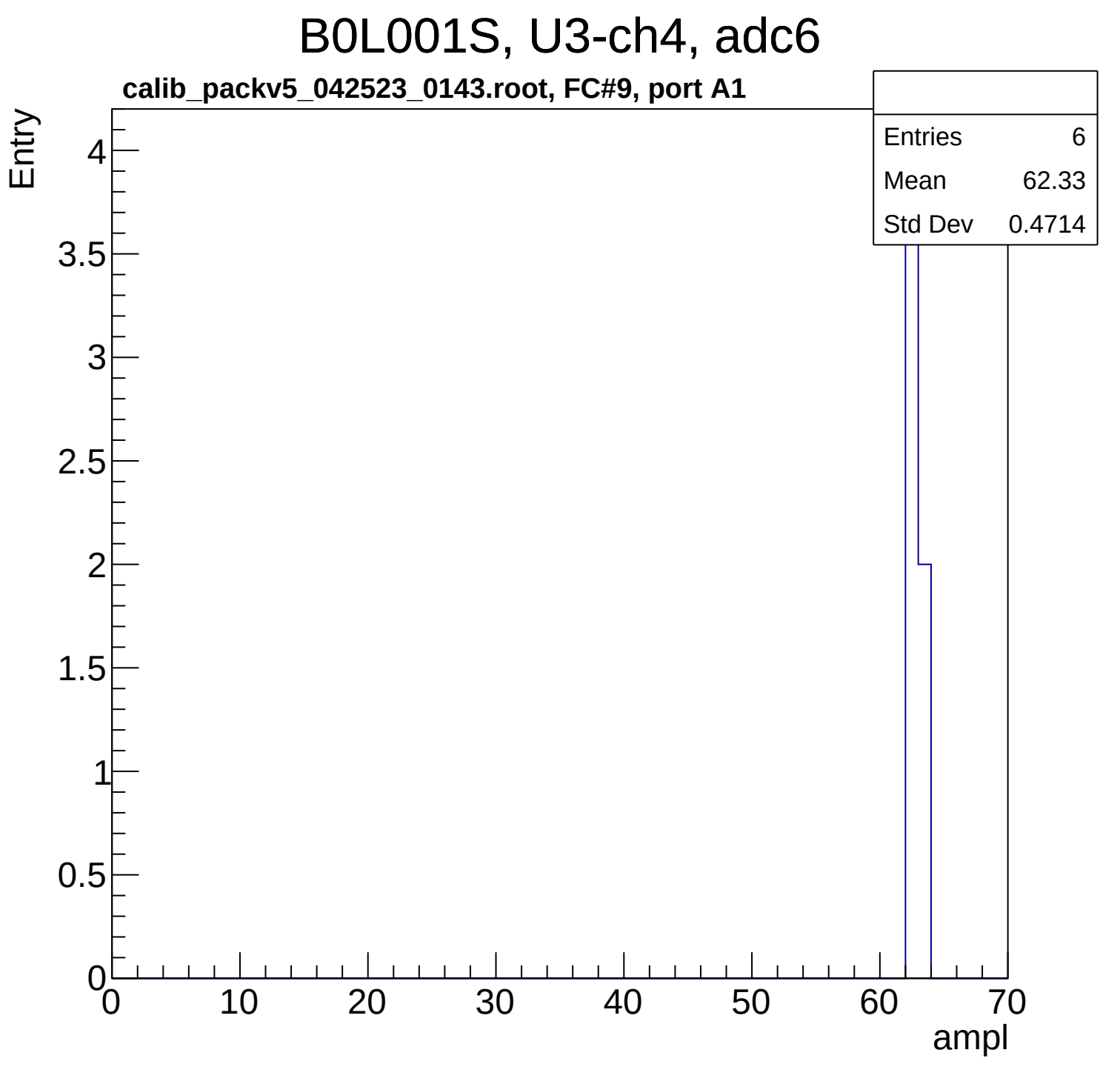
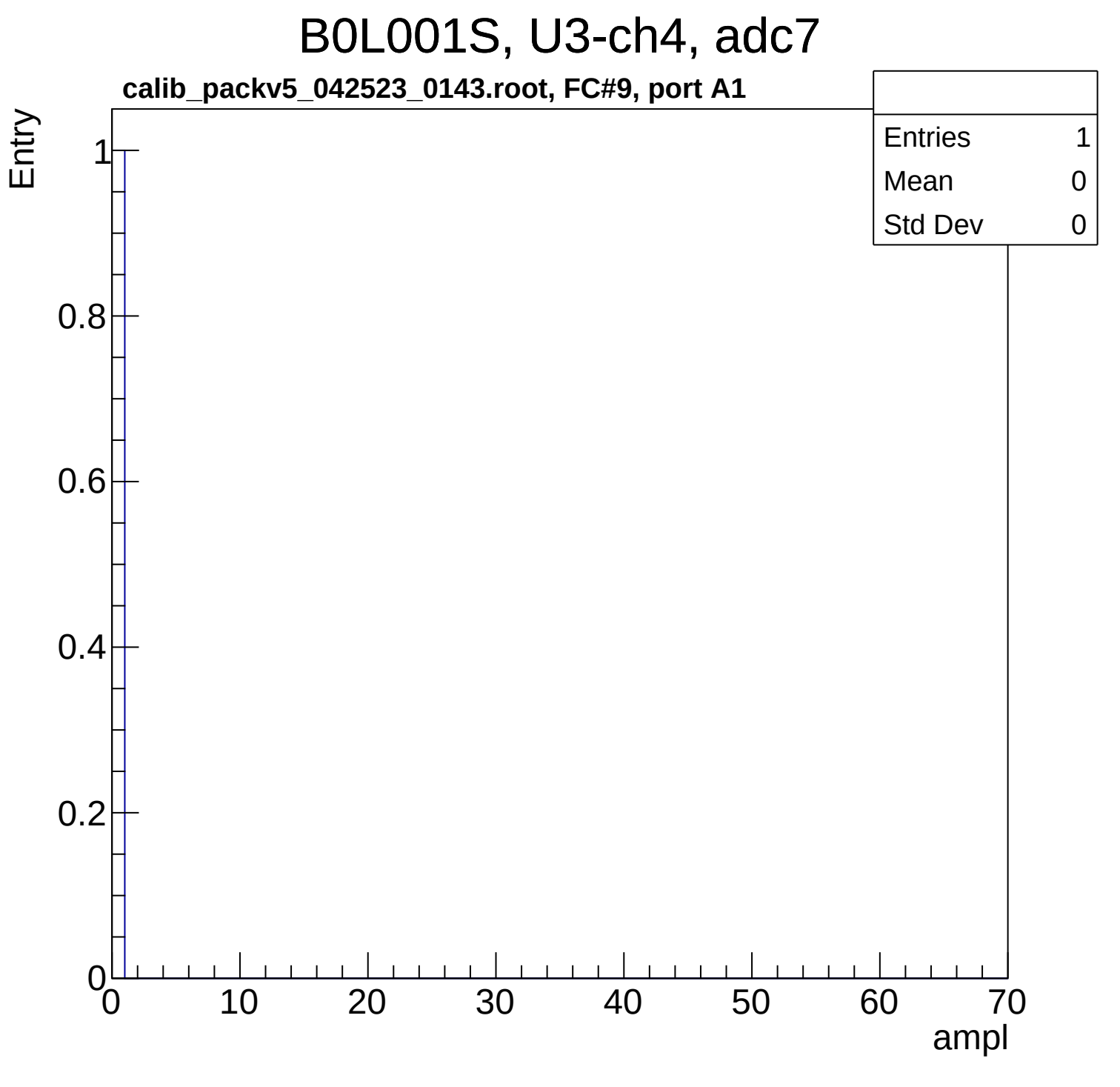
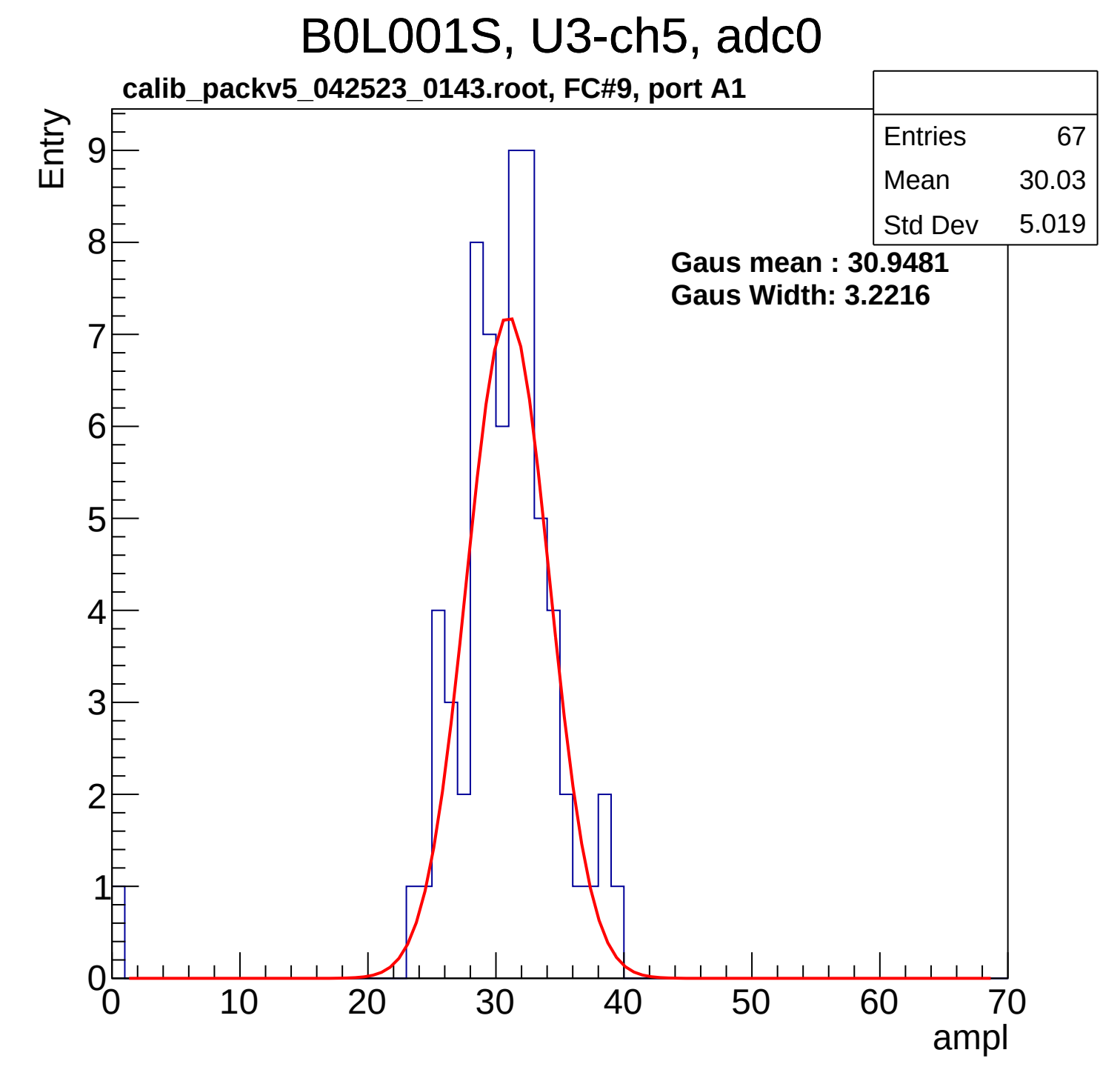
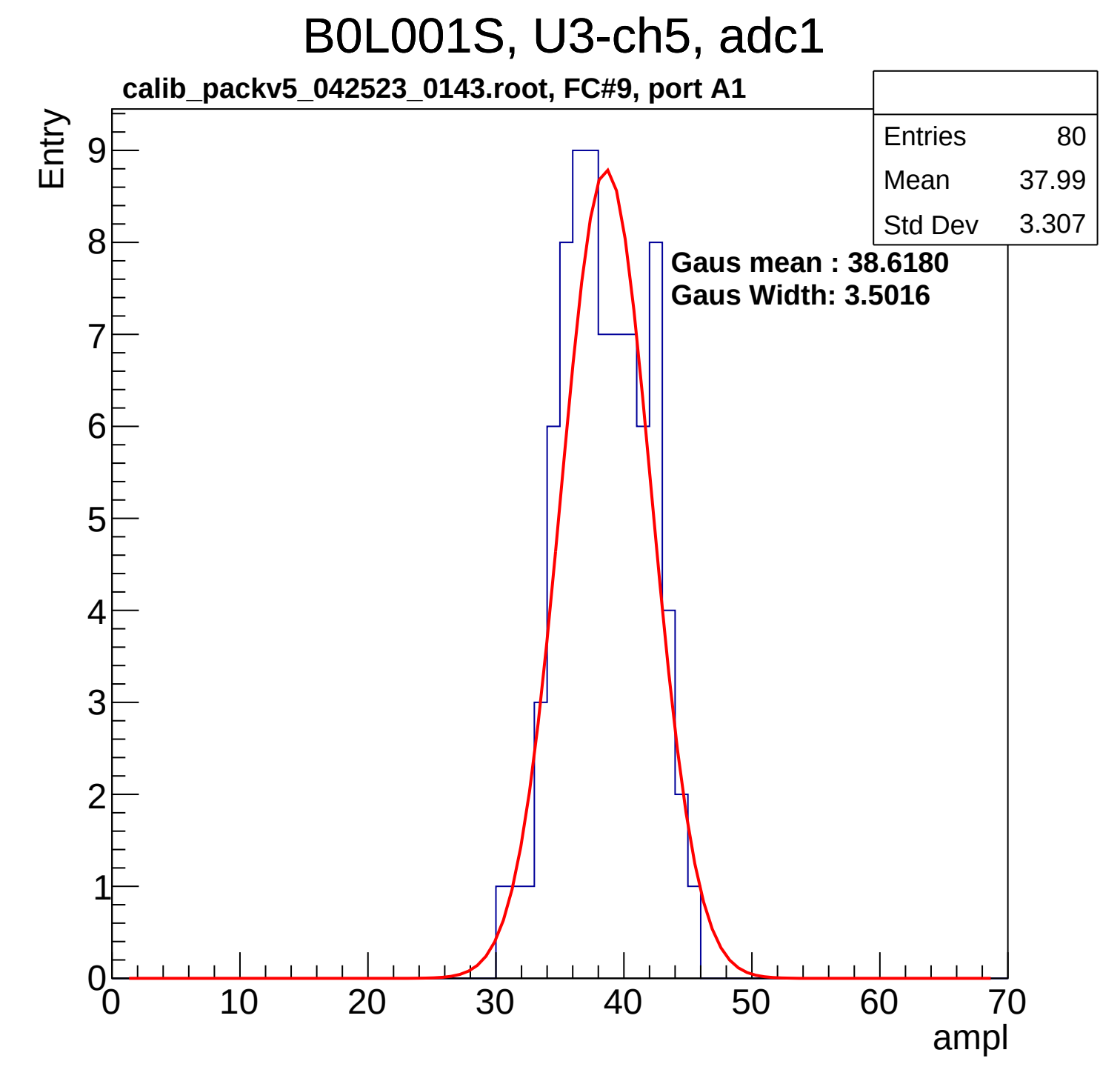

B0L001S, U3-ch4, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 62.33
Std Dev 0.4714
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch4, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch5, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 30.03
Std Dev 5.019
Gaus mean : 30.9481
Gaus Width: 3.2216
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch5, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 37.99
Std Dev 3.307
Gaus mean : 38.6180
Gaus Width: 3.5016
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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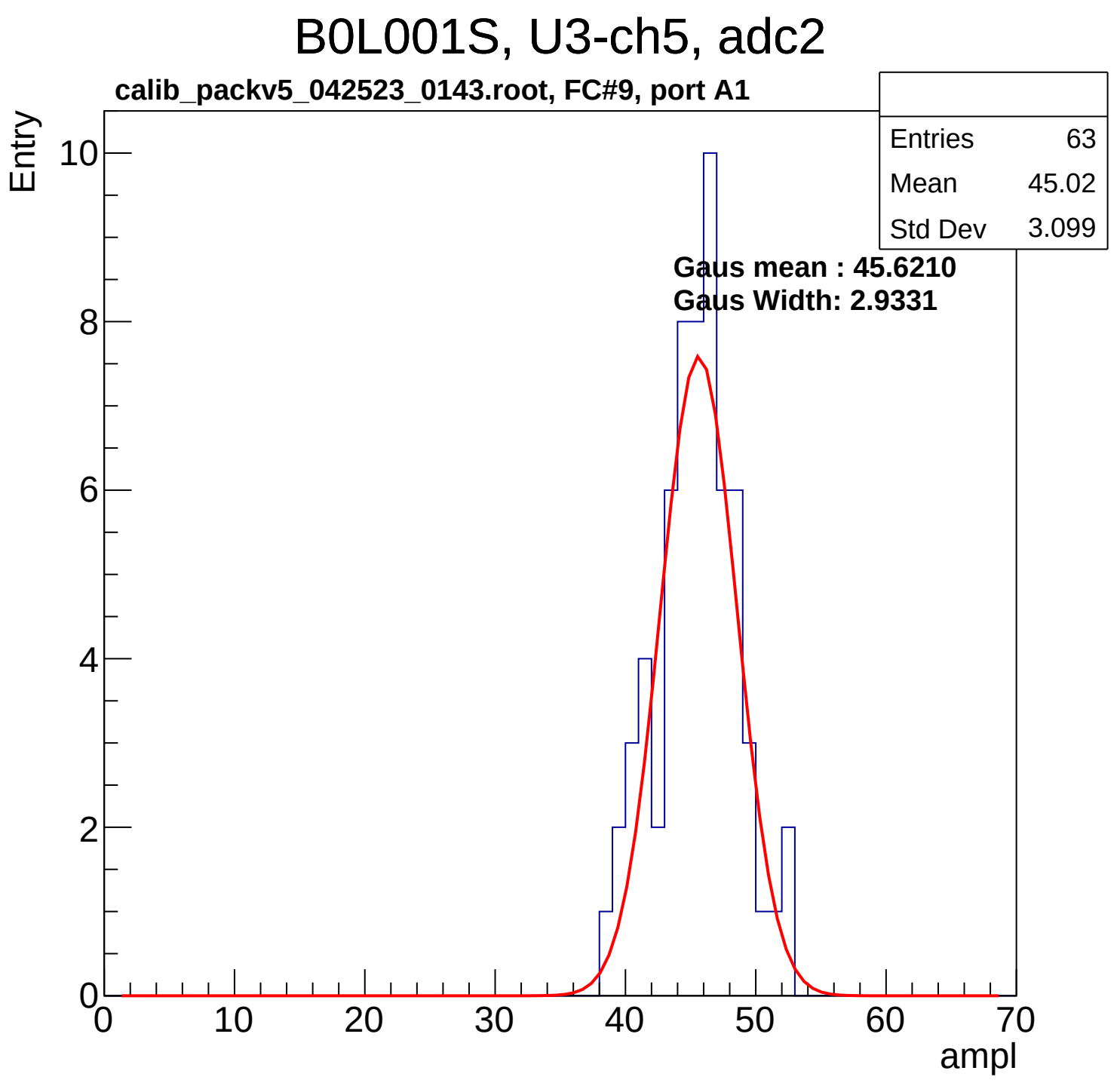
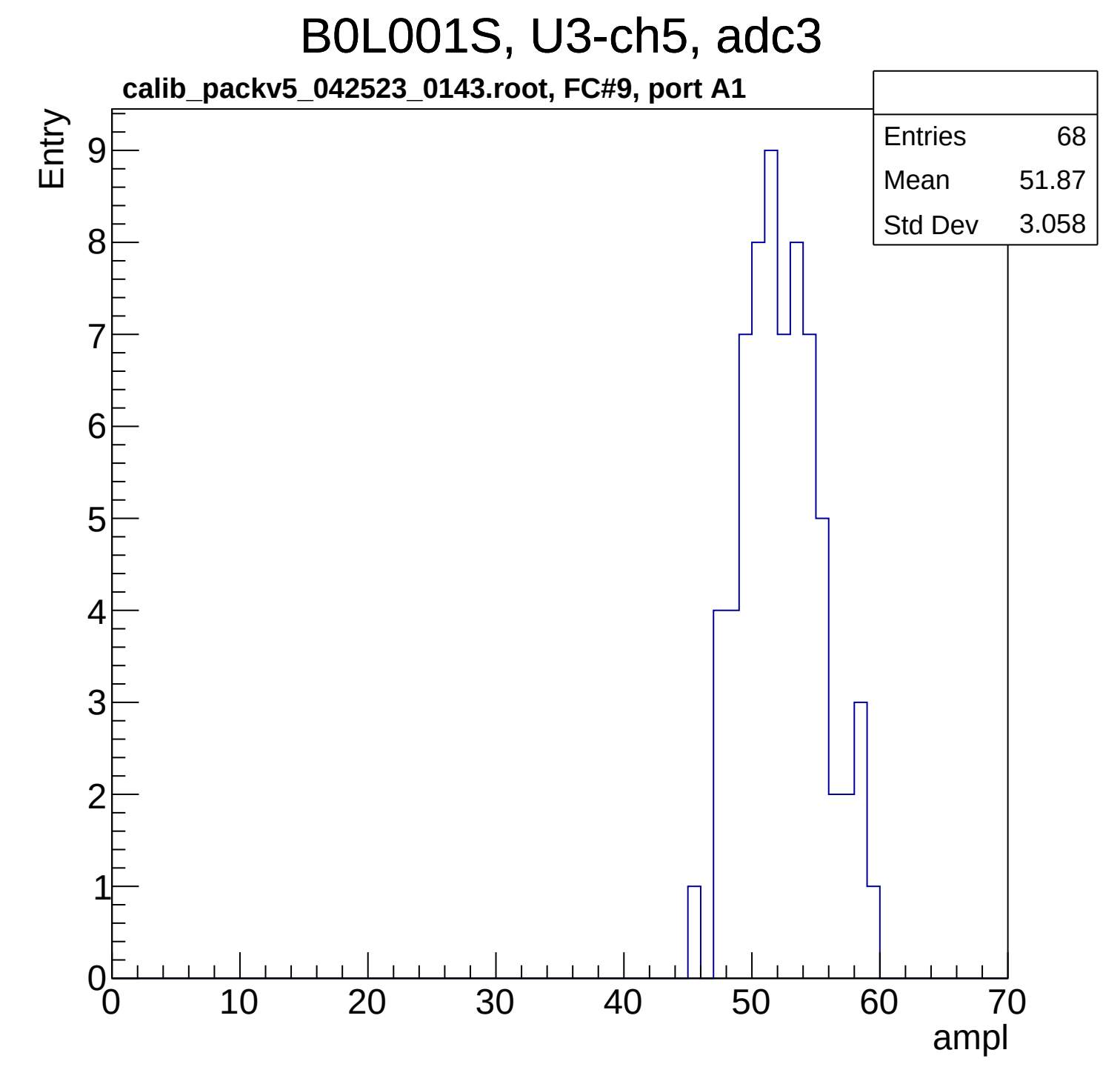

B0L001S, U3-ch5, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 45.02
Std Dev 3.099
Gaus mean : 45.6210
Gaus Width: 2.9331
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch5, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 51.87
Std Dev 3.058
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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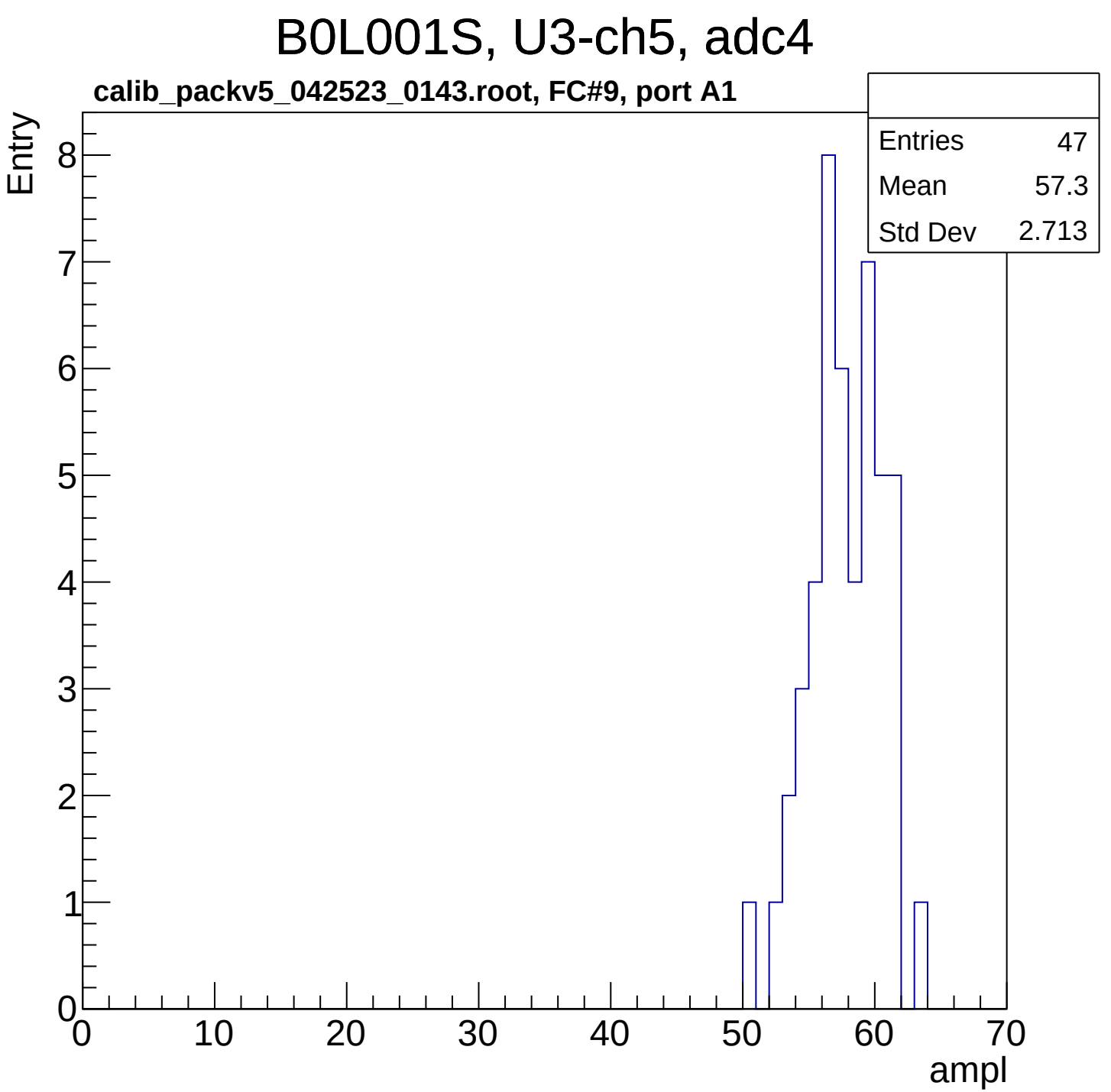
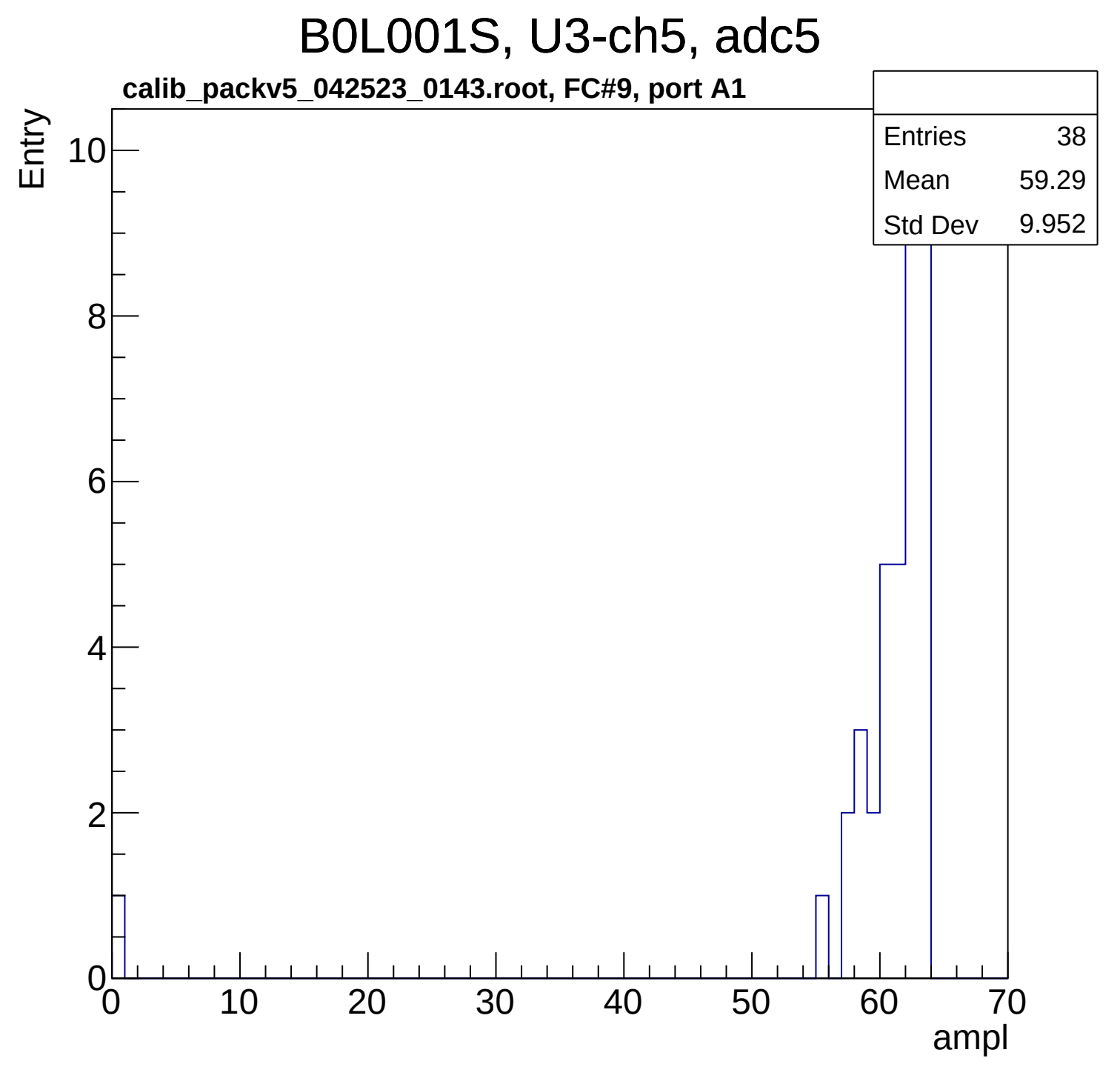
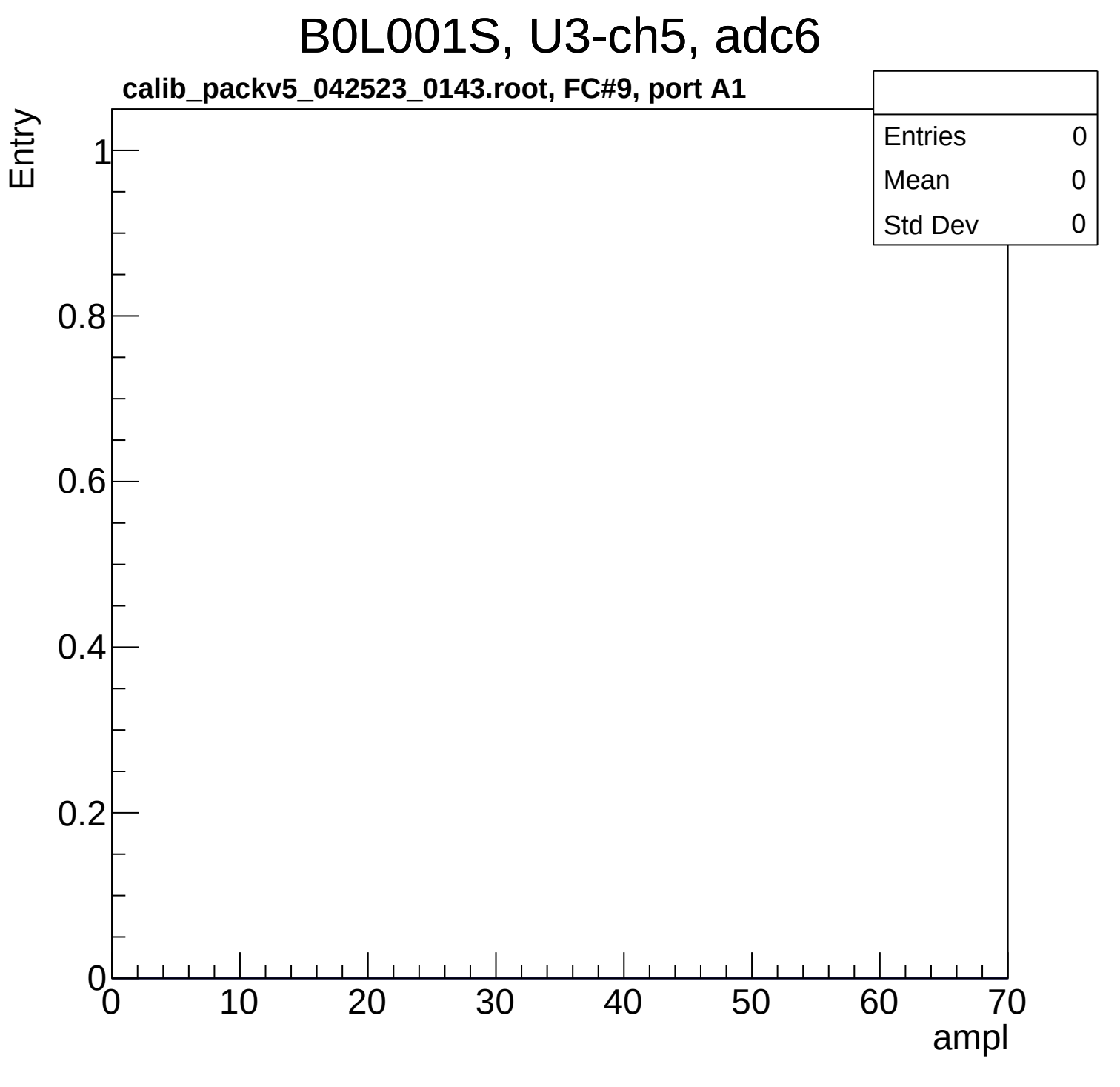

B0L001S, U3-ch5, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 57.3
Std Dev 2.713
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch5, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 59.29
Std Dev 9.952
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch5, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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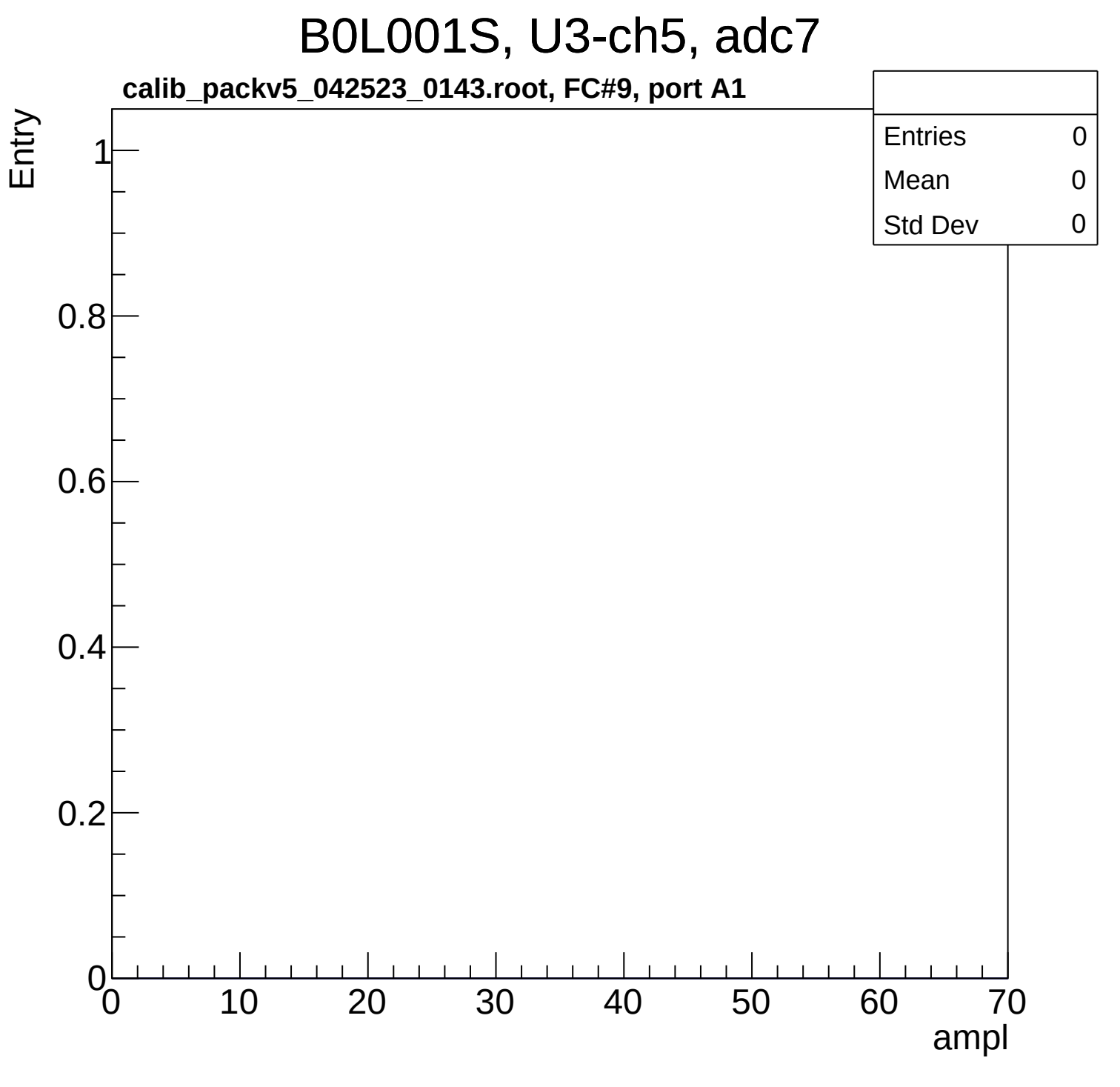
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch5, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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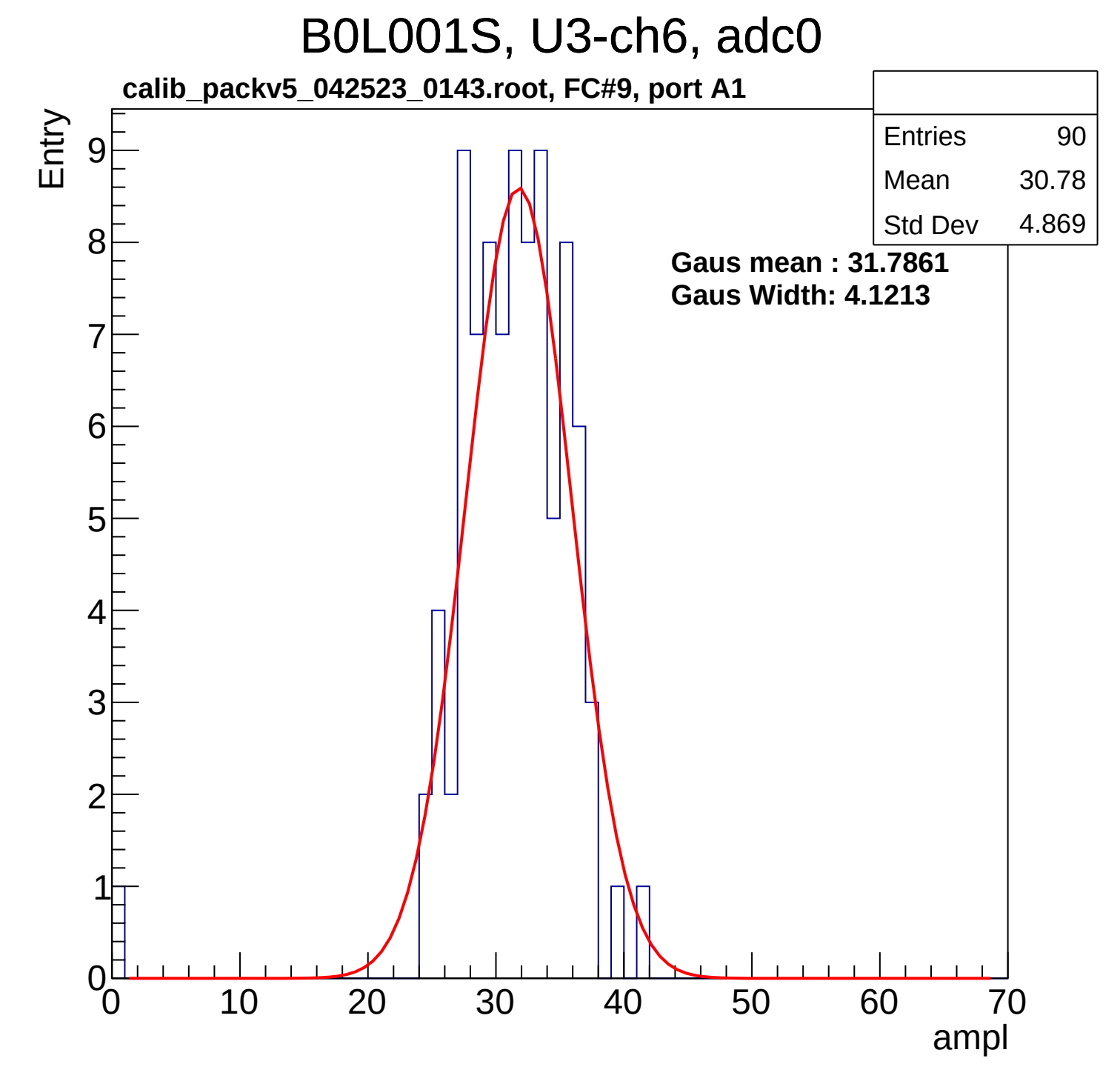
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch6, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 90
Mean 30.78
Std Dev 4.869
Gaus mean : 31.7861
Gaus Width: 4.1213
Entry
ampl
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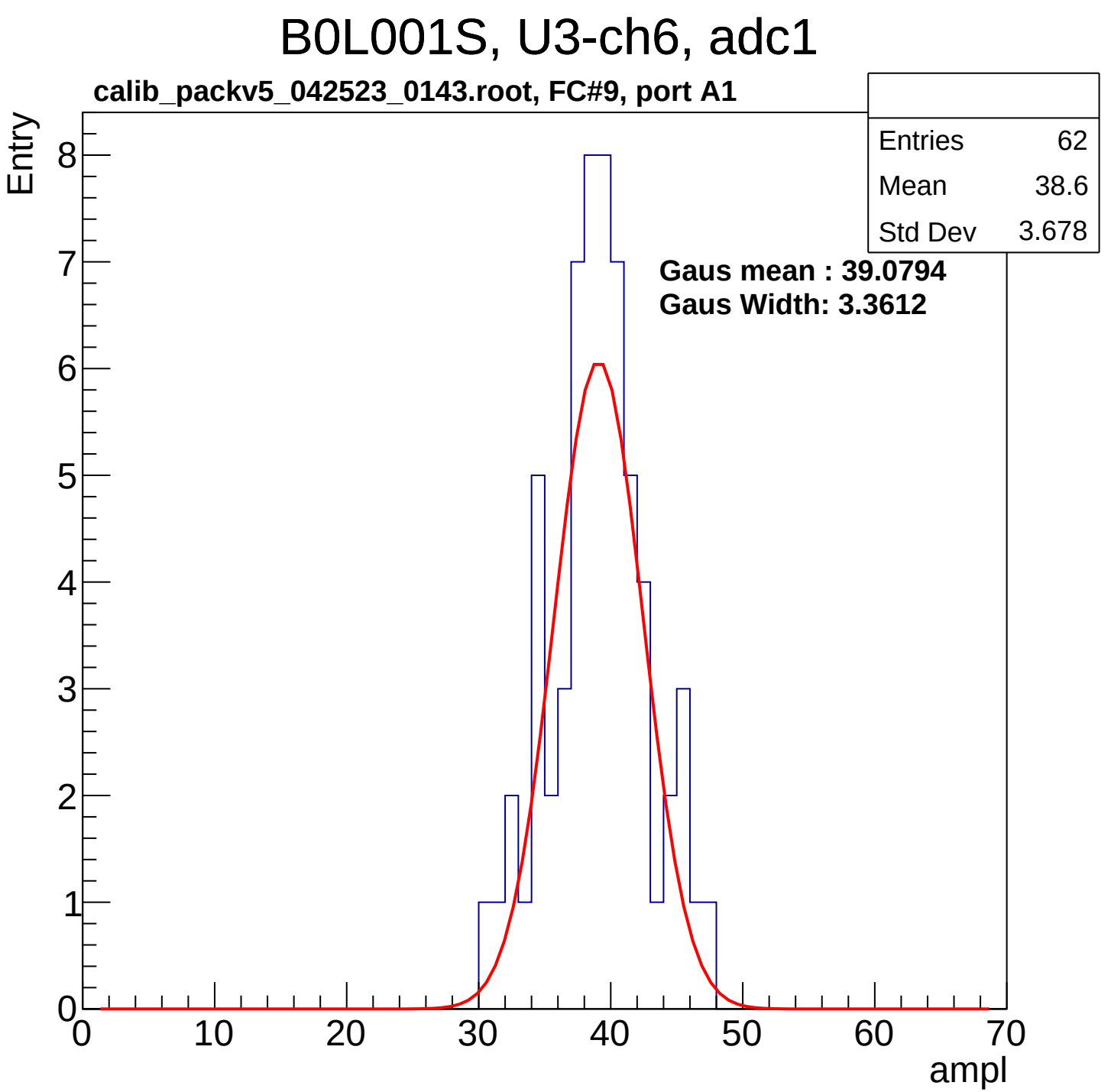
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch6, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 38.6
Std Dev 3.678
Gaus mean : 39.0794
Gaus Width: 3.3612
Entry
ampl
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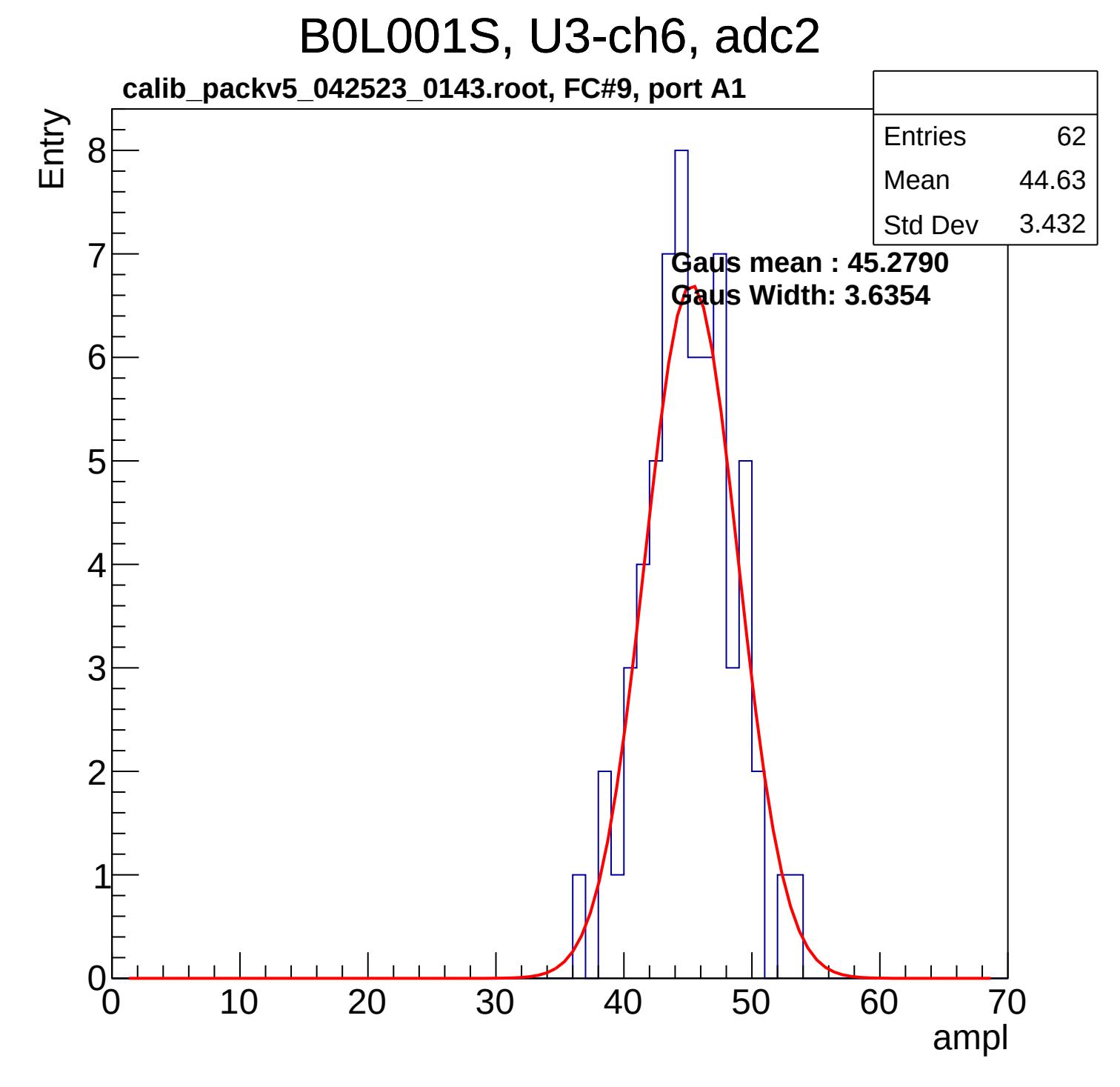
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch6, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 44.63
Std Dev 3.432
Gaus mean : 45.2790
Gaus Width: 3.6354
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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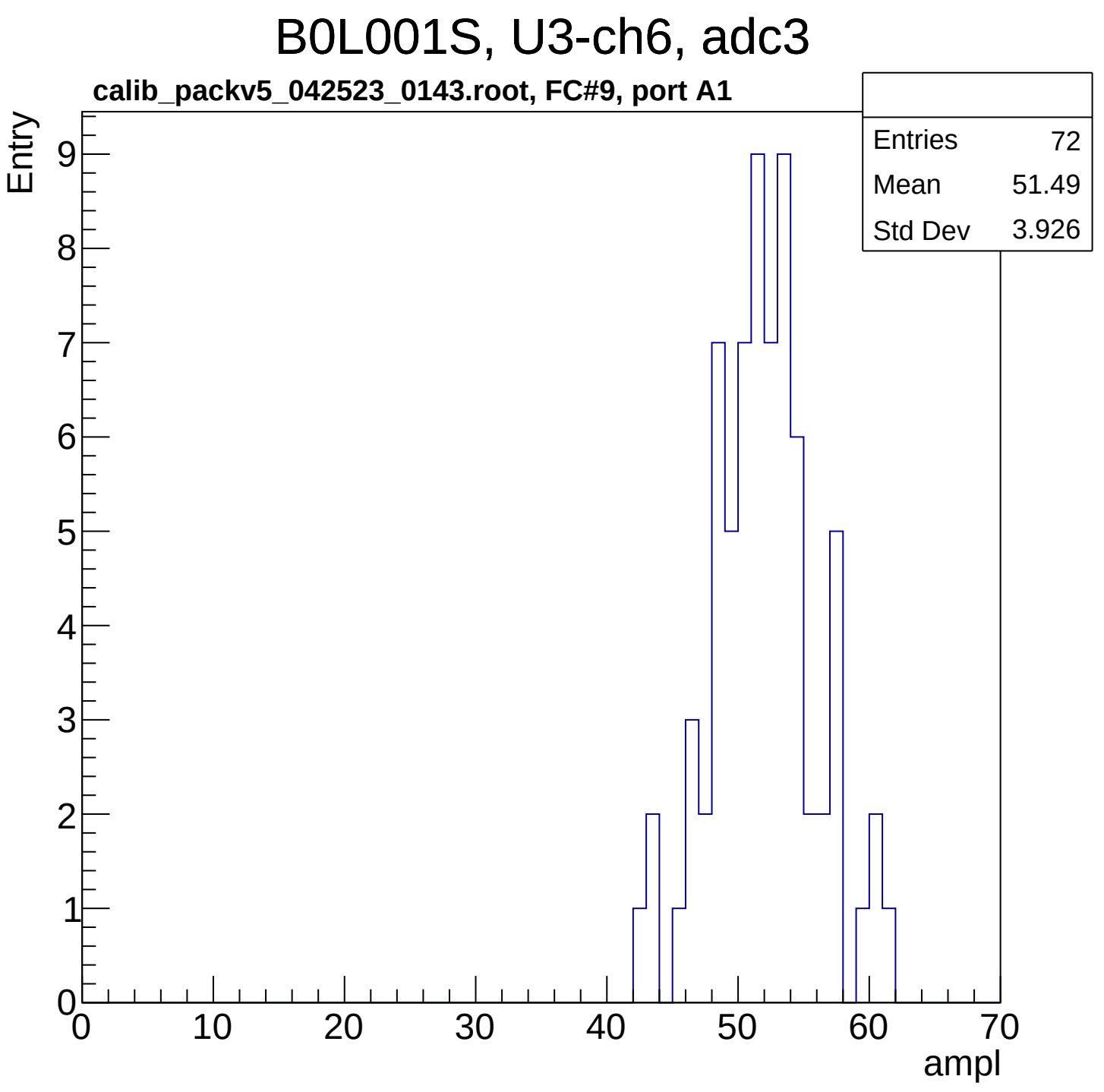
B0L001S, U3-ch6, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 51.49
Std Dev 3.926
Entry
ampl
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3
4
5
6
7
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0
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60
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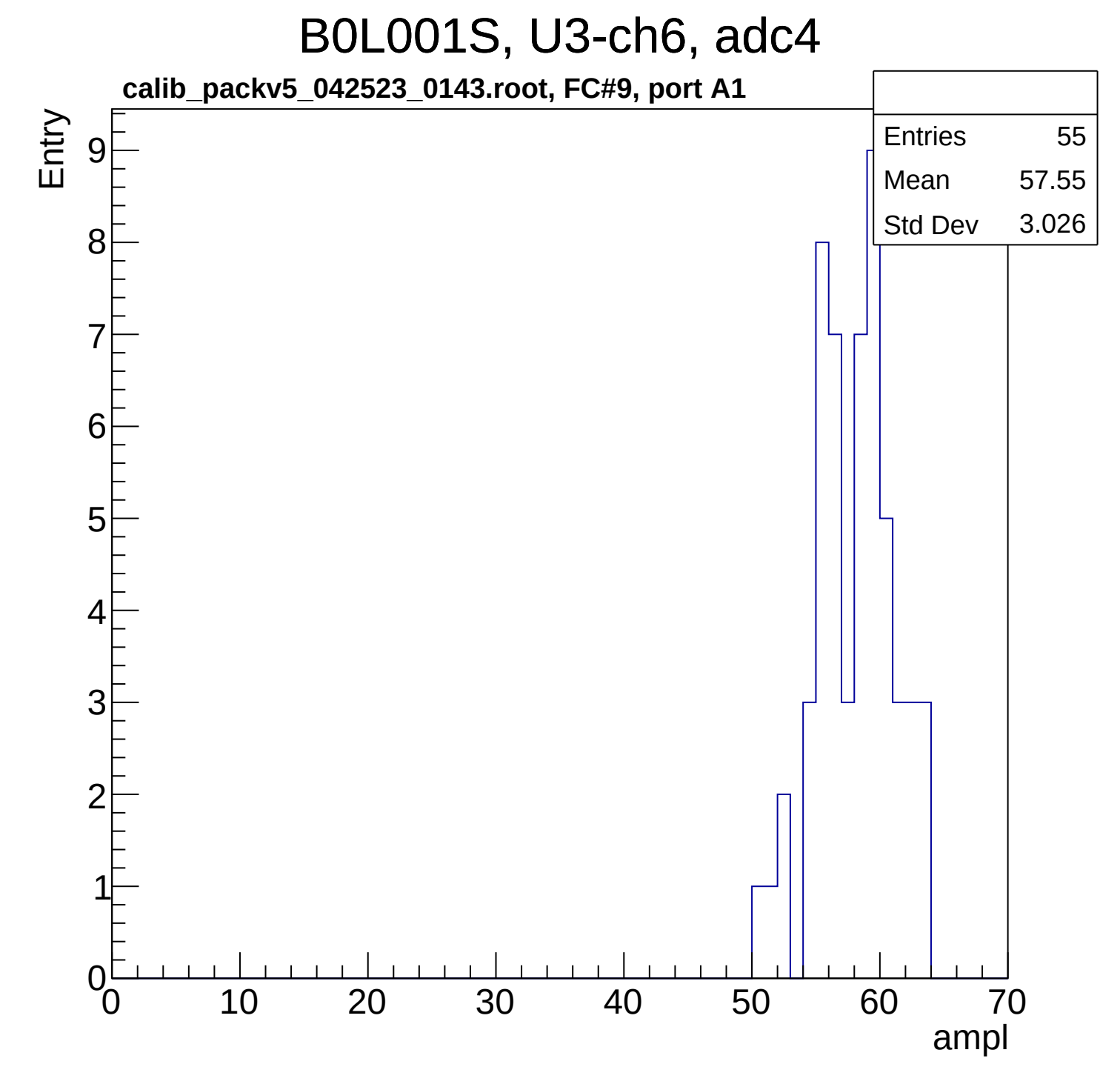
B0L001S, U3-ch6, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 57.55
Std Dev 3.026
Entry
ampl
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3
4
5
6
7
8
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0
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60
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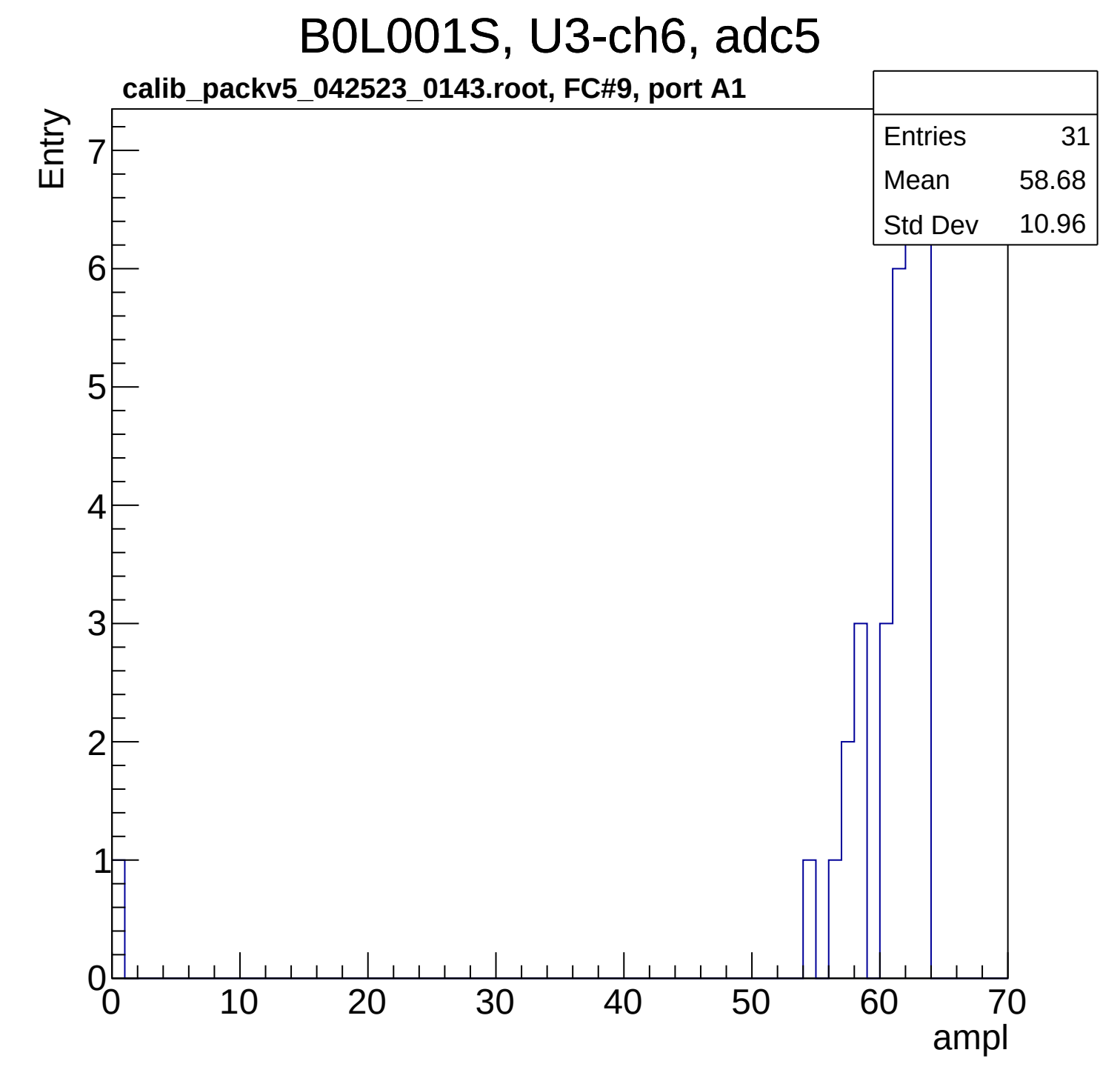
B0L001S, U3-ch6, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 31
Mean 58.68
Std Dev 10.96
Entry
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1
2
3
4
5
6
7
0
10
20
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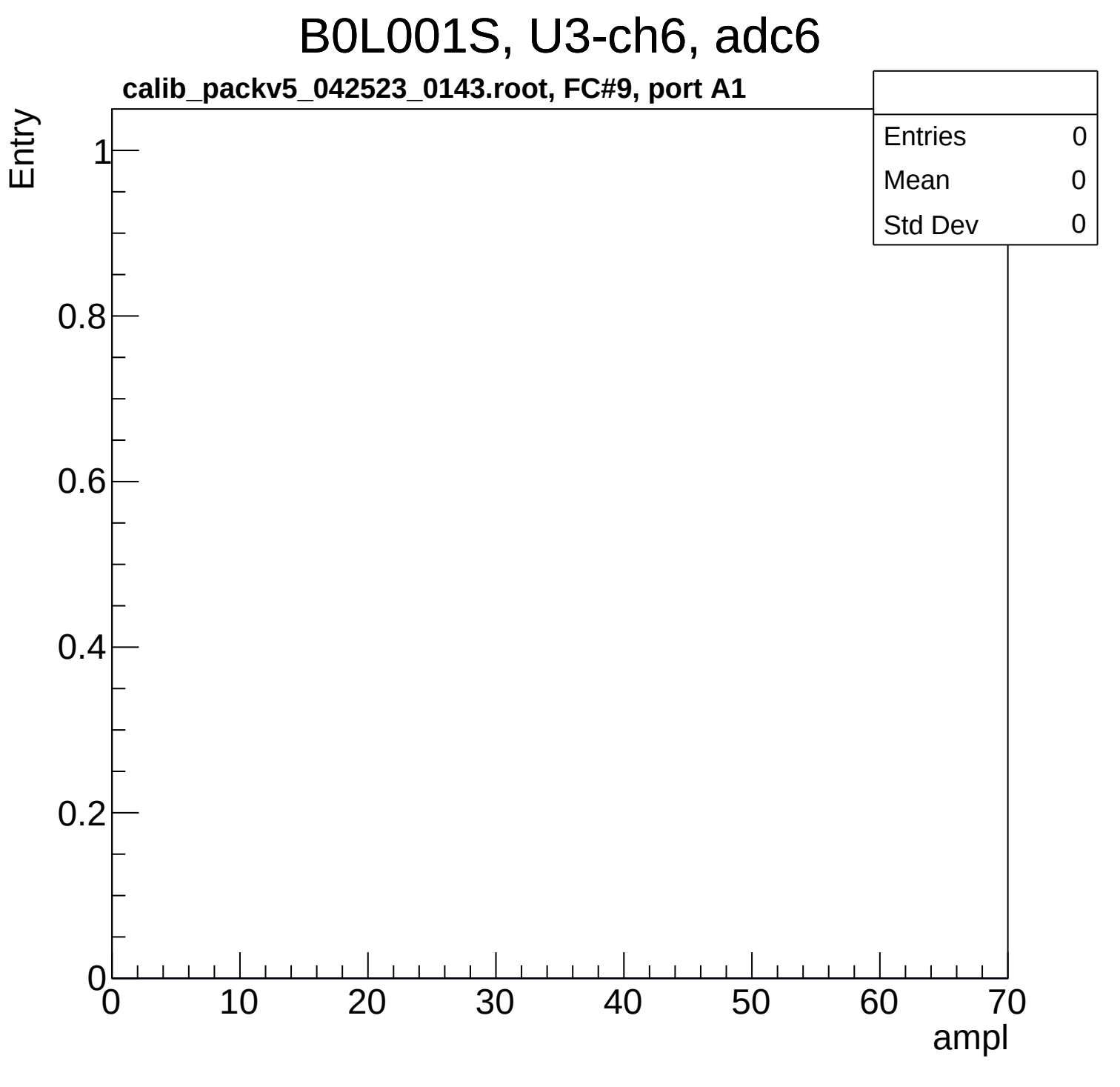
50
60
70
ampl


B0L001S, U3-ch6, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
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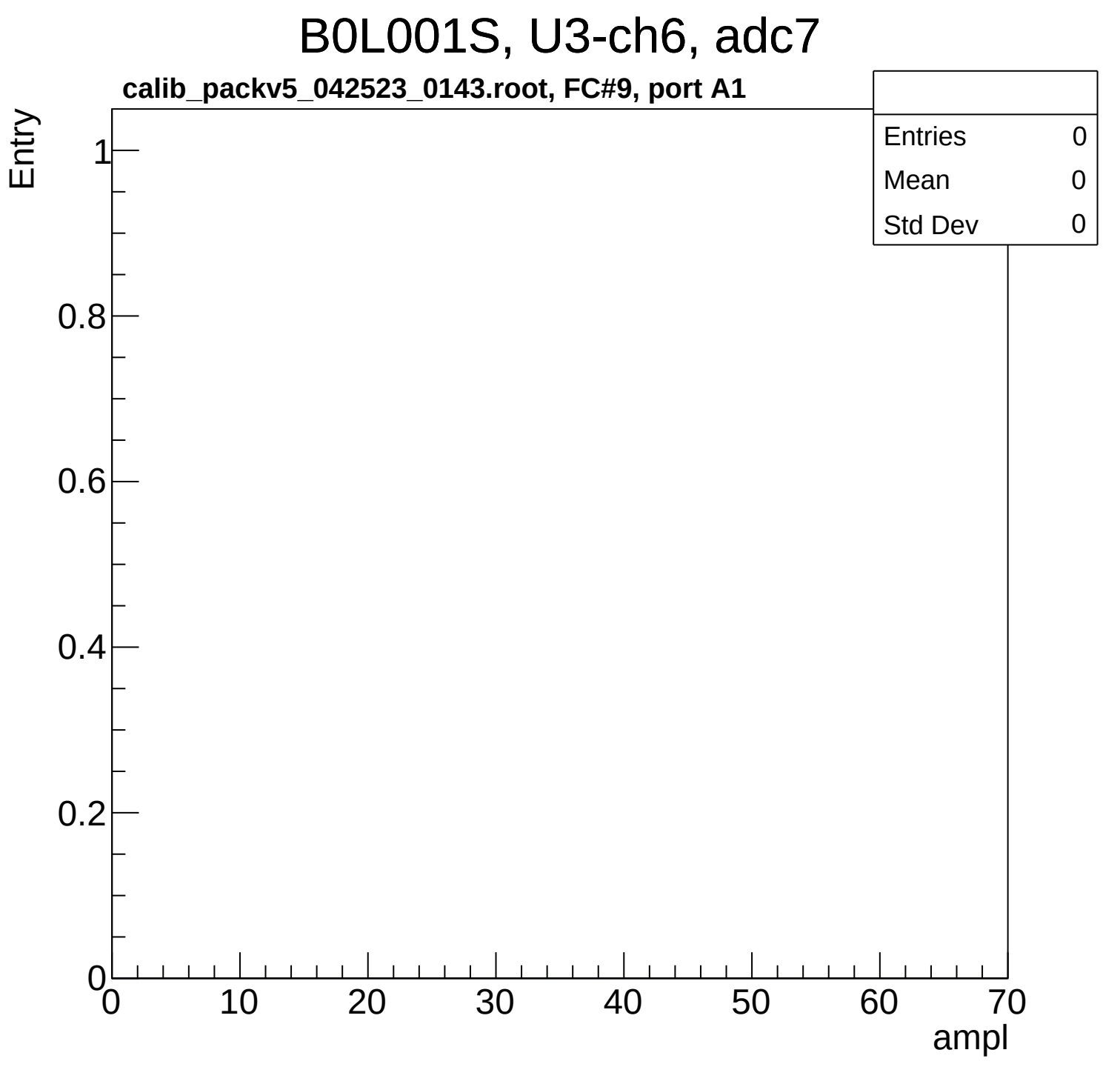
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch6, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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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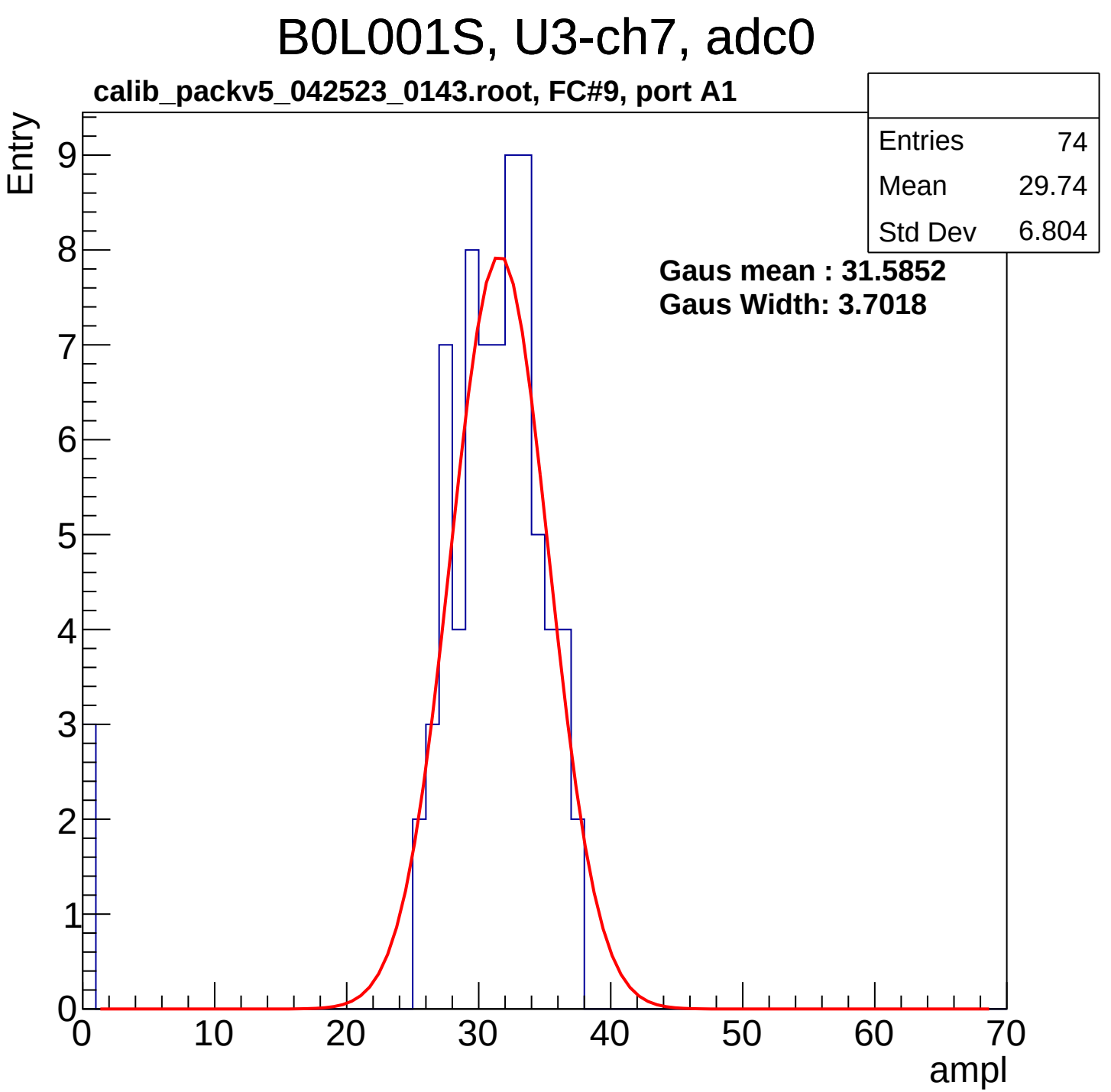
50
60
70
ampl


B0L001S, U3-ch7, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 29.74
Std Dev 6.804
Gaus mean : 31.5852
Gaus Width: 3.7018
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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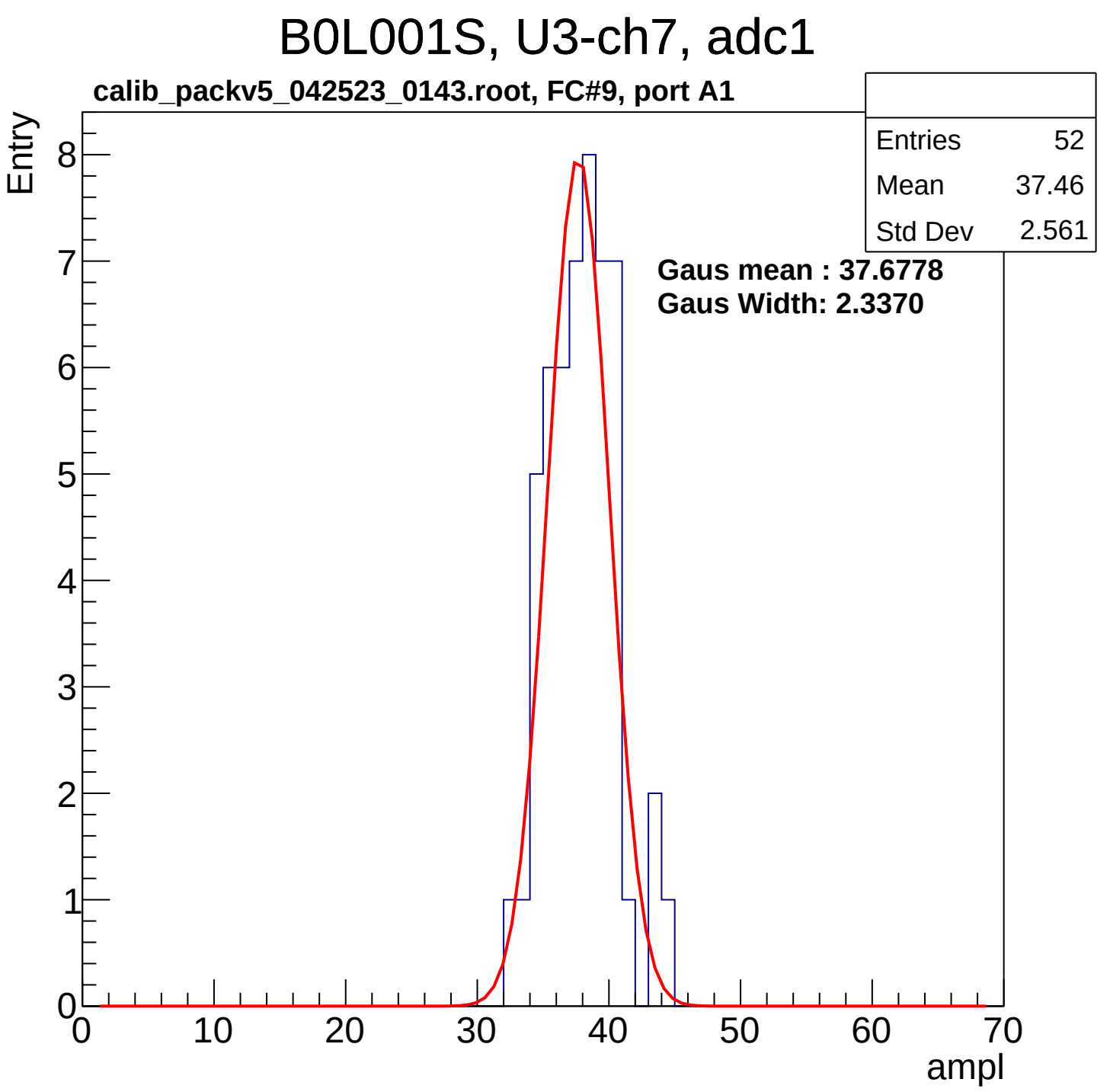
B0L001S, U3-ch7, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 37.46
Std Dev 2.561
Gaus mean : 37.6778
Gaus Width: 2.3370
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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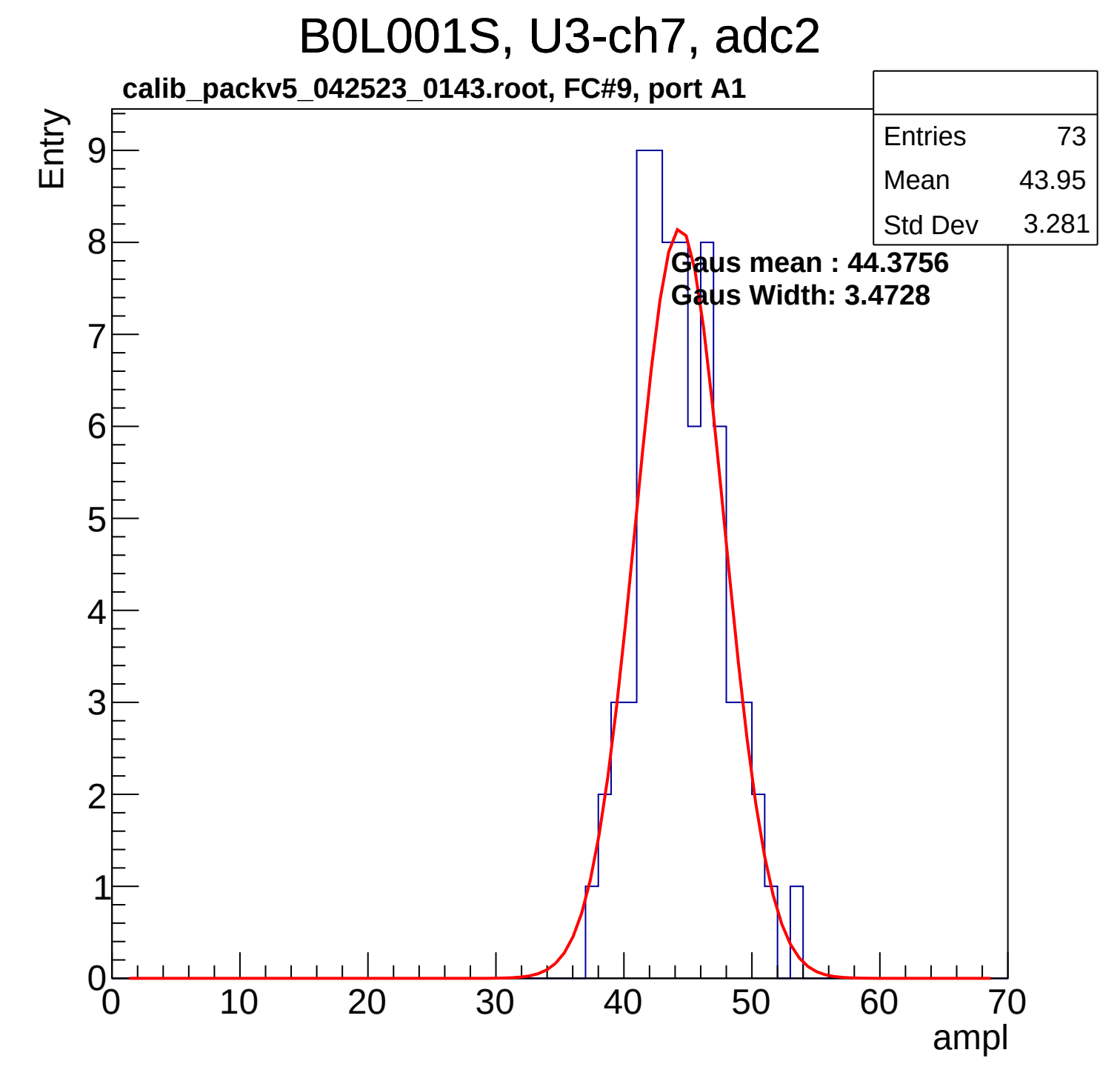
B0L001S, U3-ch7, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 43.95
Std Dev 3.281
Gaus mean : 44.3756
Gaus Width: 3.4728
Entry
ampl
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2
3
4
5
6
7
8
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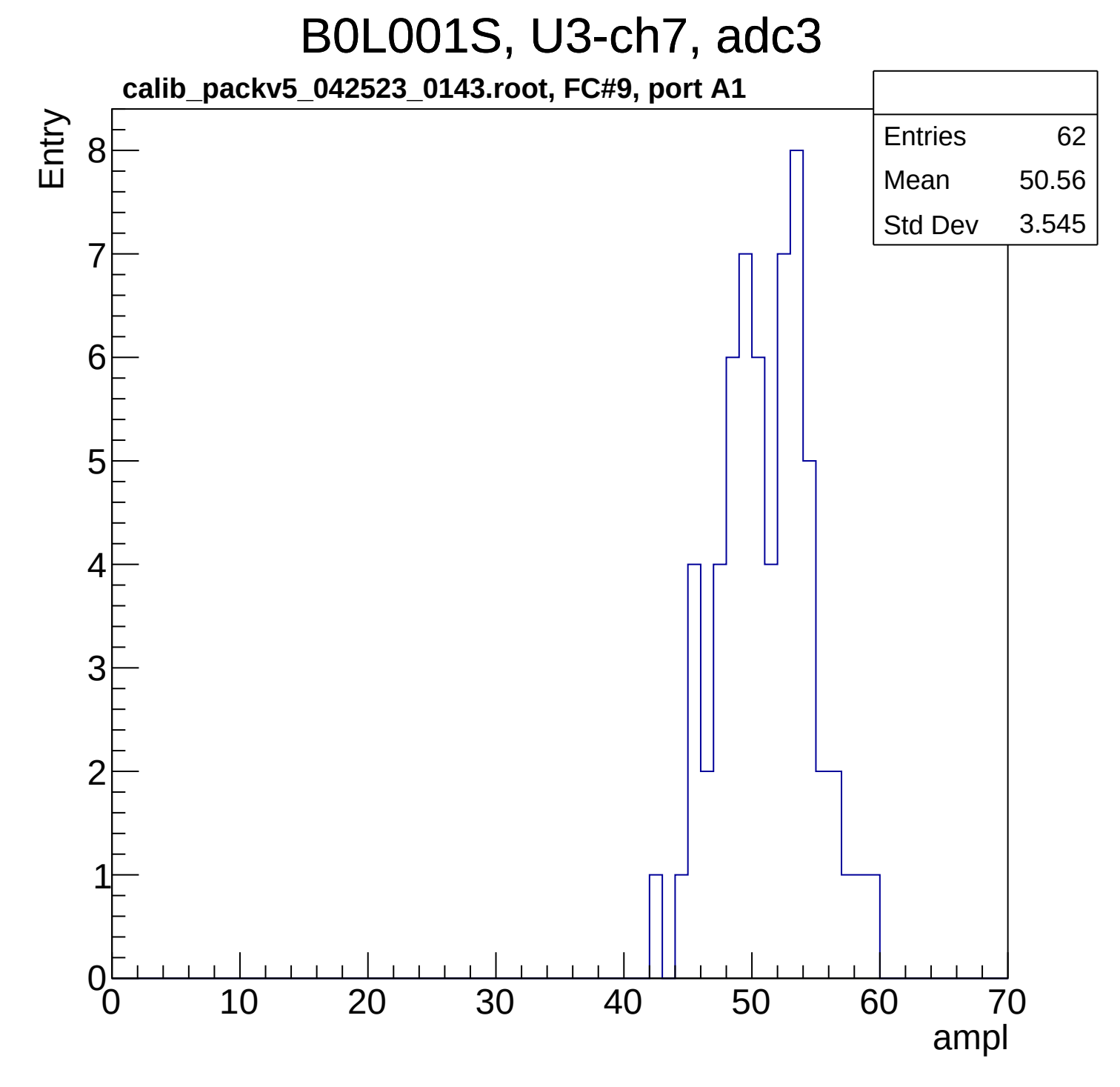
B0L001S, U3-ch7, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 50.56
Std Dev 3.545
Entry
ampl
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2
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4
5
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7
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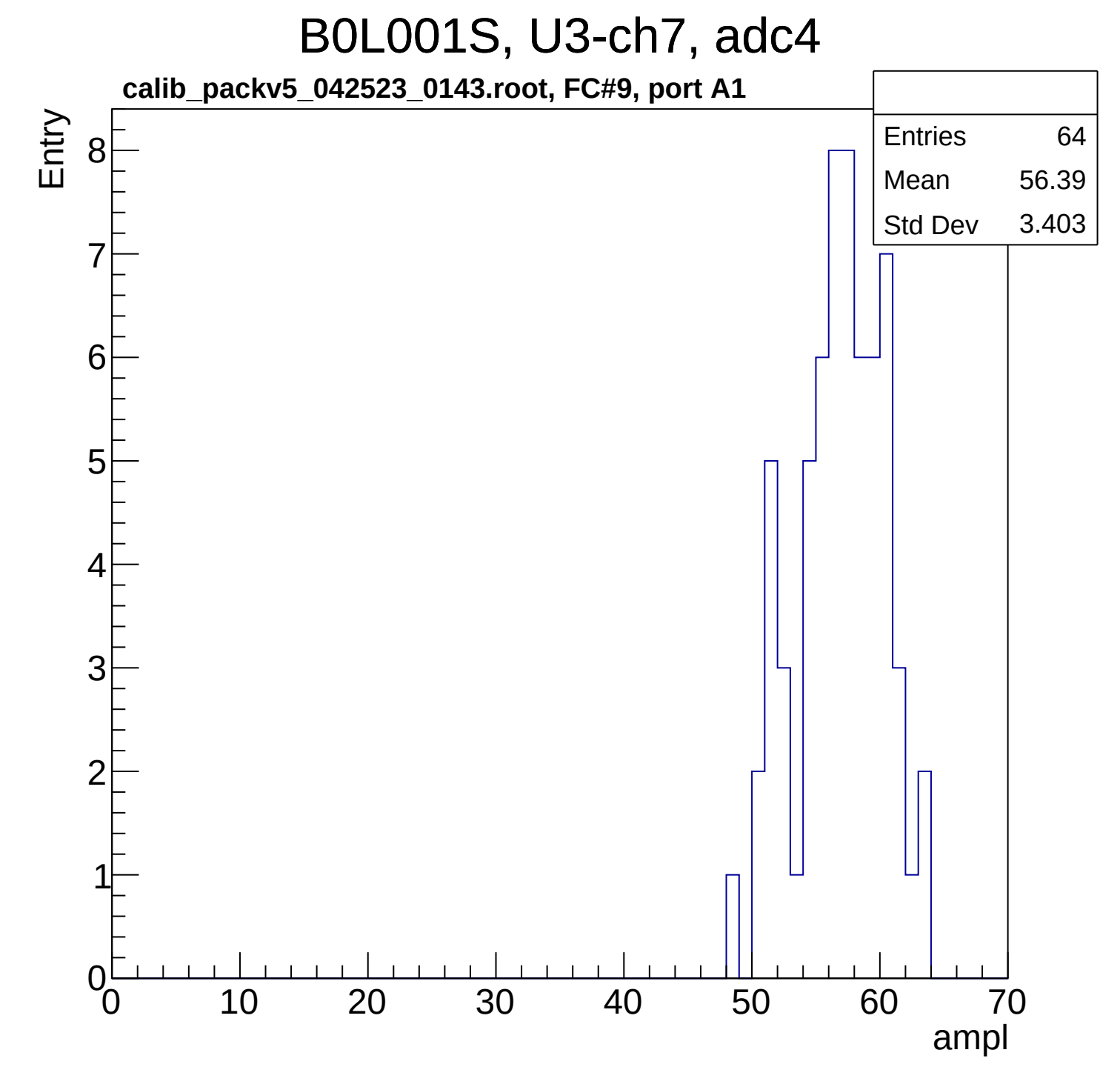
B0L001S, U3-ch7, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 56.39
Std Dev 3.403
Entry
ampl
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2
3
4
5
6
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0
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40
50
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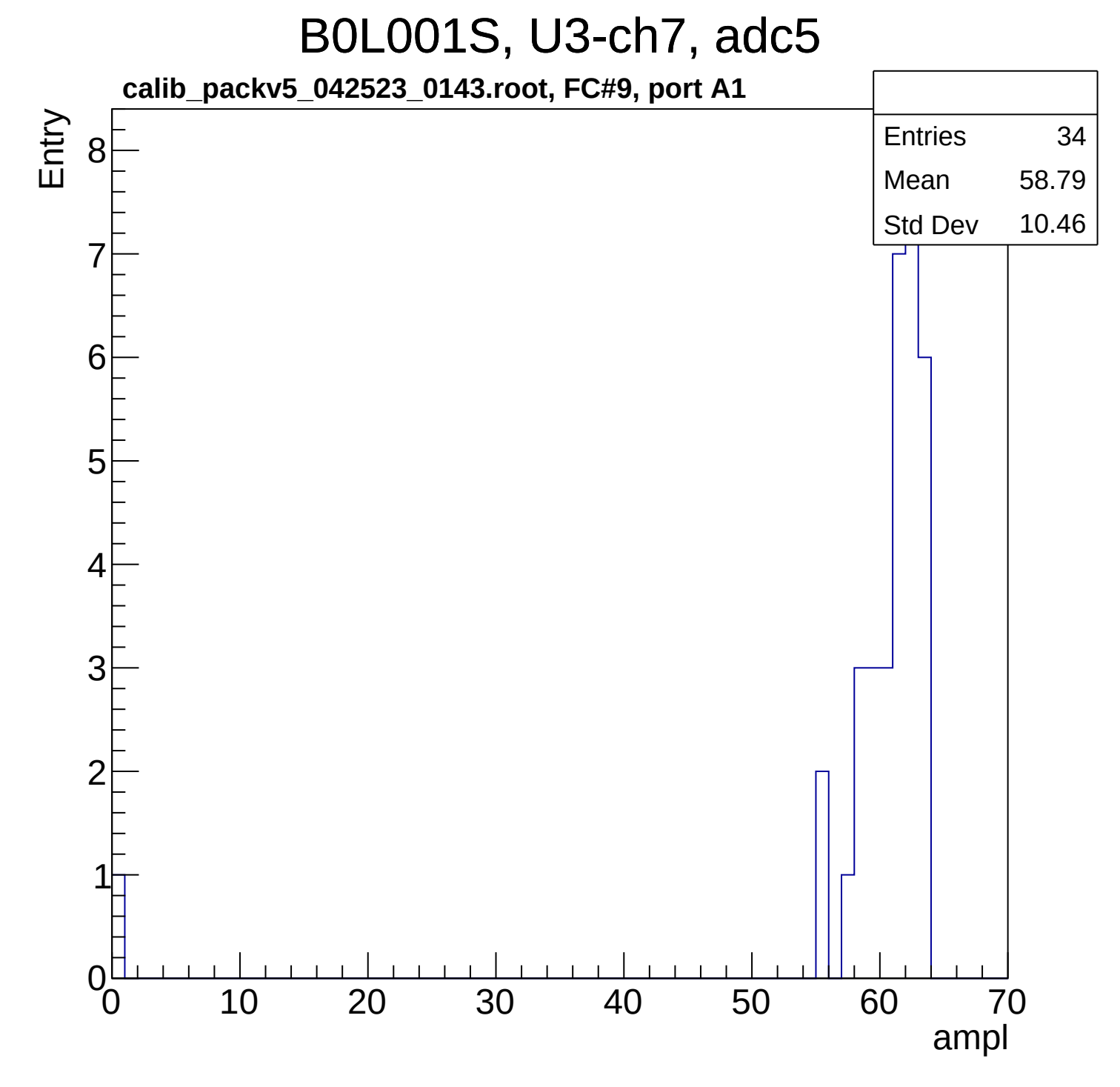
B0L001S, U3-ch7, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 34
Mean 58.79
Std Dev 10.46
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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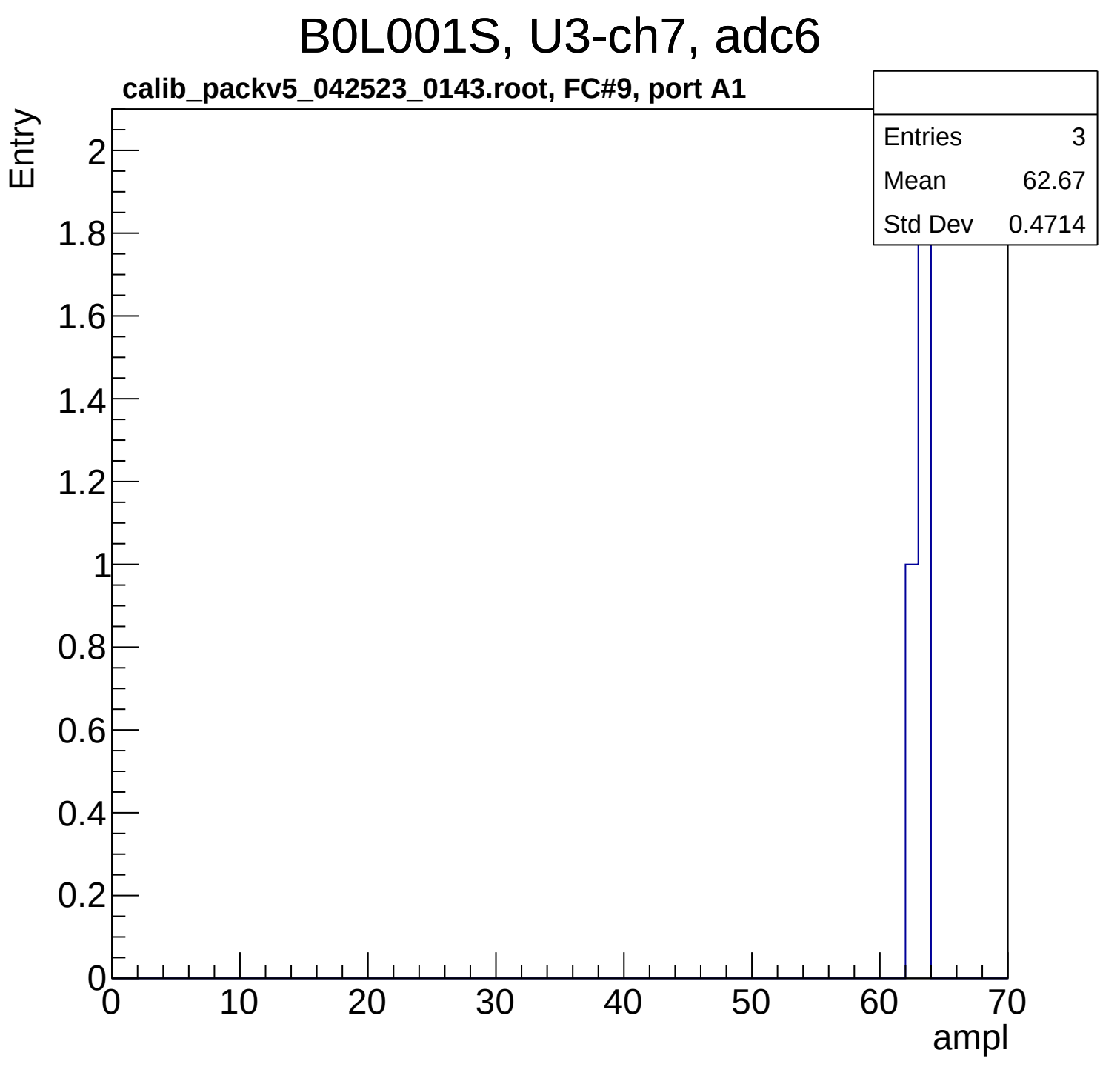
40
50
60
70


B0L001S, U3-ch7, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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
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60
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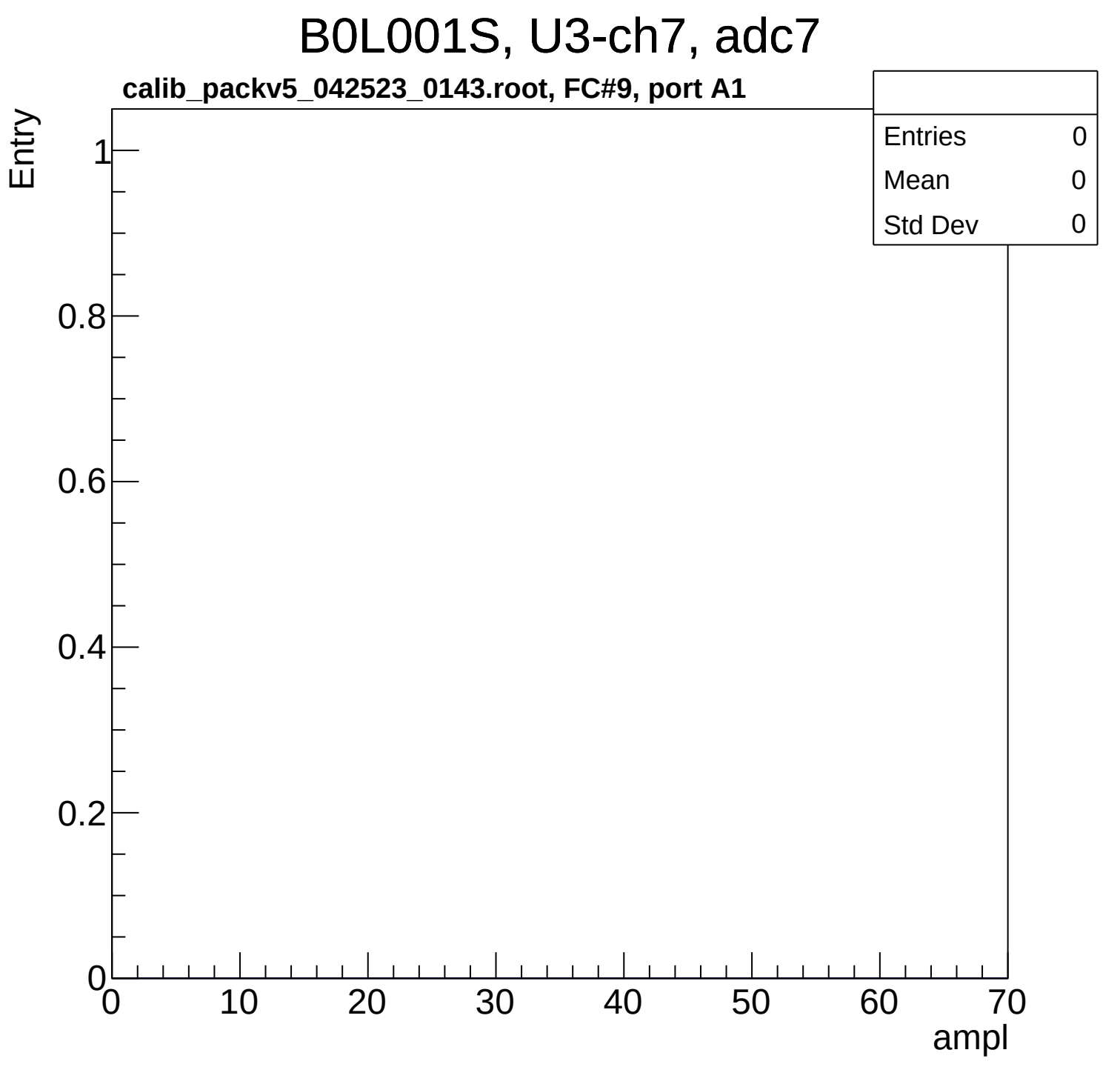
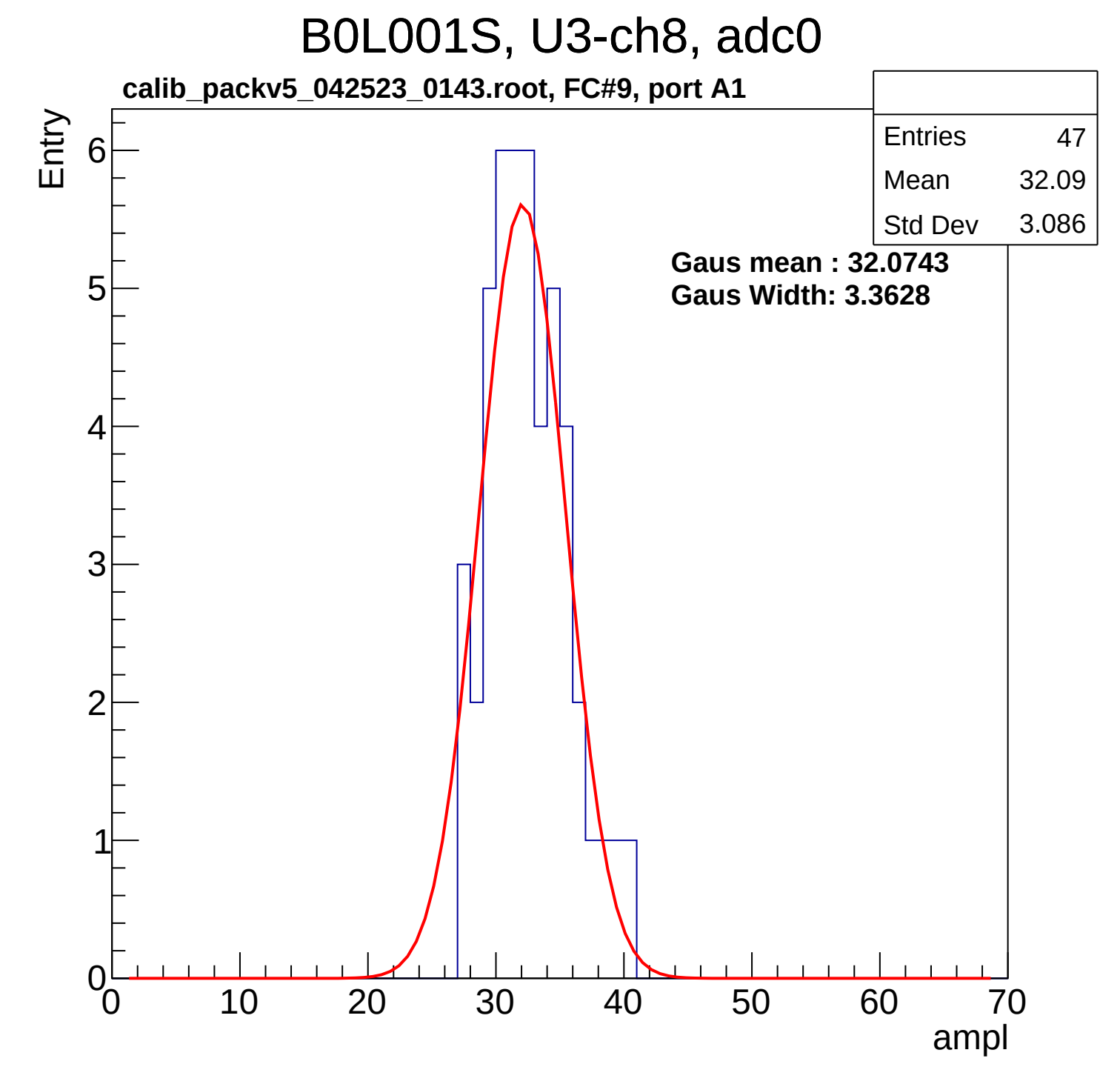
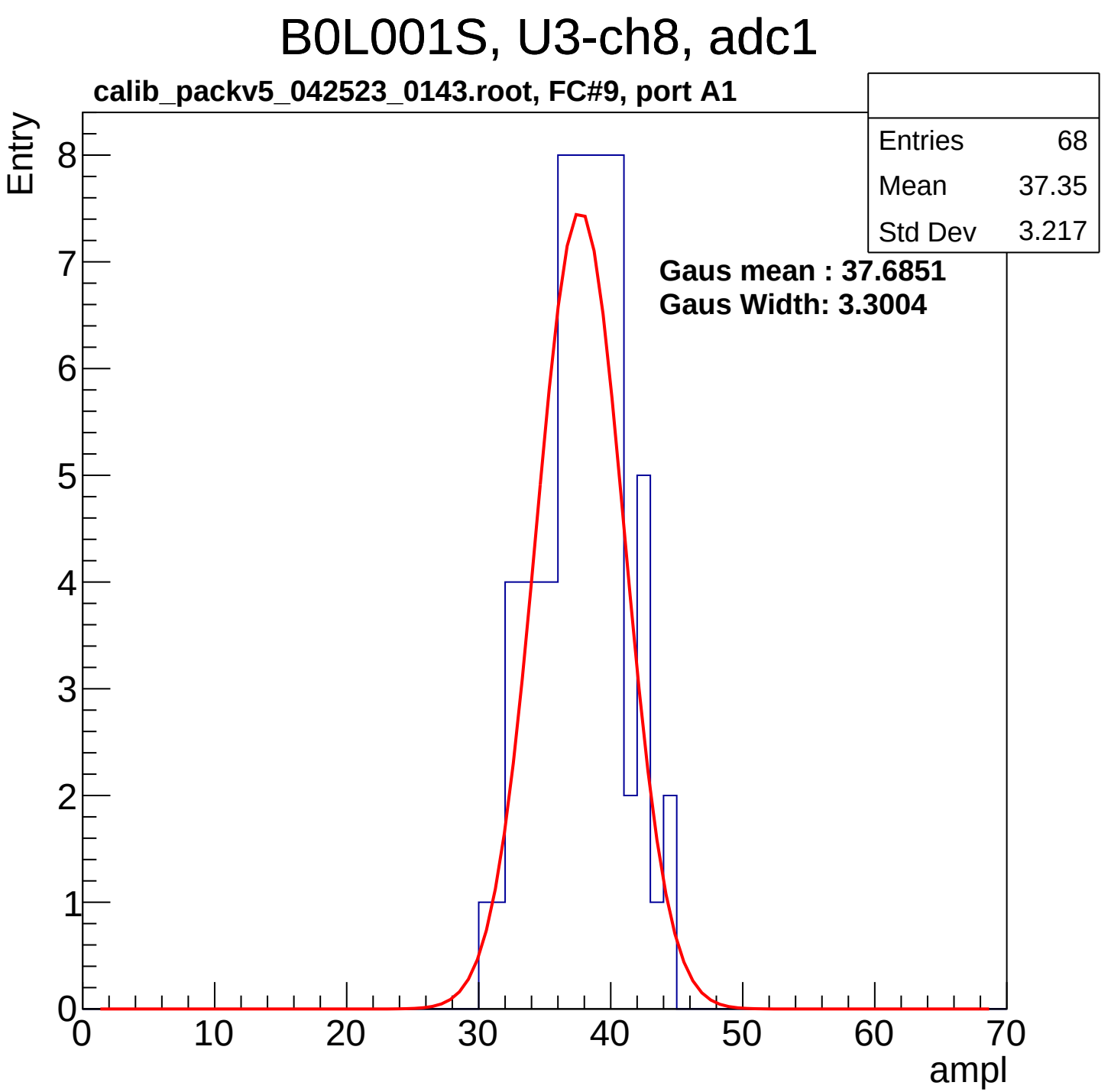

B0L001S, U3-ch7, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch8, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 32.09
Std Dev 3.086
Gaus mean : 32.0743
Gaus Width: 3.3628
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch8, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 37.35
Std Dev 3.217
Gaus mean : 37.6851
Gaus Width: 3.3004
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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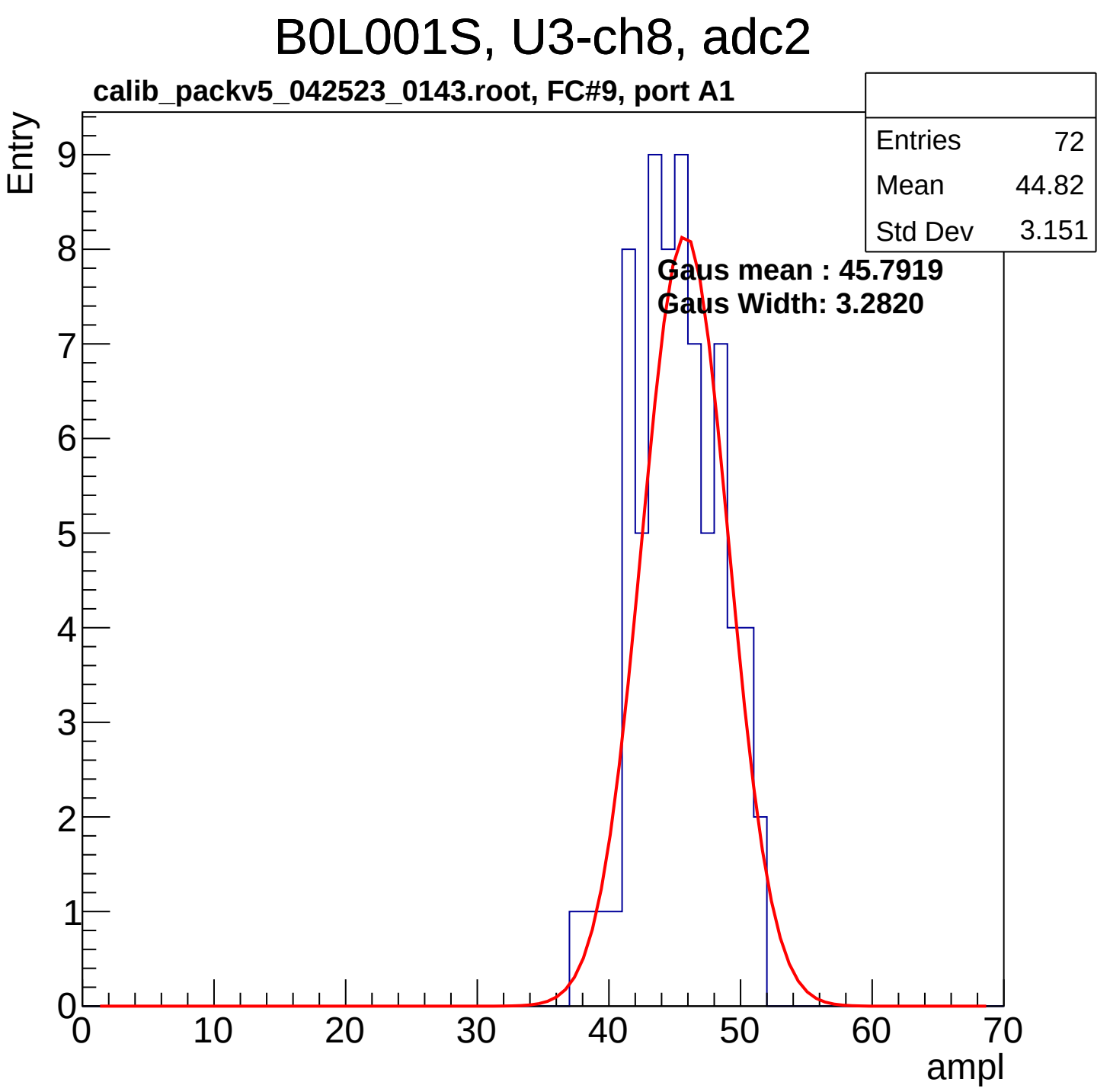
B0L001S, U3-ch8, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 44.82
Std Dev 3.151
Gaus mean : 45.7919
Gaus Width: 3.2820
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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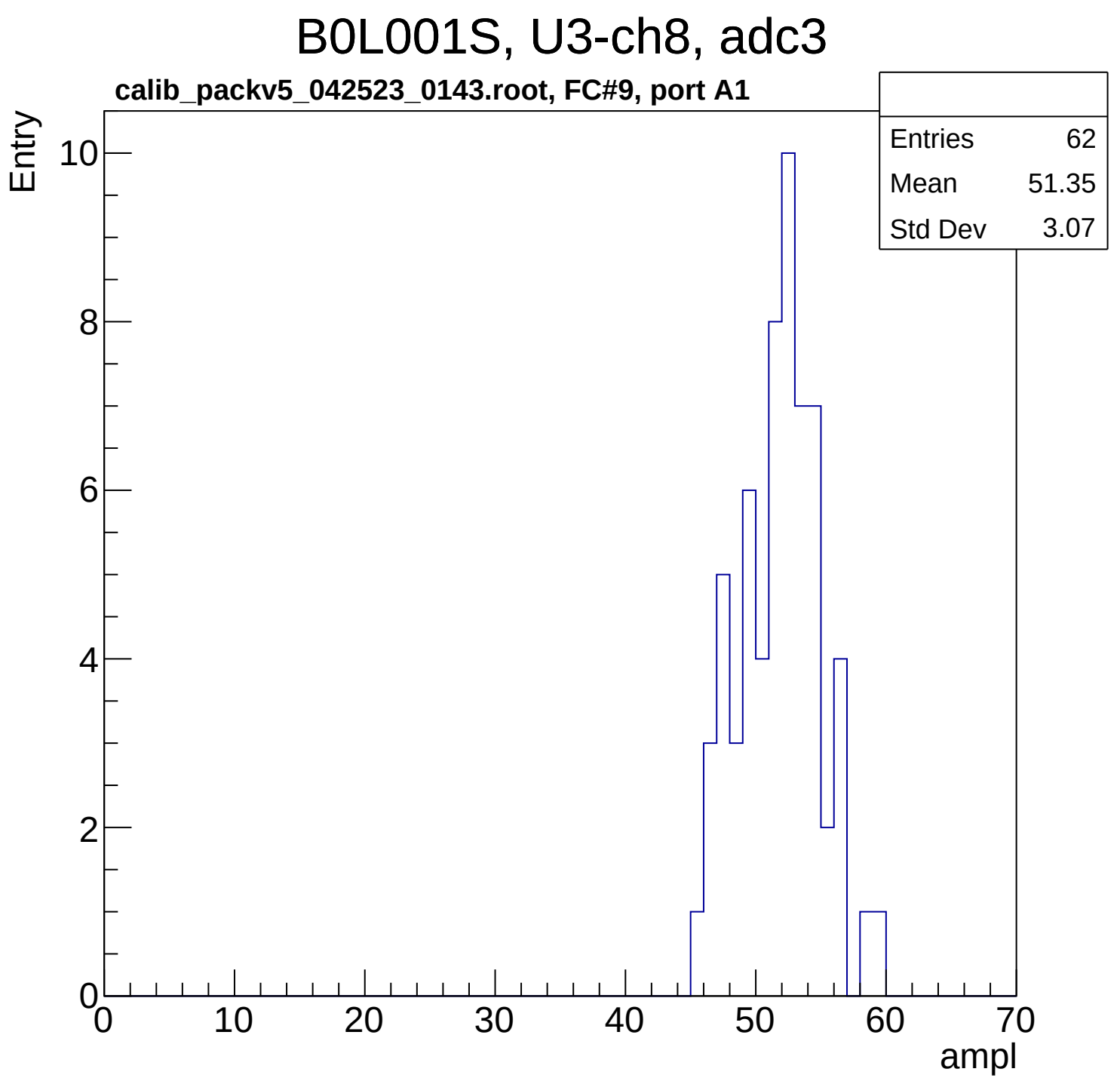
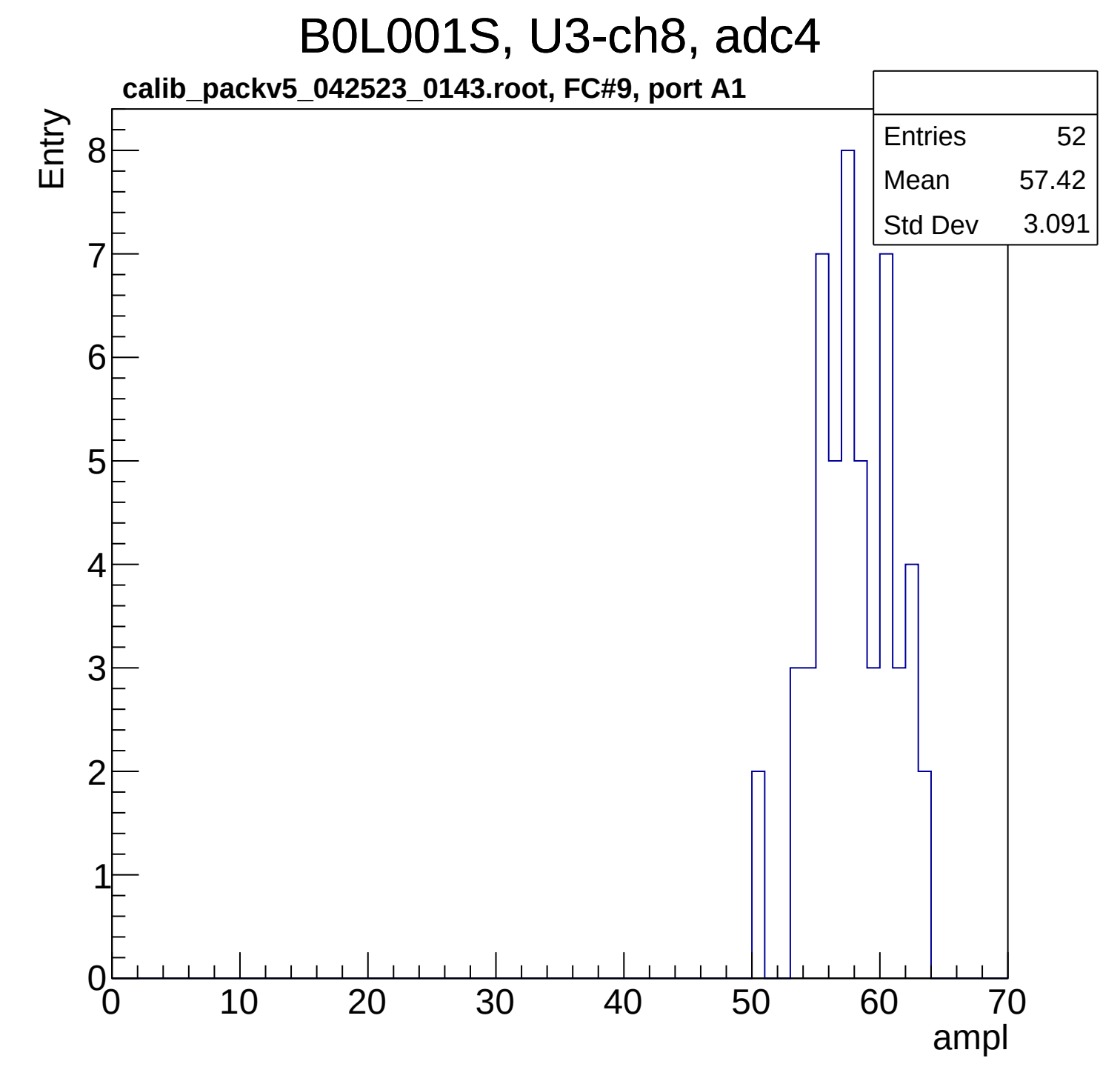
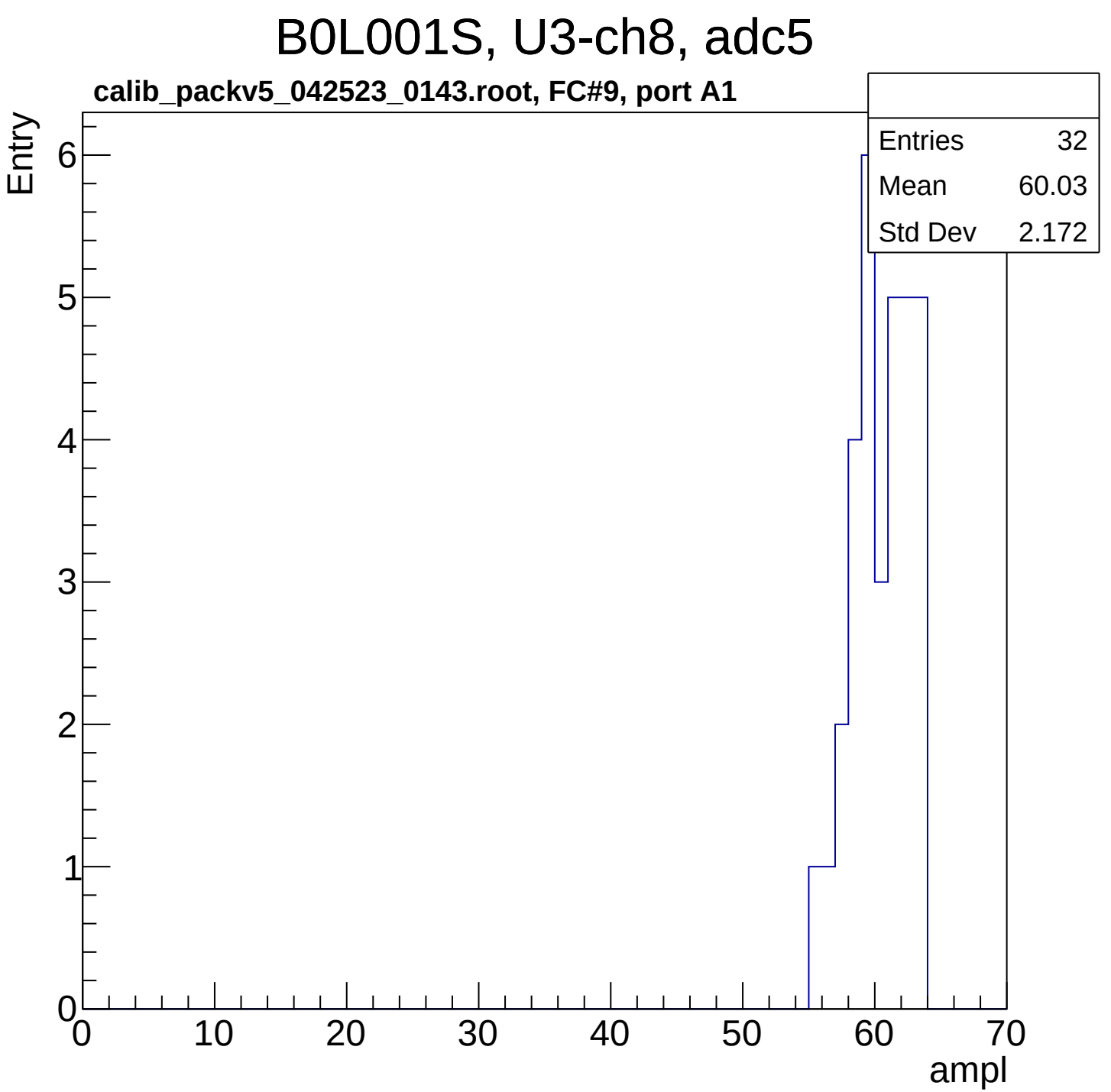
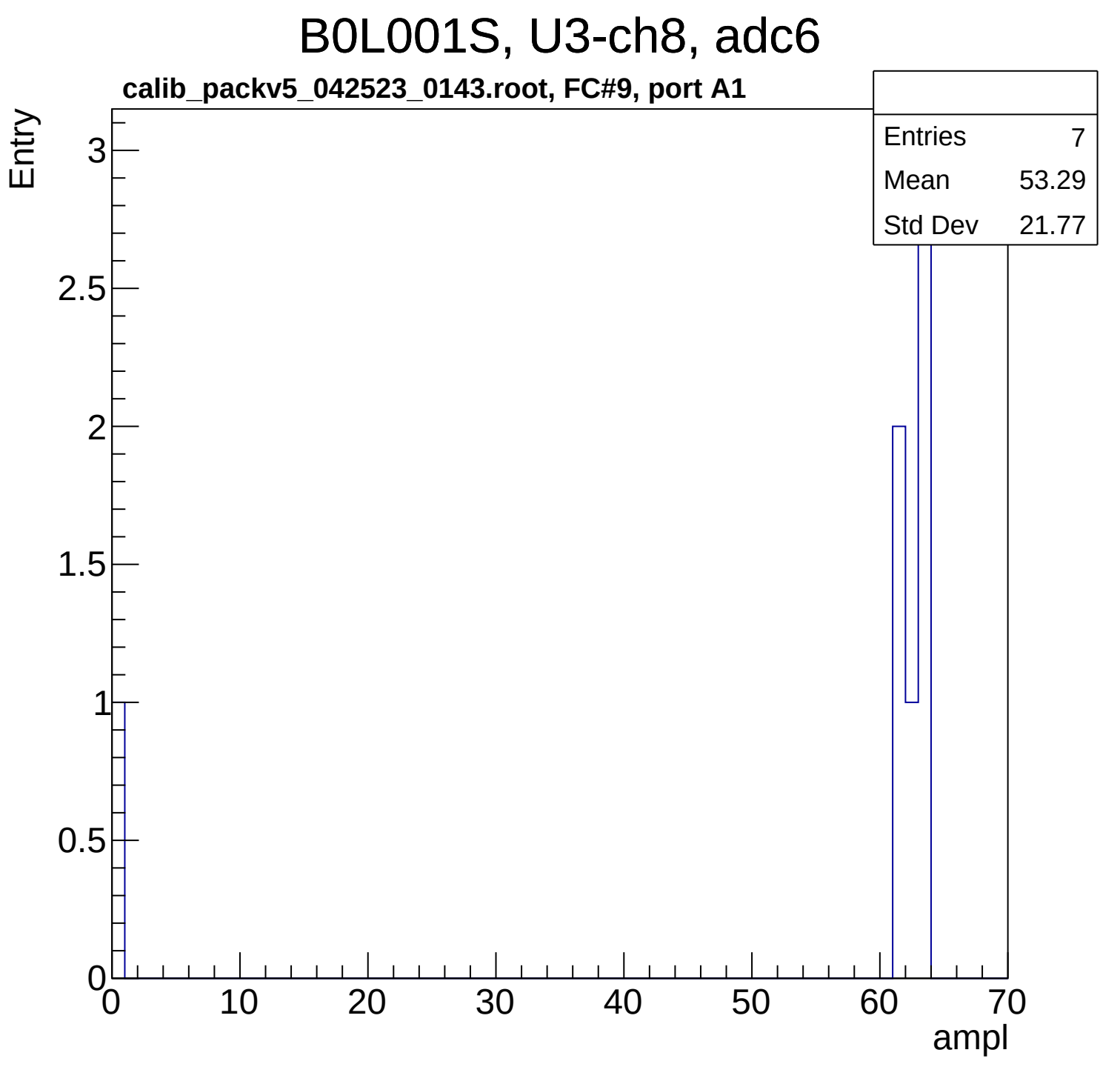
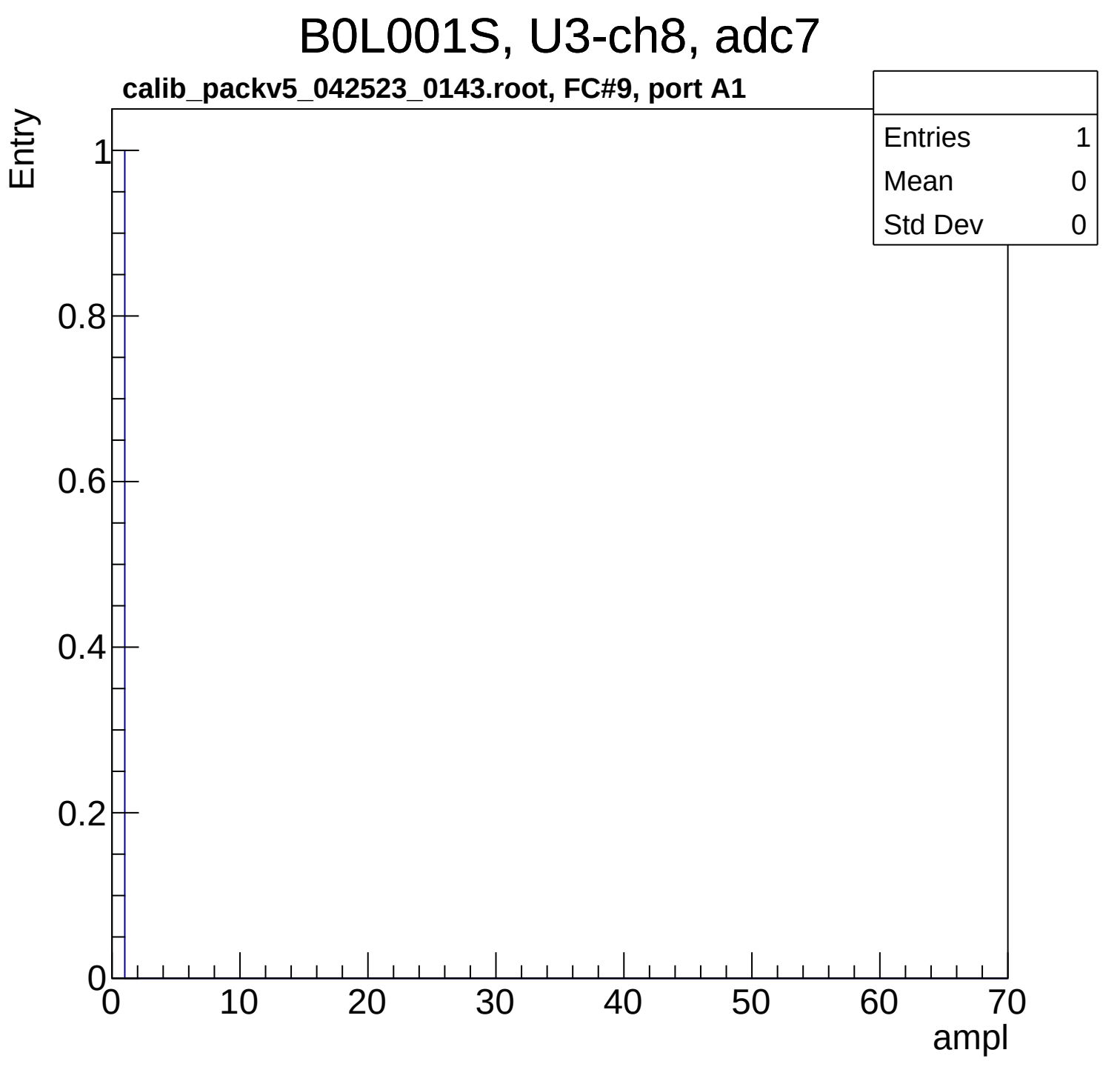
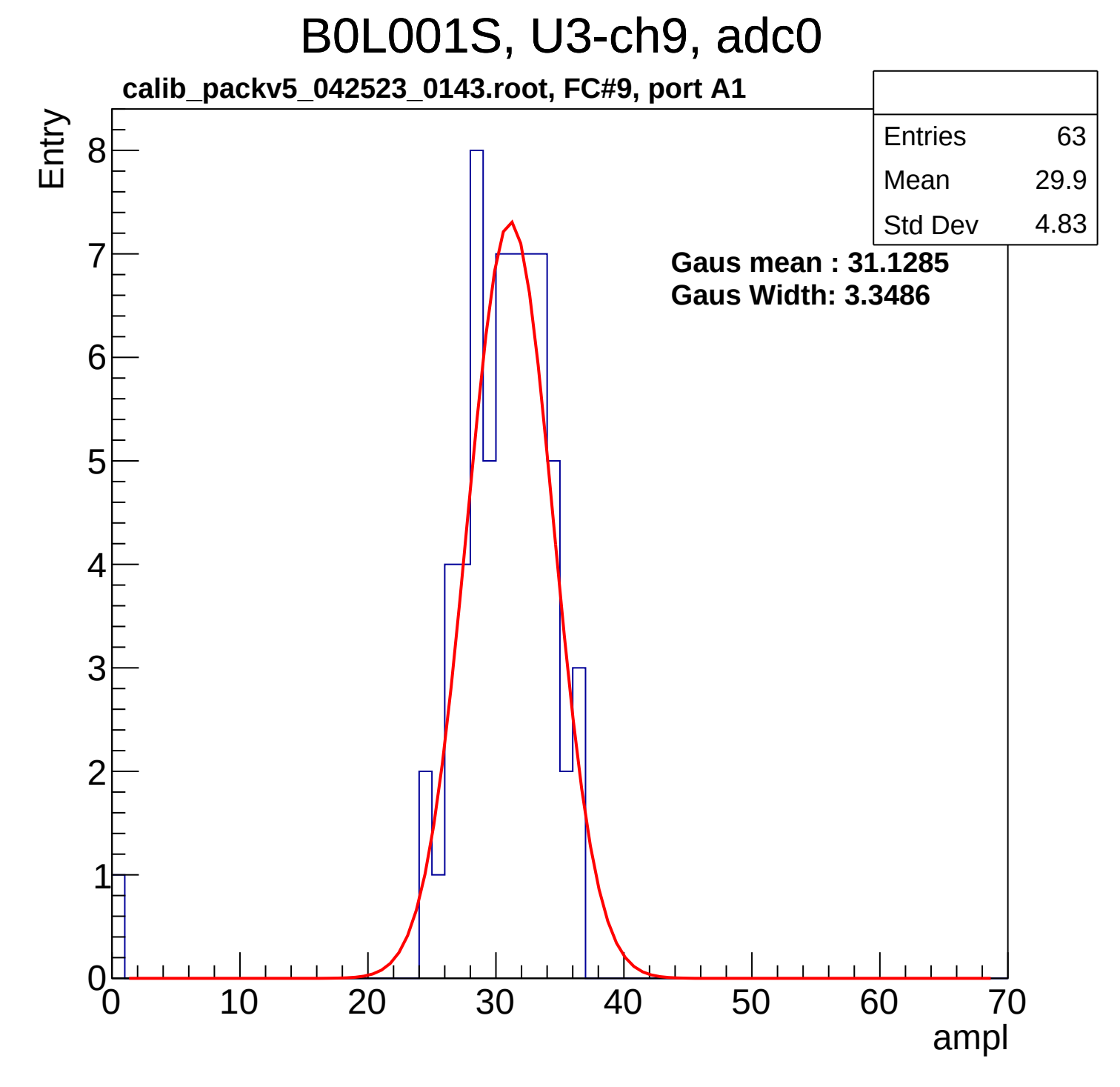

B0L001S, U3-ch8, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 51.35
Std Dev 3.07
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

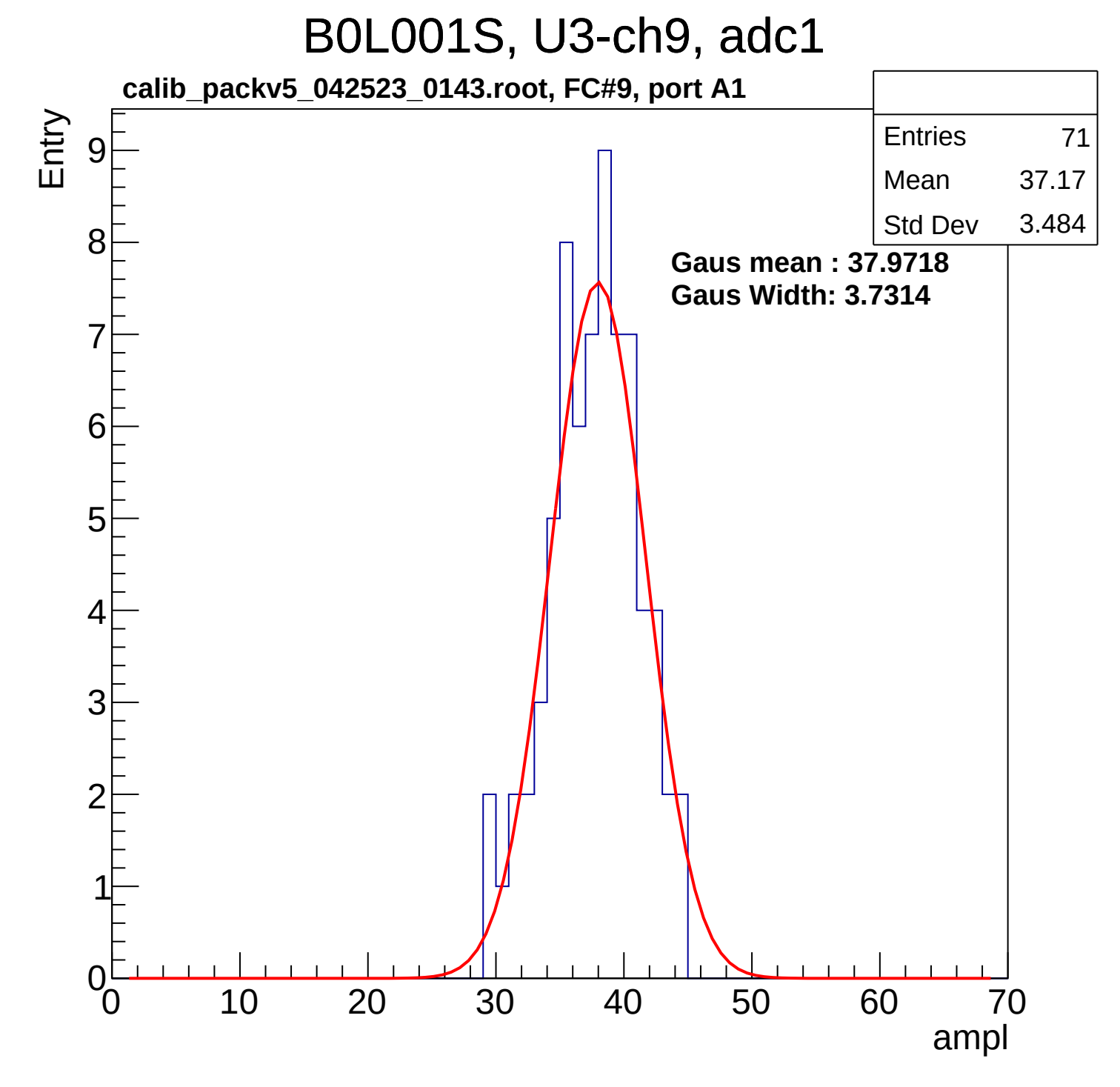

B0L001S, U3-ch8, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 57.42
Std Dev 3.091
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch8, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 60.03
Std Dev 2.172
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch8, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53.29
Std Dev 21.77
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch8, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch9, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 29.9
Std Dev 4.83
Gaus mean : 31.1285
Gaus Width: 3.3486
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch9, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 37.17
Std Dev 3.484
Gaus mean : 37.9718
Gaus Width: 3.7314
Entry
ampl
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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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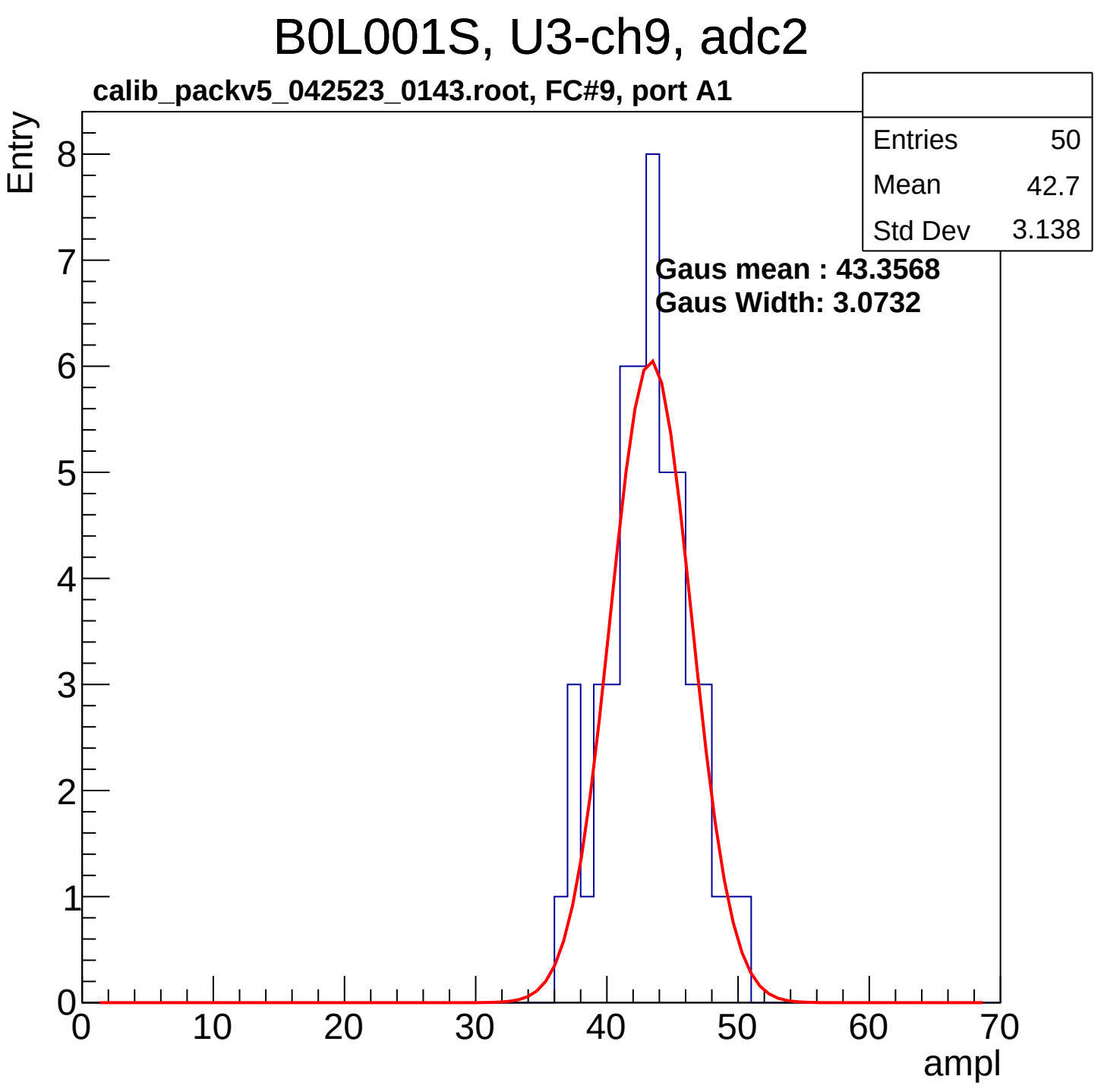
B0L001S, U3-ch9, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 42.7
Std Dev 3.138
Gaus mean : 43.3568
Gaus Width: 3.0732
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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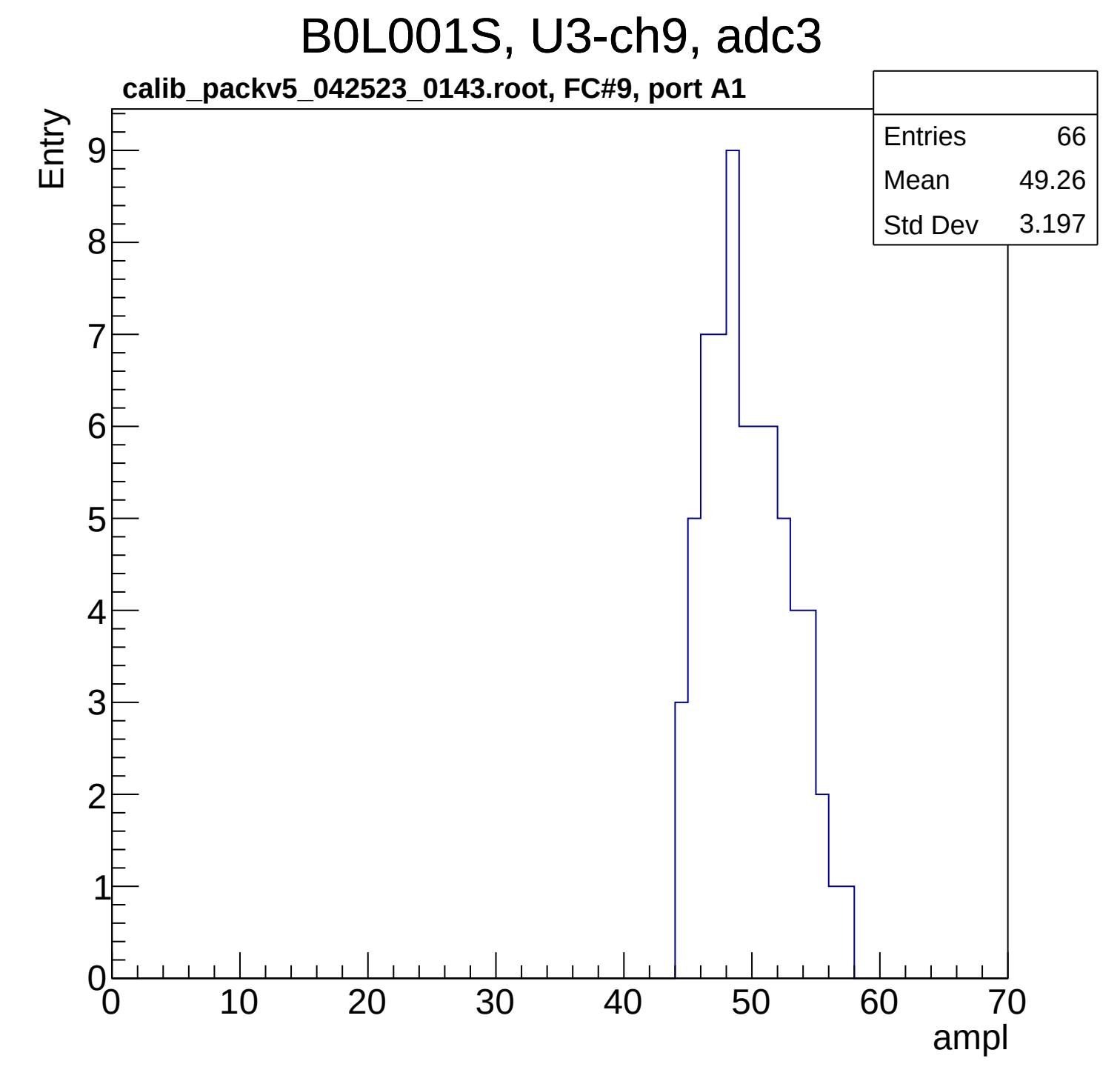
B0L001S, U3-ch9, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 49.26
Std Dev 3.197
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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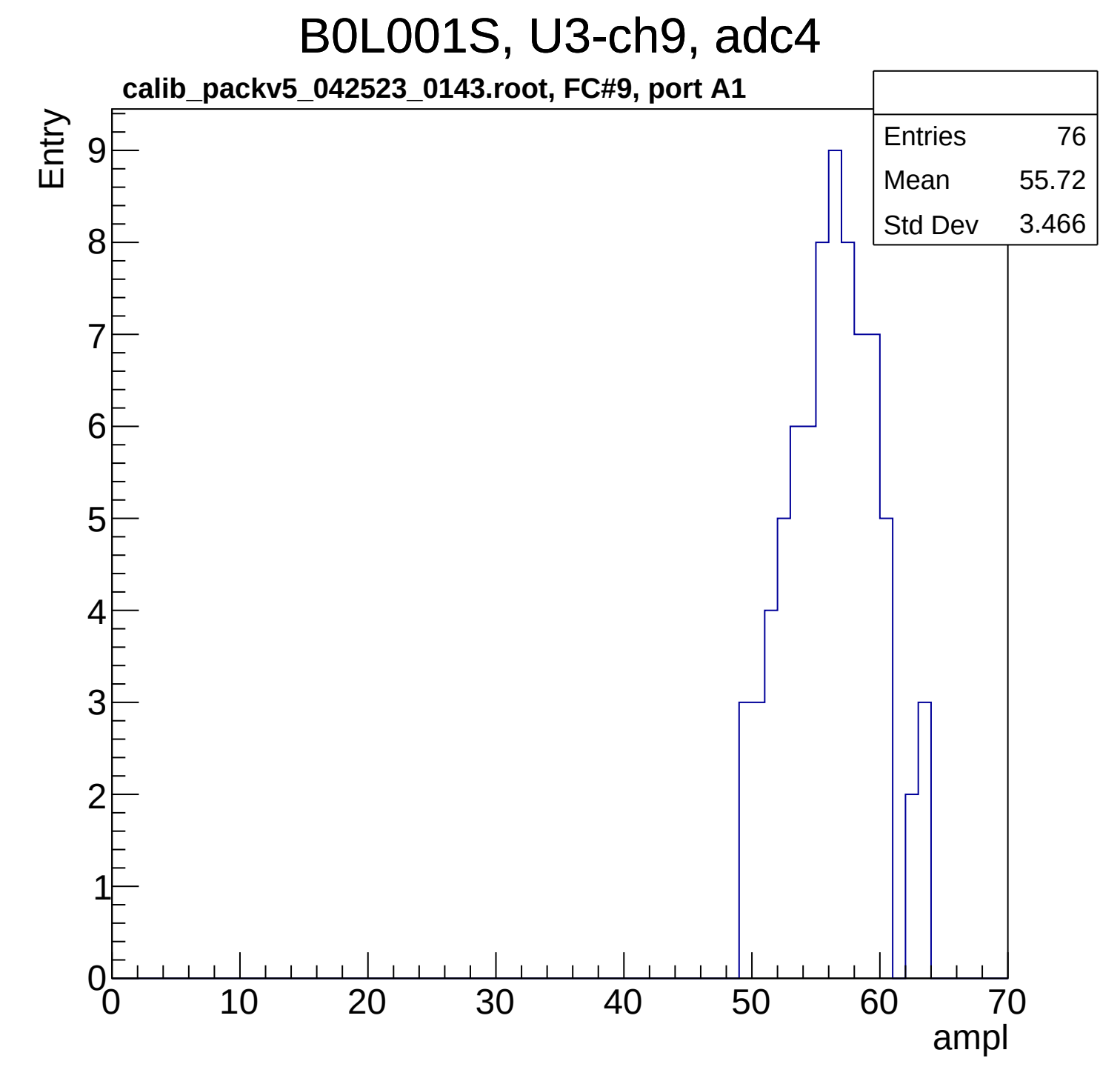
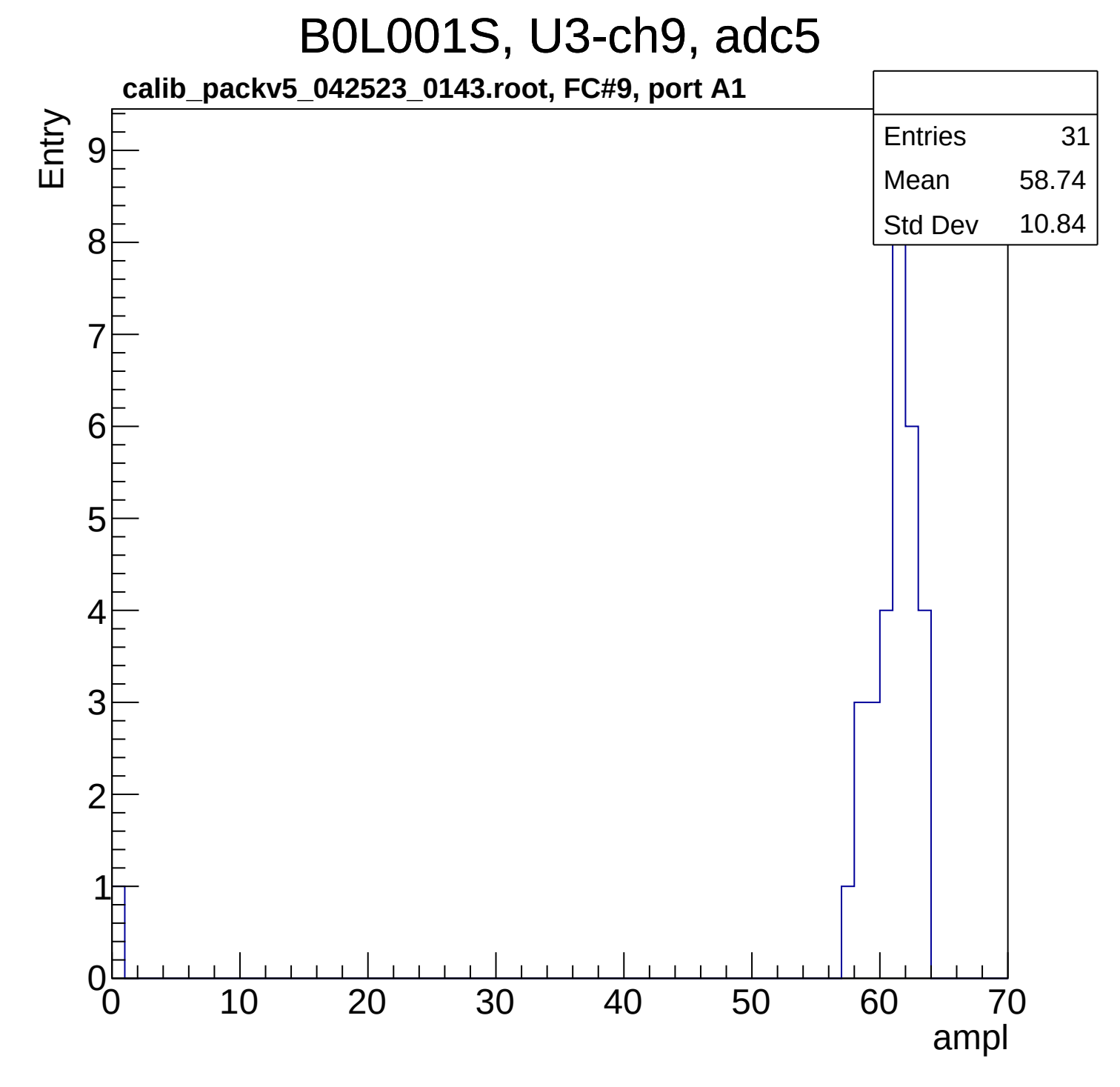
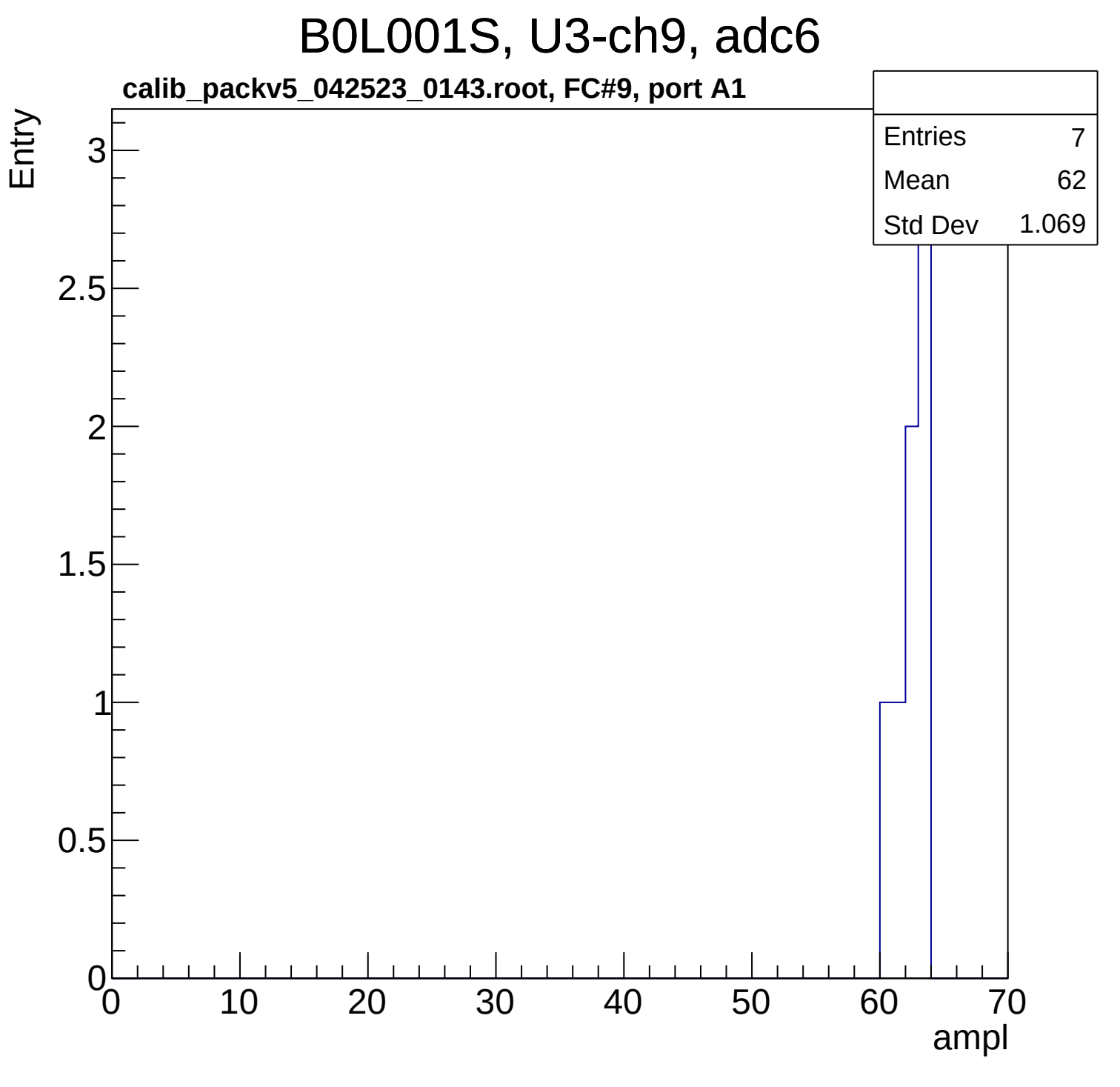
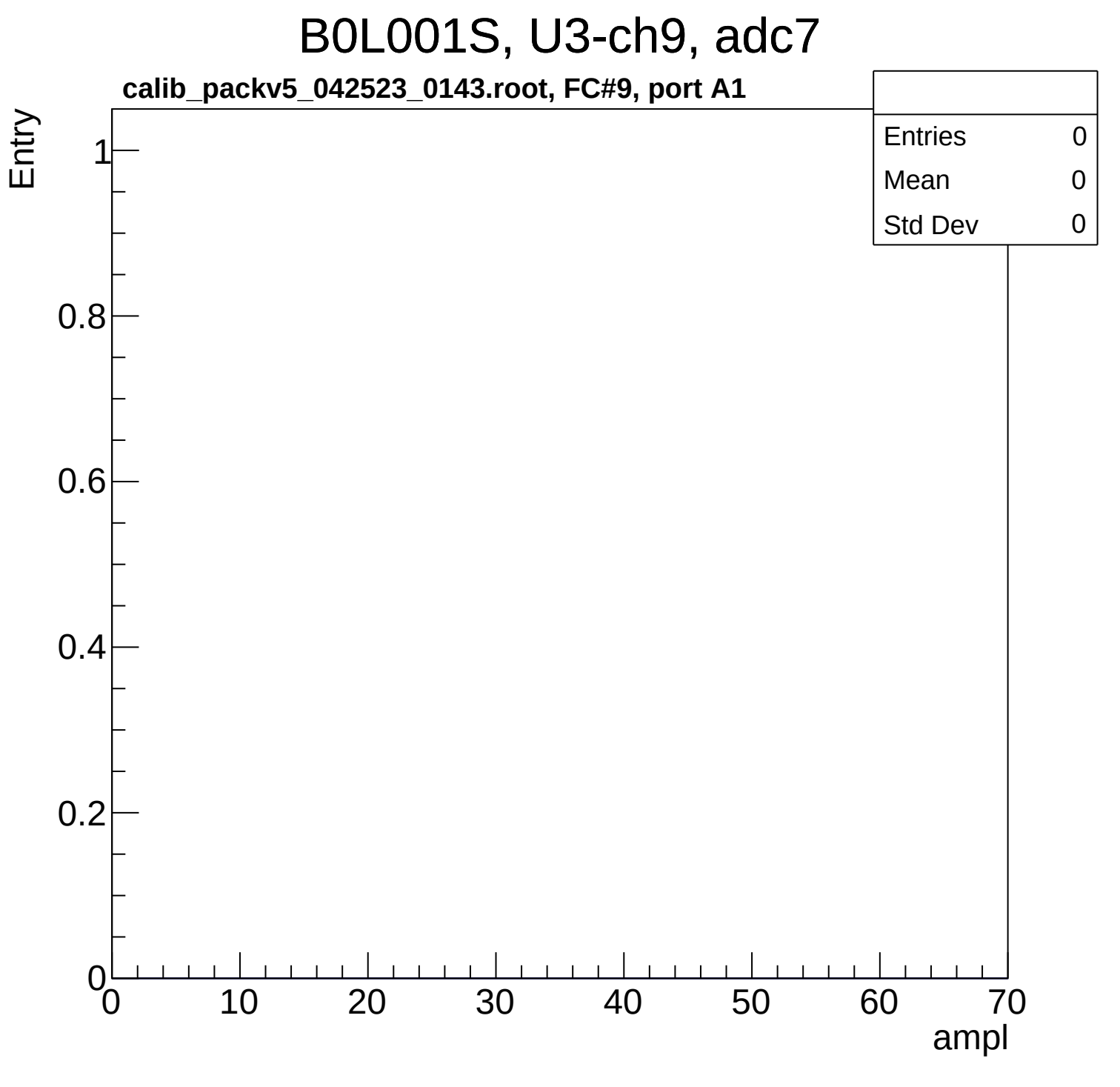
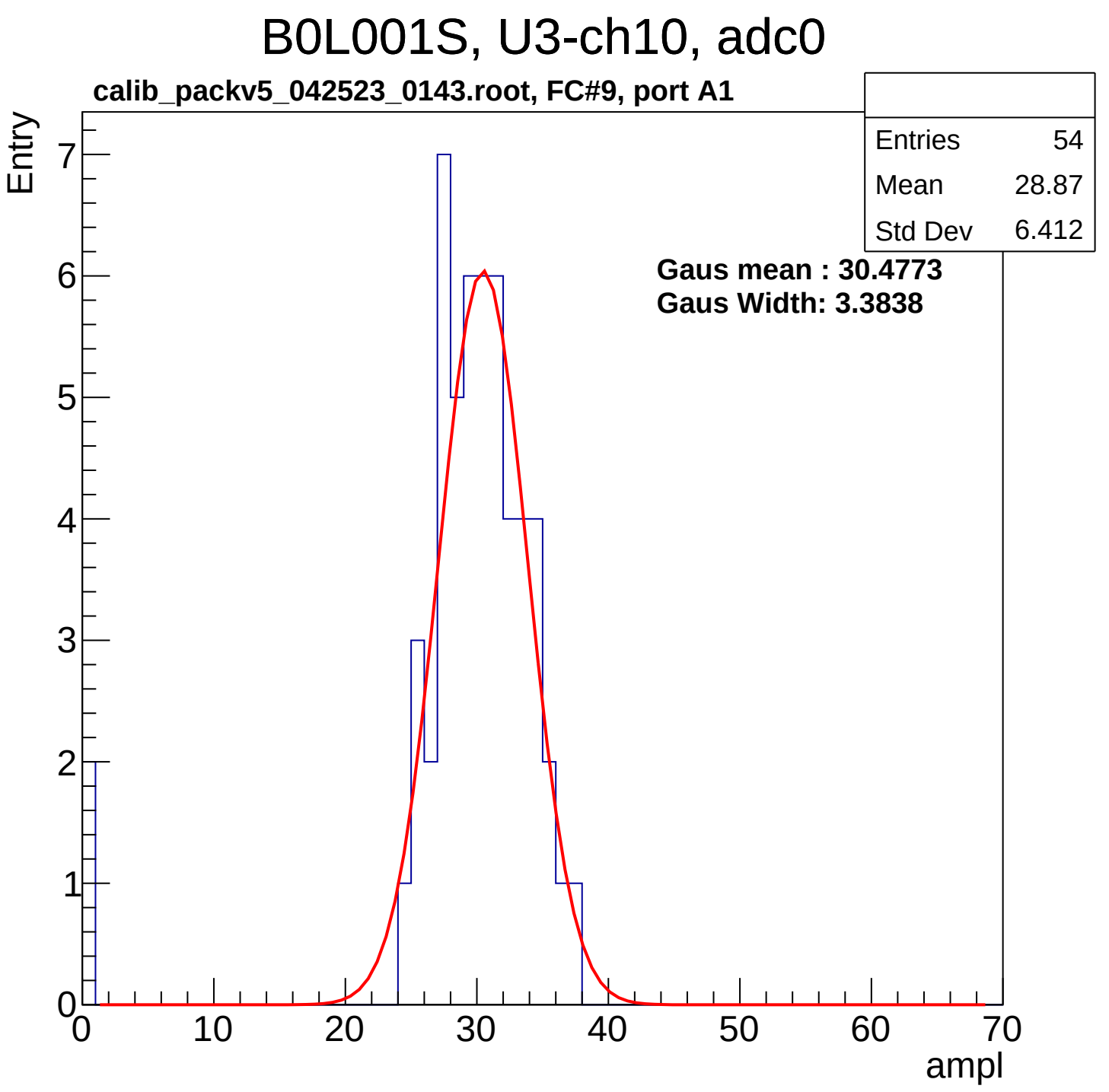
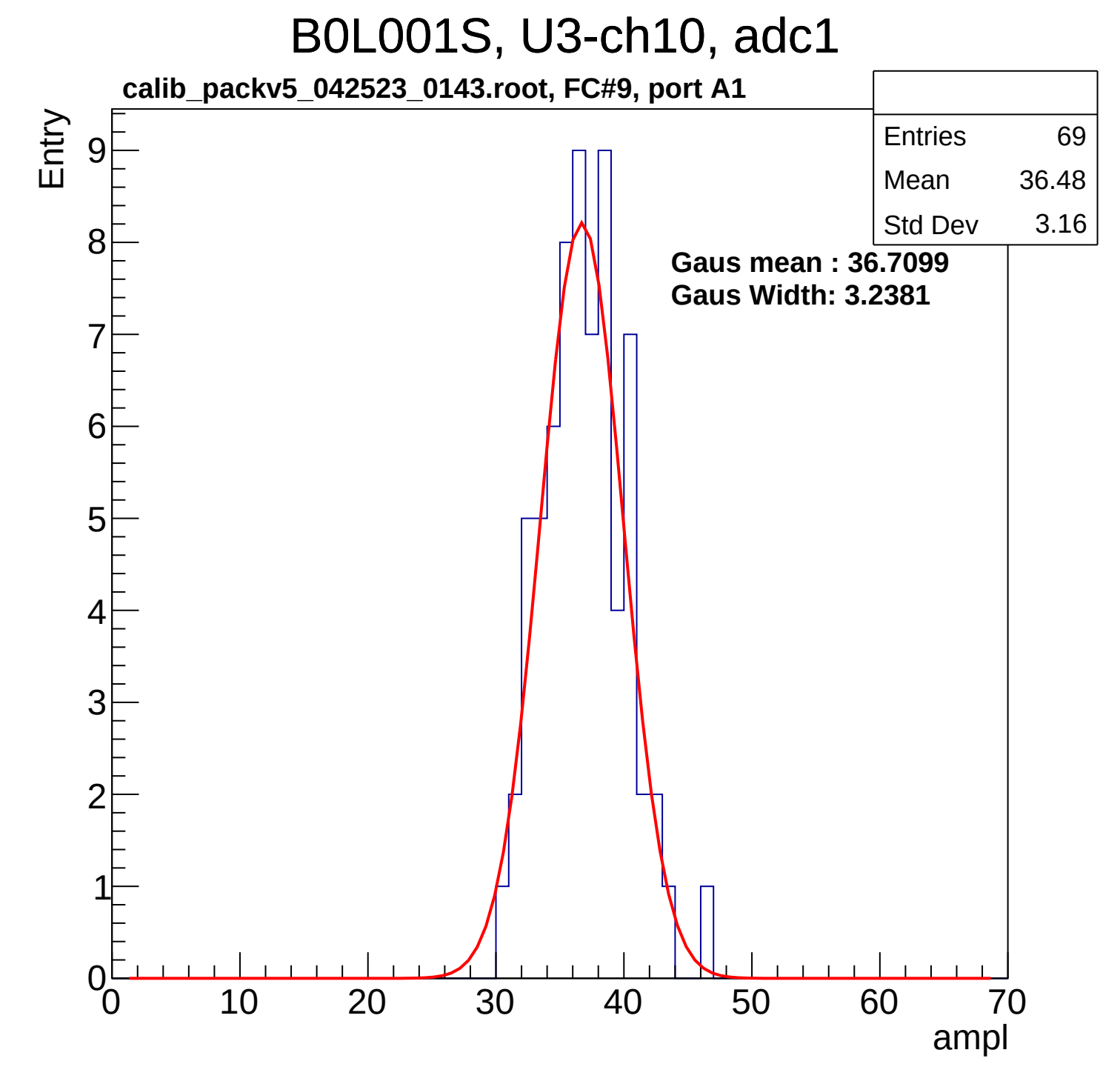

B0L001S, U3-ch9, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 55.72
Std Dev 3.466
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

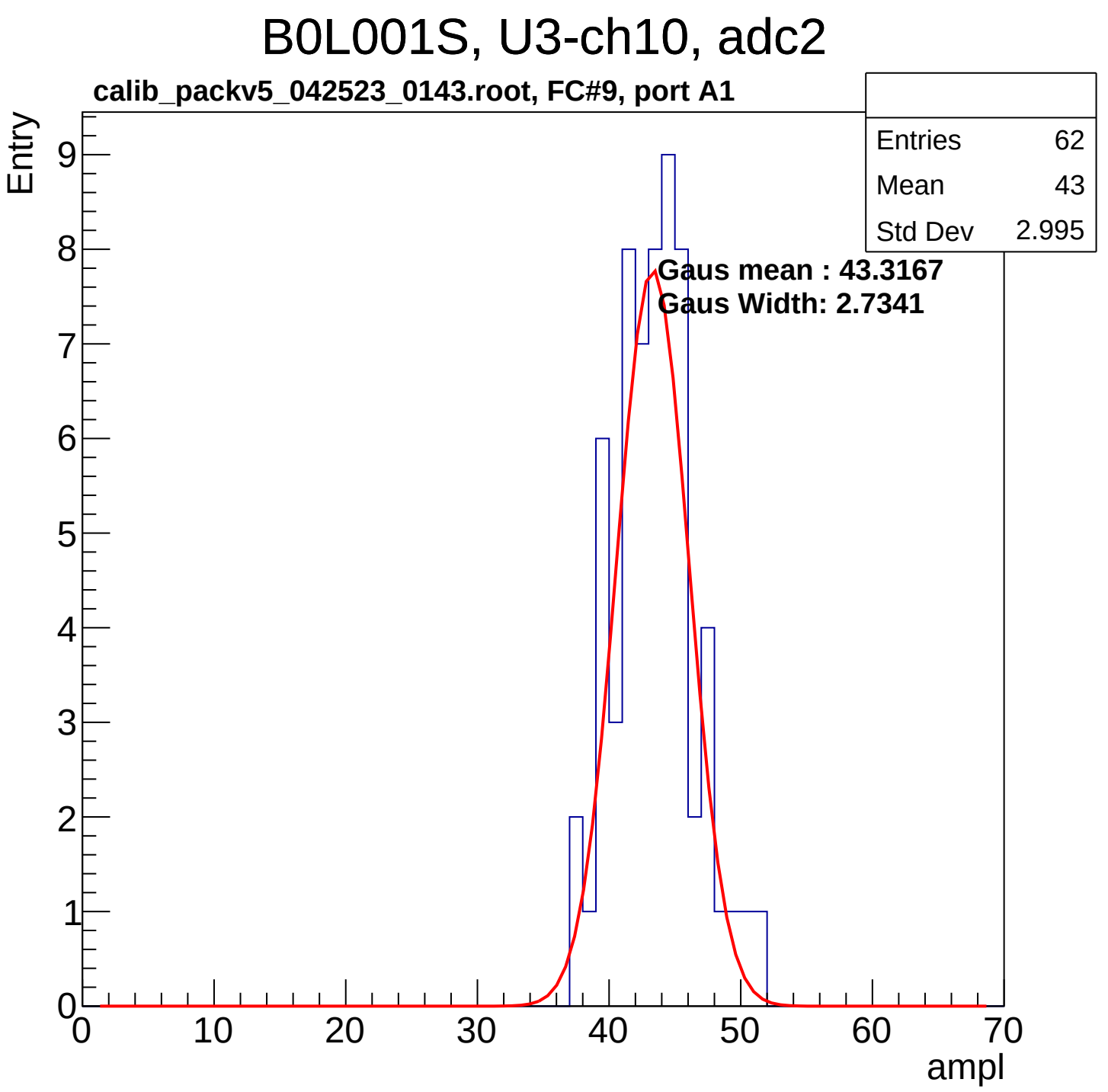

B0L001S, U3-ch9, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 31
Mean 58.74
Std Dev 10.84
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

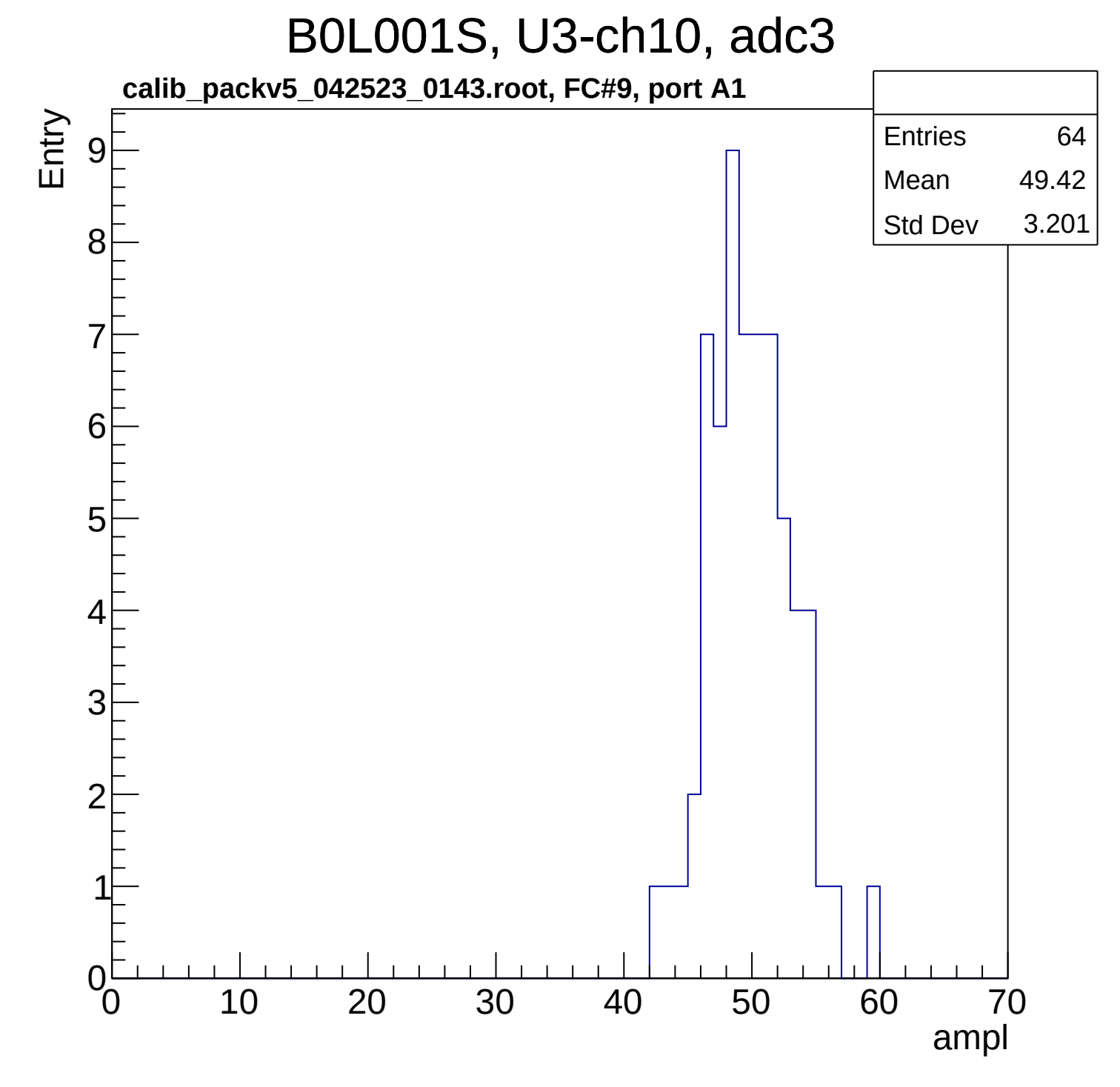

B0L001S, U3-ch9, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 62
Std Dev 1.069
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch9, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch10, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 28.87
Std Dev 6.412
Gaus mean : 30.4773
Gaus Width: 3.3838
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch10, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 36.48
Std Dev 3.16
Gaus mean : 36.7099
Gaus Width: 3.2381
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch10, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 43
Std Dev 2.995
Gaus mean : 43.3167
Gaus Width: 2.7341
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch10, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 49.42
Std Dev 3.201
Entry
ampl
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2
3
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5
6
7
8
9
0
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20
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50
60
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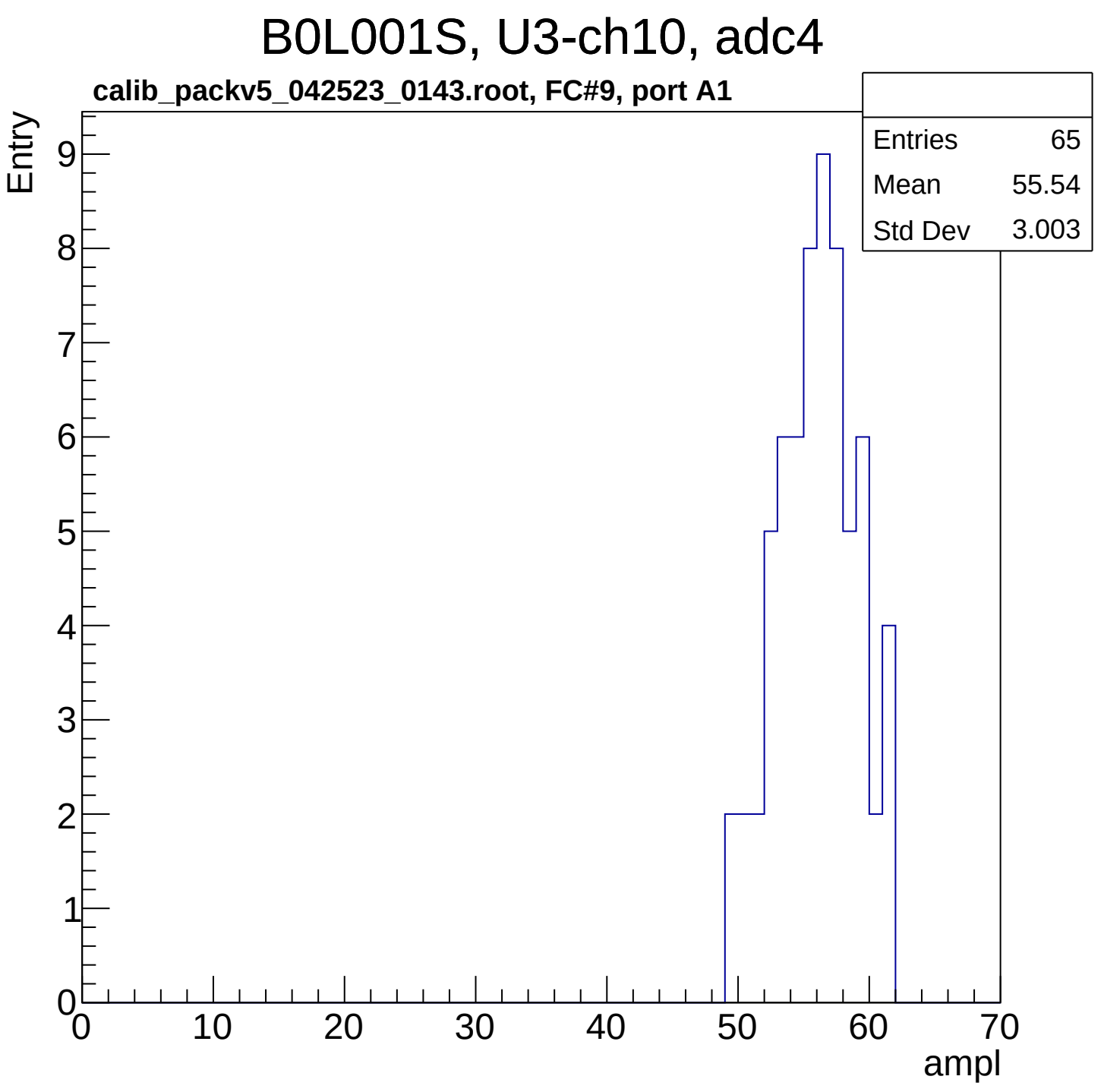
B0L001S, U3-ch10, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 55.54
Std Dev 3.003
Entry
ampl
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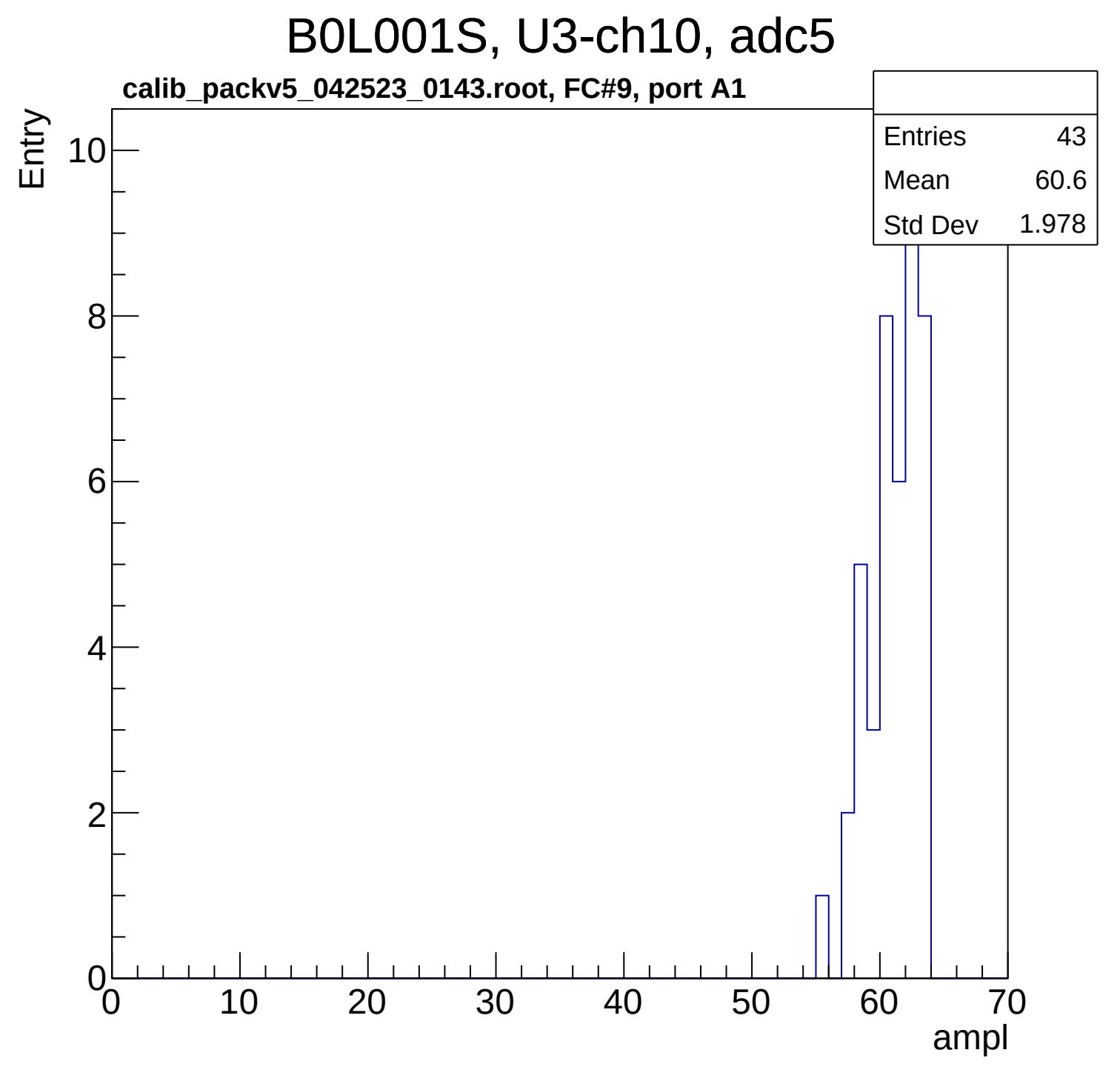
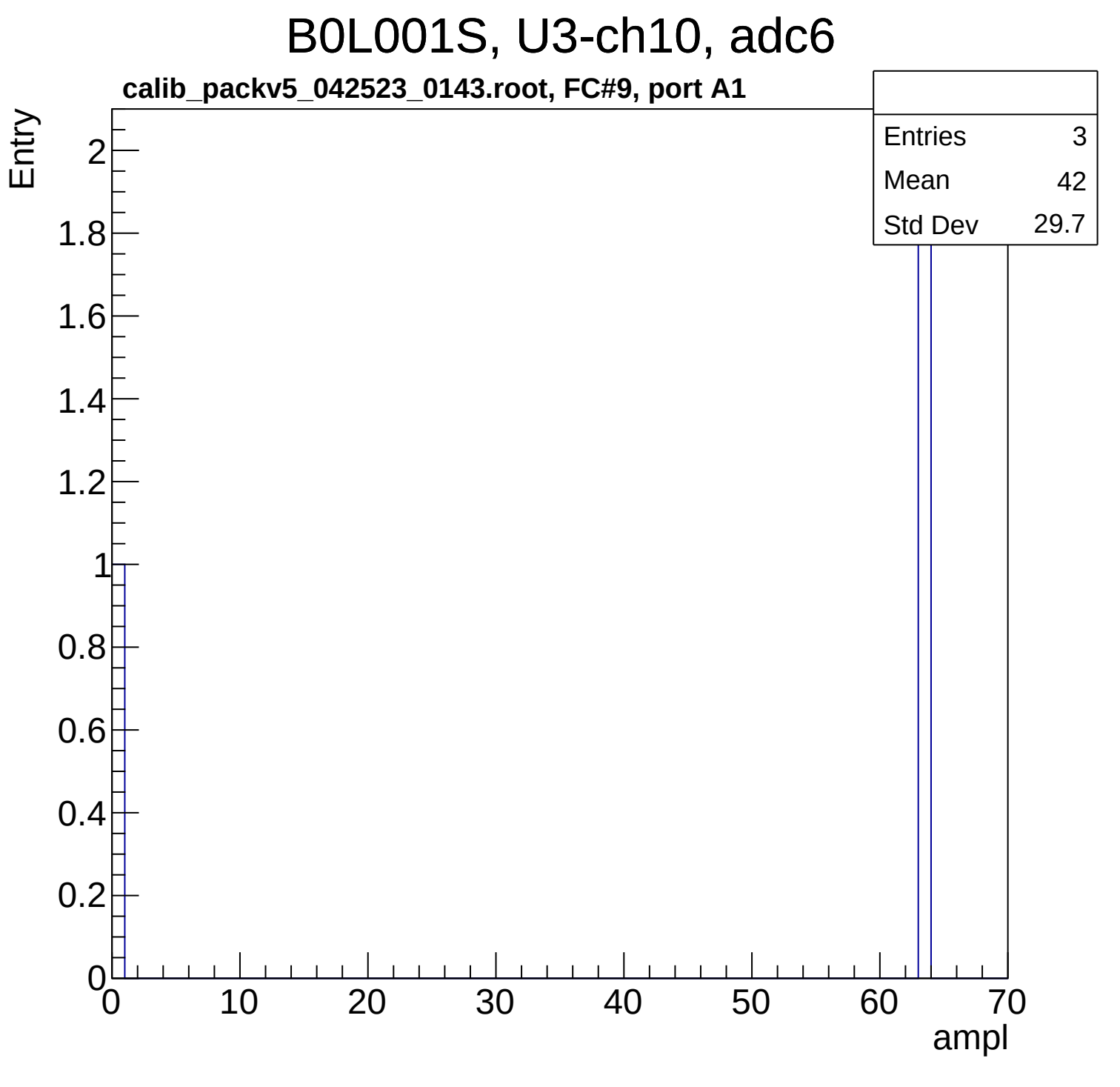
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch10, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 43
Mean 60.6
Std Dev 1.978
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch10, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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
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10
20
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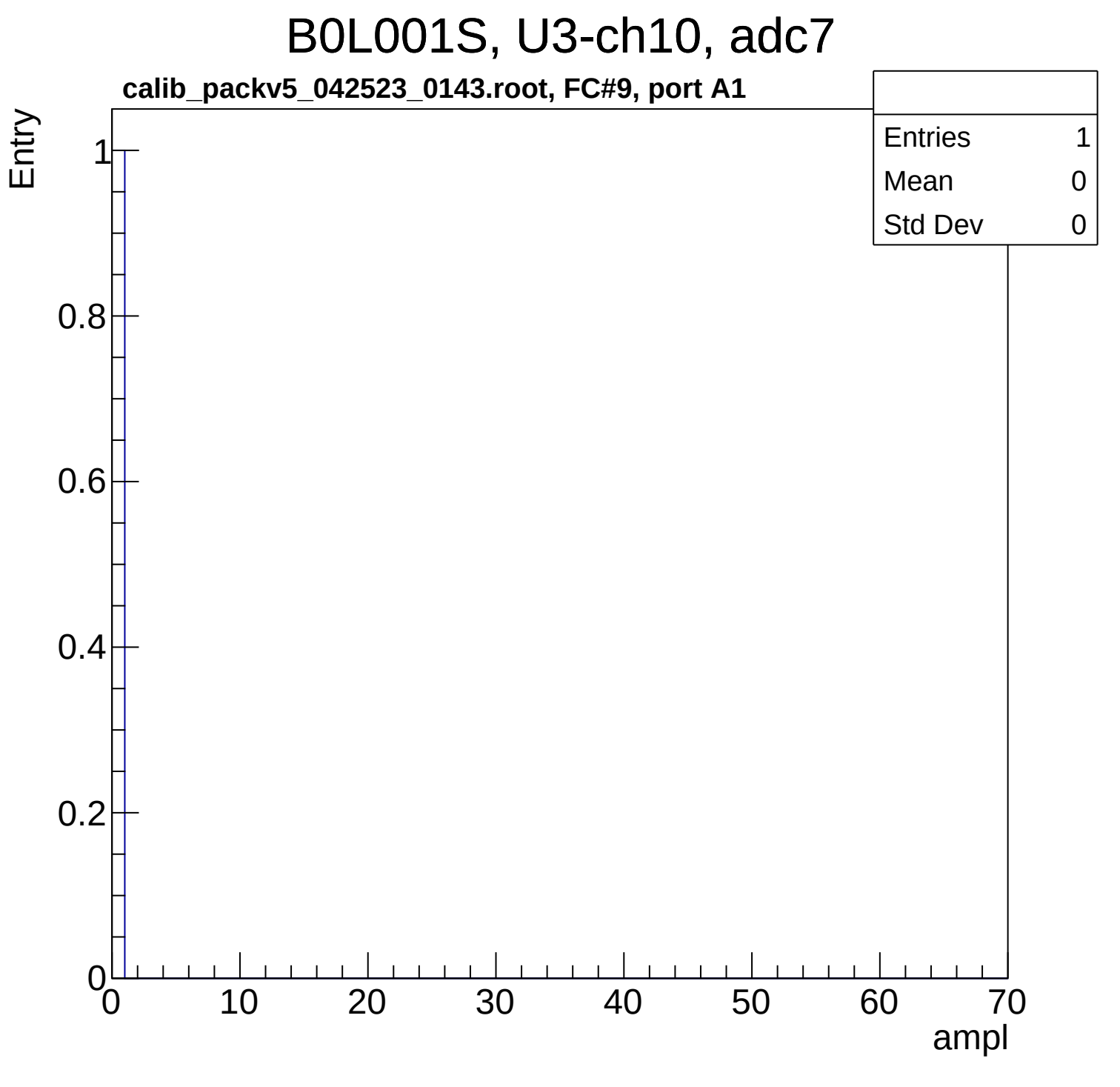
40
50
60
70


B0L001S, U3-ch10, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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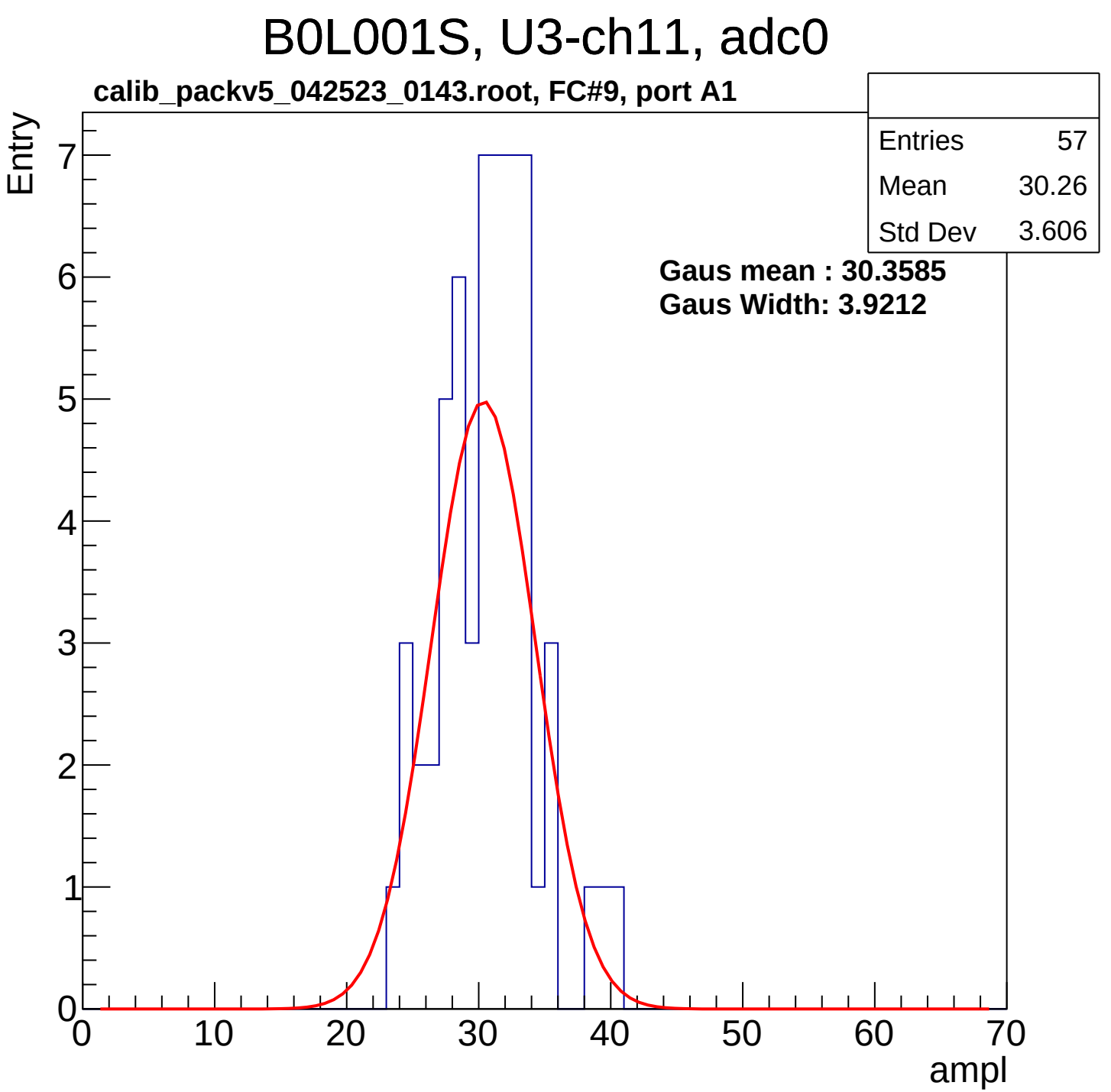
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch11, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 30.26
Std Dev 3.606
Gaus mean : 30.3585
Gaus Width: 3.9212
Entry
ampl
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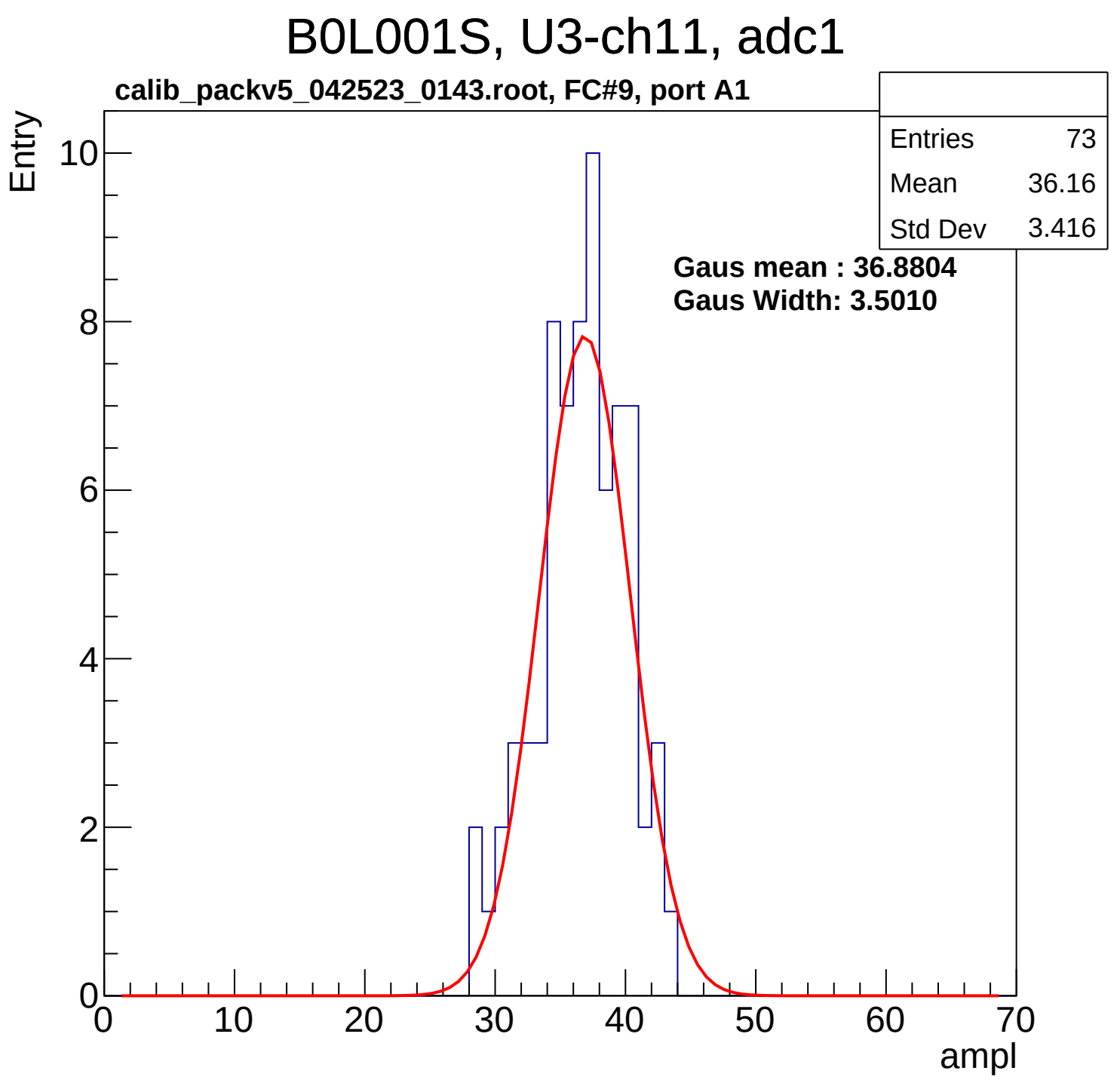
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch11, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 36.16
Std Dev 3.416
Gaus mean : 36.8804
Gaus Width: 3.5010
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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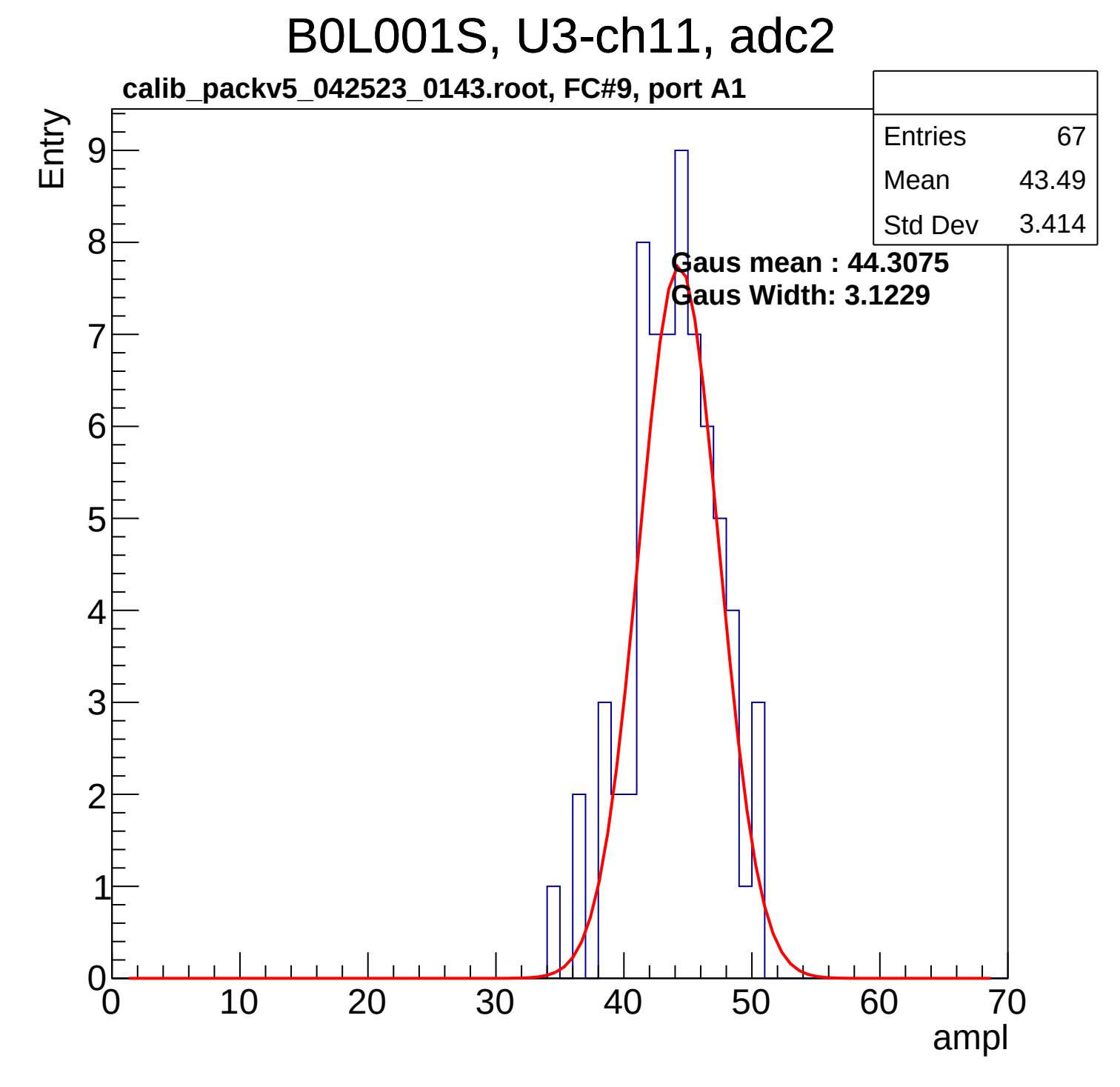
B0L001S, U3-ch11, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 43.49
Std Dev 3.414
Gaus mean : 44.3075
Gaus Width: 3.1229
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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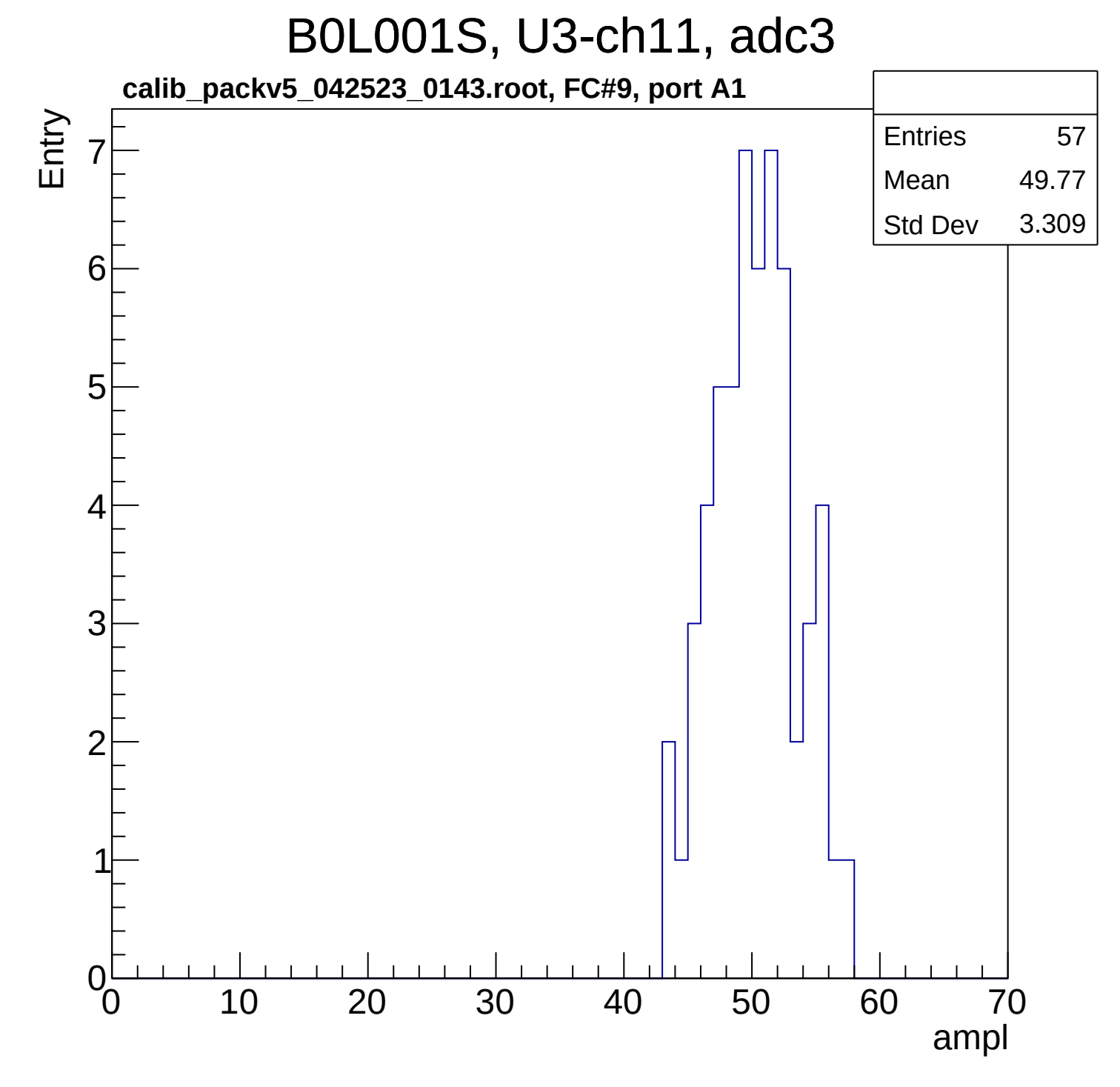
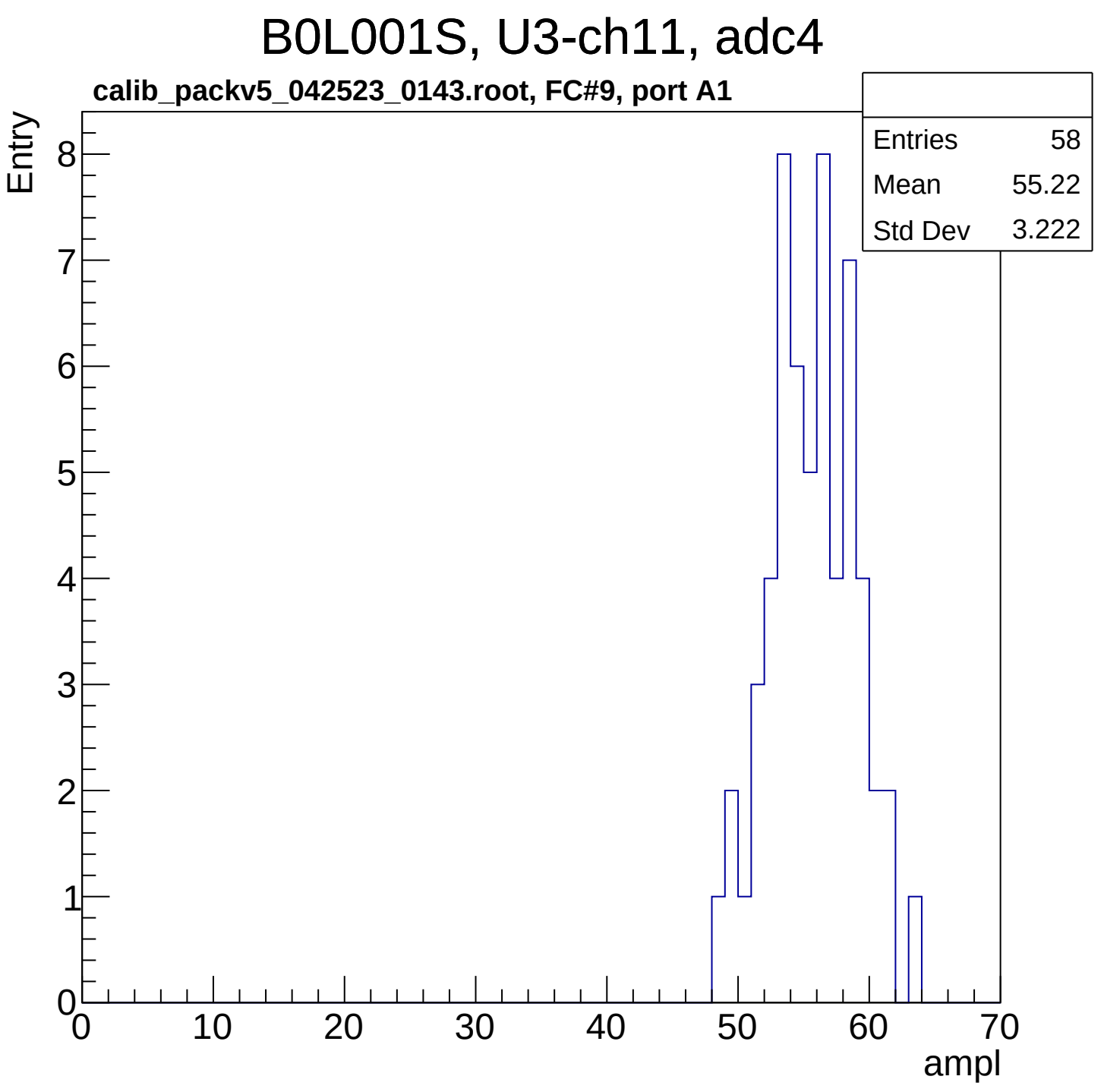
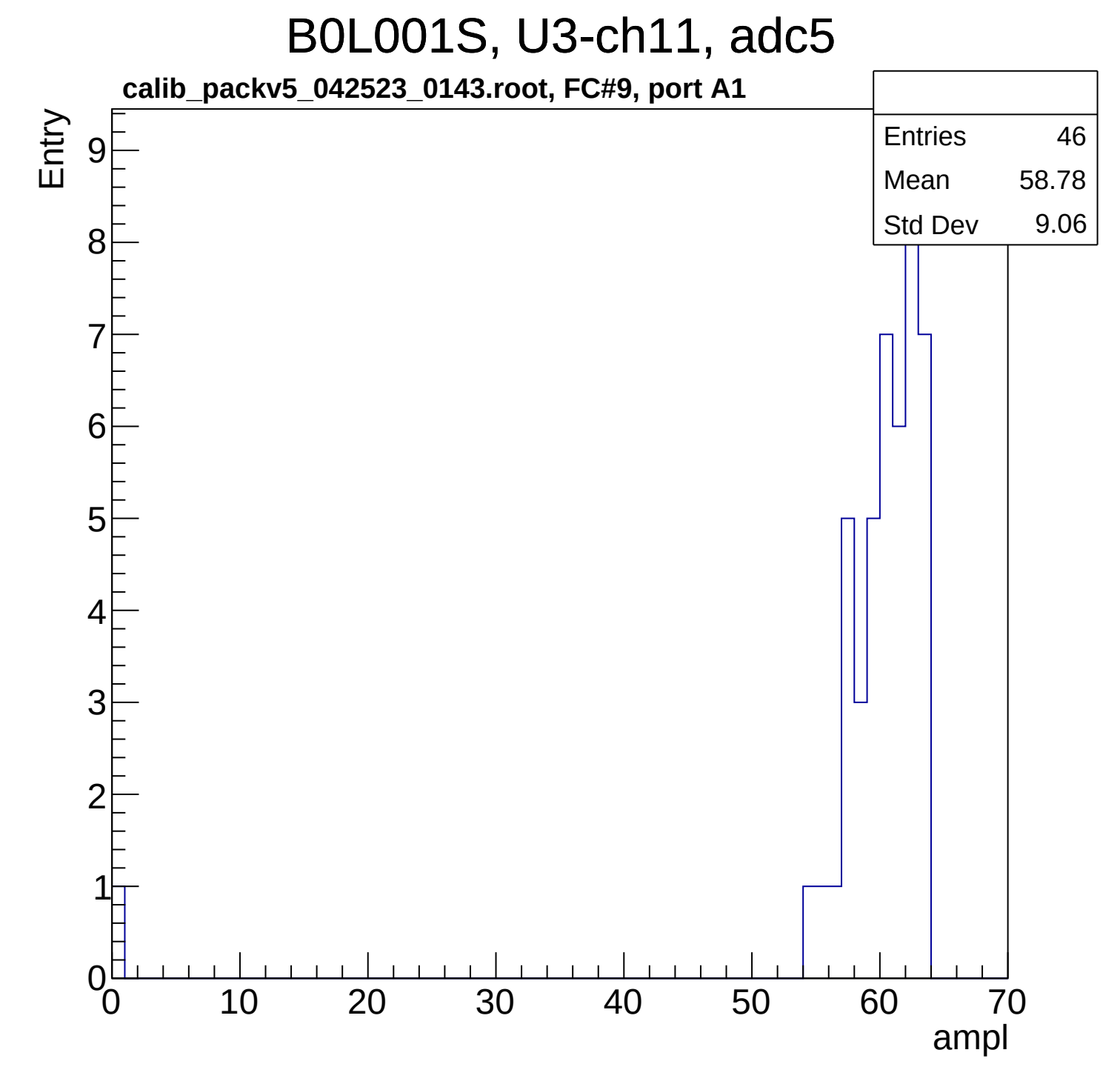

B0L001S, U3-ch11, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 49.77
Std Dev 3.309
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch11, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 55.22
Std Dev 3.222
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch11, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 58.78
Std Dev 9.06
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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60
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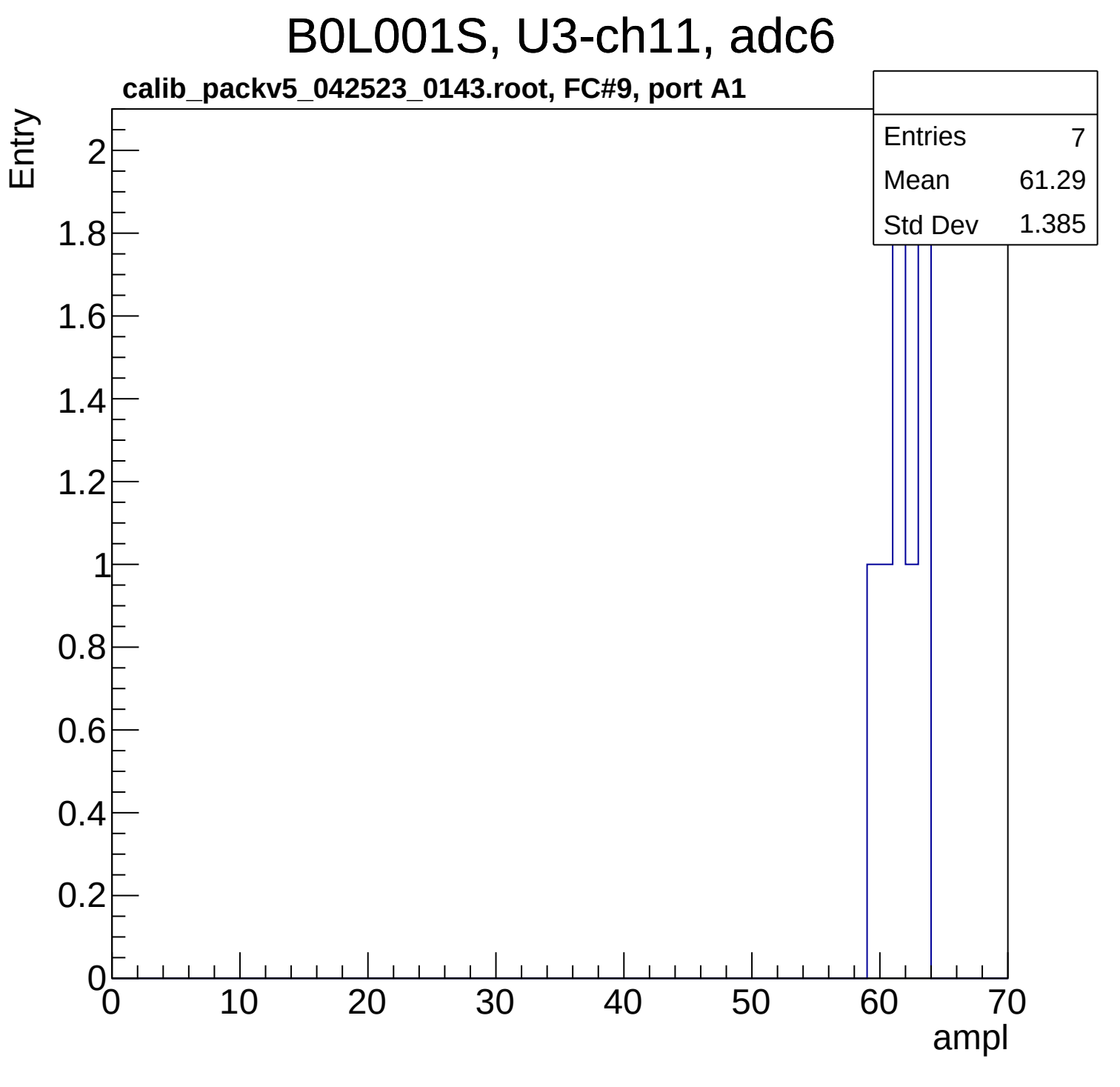
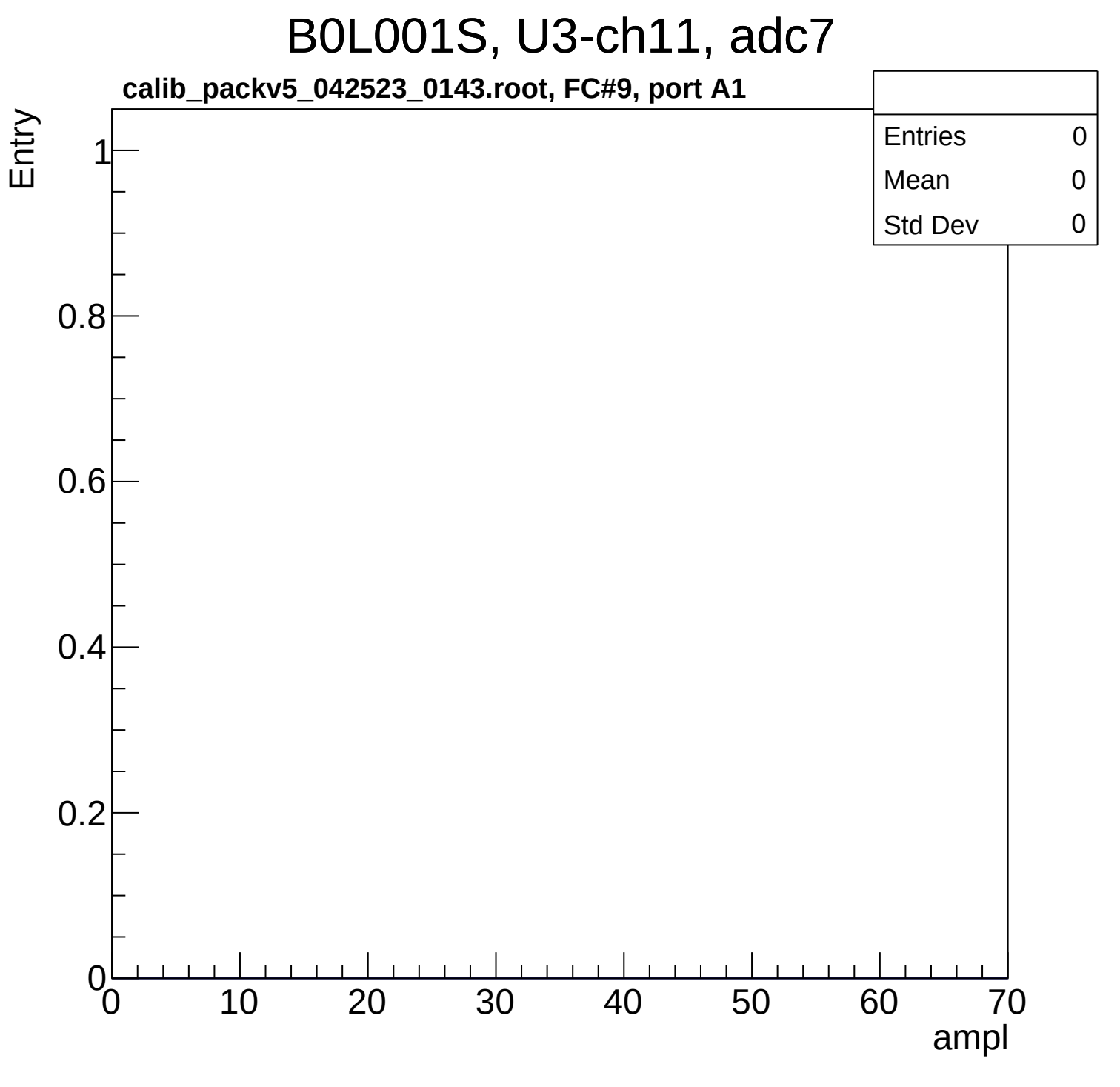
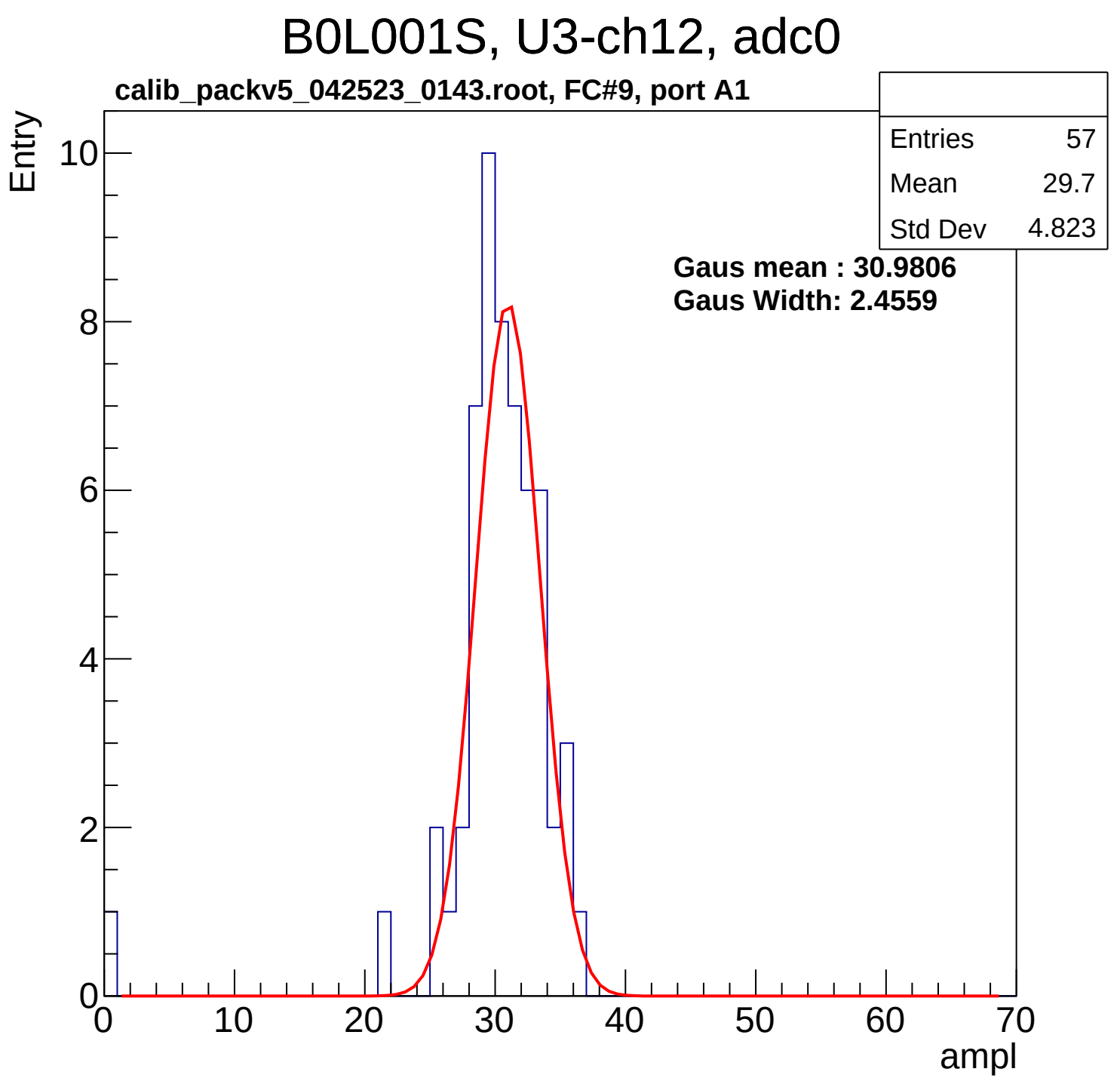
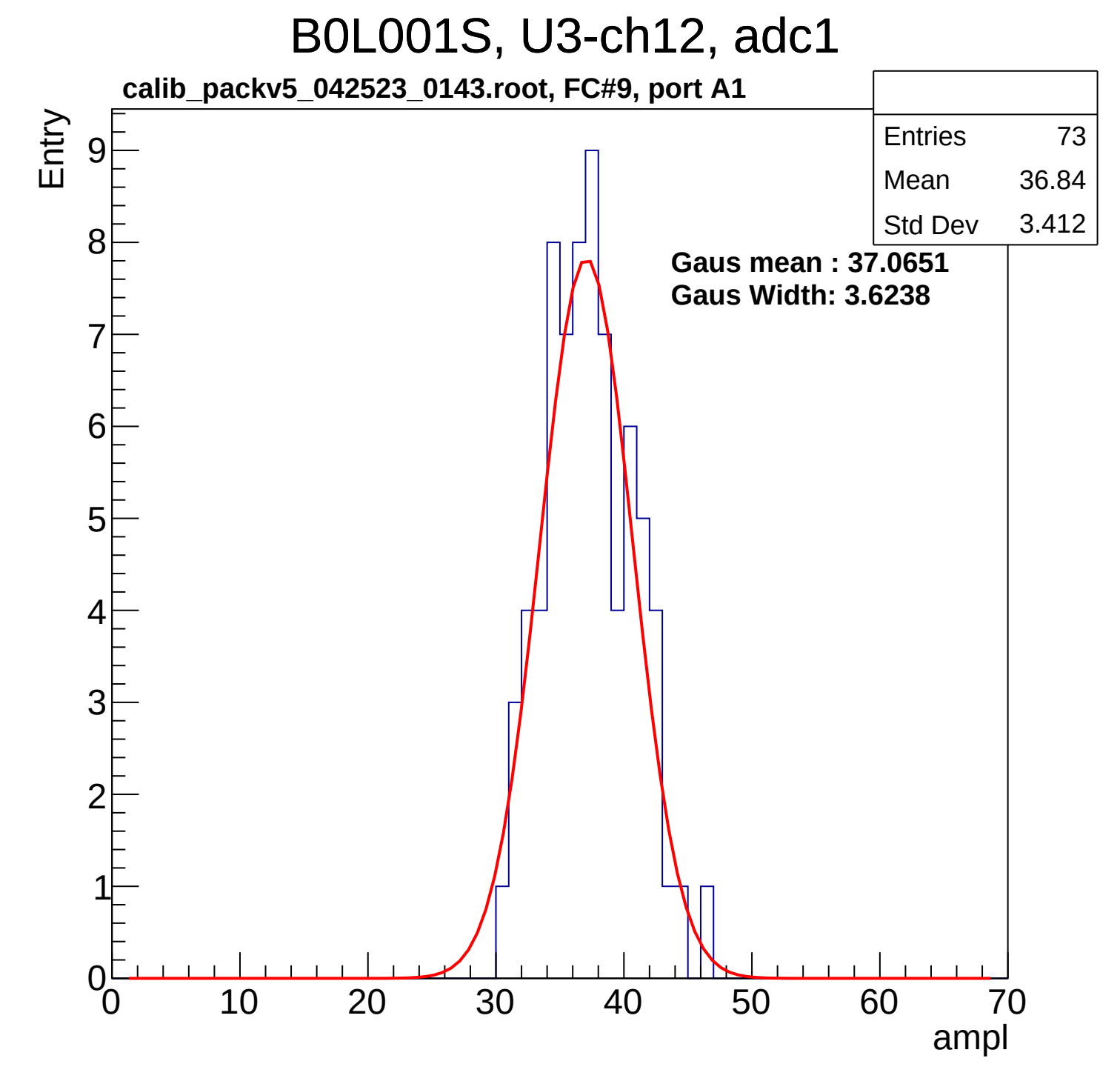
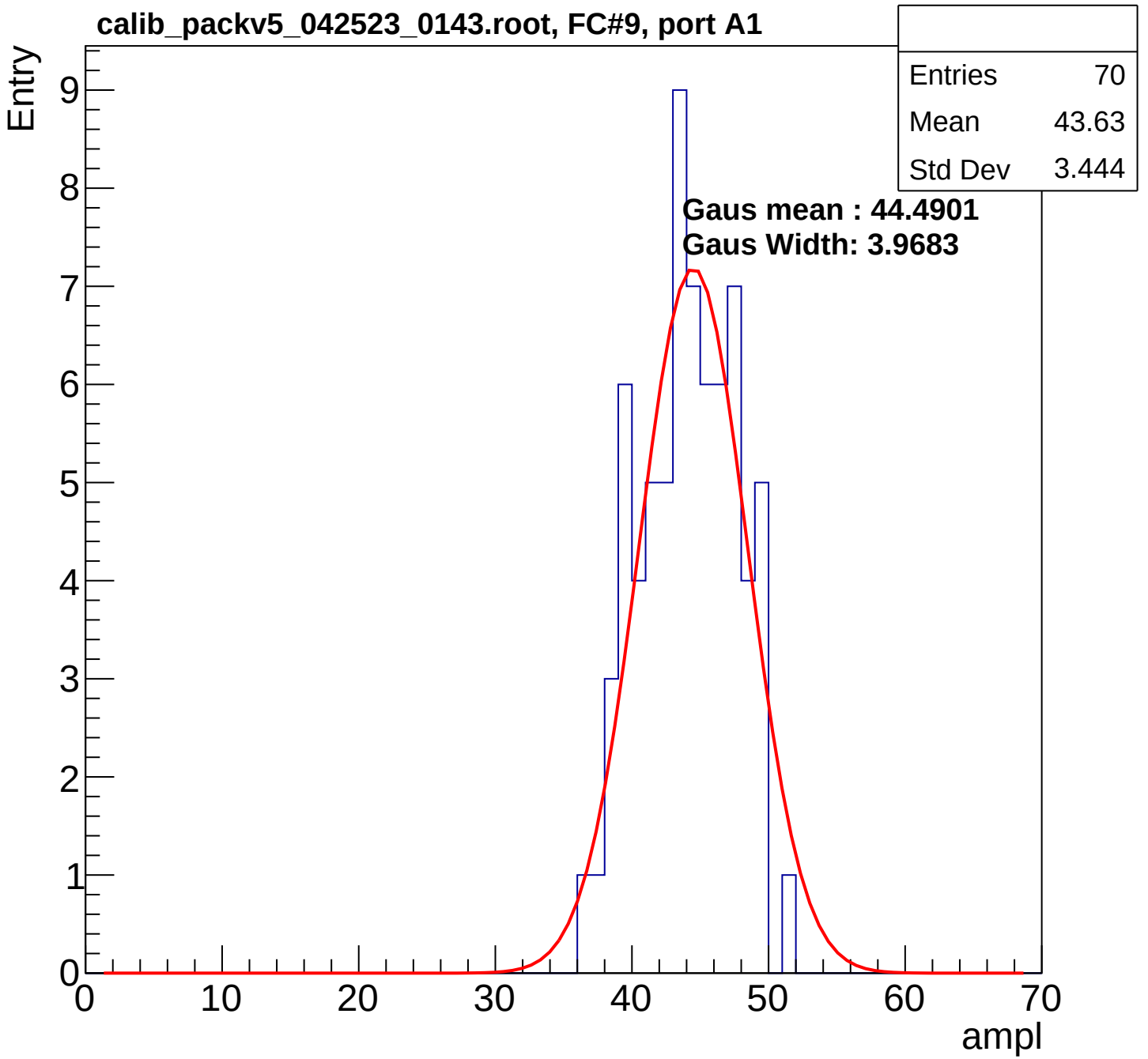
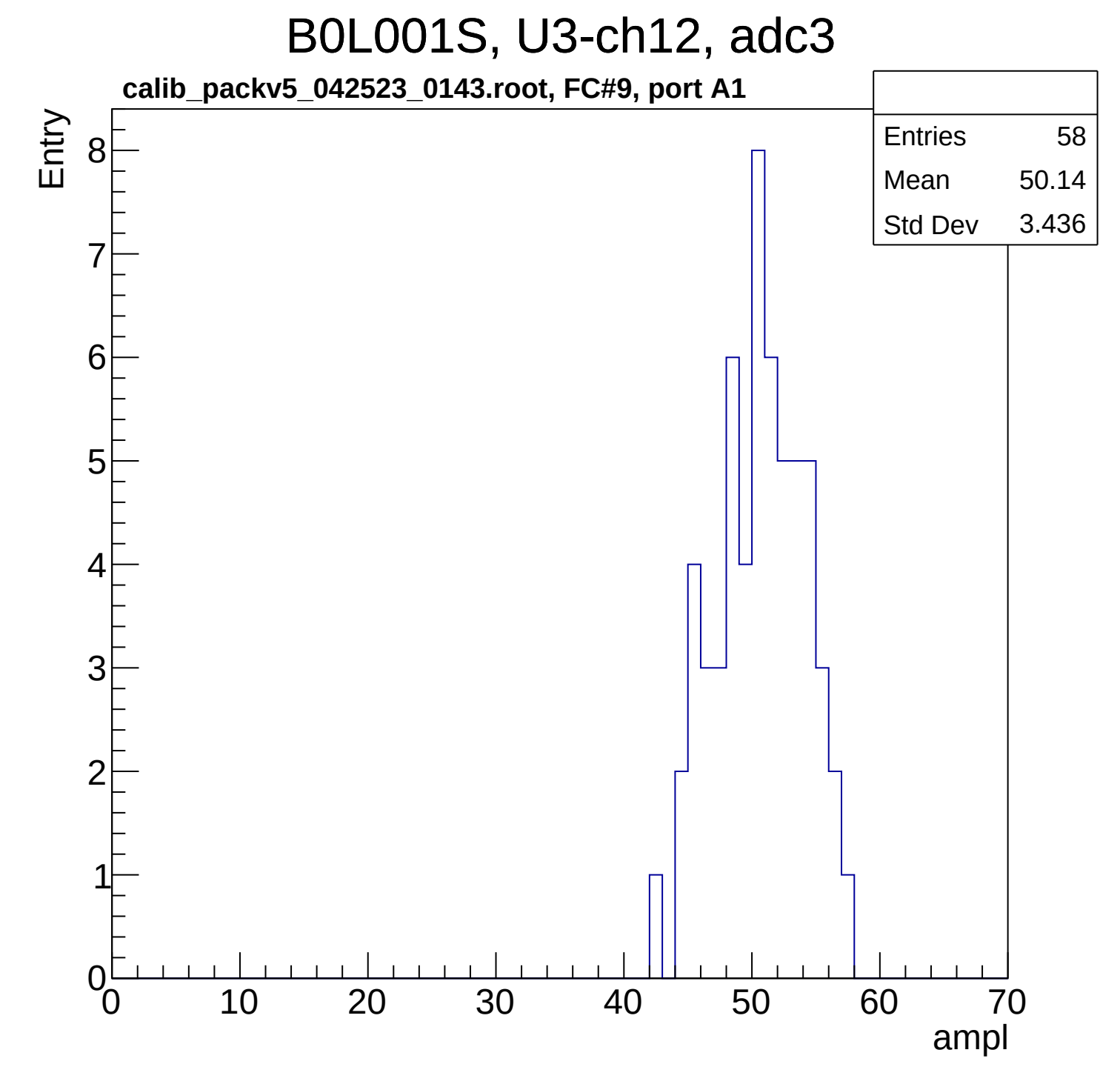

B0L001S, U3-ch11, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 61.29
Std Dev 1.385
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

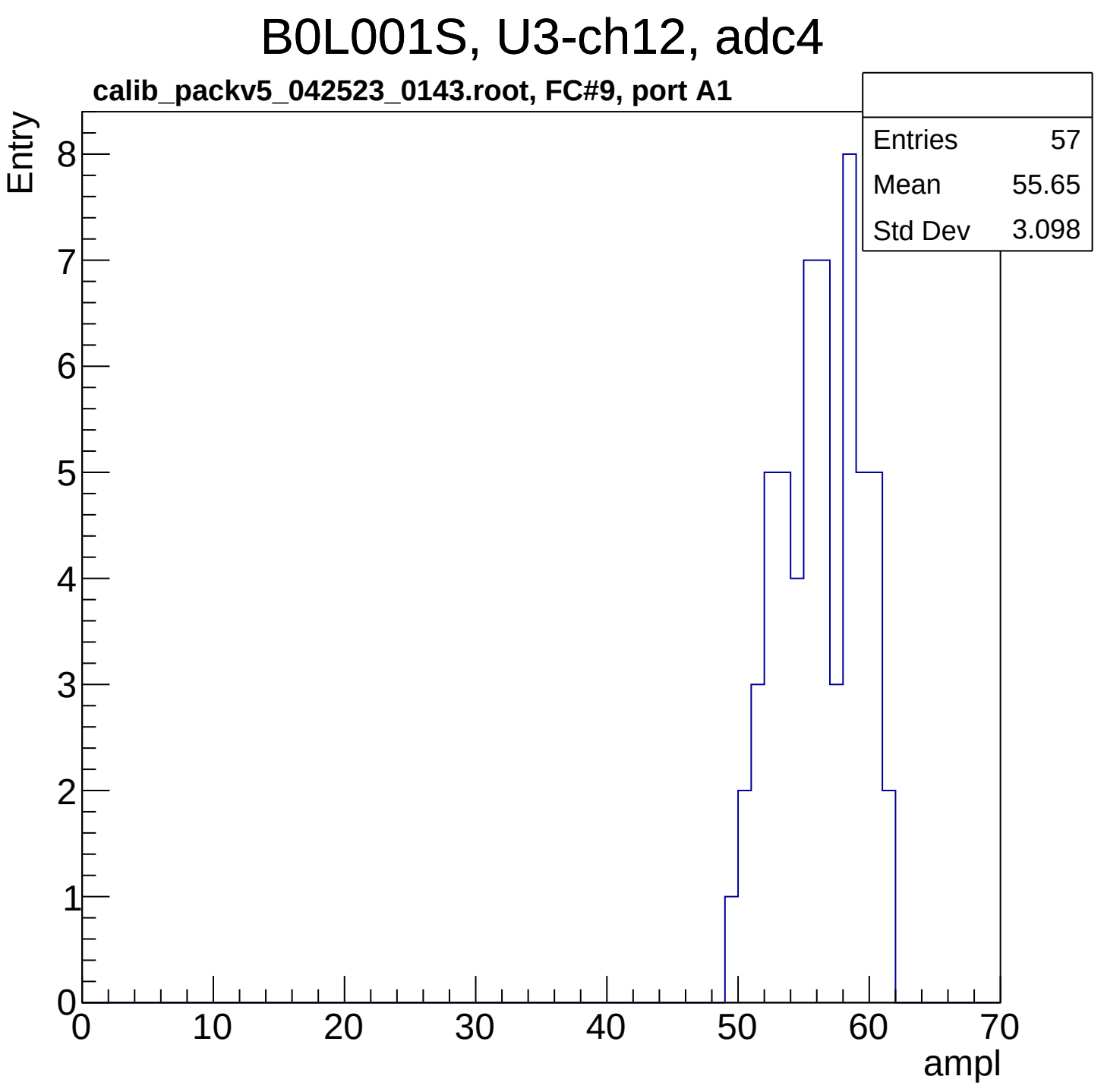

B0L001S, U3-ch11, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

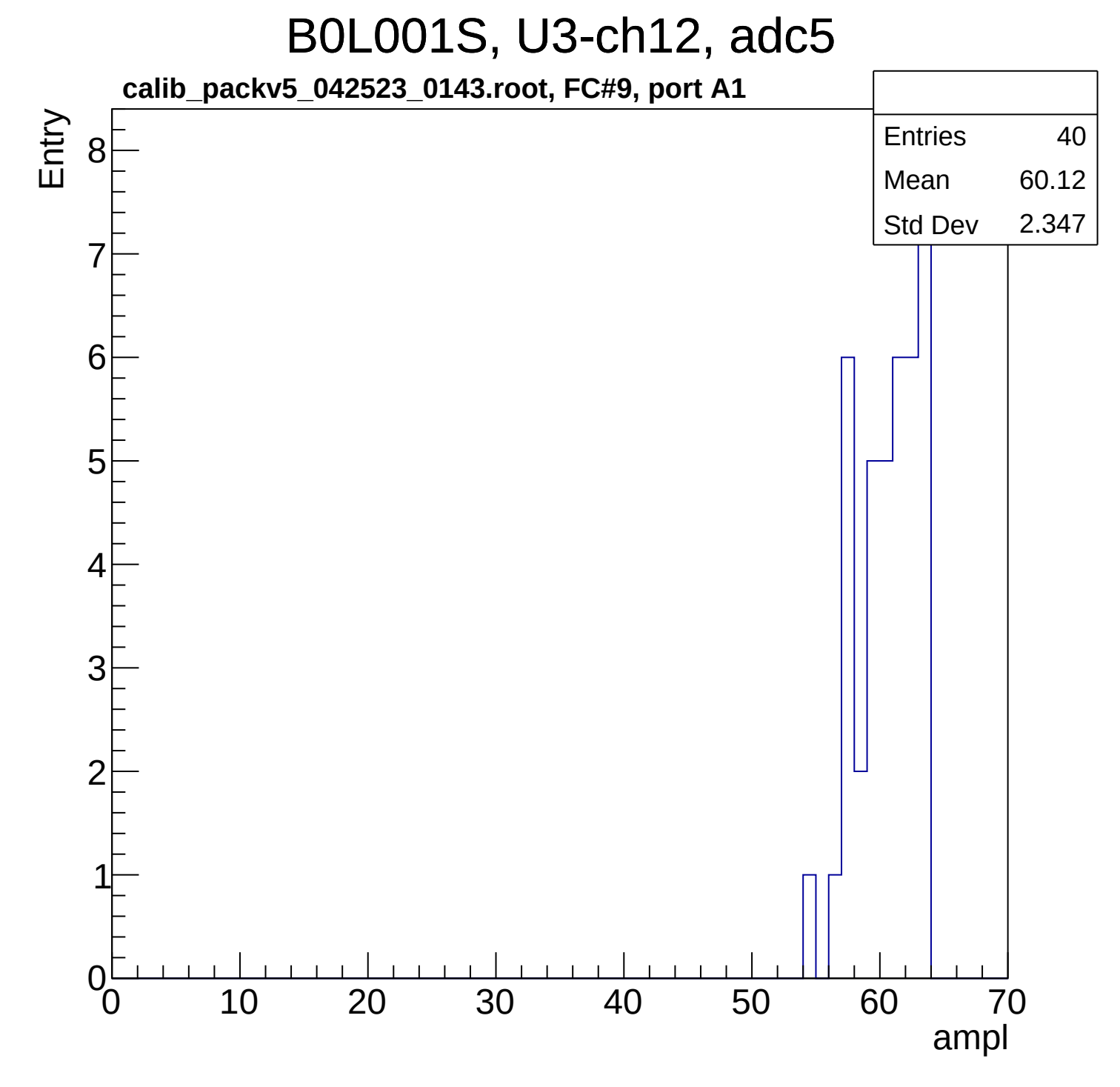

B0L001S, U3-ch12, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 29.7
Std Dev 4.823
Gaus mean : 30.9806
Gaus Width: 2.4559
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

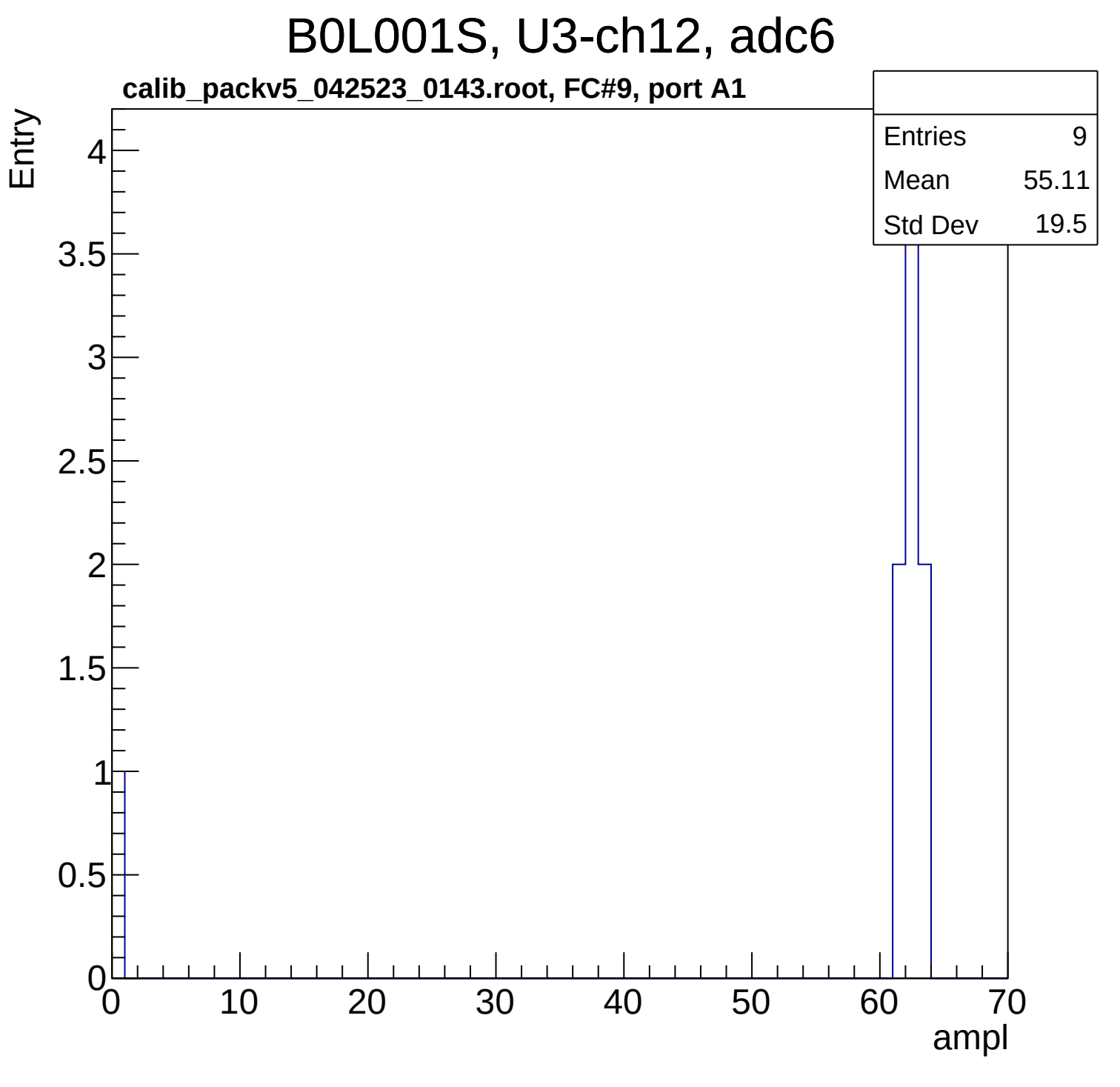

B0L001S, U3-ch12, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 36.84
Std Dev 3.412
Gaus mean : 37.0651
Gaus Width: 3.6238
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

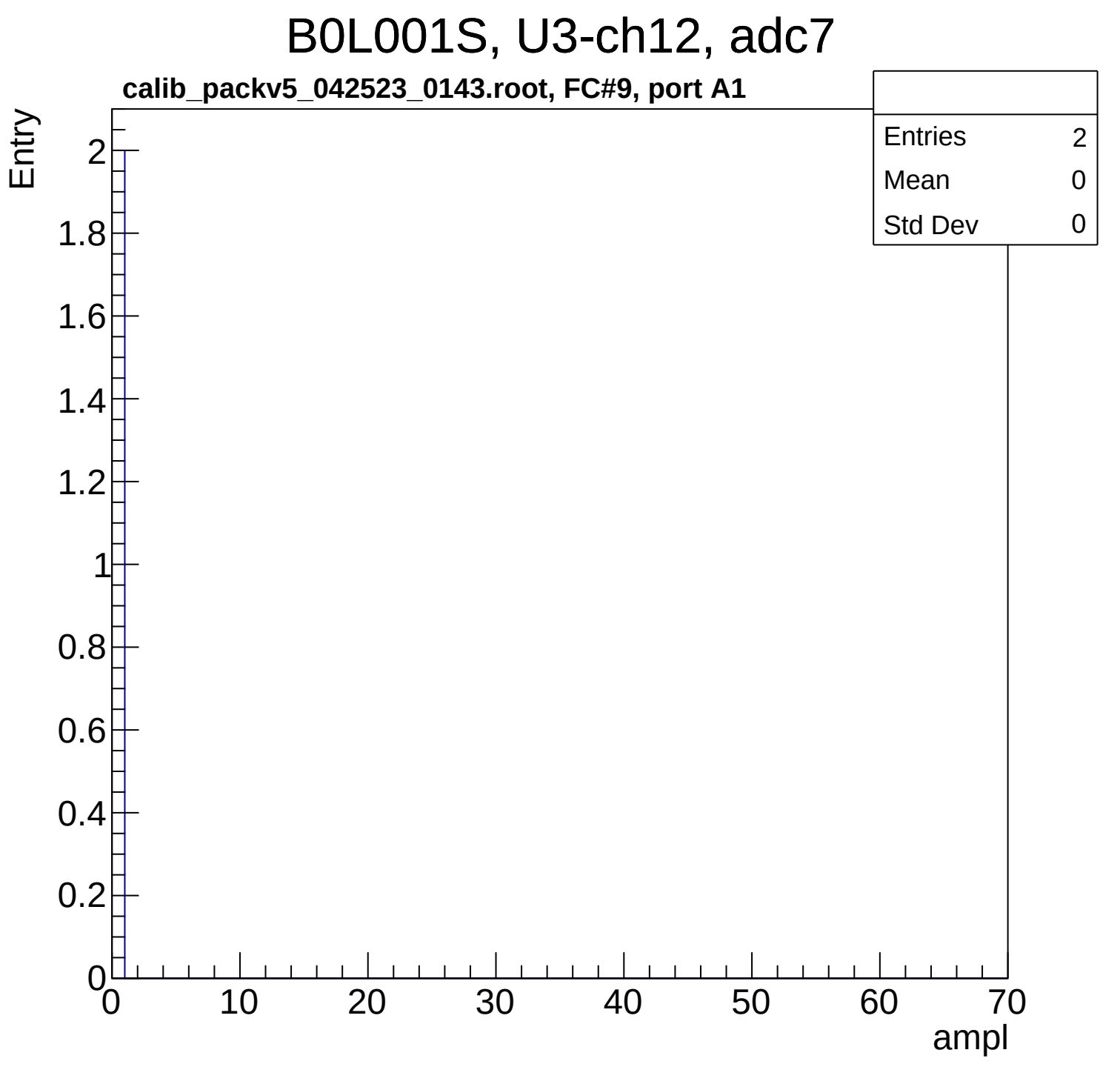

B0L001S, U3-ch12, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 43.63
Std Dev 3.444
Gaus mean : 44.4901
Gaus Width: 3.9683
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

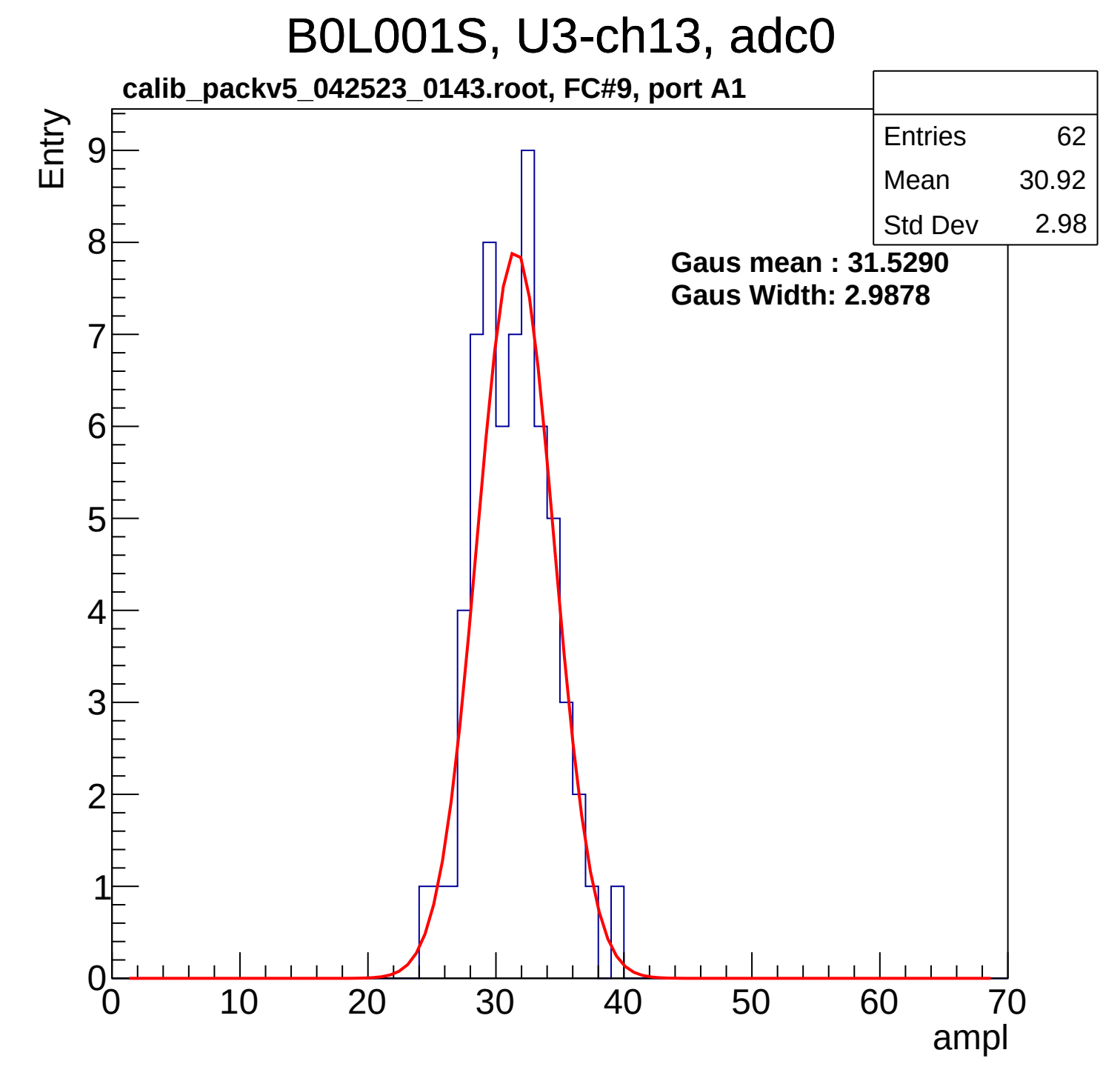

B0L001S, U3-ch12, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 50.14
Std Dev 3.436
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

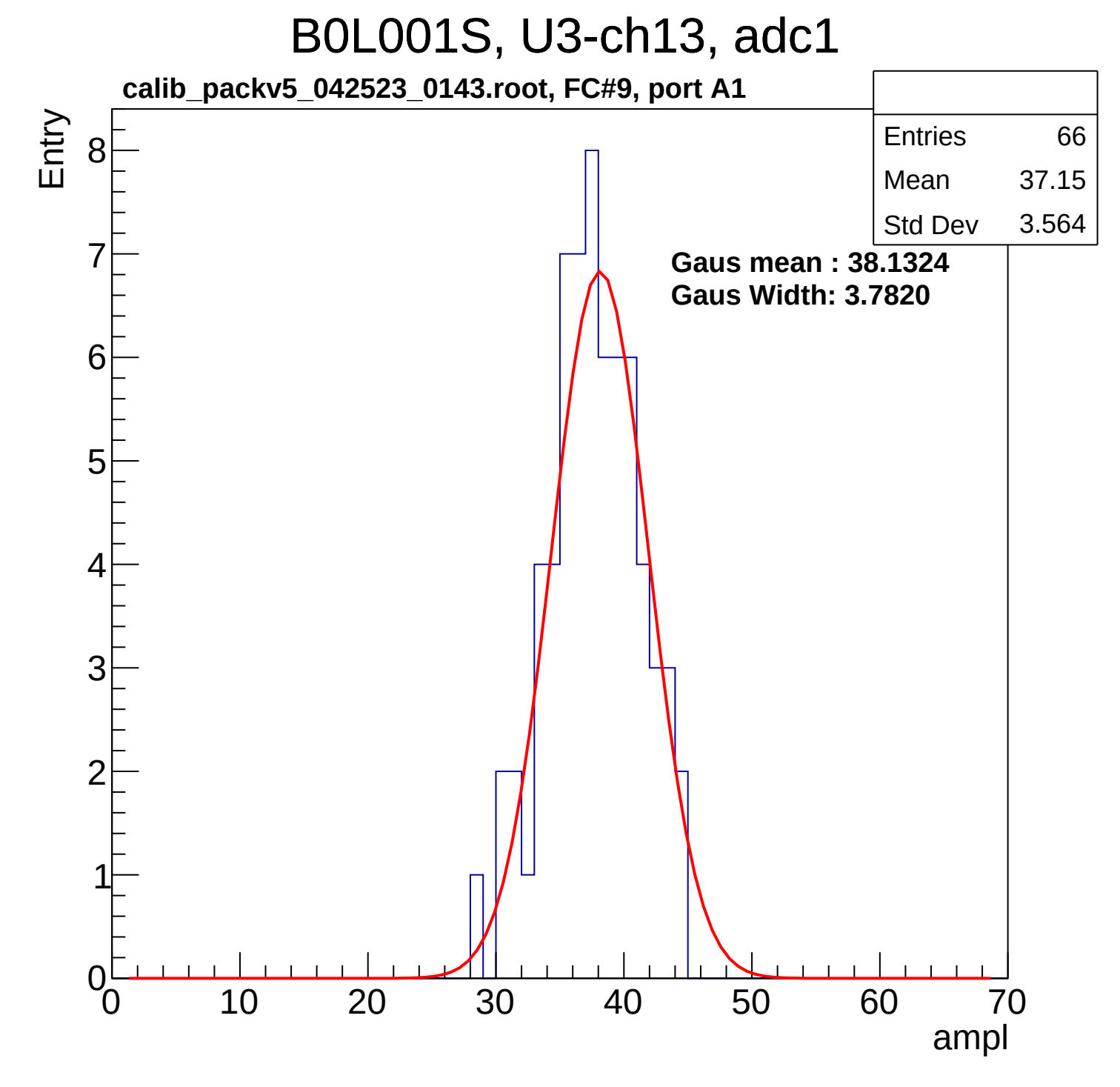

B0L001S, U3-ch12, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 55.65
Std Dev 3.098
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

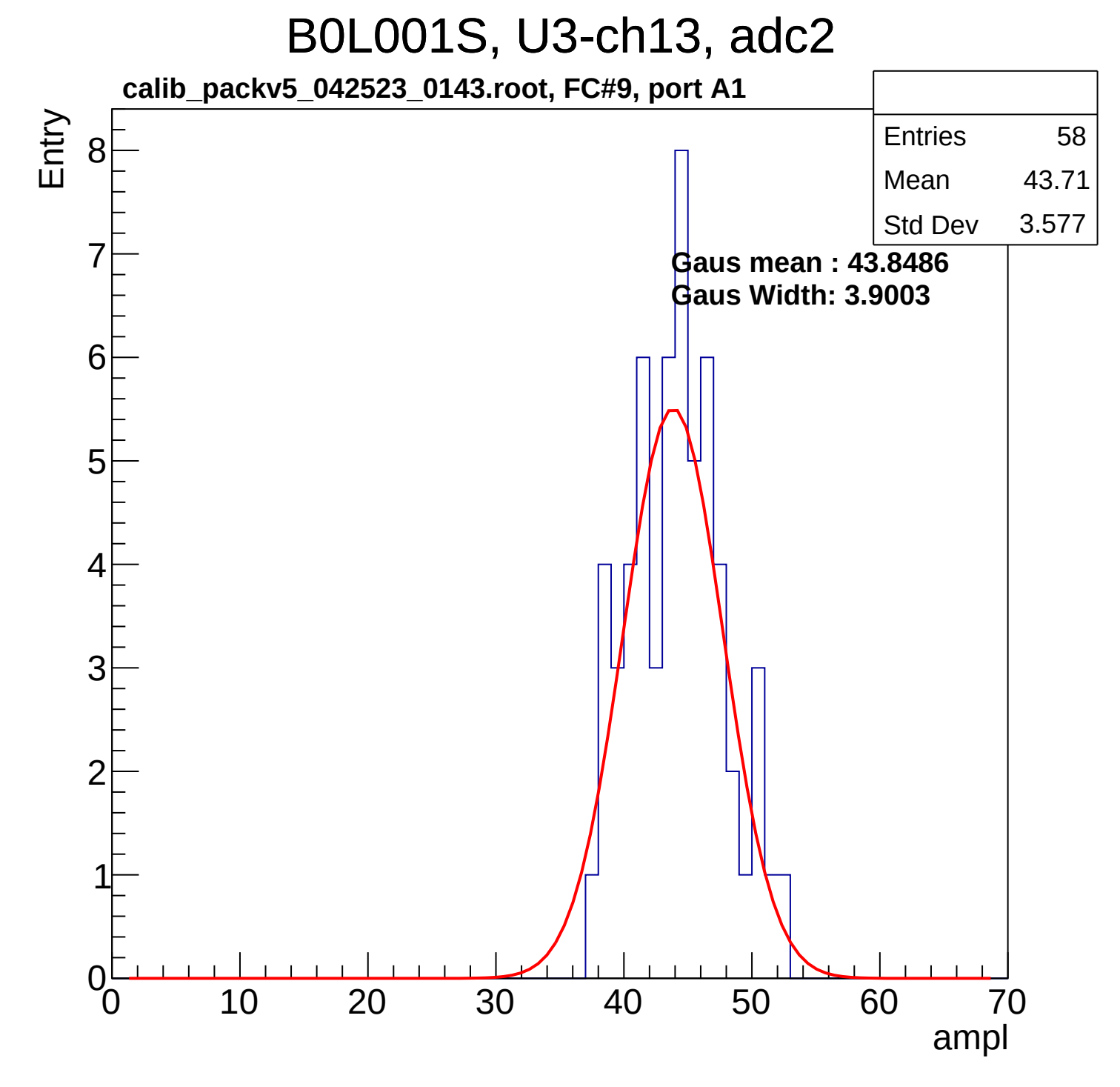

B0L001S, U3-ch12, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 60.12
Std Dev 2.347
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

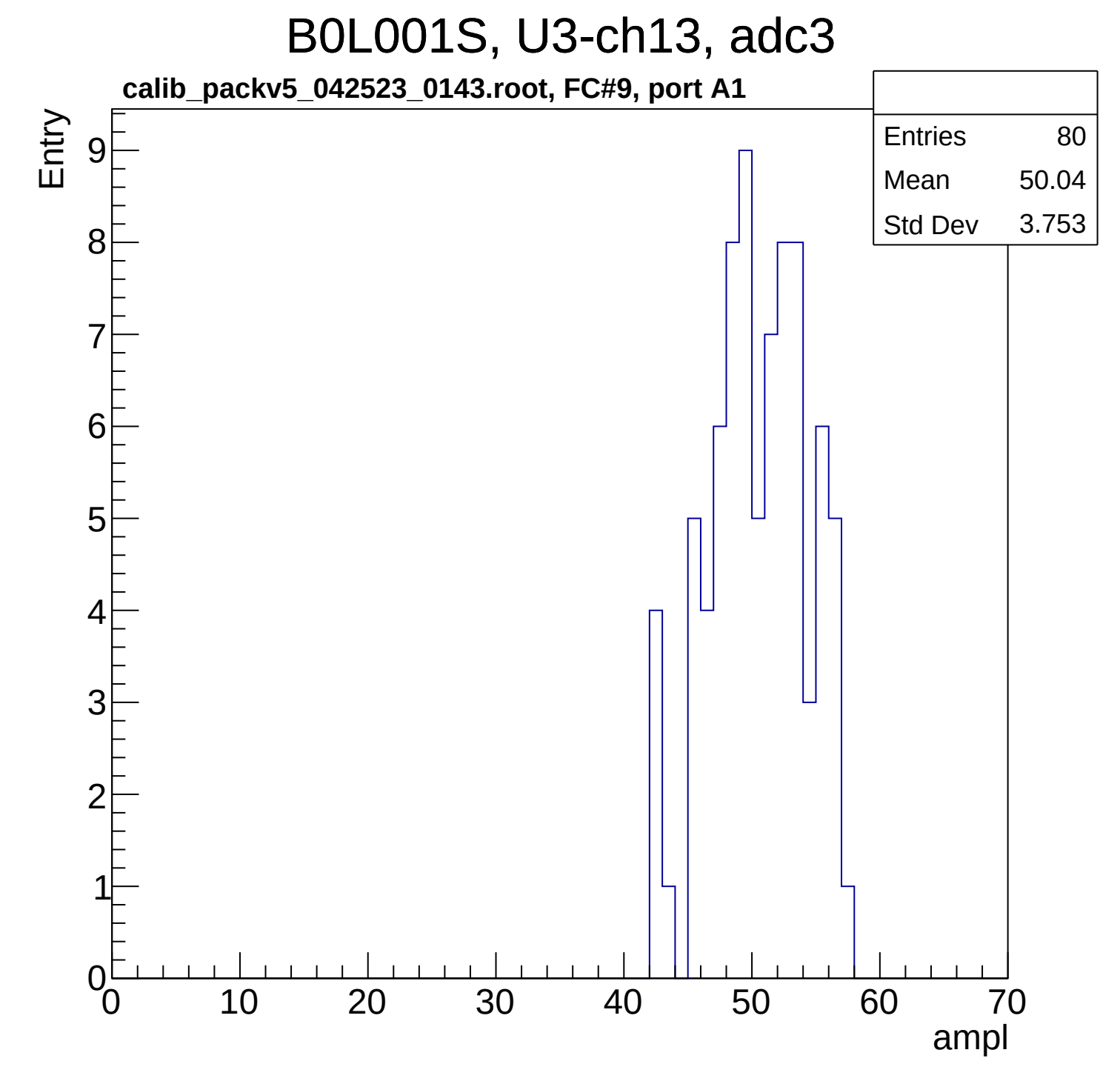

B0L001S, U3-ch12, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 55.11
Std Dev 19.5
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70

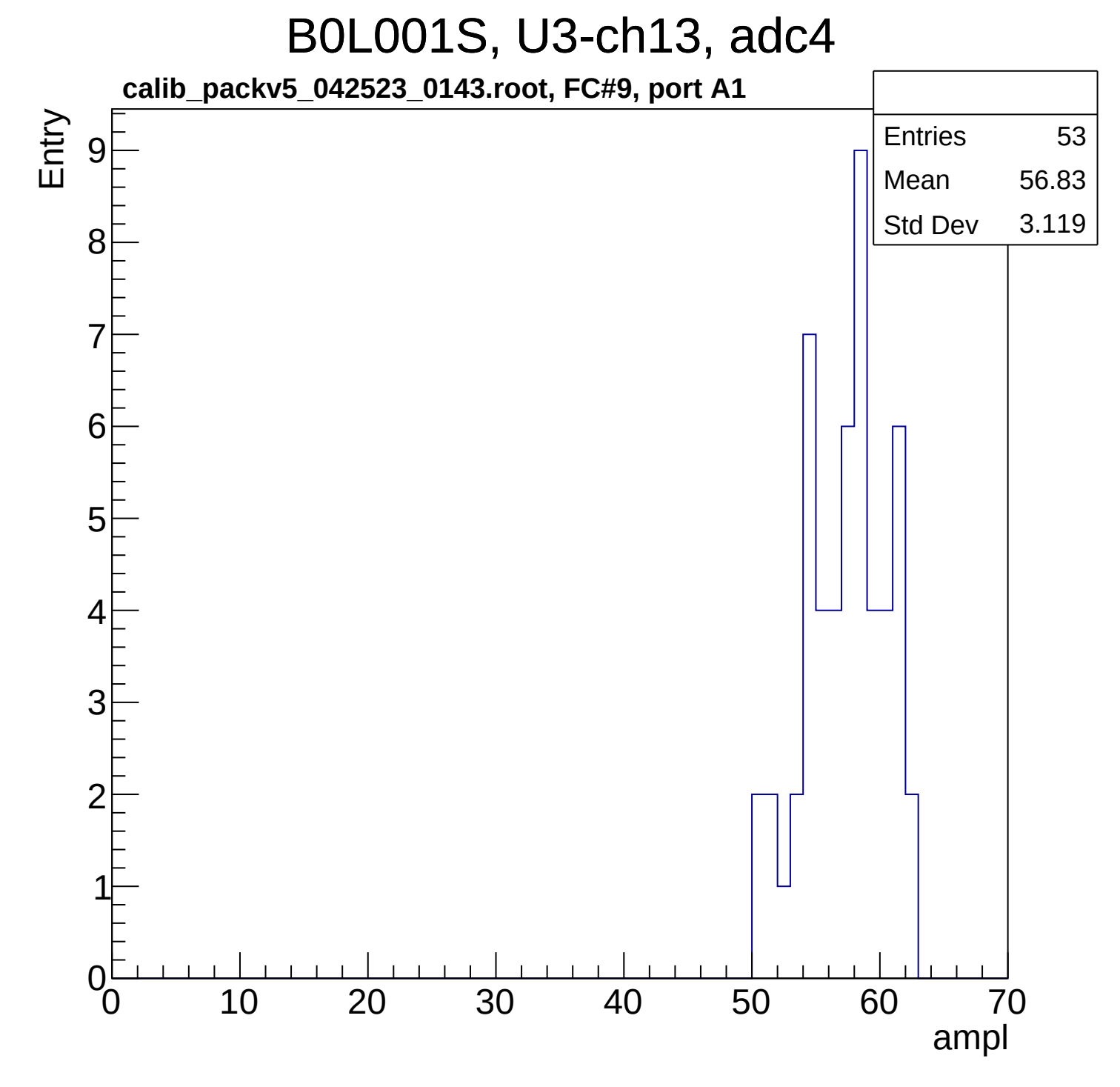

B0L001S, U3-ch12, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

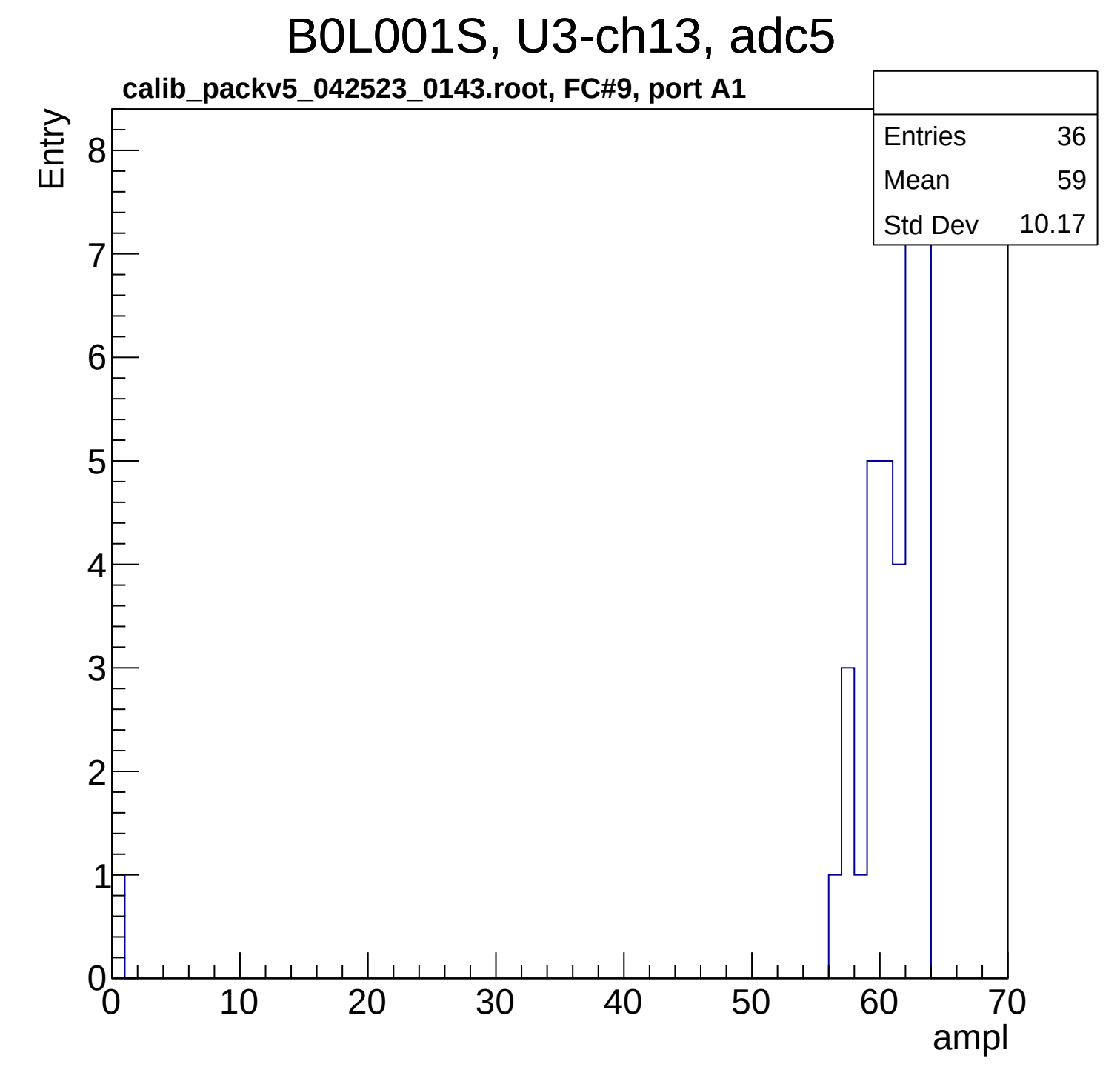

B0L001S, U3-ch13, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 30.92
Std Dev 2.98
Gaus mean : 31.5290
Gaus Width: 2.9878
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.15
Std Dev 3.564
Gaus mean : 38.1324
Gaus Width: 3.7820
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 43.71
Std Dev 3.577
Gaus mean : 43.8486
Gaus Width: 3.9003
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 50.04
Std Dev 3.753
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 56.83
Std Dev 3.119
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 59
Std Dev 10.17
Entry
ampl
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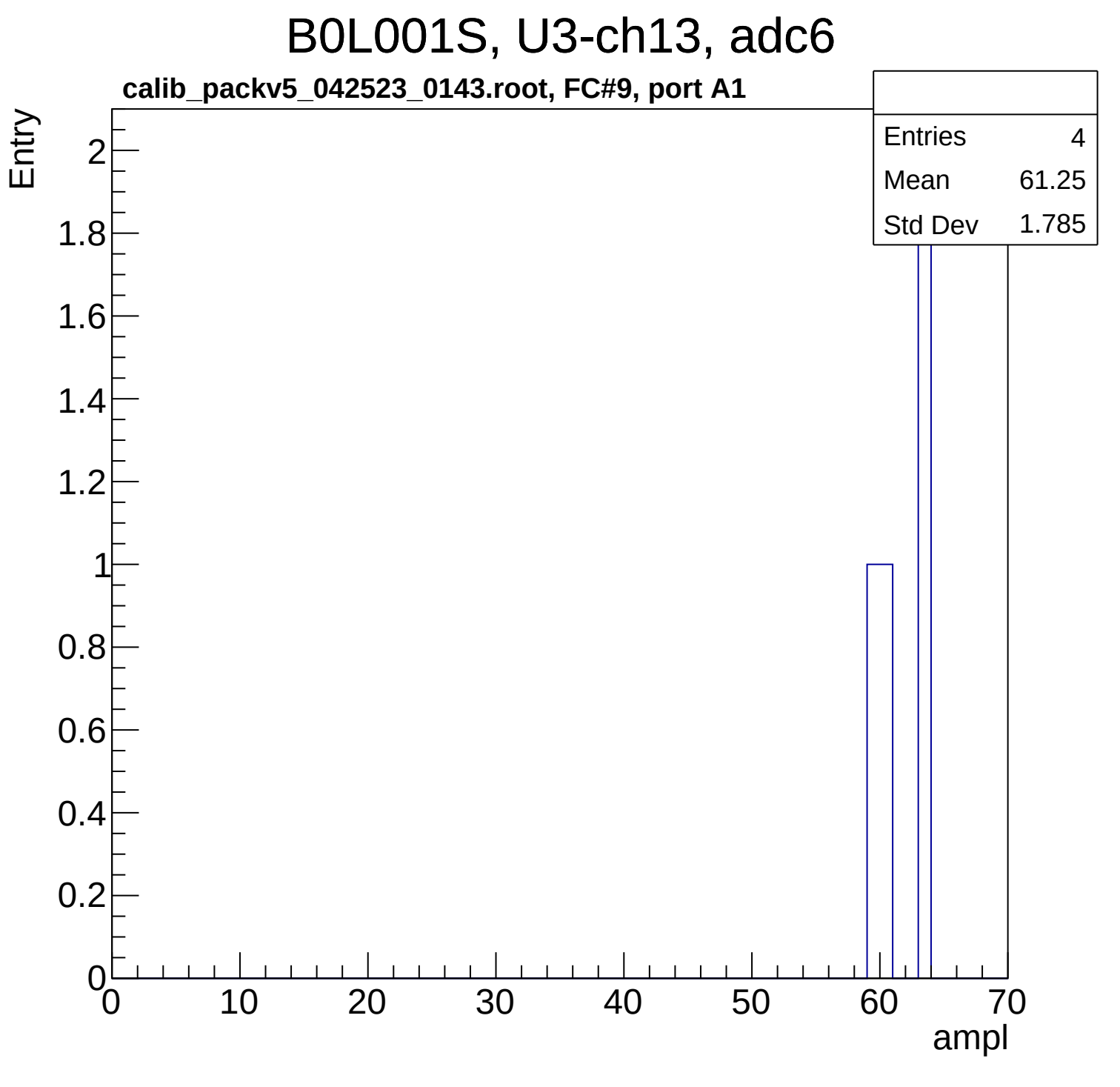
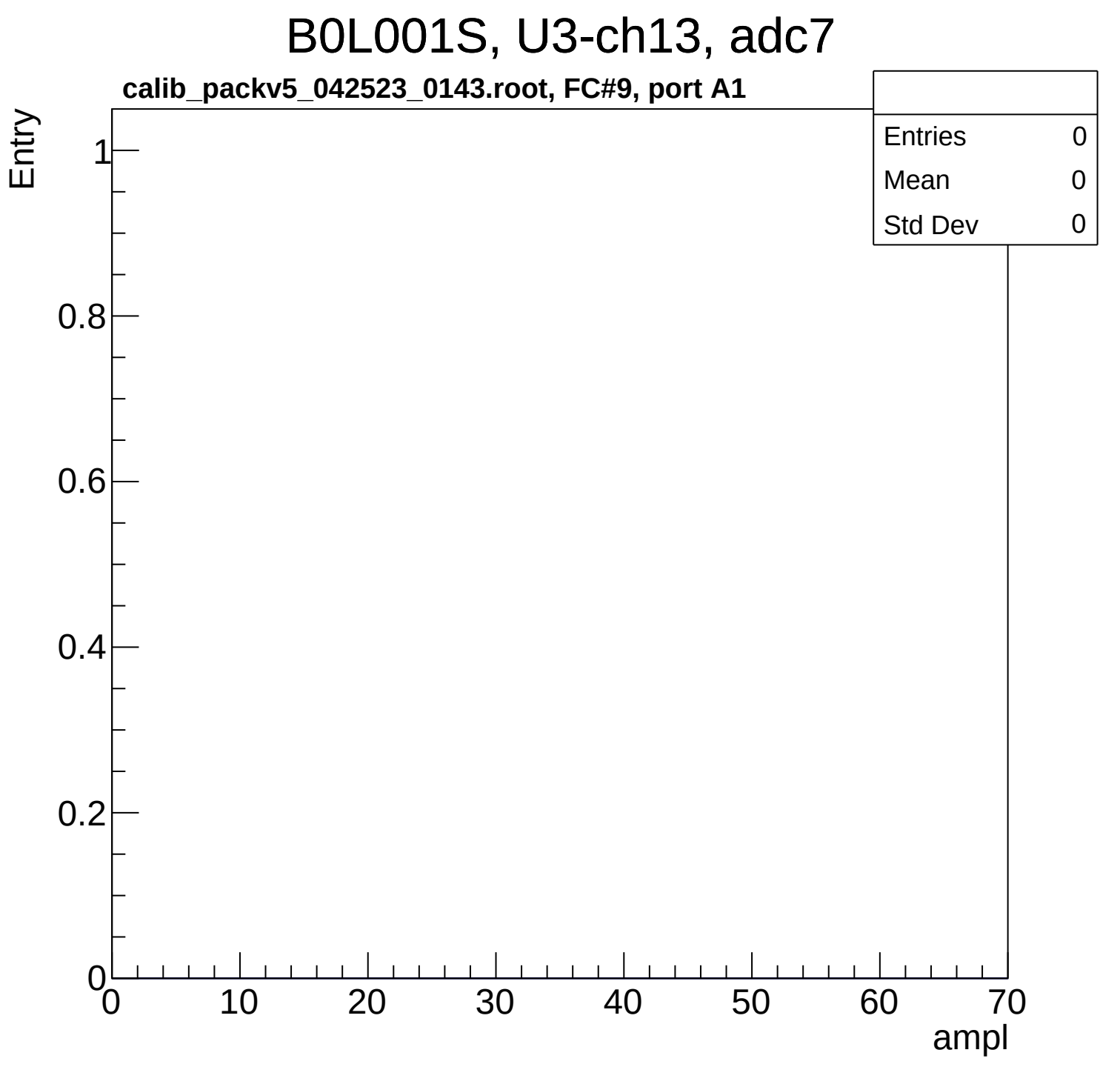
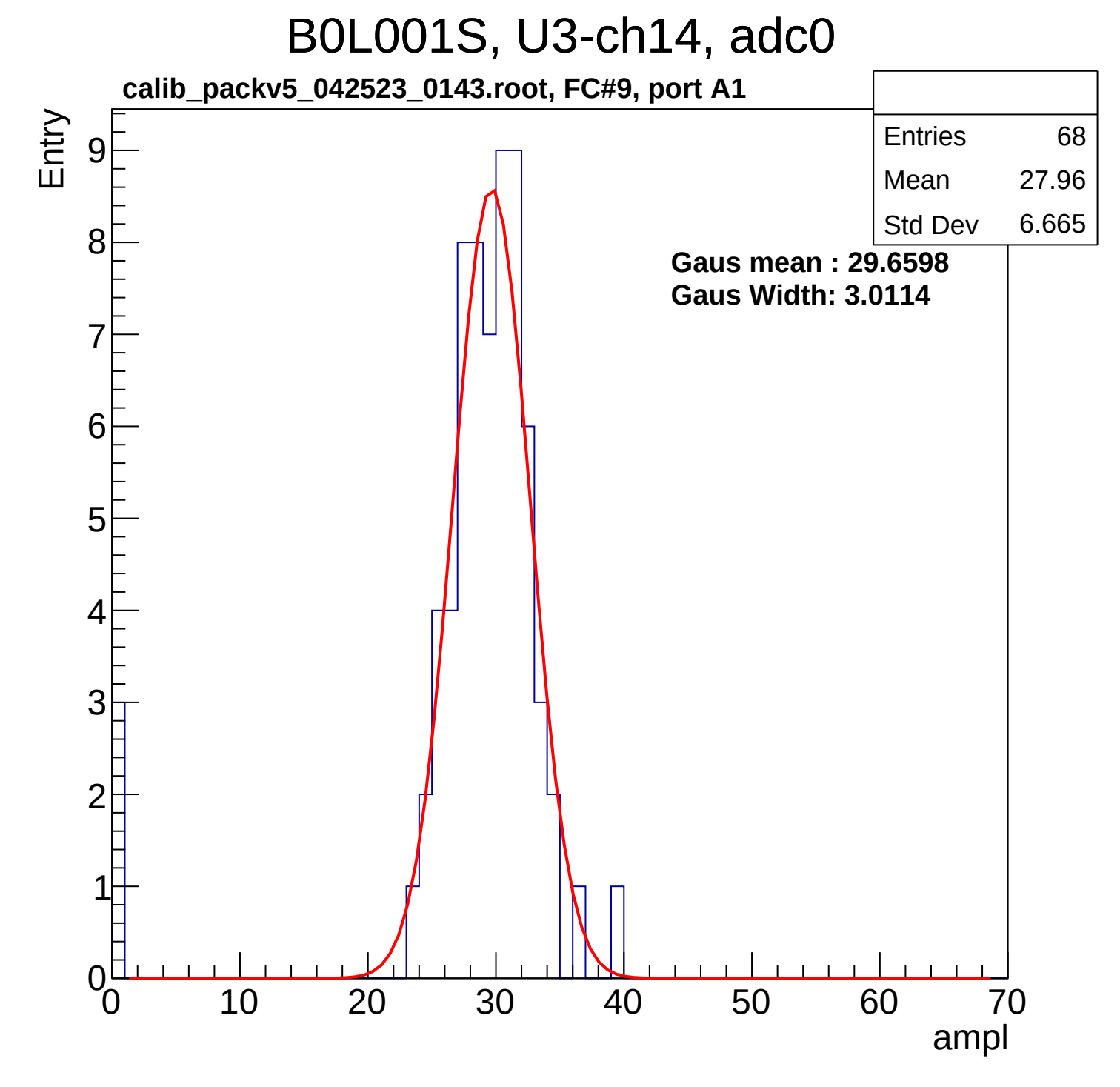
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch13, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 61.25
Std Dev 1.785
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


B0L001S, U3-ch13, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch14, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 27.96
Std Dev 6.665
Gaus mean : 29.6598
Gaus Width: 3.0114
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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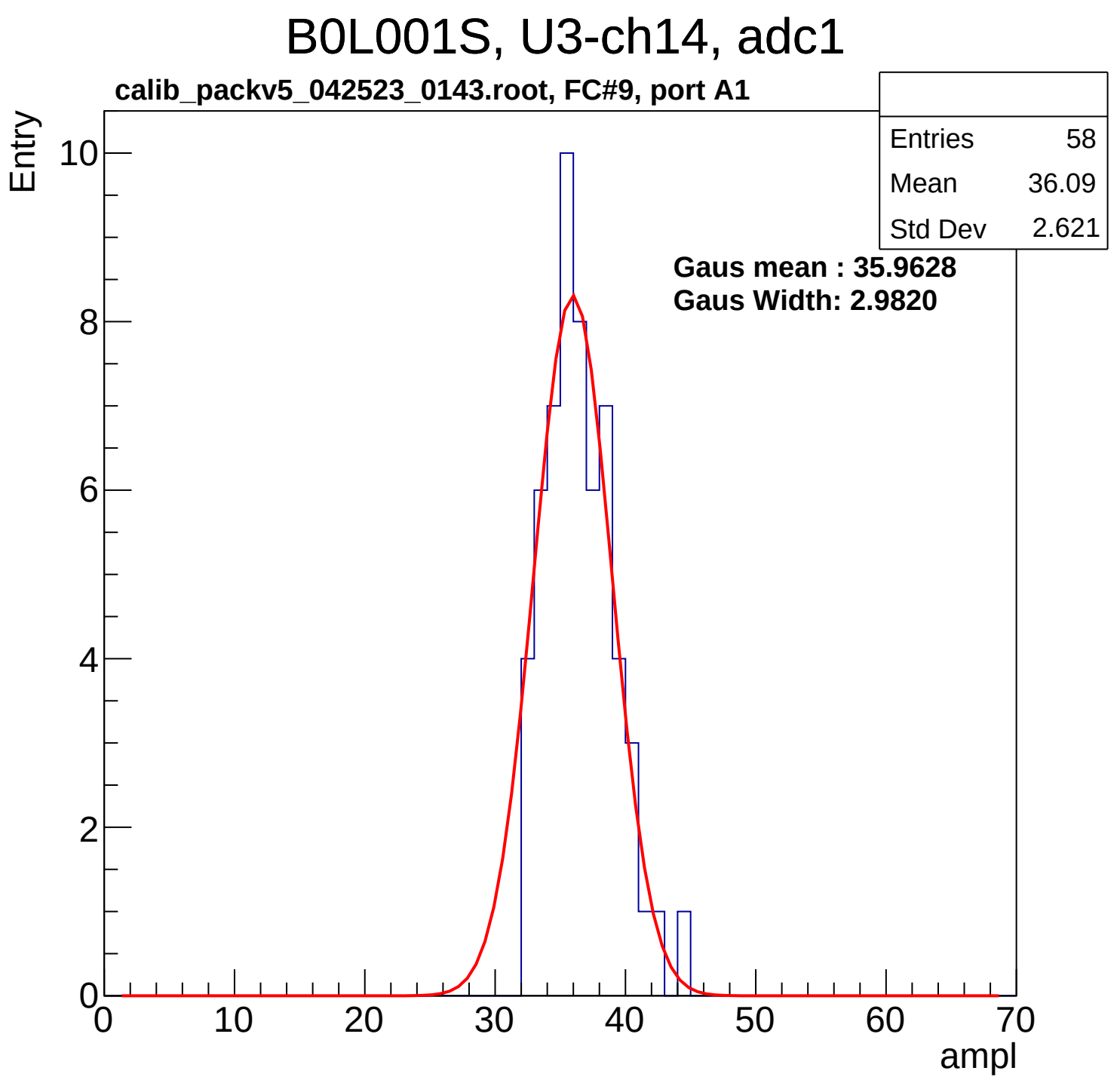
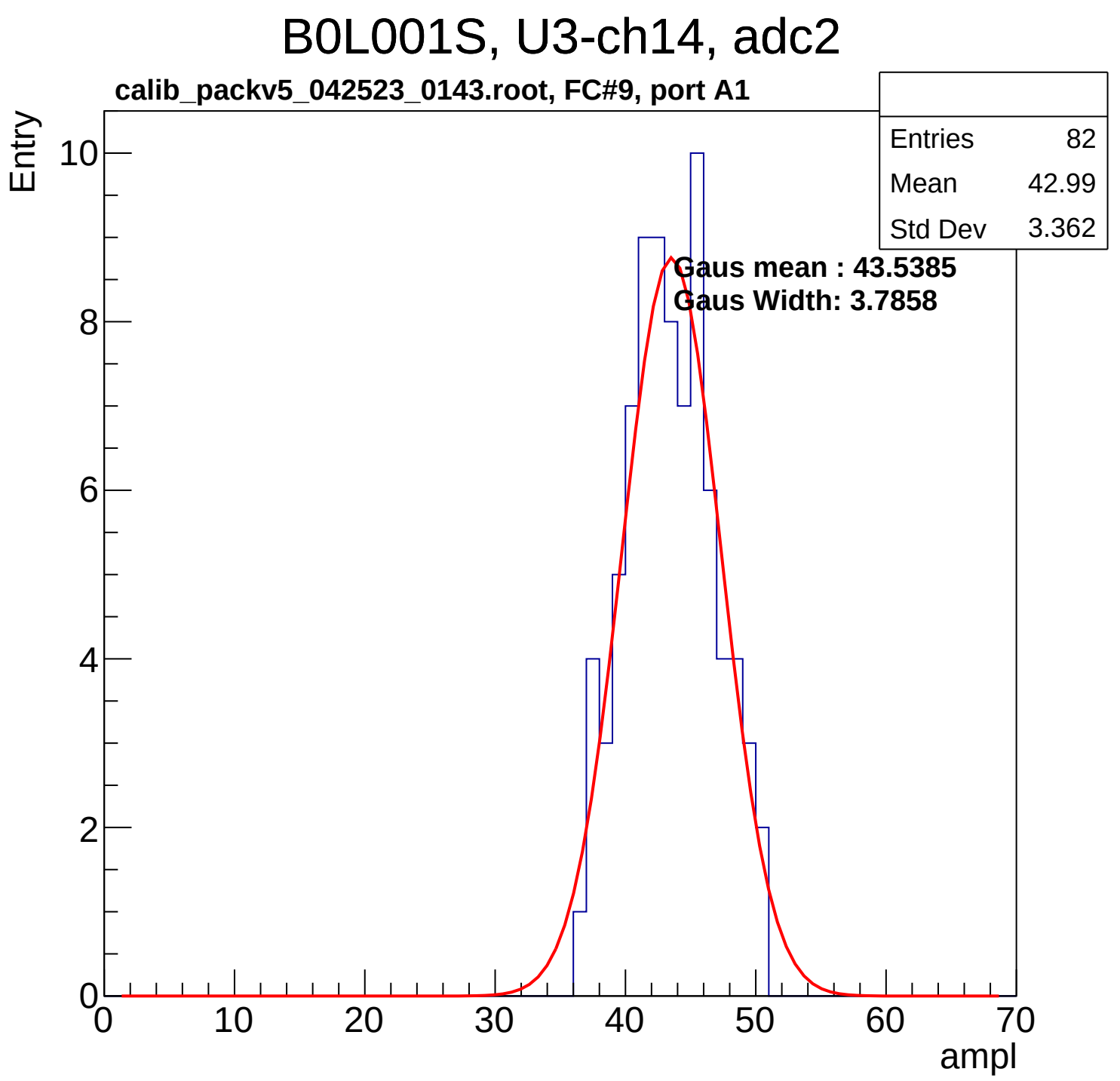
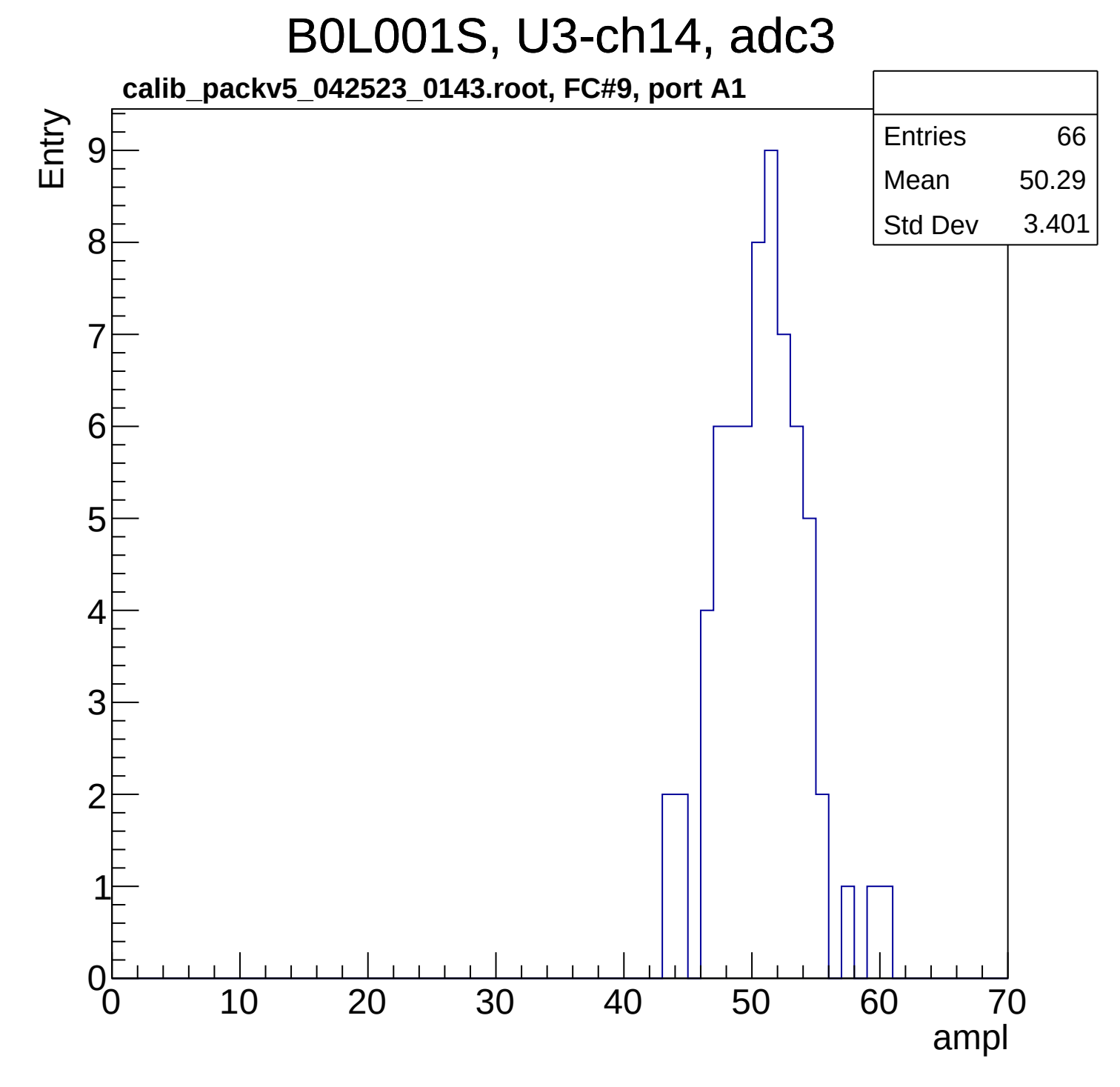

B0L001S, U3-ch14, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 36.09
Std Dev 2.621
Gaus mean : 35.9628
Gaus Width: 2.9820
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch14, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 42.99
Std Dev 3.362
Gaus mean : 43.5385
Gaus Width: 3.7858
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch14, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 50.29
Std Dev 3.401
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
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60
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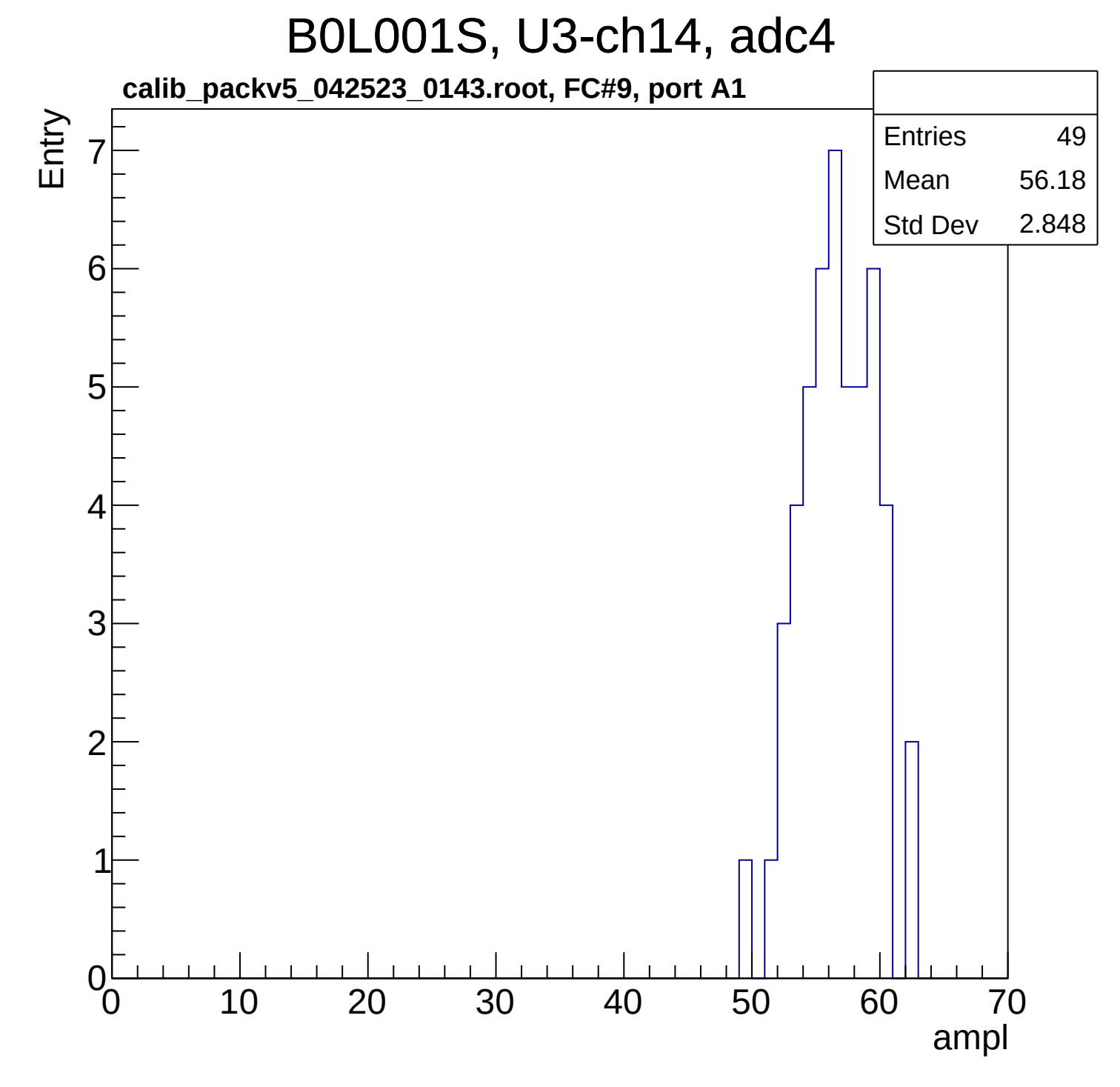
B0L001S, U3-ch14, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 56.18
Std Dev 2.848
Entry
ampl
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4
5
6
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0
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20
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40
50
60
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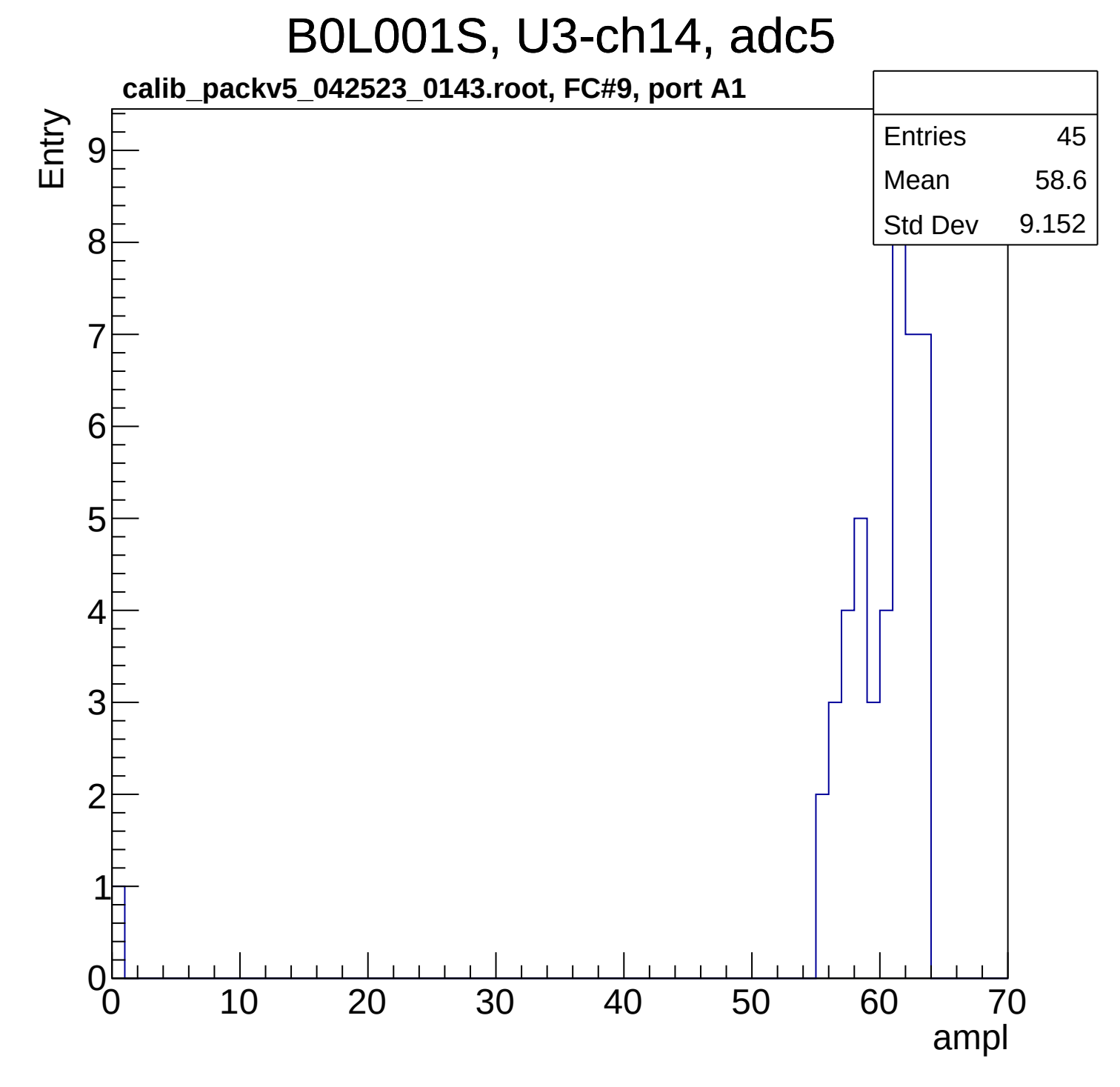
B0L001S, U3-ch14, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 58.6
Std Dev 9.152
Entry
ampl
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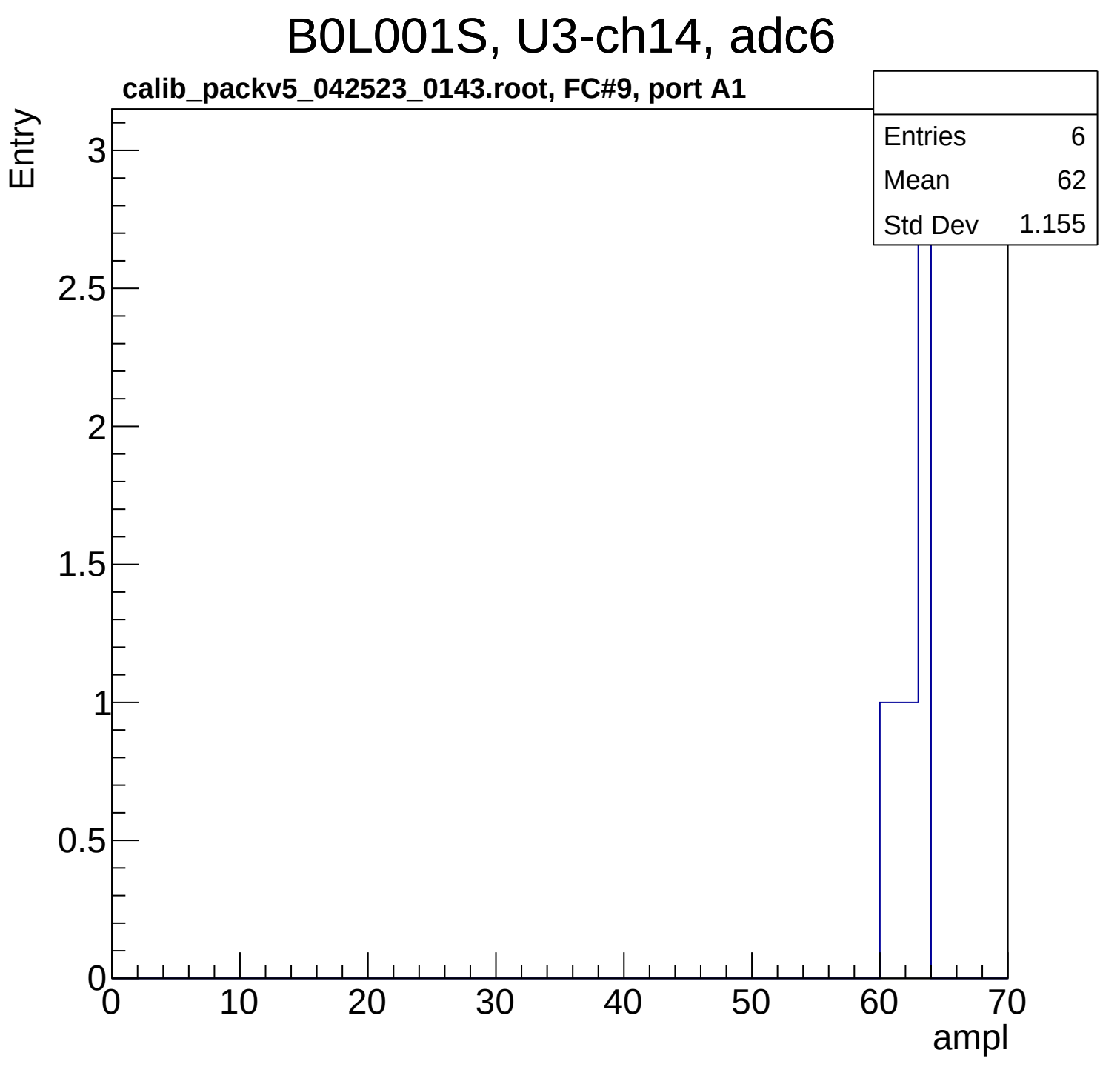
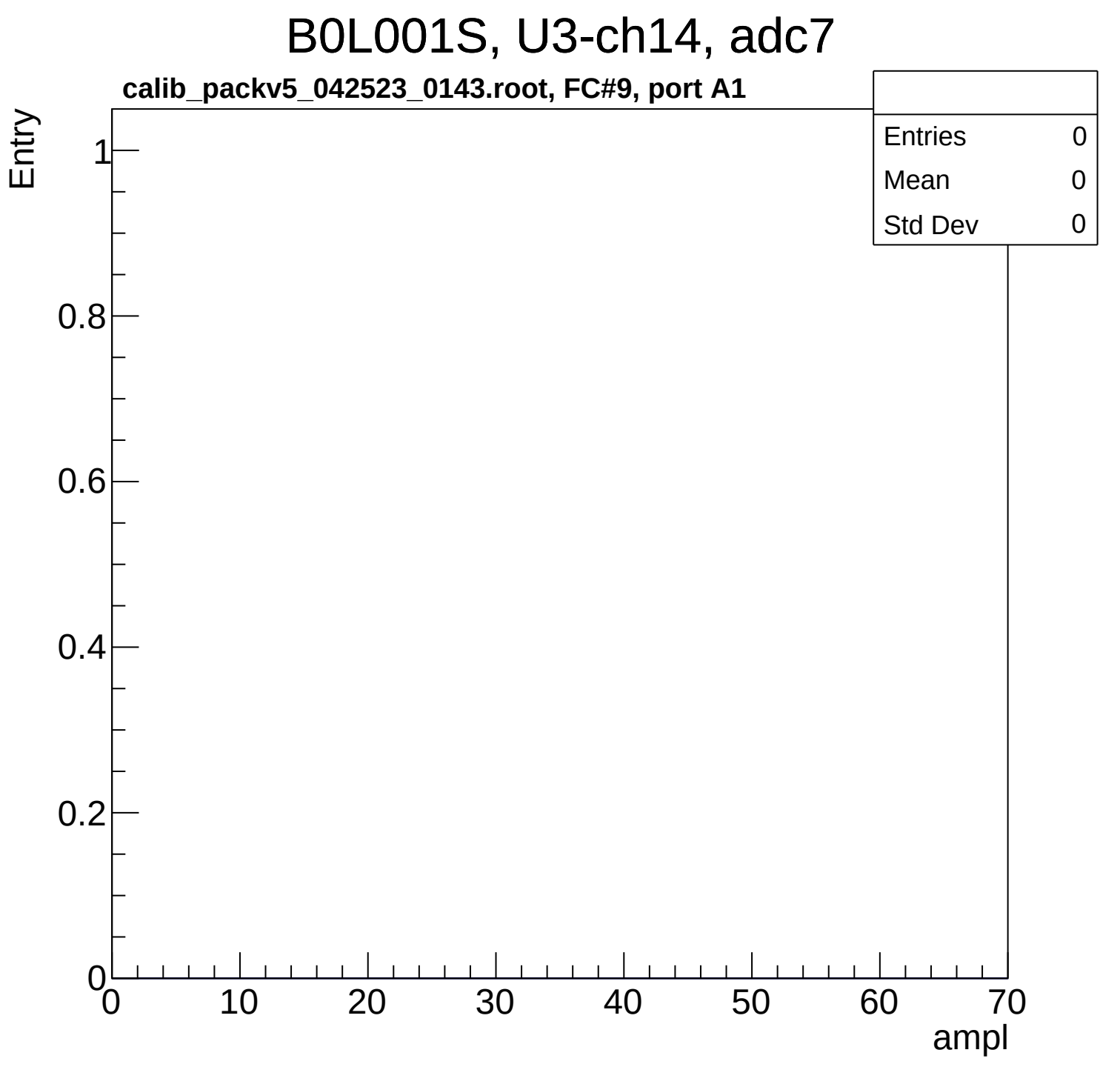
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch14, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 62
Std Dev 1.155
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch14, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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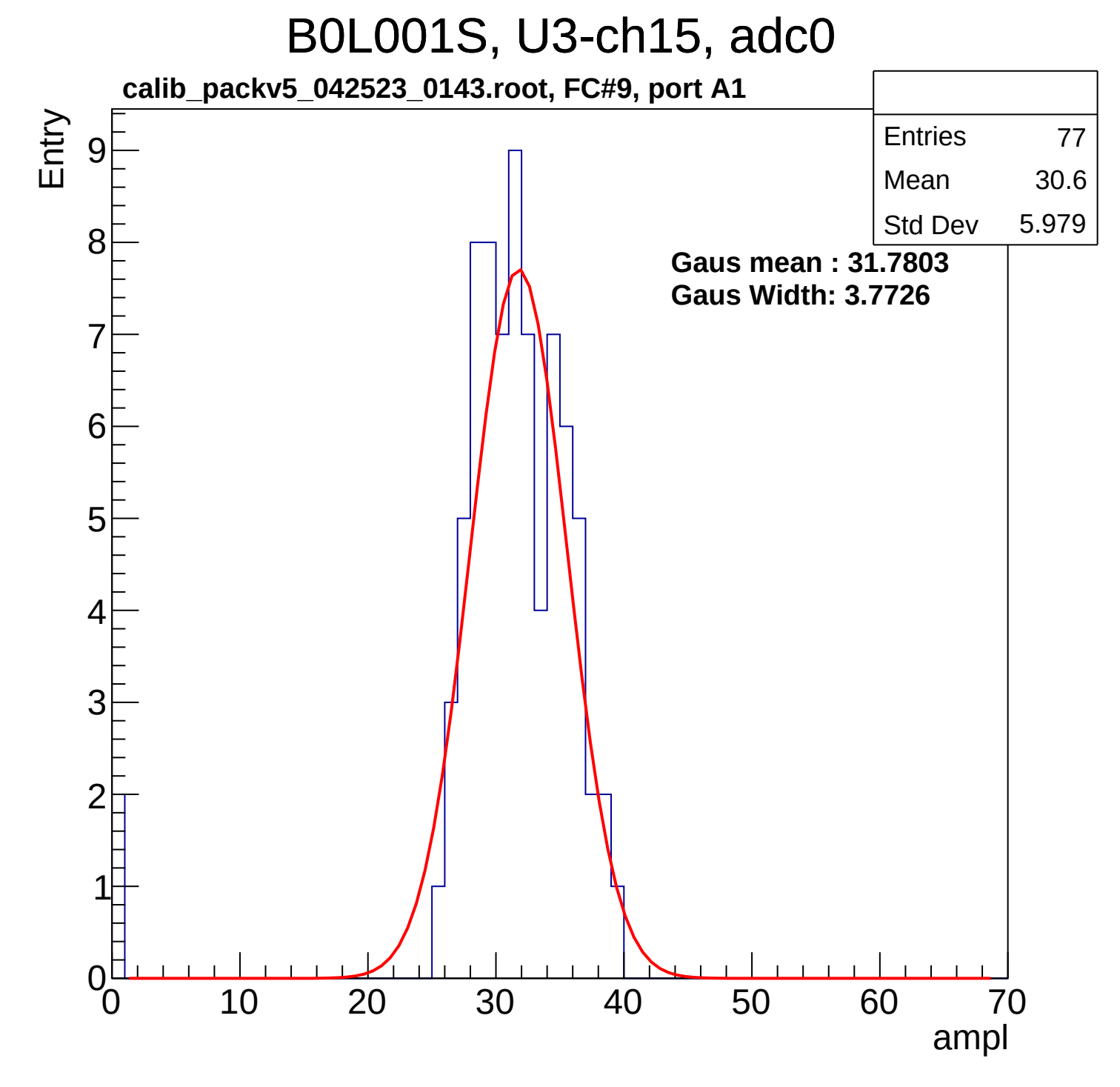
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch15, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 30.6
Std Dev 5.979
Gaus mean : 31.7803
Gaus Width: 3.7726
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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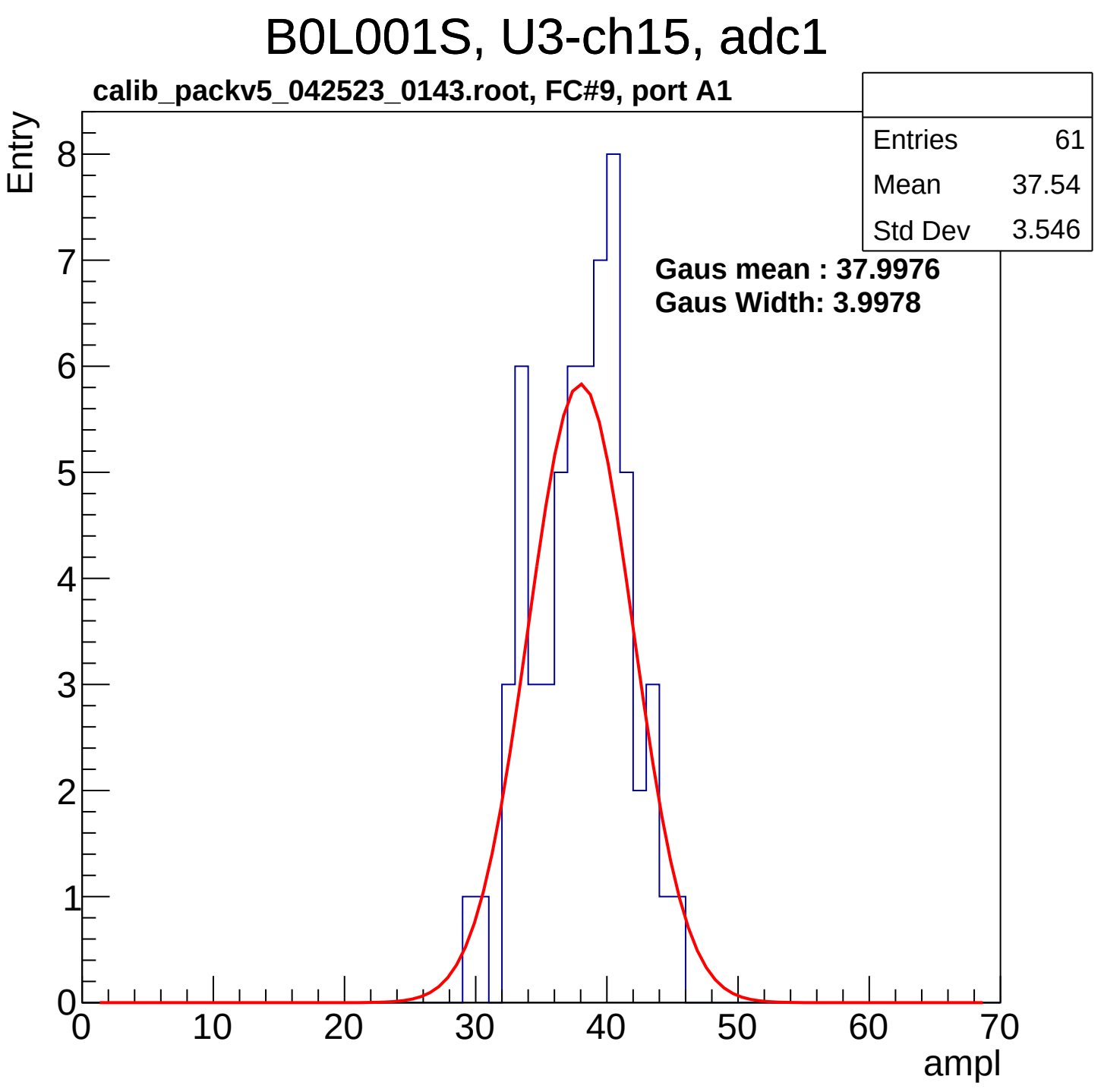
B0L001S, U3-ch15, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 37.54
Std Dev 3.546
Gaus mean : 37.9976
Gaus Width: 3.9978
Entry
ampl
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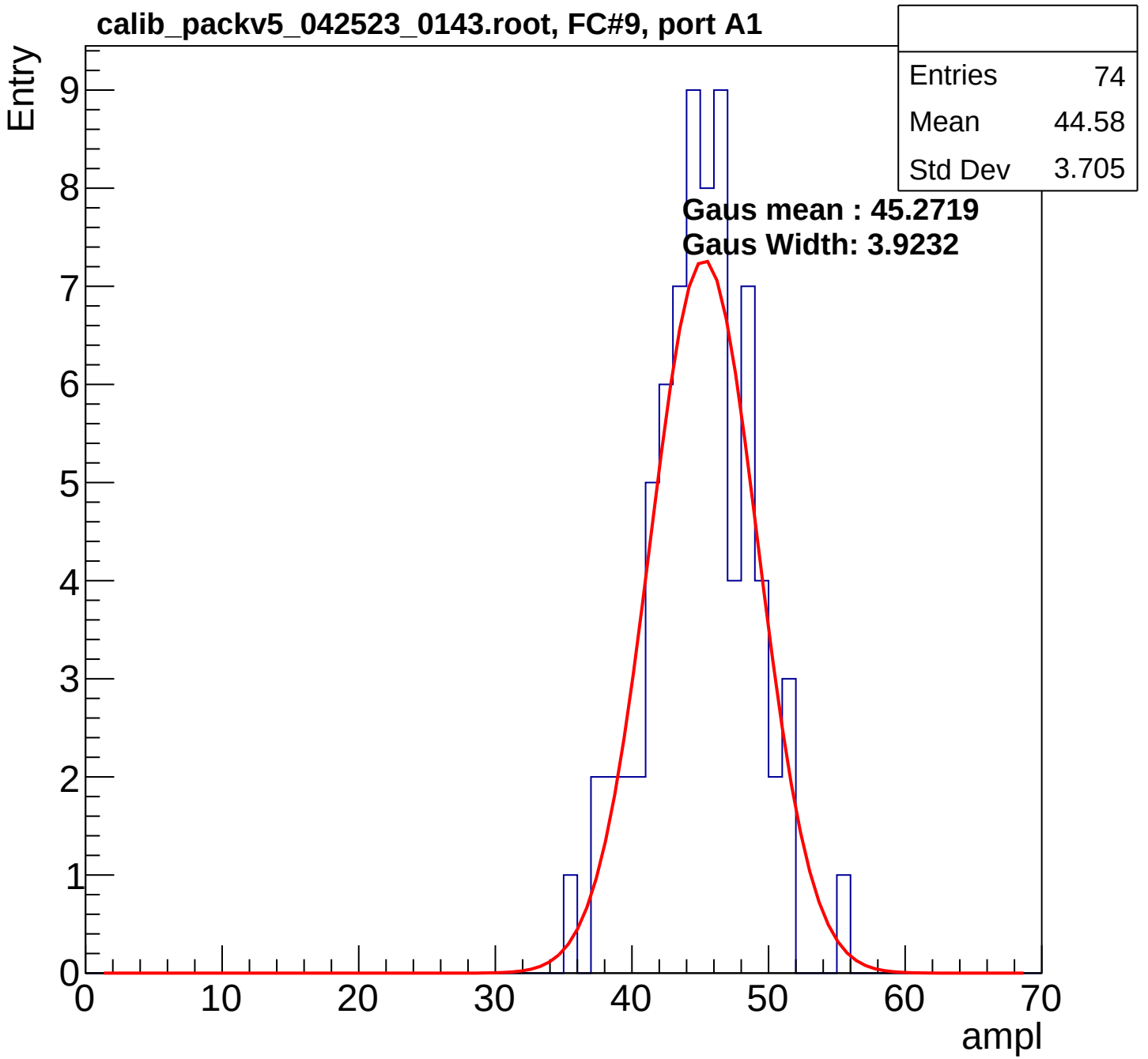
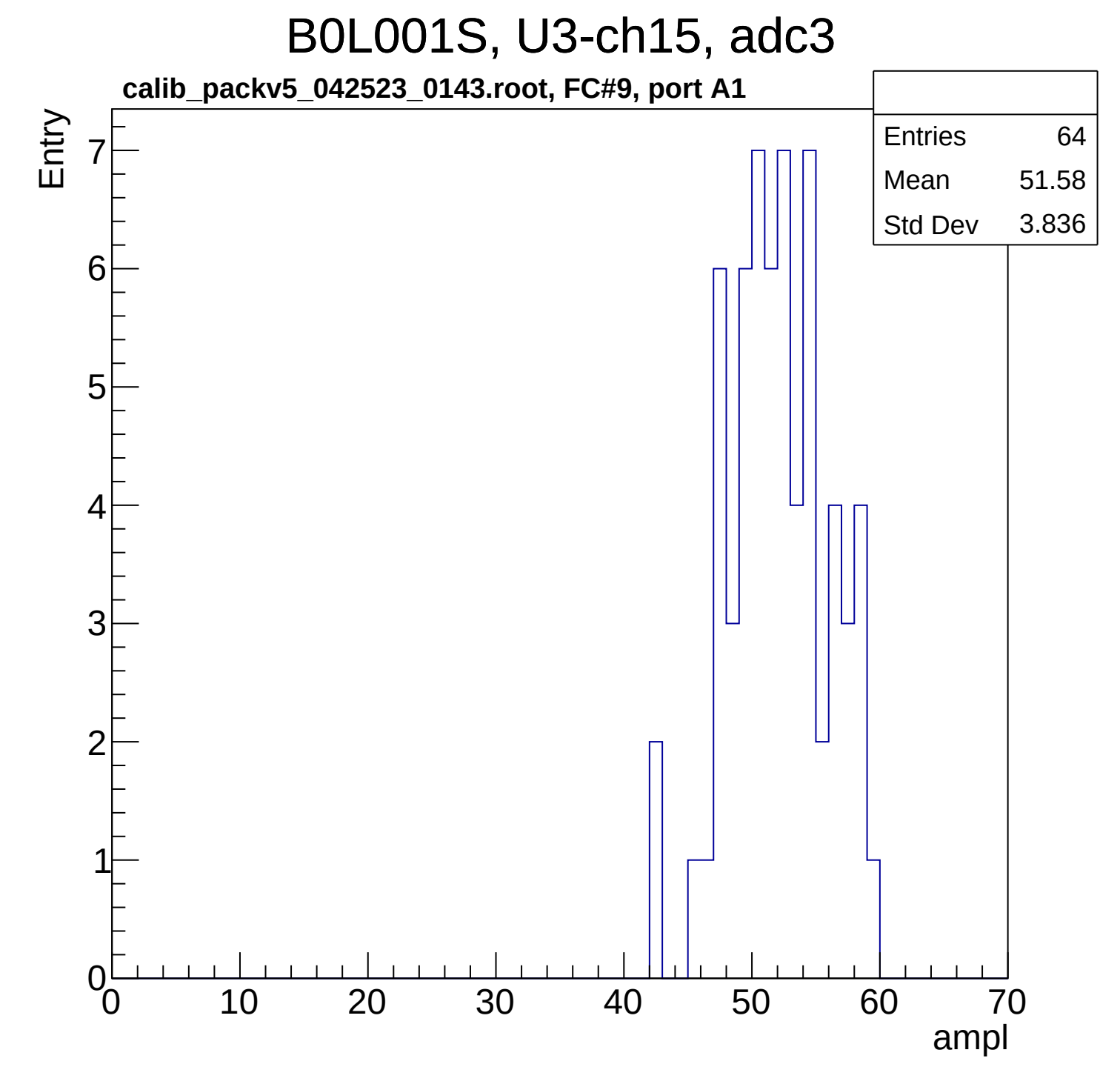
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch15, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 44.58
Std Dev 3.705
Gaus mean : 45.2719
Gaus Width: 3.9232
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch15, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 51.58
Std Dev 3.836
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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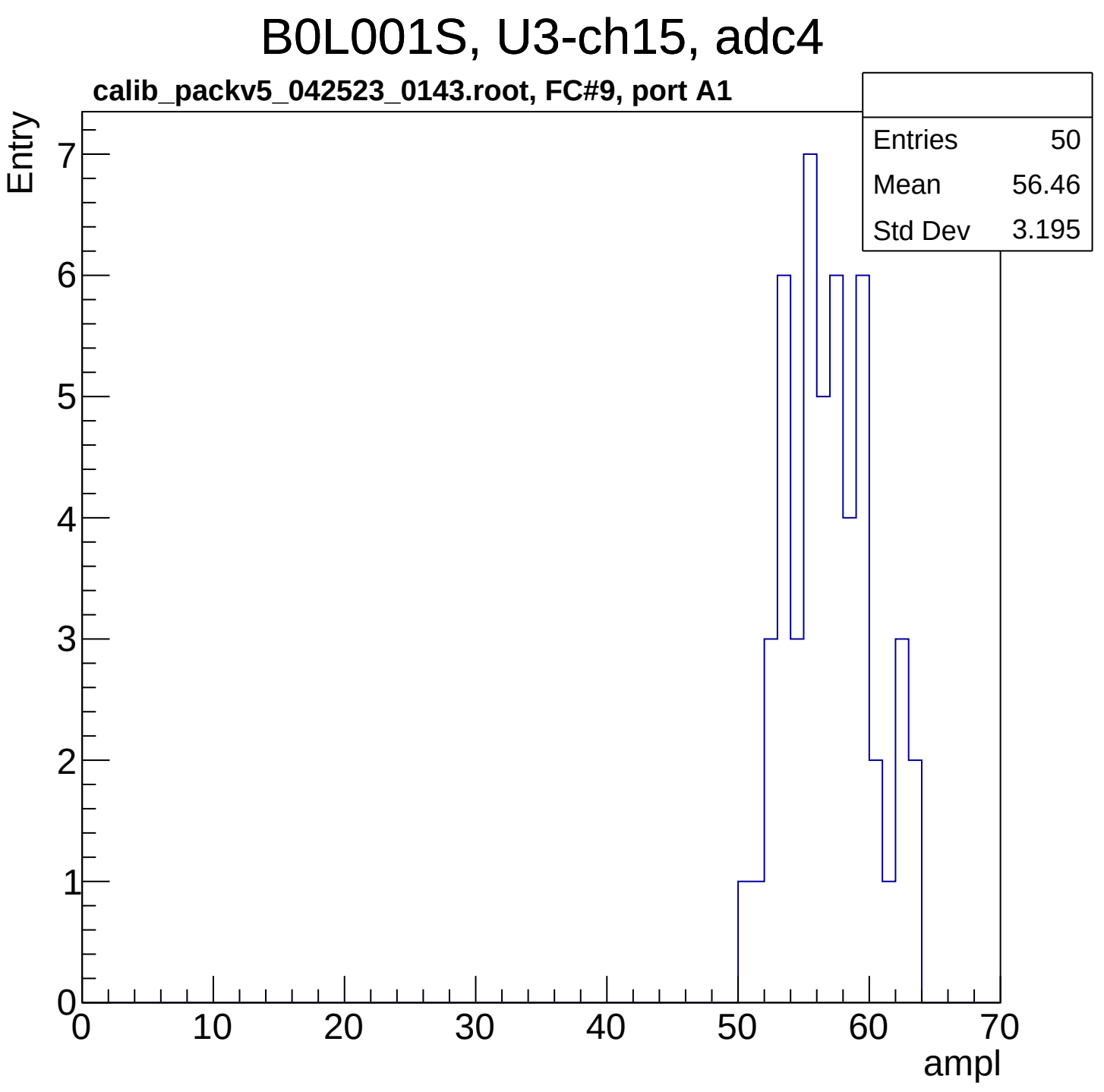
B0L001S, U3-ch15, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 56.46
Std Dev 3.195
Entry
ampl
0
1
2
3
4
5
6
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0
10
20
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40
50
60
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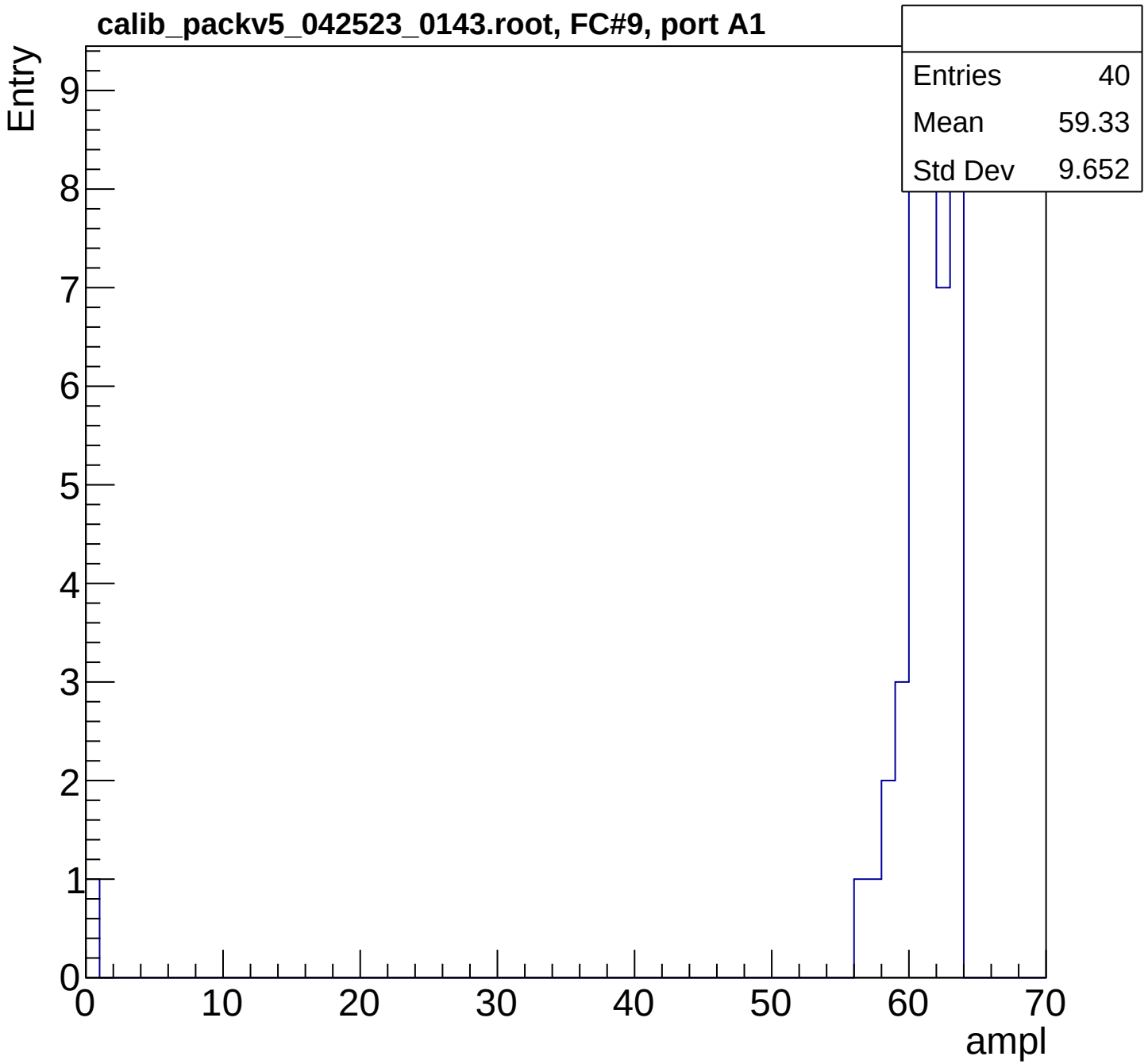
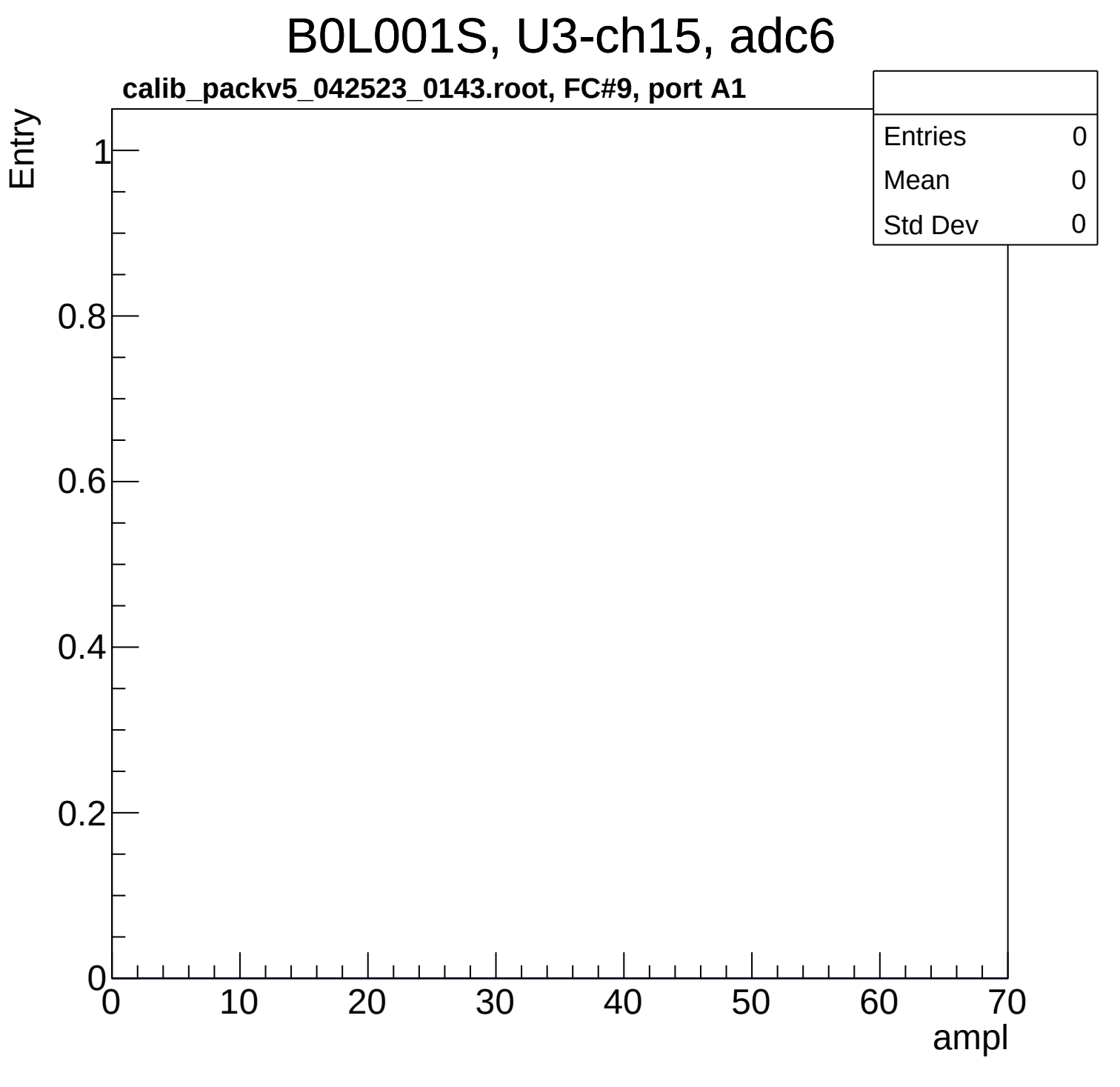
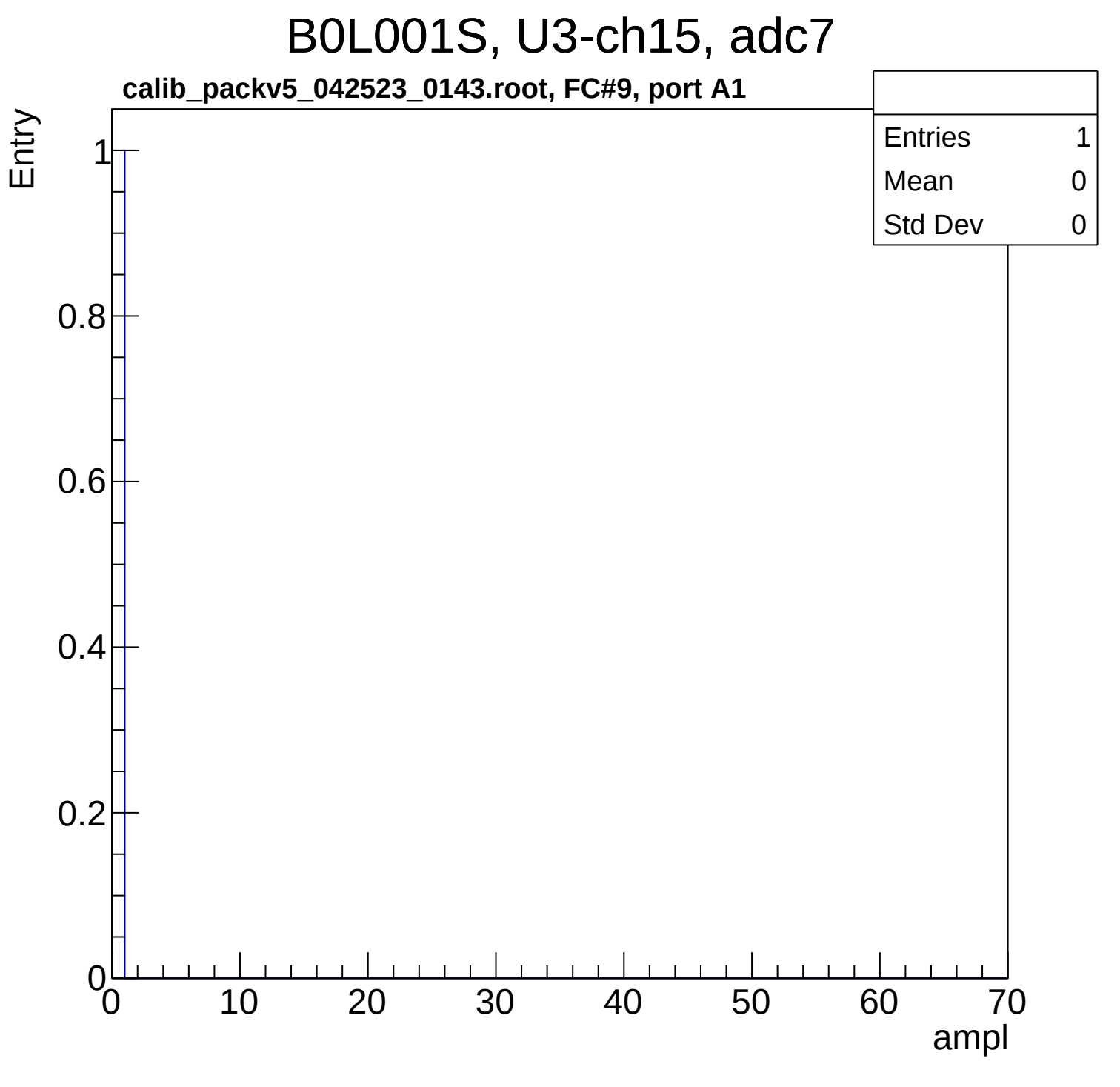
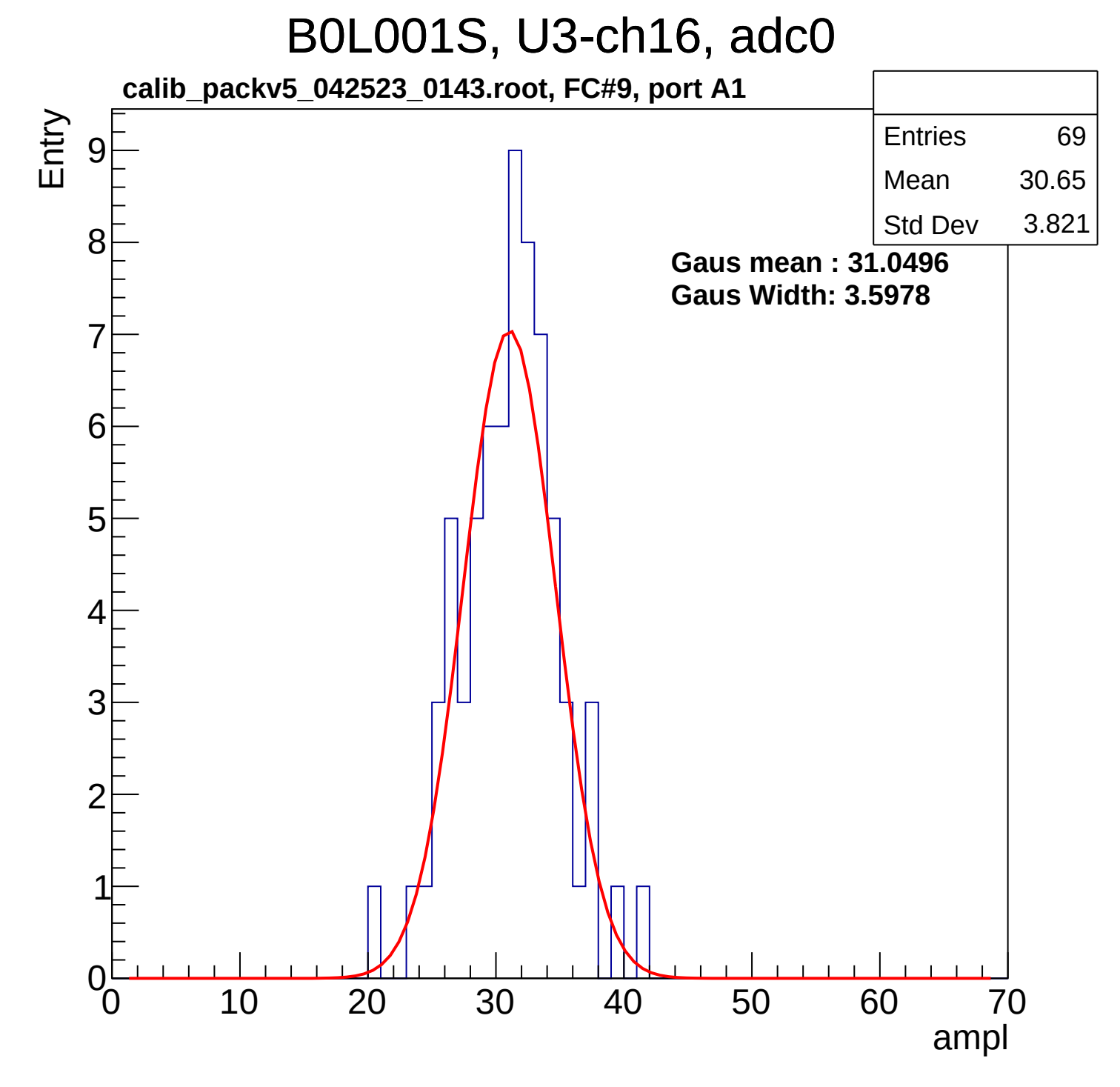

B0L001S, U3-ch15, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 59.33
Std Dev 9.652
Entry
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch15, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch15, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch16, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 30.65
Std Dev 3.821
Gaus mean : 31.0496
Gaus Width: 3.5978
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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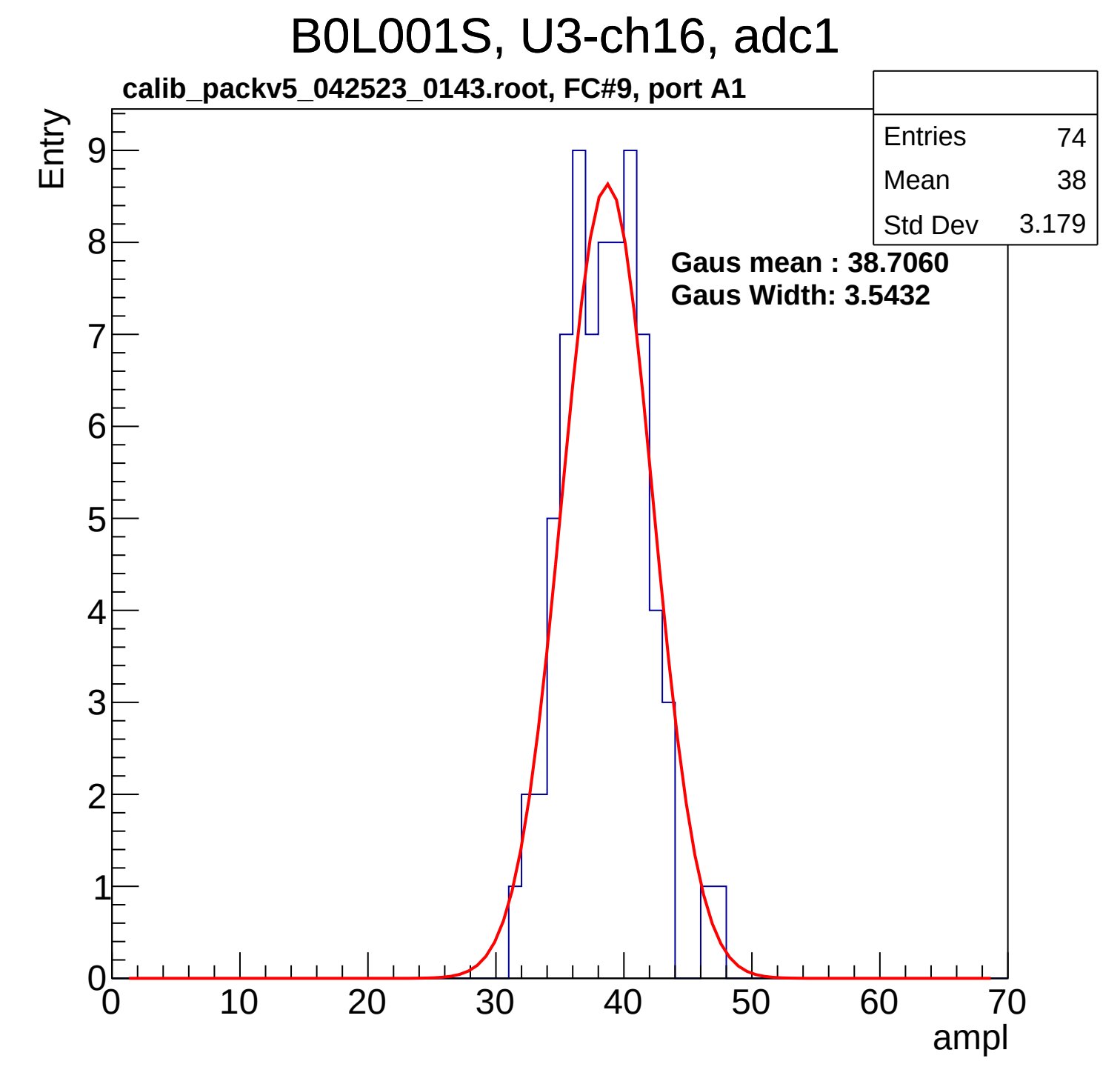
B0L001S, U3-ch16, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 38
Std Dev 3.179
Gaus mean : 38.7060
Gaus Width: 3.5432
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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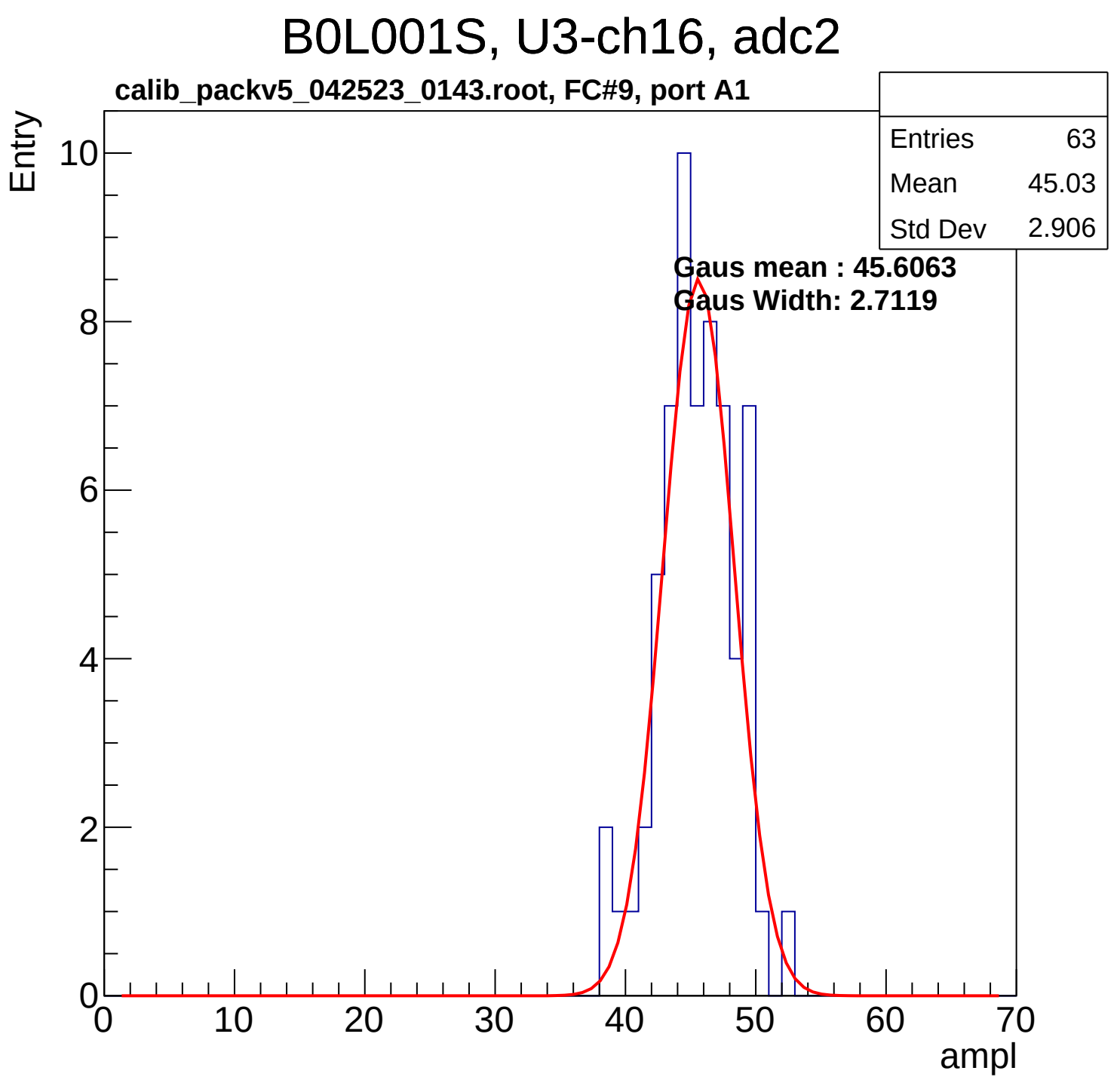
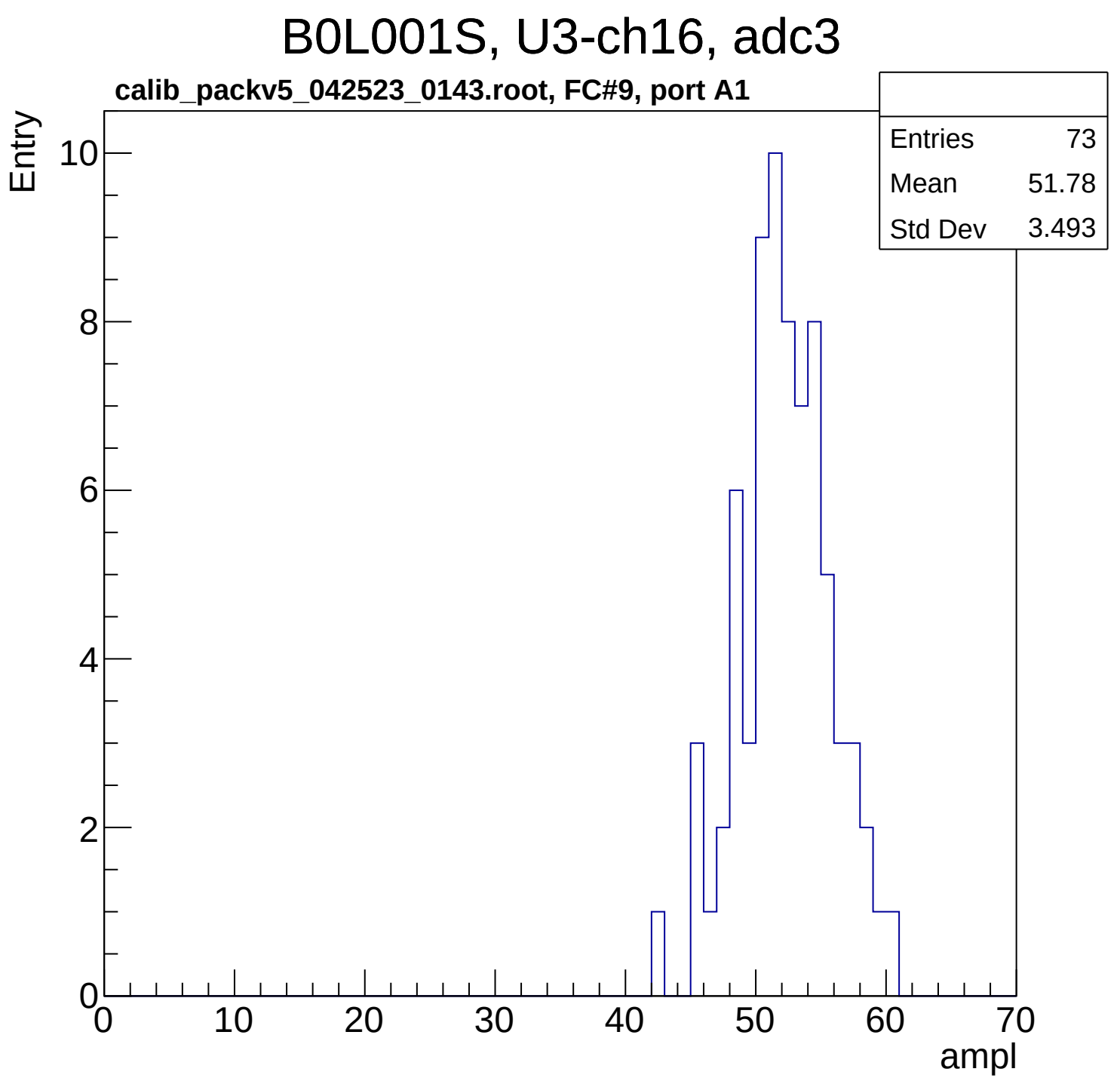
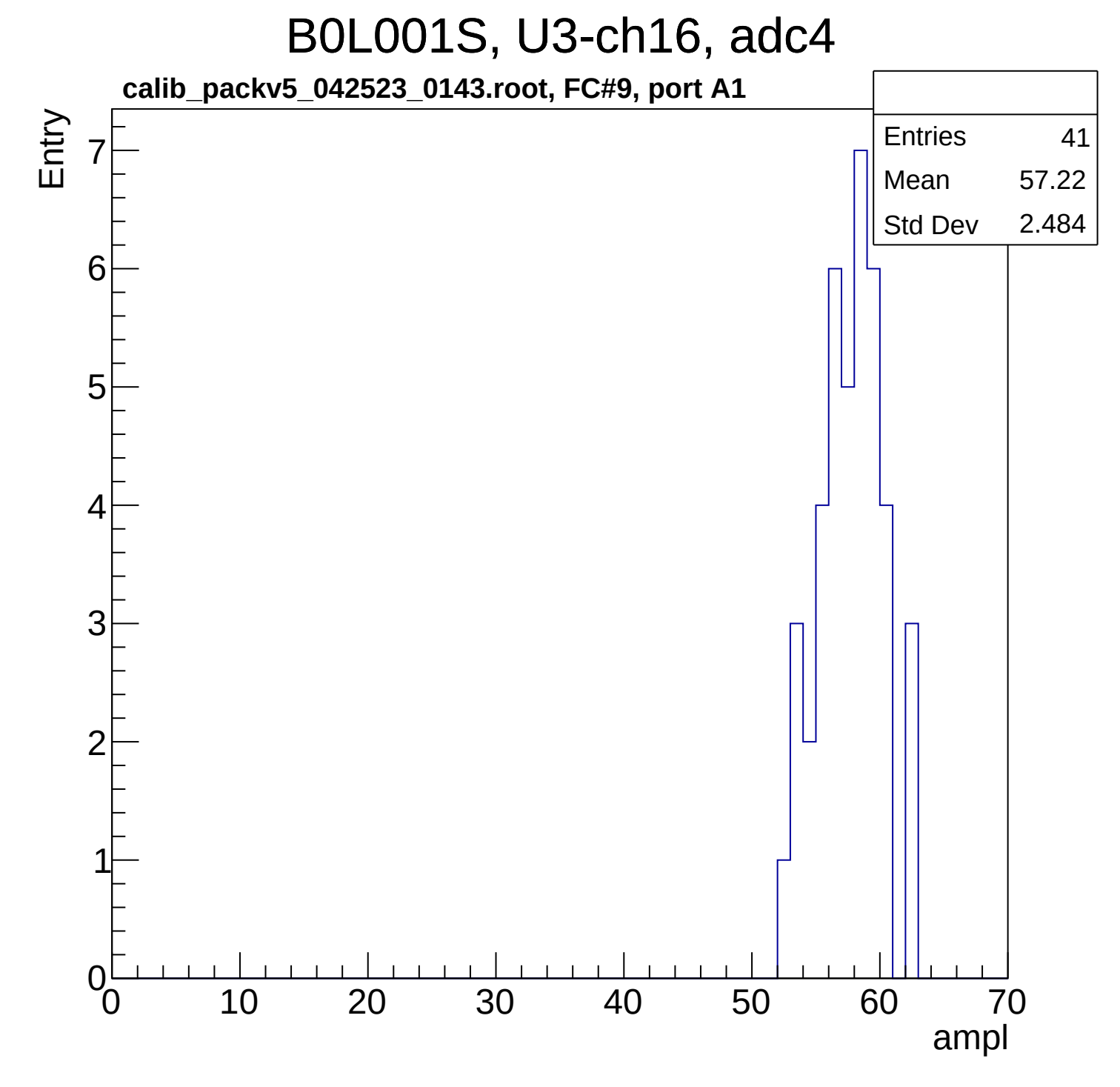

B0L001S, U3-ch16, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 45.03
Std Dev 2.906
Gaus mean : 45.6063
Gaus Width: 2.7119
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch16, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 51.78
Std Dev 3.493
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch16, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 57.22
Std Dev 2.484
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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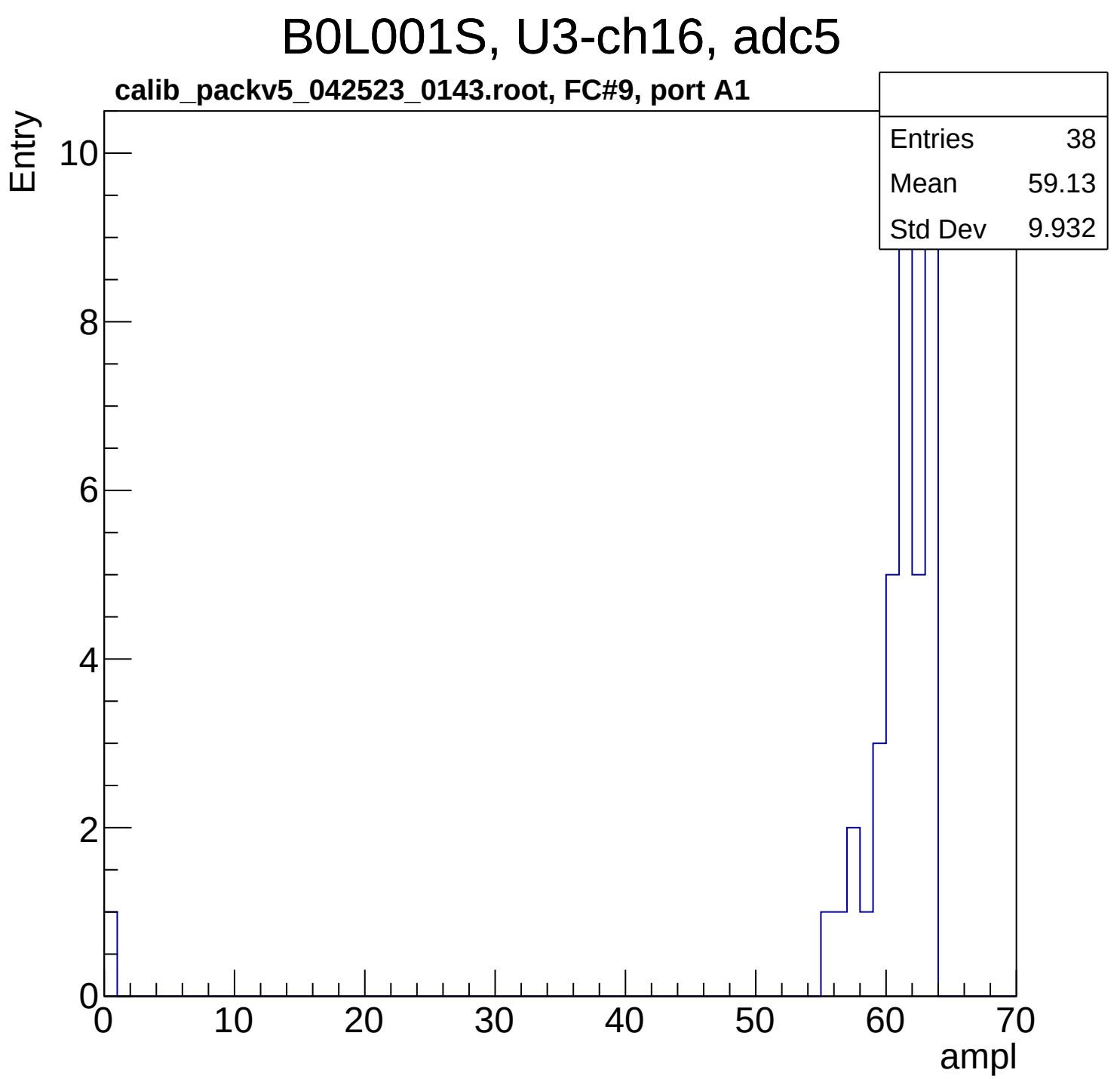
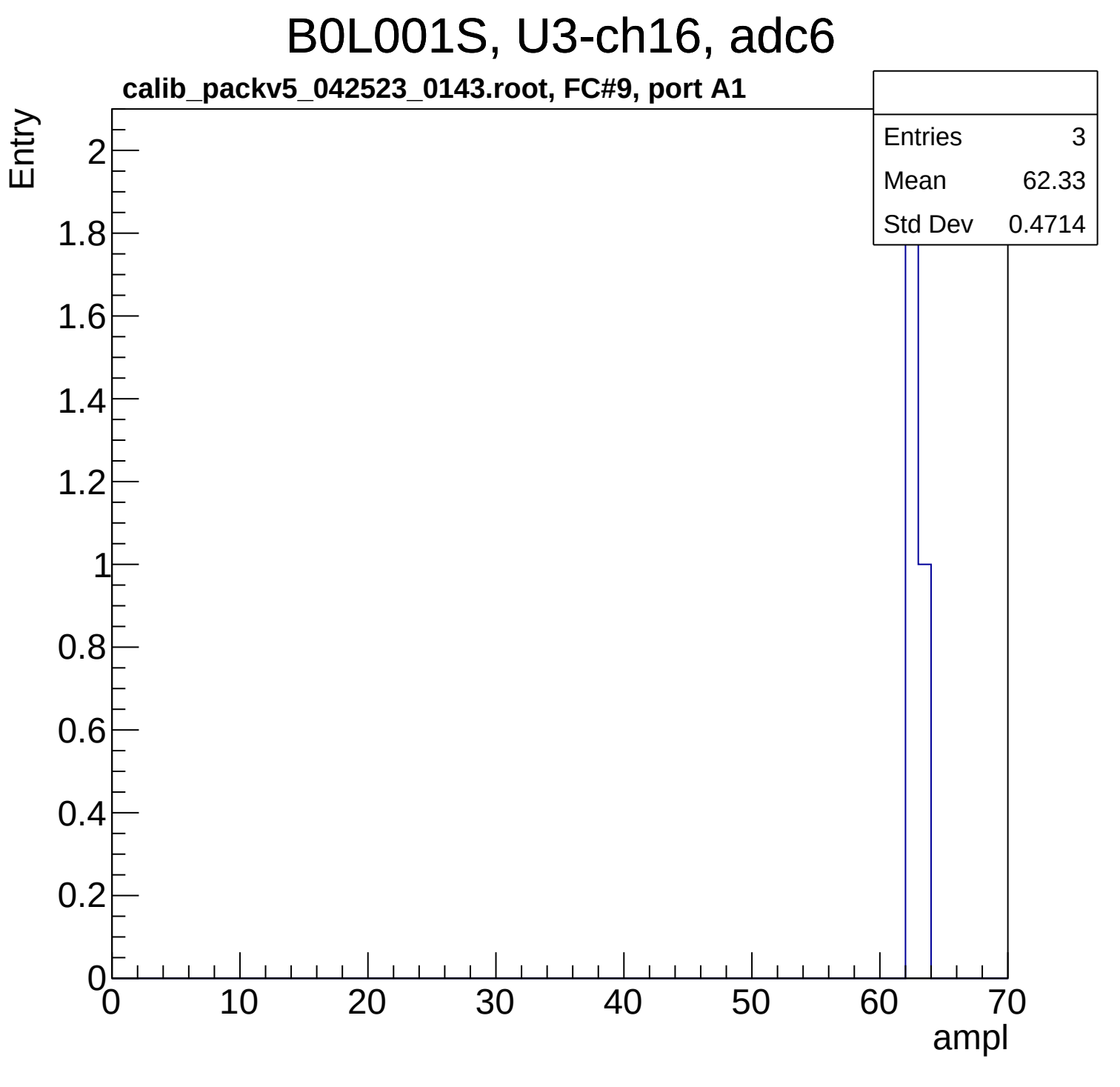

B0L001S, U3-ch16, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 59.13
Std Dev 9.932
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch16, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 62.33
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
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20
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40
50
60
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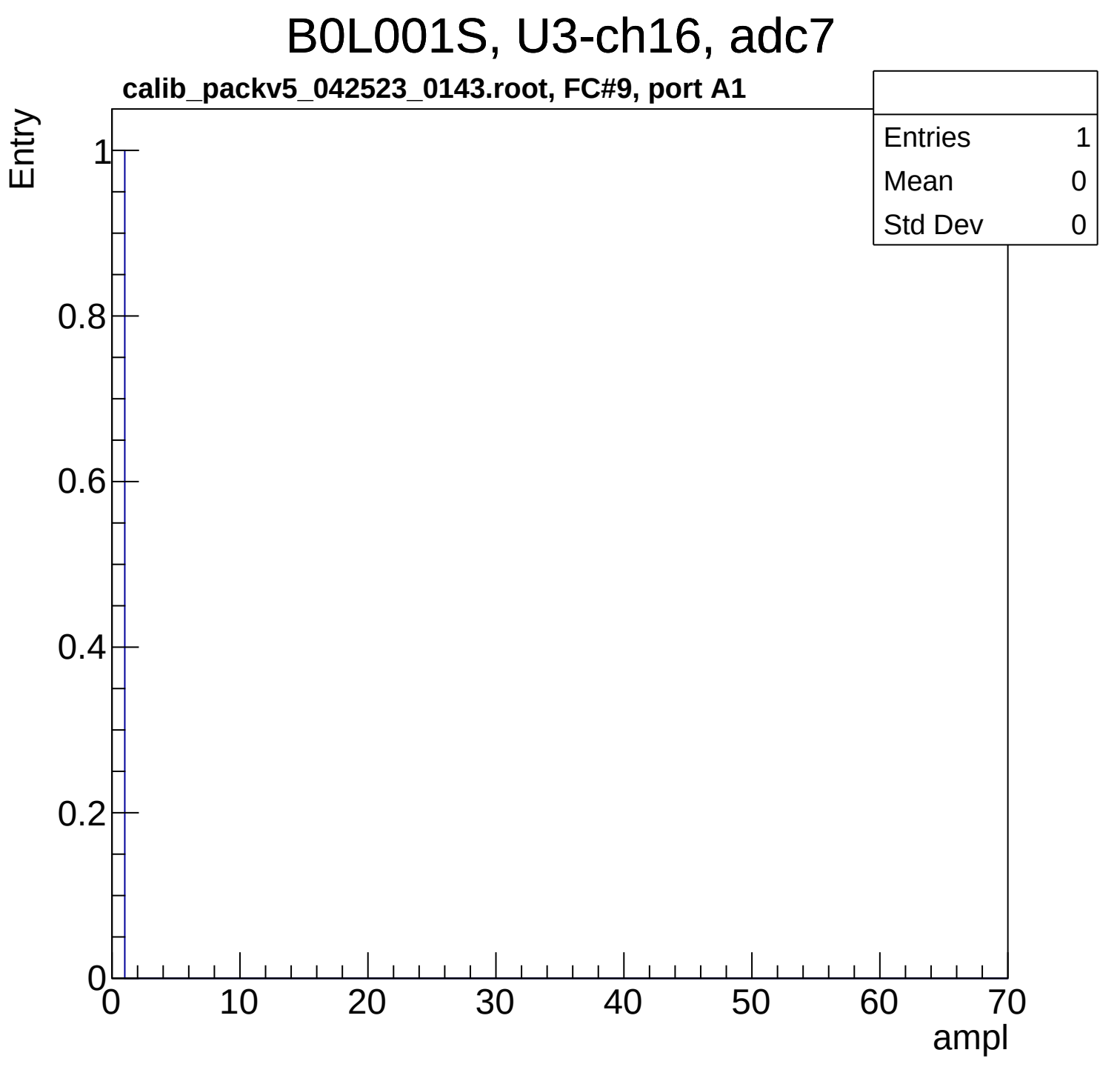
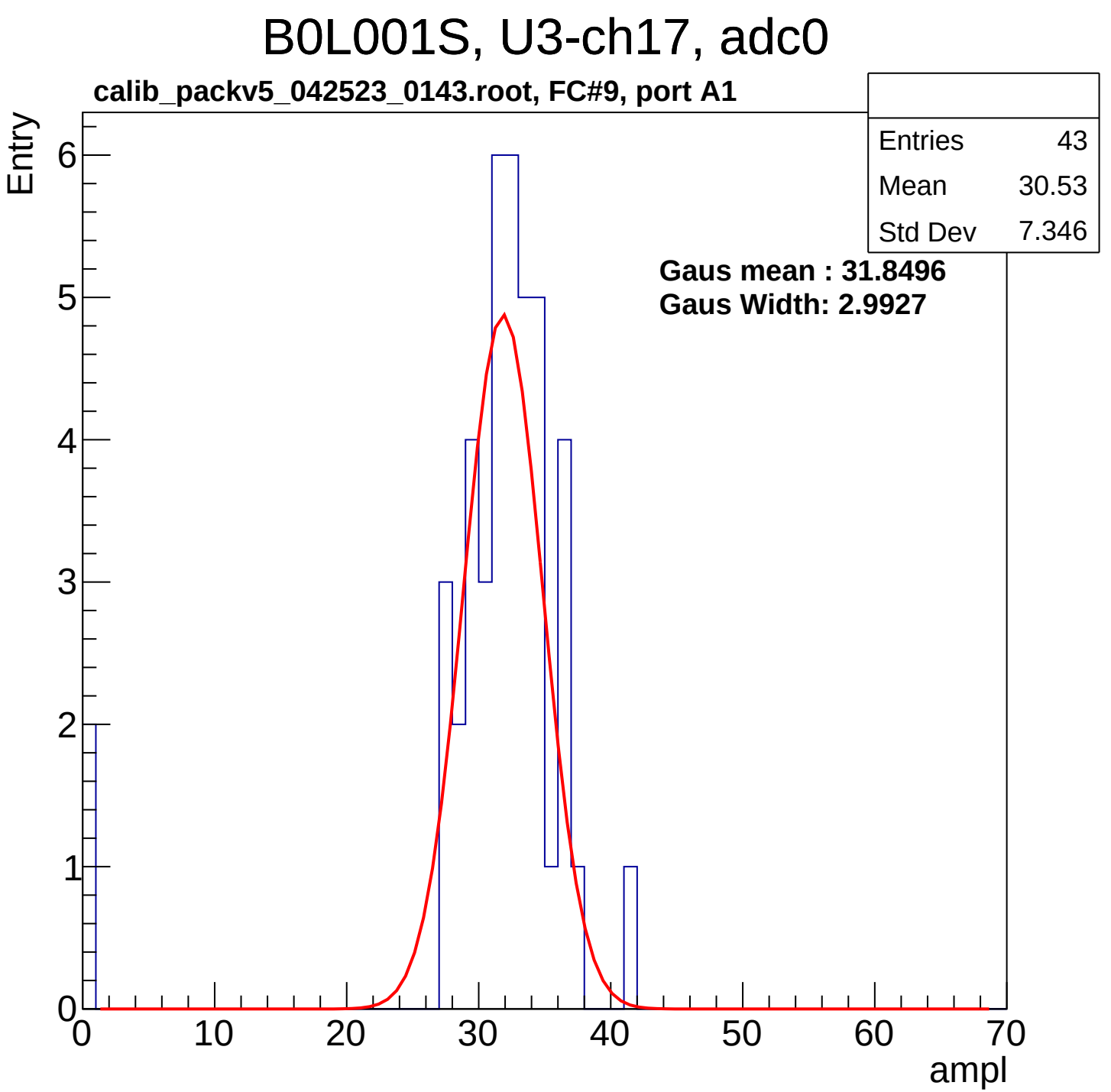
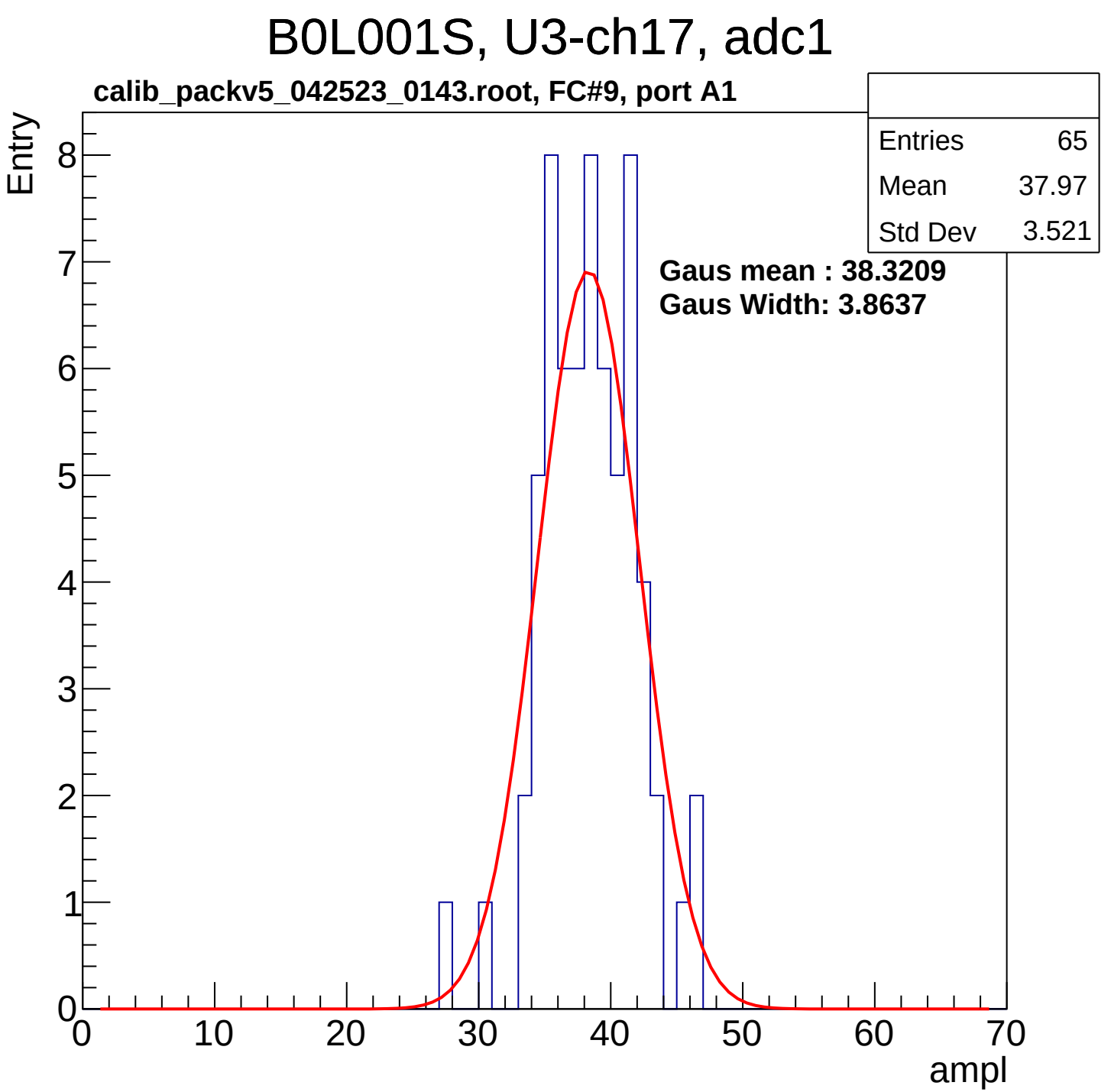

B0L001S, U3-ch16, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch17, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 43
Mean 30.53
Std Dev 7.346
Gaus mean : 31.8496
Gaus Width: 2.9927
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch17, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 37.97
Std Dev 3.521
Gaus mean : 38.3209
Gaus Width: 3.8637
Entry
ampl
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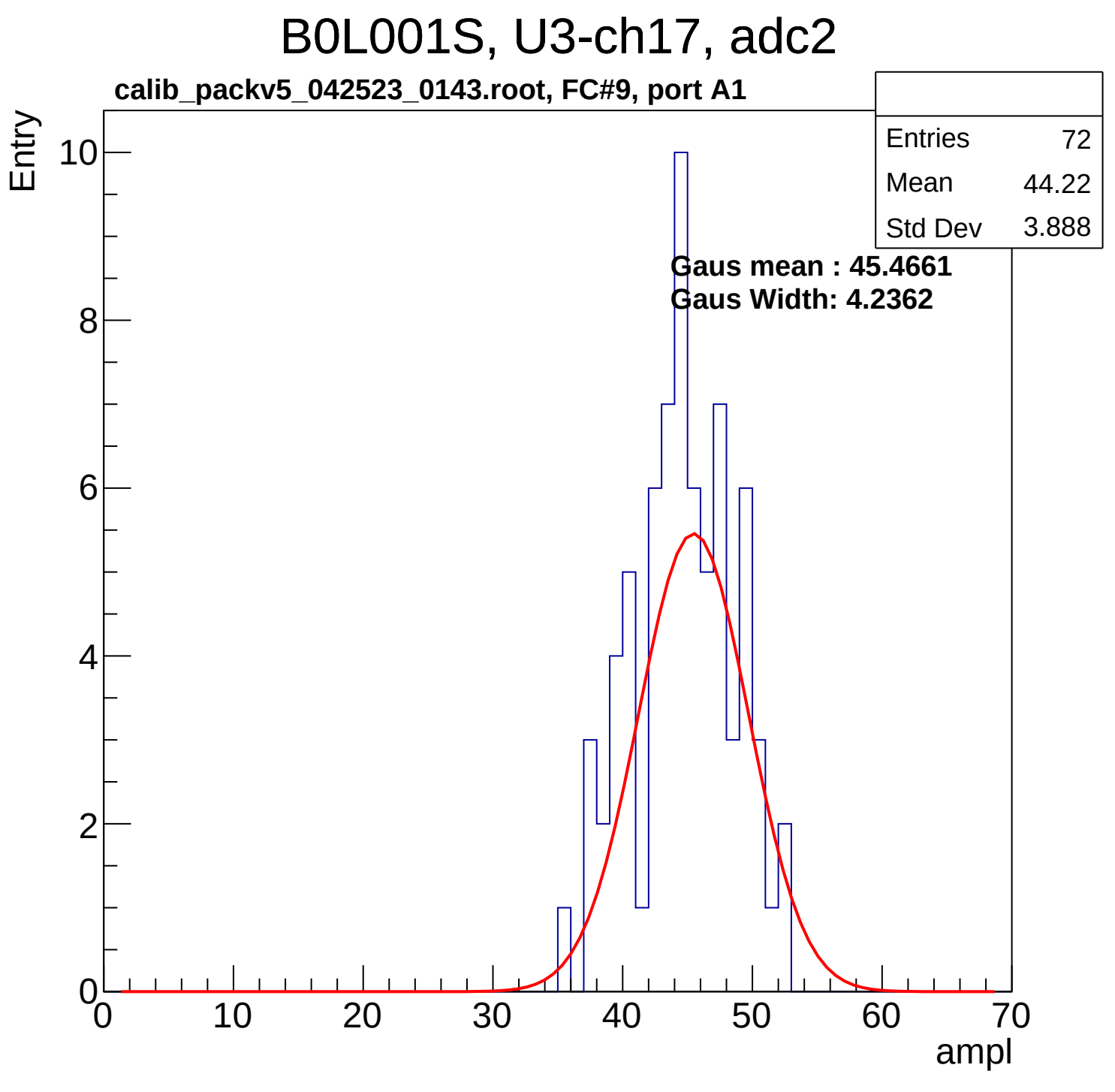
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch17, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 44.22
Std Dev 3.888
Gaus mean : 45.4661
Gaus Width: 4.2362
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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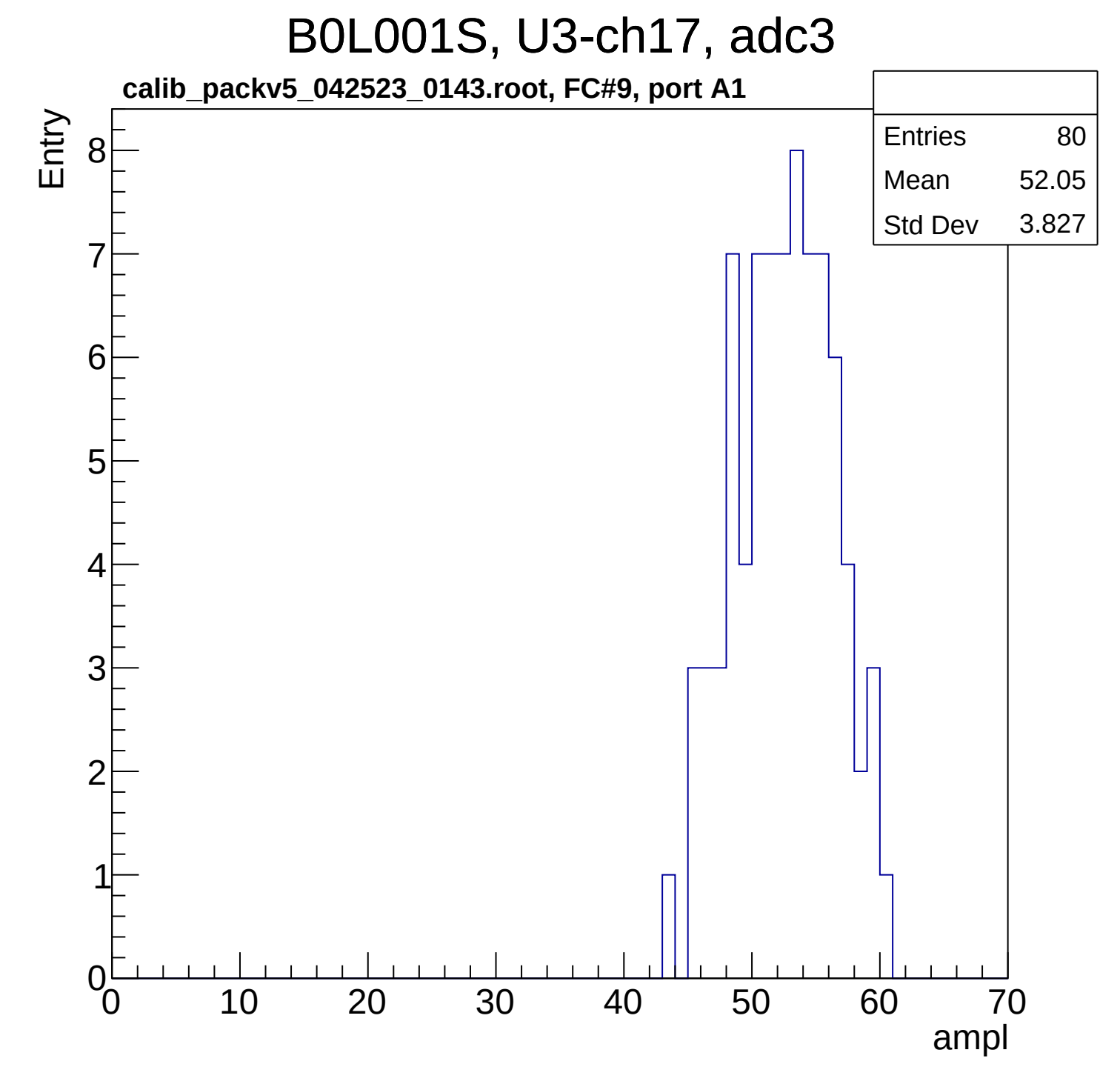
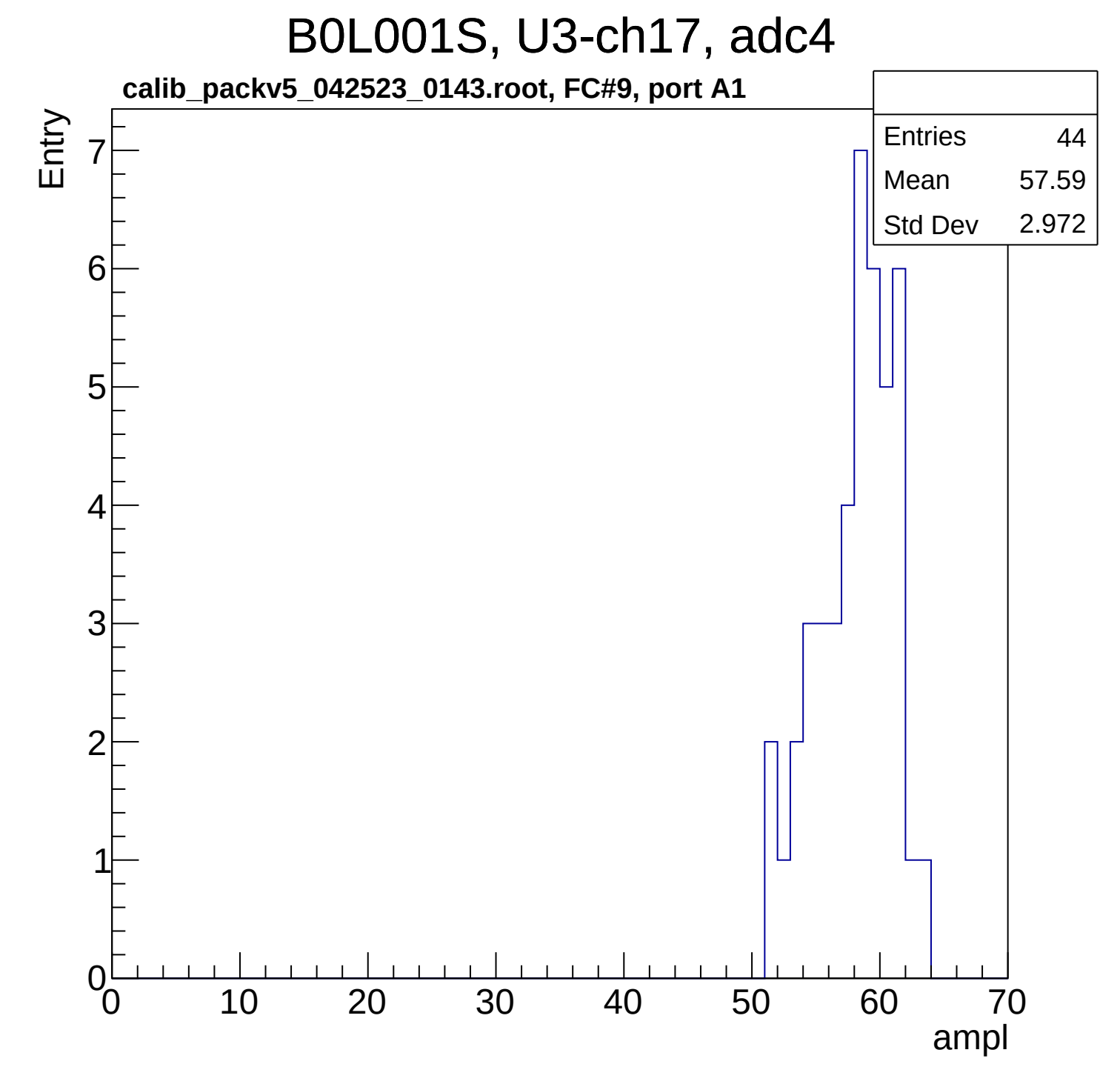

B0L001S, U3-ch17, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 52.05
Std Dev 3.827
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch17, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 57.59
Std Dev 2.972
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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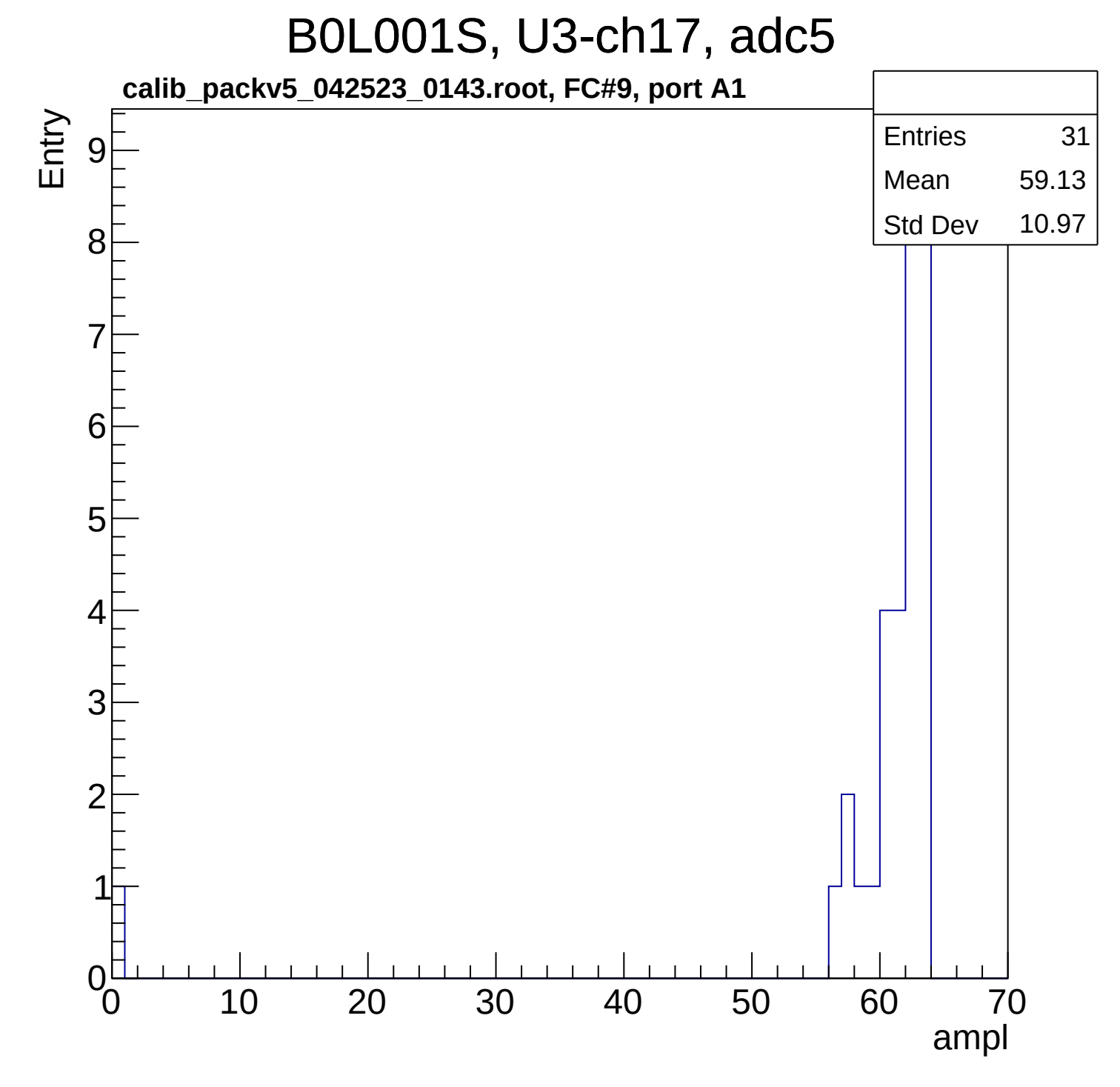
B0L001S, U3-ch17, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 31
Mean 59.13
Std Dev 10.97
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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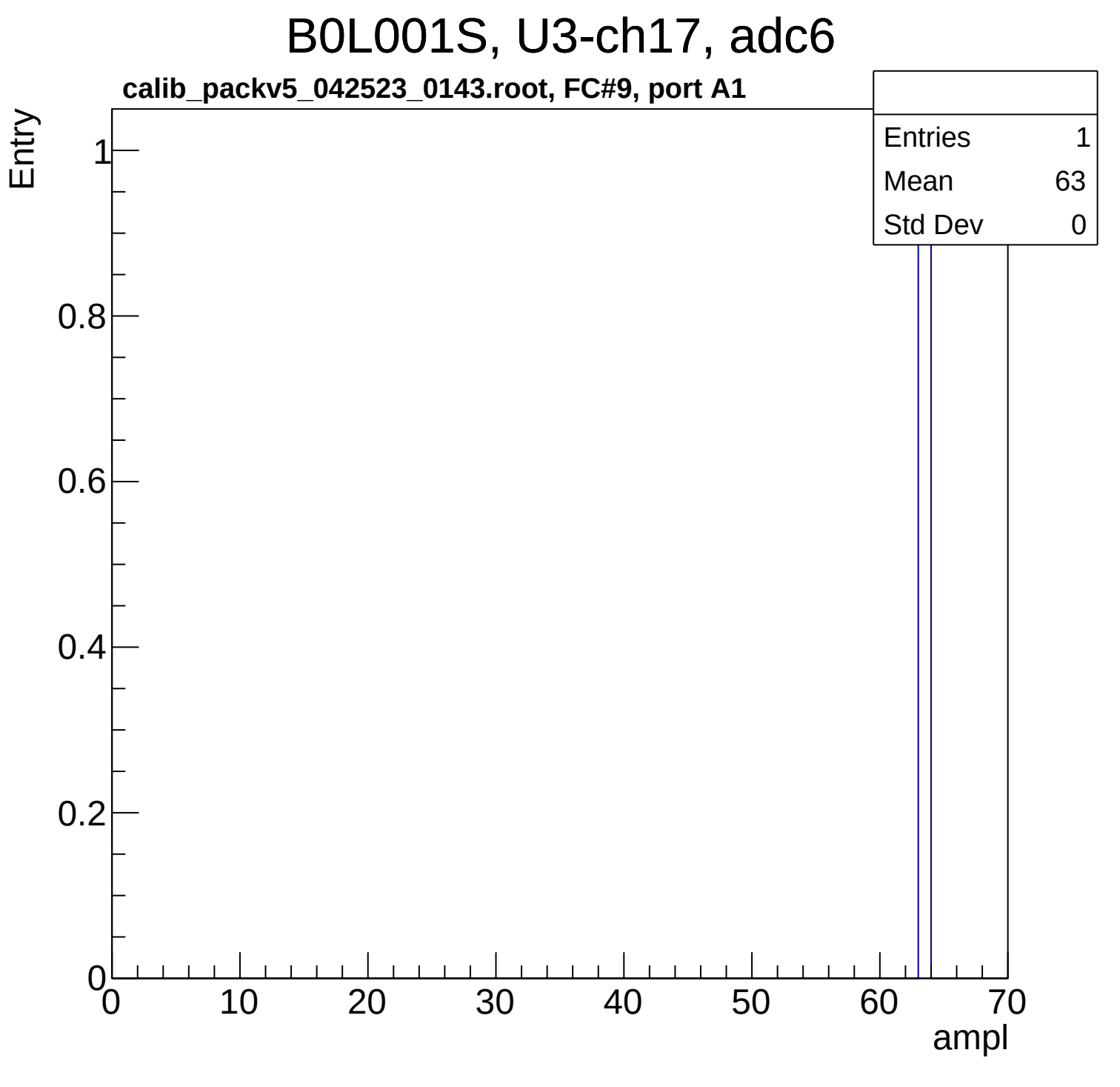
B0L001S, U3-ch17, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 63
Std Dev 0
Entry
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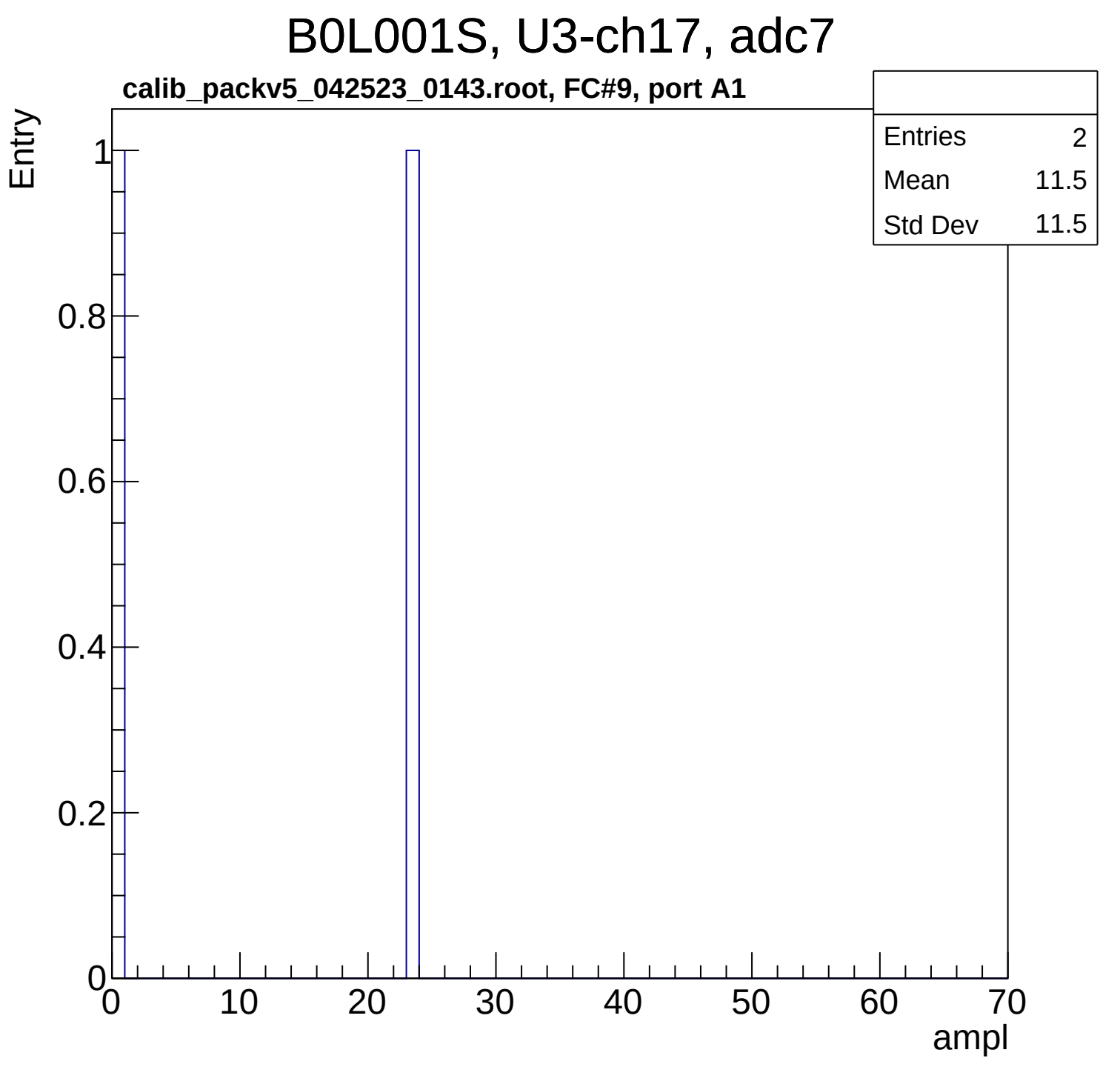
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch17, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 11.5
Std Dev 11.5
Entry
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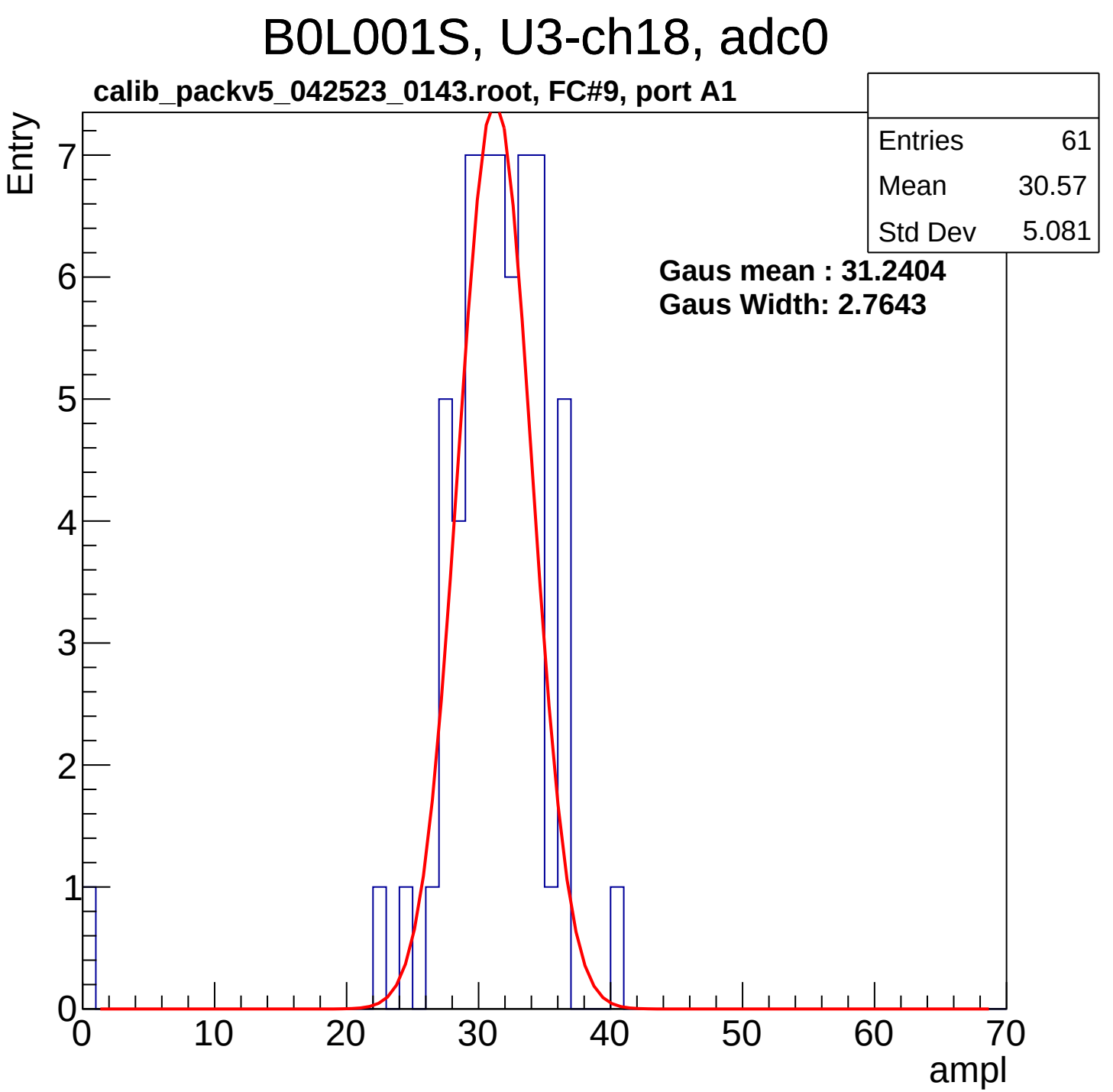
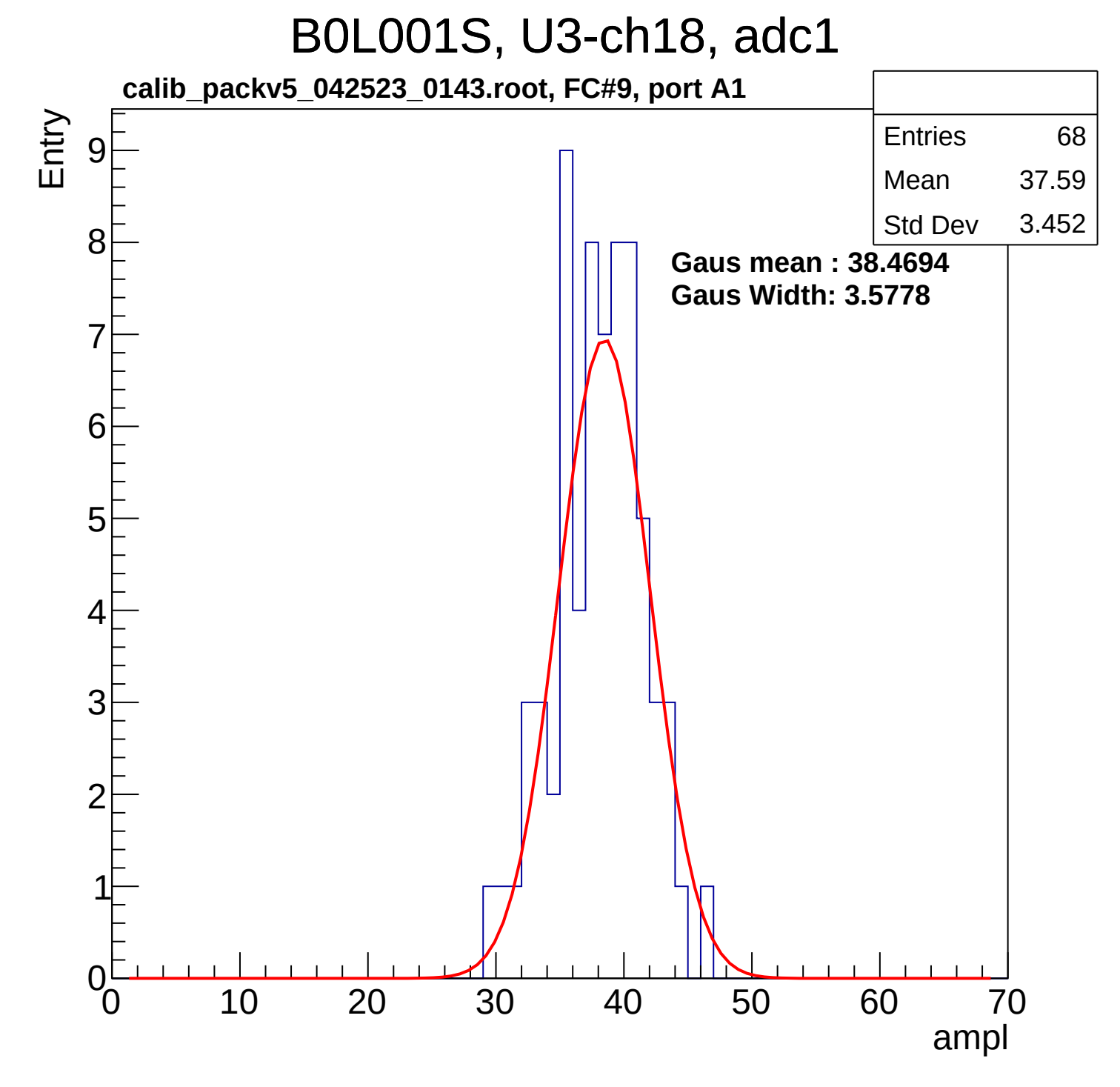
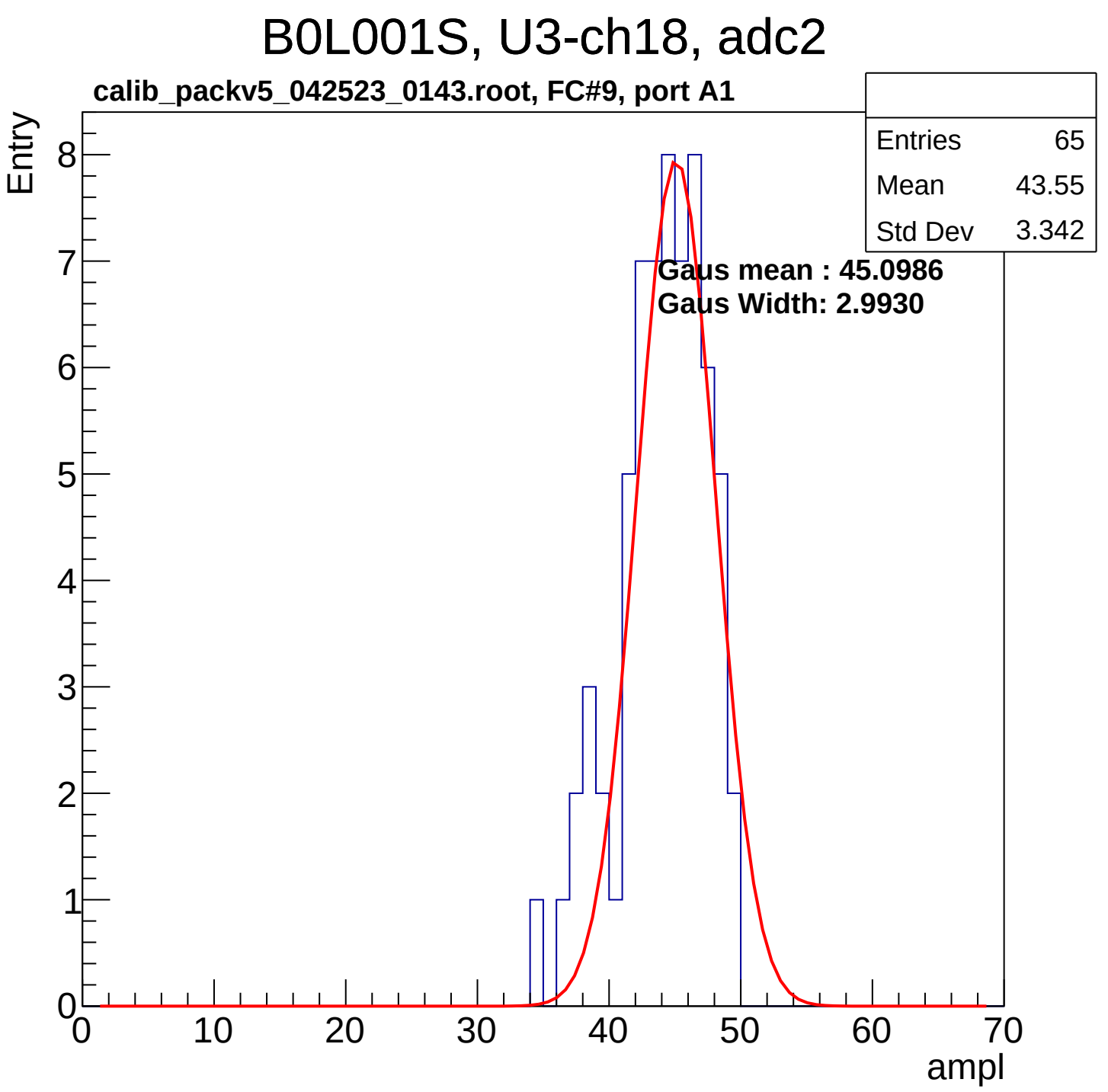
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch18, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 30.57
Std Dev 5.081
Gaus mean : 31.2404
Gaus Width: 2.7643
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch18, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 37.59
Std Dev 3.452
Gaus mean : 38.4694
Gaus Width: 3.5778
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch18, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 43.55
Std Dev 3.342
Gaus mean : 45.0986
Gaus Width: 2.9930
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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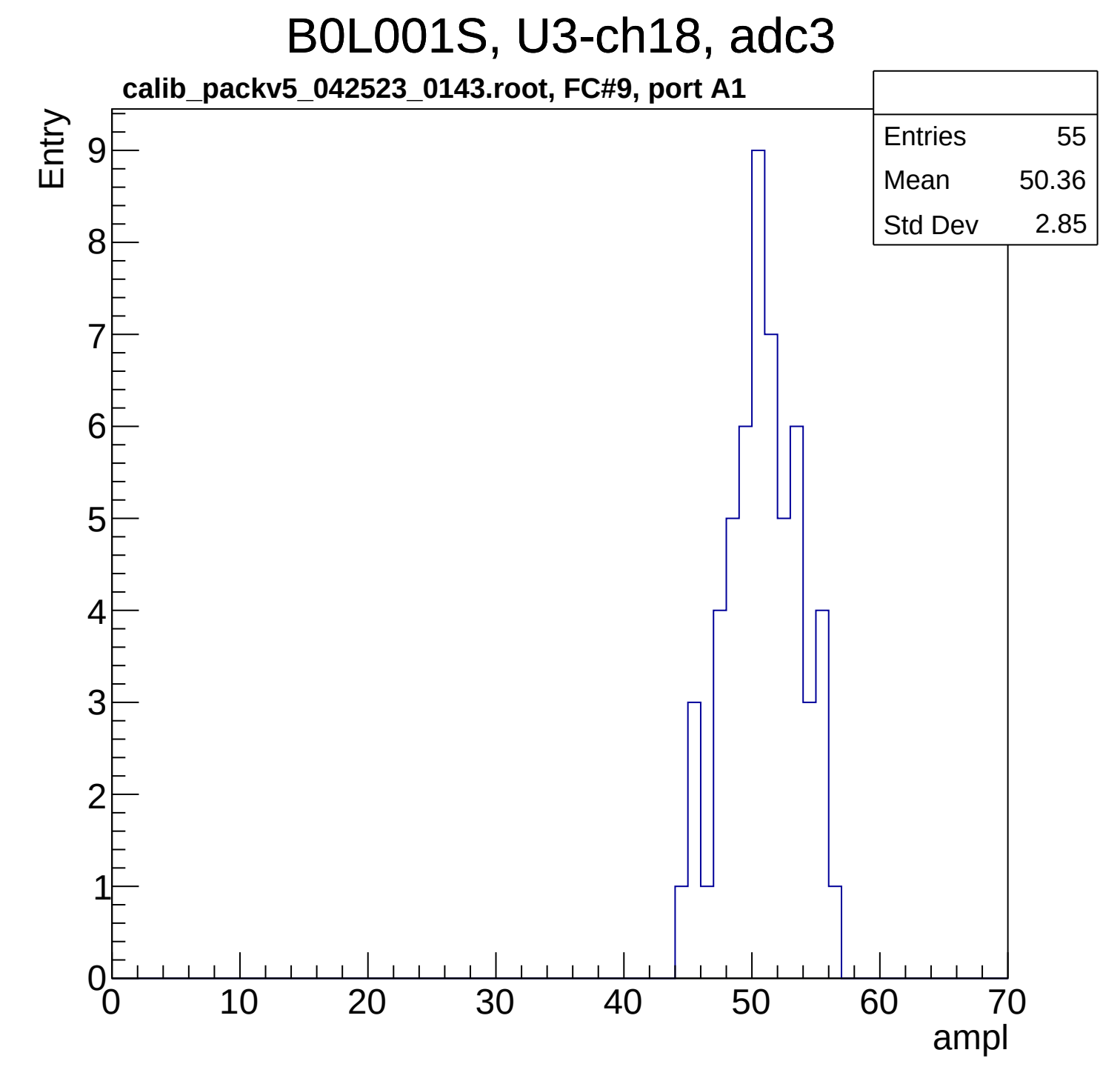
B0L001S, U3-ch18, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 50.36
Std Dev 2.85
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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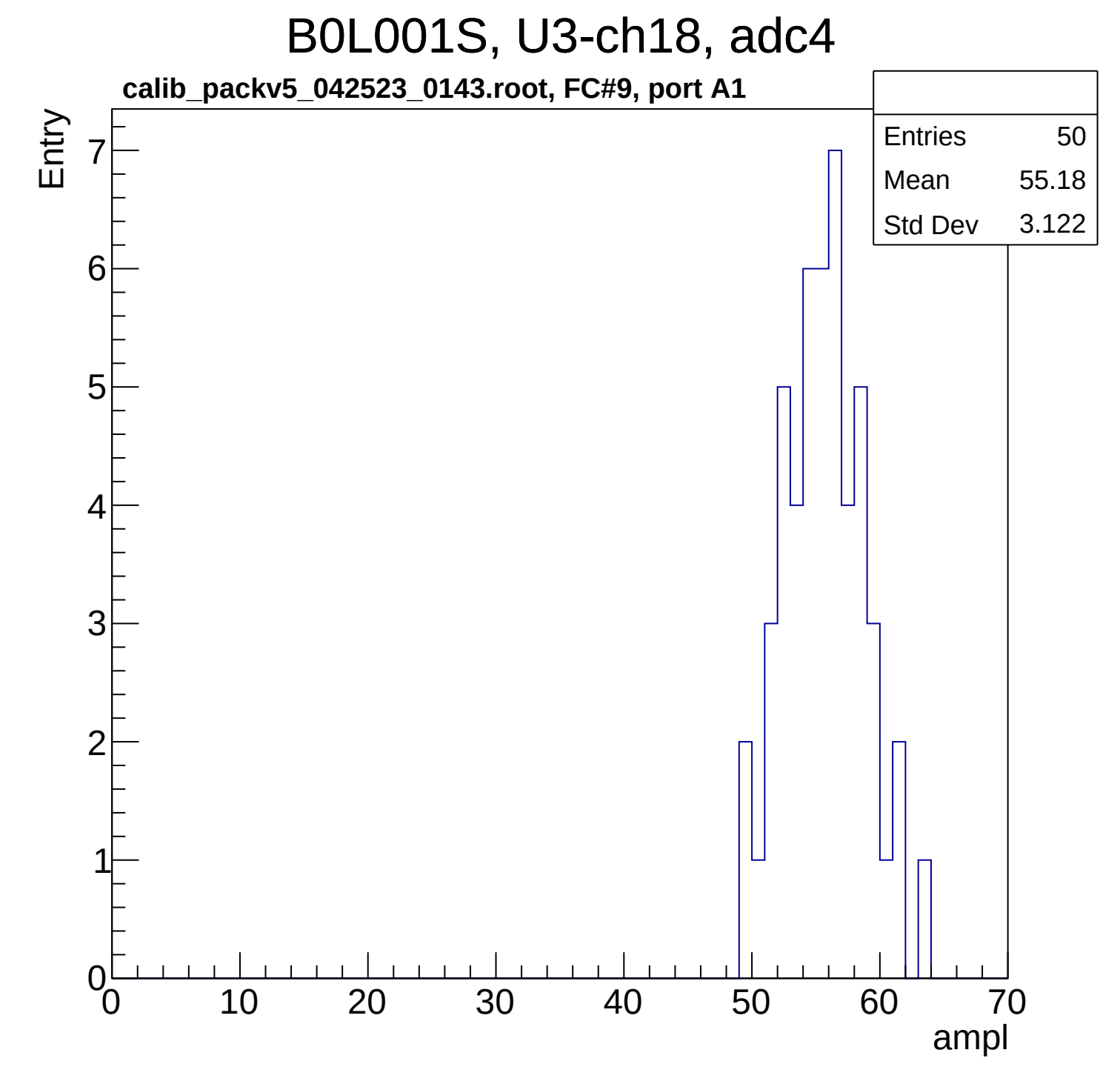
40
50
60
70


B0L001S, U3-ch18, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 55.18
Std Dev 3.122
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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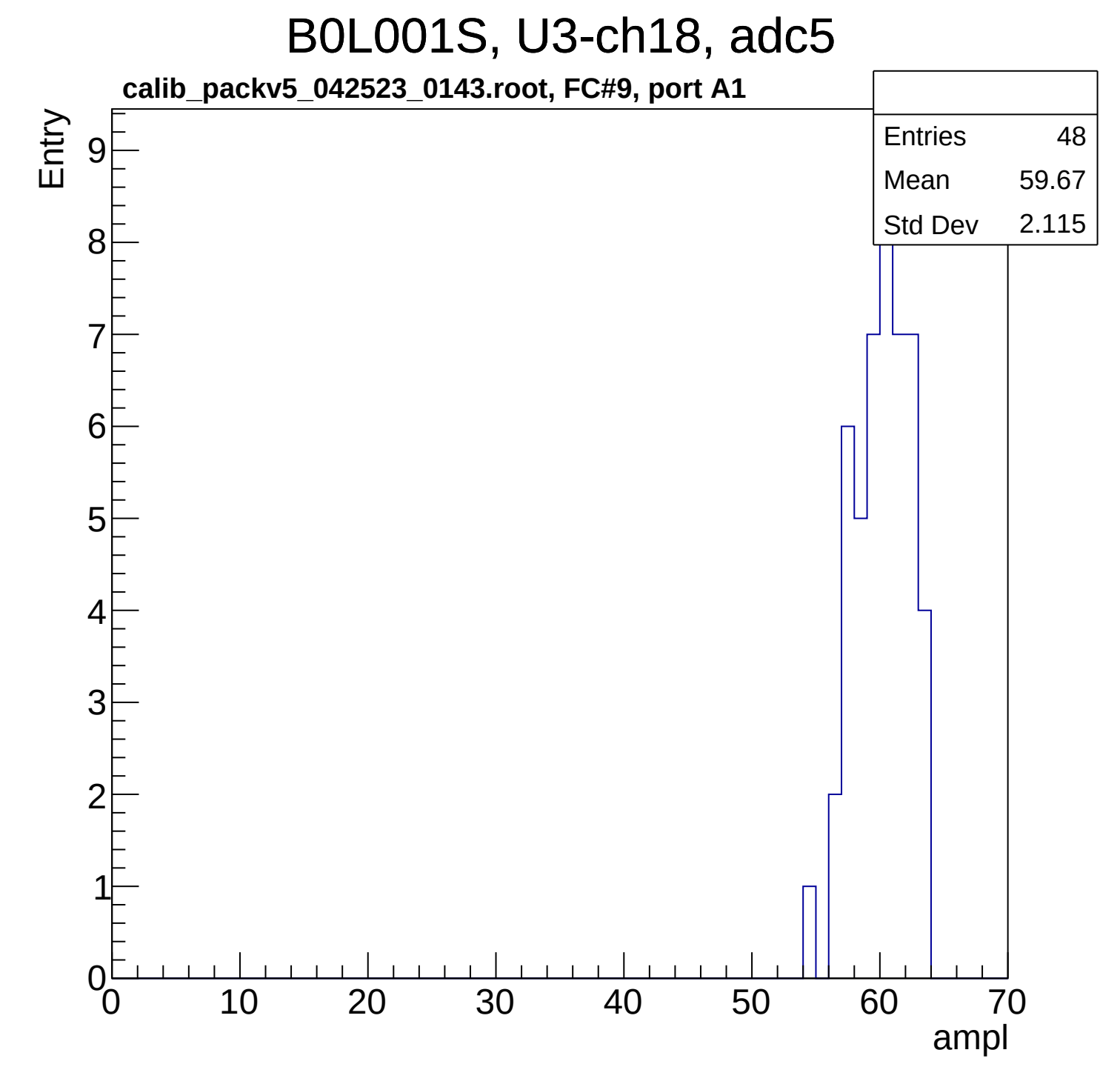
B0L001S, U3-ch18, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 59.67
Std Dev 2.115
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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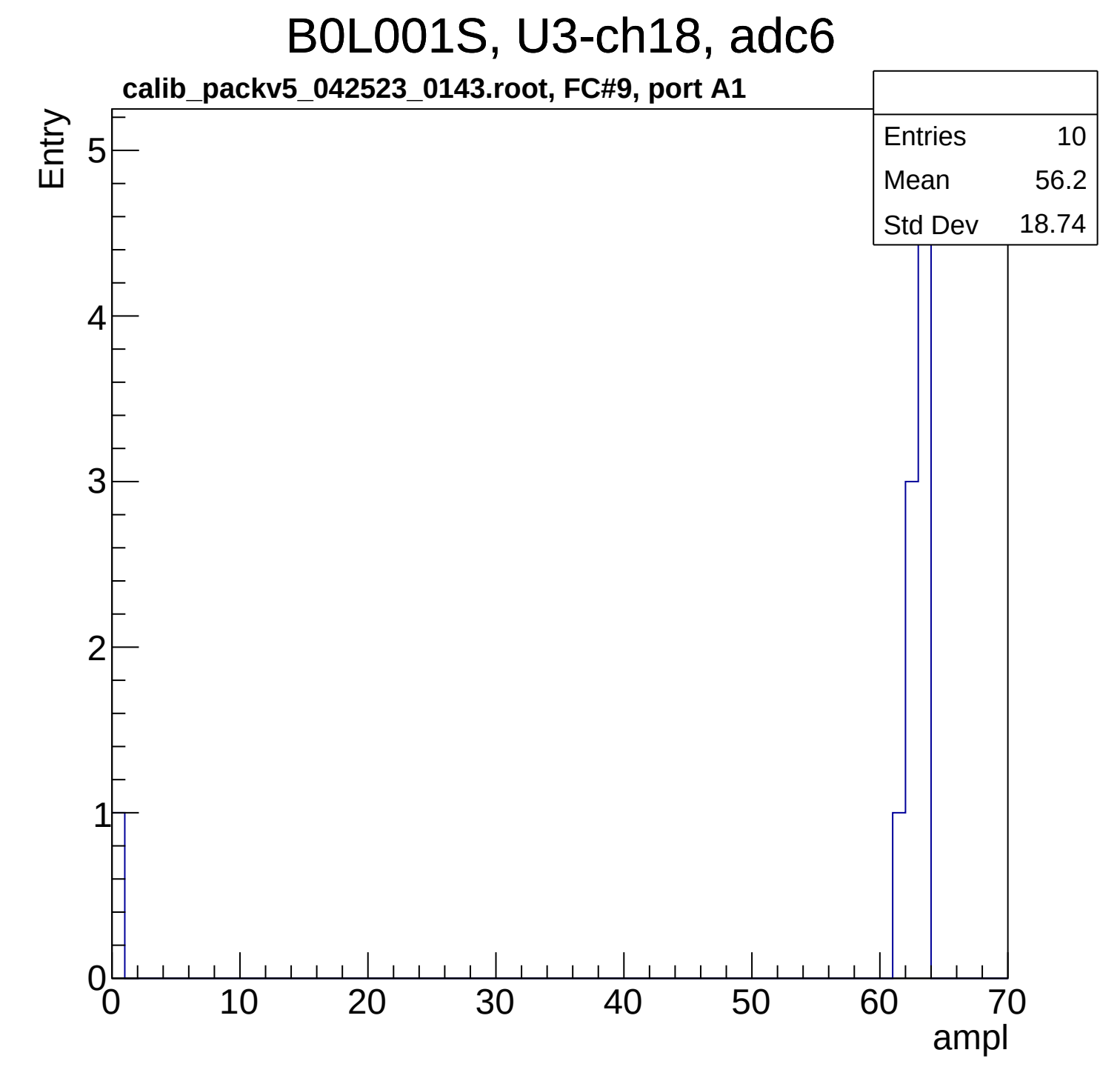
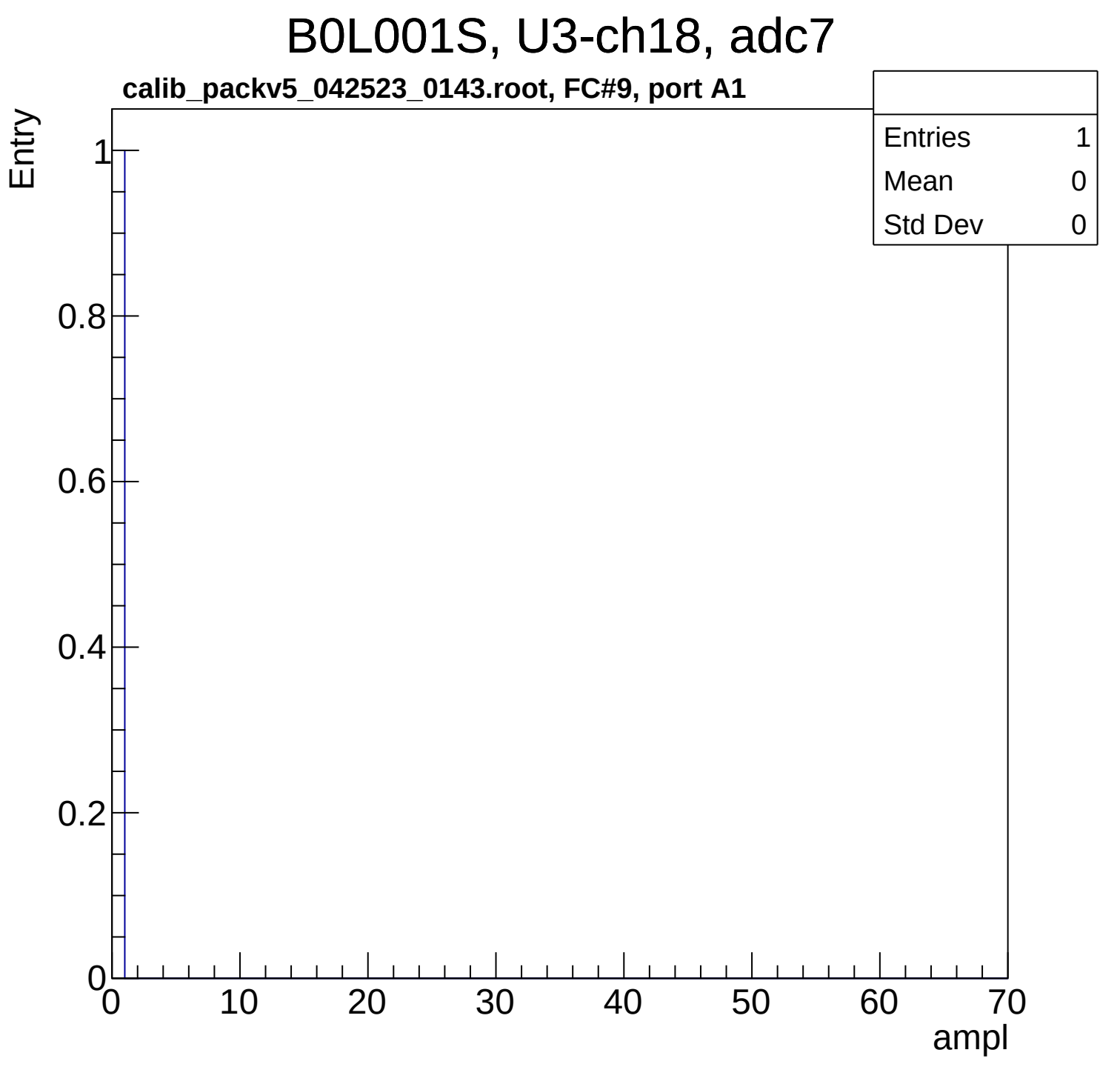
40
50
60
70


B0L001S, U3-ch18, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 10
Mean 56.2
Std Dev 18.74
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch18, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
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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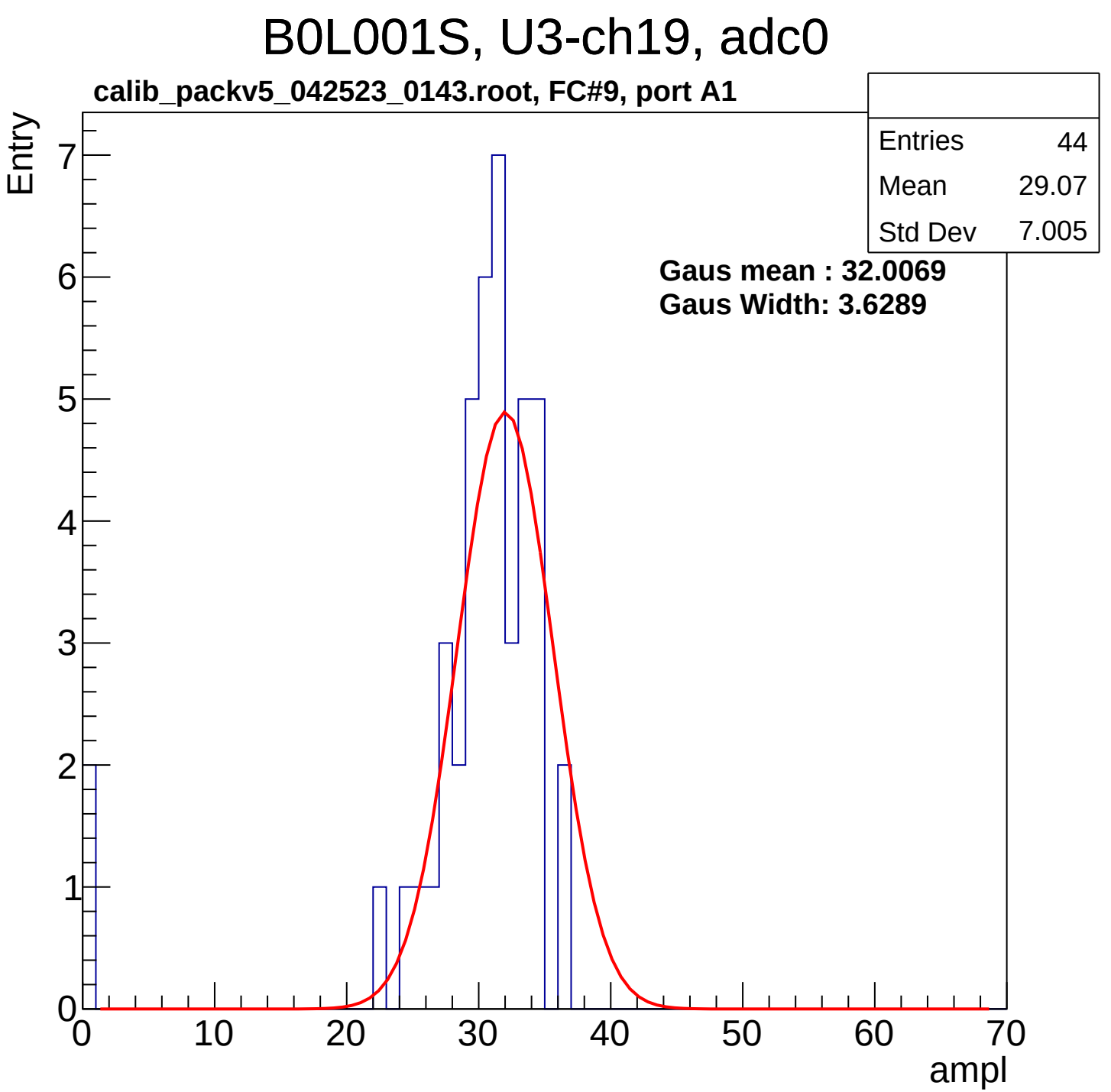
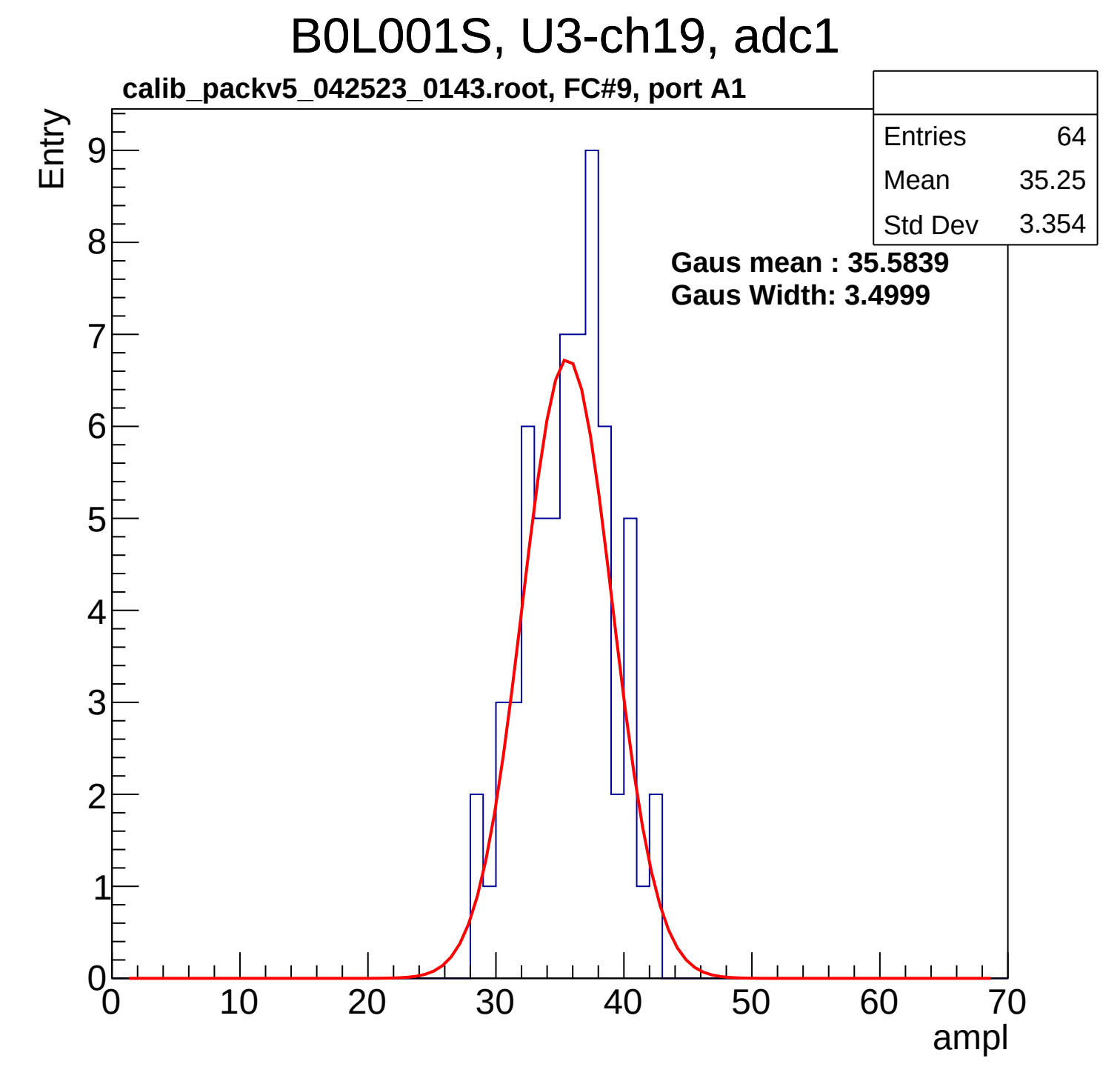
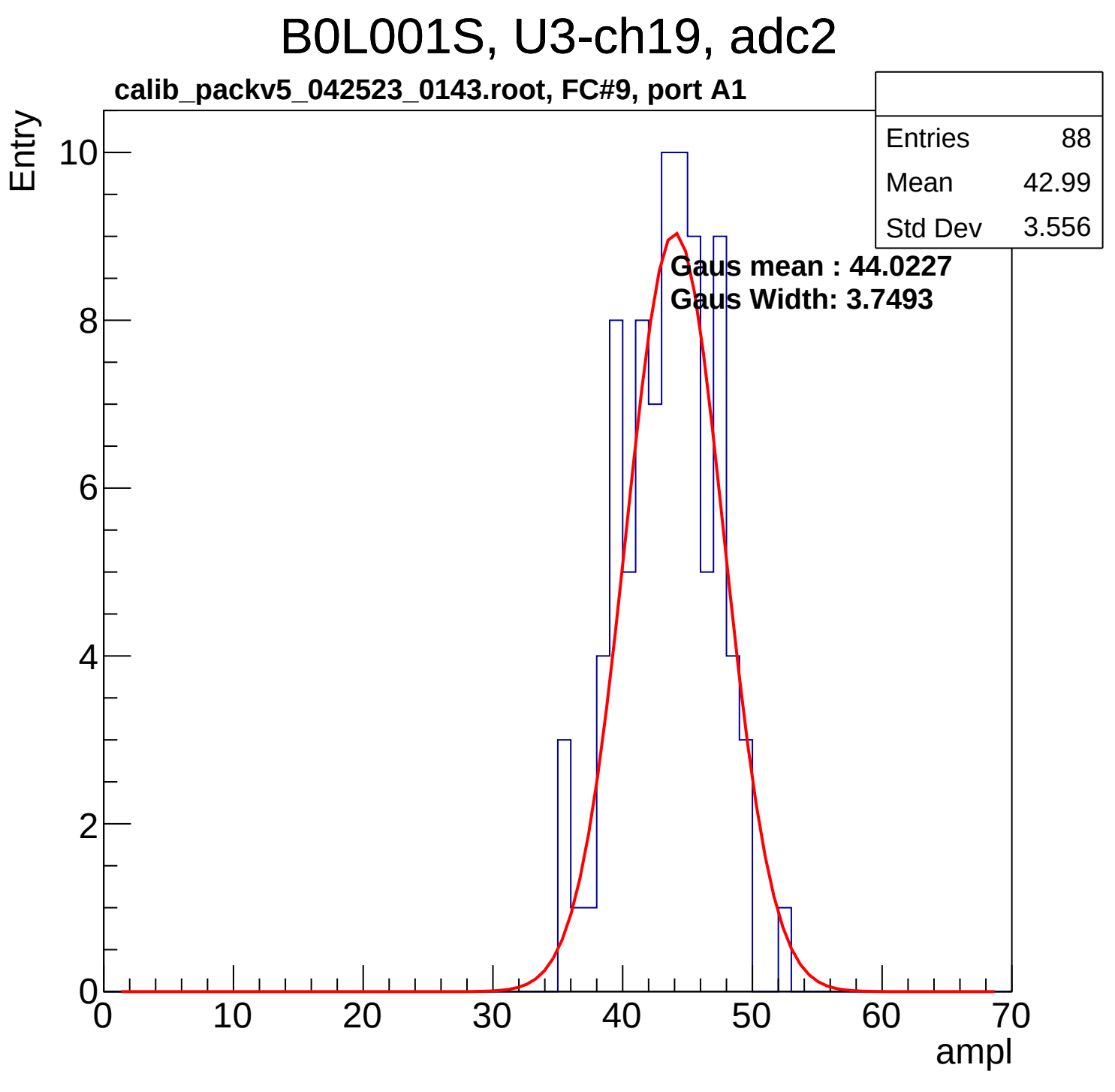
50
60
70
ampl


B0L001S, U3-ch19, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 29.07
Std Dev 7.005
Gaus mean : 32.0069
Gaus Width: 3.6289
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch19, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 35.25
Std Dev 3.354
Gaus mean : 35.5839
Gaus Width: 3.4999
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch19, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 88
Mean 42.99
Std Dev 3.556
Gaus mean : 44.0227
Gaus Width: 3.7493
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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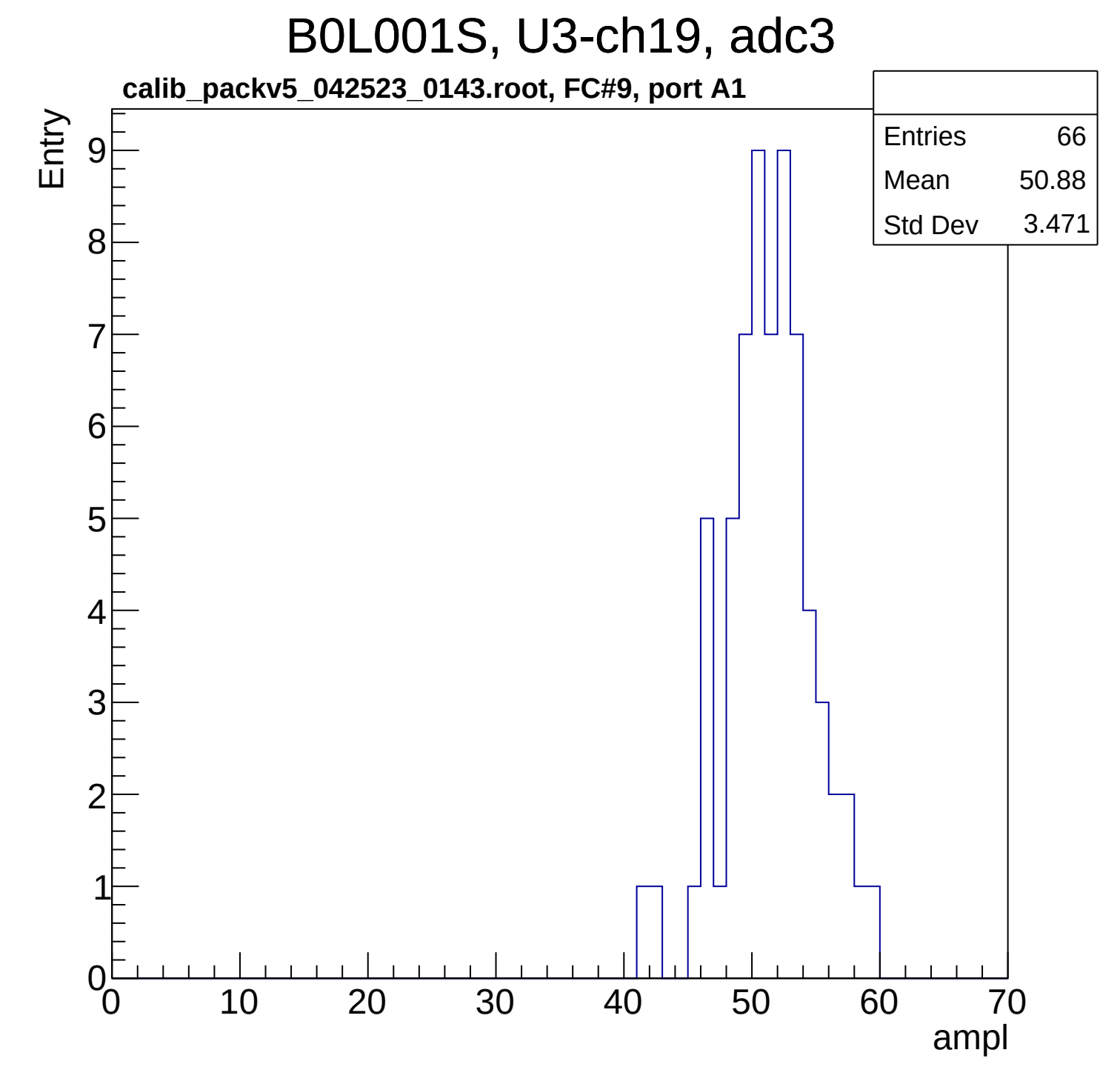
B0L001S, U3-ch19, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 50.88
Std Dev 3.471
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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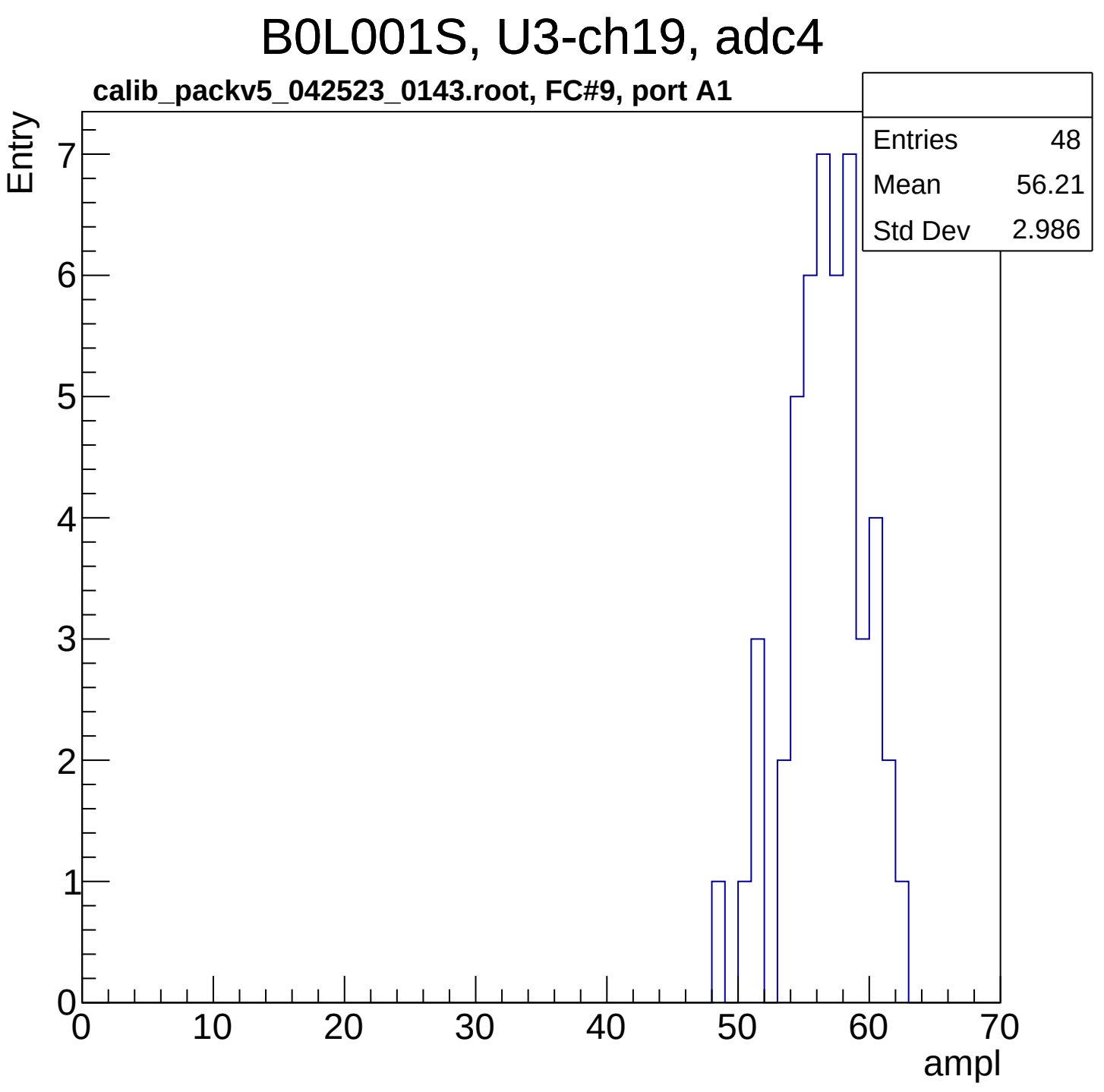
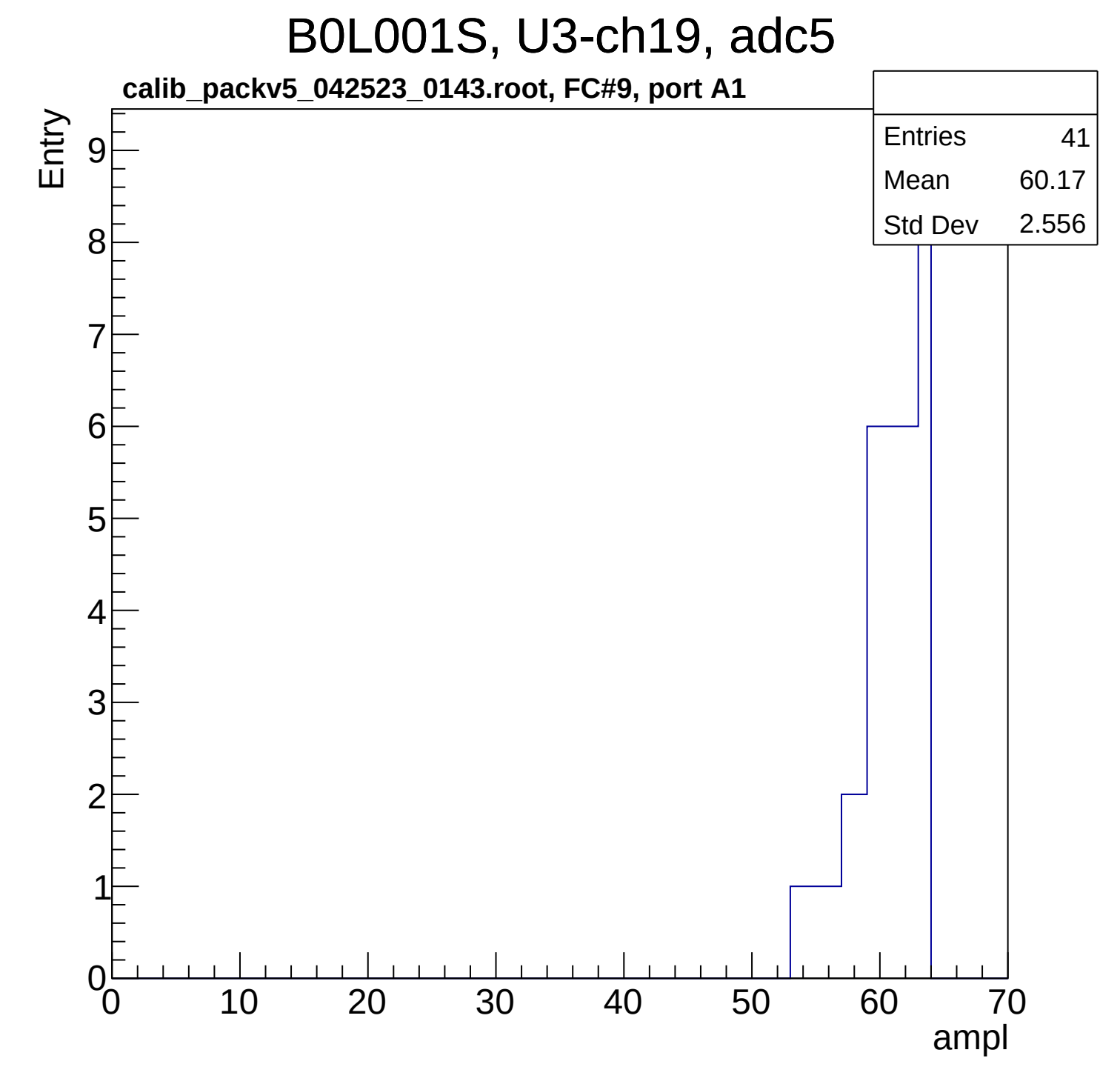

B0L001S, U3-ch19, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 56.21
Std Dev 2.986
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch19, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 60.17
Std Dev 2.556
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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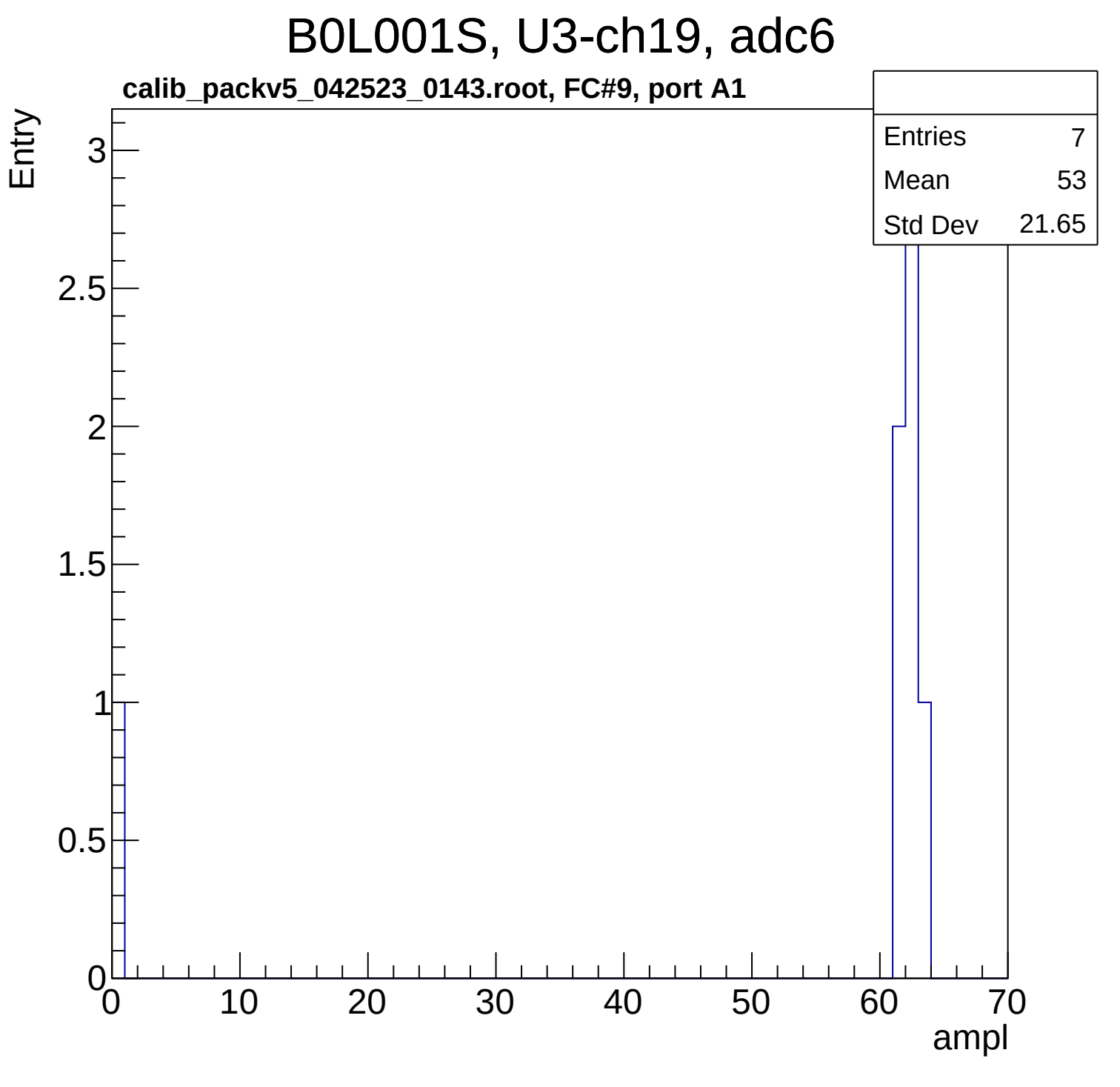
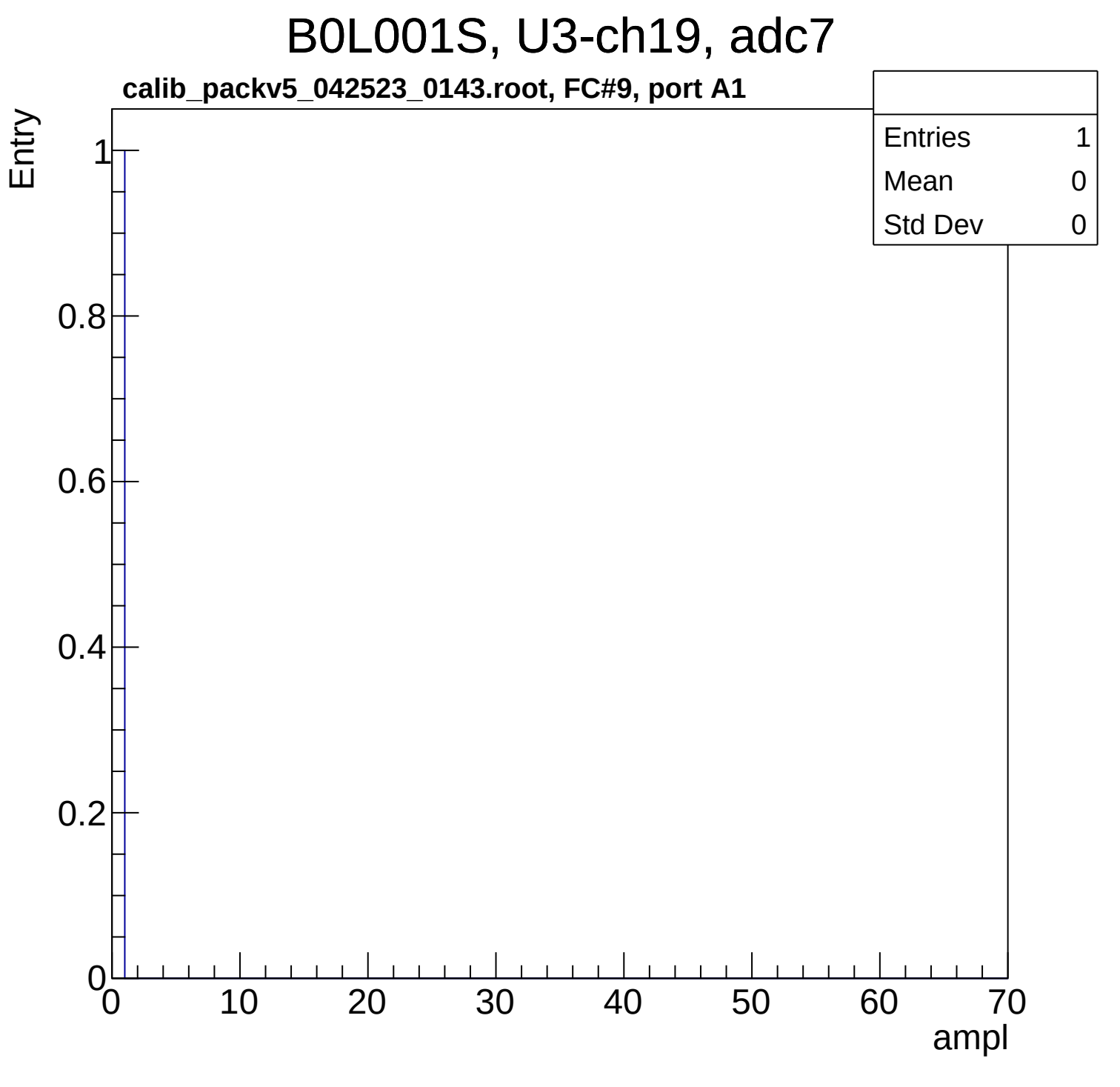
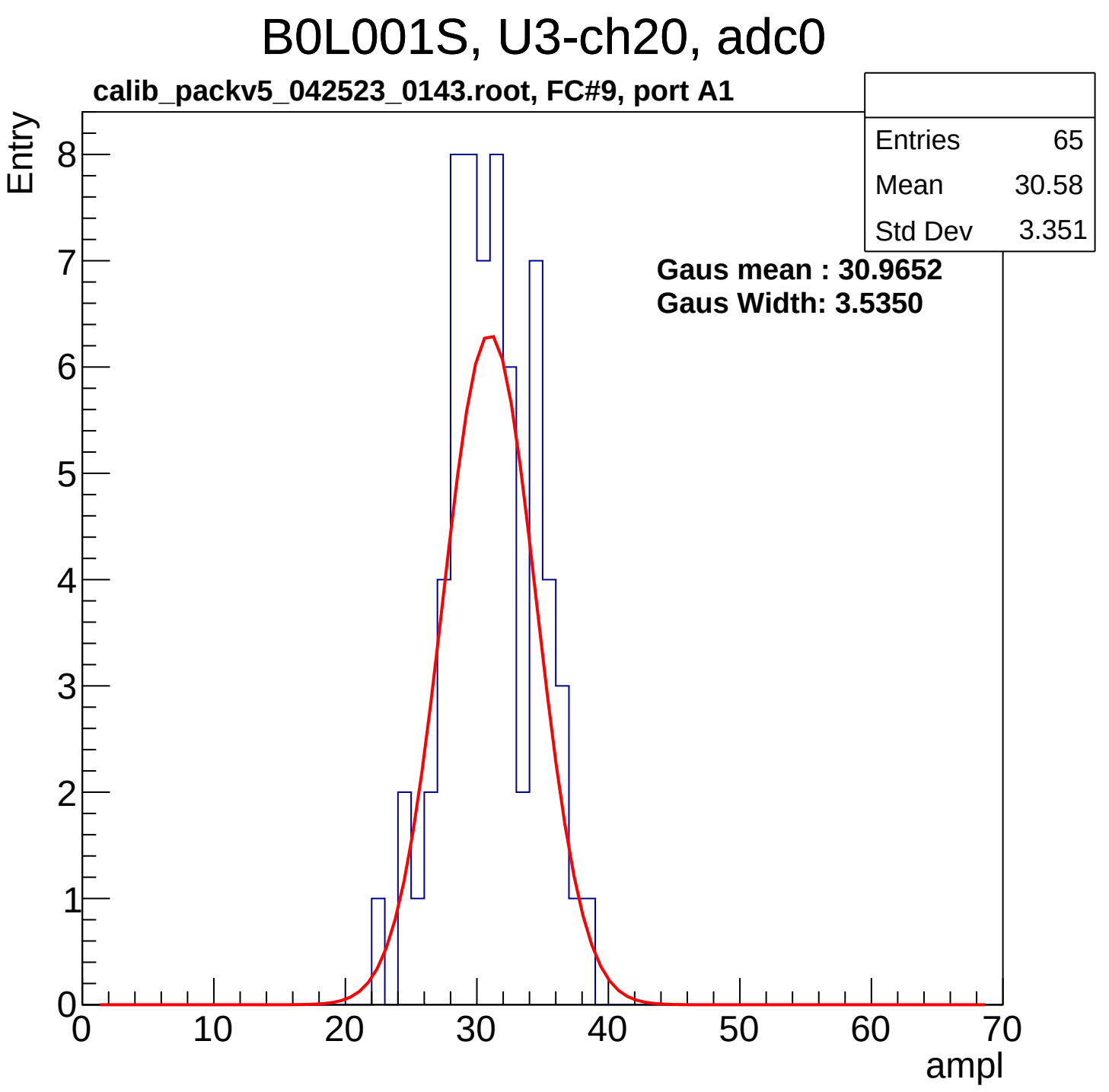
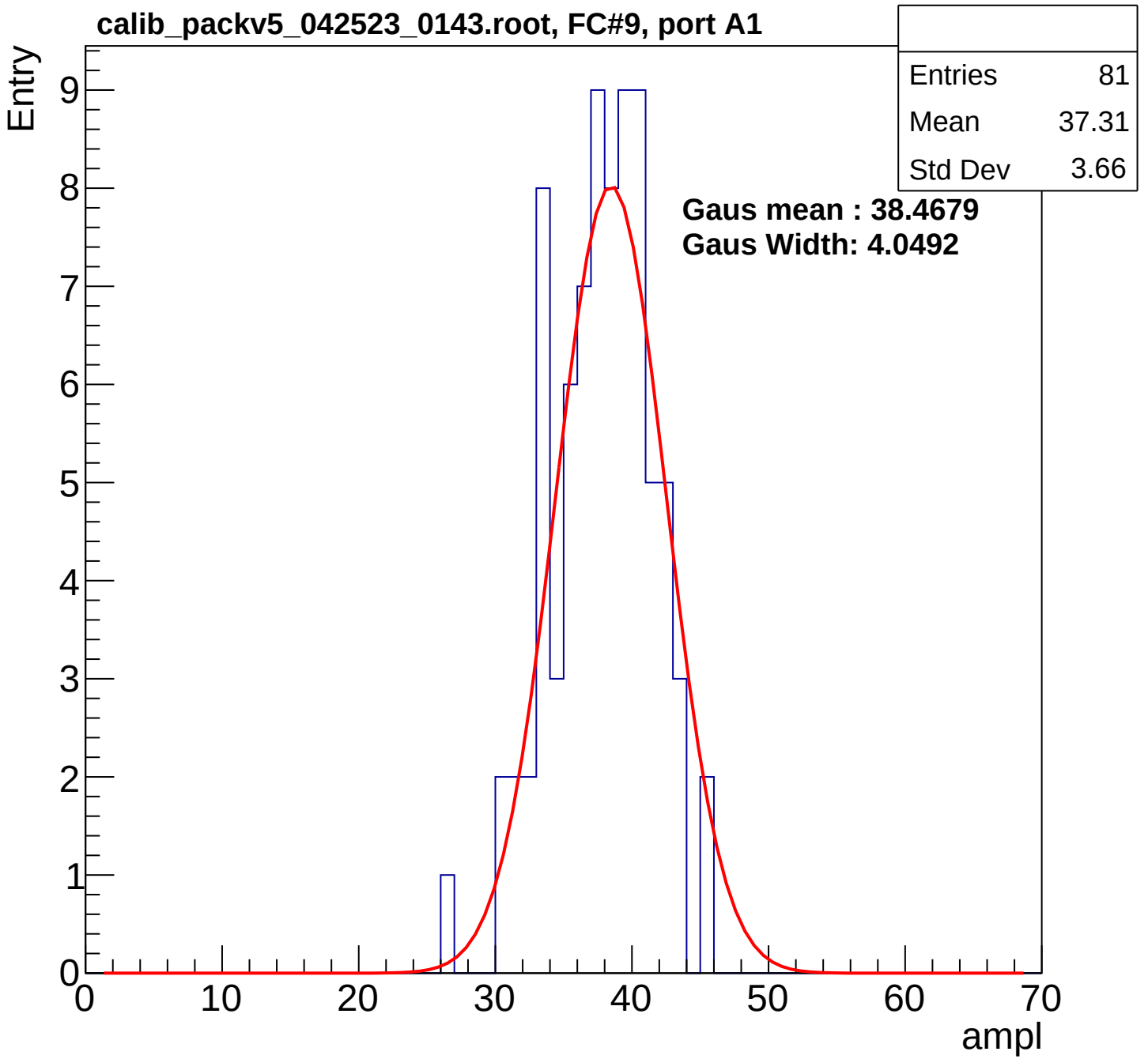

B0L001S, U3-ch19, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53
Std Dev 21.65
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch19, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch20, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 30.58
Std Dev 3.351
Gaus mean : 30.9652
Gaus Width: 3.5350
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch20, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 81
Mean 37.31
Std Dev 3.66
Gaus mean : 38.4679
Gaus Width: 4.0492
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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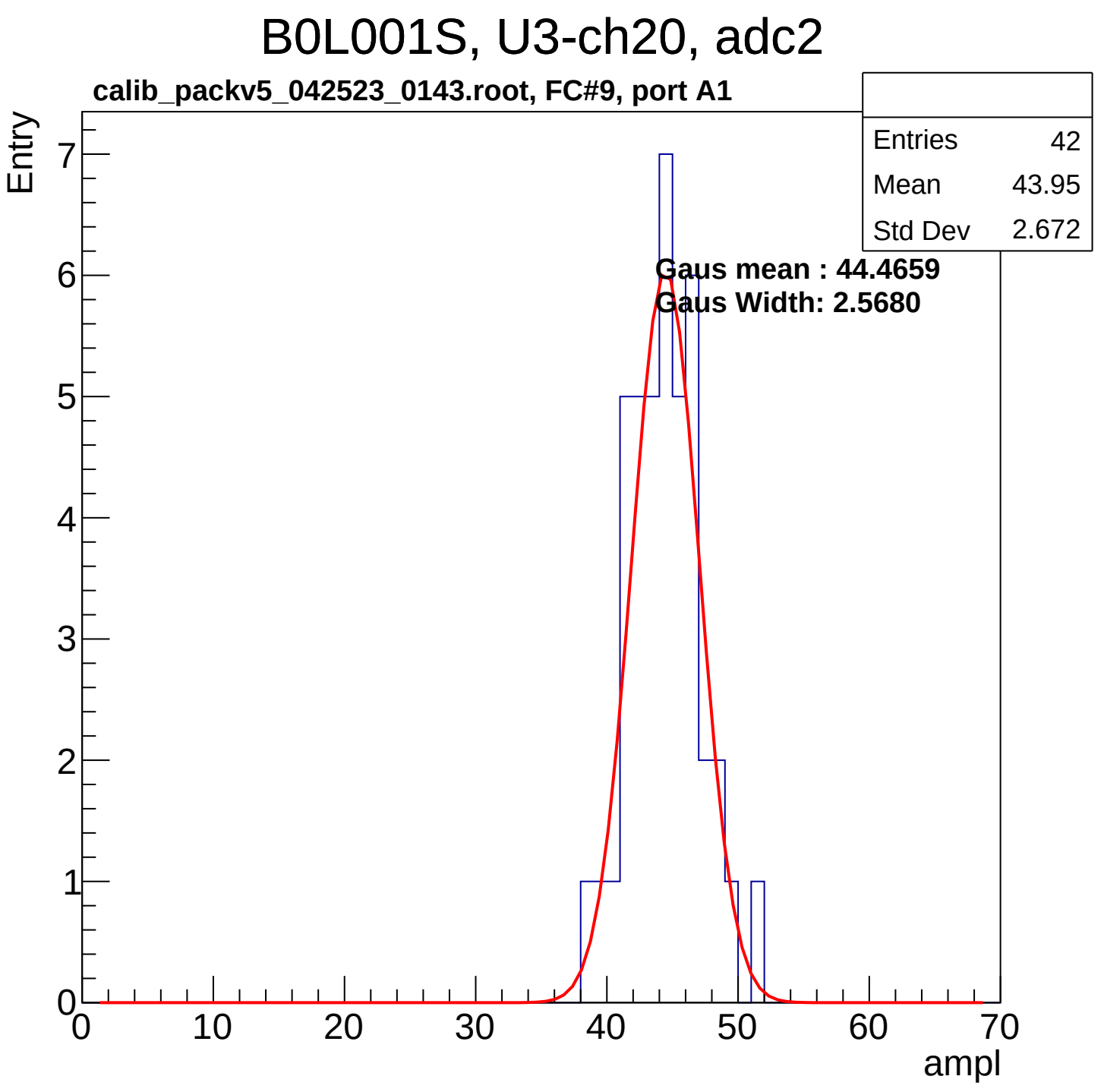
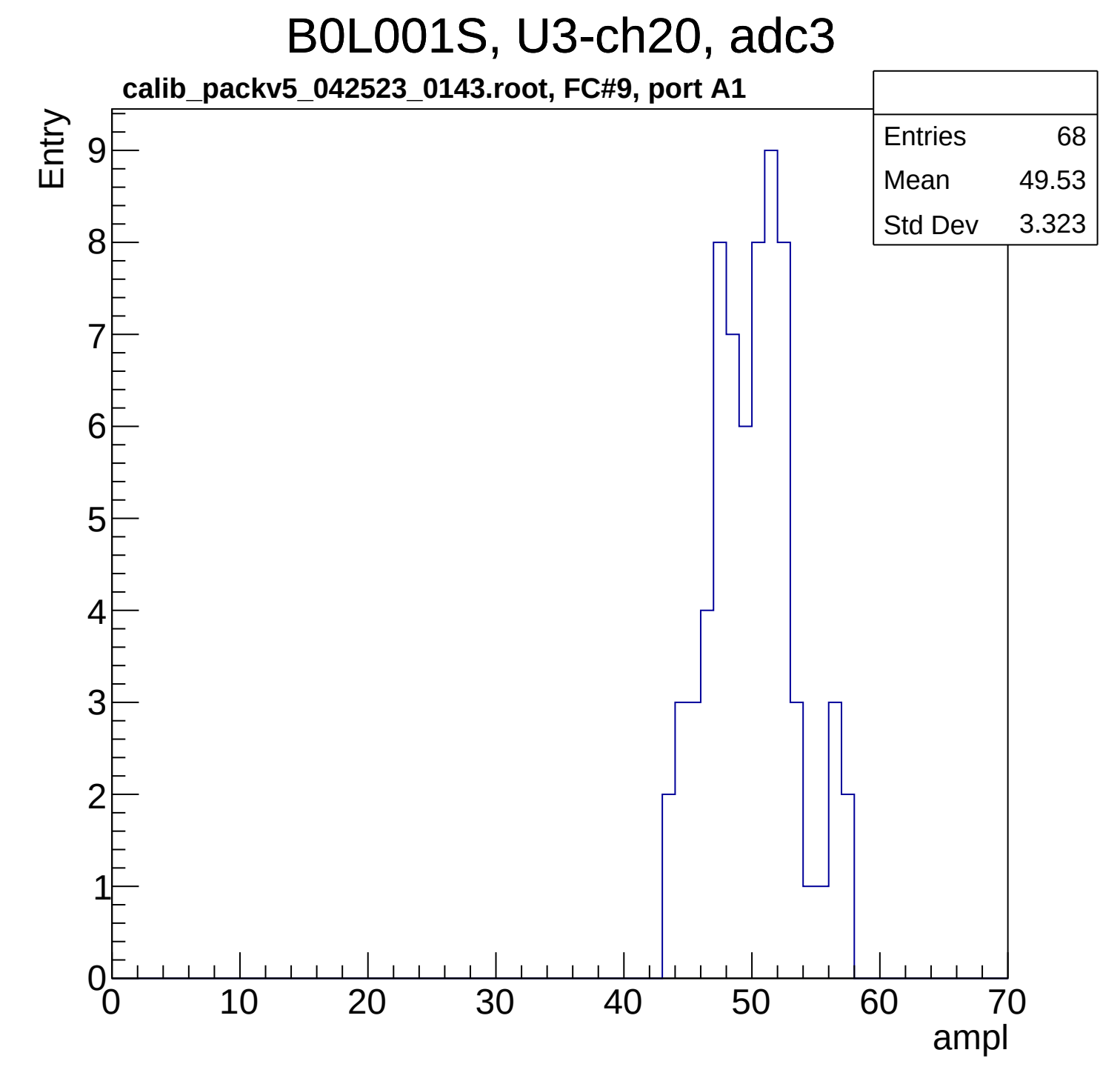
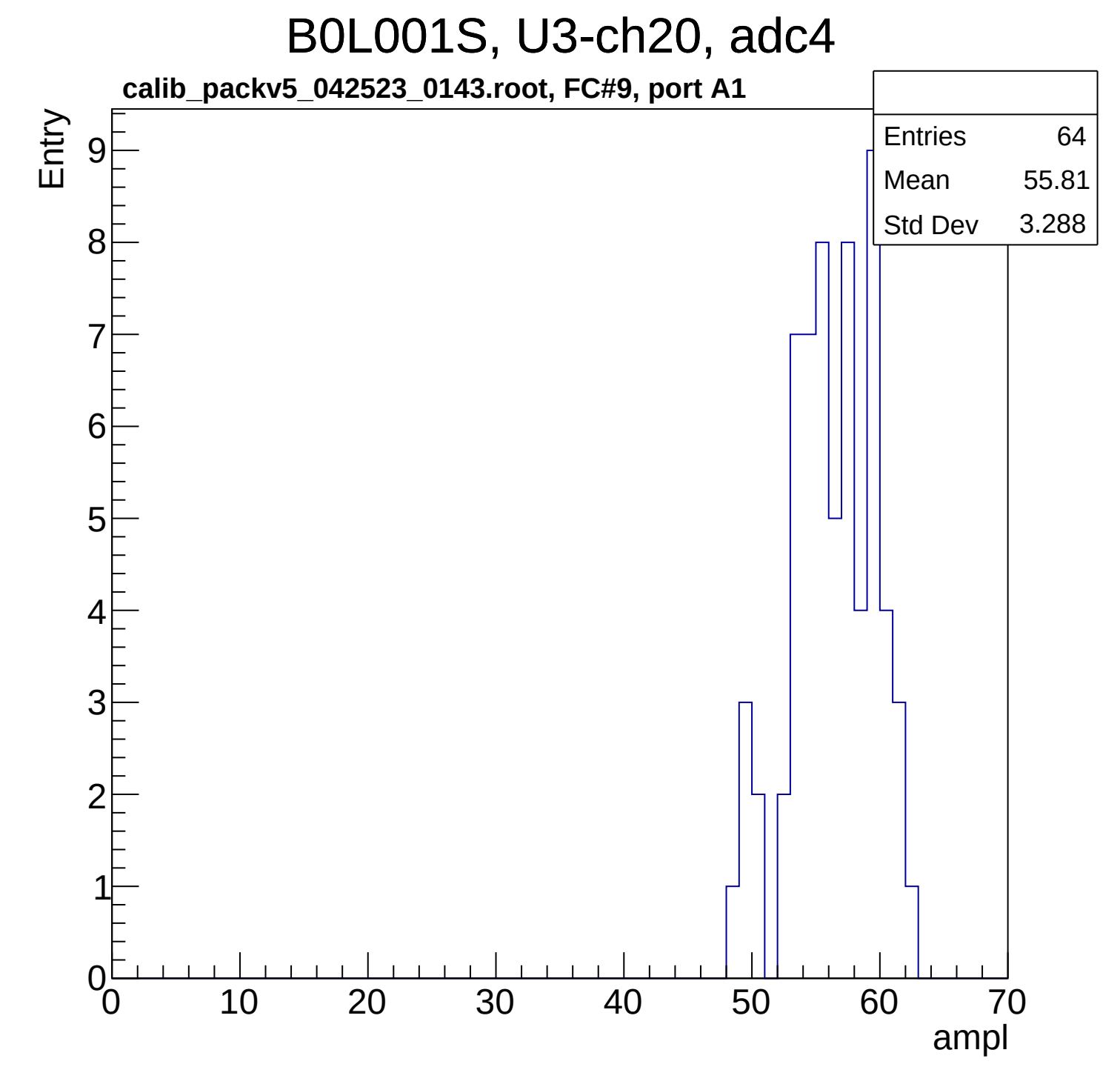

B0L001S, U3-ch20, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 43.95
Std Dev 2.672
Gaus mean : 44.4659
Gaus Width: 2.5680
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch20, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 49.53
Std Dev 3.323
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch20, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 55.81
Std Dev 3.288
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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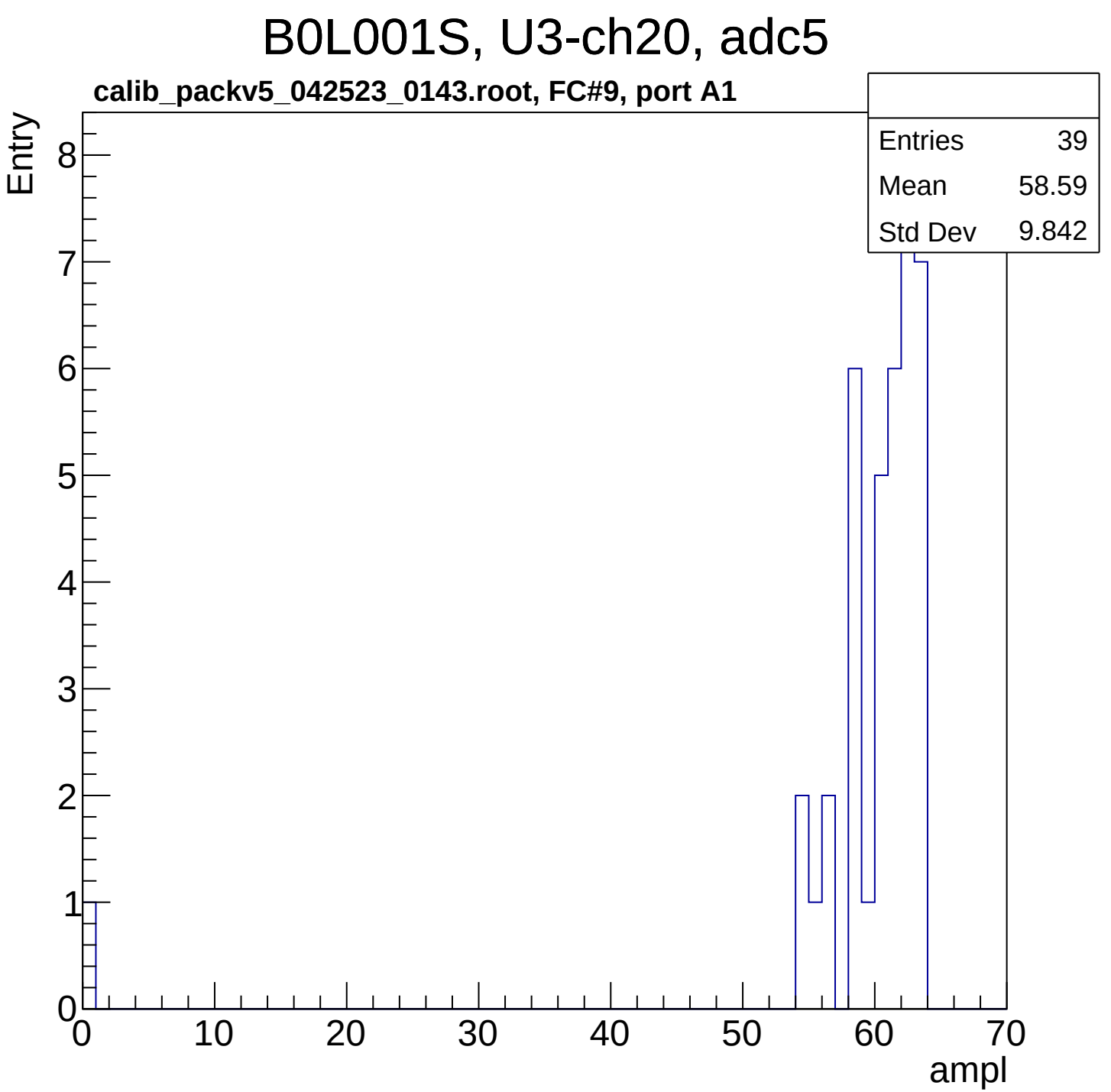
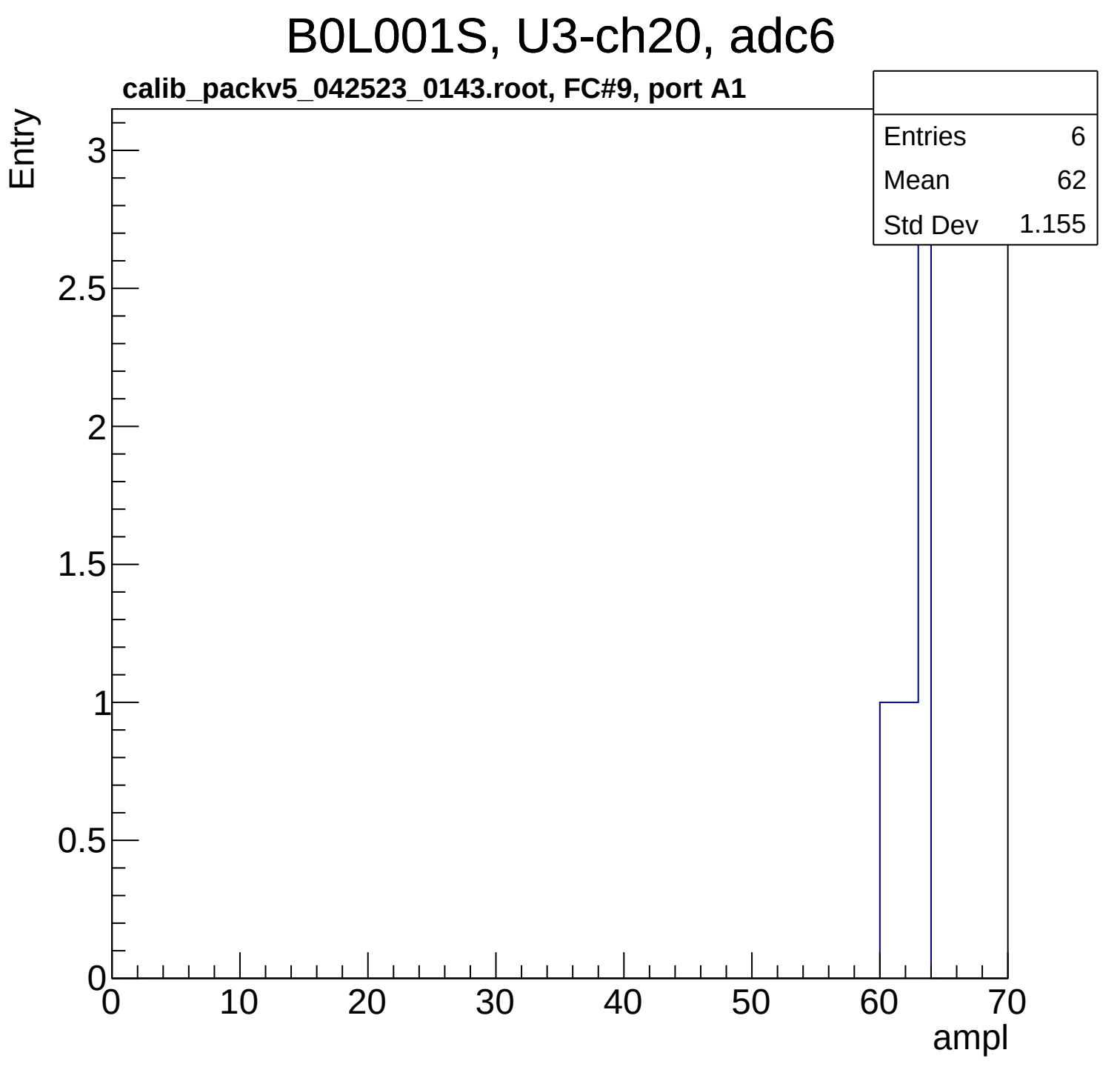
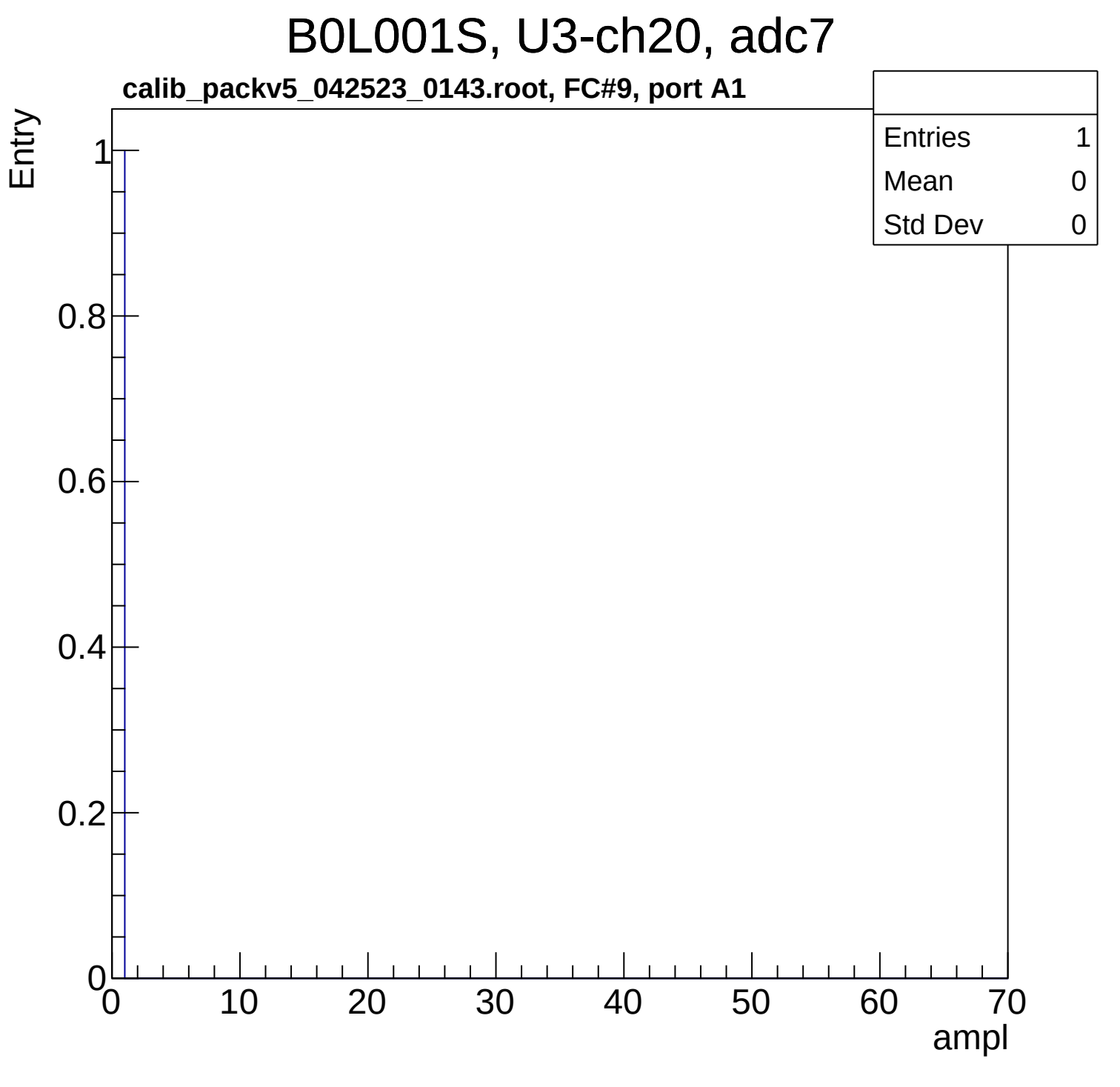

B0L001S, U3-ch20, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 39
Mean 58.59
Std Dev 9.842
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch20, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 62
Std Dev 1.155
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch20, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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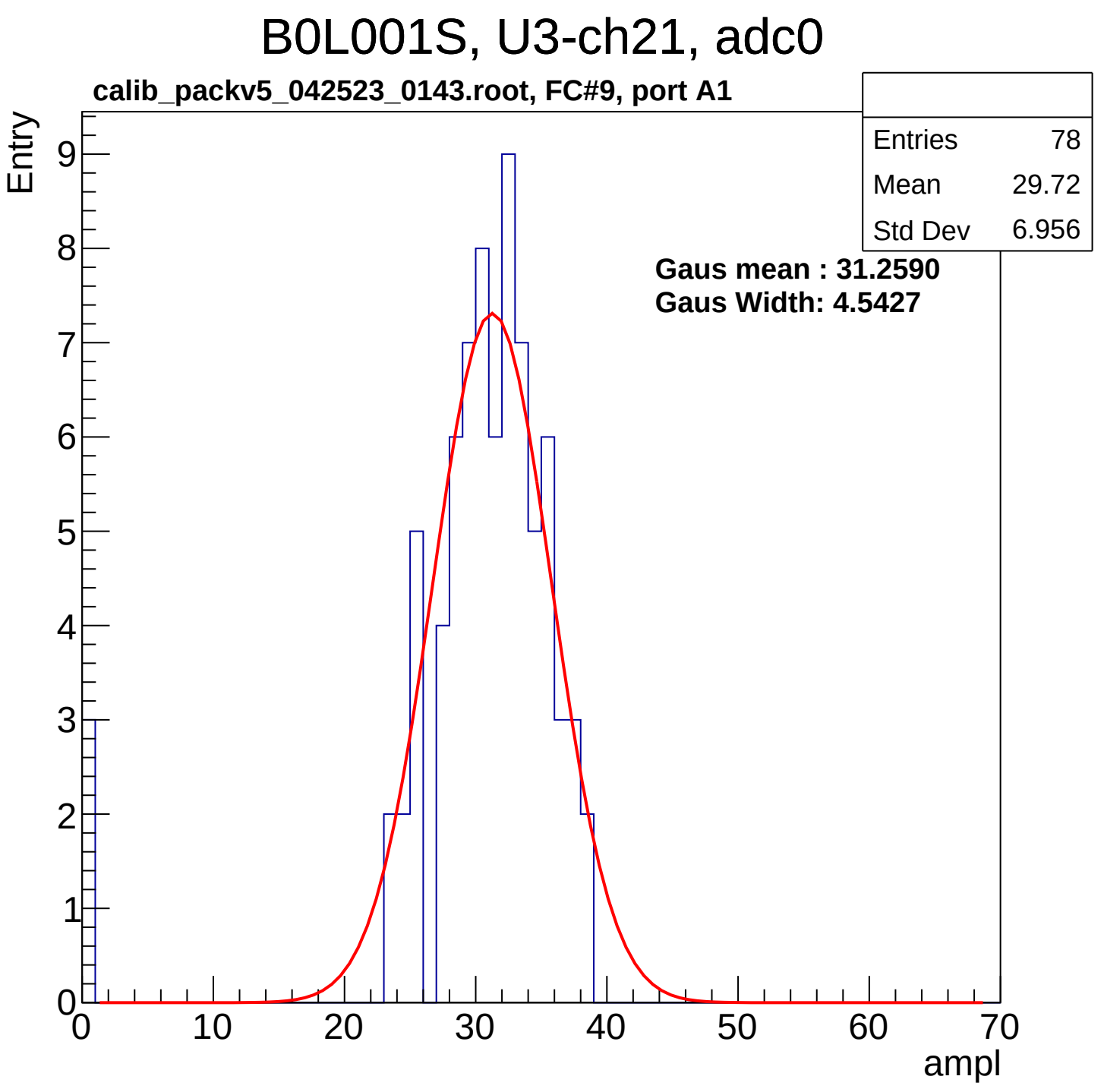
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch21, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 29.72
Std Dev 6.956
Gaus mean : 31.2590
Gaus Width: 4.5427
Entry
ampl
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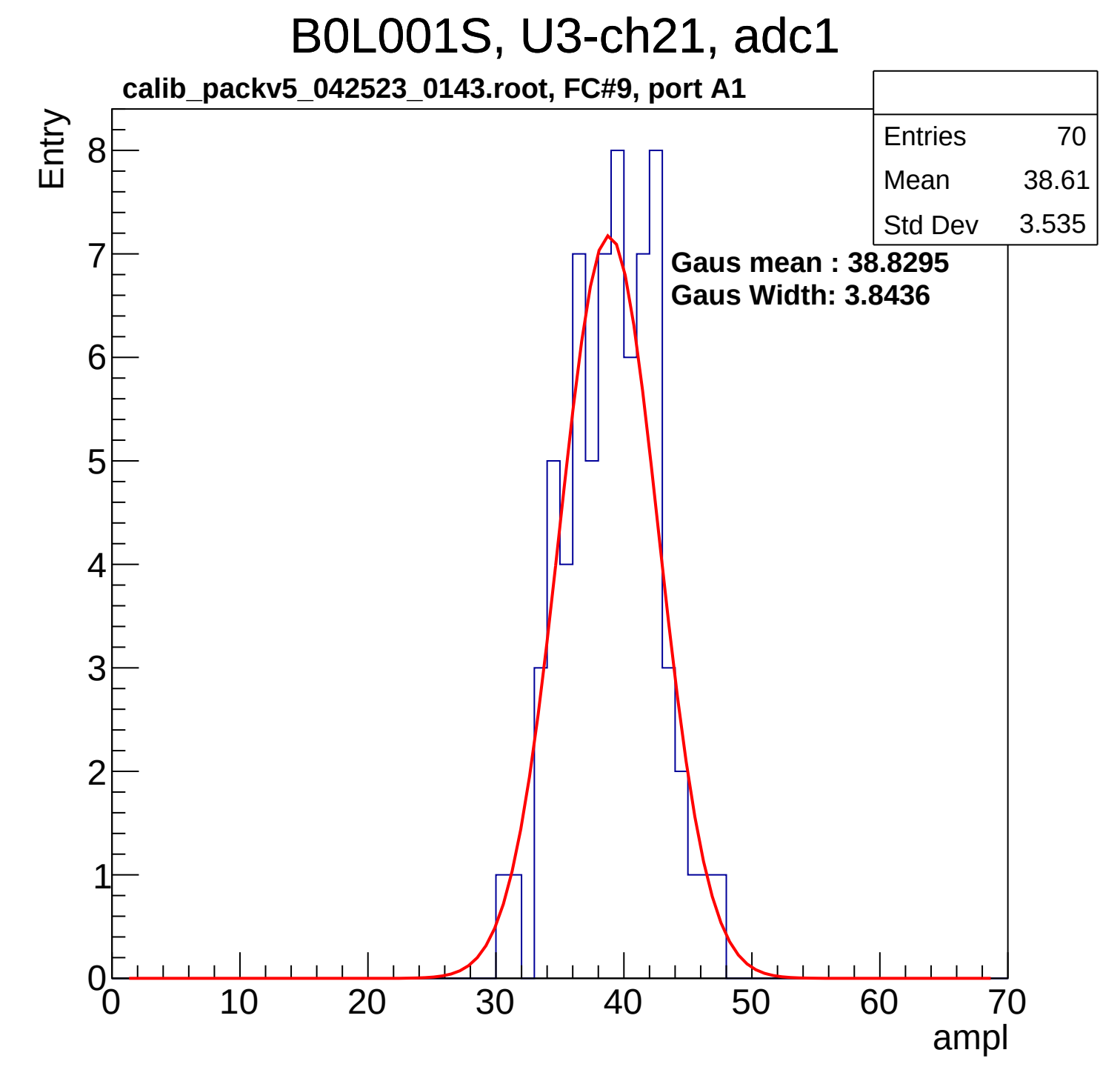
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch21, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 38.61
Std Dev 3.535
Gaus mean : 38.8295
Gaus Width: 3.8436
Entry
ampl
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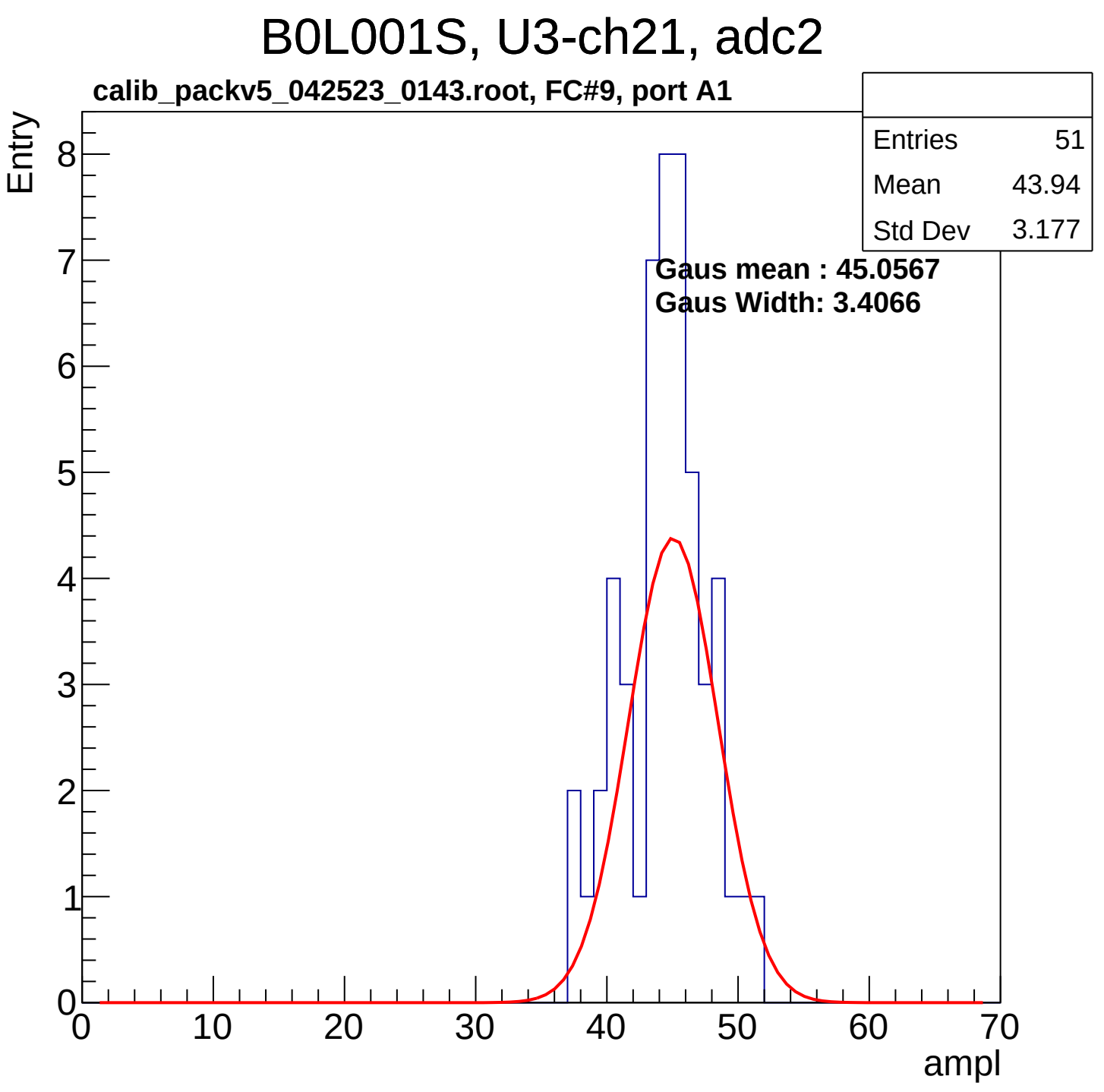
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch21, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 43.94
Std Dev 3.177
Gaus mean : 45.0567
Gaus Width: 3.4066
Entry
ampl
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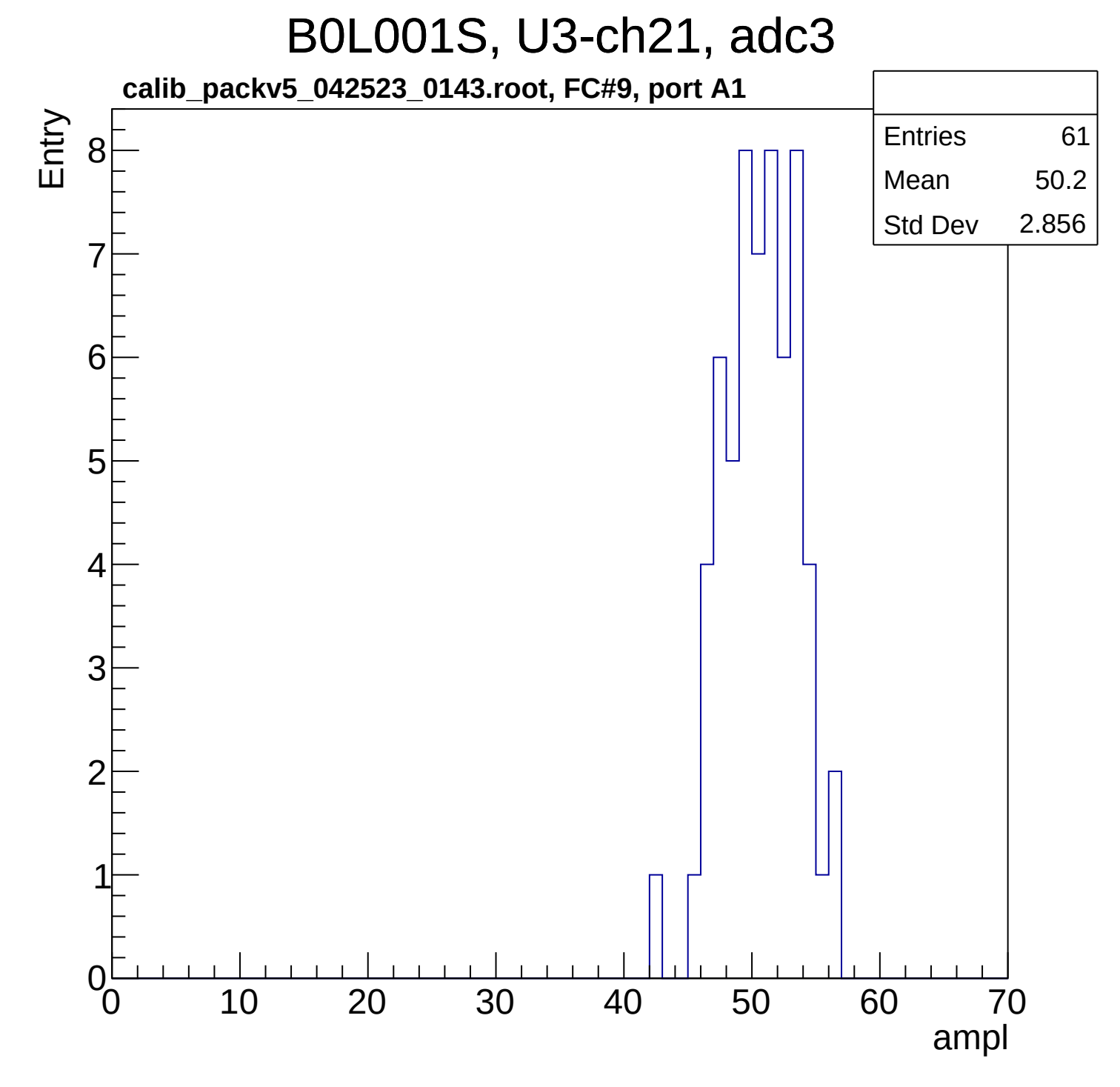
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch21, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 50.2
Std Dev 2.856
Entry
ampl
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1
2
3
4
5
6
7
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0
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40
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60
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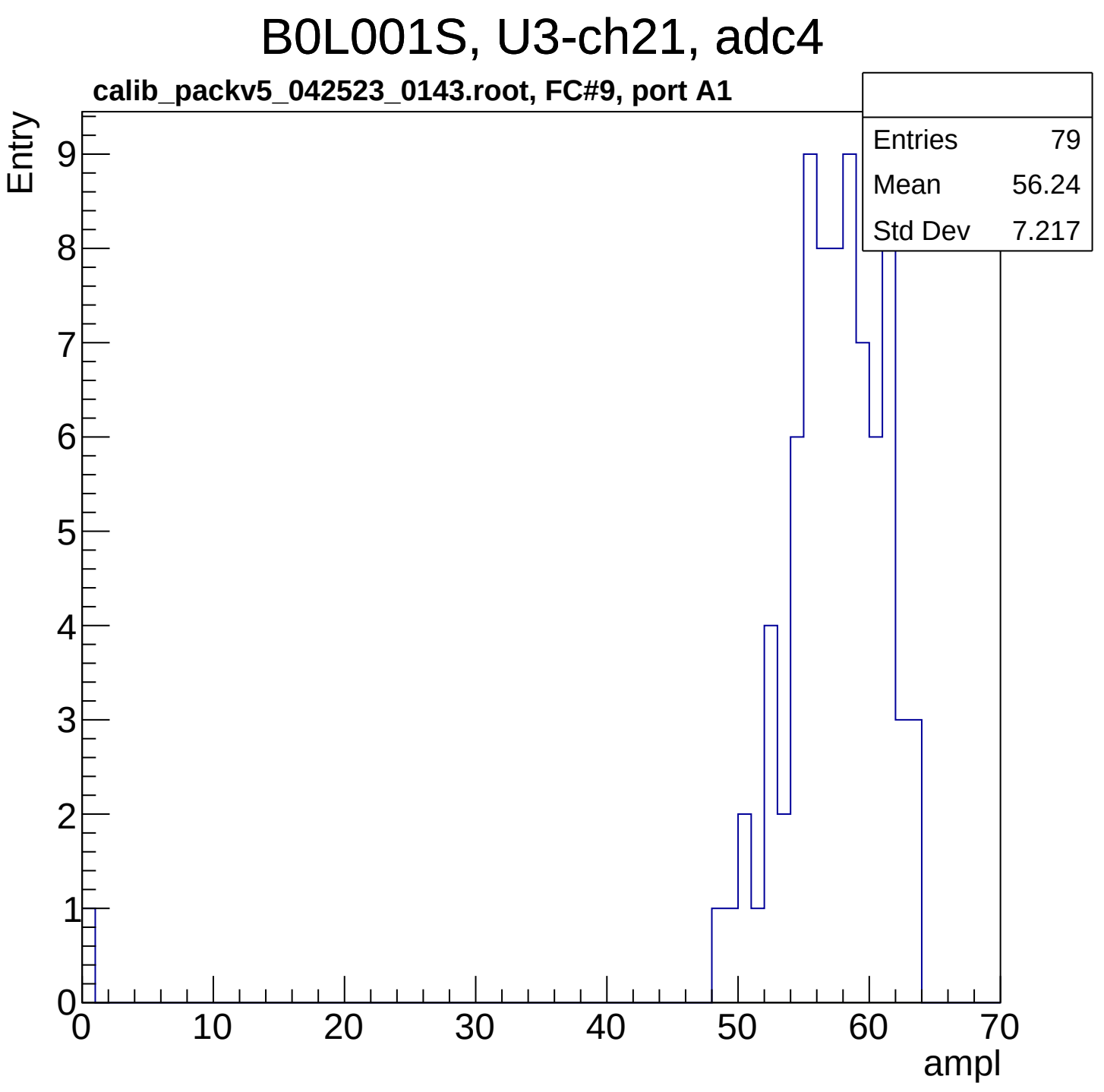
B0L001S, U3-ch21, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 56.24
Std Dev 7.217
Entry
ampl
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2
3
4
5
6
7
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9
0
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40
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60
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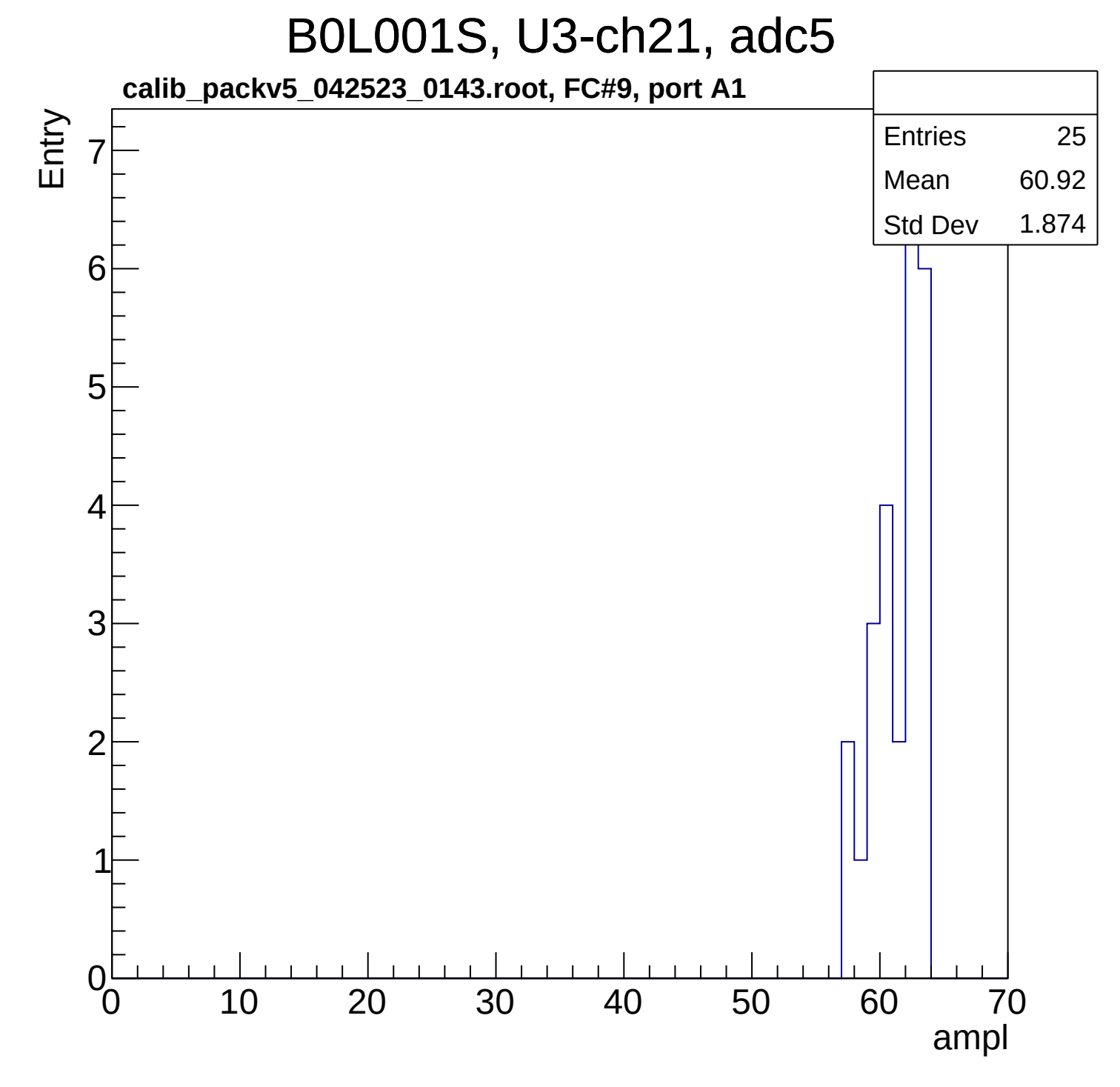
B0L001S, U3-ch21, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 25
Mean 60.92
Std Dev 1.874
Entry
ampl
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4
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6
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0
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60
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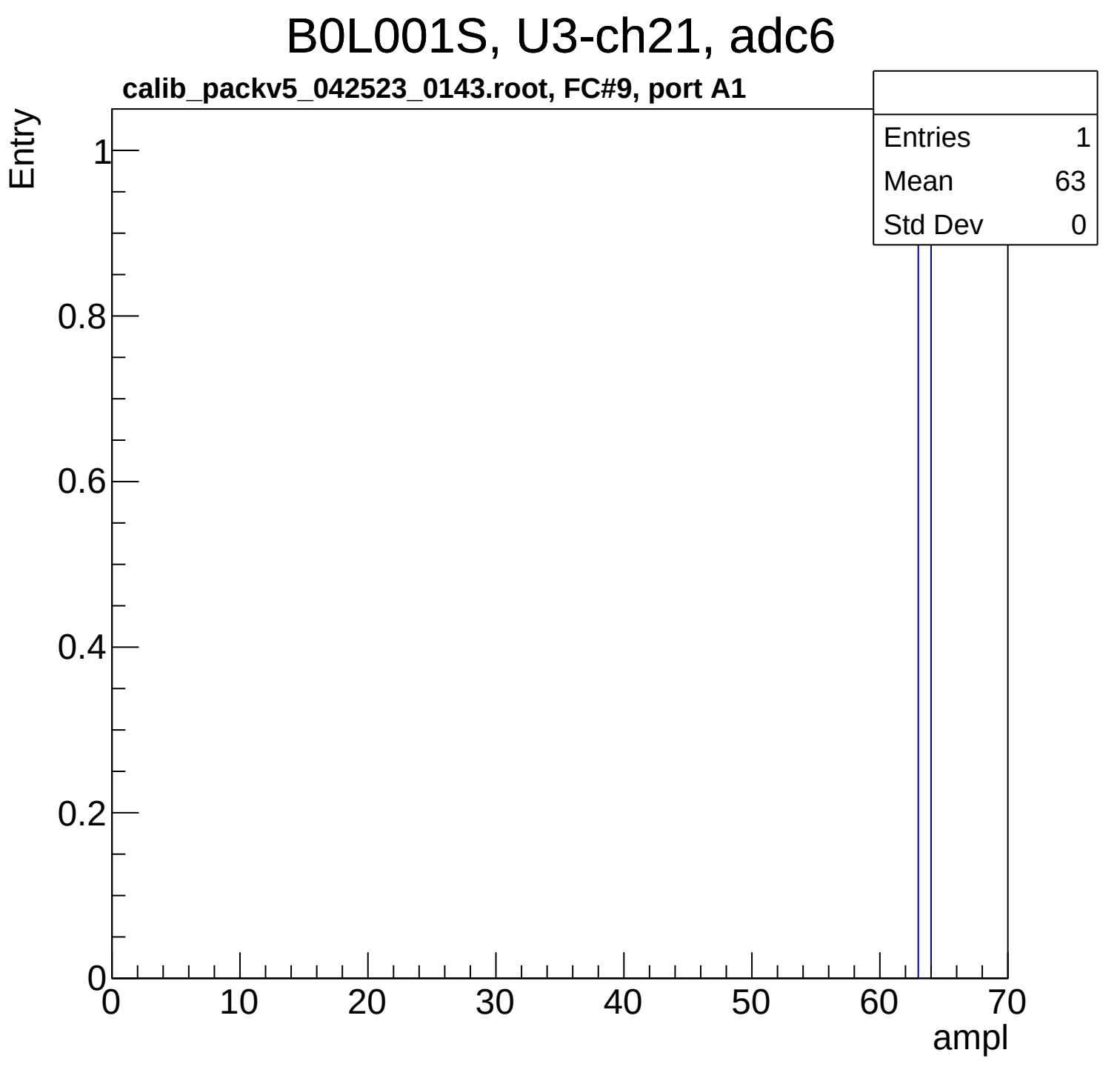
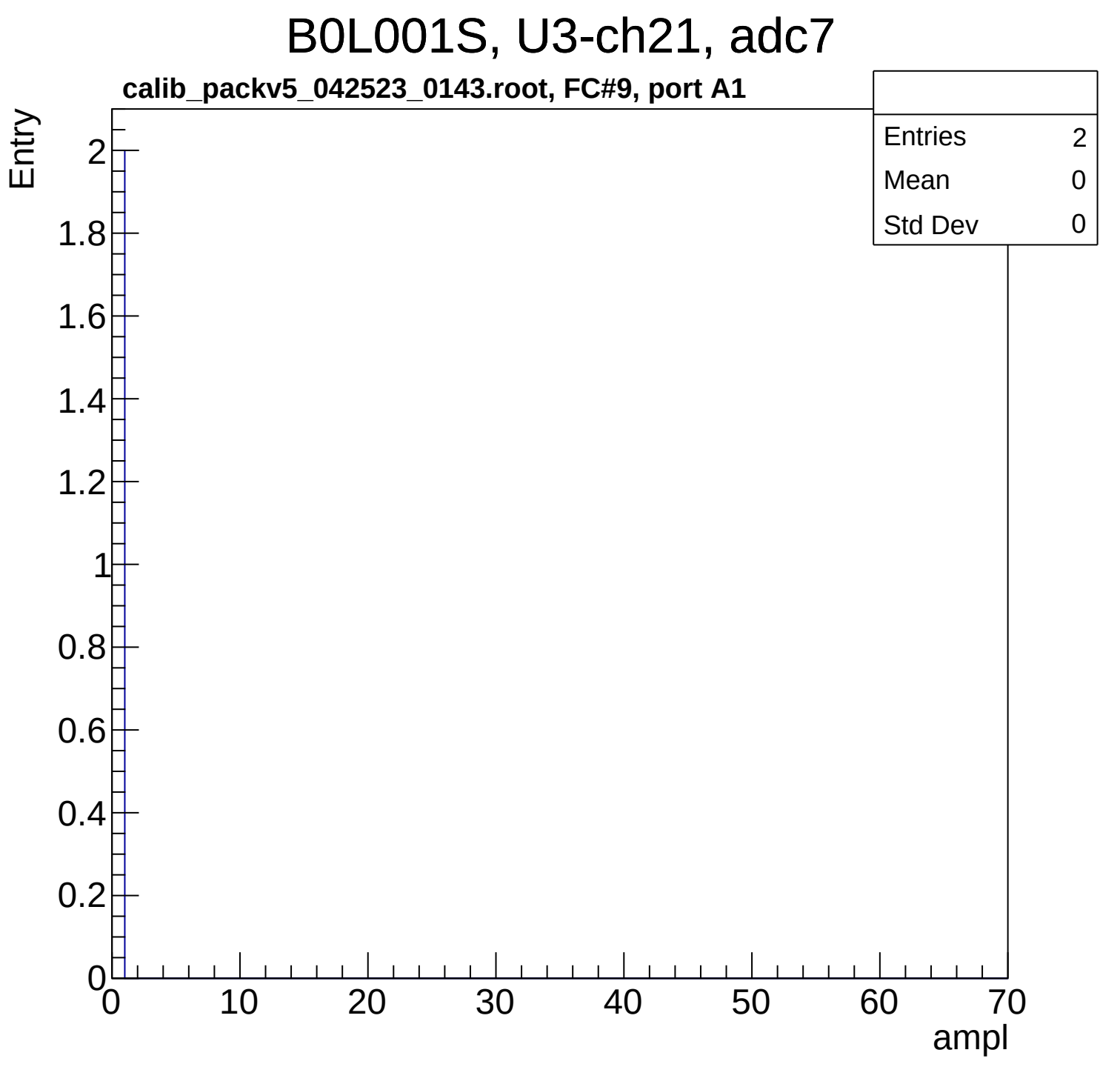

B0L001S, U3-ch21, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch21, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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
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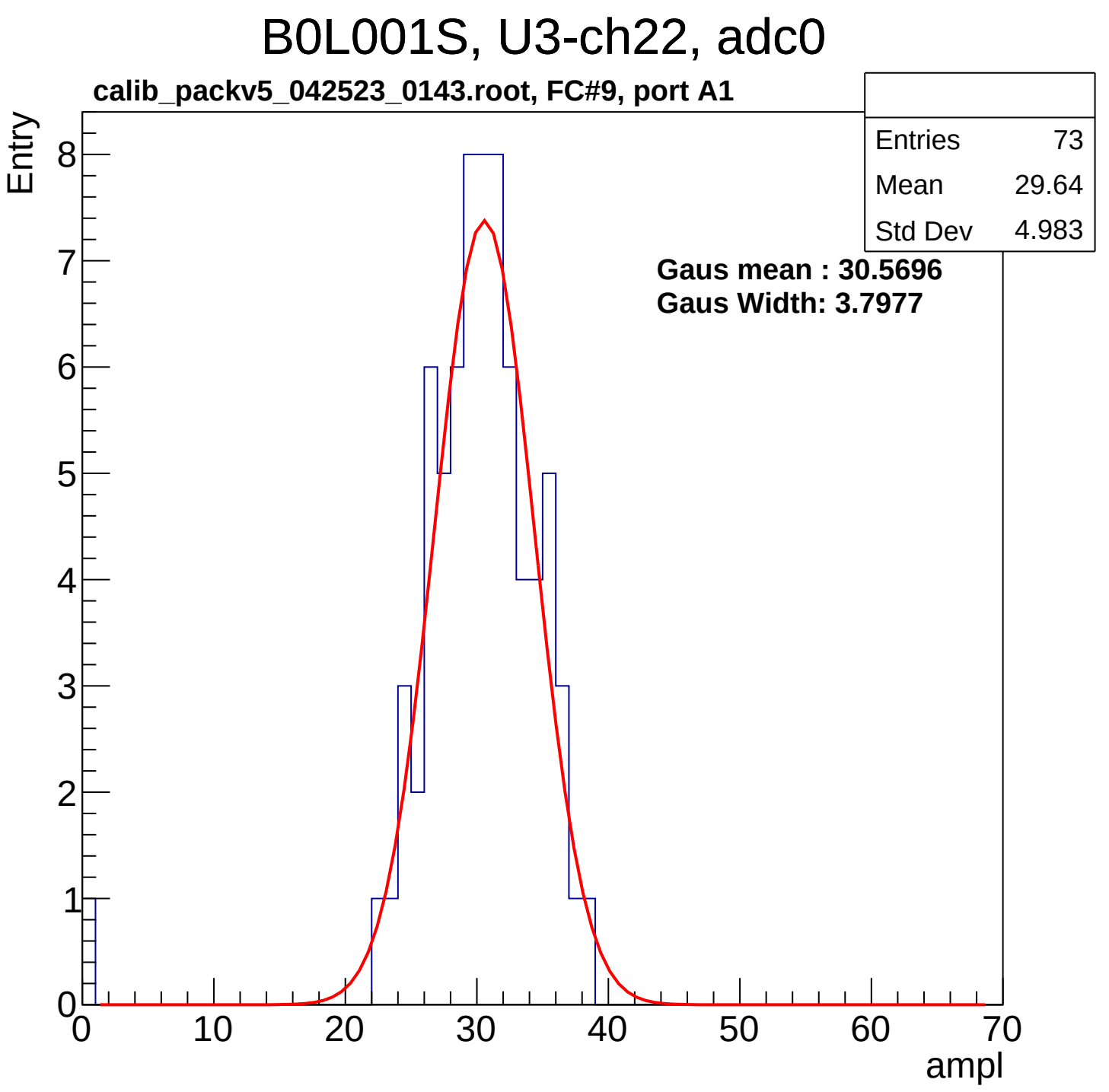
50
60
70
ampl


B0L001S, U3-ch22, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 29.64
Std Dev 4.983
Gaus mean : 30.5696
Gaus Width: 3.7977
Entry
ampl
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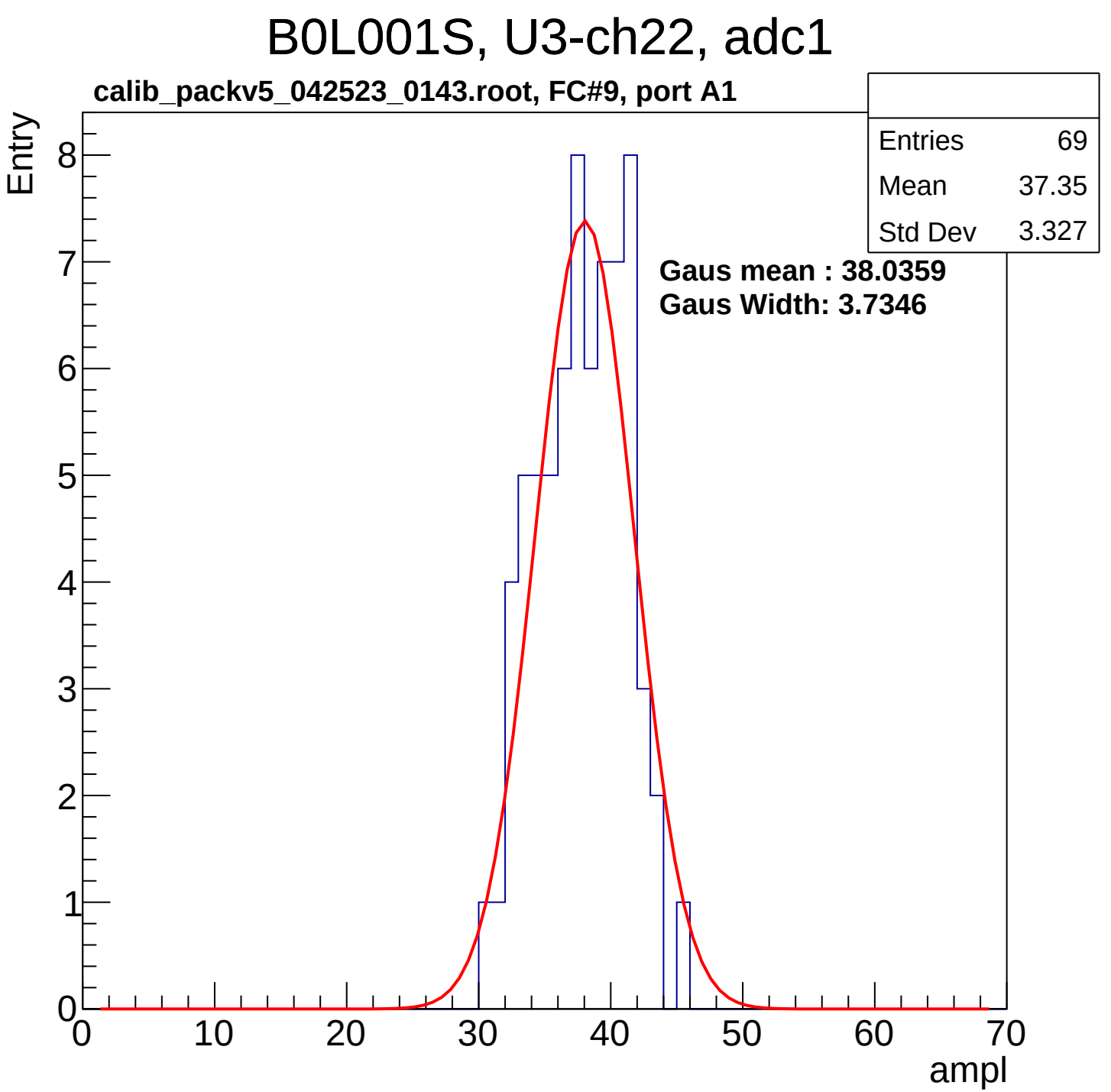
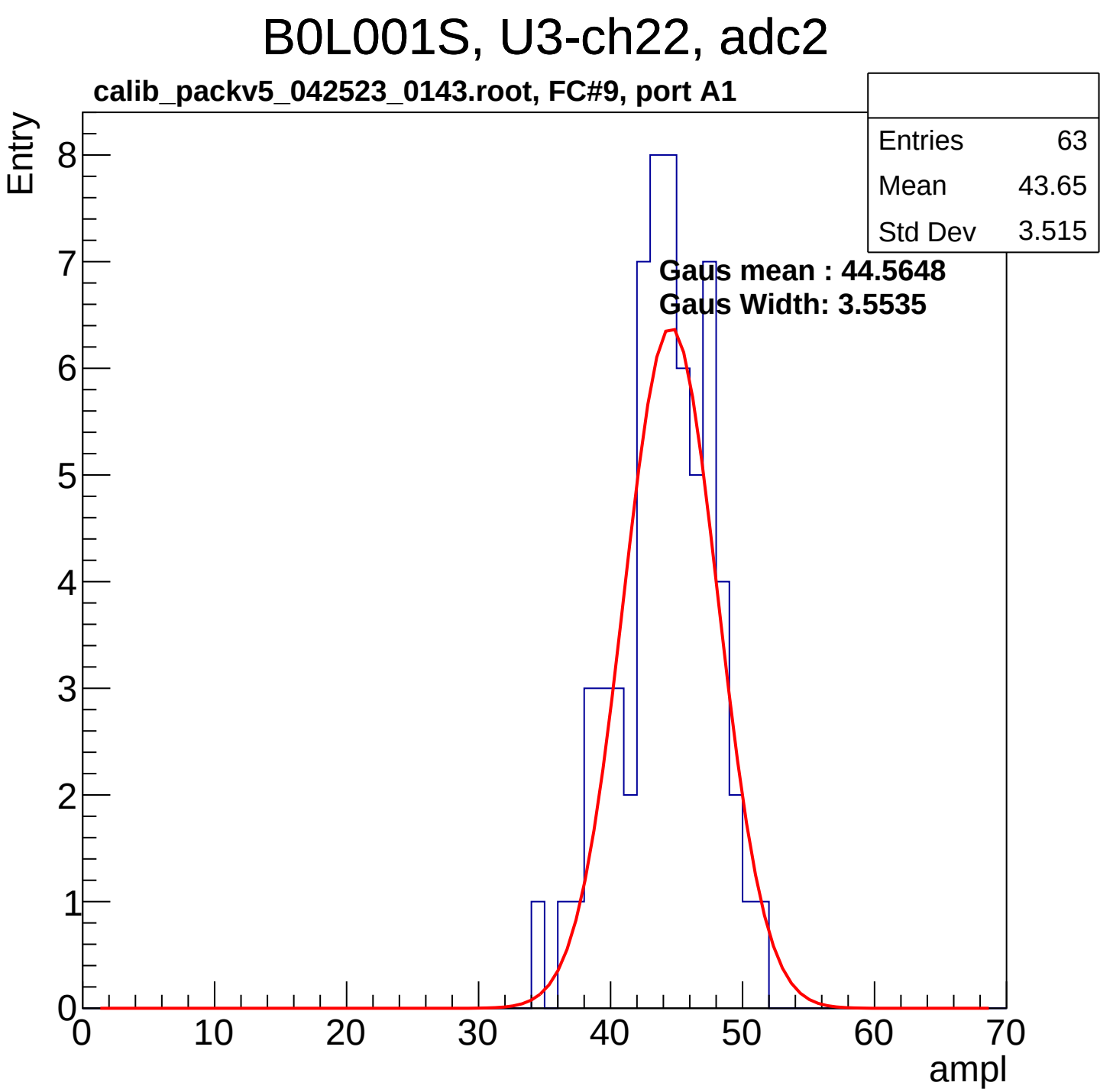
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch22, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 37.35
Std Dev 3.327
Gaus mean : 38.0359
Gaus Width: 3.7346
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch22, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 43.65
Std Dev 3.515
Gaus mean : 44.5648
Gaus Width: 3.5535
Entry
ampl
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2
3
4
5
6
7
8
0
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40
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60
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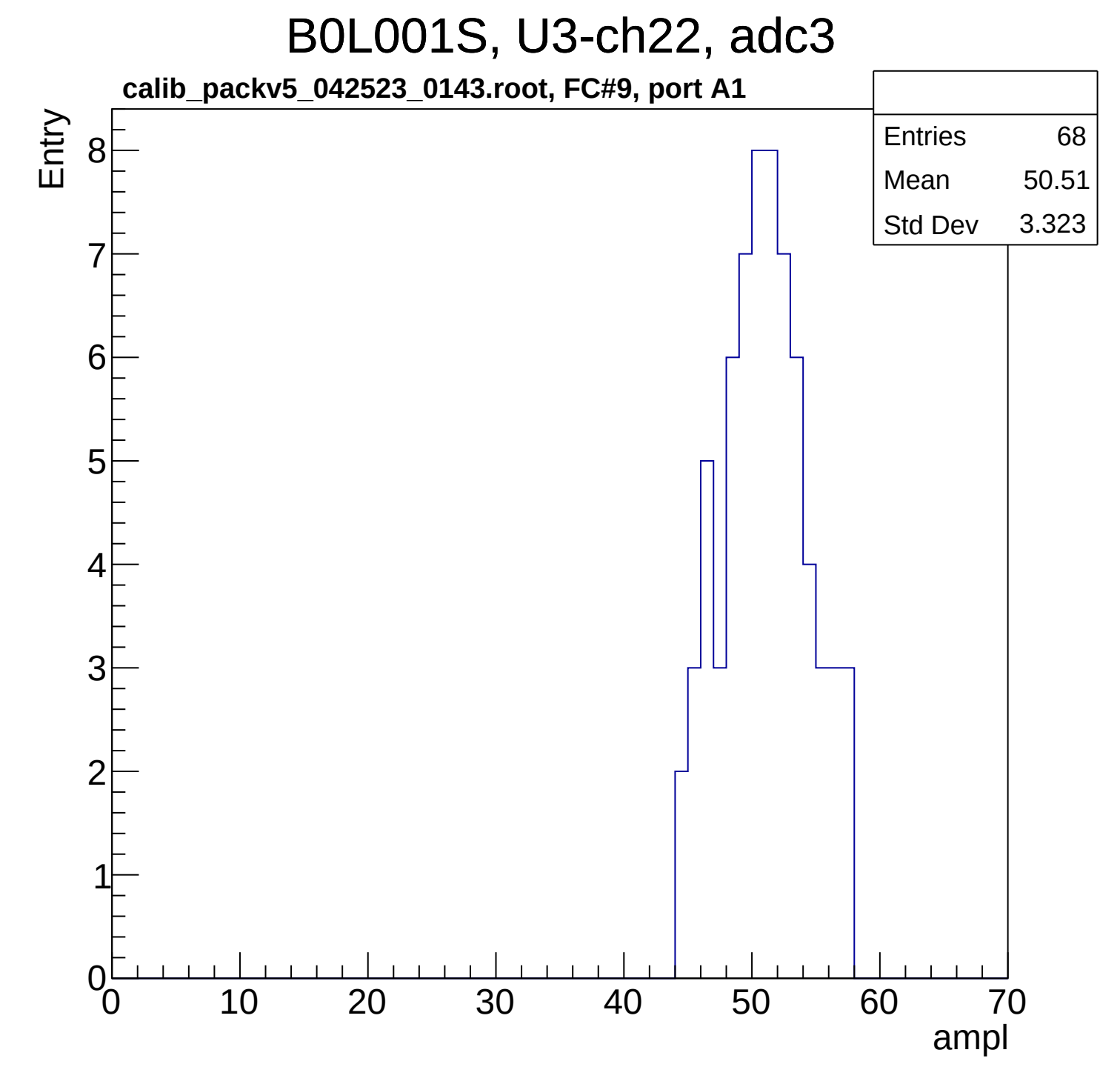
B0L001S, U3-ch22, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 50.51
Std Dev 3.323
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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40
50
60
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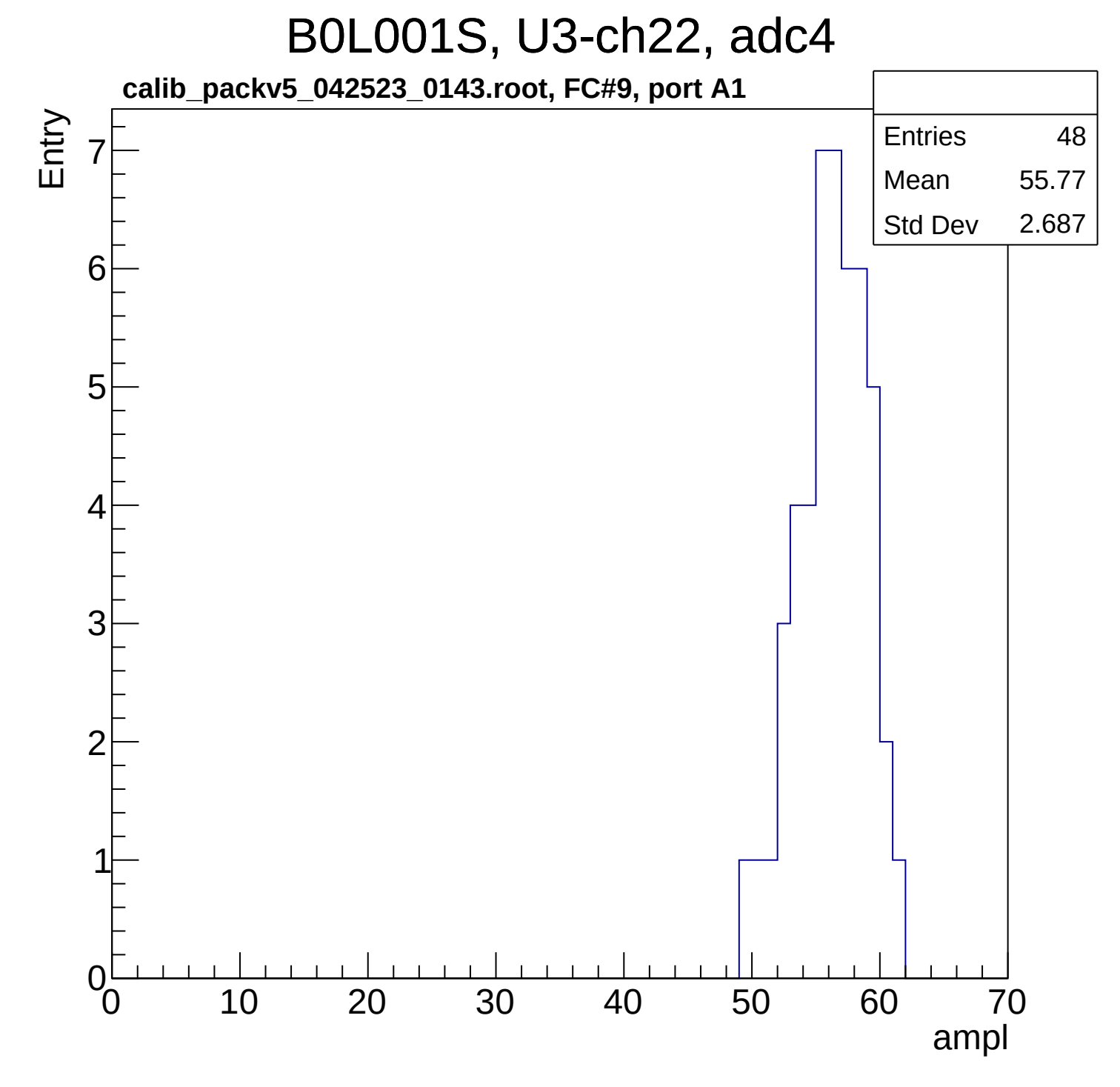
B0L001S, U3-ch22, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 55.77
Std Dev 2.687
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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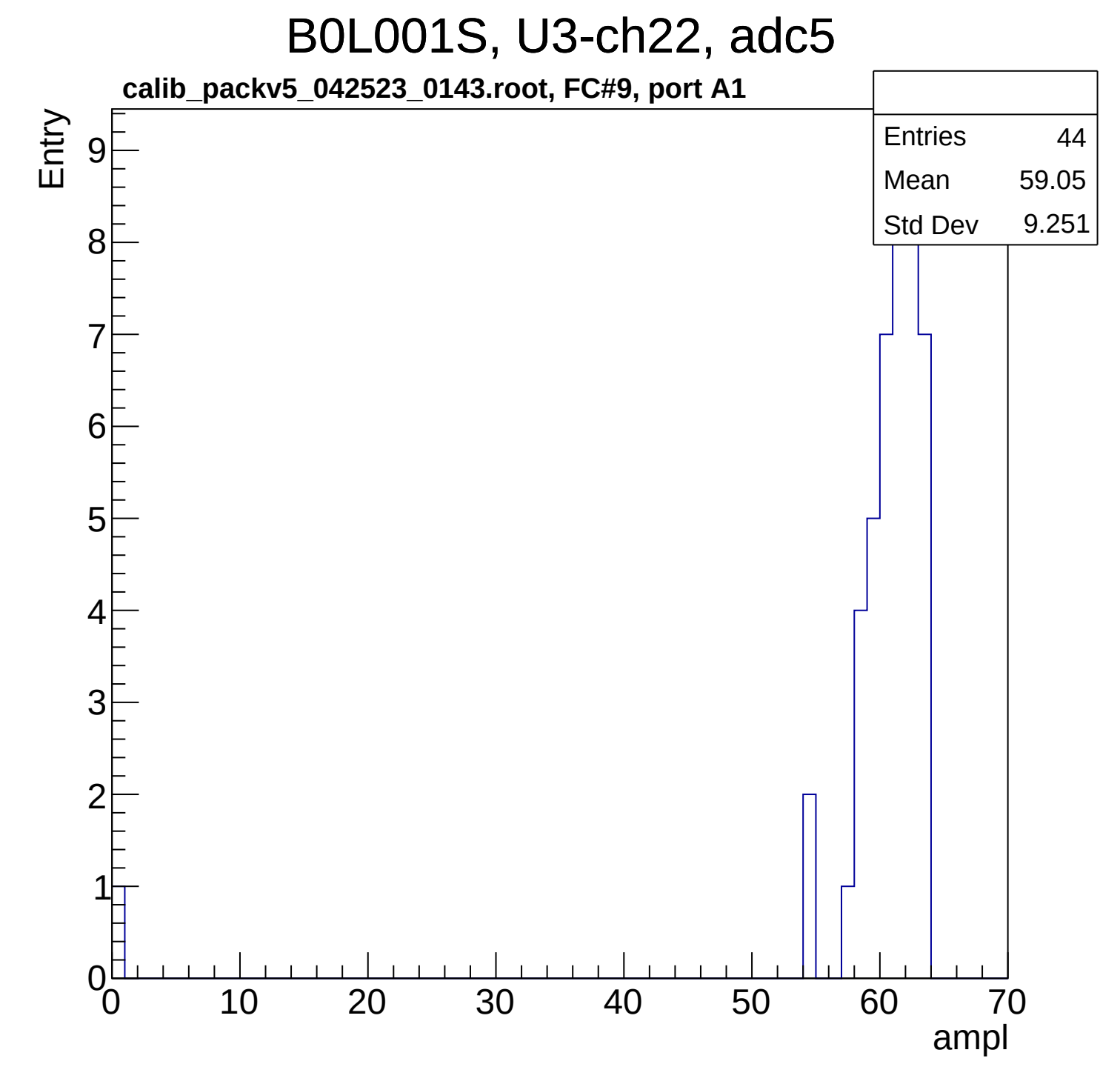
B0L001S, U3-ch22, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 59.05
Std Dev 9.251
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
50
60
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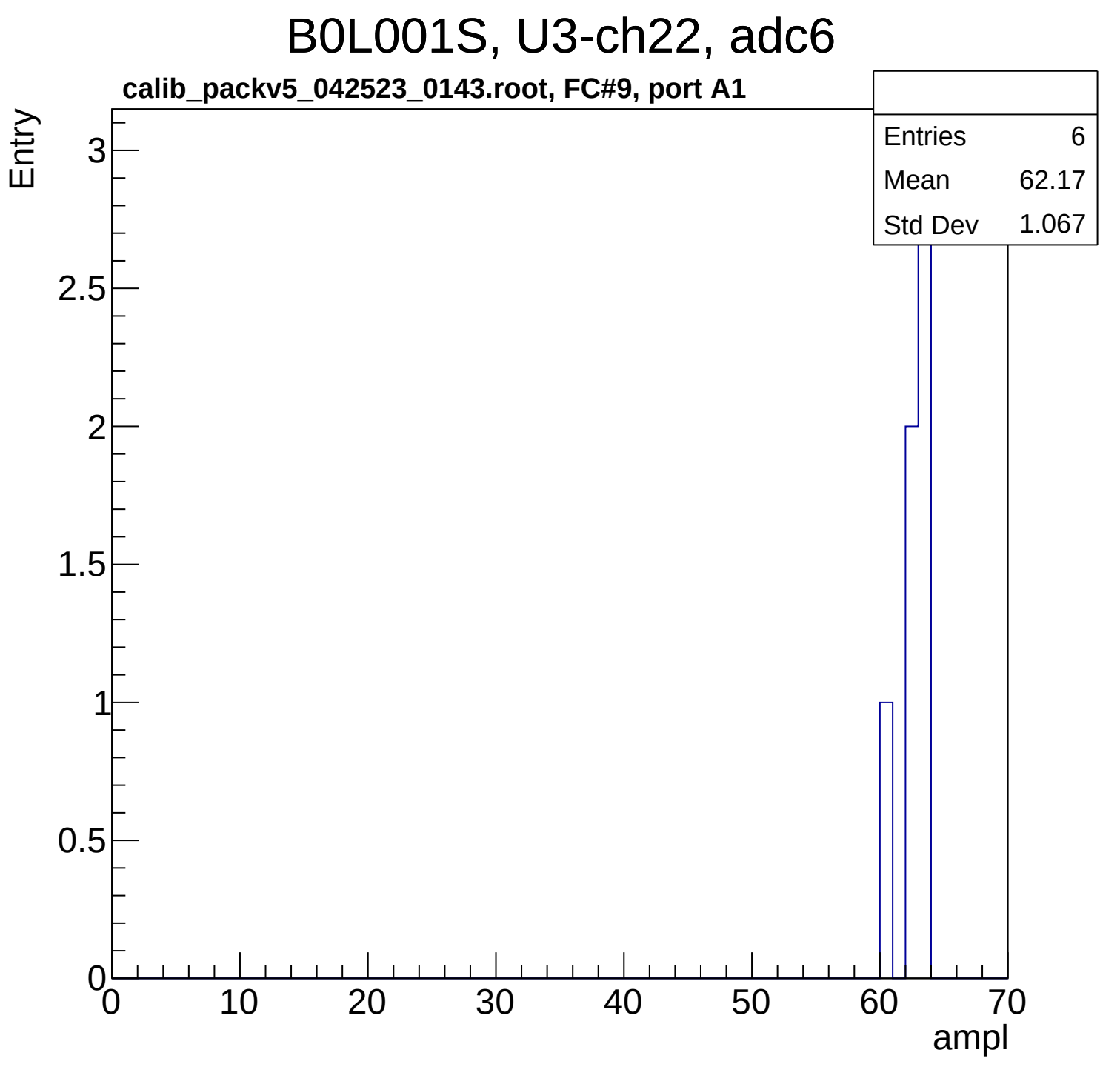
B0L001S, U3-ch22, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 62.17
Std Dev 1.067
Entry
ampl
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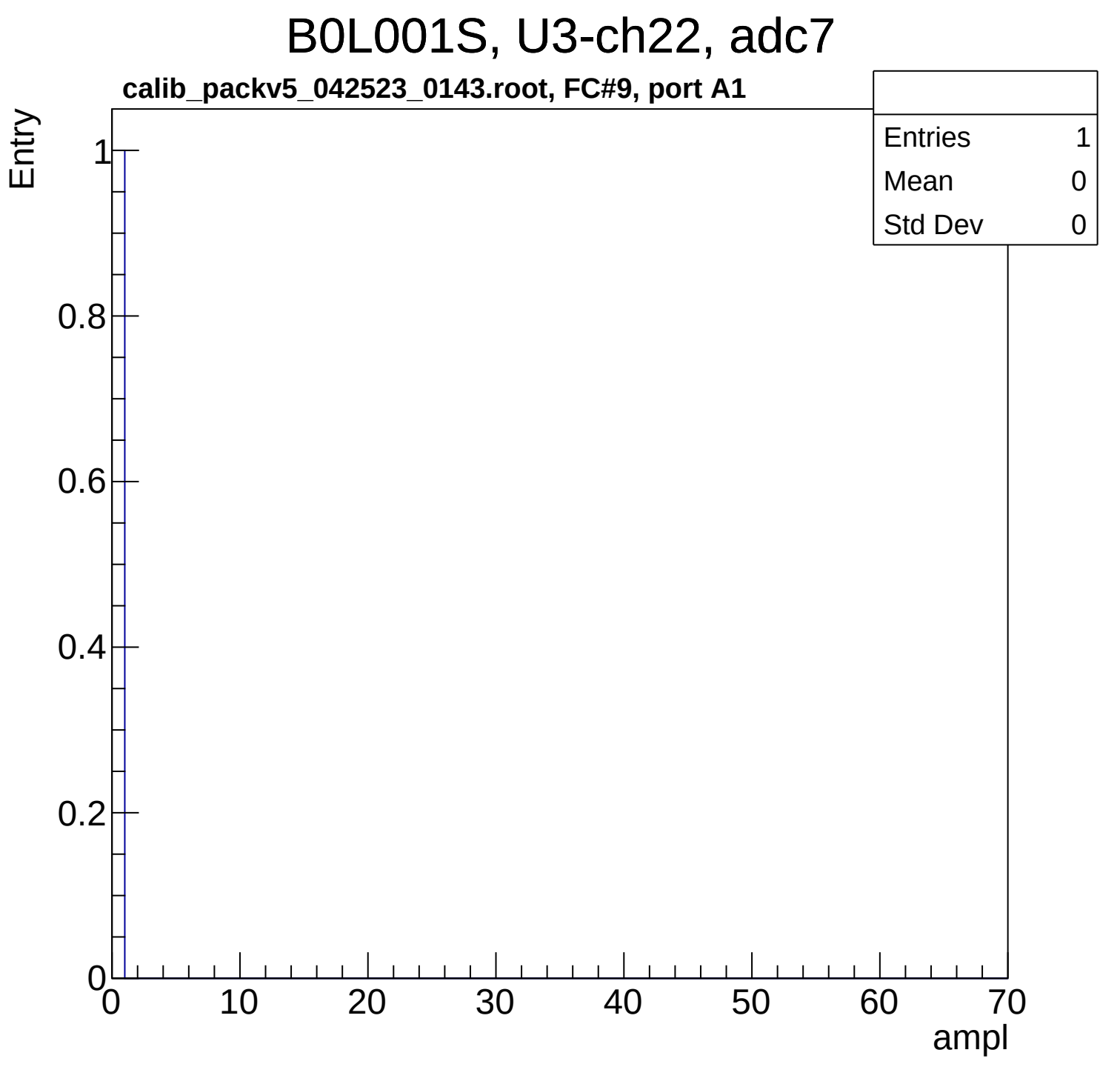
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch22, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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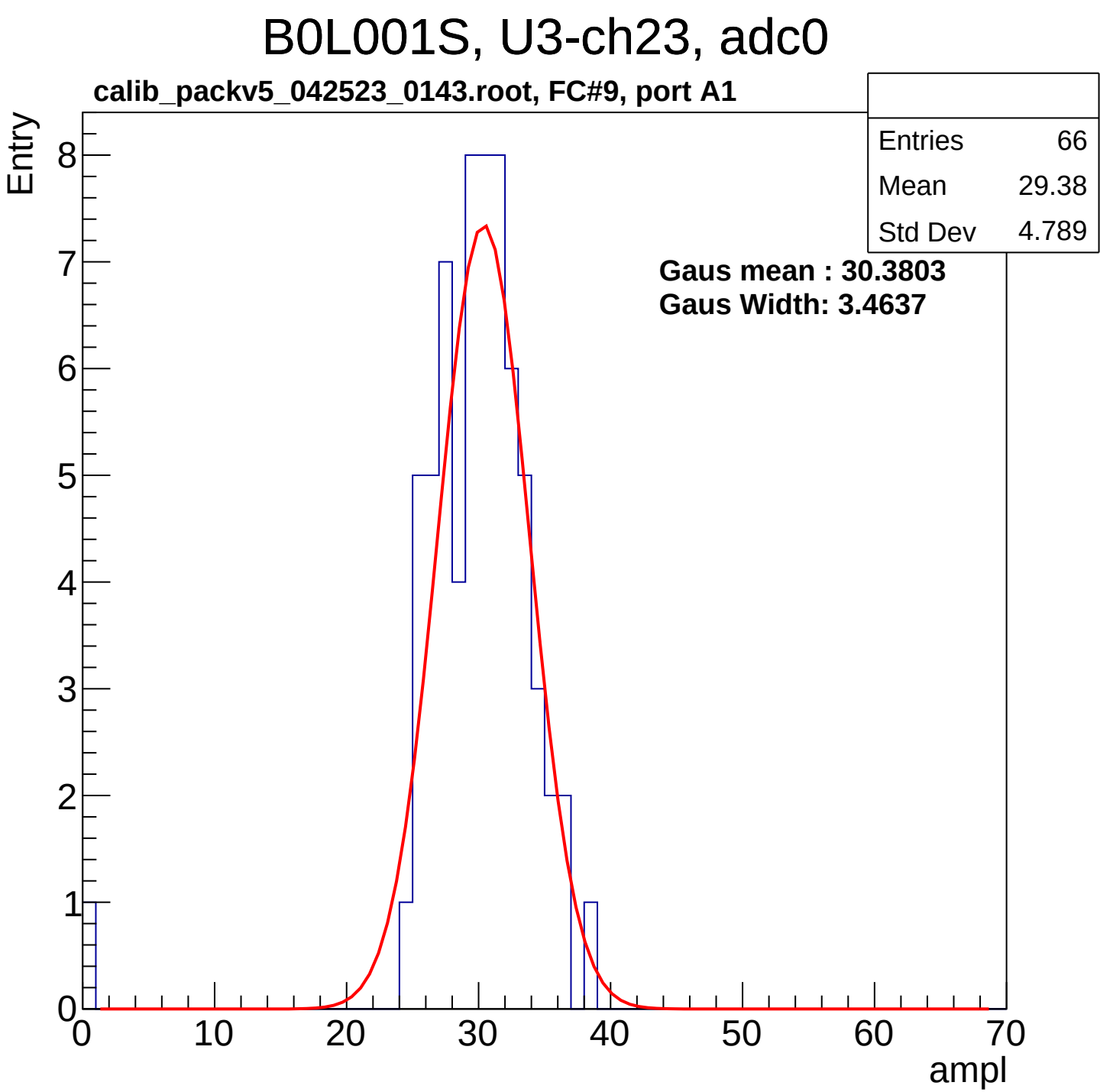
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch23, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 29.38
Std Dev 4.789
Gaus mean : 30.3803
Gaus Width: 3.4637
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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60
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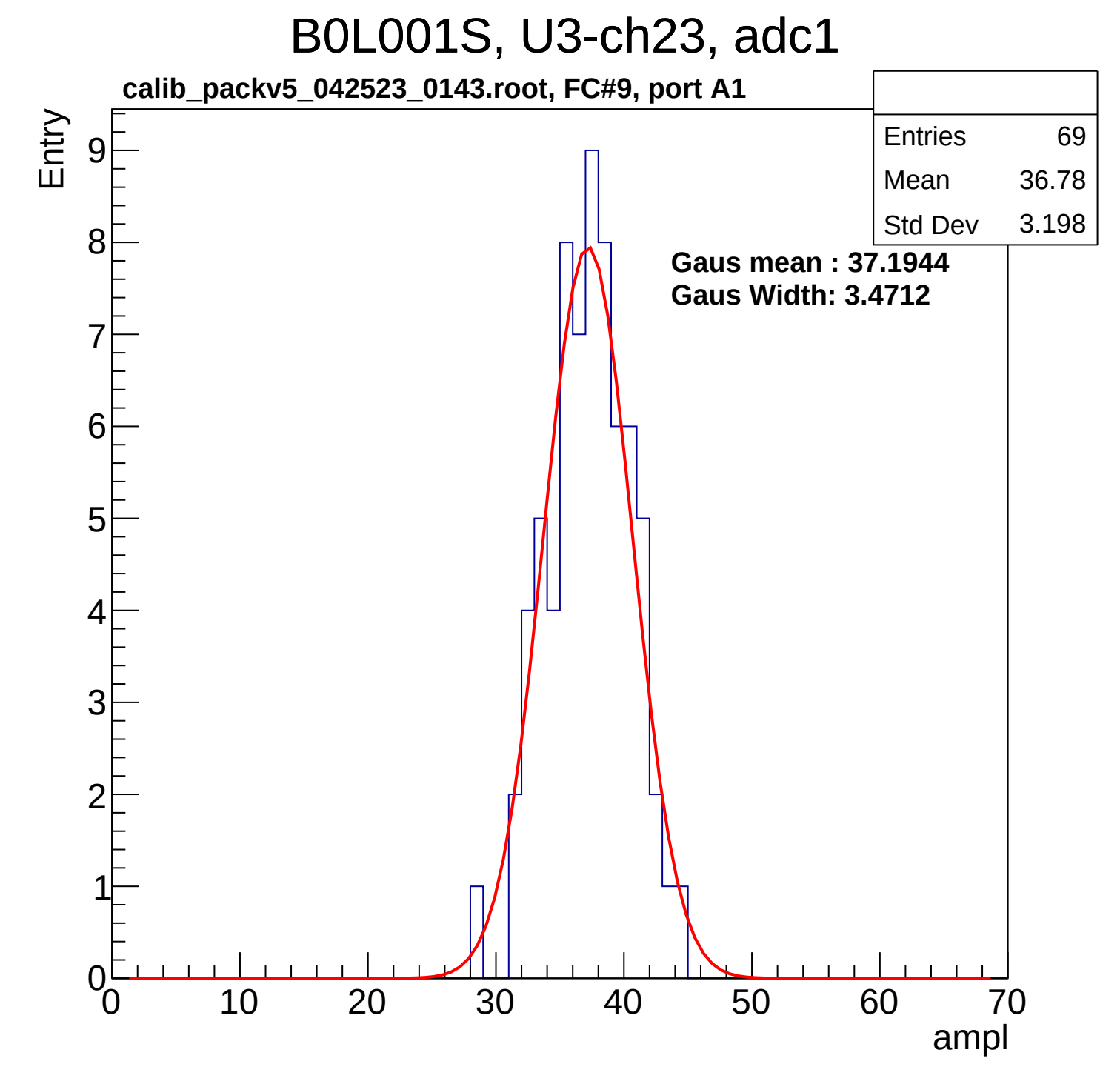
B0L001S, U3-ch23, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 36.78
Std Dev 3.198
Gaus mean : 37.1944
Gaus Width: 3.4712
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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60
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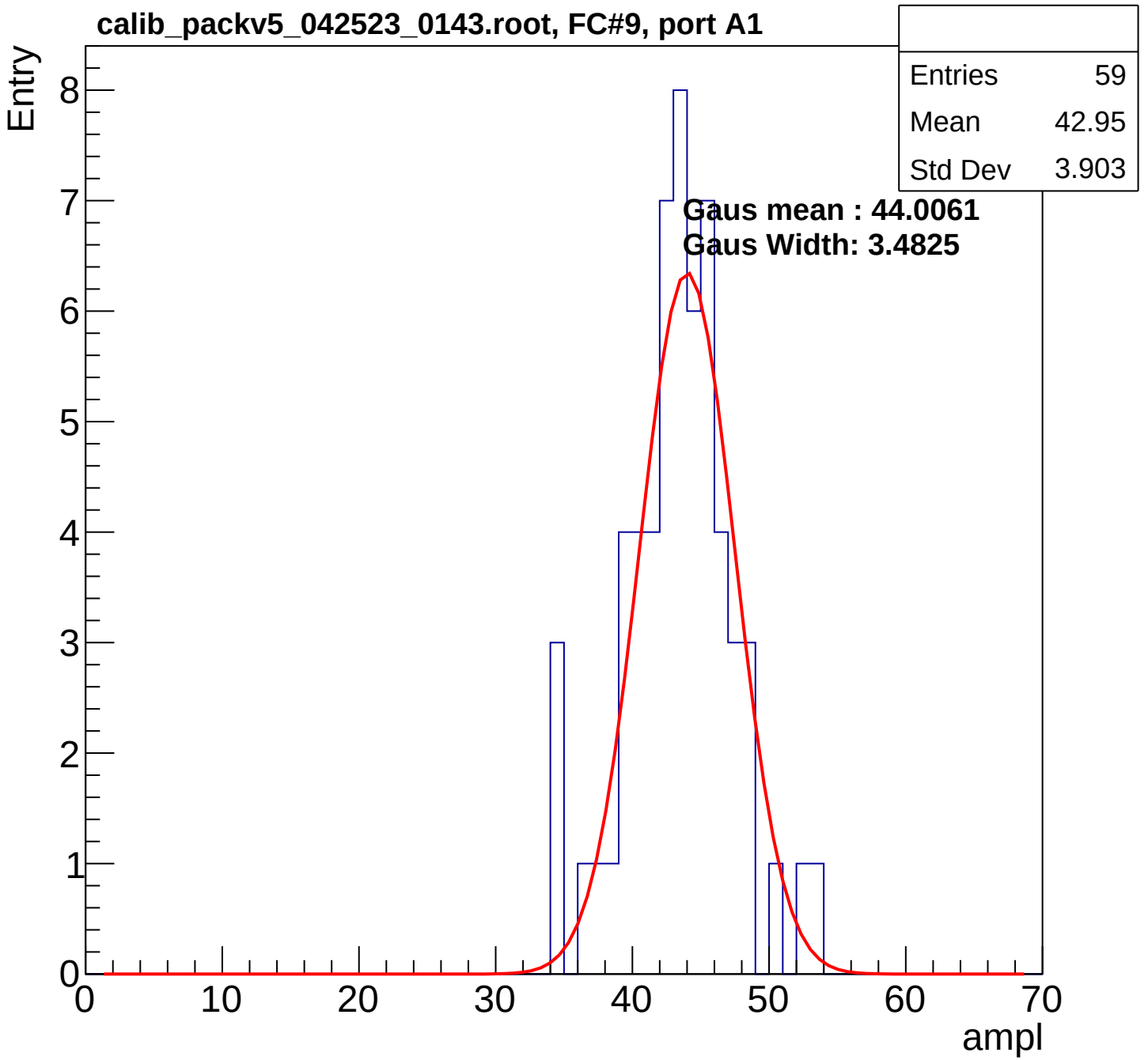
B0L001S, U3-ch23, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 42.95
Std Dev 3.903
Gaus mean : 44.0061
Gaus Width: 3.4825
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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40
50
60
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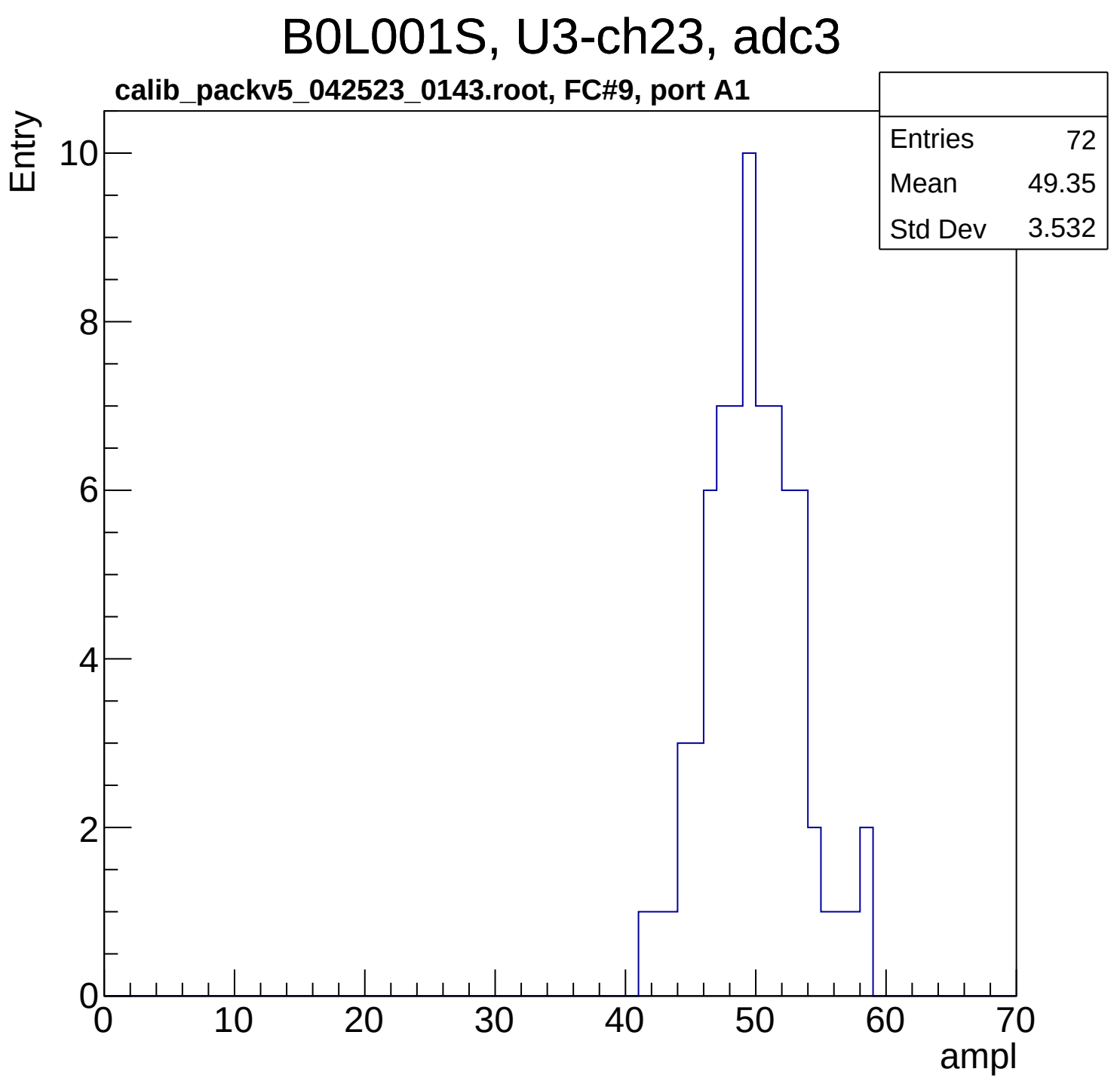
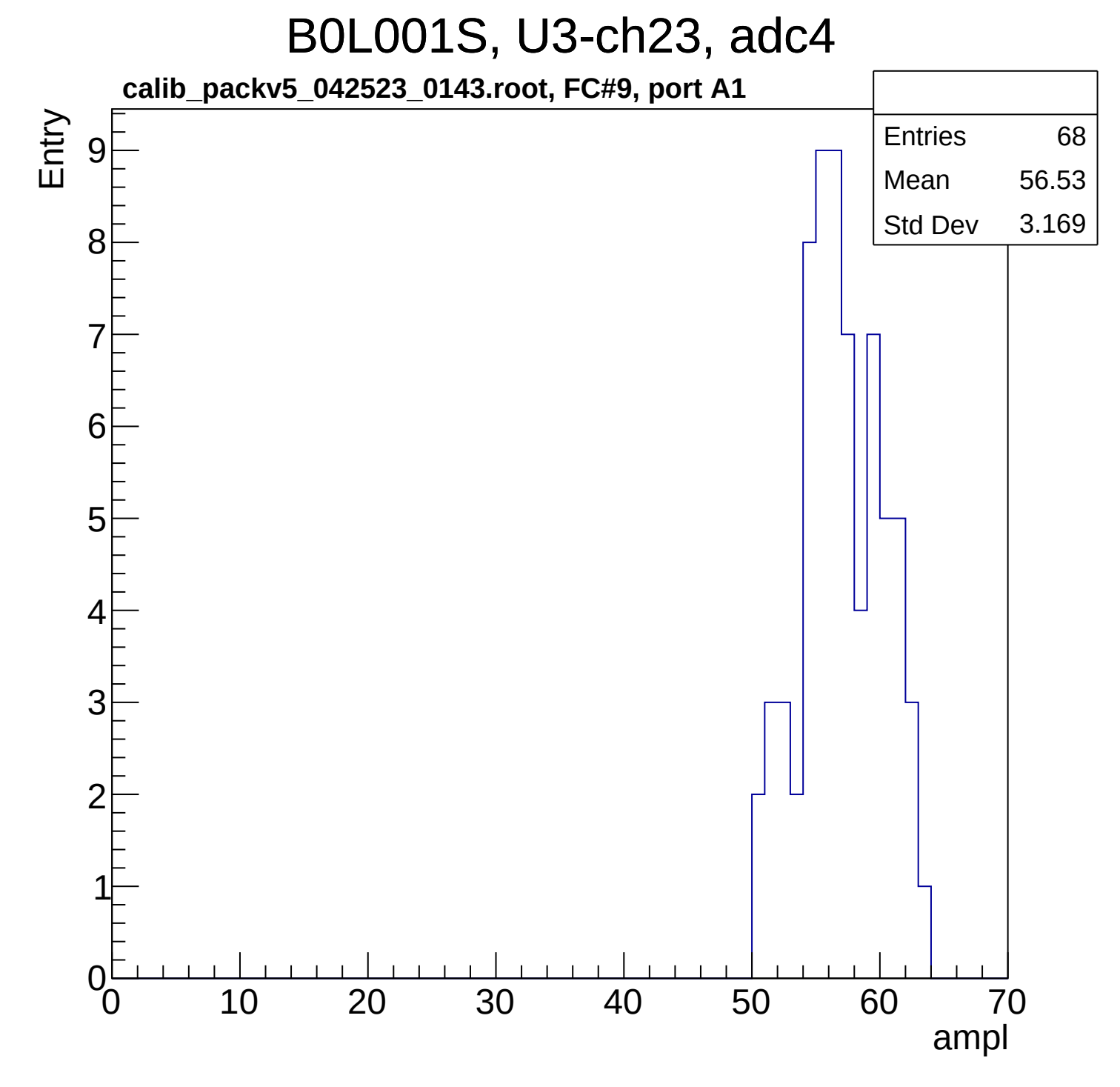

B0L001S, U3-ch23, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 49.35
Std Dev 3.532
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch23, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 56.53
Std Dev 3.169
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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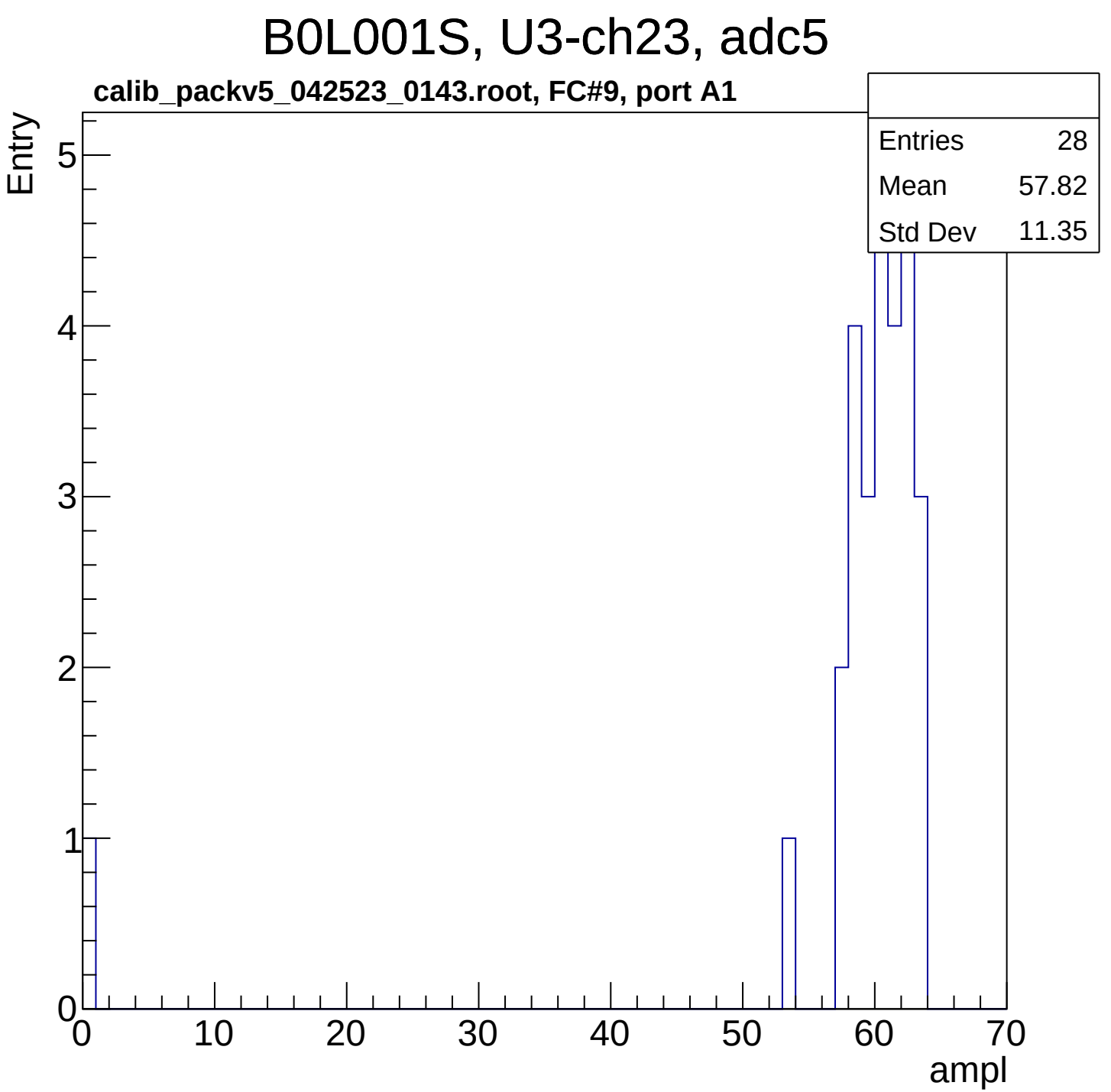
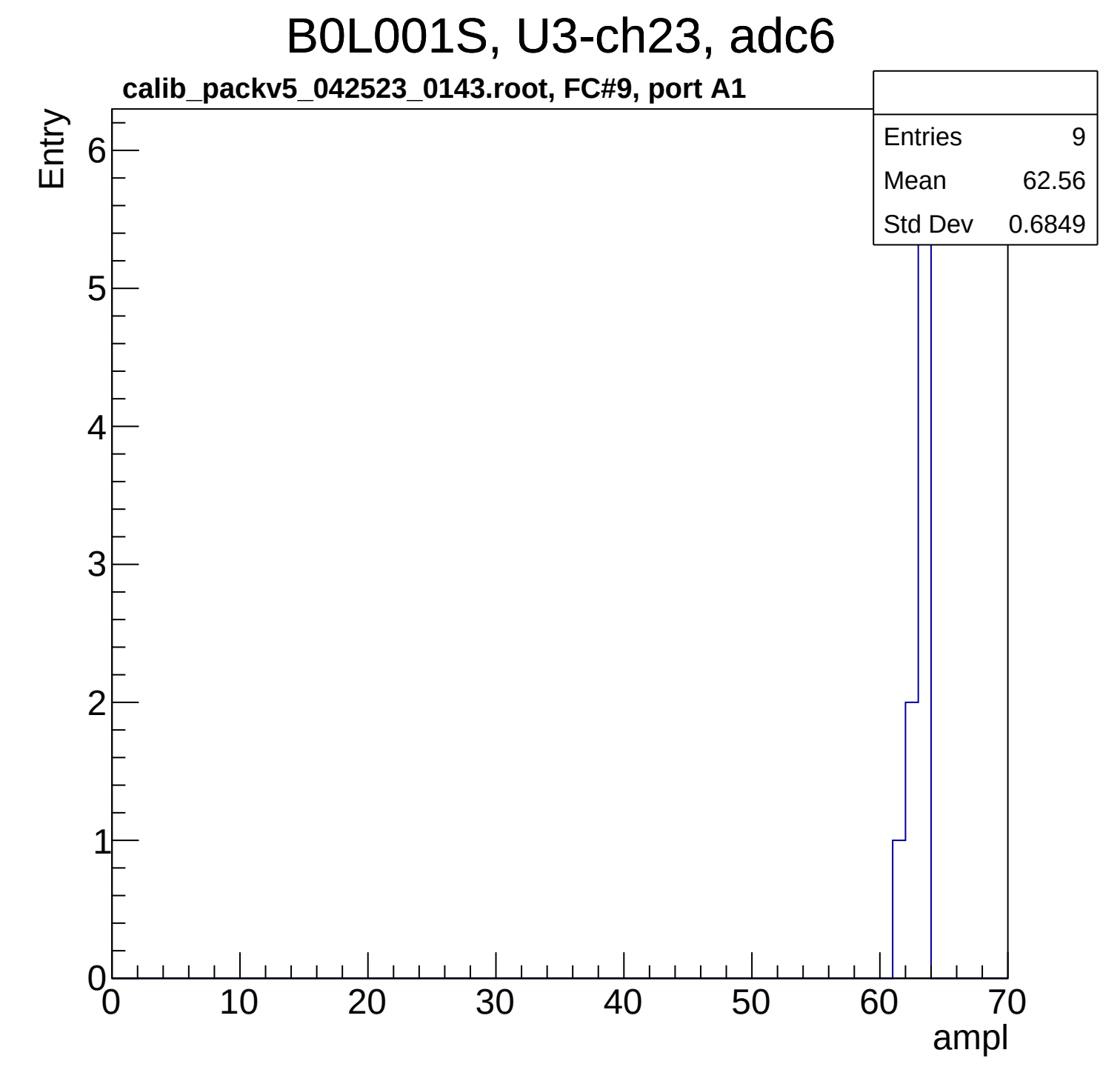

B0L001S, U3-ch23, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 28
Mean 57.82
Std Dev 11.35
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch23, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 62.56
Std Dev 0.6849
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
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60
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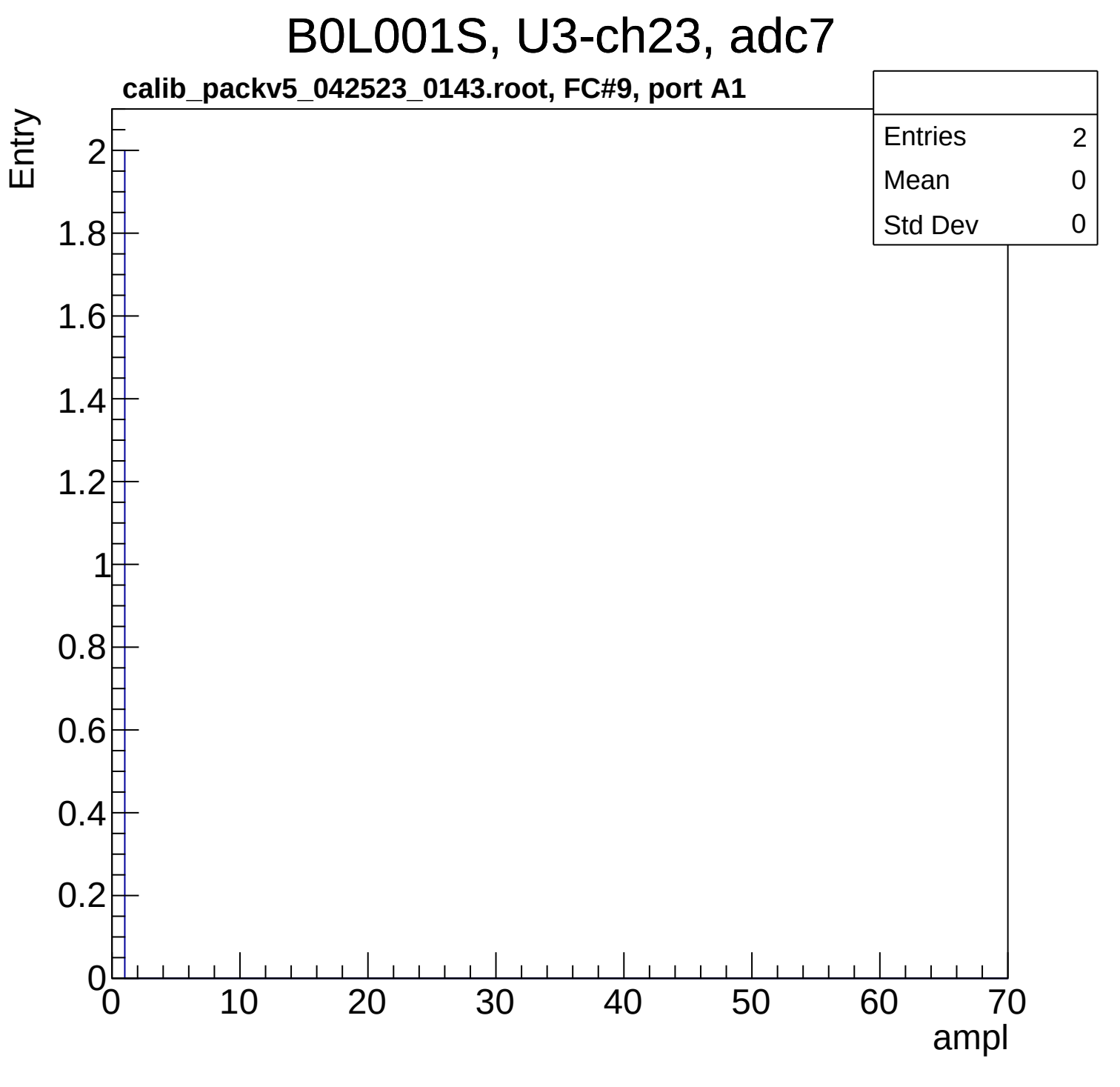
B0L001S, U3-ch23, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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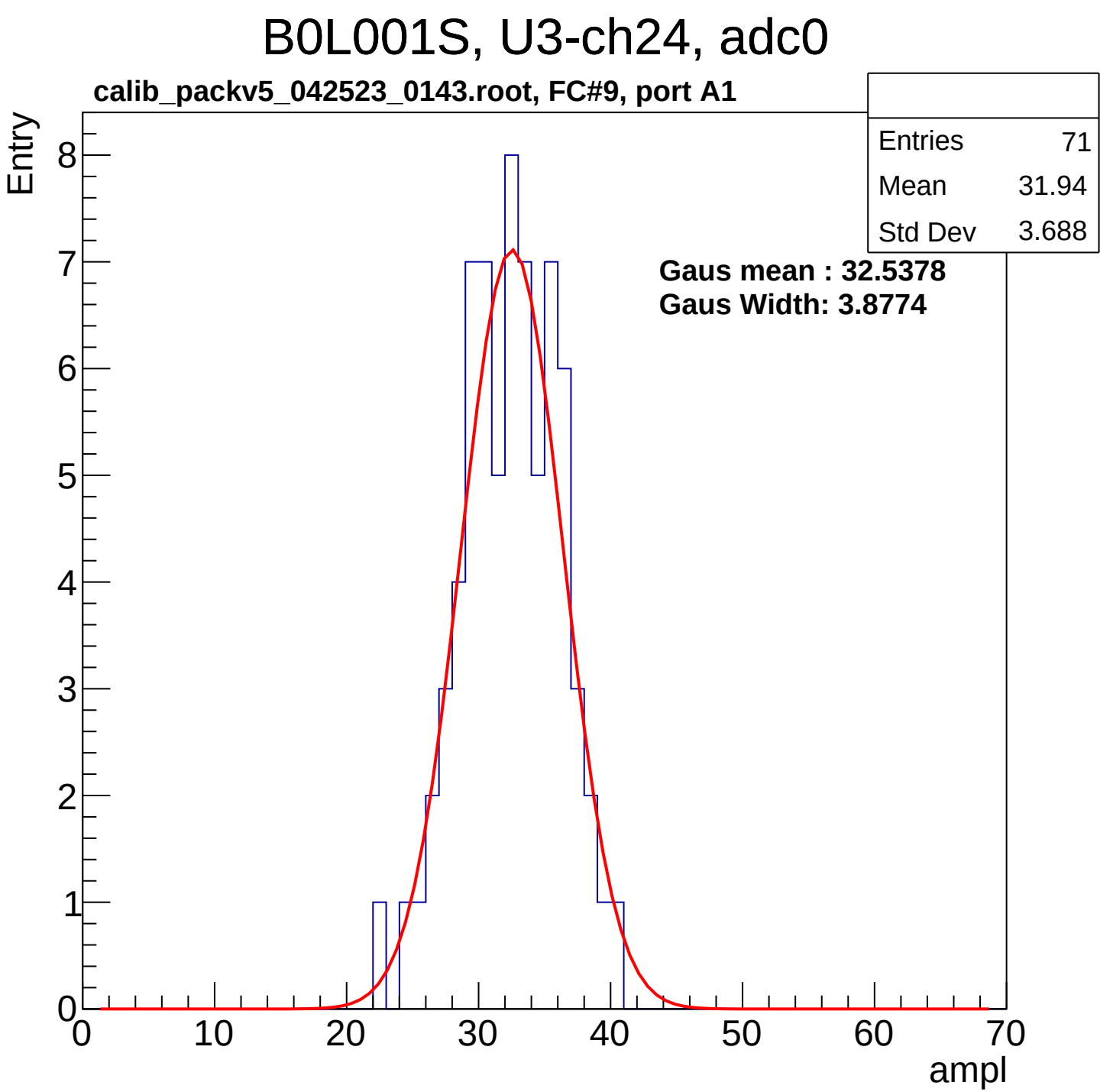
B0L001S, U3-ch24, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 31.94
Std Dev 3.688
Gaus mean : 32.5378
Gaus Width: 3.8774
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
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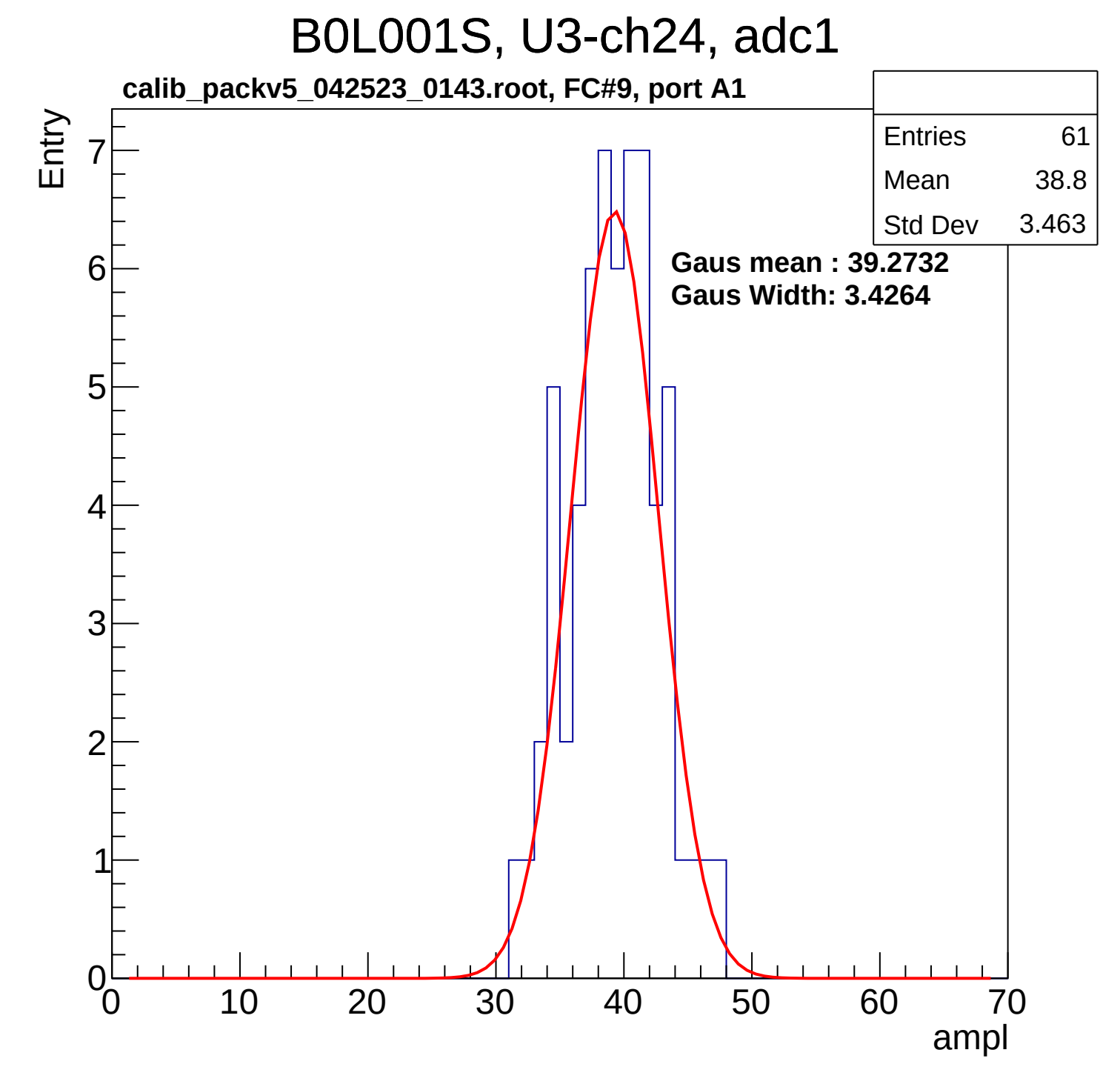
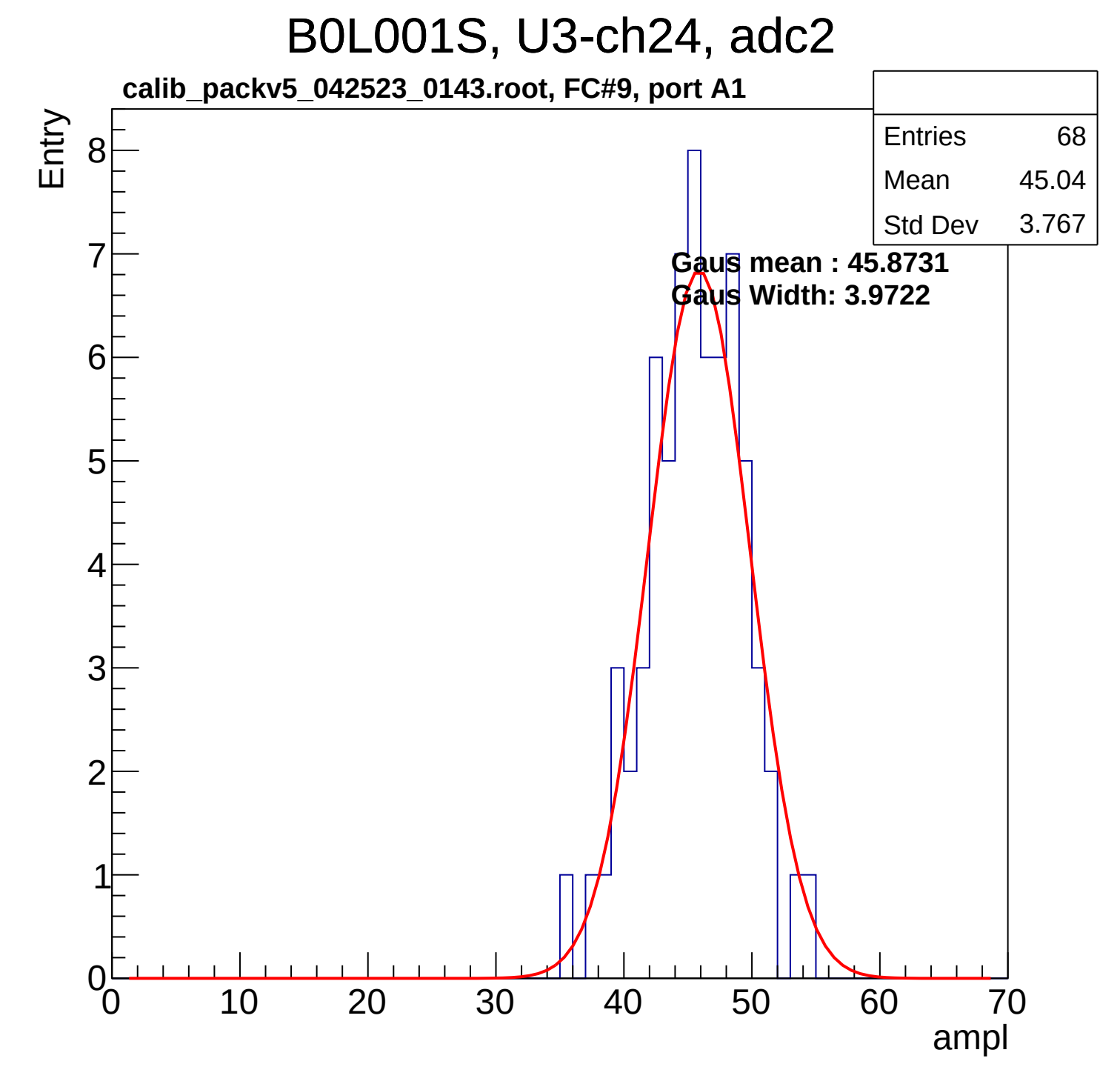
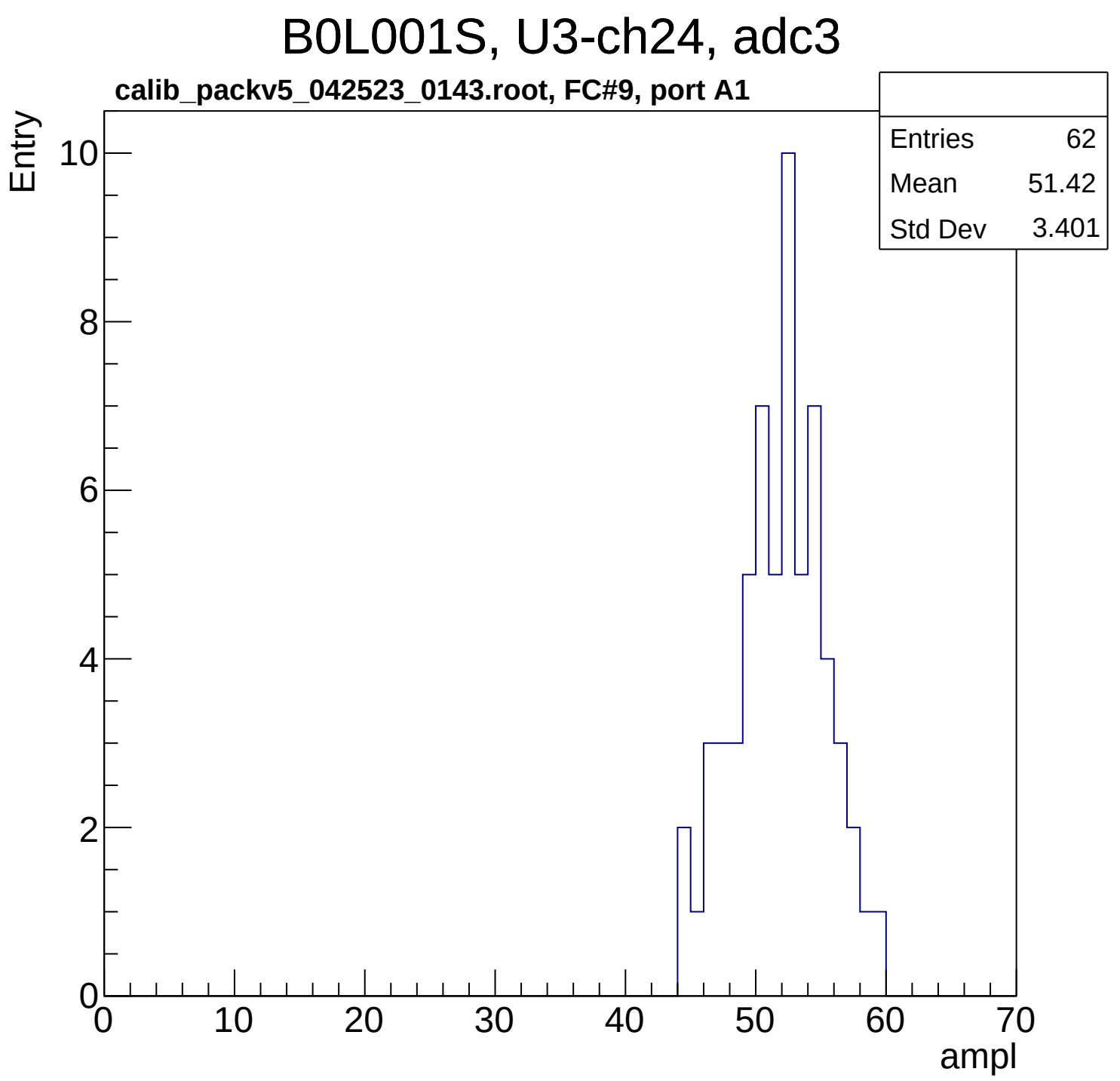
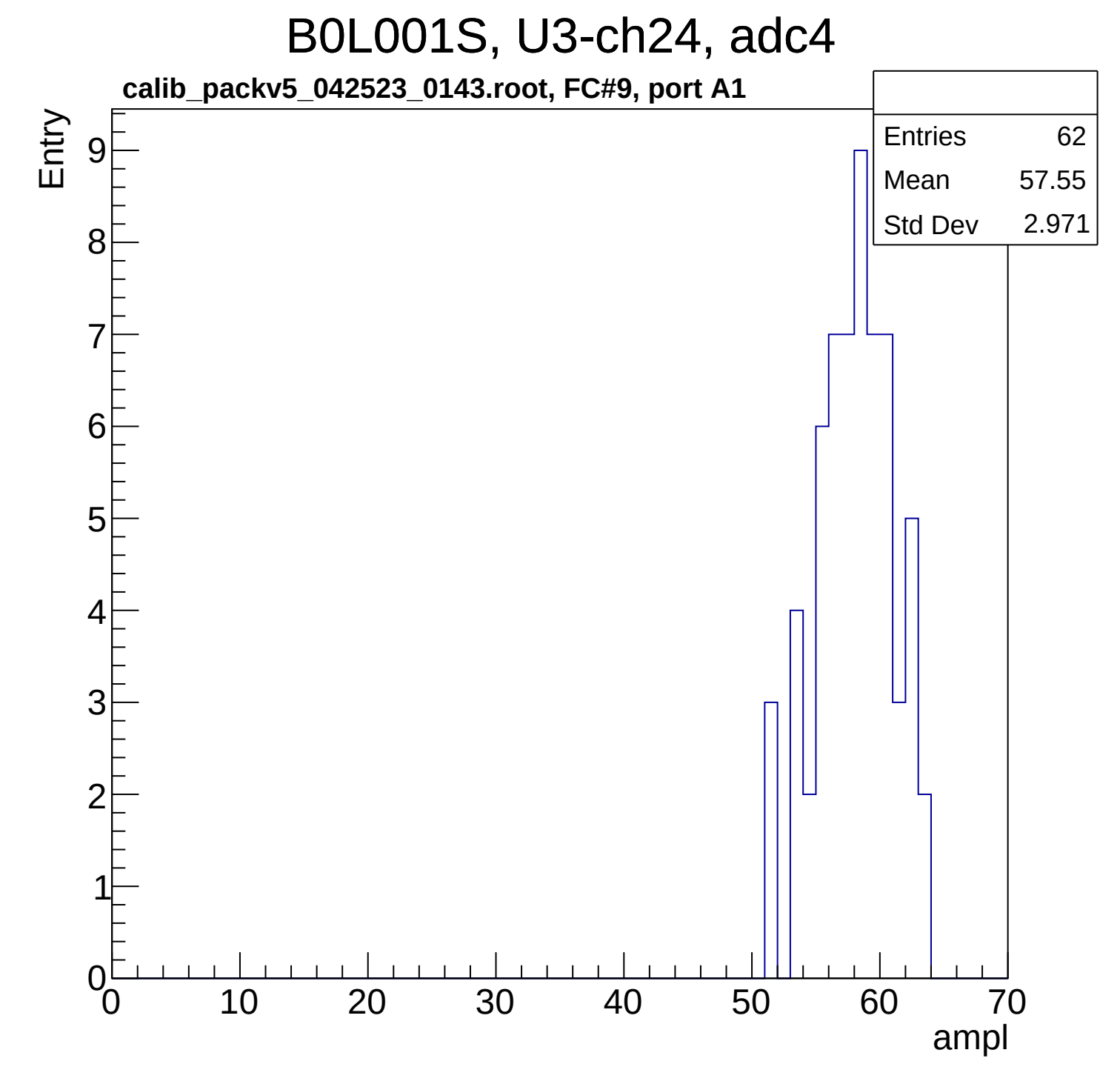
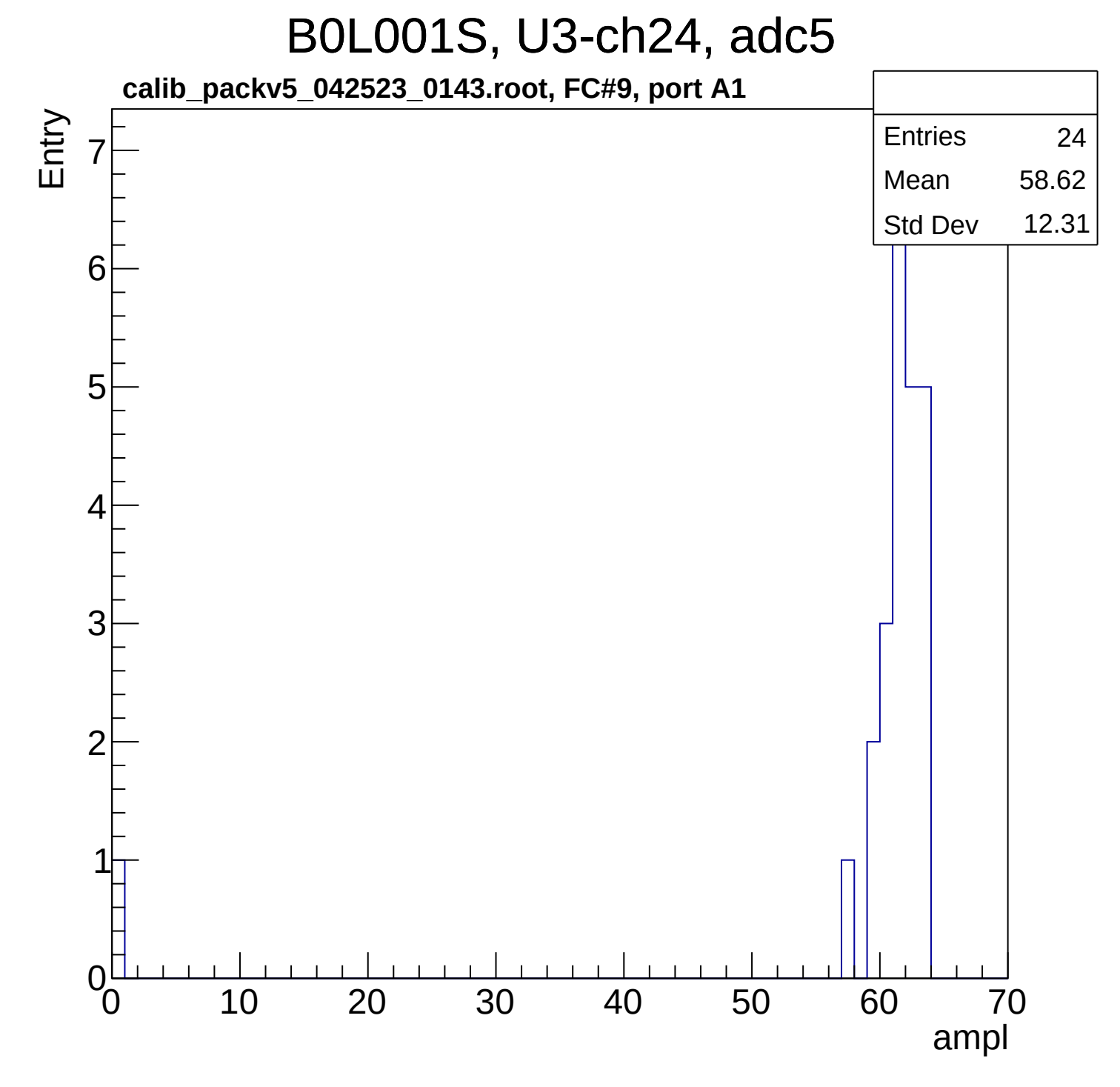
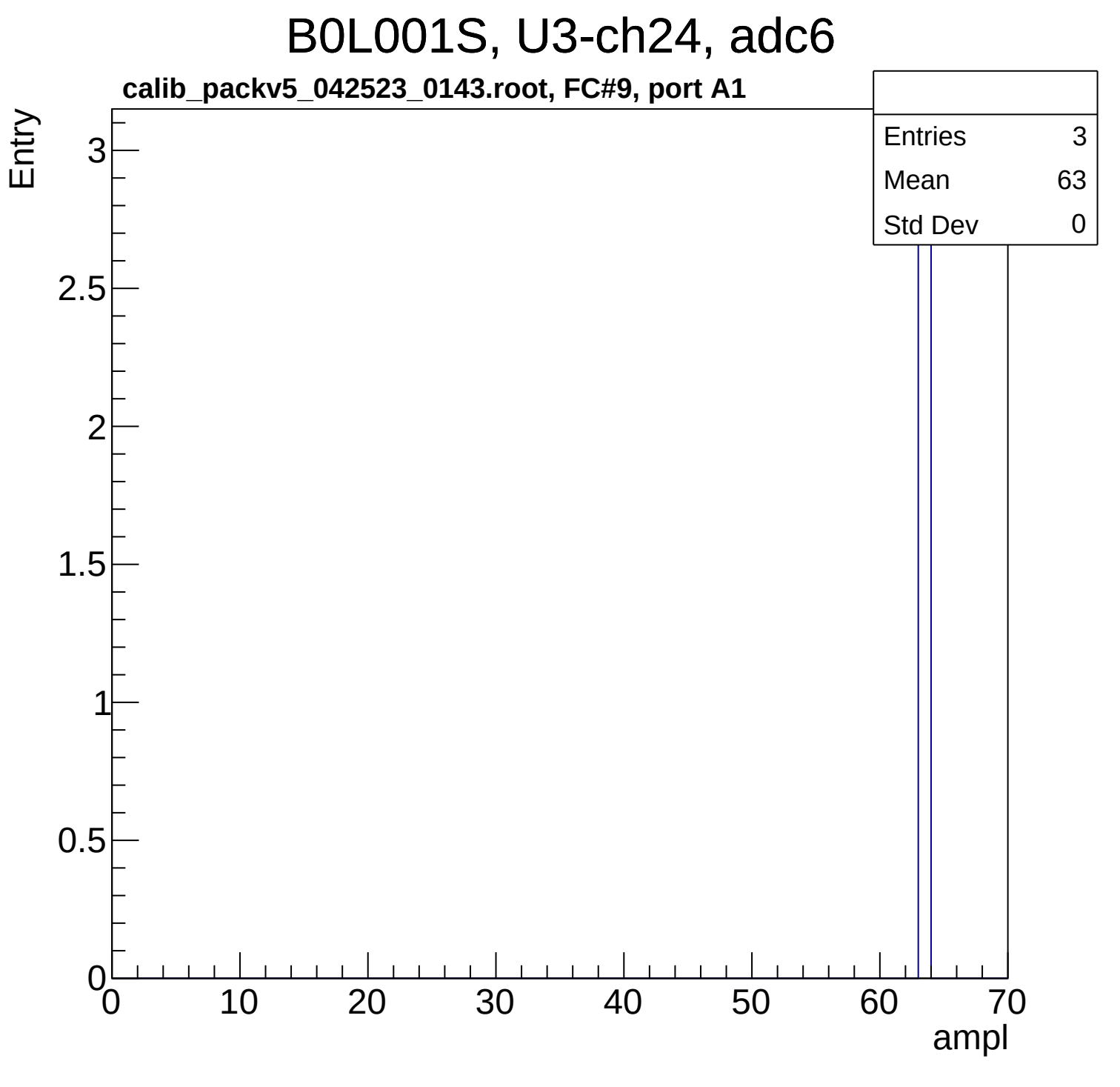

B0L001S, U3-ch24, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 38.8
Std Dev 3.463
Gaus mean : 39.2732
Gaus Width: 3.4264
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

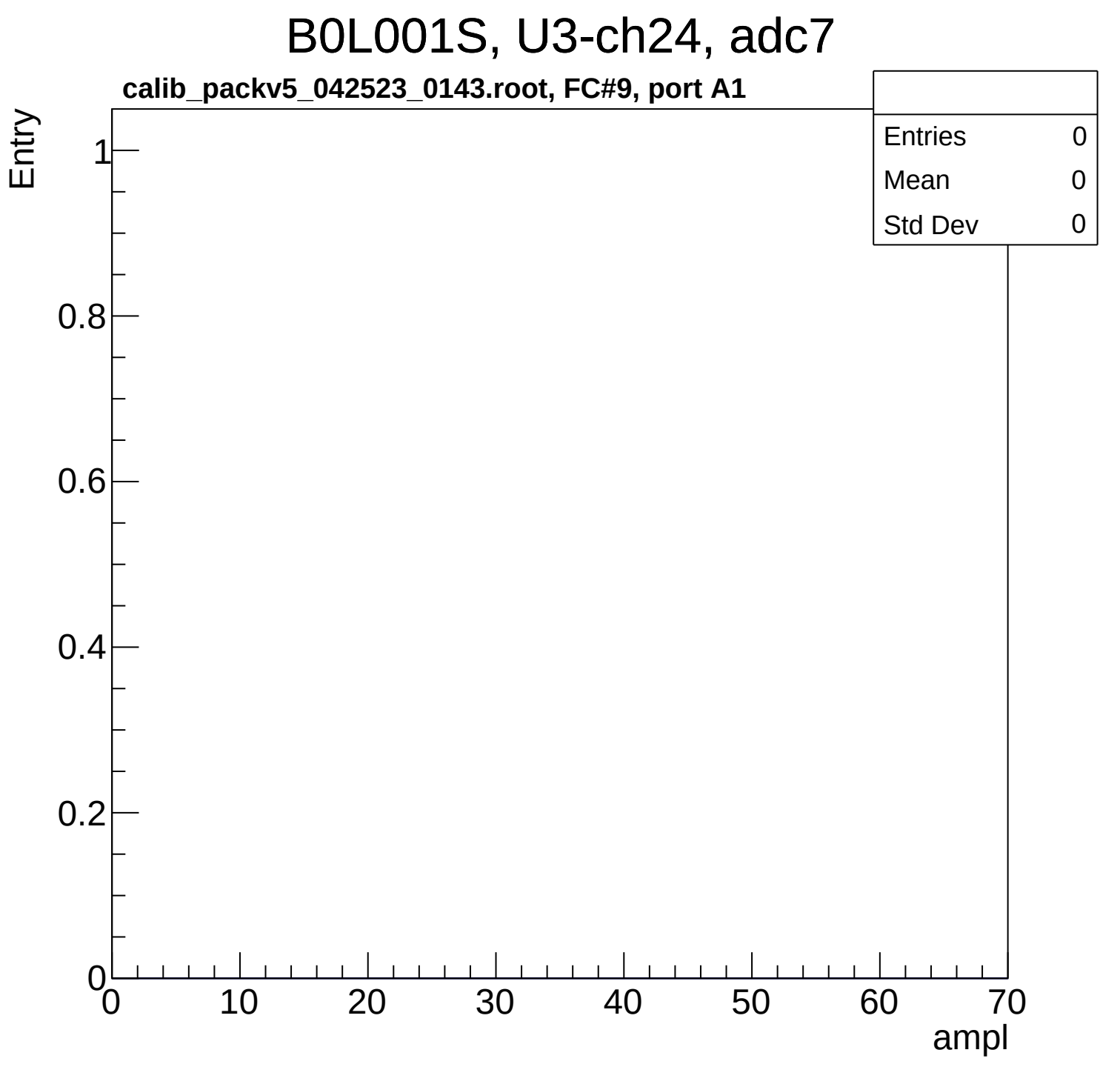

B0L001S, U3-ch24, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 45.04
Std Dev 3.767
Gaus mean : 45.8731
Gaus Width: 3.9722
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

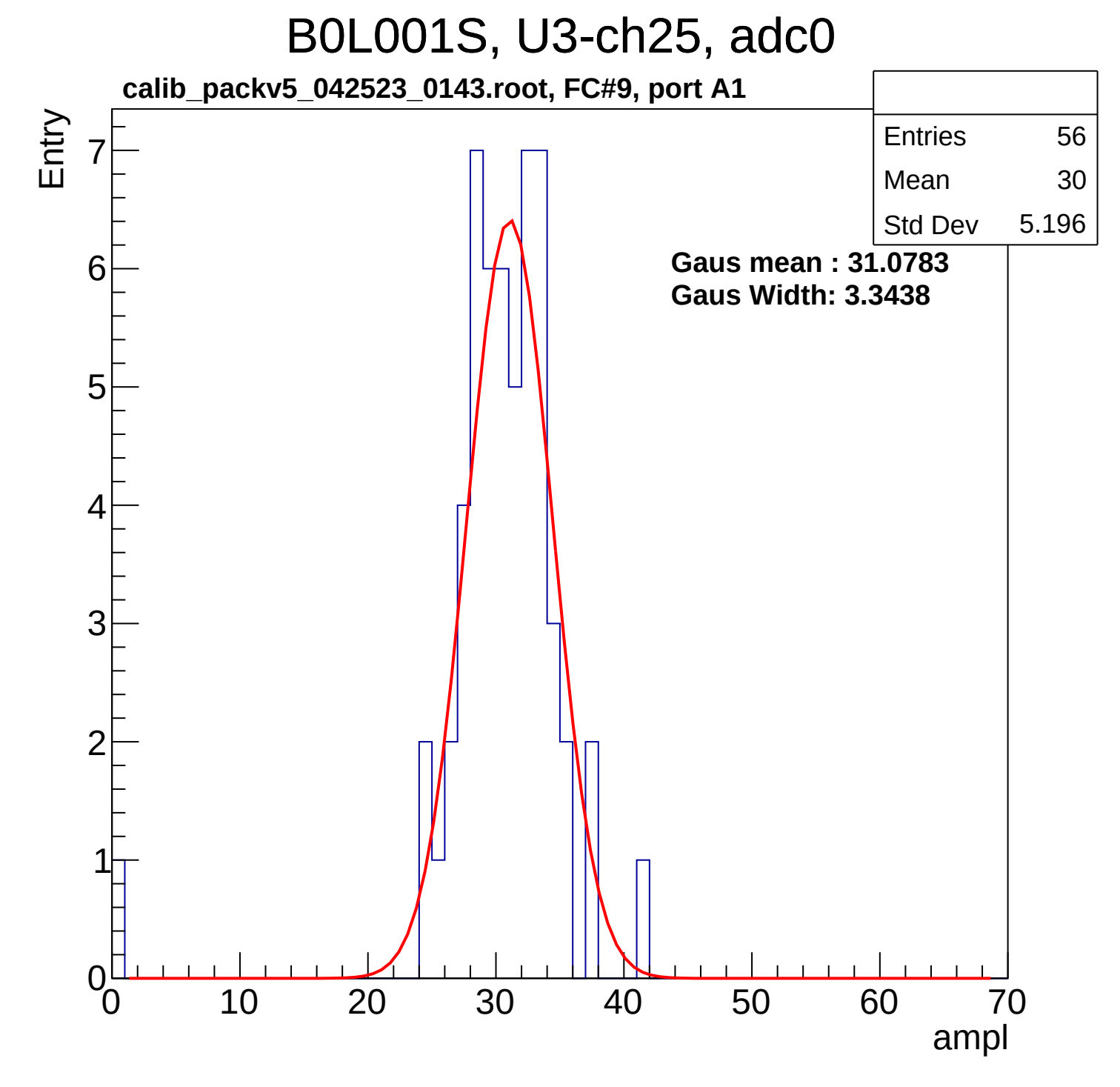

B0L001S, U3-ch24, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 51.42
Std Dev 3.401
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

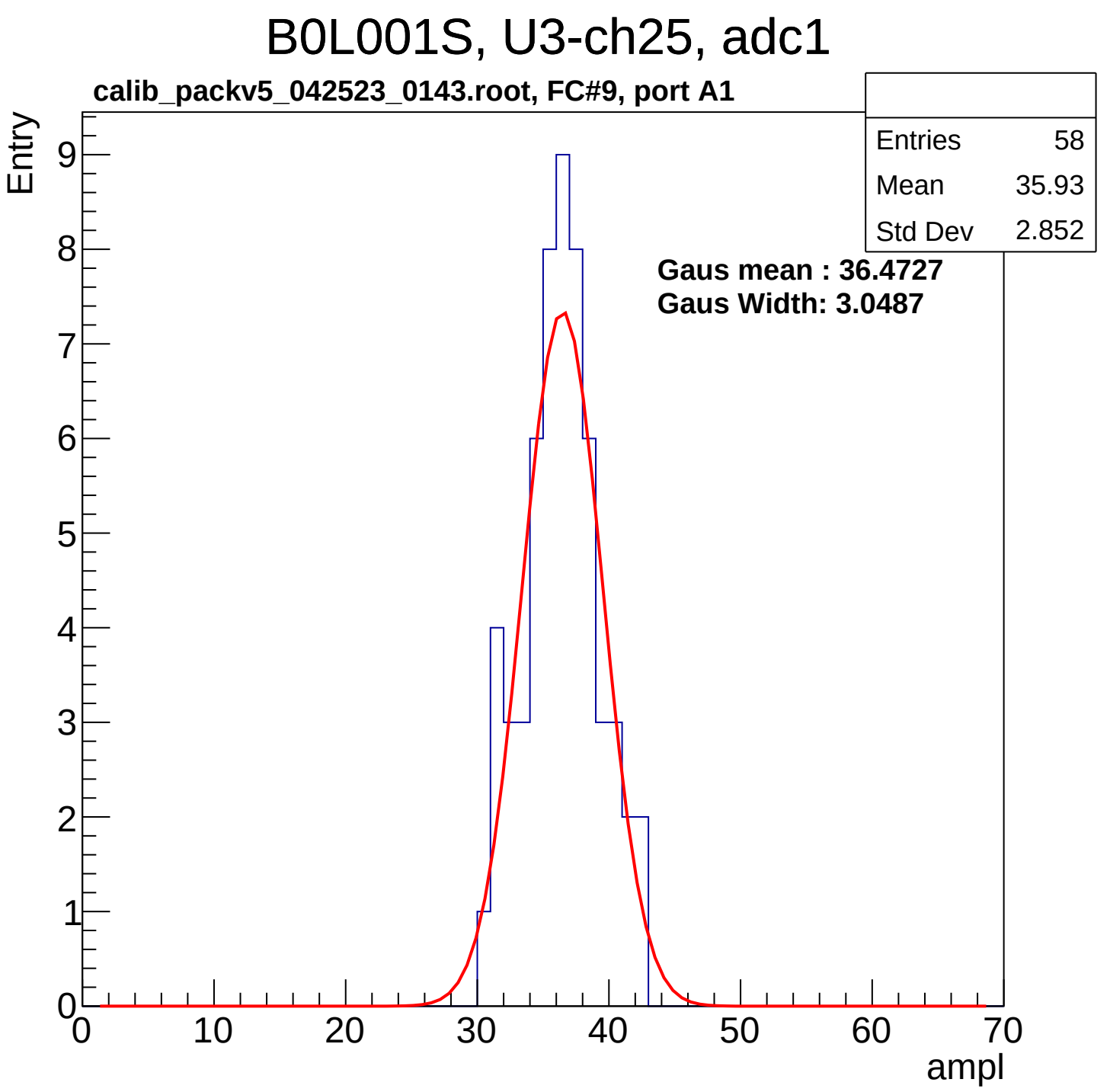

B0L001S, U3-ch24, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 57.55
Std Dev 2.971
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch24, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 24
Mean 58.62
Std Dev 12.31
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch24, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 63
Std Dev 0
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch24, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch25, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 30
Std Dev 5.196
Gaus mean : 31.0783
Gaus Width: 3.3438
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch25, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 35.93
Std Dev 2.852
Gaus mean : 36.4727
Gaus Width: 3.0487
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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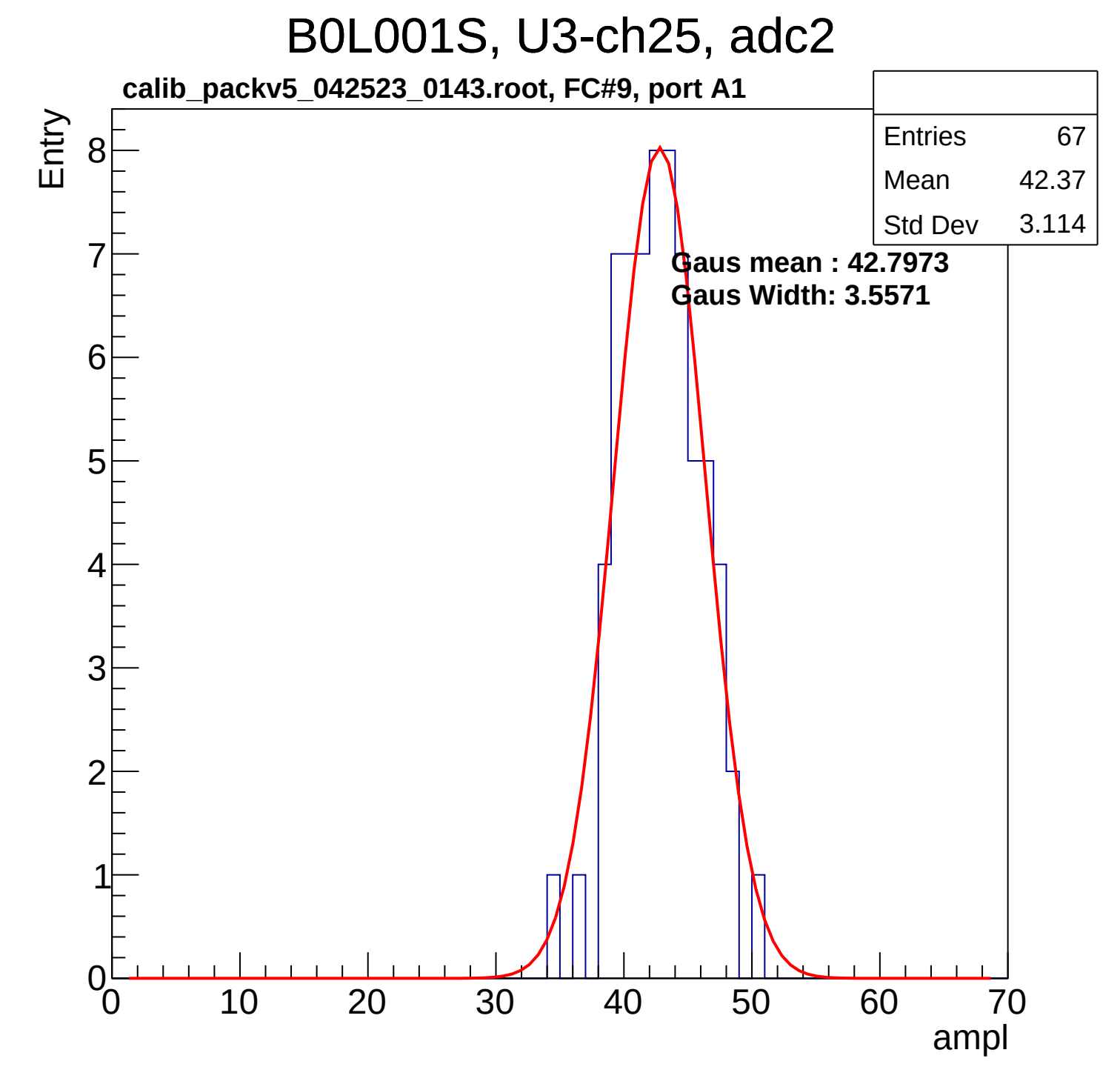
B0L001S, U3-ch25, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 42.37
Std Dev 3.114
Gaus mean : 42.7973
Gaus Width: 3.5571
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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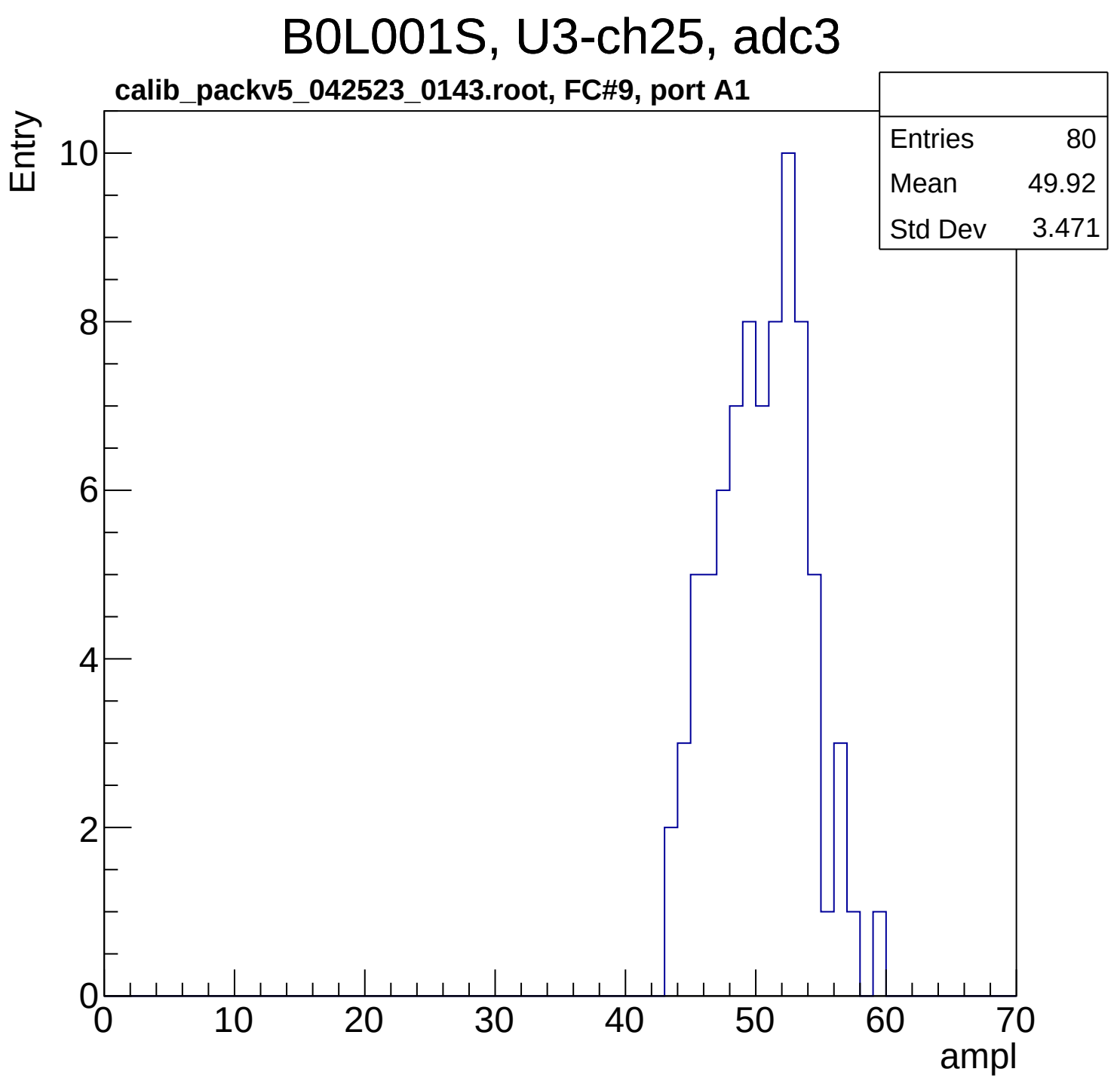
B0L001S, U3-ch25, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 49.92
Std Dev 3.471
Entry
ampl
0
2
4
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8
10
0
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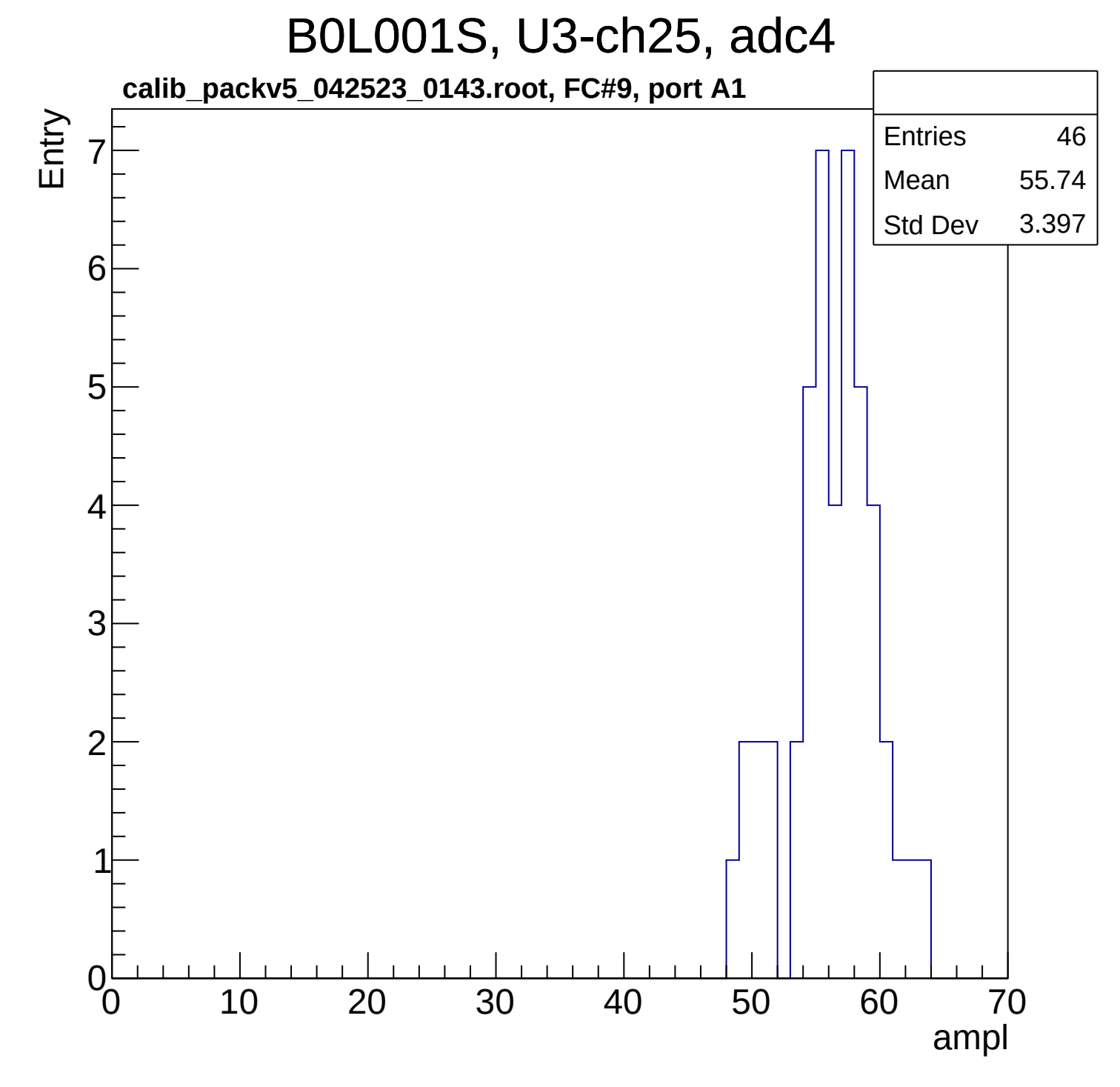
60
70


B0L001S, U3-ch25, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 55.74
Std Dev 3.397
Entry
ampl
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1
2
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4
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0
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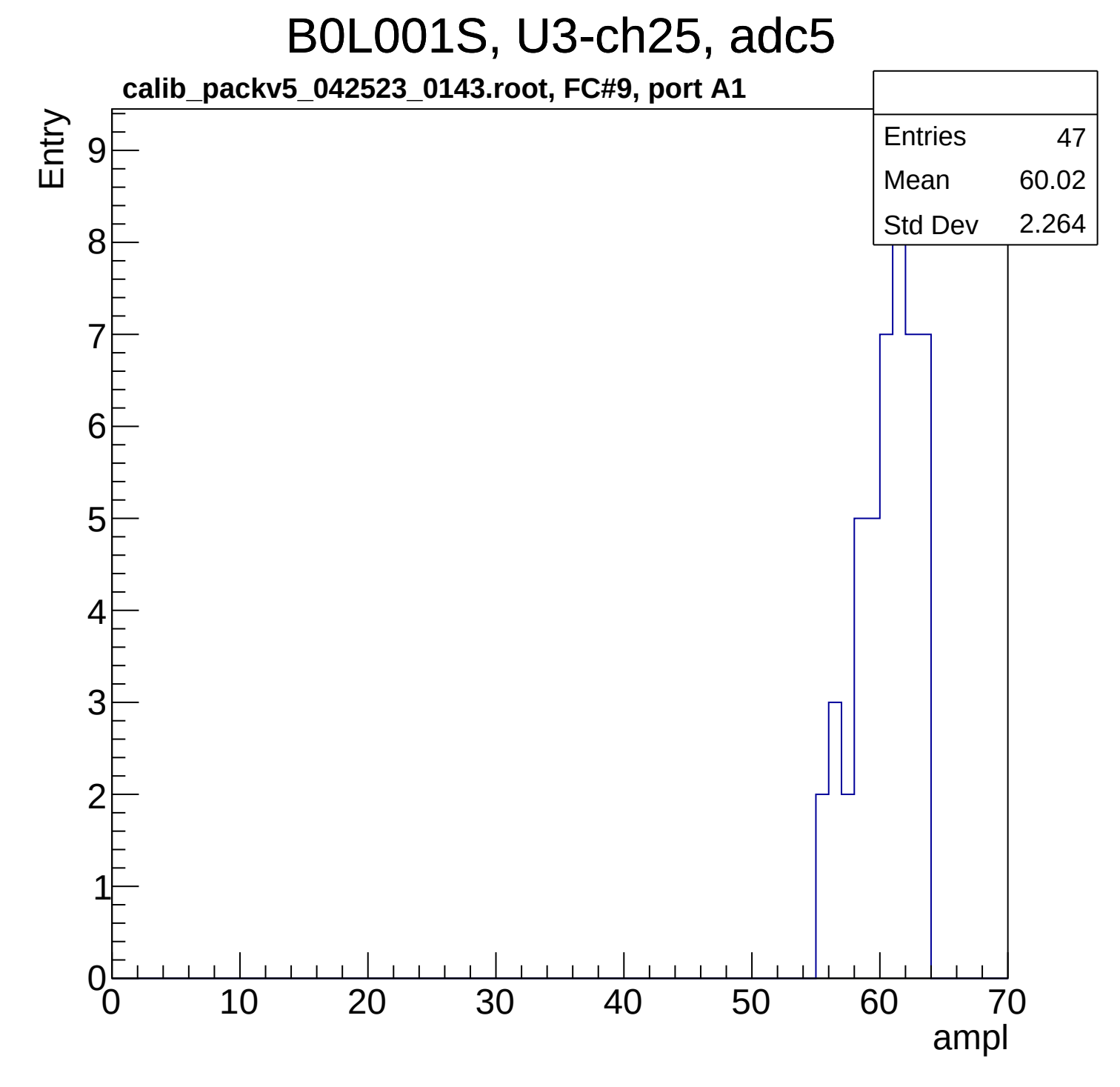
B0L001S, U3-ch25, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 60.02
Std Dev 2.264
Entry
ampl
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2
3
4
5
6
7
8
9
0
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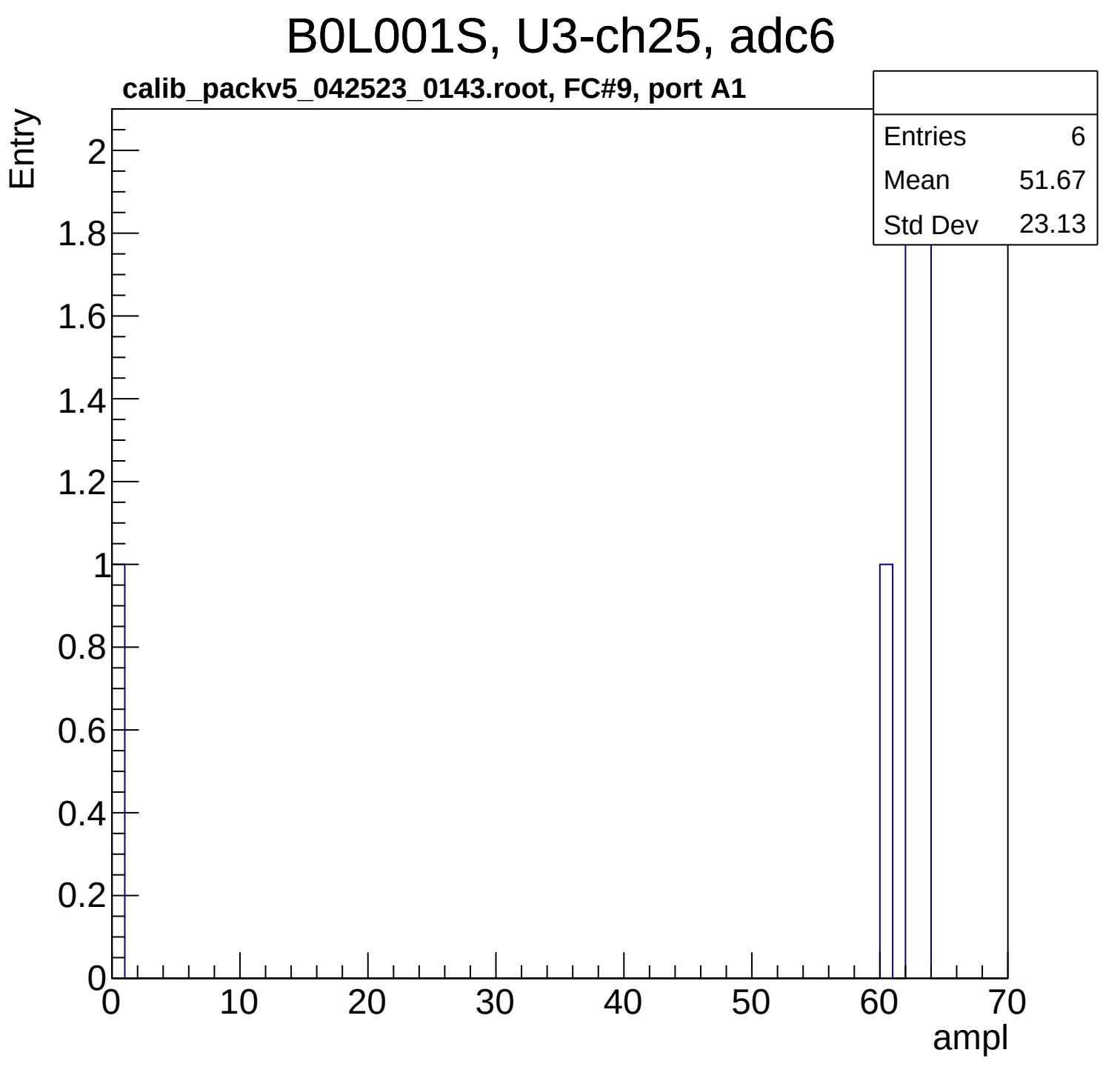
B0L001S, U3-ch25, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 51.67
Std Dev 23.13
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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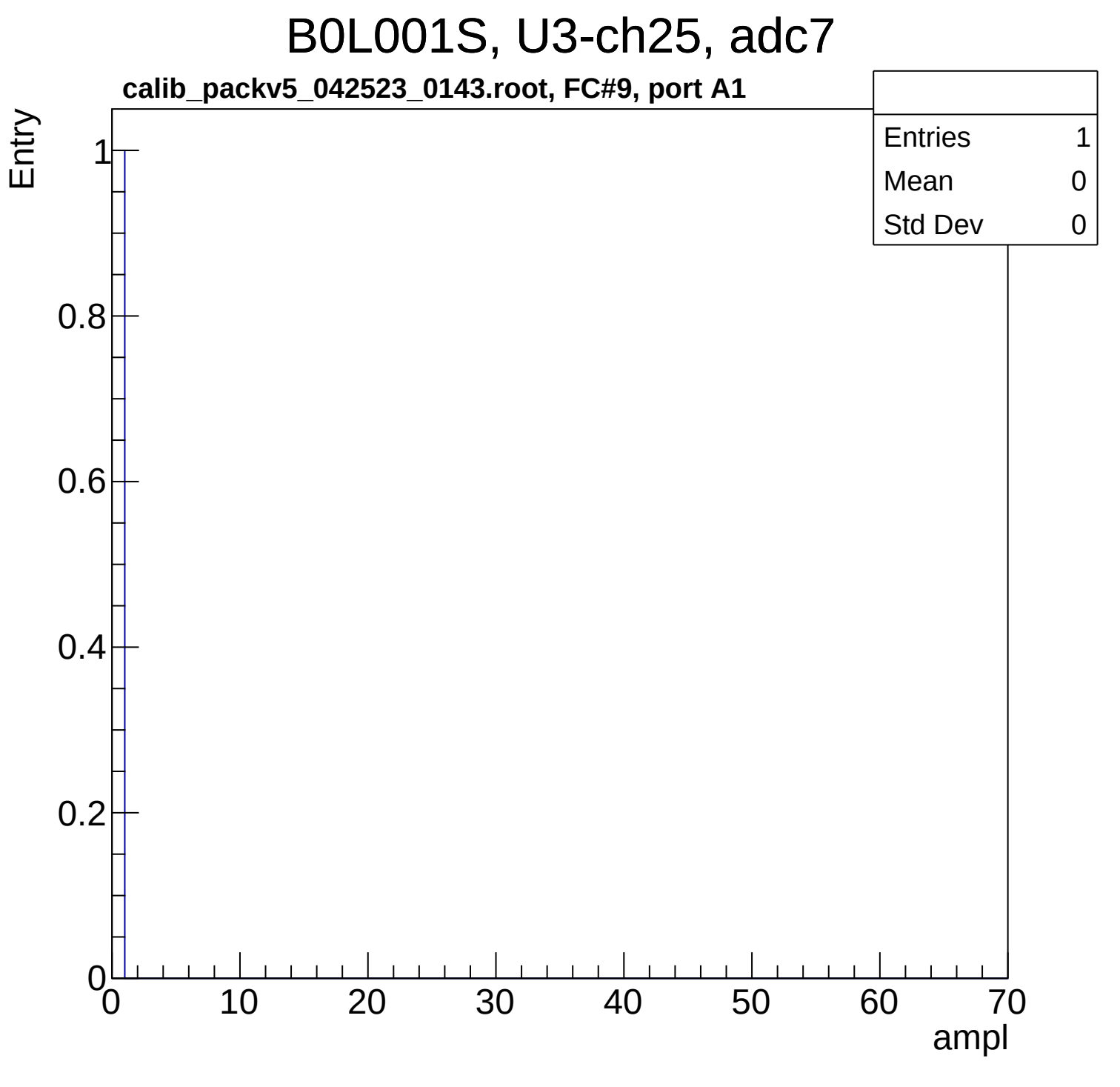
B0L001S, U3-ch25, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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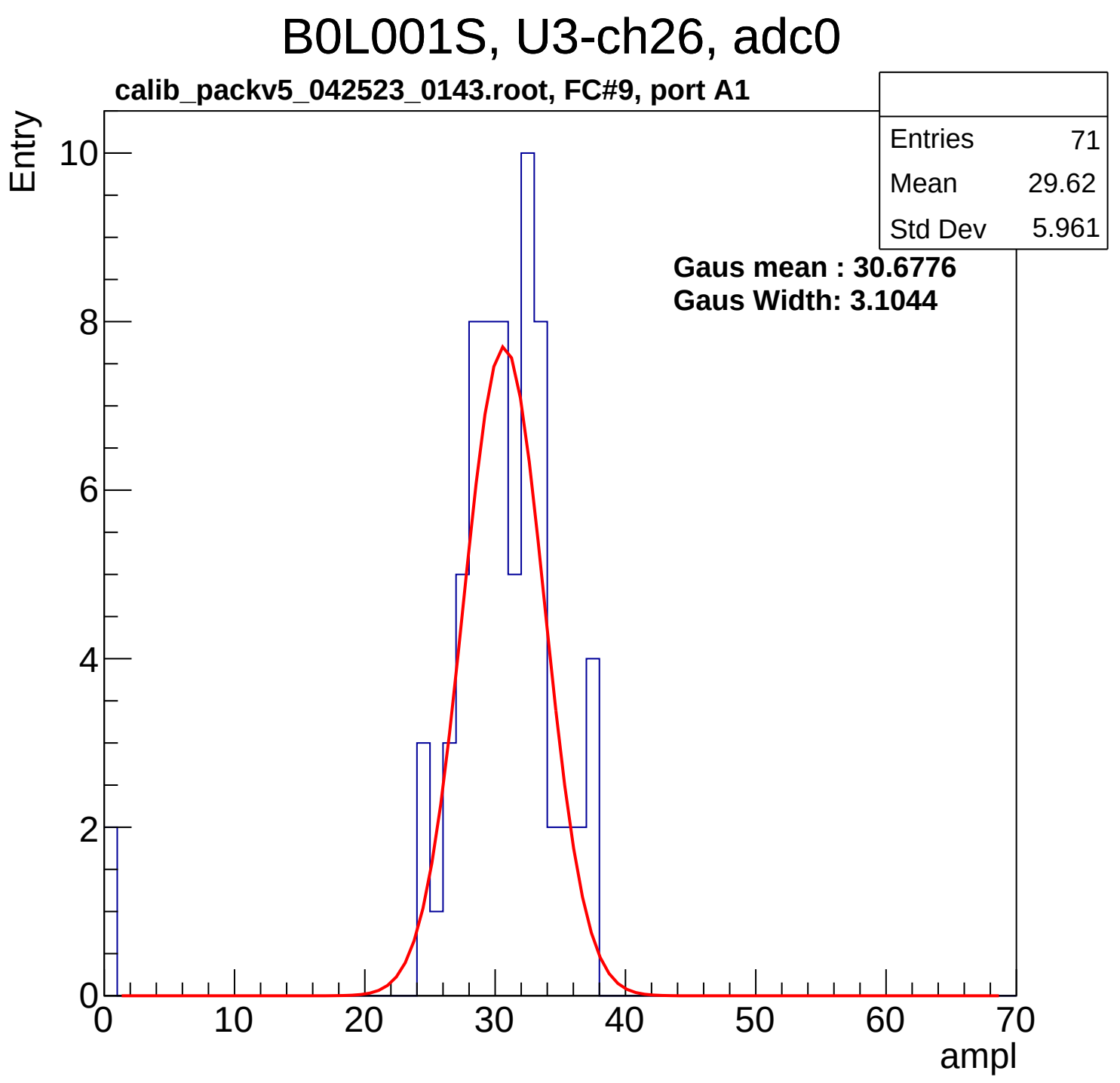
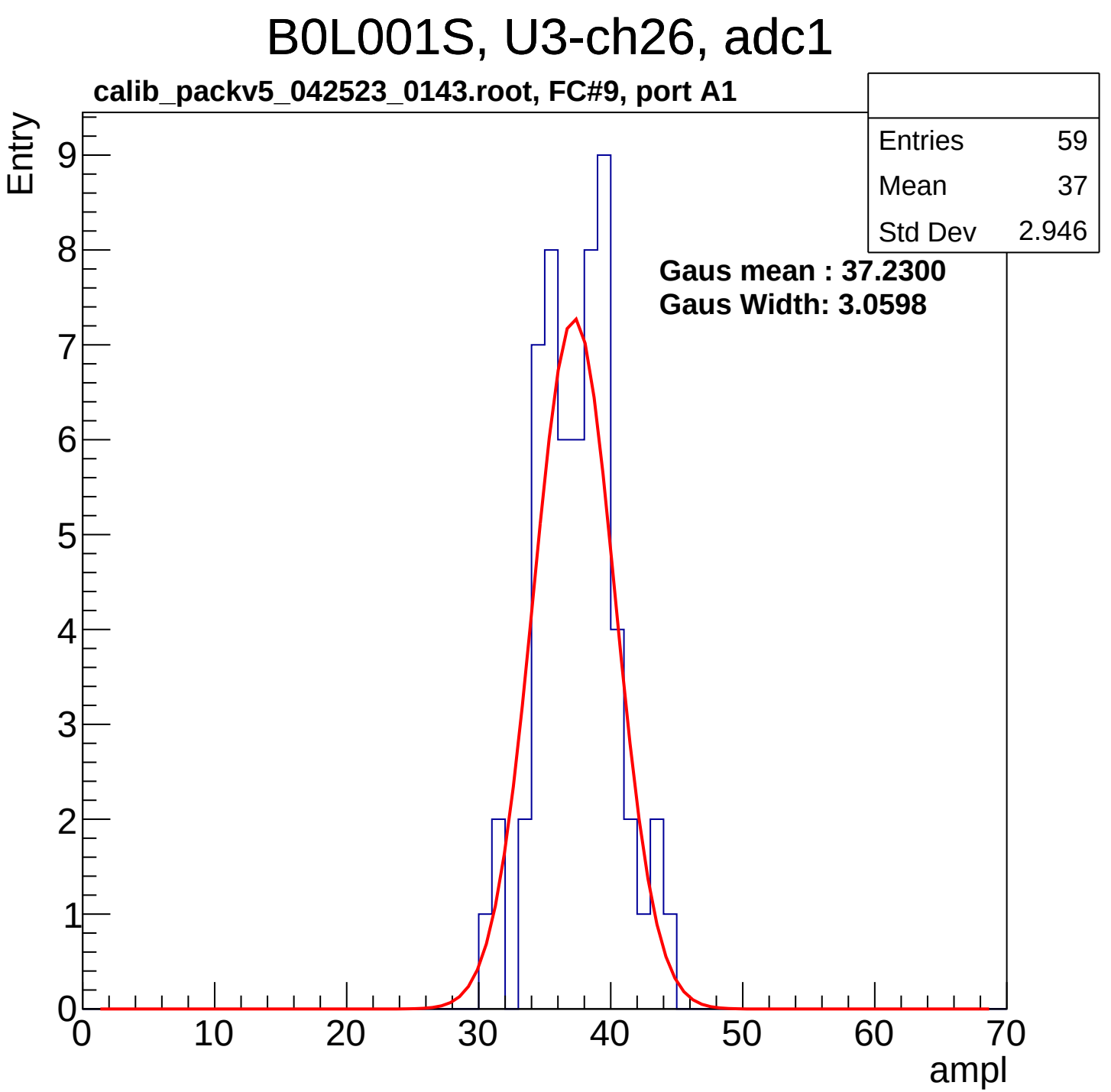
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch26, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 29.62
Std Dev 5.961
Gaus mean : 30.6776
Gaus Width: 3.1044
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch26, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 37
Std Dev 2.946
Gaus mean : 37.2300
Gaus Width: 3.0598
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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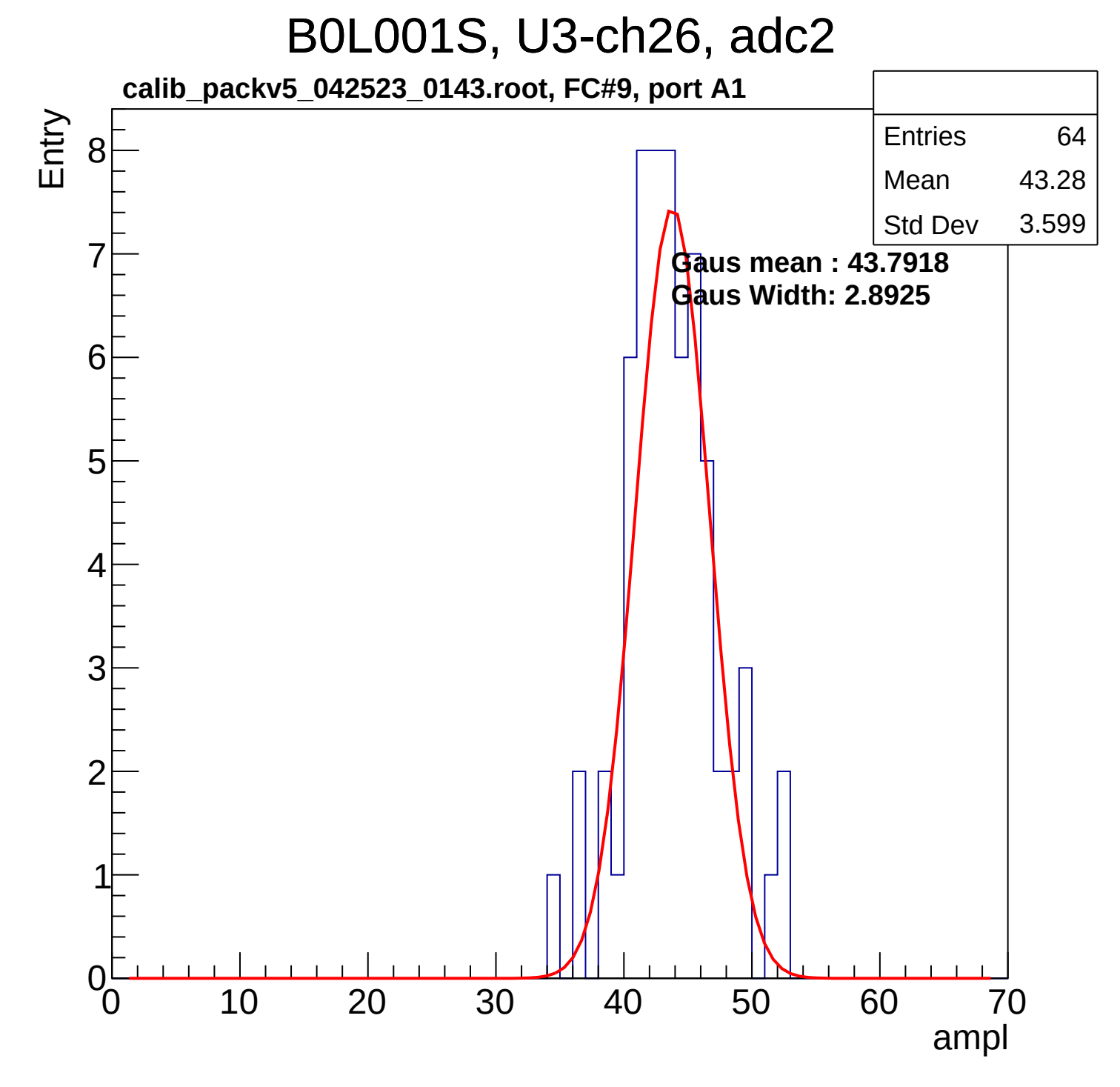
B0L001S, U3-ch26, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 43.28
Std Dev 3.599
Gaus mean : 43.7918
Gaus Width: 2.8925
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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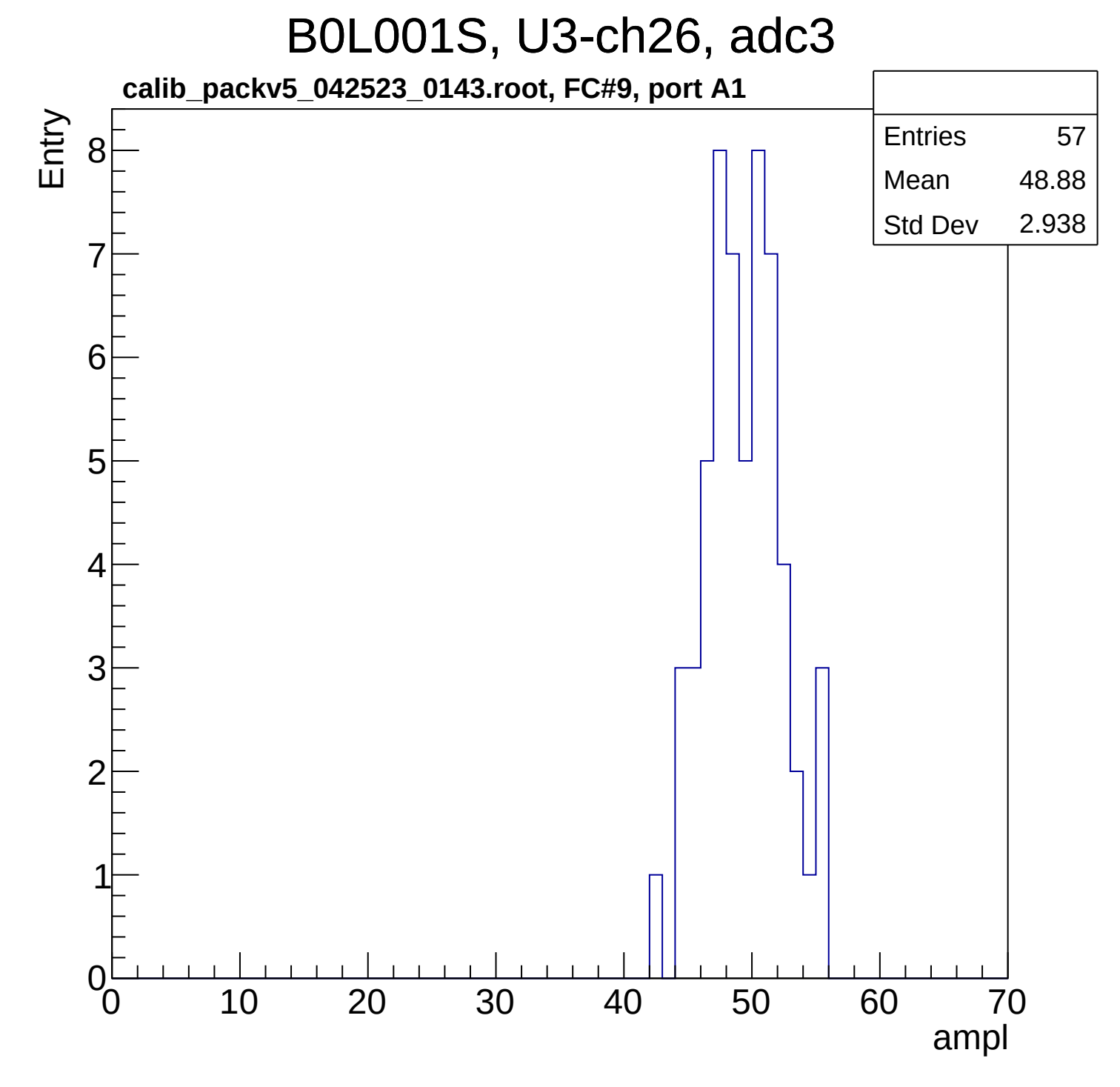
B0L001S, U3-ch26, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 48.88
Std Dev 2.938
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
50
60
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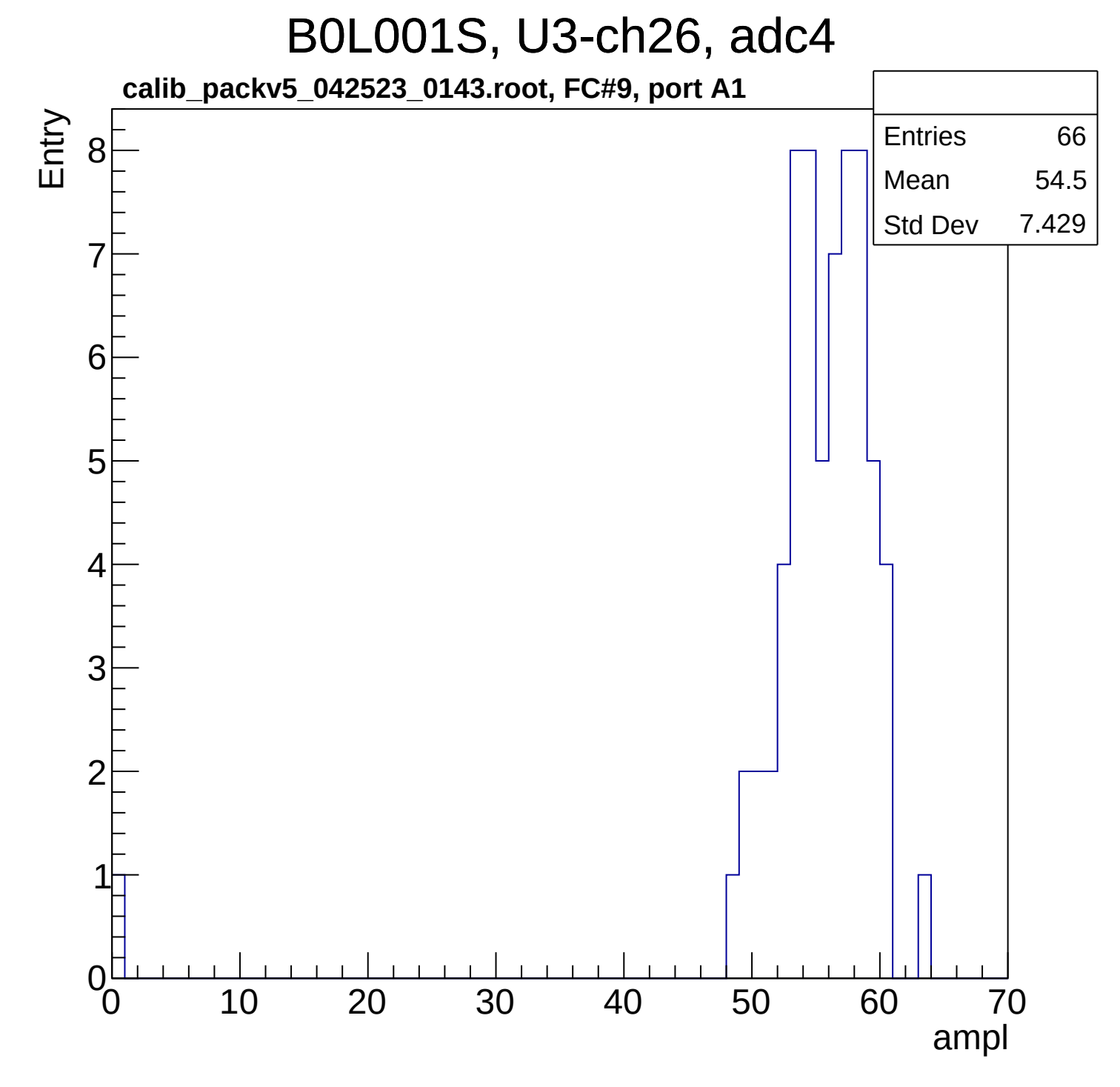
B0L001S, U3-ch26, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 54.5
Std Dev 7.429
Entry
ampl
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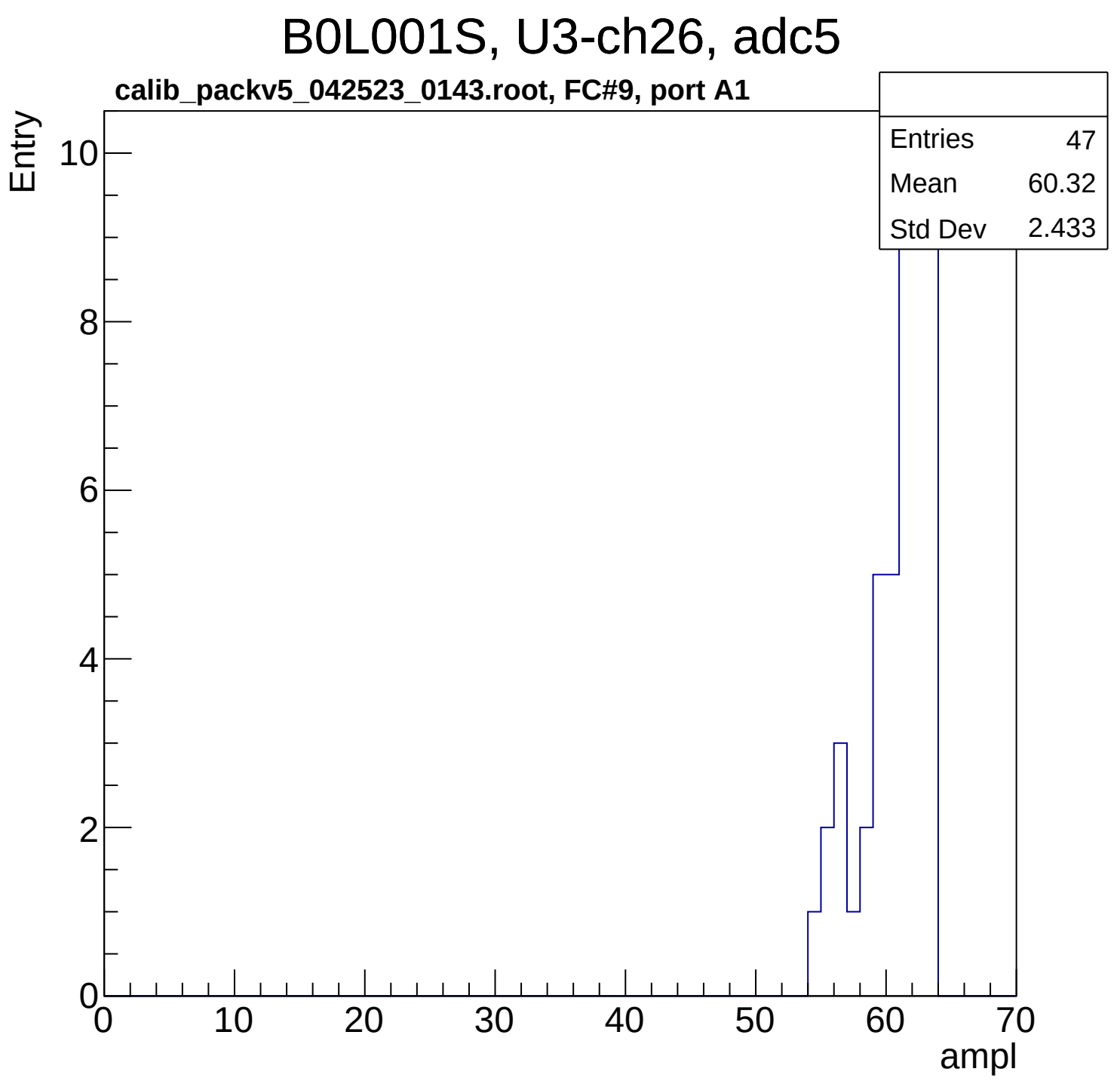
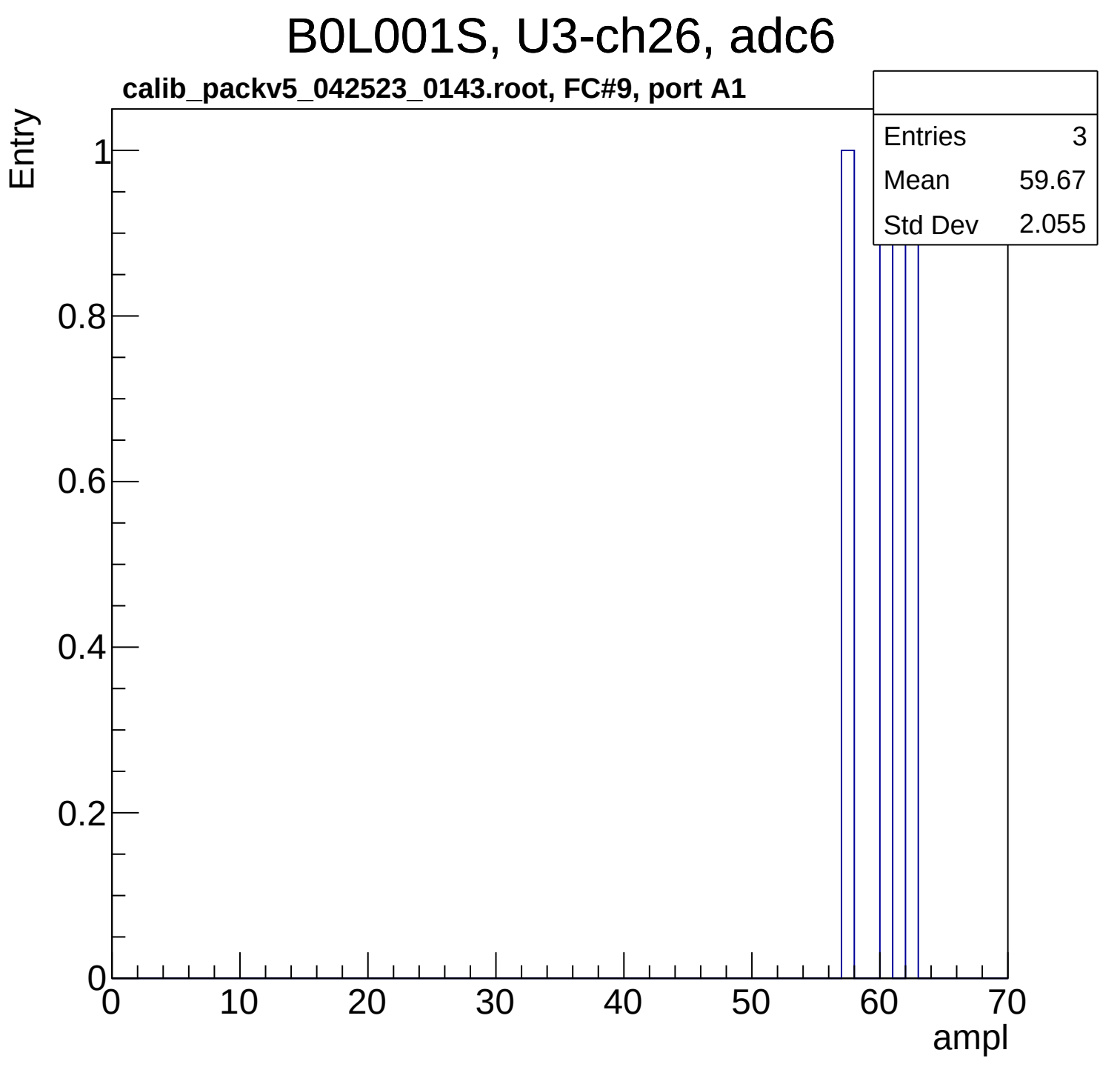
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch26, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 60.32
Std Dev 2.433
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch26, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 59.67
Std Dev 2.055
Entry
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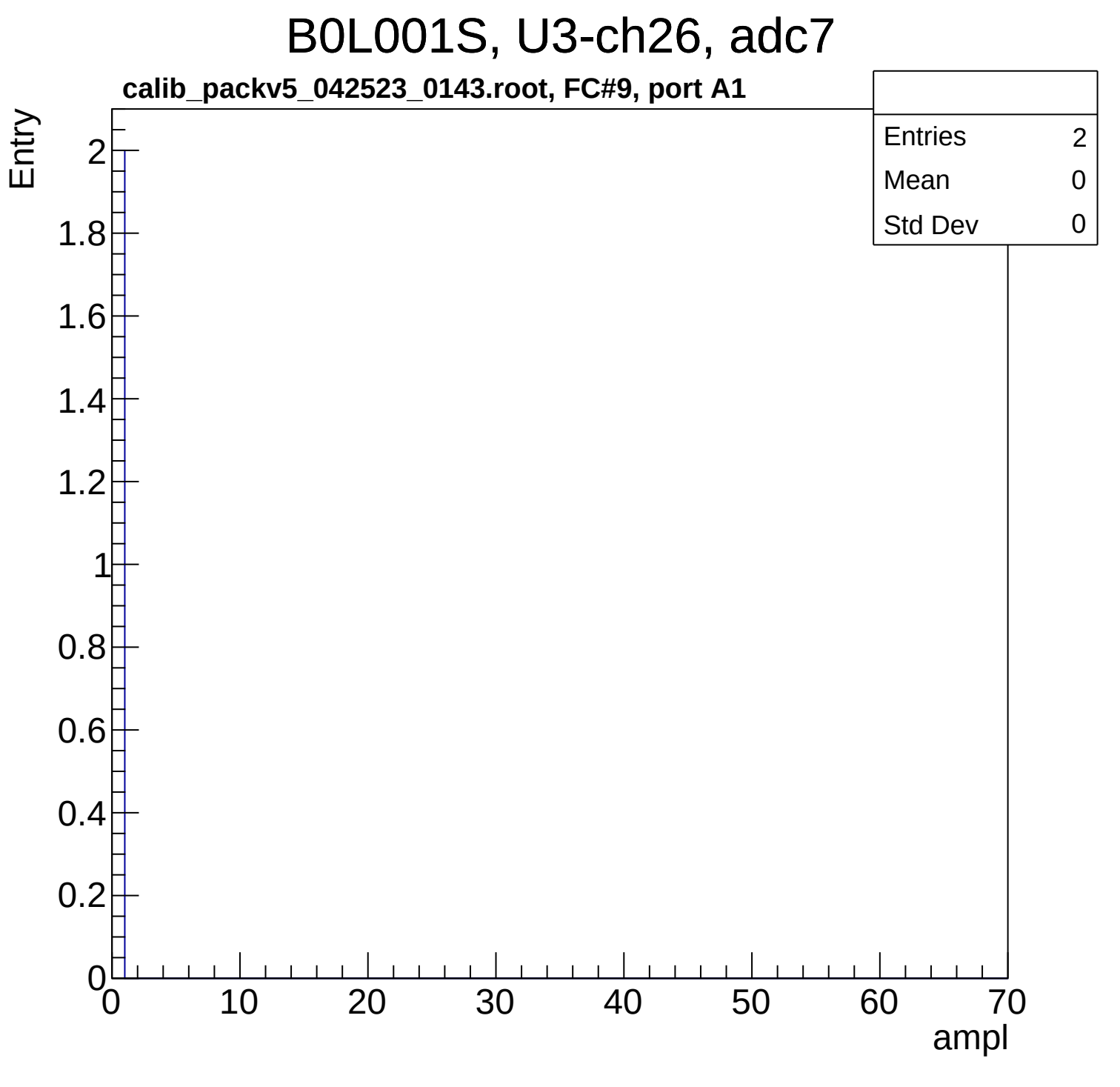
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch26, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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
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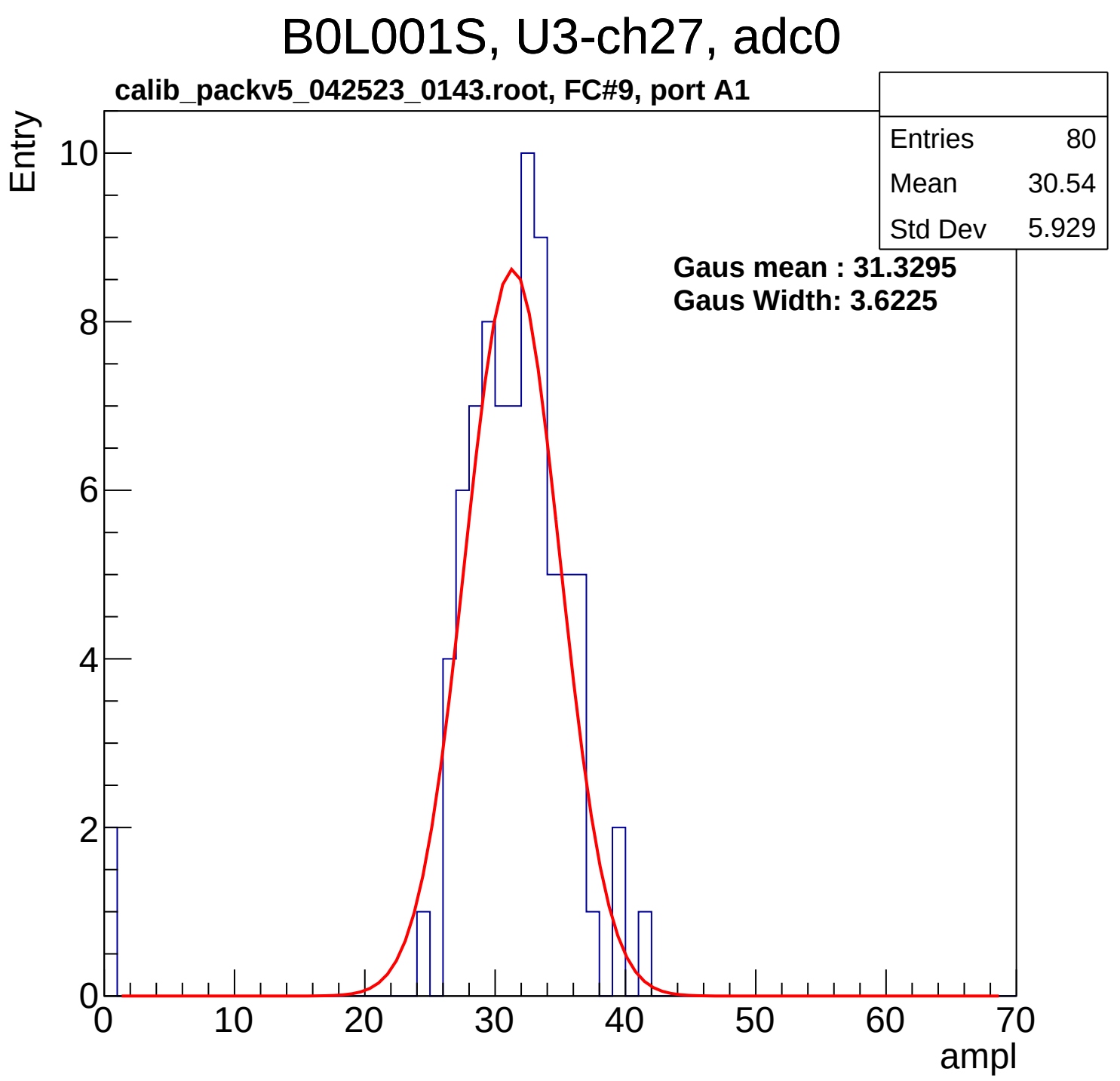
50
60
70
ampl


B0L001S, U3-ch27, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 30.54
Std Dev 5.929
Gaus mean : 31.3295
Gaus Width: 3.6225
Entry
ampl
0
2
4
6
8
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0
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20
30
40
50
60
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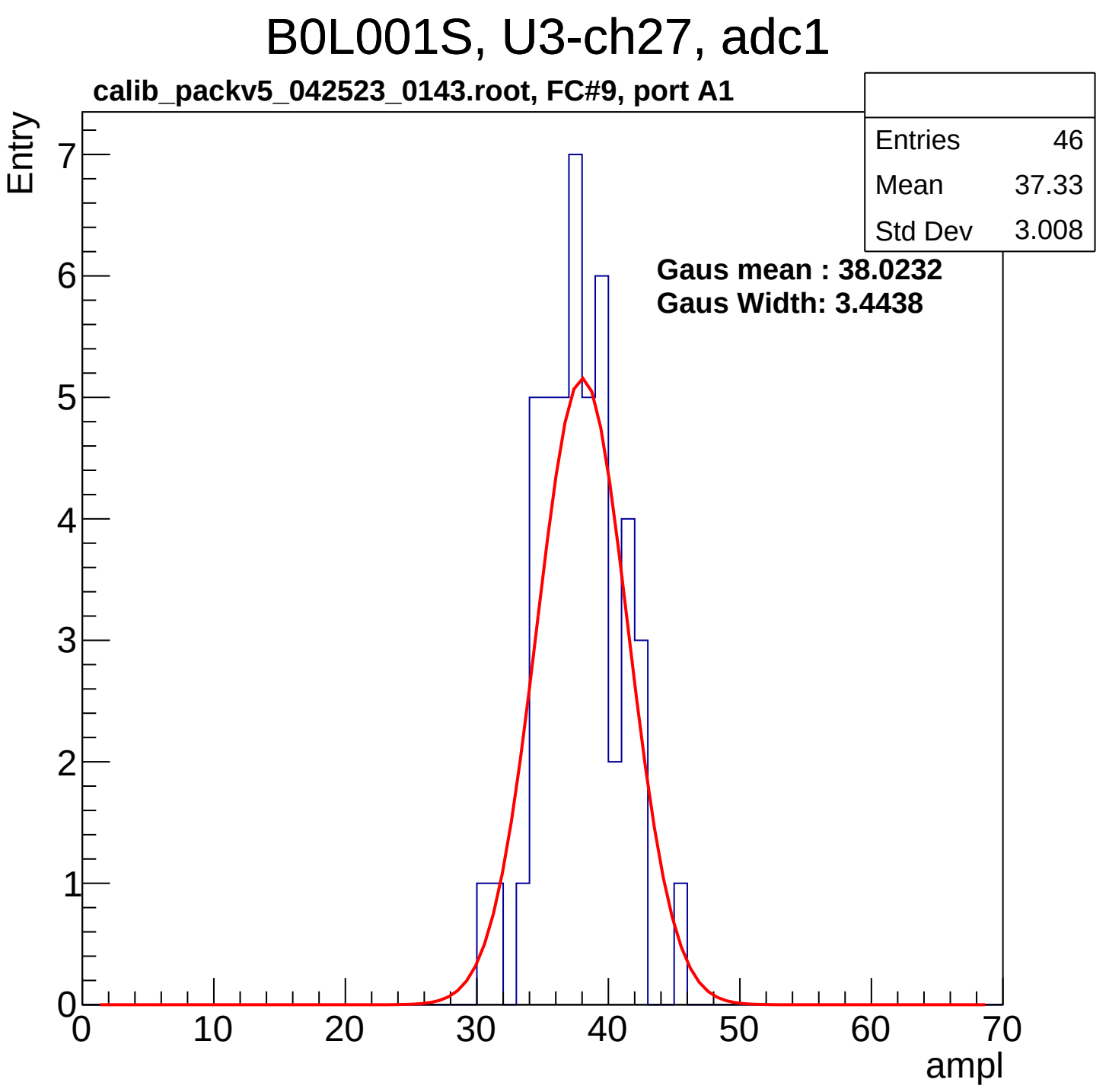
B0L001S, U3-ch27, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 37.33
Std Dev 3.008
Gaus mean : 38.0232
Gaus Width: 3.4438
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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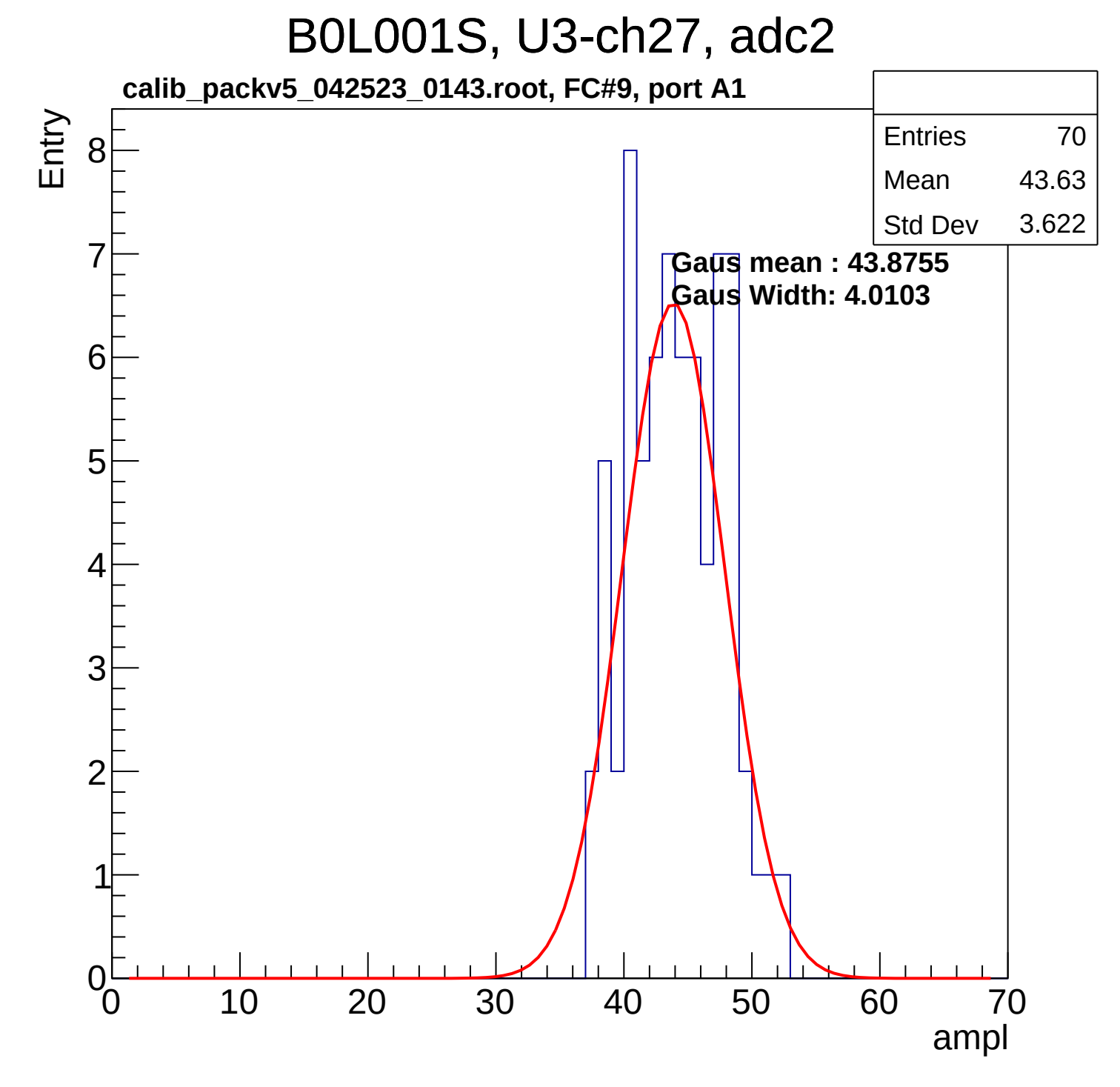
B0L001S, U3-ch27, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 43.63
Std Dev 3.622
Gaus mean : 43.8755
Gaus Width: 4.0103
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
50
60
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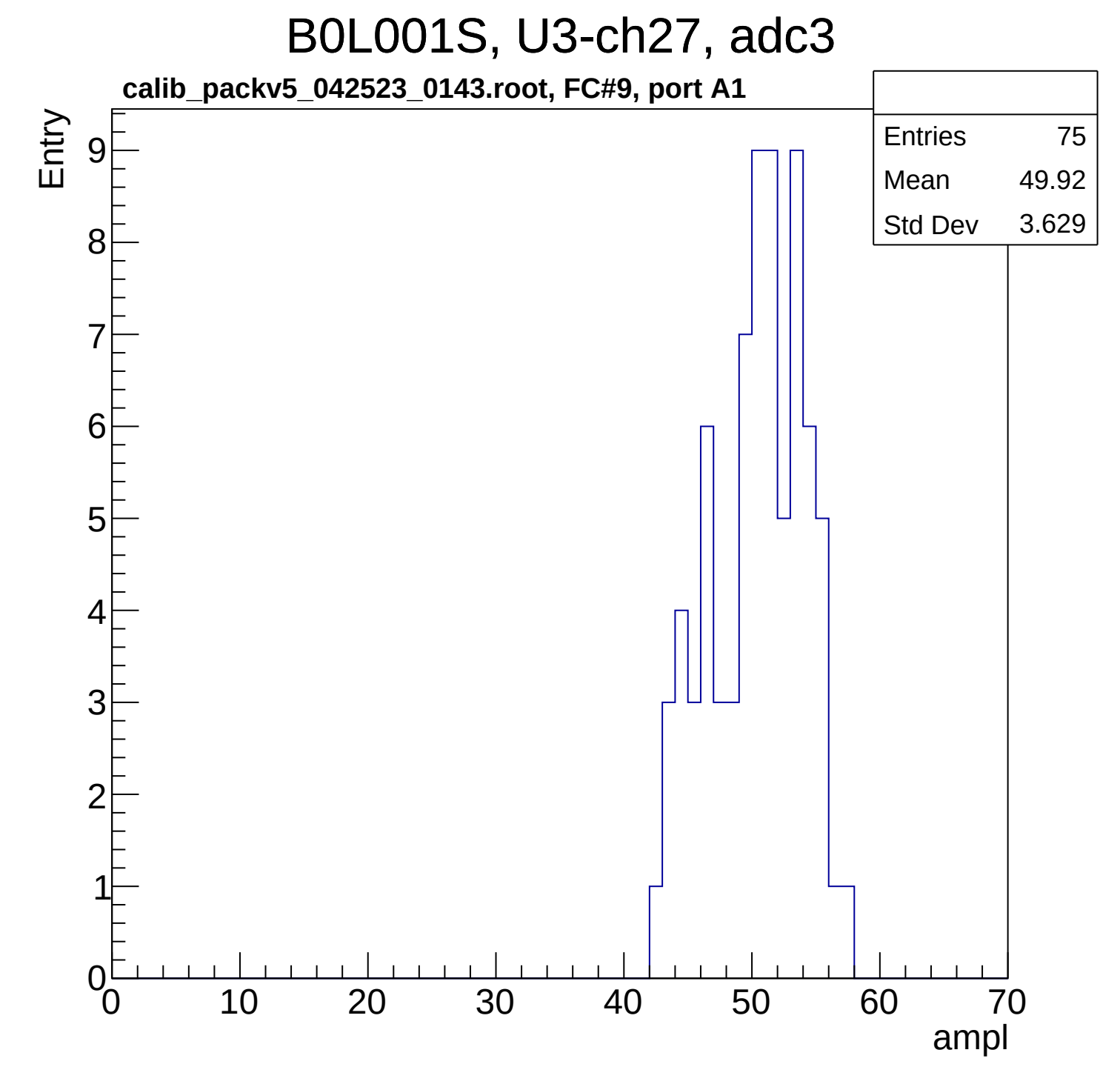
B0L001S, U3-ch27, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 49.92
Std Dev 3.629
Entry
ampl
0
1
2
3
4
5
6
7
8
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0
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40
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60
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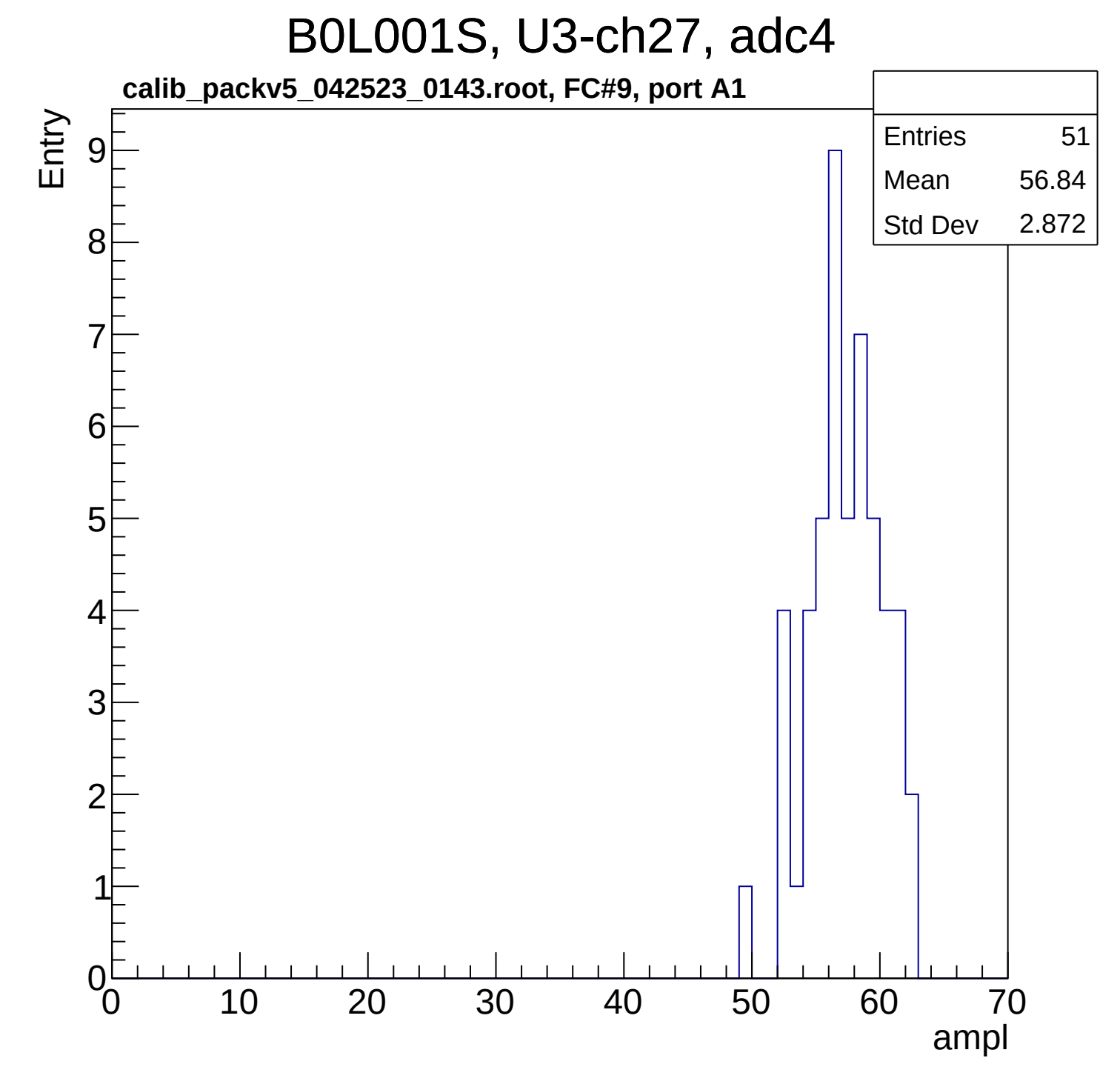
B0L001S, U3-ch27, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 56.84
Std Dev 2.872
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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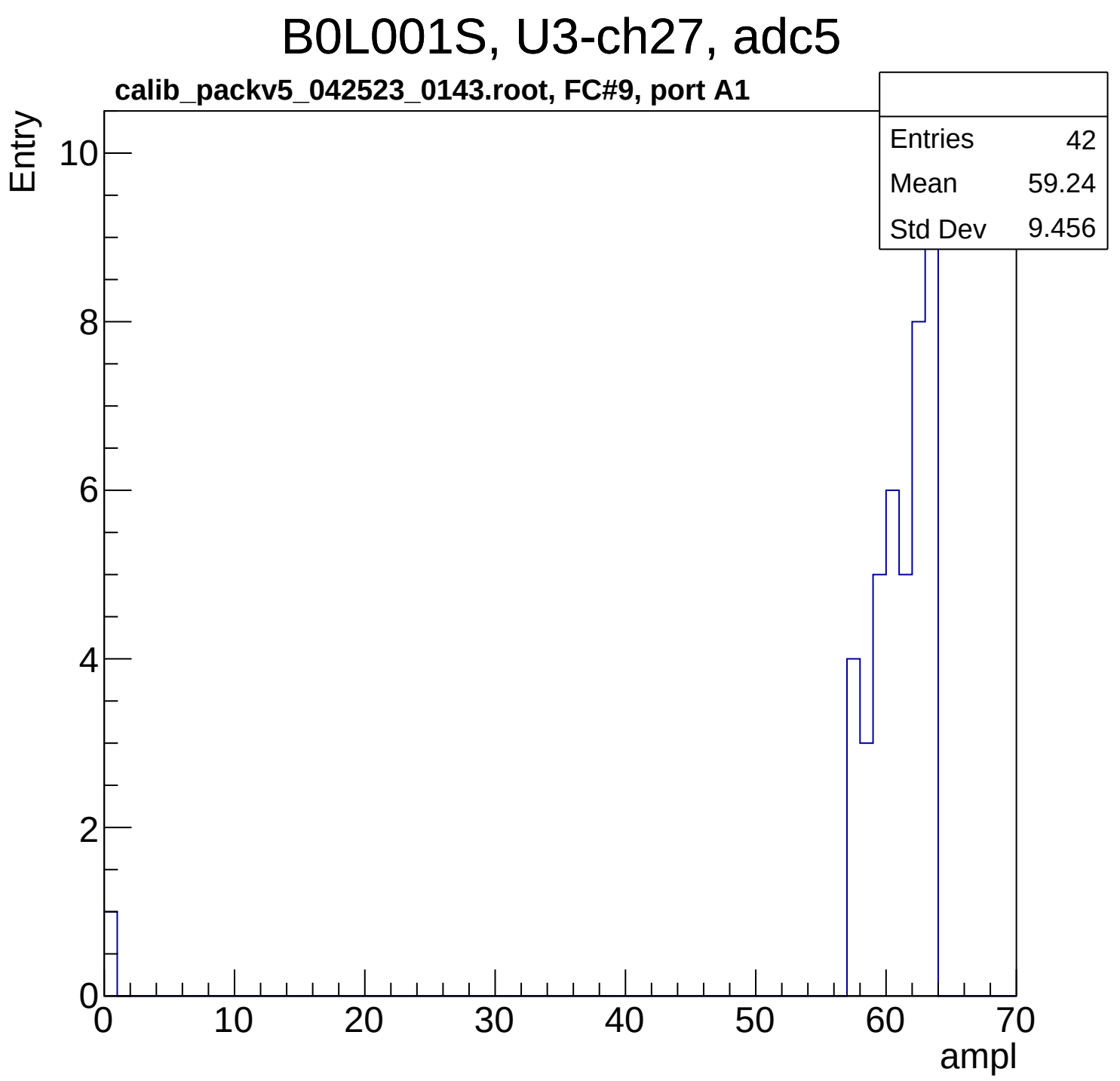
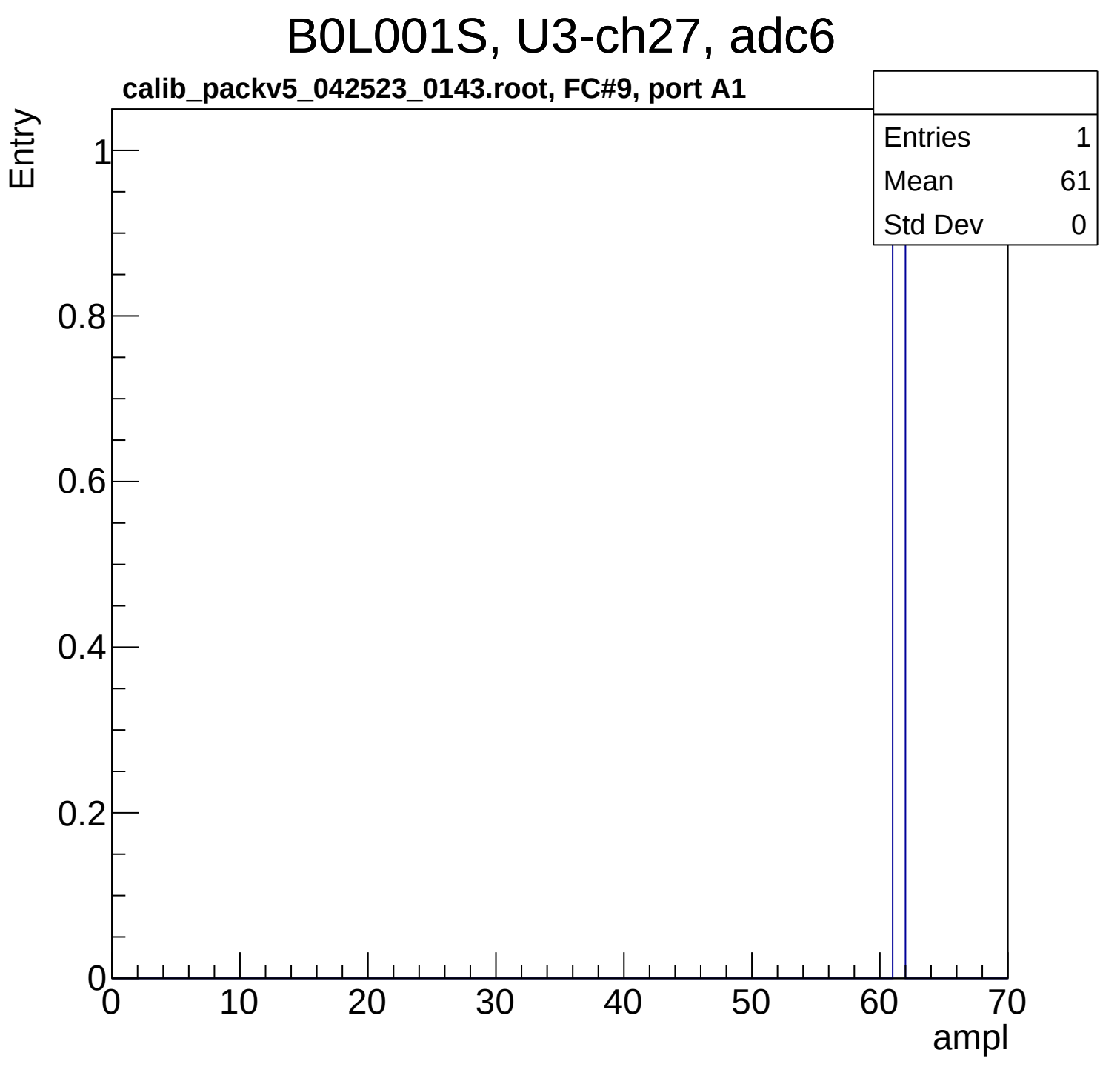
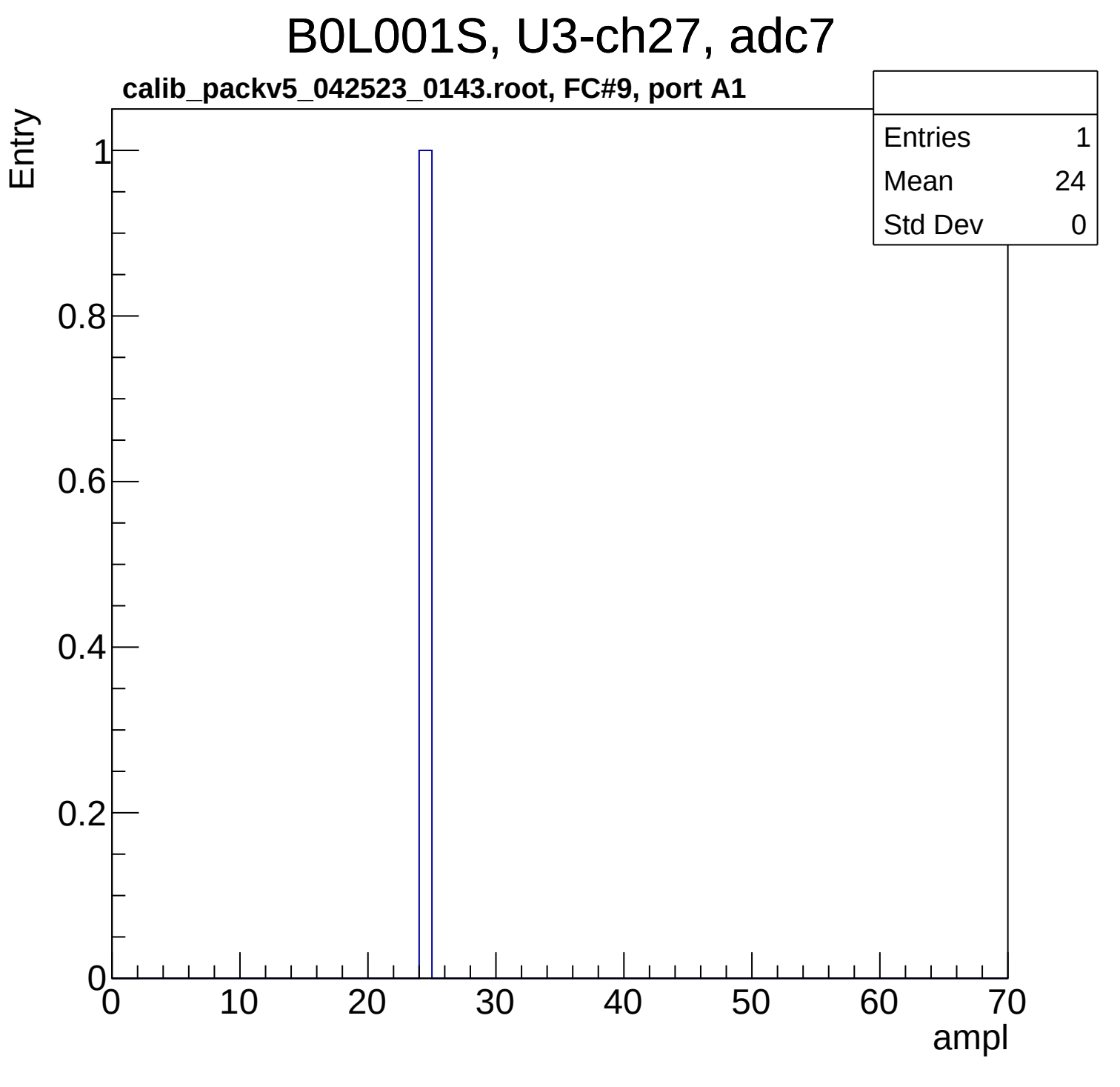

B0L001S, U3-ch27, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 59.24
Std Dev 9.456
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch27, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 61
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch27, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 24
Std Dev 0
Entry
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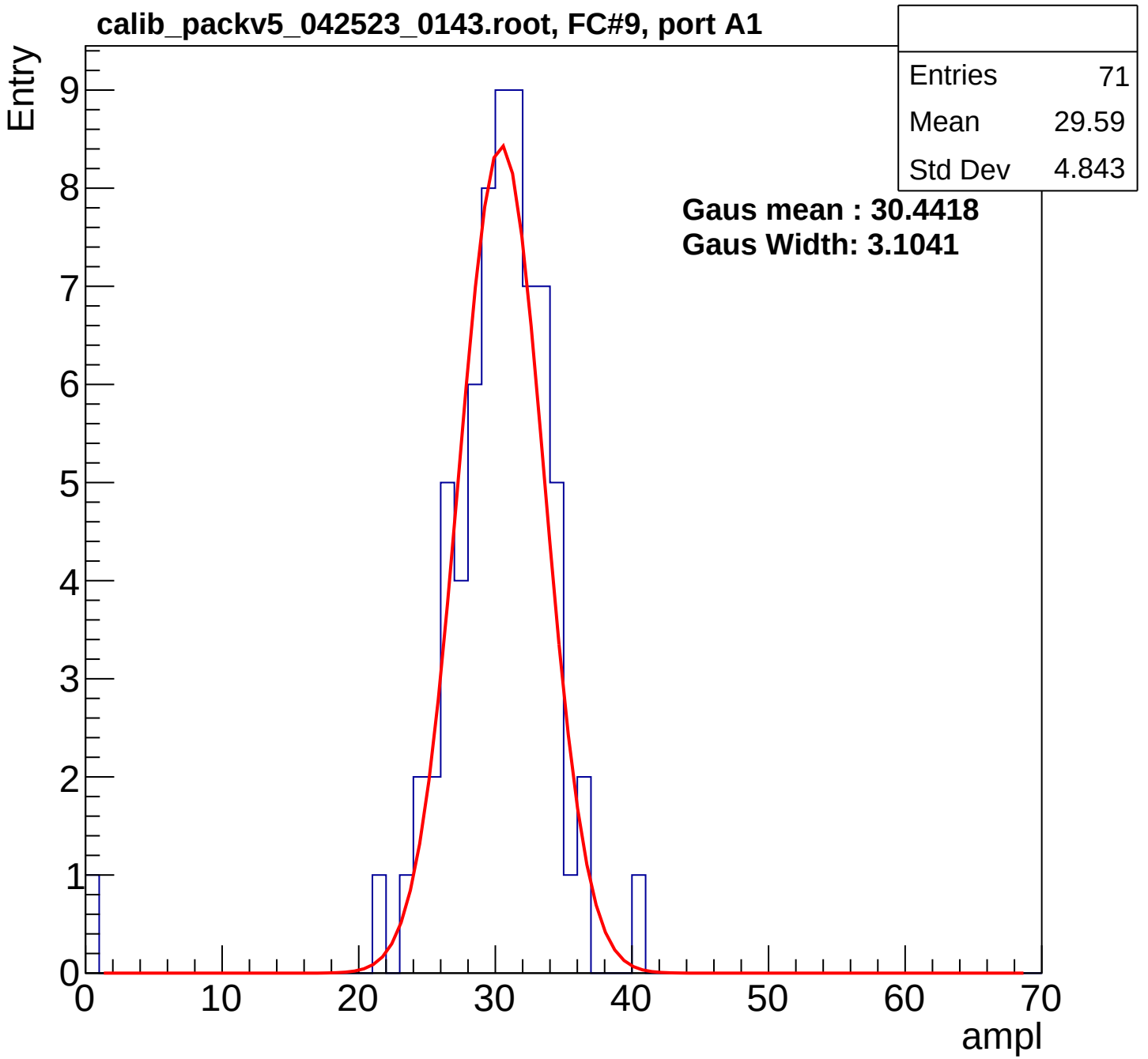
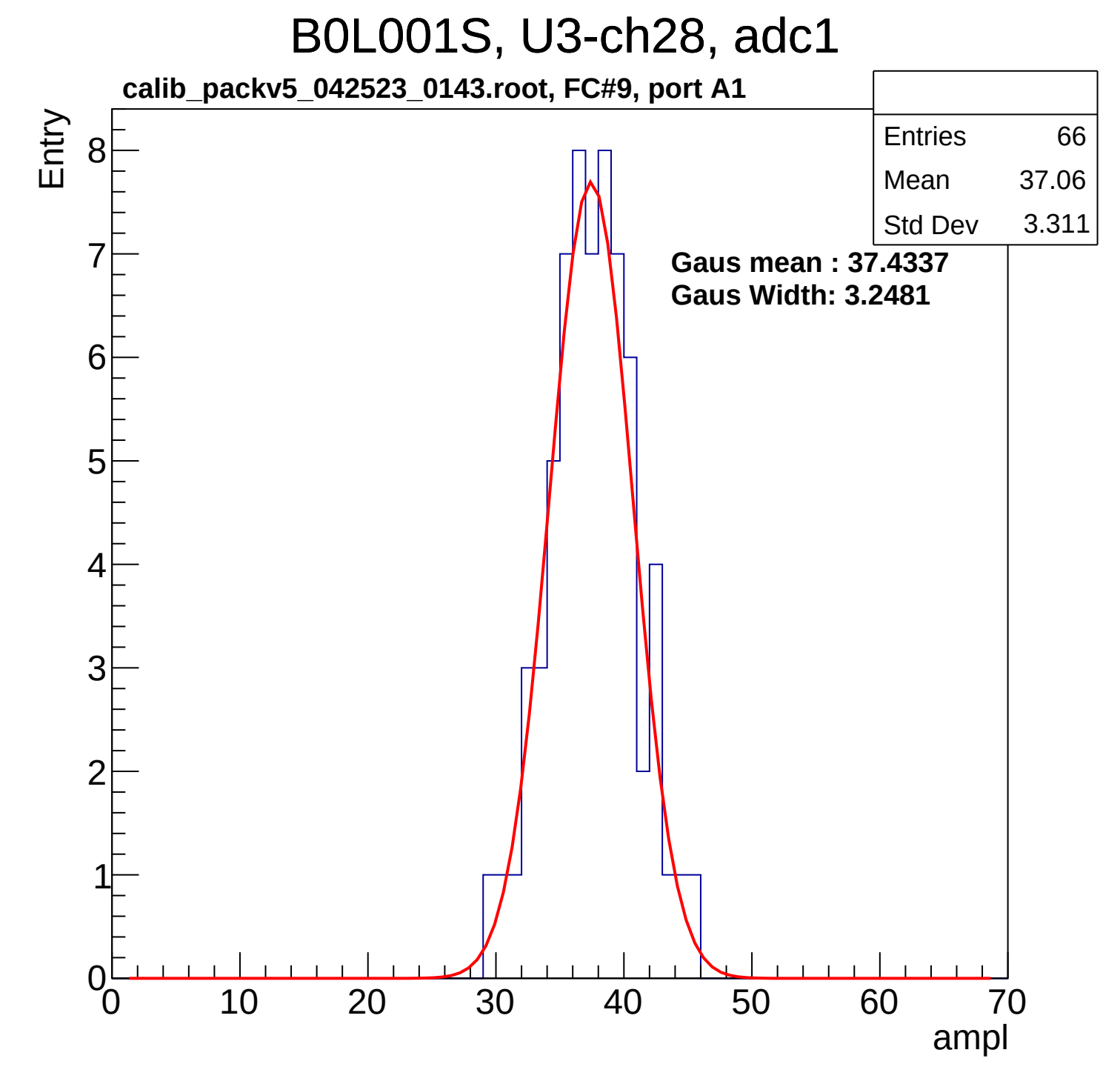
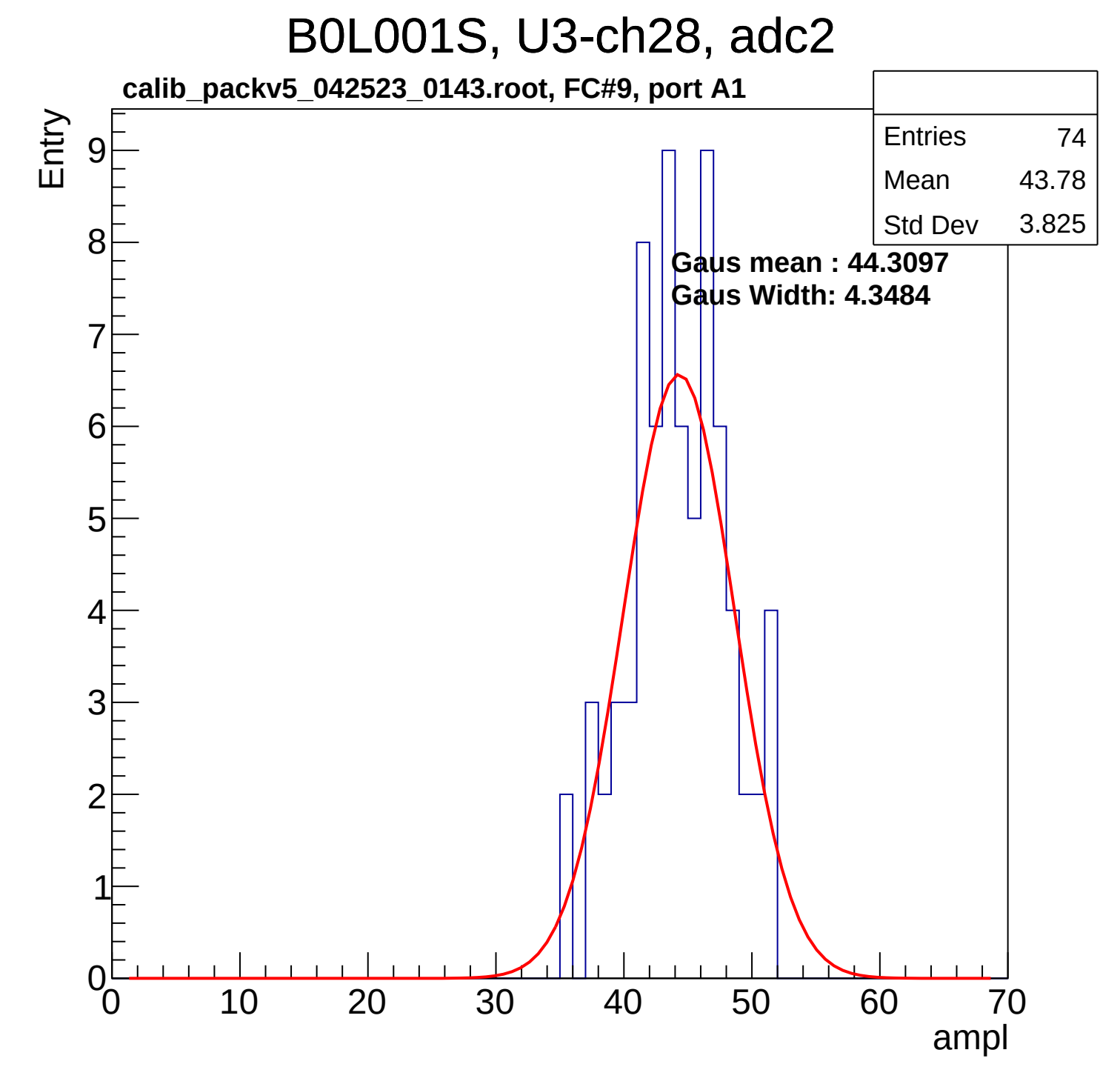
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch28, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 29.59
Std Dev 4.843
Gaus mean : 30.4418
Gaus Width: 3.1041
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch28, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.06
Std Dev 3.311
Gaus mean : 37.4337
Gaus Width: 3.2481
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch28, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 43.78
Std Dev 3.825
Gaus mean : 44.3097
Gaus Width: 4.3484
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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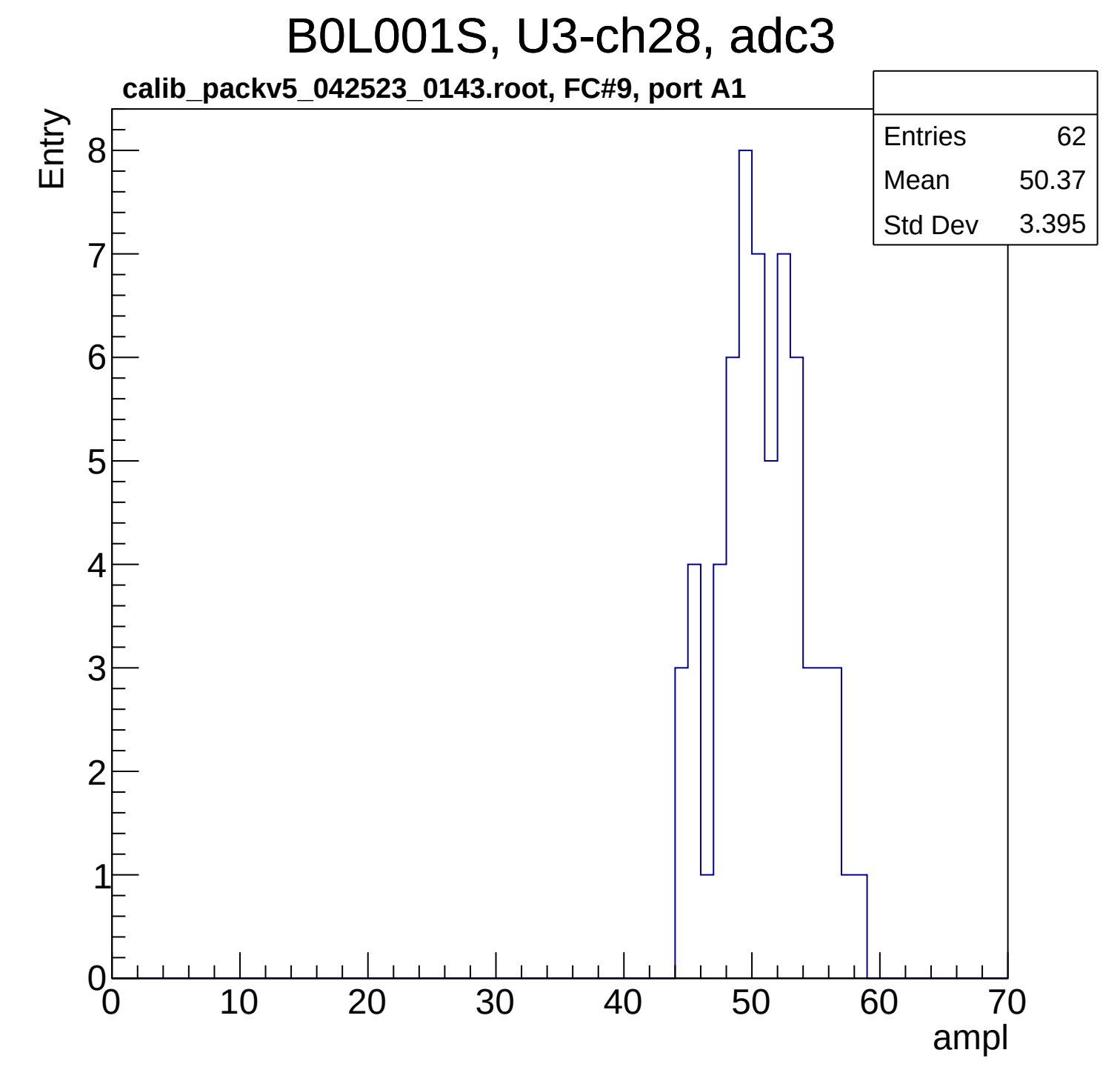
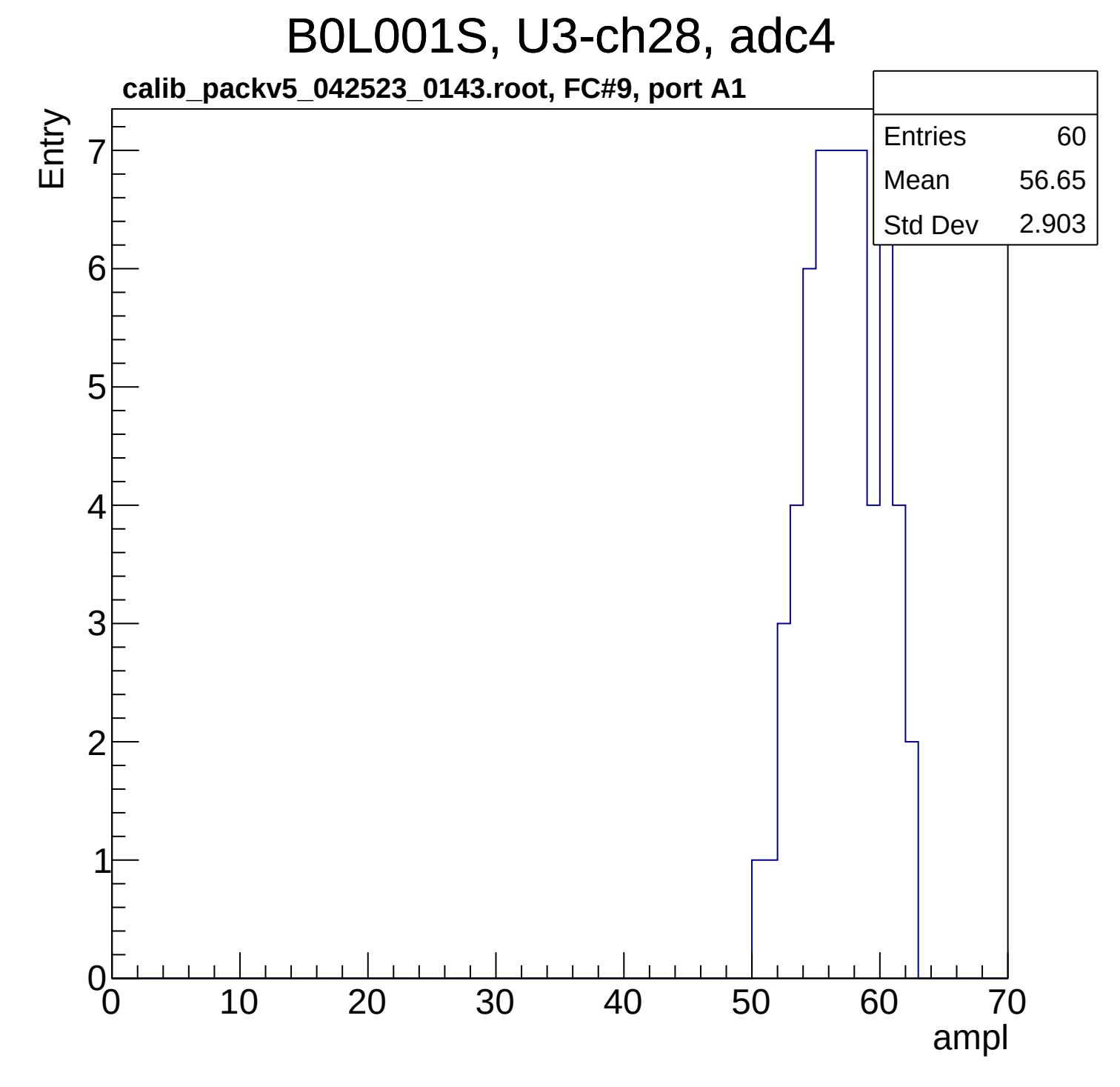
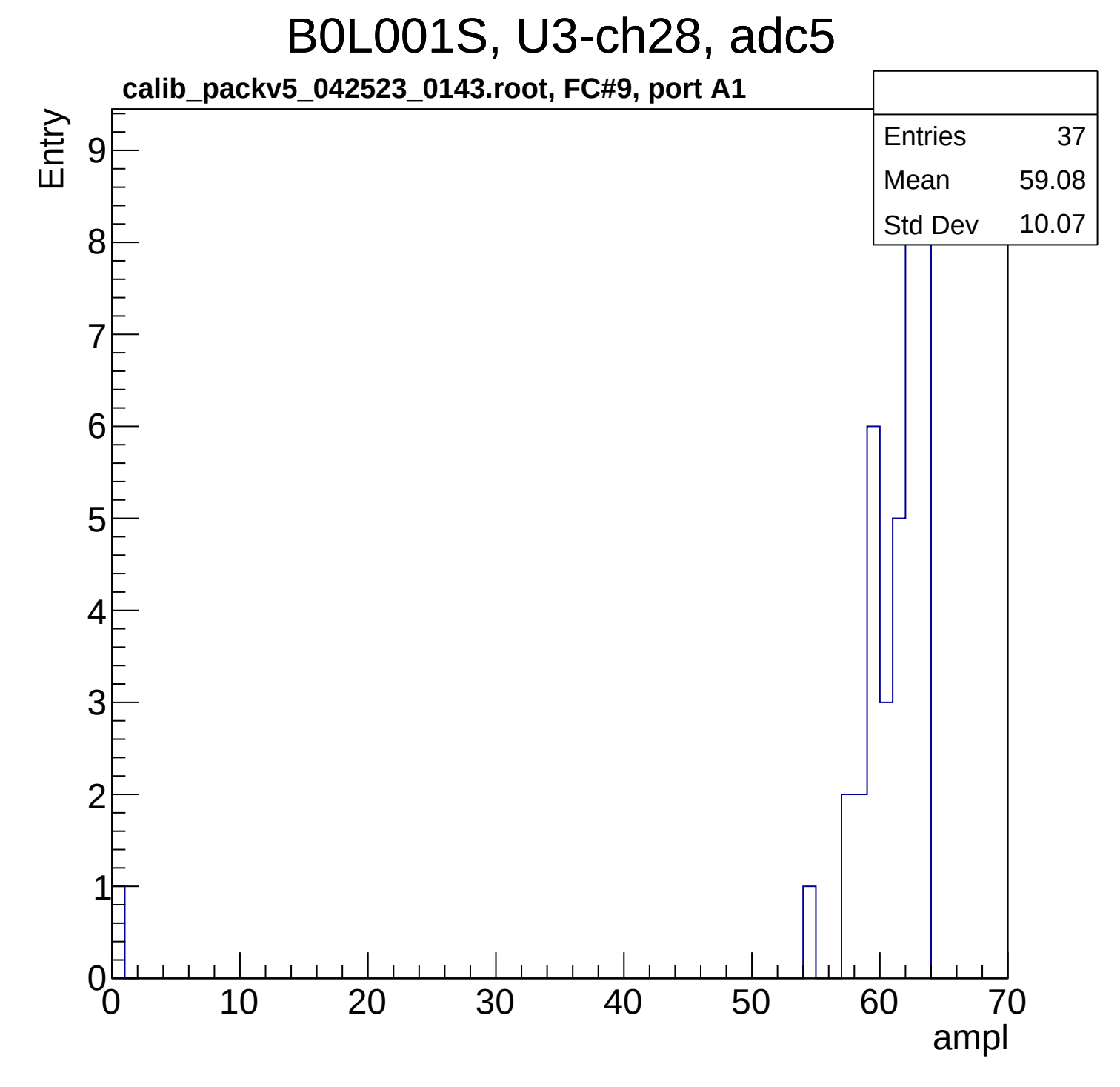

B0L001S, U3-ch28, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 50.37
Std Dev 3.395
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch28, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 56.65
Std Dev 2.903
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch28, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 37
Mean 59.08
Std Dev 10.07
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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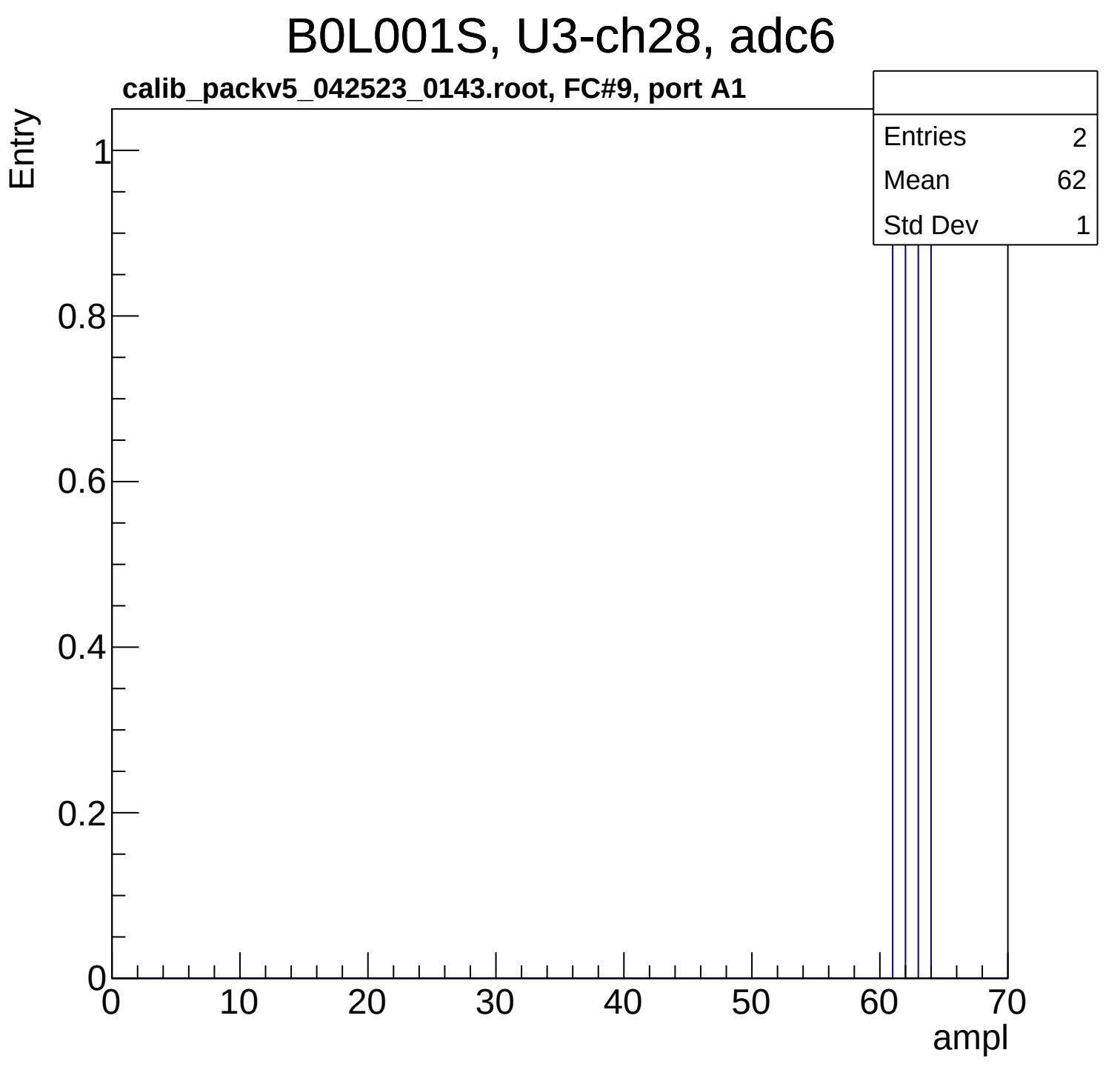
B0L001S, U3-ch28, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62
Std Dev 1
Entry
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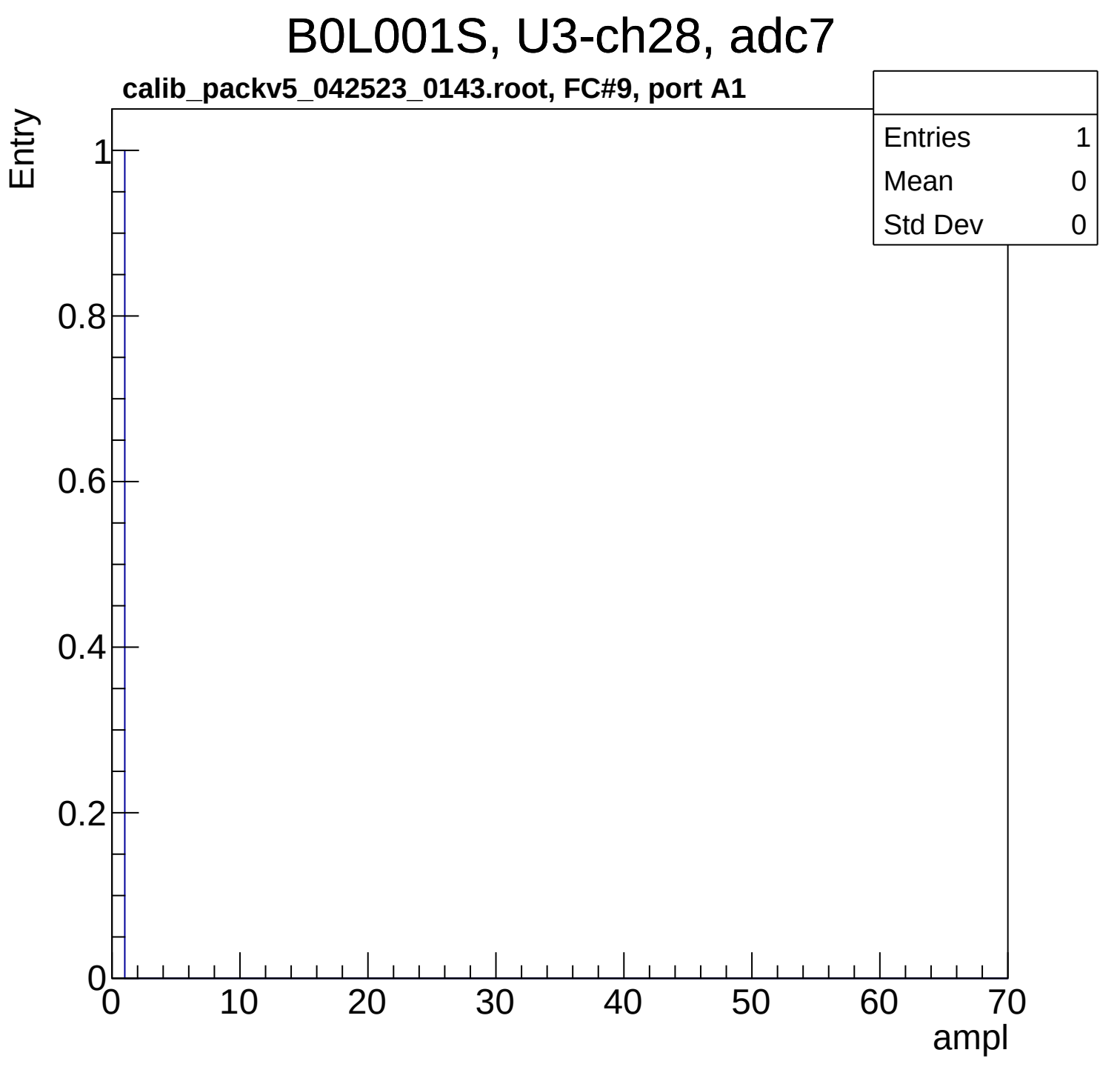
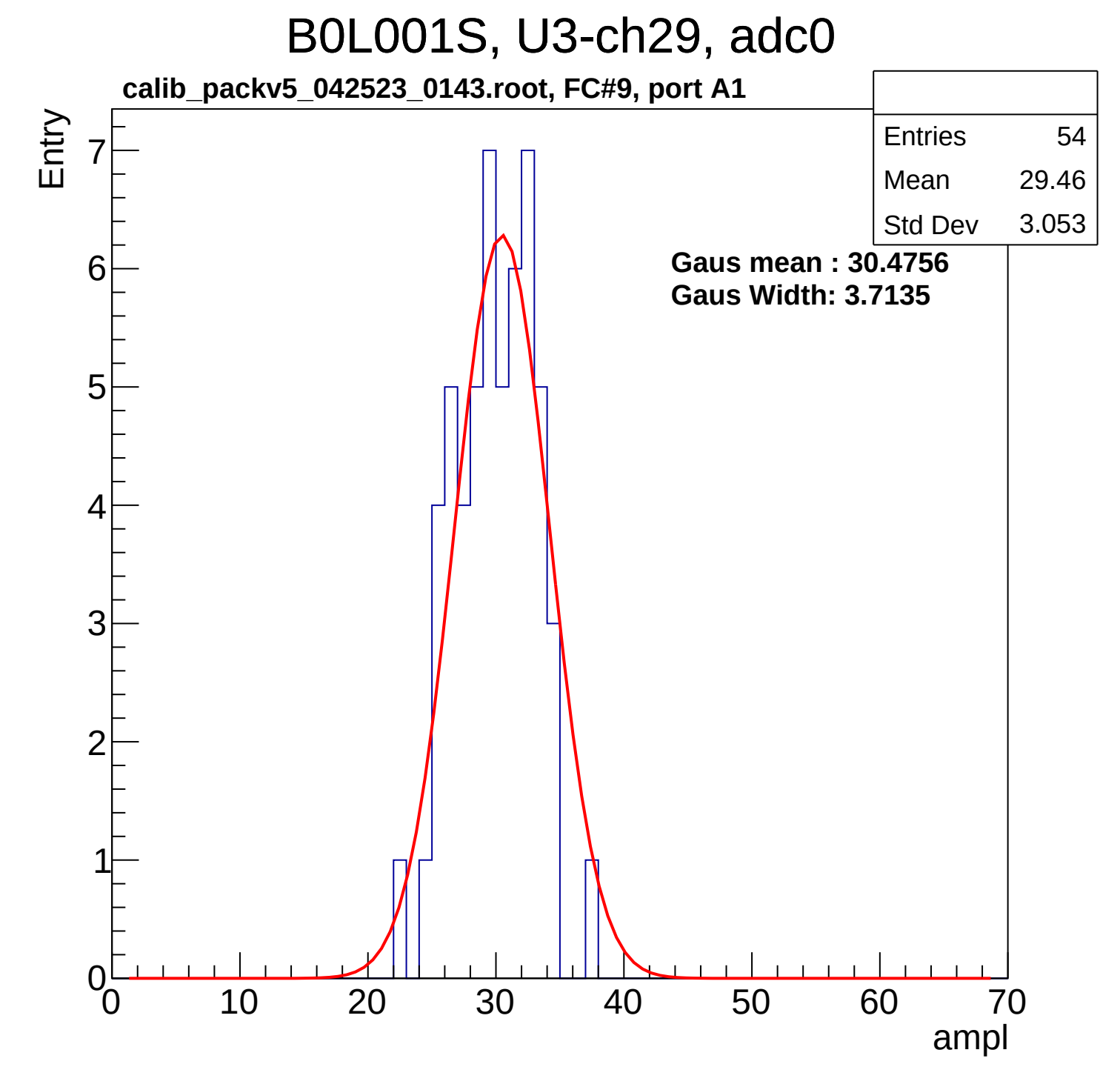
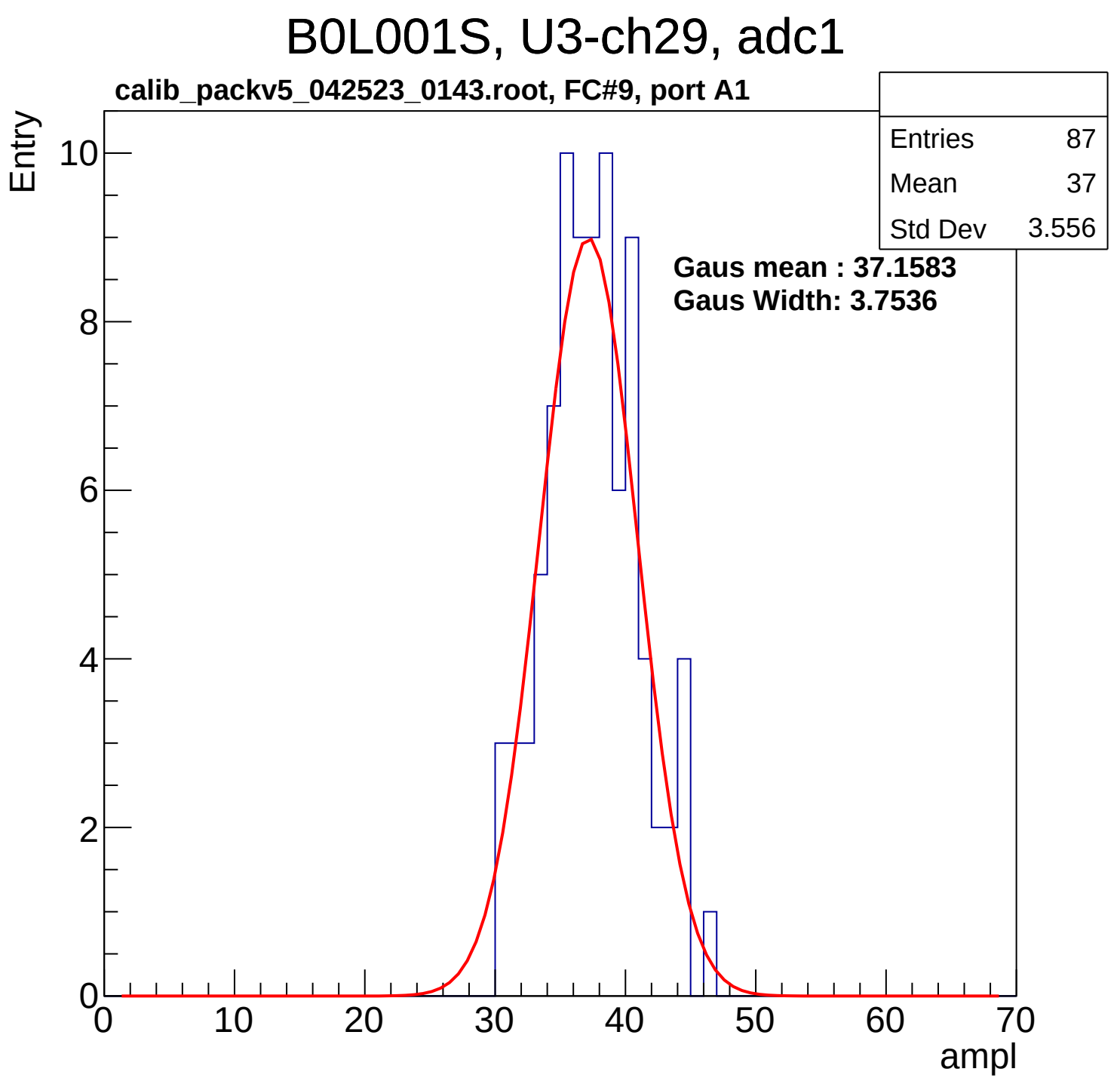
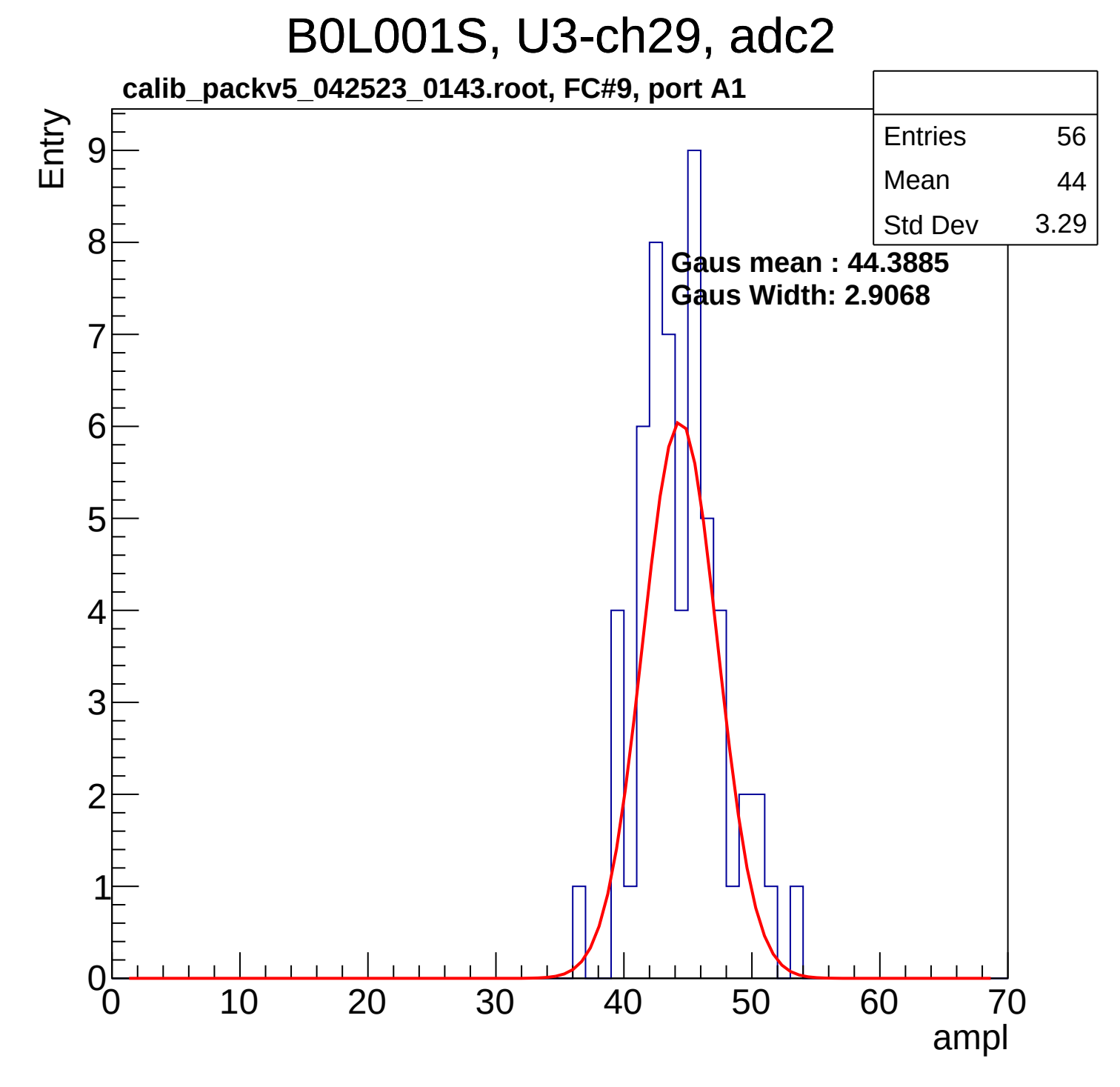
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch28, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch29, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 29.46
Std Dev 3.053
Gaus mean : 30.4756
Gaus Width: 3.7135
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch29, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 87
Mean 37
Std Dev 3.556
Gaus mean : 37.1583
Gaus Width: 3.7536
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch29, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 44
Std Dev 3.29
Gaus mean : 44.3885
Gaus Width: 2.9068
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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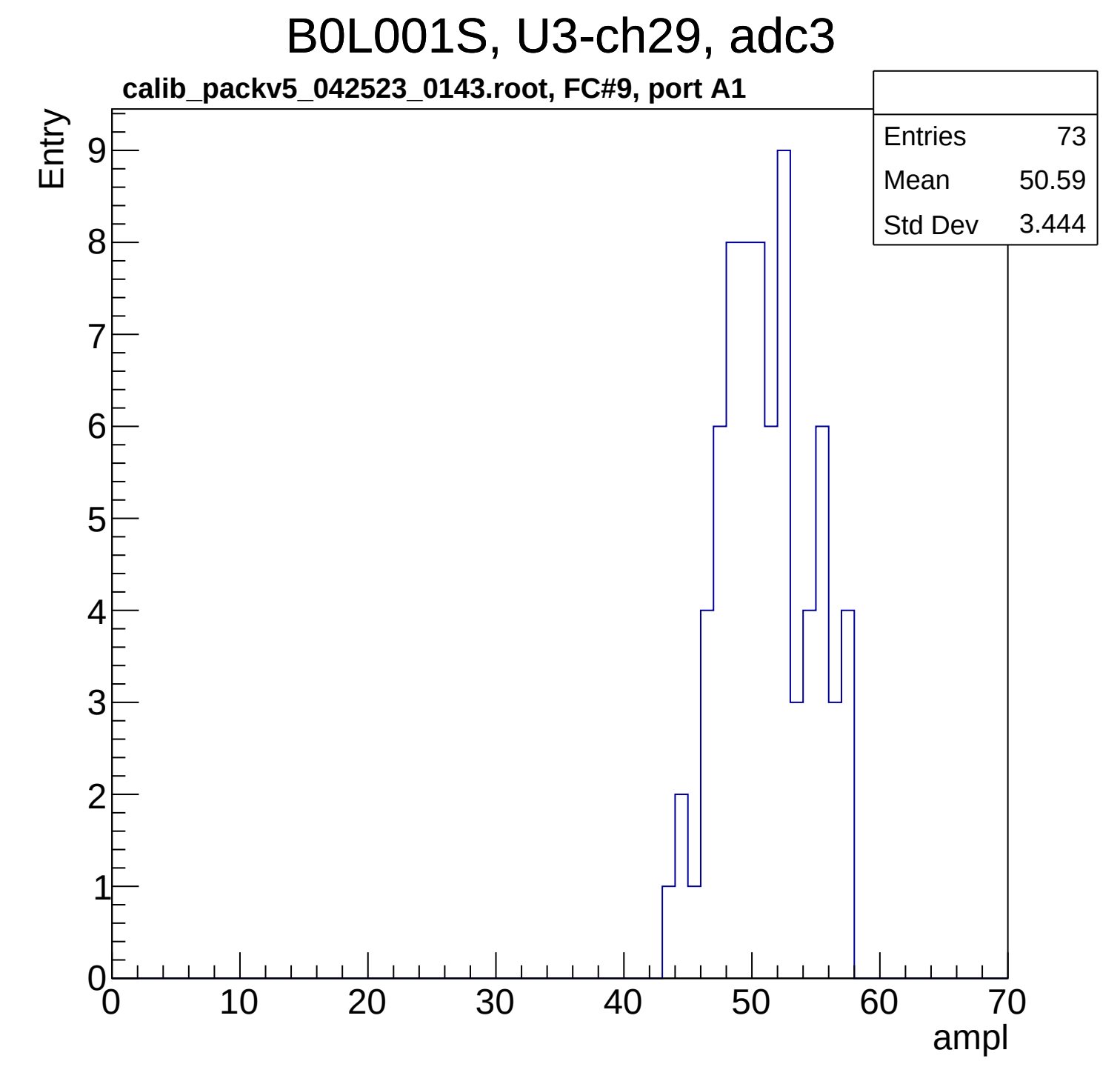
B0L001S, U3-ch29, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 50.59
Std Dev 3.444
Entry
ampl
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3
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5
6
7
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0
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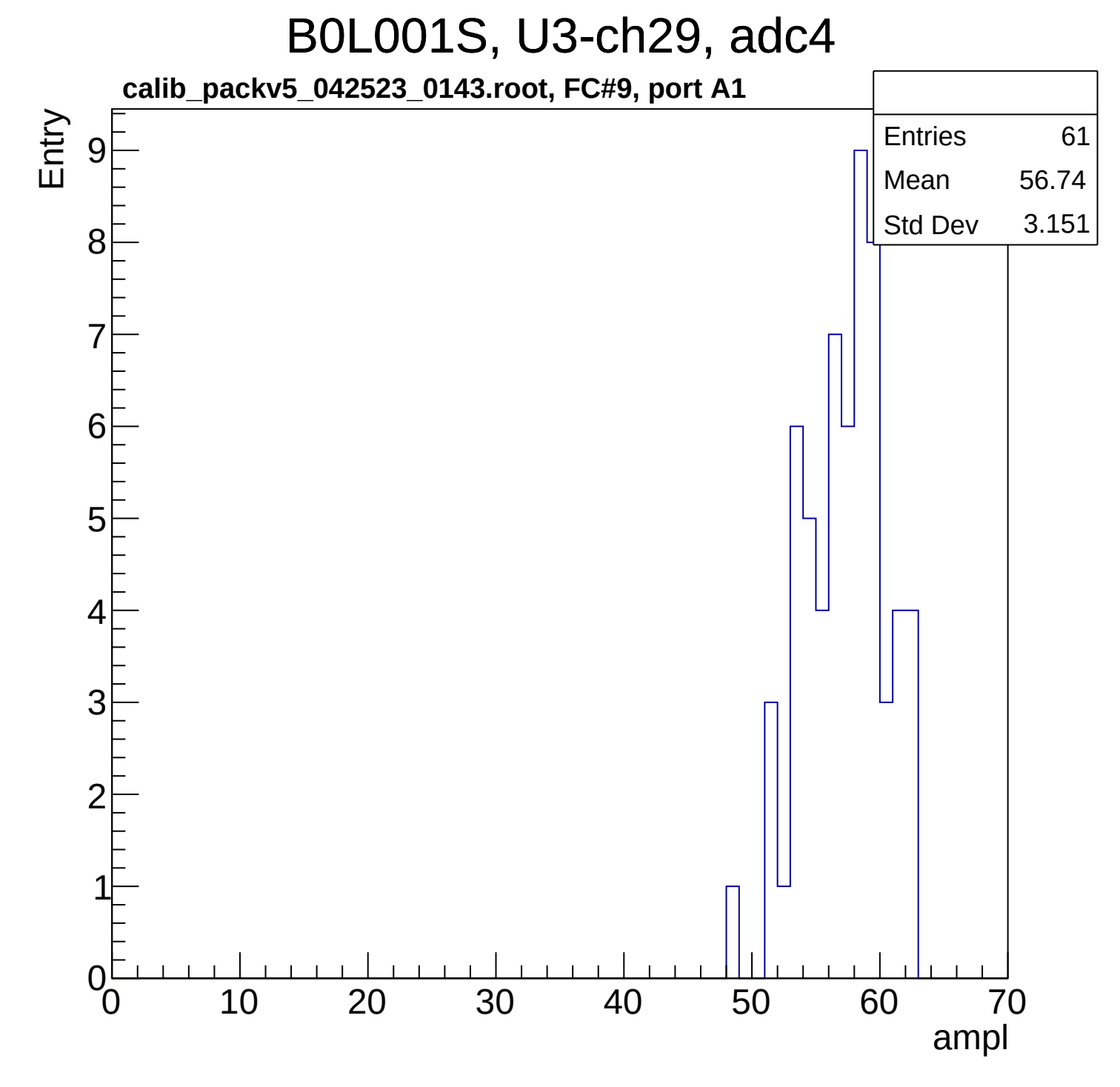
B0L001S, U3-ch29, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 56.74
Std Dev 3.151
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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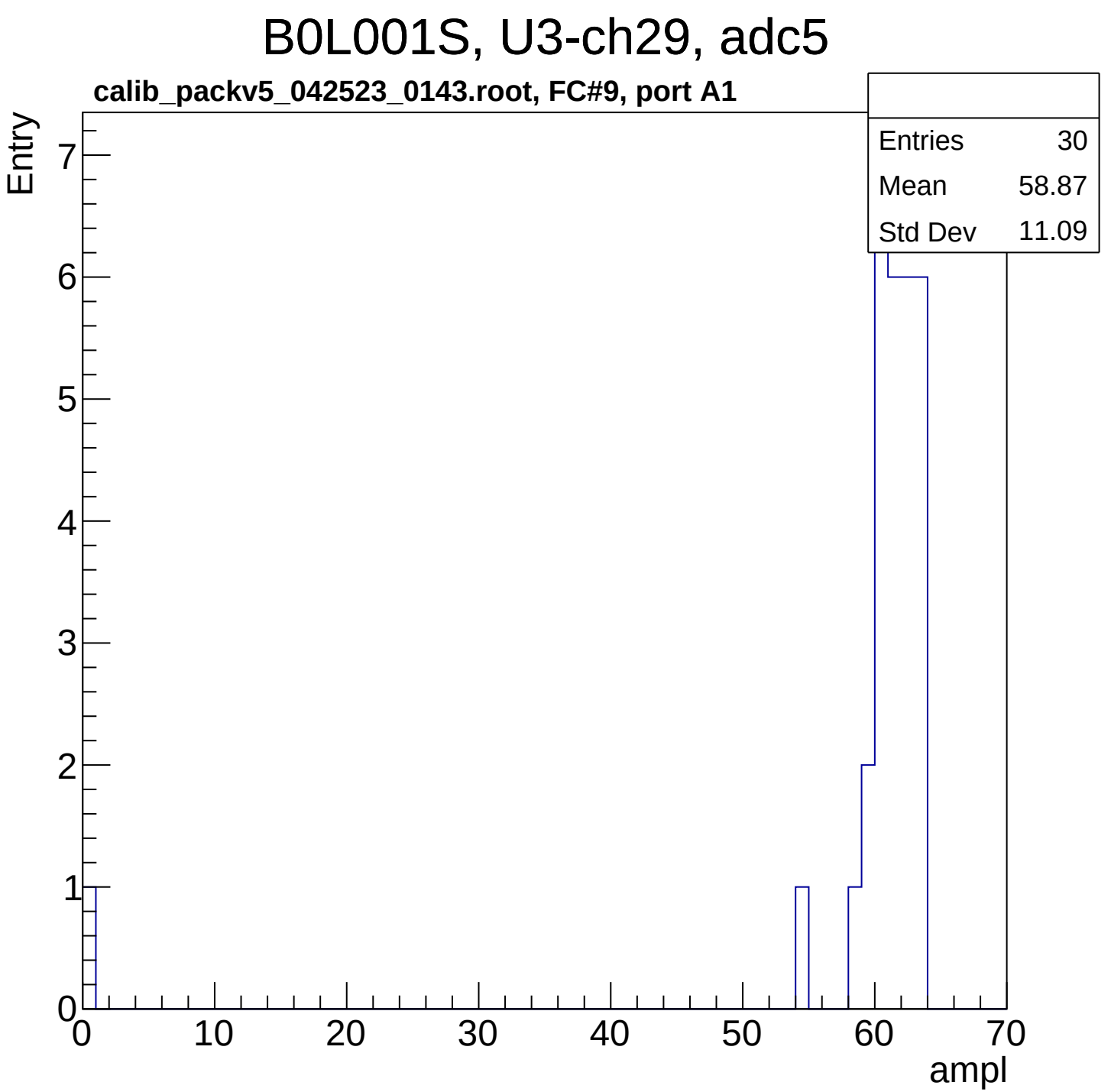
B0L001S, U3-ch29, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 30
Mean 58.87
Std Dev 11.09
Entry
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1
2
3
4
5
6
7
0
10
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30
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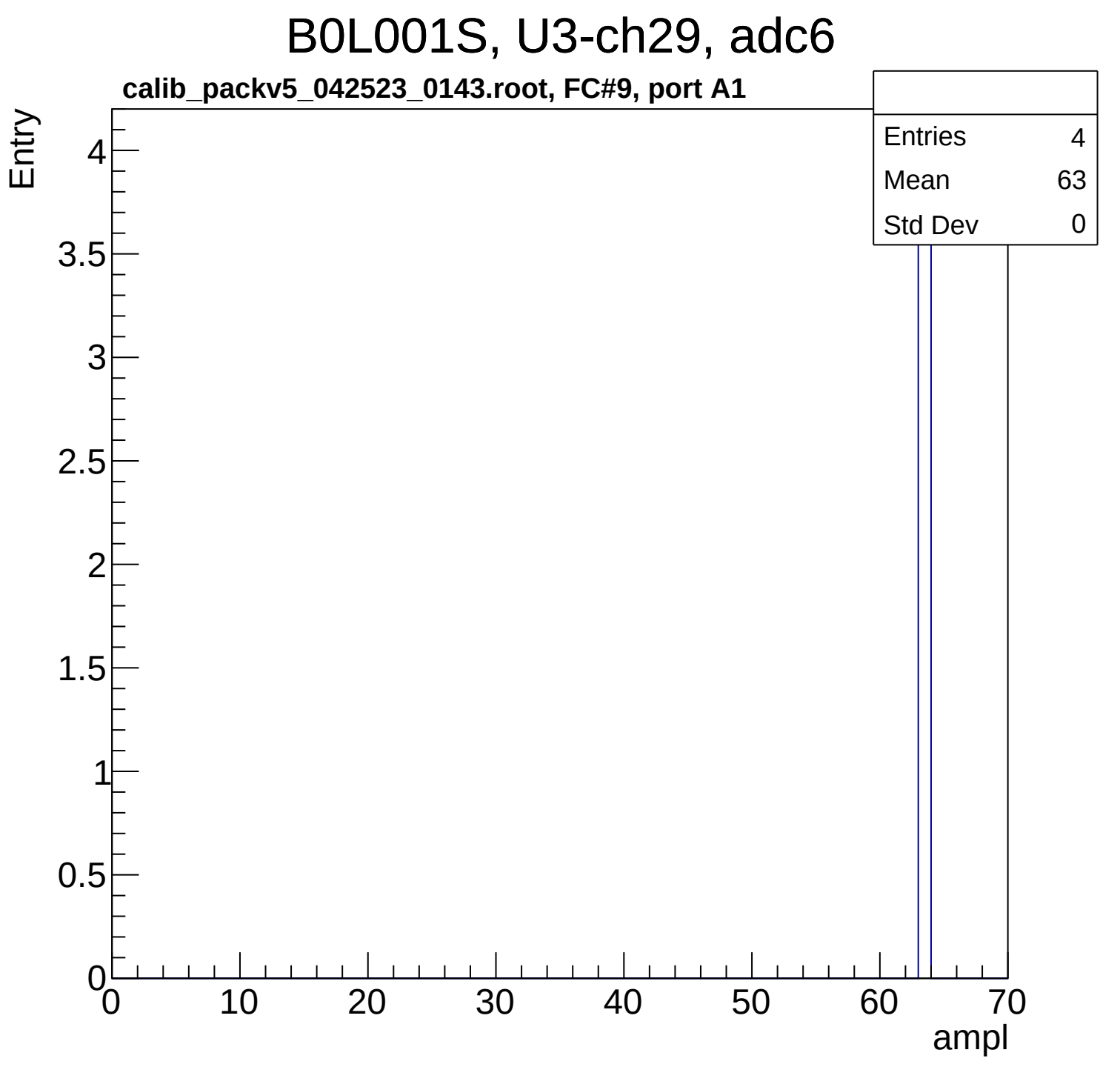
50
60
70
ampl


B0L001S, U3-ch29, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 63
Std Dev 0
Entry
ampl
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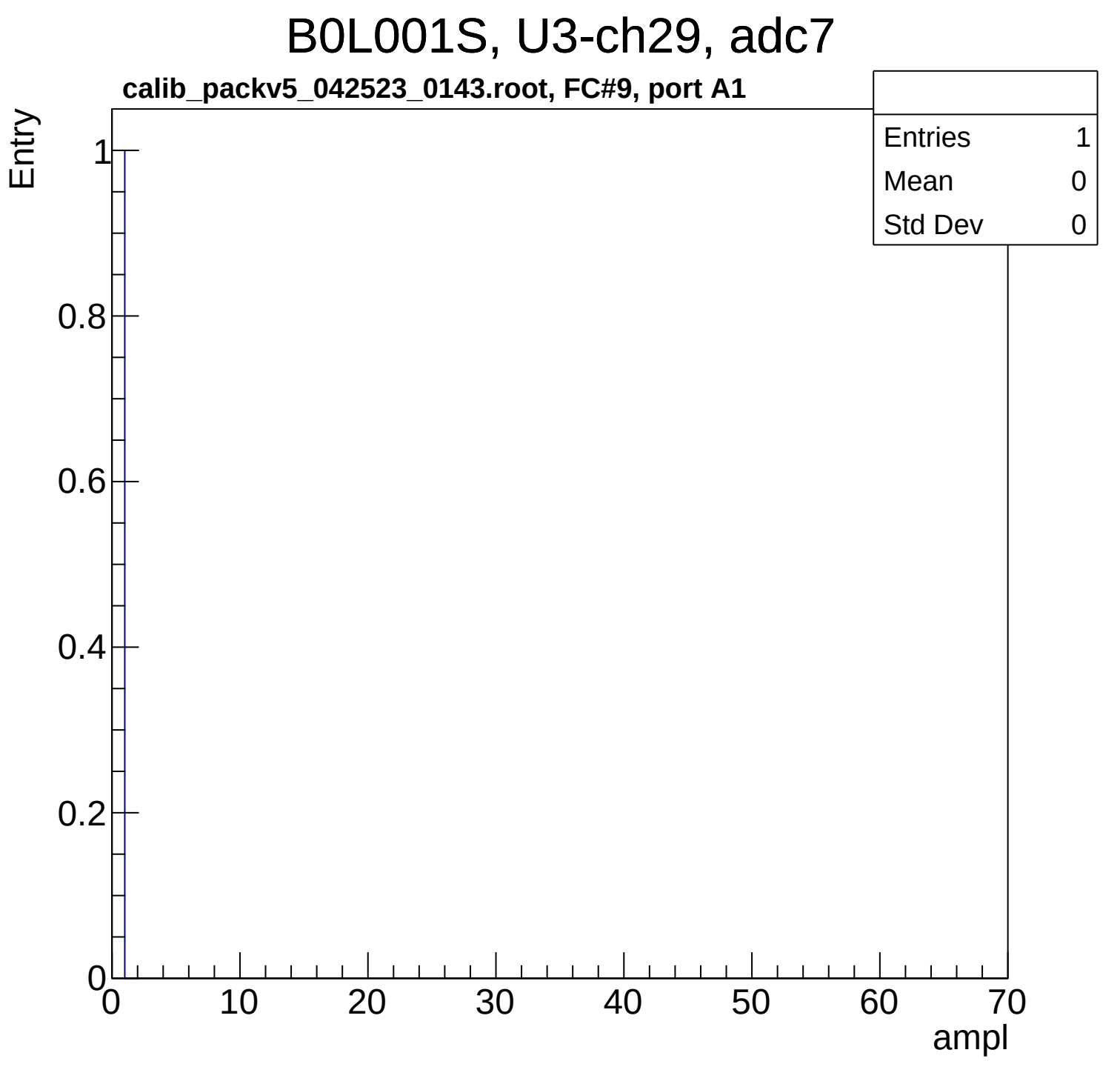
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch29, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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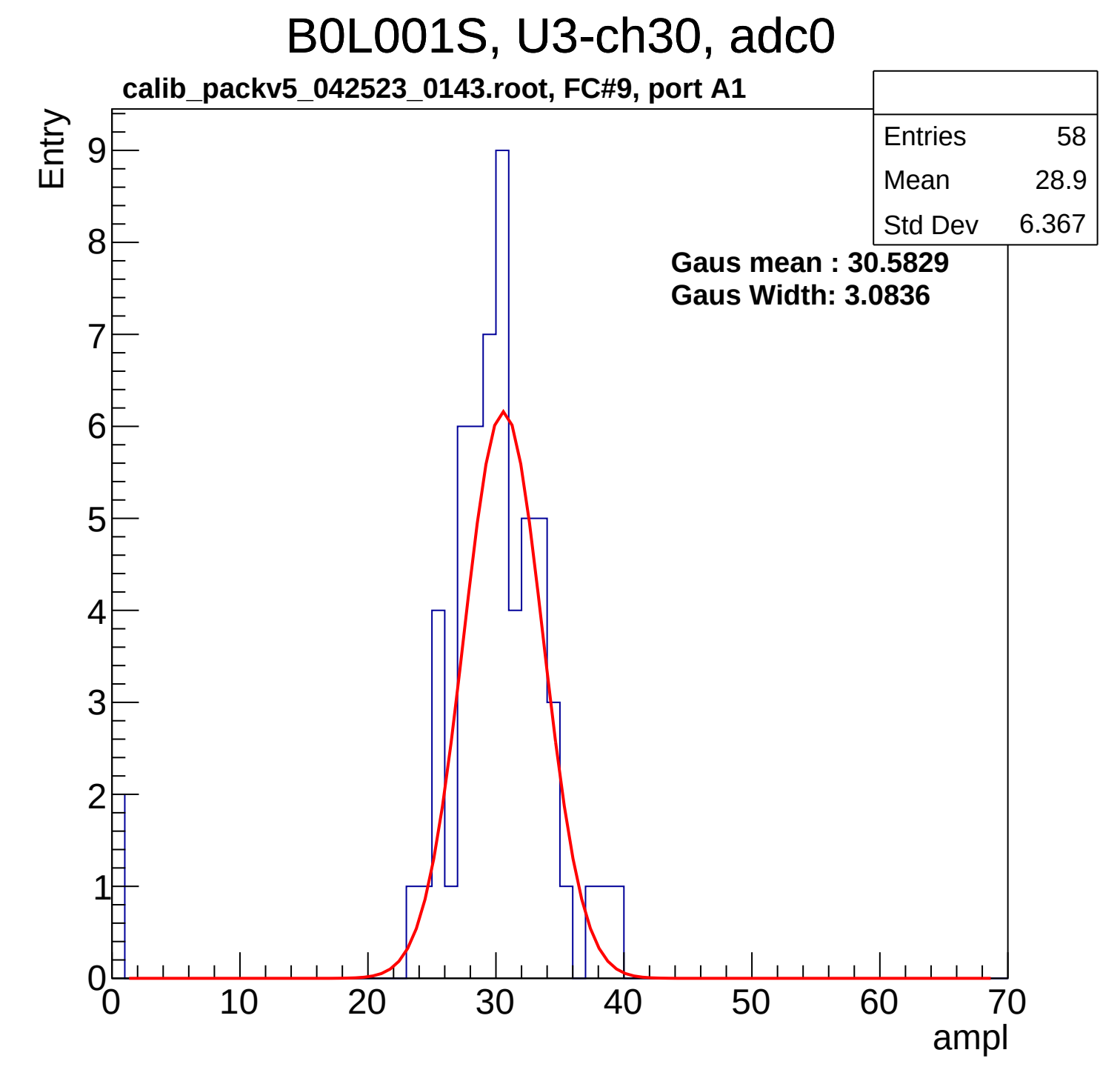
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch30, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 28.9
Std Dev 6.367
Gaus mean : 30.5829
Gaus Width: 3.0836
Entry
ampl
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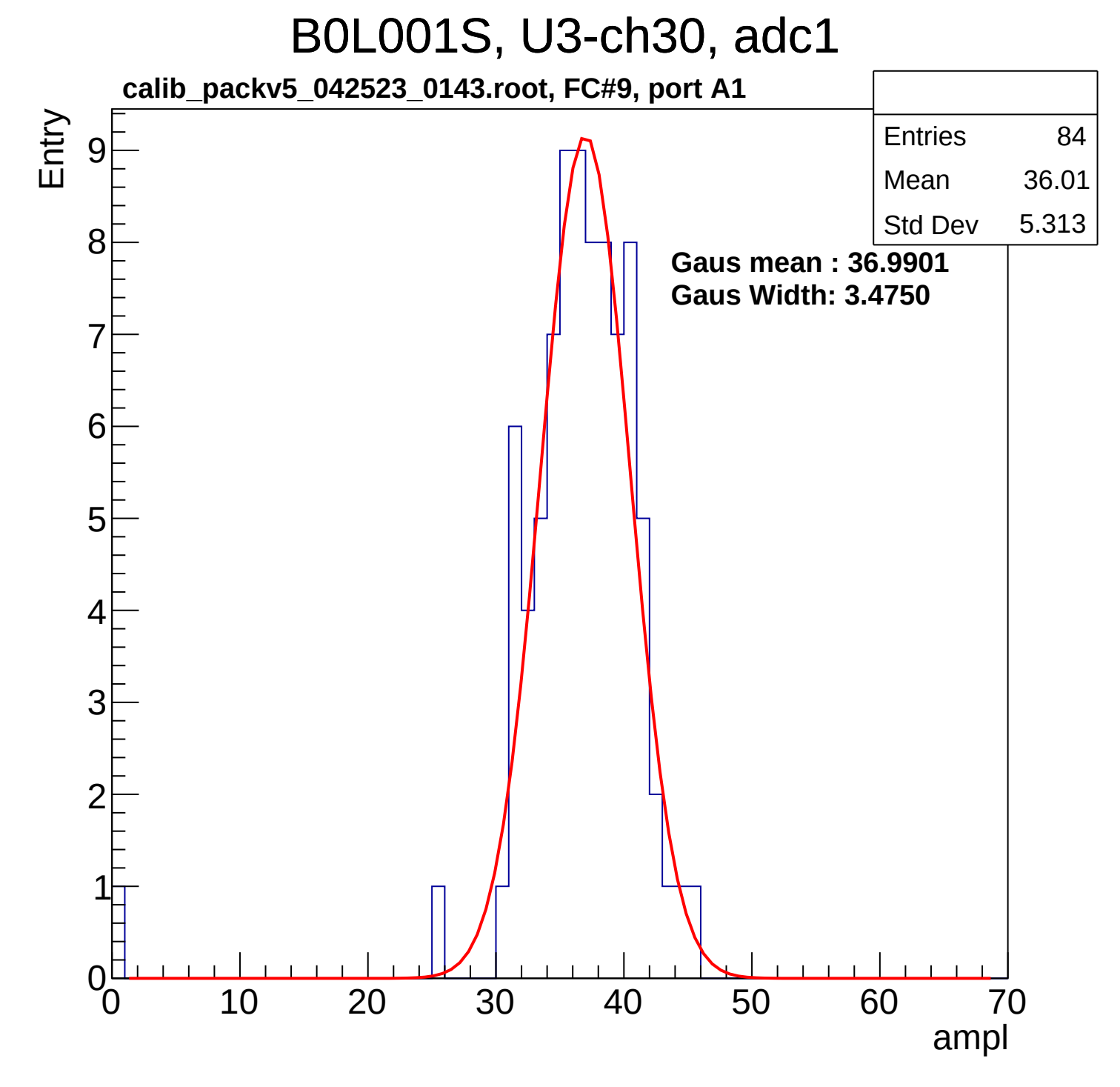
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch30, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 84
Mean 36.01
Std Dev 5.313
Gaus mean : 36.9901
Gaus Width: 3.4750
Entry
ampl
0
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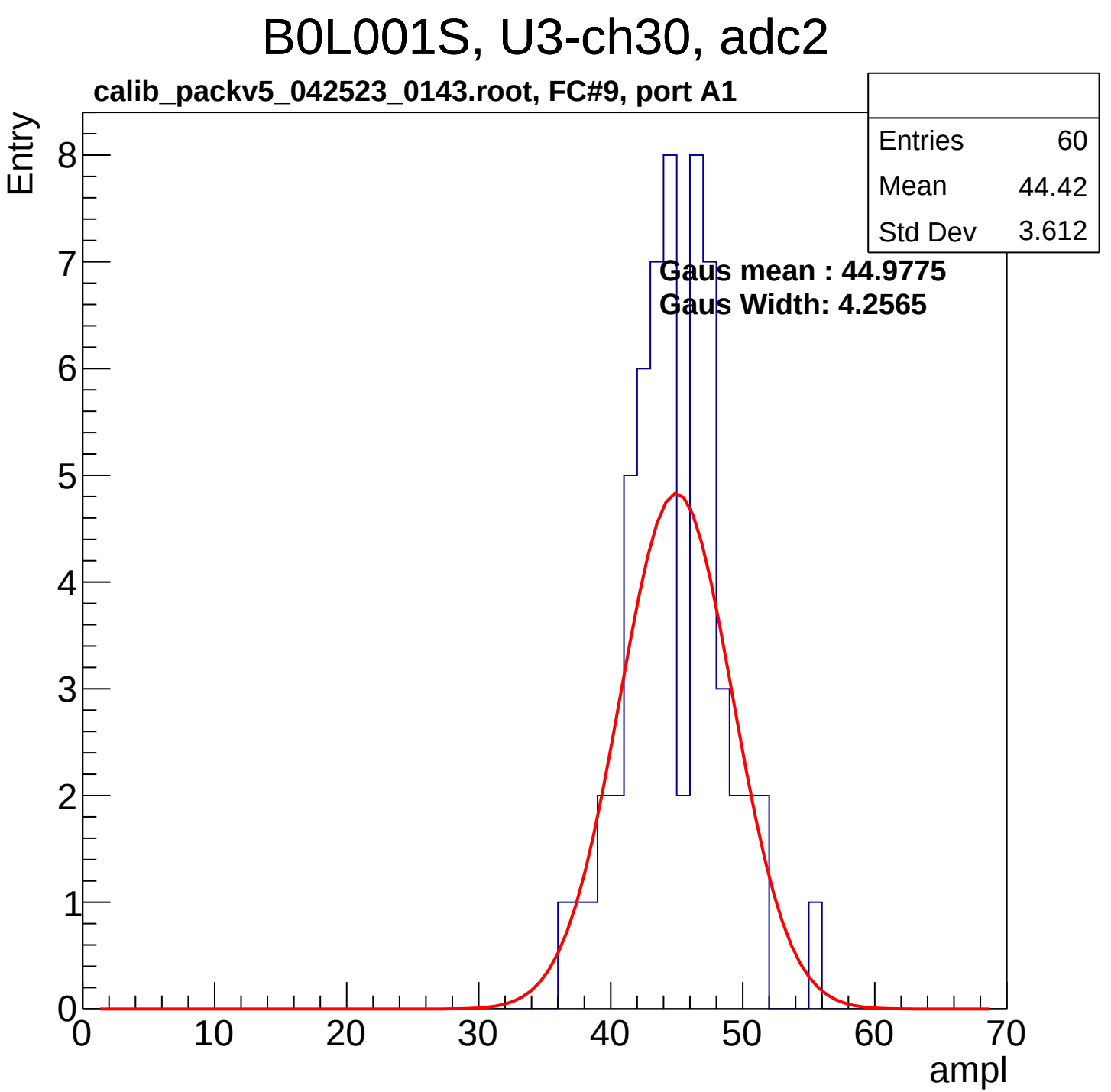
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch30, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 44.42
Std Dev 3.612
Gaus mean : 44.9775
Gaus Width: 4.2565
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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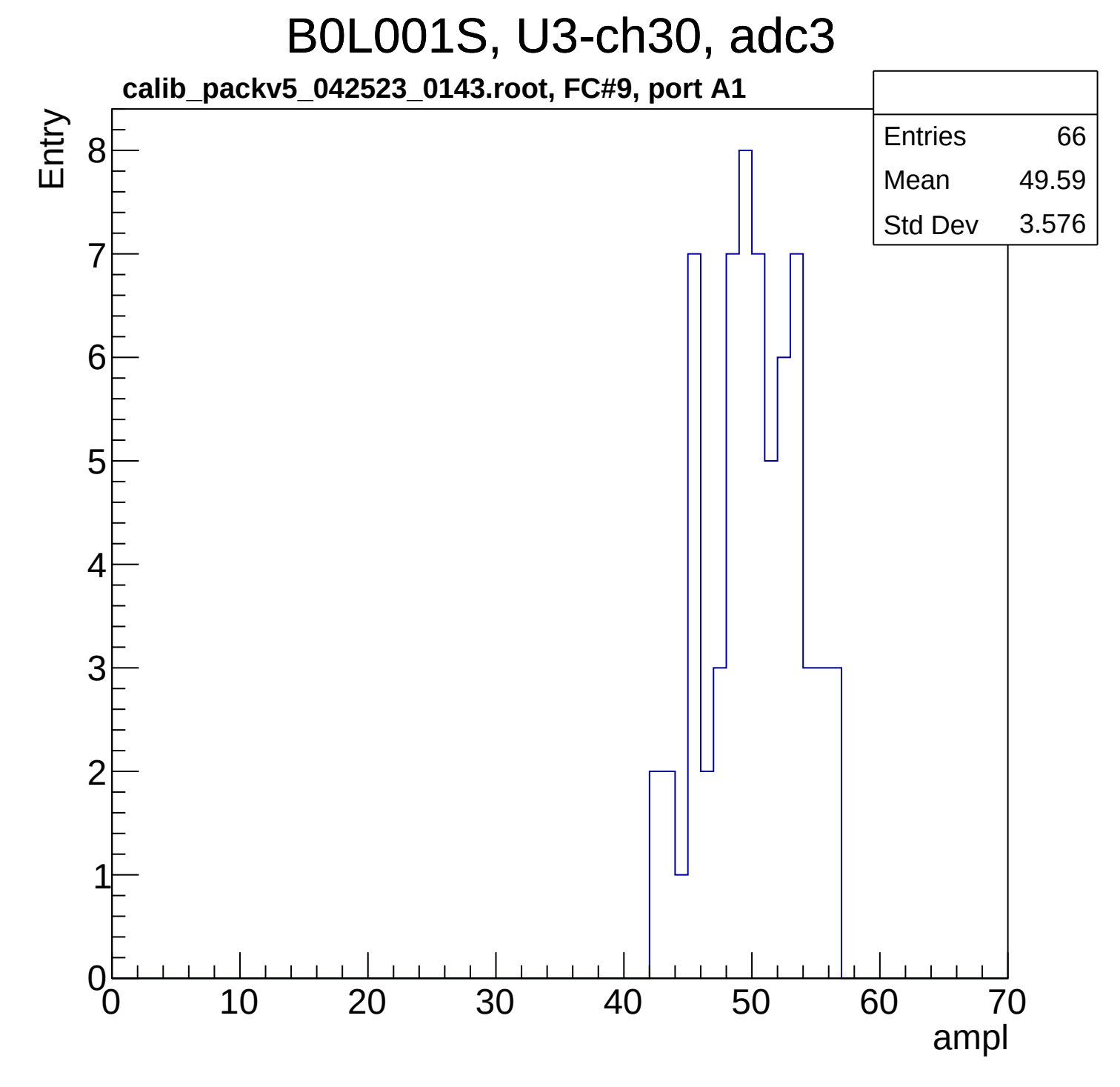
B0L001S, U3-ch30, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 49.59
Std Dev 3.576
Entry
ampl
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1
2
3
4
5
6
7
8
0
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60
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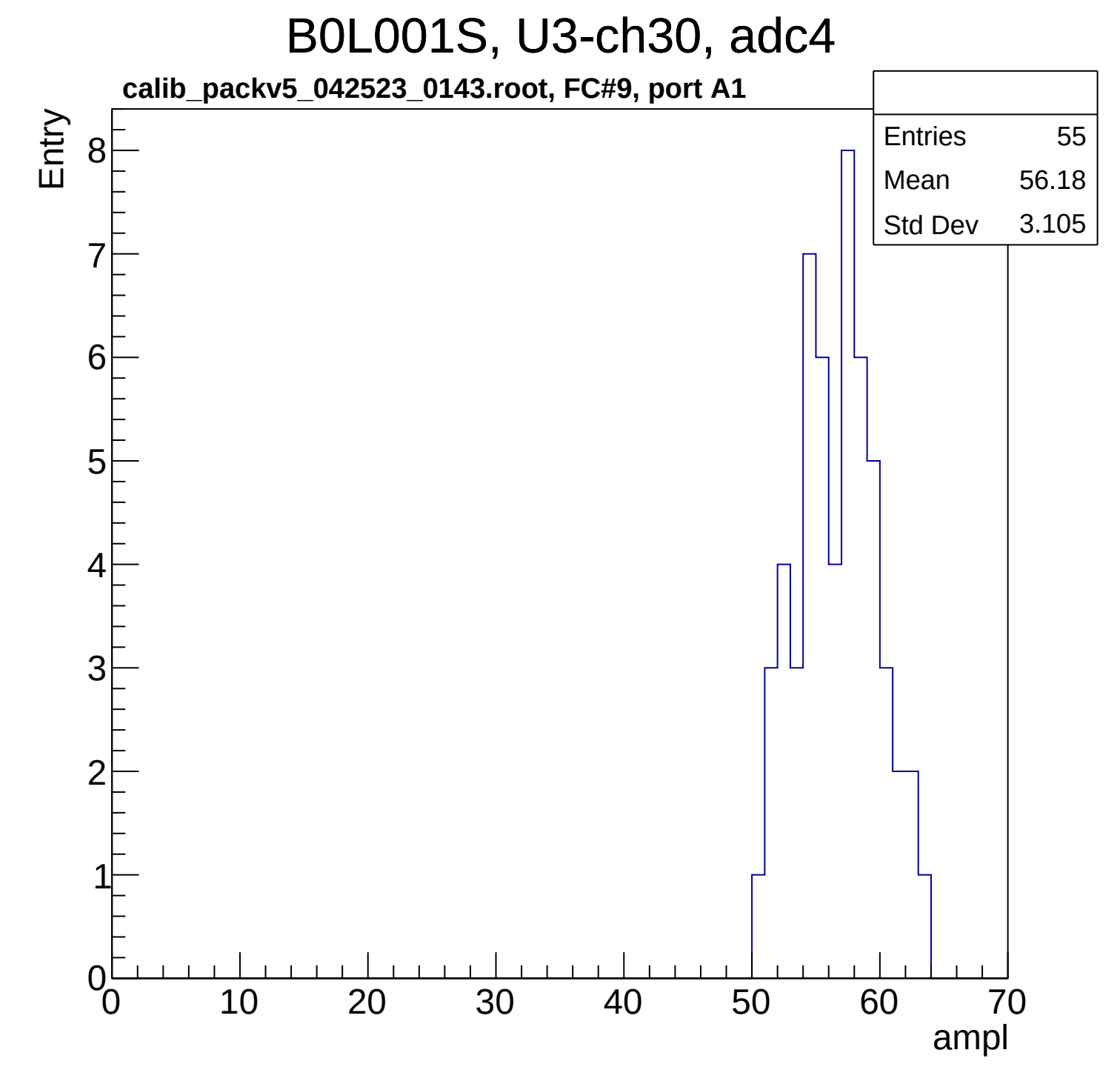
B0L001S, U3-ch30, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 56.18
Std Dev 3.105
Entry
ampl
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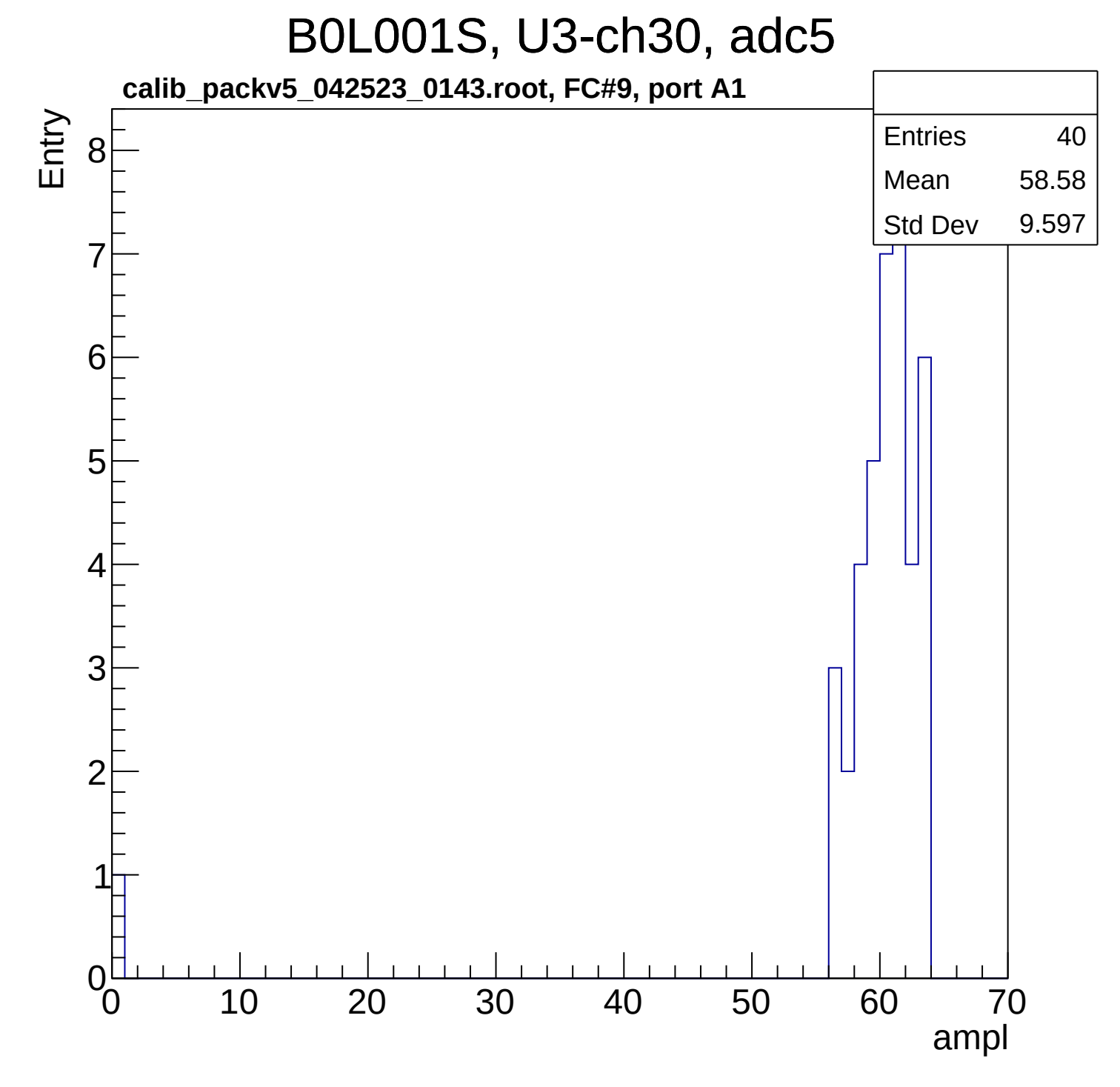
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch30, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 58.58
Std Dev 9.597
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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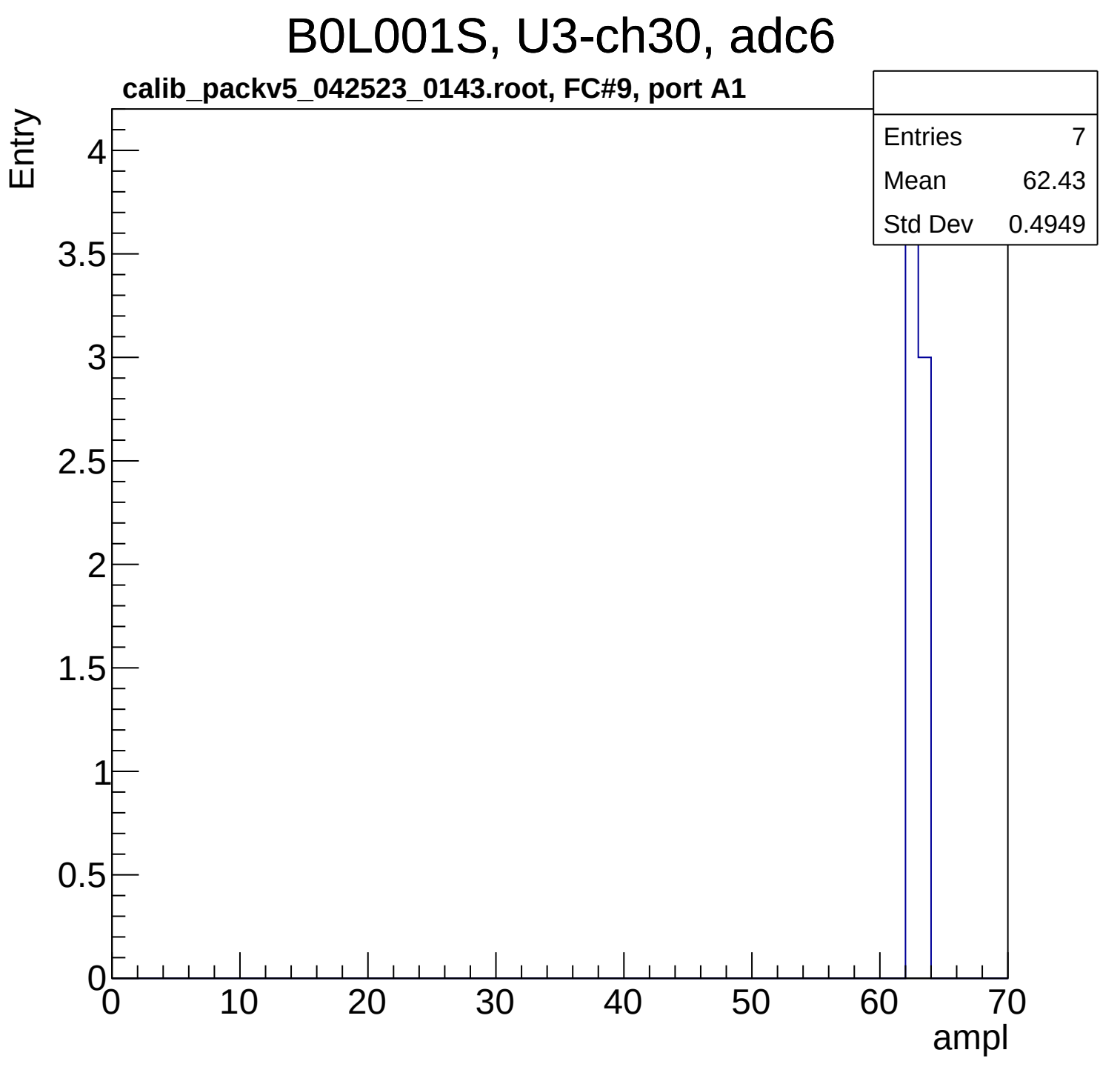
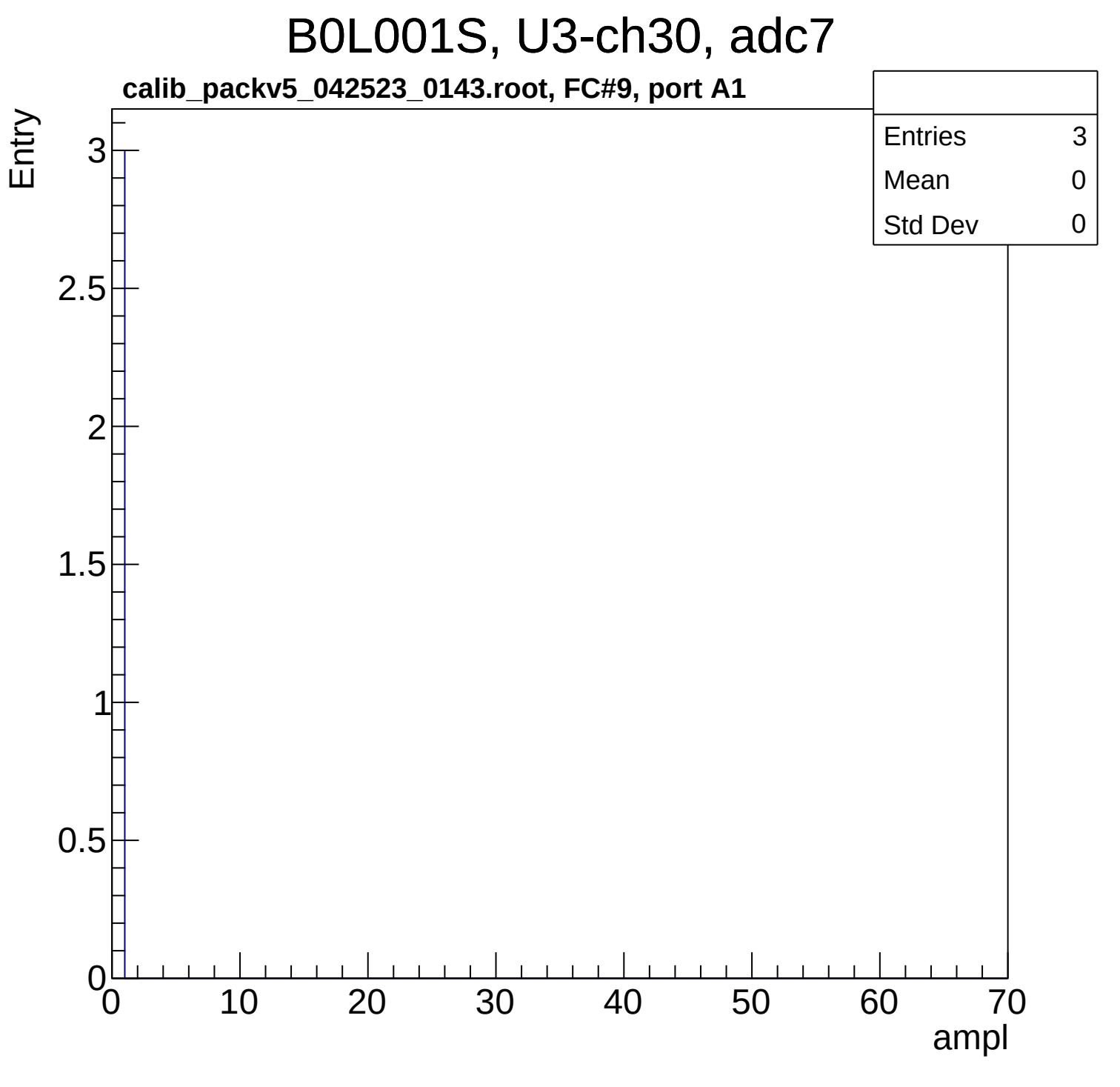
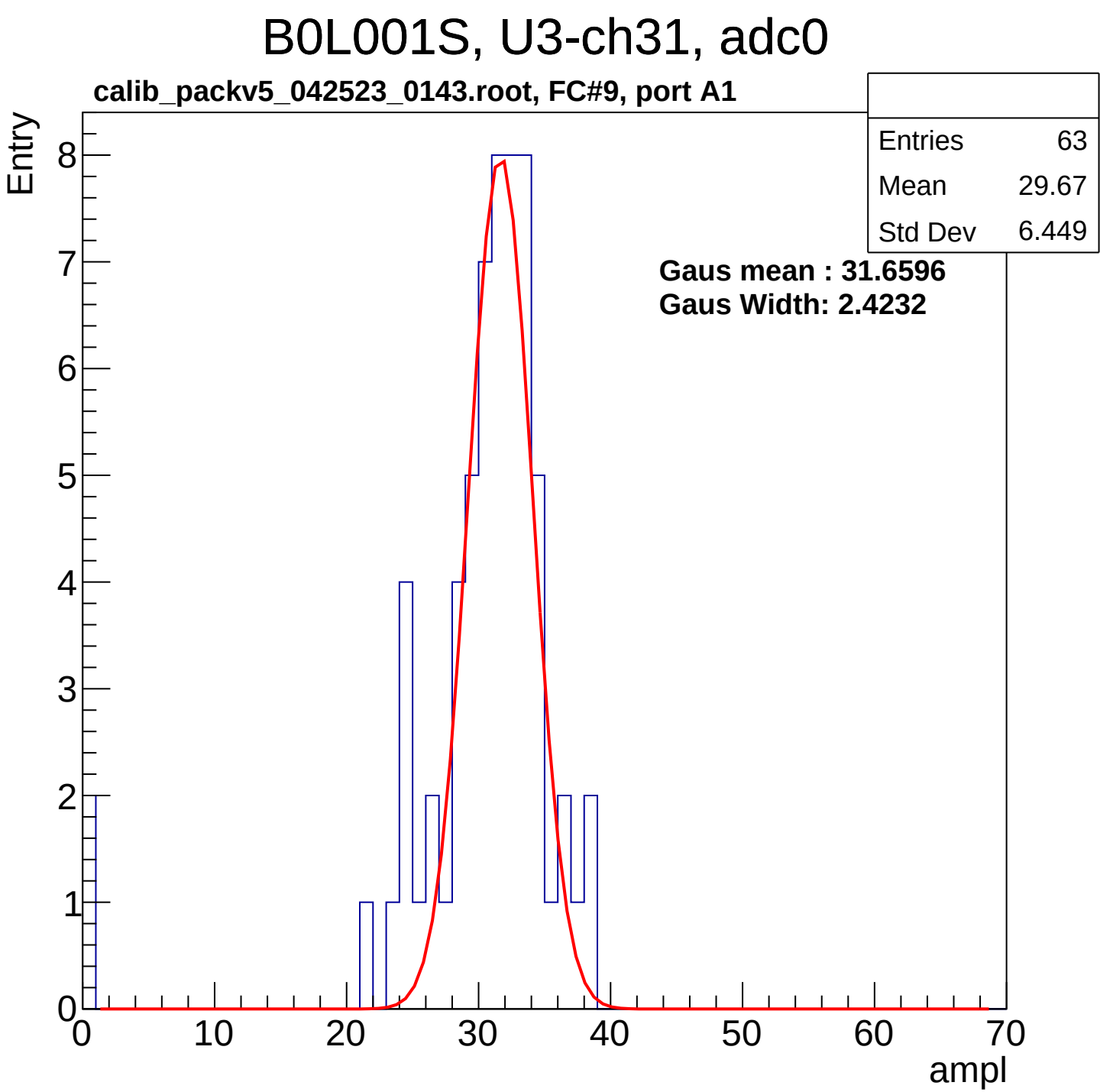
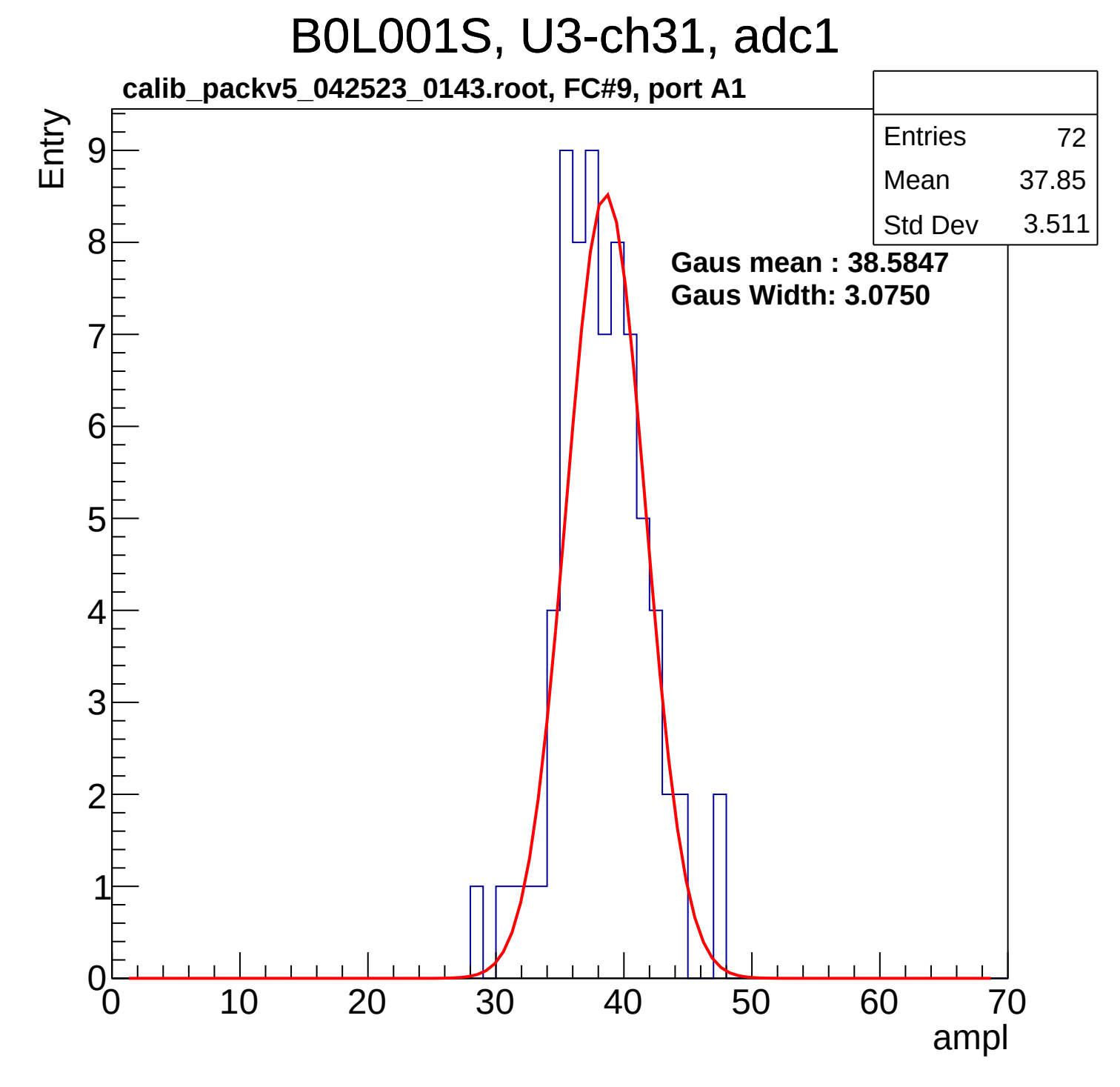
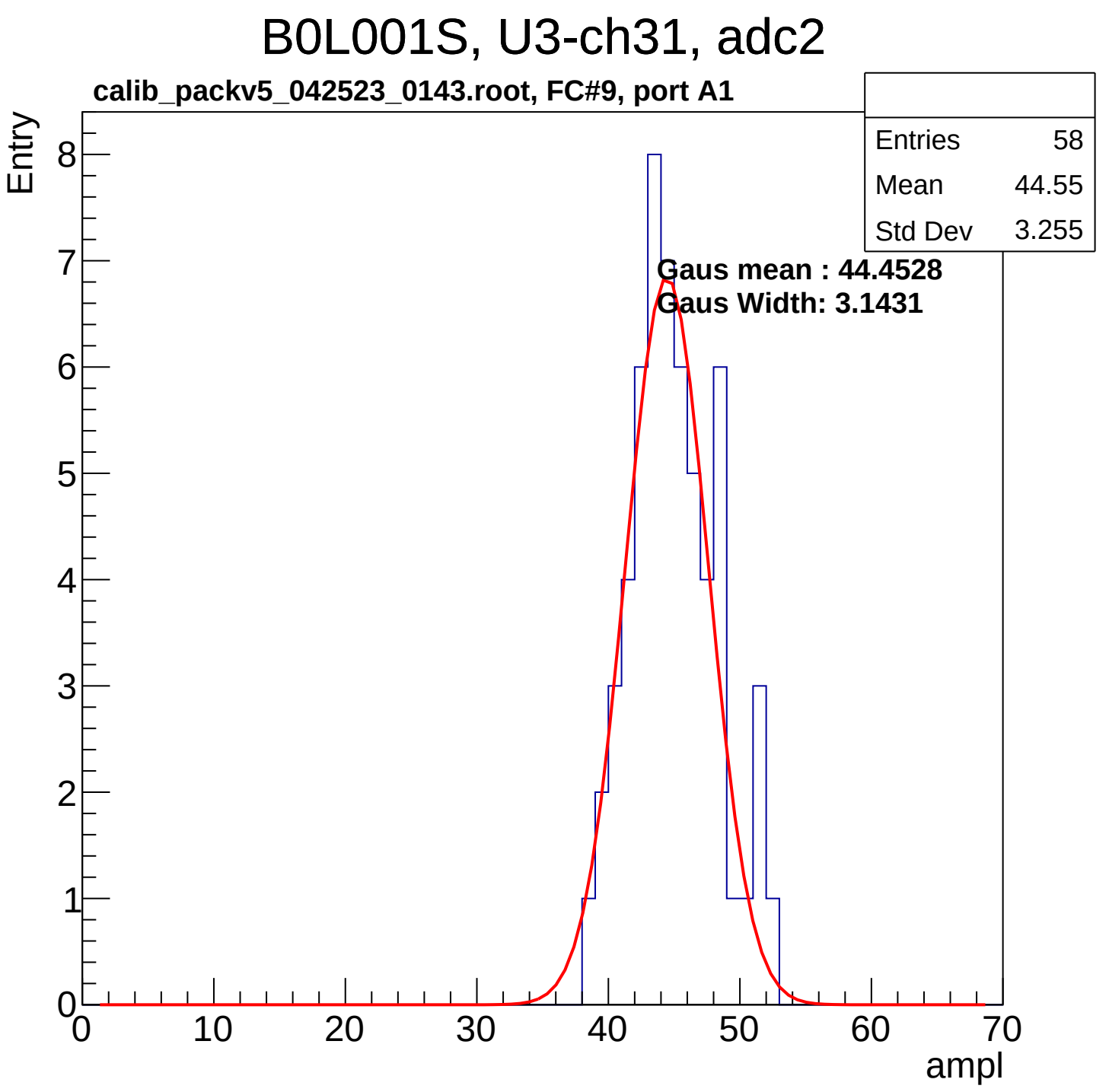
60
70

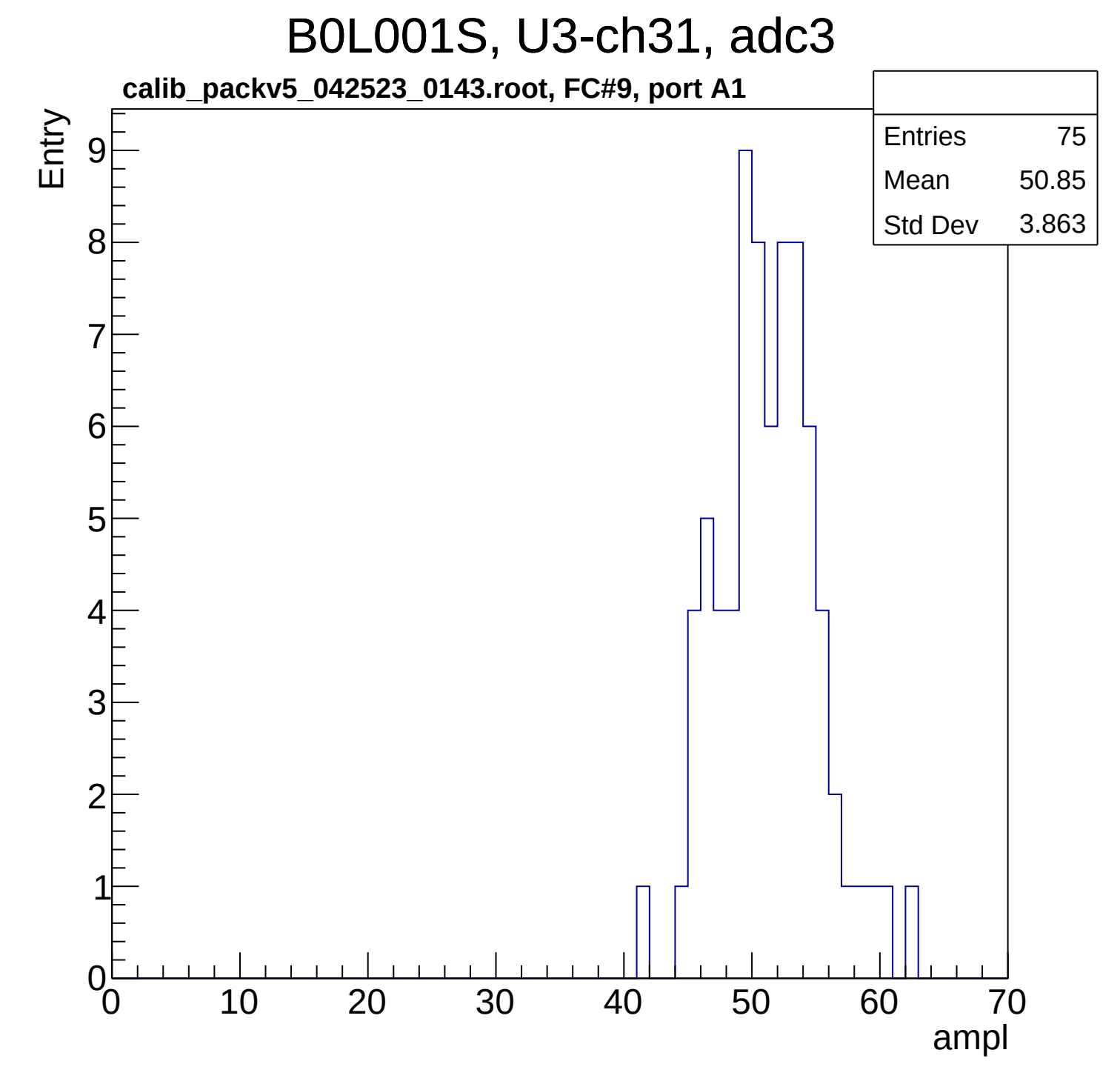

B0L001S, U3-ch30, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 62.43
Std Dev 0.4949
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70

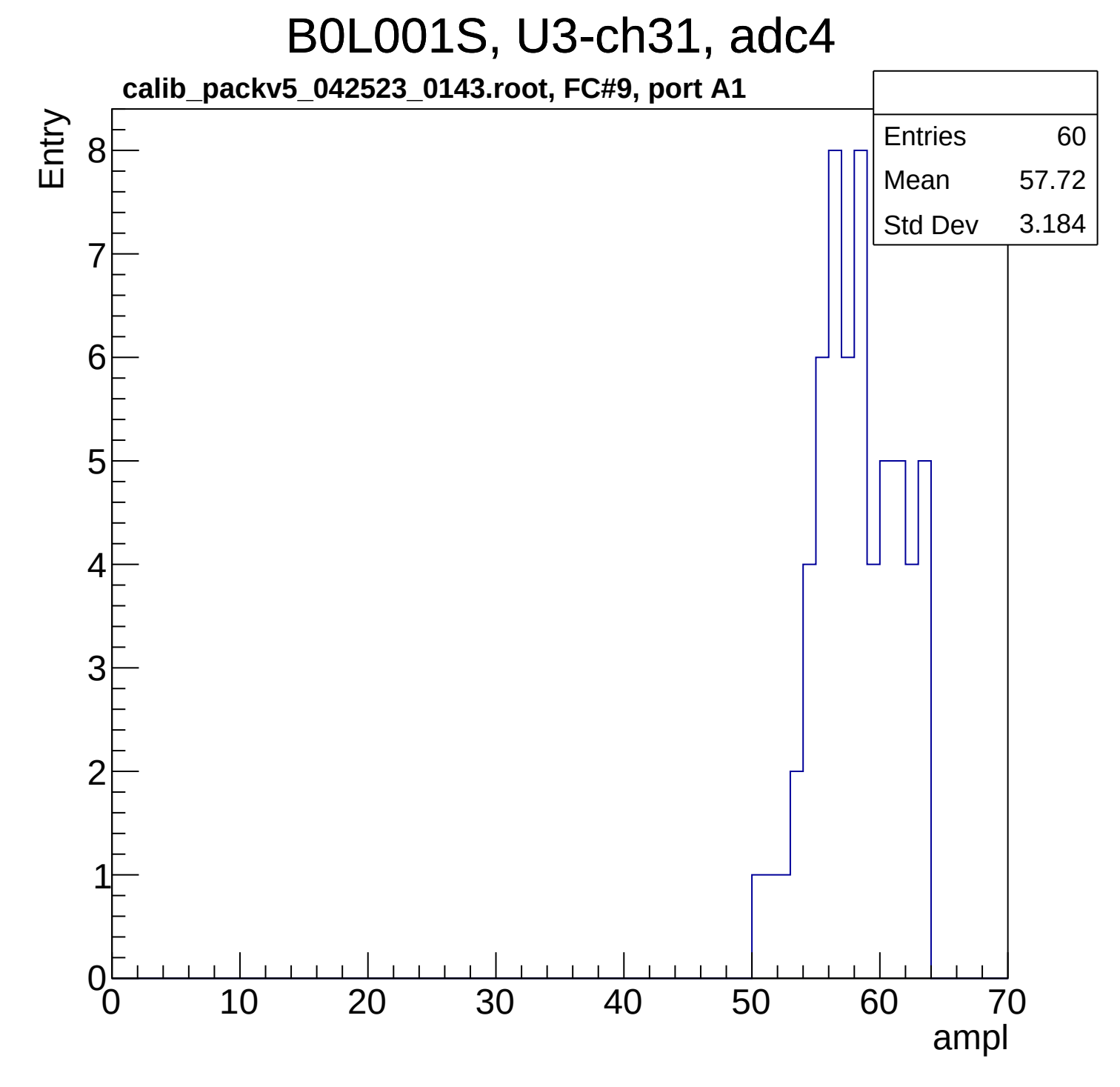

B0L001S, U3-ch30, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl

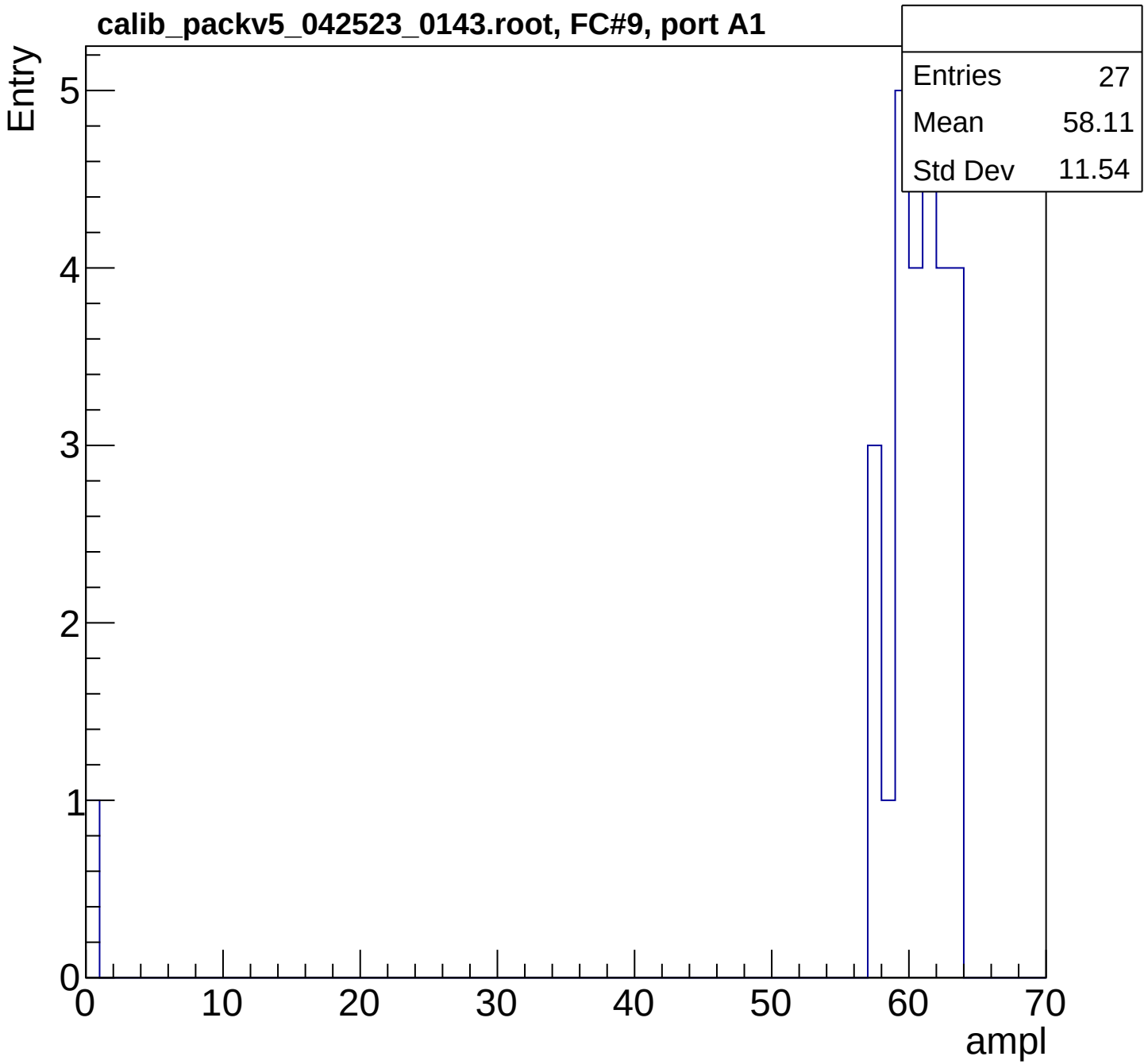

B0L001S, U3-ch31, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 29.67
Std Dev 6.449
Gaus mean : 31.6596
Gaus Width: 2.4232
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

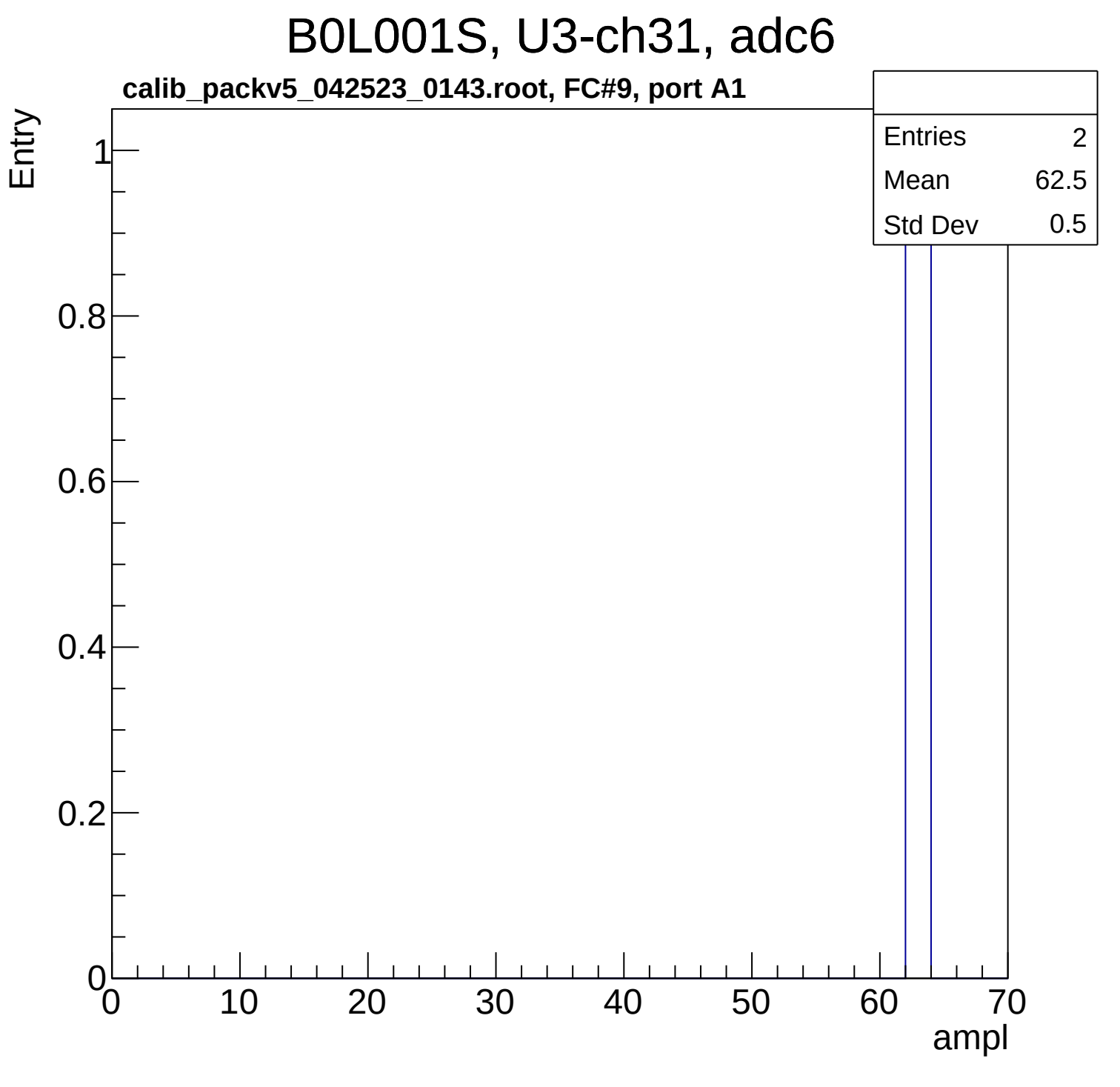

B0L001S, U3-ch31, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 37.85
Std Dev 3.511
Gaus mean : 38.5847
Gaus Width: 3.0750
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

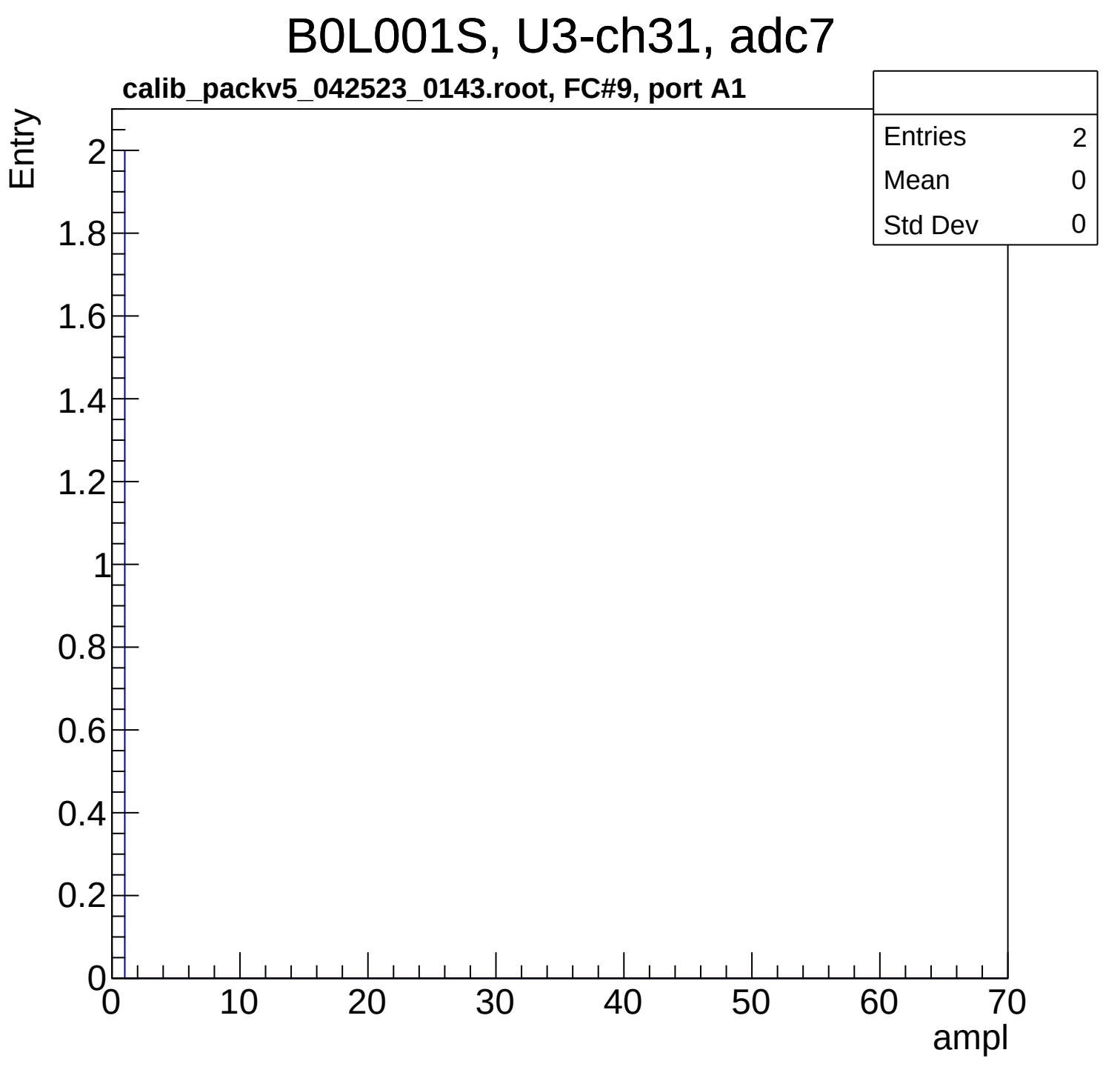

B0L001S, U3-ch31, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 44.55
Std Dev 3.255
Gaus mean : 44.4528
Gaus Width: 3.1431
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

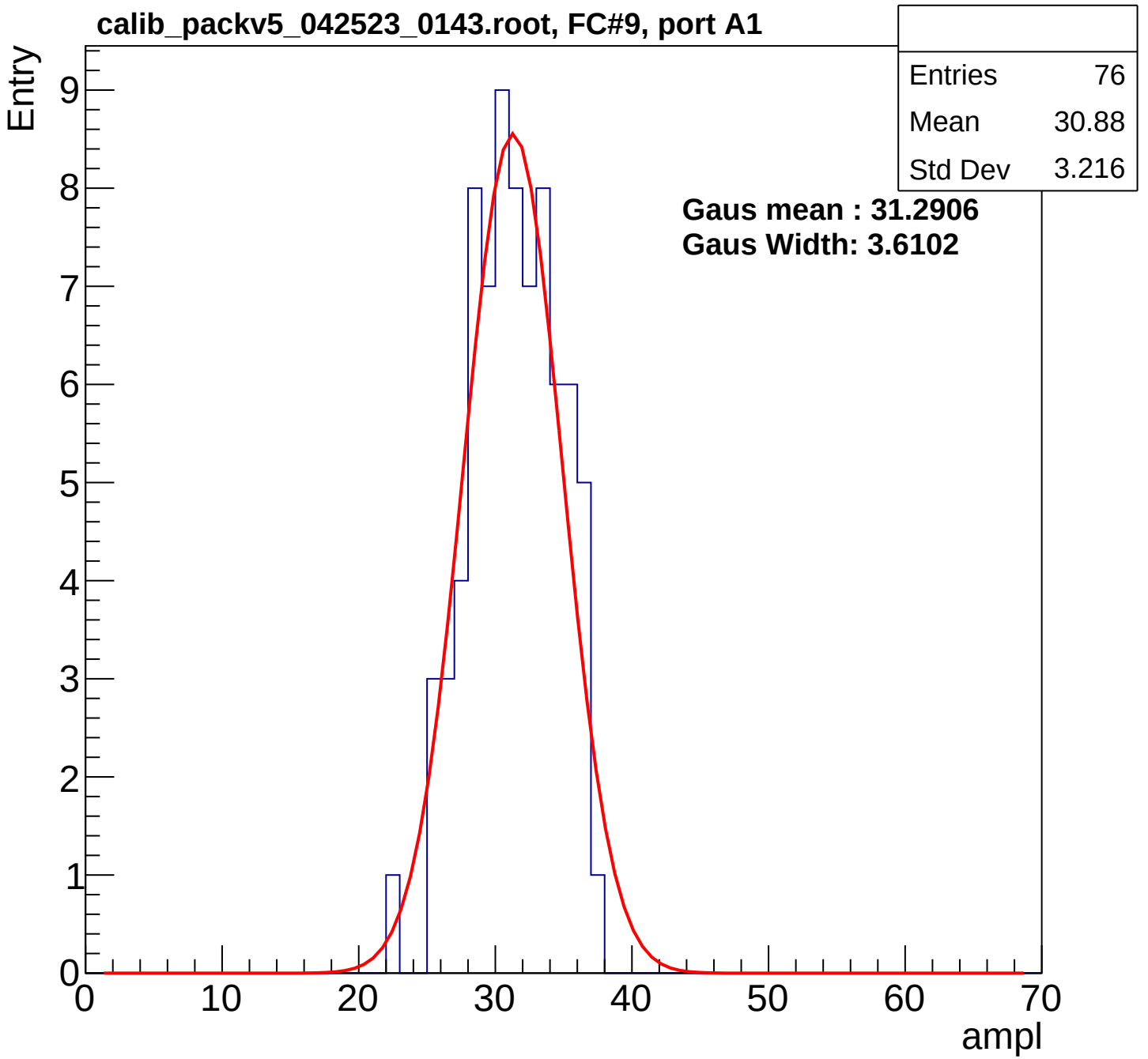

B0L001S, U3-ch31, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 50.85
Std Dev 3.863
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

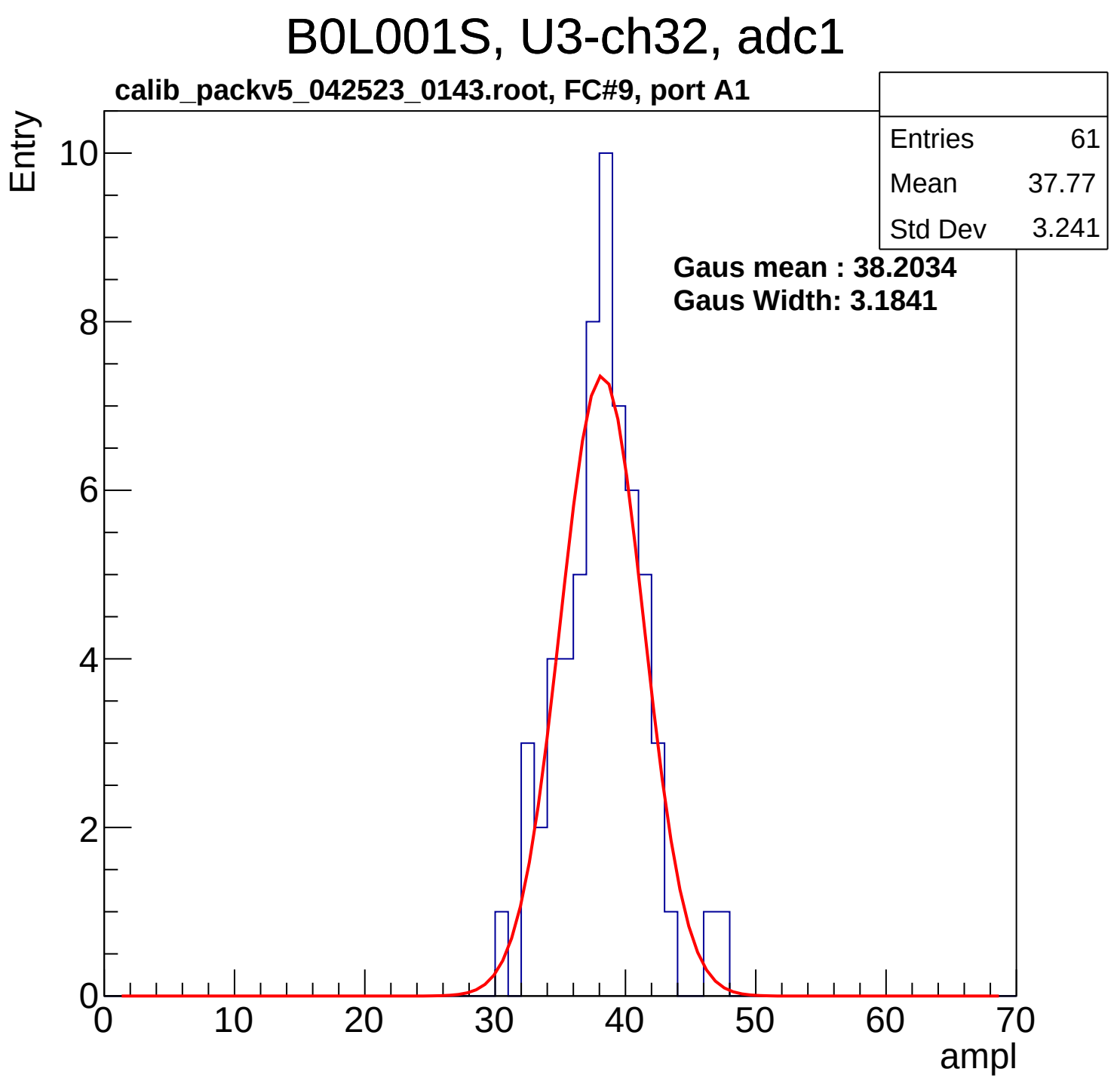

B0L001S, U3-ch31, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 57.72
Std Dev 3.184
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

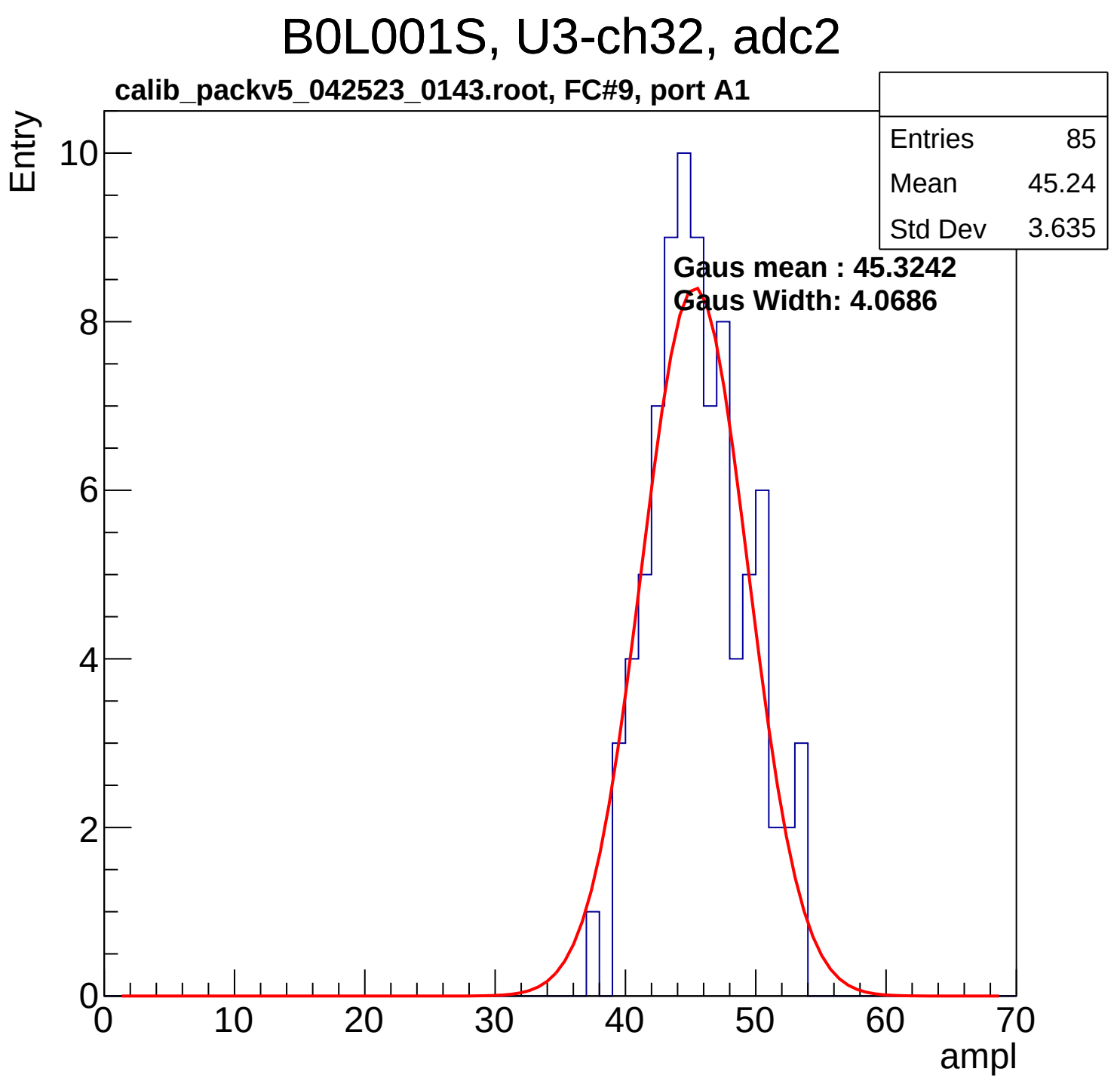

B0L001S, U3-ch31, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 27
Mean 58.11
Std Dev 11.54
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl

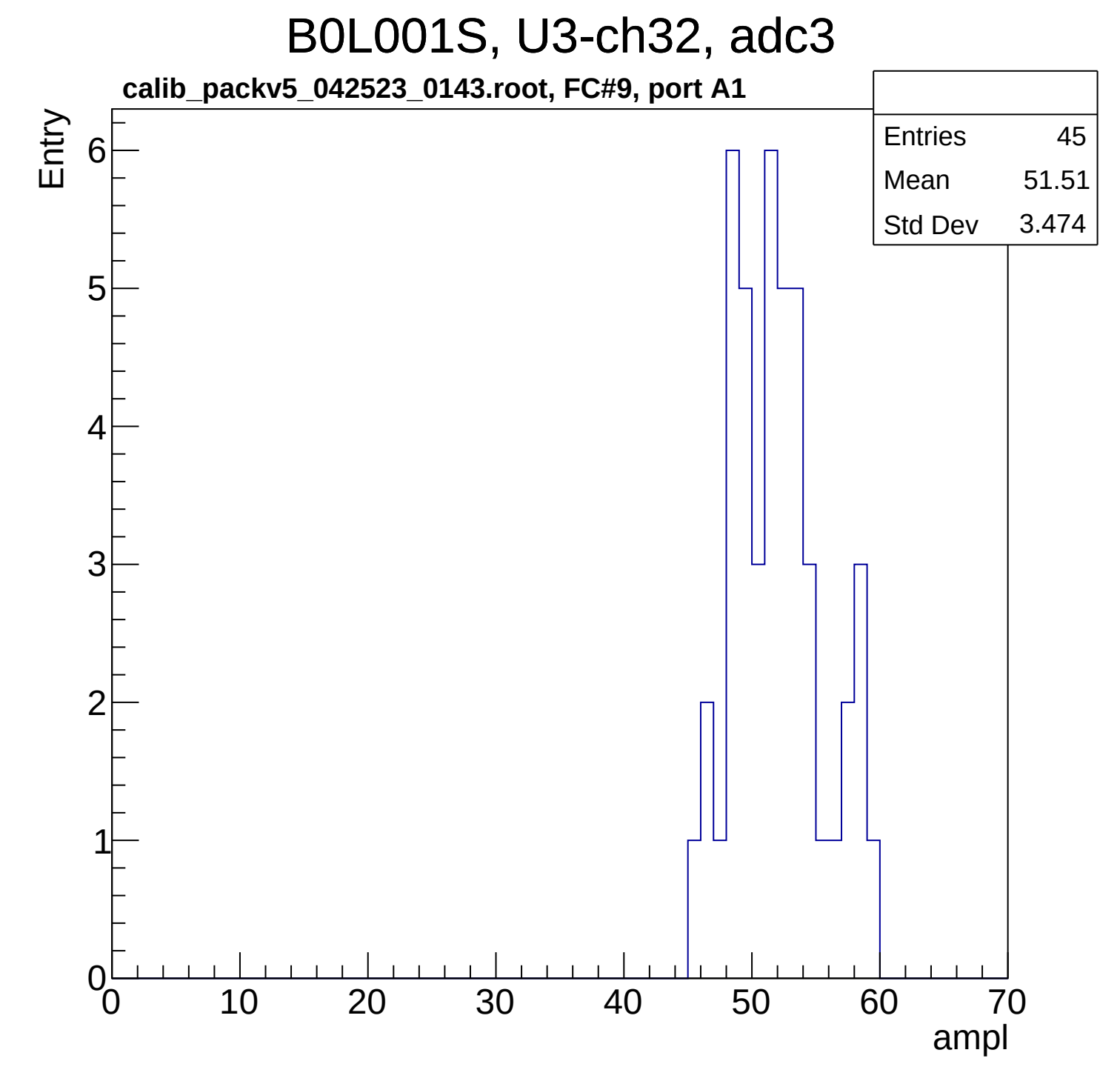

B0L001S, U3-ch31, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62.5
Std Dev 0.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

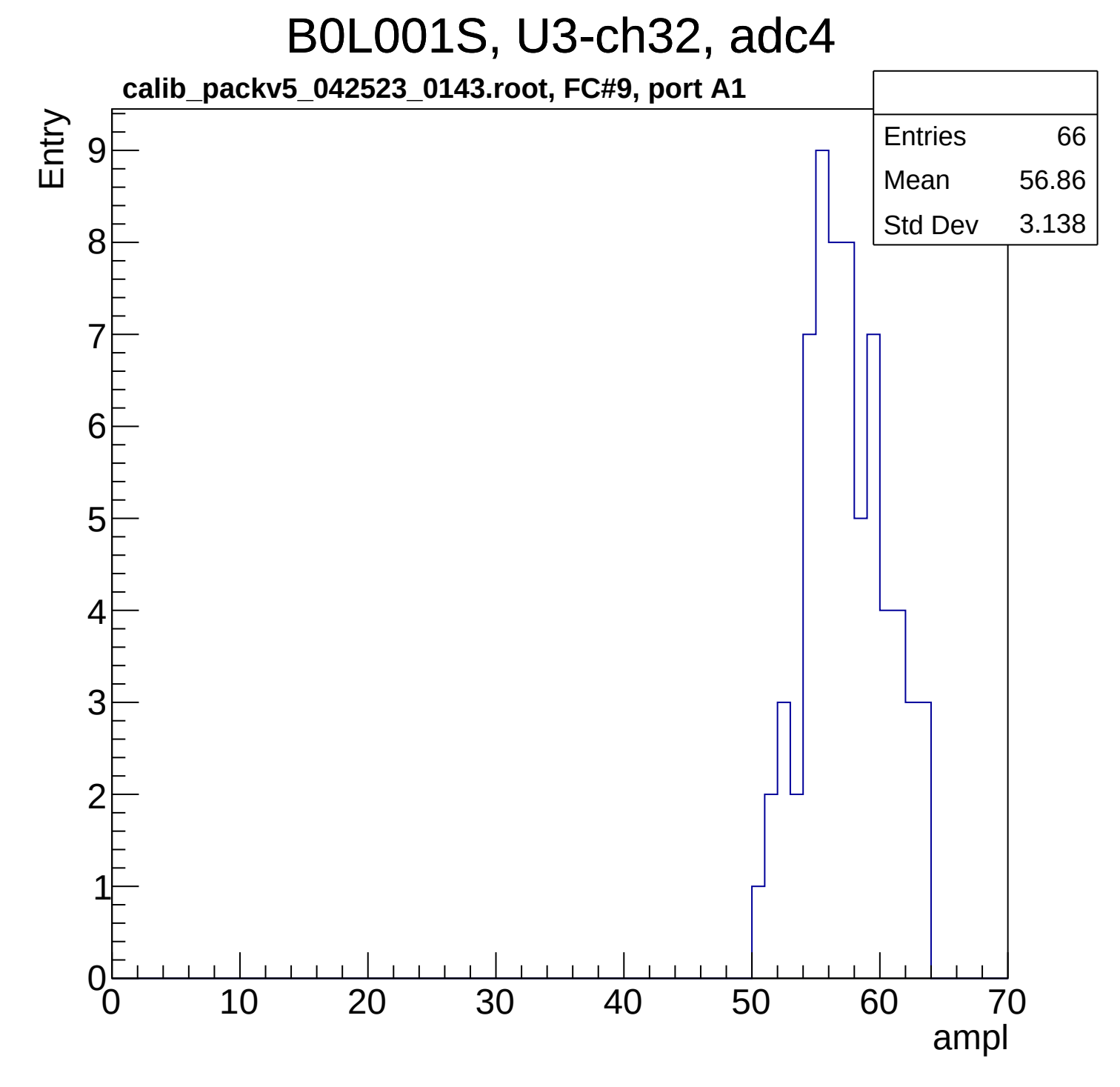

B0L001S, U3-ch31, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

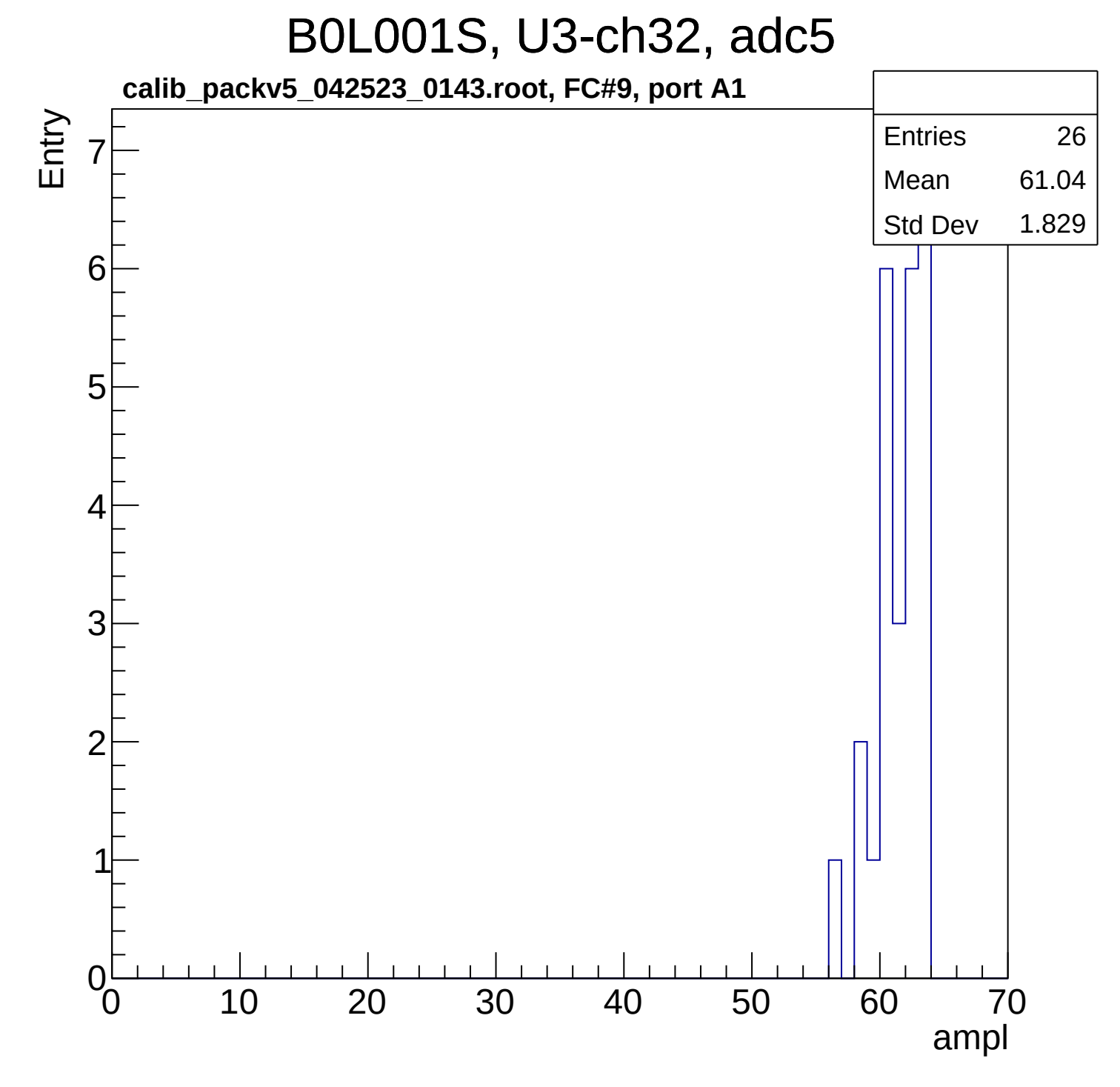

B0L001S, U3-ch32, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 30.88
Std Dev 3.216
Gaus mean : 31.2906
Gaus Width: 3.6102
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9

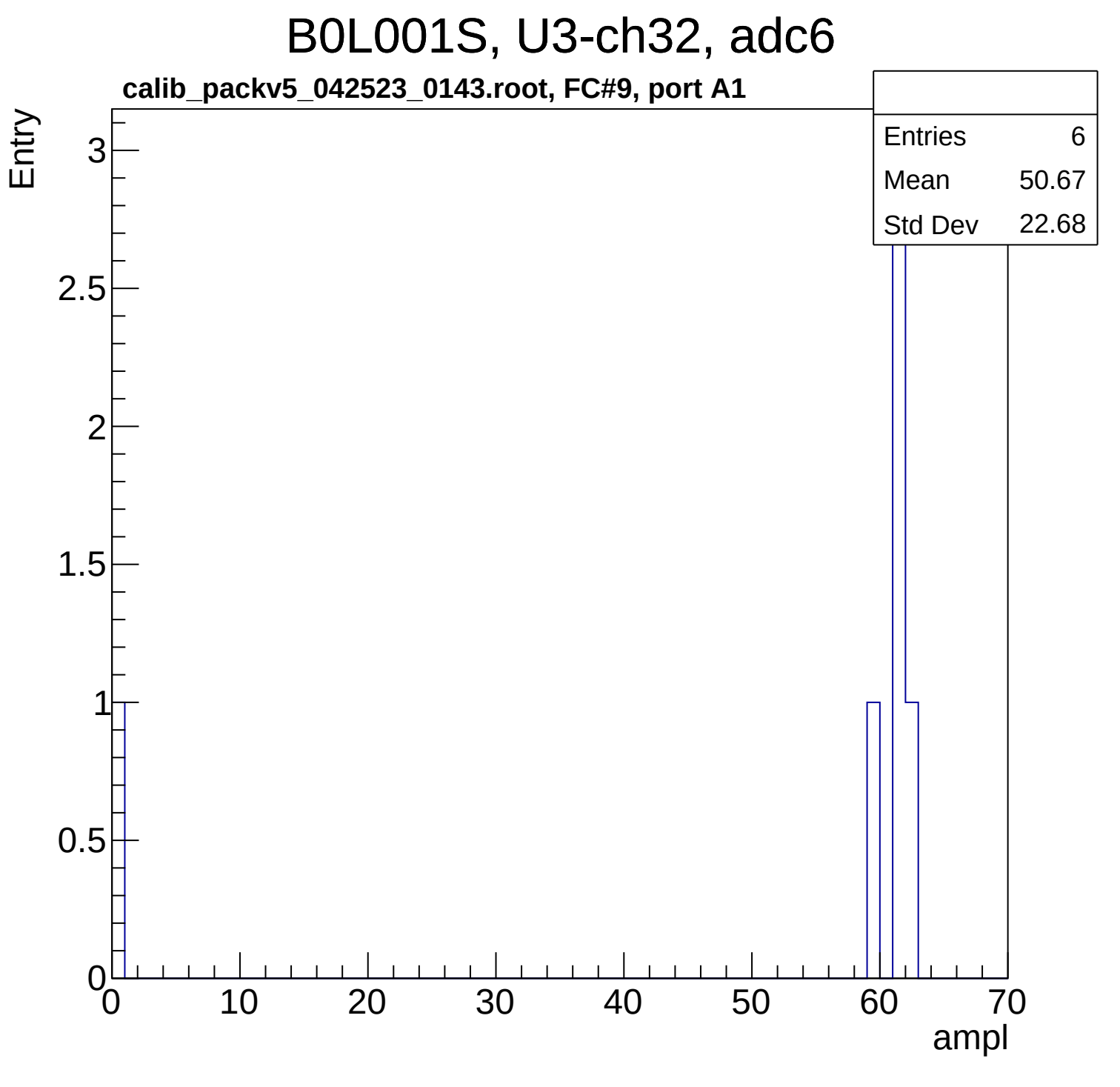

B0L001S, U3-ch32, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 37.77
Std Dev 3.241
Gaus mean : 38.2034
Gaus Width: 3.1841
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

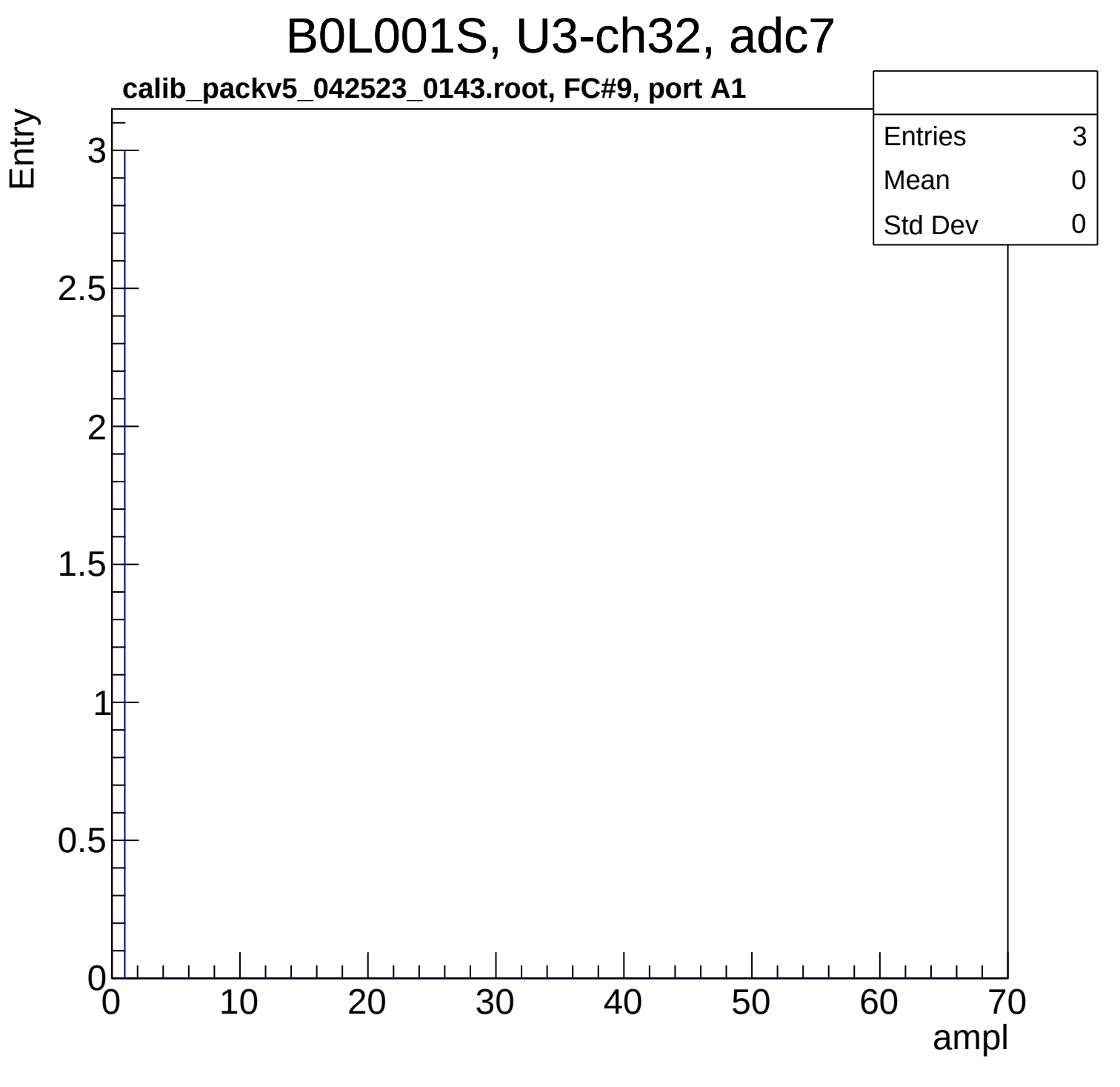

B0L001S, U3-ch32, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 85
Mean 45.24
Std Dev 3.635
Gaus mean : 45.3242
Gaus Width: 4.0686
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

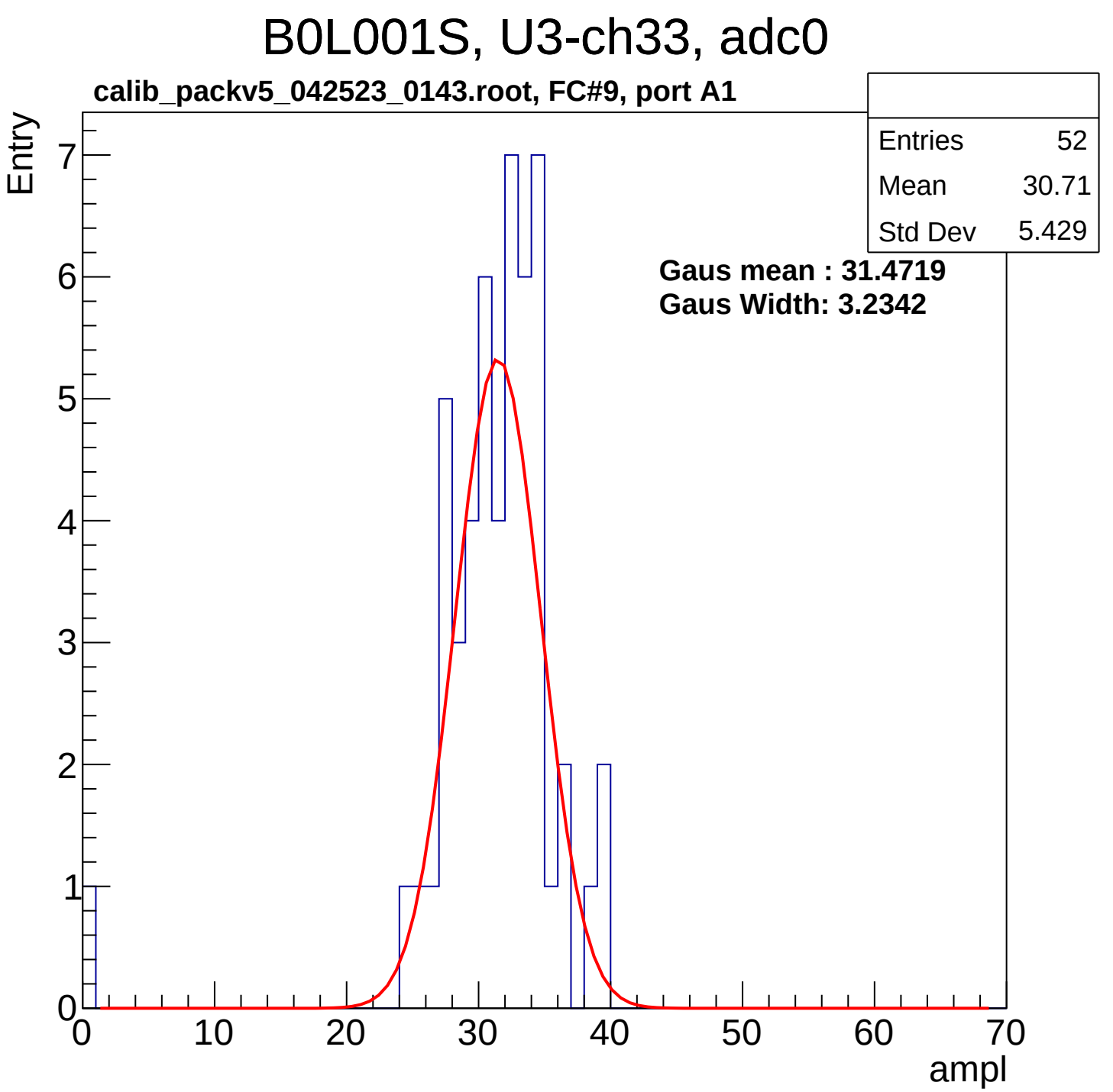

B0L001S, U3-ch32, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 51.51
Std Dev 3.474
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

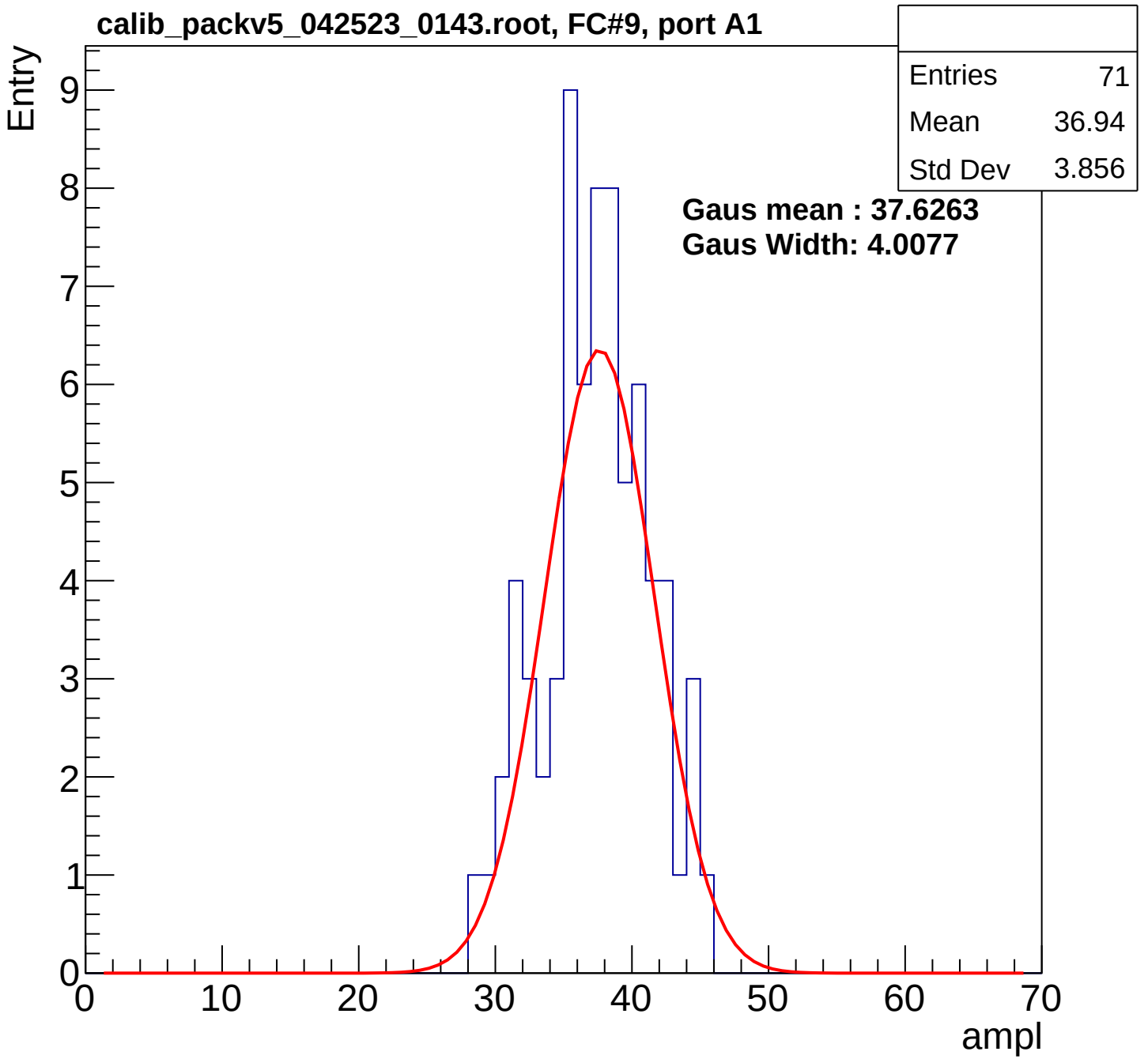

B0L001S, U3-ch32, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 56.86
Std Dev 3.138
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

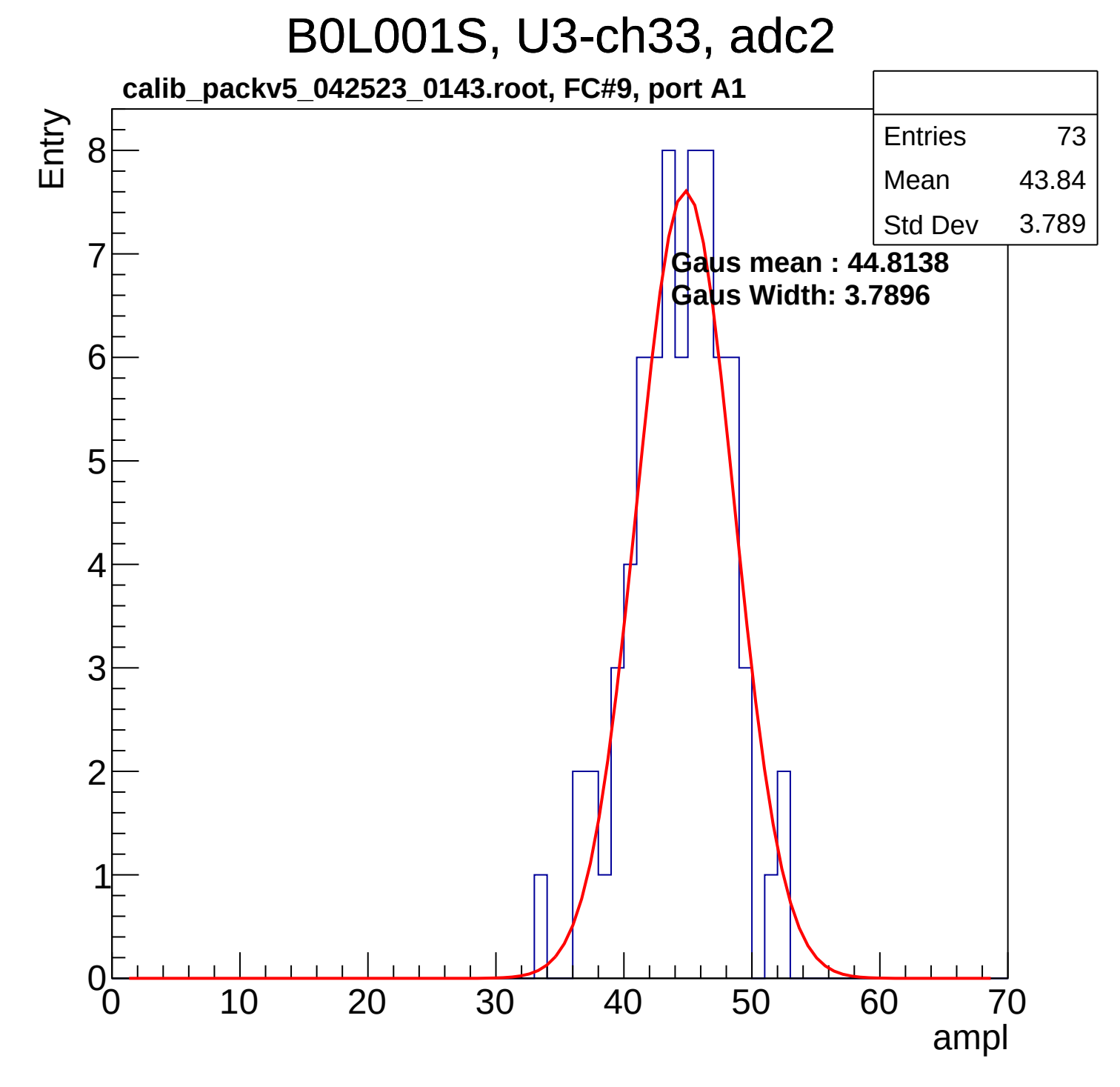

B0L001S, U3-ch32, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 26
Mean 61.04
Std Dev 1.829
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

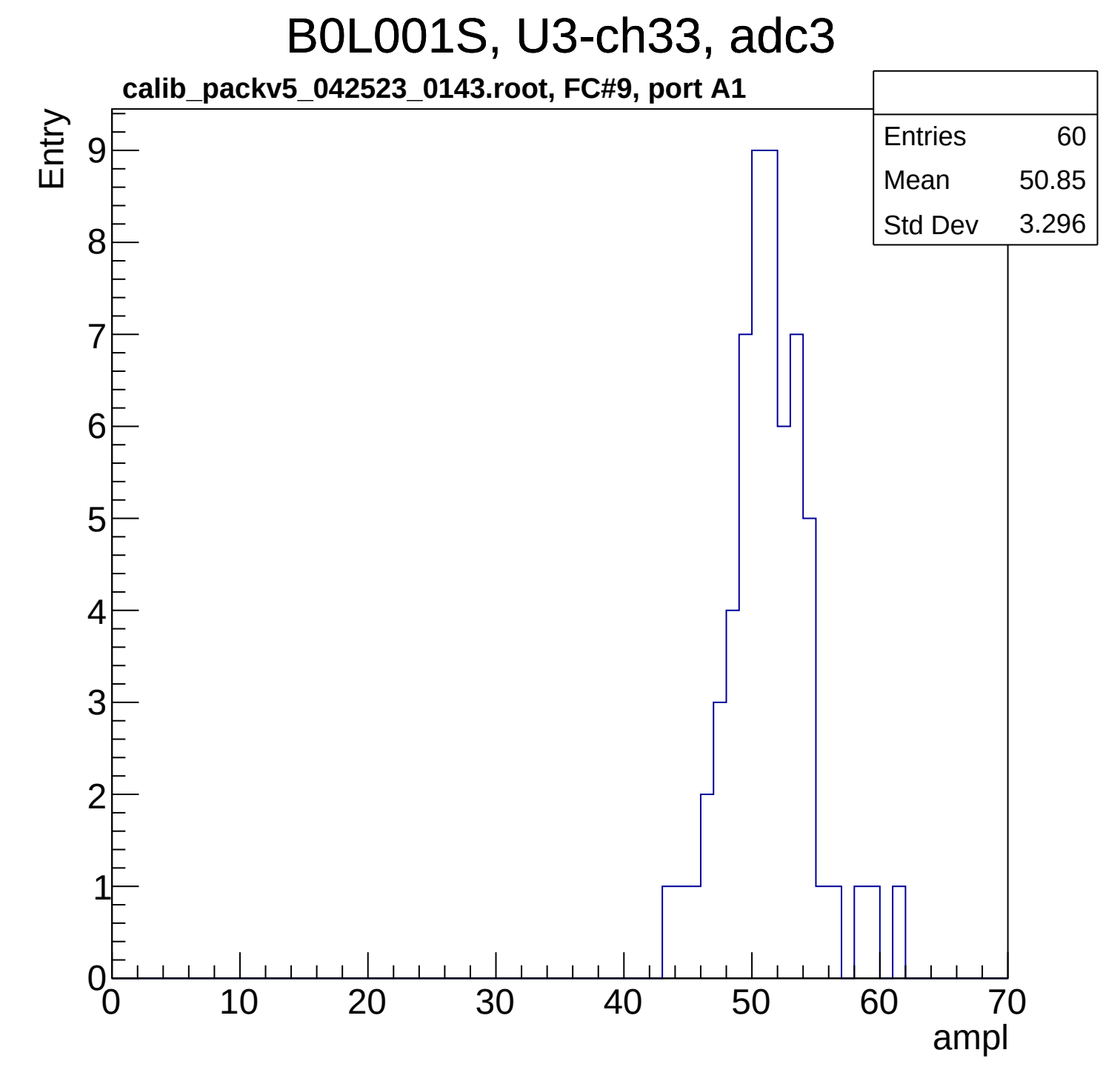

B0L001S, U3-ch32, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 50.67
Std Dev 22.68
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70

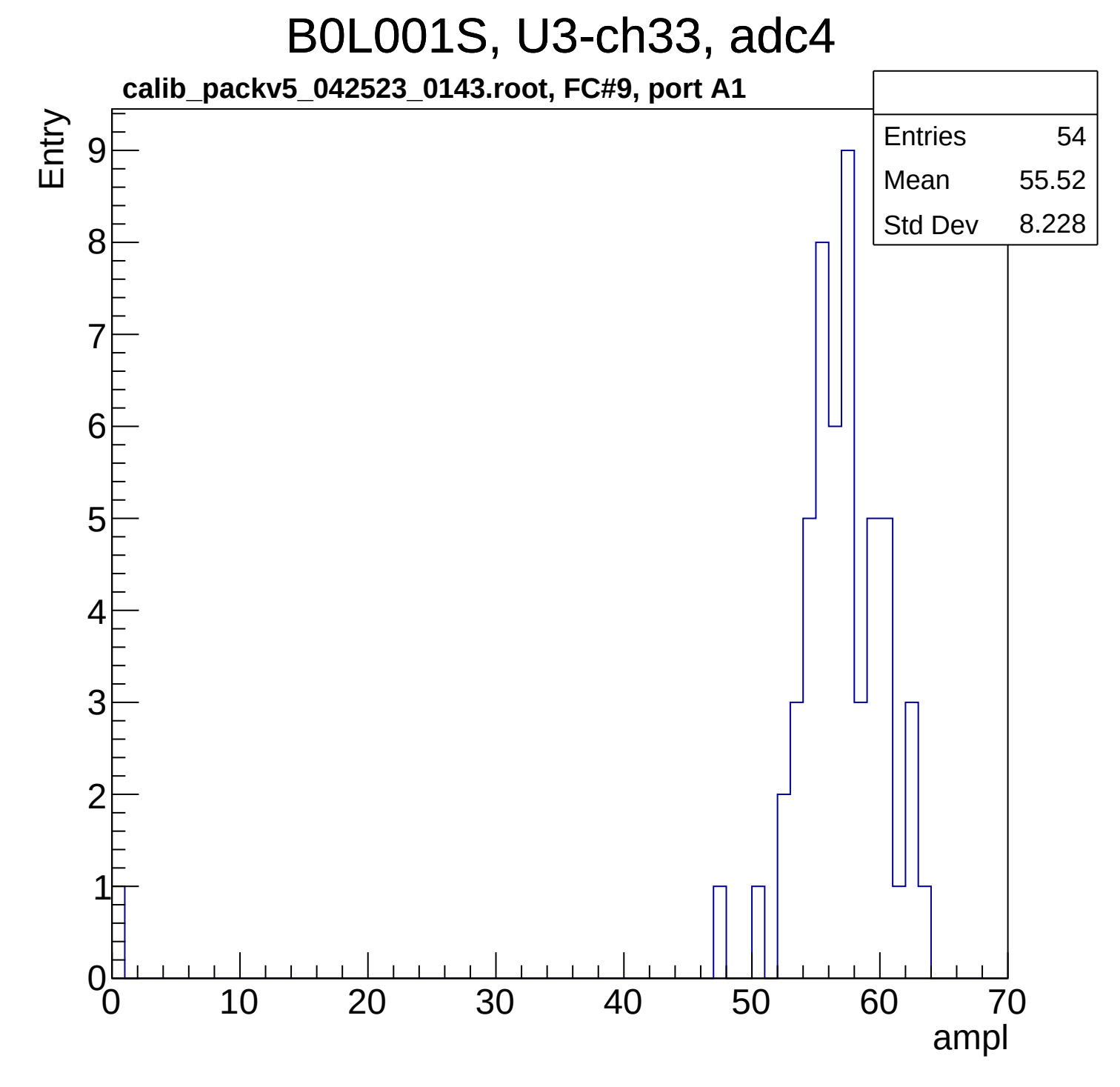

B0L001S, U3-ch32, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch33, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 30.71
Std Dev 5.429
Gaus mean : 31.4719
Gaus Width: 3.2342
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch33, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 36.94
Std Dev 3.856
Gaus mean : 37.6263
Gaus Width: 4.0077
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch33, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 43.84
Std Dev 3.789
Gaus mean : 44.8138
Gaus Width: 3.7896
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch33, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 50.85
Std Dev 3.296
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch33, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 55.52
Std Dev 8.228
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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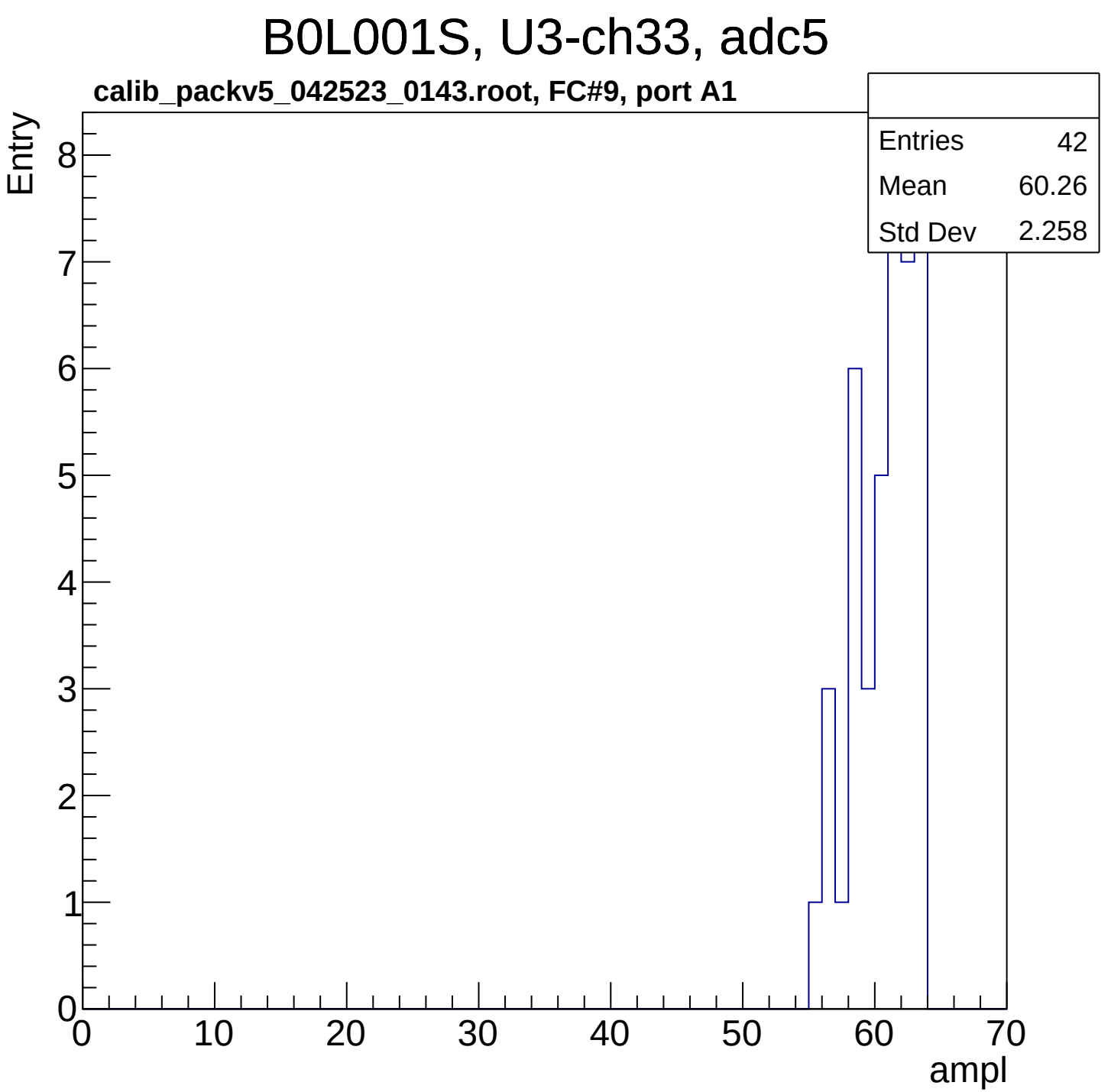
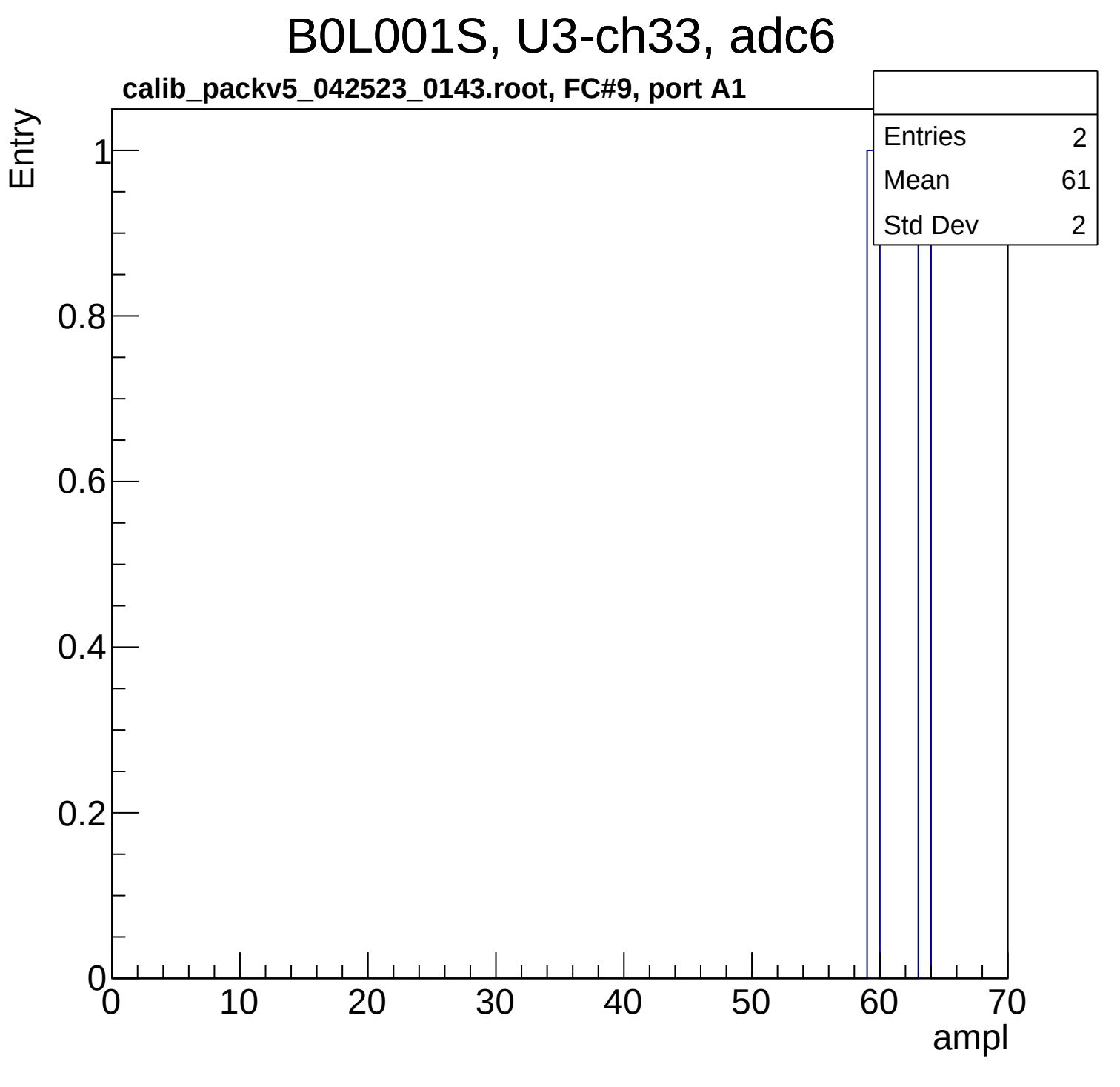
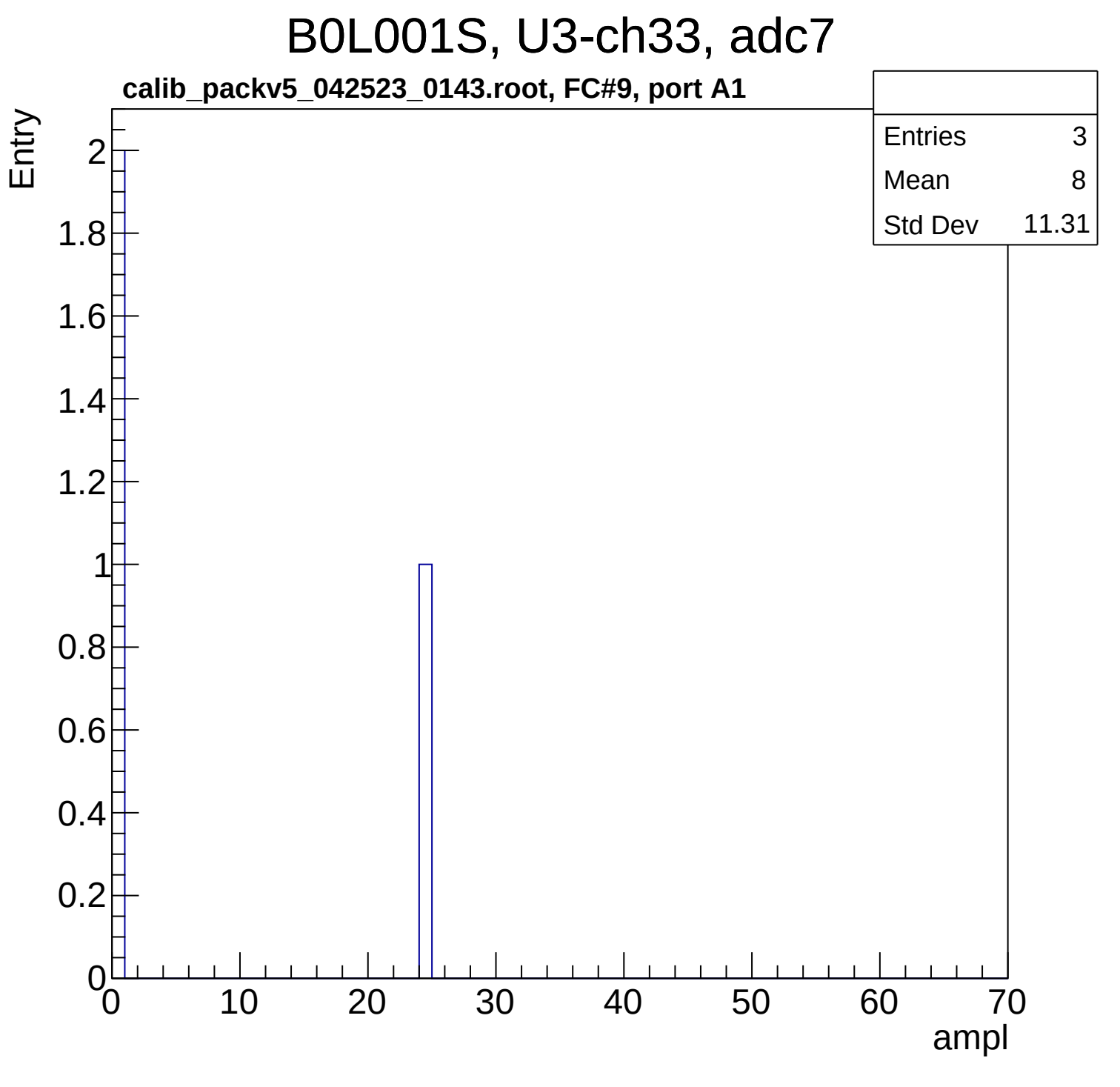

B0L001S, U3-ch33, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 60.26
Std Dev 2.258
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch33, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch33, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 8
Std Dev 11.31
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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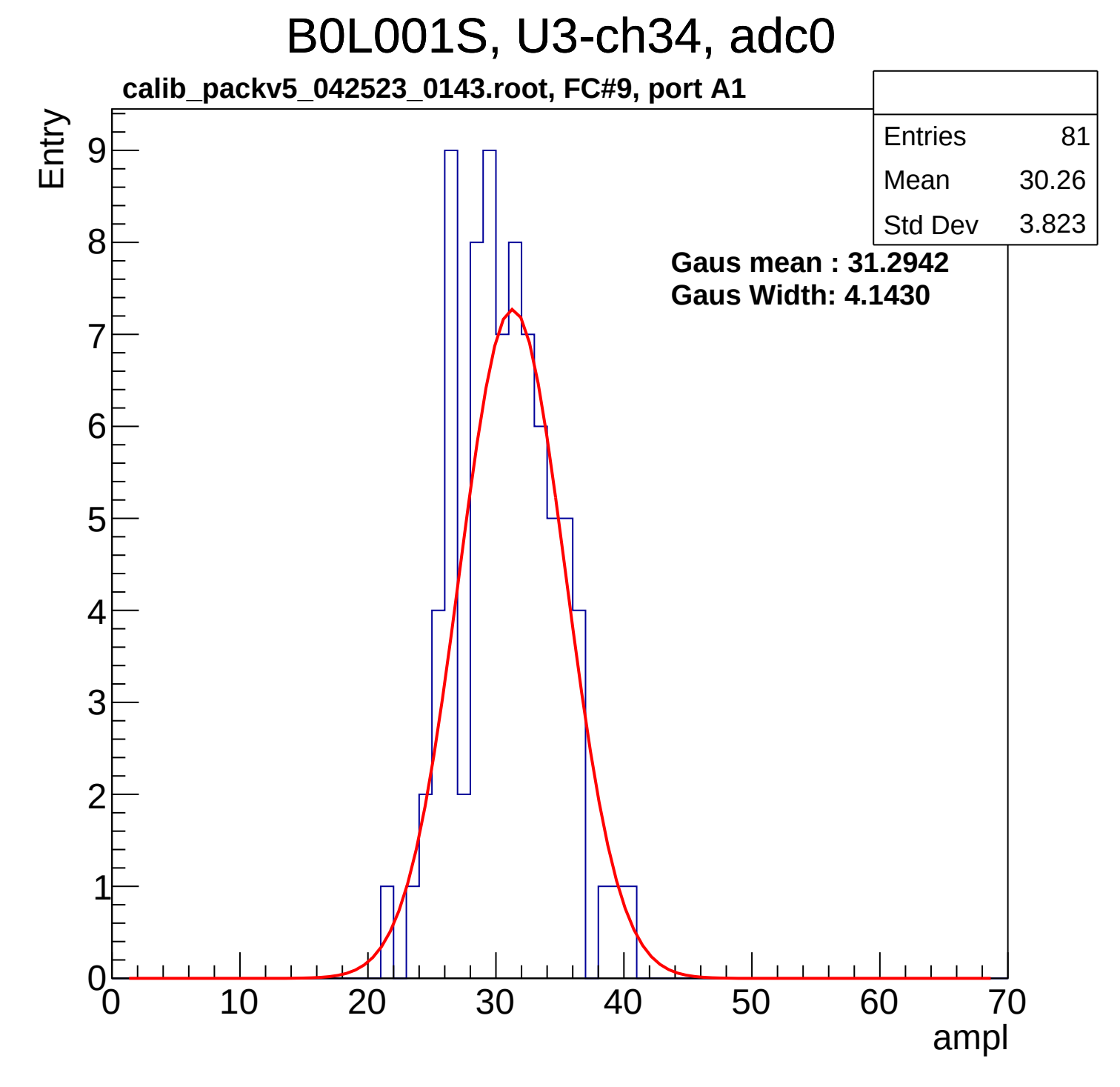
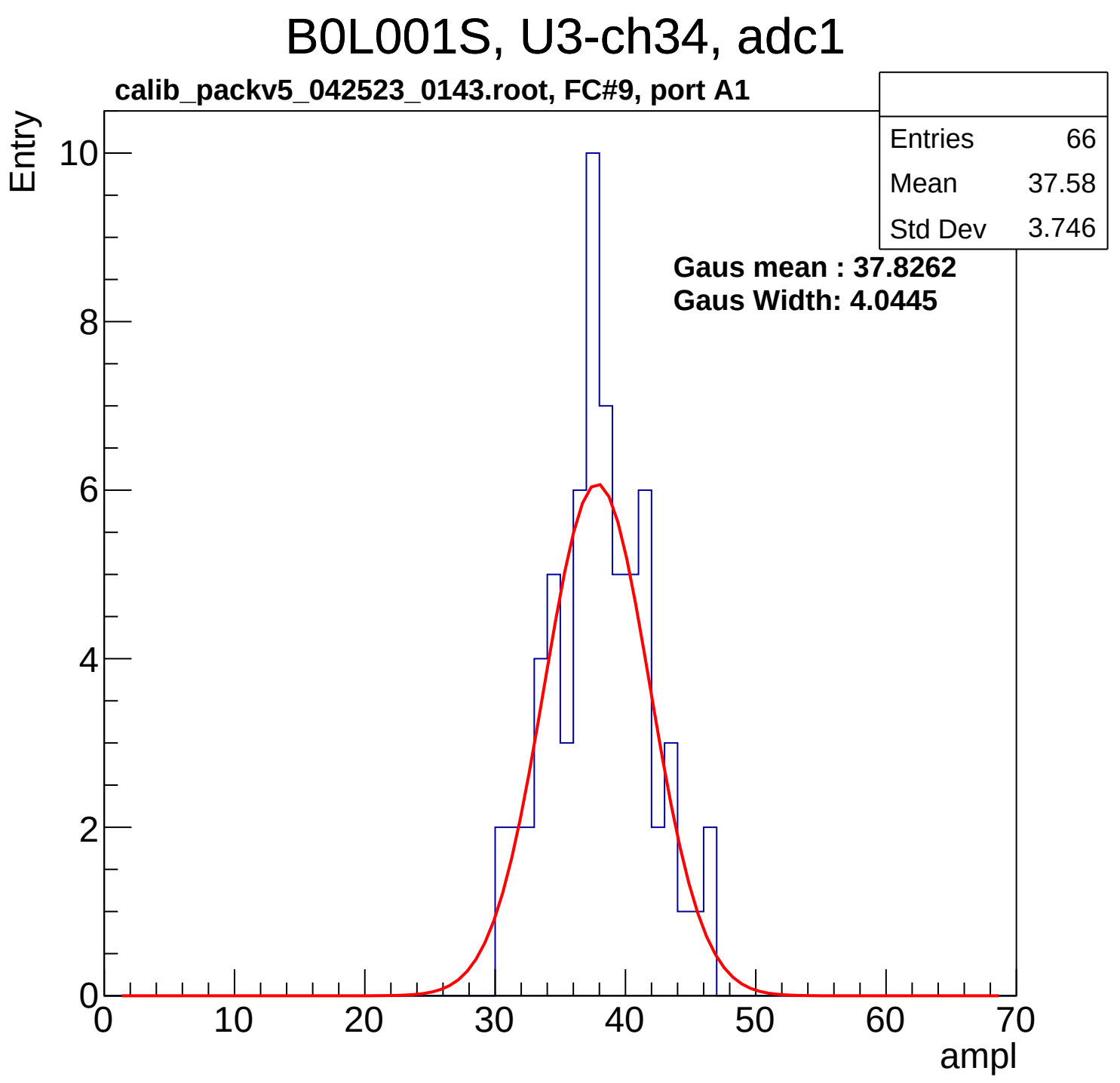
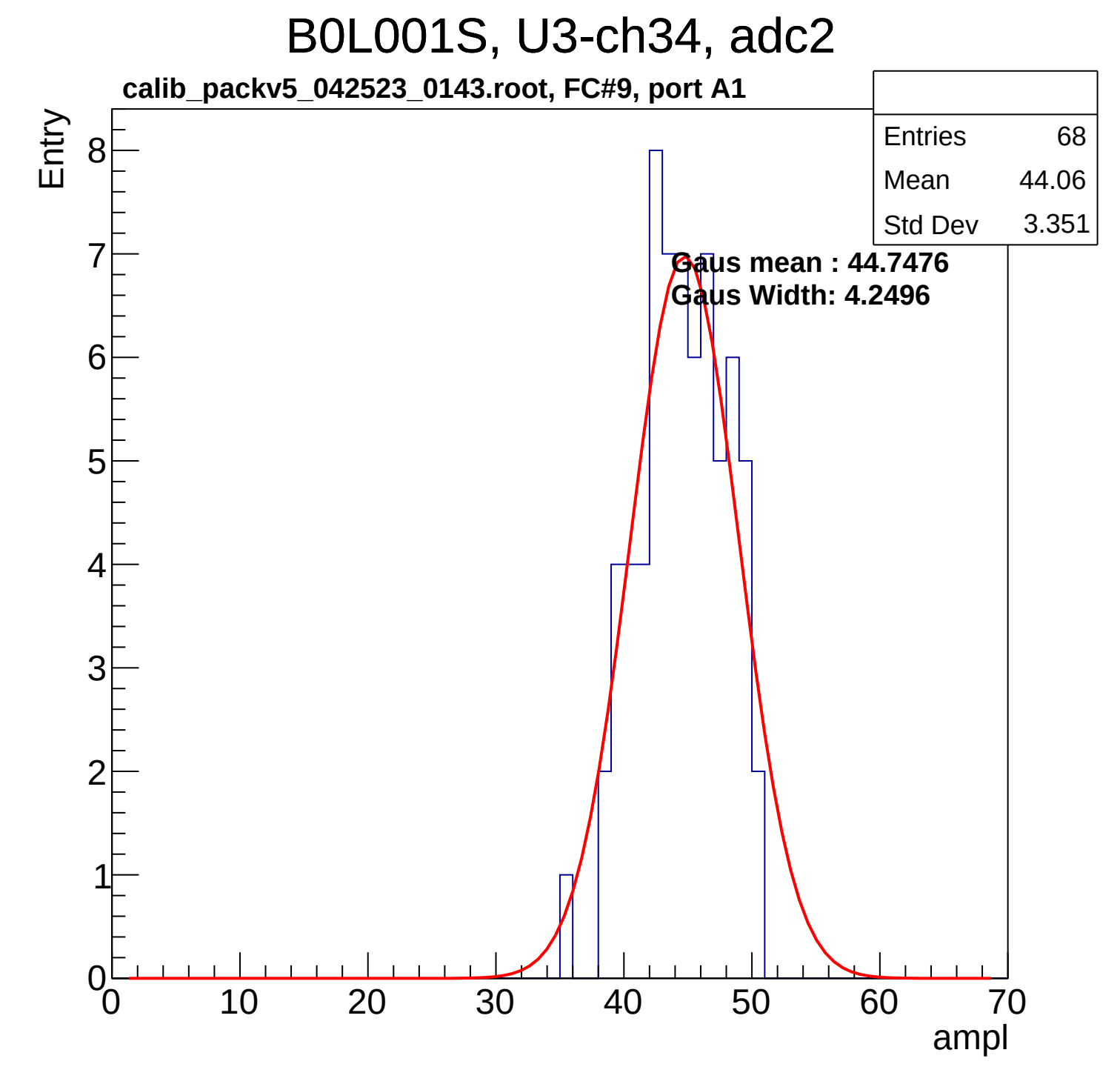

B0L001S, U3-ch34, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 81
Mean 30.26
Std Dev 3.823
Gaus mean : 31.2942
Gaus Width: 4.1430
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch34, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.58
Std Dev 3.746
Gaus mean : 37.8262
Gaus Width: 4.0445
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch34, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 44.06
Std Dev 3.351
Gaus mean : 44.7476
Gaus Width: 4.2496
Entry
ampl
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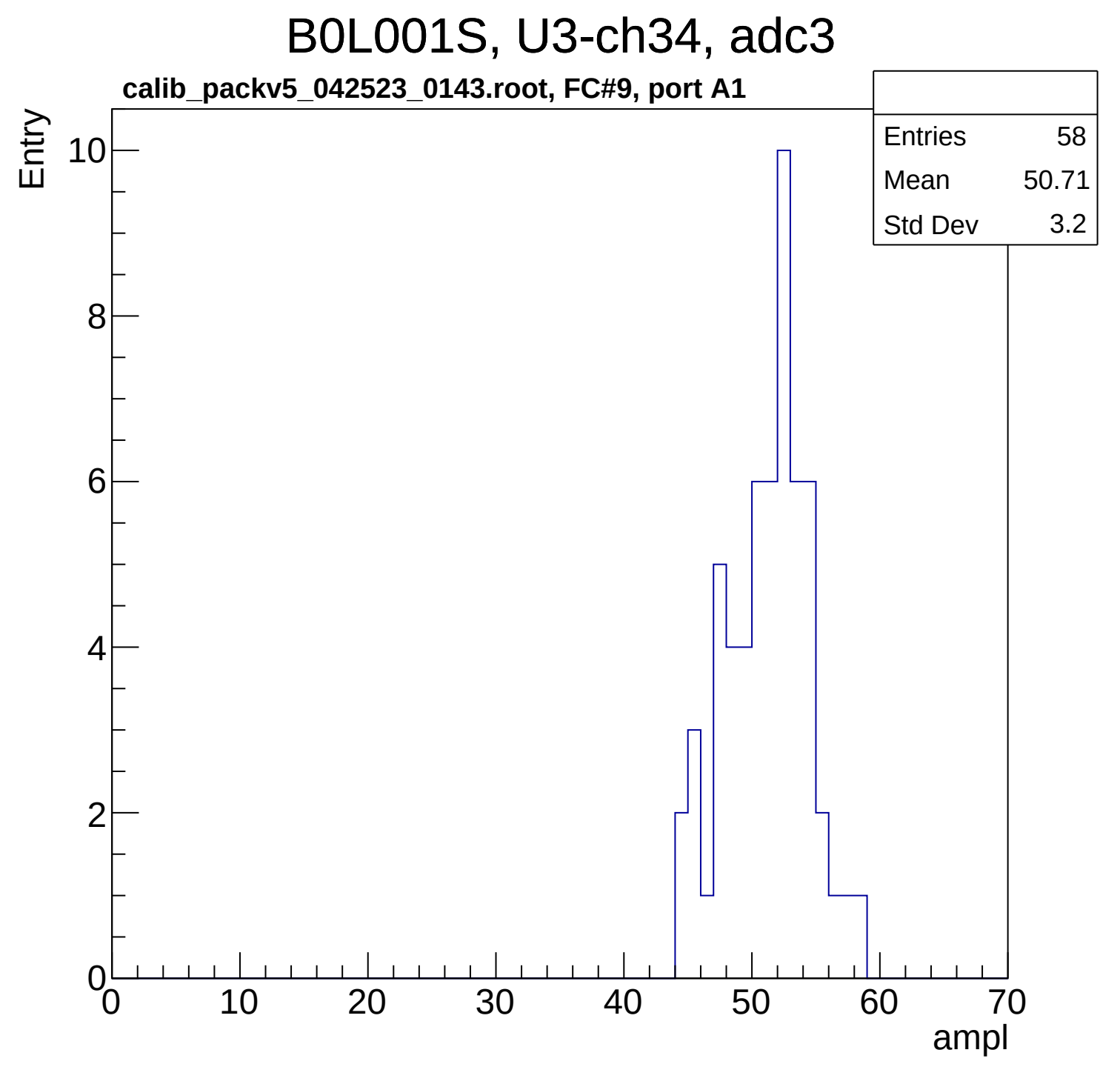
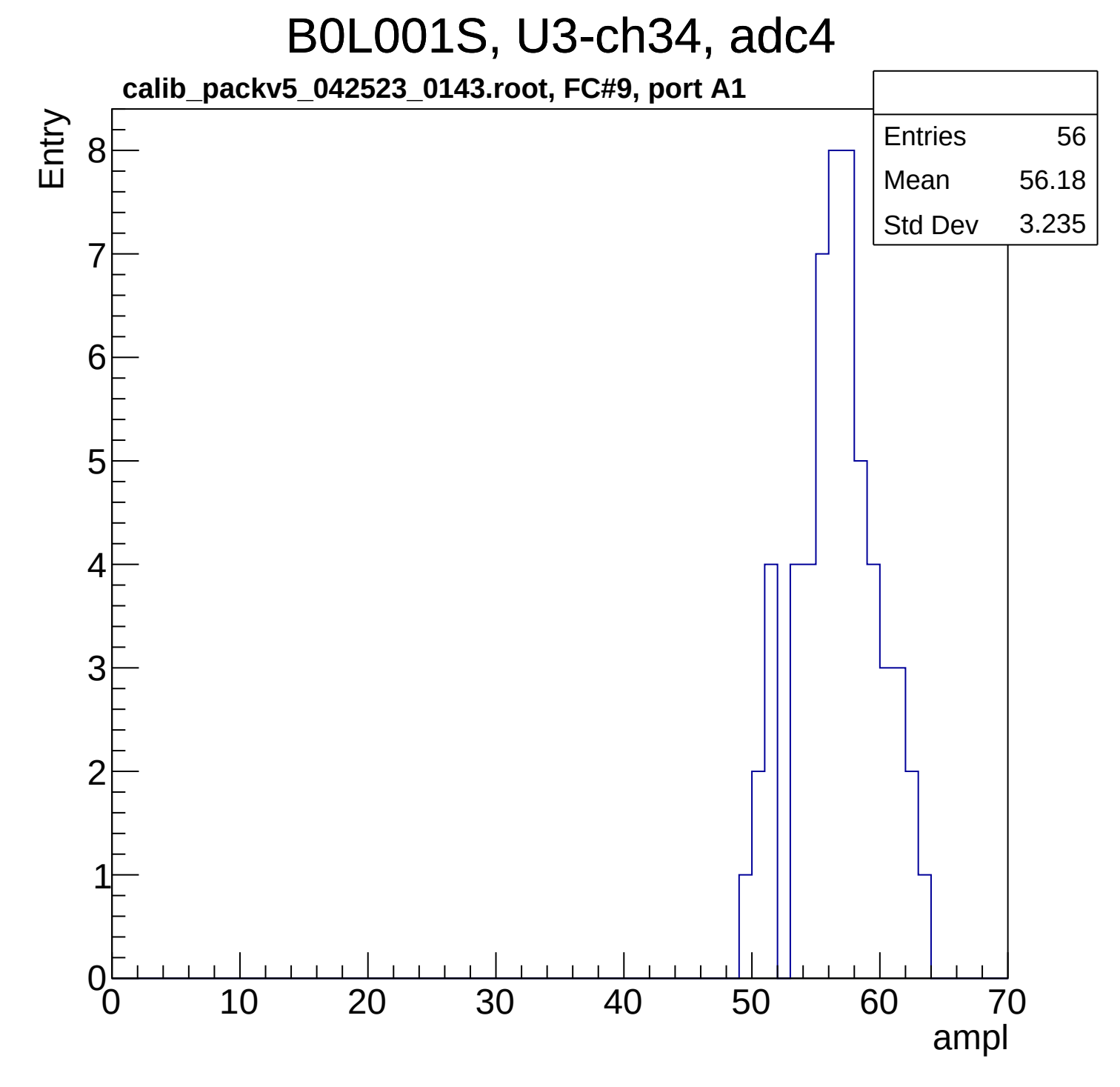
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch34, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 50.71
Std Dev 3.2
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch34, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 56.18
Std Dev 3.235
Entry
ampl
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1
2
3
4
5
6
7
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0
10
20
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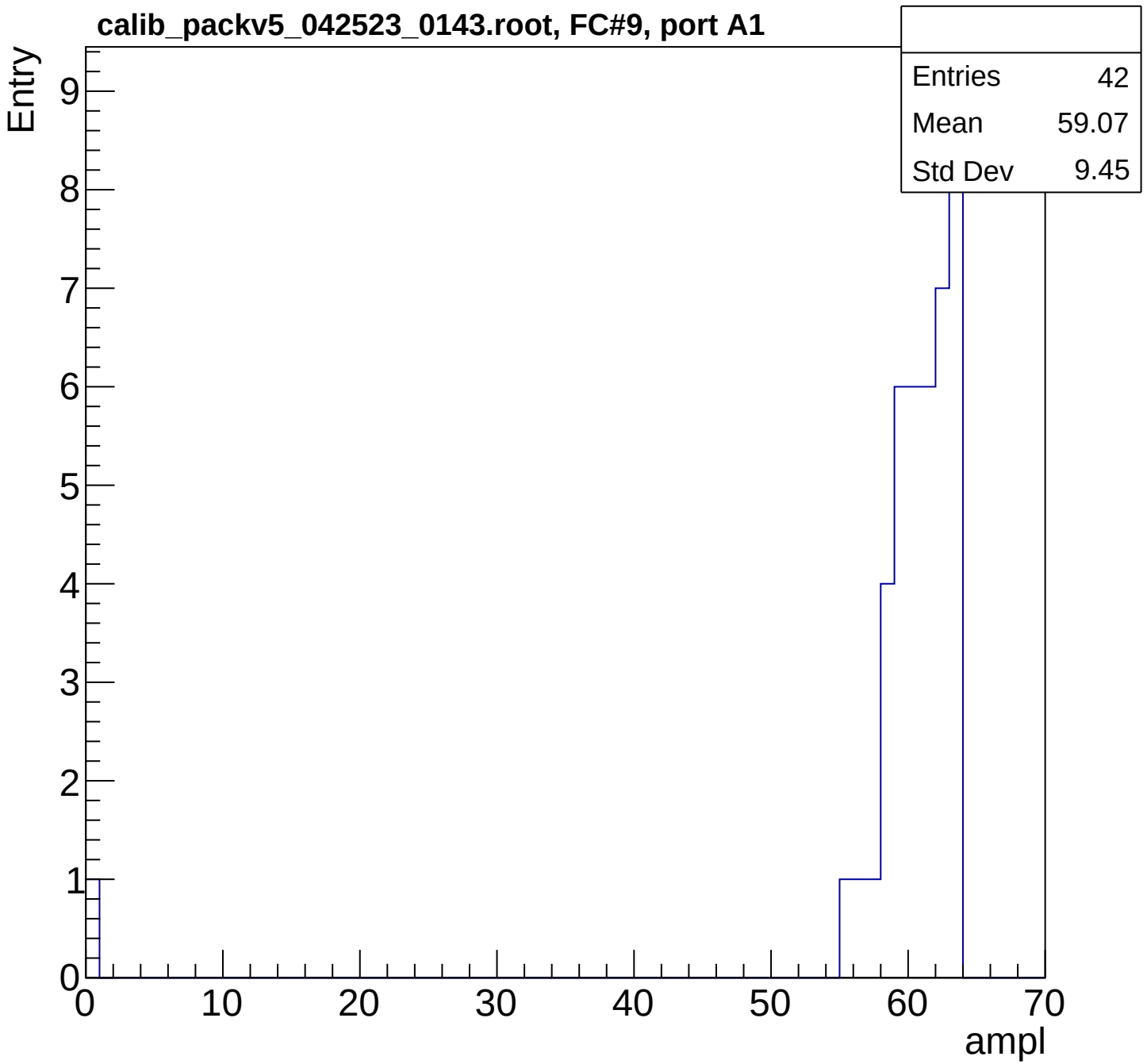
40
50
60
70


B0L001S, U3-ch34, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 59.07
Std Dev 9.45
Entry
ampl
0
1
2
3
4
5
6
7
8
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0
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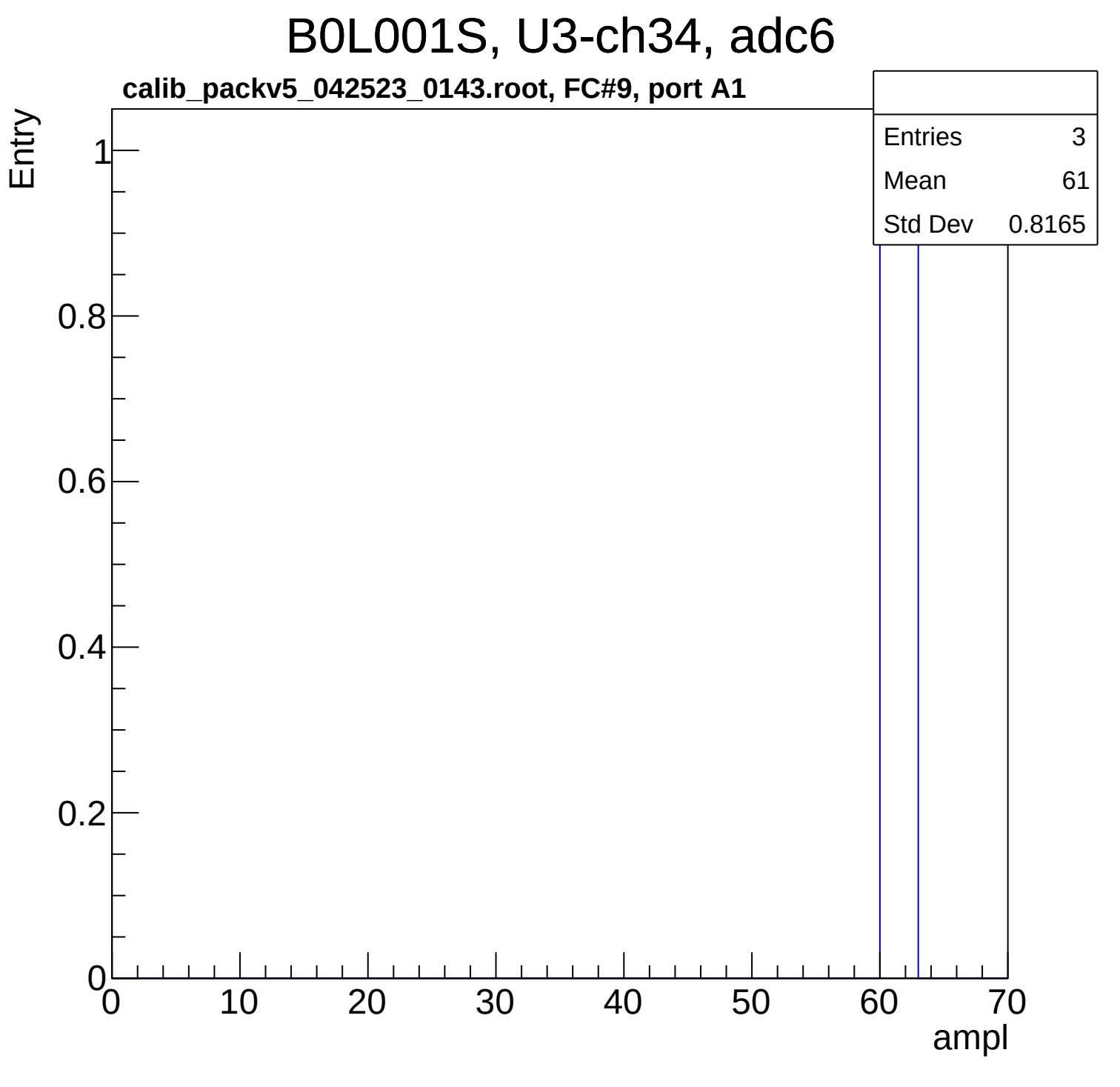
B0L001S, U3-ch34, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 61
Std Dev 0.8165
Entry
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0.6
0.4
0.2
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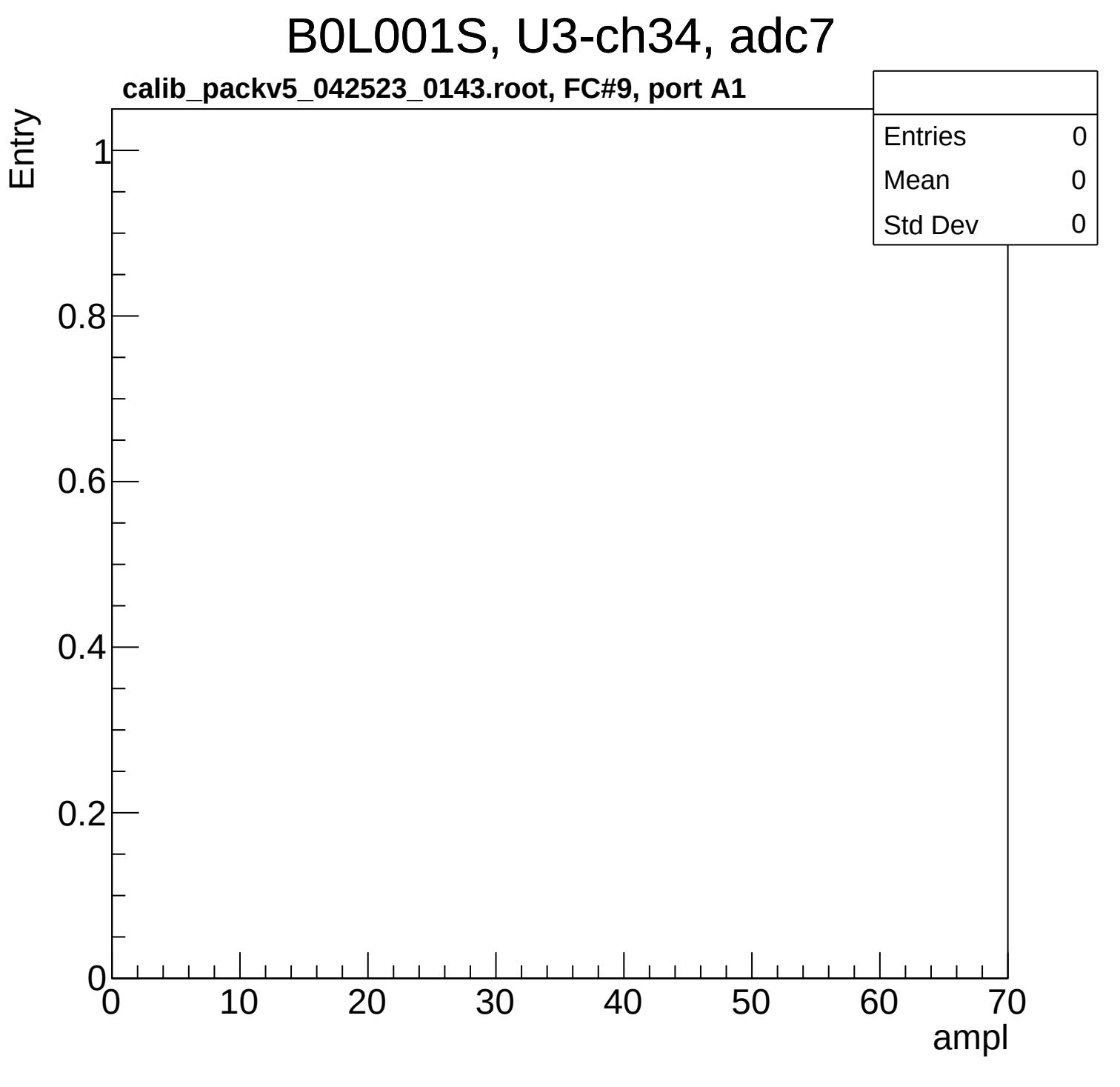
ampl


B0L001S, U3-ch34, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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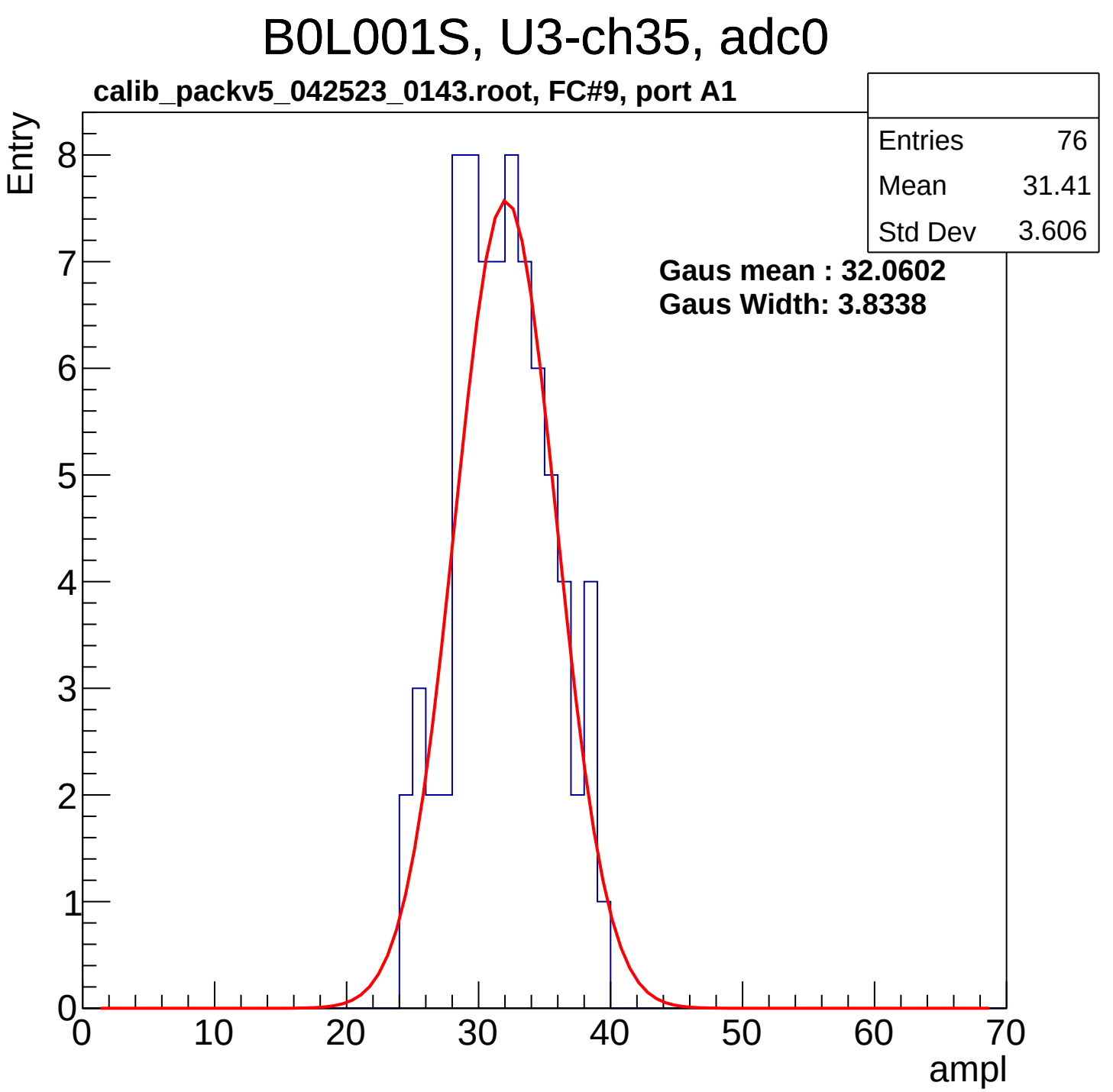
ampl


B0L001S, U3-ch35, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 31.41
Std Dev 3.606
Gaus mean : 32.0602
Gaus Width: 3.8338
Entry
ampl
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1
2
3
4
5
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0
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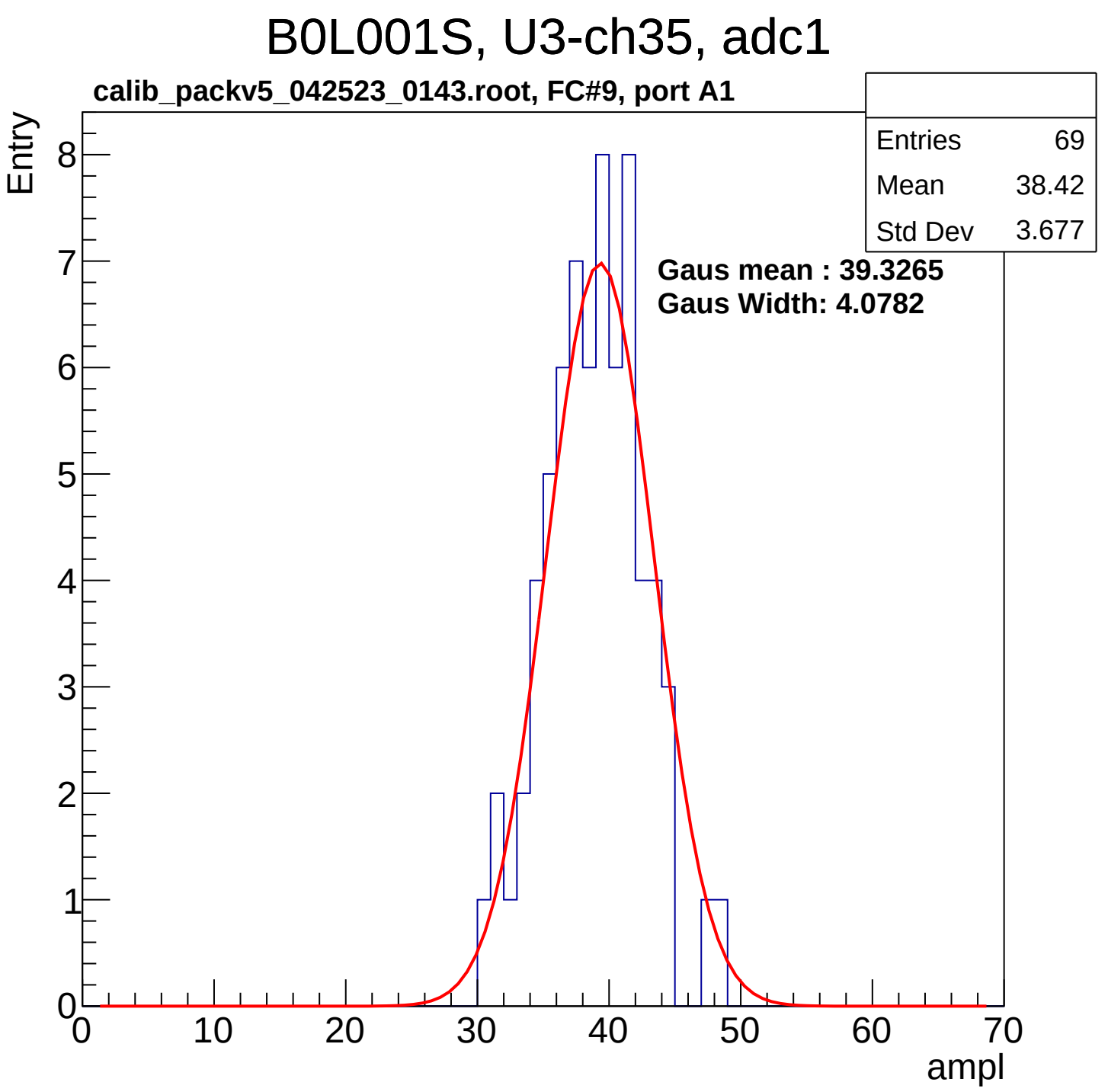
B0L001S, U3-ch35, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 38.42
Std Dev 3.677
Gaus mean : 39.3265
Gaus Width: 4.0782
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
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60
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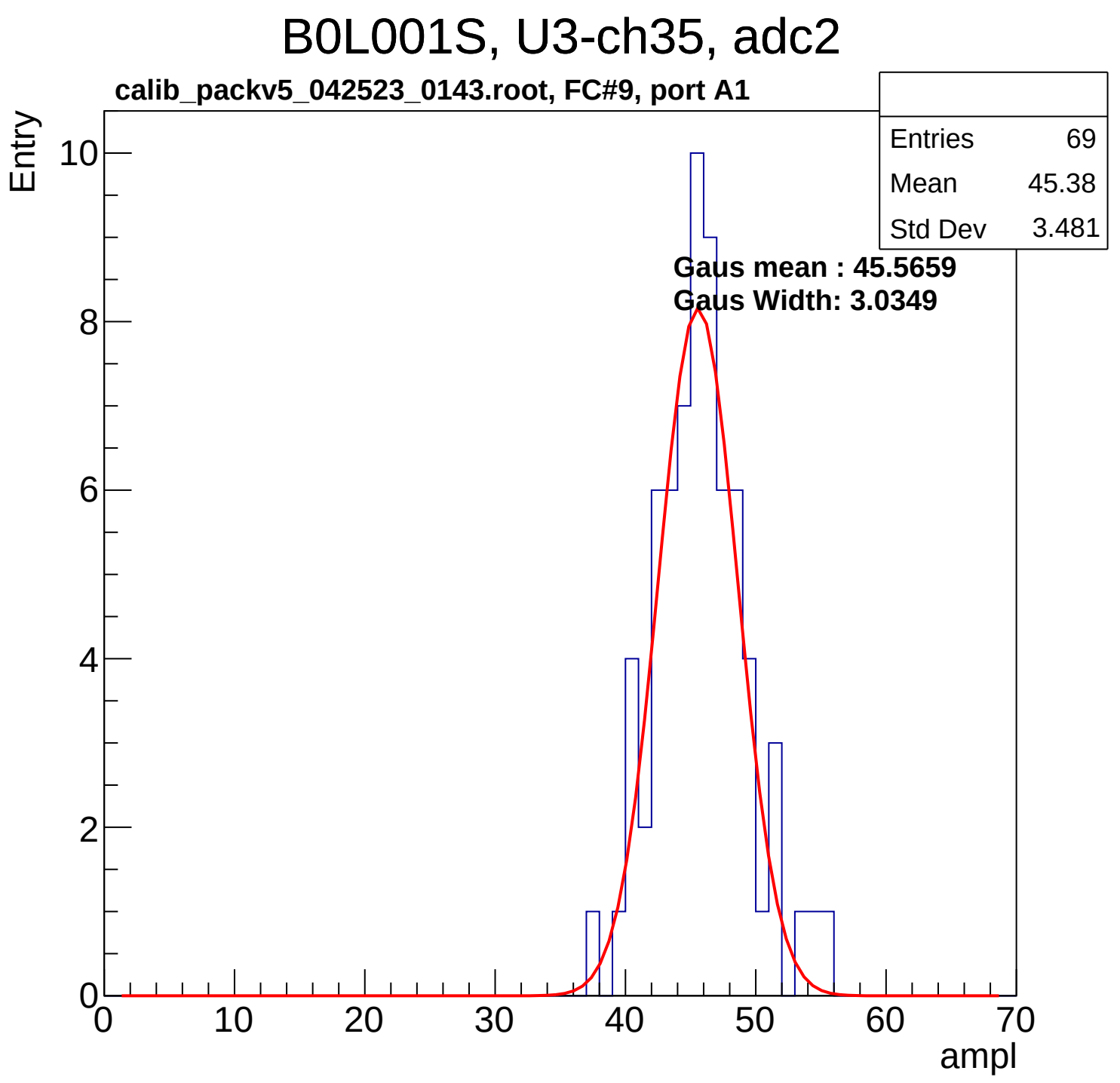
B0L001S, U3-ch35, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 45.38
Std Dev 3.481
Gaus mean : 45.5659
Gaus Width: 3.0349
Entry
ampl
0
2
4
6
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0
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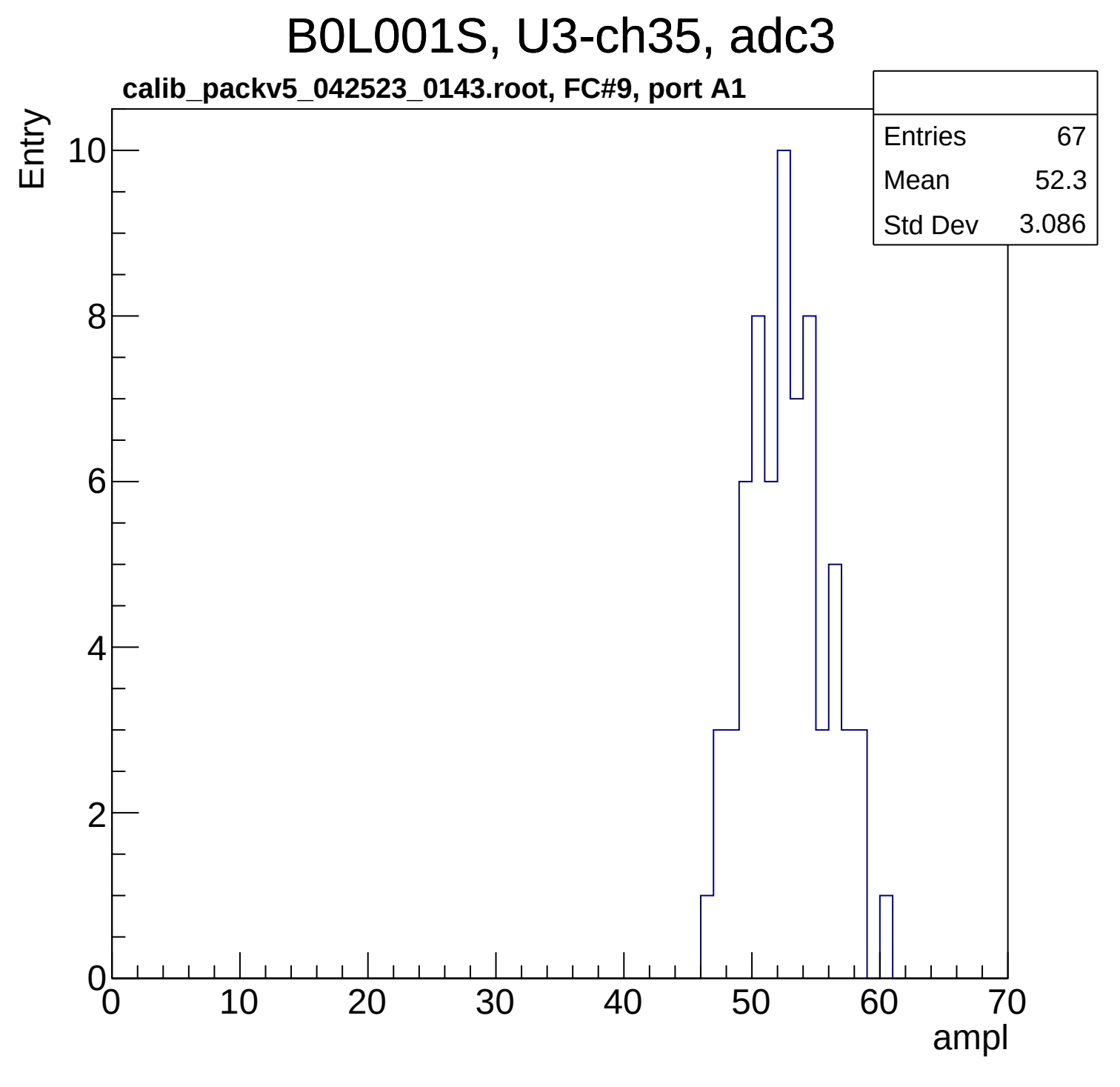
B0L001S, U3-ch35, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 52.3
Std Dev 3.086
Entry
ampl
0
2
4
6
8
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0
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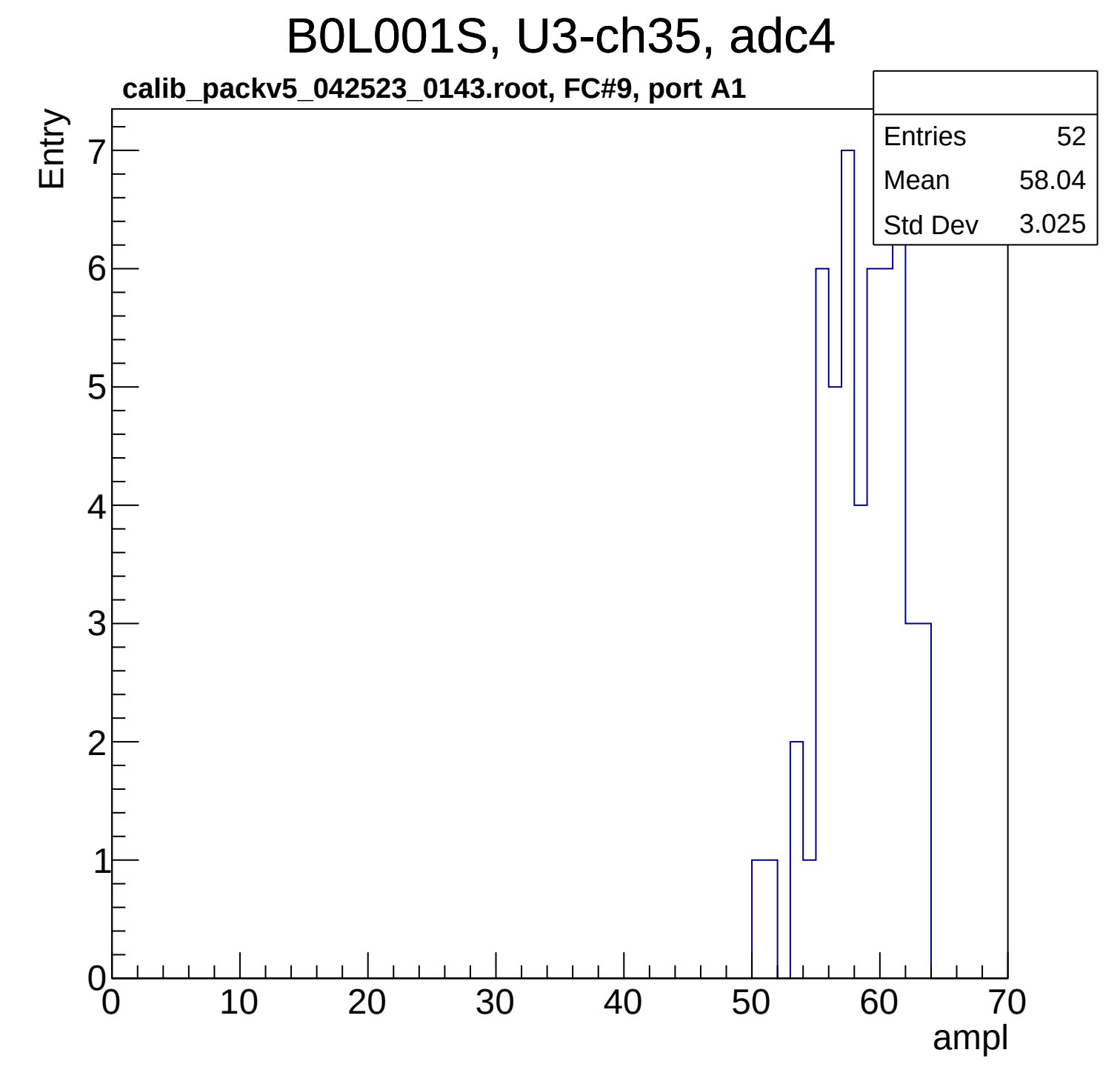
B0L001S, U3-ch35, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 58.04
Std Dev 3.025
Entry
ampl
0
1
2
3
4
5
6
7
0
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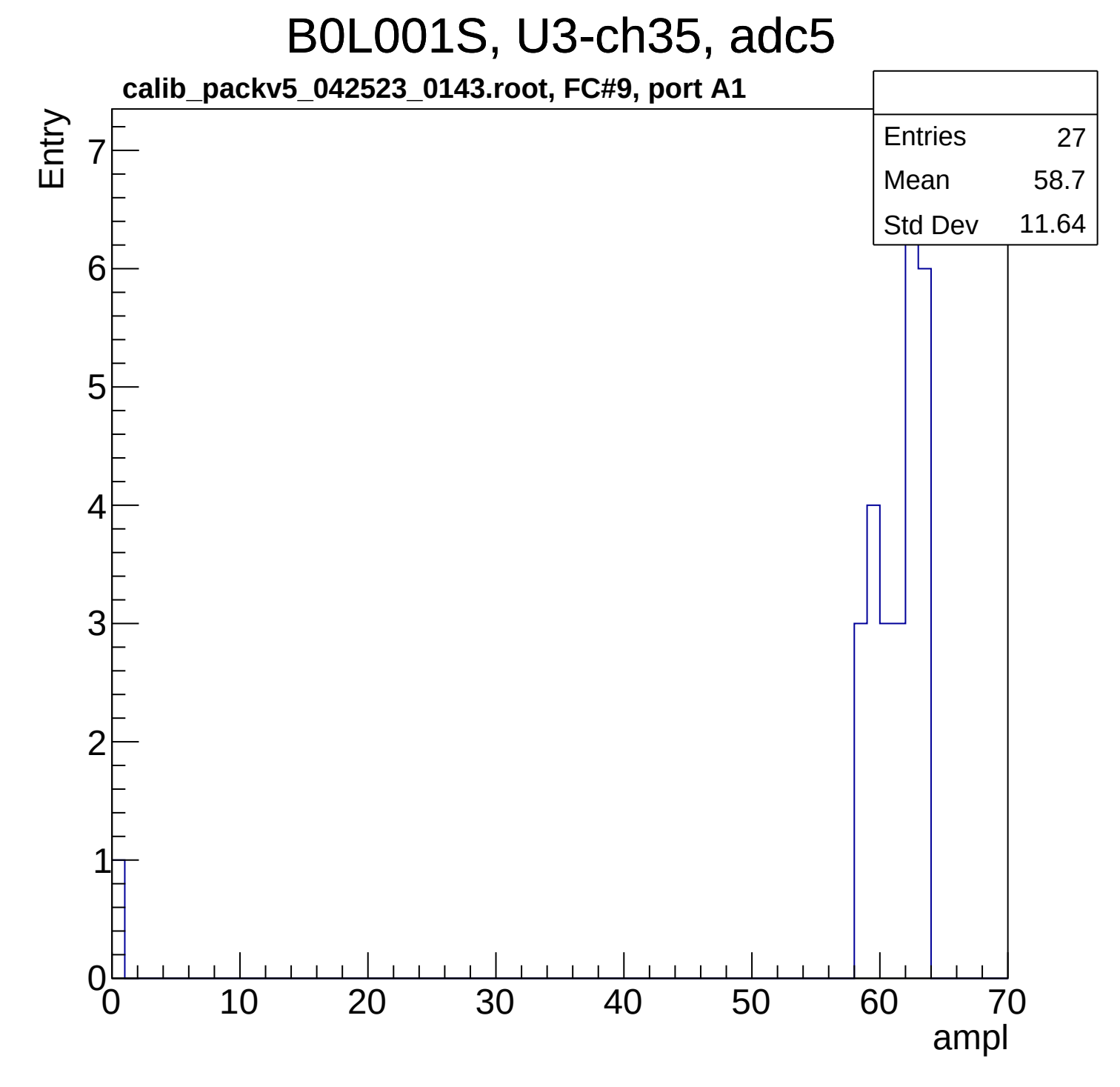
B0L001S, U3-ch35, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 27
Mean 58.7
Std Dev 11.64
Entry
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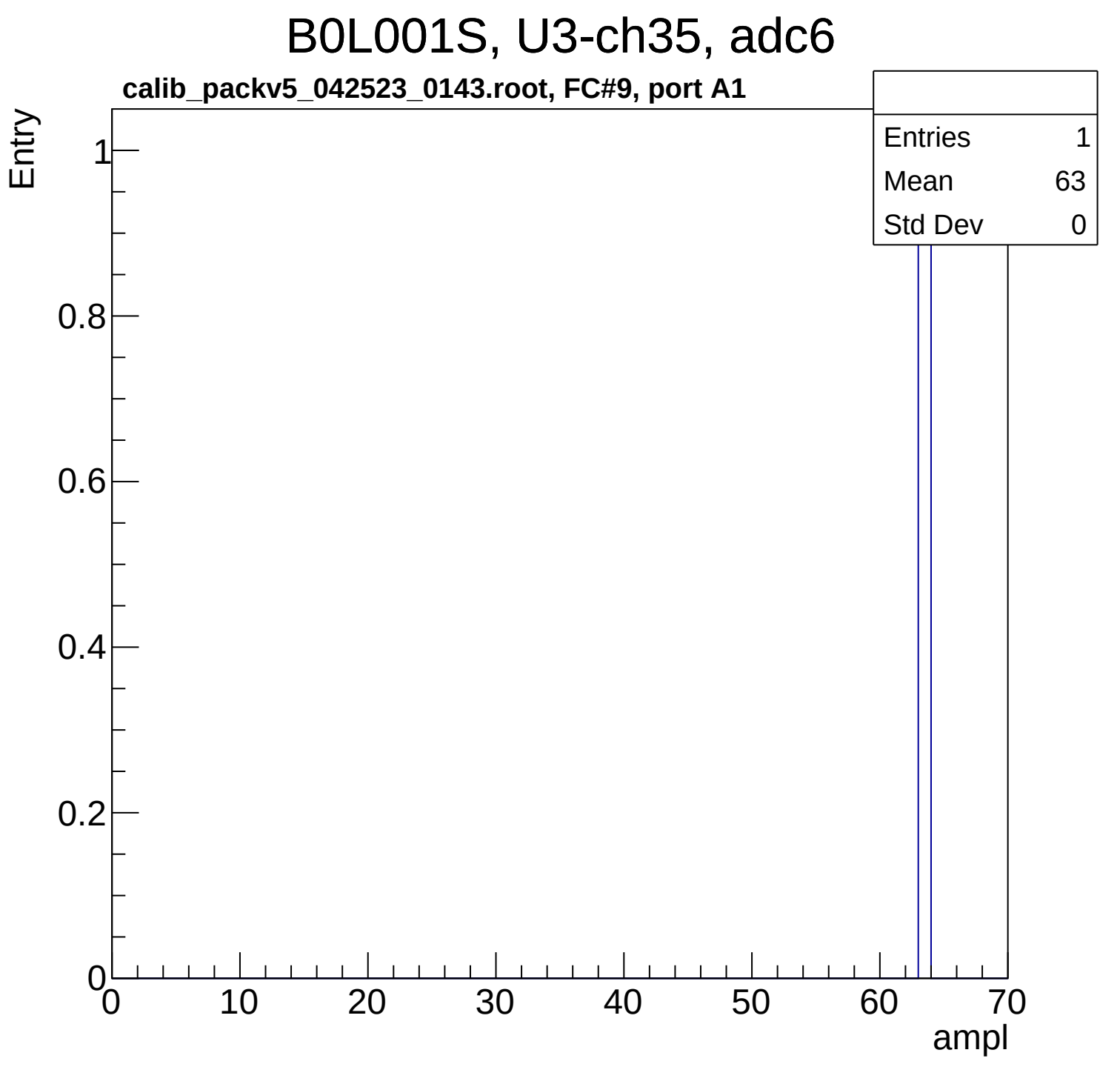
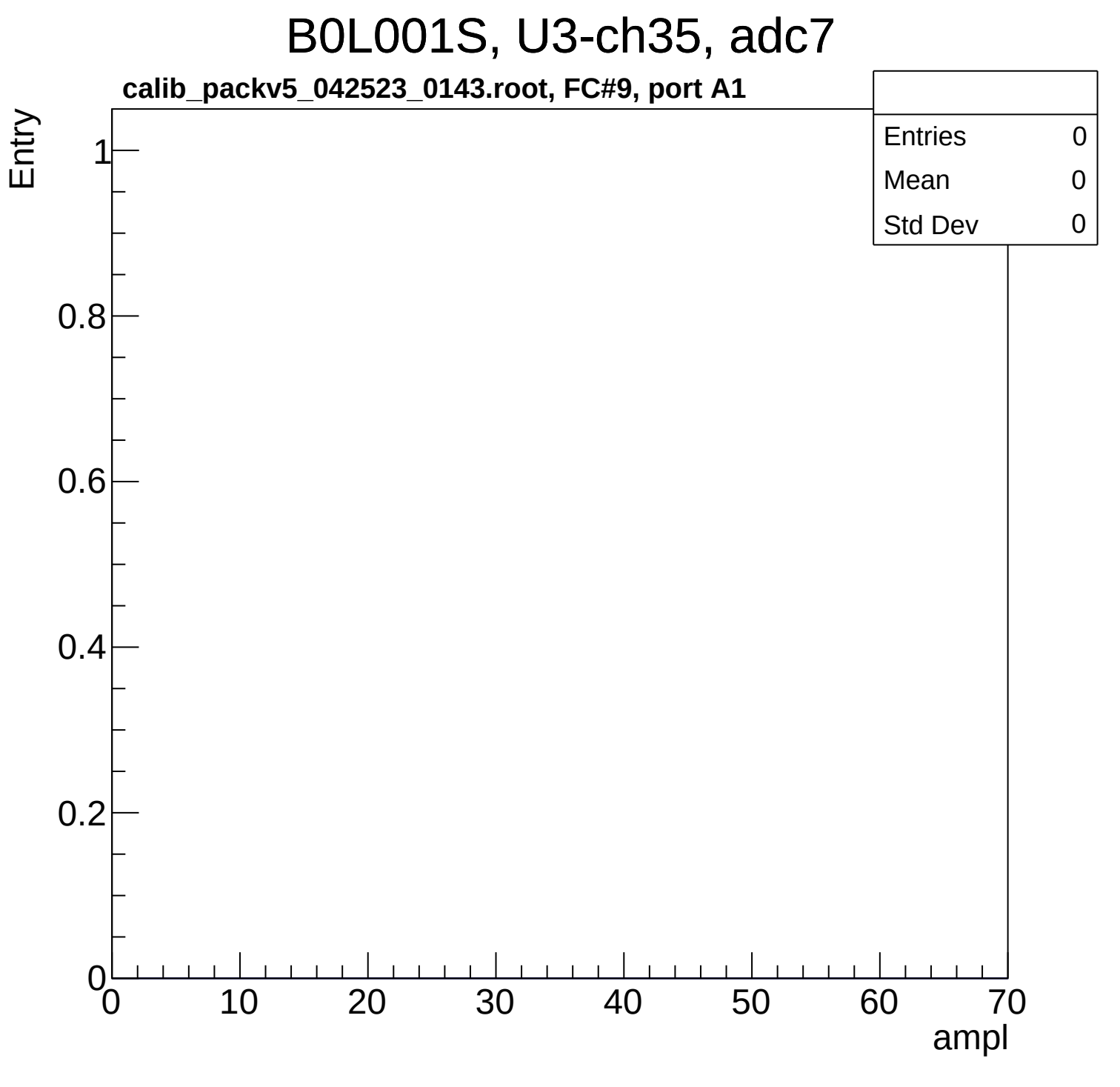
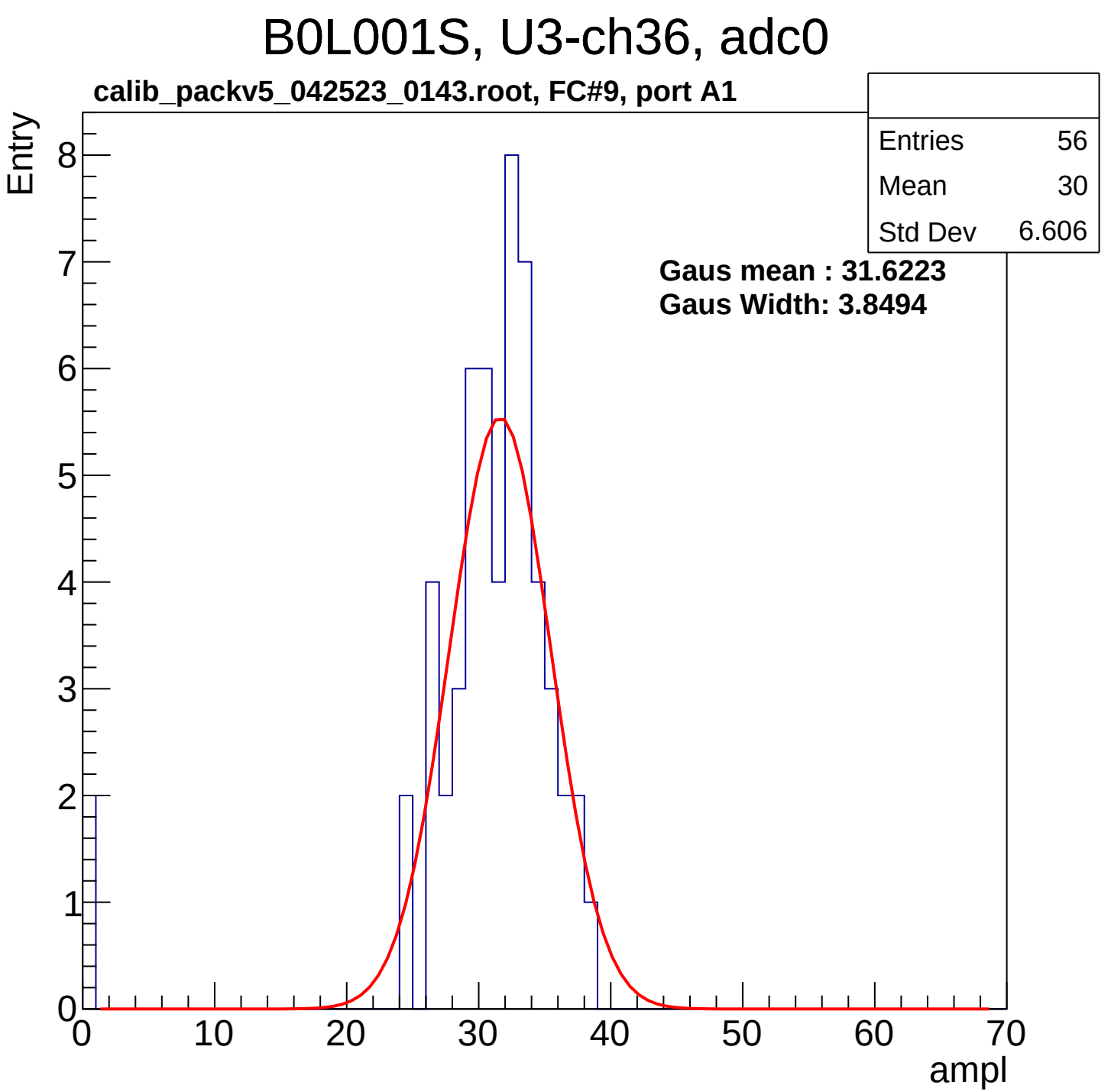
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch35, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch35, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch36, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 30
Std Dev 6.606
Gaus mean : 31.6223
Gaus Width: 3.8494
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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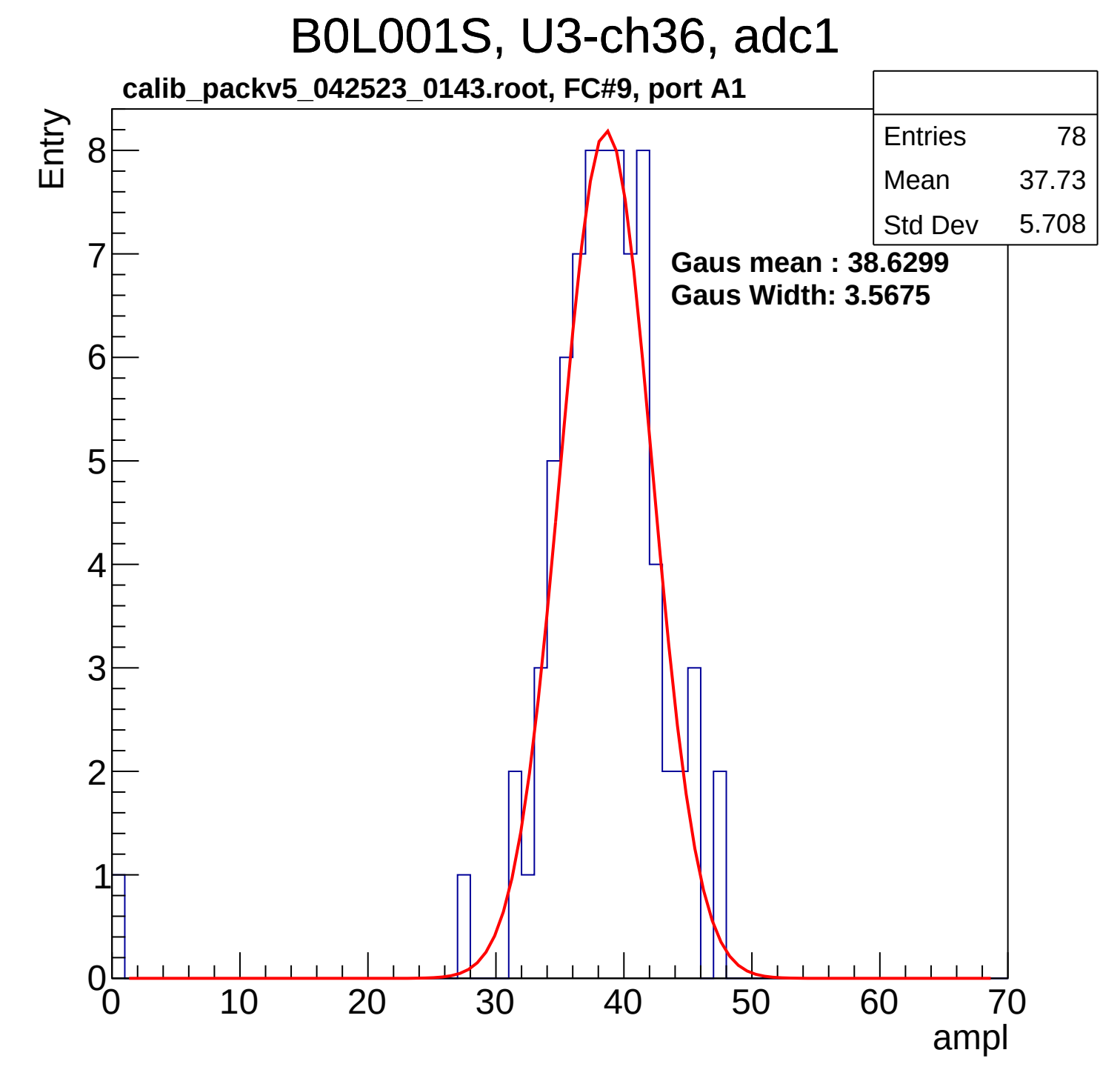
B0L001S, U3-ch36, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 37.73
Std Dev 5.708
Gaus mean : 38.6299
Gaus Width: 3.5675
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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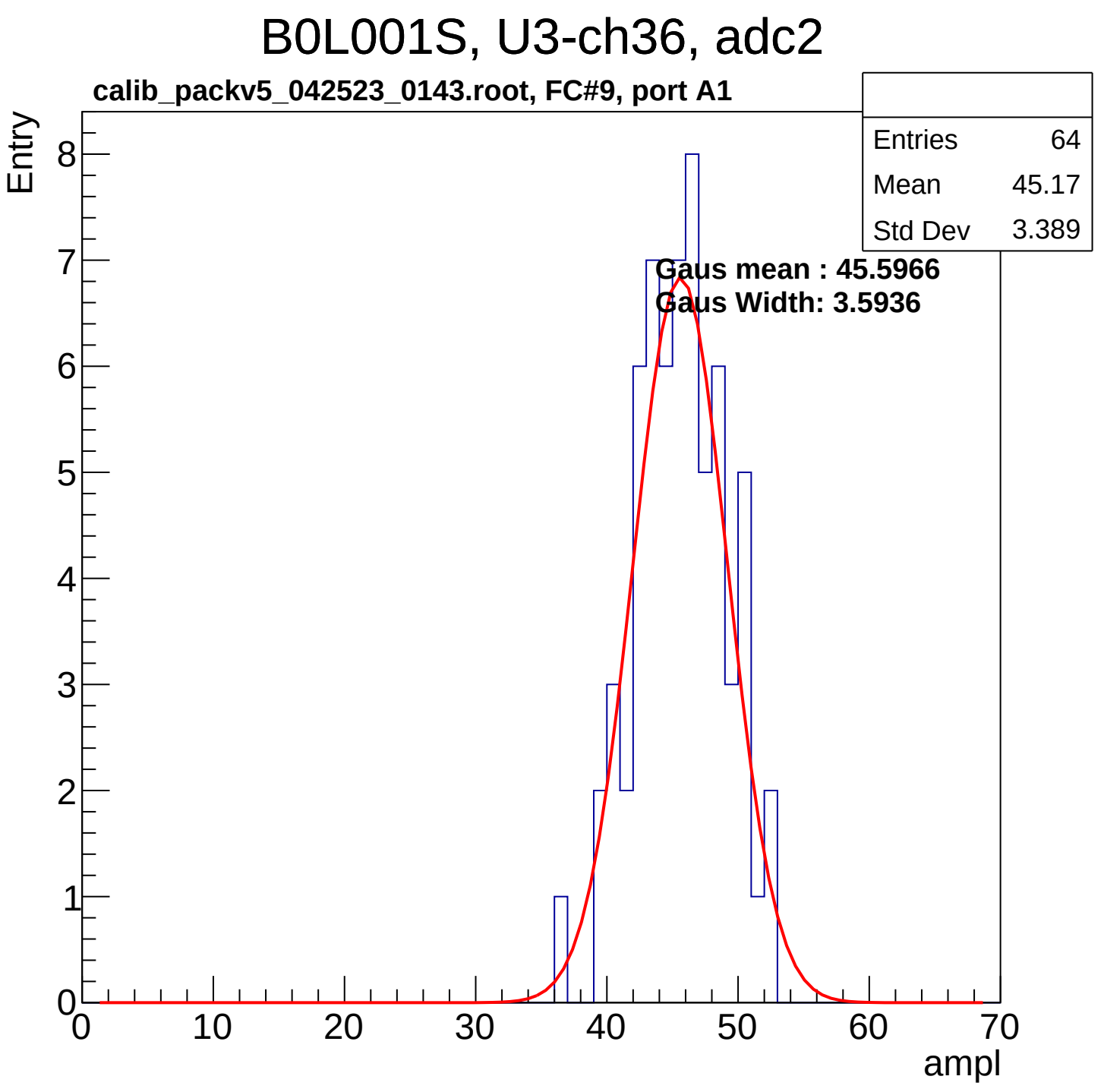
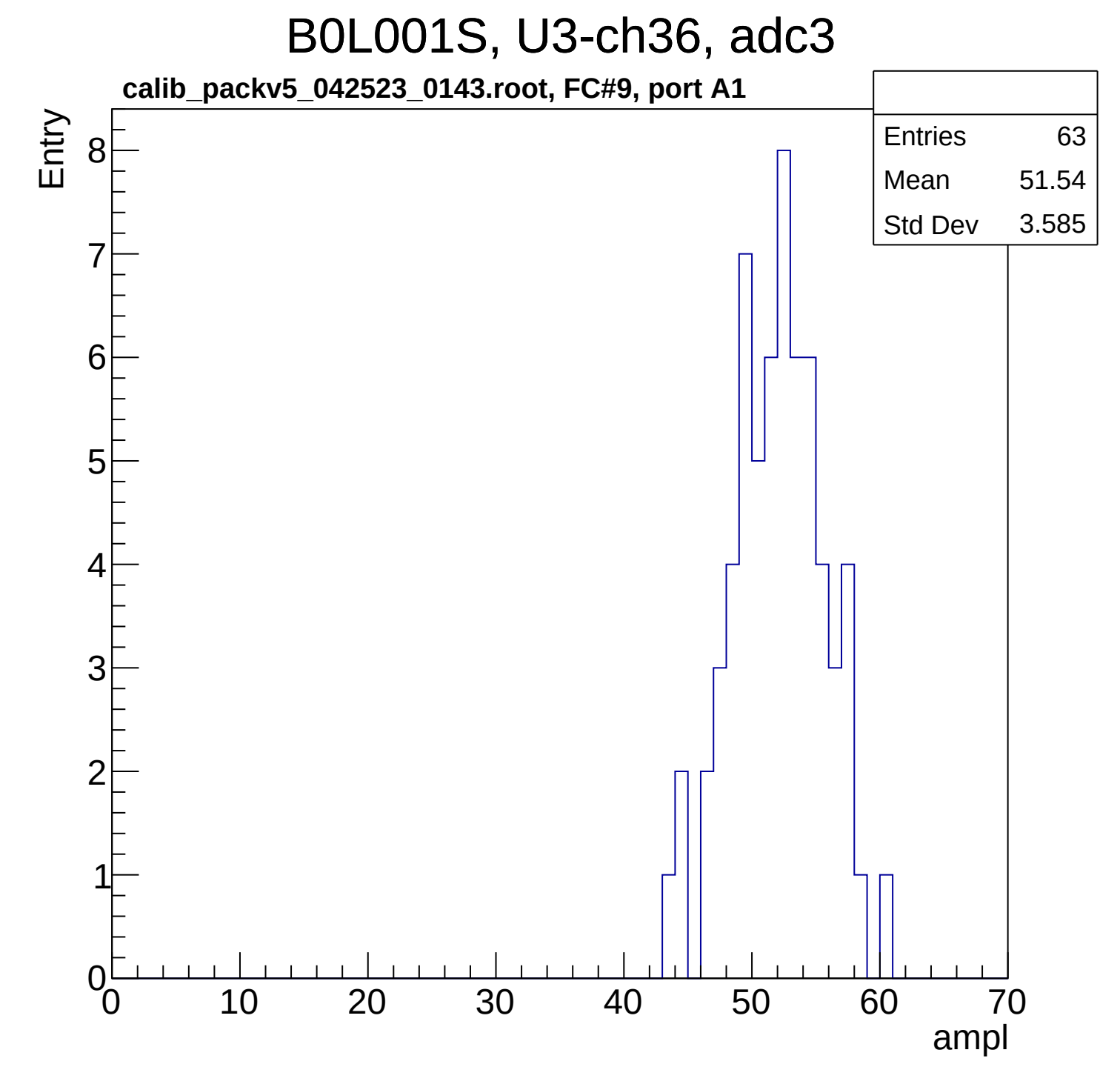
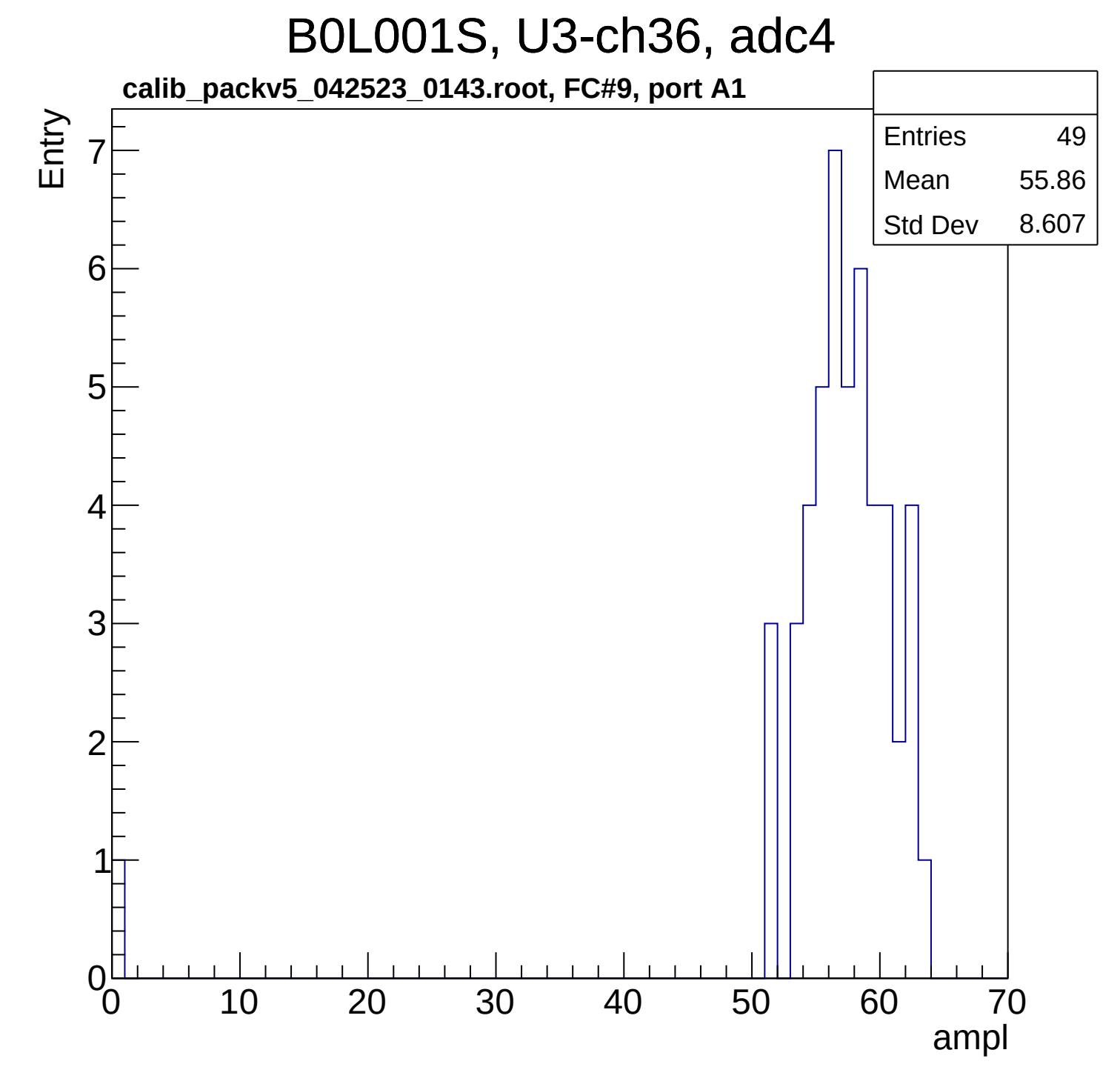

B0L001S, U3-ch36, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 45.17
Std Dev 3.389
Gaus mean : 45.5966
Gaus Width: 3.5936
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch36, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 51.54
Std Dev 3.585
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch36, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 55.86
Std Dev 8.607
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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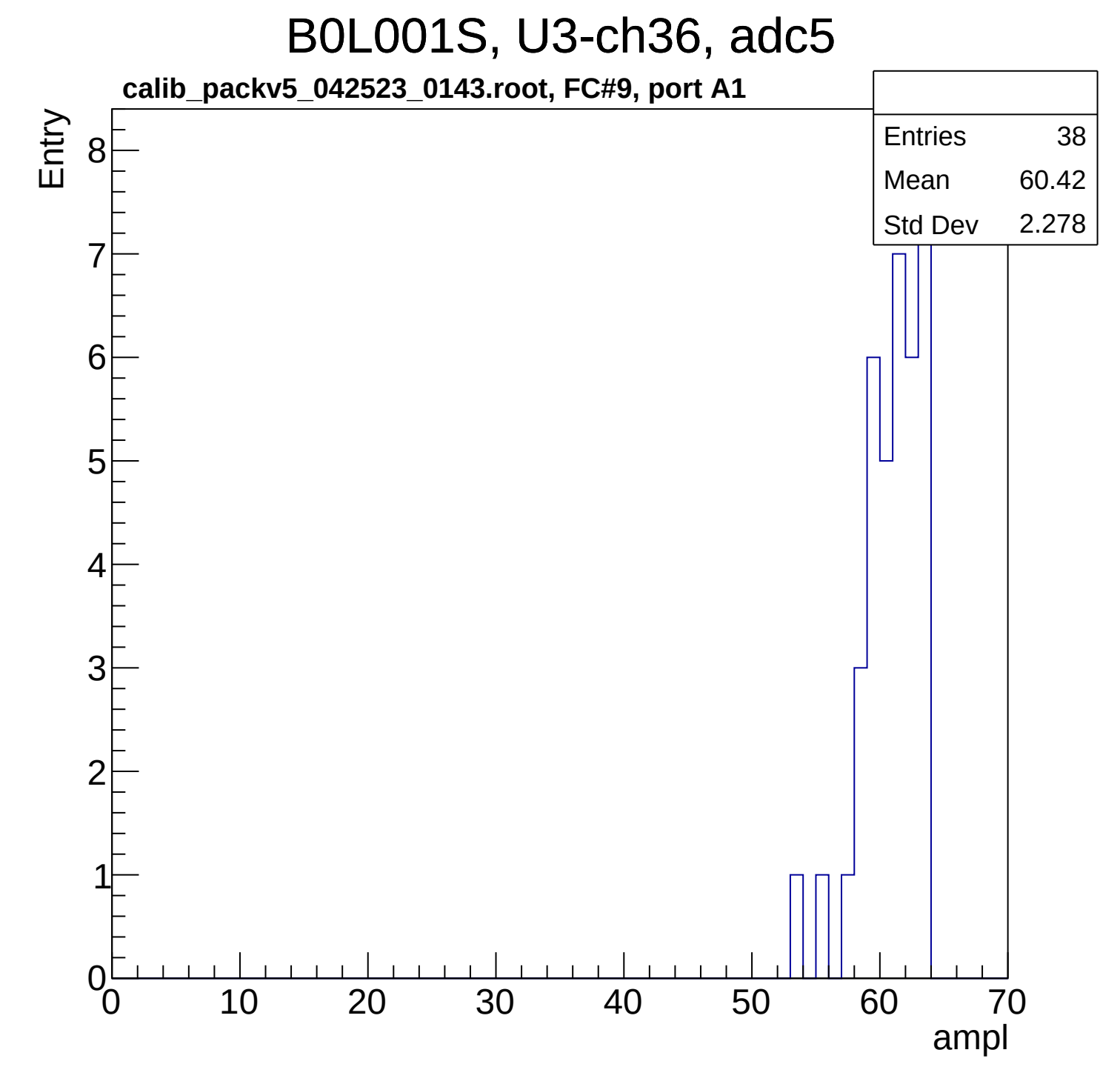
B0L001S, U3-ch36, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 60.42
Std Dev 2.278
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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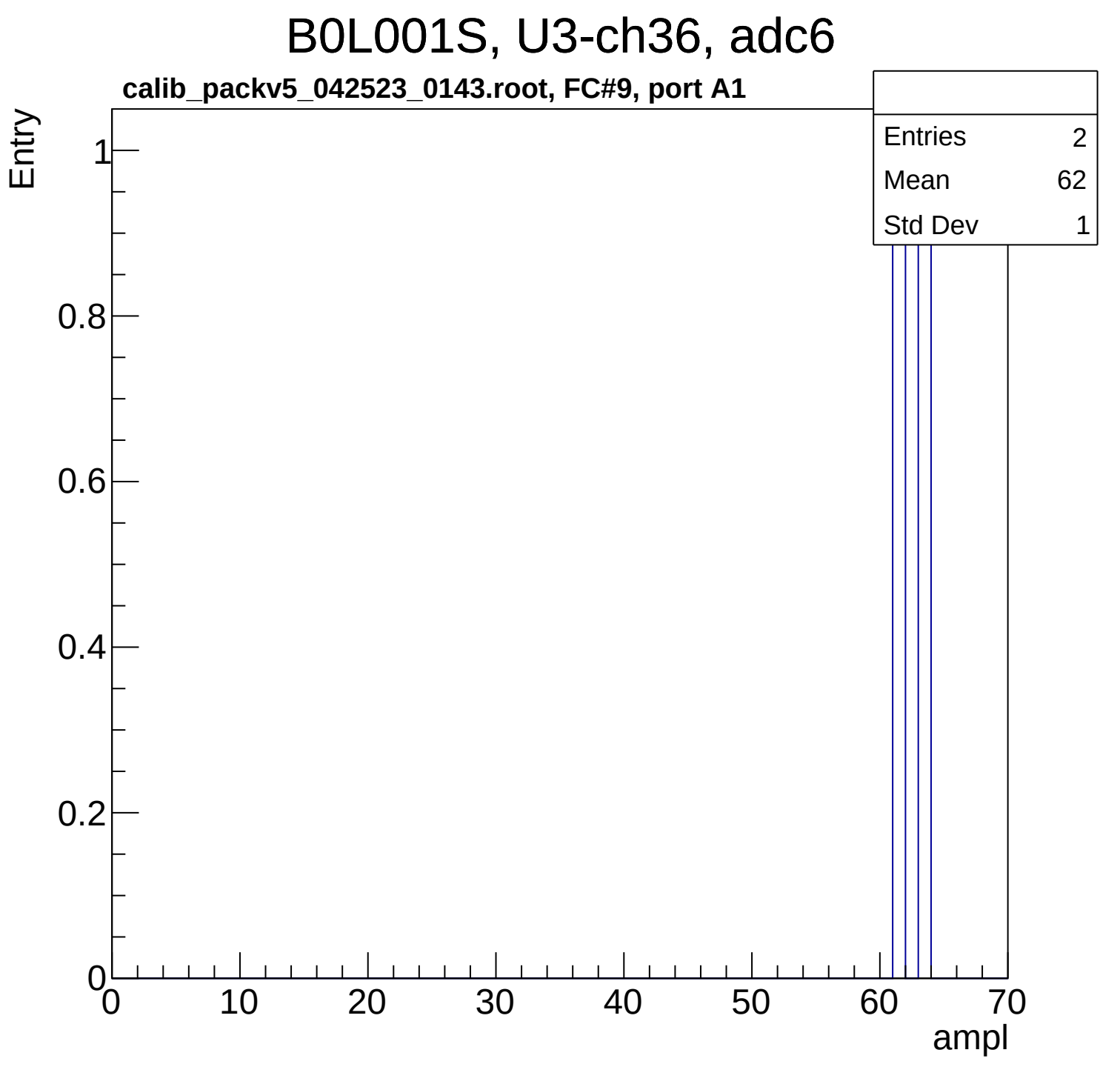
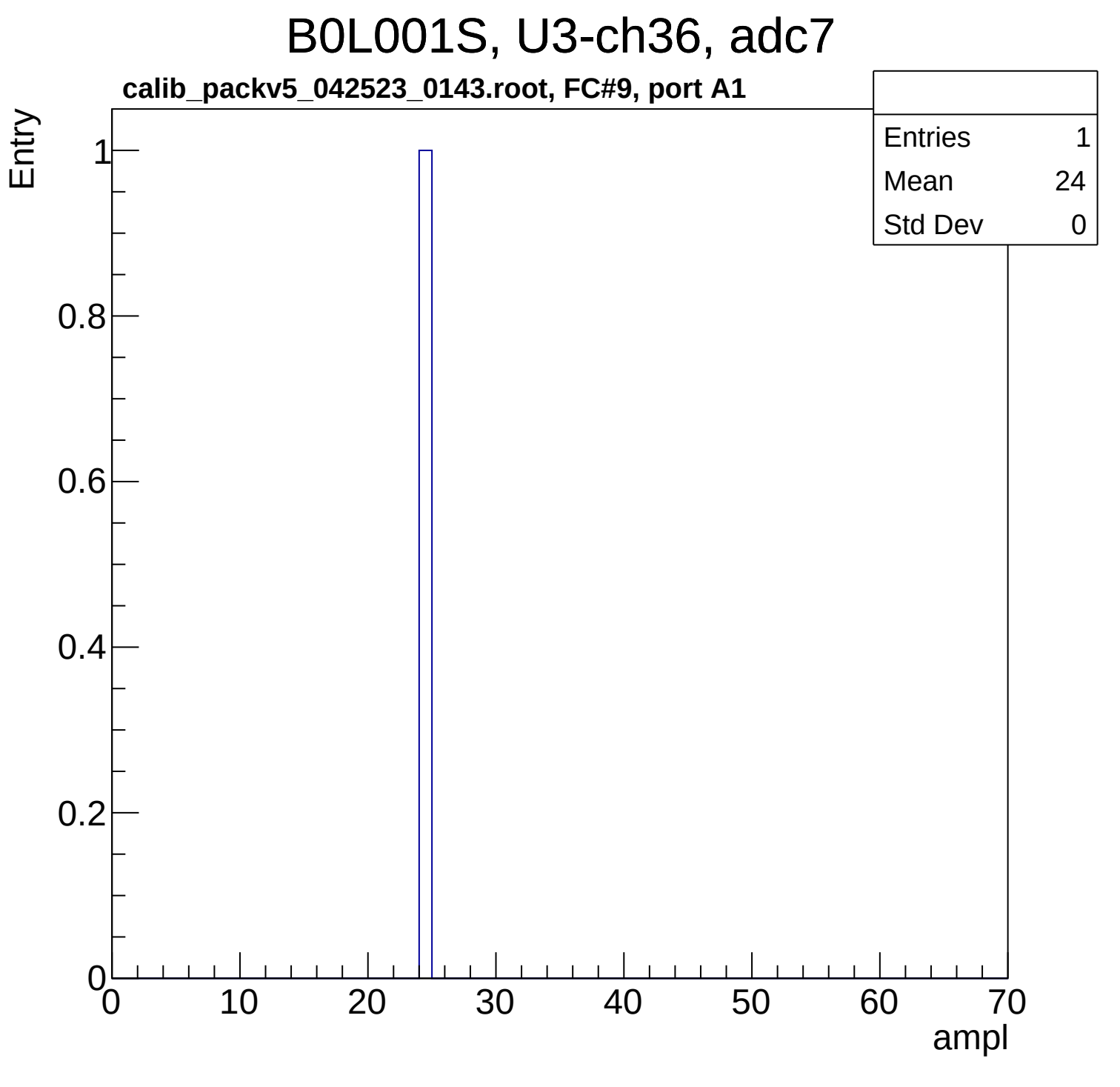

B0L001S, U3-ch36, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62
Std Dev 1
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch36, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 24
Std Dev 0
Entry
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0.6
0.4
0.2
0
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10
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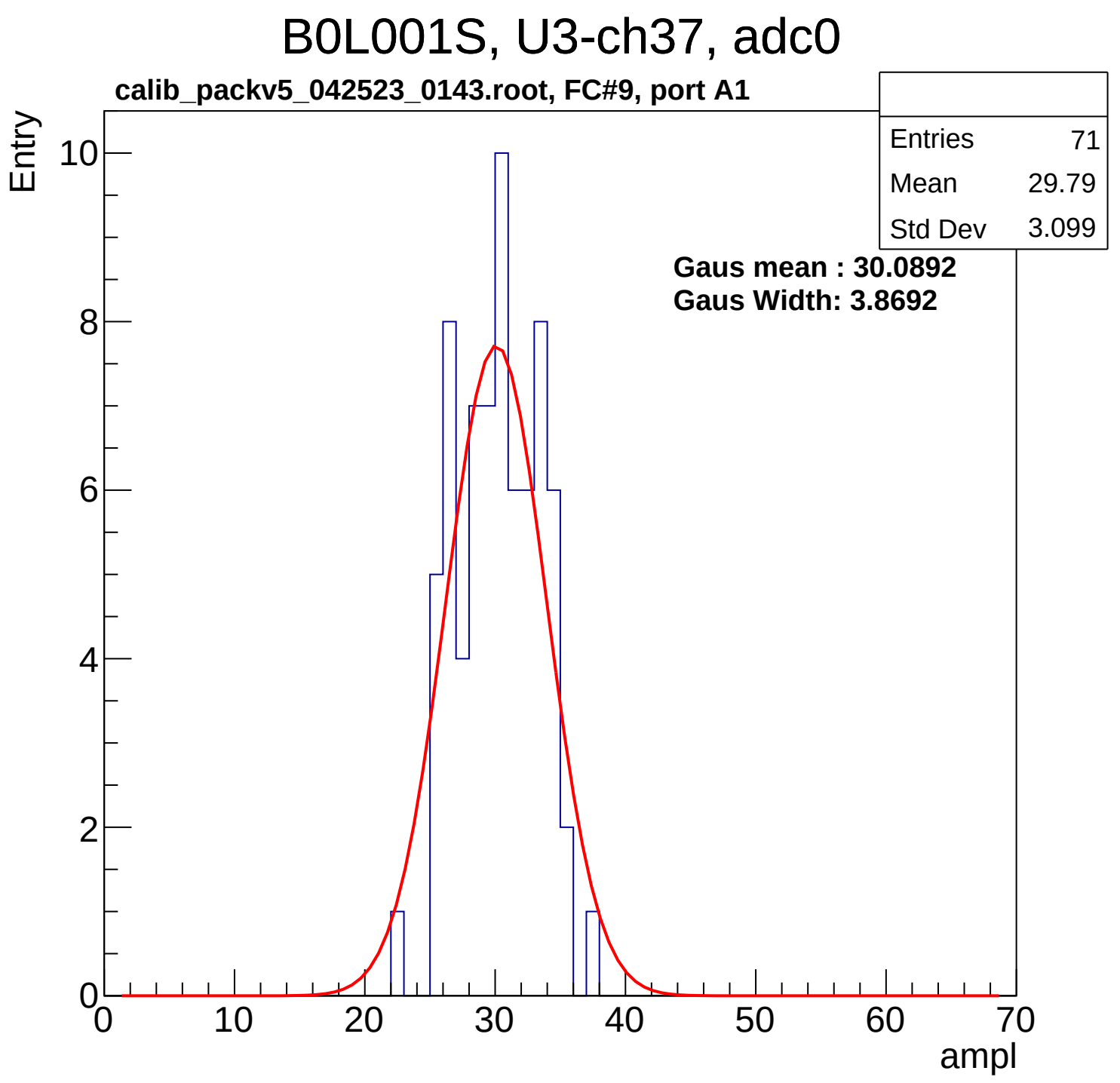
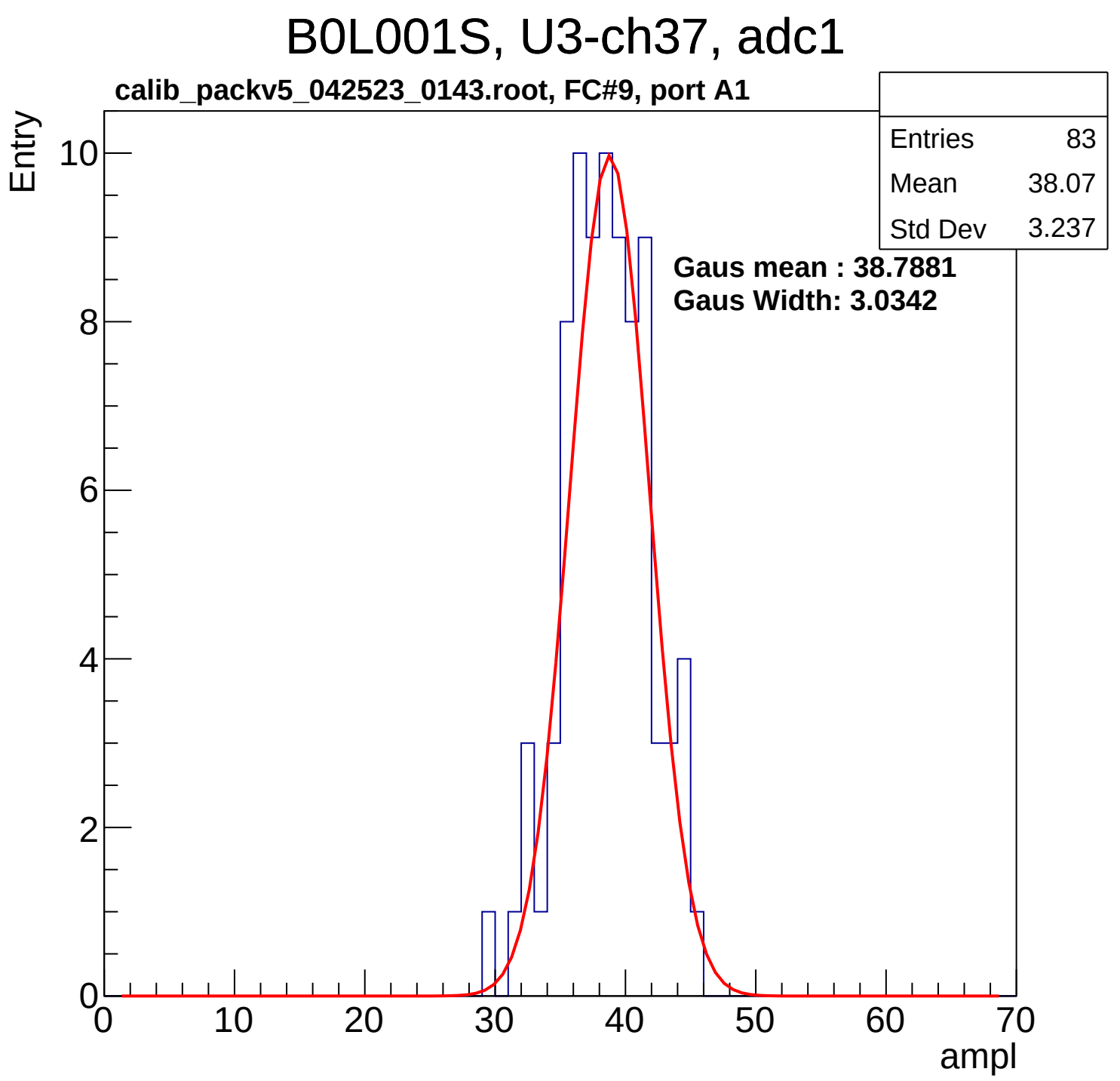
30
40
50
60
70
ampl


B0L001S, U3-ch37, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 29.79
Std Dev 3.099
Gaus mean : 30.0892
Gaus Width: 3.8692
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch37, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 38.07
Std Dev 3.237
Gaus mean : 38.7881
Gaus Width: 3.0342
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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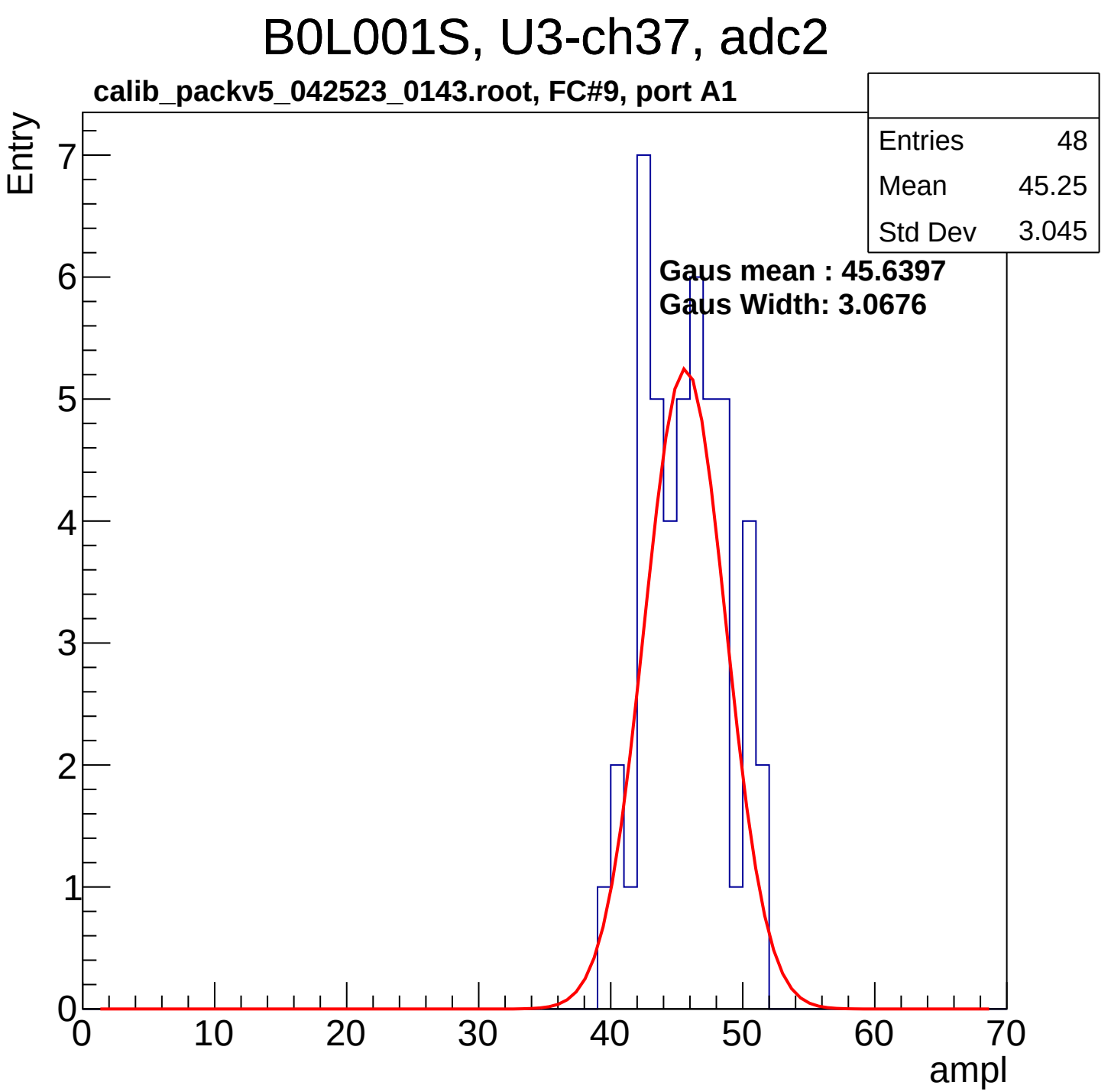
B0L001S, U3-ch37, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 45.25
Std Dev 3.045
Gaus mean : 45.6397
Gaus Width: 3.0676
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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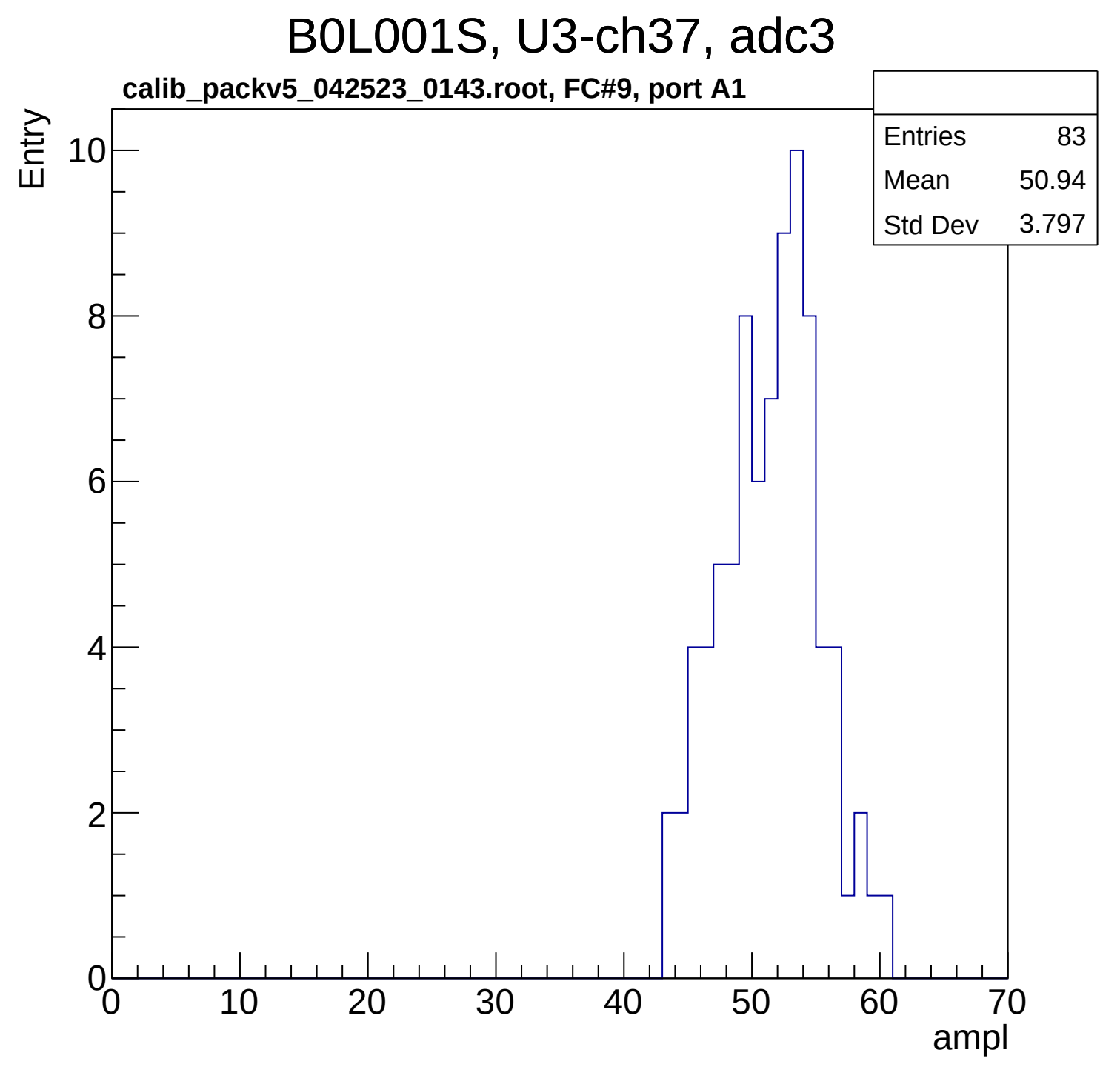
B0L001S, U3-ch37, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 50.94
Std Dev 3.797
Entry
ampl
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0
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60
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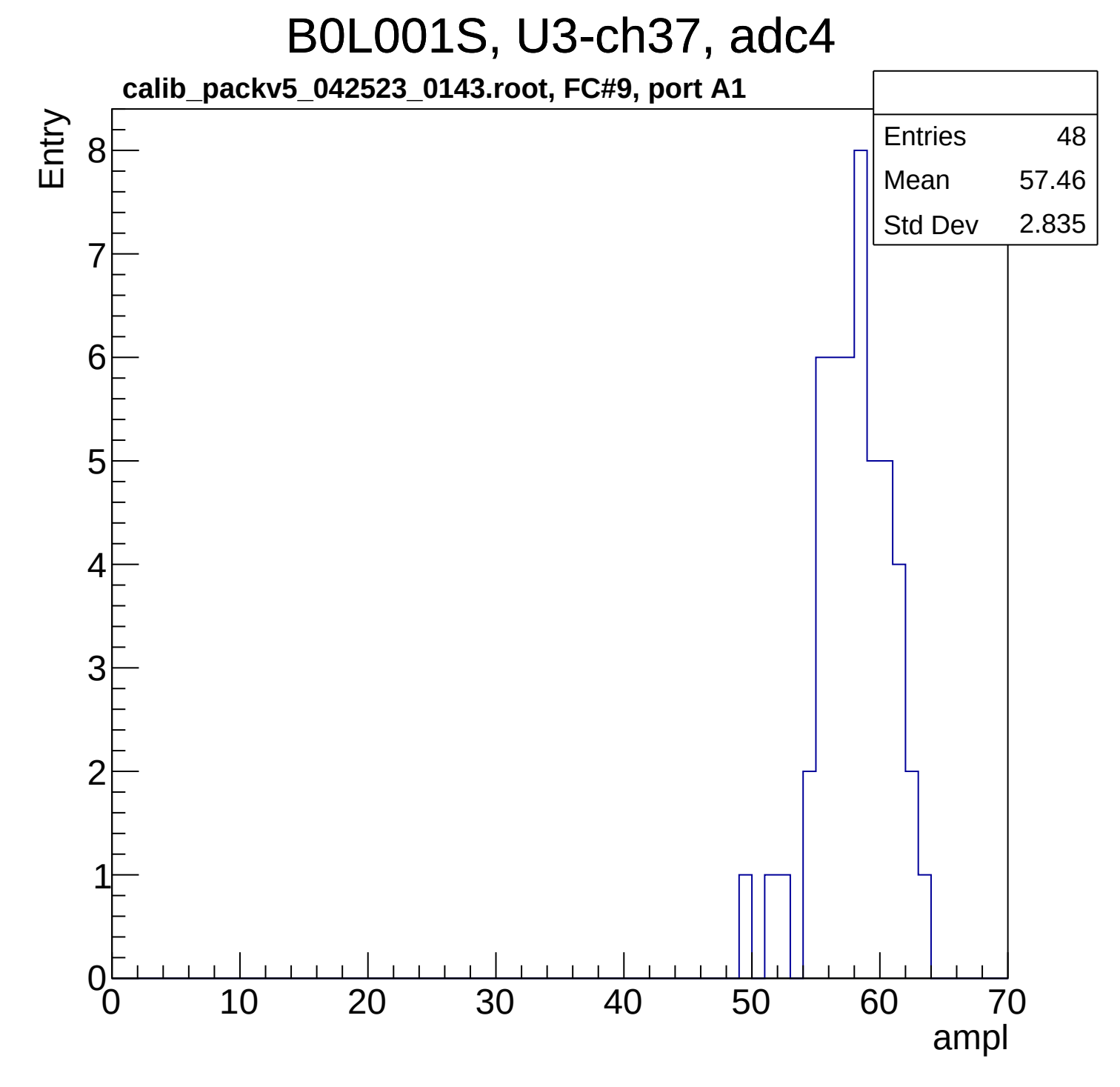
B0L001S, U3-ch37, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 57.46
Std Dev 2.835
Entry
ampl
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3
4
5
6
7
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0
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20
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60
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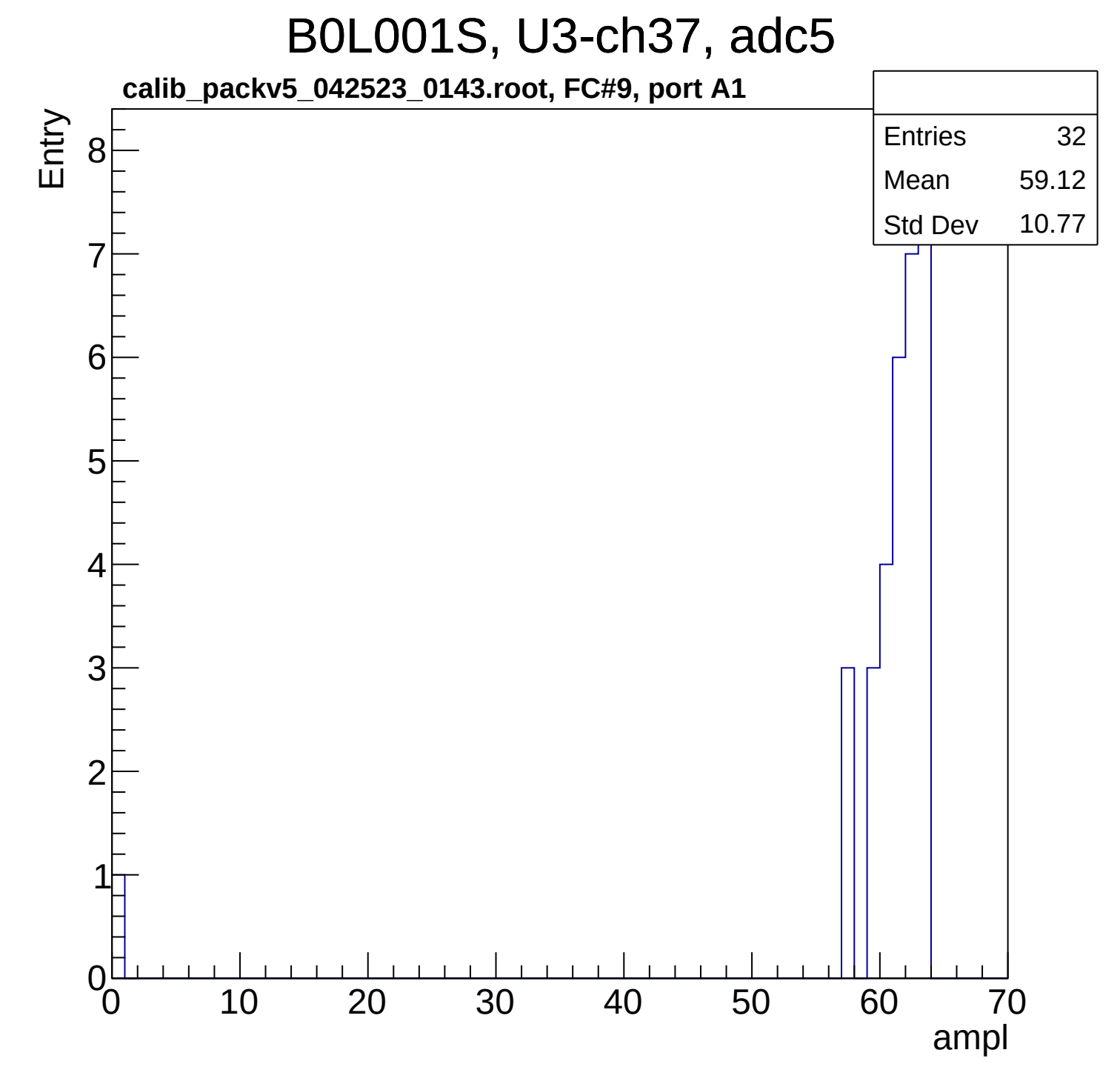
B0L001S, U3-ch37, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 59.12
Std Dev 10.77
Entry
ampl
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4
5
6
7
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0
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50
60
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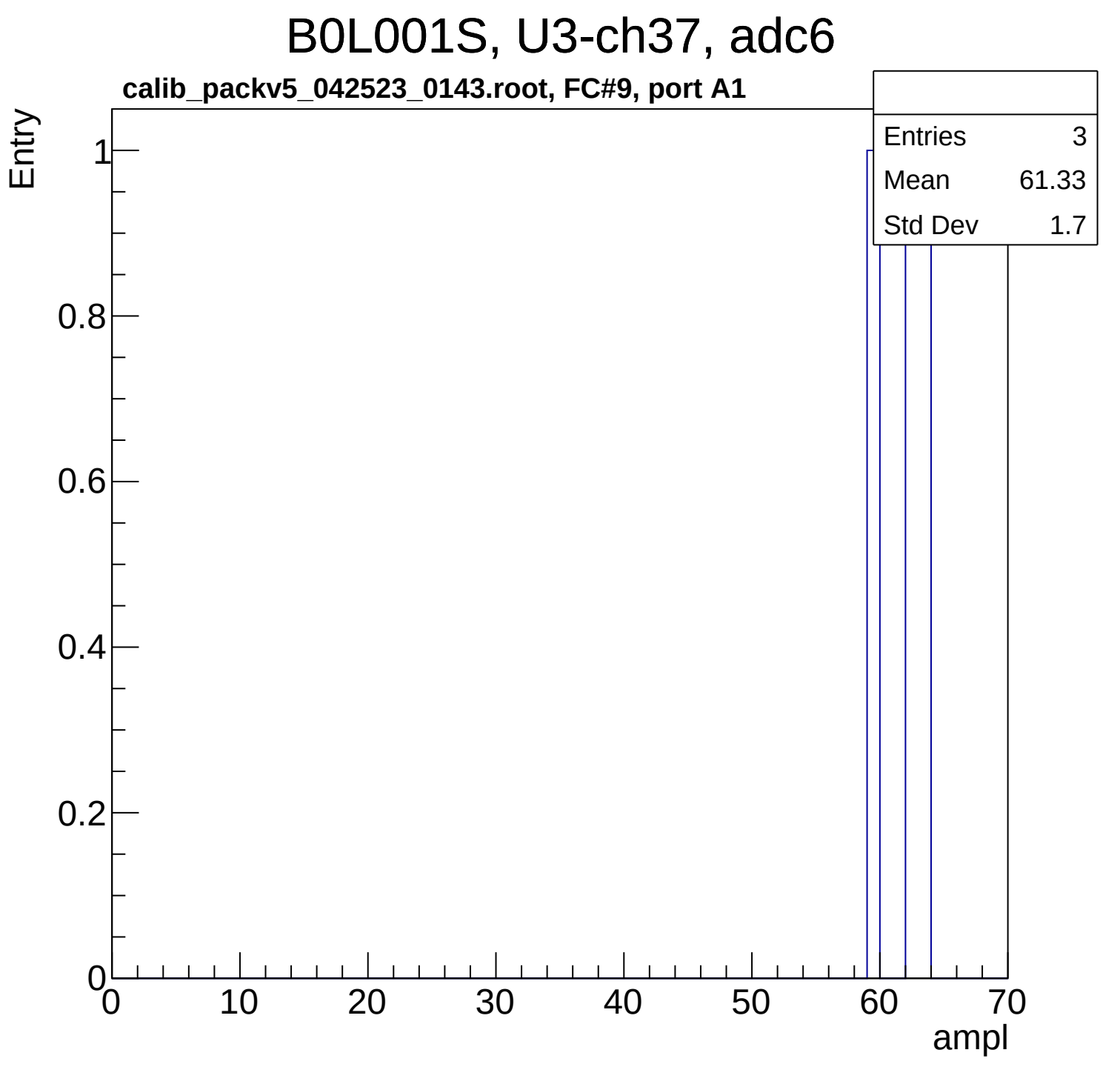
B0L001S, U3-ch37, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 61.33
Std Dev 1.7
Entry
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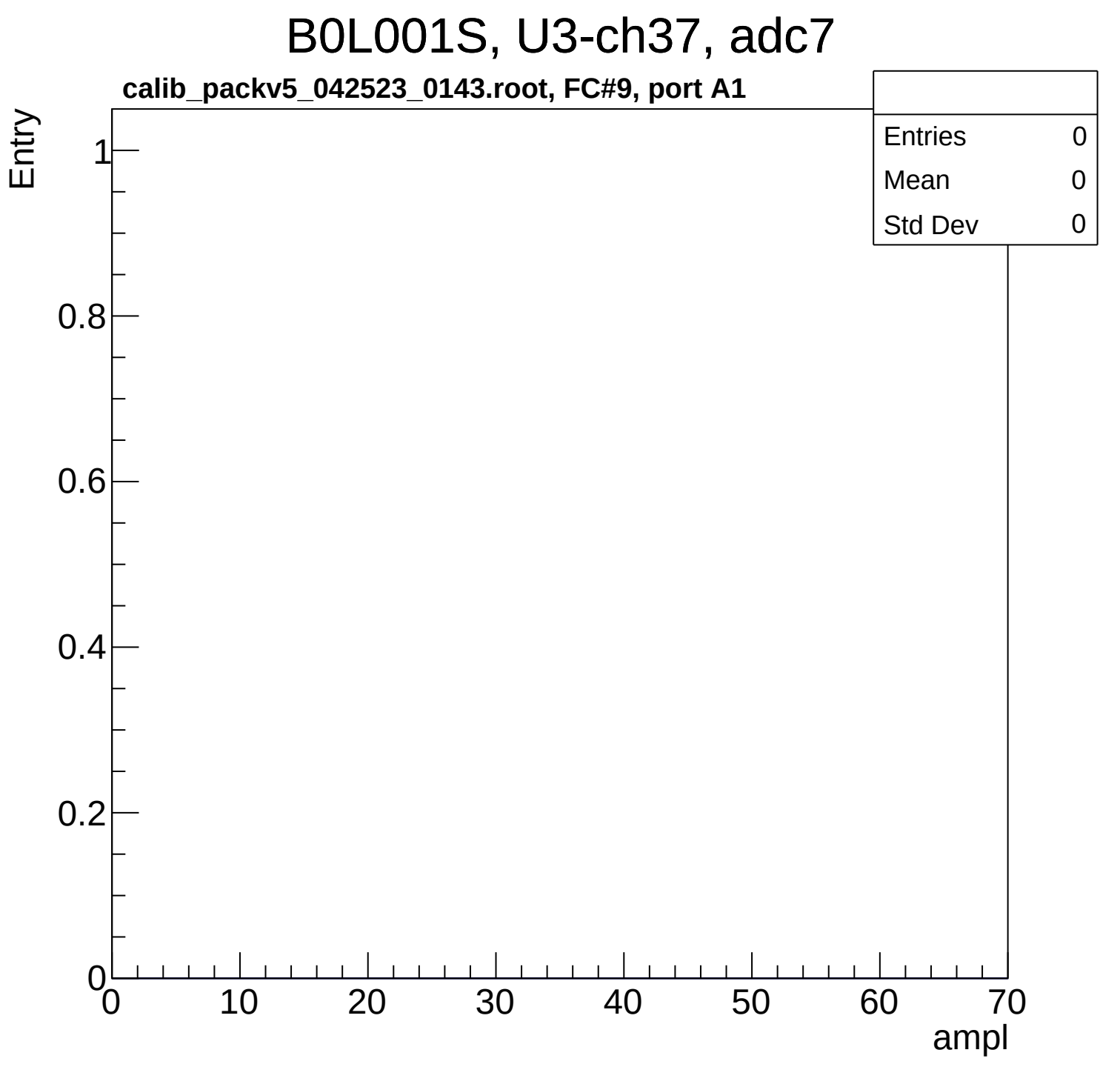
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch37, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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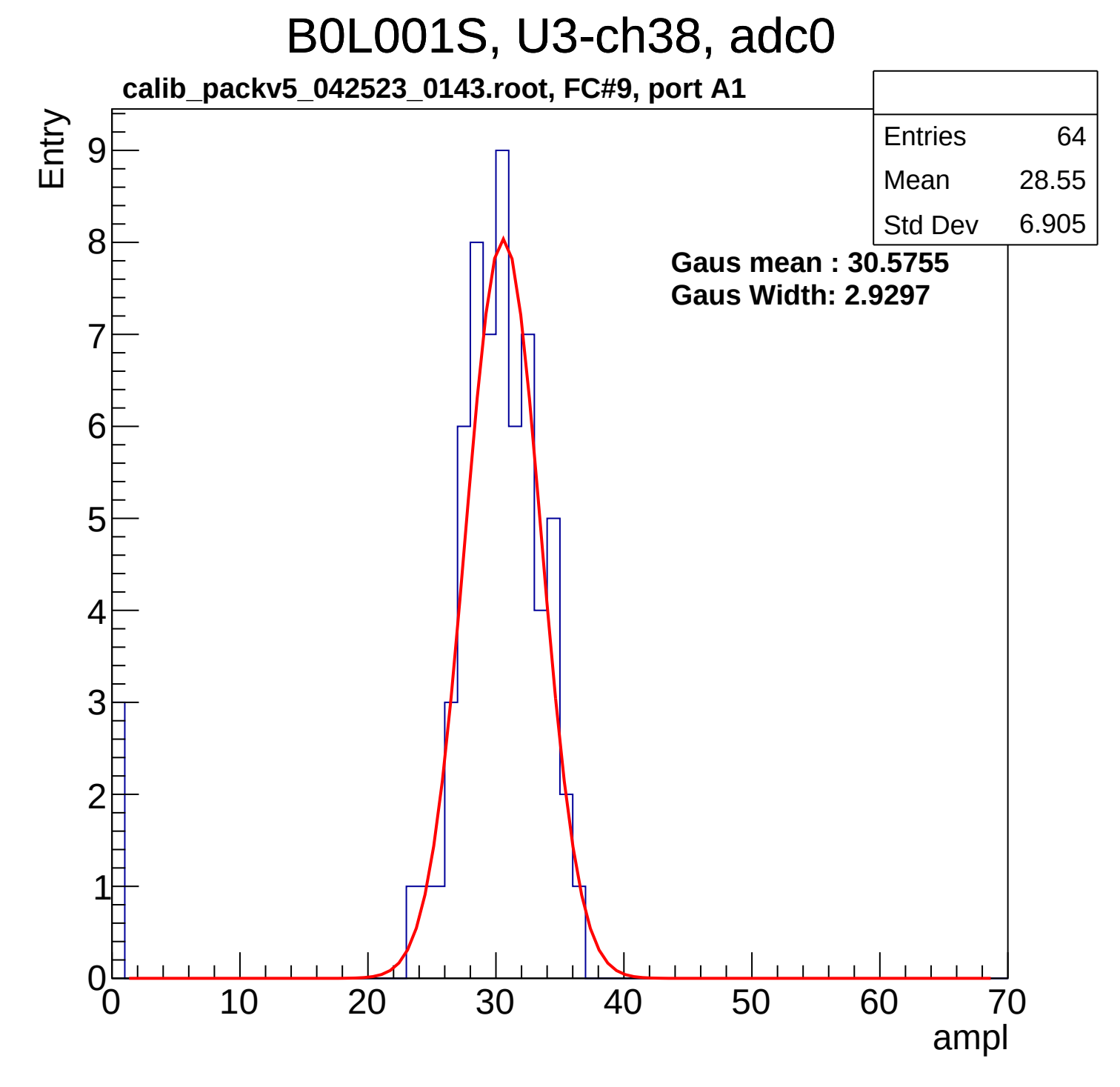
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch38, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 28.55
Std Dev 6.905
Gaus mean : 30.5755
Gaus Width: 2.9297
Entry
ampl
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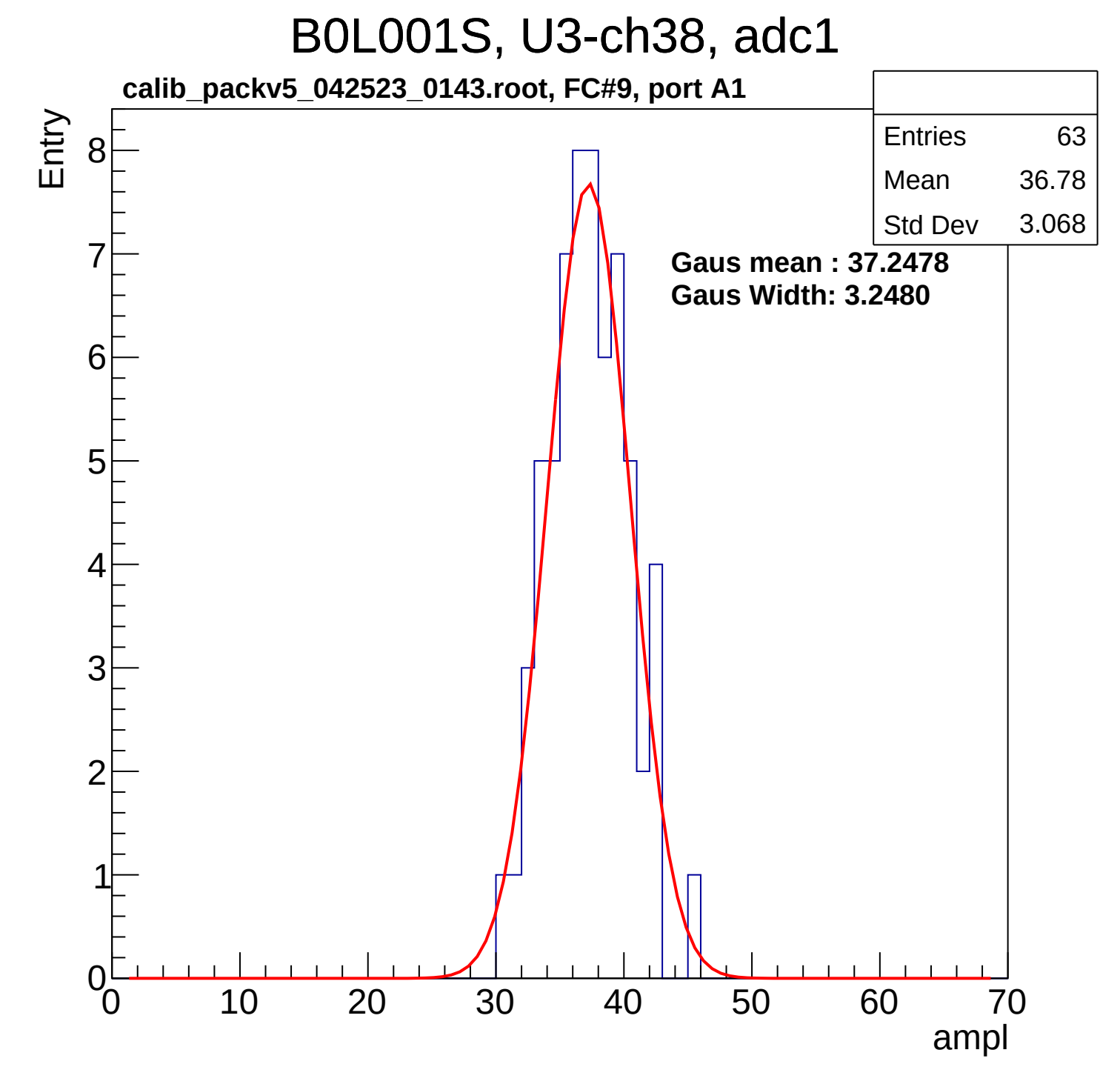
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch38, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 36.78
Std Dev 3.068
Gaus mean : 37.2478
Gaus Width: 3.2480
Entry
ampl
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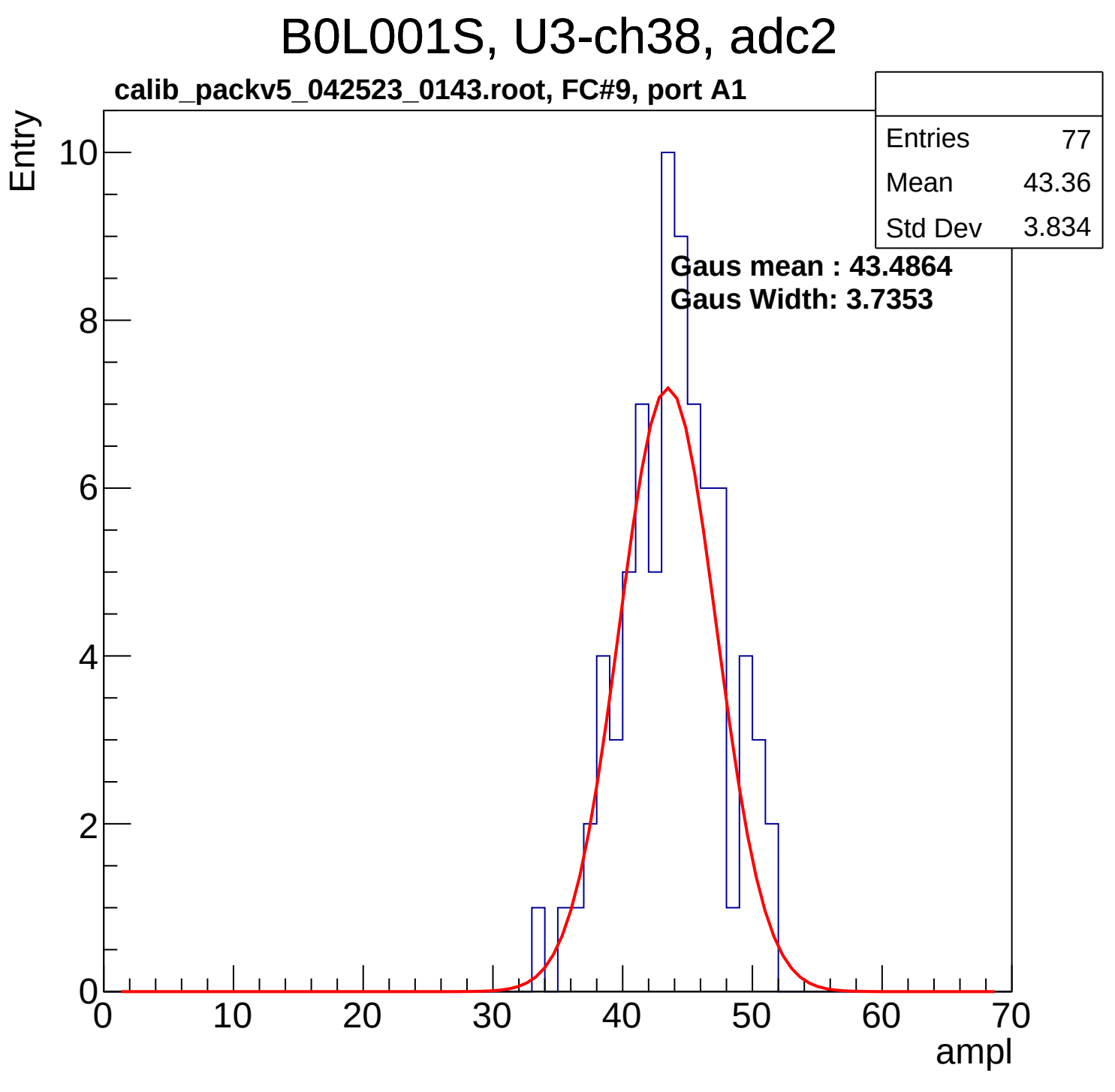
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch38, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 43.36
Std Dev 3.834
Gaus mean : 43.4864
Gaus Width: 3.7353
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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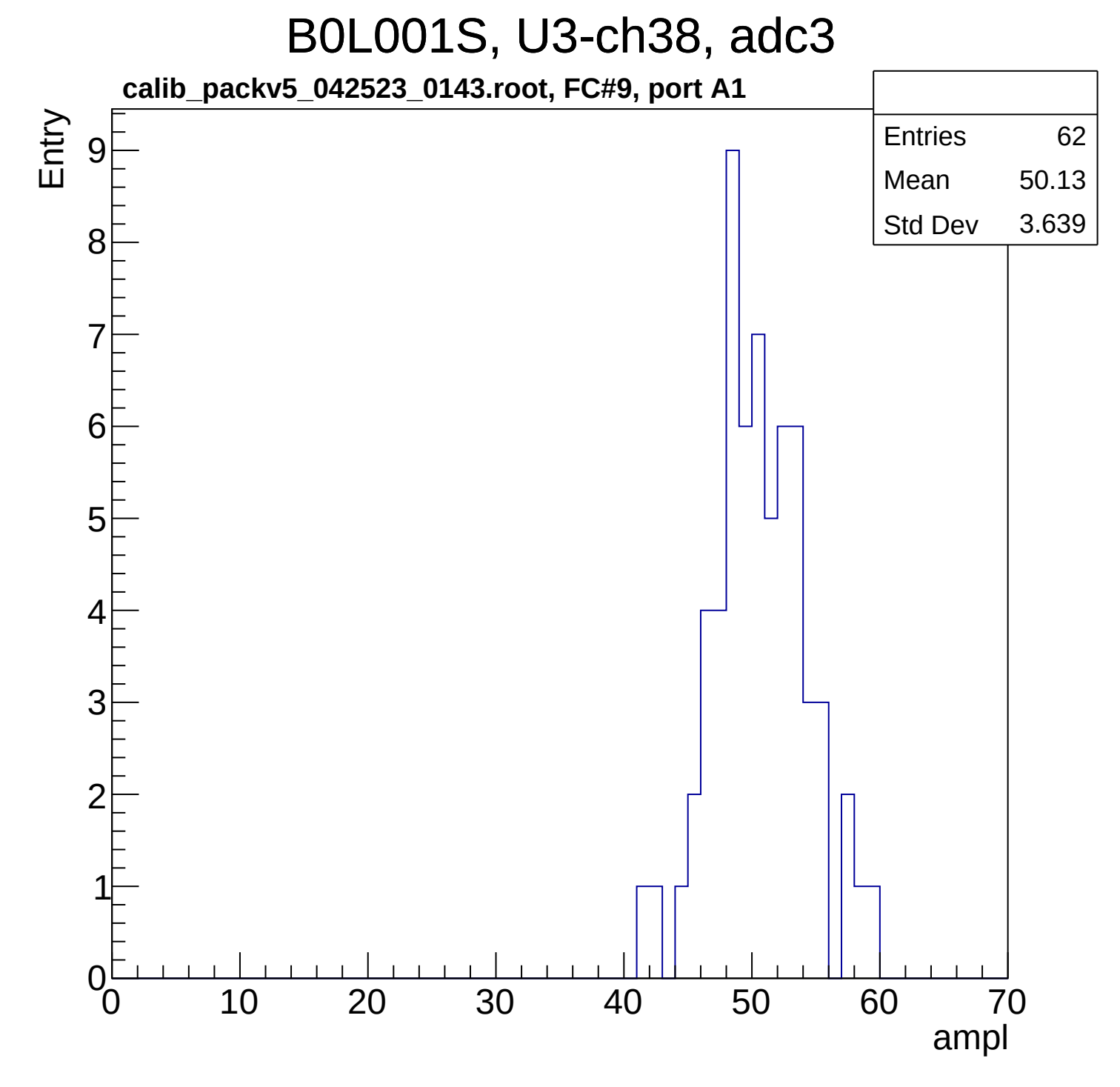
B0L001S, U3-ch38, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 50.13
Std Dev 3.639
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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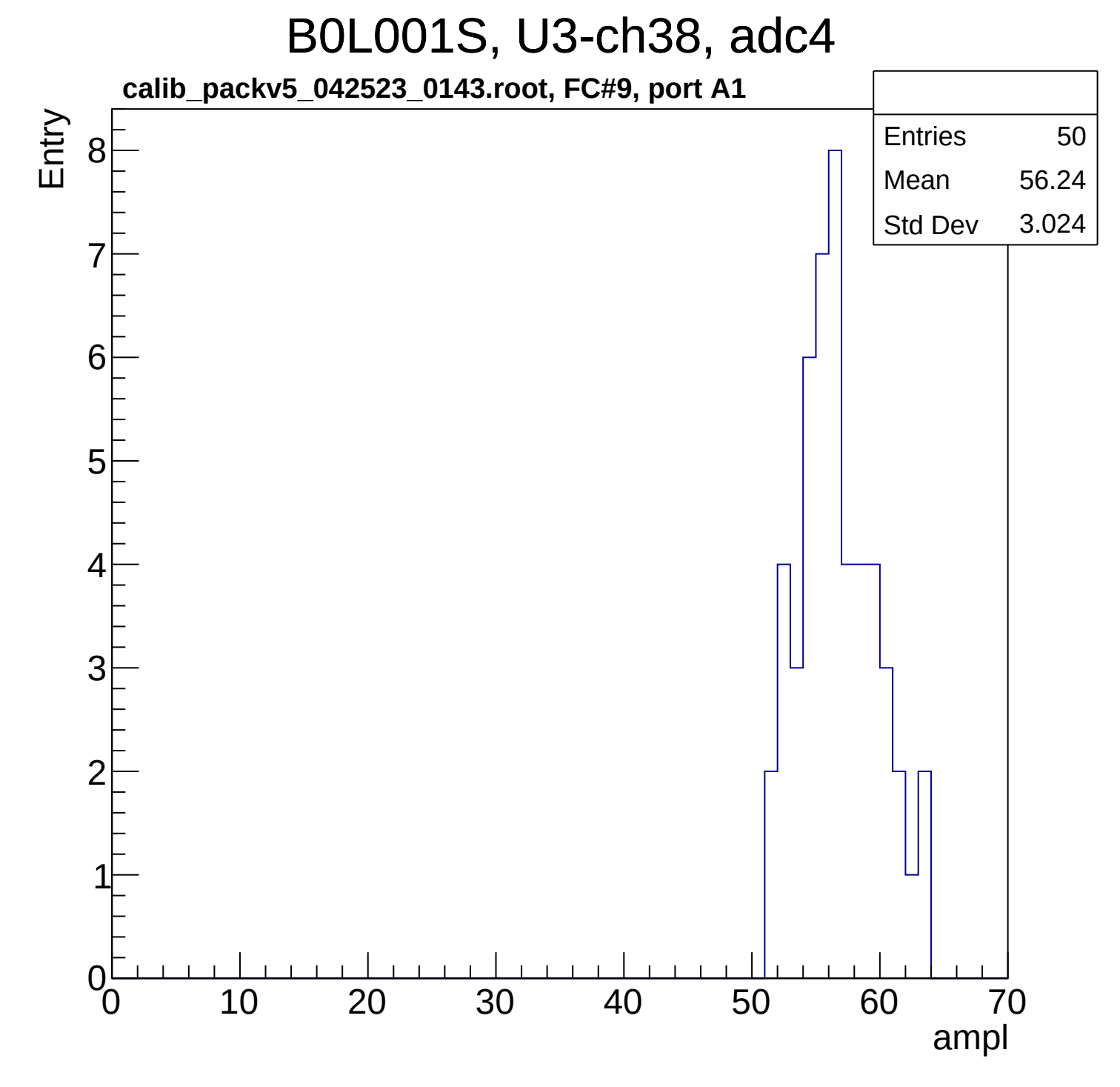
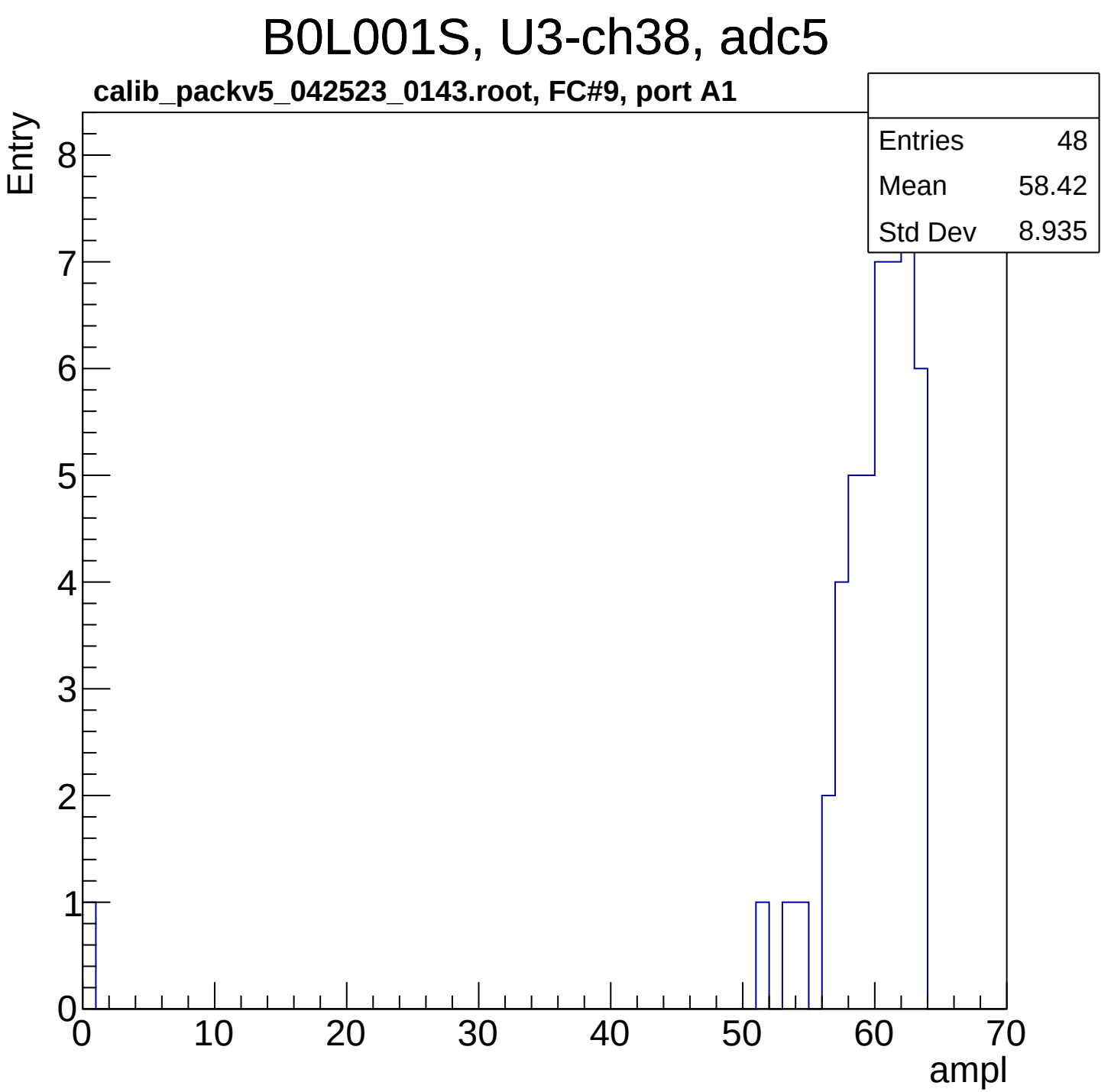

B0L001S, U3-ch38, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 56.24
Std Dev 3.024
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch38, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 58.42
Std Dev 8.935
Entry
0
1
2
3
4
5
6
7
8
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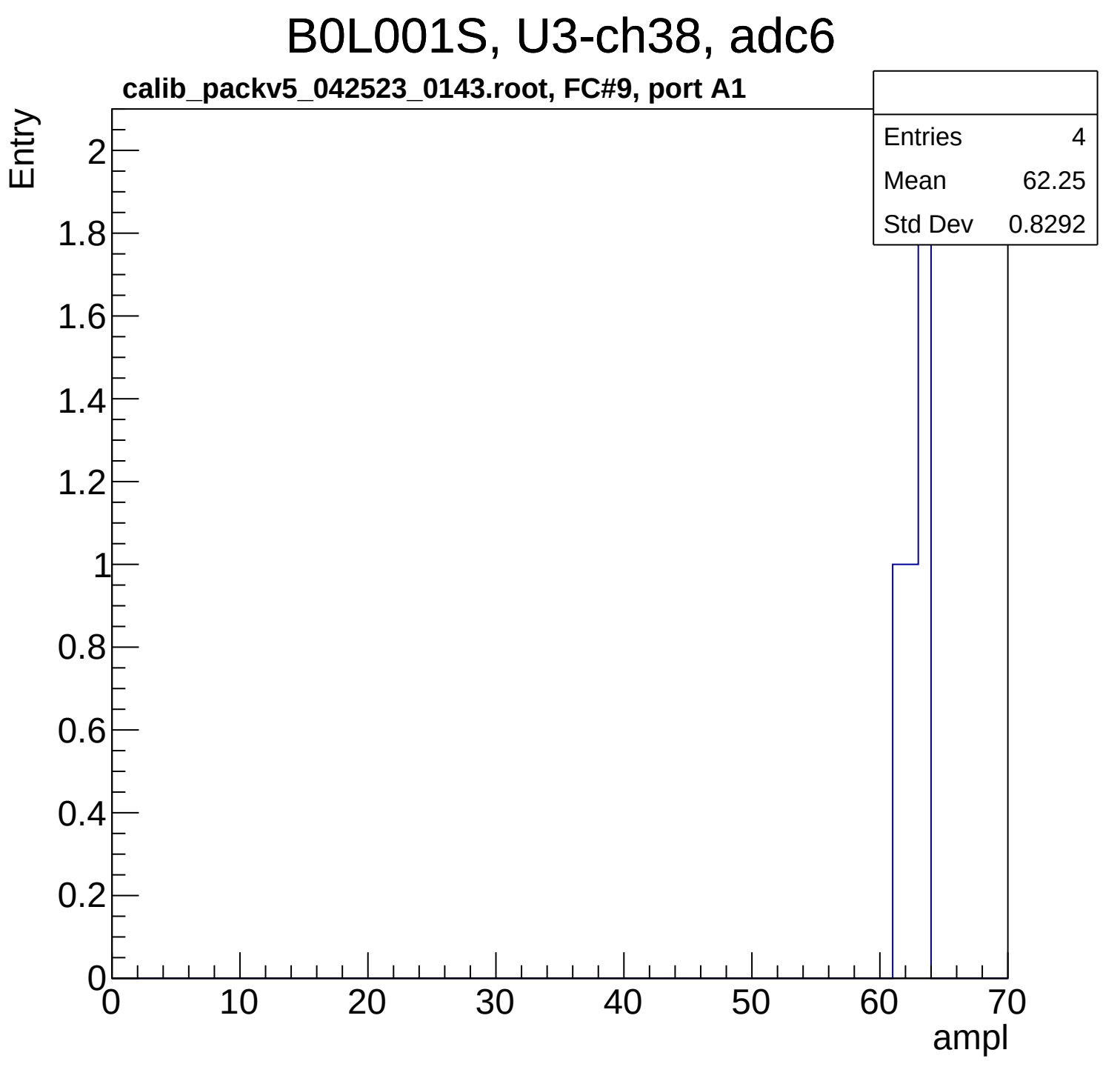
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch38, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 62.25
Std Dev 0.8292
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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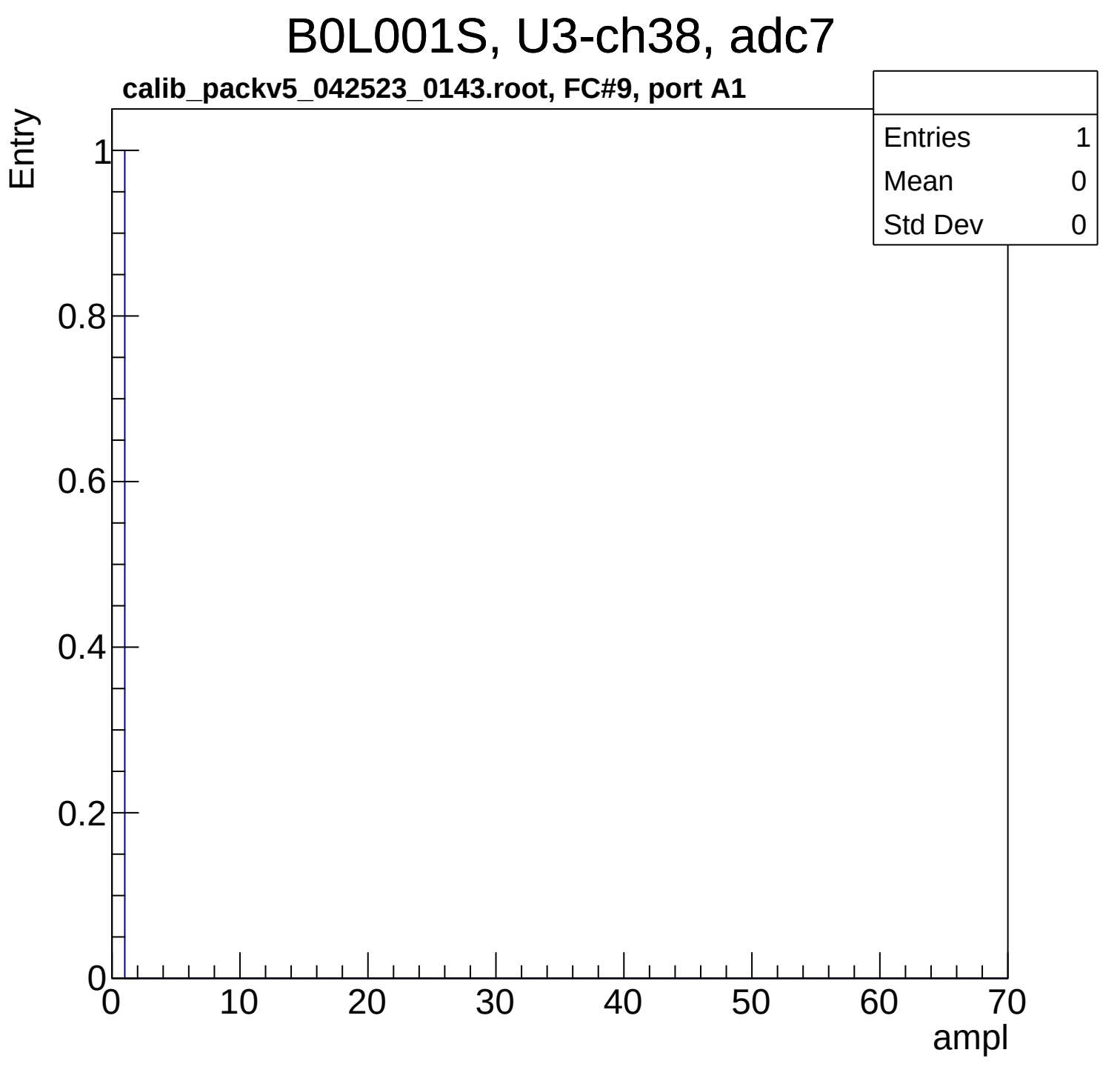
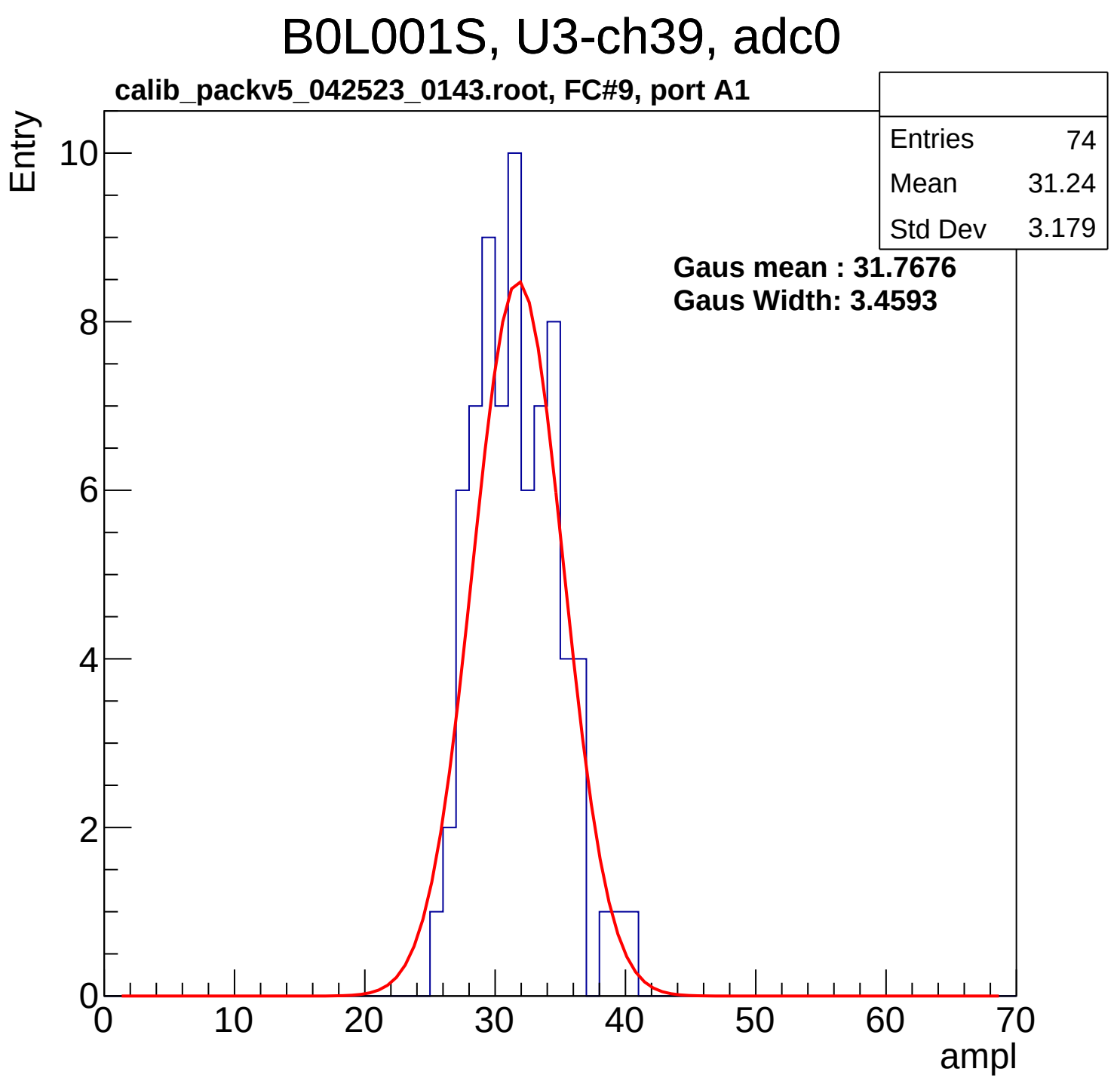
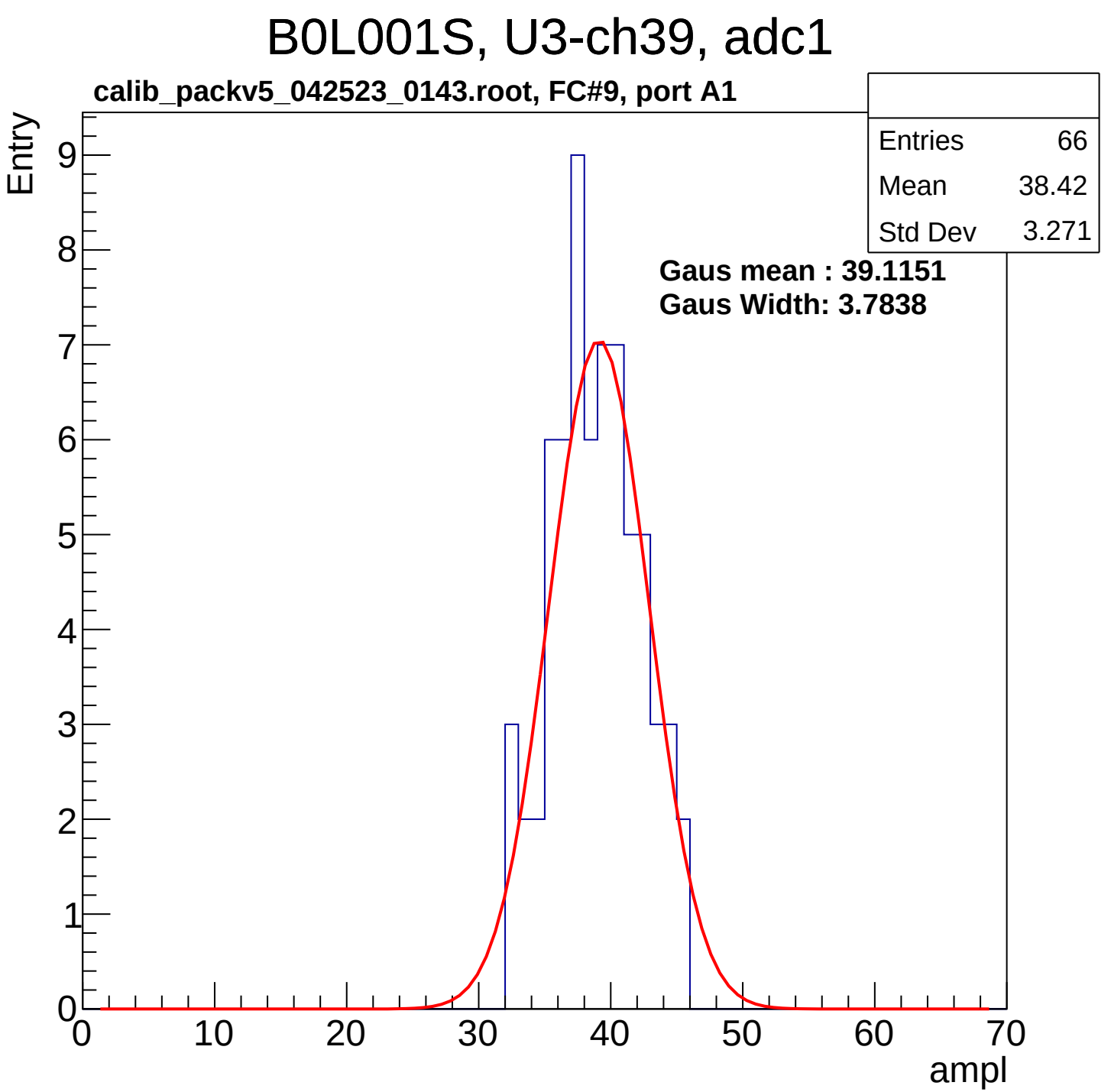

B0L001S, U3-ch38, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch39, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 31.24
Std Dev 3.179
Gaus mean : 31.7676
Gaus Width: 3.4593
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch39, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 38.42
Std Dev 3.271
Gaus mean : 39.1151
Gaus Width: 3.7838
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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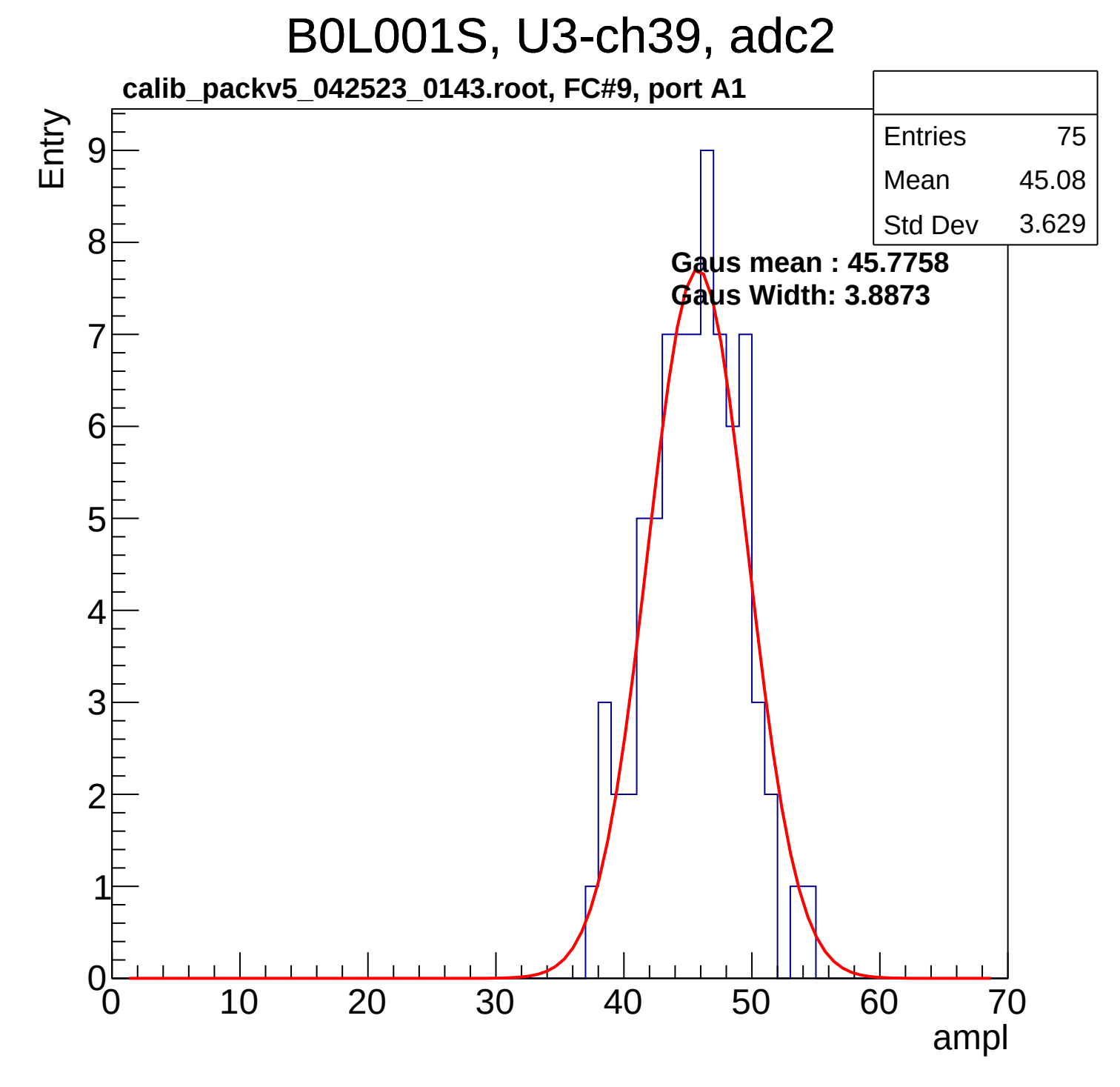
B0L001S, U3-ch39, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 45.08
Std Dev 3.629
Gaus mean : 45.7758
Gaus Width: 3.8873
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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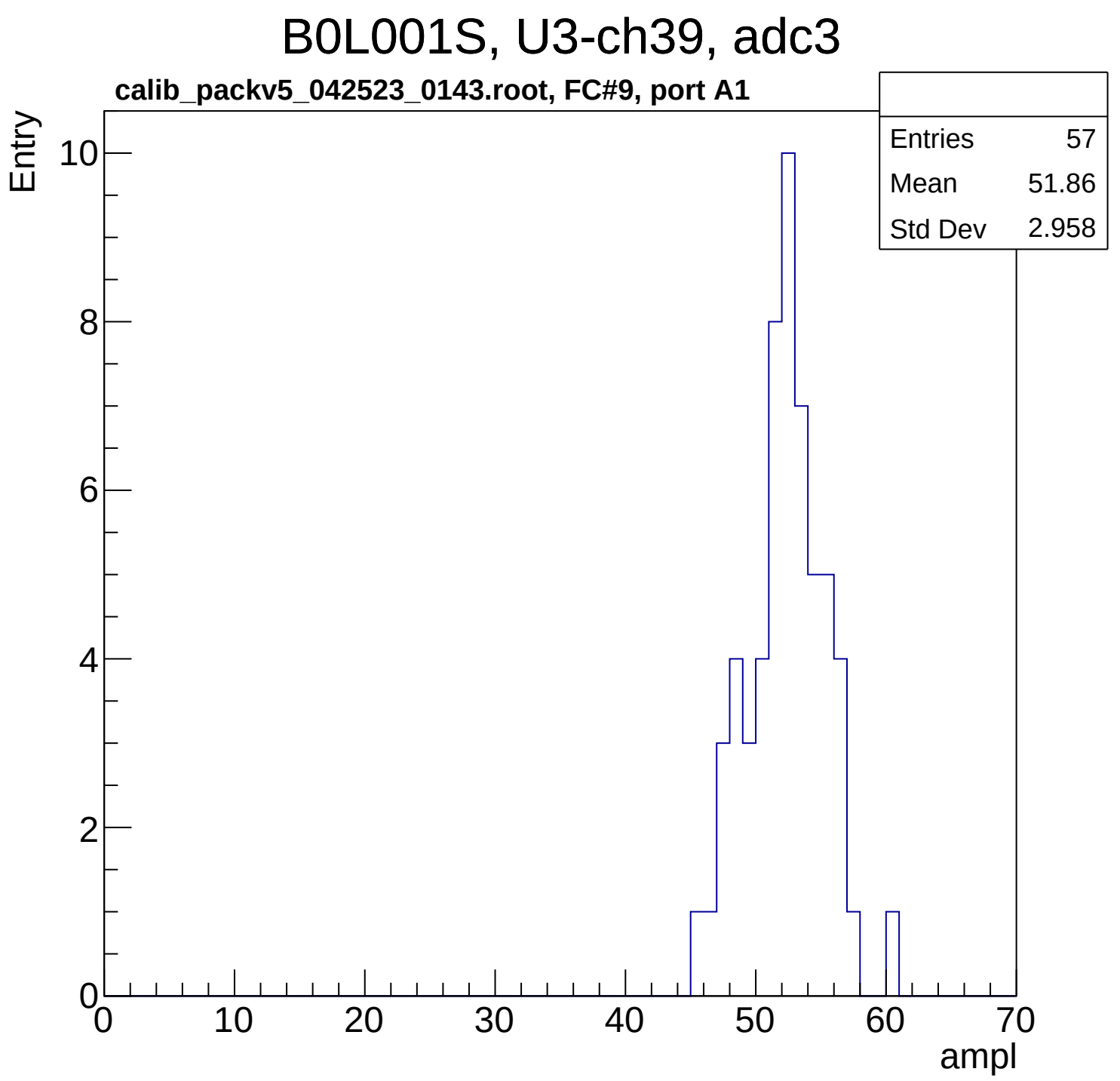
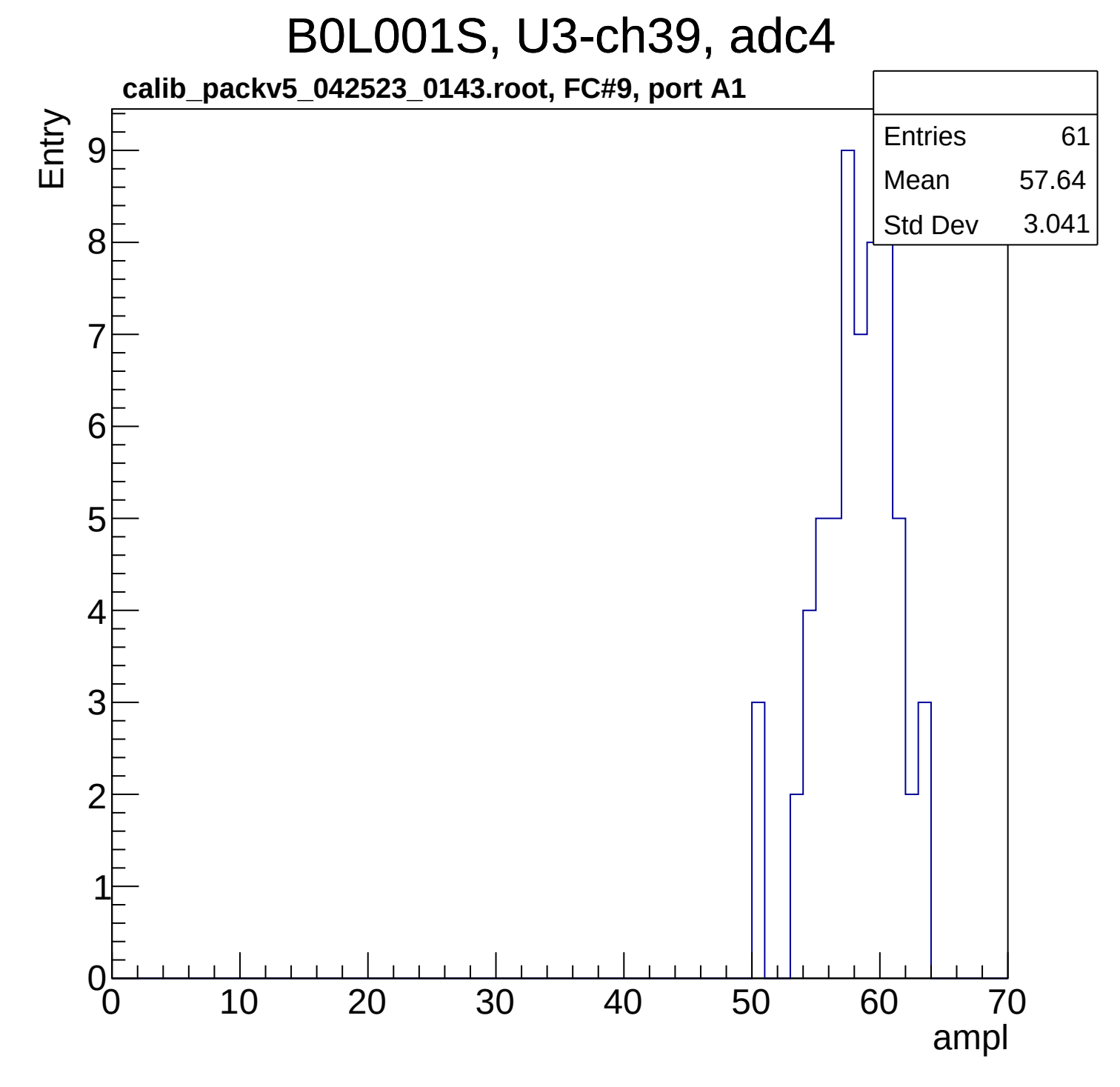

B0L001S, U3-ch39, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 51.86
Std Dev 2.958
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch39, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 57.64
Std Dev 3.041
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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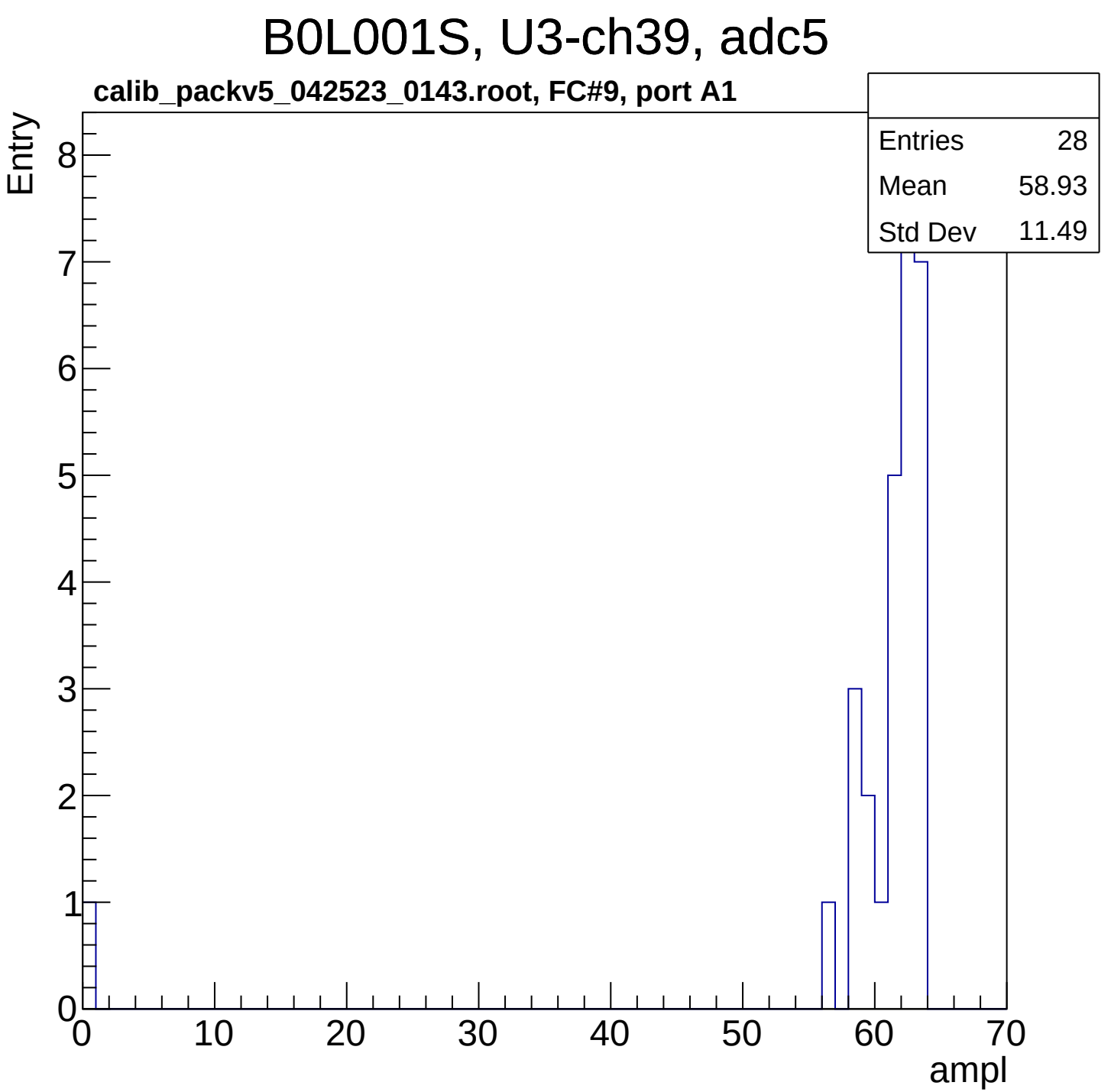
B0L001S, U3-ch39, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 28
Mean 58.93
Std Dev 11.49
Entry
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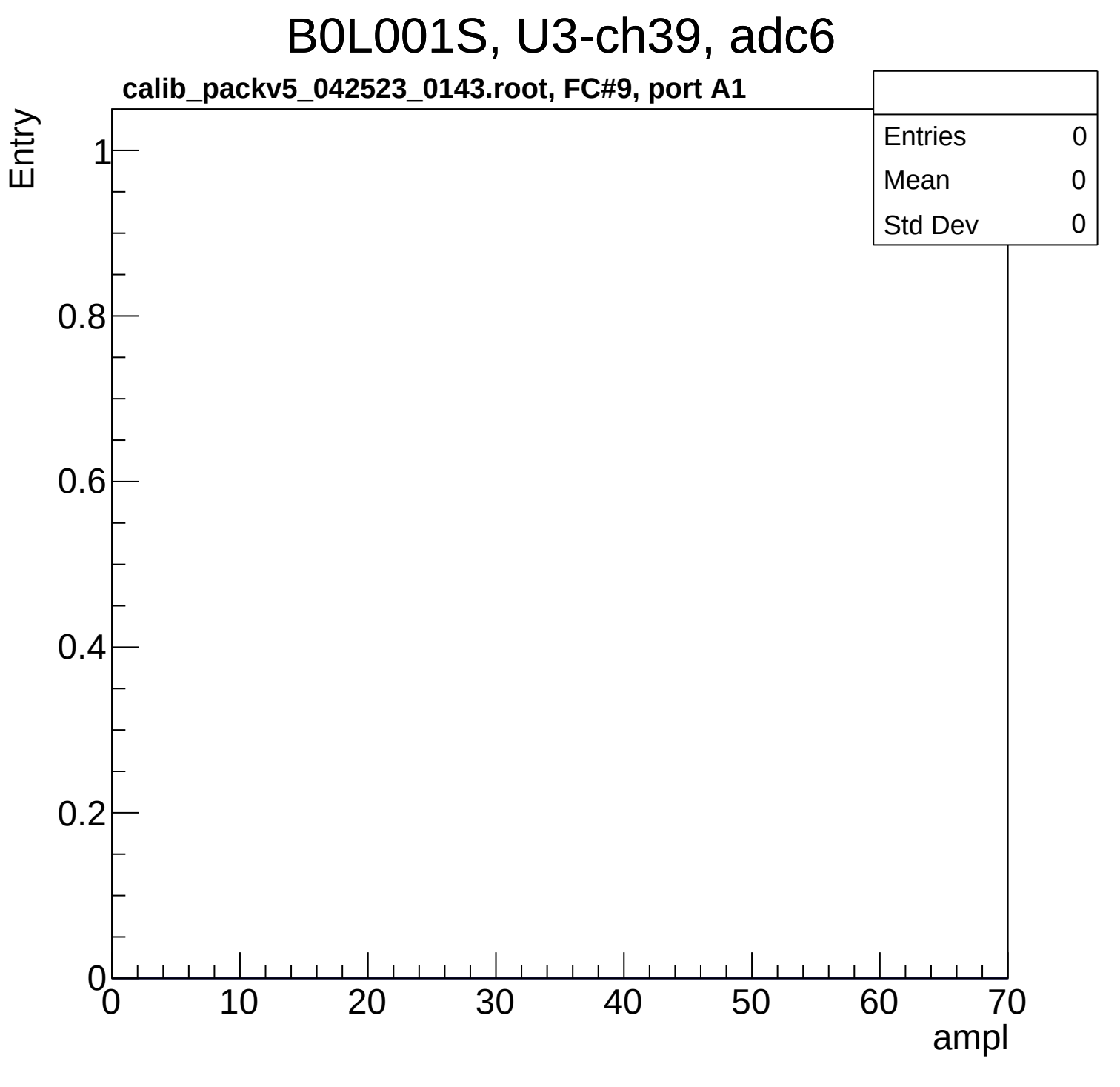
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch39, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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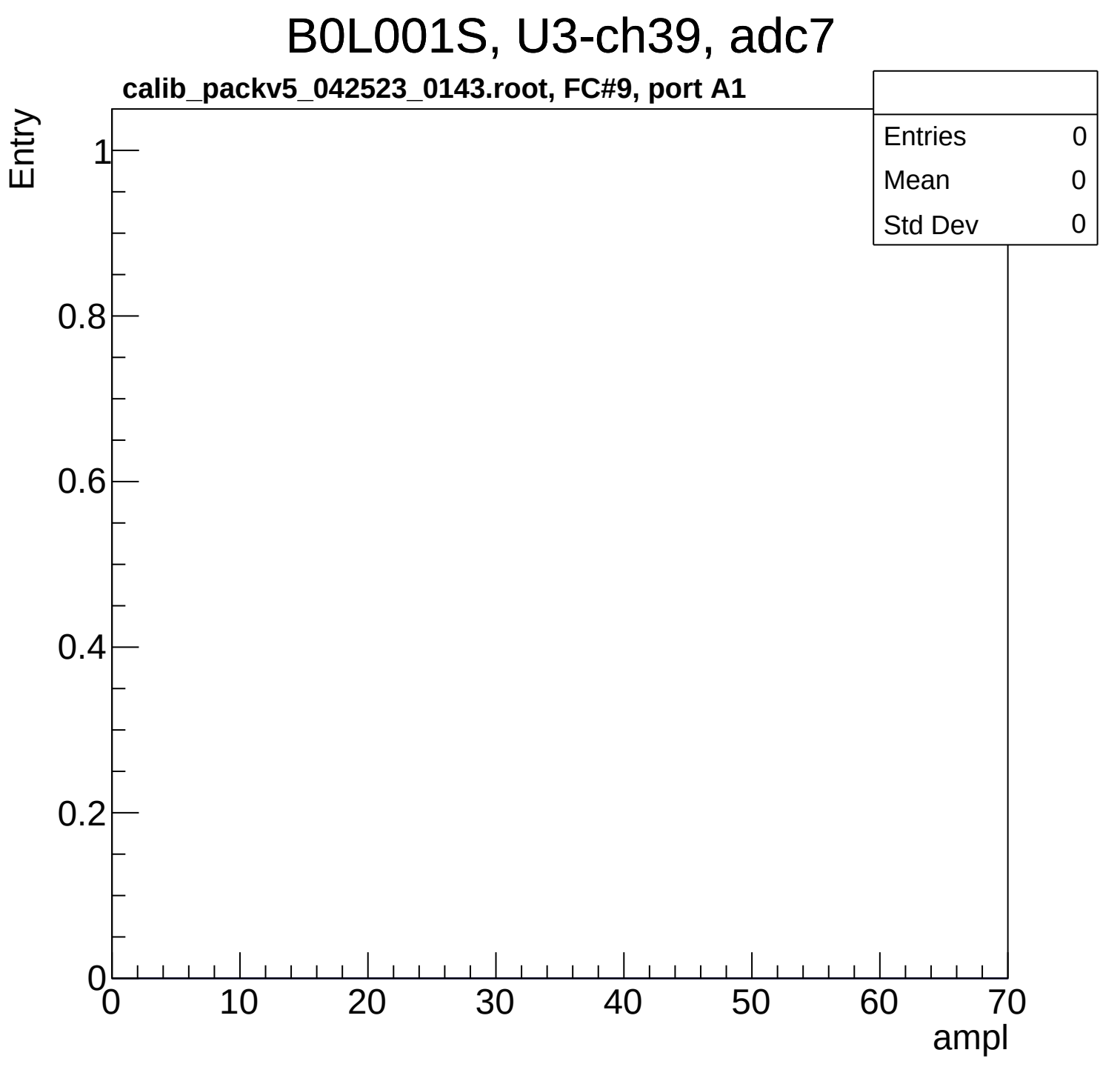
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch39, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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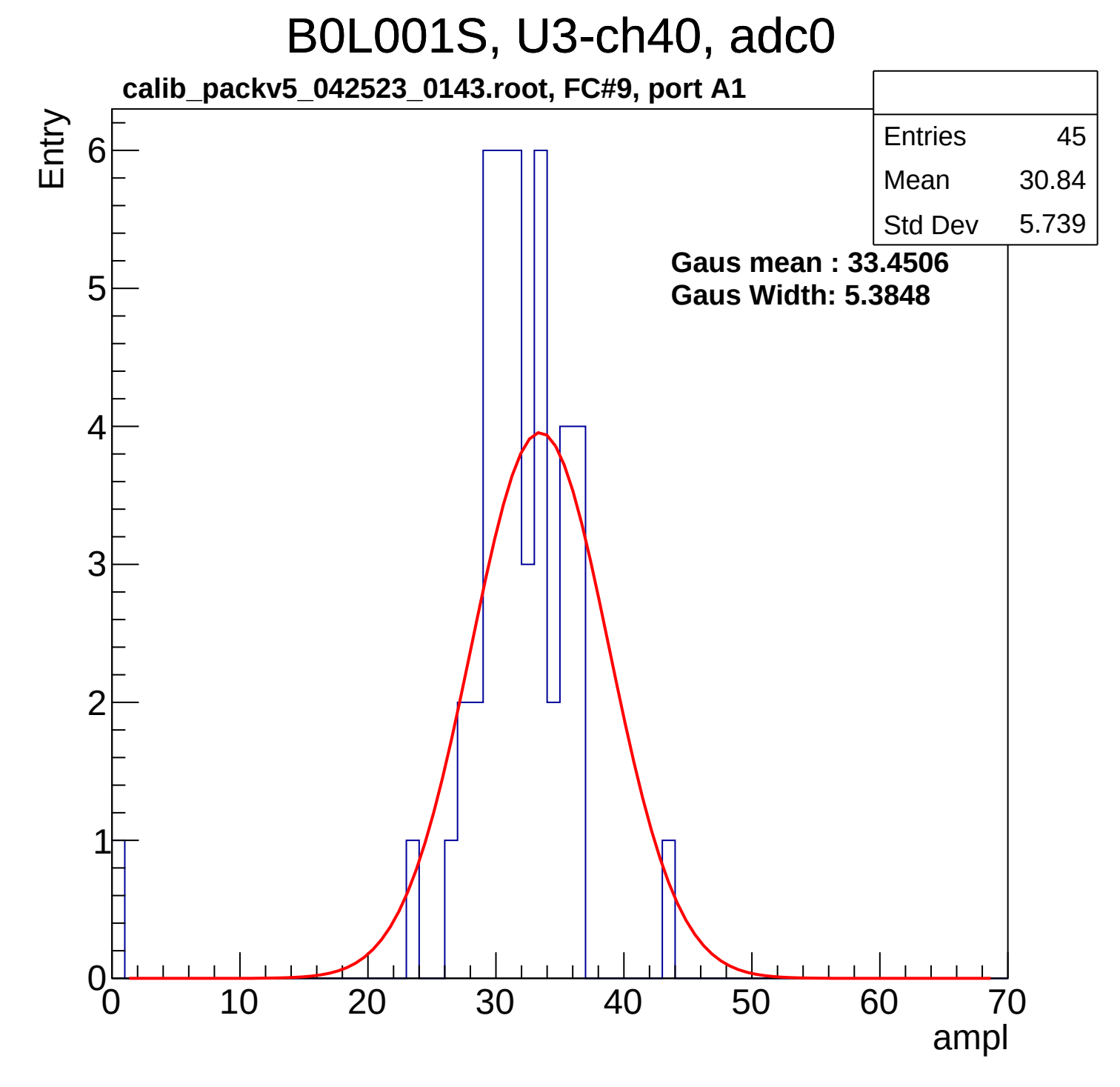
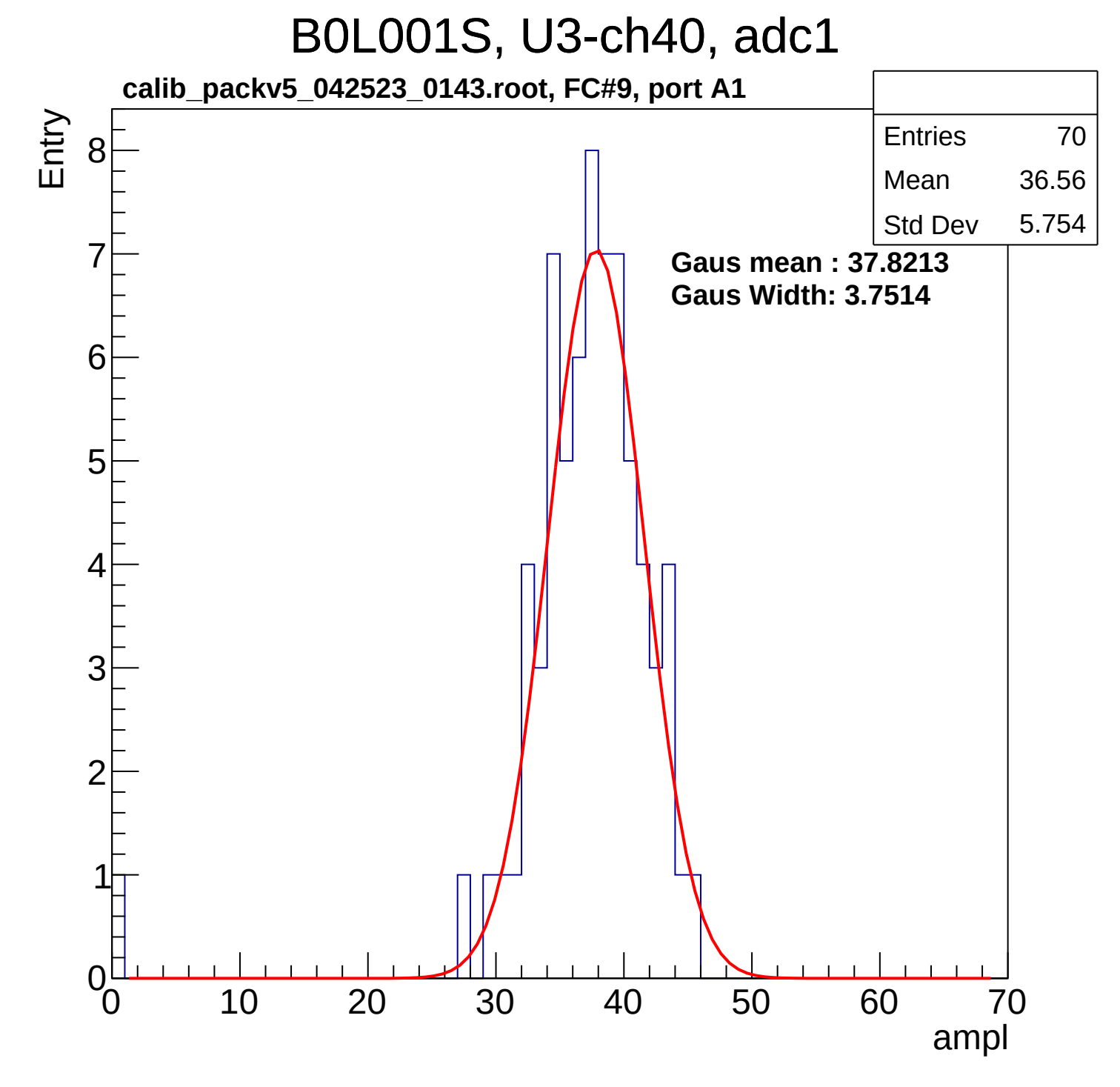
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch40, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 30.84
Std Dev 5.739
Gaus mean : 33.4506
Gaus Width: 5.3848
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch40, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 36.56
Std Dev 5.754
Gaus mean : 37.8213
Gaus Width: 3.7514
Entry
ampl
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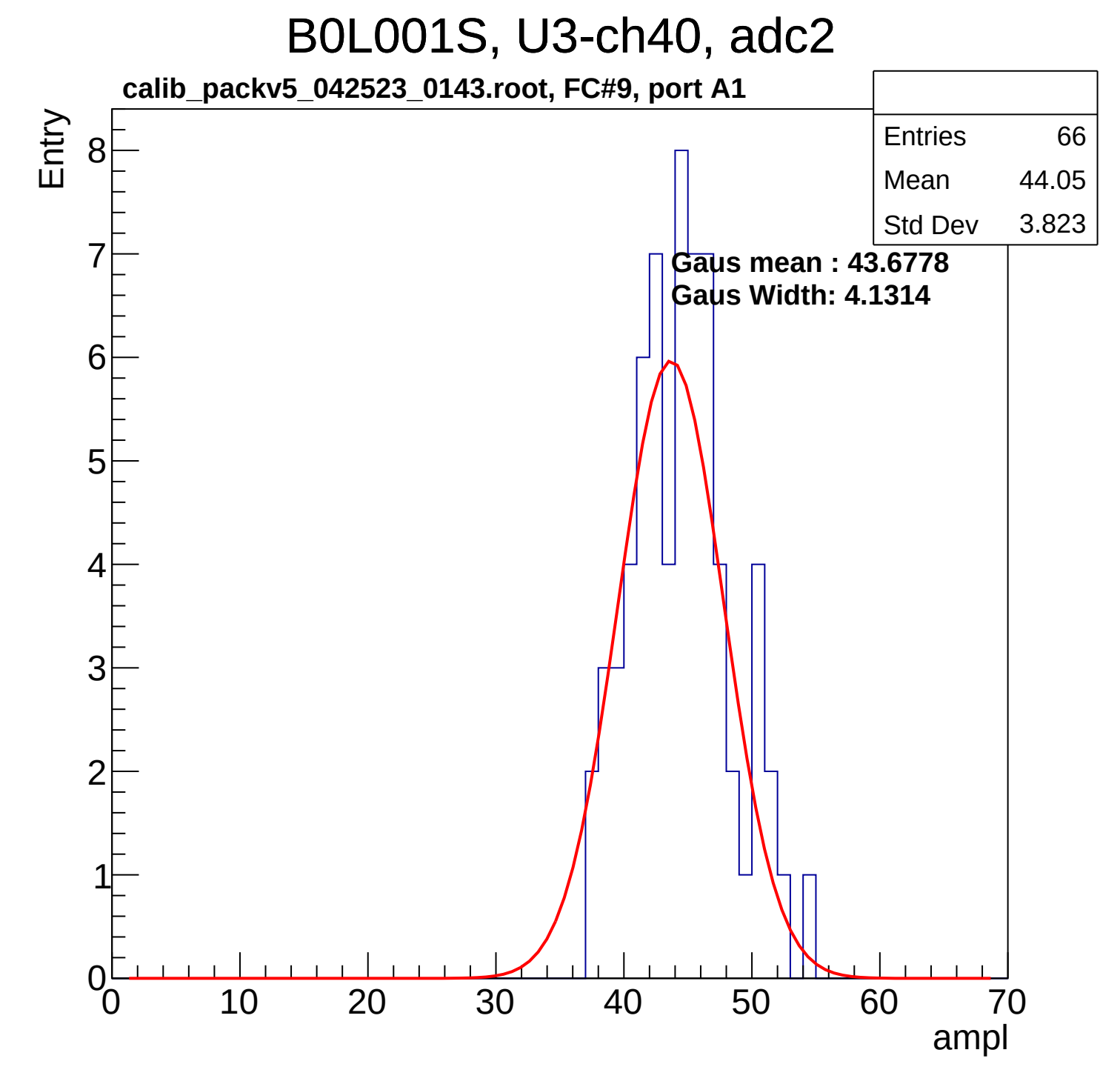
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch40, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 44.05
Std Dev 3.823
Gaus mean : 43.6778
Gaus Width: 4.1314
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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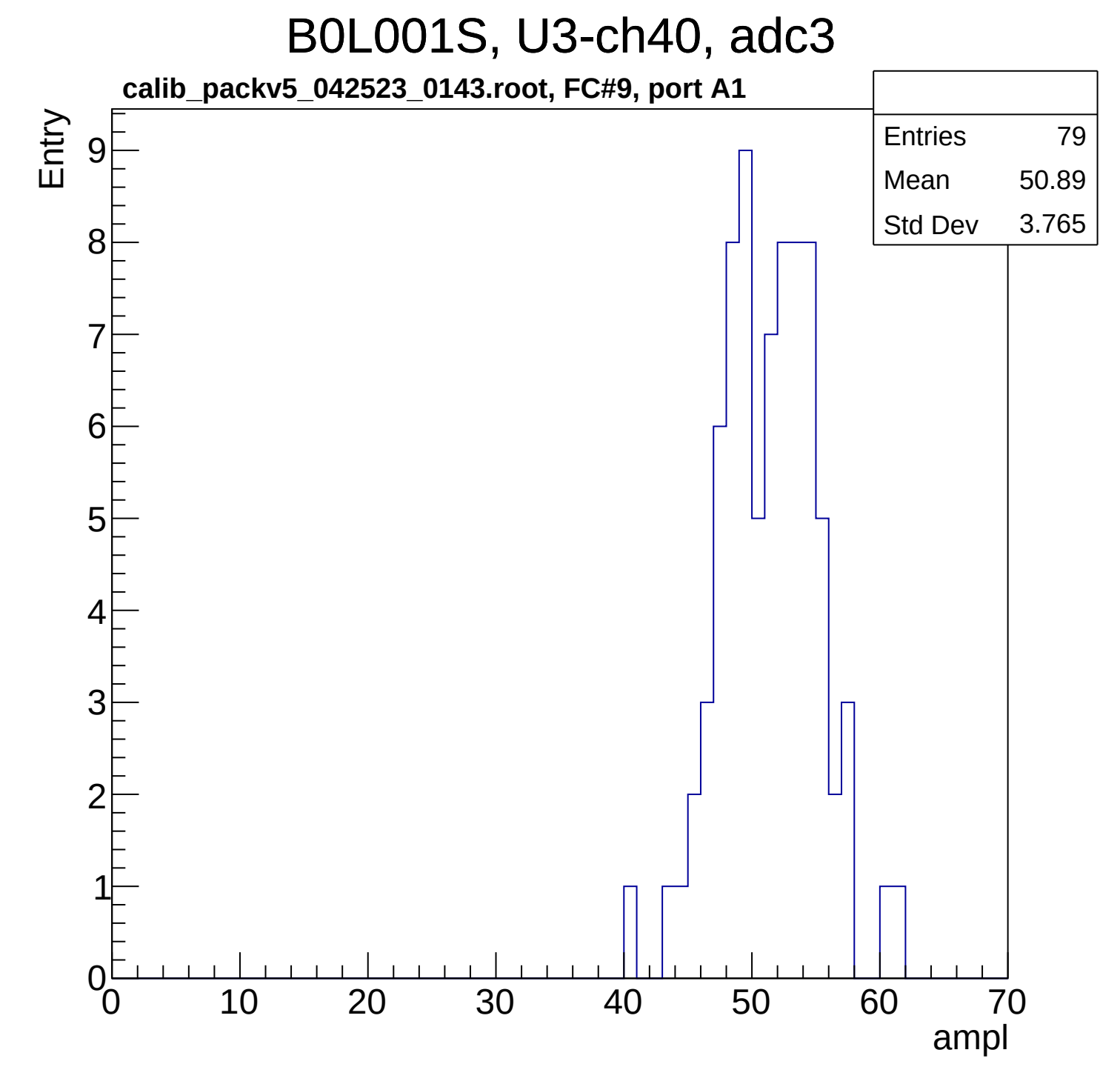
B0L001S, U3-ch40, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 50.89
Std Dev 3.765
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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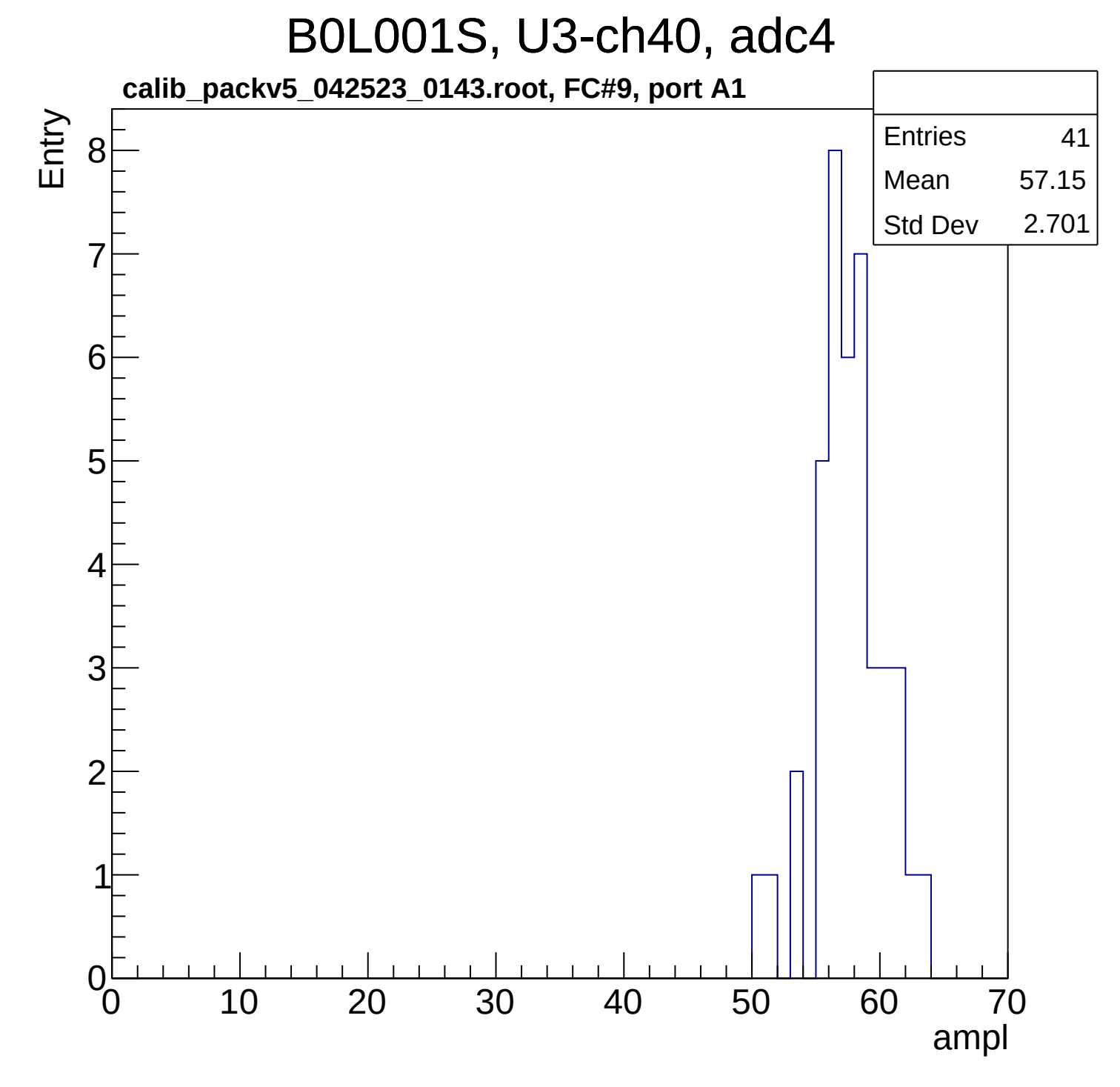
B0L001S, U3-ch40, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 57.15
Std Dev 2.701
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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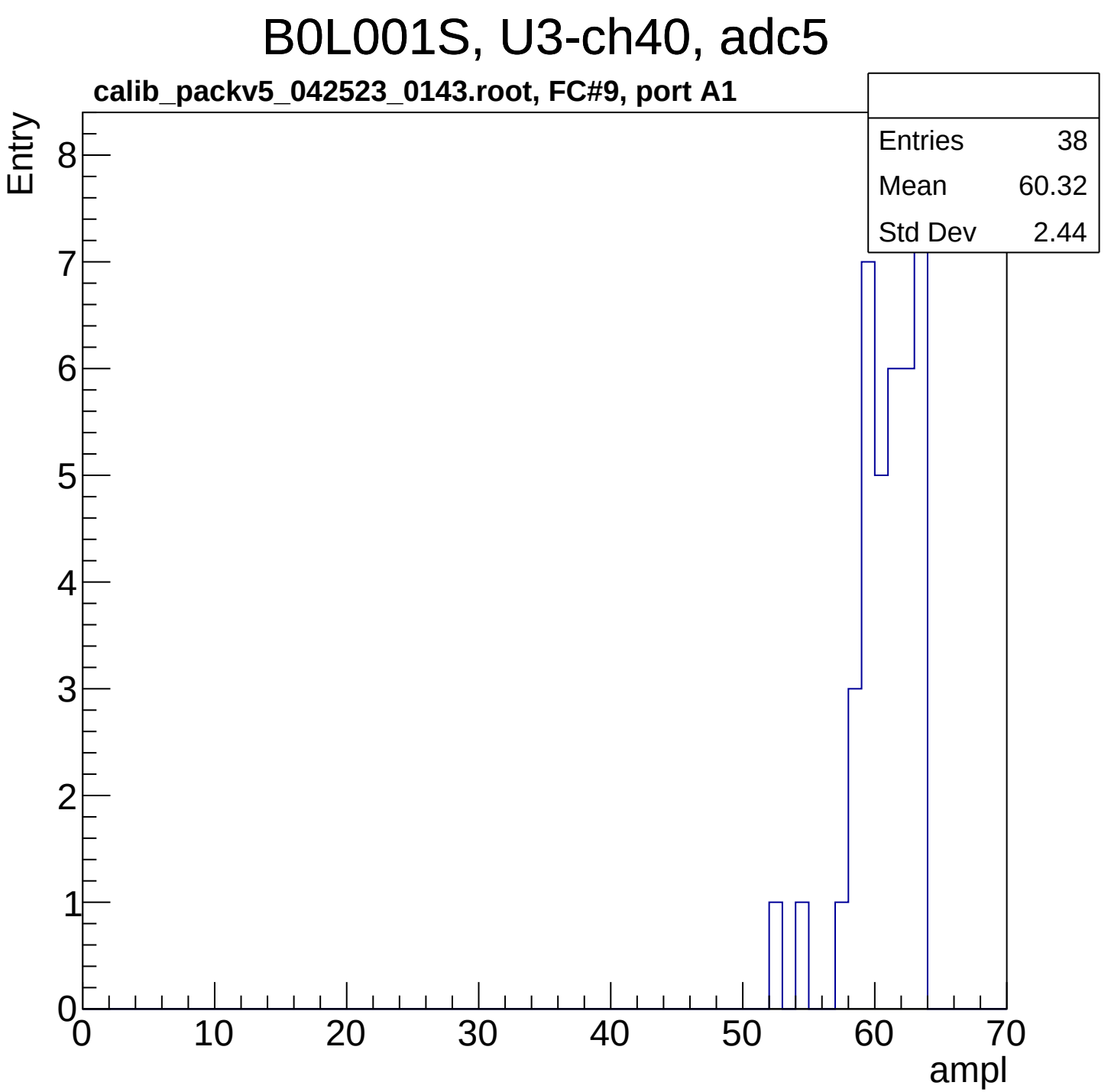
B0L001S, U3-ch40, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 60.32
Std Dev 2.44
Entry
ampl
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3
4
5
6
7
8
0
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20
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40
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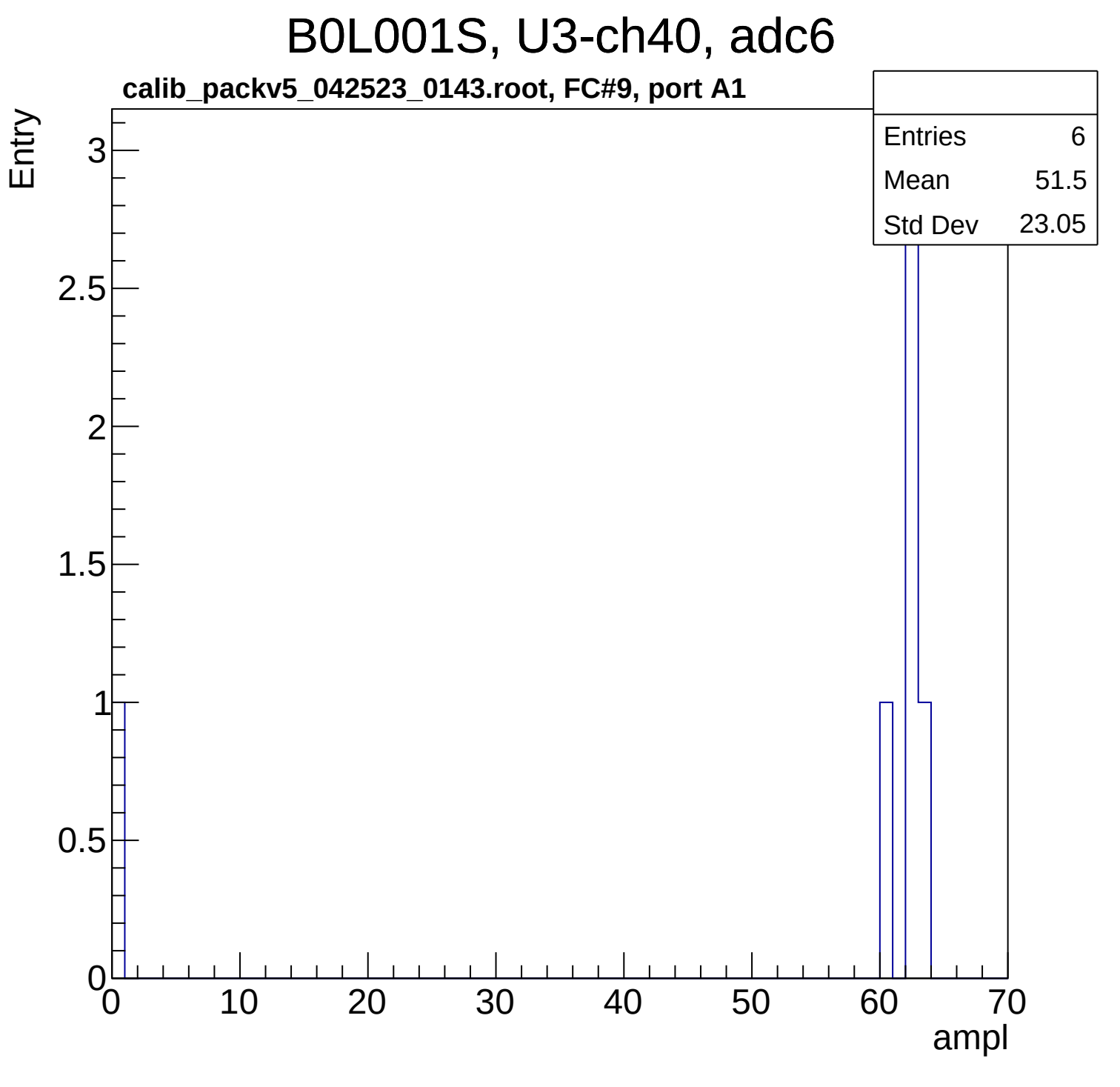
60
70


B0L001S, U3-ch40, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 51.5
Std Dev 23.05
Entry
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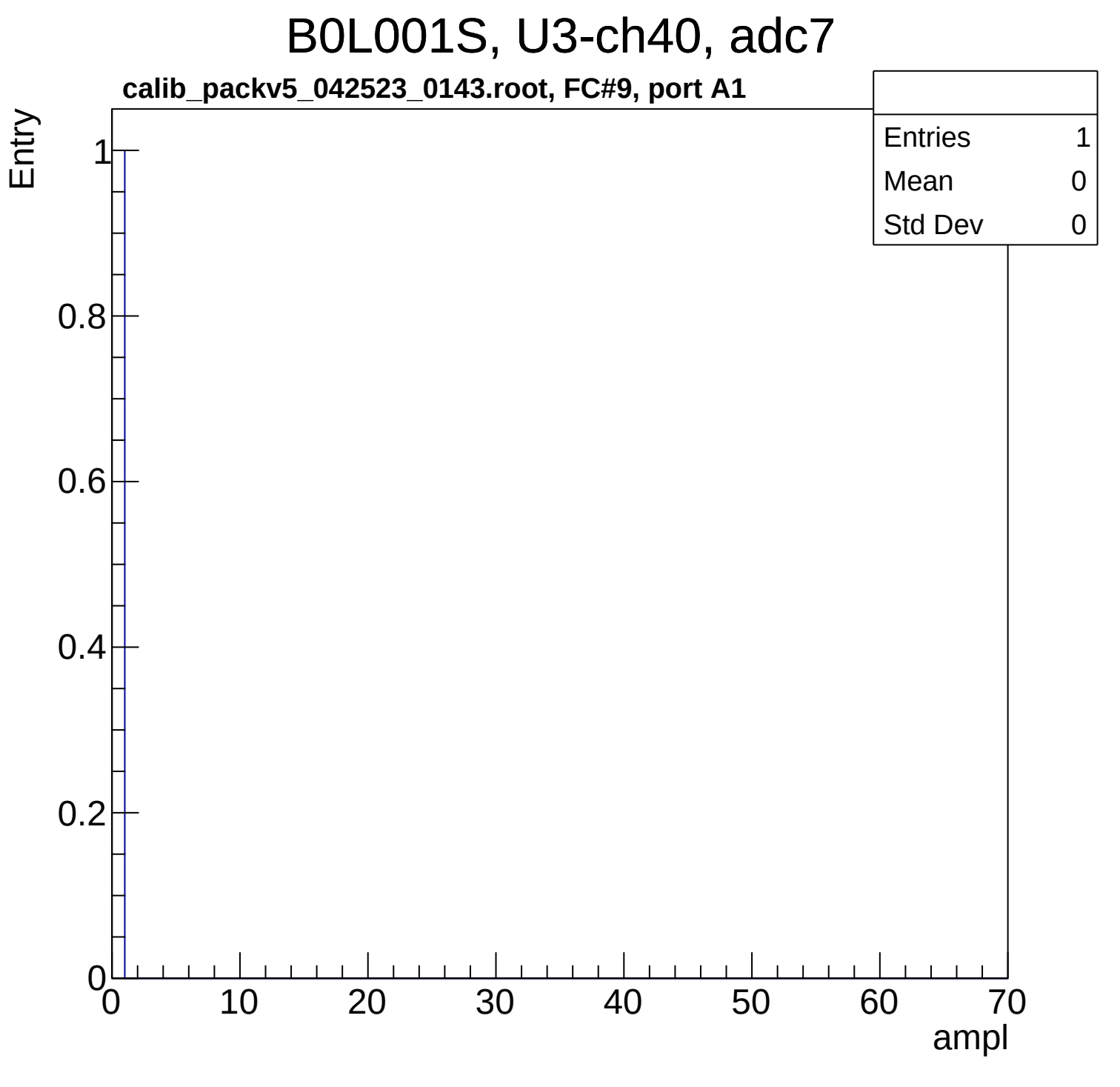
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch40, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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0.4
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10
20
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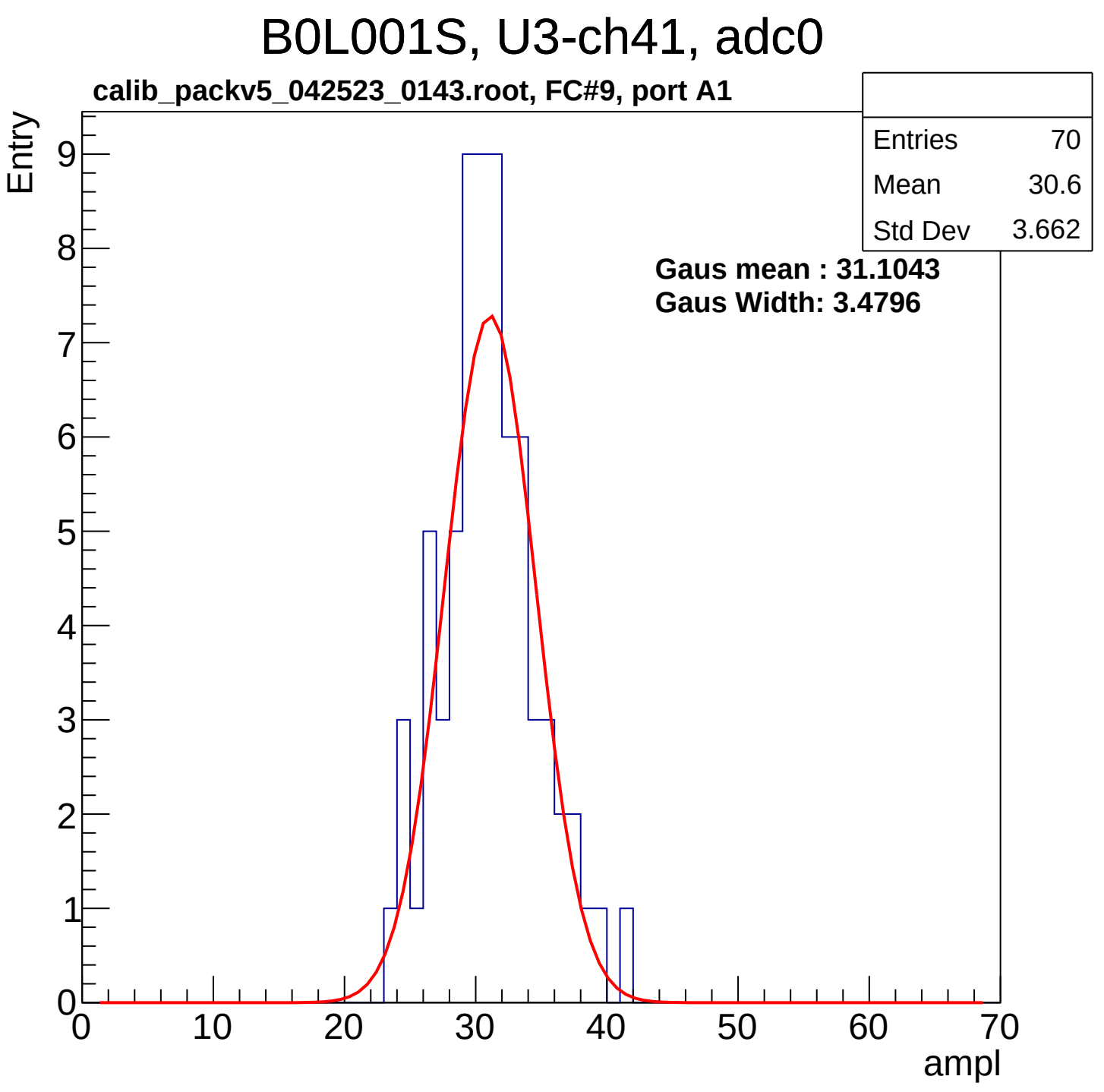
50
60
70
ampl


B0L001S, U3-ch41, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 30.6
Std Dev 3.662
Gaus mean : 31.1043
Gaus Width: 3.4796
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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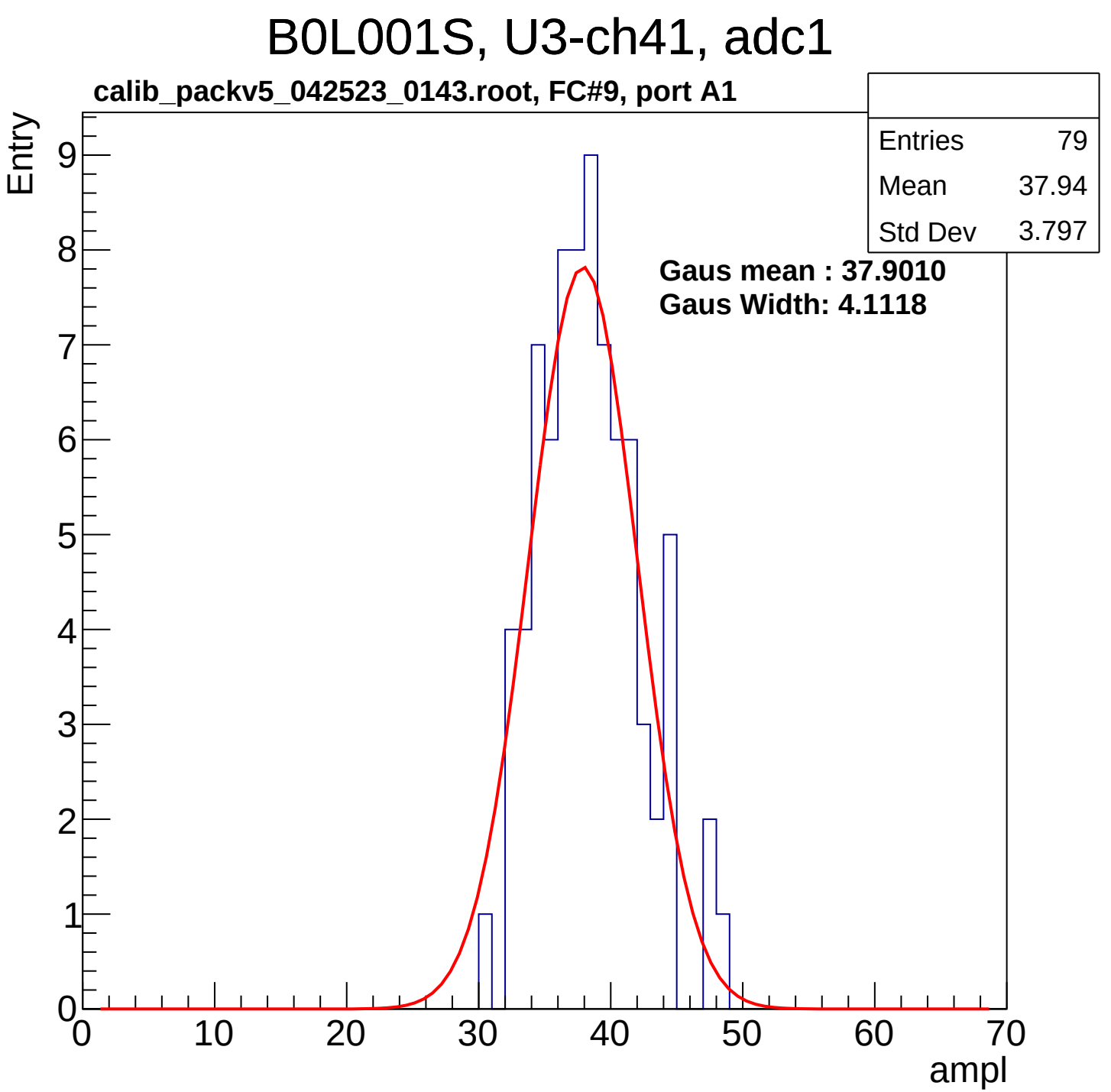
40
50
60
70


B0L001S, U3-ch41, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 37.94
Std Dev 3.797
Gaus mean : 37.9010
Gaus Width: 4.1118
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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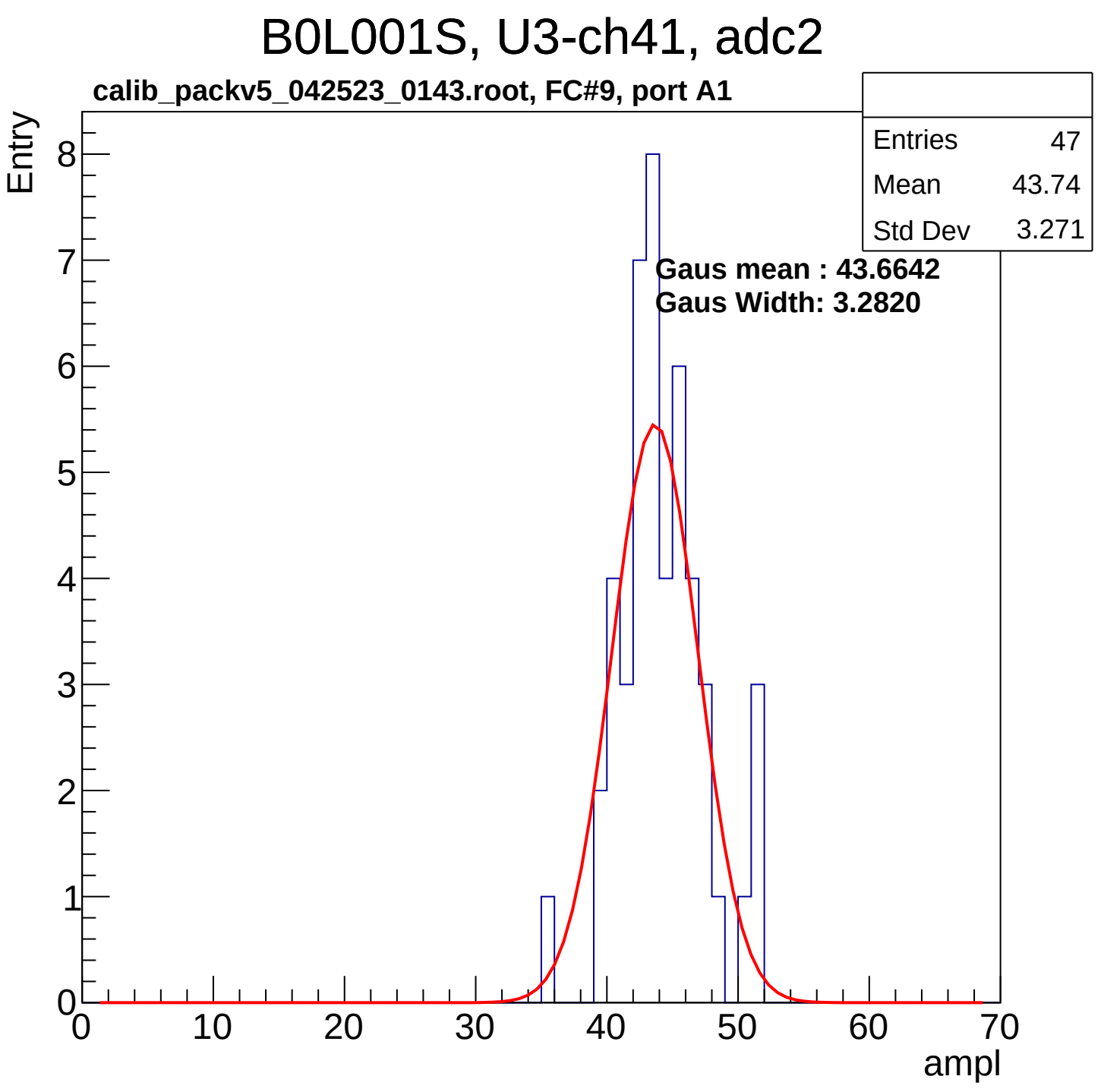
60
70


B0L001S, U3-ch41, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 43.74
Std Dev 3.271
Gaus mean : 43.6642
Gaus Width: 3.2820
Entry
ampl
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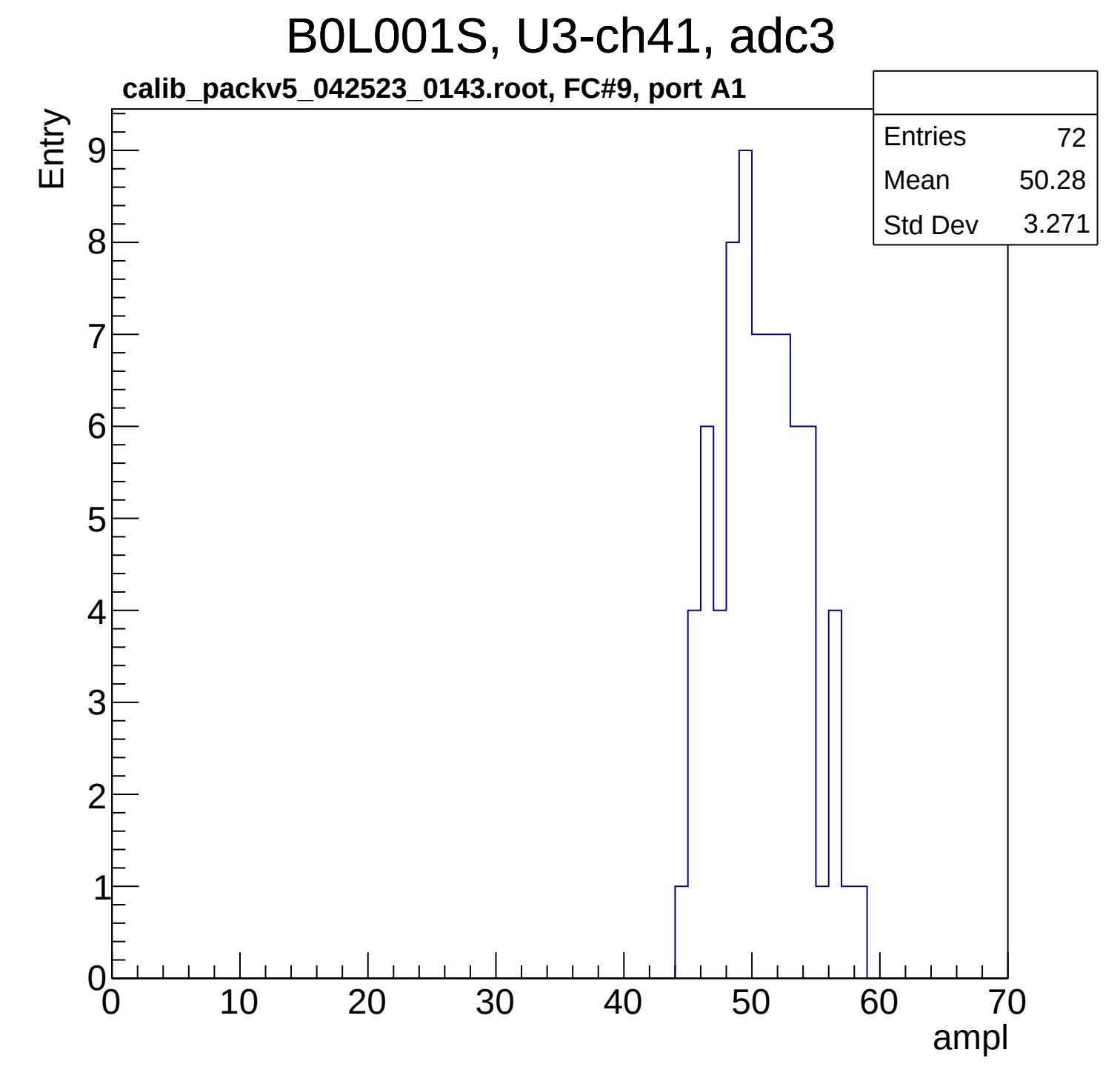
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch41, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 50.28
Std Dev 3.271
Entry
ampl
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2
3
4
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6
7
8
9
0
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60
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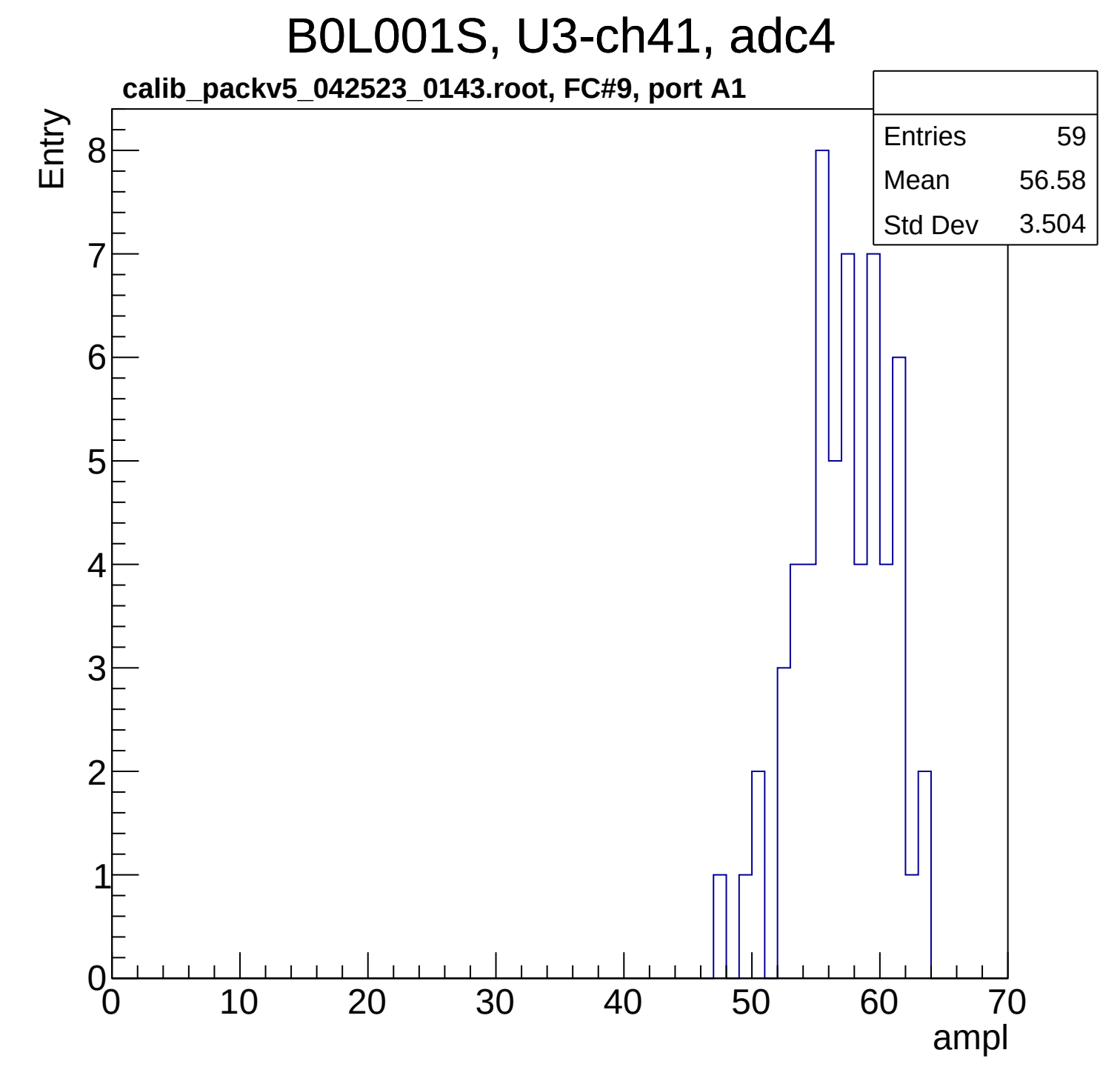
B0L001S, U3-ch41, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 56.58
Std Dev 3.504
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
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60
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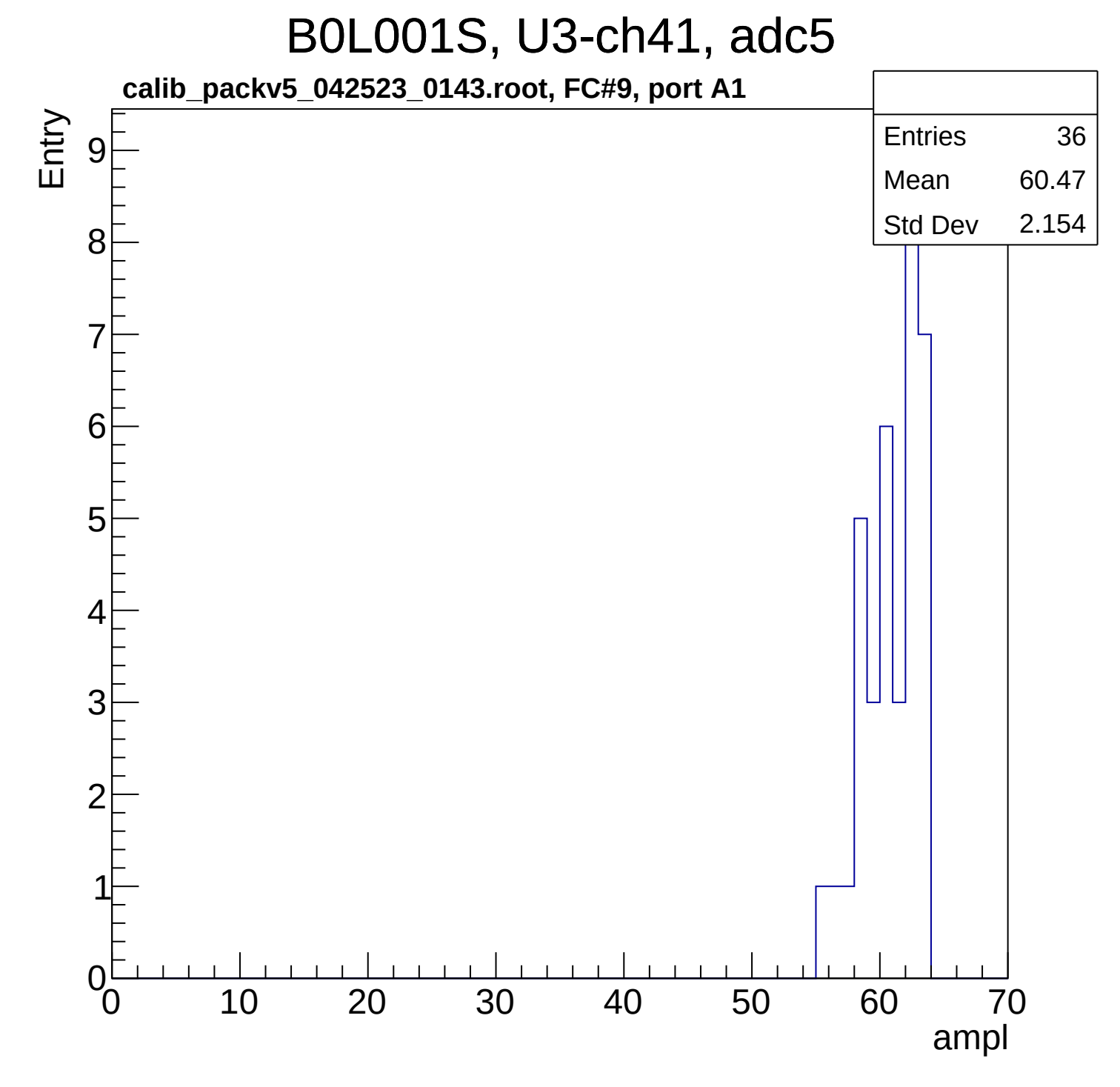
B0L001S, U3-ch41, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 60.47
Std Dev 2.154
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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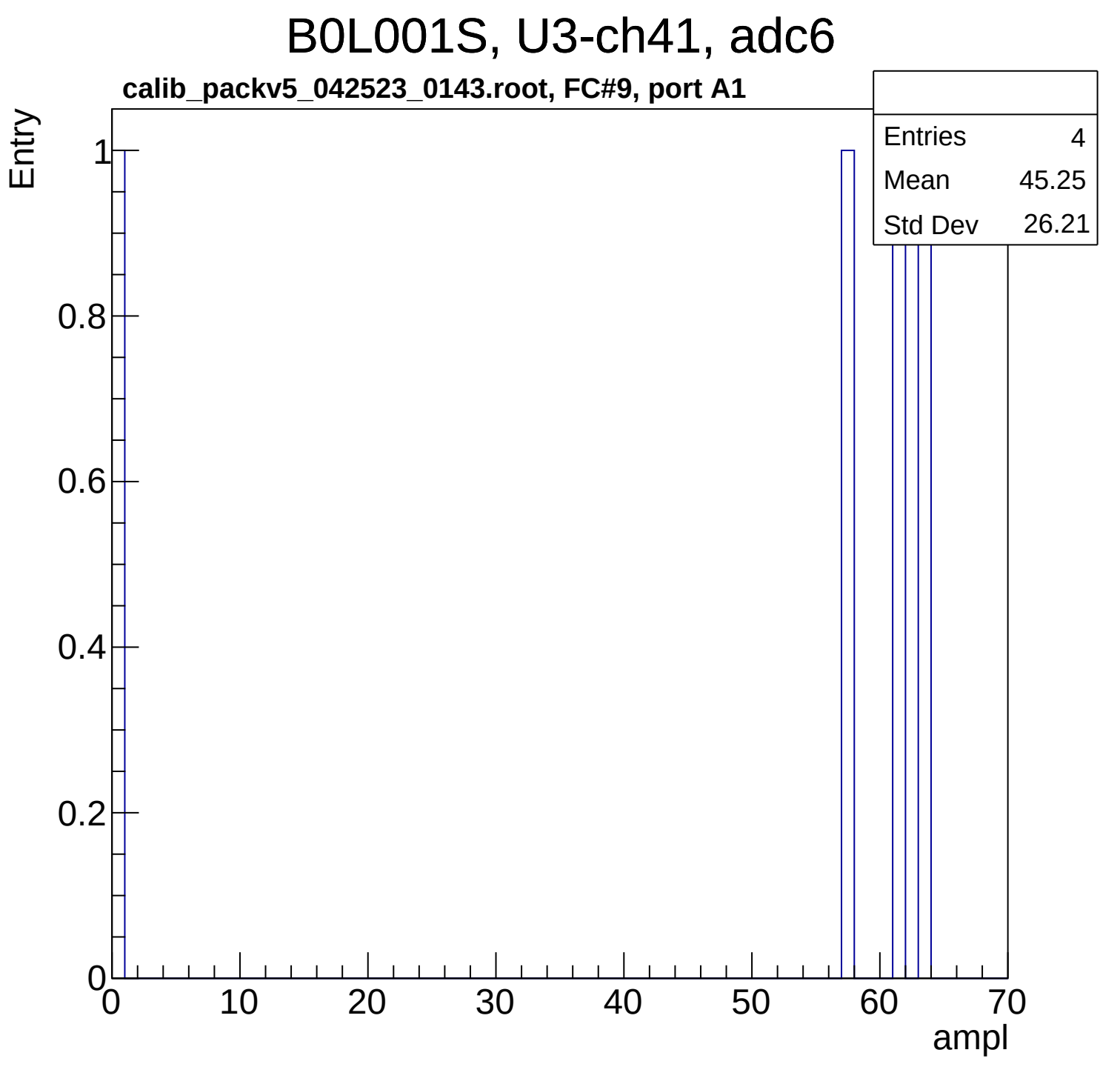
B0L001S, U3-ch41, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 45.25
Std Dev 26.21
Entry
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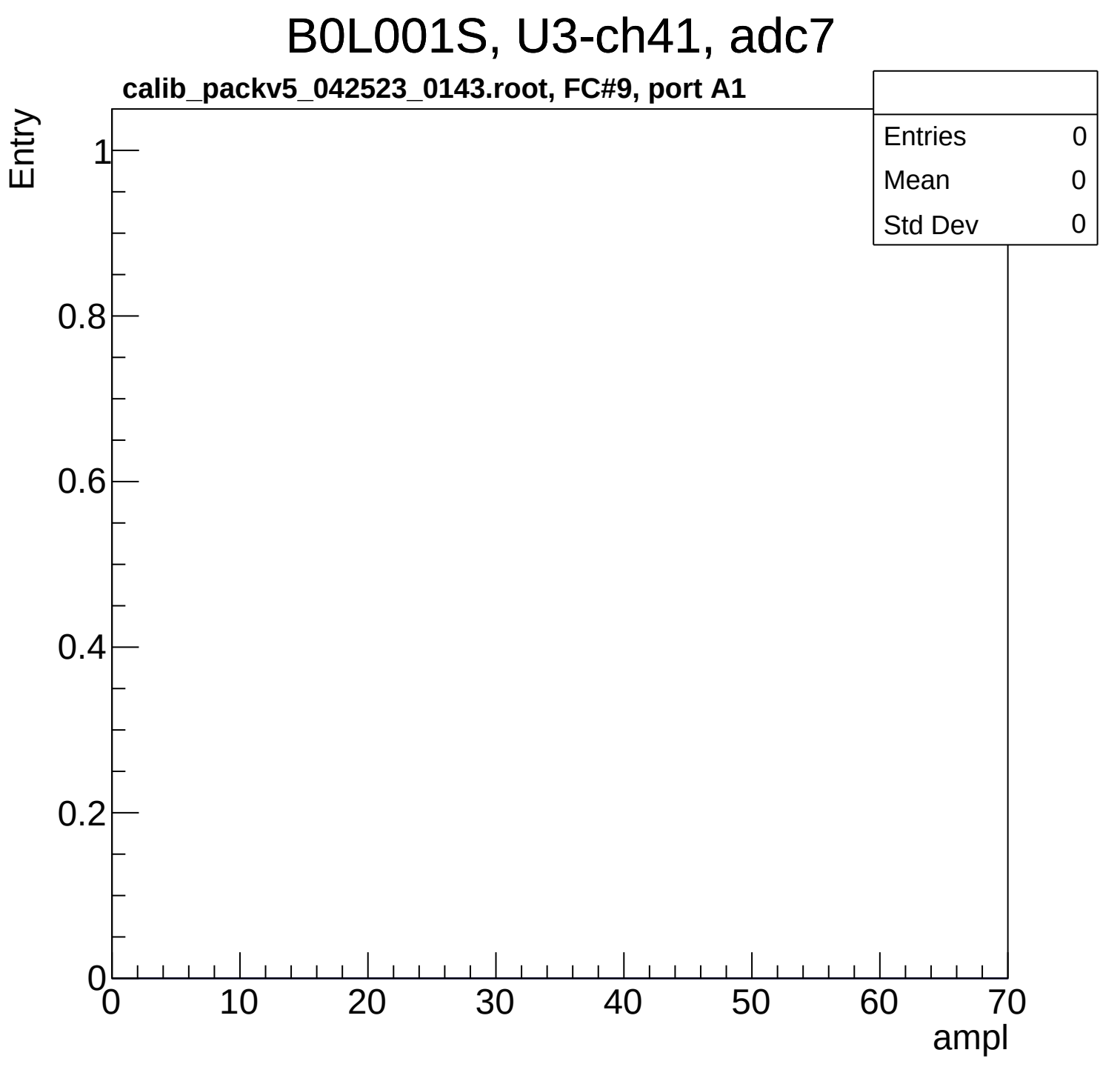
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch41, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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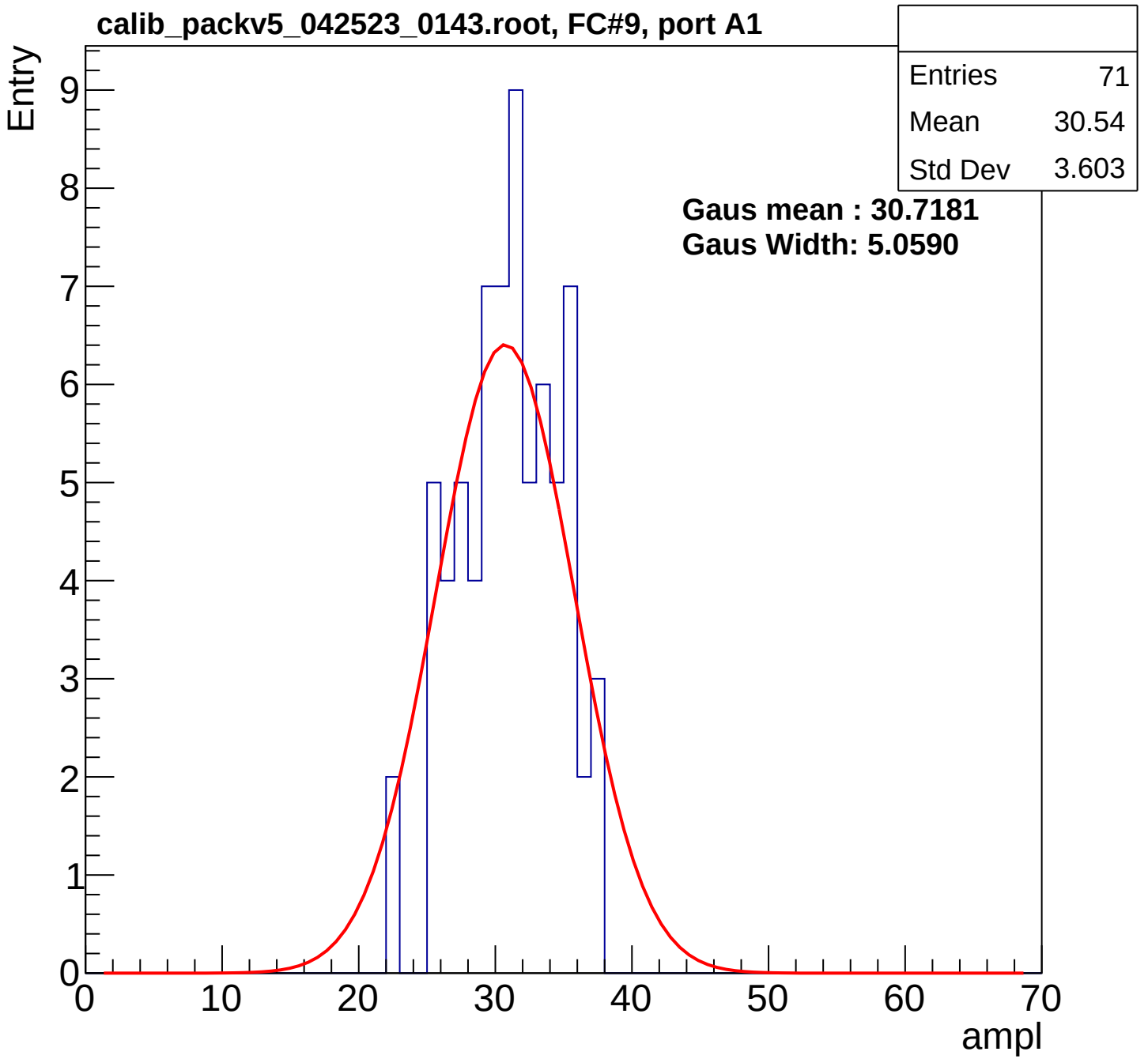
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch42, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 30.54
Std Dev 3.603
Gaus mean : 30.7181
Gaus Width: 5.0590
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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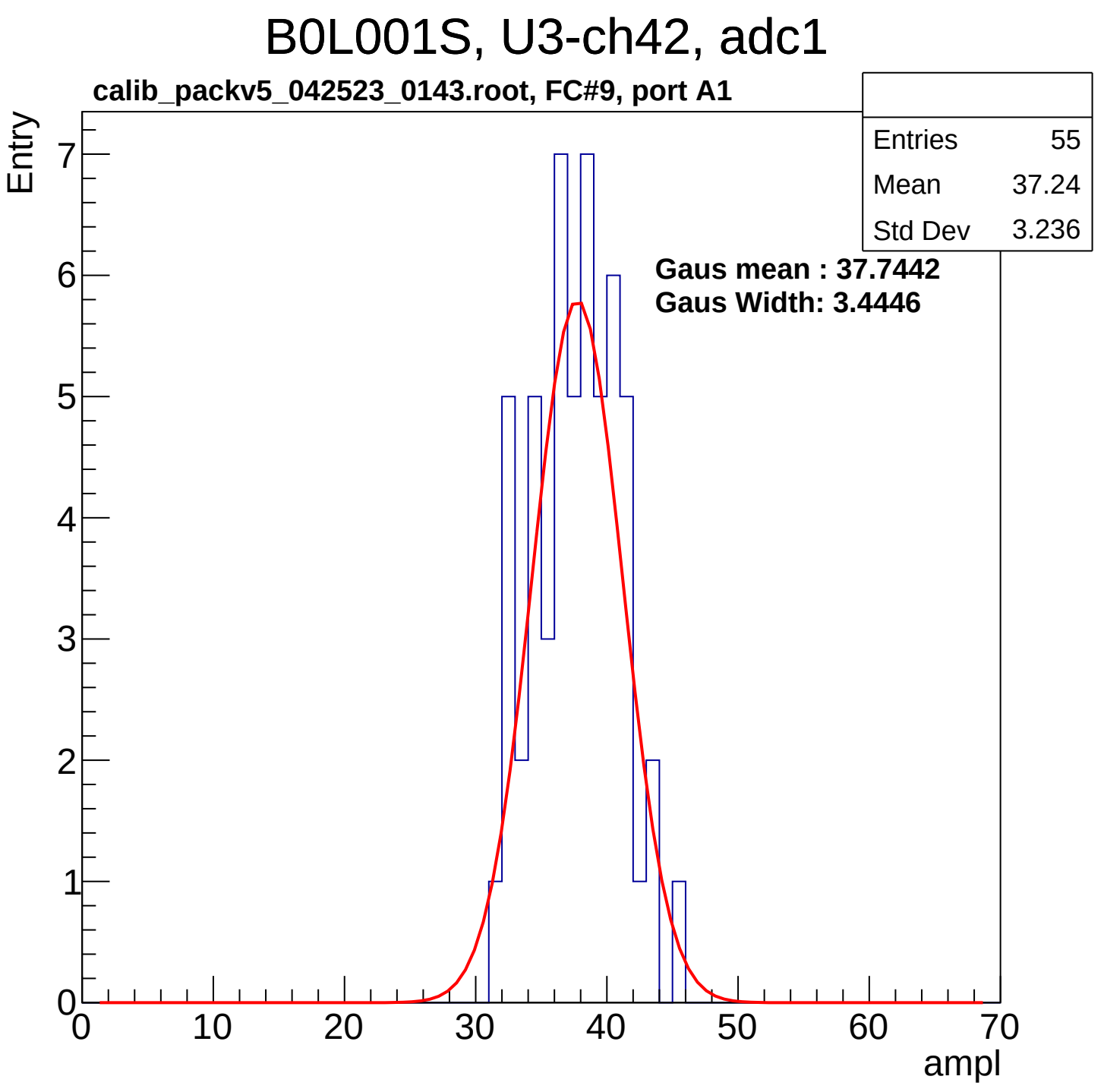
B0L001S, U3-ch42, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 37.24
Std Dev 3.236
Gaus mean : 37.7442
Gaus Width: 3.4446
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
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60
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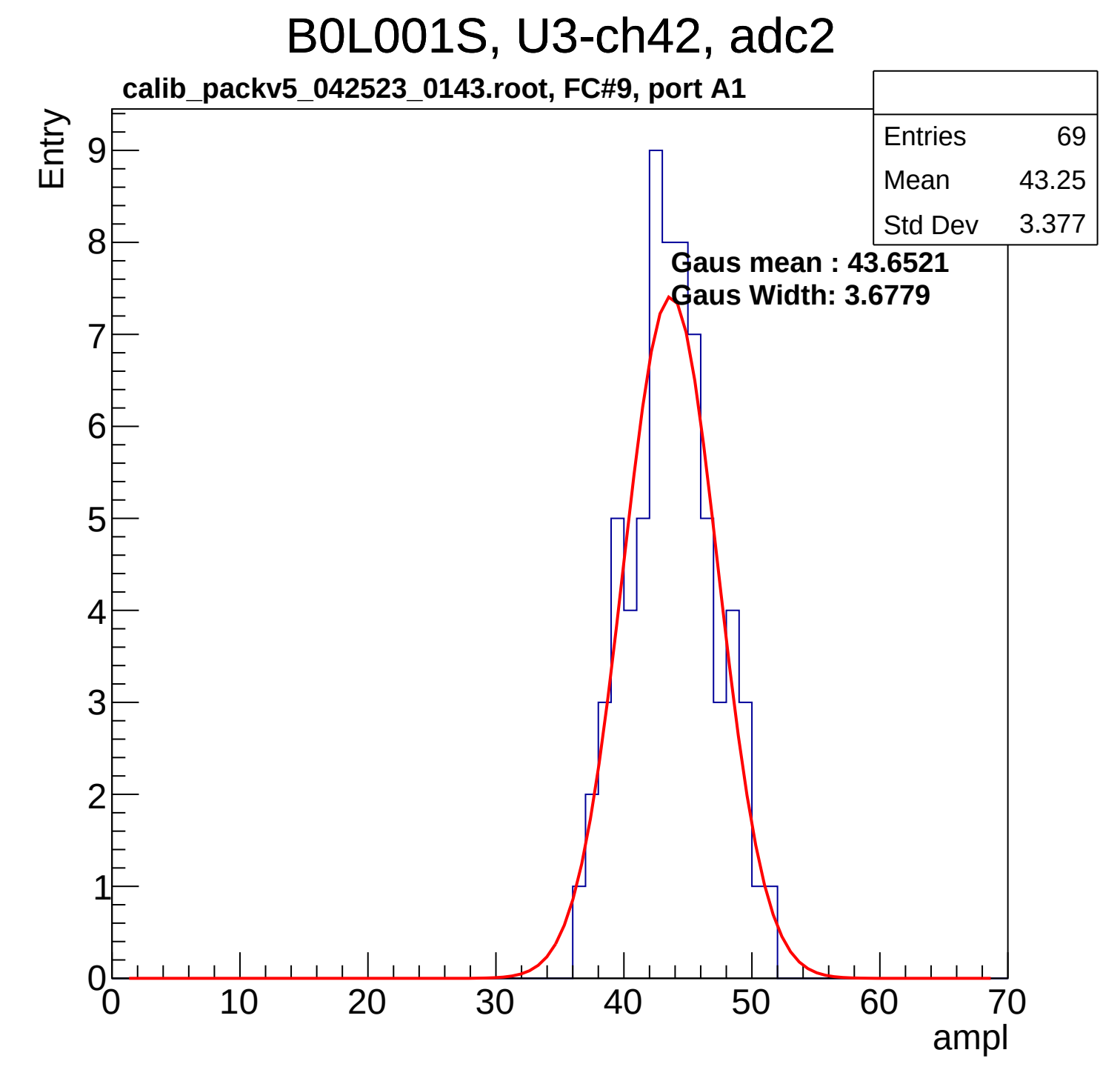
B0L001S, U3-ch42, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 43.25
Std Dev 3.377
Gaus mean : 43.6521
Gaus Width: 3.6779
Entry
ampl
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1
2
3
4
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6
7
8
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0
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20
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60
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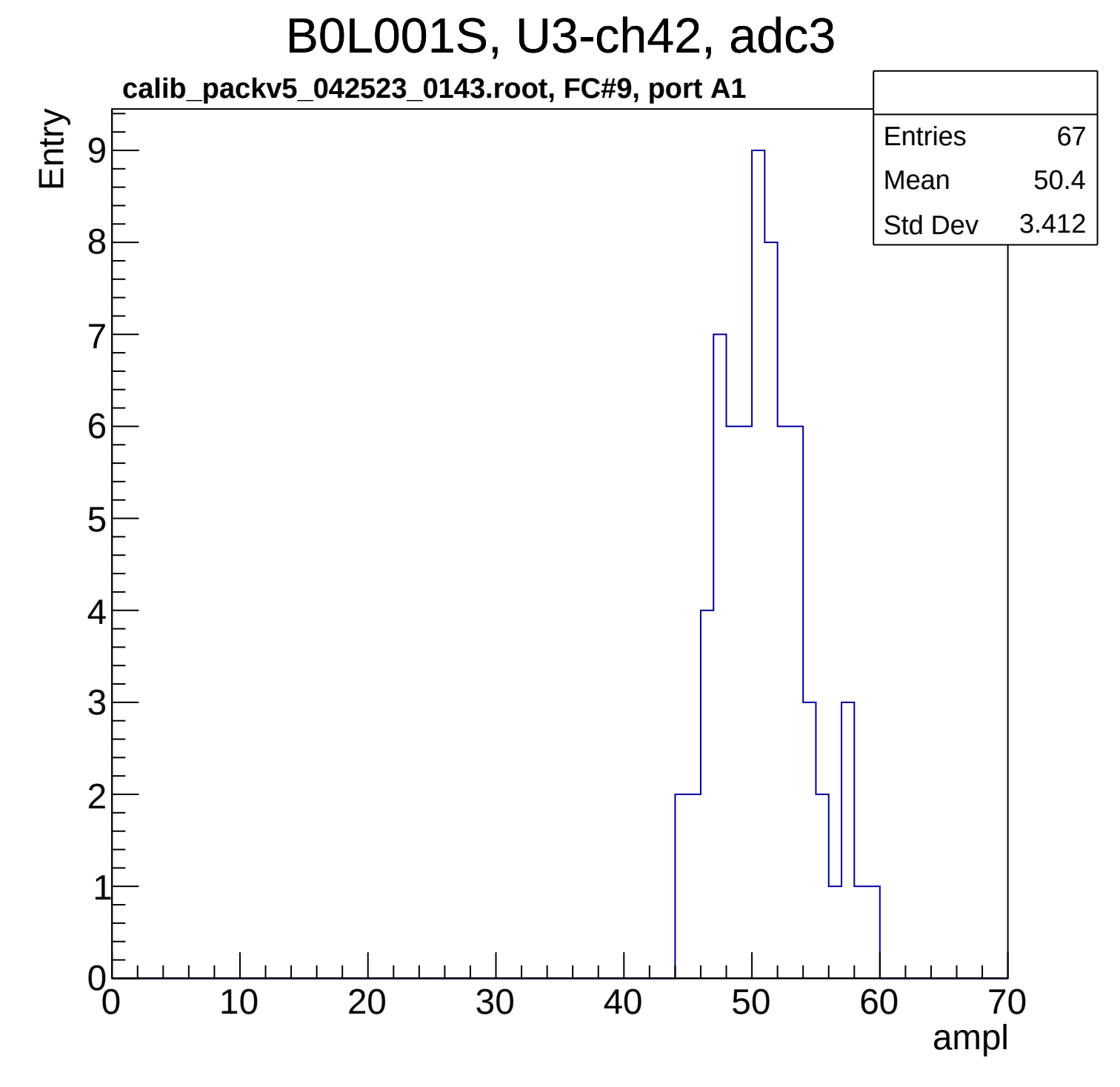
B0L001S, U3-ch42, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 50.4
Std Dev 3.412
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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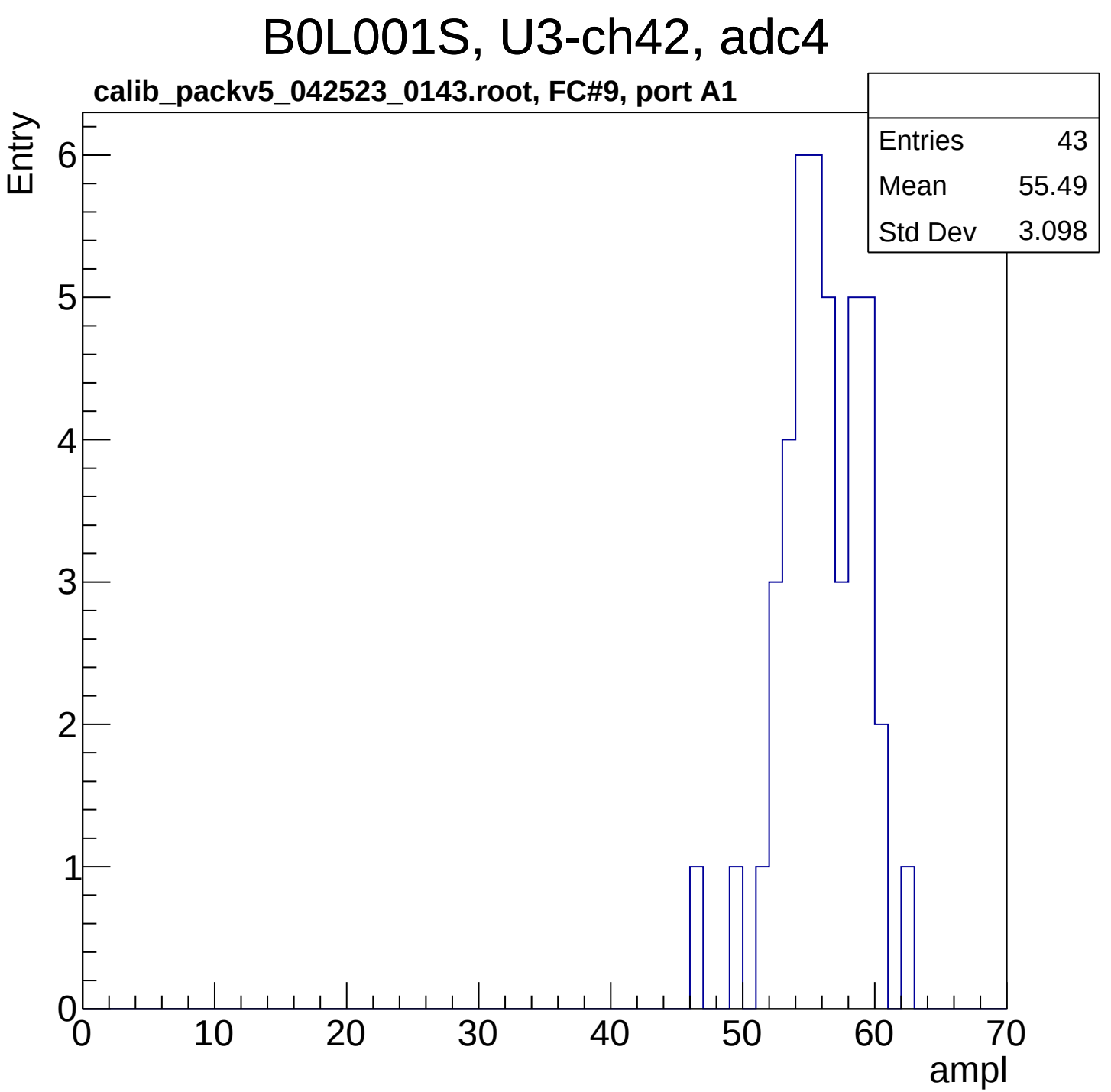
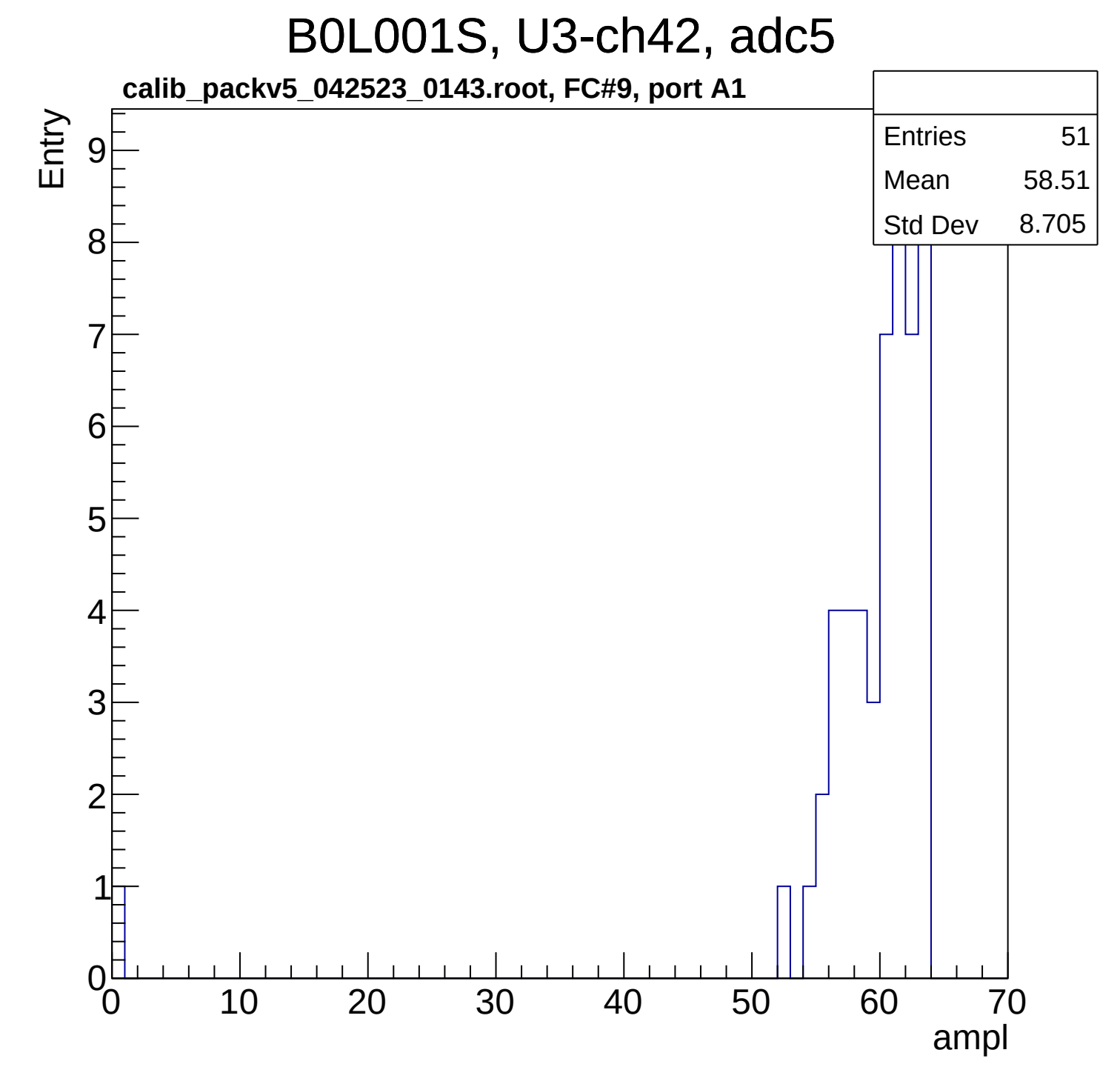
40
50
60
70


B0L001S, U3-ch42, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 43
Mean 55.49
Std Dev 3.098
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch42, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 58.51
Std Dev 8.705
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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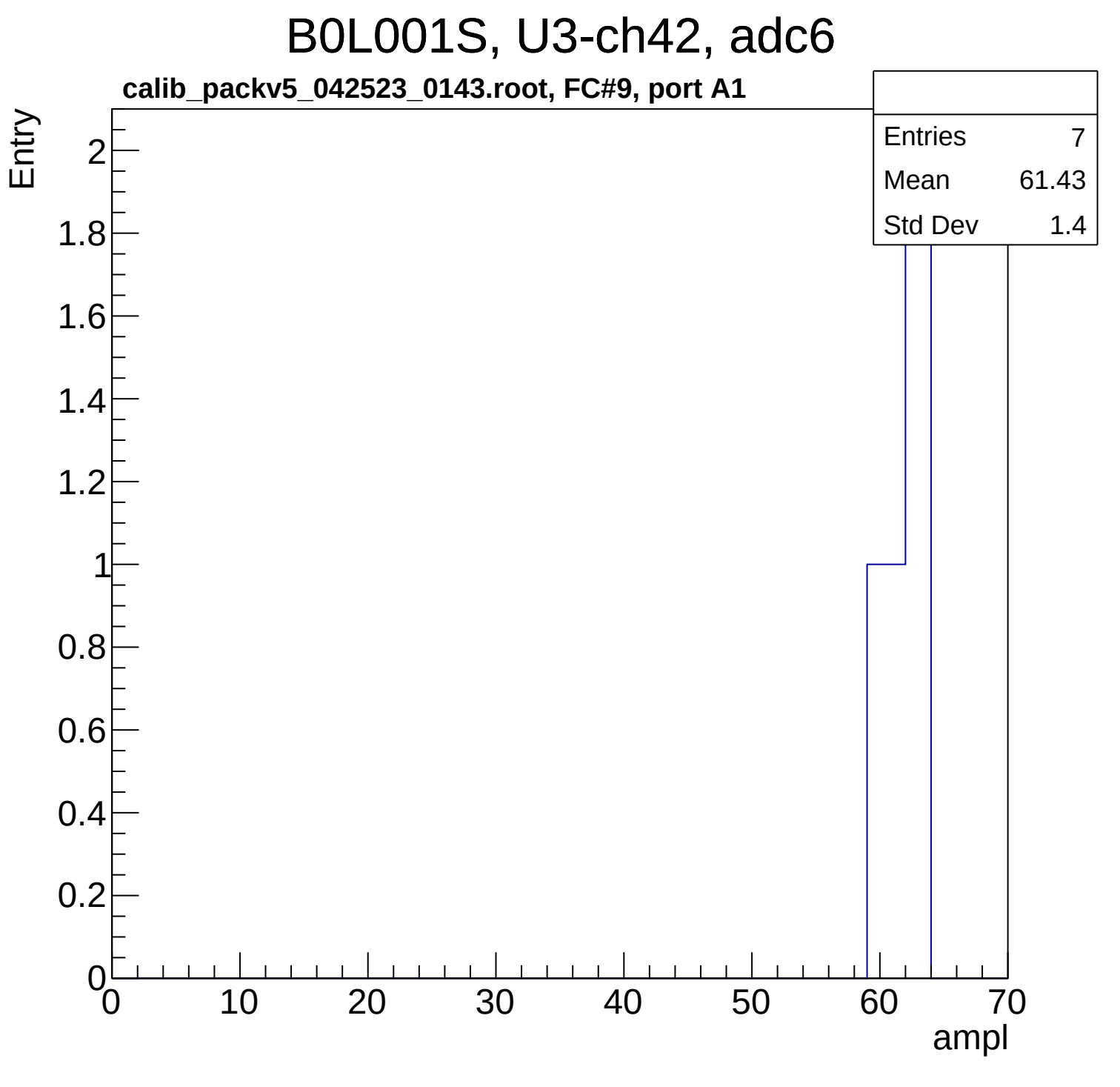
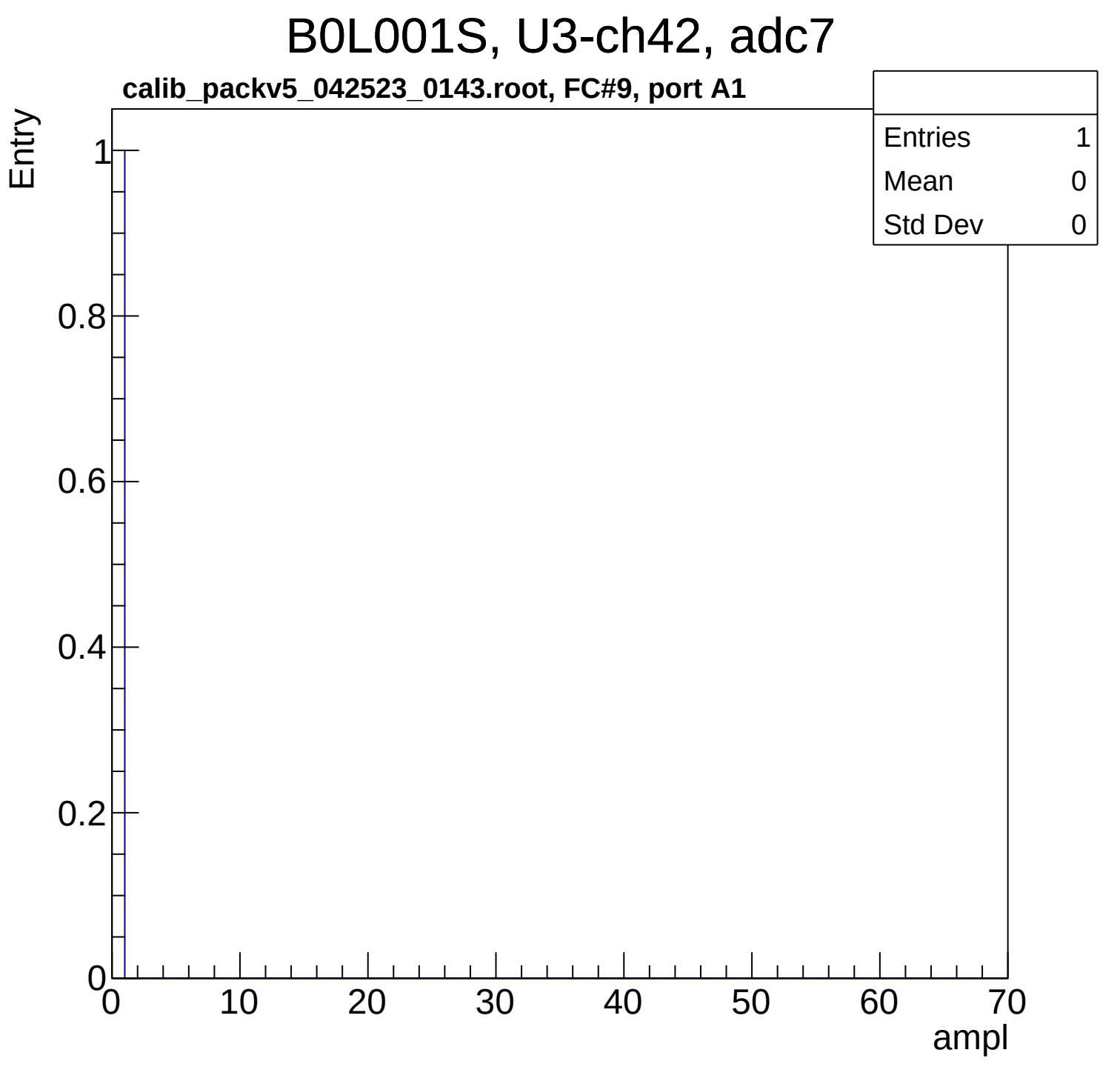
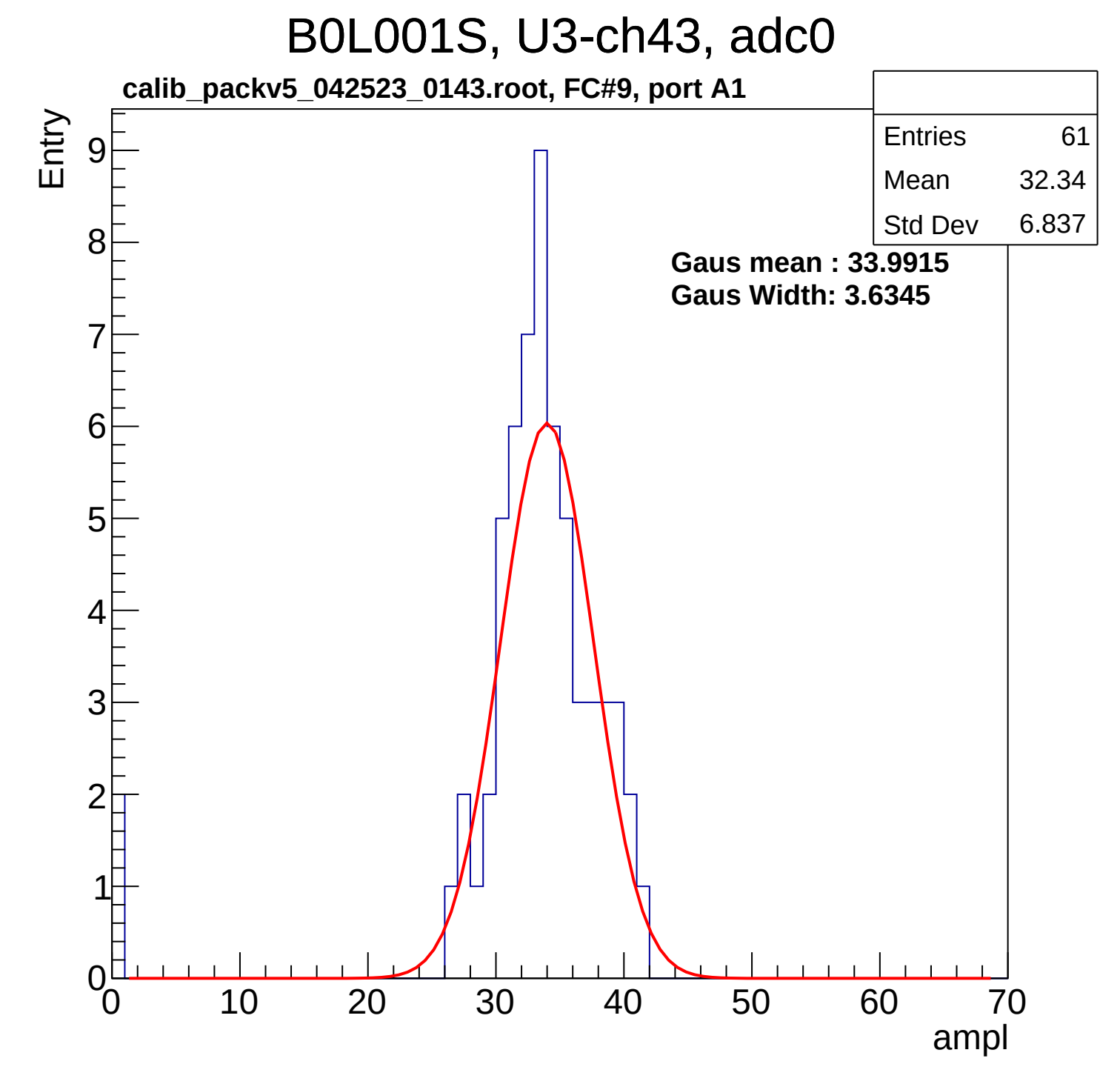
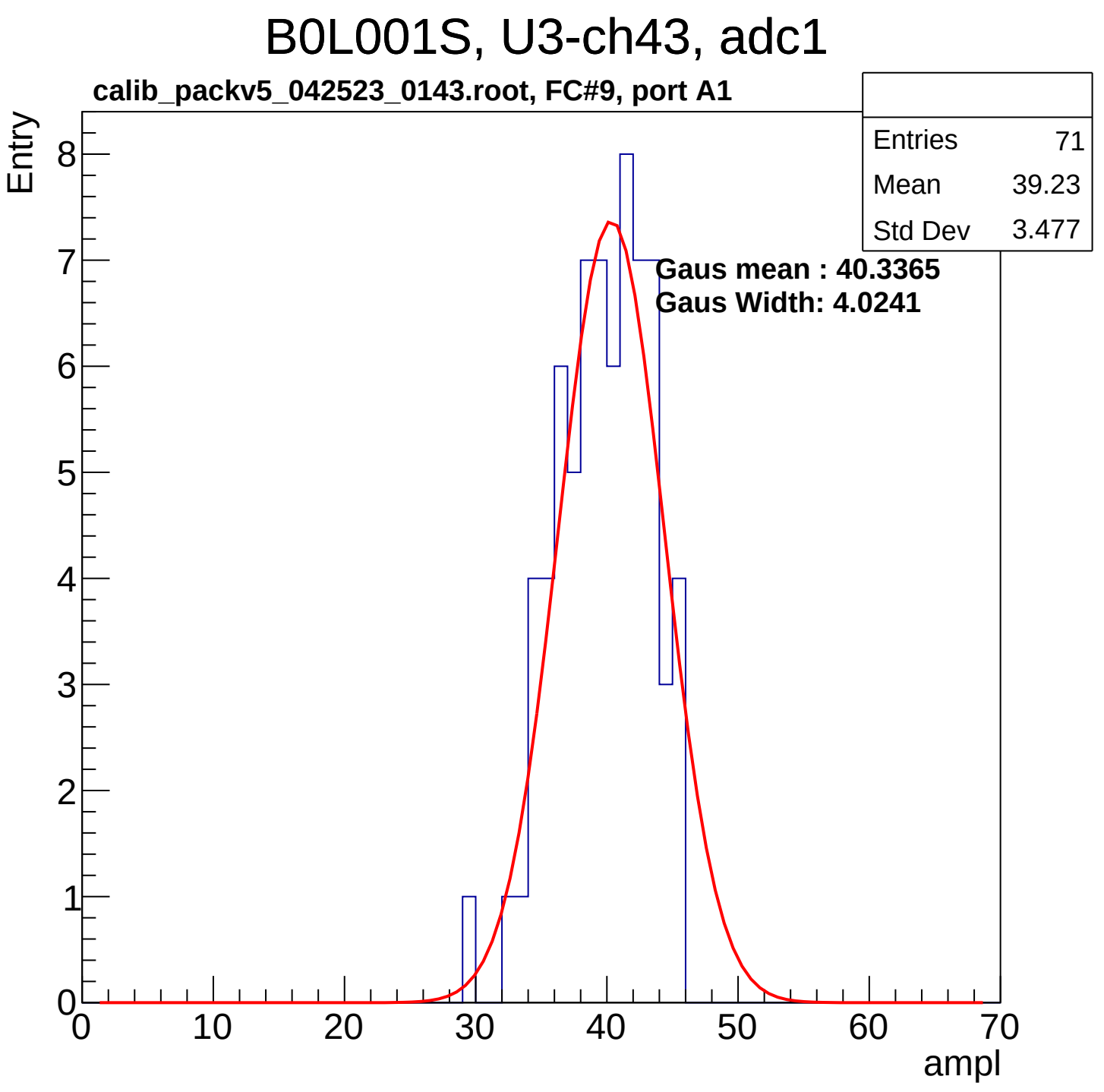
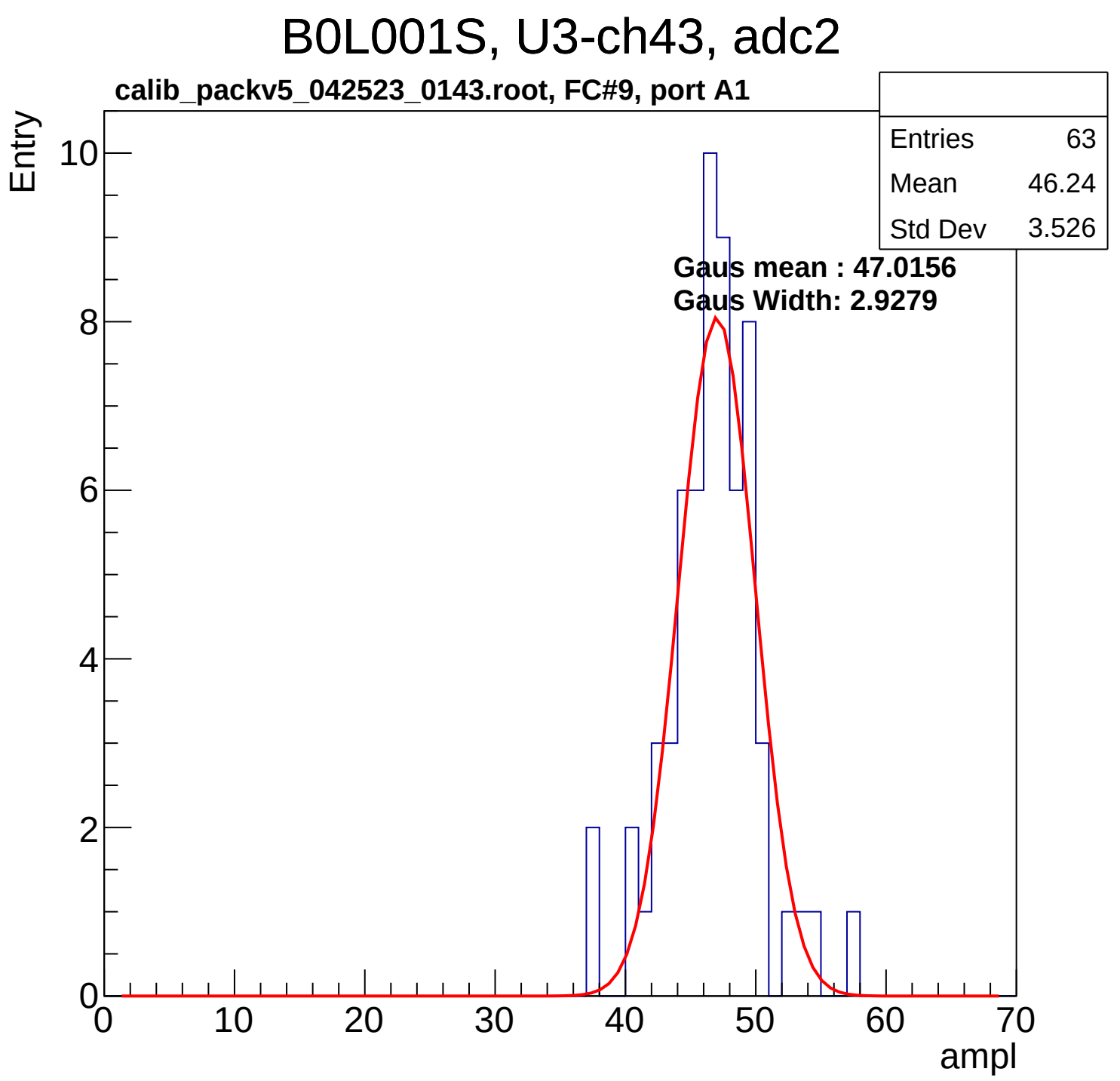
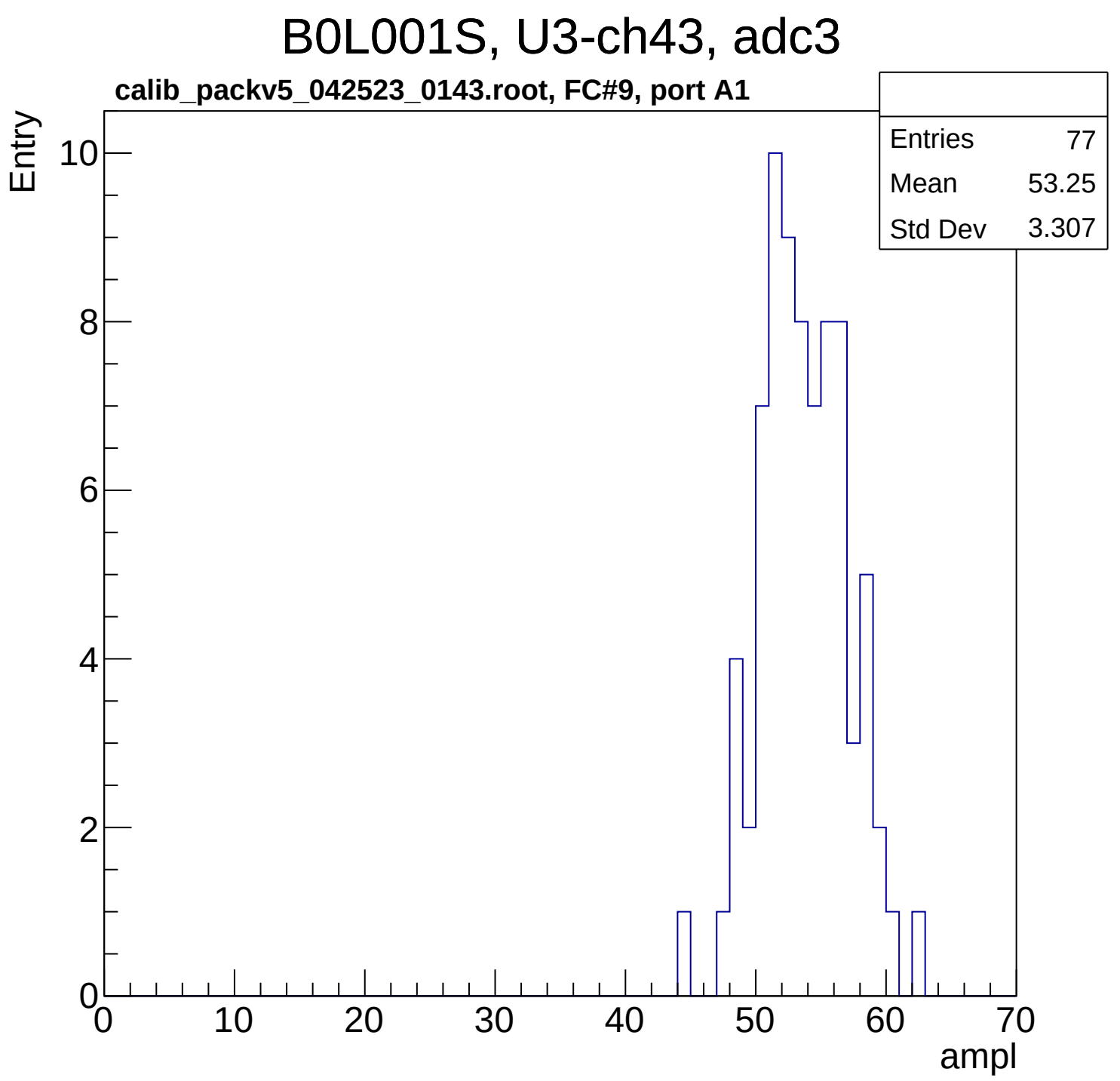

B0L001S, U3-ch42, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 61.43
Std Dev 1.4
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

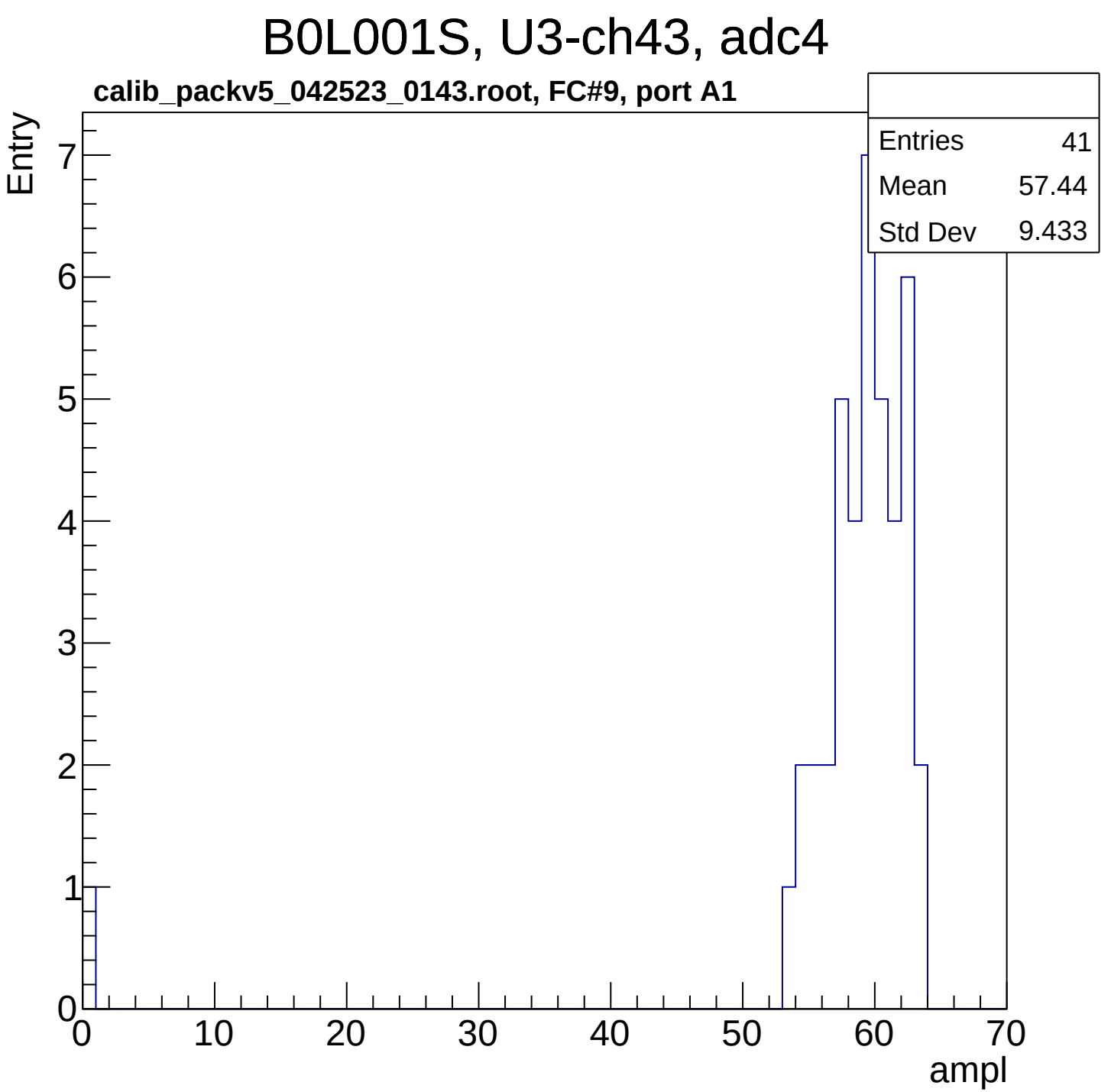

B0L001S, U3-ch42, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

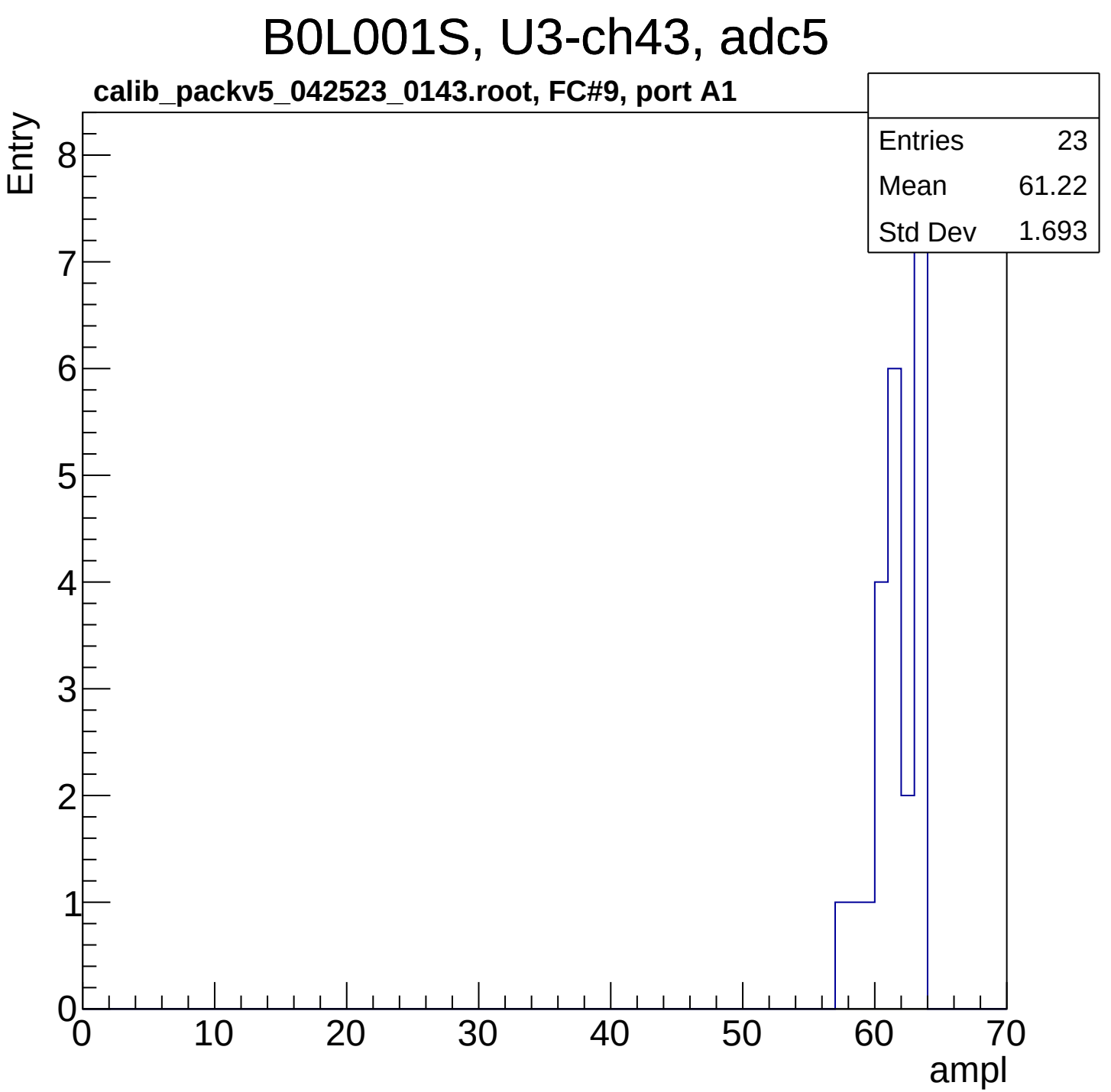

B0L001S, U3-ch43, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 32.34
Std Dev 6.837
Gaus mean : 33.9915
Gaus Width: 3.6345
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

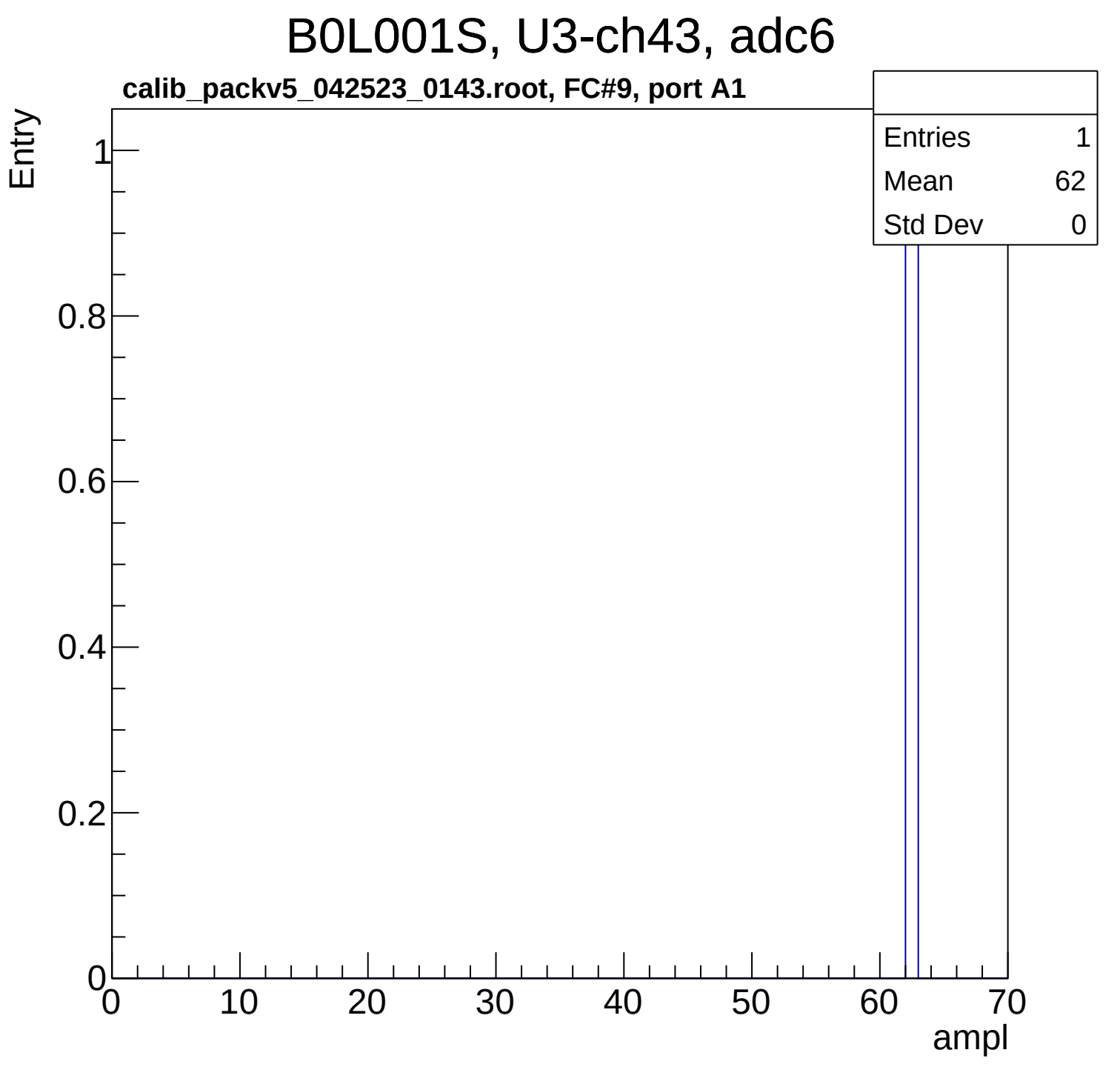

B0L001S, U3-ch43, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 39.23
Std Dev 3.477
Gaus mean : 40.3365
Gaus Width: 4.0241
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

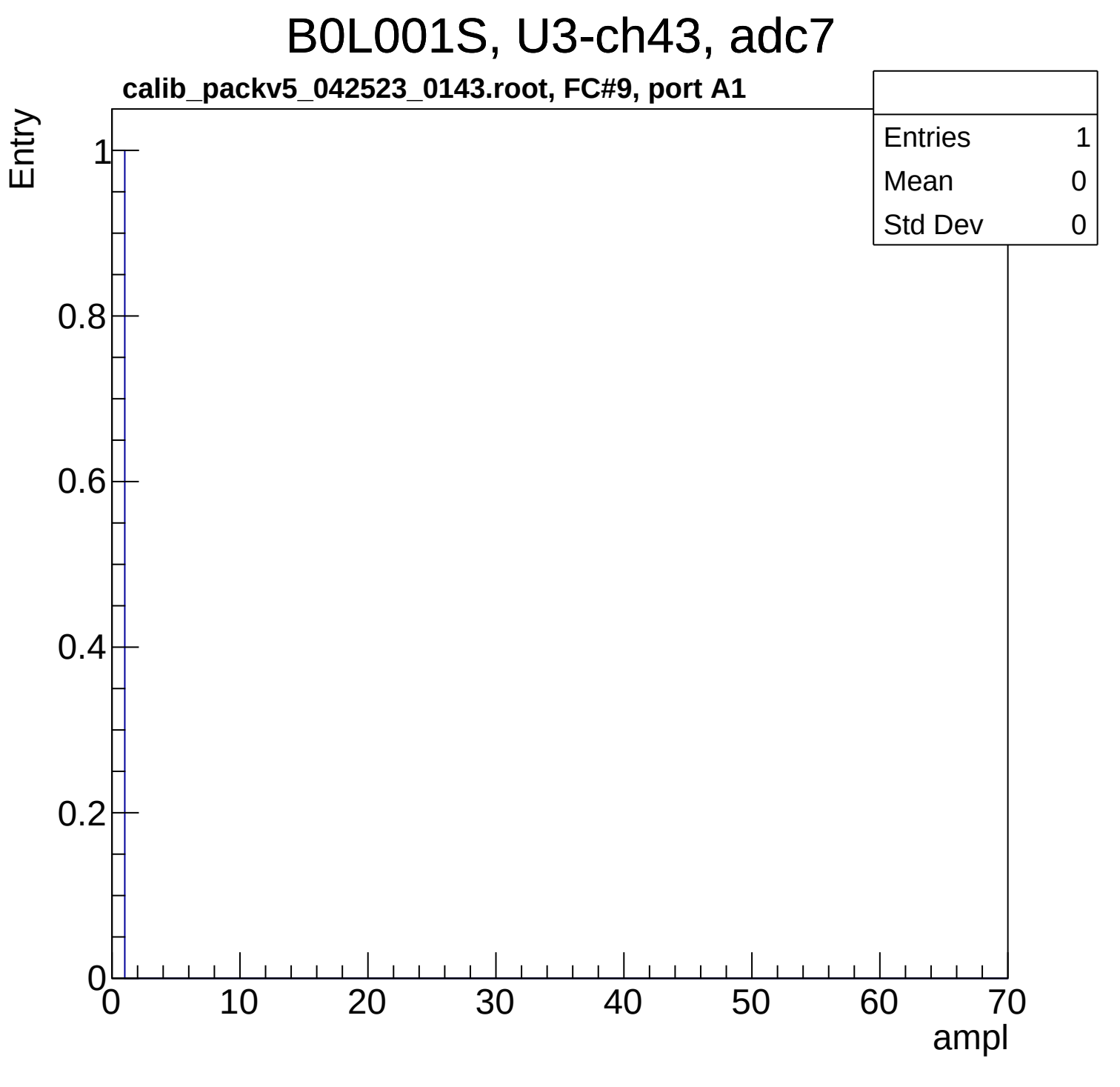

B0L001S, U3-ch43, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 46.24
Std Dev 3.526
Gaus mean : 47.0156
Gaus Width: 2.9279
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

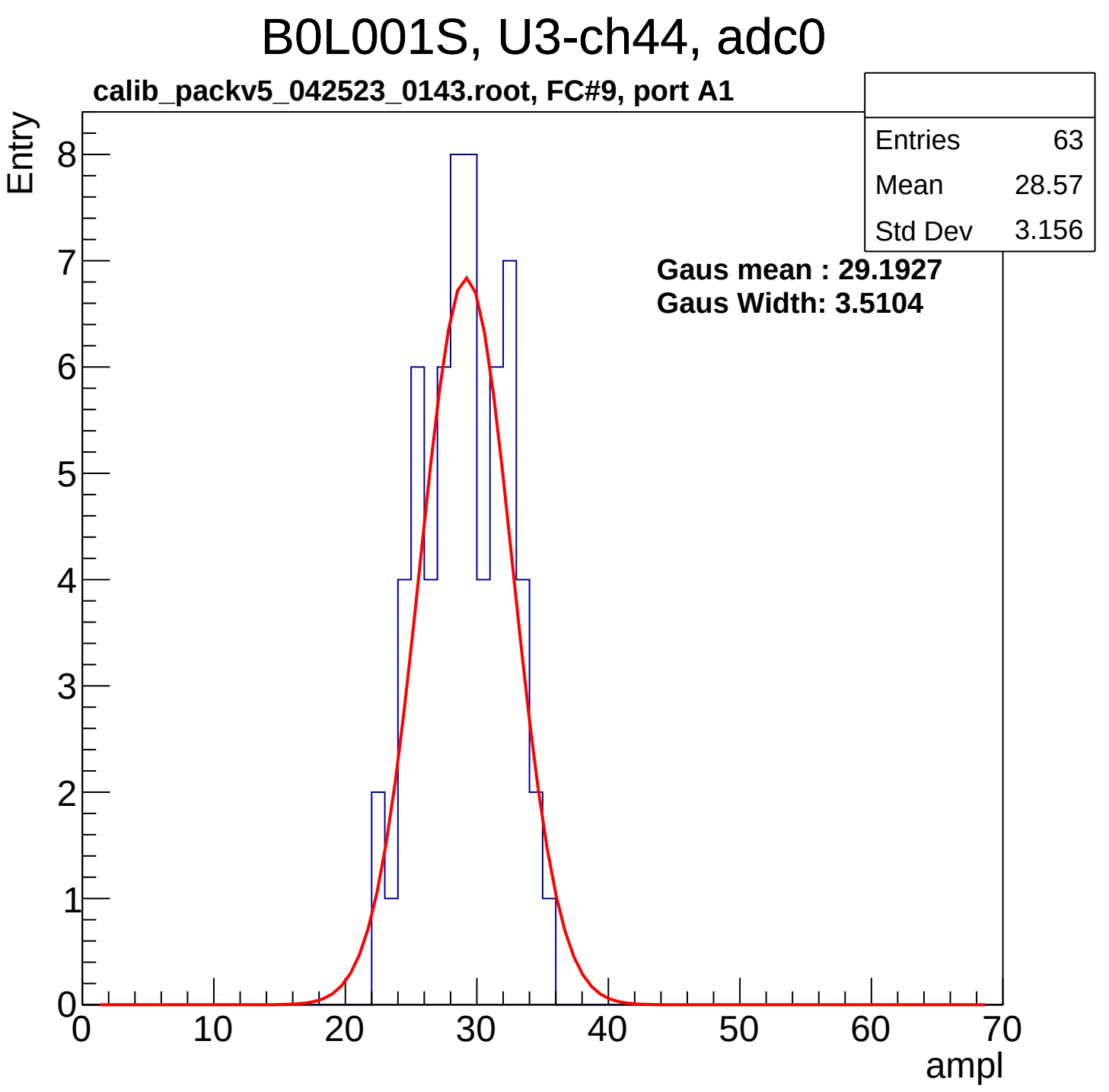

B0L001S, U3-ch43, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 53.25
Std Dev 3.307
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

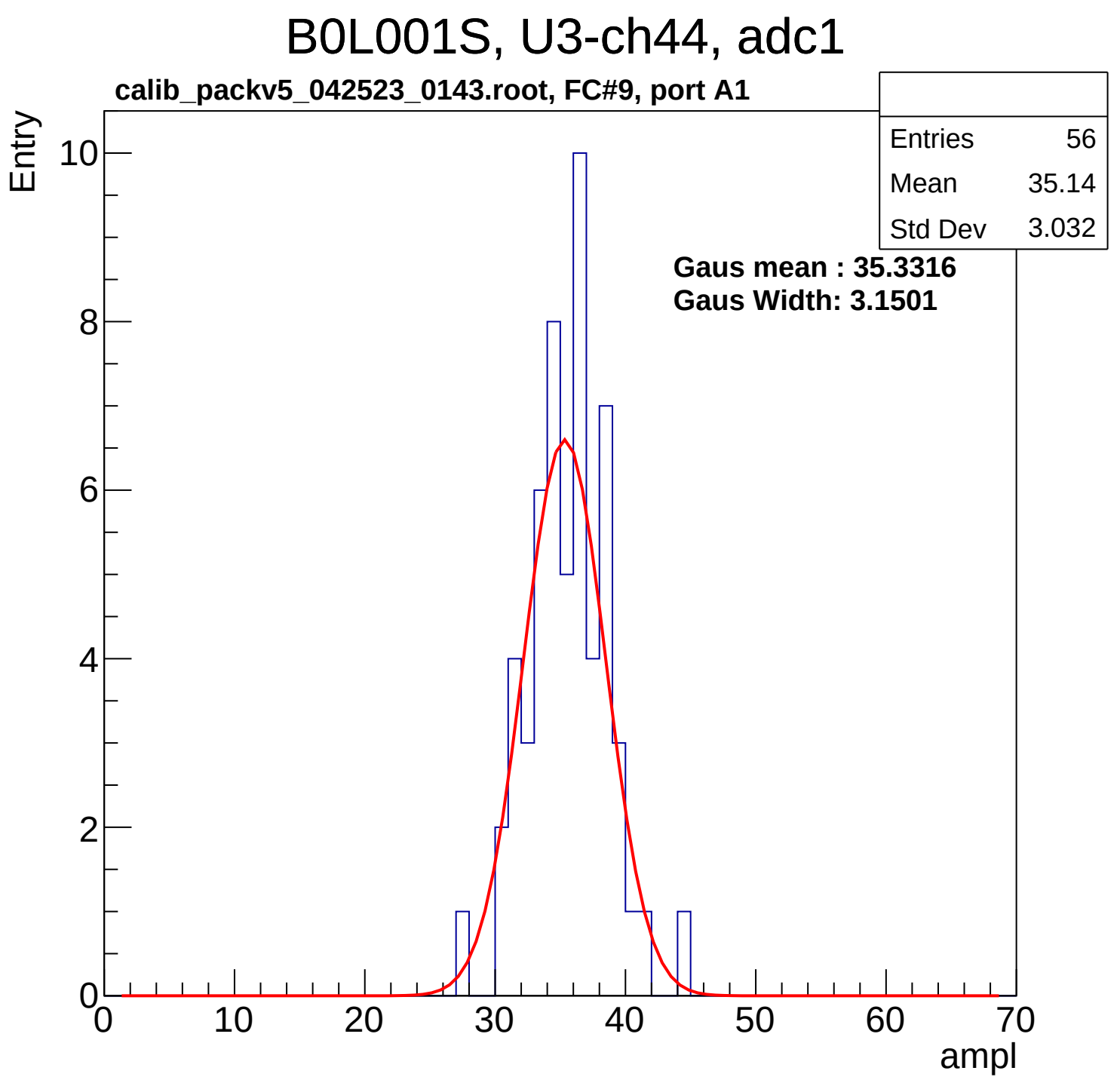

B0L001S, U3-ch43, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 57.44
Std Dev 9.433
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

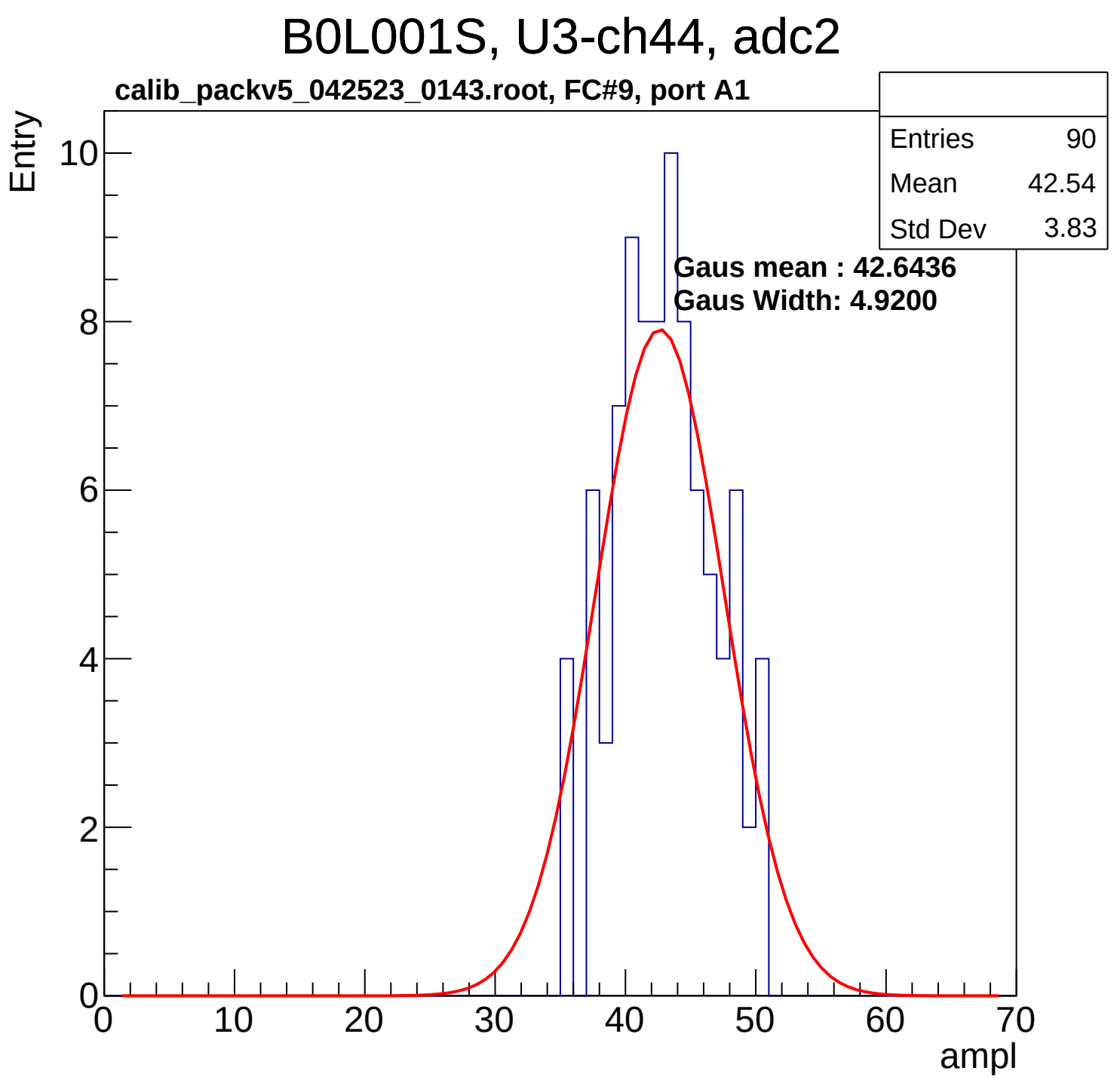

B0L001S, U3-ch43, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 23
Mean 61.22
Std Dev 1.693
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl

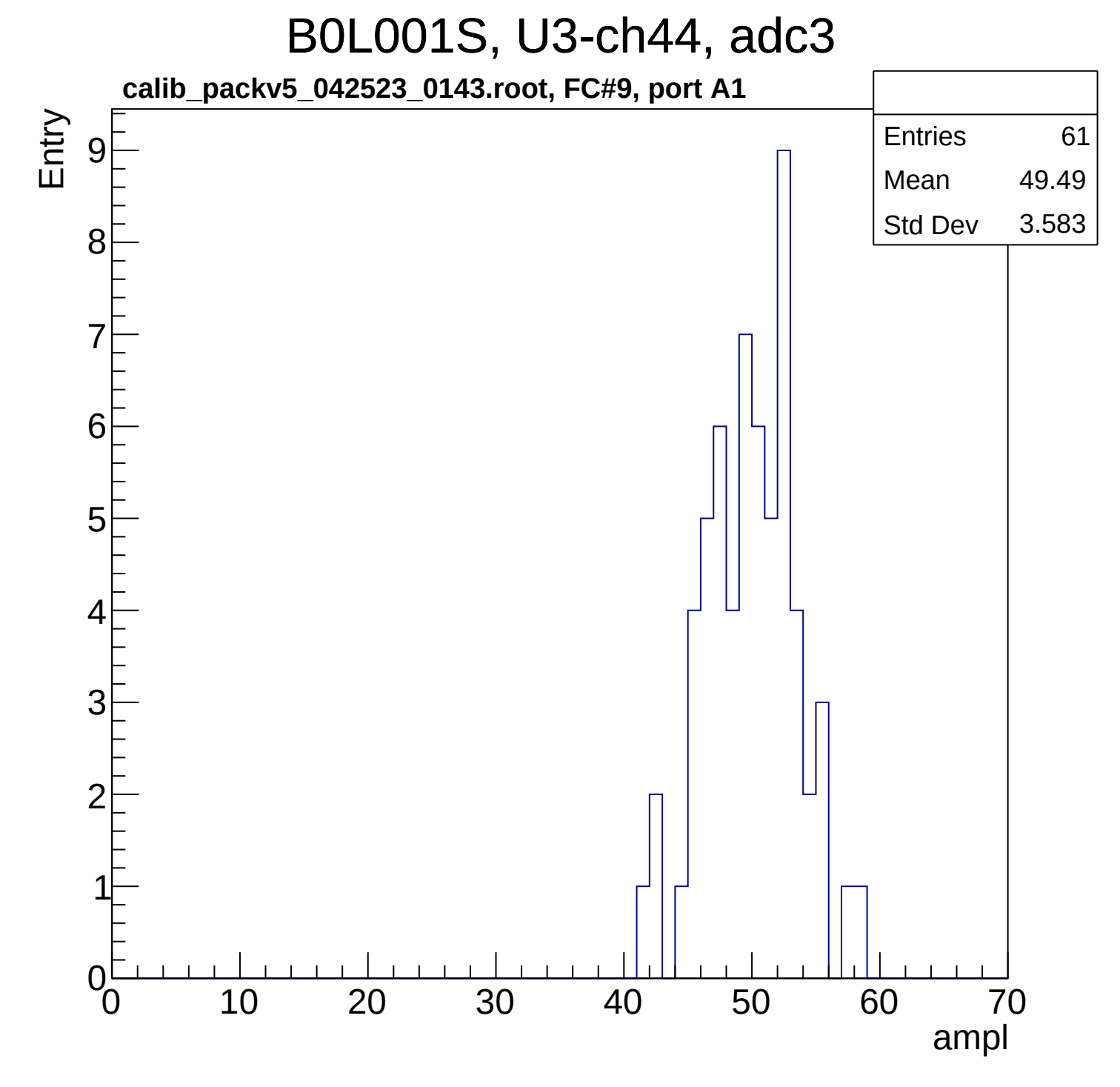

B0L001S, U3-ch43, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 62
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

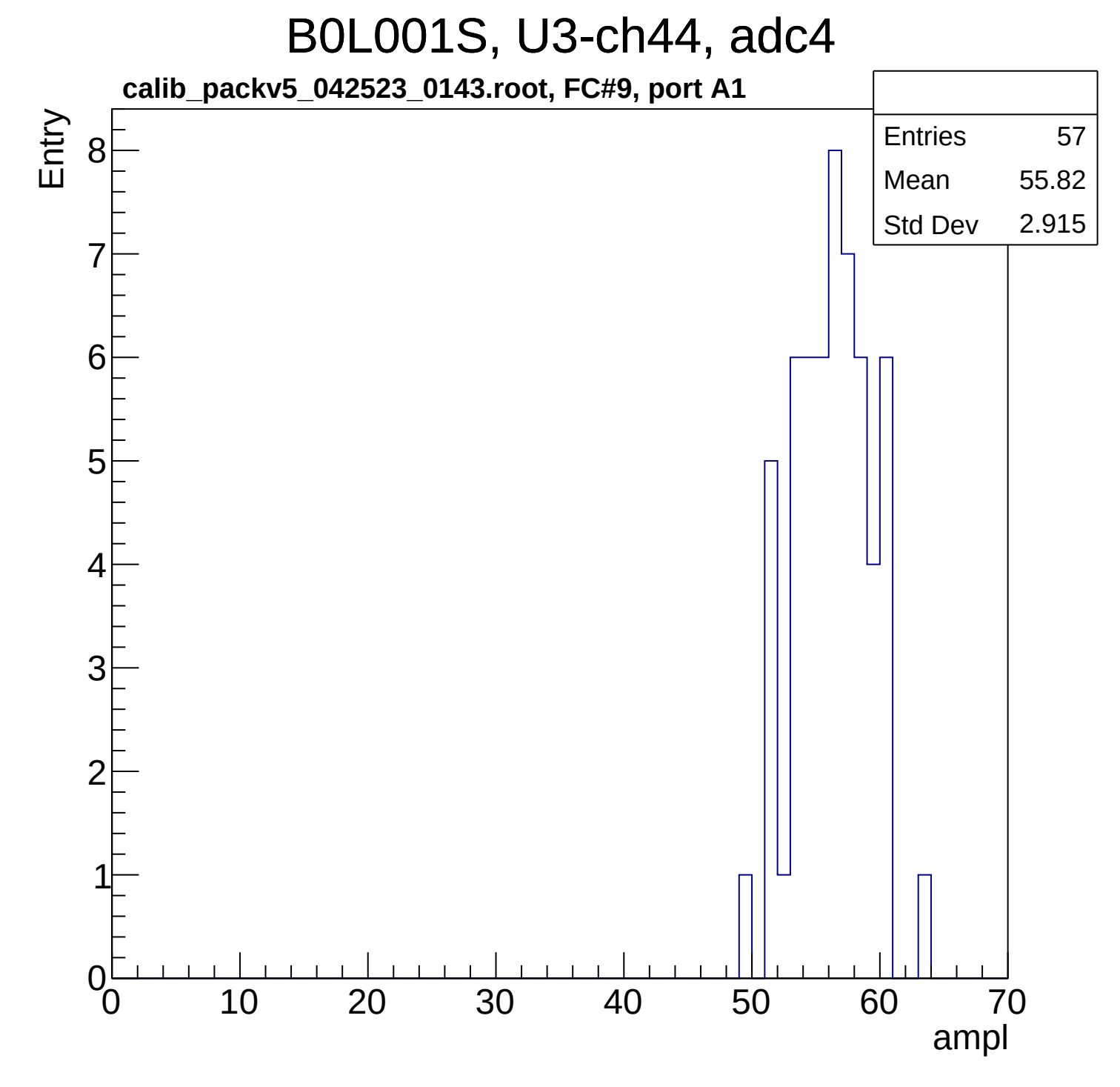

B0L001S, U3-ch43, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

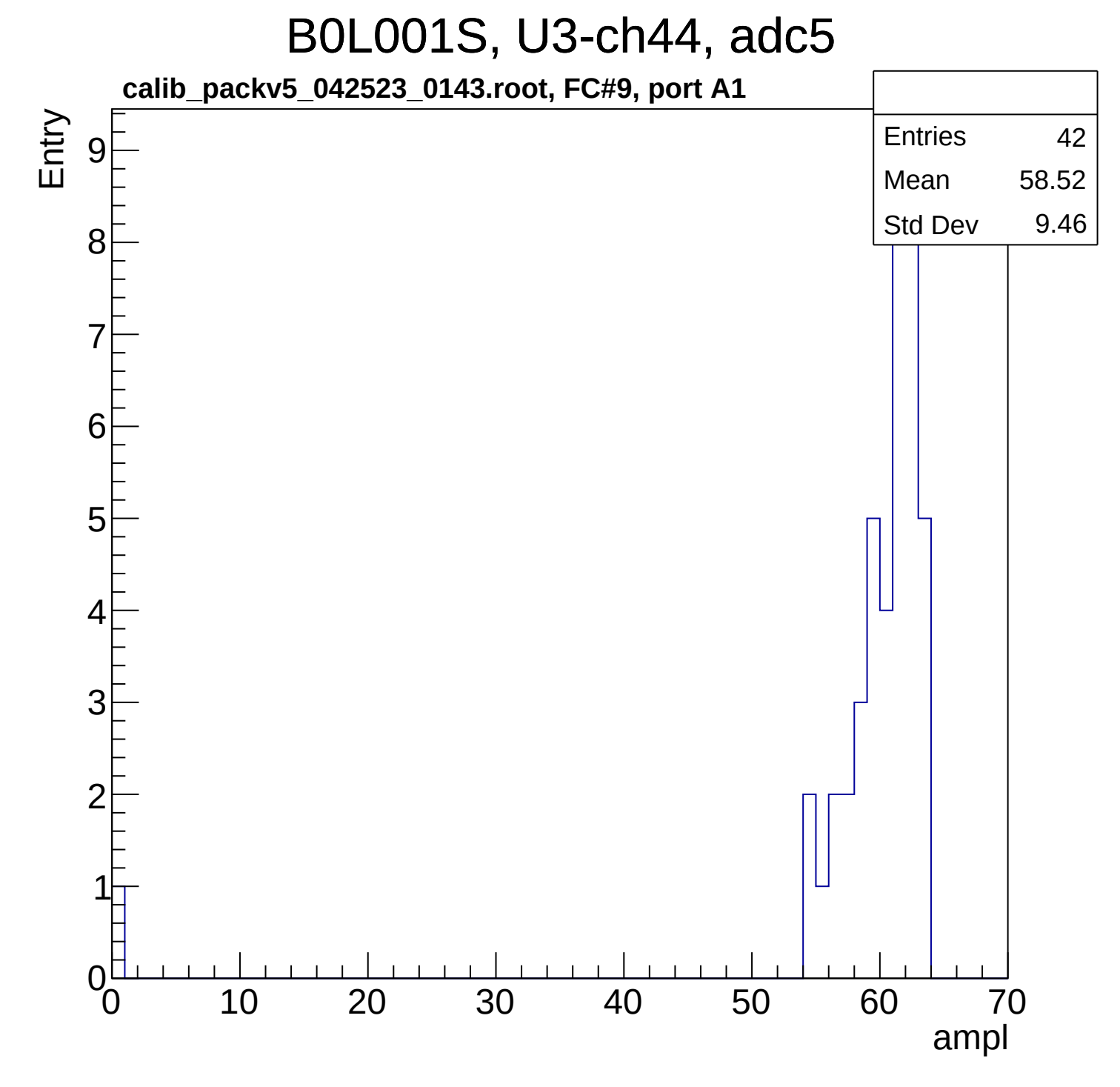

B0L001S, U3-ch44, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 28.57
Std Dev 3.156
Gaus mean : 29.1927
Gaus Width: 3.5104
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

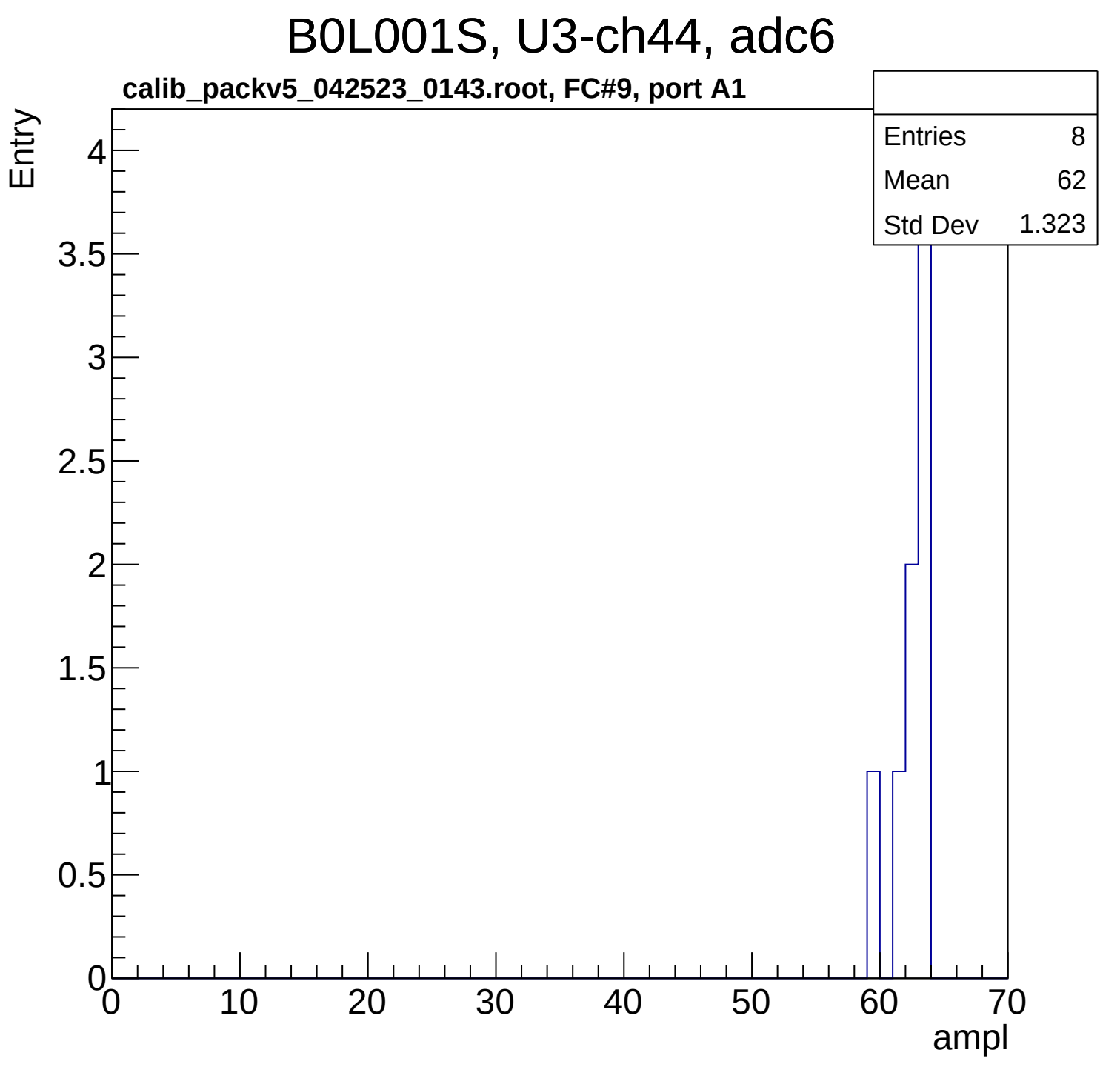

B0L001S, U3-ch44, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 35.14
Std Dev 3.032
Gaus mean : 35.3316
Gaus Width: 3.1501
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

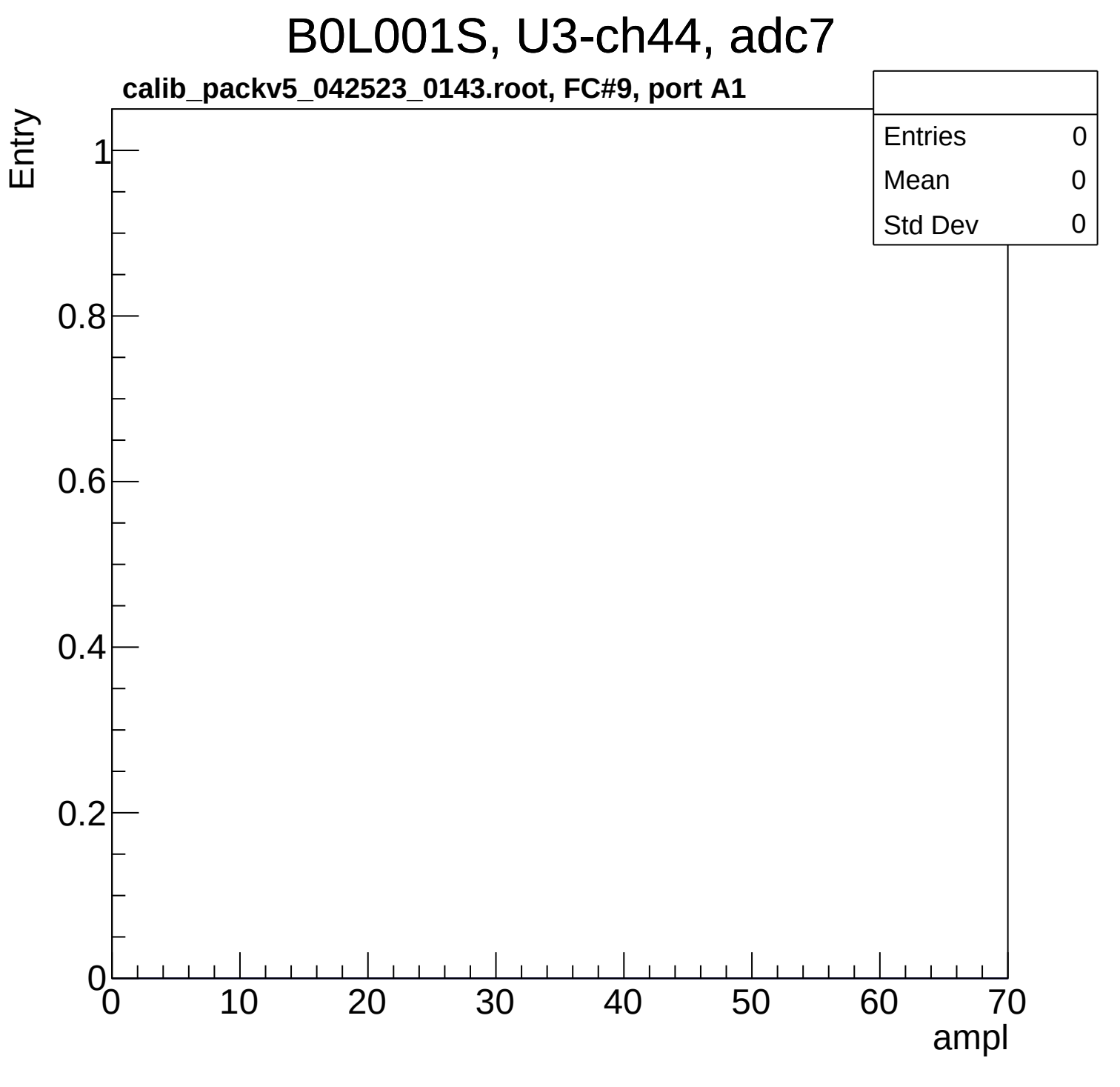

B0L001S, U3-ch44, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 90
Mean 42.54
Std Dev 3.83
Gaus mean : 42.6436
Gaus Width: 4.9200
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

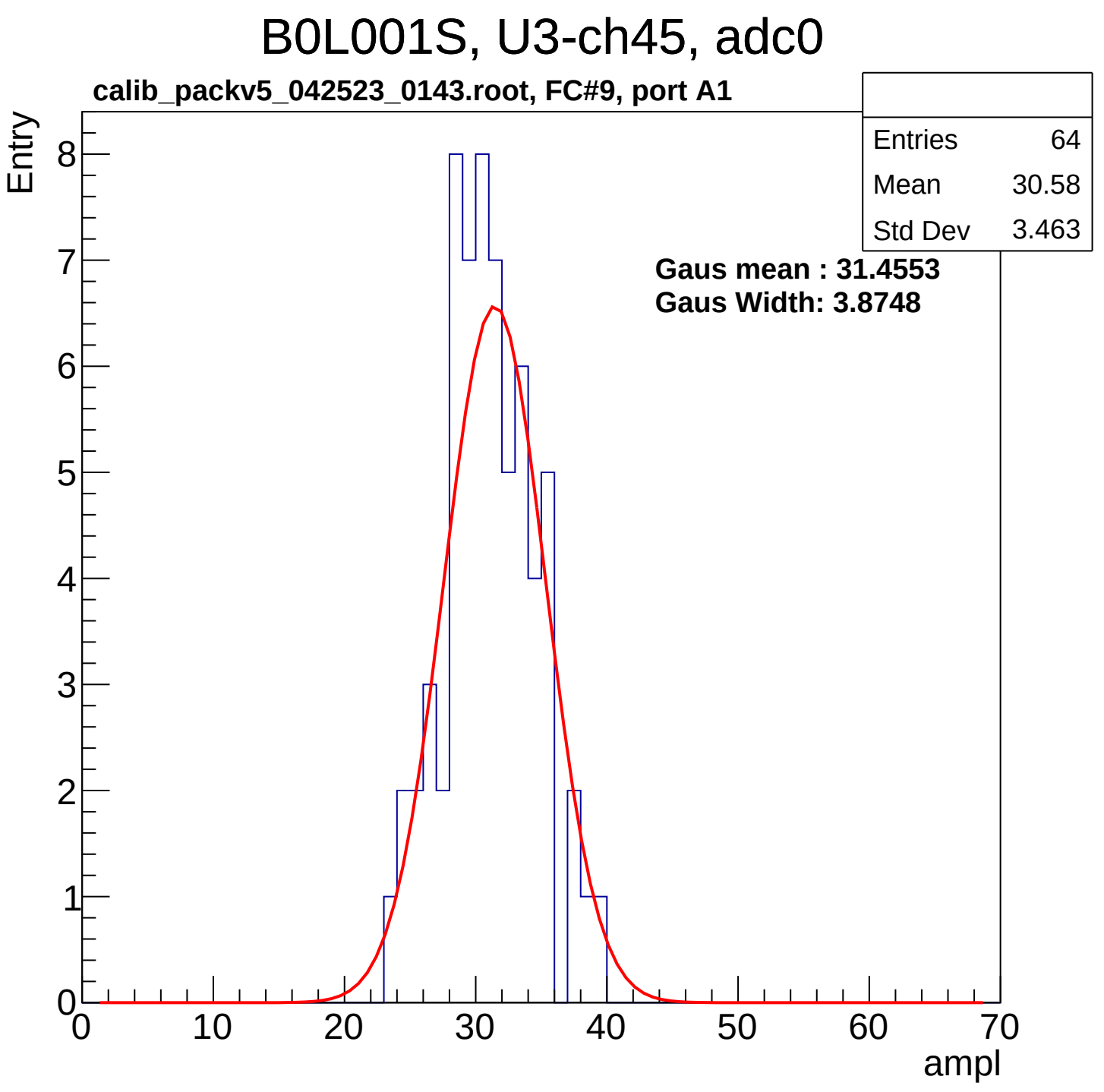

B0L001S, U3-ch44, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 49.49
Std Dev 3.583
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

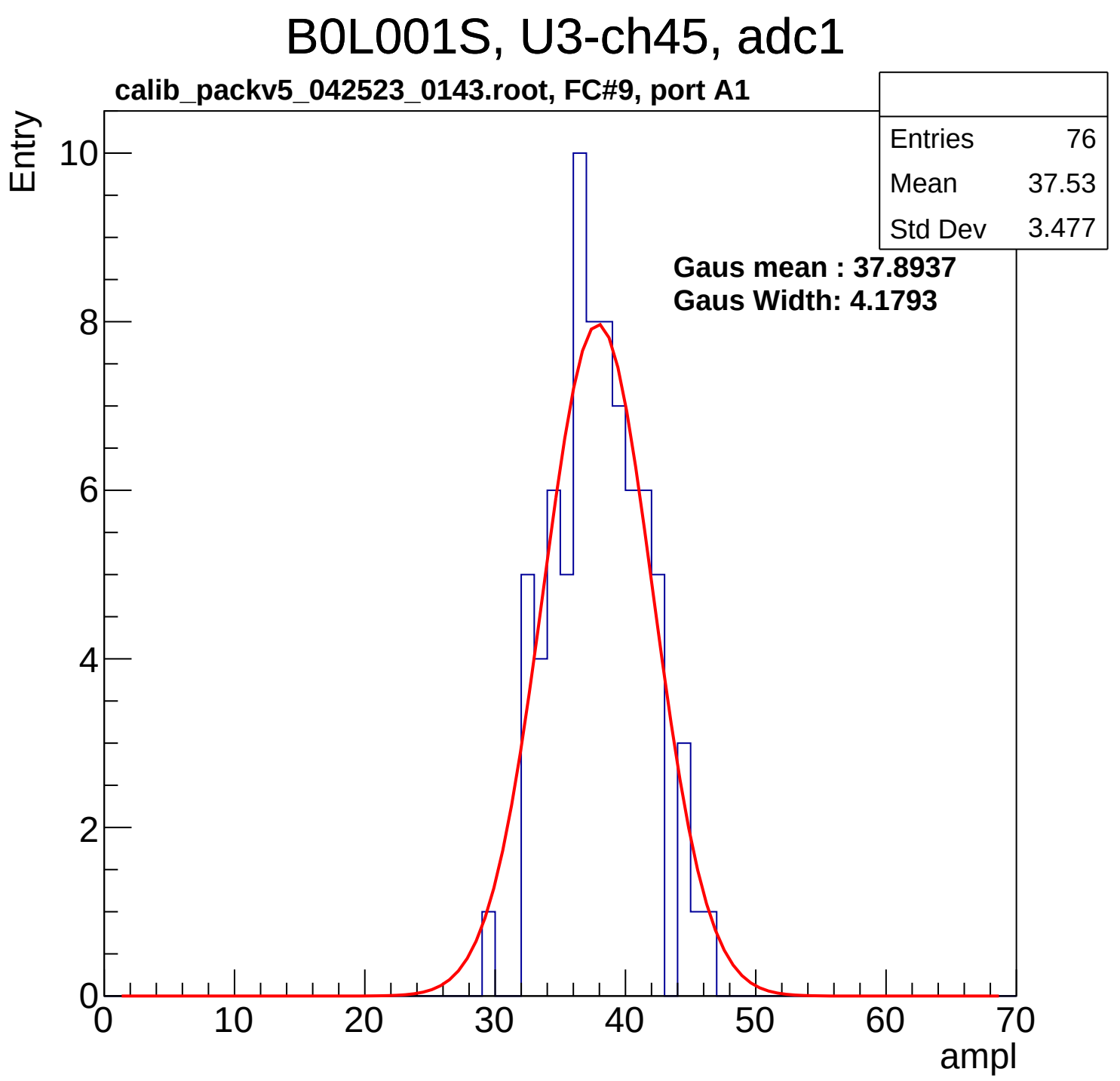

B0L001S, U3-ch44, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 55.82
Std Dev 2.915
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

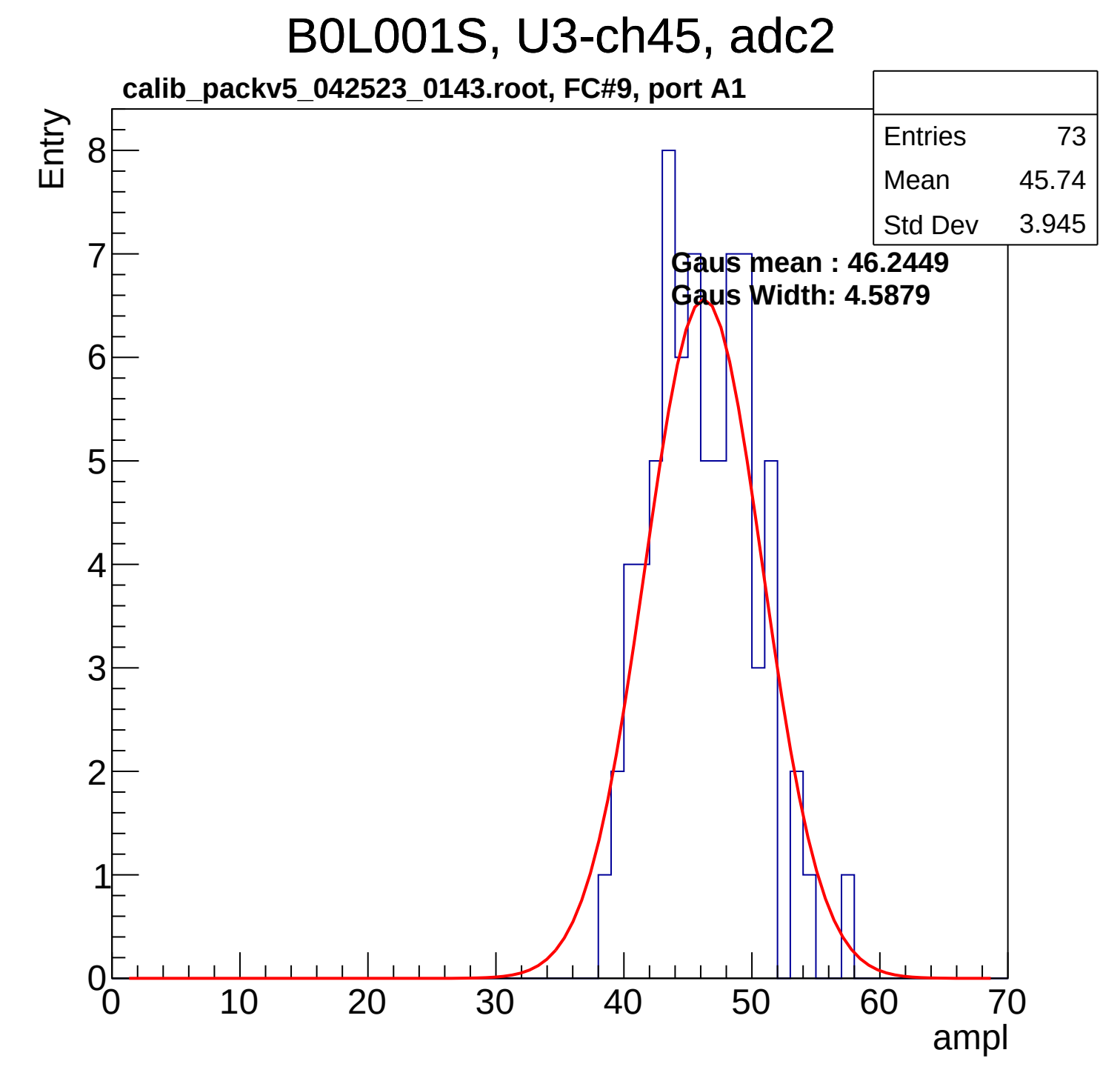

B0L001S, U3-ch44, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 58.52
Std Dev 9.46
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

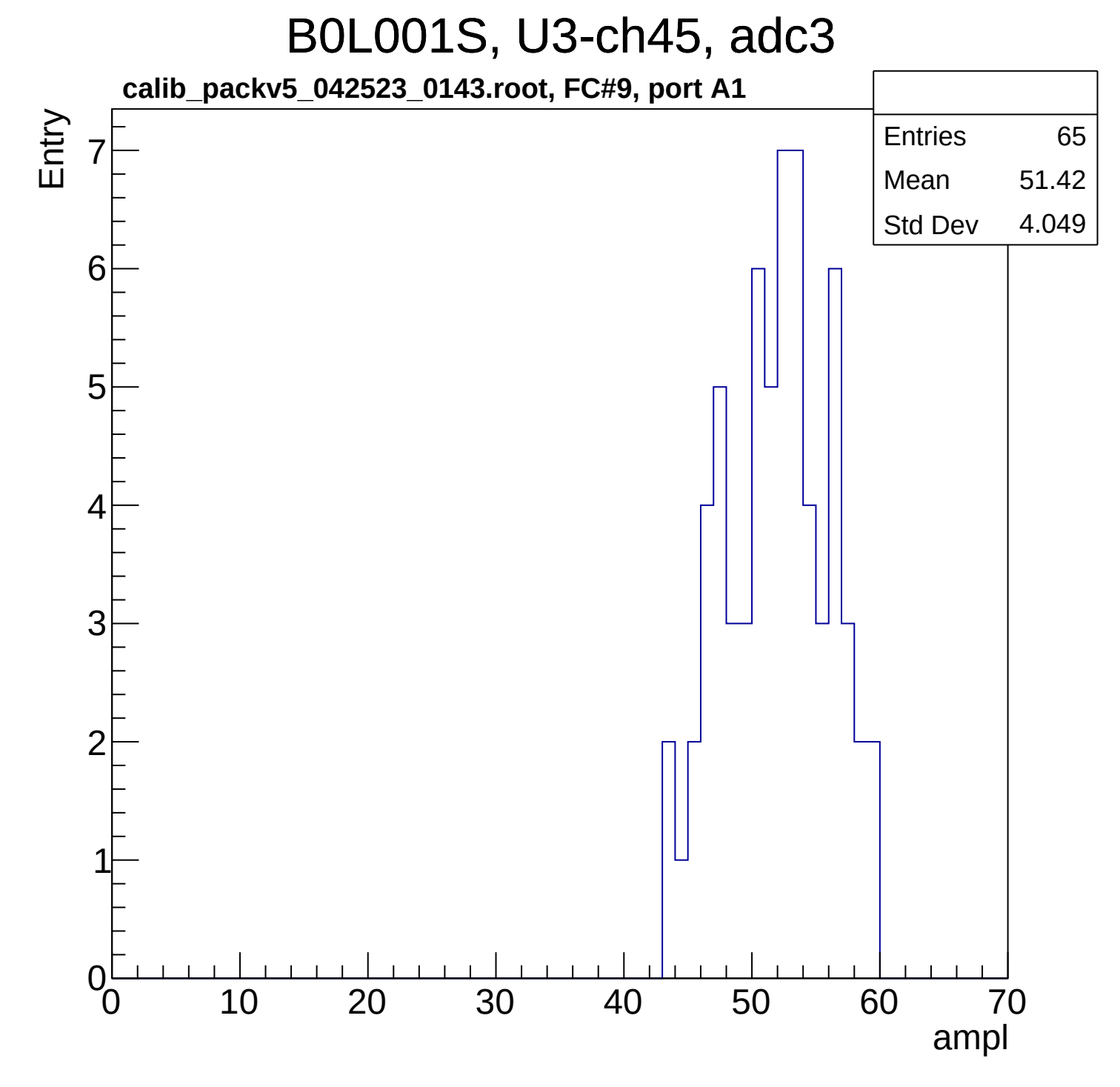

B0L001S, U3-ch44, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 62
Std Dev 1.323
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70

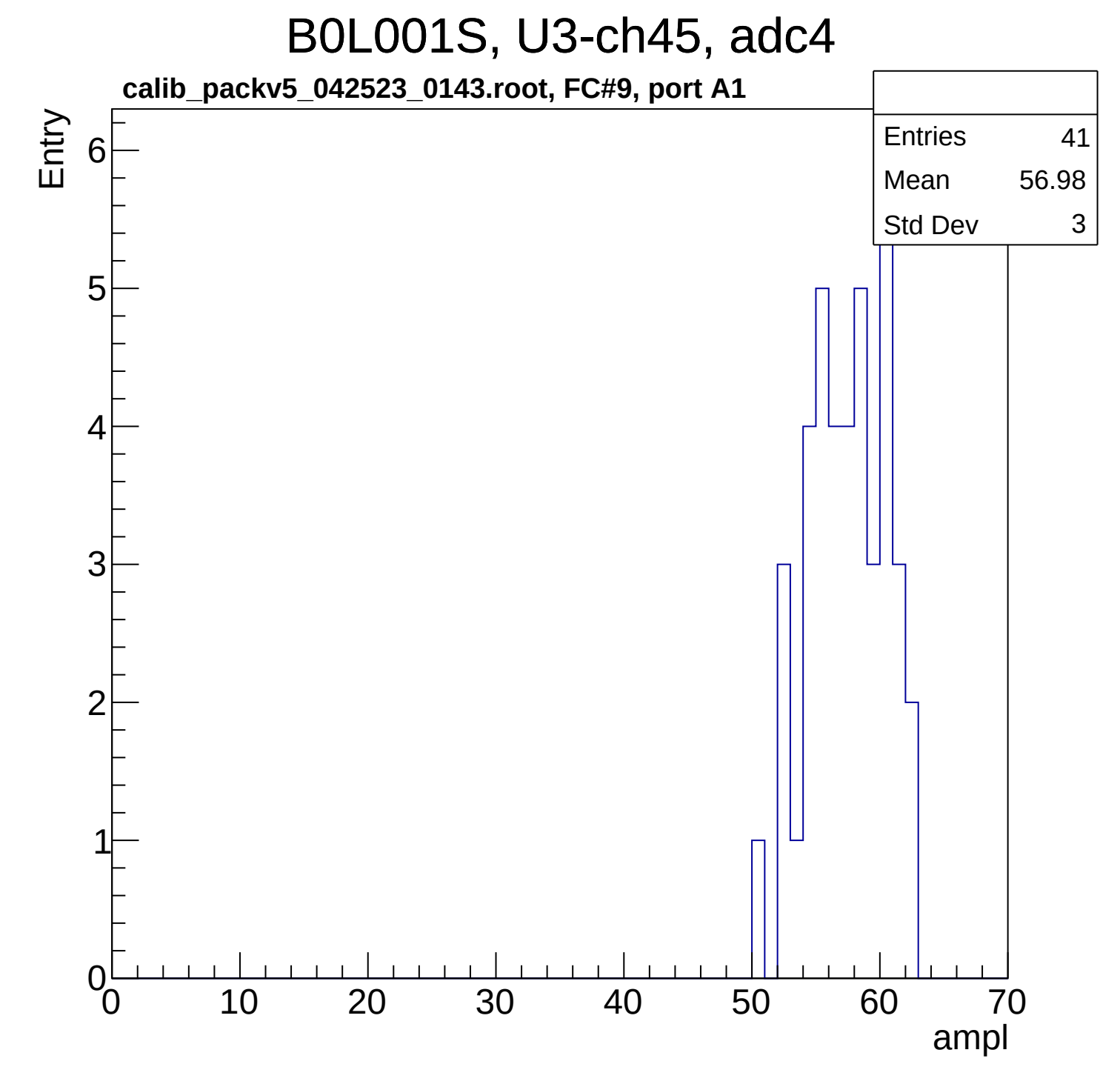

B0L001S, U3-ch44, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

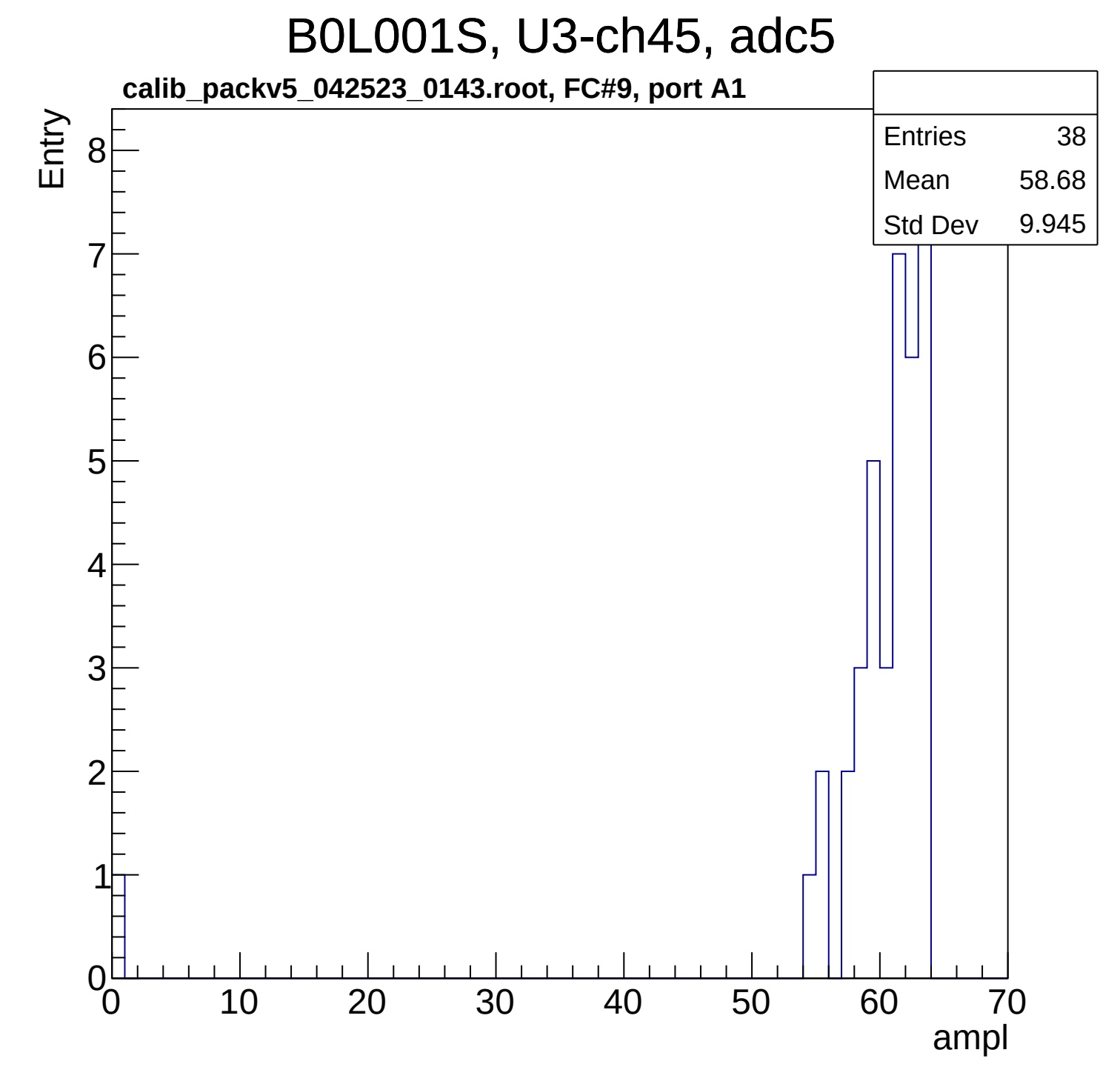

B0L001S, U3-ch45, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 30.58
Std Dev 3.463
Gaus mean : 31.4553
Gaus Width: 3.8748
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch45, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 37.53
Std Dev 3.477
Gaus mean : 37.8937
Gaus Width: 4.1793
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch45, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 45.74
Std Dev 3.945
Gaus mean : 46.2449
Gaus Width: 4.5879
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch45, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 51.42
Std Dev 4.049
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch45, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 56.98
Std Dev 3
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch45, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 58.68
Std Dev 9.945
Entry
ampl
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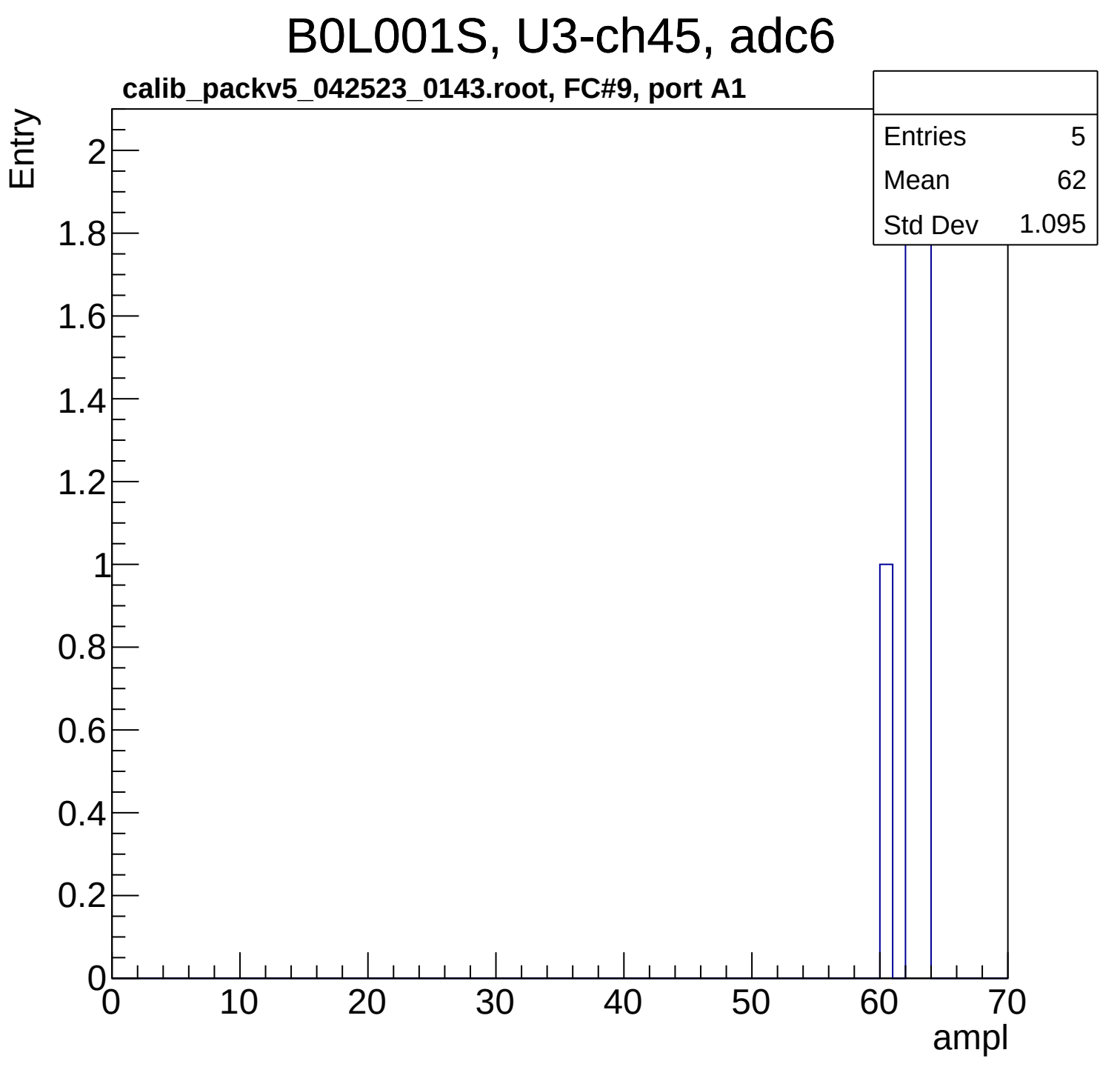
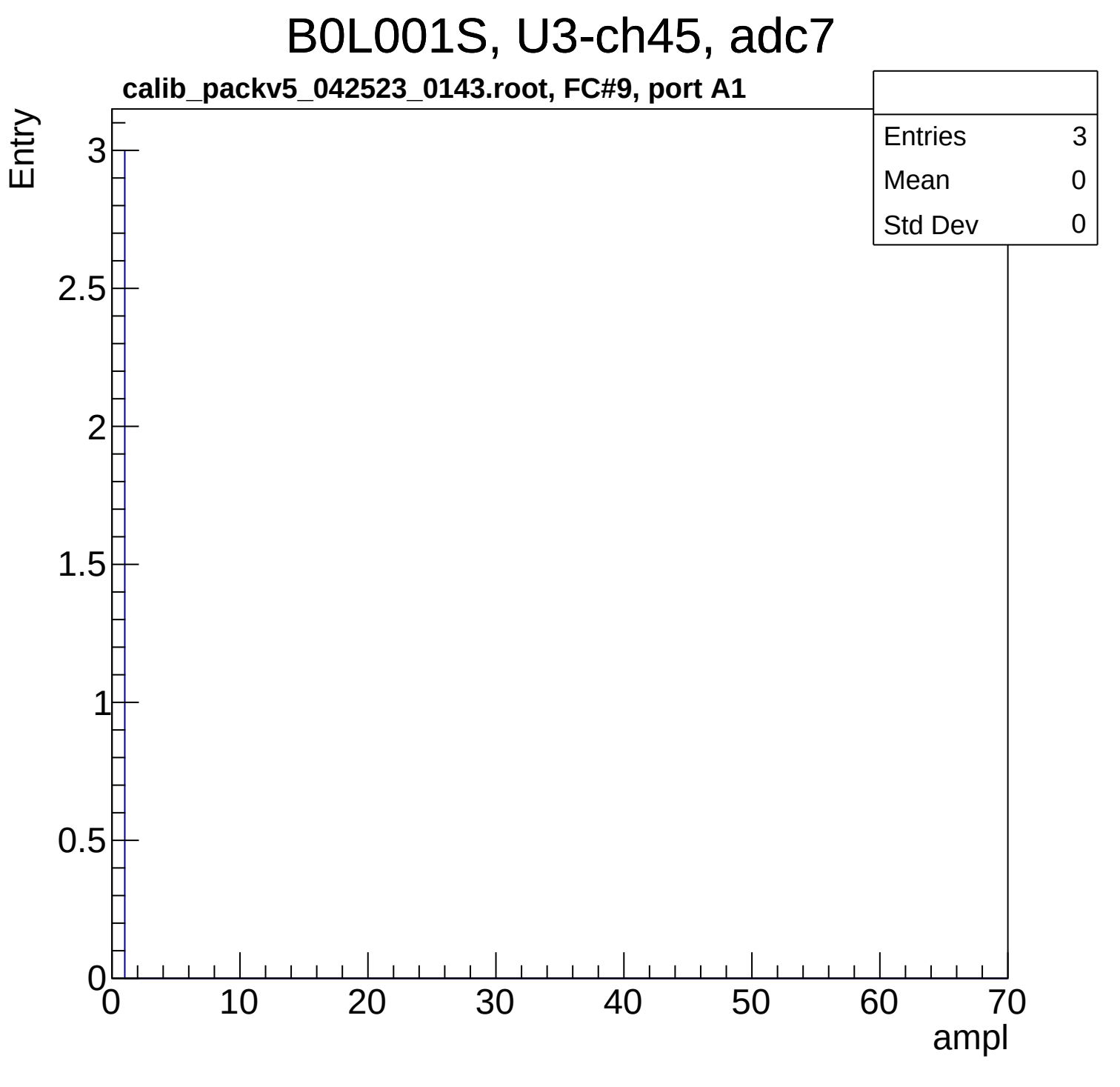
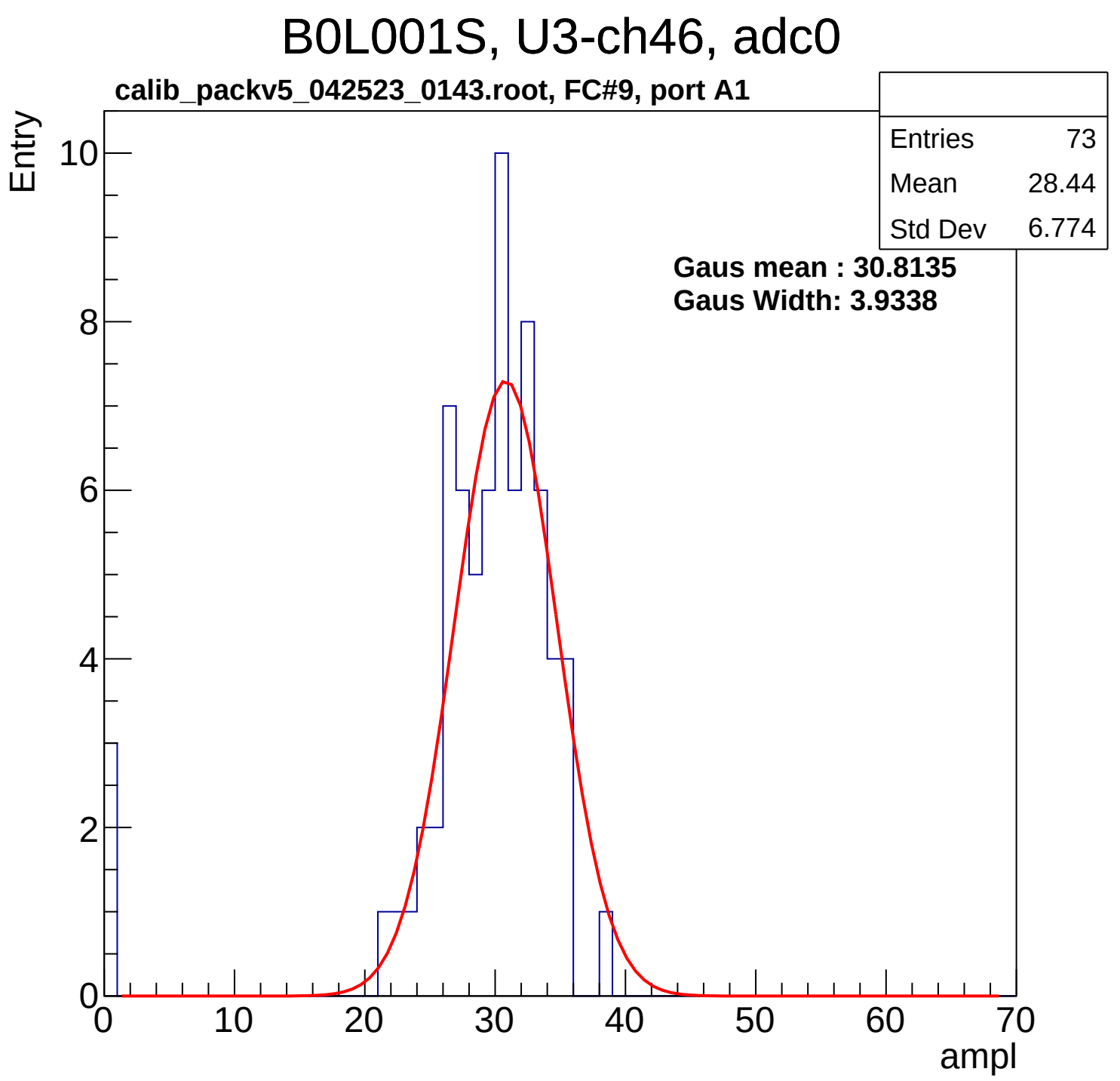
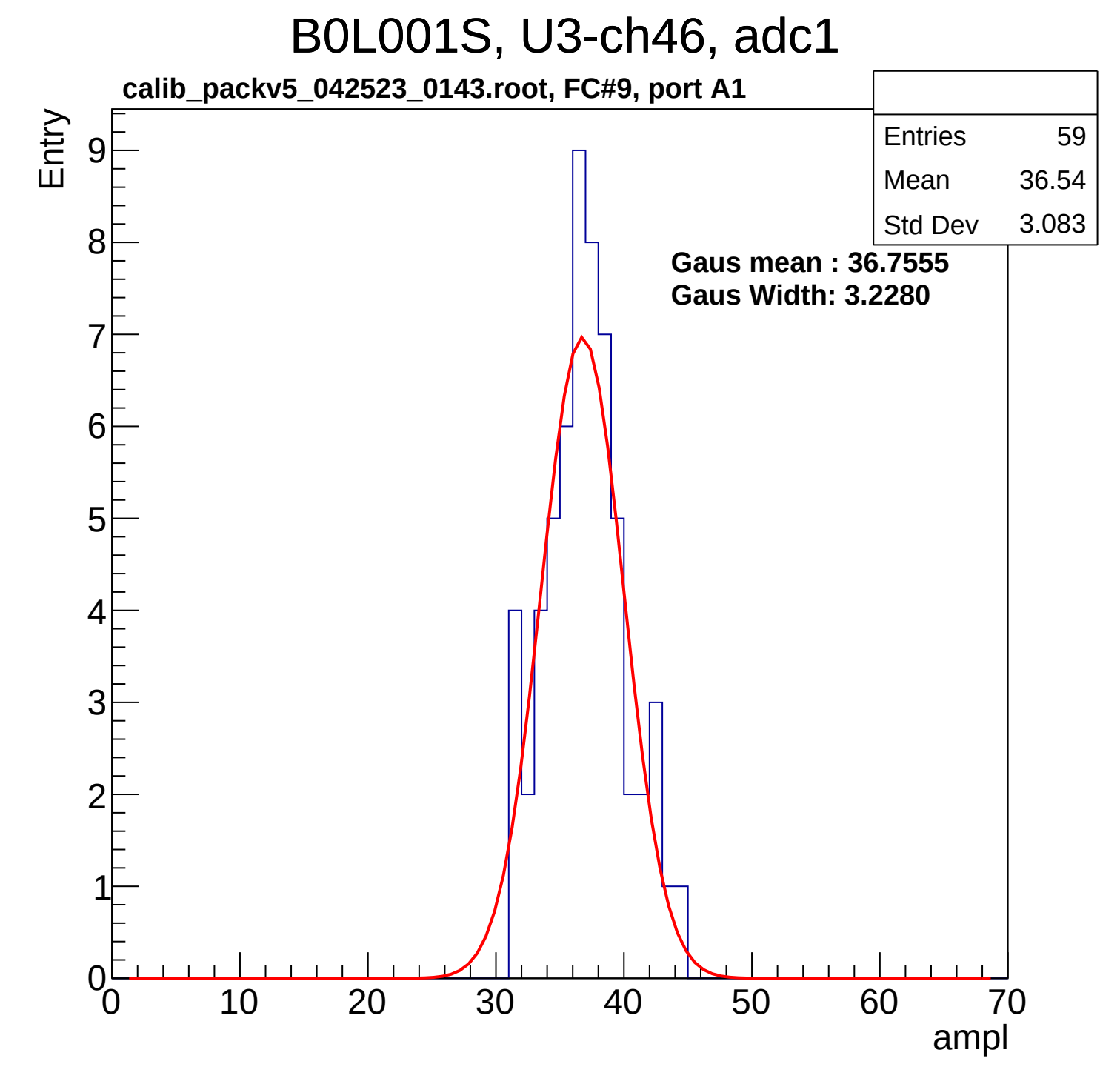
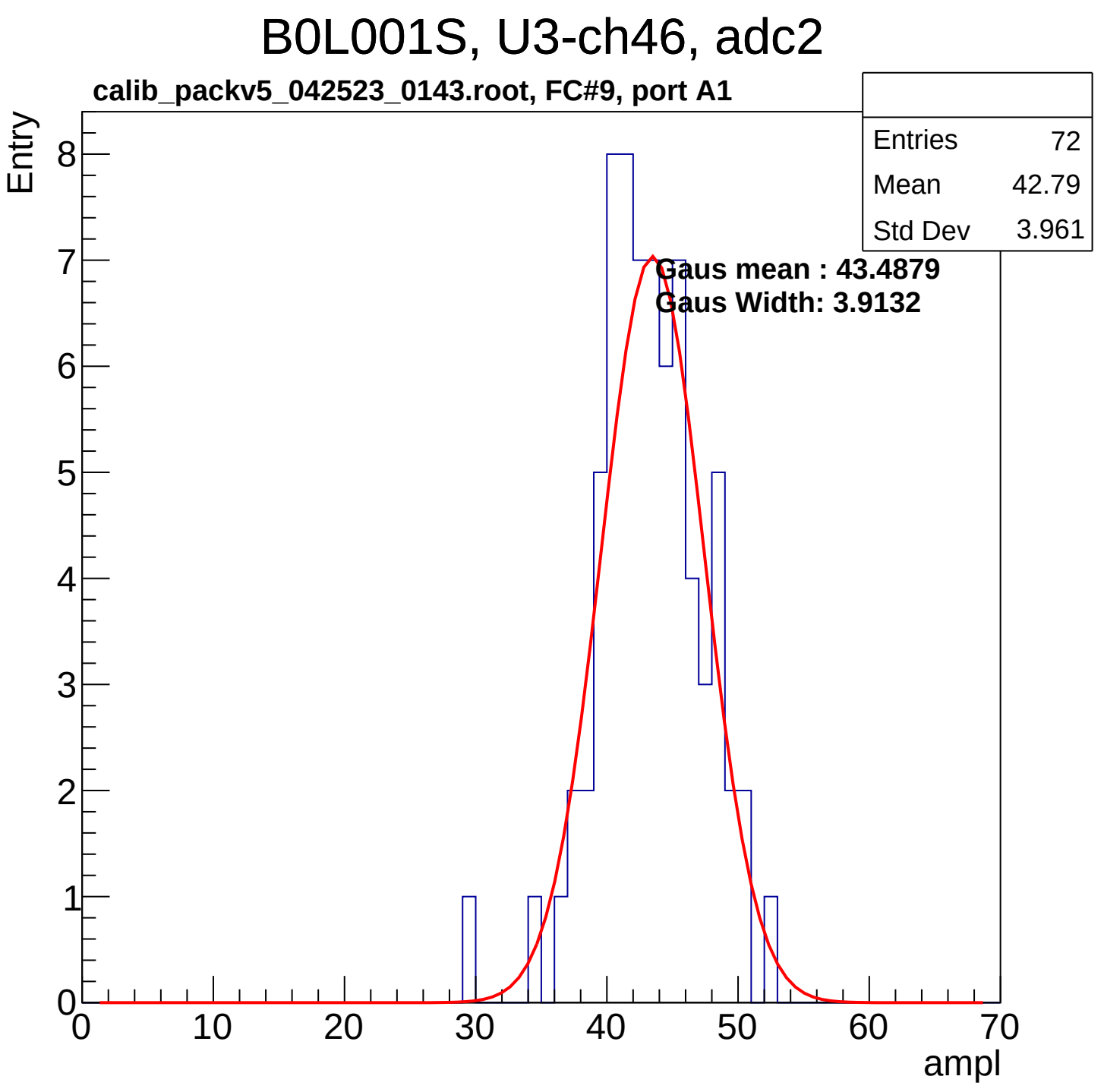
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch45, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 62
Std Dev 1.095
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


B0L001S, U3-ch45, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch46, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 28.44
Std Dev 6.774
Gaus mean : 30.8135
Gaus Width: 3.9338
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch46, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 36.54
Std Dev 3.083
Gaus mean : 36.7555
Gaus Width: 3.2280
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch46, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 42.79
Std Dev 3.961
Gaus mean : 43.4879
Gaus Width: 3.9132
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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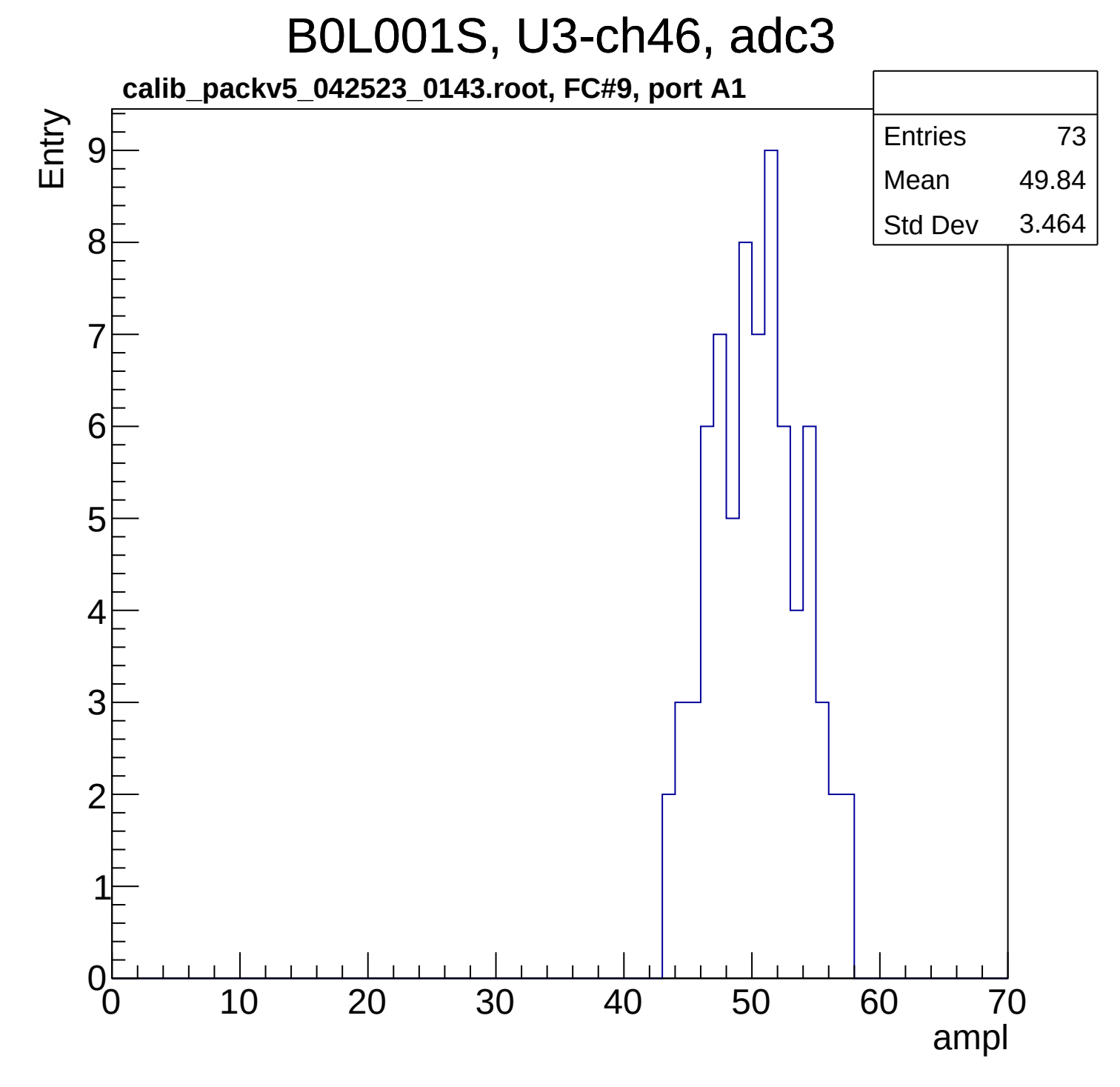
B0L001S, U3-ch46, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 49.84
Std Dev 3.464
Entry
ampl
0
1
2
3
4
5
6
7
8
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0
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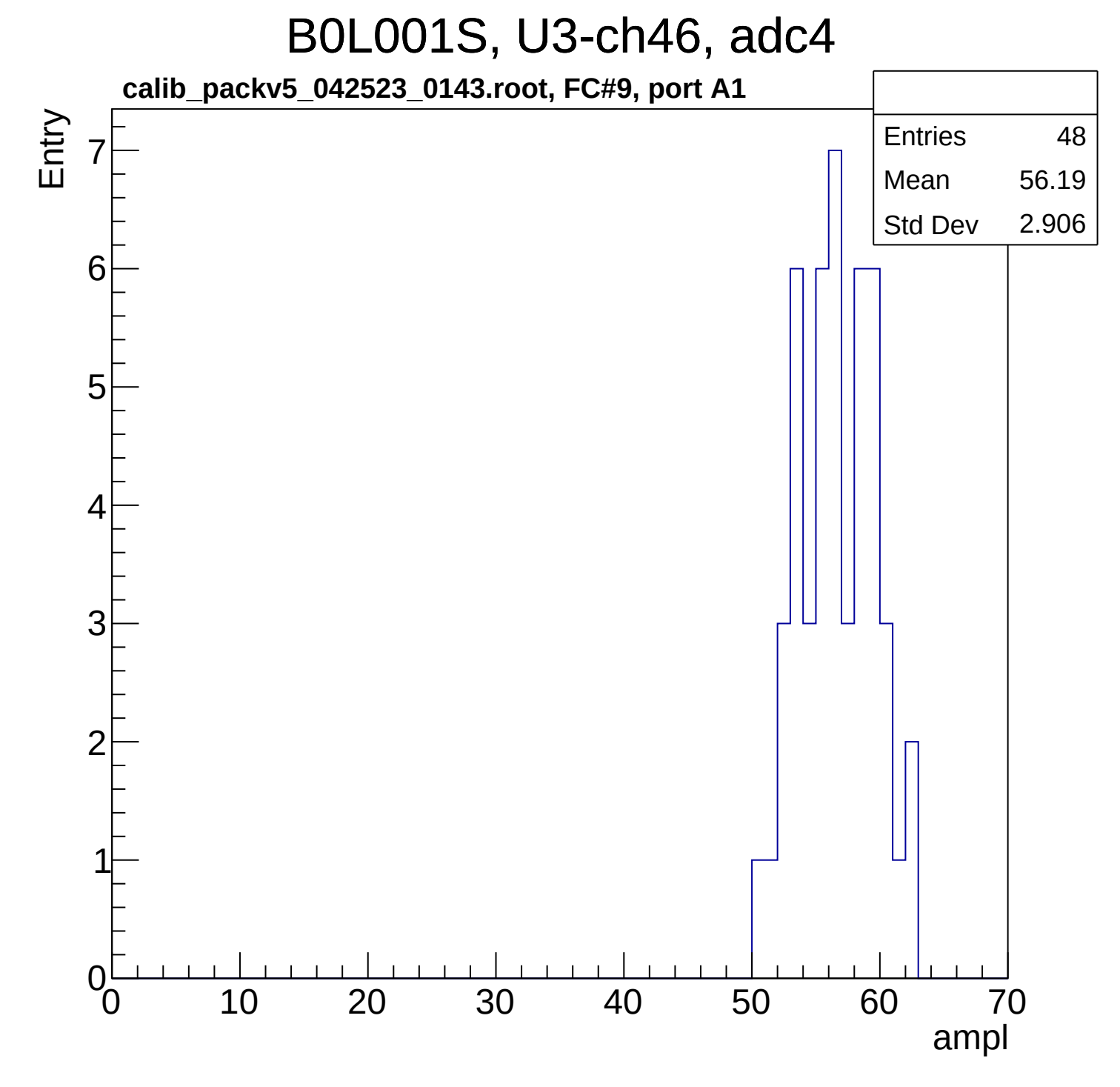
B0L001S, U3-ch46, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 56.19
Std Dev 2.906
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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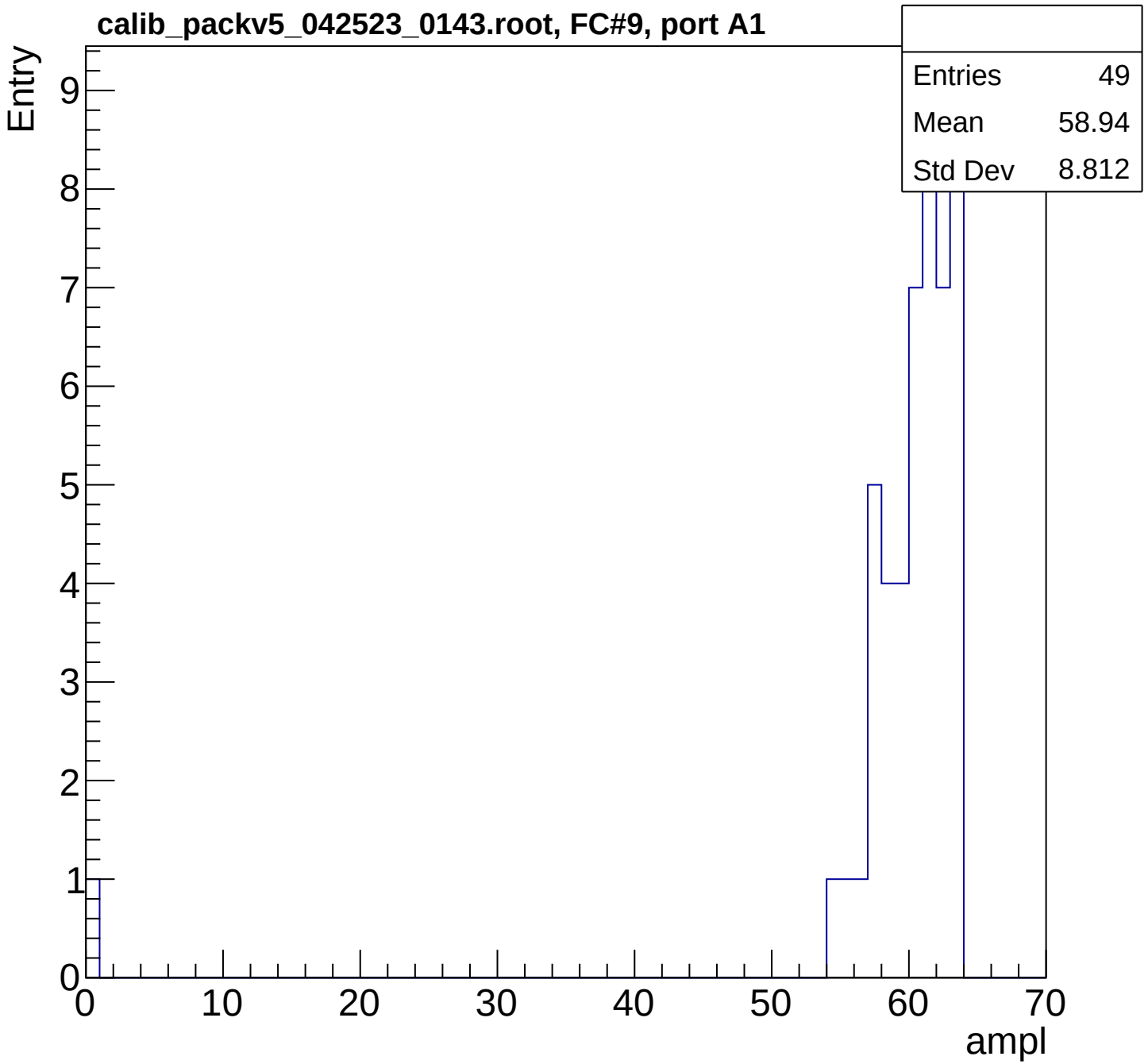
B0L001S, U3-ch46, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 58.94
Std Dev 8.812
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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60
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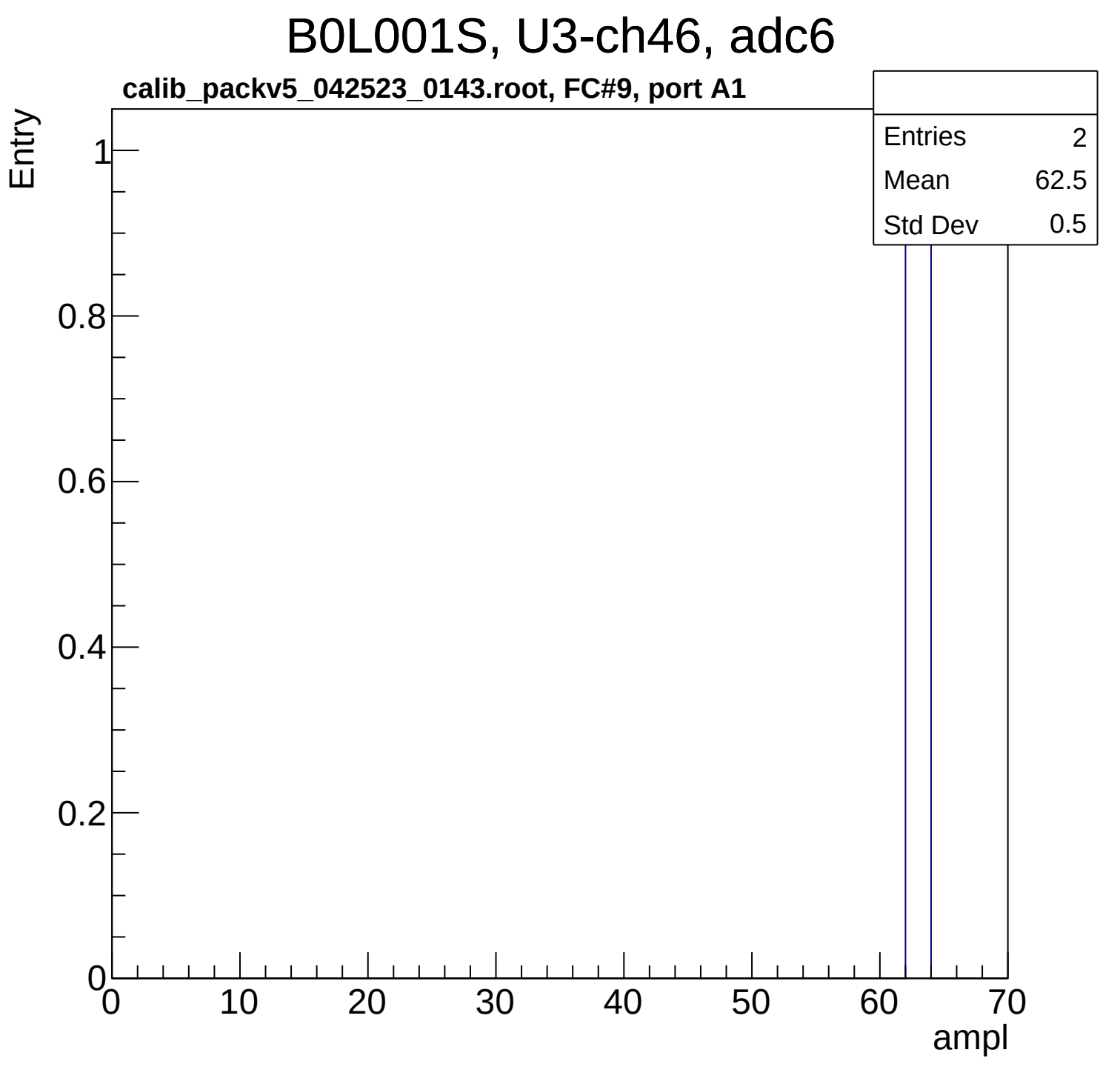
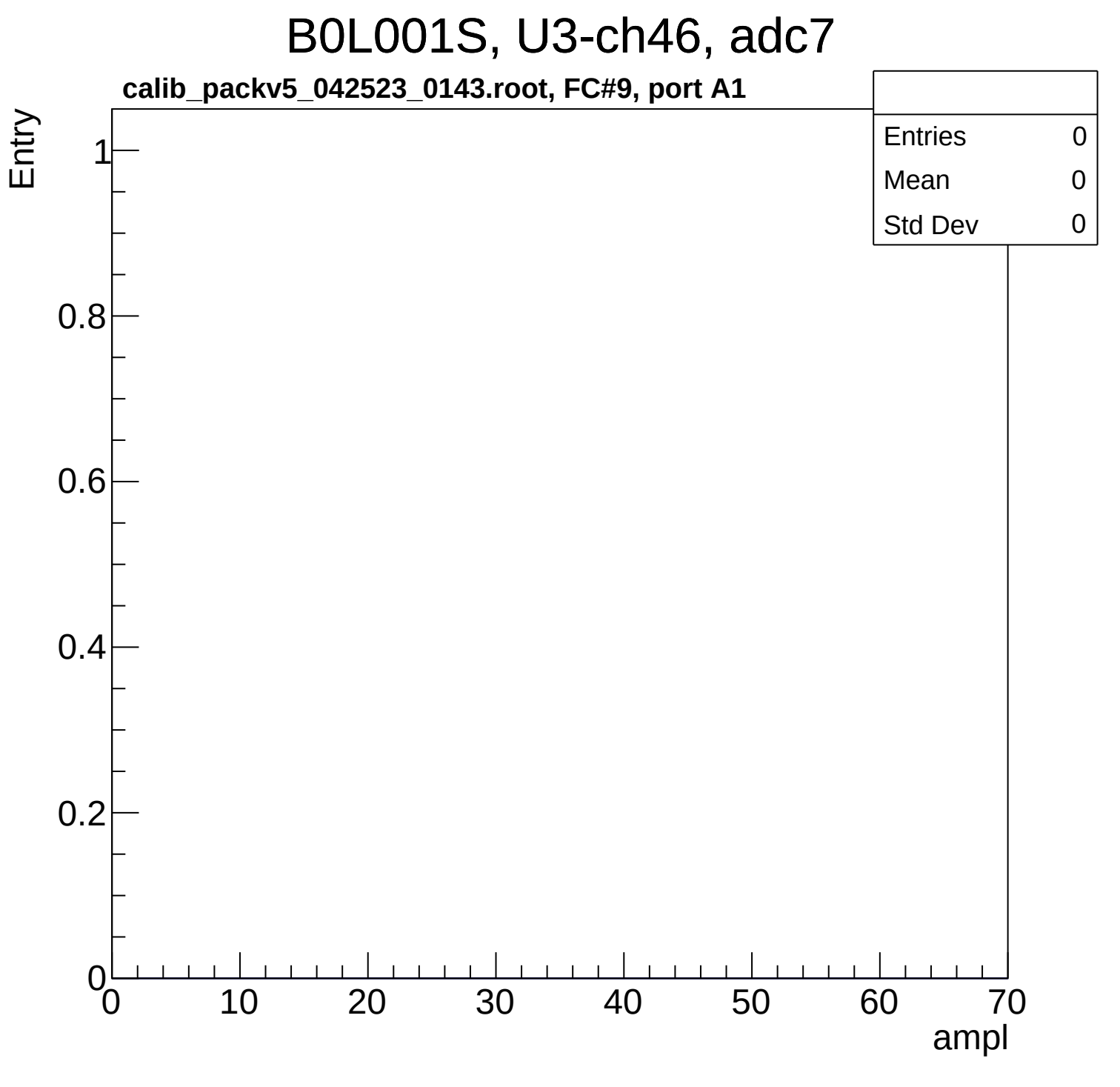
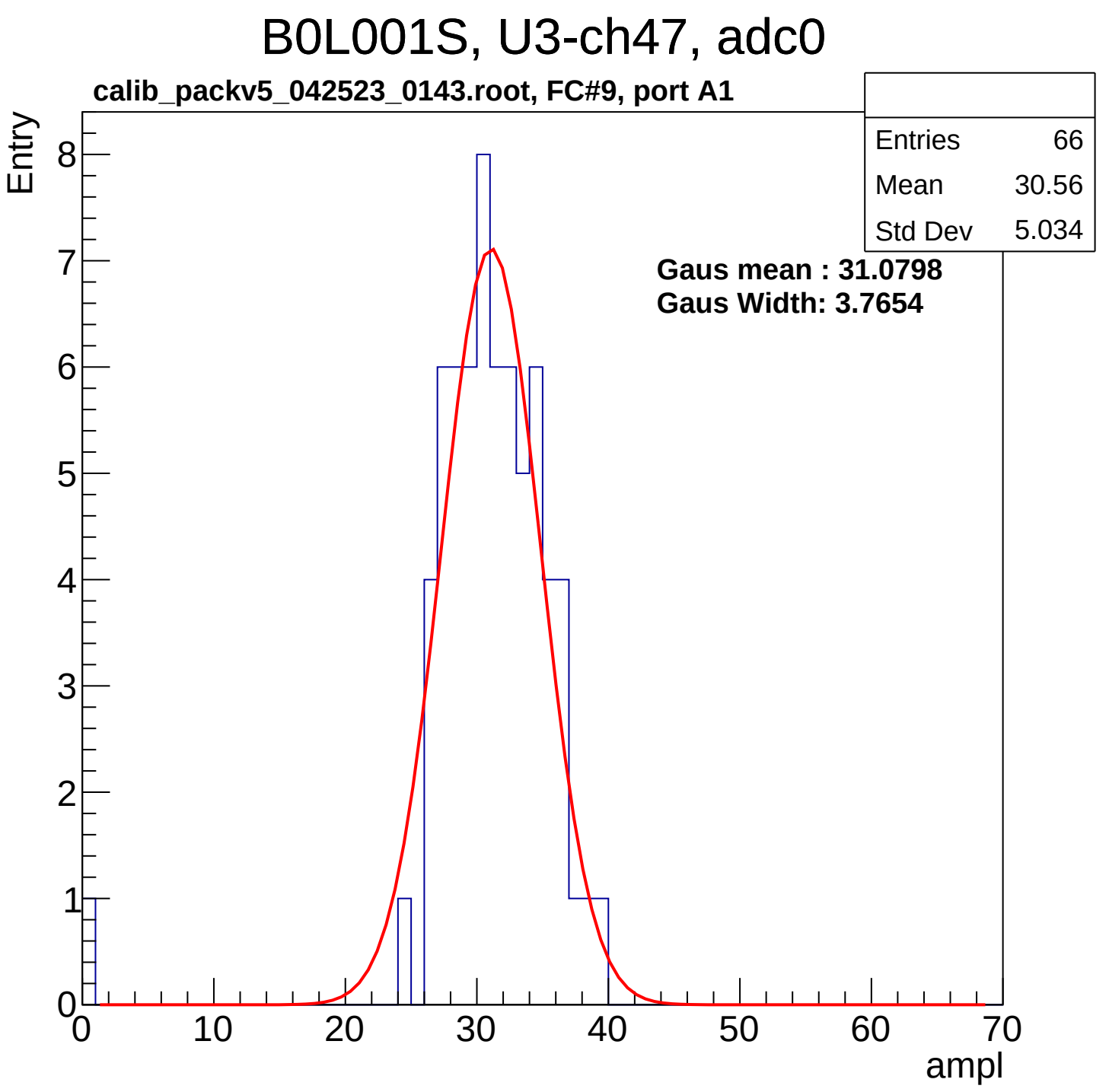

B0L001S, U3-ch46, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62.5
Std Dev 0.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch46, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch47, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 30.56
Std Dev 5.034
Gaus mean : 31.0798
Gaus Width: 3.7654
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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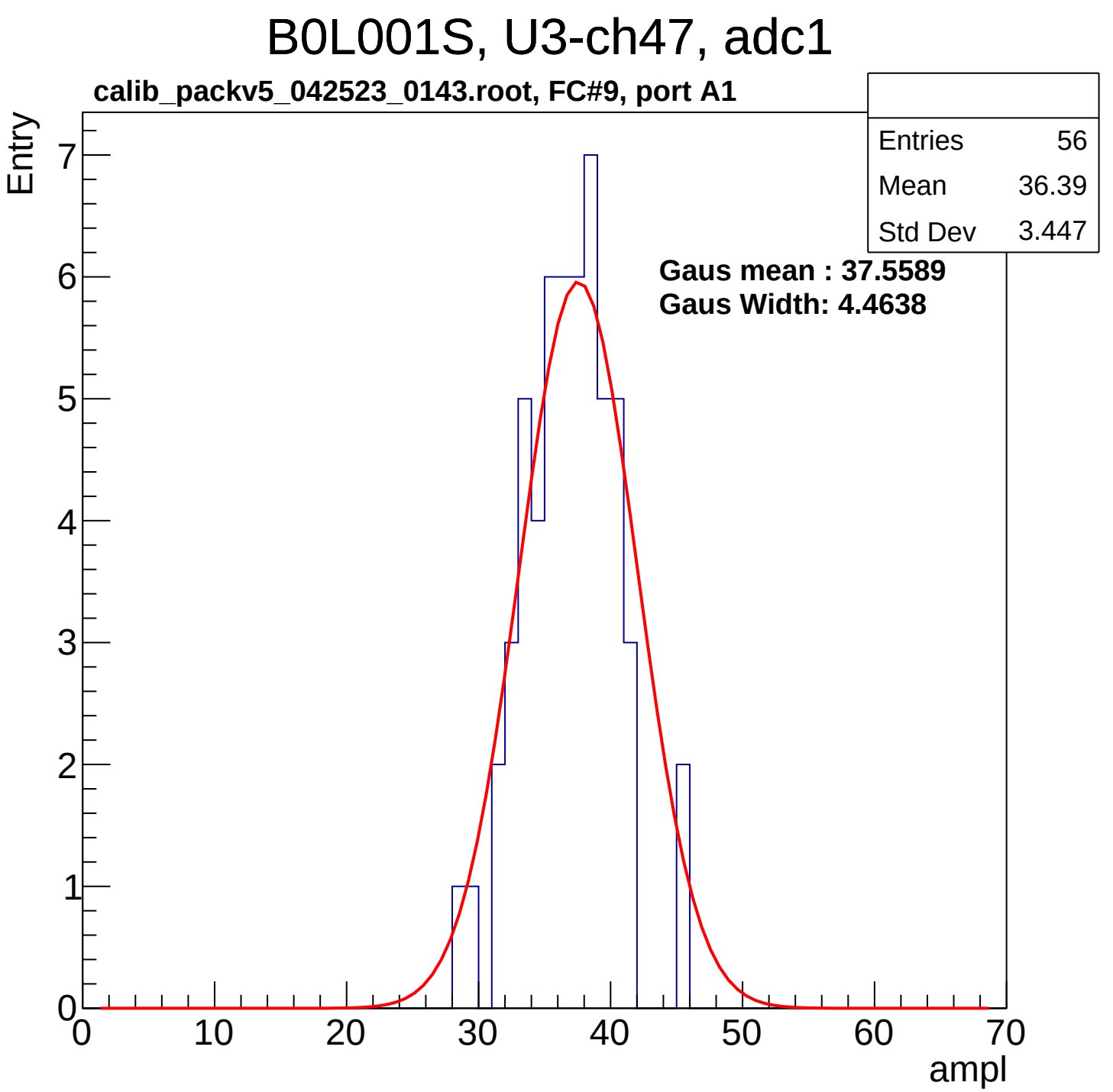
B0L001S, U3-ch47, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 36.39
Std Dev 3.447
Gaus mean : 37.5589
Gaus Width: 4.4638
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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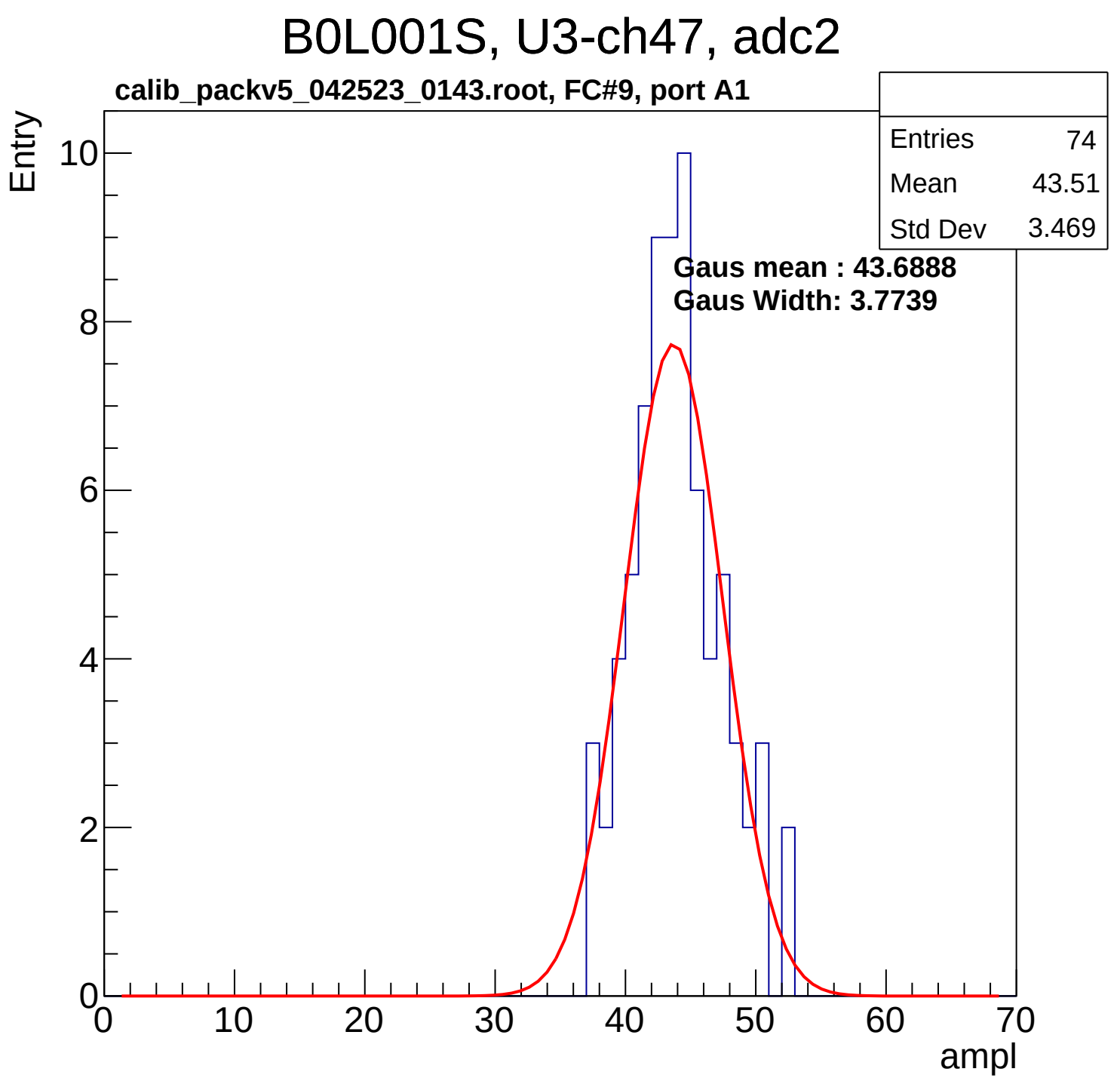
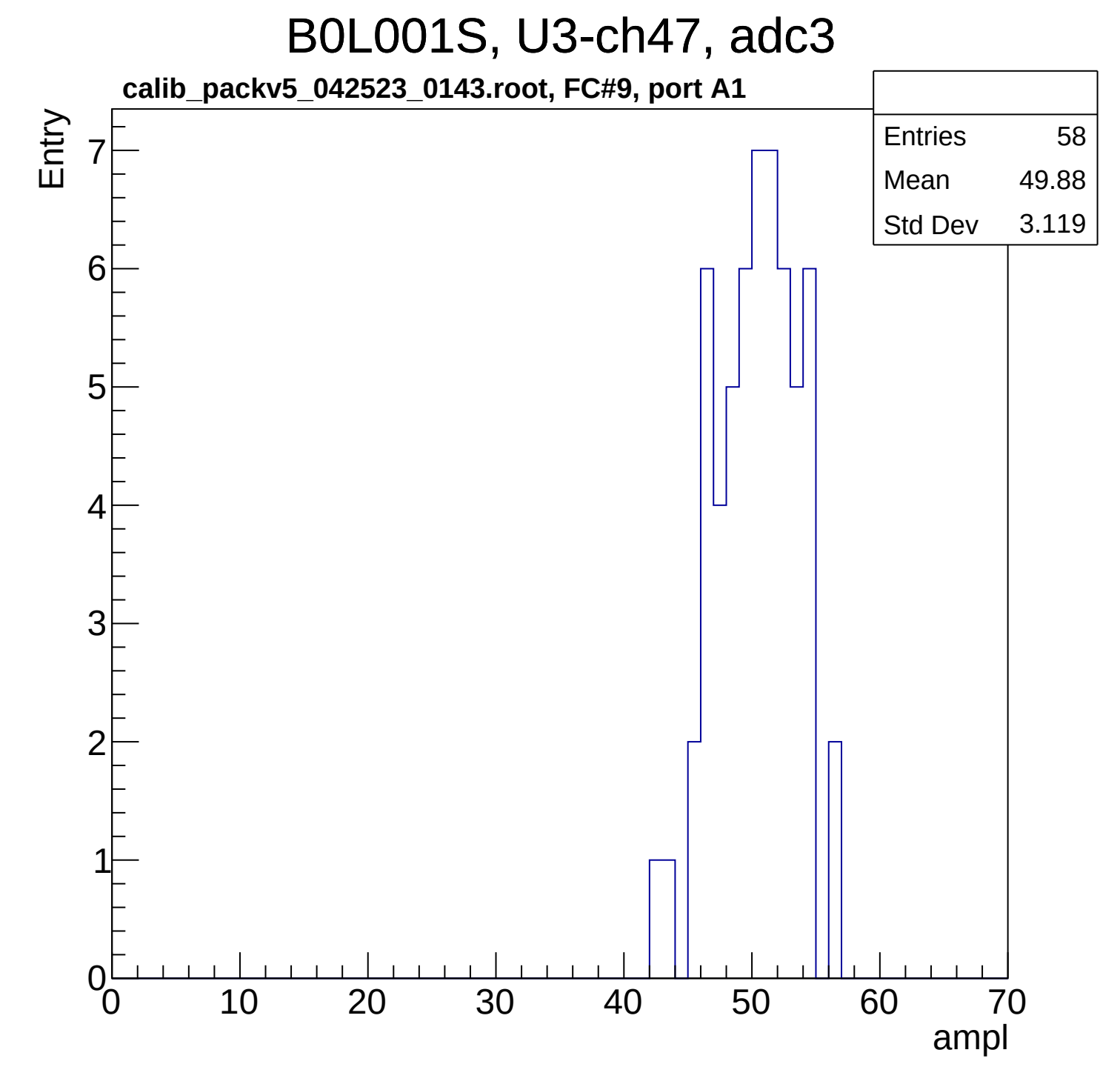
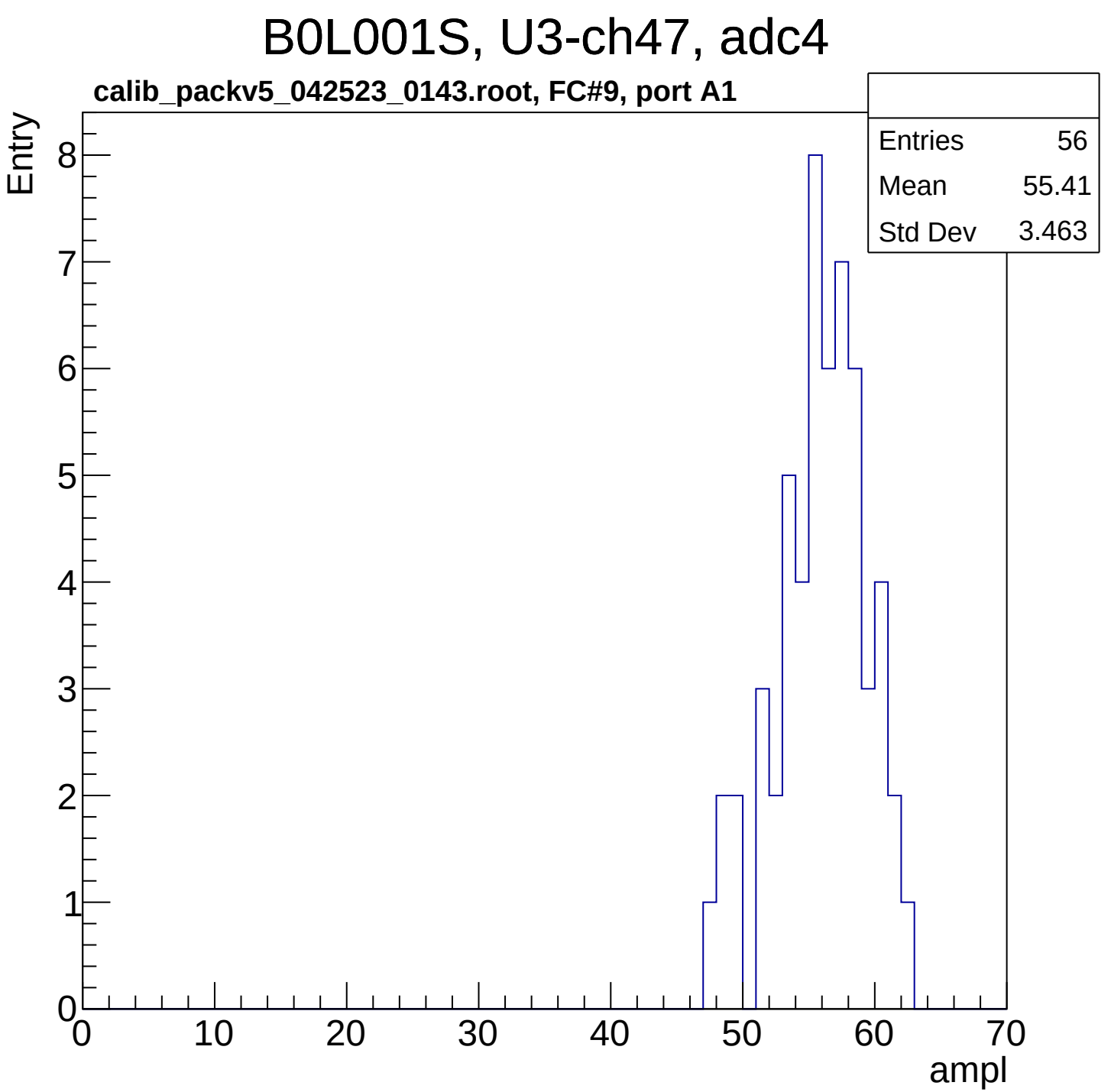
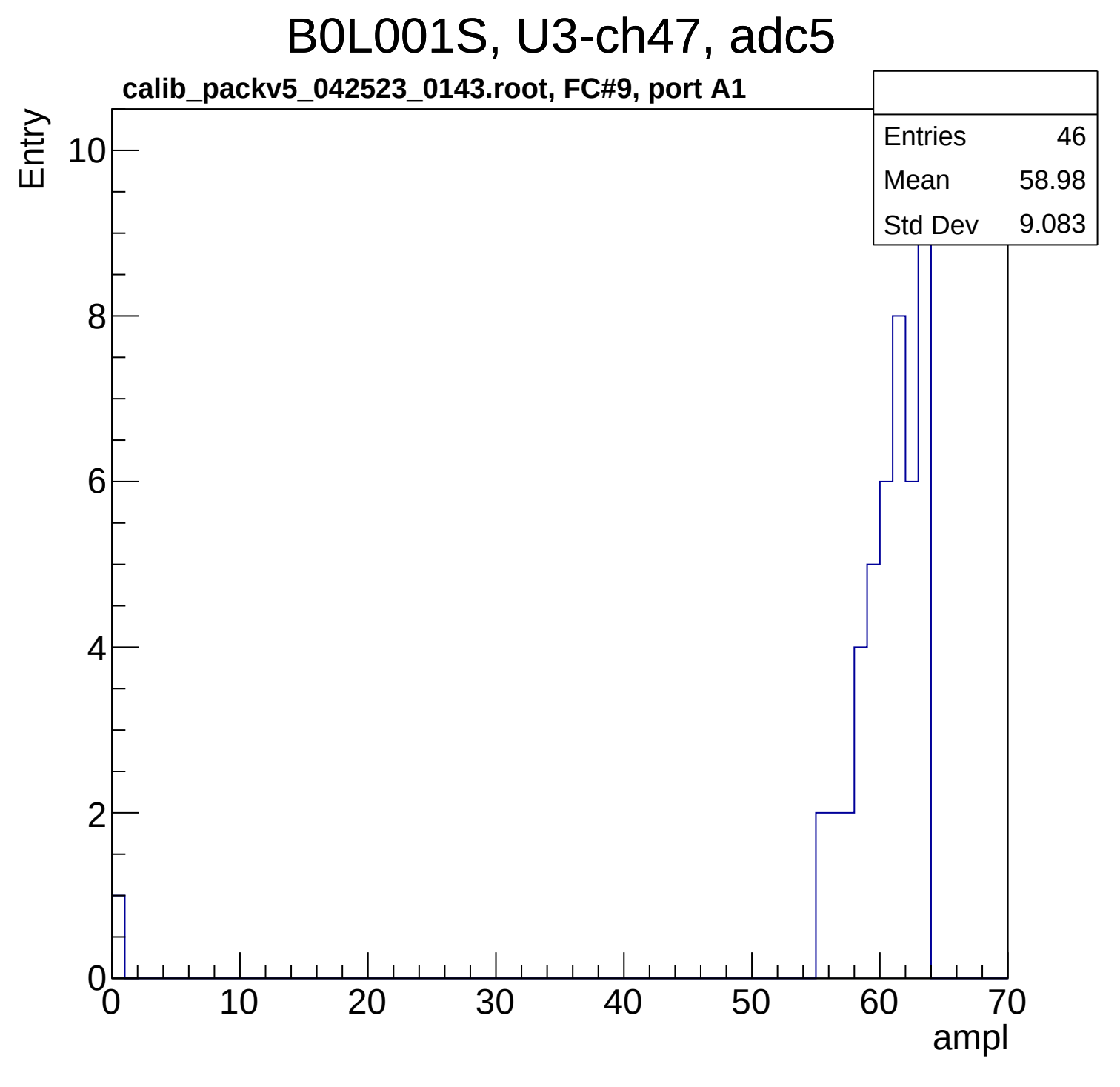
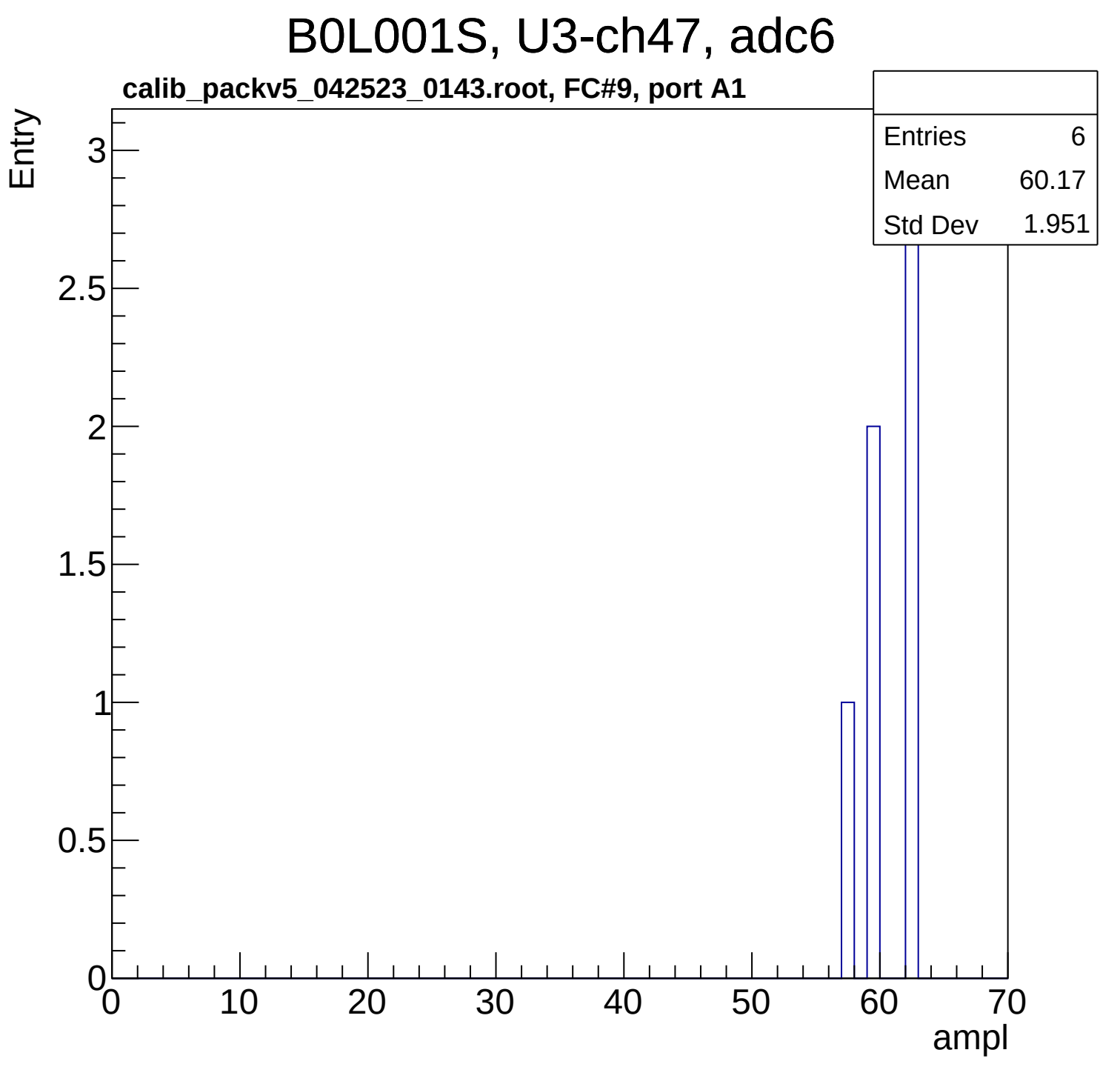
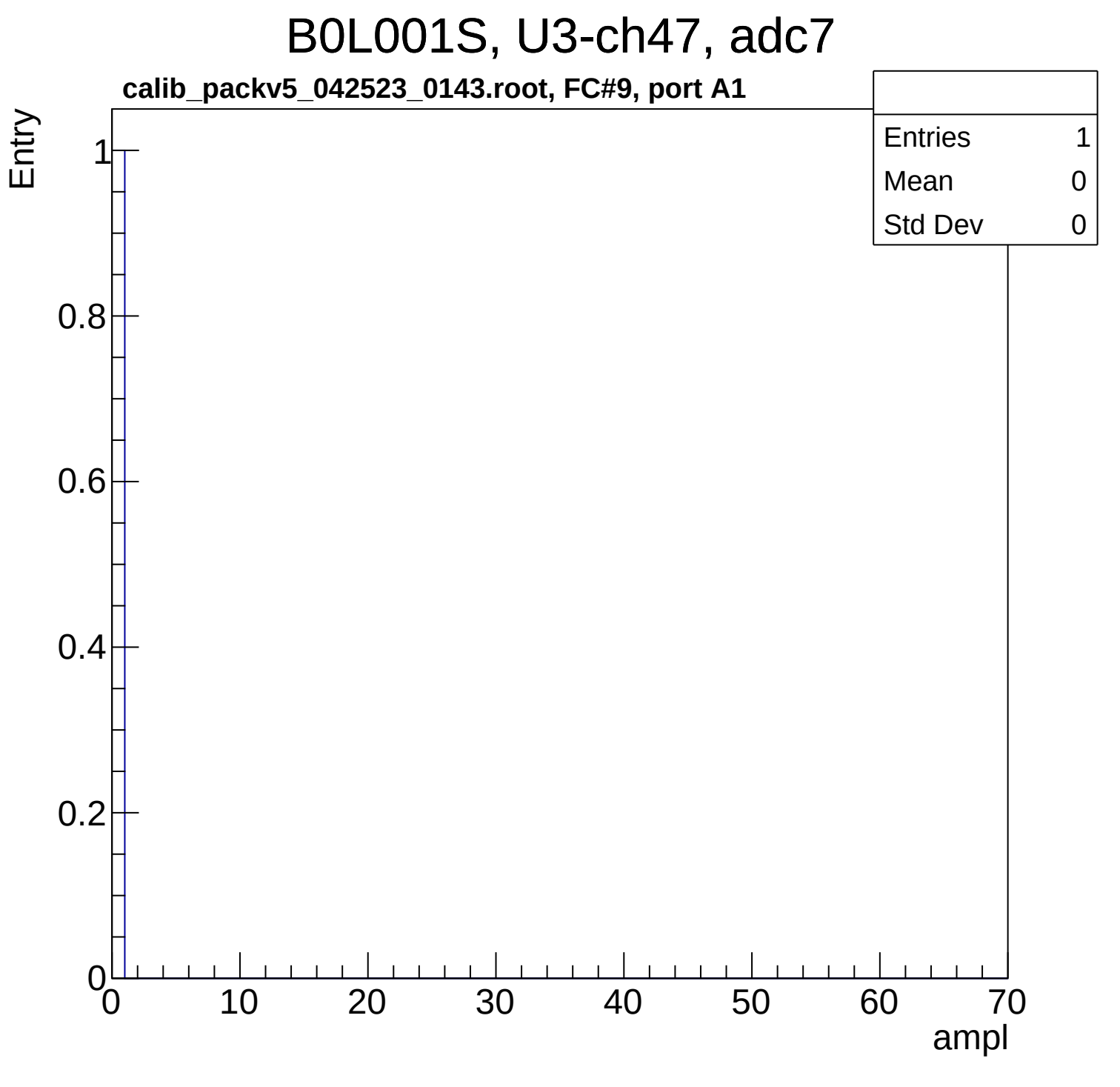

B0L001S, U3-ch47, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 43.51
Std Dev 3.469
Gaus mean : 43.6888
Gaus Width: 3.7739
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

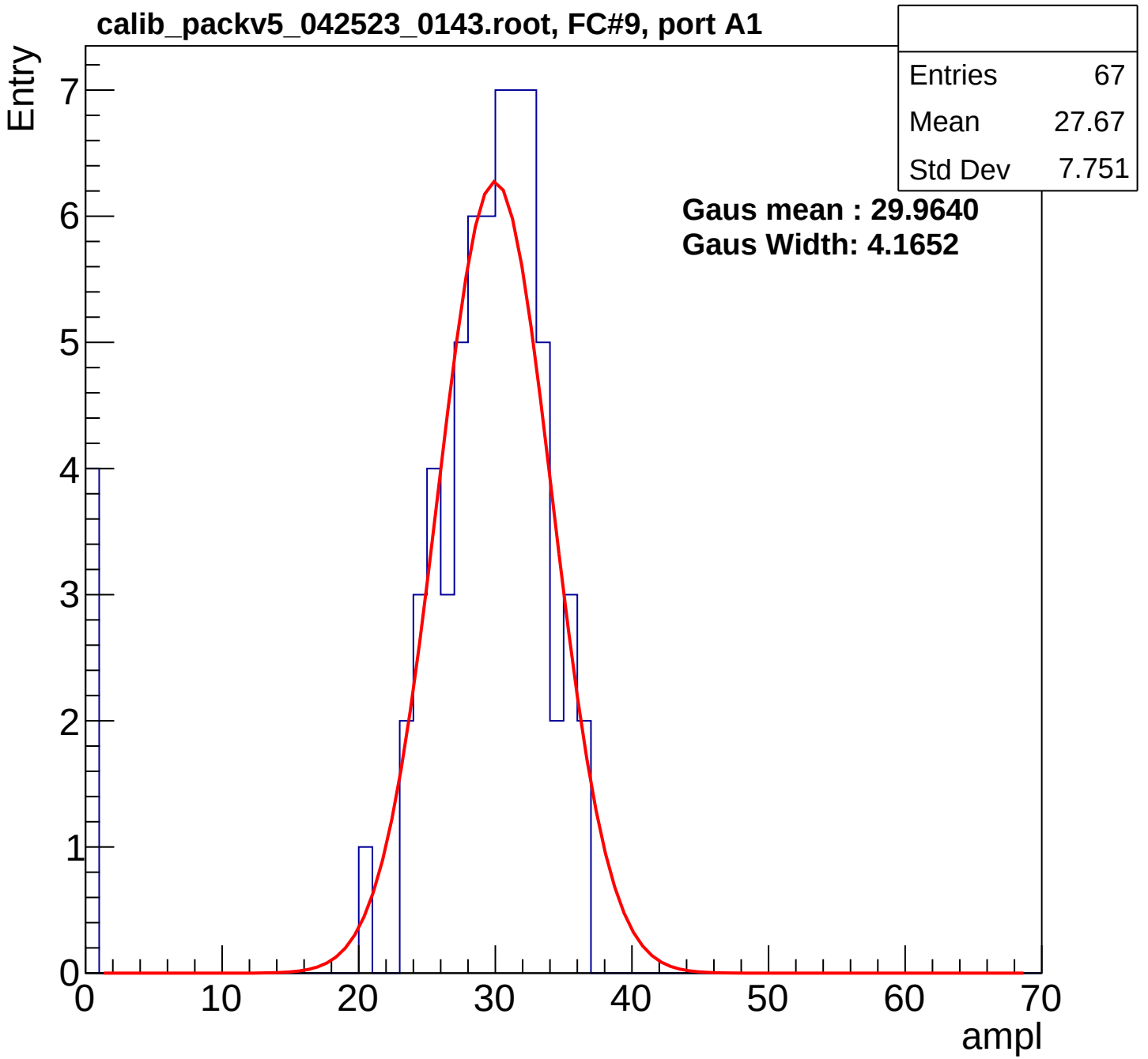

B0L001S, U3-ch47, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 49.88
Std Dev 3.119
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

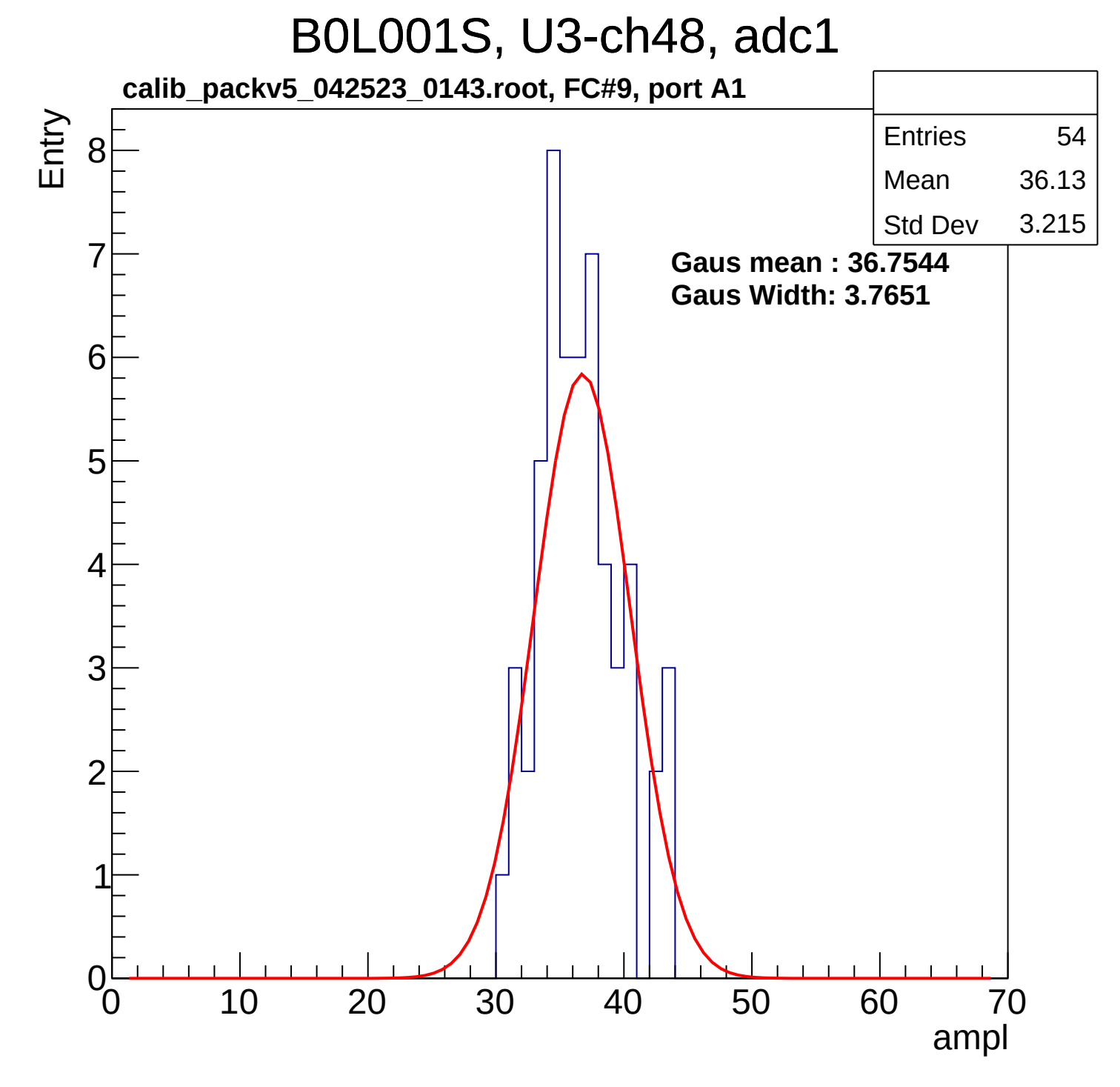

B0L001S, U3-ch47, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 55.41
Std Dev 3.463
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl

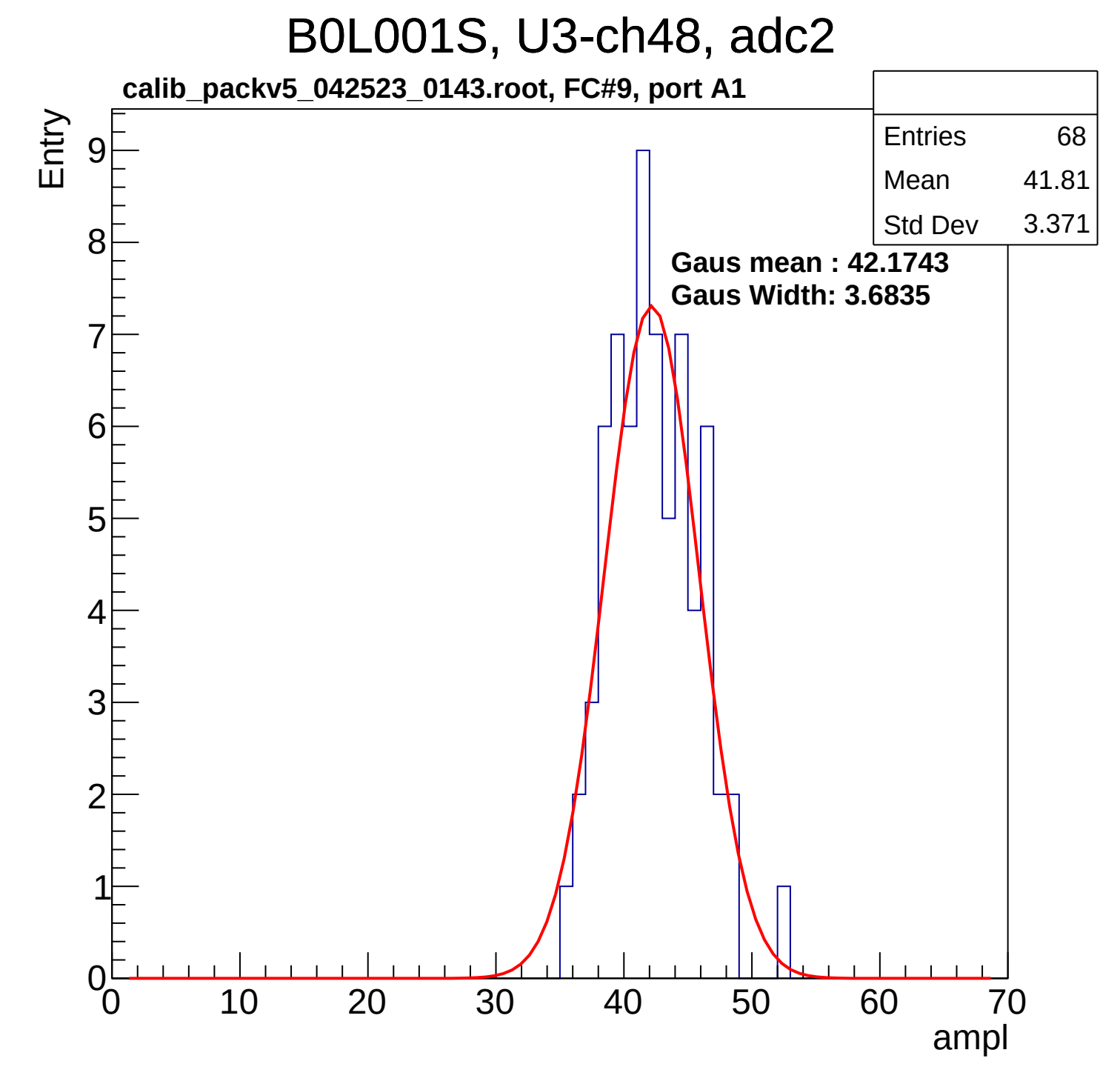

B0L001S, U3-ch47, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 58.98
Std Dev 9.083
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

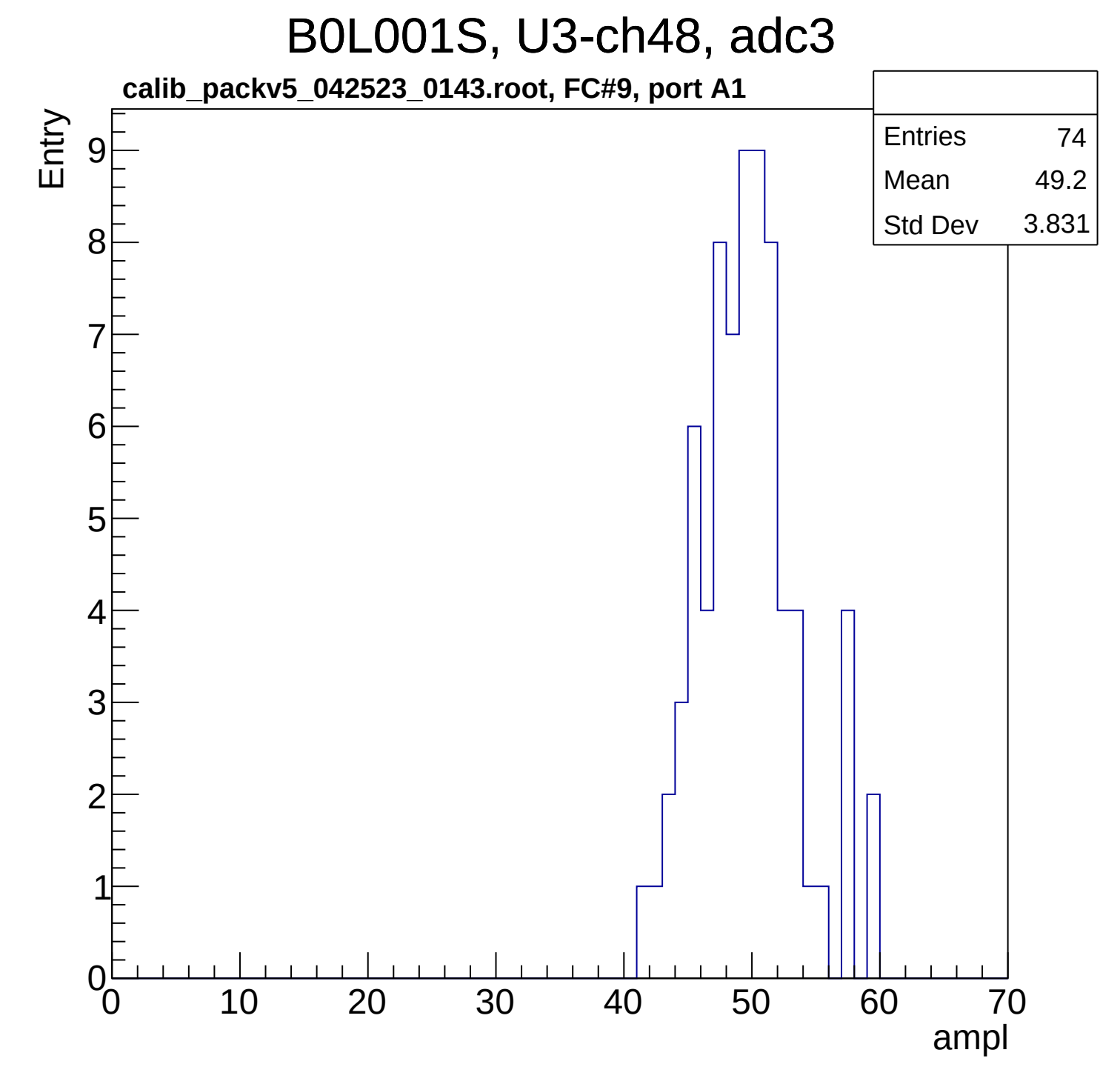

B0L001S, U3-ch47, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 60.17
Std Dev 1.951
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch47, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch48, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 27.67
Std Dev 7.751
Gaus mean : 29.9640
Gaus Width: 4.1652
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch48, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 36.13
Std Dev 3.215
Gaus mean : 36.7544
Gaus Width: 3.7651
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch48, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 41.81
Std Dev 3.371
Gaus mean : 42.1743
Gaus Width: 3.6835
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch48, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 49.2
Std Dev 3.831
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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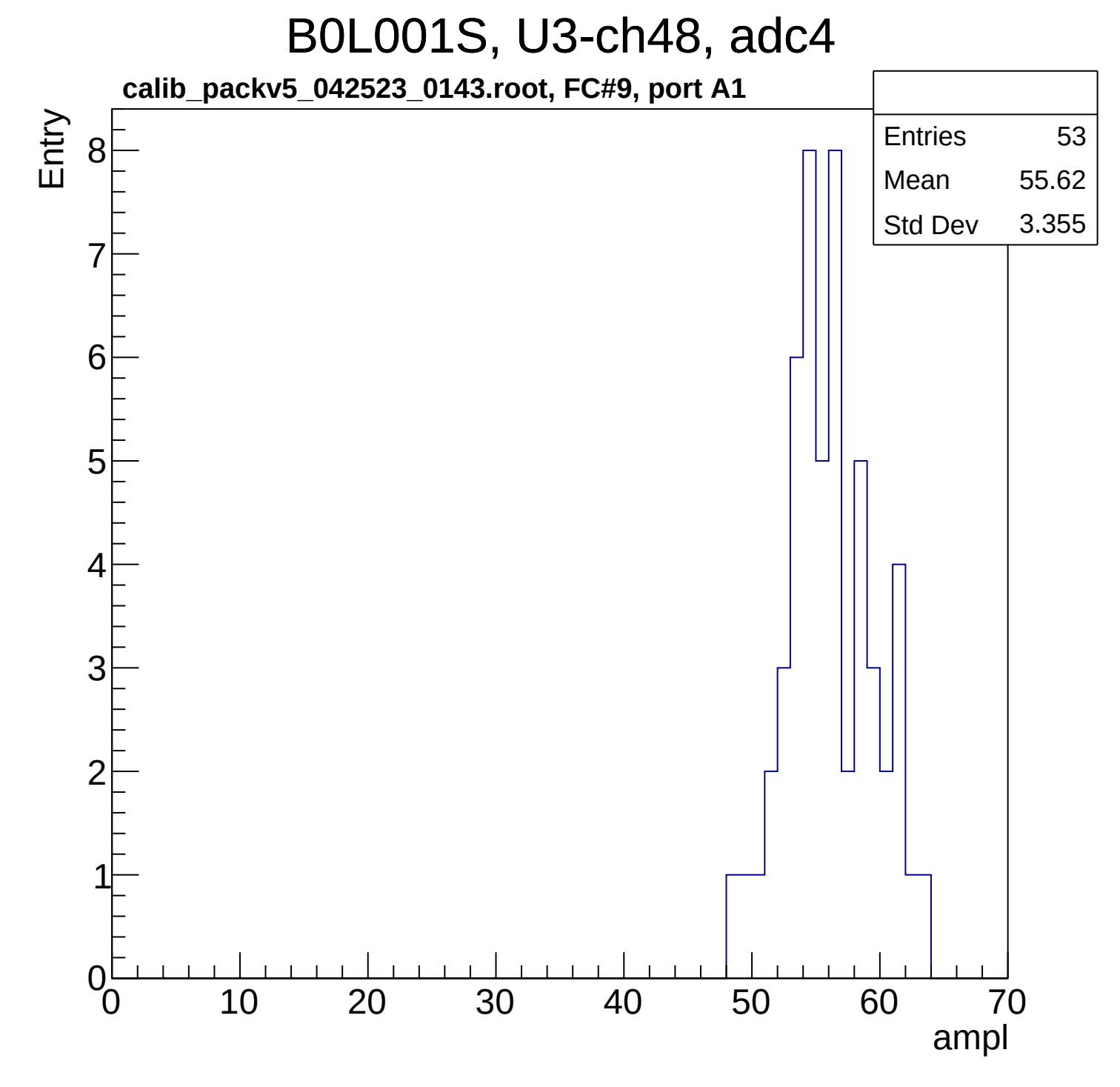
B0L001S, U3-ch48, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 55.62
Std Dev 3.355
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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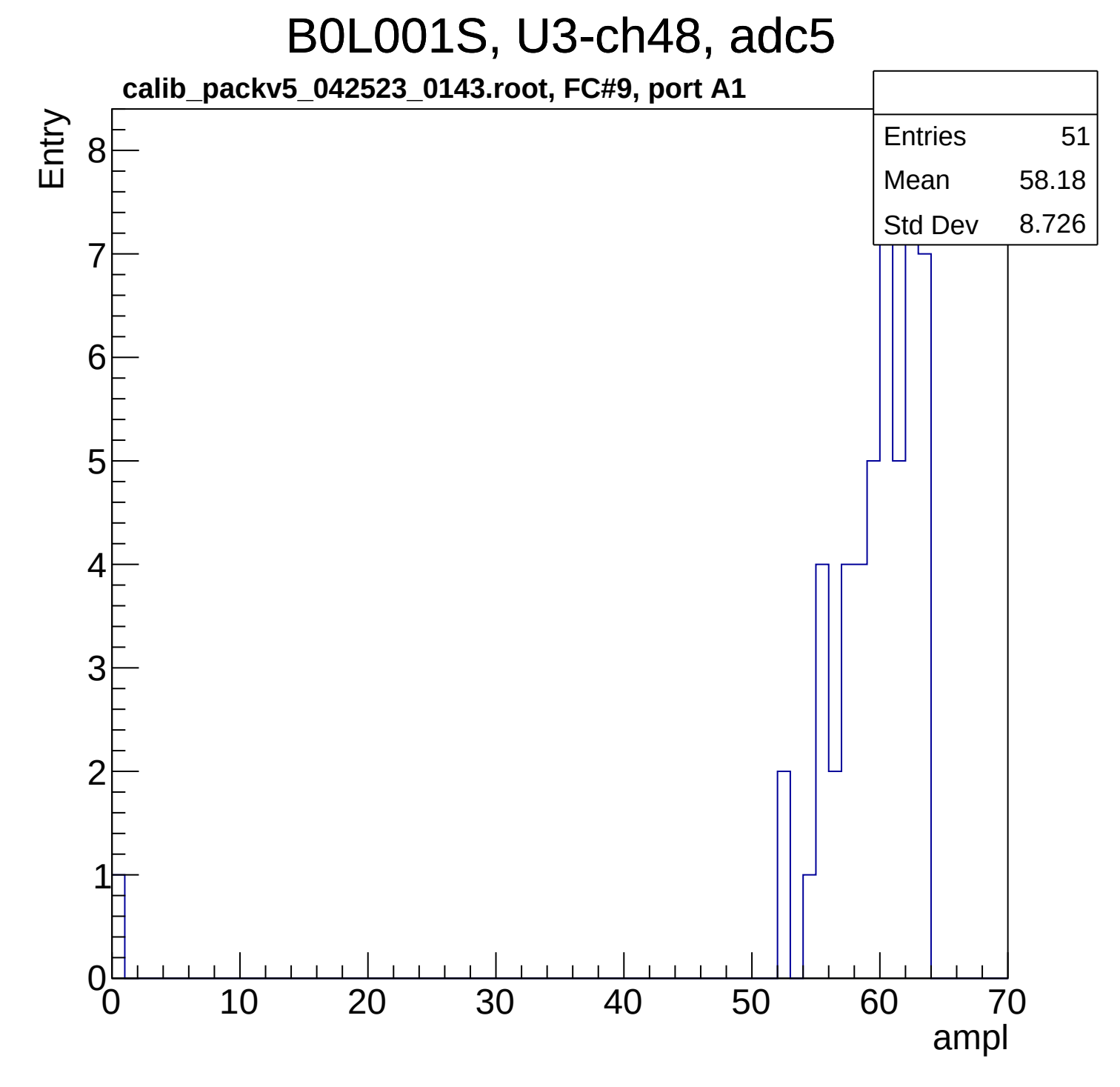
B0L001S, U3-ch48, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 58.18
Std Dev 8.726
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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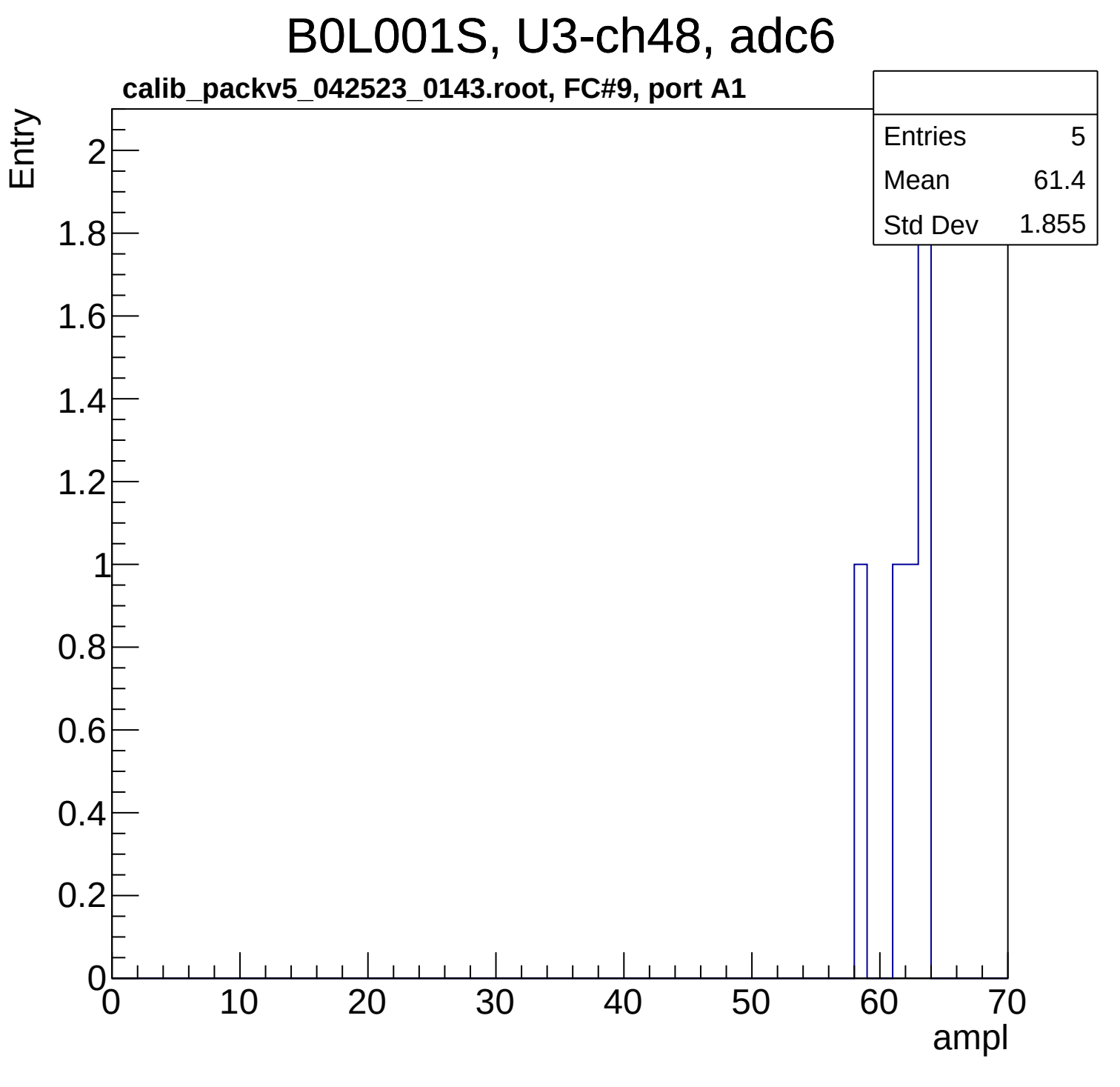
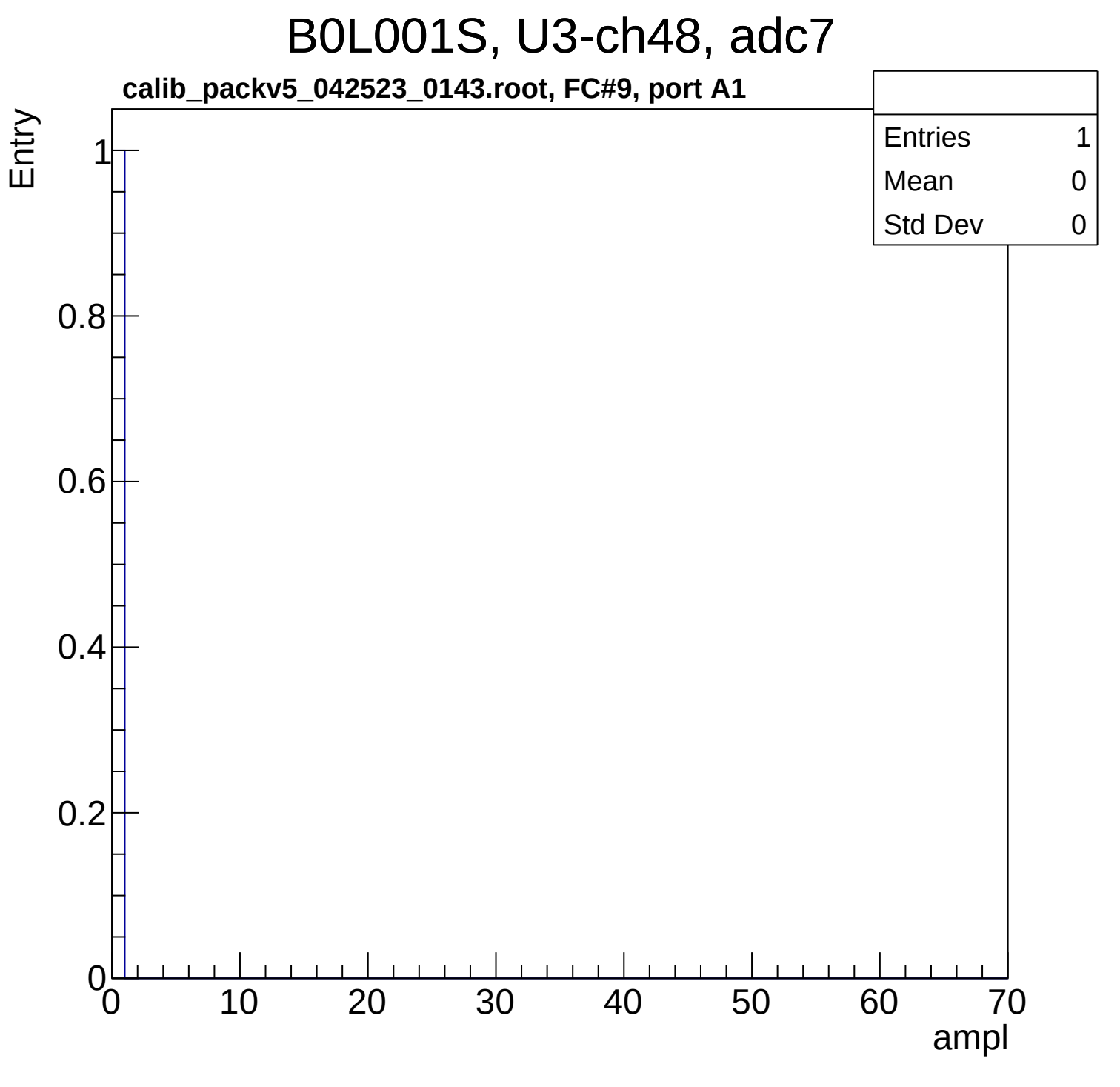
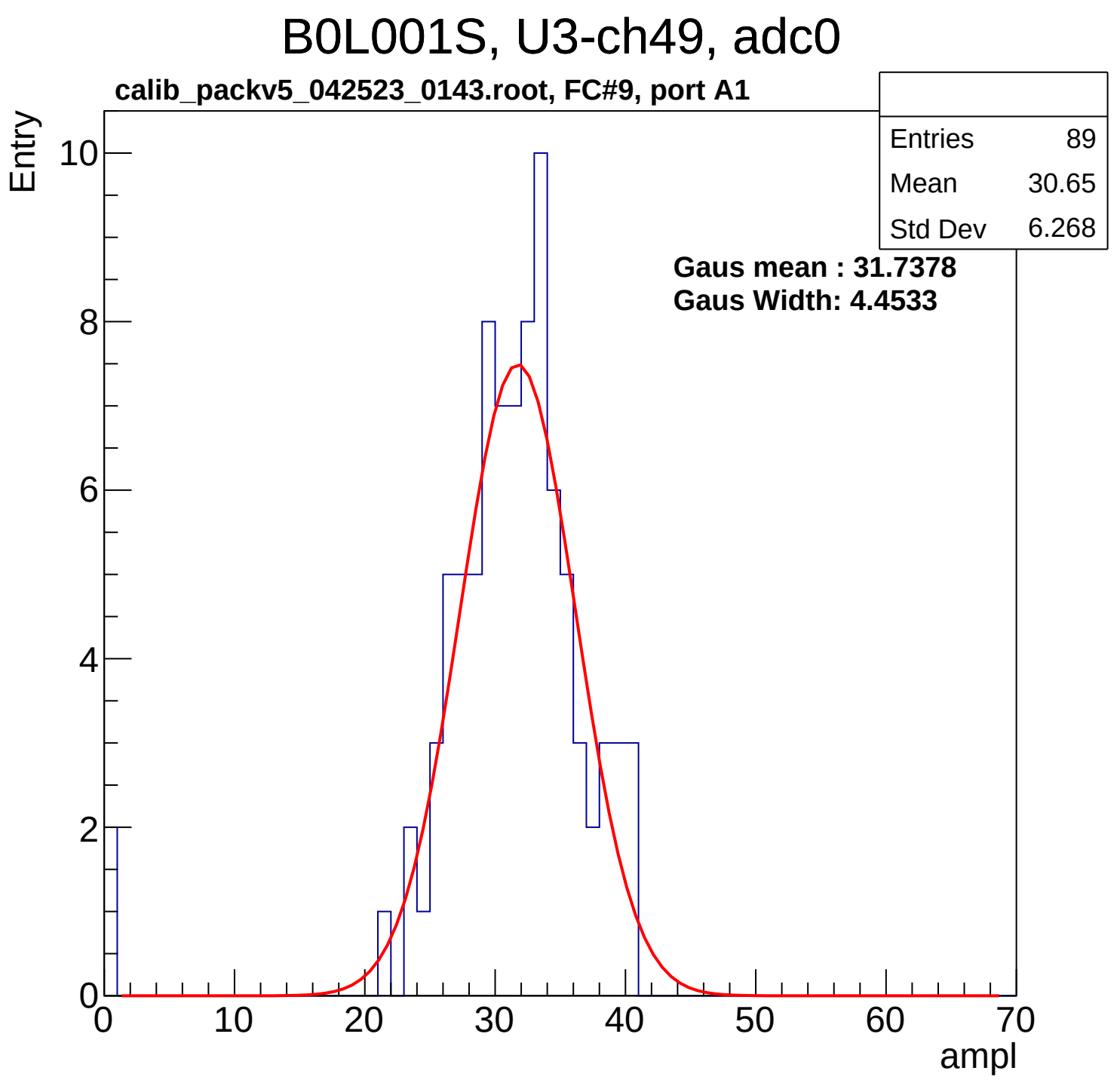

B0L001S, U3-ch48, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 61.4
Std Dev 1.855
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch48, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch49, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 89
Mean 30.65
Std Dev 6.268
Gaus mean : 31.7378
Gaus Width: 4.4533
Entry
ampl
0
2
4
6
8
10
0
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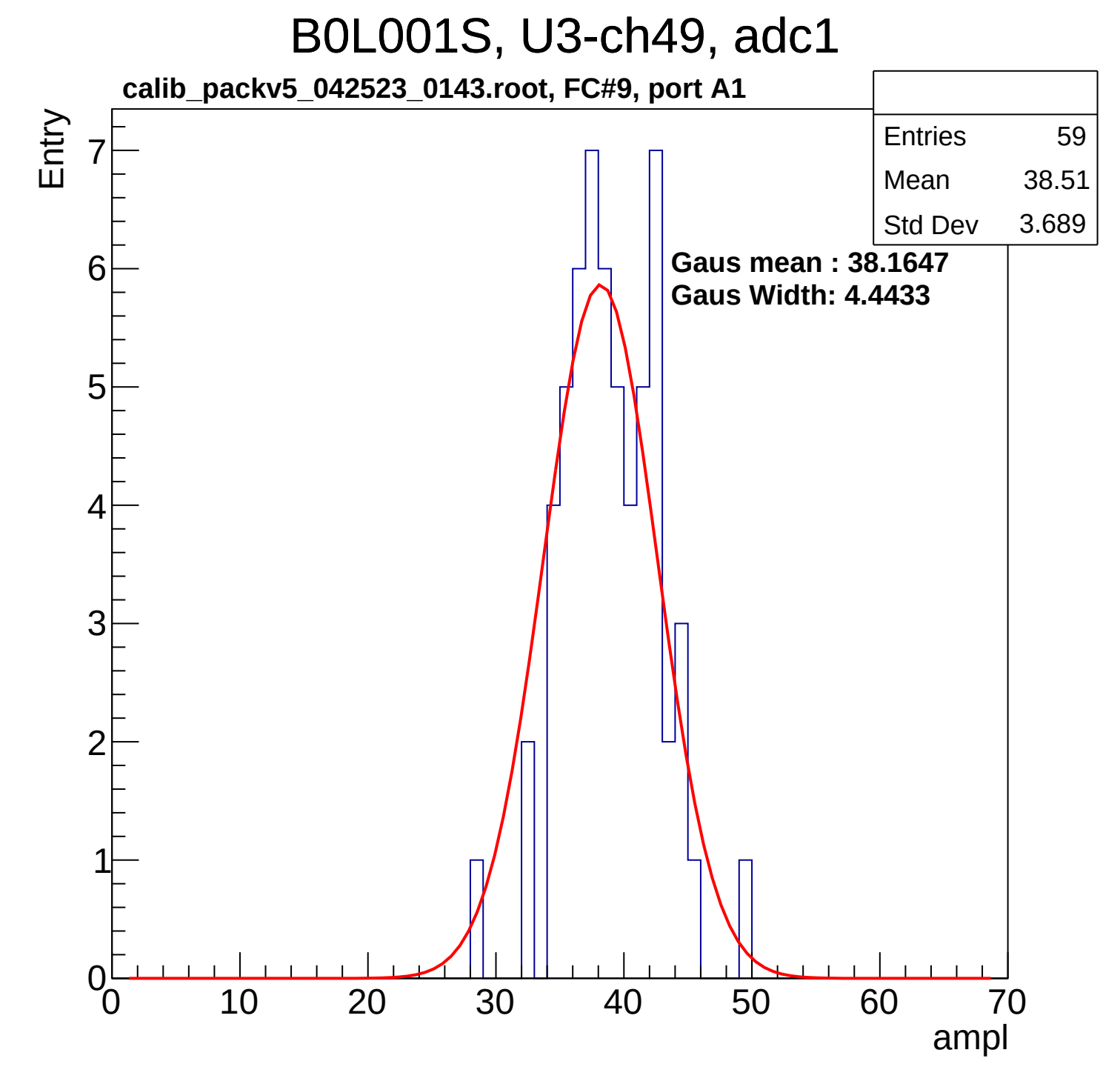
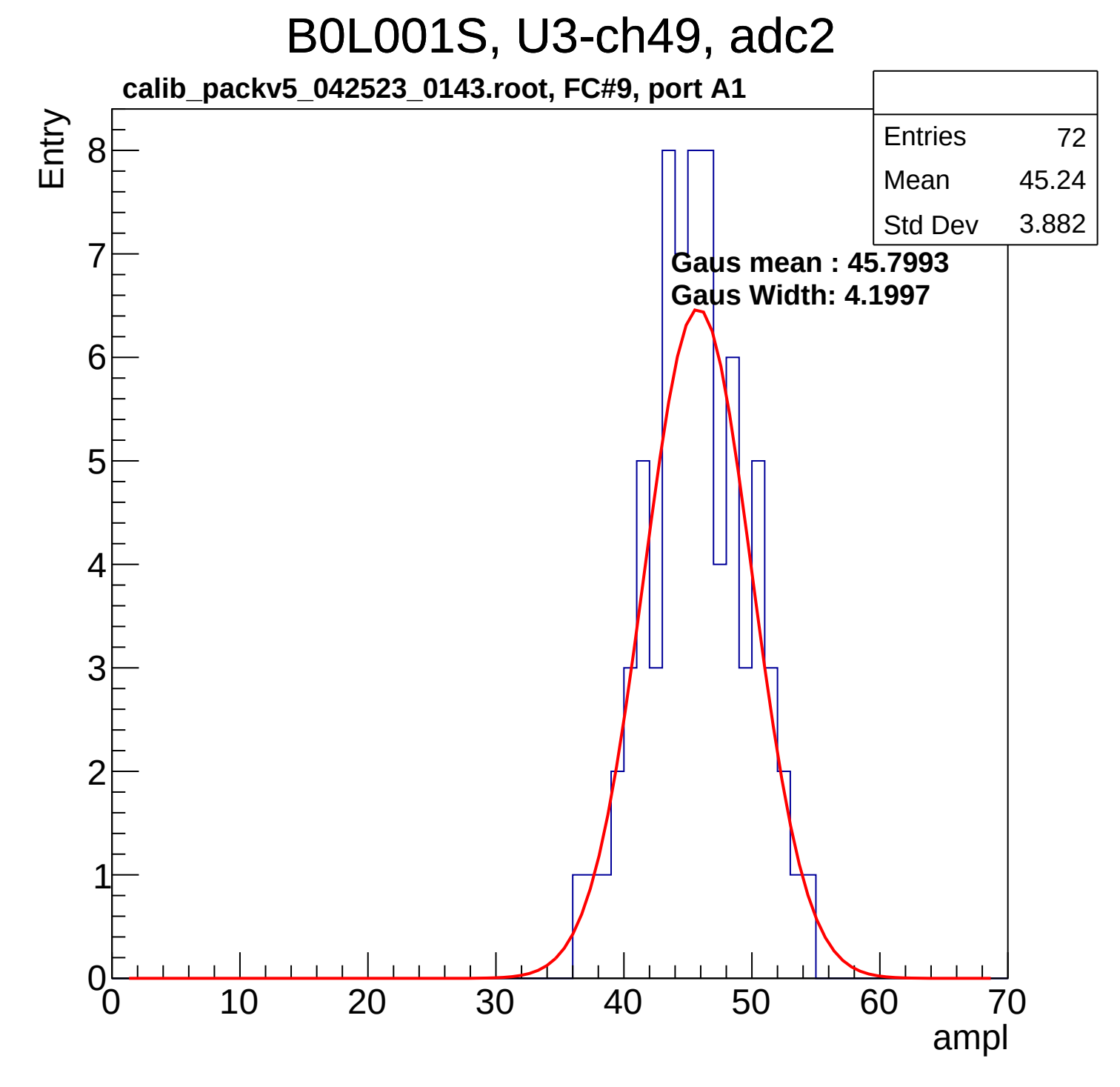
20
30
40
50
60
70


B0L001S, U3-ch49, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 38.51
Std Dev 3.689
Gaus mean : 38.1647
Gaus Width: 4.4433
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch49, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 45.24
Std Dev 3.882
Gaus mean : 45.7993
Gaus Width: 4.1997
Entry
ampl
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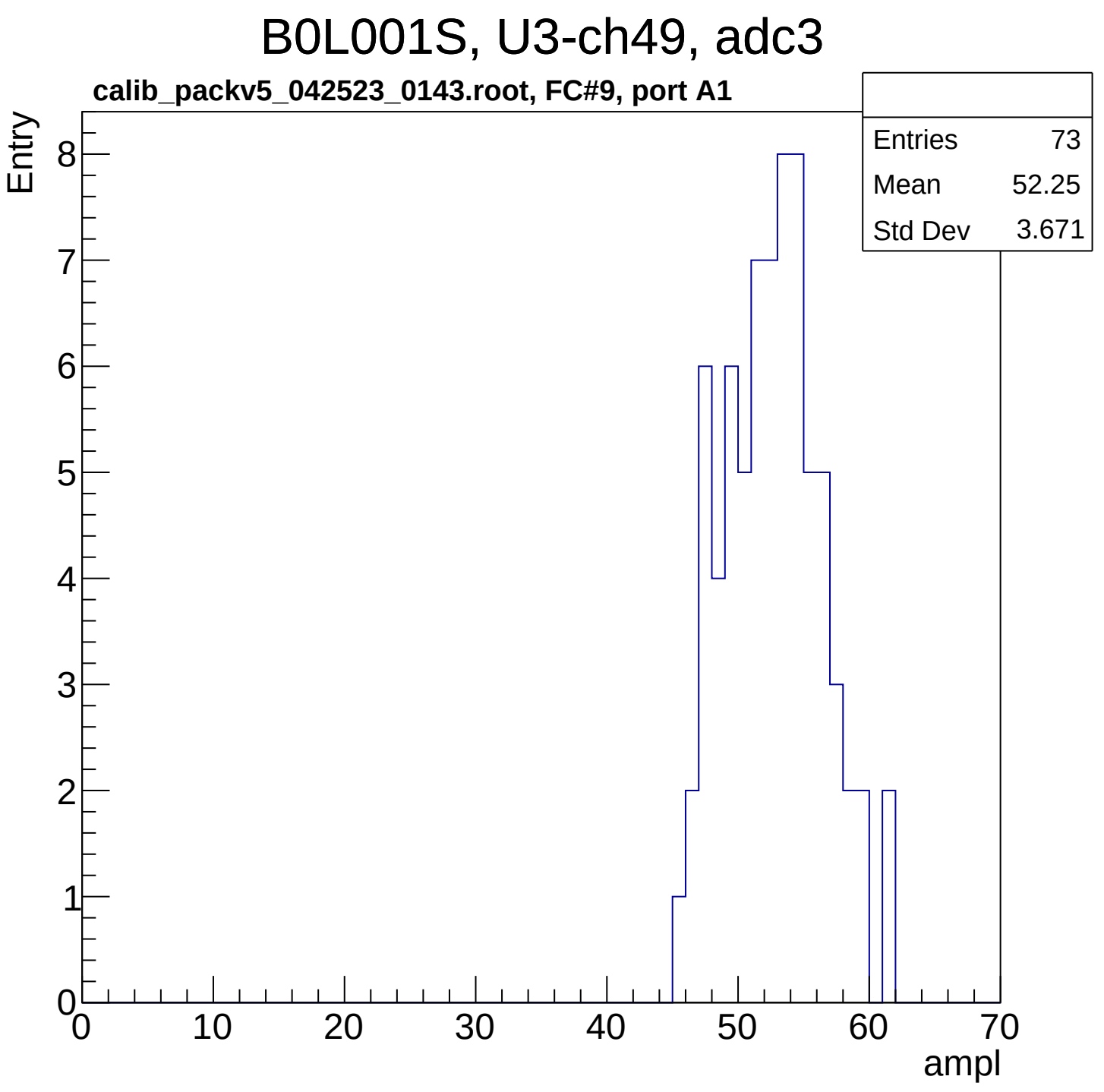
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch49, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 52.25
Std Dev 3.671
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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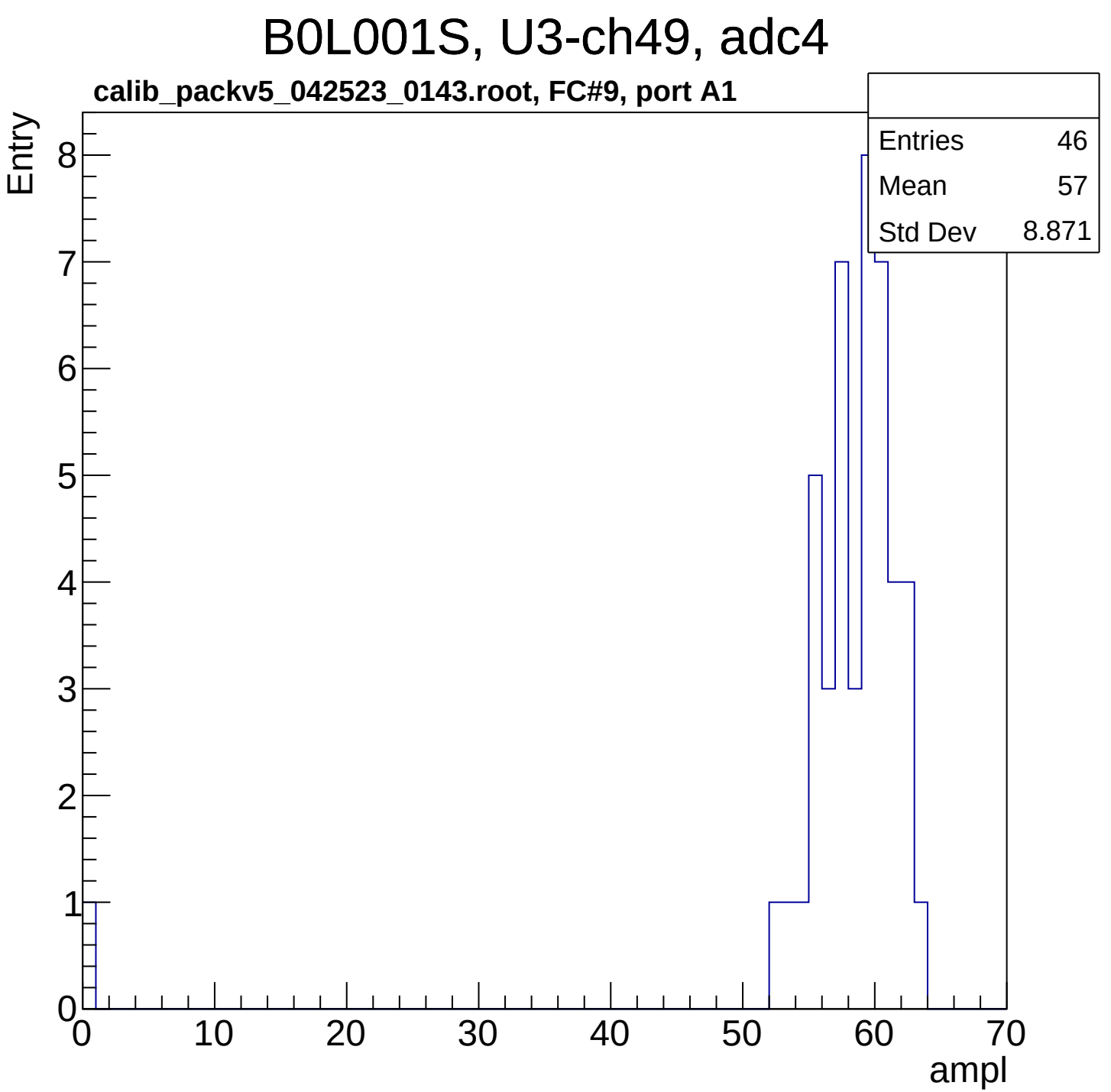
B0L001S, U3-ch49, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 57
Std Dev 8.871
Entry
ampl
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1
2
3
4
5
6
7
8
0
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60
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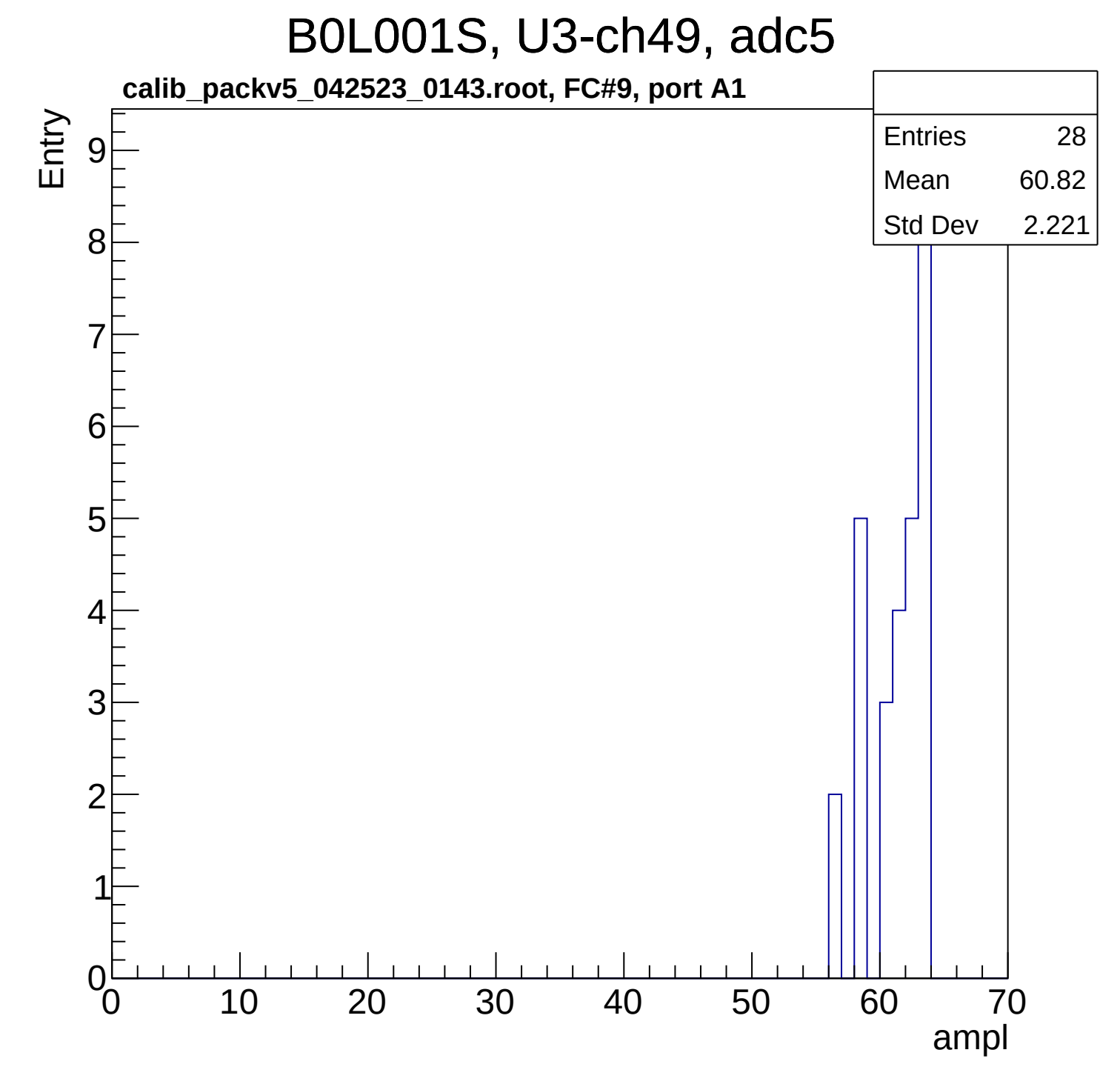
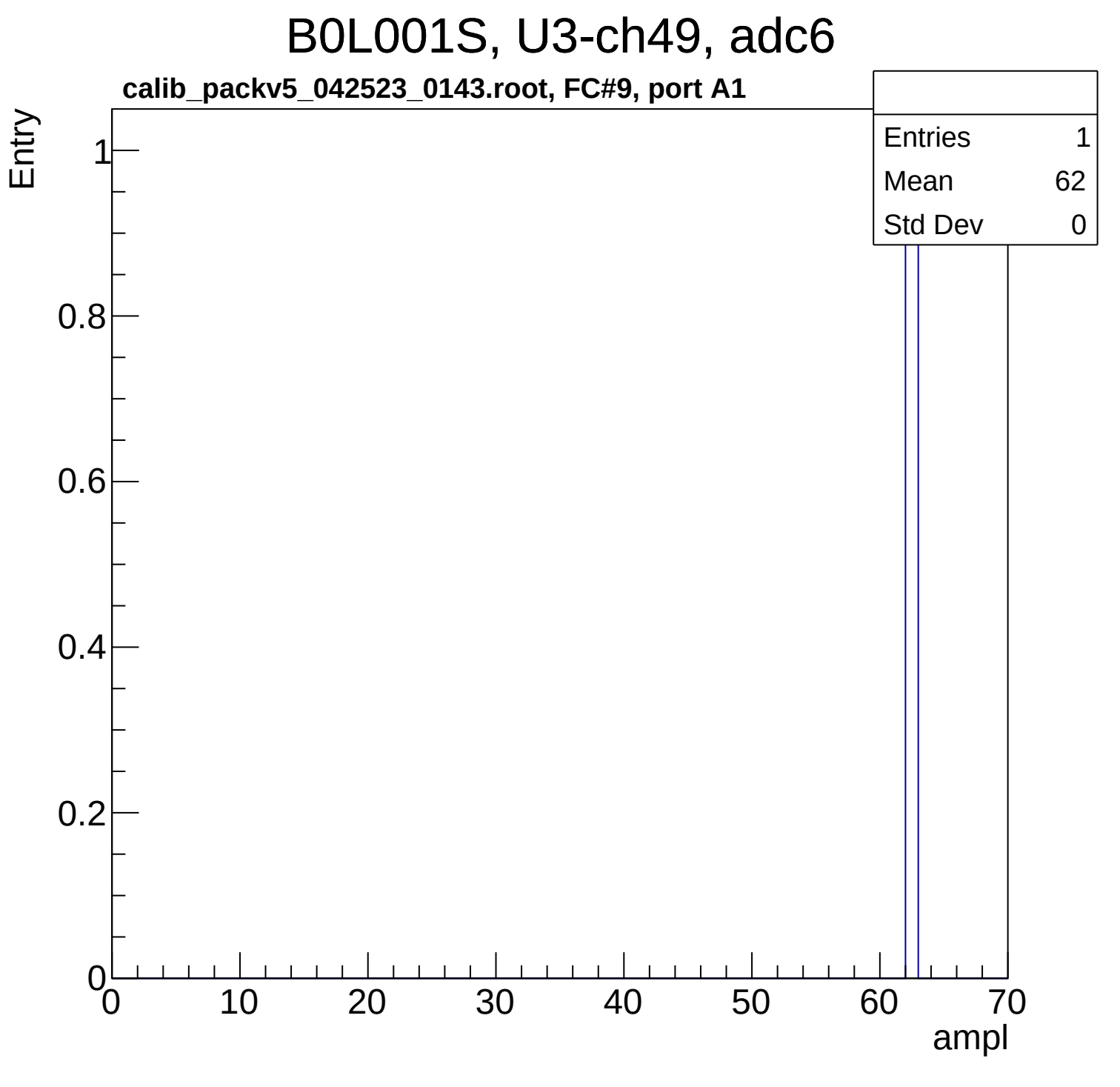
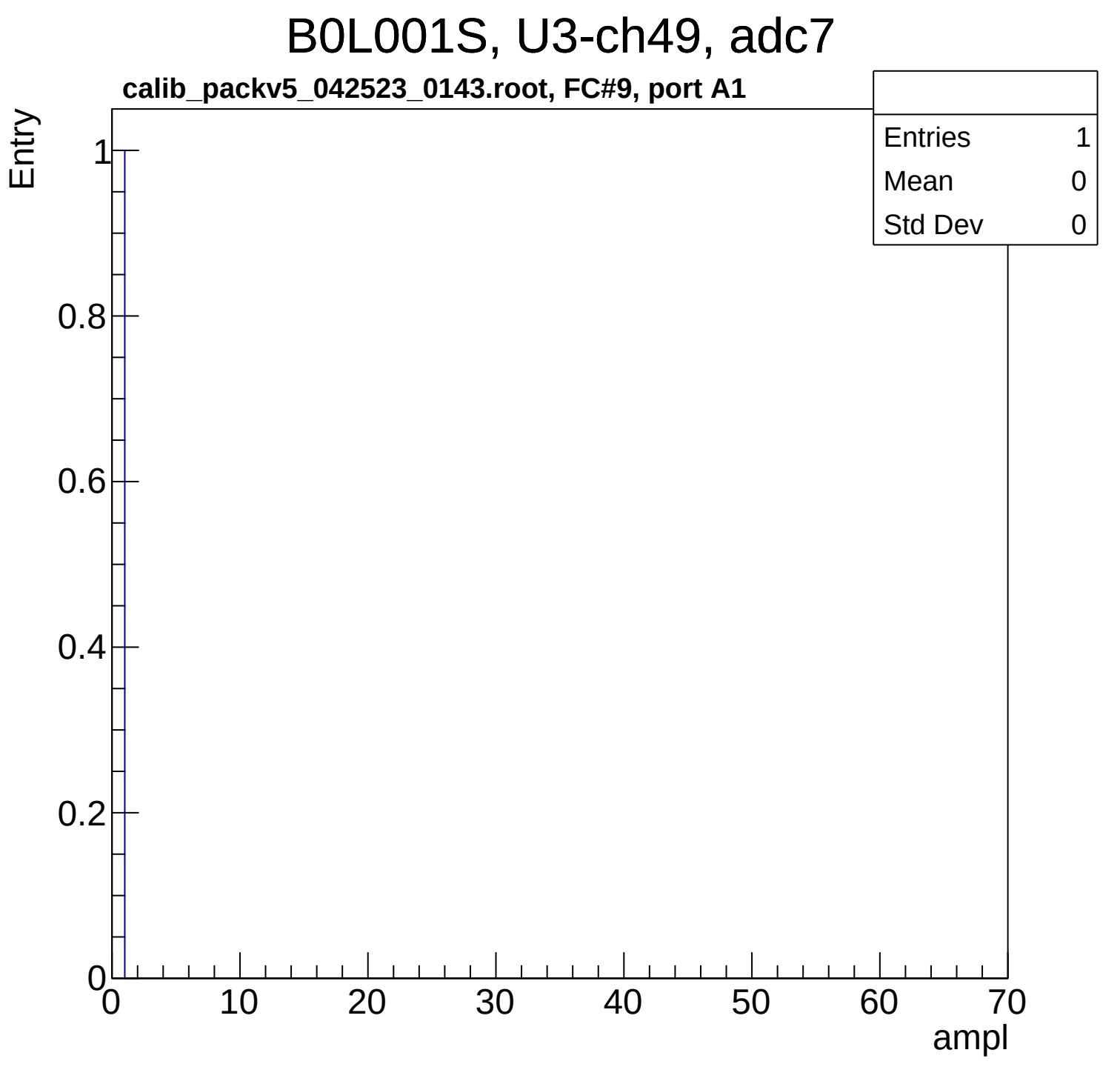

B0L001S, U3-ch49, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 28
Mean 60.82
Std Dev 2.221
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch49, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch49, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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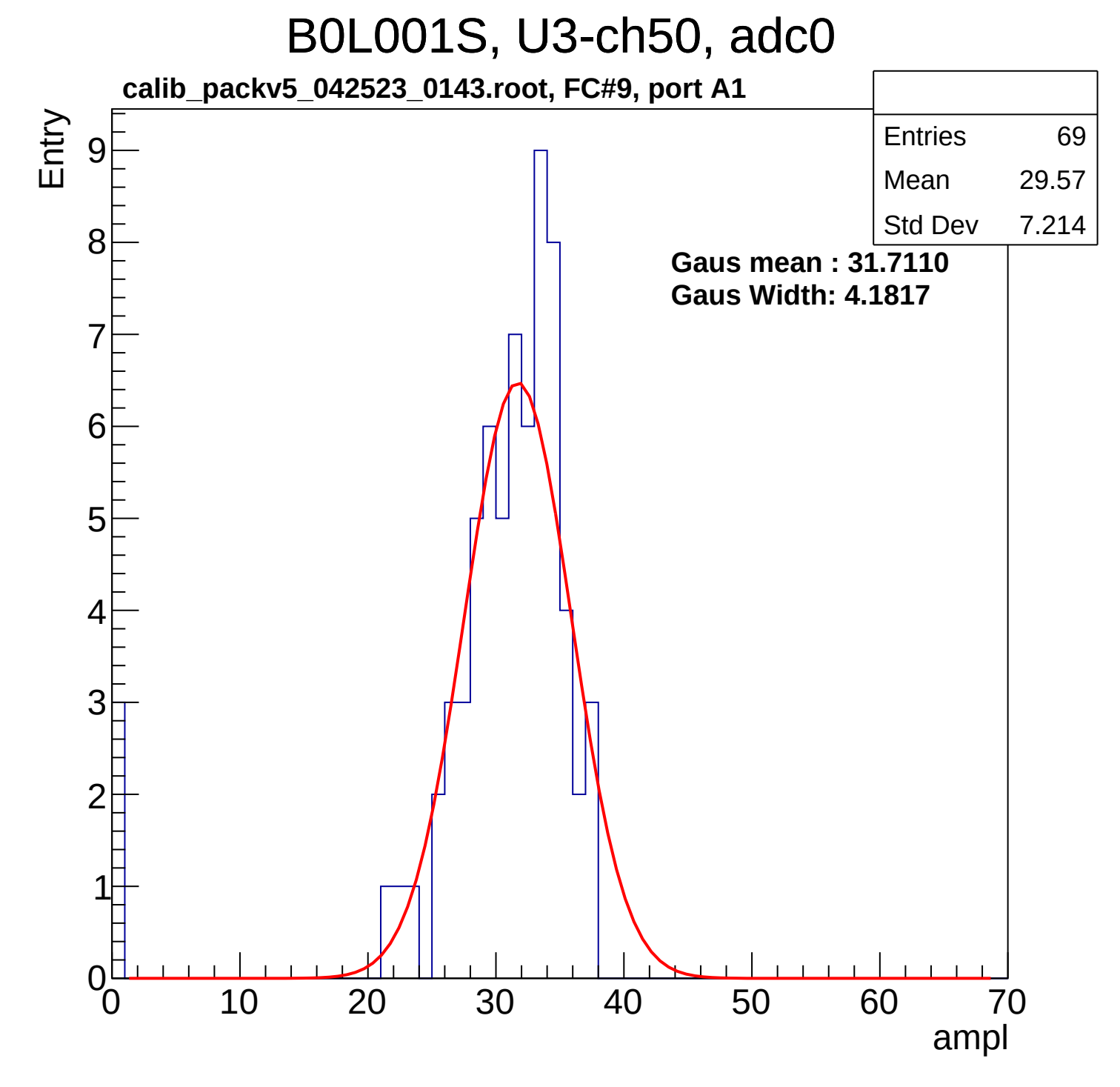
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch50, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 29.57
Std Dev 7.214
Gaus mean : 31.7110
Gaus Width: 4.1817
Entry
ampl
0
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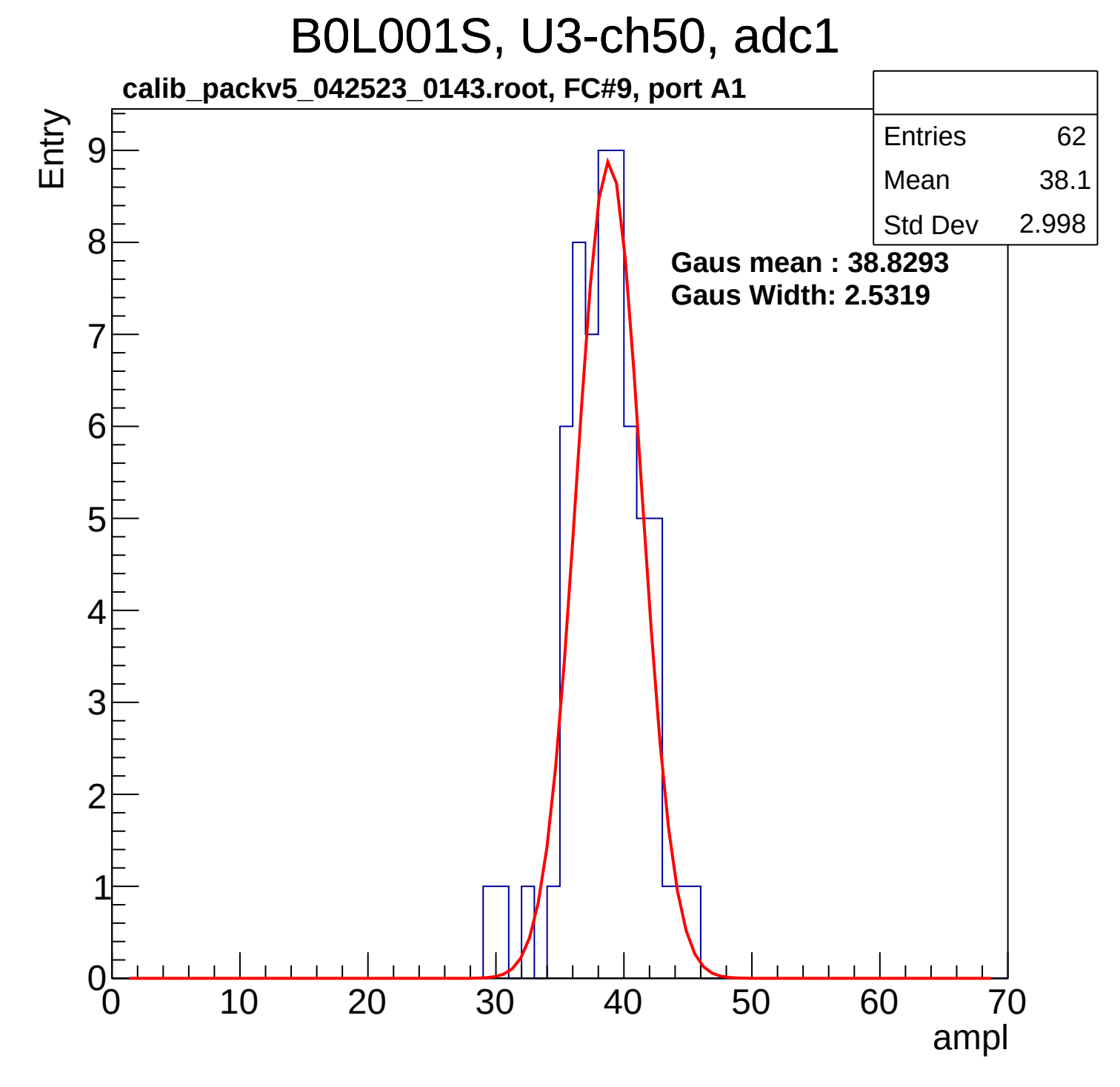
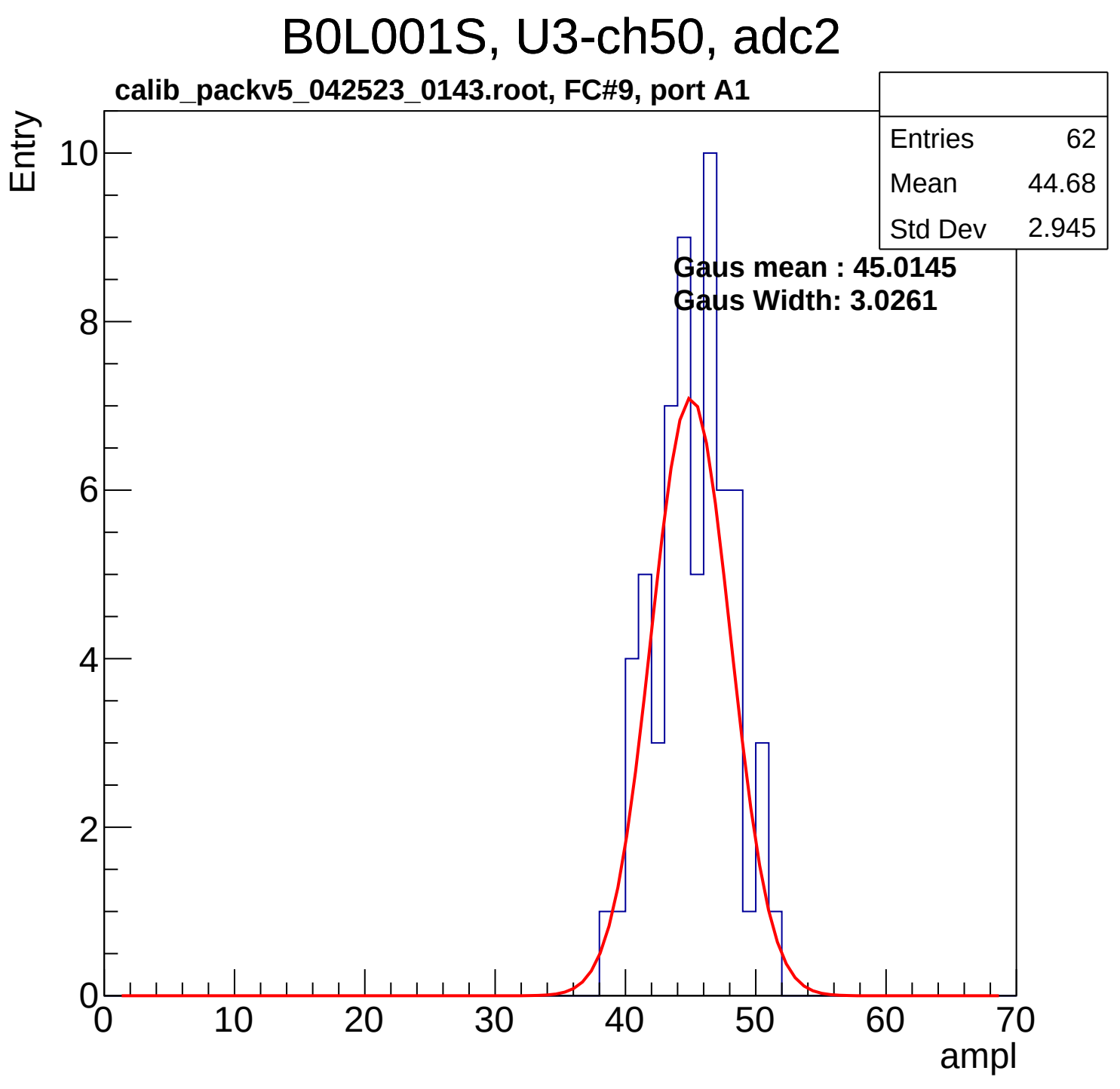
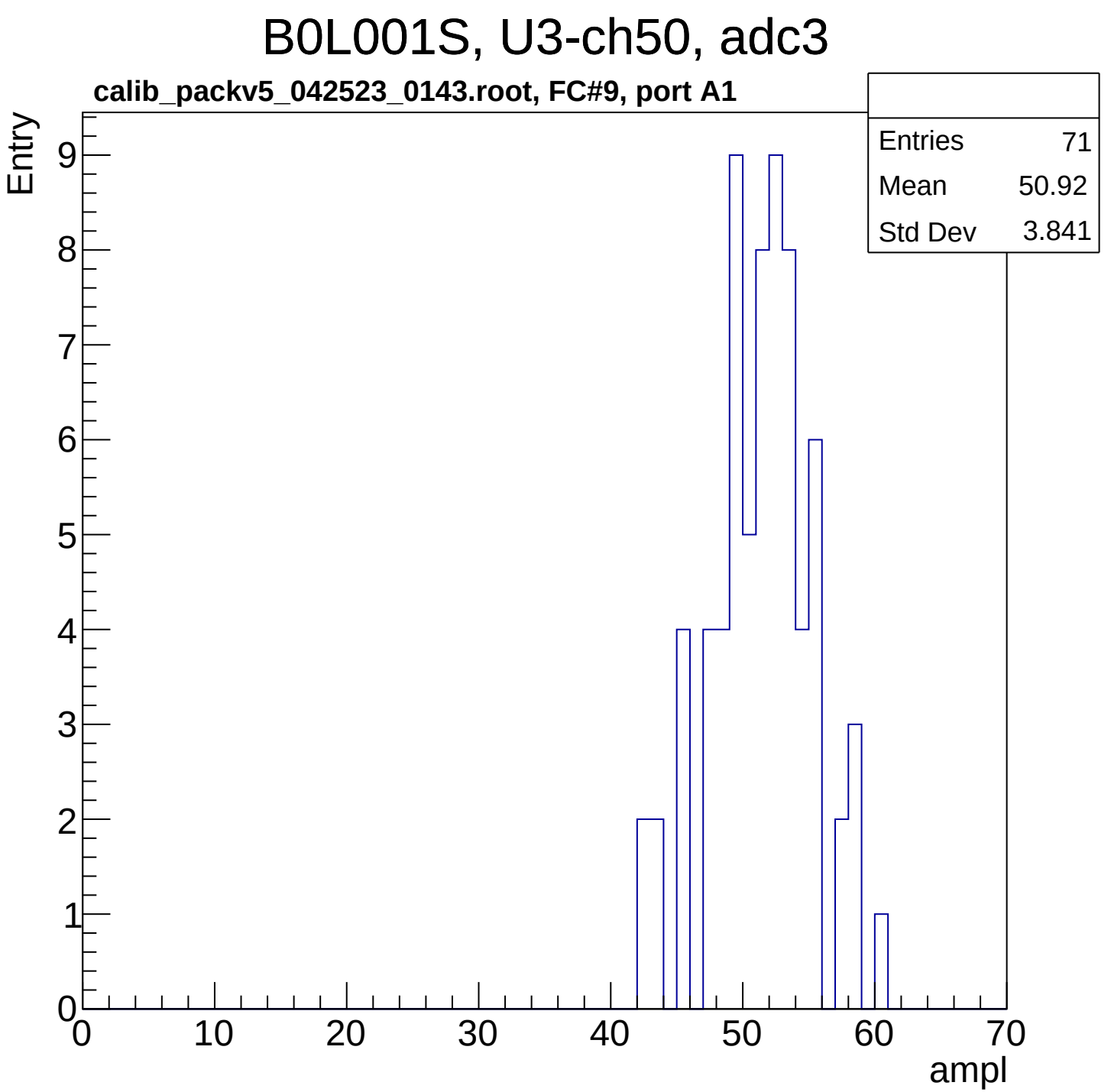
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch50, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 38.1
Std Dev 2.998
Gaus mean : 38.8293
Gaus Width: 2.5319
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch50, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 44.68
Std Dev 2.945
Gaus mean : 45.0145
Gaus Width: 3.0261
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch50, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 50.92
Std Dev 3.841
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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50
60
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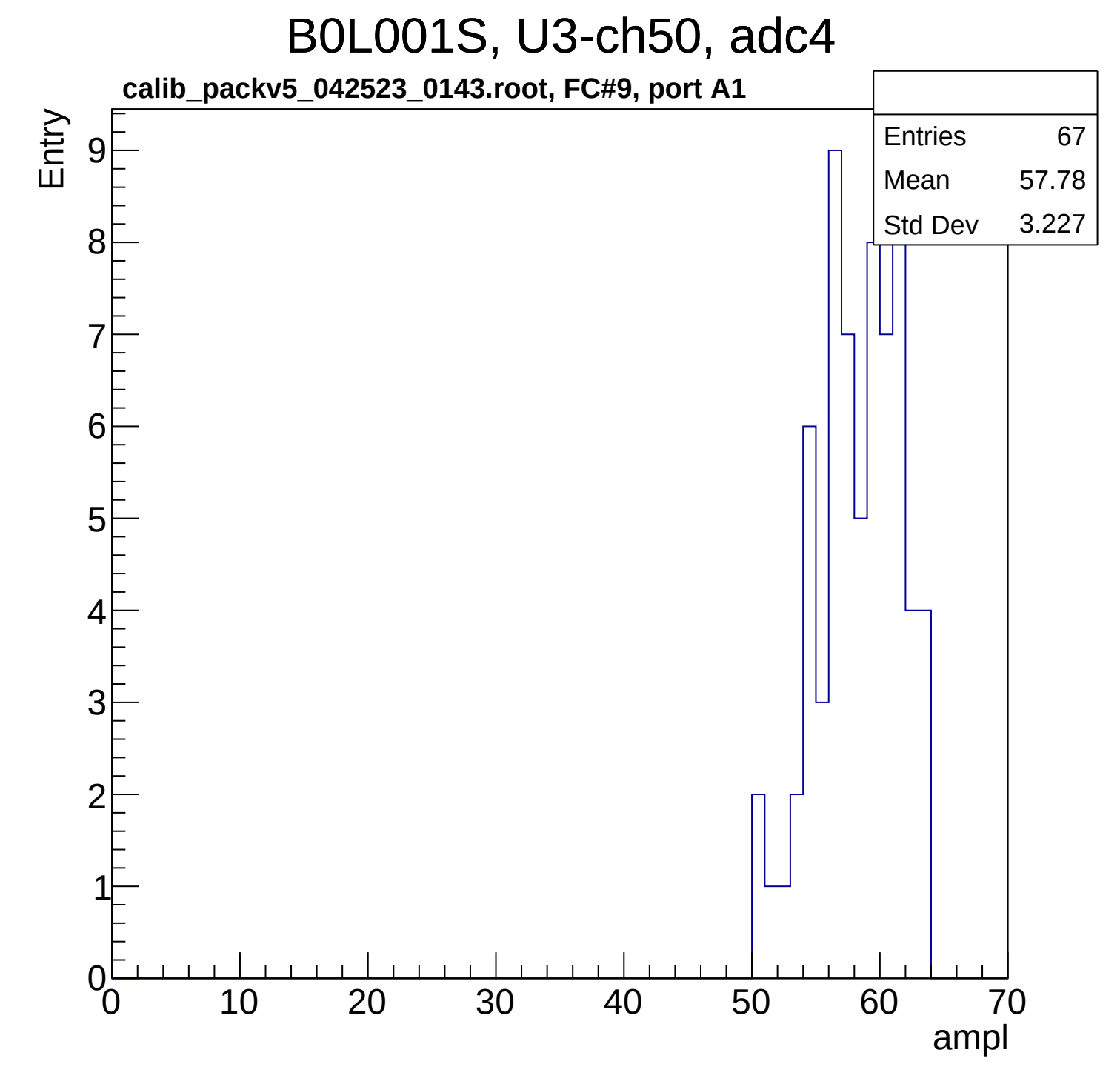
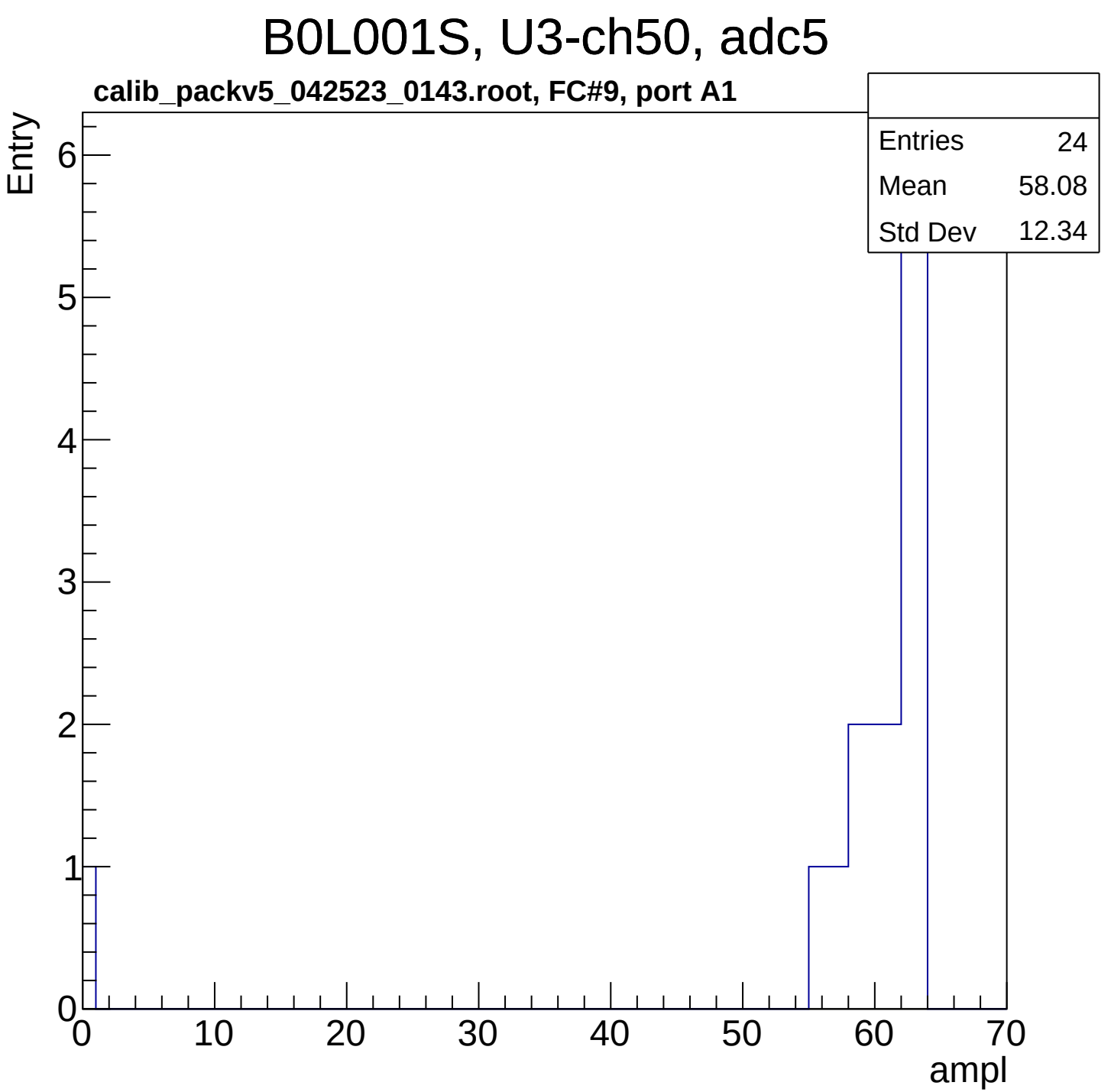
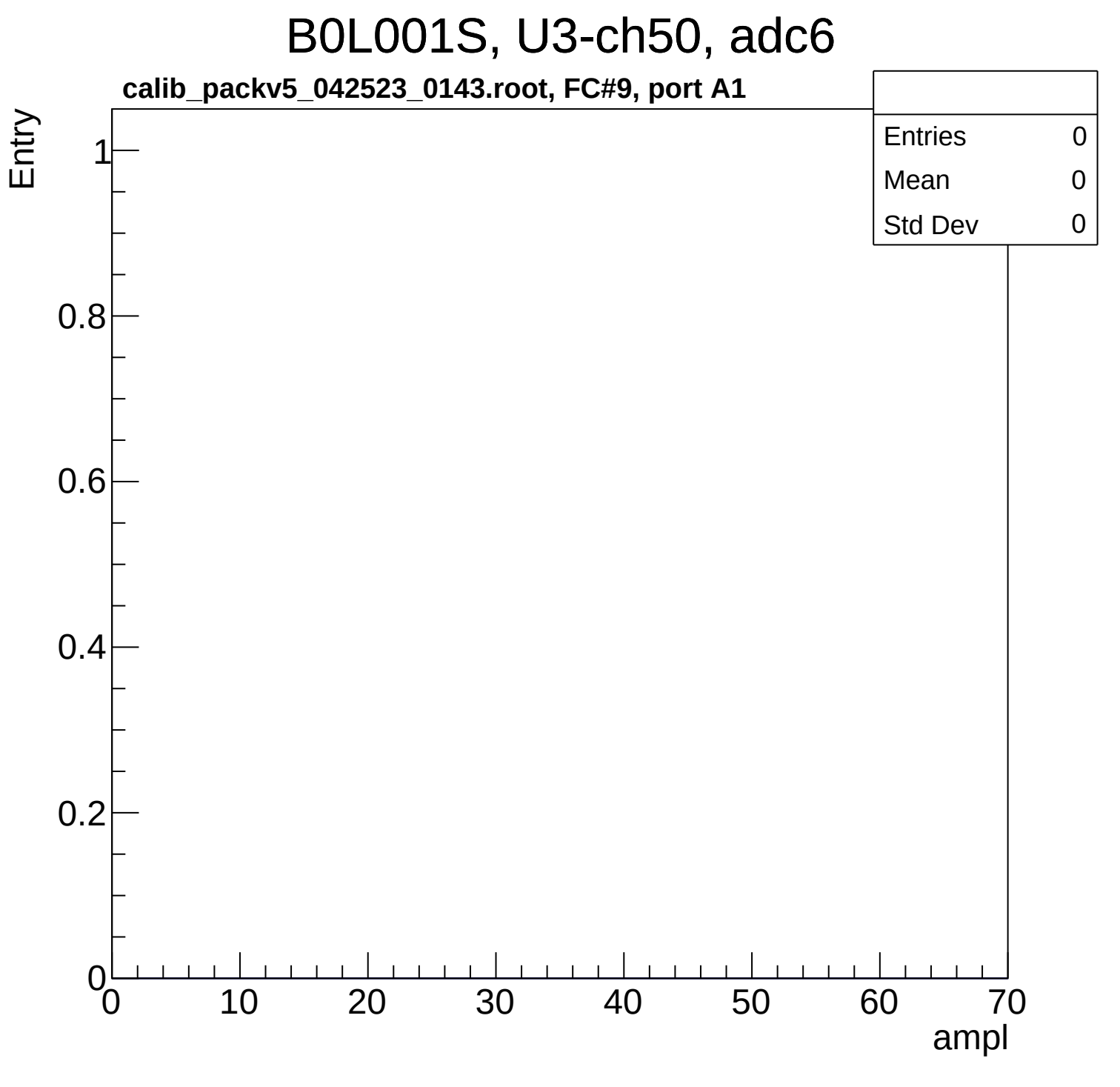
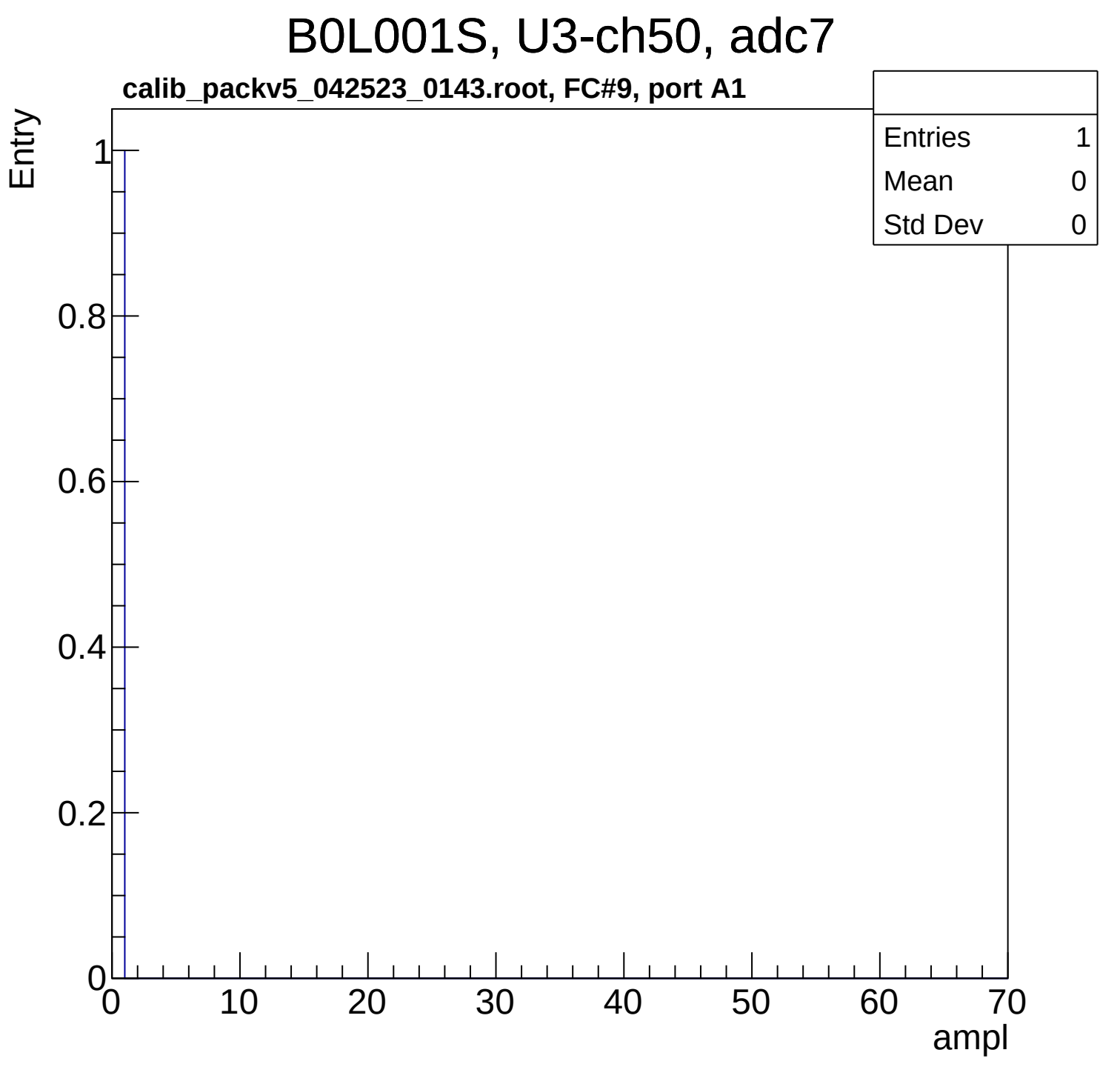
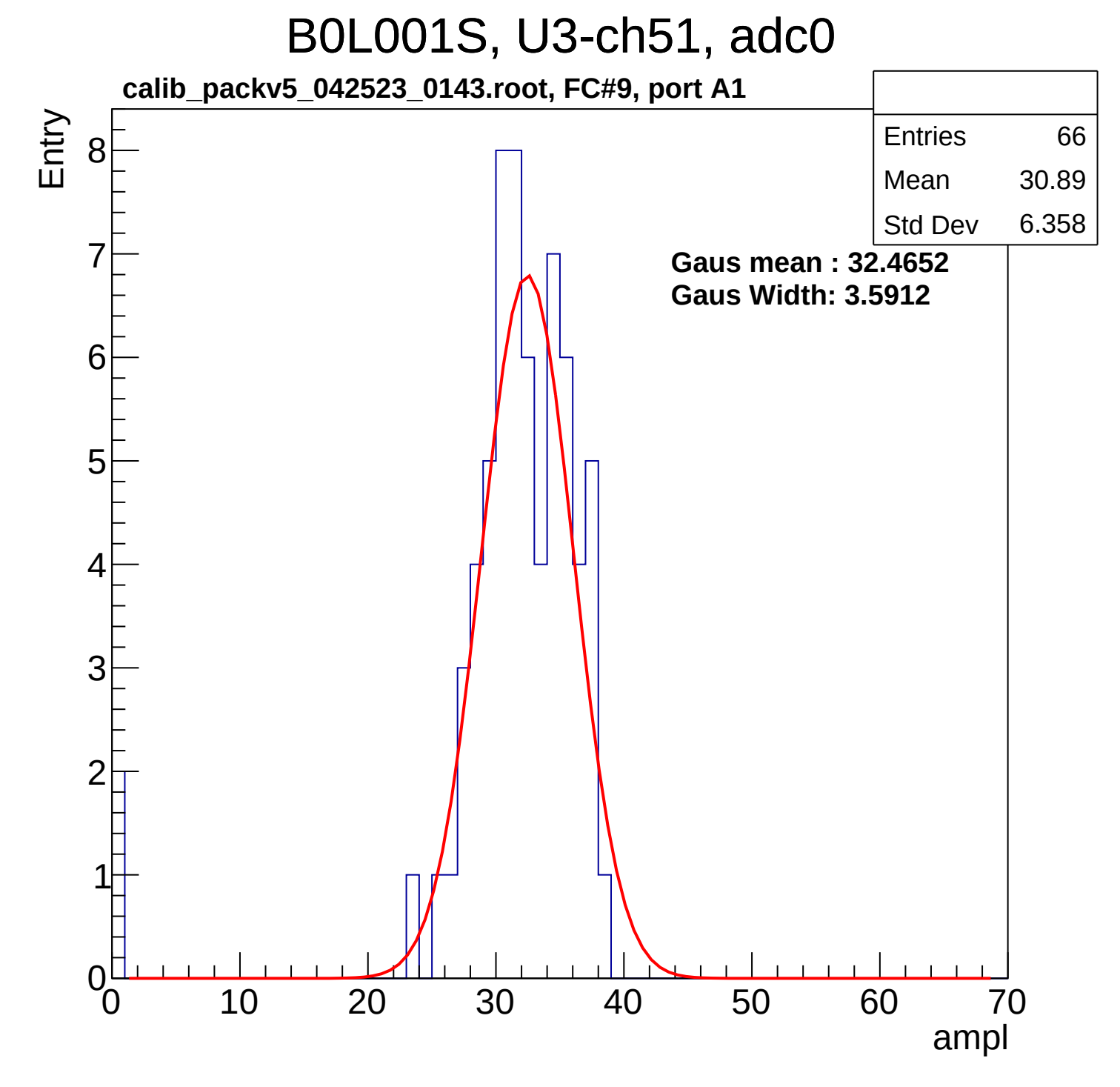
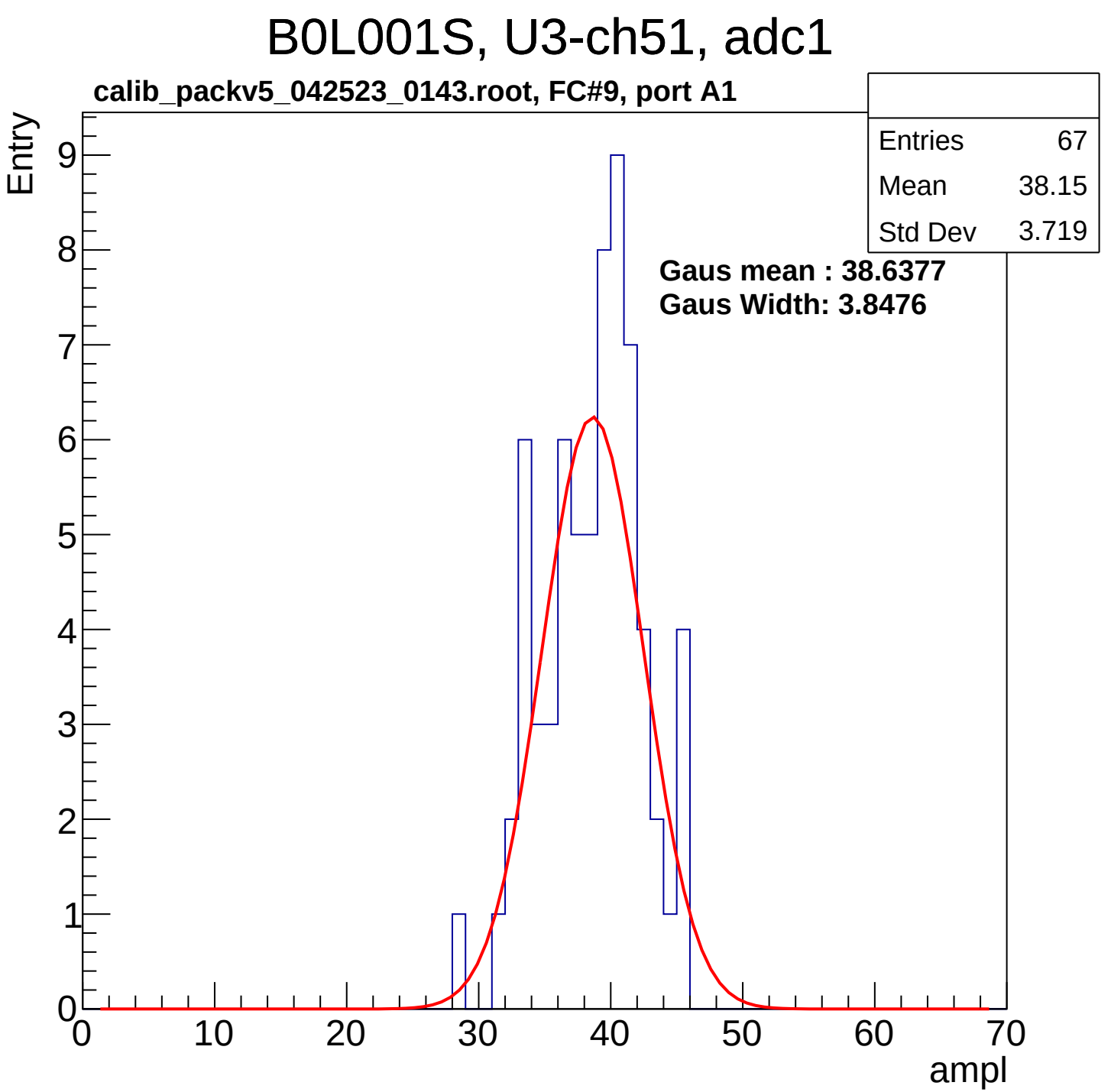

B0L001S, U3-ch50, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 57.78
Std Dev 3.227
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

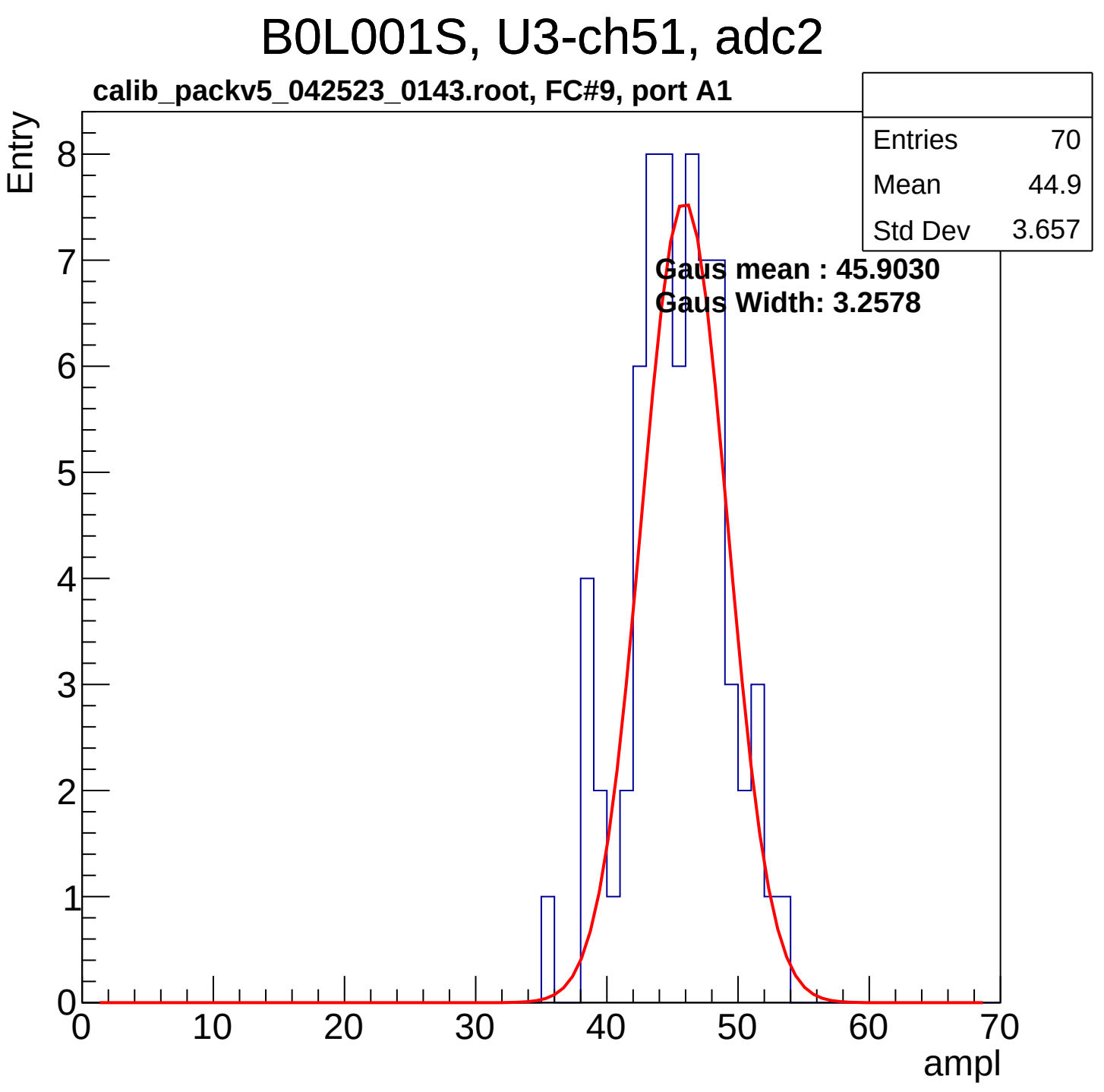

B0L001S, U3-ch50, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 24
Mean 58.08
Std Dev 12.34
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

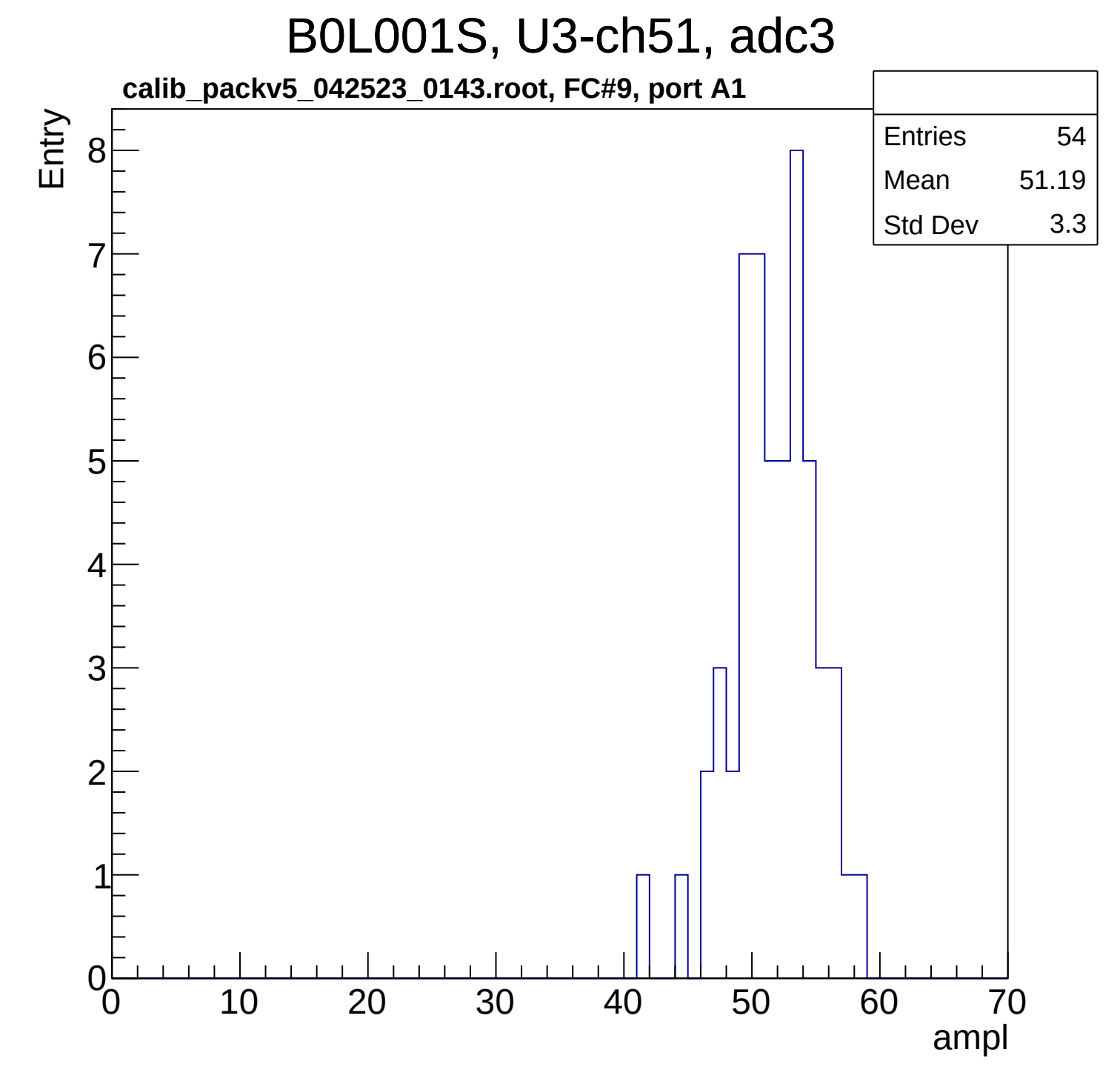

B0L001S, U3-ch50, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

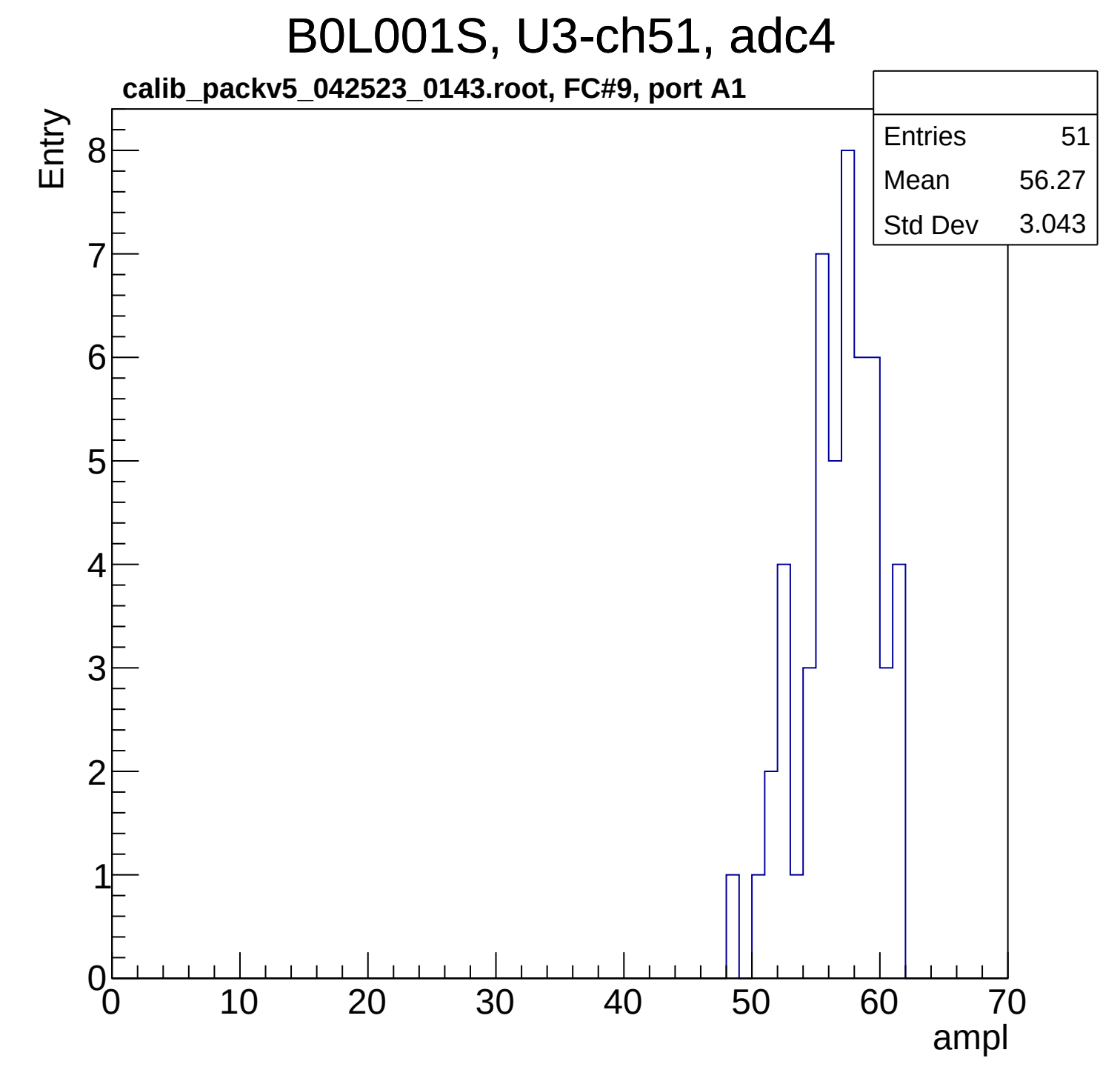

B0L001S, U3-ch50, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

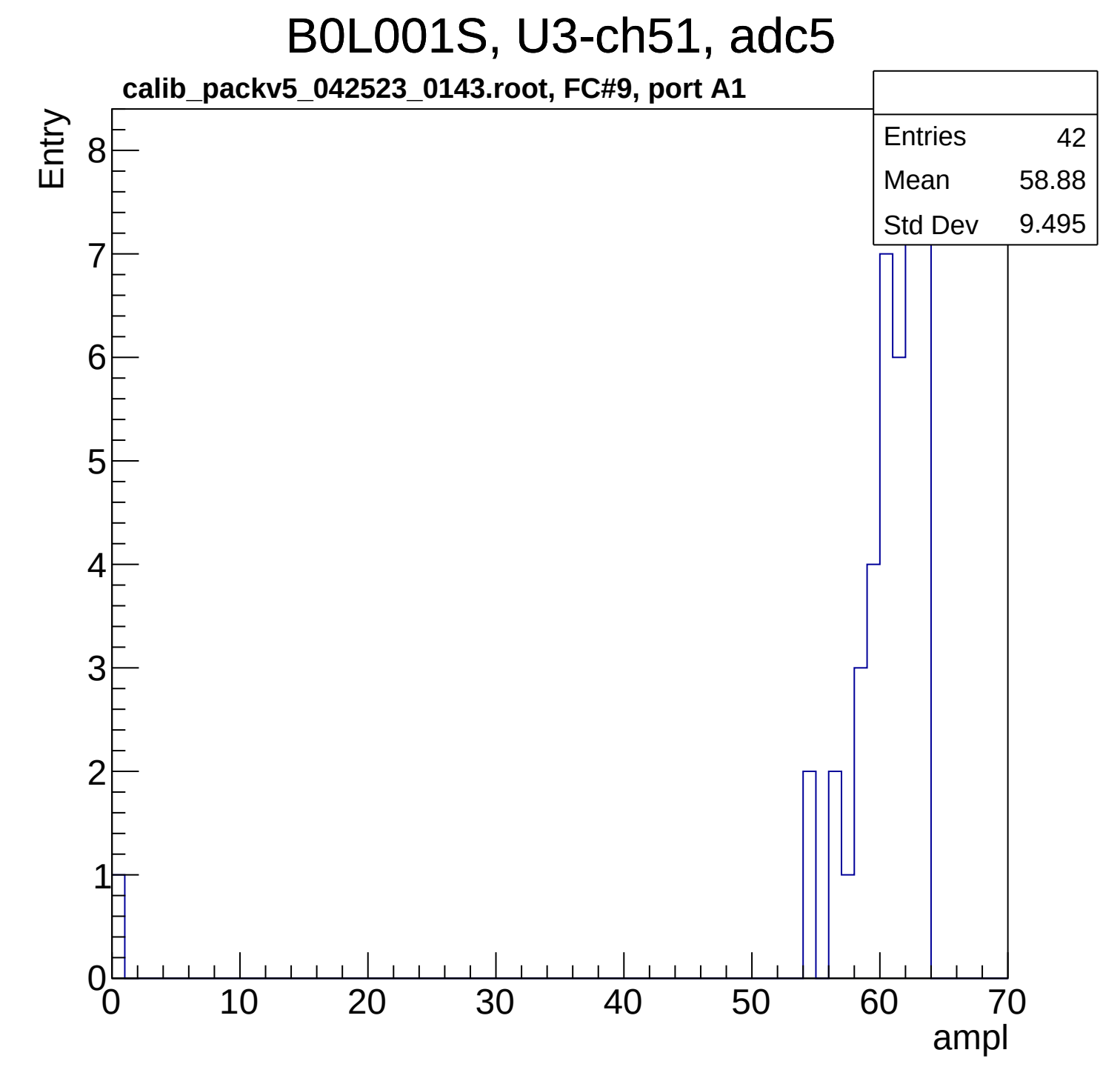

B0L001S, U3-ch51, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 30.89
Std Dev 6.358
Gaus mean : 32.4652
Gaus Width: 3.5912
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

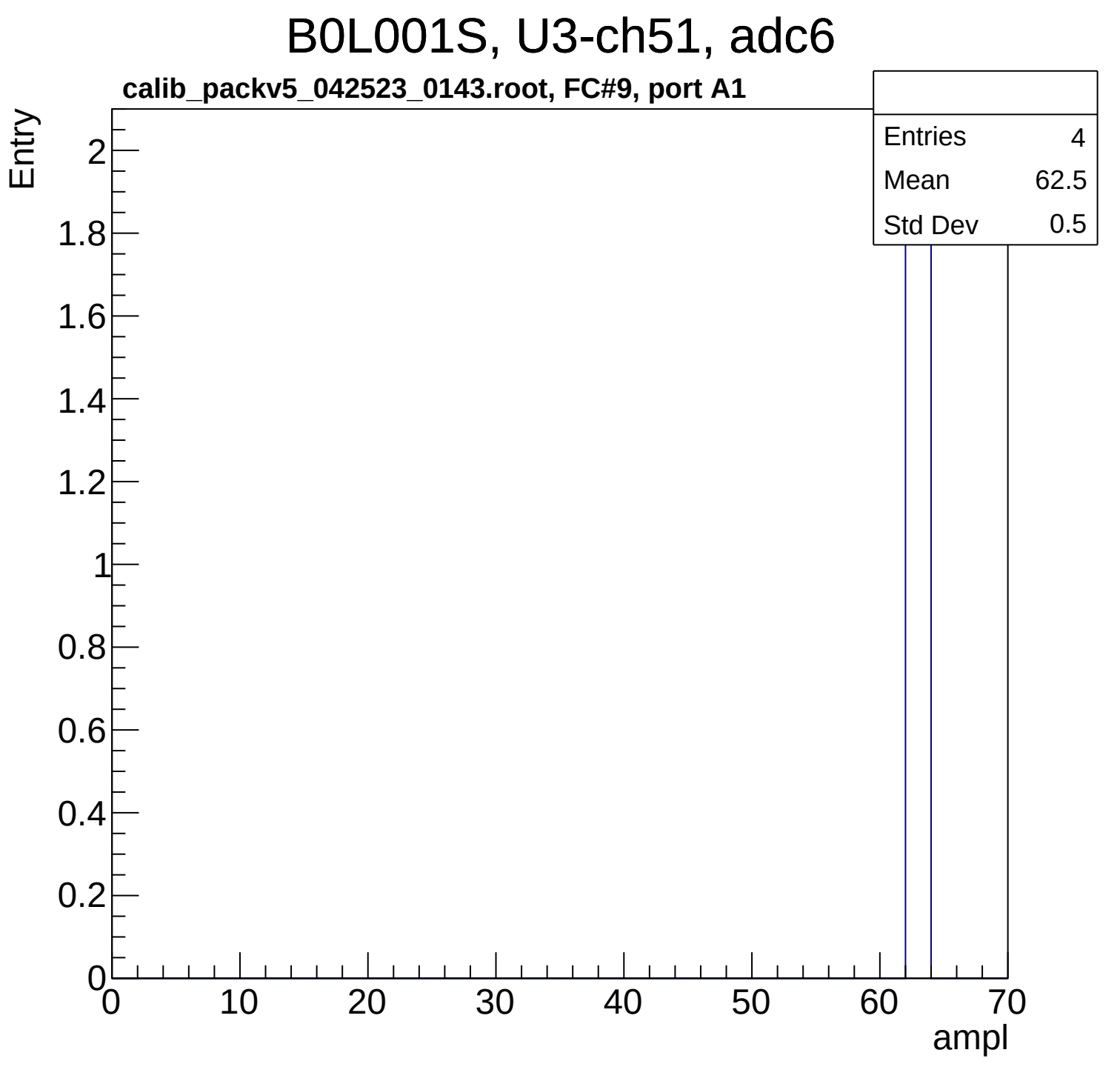

B0L001S, U3-ch51, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 38.15
Std Dev 3.719
Gaus mean : 38.6377
Gaus Width: 3.8476
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

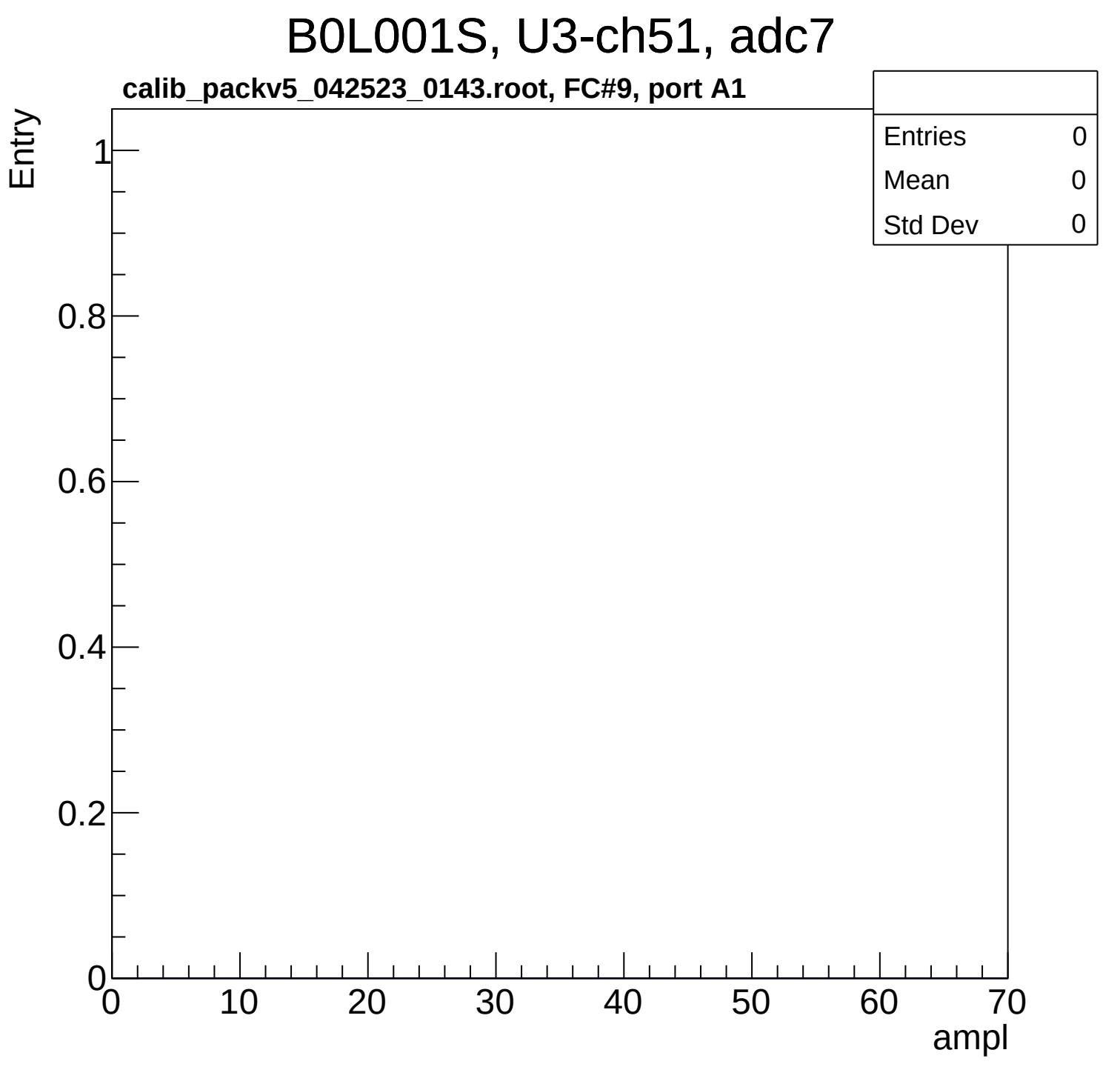

B0L001S, U3-ch51, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 44.9
Std Dev 3.657
Gaus mean : 45.9030
Gaus Width: 3.2578
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

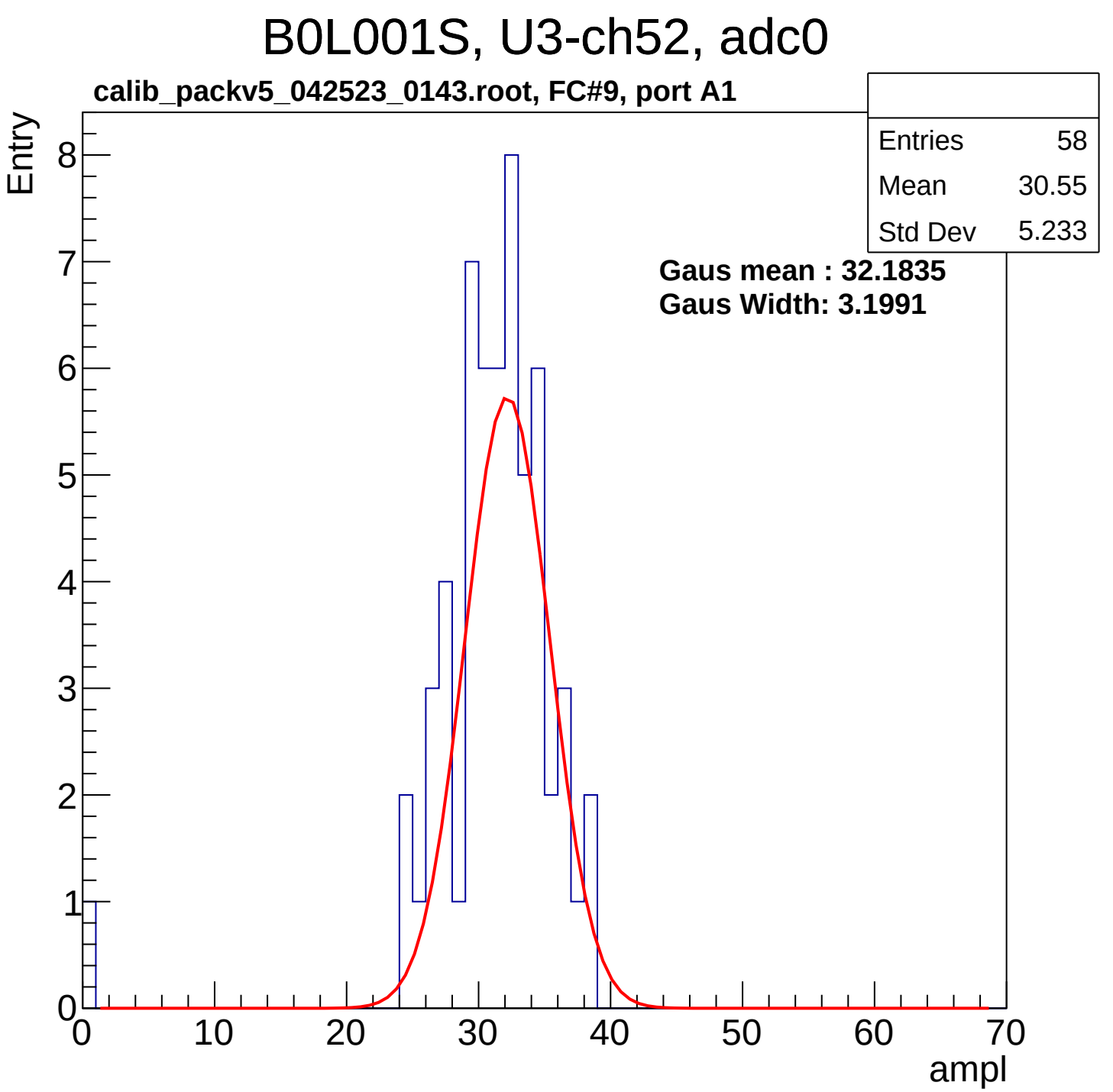

B0L001S, U3-ch51, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 51.19
Std Dev 3.3
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

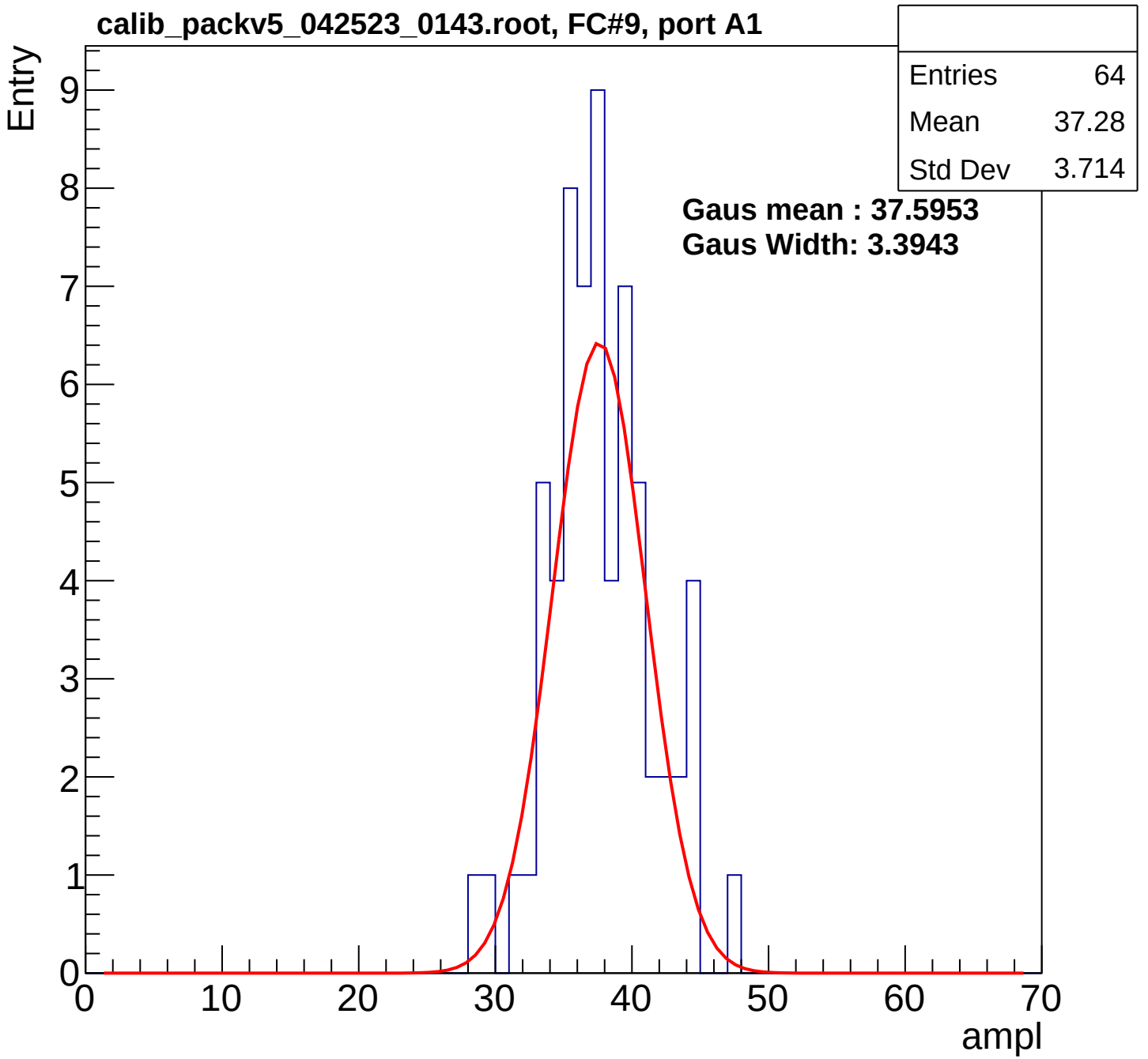

B0L001S, U3-ch51, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 56.27
Std Dev 3.043
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

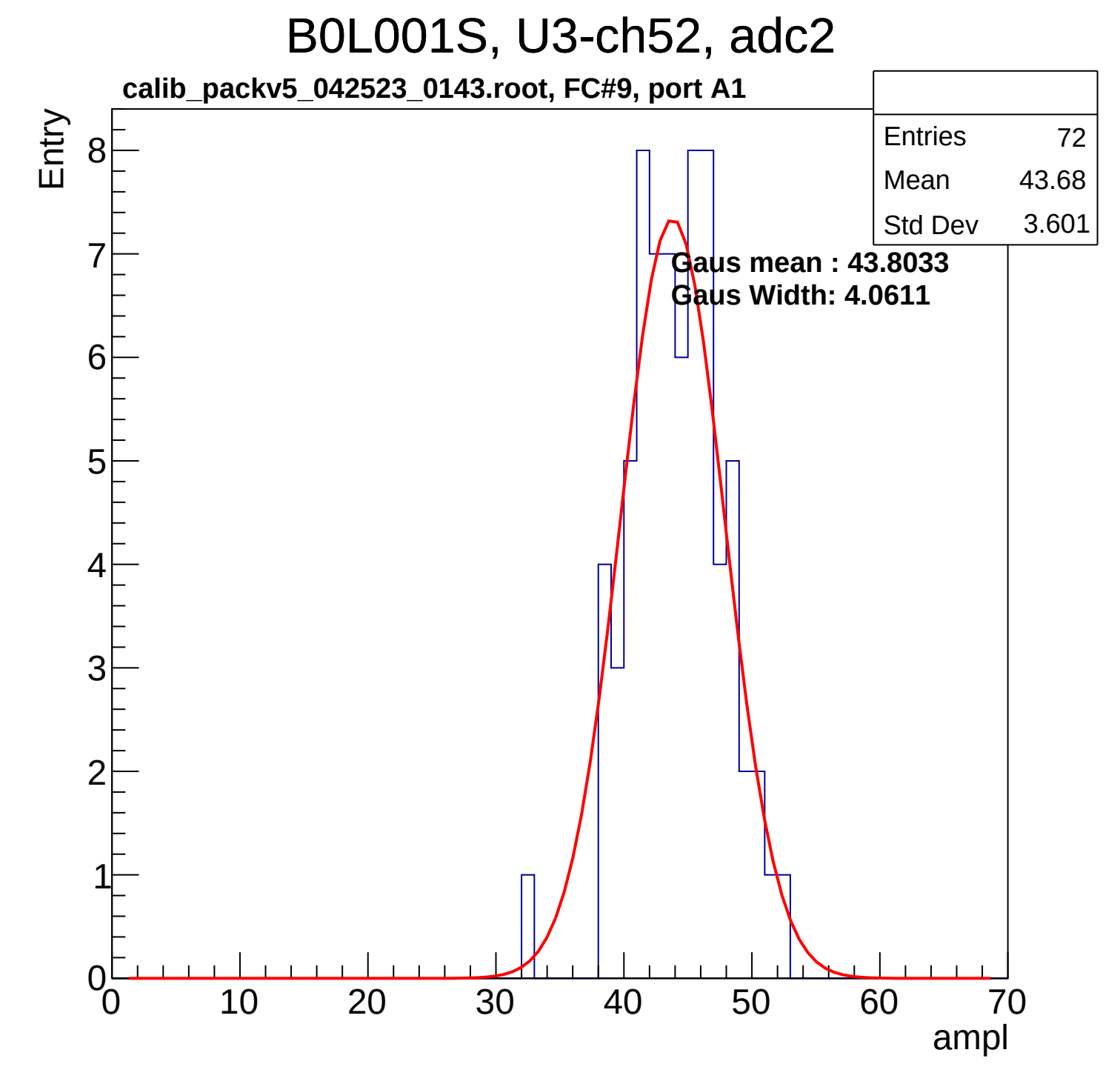

B0L001S, U3-ch51, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 58.88
Std Dev 9.495
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

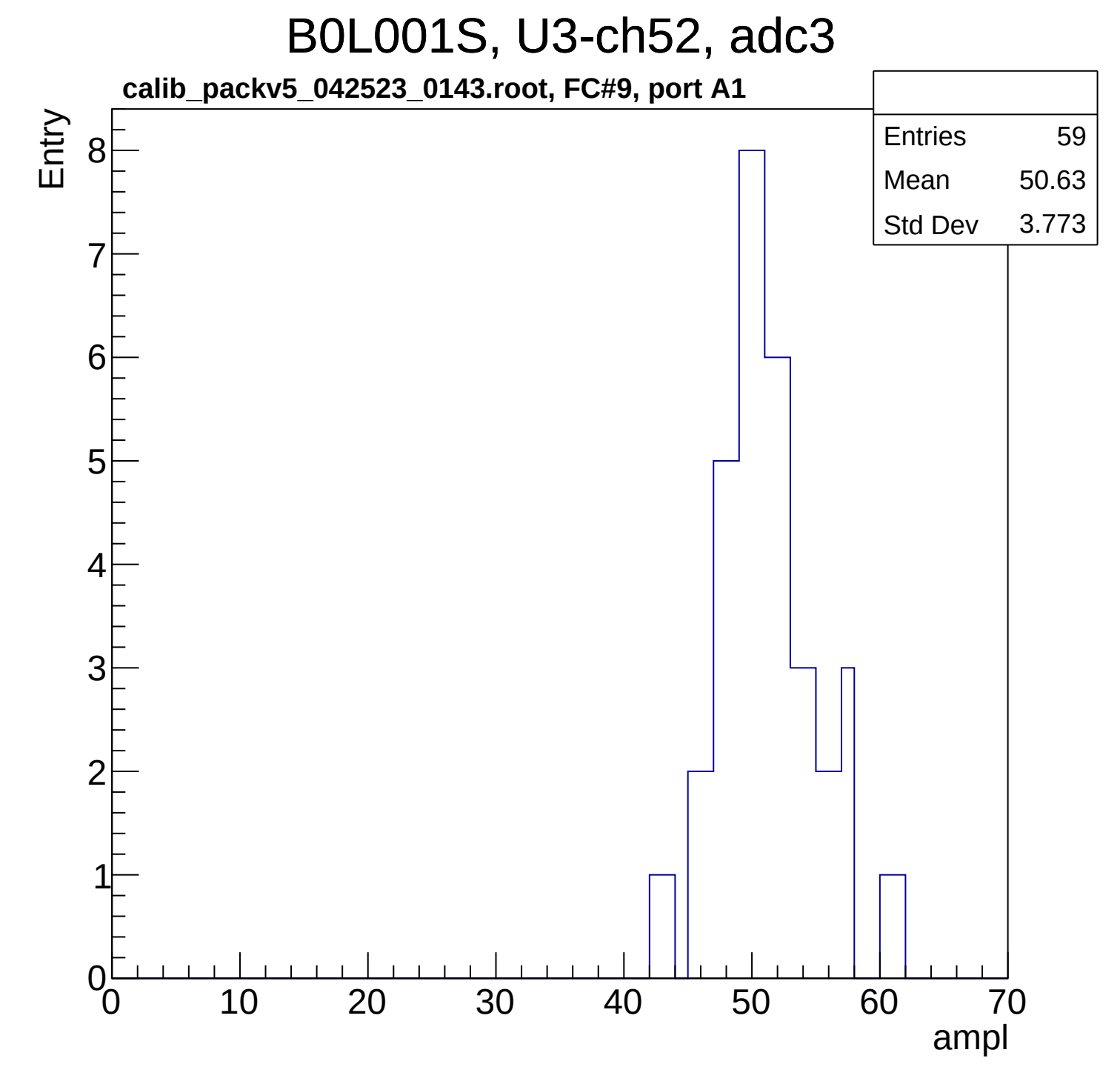

B0L001S, U3-ch51, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 62.5
Std Dev 0.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch51, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch52, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 30.55
Std Dev 5.233
Gaus mean : 32.1835
Gaus Width: 3.1991
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch52, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 37.28
Std Dev 3.714
Gaus mean : 37.5953
Gaus Width: 3.3943
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch52, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 43.68
Std Dev 3.601
Gaus mean : 43.8033
Gaus Width: 4.0611
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch52, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 50.63
Std Dev 3.773
Entry
ampl
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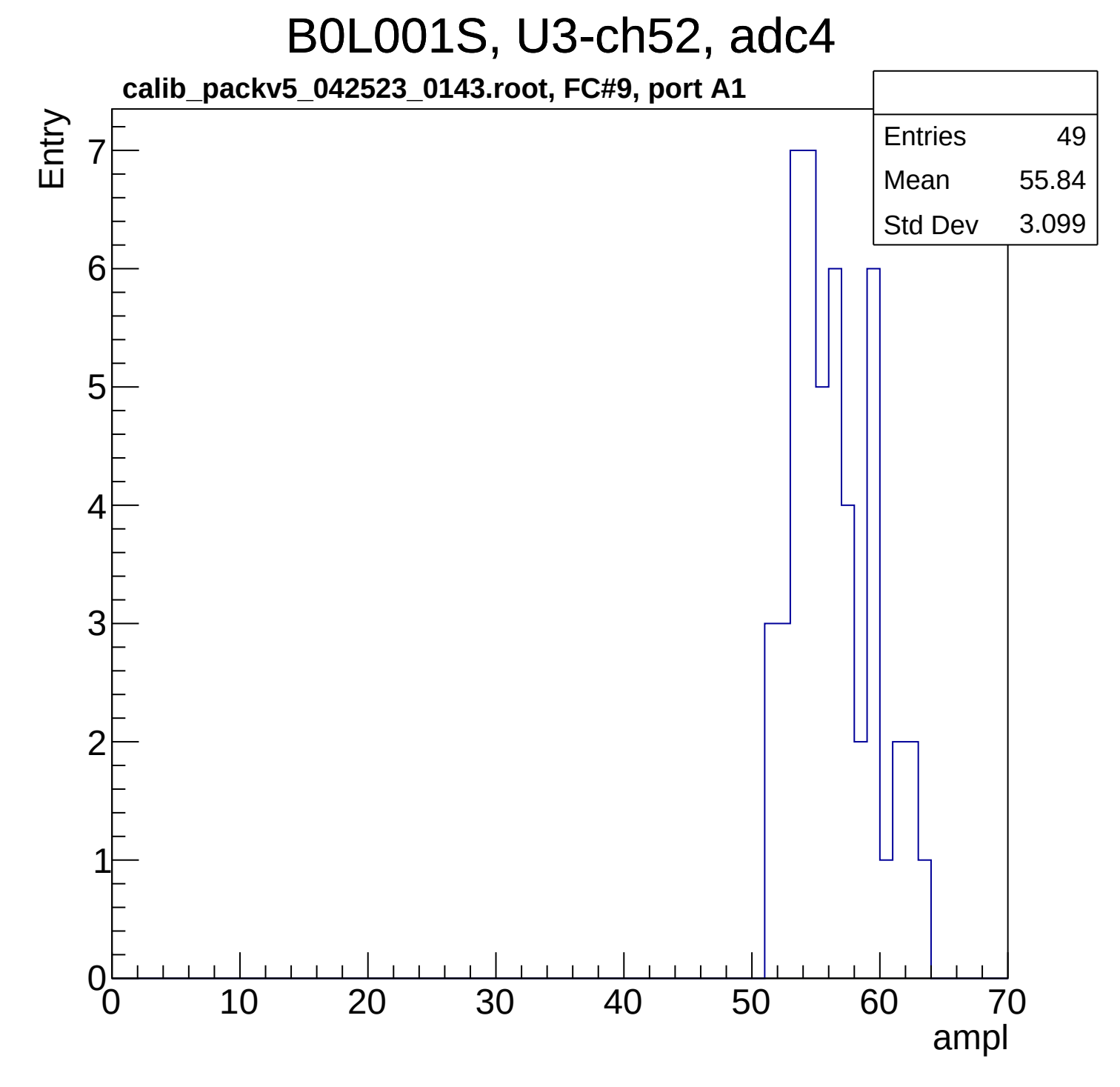
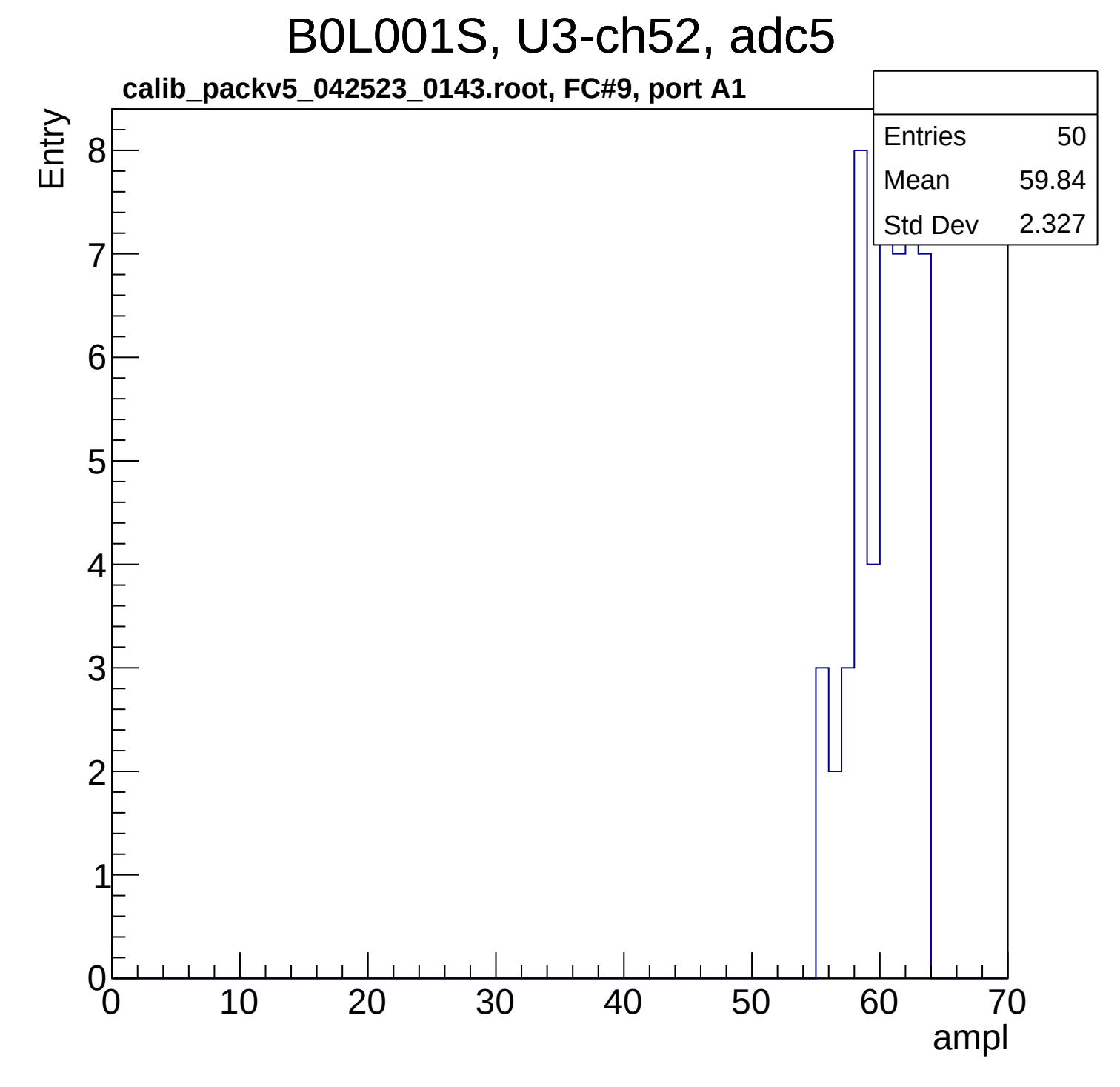
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch52, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 55.84
Std Dev 3.099
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch52, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 59.84
Std Dev 2.327
Entry
ampl
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1
2
3
4
5
6
7
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0
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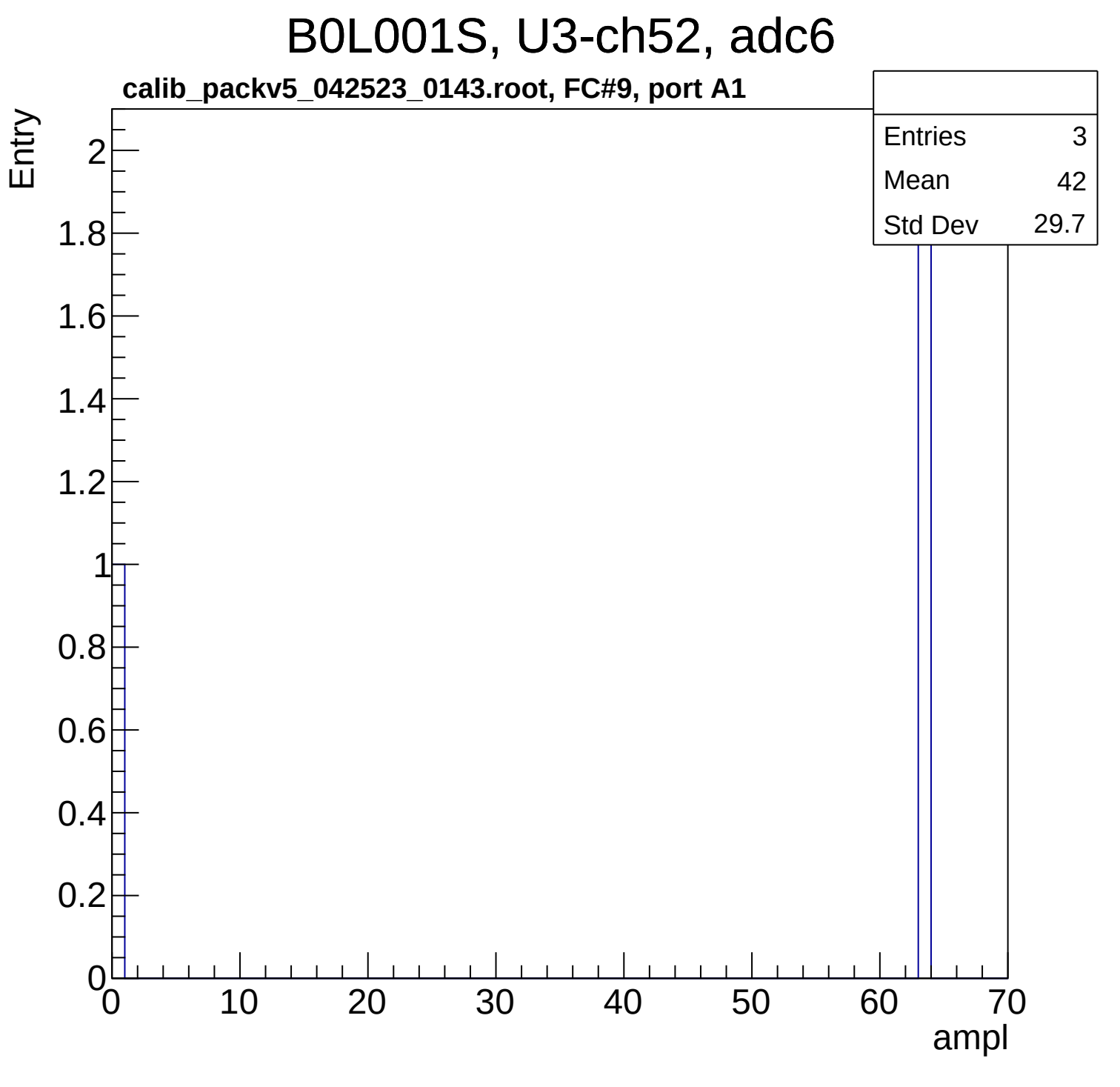
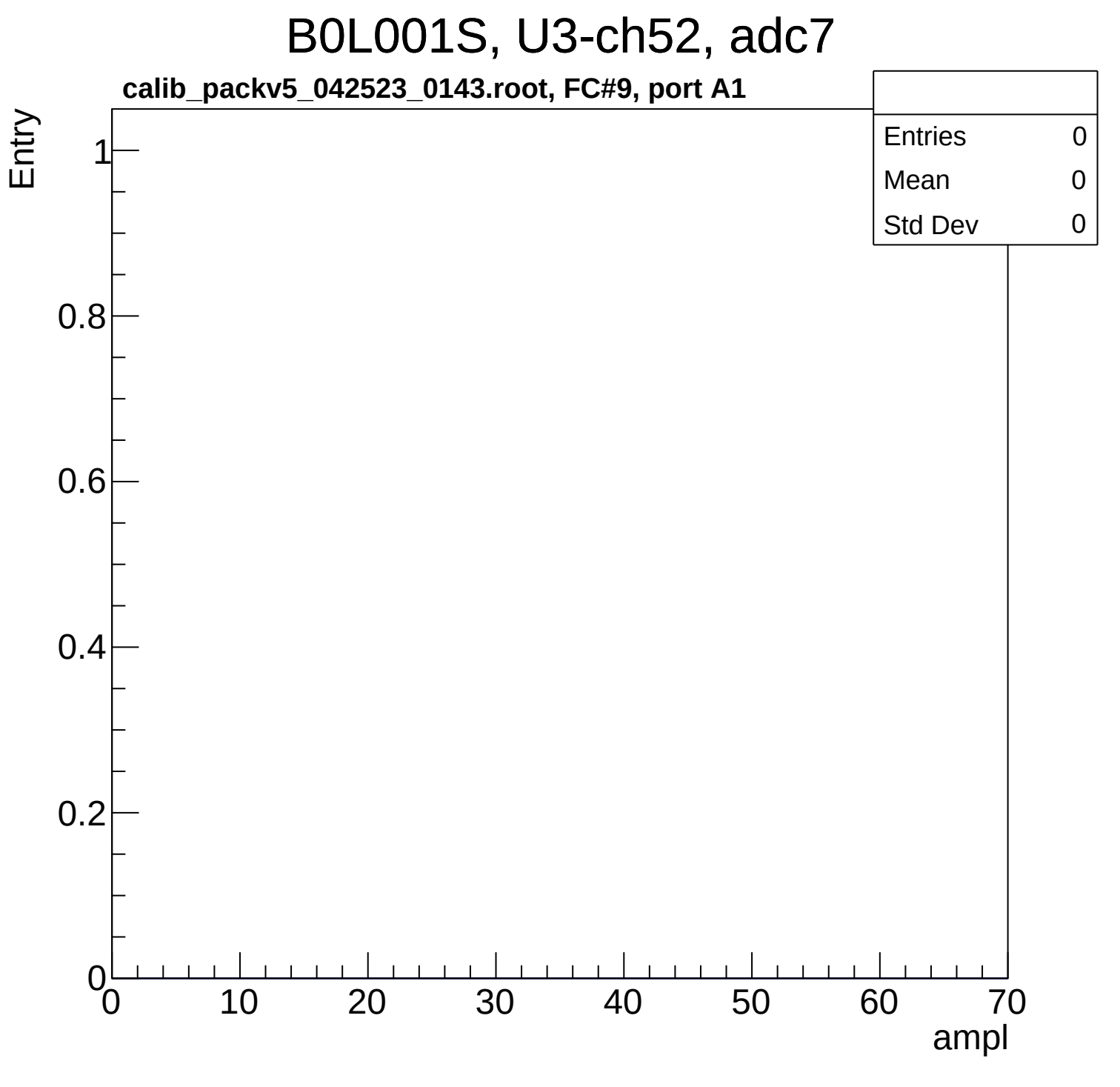
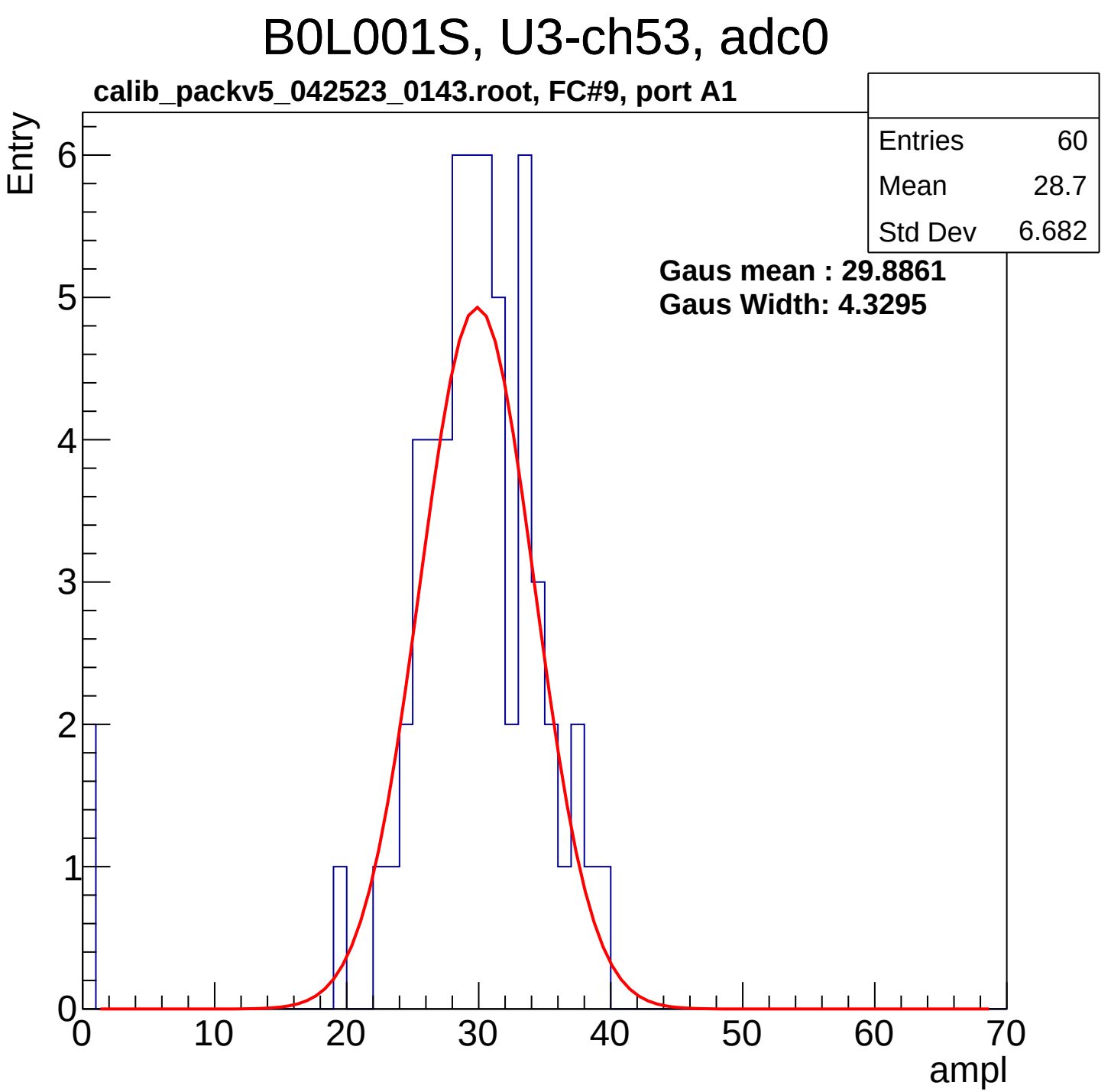
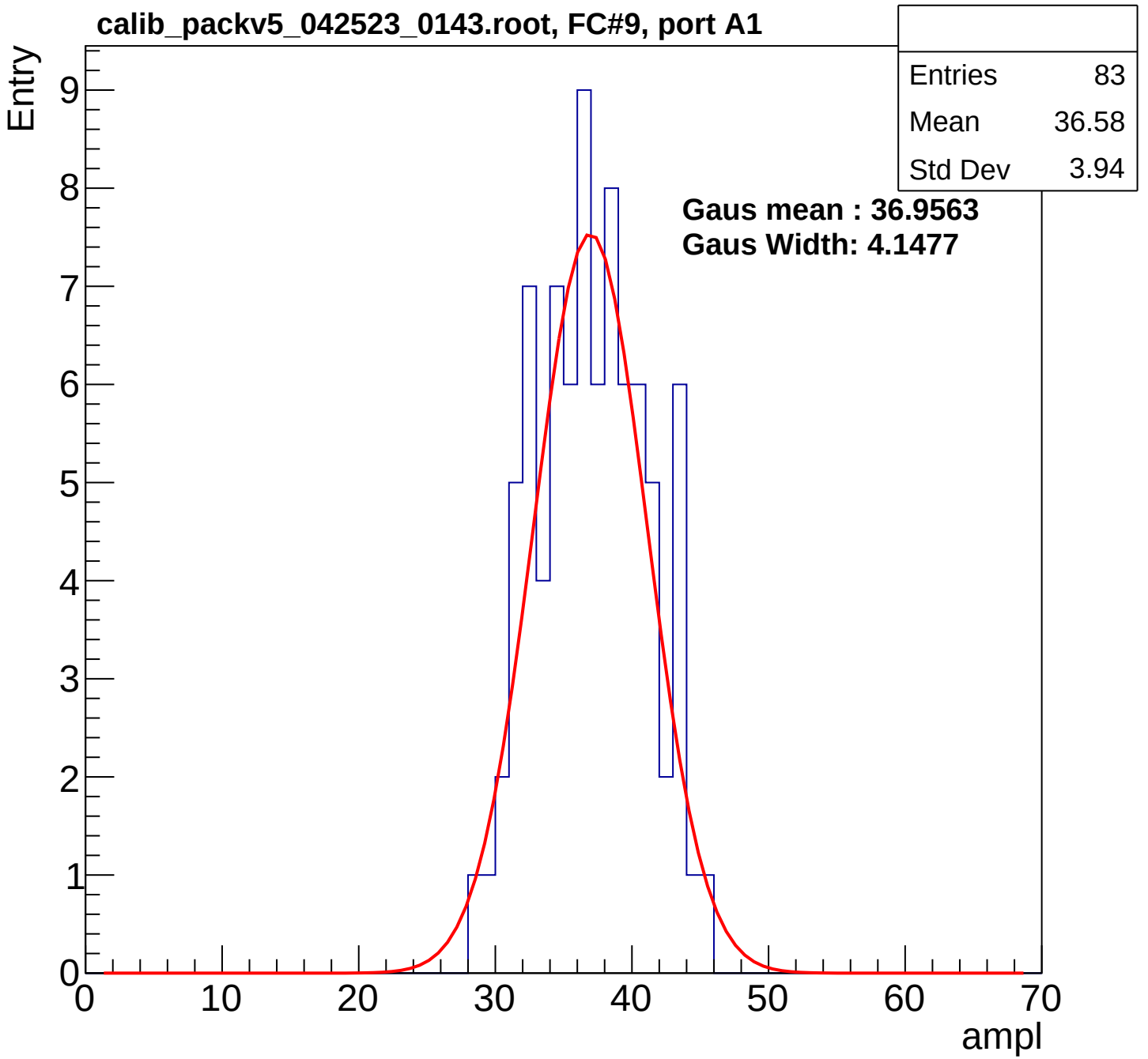
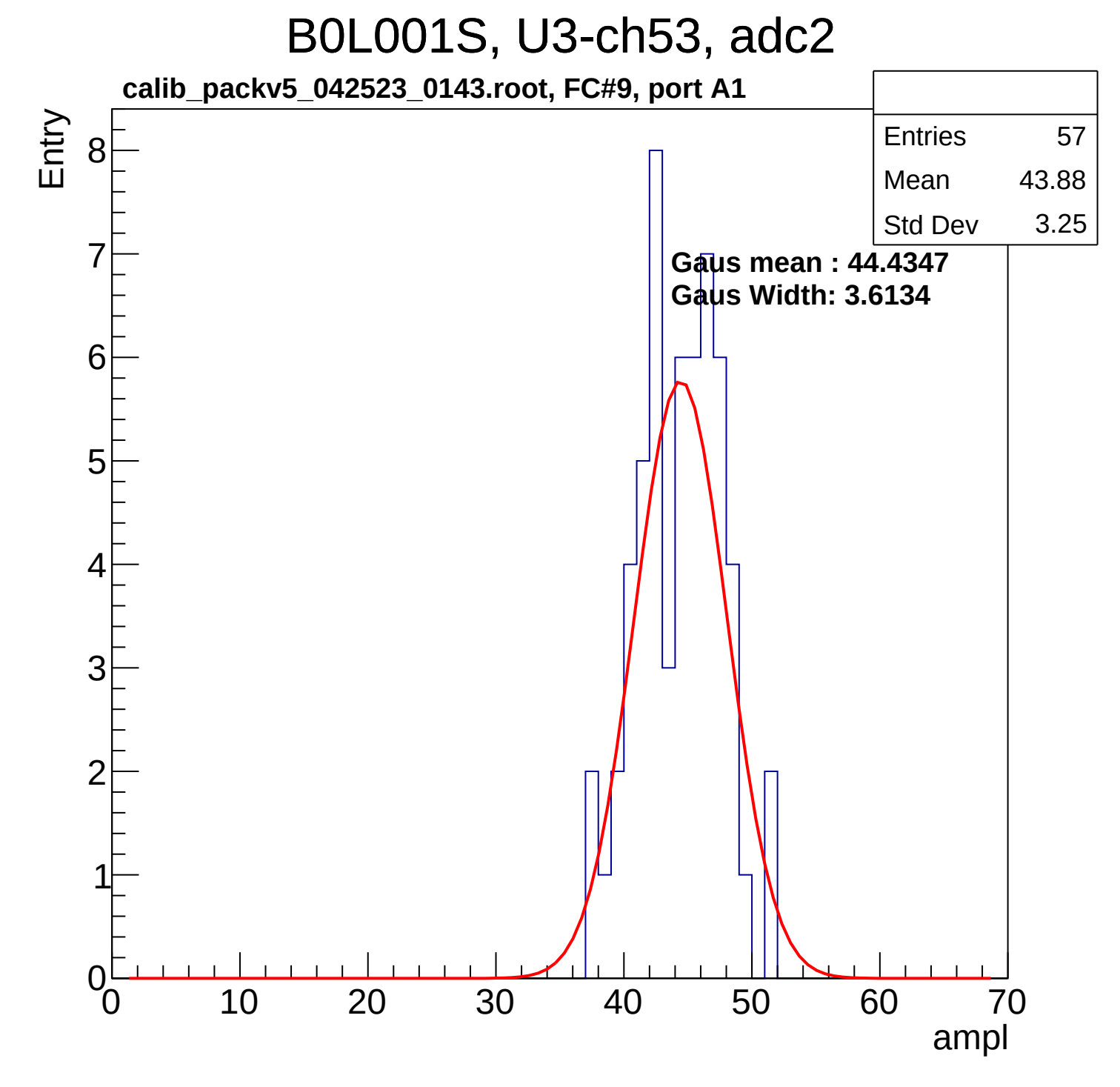
40
50
60
70


B0L001S, U3-ch52, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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
20
30
40
50
60
70


B0L001S, U3-ch52, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch53, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 28.7
Std Dev 6.682
Gaus mean : 29.8861
Gaus Width: 4.3295
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch53, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 36.58
Std Dev 3.94
Gaus mean : 36.9563
Gaus Width: 4.1477
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch53, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 43.88
Std Dev 3.25
Gaus mean : 44.4347
Gaus Width: 3.6134
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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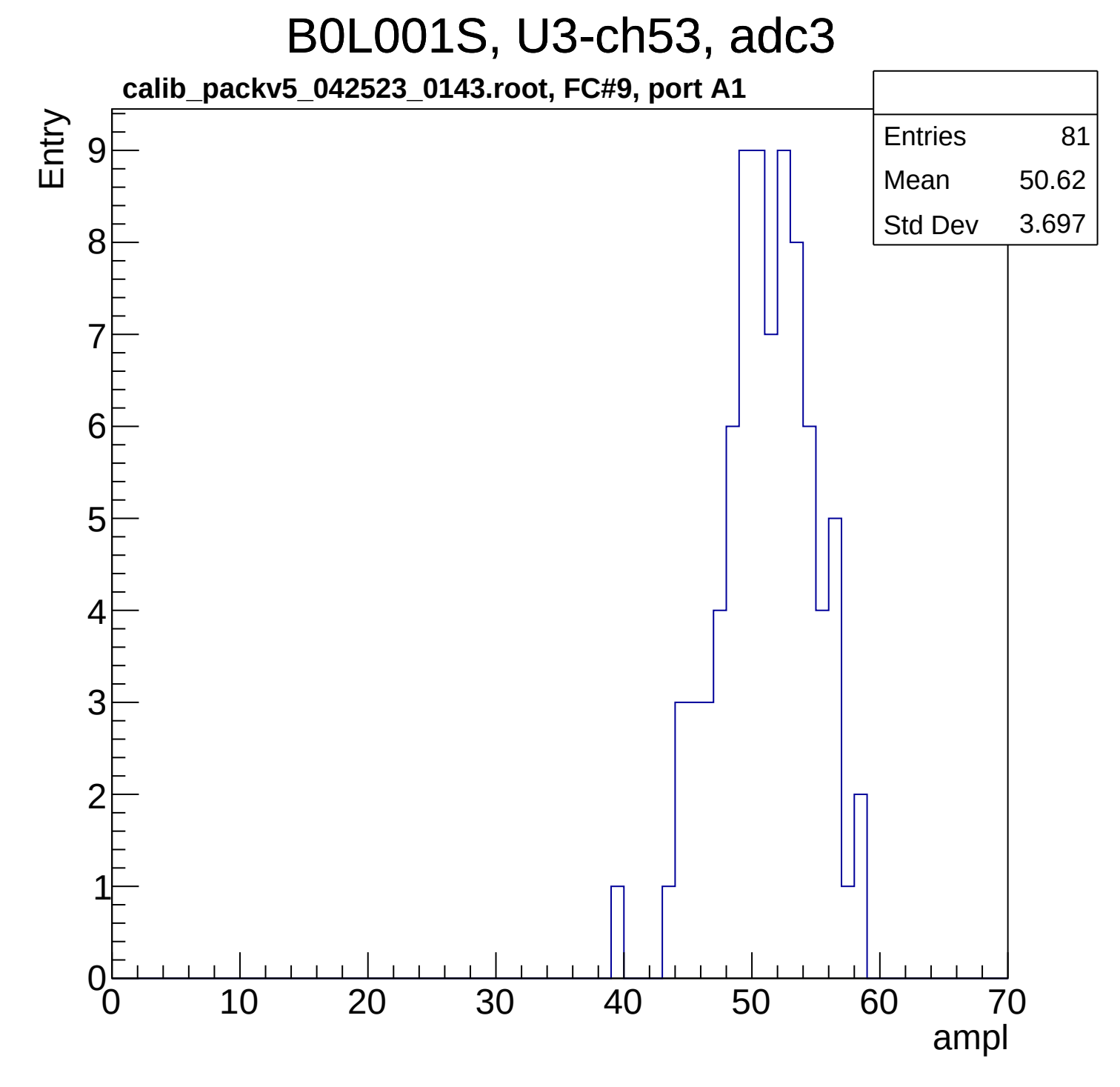
B0L001S, U3-ch53, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 81
Mean 50.62
Std Dev 3.697
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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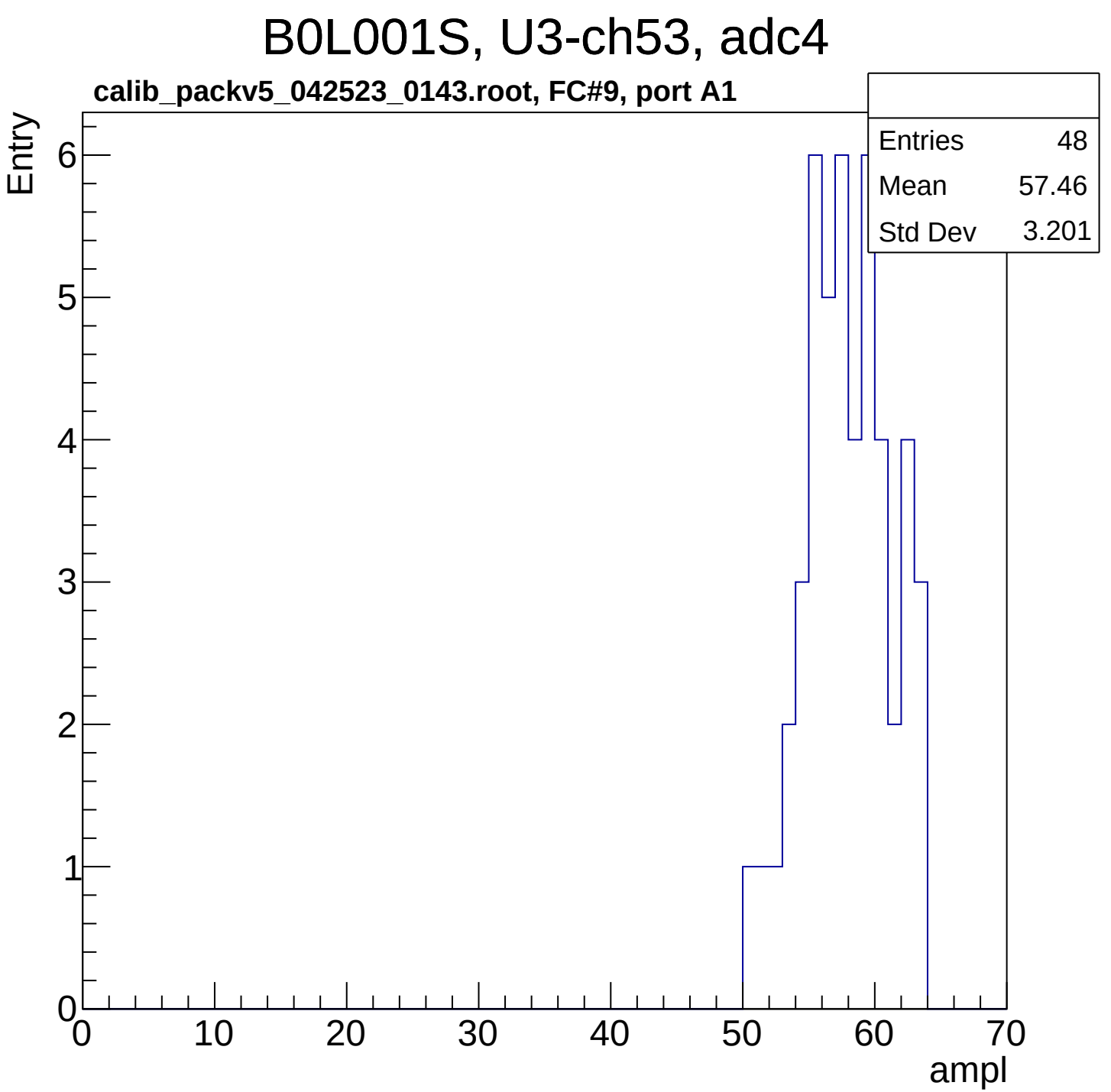
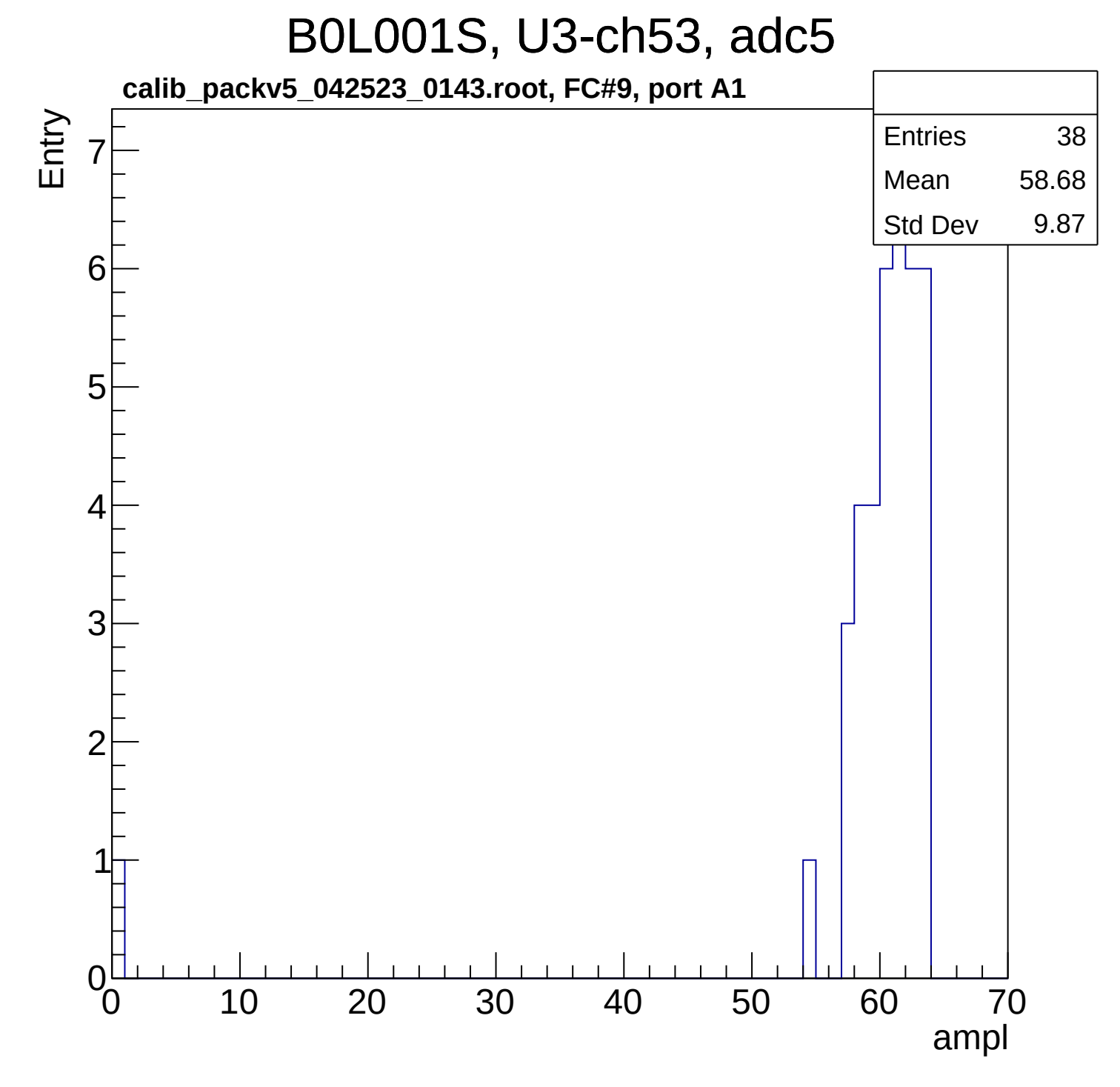
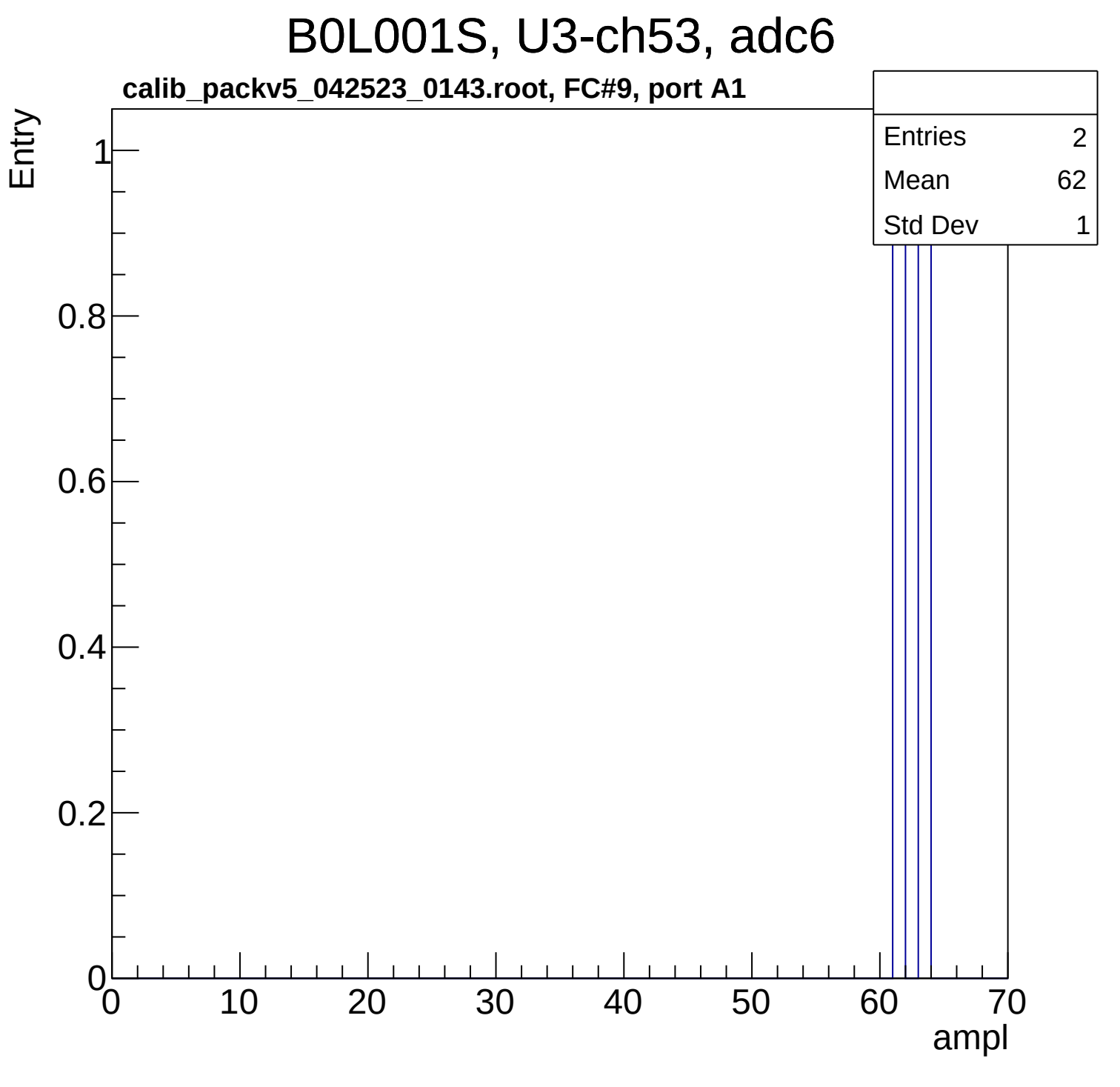
40
50
60
70


B0L001S, U3-ch53, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 57.46
Std Dev 3.201
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch53, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 58.68
Std Dev 9.87
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch53, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62
Std Dev 1
Entry
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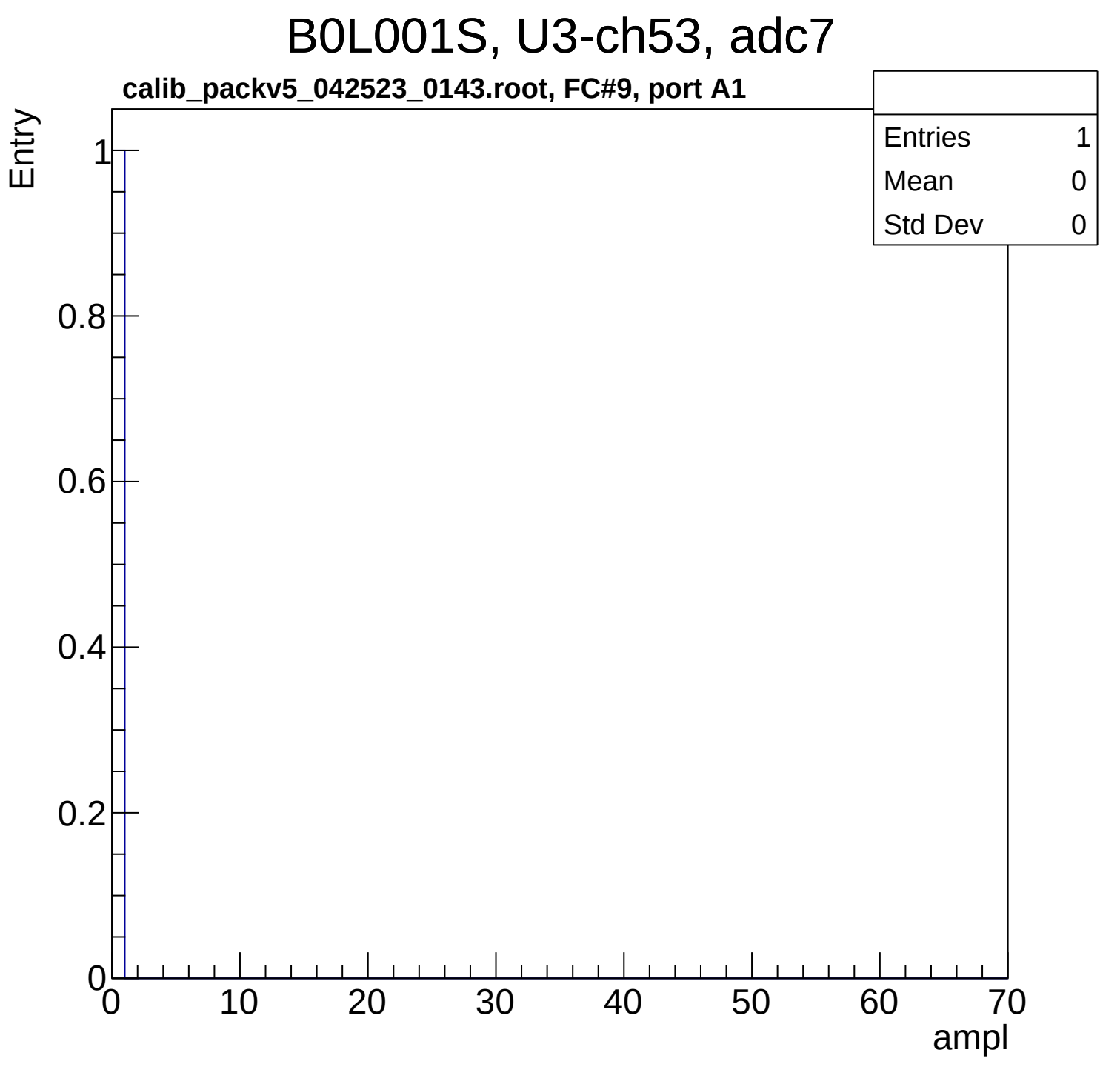
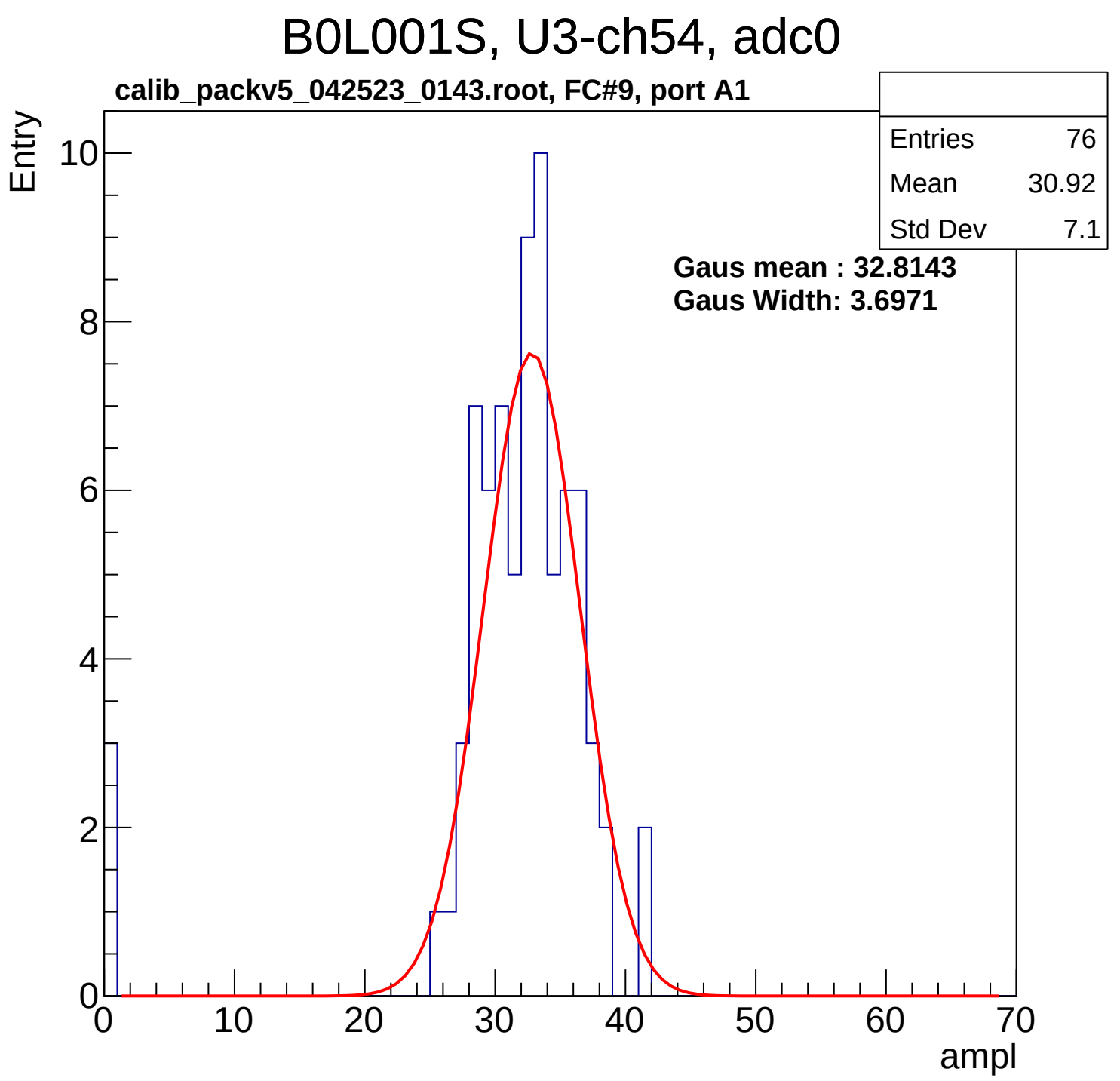
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch53, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch54, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 30.92
Std Dev 7.1
Gaus mean : 32.8143
Gaus Width: 3.6971
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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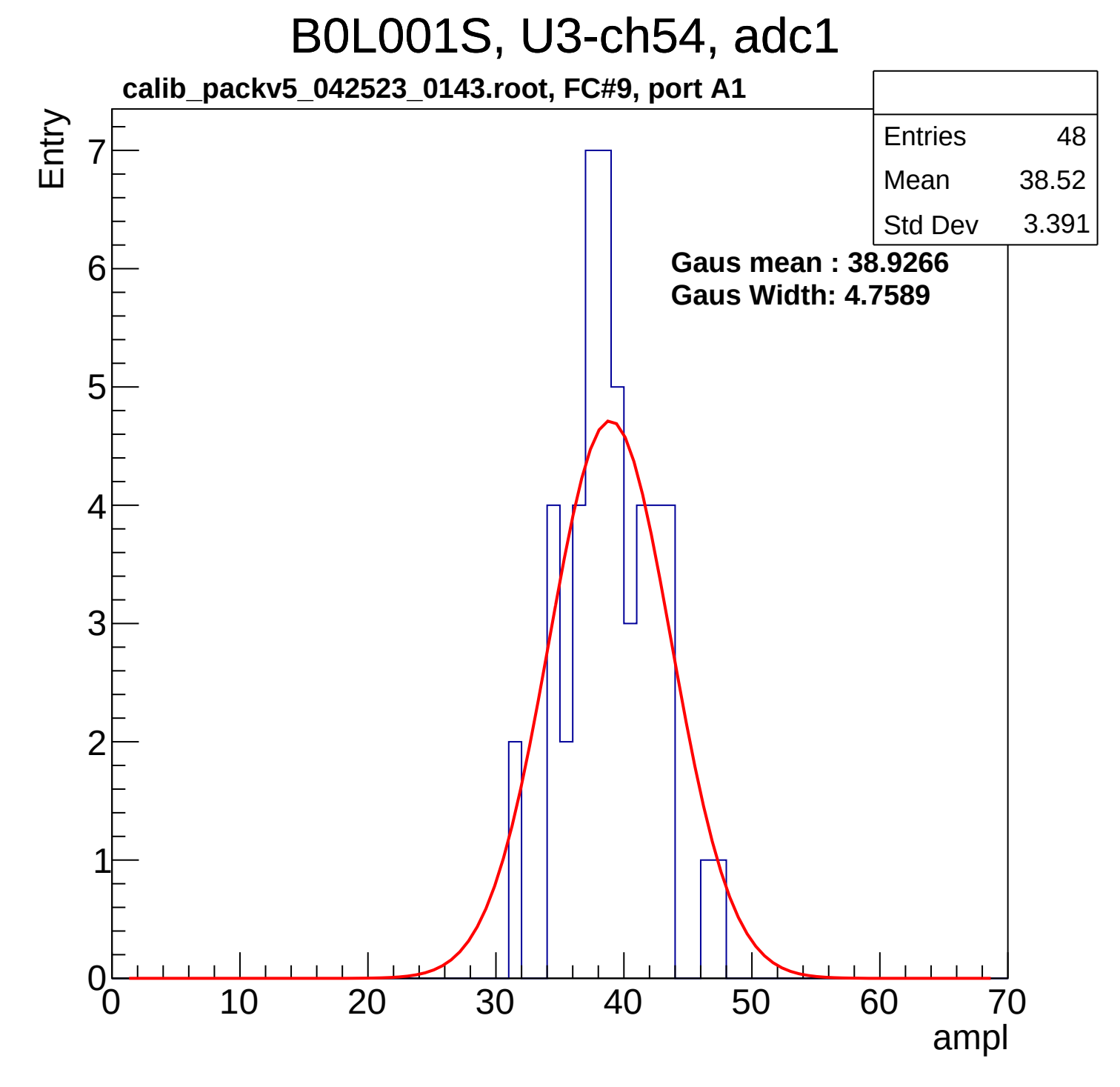
B0L001S, U3-ch54, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 38.52
Std Dev 3.391
Gaus mean : 38.9266
Gaus Width: 4.7589
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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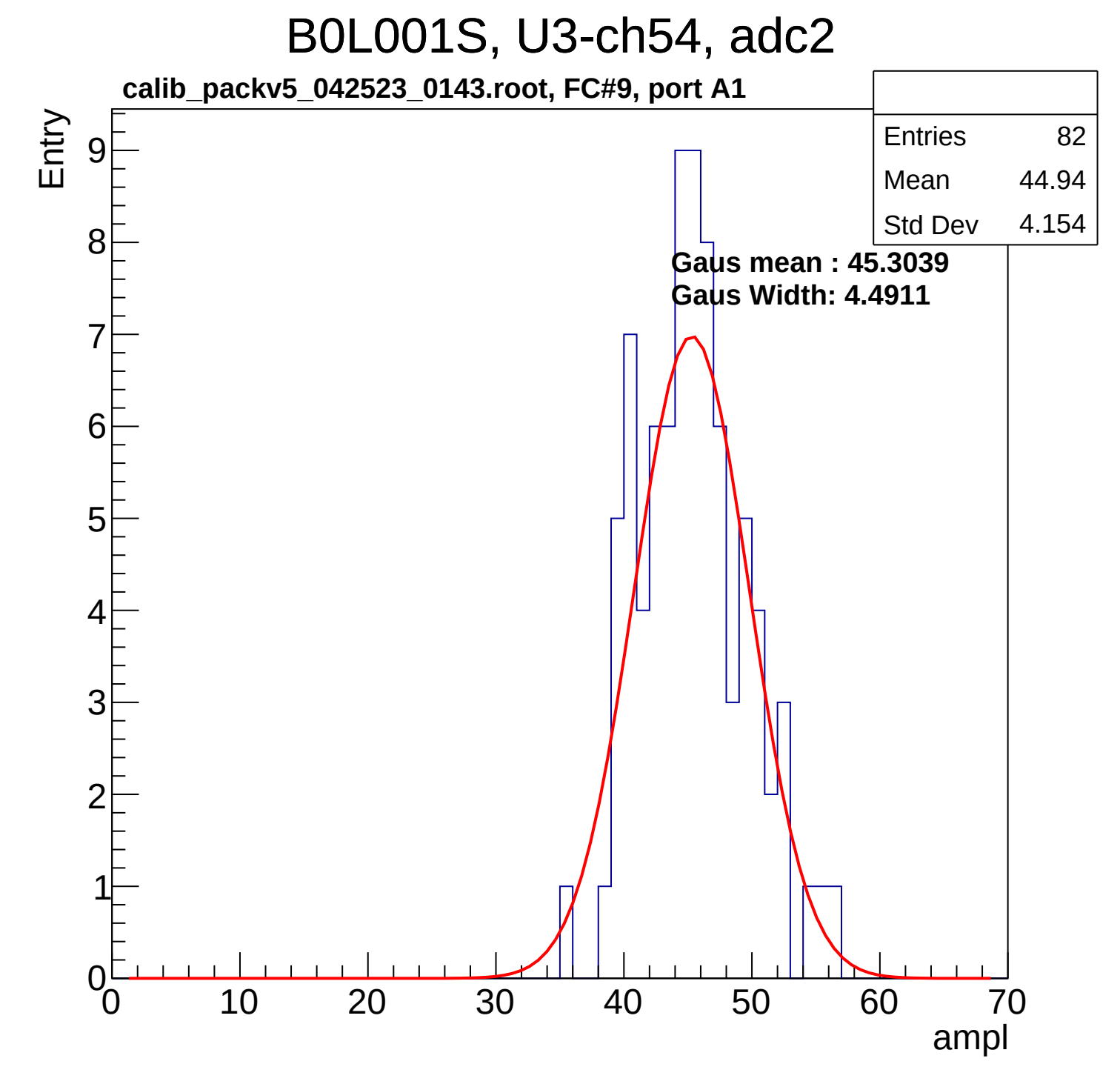
B0L001S, U3-ch54, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 44.94
Std Dev 4.154
Gaus mean : 45.3039
Gaus Width: 4.4911
Entry
ampl
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2
3
4
5
6
7
8
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0
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60
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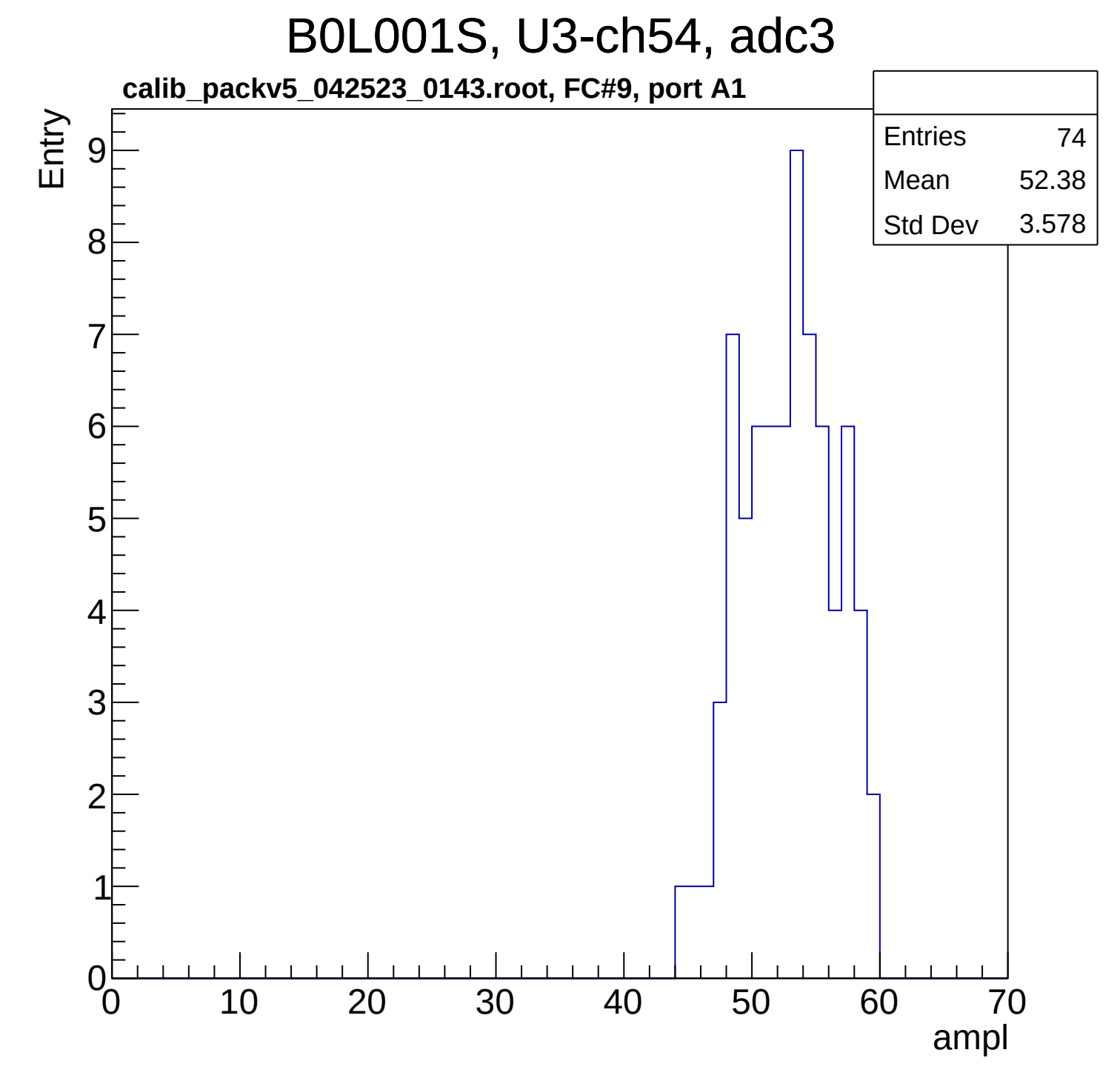
B0L001S, U3-ch54, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 52.38
Std Dev 3.578
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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40
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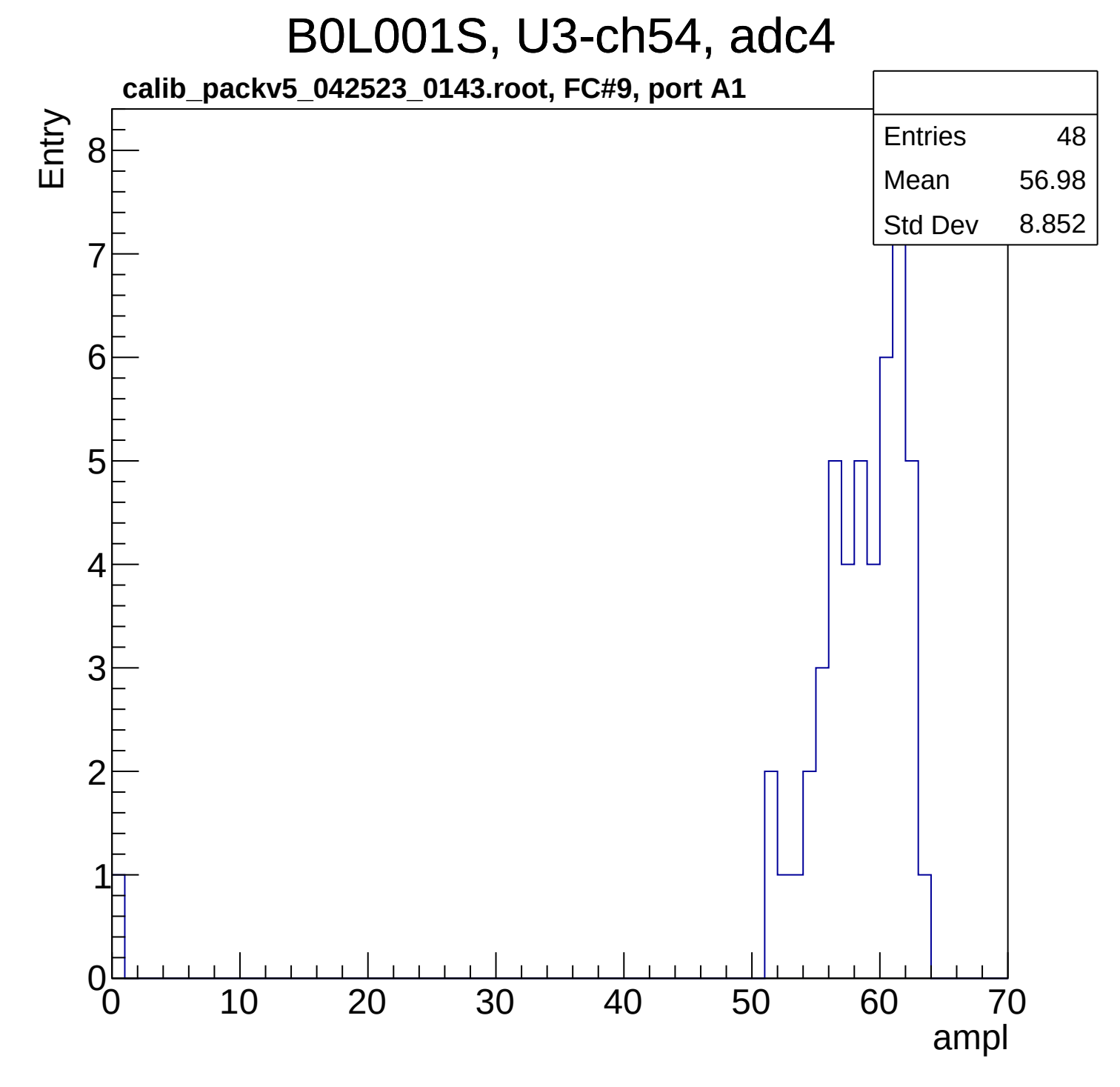
B0L001S, U3-ch54, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 56.98
Std Dev 8.852
Entry
ampl
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1
2
3
4
5
6
7
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0
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20
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40
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60
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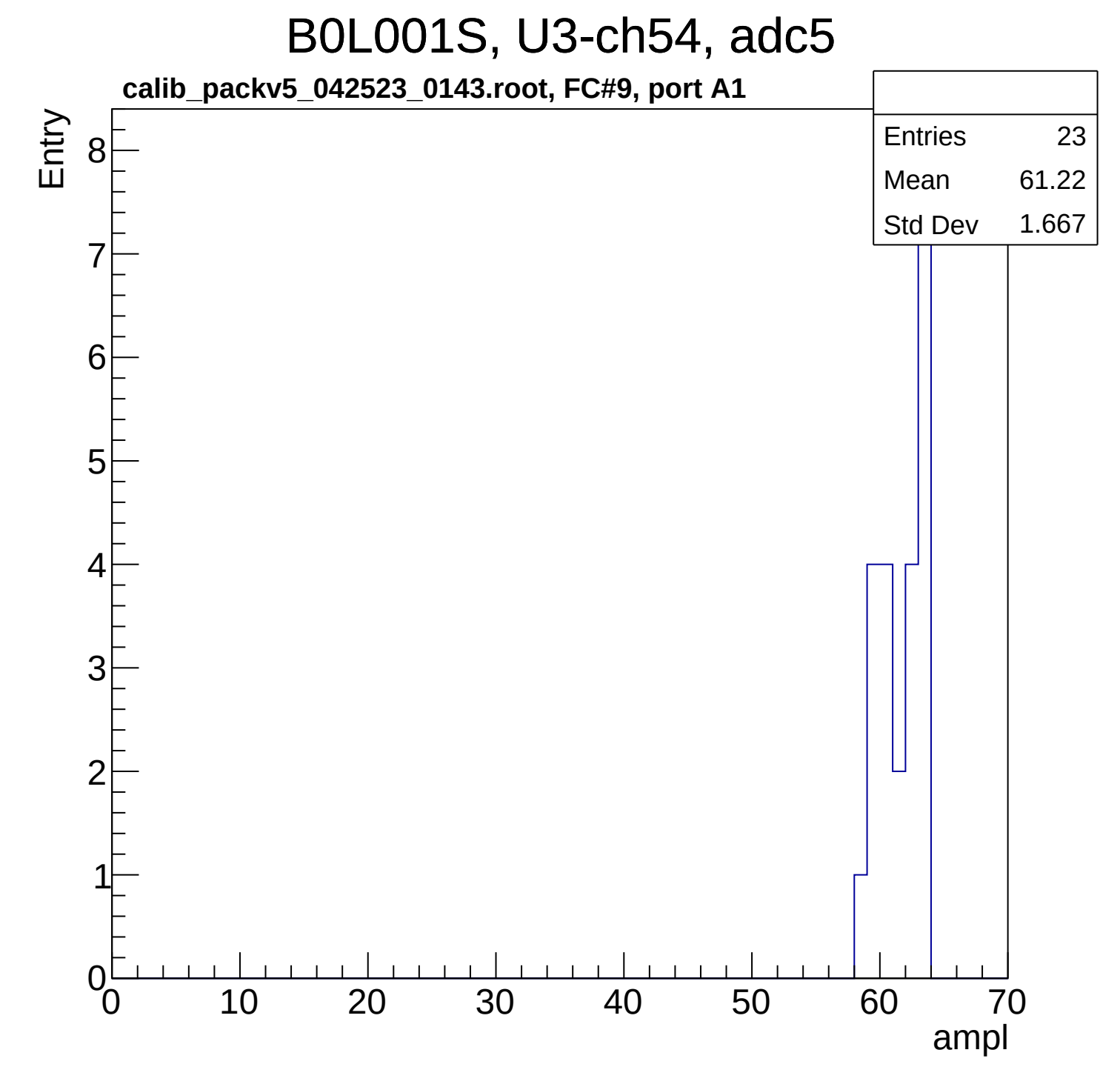
B0L001S, U3-ch54, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 23
Mean 61.22
Std Dev 1.667
Entry
ampl
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1
2
3
4
5
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7
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0
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40
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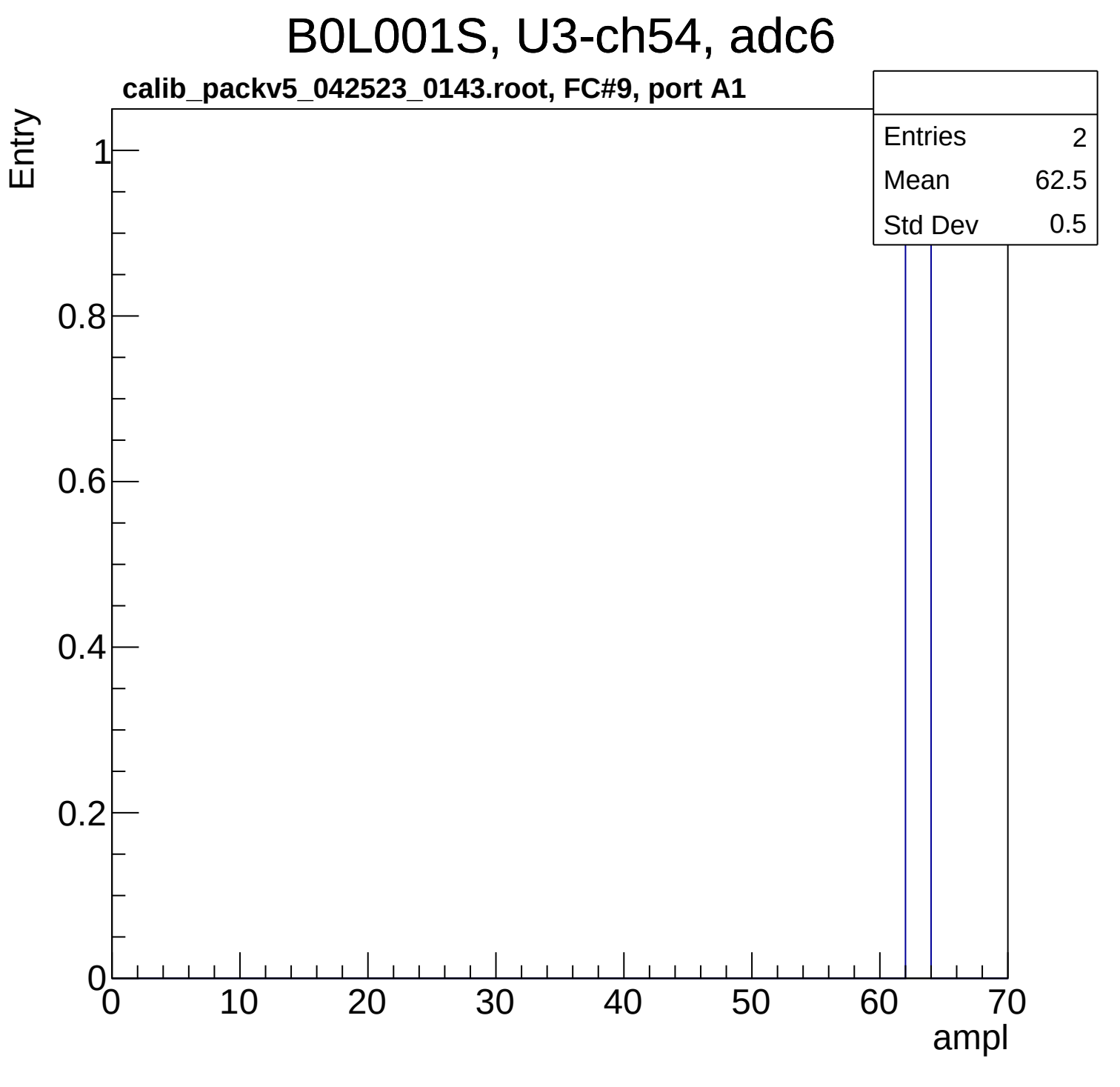
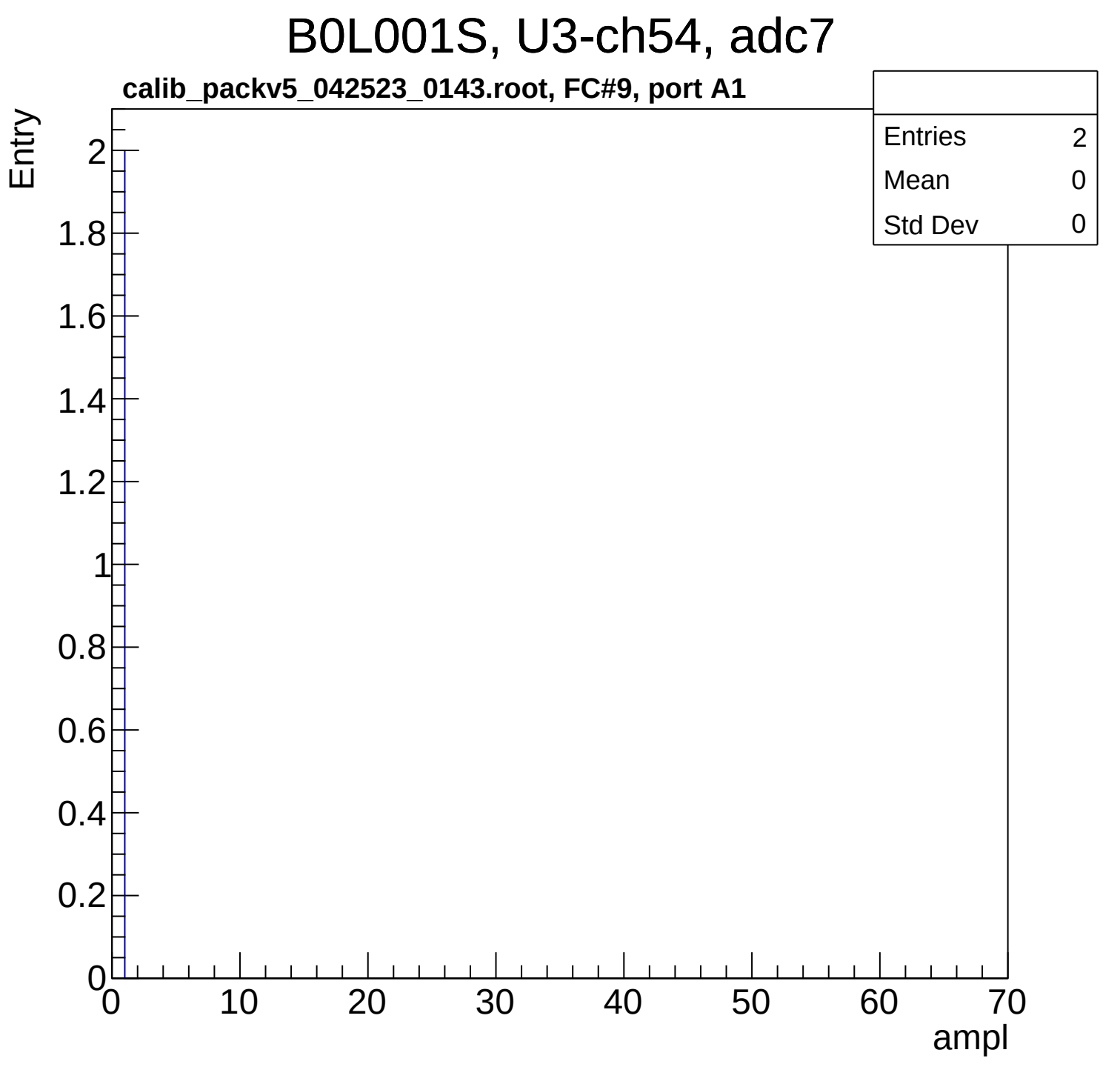
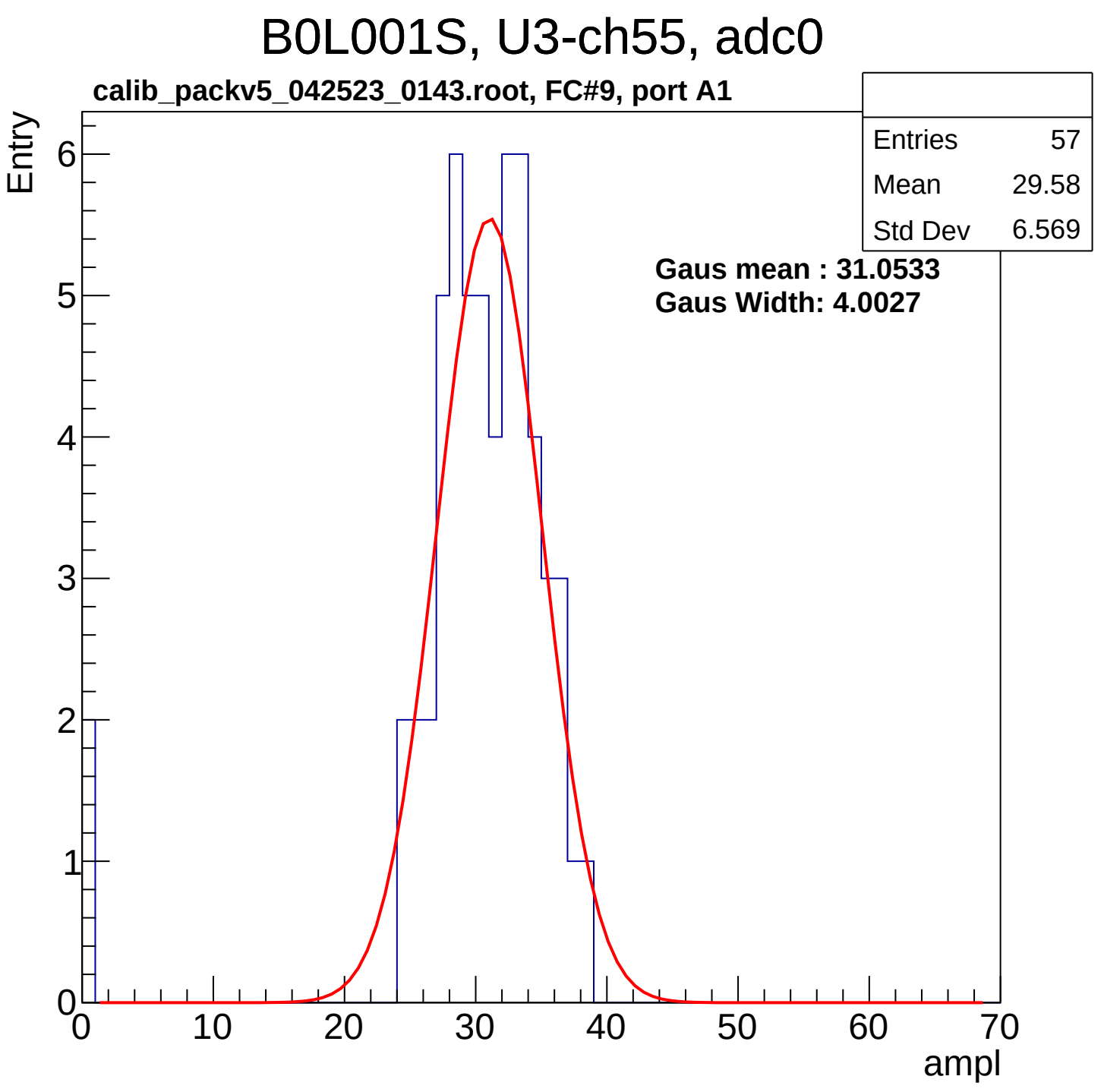
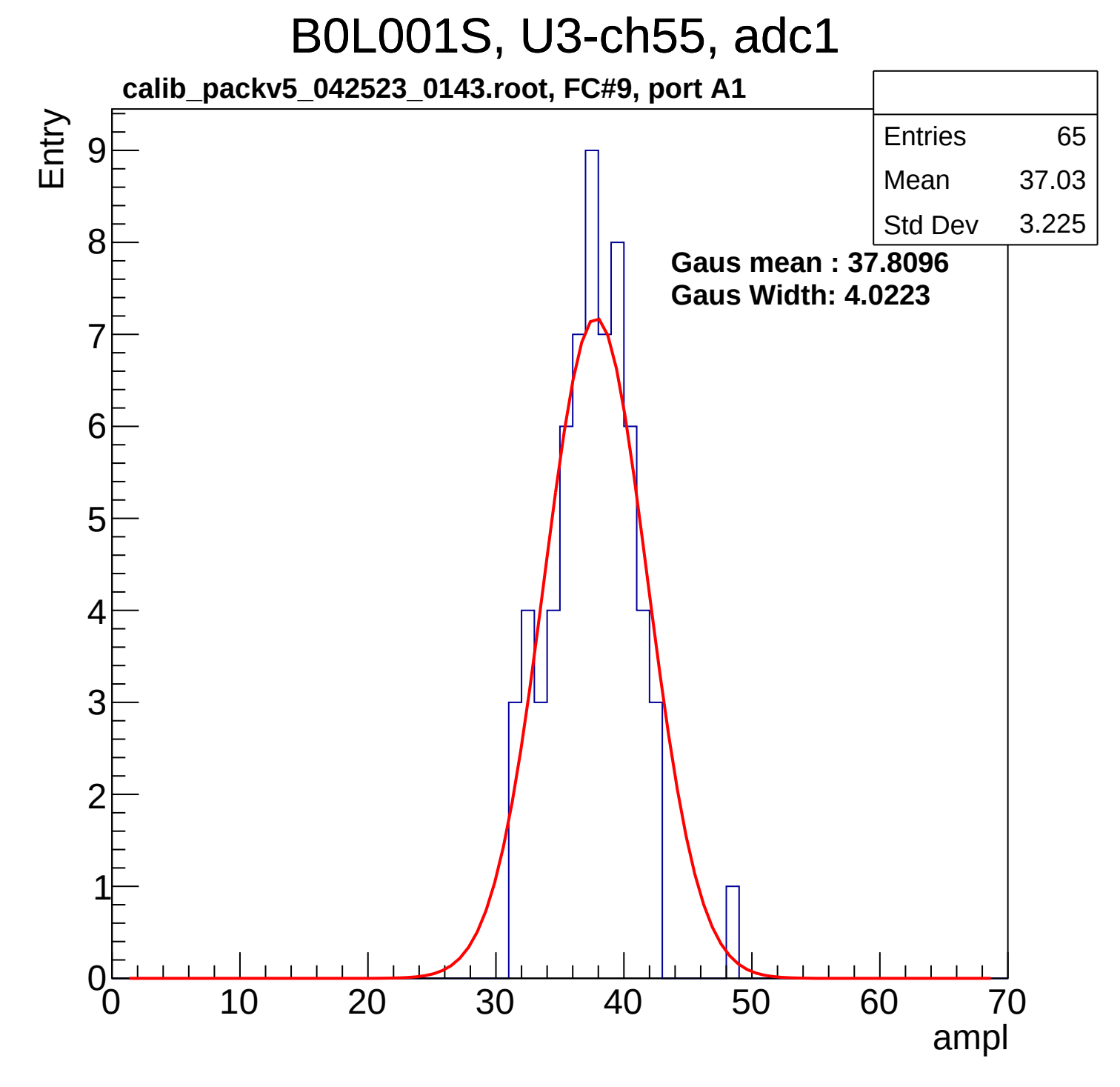
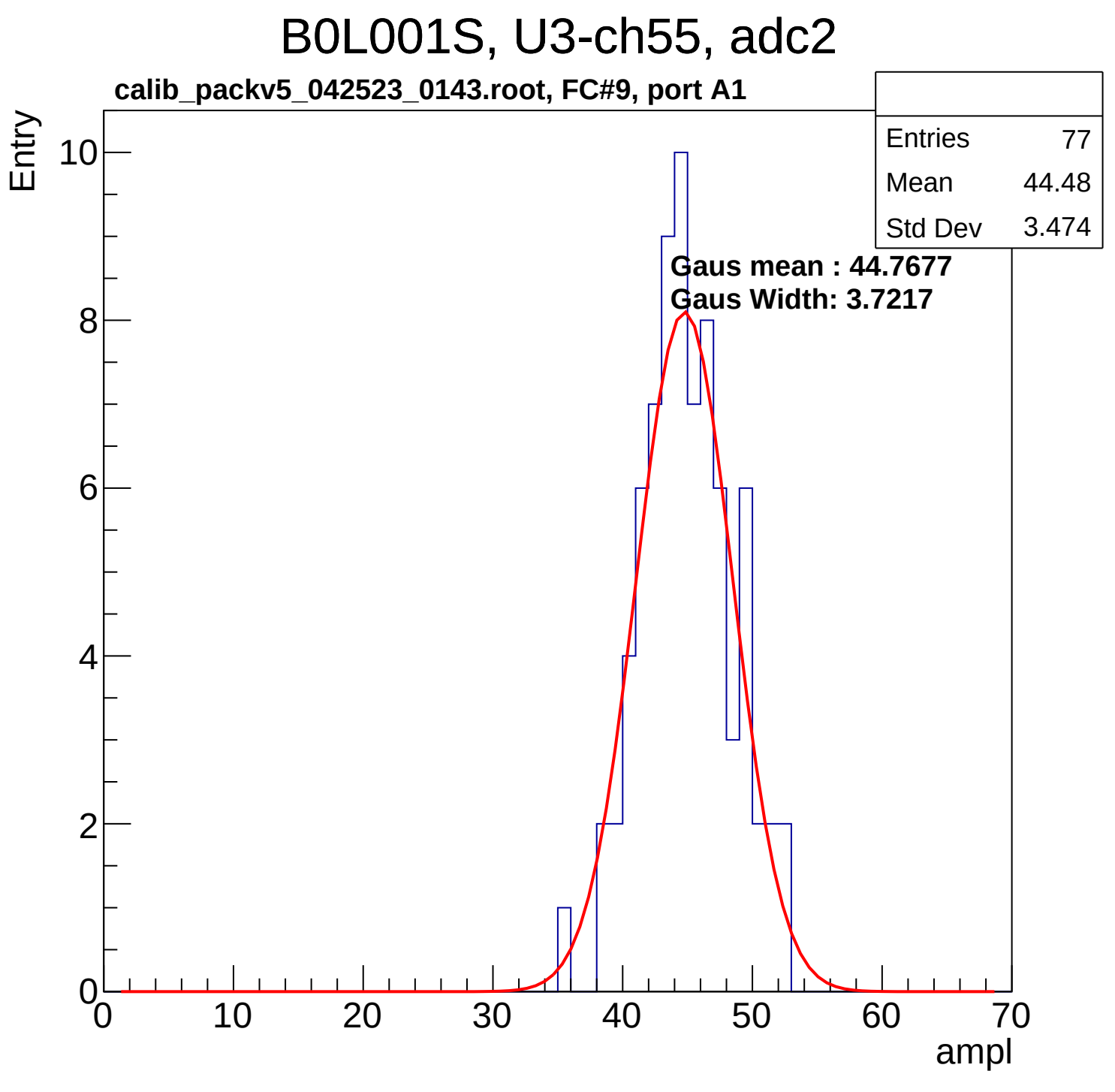
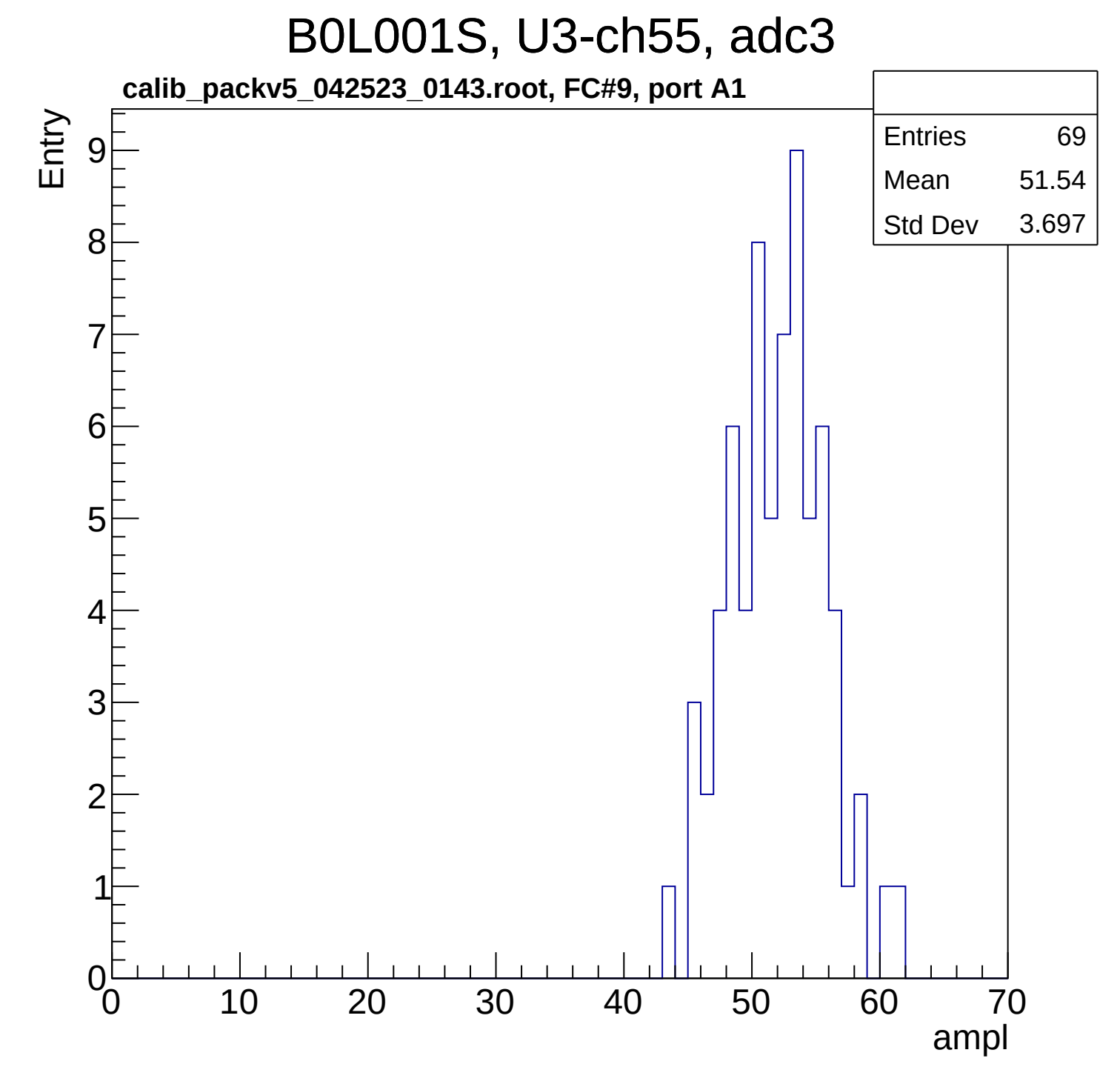

B0L001S, U3-ch54, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62.5
Std Dev 0.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch54, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch55, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 29.58
Std Dev 6.569
Gaus mean : 31.0533
Gaus Width: 4.0027
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch55, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 37.03
Std Dev 3.225
Gaus mean : 37.8096
Gaus Width: 4.0223
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch55, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 44.48
Std Dev 3.474
Gaus mean : 44.7677
Gaus Width: 3.7217
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch55, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 51.54
Std Dev 3.697
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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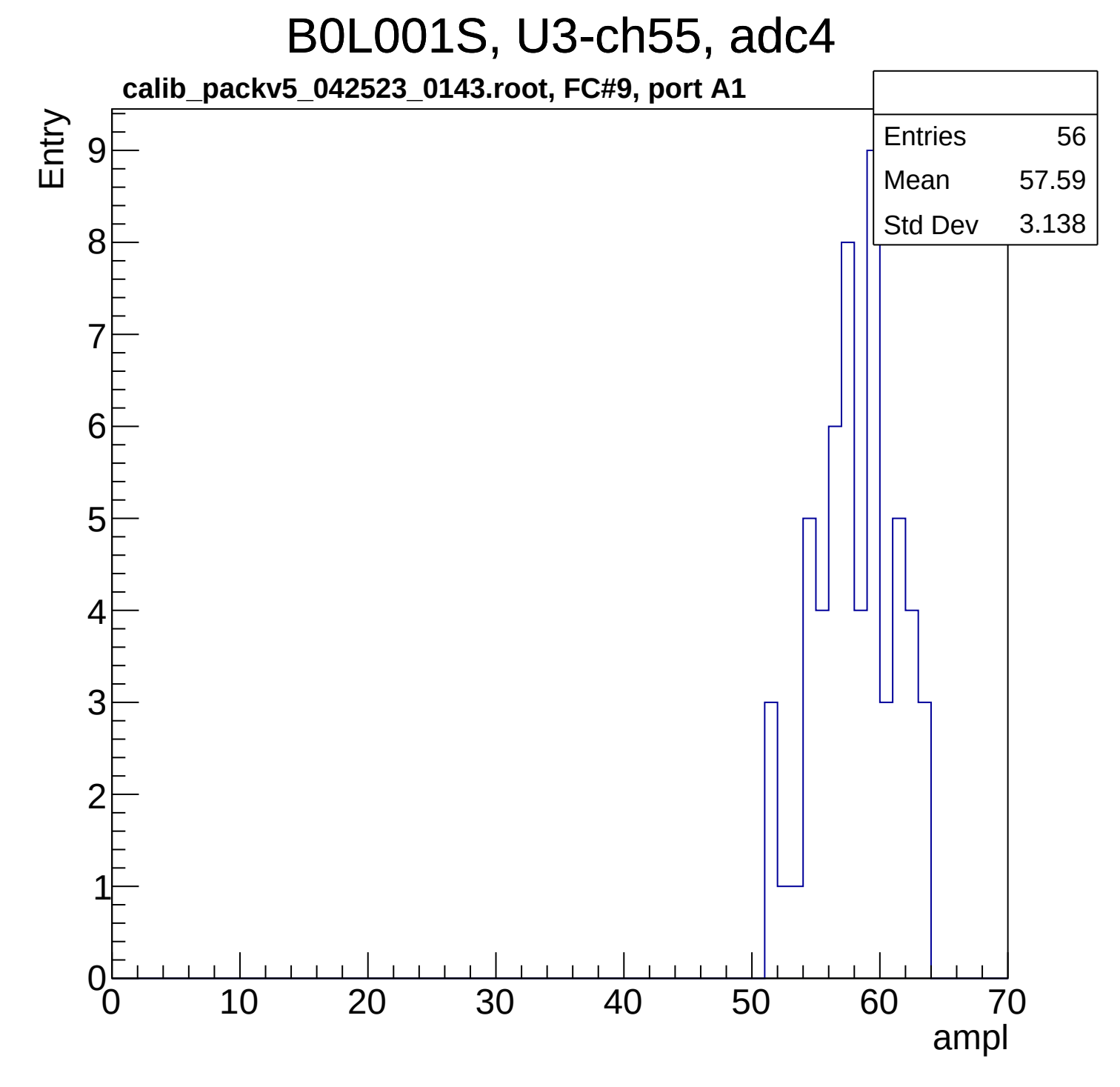
B0L001S, U3-ch55, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 57.59
Std Dev 3.138
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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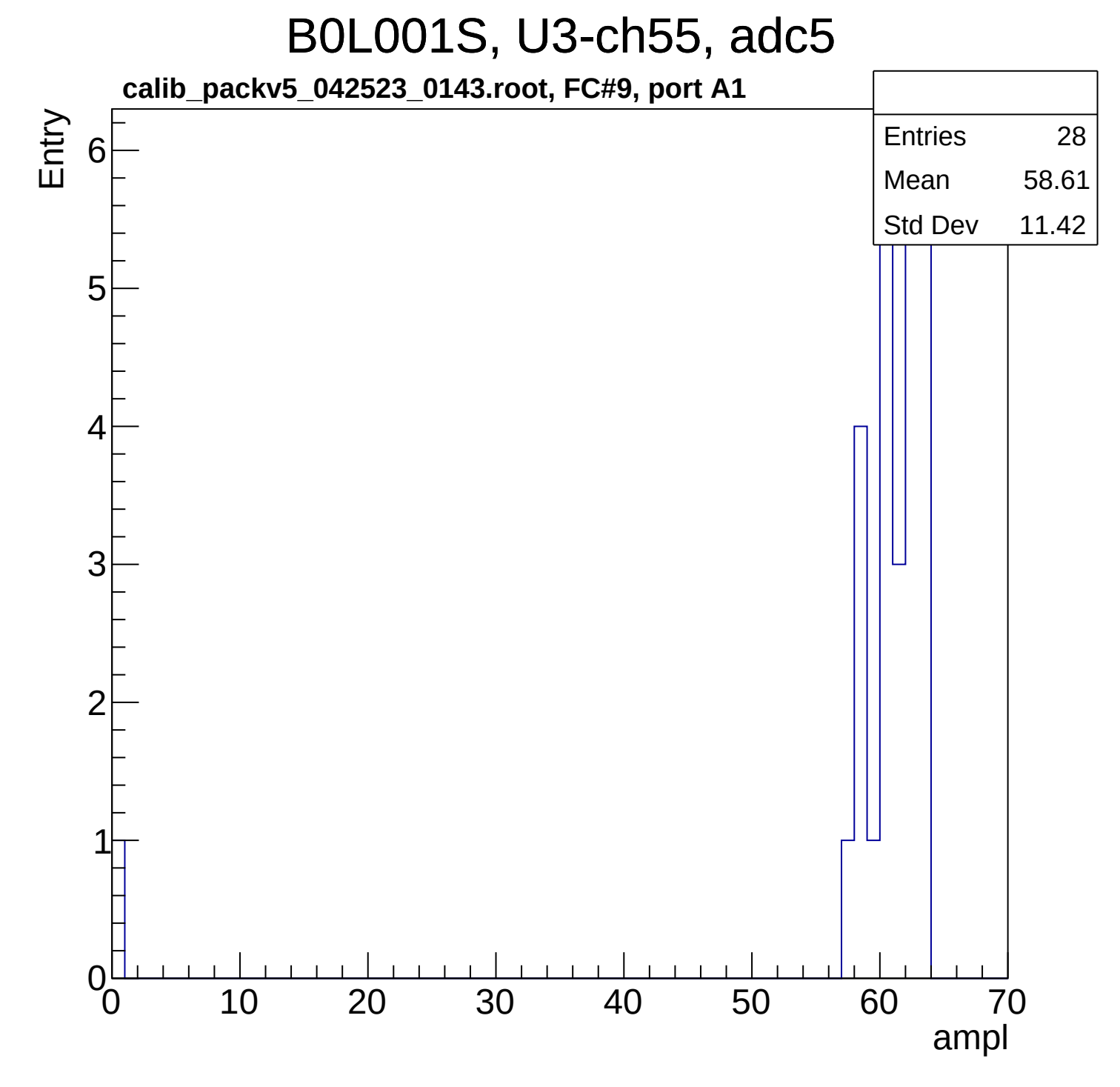
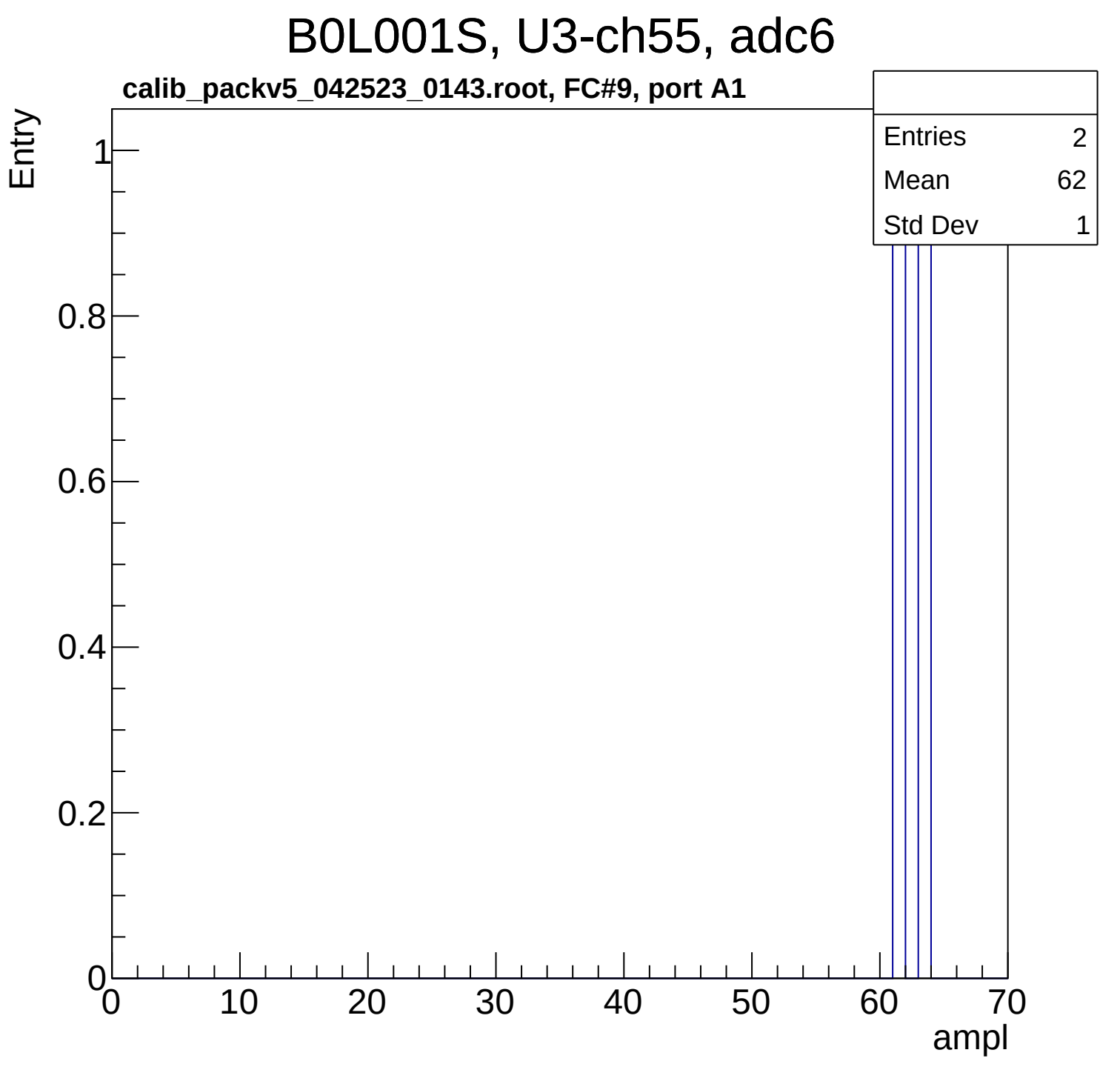
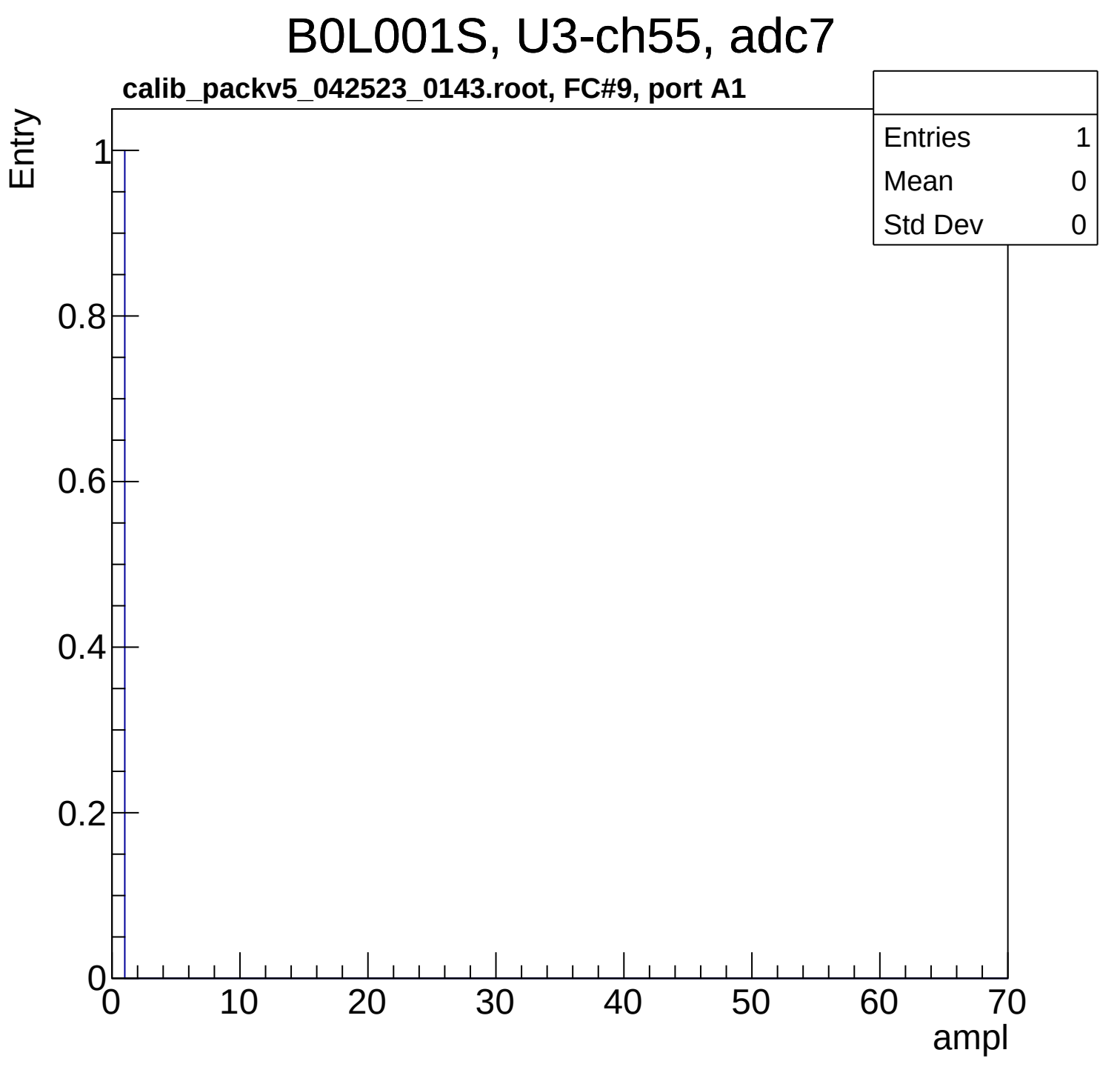
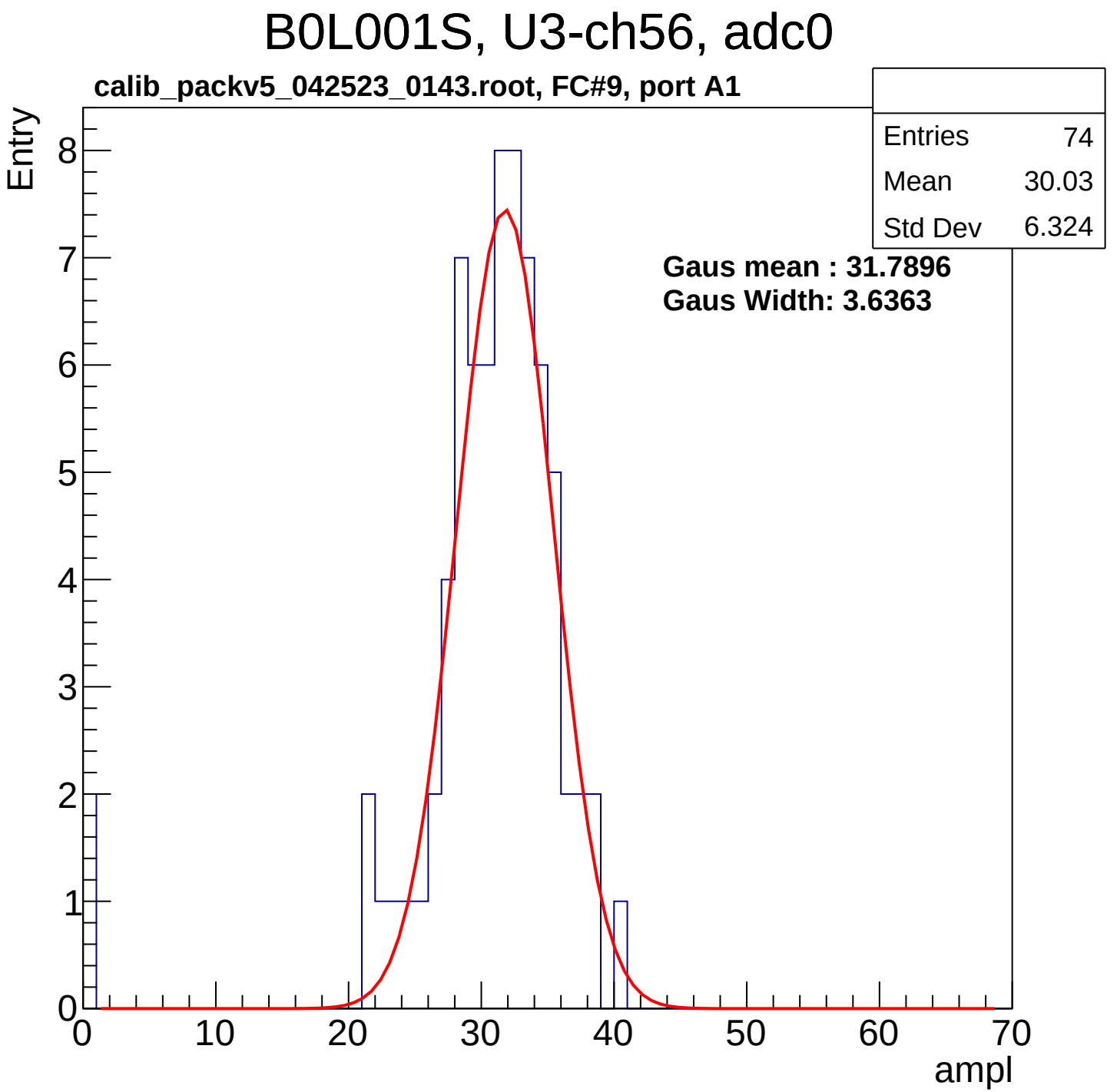

B0L001S, U3-ch55, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 28
Mean 58.61
Std Dev 11.42
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch55, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62
Std Dev 1
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch55, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch56, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 30.03
Std Dev 6.324
Gaus mean : 31.7896
Gaus Width: 3.6363
Entry
ampl
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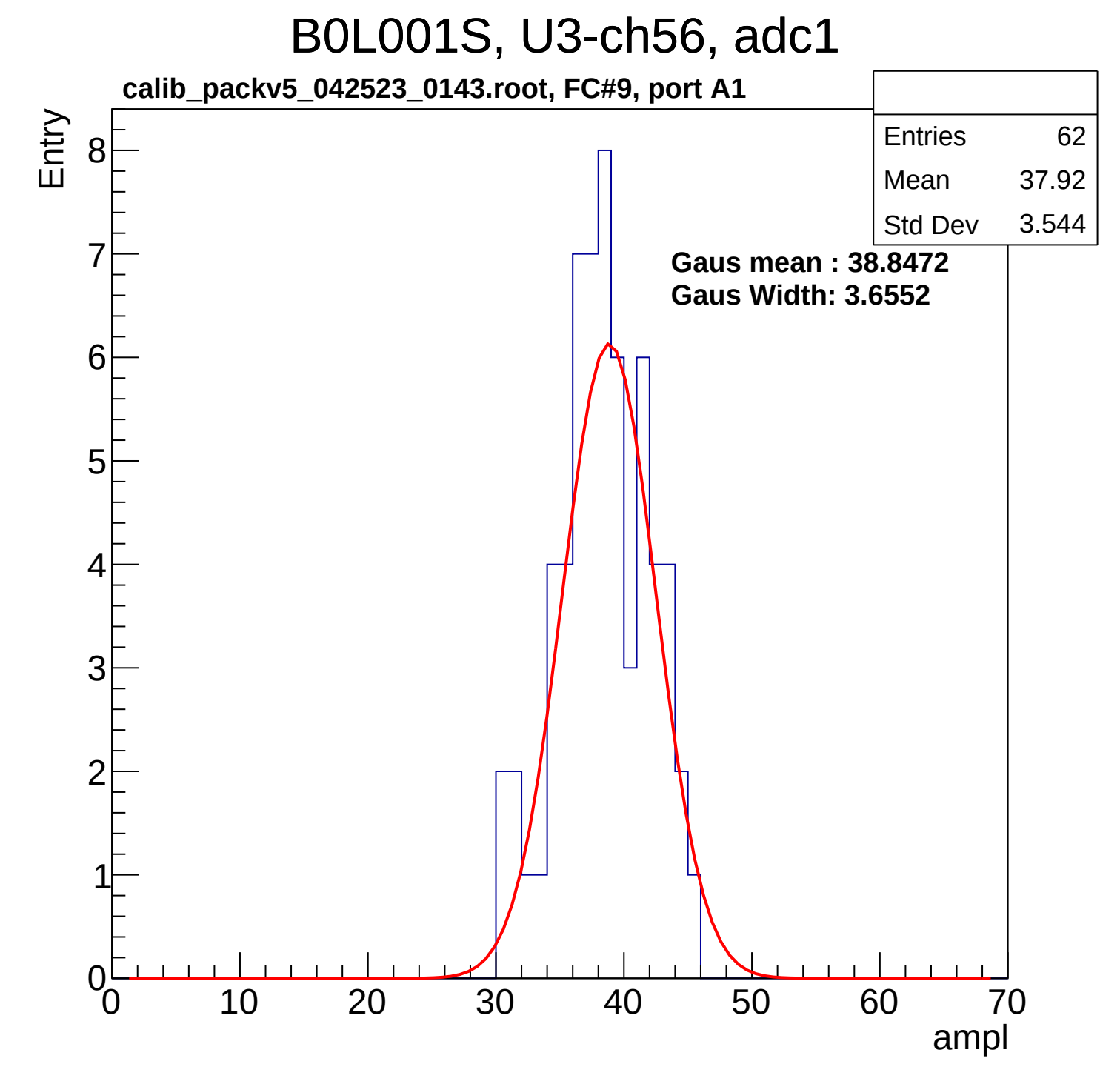
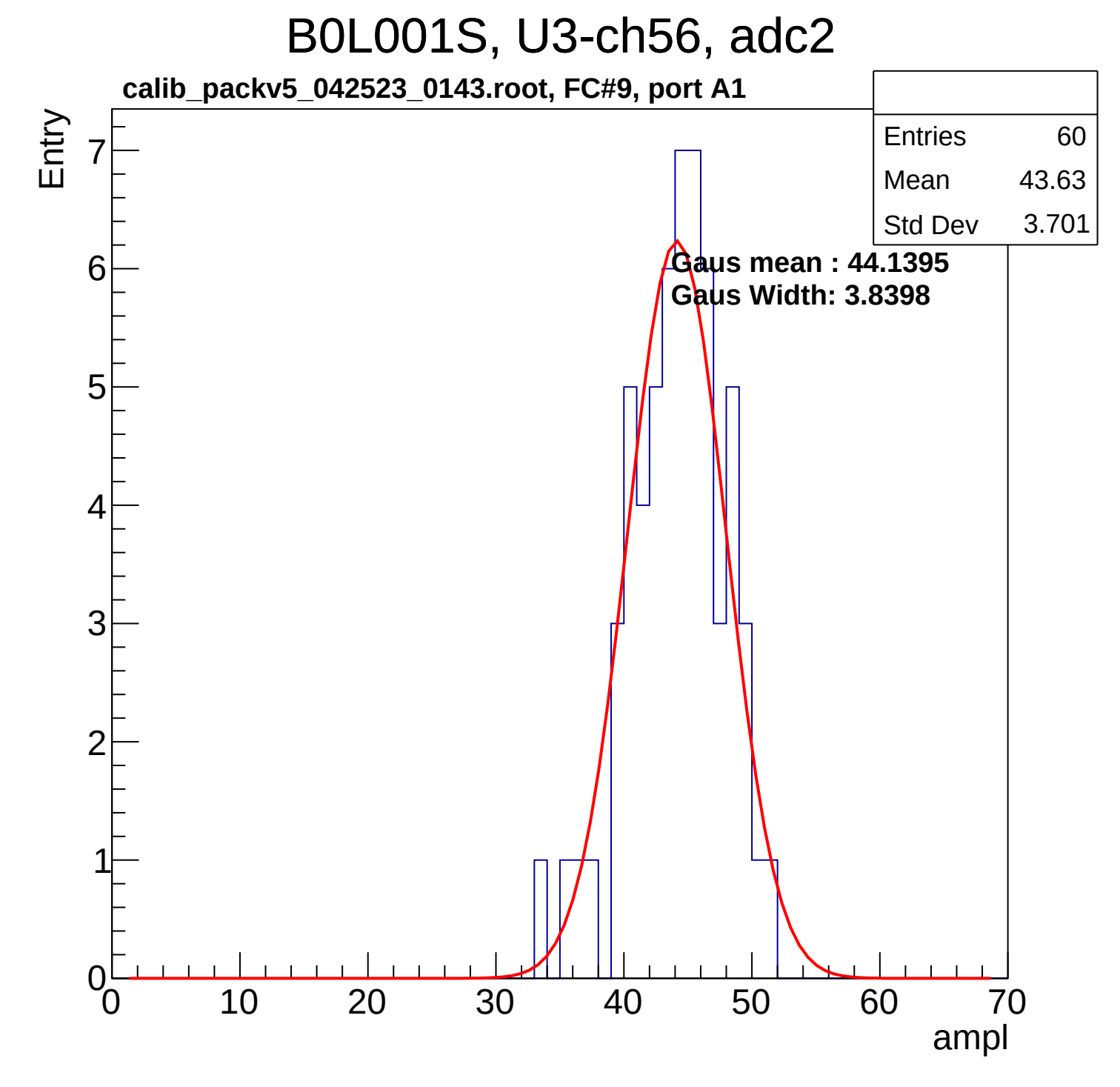
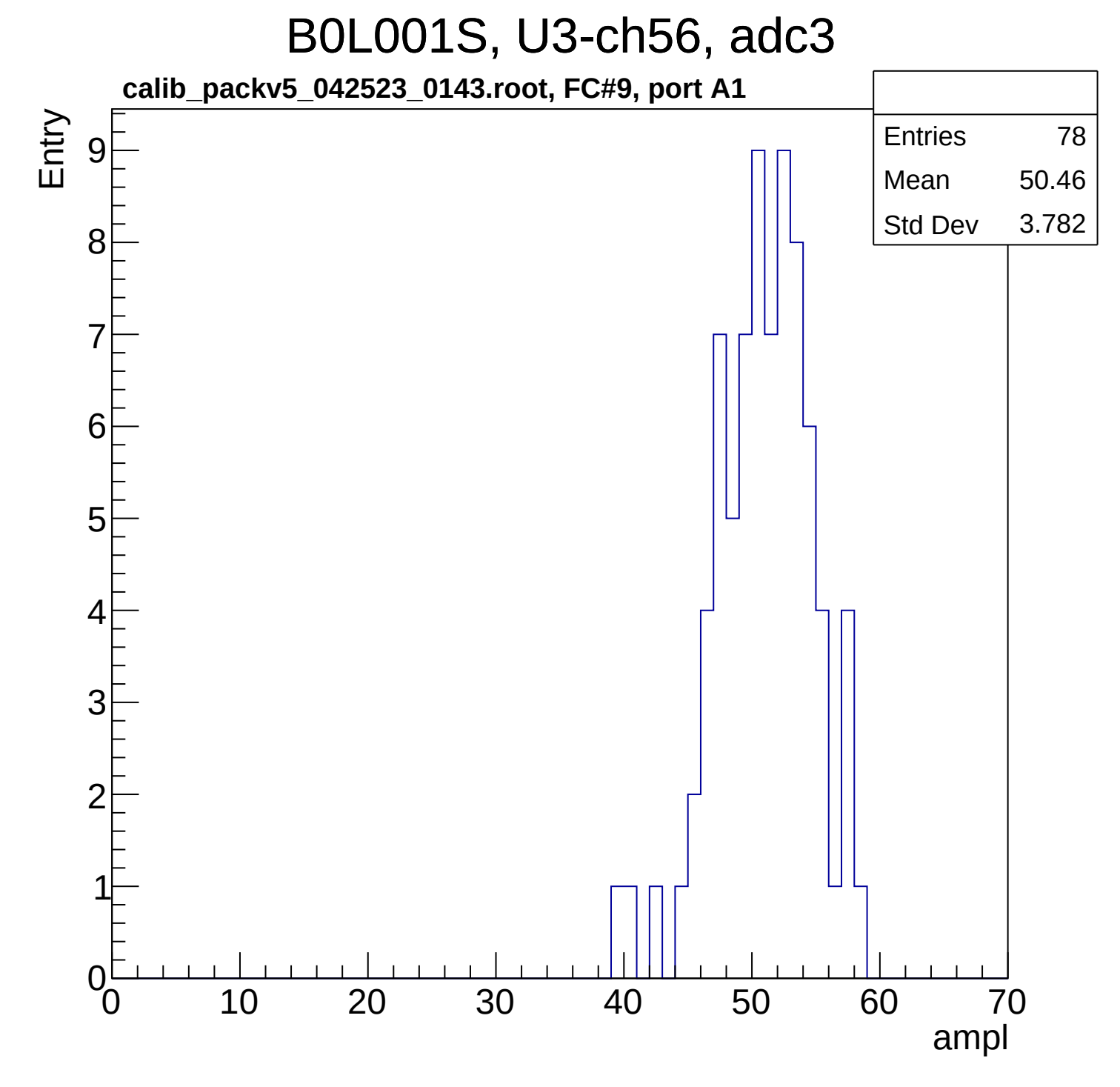
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch56, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 37.92
Std Dev 3.544
Gaus mean : 38.8472
Gaus Width: 3.6552
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch56, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 43.63
Std Dev 3.701
Gaus mean : 44.1395
Gaus Width: 3.8398
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch56, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 50.46
Std Dev 3.782
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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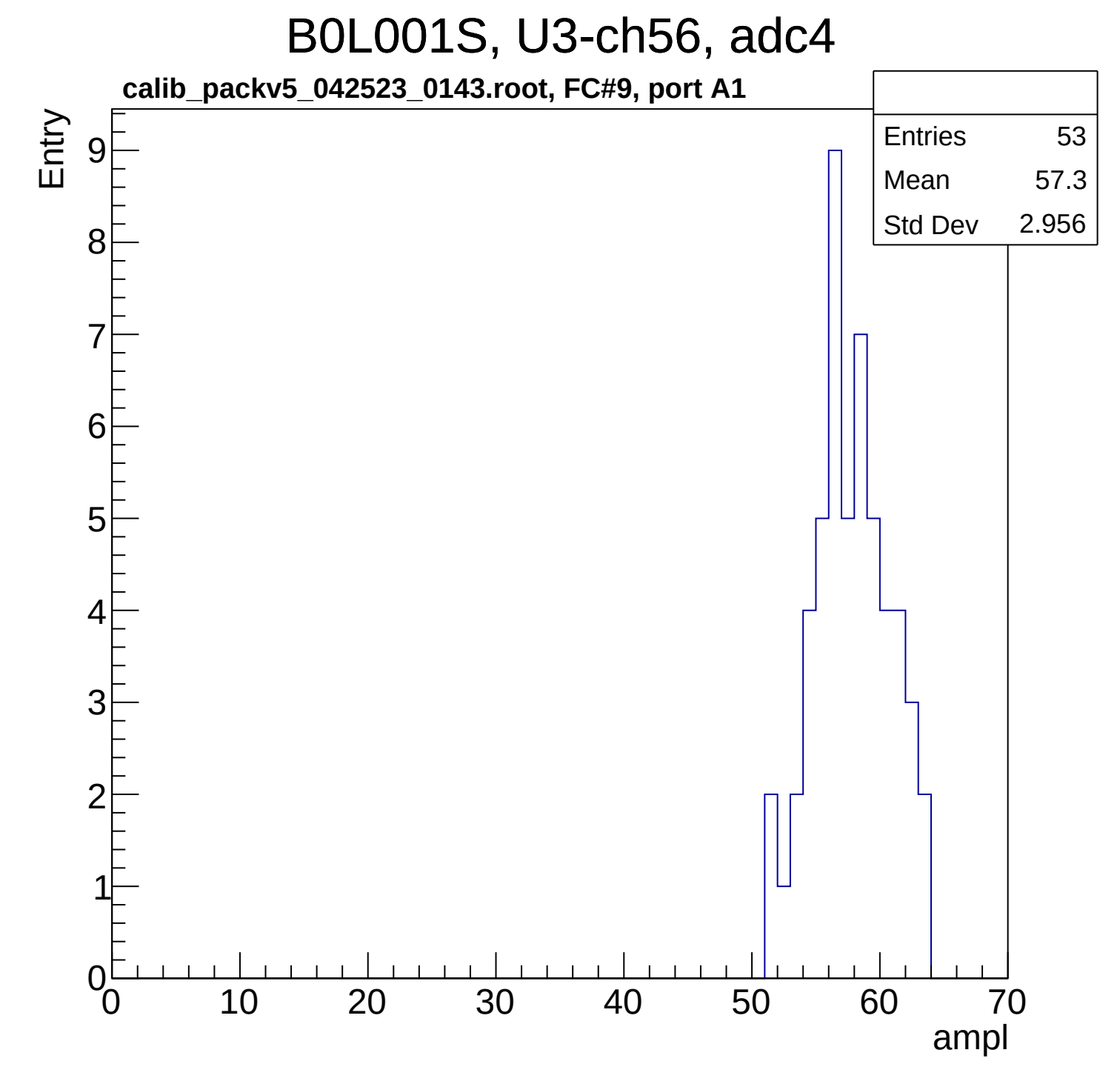
B0L001S, U3-ch56, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 57.3
Std Dev 2.956
Entry
ampl
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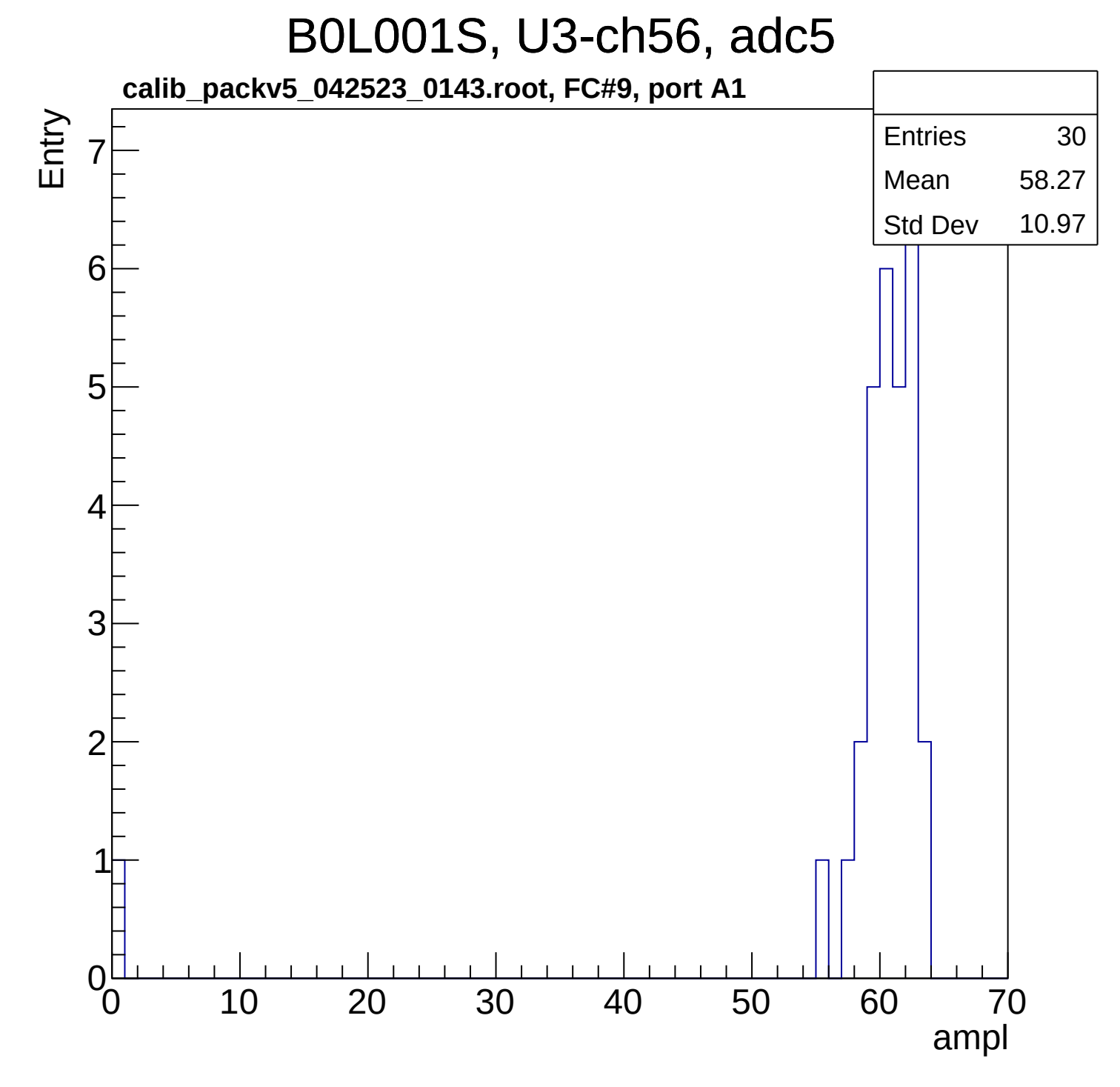
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch56, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 30
Mean 58.27
Std Dev 10.97
Entry
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1
2
3
4
5
6
7
0
10
20
30
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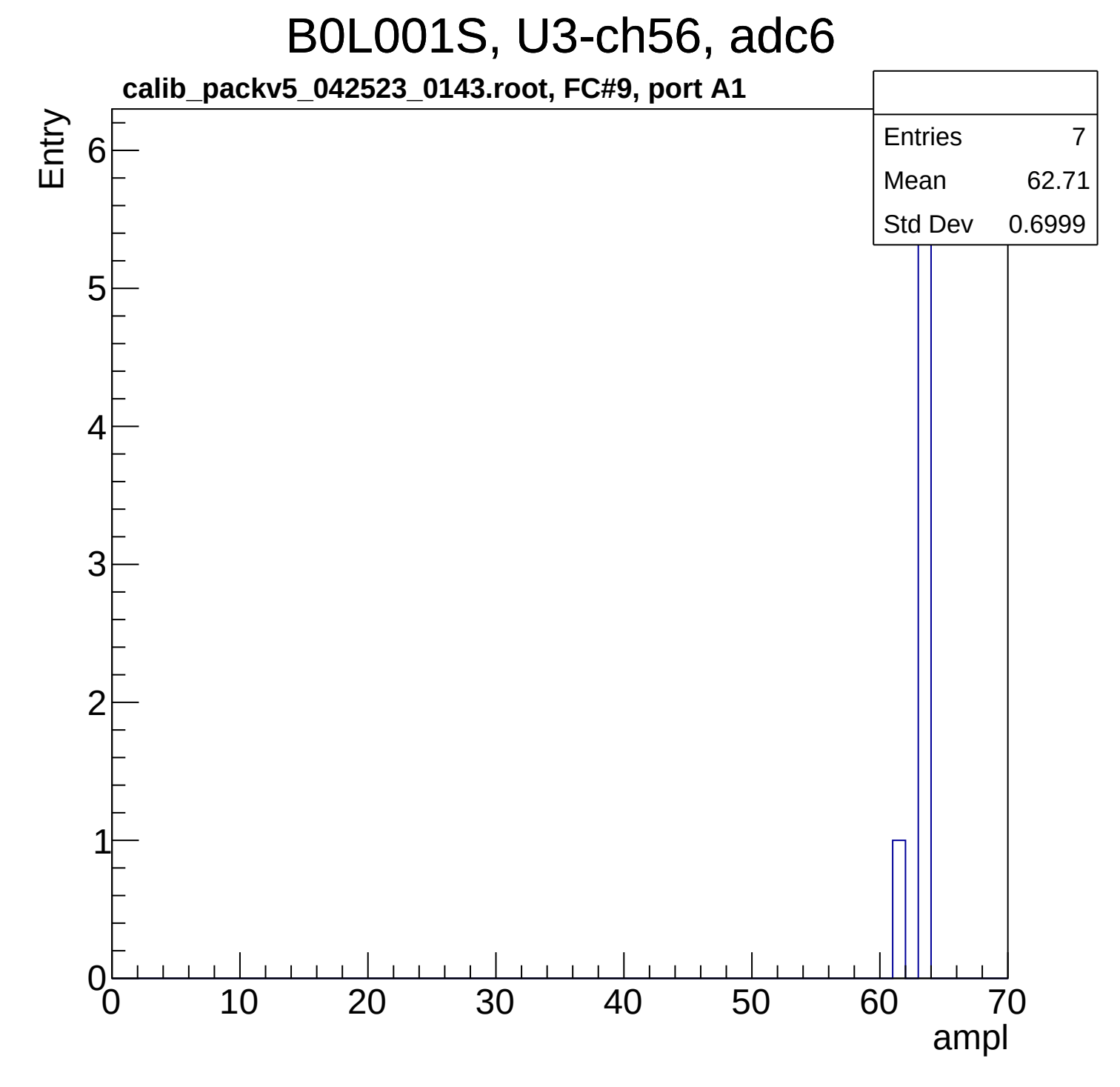
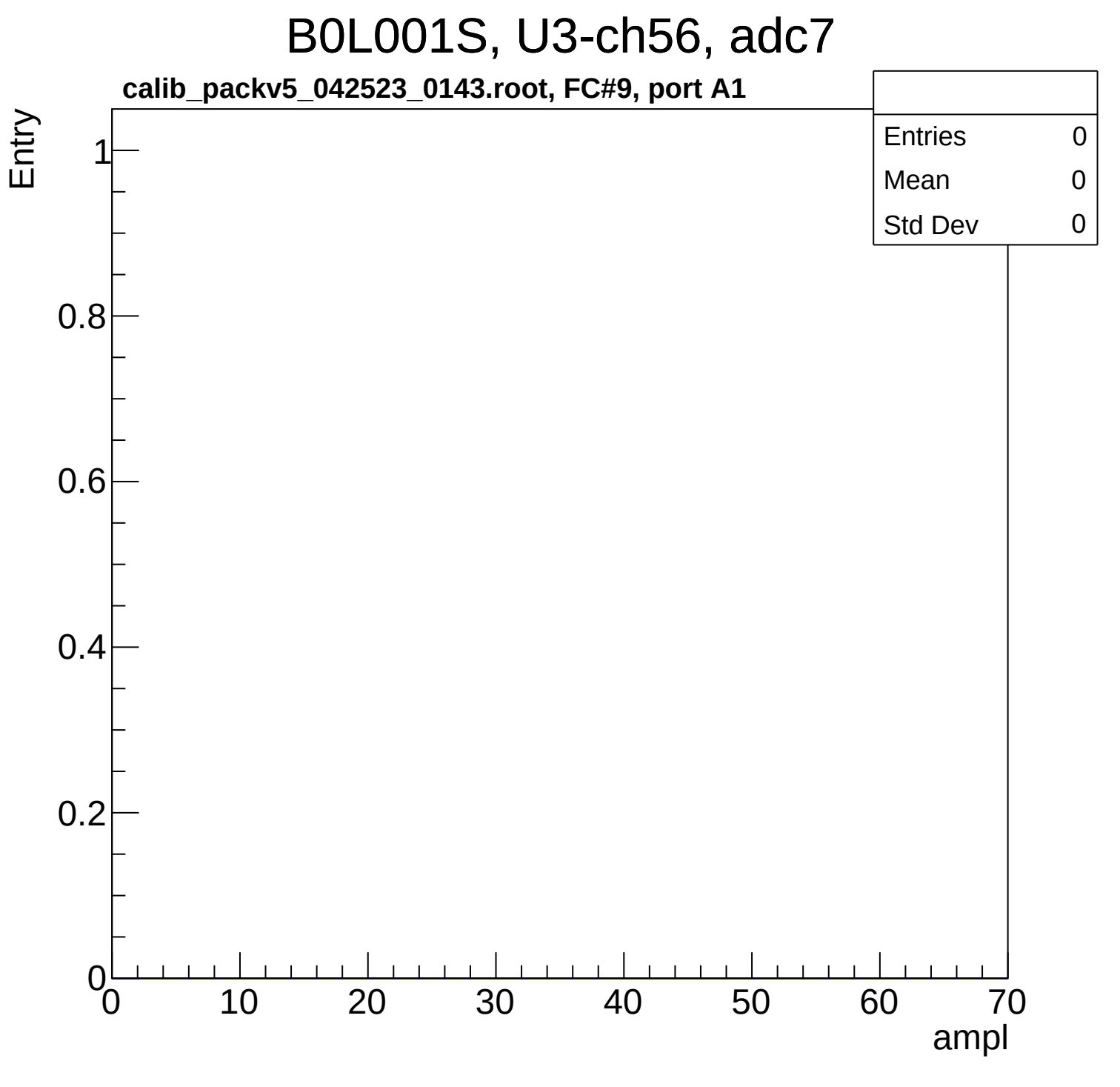
50
60
70
ampl


B0L001S, U3-ch56, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 62.71
Std Dev 0.6999
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch56, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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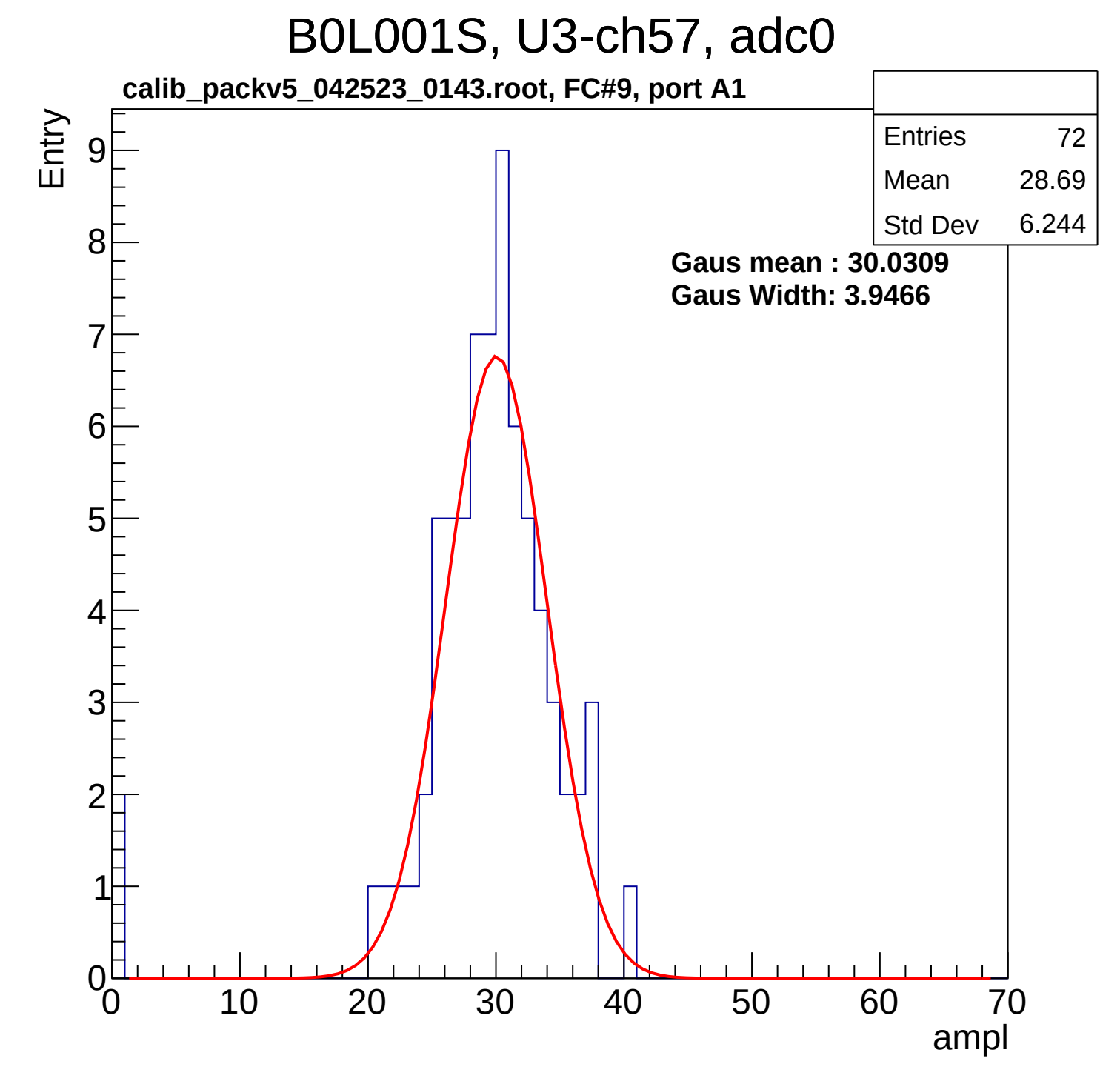
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch57, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 28.69
Std Dev 6.244
Gaus mean : 30.0309
Gaus Width: 3.9466
Entry
ampl
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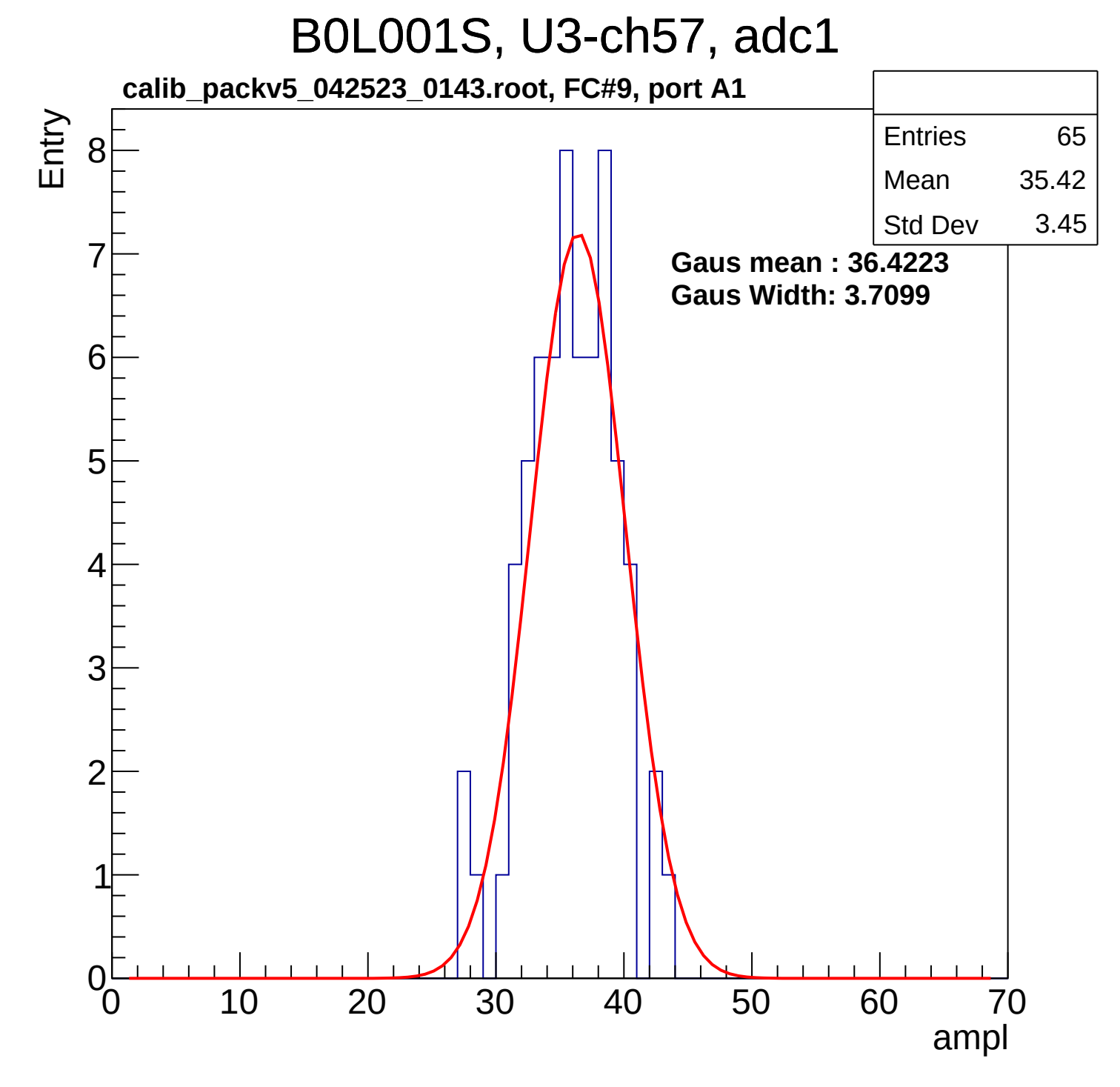
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch57, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 35.42
Std Dev 3.45
Gaus mean : 36.4223
Gaus Width: 3.7099
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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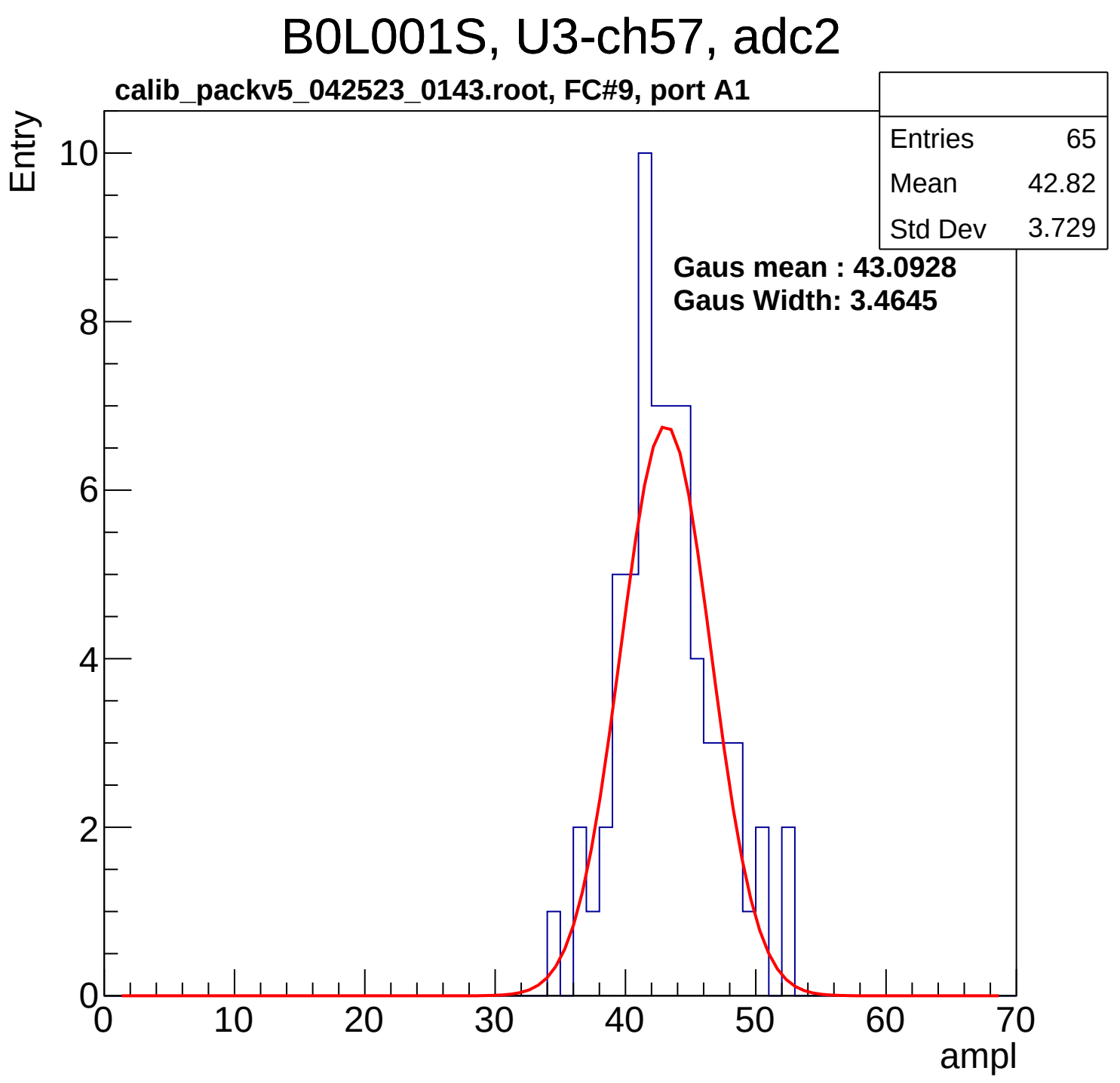
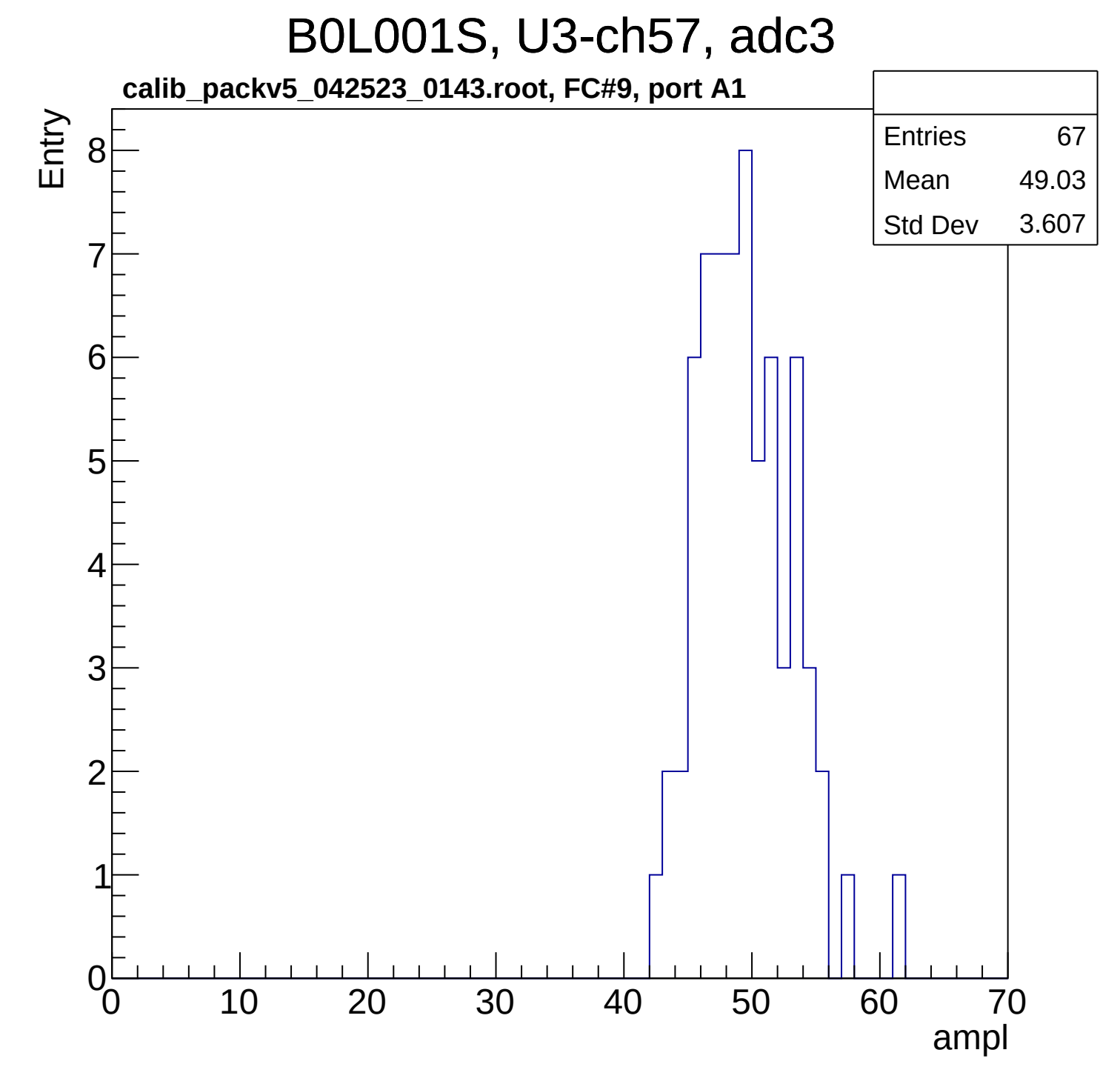

B0L001S, U3-ch57, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 42.82
Std Dev 3.729
Gaus mean : 43.0928
Gaus Width: 3.4645
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch57, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 49.03
Std Dev 3.607
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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50
60
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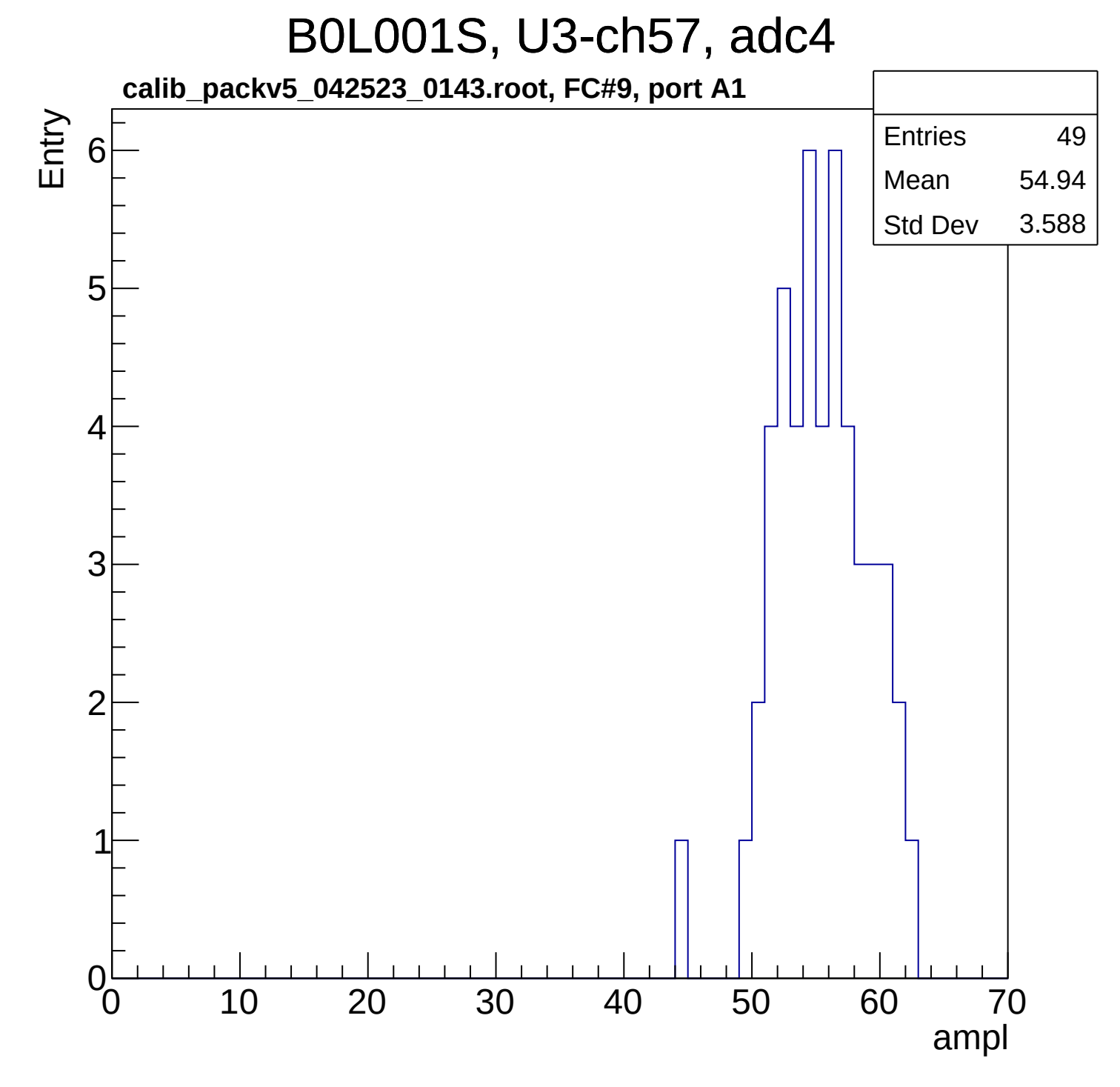
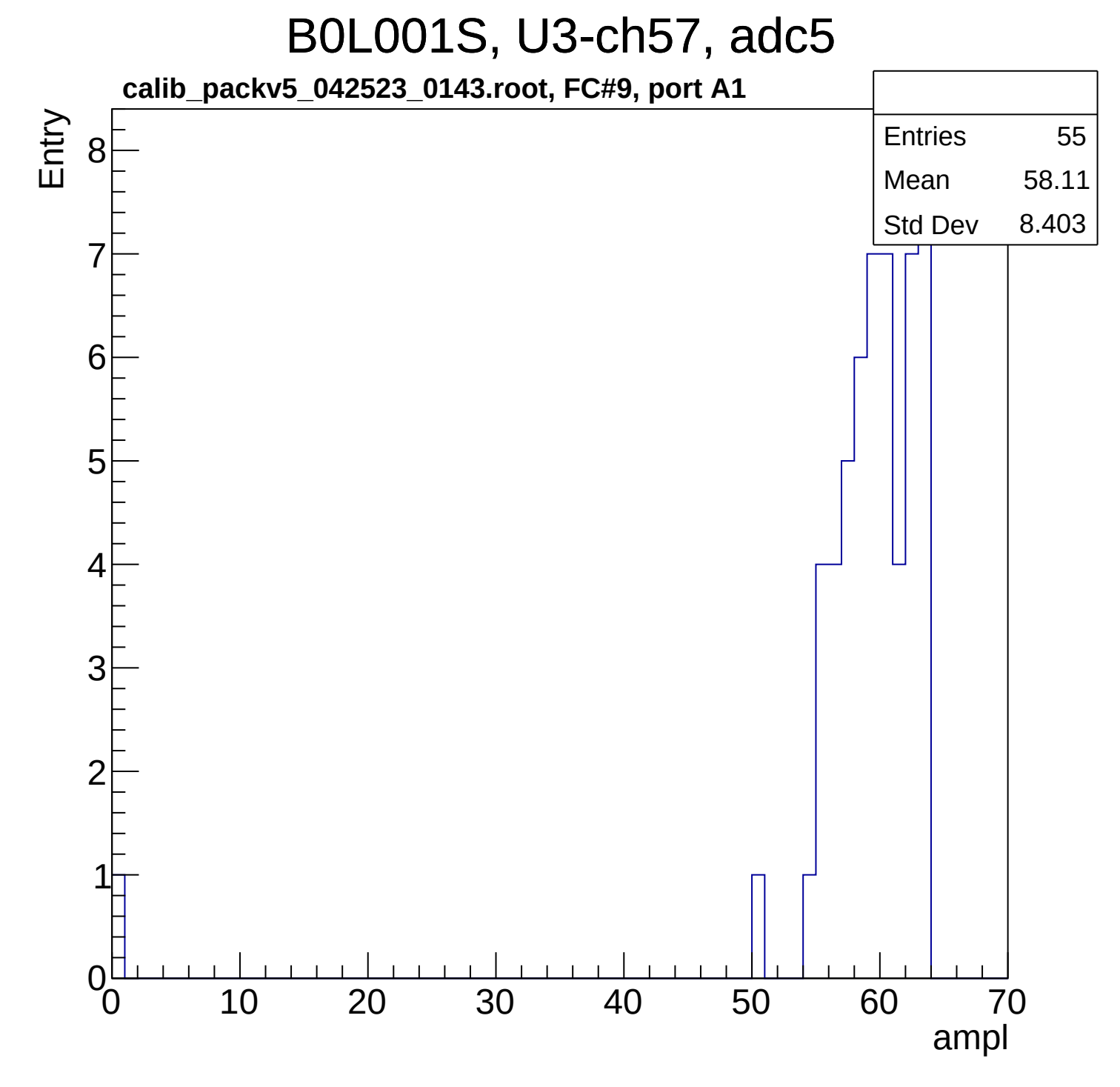

B0L001S, U3-ch57, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 54.94
Std Dev 3.588
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch57, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 58.11
Std Dev 8.403
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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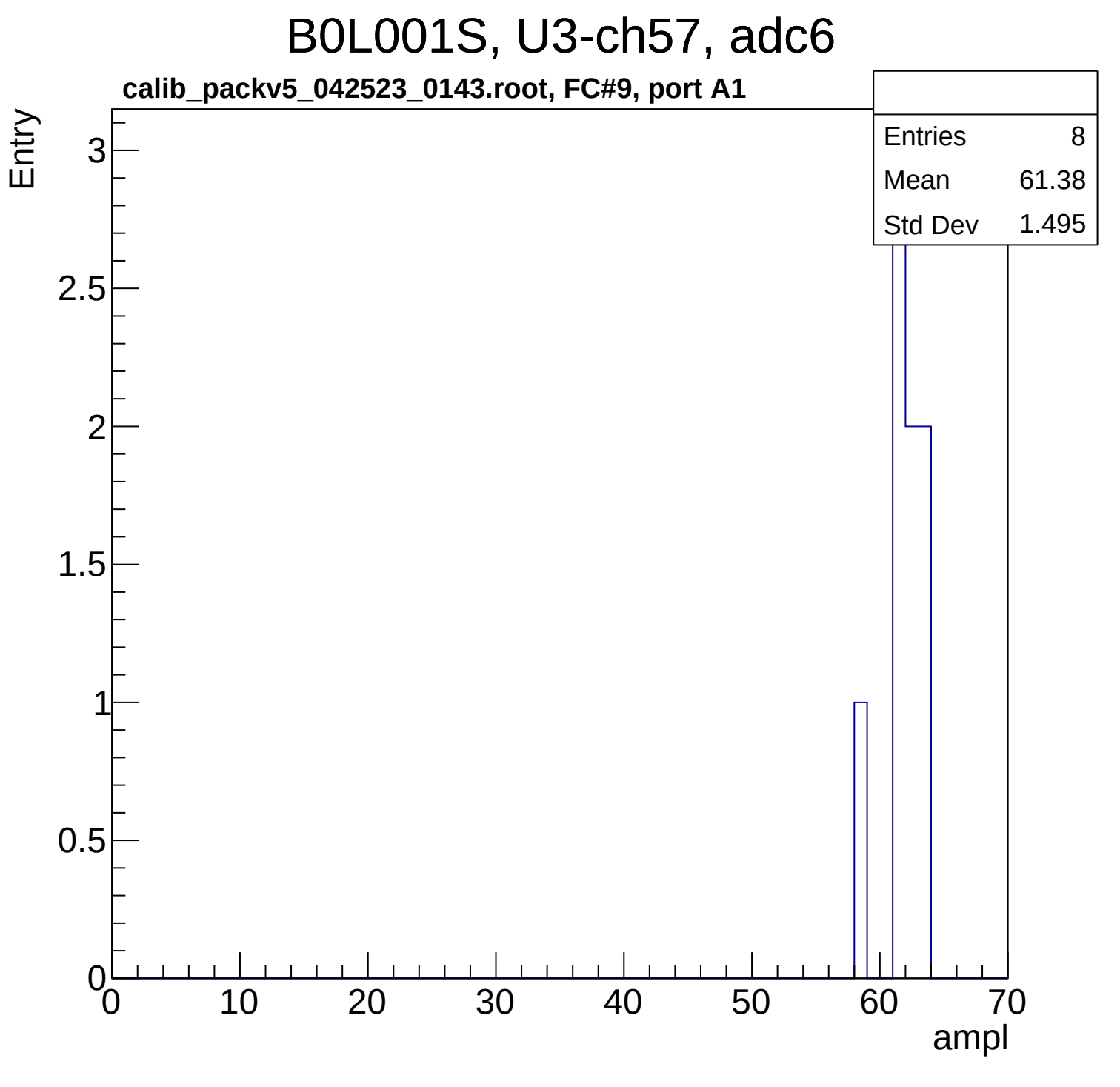
B0L001S, U3-ch57, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 61.38
Std Dev 1.495
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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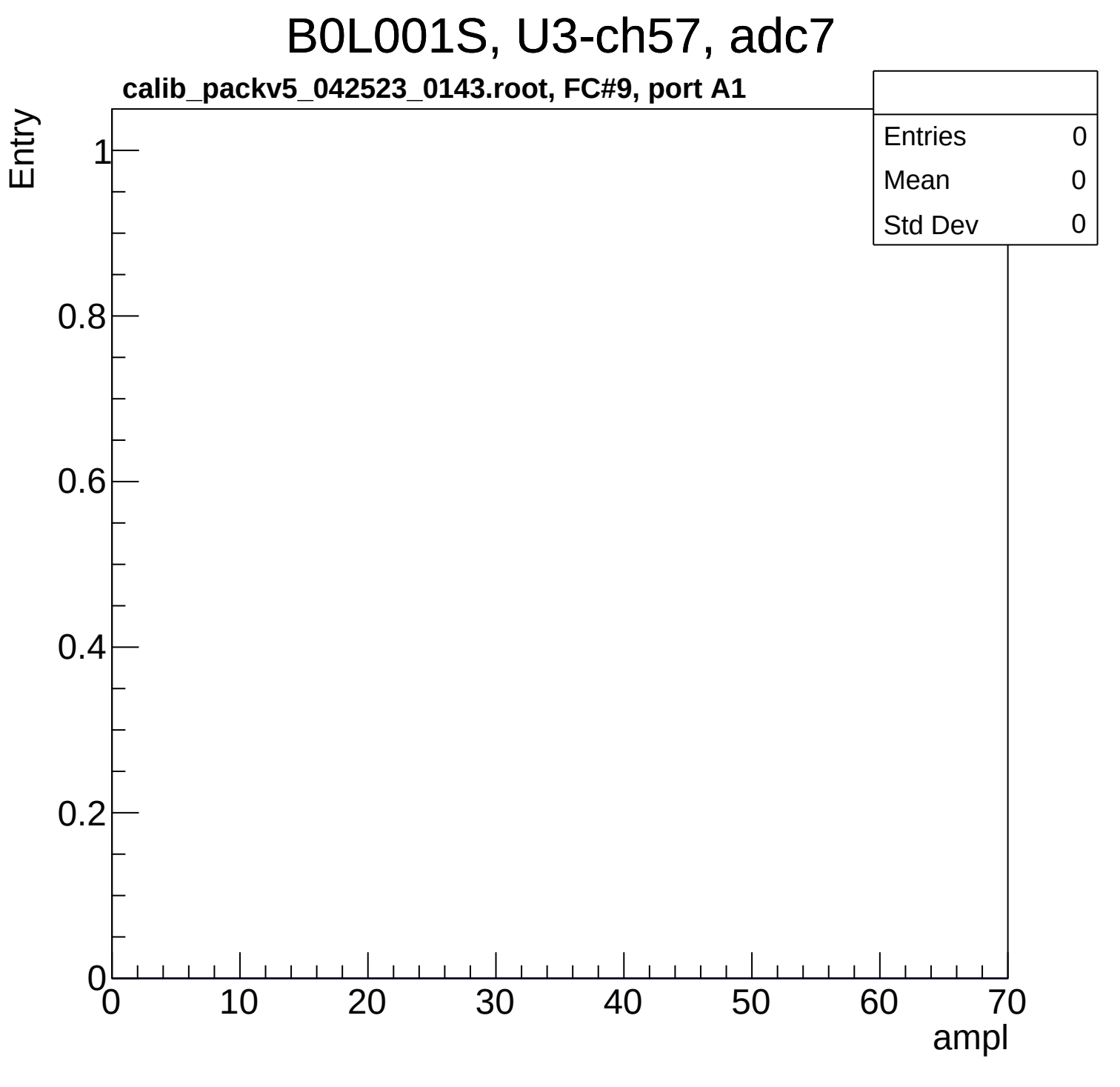
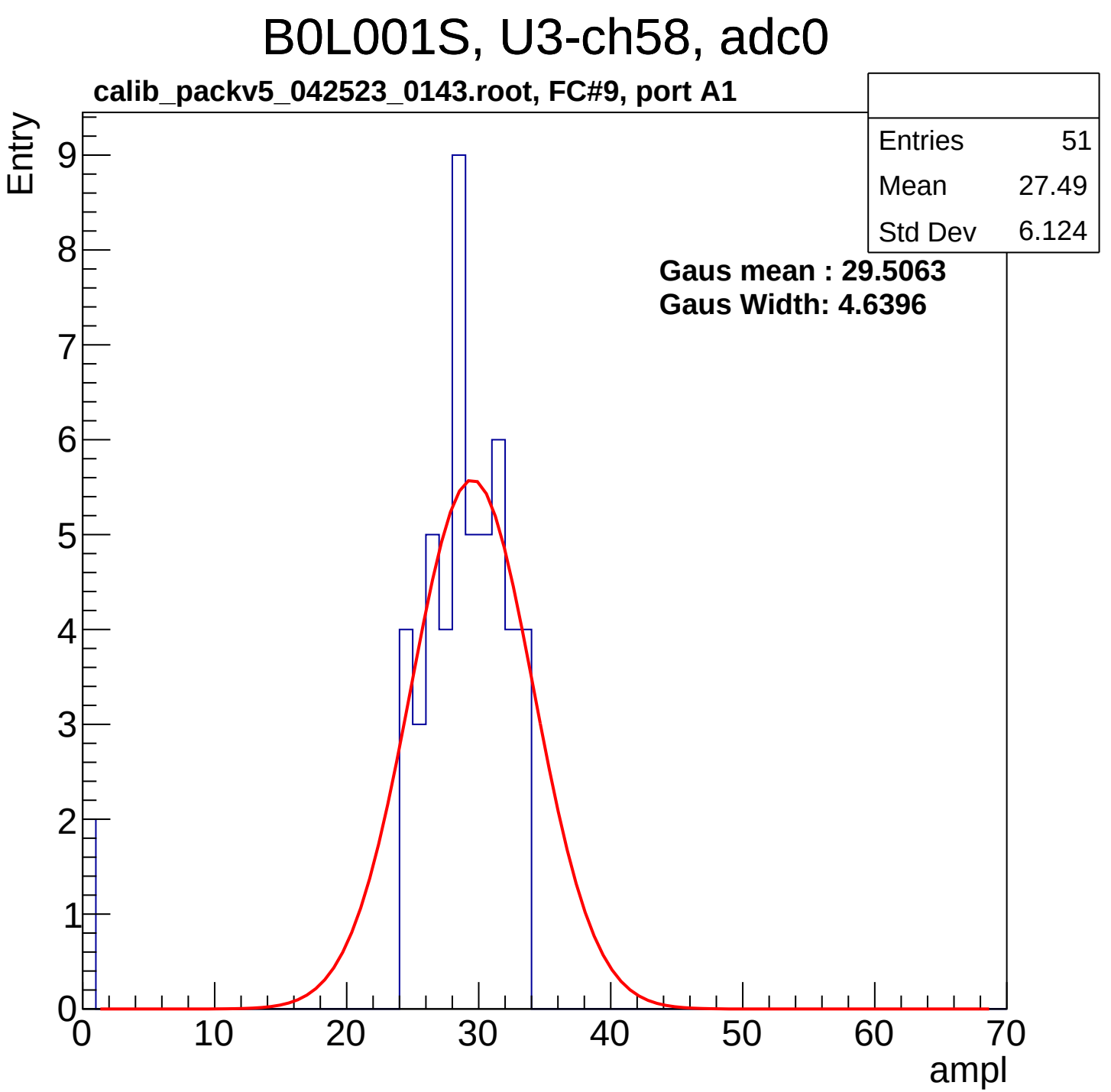
40
50
60
70


B0L001S, U3-ch57, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch58, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 27.49
Std Dev 6.124
Gaus mean : 29.5063
Gaus Width: 4.6396
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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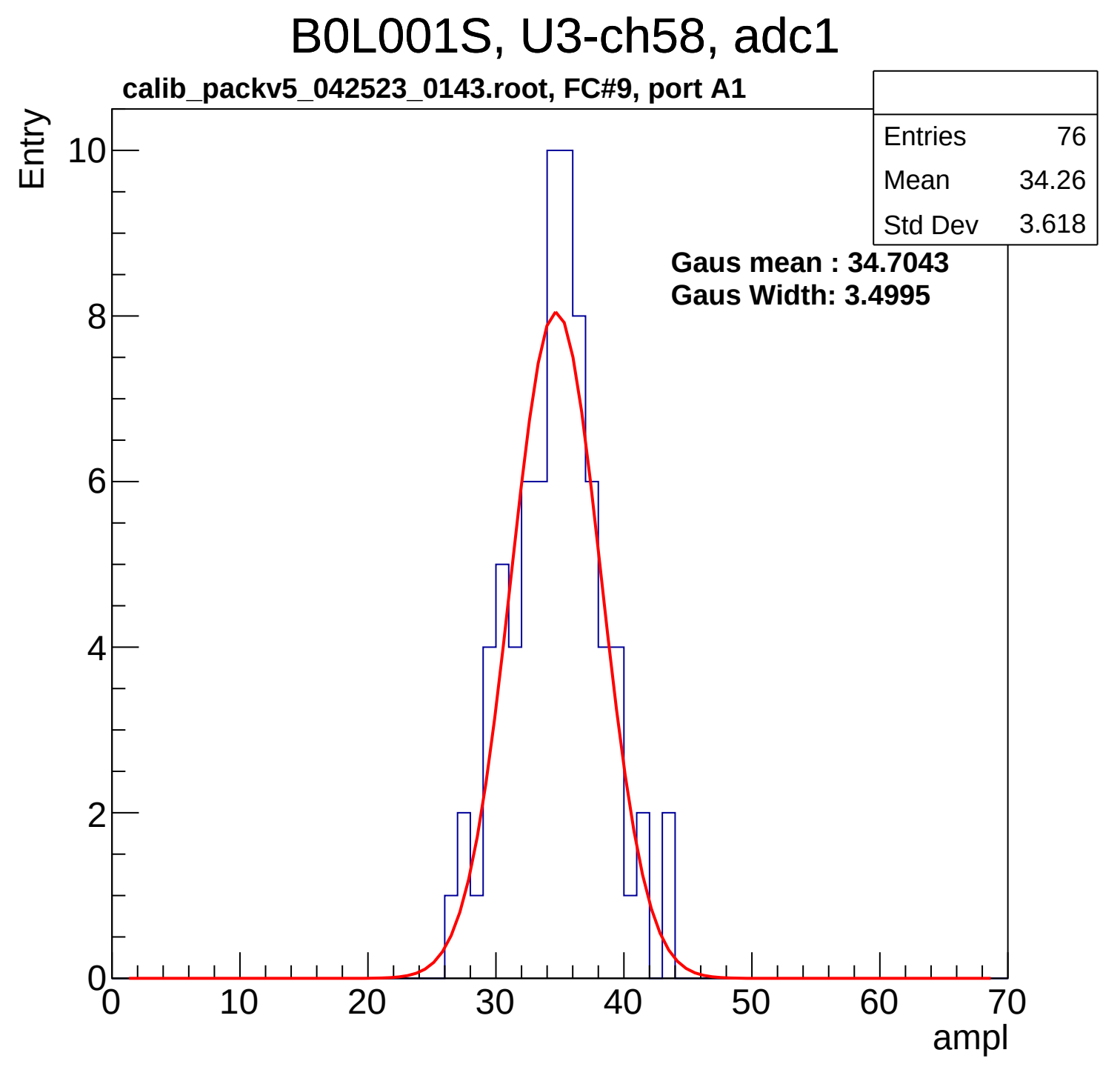
B0L001S, U3-ch58, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 34.26
Std Dev 3.618
Gaus mean : 34.7043
Gaus Width: 3.4995
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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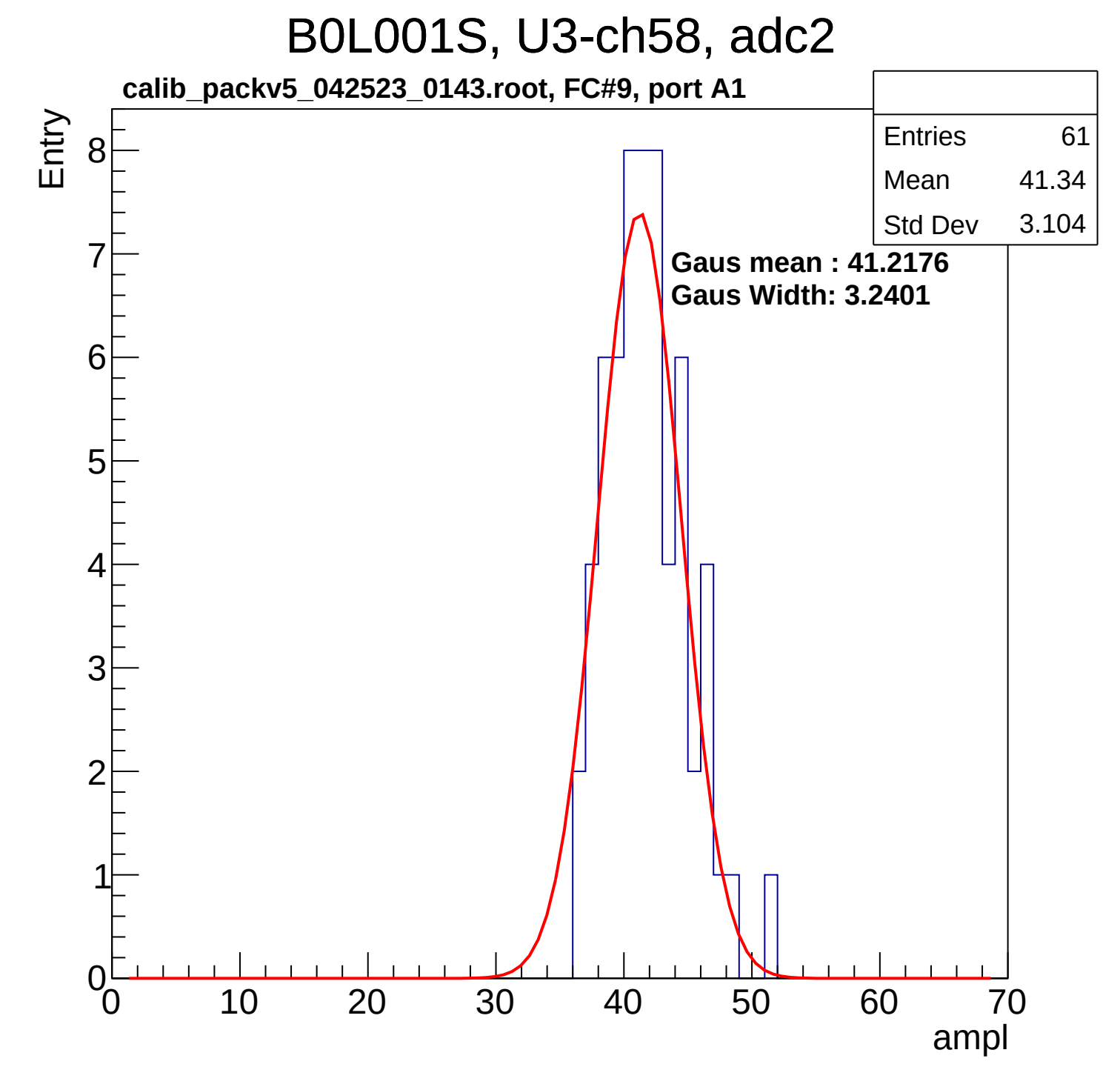
B0L001S, U3-ch58, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 41.34
Std Dev 3.104
Gaus mean : 41.2176
Gaus Width: 3.2401
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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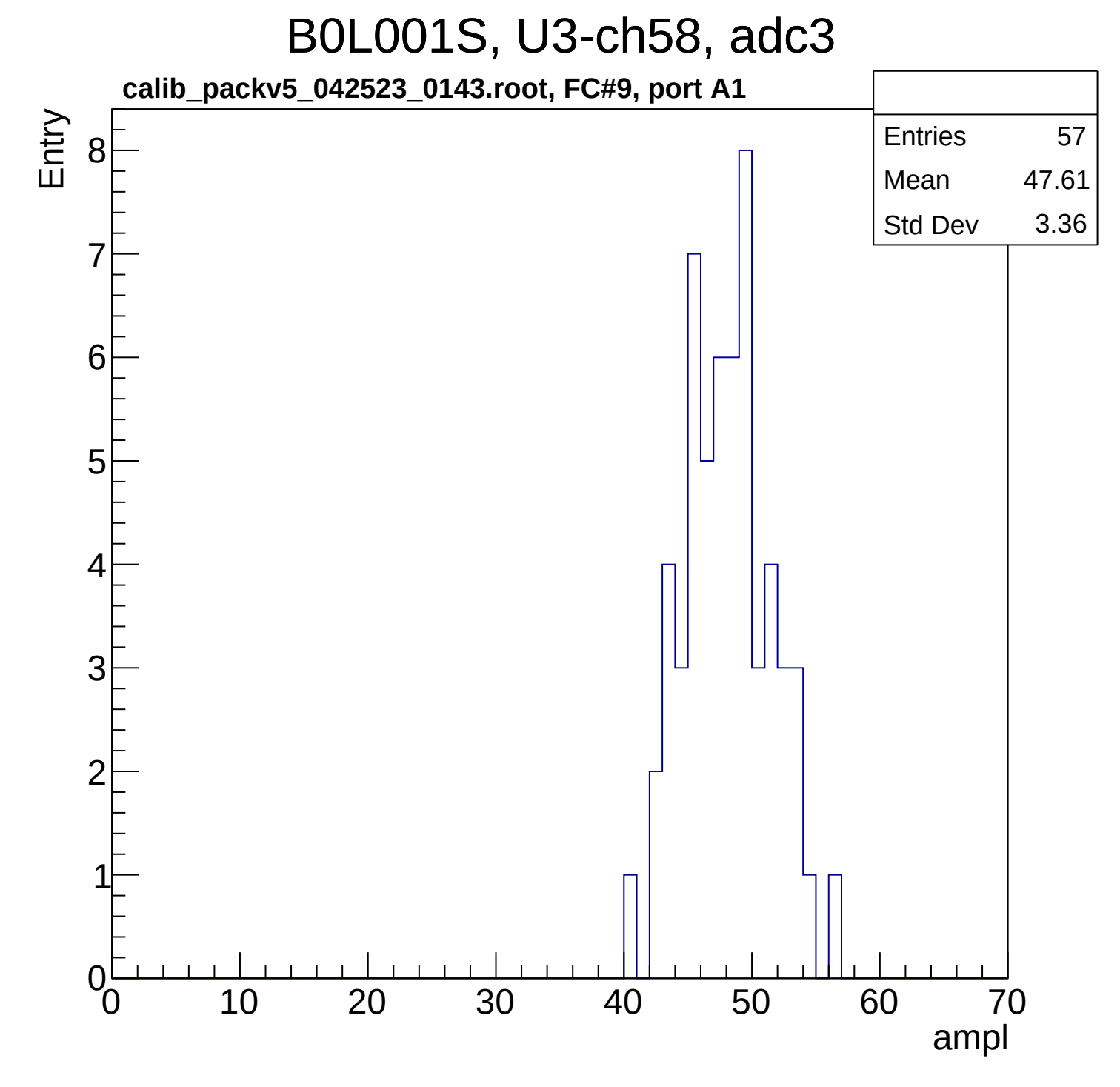
B0L001S, U3-ch58, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 47.61
Std Dev 3.36
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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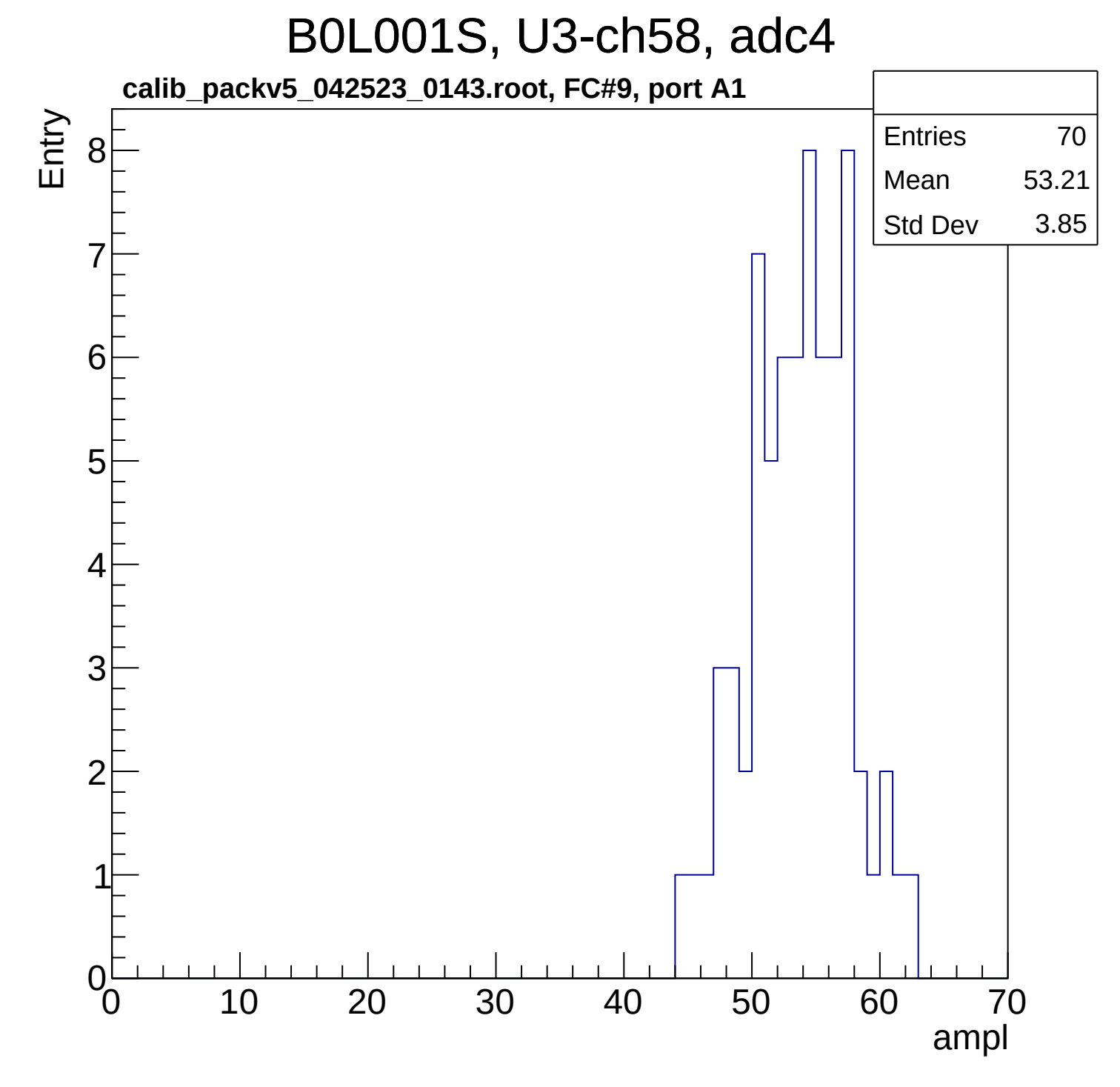
B0L001S, U3-ch58, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 53.21
Std Dev 3.85
Entry
ampl
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2
3
4
5
6
7
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0
10
20
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40
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60
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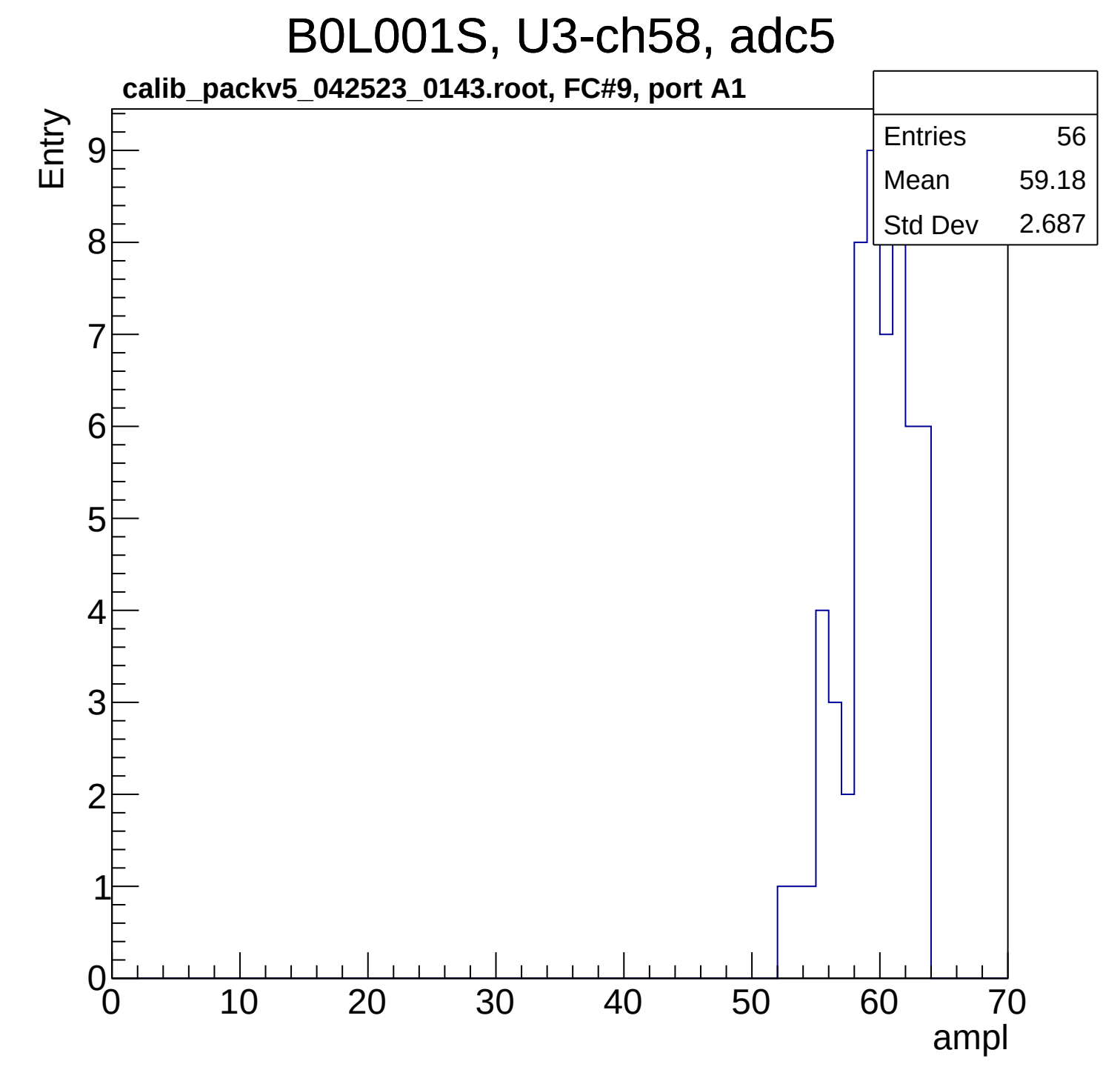
B0L001S, U3-ch58, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 59.18
Std Dev 2.687
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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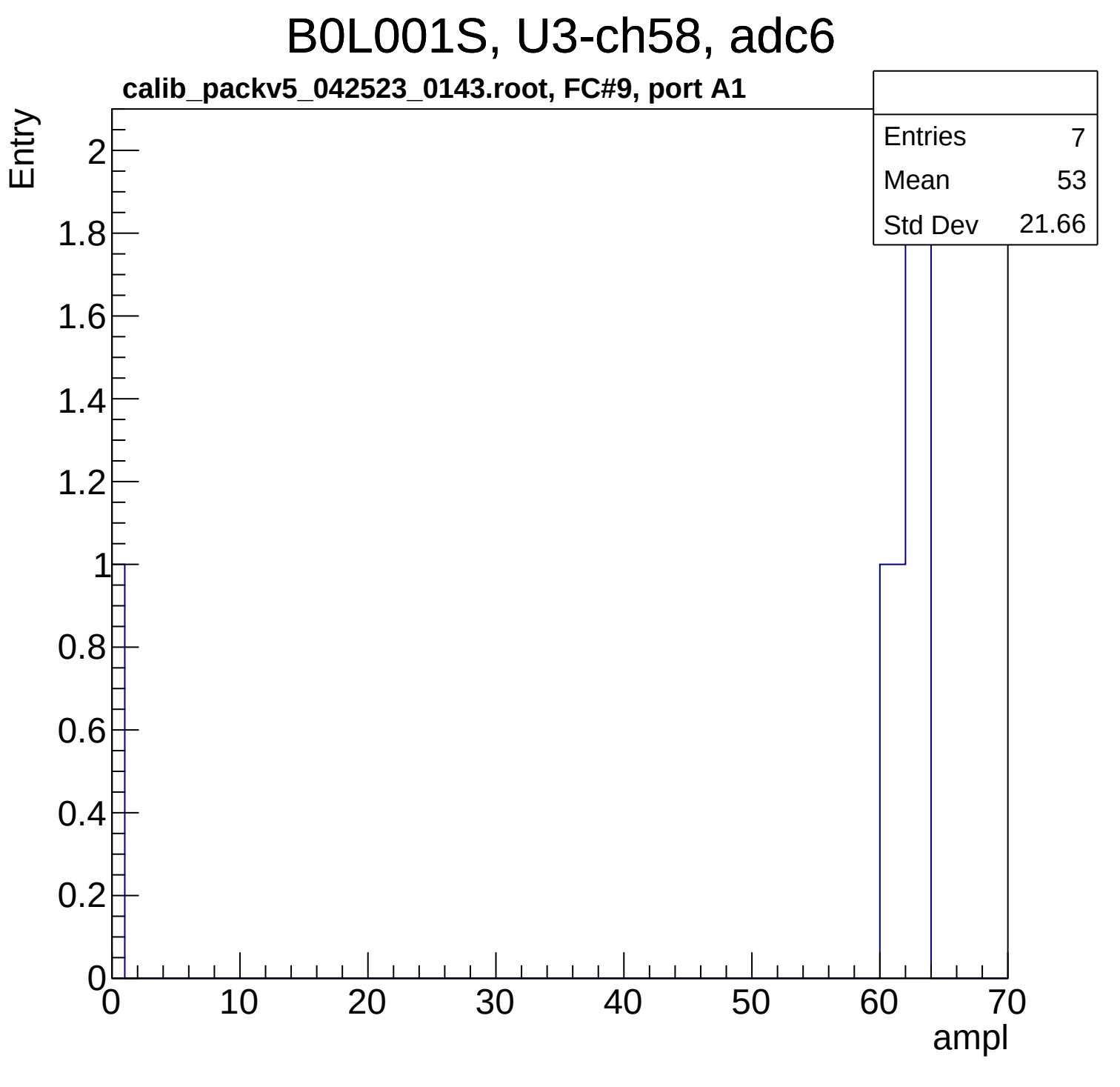
B0L001S, U3-ch58, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53
Std Dev 21.66
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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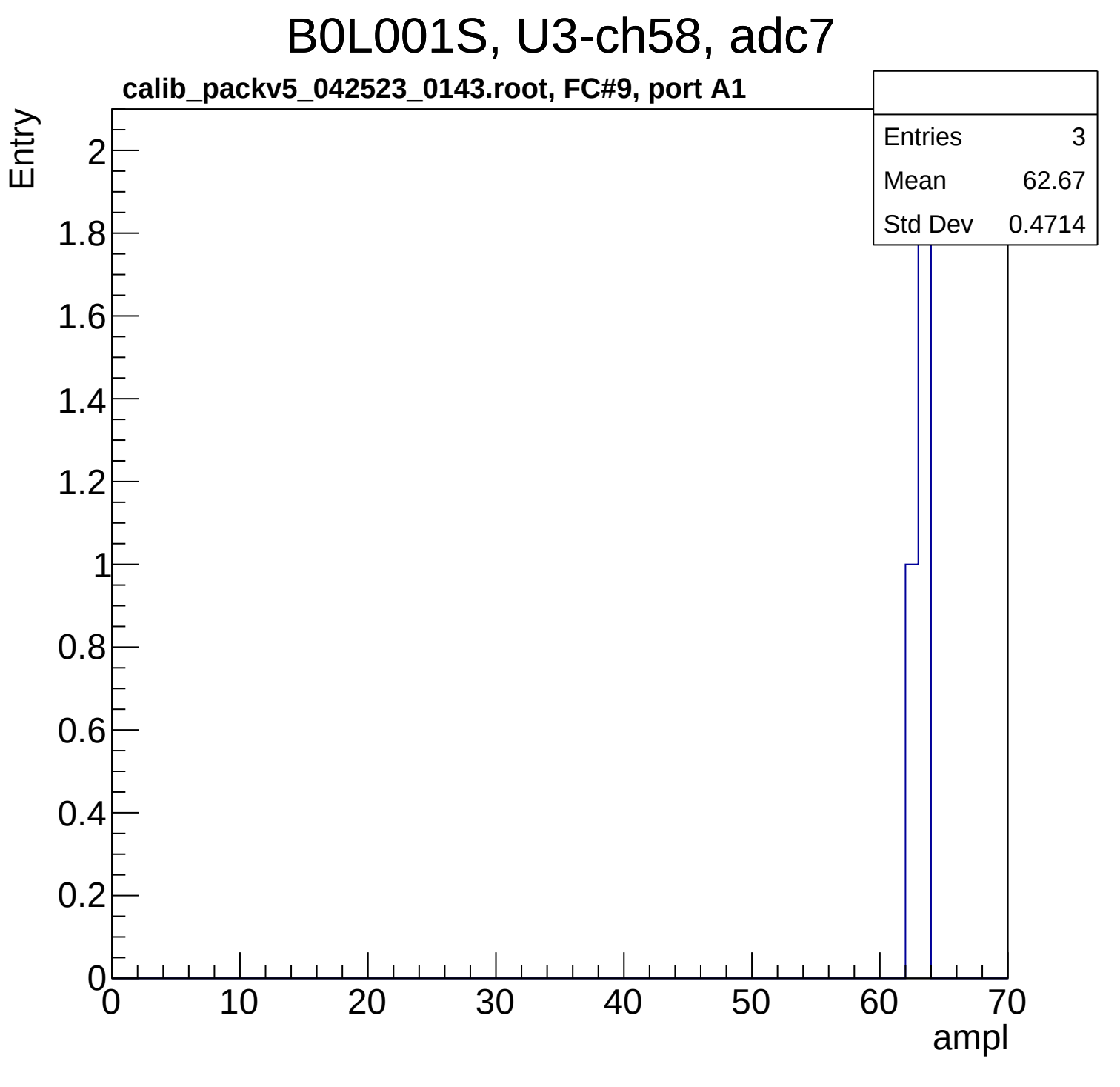
B0L001S, U3-ch58, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 62.67
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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20
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40
50
60
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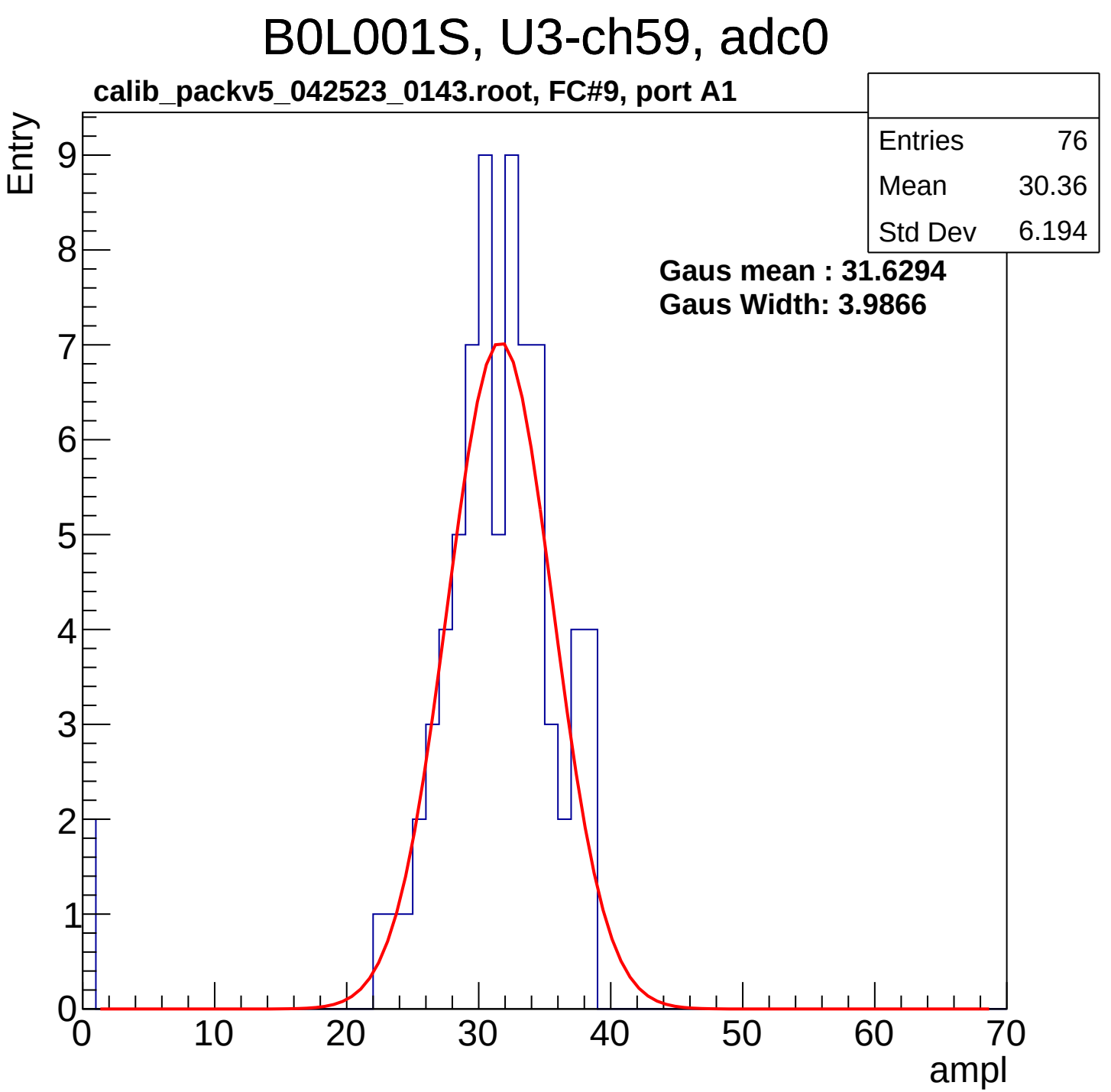
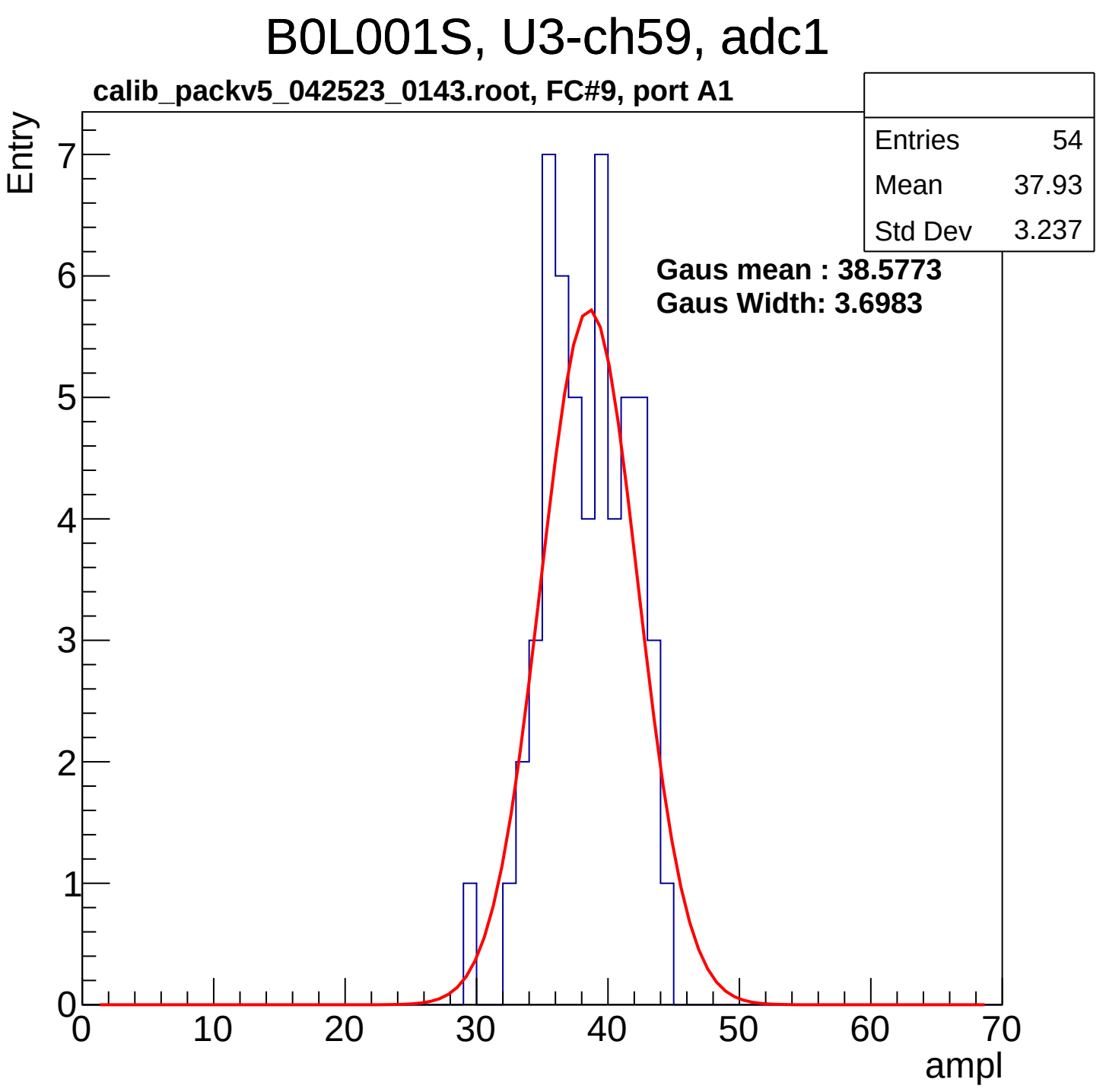
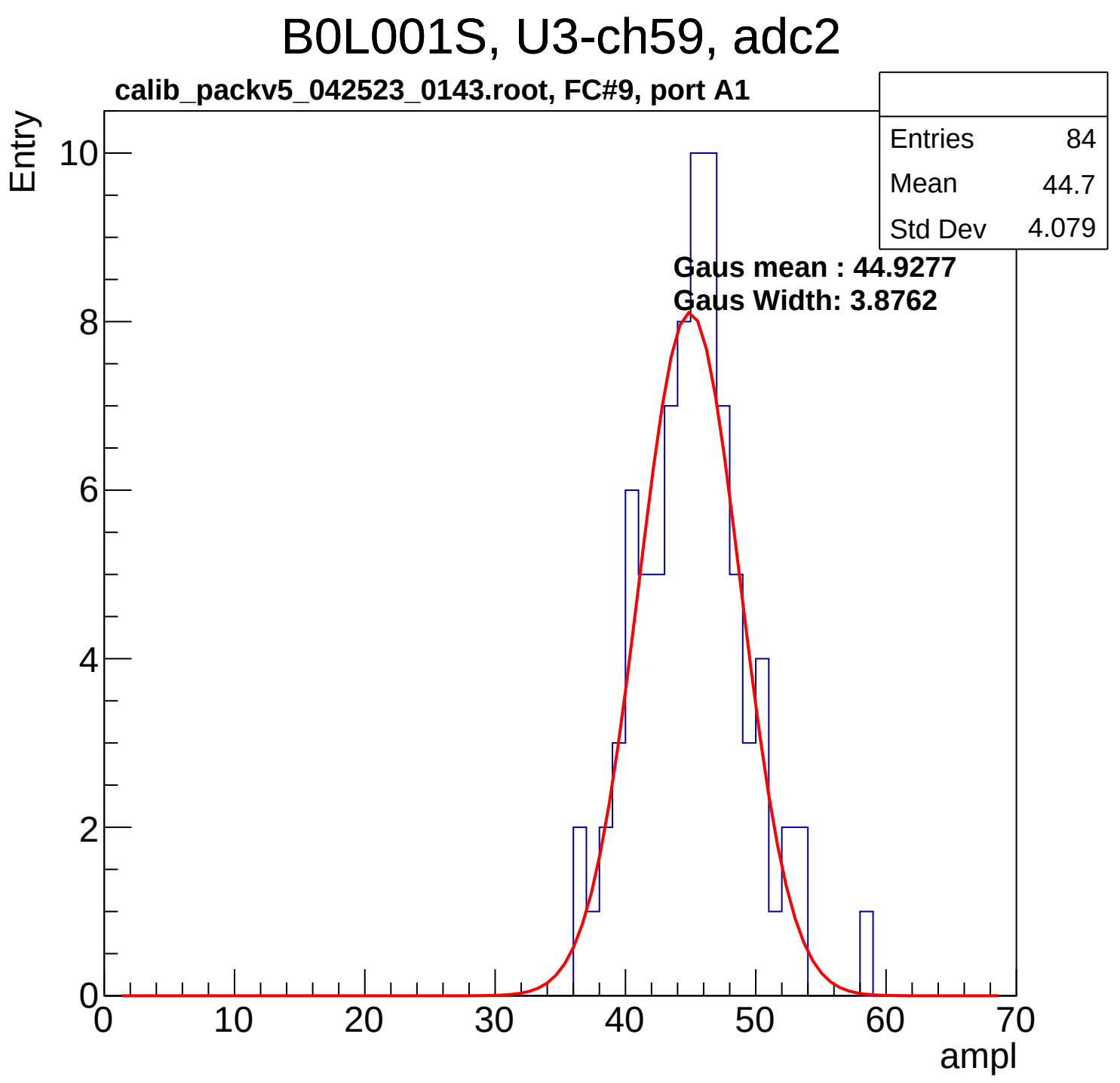

B0L001S, U3-ch59, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 30.36
Std Dev 6.194
Gaus mean : 31.6294
Gaus Width: 3.9866
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch59, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 37.93
Std Dev 3.237
Gaus mean : 38.5773
Gaus Width: 3.6983
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch59, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 84
Mean 44.7
Std Dev 4.079
Gaus mean : 44.9277
Gaus Width: 3.8762
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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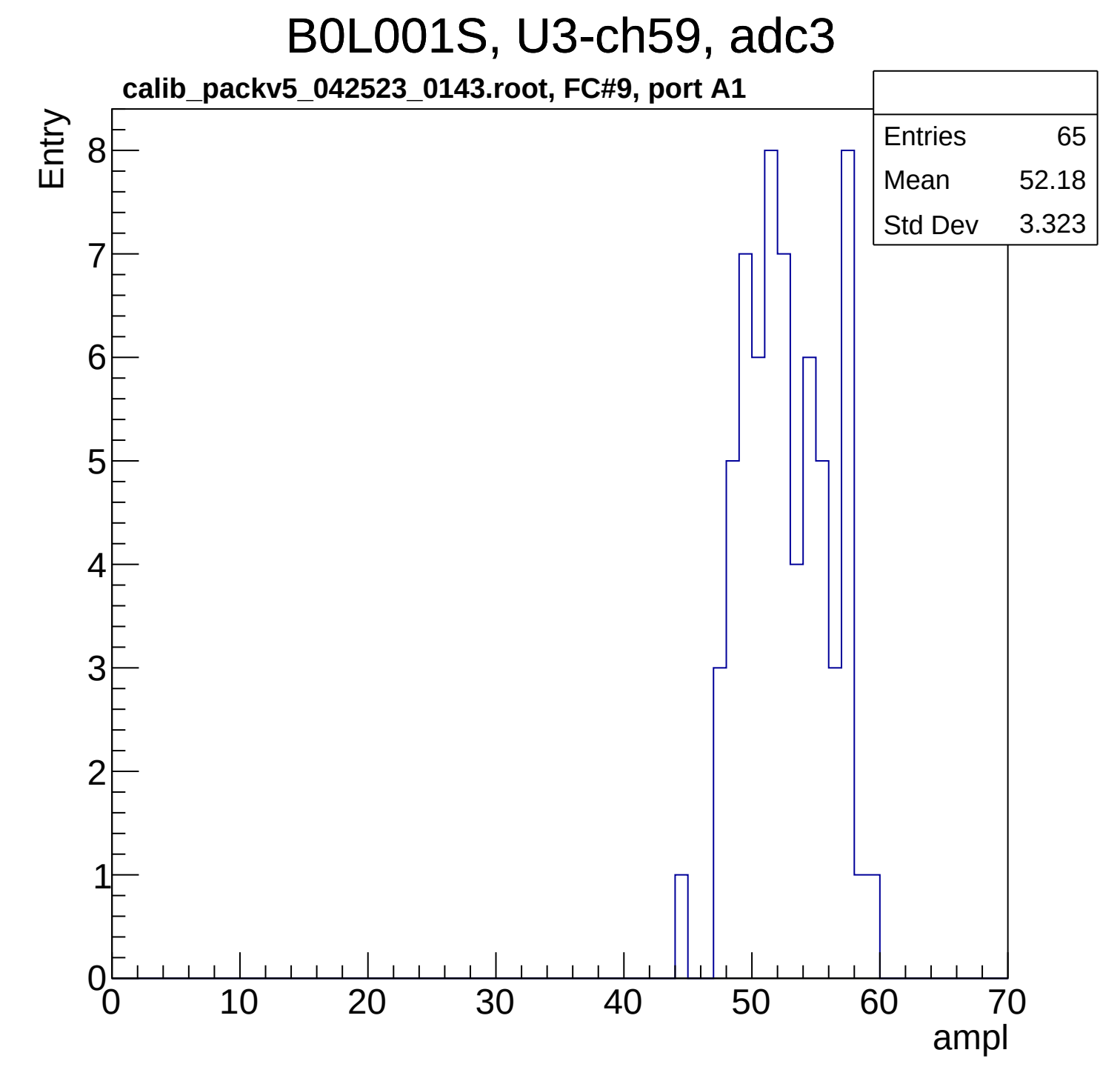
B0L001S, U3-ch59, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 52.18
Std Dev 3.323
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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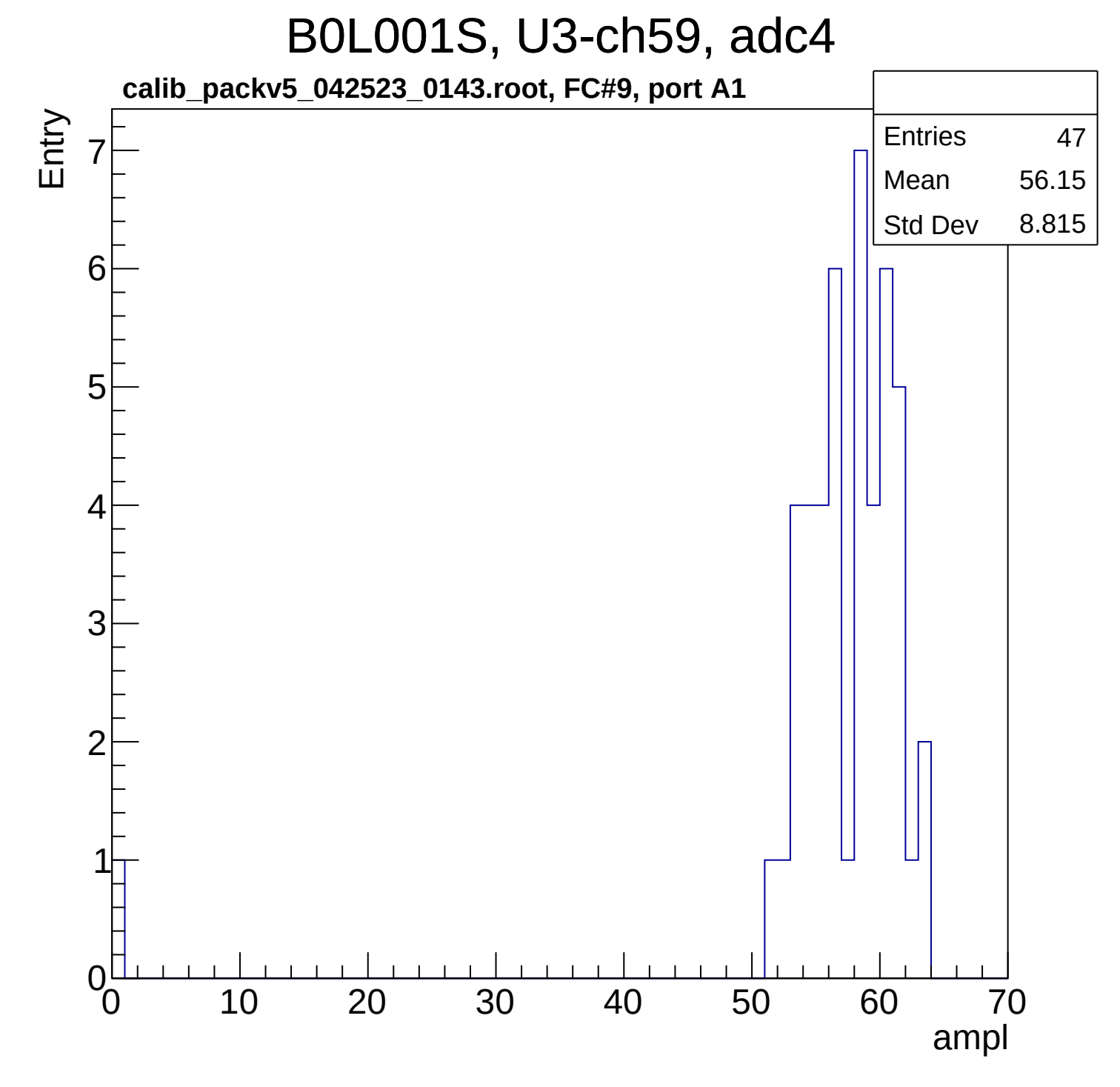
B0L001S, U3-ch59, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 56.15
Std Dev 8.815
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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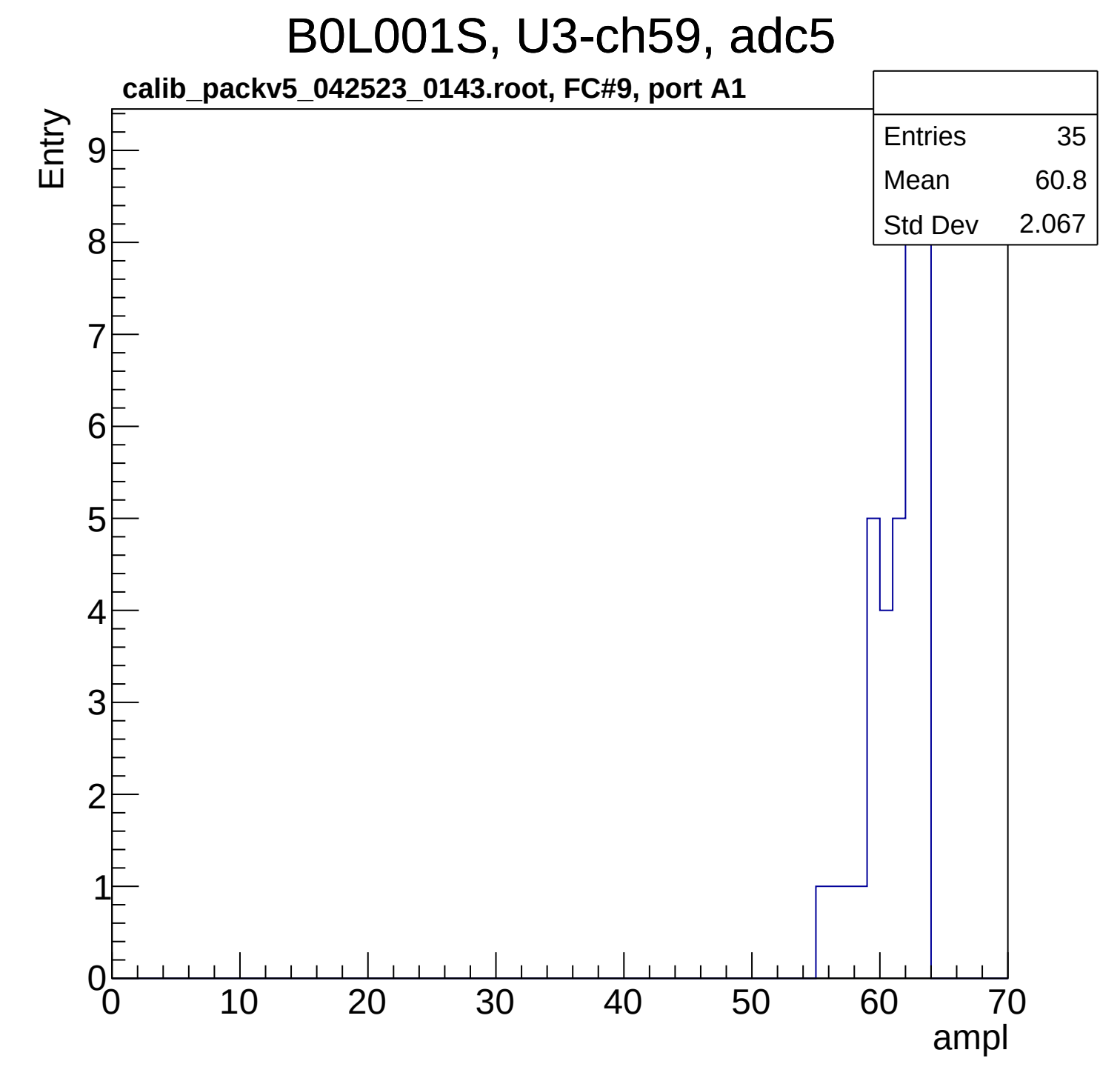
B0L001S, U3-ch59, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 35
Mean 60.8
Std Dev 2.067
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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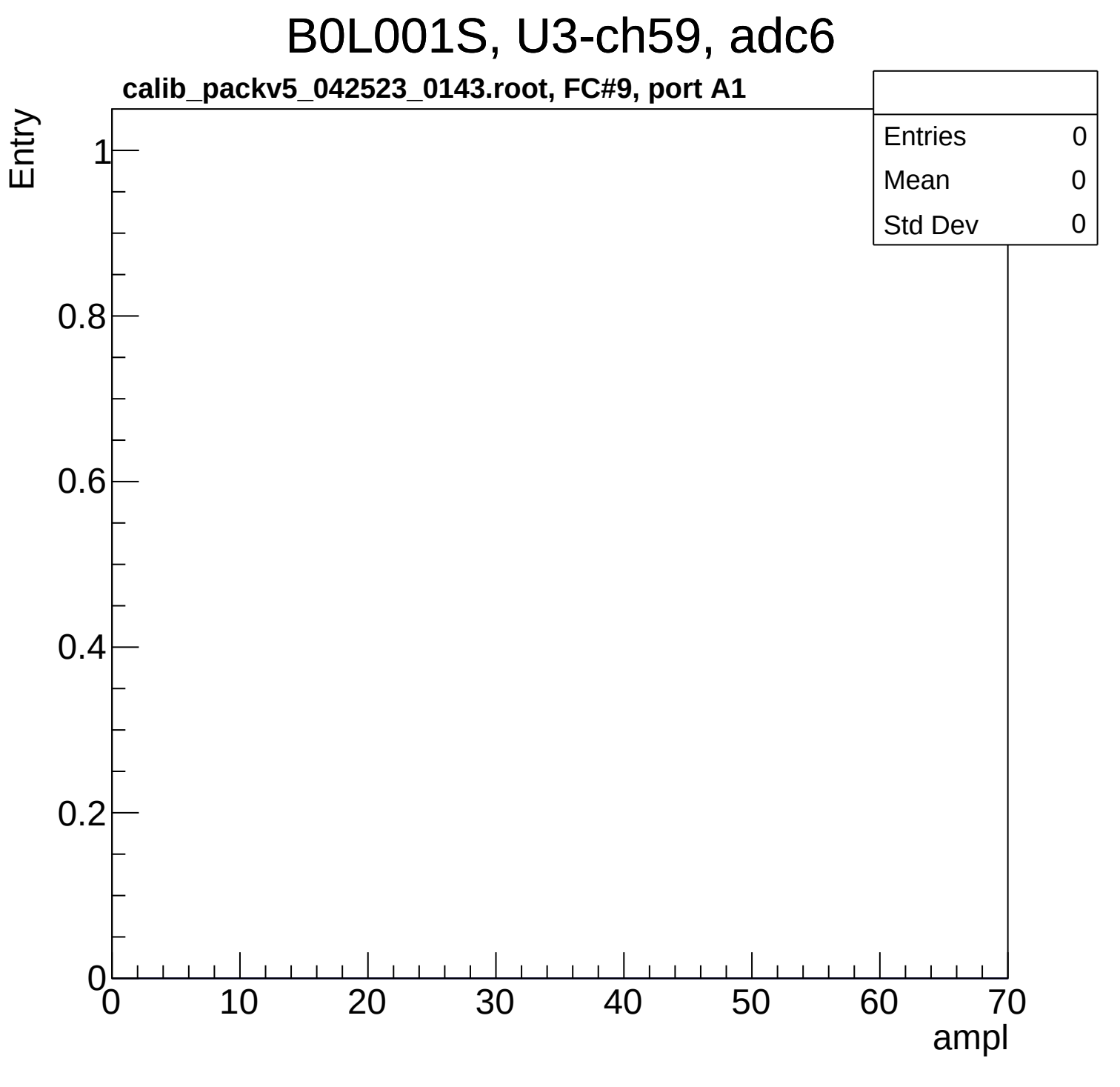
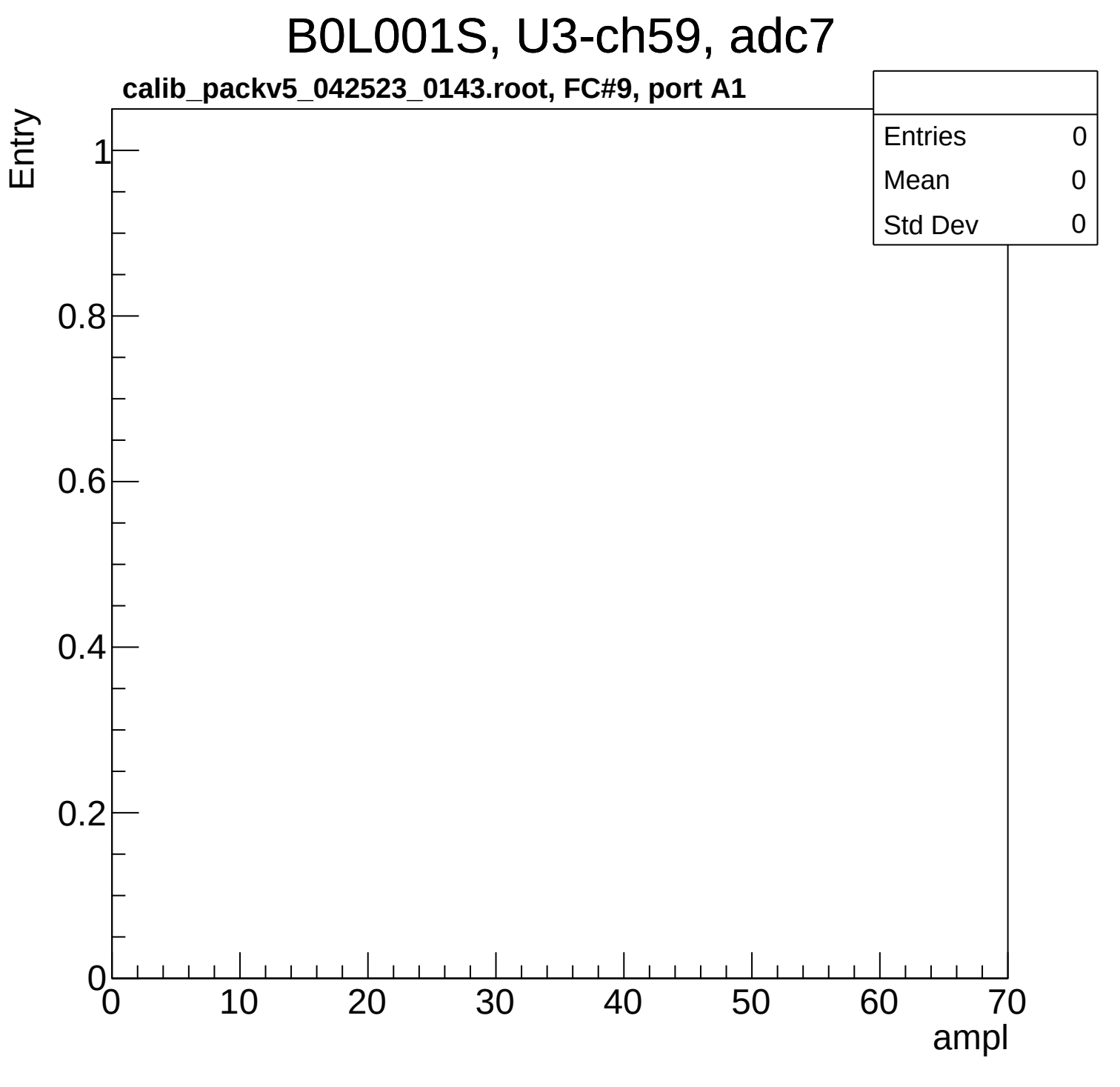

B0L001S, U3-ch59, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch59, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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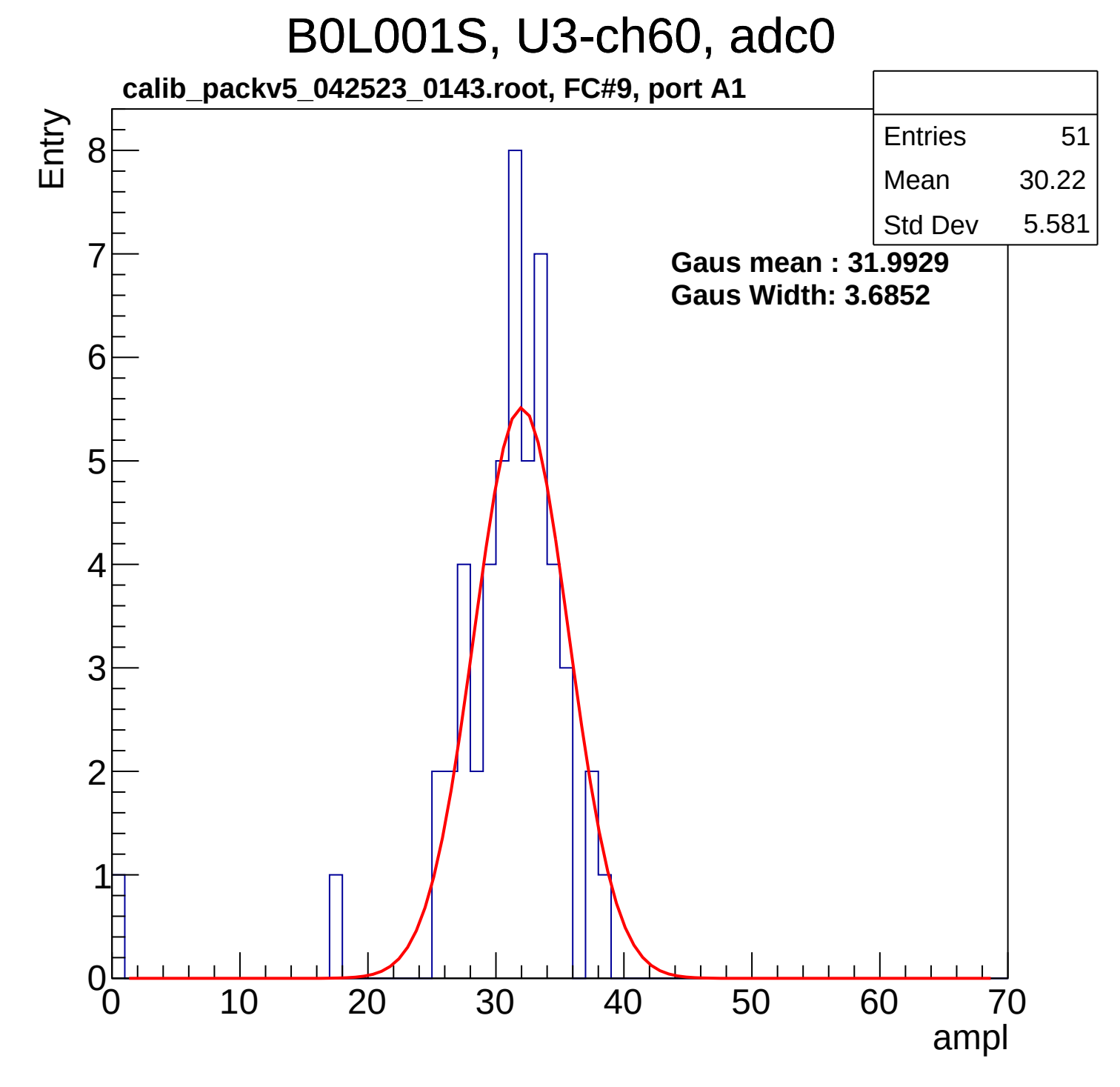
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch60, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 30.22
Std Dev 5.581
Gaus mean : 31.9929
Gaus Width: 3.6852
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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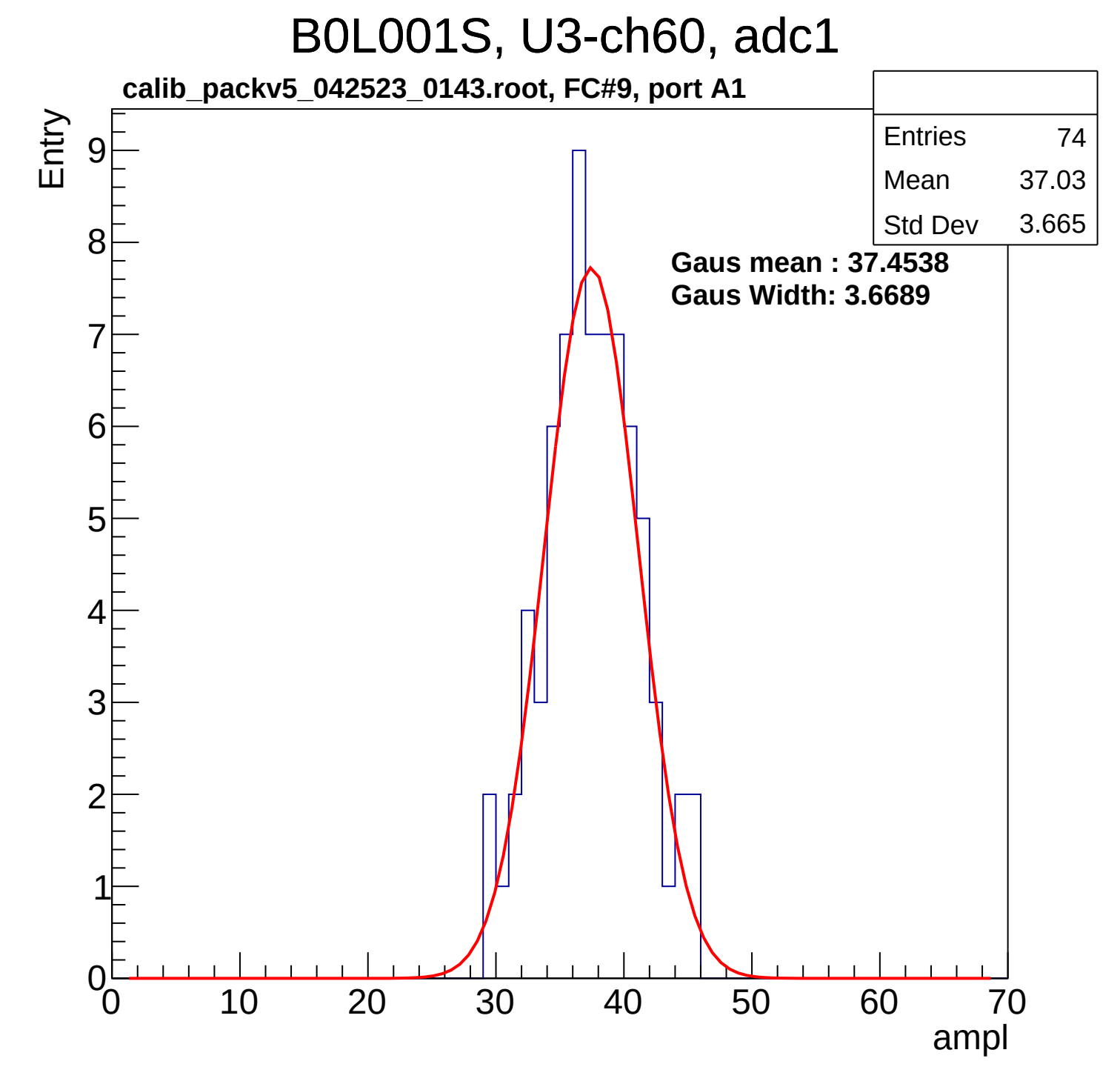
40
50
60
70


B0L001S, U3-ch60, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 37.03
Std Dev 3.665
Gaus mean : 37.4538
Gaus Width: 3.6689
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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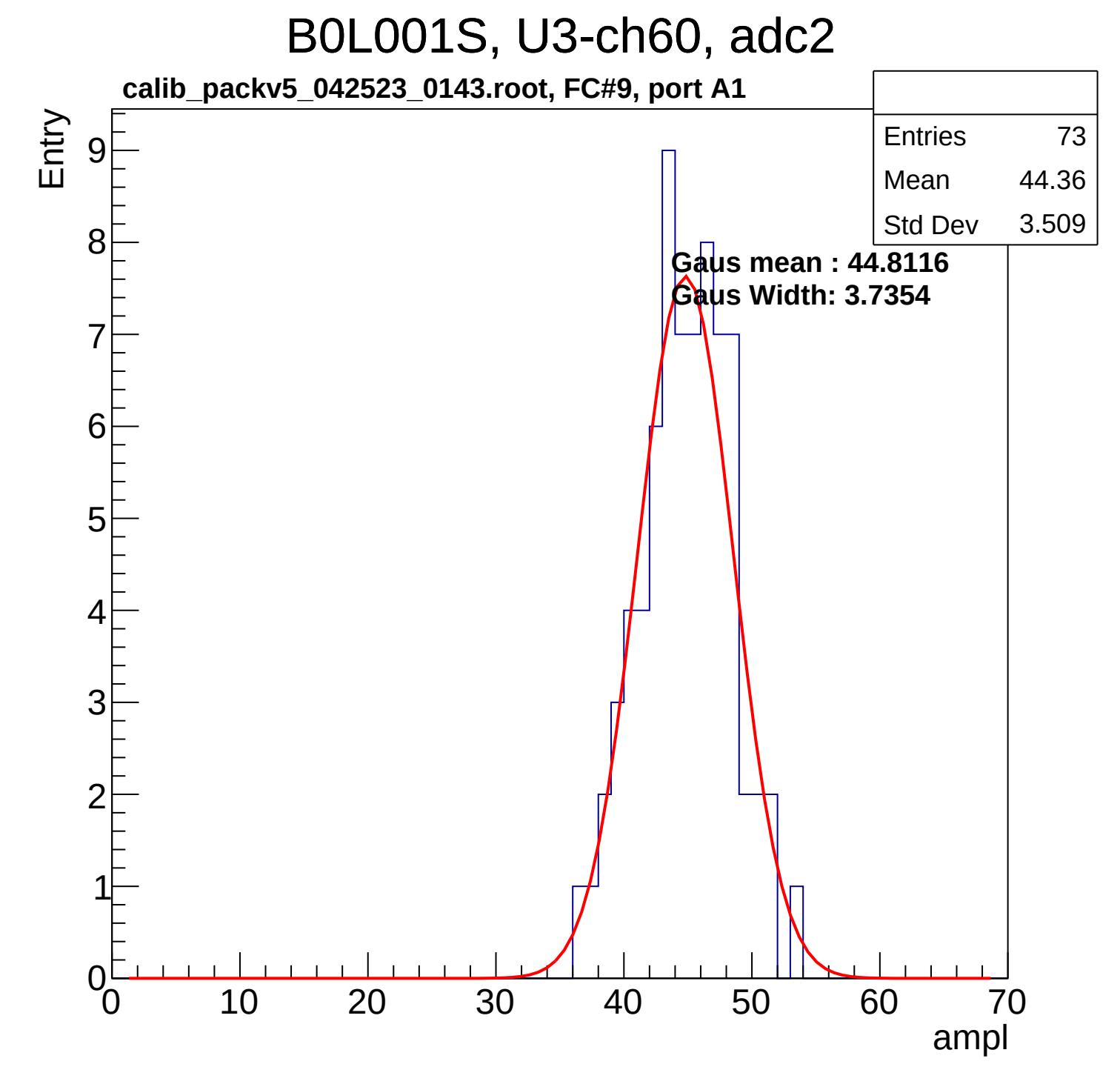
B0L001S, U3-ch60, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 44.36
Std Dev 3.509
Gaus mean : 44.8116
Gaus Width: 3.7354
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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60
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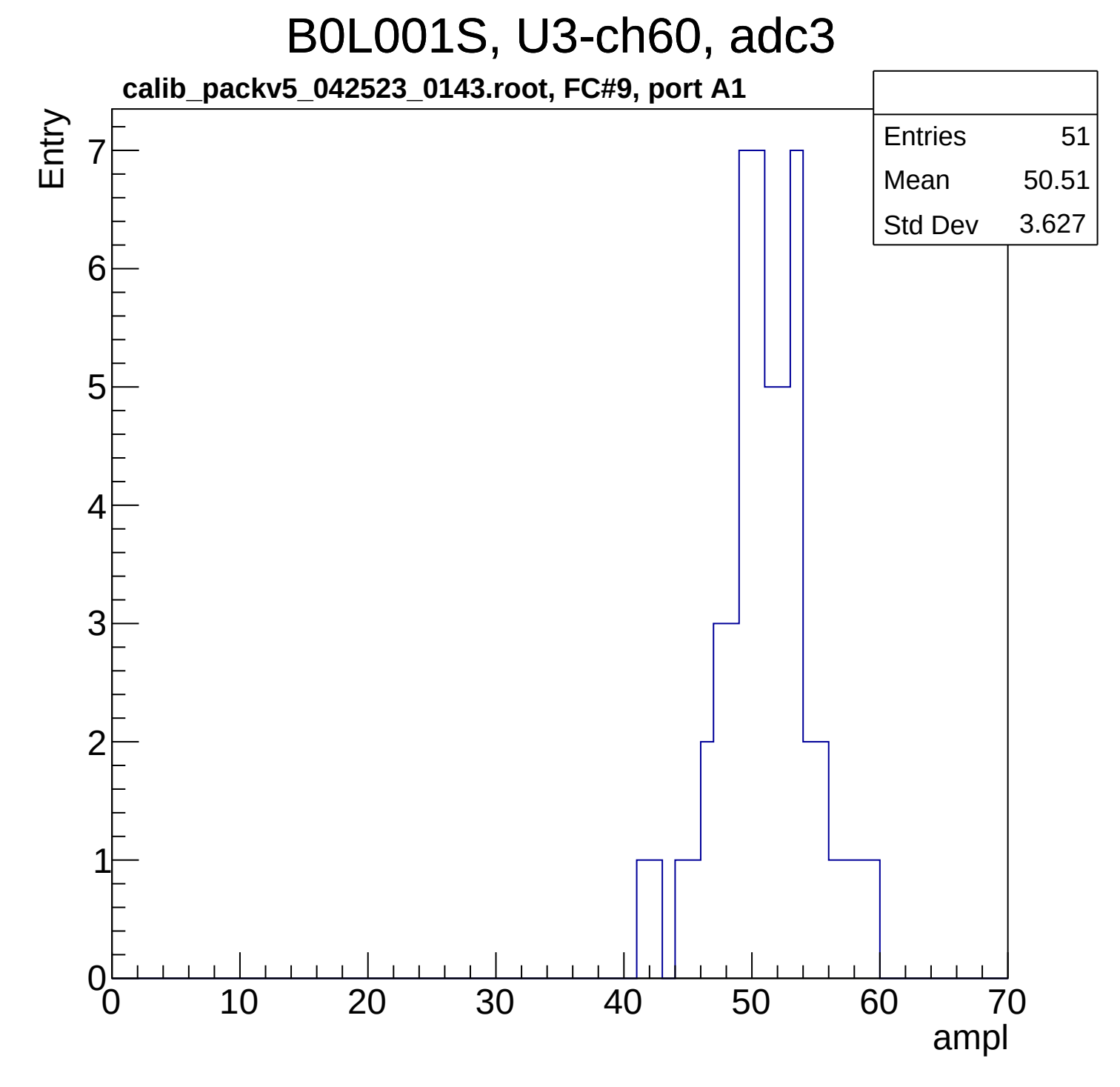
B0L001S, U3-ch60, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 50.51
Std Dev 3.627
Entry
ampl
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4
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0
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20
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60
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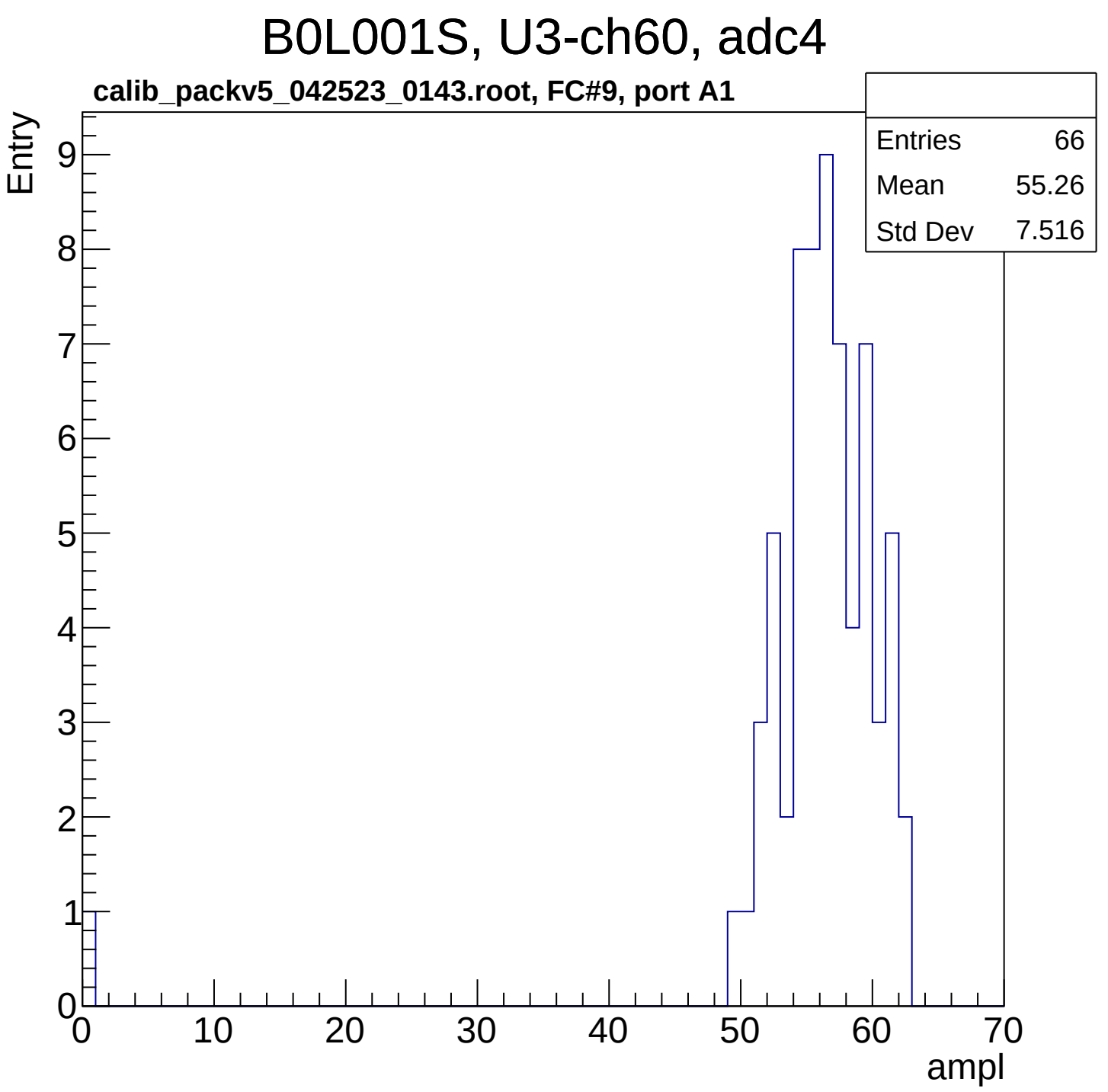
B0L001S, U3-ch60, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 55.26
Std Dev 7.516
Entry
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7
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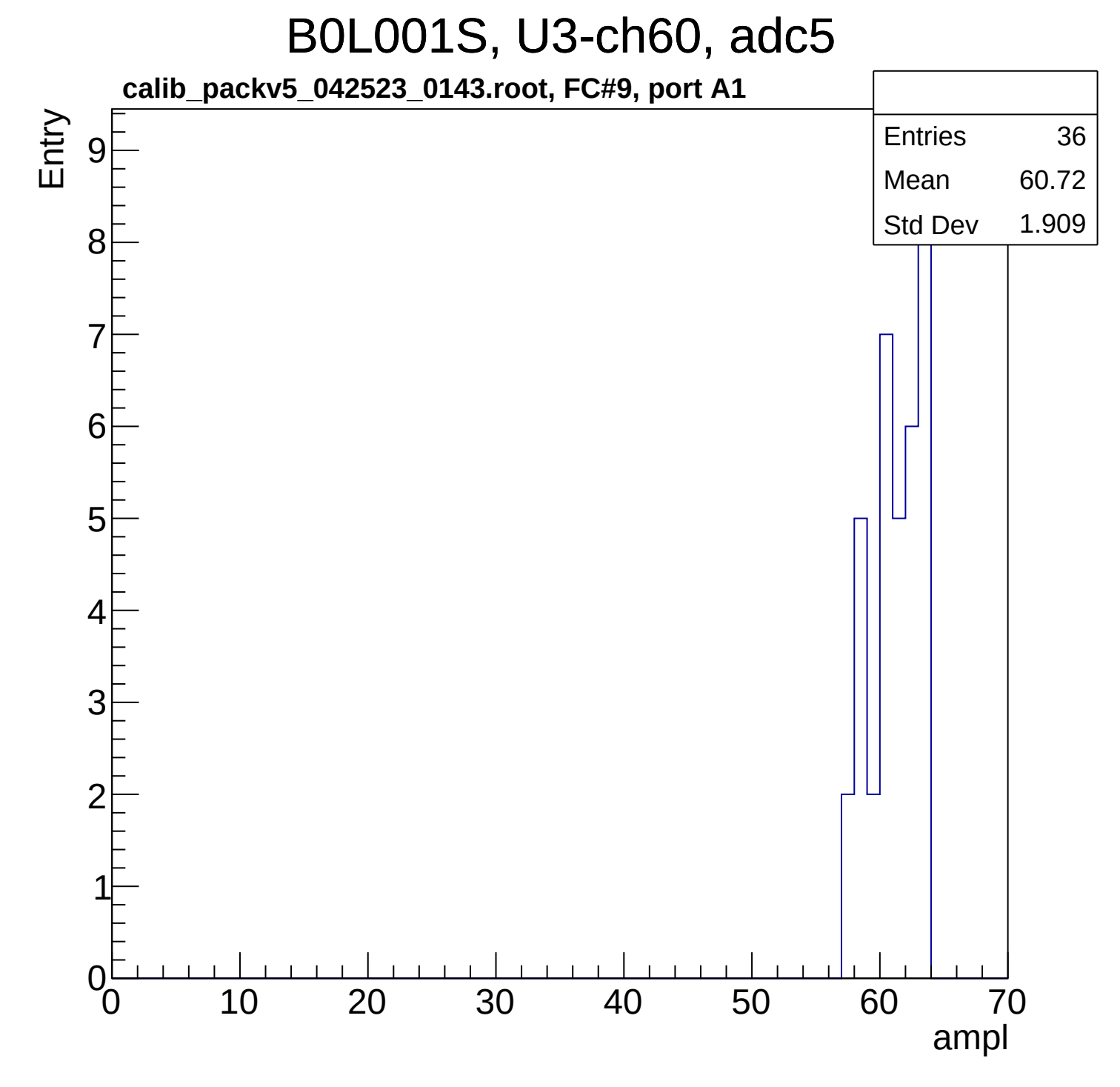
50
60
70
ampl


B0L001S, U3-ch60, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 60.72
Std Dev 1.909
Entry
ampl
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6
7
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0
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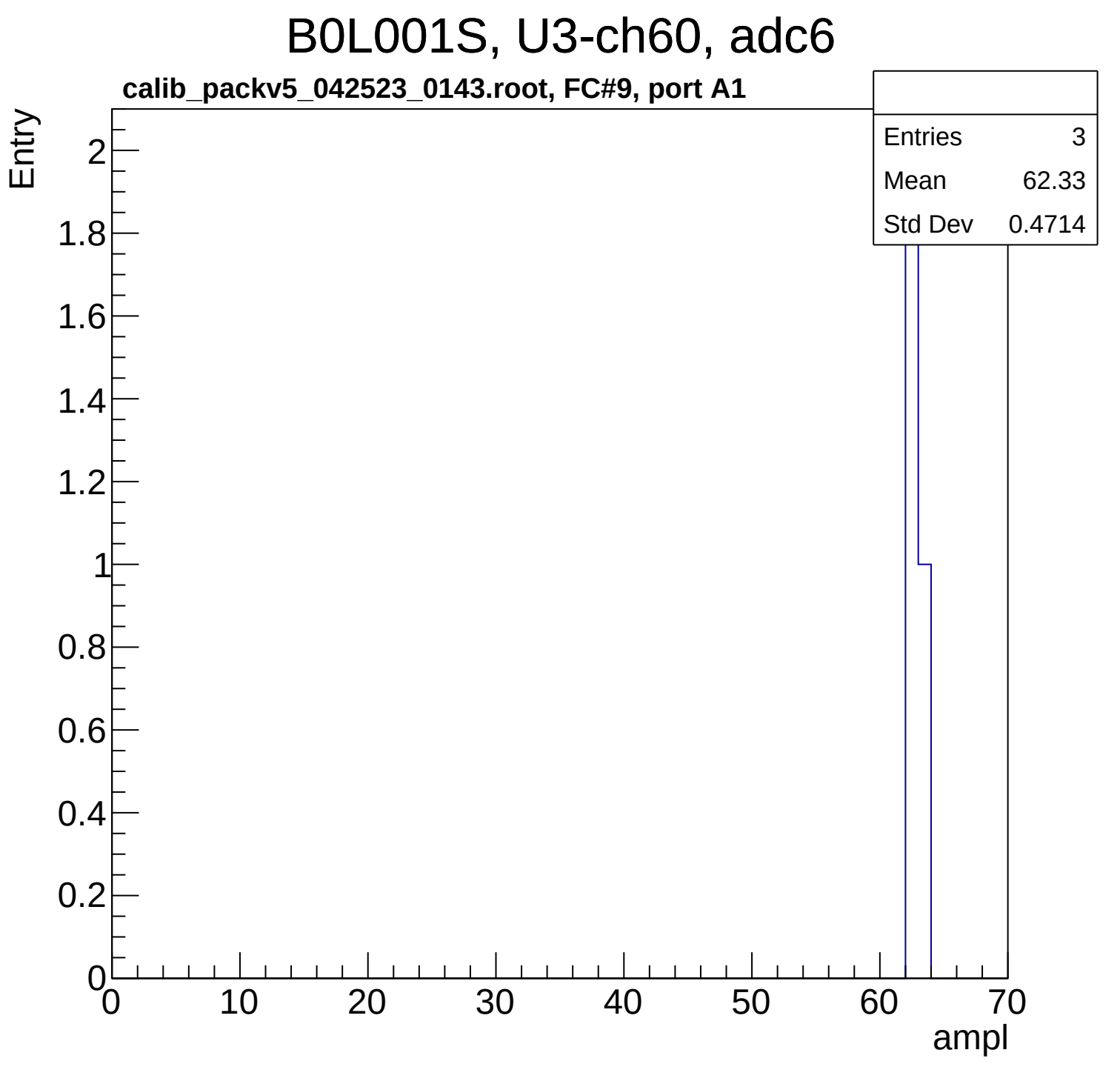
60
70


B0L001S, U3-ch60, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 62.33
Std Dev 0.4714
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
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40
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60
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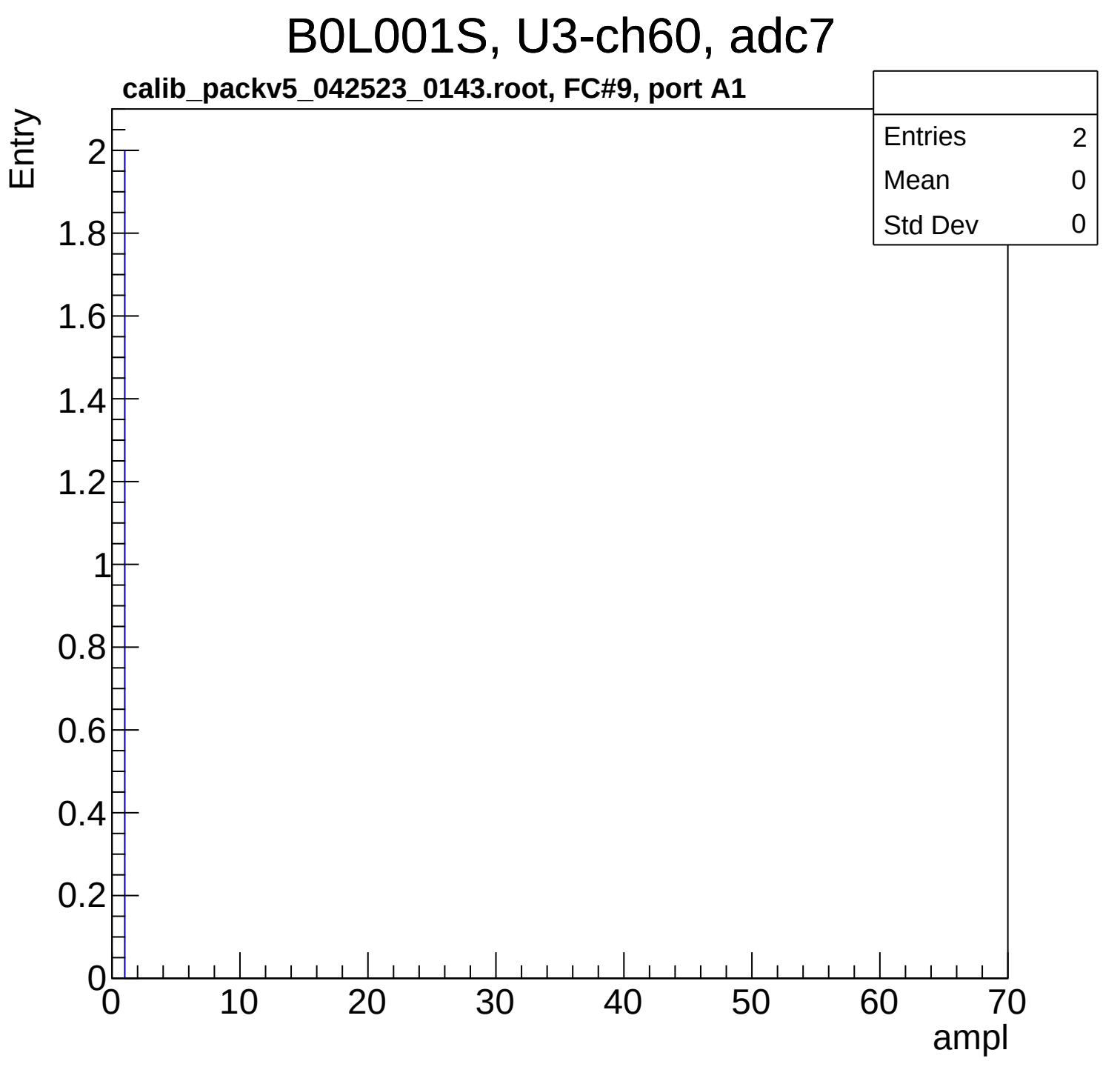
B0L001S, U3-ch60, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
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0.6
0.4
0.2
0
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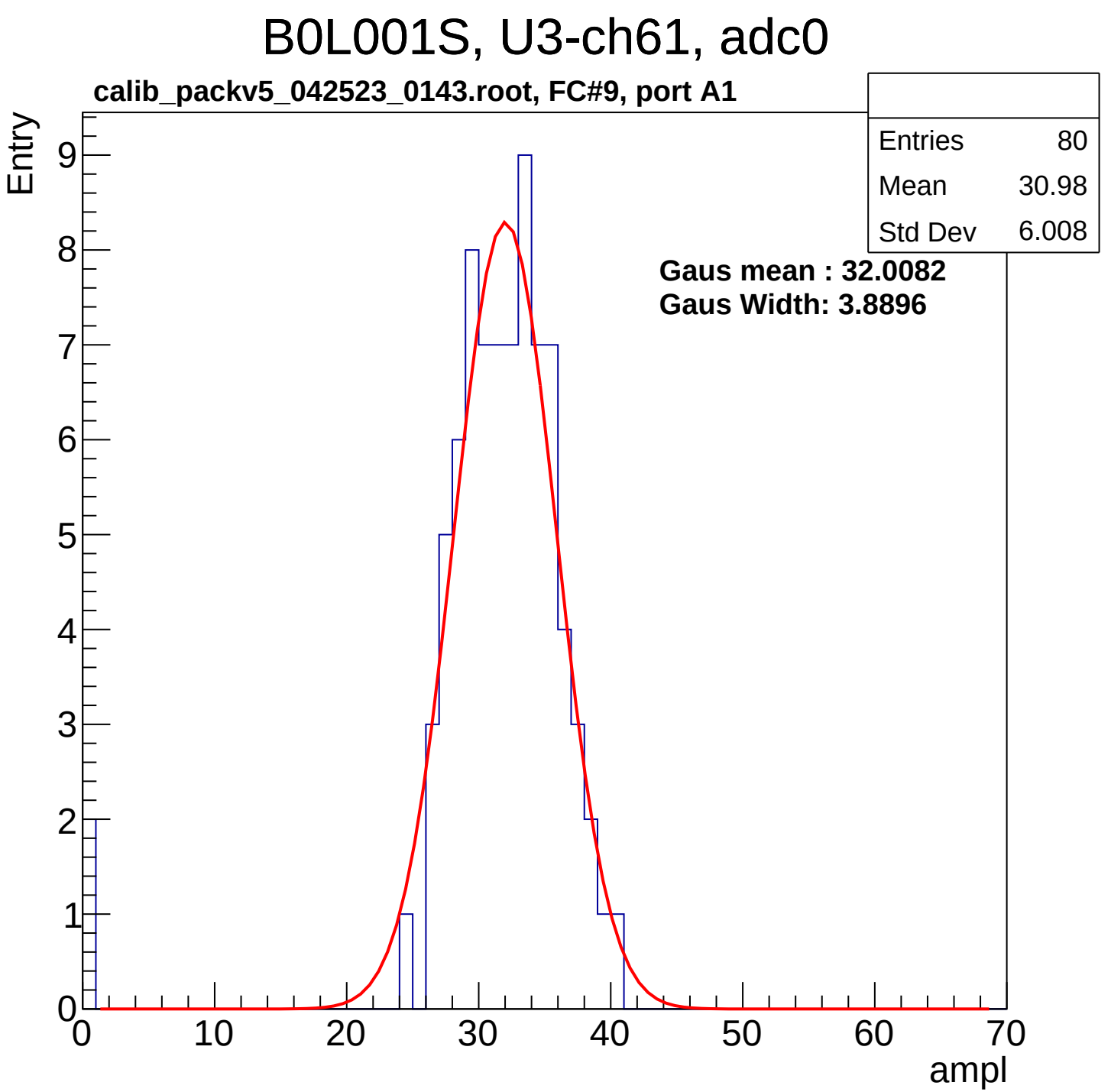
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch61, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 30.98
Std Dev 6.008
Gaus mean : 32.0082
Gaus Width: 3.8896
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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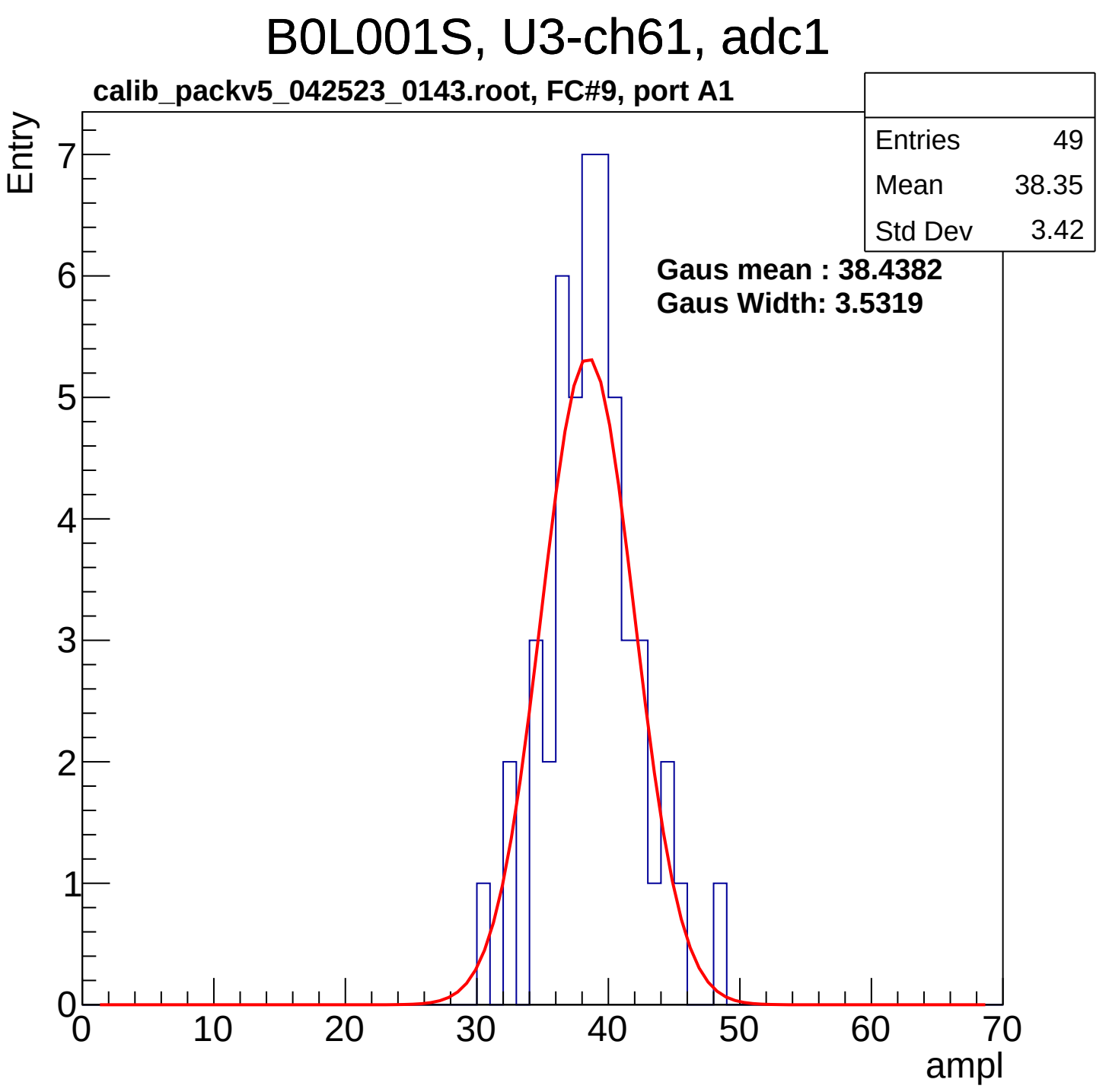
B0L001S, U3-ch61, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 38.35
Std Dev 3.42
Gaus mean : 38.4382
Gaus Width: 3.5319
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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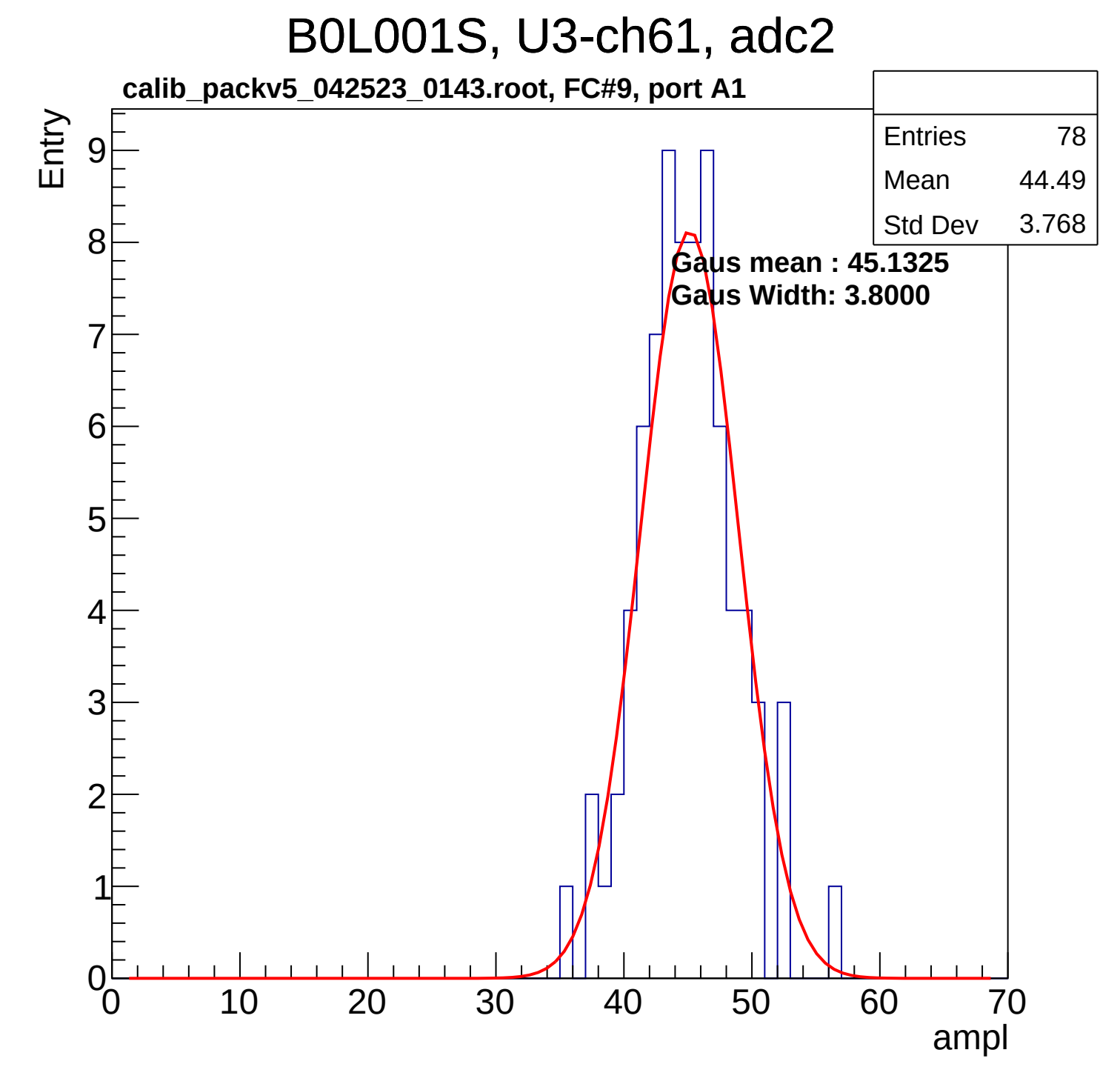
B0L001S, U3-ch61, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 44.49
Std Dev 3.768
Gaus mean : 45.1325
Gaus Width: 3.8000
Entry
ampl
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2
3
4
5
6
7
8
9
0
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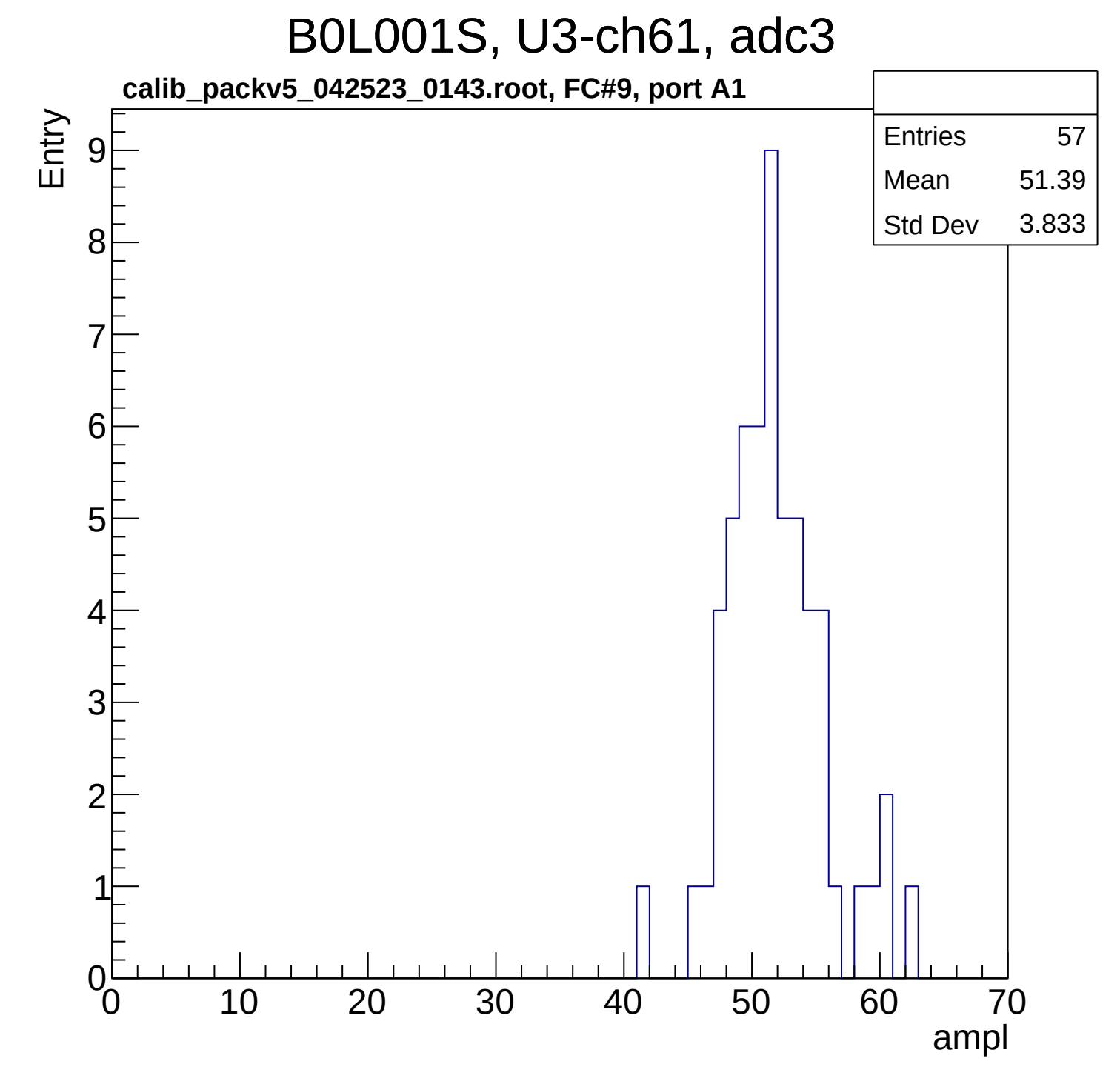
B0L001S, U3-ch61, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 51.39
Std Dev 3.833
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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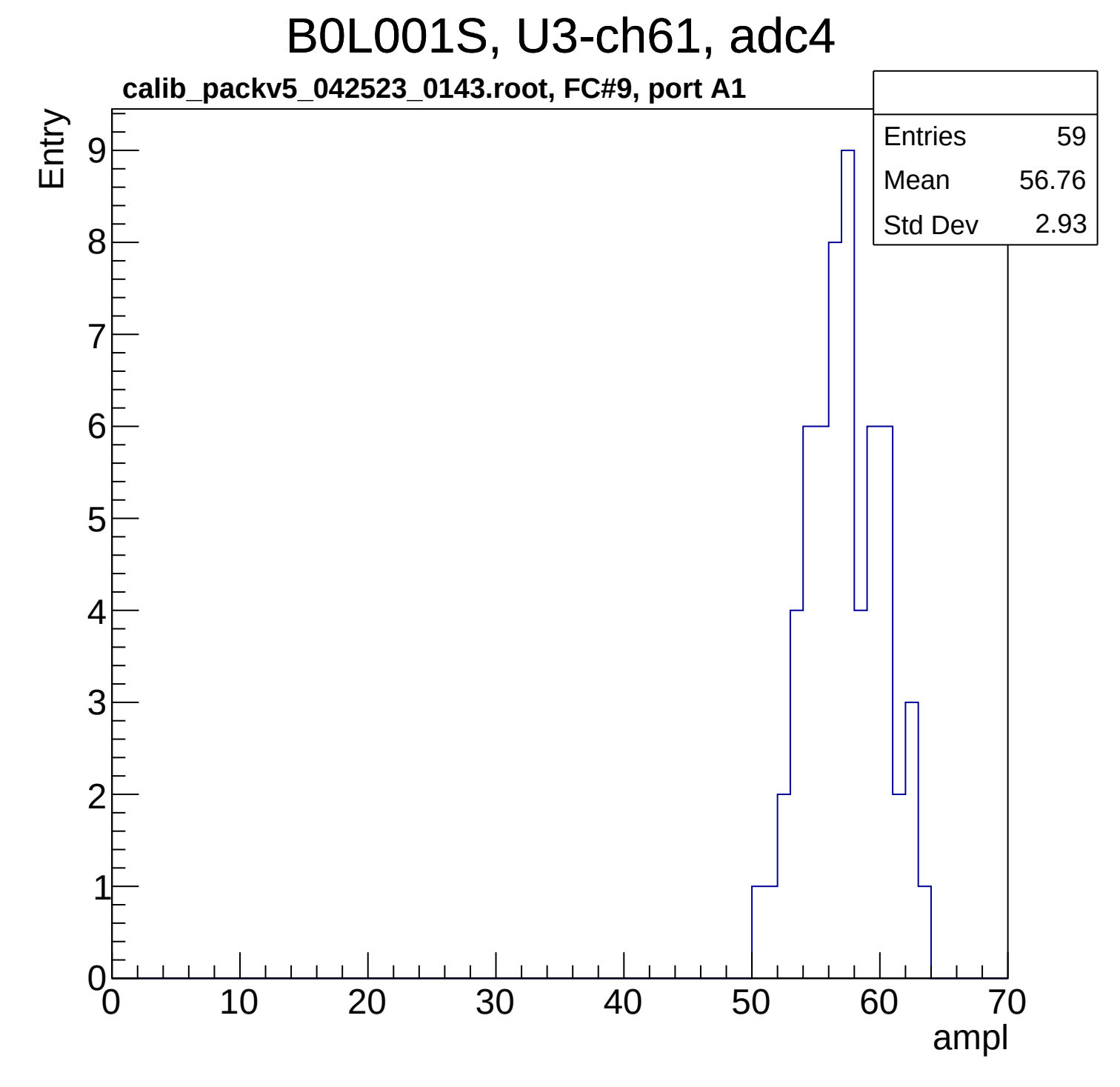
B0L001S, U3-ch61, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 56.76
Std Dev 2.93
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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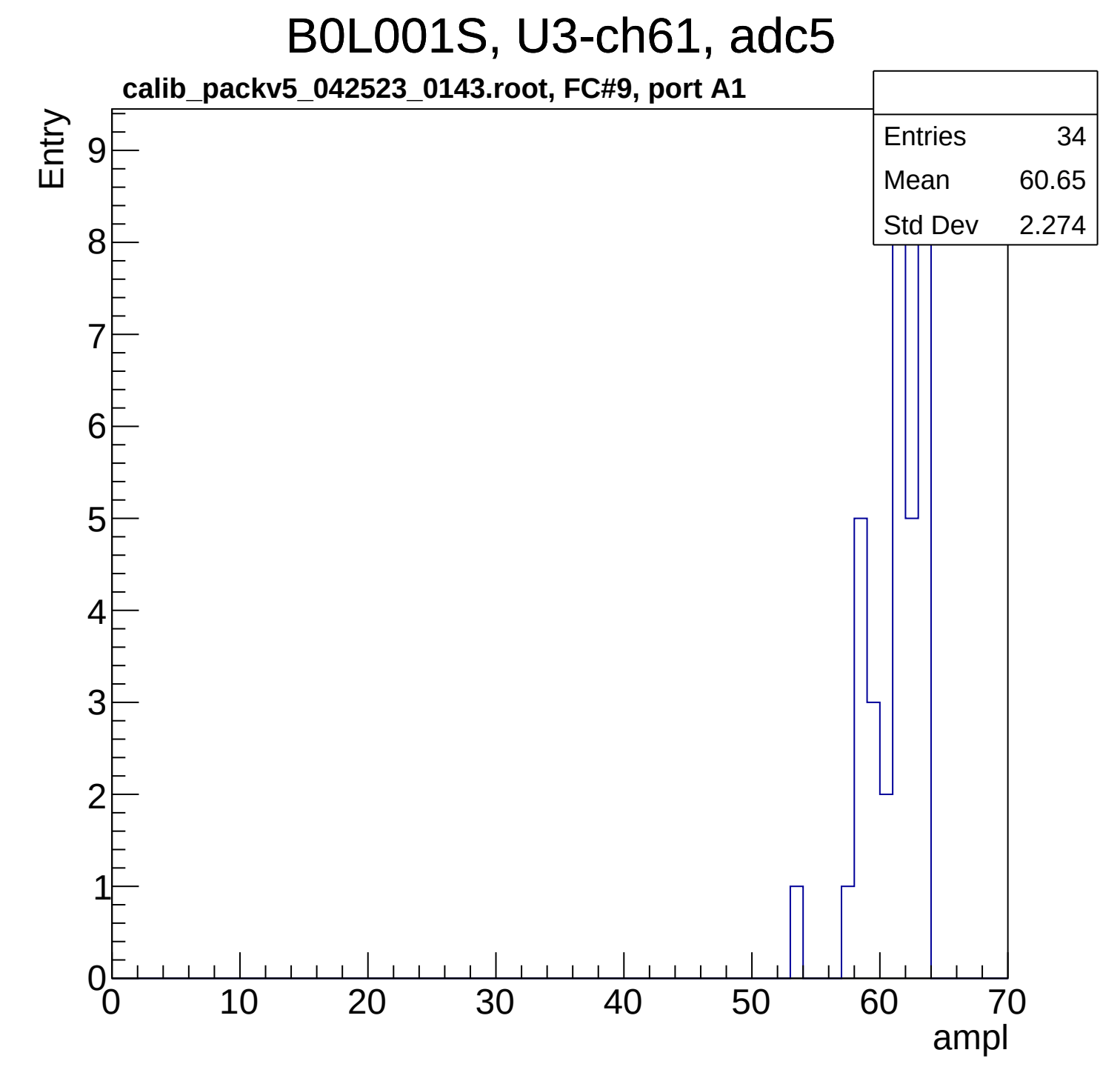
60
70


B0L001S, U3-ch61, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 34
Mean 60.65
Std Dev 2.274
Entry
ampl
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4
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7
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9
0
10
20
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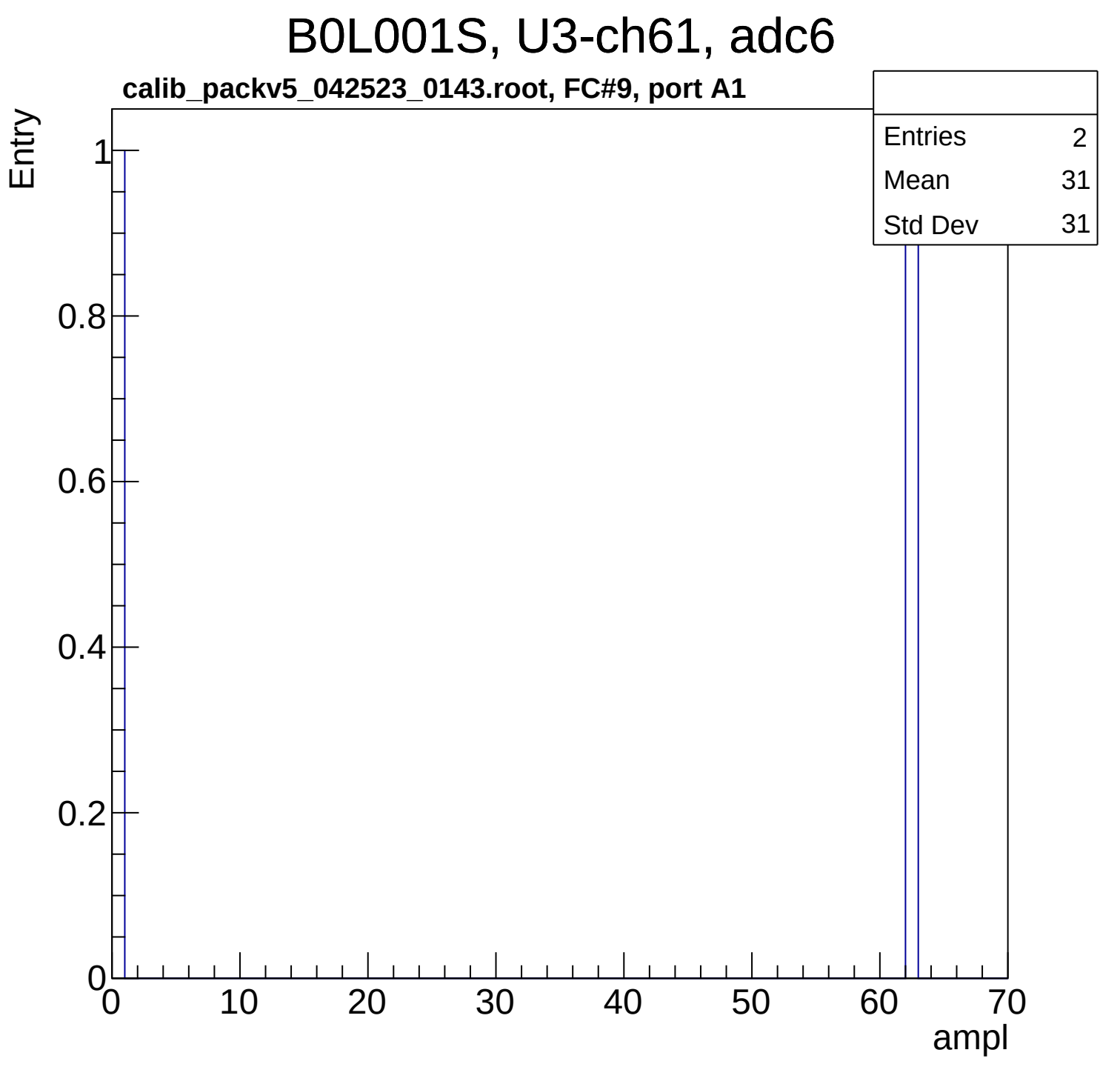
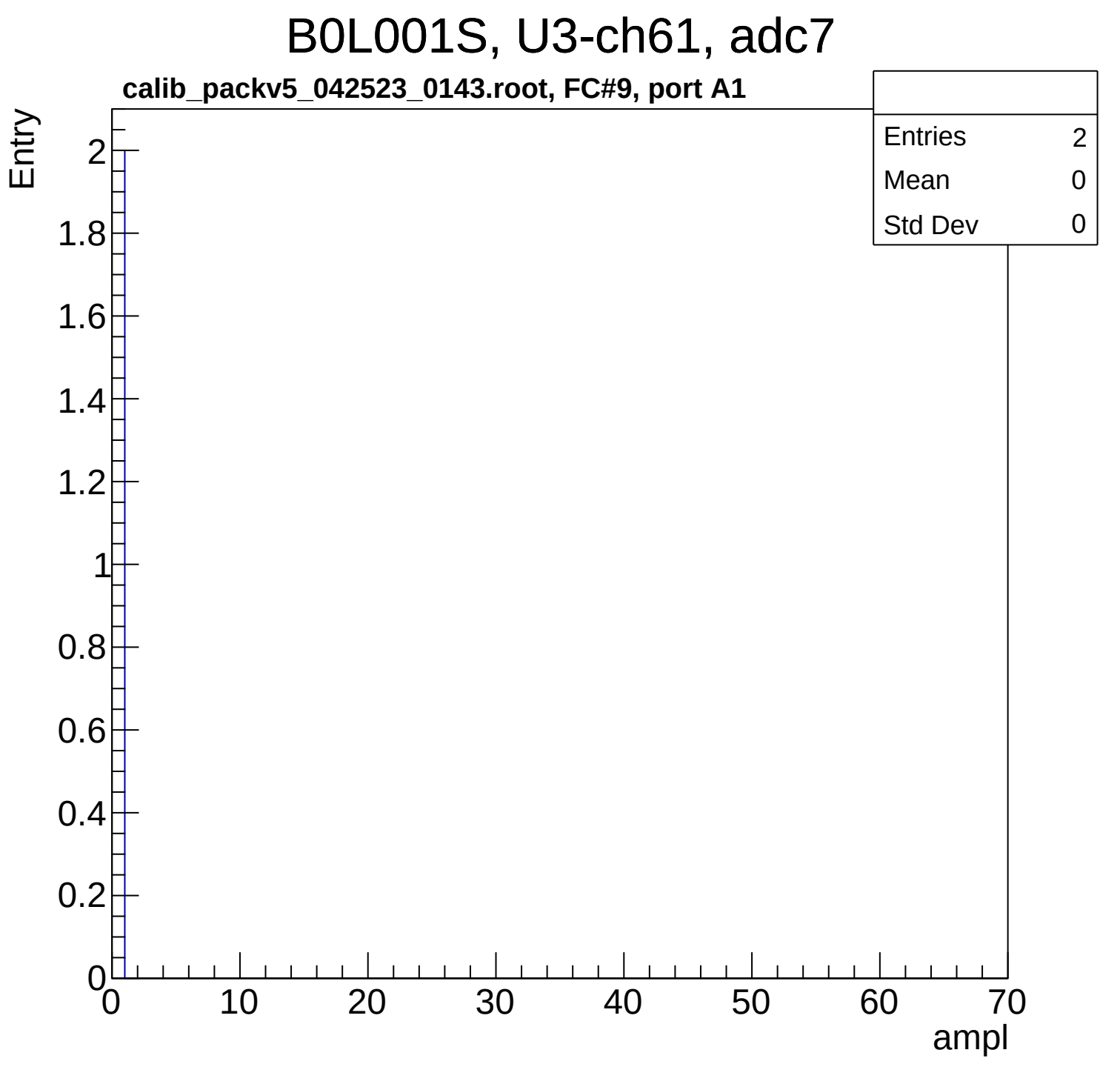

B0L001S, U3-ch61, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 31
Std Dev 31
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch61, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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
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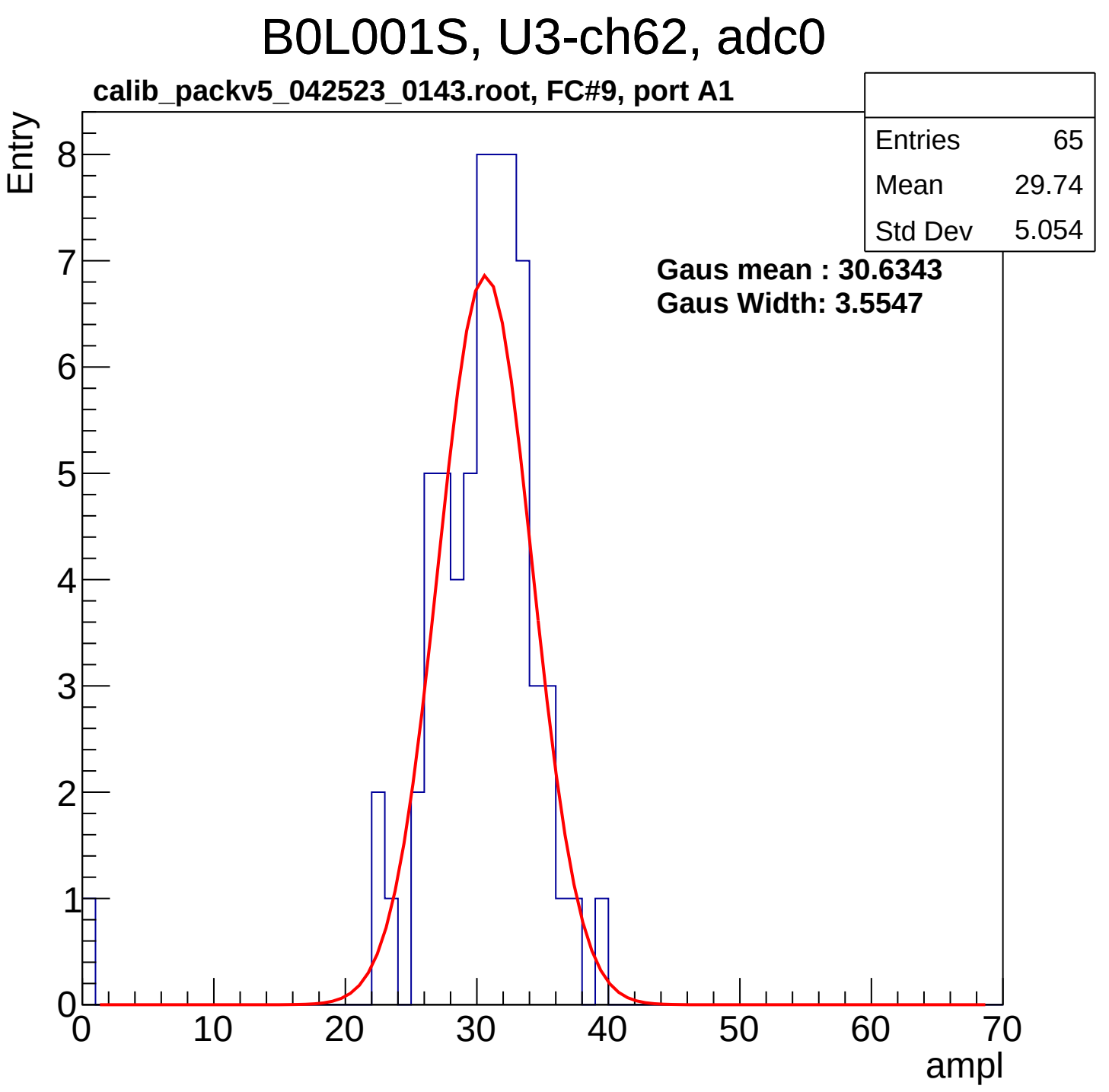
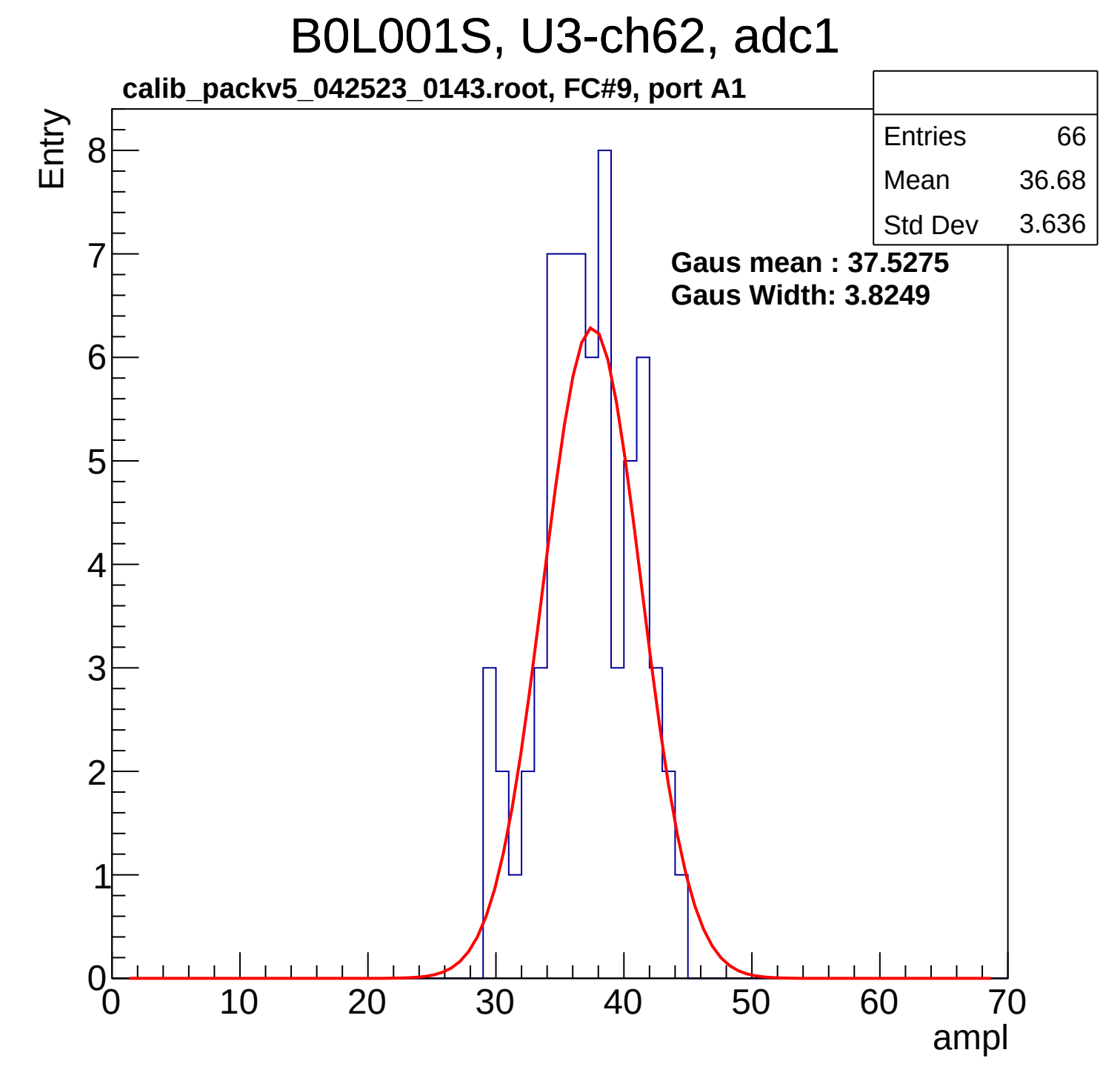
50
60
70
ampl


B0L001S, U3-ch62, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 29.74
Std Dev 5.054
Gaus mean : 30.6343
Gaus Width: 3.5547
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch62, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 36.68
Std Dev 3.636
Gaus mean : 37.5275
Gaus Width: 3.8249
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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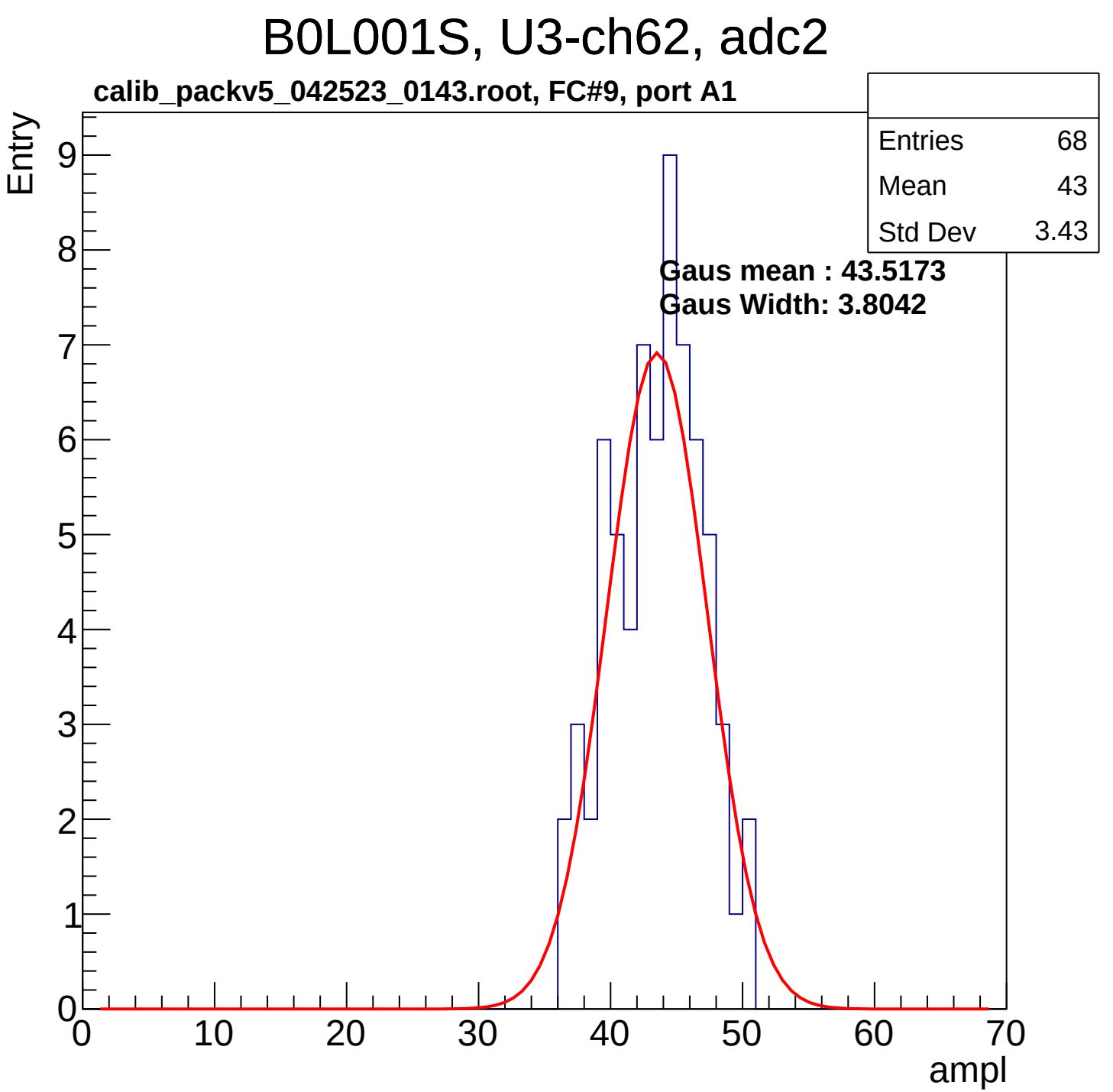
B0L001S, U3-ch62, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 43
Std Dev 3.43
Gaus mean : 43.5173
Gaus Width: 3.8042
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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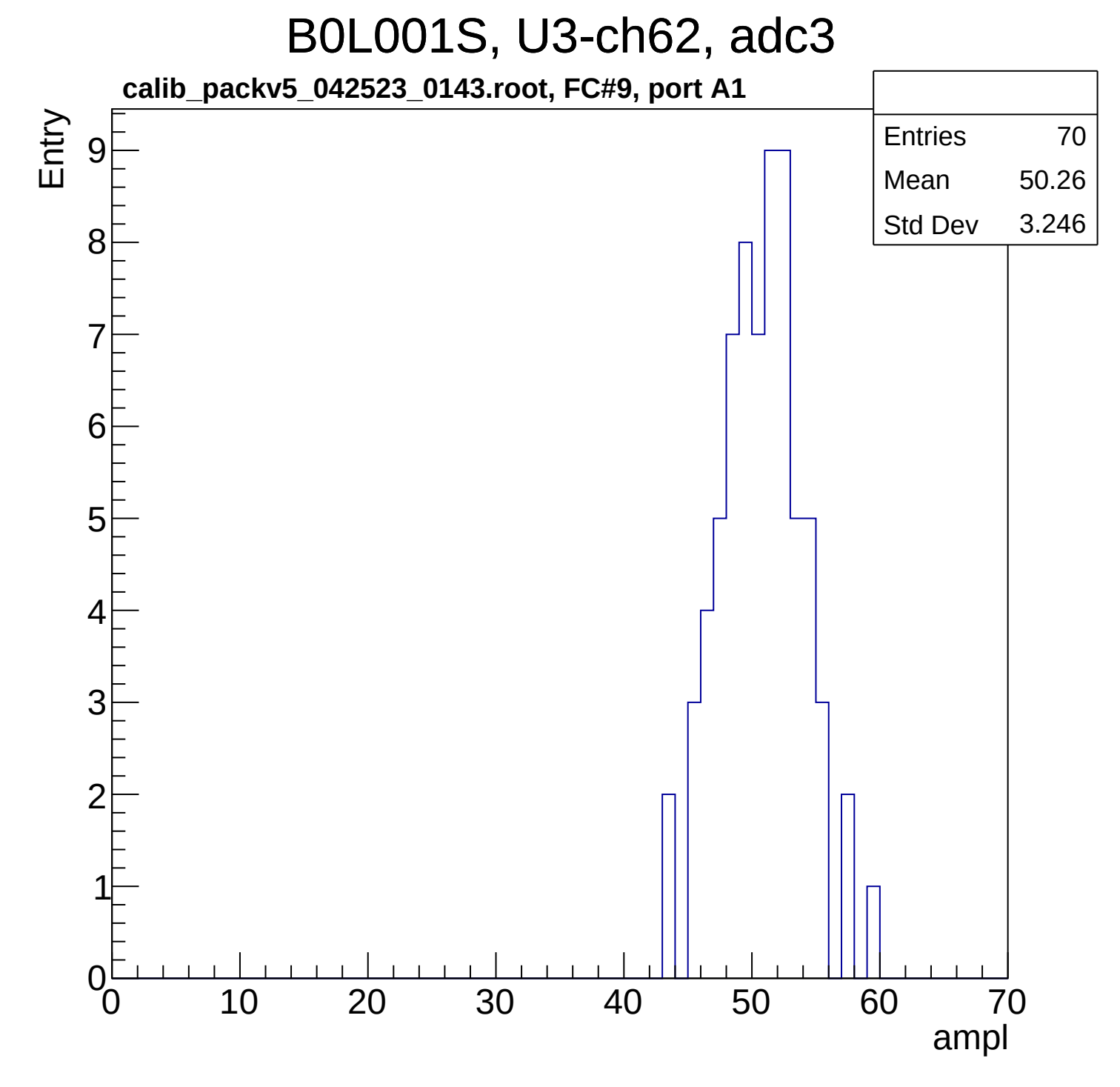
B0L001S, U3-ch62, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 50.26
Std Dev 3.246
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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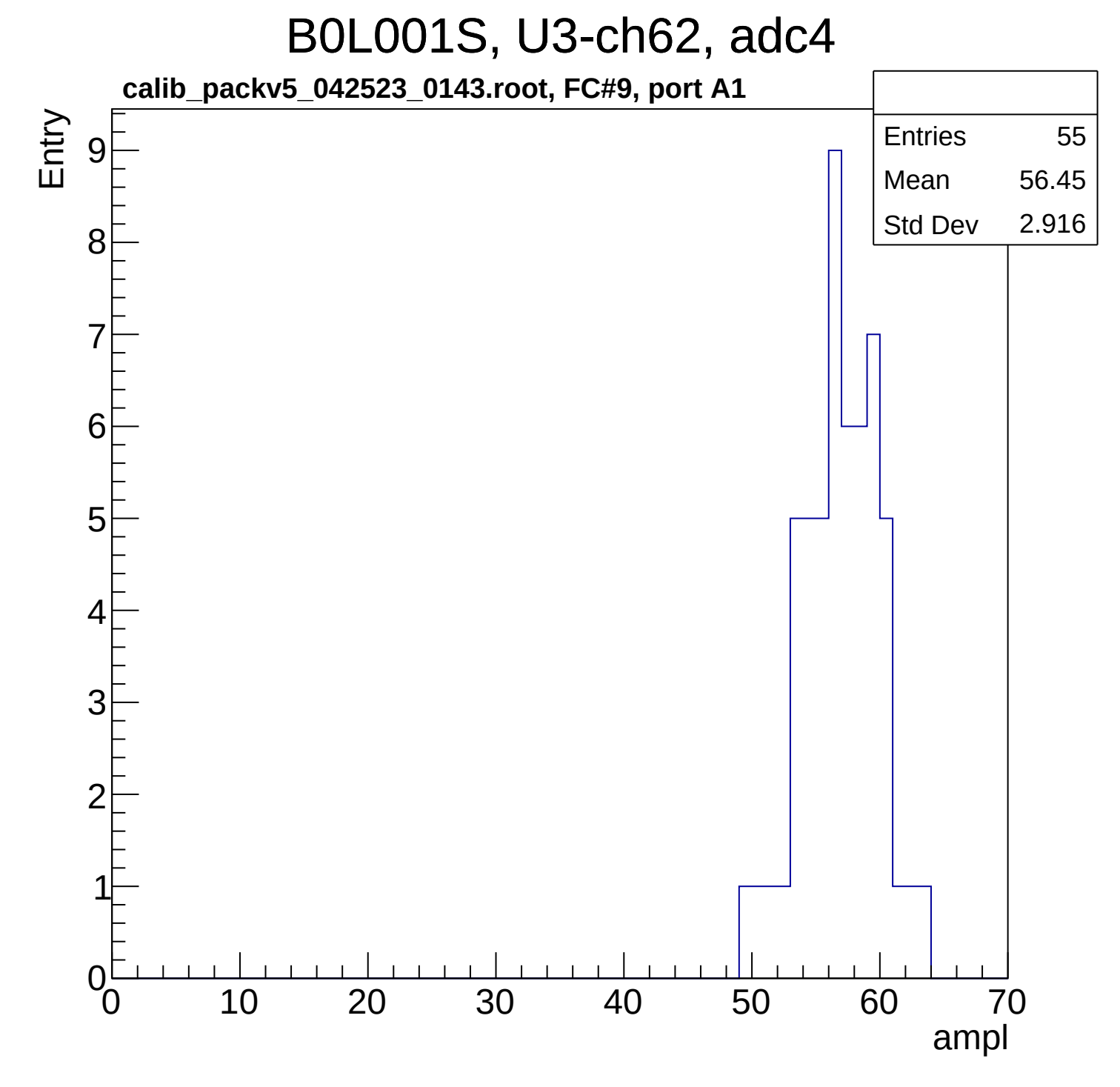
B0L001S, U3-ch62, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 56.45
Std Dev 2.916
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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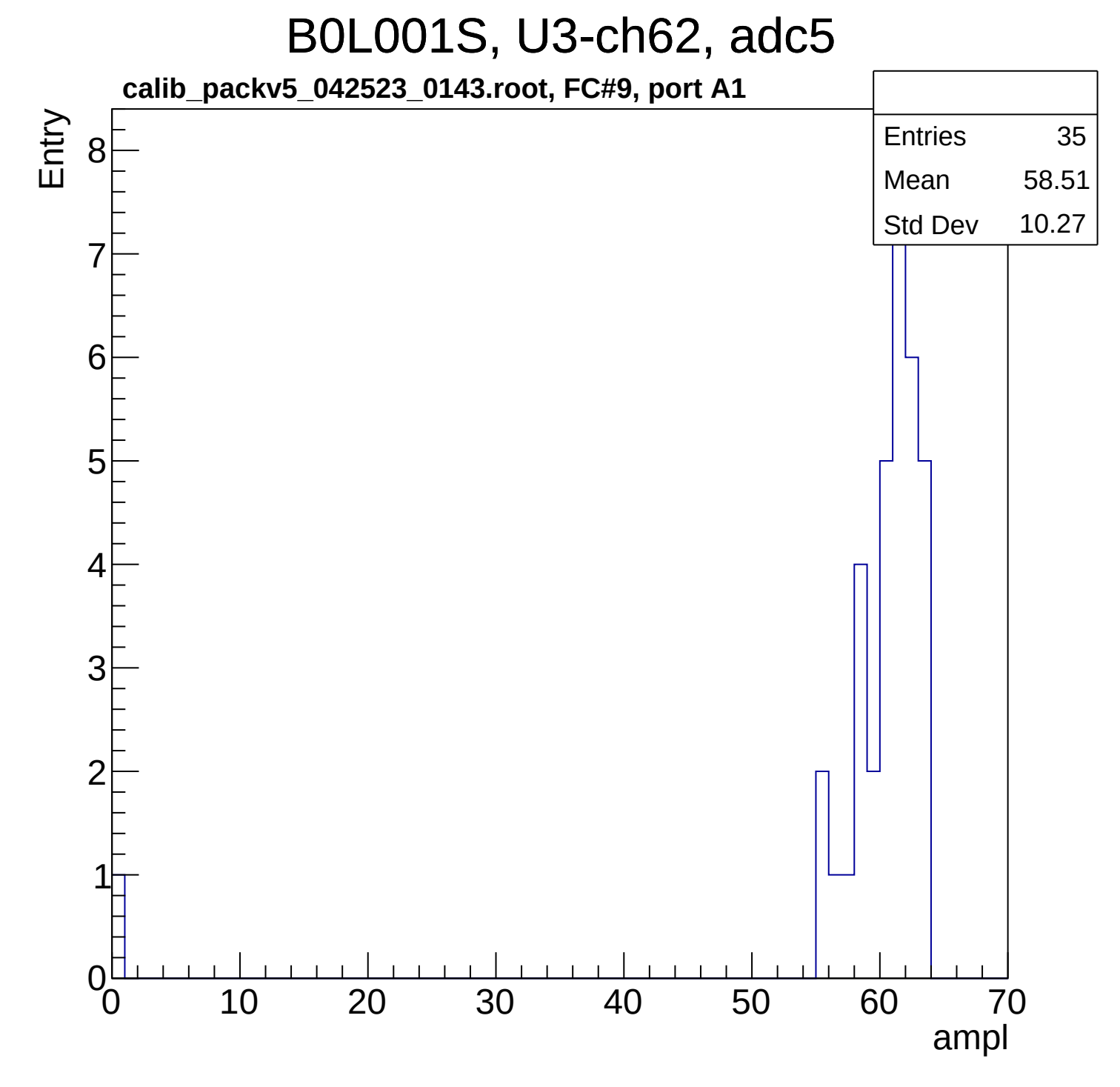
B0L001S, U3-ch62, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 35
Mean 58.51
Std Dev 10.27
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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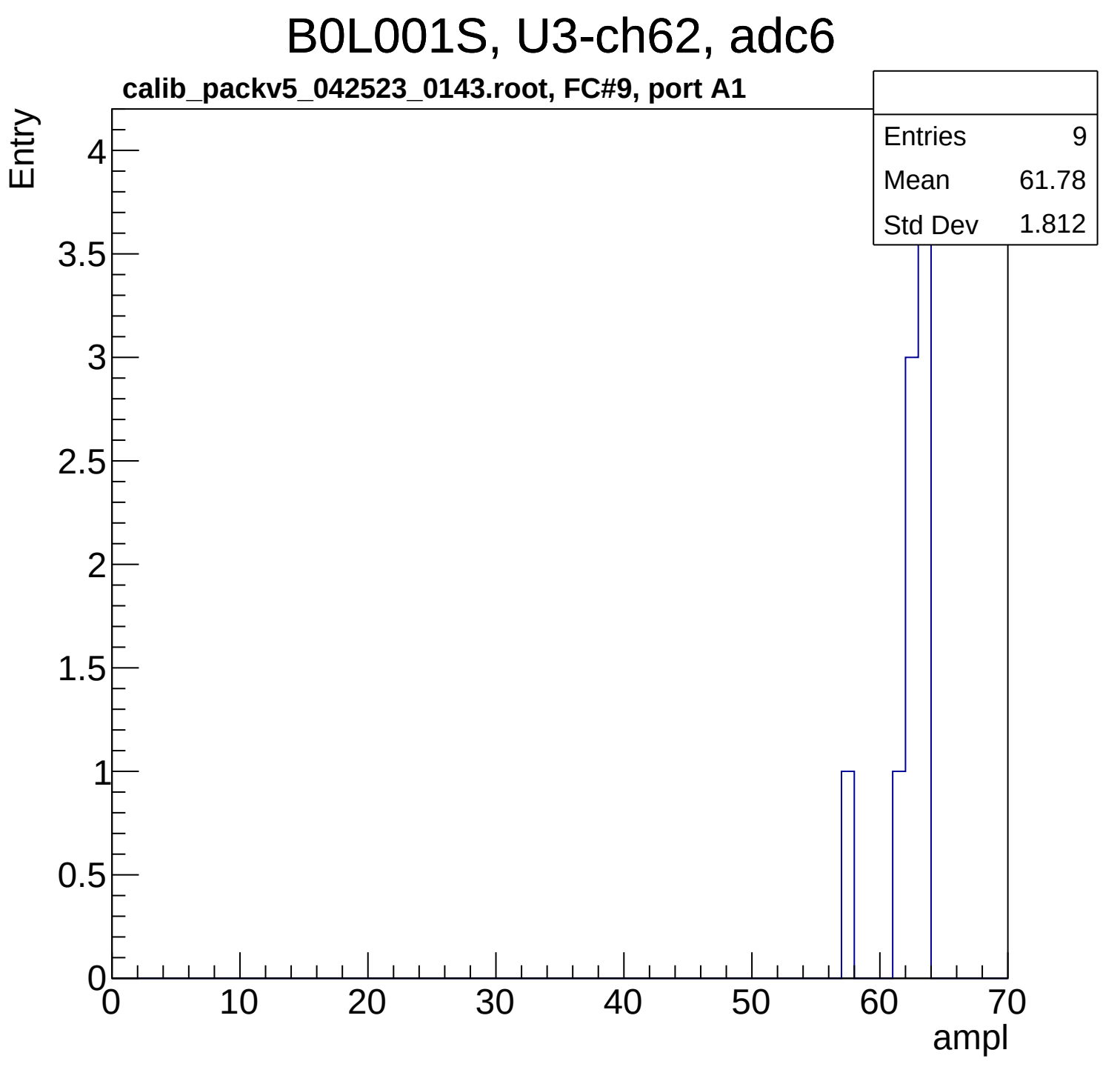
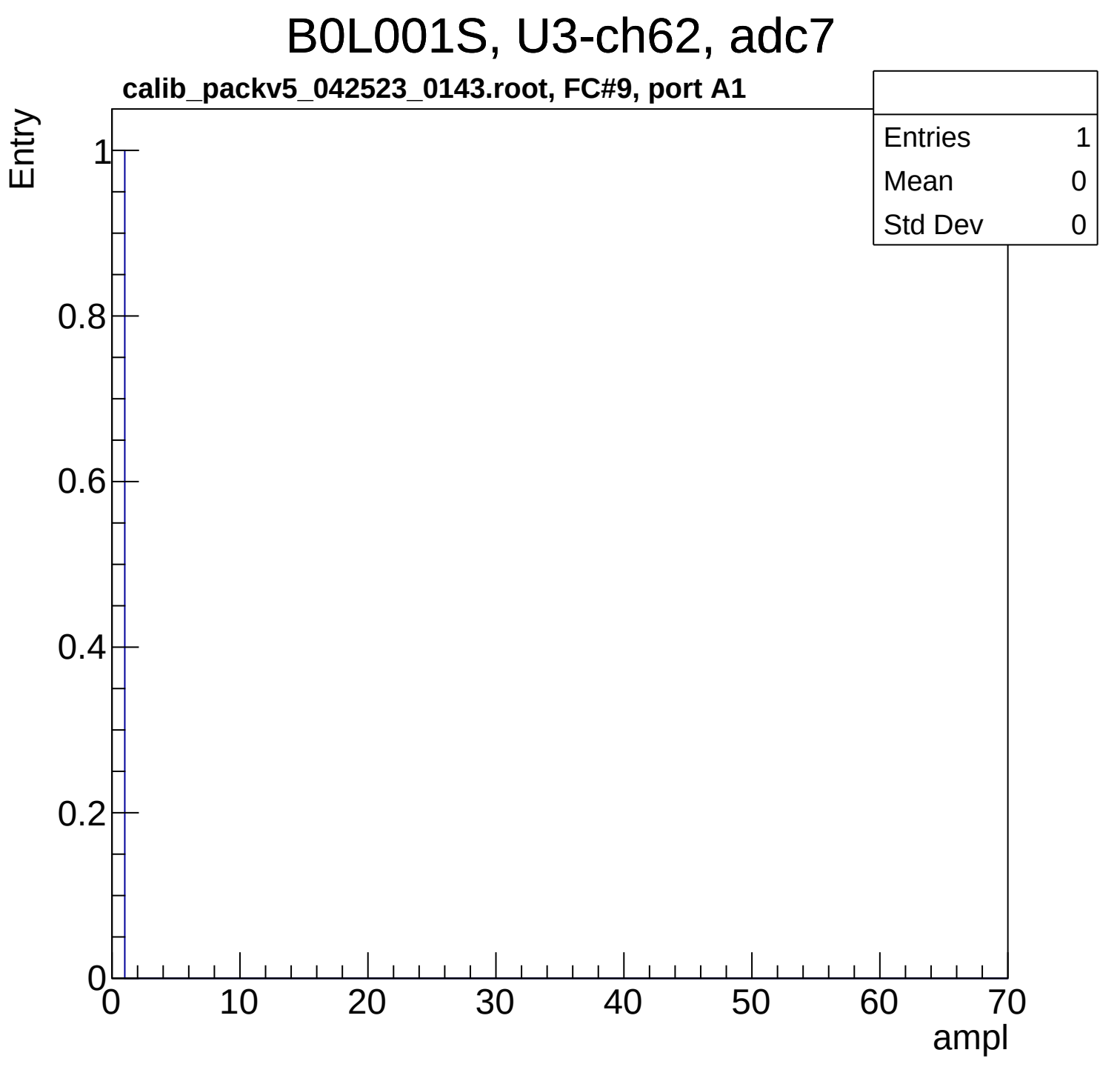
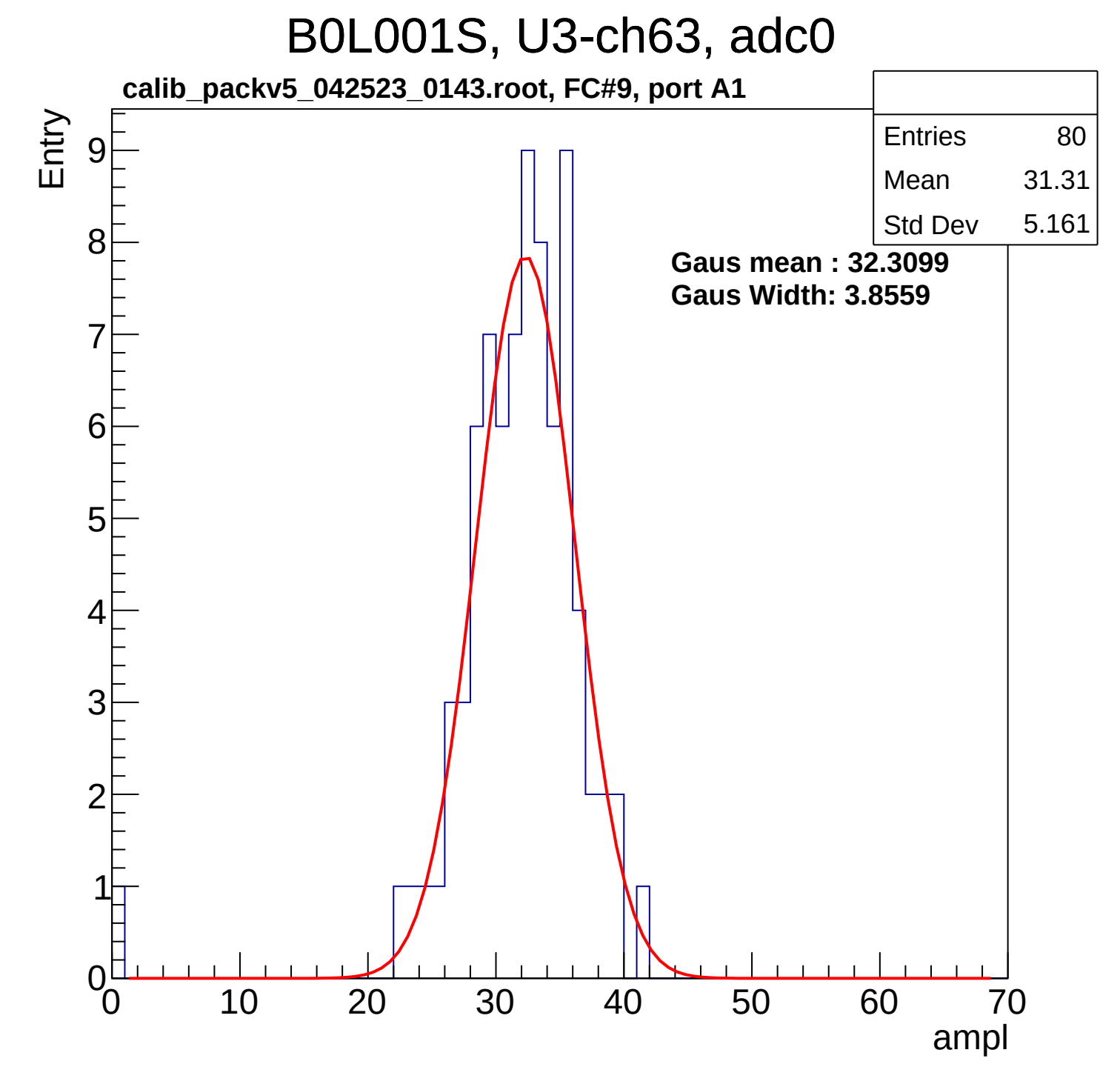

B0L001S, U3-ch62, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 61.78
Std Dev 1.812
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch62, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch63, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 31.31
Std Dev 5.161
Gaus mean : 32.3099
Gaus Width: 3.8559
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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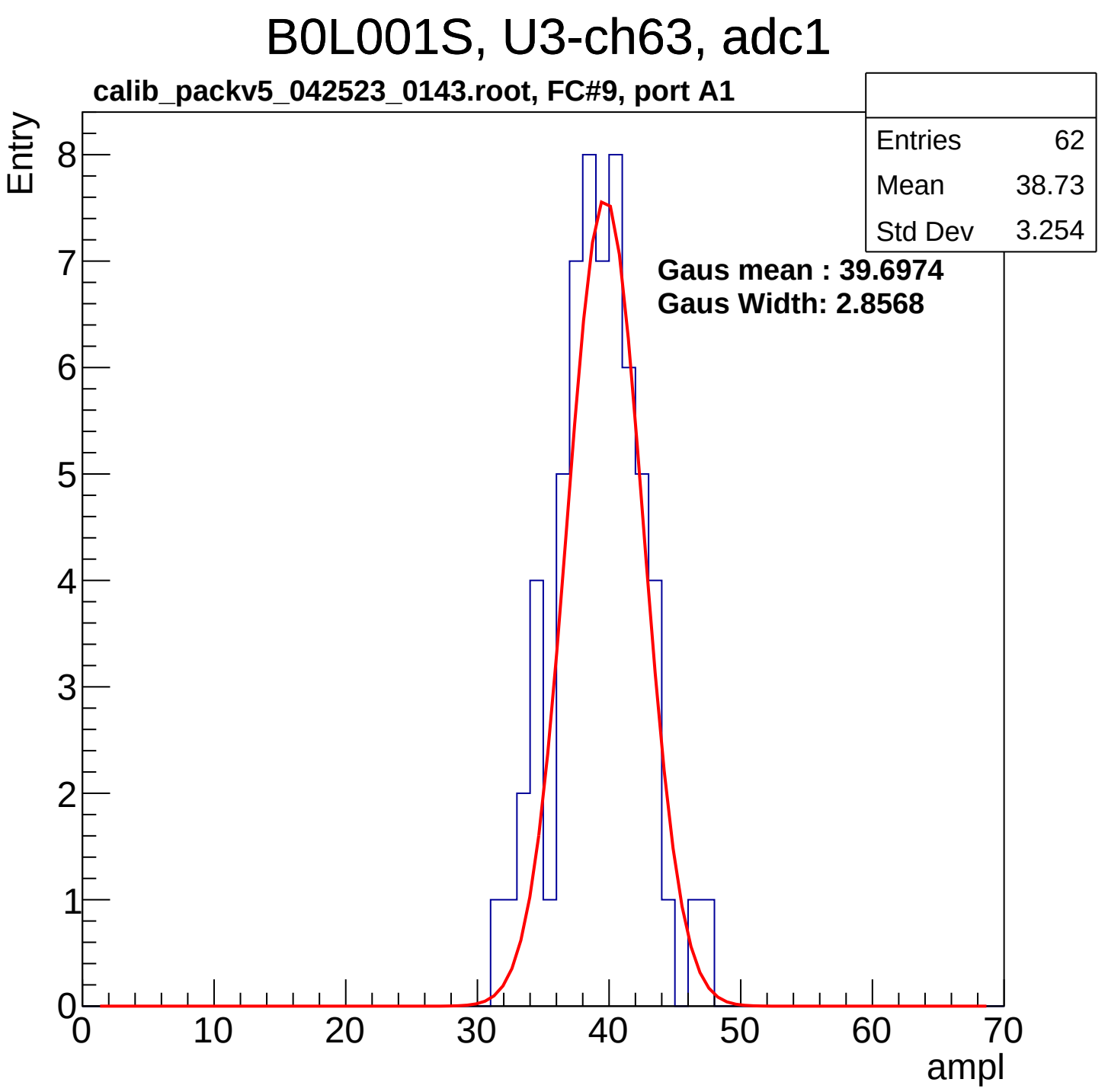
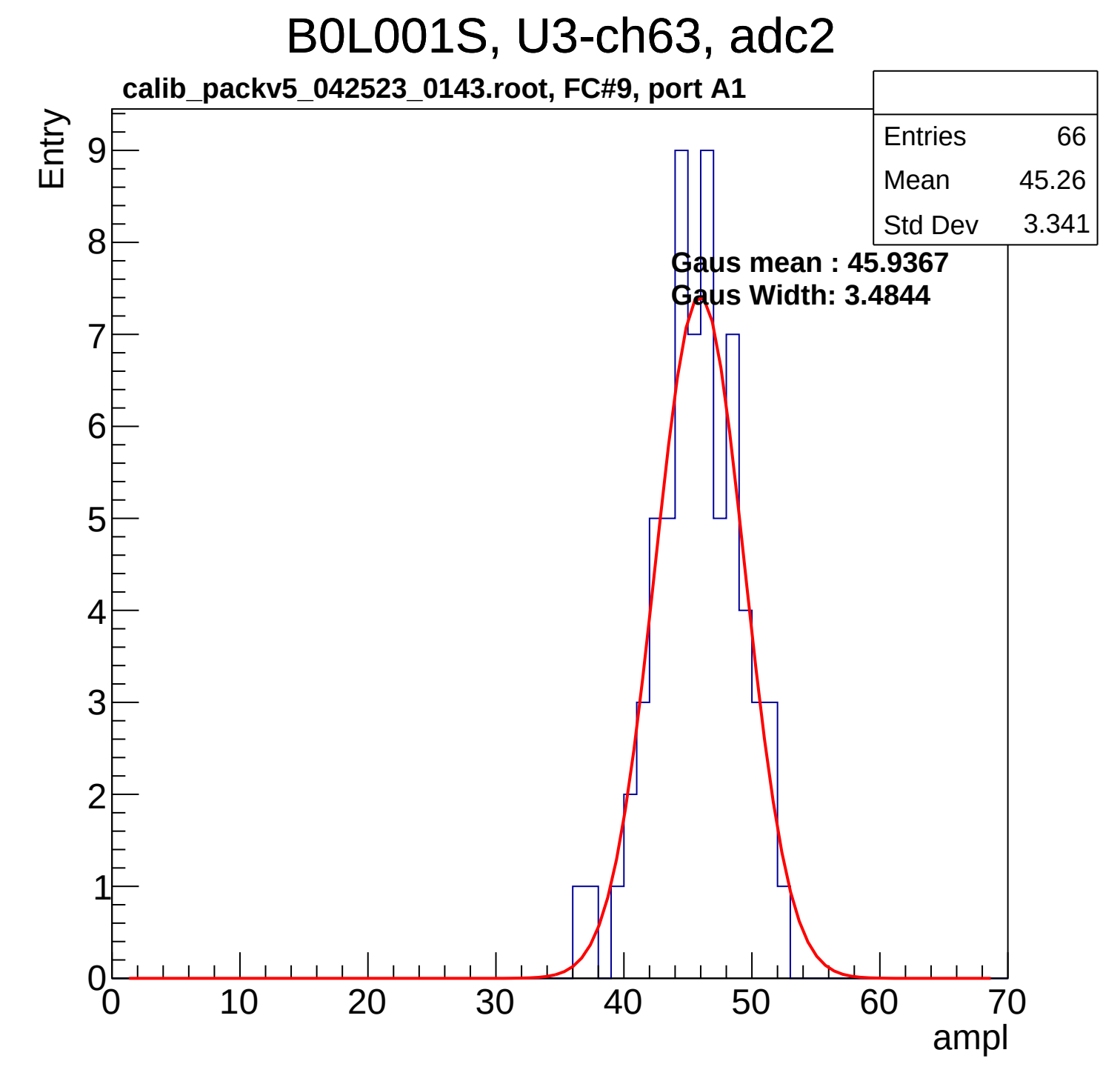
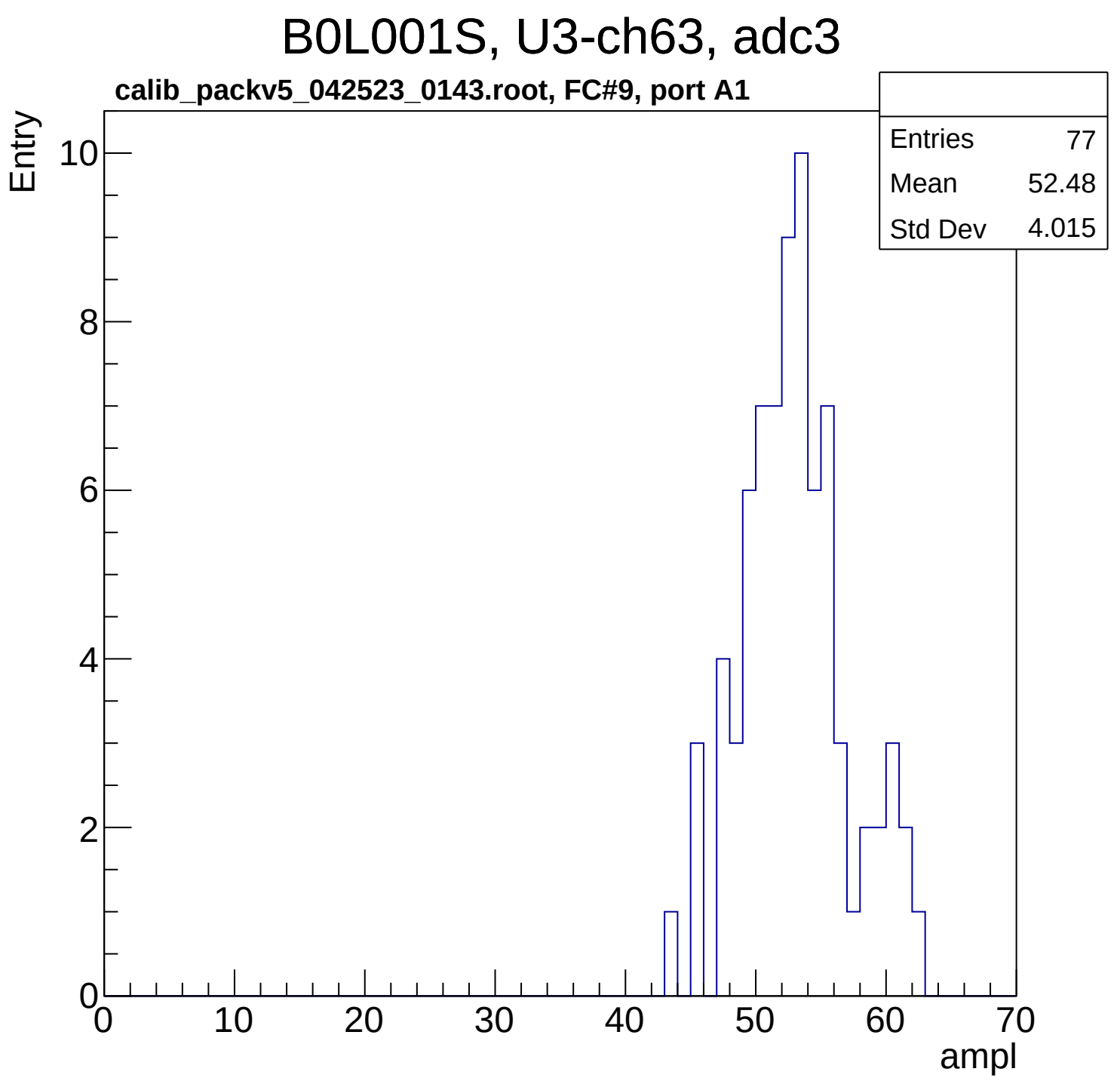
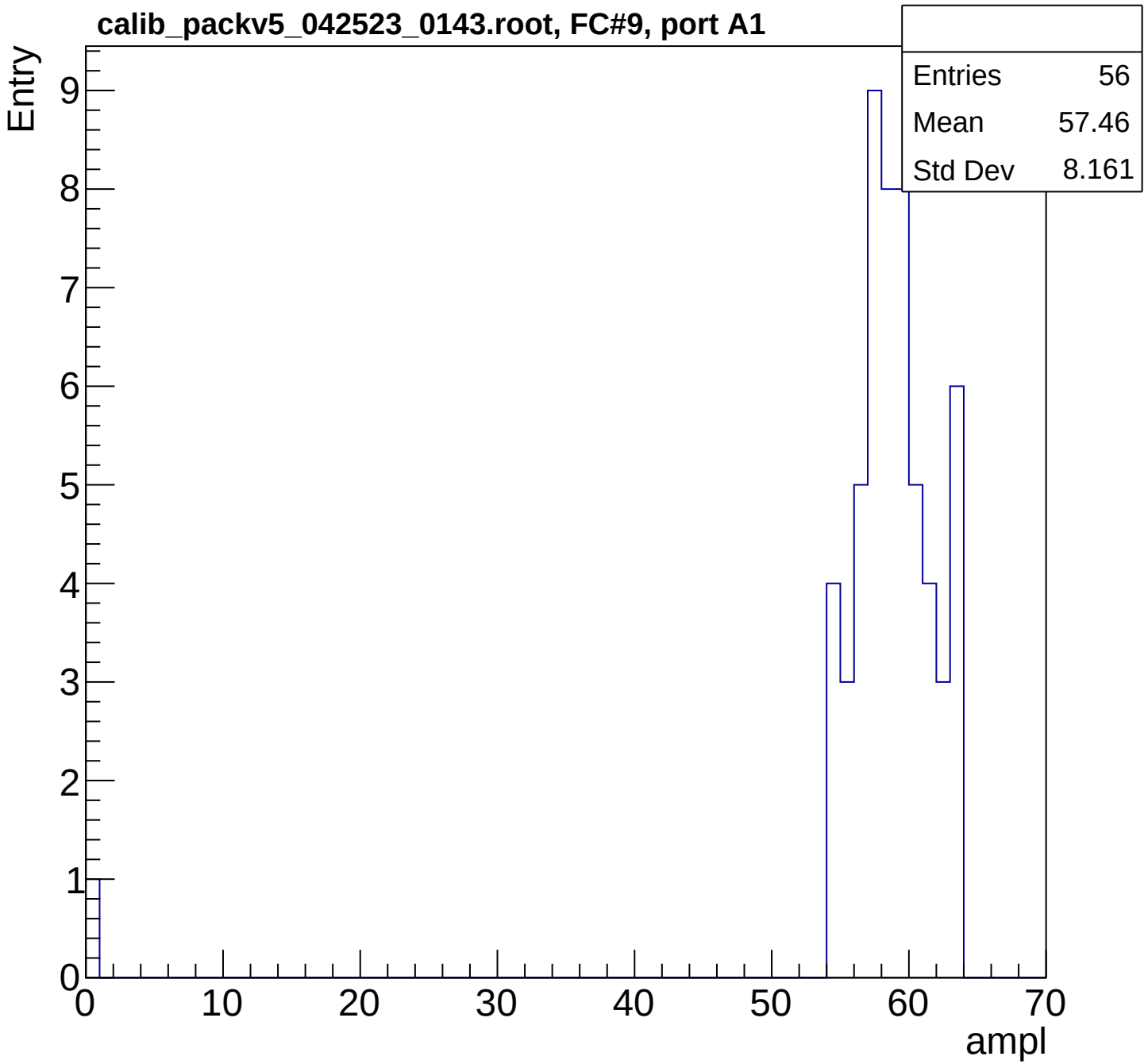
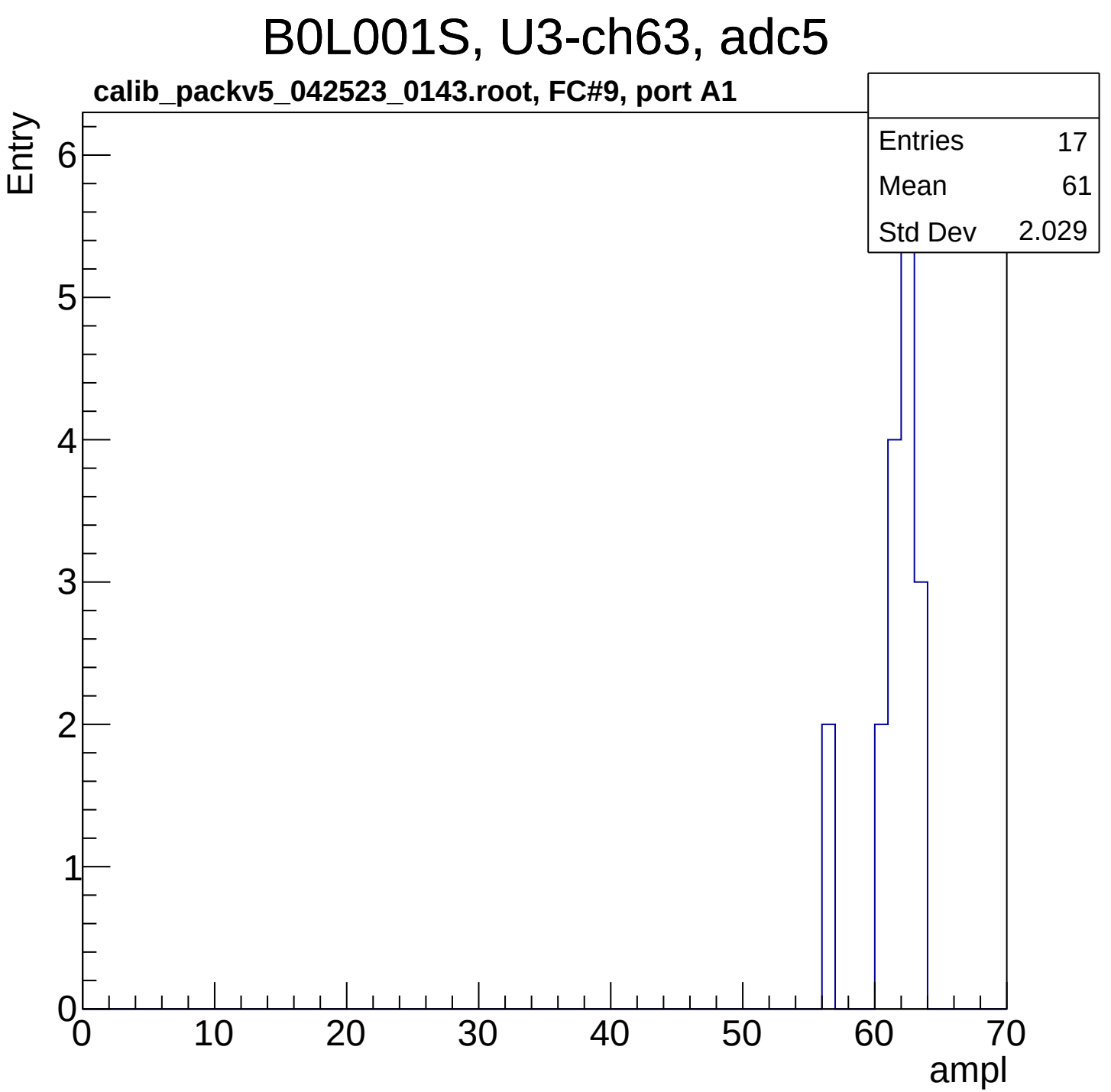
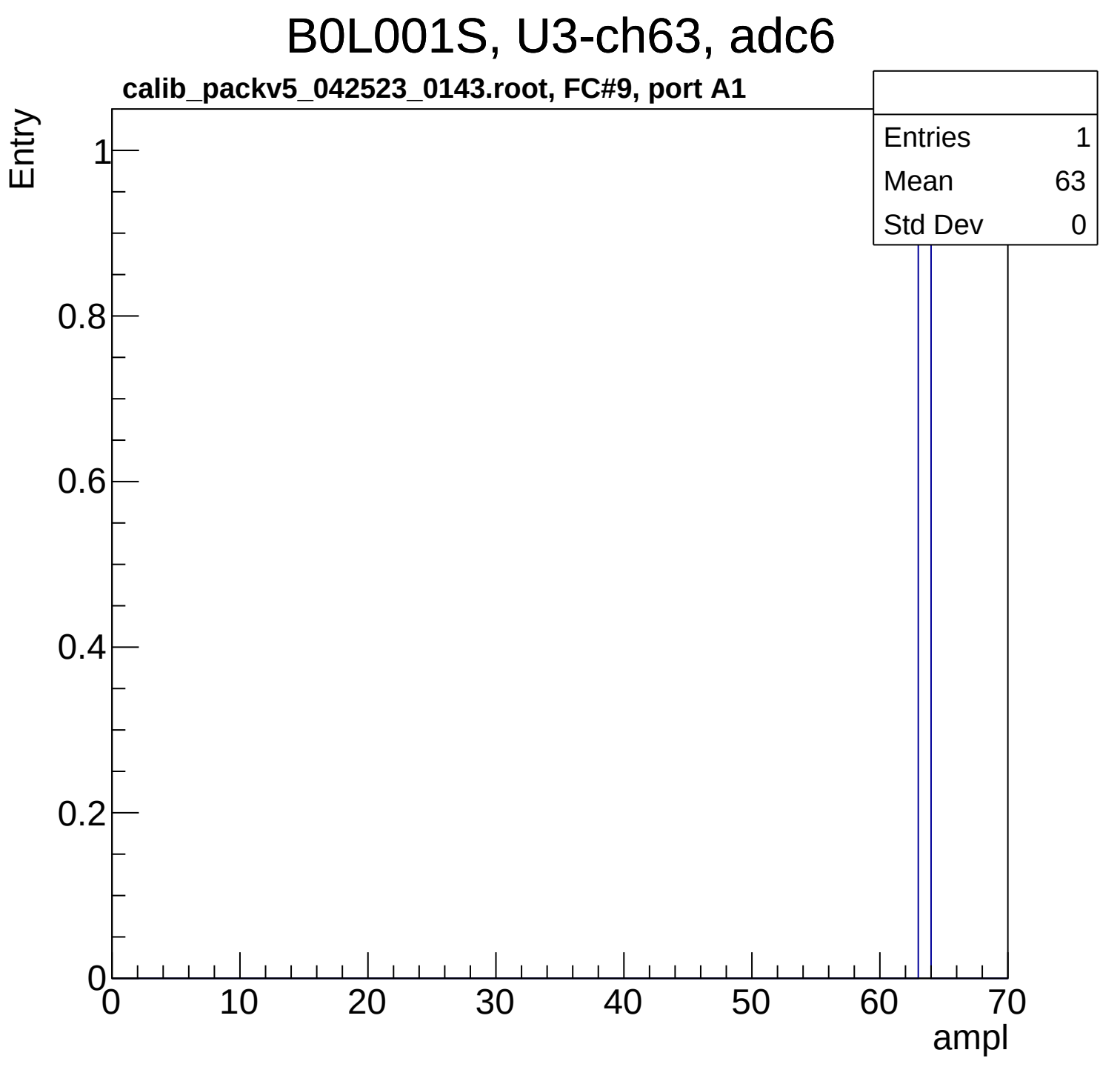

B0L001S, U3-ch63, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 38.73
Std Dev 3.254
Gaus mean : 39.6974
Gaus Width: 2.8568
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

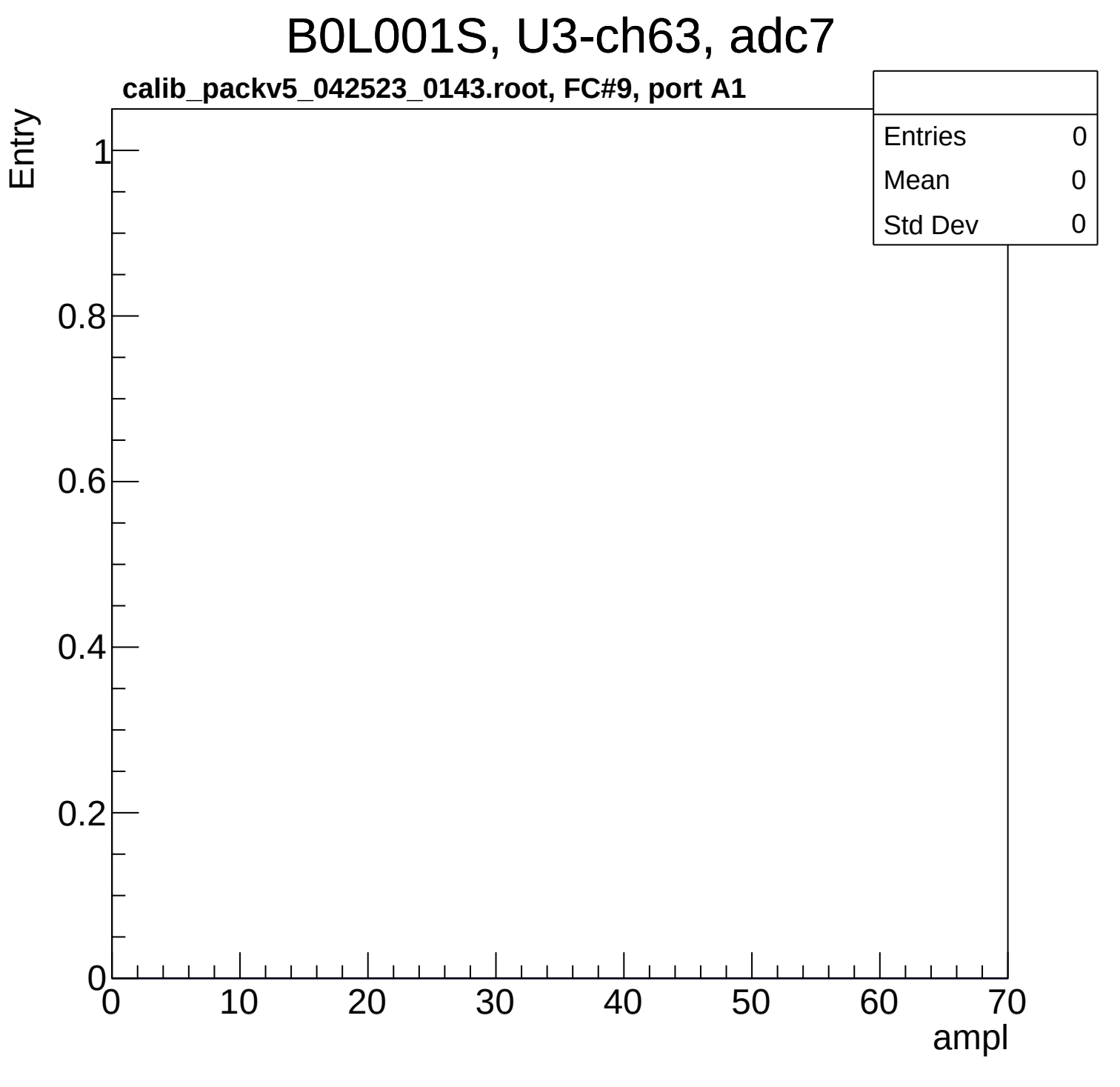

B0L001S, U3-ch63, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 45.26
Std Dev 3.341
Gaus mean : 45.9367
Gaus Width: 3.4844
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

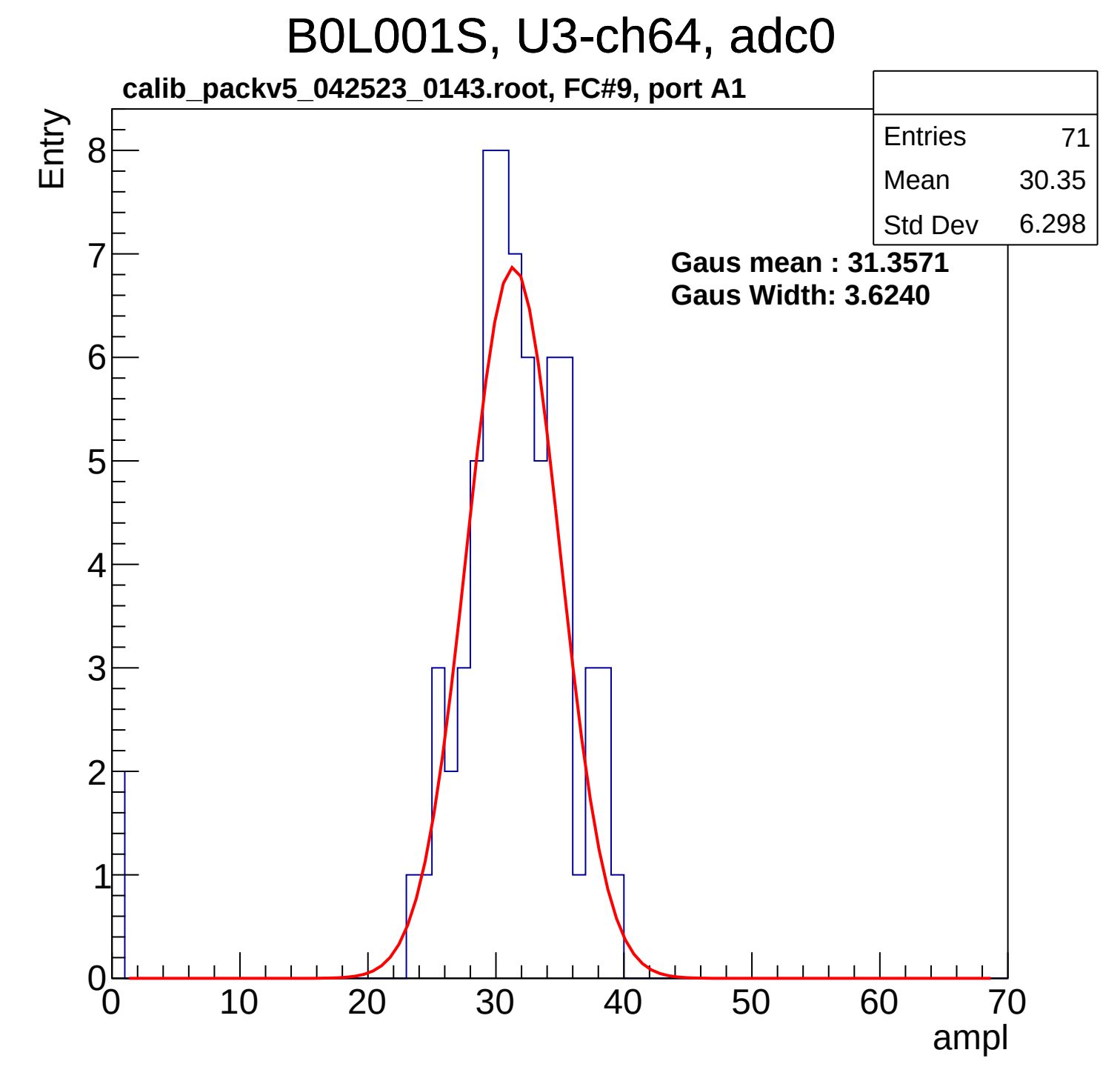

B0L001S, U3-ch63, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 52.48
Std Dev 4.015
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

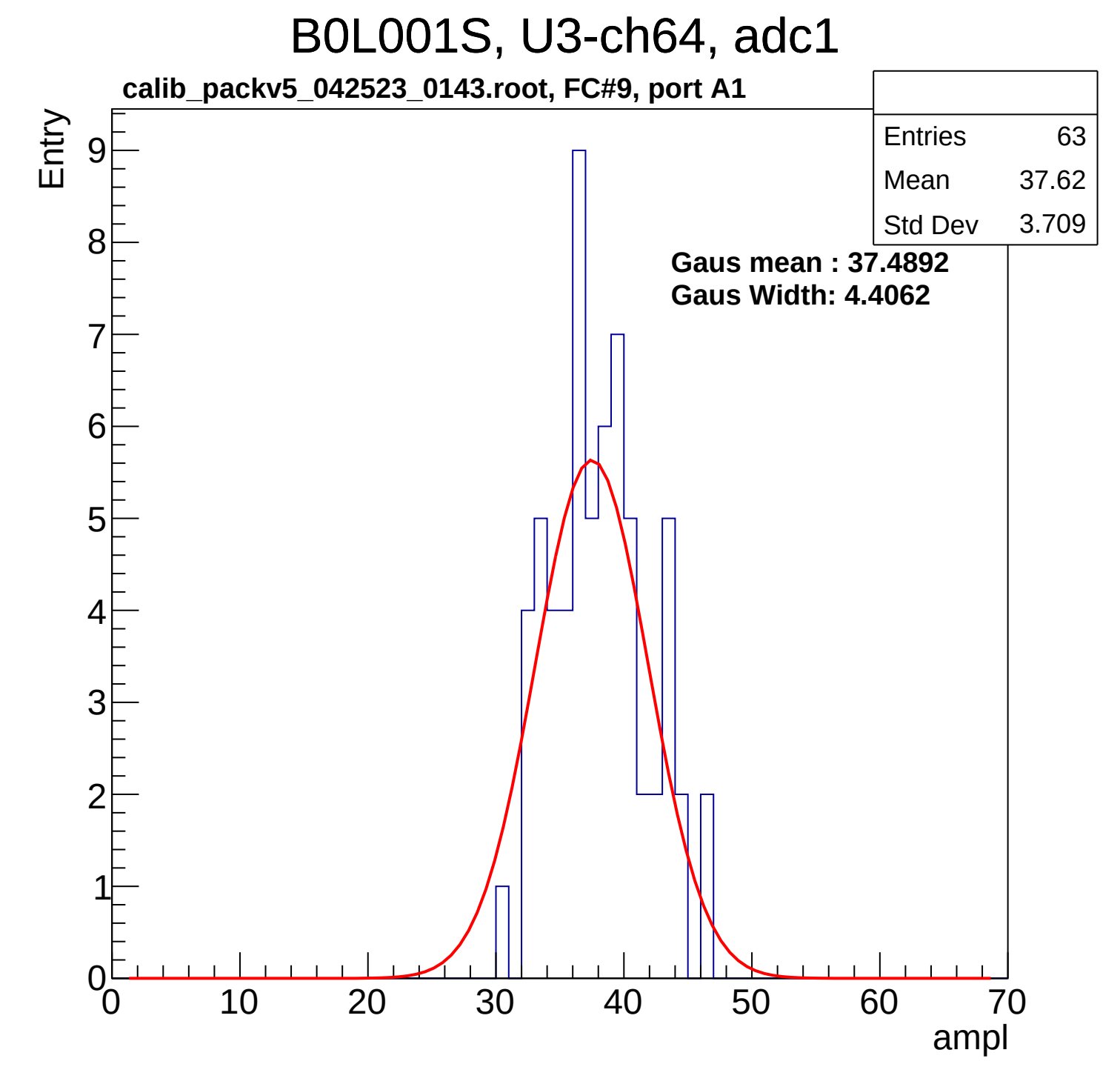

B0L001S, U3-ch63, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 57.46
Std Dev 8.161
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

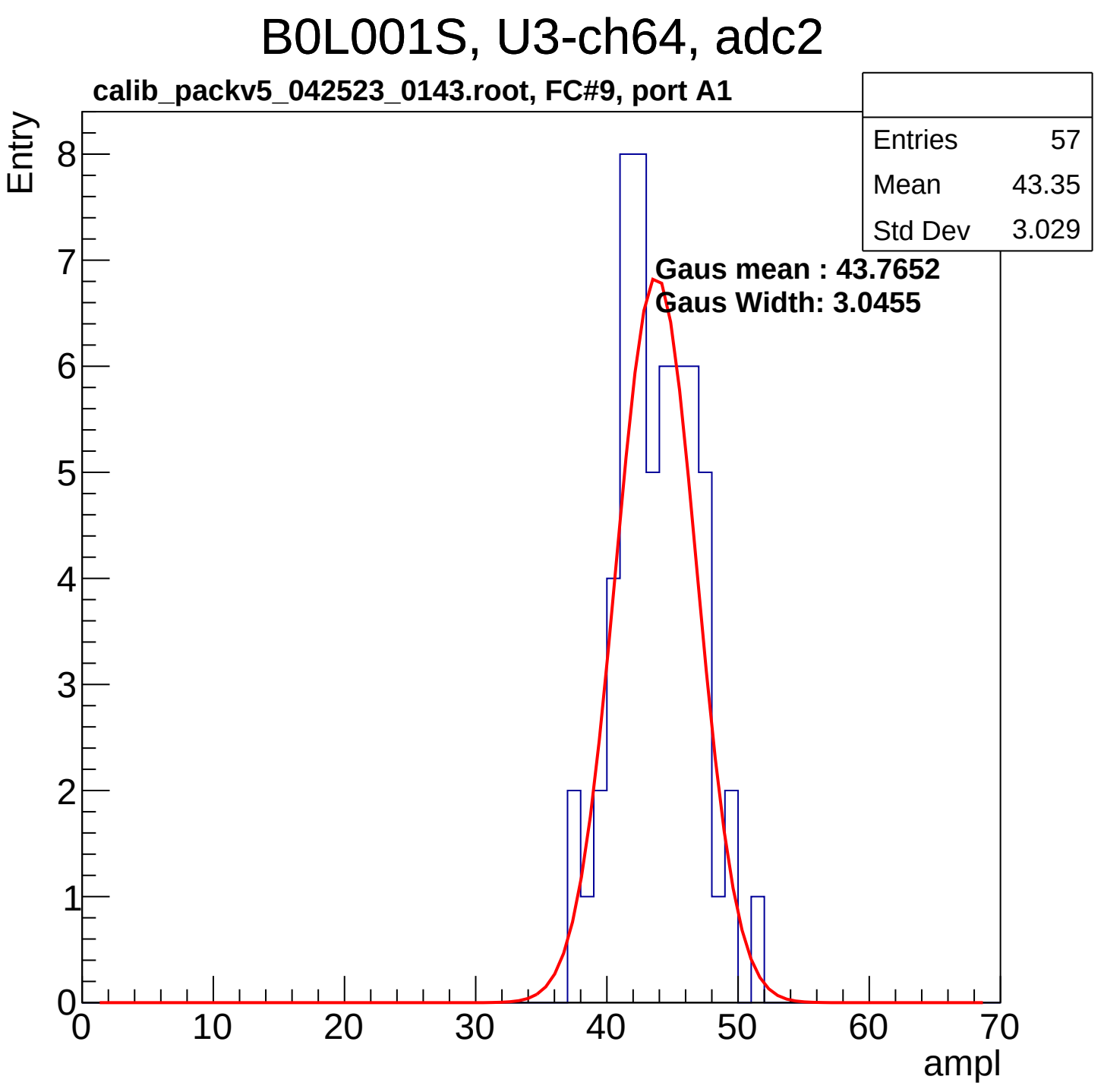

B0L001S, U3-ch63, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 17
Mean 61
Std Dev 2.029
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

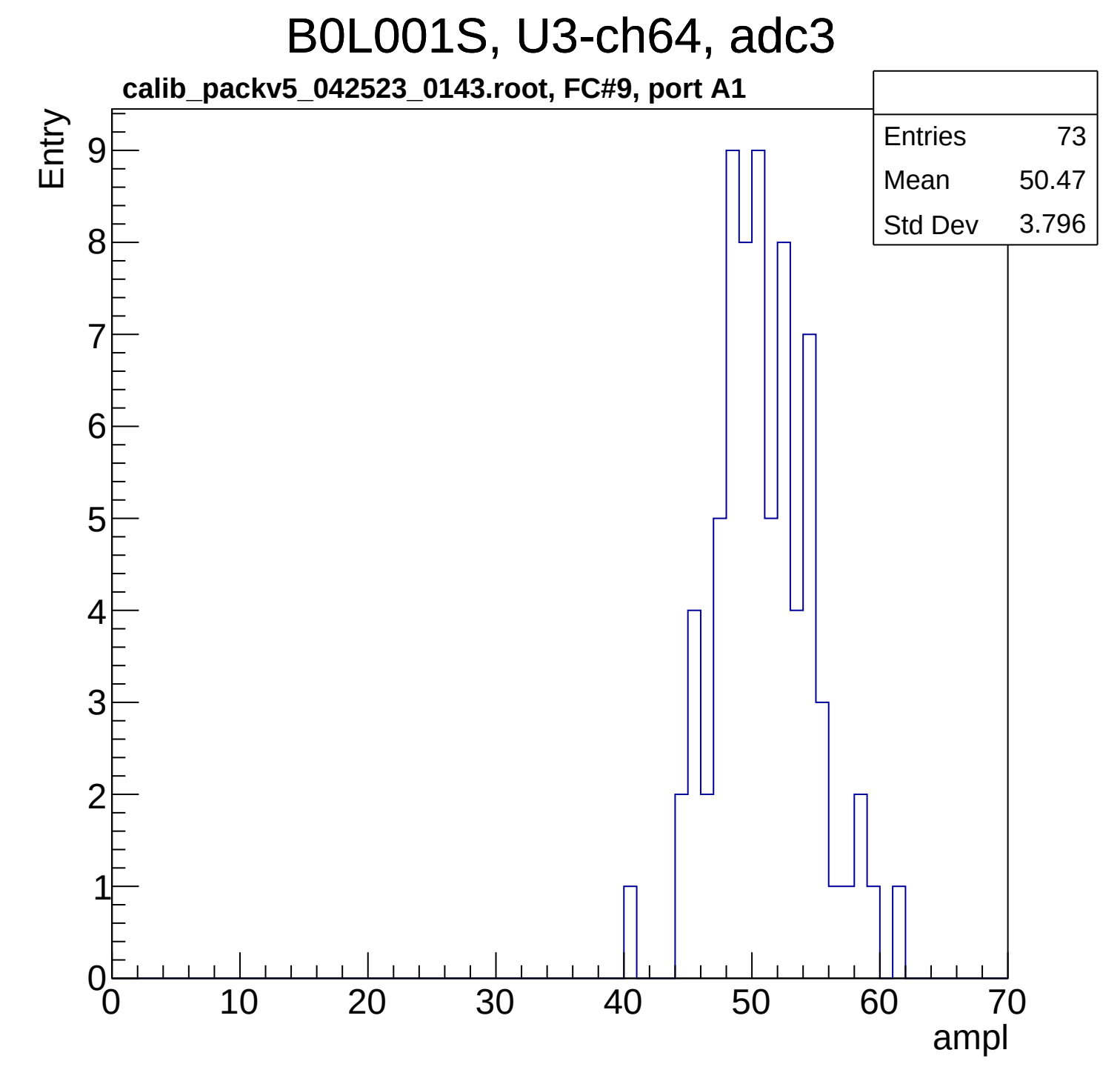

B0L001S, U3-ch63, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch63, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch64, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 30.35
Std Dev 6.298
Gaus mean : 31.3571
Gaus Width: 3.6240
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch64, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 37.62
Std Dev 3.709
Gaus mean : 37.4892
Gaus Width: 4.4062
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch64, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 43.35
Std Dev 3.029
Gaus mean : 43.7652
Gaus Width: 3.0455
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch64, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 50.47
Std Dev 3.796
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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40
50
60
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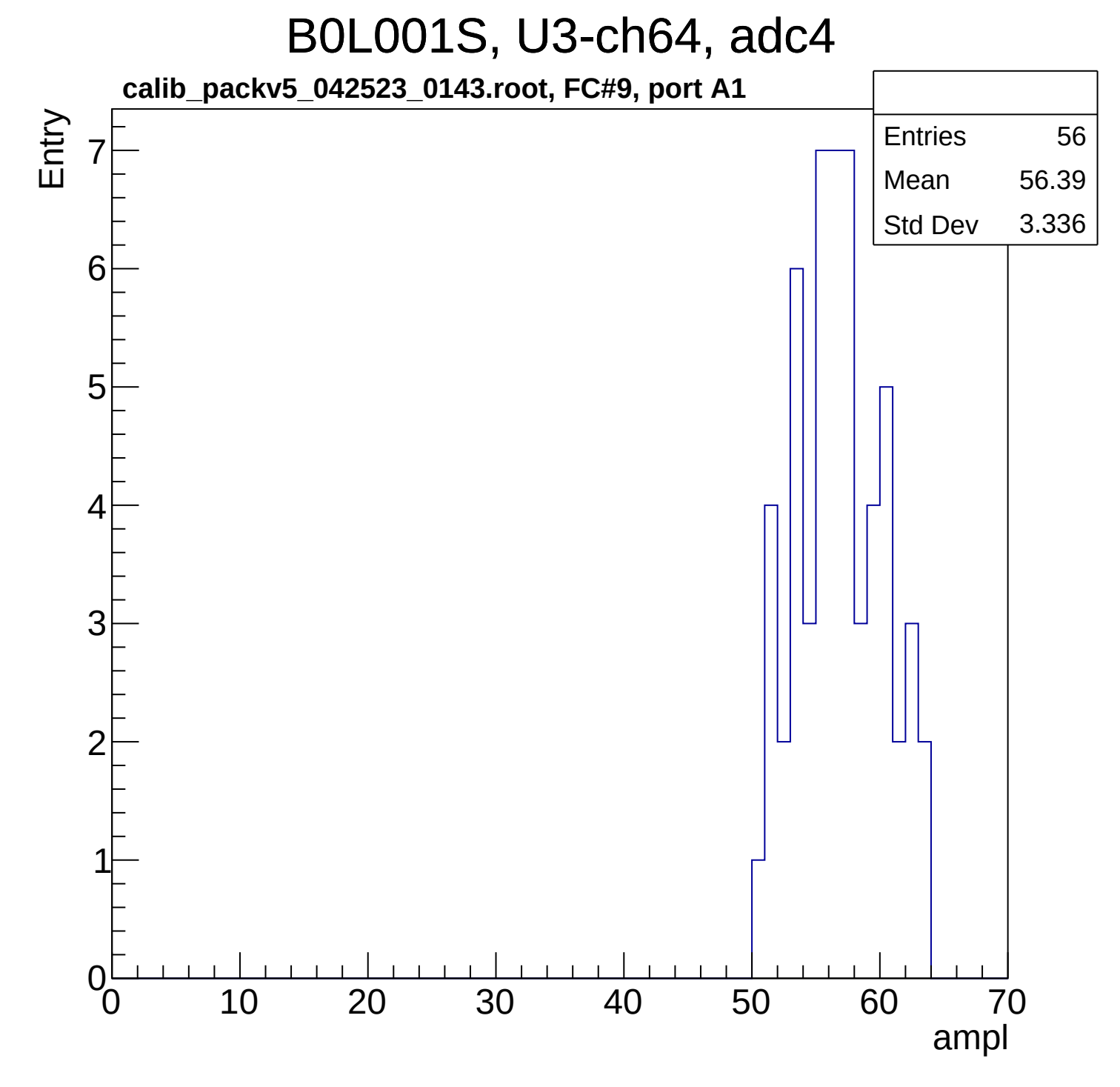
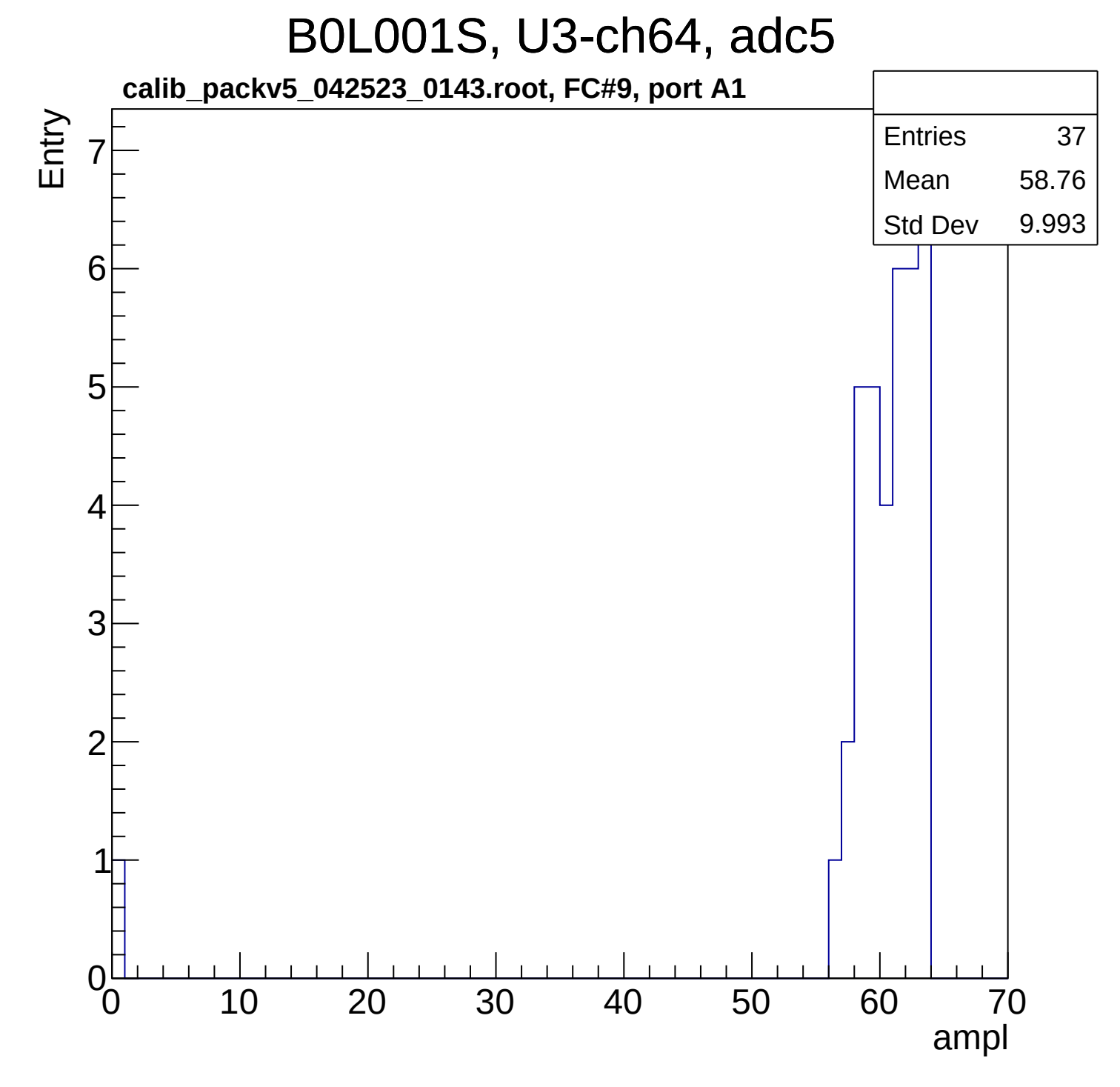

B0L001S, U3-ch64, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 56.39
Std Dev 3.336
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch64, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 37
Mean 58.76
Std Dev 9.993
Entry
ampl
0
1
2
3
4
5
6
7
0
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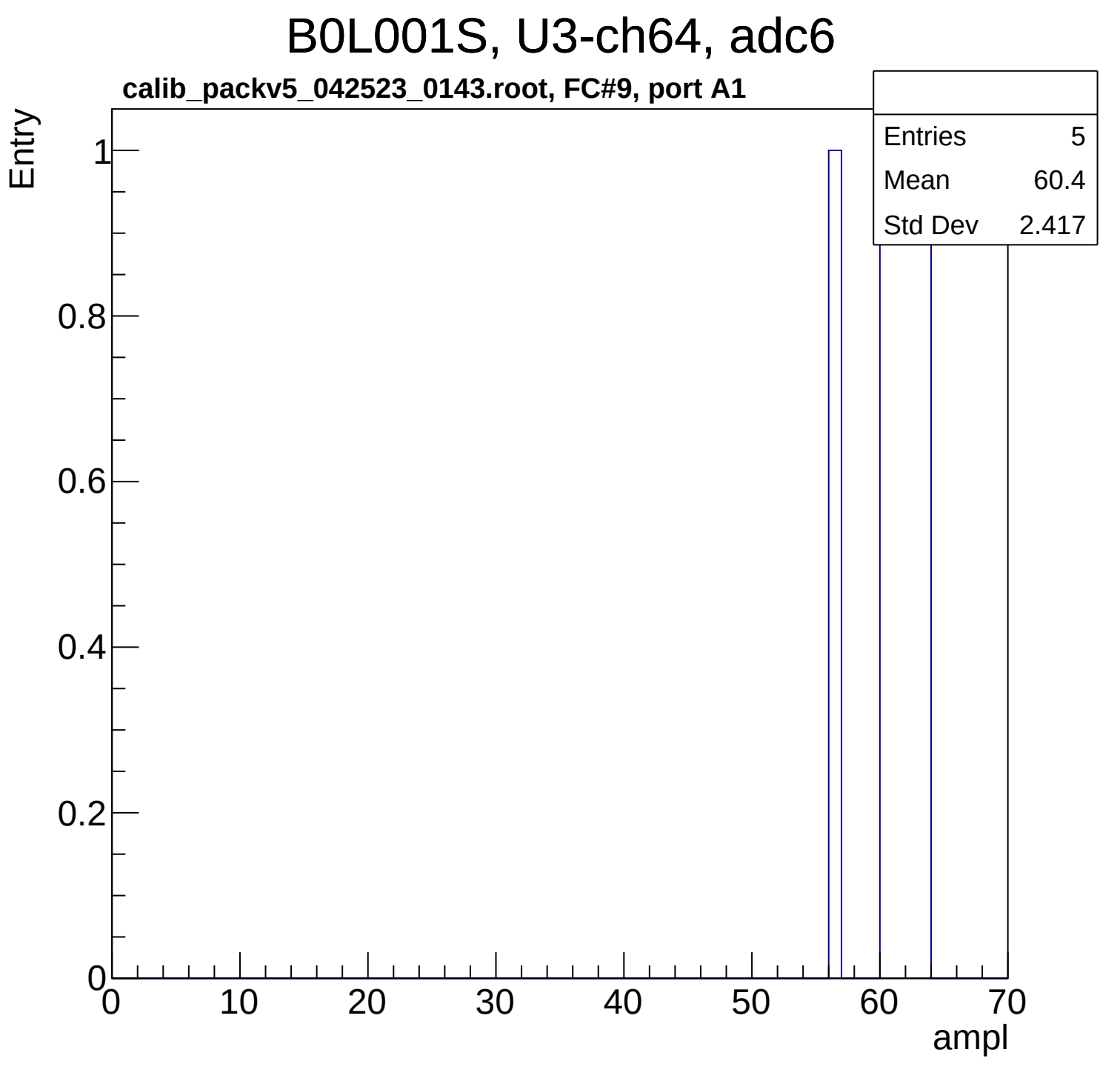
20
30
40
50
60
70


B0L001S, U3-ch64, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 60.4
Std Dev 2.417
Entry
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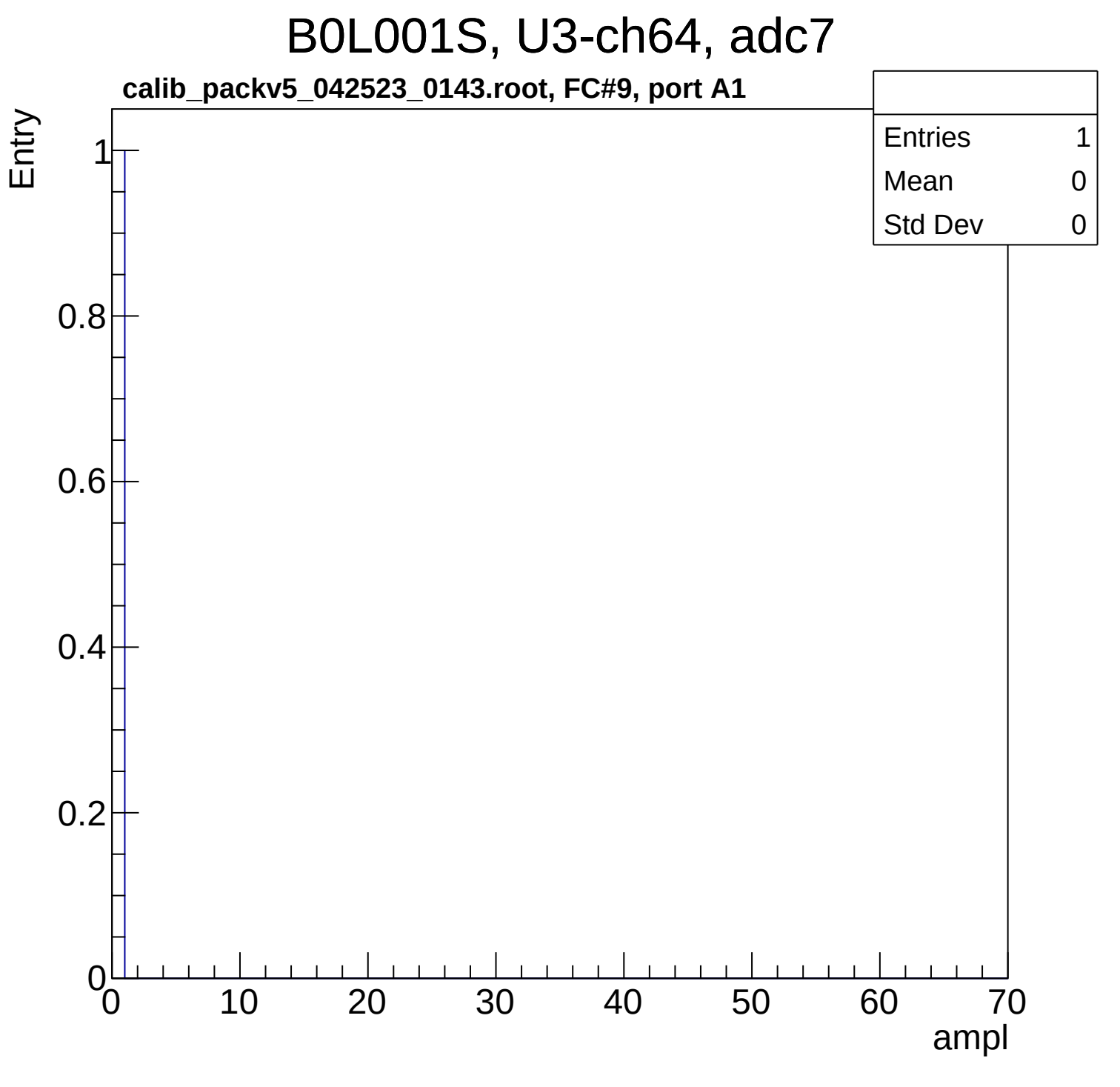
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch64, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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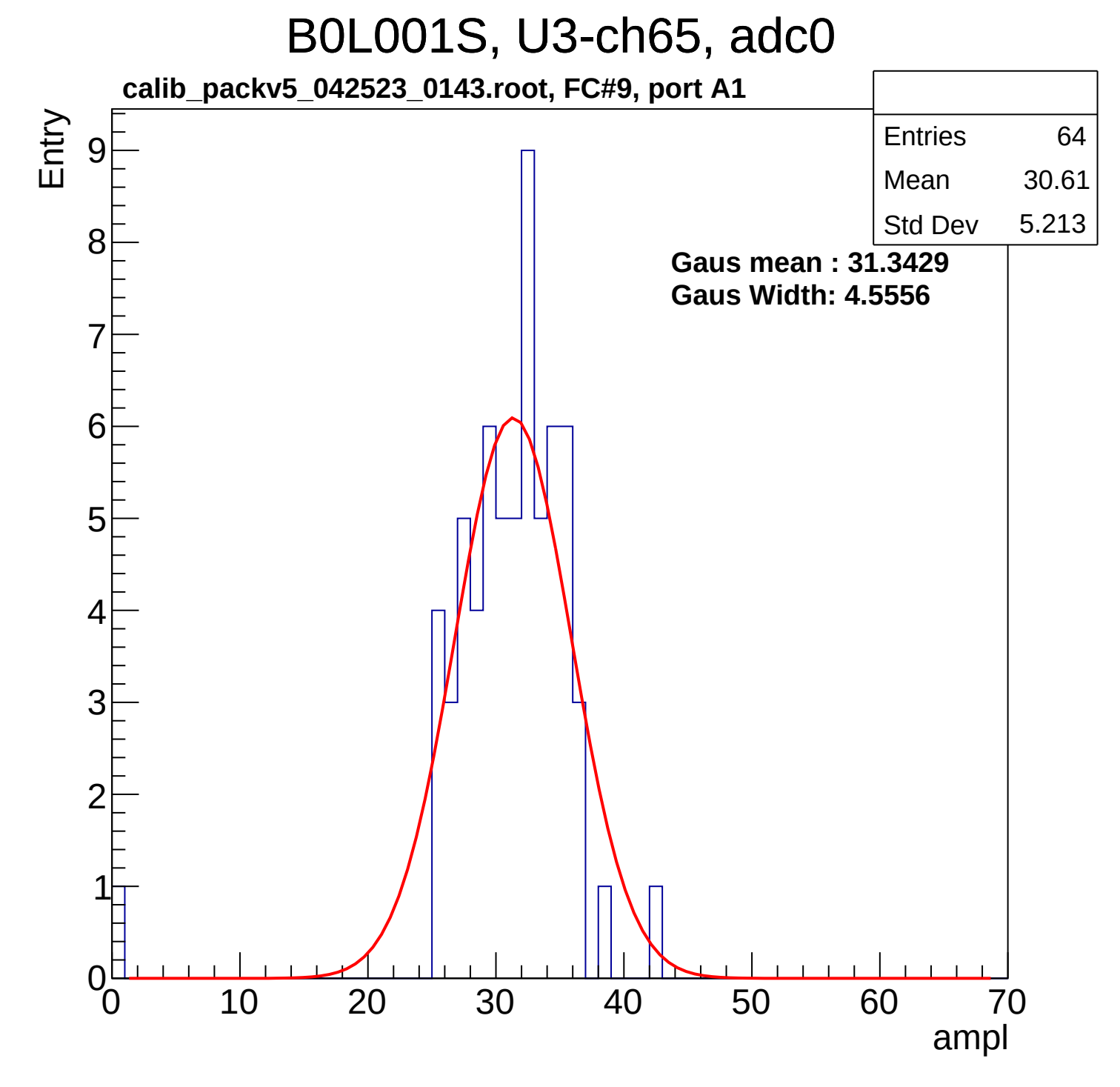
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch65, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 30.61
Std Dev 5.213
Gaus mean : 31.3429
Gaus Width: 4.5556
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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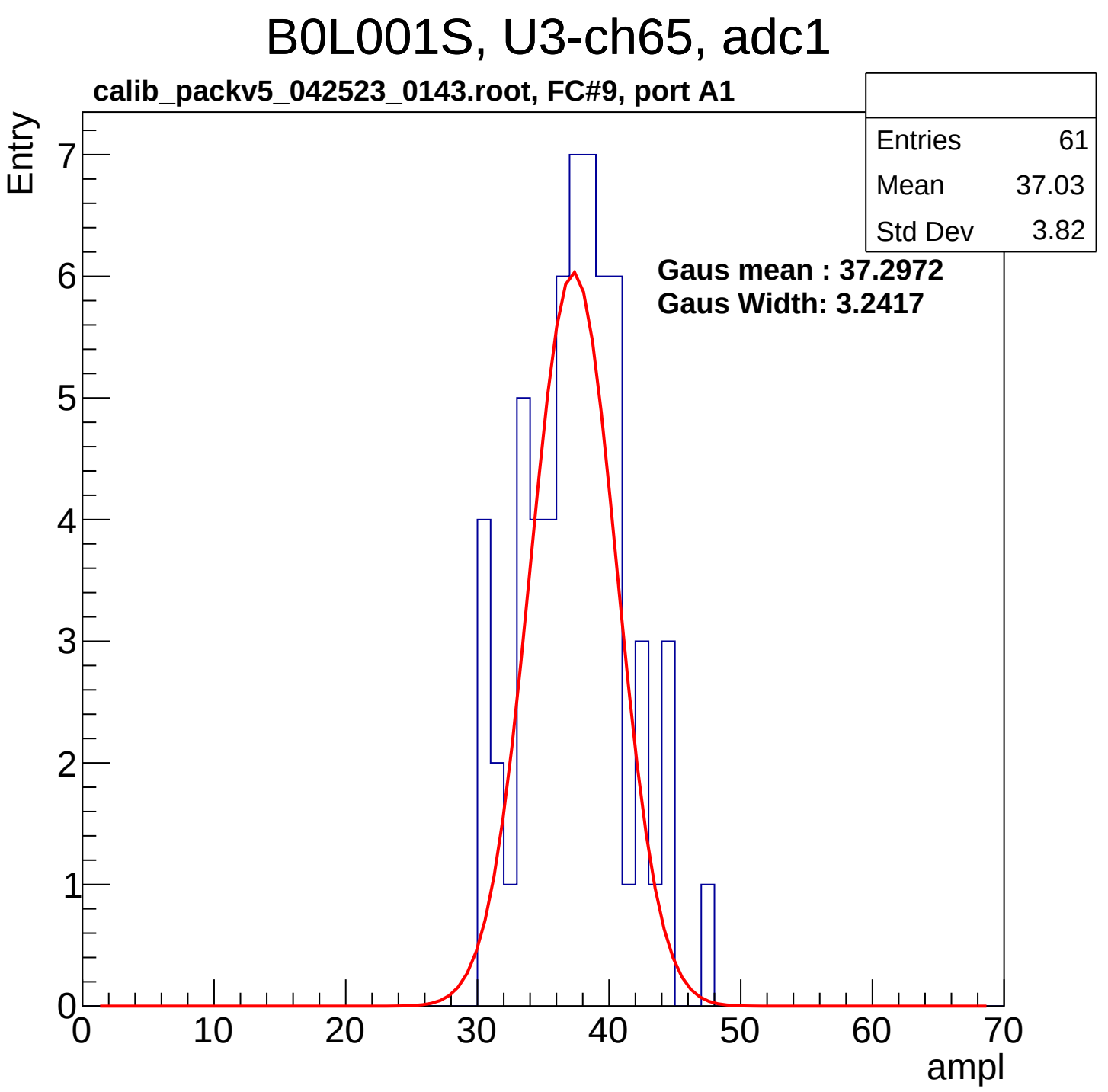
B0L001S, U3-ch65, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 37.03
Std Dev 3.82
Gaus mean : 37.2972
Gaus Width: 3.2417
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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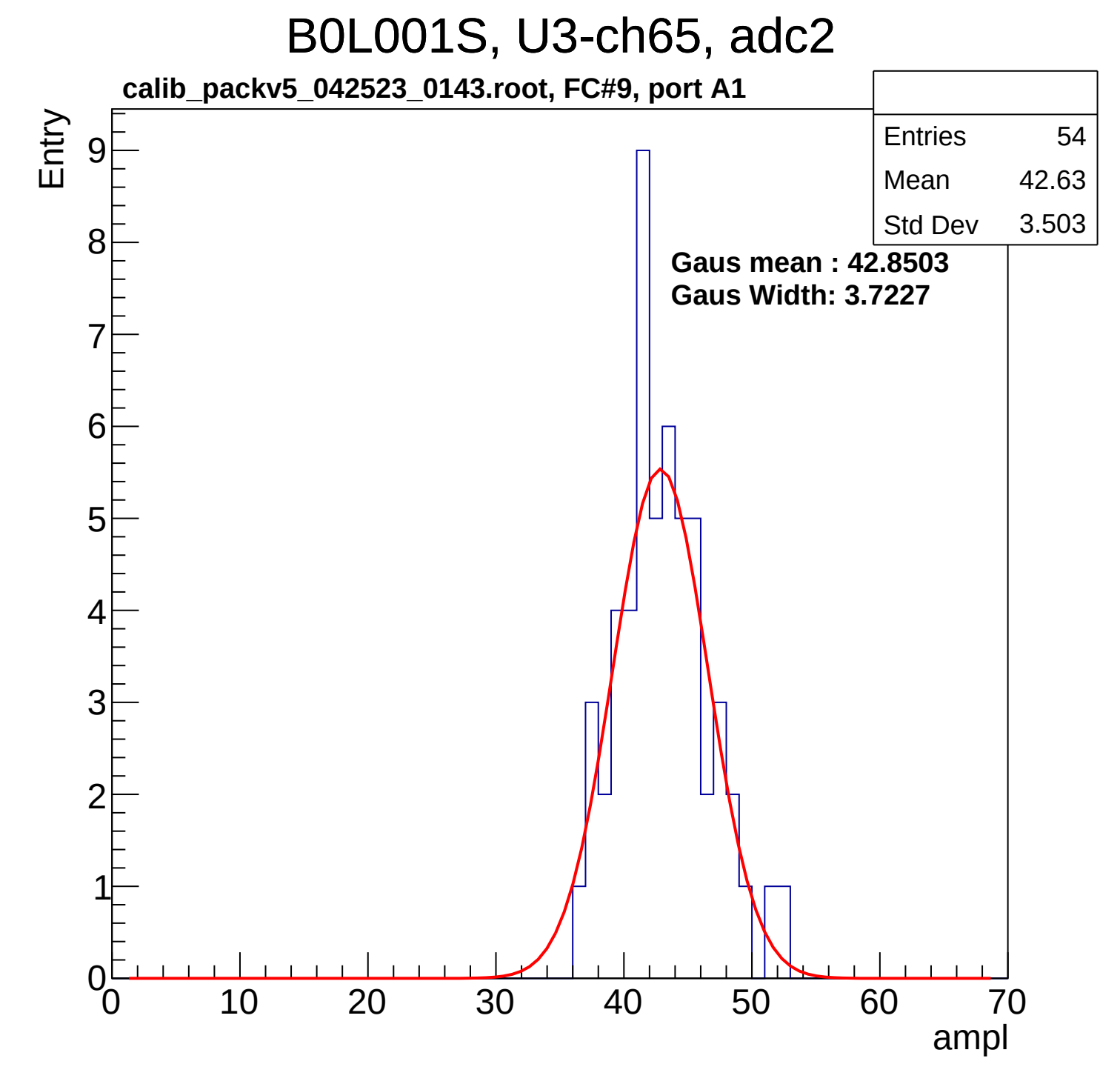
B0L001S, U3-ch65, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 42.63
Std Dev 3.503
Gaus mean : 42.8503
Gaus Width: 3.7227
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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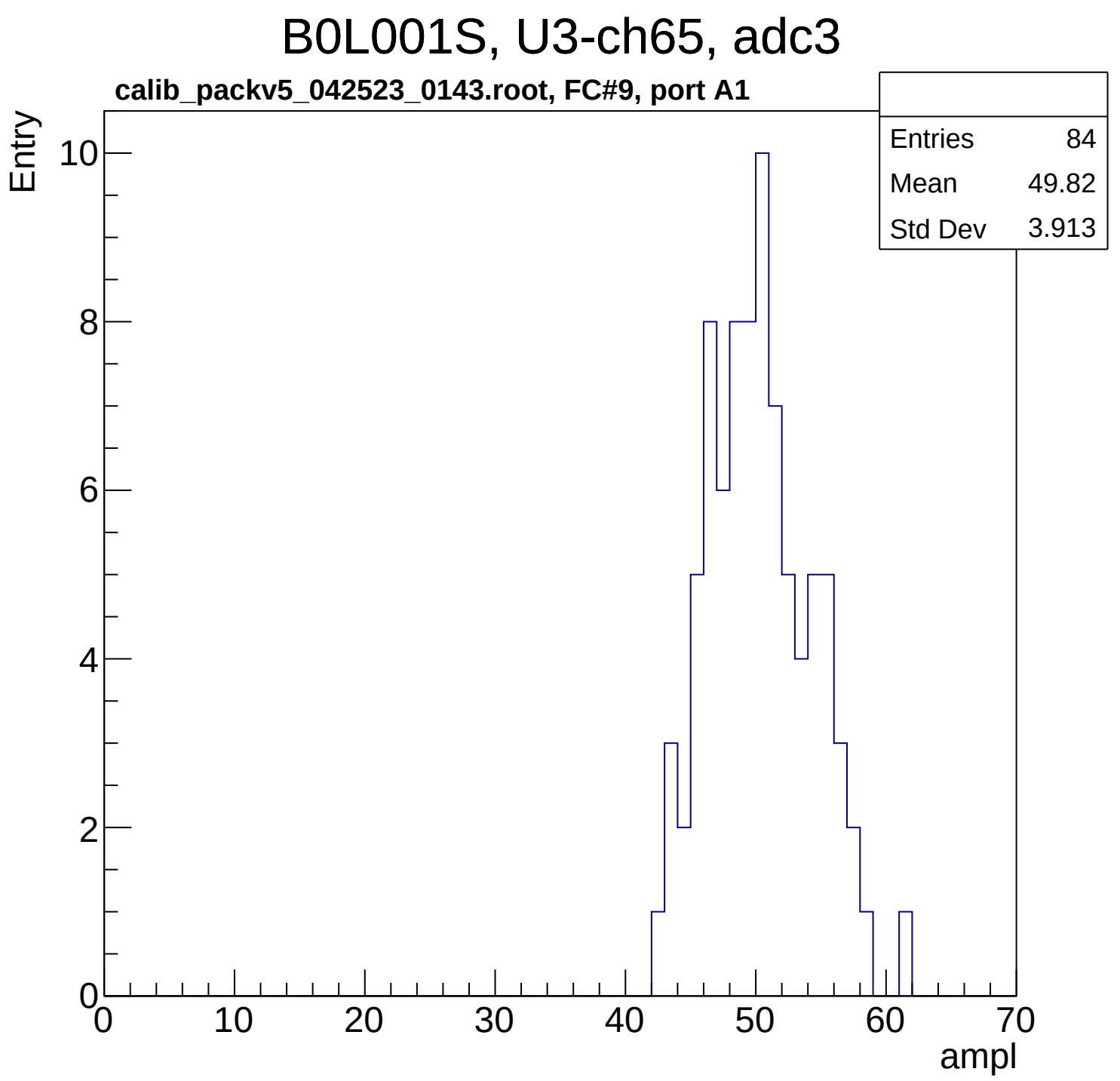
B0L001S, U3-ch65, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 84
Mean 49.82
Std Dev 3.913
Entry
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4
6
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10
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10
20
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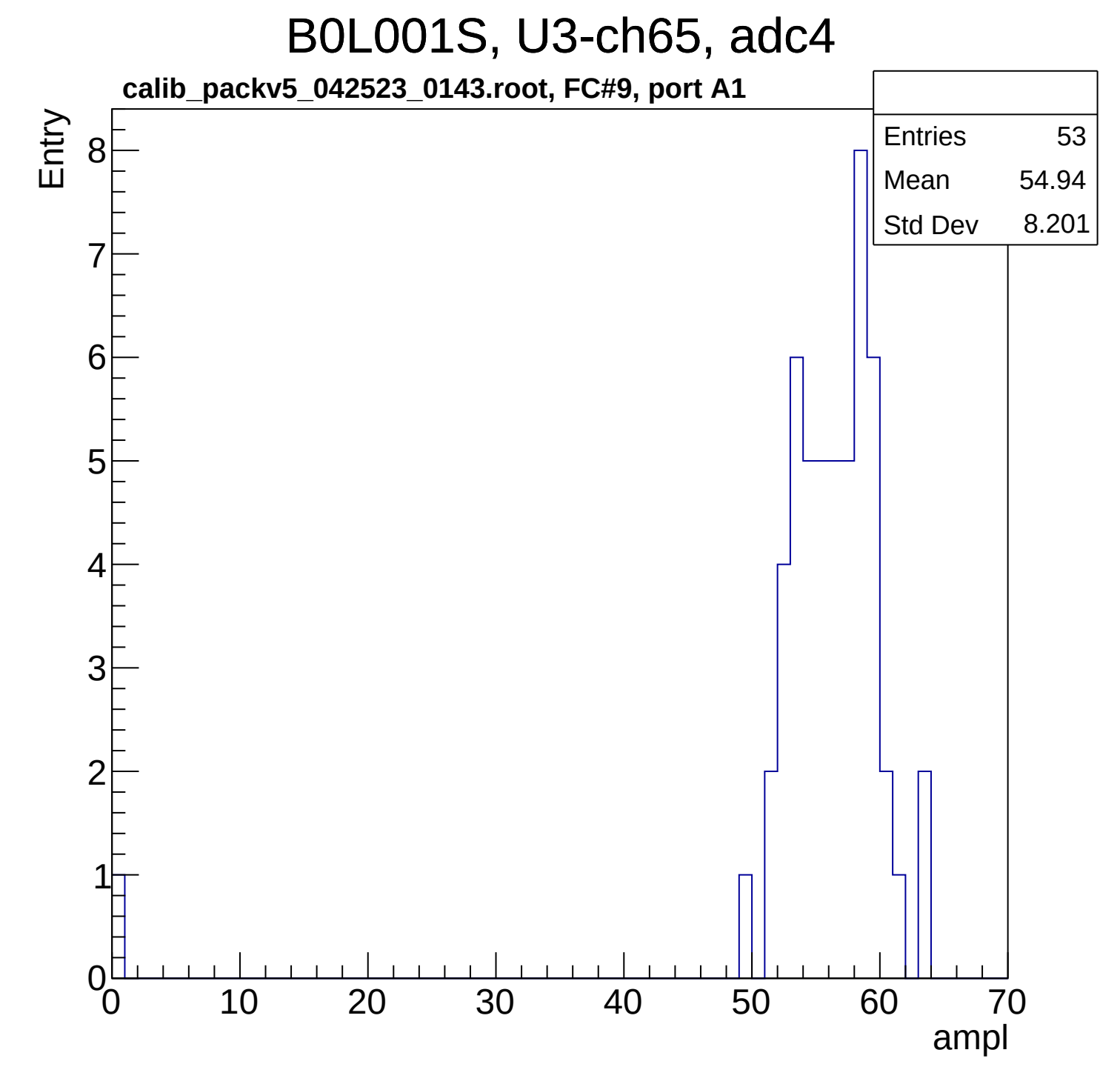
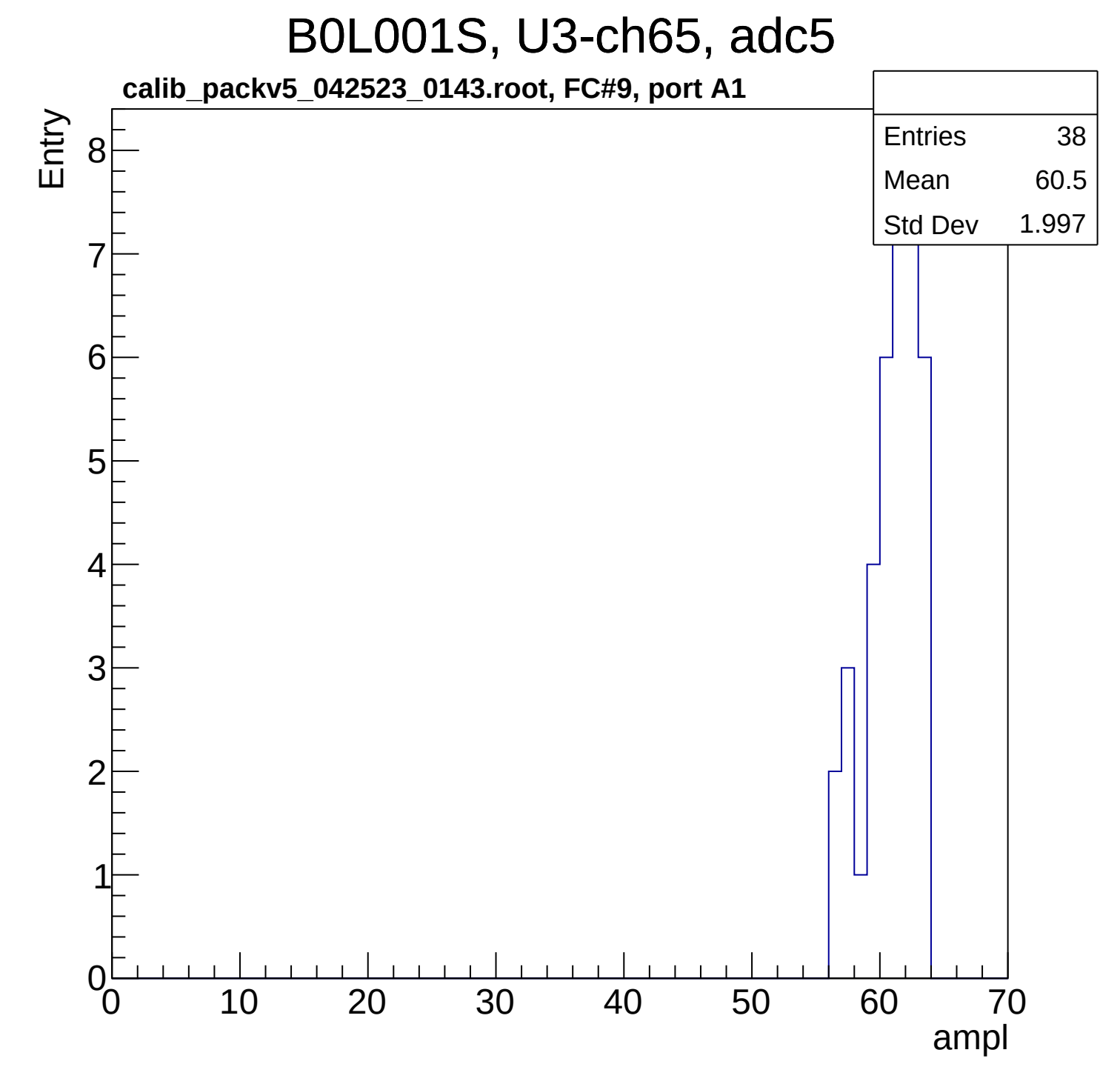
50
60
70
ampl


B0L001S, U3-ch65, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 54.94
Std Dev 8.201
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch65, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 60.5
Std Dev 1.997
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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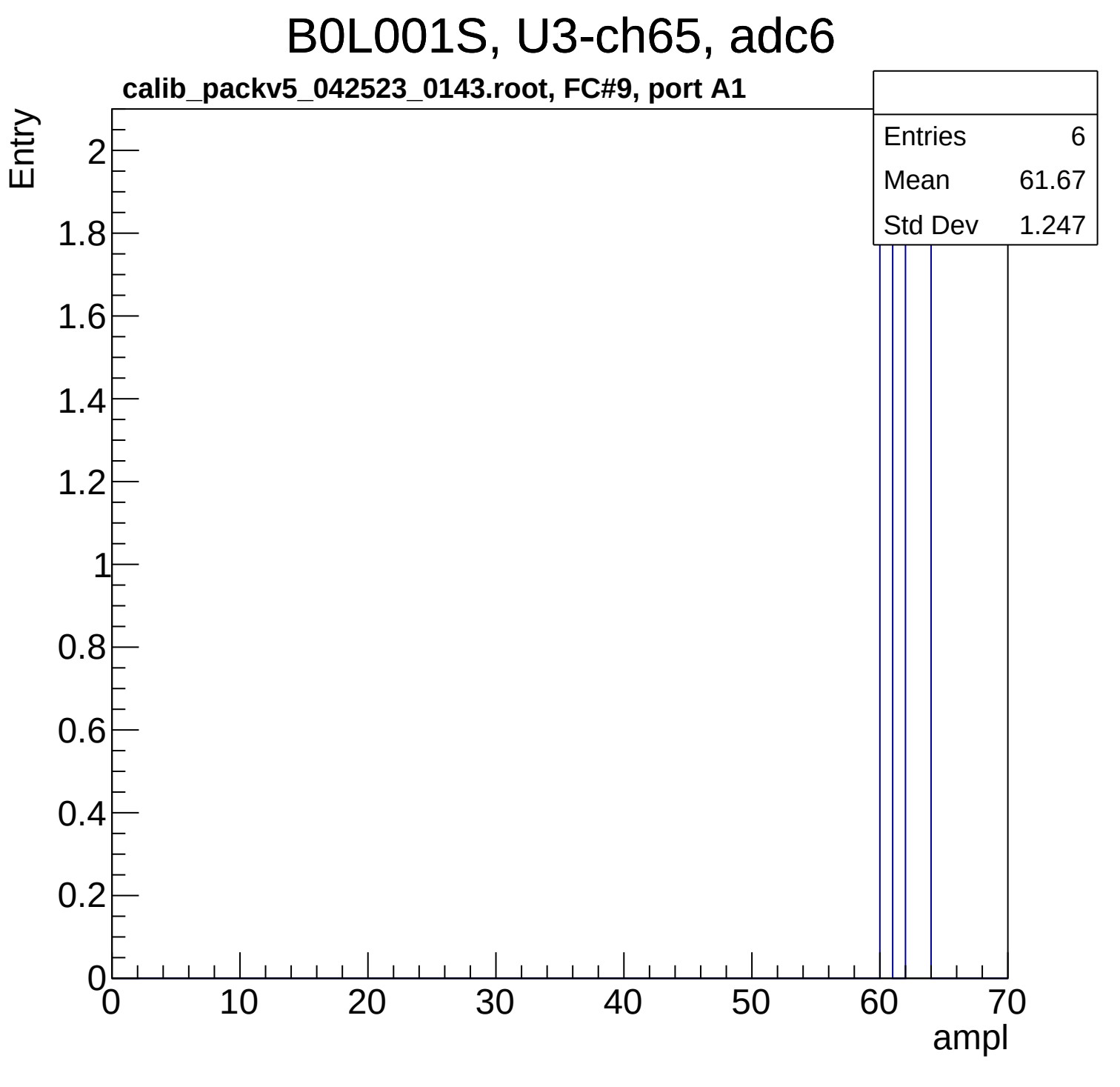
B0L001S, U3-ch65, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 61.67
Std Dev 1.247
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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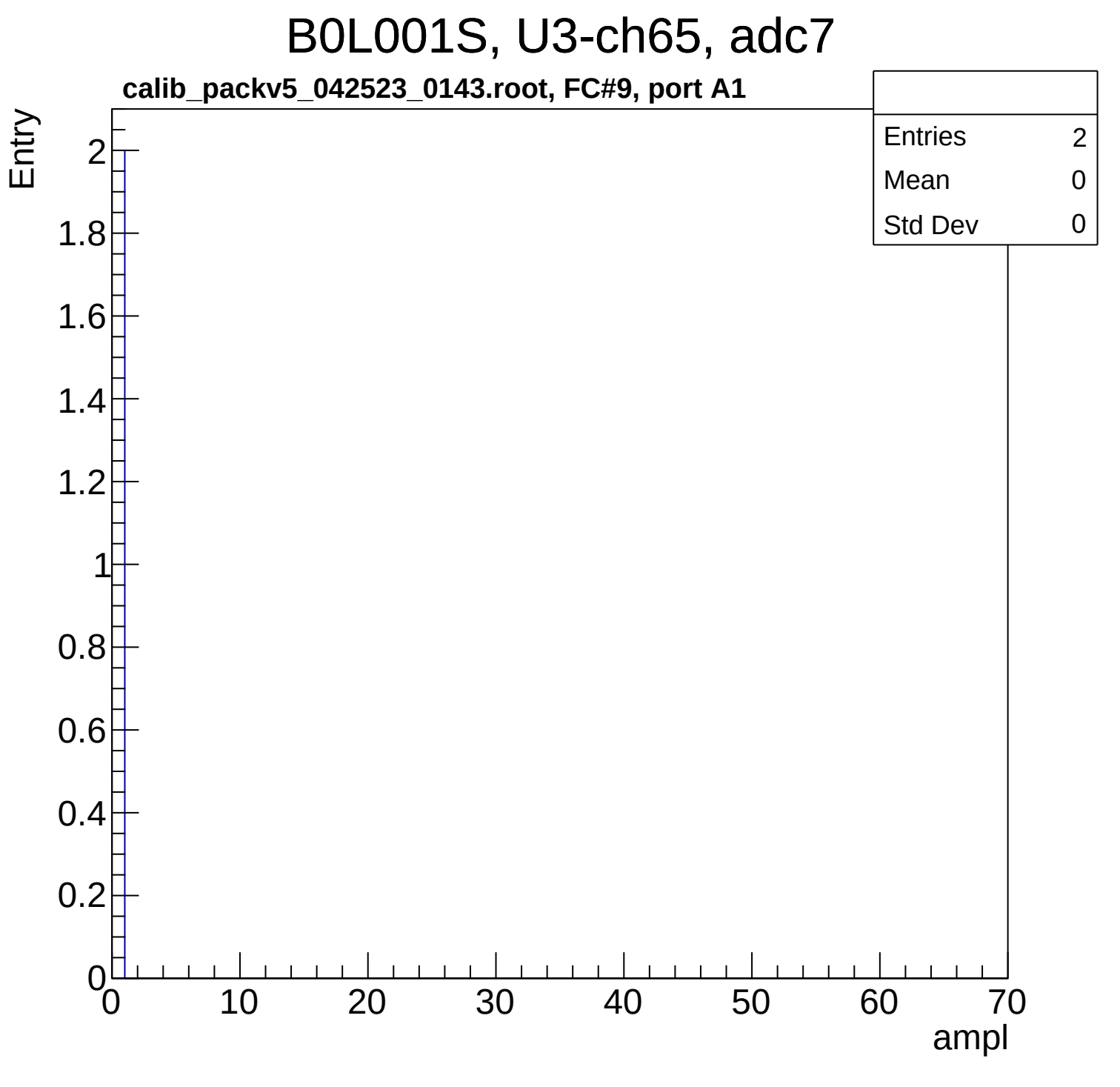
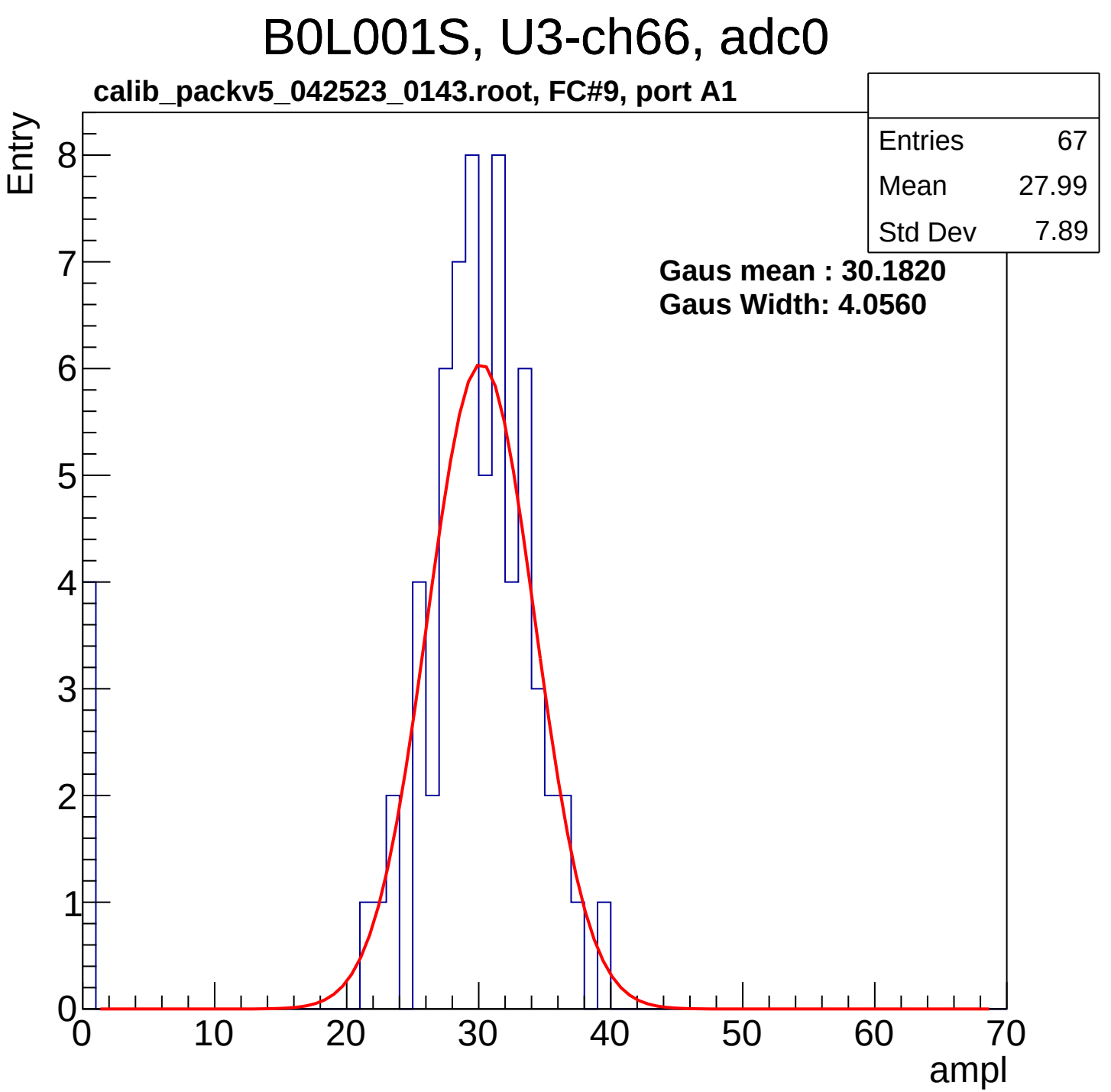
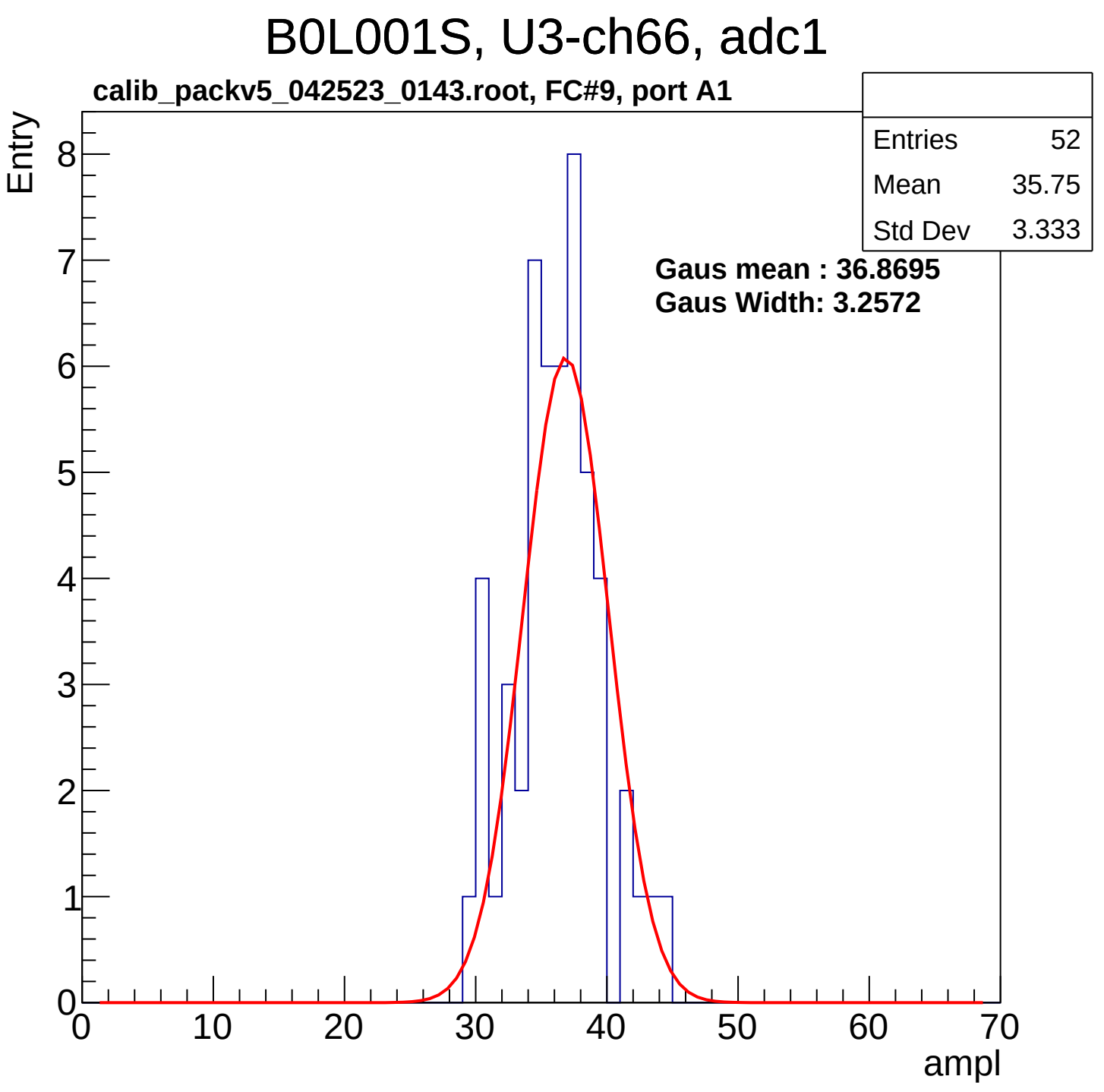
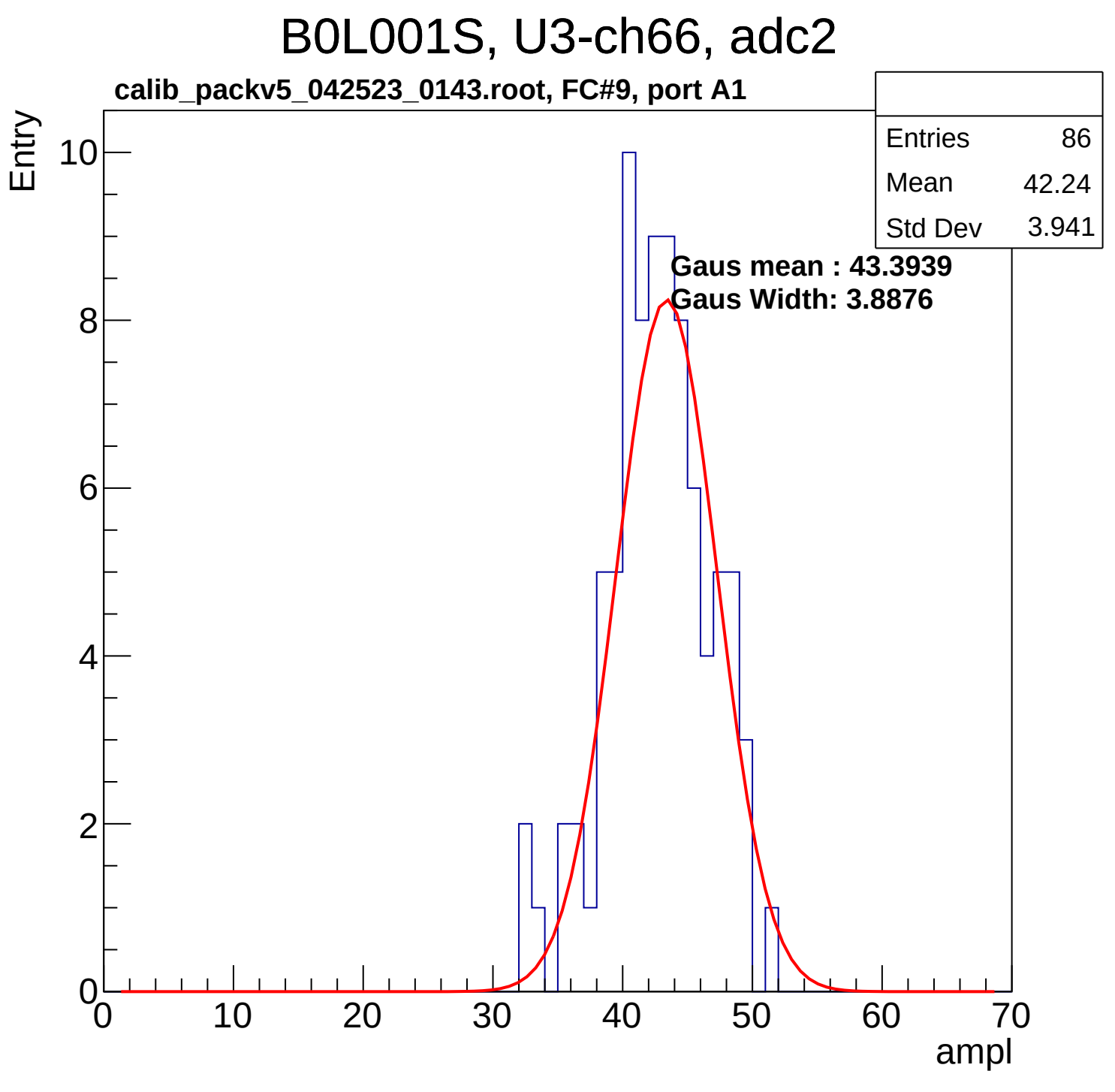
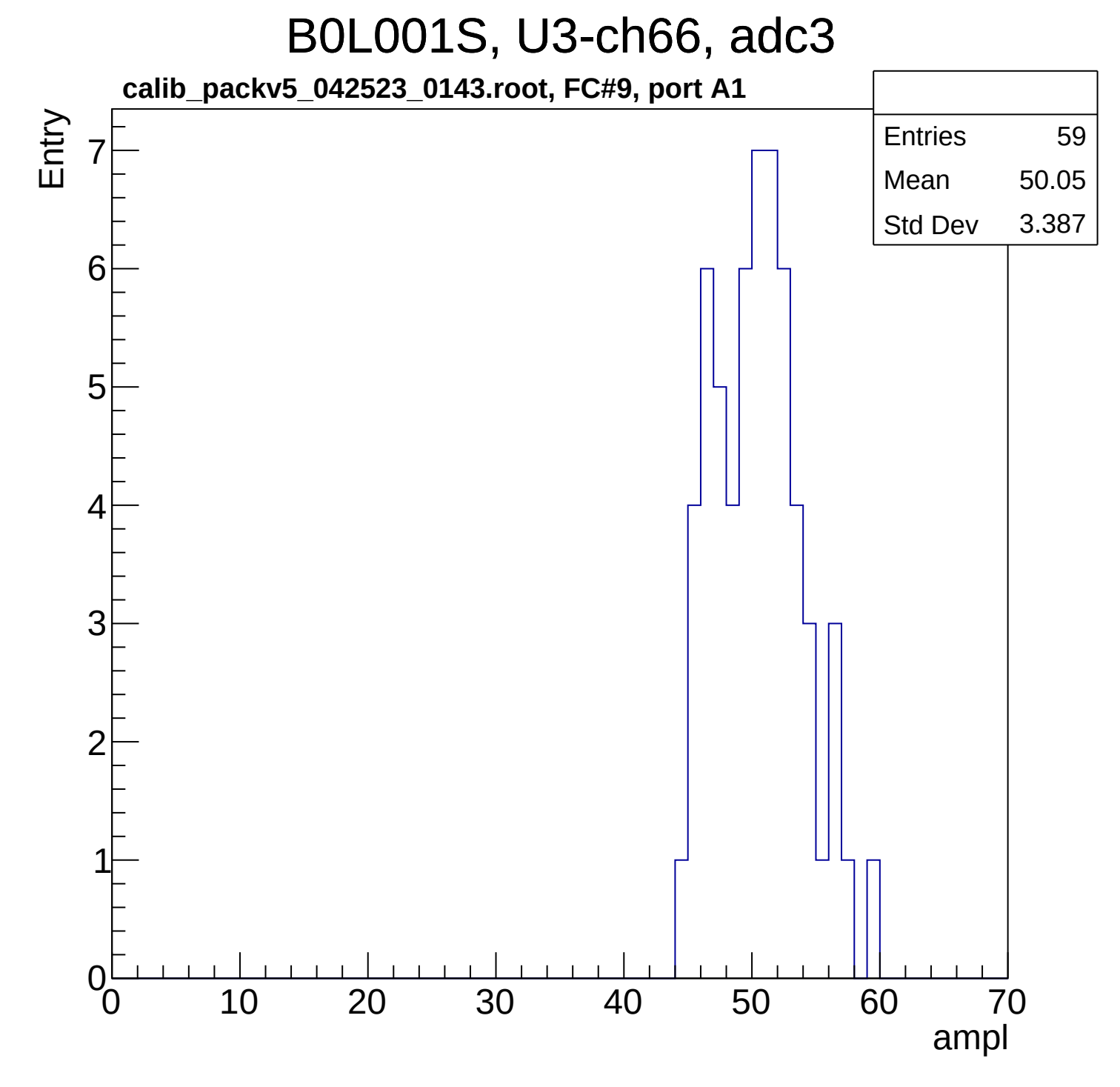
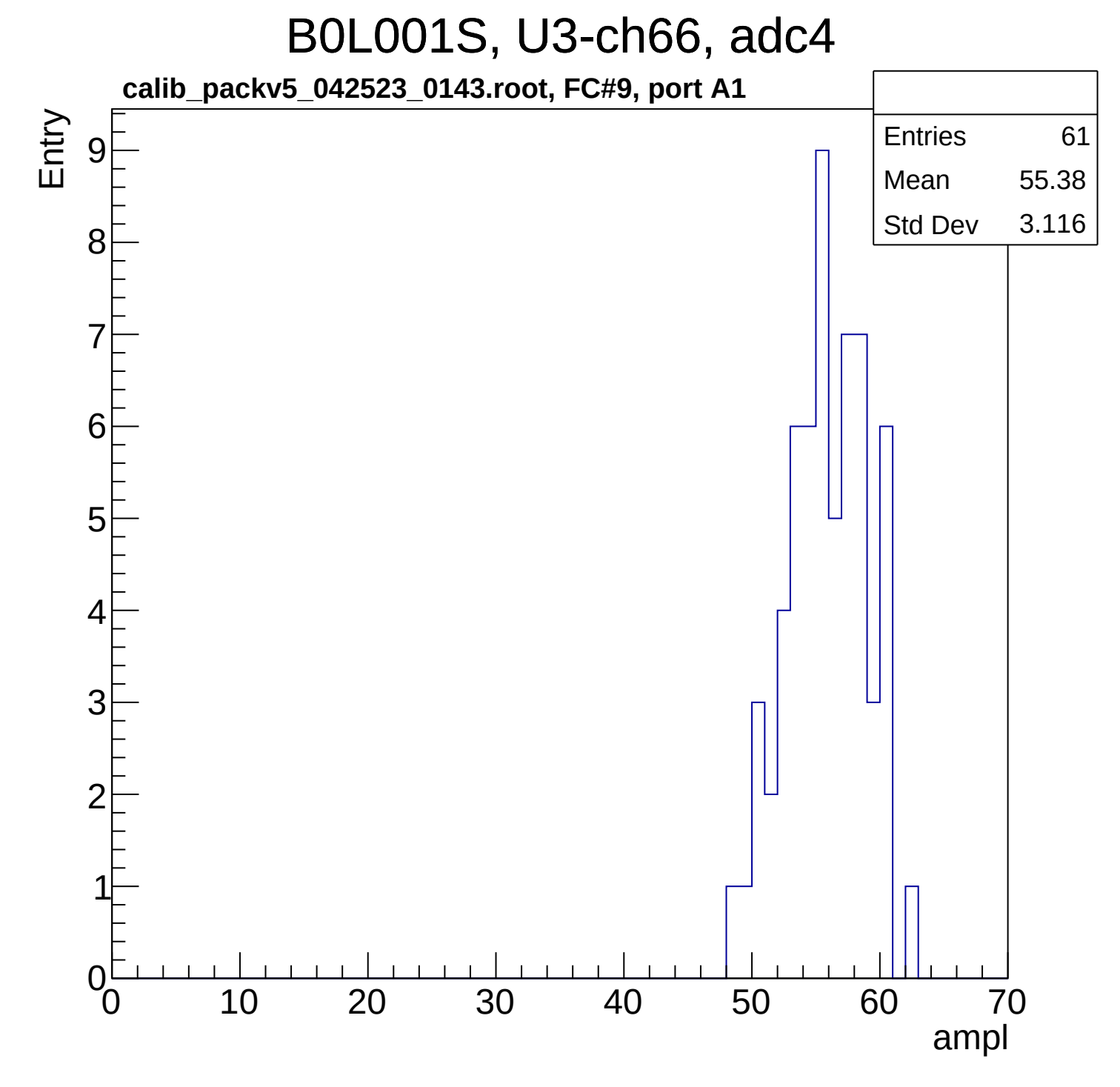

B0L001S, U3-ch65, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

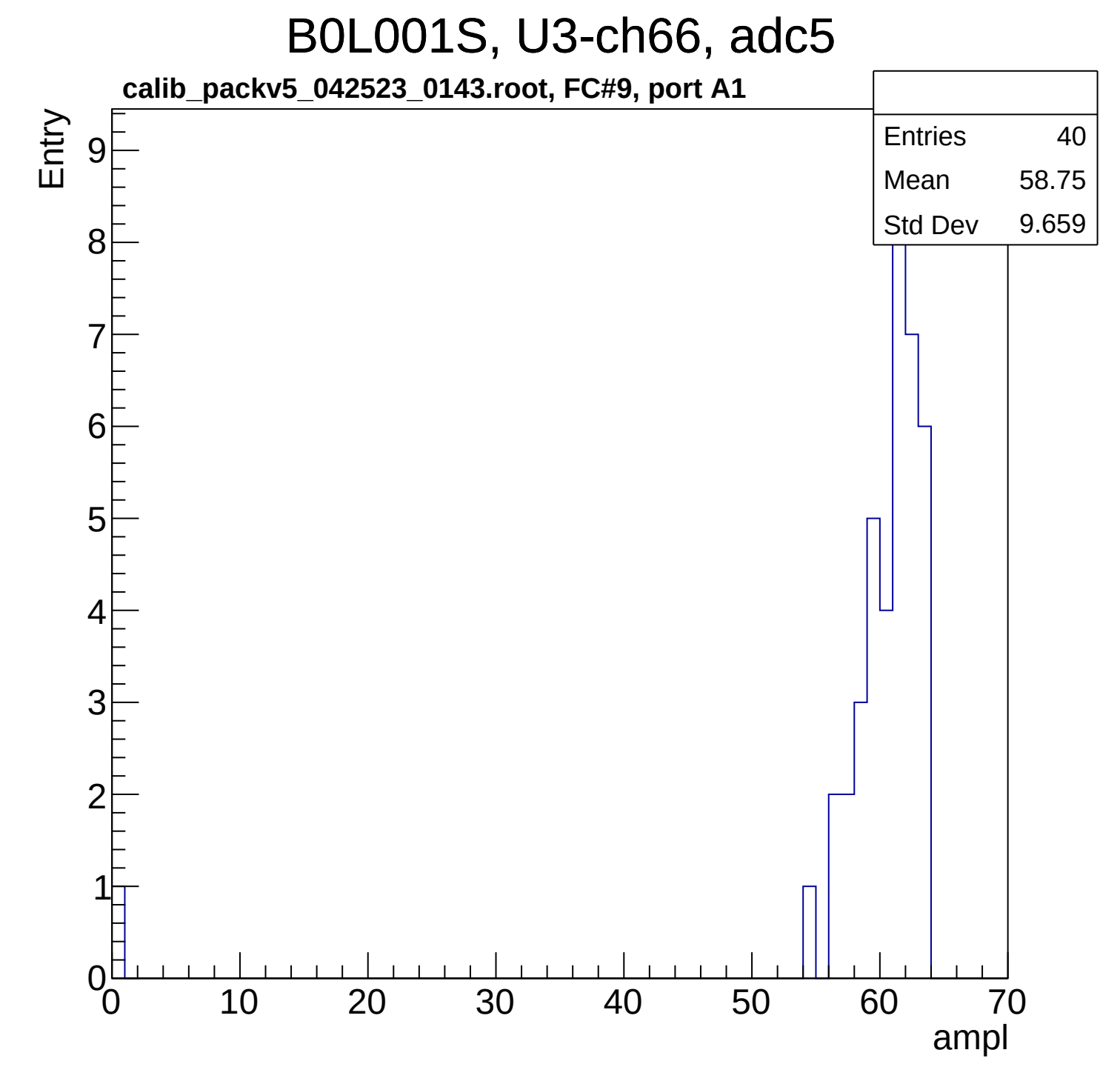

B0L001S, U3-ch66, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 27.99
Std Dev 7.89
Gaus mean : 30.1820
Gaus Width: 4.0560
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

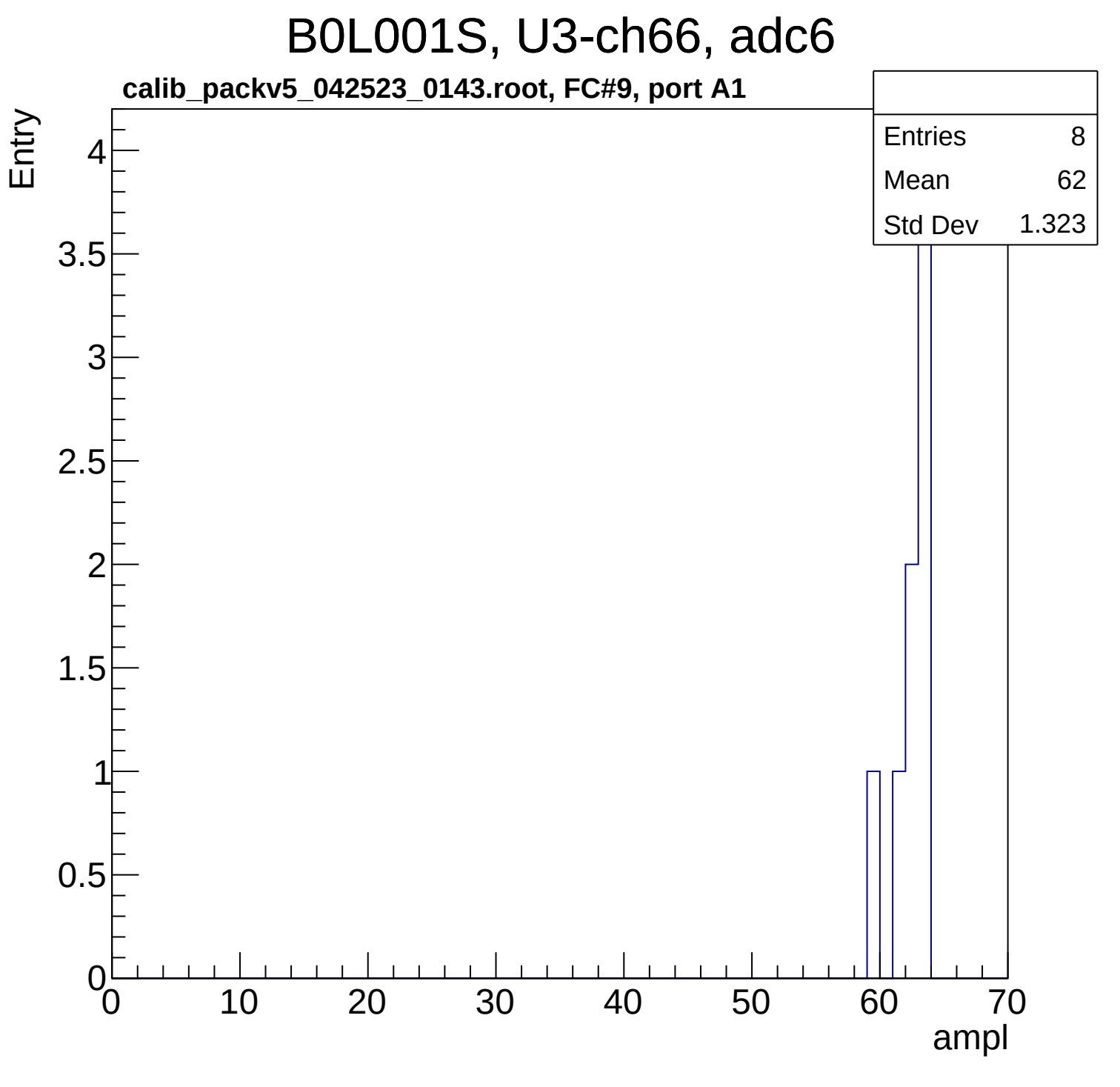

B0L001S, U3-ch66, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 35.75
Std Dev 3.333
Gaus mean : 36.8695
Gaus Width: 3.2572
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

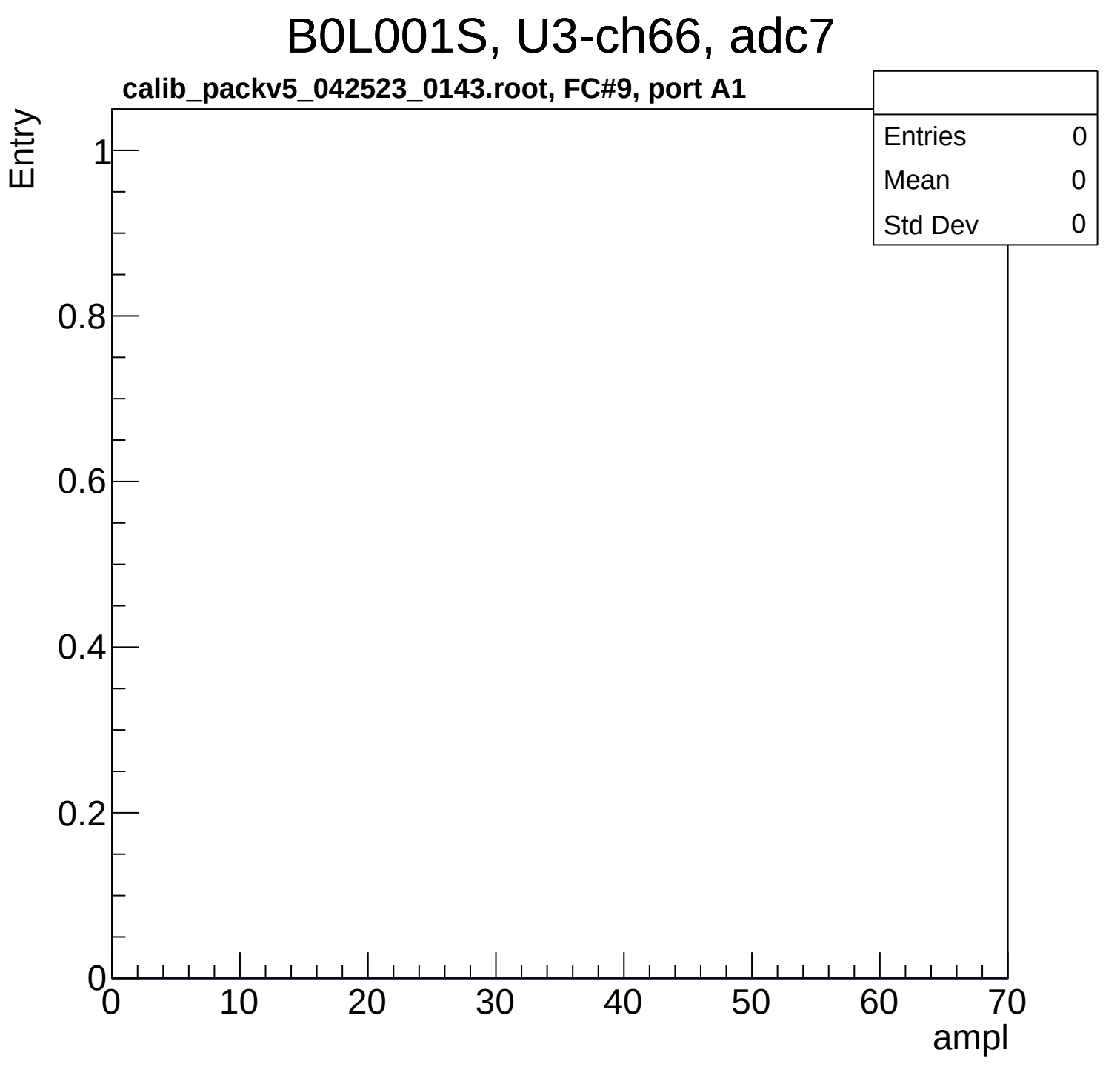

B0L001S, U3-ch66, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 86
Mean 42.24
Std Dev 3.941
Gaus mean : 43.3939
Gaus Width: 3.8876
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

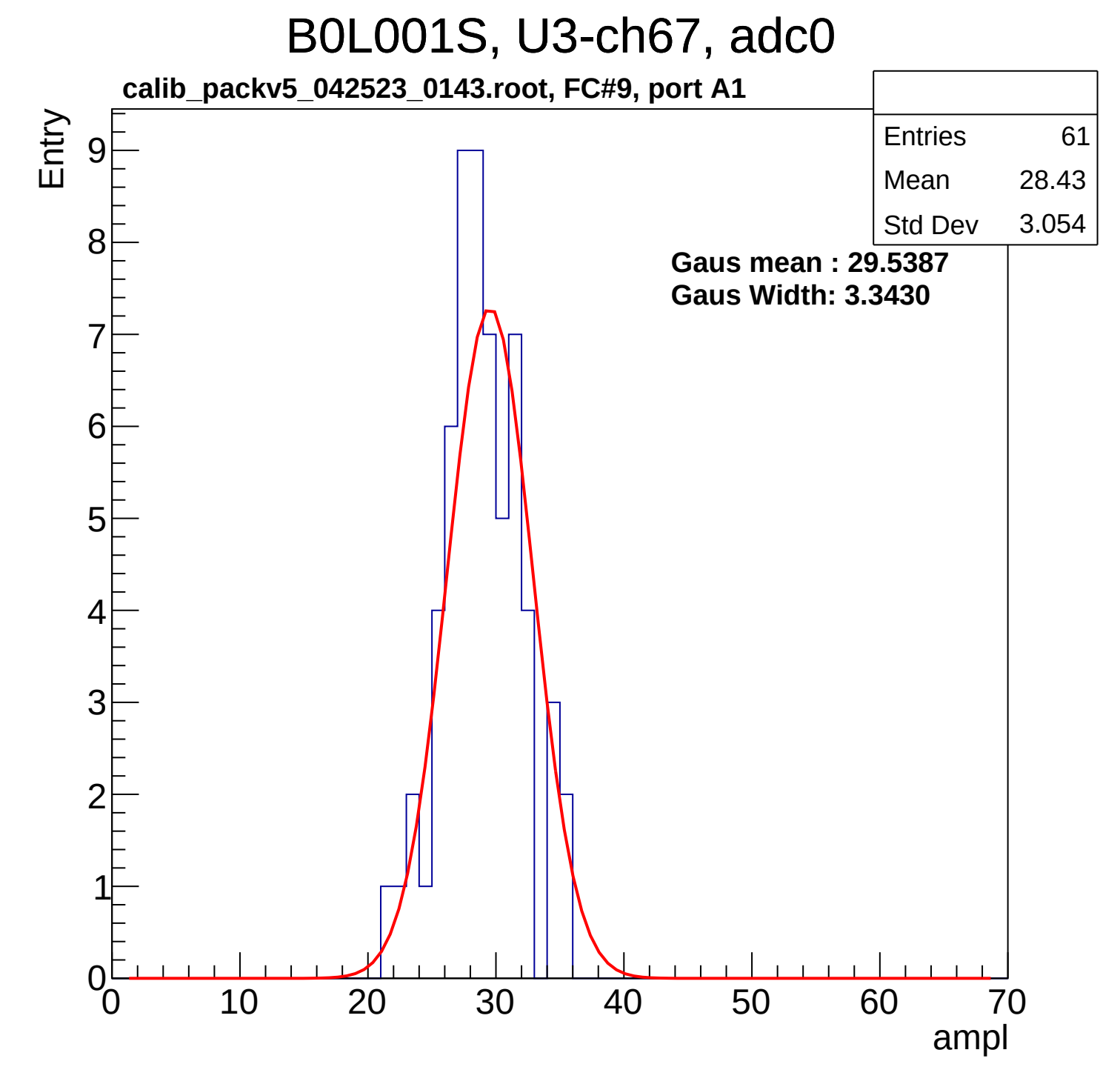

B0L001S, U3-ch66, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 50.05
Std Dev 3.387
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl

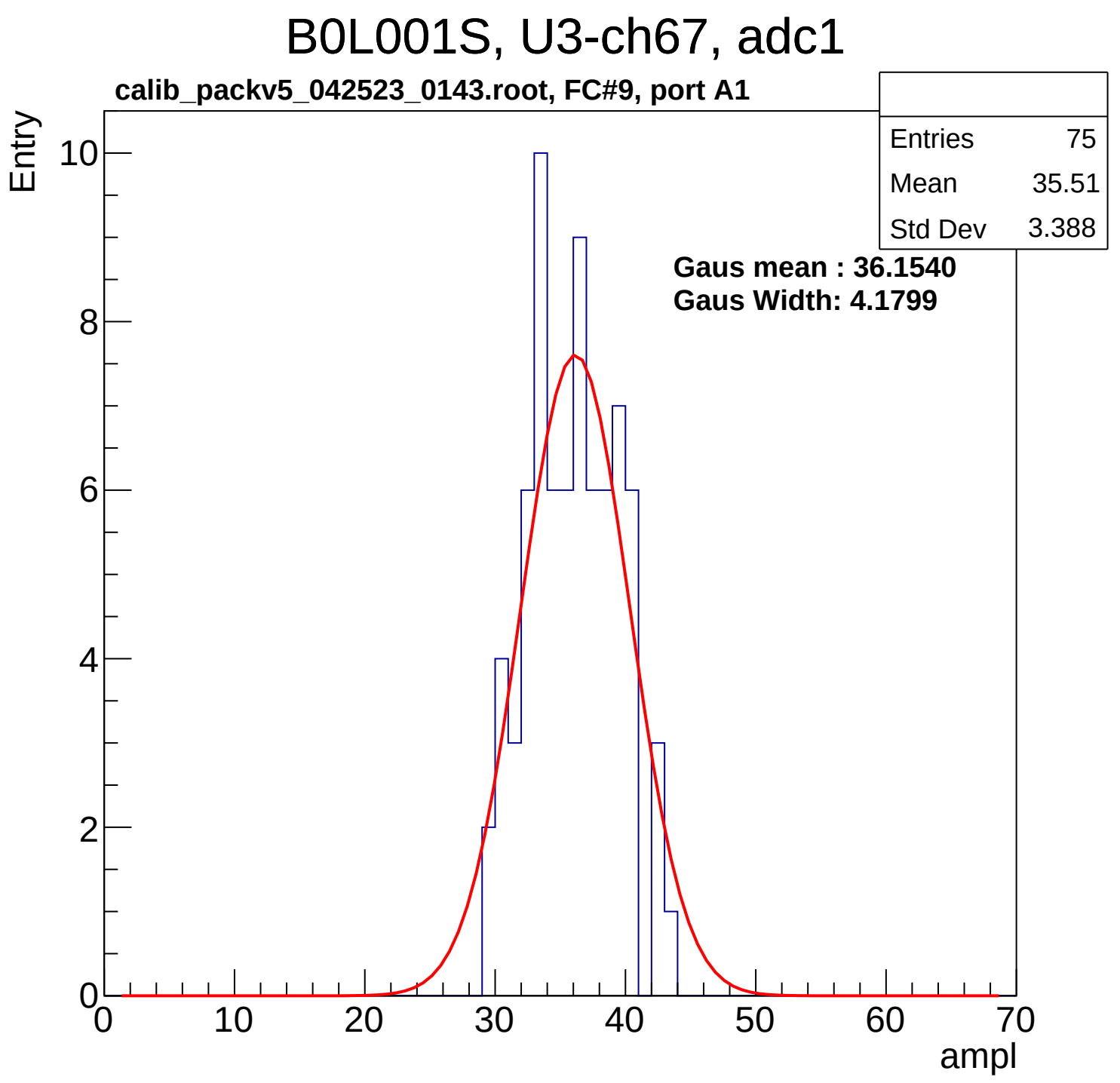

B0L001S, U3-ch66, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 55.38
Std Dev 3.116
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

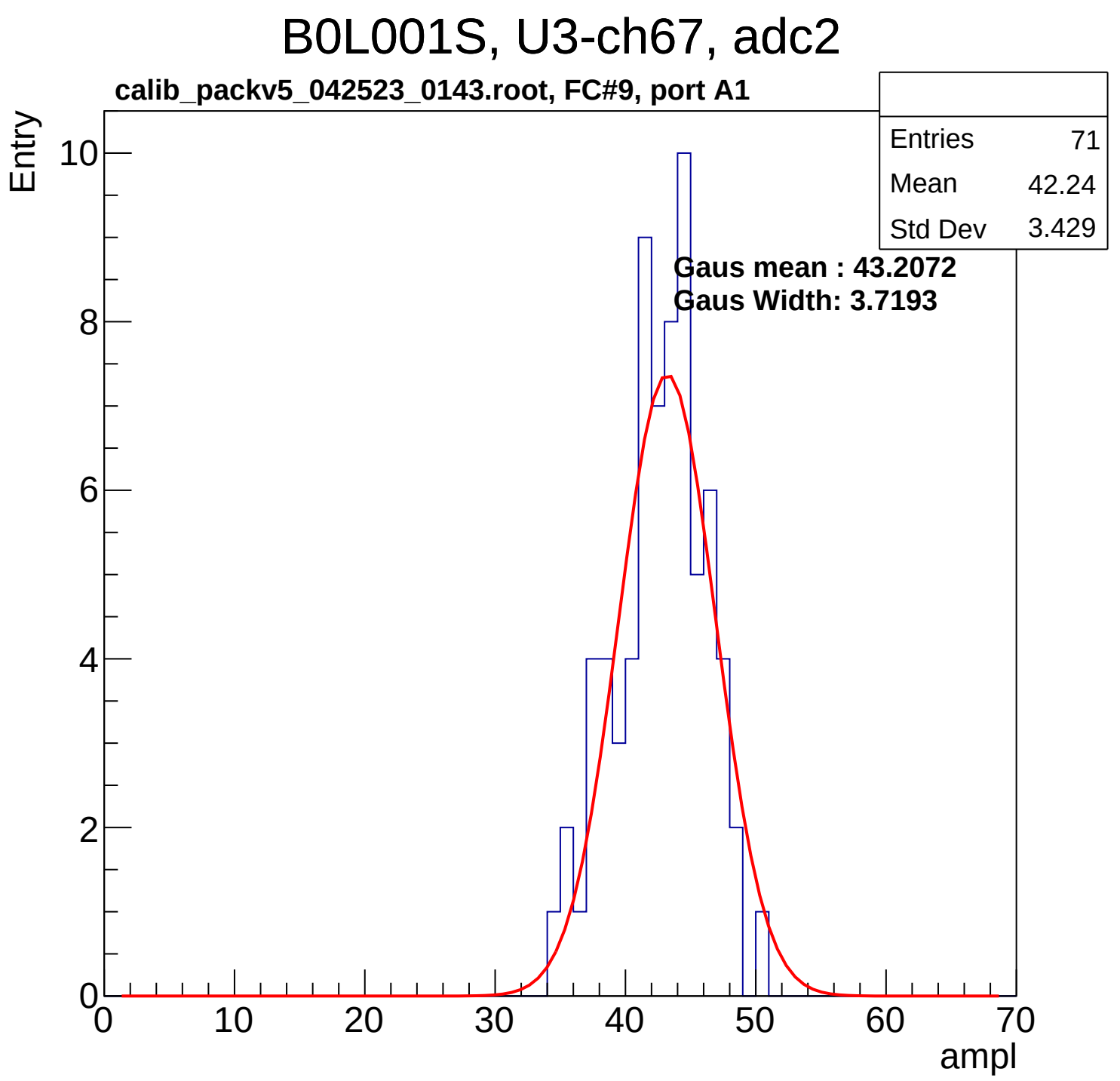

B0L001S, U3-ch66, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 58.75
Std Dev 9.659
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

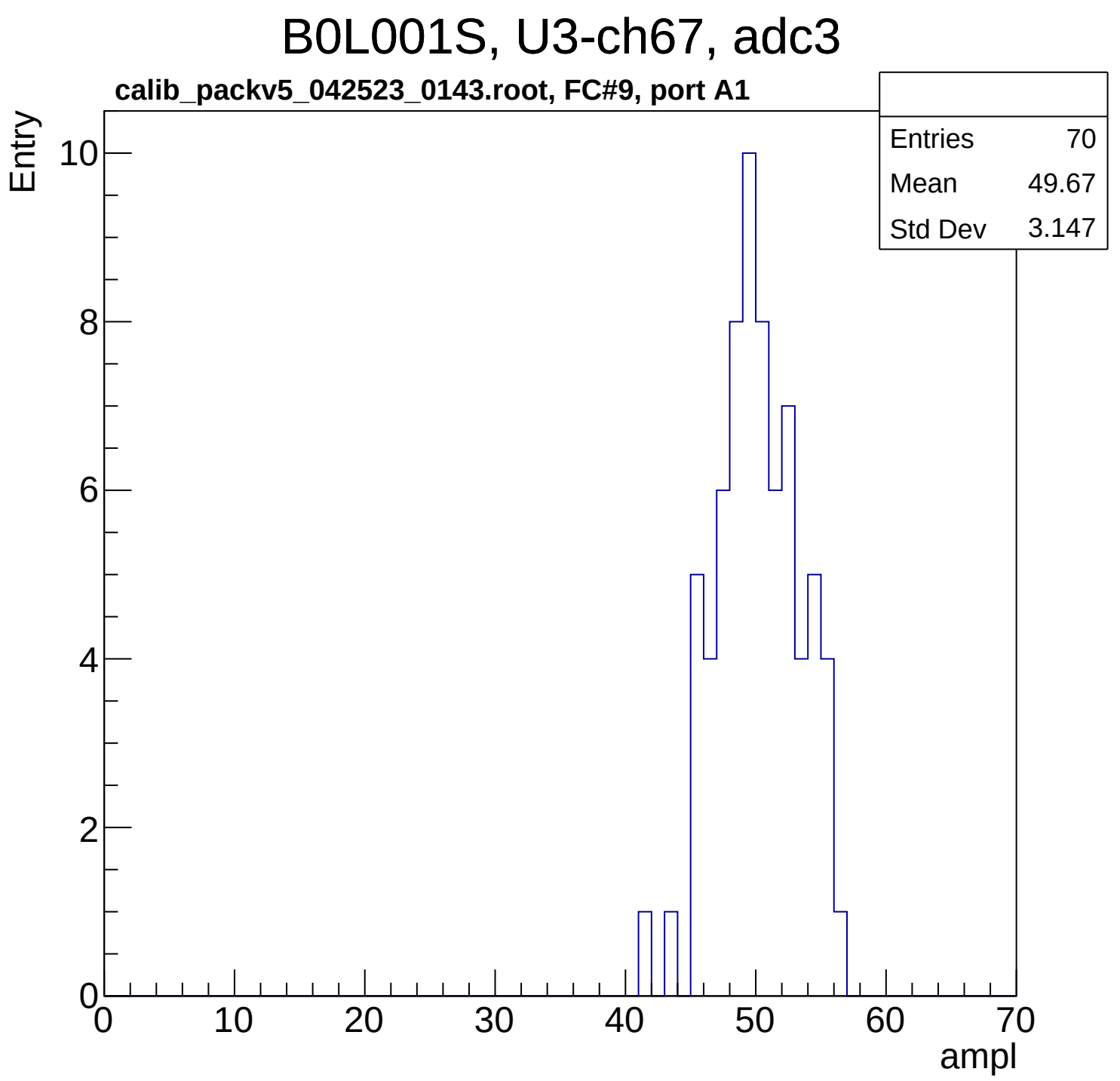

B0L001S, U3-ch66, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 62
Std Dev 1.323
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70

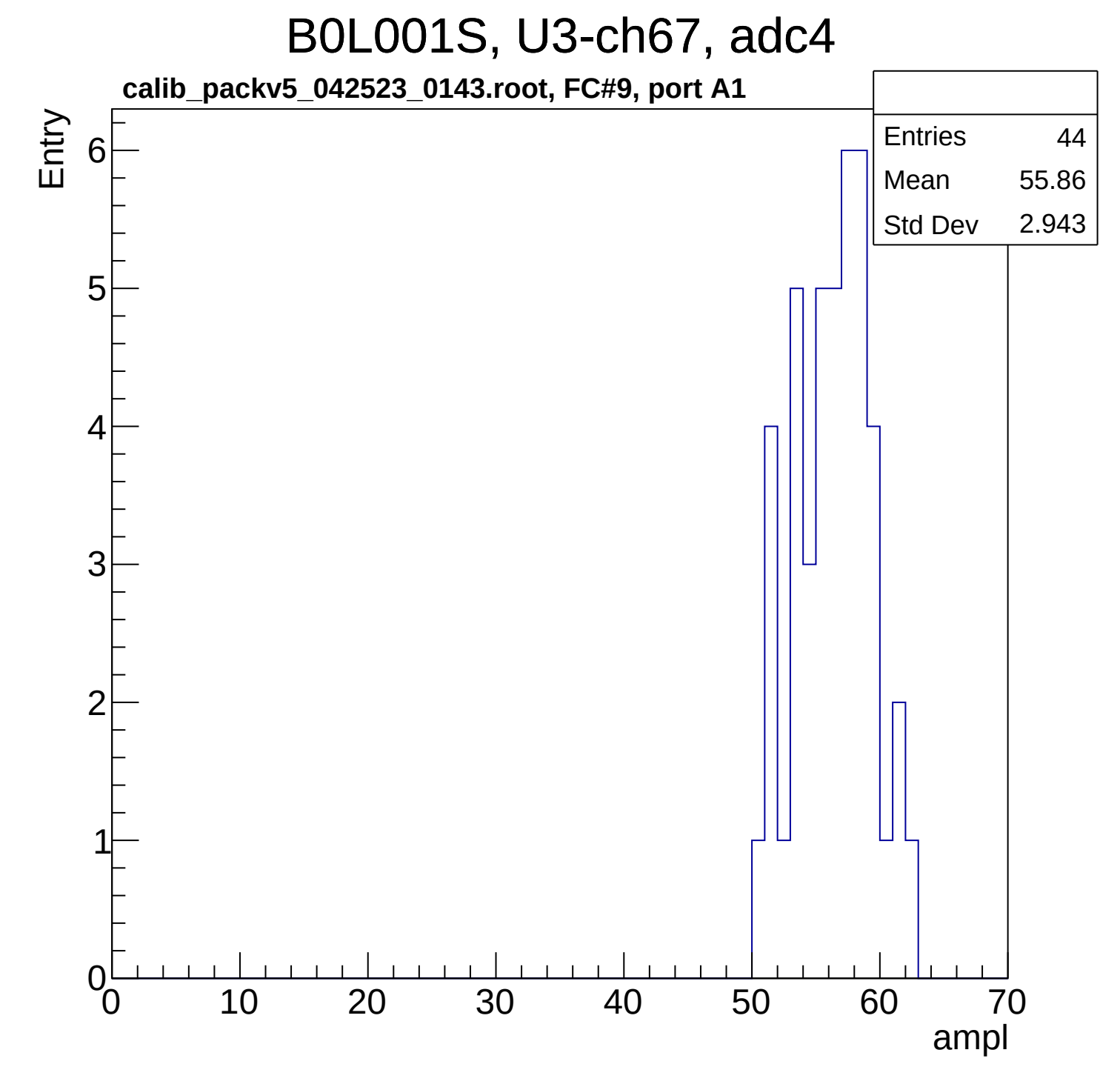

B0L001S, U3-ch66, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

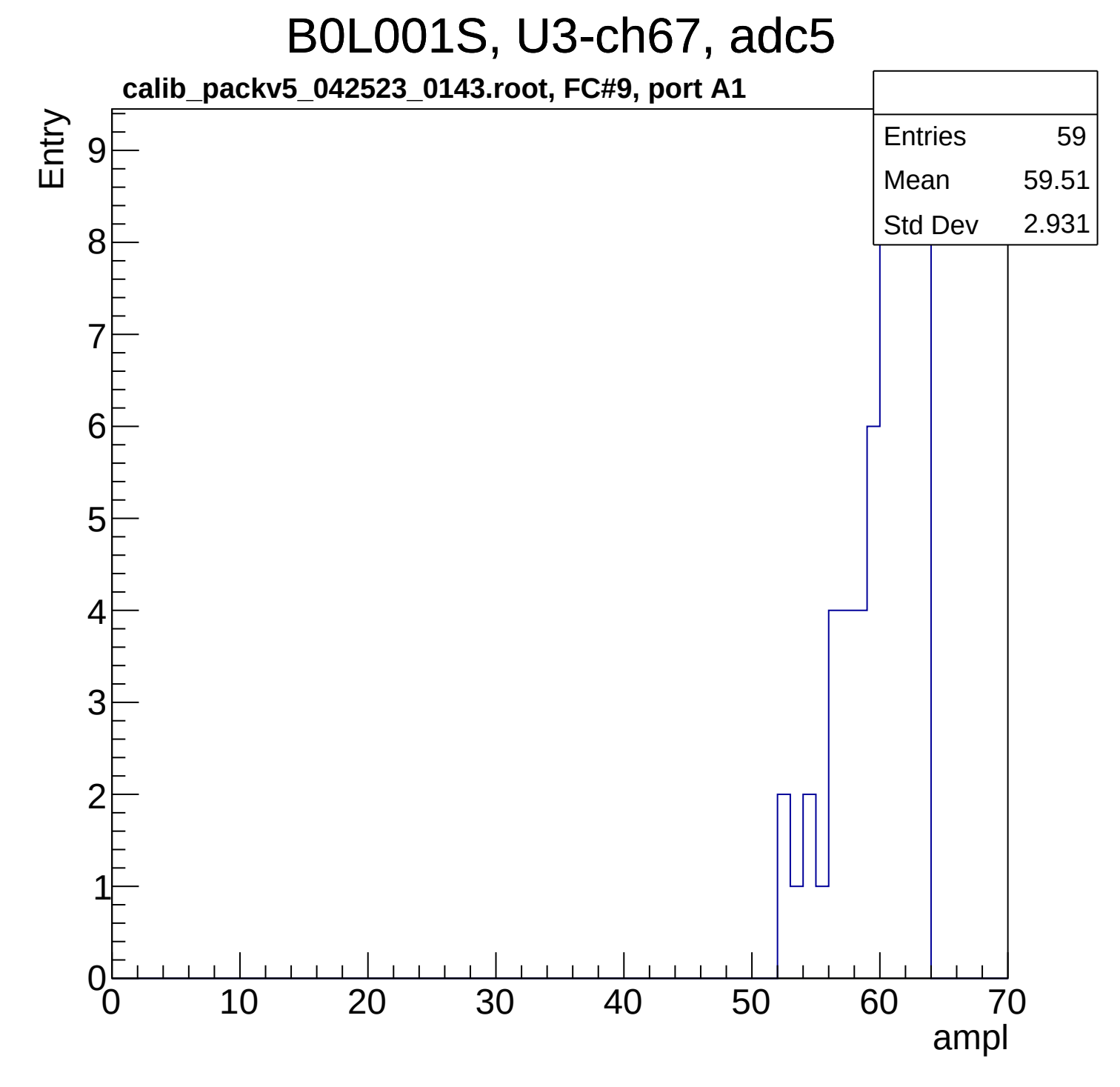

B0L001S, U3-ch67, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 28.43
Std Dev 3.054
Gaus mean : 29.5387
Gaus Width: 3.3430
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

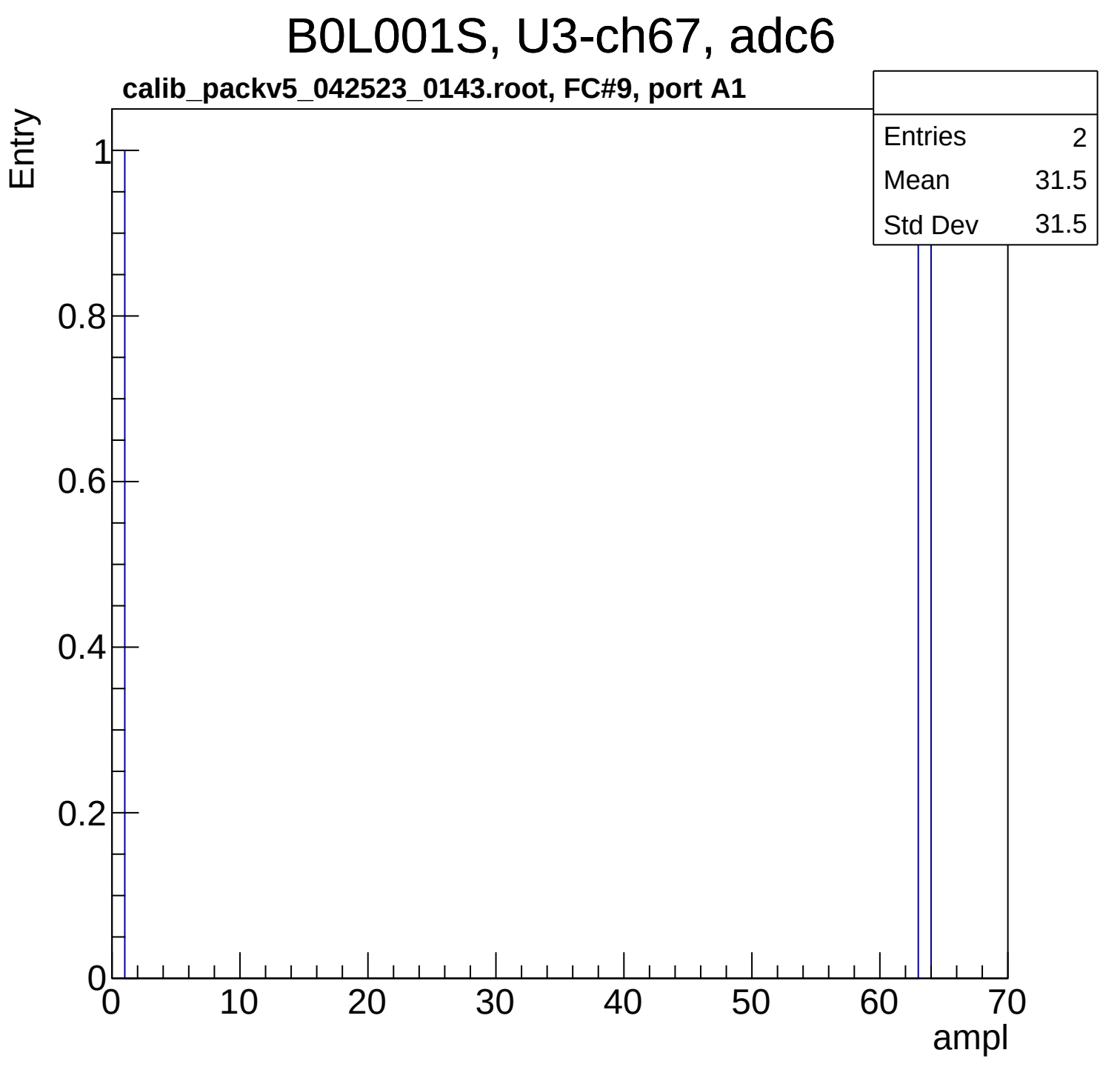

B0L001S, U3-ch67, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 35.51
Std Dev 3.388
Gaus mean : 36.1540
Gaus Width: 4.1799
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

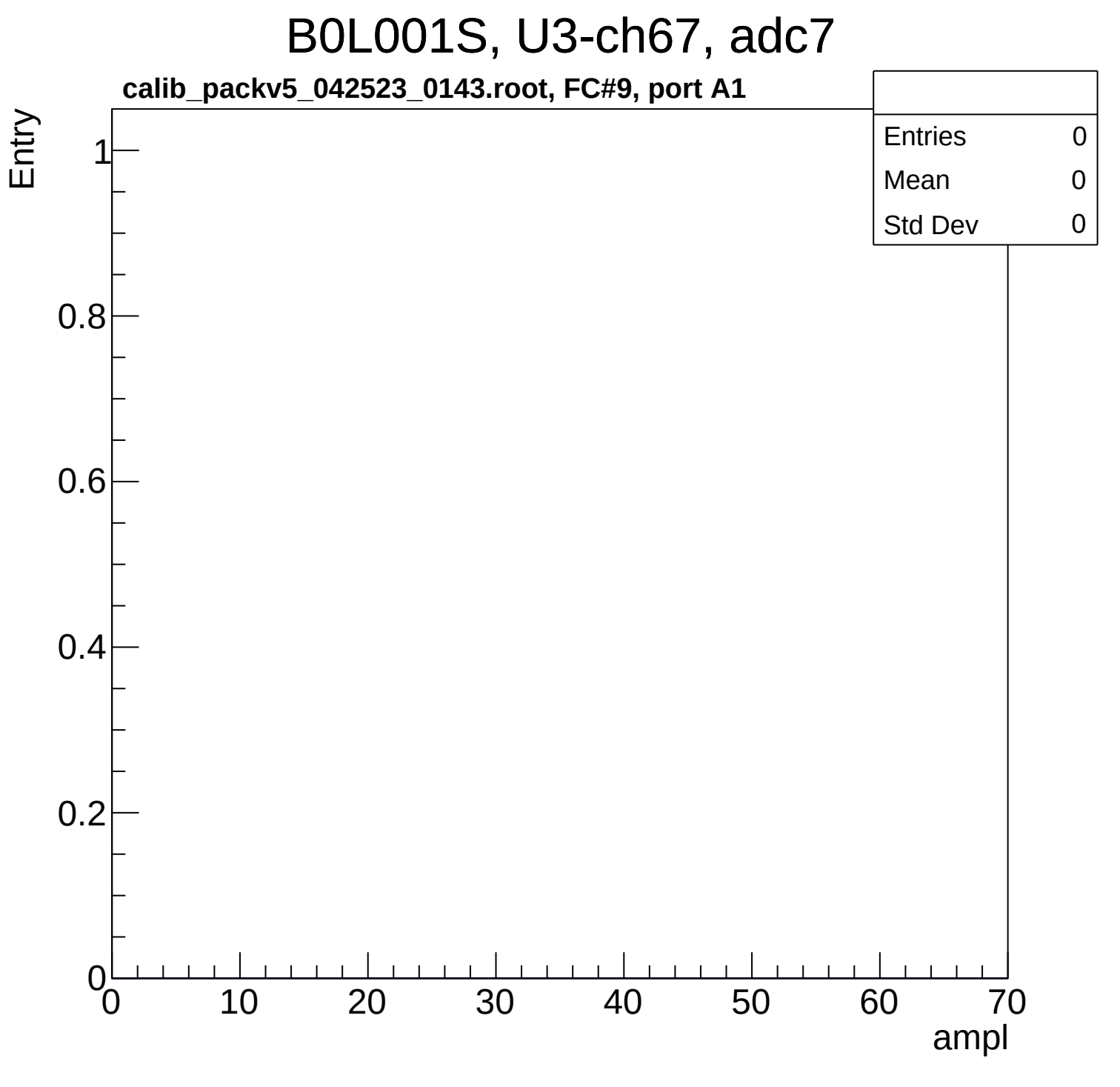

B0L001S, U3-ch67, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 42.24
Std Dev 3.429
Gaus mean : 43.2072
Gaus Width: 3.7193
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

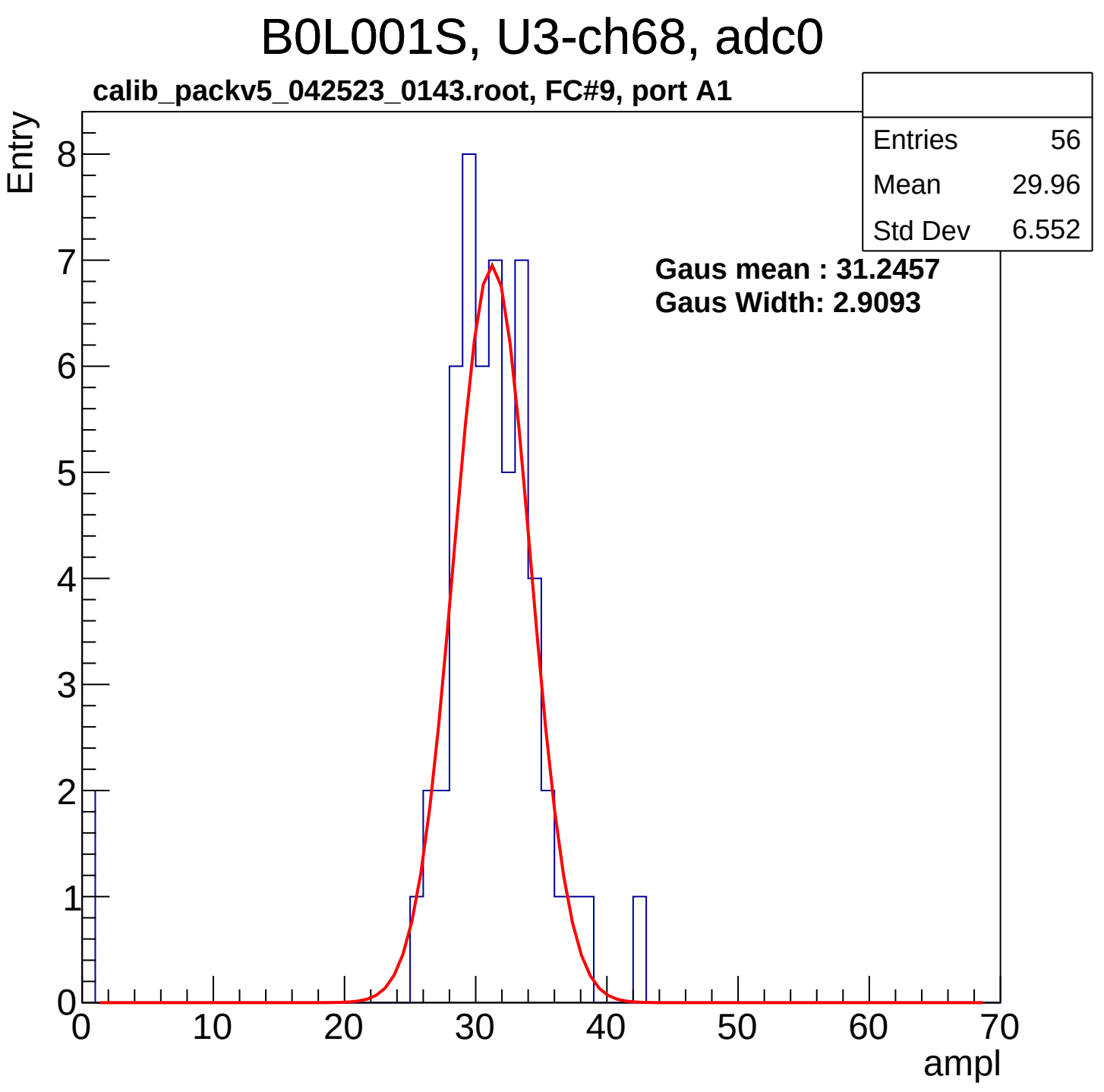

B0L001S, U3-ch67, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 49.67
Std Dev 3.147
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

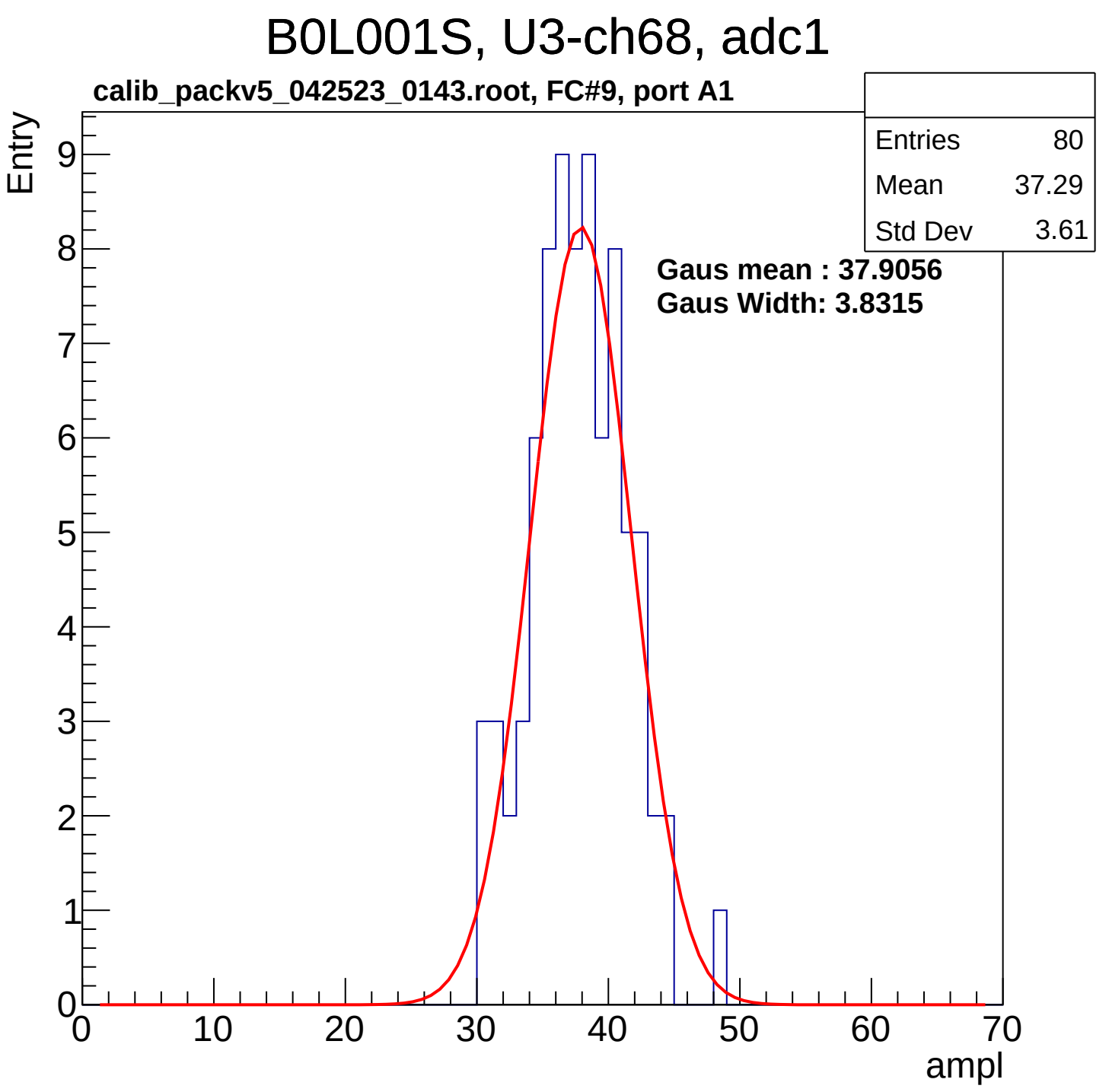

B0L001S, U3-ch67, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 55.86
Std Dev 2.943
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70

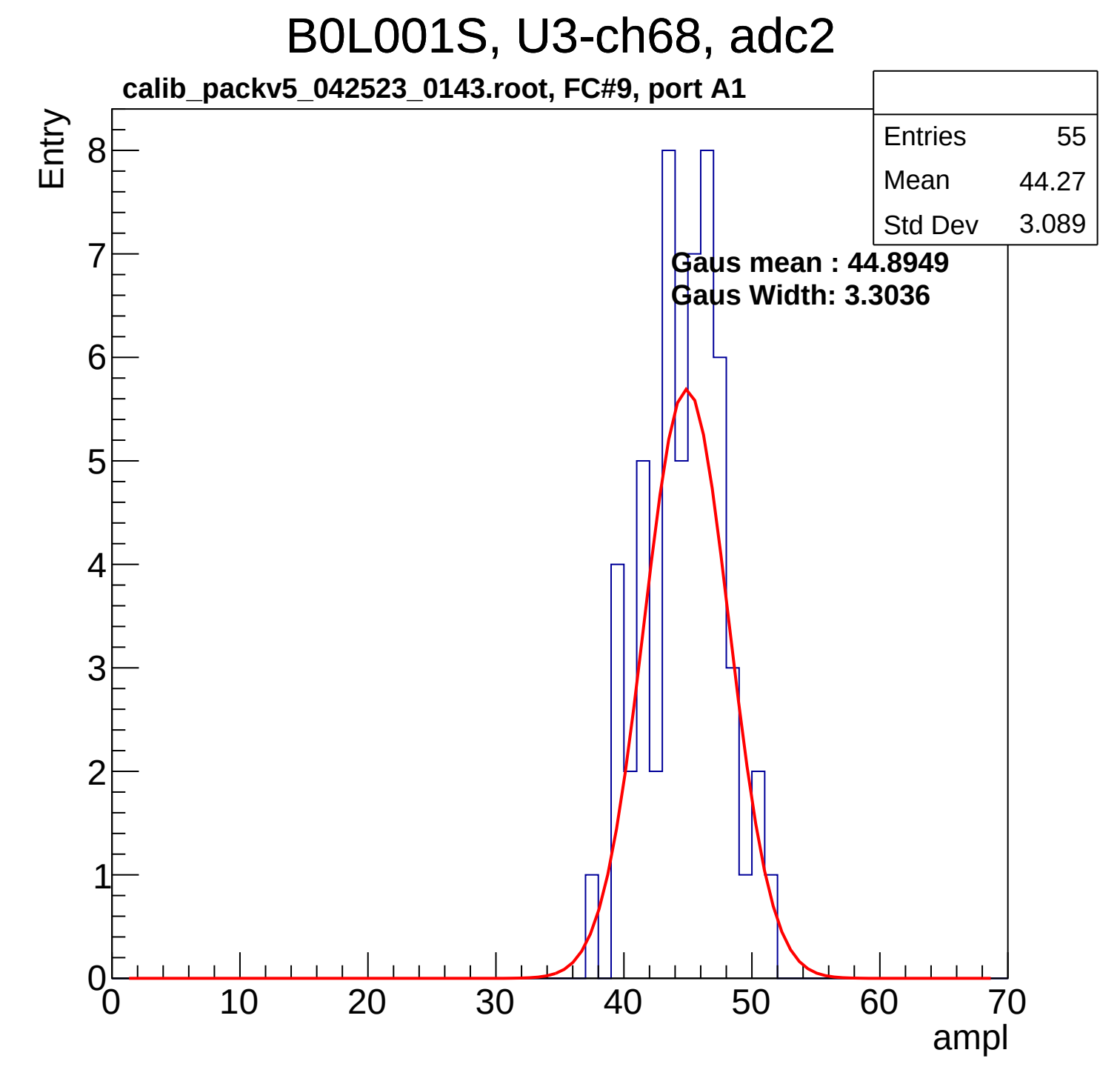

B0L001S, U3-ch67, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 59.51
Std Dev 2.931
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

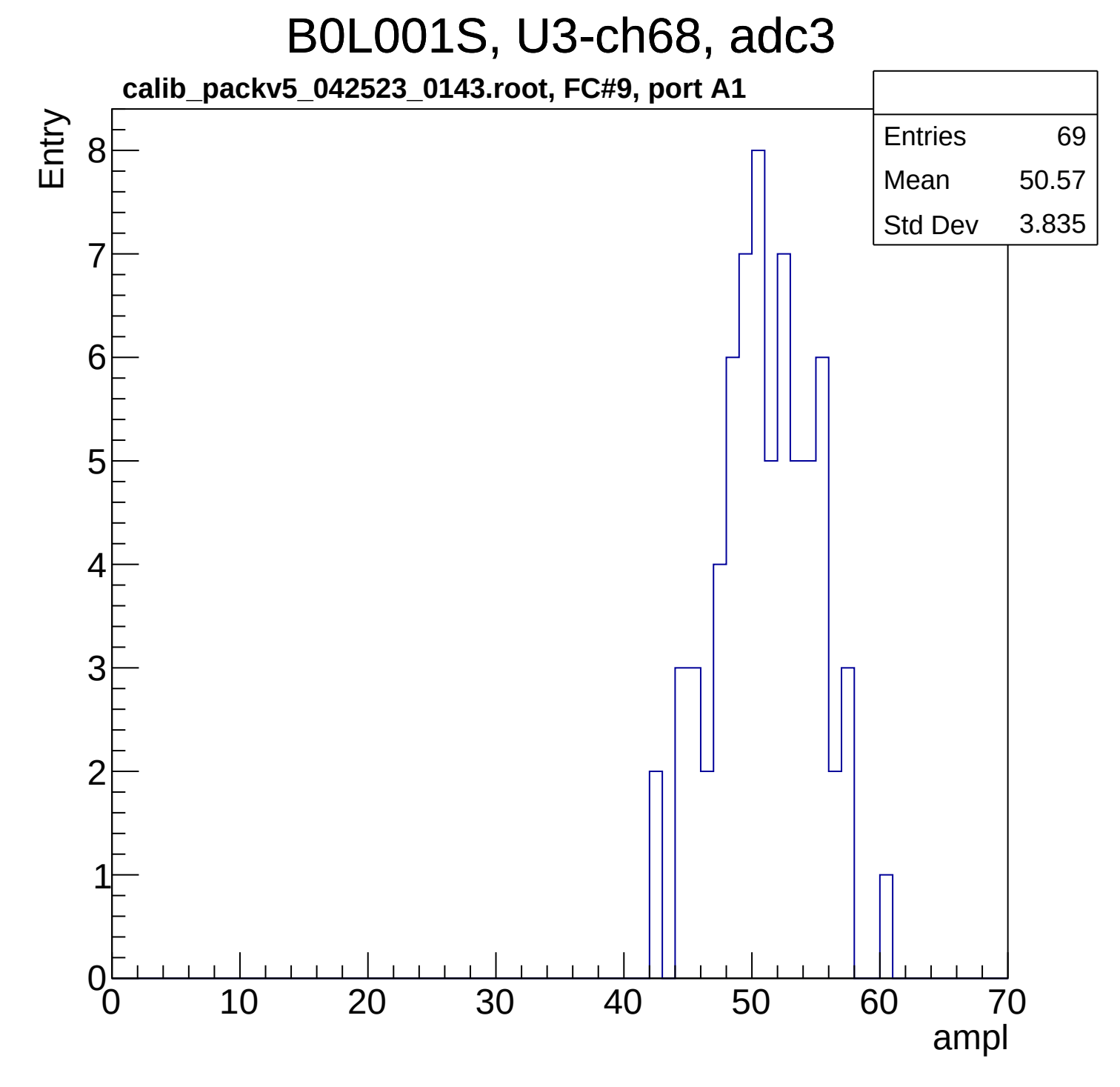

B0L001S, U3-ch67, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

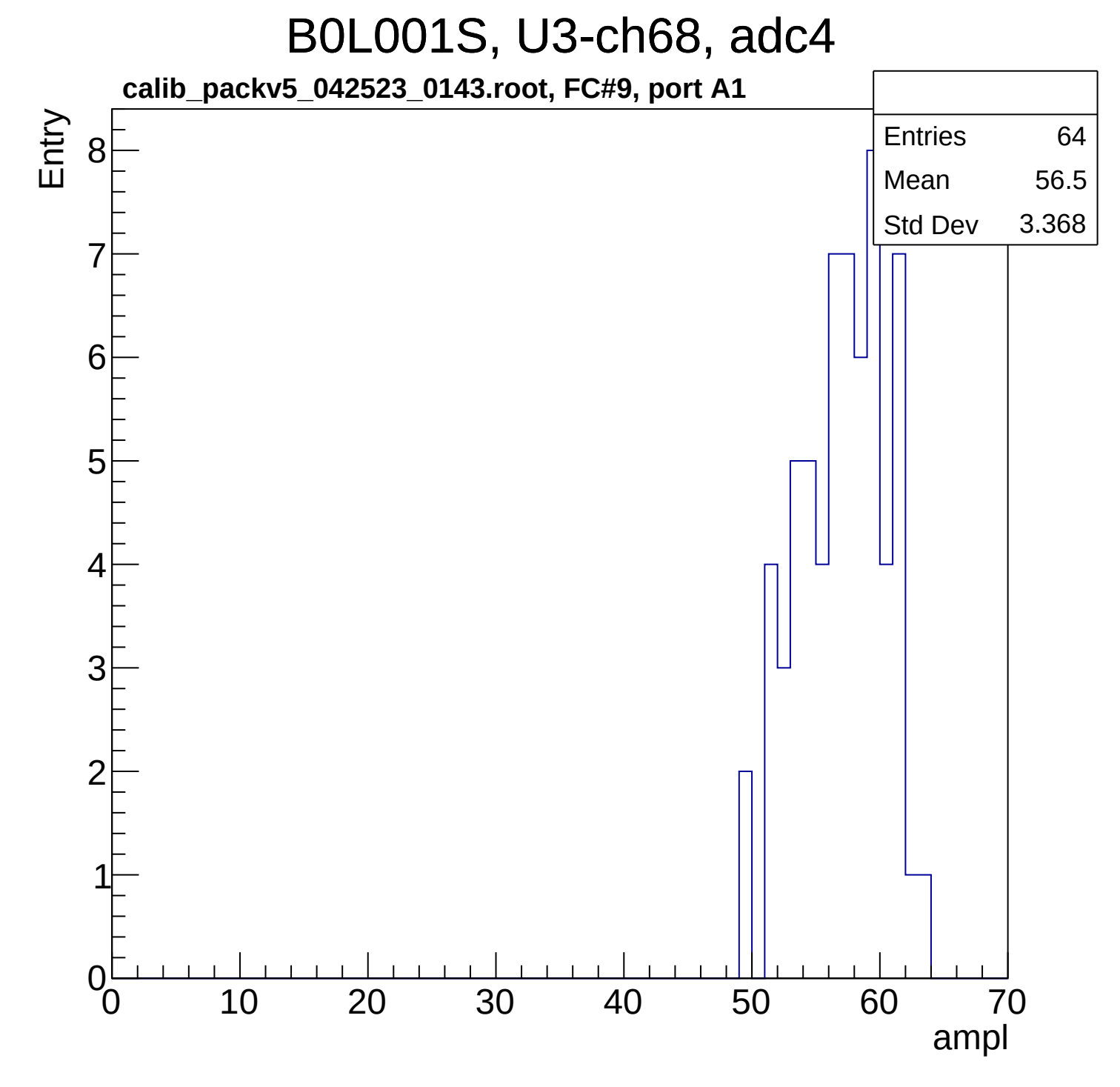

B0L001S, U3-ch67, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

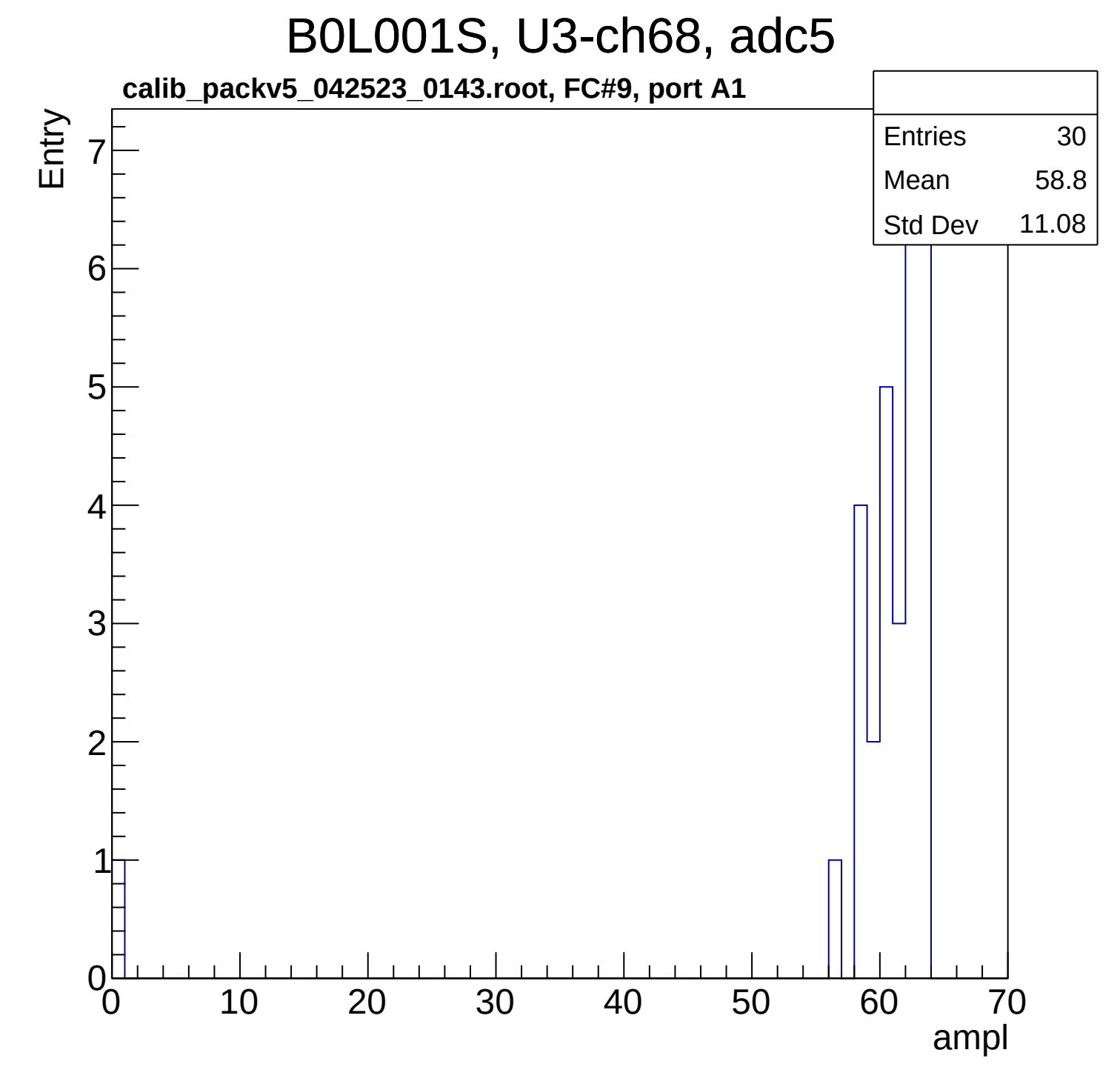

B0L001S, U3-ch68, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 29.96
Std Dev 6.552
Gaus mean : 31.2457
Gaus Width: 2.9093
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch68, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 37.29
Std Dev 3.61
Gaus mean : 37.9056
Gaus Width: 3.8315
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch68, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 44.27
Std Dev 3.089
Gaus mean : 44.8949
Gaus Width: 3.3036
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch68, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 50.57
Std Dev 3.835
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch68, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 56.5
Std Dev 3.368
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch68, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 30
Mean 58.8
Std Dev 11.08
Entry
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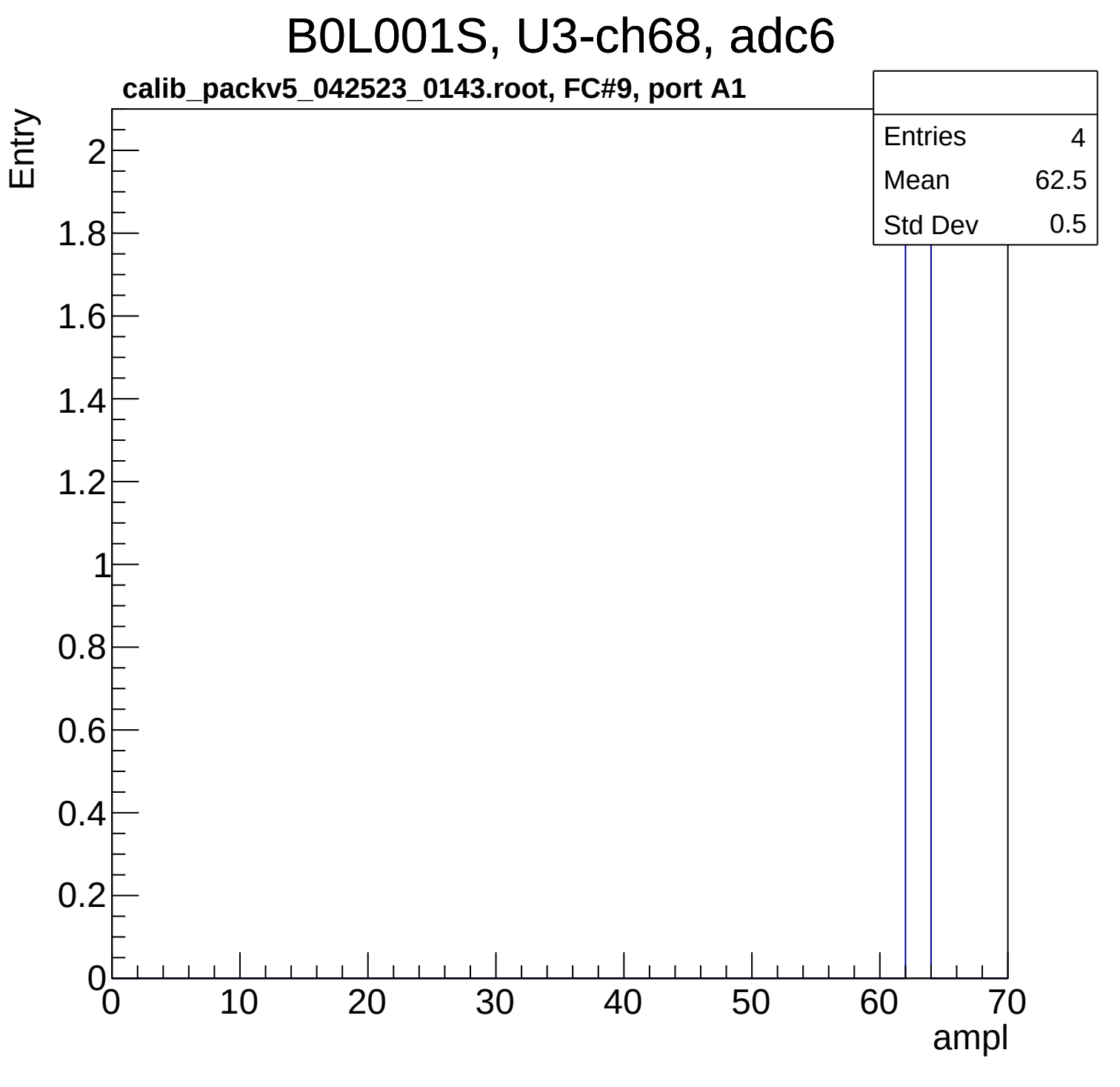
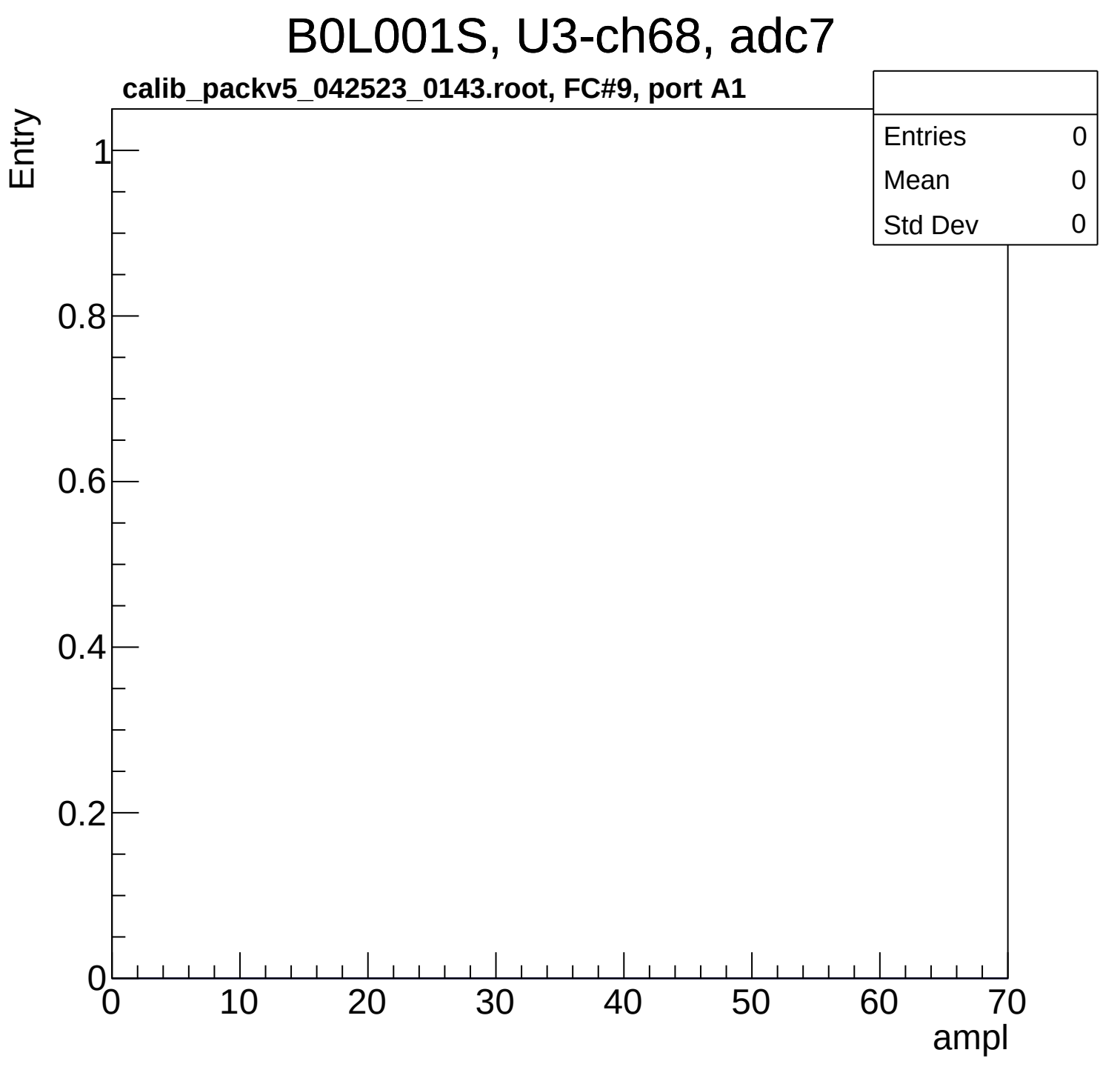
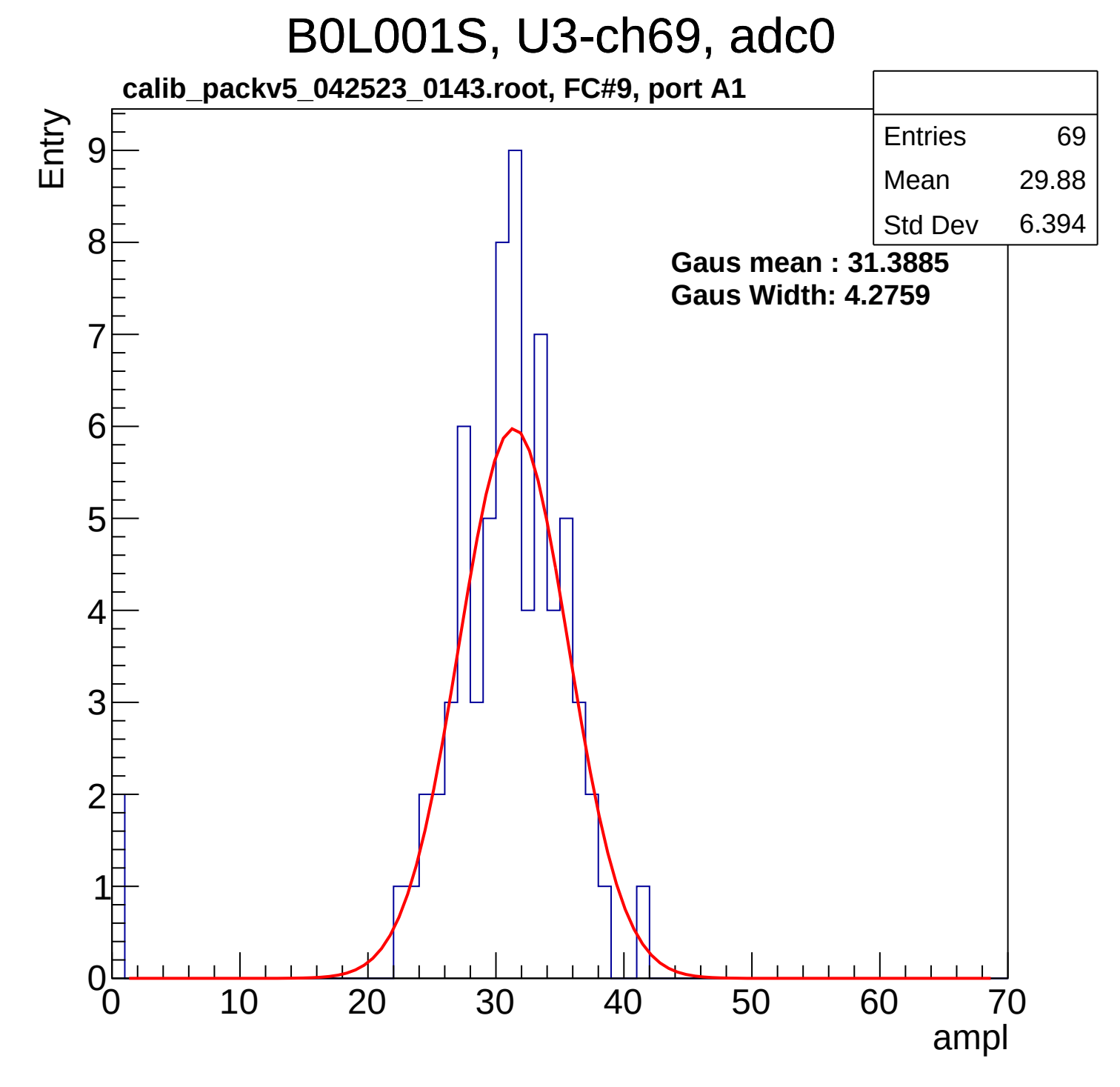
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch68, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch68, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch69, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 29.88
Std Dev 6.394
Gaus mean : 31.3885
Gaus Width: 4.2759
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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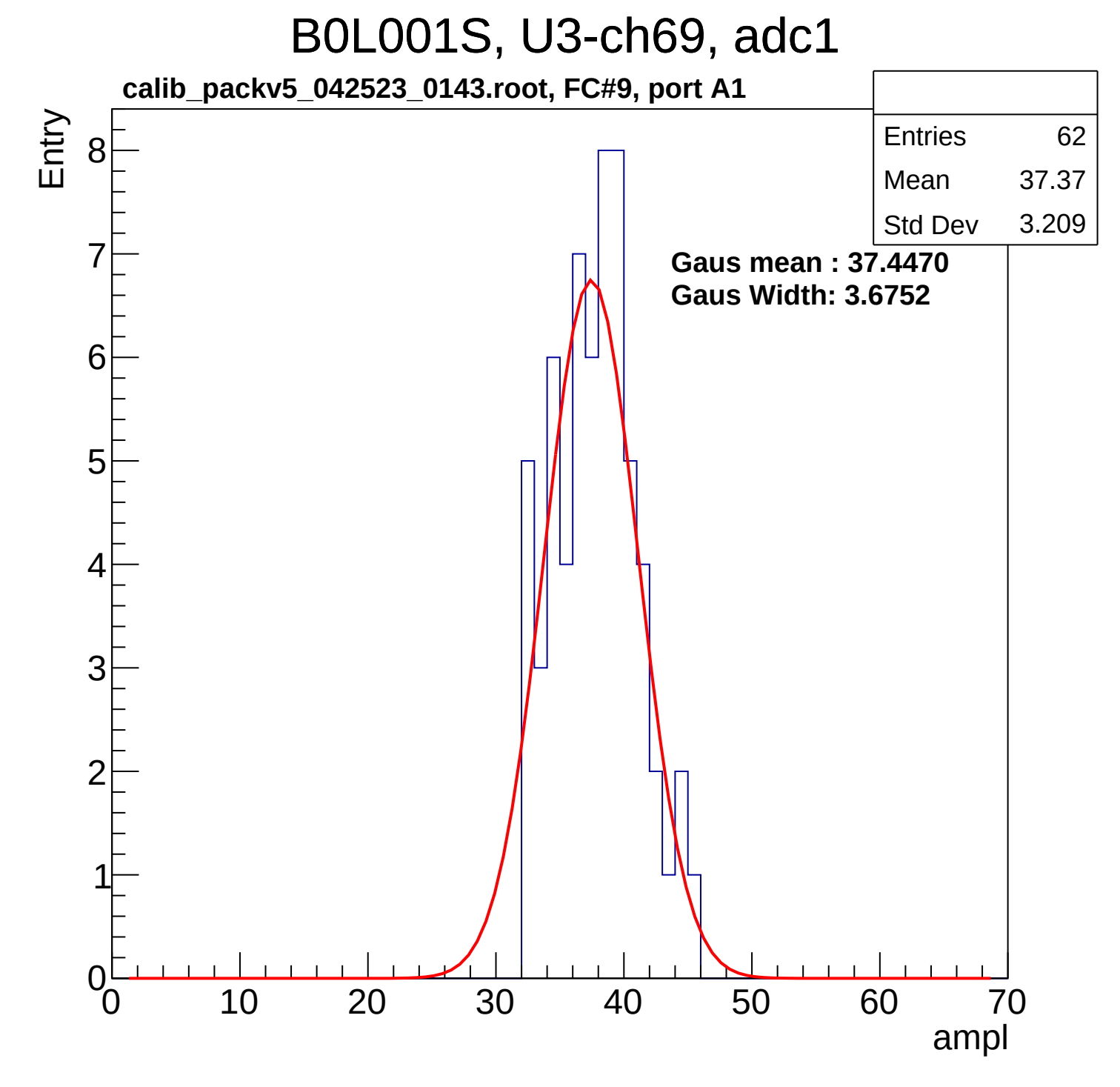
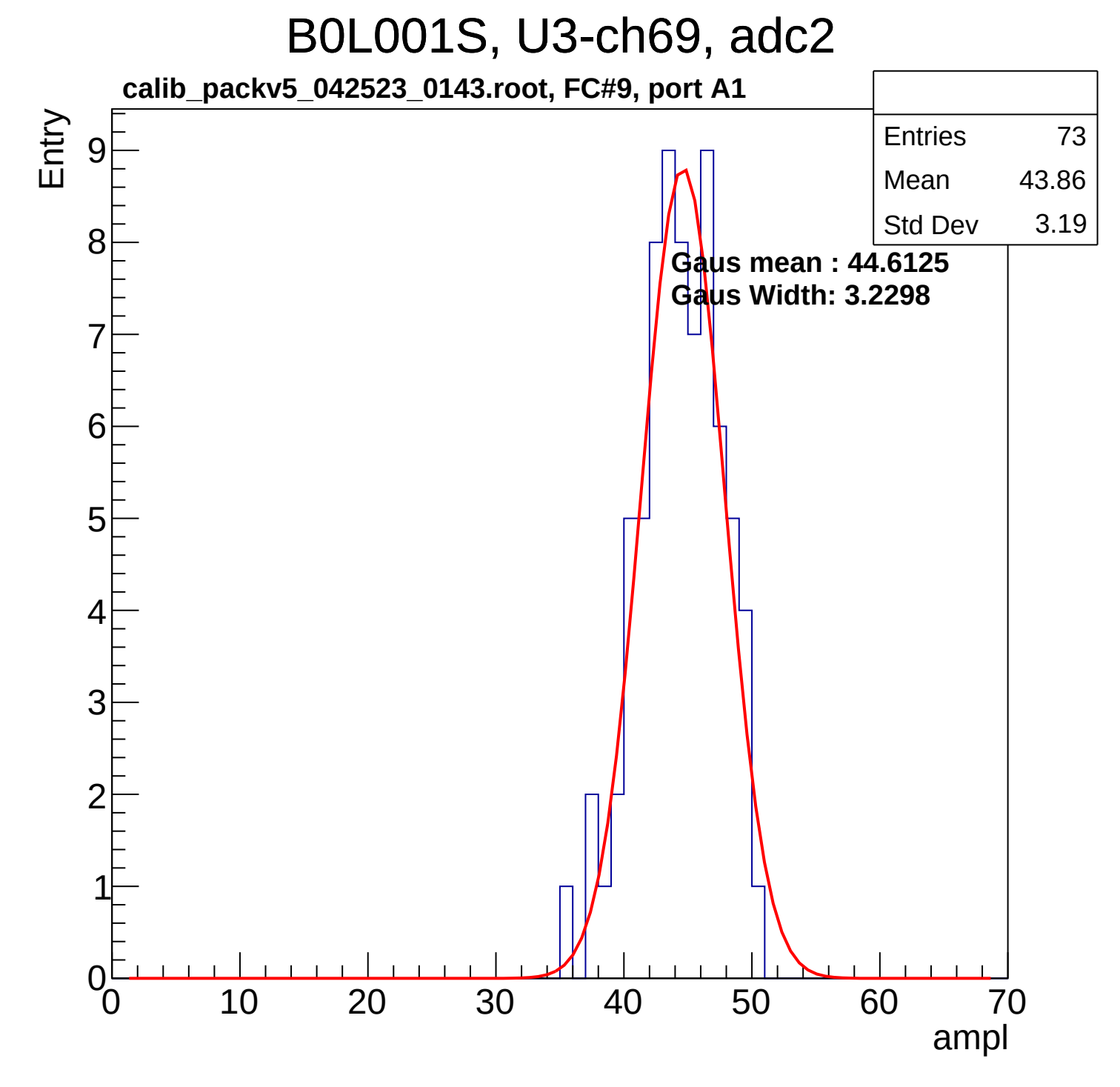
40
50
60
70


B0L001S, U3-ch69, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 37.37
Std Dev 3.209
Gaus mean : 37.4470
Gaus Width: 3.6752
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch69, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 43.86
Std Dev 3.19
Gaus mean : 44.6125
Gaus Width: 3.2298
Entry
ampl
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2
3
4
5
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0
10
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60
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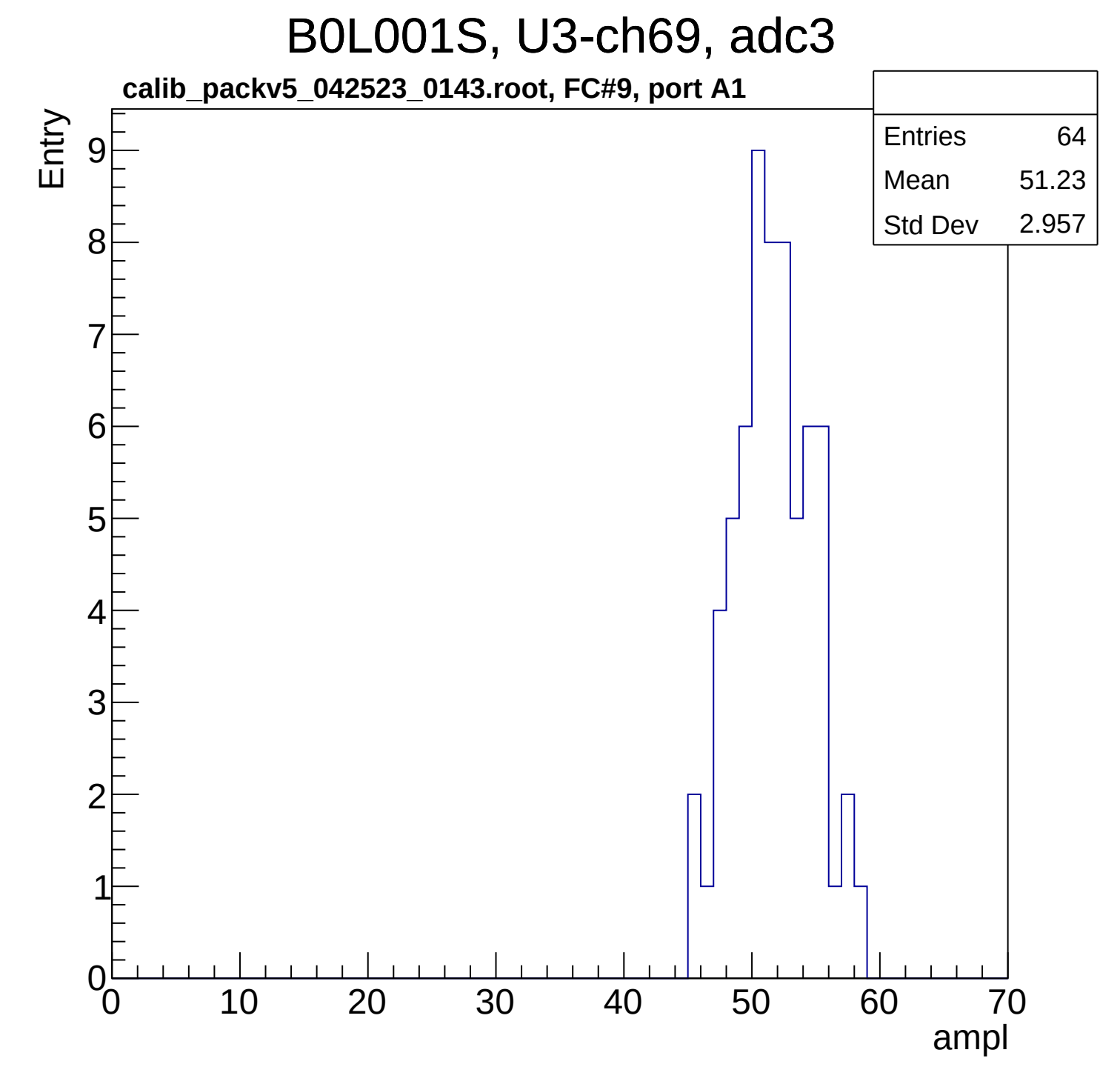
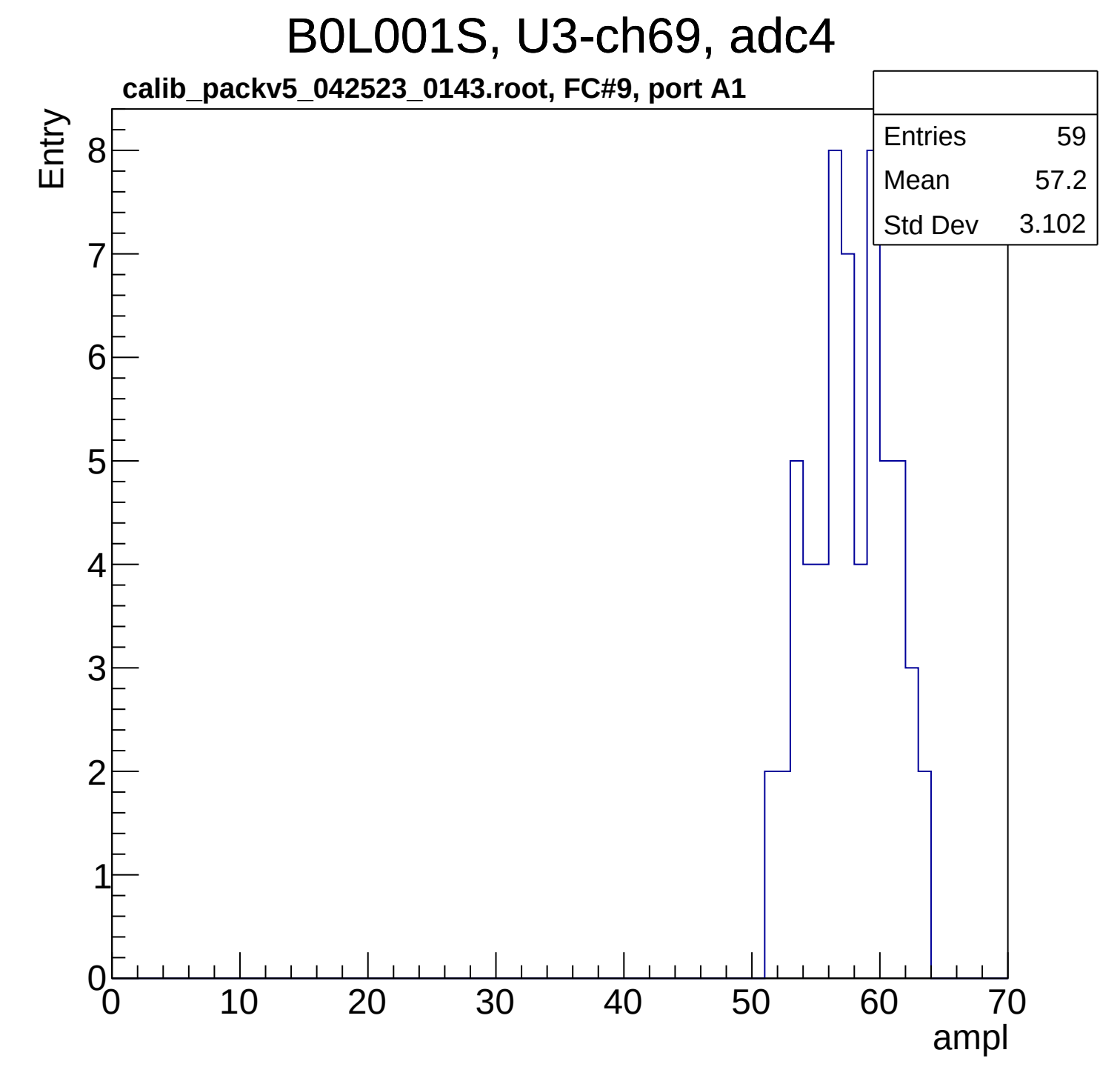
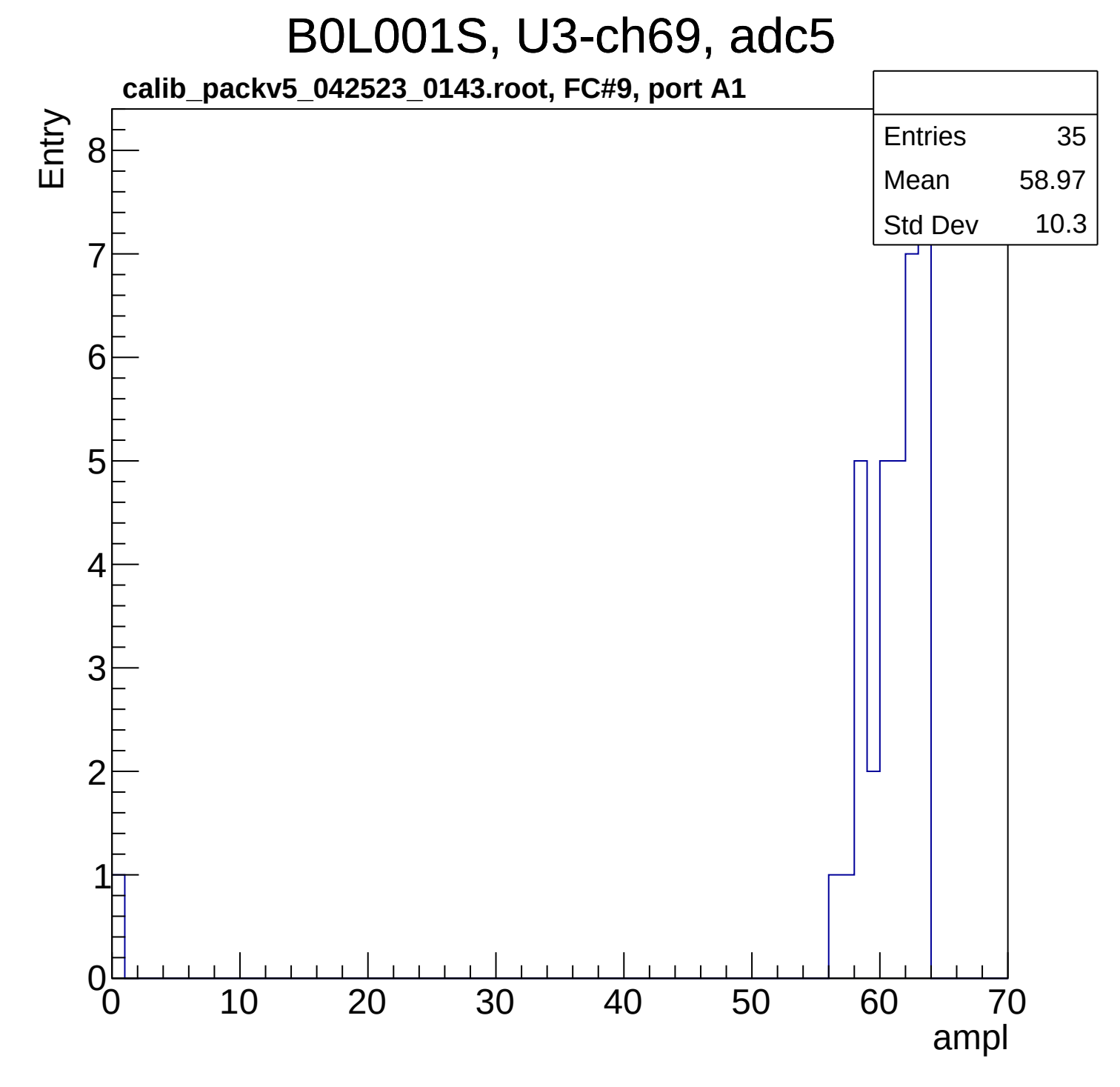

B0L001S, U3-ch69, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 51.23
Std Dev 2.957
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch69, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 57.2
Std Dev 3.102
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch69, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 35
Mean 58.97
Std Dev 10.3
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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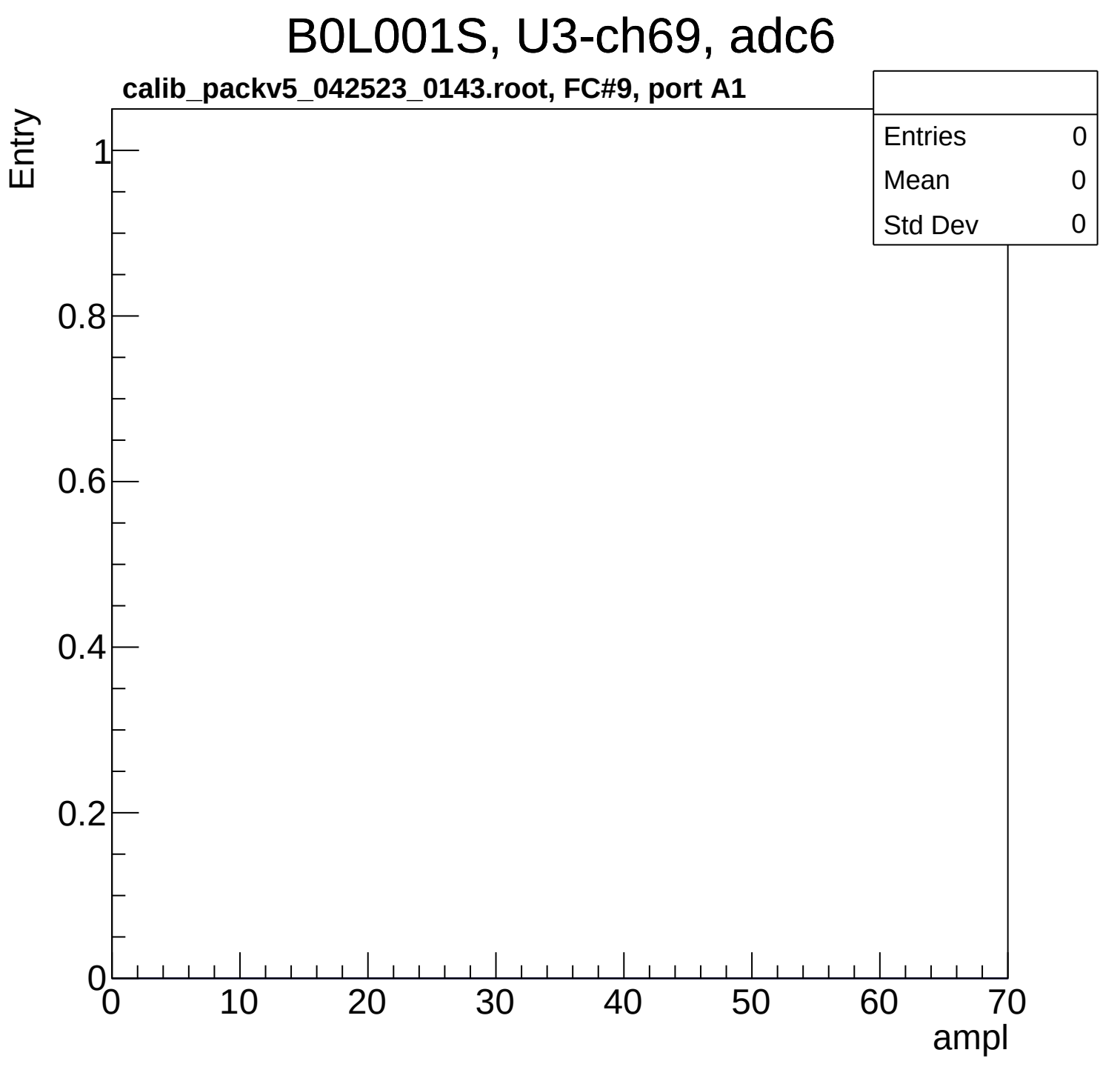
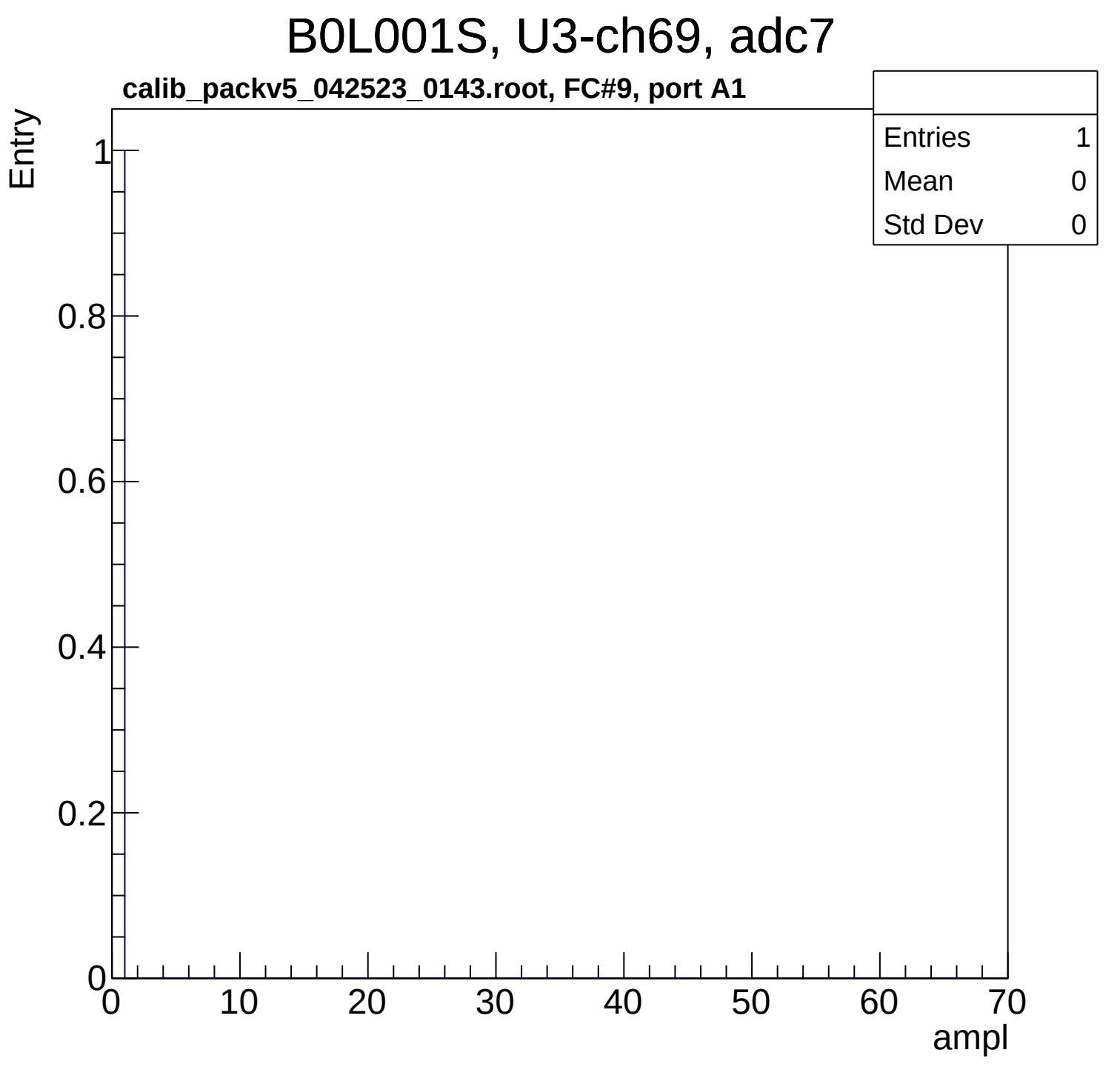
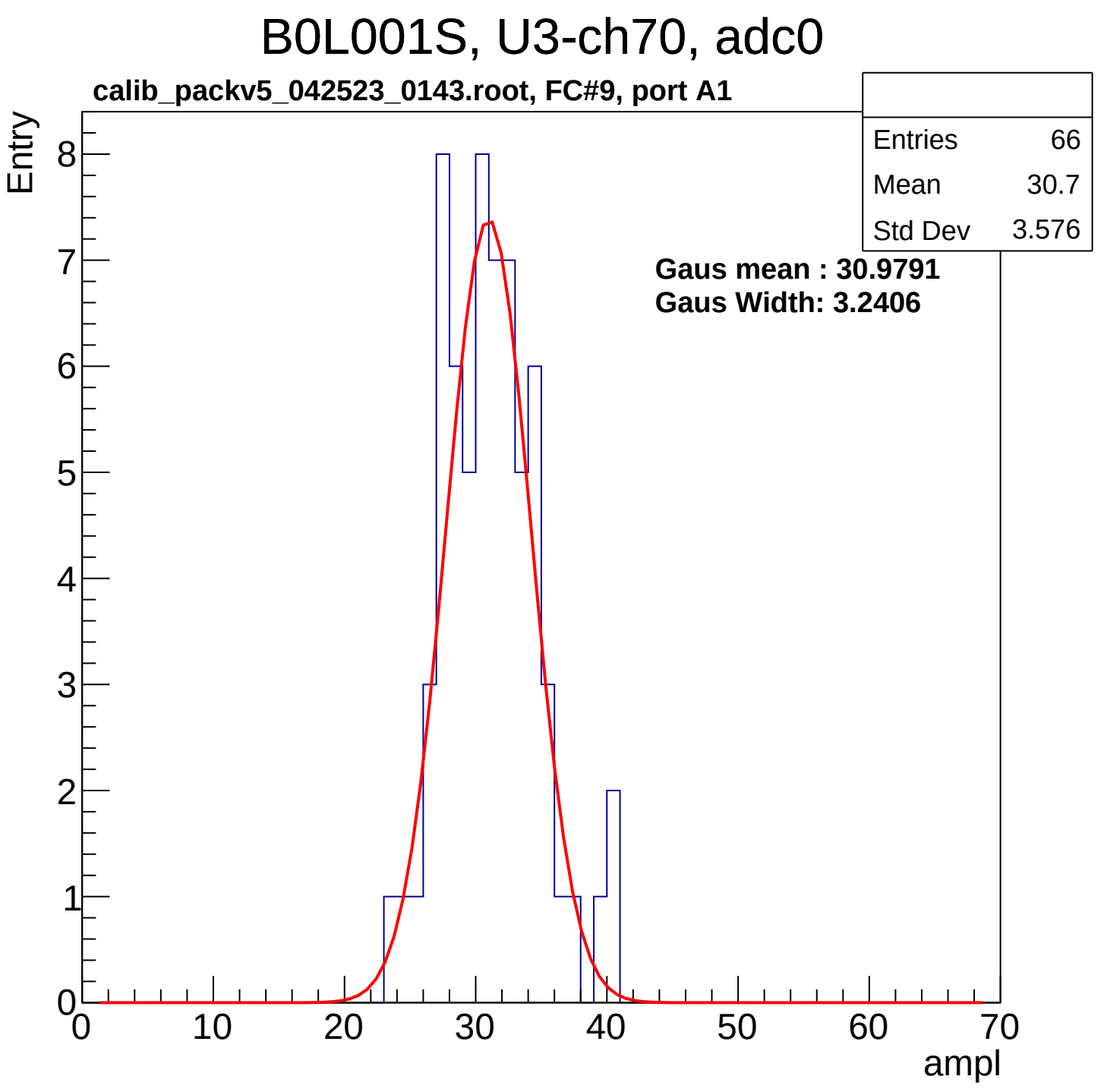
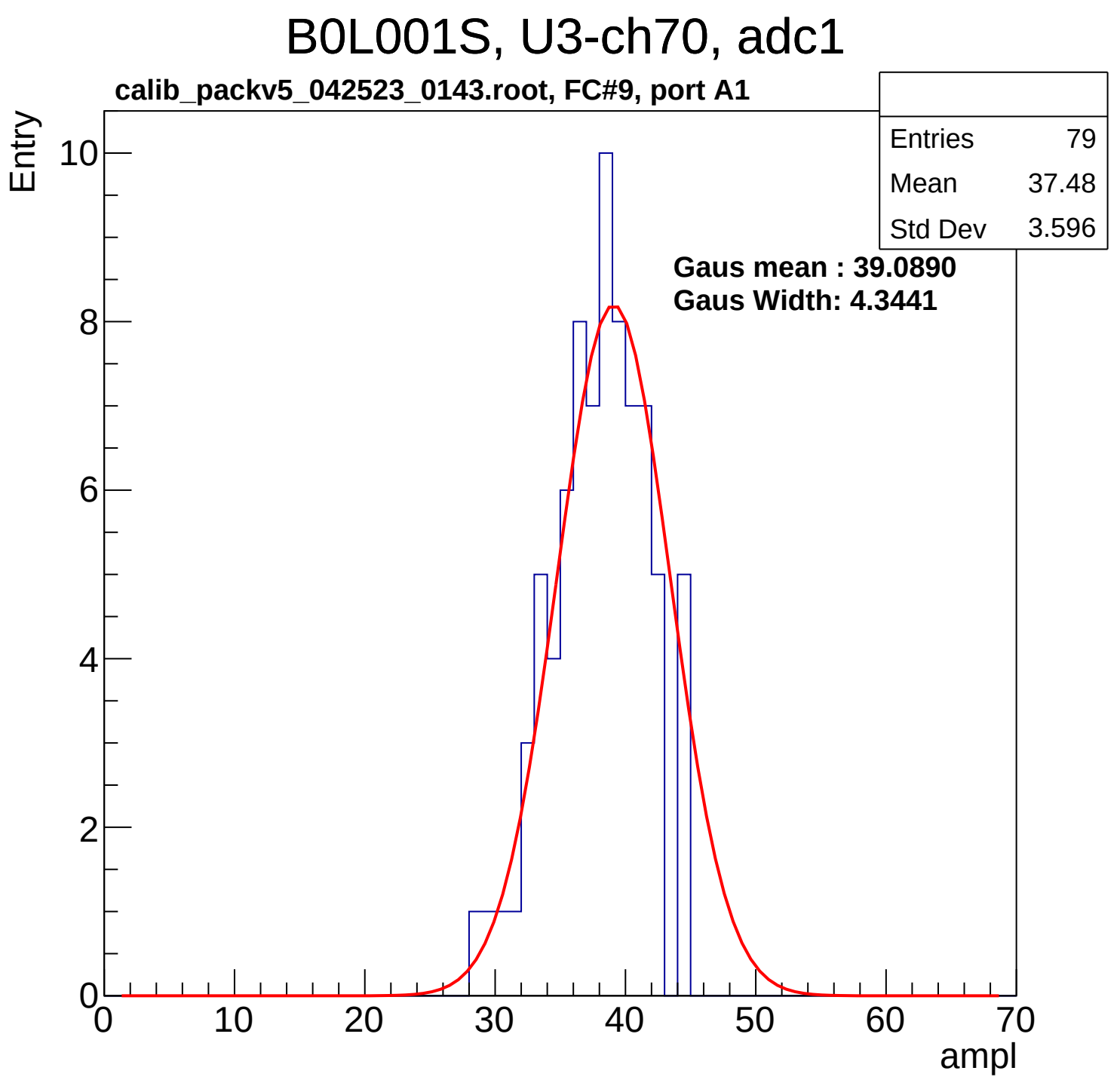
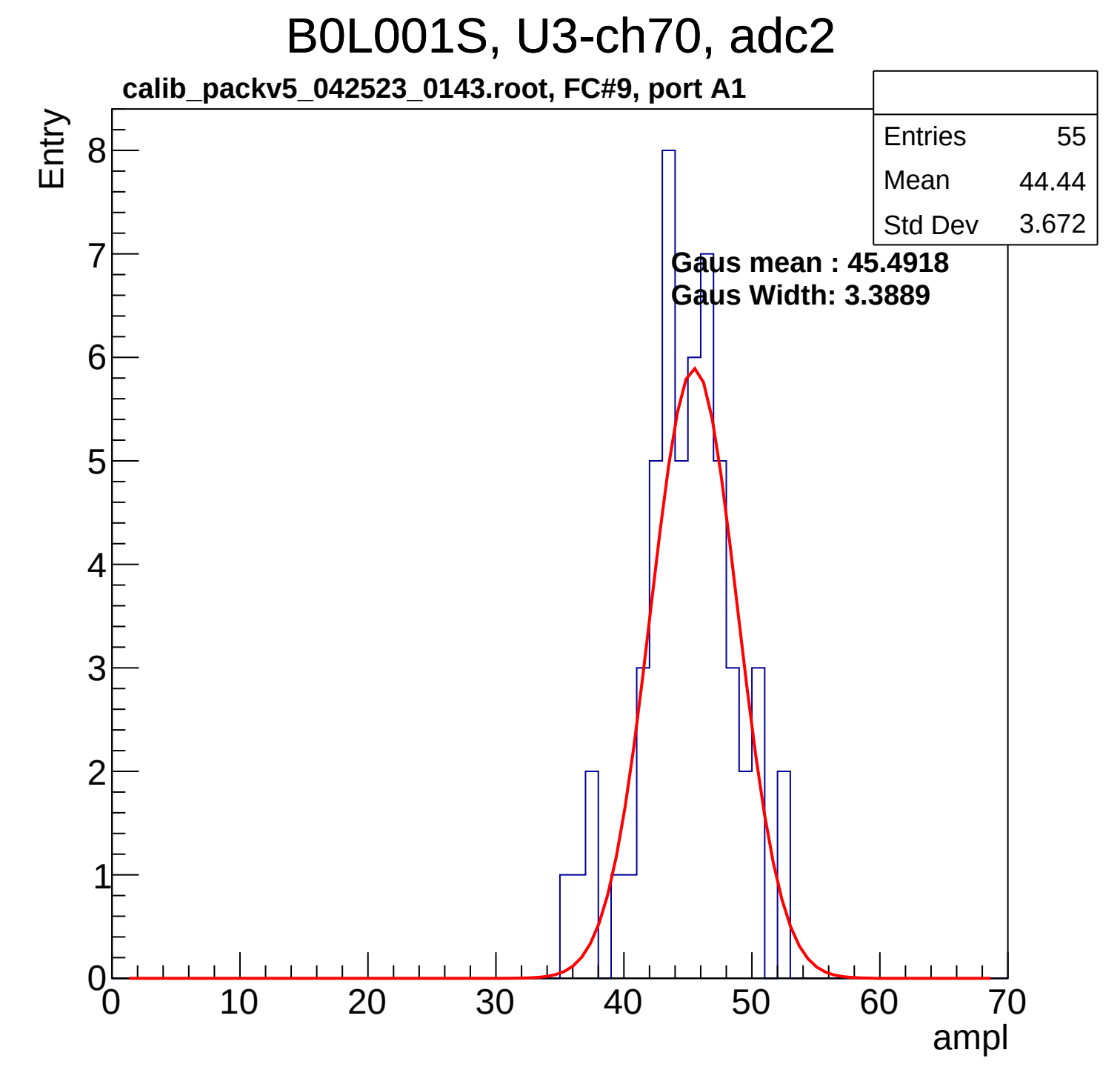
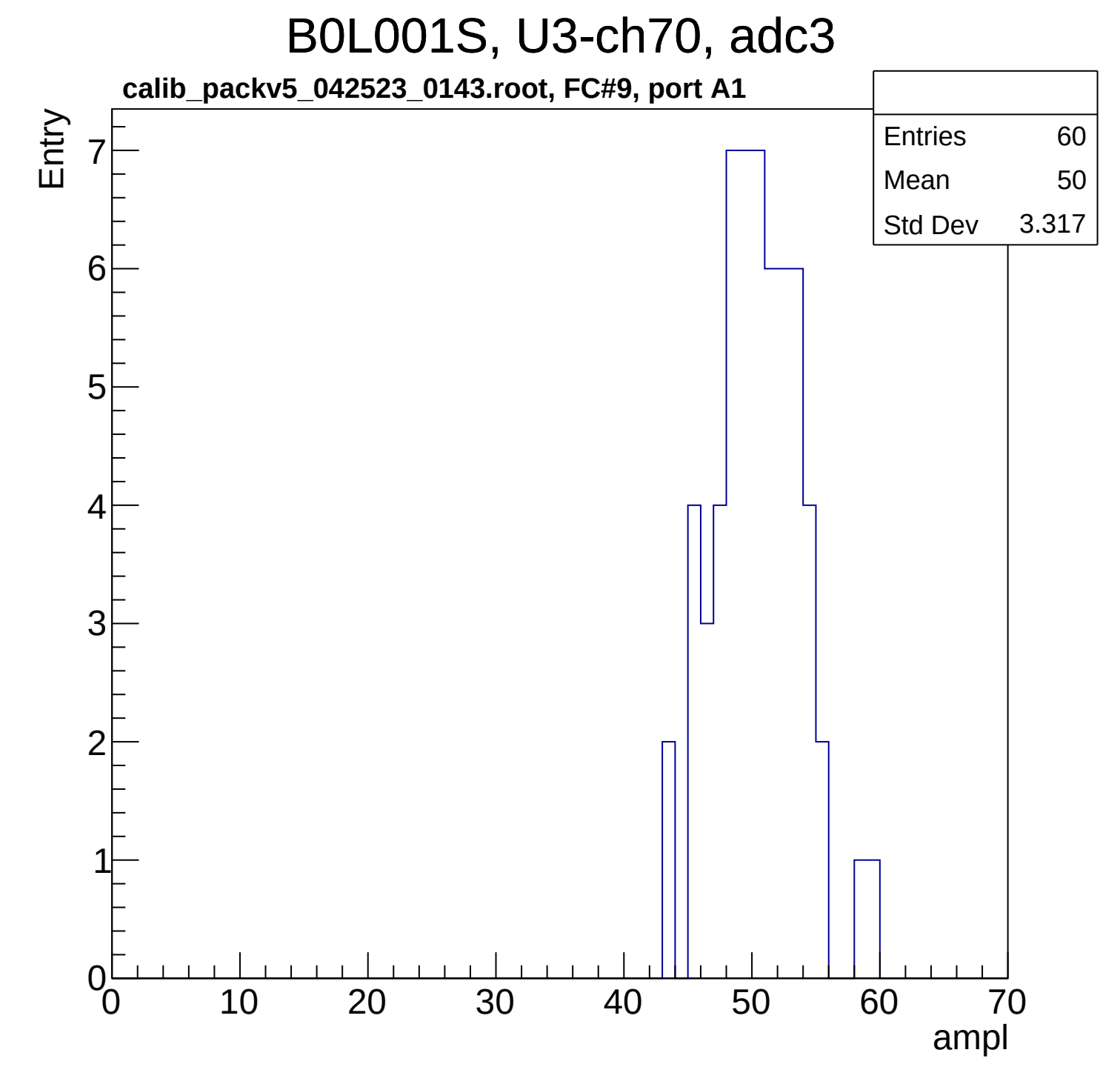

B0L001S, U3-ch69, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

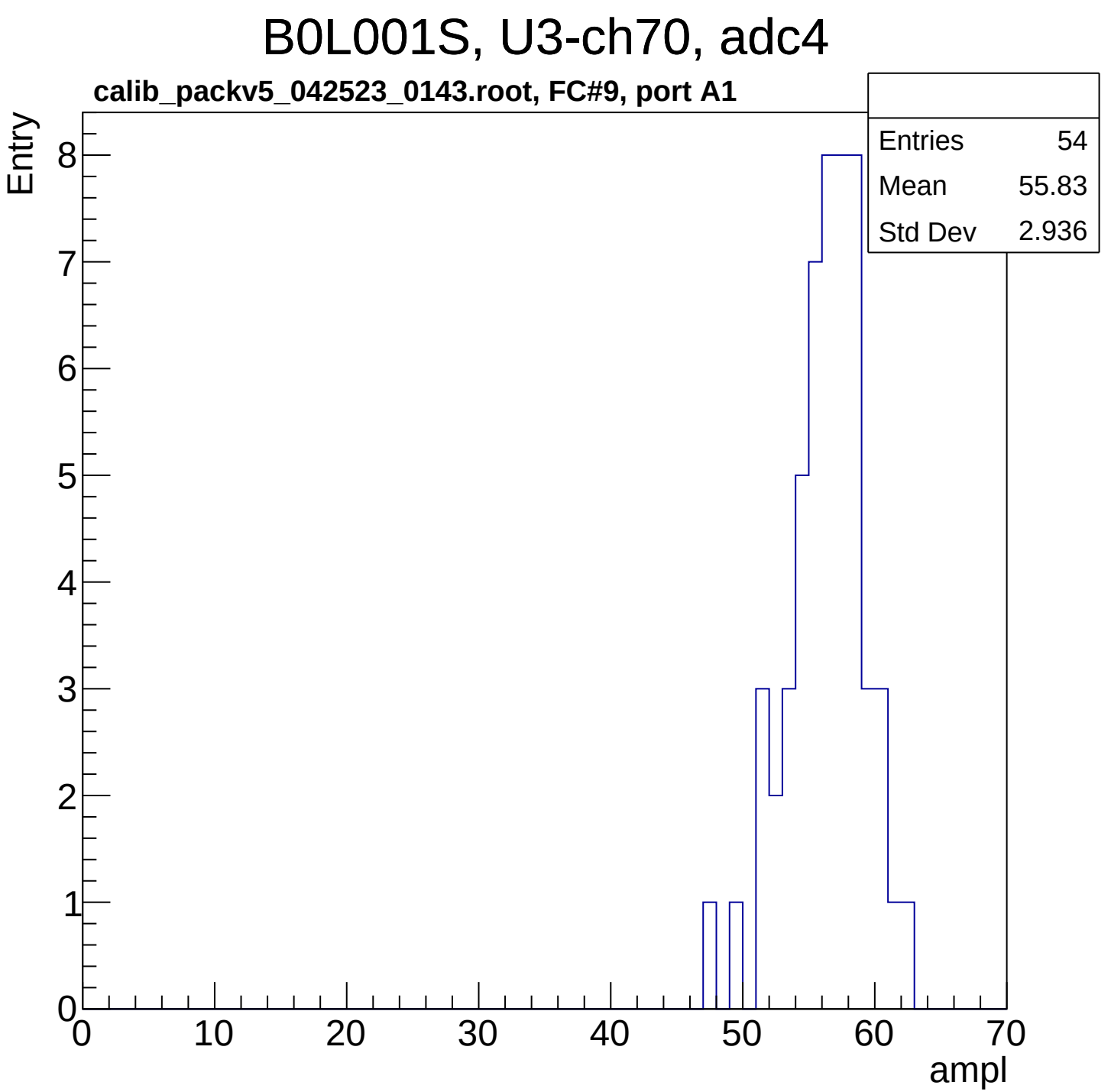

B0L001S, U3-ch69, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch70, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 30.7
Std Dev 3.576
Gaus mean : 30.9791
Gaus Width: 3.2406
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch70, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 37.48
Std Dev 3.596
Gaus mean : 39.0890
Gaus Width: 4.3441
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch70, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 44.44
Std Dev 3.672
Gaus mean : 45.4918
Gaus Width: 3.3889
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch70, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 50
Std Dev 3.317
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch70, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 55.83
Std Dev 2.936
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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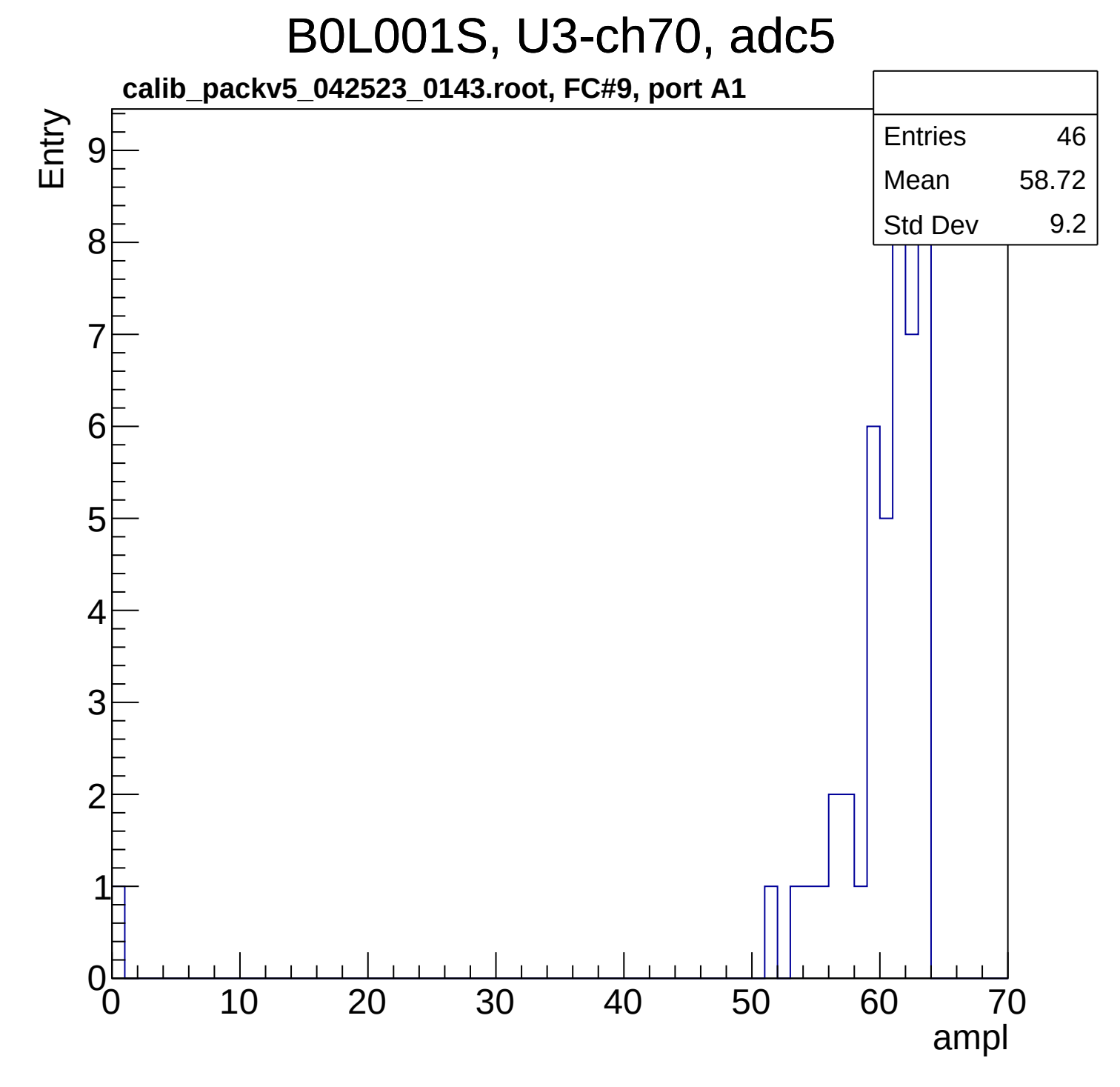
B0L001S, U3-ch70, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 58.72
Std Dev 9.2
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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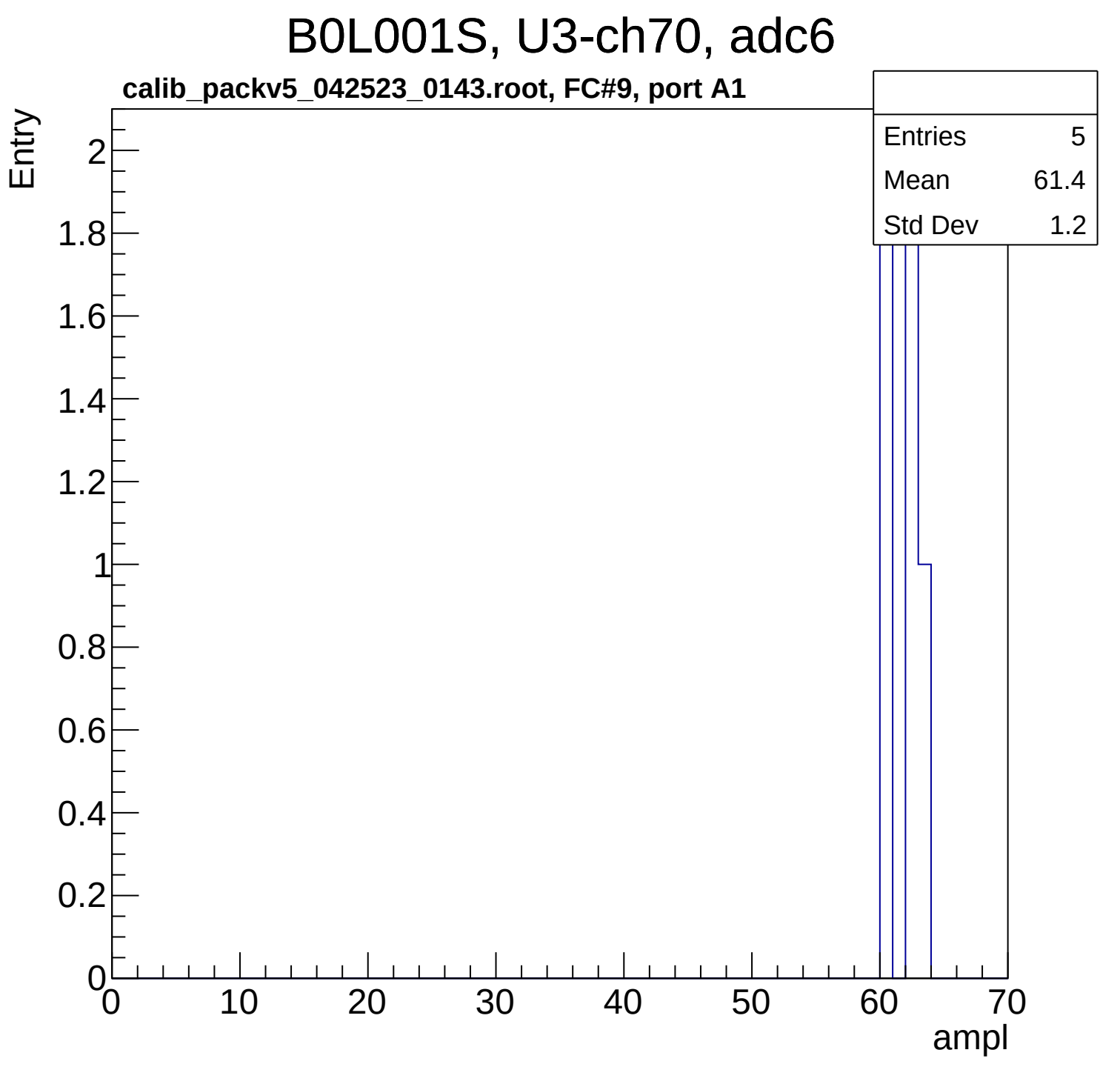
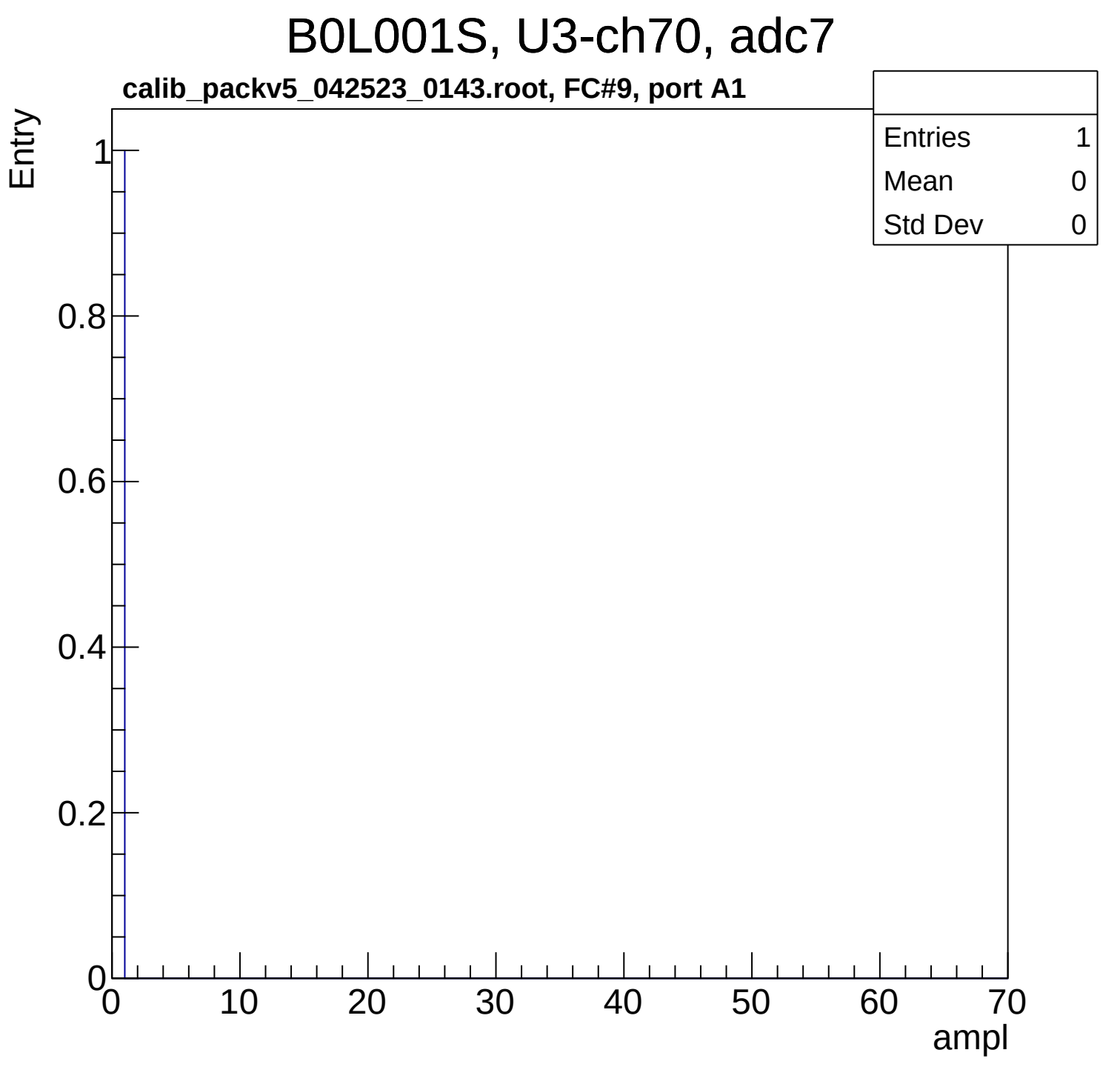
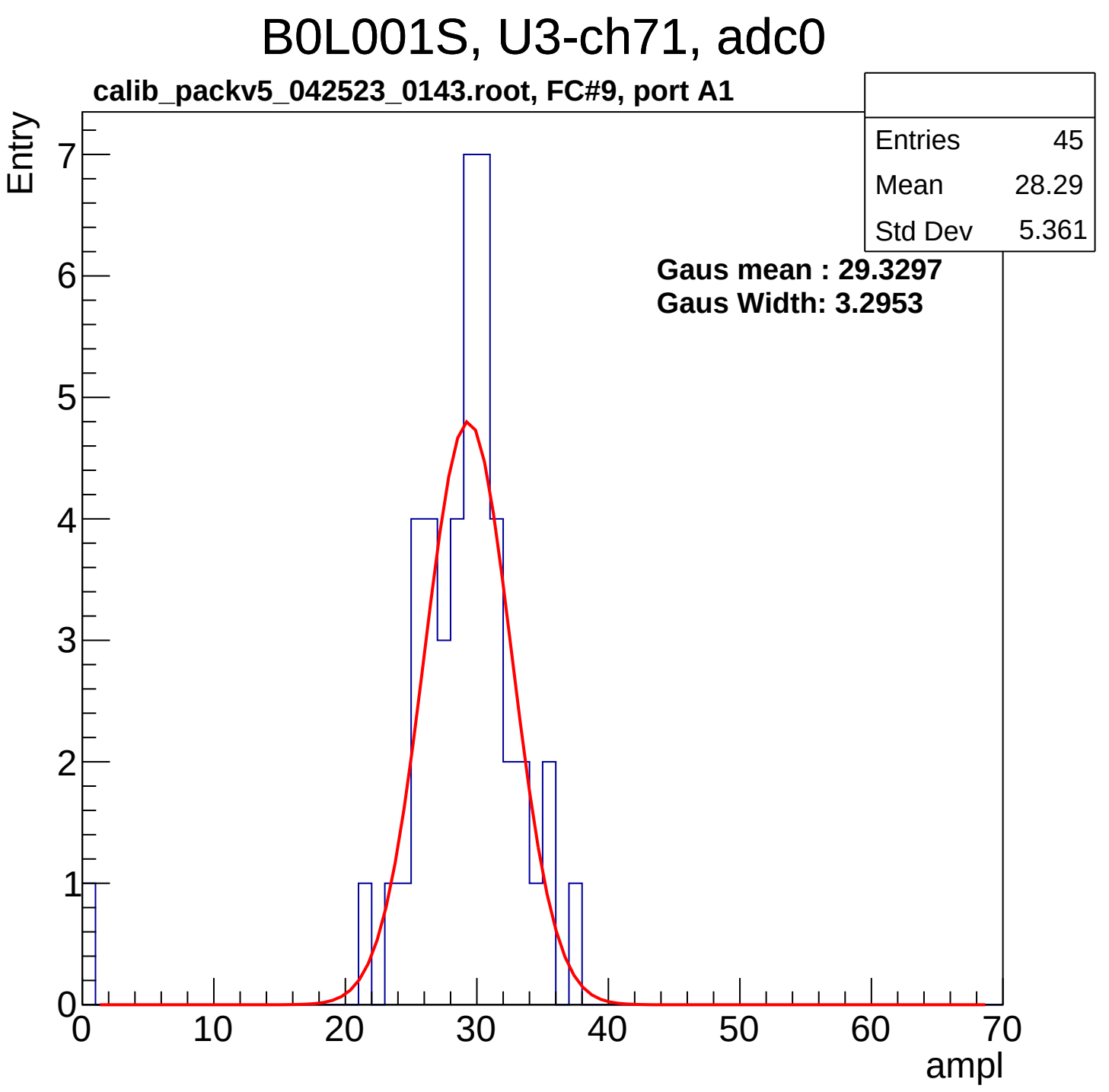
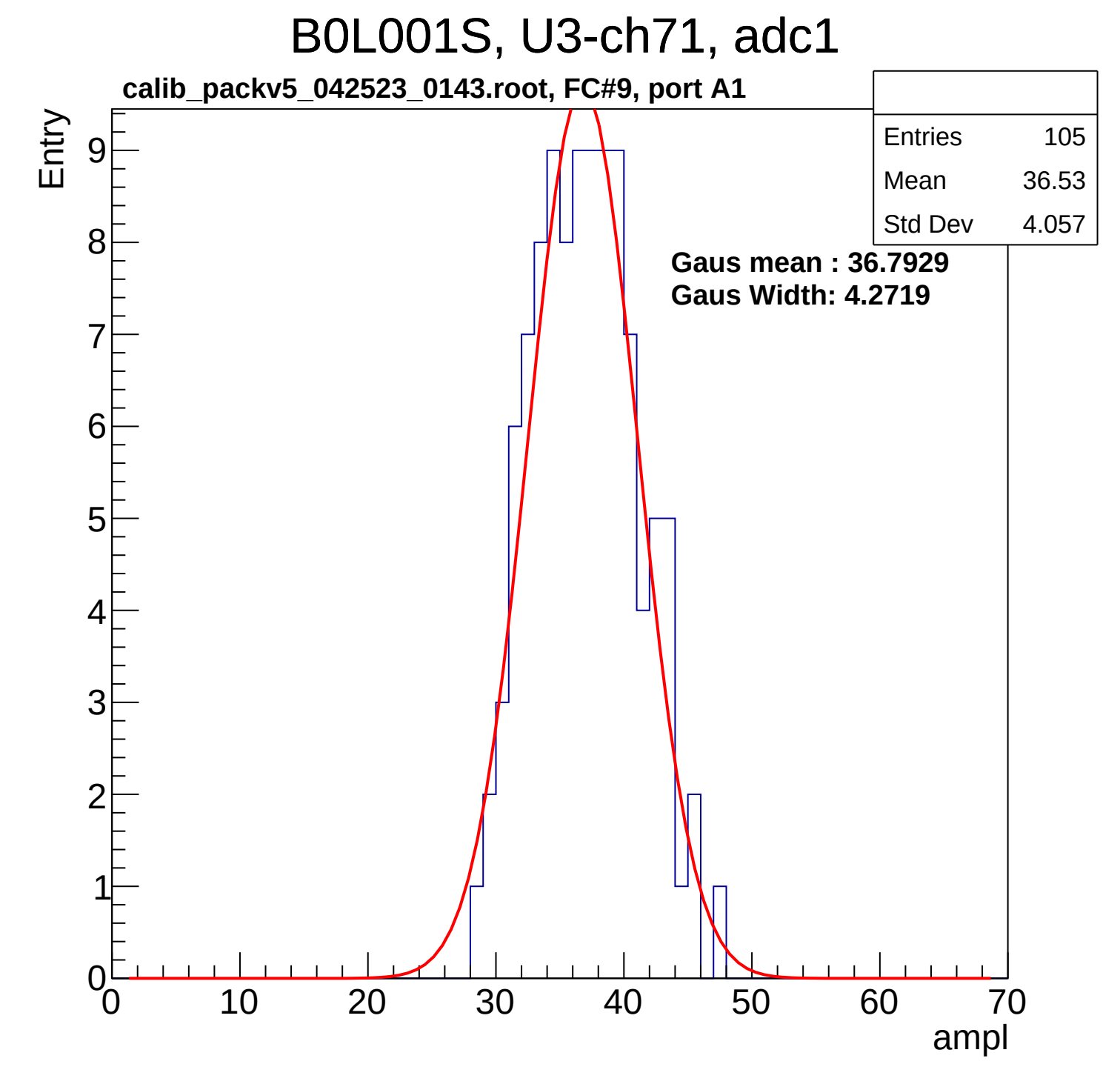
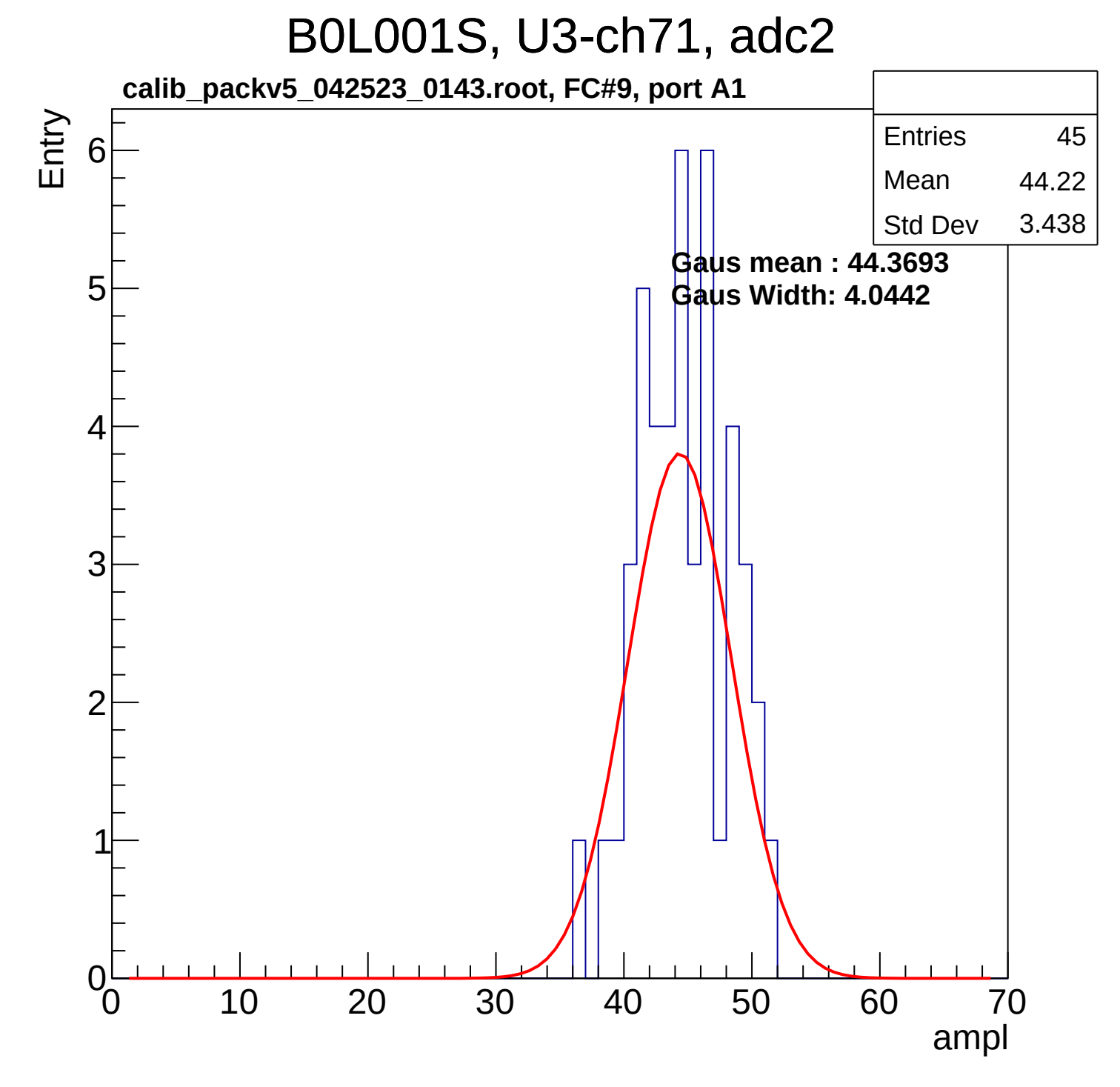
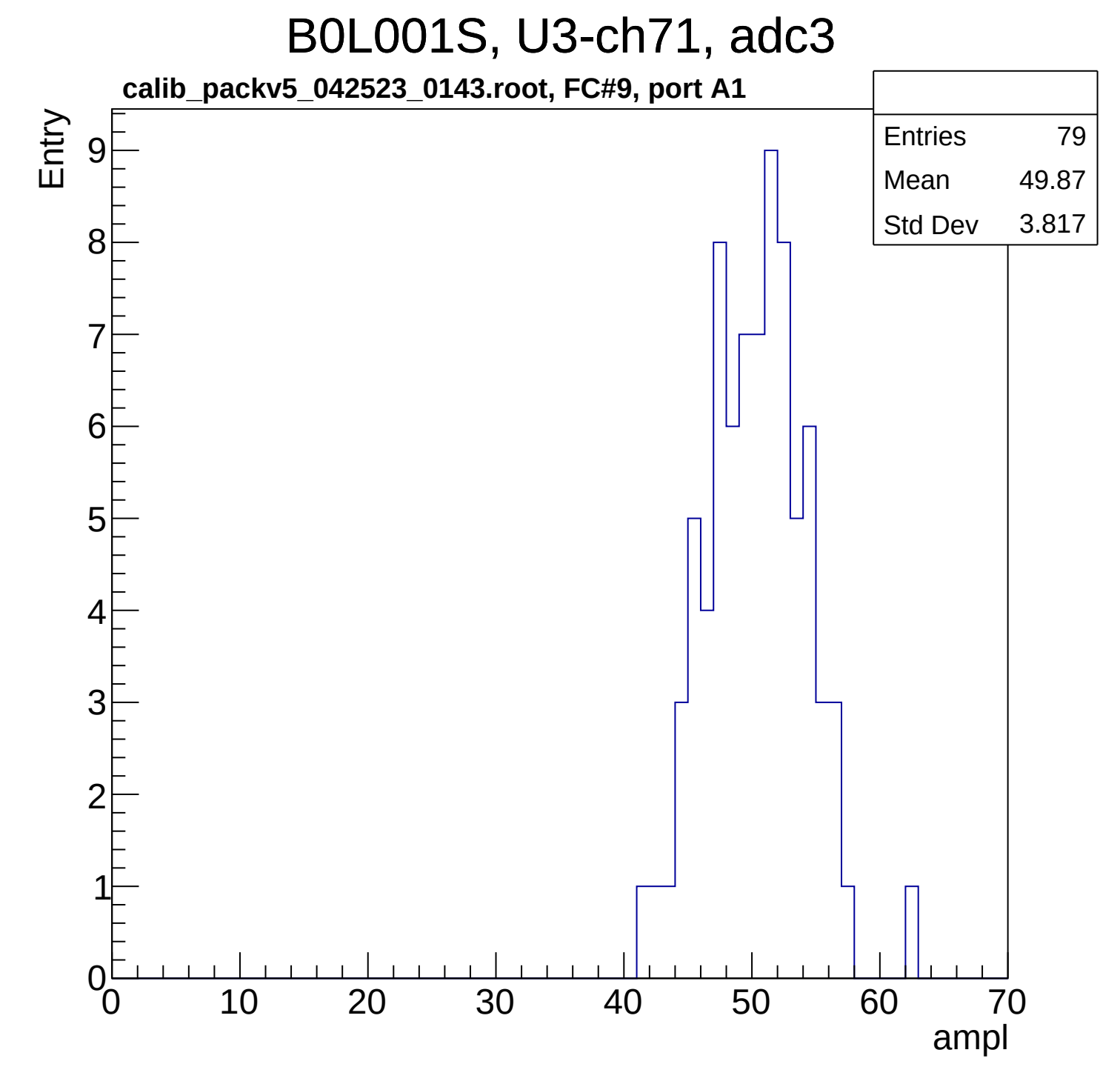

B0L001S, U3-ch70, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 61.4
Std Dev 1.2
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

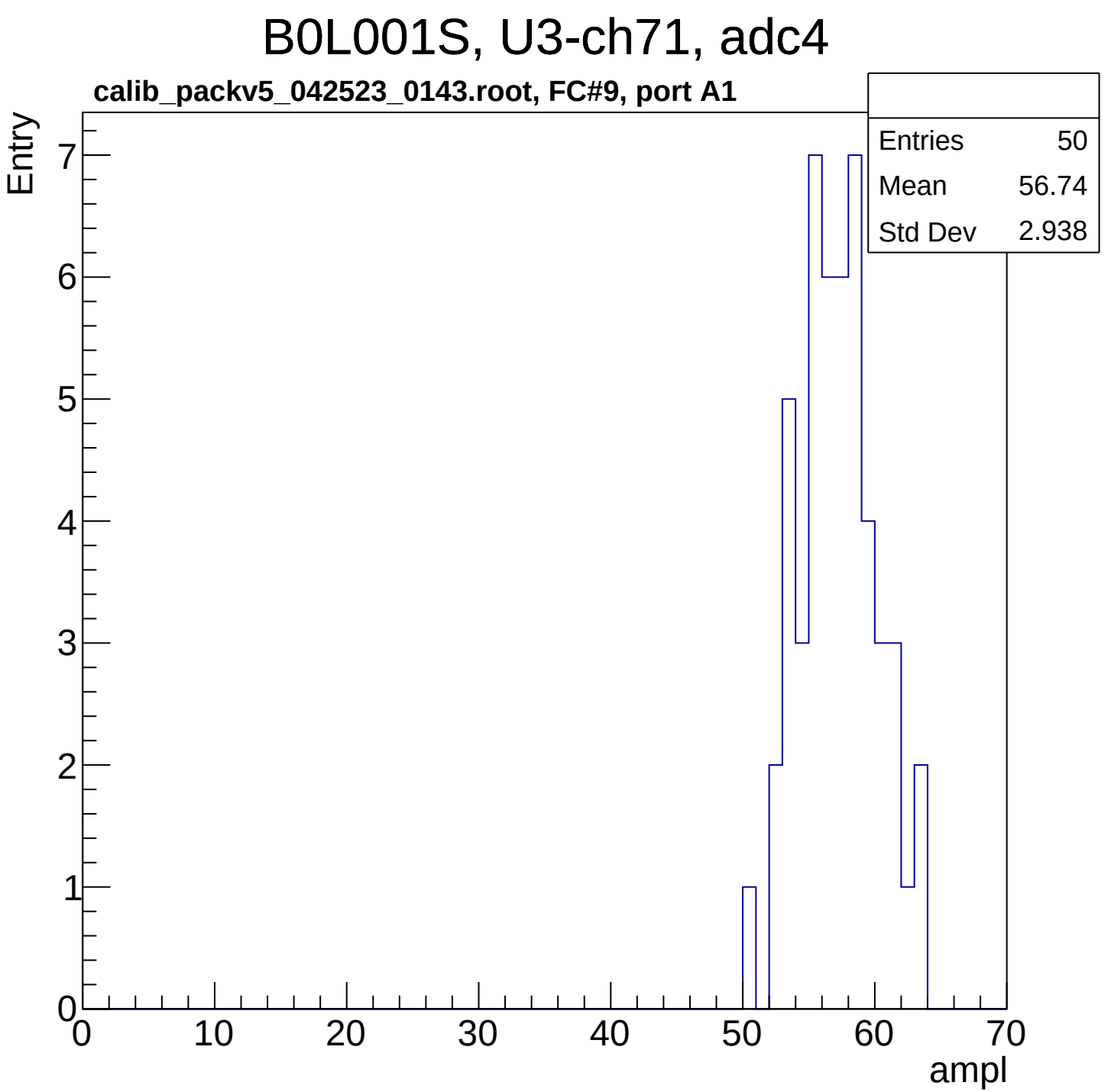

B0L001S, U3-ch70, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

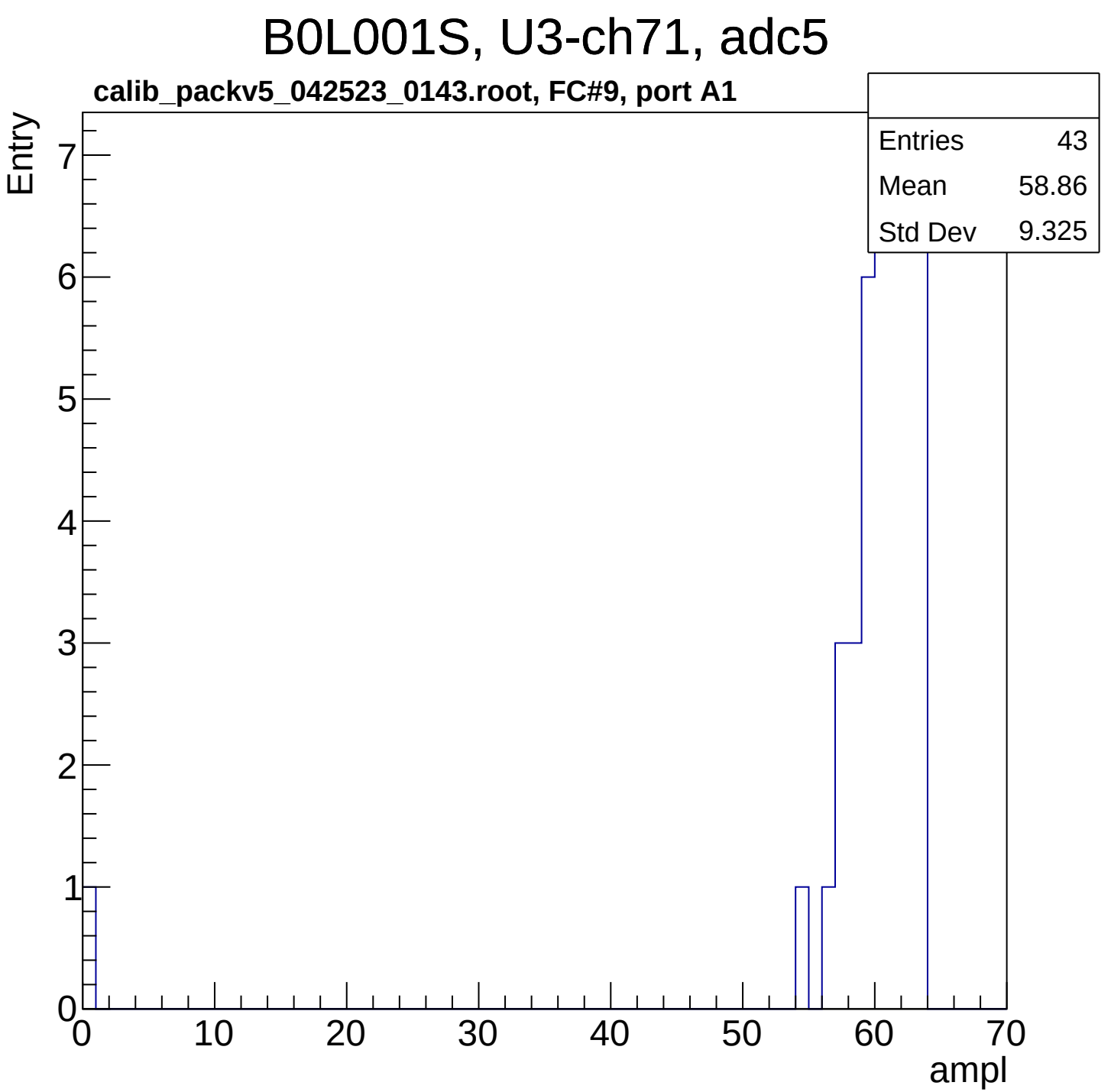

B0L001S, U3-ch71, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 28.29
Std Dev 5.361
Gaus mean : 29.3297
Gaus Width: 3.2953
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch71, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 105
Mean 36.53
Std Dev 4.057
Gaus mean : 36.7929
Gaus Width: 4.2719
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch71, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 44.22
Std Dev 3.438
Gaus mean : 44.3693
Gaus Width: 4.0442
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch71, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 49.87
Std Dev 3.817
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch71, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 56.74
Std Dev 2.938
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch71, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 43
Mean 58.86
Std Dev 9.325
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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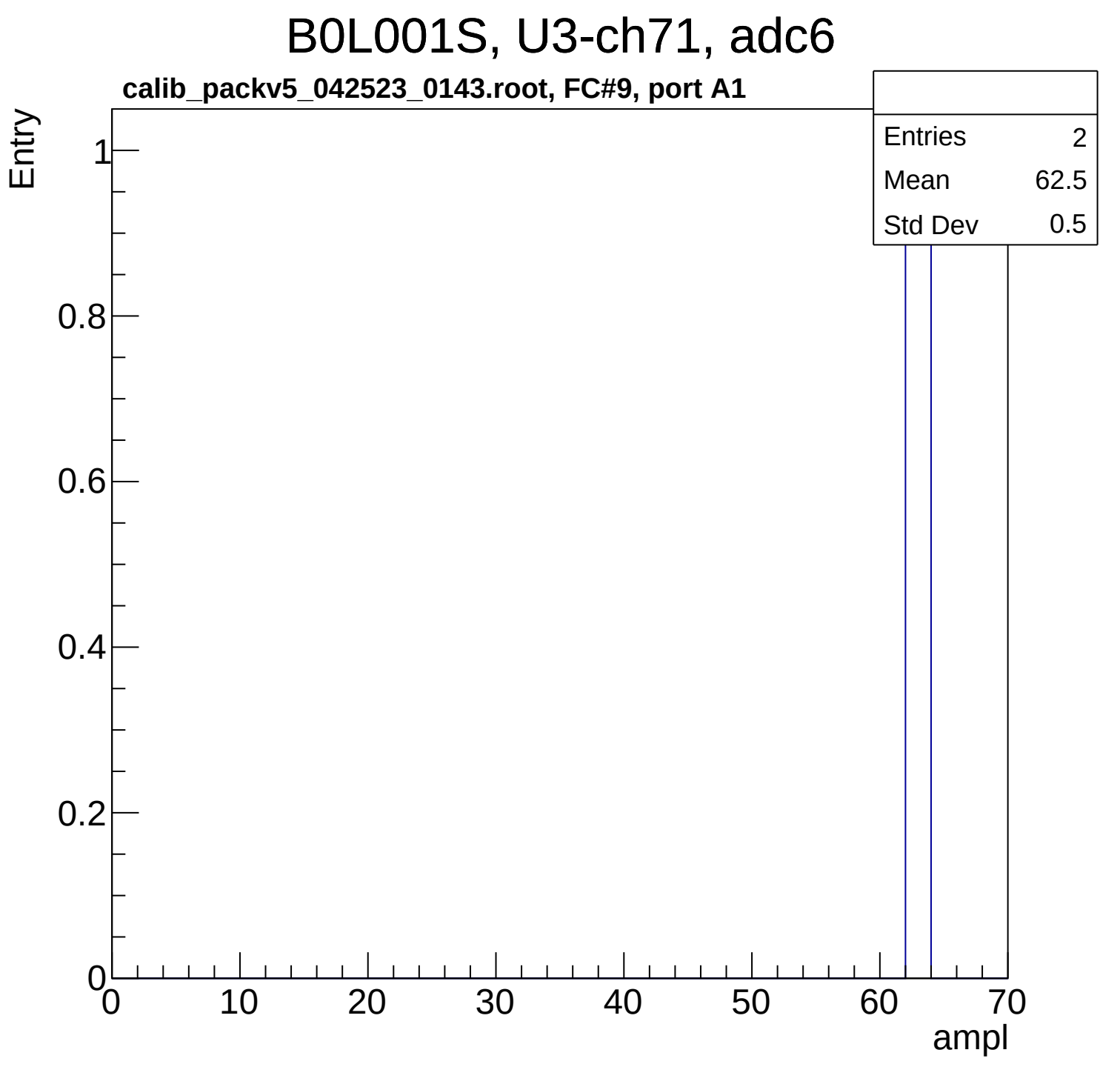
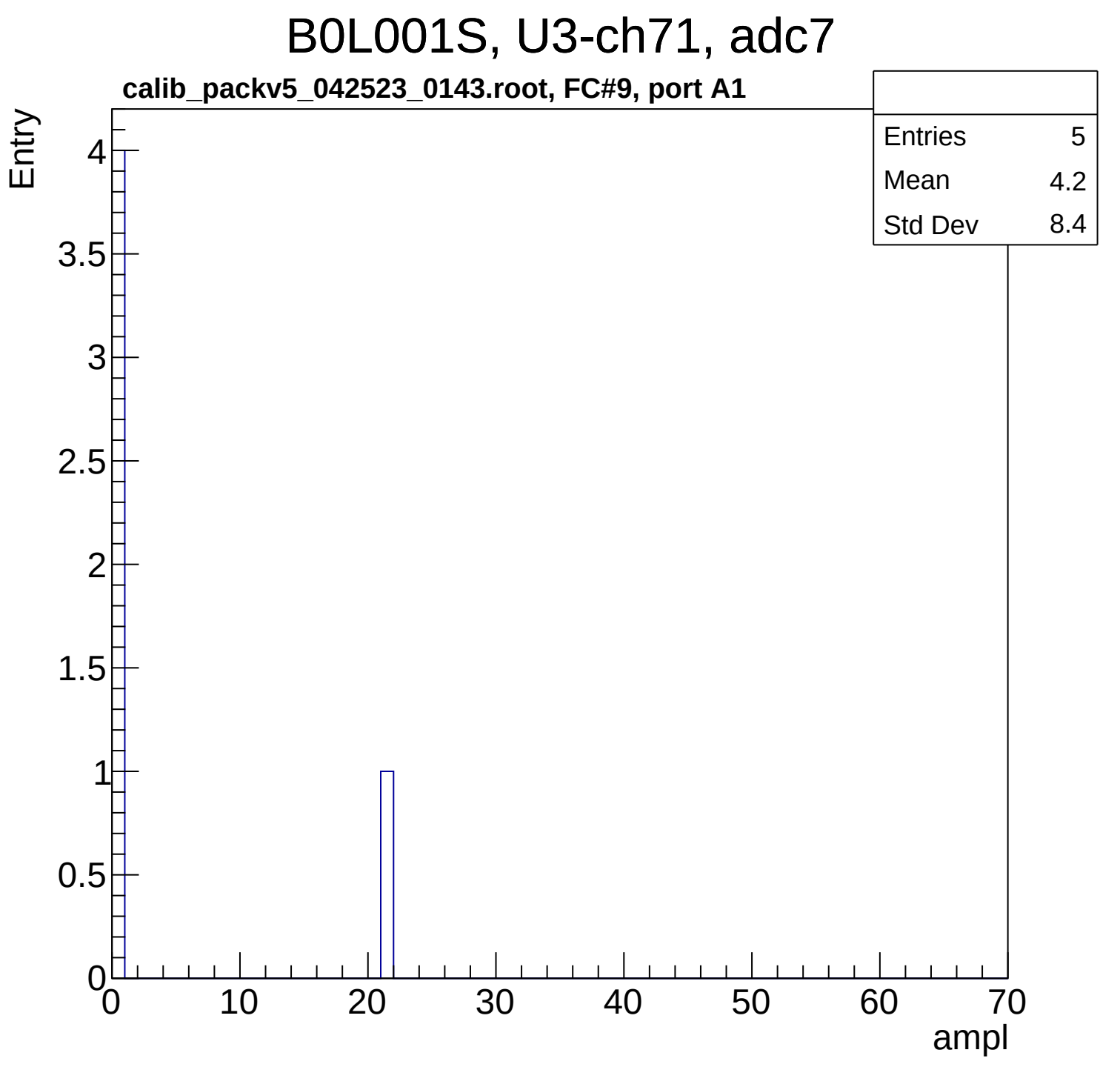
40
50
60
70


B0L001S, U3-ch71, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch71, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 4.2
Std Dev 8.4
Entry
ampl
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1
1.5
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2.5
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3.5
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0
10
20
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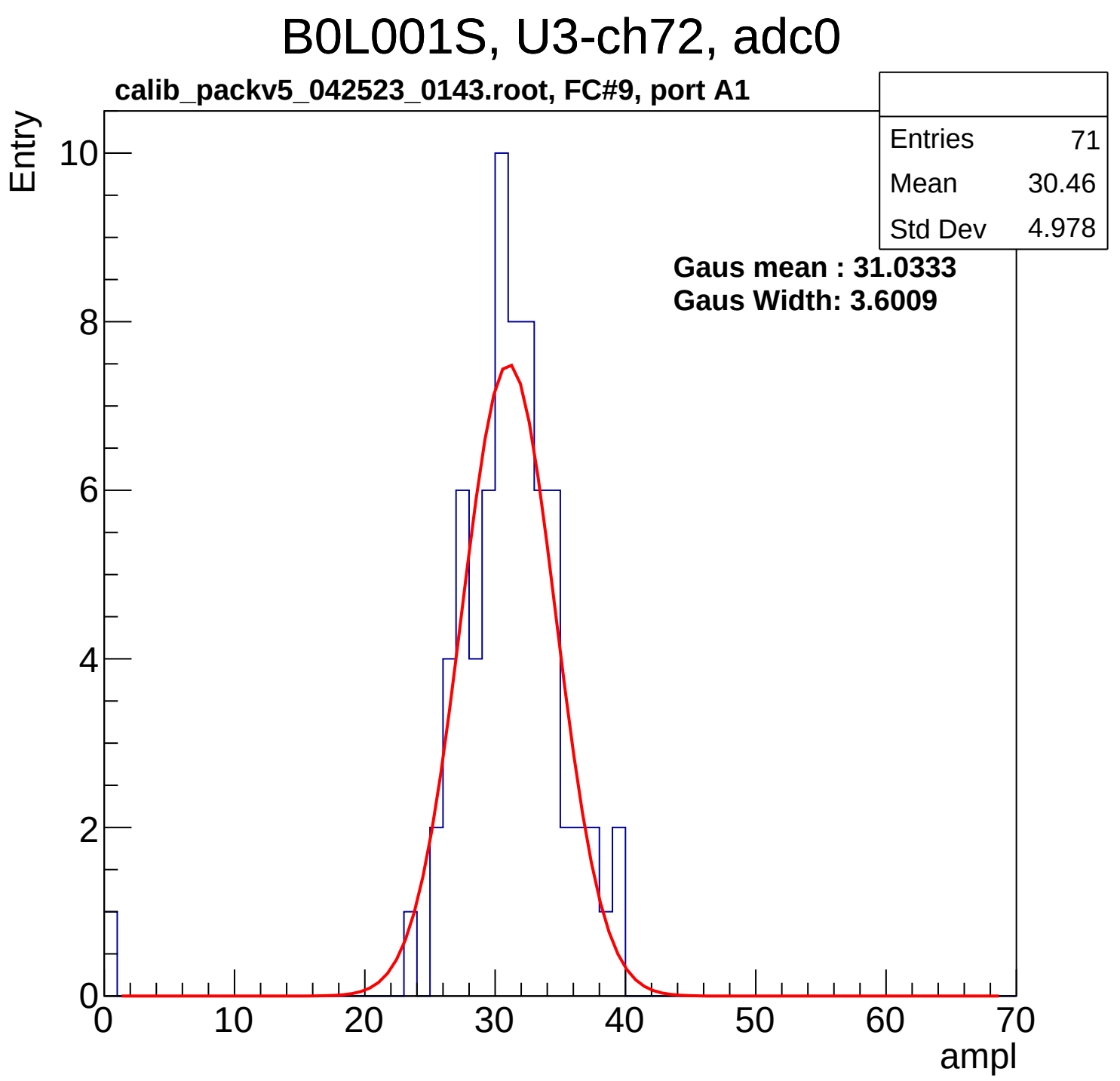
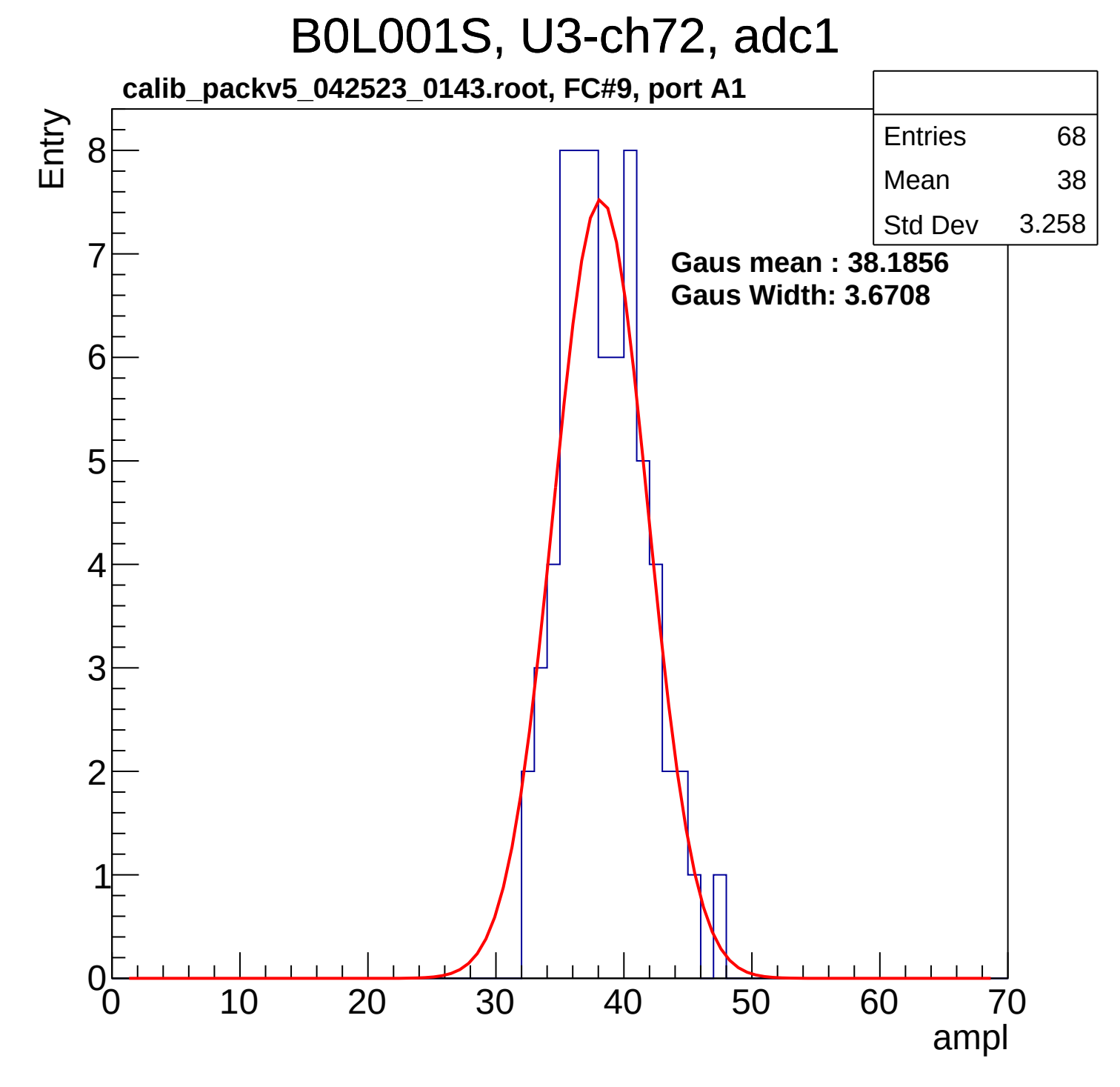
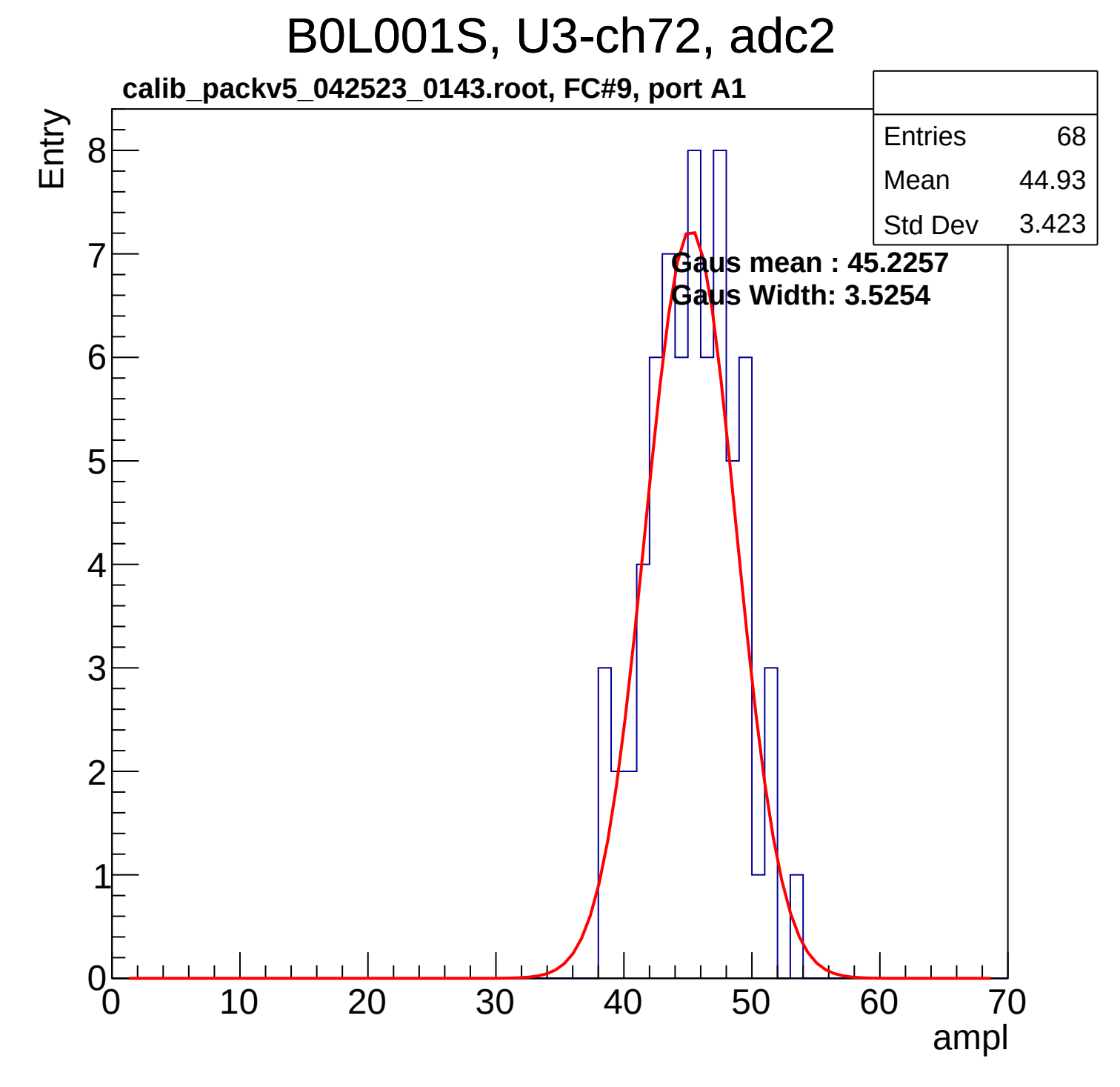
40
50
60
70


B0L001S, U3-ch72, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 30.46
Std Dev 4.978
Gaus mean : 31.0333
Gaus Width: 3.6009
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch72, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 38
Std Dev 3.258
Gaus mean : 38.1856
Gaus Width: 3.6708
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch72, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 44.93
Std Dev 3.423
Gaus mean : 45.2257
Gaus Width: 3.5254
Entry
ampl
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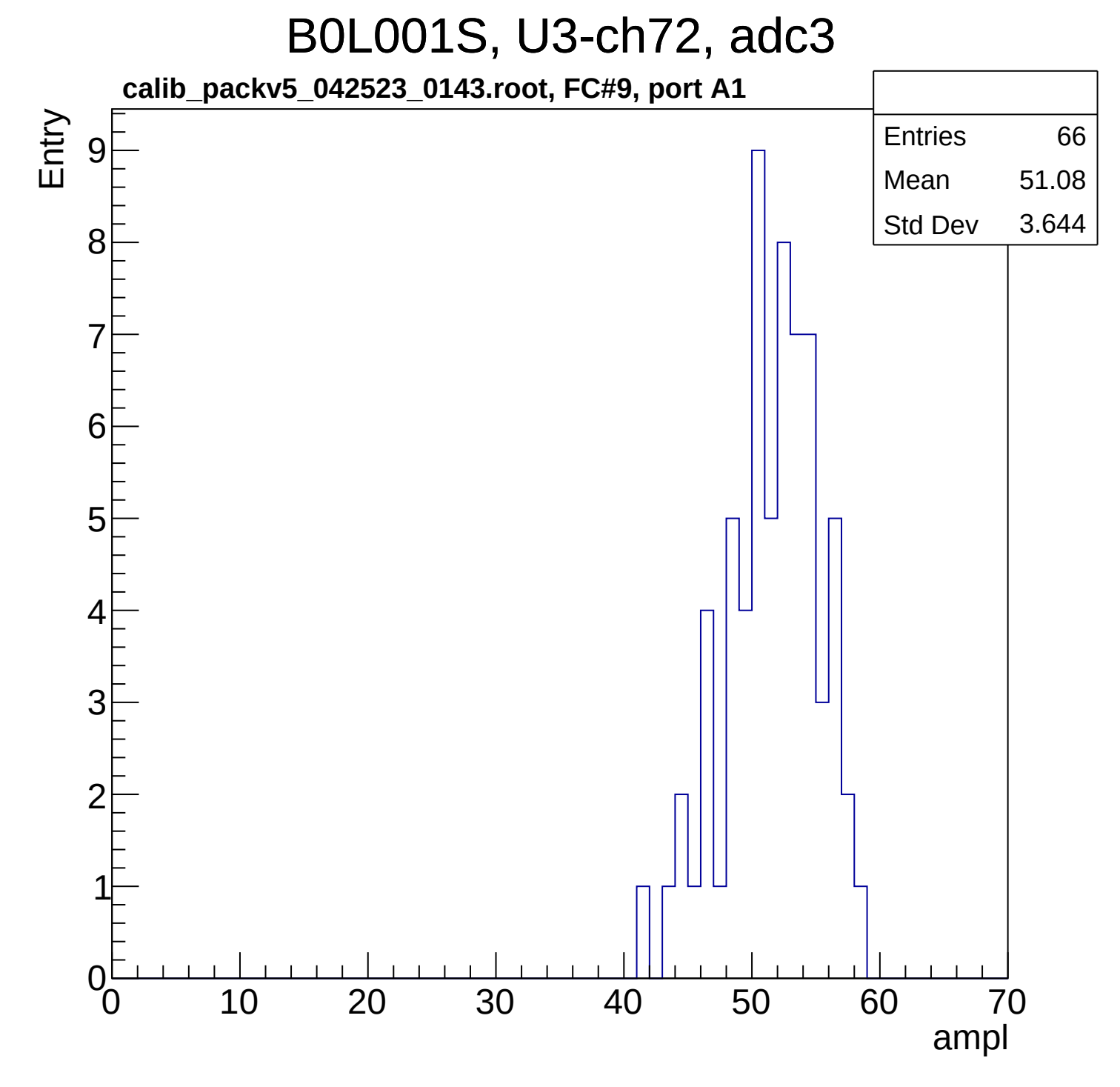
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch72, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 51.08
Std Dev 3.644
Entry
ampl
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2
3
4
5
6
7
8
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0
10
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60
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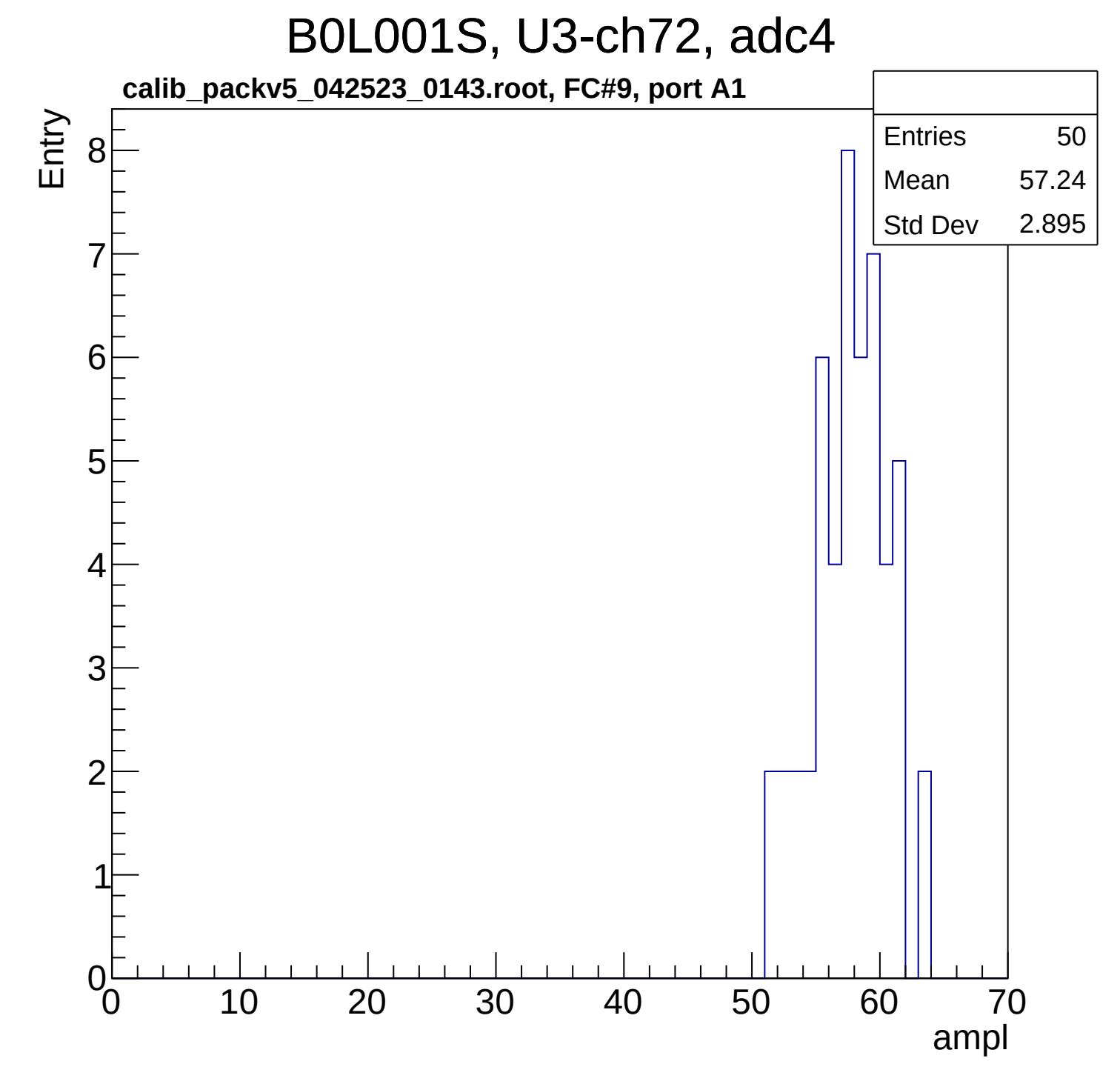
B0L001S, U3-ch72, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 57.24
Std Dev 2.895
Entry
ampl
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1
2
3
4
5
6
7
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0
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60
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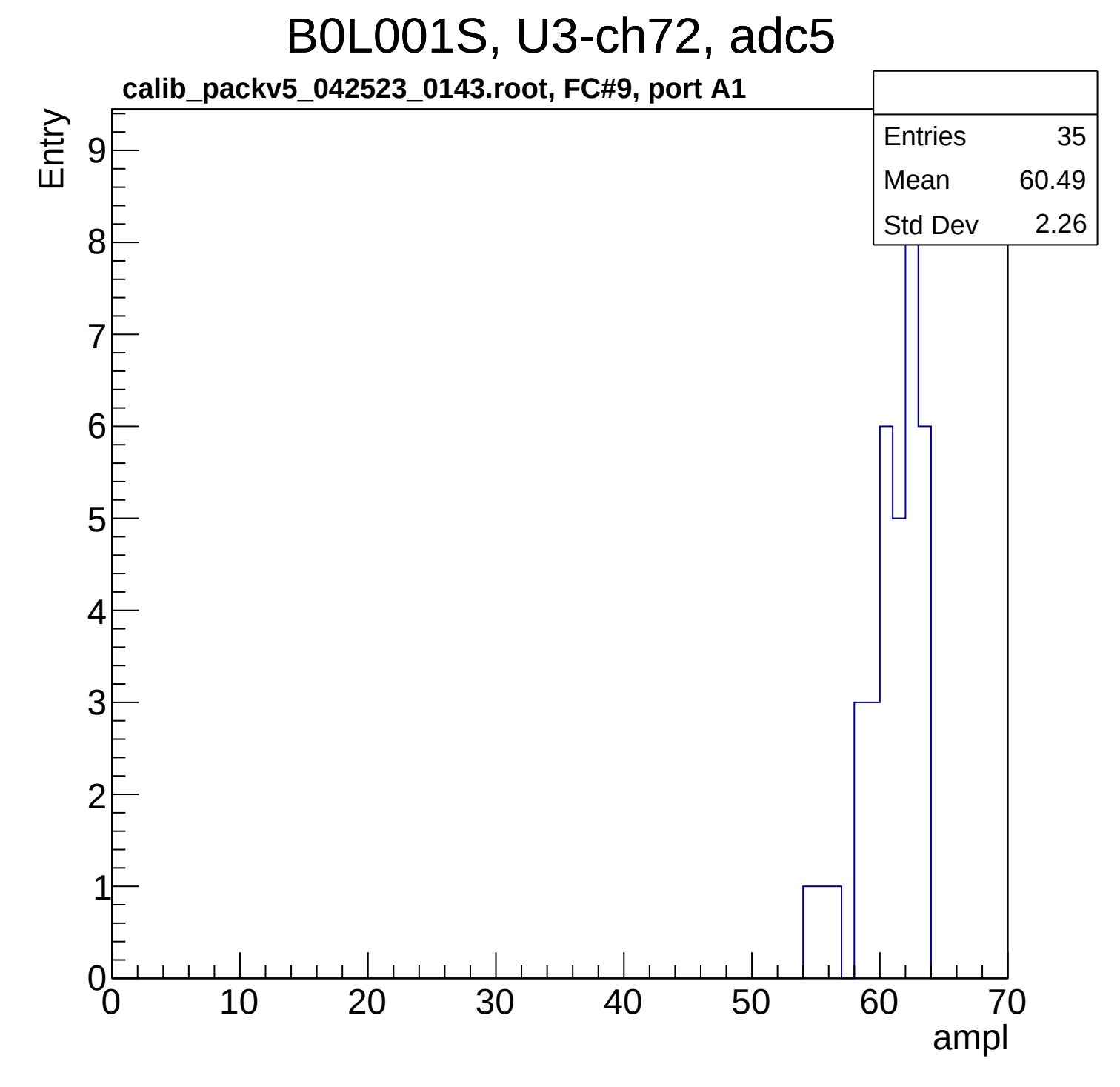
B0L001S, U3-ch72, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 35
Mean 60.49
Std Dev 2.26
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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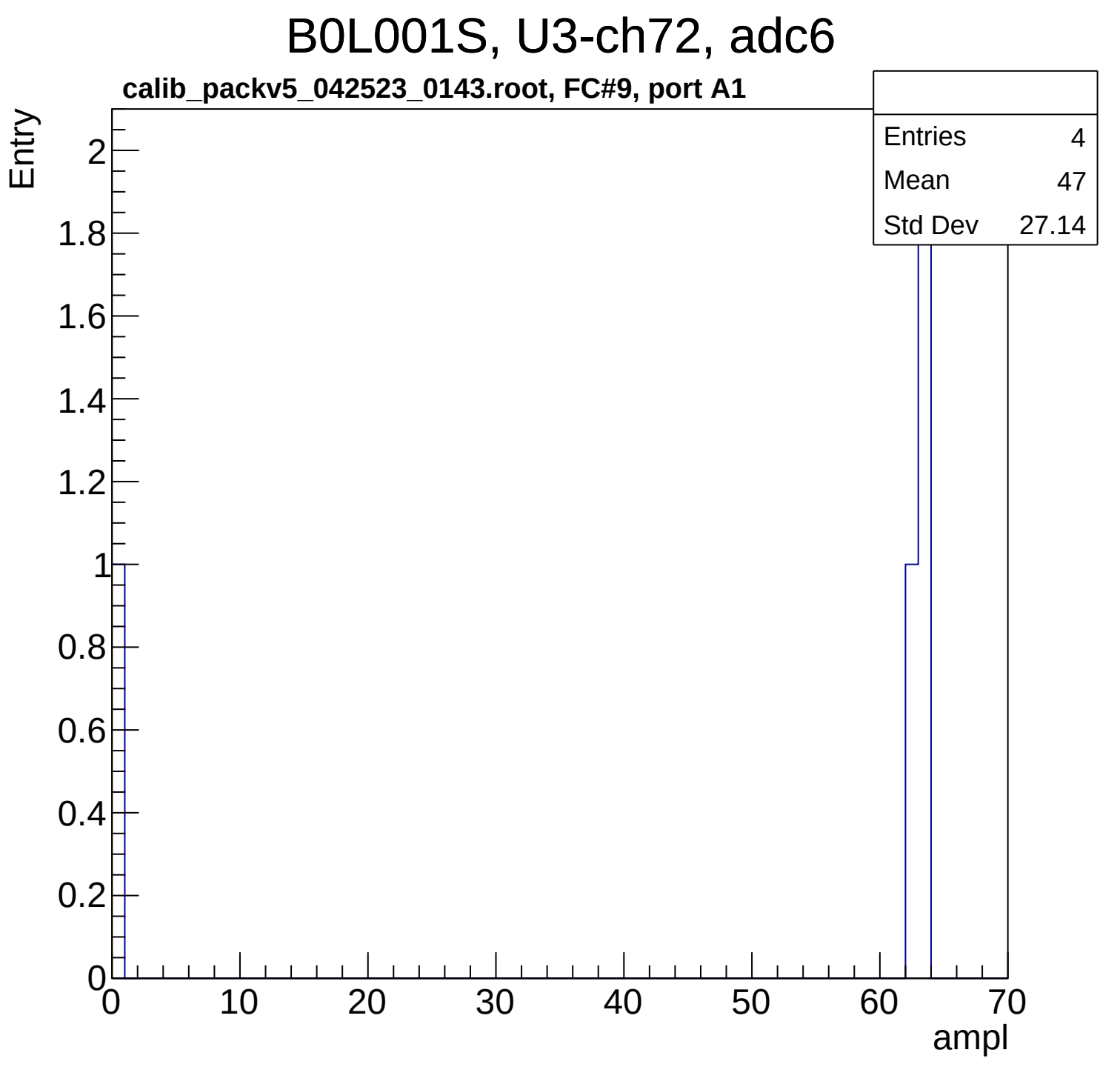
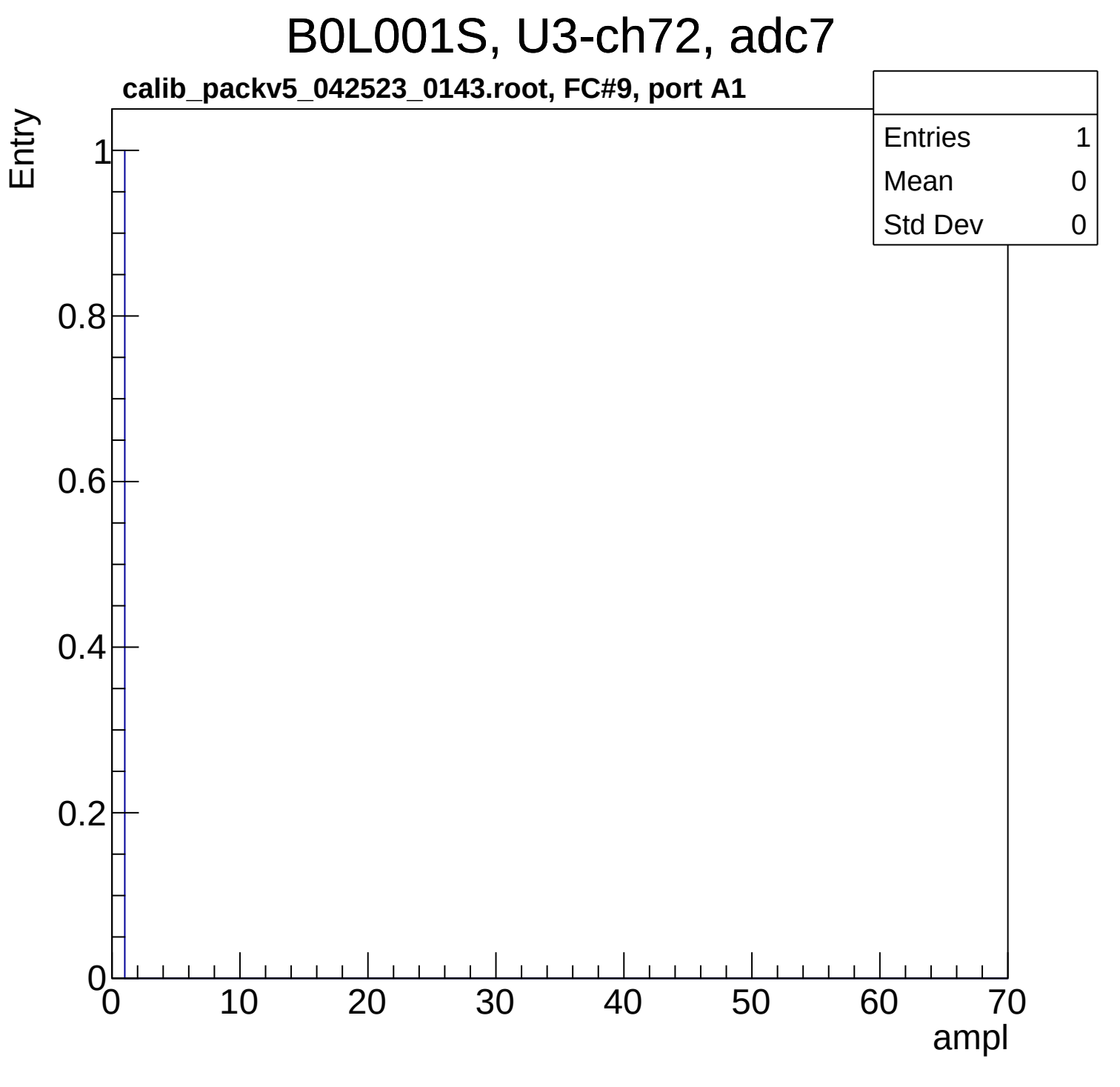

B0L001S, U3-ch72, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 47
Std Dev 27.14
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch72, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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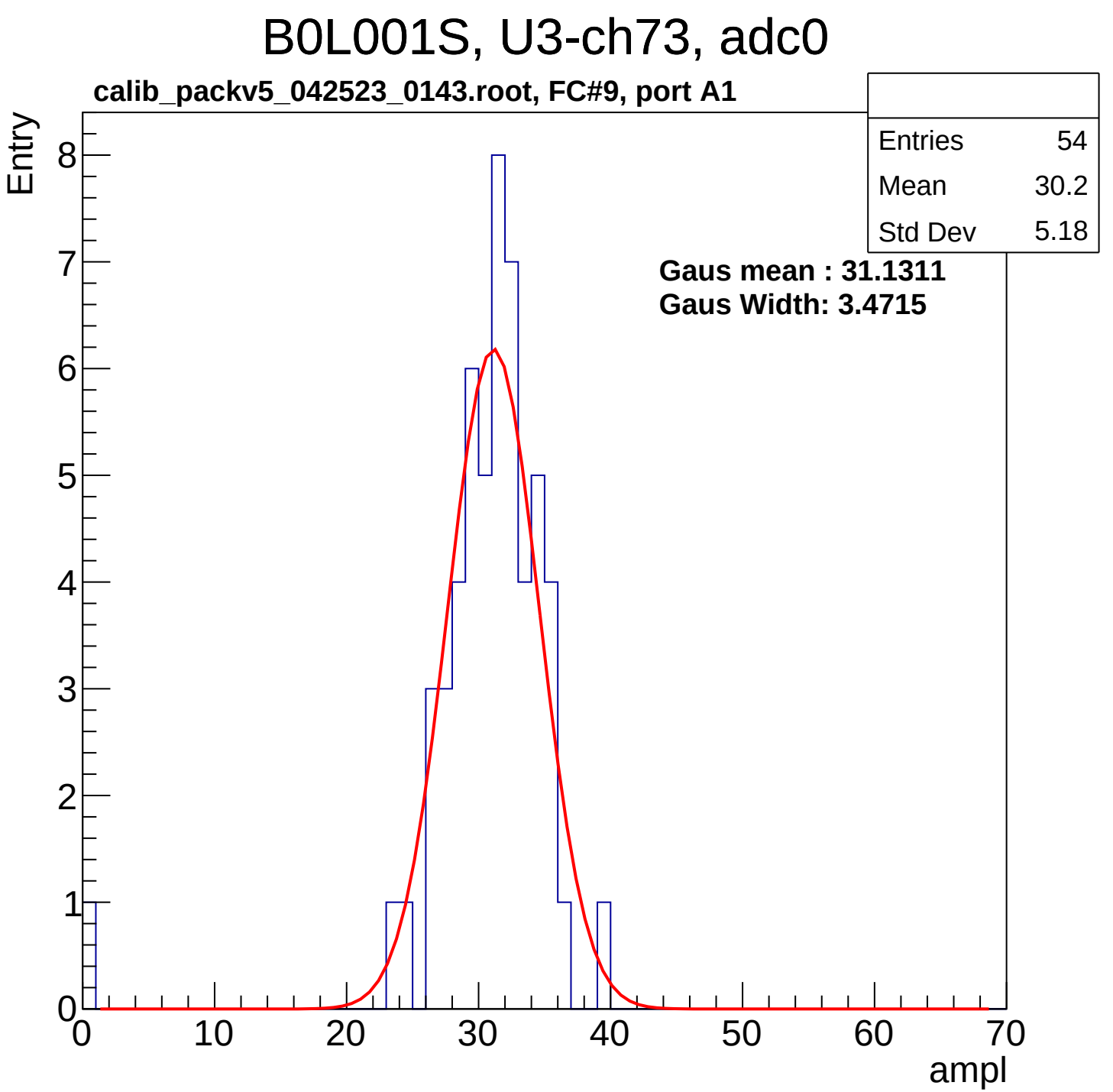
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch73, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 30.2
Std Dev 5.18
Gaus mean : 31.1311
Gaus Width: 3.4715
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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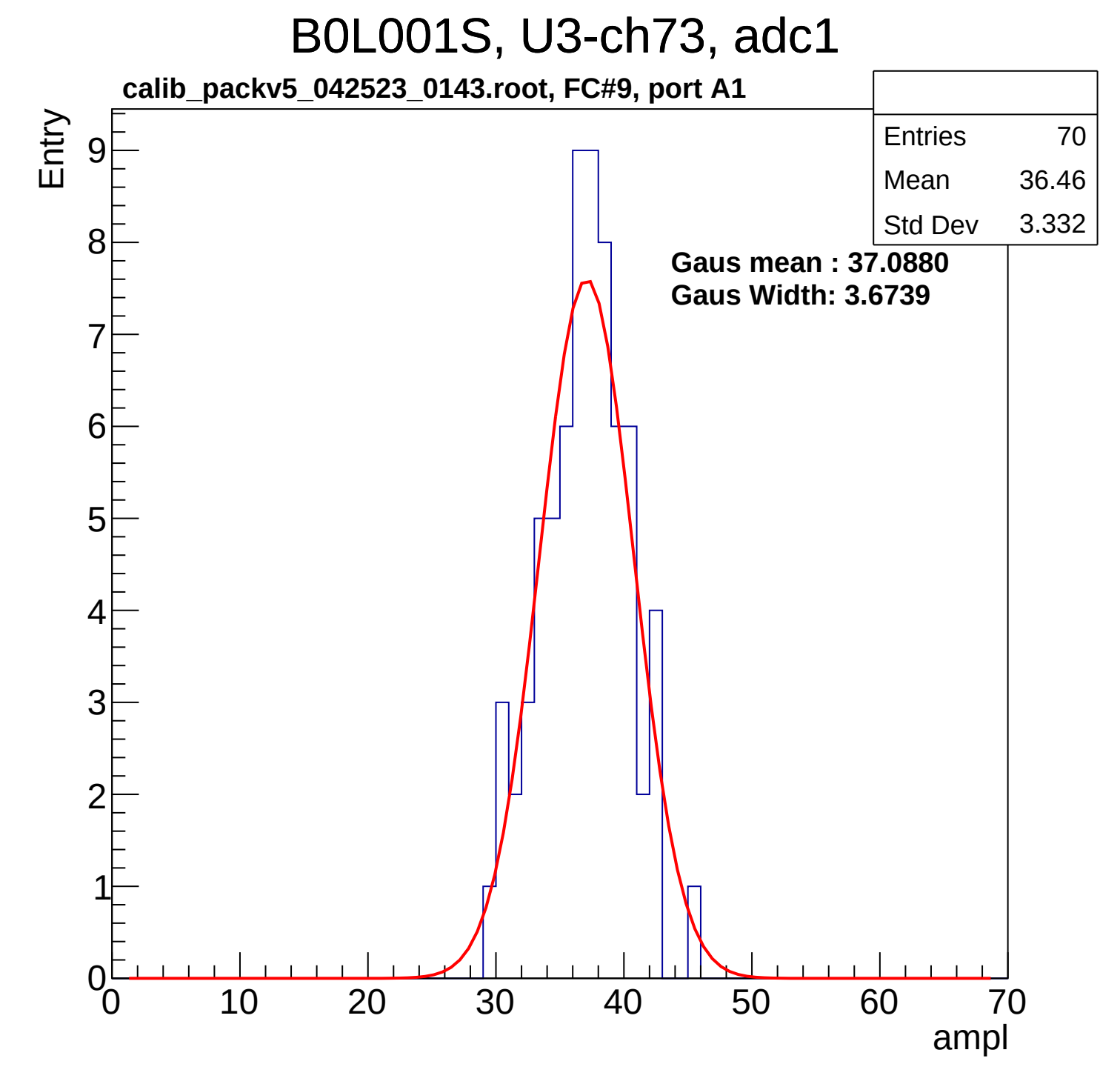
B0L001S, U3-ch73, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 36.46
Std Dev 3.332
Gaus mean : 37.0880
Gaus Width: 3.6739
Entry
ampl
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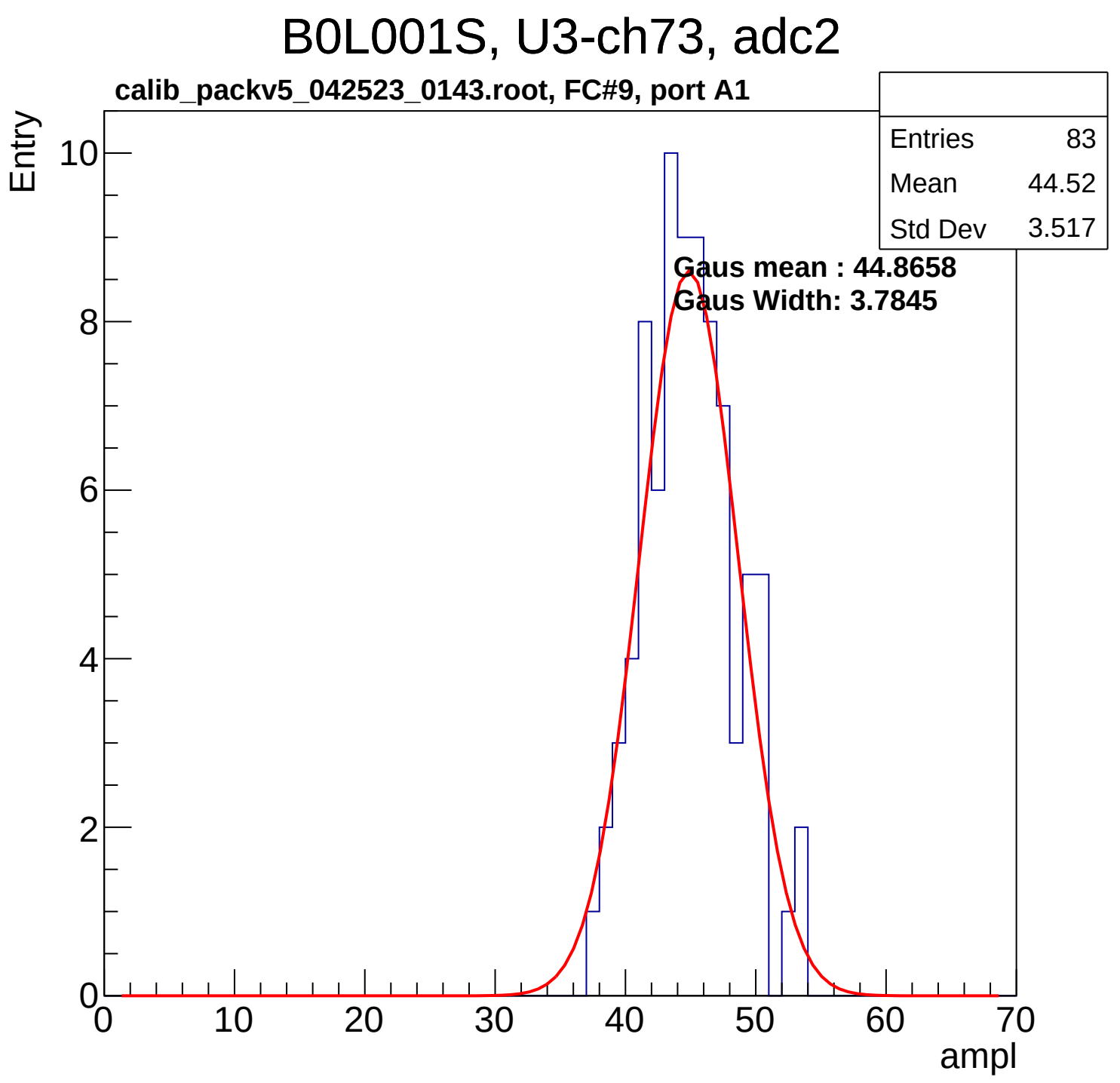
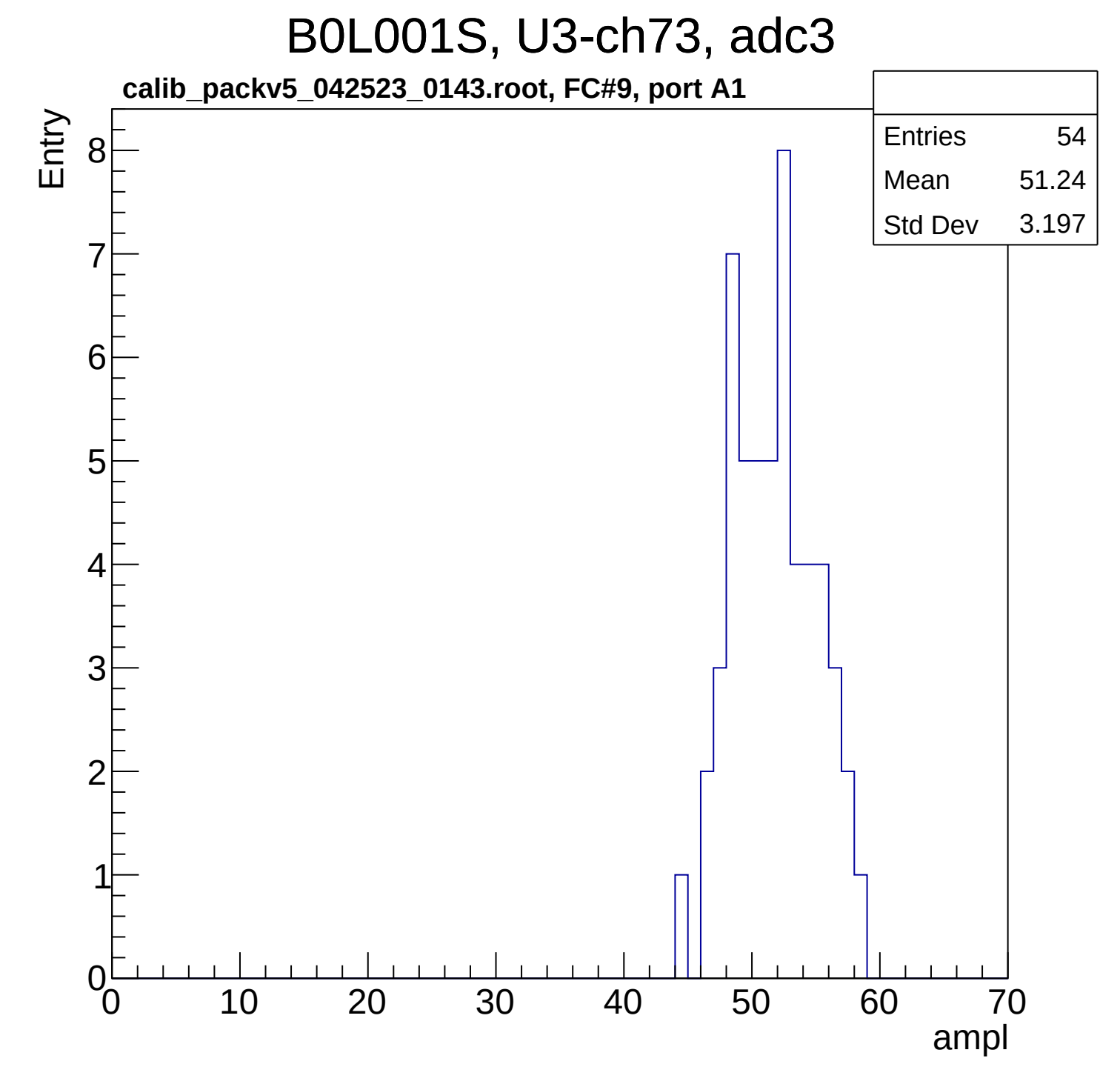
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch73, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 44.52
Std Dev 3.517
Gaus mean : 44.8658
Gaus Width: 3.7845
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch73, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 51.24
Std Dev 3.197
Entry
ampl
0
1
2
3
4
5
6
7
8
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60
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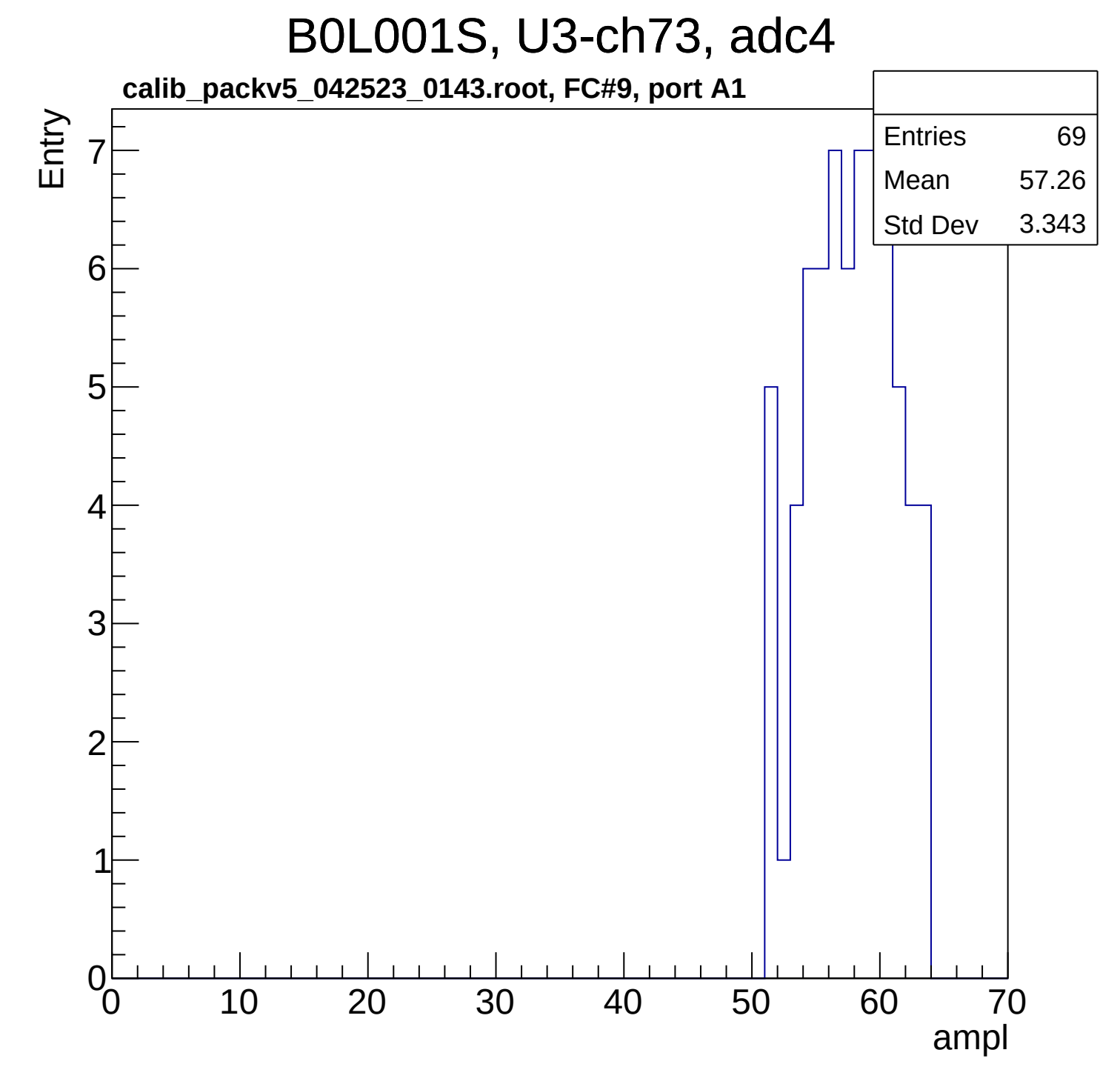
B0L001S, U3-ch73, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 57.26
Std Dev 3.343
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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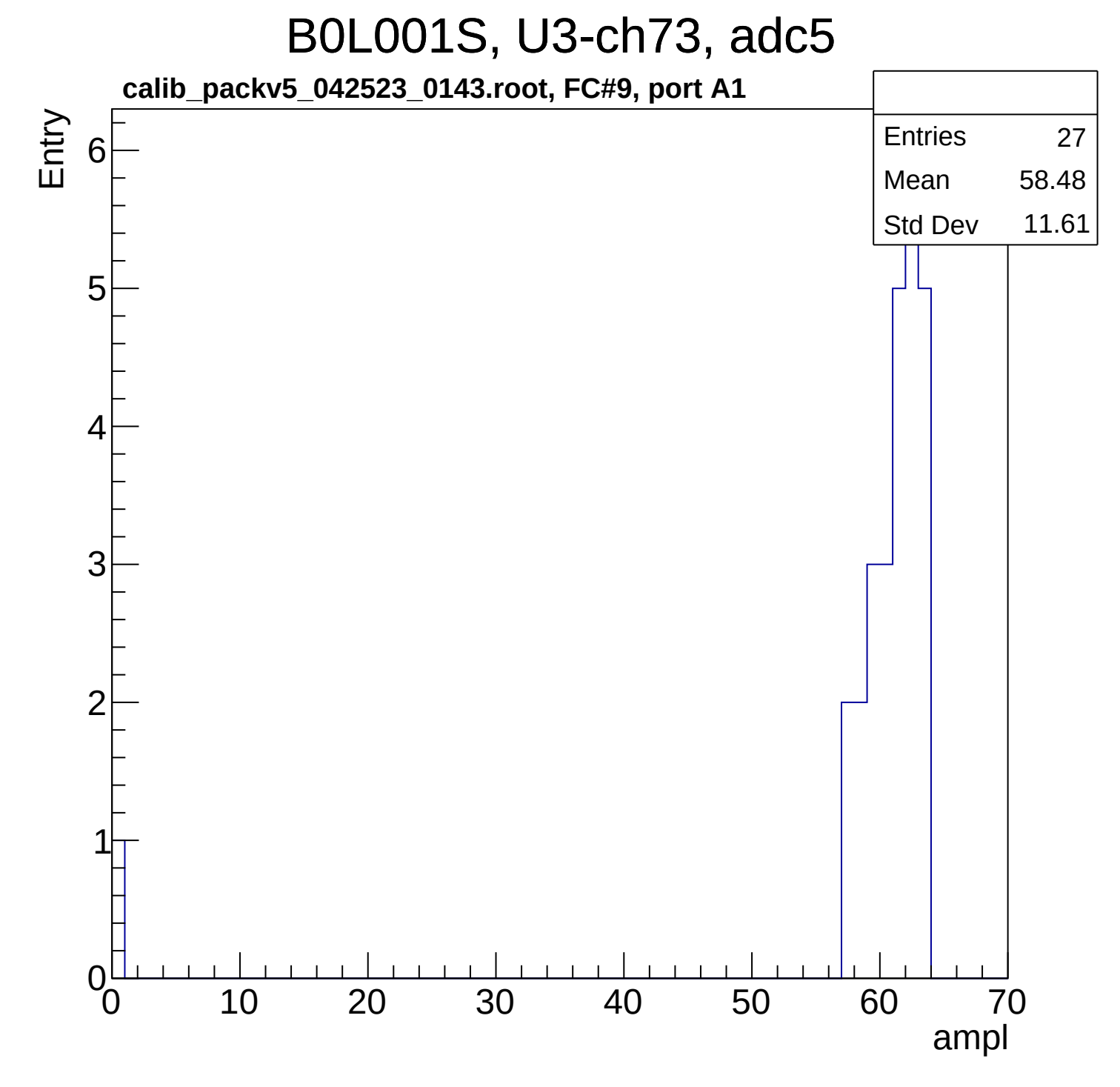
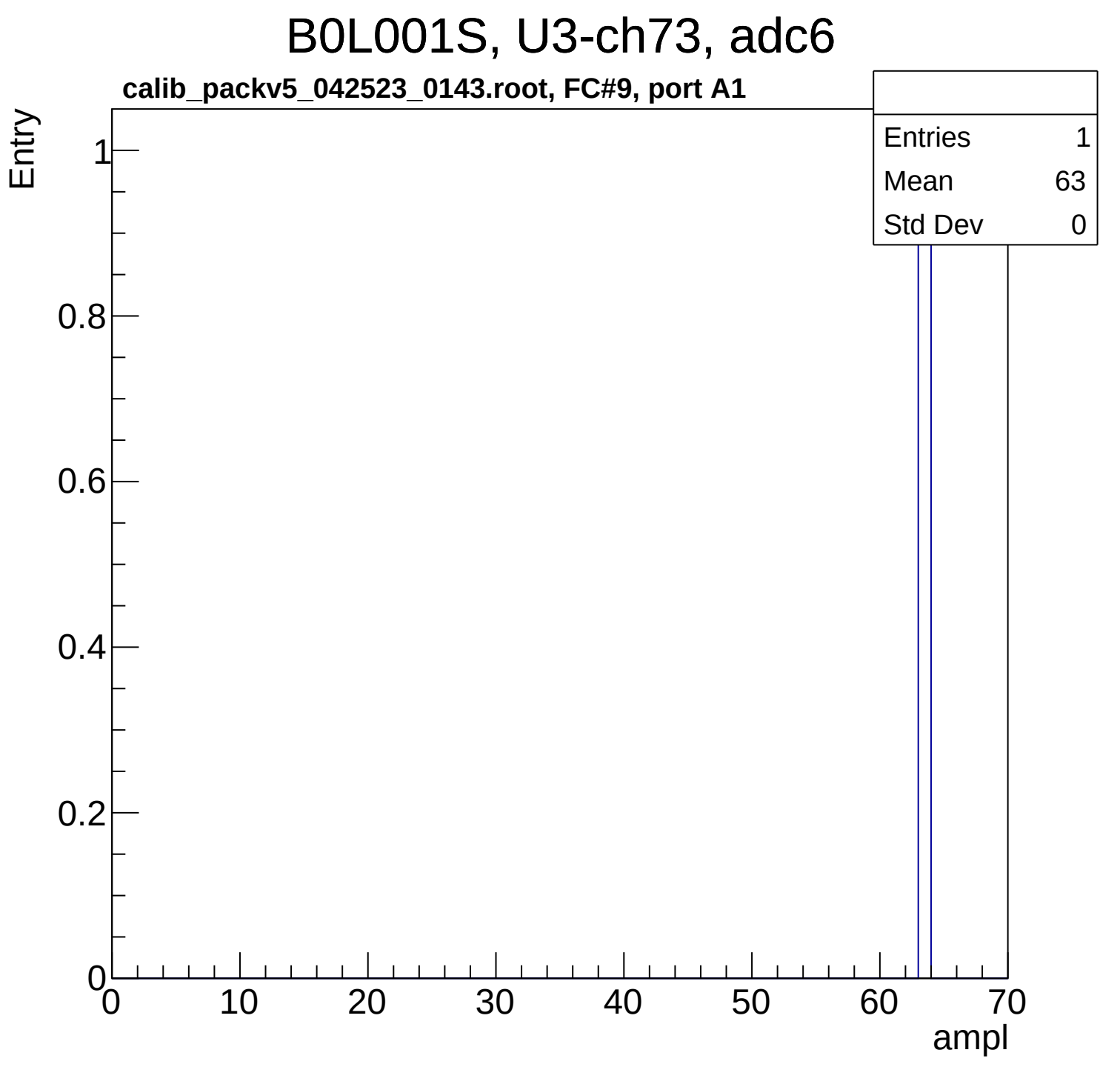
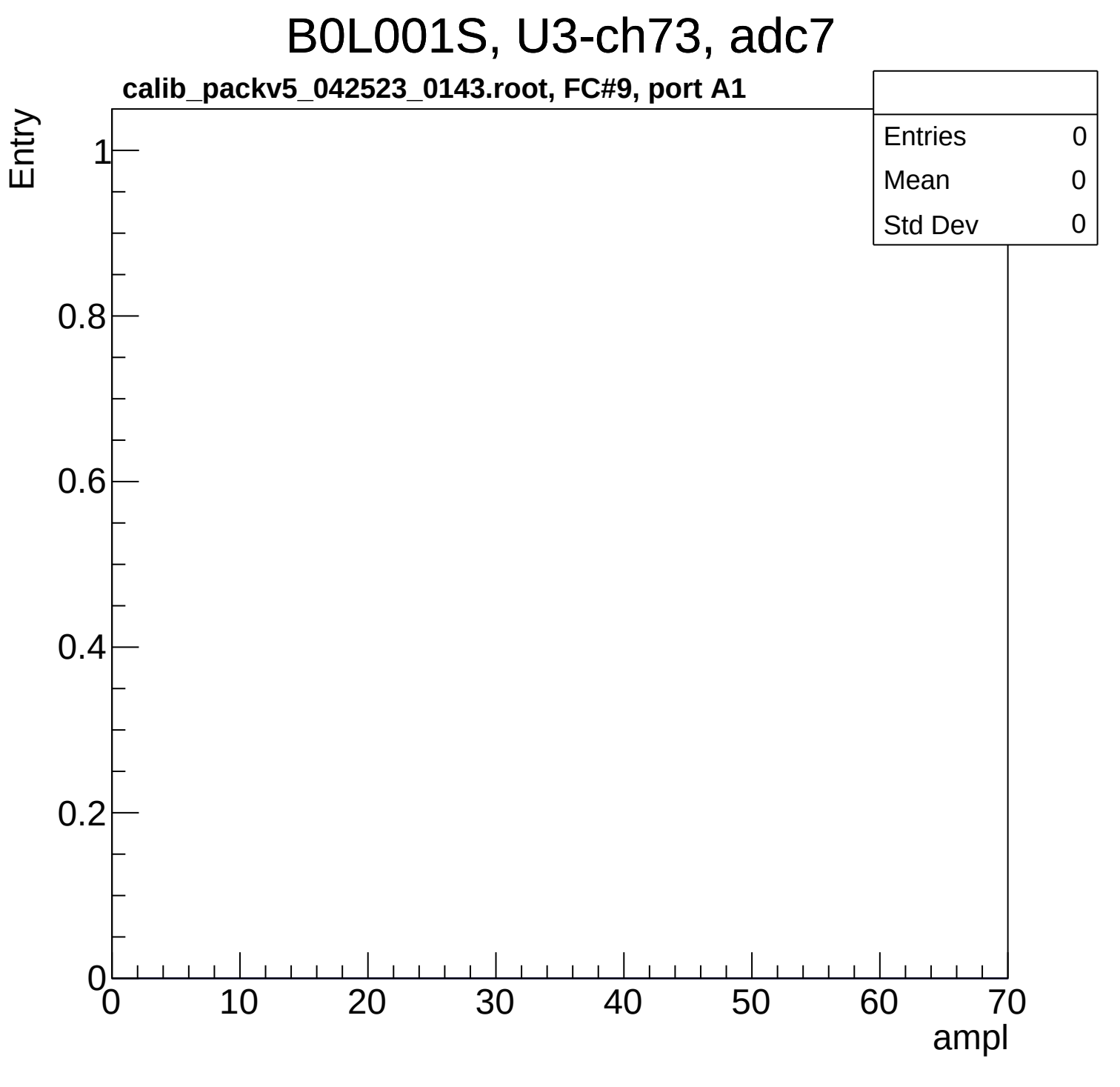
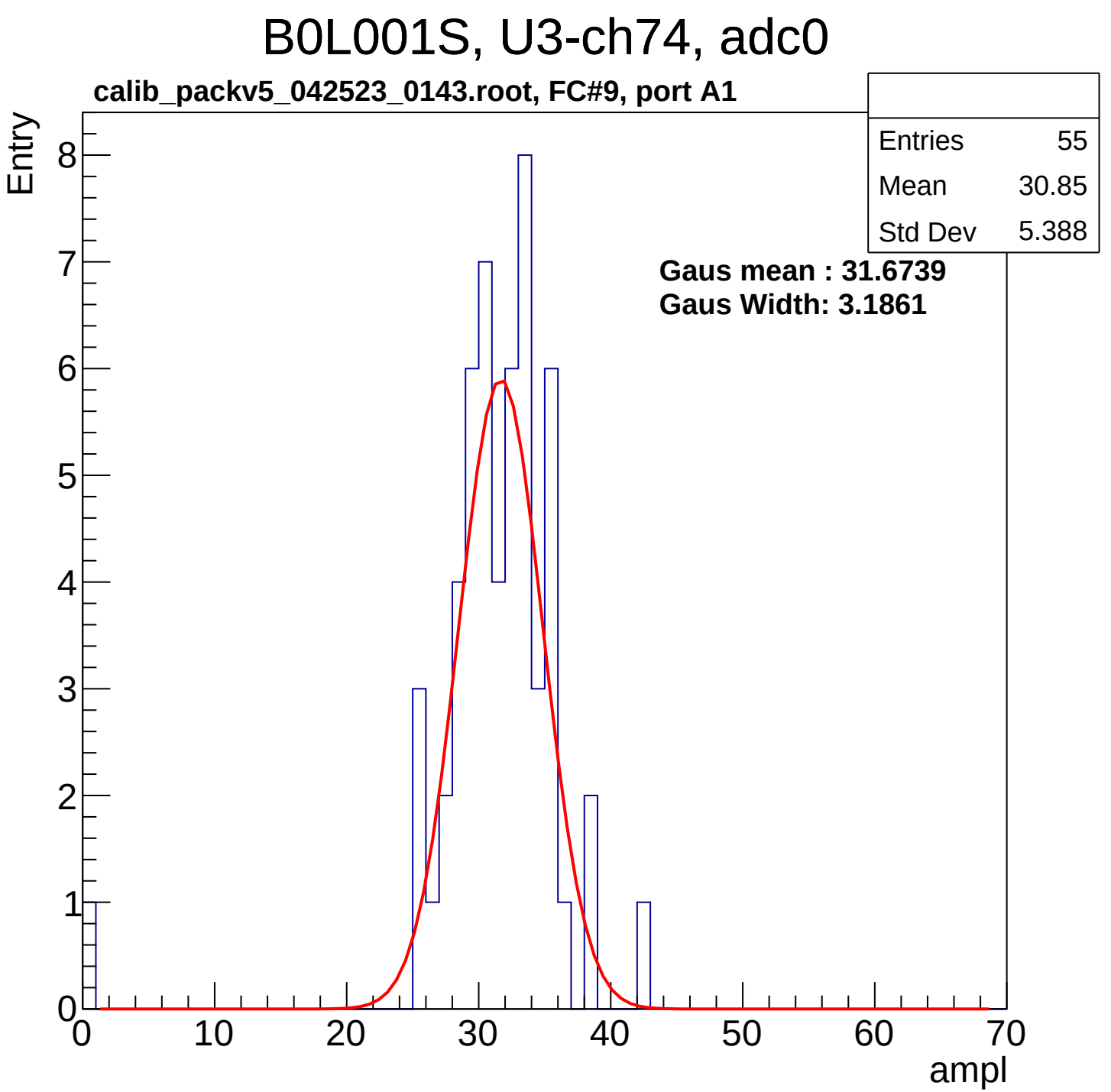
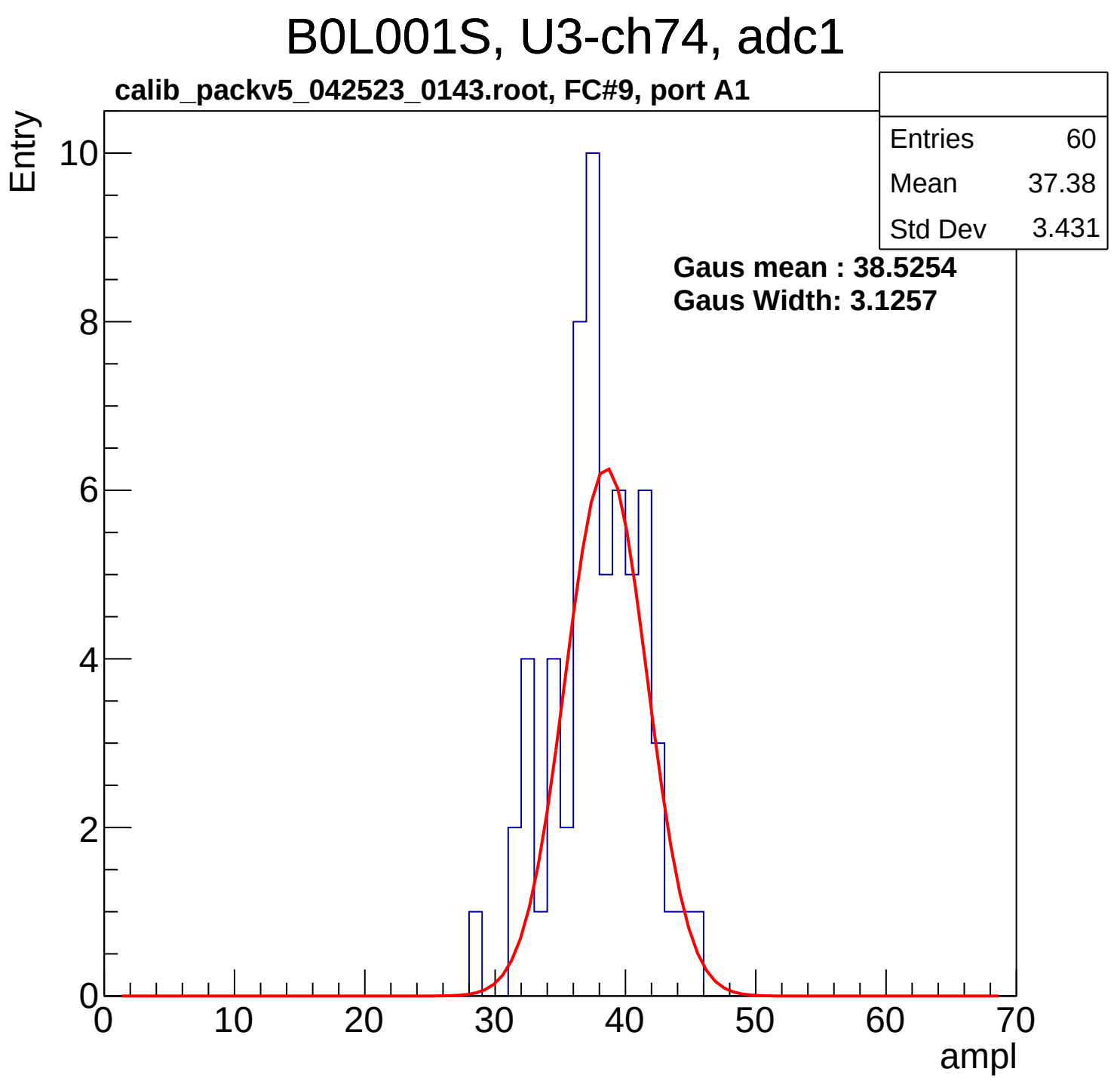
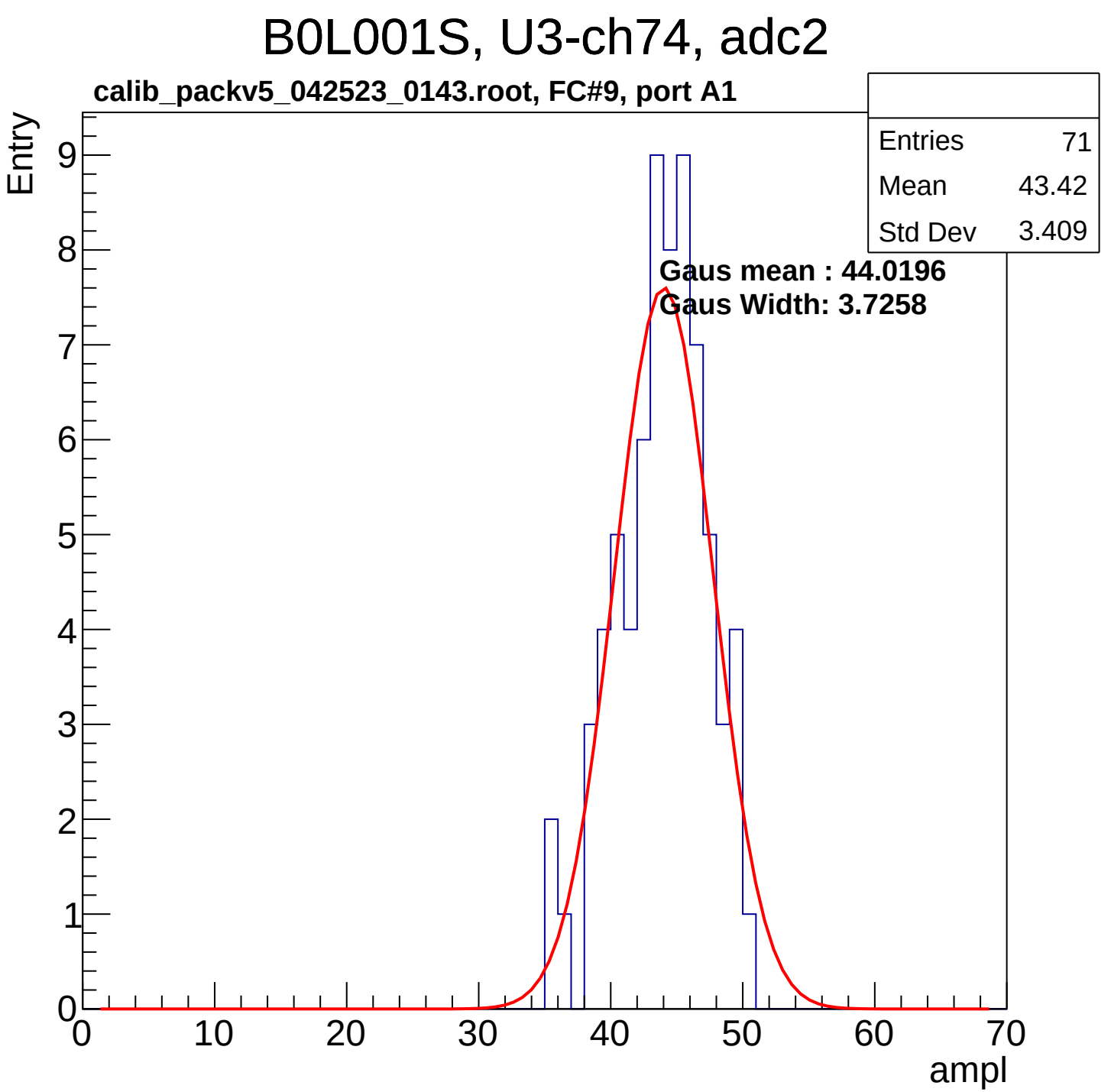

B0L001S, U3-ch73, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 27
Mean 58.48
Std Dev 11.61
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch73, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch73, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch74, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 30.85
Std Dev 5.388
Gaus mean : 31.6739
Gaus Width: 3.1861
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch74, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 37.38
Std Dev 3.431
Gaus mean : 38.5254
Gaus Width: 3.1257
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch74, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 43.42
Std Dev 3.409
Gaus mean : 44.0196
Gaus Width: 3.7258
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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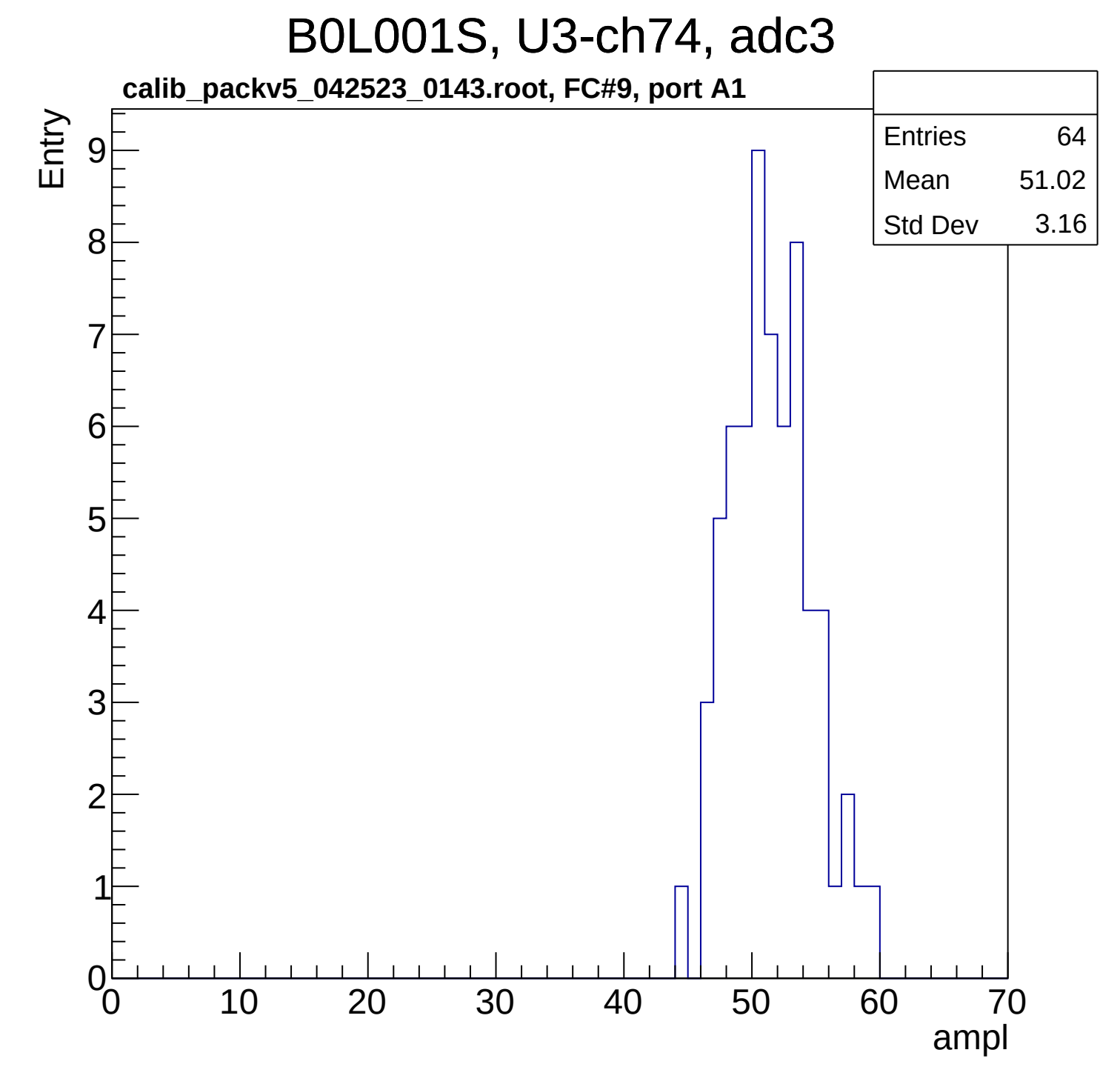
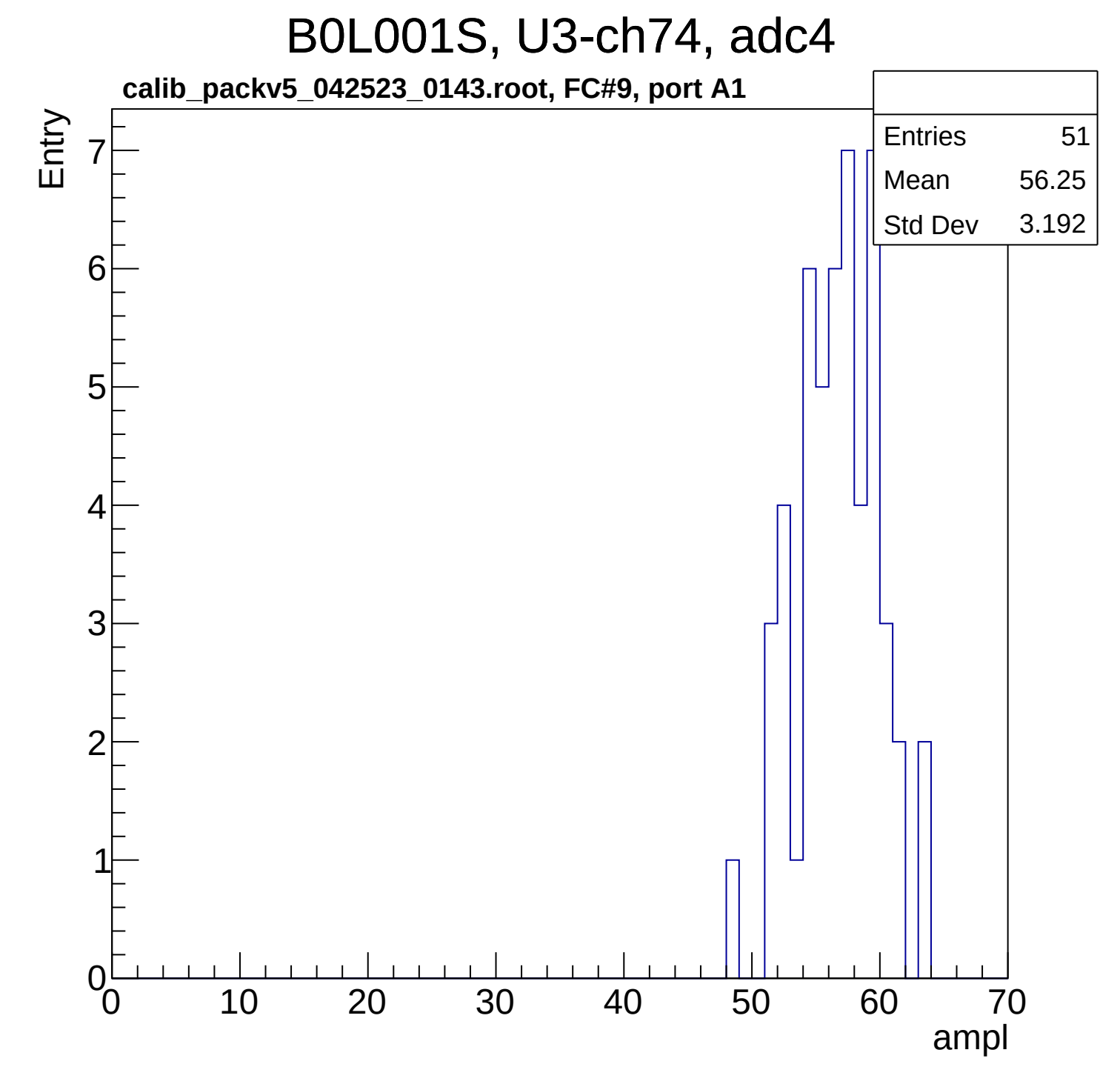
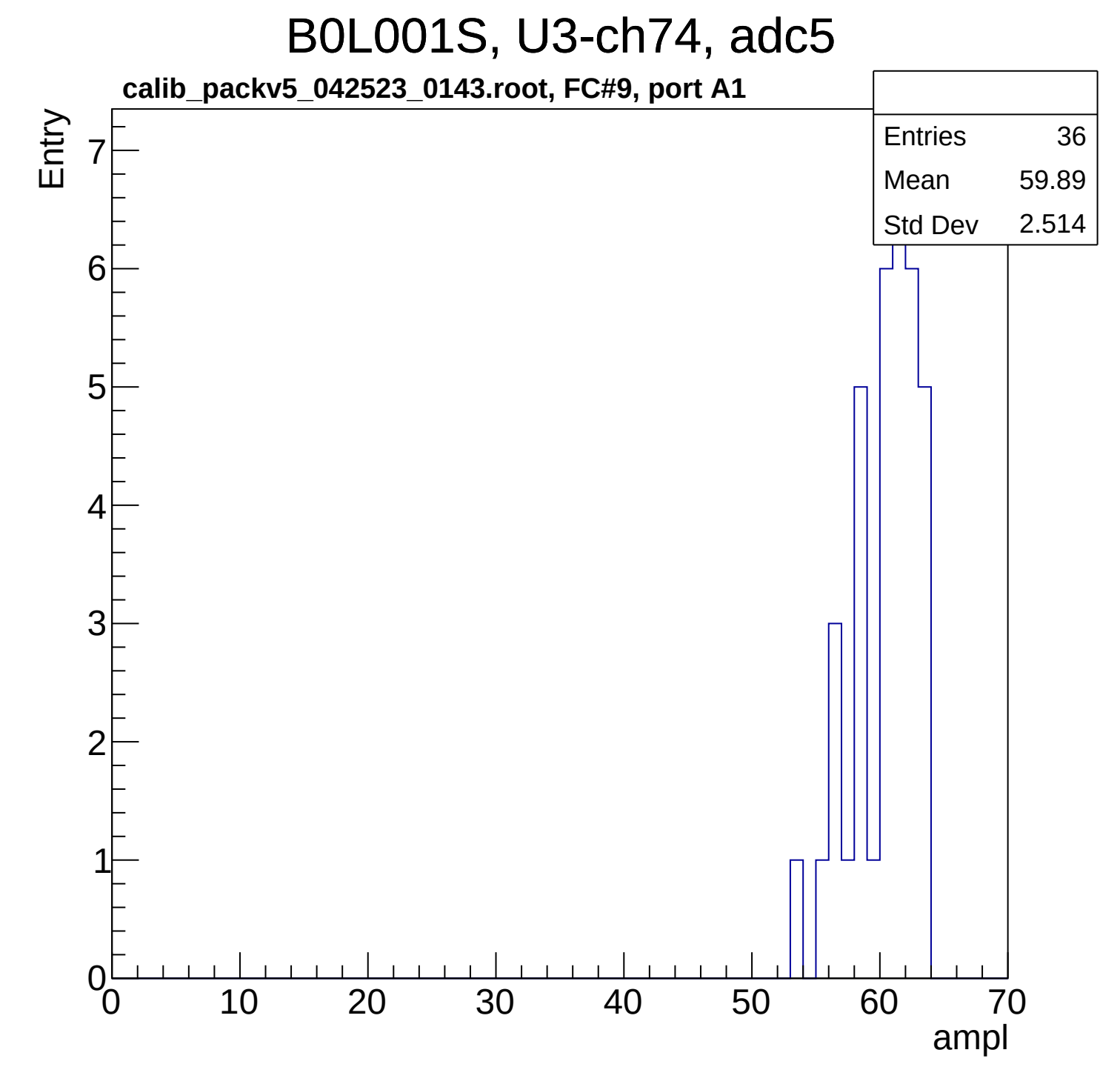
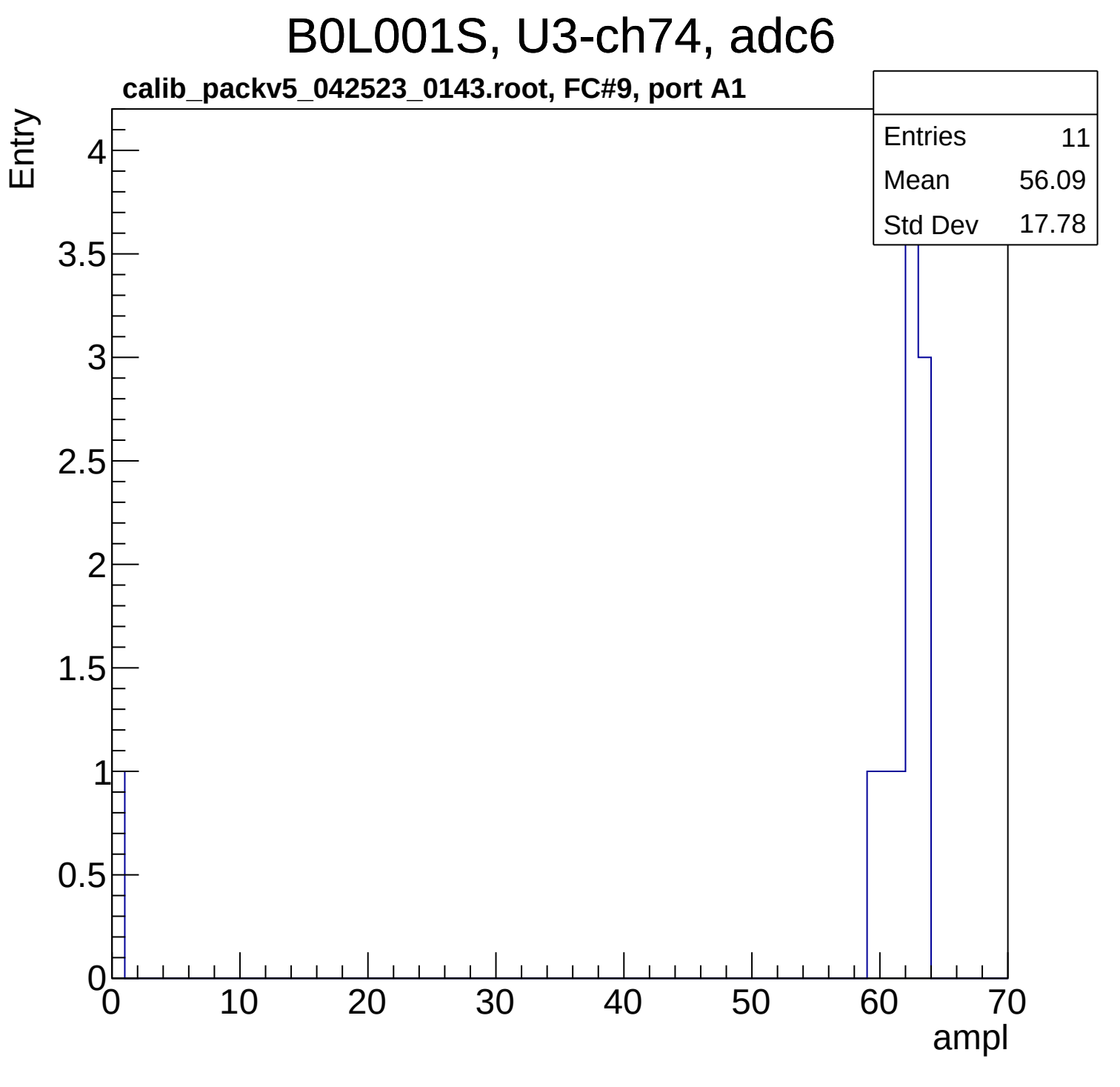
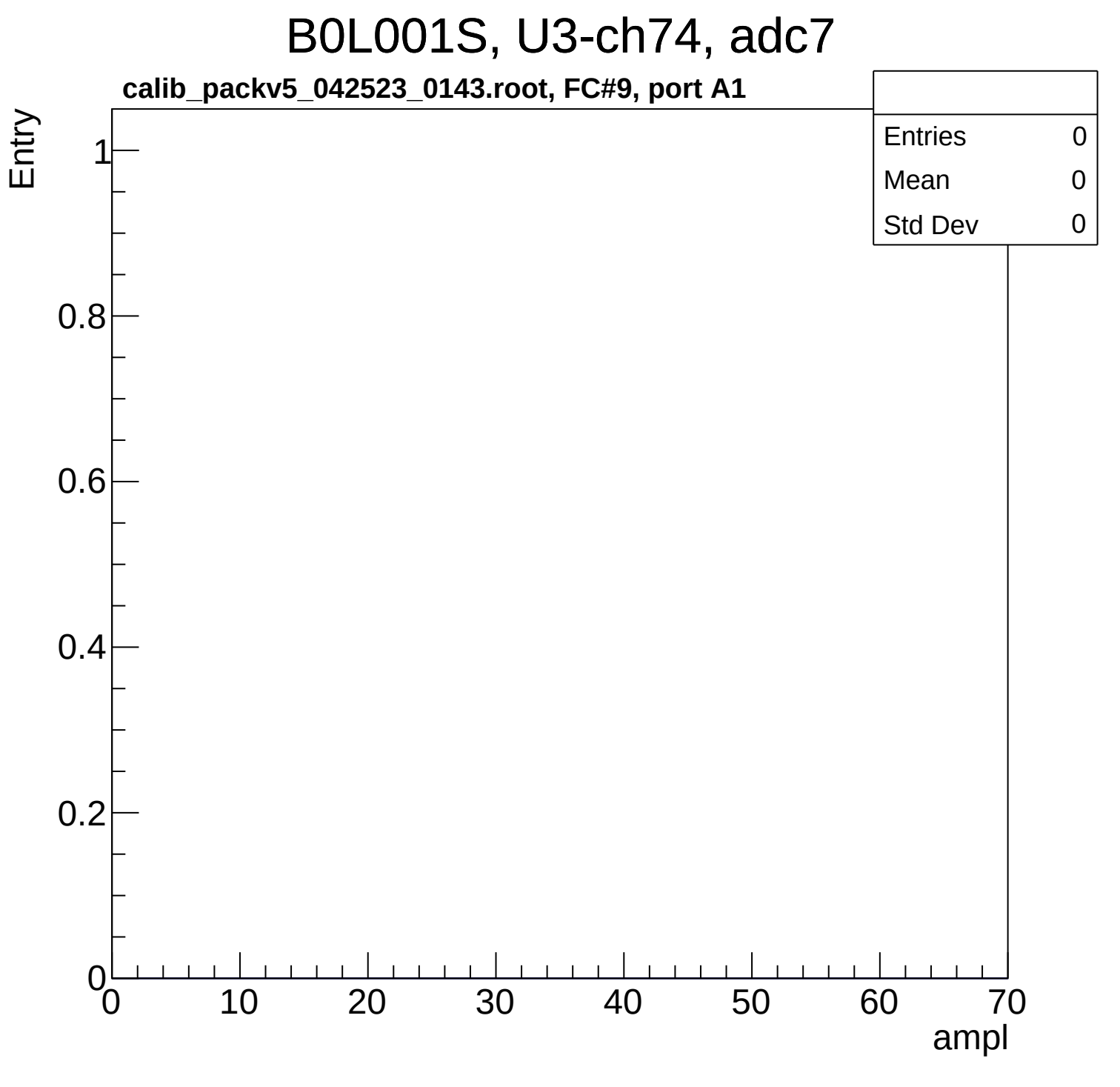
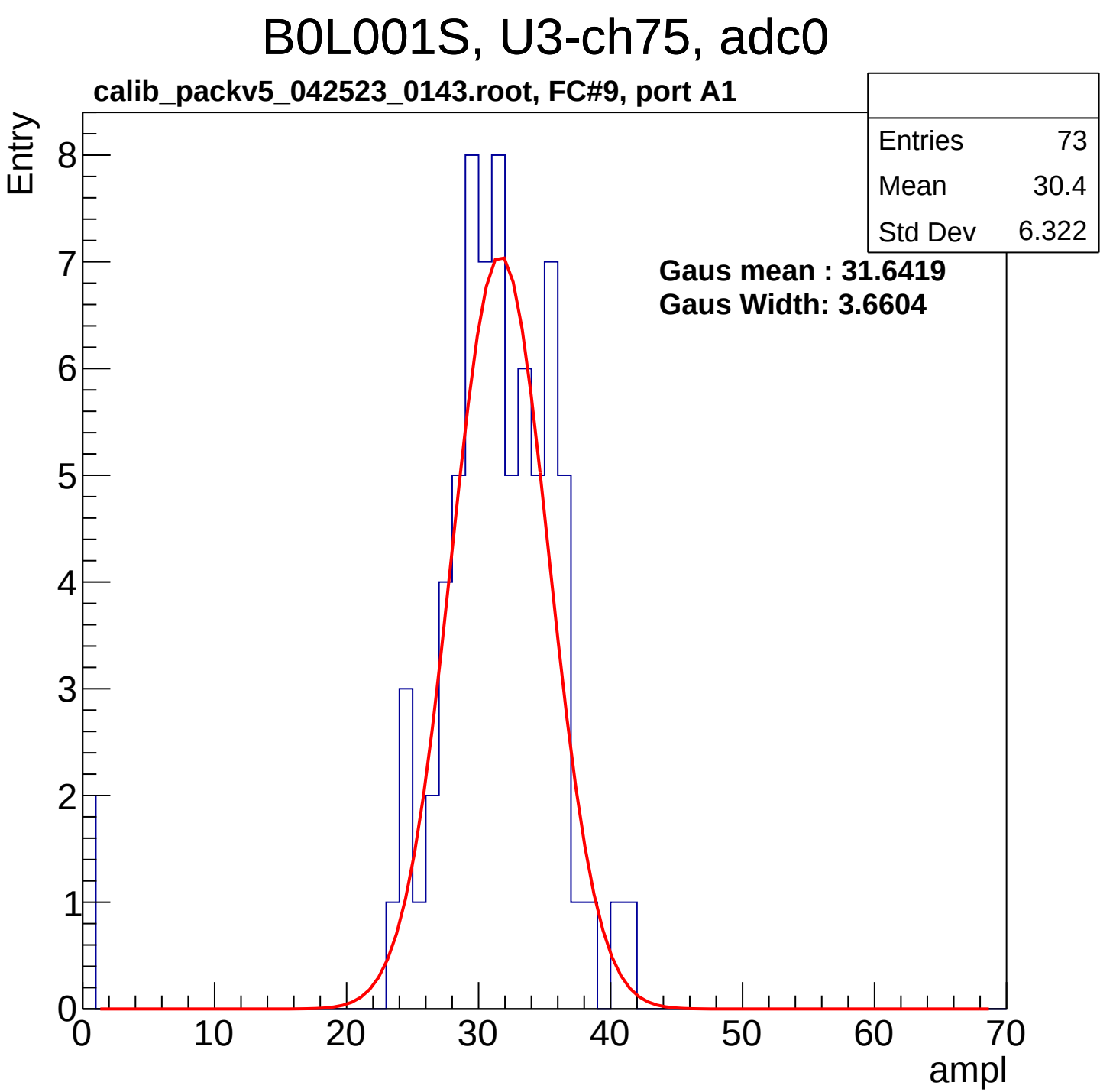

B0L001S, U3-ch74, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 51.02
Std Dev 3.16
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

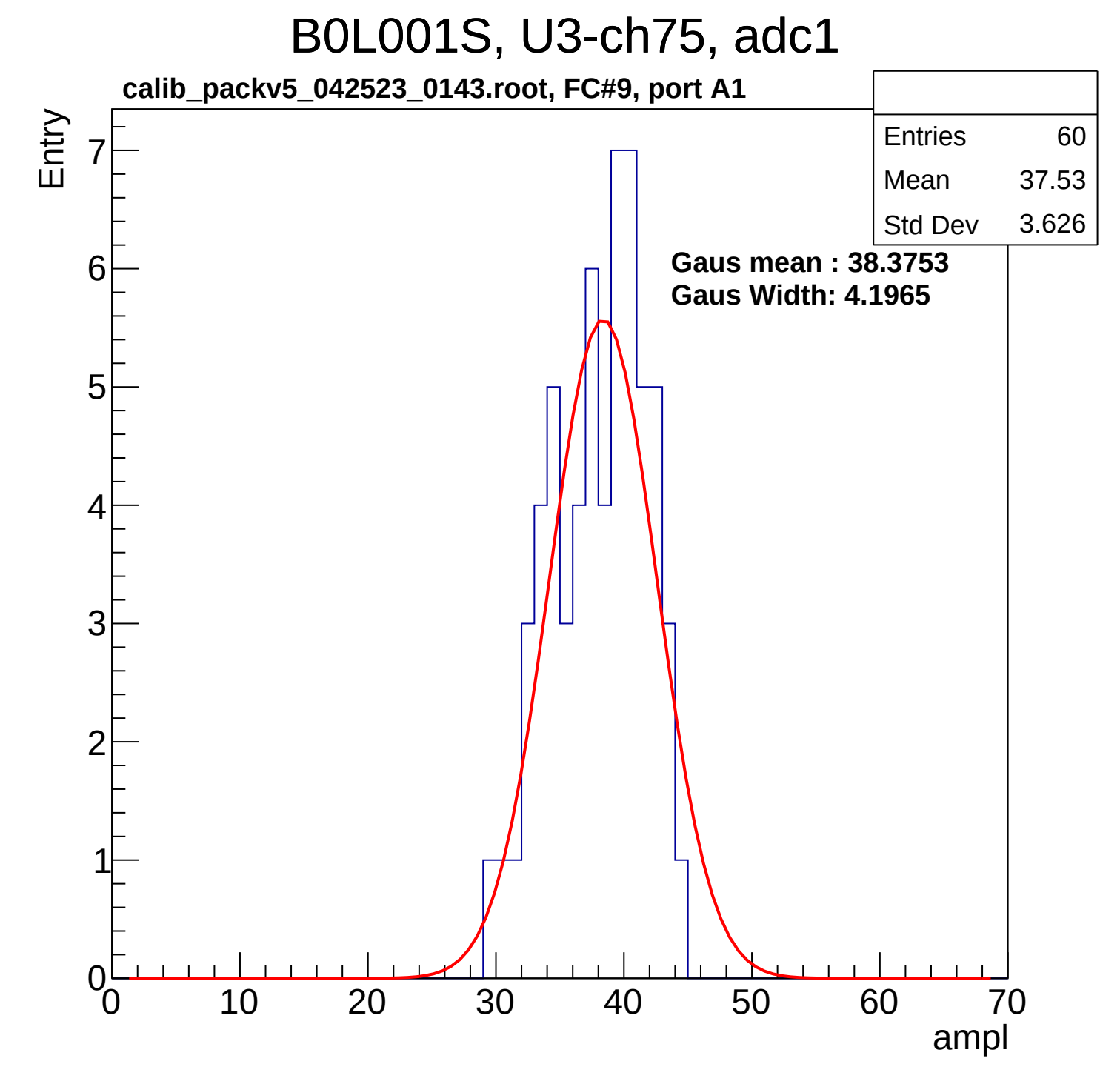

B0L001S, U3-ch74, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 56.25
Std Dev 3.192
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

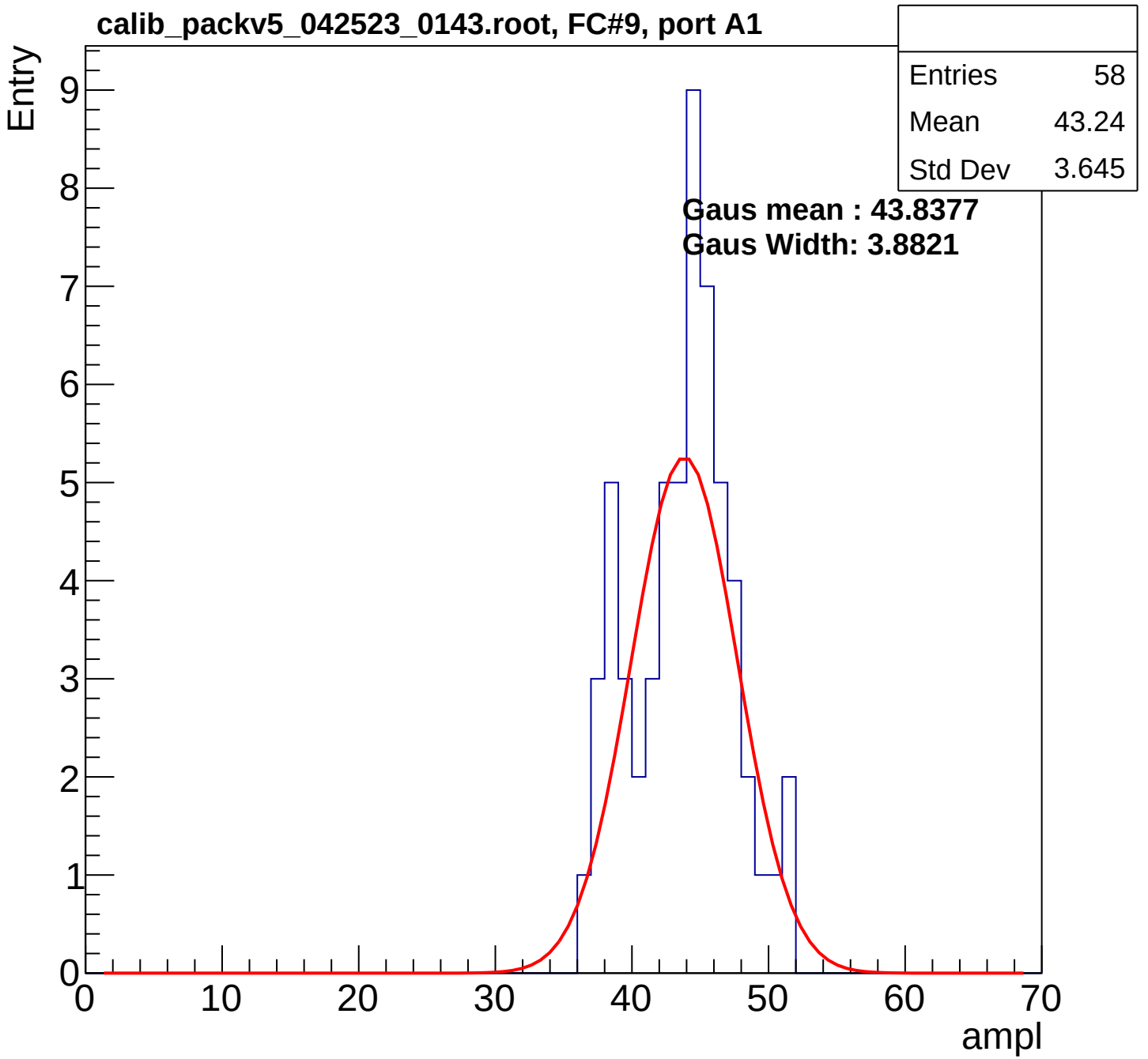

B0L001S, U3-ch74, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 59.89
Std Dev 2.514
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

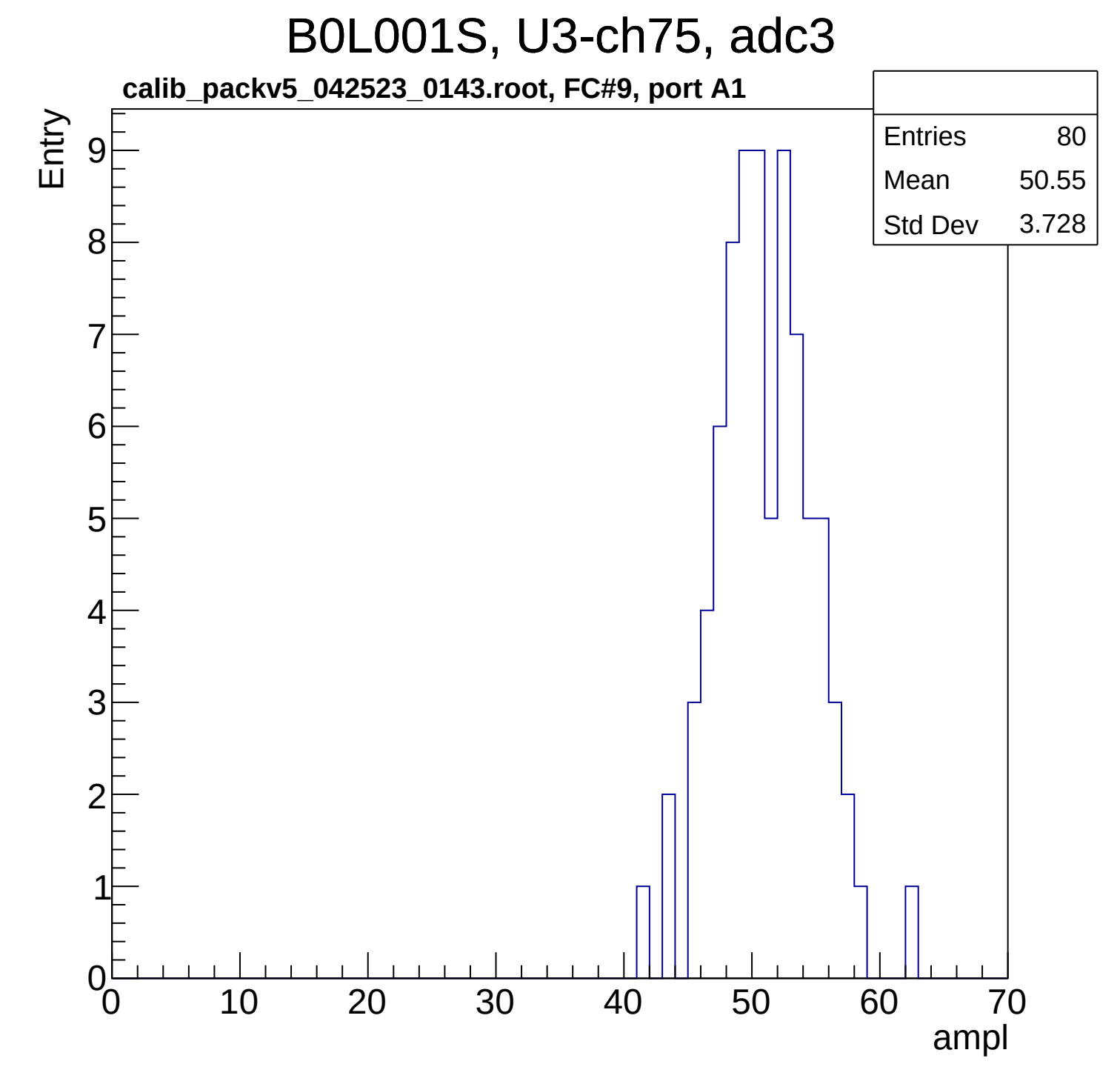

B0L001S, U3-ch74, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 11
Mean 56.09
Std Dev 17.78
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70

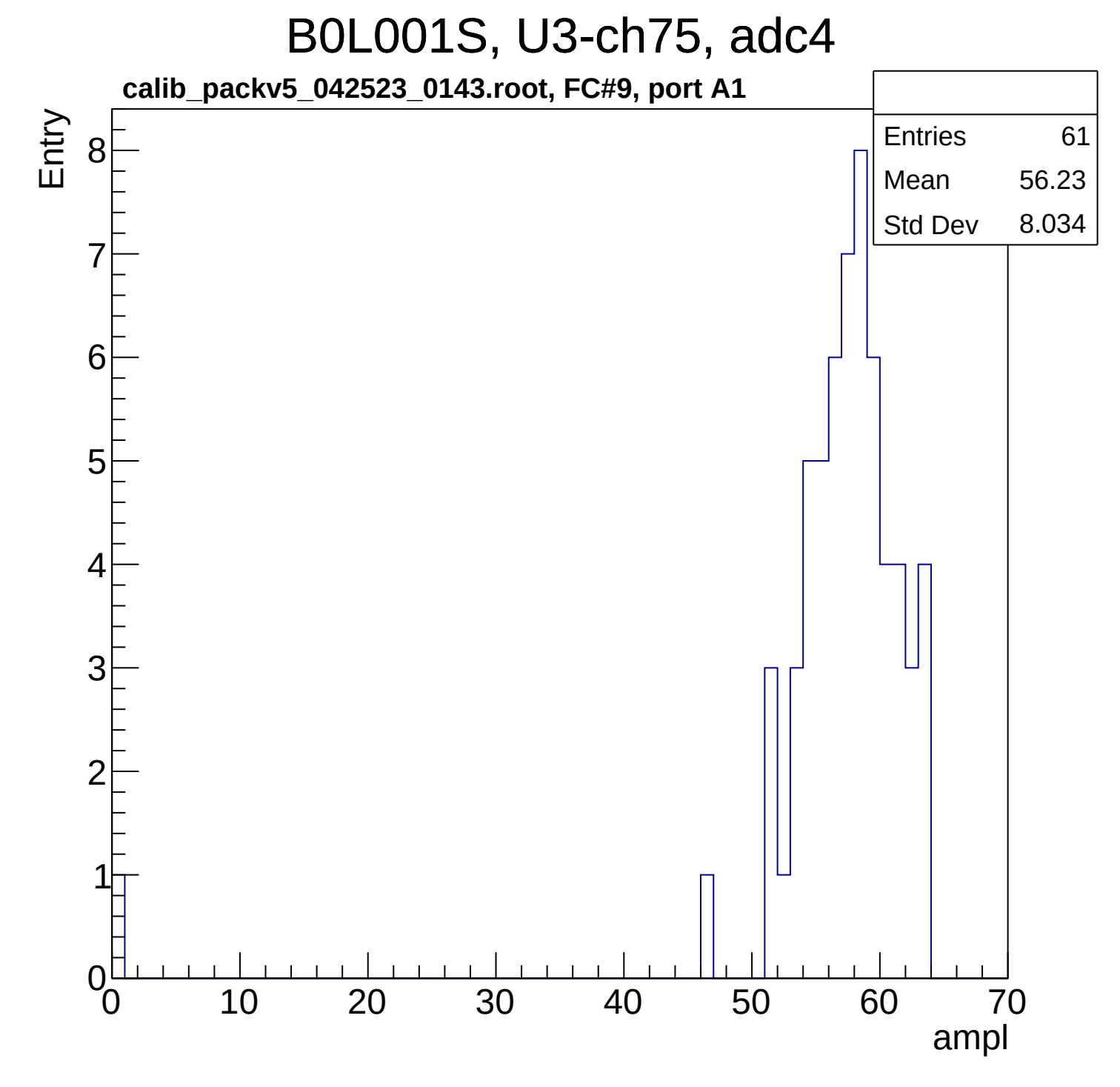

B0L001S, U3-ch74, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

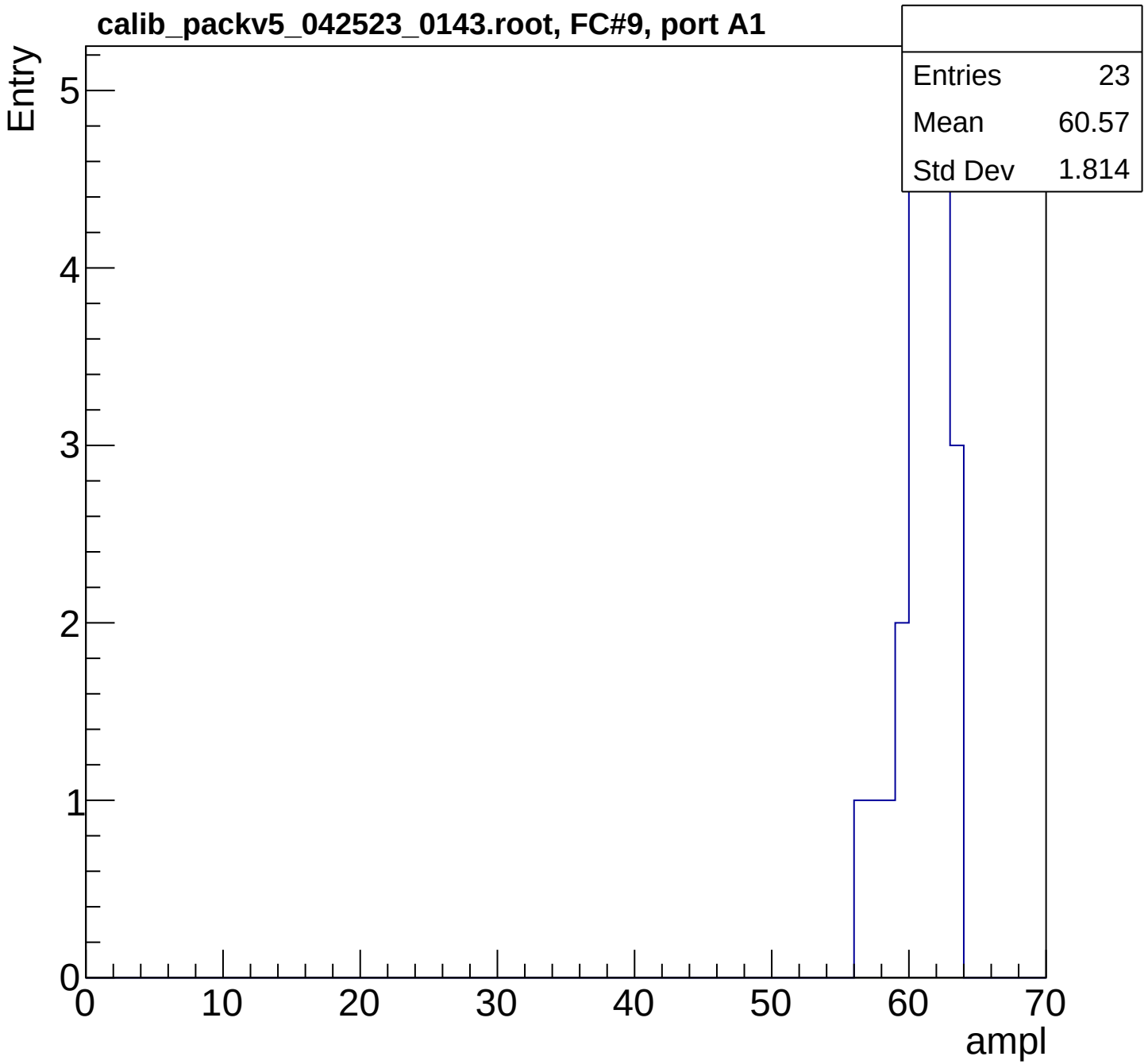

B0L001S, U3-ch75, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 30.4
Std Dev 6.322
Gaus mean : 31.6419
Gaus Width: 3.6604
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

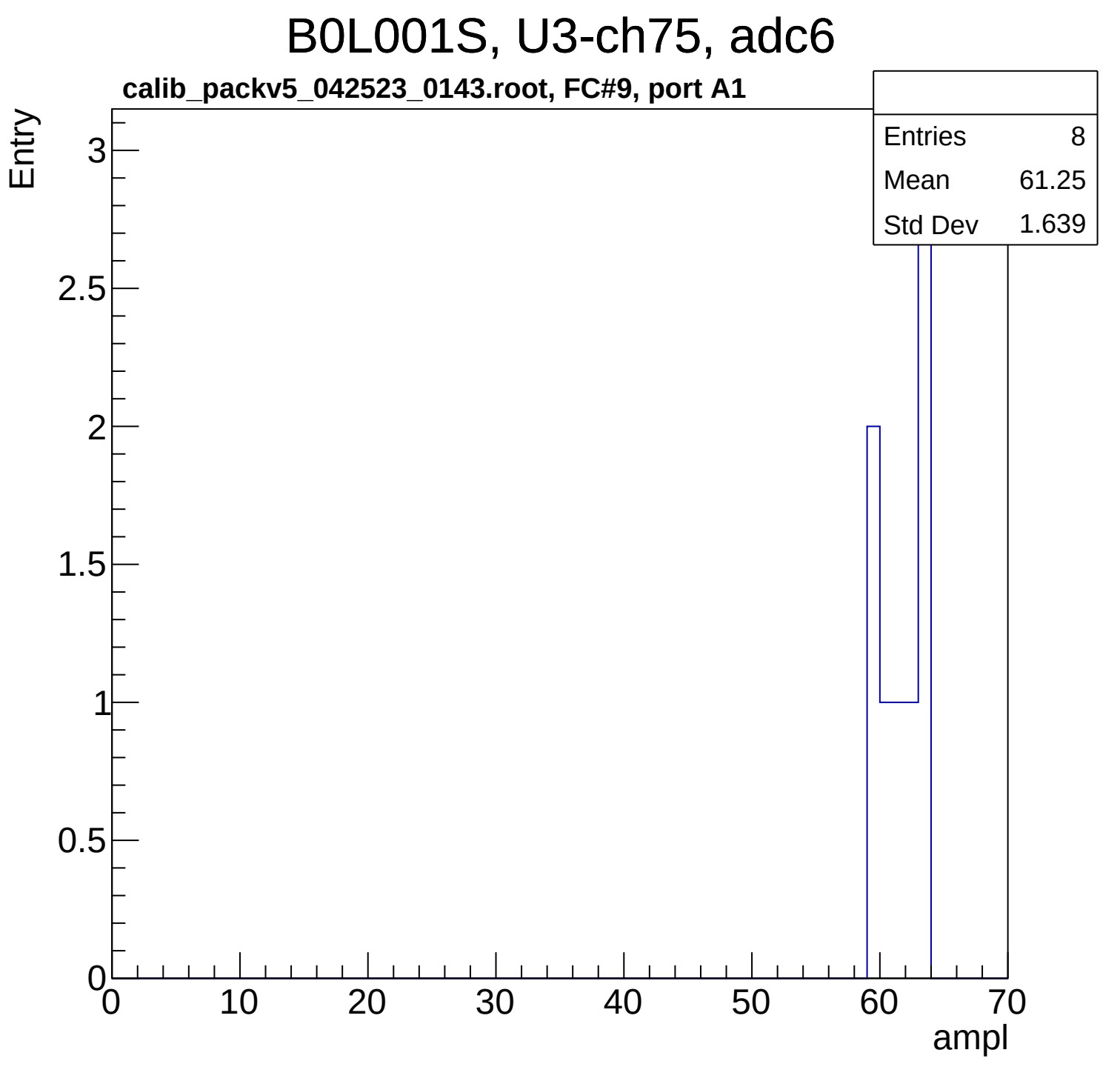

B0L001S, U3-ch75, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 37.53
Std Dev 3.626
Gaus mean : 38.3753
Gaus Width: 4.1965
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

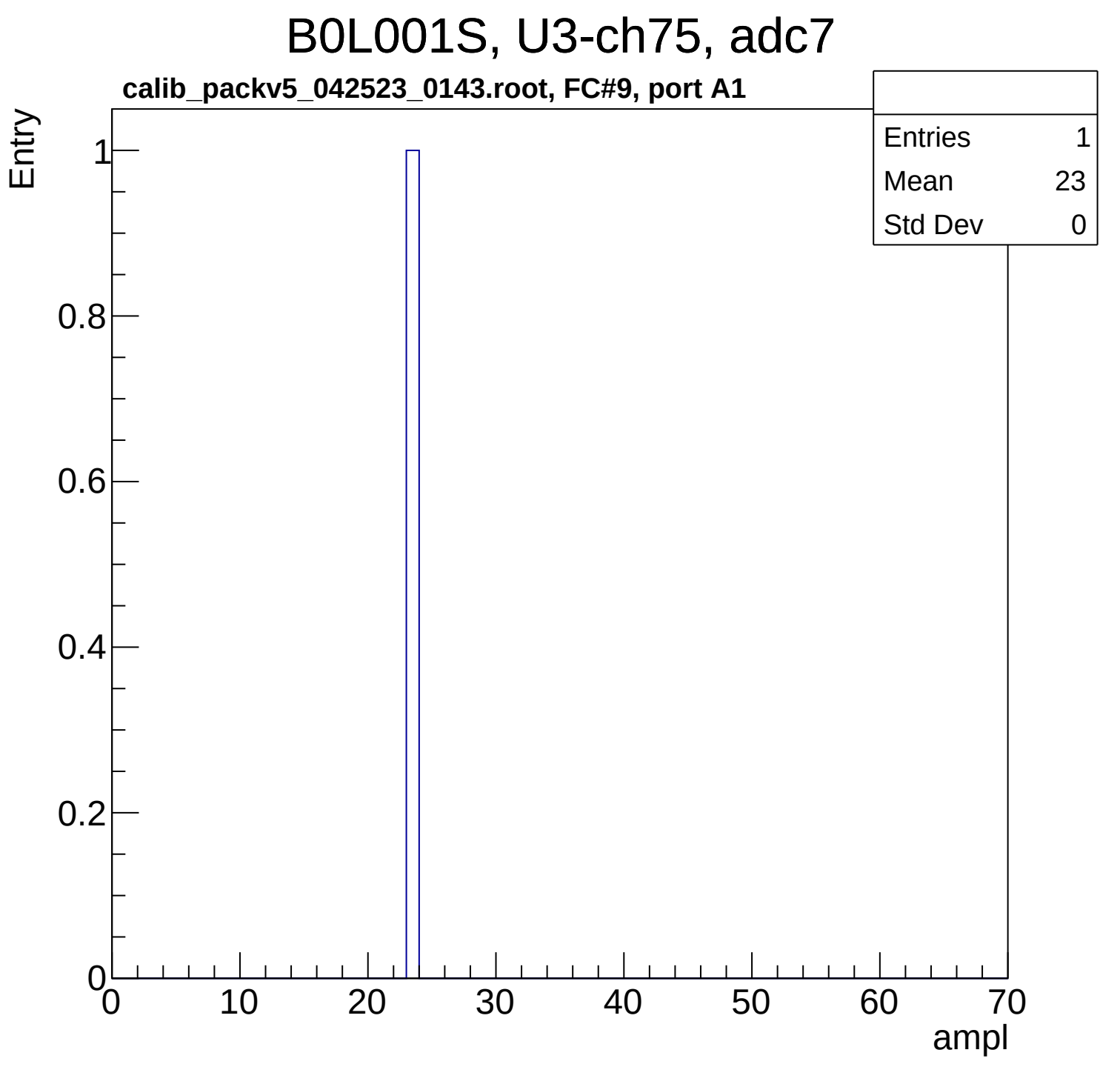

B0L001S, U3-ch75, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 43.24
Std Dev 3.645
Gaus mean : 43.8377
Gaus Width: 3.8821
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch75, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 50.55
Std Dev 3.728
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch75, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 56.23
Std Dev 8.034
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch75, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 23
Mean 60.57
Std Dev 1.814
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch75, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 61.25
Std Dev 1.639
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch75, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 23
Std Dev 0
Entry
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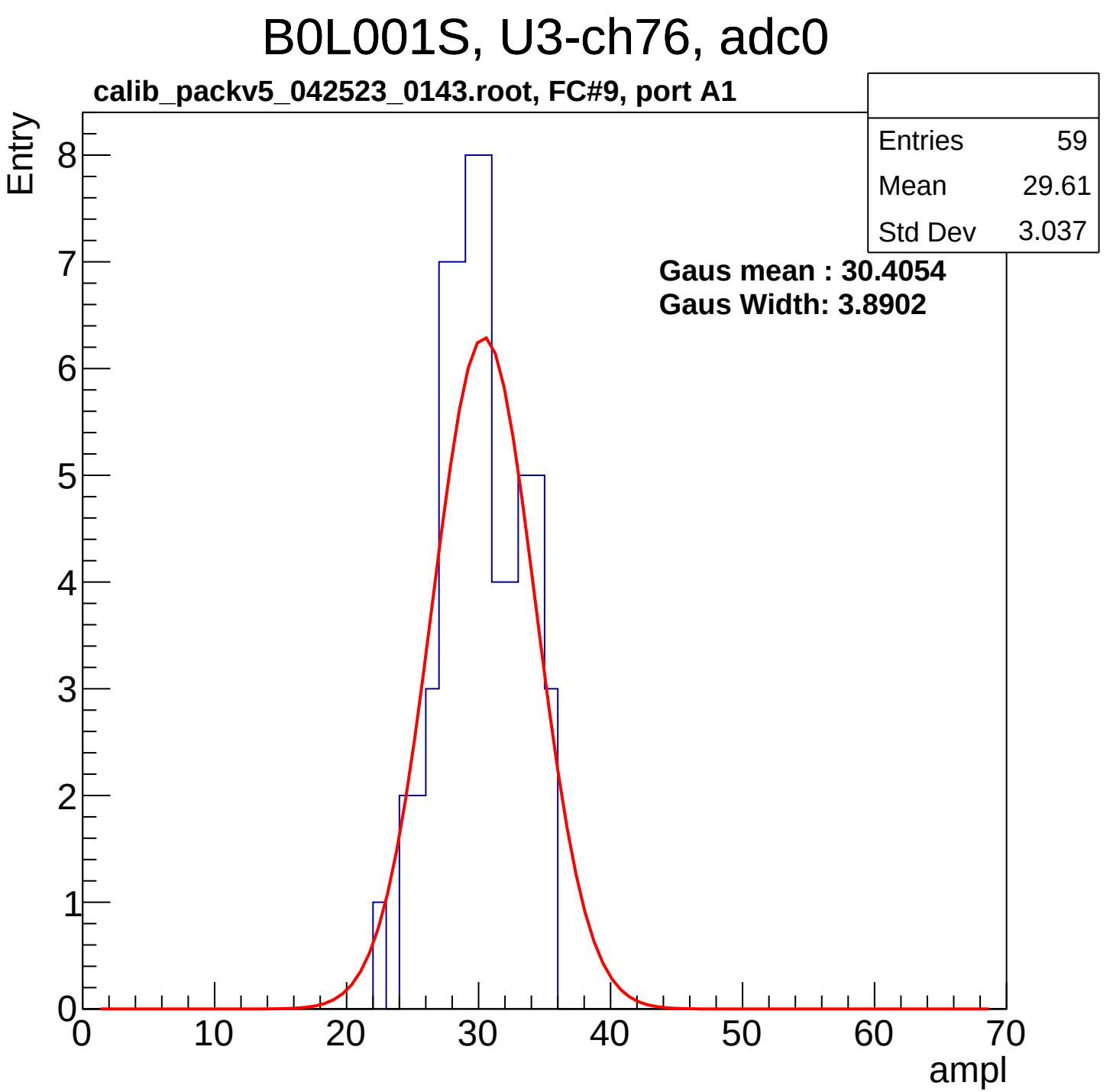
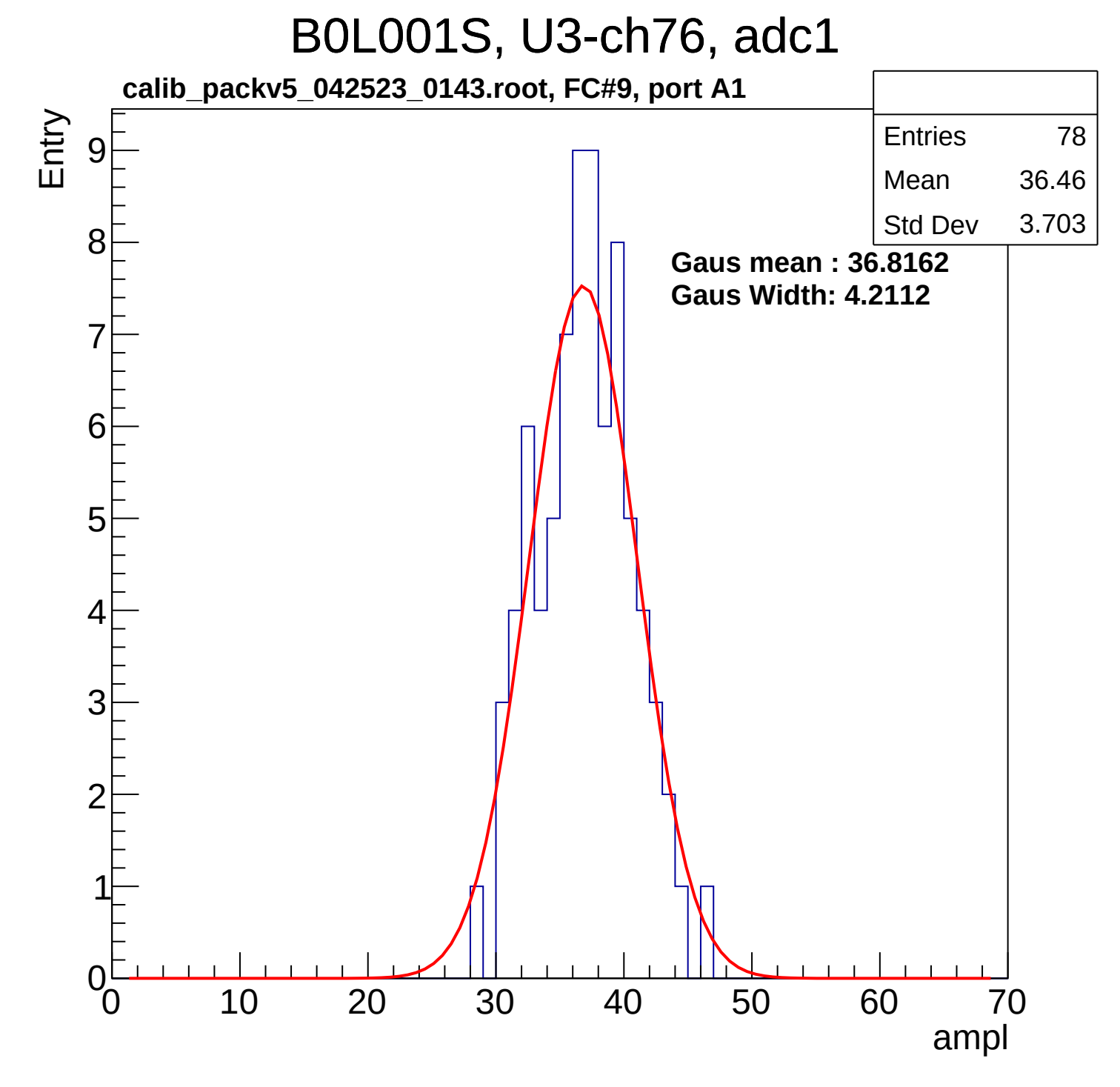
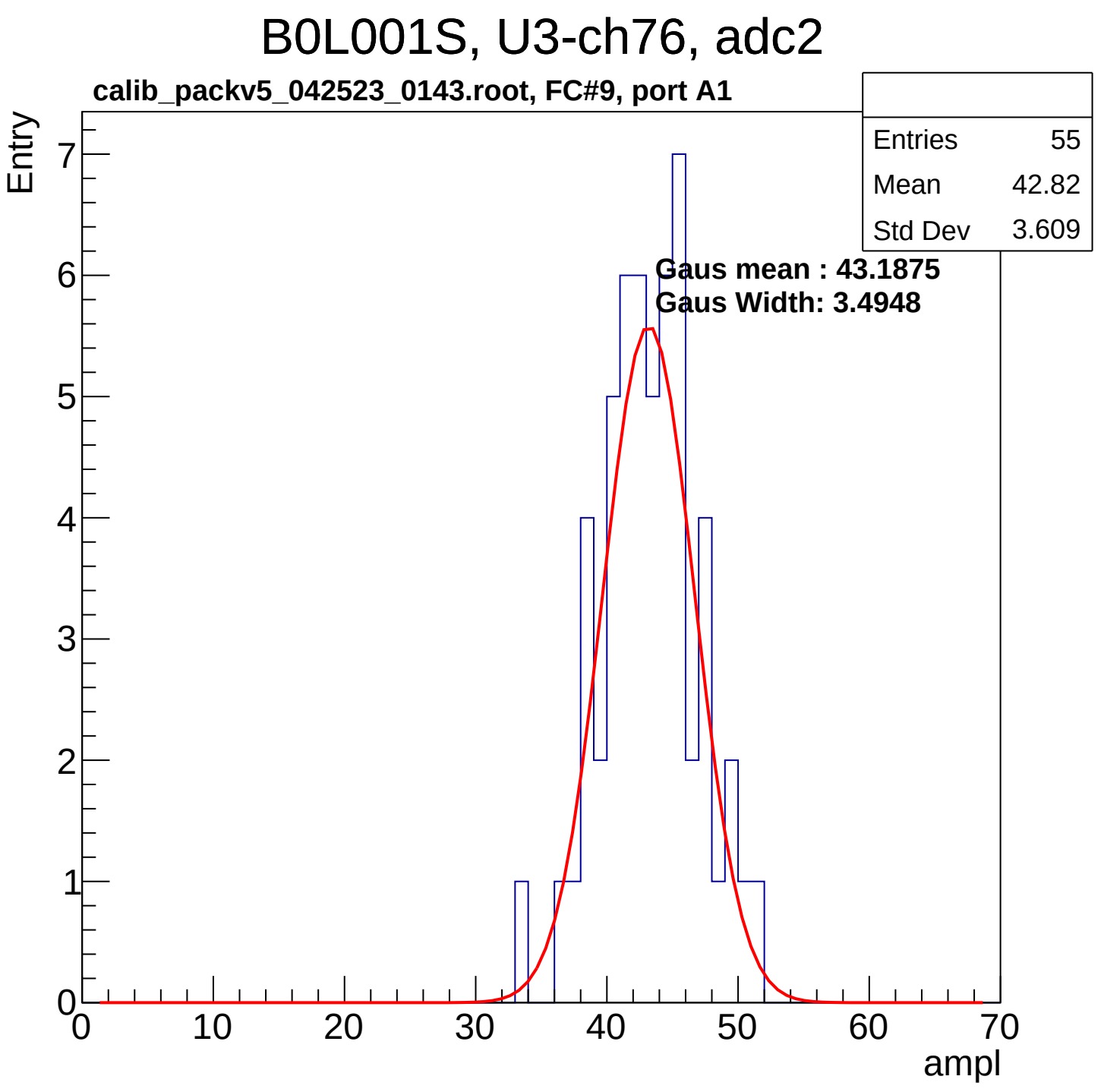
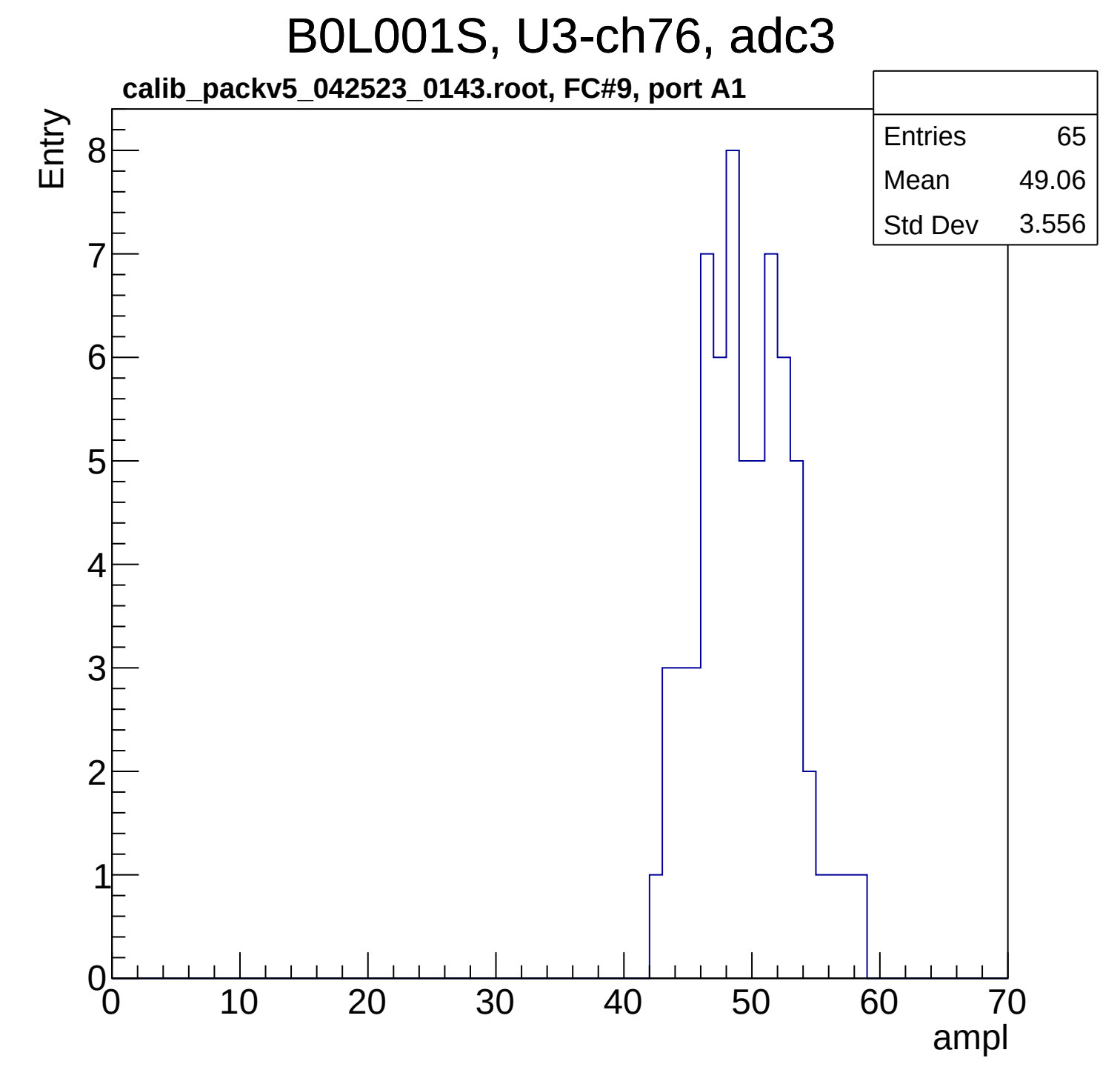
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch76, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 29.61
Std Dev 3.037
Gaus mean : 30.4054
Gaus Width: 3.8902
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch76, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 36.46
Std Dev 3.703
Gaus mean : 36.8162
Gaus Width: 4.2112
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch76, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 42.82
Std Dev 3.609
Gaus mean : 43.1875
Gaus Width: 3.4948
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch76, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 49.06
Std Dev 3.556
Entry
ampl
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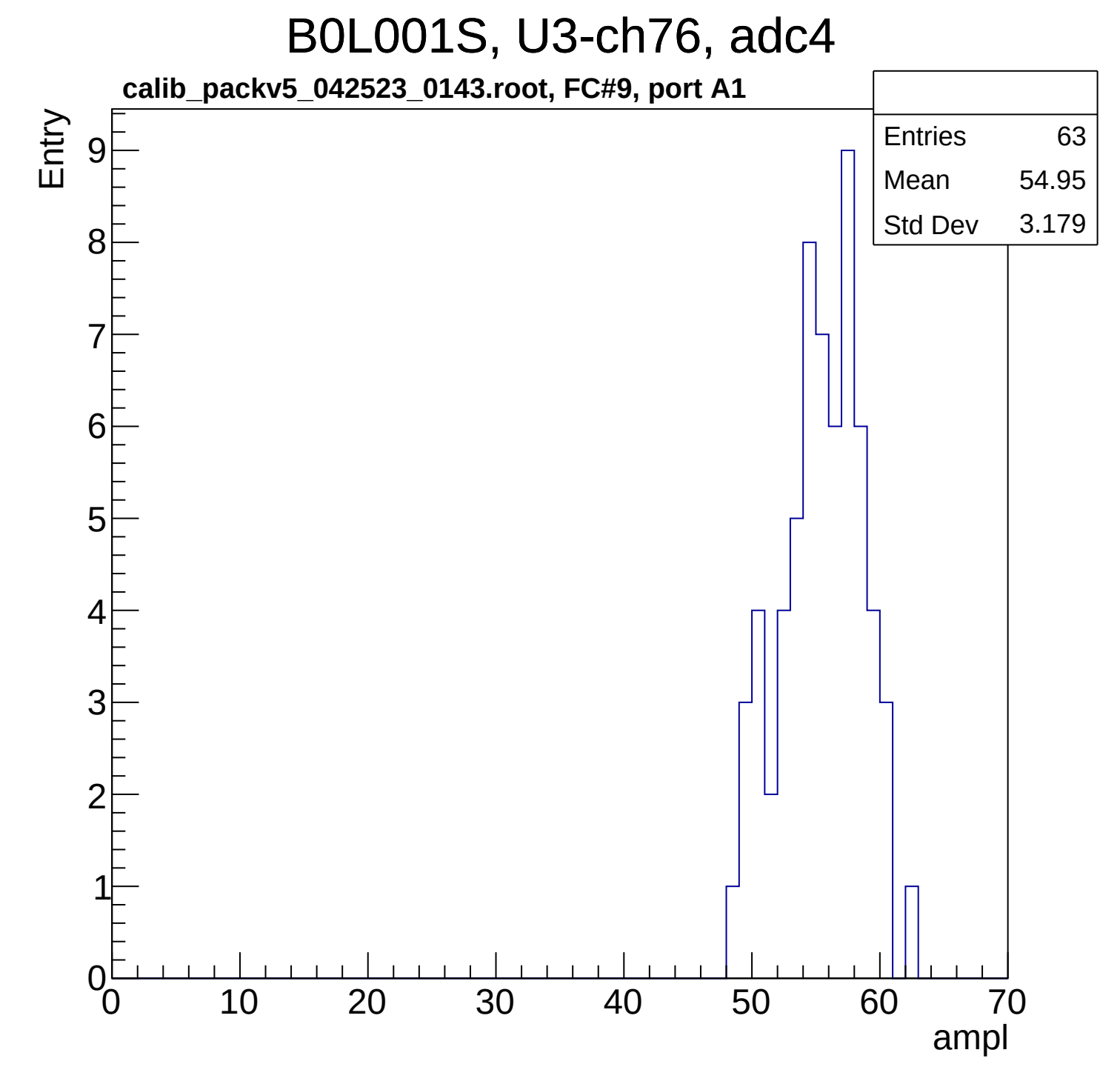
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch76, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 54.95
Std Dev 3.179
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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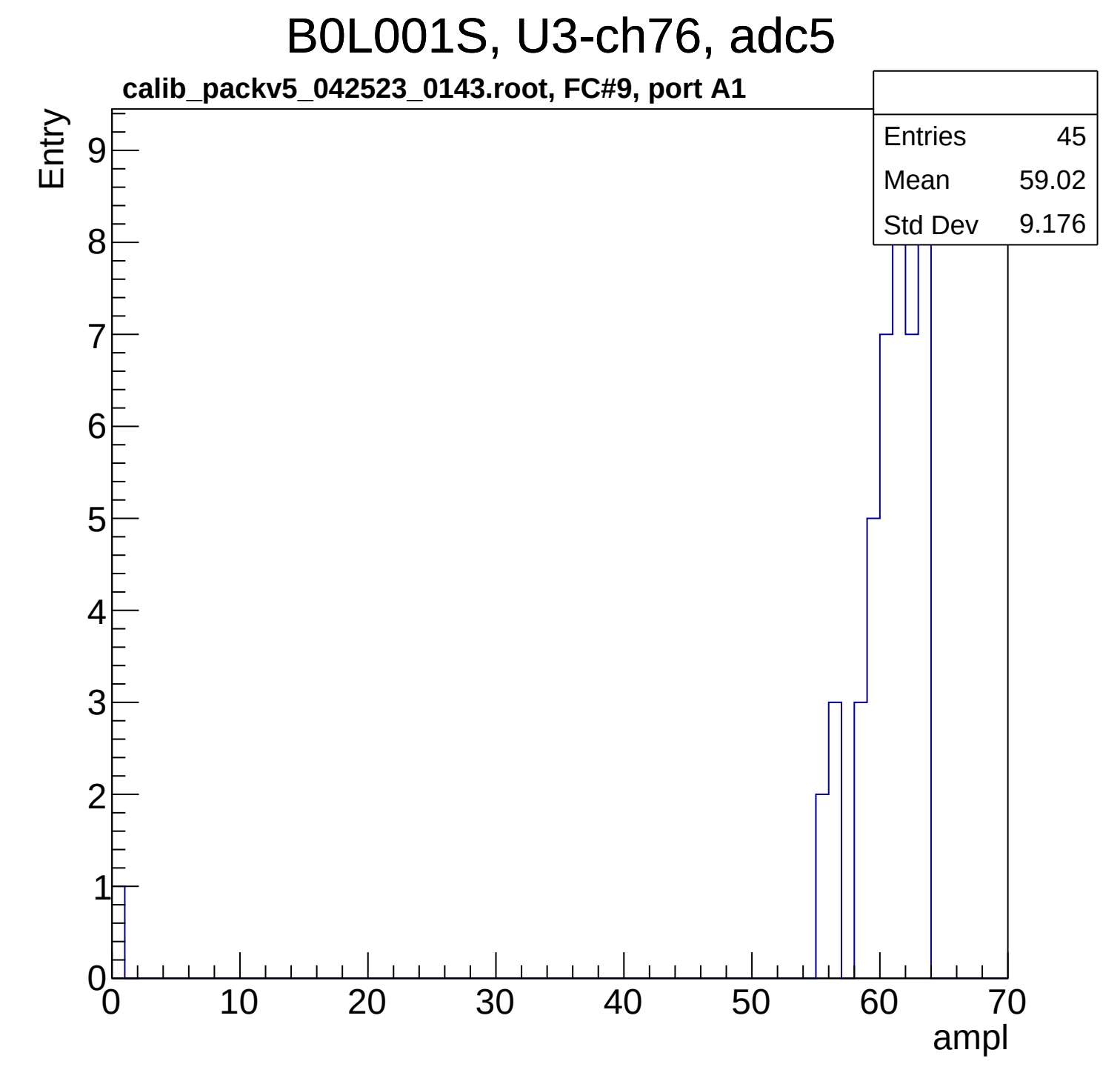
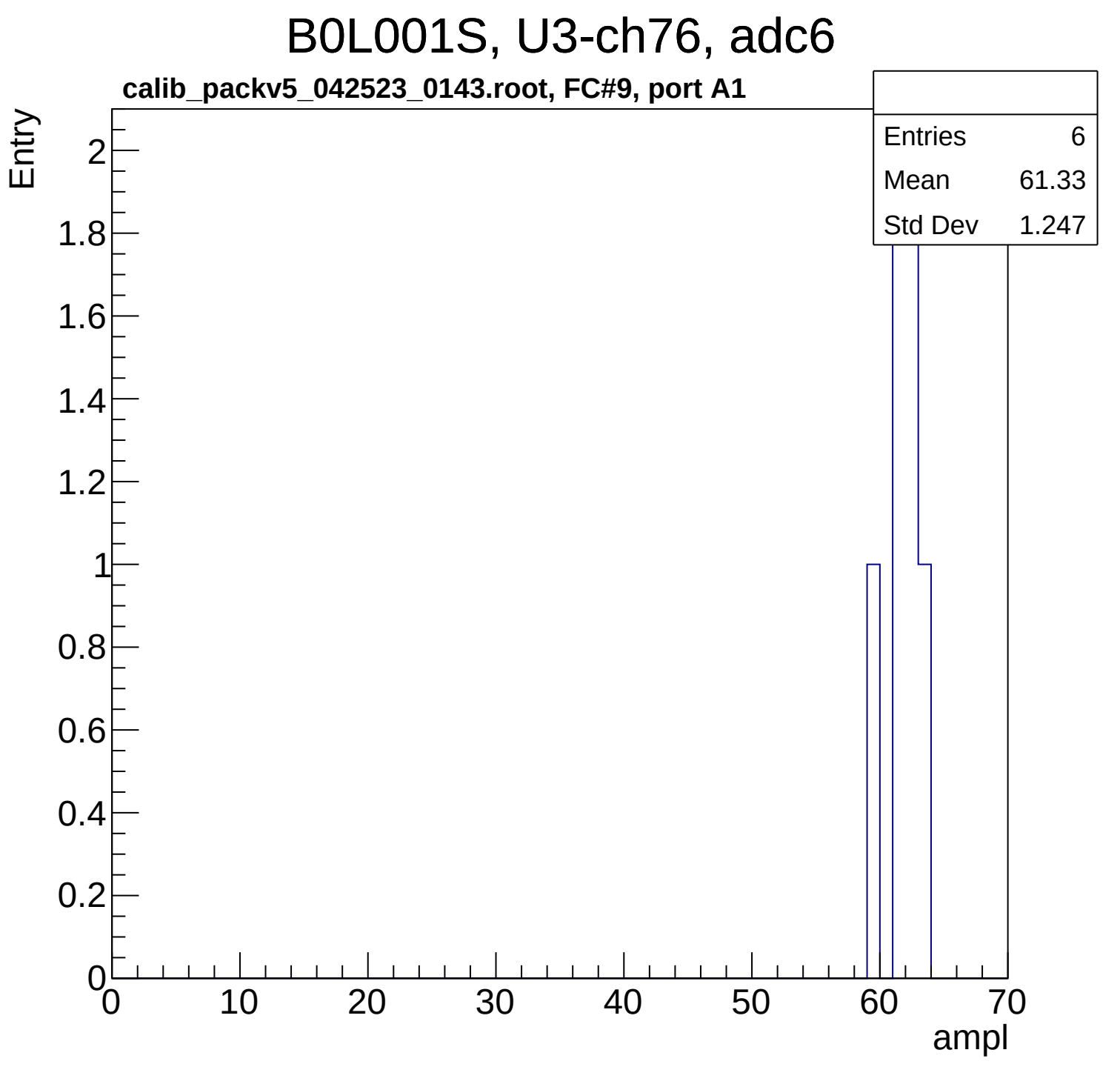
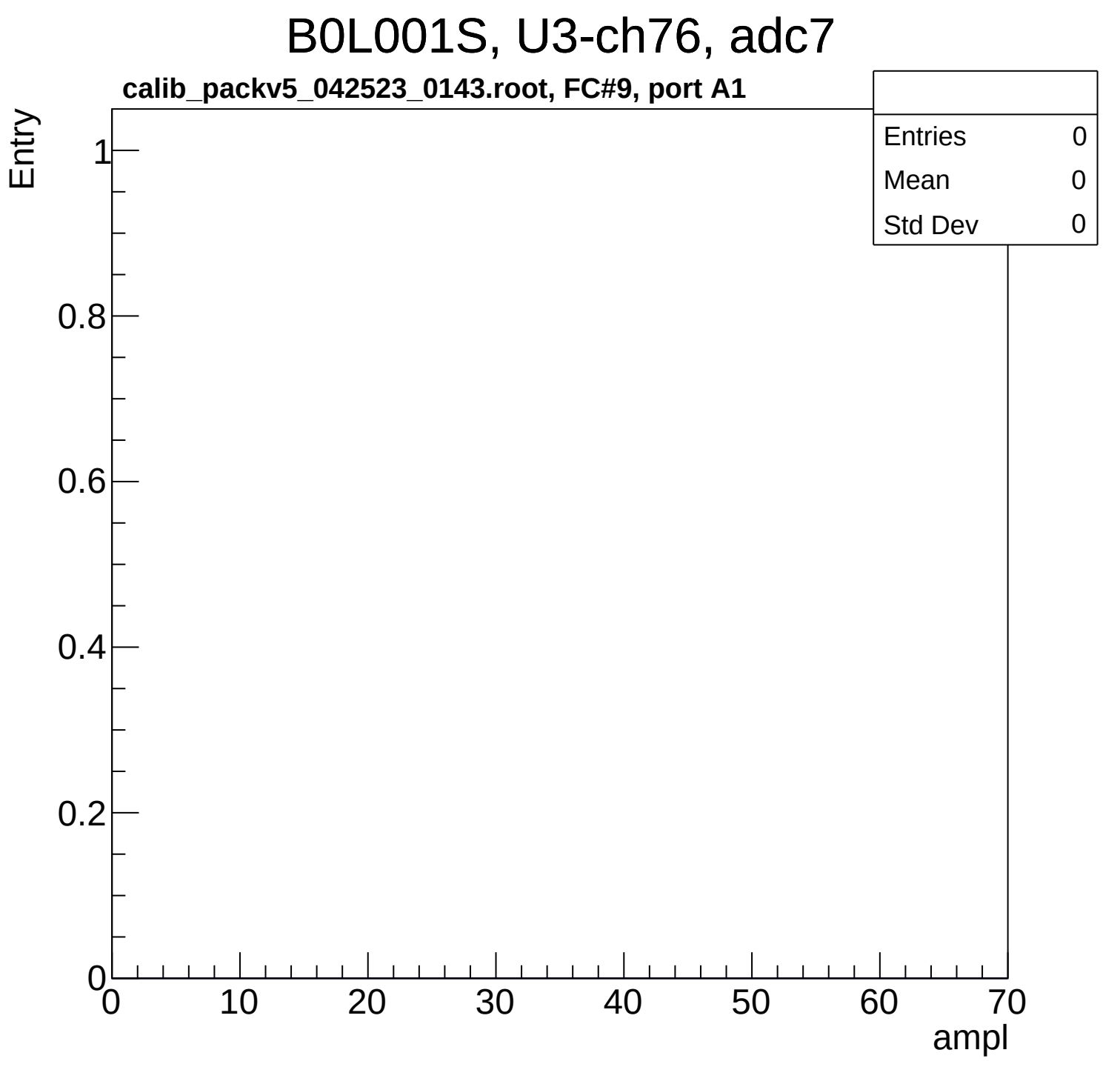

B0L001S, U3-ch76, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 59.02
Std Dev 9.176
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch76, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 61.33
Std Dev 1.247
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


B0L001S, U3-ch76, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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0.8
0.6
0.4
0.2
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0
10
20
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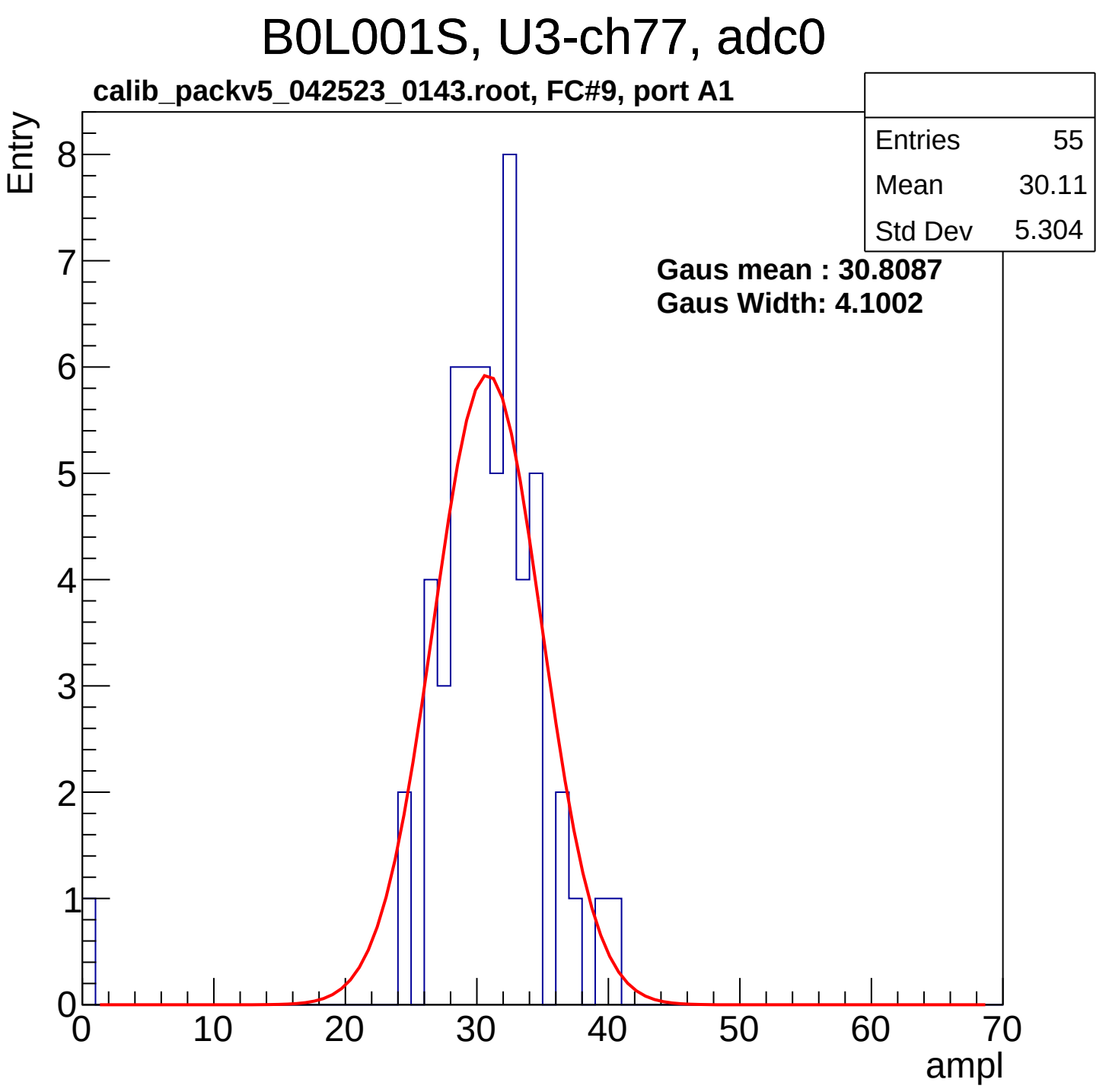
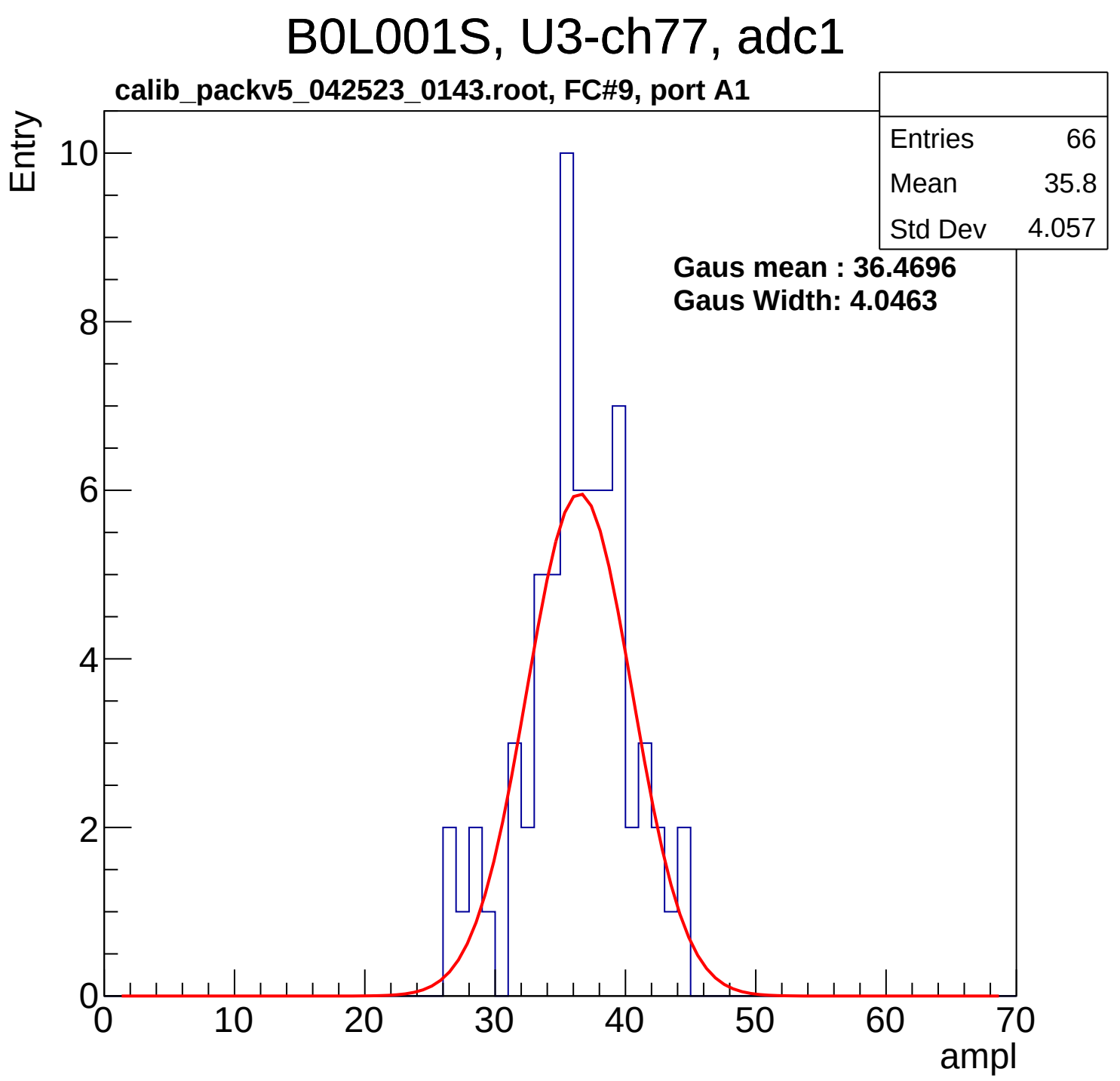
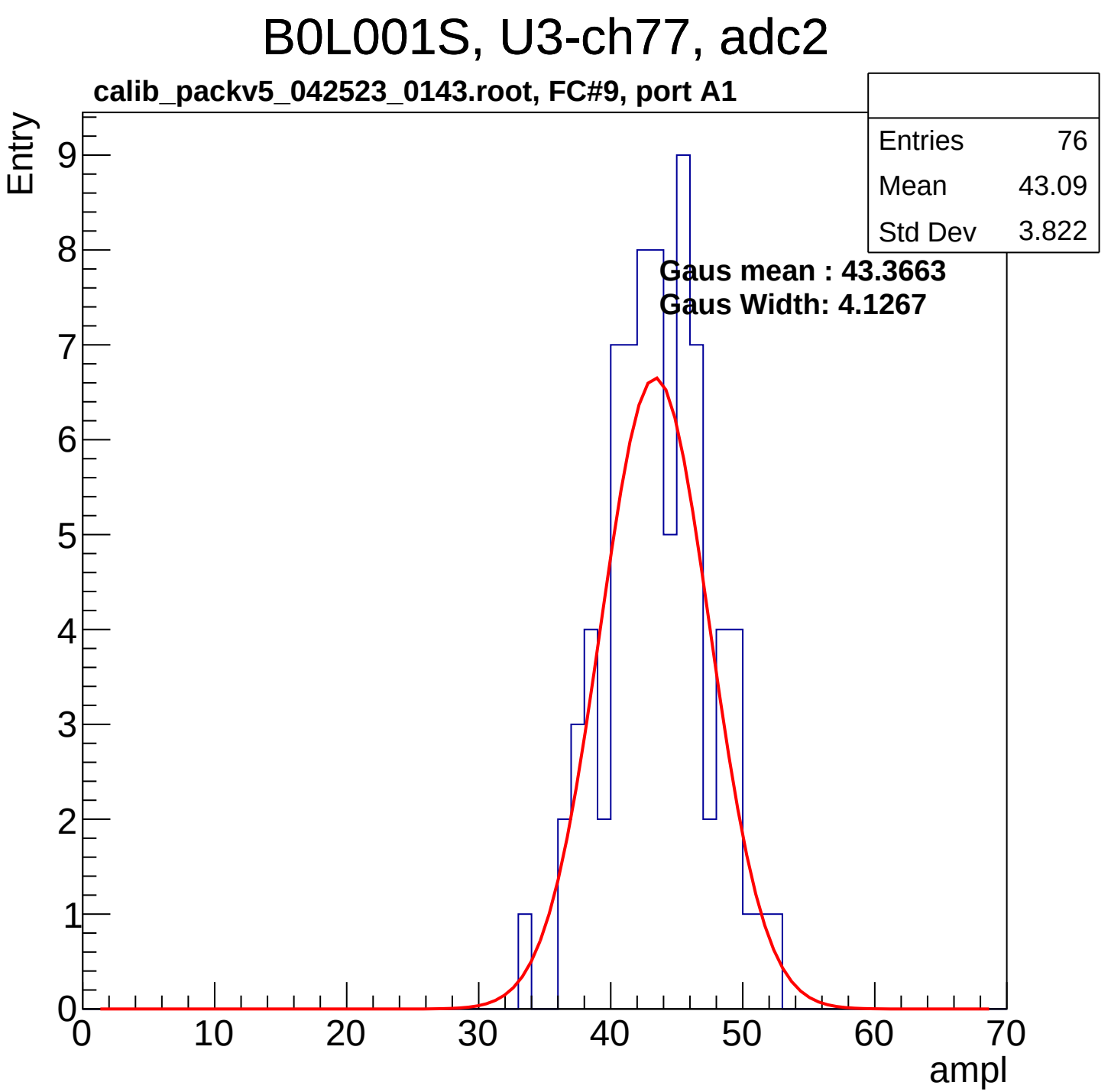
50
60
70
ampl


B0L001S, U3-ch77, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 30.11
Std Dev 5.304
Gaus mean : 30.8087
Gaus Width: 4.1002
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch77, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 35.8
Std Dev 4.057
Gaus mean : 36.4696
Gaus Width: 4.0463
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch77, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 43.09
Std Dev 3.822
Gaus mean : 43.3663
Gaus Width: 4.1267
Entry
ampl
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1
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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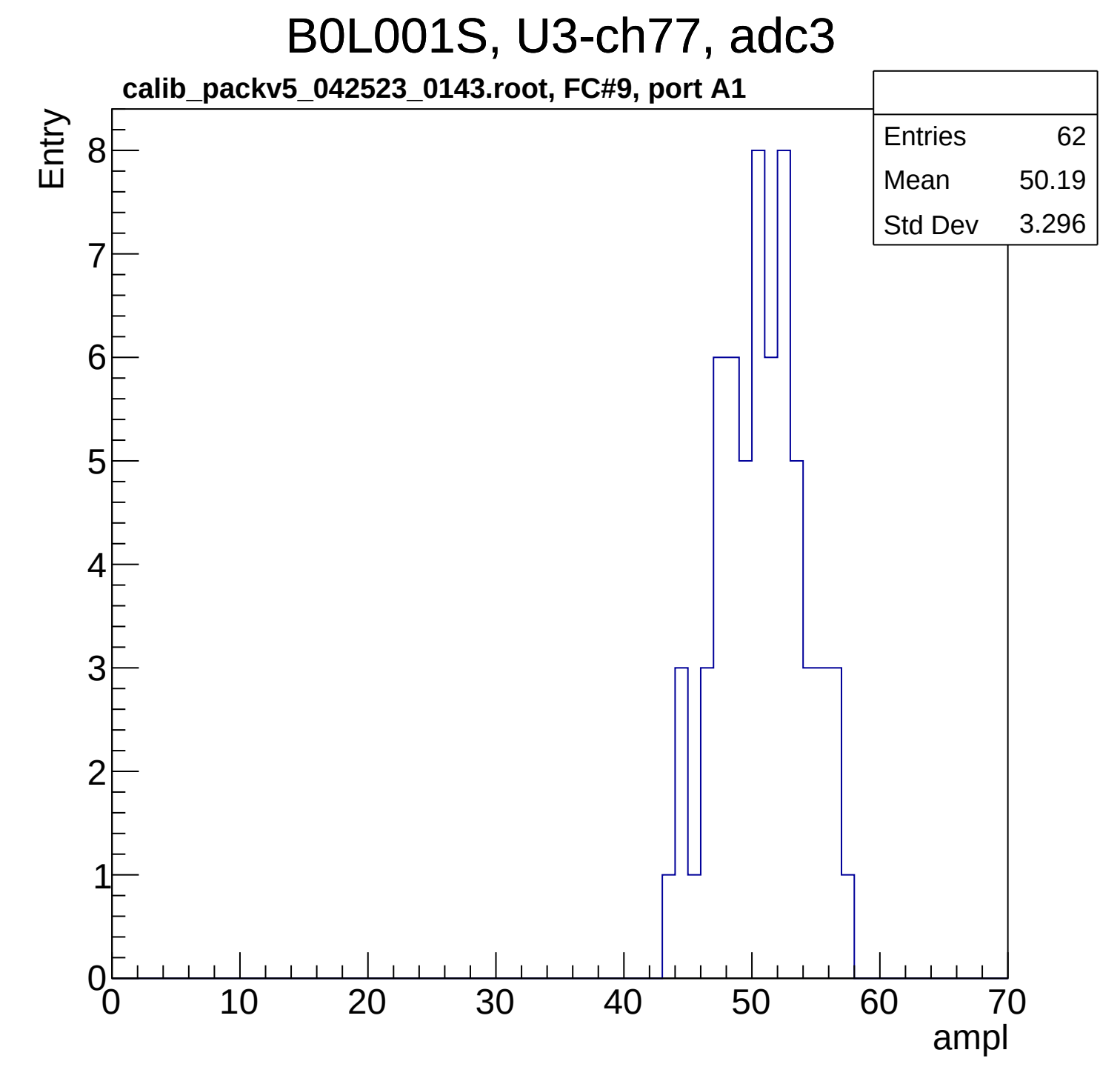
B0L001S, U3-ch77, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 50.19
Std Dev 3.296
Entry
ampl
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1
2
3
4
5
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0
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60
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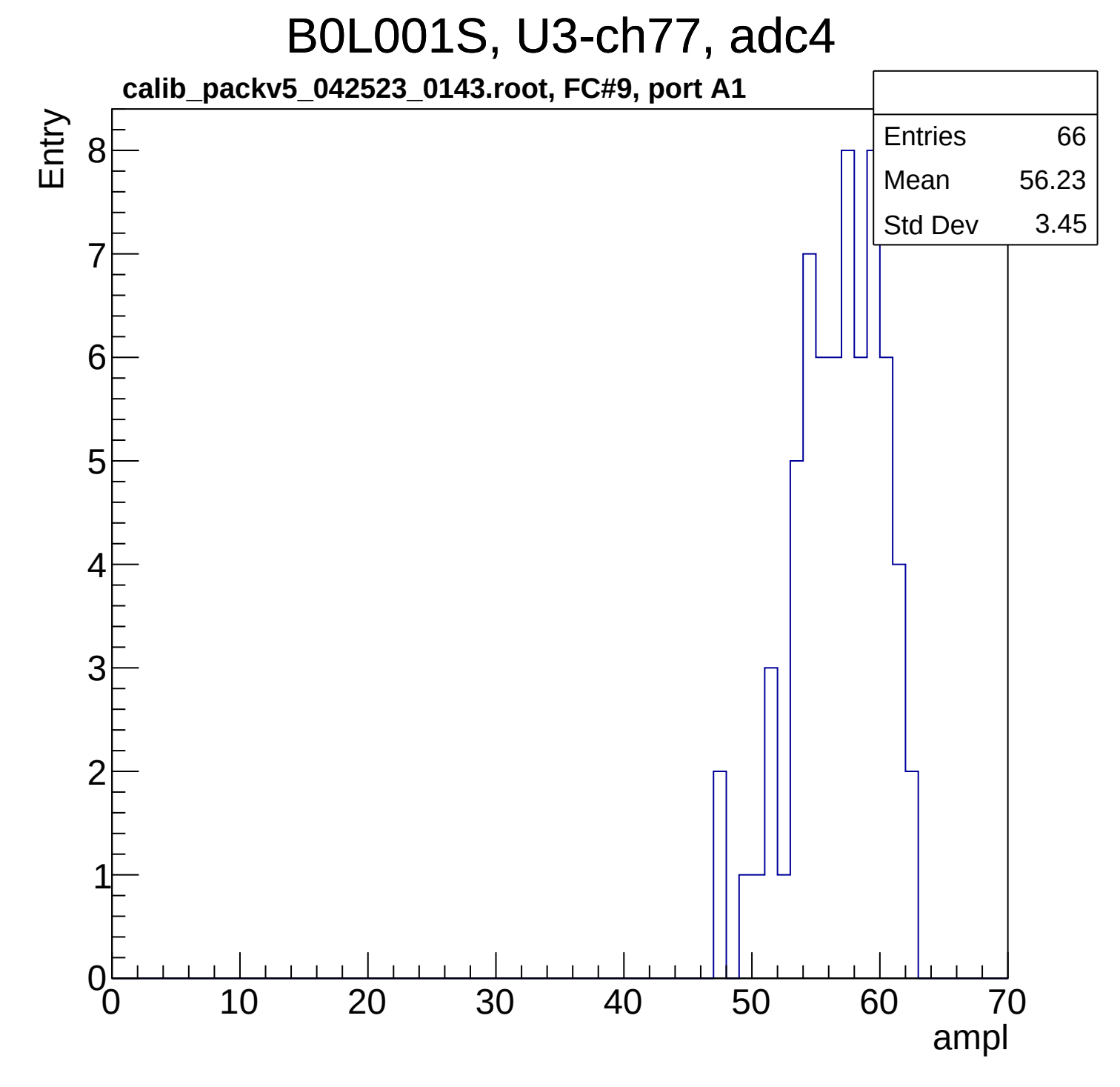
B0L001S, U3-ch77, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 56.23
Std Dev 3.45
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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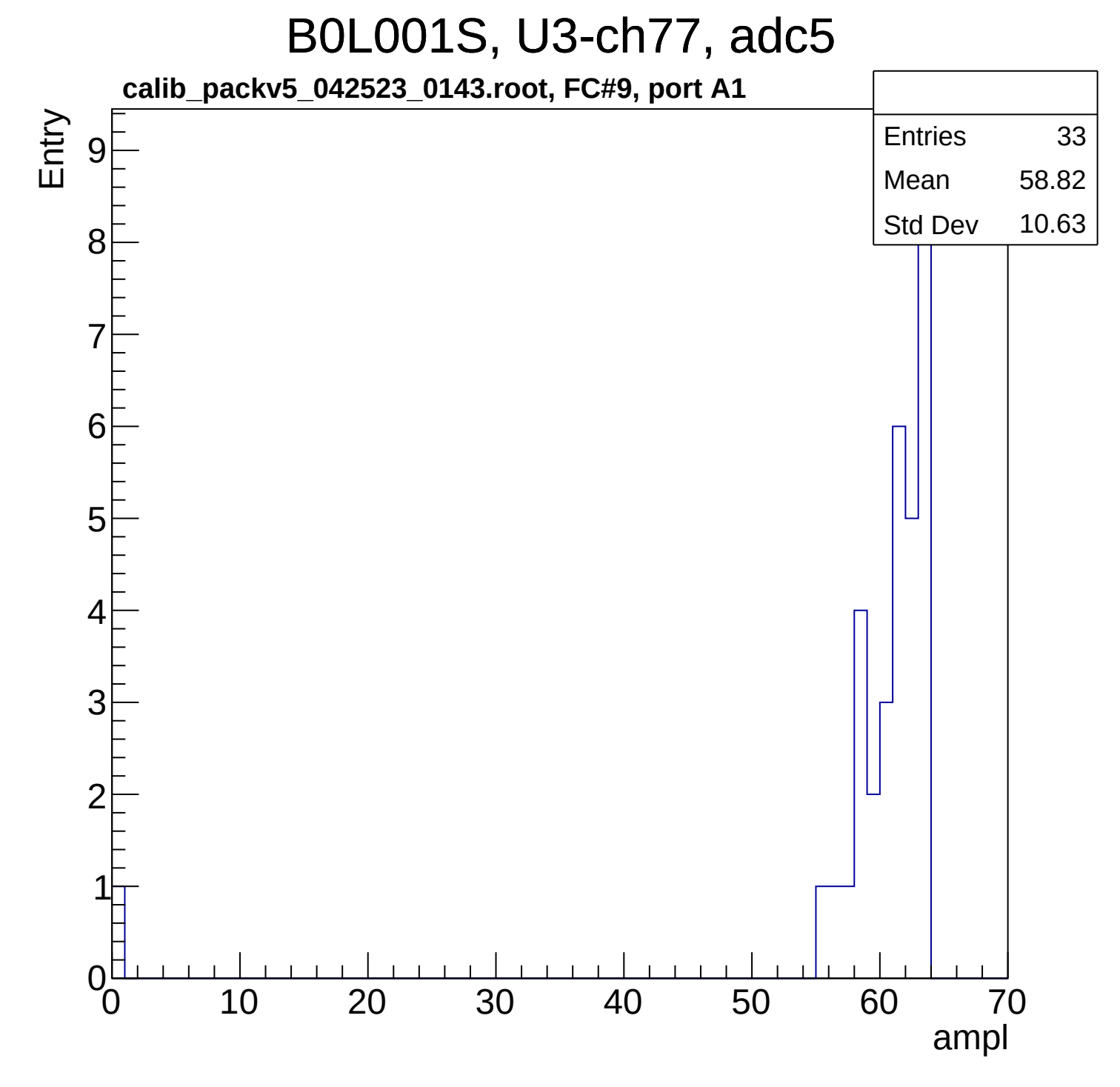
B0L001S, U3-ch77, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 33
Mean 58.82
Std Dev 10.63
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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40
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60
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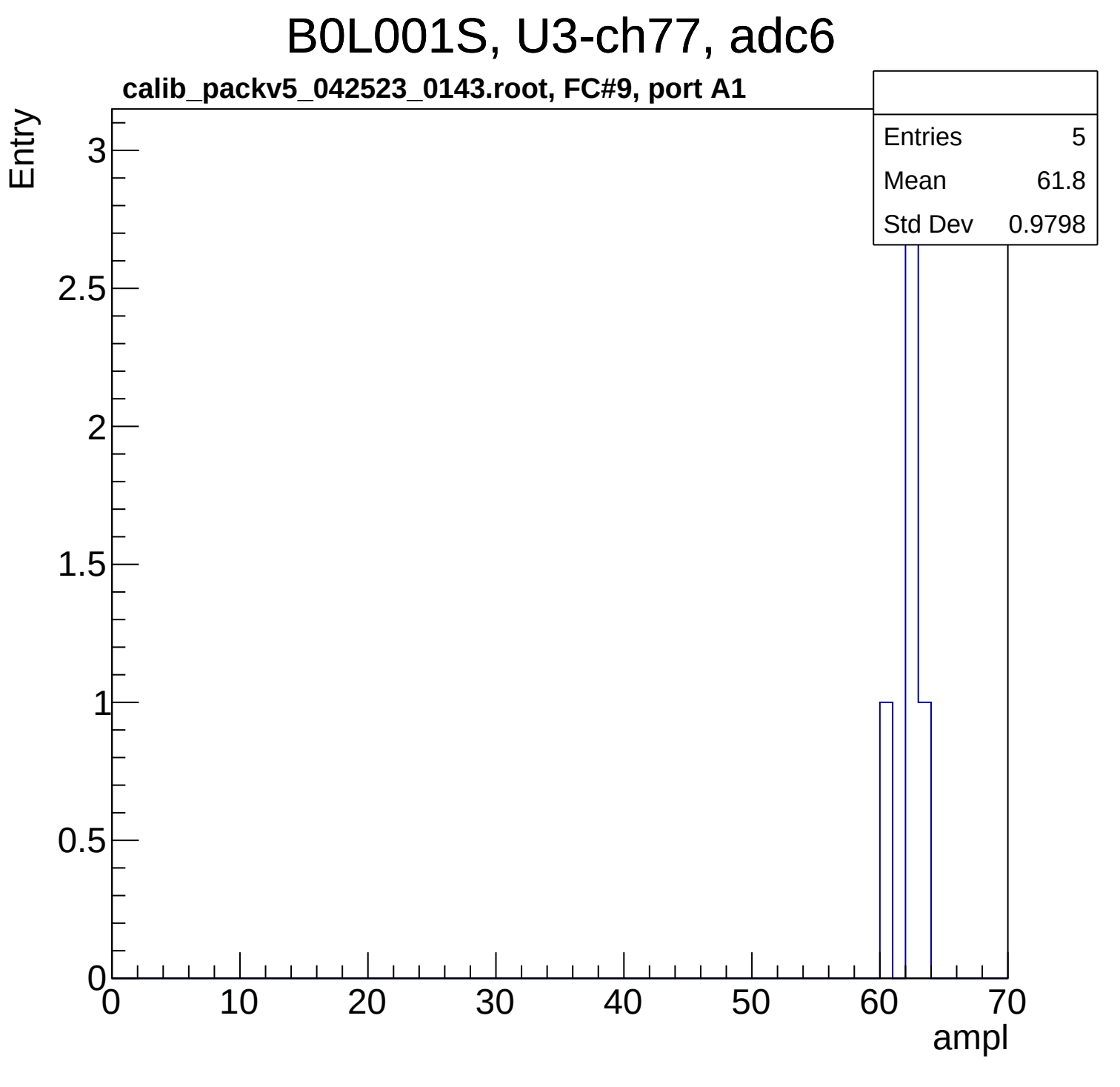
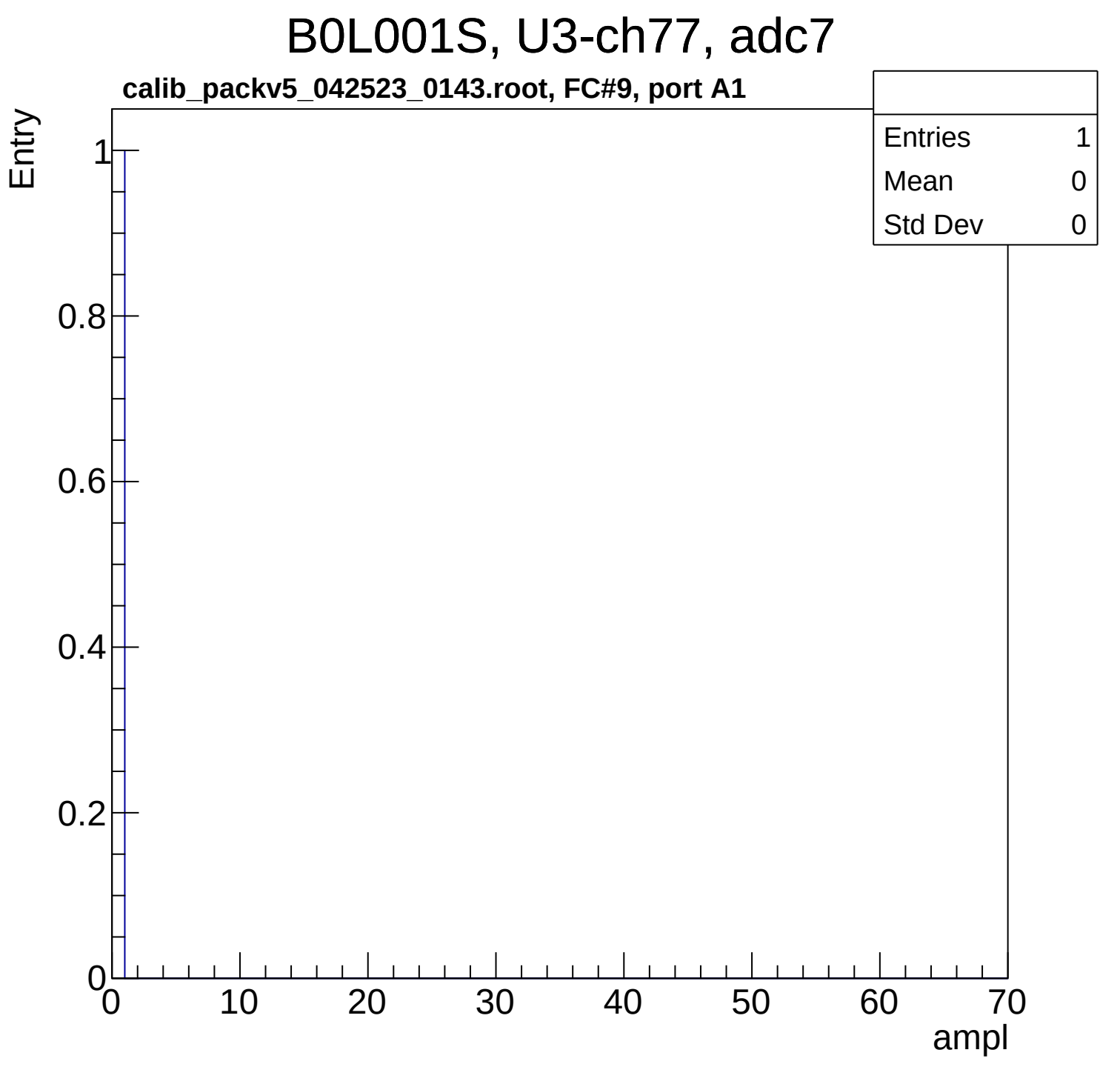
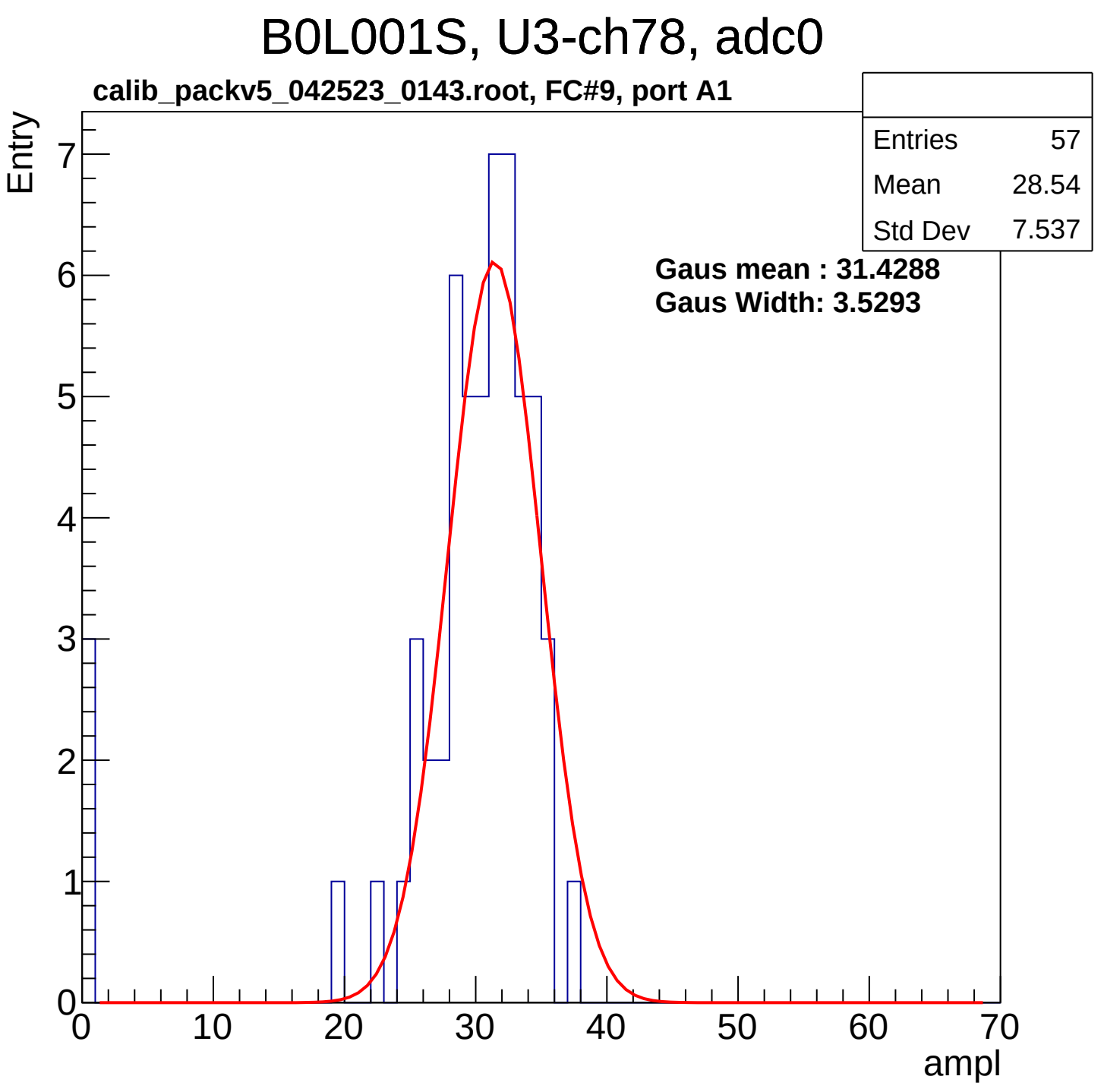
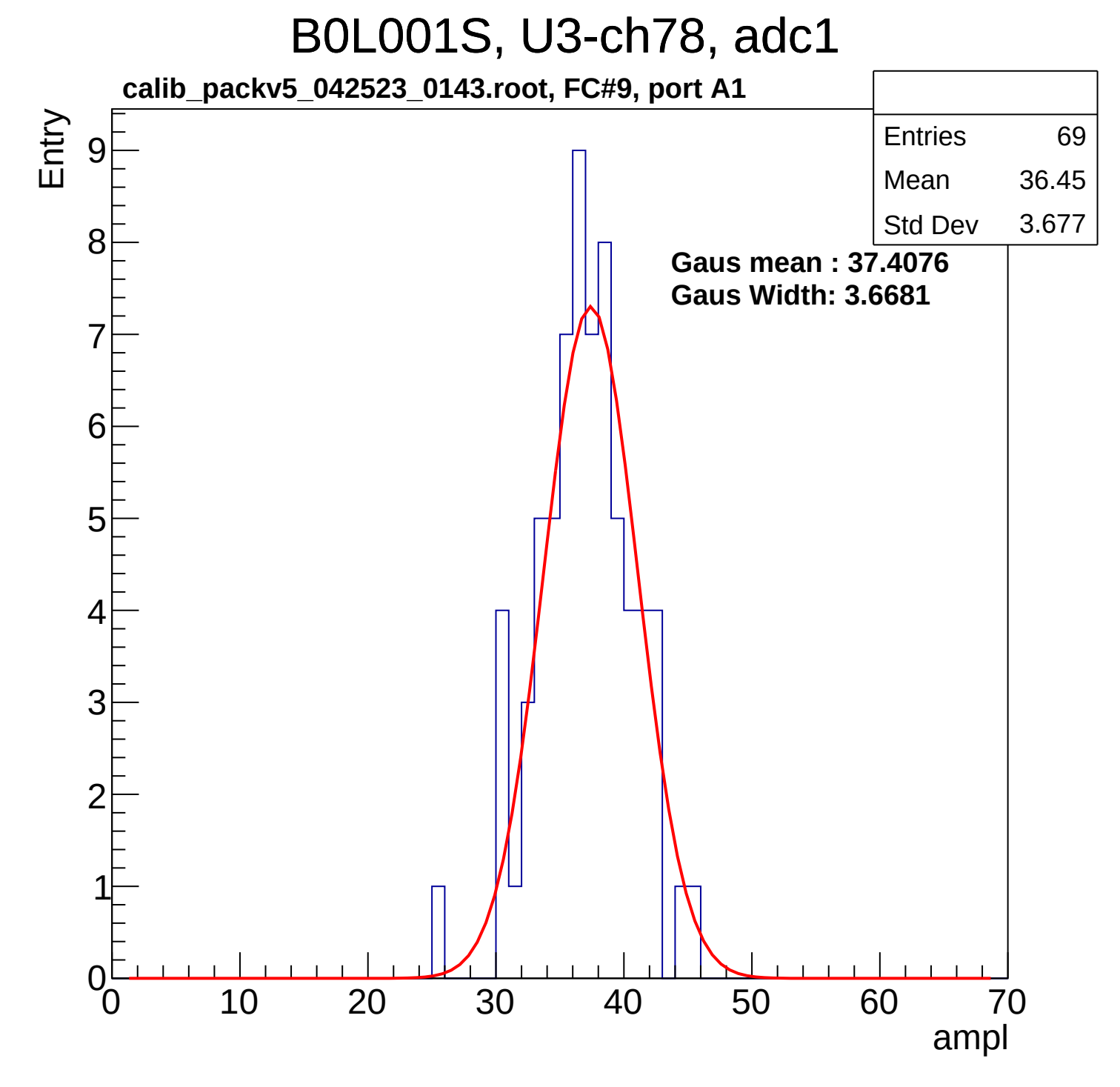

B0L001S, U3-ch77, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 61.8
Std Dev 0.9798
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch77, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch78, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 28.54
Std Dev 7.537
Gaus mean : 31.4288
Gaus Width: 3.5293
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch78, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 36.45
Std Dev 3.677
Gaus mean : 37.4076
Gaus Width: 3.6681
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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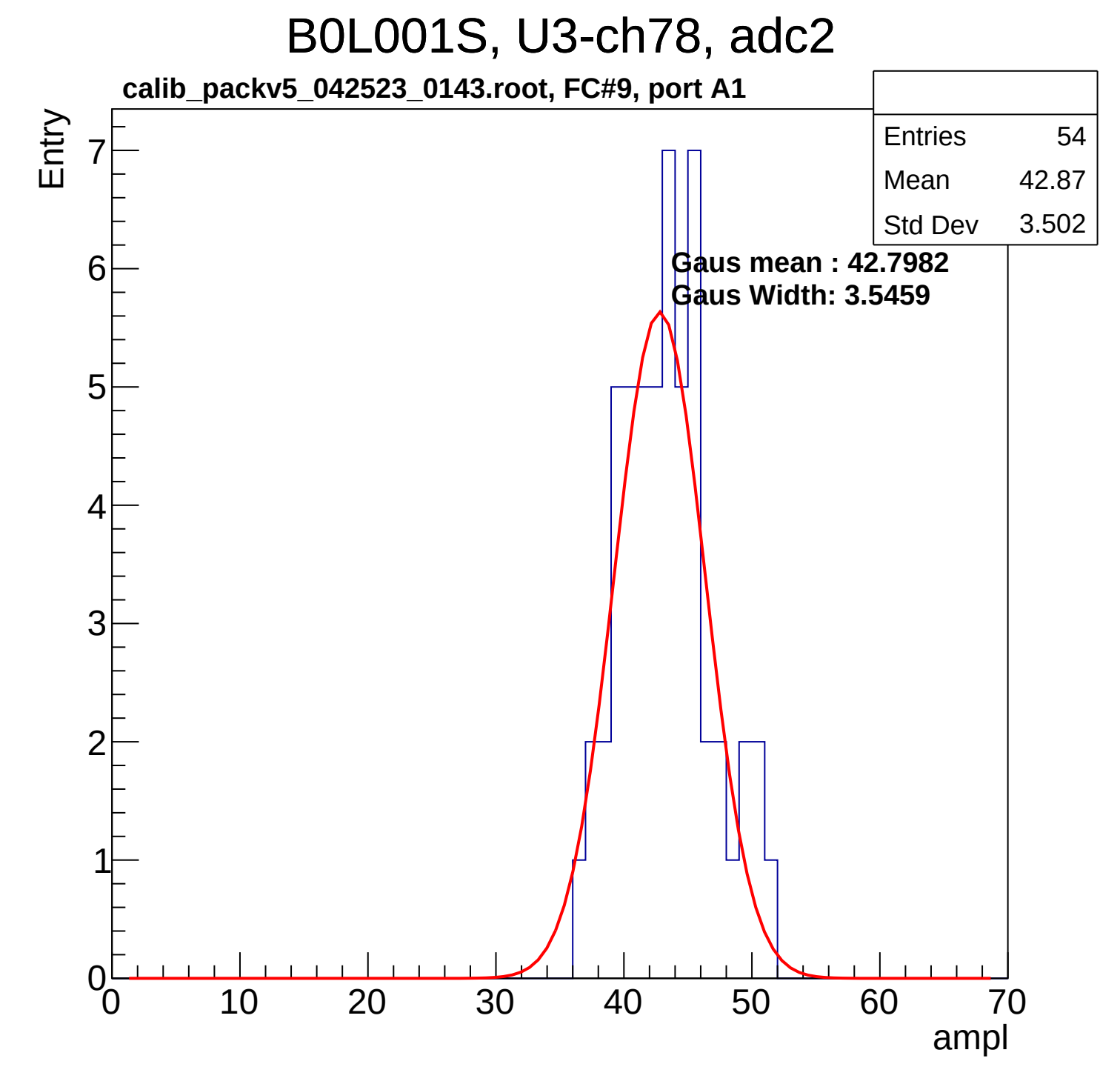
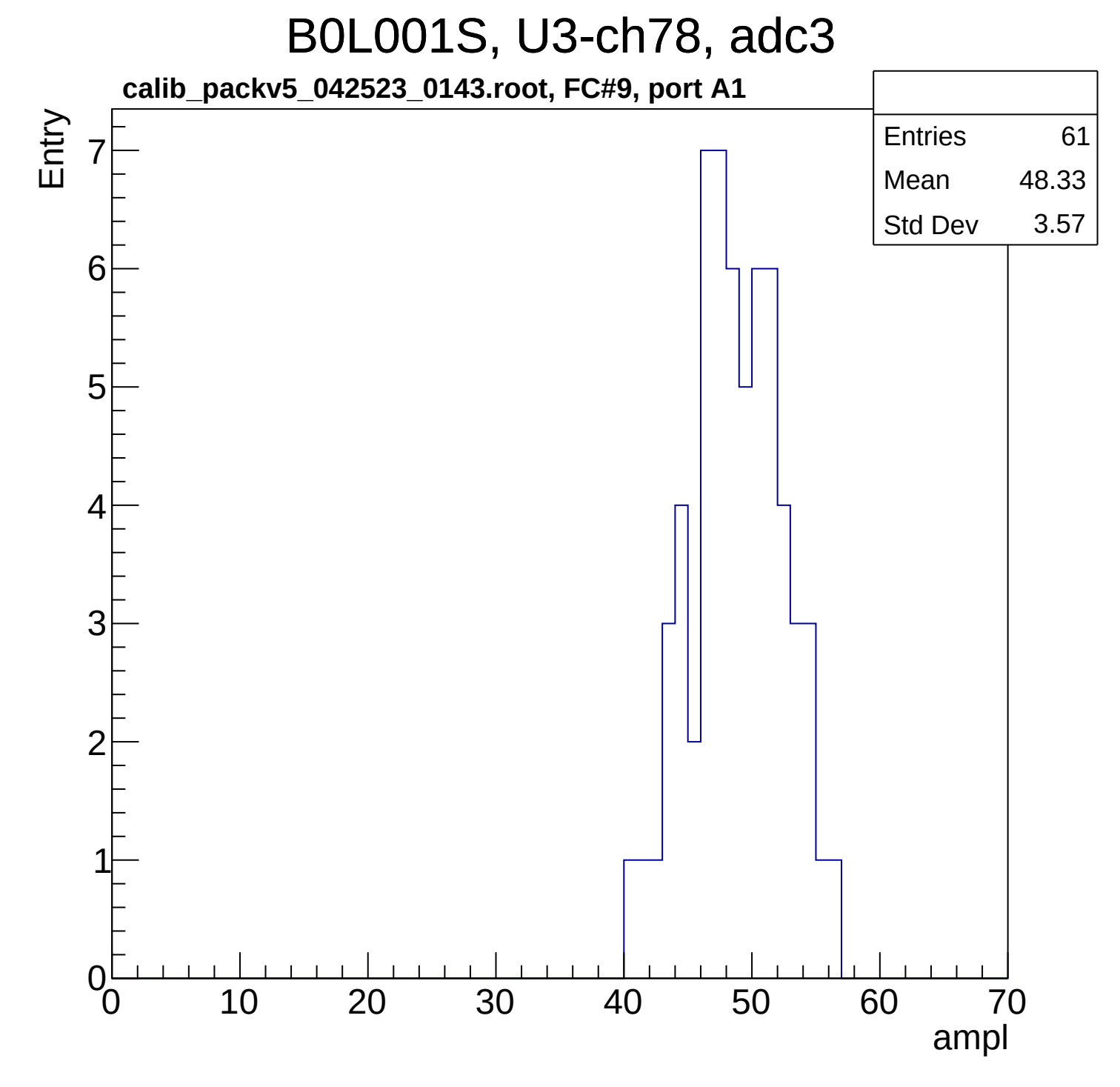
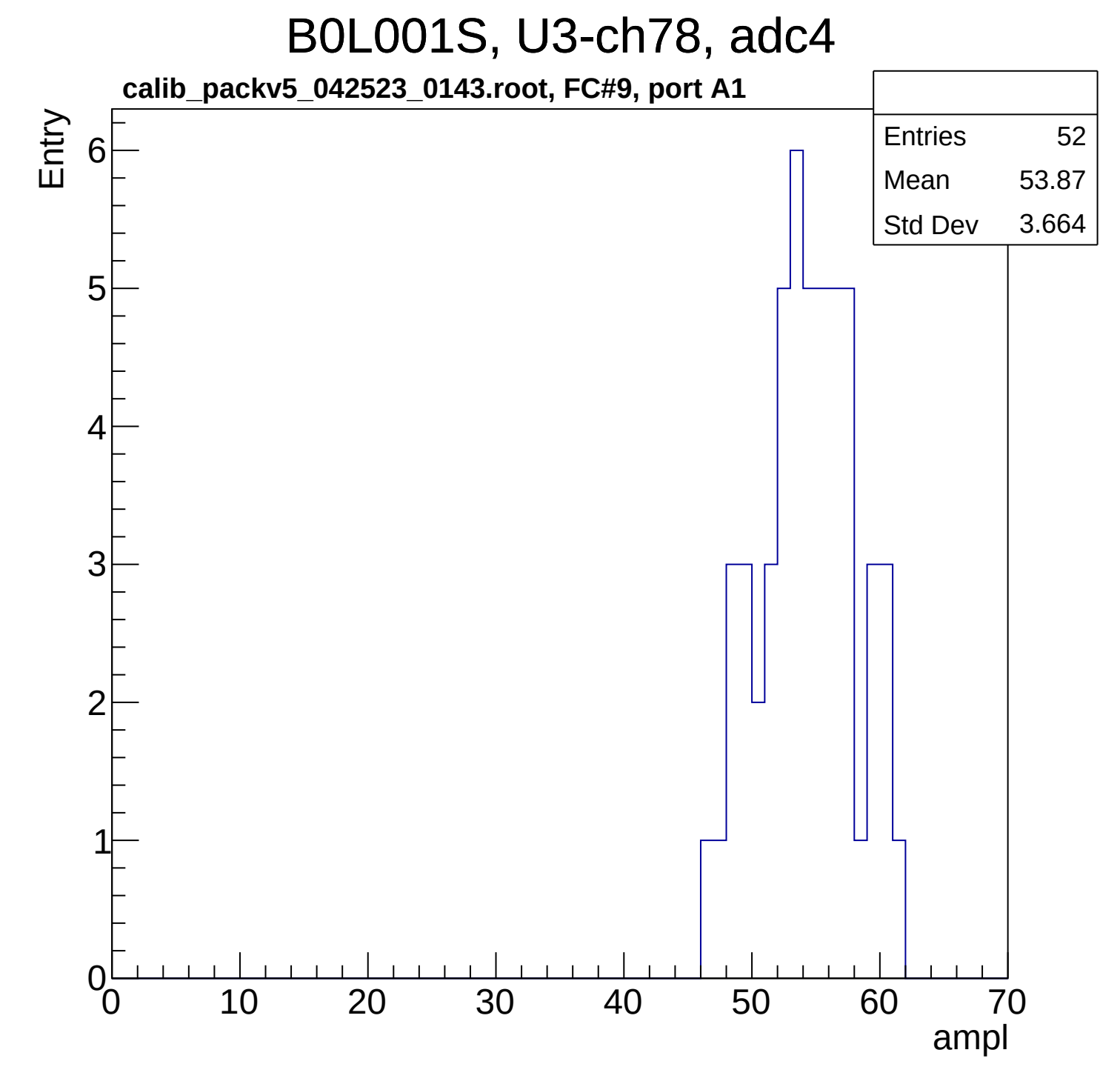
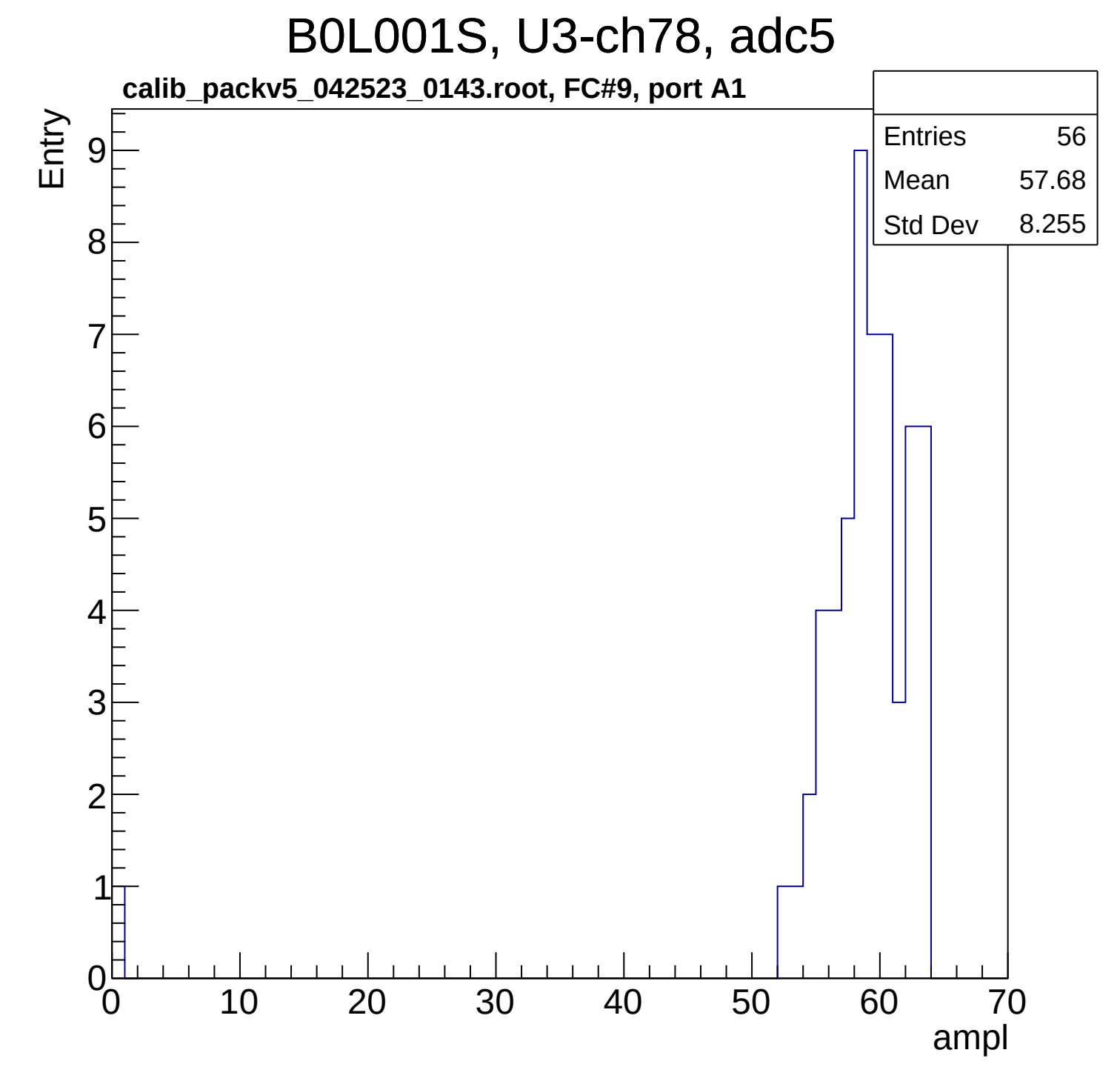
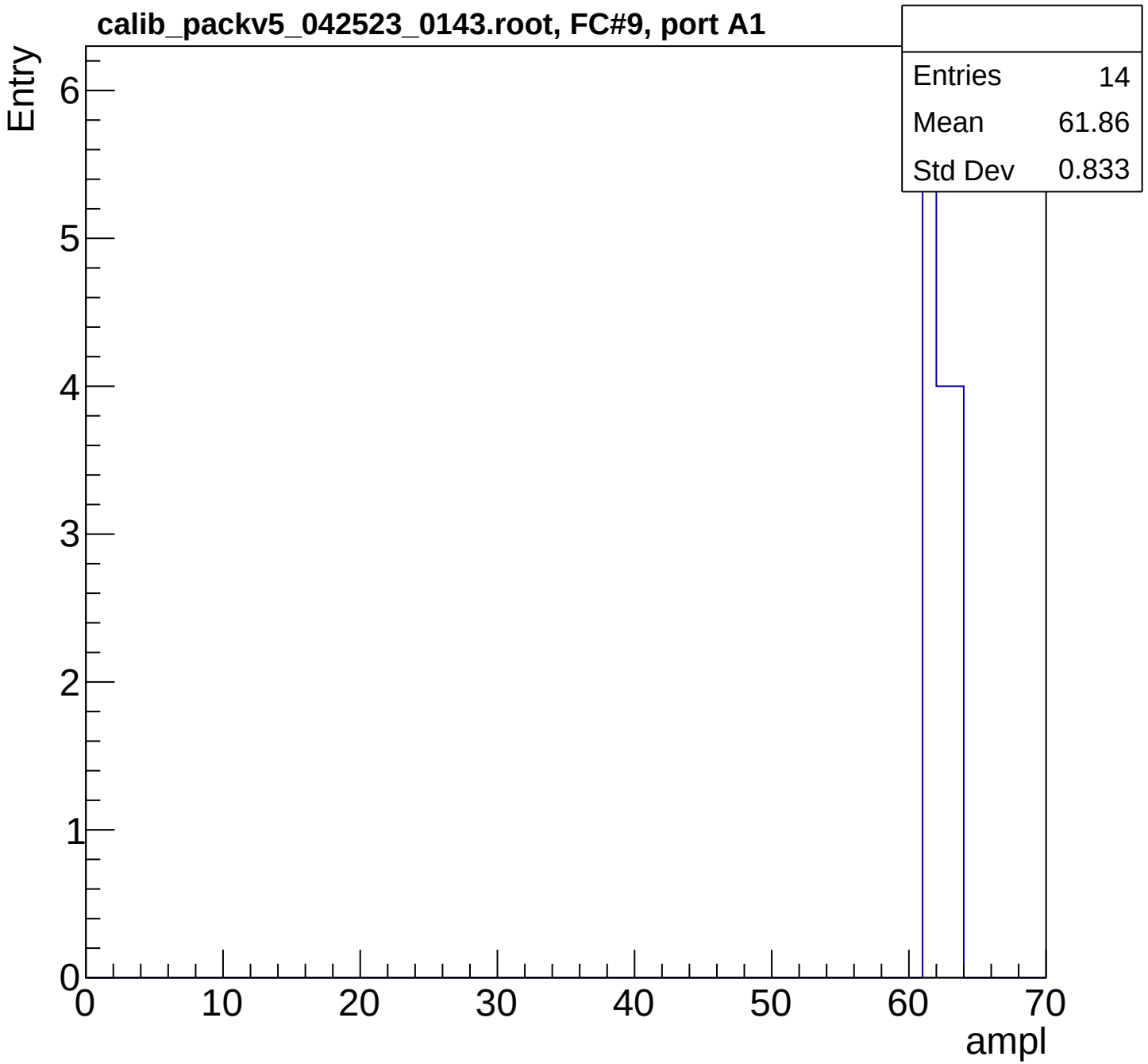
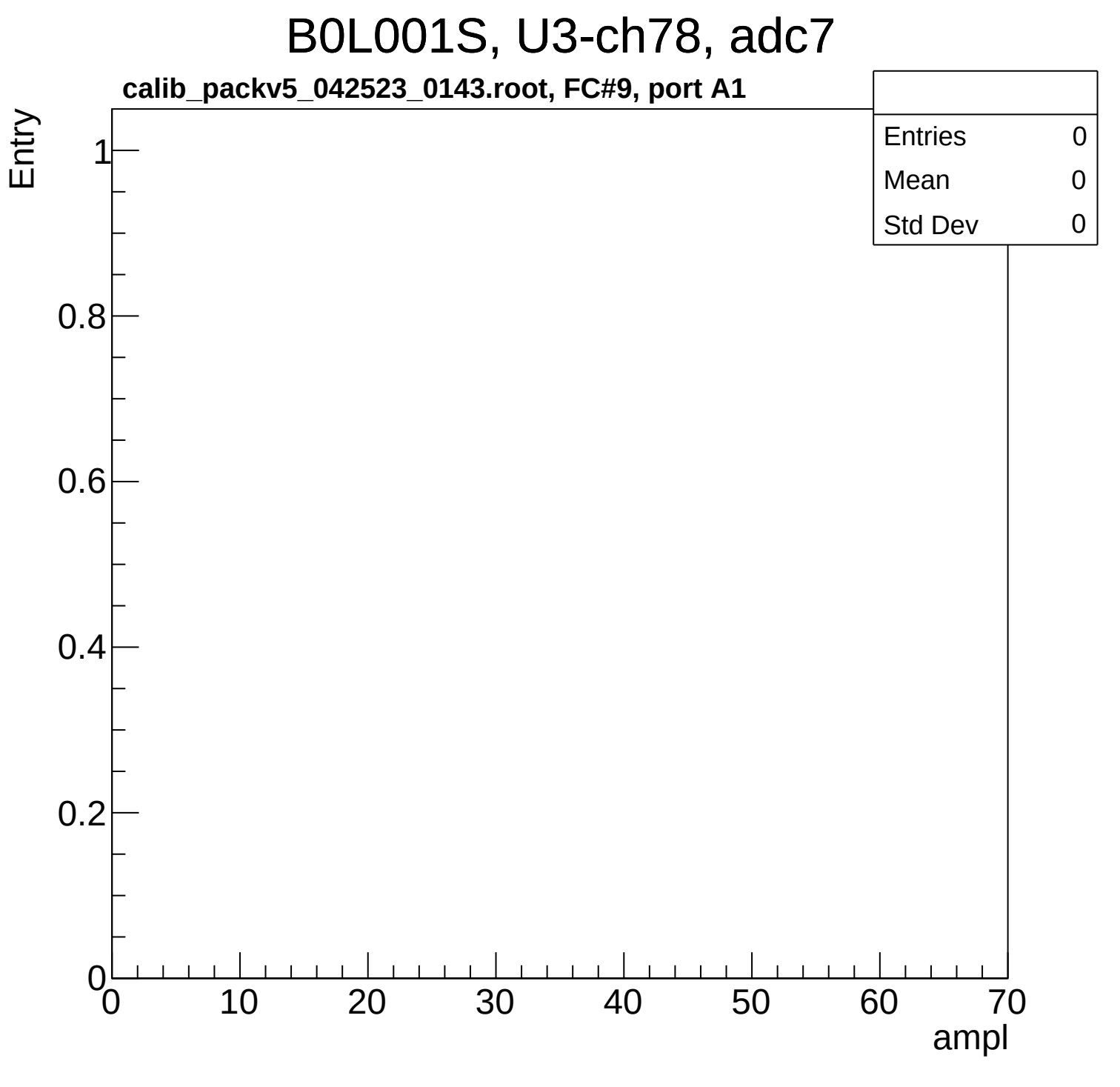

B0L001S, U3-ch78, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 42.87
Std Dev 3.502
Gaus mean : 42.7982
Gaus Width: 3.5459
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

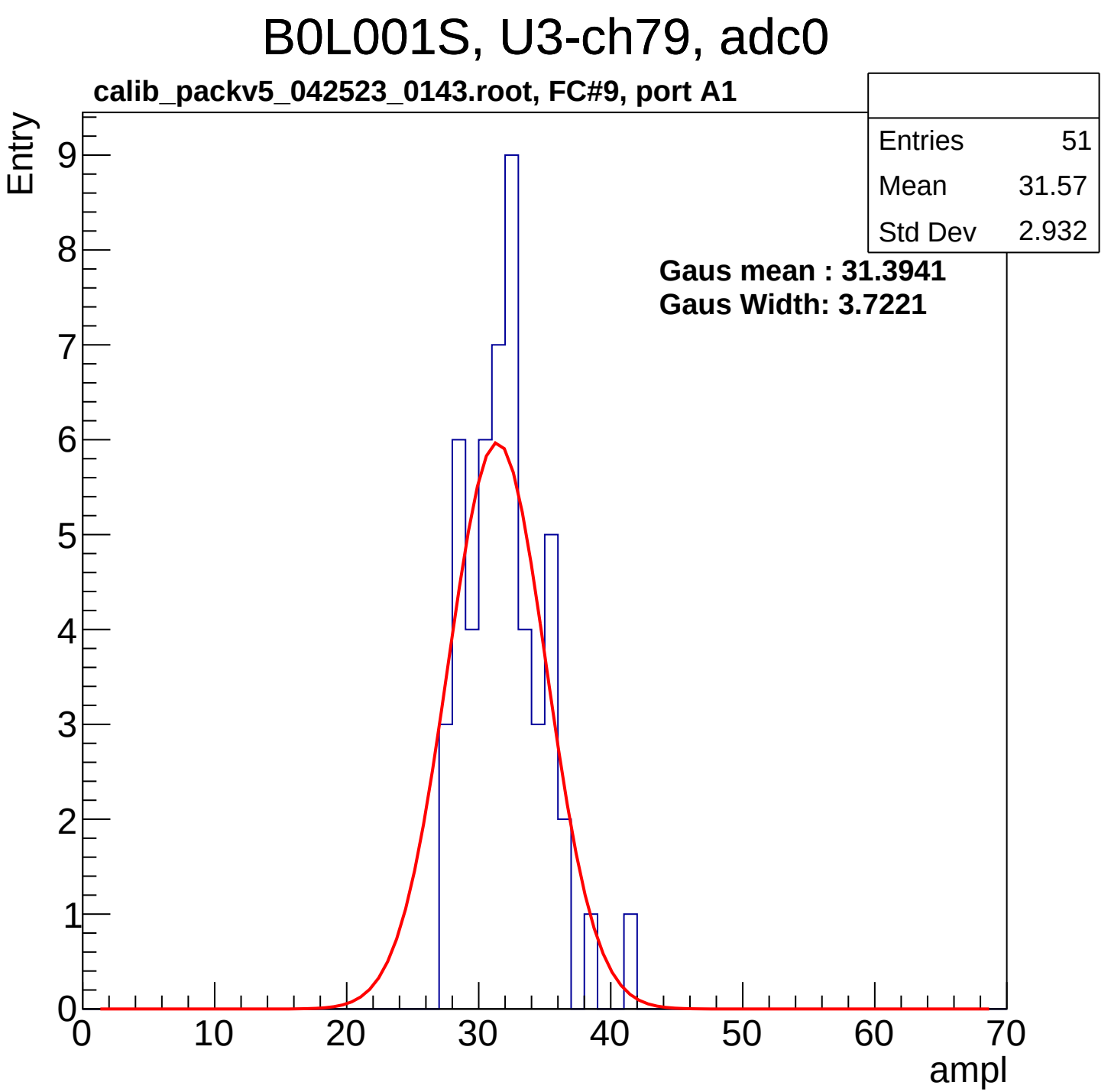

B0L001S, U3-ch78, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 48.33
Std Dev 3.57
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl

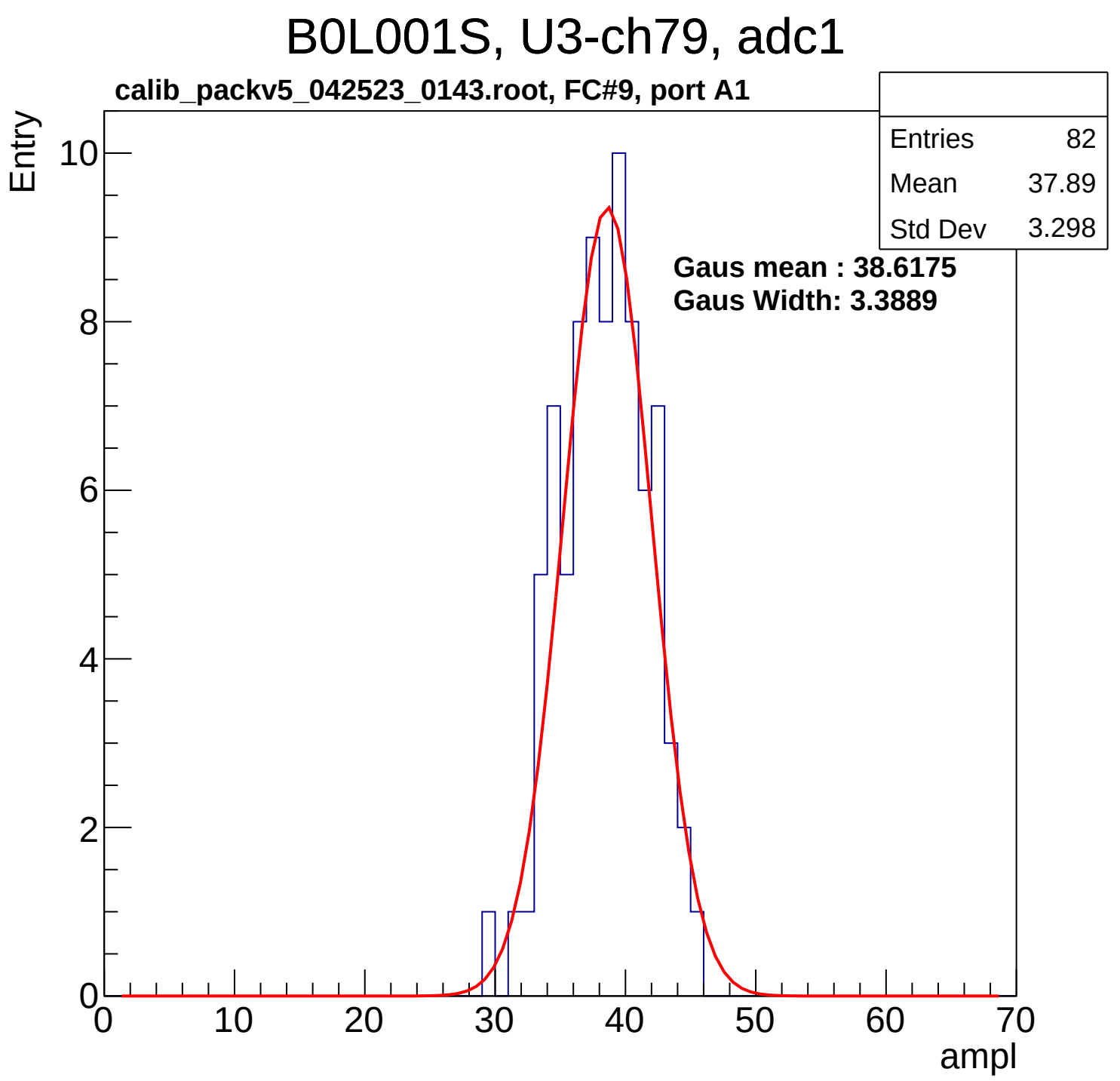

B0L001S, U3-ch78, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 53.87
Std Dev 3.664
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70

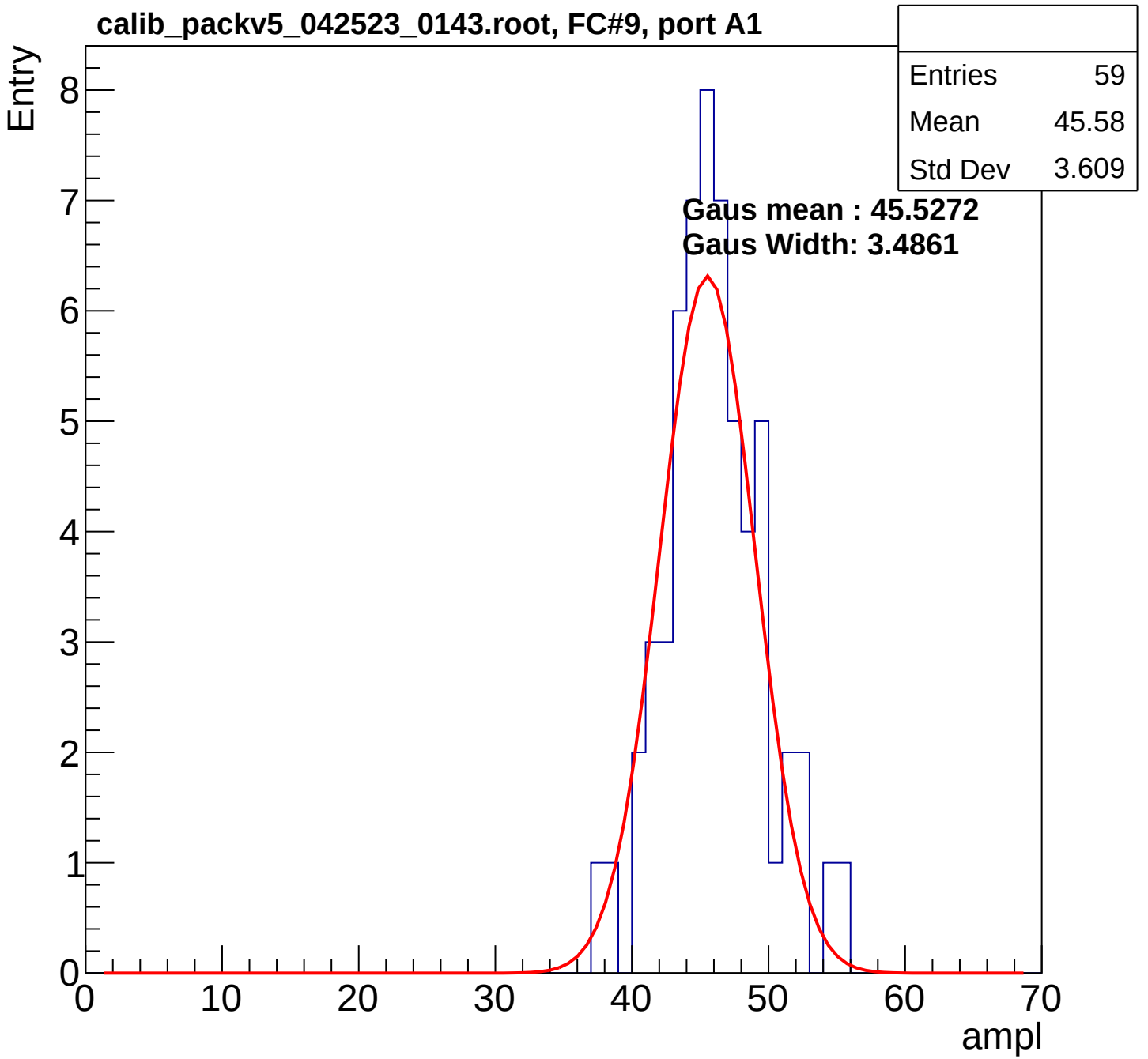

B0L001S, U3-ch78, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 57.68
Std Dev 8.255
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

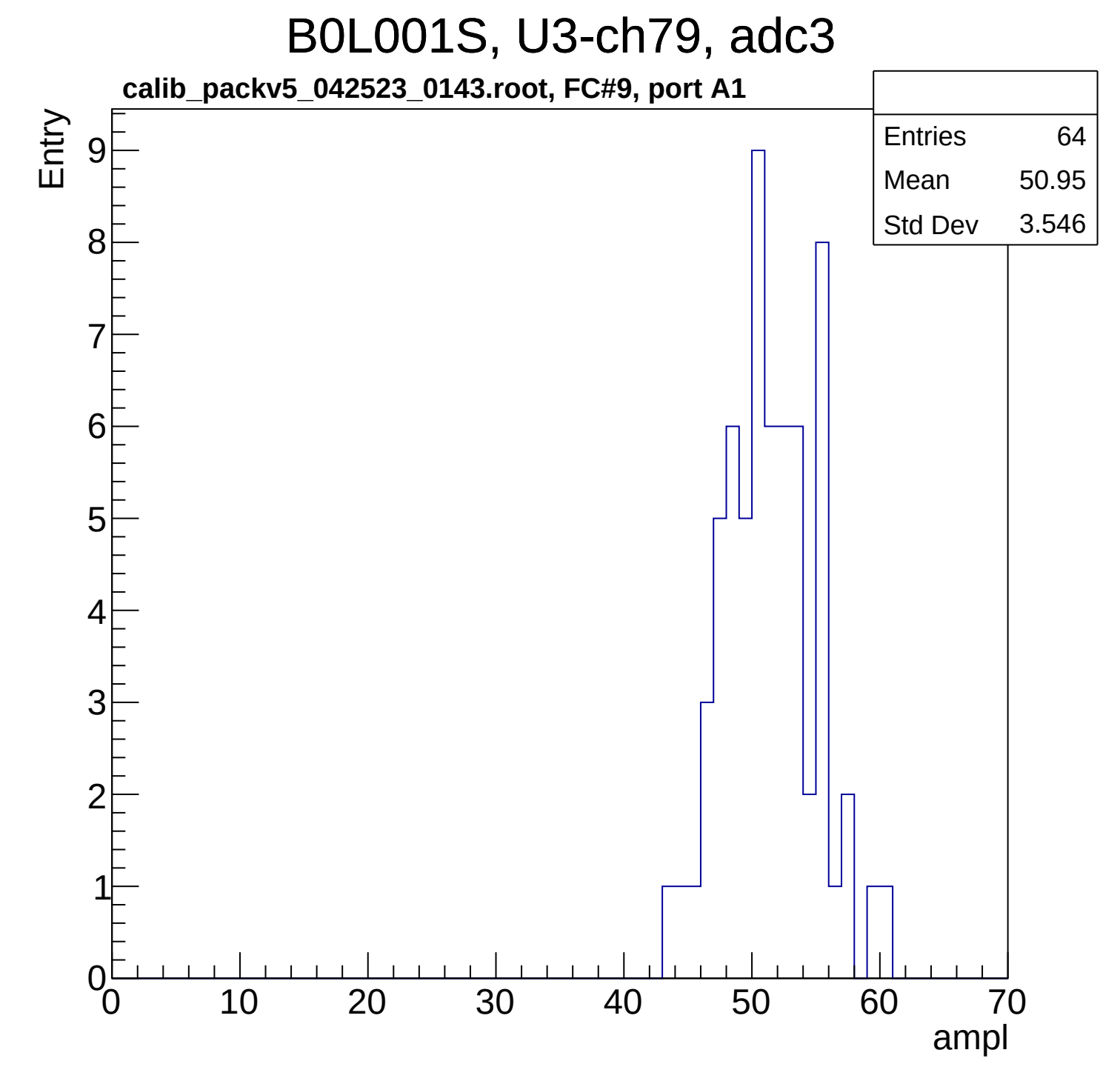

B0L001S, U3-ch78, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 14
Mean 61.86
Std Dev 0.833
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch78, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch79, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 31.57
Std Dev 2.932
Gaus mean : 31.3941
Gaus Width: 3.7221
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch79, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 37.89
Std Dev 3.298
Gaus mean : 38.6175
Gaus Width: 3.3889
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch79, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 45.58
Std Dev 3.609
Gaus mean : 45.5272
Gaus Width: 3.4861
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch79, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 50.95
Std Dev 3.546
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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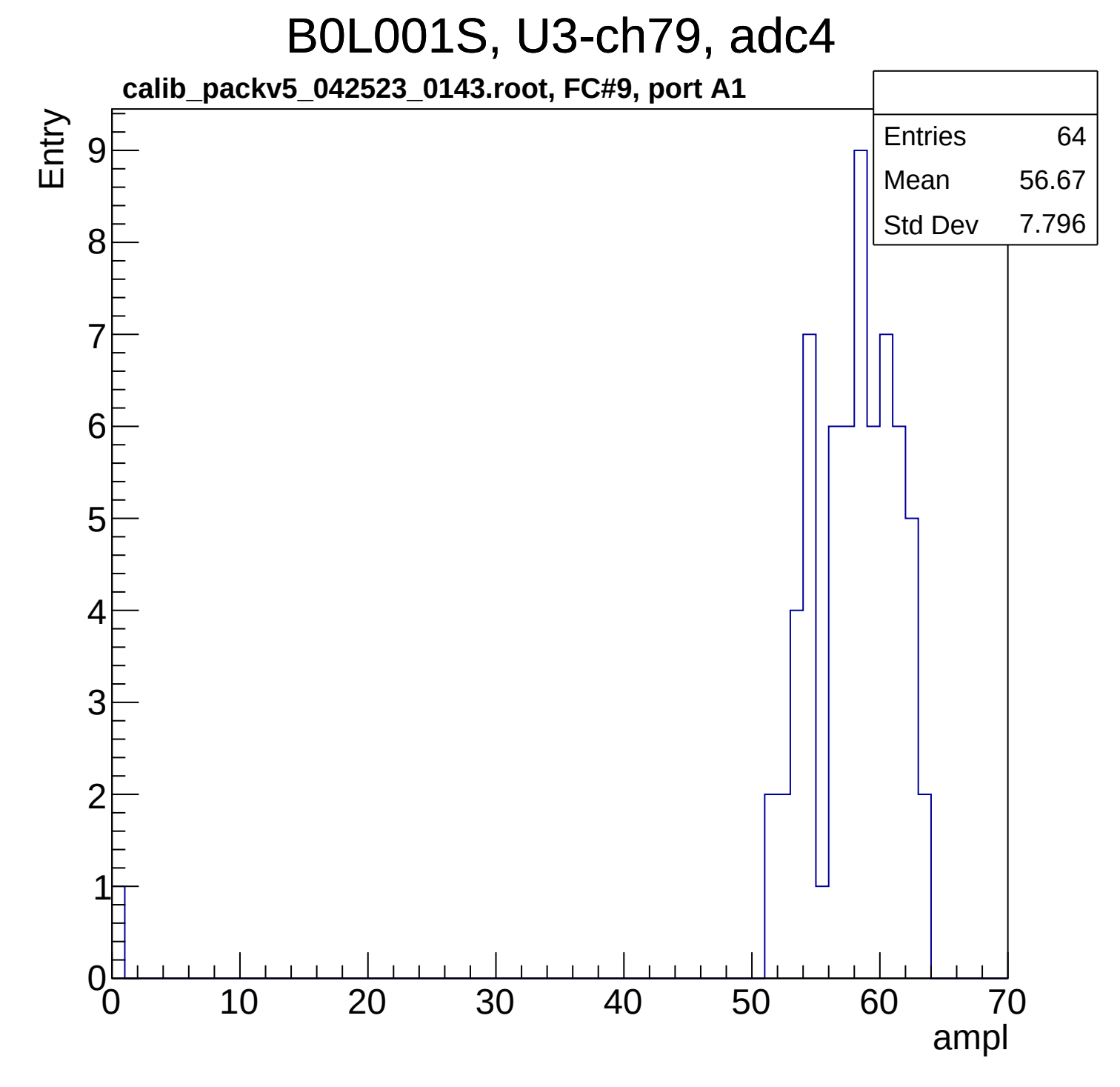
B0L001S, U3-ch79, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 56.67
Std Dev 7.796
Entry
ampl
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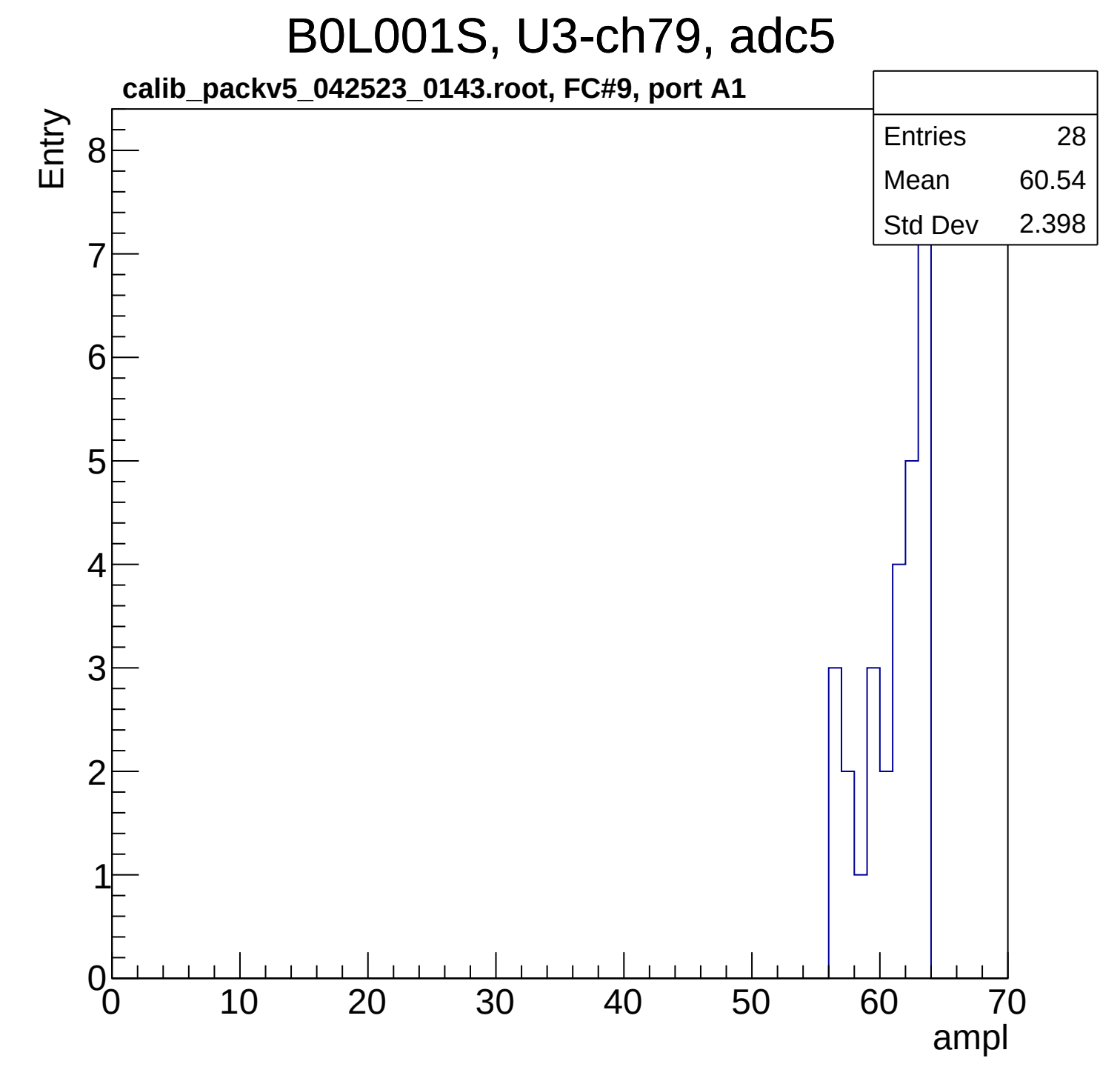
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch79, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 28
Mean 60.54
Std Dev 2.398
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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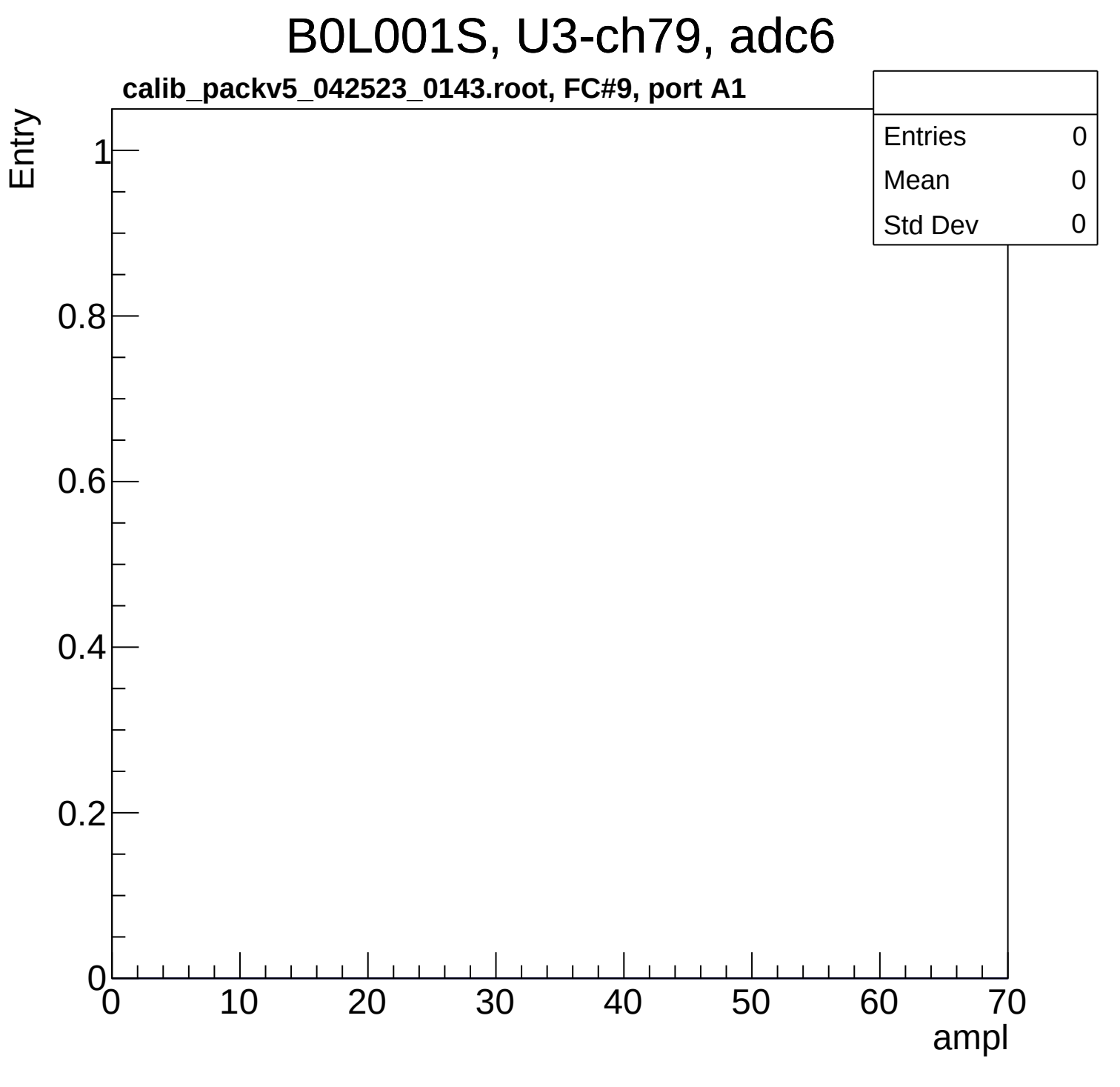
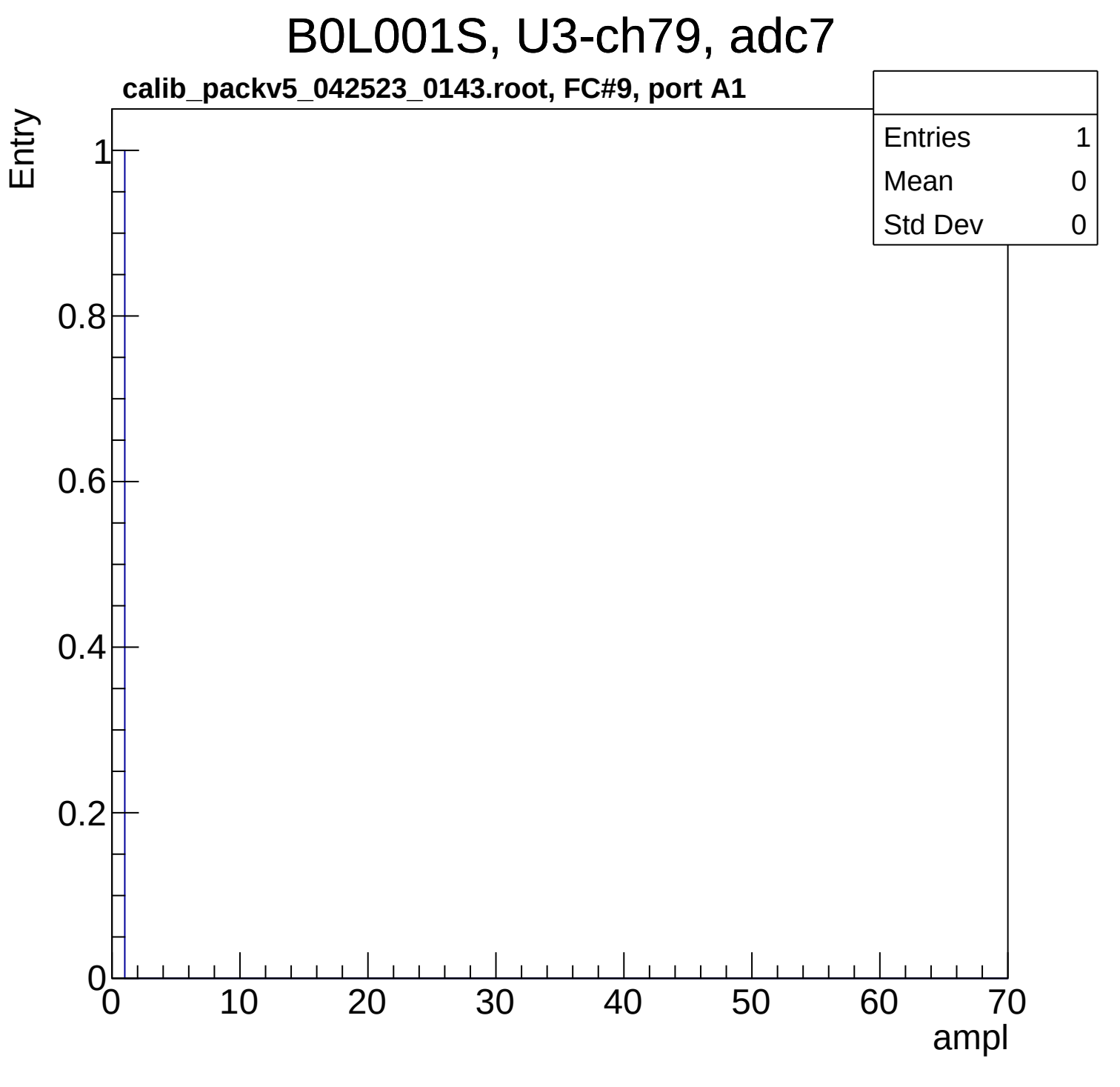
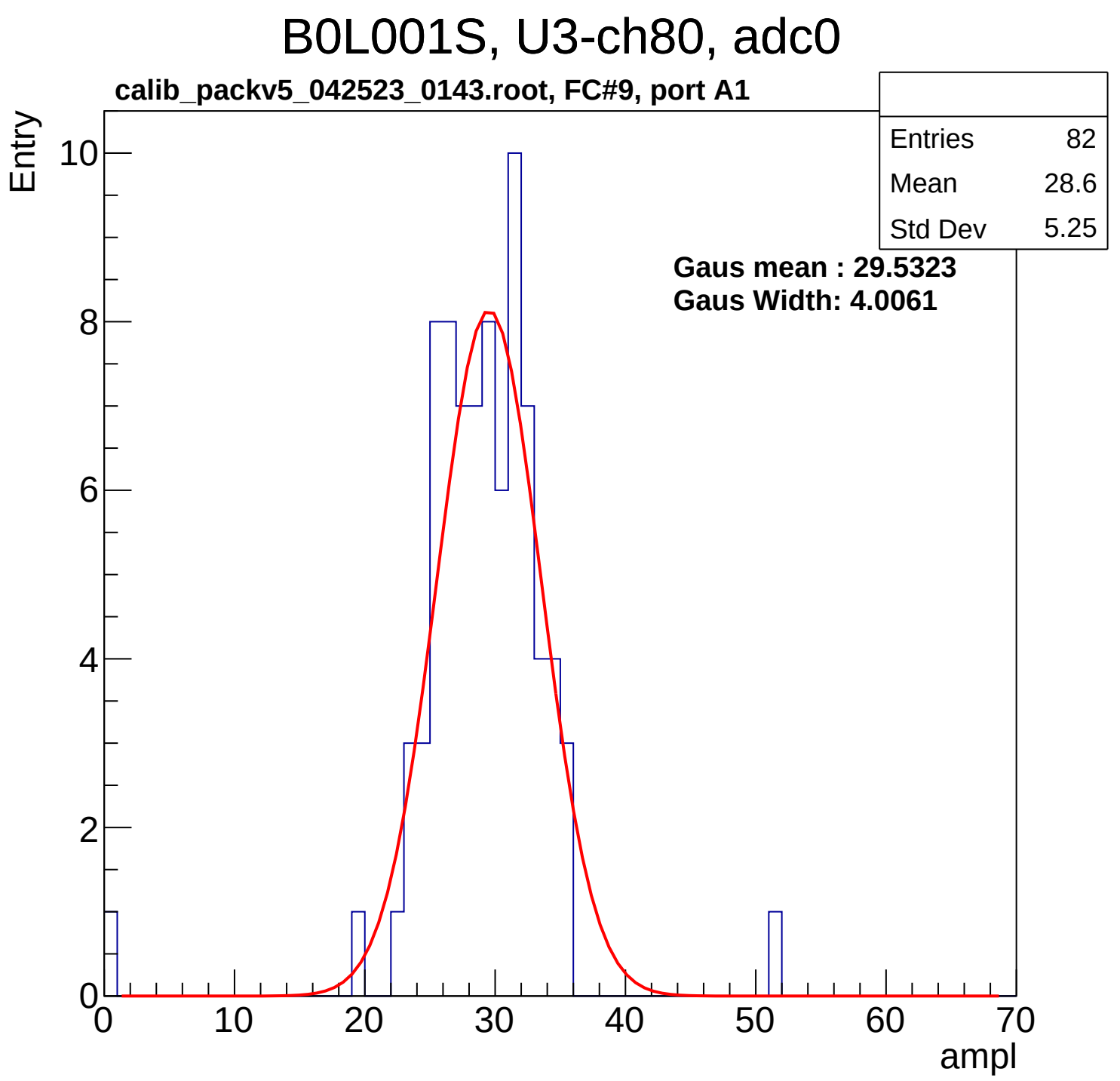
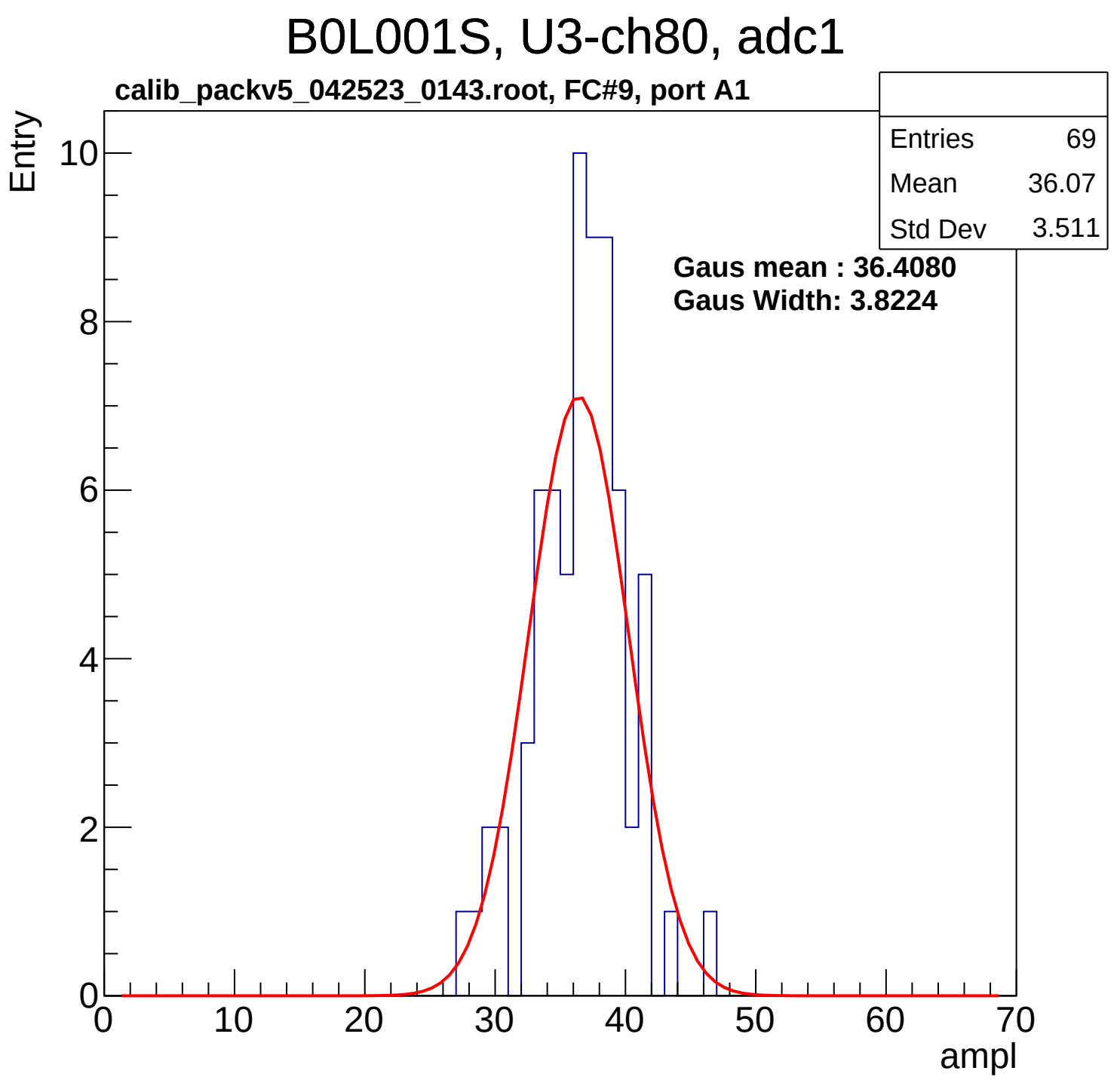
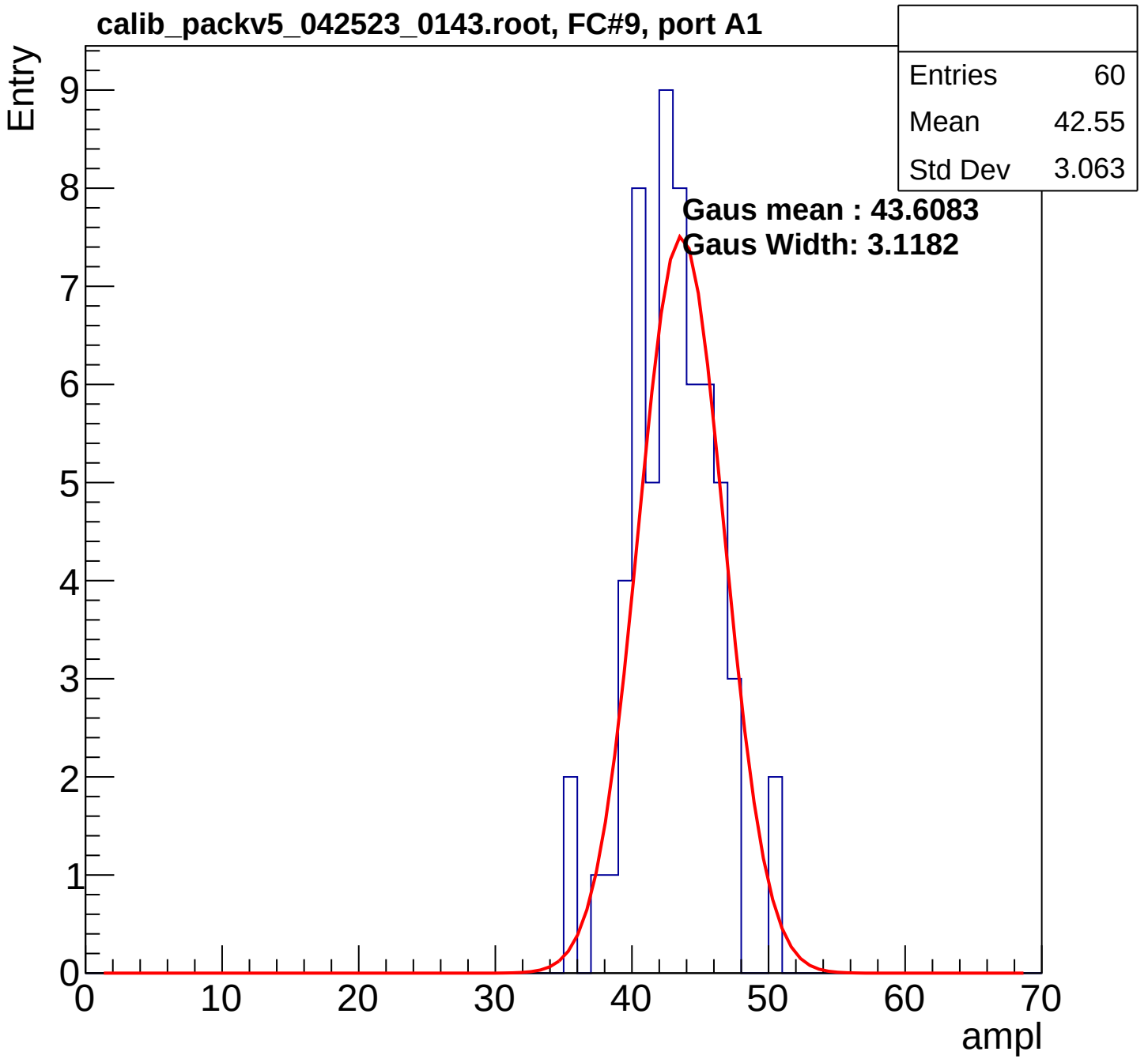

B0L001S, U3-ch79, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch79, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch80, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 28.6
Std Dev 5.25
Gaus mean : 29.5323
Gaus Width: 4.0061
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch80, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 36.07
Std Dev 3.511
Gaus mean : 36.4080
Gaus Width: 3.8224
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch80, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 42.55
Std Dev 3.063
Gaus mean : 43.6083
Gaus Width: 3.1182
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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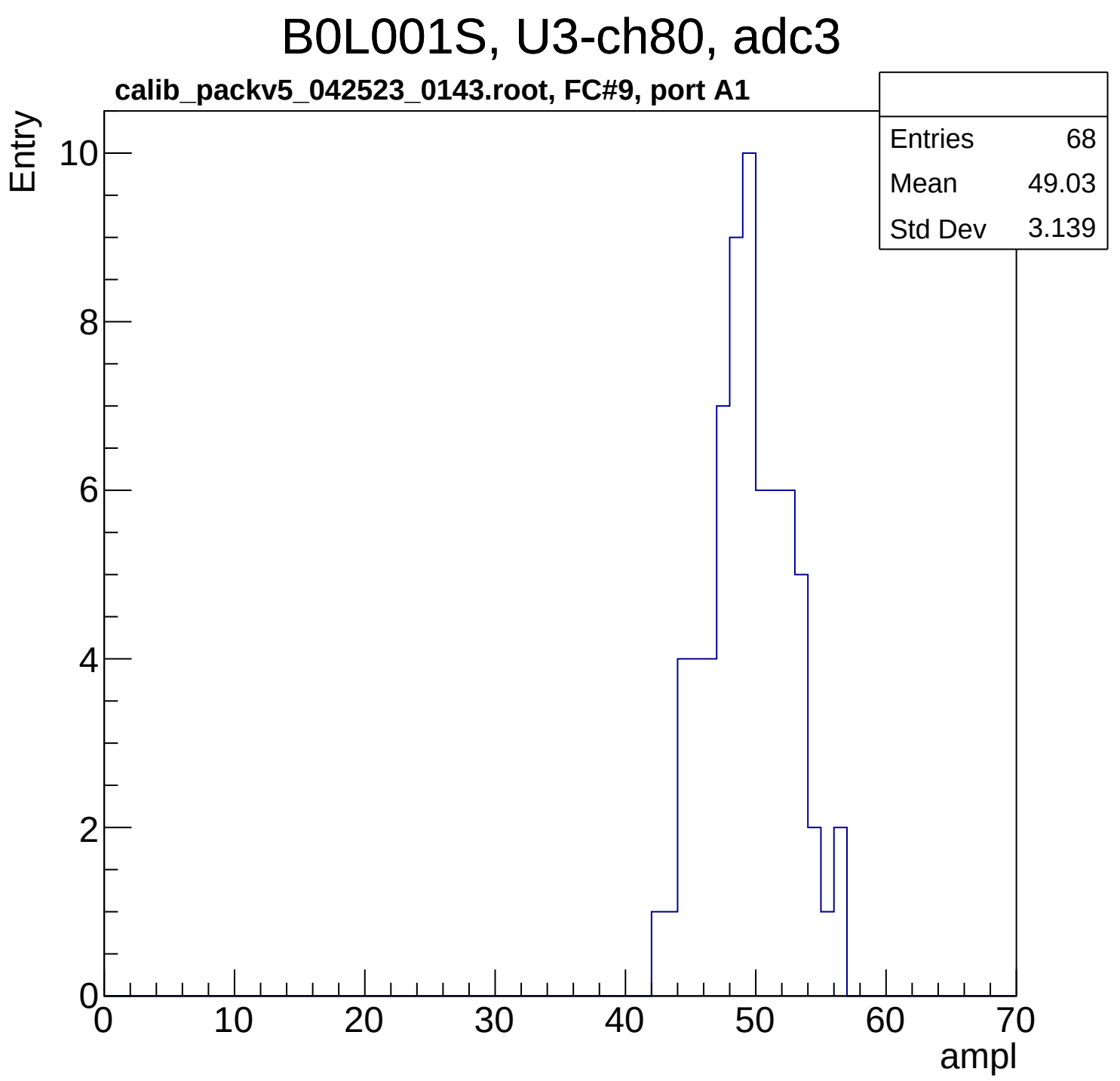
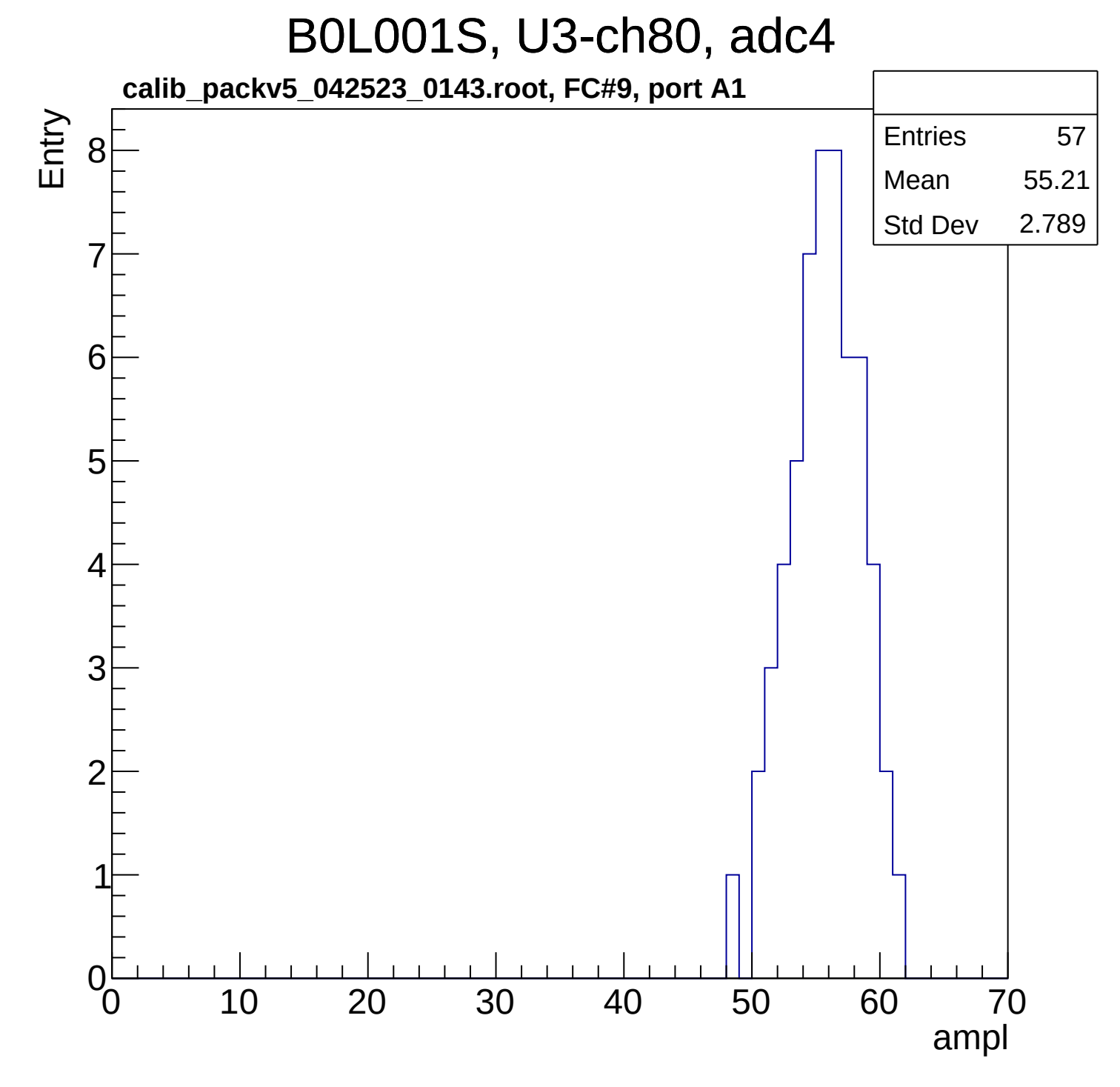

B0L001S, U3-ch80, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 49.03
Std Dev 3.139
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch80, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 55.21
Std Dev 2.789
Entry
ampl
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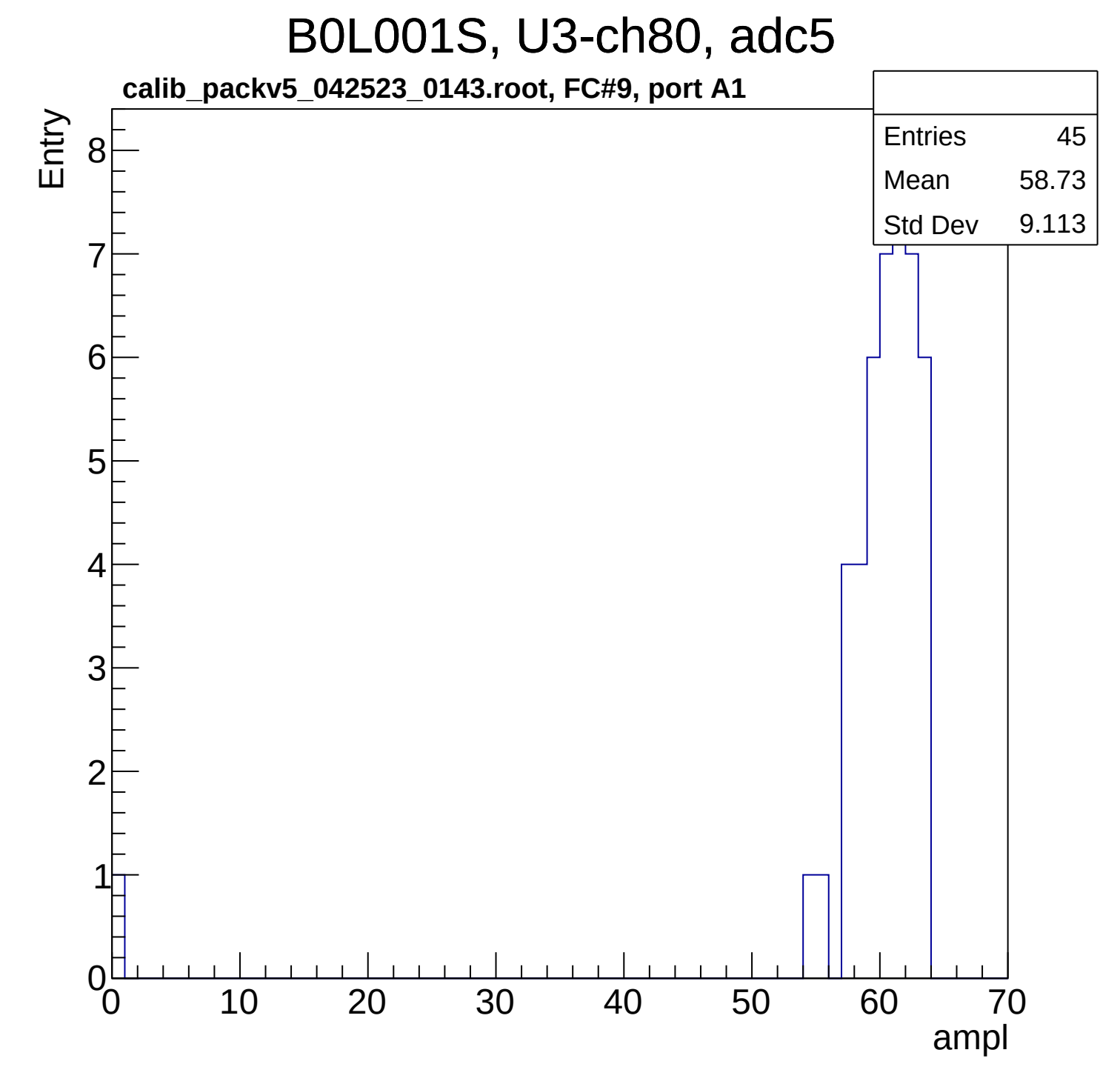
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch80, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 58.73
Std Dev 9.113
Entry
ampl
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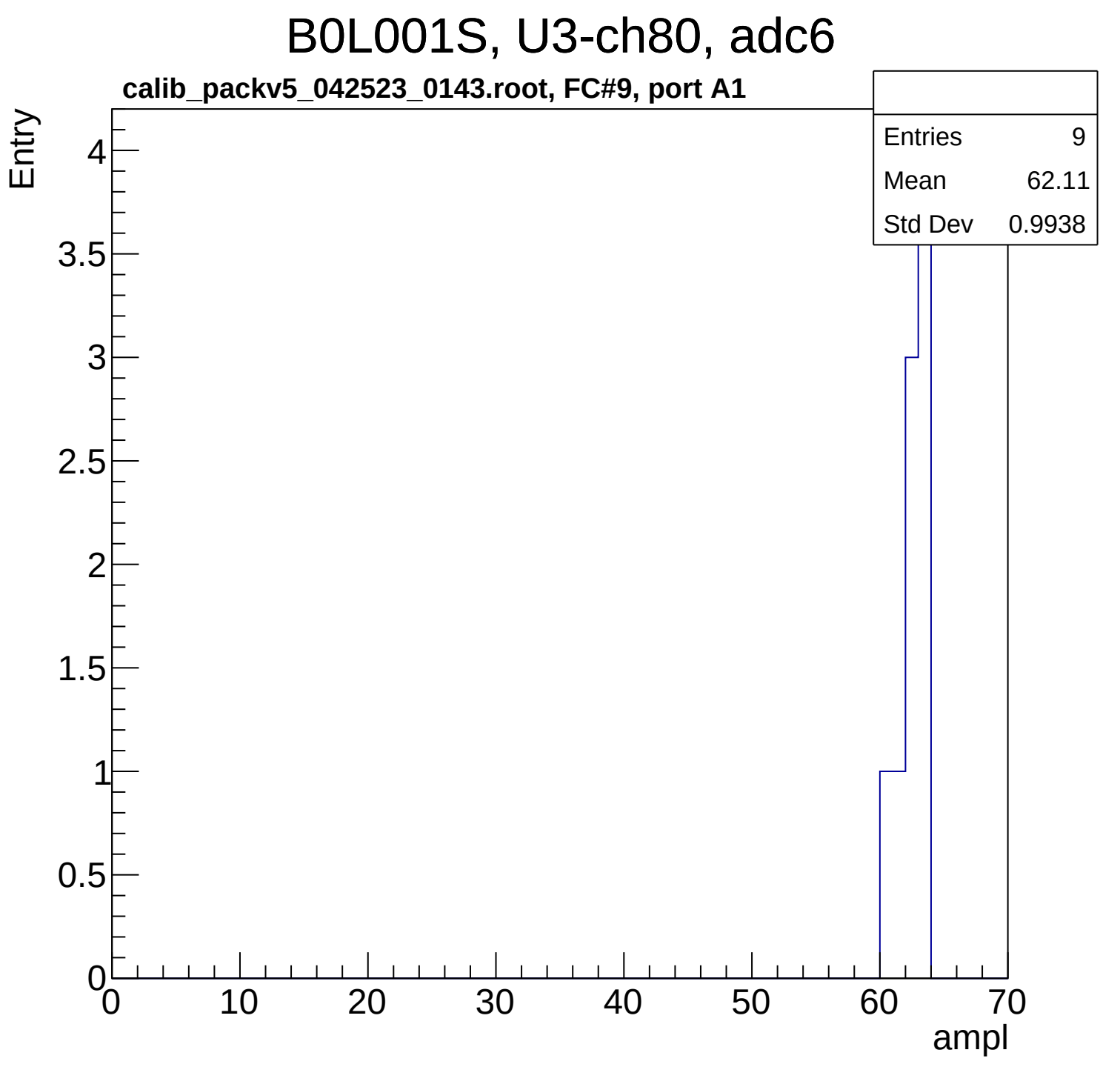
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch80, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 62.11
Std Dev 0.9938
Entry
ampl
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1.5
2
2.5
3
3.5
4
0
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20
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50
60
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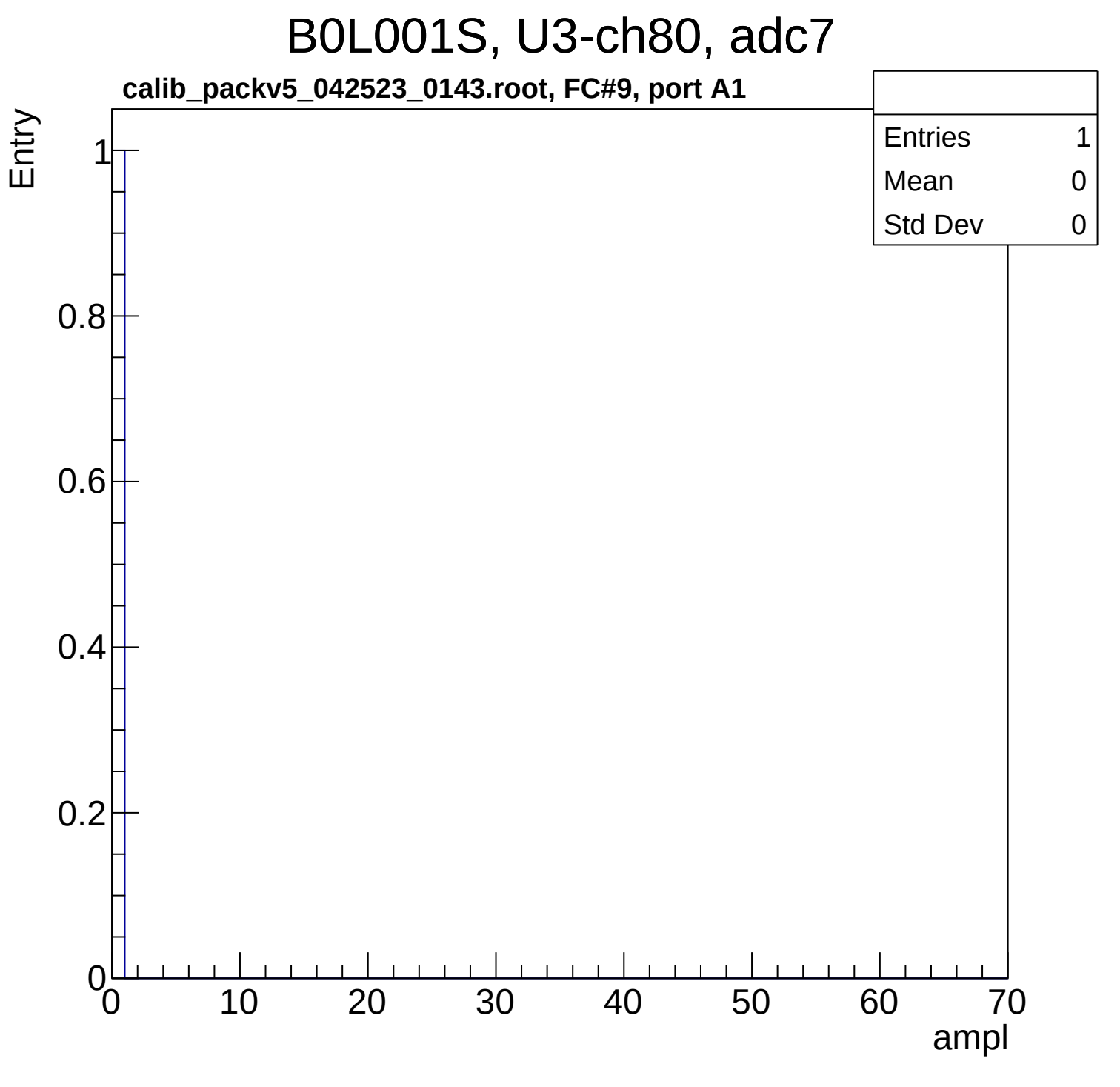
B0L001S, U3-ch80, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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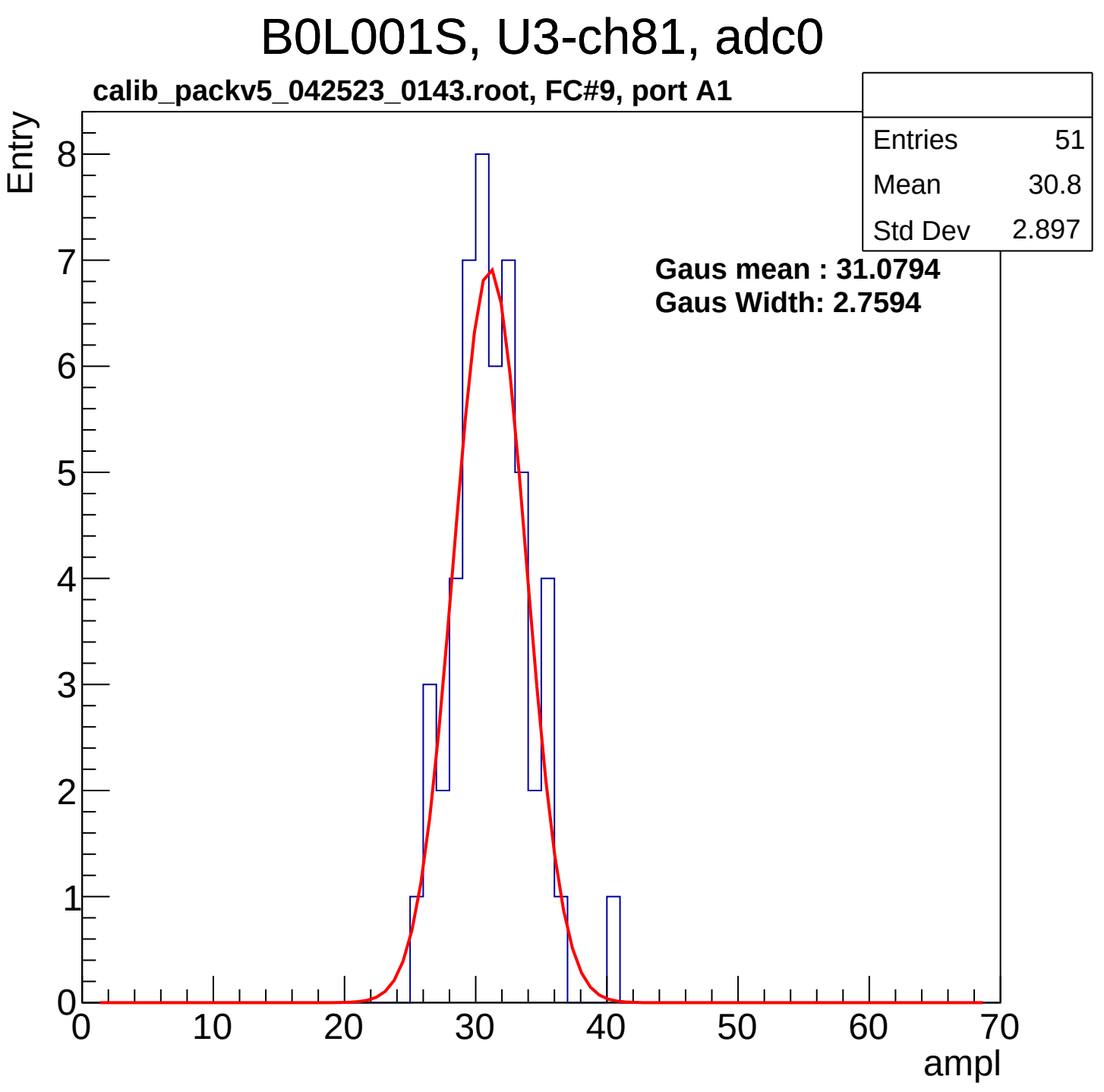
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch81, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 30.8
Std Dev 2.897
Gaus mean : 31.0794
Gaus Width: 2.7594
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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60
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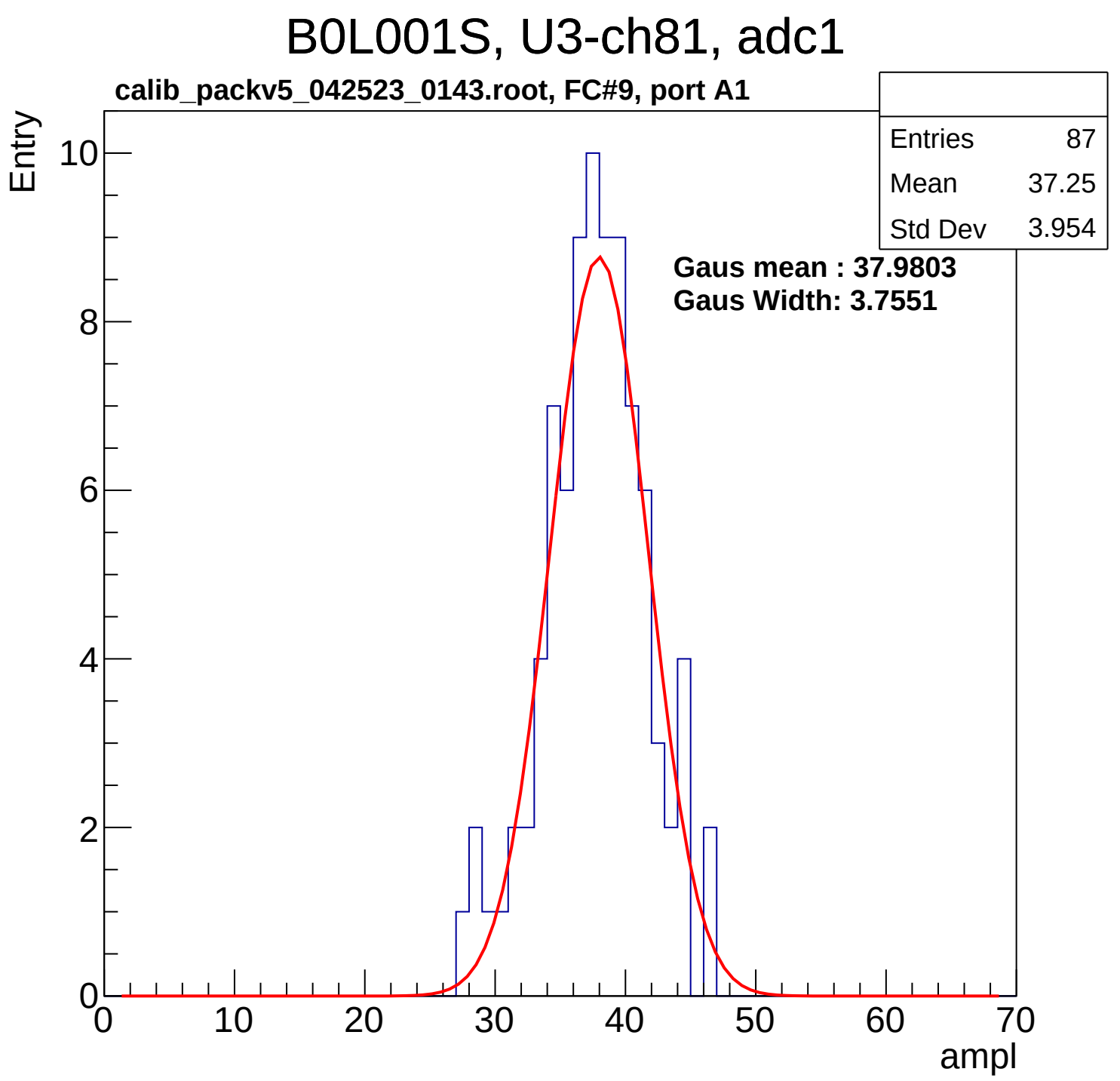
B0L001S, U3-ch81, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 87
Mean 37.25
Std Dev 3.954
Gaus mean : 37.9803
Gaus Width: 3.7551
Entry
ampl
0
2
4
6
8
10
0
10
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30
40
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60
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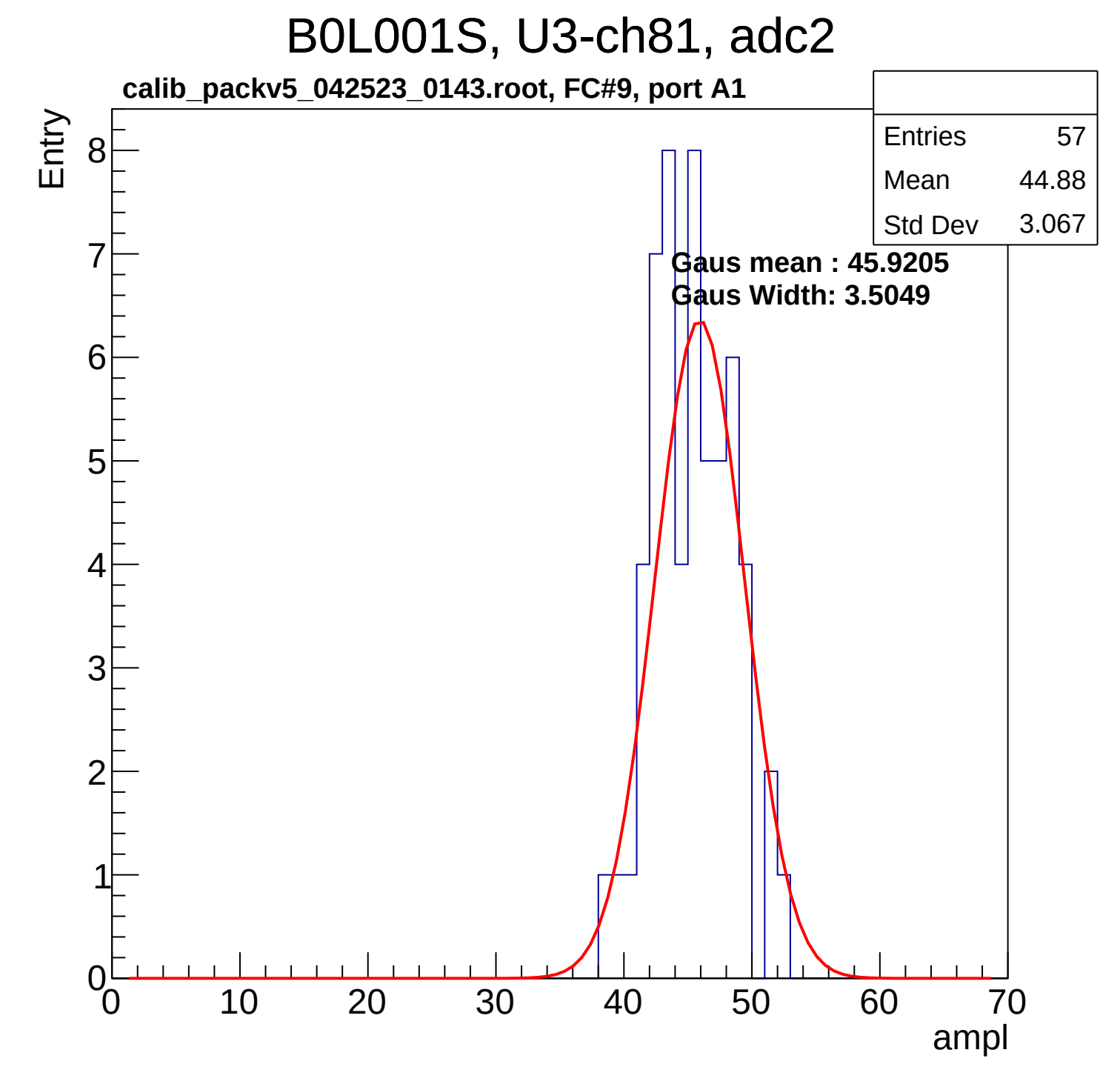
B0L001S, U3-ch81, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 44.88
Std Dev 3.067
Gaus mean : 45.9205
Gaus Width: 3.5049
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
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60
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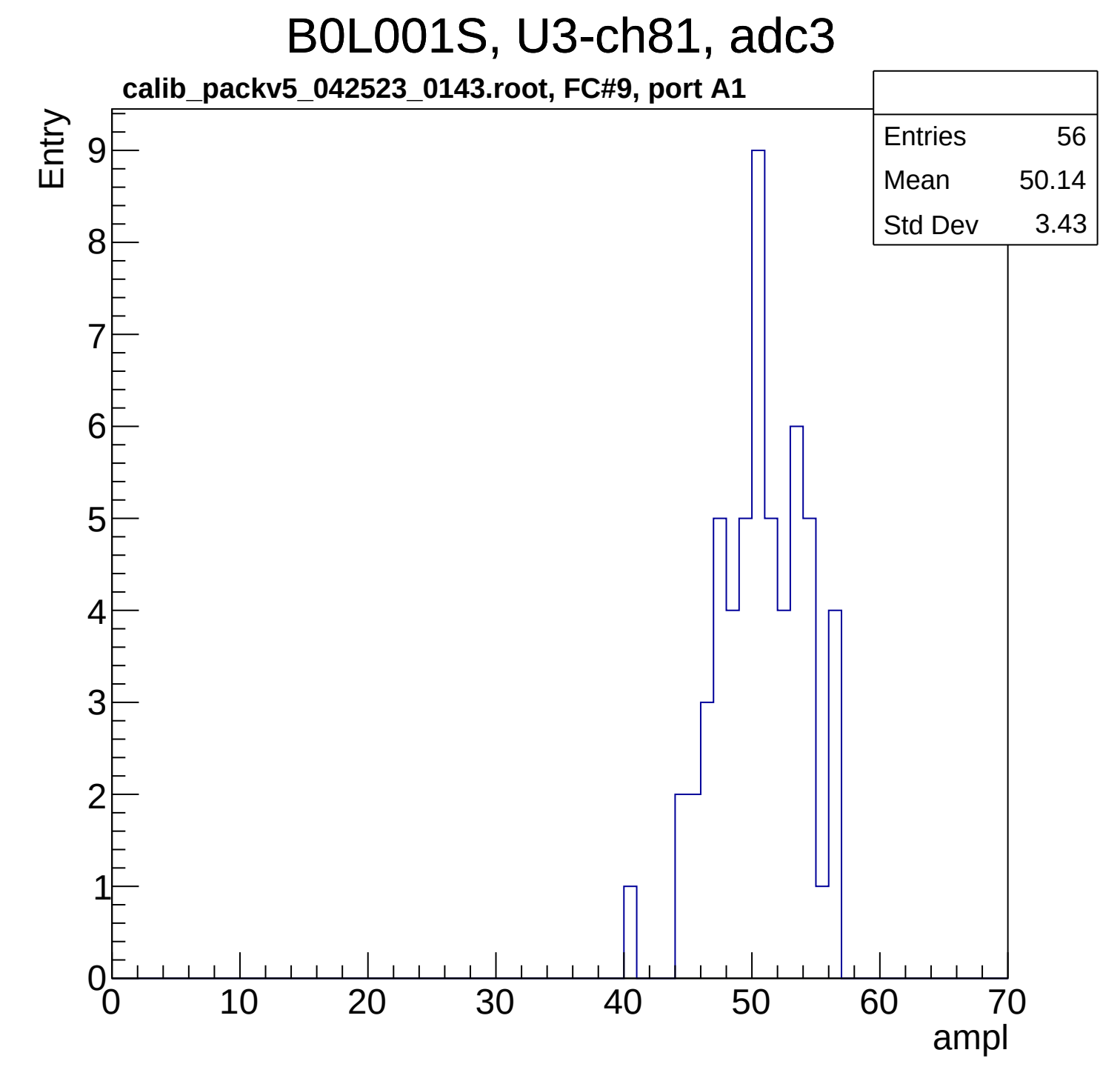
B0L001S, U3-ch81, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 50.14
Std Dev 3.43
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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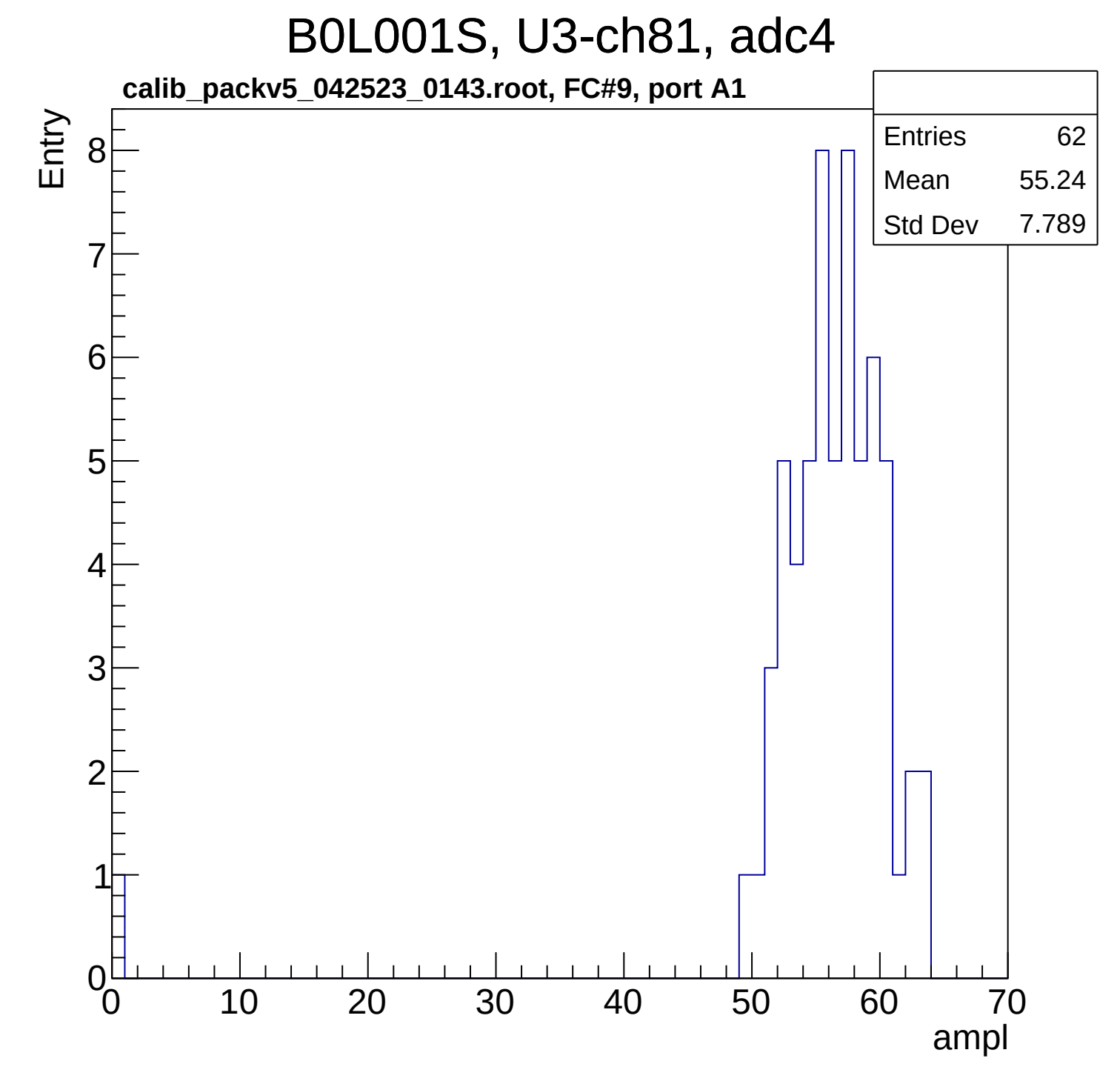
B0L001S, U3-ch81, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 55.24
Std Dev 7.789
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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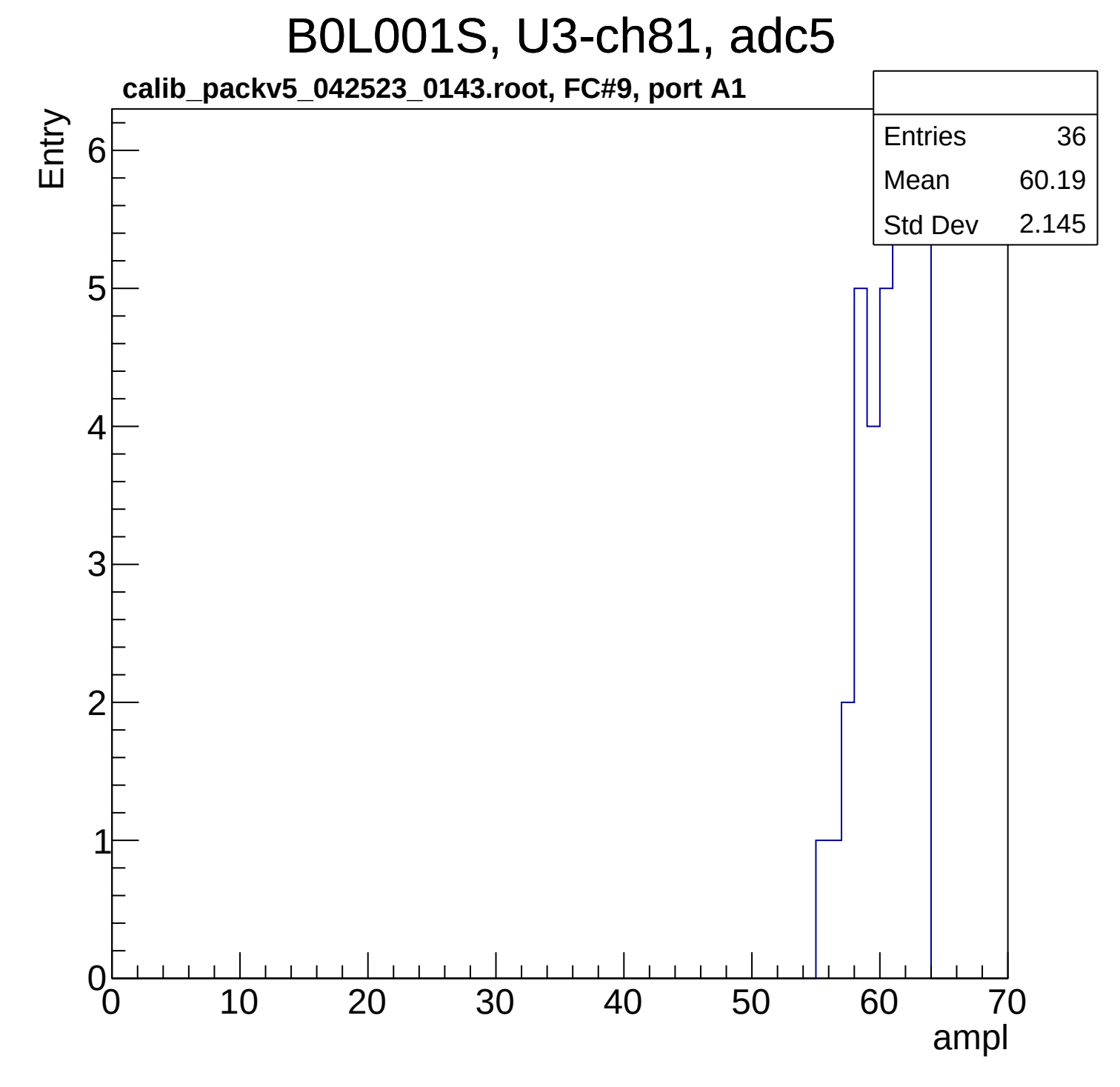
B0L001S, U3-ch81, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 36
Mean 60.19
Std Dev 2.145
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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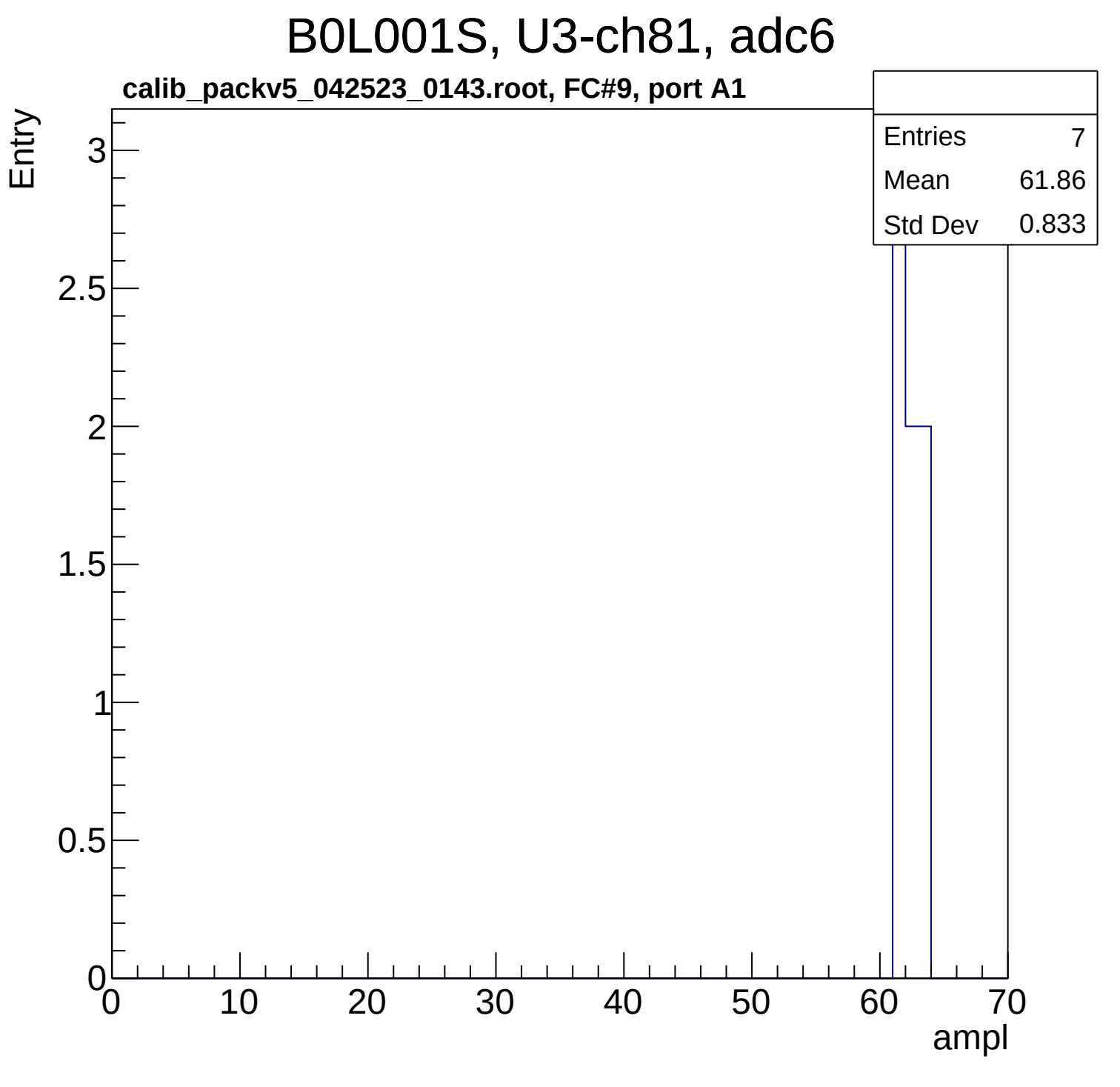
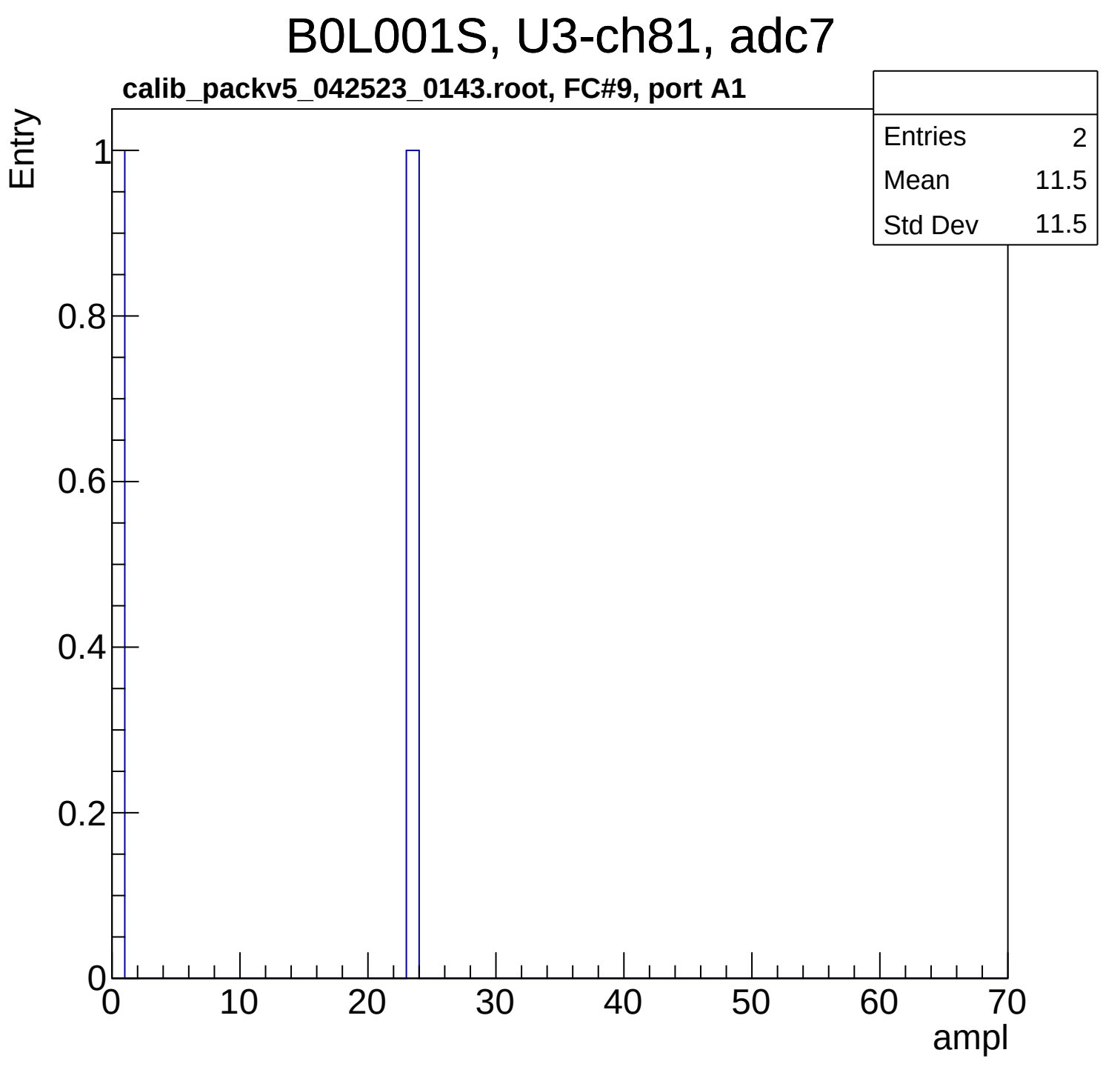
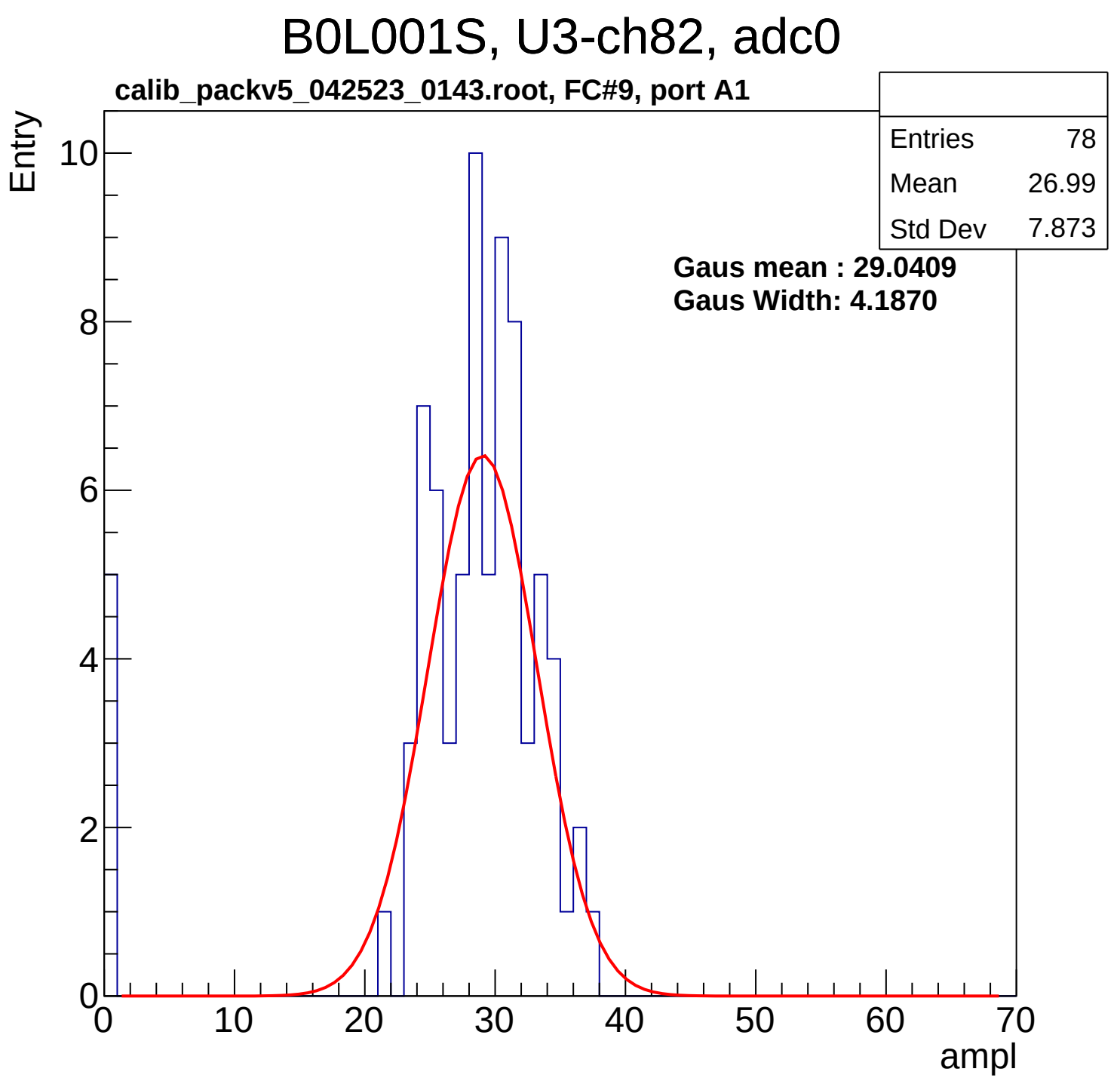
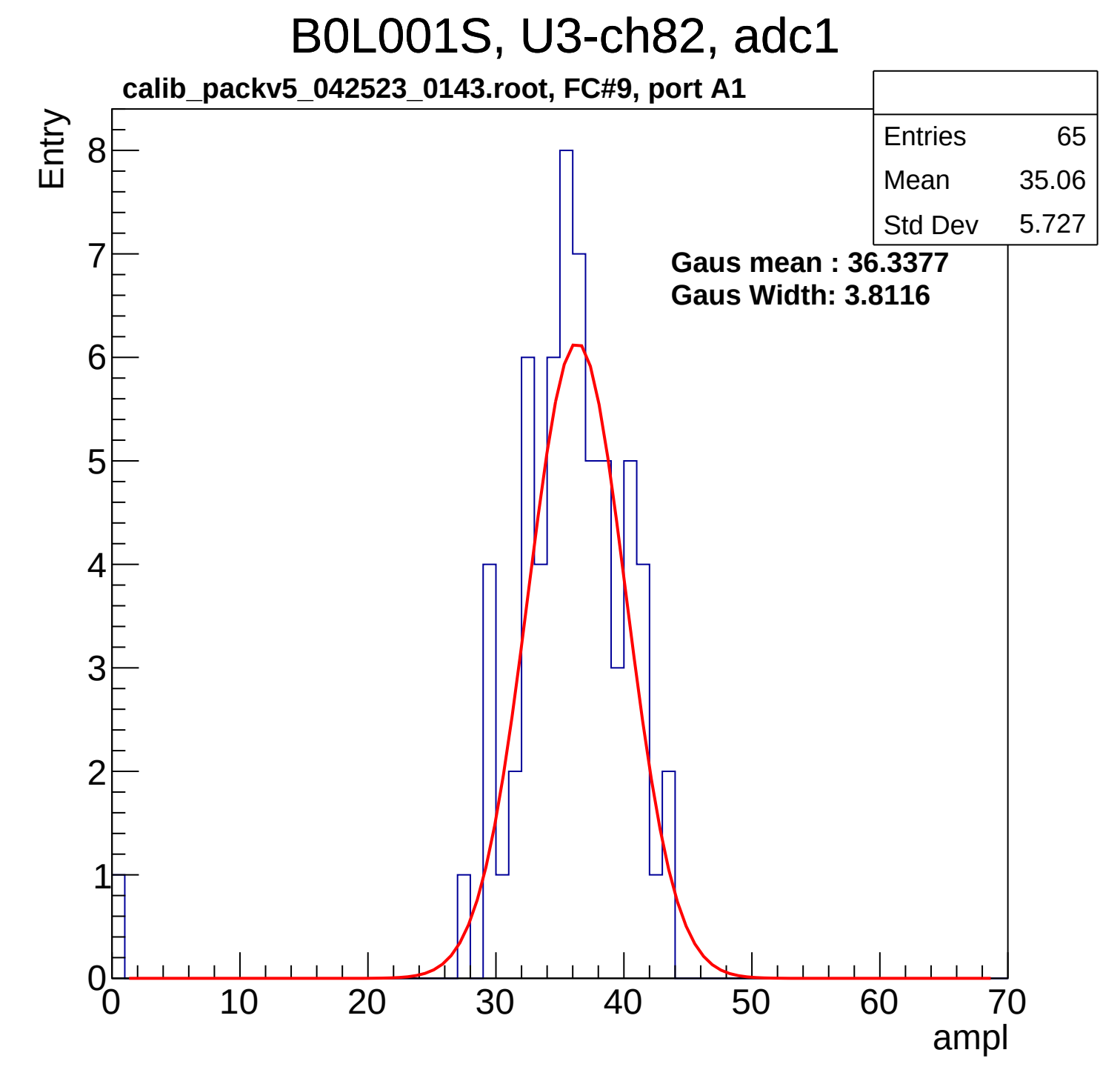
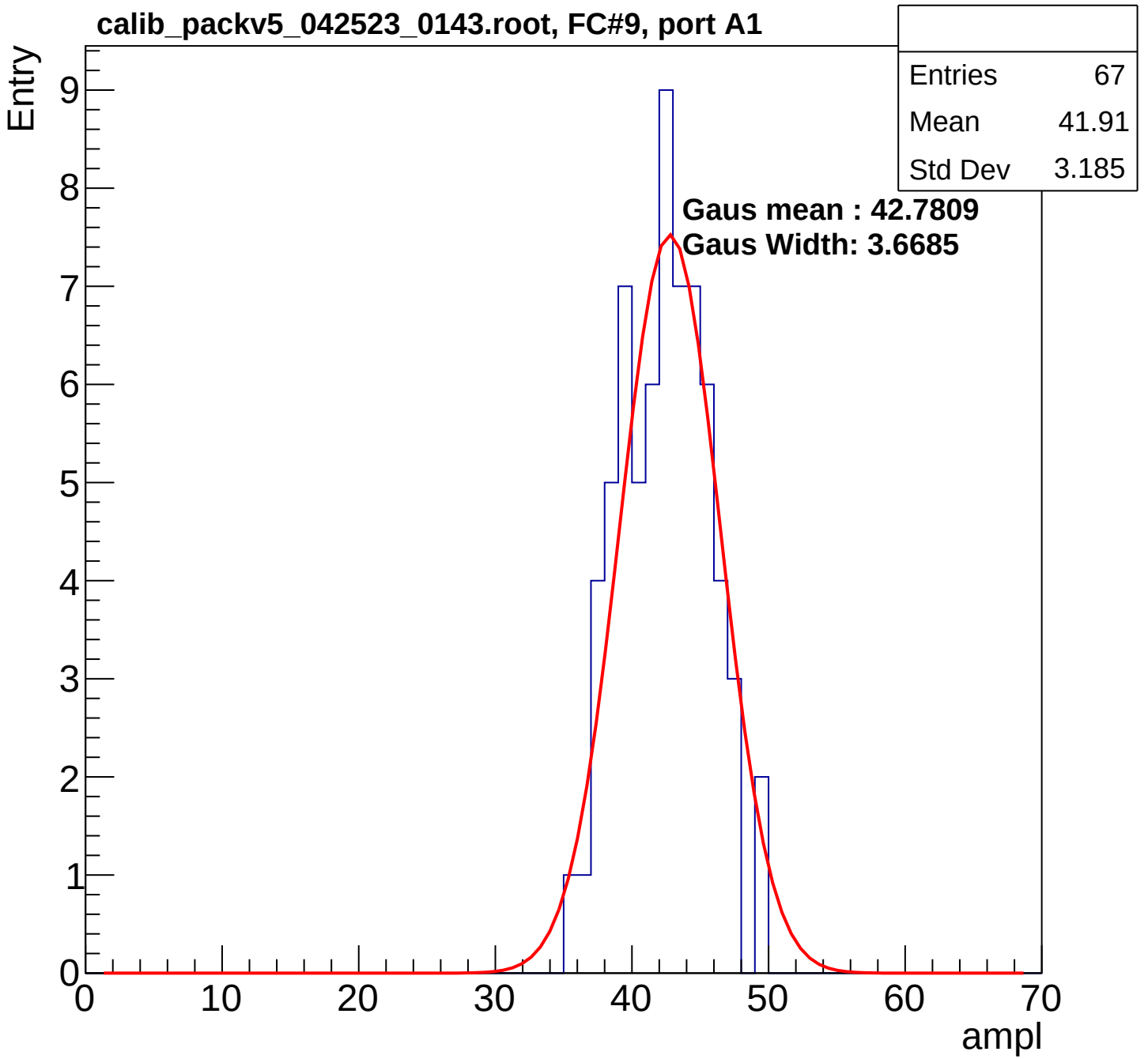
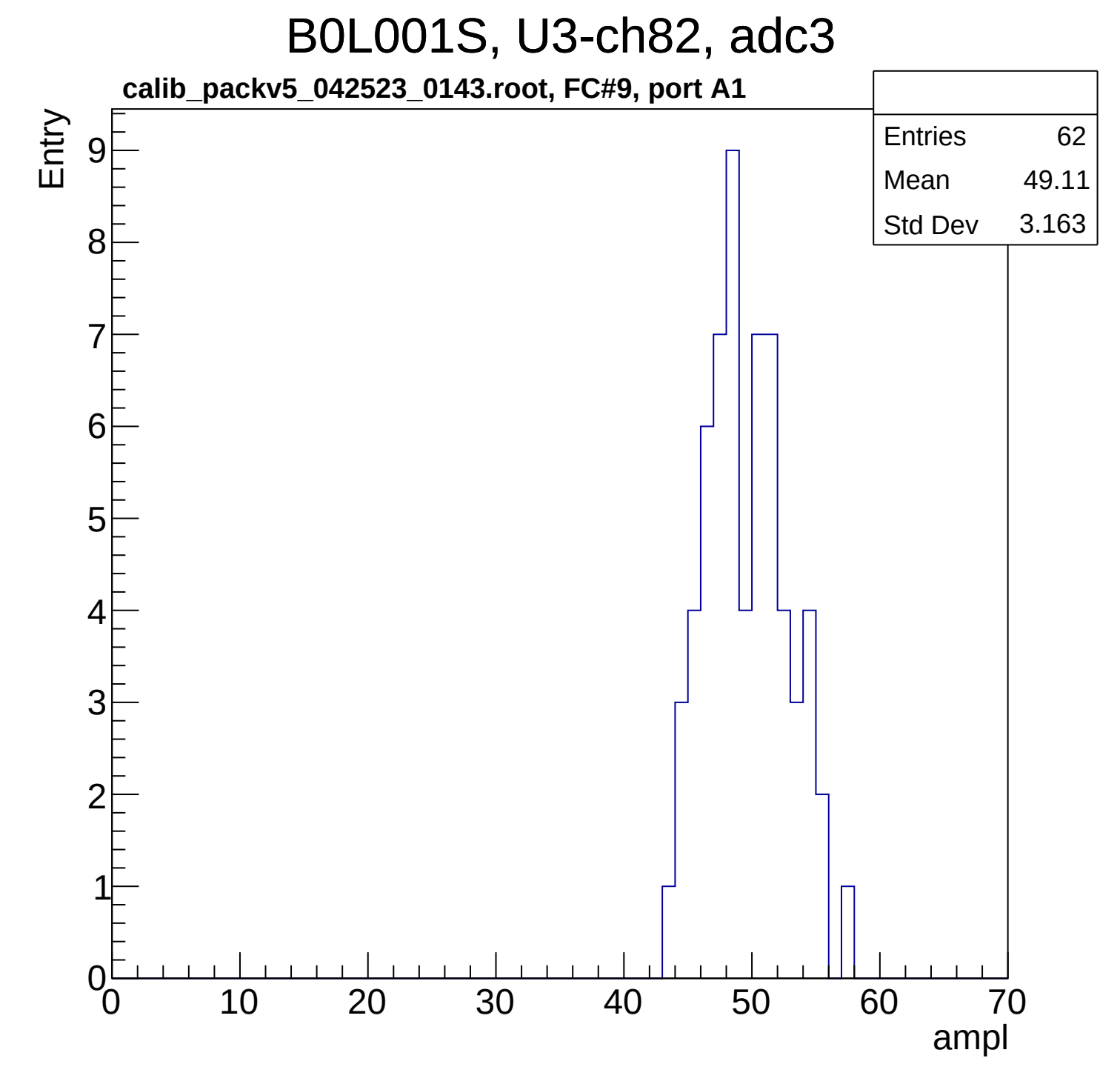

B0L001S, U3-ch81, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 61.86
Std Dev 0.833
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch81, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 11.5
Std Dev 11.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch82, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 26.99
Std Dev 7.873
Gaus mean : 29.0409
Gaus Width: 4.1870
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch82, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 35.06
Std Dev 5.727
Gaus mean : 36.3377
Gaus Width: 3.8116
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch82, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 41.91
Std Dev 3.185
Gaus mean : 42.7809
Gaus Width: 3.6685
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch82, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 49.11
Std Dev 3.163
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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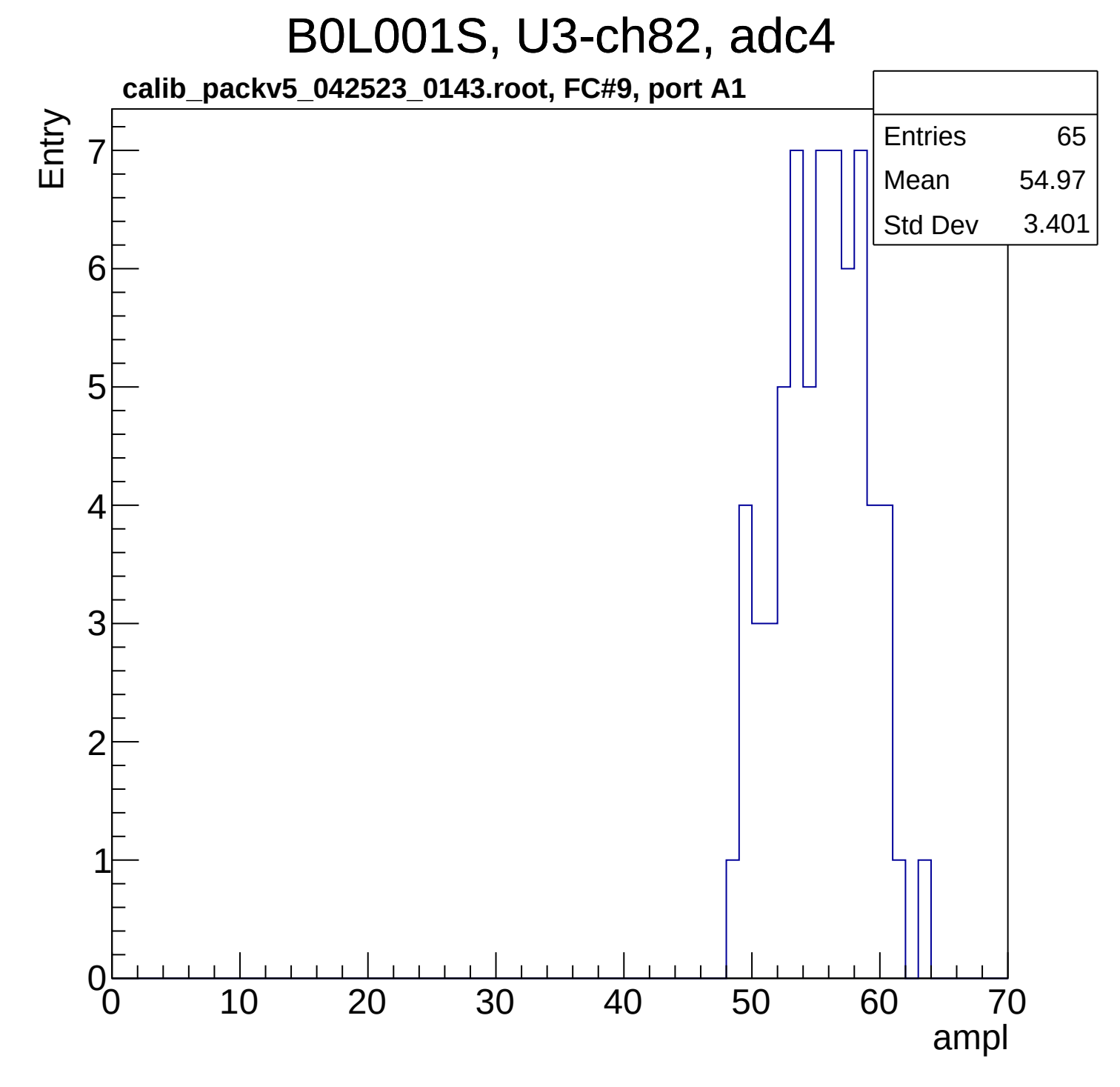
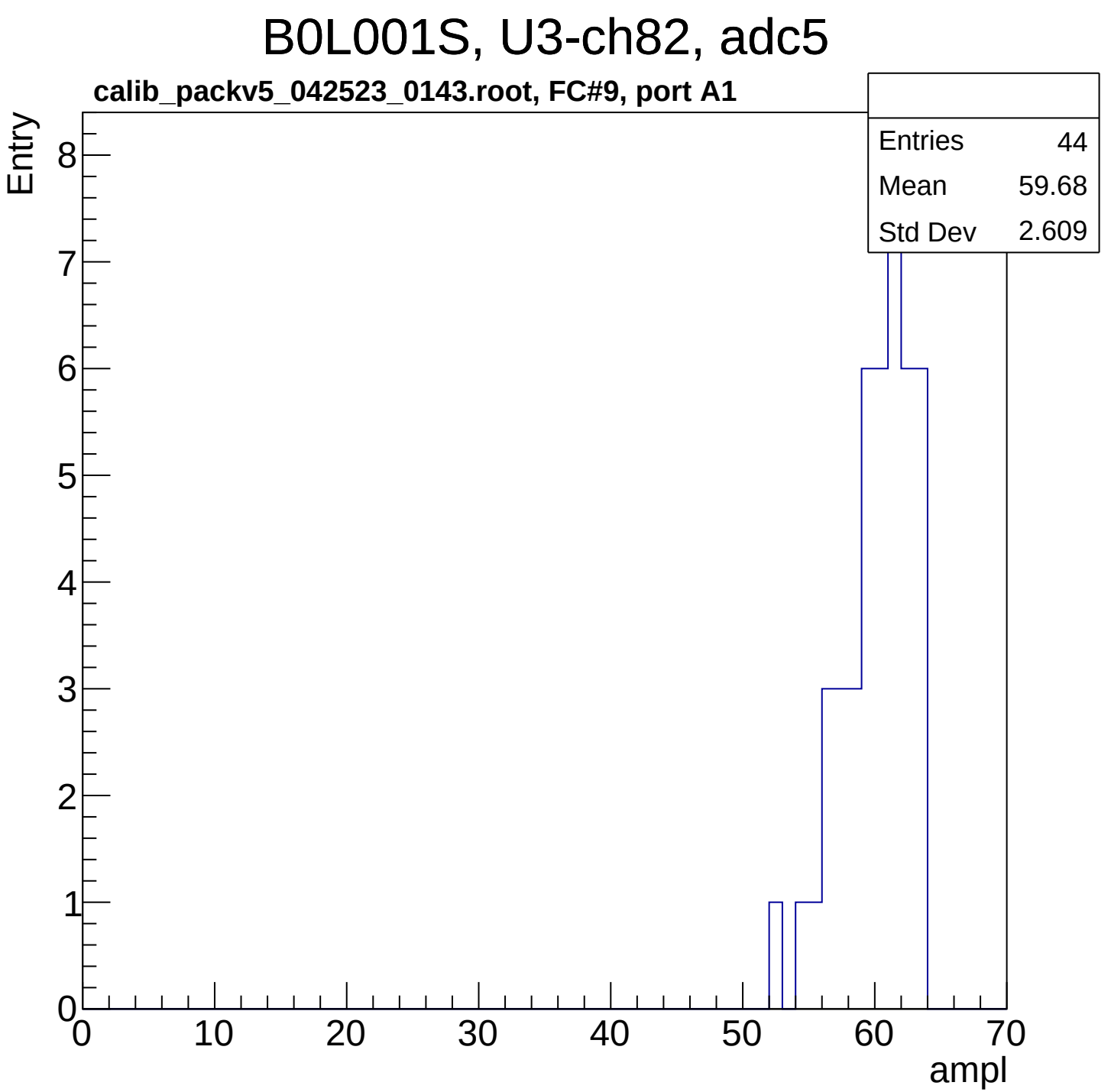

B0L001S, U3-ch82, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 54.97
Std Dev 3.401
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch82, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 59.68
Std Dev 2.609
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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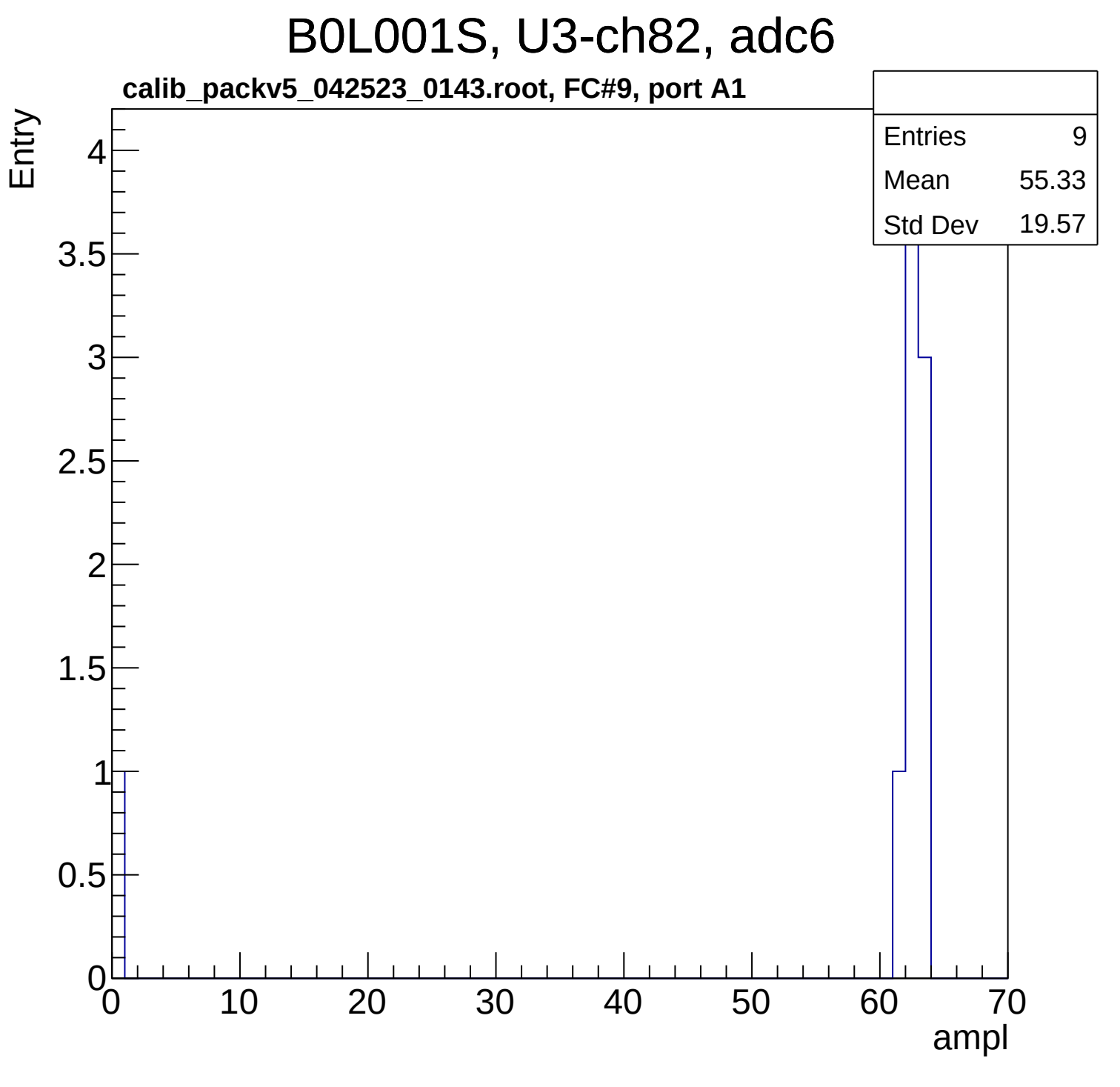
B0L001S, U3-ch82, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 55.33
Std Dev 19.57
Entry
ampl
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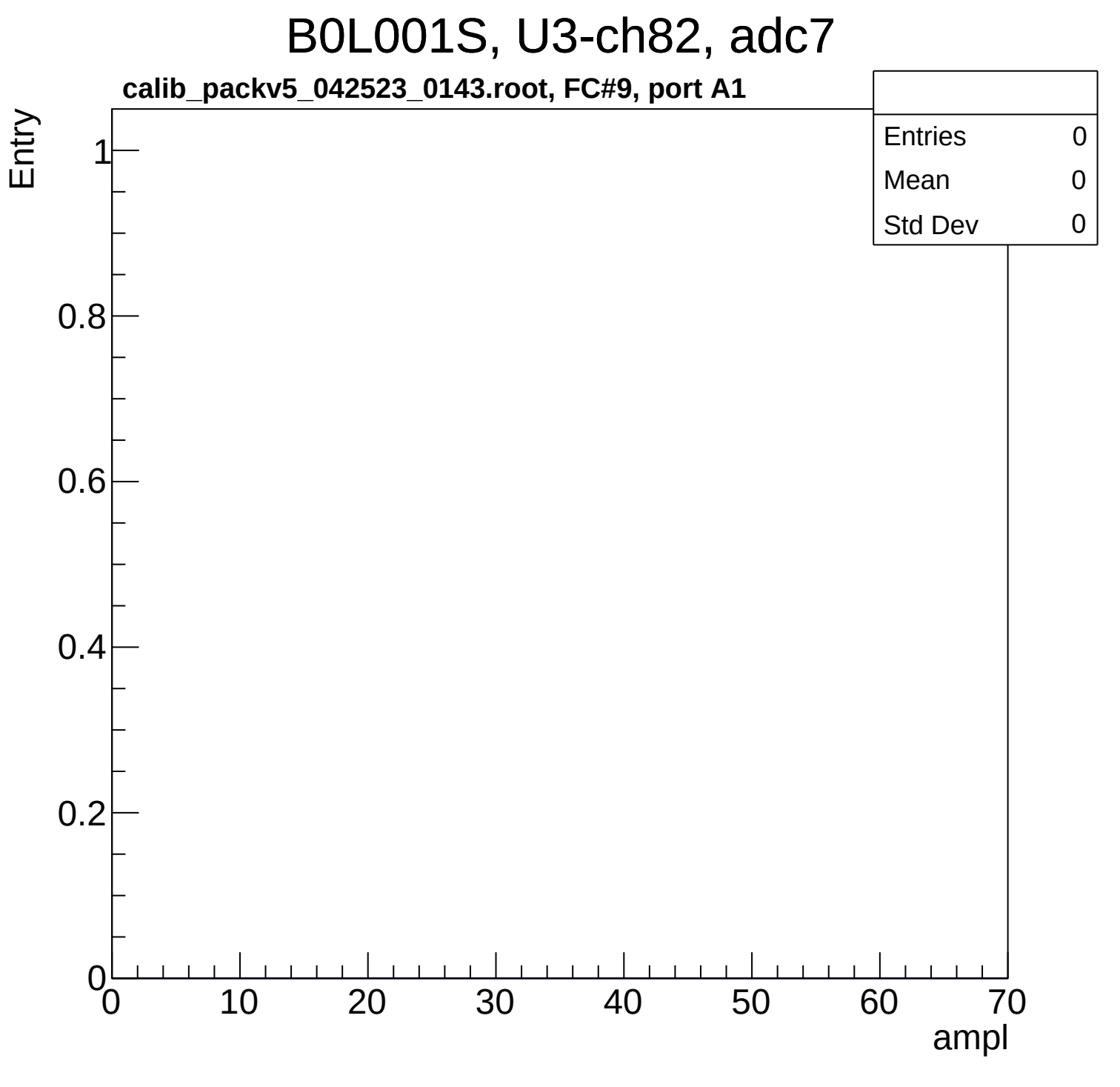
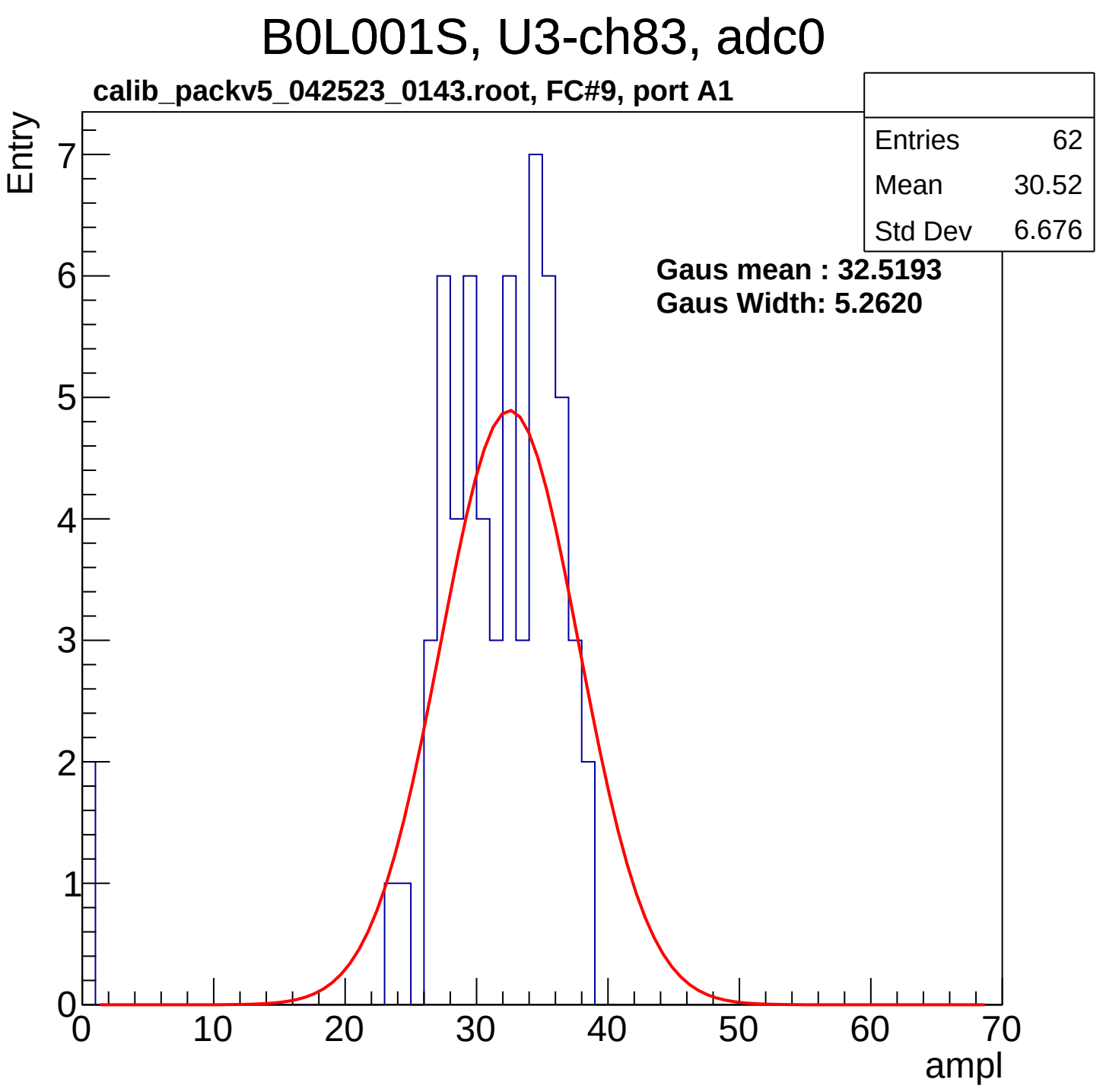
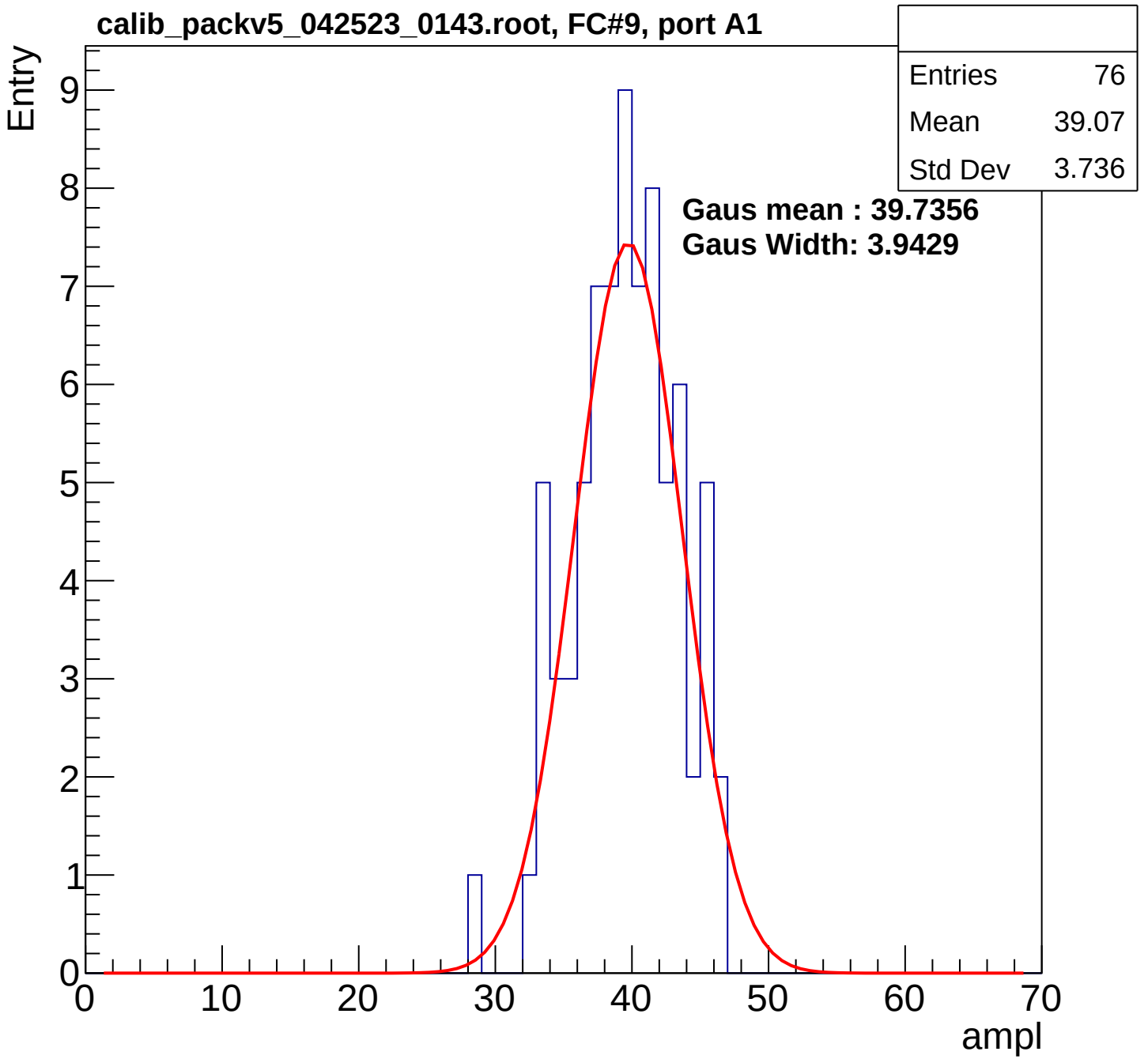
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch82, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch83, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 30.52
Std Dev 6.676
Gaus mean : 32.5193
Gaus Width: 5.2620
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch83, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 39.07
Std Dev 3.736
Gaus mean : 39.7356
Gaus Width: 3.9429
Entry
ampl
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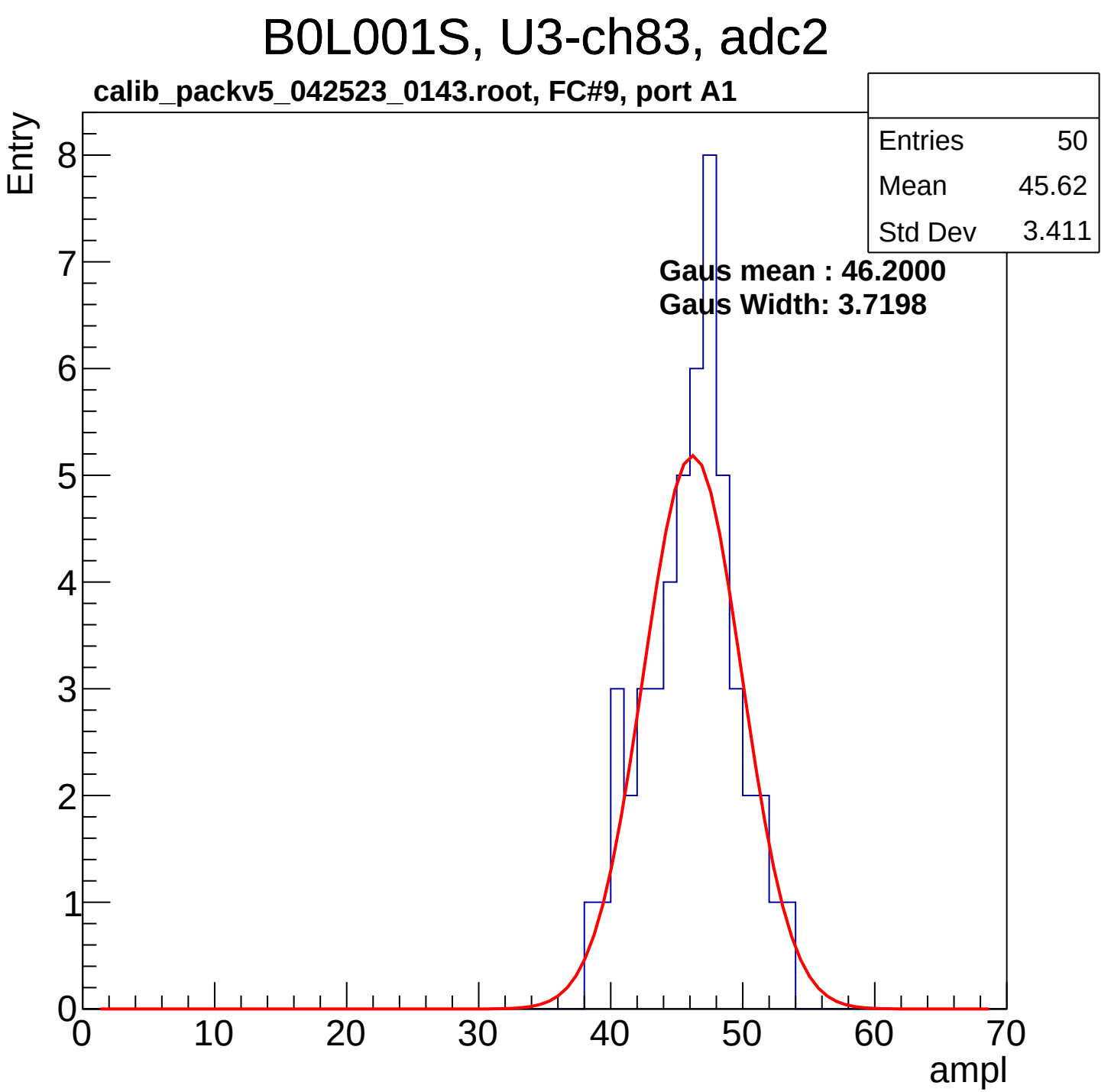
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch83, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 45.62
Std Dev 3.411
Gaus mean : 46.2000
Gaus Width: 3.7198
Entry
ampl
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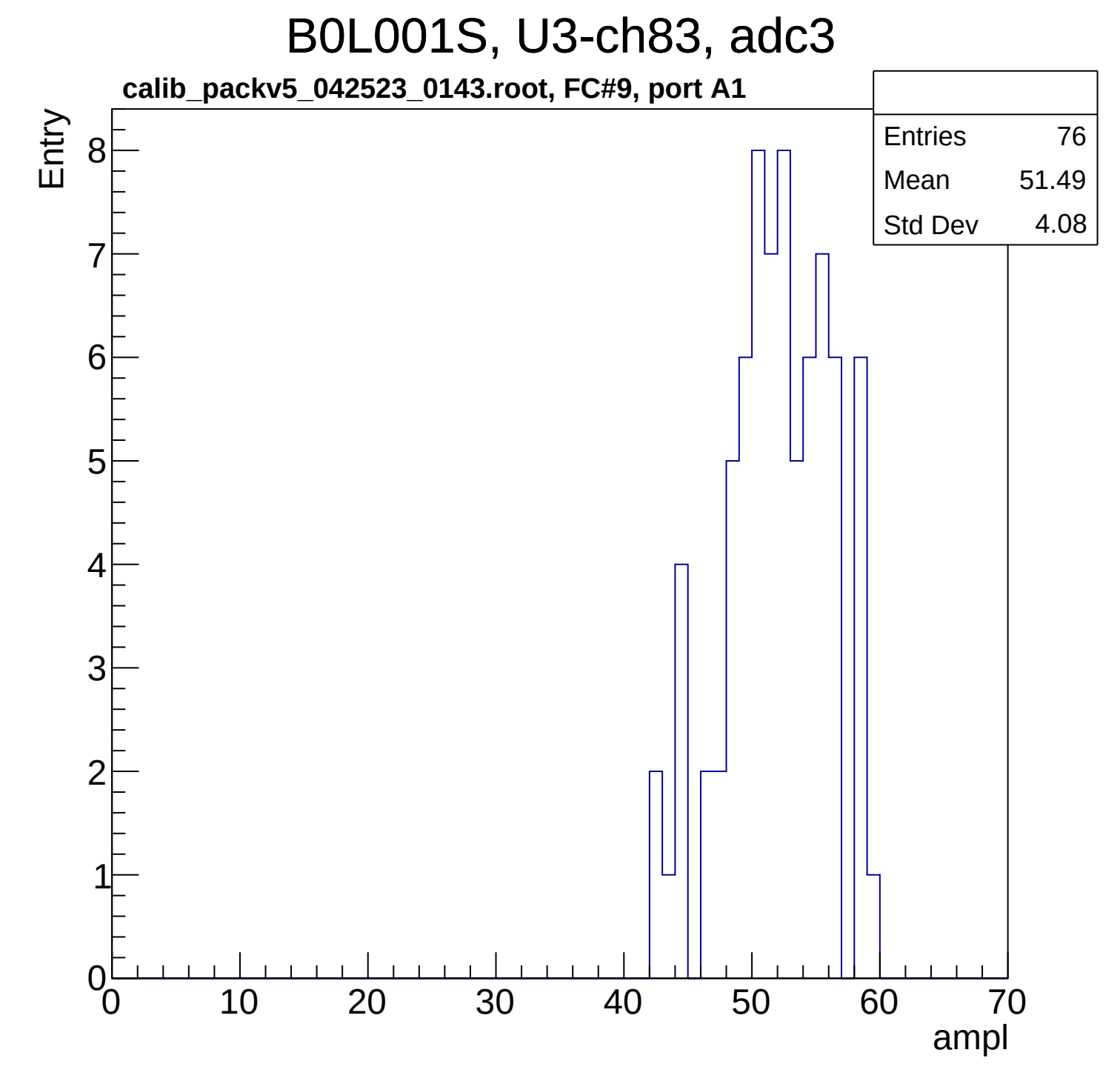
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch83, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 51.49
Std Dev 4.08
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
30
40
50
60
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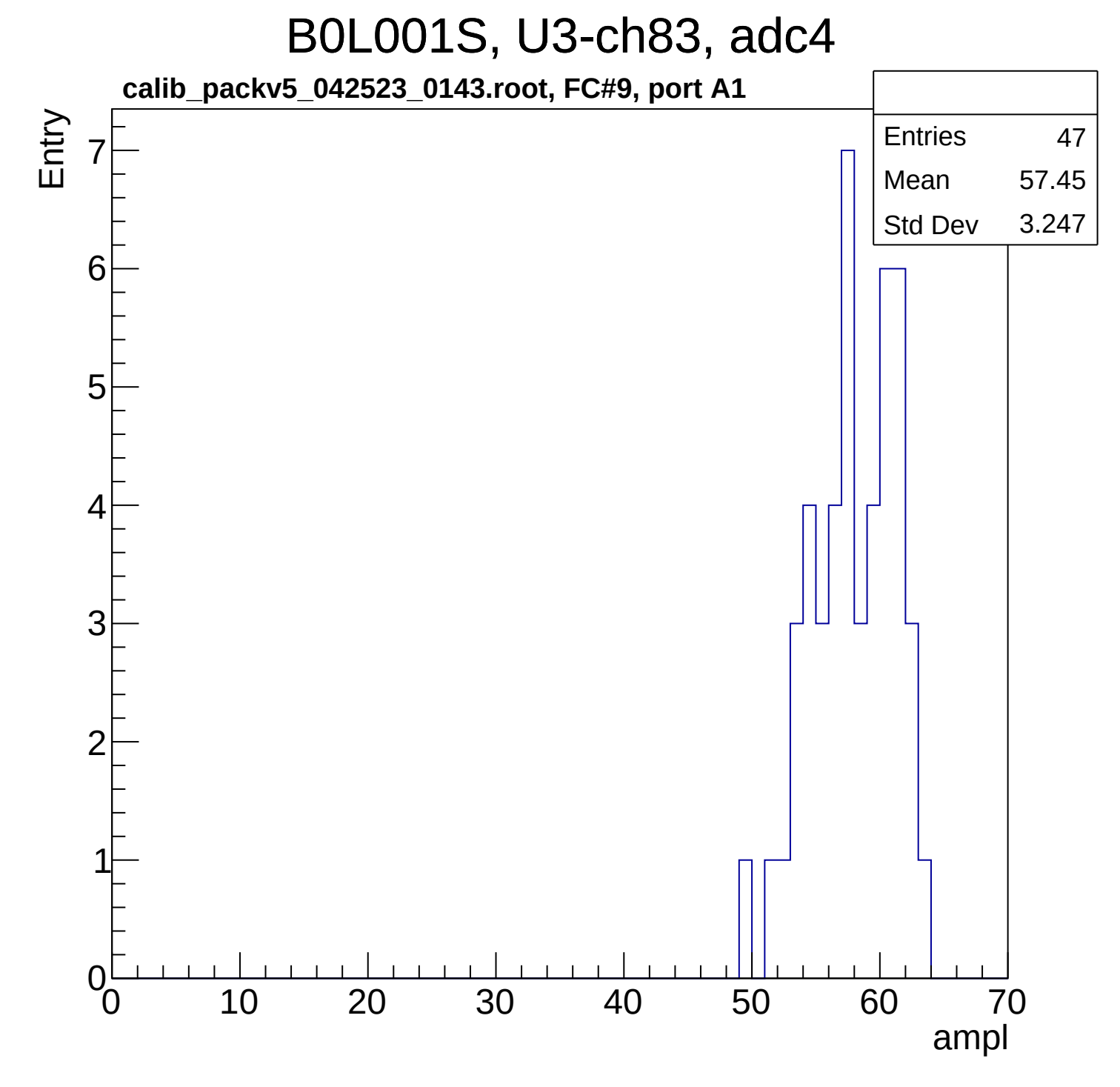
B0L001S, U3-ch83, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 57.45
Std Dev 3.247
Entry
ampl
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1
2
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4
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6
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0
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20
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40
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60
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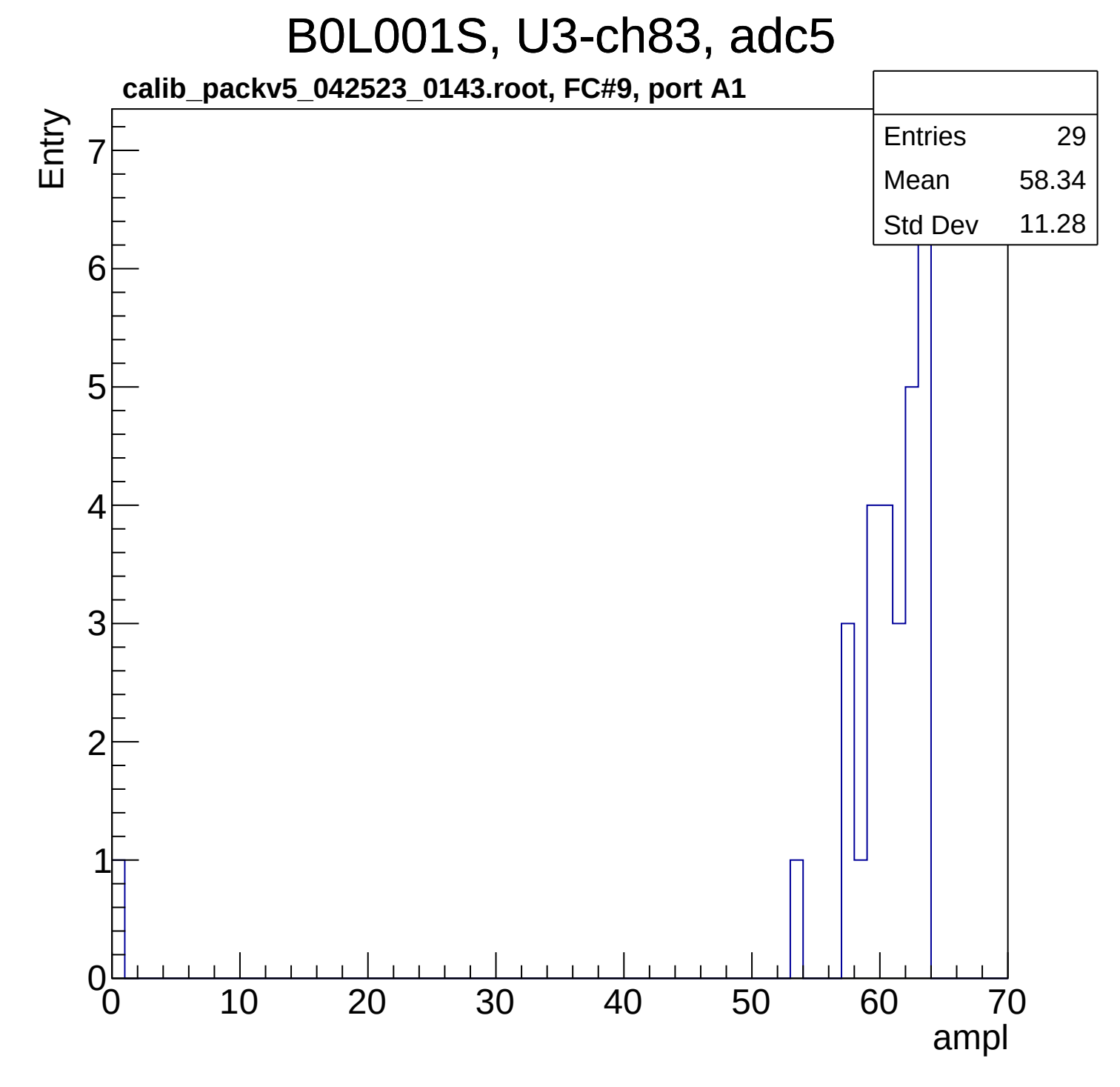
B0L001S, U3-ch83, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 29
Mean 58.34
Std Dev 11.28
Entry
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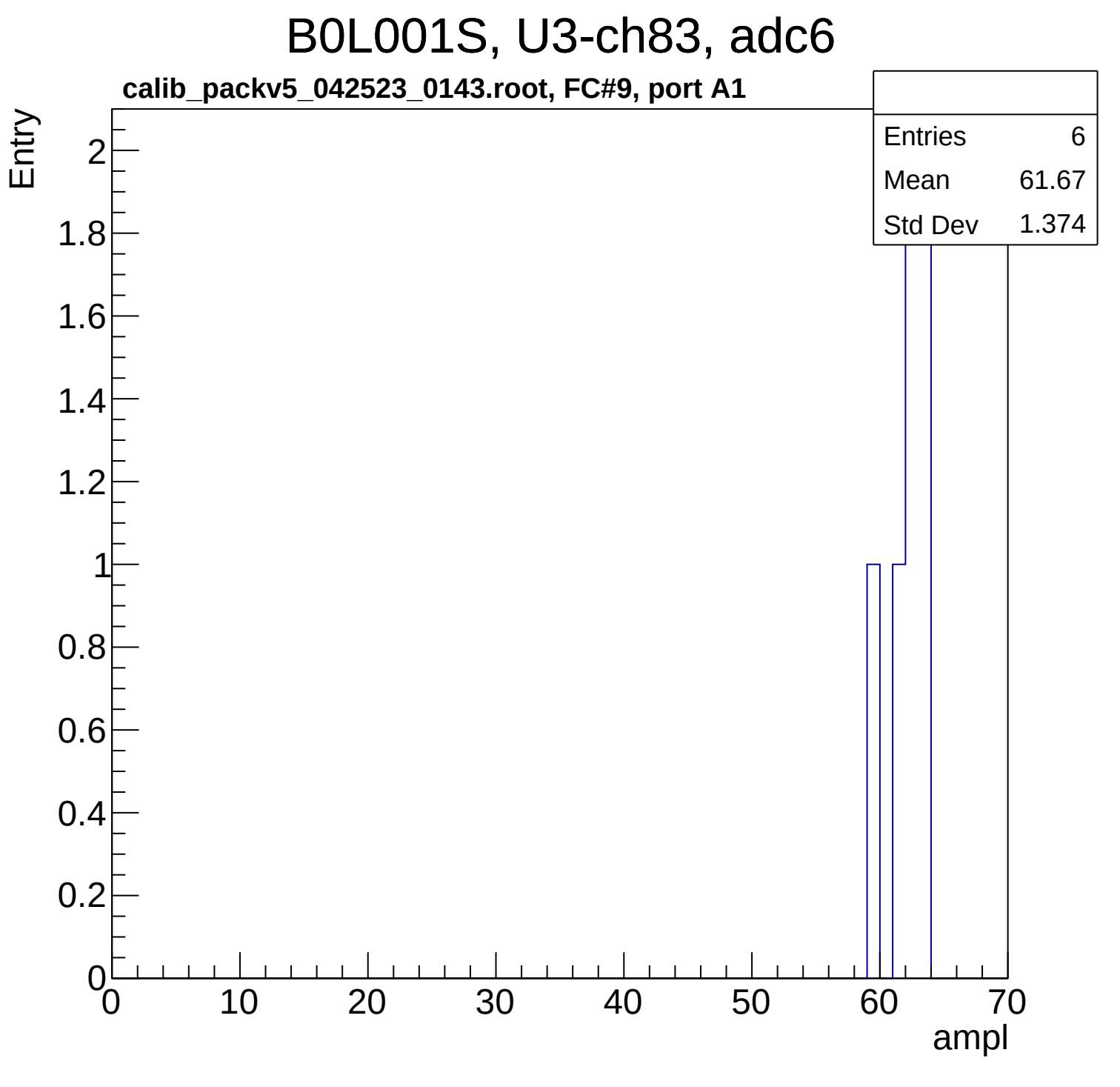
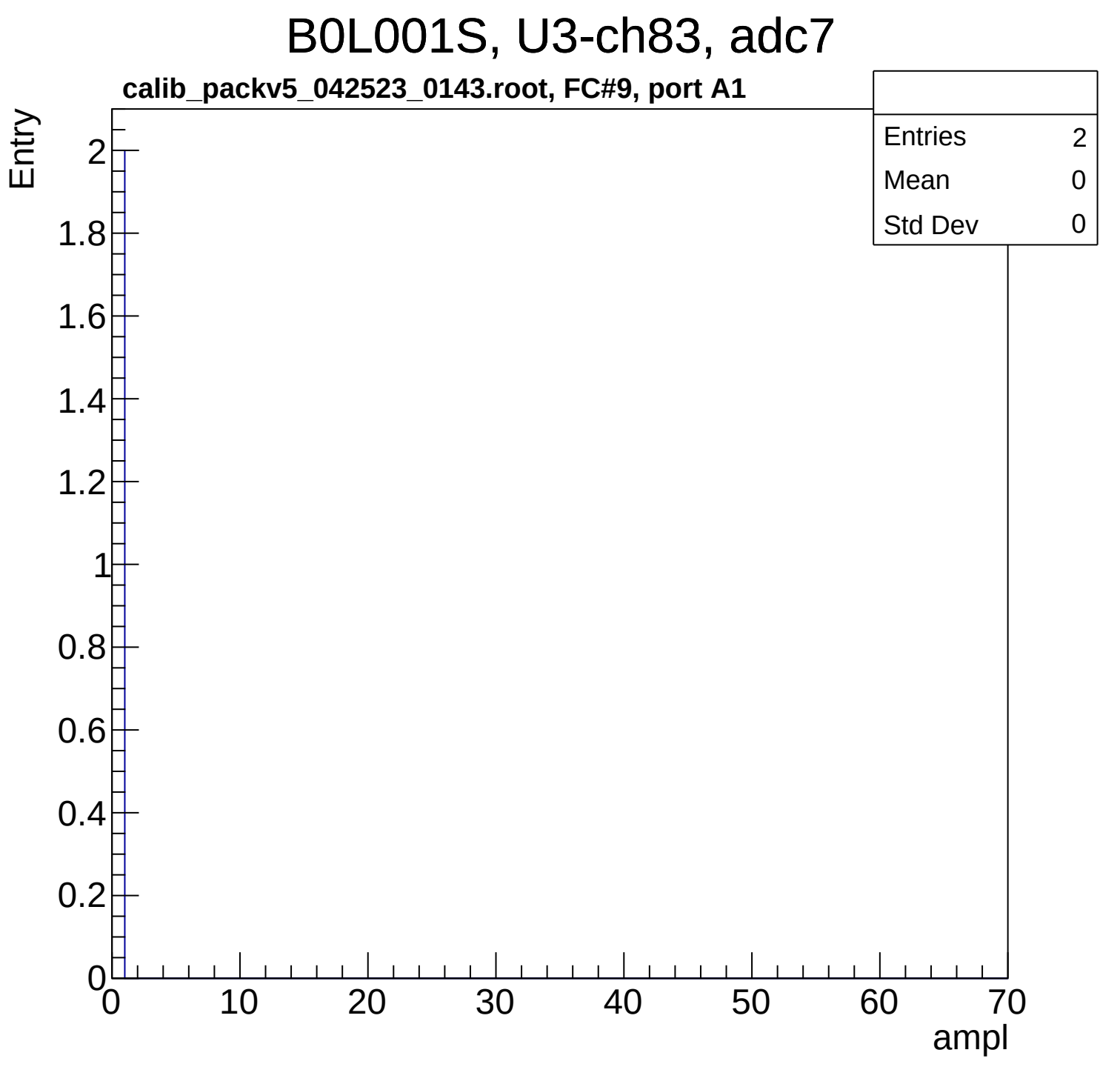
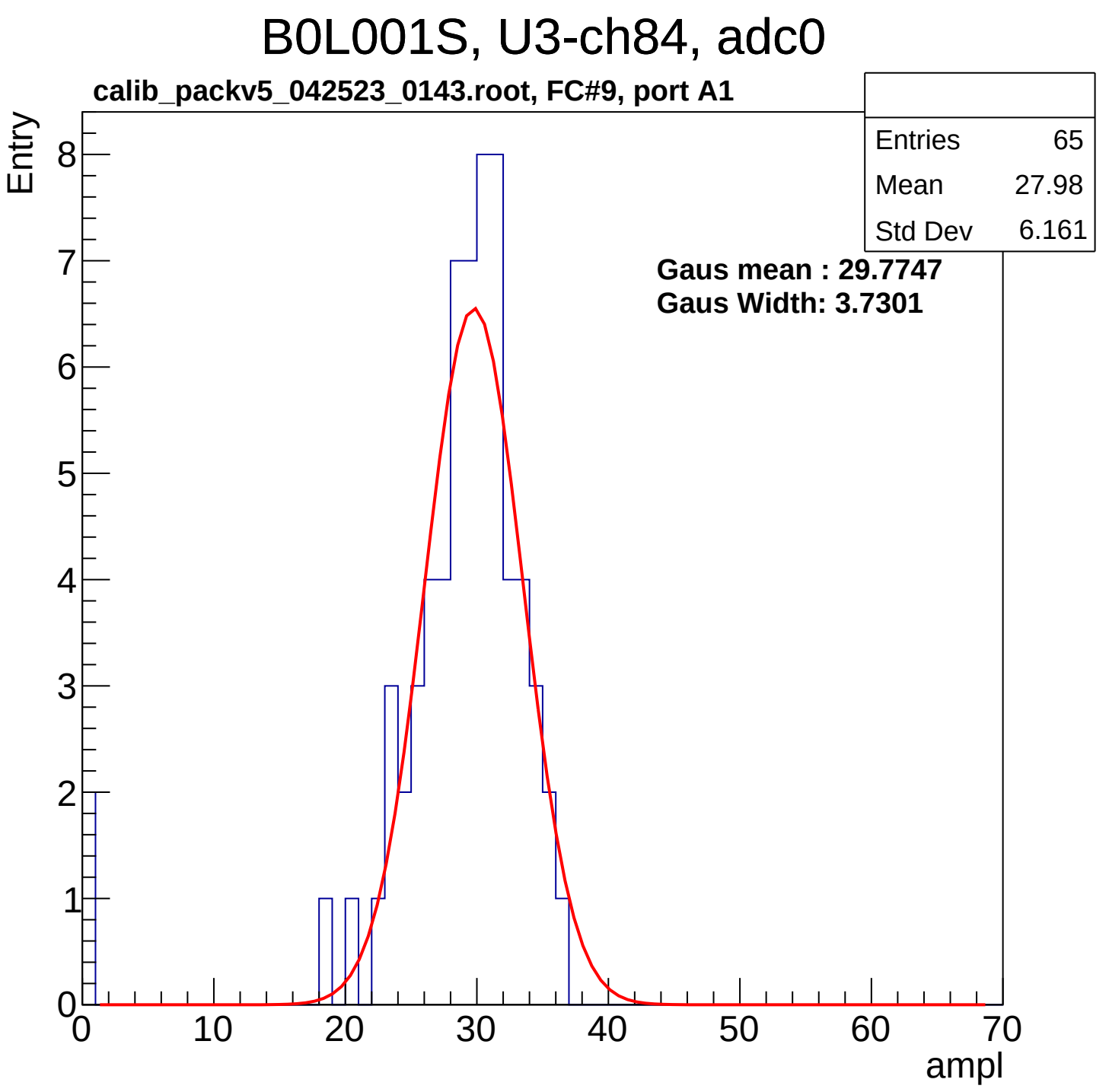
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch83, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 61.67
Std Dev 1.374
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


B0L001S, U3-ch83, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch84, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 27.98
Std Dev 6.161
Gaus mean : 29.7747
Gaus Width: 3.7301
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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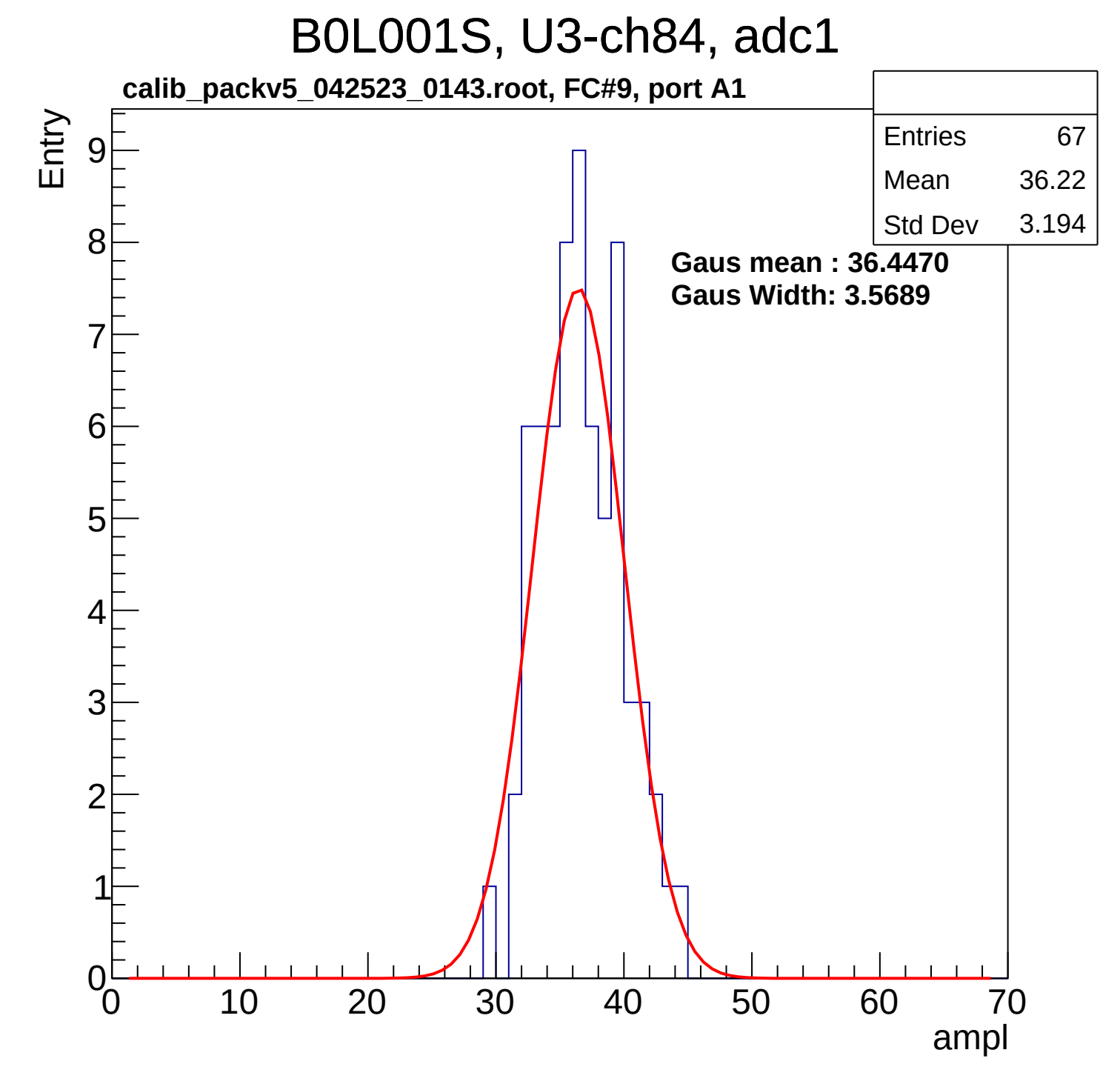
40
50
60
70


B0L001S, U3-ch84, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 36.22
Std Dev 3.194
Gaus mean : 36.4470
Gaus Width: 3.5689
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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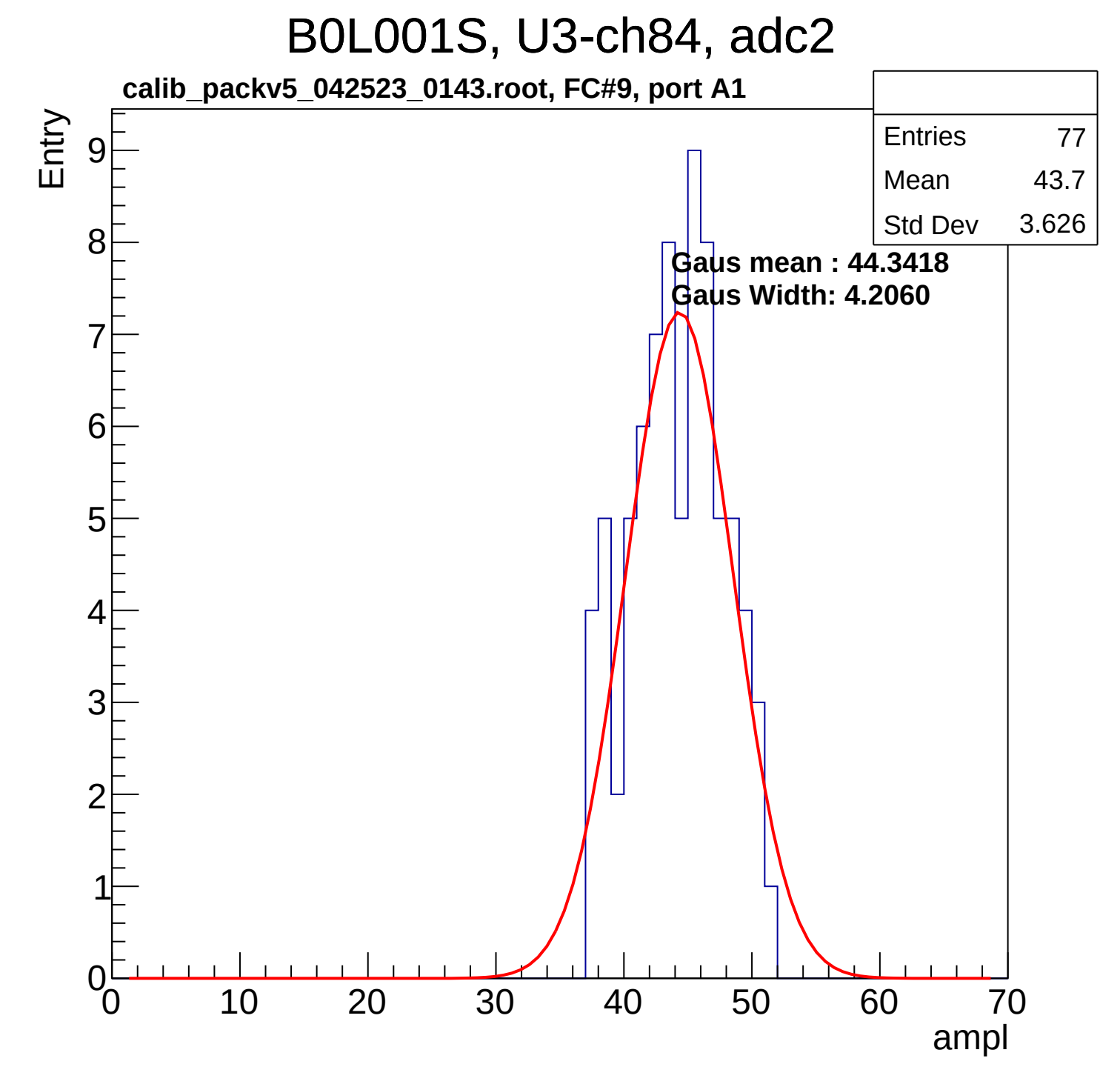
B0L001S, U3-ch84, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 43.7
Std Dev 3.626
Gaus mean : 44.3418
Gaus Width: 4.2060
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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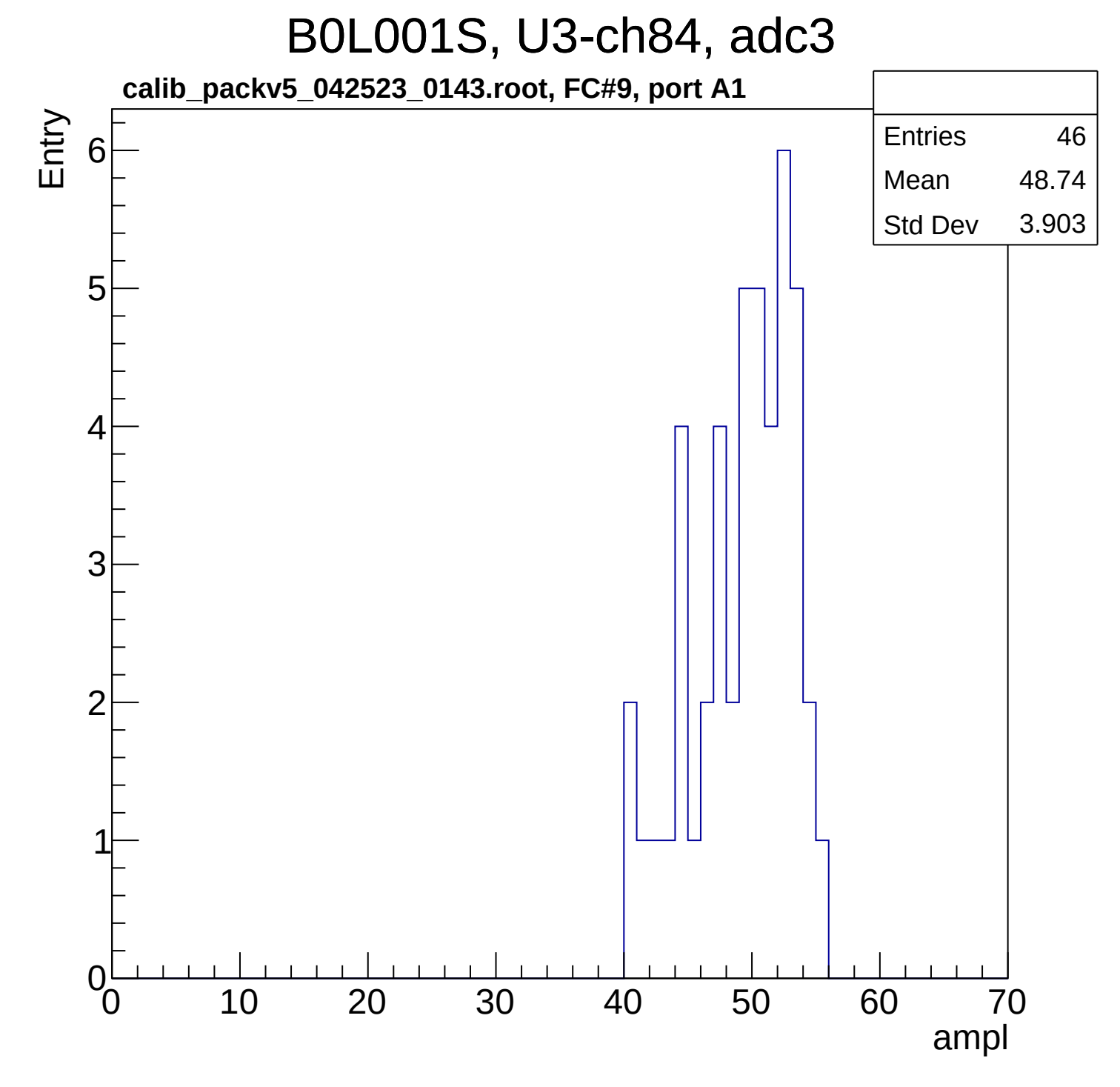
B0L001S, U3-ch84, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 48.74
Std Dev 3.903
Entry
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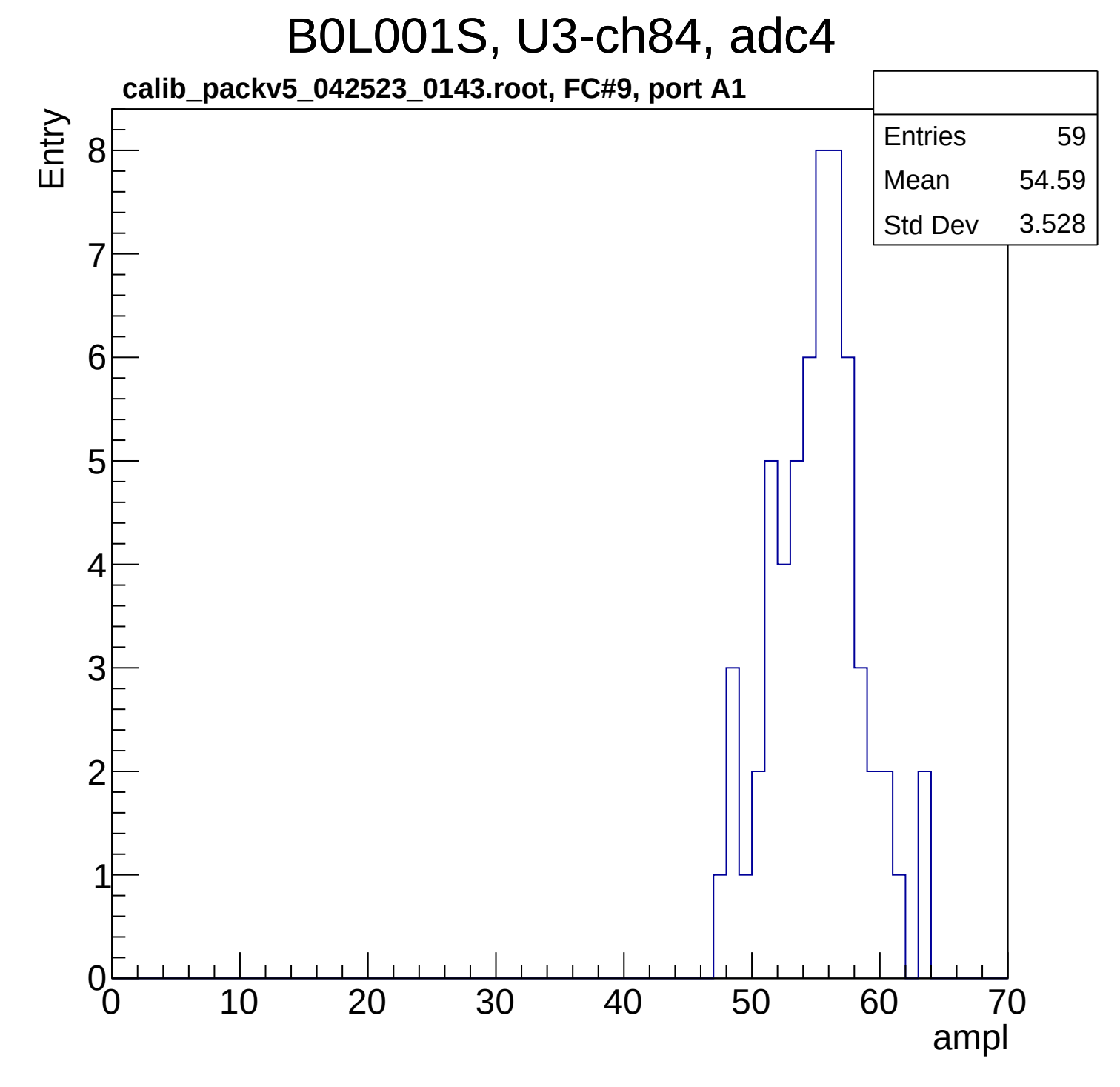
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch84, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 54.59
Std Dev 3.528
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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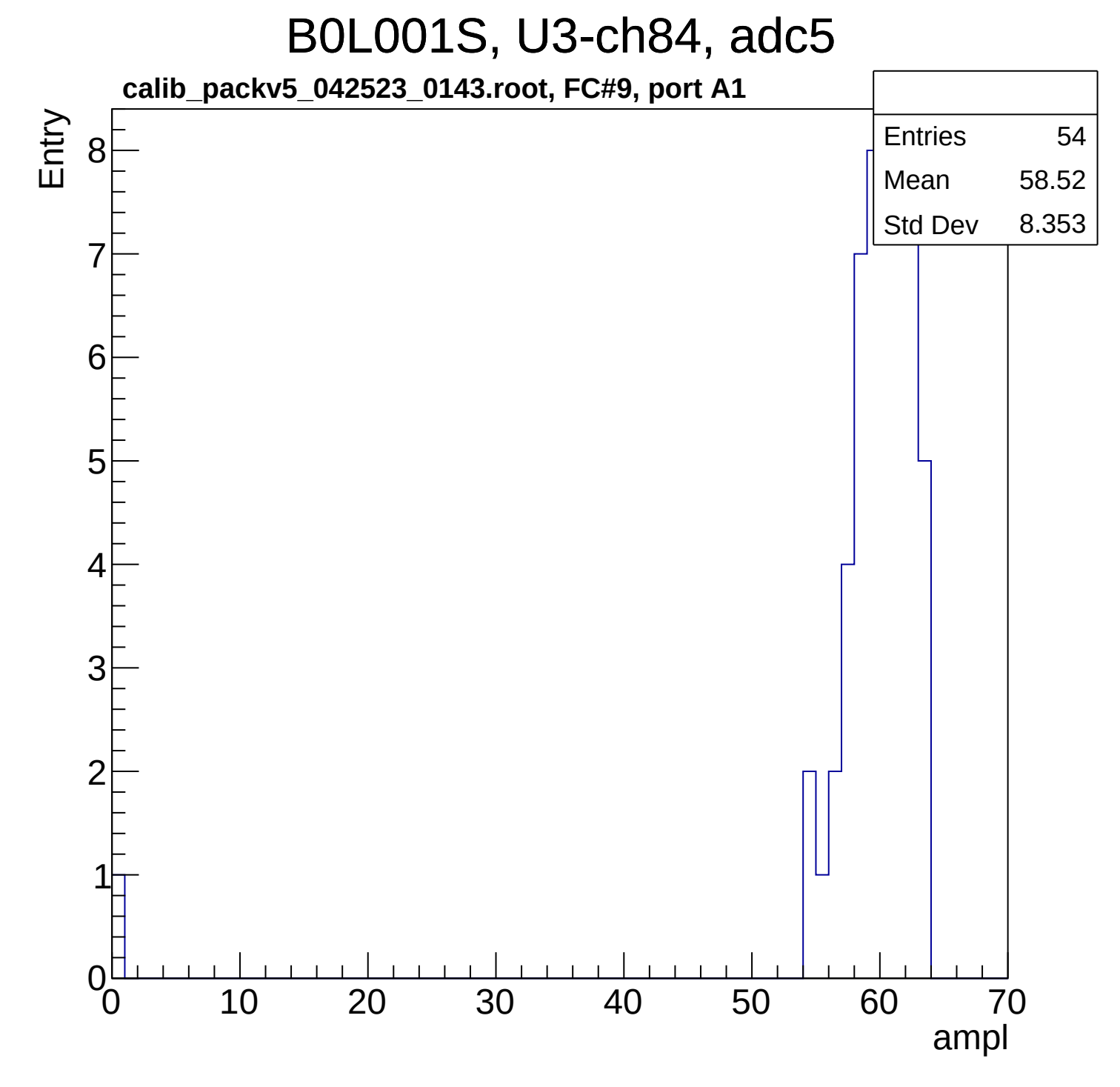
B0L001S, U3-ch84, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 58.52
Std Dev 8.353
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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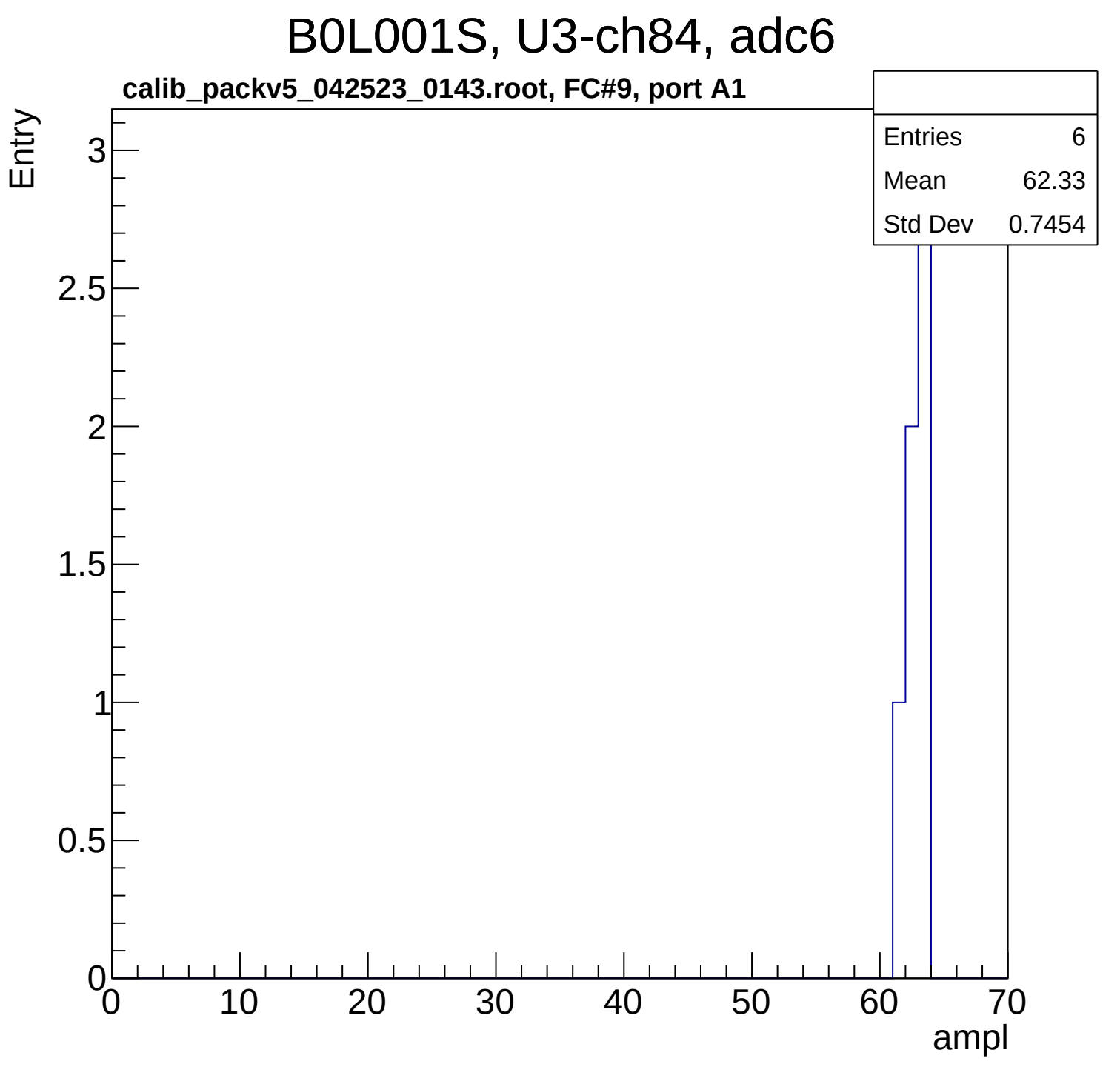
B0L001S, U3-ch84, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 62.33
Std Dev 0.7454
Entry
ampl
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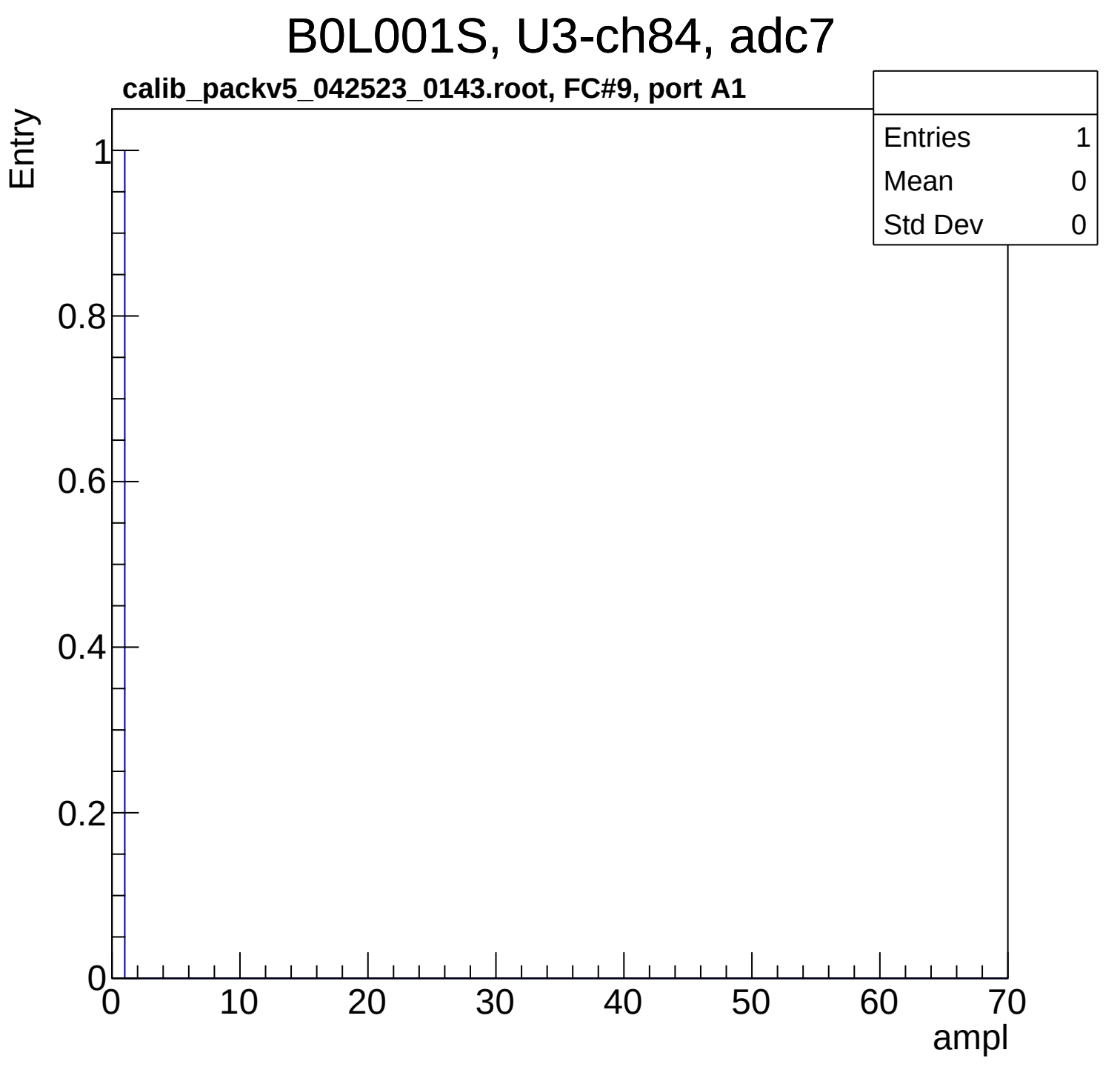
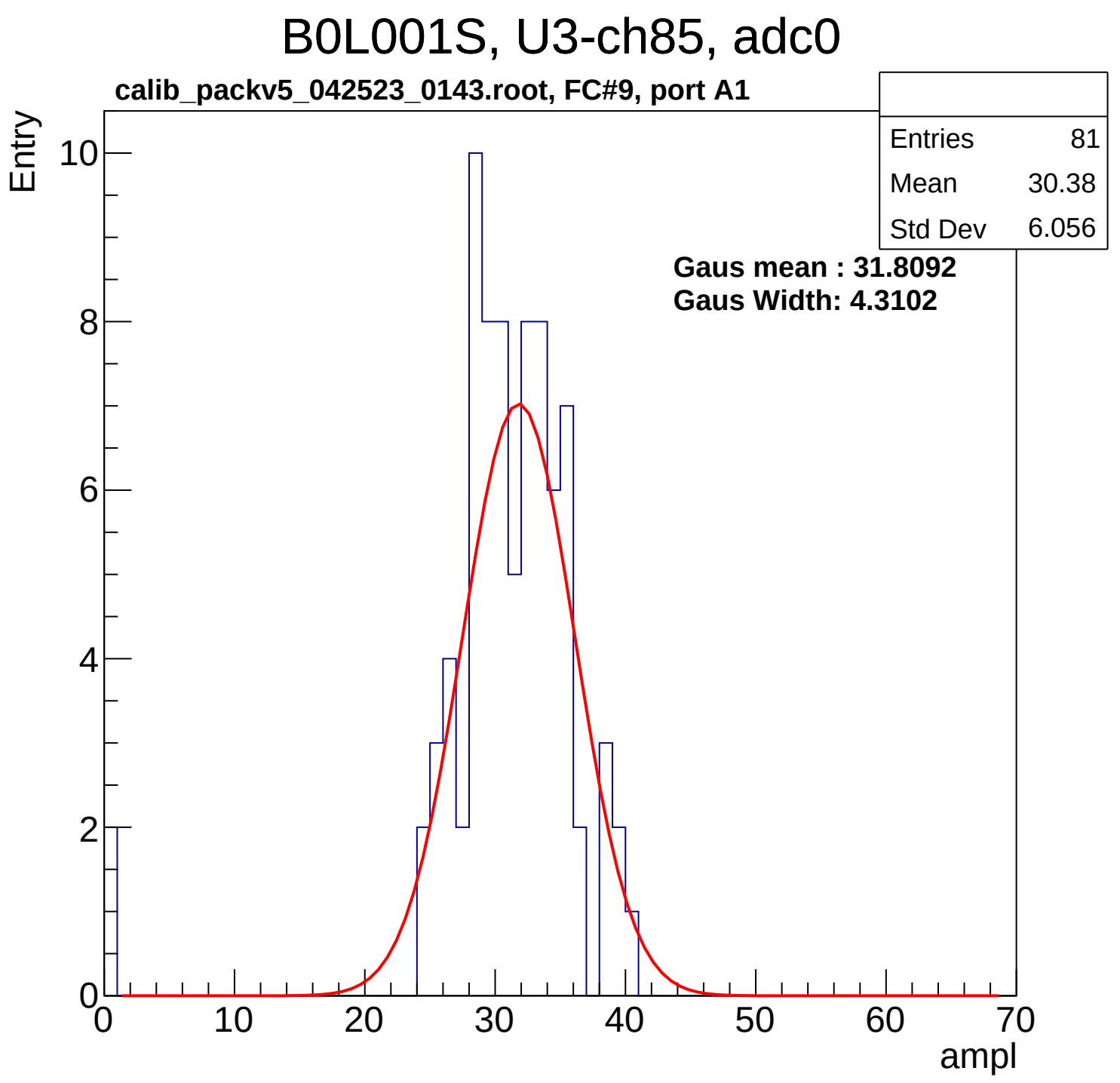
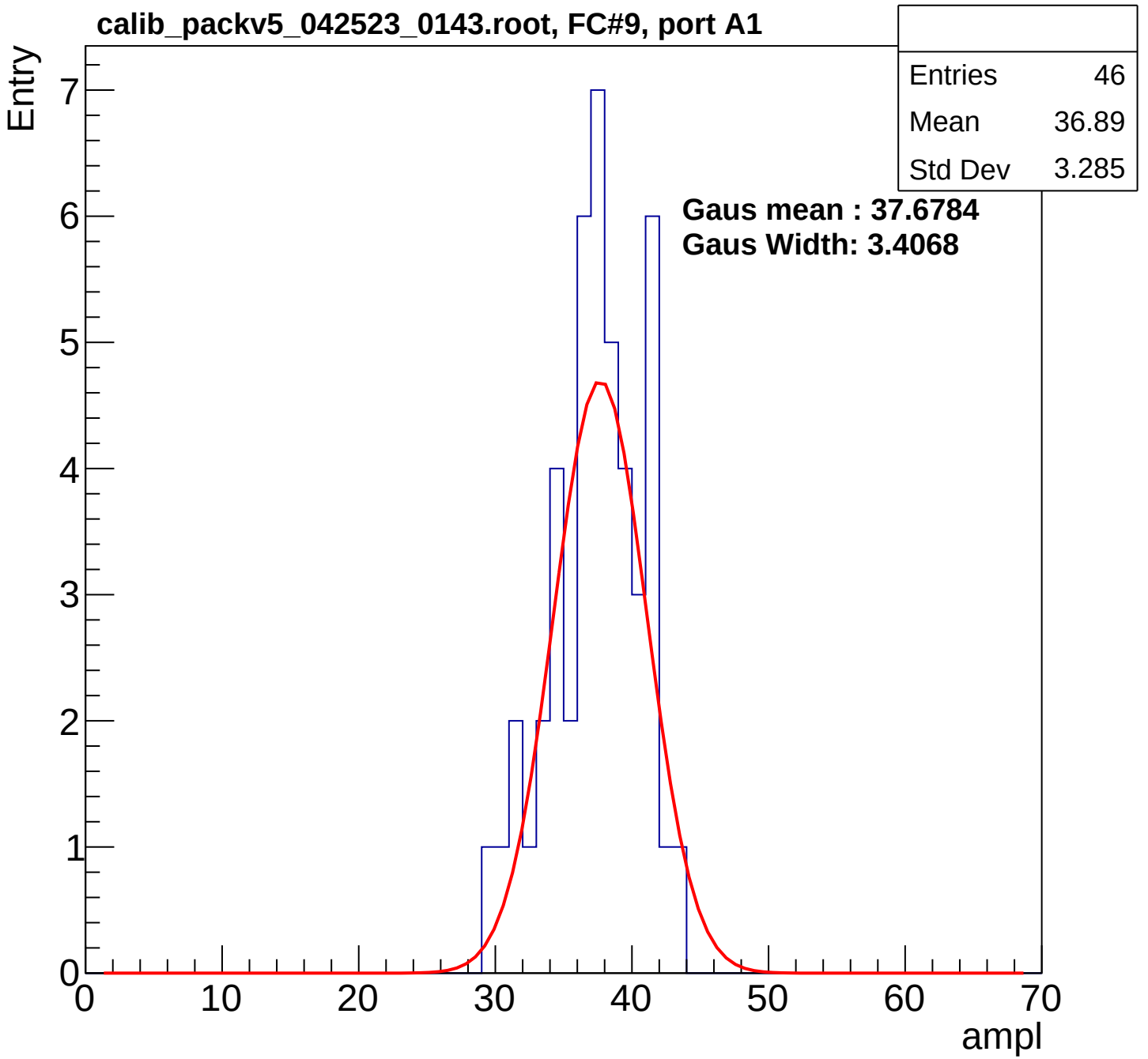
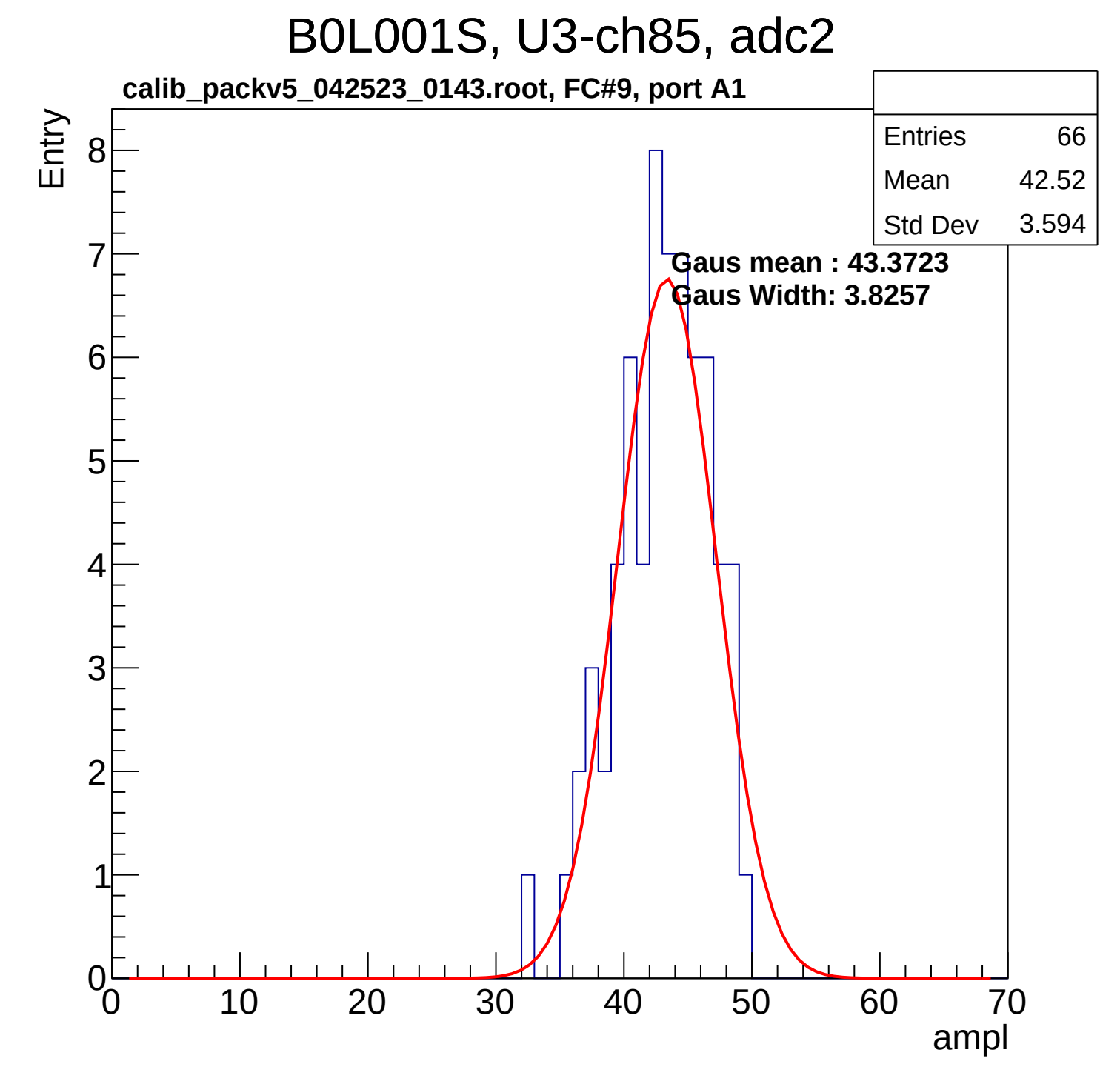
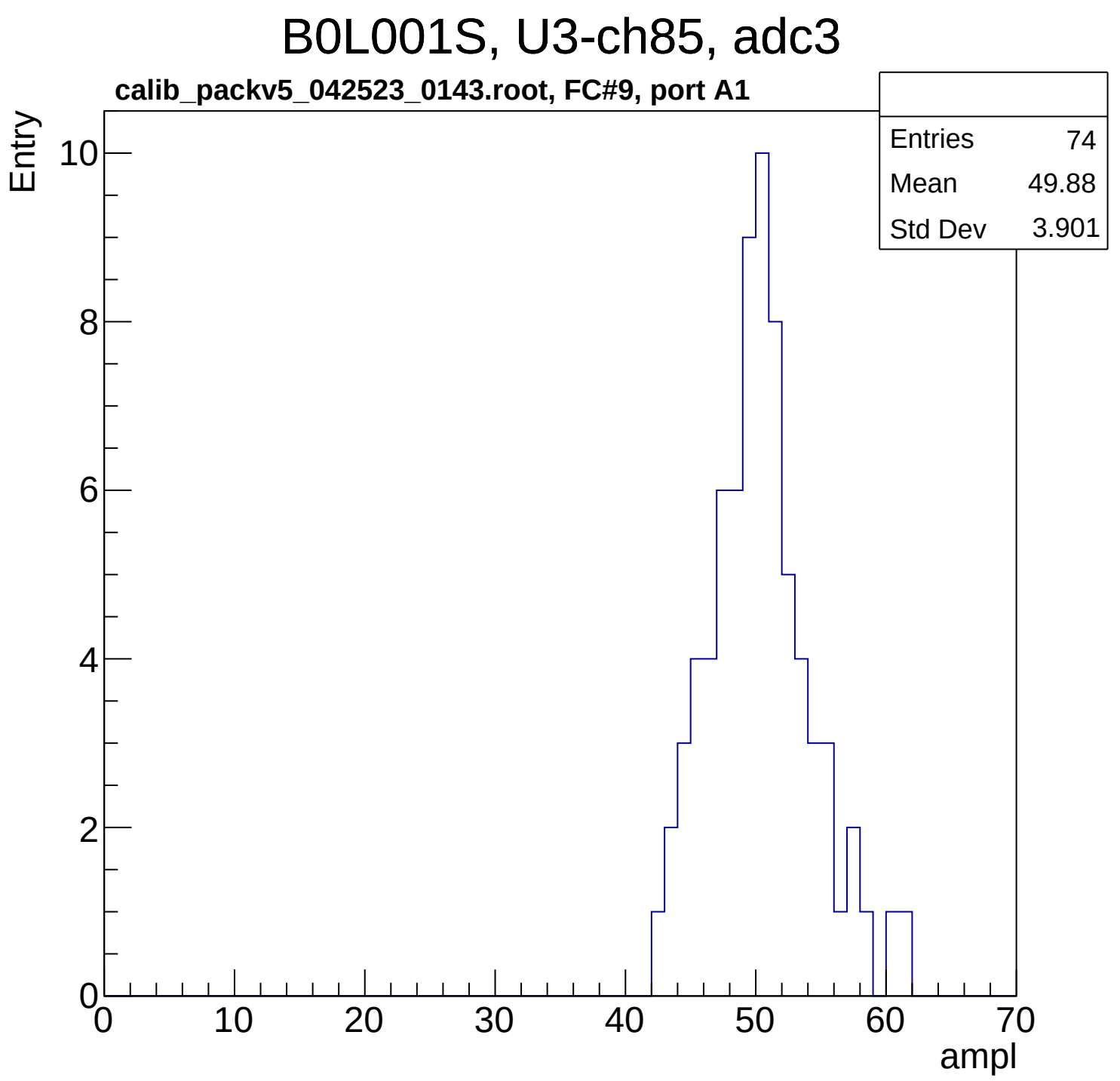
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70

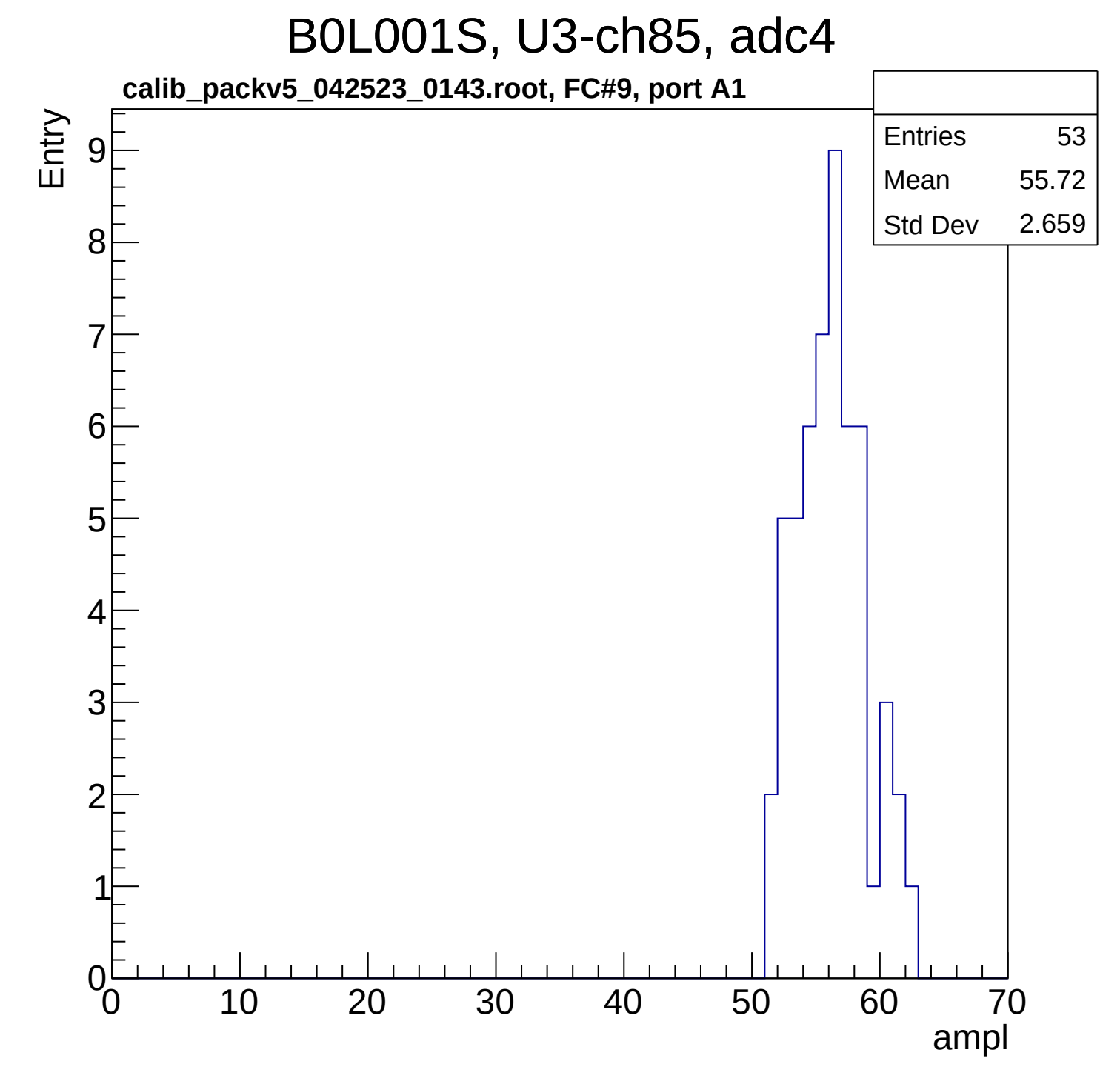

B0L001S, U3-ch84, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

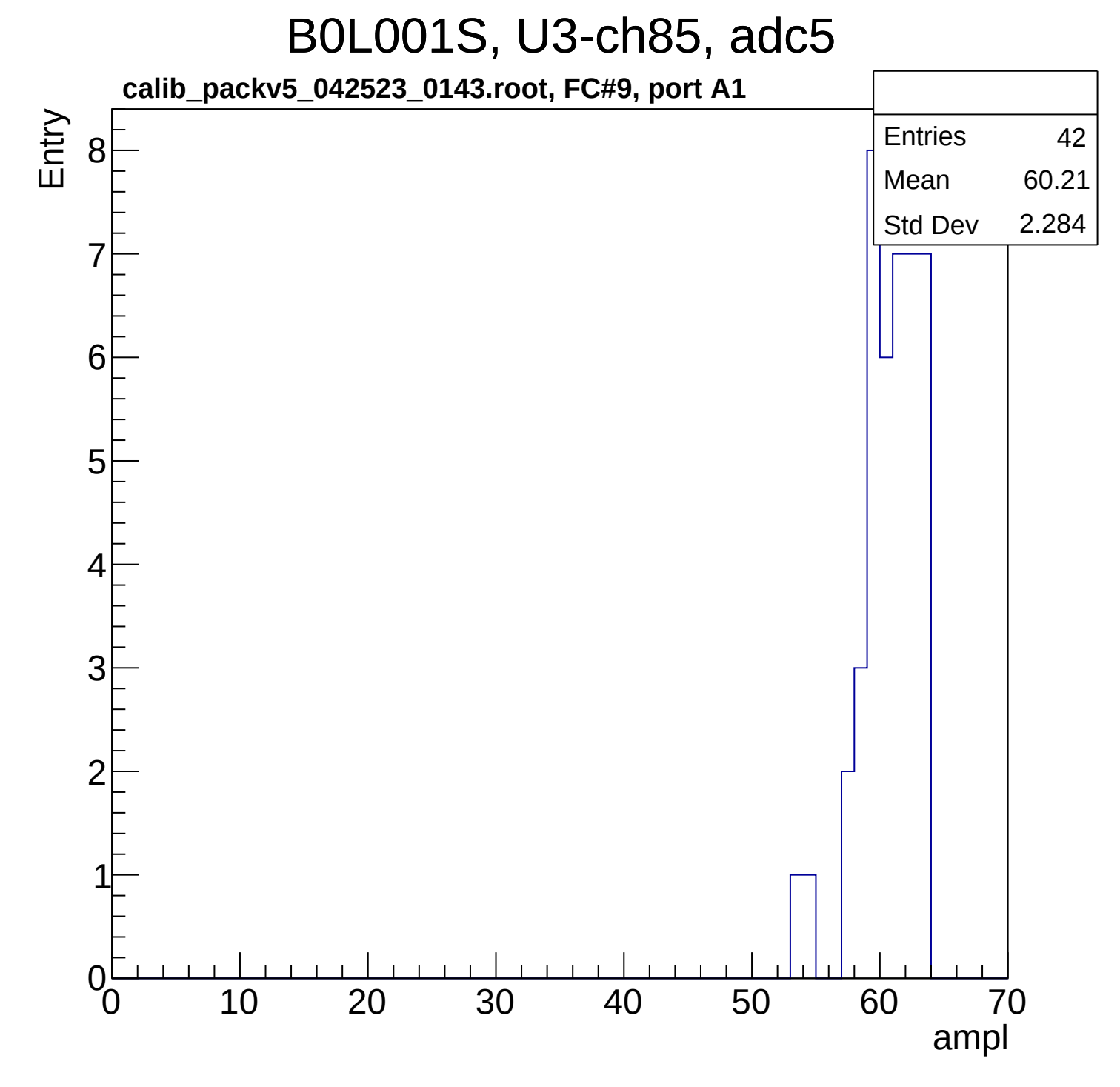

B0L001S, U3-ch85, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 81
Mean 30.38
Std Dev 6.056
Gaus mean : 31.8092
Gaus Width: 4.3102
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

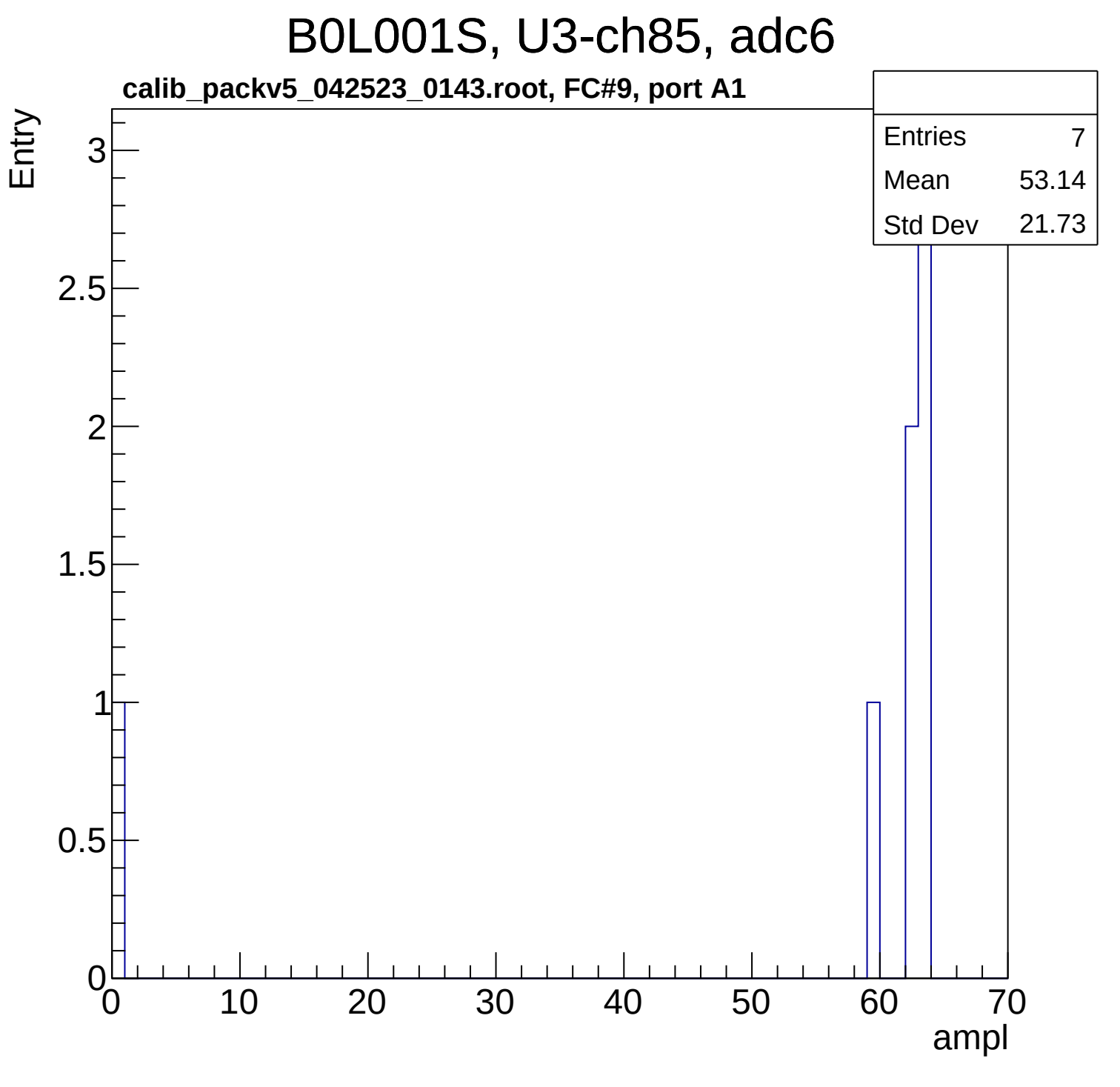

B0L001S, U3-ch85, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 36.89
Std Dev 3.285
Gaus mean : 37.6784
Gaus Width: 3.4068
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

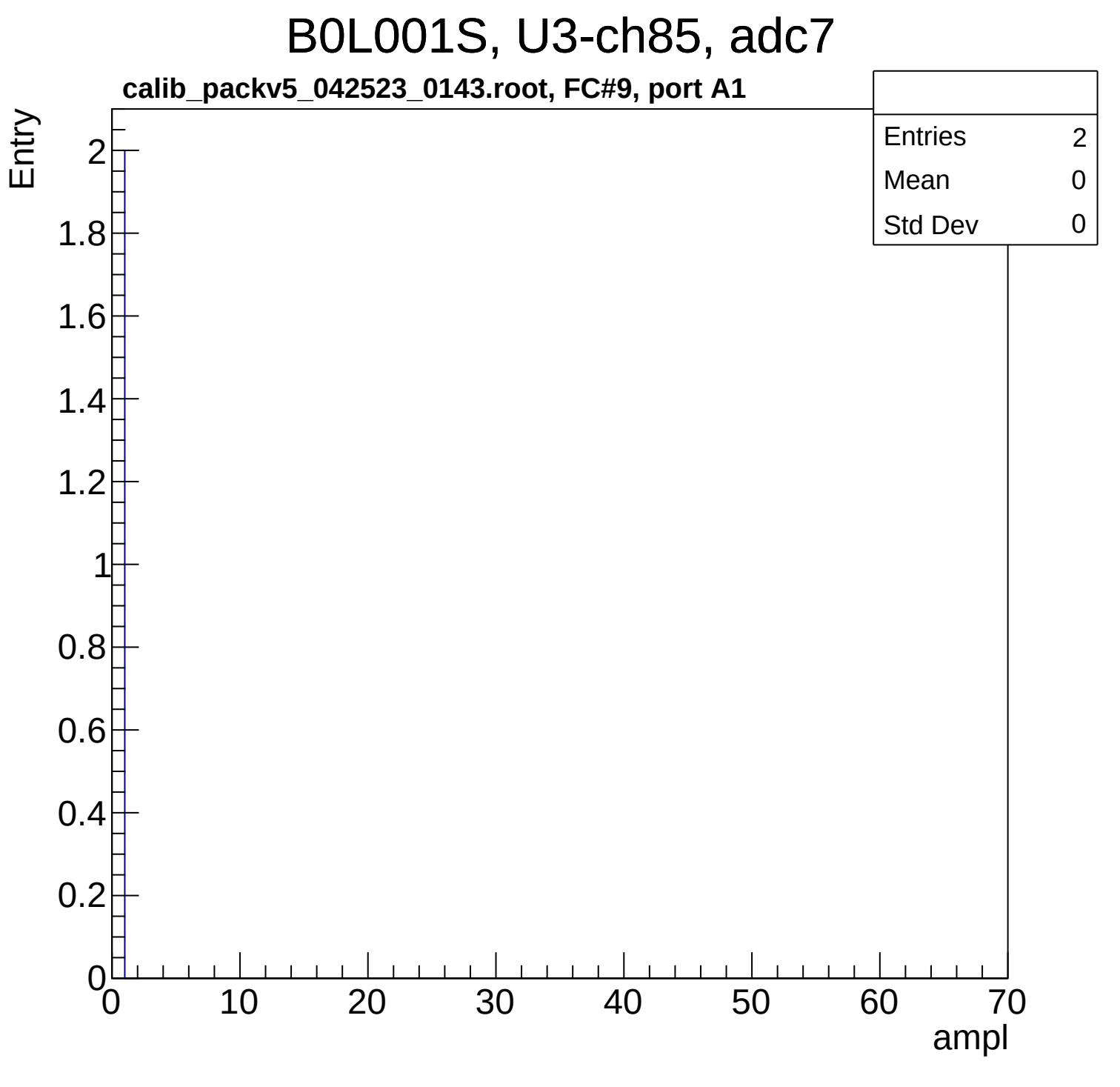

B0L001S, U3-ch85, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 42.52
Std Dev 3.594
Gaus mean : 43.3723
Gaus Width: 3.8257
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

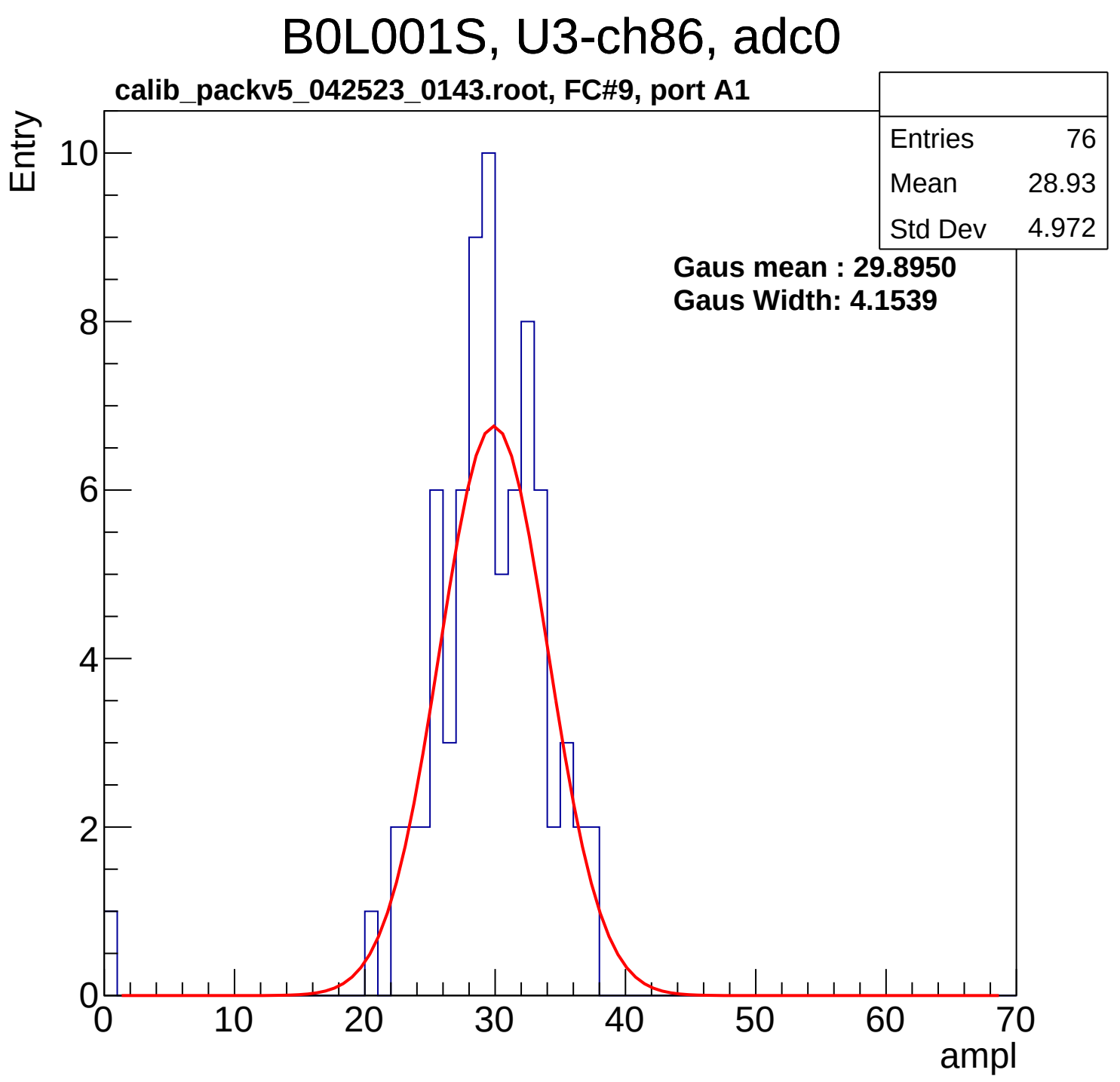

B0L001S, U3-ch85, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 49.88
Std Dev 3.901
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

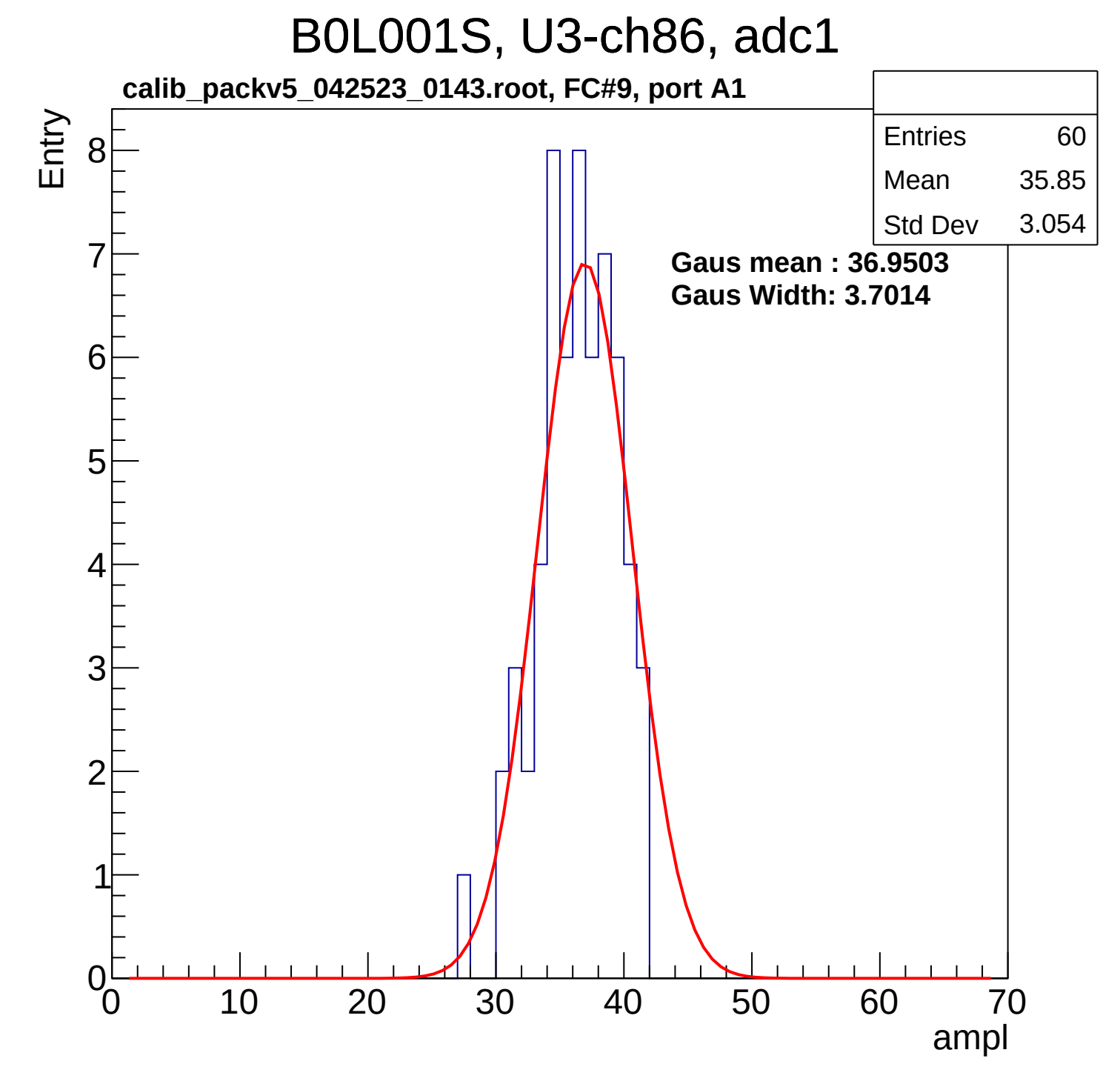

B0L001S, U3-ch85, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 55.72
Std Dev 2.659
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

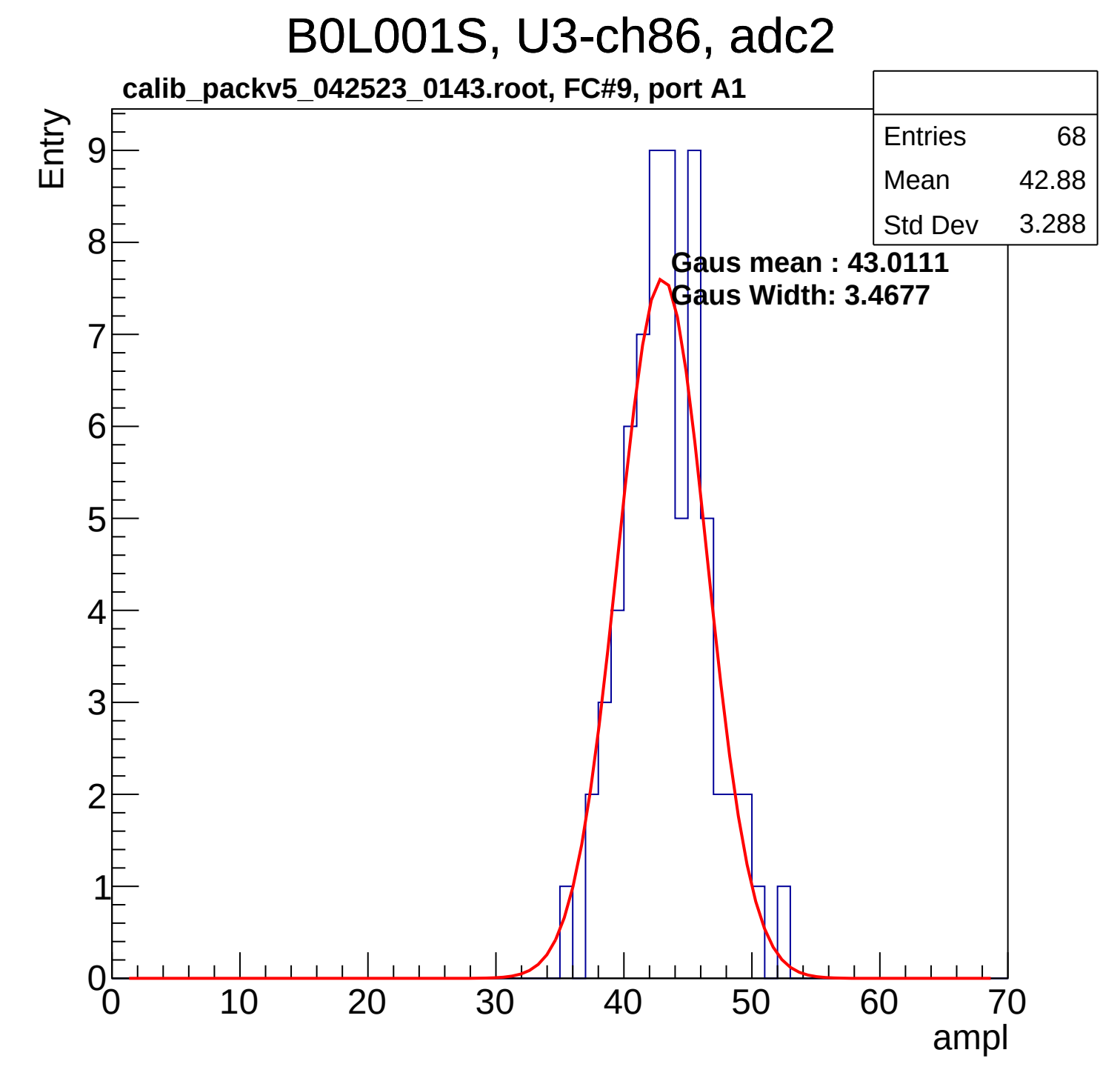

B0L001S, U3-ch85, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 60.21
Std Dev 2.284
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

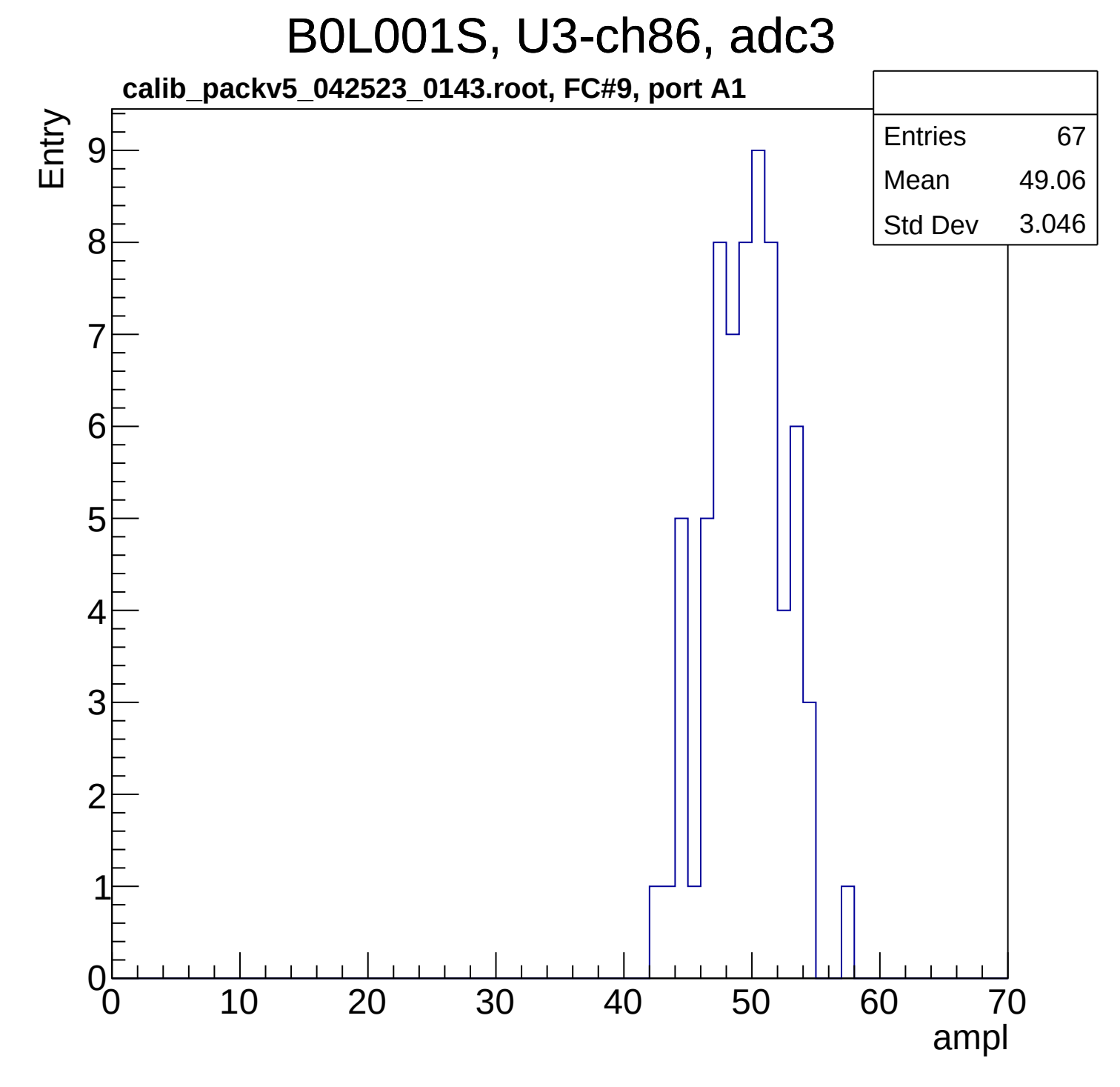

B0L001S, U3-ch85, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53.14
Std Dev 21.73
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl

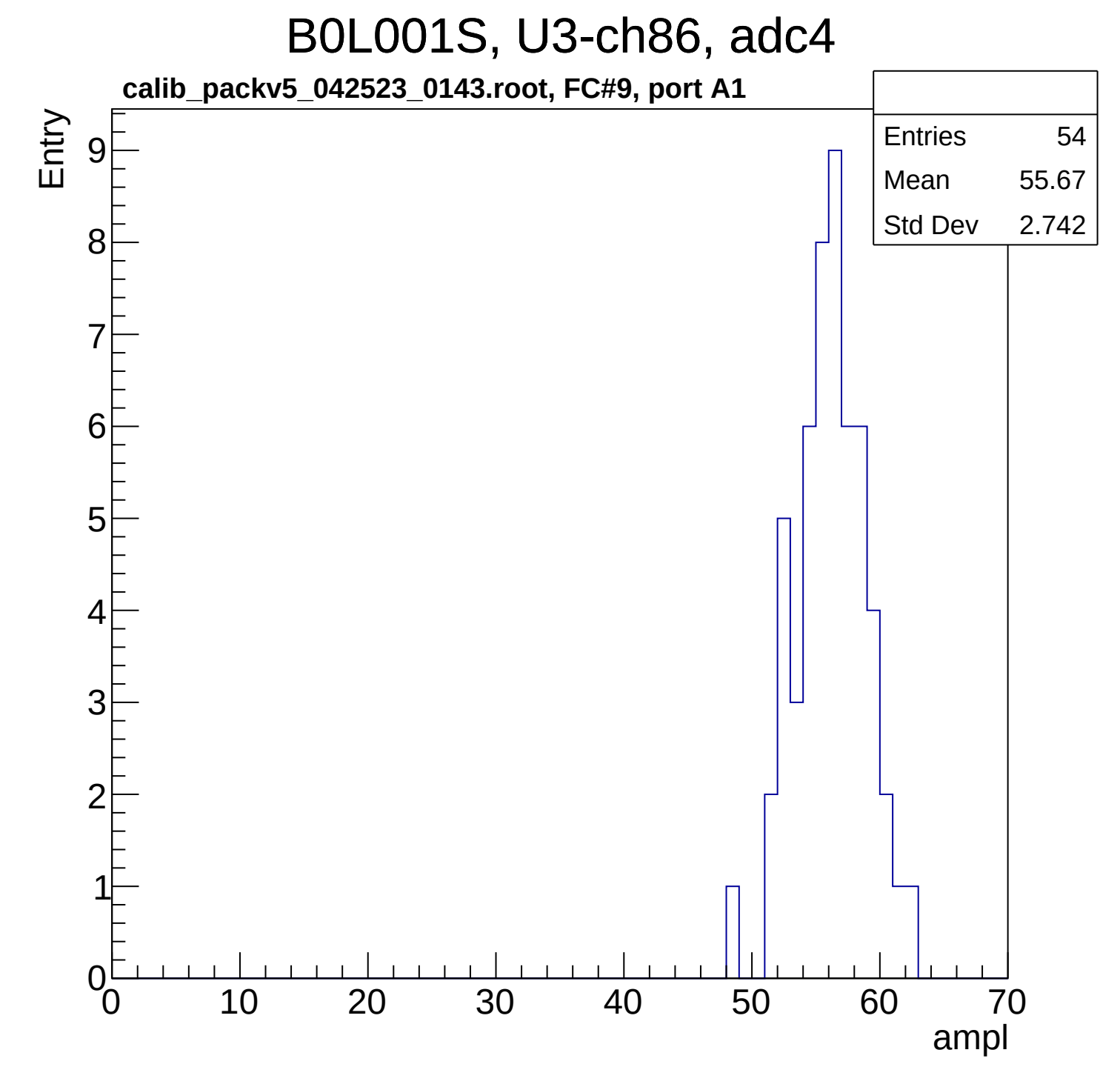

B0L001S, U3-ch85, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

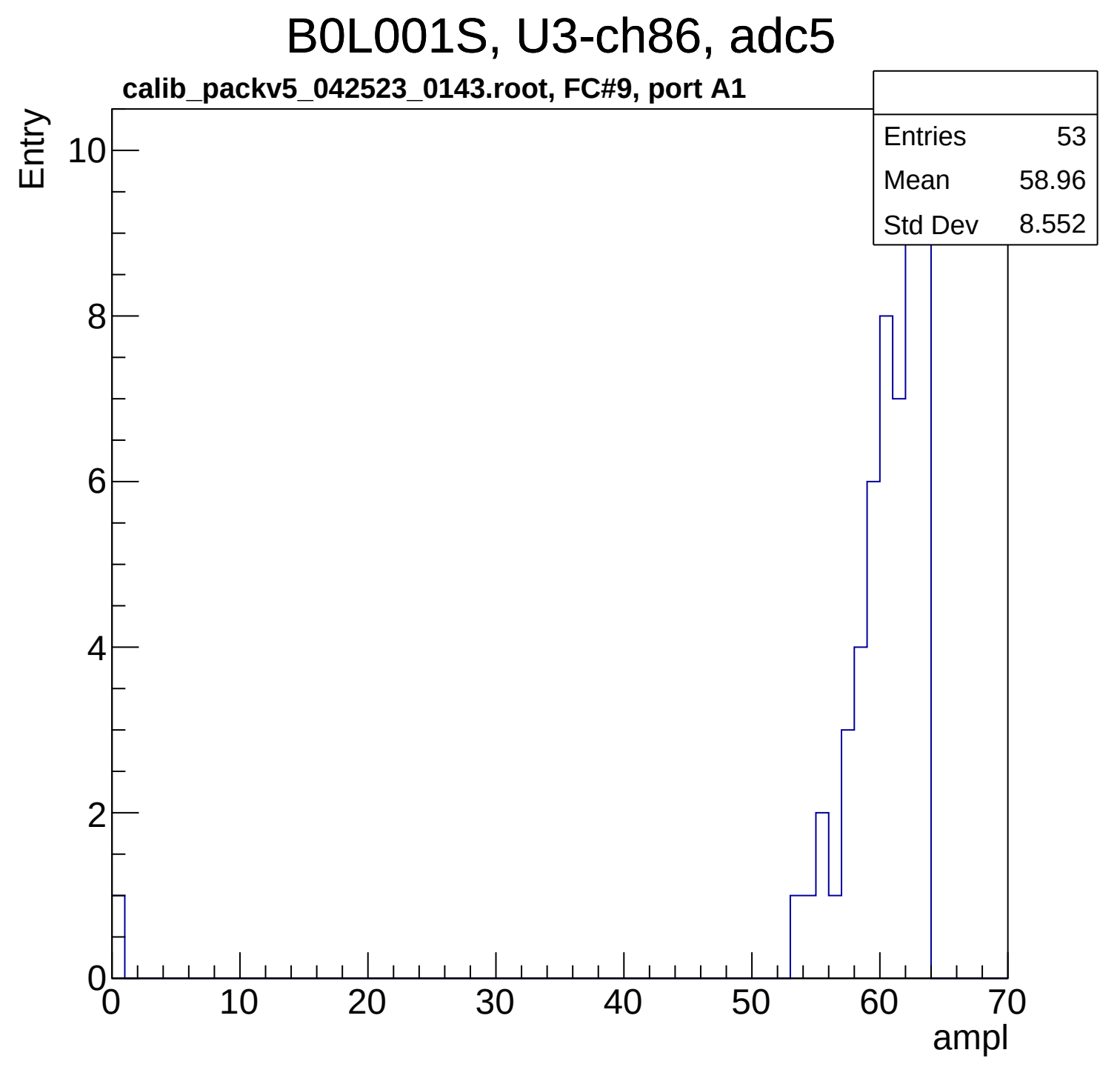

B0L001S, U3-ch86, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 28.93
Std Dev 4.972
Gaus mean : 29.8950
Gaus Width: 4.1539
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

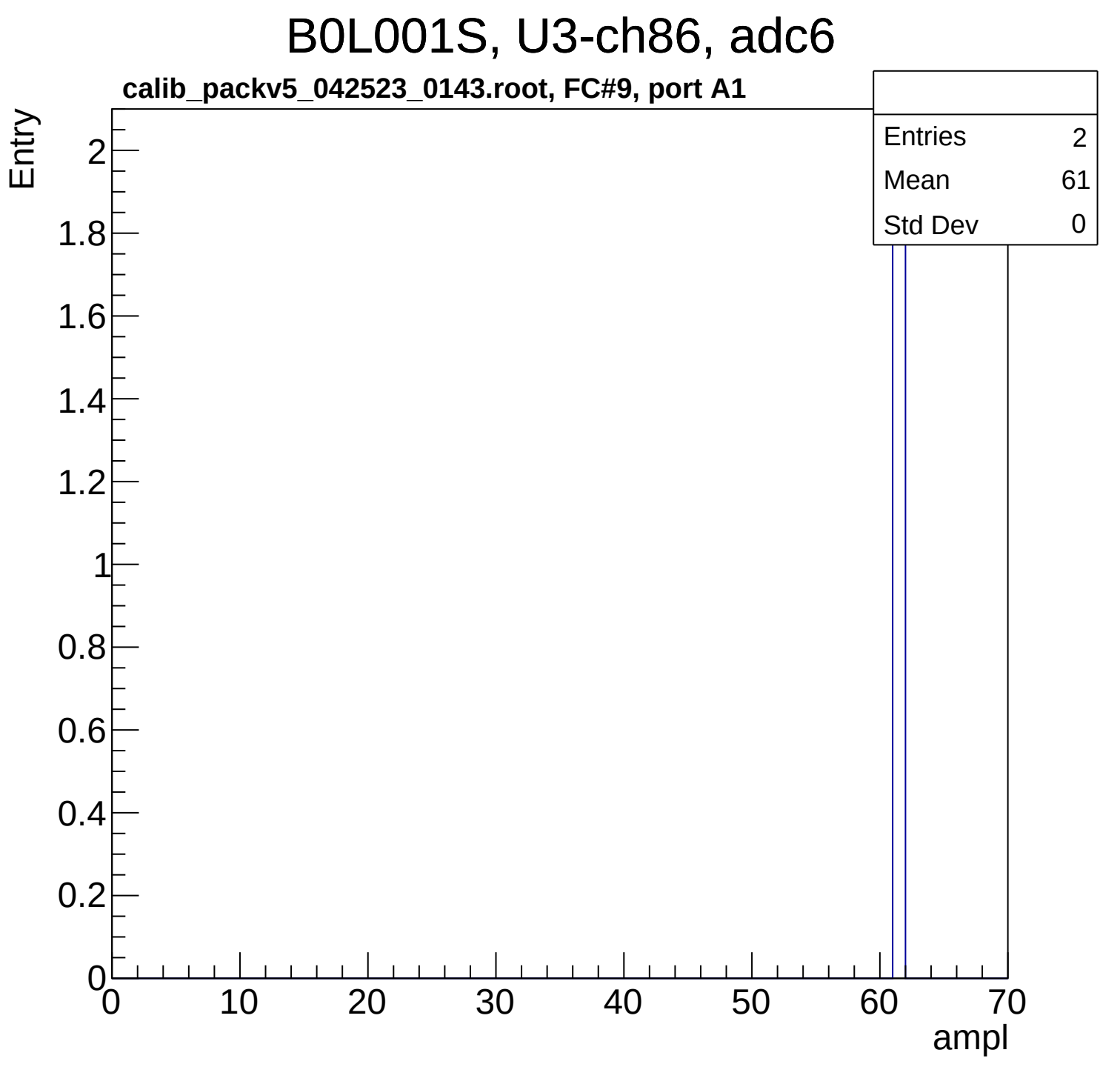

B0L001S, U3-ch86, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 35.85
Std Dev 3.054
Gaus mean : 36.9503
Gaus Width: 3.7014
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

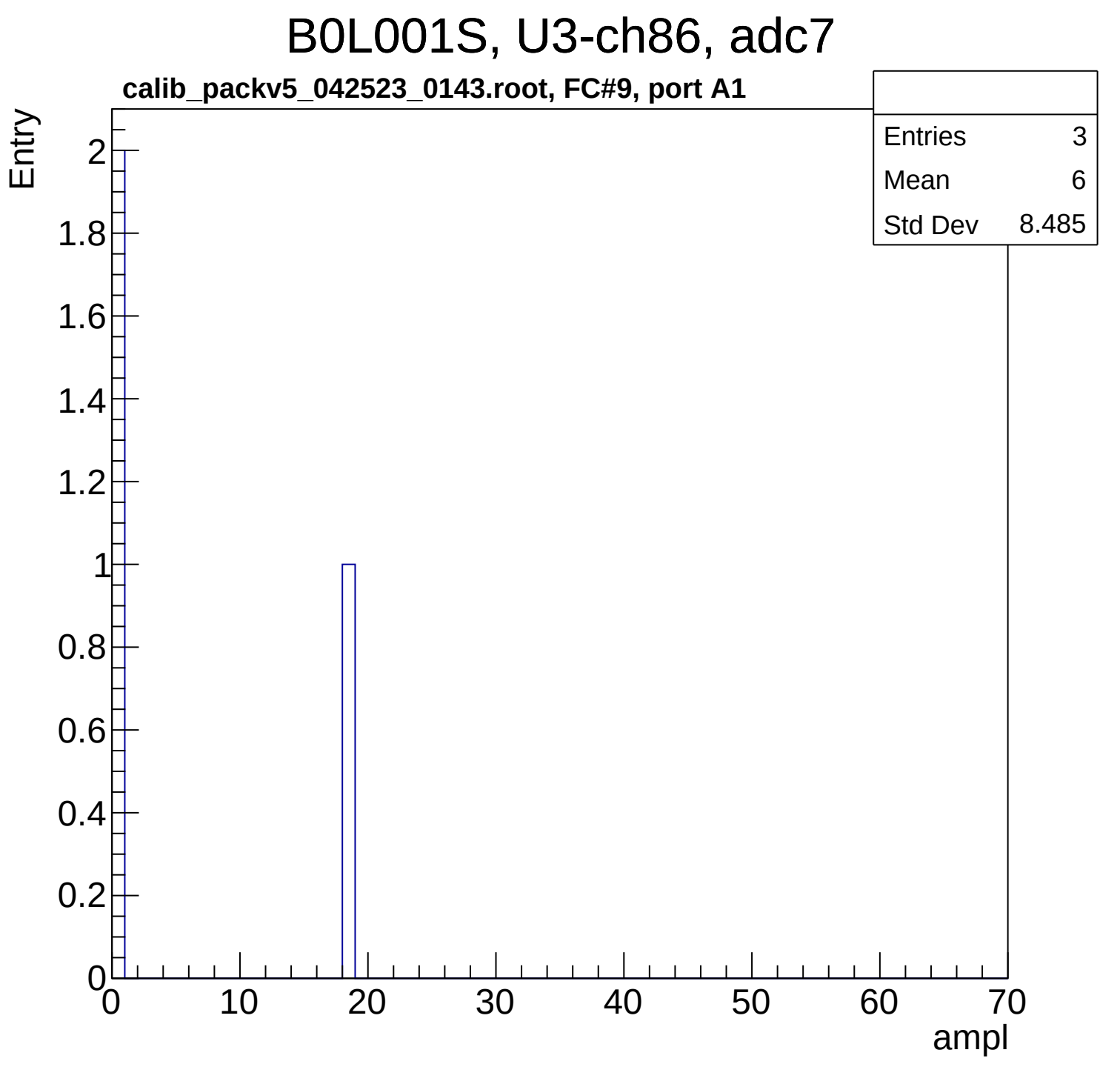

B0L001S, U3-ch86, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 42.88
Std Dev 3.288
Gaus mean : 43.0111
Gaus Width: 3.4677
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

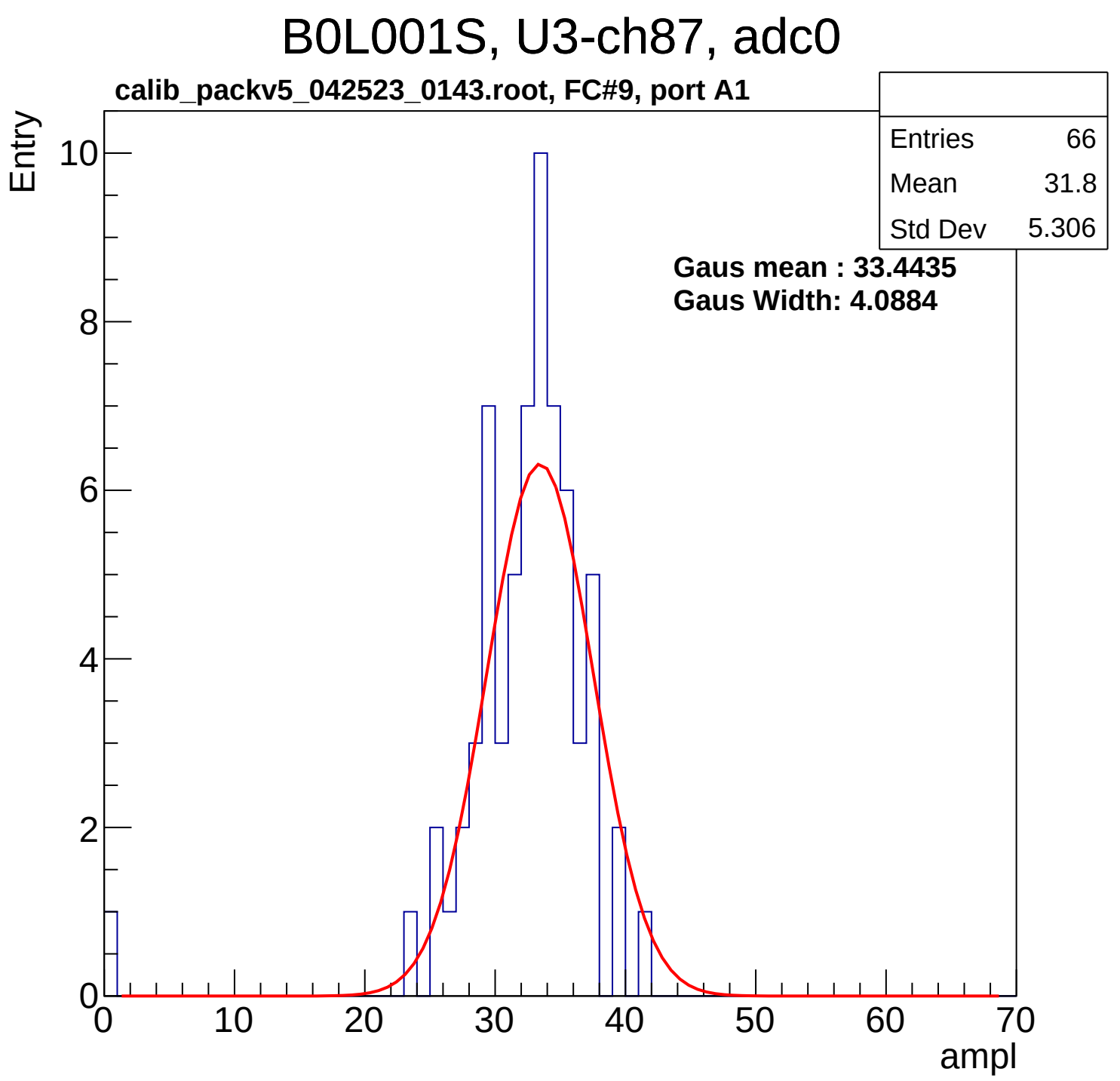

B0L001S, U3-ch86, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 49.06
Std Dev 3.046
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

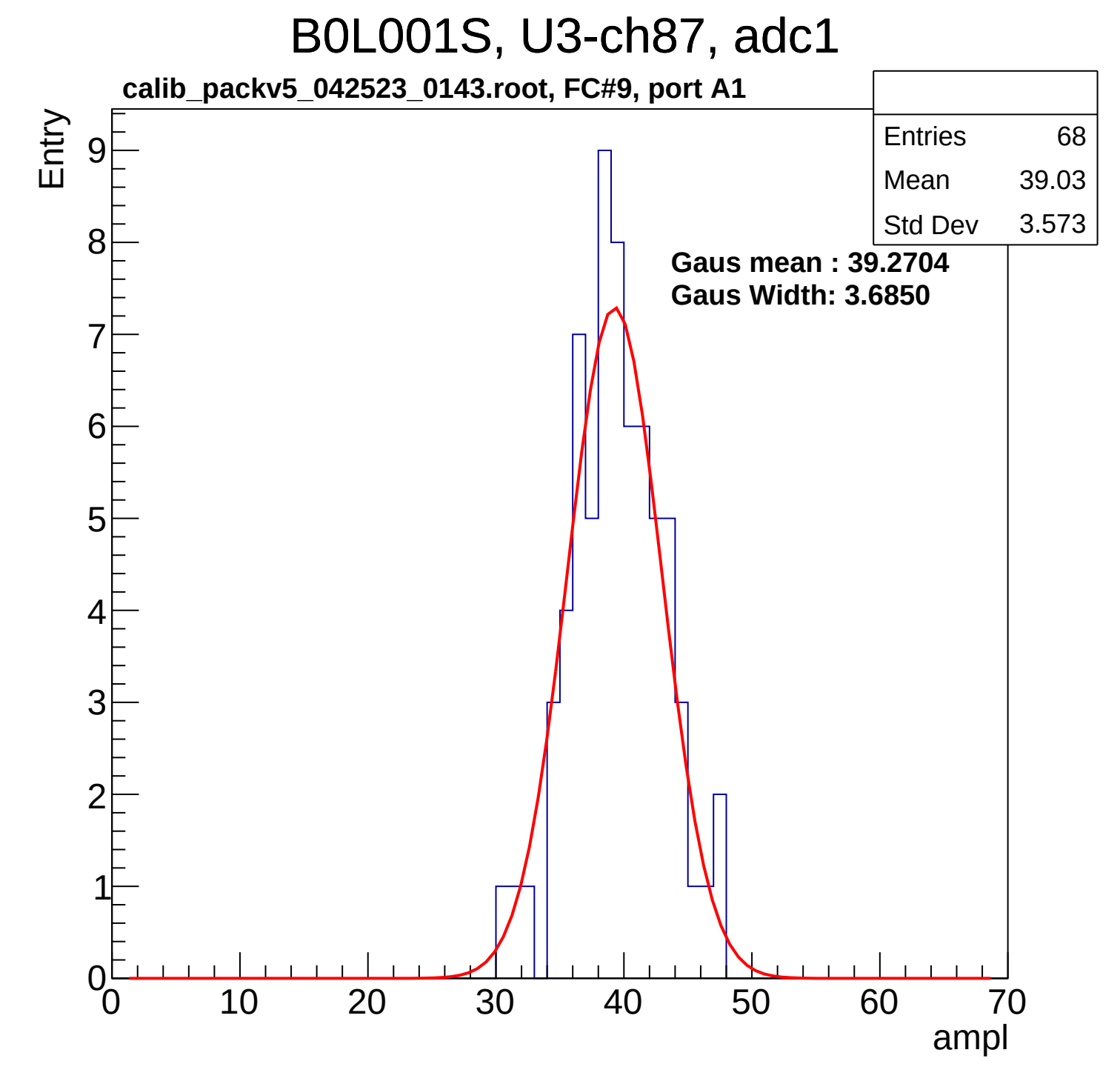

B0L001S, U3-ch86, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 55.67
Std Dev 2.742
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

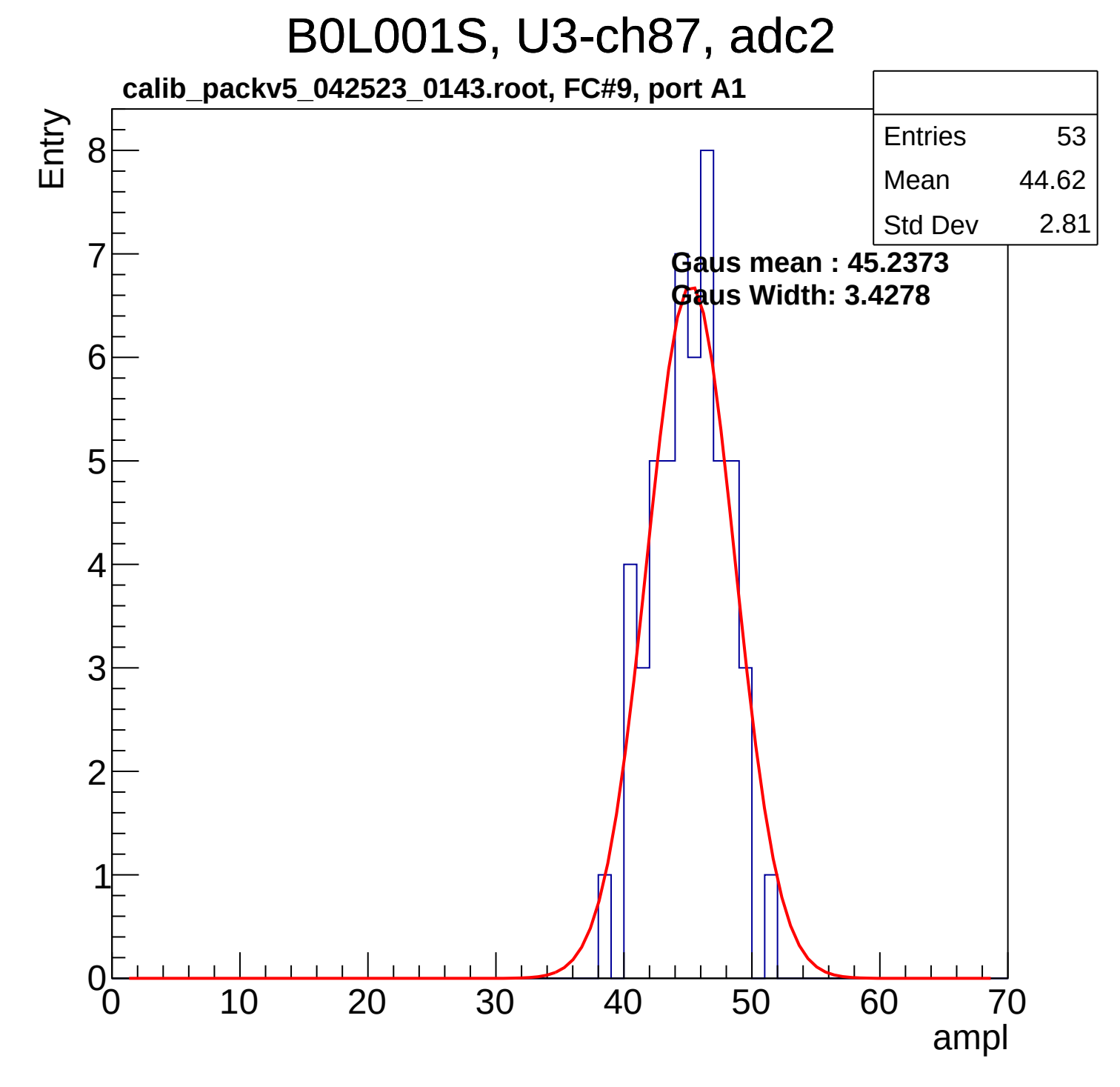

B0L001S, U3-ch86, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 58.96
Std Dev 8.552
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

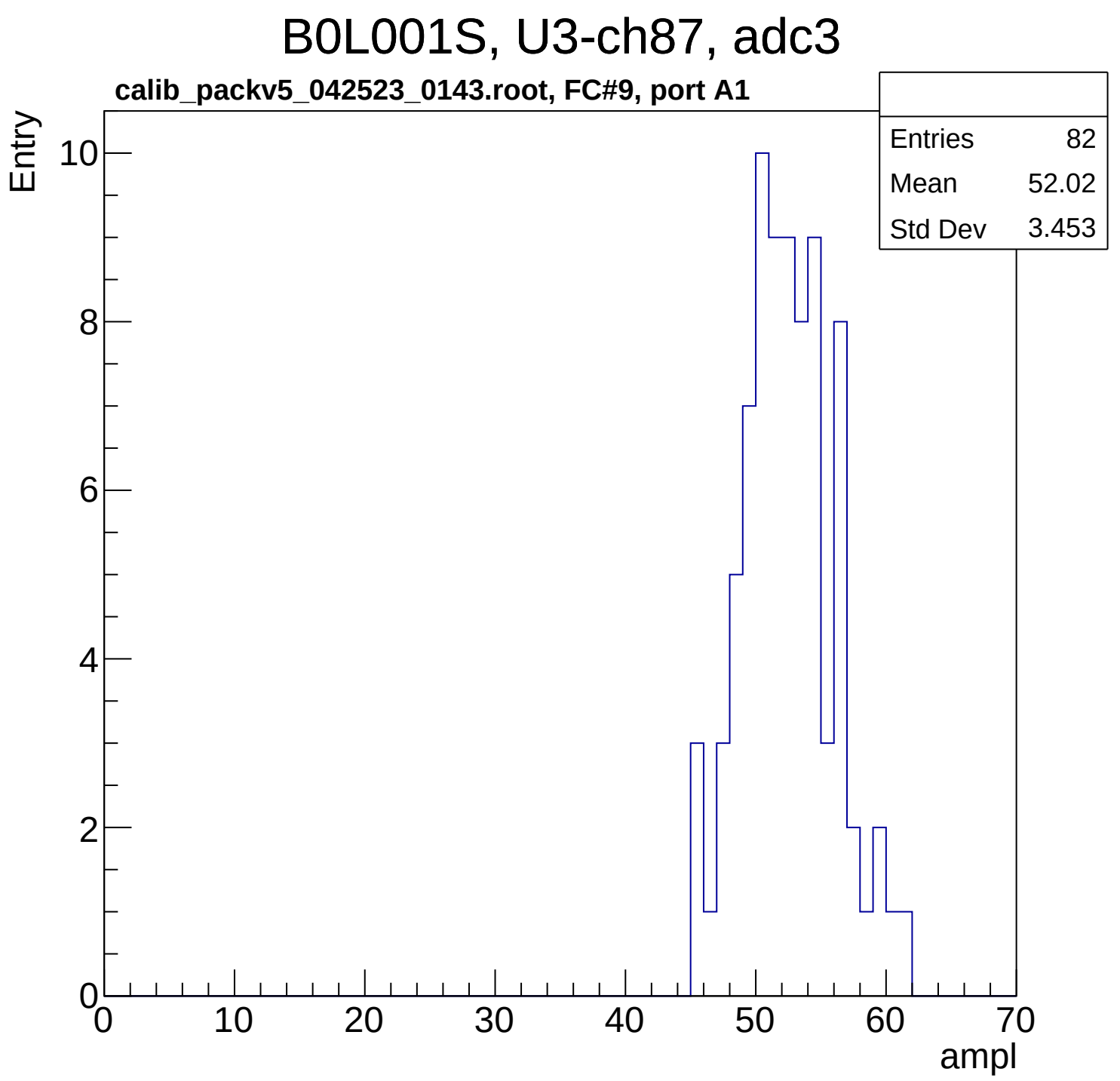

B0L001S, U3-ch86, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 61
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

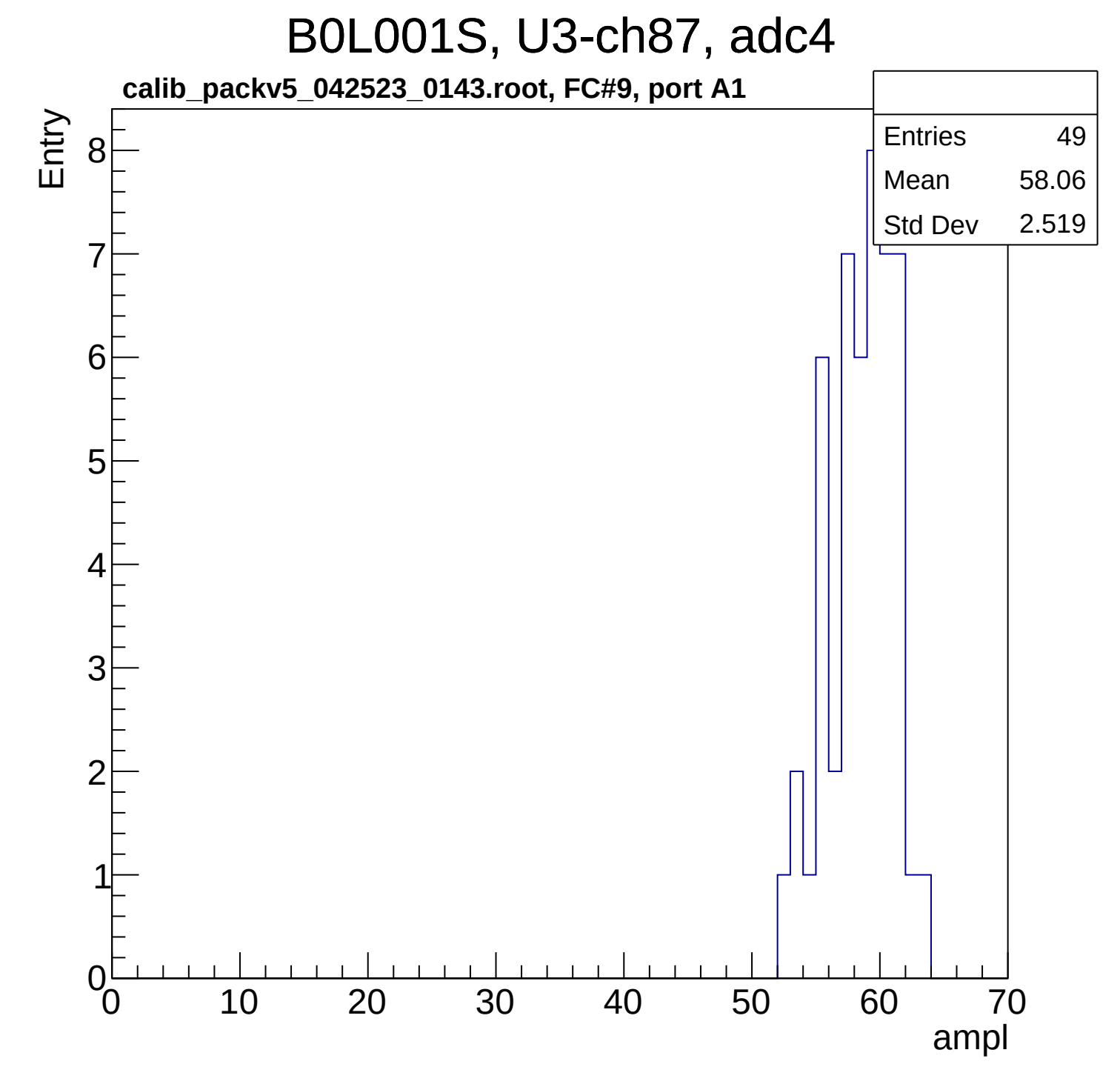

B0L001S, U3-ch86, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 6
Std Dev 8.485
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch87, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 31.8
Std Dev 5.306
Gaus mean : 33.4435
Gaus Width: 4.0884
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch87, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 39.03
Std Dev 3.573
Gaus mean : 39.2704
Gaus Width: 3.6850
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L001S, U3-ch87, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 44.62
Std Dev 2.81
Gaus mean : 45.2373
Gaus Width: 3.4278
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch87, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 82
Mean 52.02
Std Dev 3.453
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch87, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 58.06
Std Dev 2.519
Entry
ampl
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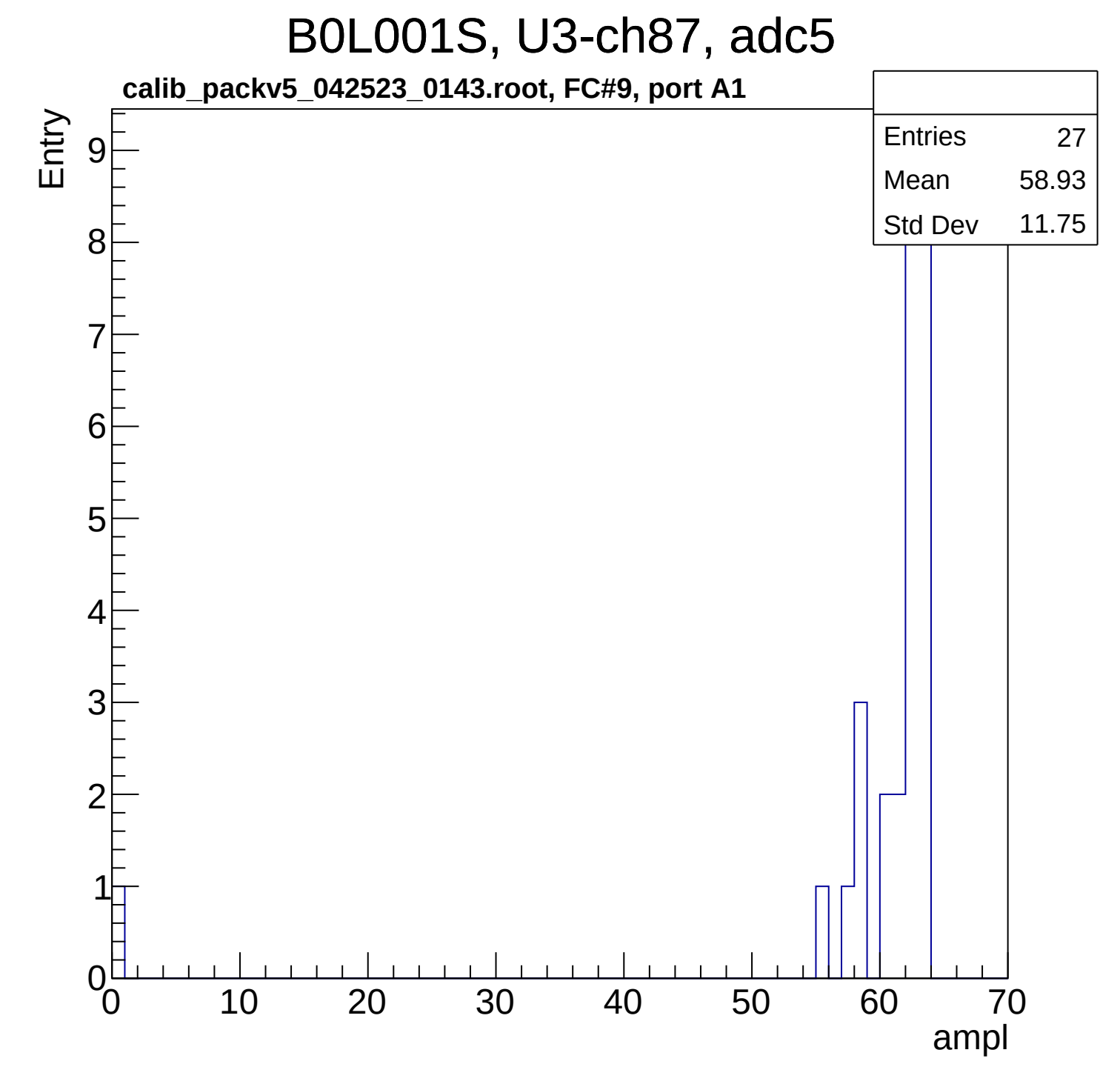
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch87, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 27
Mean 58.93
Std Dev 11.75
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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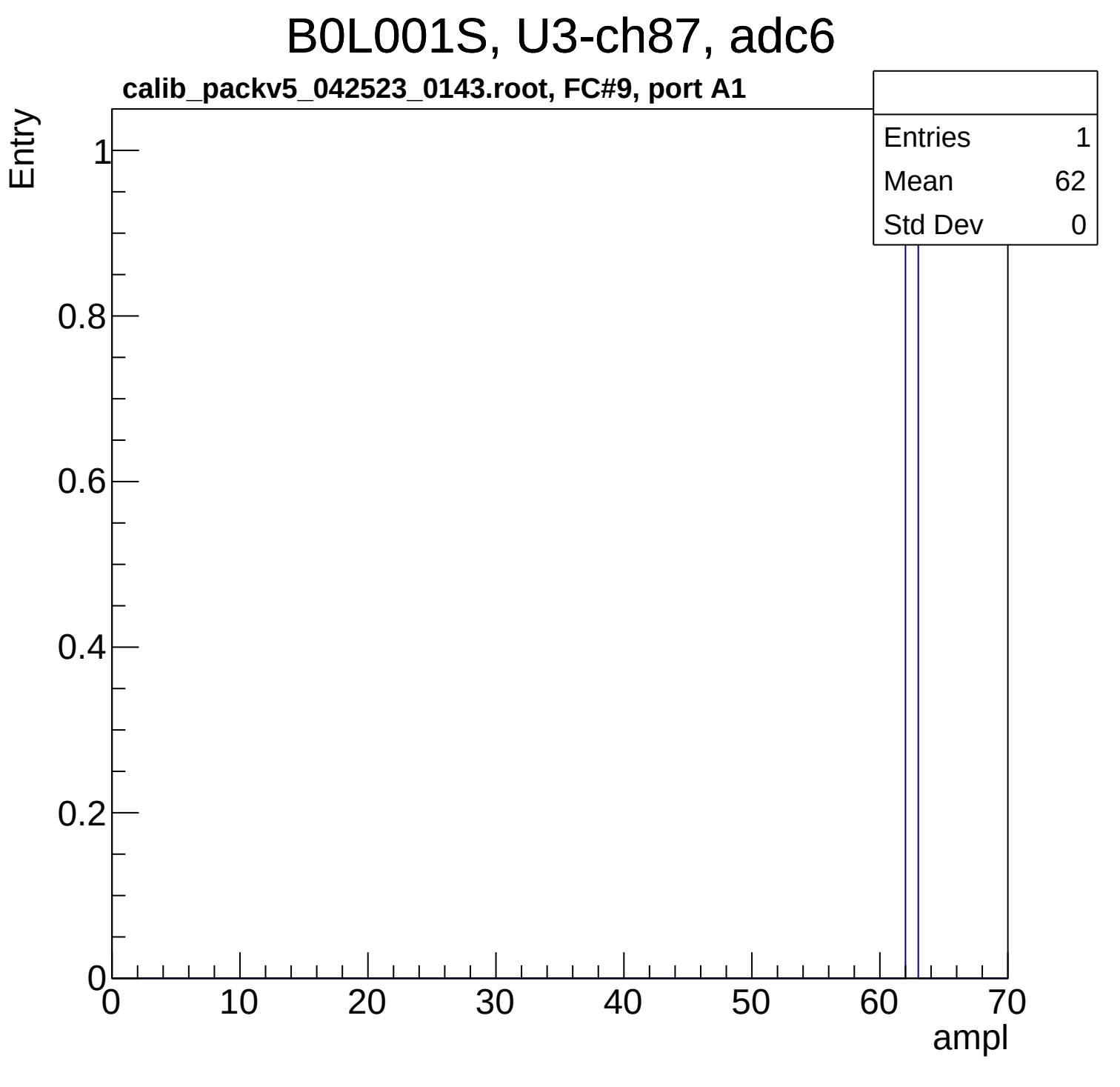
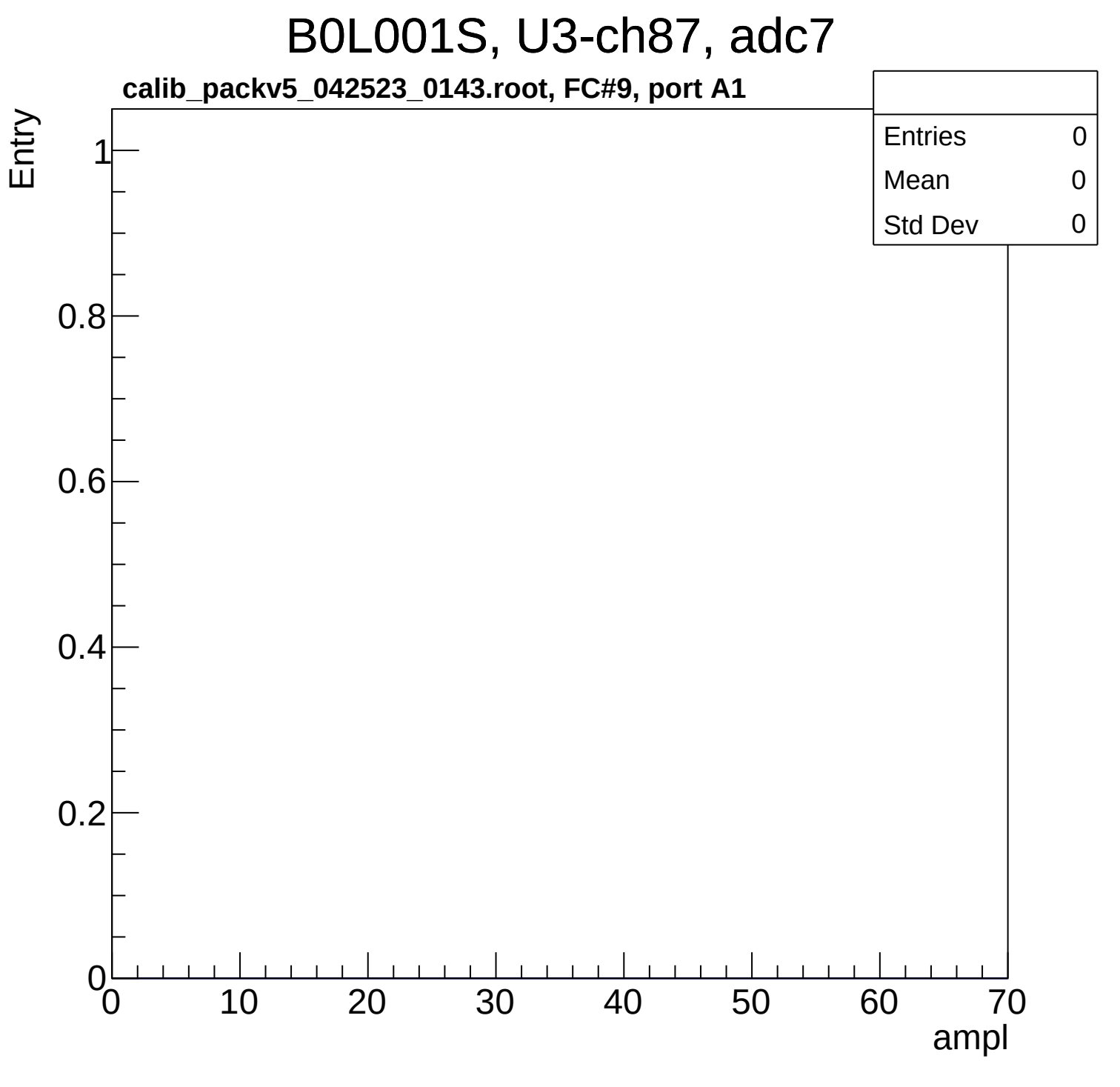
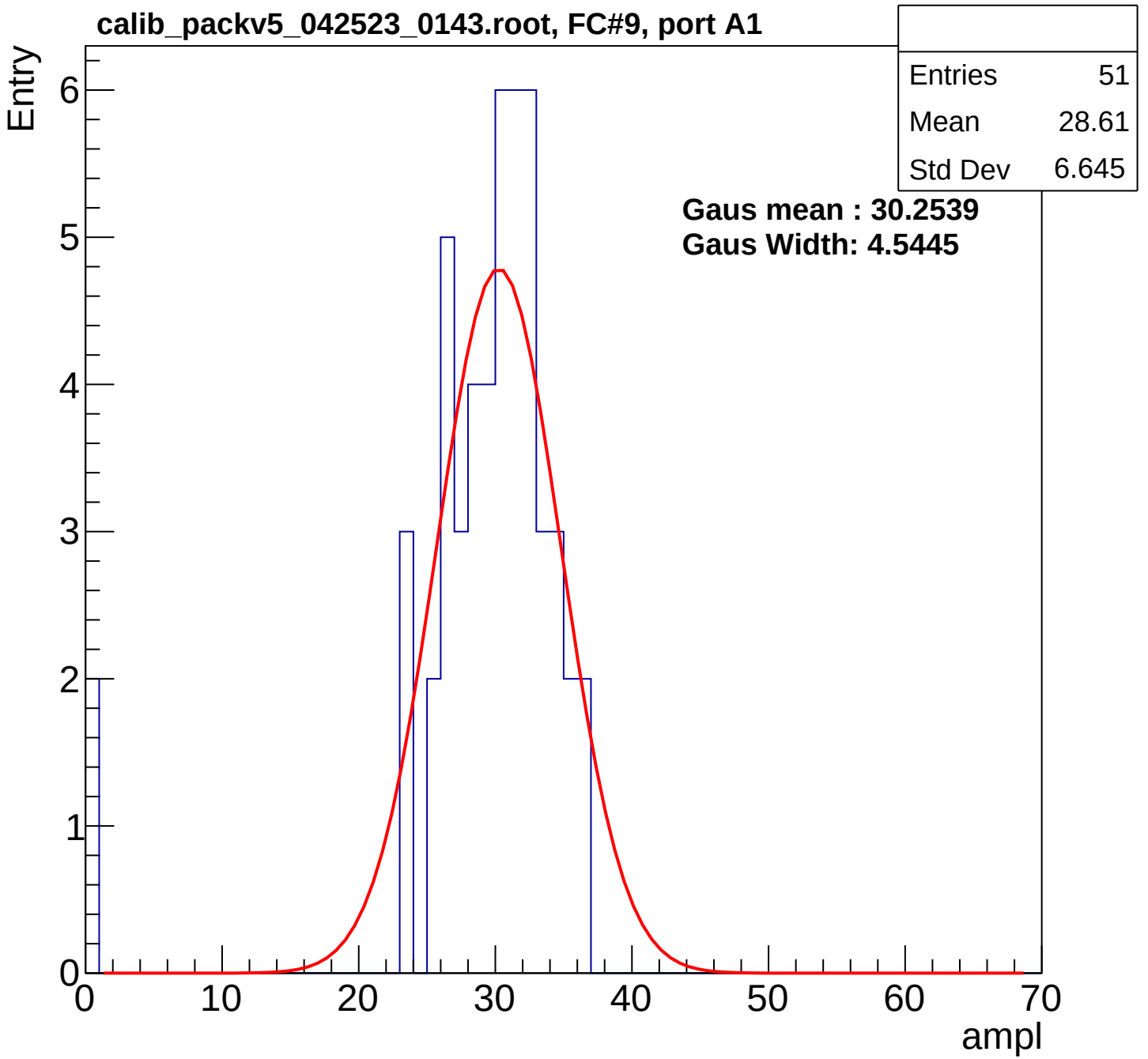
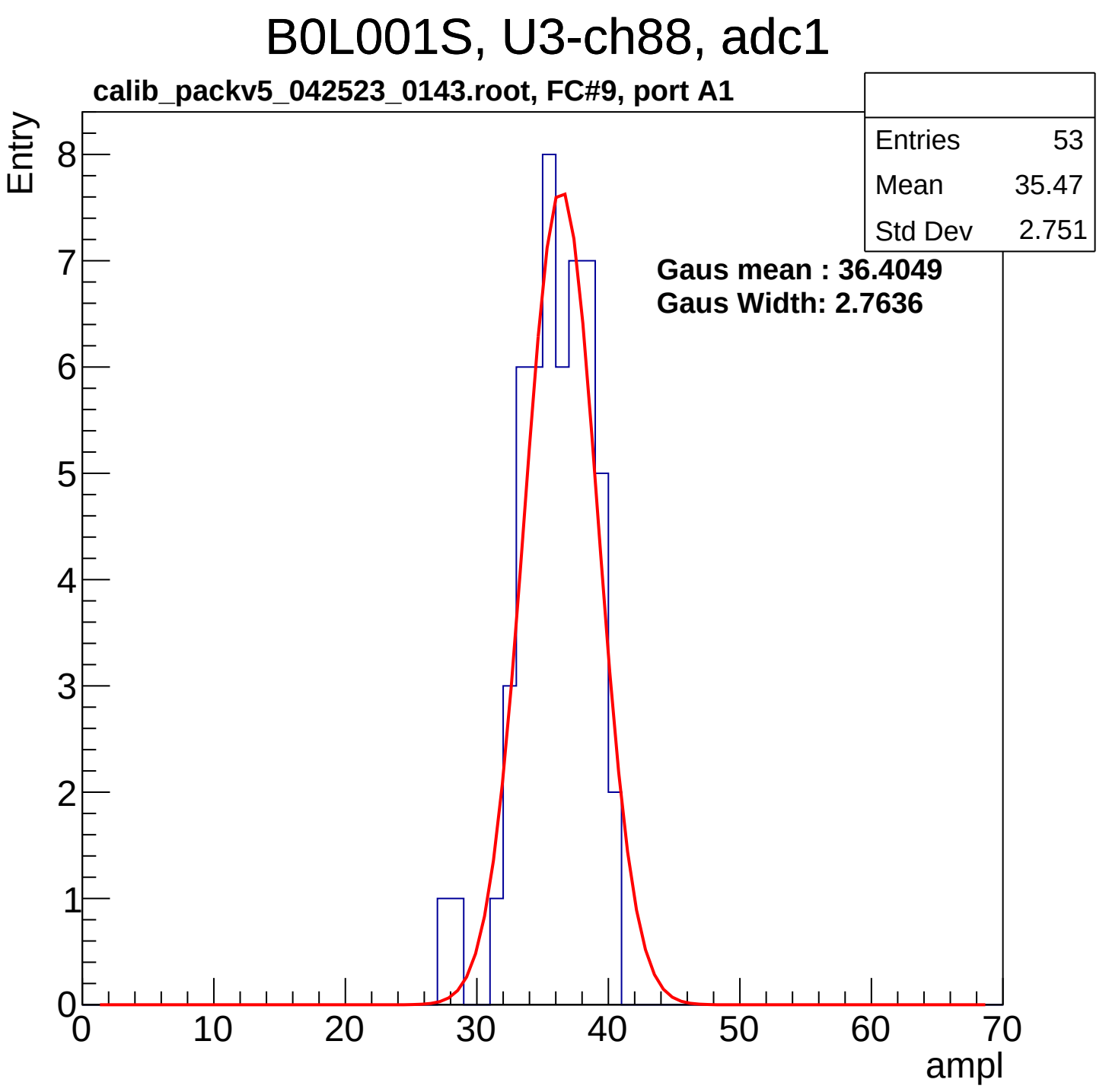

B0L001S, U3-ch87, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 62
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch87, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch88, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 28.61
Std Dev 6.645
Gaus mean : 30.2539
Gaus Width: 4.5445
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch88, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 35.47
Std Dev 2.751
Gaus mean : 36.4049
Gaus Width: 2.7636
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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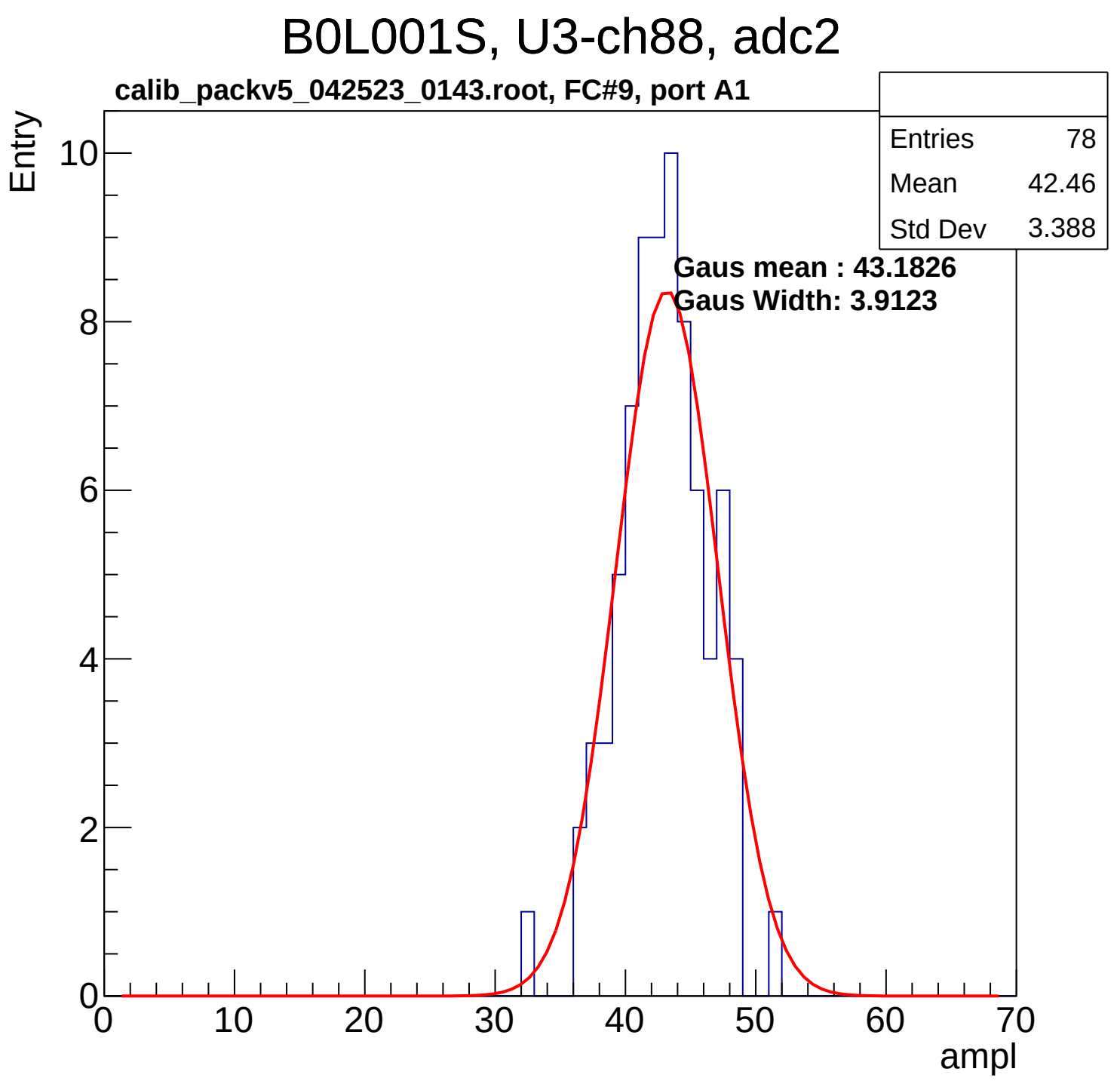
B0L001S, U3-ch88, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 42.46
Std Dev 3.388
Gaus mean : 43.1826
Gaus Width: 3.9123
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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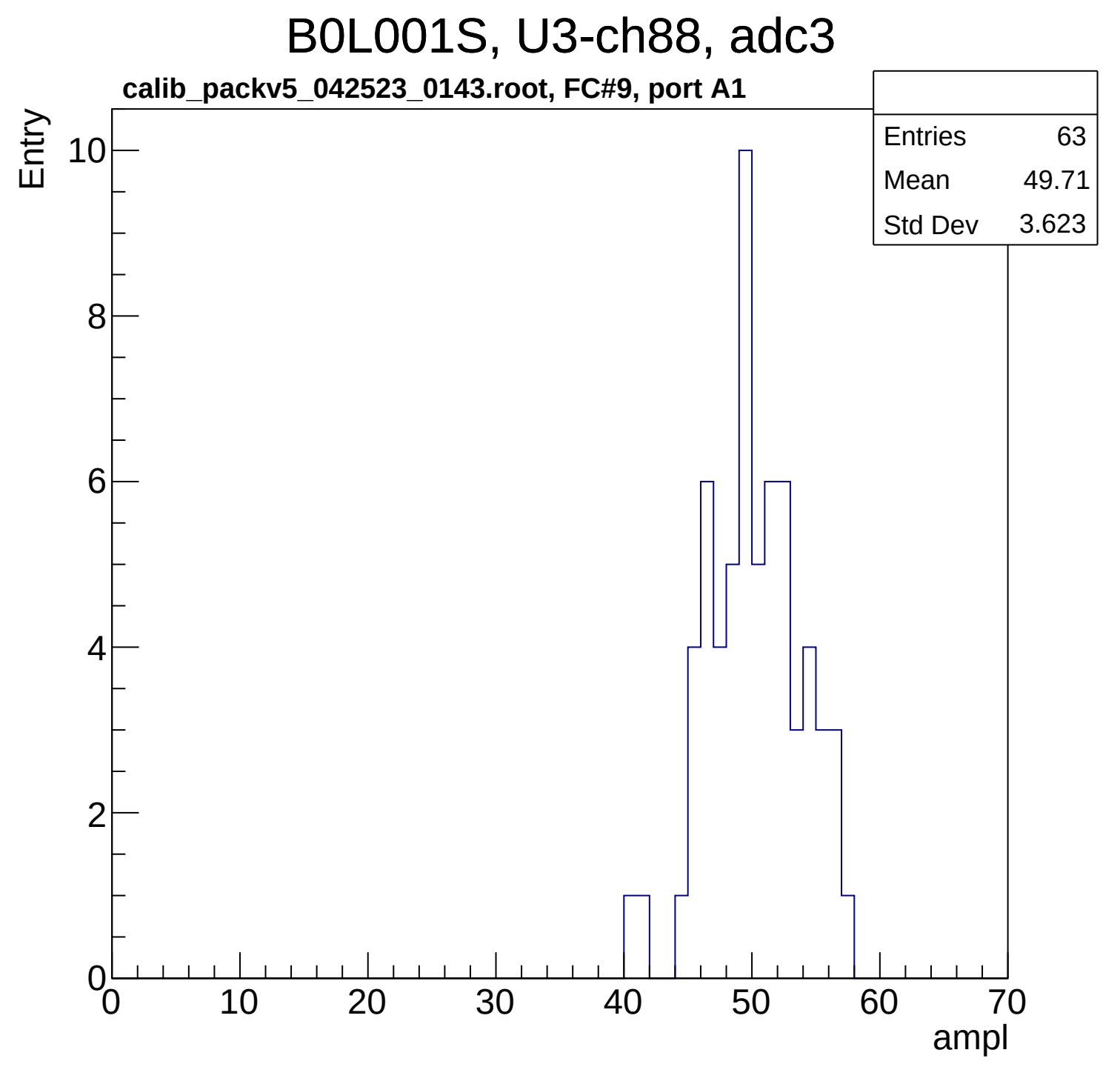
B0L001S, U3-ch88, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 49.71
Std Dev 3.623
Entry
ampl
0
2
4
6
8
10
0
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20
30
40
50
60
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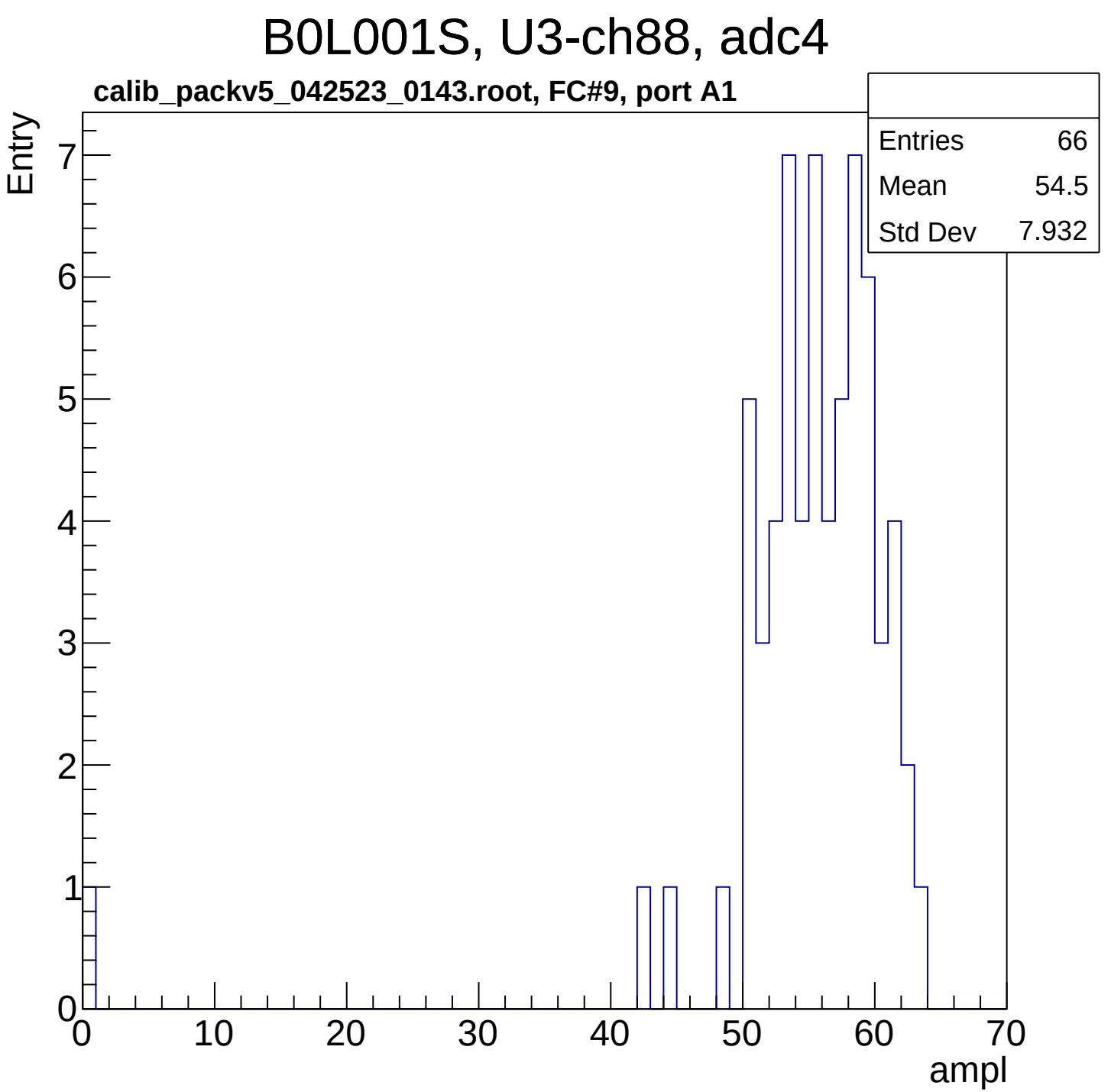
B0L001S, U3-ch88, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 54.5
Std Dev 7.932
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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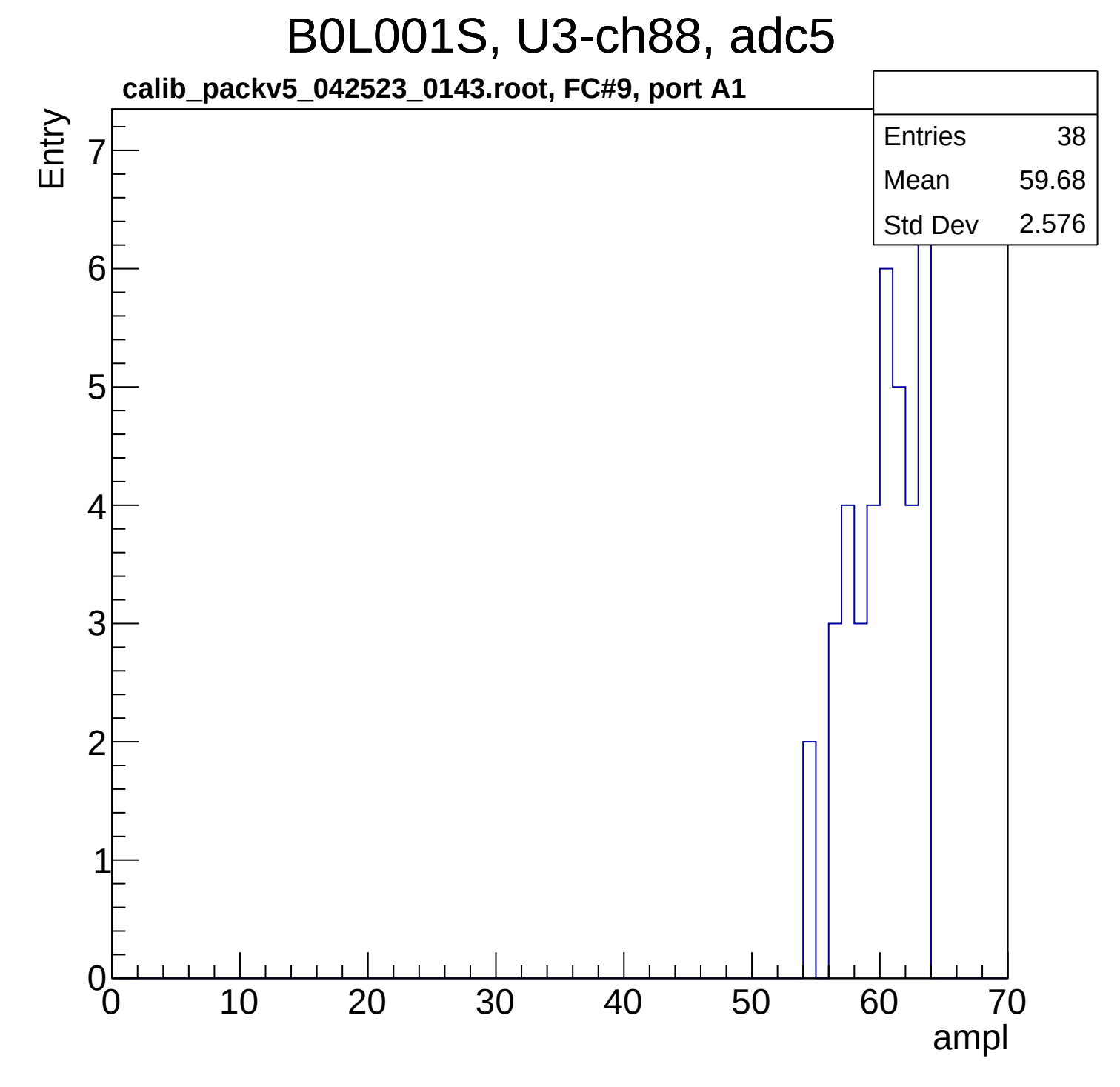
B0L001S, U3-ch88, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 59.68
Std Dev 2.576
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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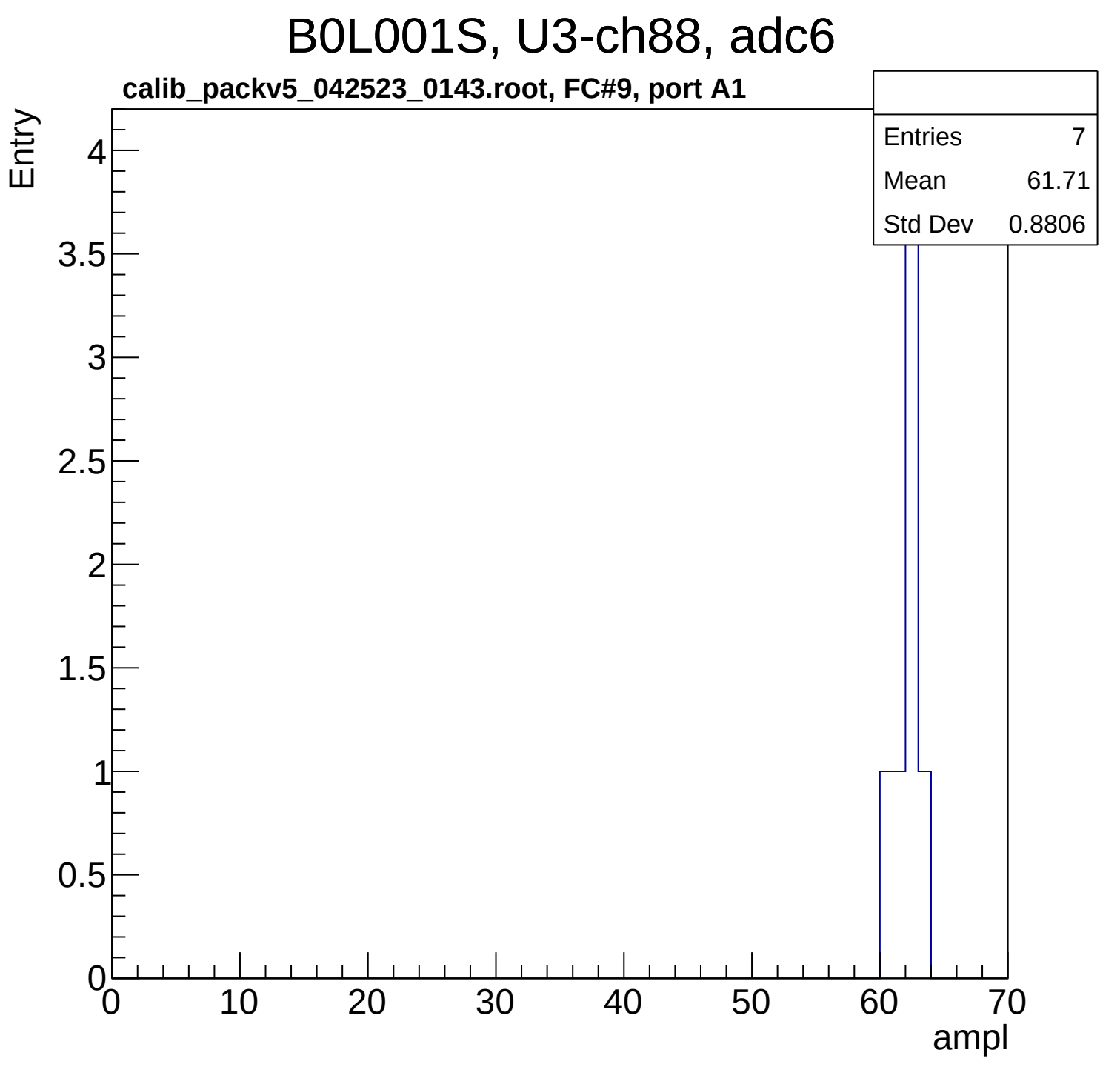
B0L001S, U3-ch88, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 61.71
Std Dev 0.8806
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
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60
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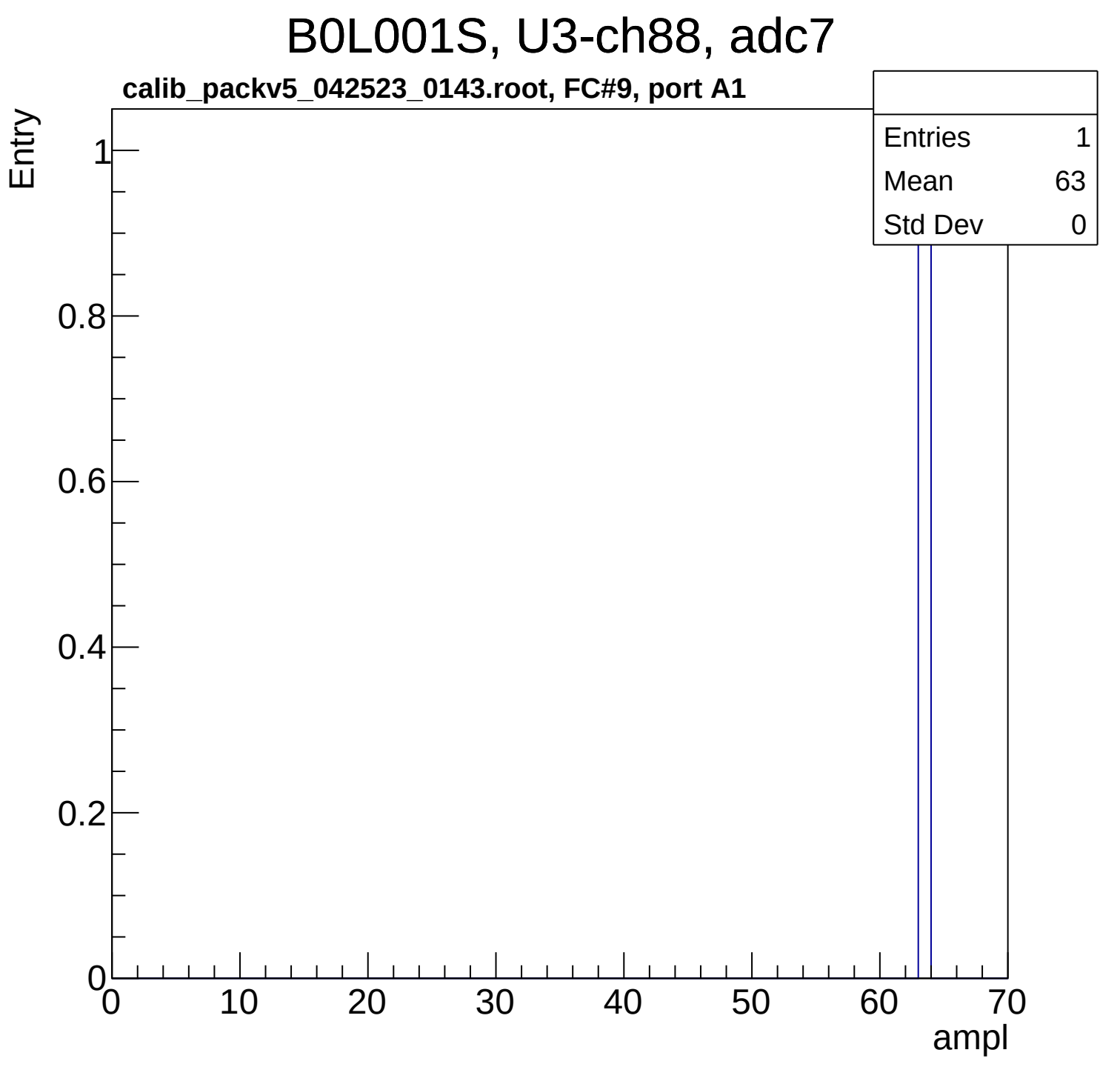
B0L001S, U3-ch88, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 63
Std Dev 0
Entry
1
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0.6
0.4
0.2
0
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10
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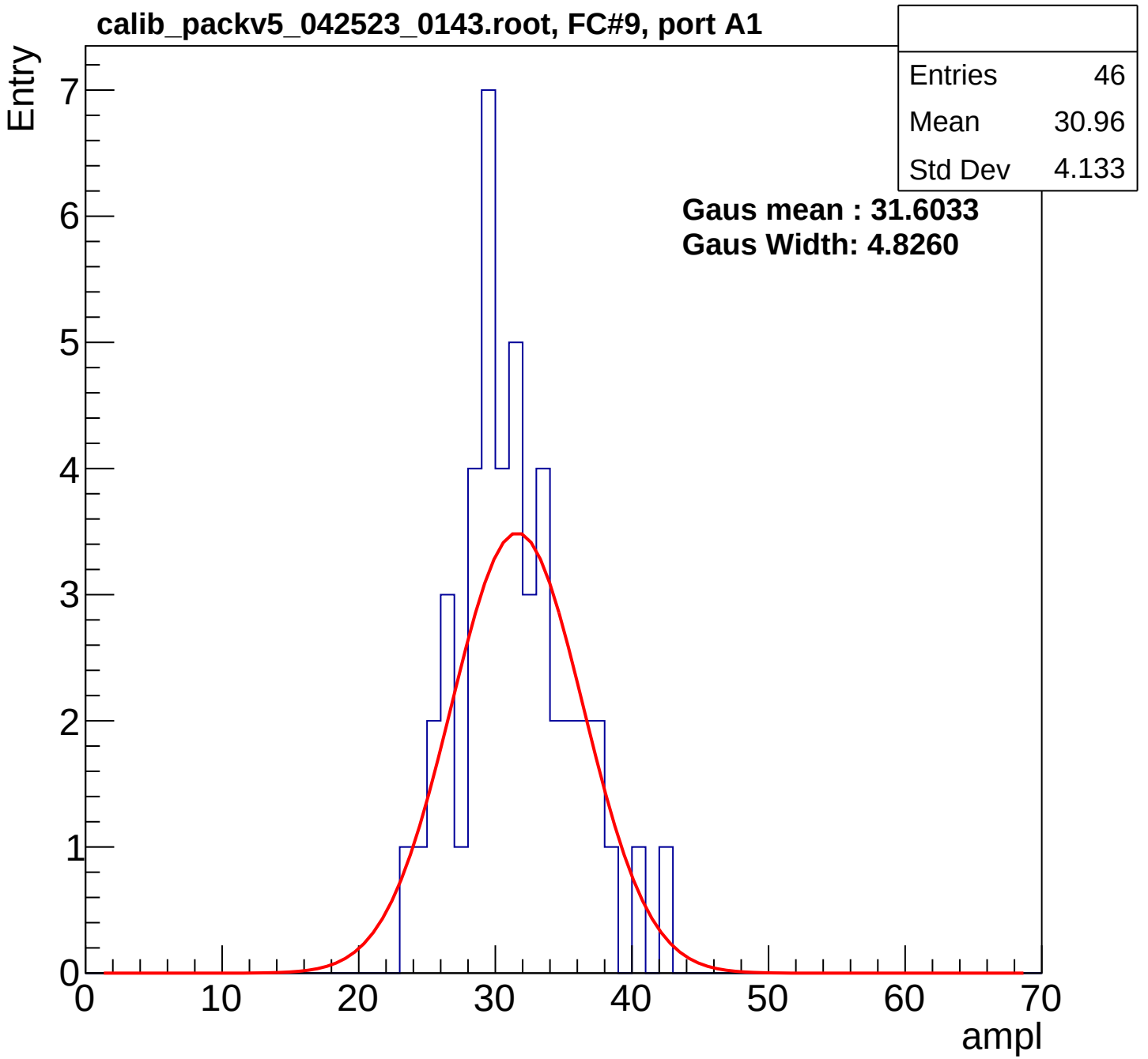
70
ampl


B0L001S, U3-ch89, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 30.96
Std Dev 4.133
Gaus mean : 31.6033
Gaus Width: 4.8260
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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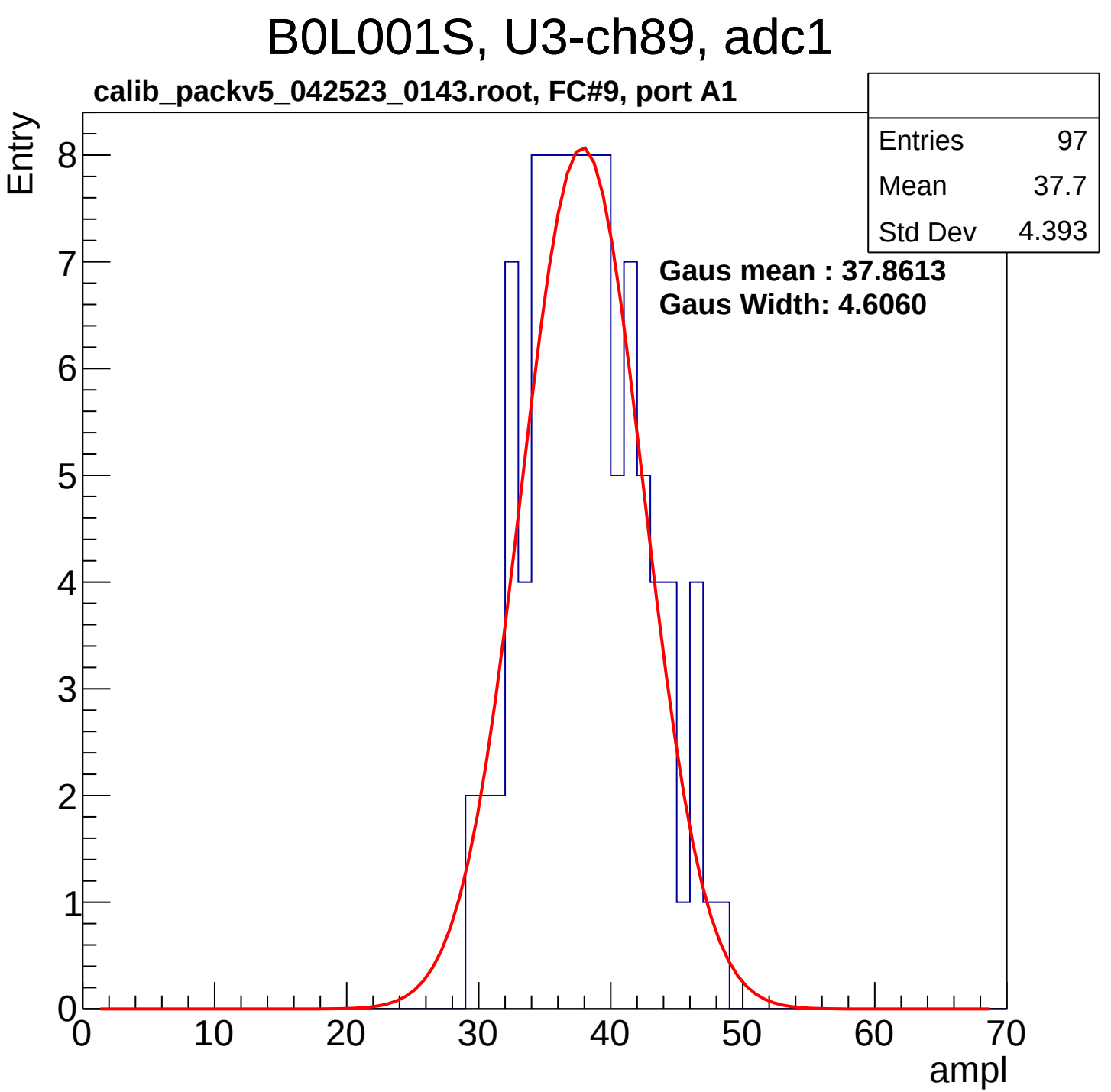
B0L001S, U3-ch89, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 97
Mean 37.7
Std Dev 4.393
Gaus mean : 37.8613
Gaus Width: 4.6060
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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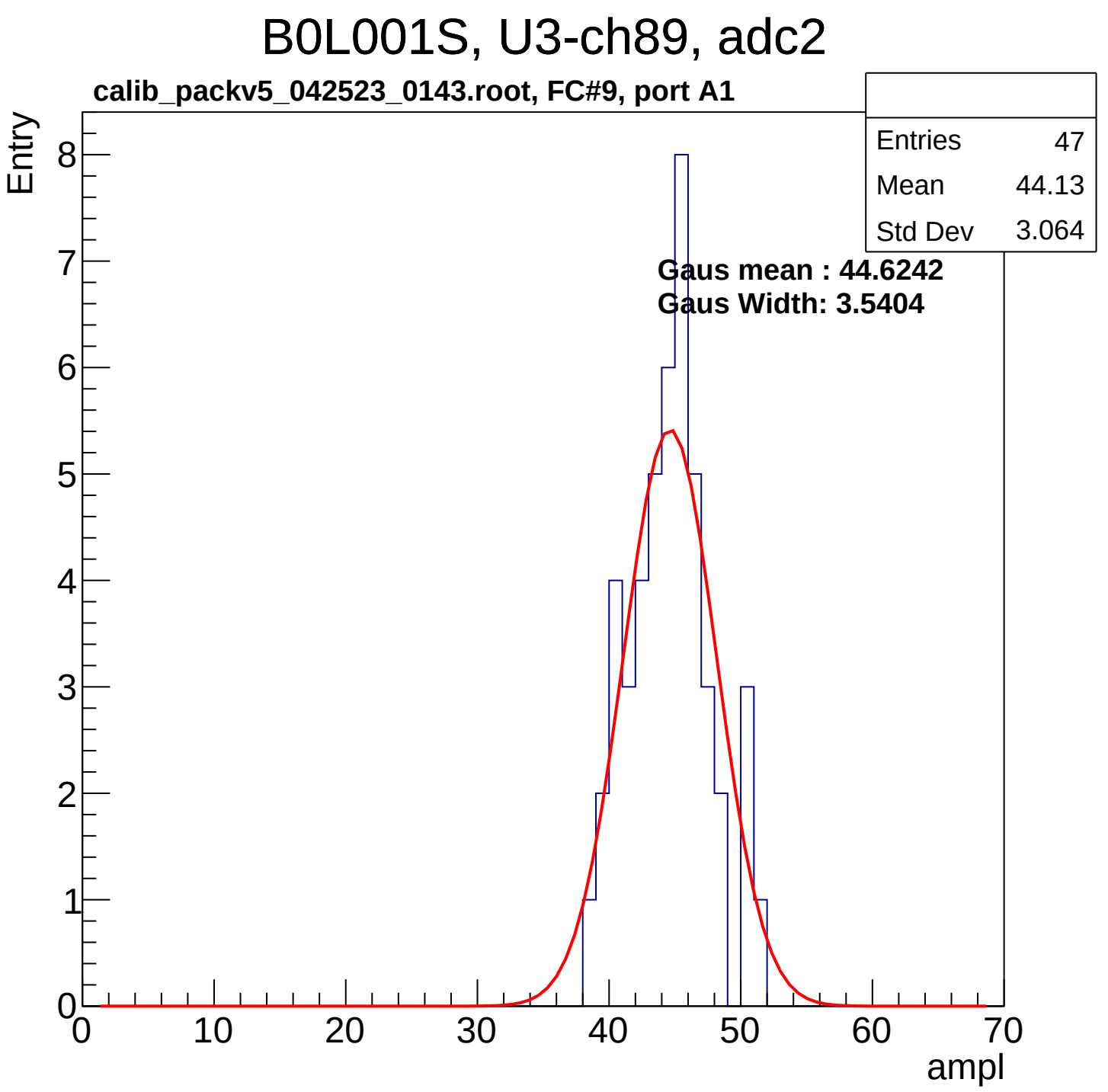
B0L001S, U3-ch89, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 44.13
Std Dev 3.064
Gaus mean : 44.6242
Gaus Width: 3.5404
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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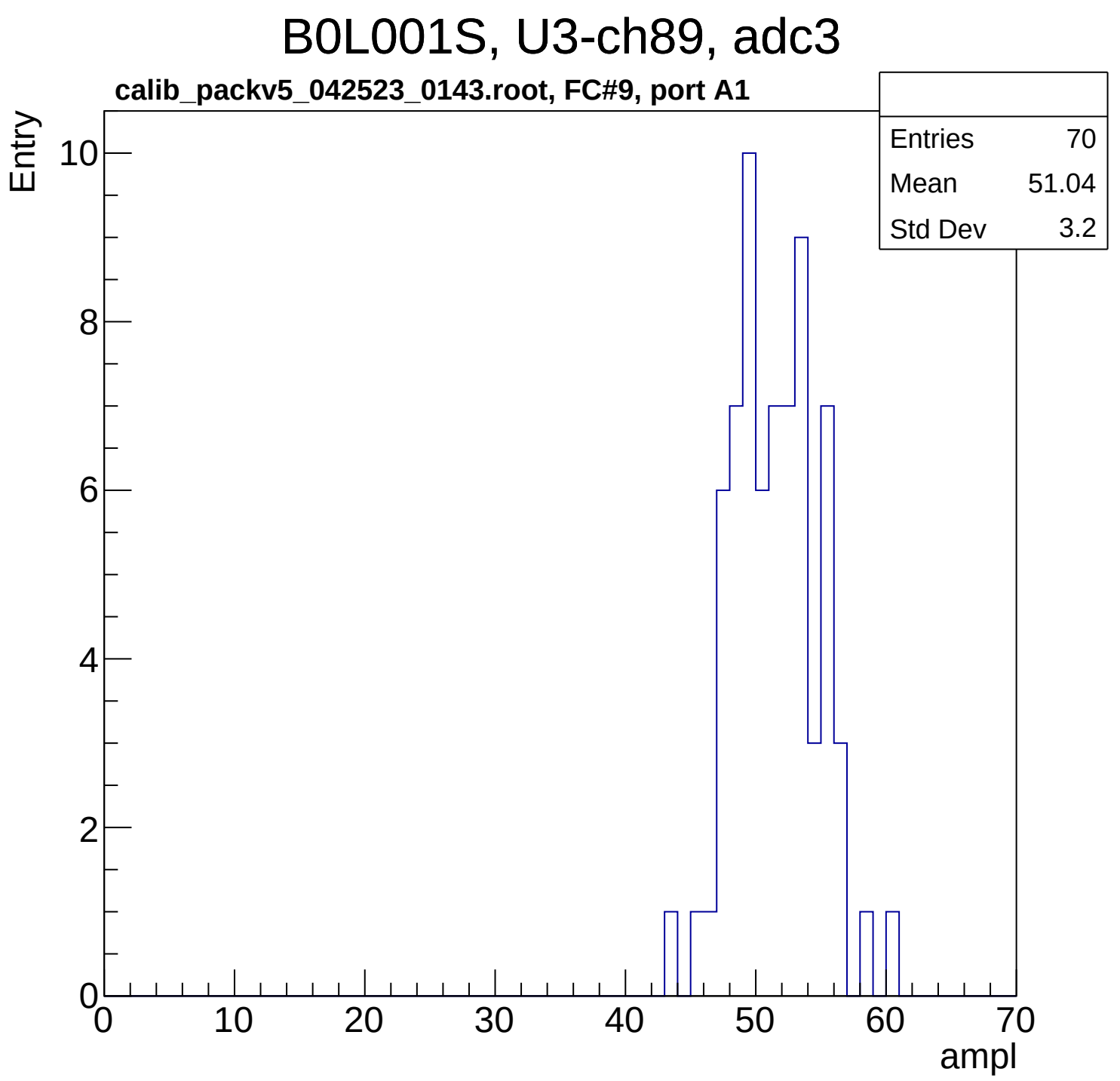
B0L001S, U3-ch89, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 51.04
Std Dev 3.2
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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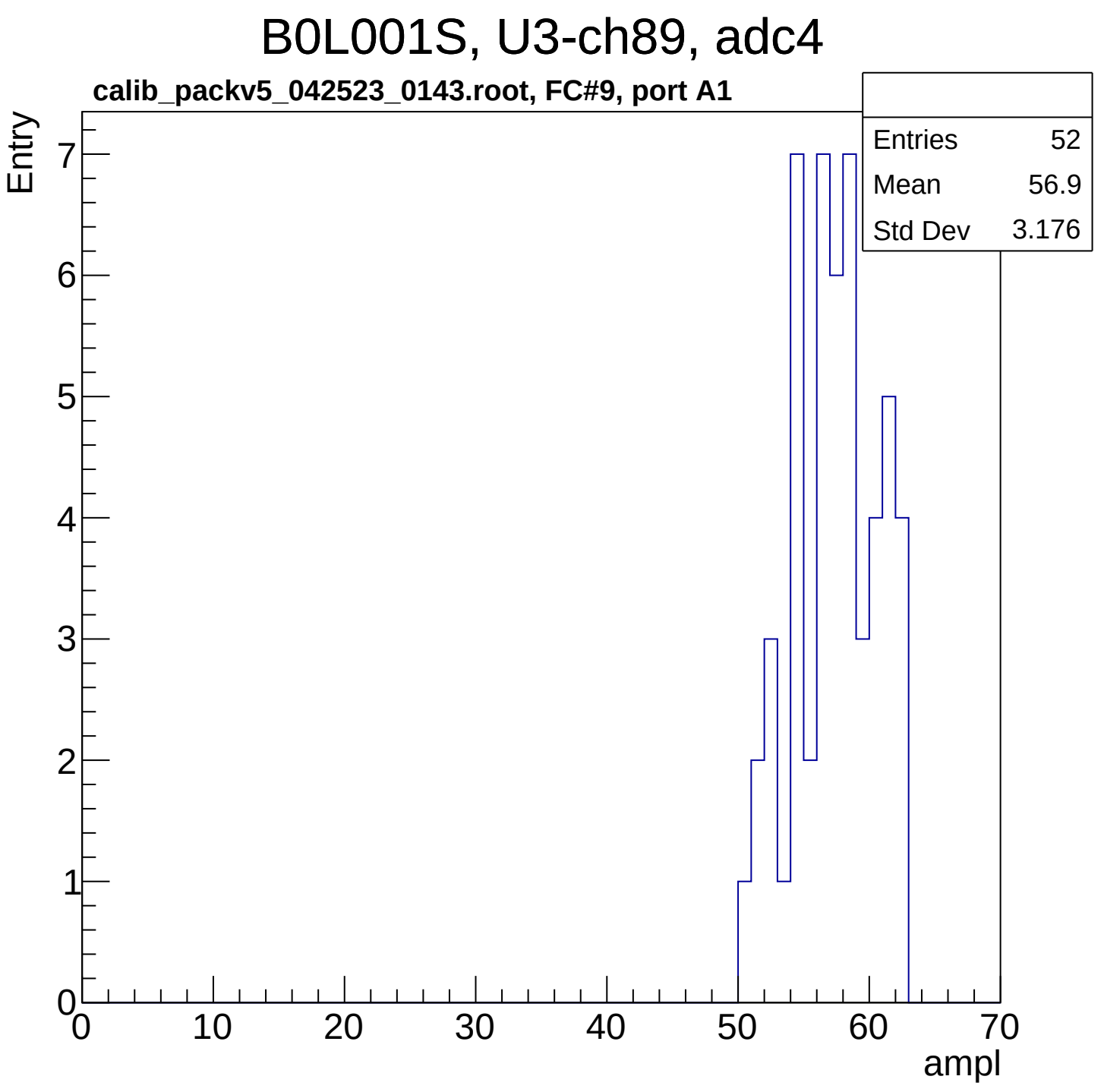
B0L001S, U3-ch89, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 56.9
Std Dev 3.176
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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60
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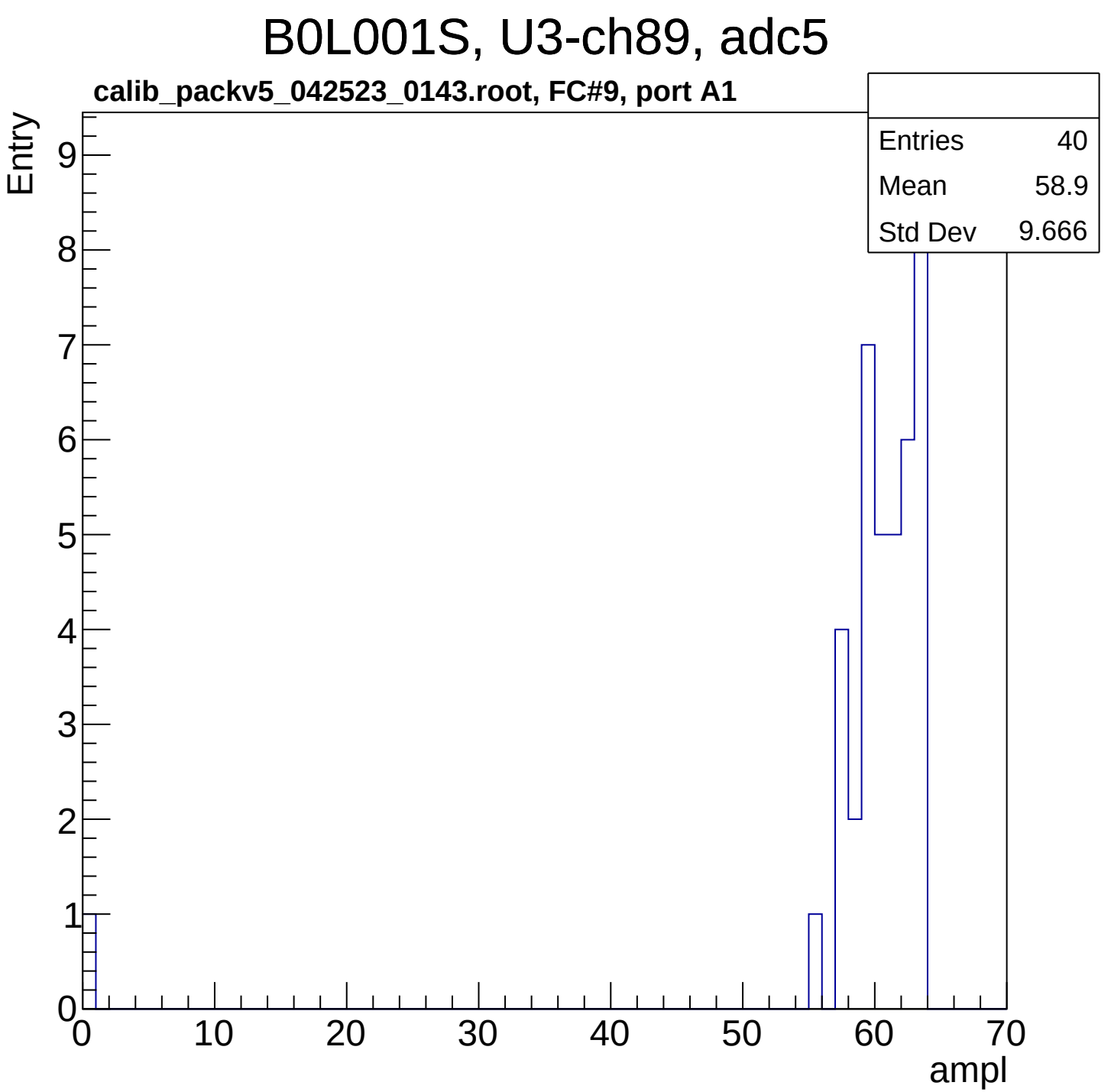
B0L001S, U3-ch89, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 58.9
Std Dev 9.666
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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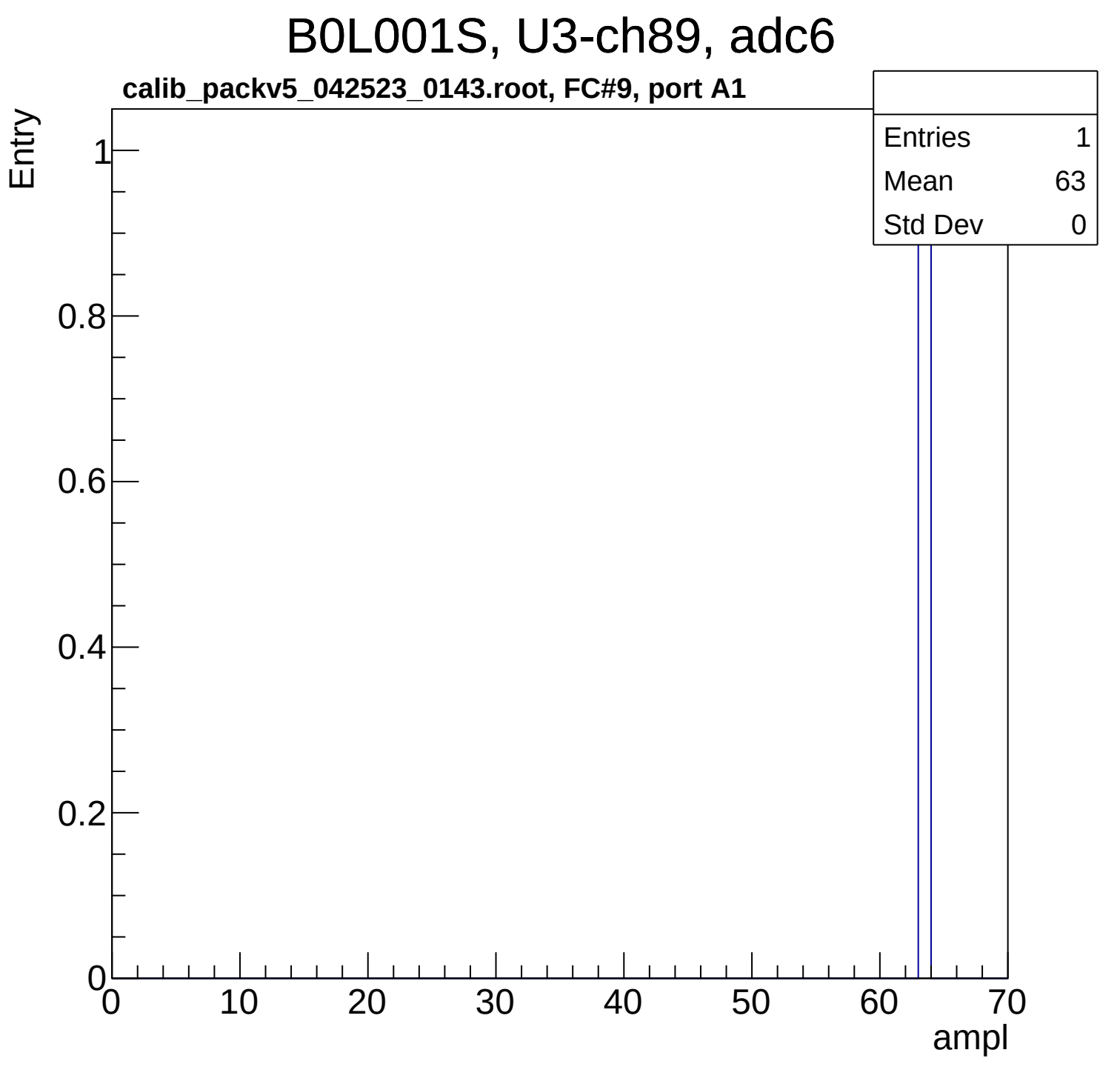
B0L001S, U3-ch89, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 63
Std Dev 0
Entry
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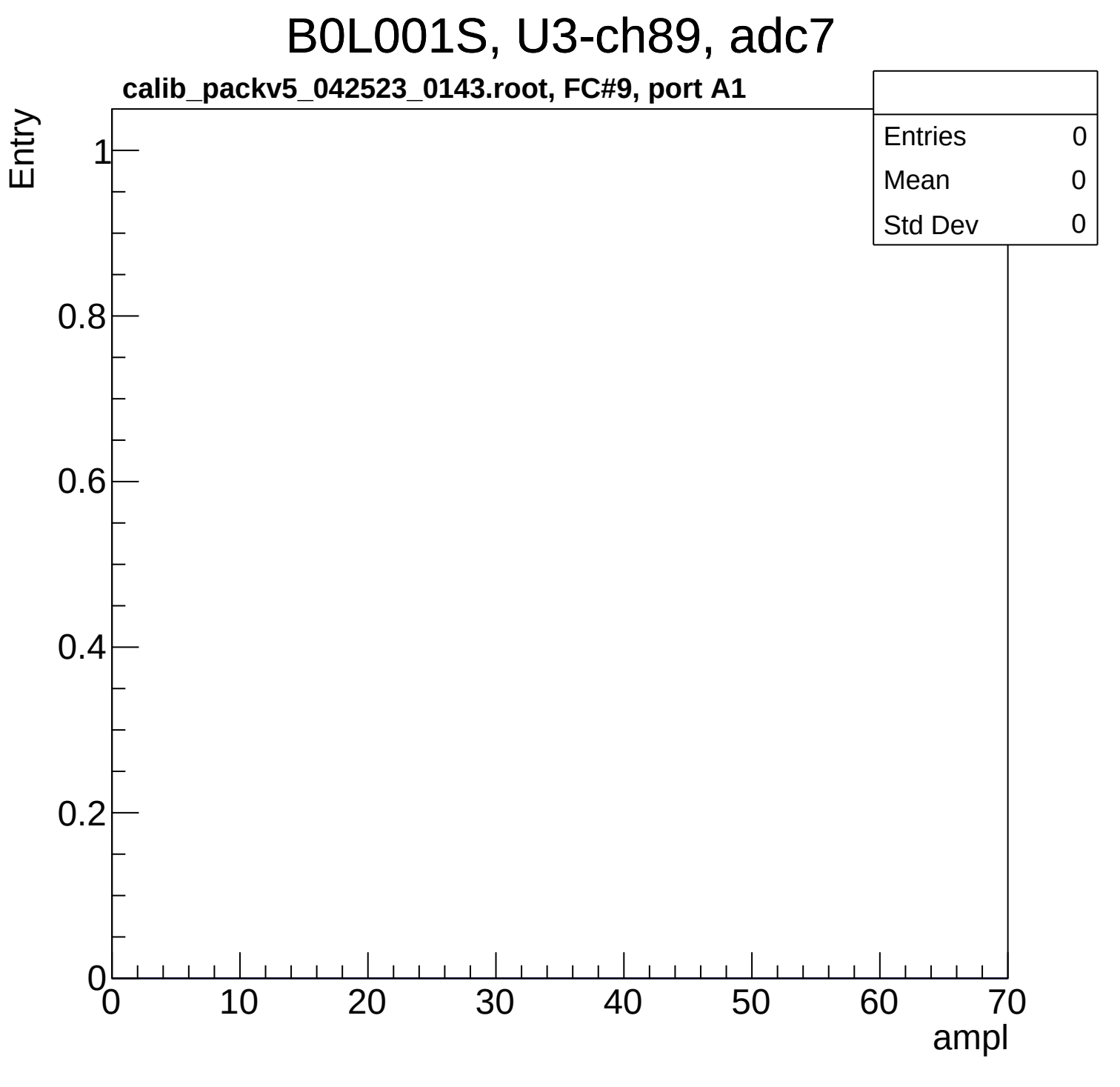
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch89, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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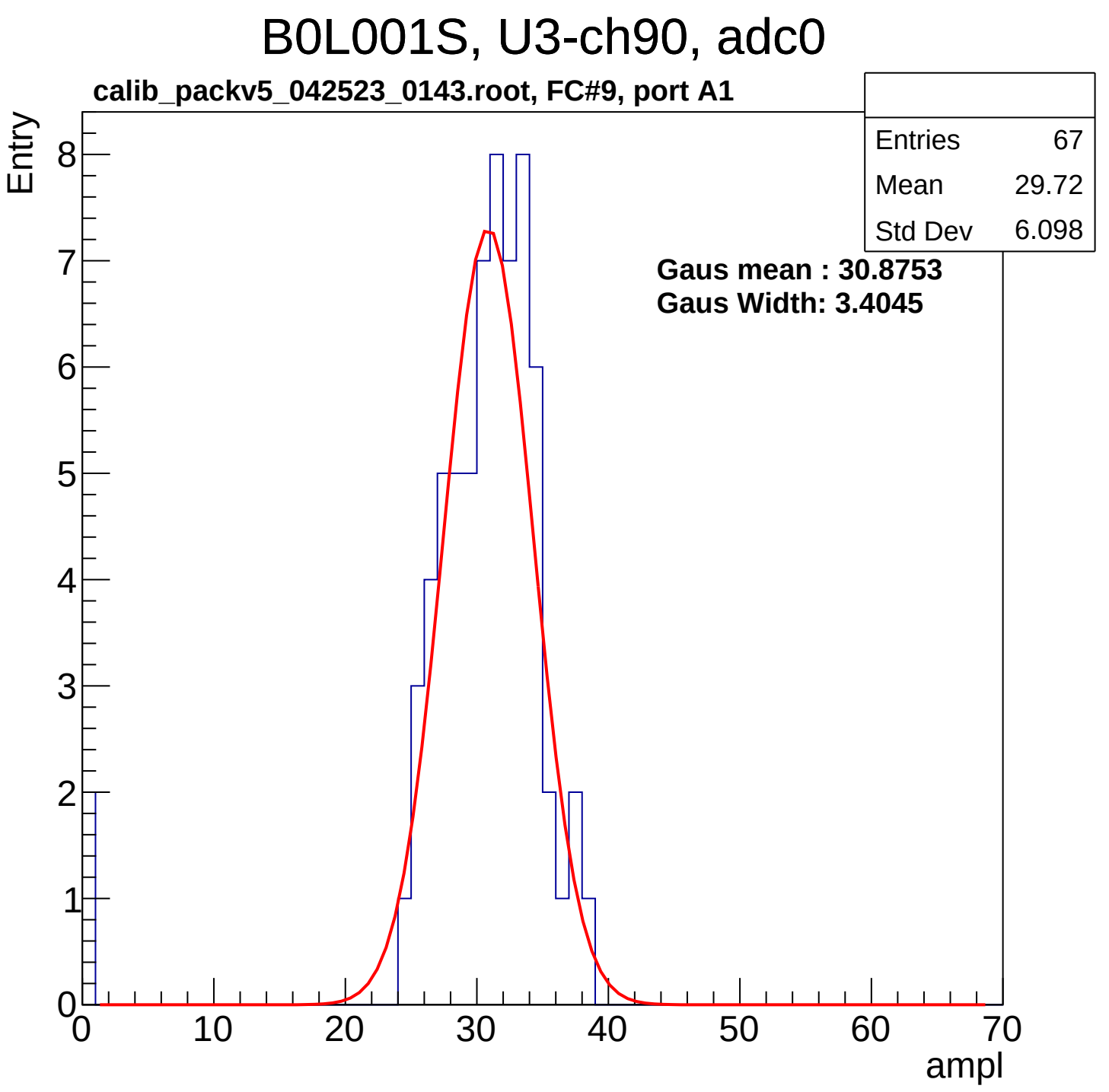
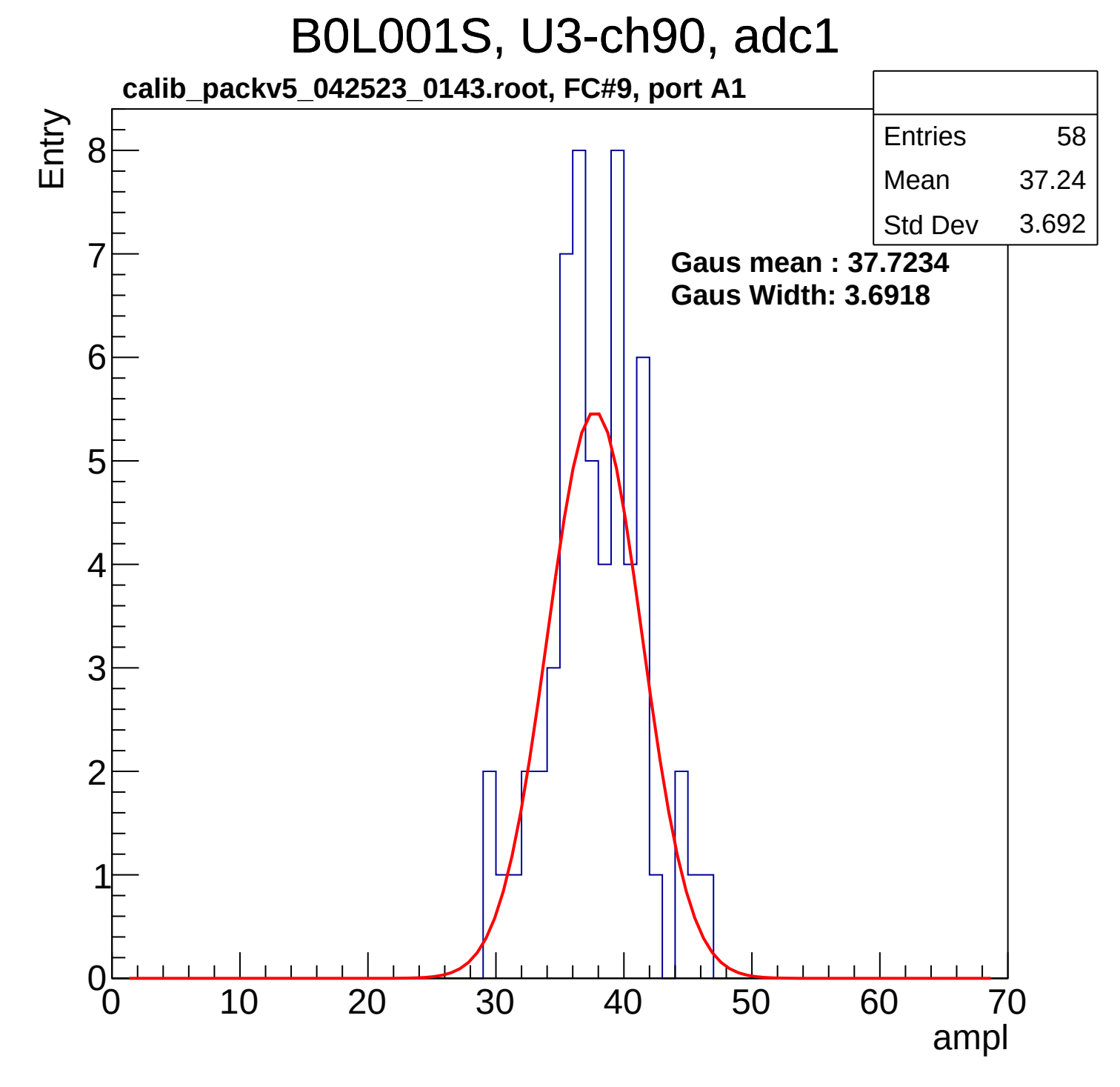
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch90, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 29.72
Std Dev 6.098
Gaus mean : 30.8753
Gaus Width: 3.4045
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch90, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 37.24
Std Dev 3.692
Gaus mean : 37.7234
Gaus Width: 3.6918
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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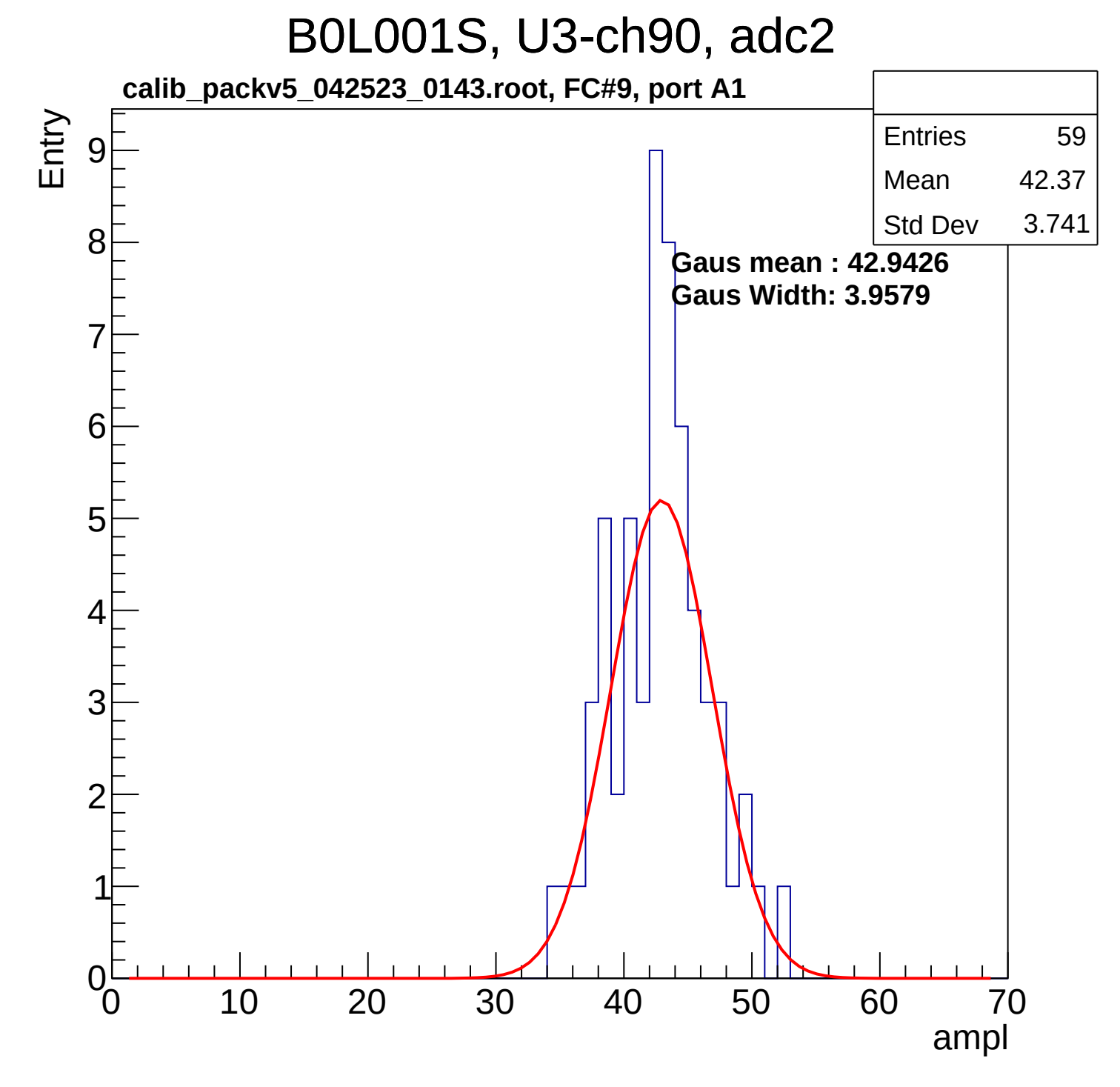
B0L001S, U3-ch90, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 42.37
Std Dev 3.741
Gaus mean : 42.9426
Gaus Width: 3.9579
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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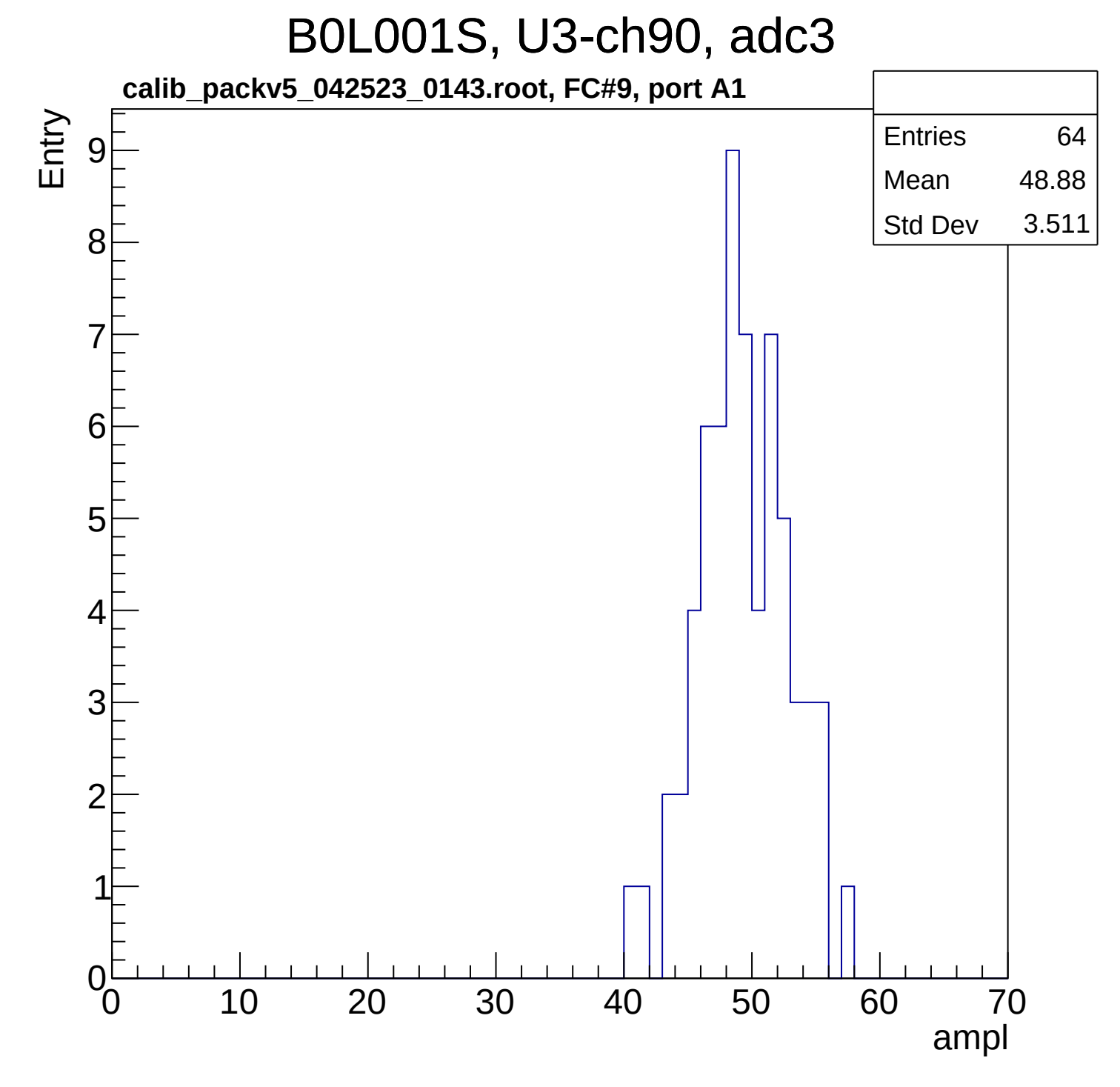
B0L001S, U3-ch90, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 48.88
Std Dev 3.511
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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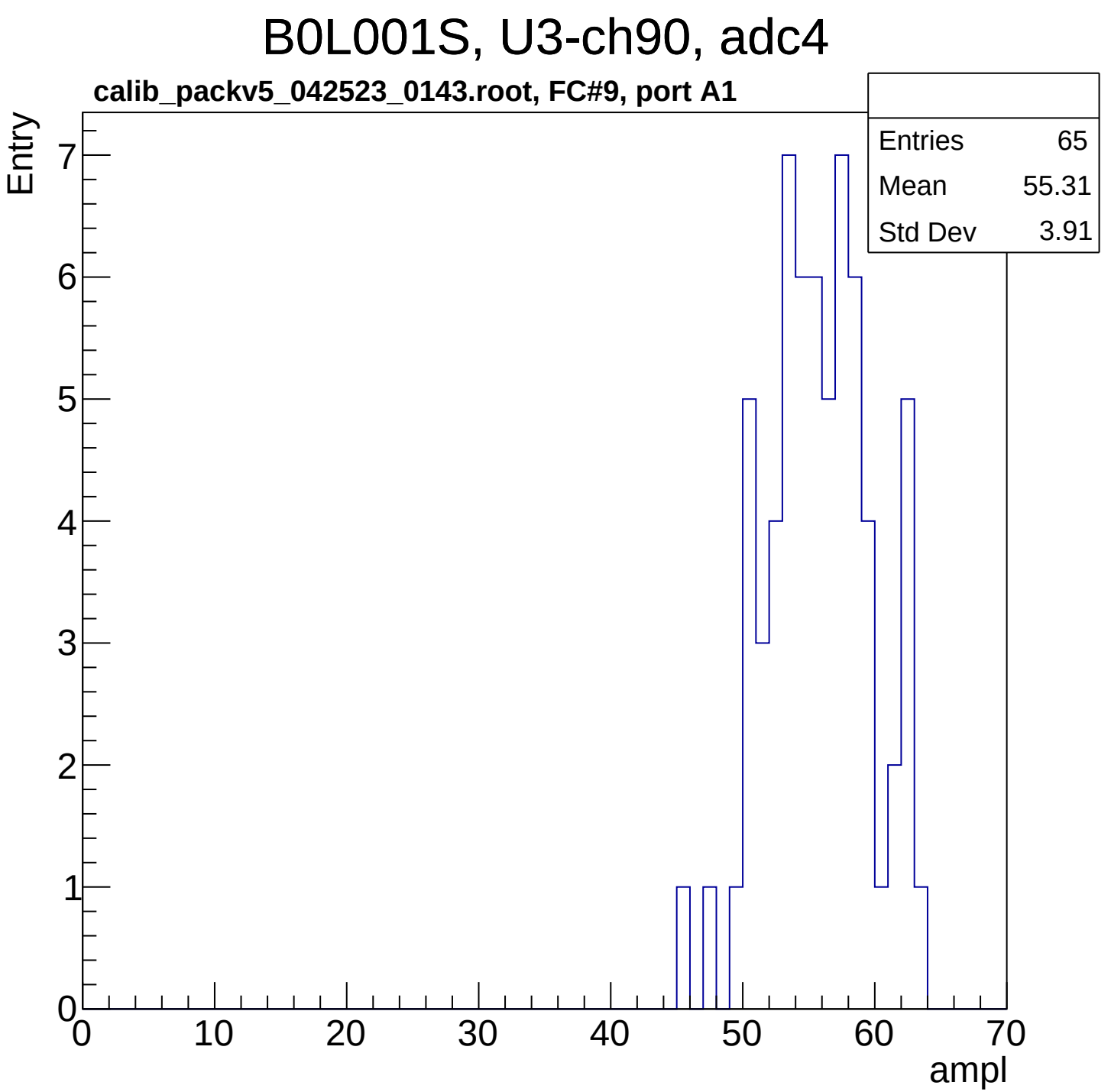
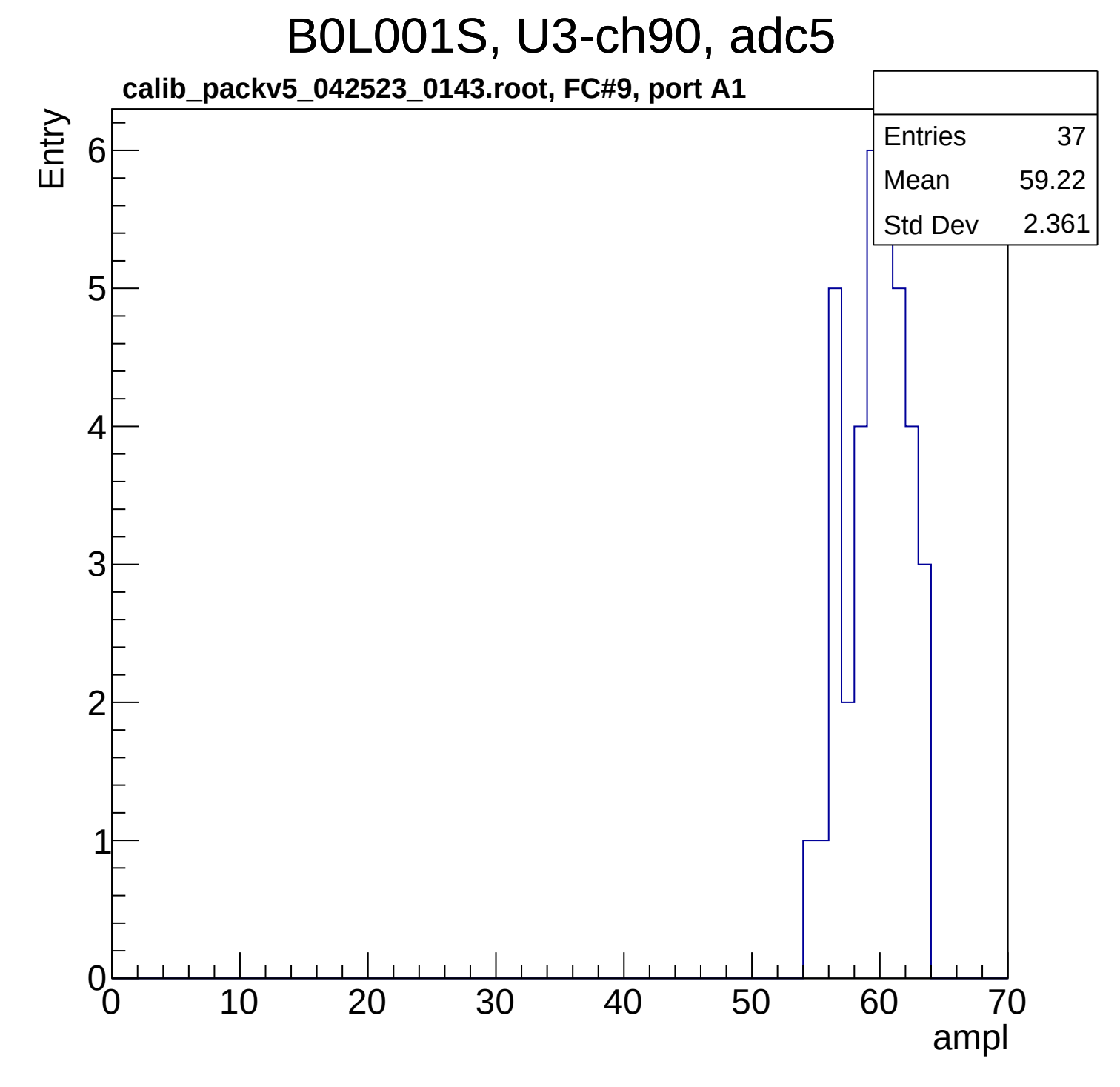
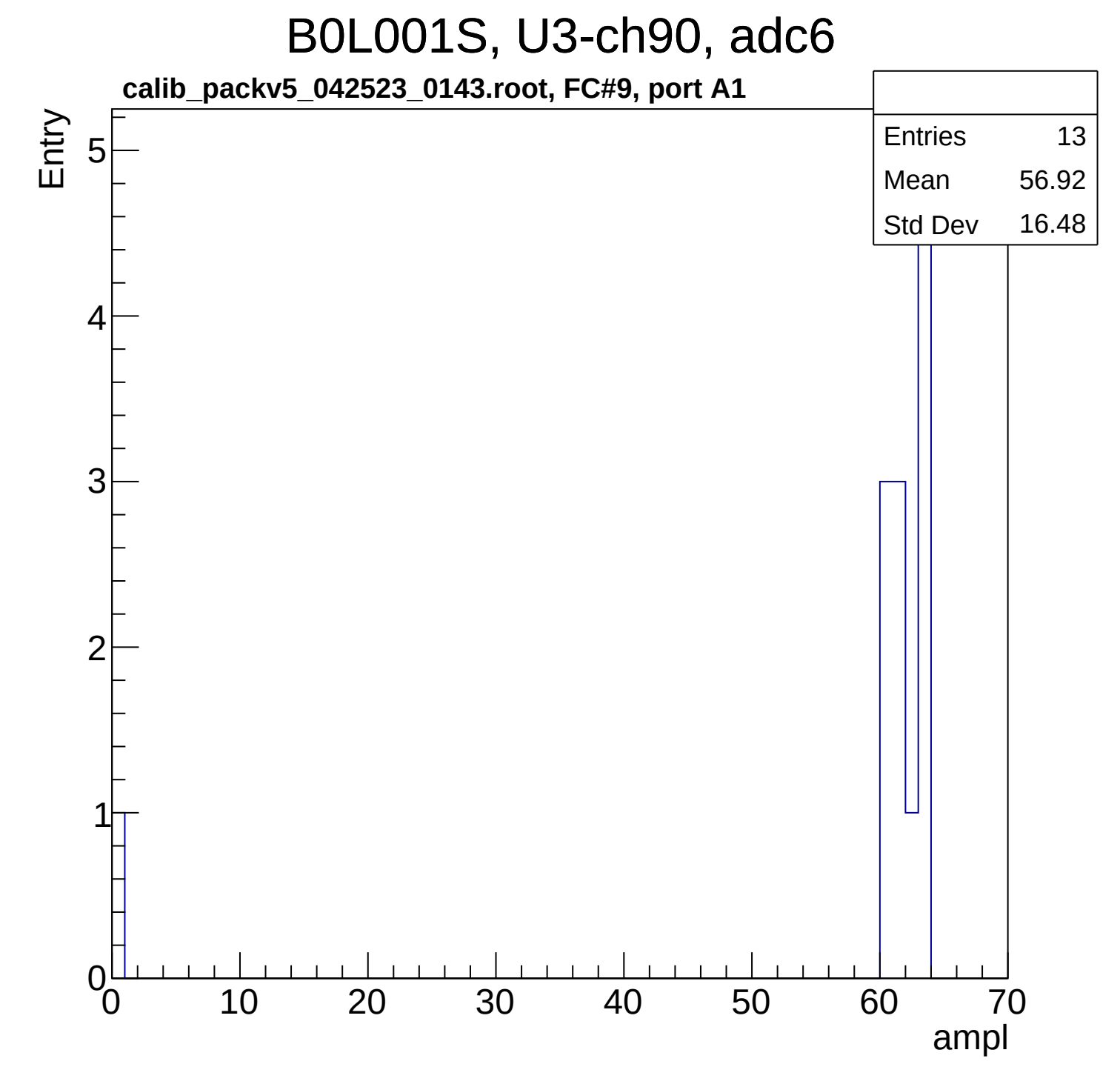
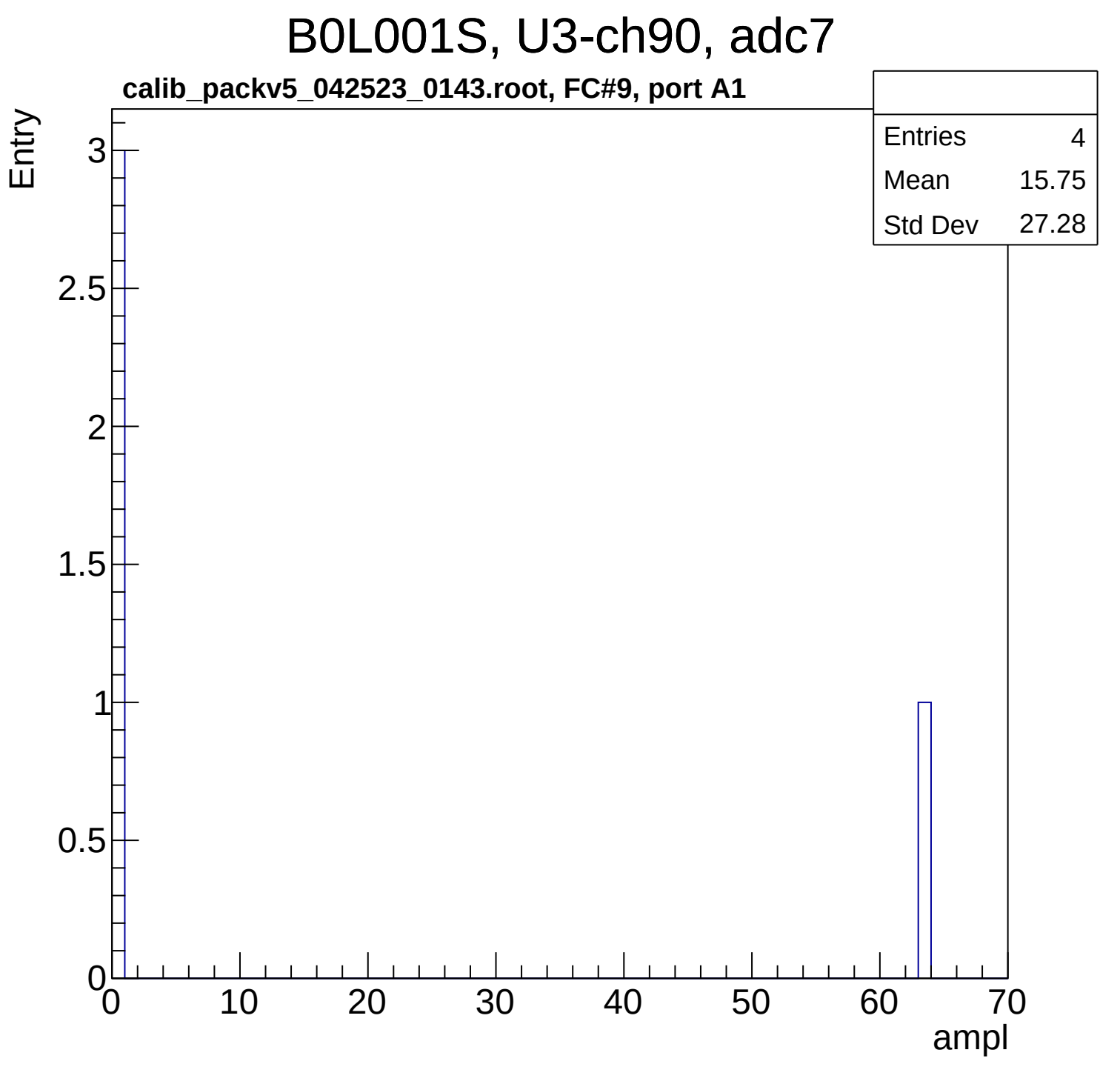

B0L001S, U3-ch90, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 55.31
Std Dev 3.91
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch90, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 37
Mean 59.22
Std Dev 2.361
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch90, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 13
Mean 56.92
Std Dev 16.48
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch90, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 15.75
Std Dev 27.28
Entry
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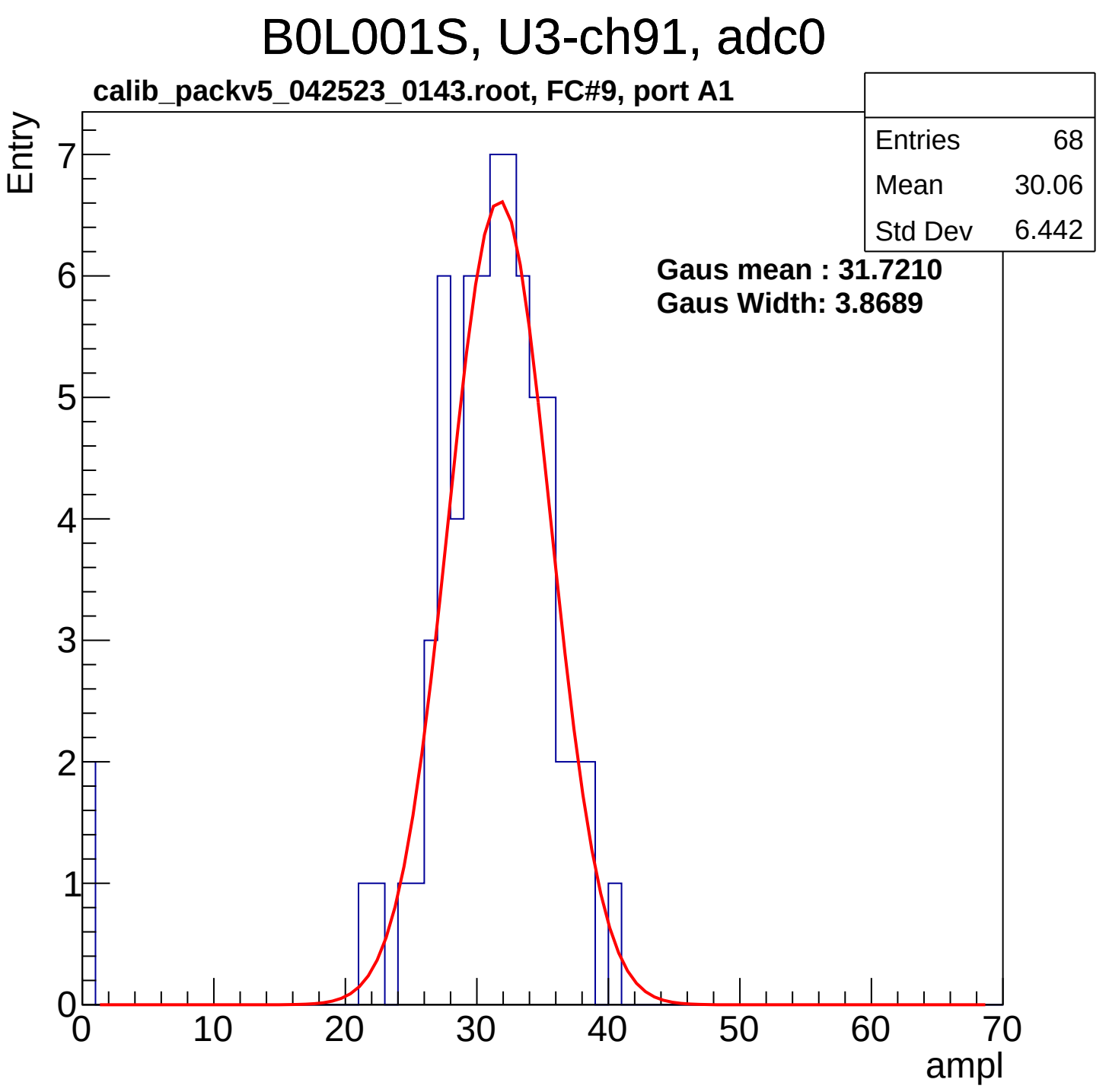
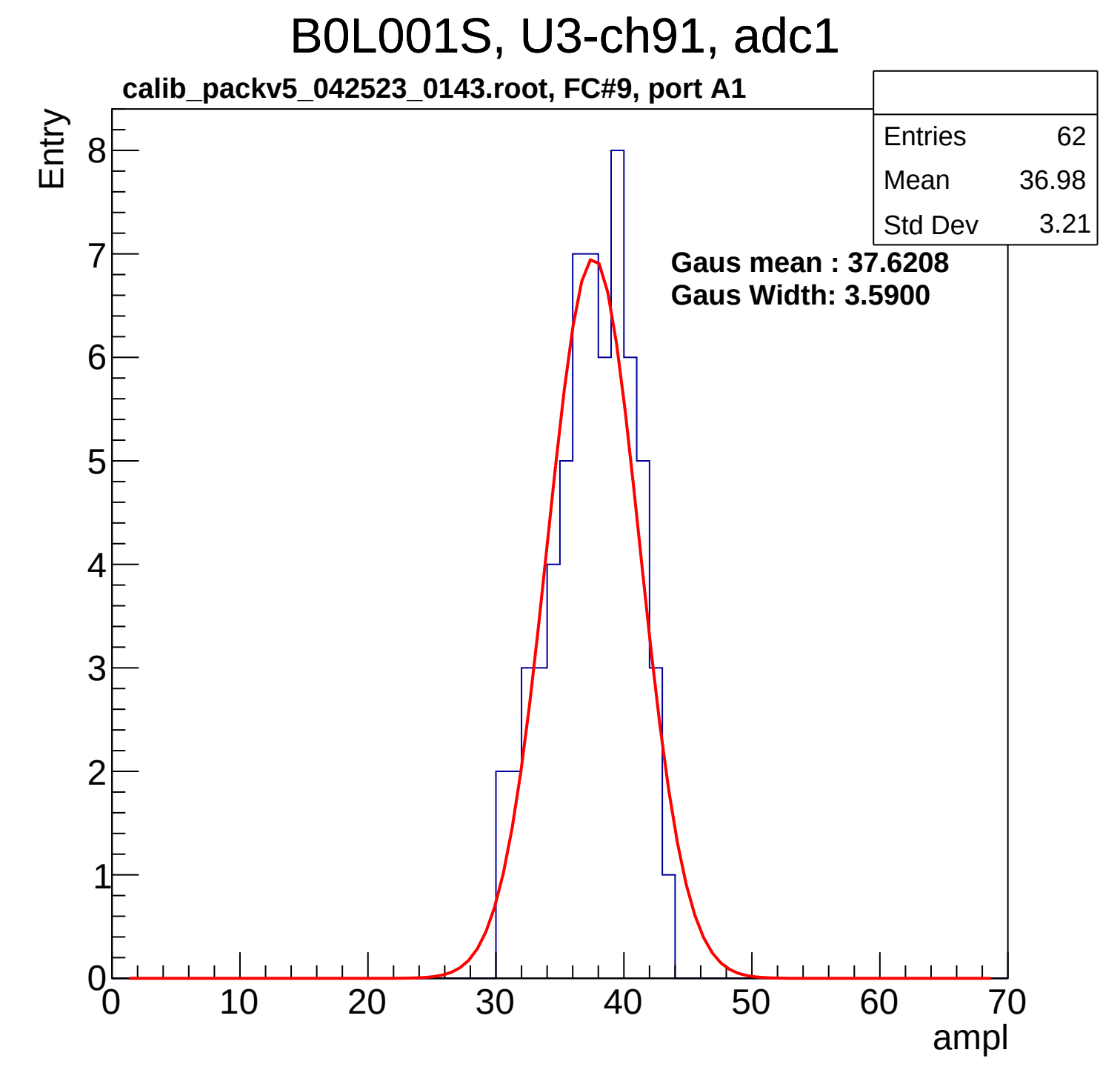
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch91, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 30.06
Std Dev 6.442
Gaus mean : 31.7210
Gaus Width: 3.8689
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch91, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 36.98
Std Dev 3.21
Gaus mean : 37.6208
Gaus Width: 3.5900
Entry
ampl
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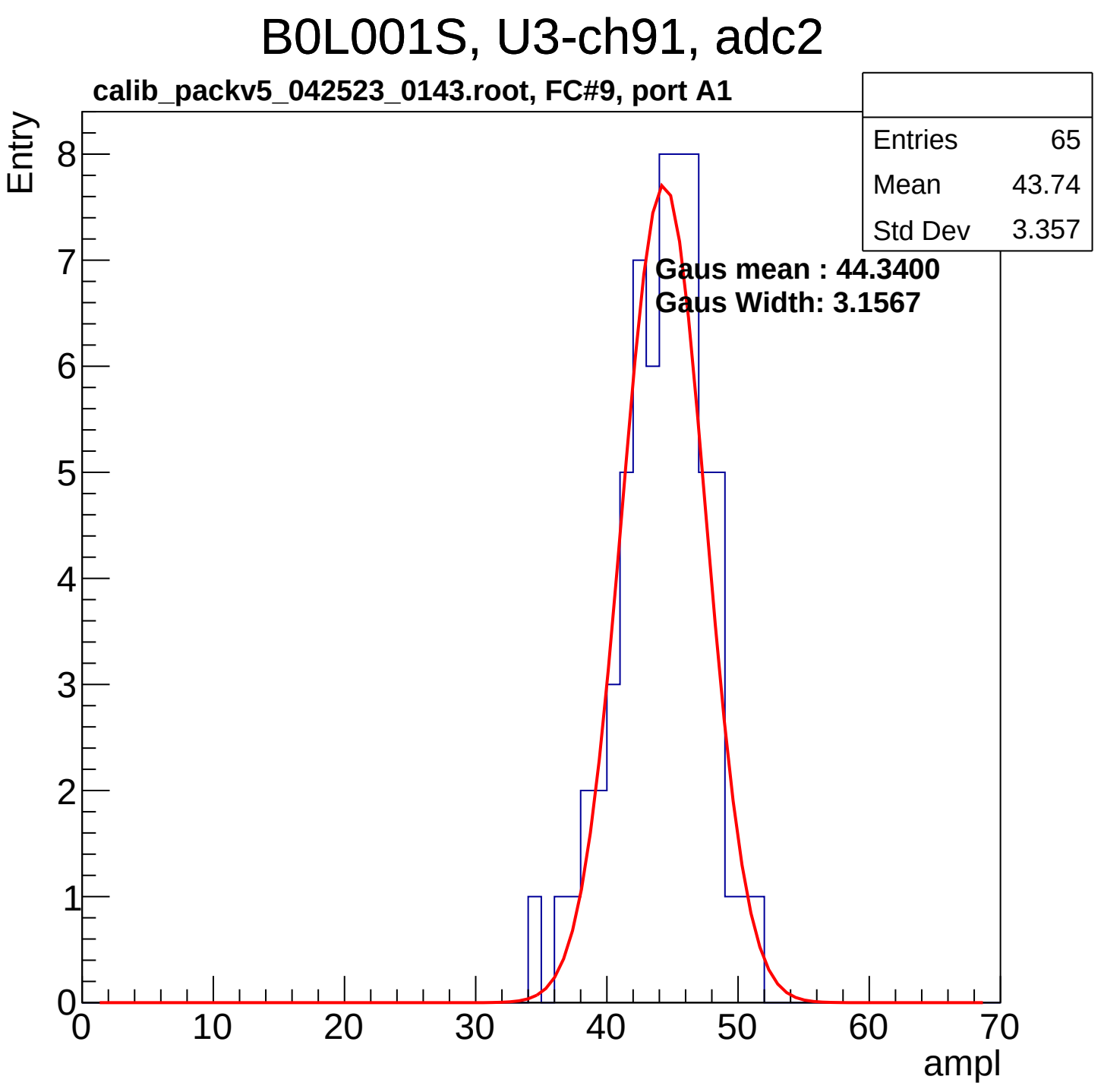
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch91, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 43.74
Std Dev 3.357
Gaus mean : 44.3400
Gaus Width: 3.1567
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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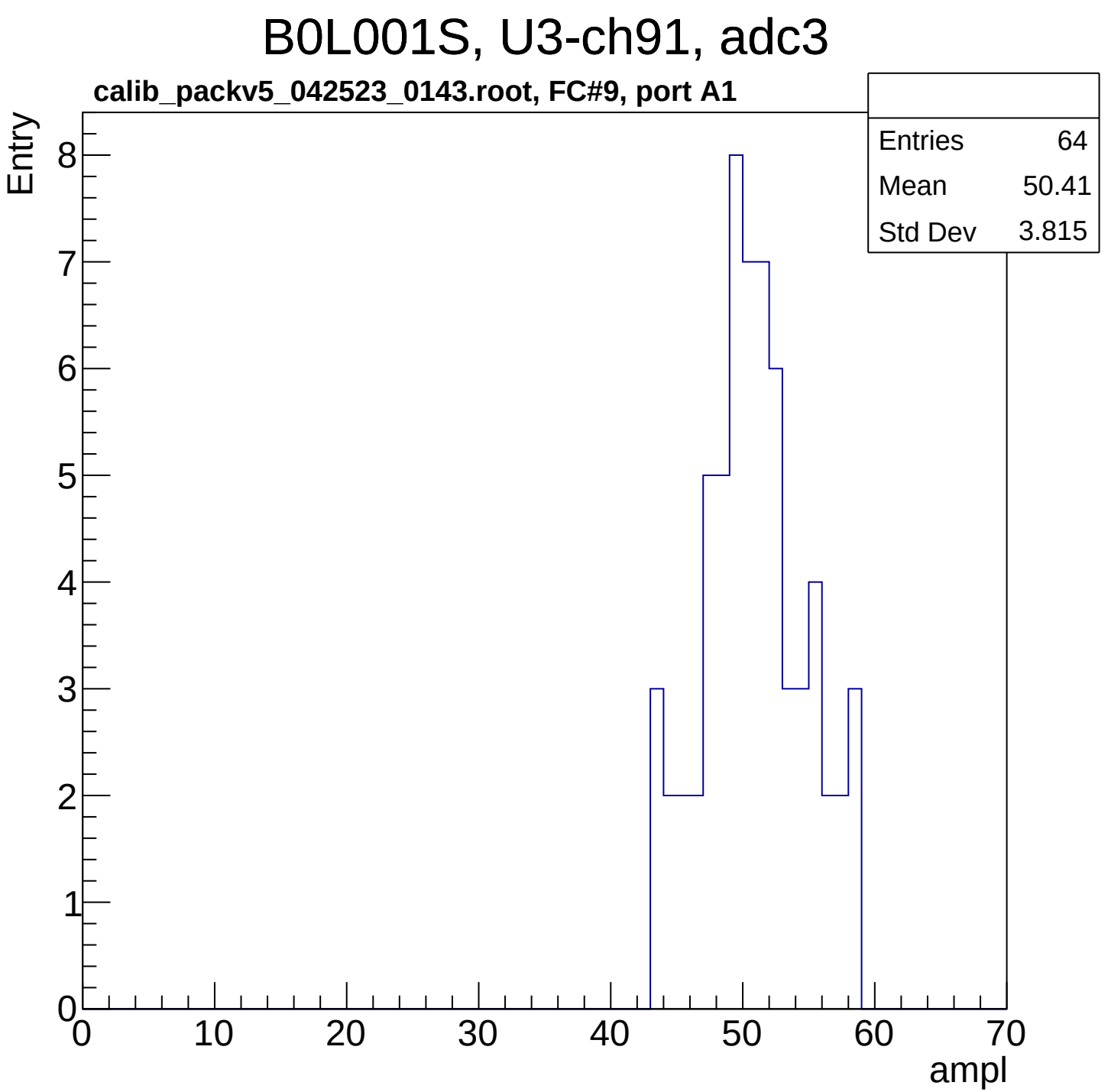
B0L001S, U3-ch91, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 50.41
Std Dev 3.815
Entry
ampl
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1
2
3
4
5
6
7
8
0
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50
60
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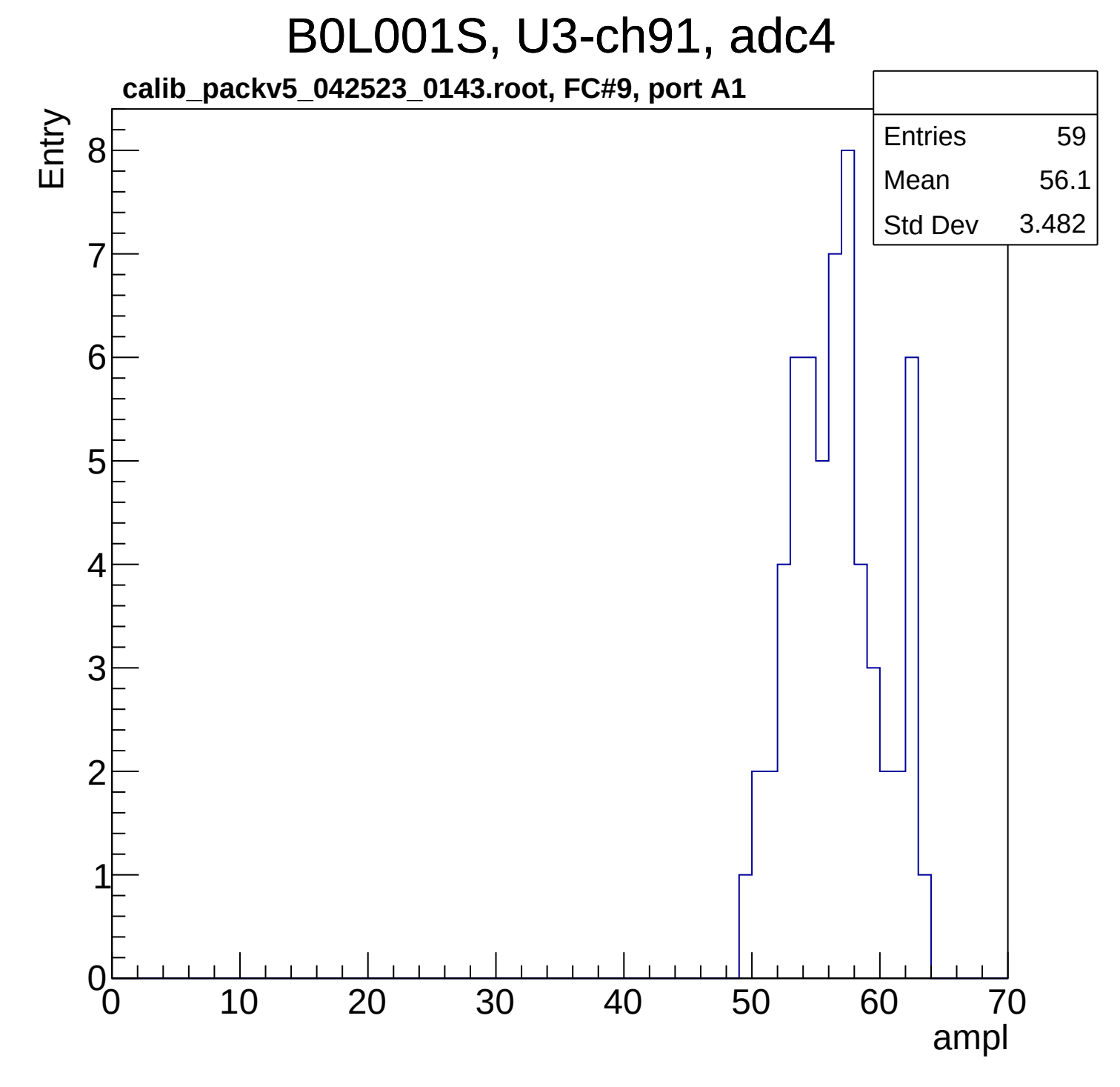
B0L001S, U3-ch91, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 56.1
Std Dev 3.482
Entry
ampl
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3
4
5
6
7
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0
10
20
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40
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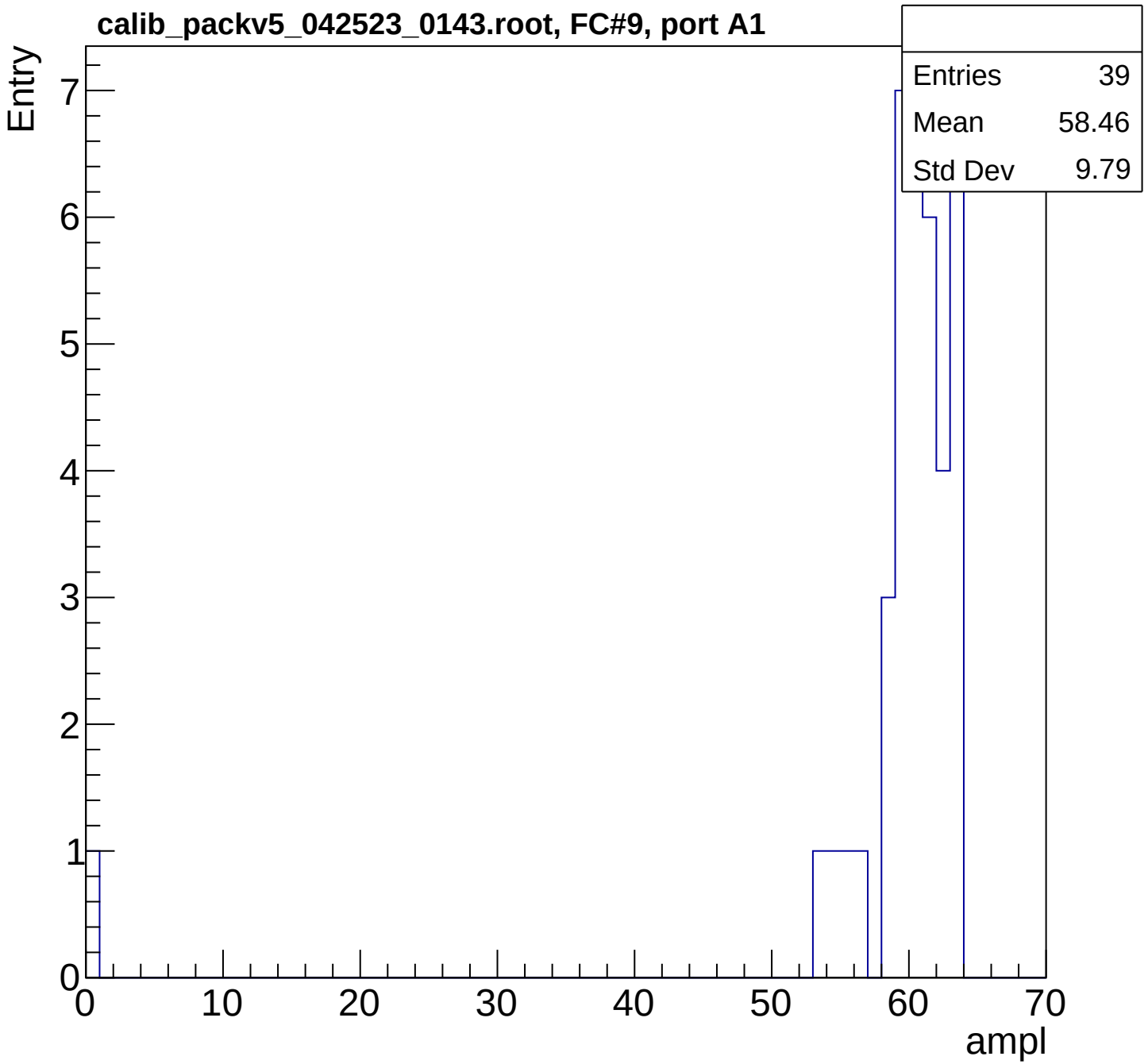
60
70


B0L001S, U3-ch91, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 39
Mean 58.46
Std Dev 9.79
Entry
ampl
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2
3
4
5
6
7
0
10
20
30
40
50
60
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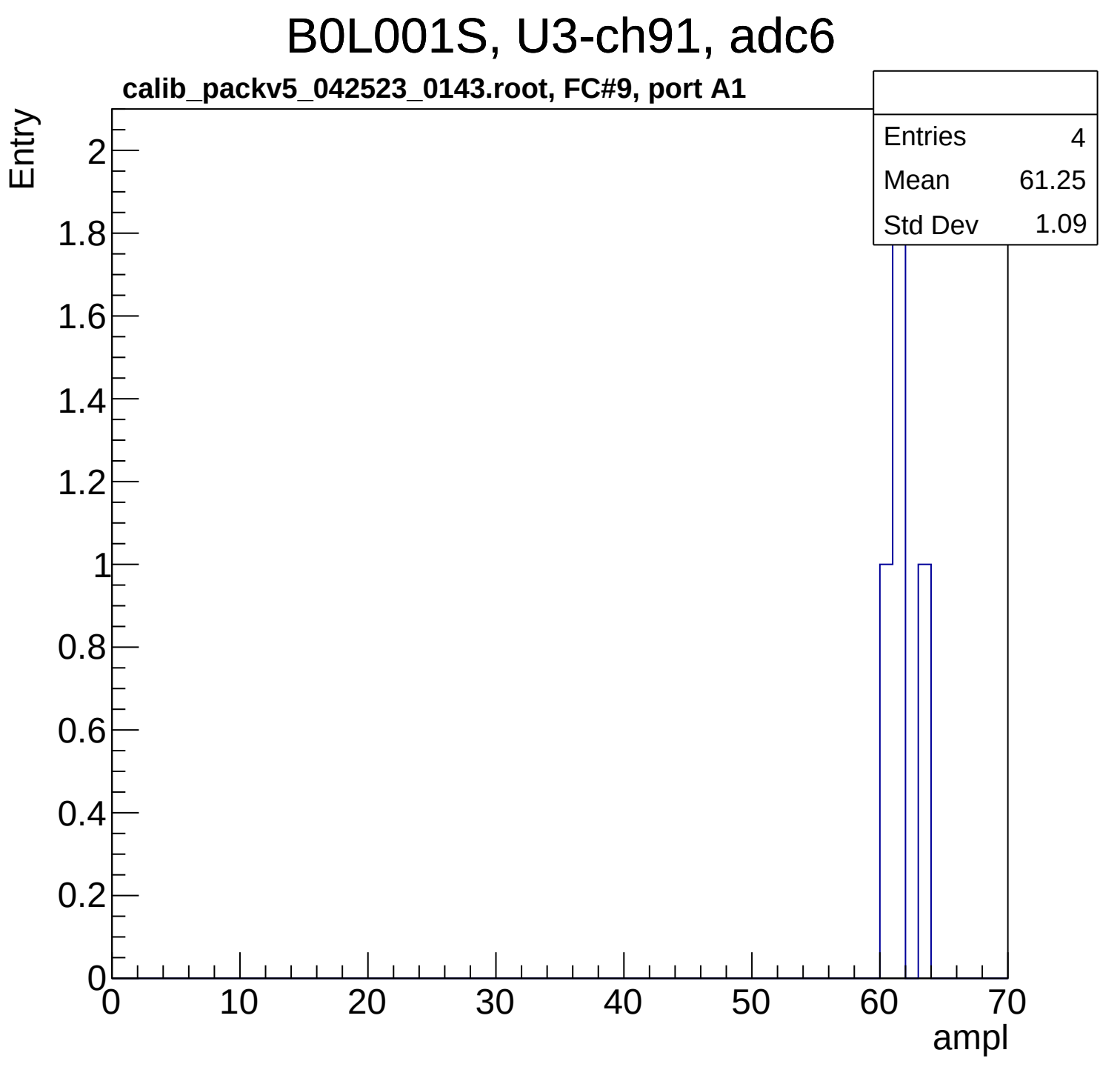
B0L001S, U3-ch91, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 61.25
Std Dev 1.09
Entry
ampl
0
0.2
0.4
0.6
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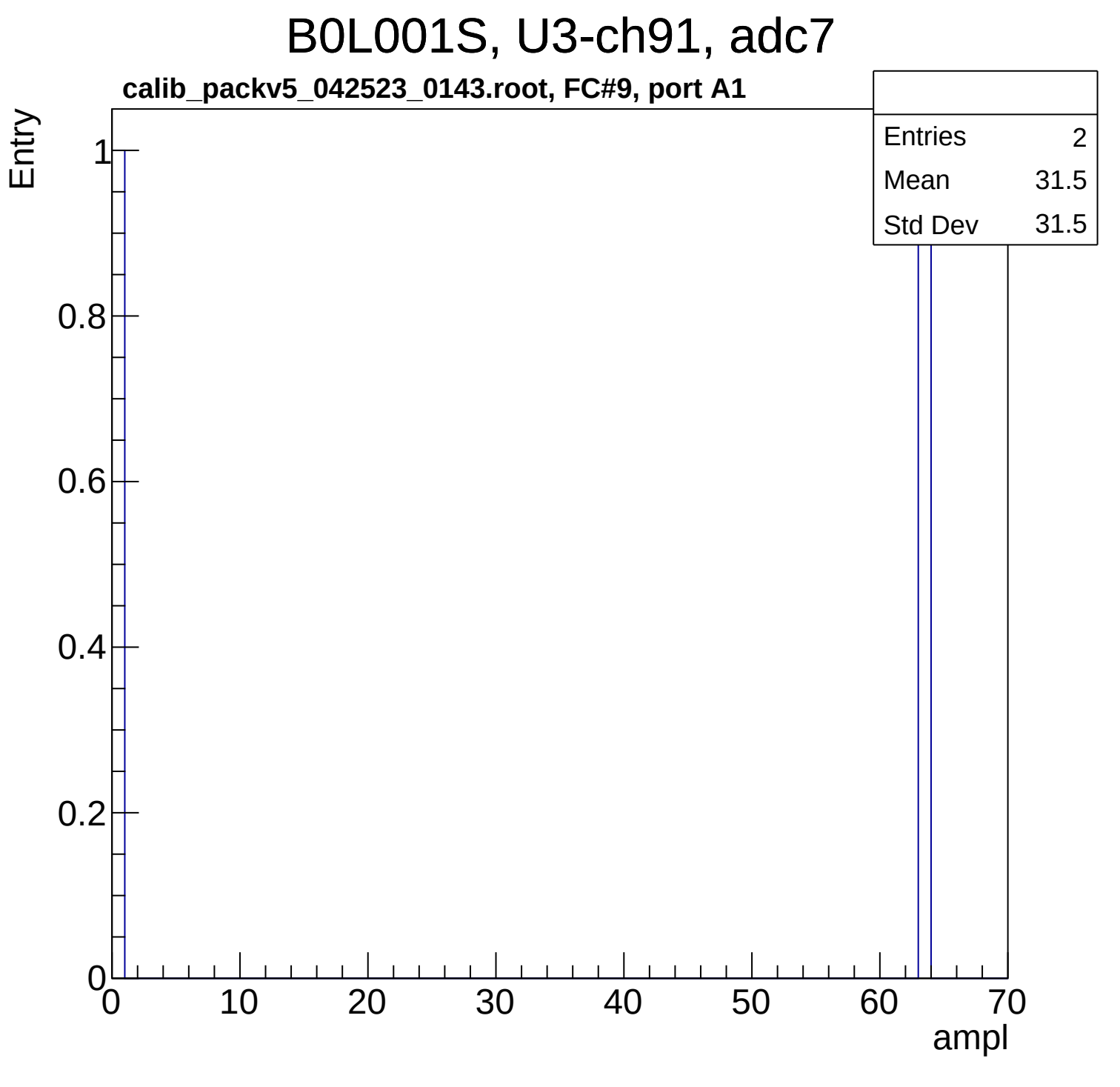
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch91, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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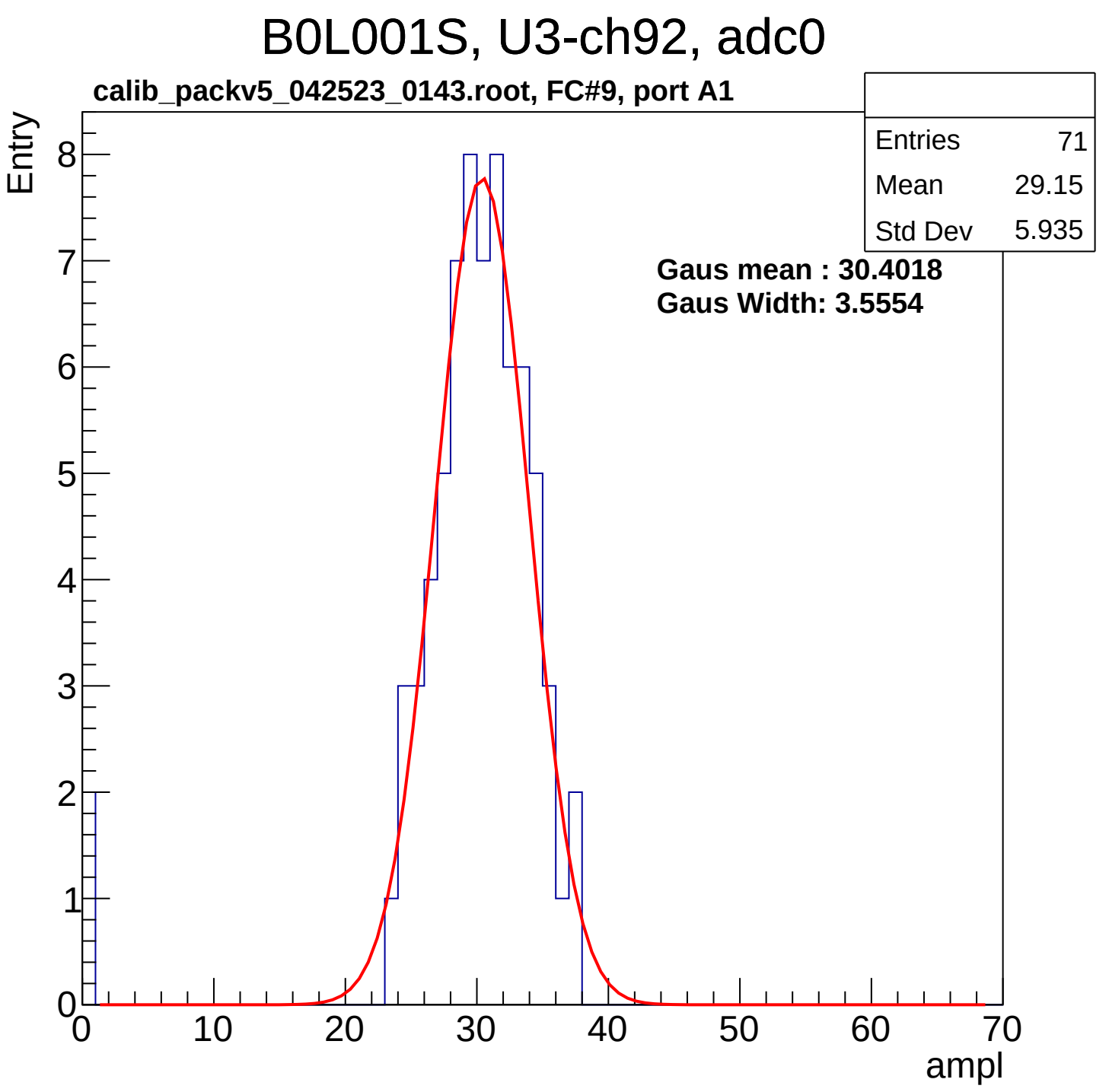
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch92, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 29.15
Std Dev 5.935
Gaus mean : 30.4018
Gaus Width: 3.5554
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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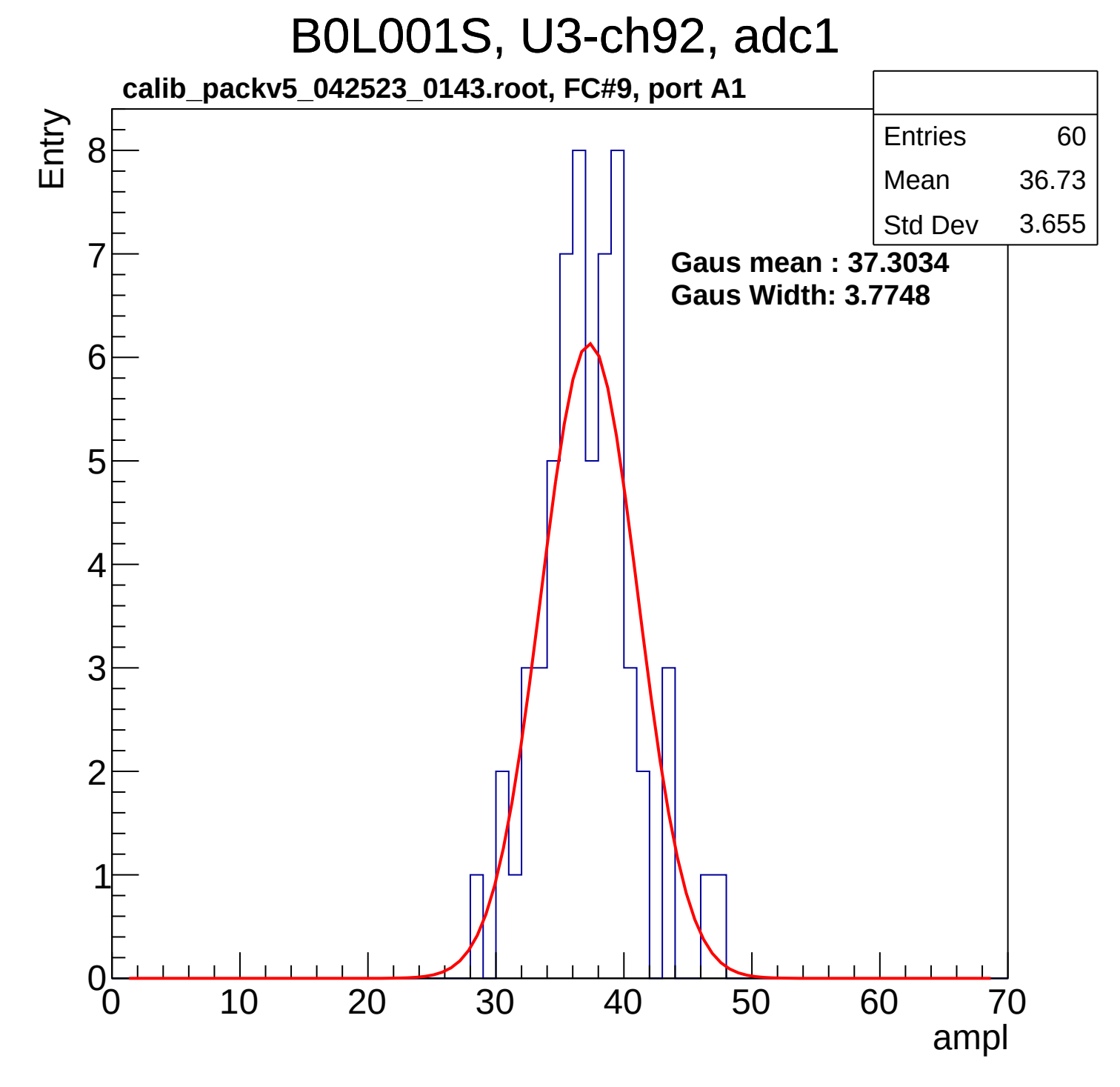
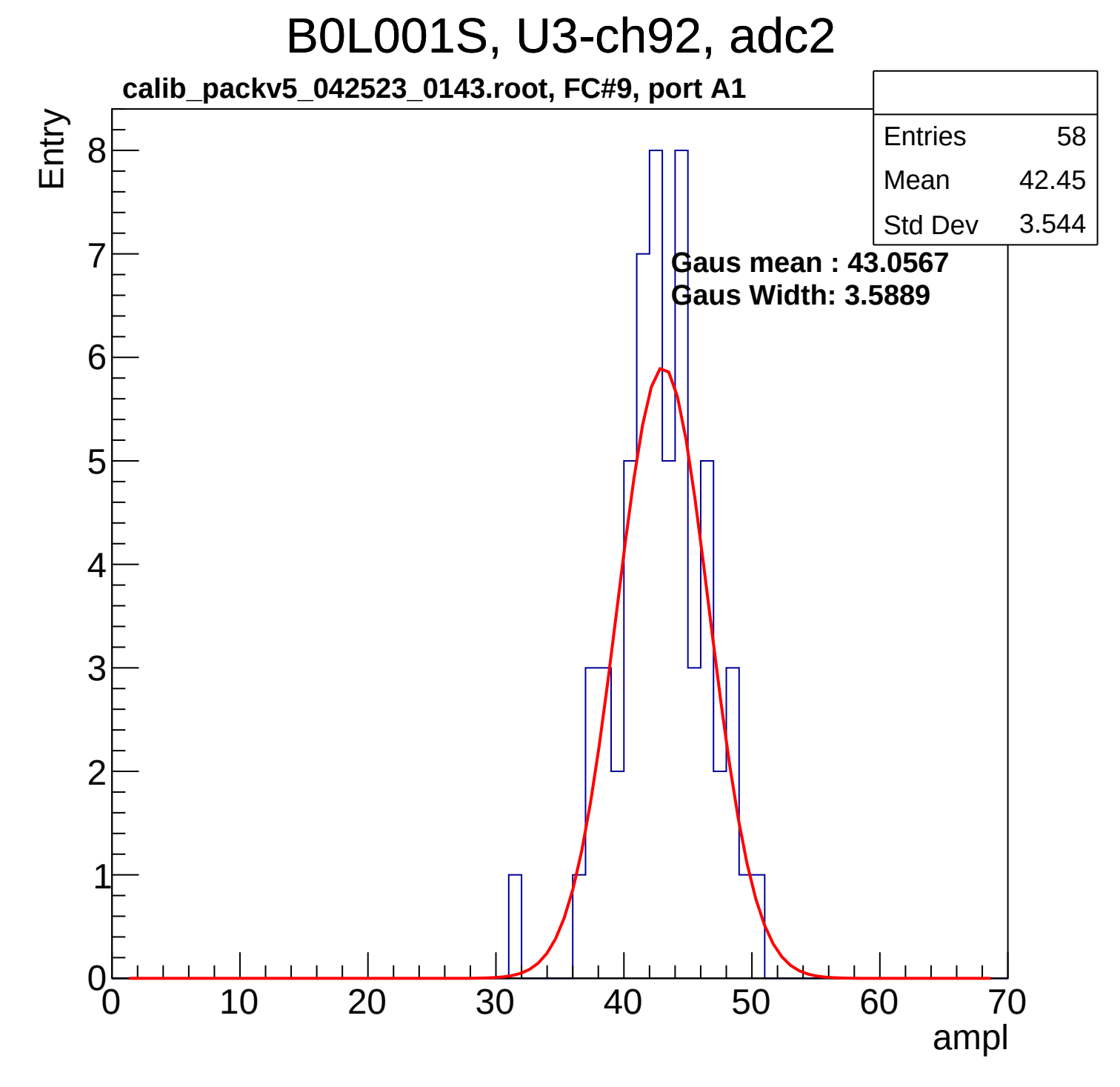

B0L001S, U3-ch92, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 36.73
Std Dev 3.655
Gaus mean : 37.3034
Gaus Width: 3.7748
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch92, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 42.45
Std Dev 3.544
Gaus mean : 43.0567
Gaus Width: 3.5889
Entry
ampl
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1
2
3
4
5
6
7
8
0
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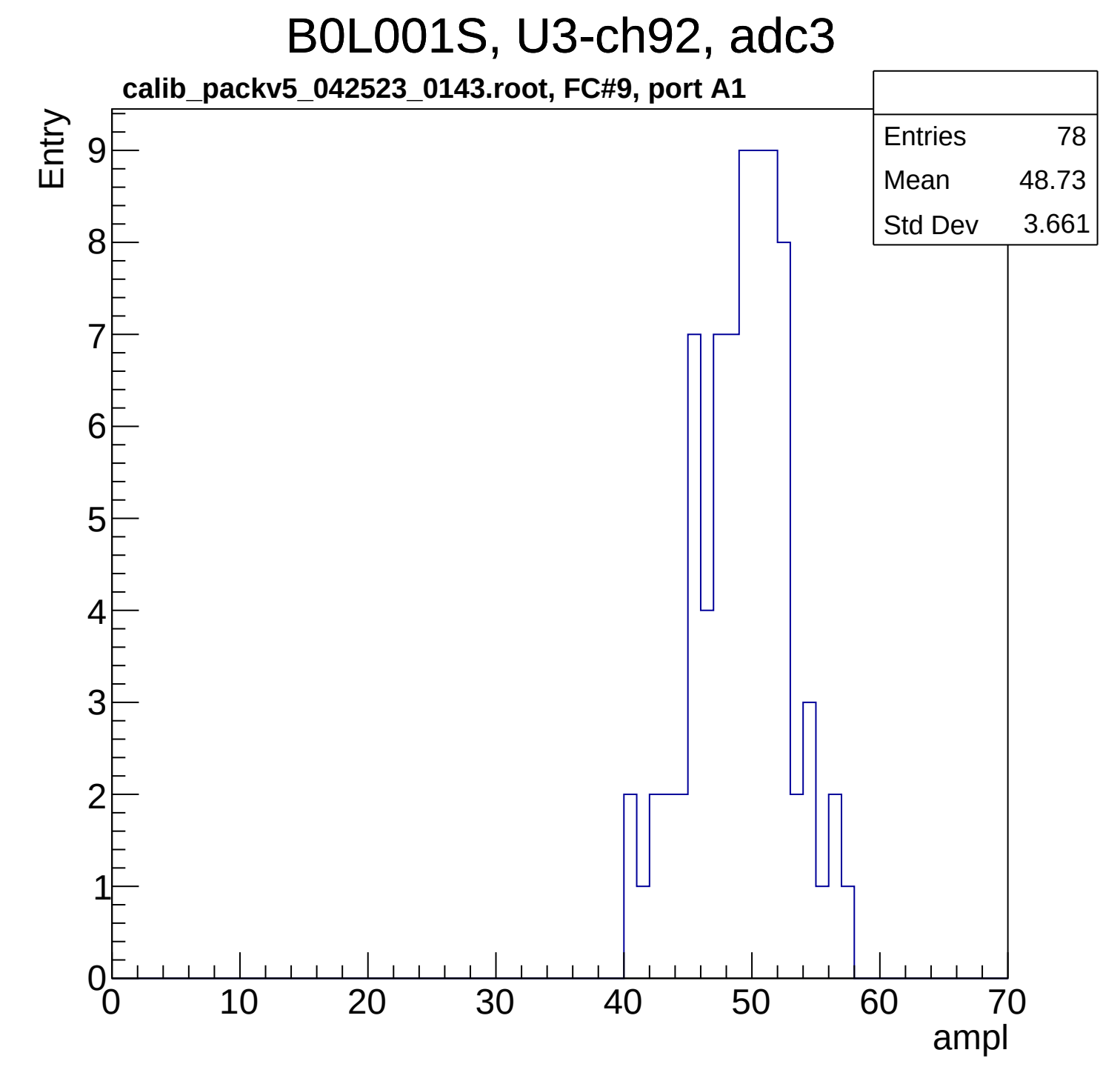
B0L001S, U3-ch92, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 48.73
Std Dev 3.661
Entry
ampl
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3
4
5
6
7
8
9
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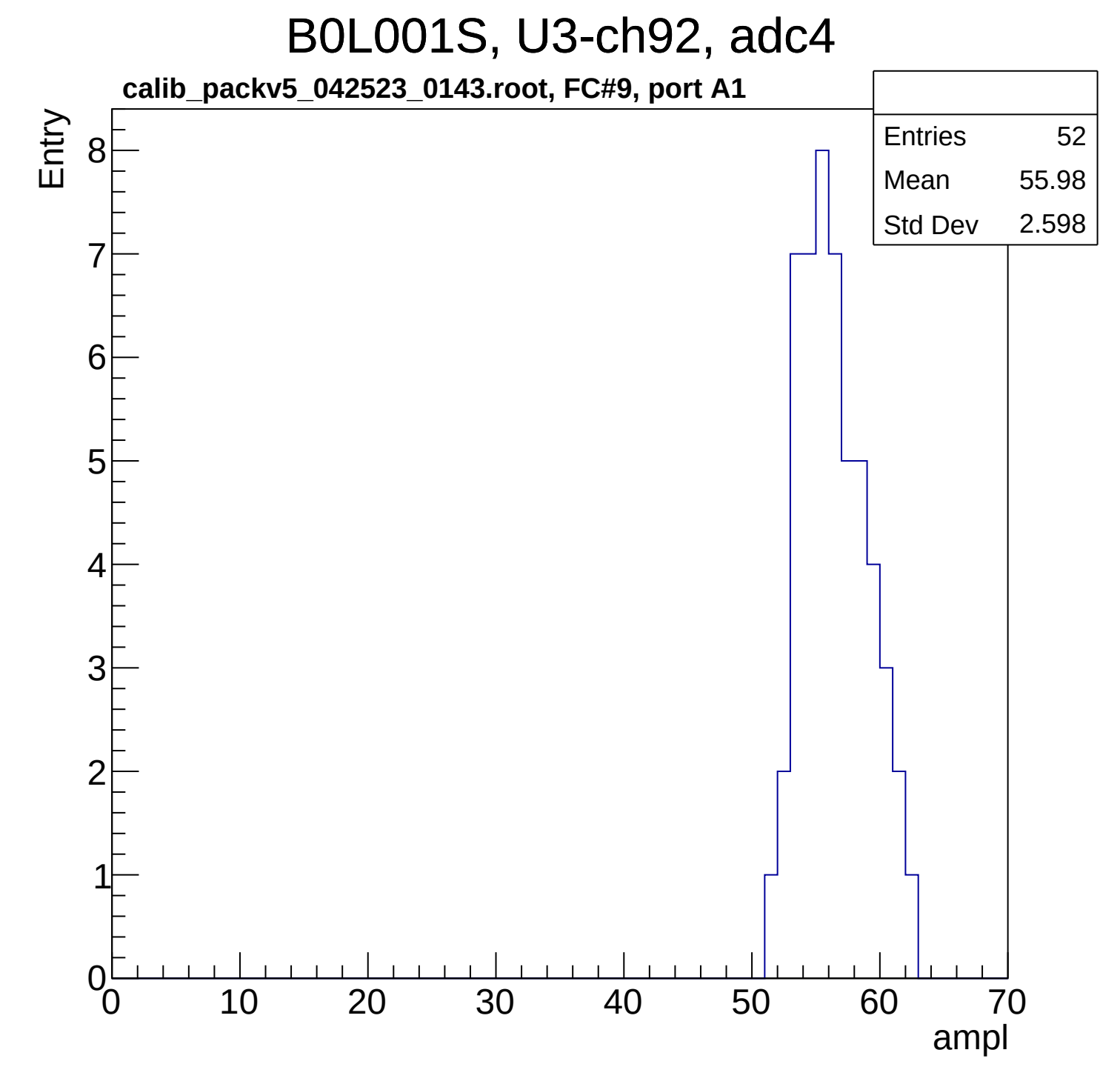
B0L001S, U3-ch92, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 55.98
Std Dev 2.598
Entry
ampl
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2
3
4
5
6
7
8
0
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40
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60
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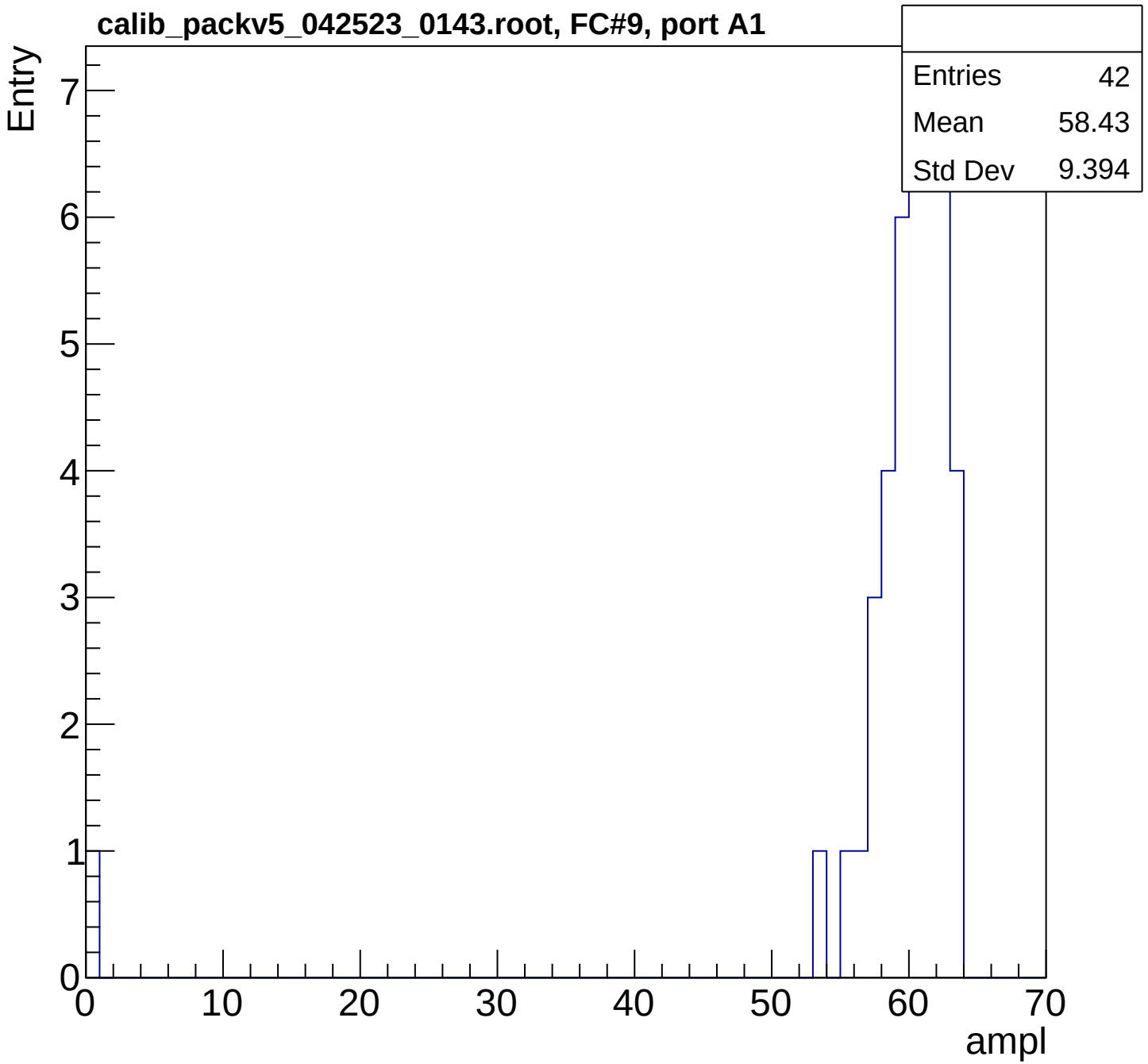
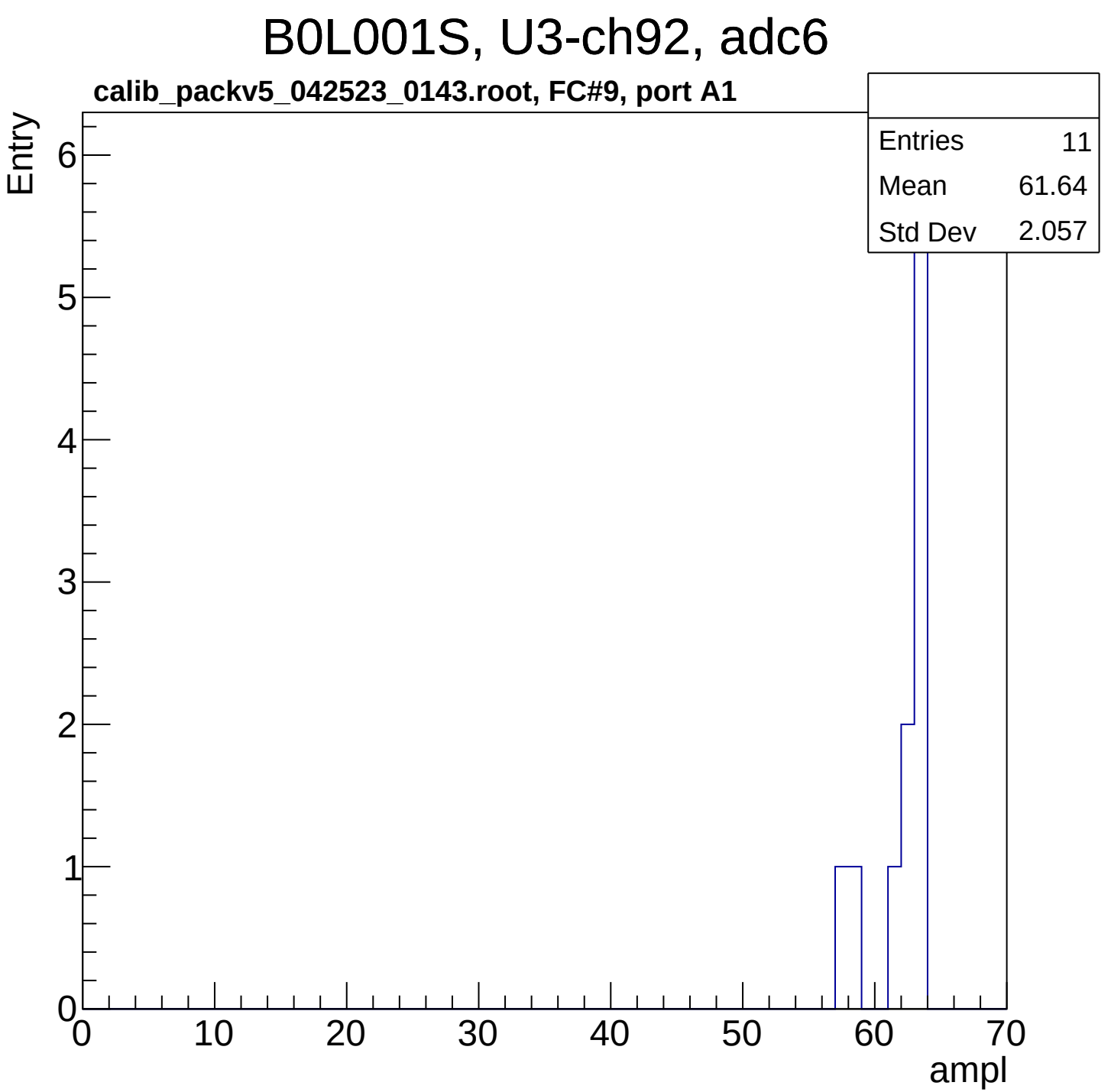
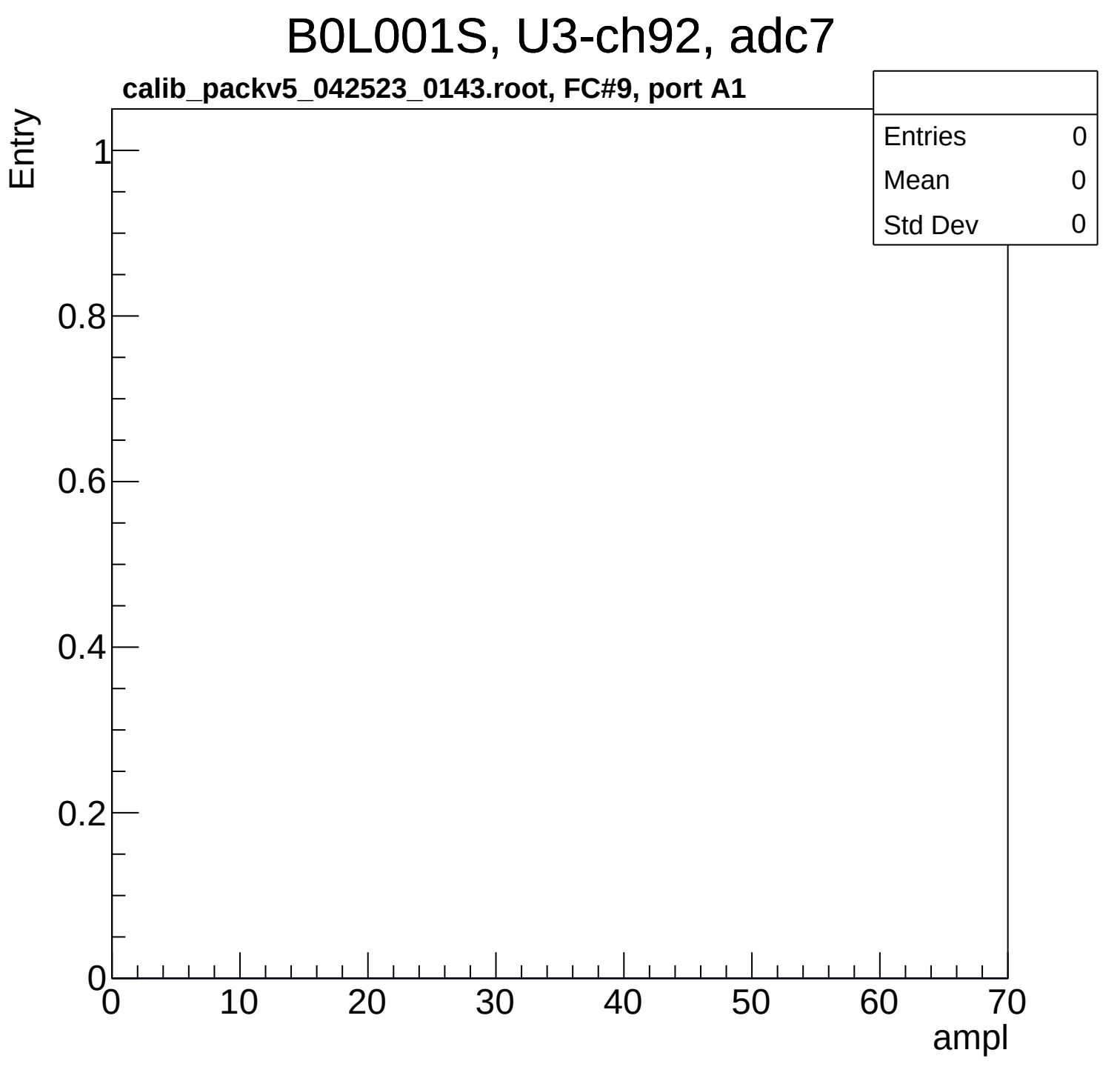
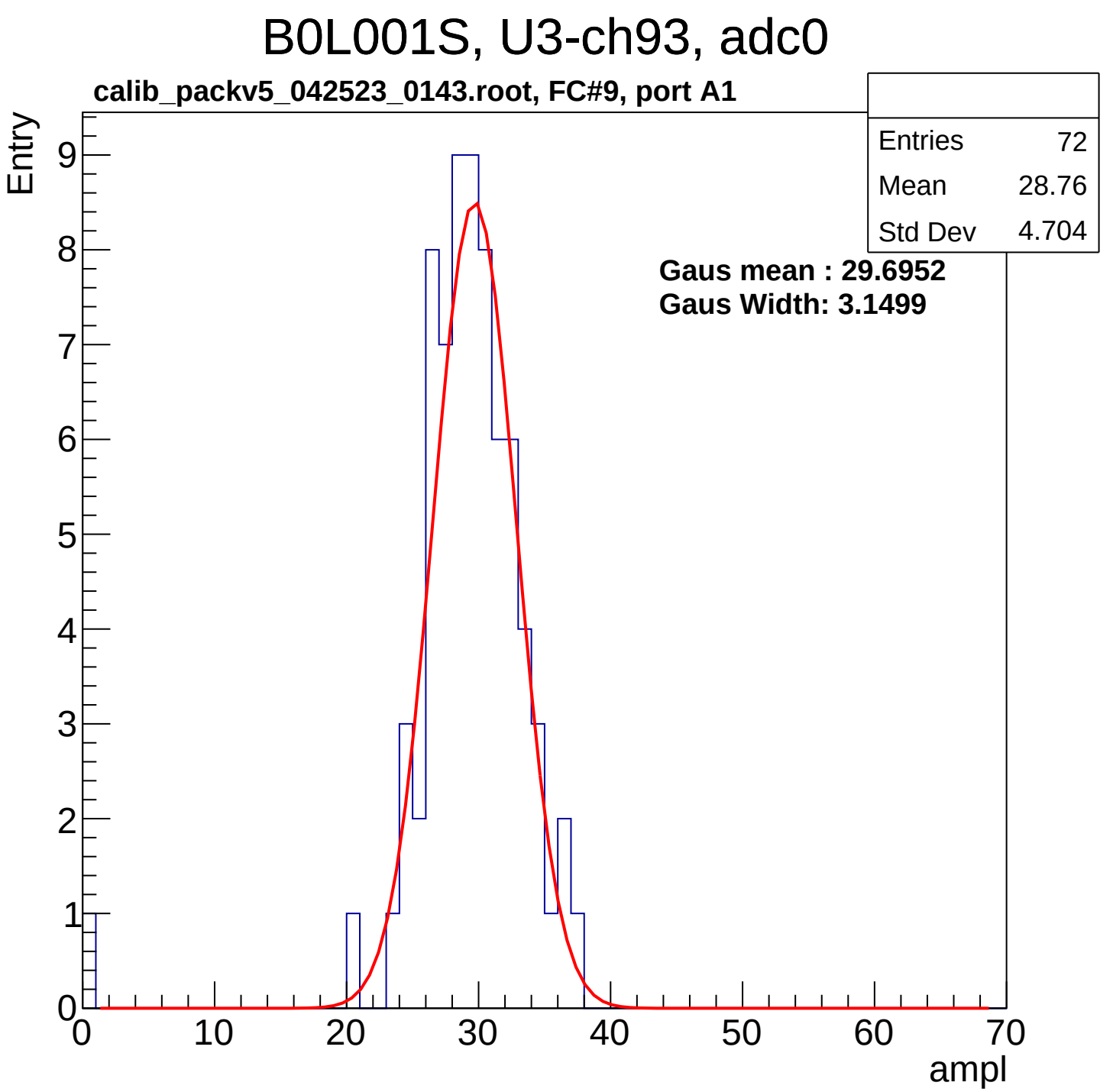
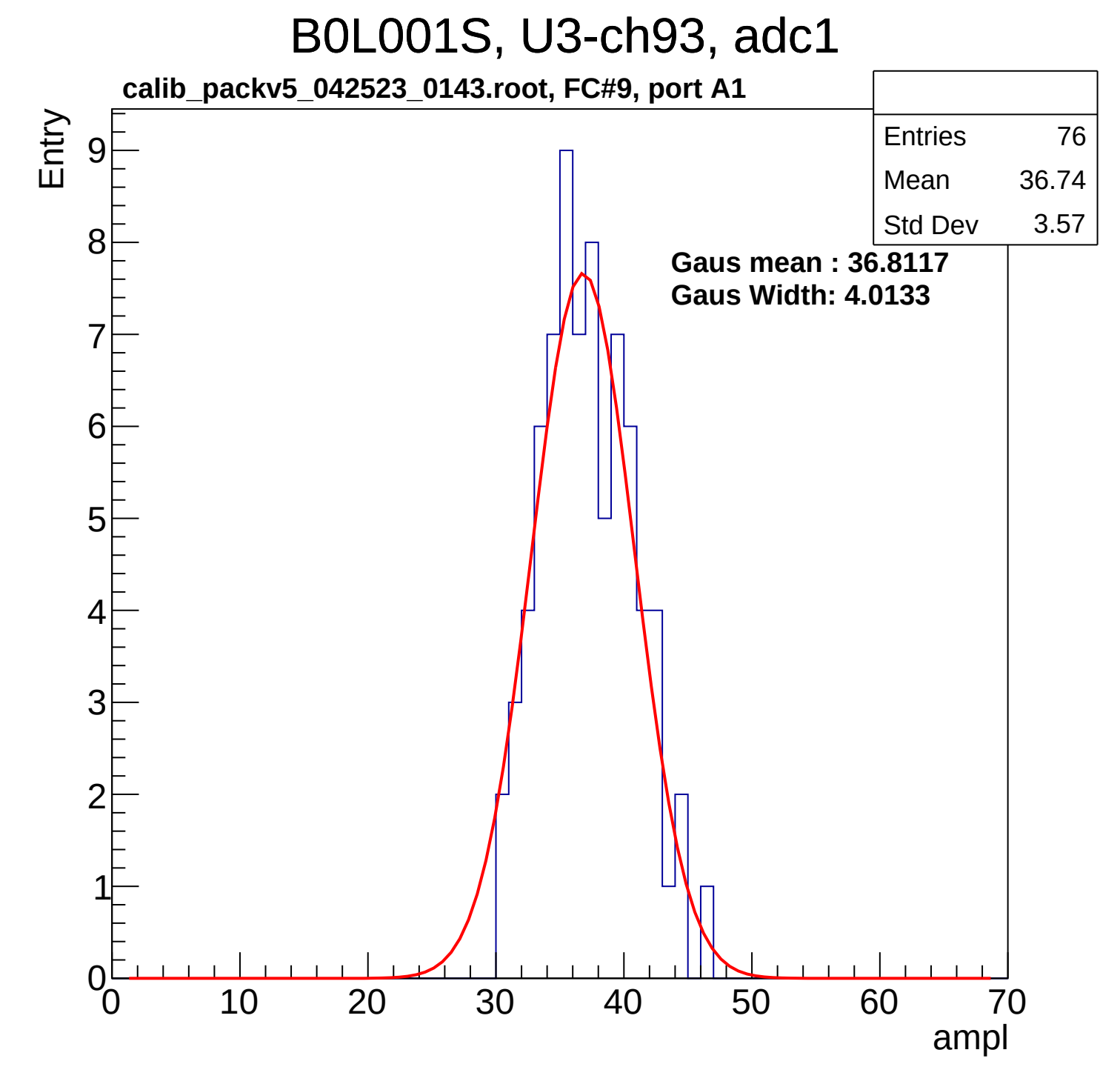
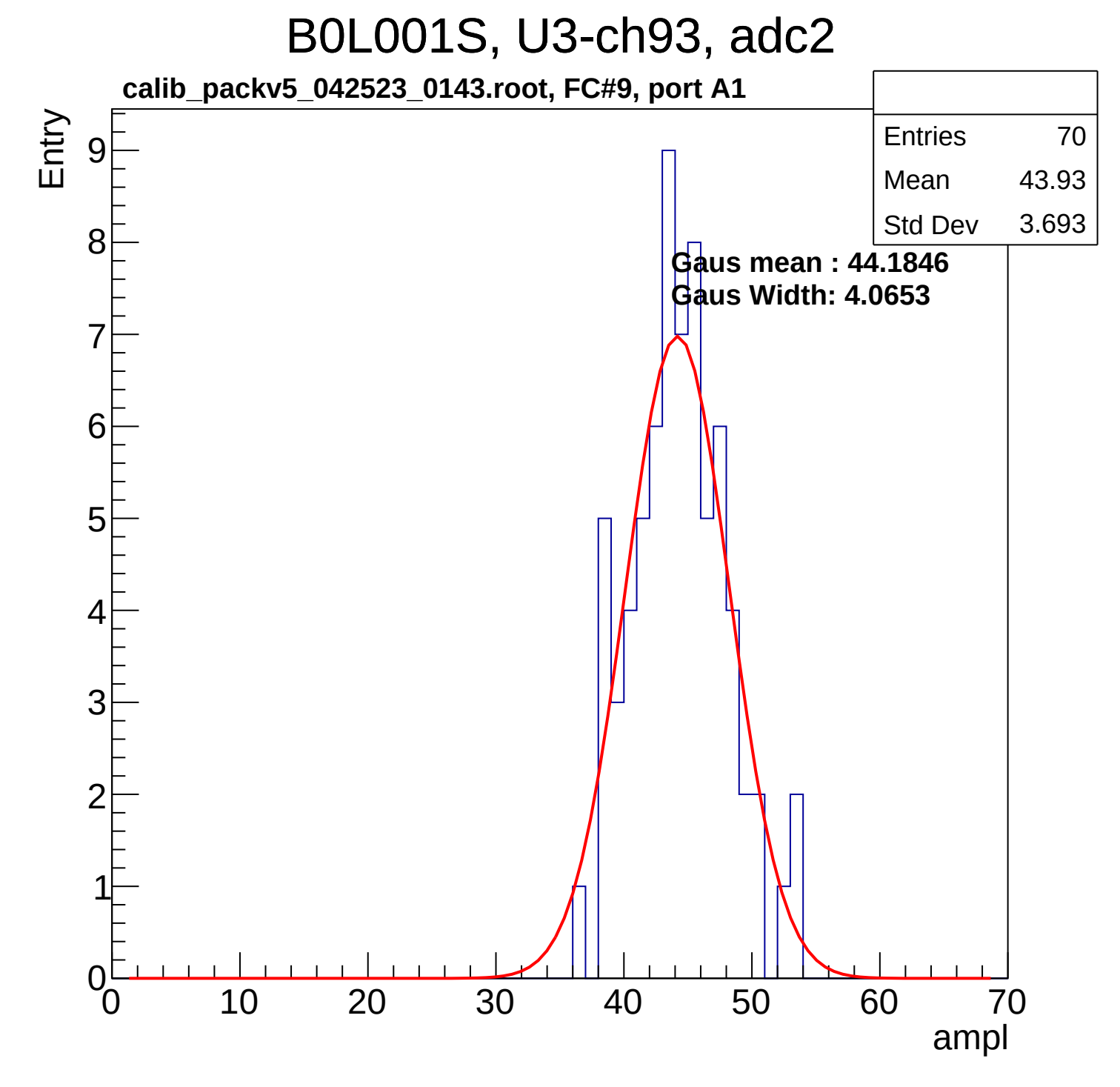

B0L001S, U3-ch92, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 58.43
Std Dev 9.394
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

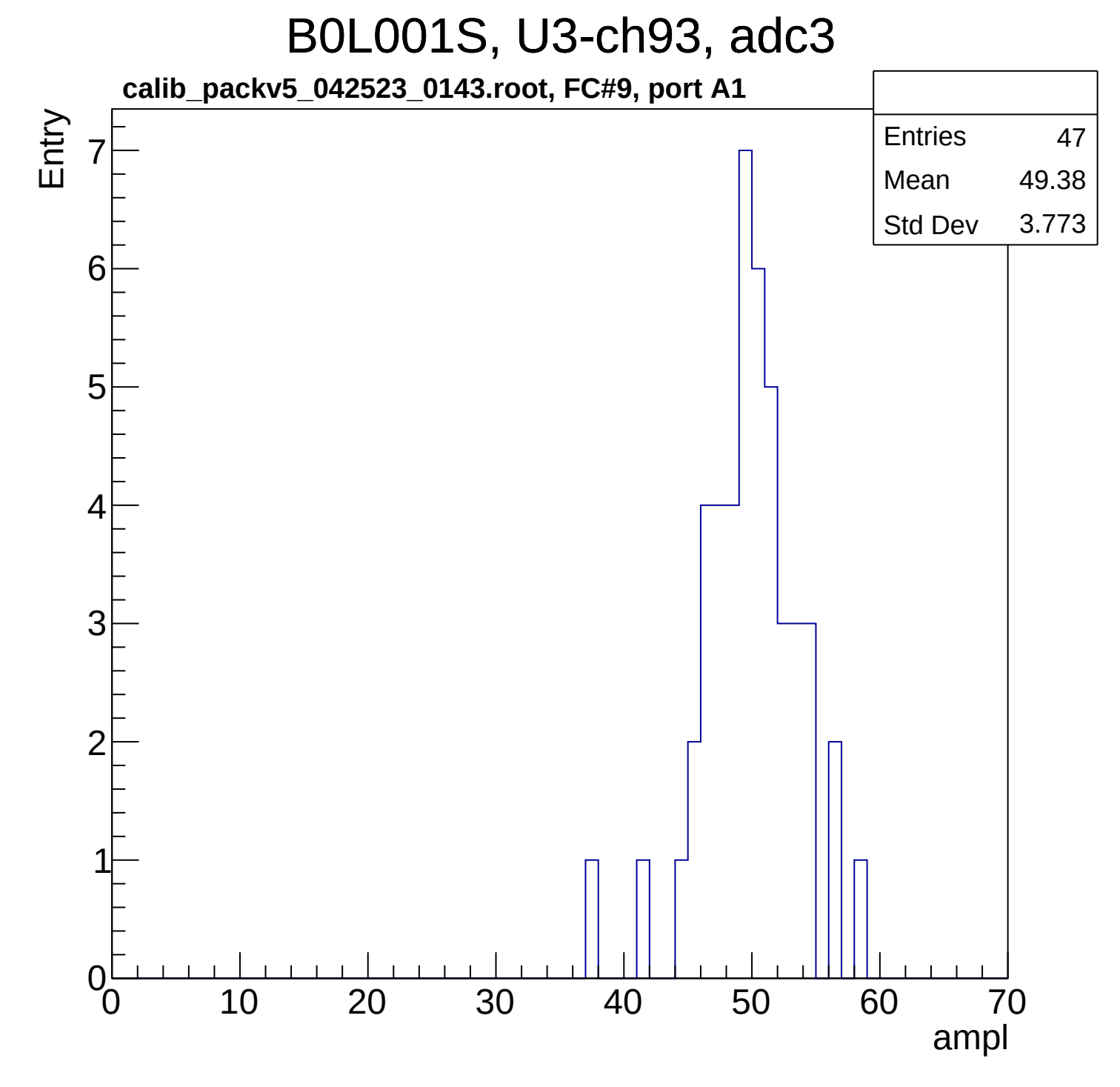

B0L001S, U3-ch92, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 11
Mean 61.64
Std Dev 2.057
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

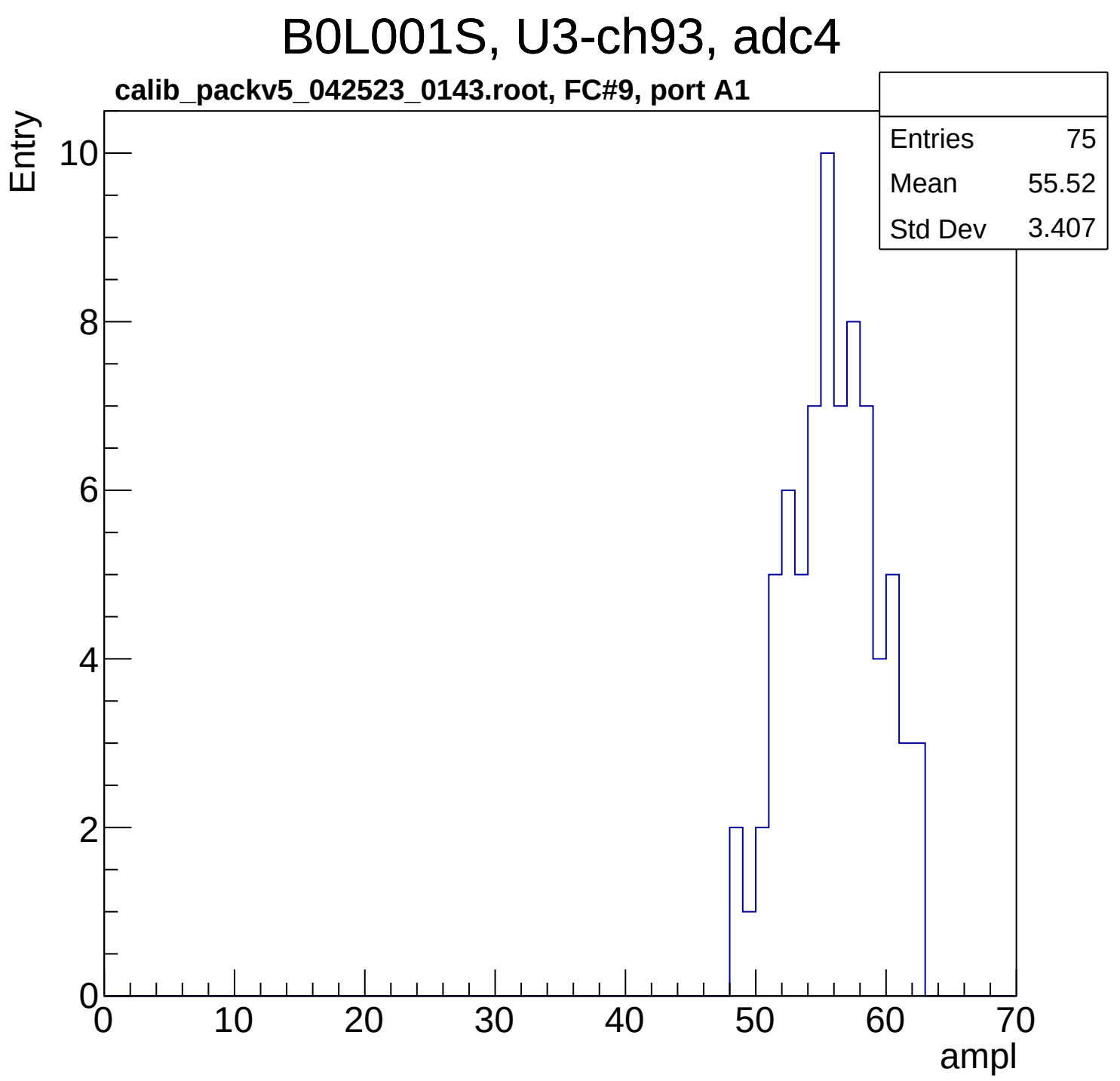

B0L001S, U3-ch92, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

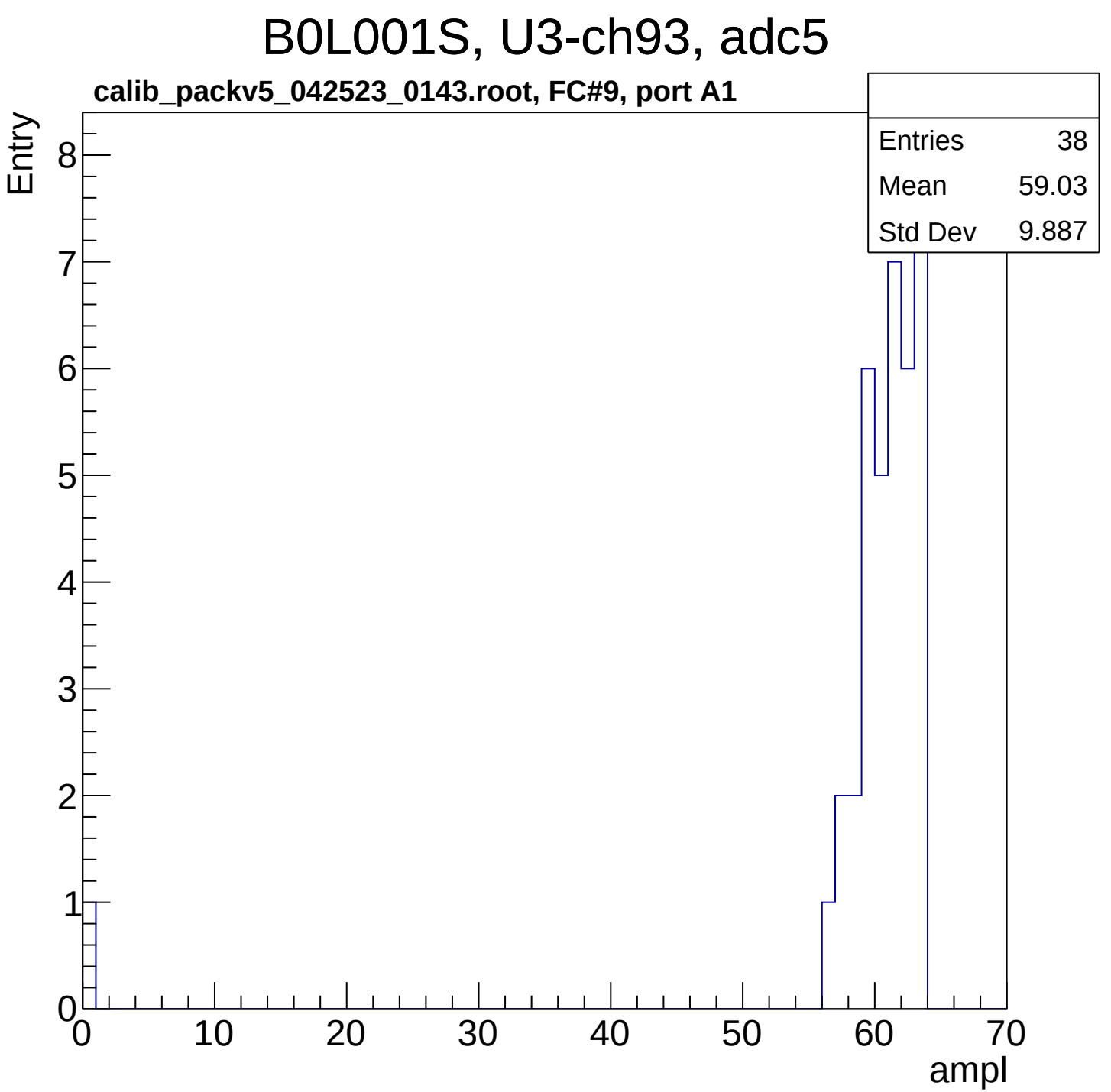

B0L001S, U3-ch93, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 28.76
Std Dev 4.704
Gaus mean : 29.6952
Gaus Width: 3.1499
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

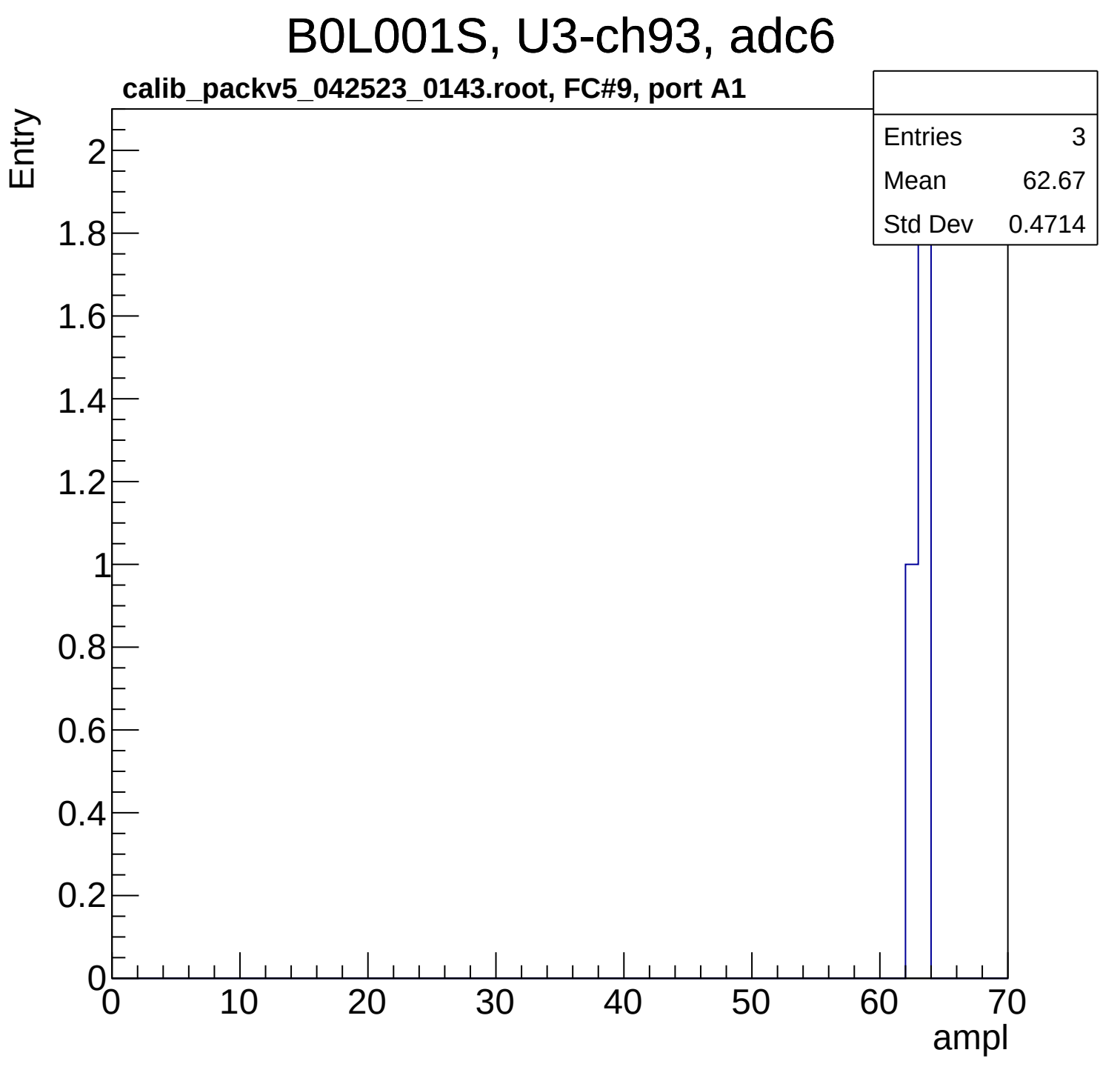

B0L001S, U3-ch93, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 36.74
Std Dev 3.57
Gaus mean : 36.8117
Gaus Width: 4.0133
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

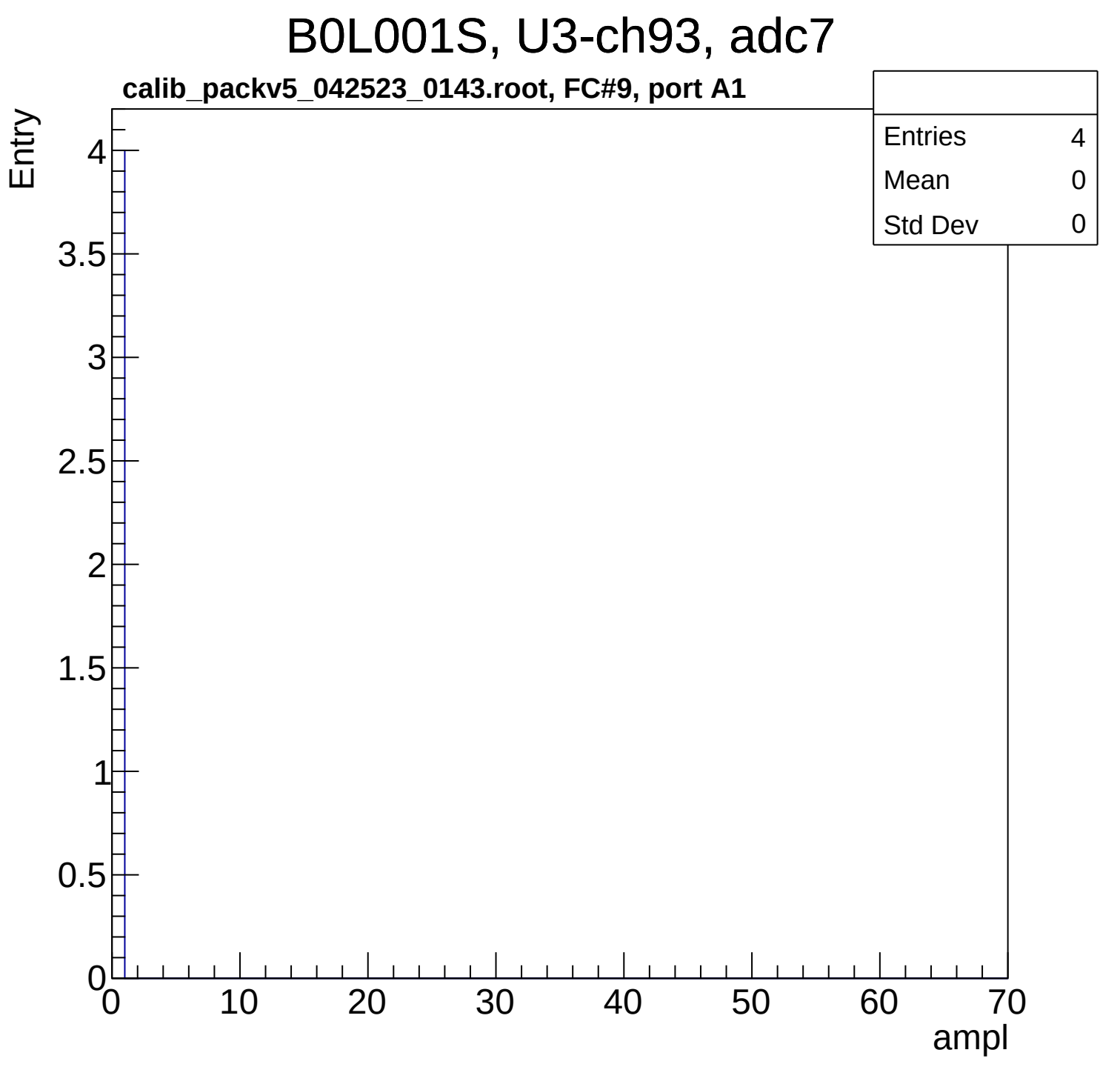

B0L001S, U3-ch93, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 43.93
Std Dev 3.693
Gaus mean : 44.1846
Gaus Width: 4.0653
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

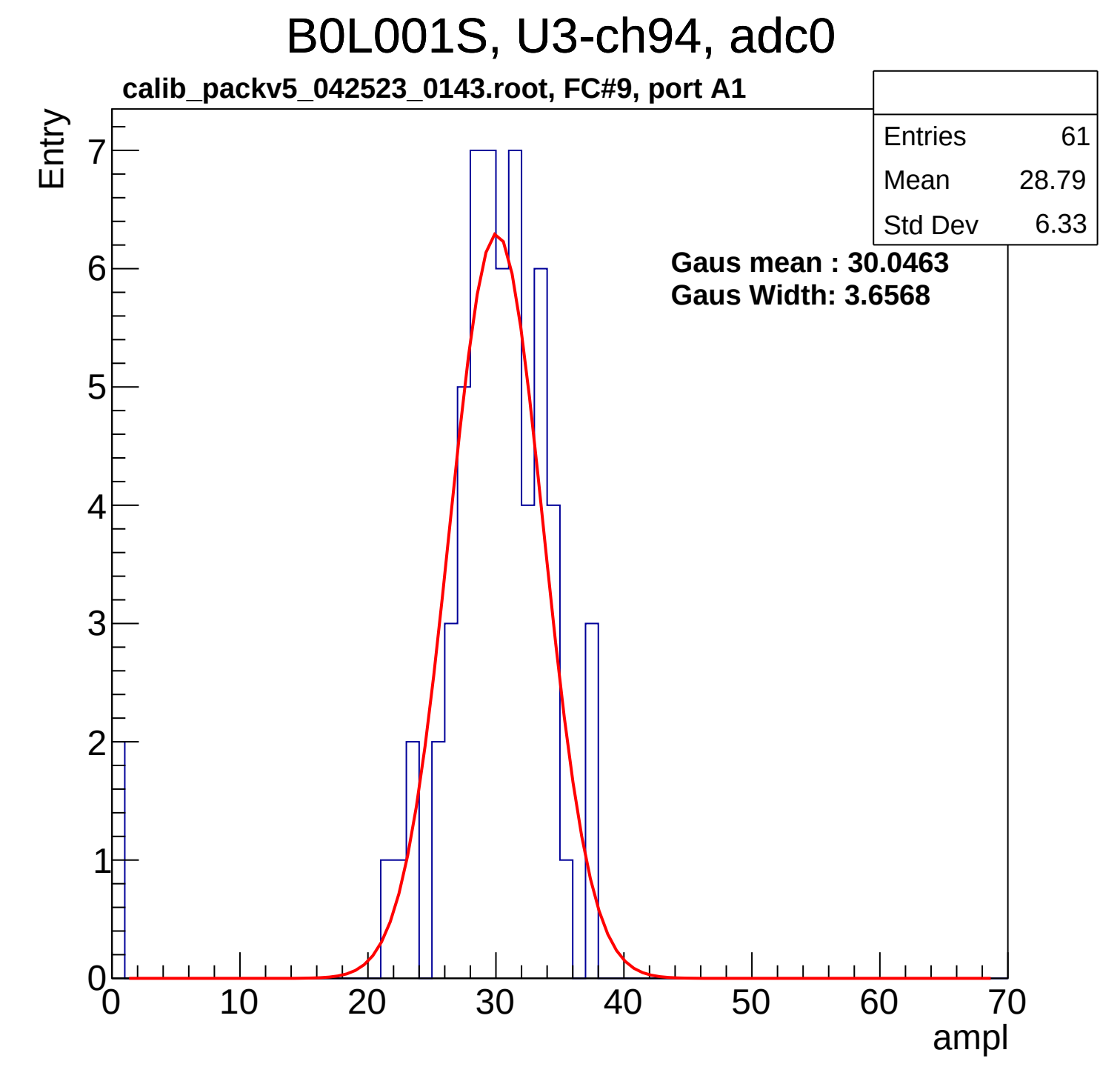

B0L001S, U3-ch93, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 49.38
Std Dev 3.773
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

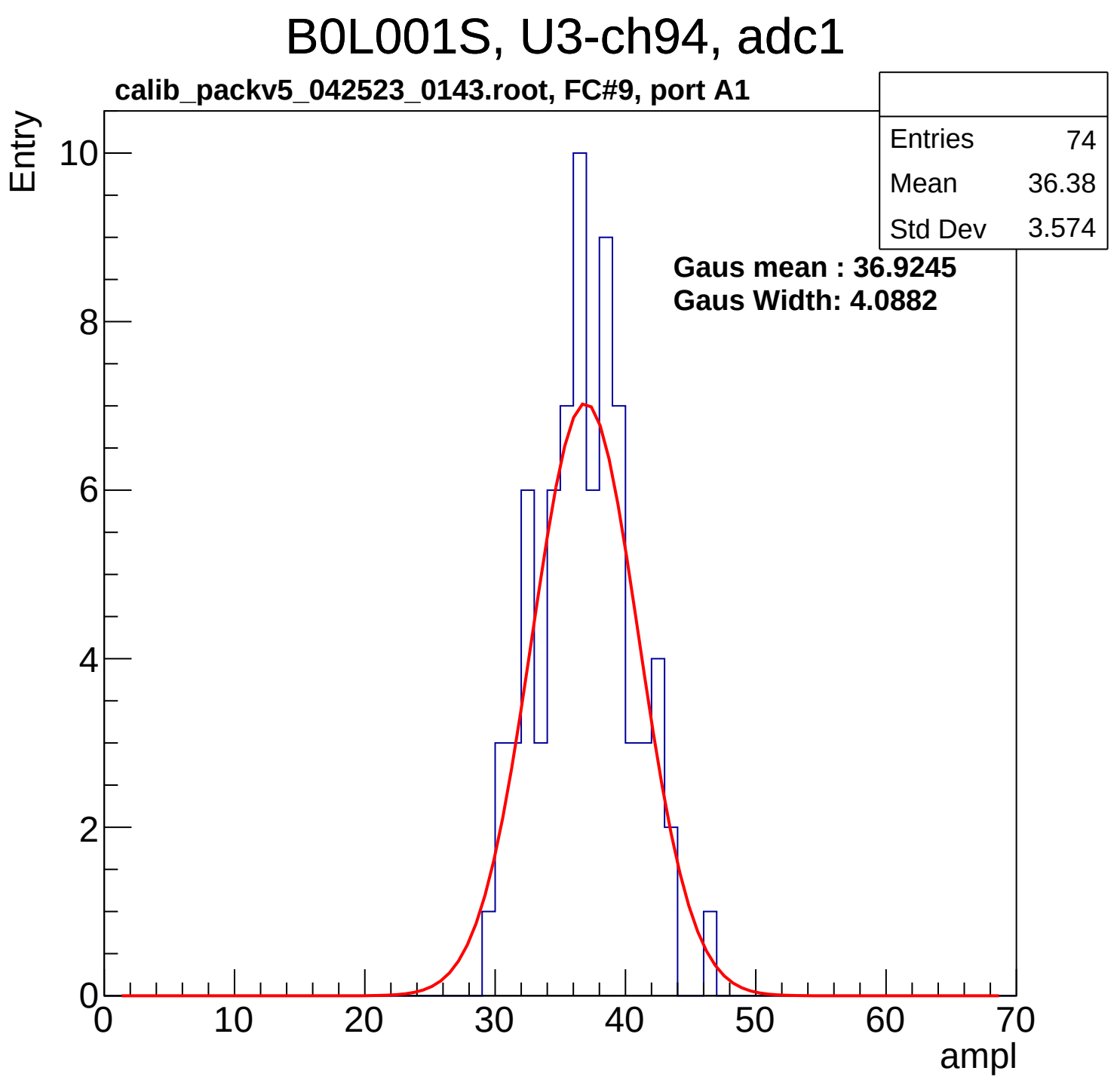

B0L001S, U3-ch93, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 55.52
Std Dev 3.407
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

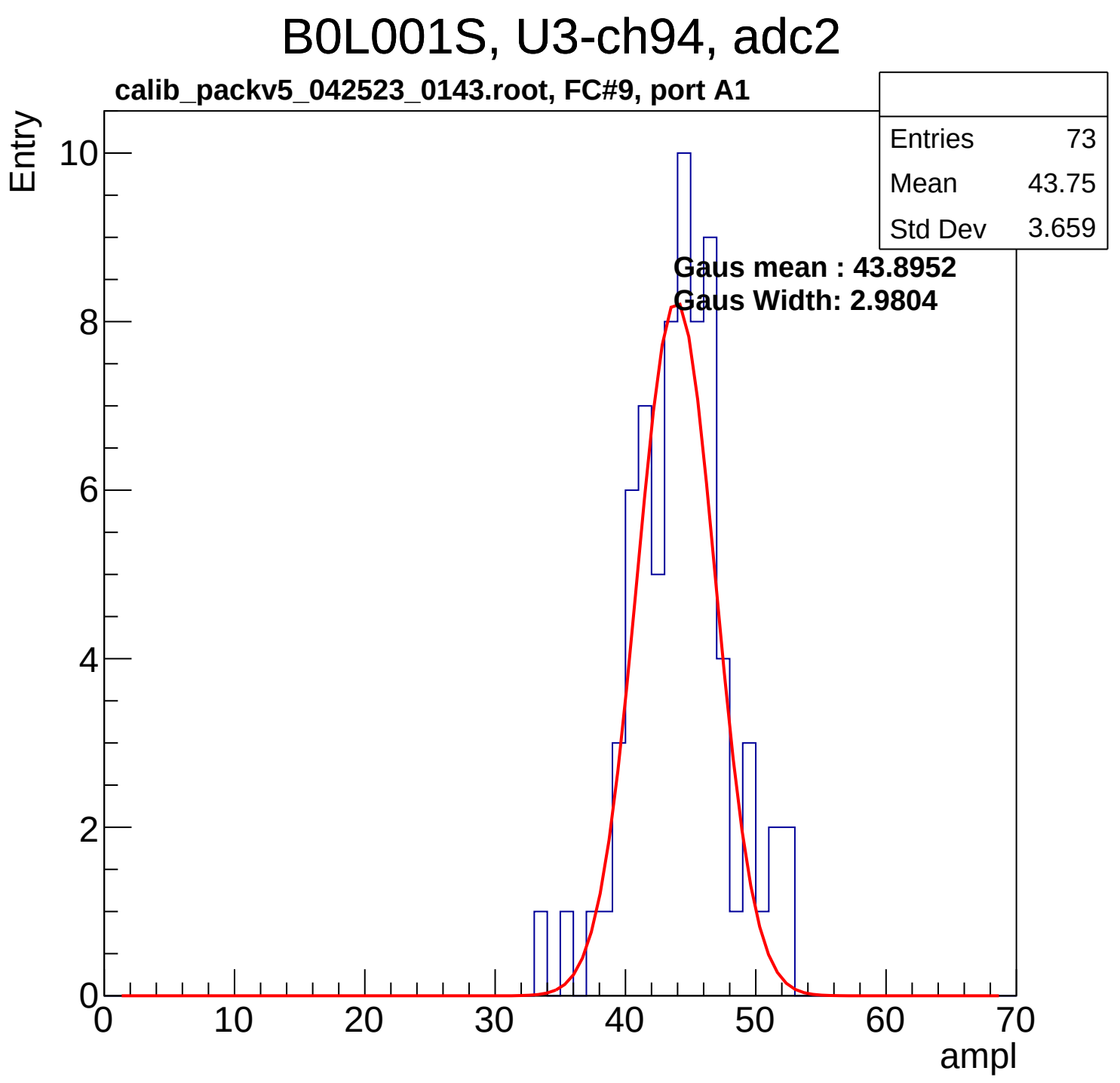

B0L001S, U3-ch93, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 59.03
Std Dev 9.887
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

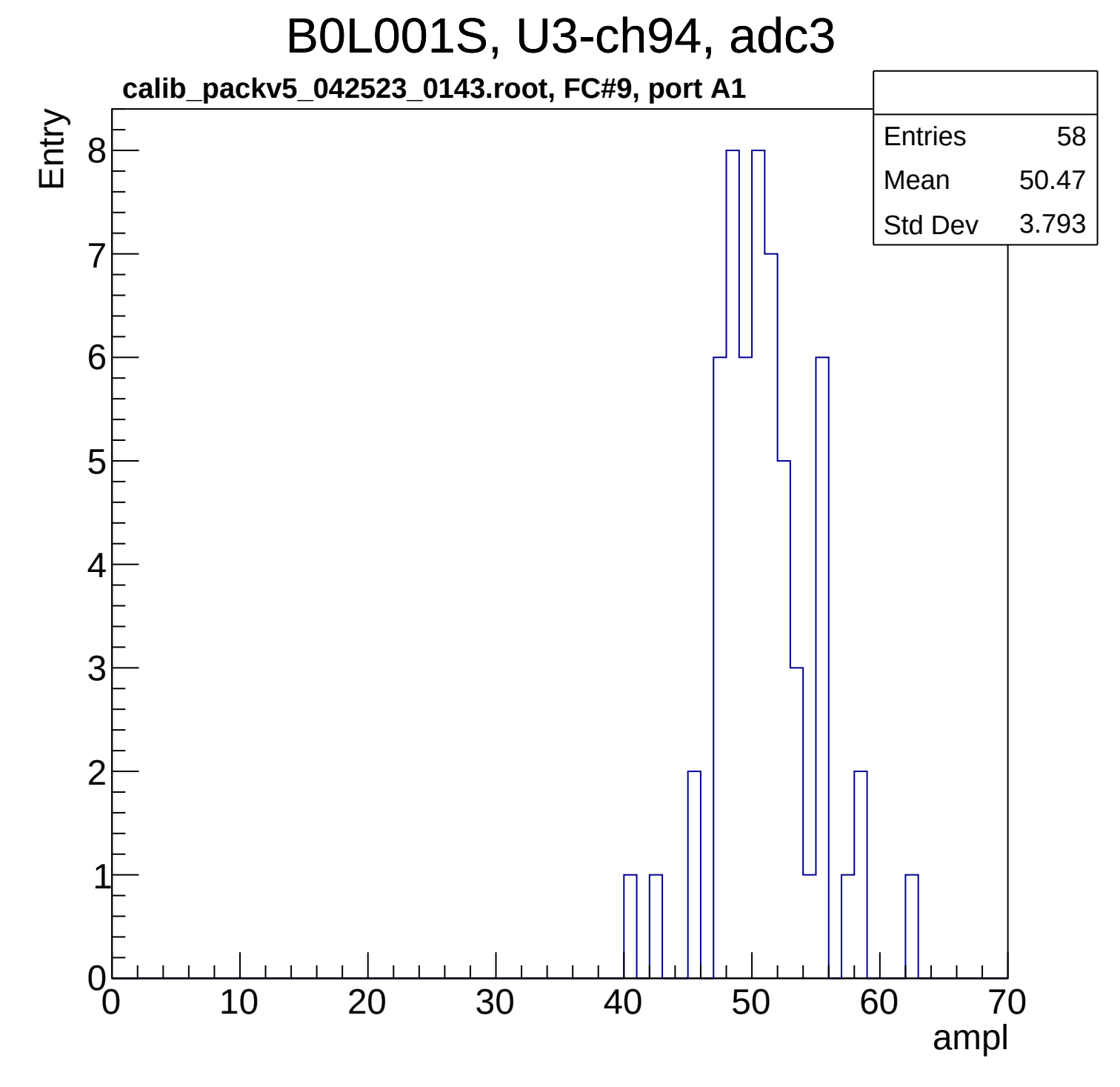

B0L001S, U3-ch93, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 62.67
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

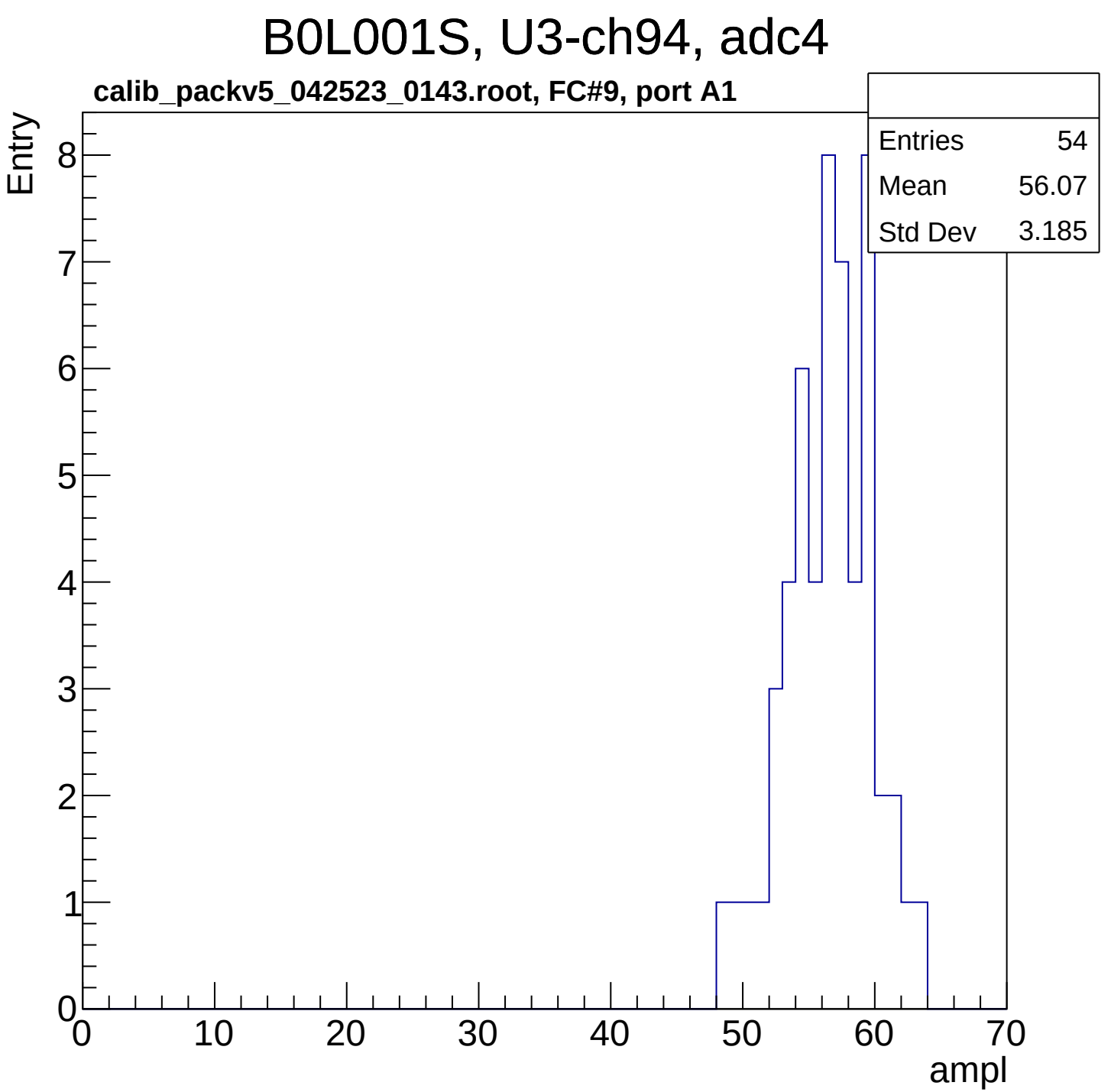

B0L001S, U3-ch93, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70
ampl

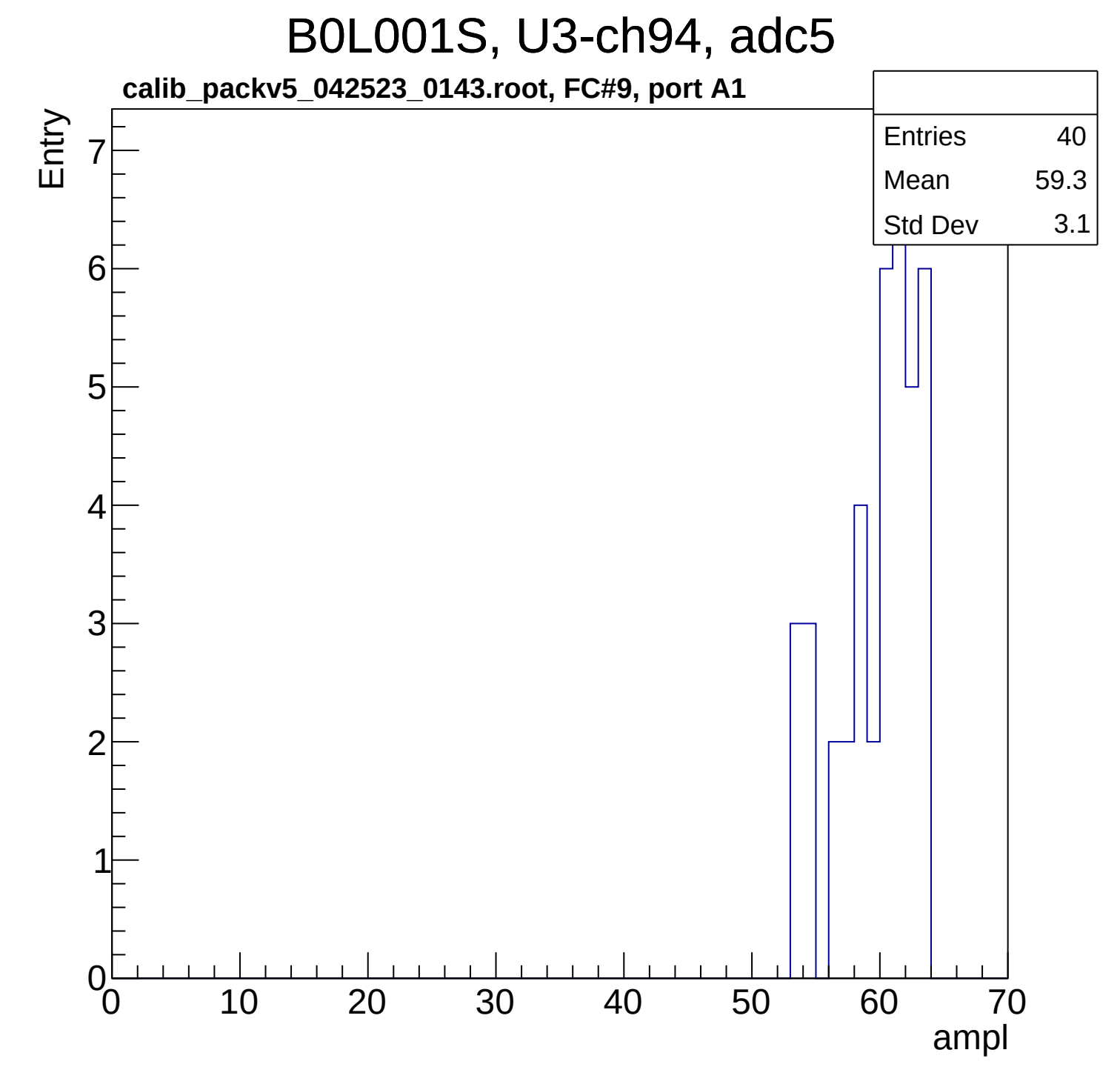

B0L001S, U3-ch94, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 28.79
Std Dev 6.33
Gaus mean : 30.0463
Gaus Width: 3.6568
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

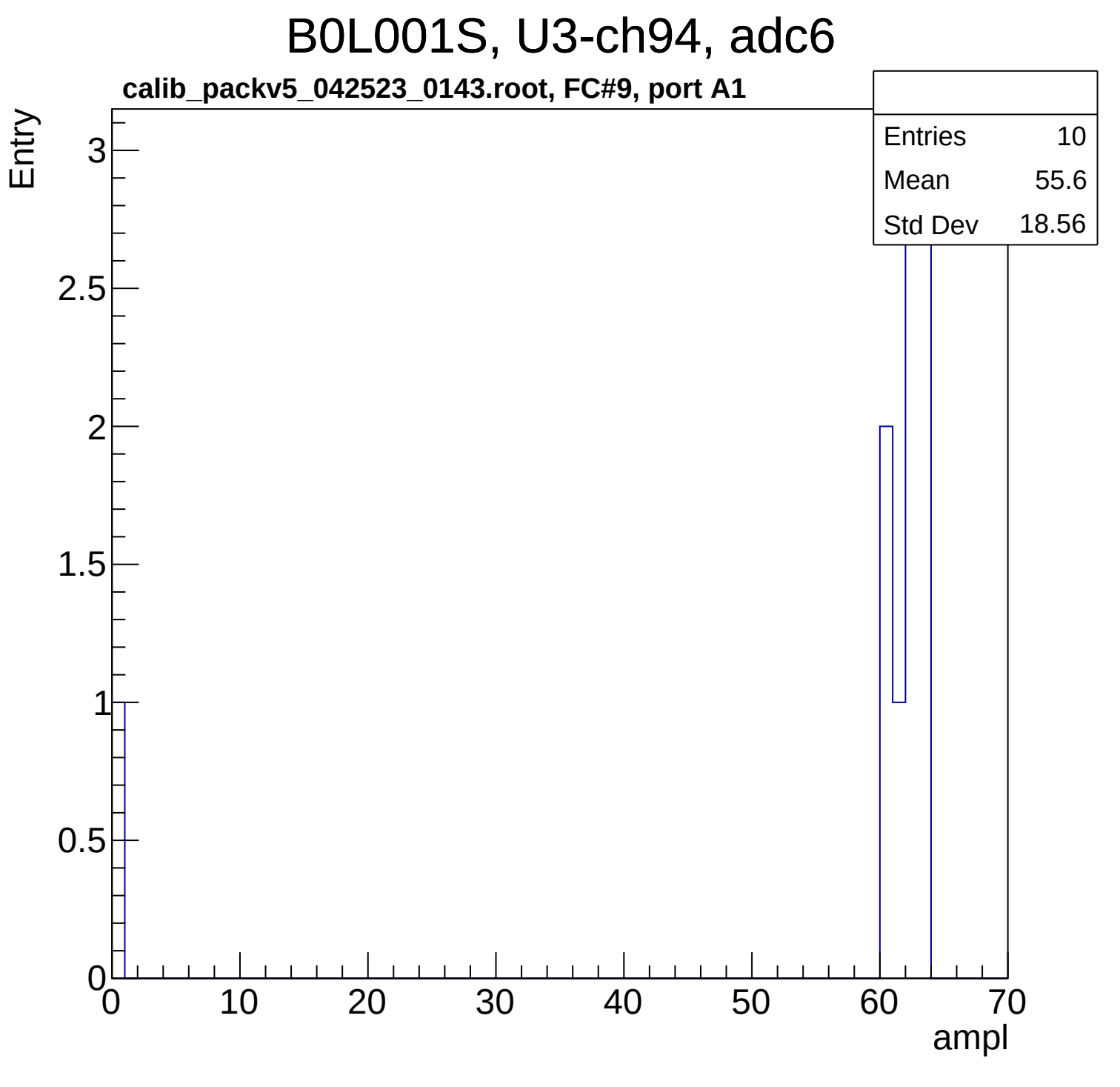

B0L001S, U3-ch94, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 36.38
Std Dev 3.574
Gaus mean : 36.9245
Gaus Width: 4.0882
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

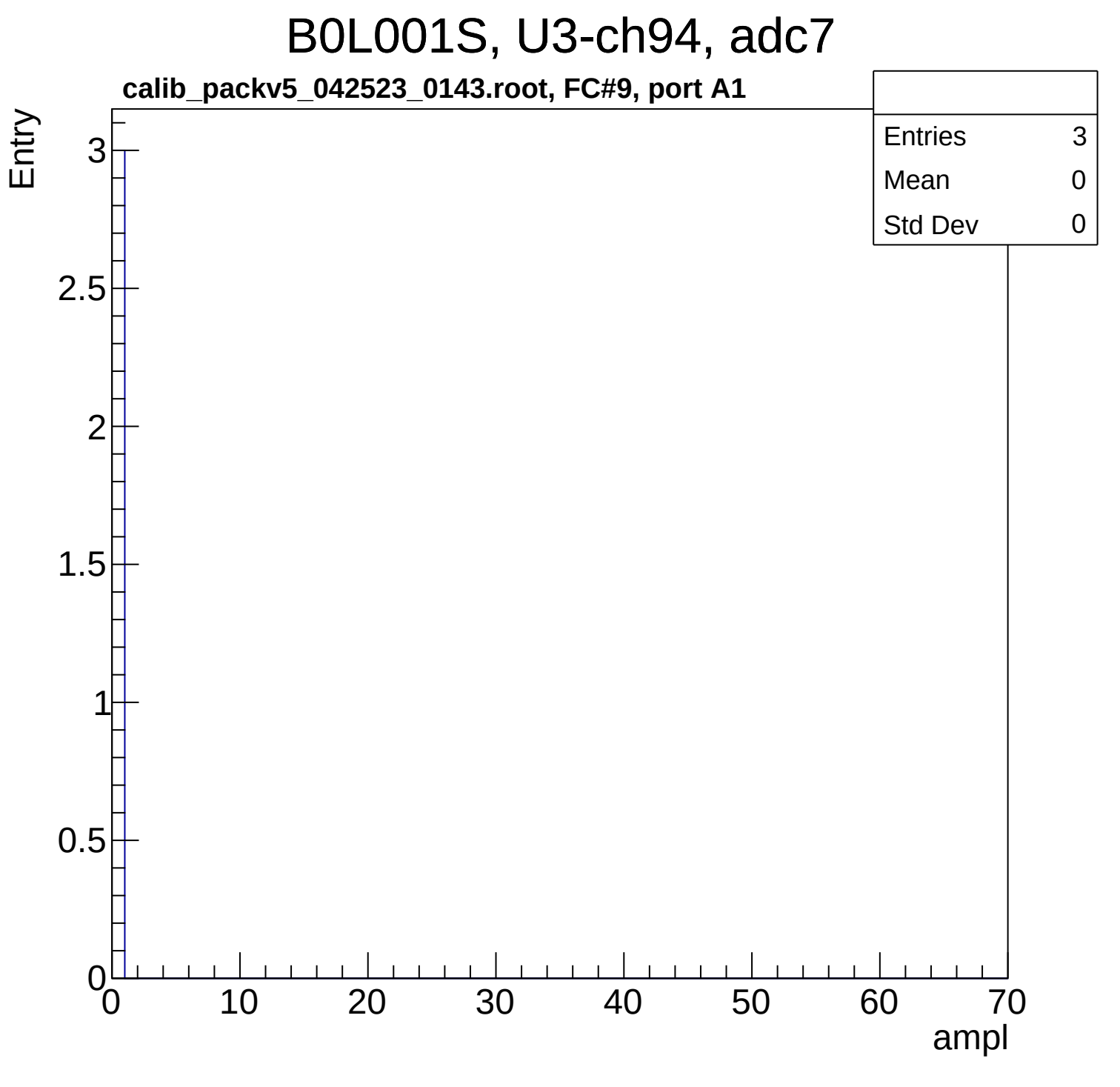

B0L001S, U3-ch94, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 43.75
Std Dev 3.659
Gaus mean : 43.8952
Gaus Width: 2.9804
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

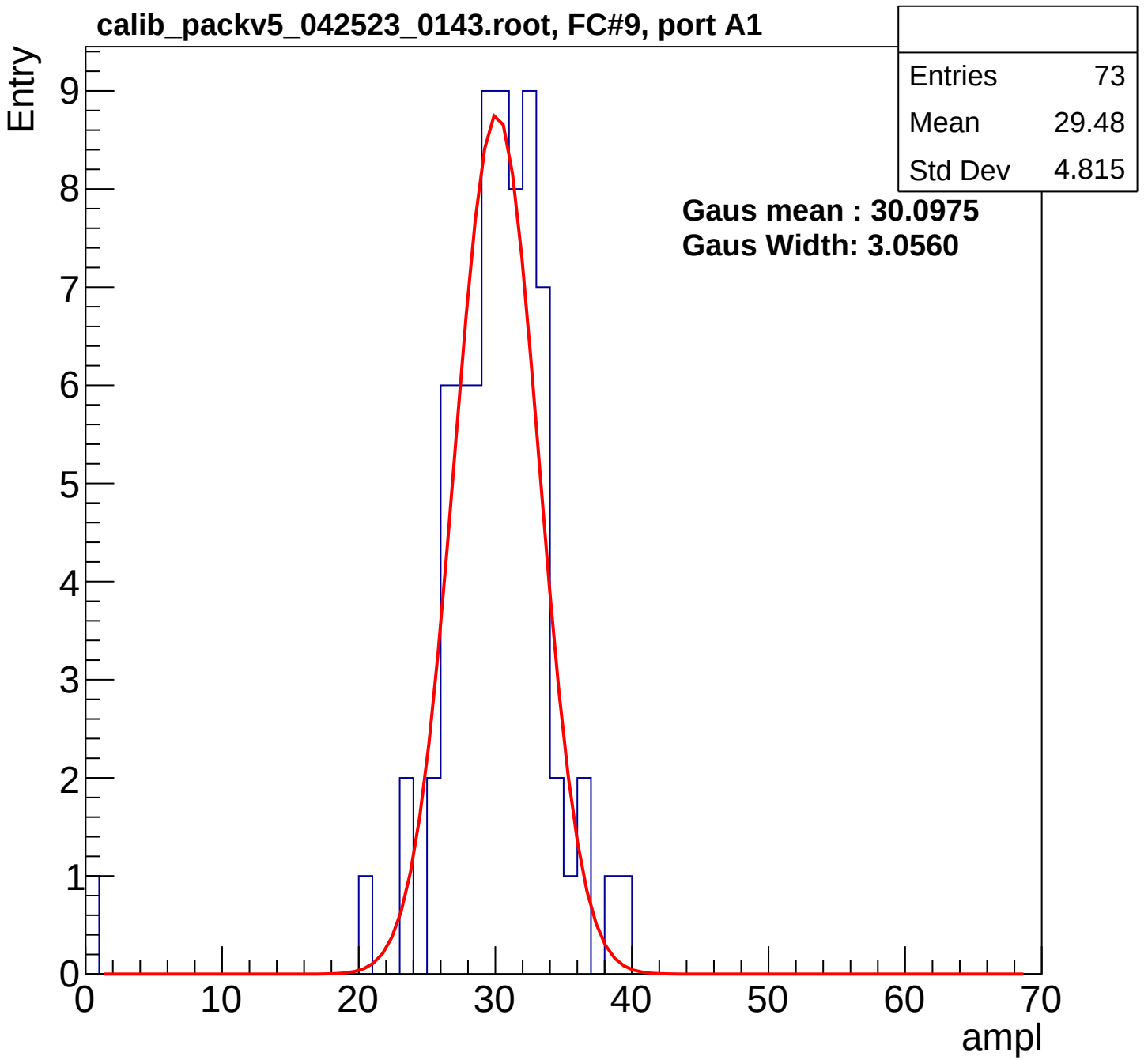

B0L001S, U3-ch94, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 50.47
Std Dev 3.793
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

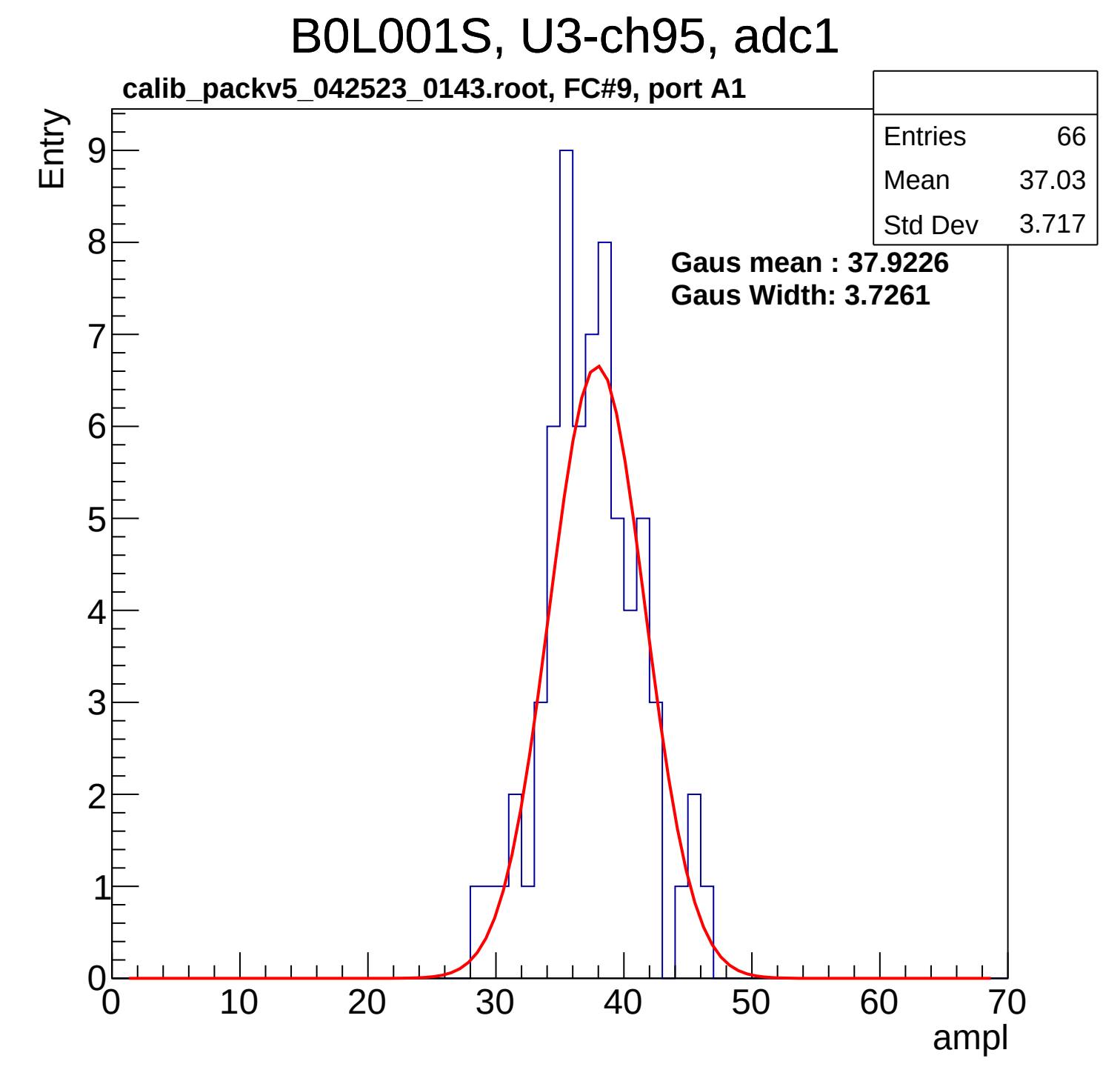

B0L001S, U3-ch94, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 56.07
Std Dev 3.185
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

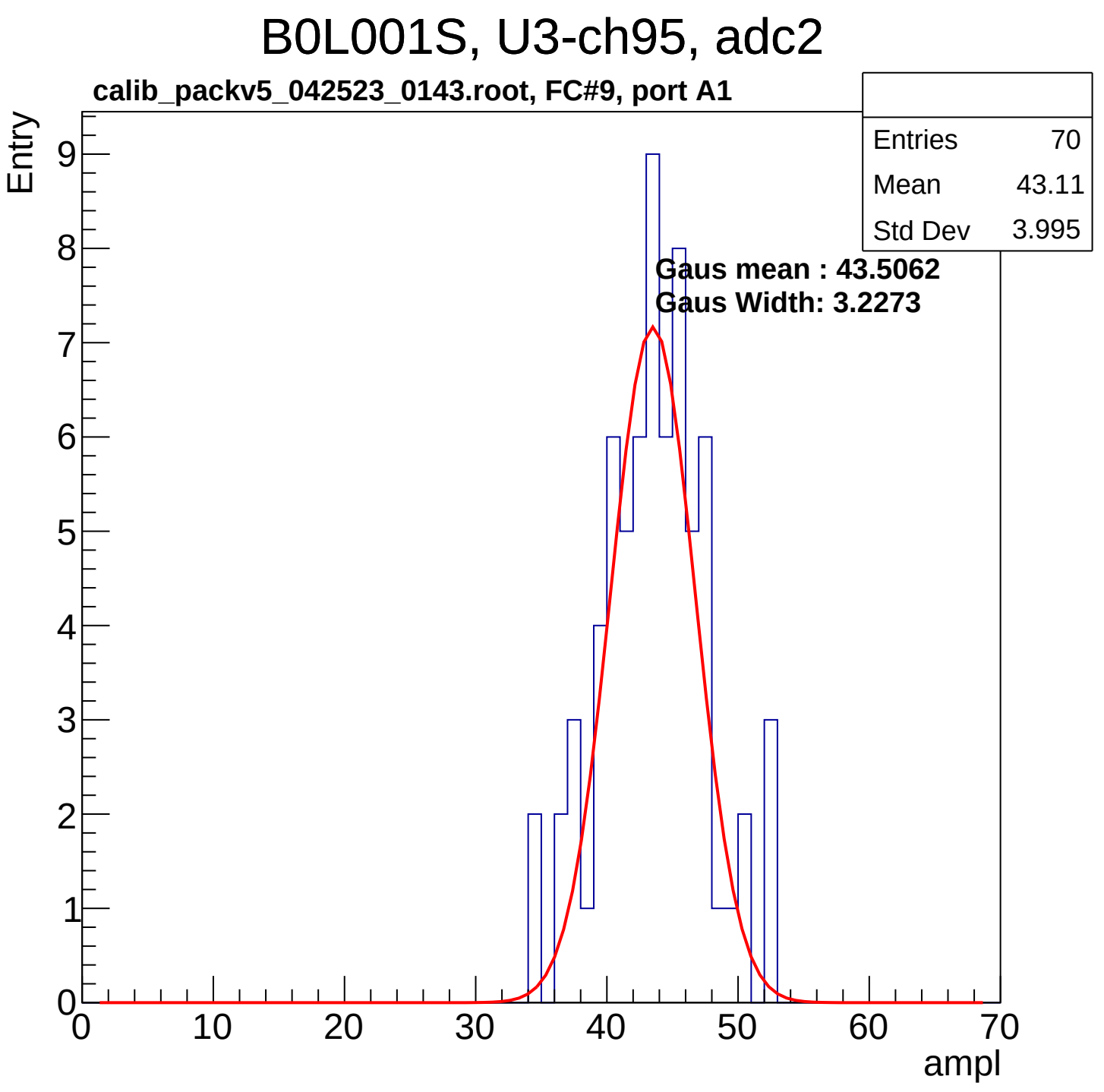

B0L001S, U3-ch94, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 59.3
Std Dev 3.1
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl

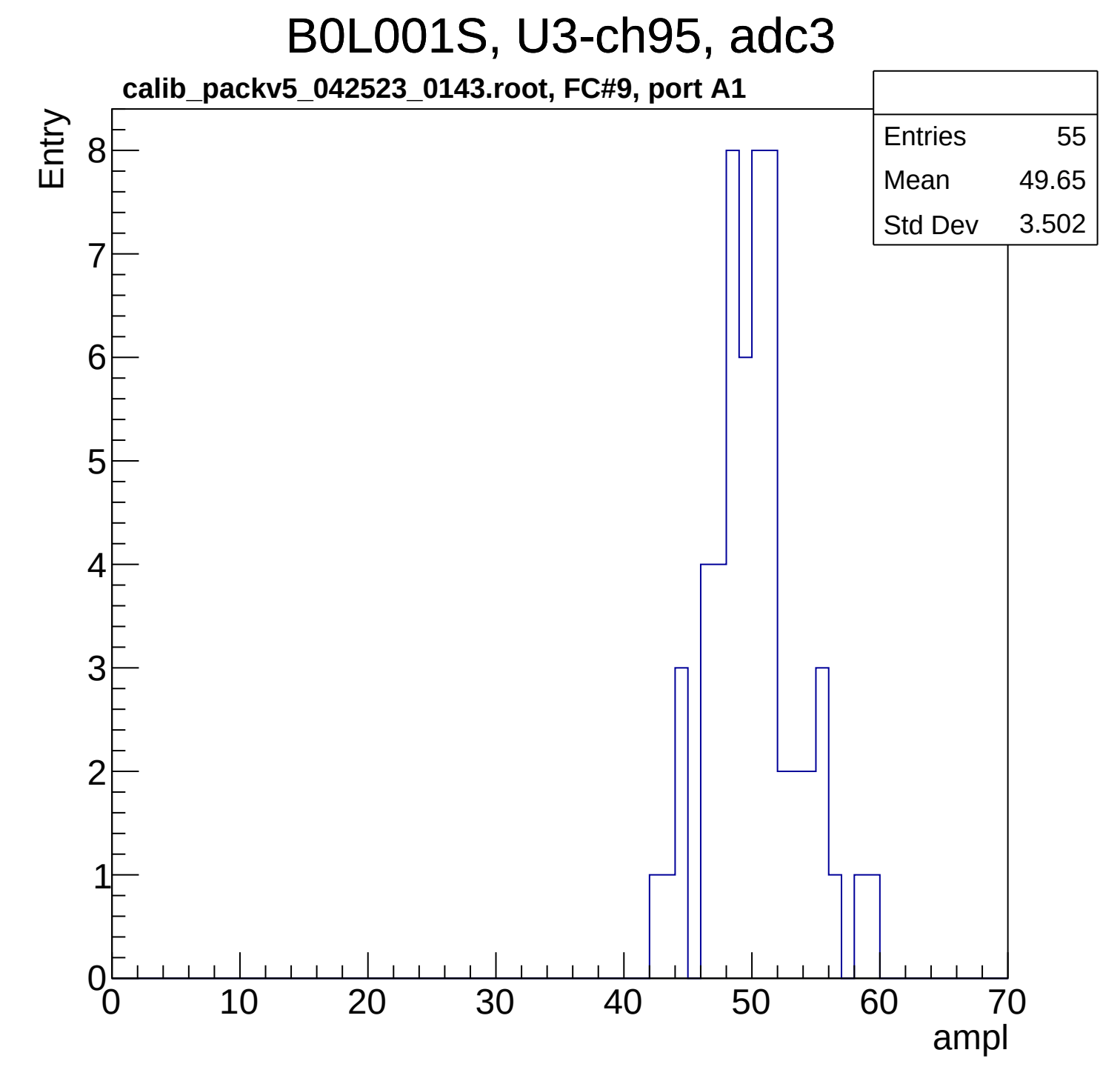

B0L001S, U3-ch94, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 10
Mean 55.6
Std Dev 18.56
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl

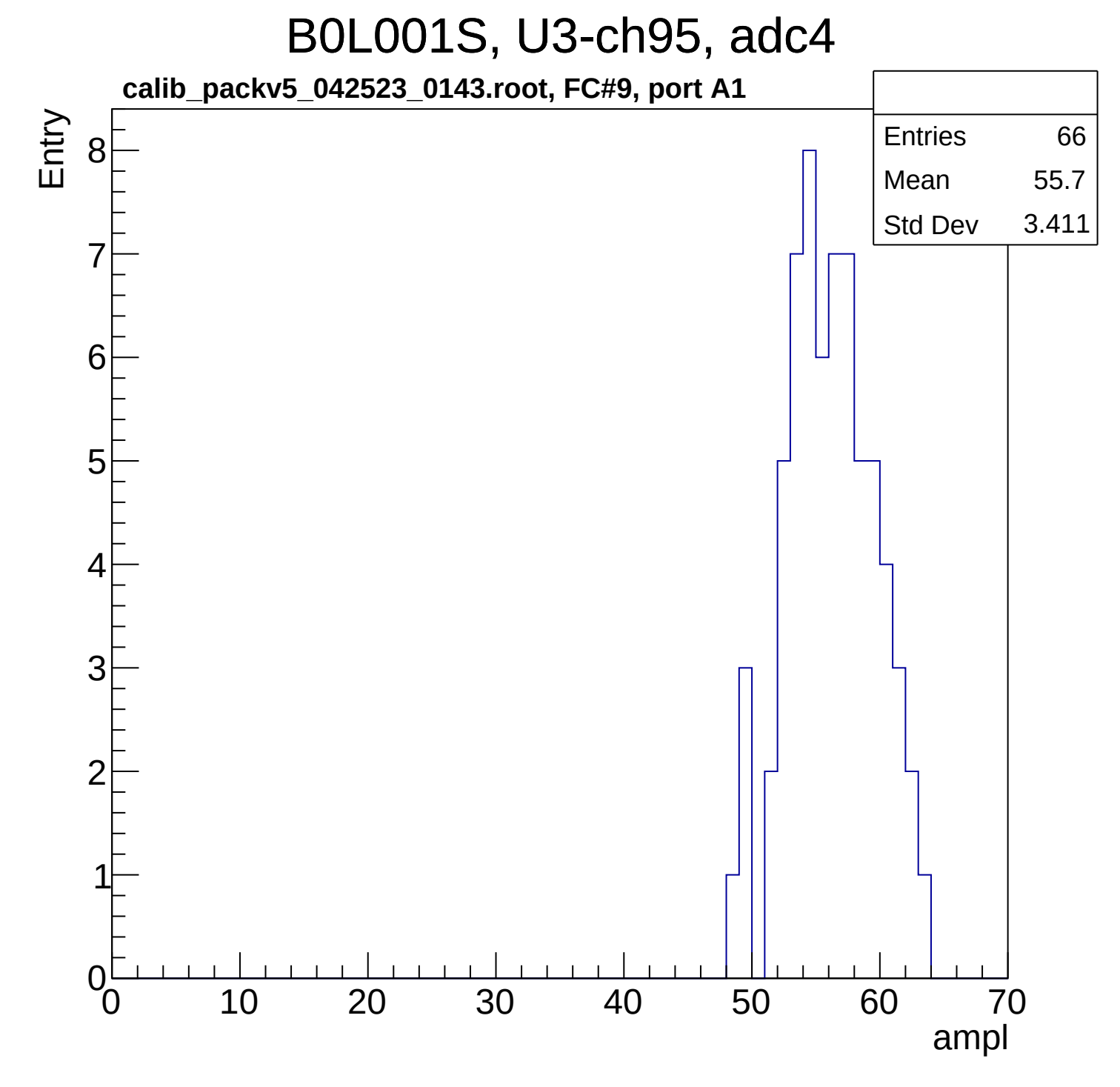

B0L001S, U3-ch94, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 0
Std Dev 0
Entry
3
2.5
2
1.5
1
0.5
0
0
10
20
30
40
50
60
70
ampl

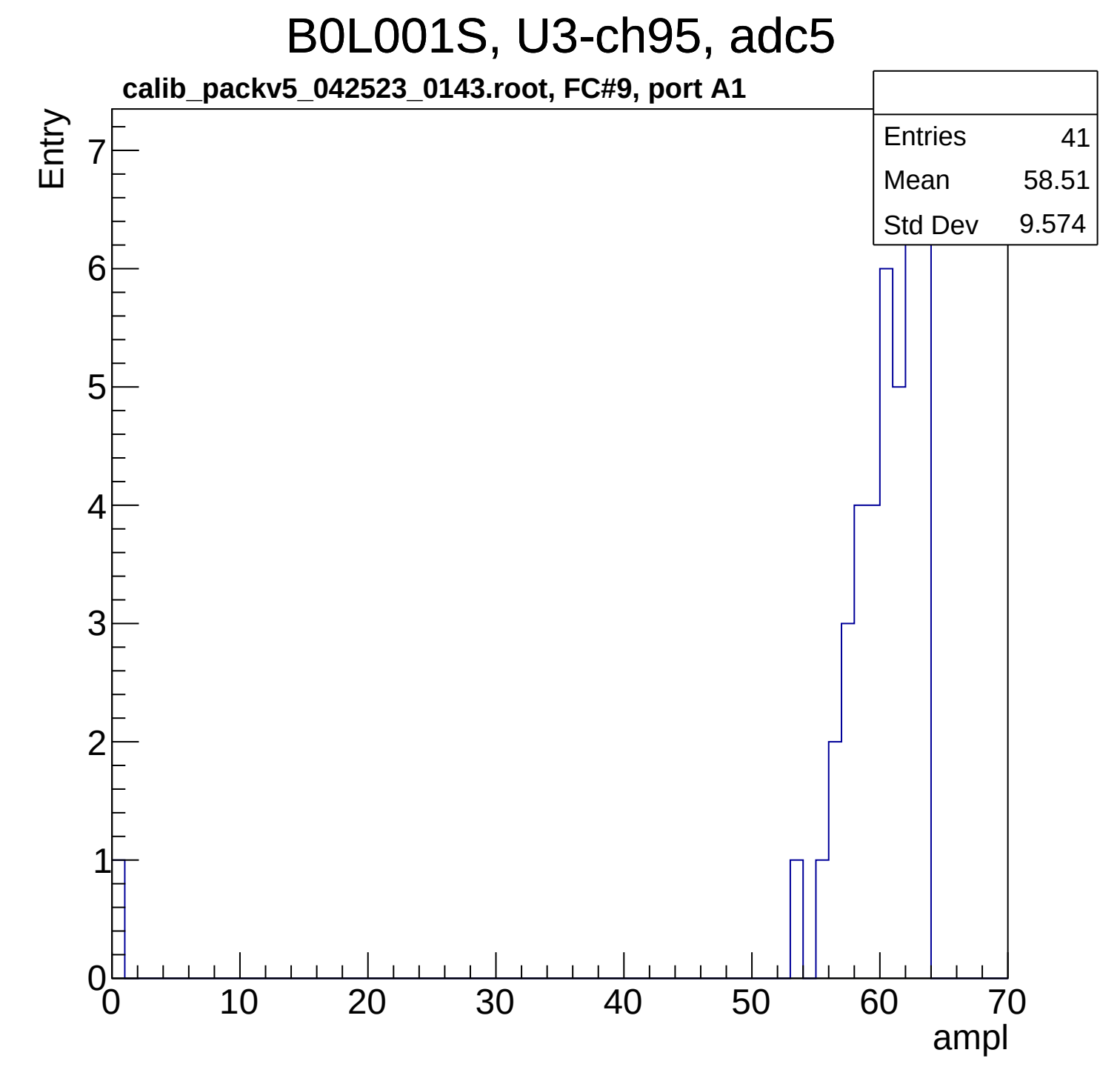

B0L001S, U3-ch95, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 29.48
Std Dev 4.815
Gaus mean : 30.0975
Gaus Width: 3.0560
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

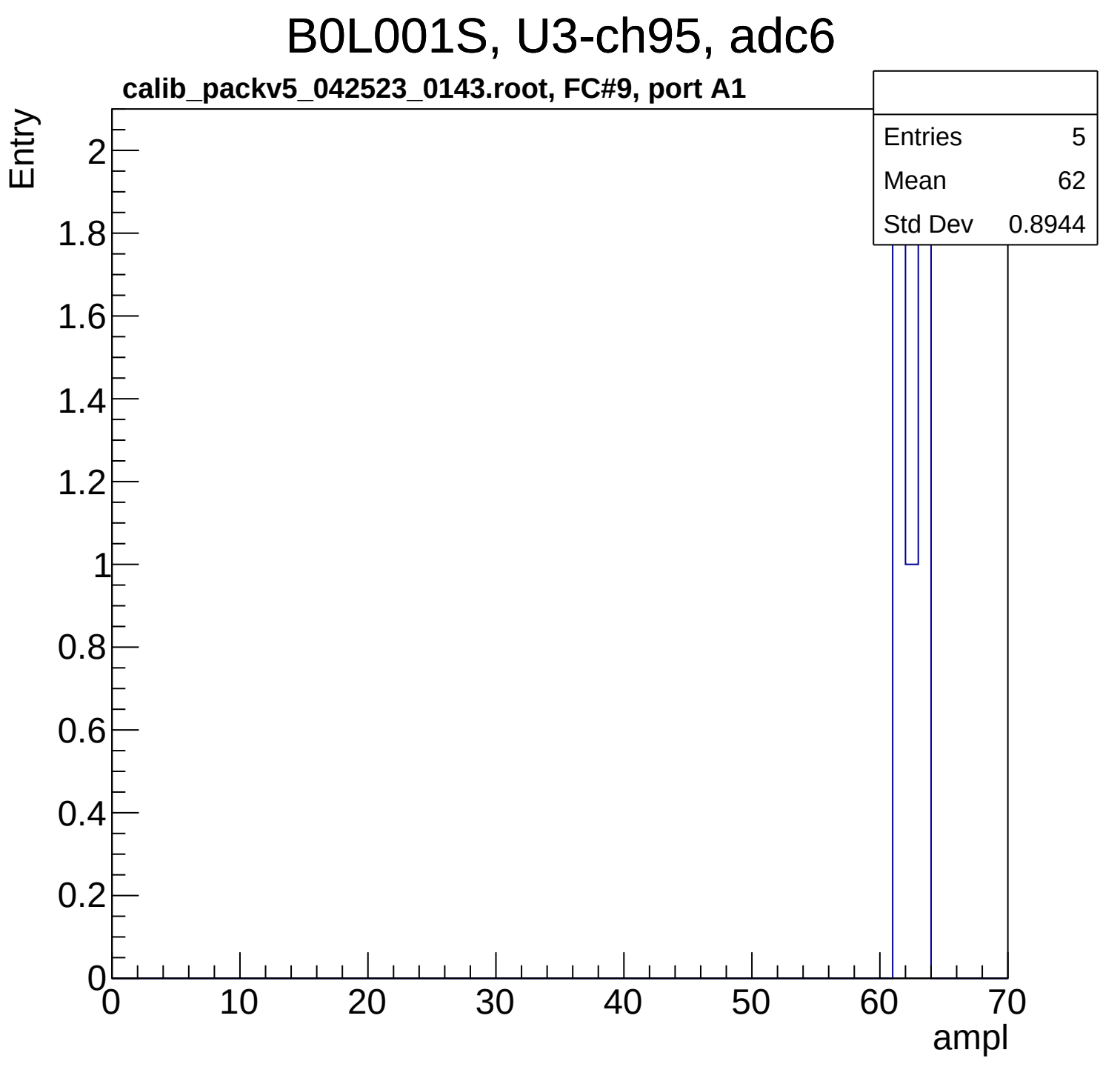

B0L001S, U3-ch95, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 37.03
Std Dev 3.717
Gaus mean : 37.9226
Gaus Width: 3.7261
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

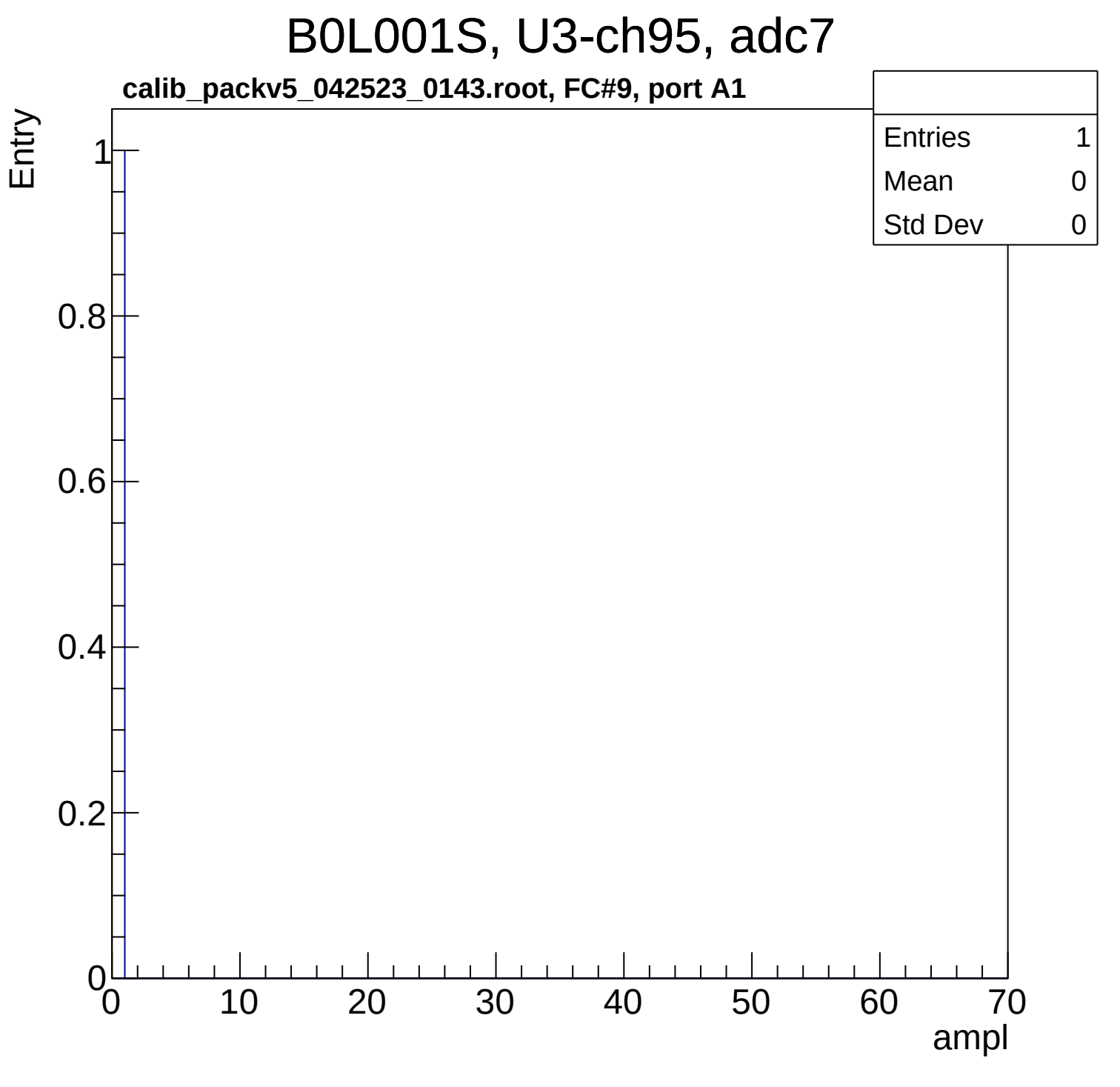

B0L001S, U3-ch95, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 43.11
Std Dev 3.995
Gaus mean : 43.5062
Gaus Width: 3.2273
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

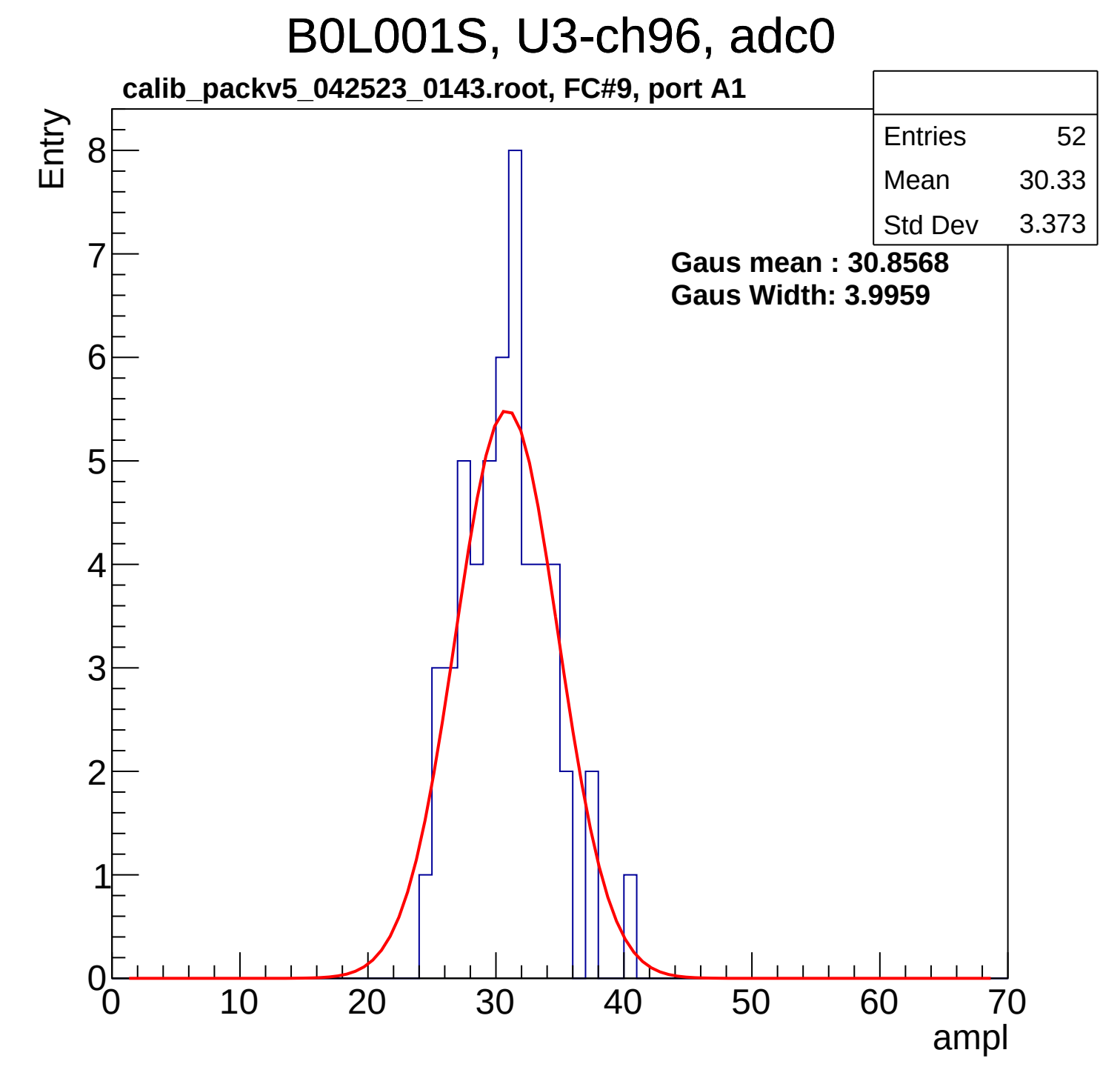

B0L001S, U3-ch95, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 49.65
Std Dev 3.502
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

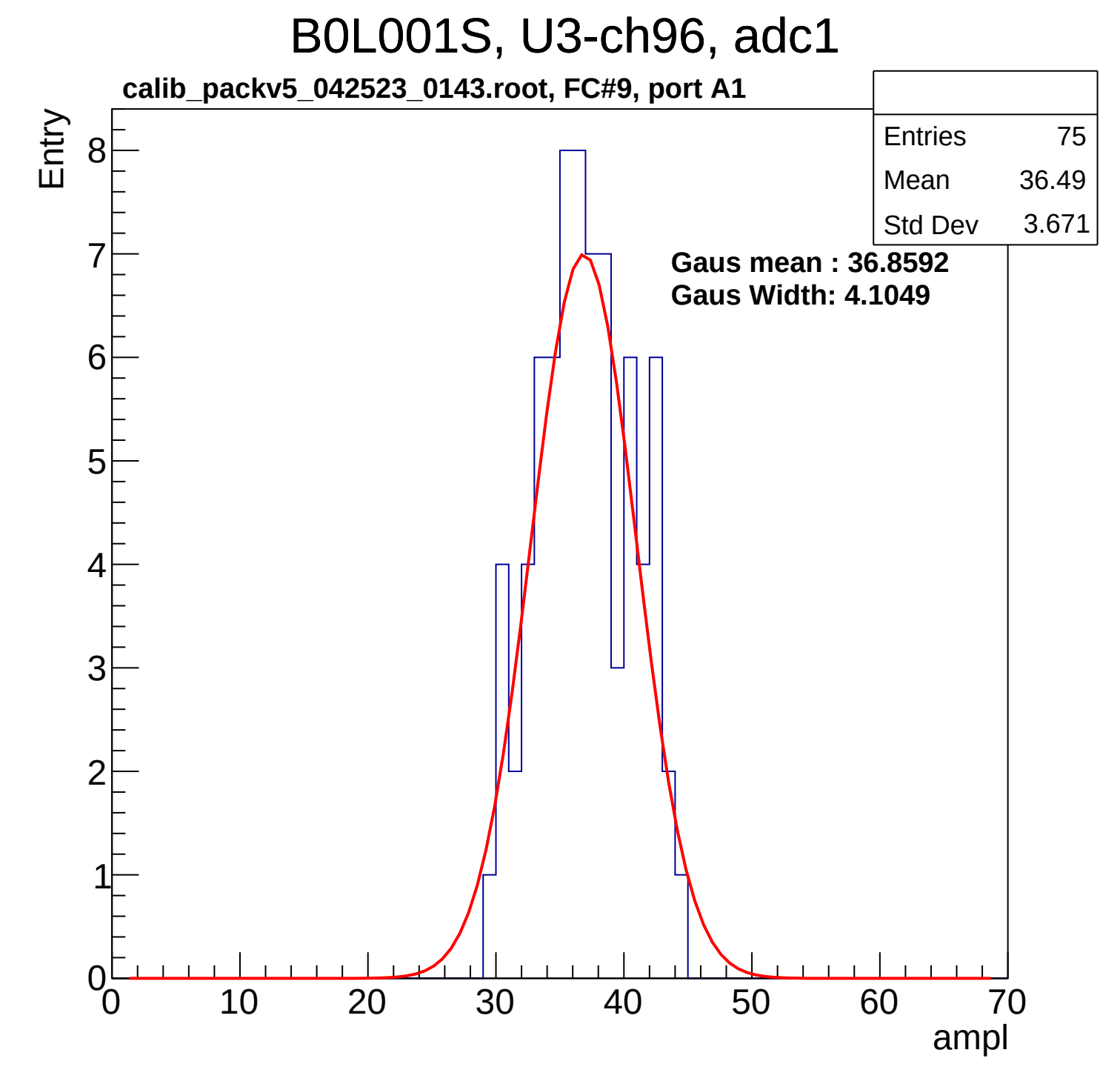

B0L001S, U3-ch95, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 55.7
Std Dev 3.411
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch95, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 58.51
Std Dev 9.574
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch95, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 62
Std Dev 0.8944
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


B0L001S, U3-ch95, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch96, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 30.33
Std Dev 3.373
Gaus mean : 30.8568
Gaus Width: 3.9959
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch96, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 36.49
Std Dev 3.671
Gaus mean : 36.8592
Gaus Width: 4.1049
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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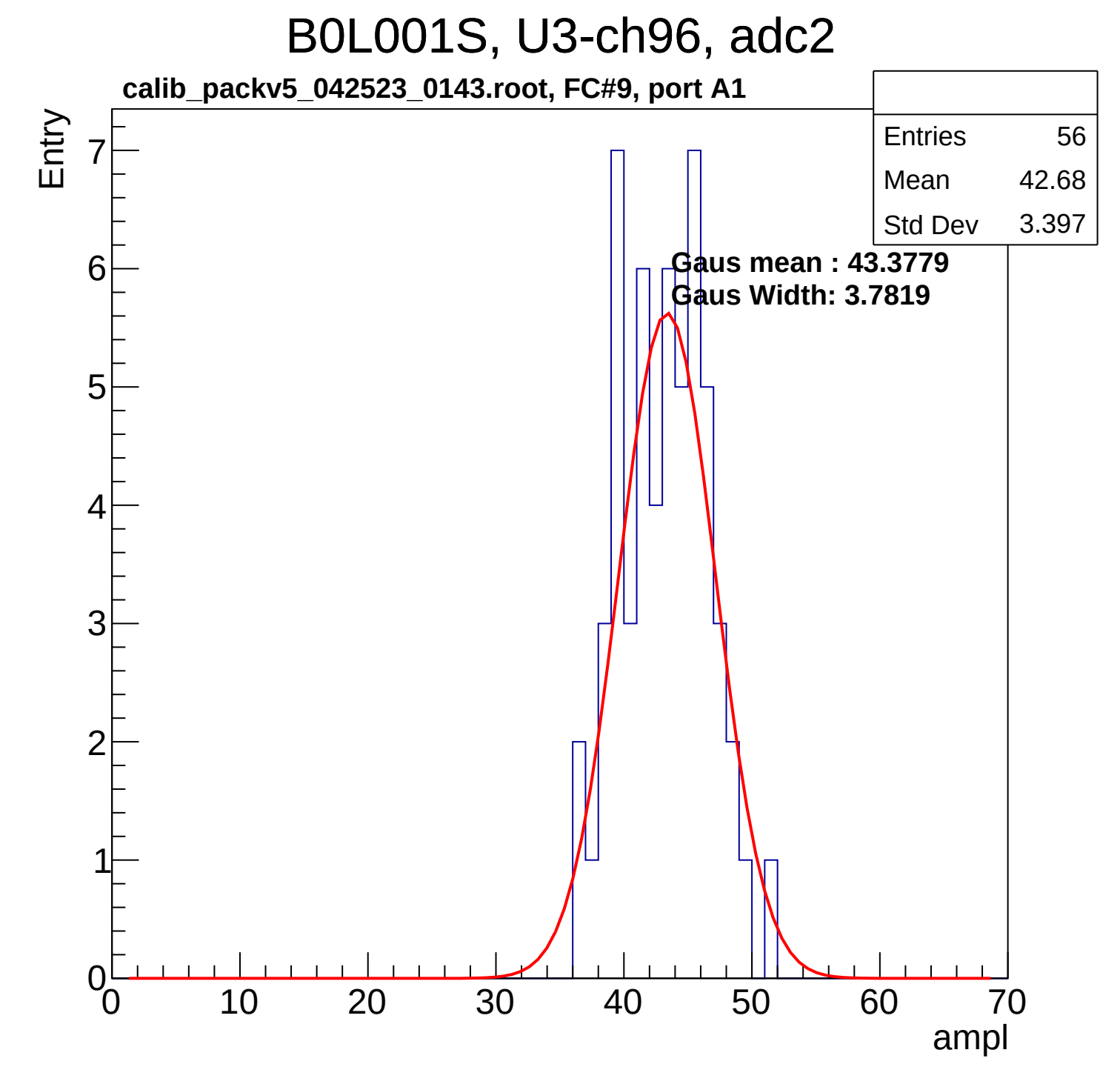
B0L001S, U3-ch96, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 42.68
Std Dev 3.397
Gaus mean : 43.3779
Gaus Width: 3.7819
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
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60
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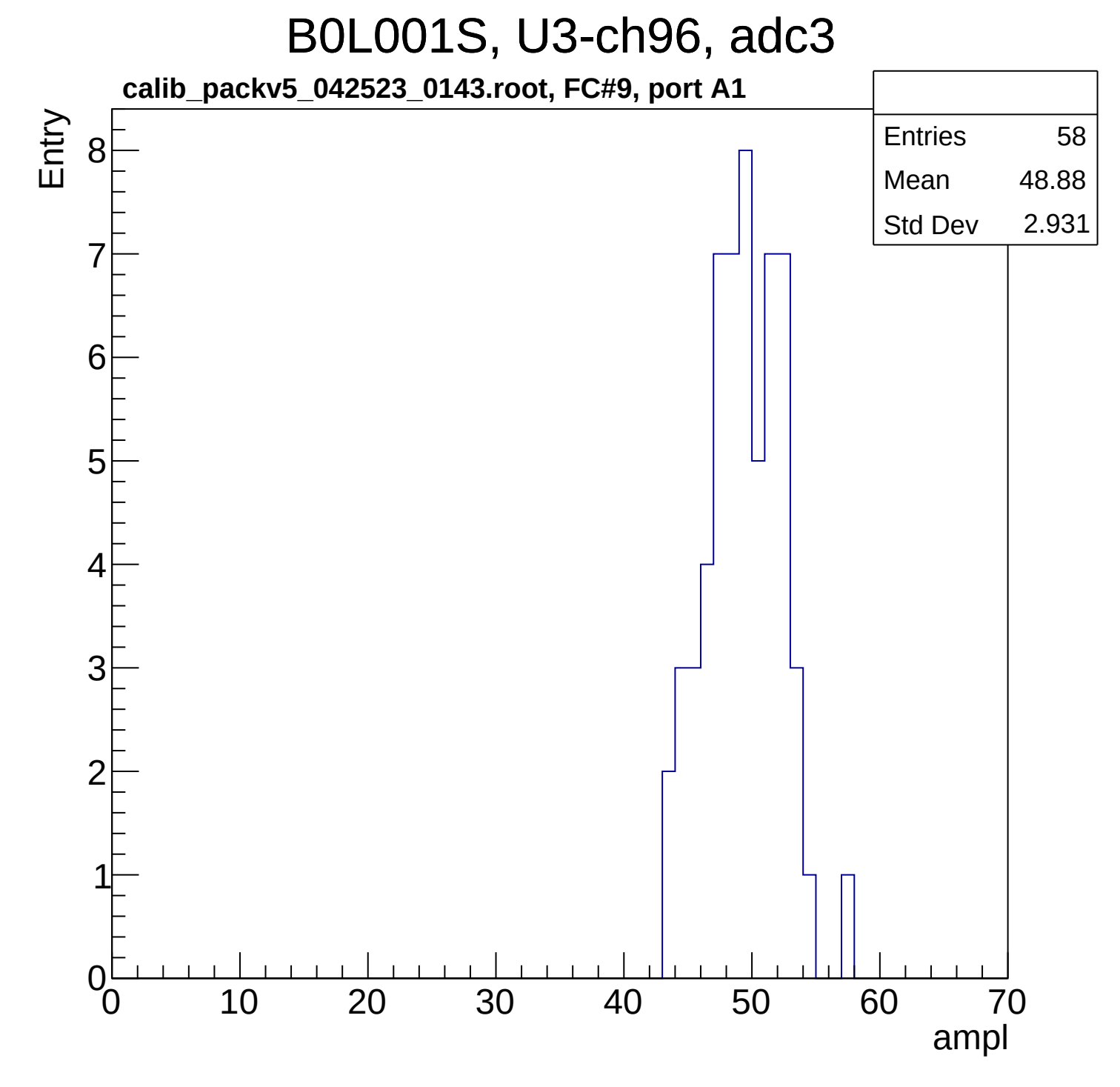
B0L001S, U3-ch96, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 48.88
Std Dev 2.931
Entry
ampl
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2
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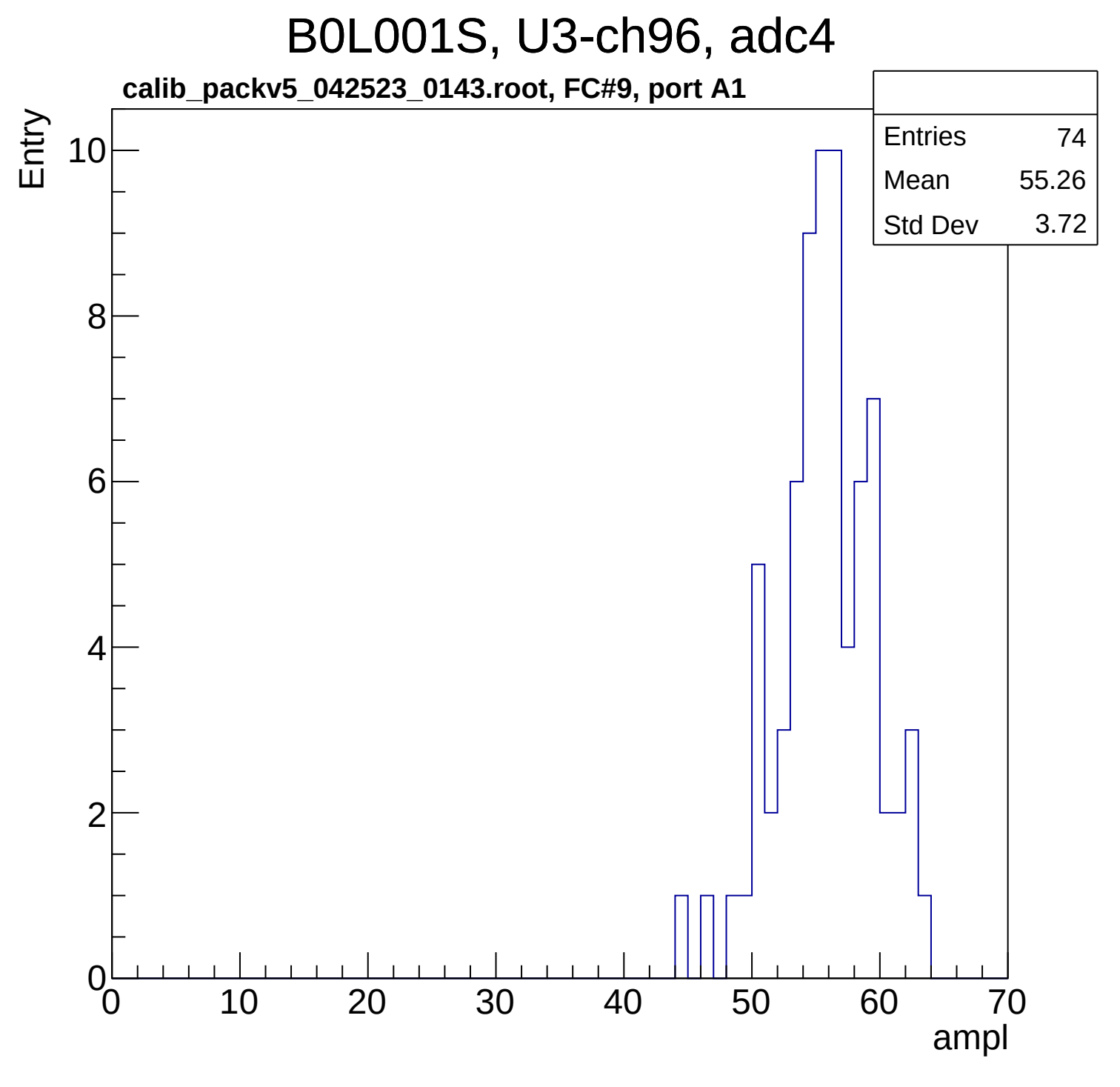
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch96, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 55.26
Std Dev 3.72
Entry
ampl
0
2
4
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8
10
0
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20
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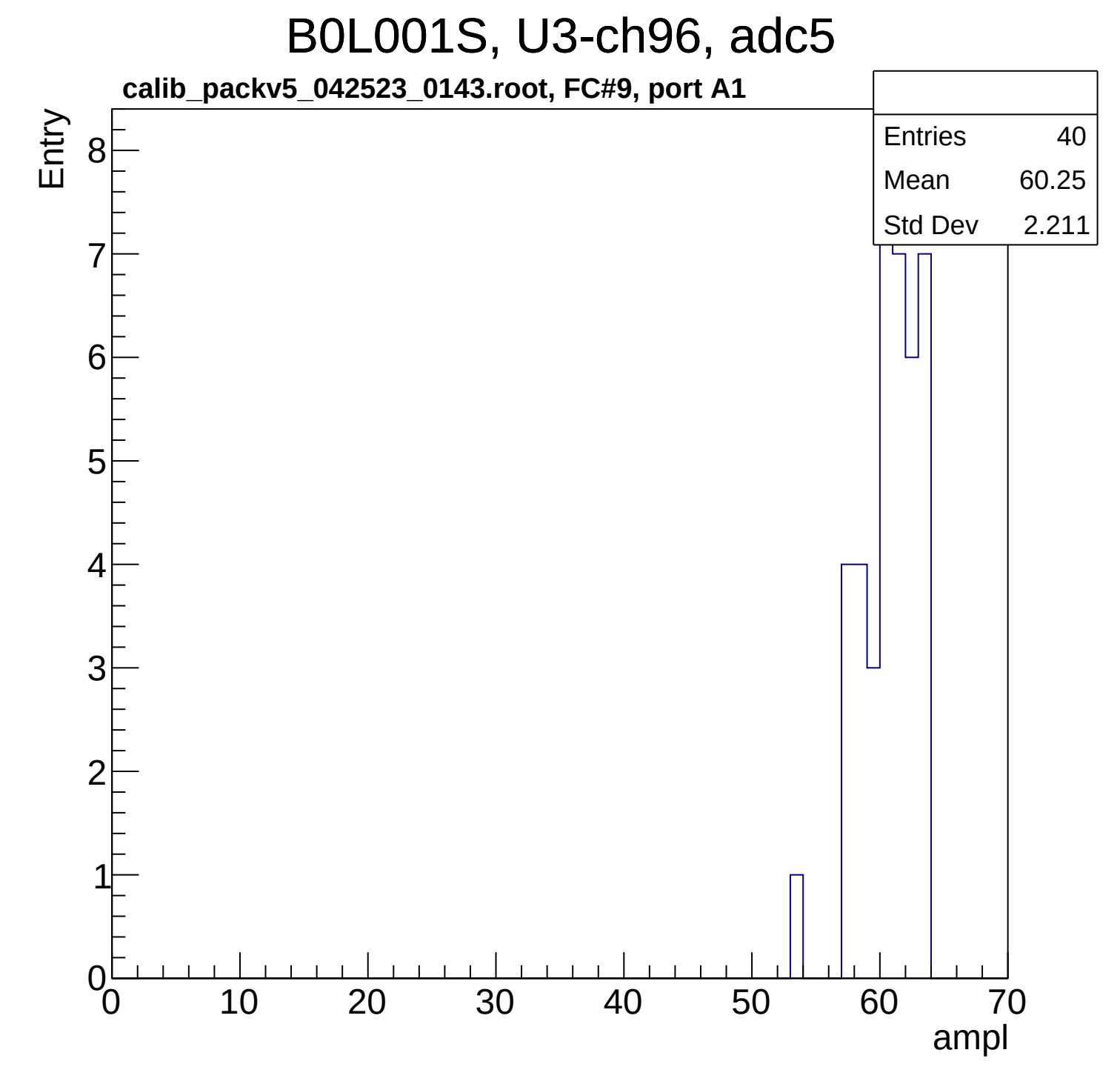
40
50
60
70


B0L001S, U3-ch96, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 60.25
Std Dev 2.211
Entry
ampl
0
1
2
3
4
5
6
7
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0
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40
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60
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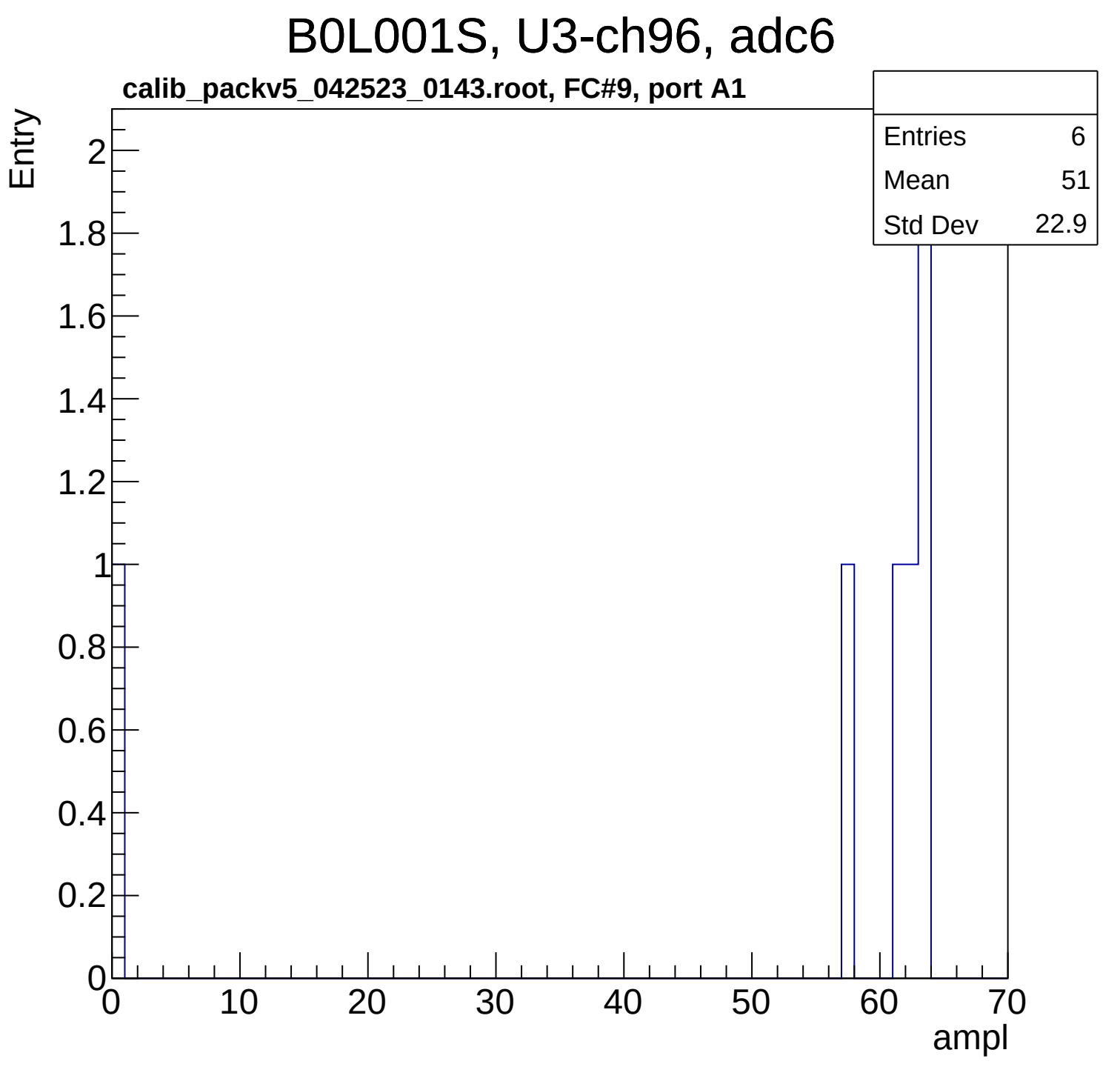
B0L001S, U3-ch96, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 6
Mean 51
Std Dev 22.9
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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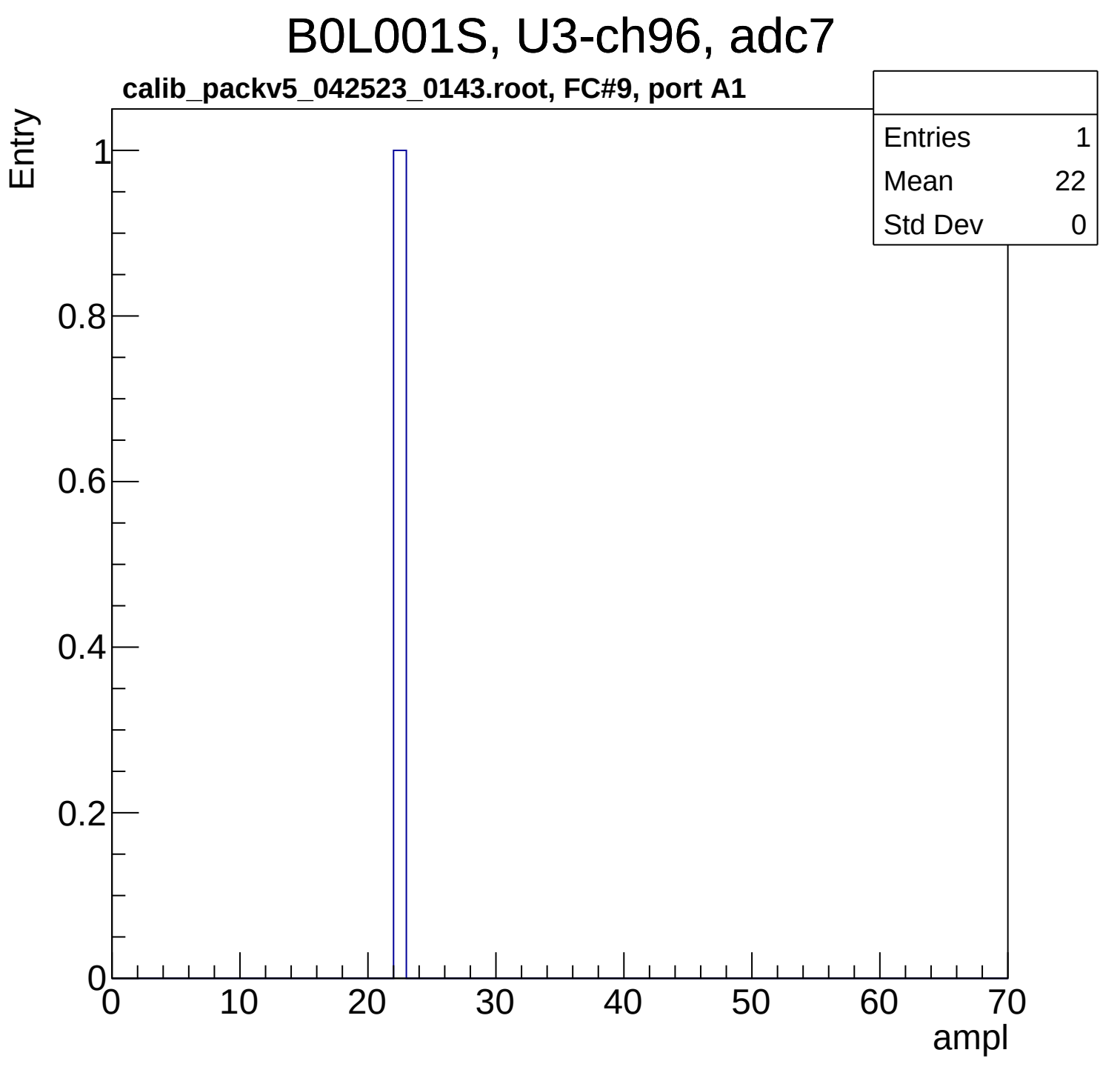
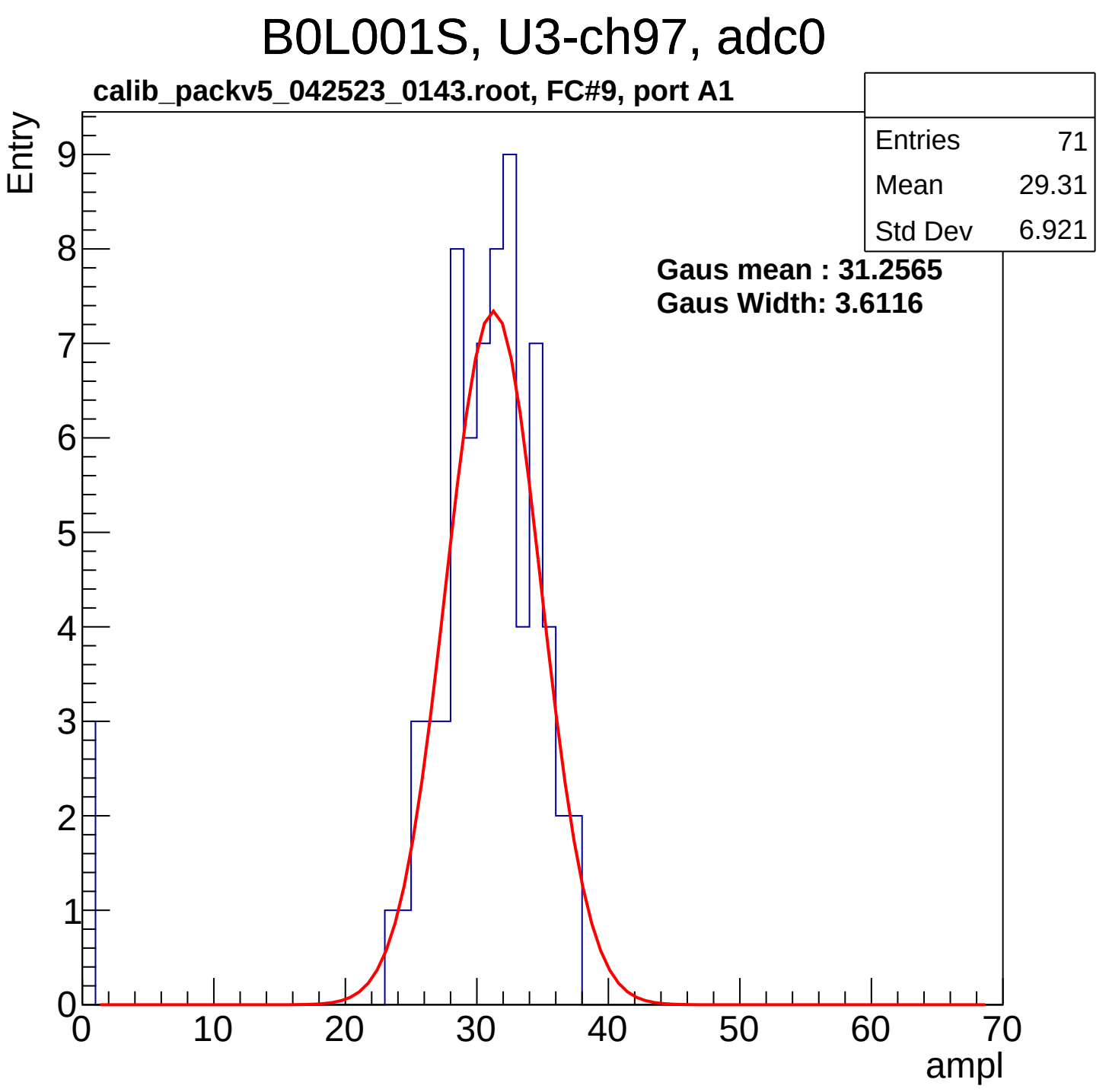

B0L001S, U3-ch96, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 22
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch97, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 29.31
Std Dev 6.921
Gaus mean : 31.2565
Gaus Width: 3.6116
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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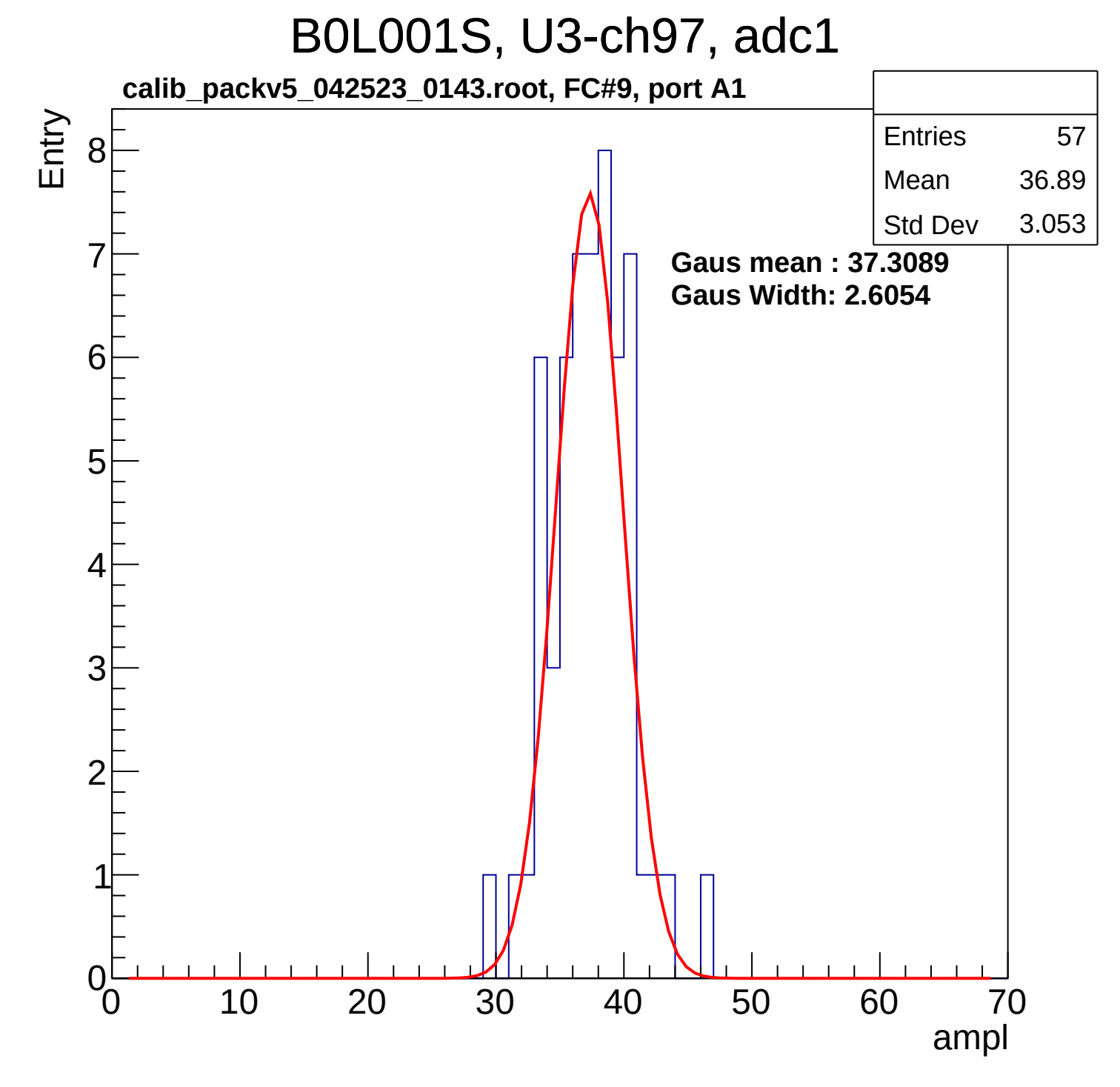
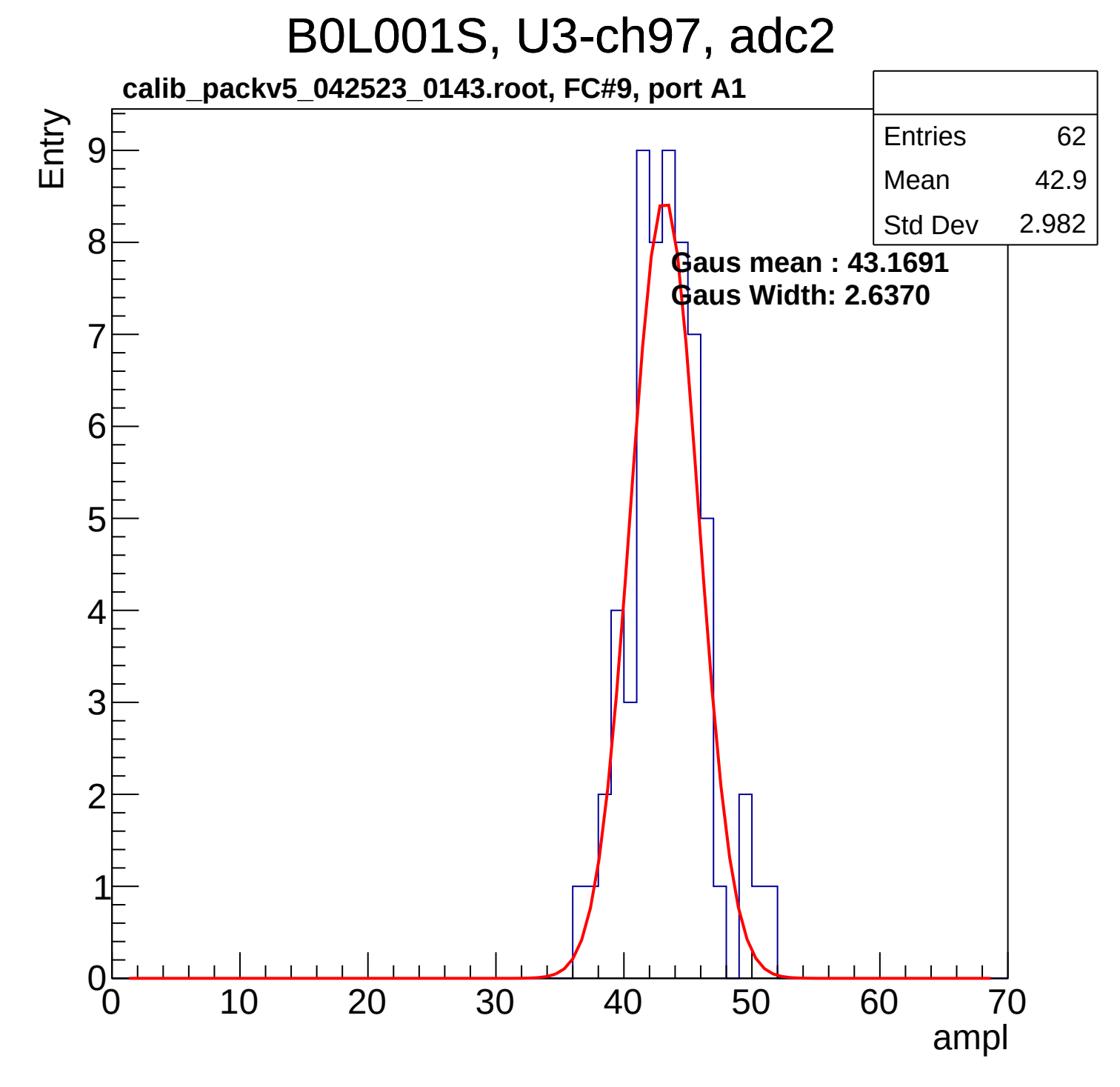

B0L001S, U3-ch97, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 36.89
Std Dev 3.053
Gaus mean : 37.3089
Gaus Width: 2.6054
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch97, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 42.9
Std Dev 2.982
Gaus mean : 43.1691
Gaus Width: 2.6370
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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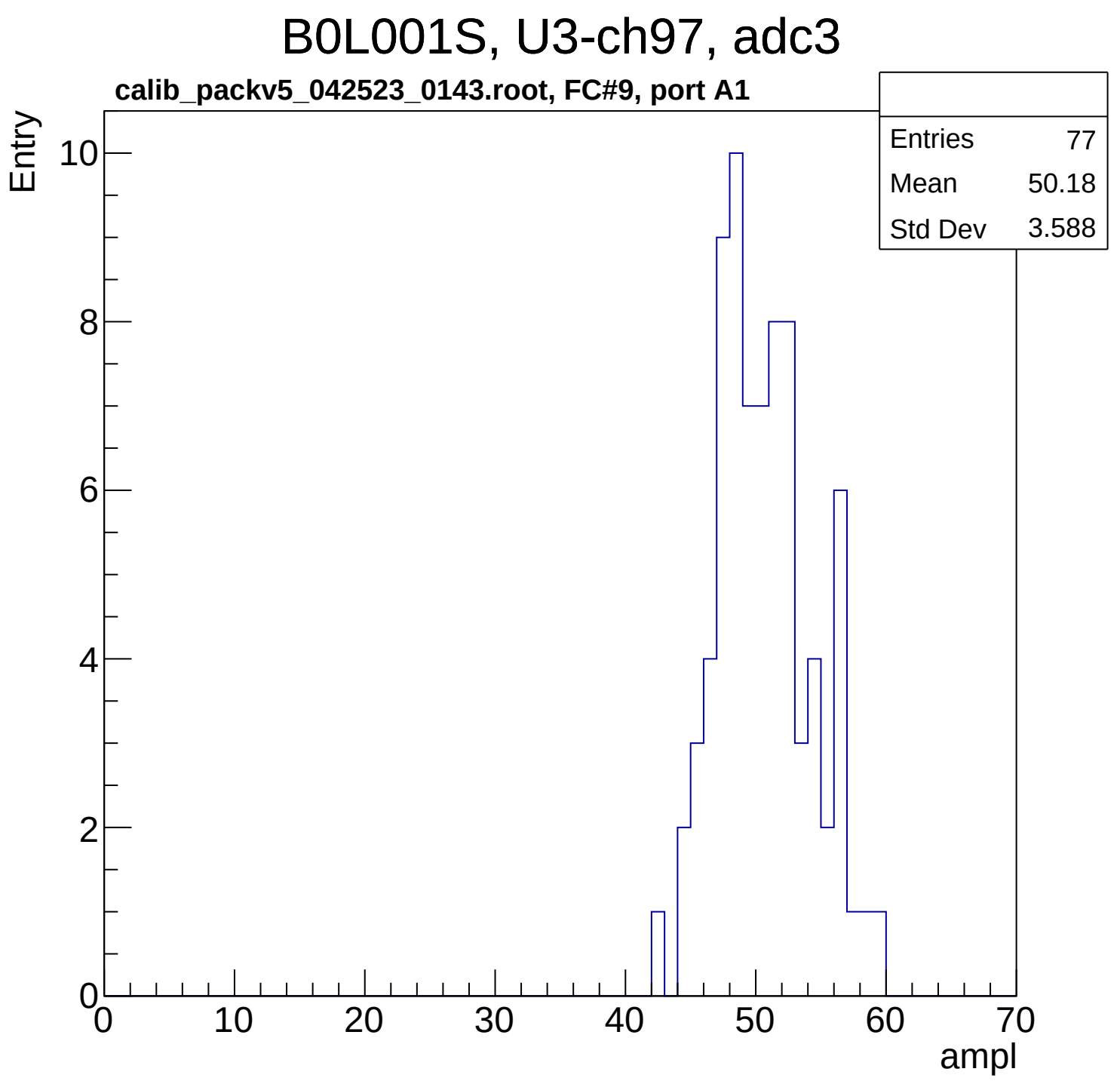
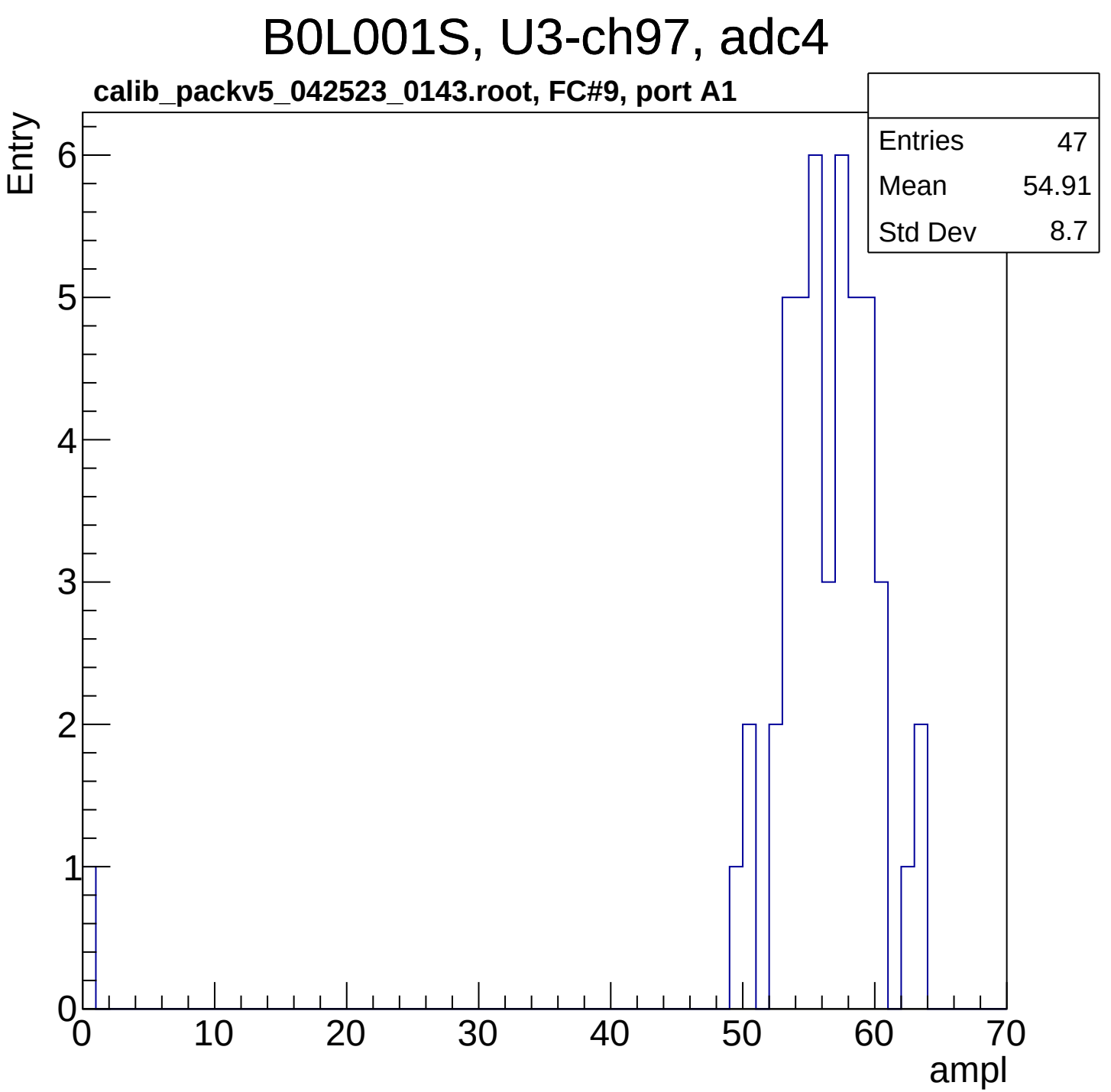
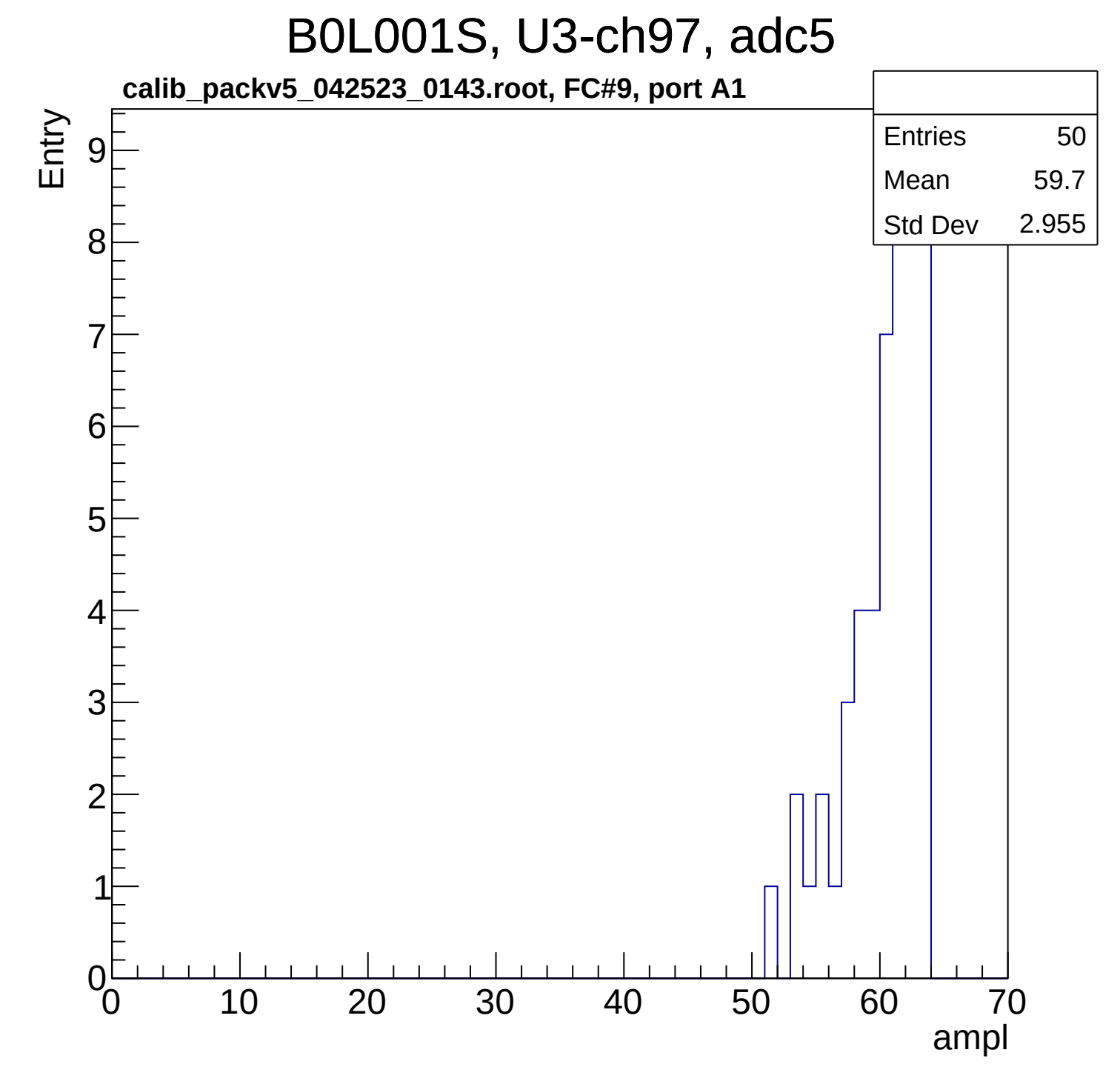
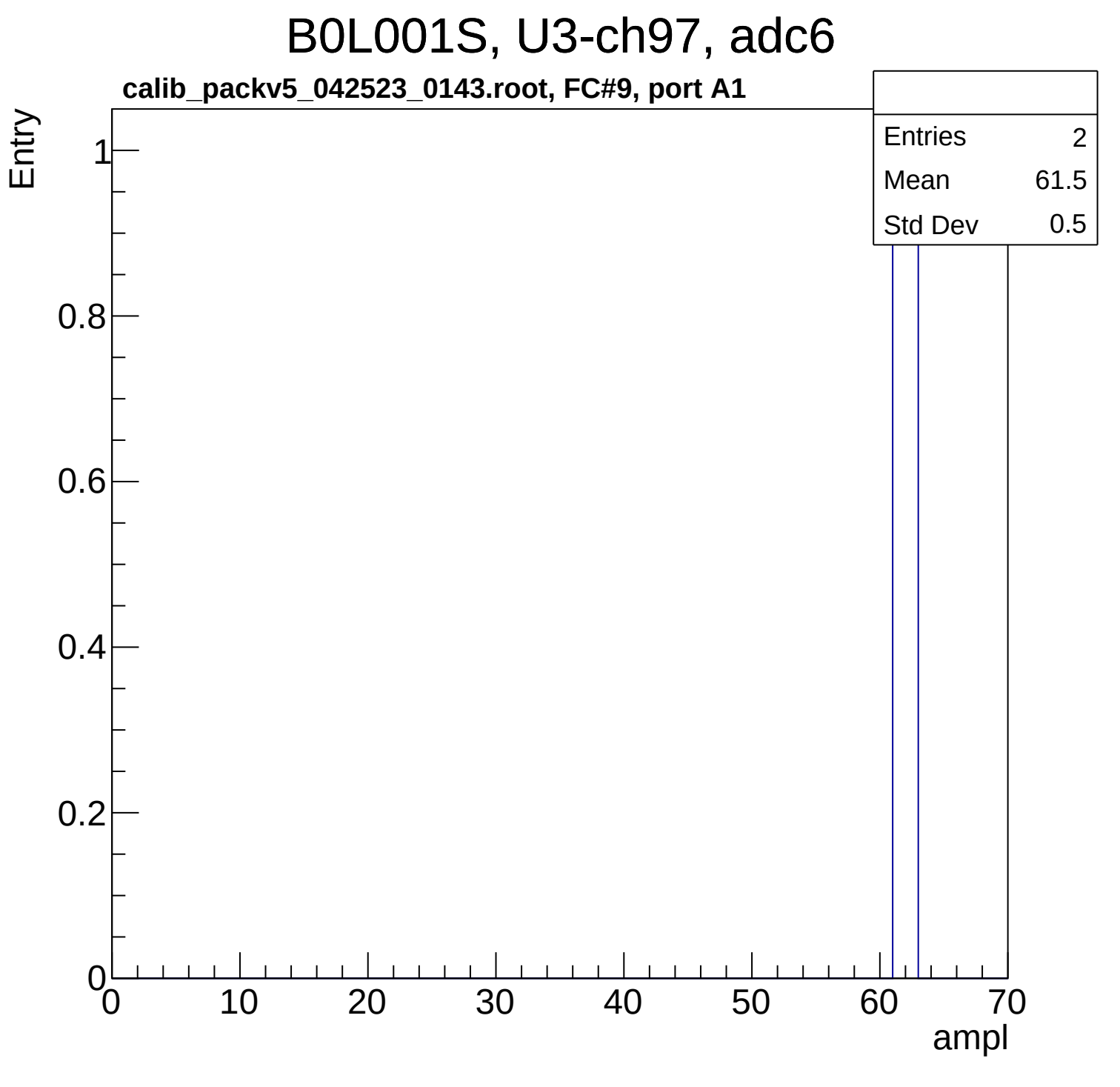
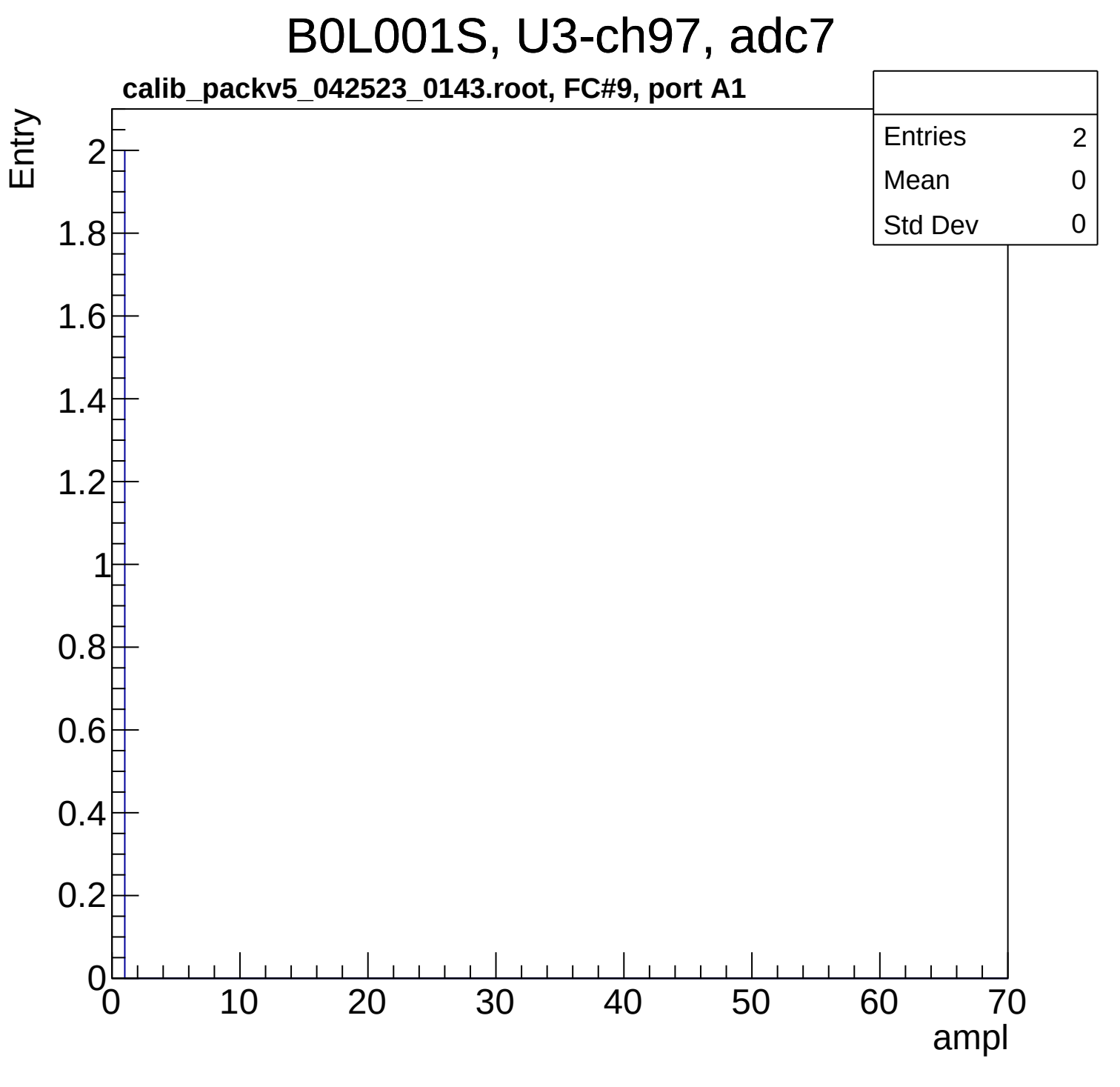
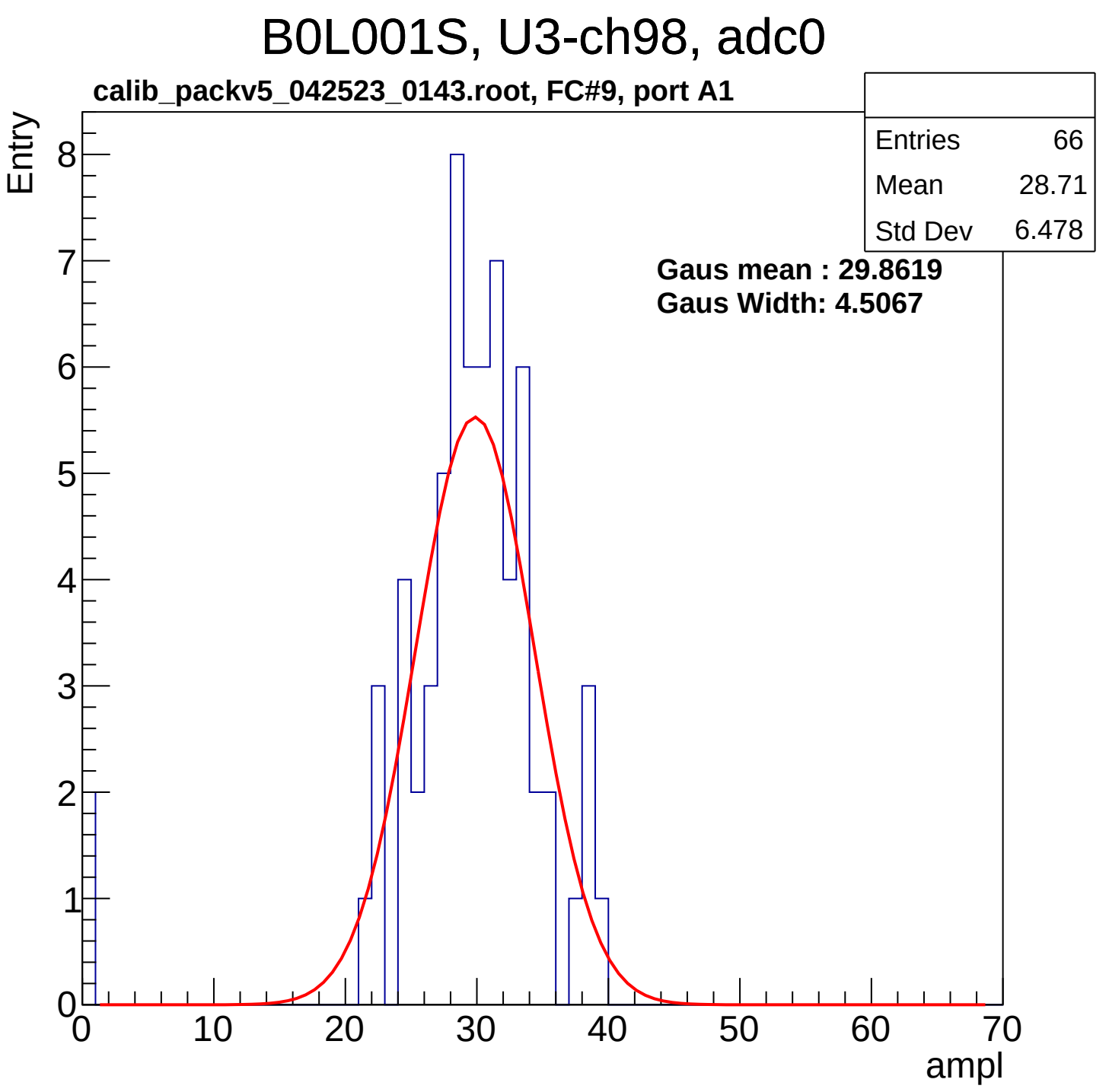

B0L001S, U3-ch97, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 50.18
Std Dev 3.588
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

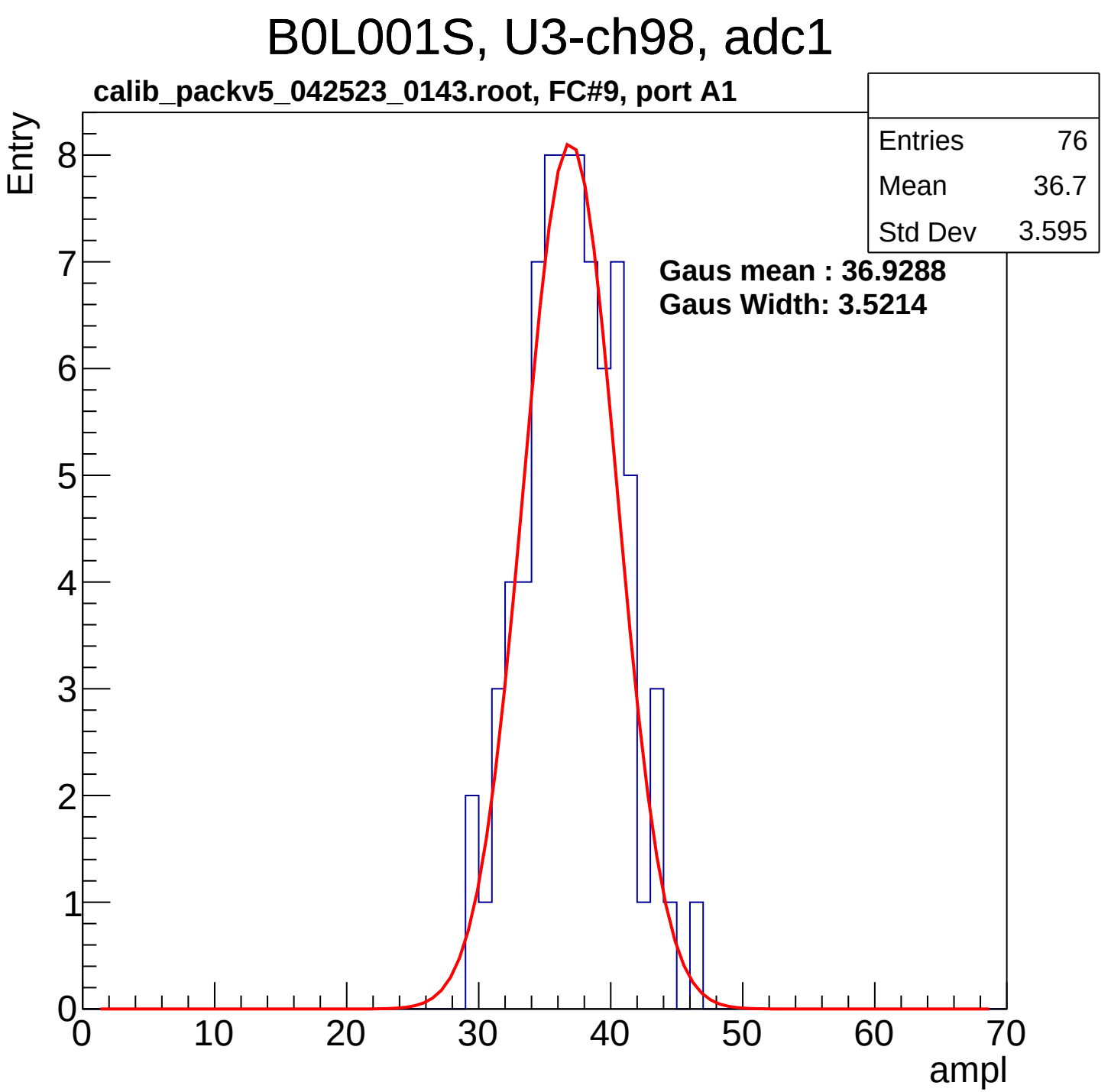

B0L001S, U3-ch97, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 54.91
Std Dev 8.7
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

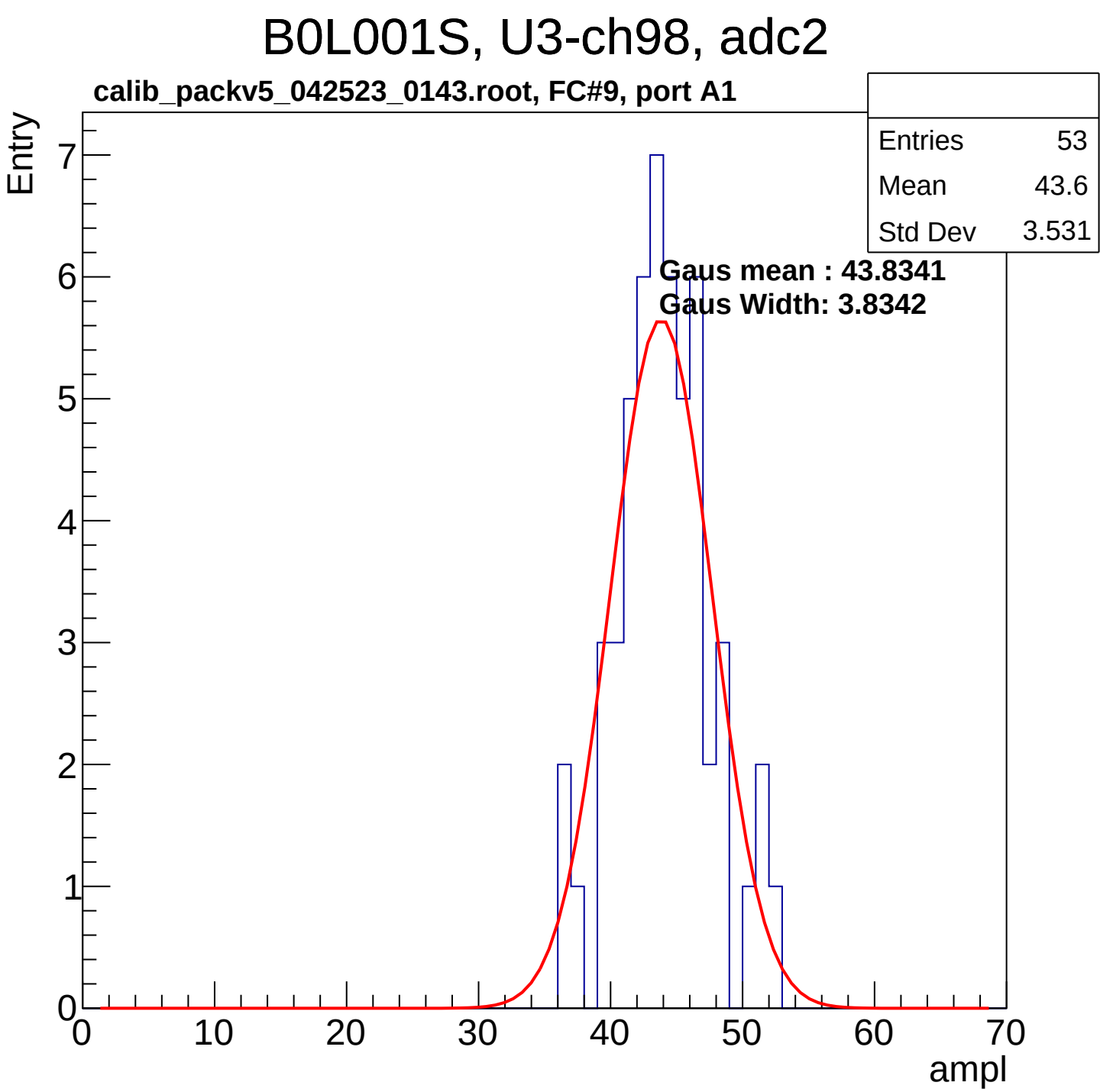

B0L001S, U3-ch97, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 59.7
Std Dev 2.955
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch97, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch97, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch98, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 28.71
Std Dev 6.478
Gaus mean : 29.8619
Gaus Width: 4.5067
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch98, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 36.7
Std Dev 3.595
Gaus mean : 36.9288
Gaus Width: 3.5214
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch98, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 43.6
Std Dev 3.531
Gaus mean : 43.8341
Gaus Width: 3.8342
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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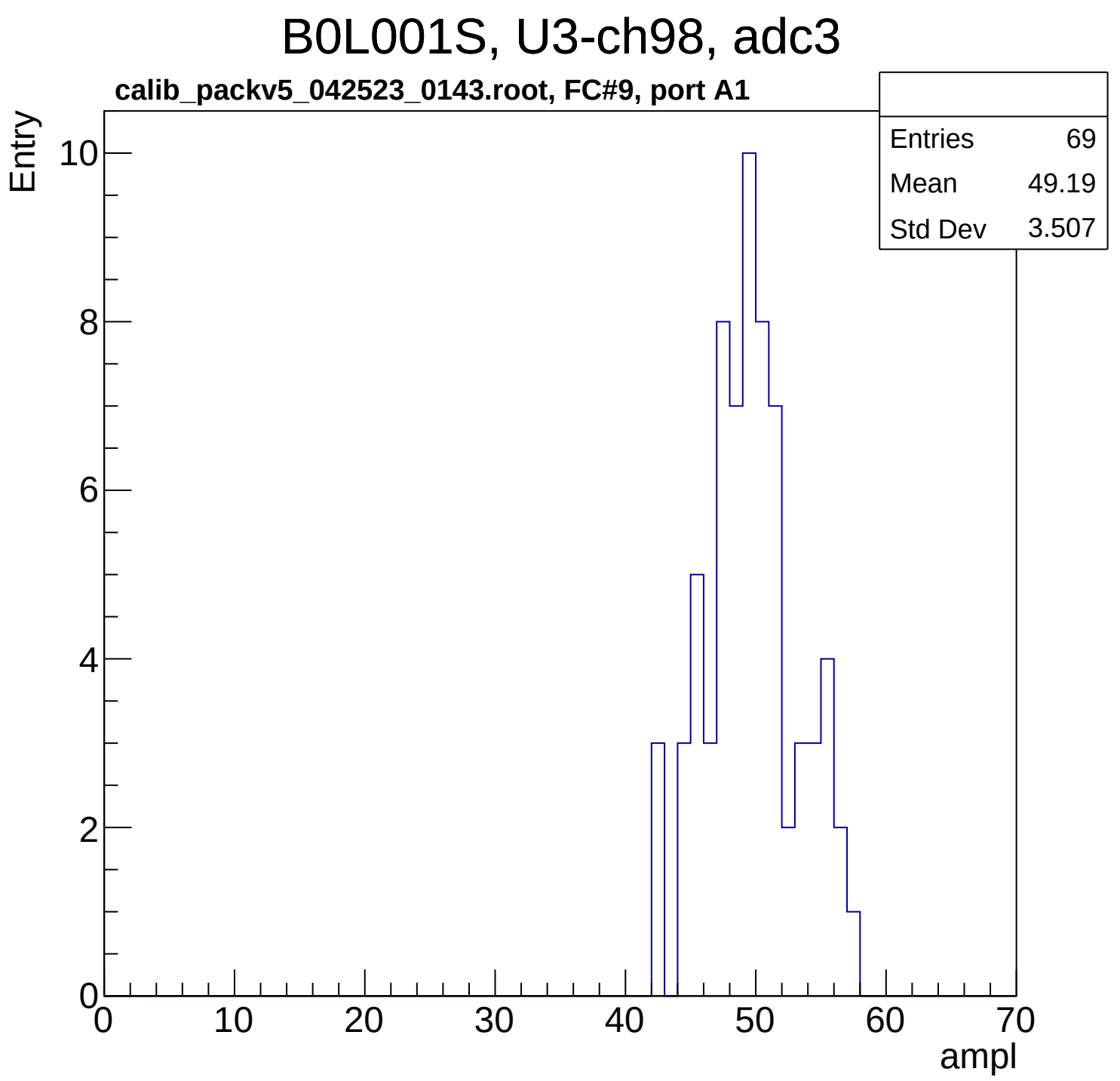
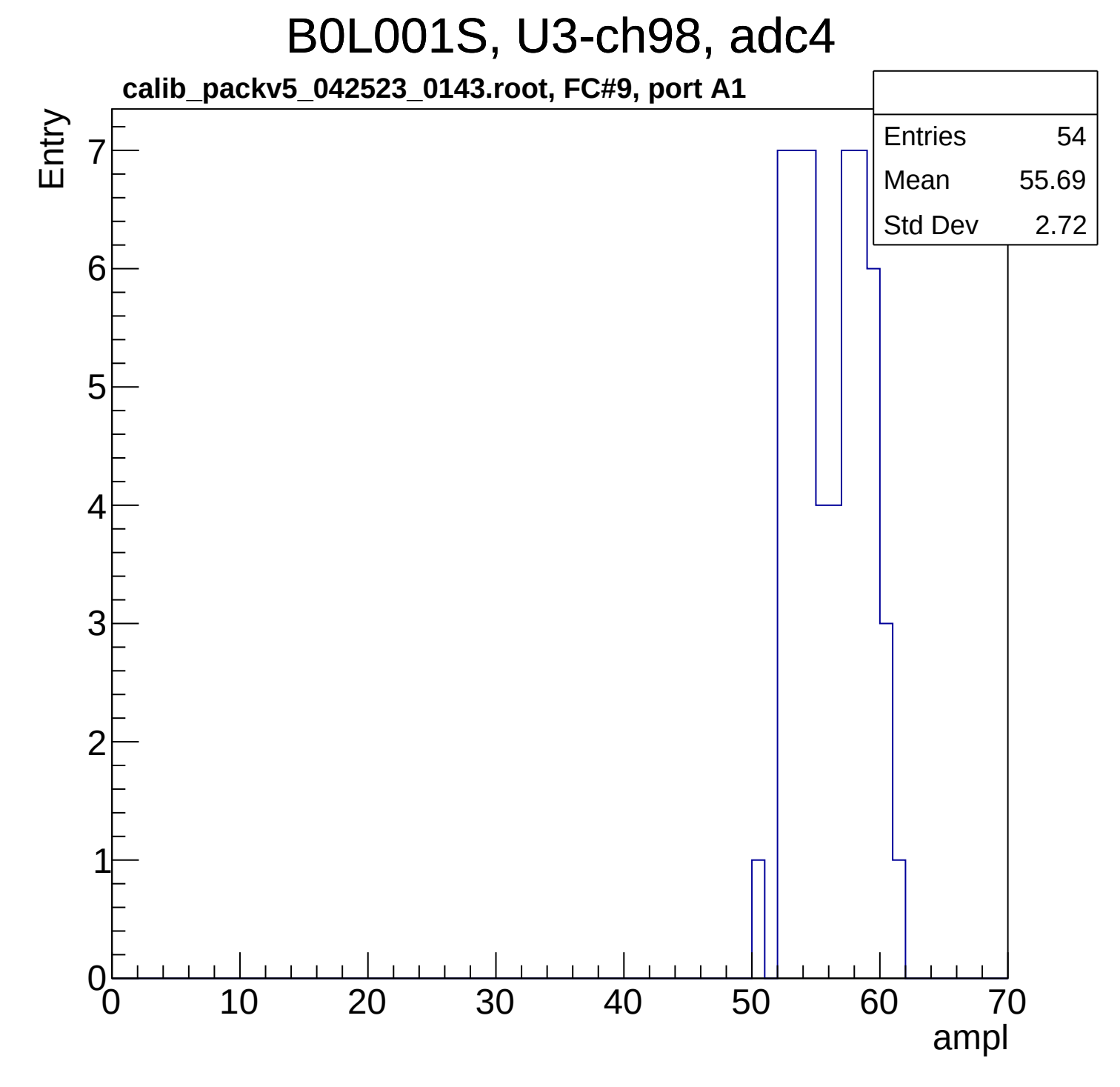
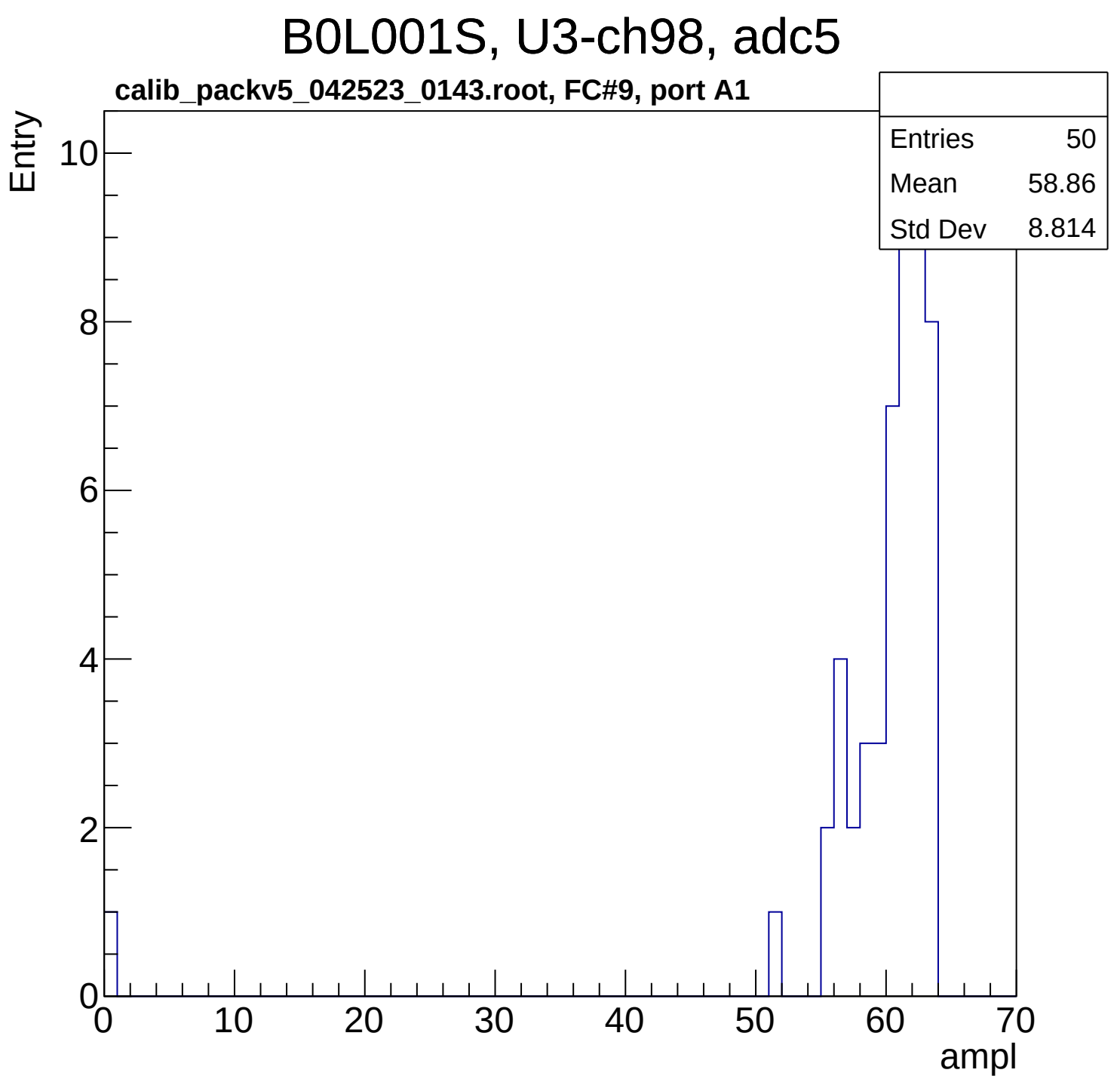
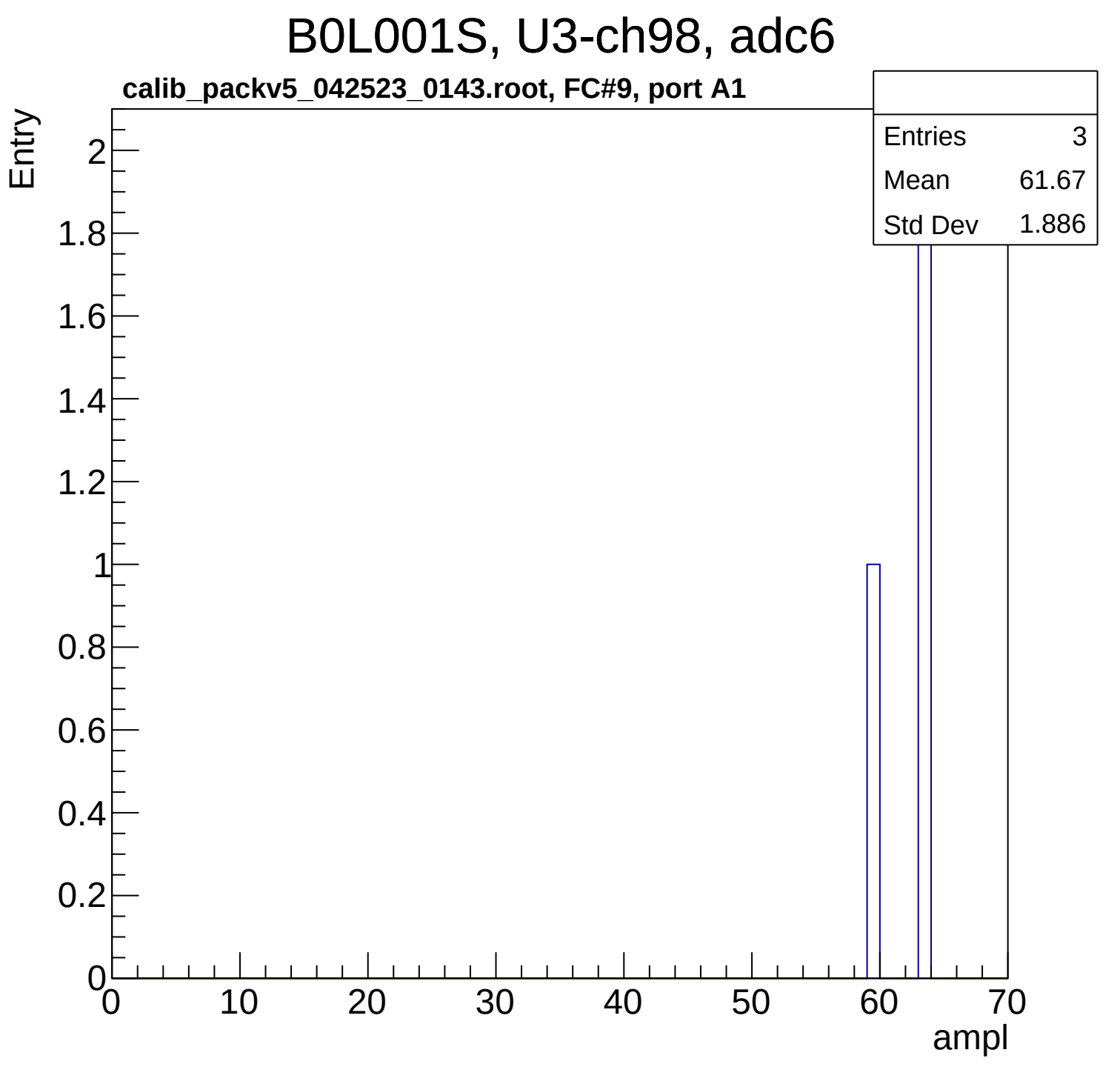
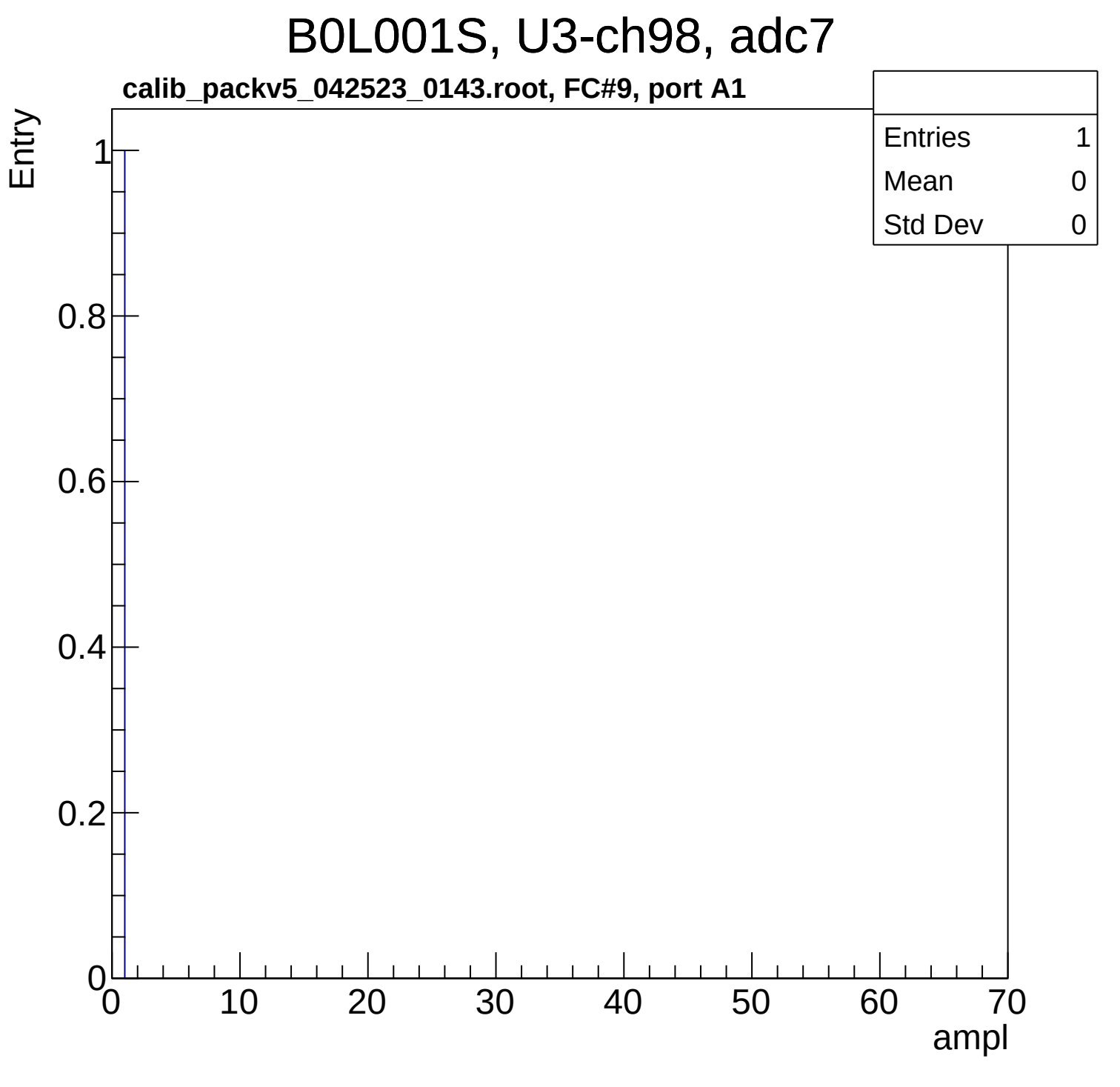
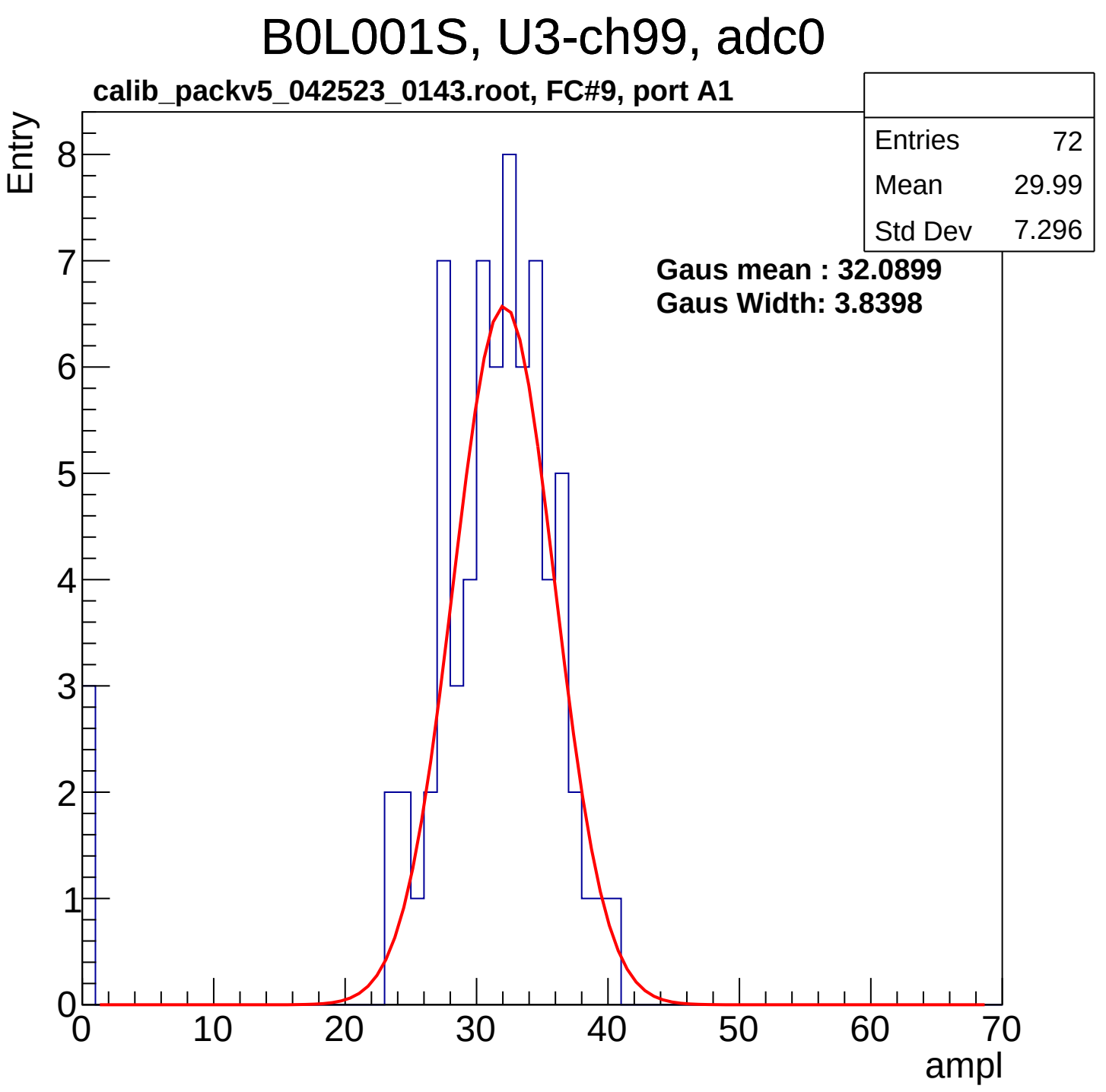

B0L001S, U3-ch98, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 49.19
Std Dev 3.507
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

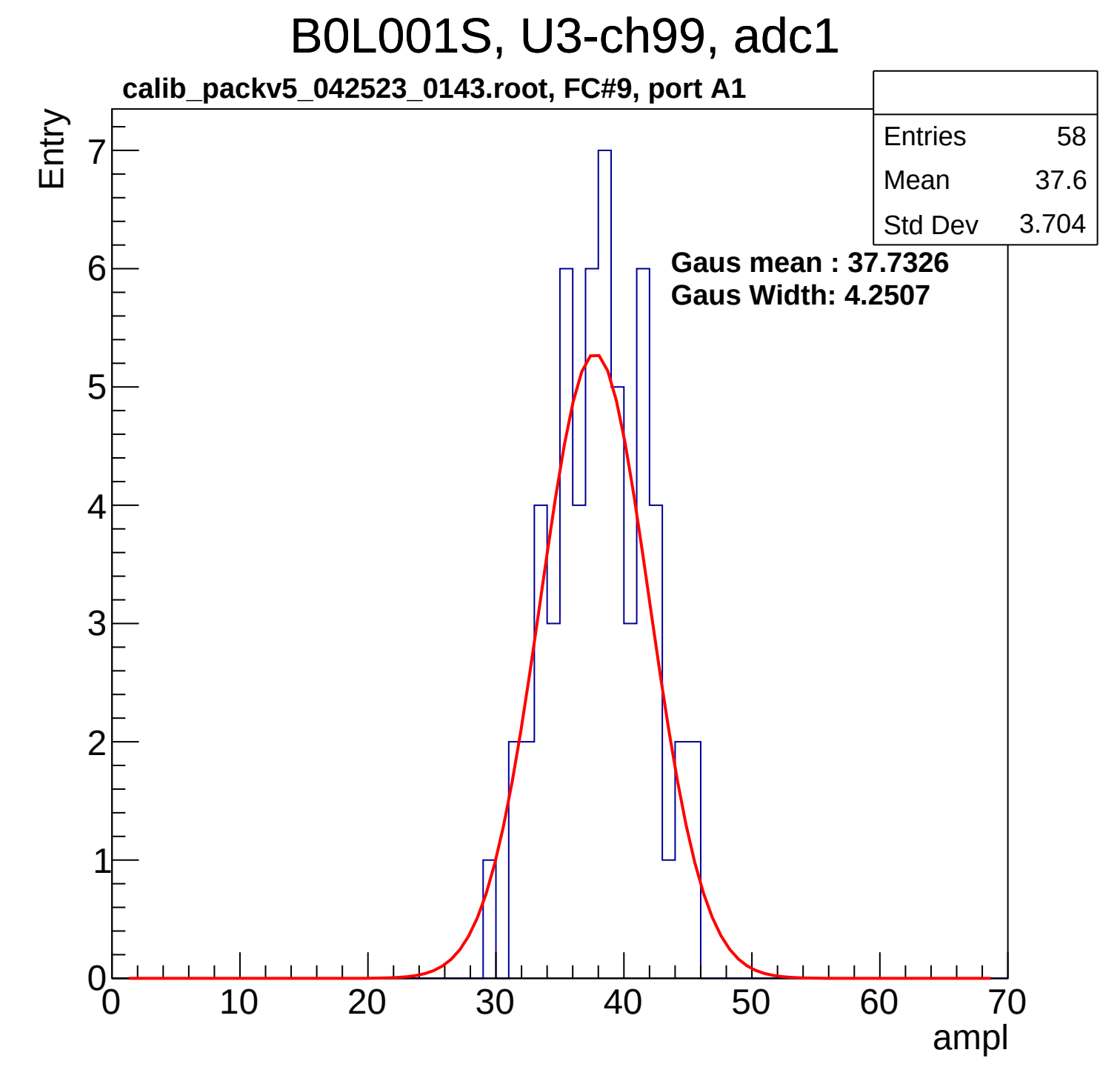

B0L001S, U3-ch98, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 55.69
Std Dev 2.72
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

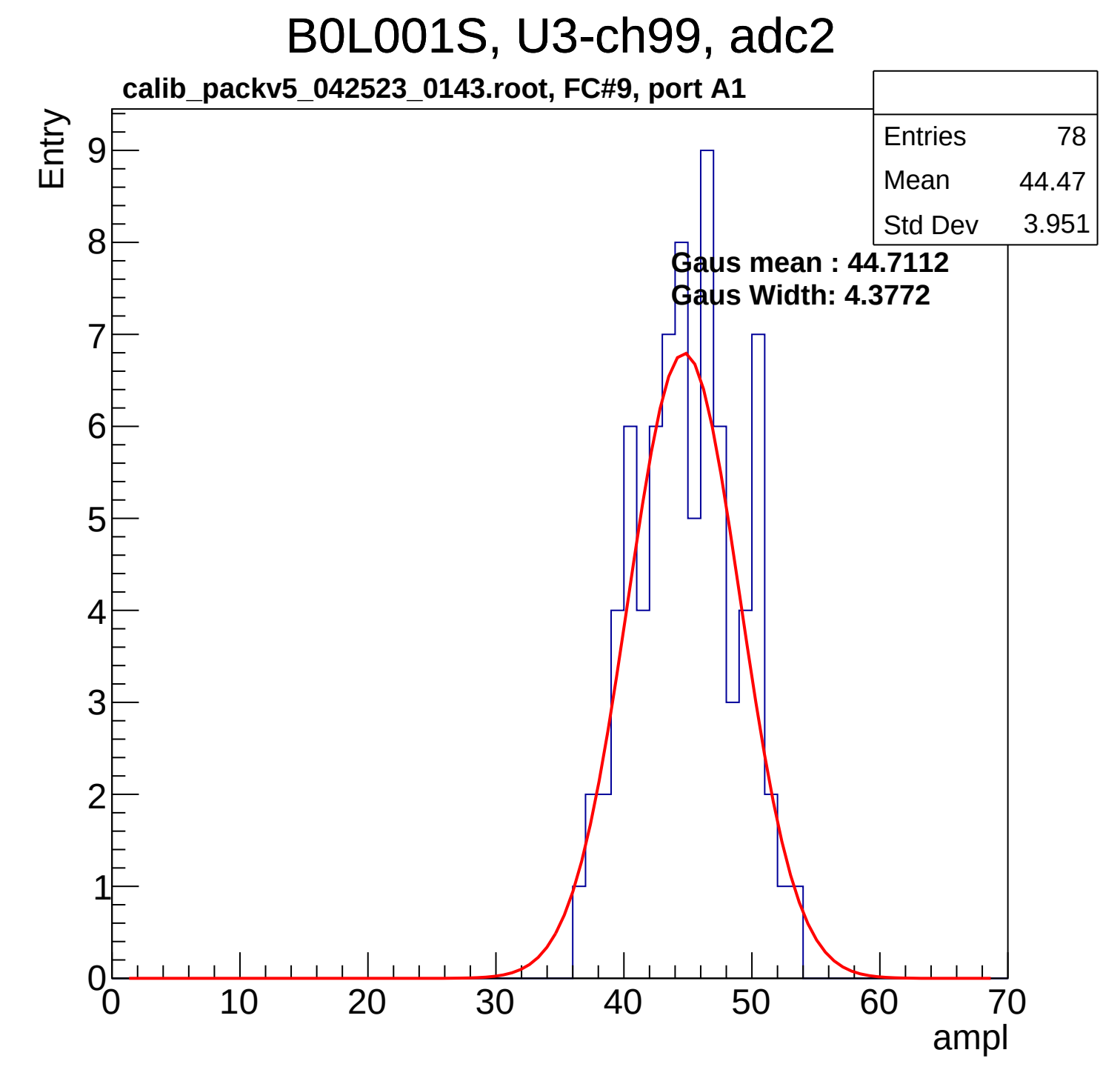

B0L001S, U3-ch98, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 58.86
Std Dev 8.814
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl

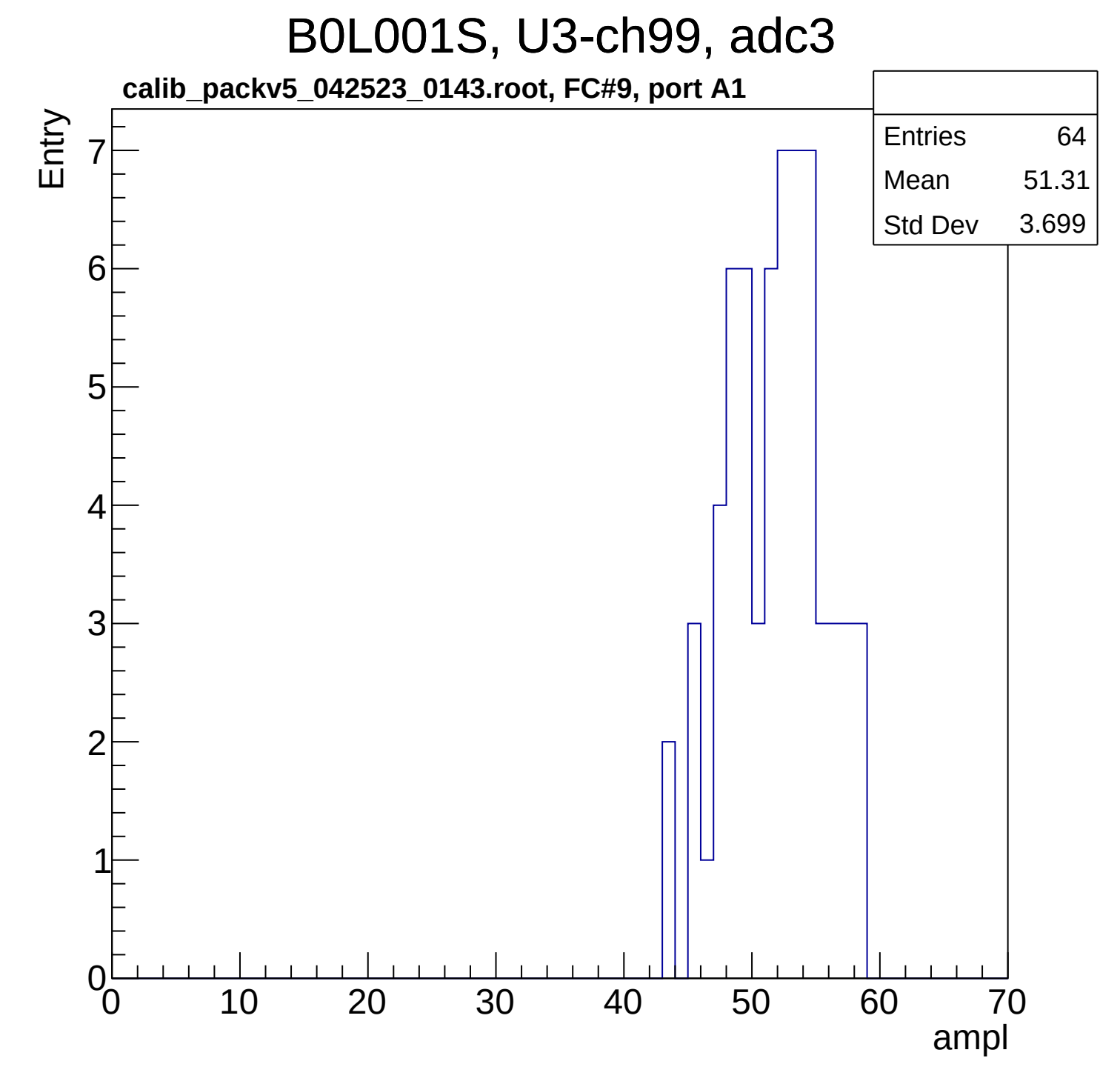

B0L001S, U3-ch98, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 61.67
Std Dev 1.886
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch98, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch99, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 29.99
Std Dev 7.296
Gaus mean : 32.0899
Gaus Width: 3.8398
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch99, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 37.6
Std Dev 3.704
Gaus mean : 37.7326
Gaus Width: 4.2507
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch99, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 44.47
Std Dev 3.951
Gaus mean : 44.7112
Gaus Width: 4.3772
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch99, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 51.31
Std Dev 3.699
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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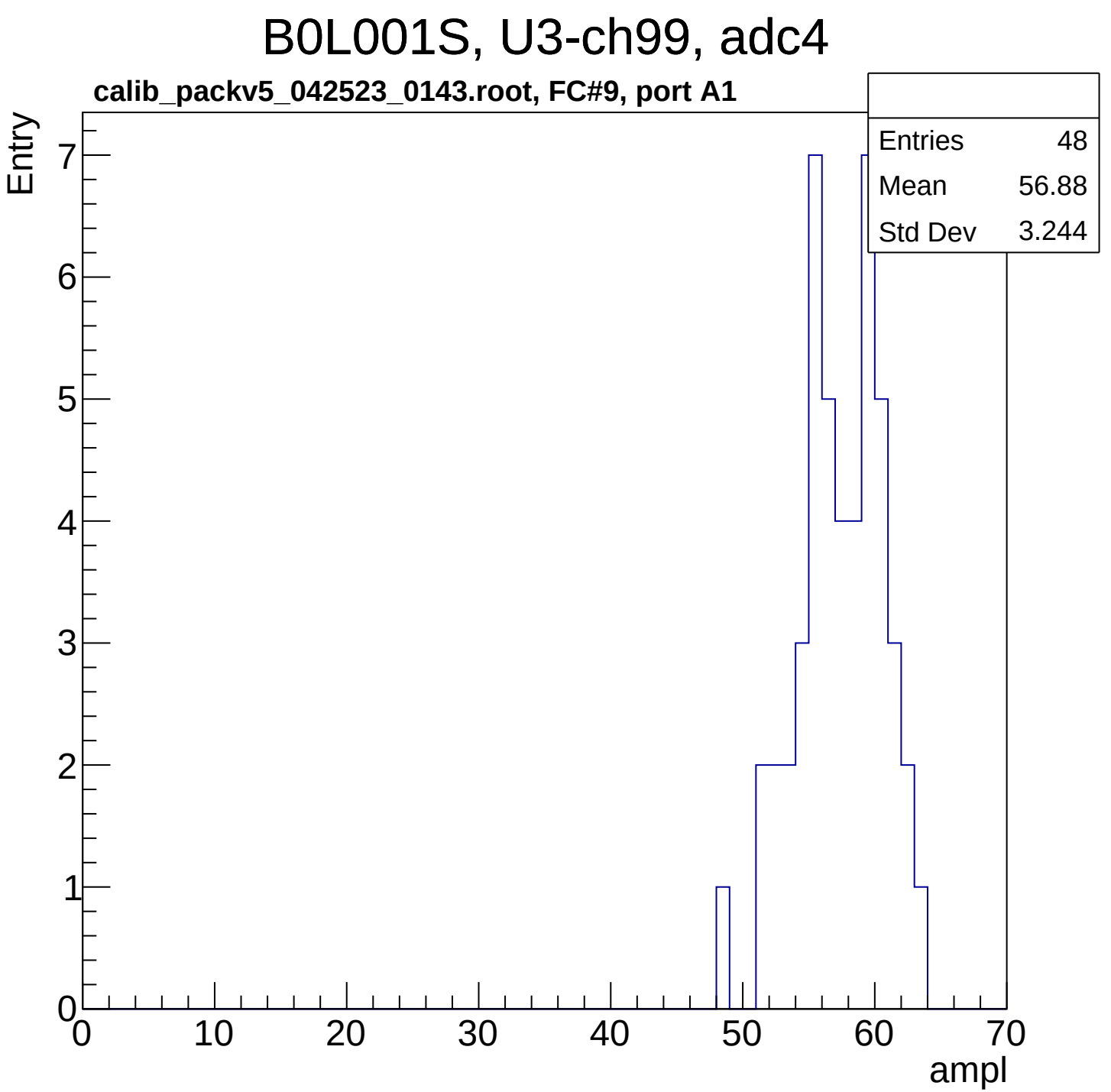
B0L001S, U3-ch99, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 56.88
Std Dev 3.244
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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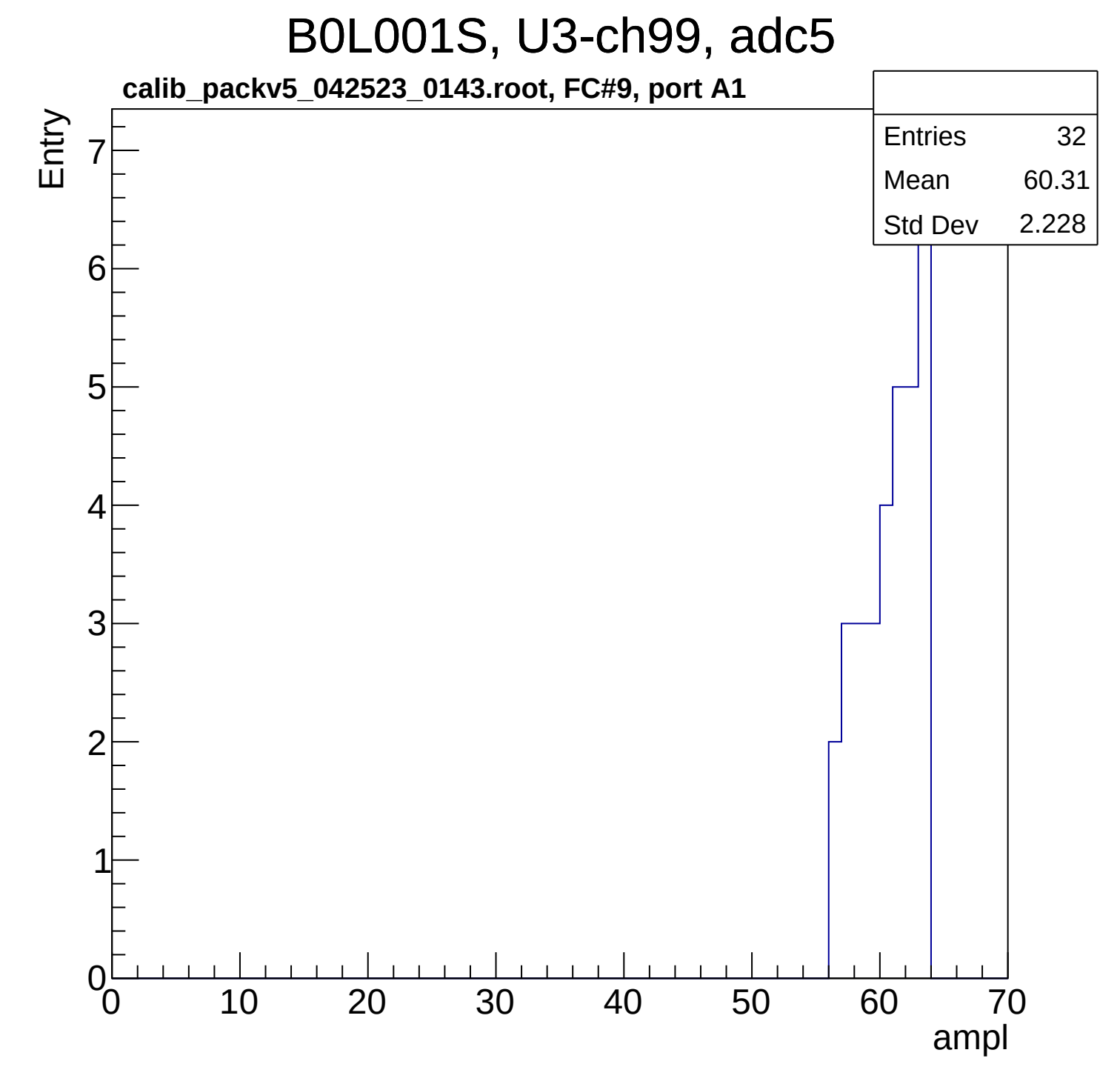
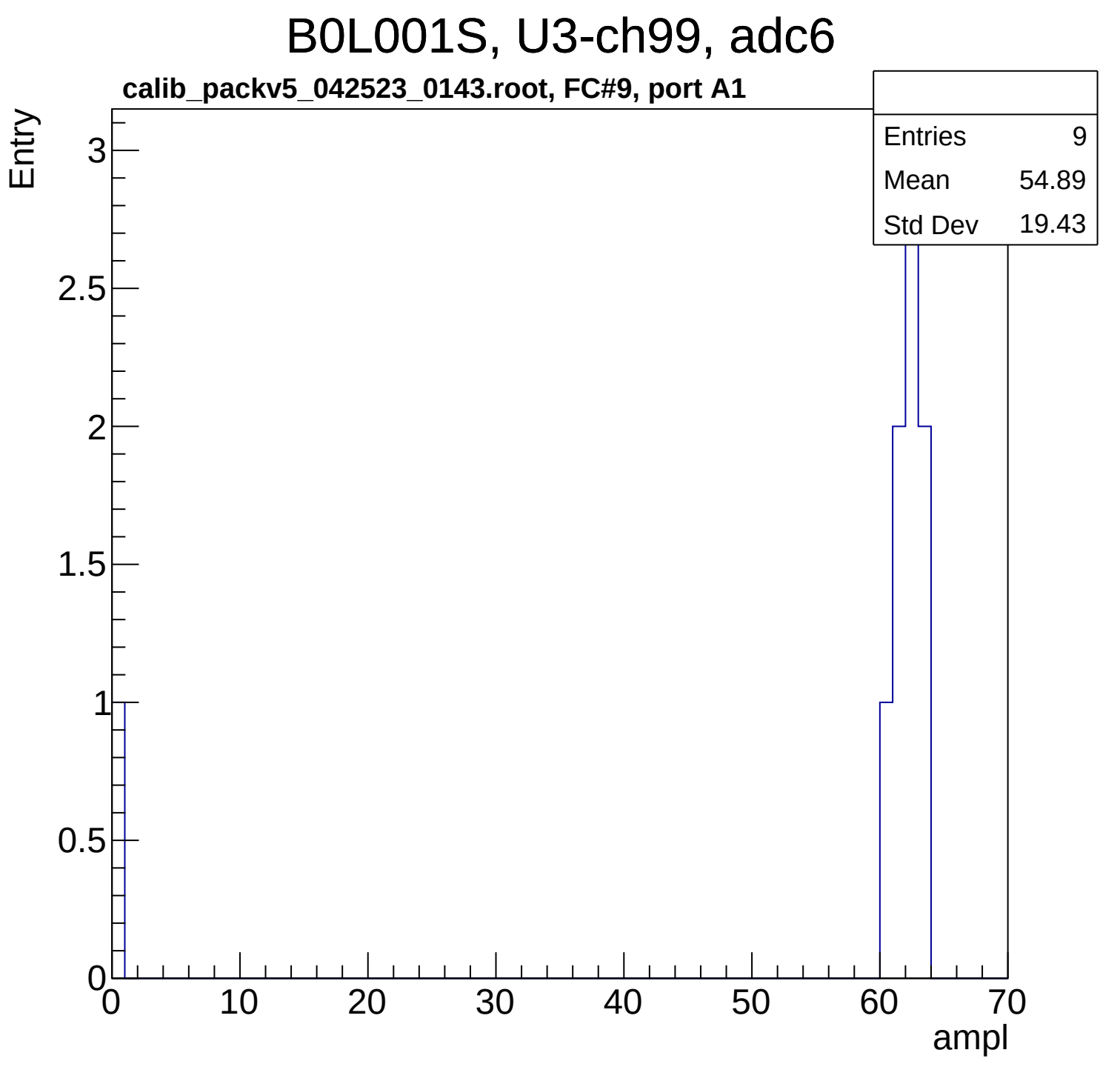
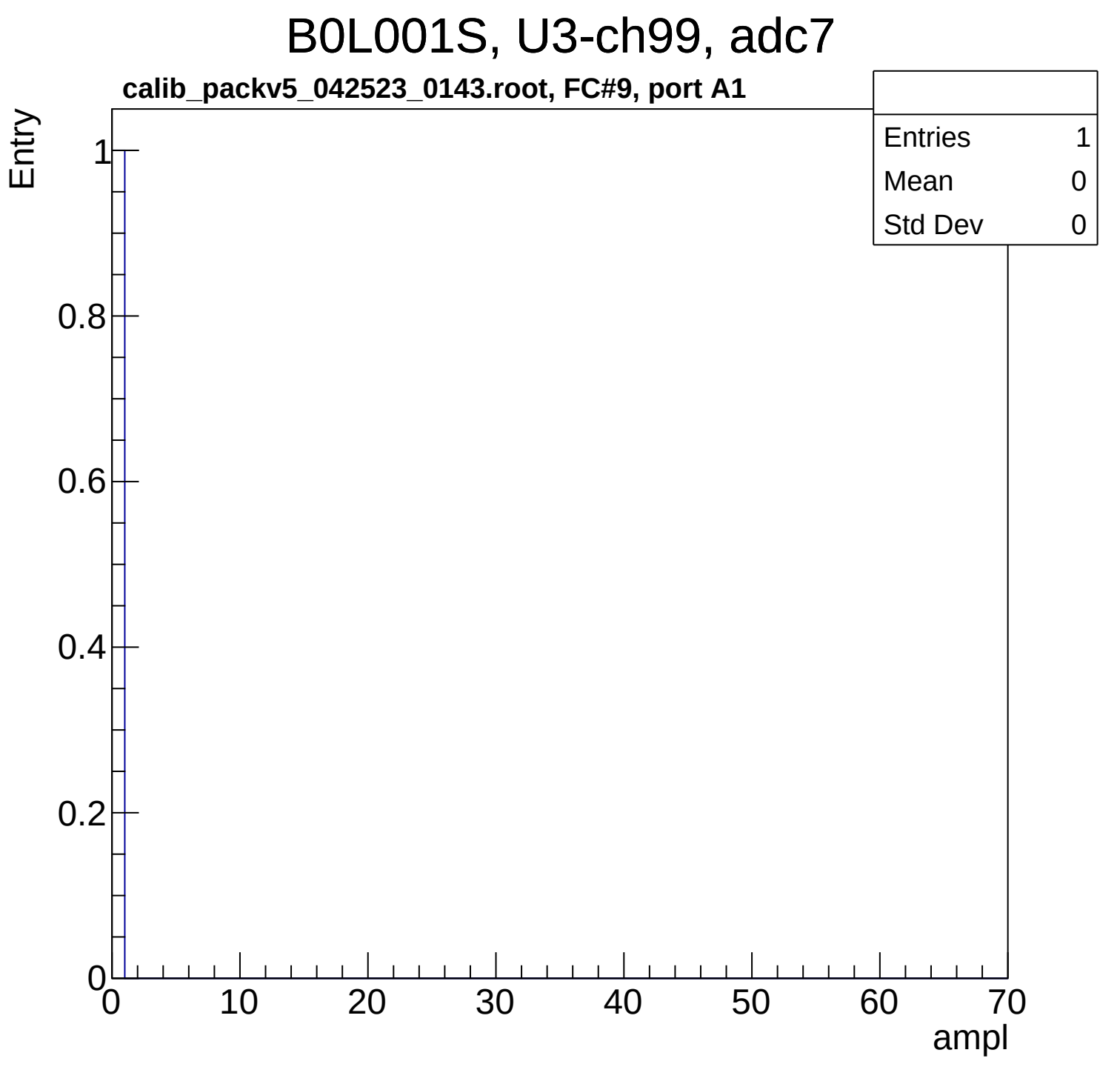
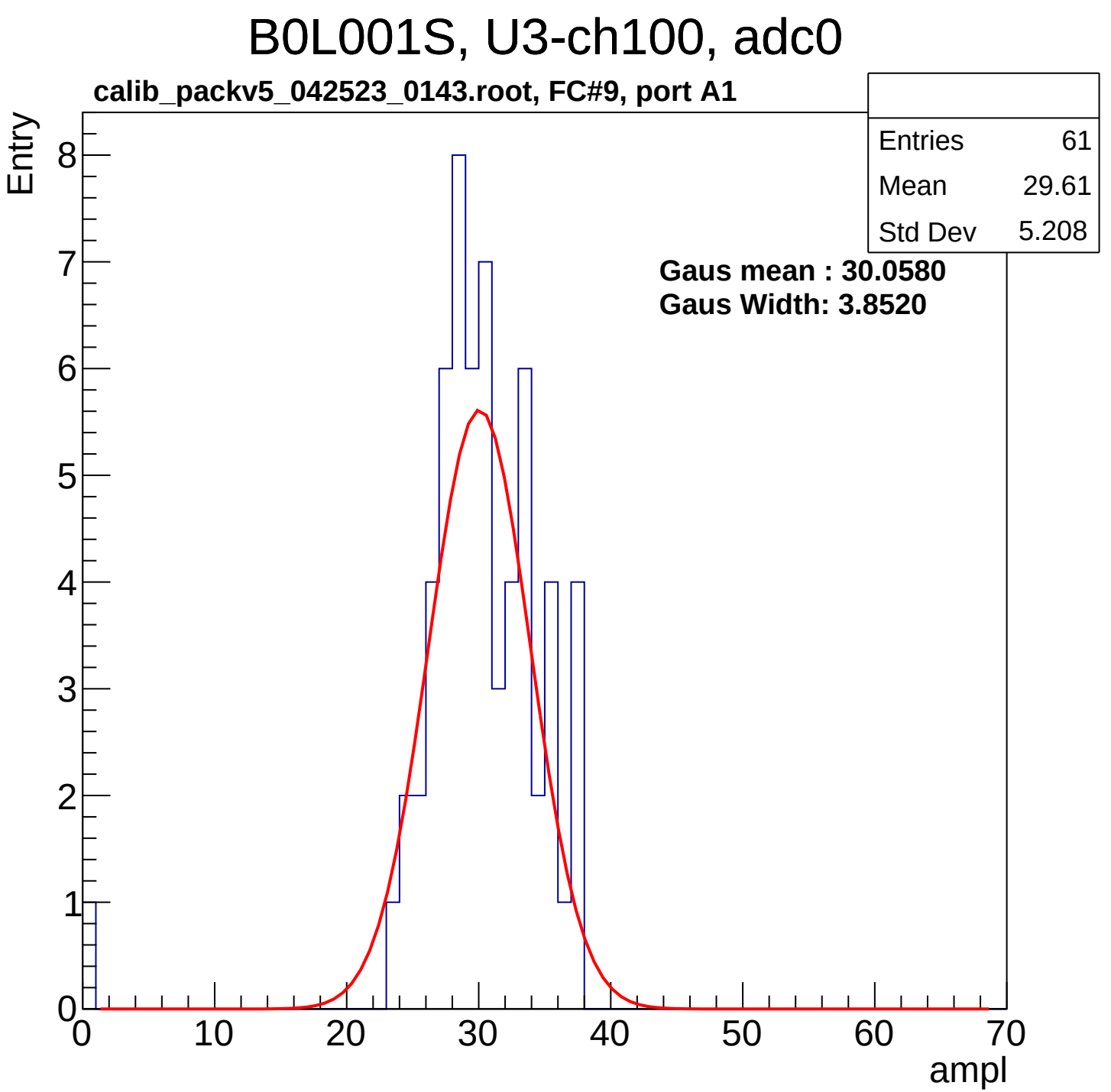
40
50
60
70


B0L001S, U3-ch99, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 60.31
Std Dev 2.228
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch99, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 54.89
Std Dev 19.43
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch99, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch100, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 29.61
Std Dev 5.208
Gaus mean : 30.0580
Gaus Width: 3.8520
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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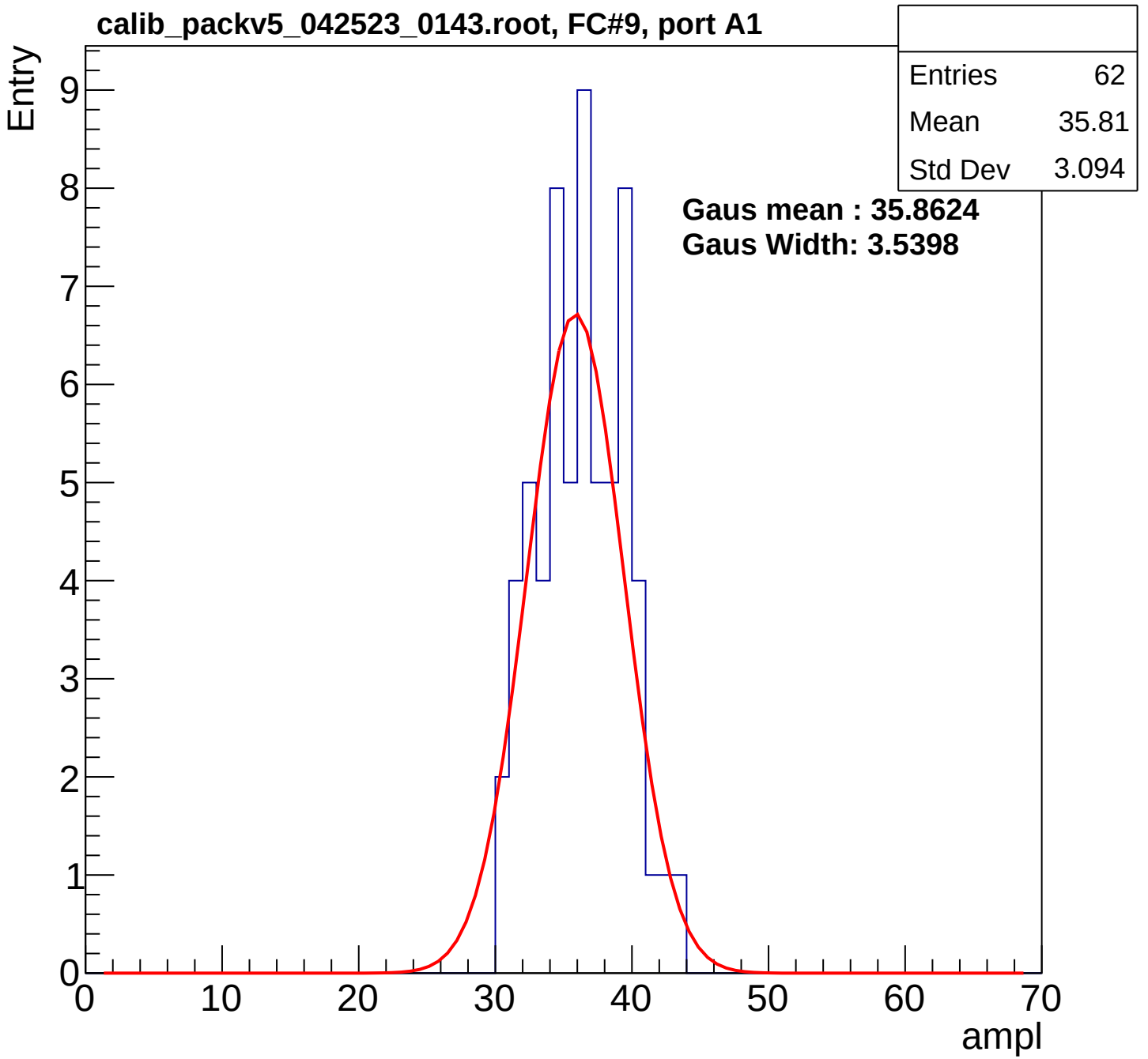
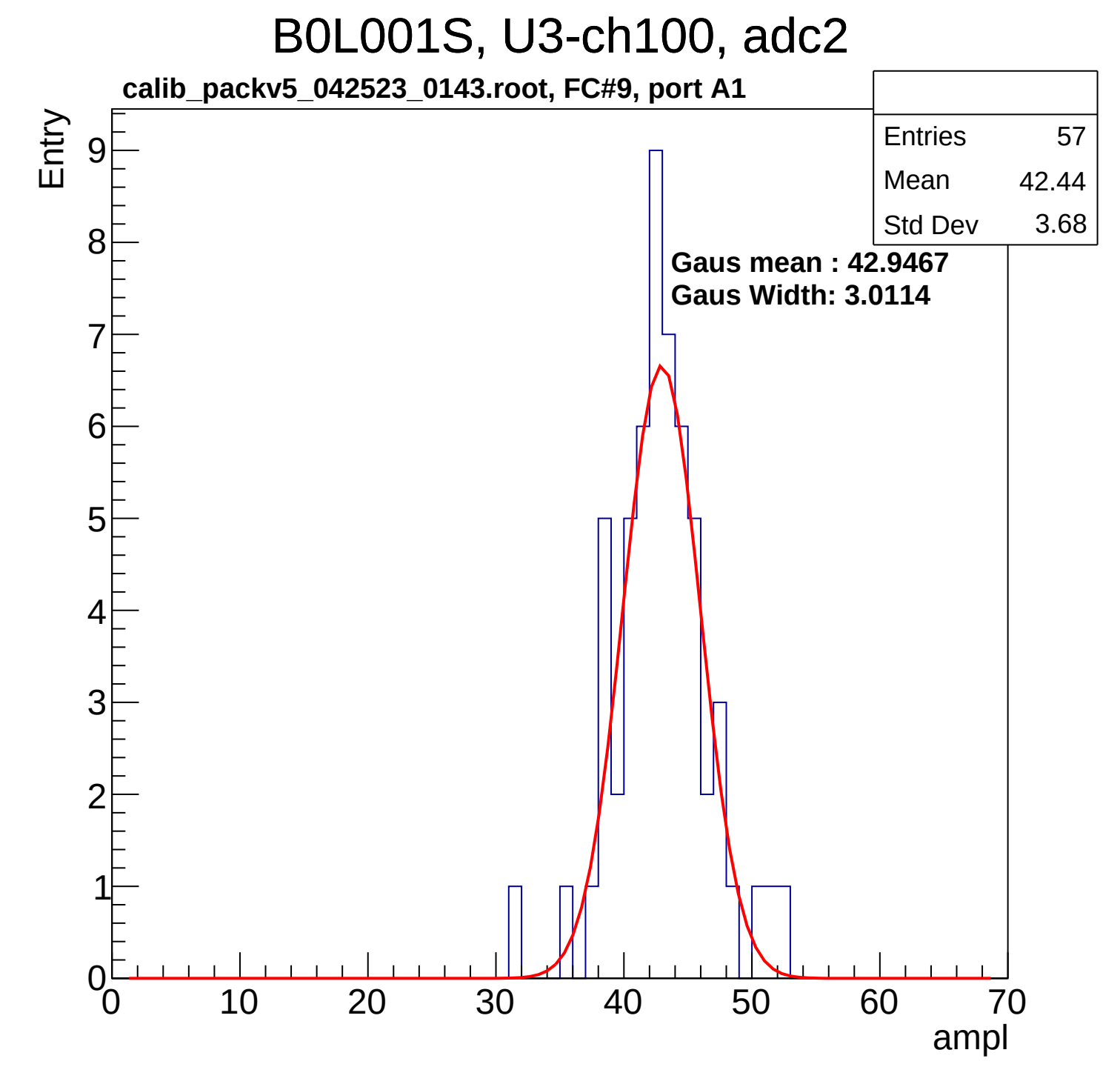
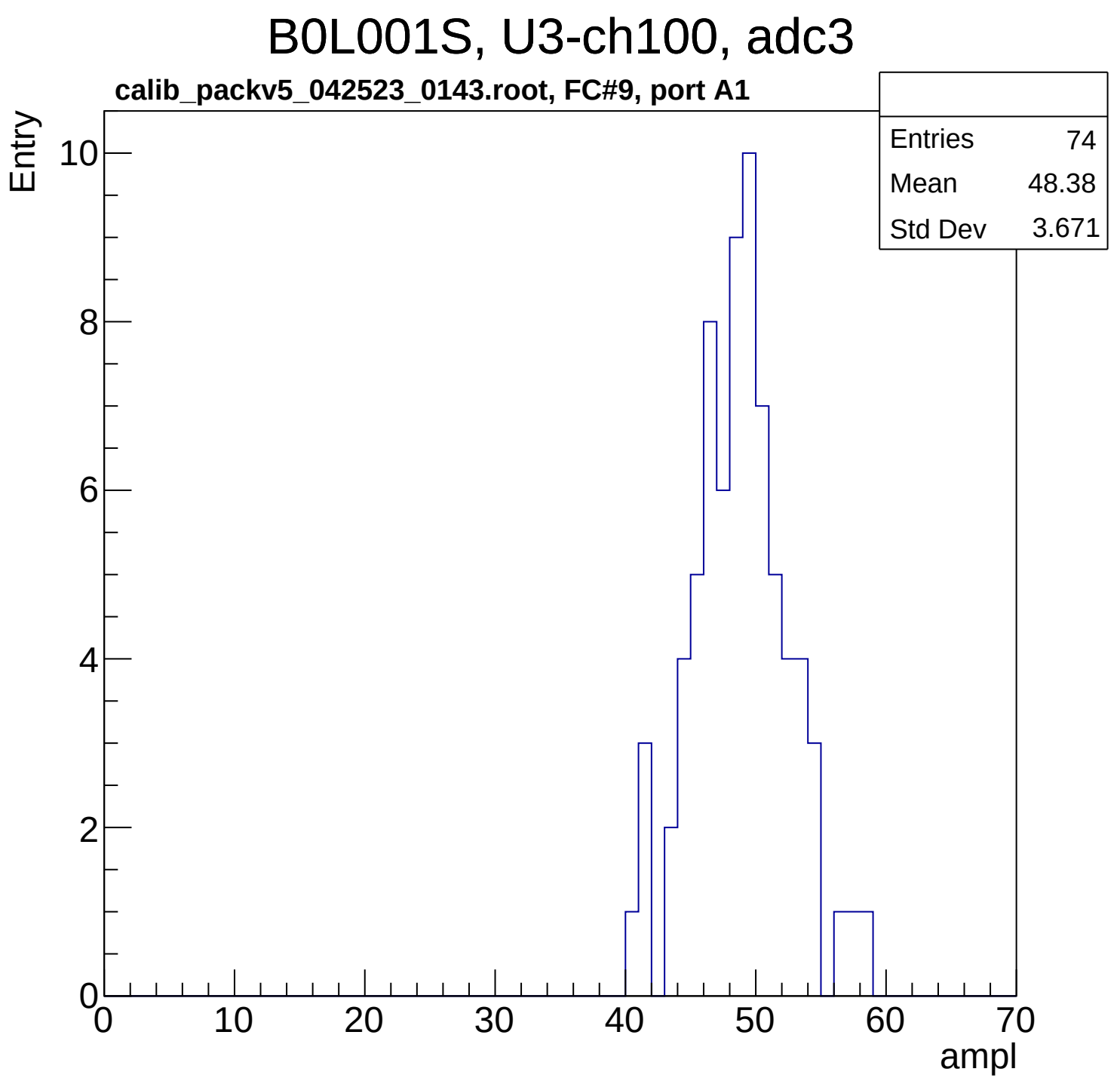

B0L001S, U3-ch100, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 35.81
Std Dev 3.094
Gaus mean : 35.8624
Gaus Width: 3.5398
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B0L001S, U3-ch100, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 57
Mean 42.44
Std Dev 3.68
Gaus mean : 42.9467
Gaus Width: 3.0114
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch100, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 48.38
Std Dev 3.671
Entry
ampl
0
2
4
6
8
10
0
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20
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40
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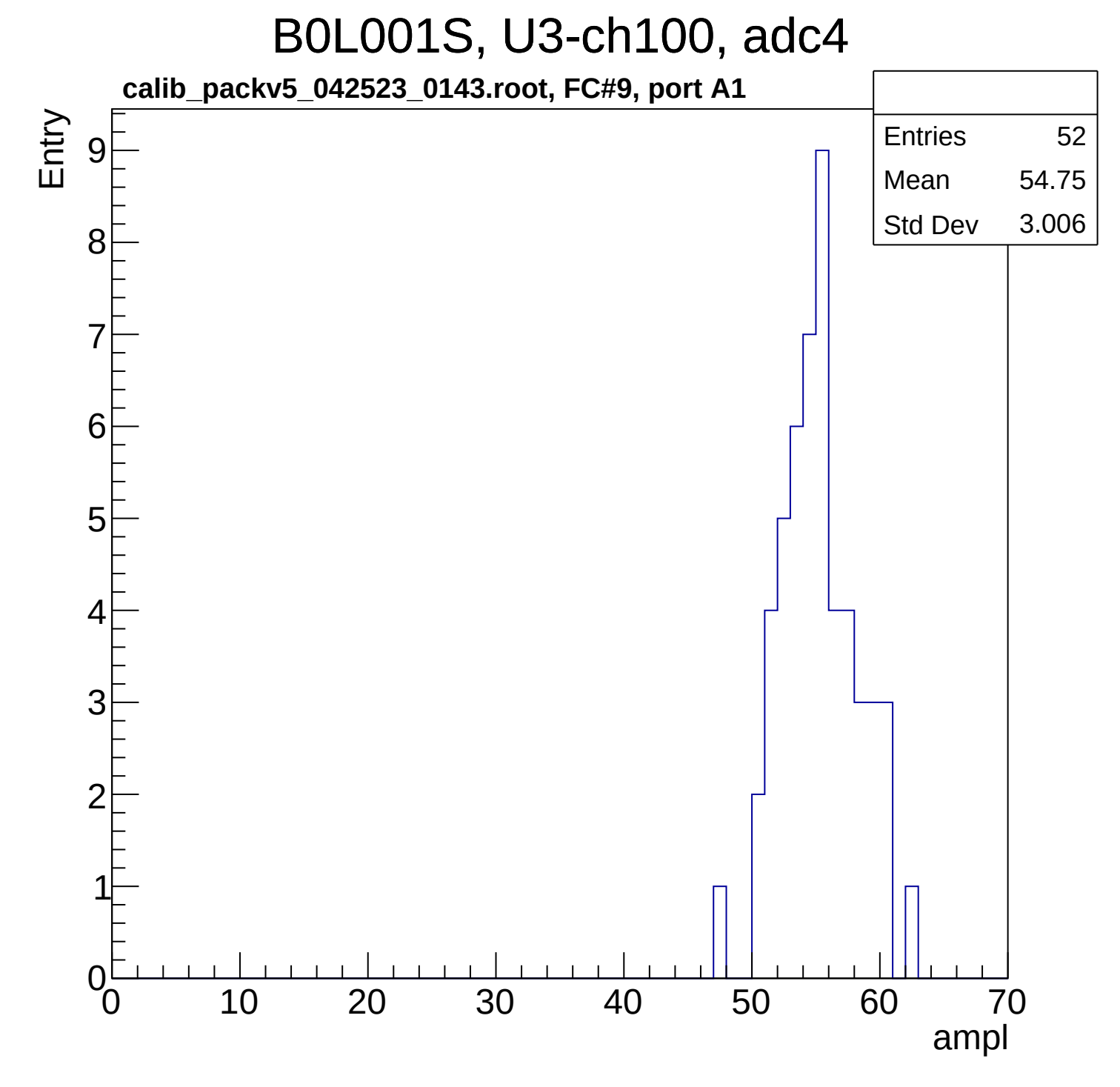
60
70


B0L001S, U3-ch100, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 54.75
Std Dev 3.006
Entry
ampl
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3
4
5
6
7
8
9
0
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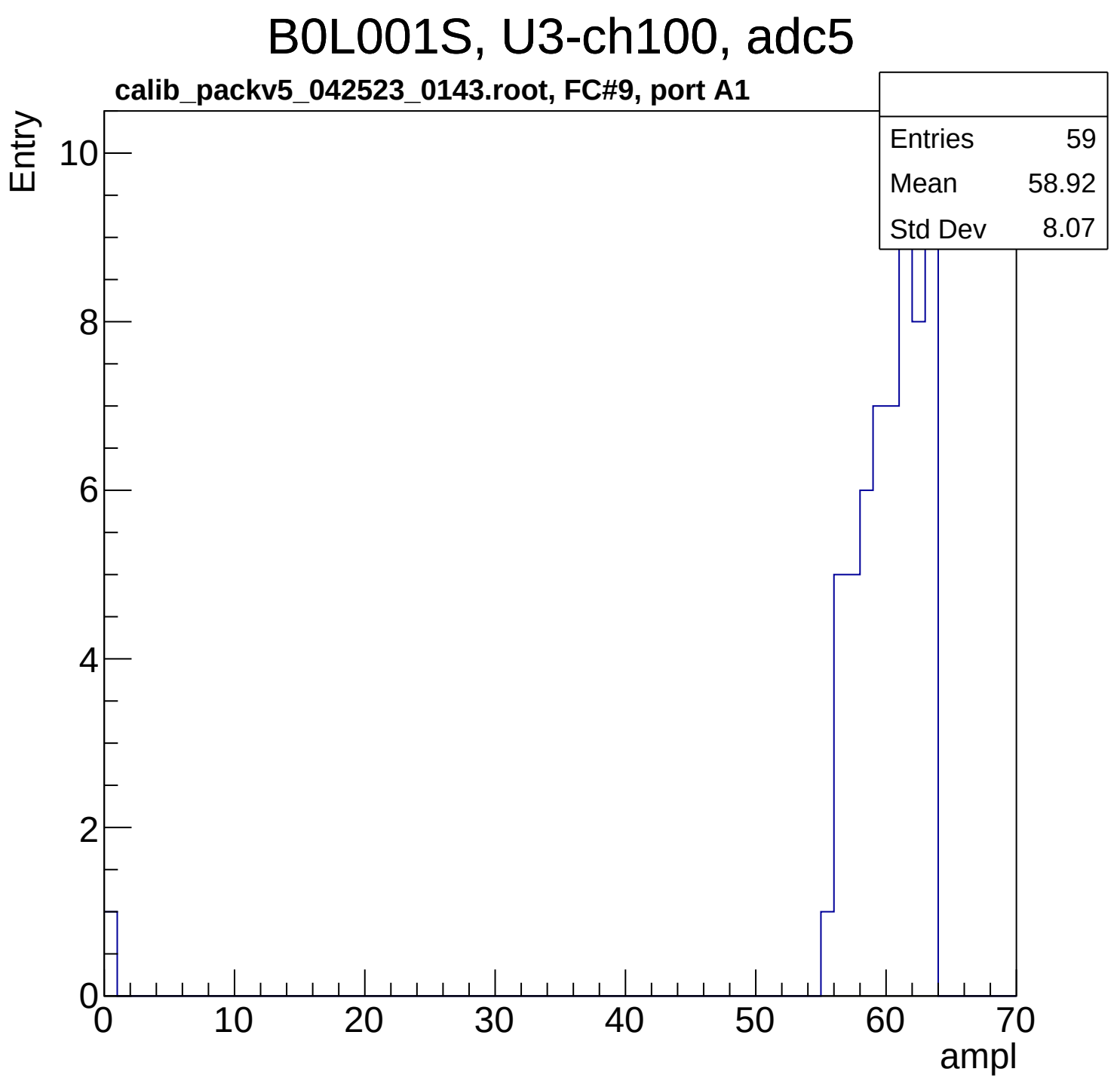
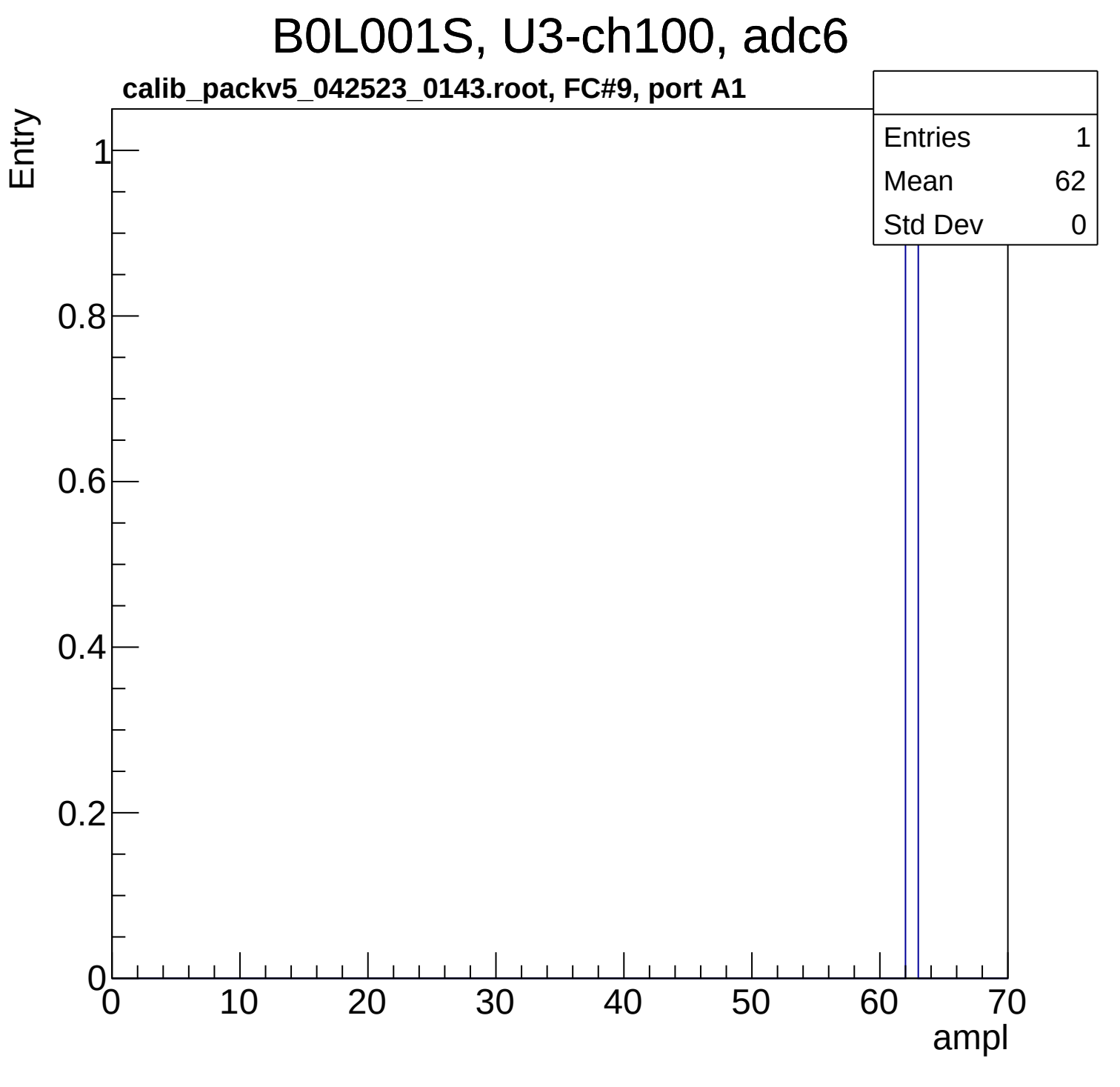
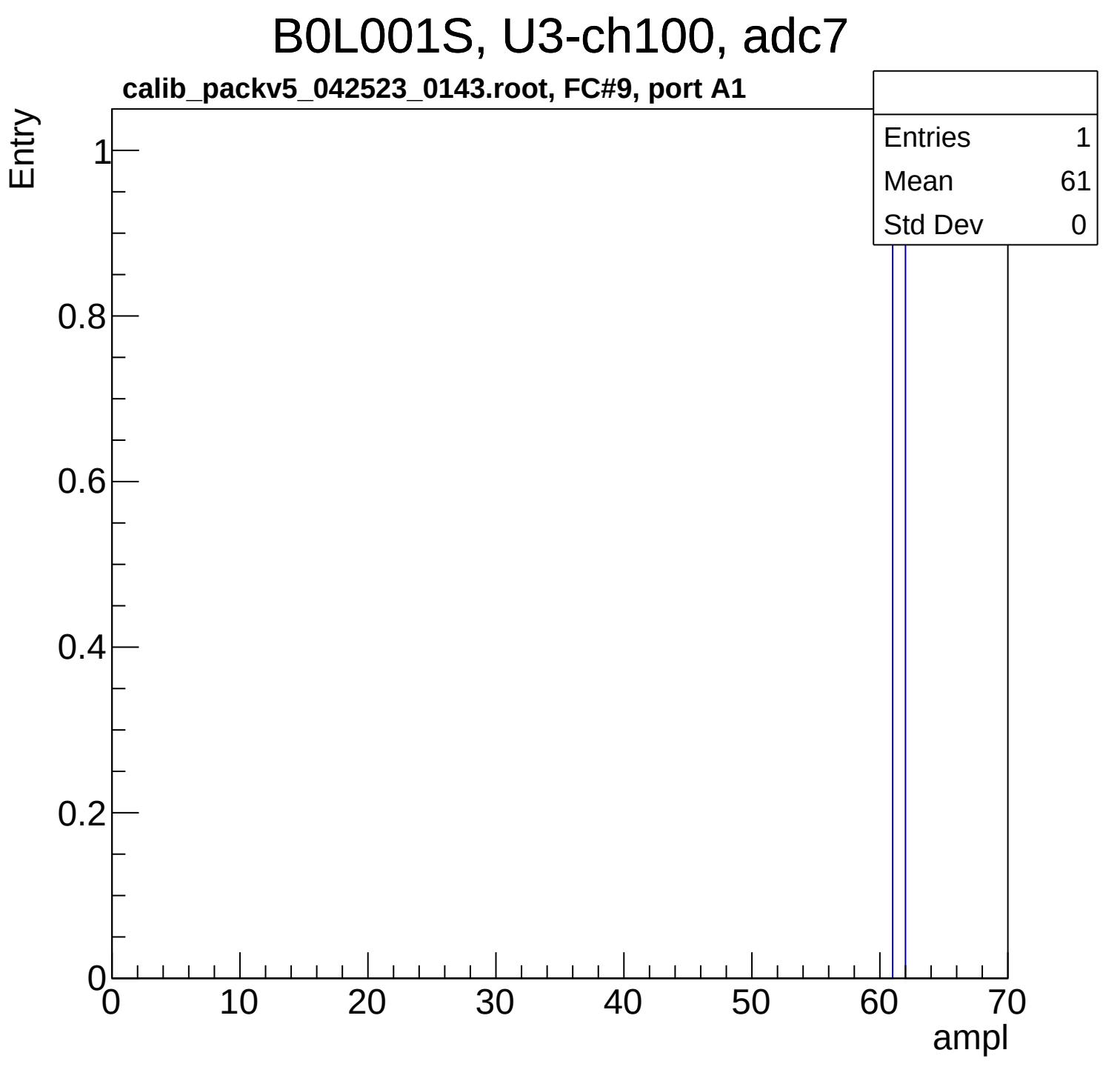
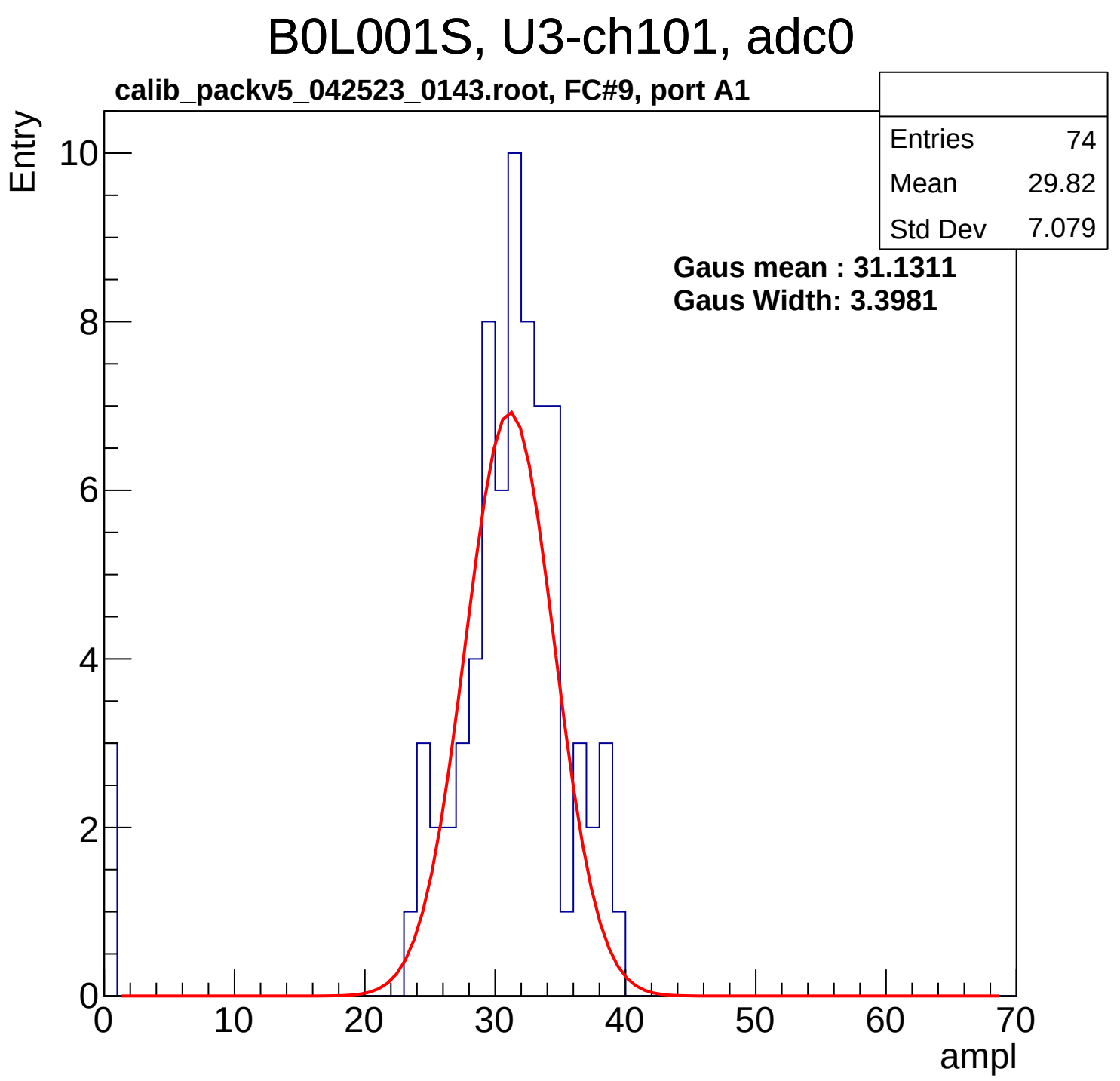

B0L001S, U3-ch100, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 58.92
Std Dev 8.07
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch100, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch100, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 61
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch101, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 74
Mean 29.82
Std Dev 7.079
Gaus mean : 31.1311
Gaus Width: 3.3981
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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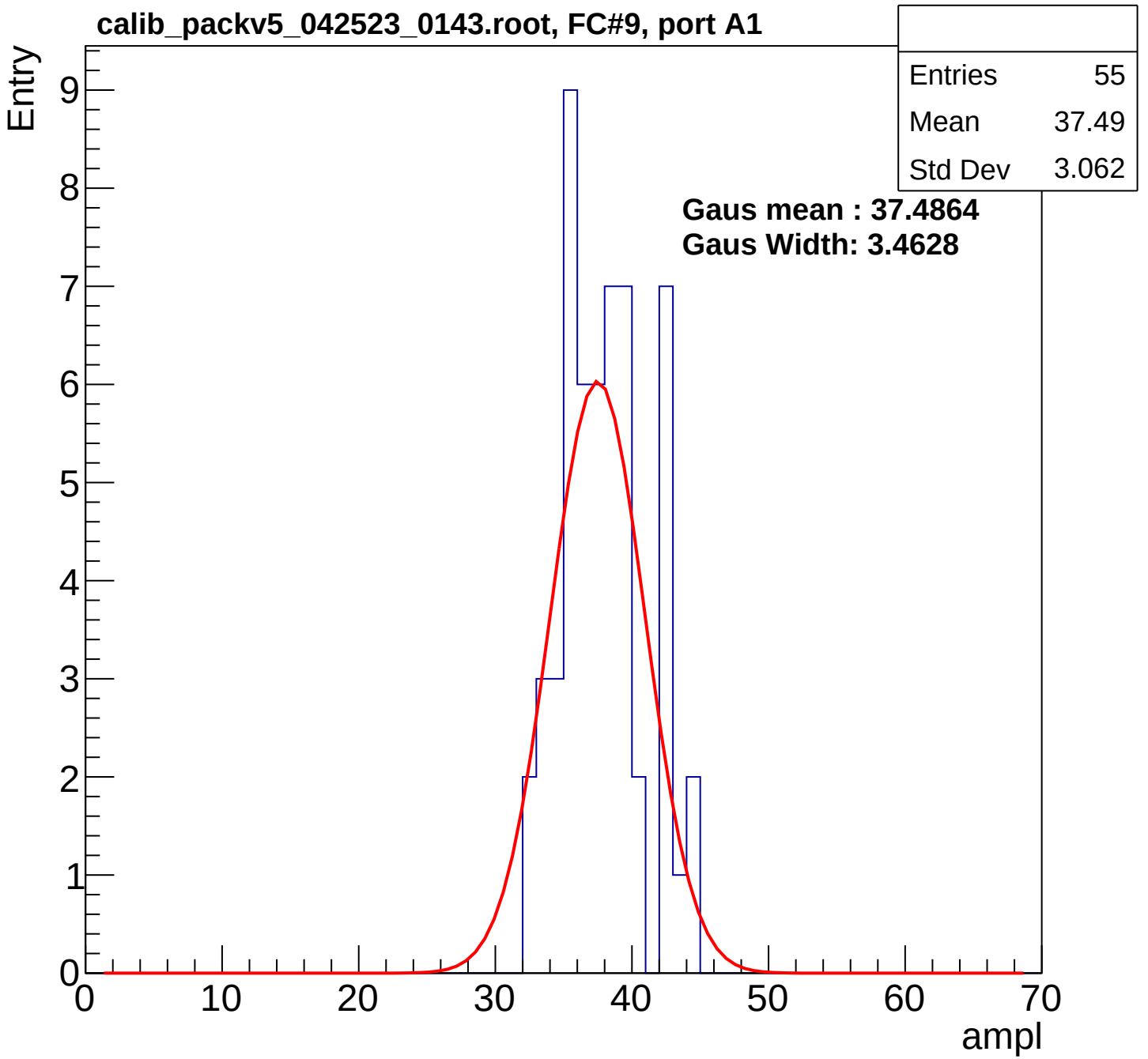
B0L001S, U3-ch101, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 37.49
Std Dev 3.062
Gaus mean : 37.4864
Gaus Width: 3.4628
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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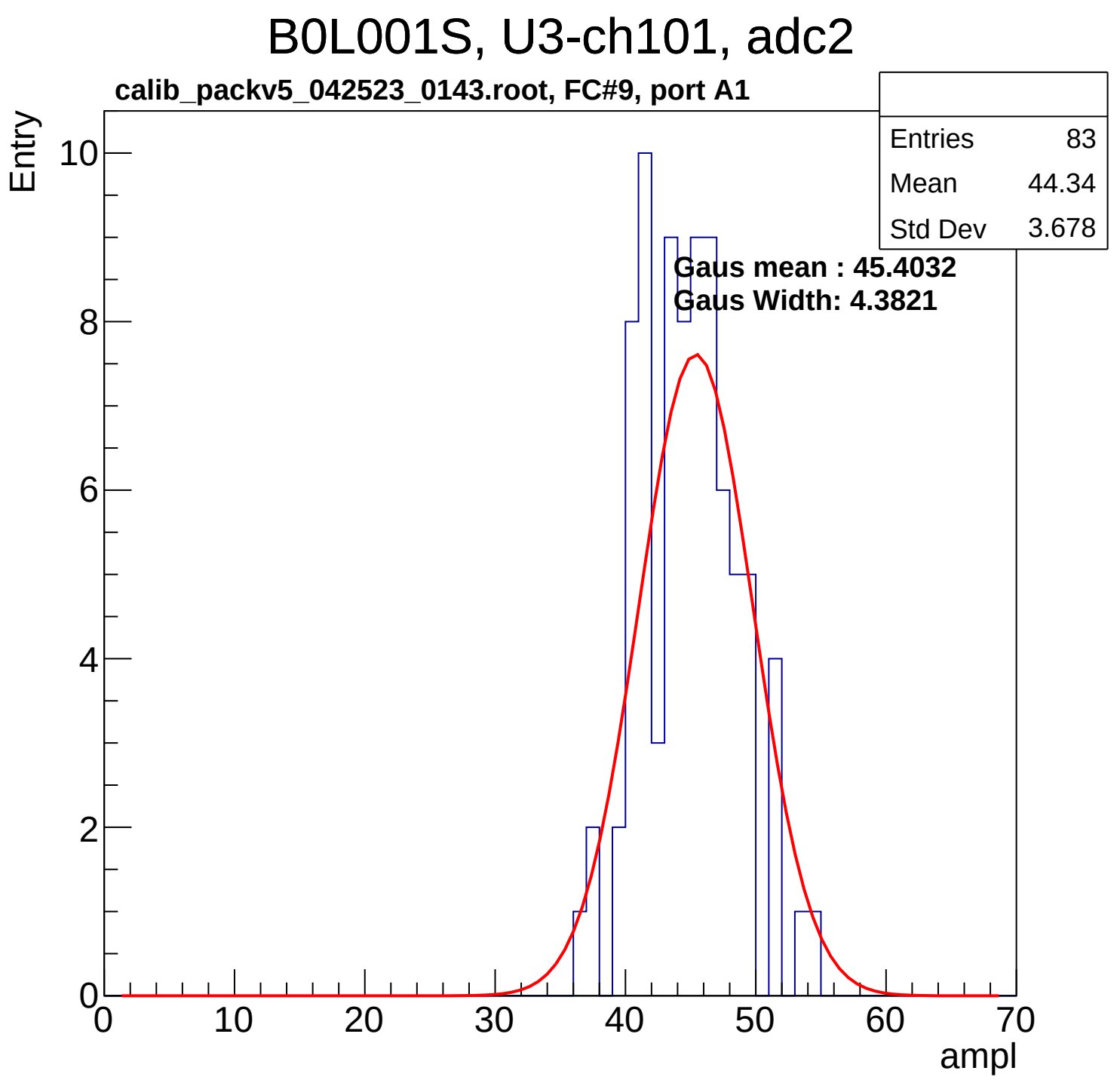
B0L001S, U3-ch101, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 44.34
Std Dev 3.678
Gaus mean : 45.4032
Gaus Width: 4.3821
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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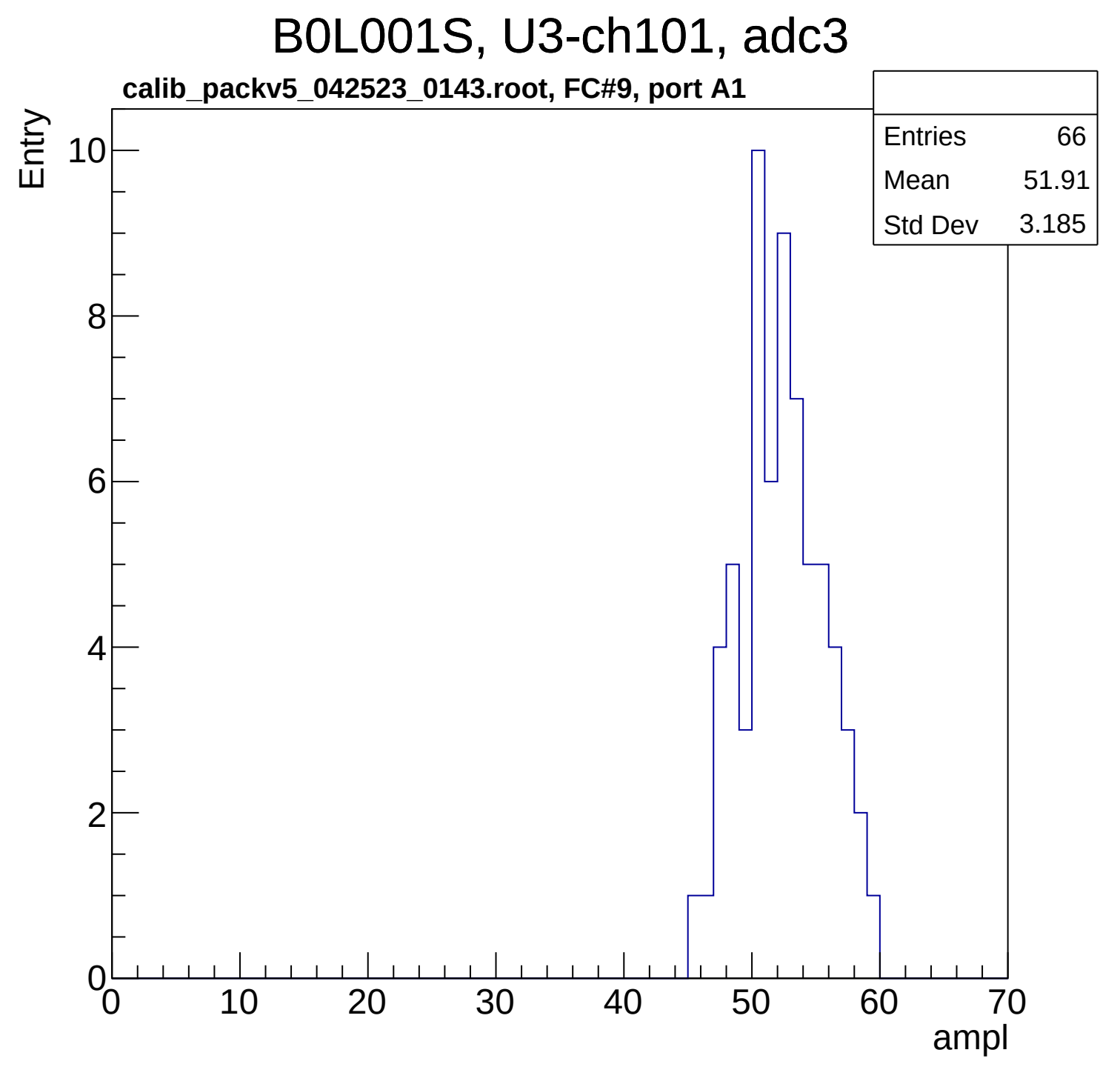
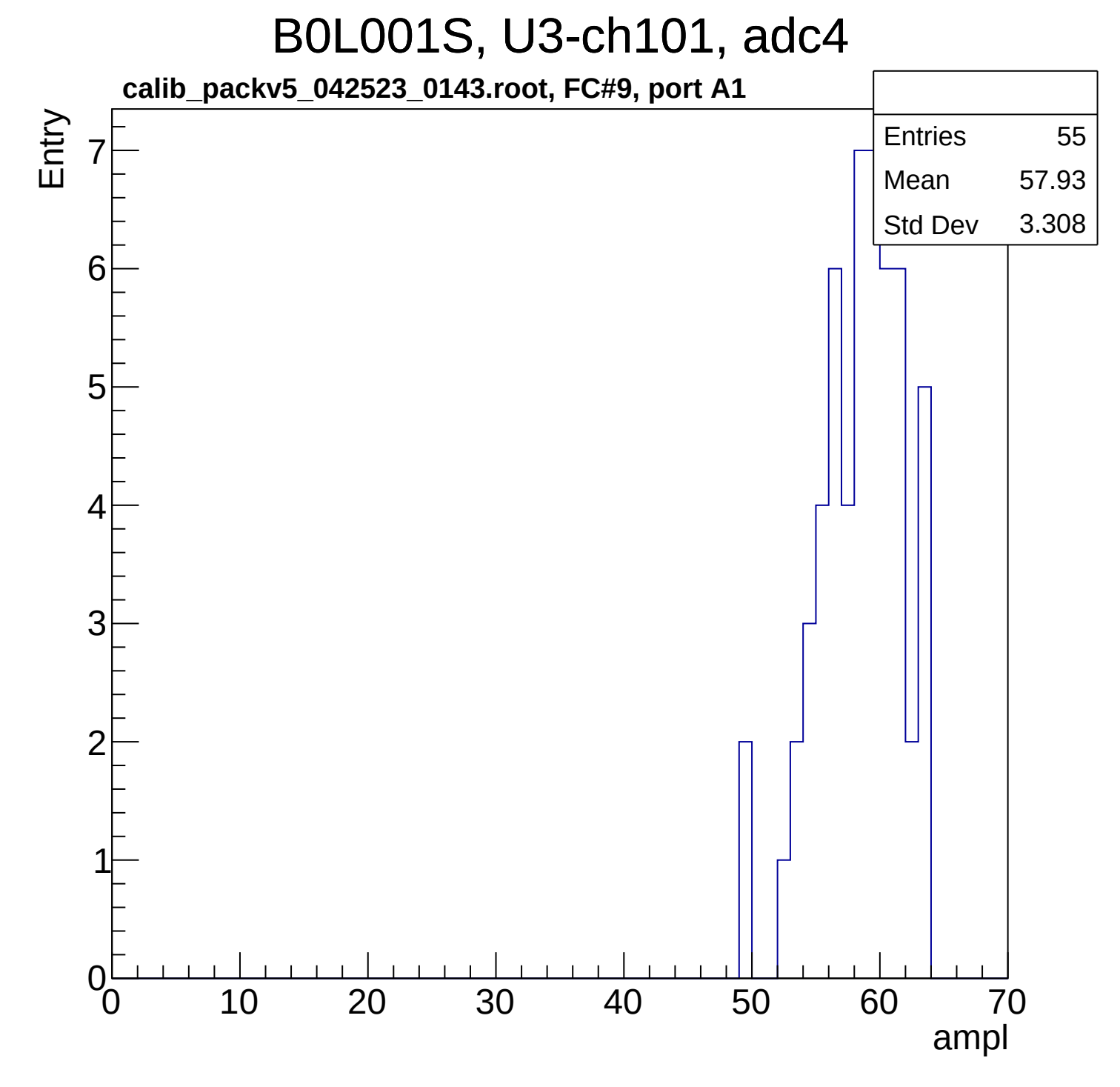
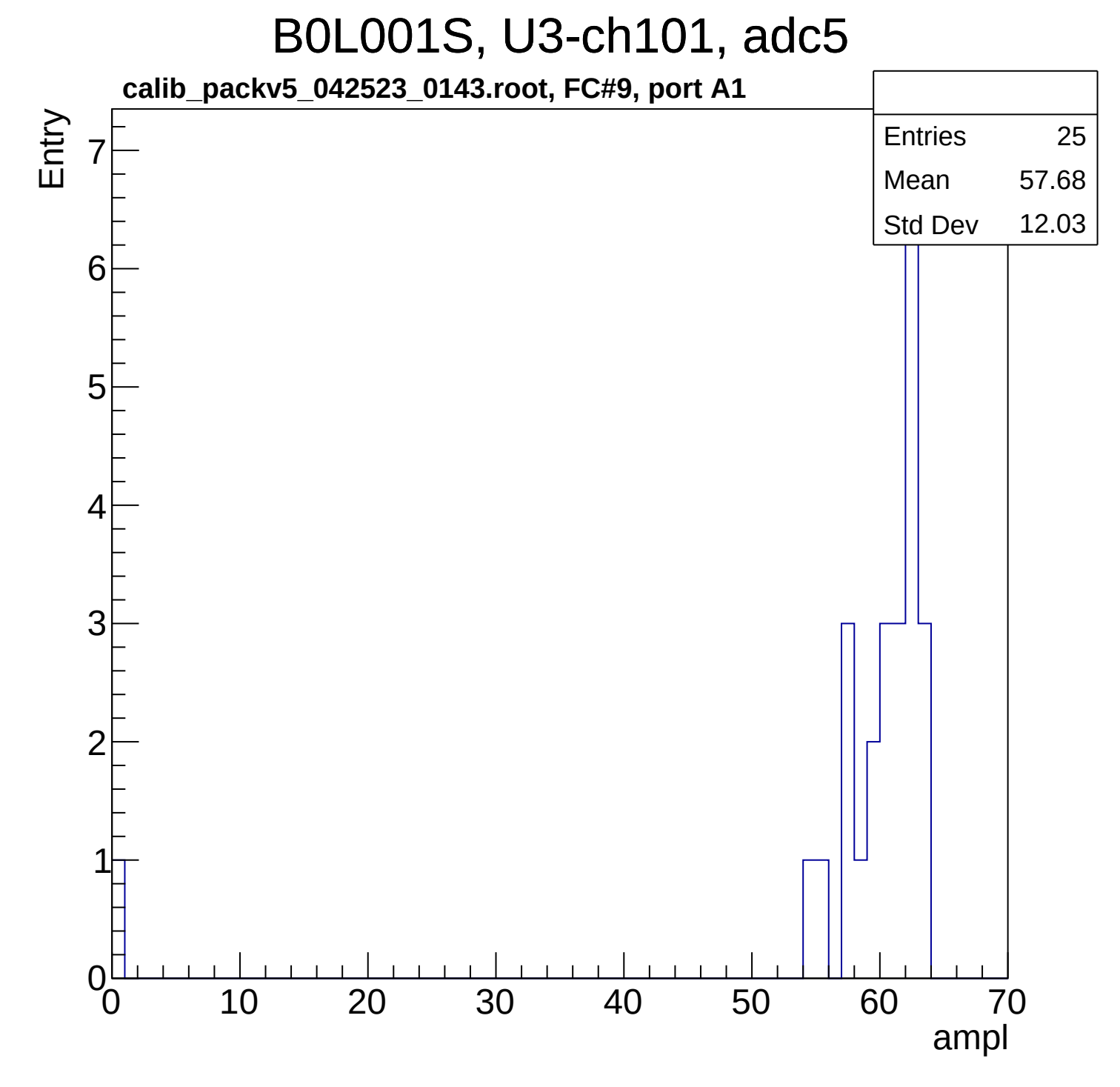
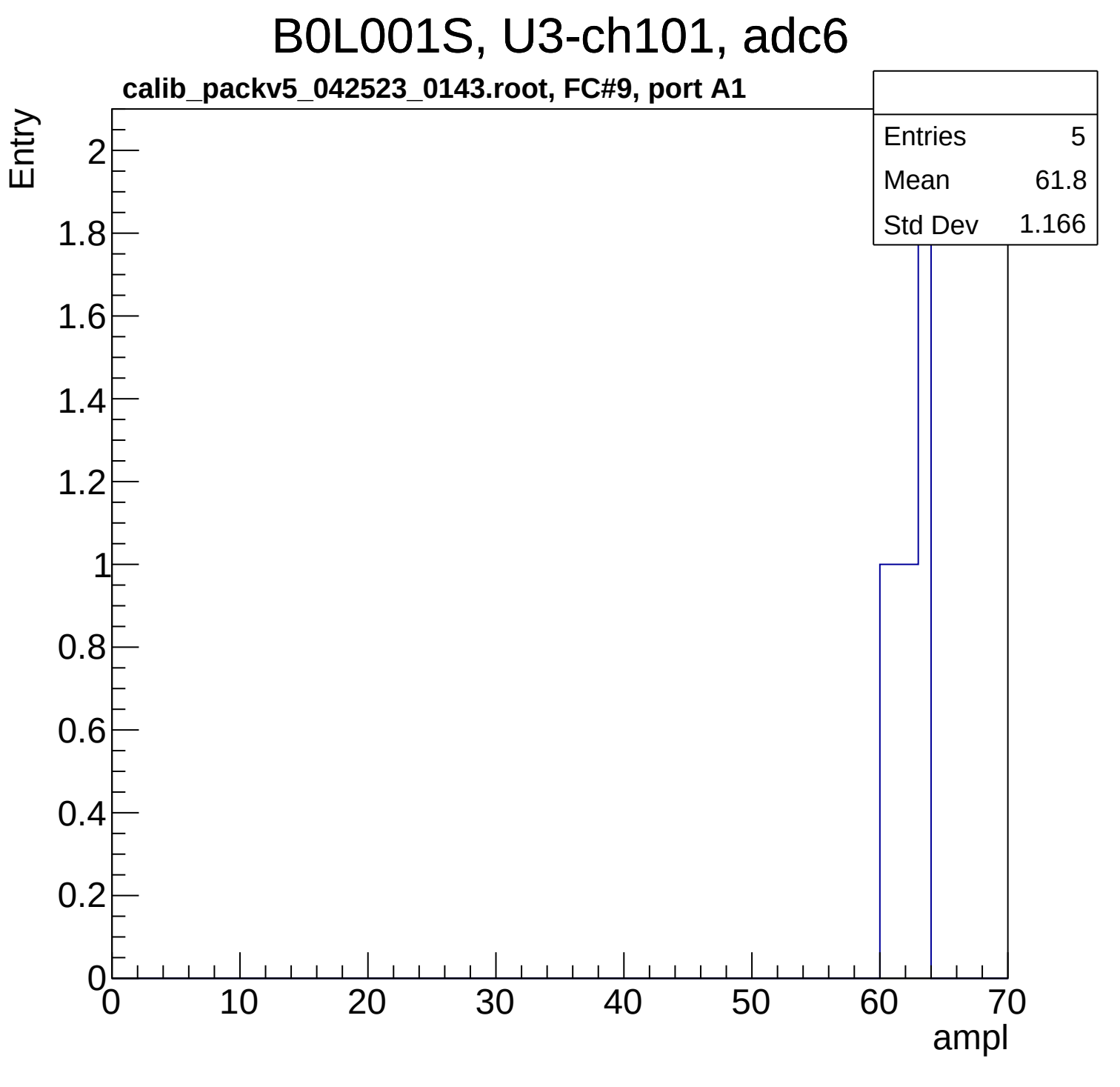

B0L001S, U3-ch101, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 51.91
Std Dev 3.185
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch101, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 57.93
Std Dev 3.308
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch101, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 25
Mean 57.68
Std Dev 12.03
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch101, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 61.8
Std Dev 1.166
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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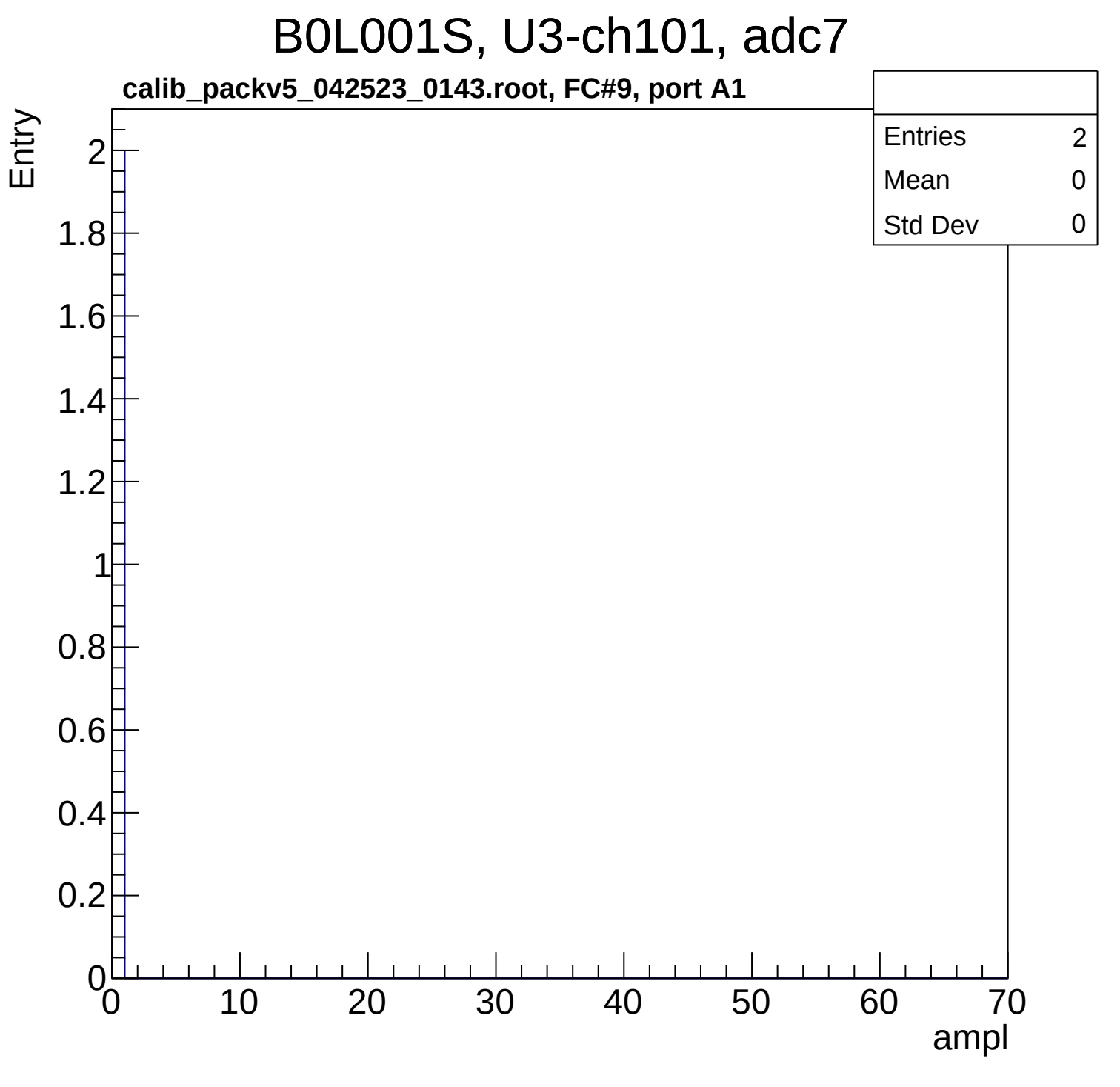
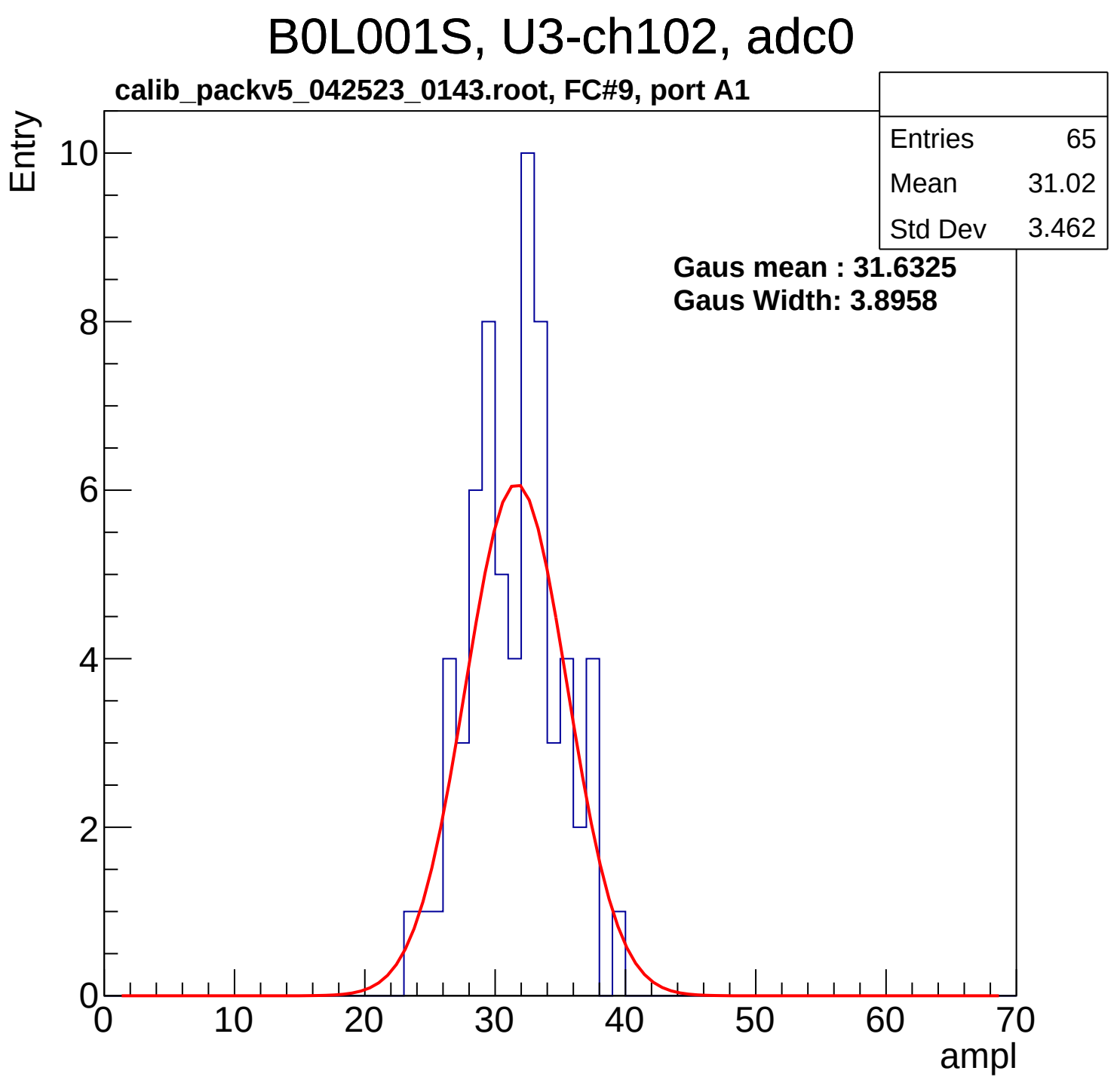
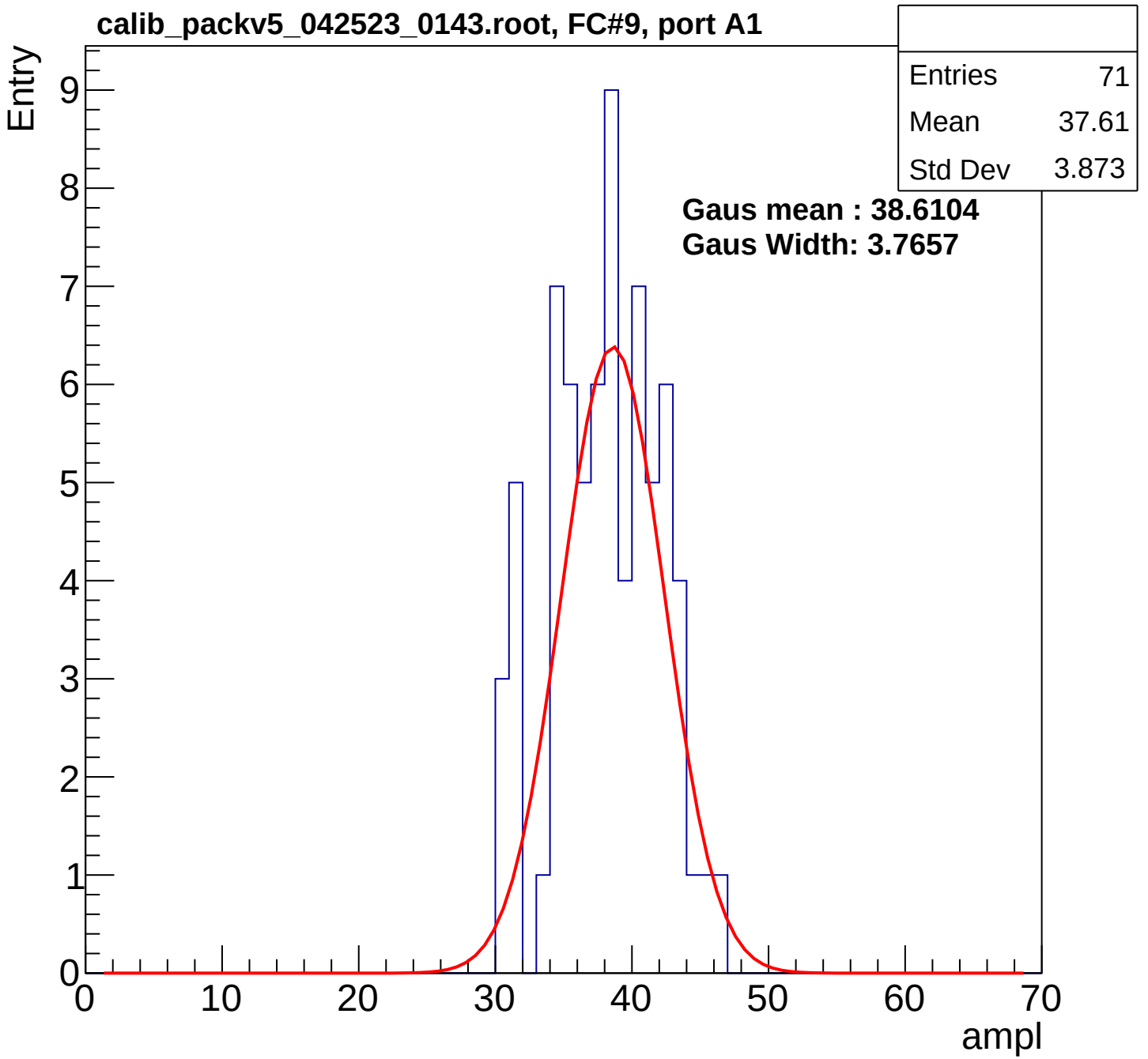
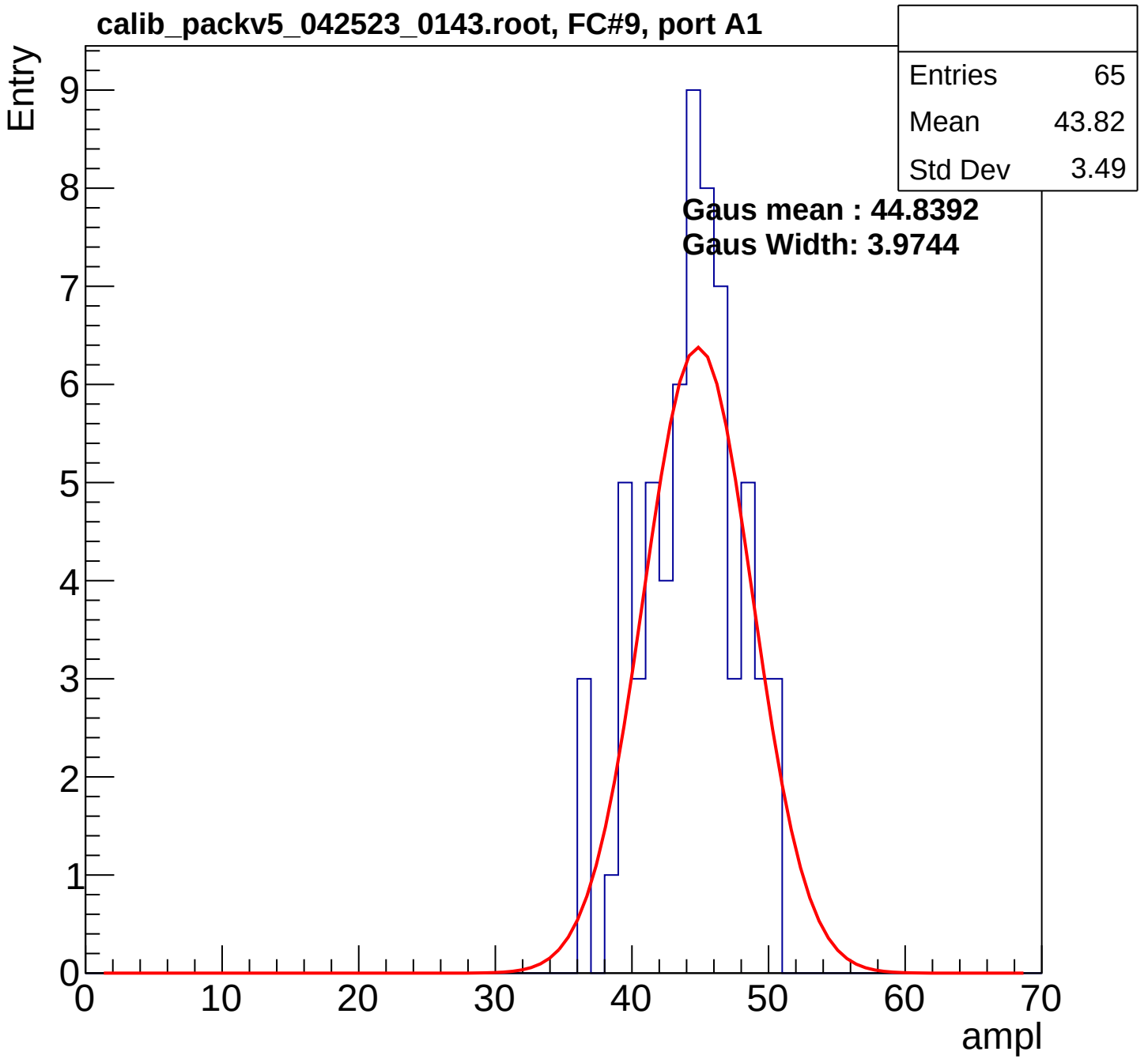
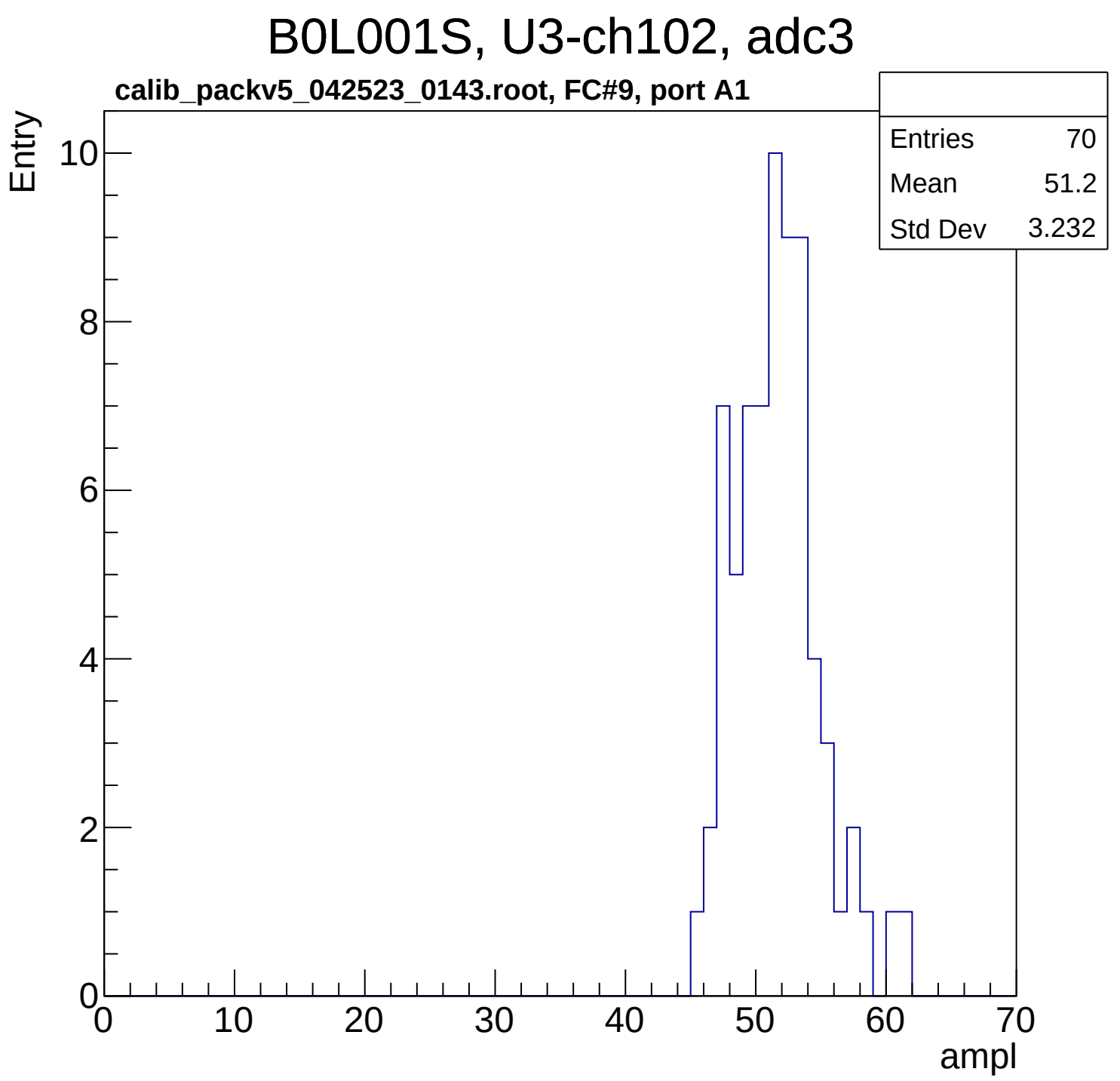
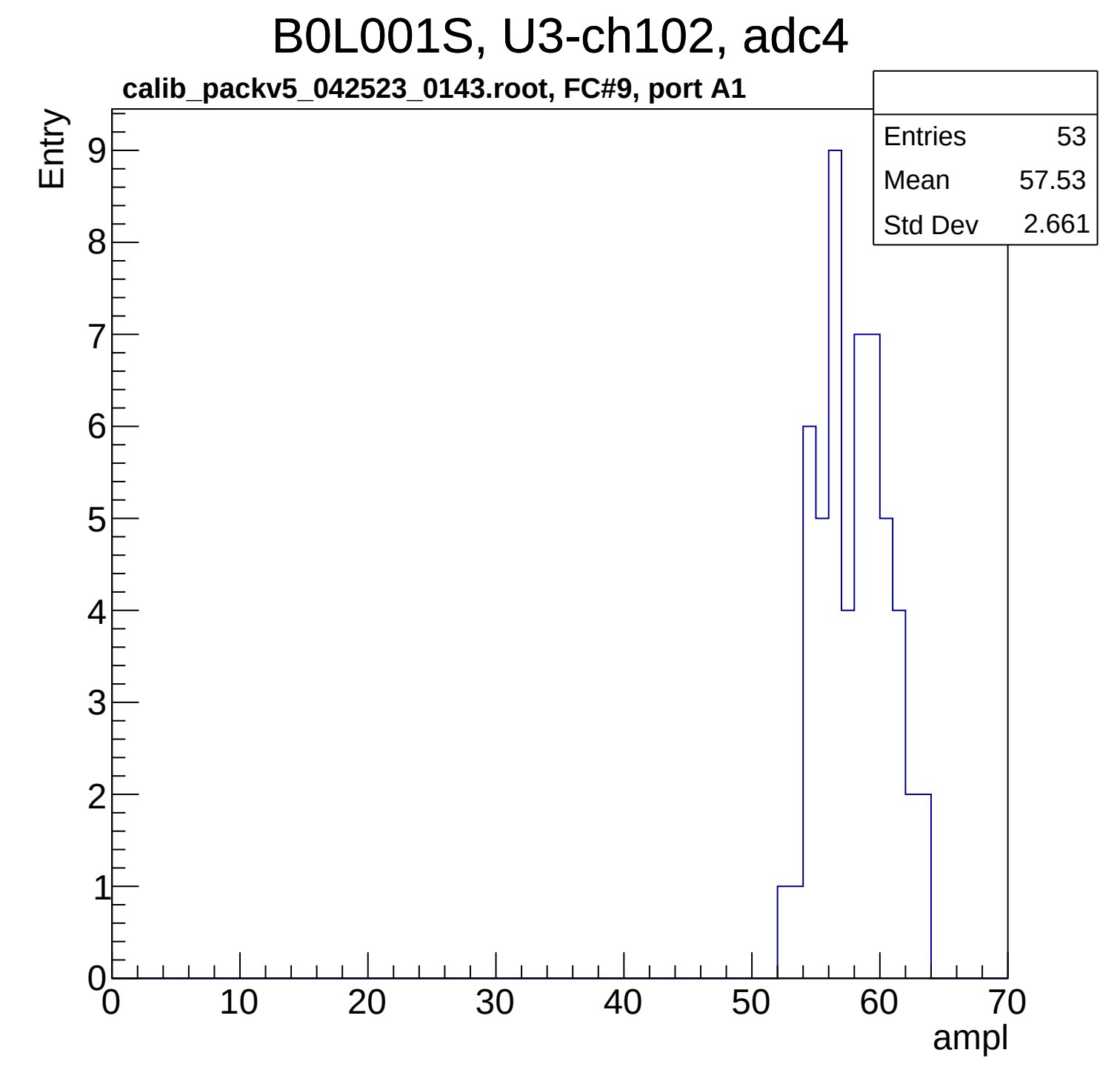

B0L001S, U3-ch101, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

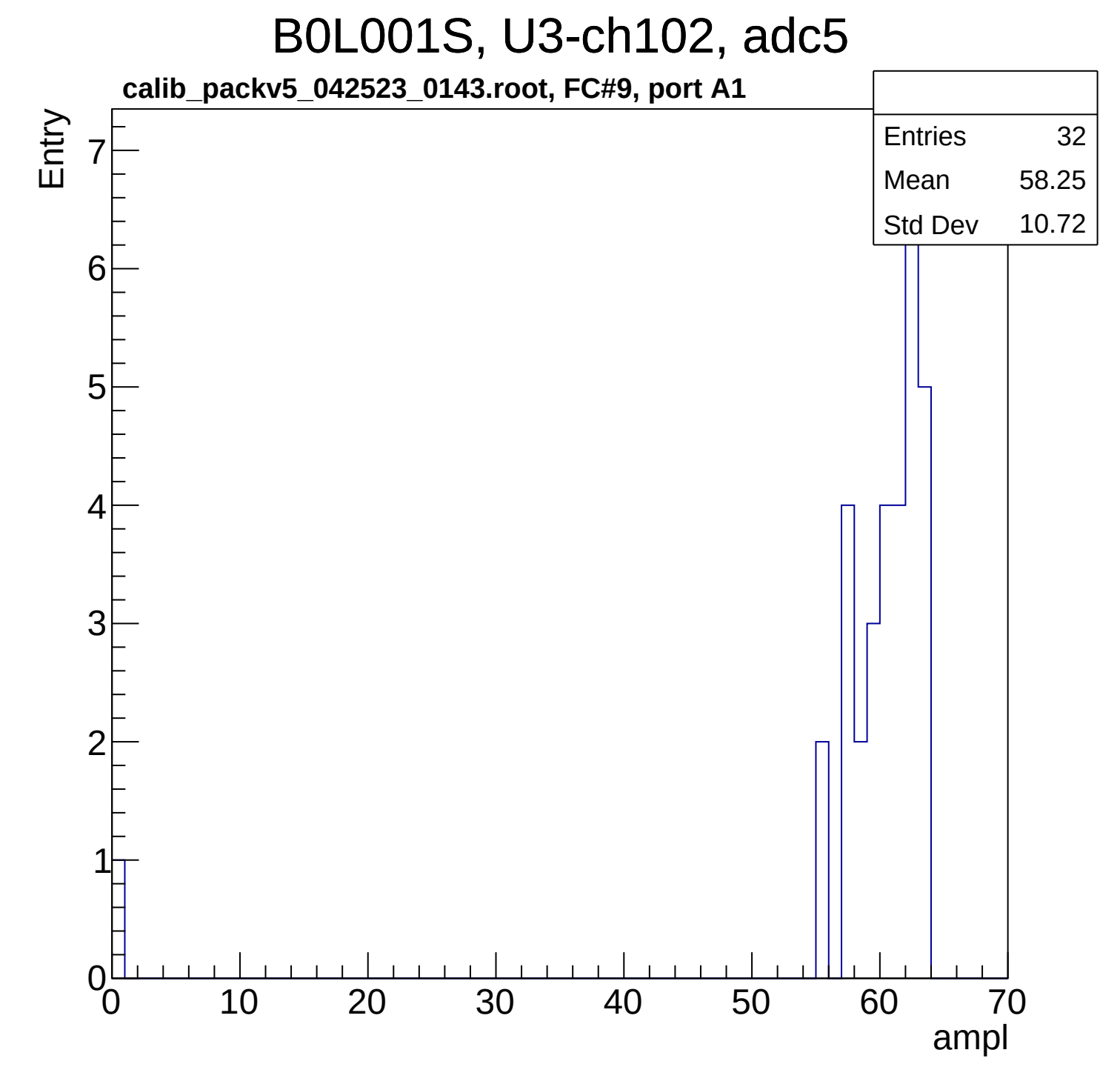

B0L001S, U3-ch102, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 31.02
Std Dev 3.462
Gaus mean : 31.6325
Gaus Width: 3.8958
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

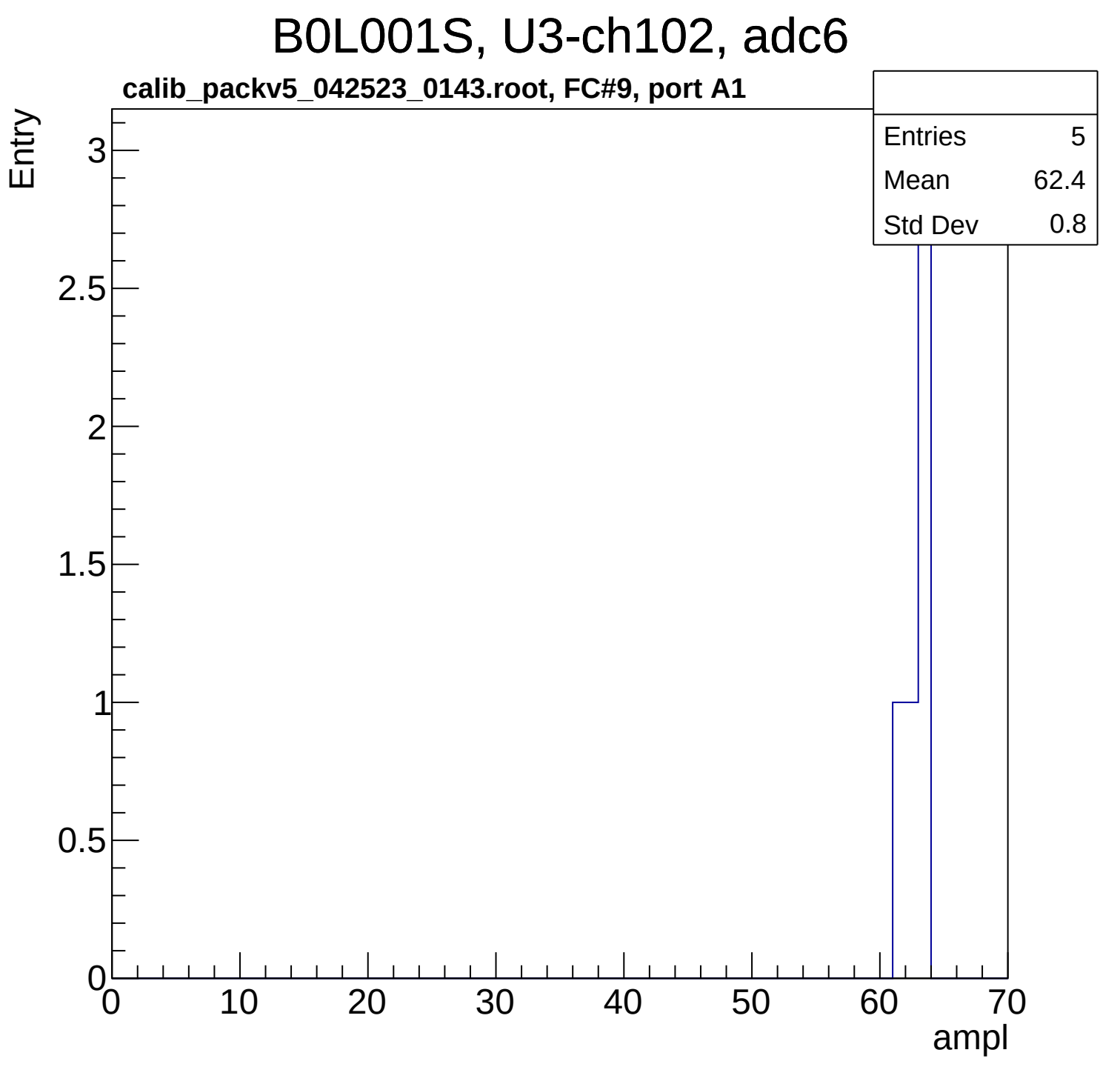

B0L001S, U3-ch102, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 37.61
Std Dev 3.873
Gaus mean : 38.6104
Gaus Width: 3.7657
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

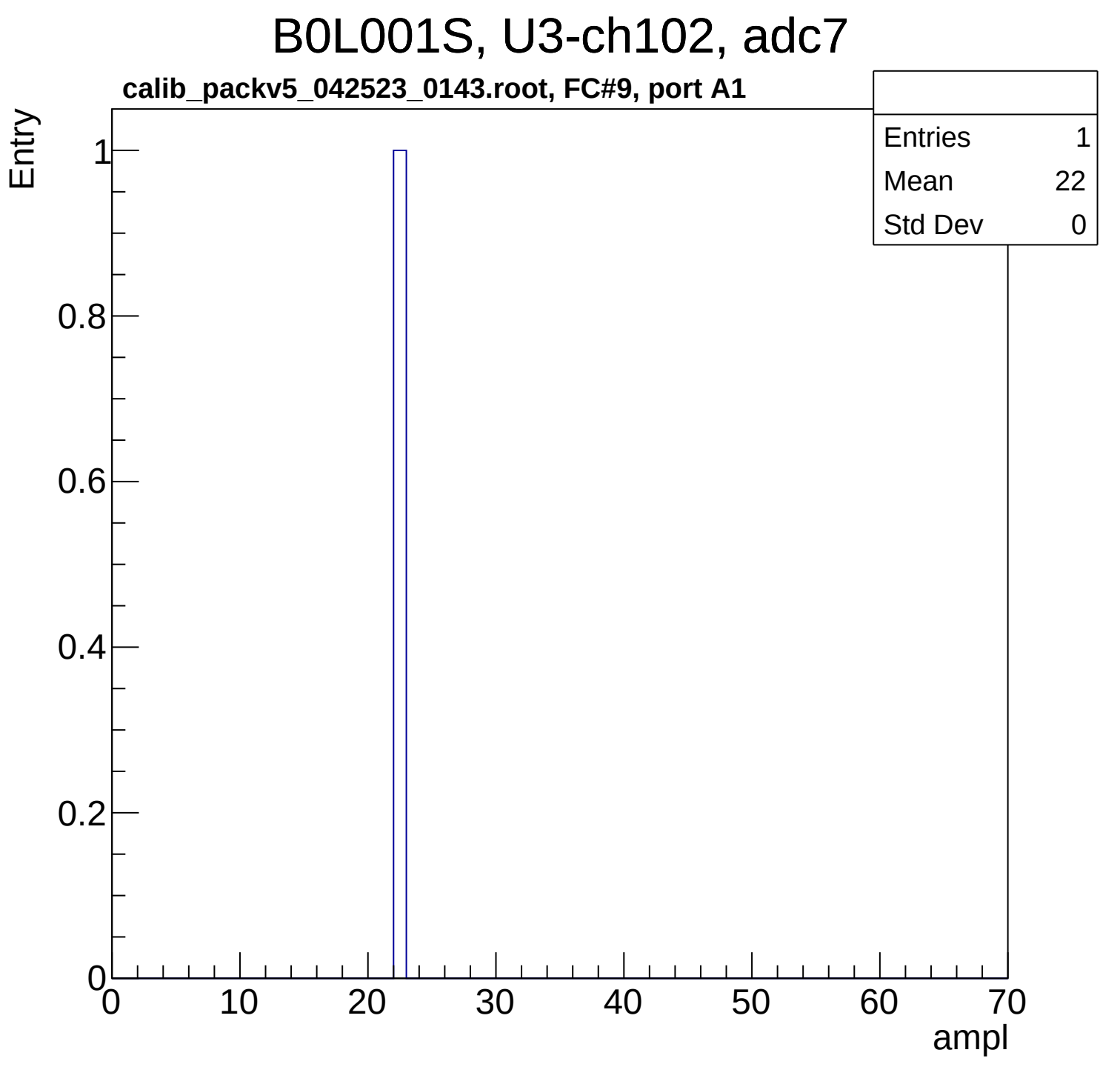

B0L001S, U3-ch102, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 43.82
Std Dev 3.49
Gaus mean : 44.8392
Gaus Width: 3.9744
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch102, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 51.2
Std Dev 3.232
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch102, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 57.53
Std Dev 2.661
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch102, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 58.25
Std Dev 10.72
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch102, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 62.4
Std Dev 0.8
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch102, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 22
Std Dev 0
Entry
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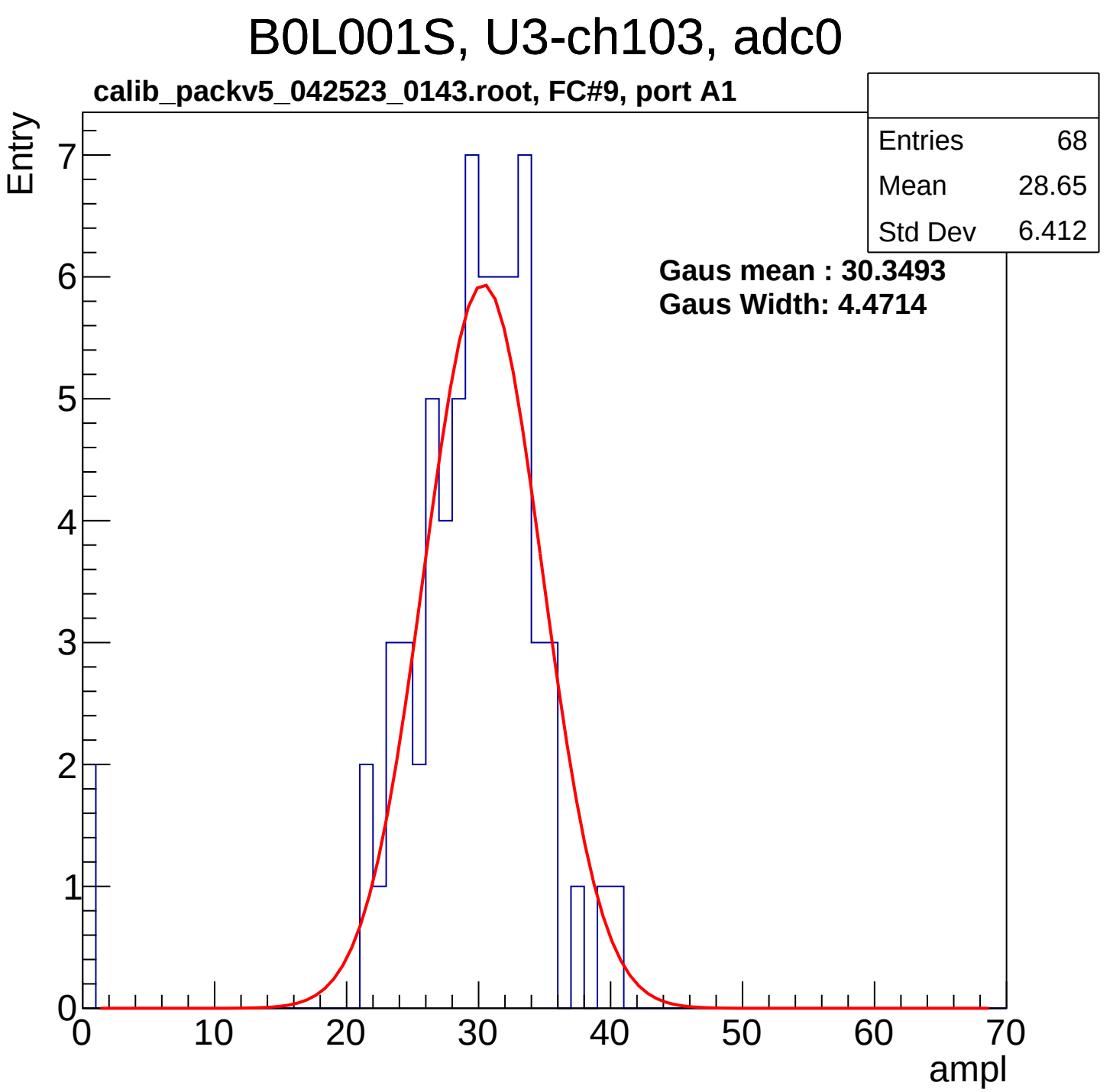
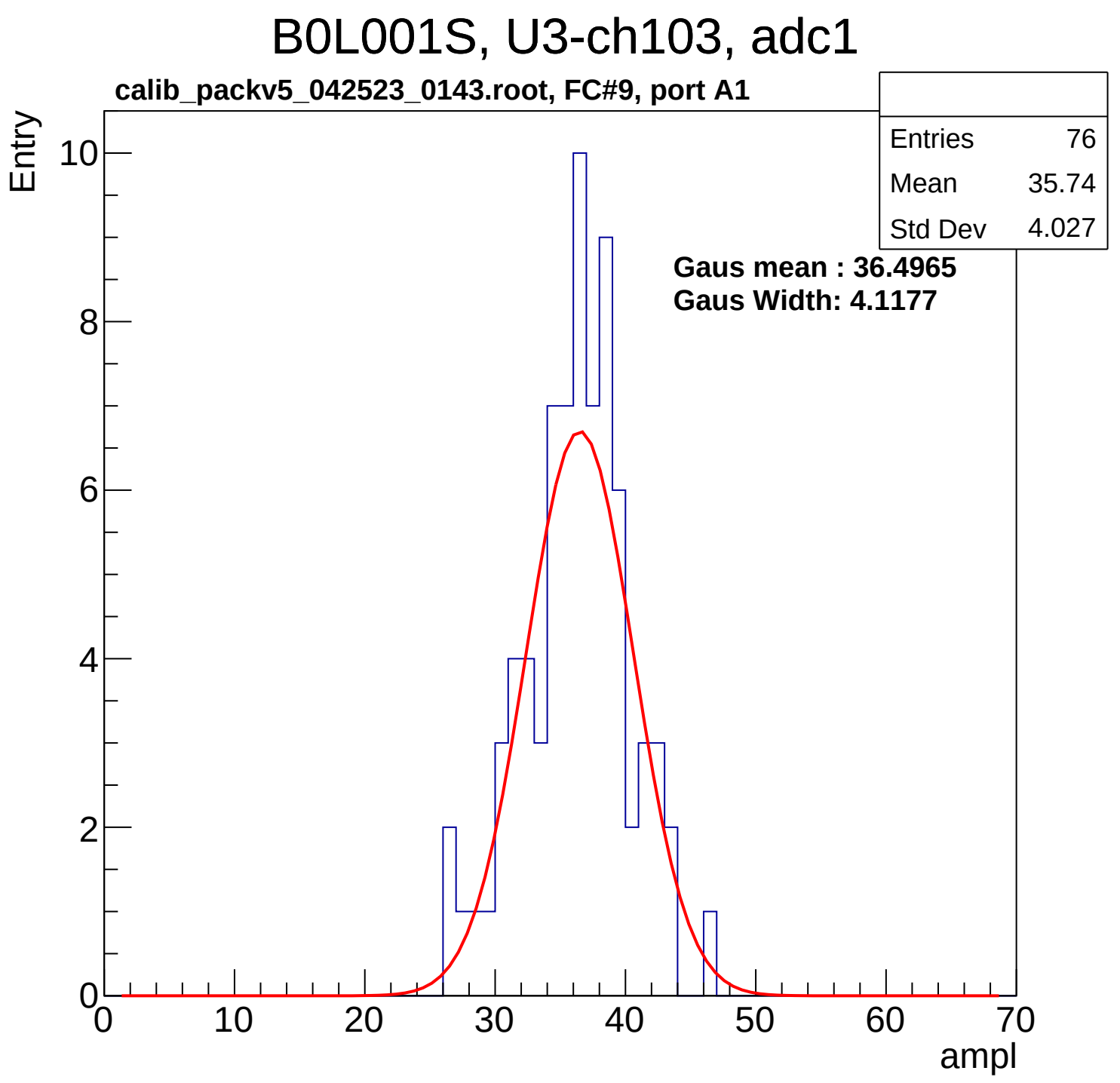
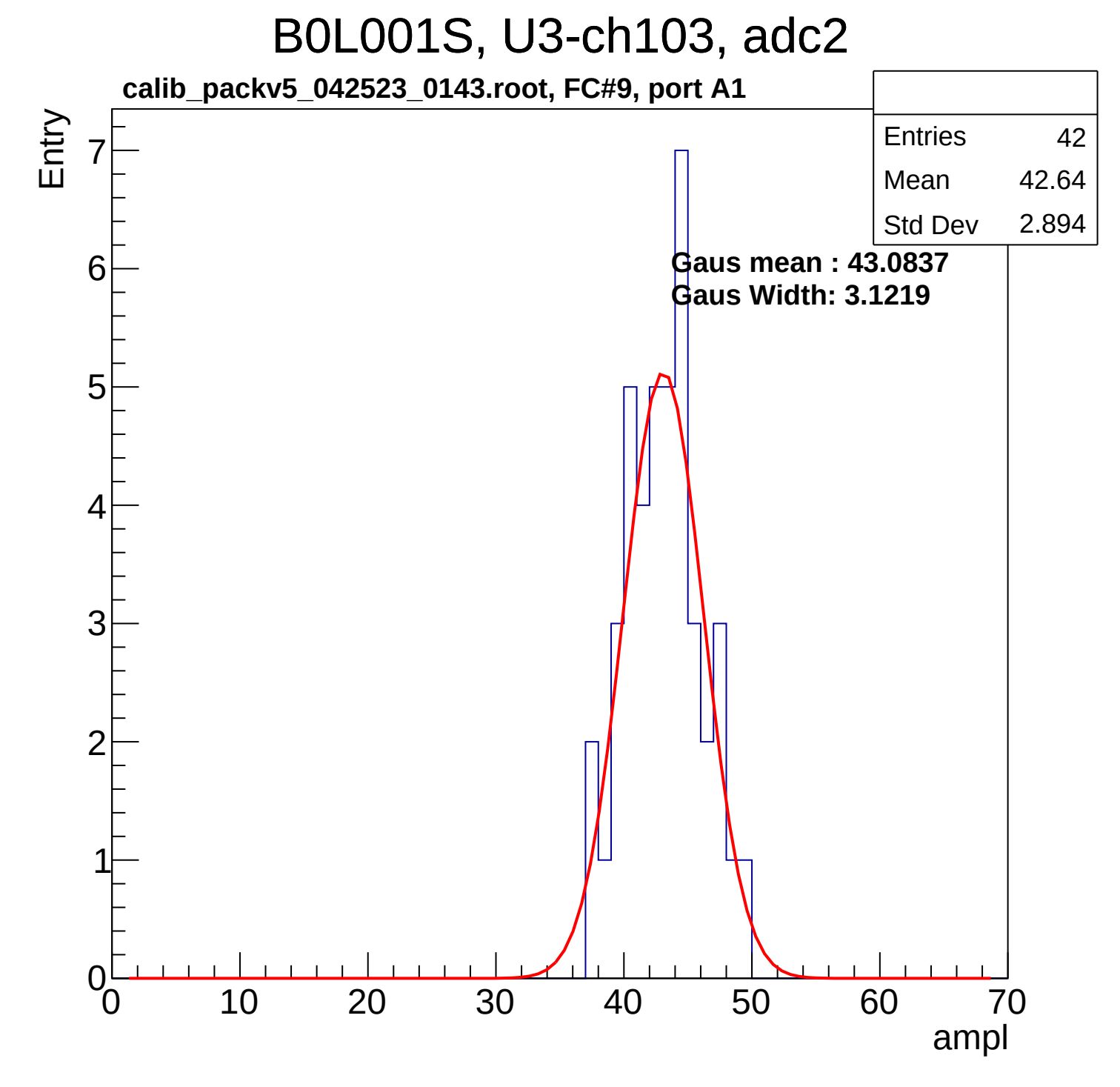
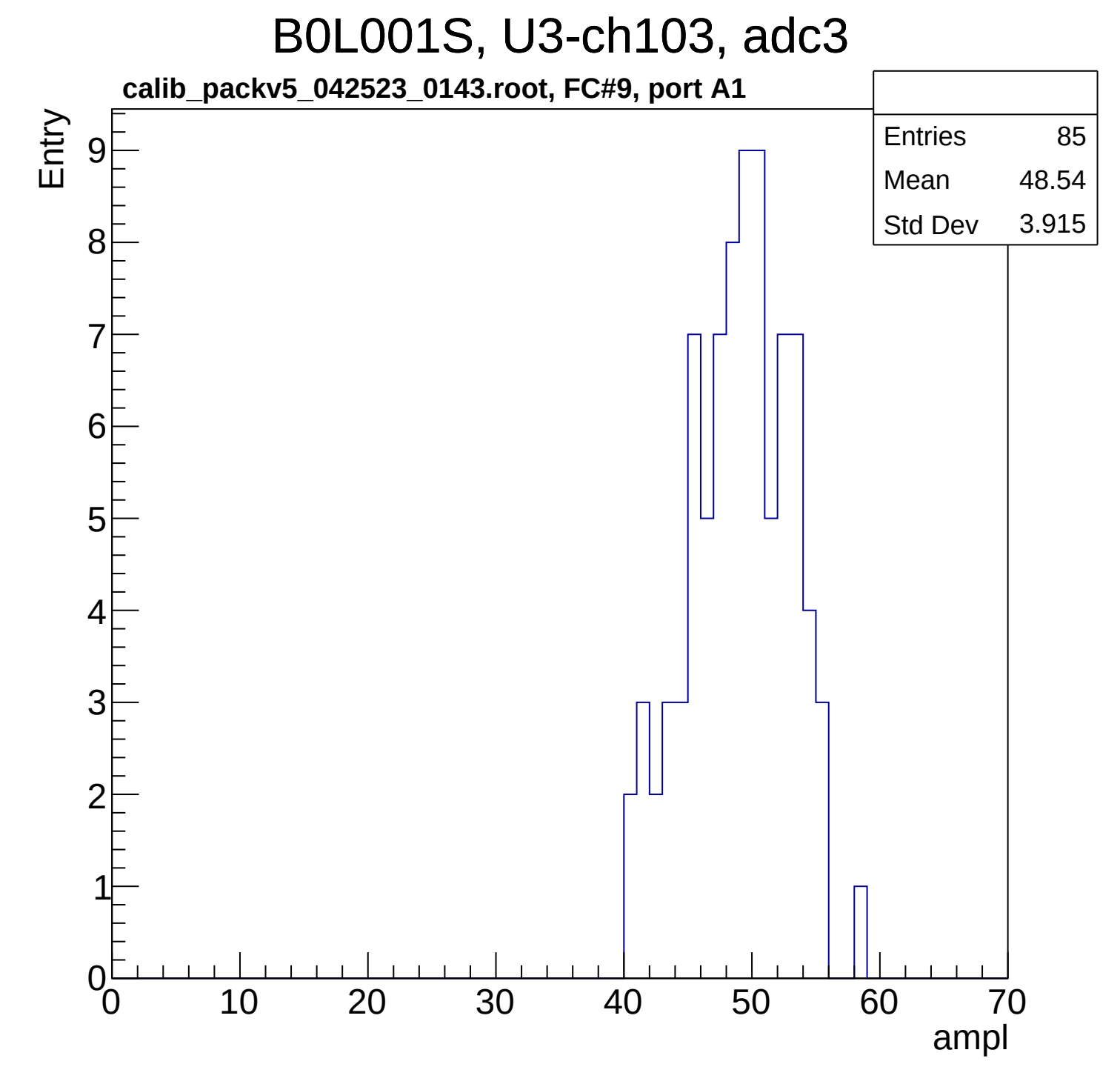
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch103, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 28.65
Std Dev 6.412
Gaus mean : 30.3493
Gaus Width: 4.4714
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch103, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 35.74
Std Dev 4.027
Gaus mean : 36.4965
Gaus Width: 4.1177
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch103, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 42.64
Std Dev 2.894
Gaus mean : 43.0837
Gaus Width: 3.1219
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch103, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 85
Mean 48.54
Std Dev 3.915
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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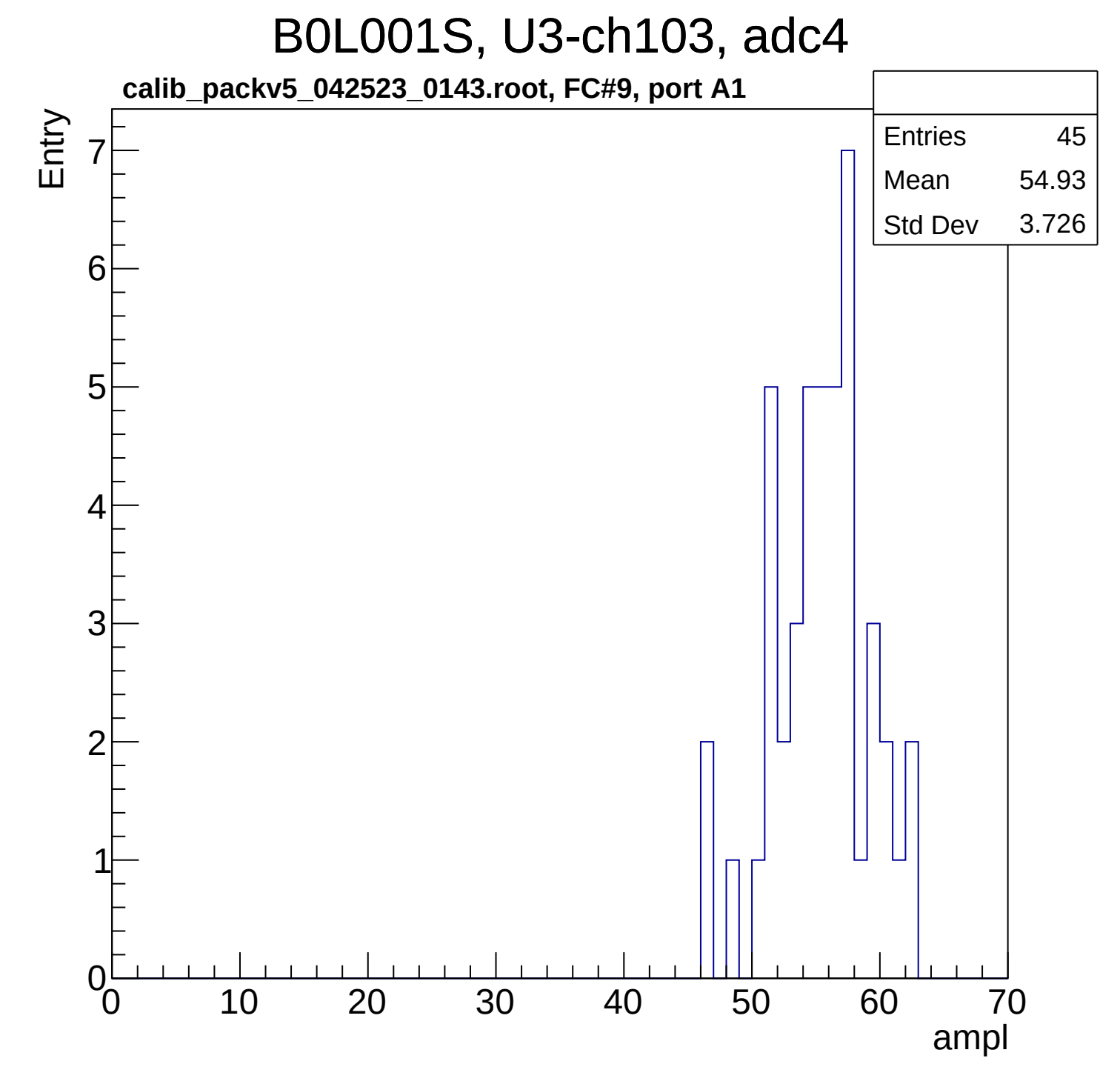
B0L001S, U3-ch103, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 54.93
Std Dev 3.726
Entry
ampl
0
1
2
3
4
5
6
7
0
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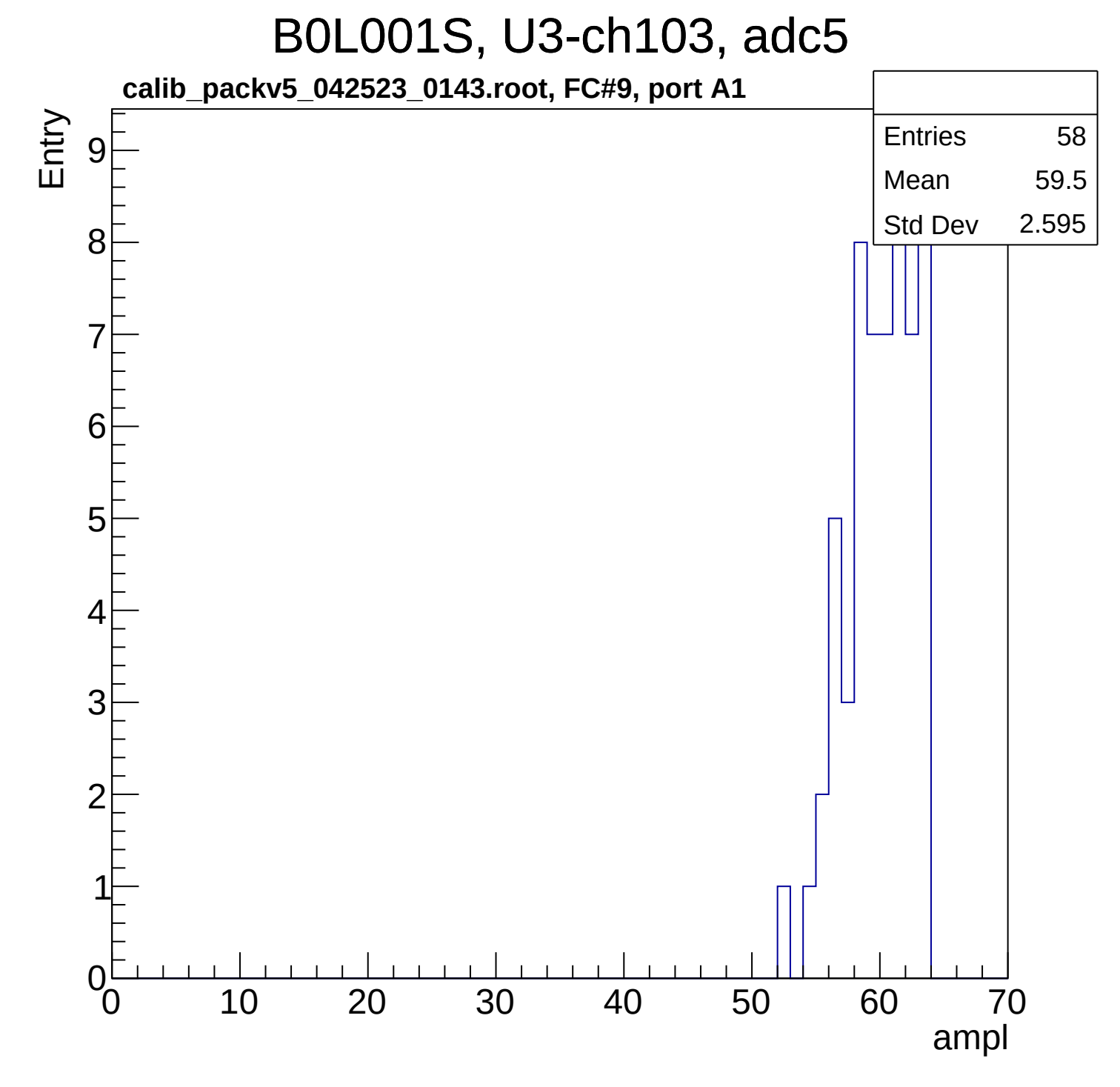
B0L001S, U3-ch103, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 59.5
Std Dev 2.595
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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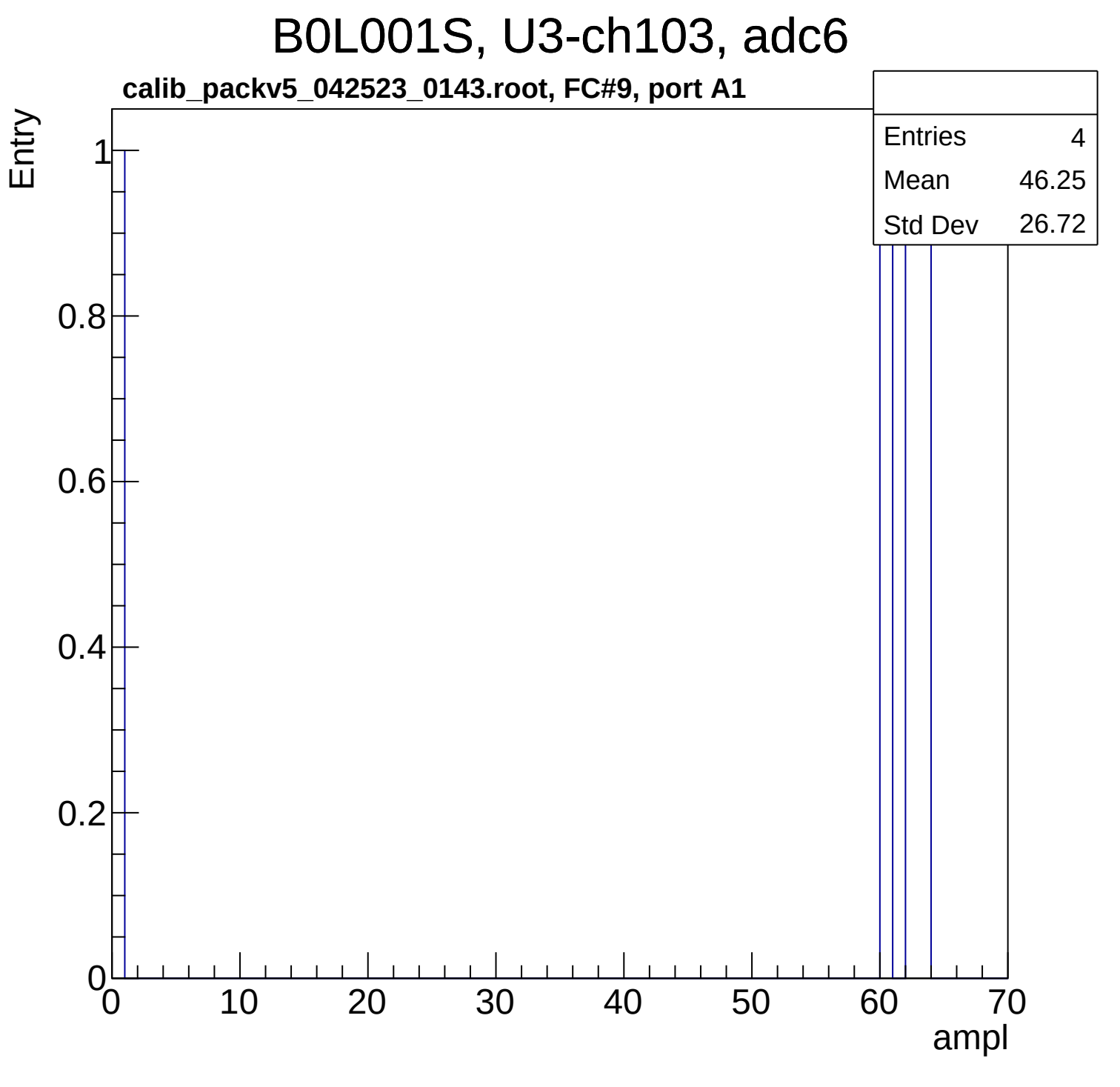
B0L001S, U3-ch103, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 46.25
Std Dev 26.72
Entry
1
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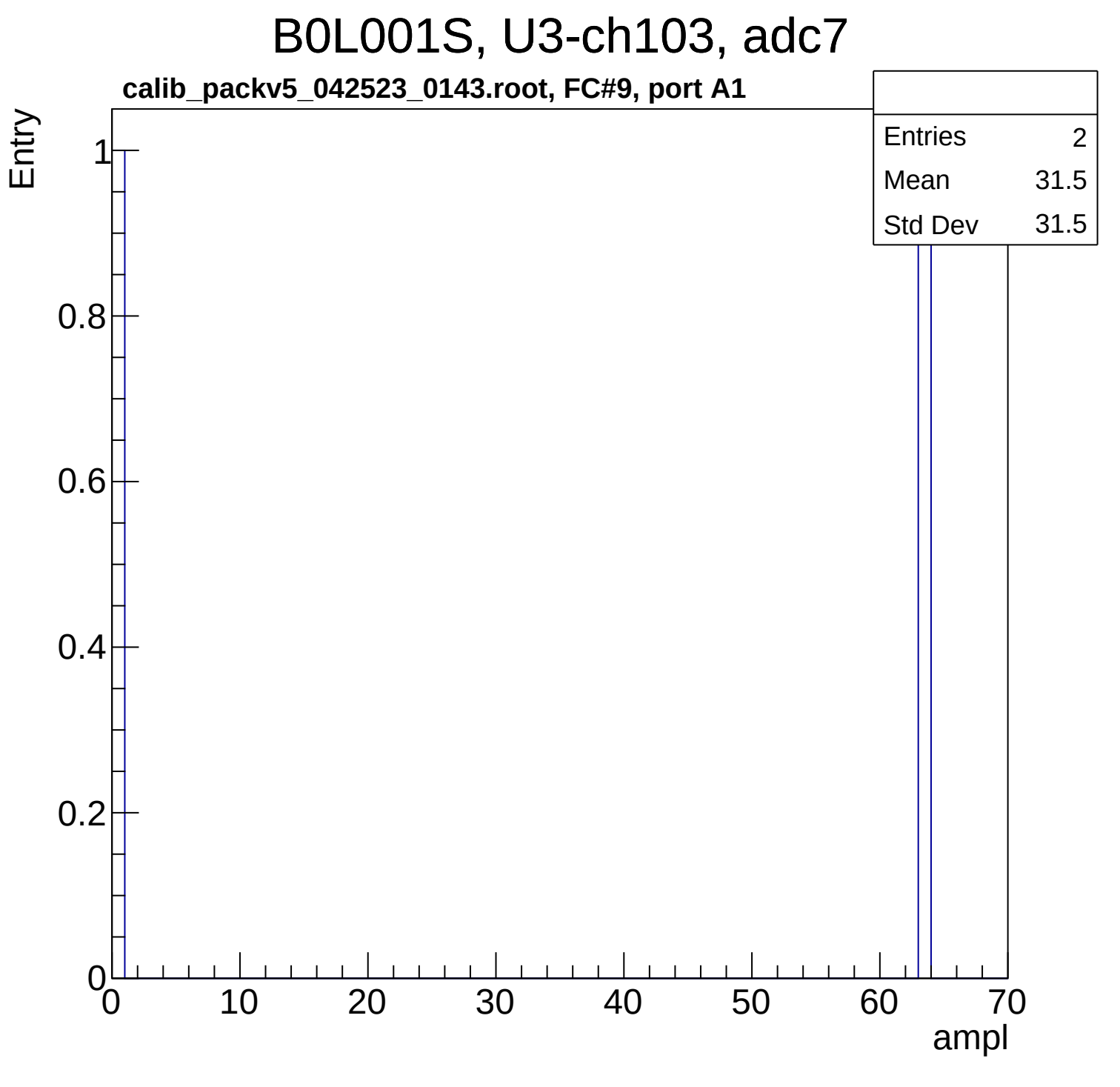
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch103, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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
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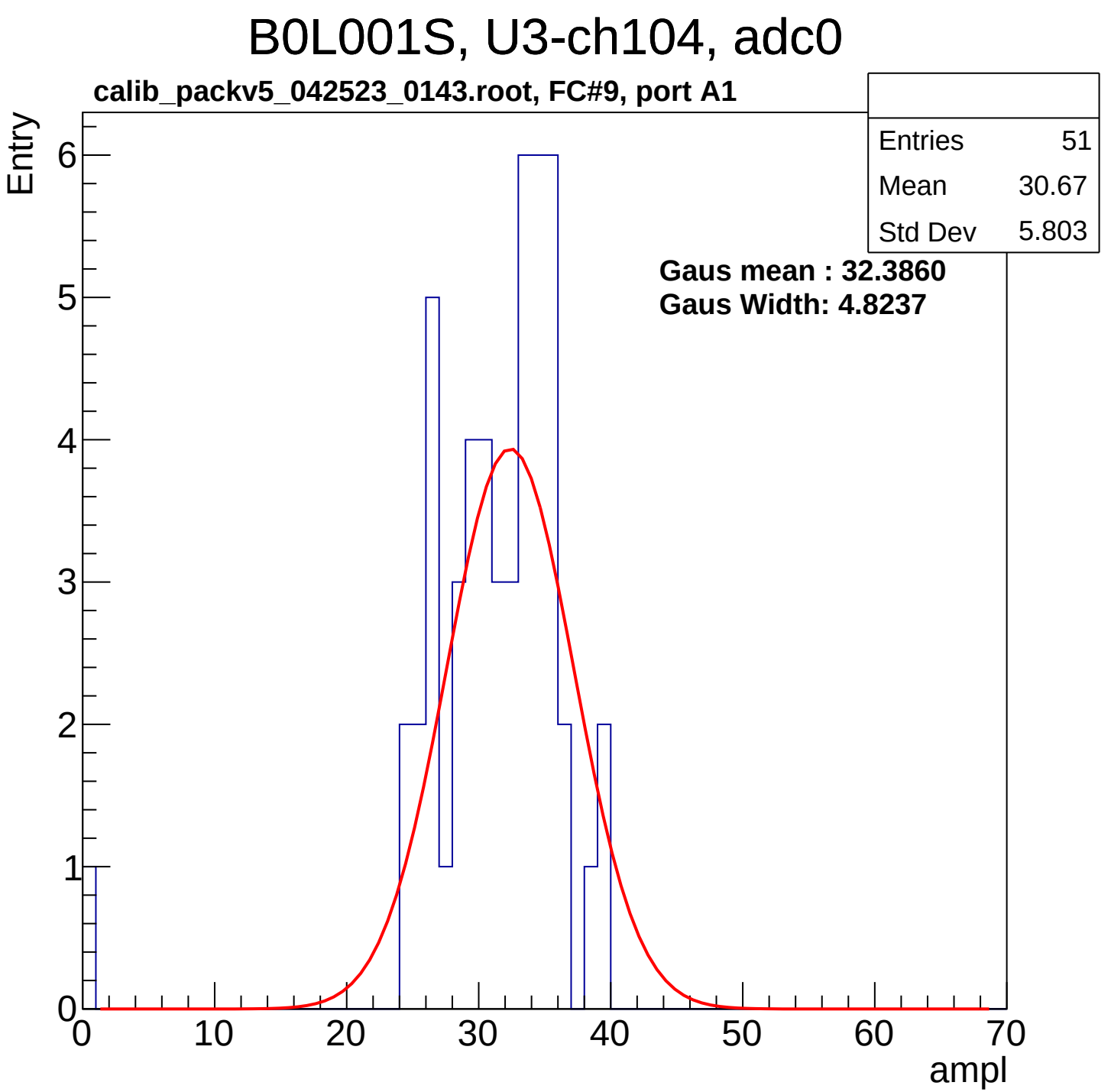
50
60
70
ampl


B0L001S, U3-ch104, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 30.67
Std Dev 5.803
Gaus mean : 32.3860
Gaus Width: 4.8237
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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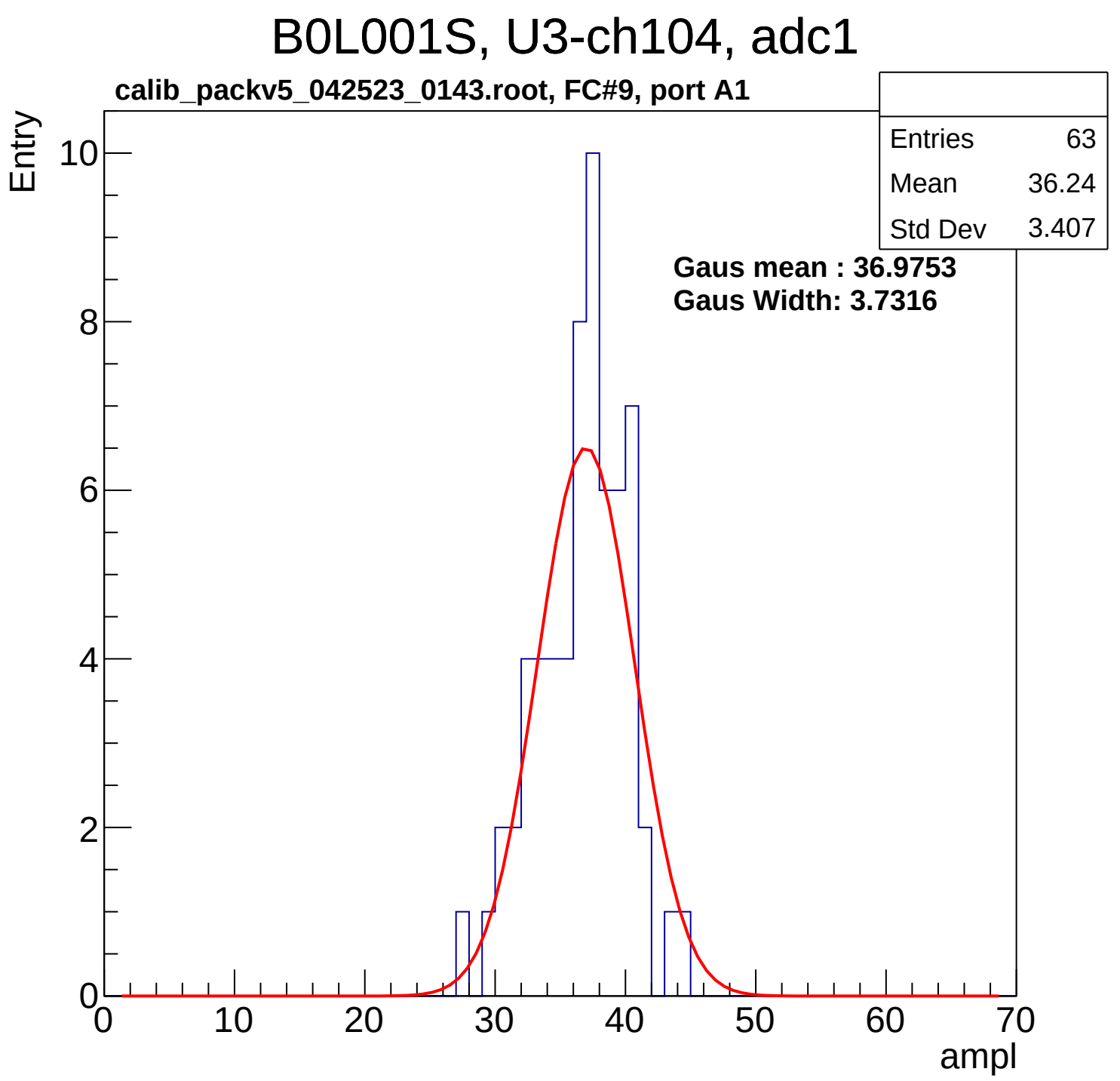
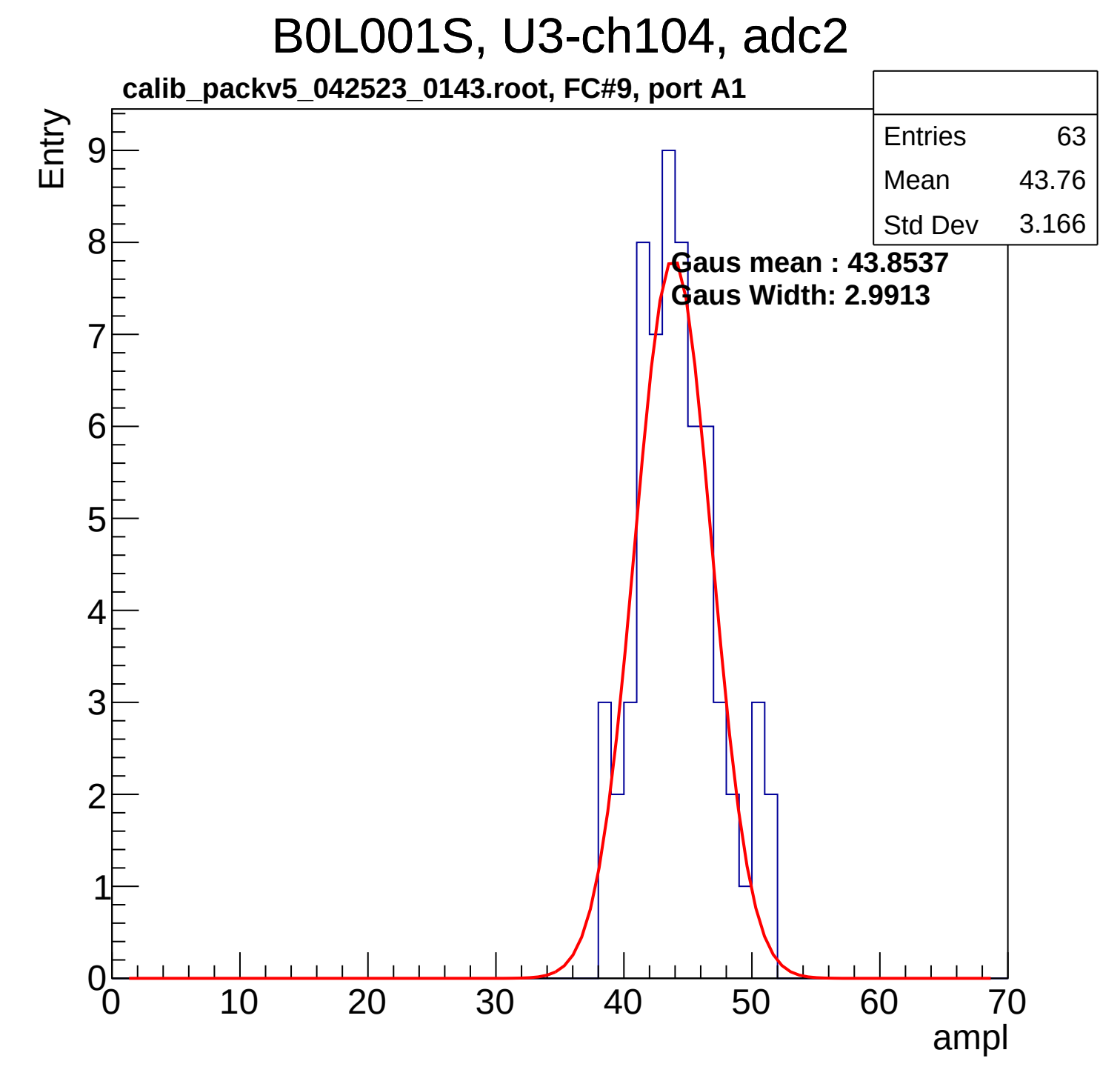

B0L001S, U3-ch104, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 36.24
Std Dev 3.407
Gaus mean : 36.9753
Gaus Width: 3.7316
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch104, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 43.76
Std Dev 3.166
Gaus mean : 43.8537
Gaus Width: 2.9913
Entry
ampl
0
1
2
3
4
5
6
7
8
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0
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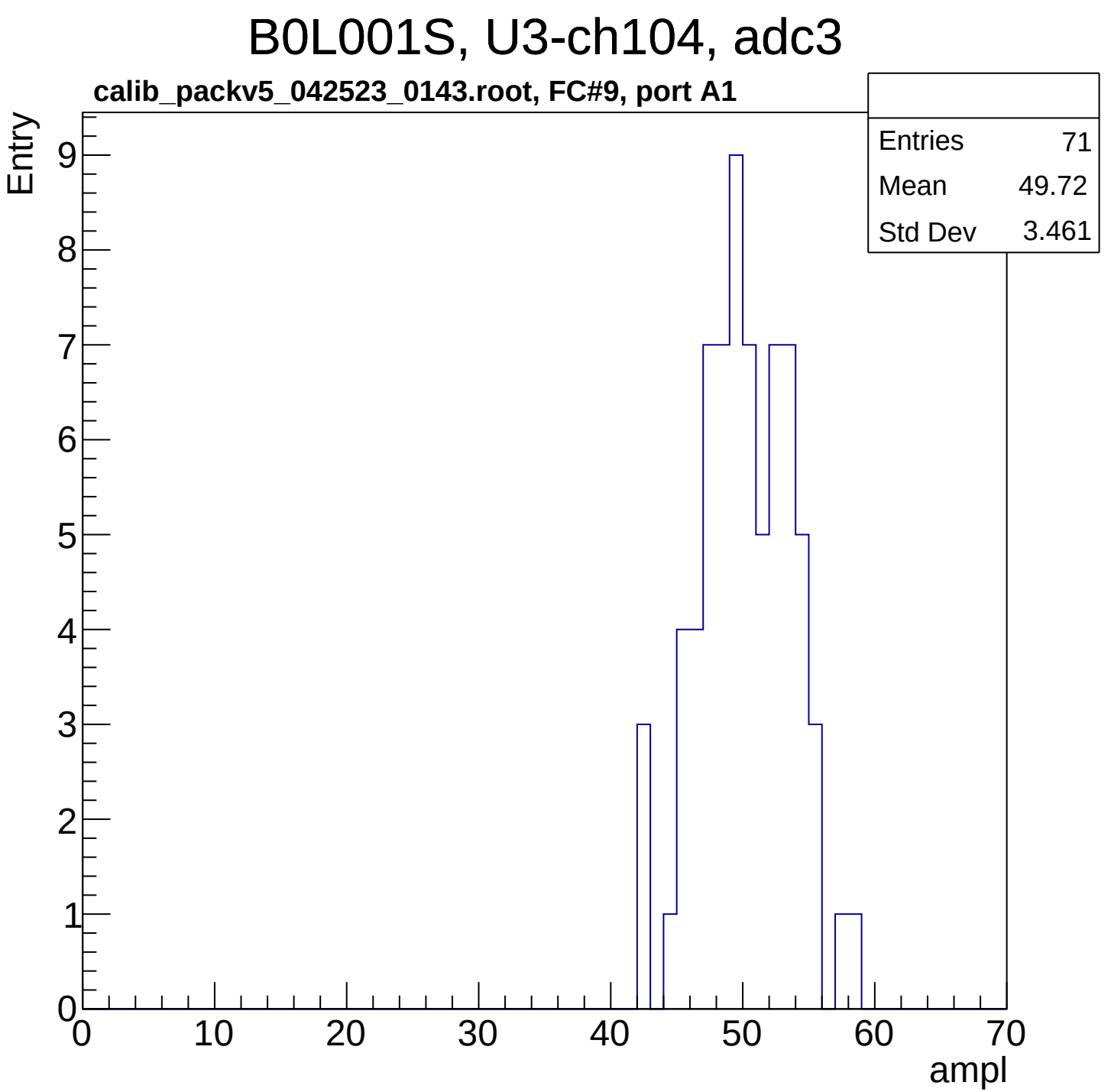
B0L001S, U3-ch104, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 49.72
Std Dev 3.461
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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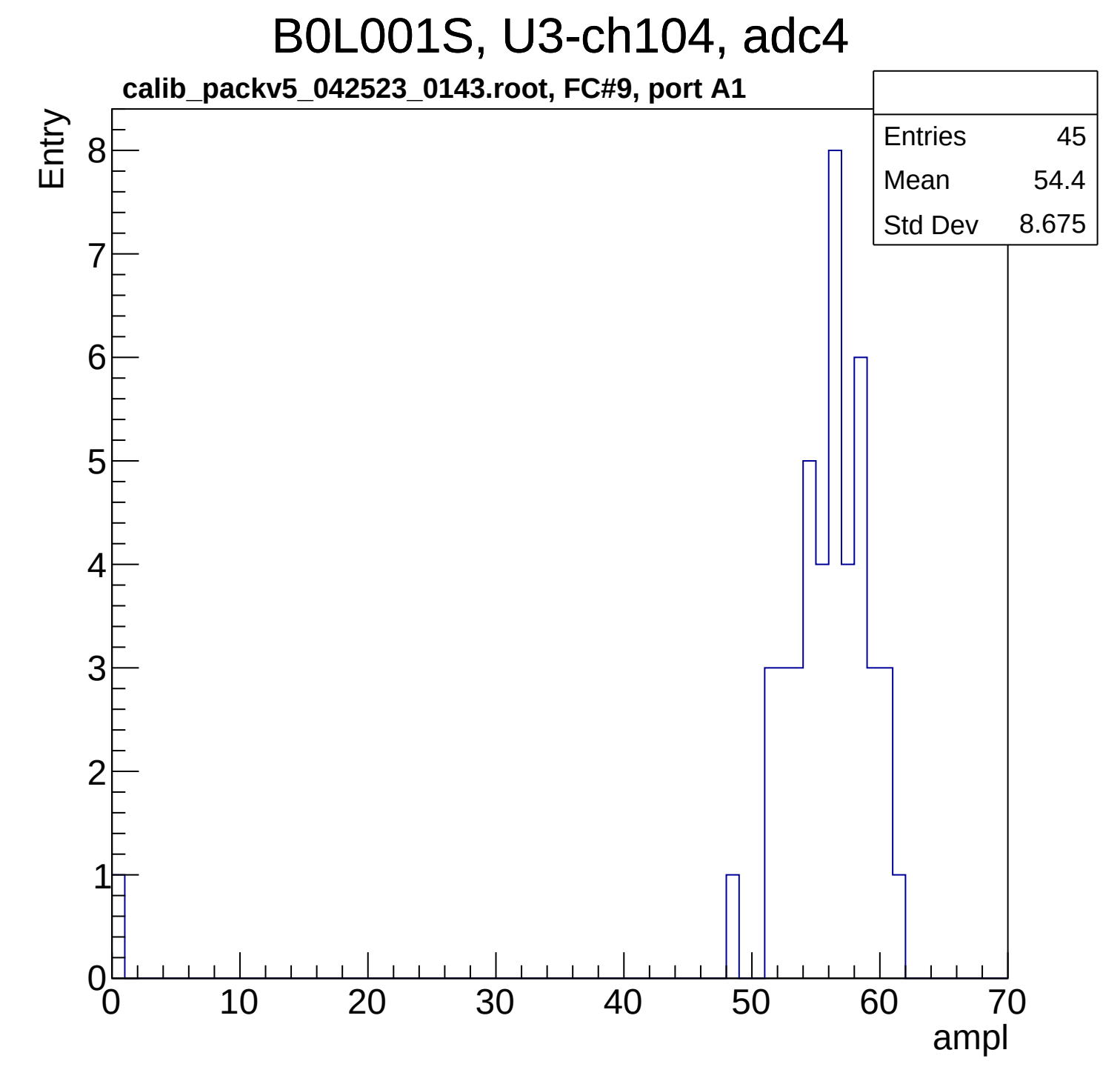
B0L001S, U3-ch104, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 54.4
Std Dev 8.675
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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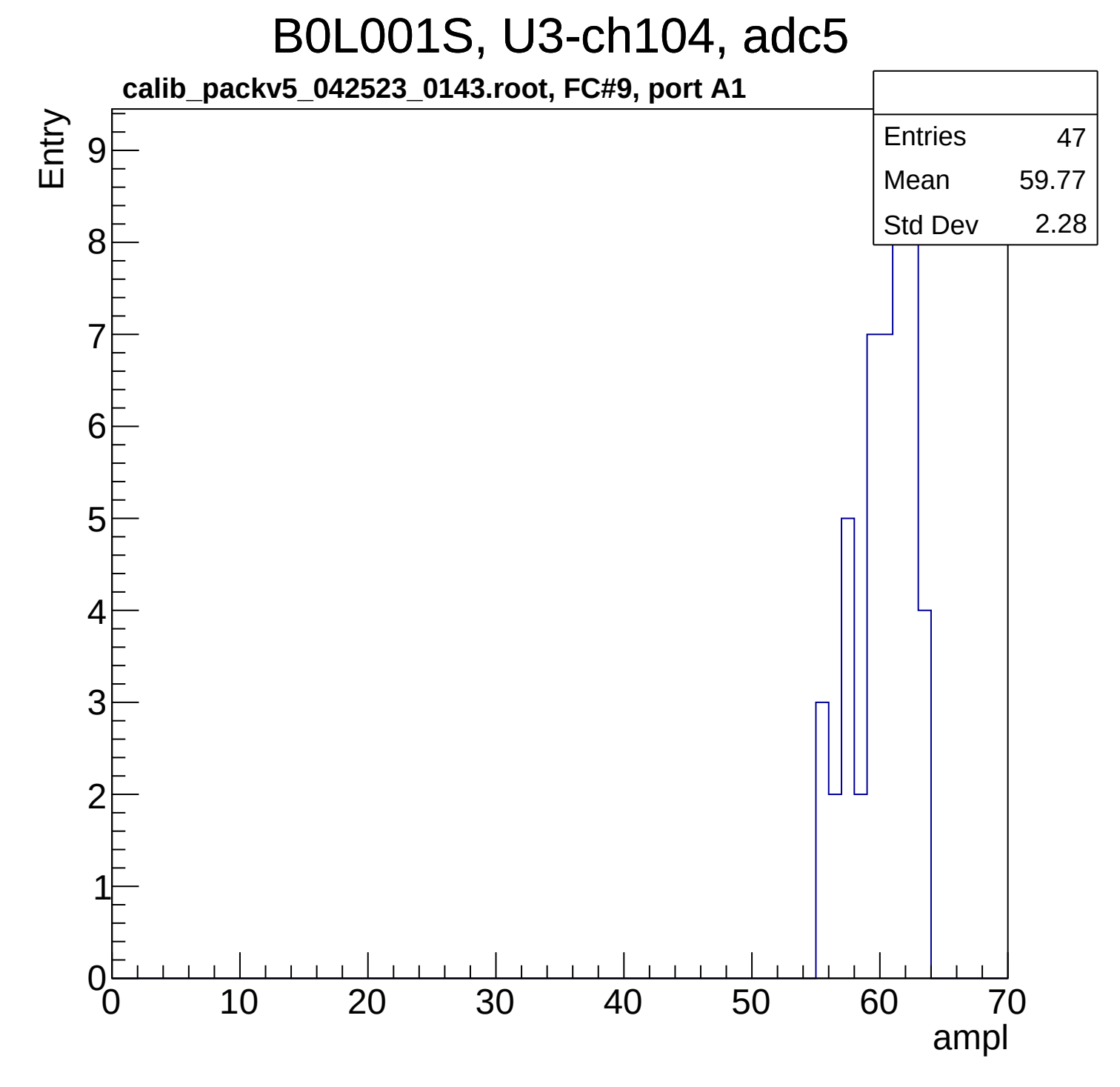
B0L001S, U3-ch104, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 59.77
Std Dev 2.28
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
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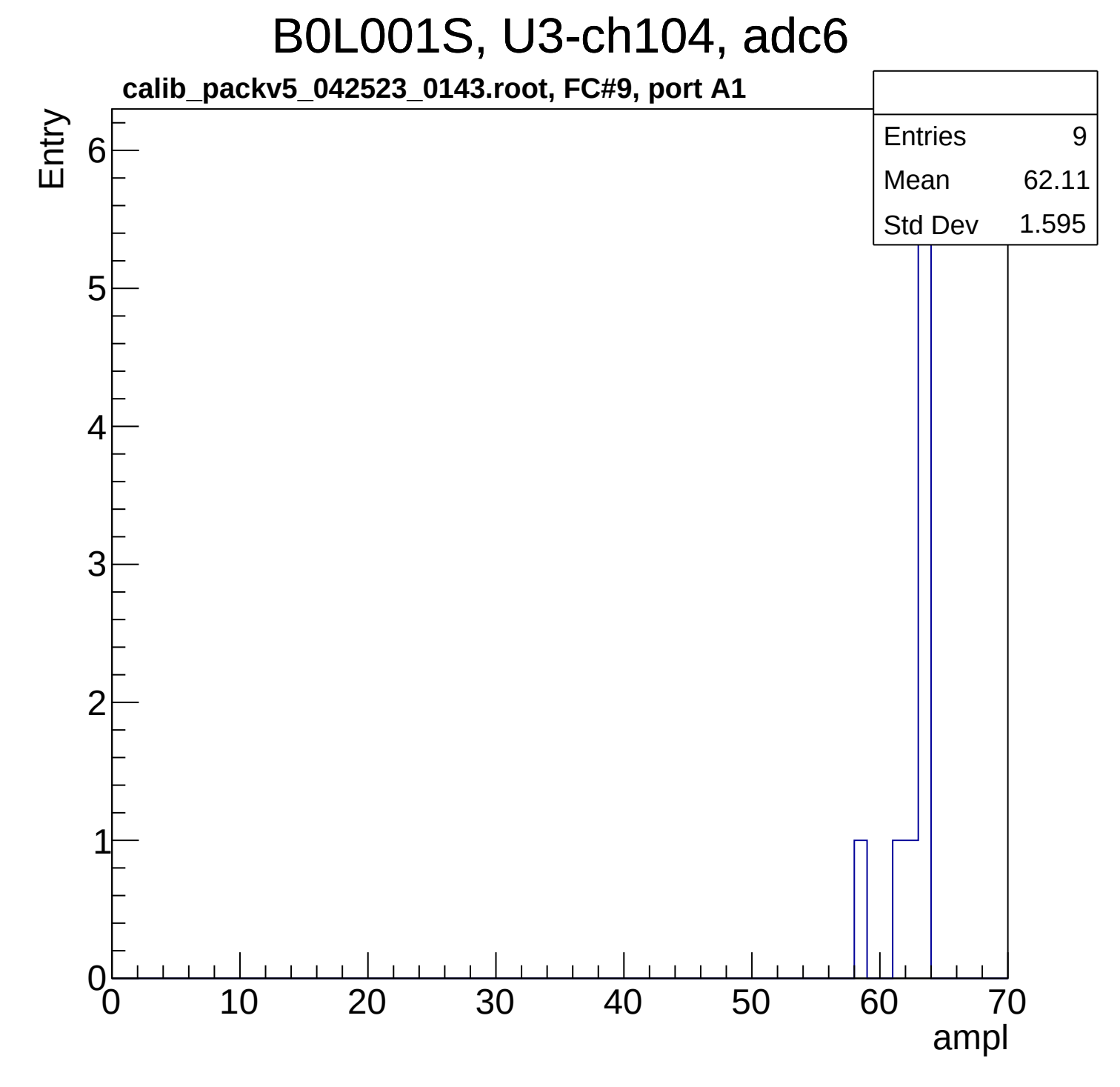
B0L001S, U3-ch104, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 9
Mean 62.11
Std Dev 1.595
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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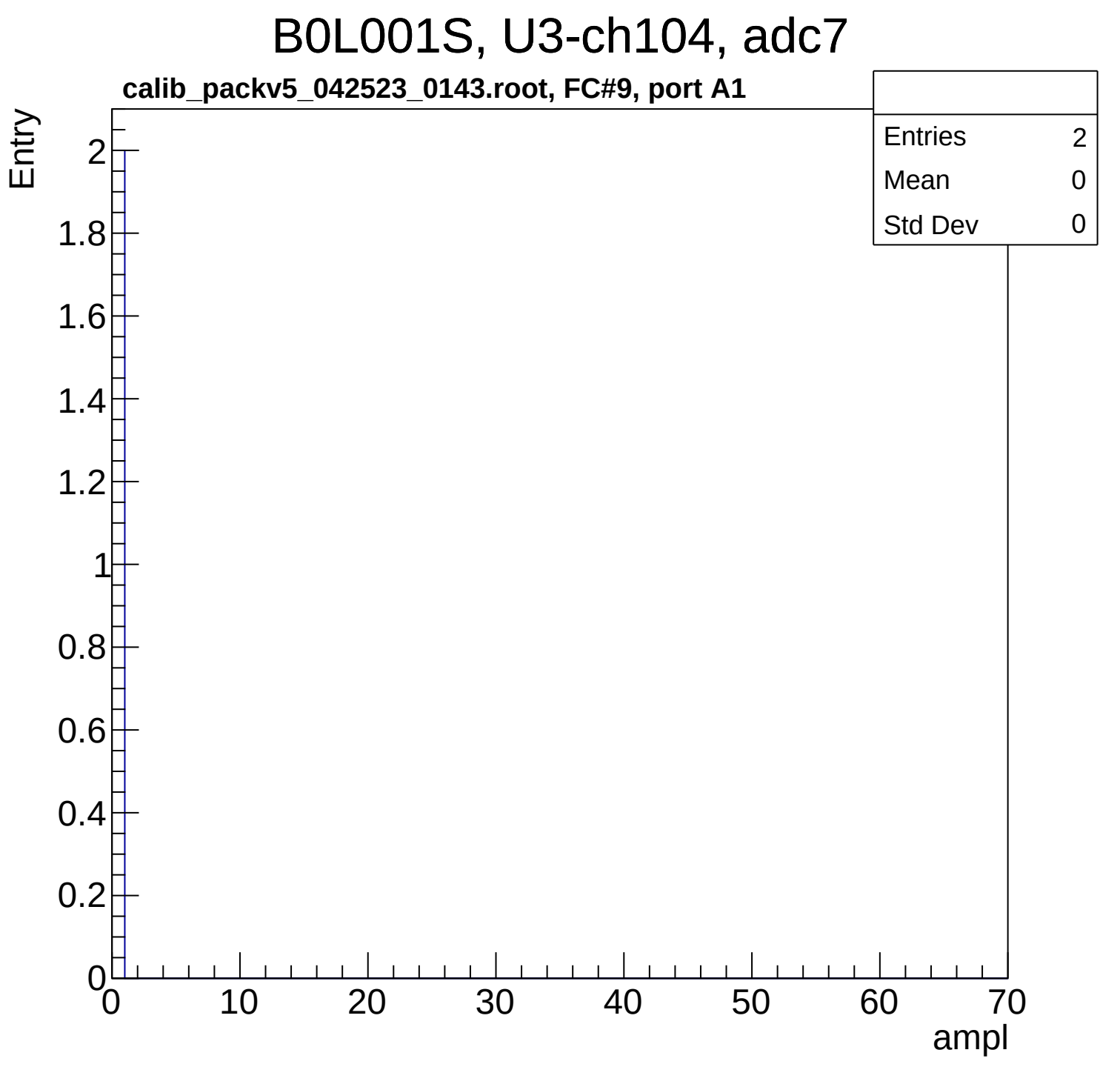
B0L001S, U3-ch104, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
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60
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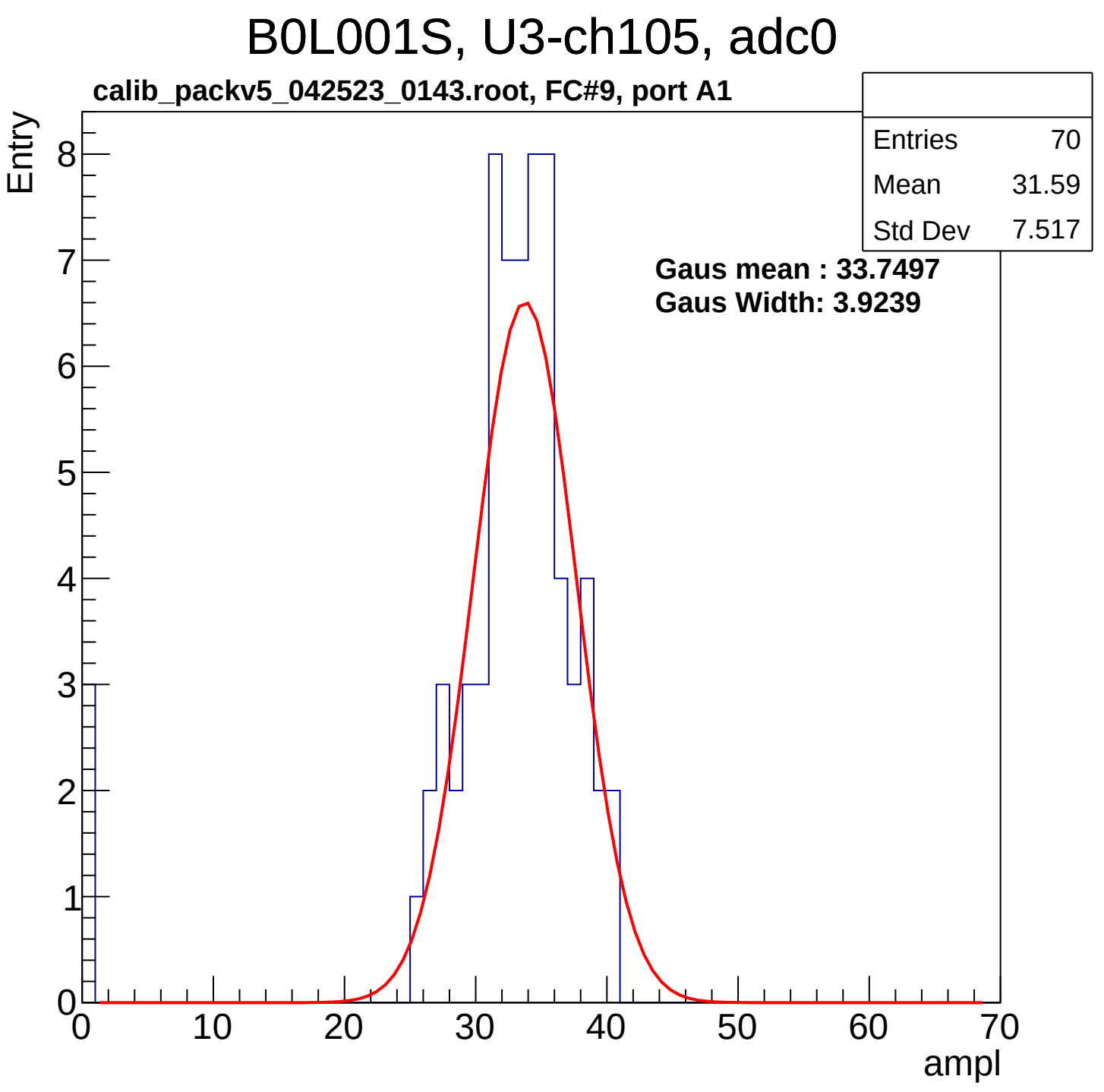
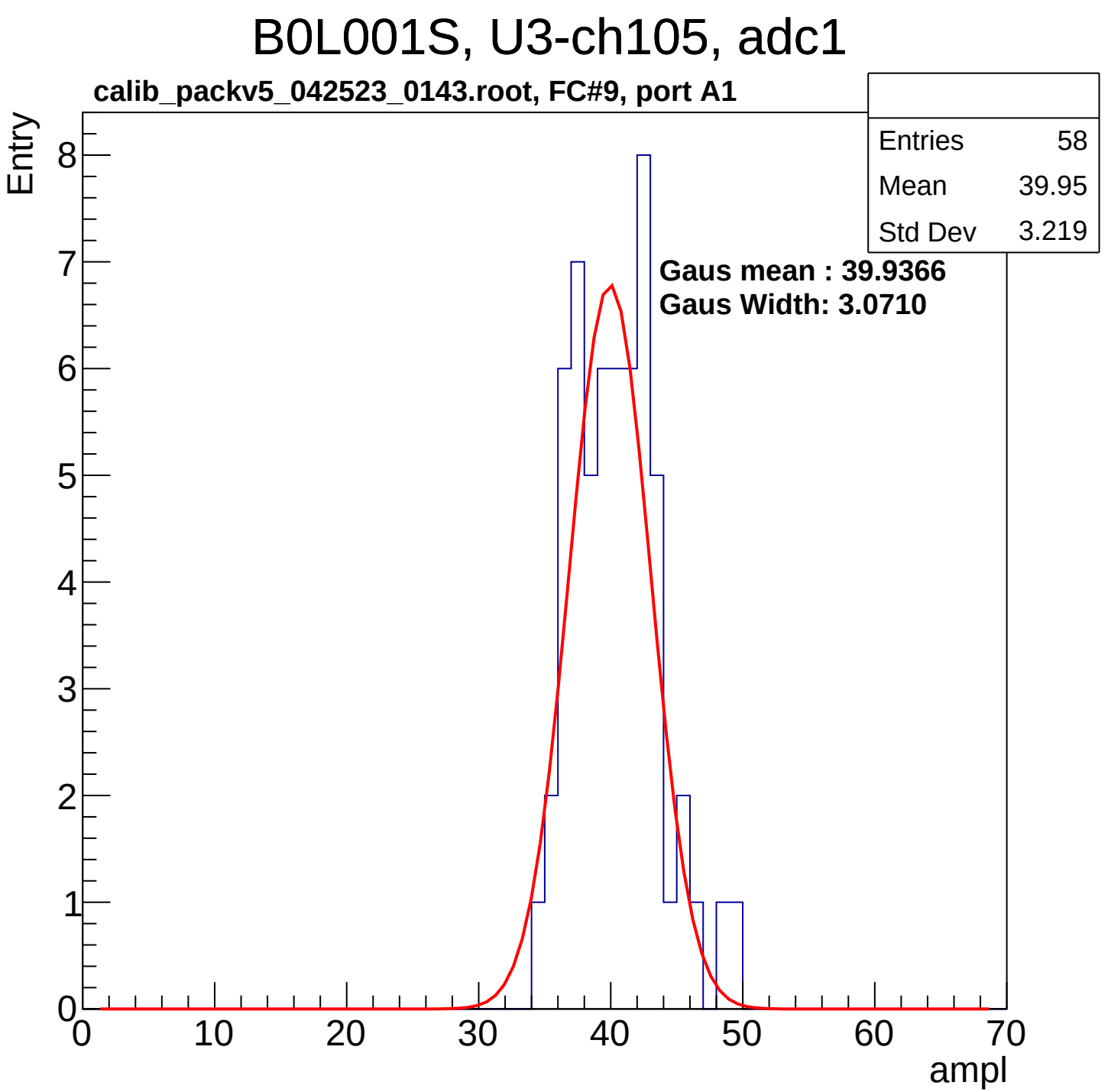

B0L001S, U3-ch105, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 31.59
Std Dev 7.517
Gaus mean : 33.7497
Gaus Width: 3.9239
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch105, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 39.95
Std Dev 3.219
Gaus mean : 39.9366
Gaus Width: 3.0710
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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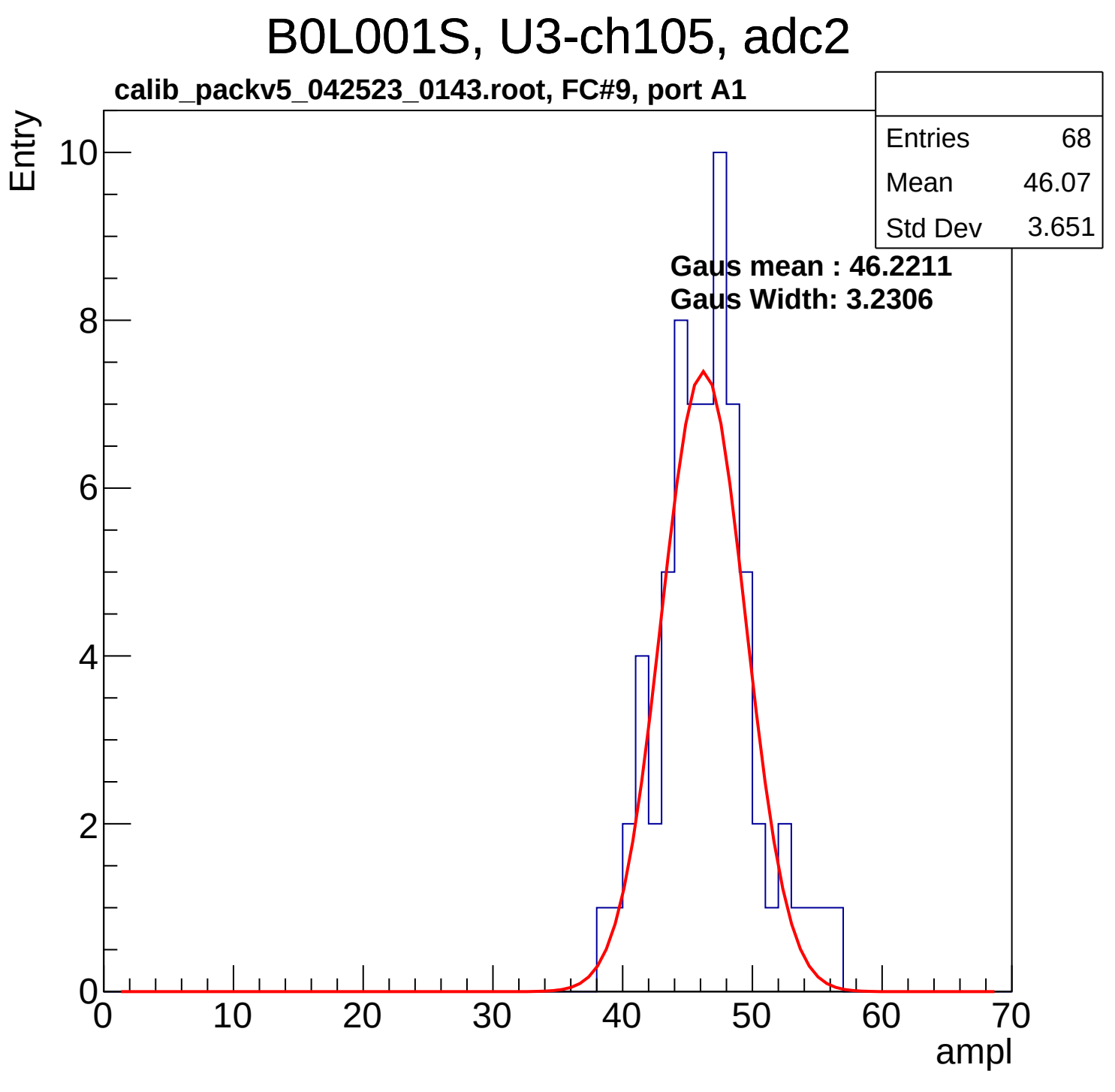
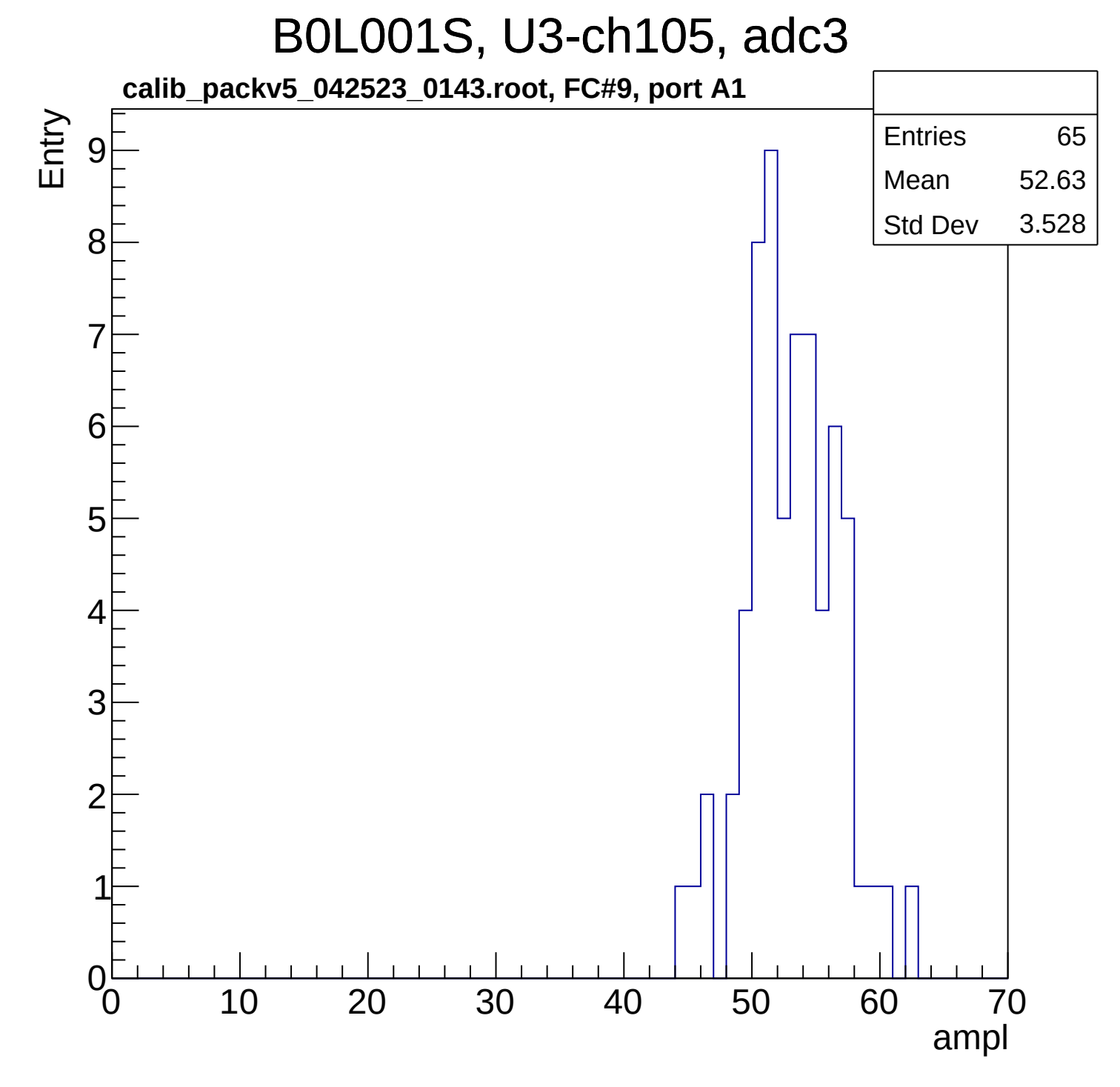
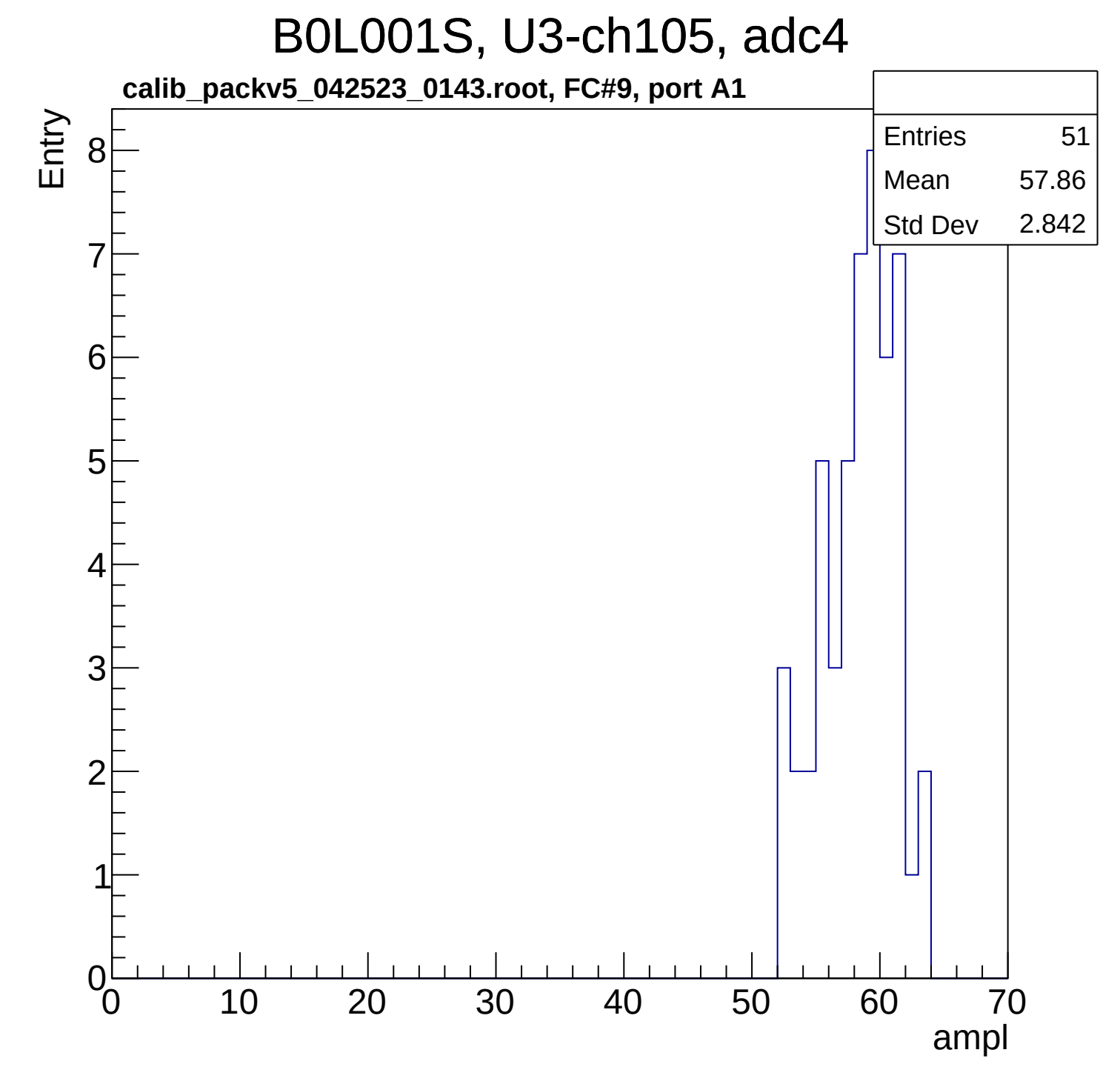
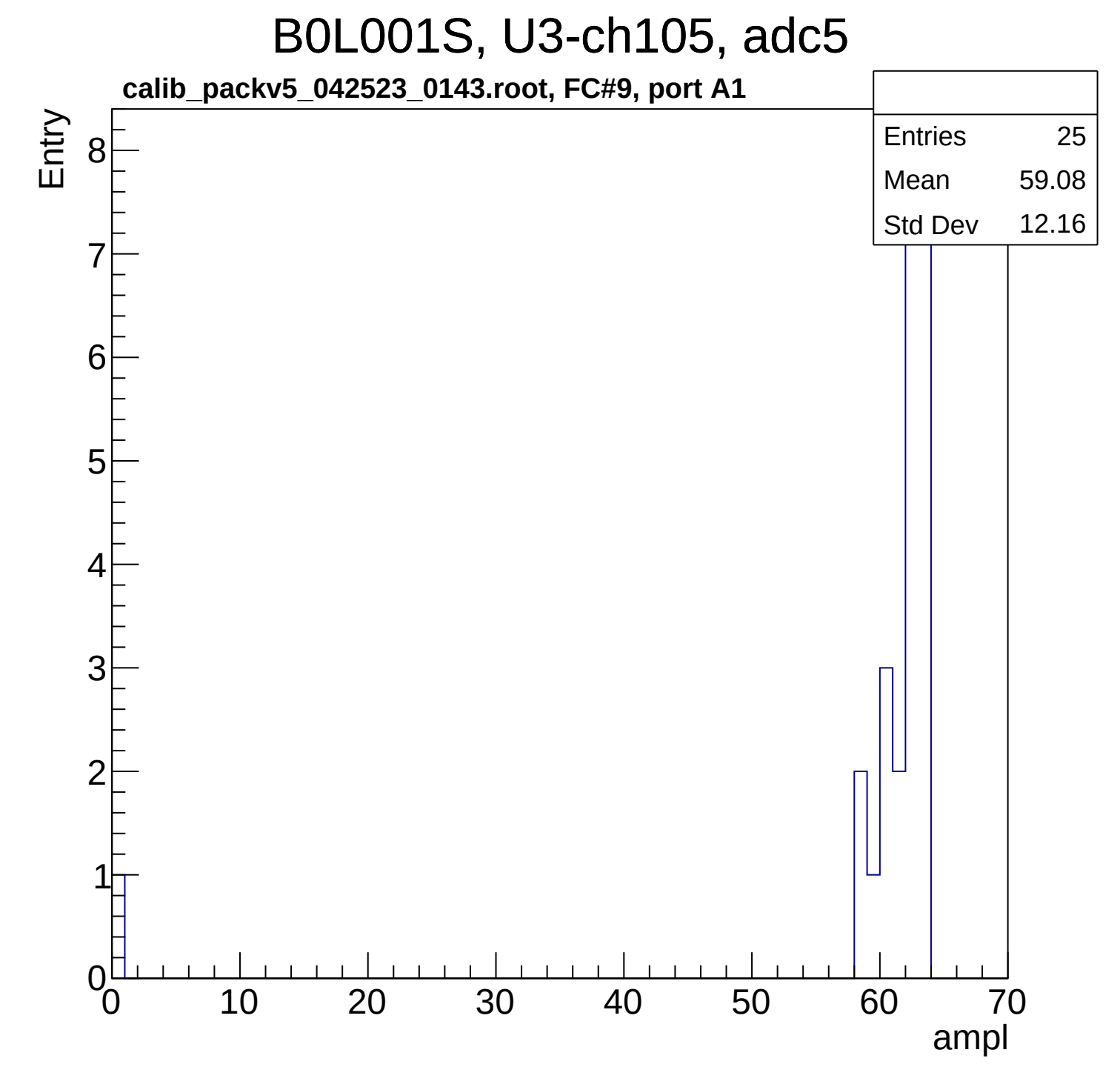
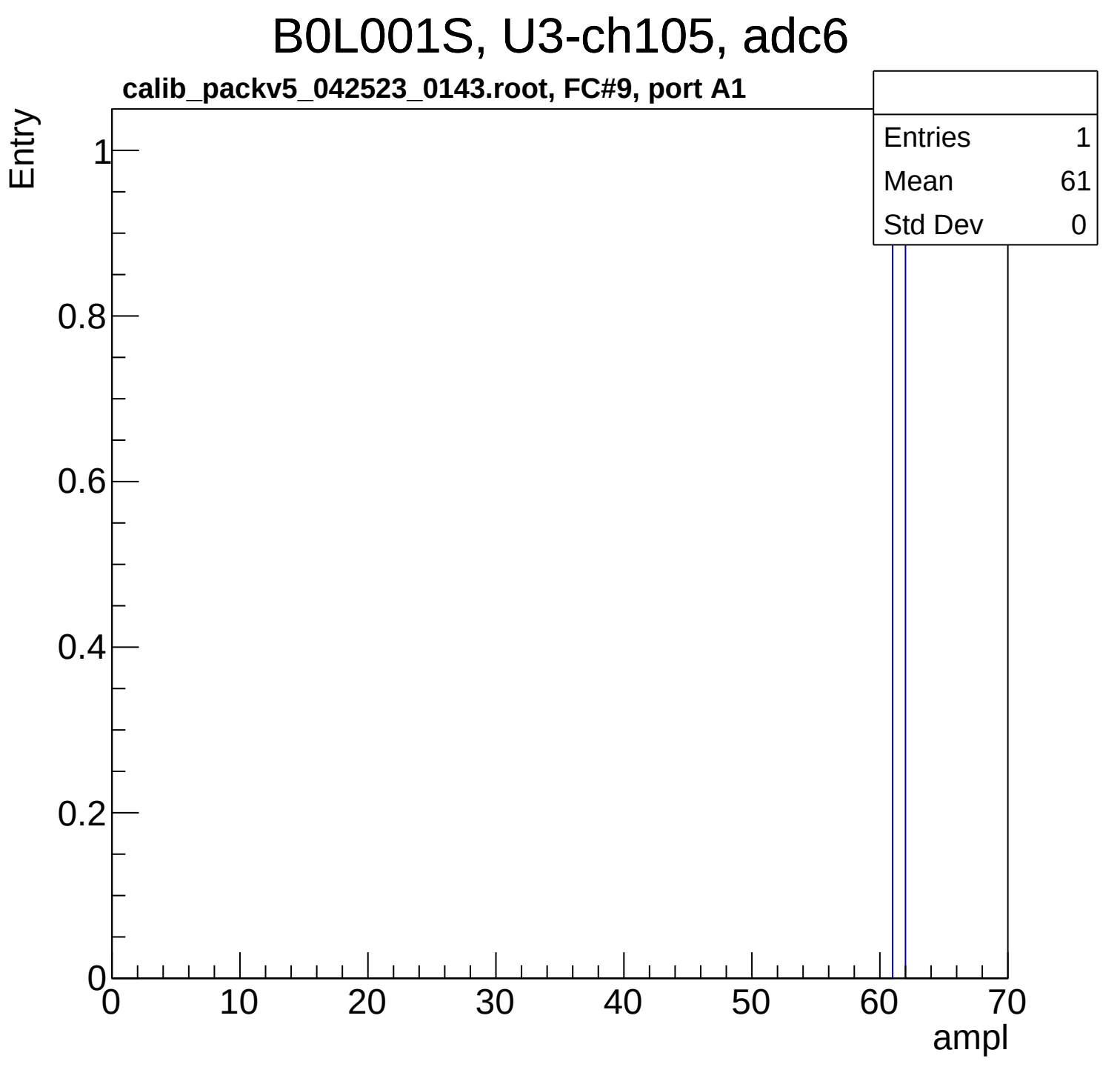
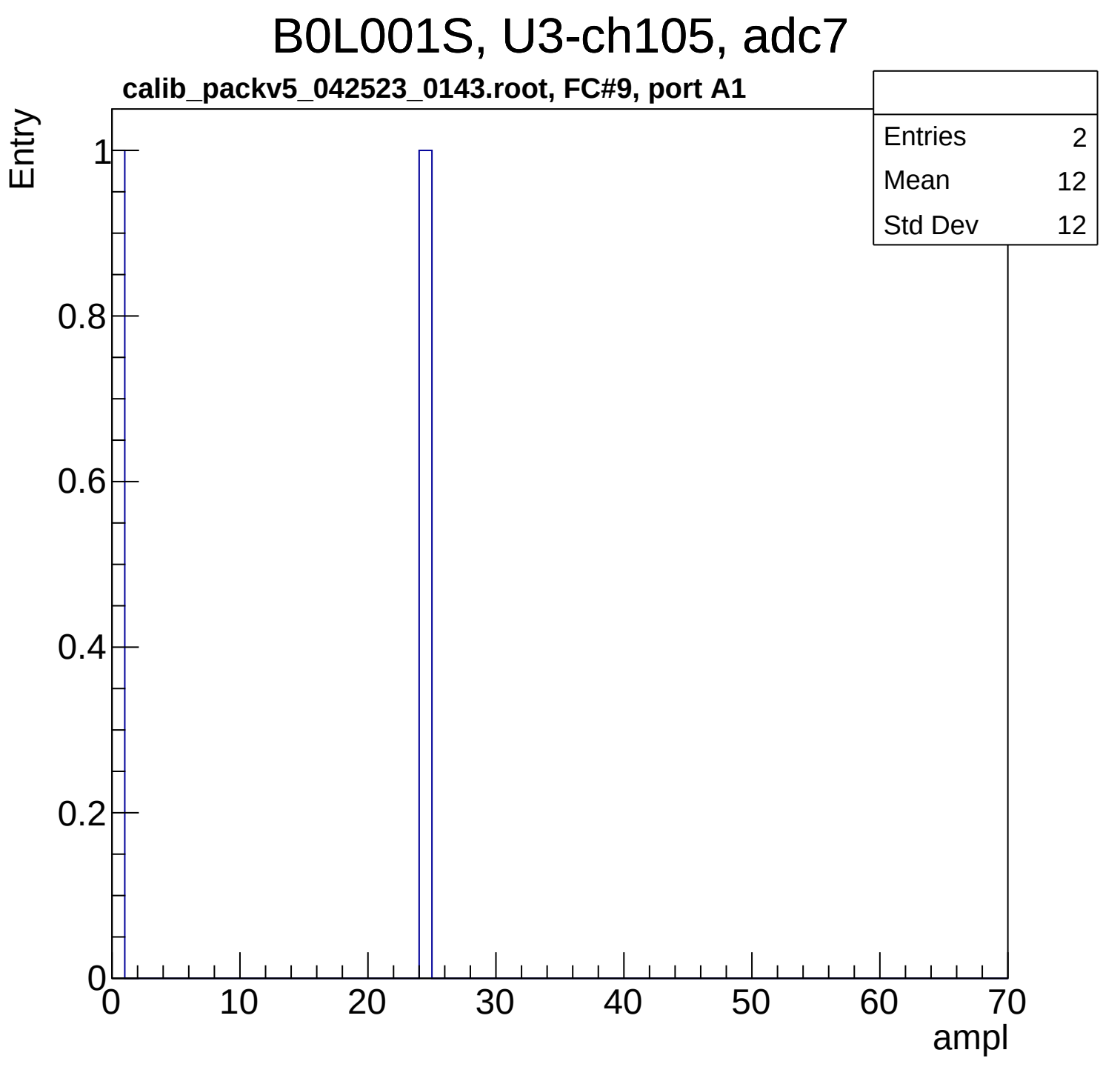

B0L001S, U3-ch105, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 46.07
Std Dev 3.651
Gaus mean : 46.2211
Gaus Width: 3.2306
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

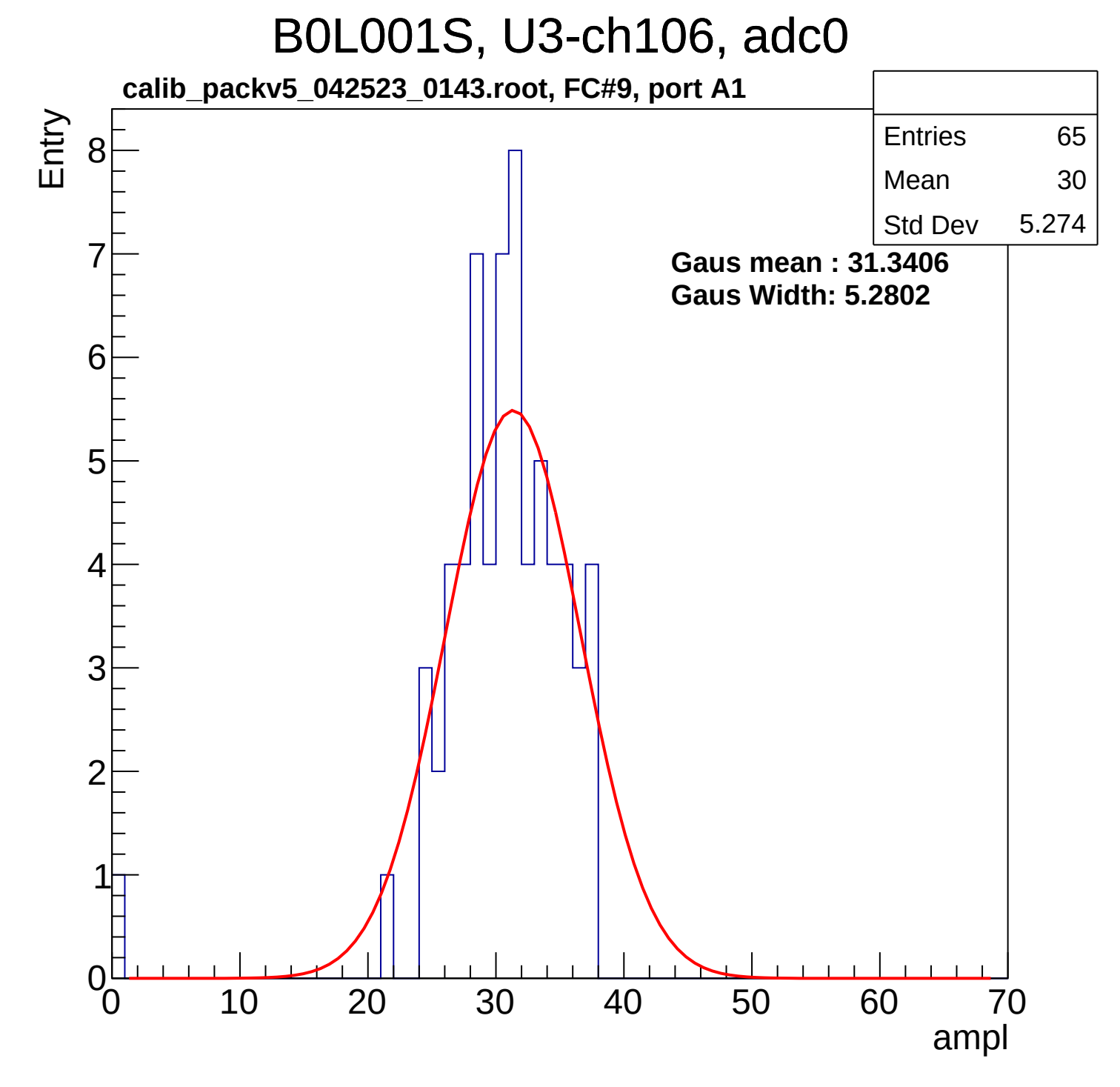

B0L001S, U3-ch105, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 52.63
Std Dev 3.528
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

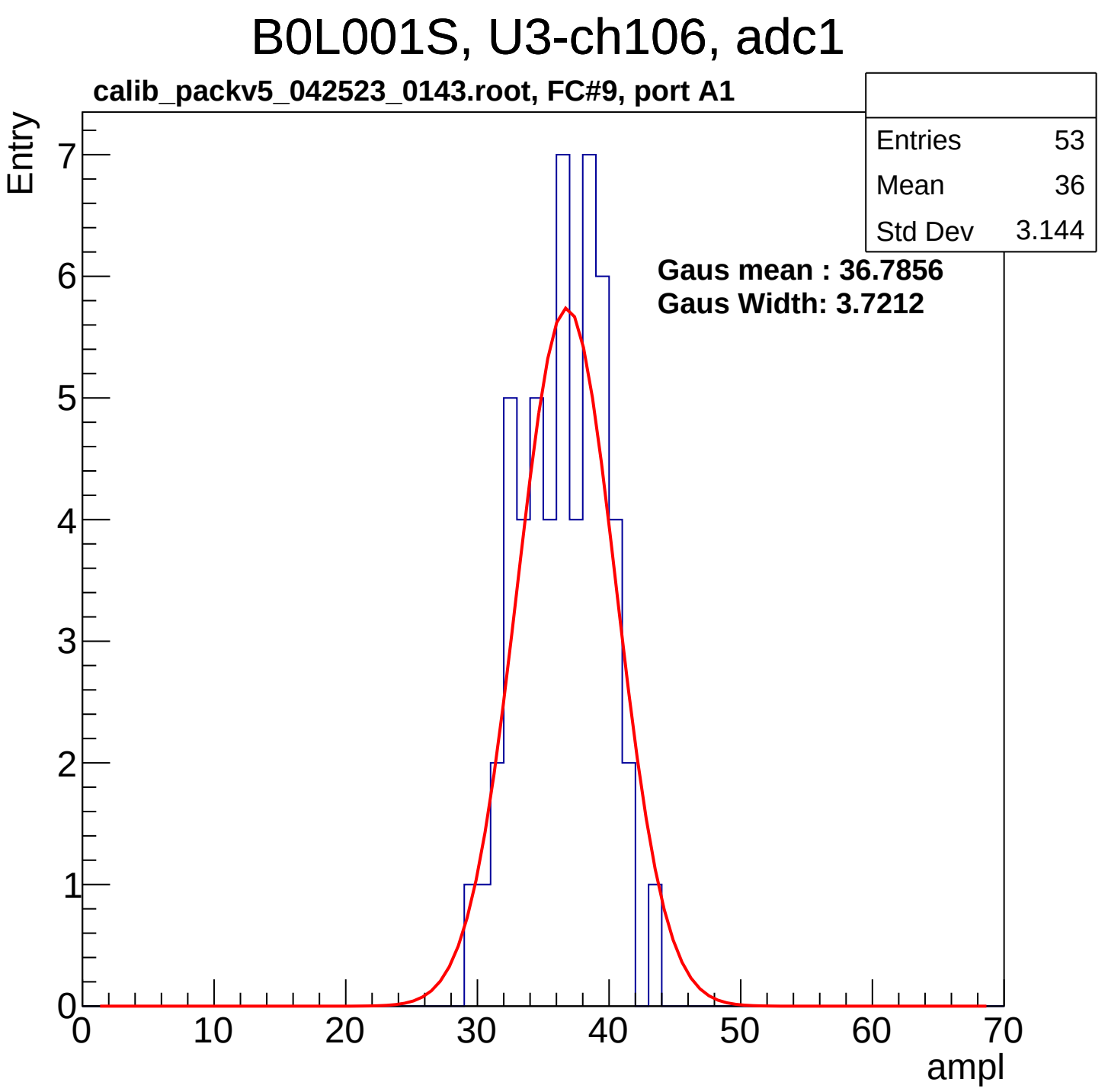

B0L001S, U3-ch105, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 57.86
Std Dev 2.842
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

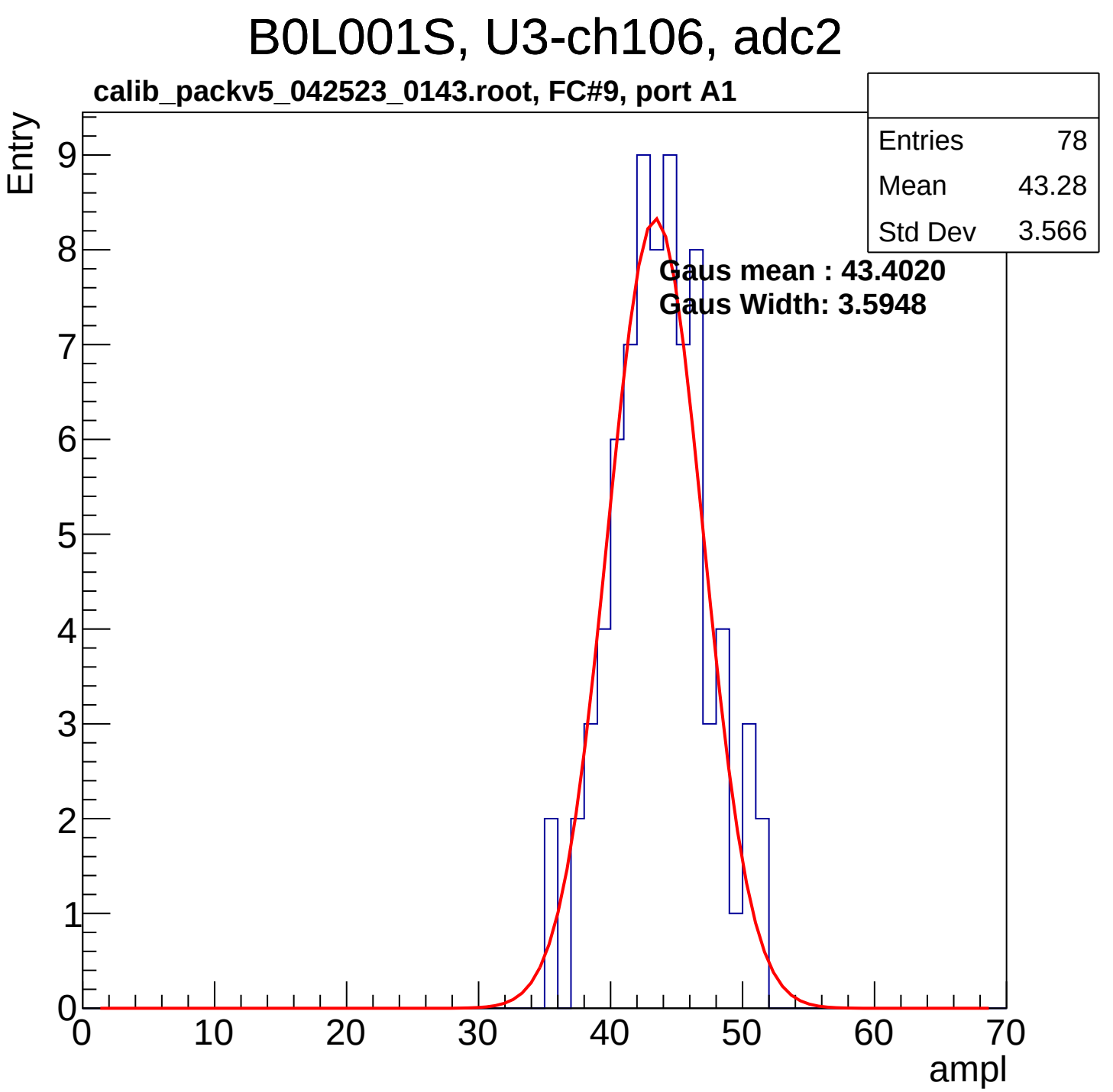

B0L001S, U3-ch105, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 25
Mean 59.08
Std Dev 12.16
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

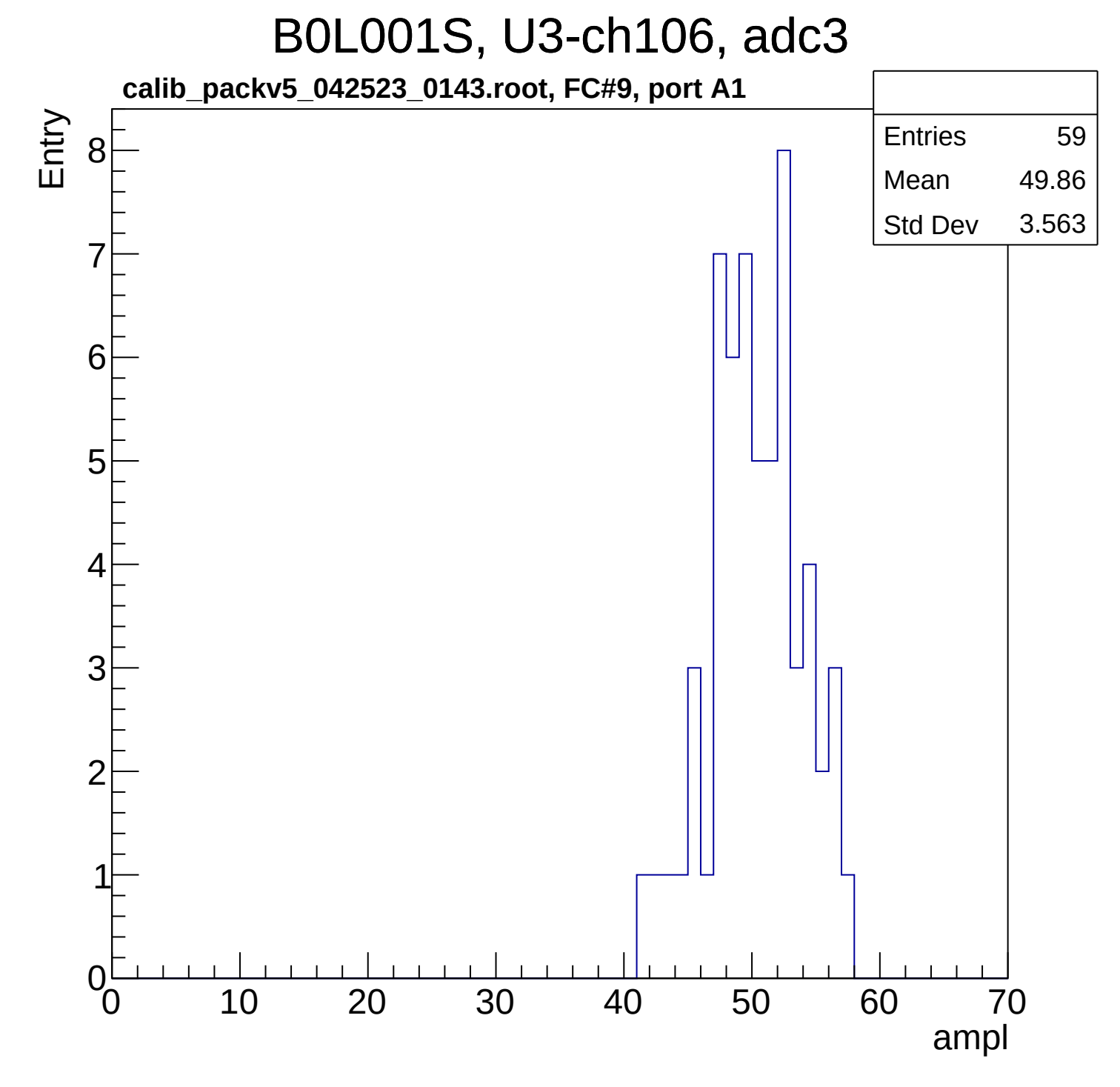

B0L001S, U3-ch105, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 61
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch105, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch106, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 30
Std Dev 5.274
Gaus mean : 31.3406
Gaus Width: 5.2802
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 36
Std Dev 3.144
Gaus mean : 36.7856
Gaus Width: 3.7212
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 43.28
Std Dev 3.566
Gaus mean : 43.4020
Gaus Width: 3.5948
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 49.86
Std Dev 3.563
Entry
ampl
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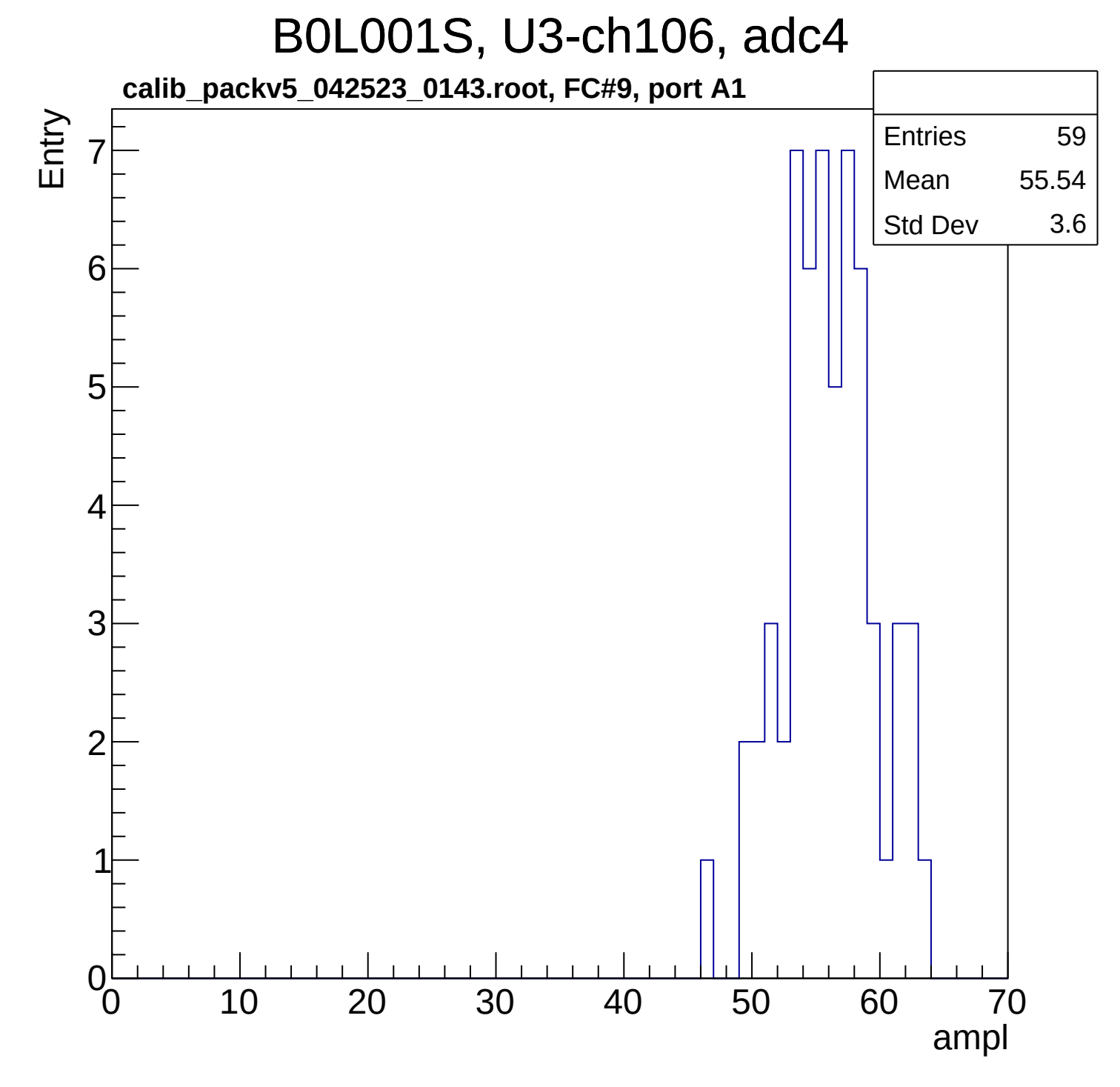
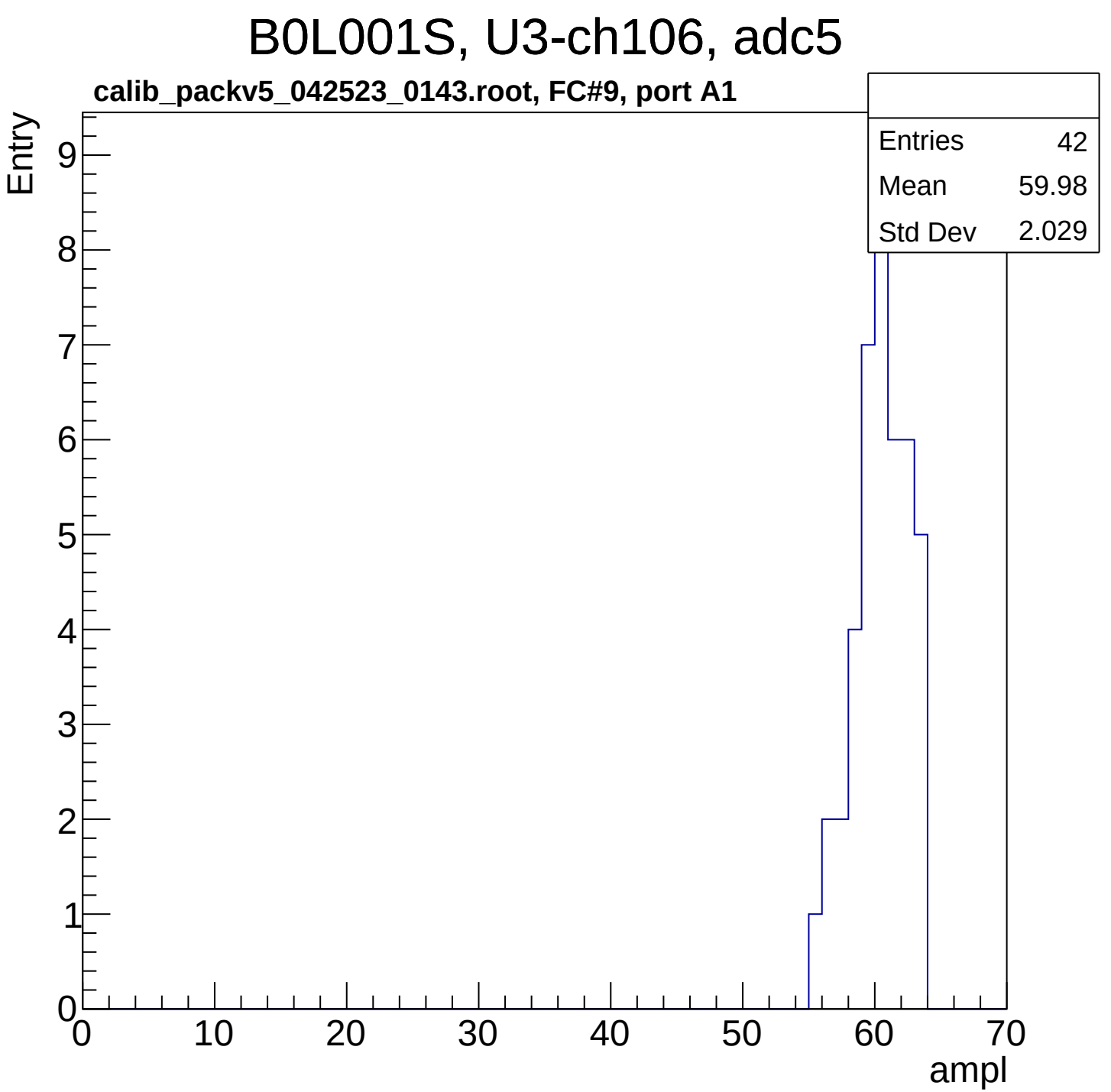
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 55.54
Std Dev 3.6
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 59.98
Std Dev 2.029
Entry
ampl
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3
4
5
6
7
8
9
0
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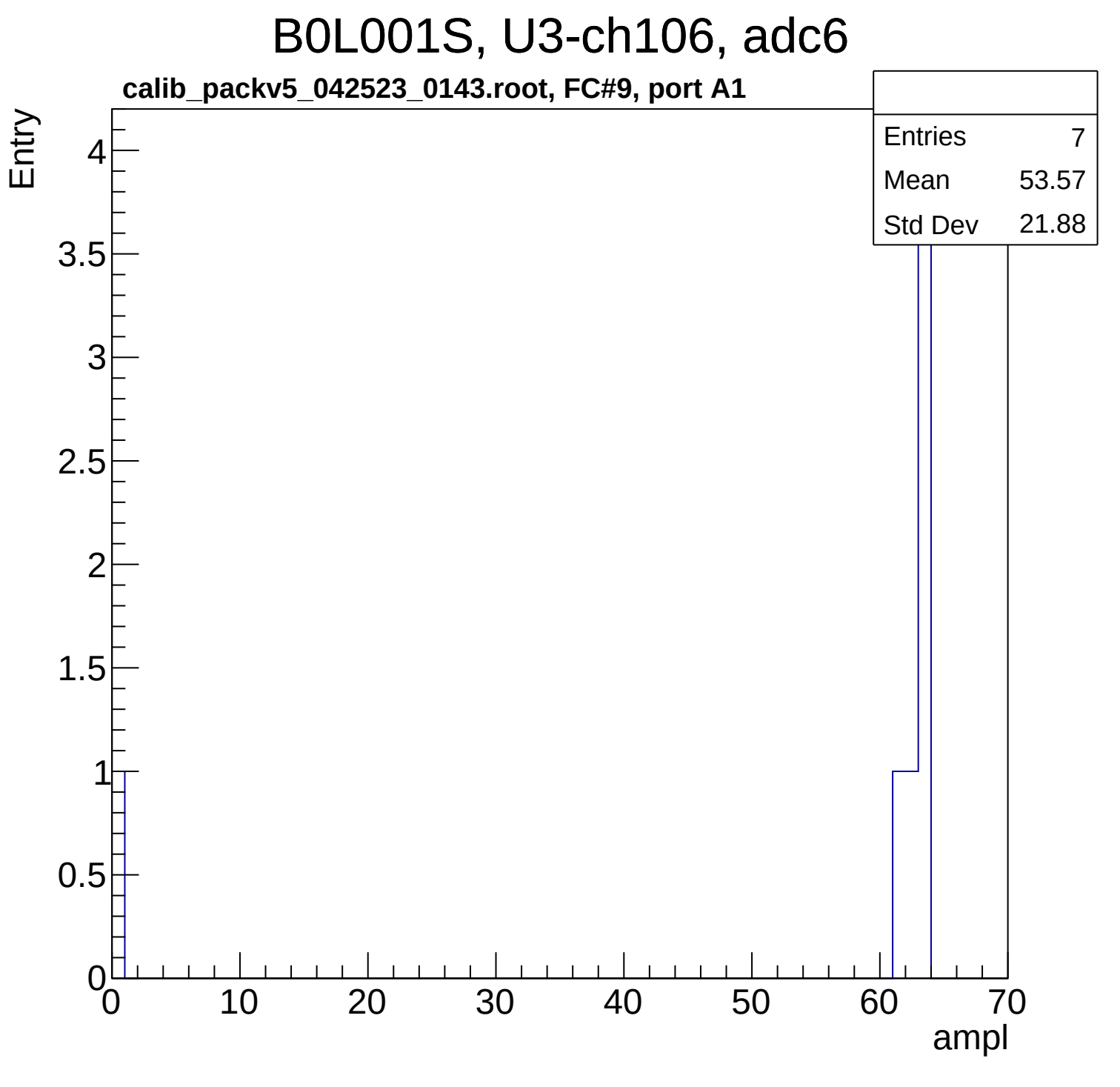
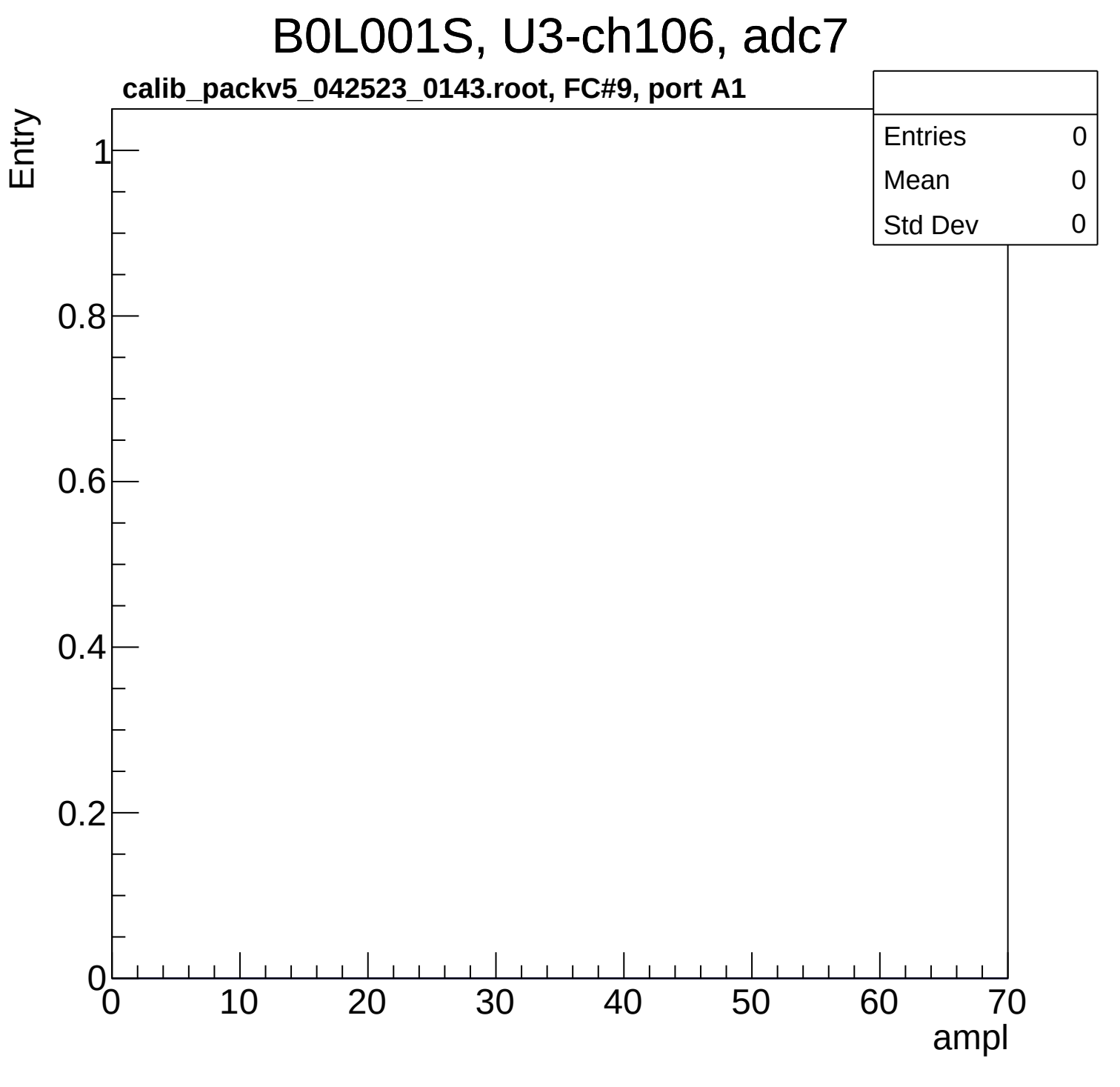
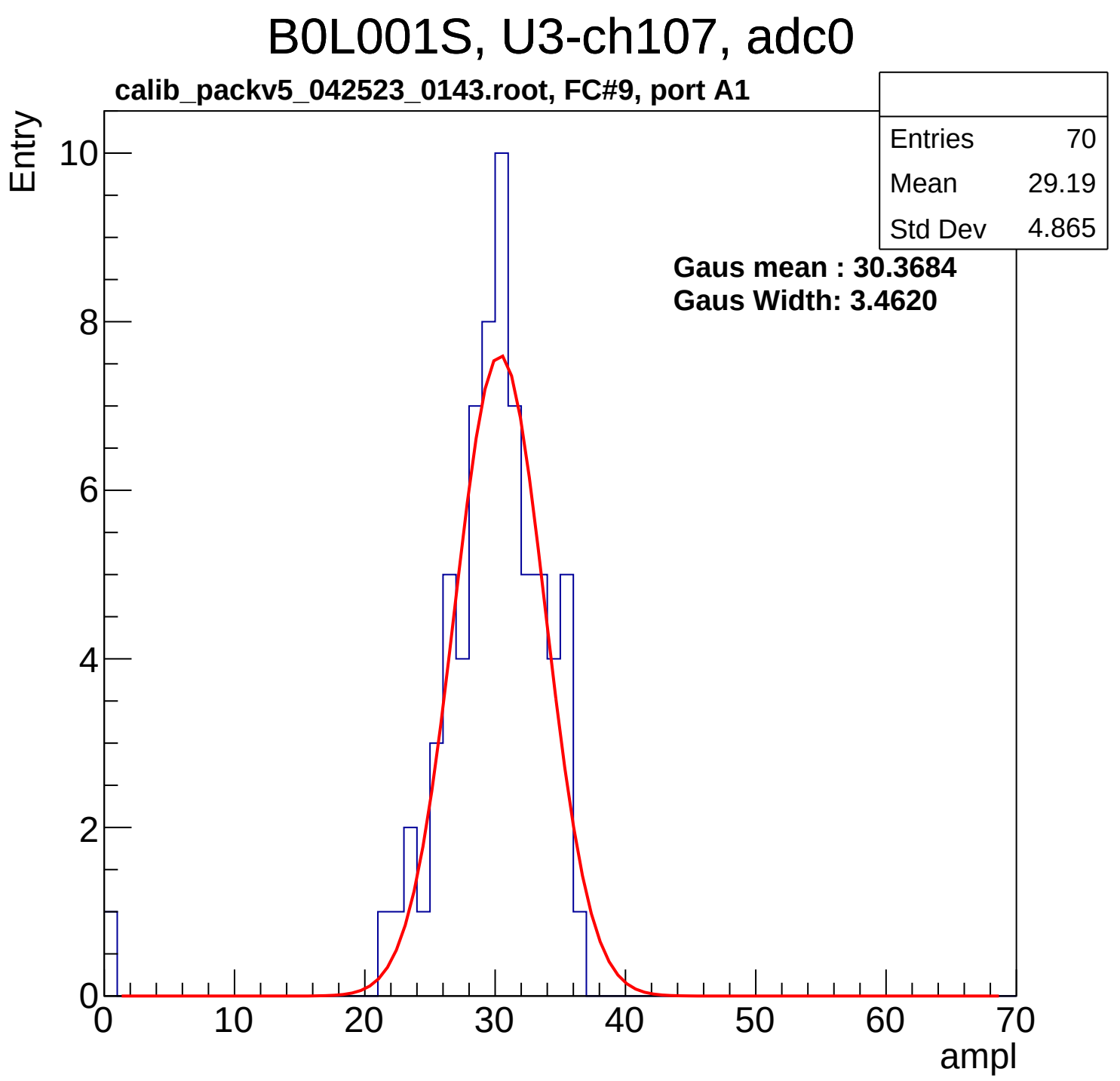
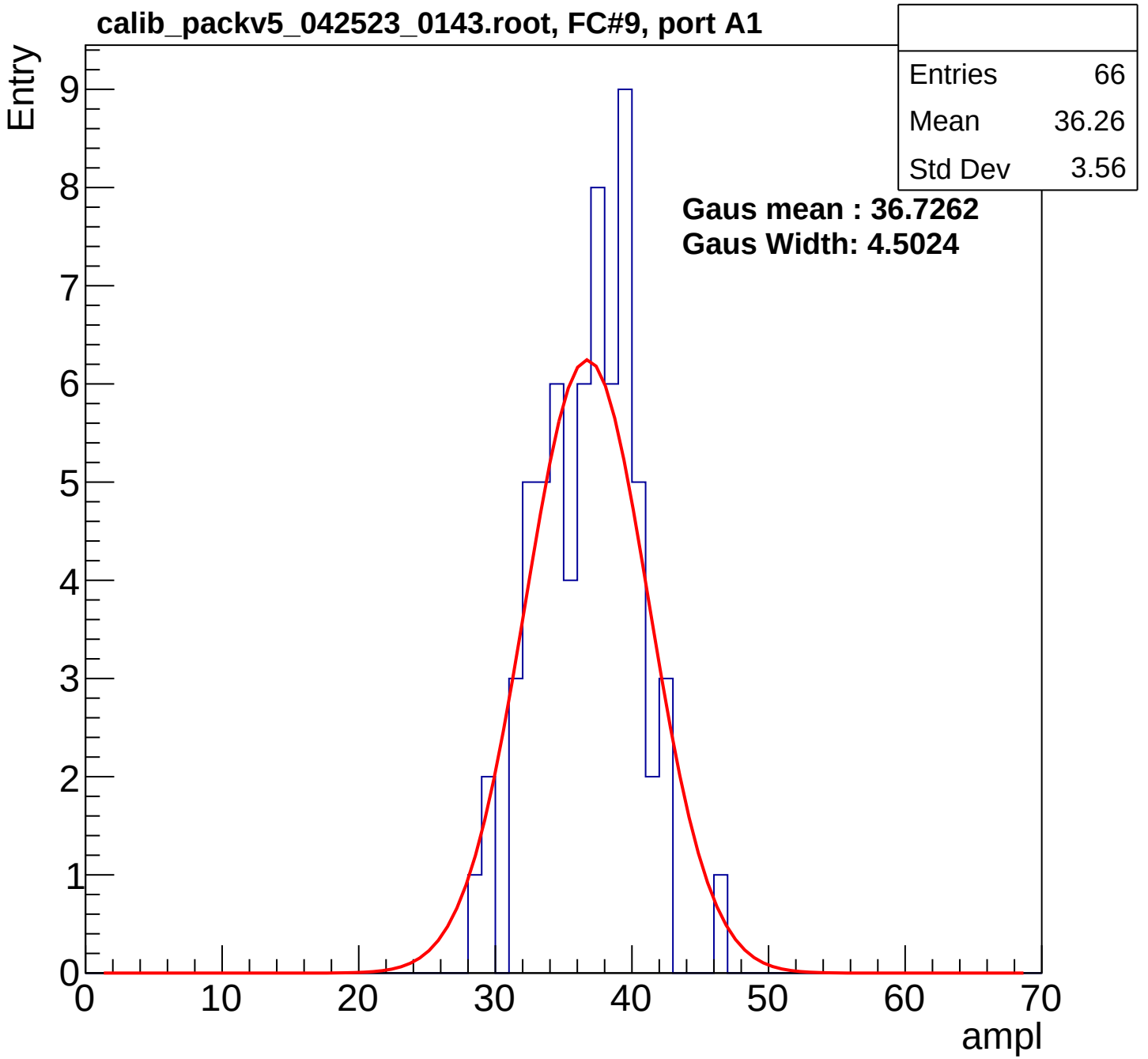
60
70


B0L001S, U3-ch106, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53.57
Std Dev 21.88
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch106, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch107, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 29.19
Std Dev 4.865
Gaus mean : 30.3684
Gaus Width: 3.4620
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch107, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 36.26
Std Dev 3.56
Gaus mean : 36.7262
Gaus Width: 4.5024
Entry
ampl
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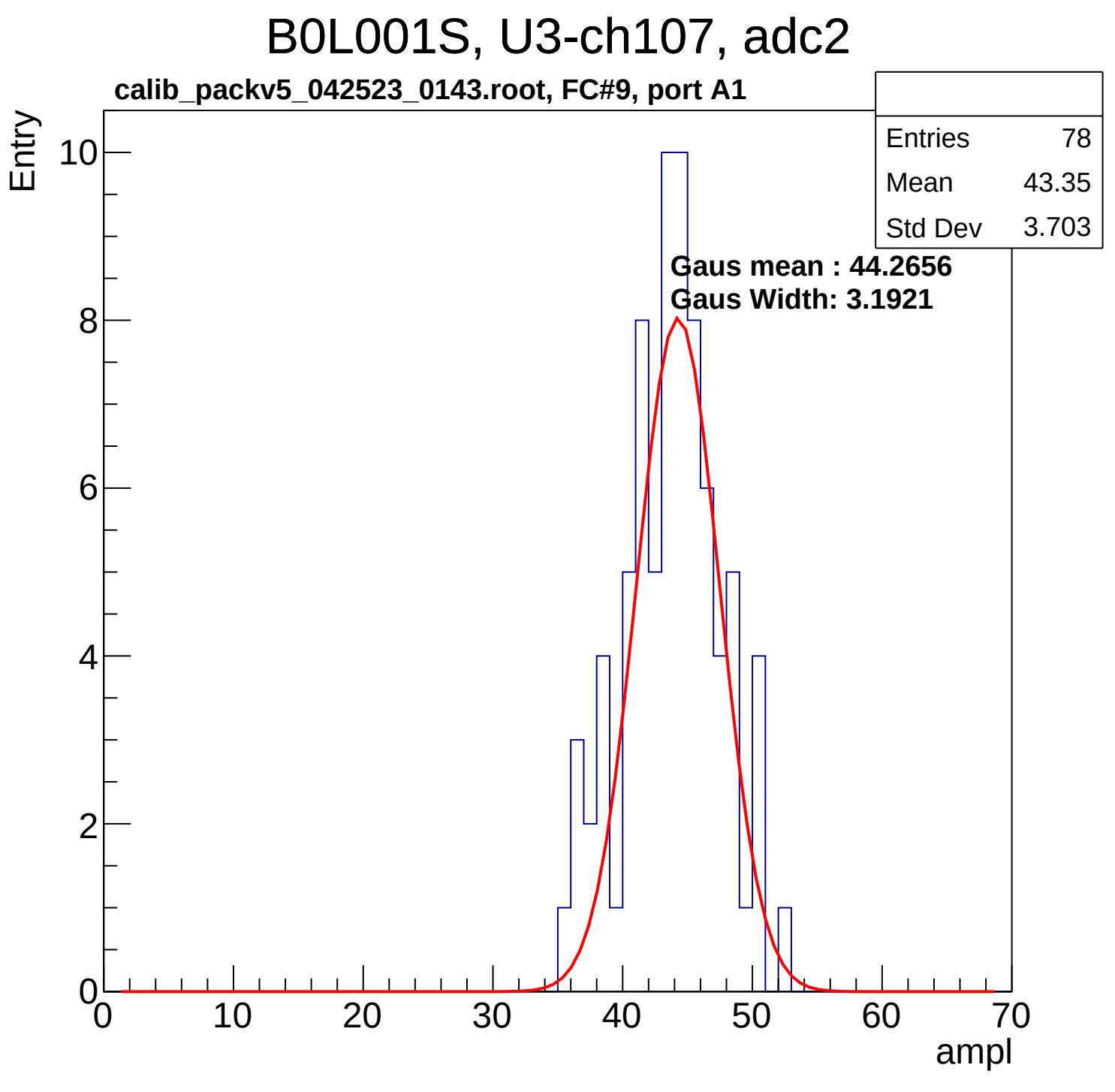
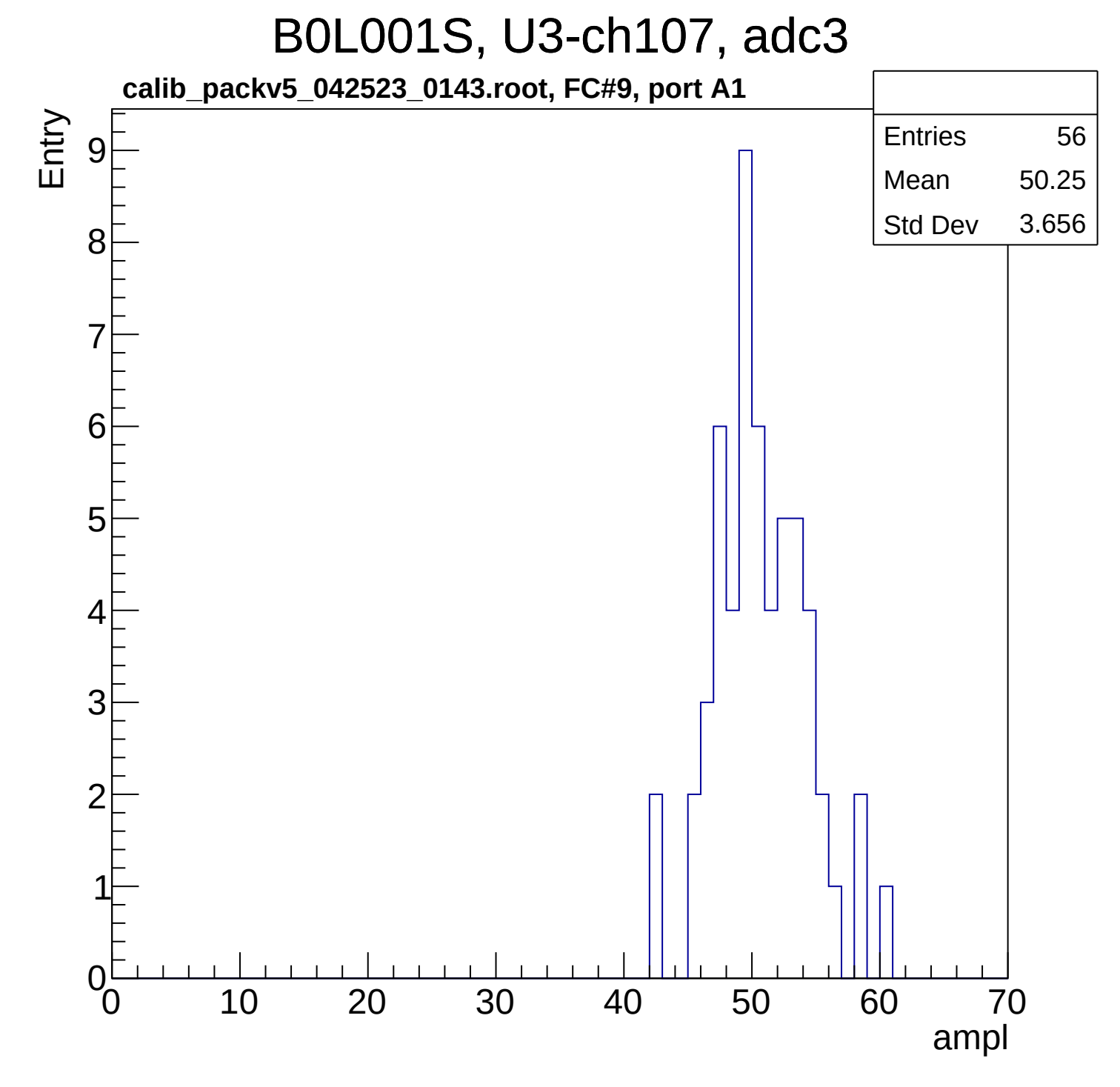
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch107, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 43.35
Std Dev 3.703
Gaus mean : 44.2656
Gaus Width: 3.1921
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch107, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 50.25
Std Dev 3.656
Entry
ampl
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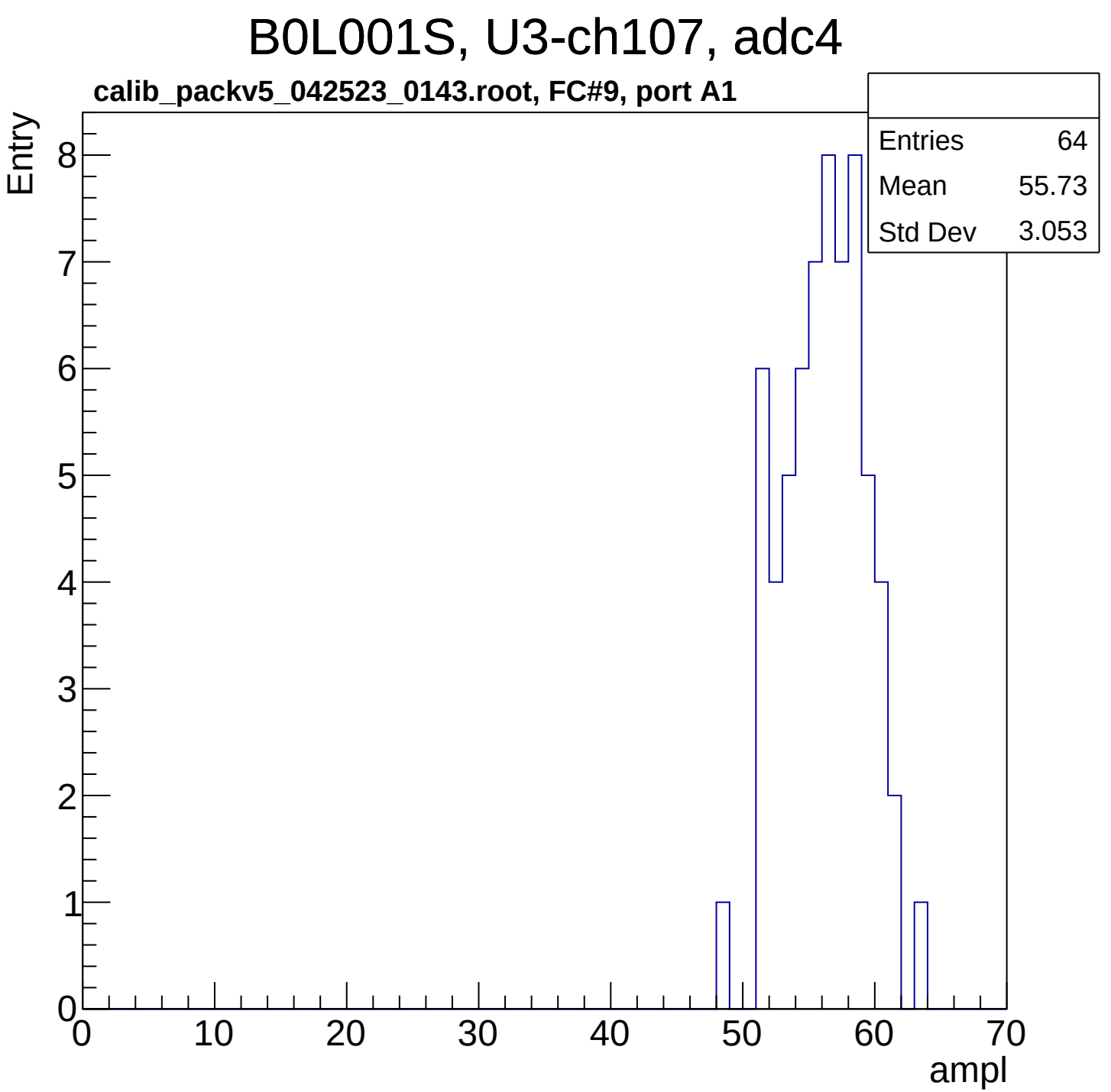
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch107, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 55.73
Std Dev 3.053
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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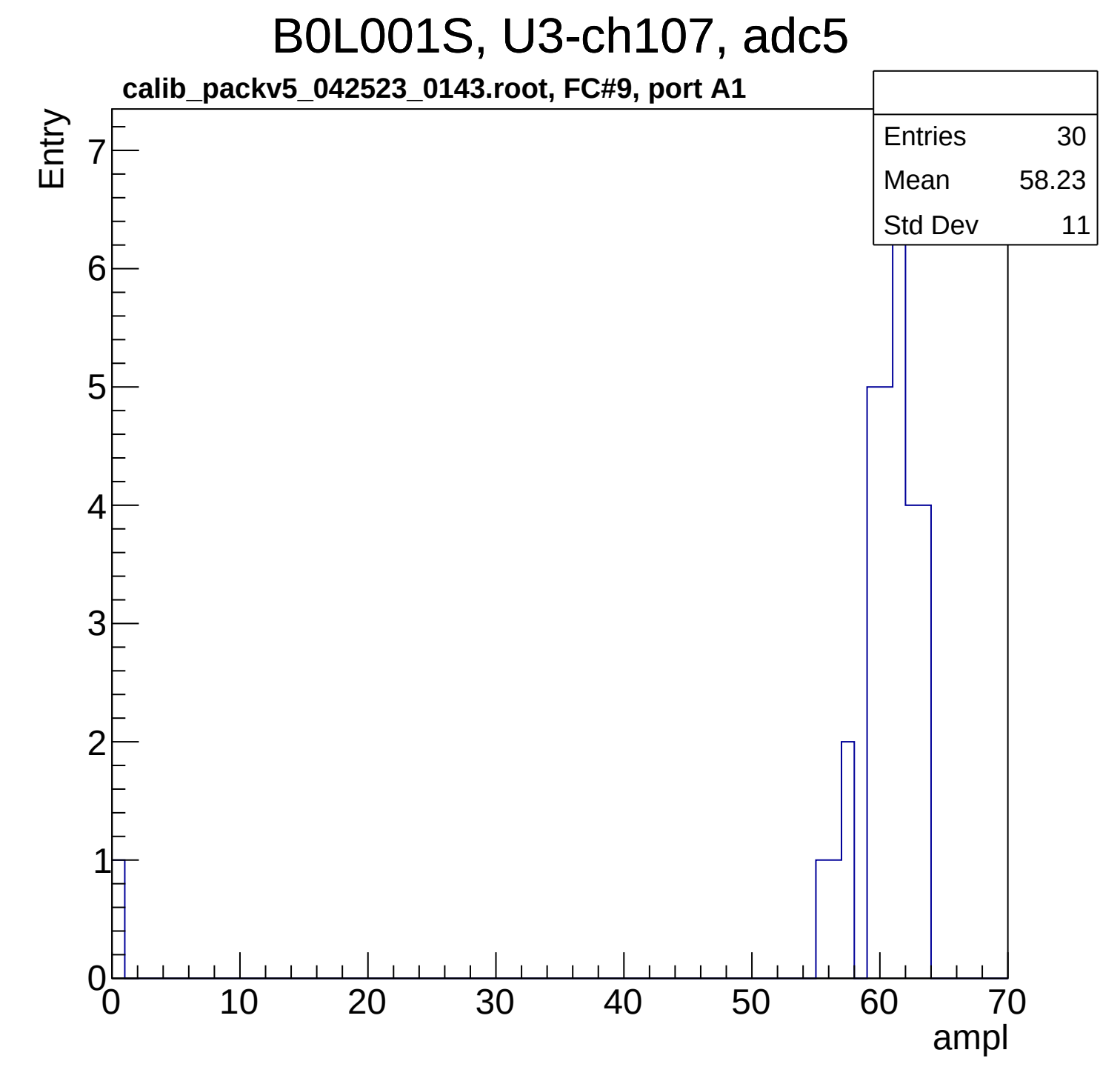
B0L001S, U3-ch107, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 30
Mean 58.23
Std Dev 11
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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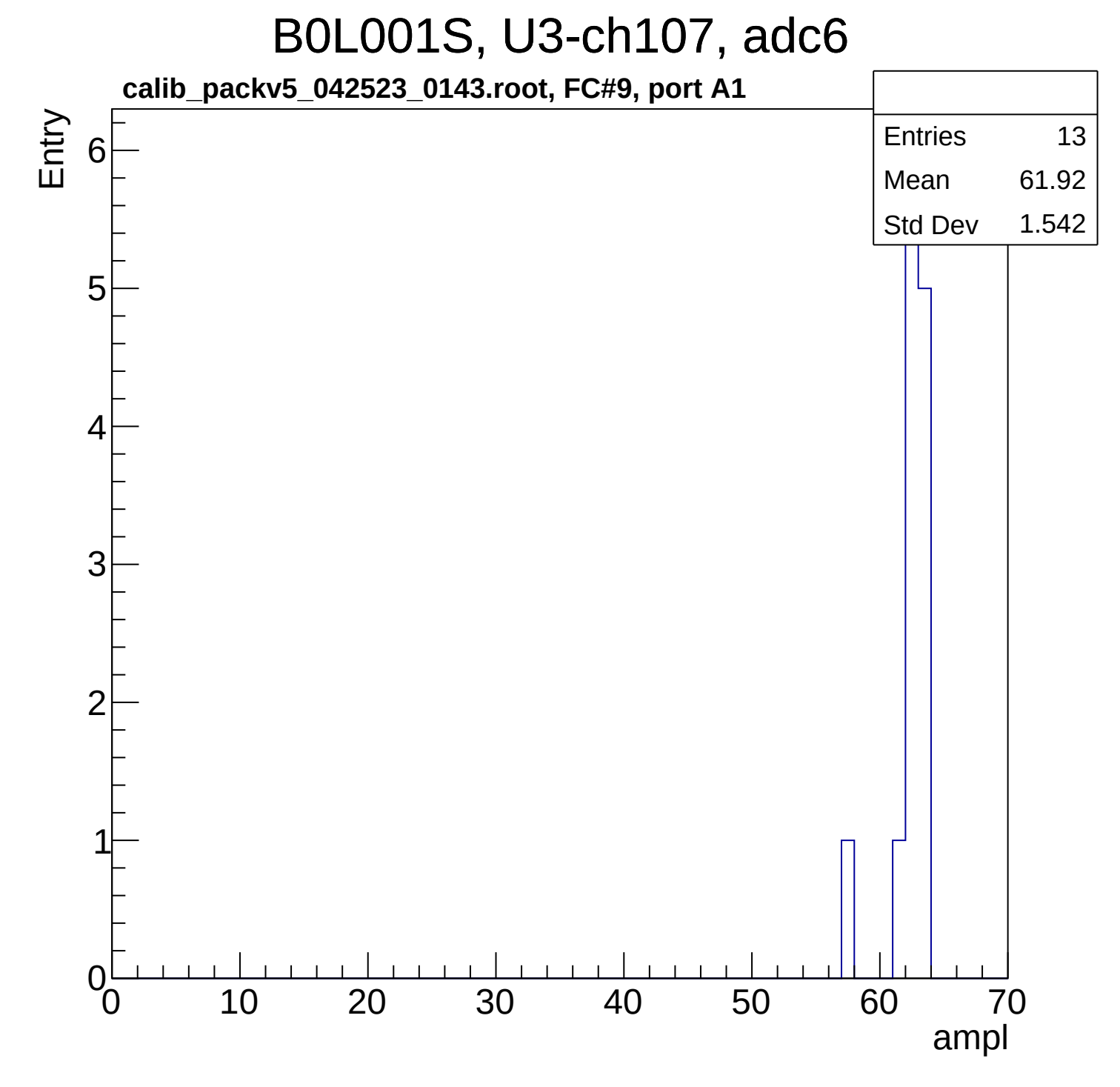
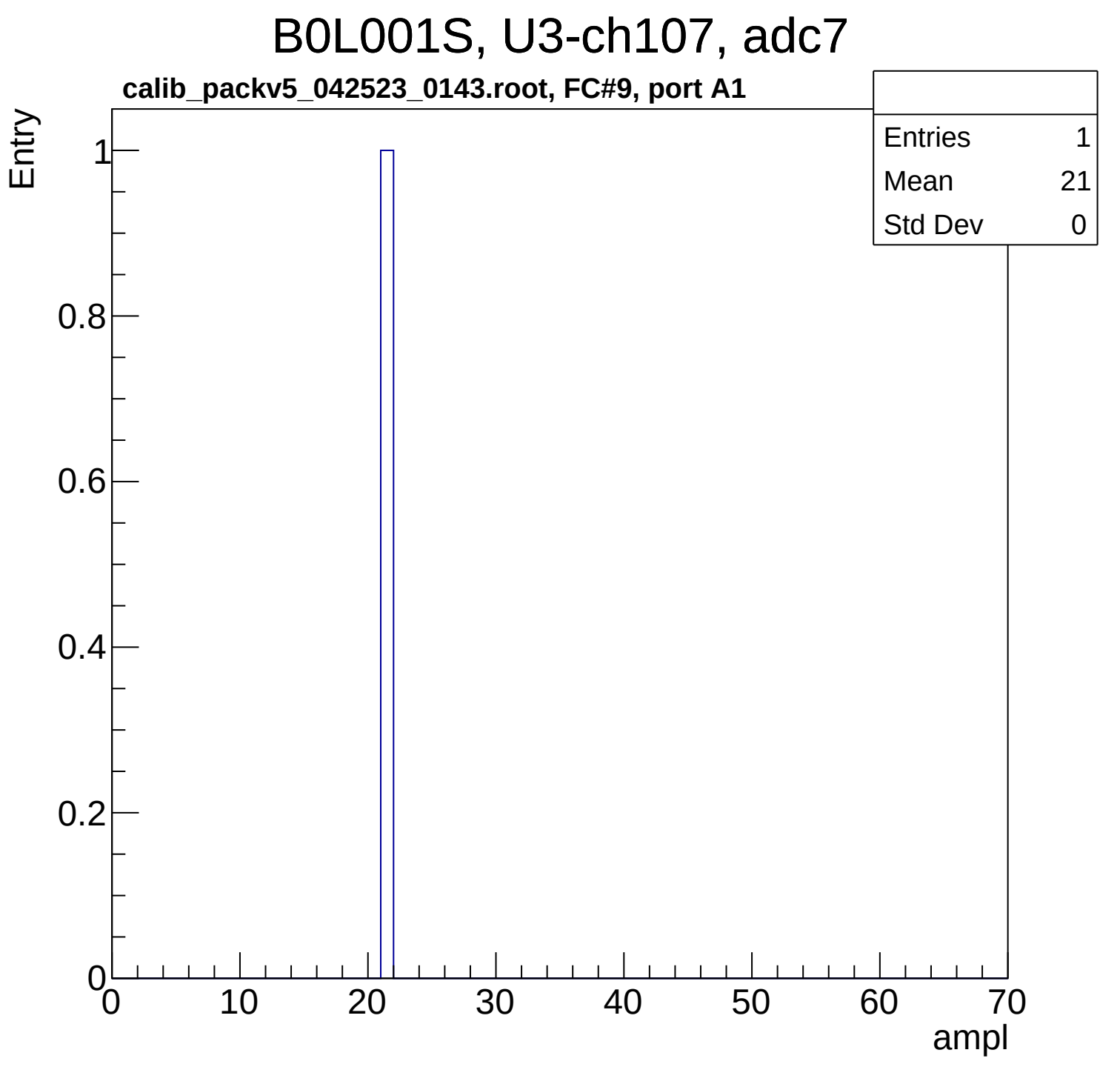

B0L001S, U3-ch107, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 13
Mean 61.92
Std Dev 1.542
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch107, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 21
Std Dev 0
Entry
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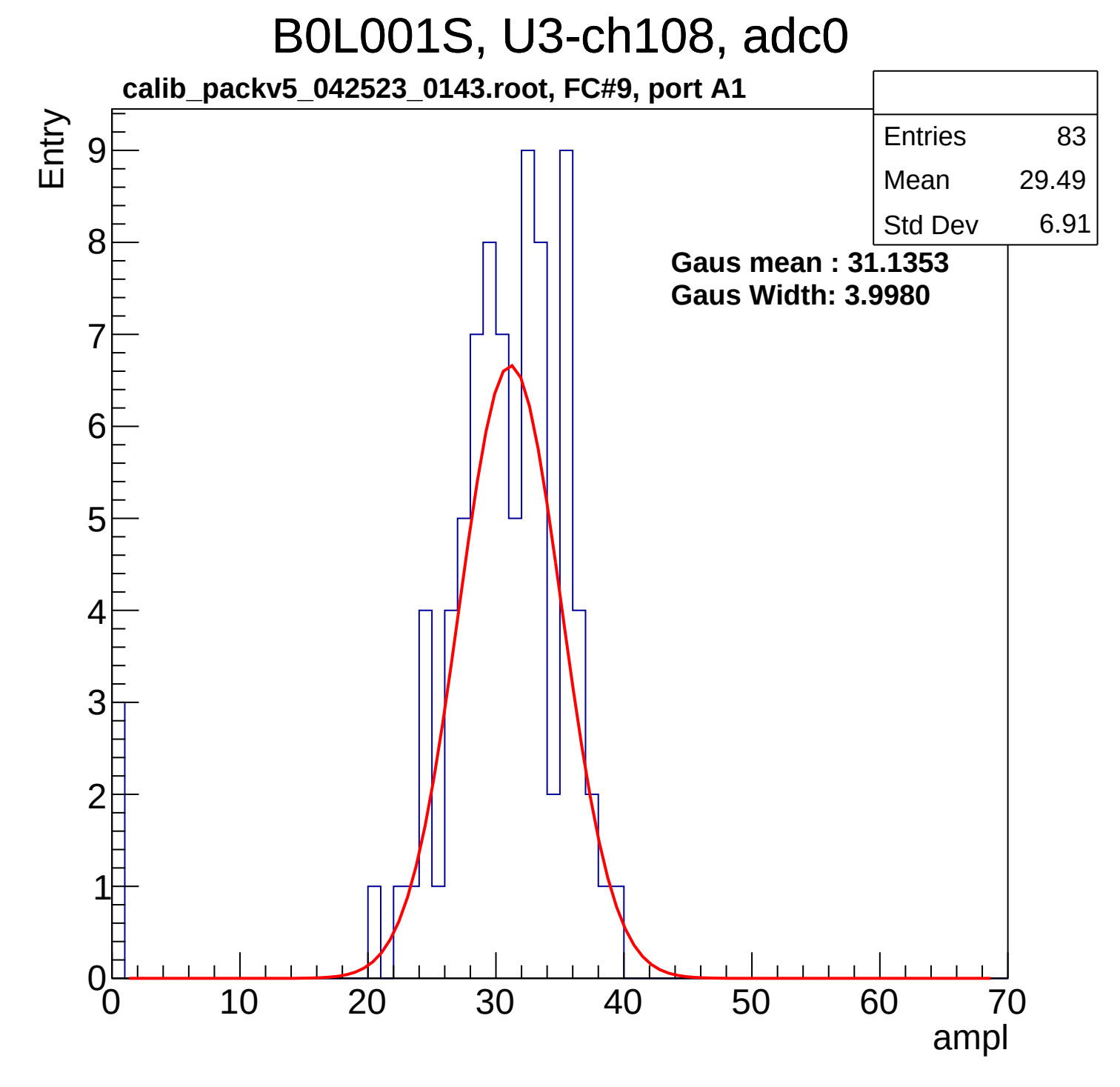
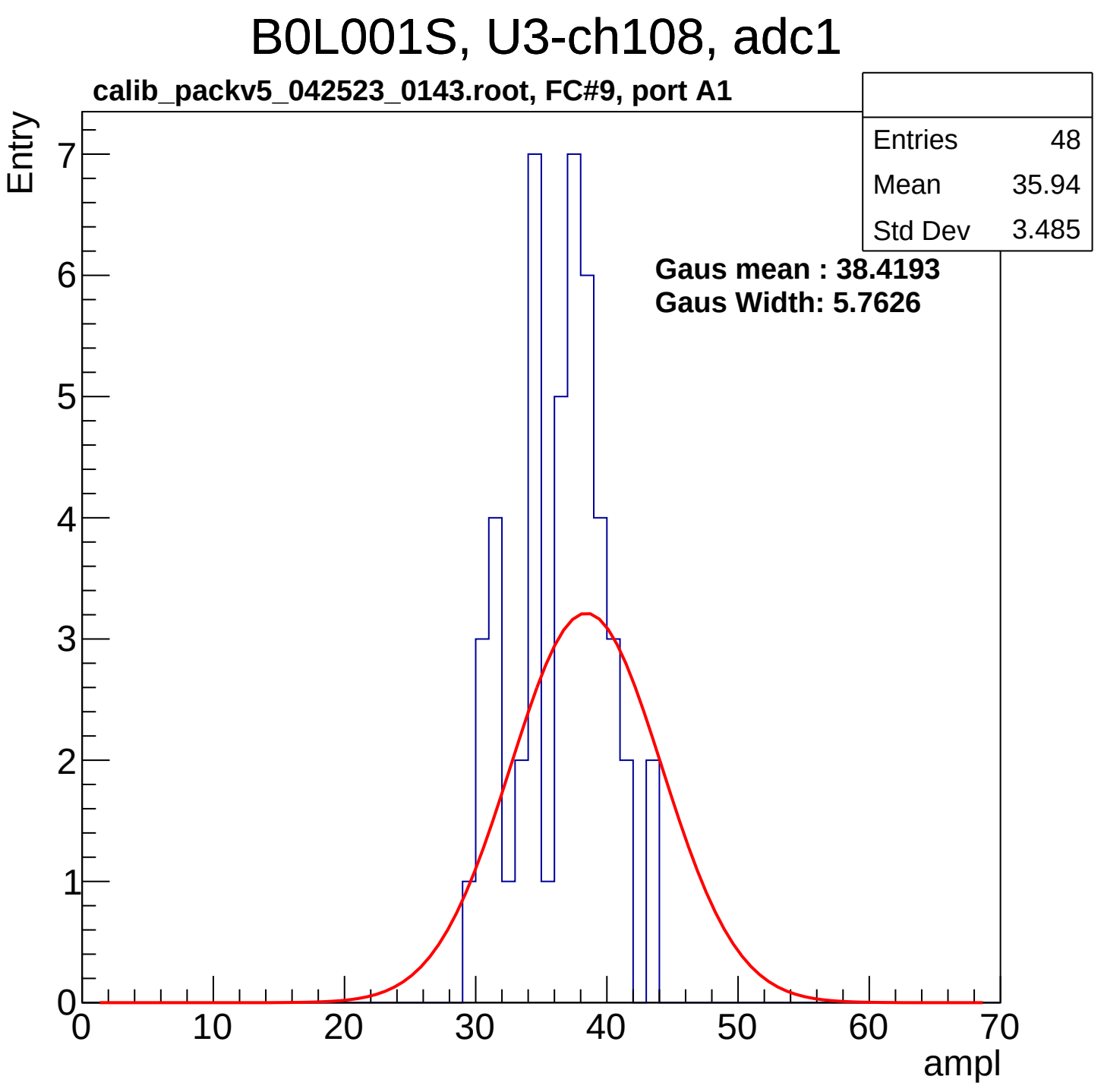
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch108, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 83
Mean 29.49
Std Dev 6.91
Gaus mean : 31.1353
Gaus Width: 3.9980
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch108, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 35.94
Std Dev 3.485
Gaus mean : 38.4193
Gaus Width: 5.7626
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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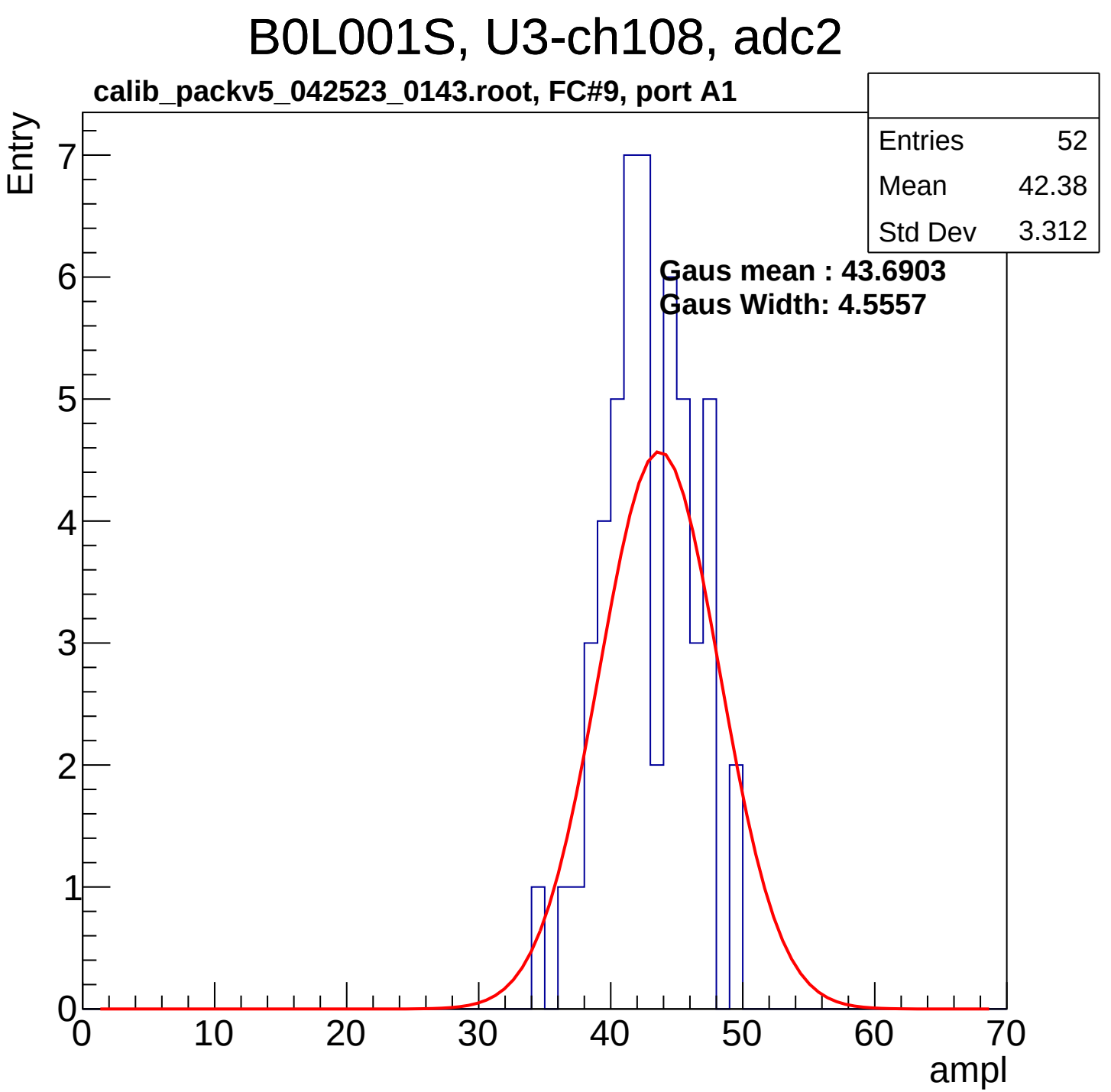
B0L001S, U3-ch108, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 42.38
Std Dev 3.312
Gaus mean : 43.6903
Gaus Width: 4.5557
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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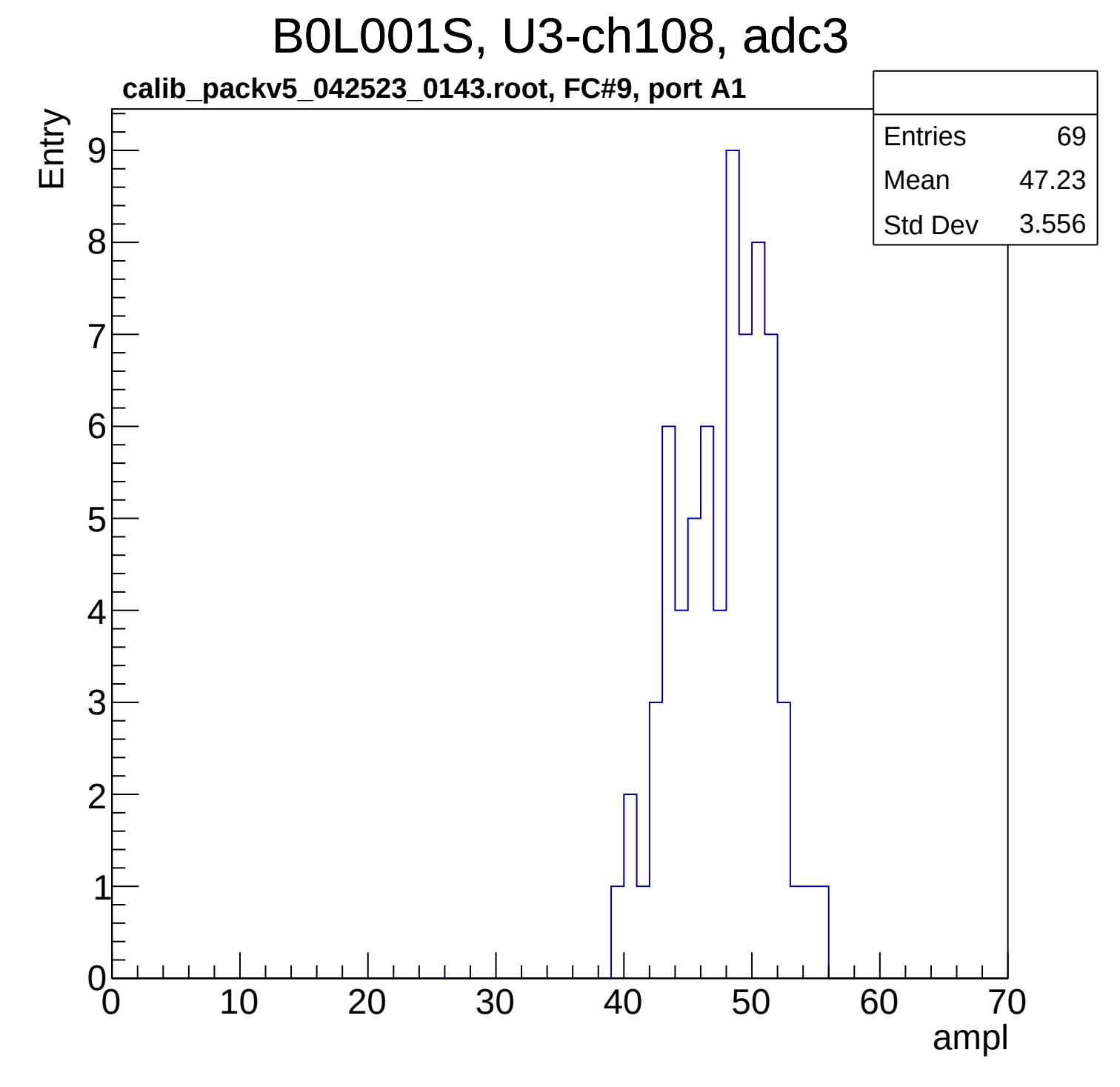
B0L001S, U3-ch108, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 47.23
Std Dev 3.556
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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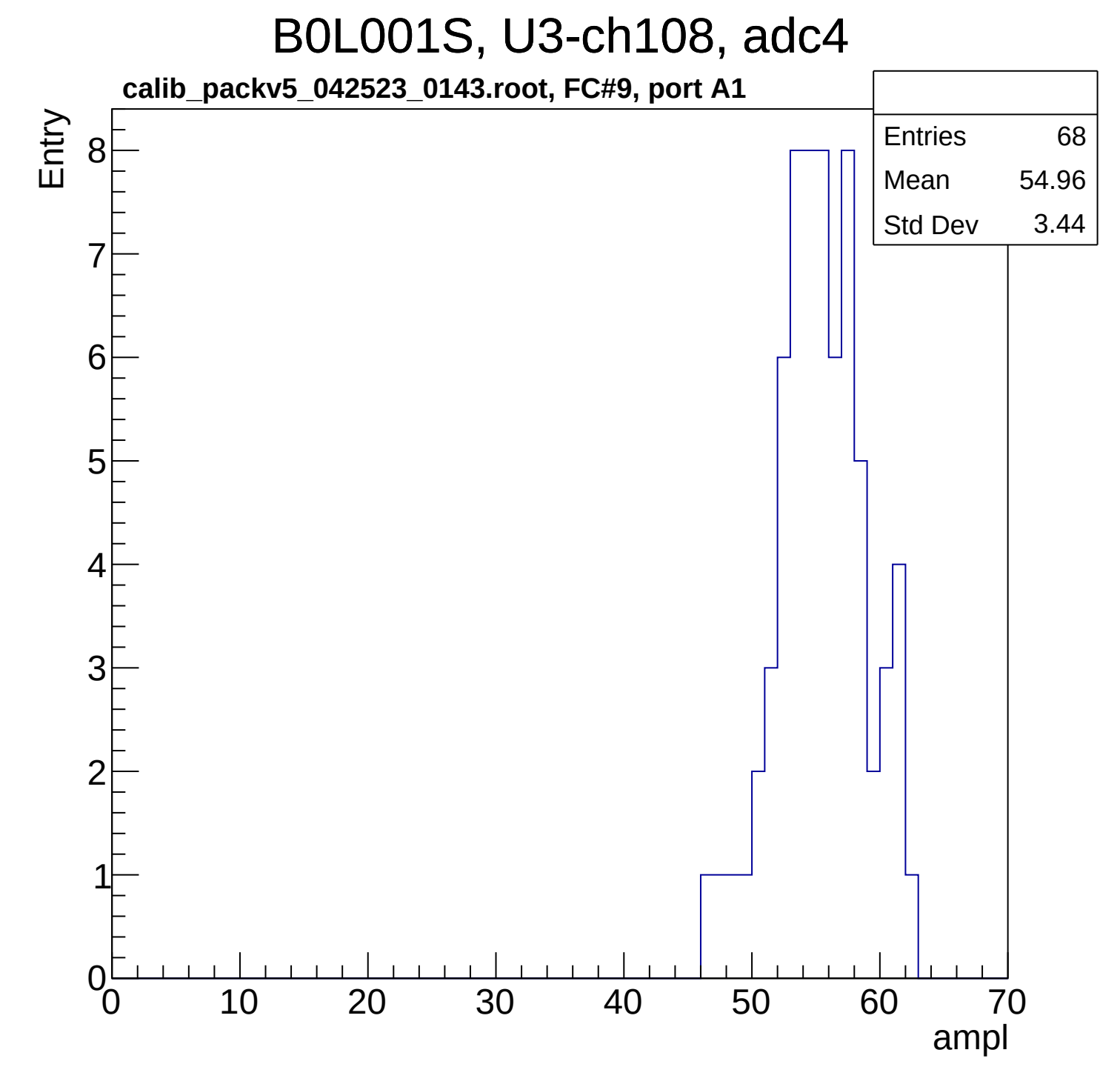
B0L001S, U3-ch108, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 54.96
Std Dev 3.44
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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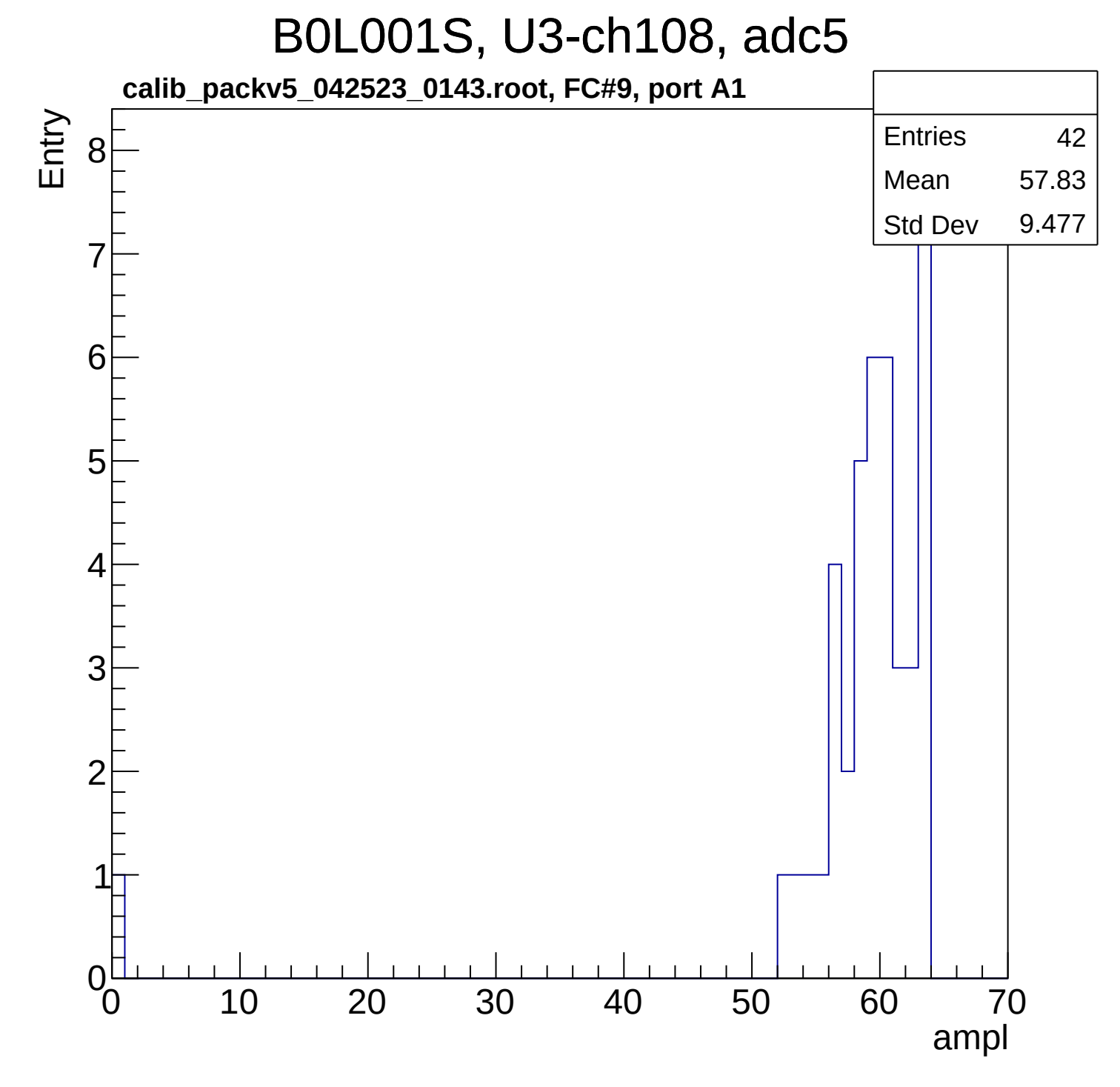
B0L001S, U3-ch108, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 57.83
Std Dev 9.477
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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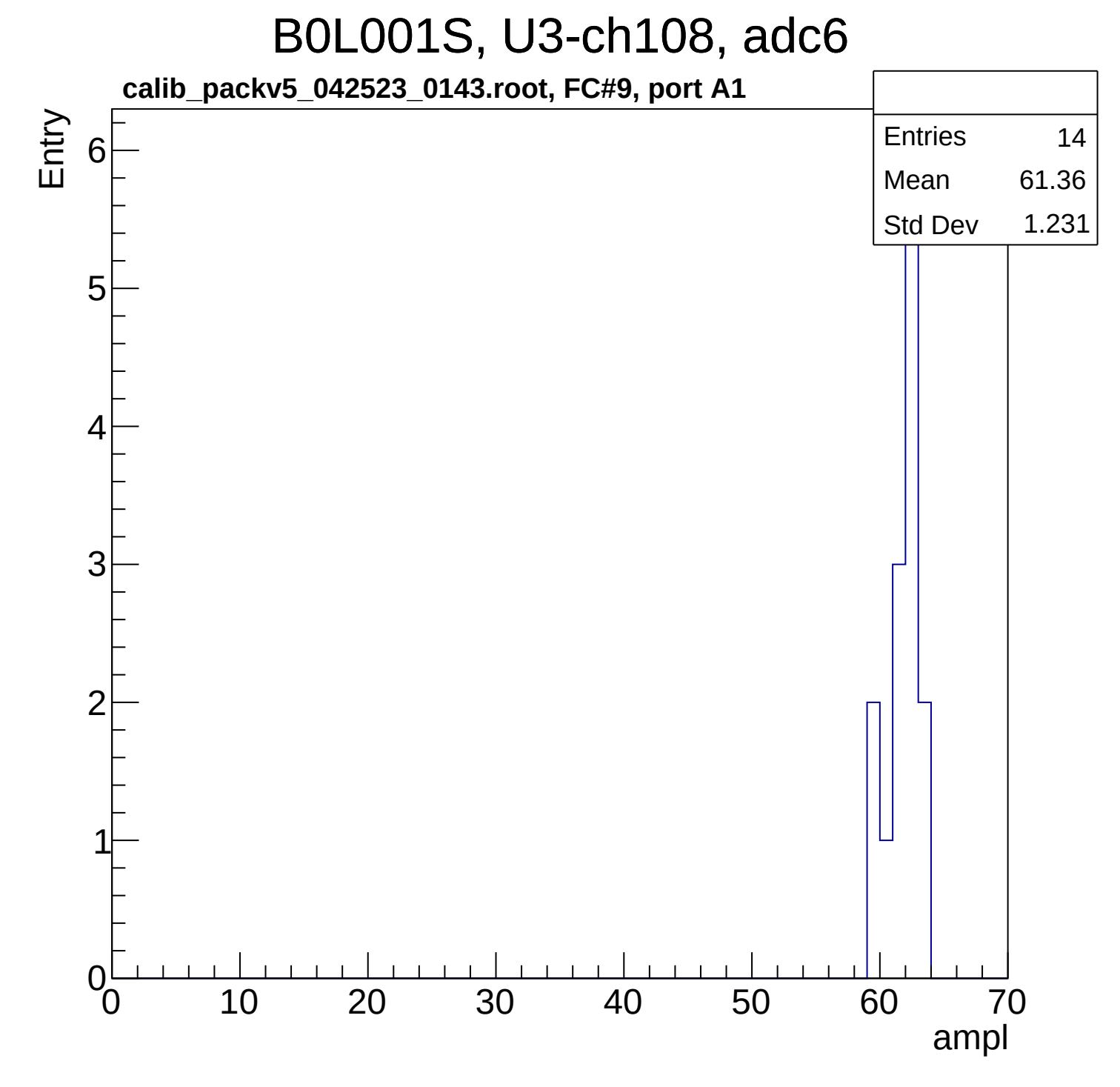
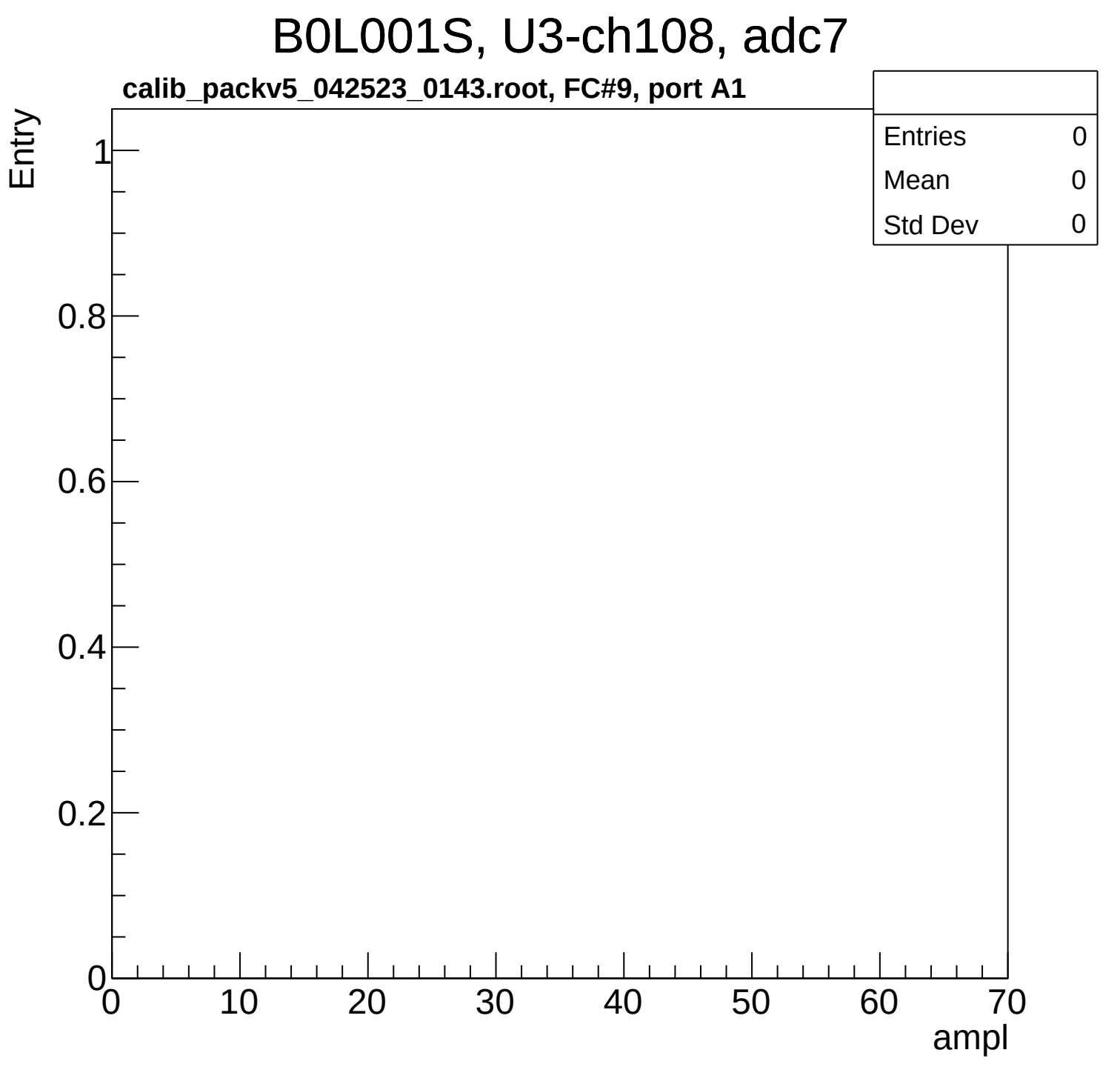
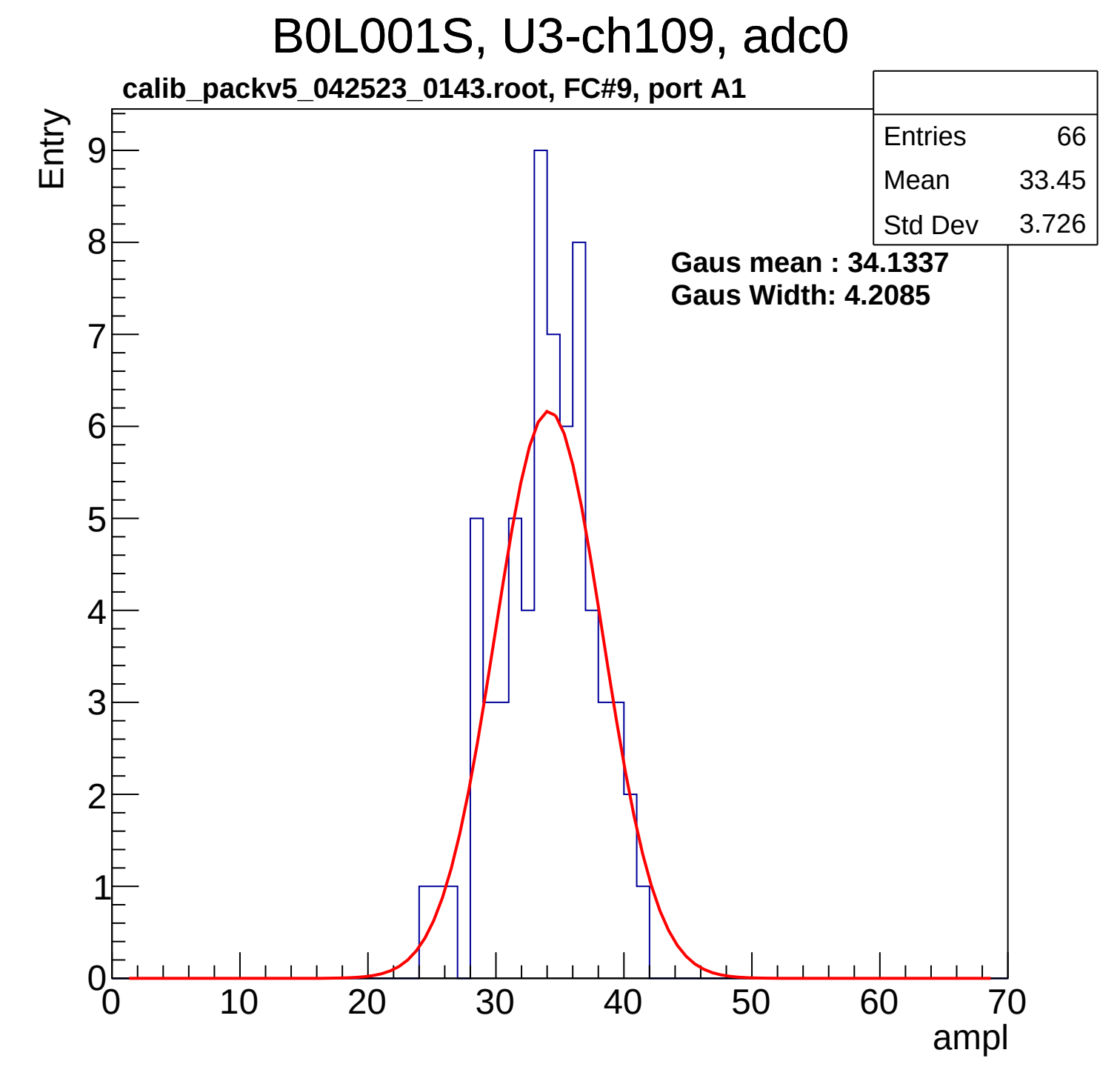
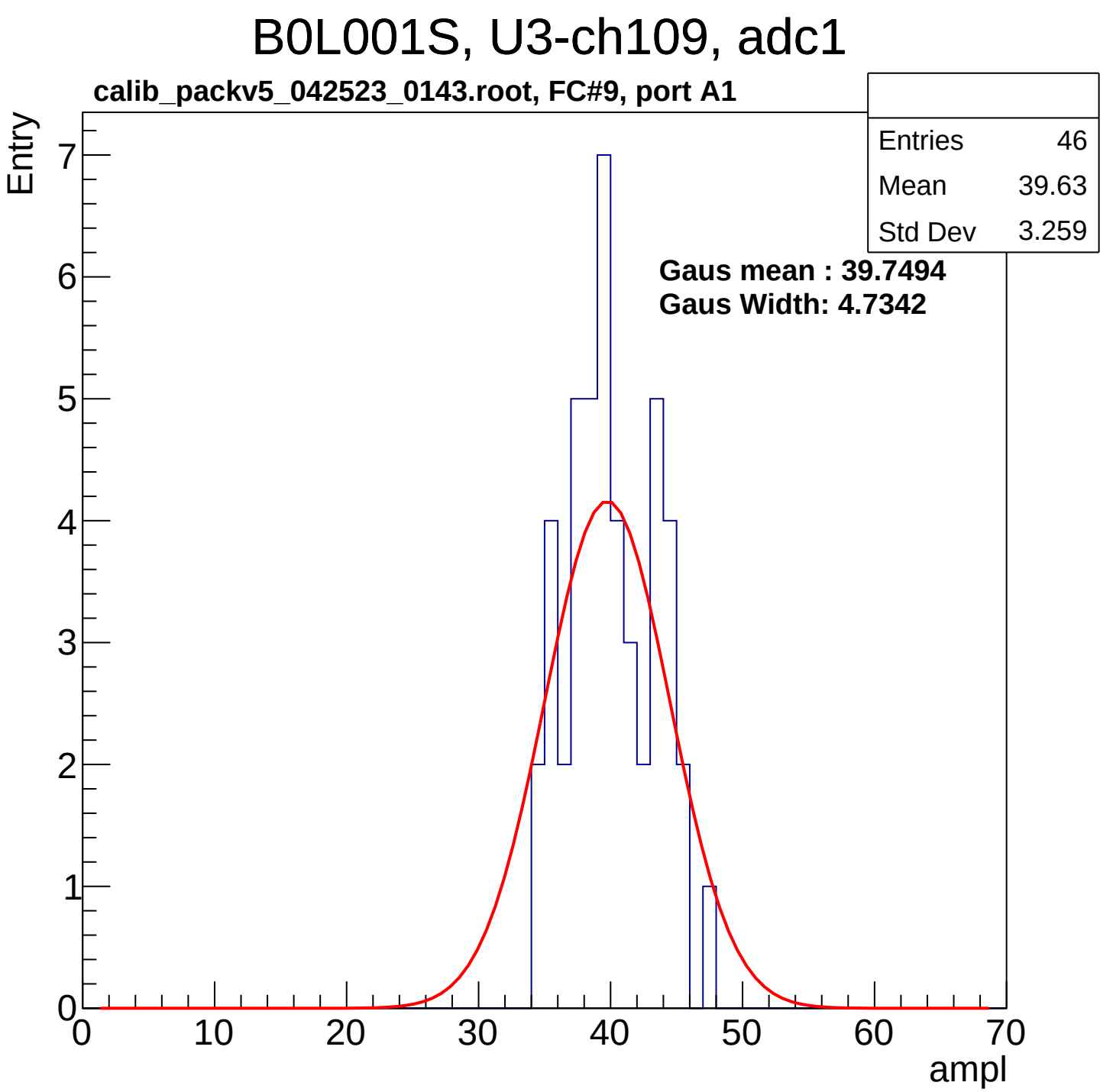
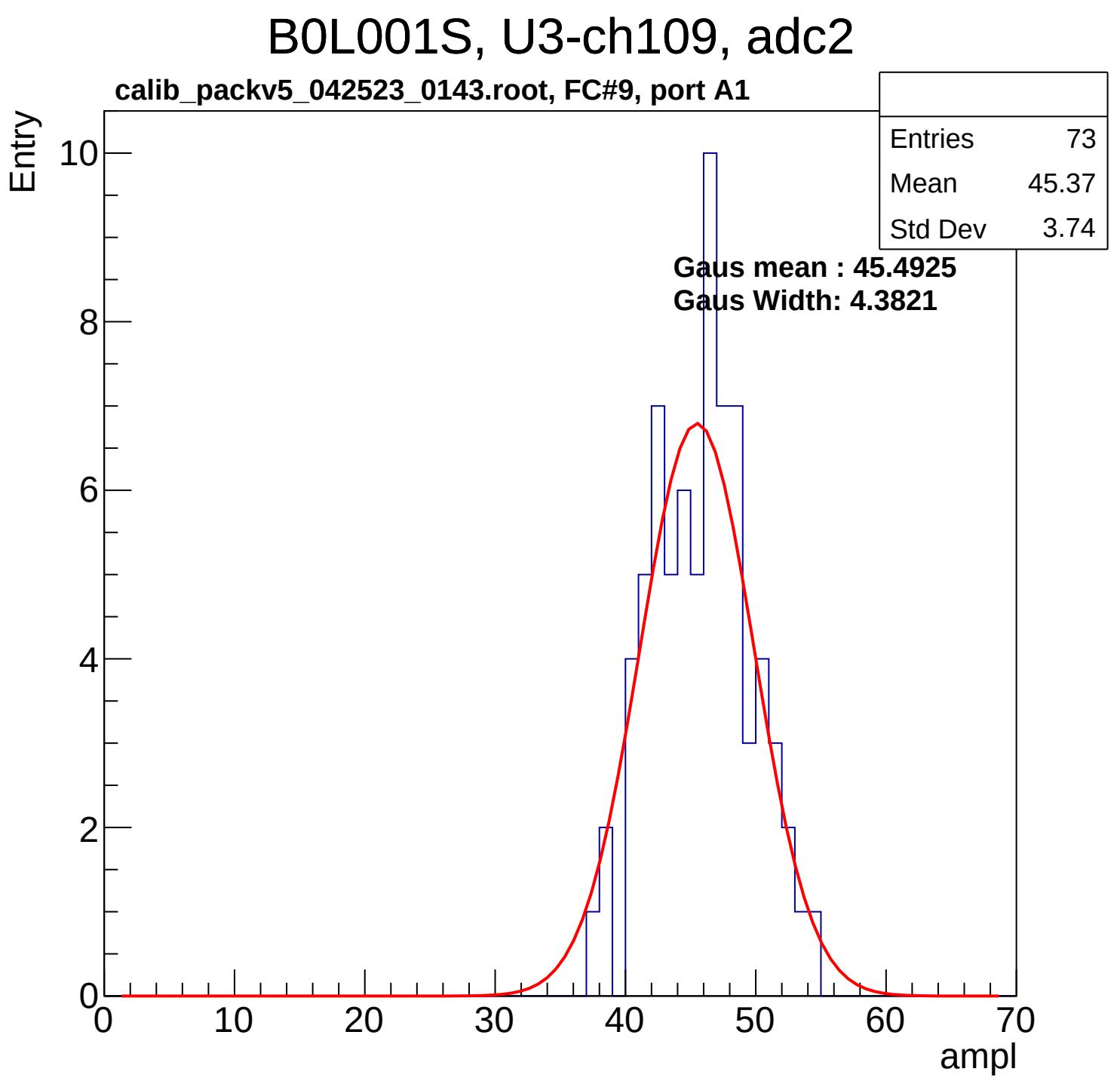
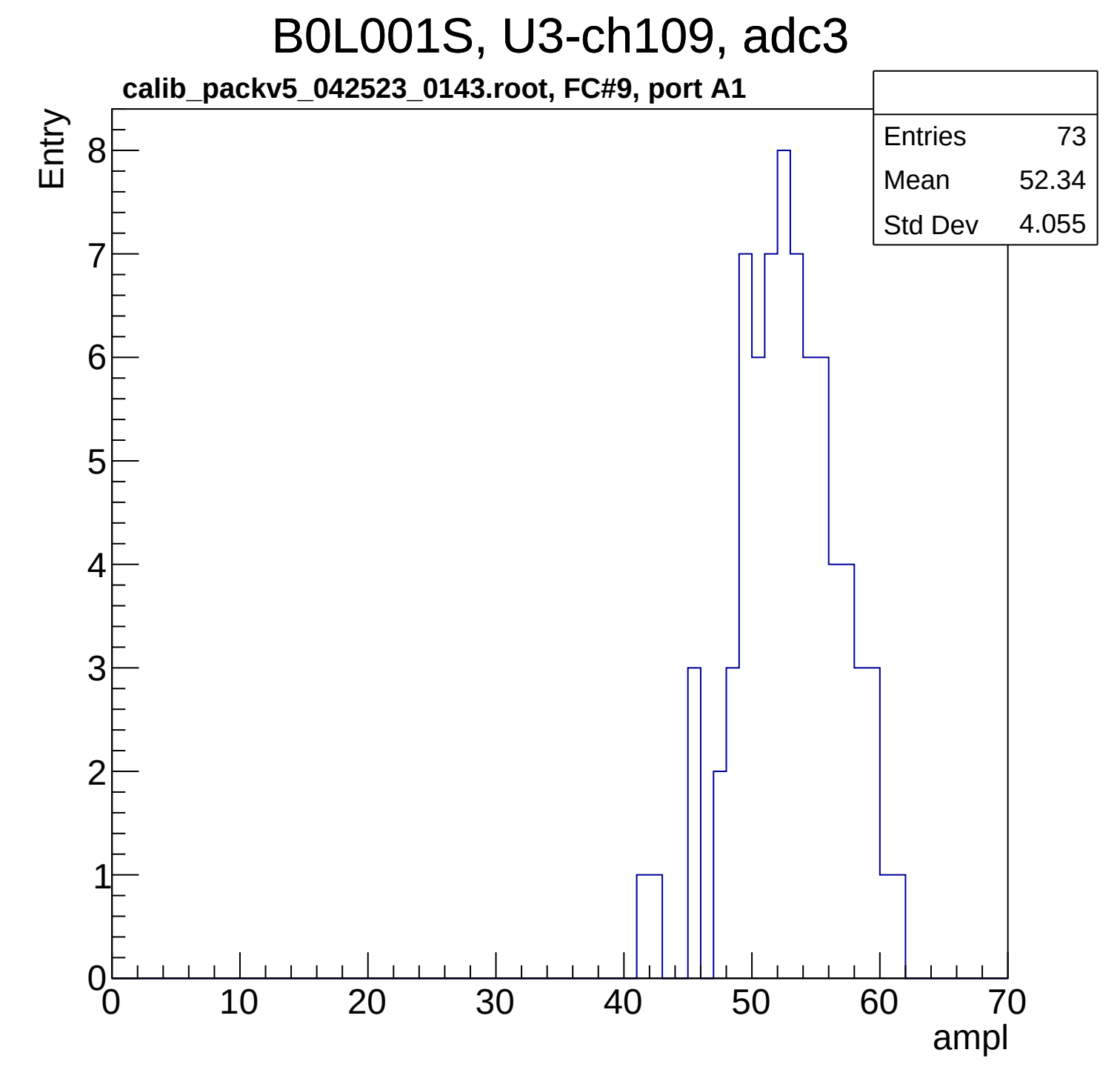

B0L001S, U3-ch108, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 14
Mean 61.36
Std Dev 1.231
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70

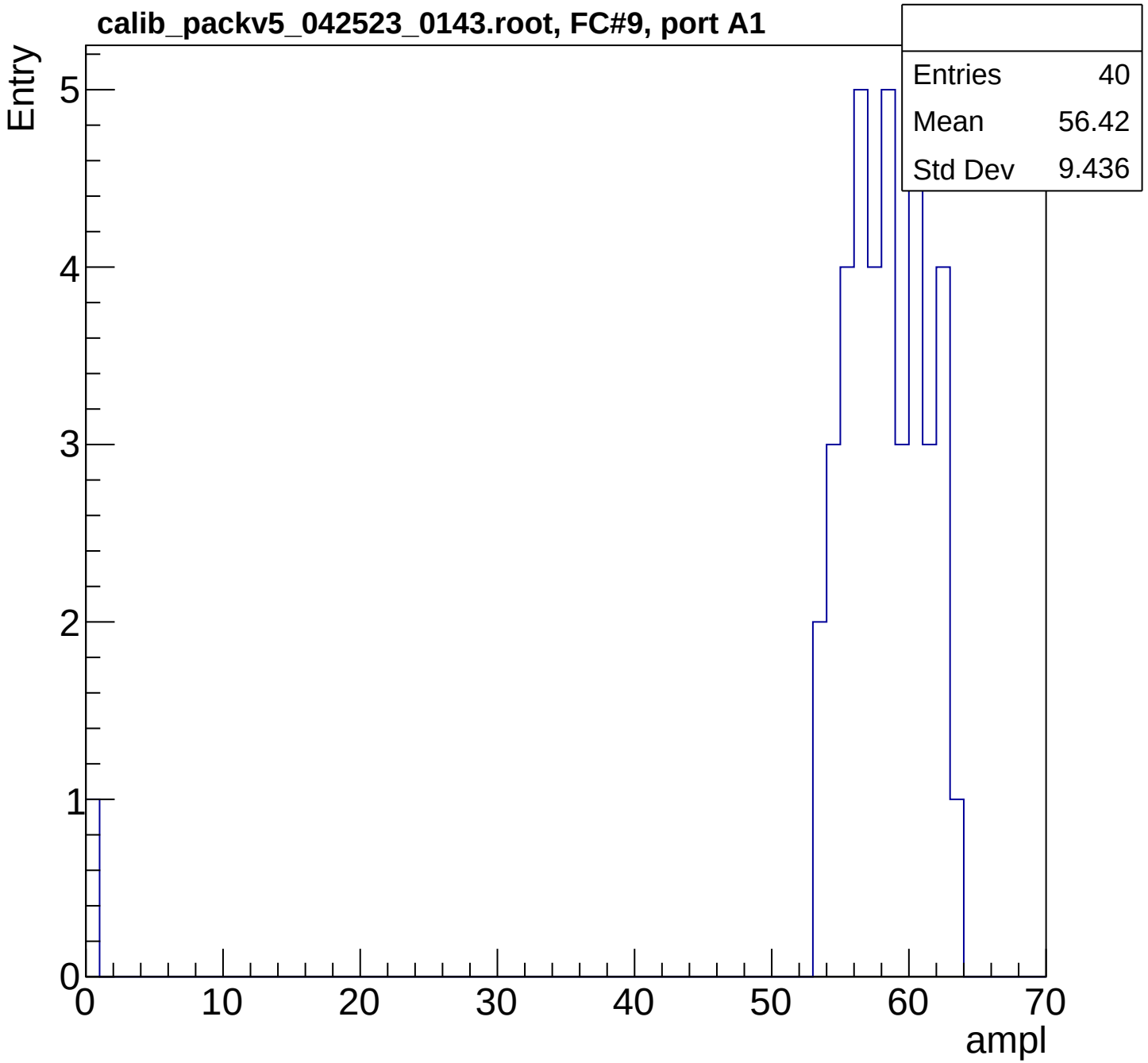

B0L001S, U3-ch108, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

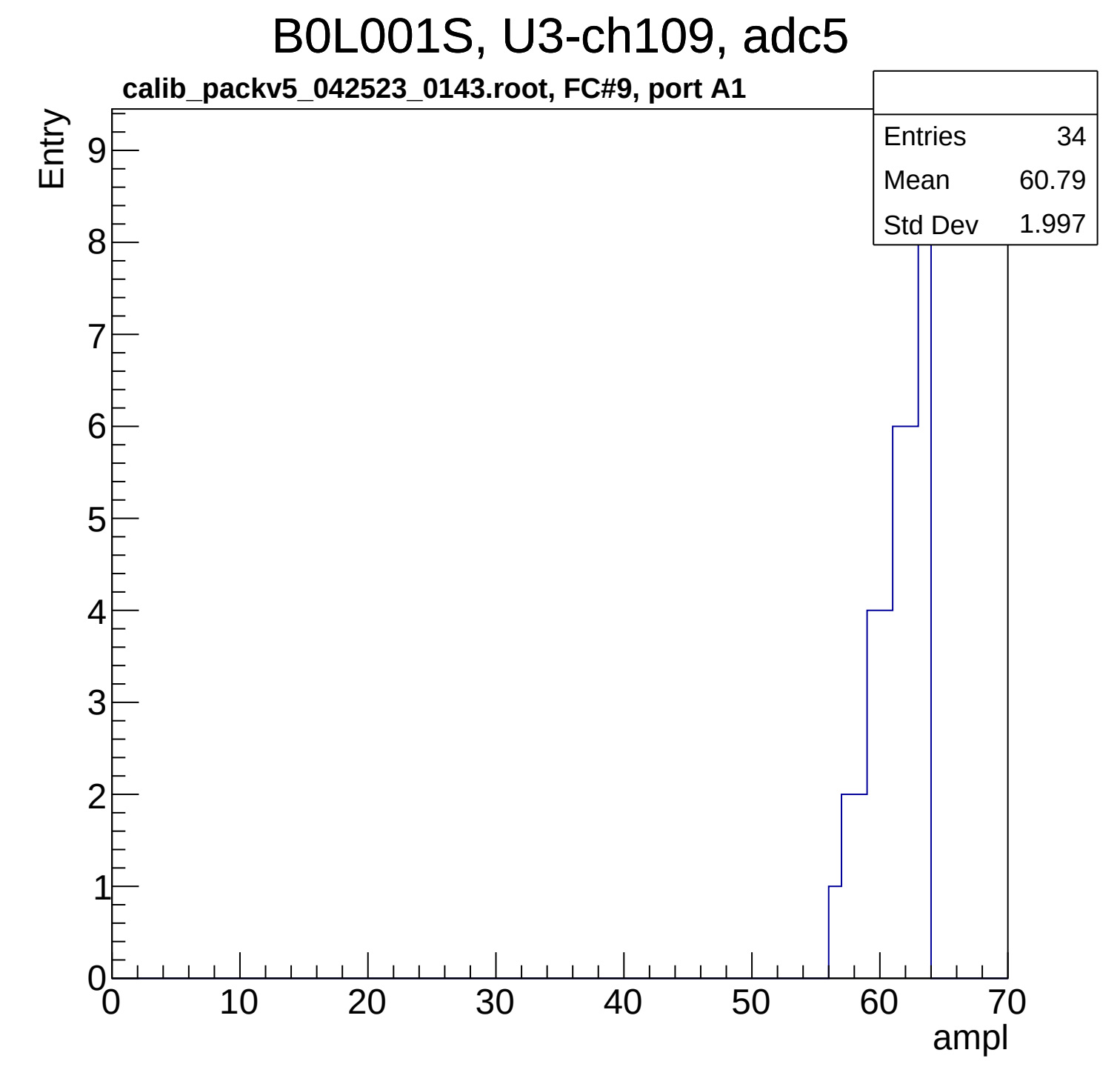

B0L001S, U3-ch109, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 33.45
Std Dev 3.726
Gaus mean : 34.1337
Gaus Width: 4.2085
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

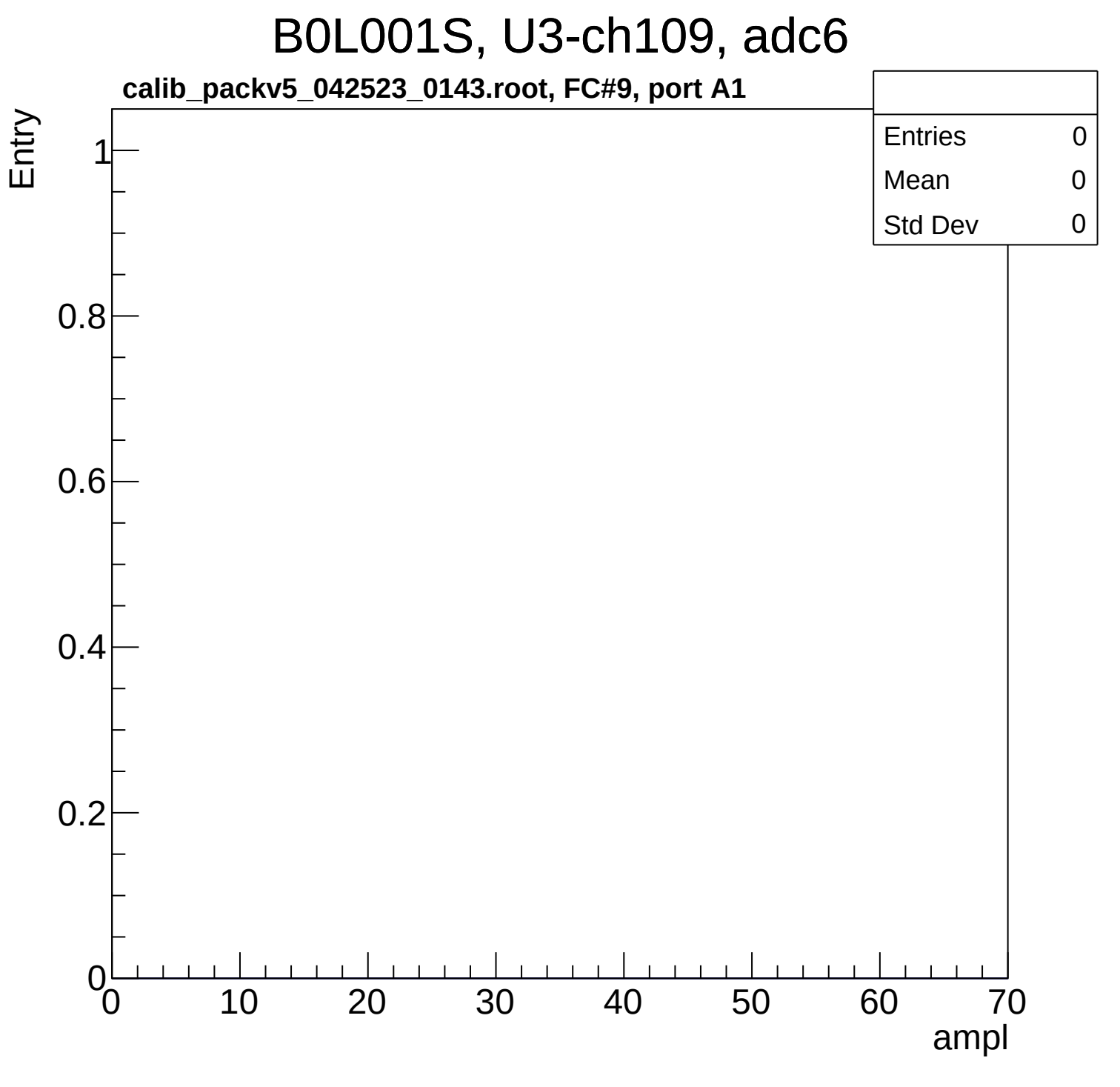

B0L001S, U3-ch109, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 46
Mean 39.63
Std Dev 3.259
Gaus mean : 39.7494
Gaus Width: 4.7342
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

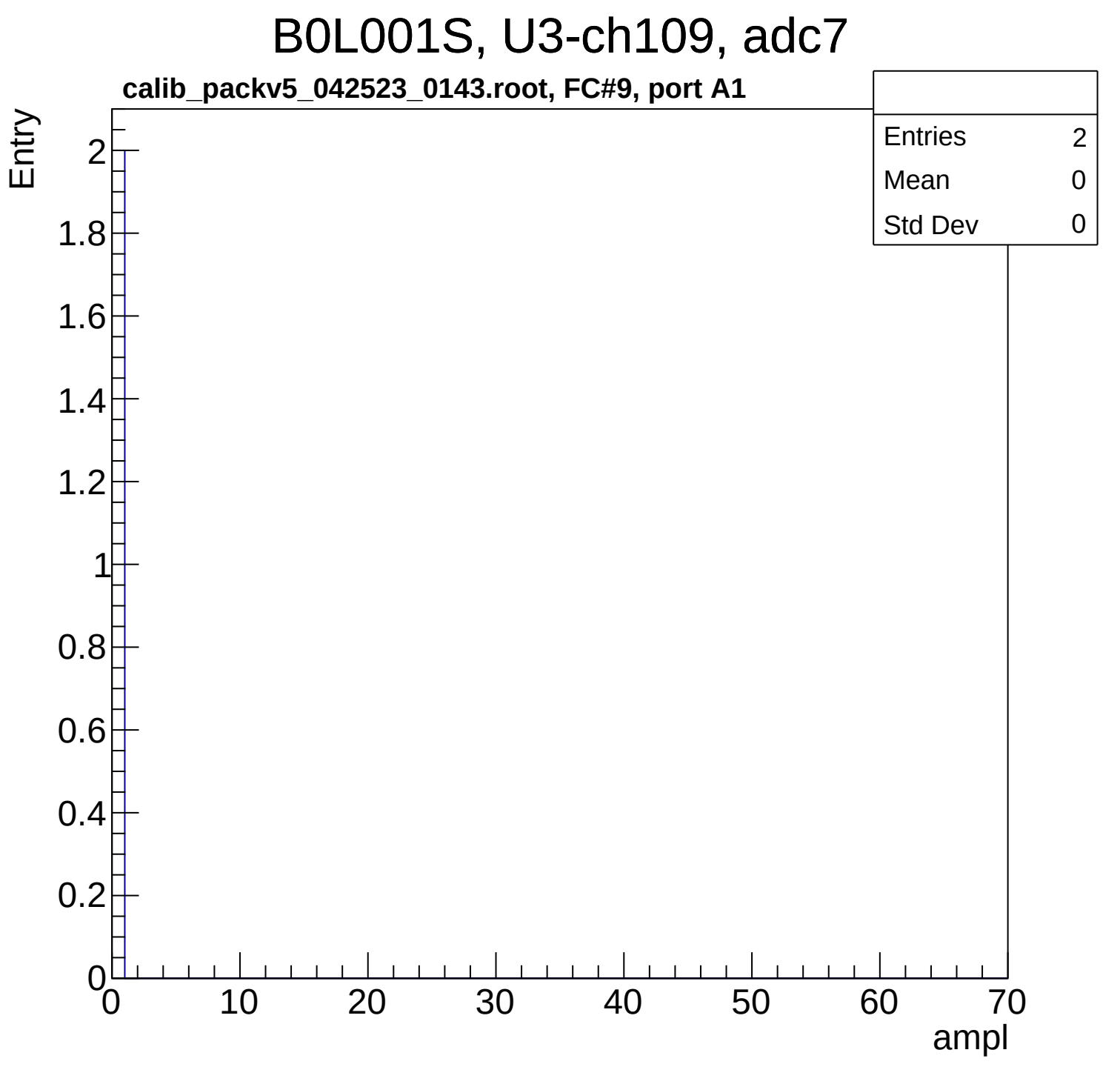

B0L001S, U3-ch109, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 45.37
Std Dev 3.74
Gaus mean : 45.4925
Gaus Width: 4.3821
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

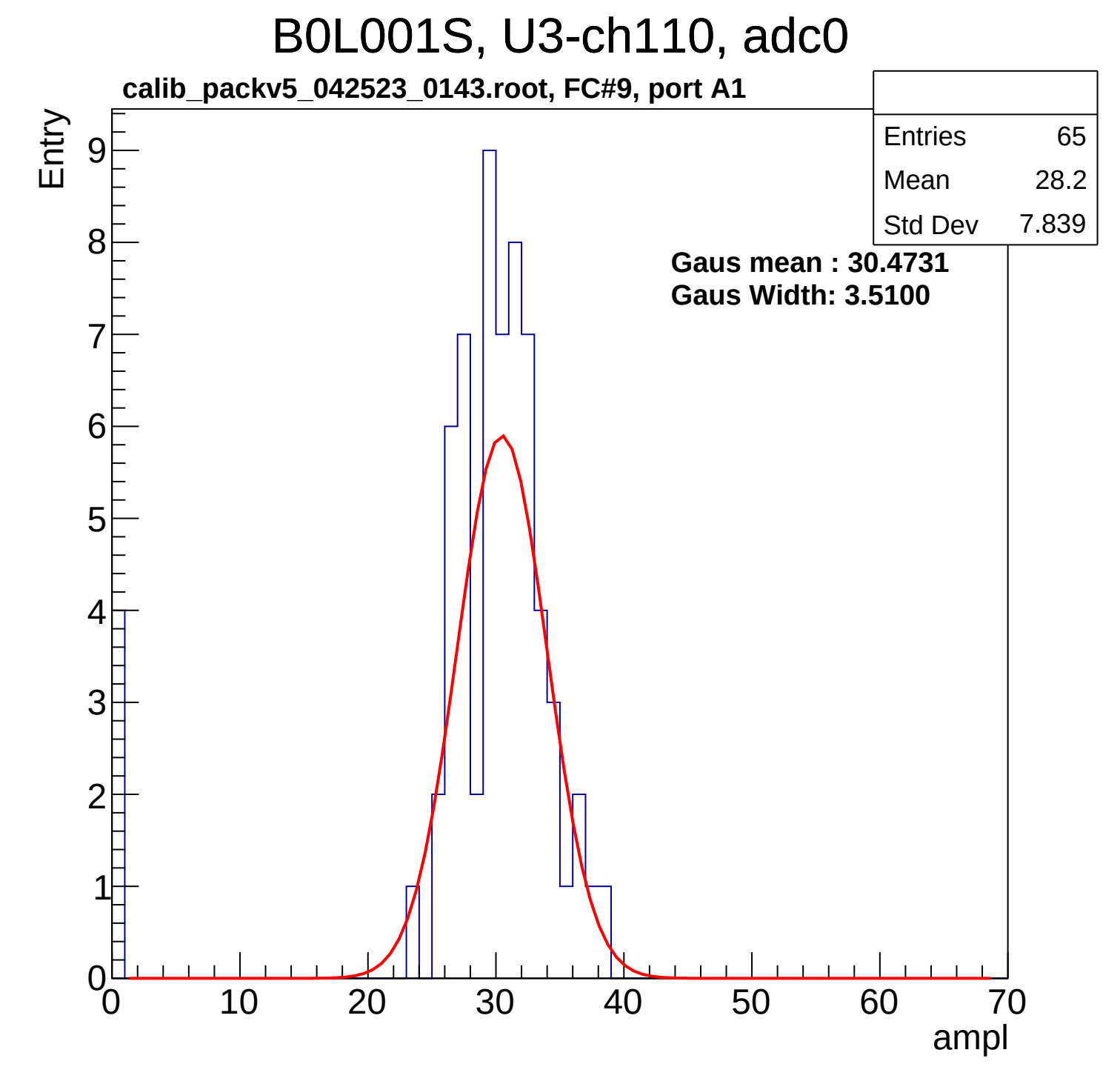

B0L001S, U3-ch109, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 52.34
Std Dev 4.055
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

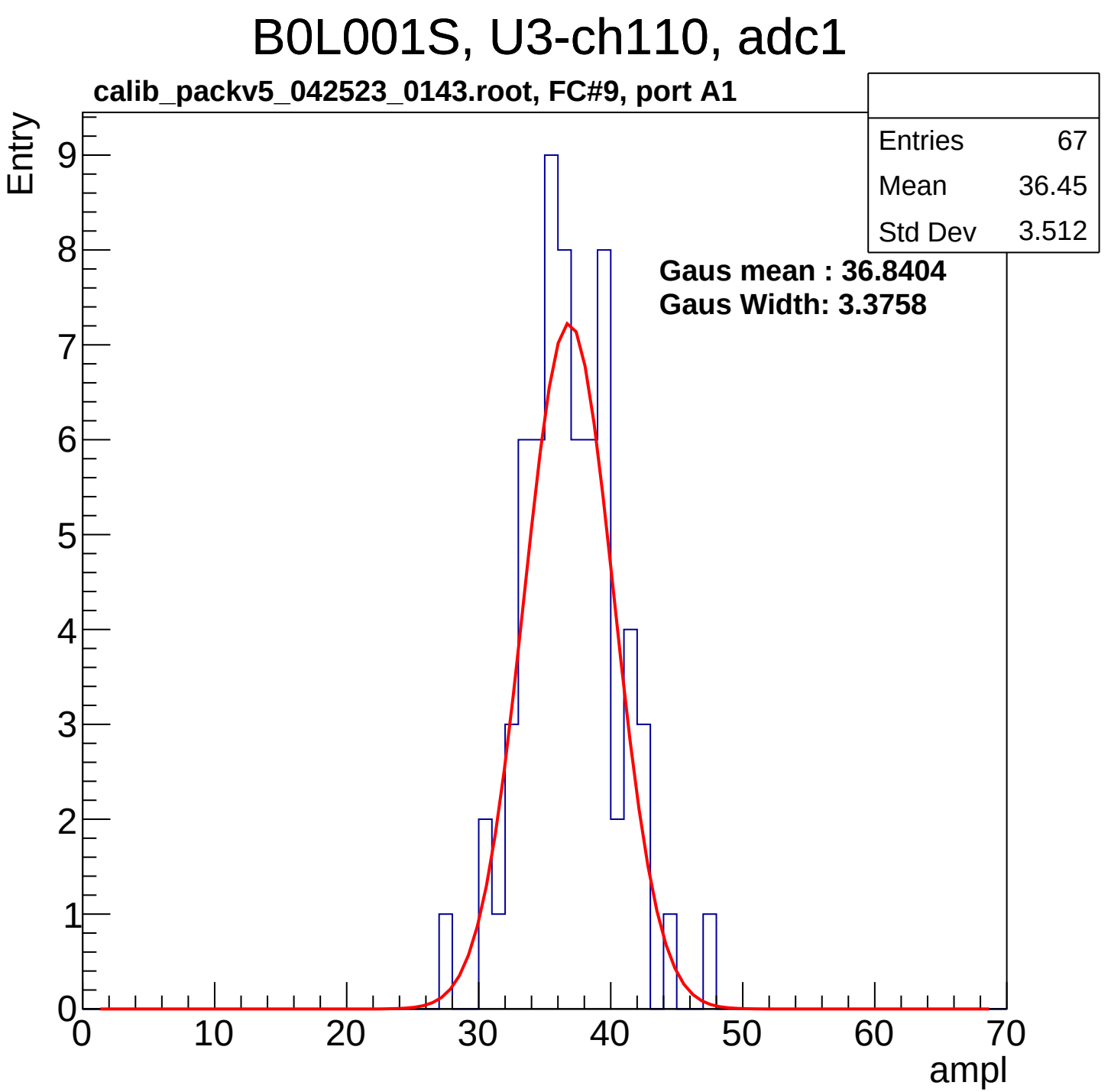

B0L001S, U3-ch109, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 56.42
Std Dev 9.436
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl

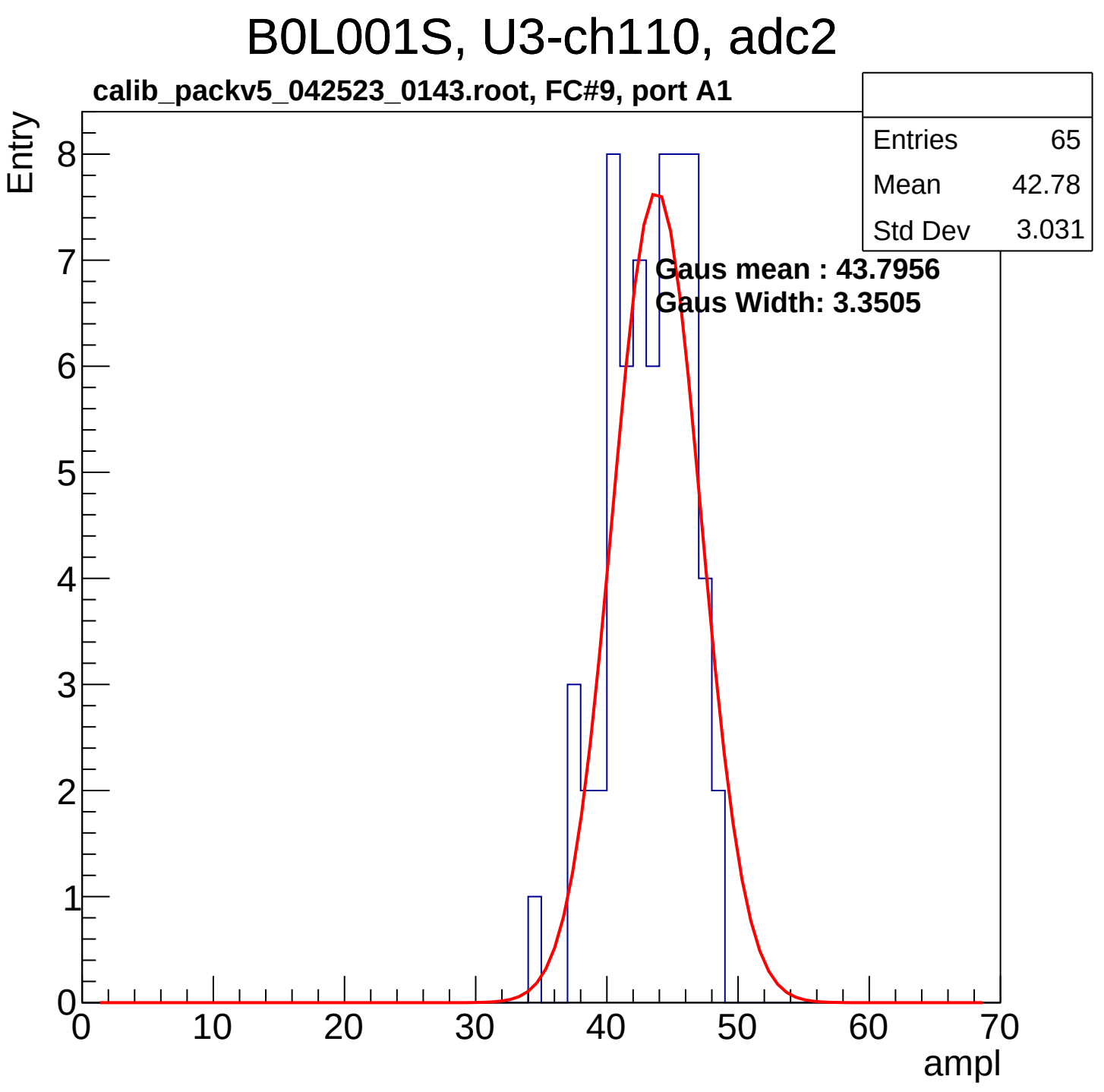

B0L001S, U3-ch109, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 34
Mean 60.79
Std Dev 1.997
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch109, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch109, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch110, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 28.2
Std Dev 7.839
Gaus mean : 30.4731
Gaus Width: 3.5100
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch110, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 36.45
Std Dev 3.512
Gaus mean : 36.8404
Gaus Width: 3.3758
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch110, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 42.78
Std Dev 3.031
Gaus mean : 43.7956
Gaus Width: 3.3505
Entry
ampl
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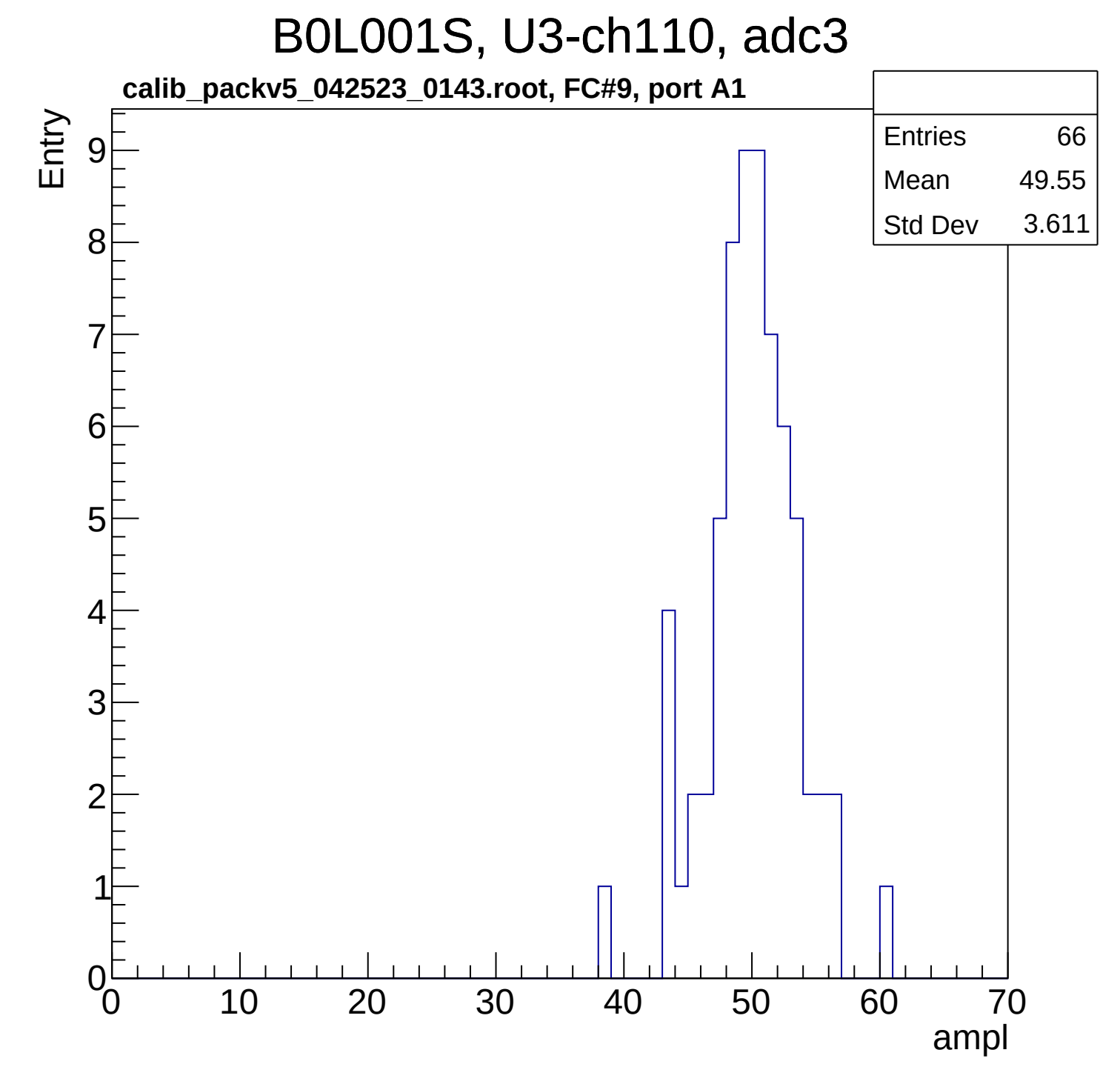
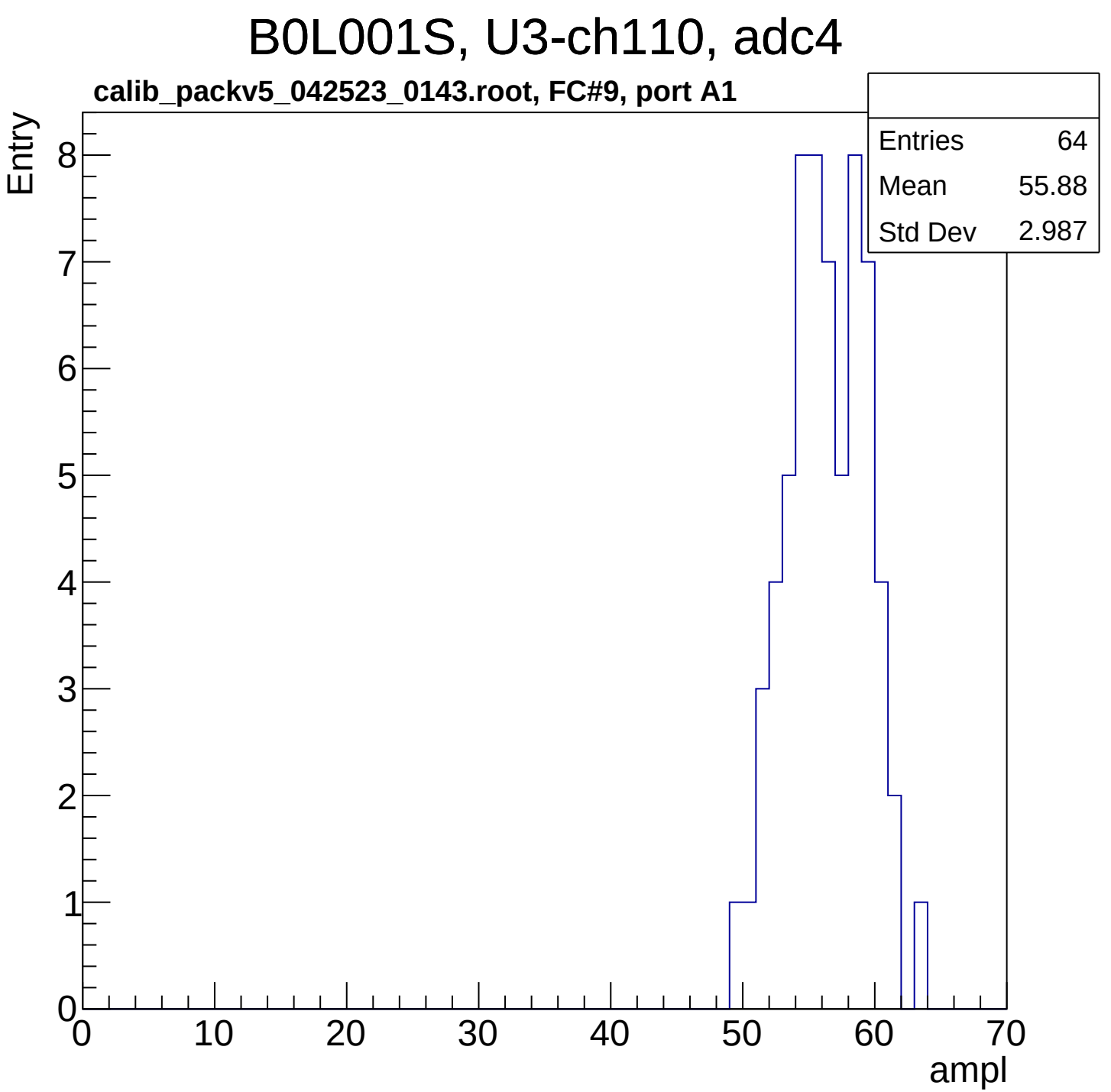
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch110, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 49.55
Std Dev 3.611
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch110, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 55.88
Std Dev 2.987
Entry
ampl
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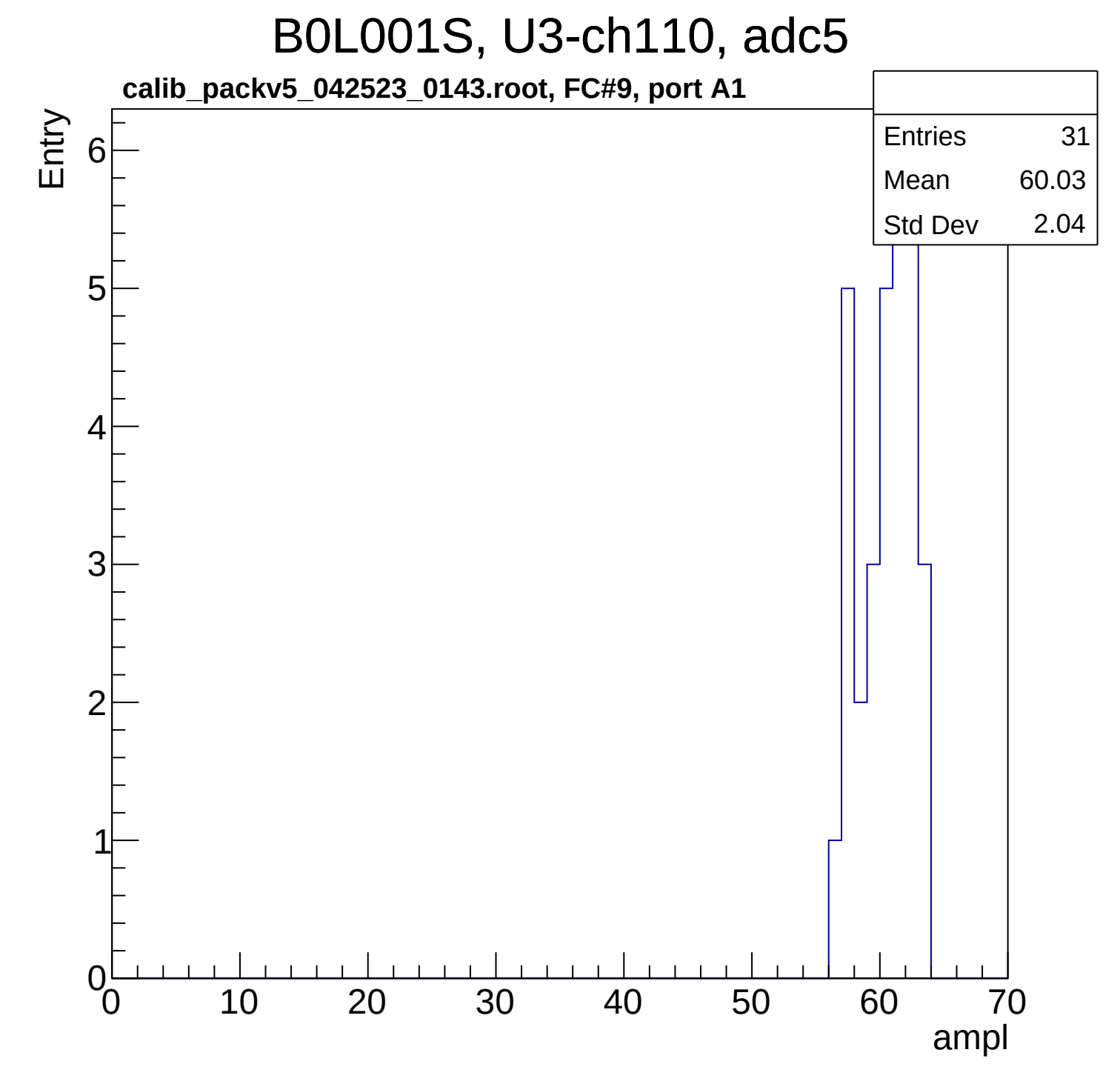
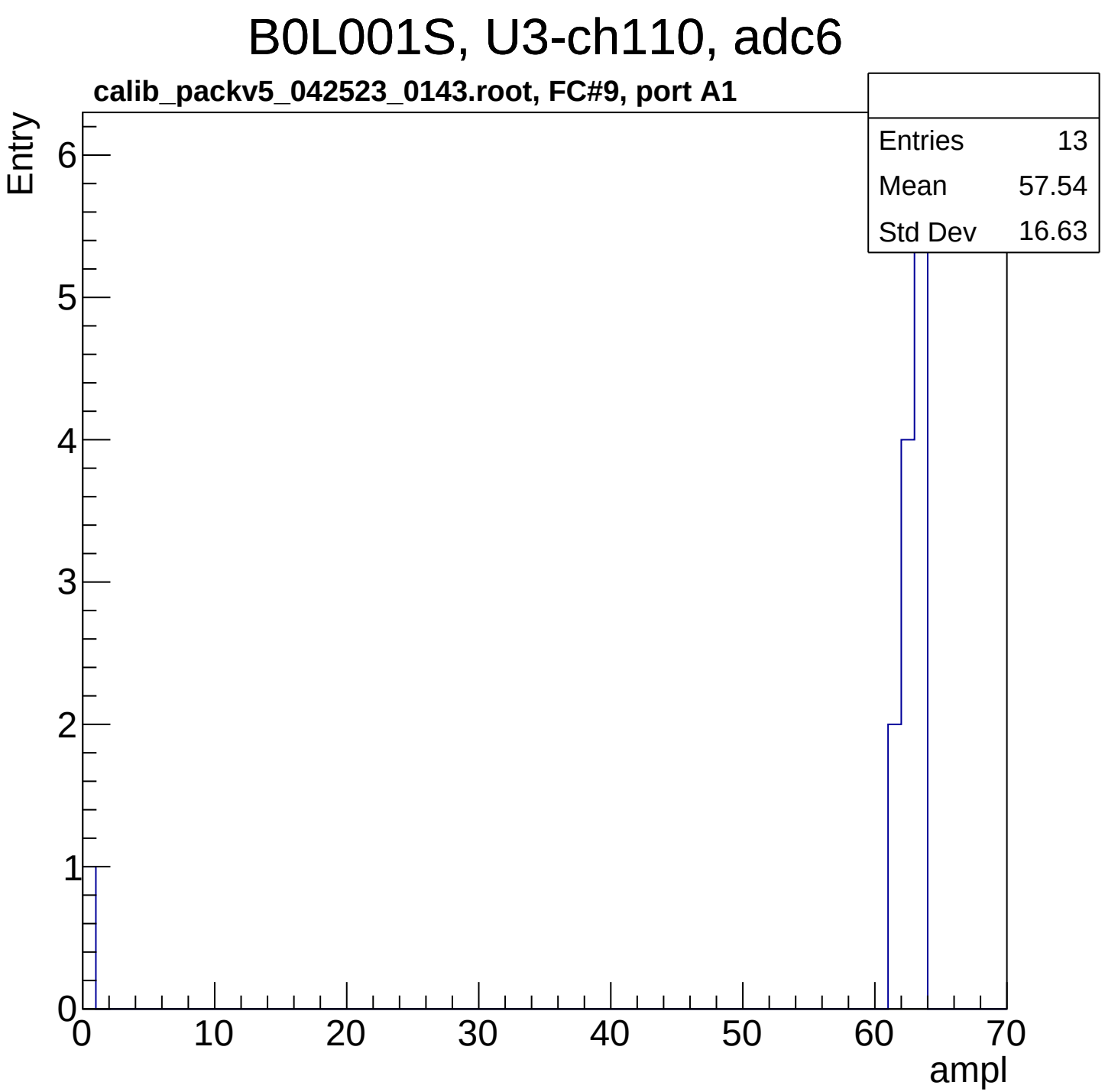
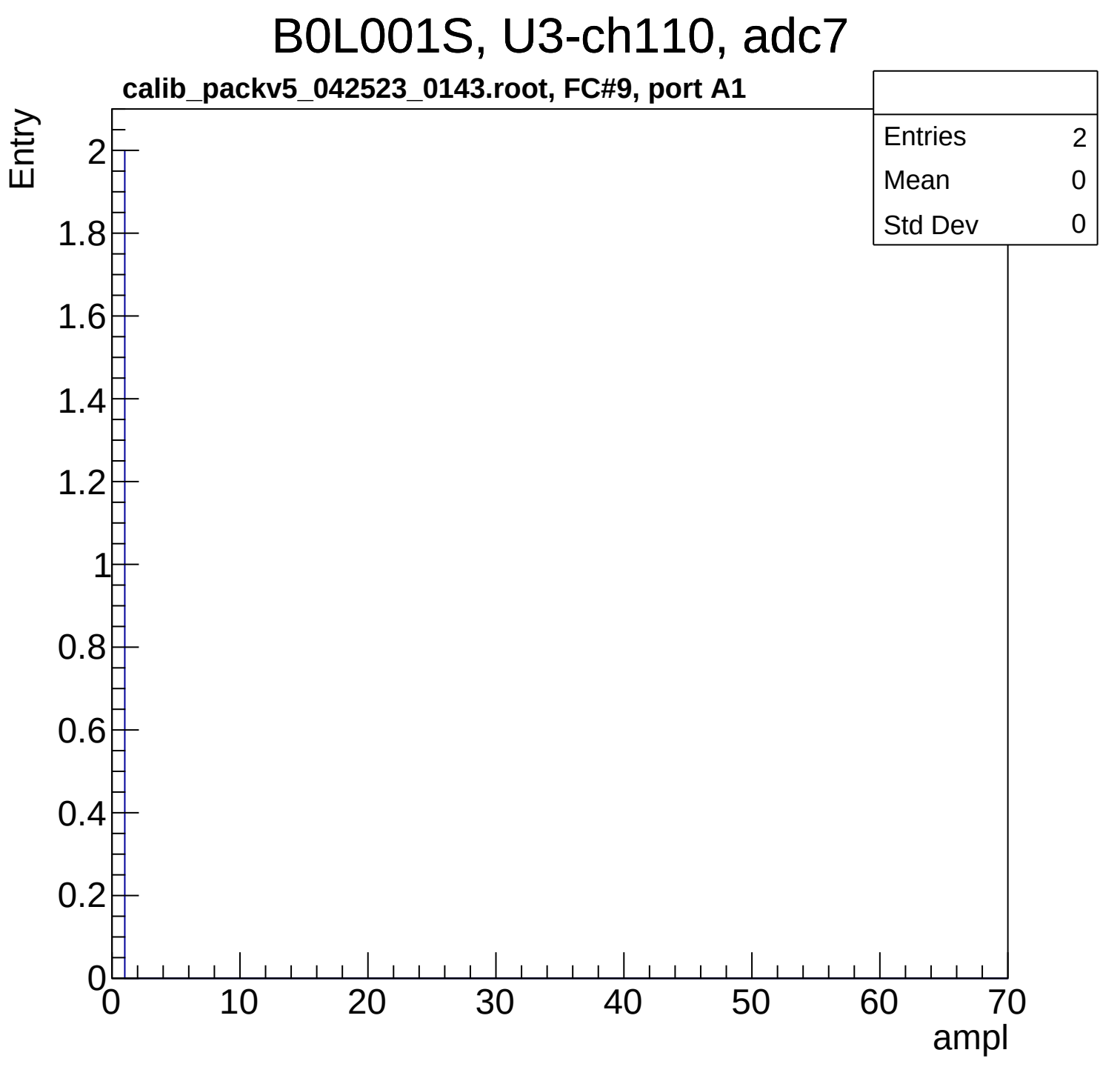
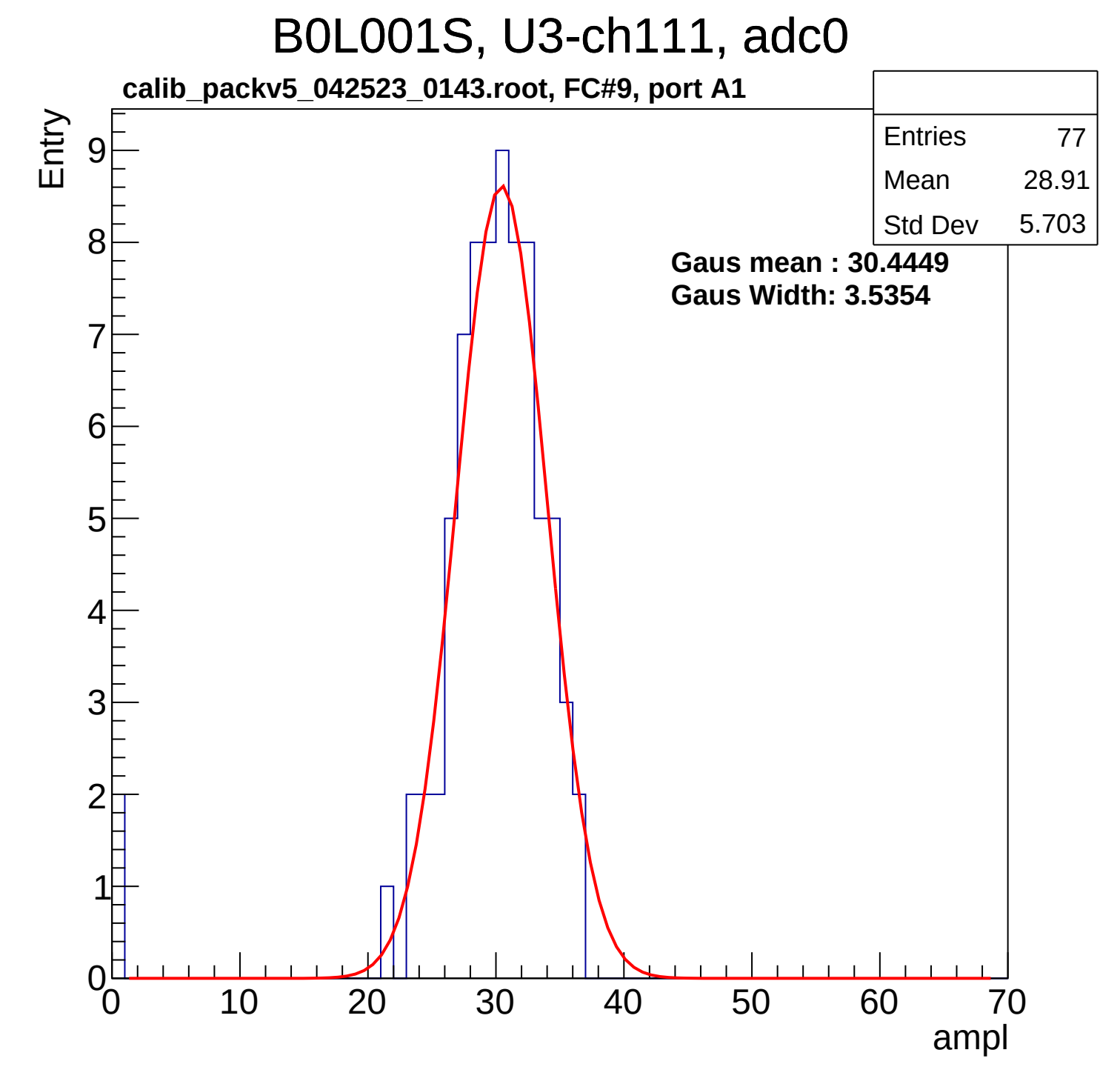
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch110, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 31
Mean 60.03
Std Dev 2.04
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch110, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 13
Mean 57.54
Std Dev 16.63
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch110, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch111, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 28.91
Std Dev 5.703
Gaus mean : 30.4449
Gaus Width: 3.5354
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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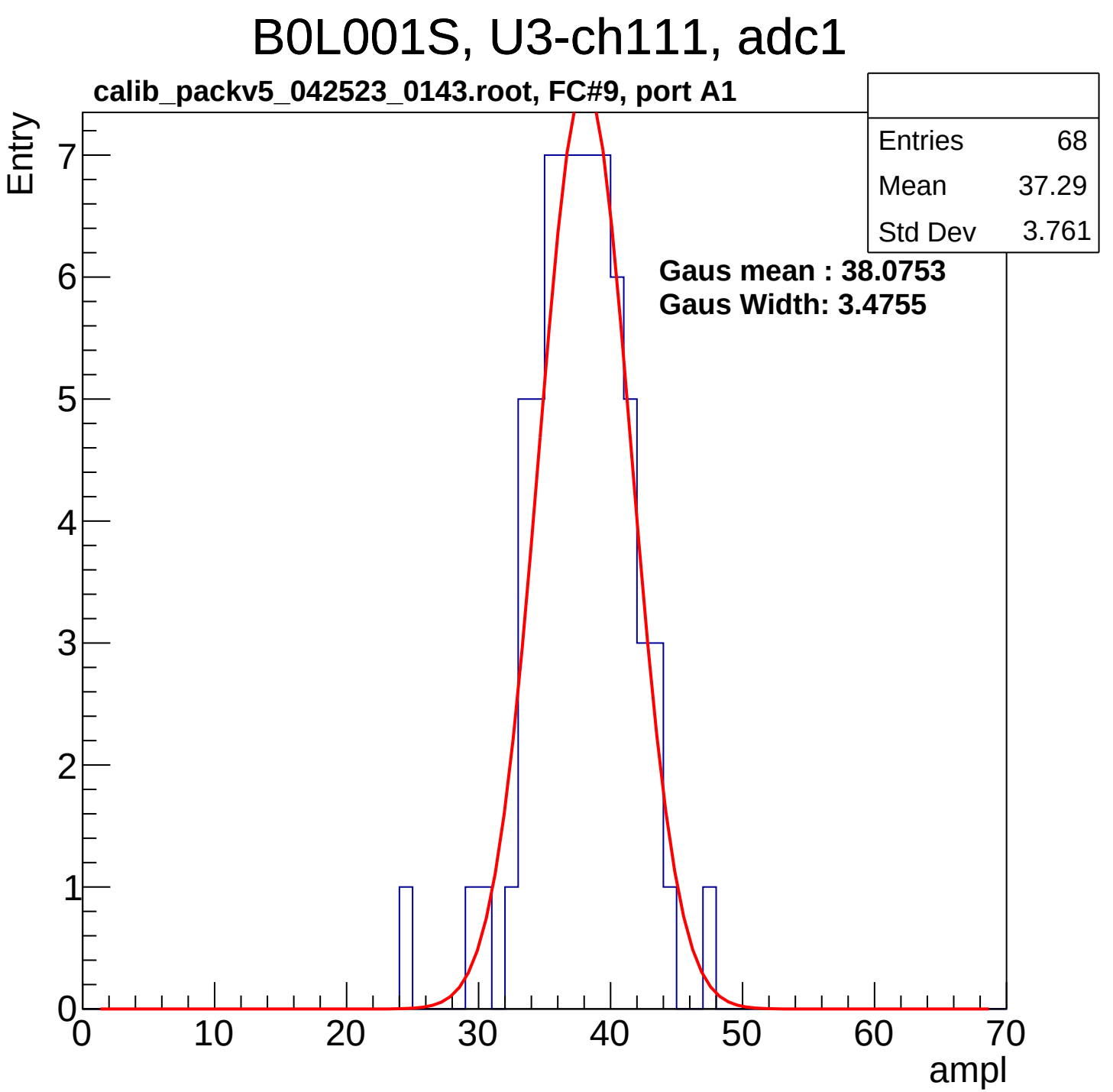
B0L001S, U3-ch111, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 37.29
Std Dev 3.761
Gaus mean : 38.0753
Gaus Width: 3.4755
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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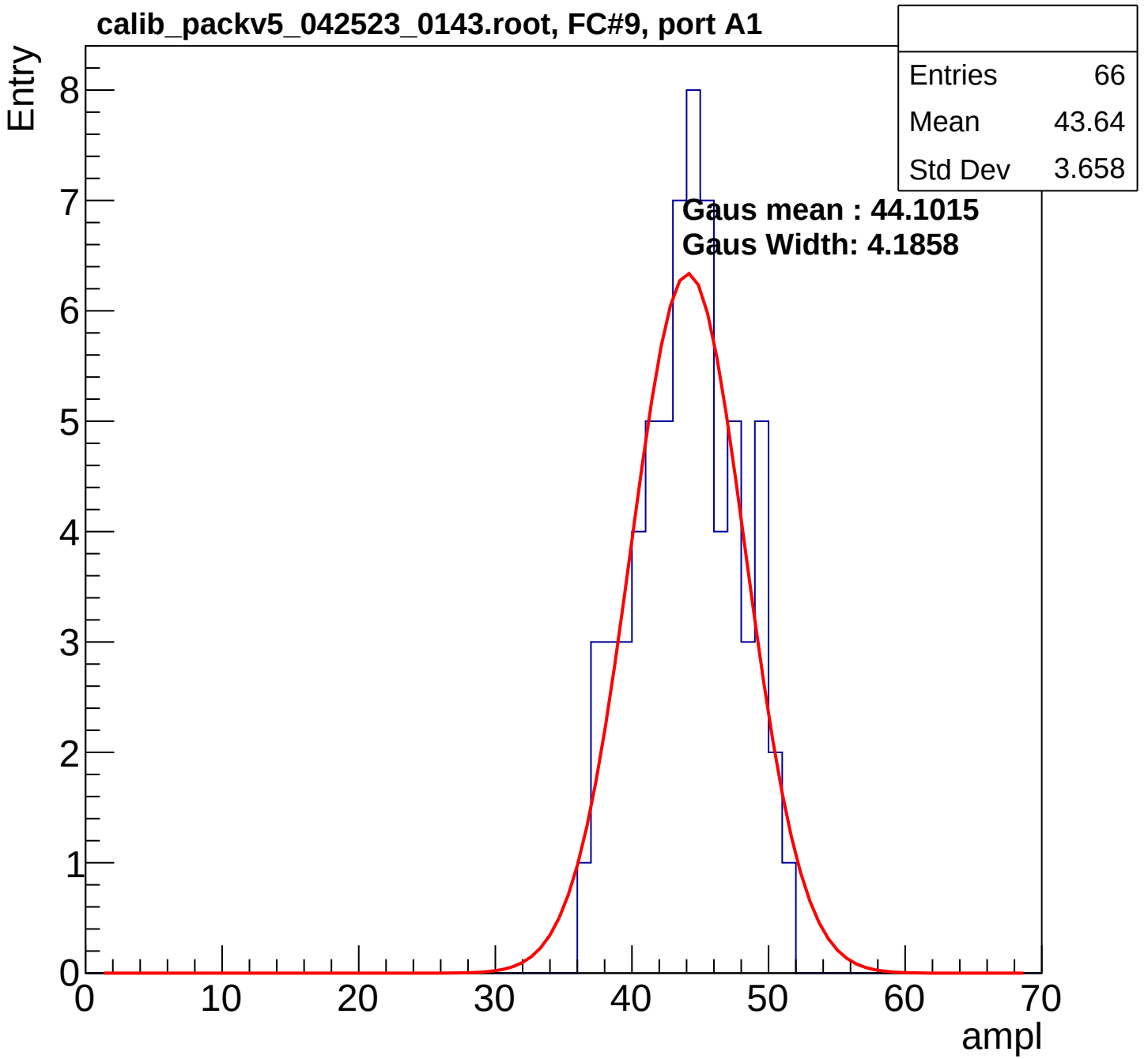
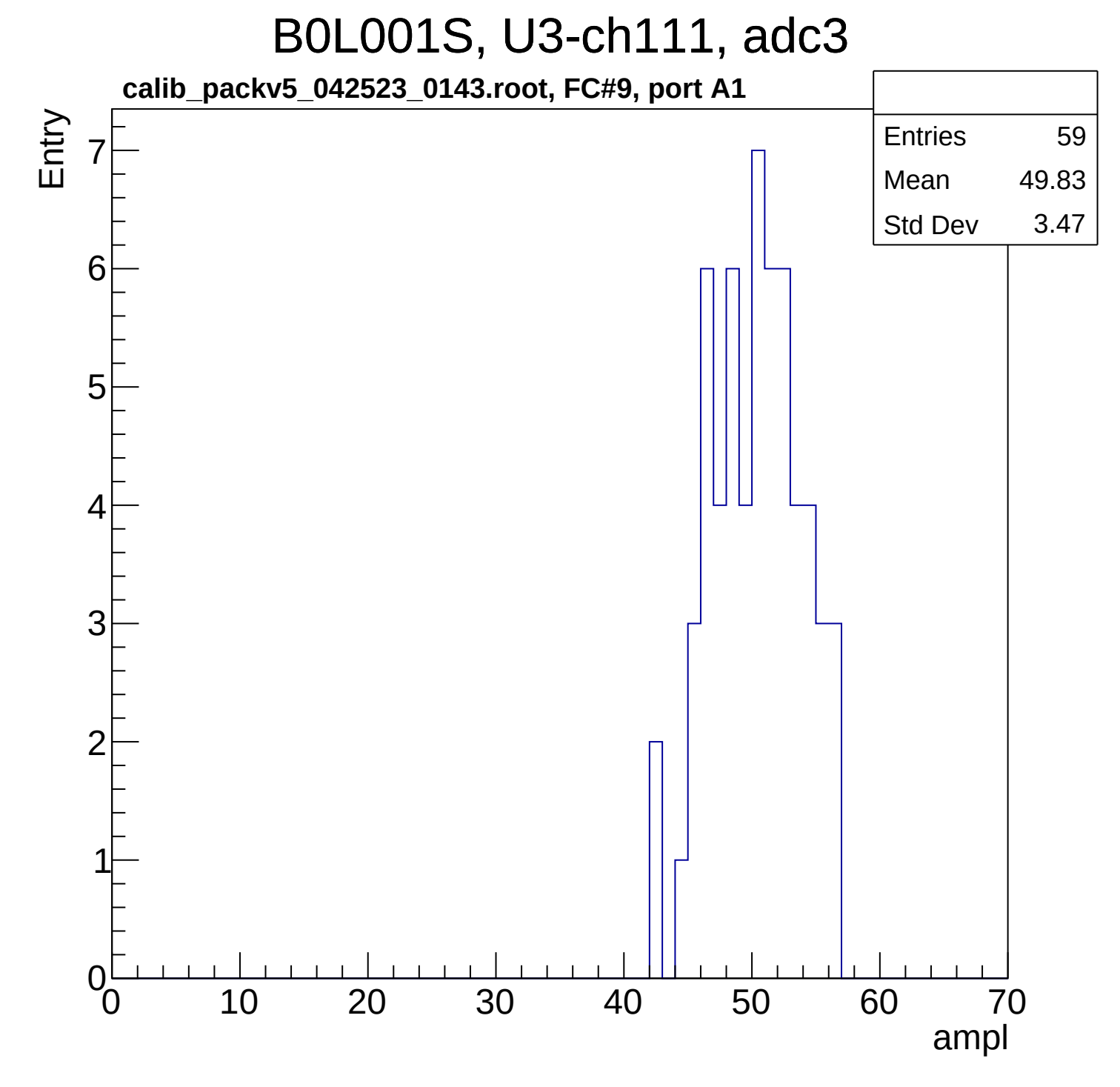

B0L001S, U3-ch111, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 43.64
Std Dev 3.658
Gaus mean : 44.1015
Gaus Width: 4.1858
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch111, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 49.83
Std Dev 3.47
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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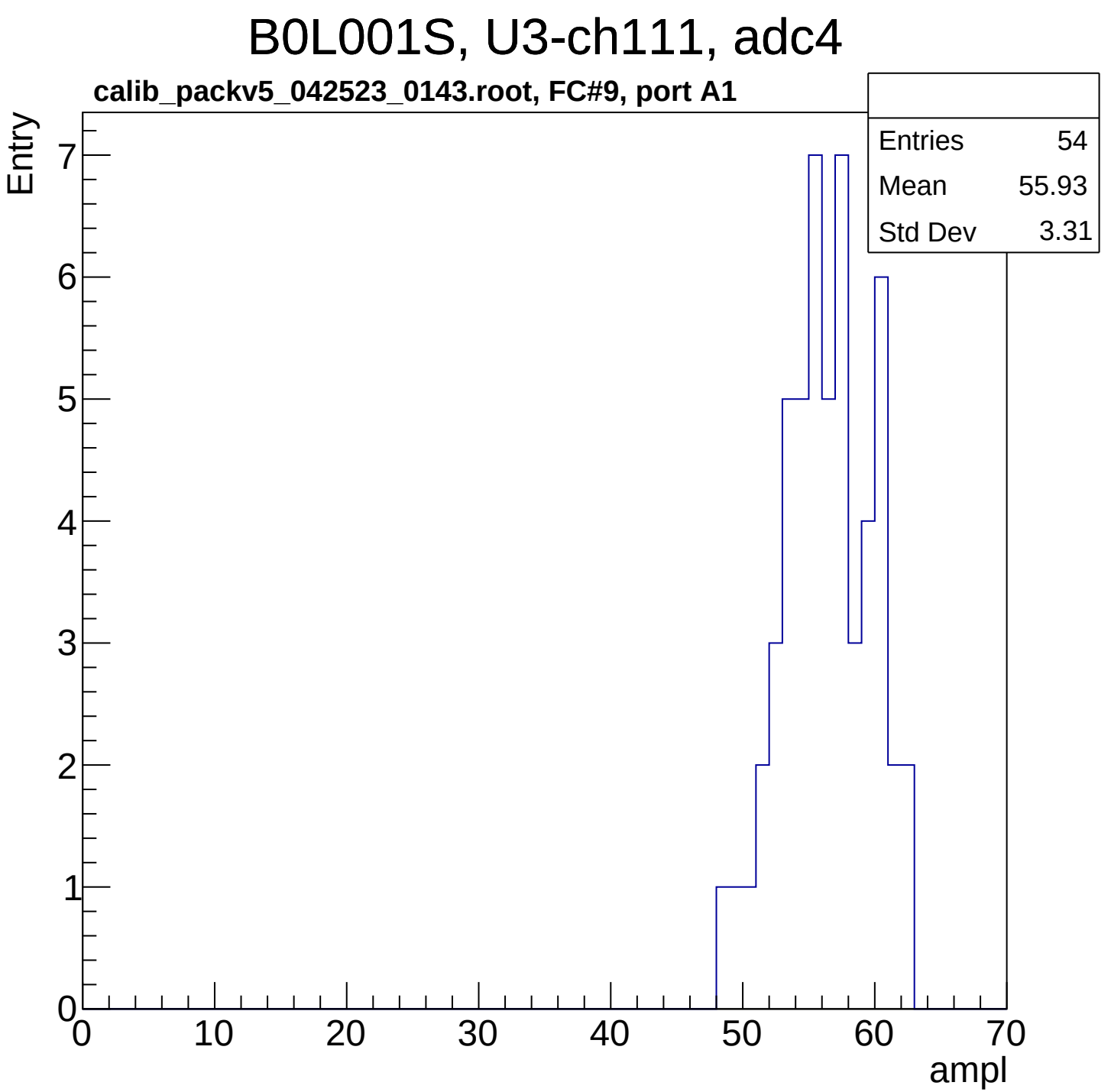
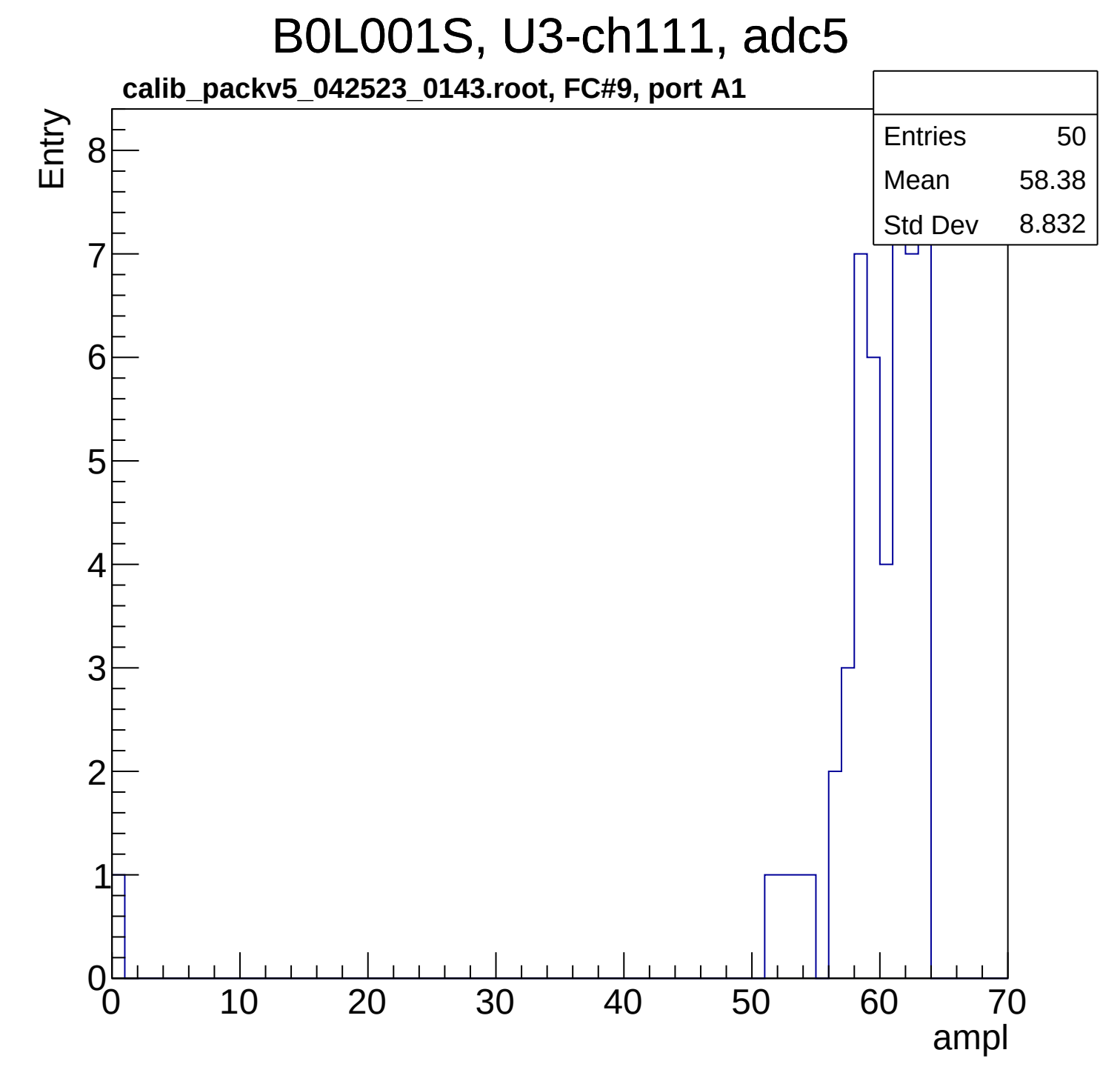

B0L001S, U3-ch111, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 55.93
Std Dev 3.31
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch111, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 58.38
Std Dev 8.832
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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40
50
60
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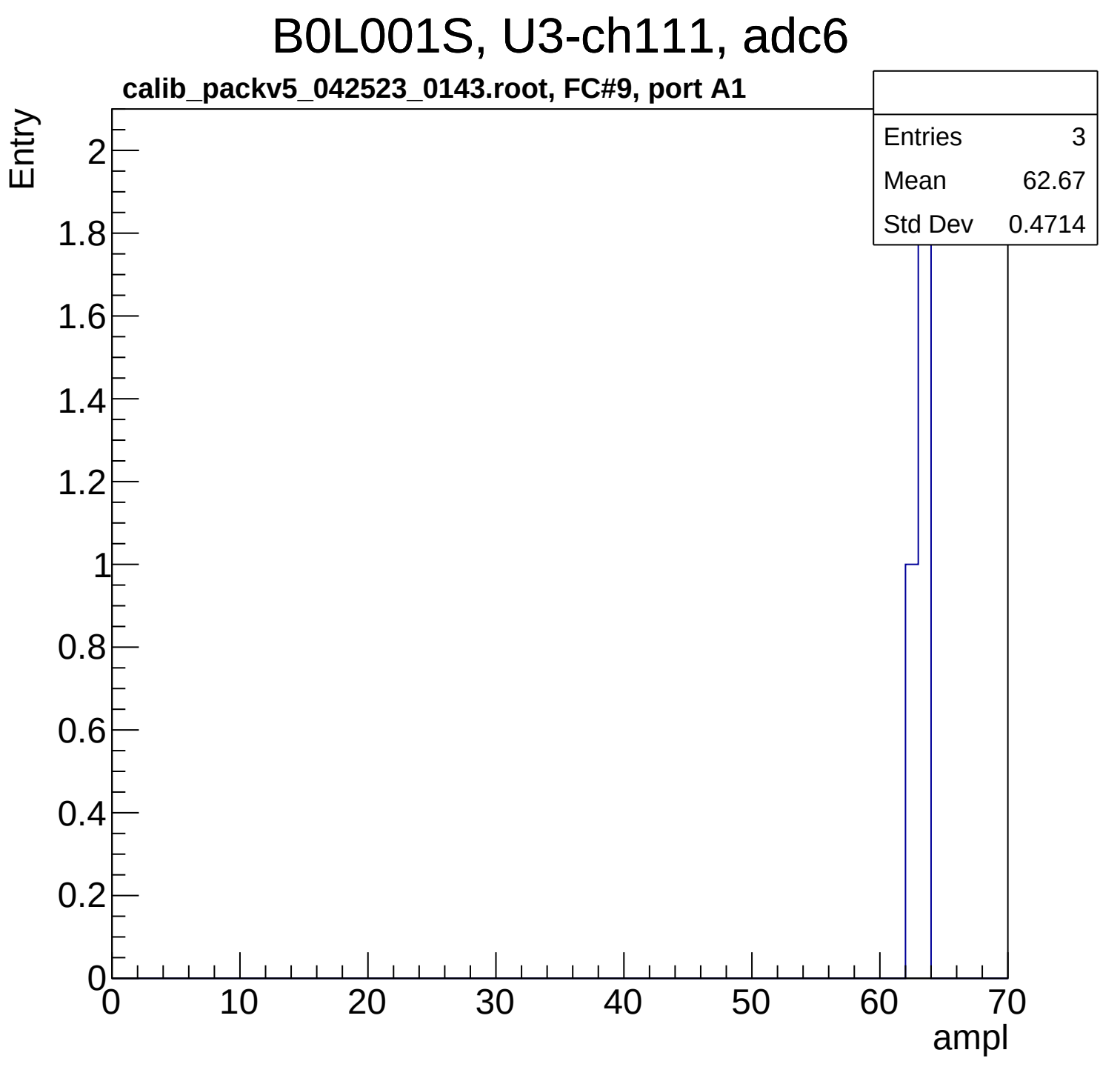
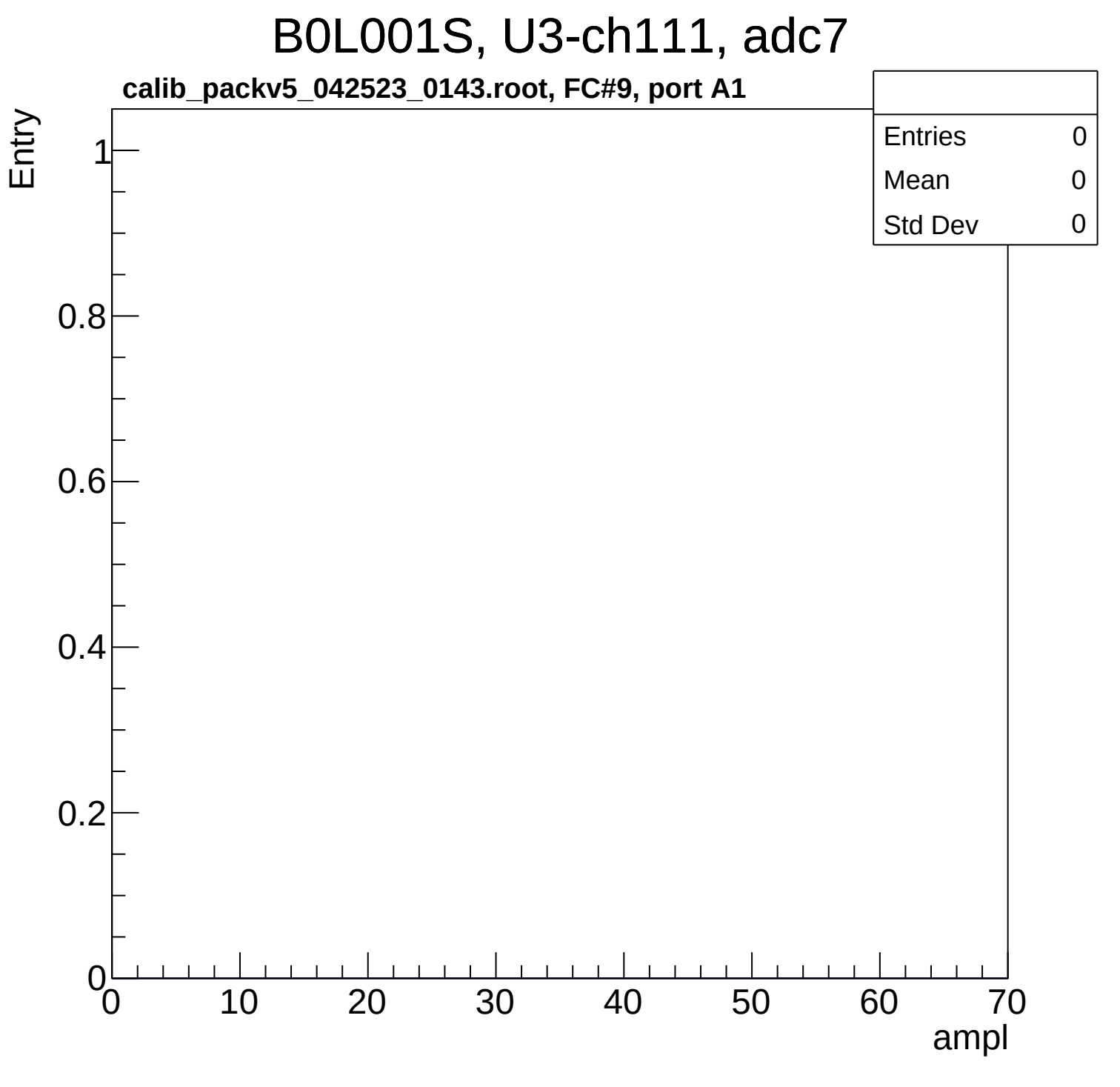
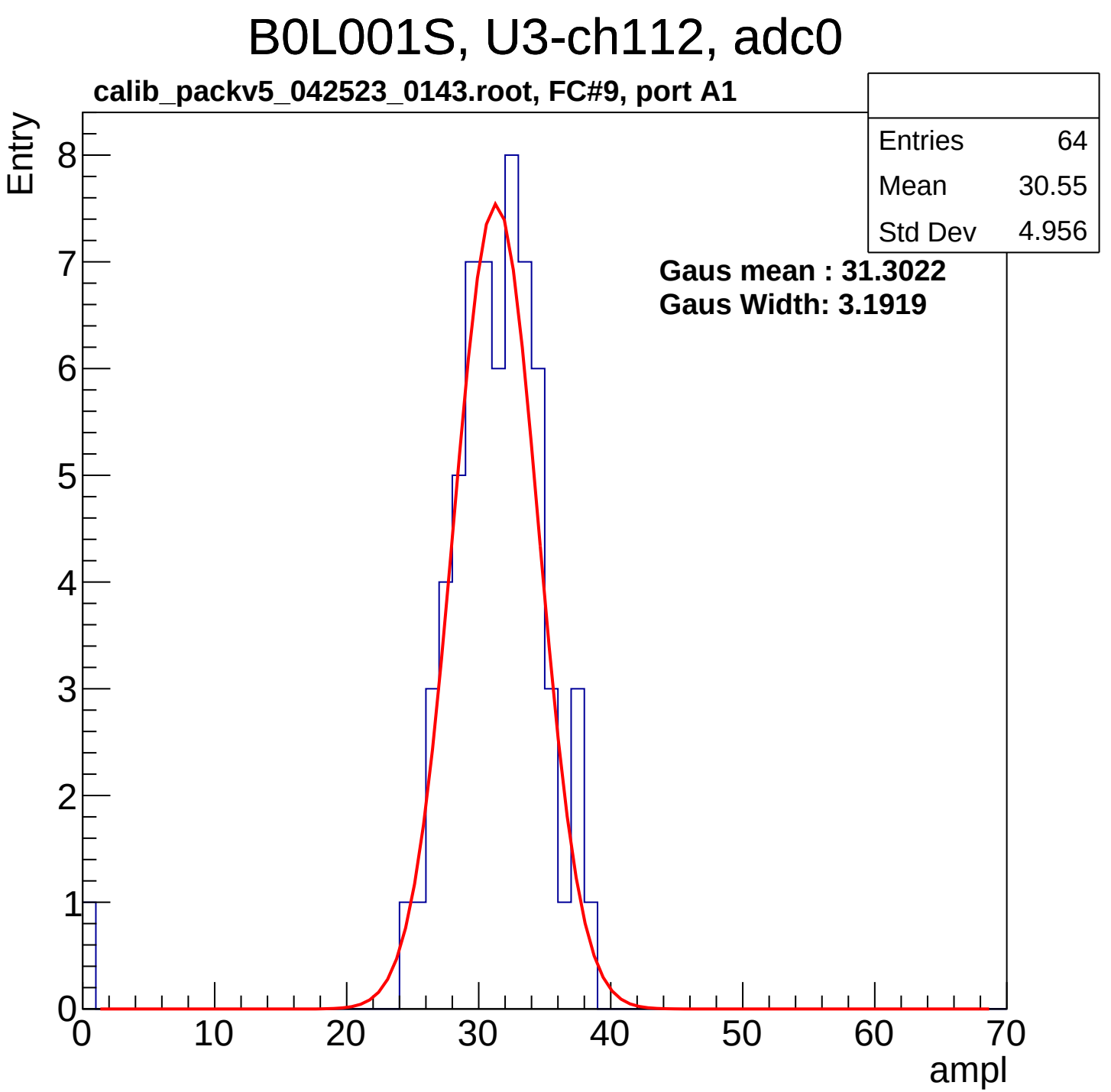

B0L001S, U3-ch111, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 3
Mean 62.67
Std Dev 0.4714
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch111, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch112, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 30.55
Std Dev 4.956
Gaus mean : 31.3022
Gaus Width: 3.1919
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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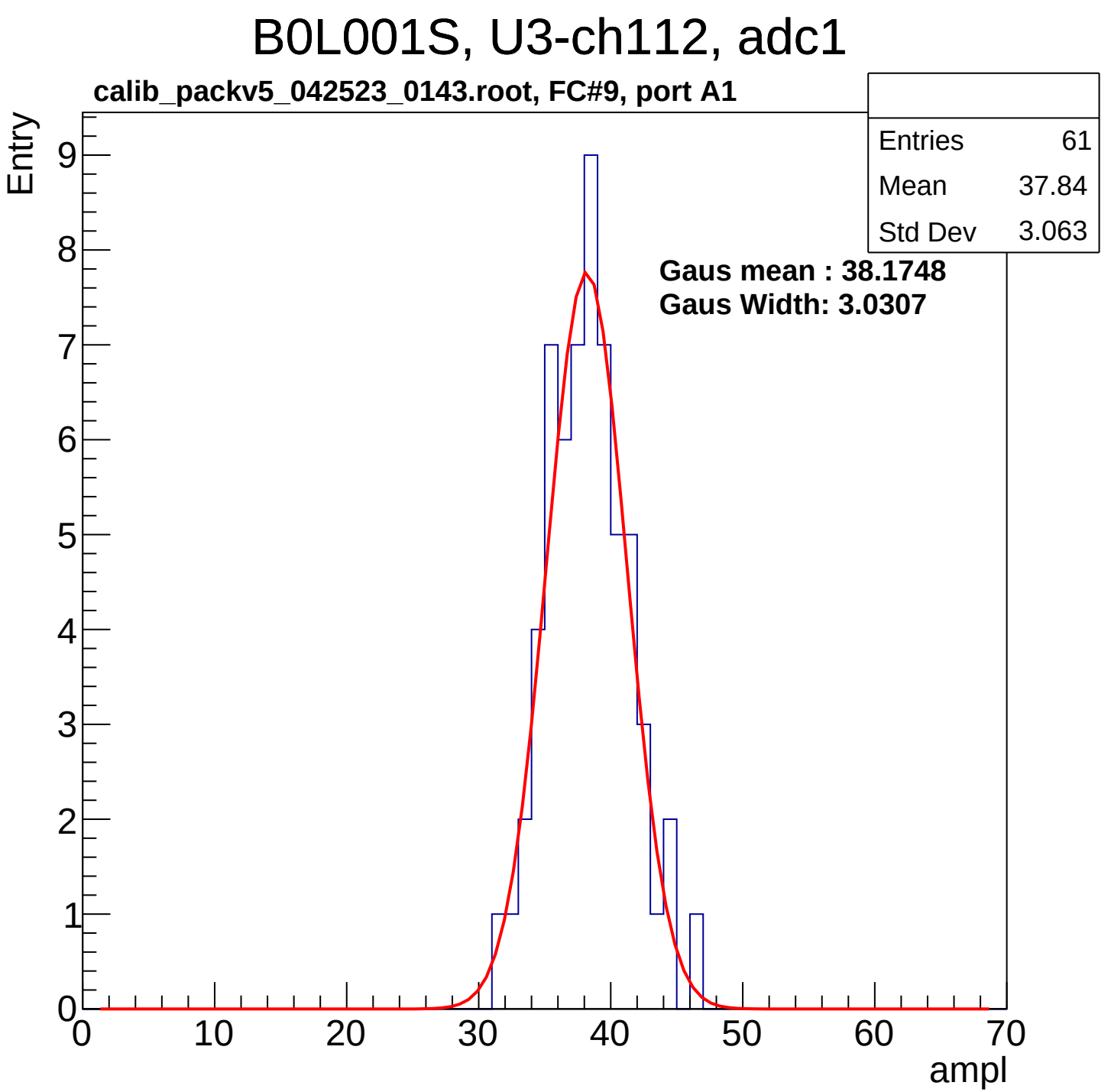
B0L001S, U3-ch112, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 37.84
Std Dev 3.063
Gaus mean : 38.1748
Gaus Width: 3.0307
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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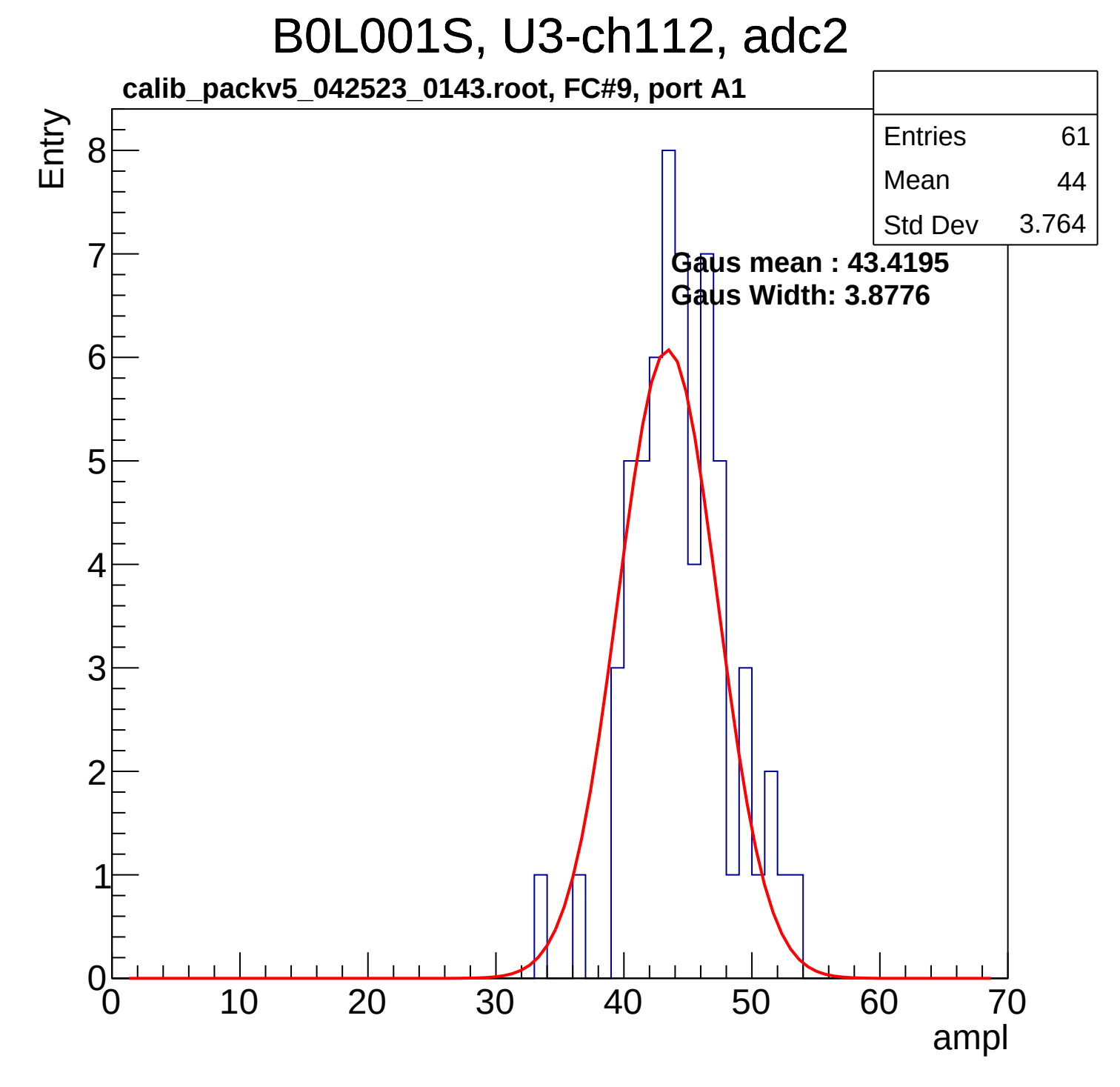
B0L001S, U3-ch112, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 44
Std Dev 3.764
Gaus mean : 43.4195
Gaus Width: 3.8776
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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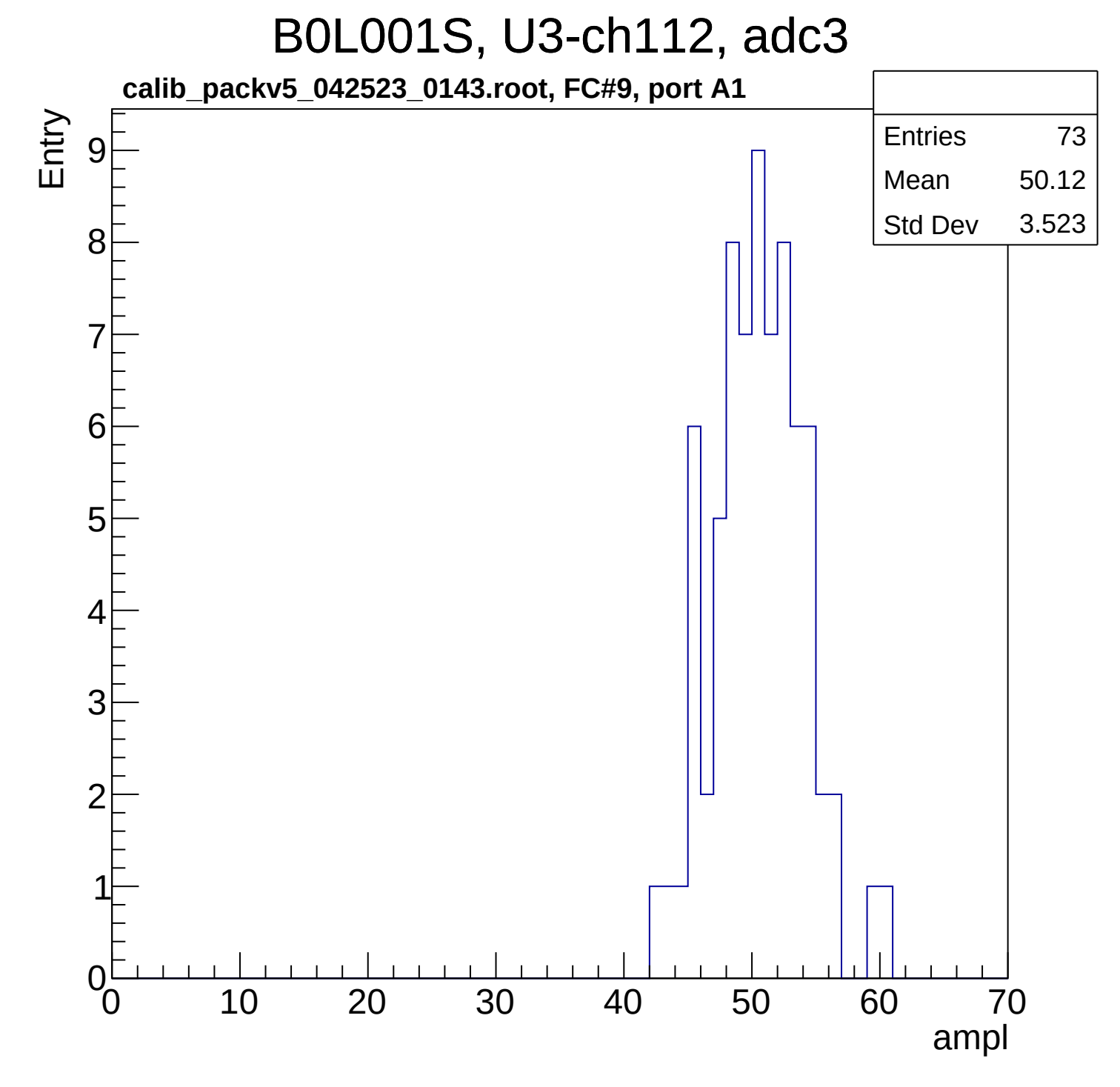
B0L001S, U3-ch112, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 50.12
Std Dev 3.523
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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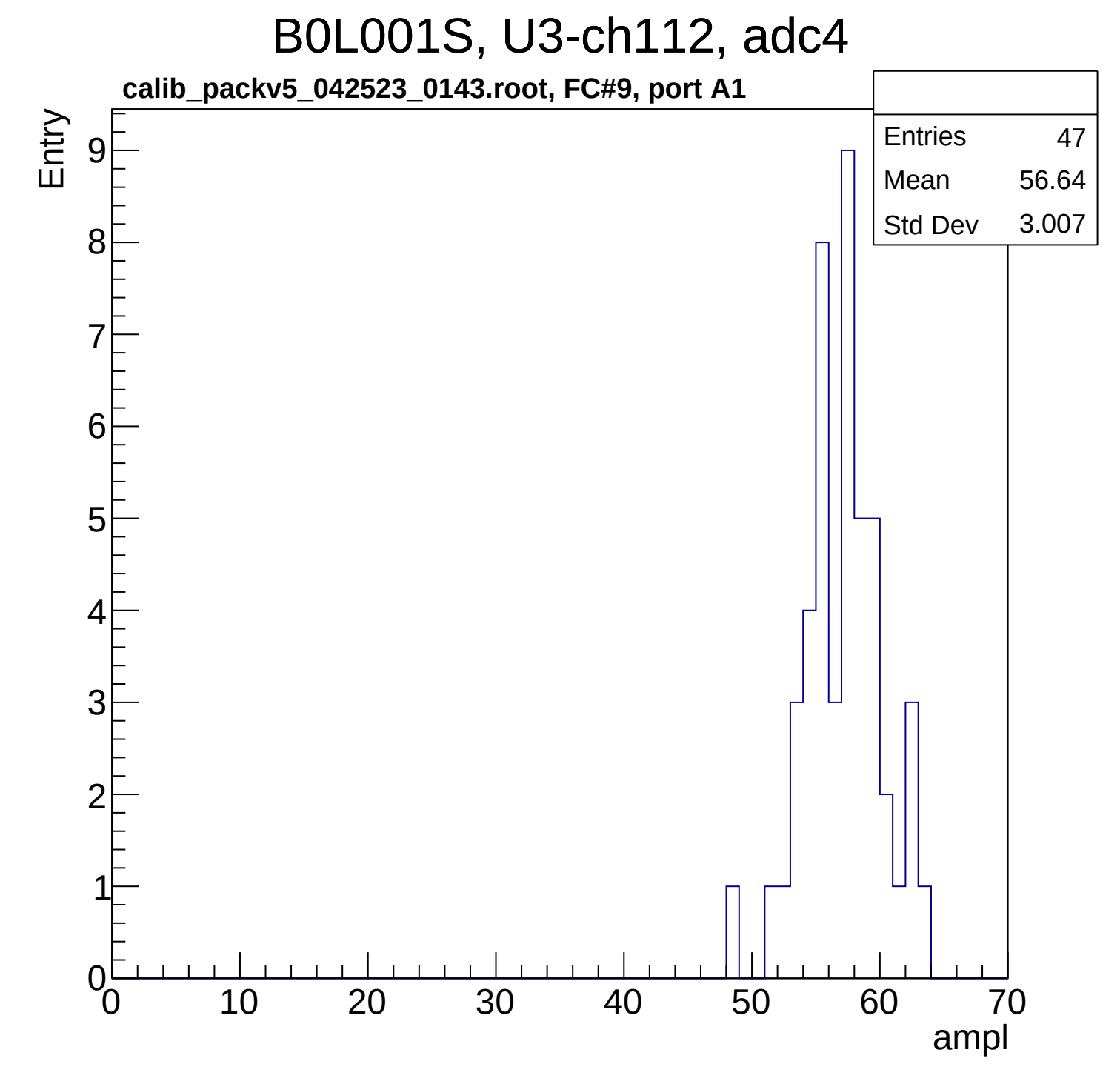
40
50
60
70


B0L001S, U3-ch112, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 56.64
Std Dev 3.007
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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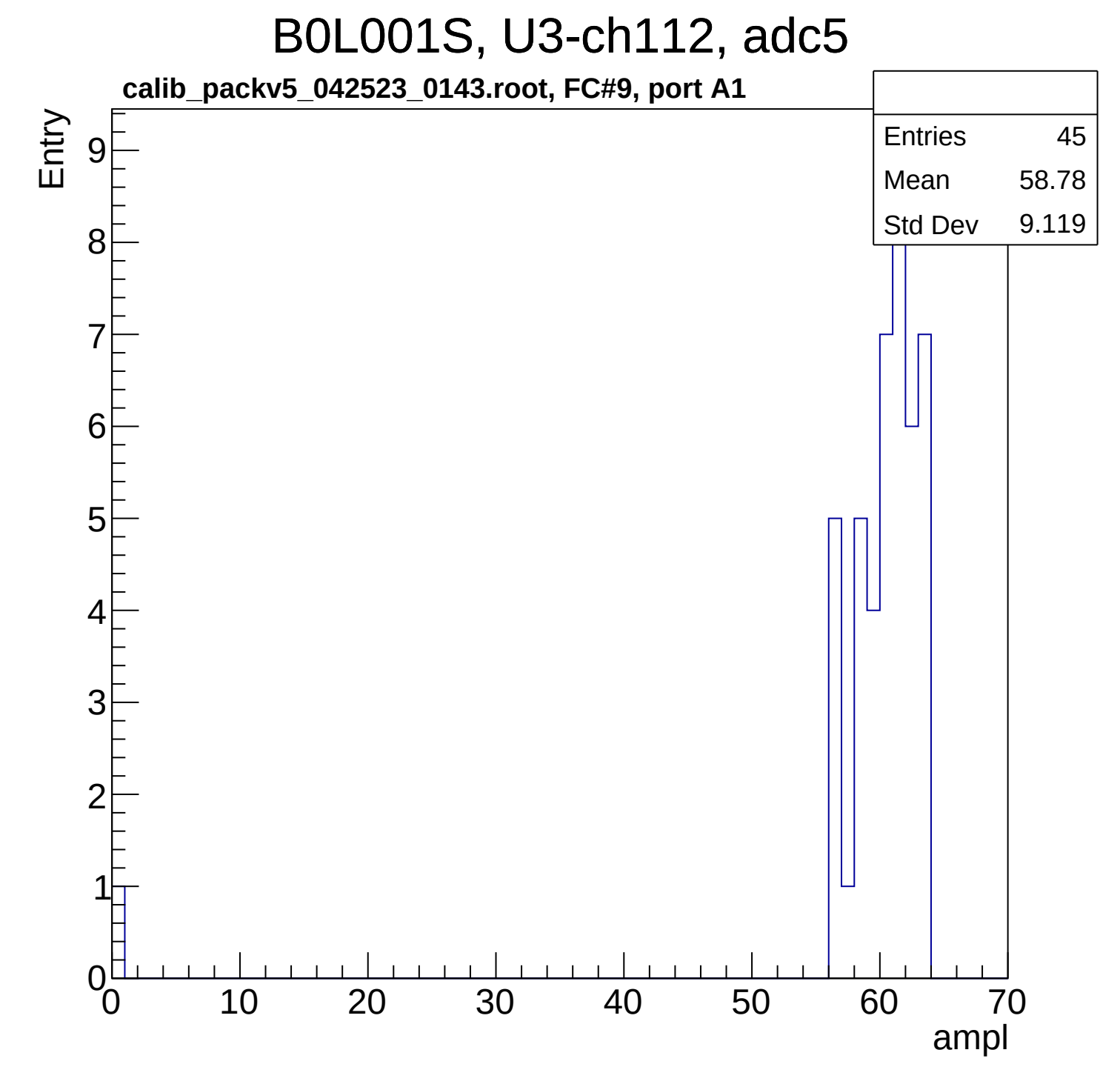
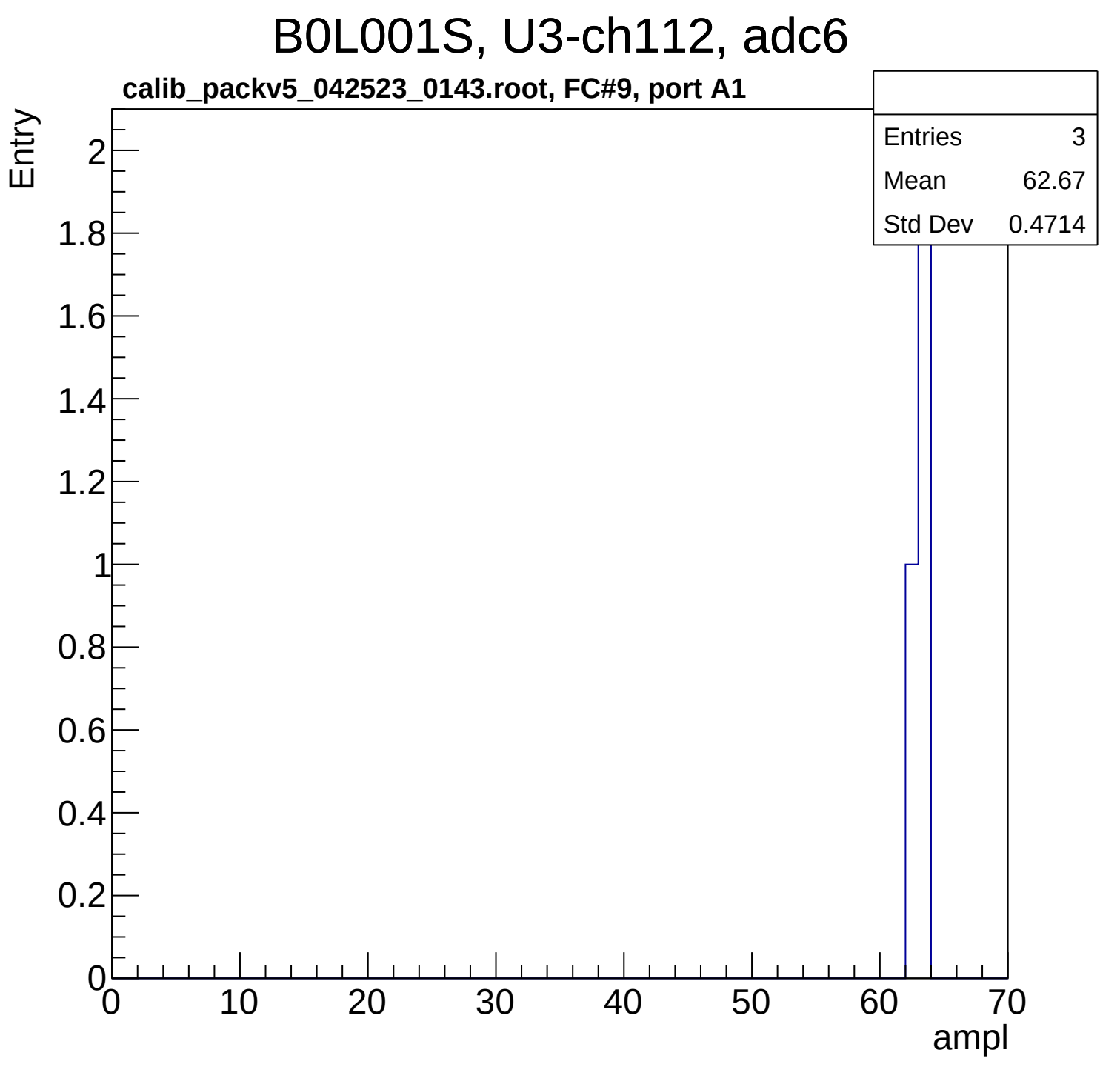
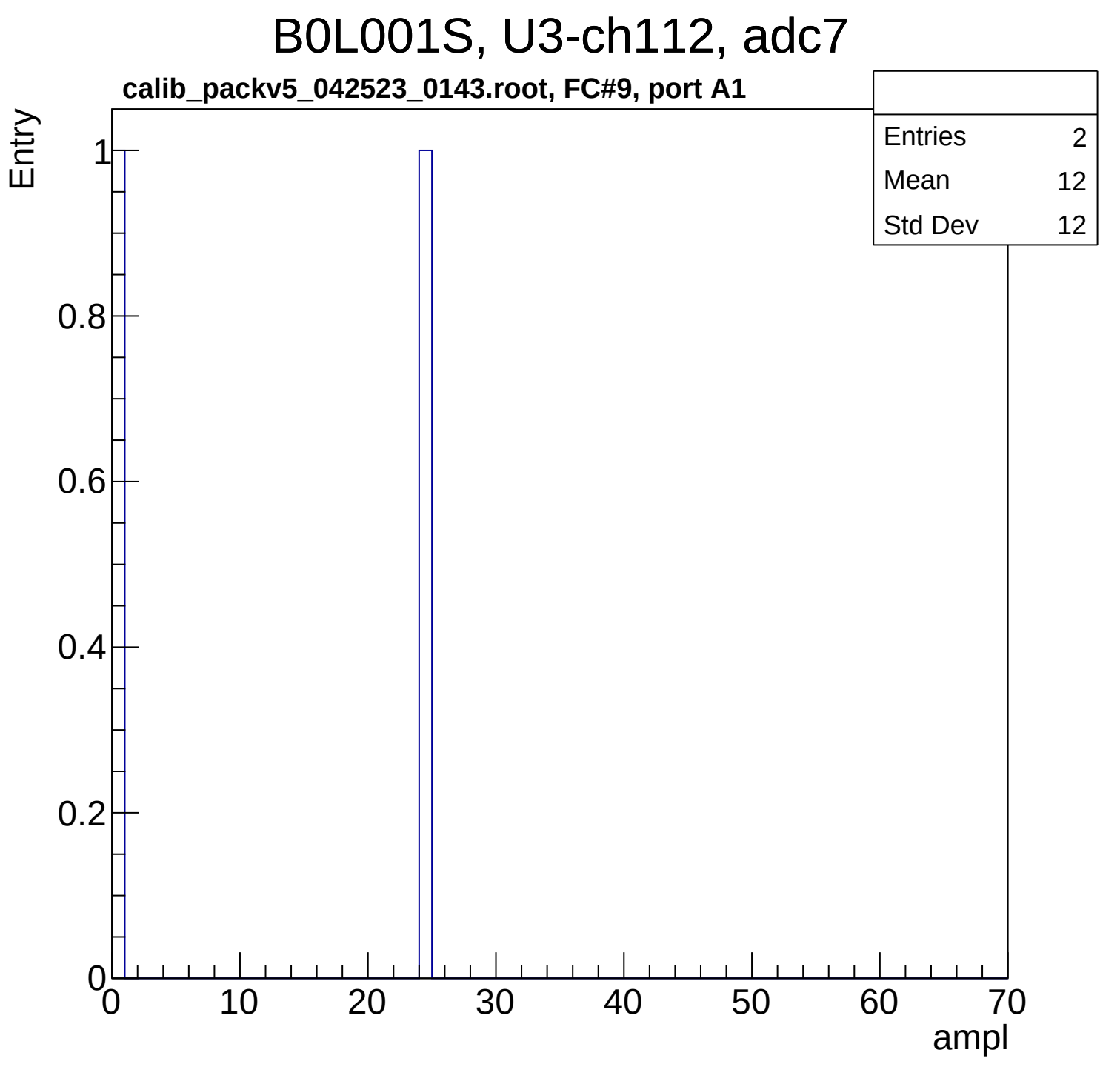
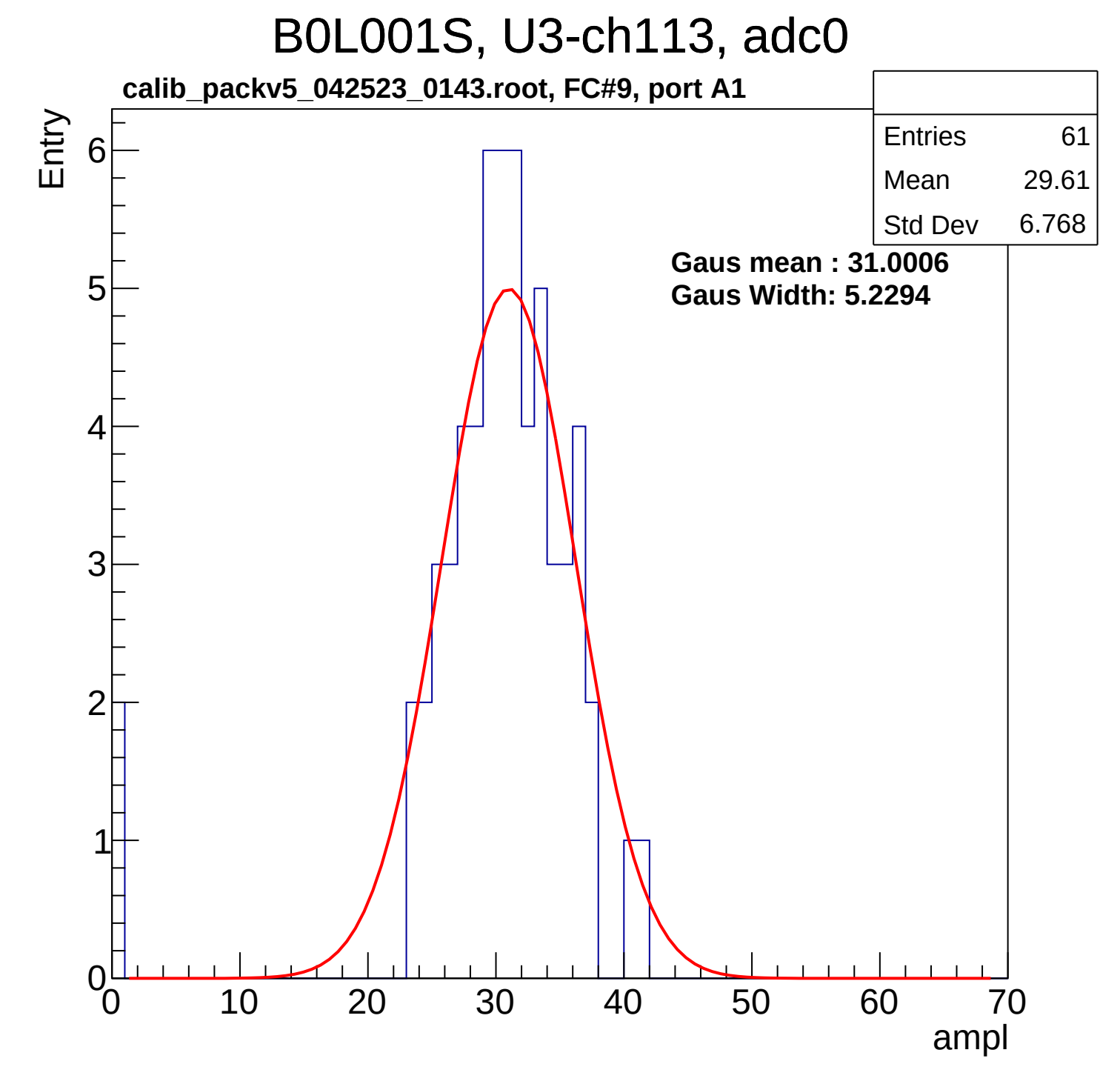
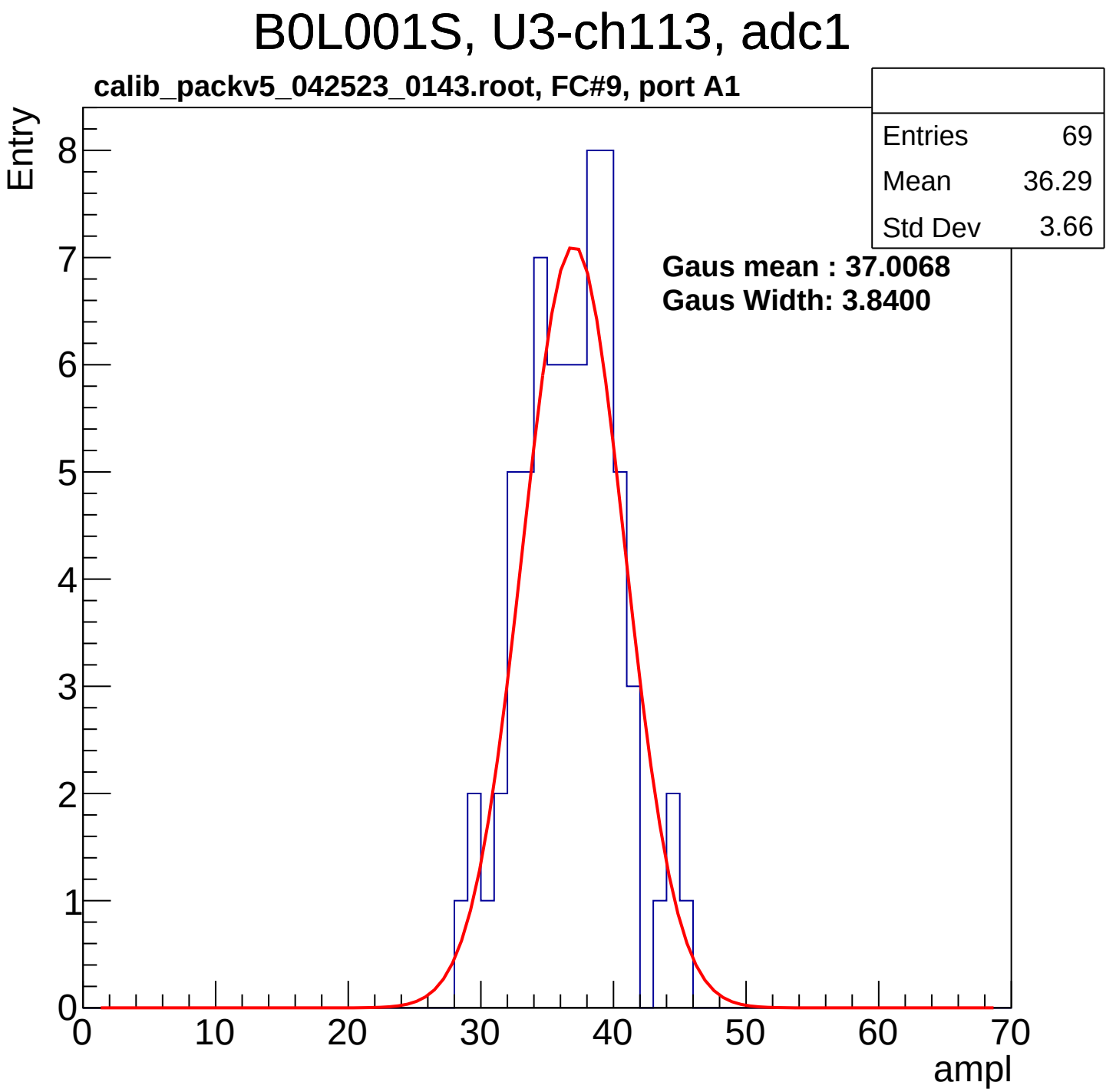
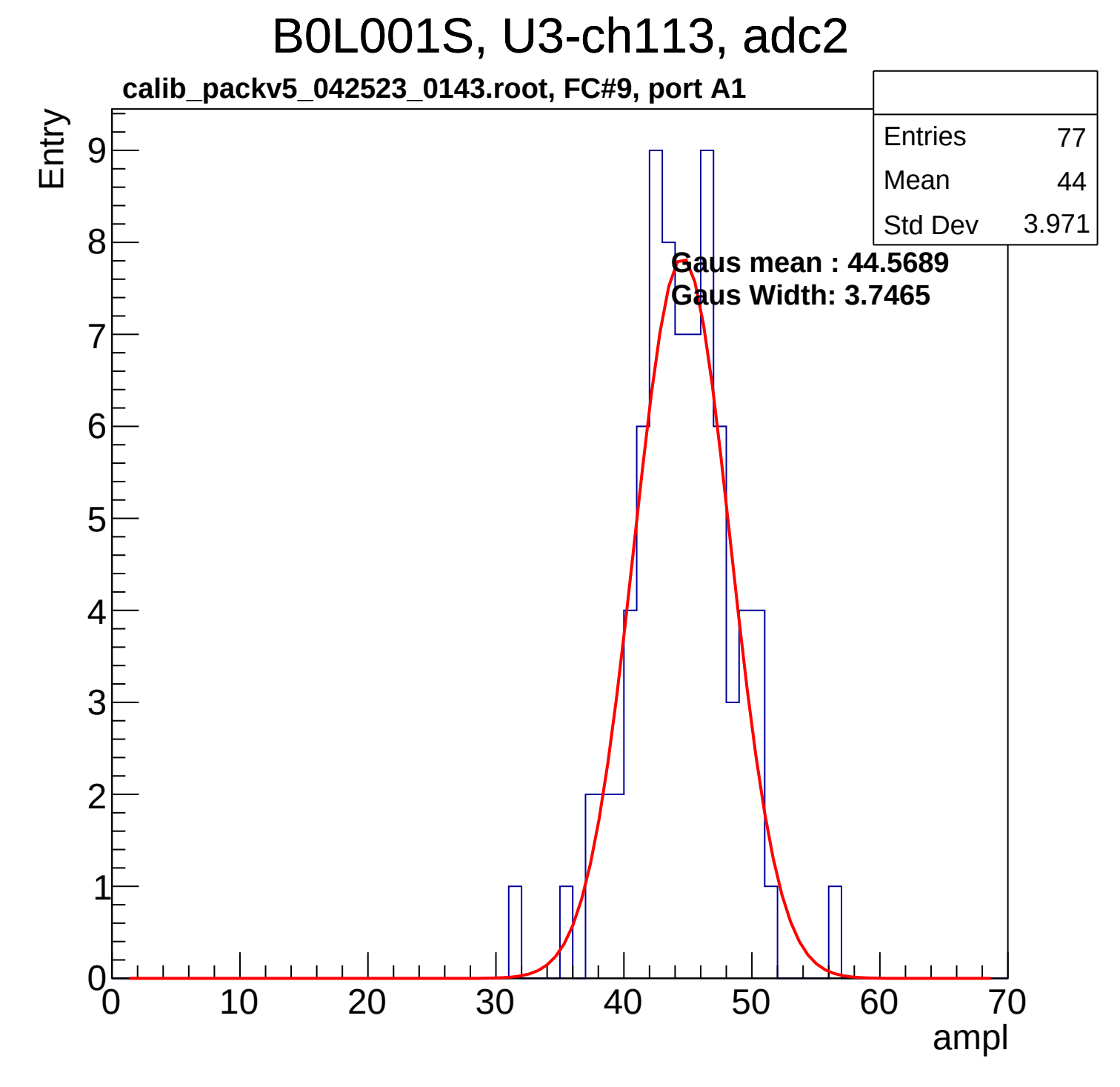

B0L001S, U3-ch112, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 58.78
Std Dev 9.119
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch112, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch112, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch113, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 29.61
Std Dev 6.768
Gaus mean : 31.0006
Gaus Width: 5.2294
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch113, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 69
Mean 36.29
Std Dev 3.66
Gaus mean : 37.0068
Gaus Width: 3.8400
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch113, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 44
Std Dev 3.971
Gaus mean : 44.5689
Gaus Width: 3.7465
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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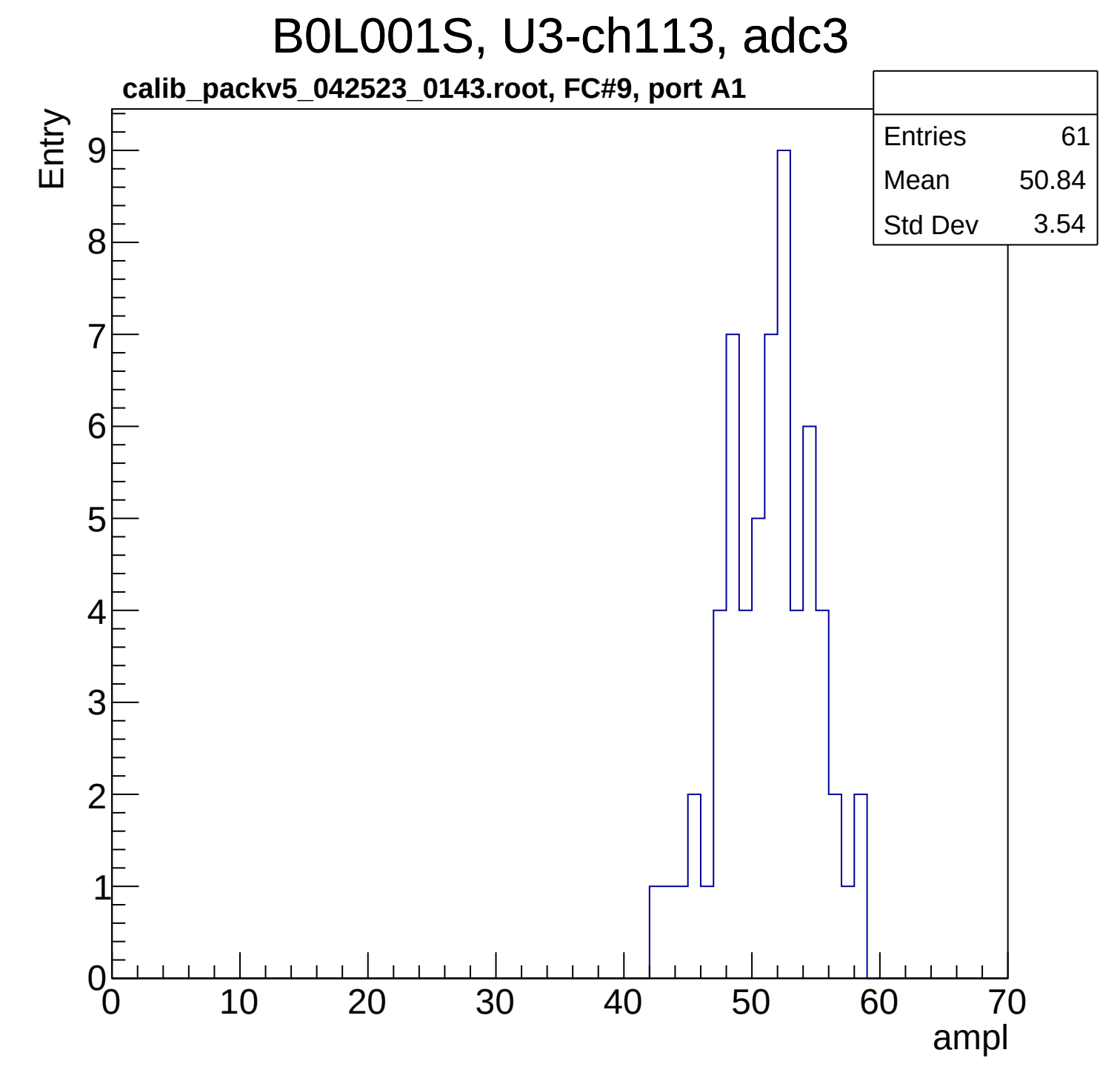
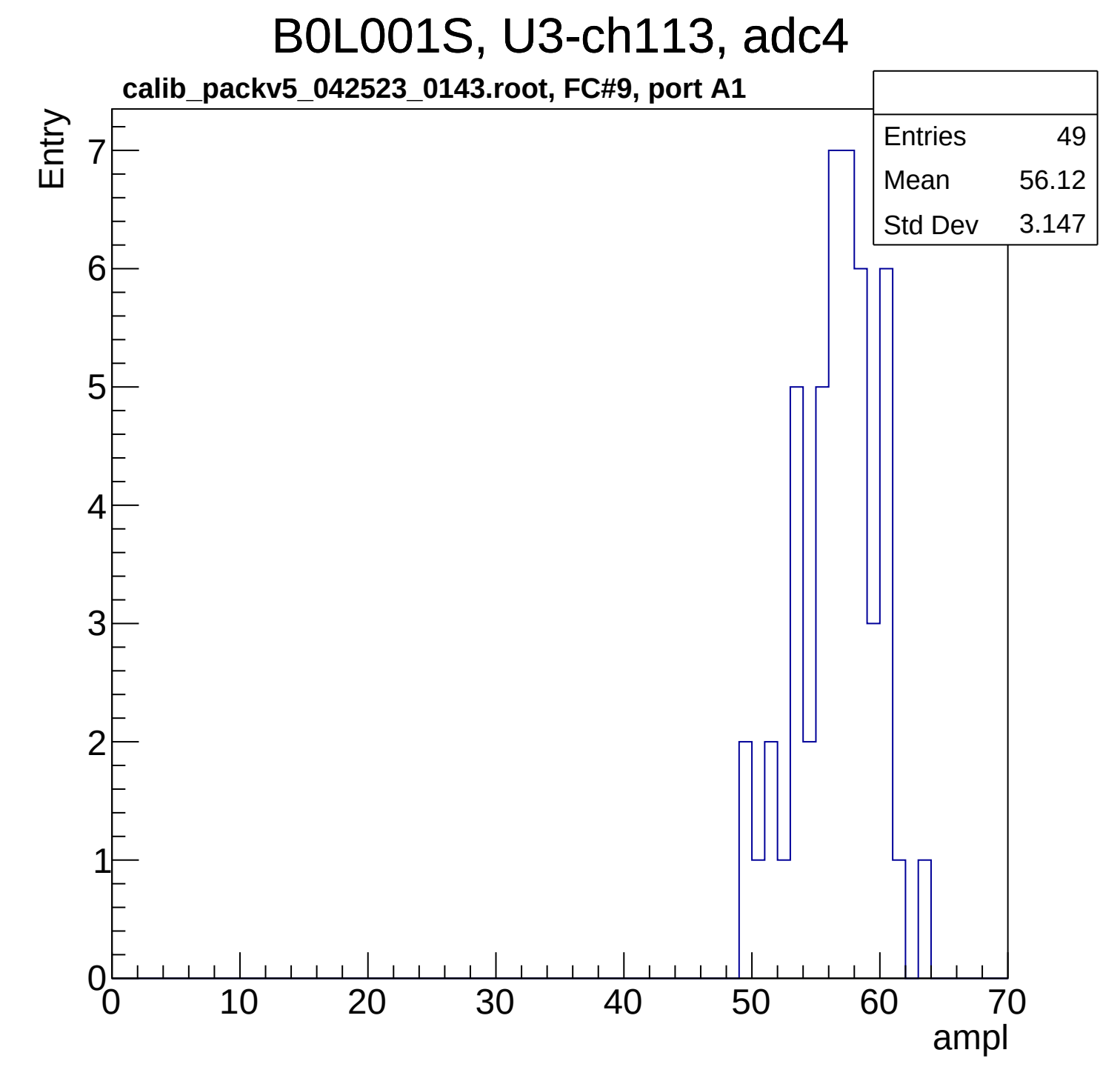
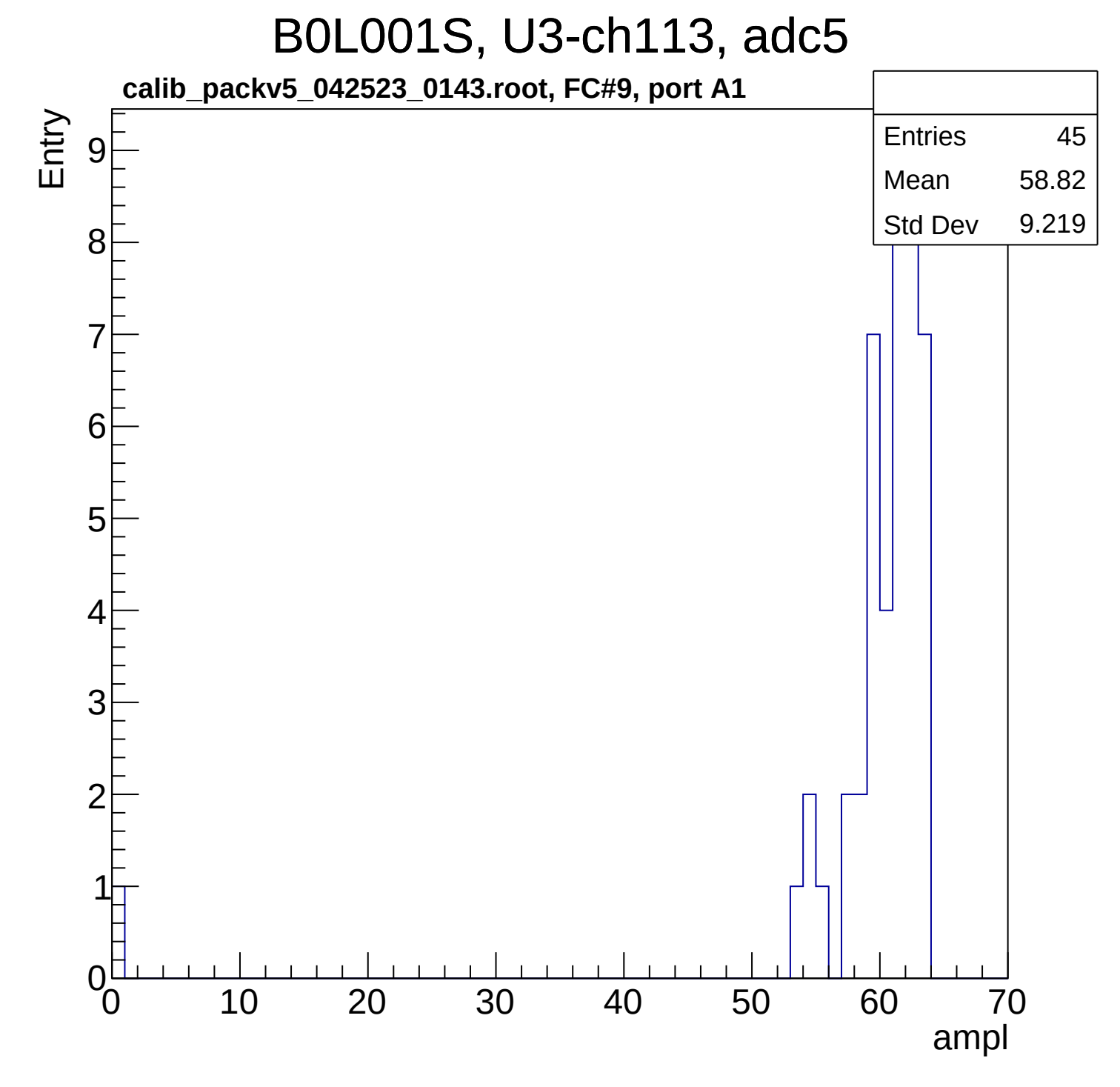
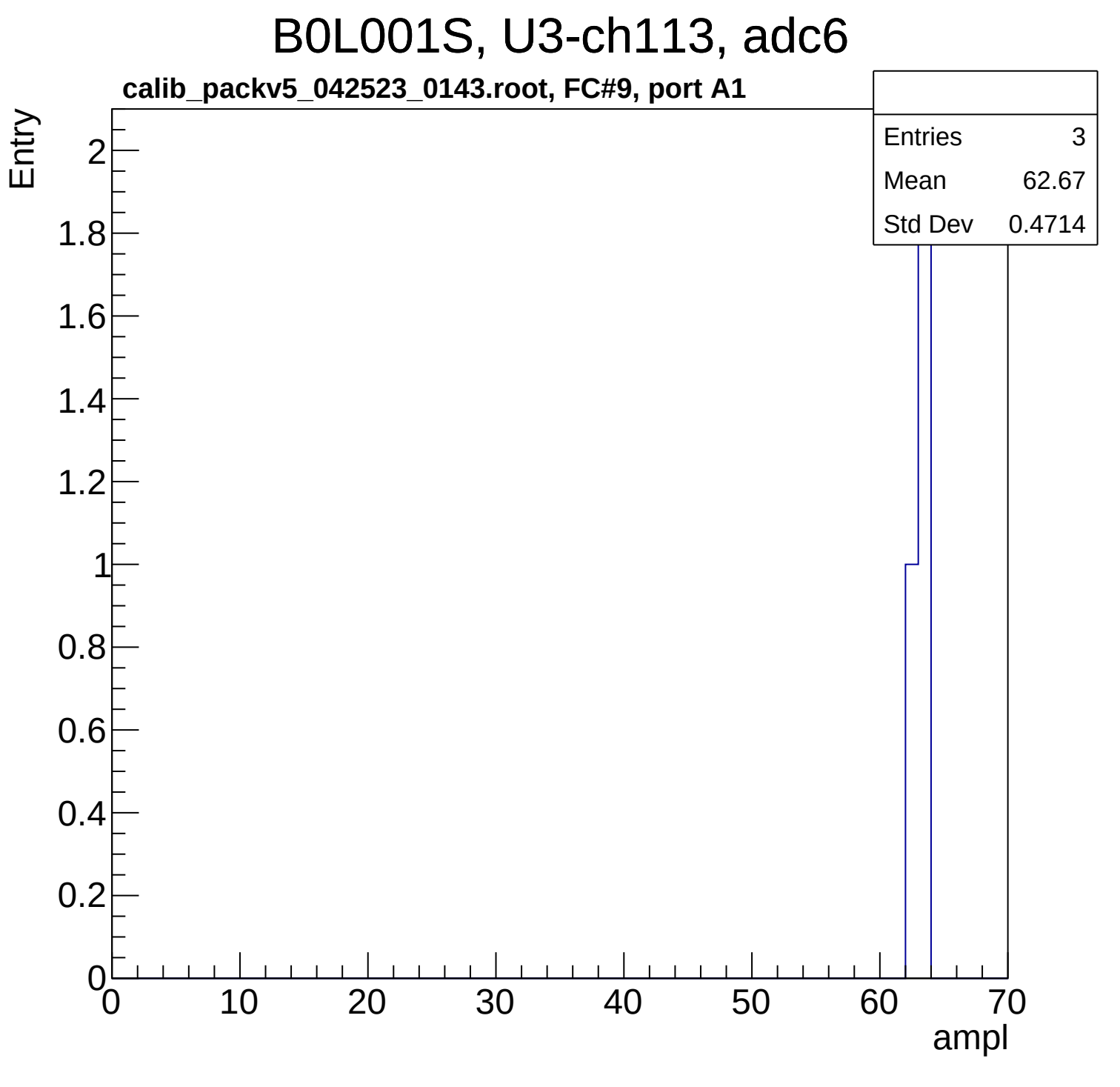
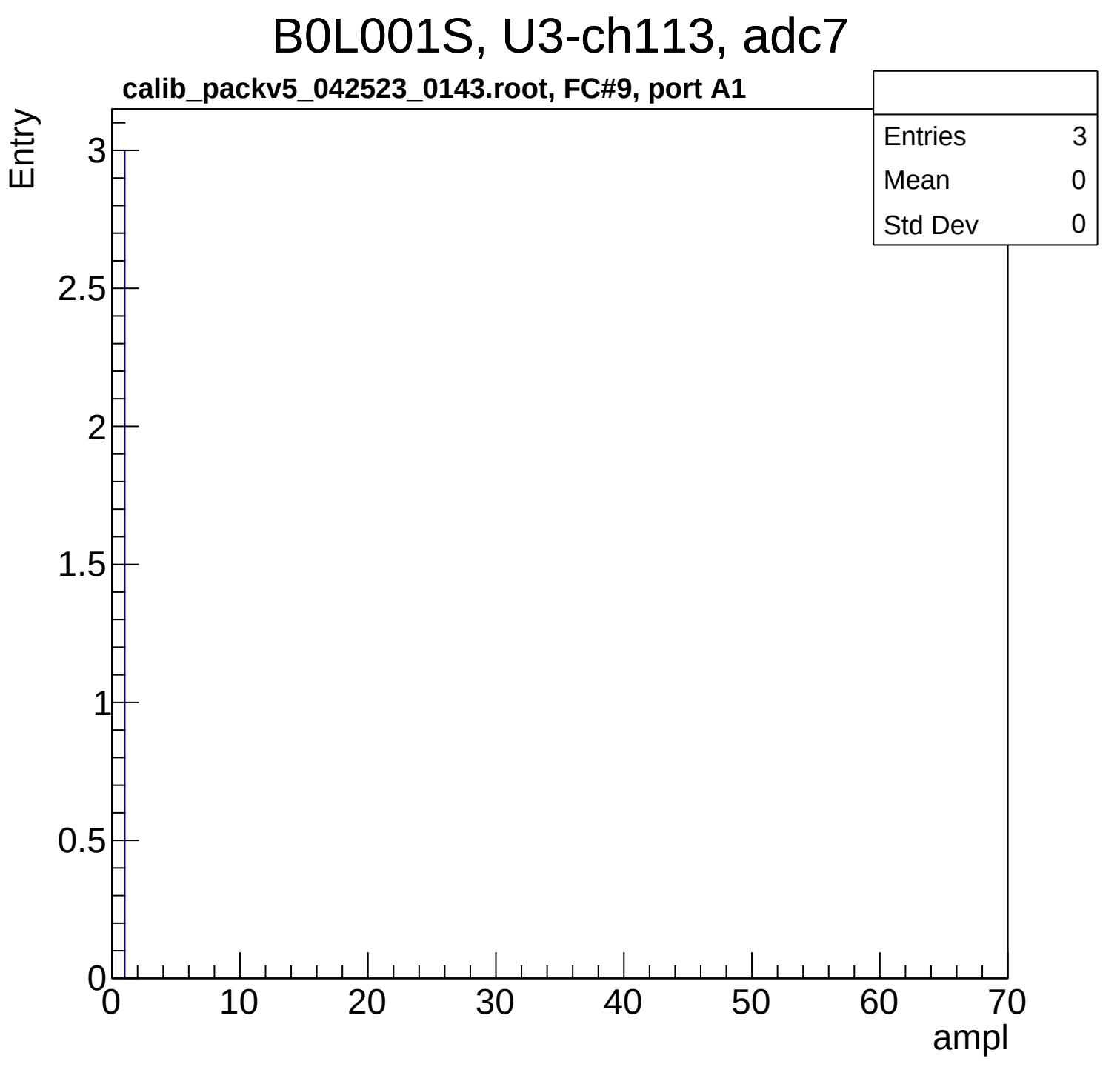
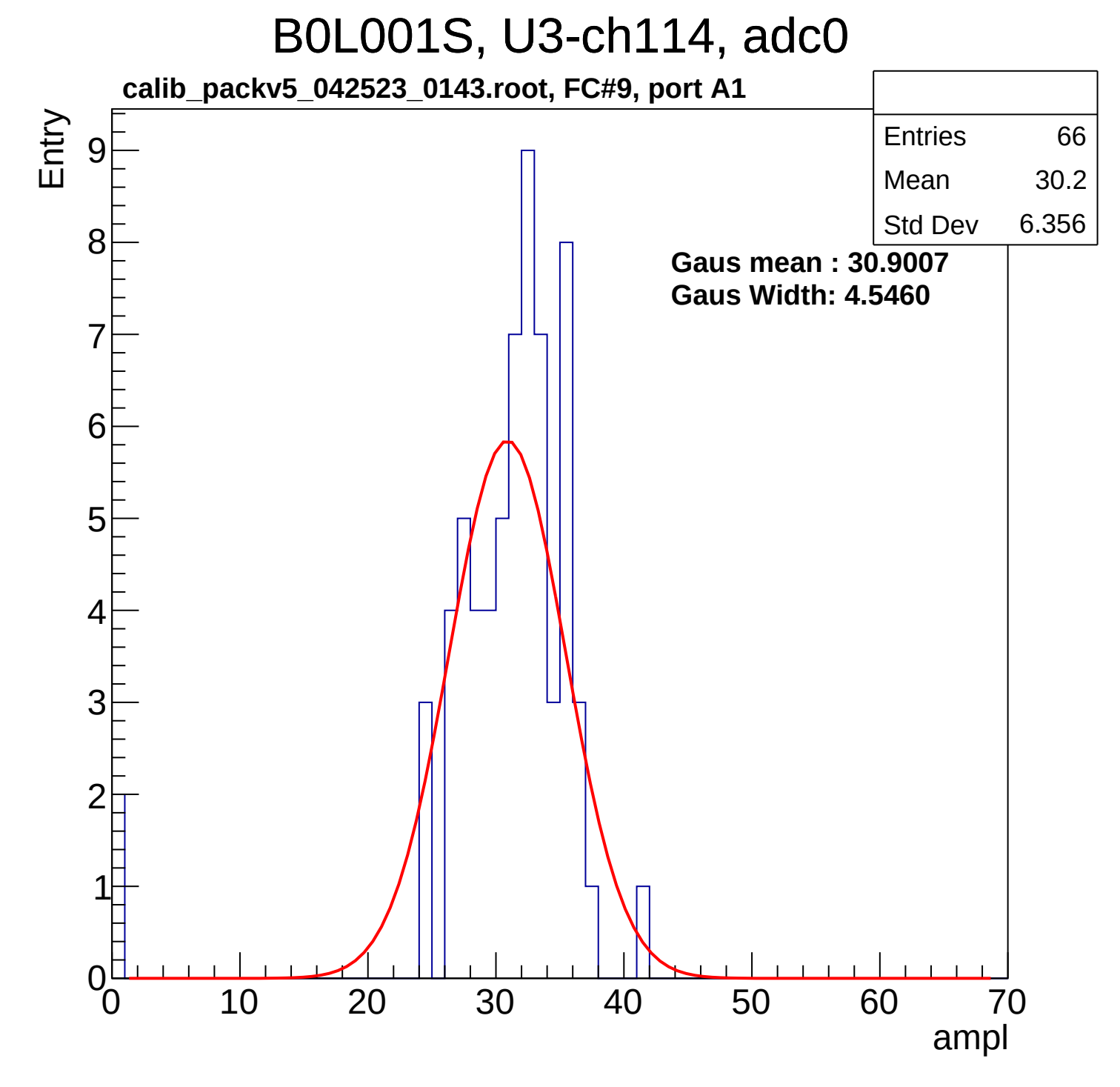

B0L001S, U3-ch113, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 50.84
Std Dev 3.54
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

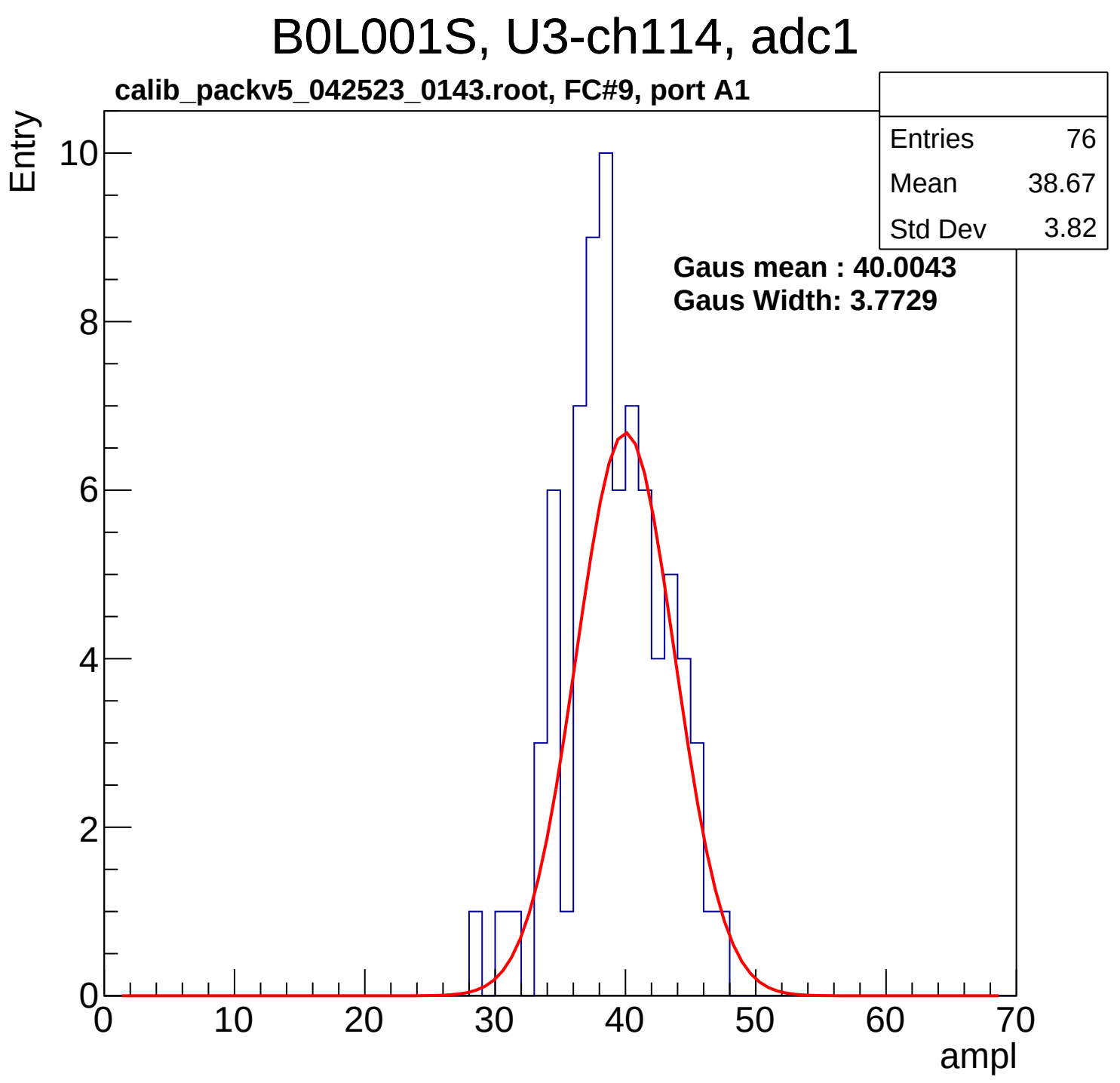

B0L001S, U3-ch113, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 56.12
Std Dev 3.147
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

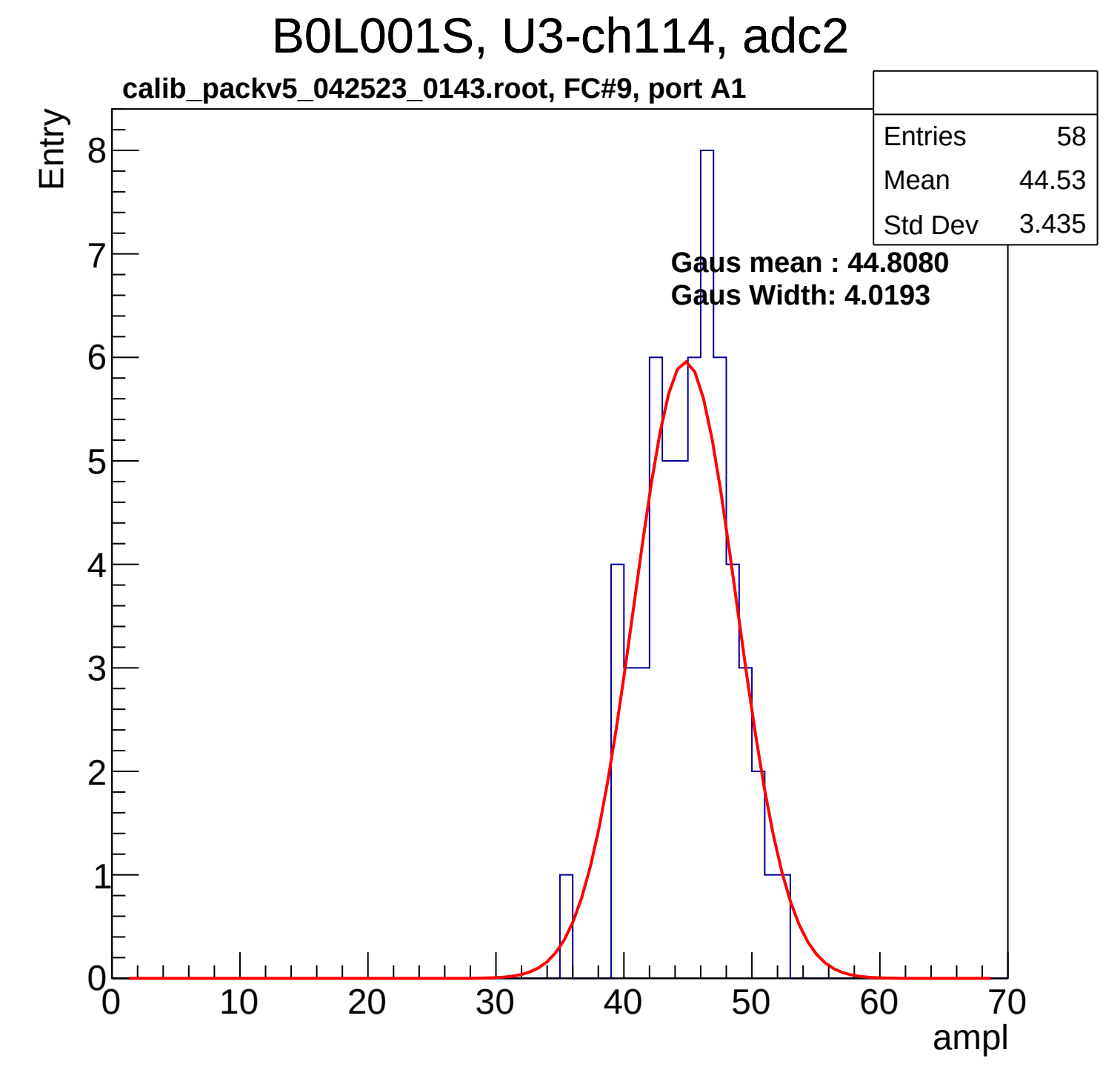

B0L001S, U3-ch113, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 58.82
Std Dev 9.219
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch113, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch113, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch114, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 30.2
Std Dev 6.356
Gaus mean : 30.9007
Gaus Width: 4.5460
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch114, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 38.67
Std Dev 3.82
Gaus mean : 40.0043
Gaus Width: 3.7729
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch114, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 44.53
Std Dev 3.435
Gaus mean : 44.8080
Gaus Width: 4.0193
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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20
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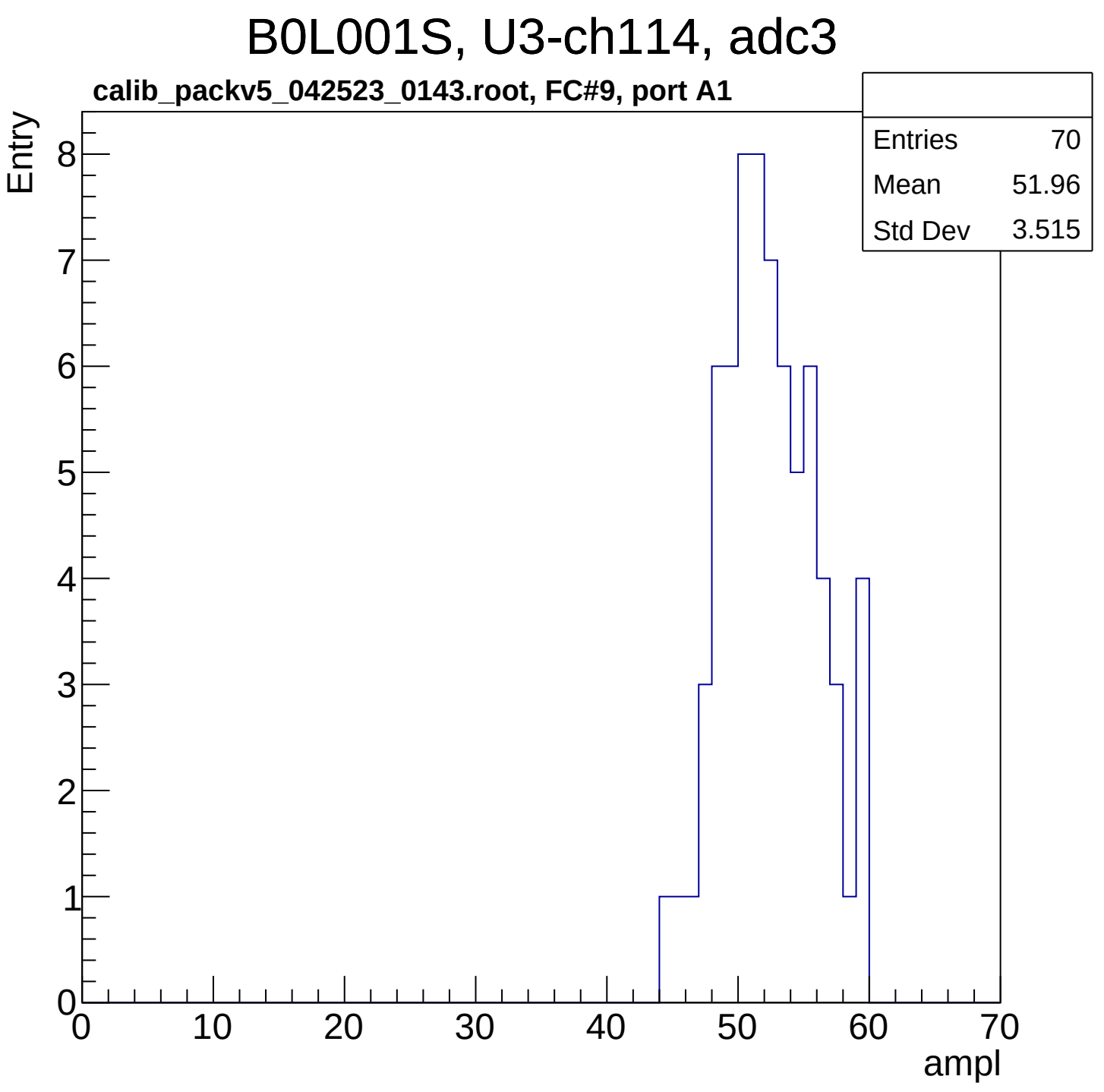
40
50
60
70


B0L001S, U3-ch114, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 51.96
Std Dev 3.515
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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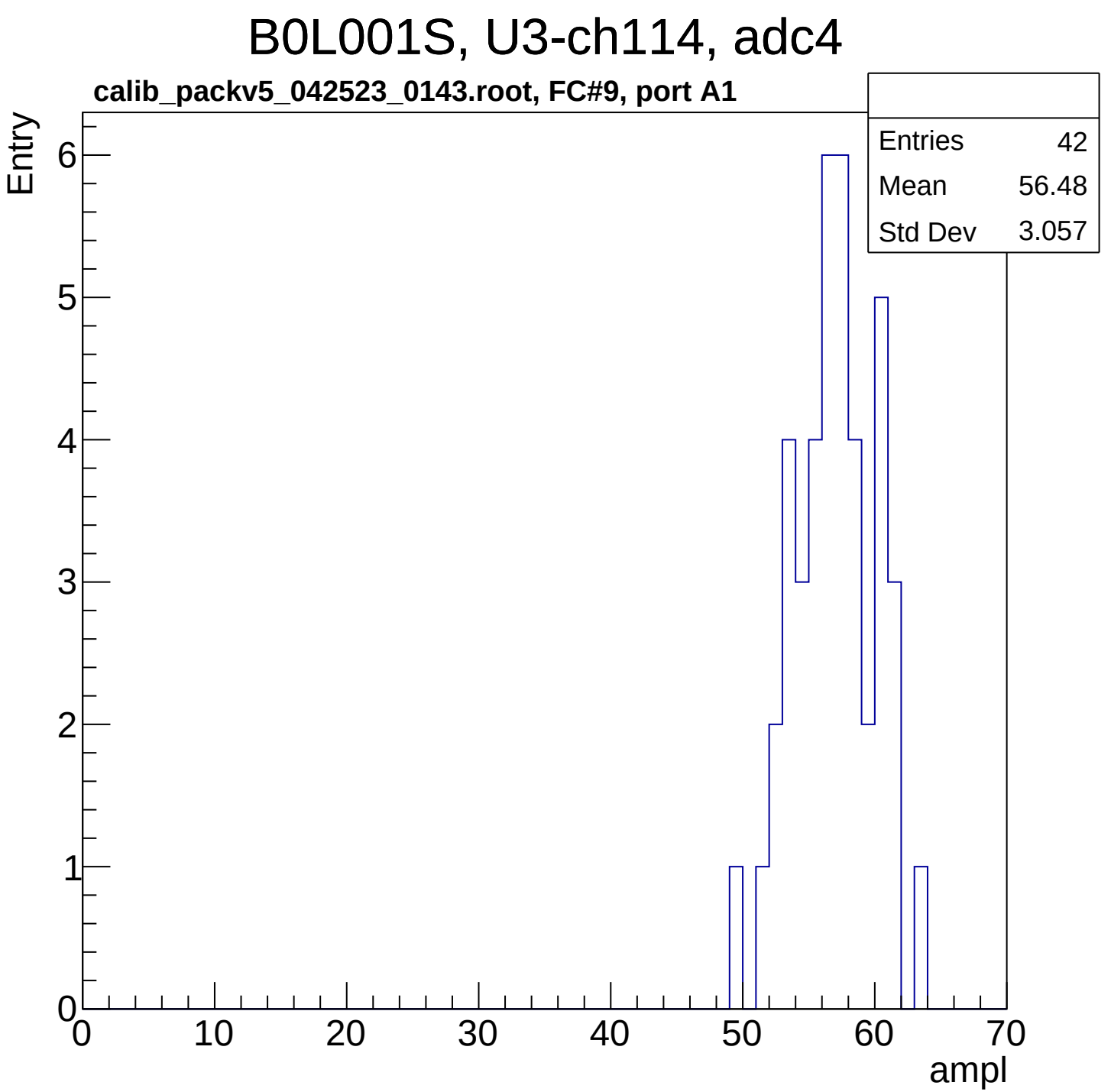
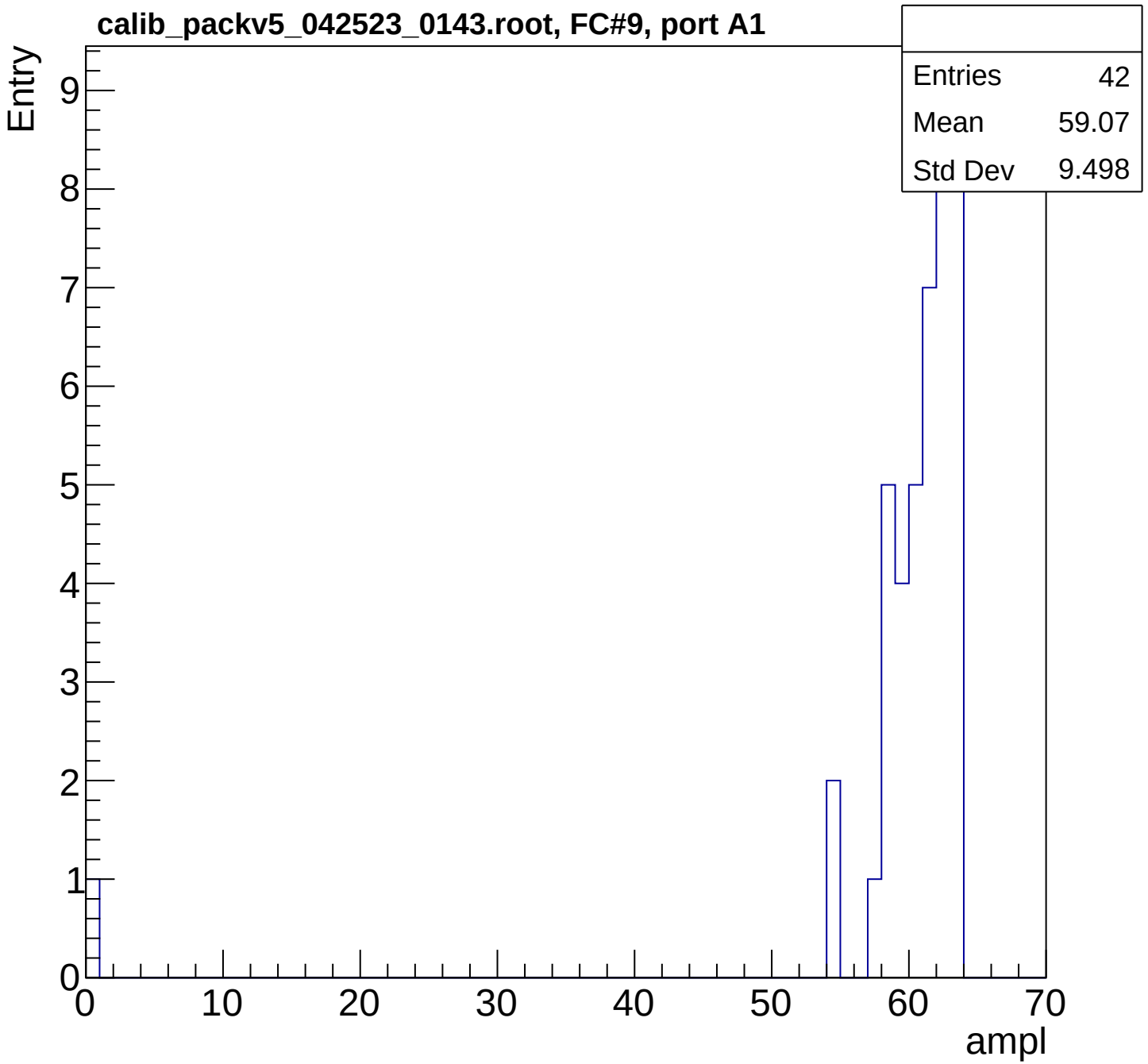
40
50
60
70


B0L001S, U3-ch114, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 56.48
Std Dev 3.057
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch114, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 59.07
Std Dev 9.498
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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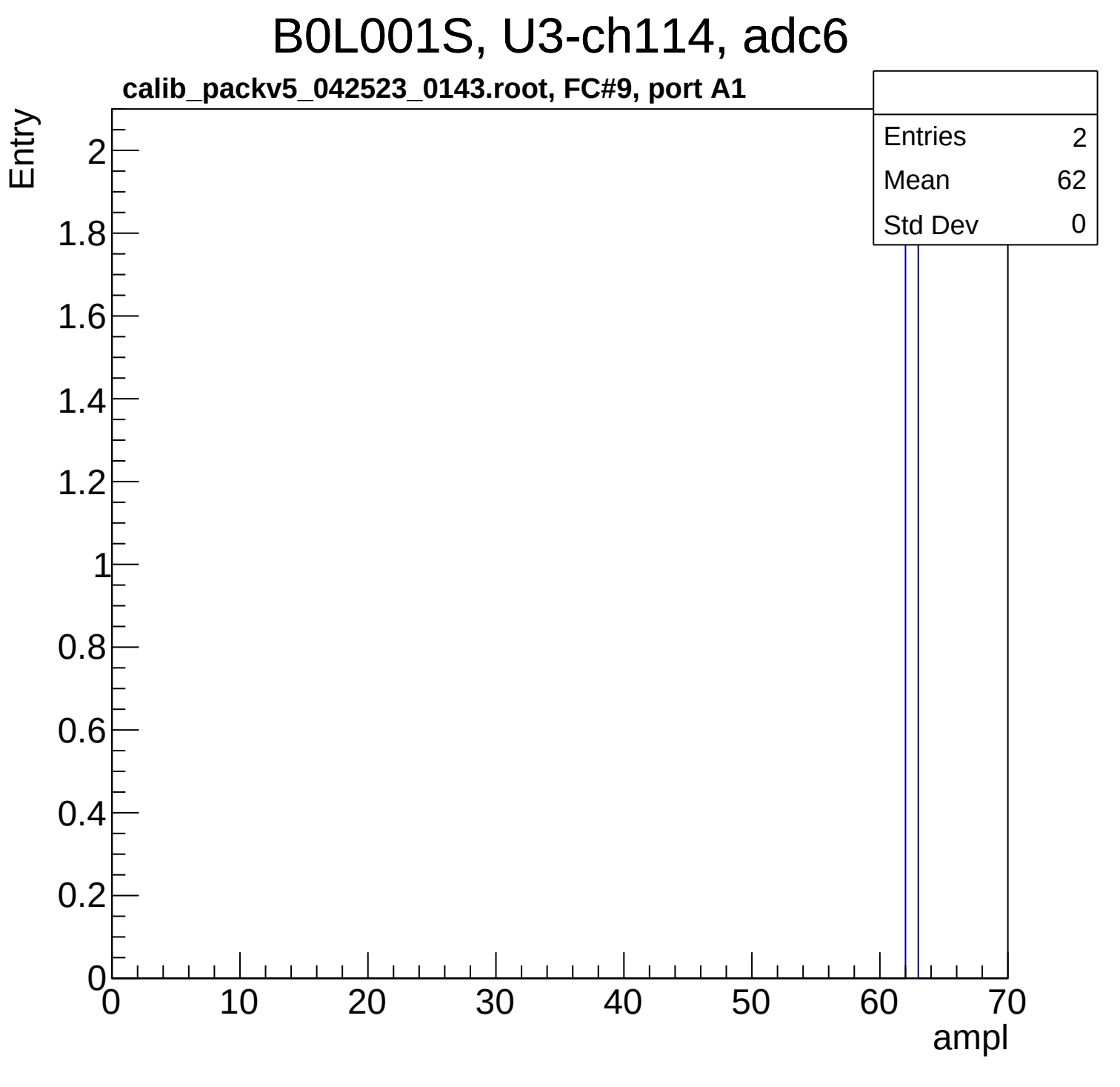
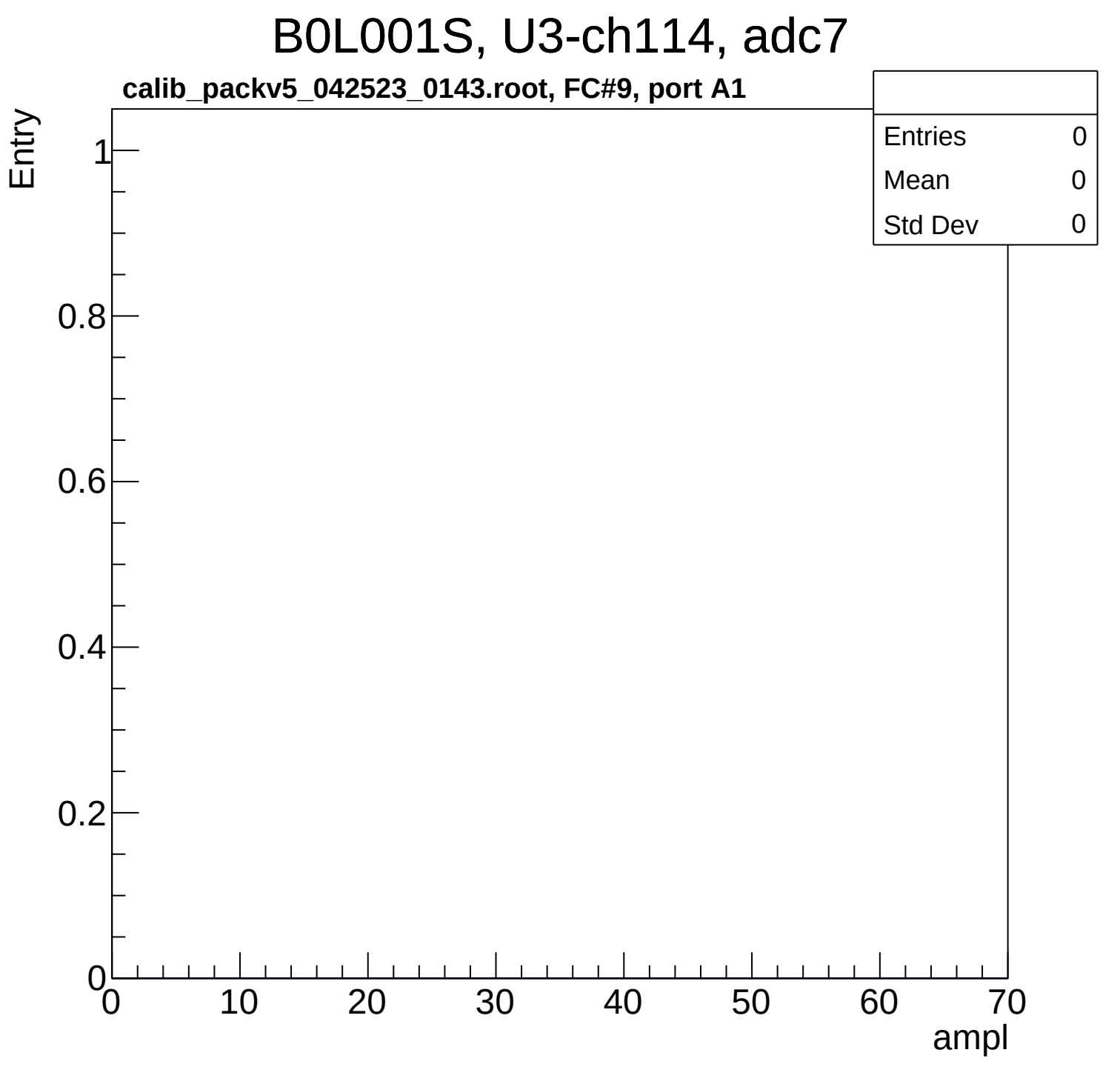
60
70


B0L001S, U3-ch114, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 62
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


B0L001S, U3-ch114, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
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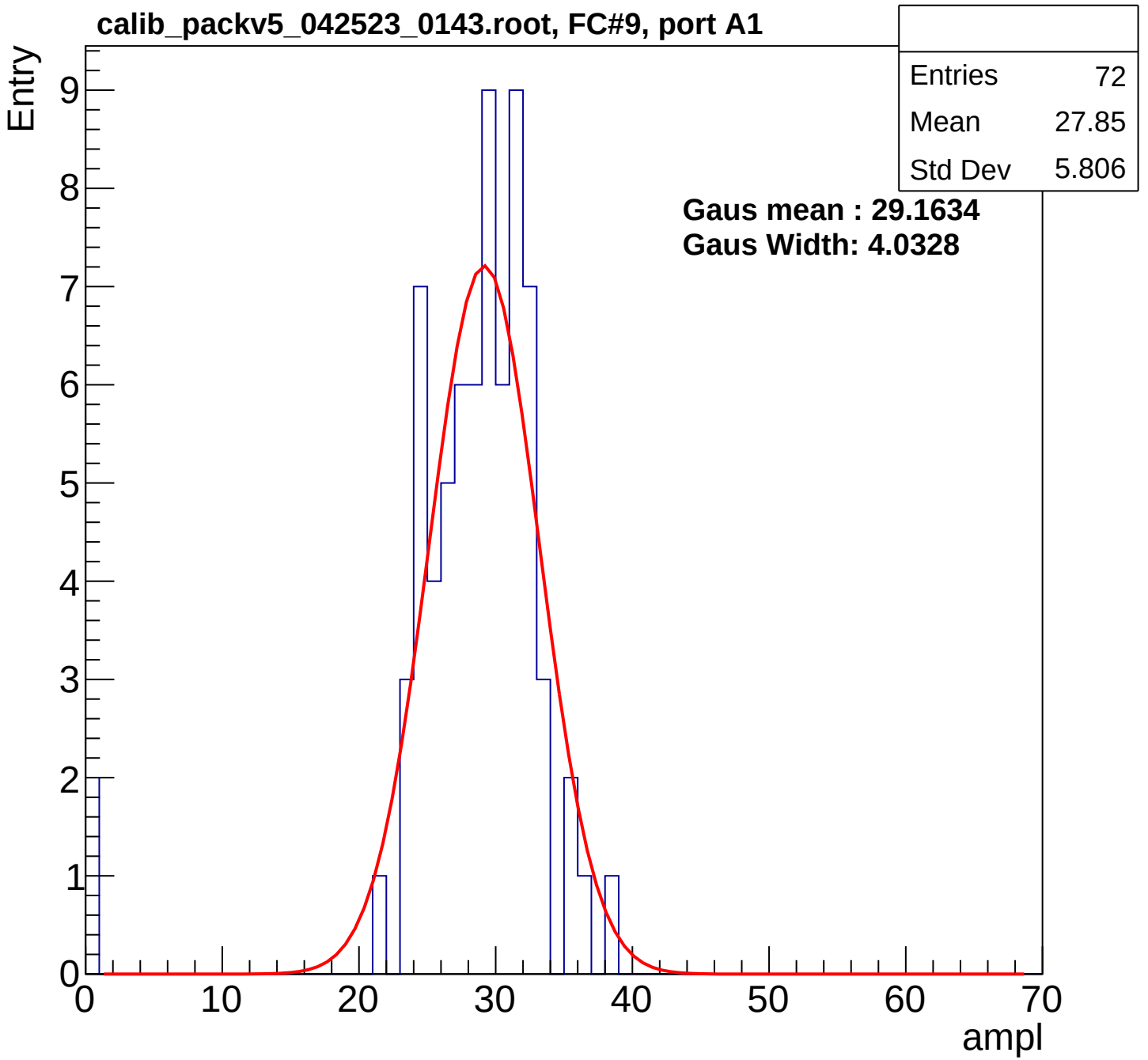
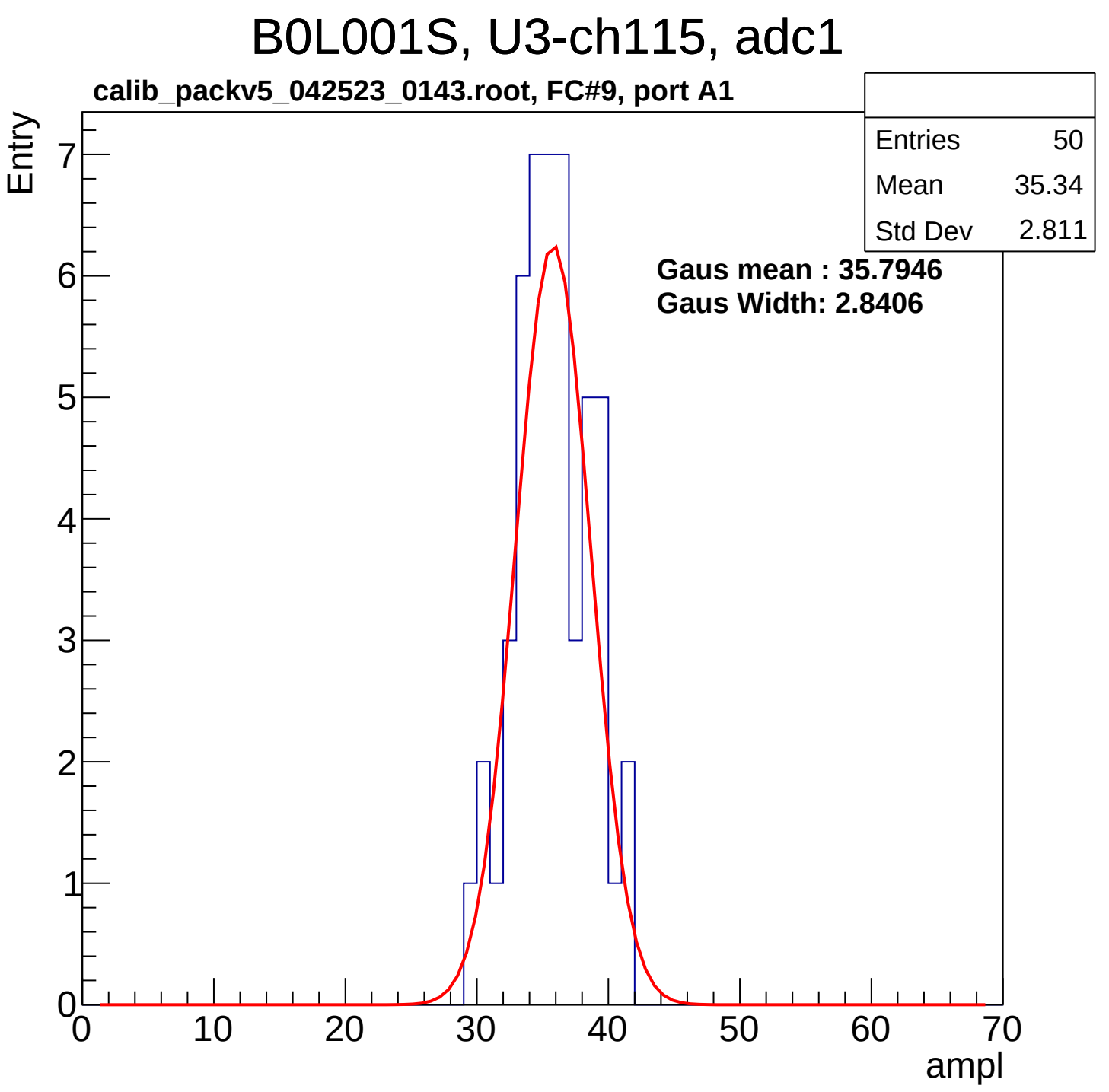
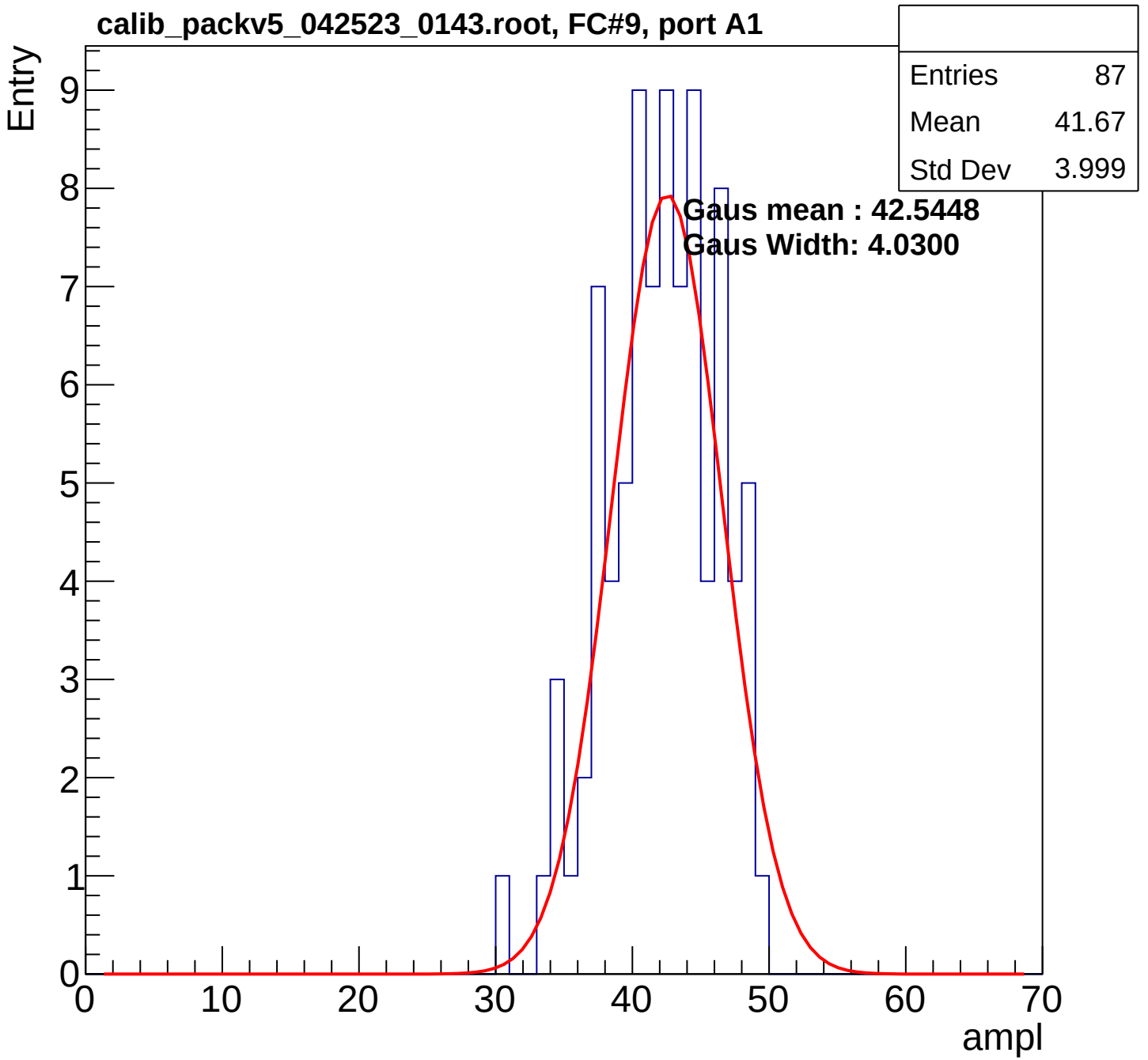
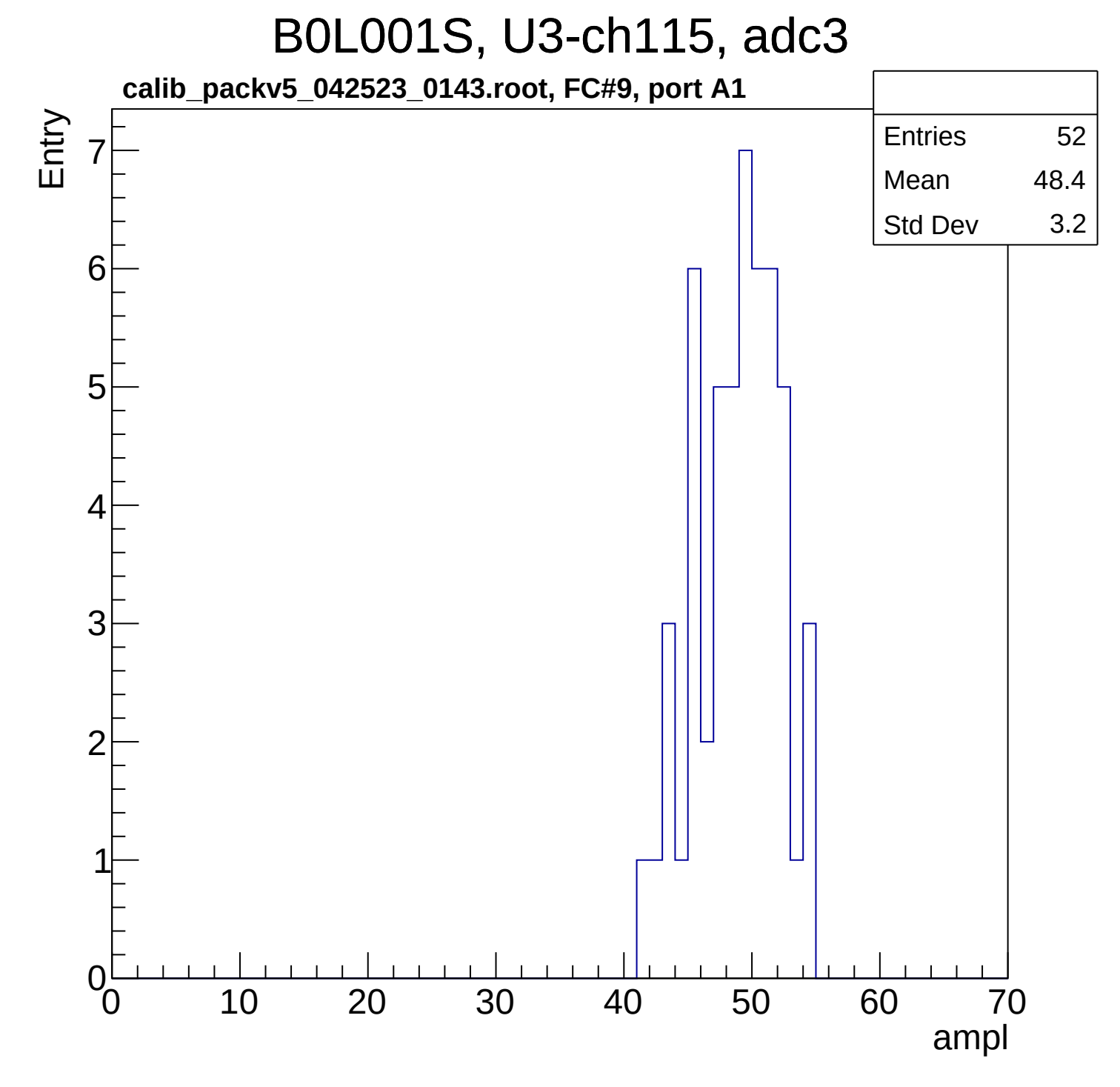
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch115, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 27.85
Std Dev 5.806
Gaus mean : 29.1634
Gaus Width: 4.0328
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch115, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 50
Mean 35.34
Std Dev 2.811
Gaus mean : 35.7946
Gaus Width: 2.8406
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch115, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 87
Mean 41.67
Std Dev 3.999
Gaus mean : 42.5448
Gaus Width: 4.0300
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch115, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 48.4
Std Dev 3.2
Entry
ampl
0
1
2
3
4
5
6
7
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40
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60
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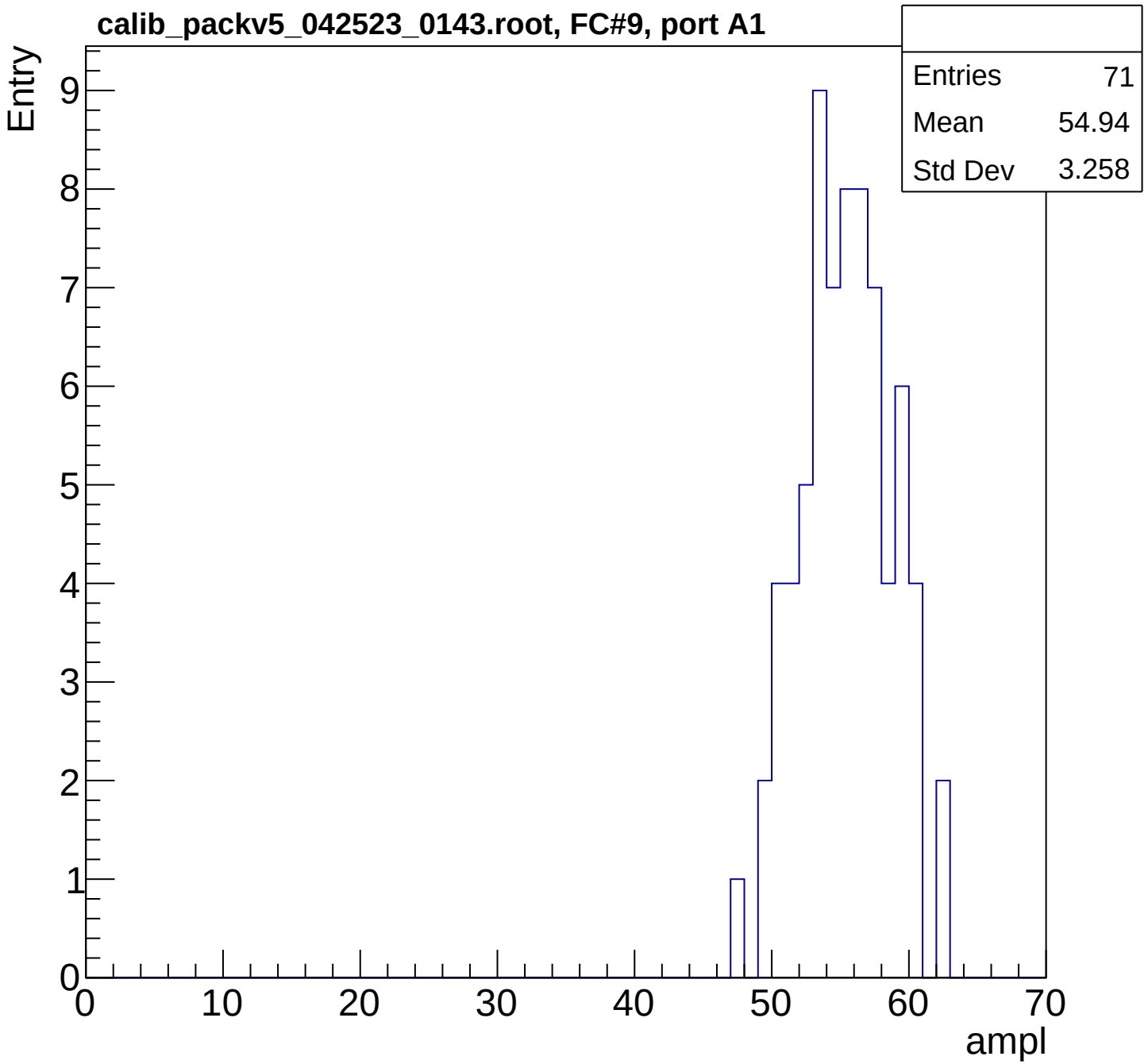
B0L001S, U3-ch115, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 54.94
Std Dev 3.258
Entry
ampl
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3
4
5
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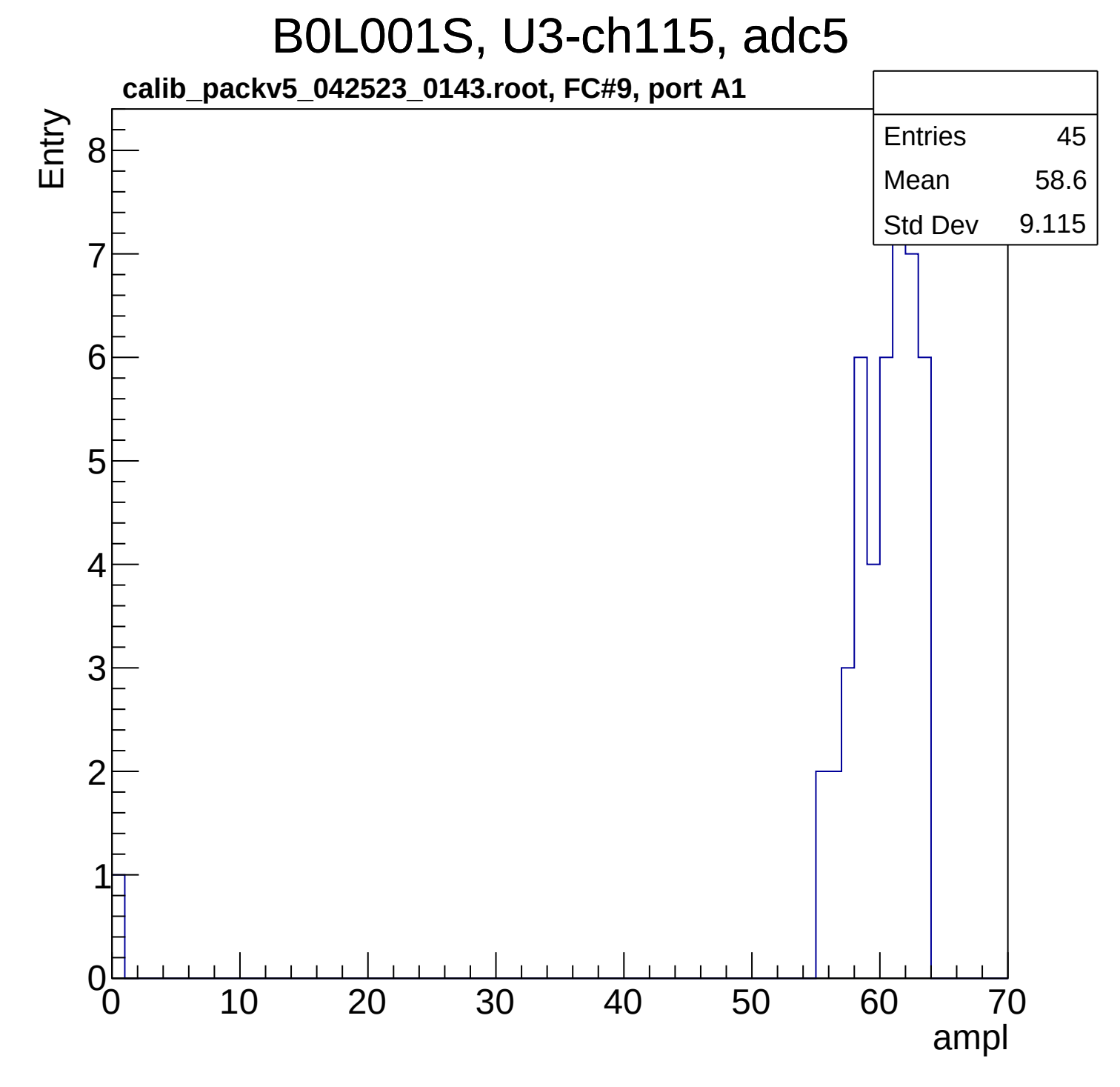
B0L001S, U3-ch115, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 58.6
Std Dev 9.115
Entry
ampl
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2
3
4
5
6
7
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0
10
20
30
40
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60
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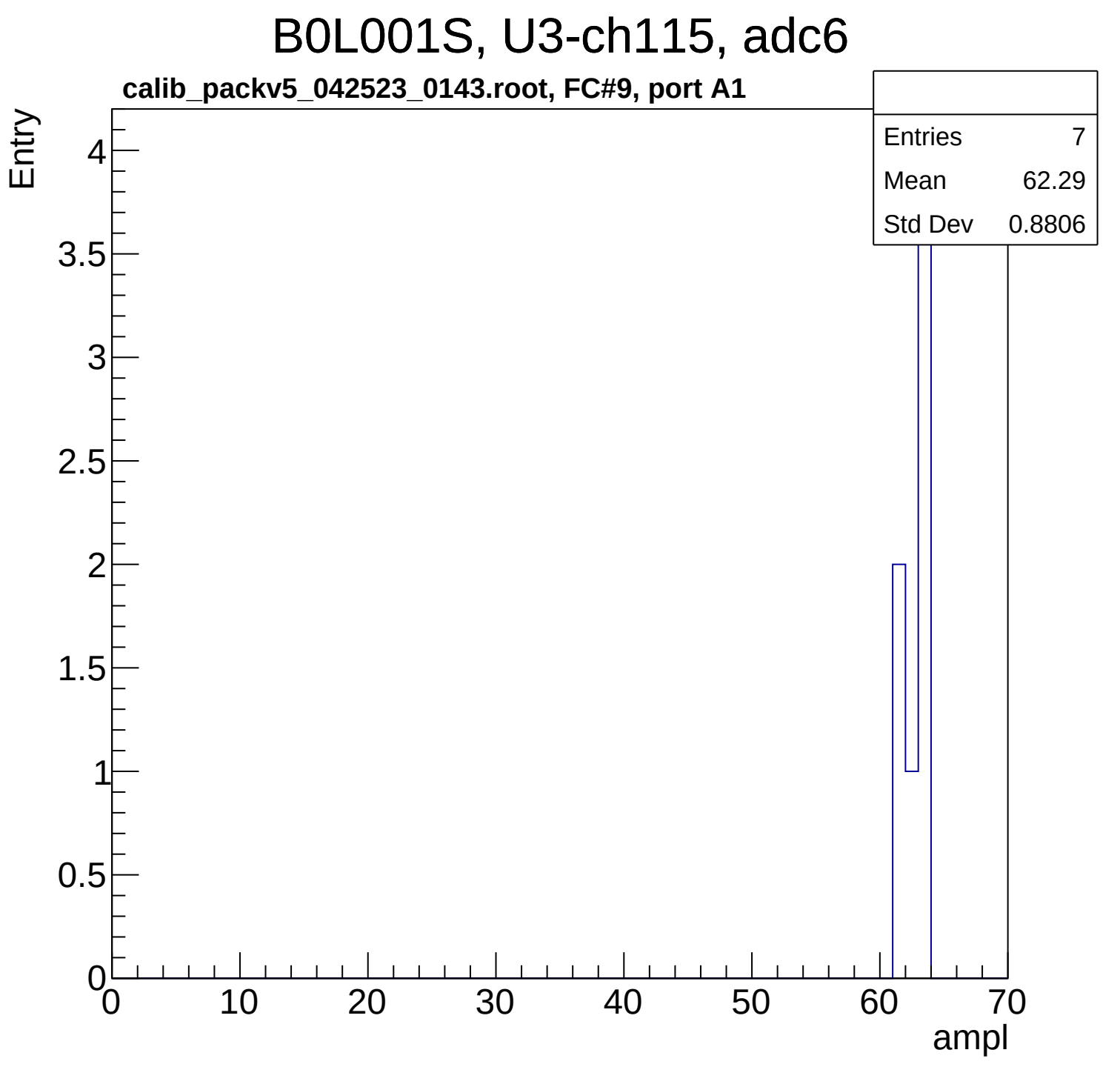
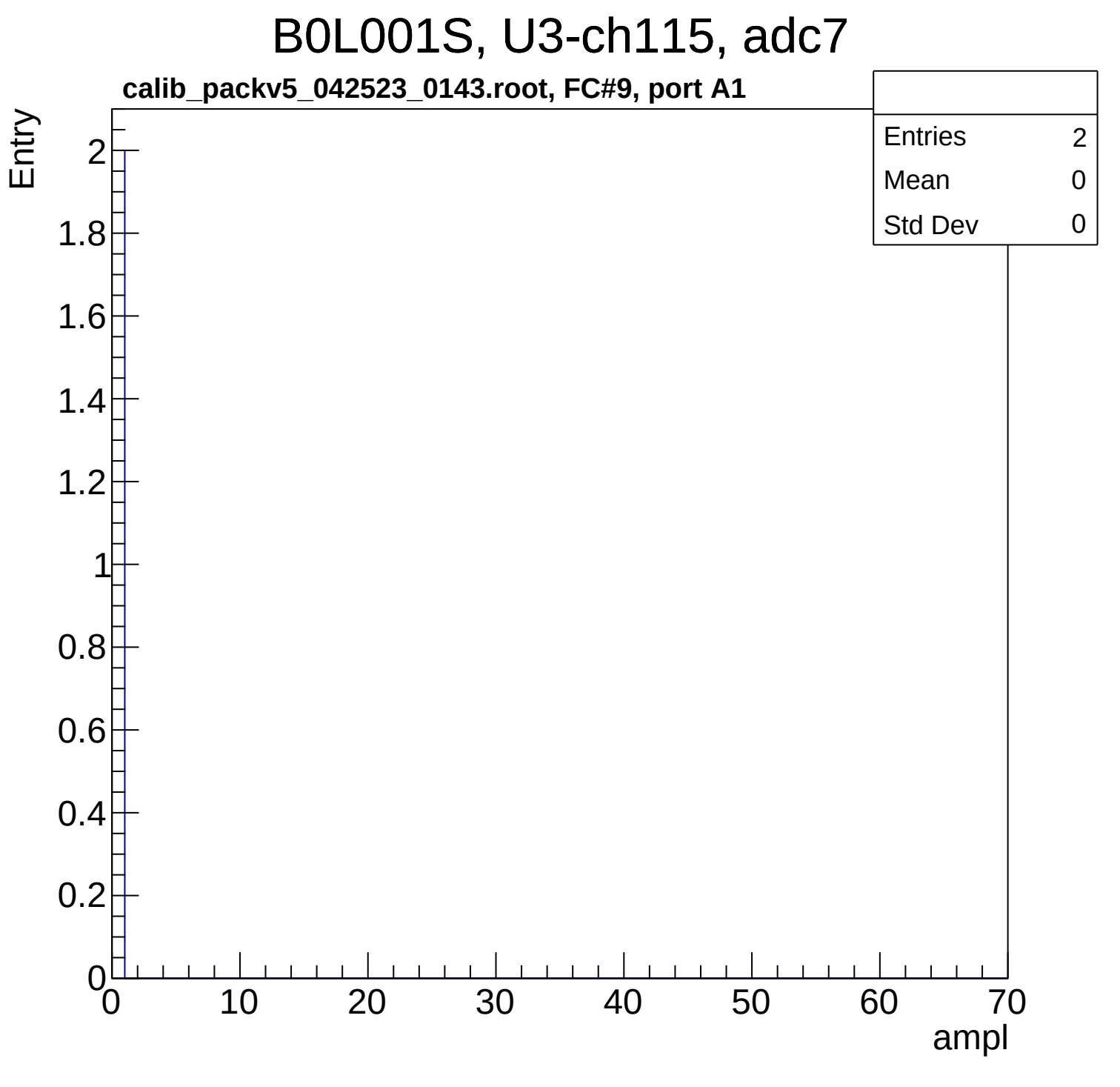
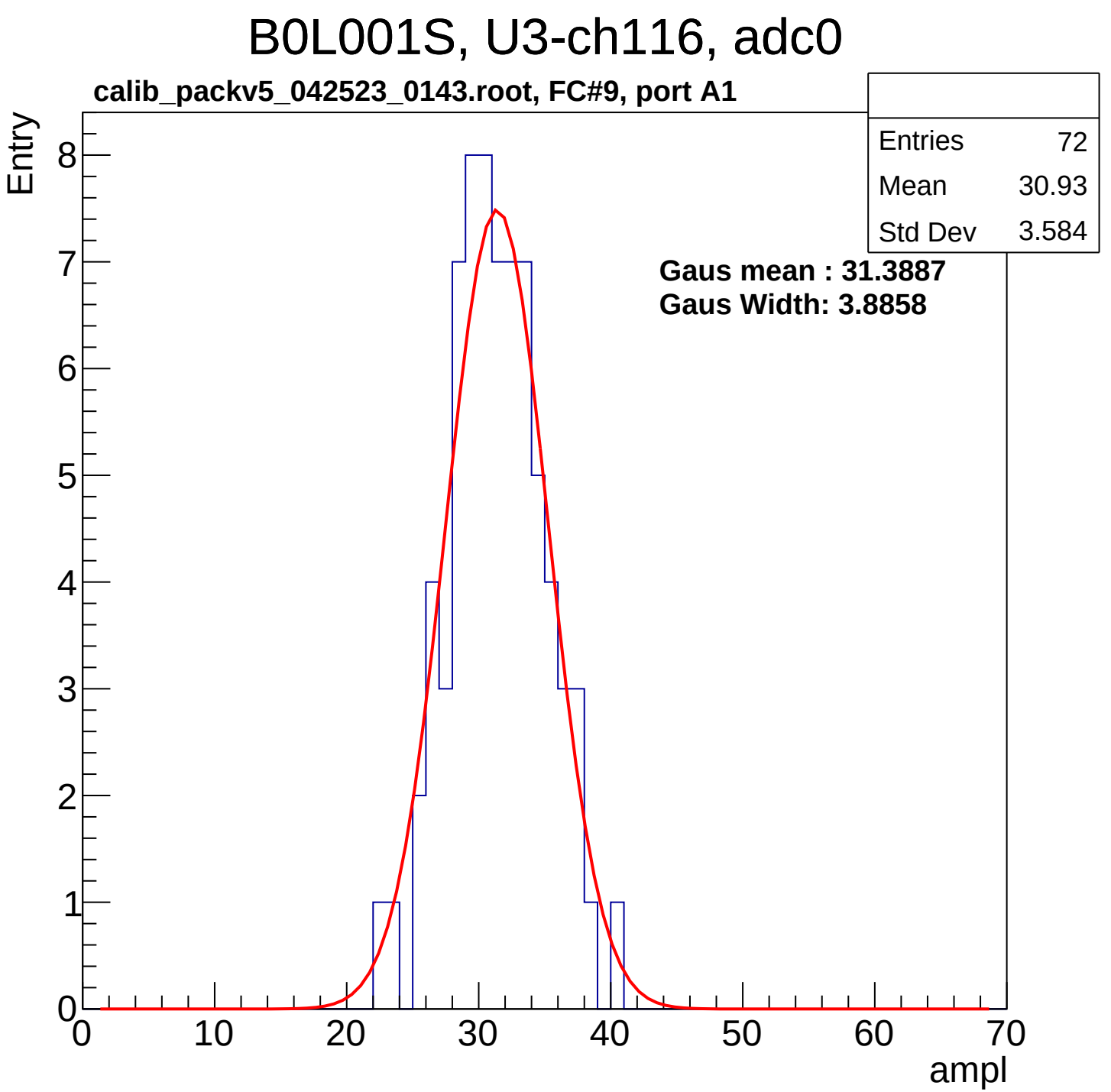

B0L001S, U3-ch115, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 62.29
Std Dev 0.8806
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch115, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch116, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 30.93
Std Dev 3.584
Gaus mean : 31.3887
Gaus Width: 3.8858
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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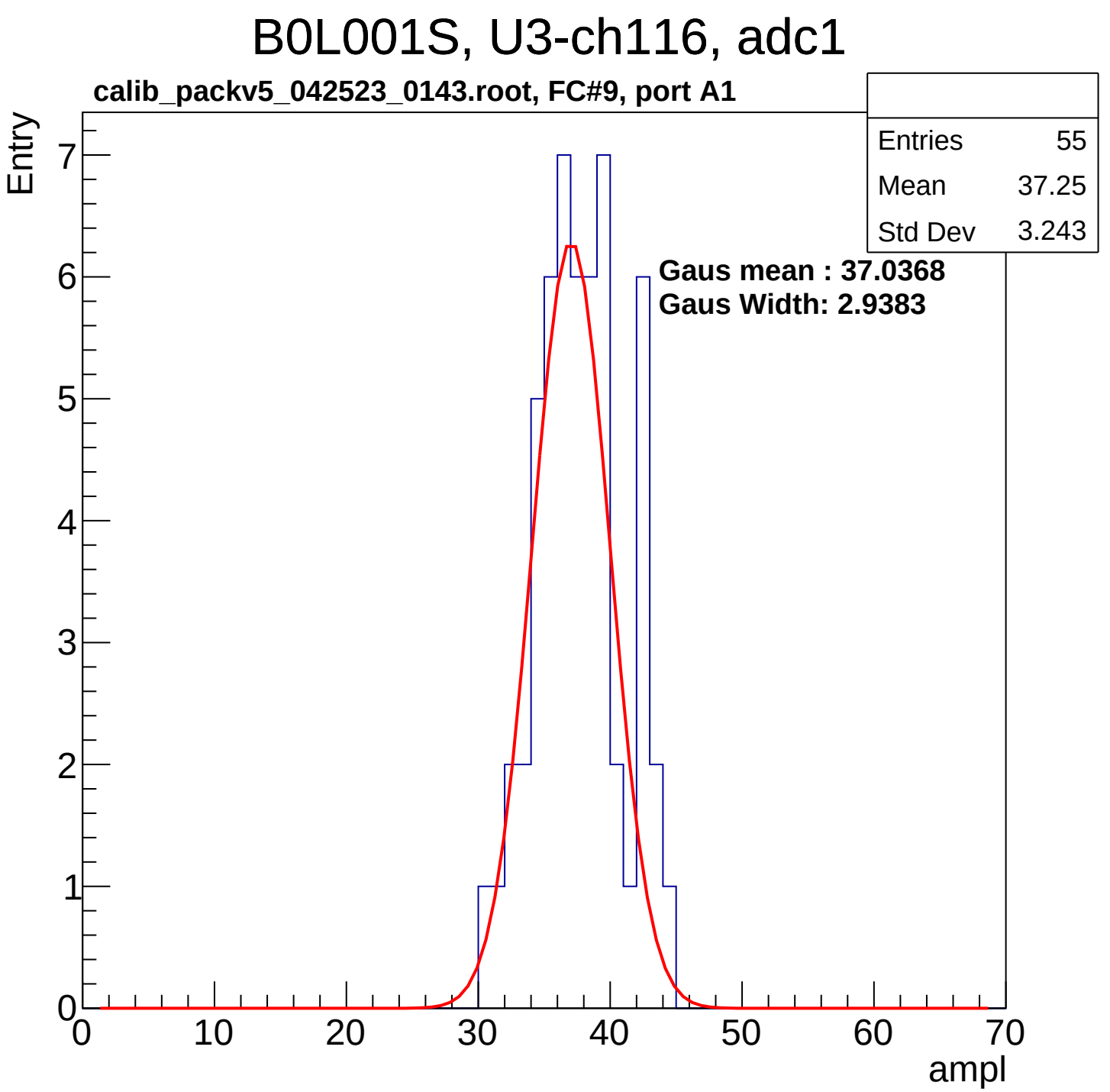
B0L001S, U3-ch116, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 37.25
Std Dev 3.243
Gaus mean : 37.0368
Gaus Width: 2.9383
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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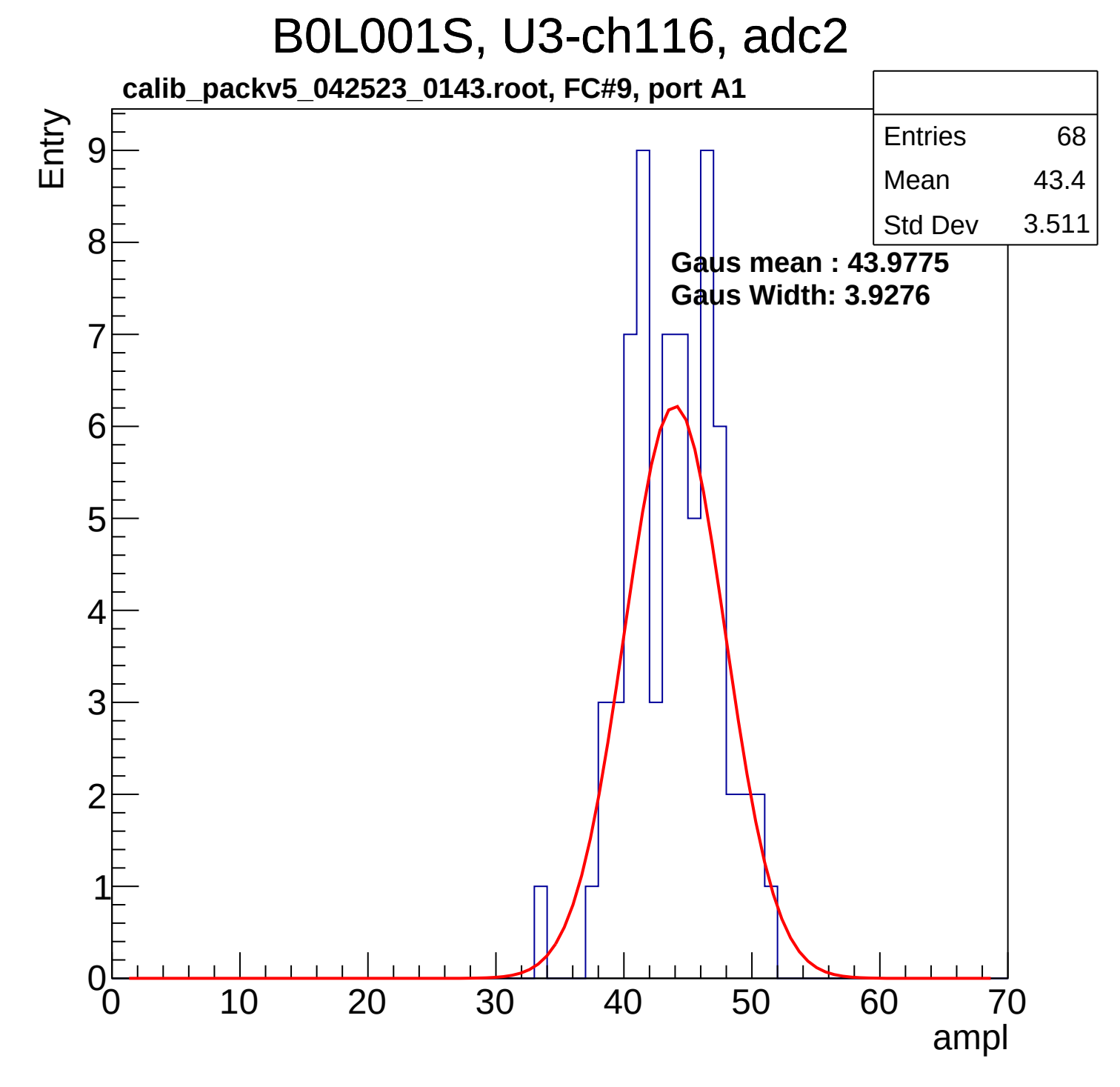
B0L001S, U3-ch116, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 68
Mean 43.4
Std Dev 3.511
Gaus mean : 43.9775
Gaus Width: 3.9276
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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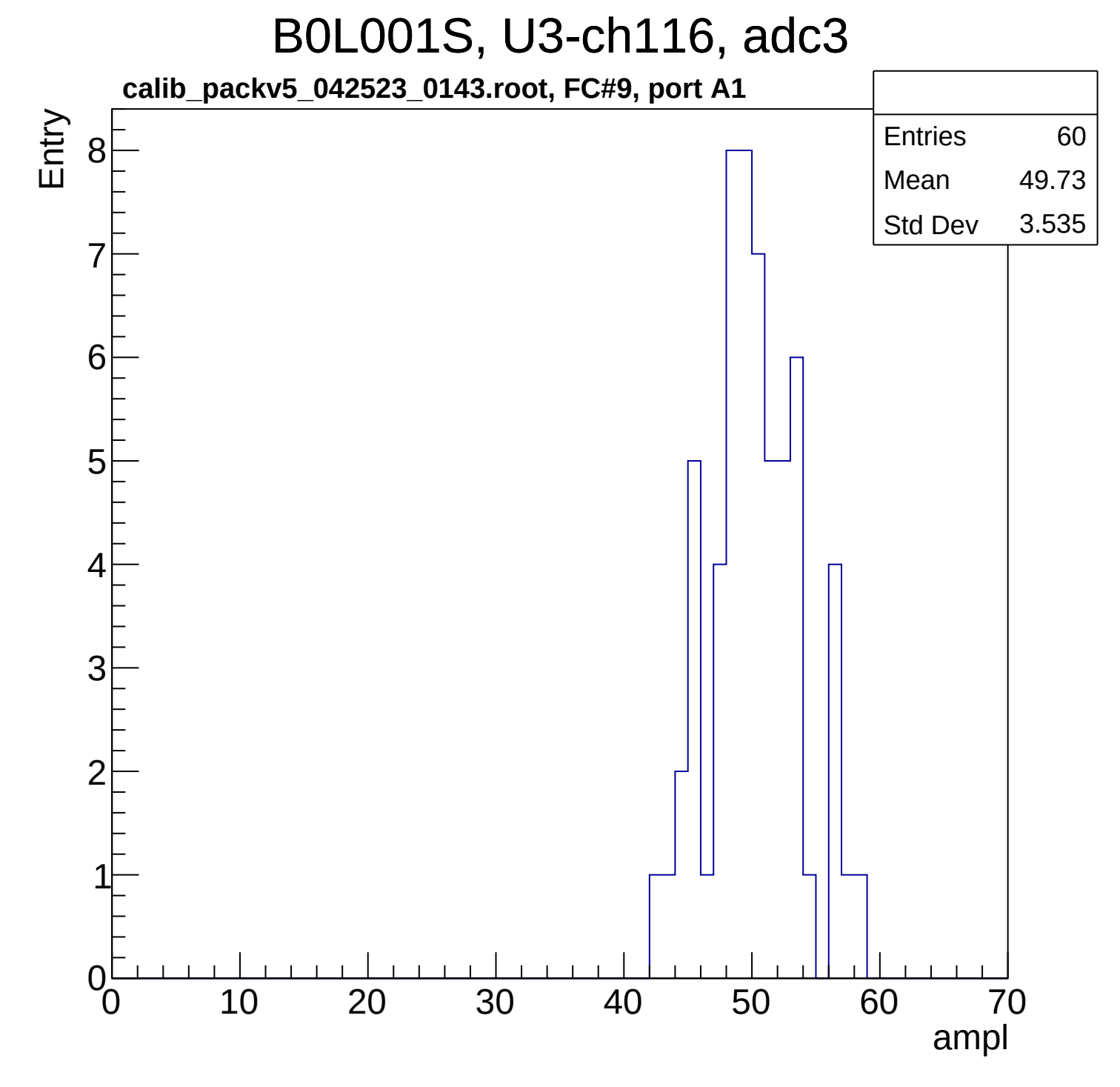
B0L001S, U3-ch116, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 60
Mean 49.73
Std Dev 3.535
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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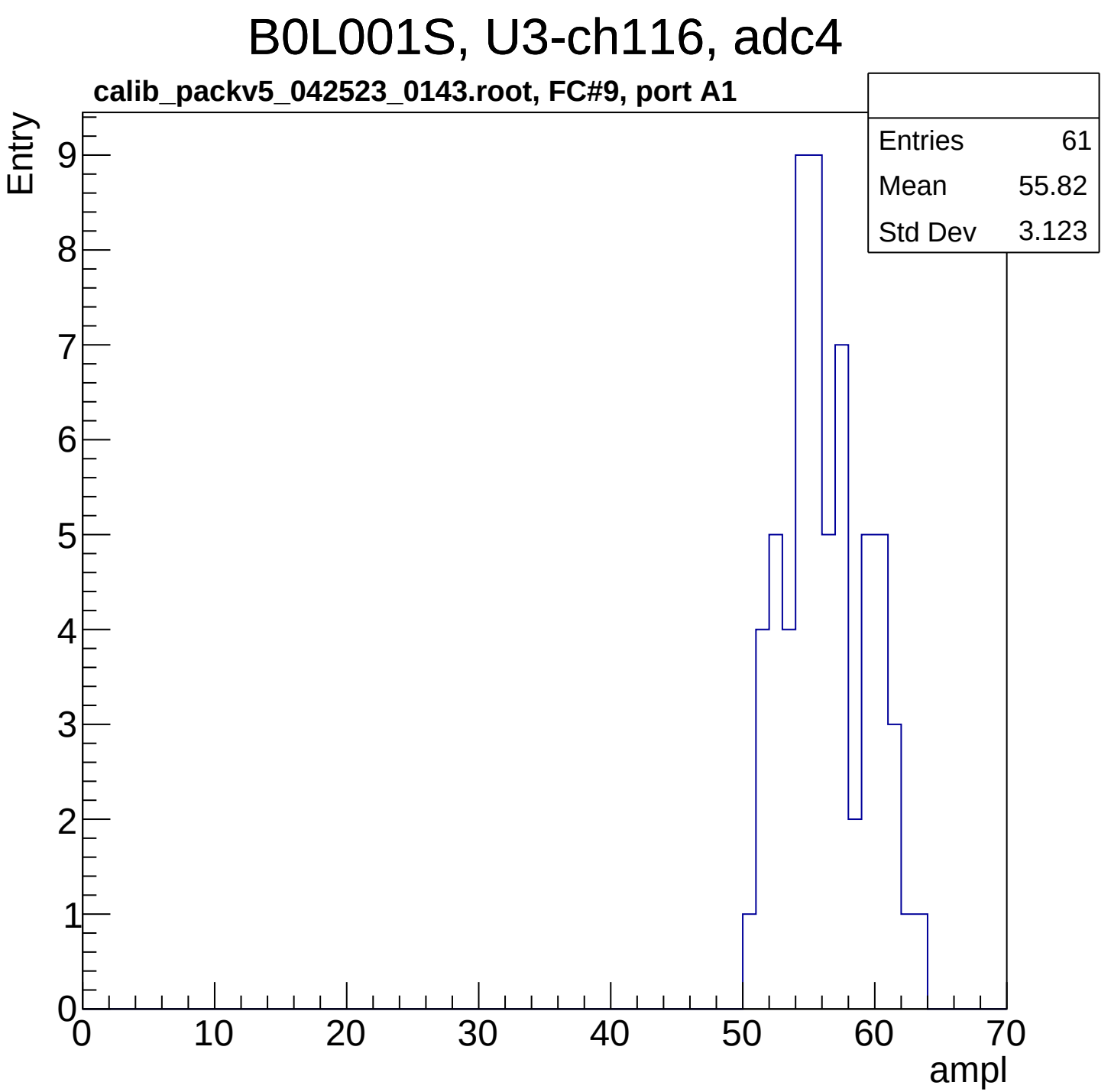
B0L001S, U3-ch116, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 55.82
Std Dev 3.123
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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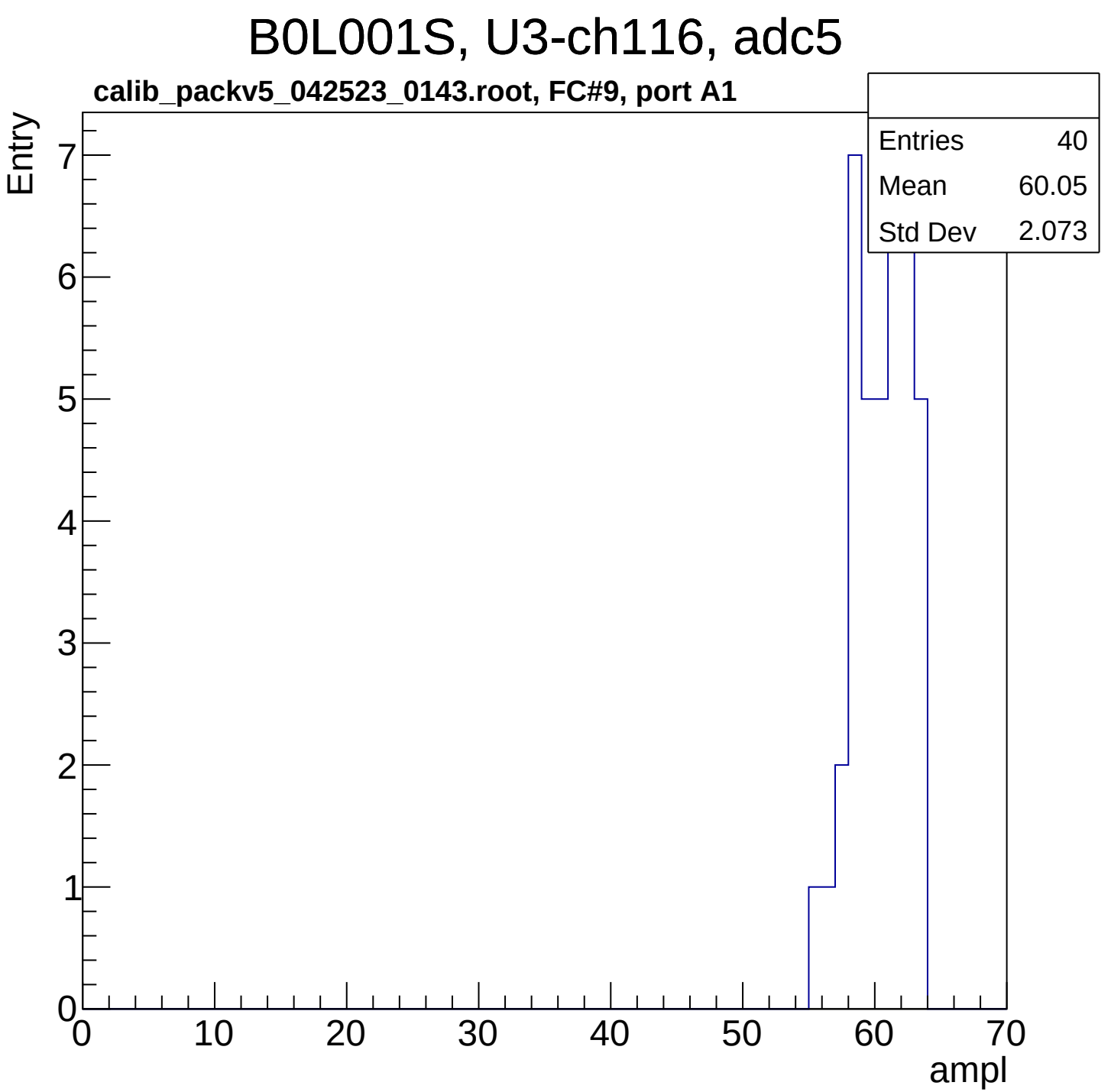
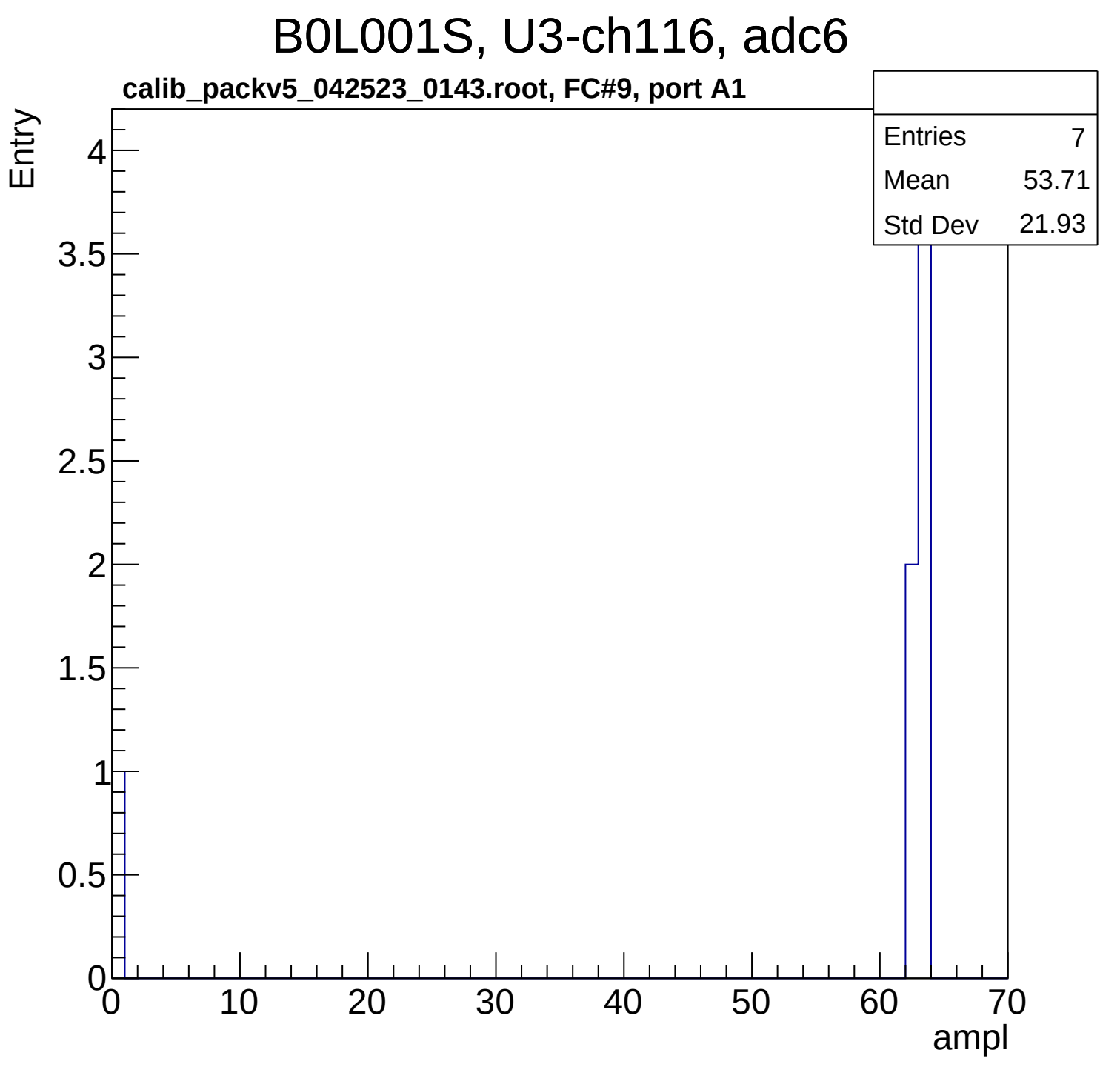
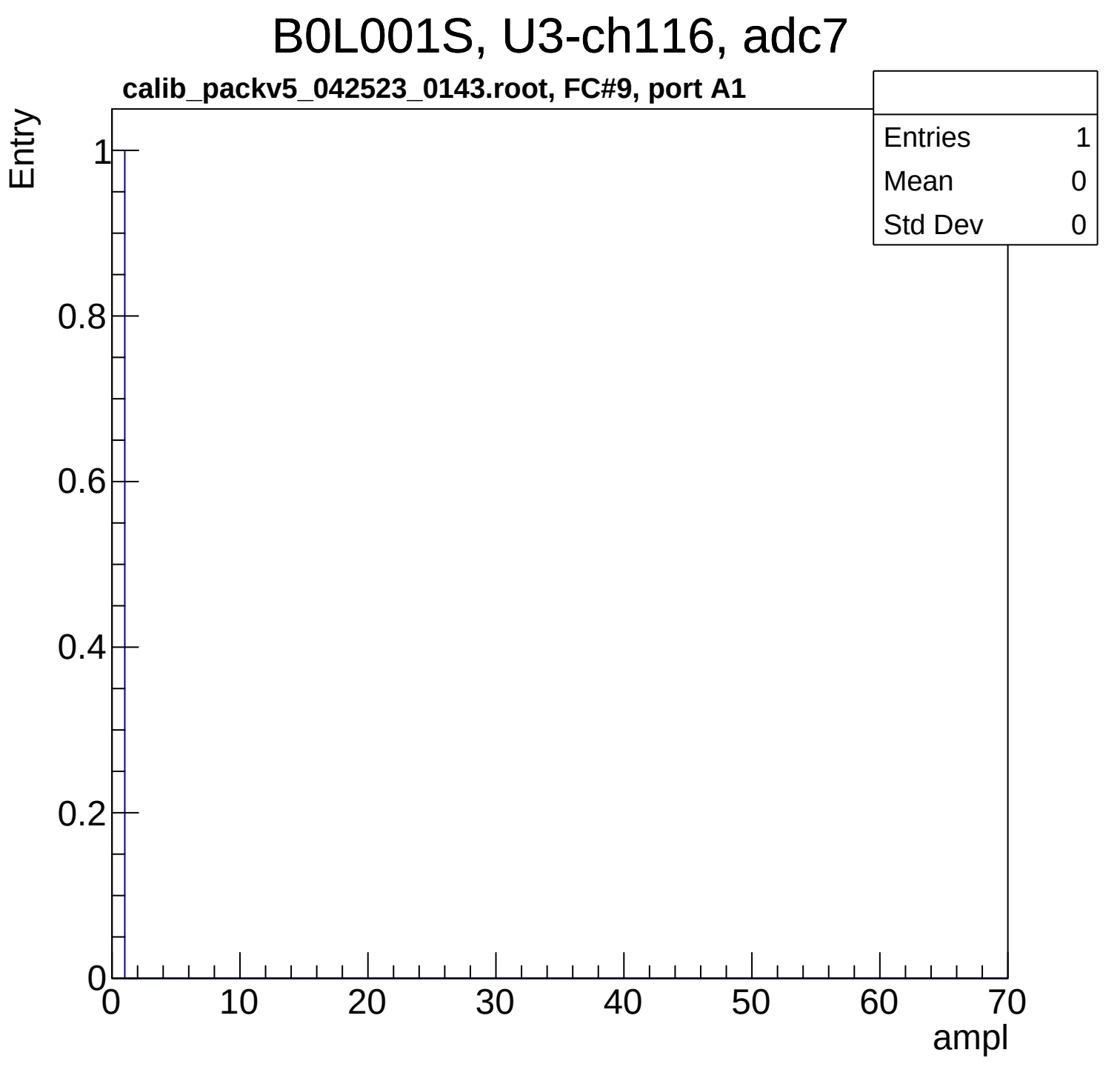

B0L001S, U3-ch116, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 60.05
Std Dev 2.073
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch116, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 7
Mean 53.71
Std Dev 21.93
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B0L001S, U3-ch116, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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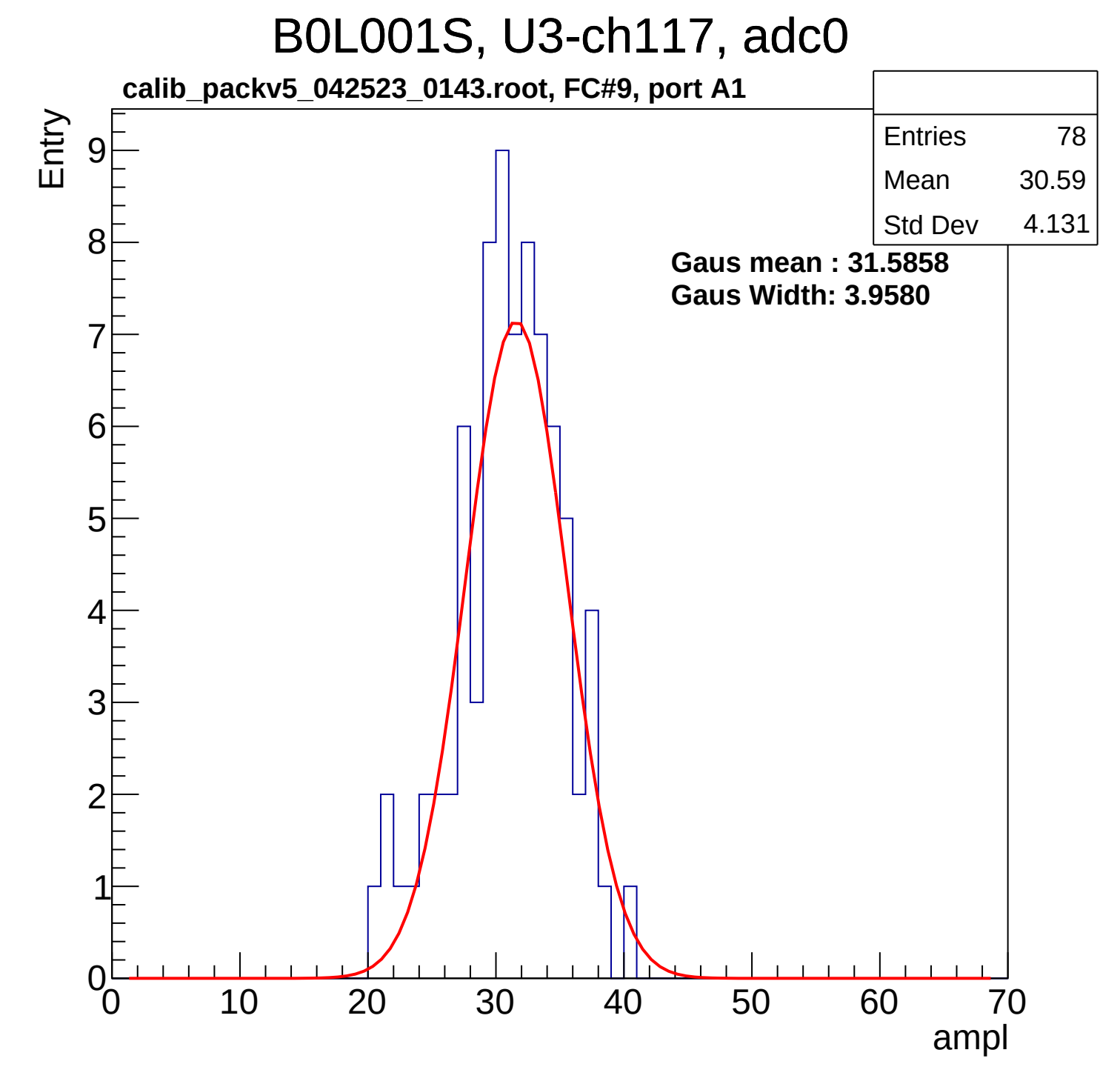
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch117, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 30.59
Std Dev 4.131
Gaus mean : 31.5858
Gaus Width: 3.9580
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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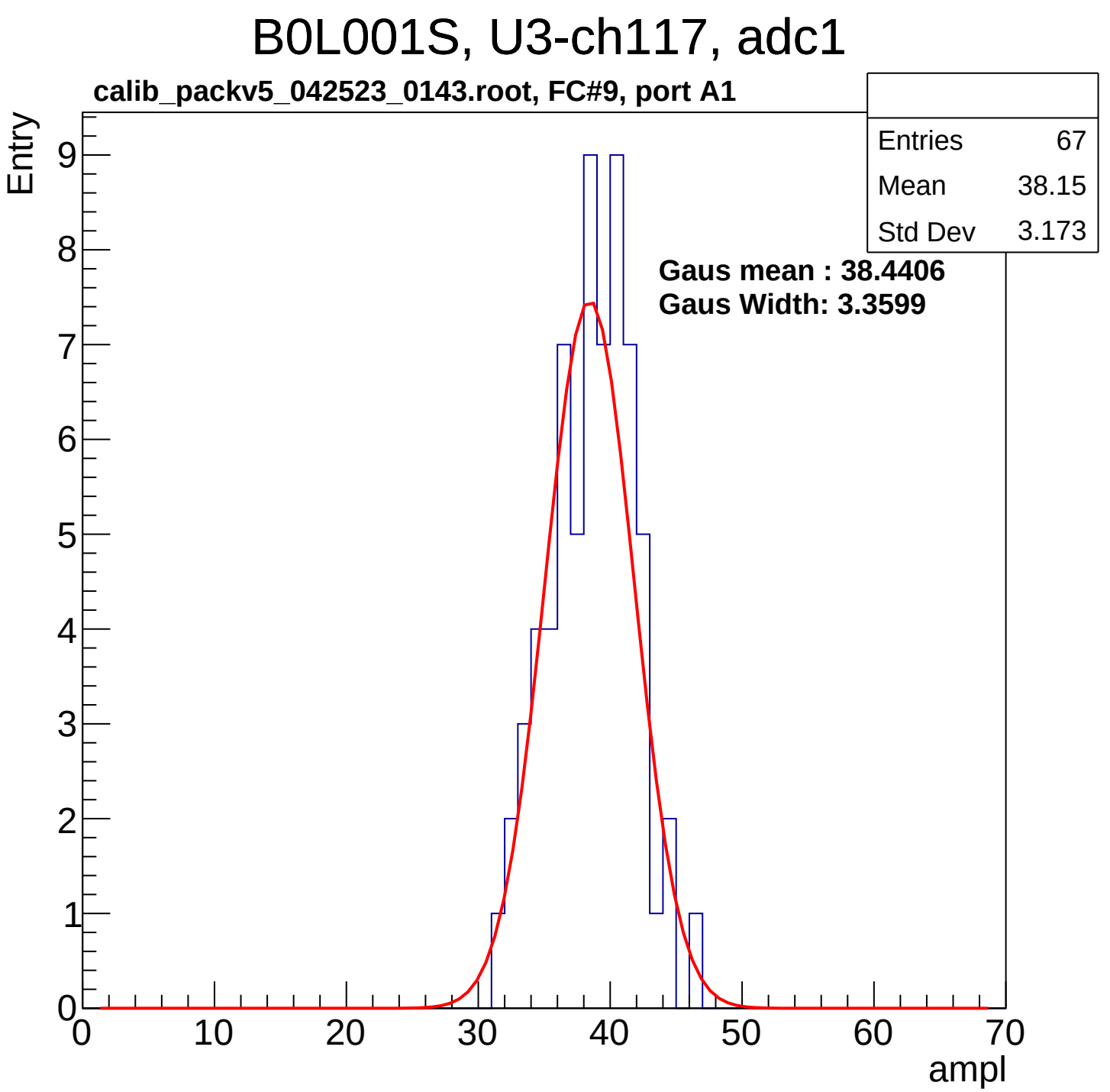
B0L001S, U3-ch117, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 38.15
Std Dev 3.173
Gaus mean : 38.4406
Gaus Width: 3.3599
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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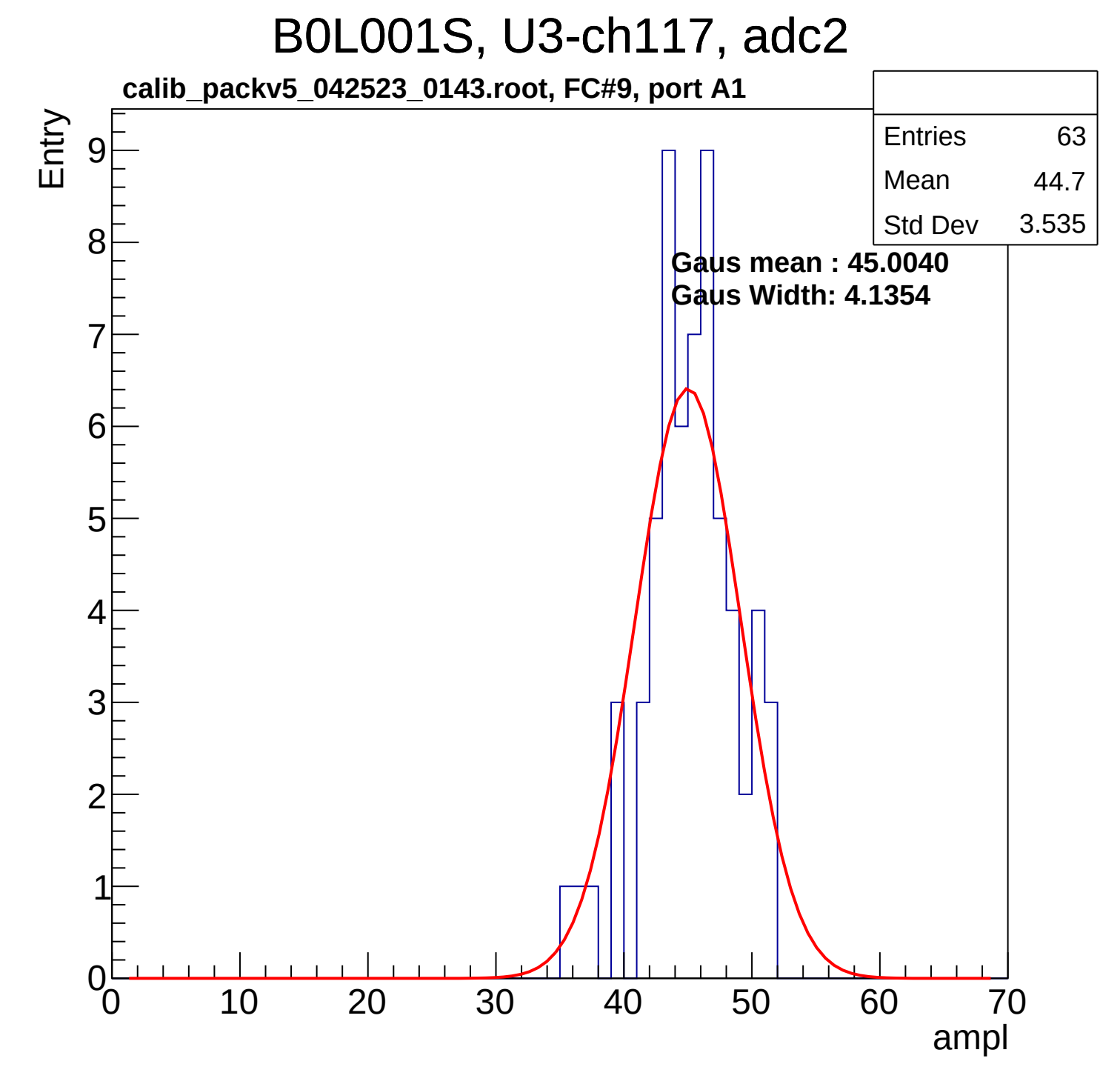
B0L001S, U3-ch117, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 44.7
Std Dev 3.535
Gaus mean : 45.0040
Gaus Width: 4.1354
Entry
ampl
0
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2
3
4
5
6
7
8
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0
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20
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40
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60
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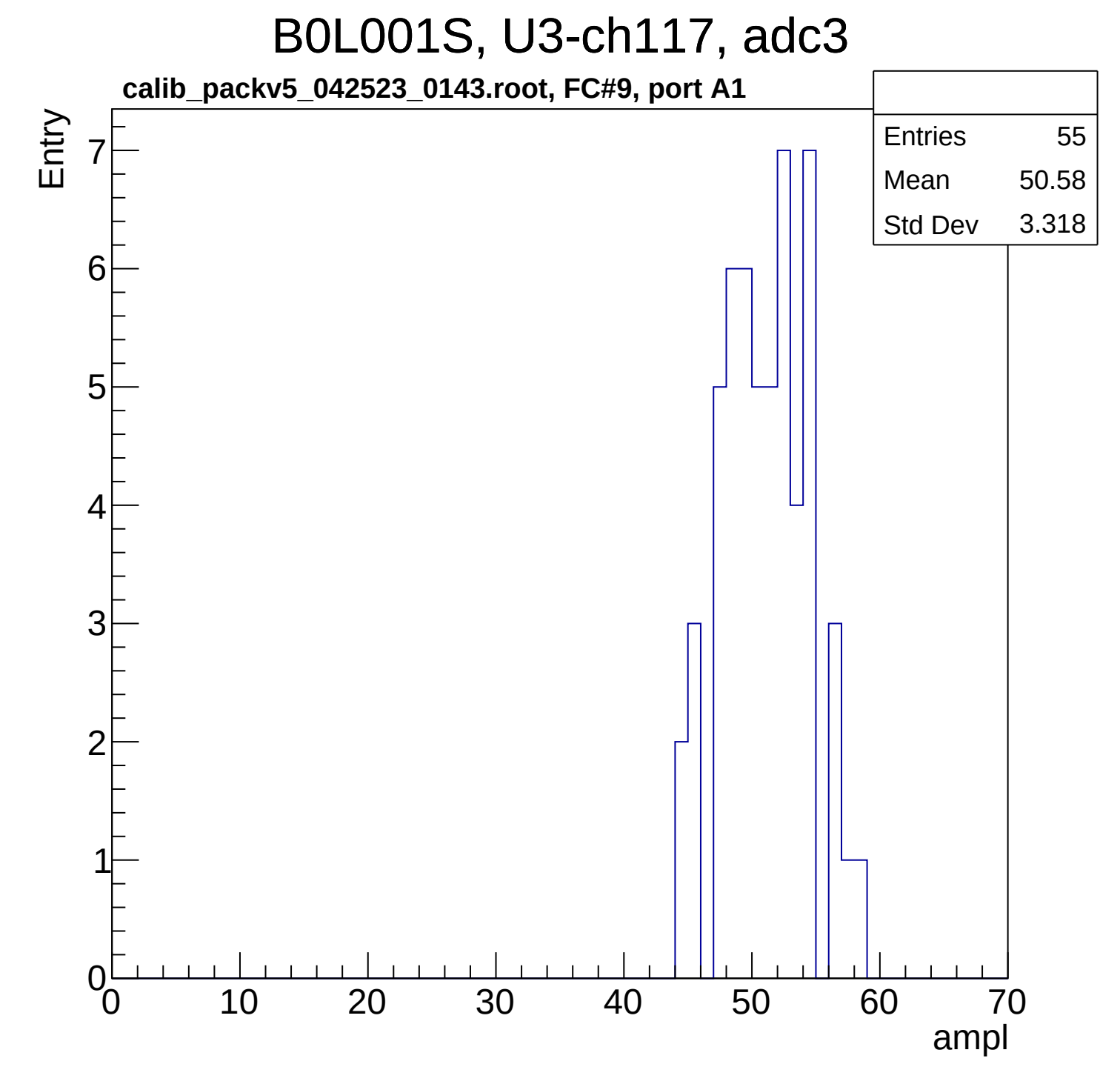
B0L001S, U3-ch117, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 50.58
Std Dev 3.318
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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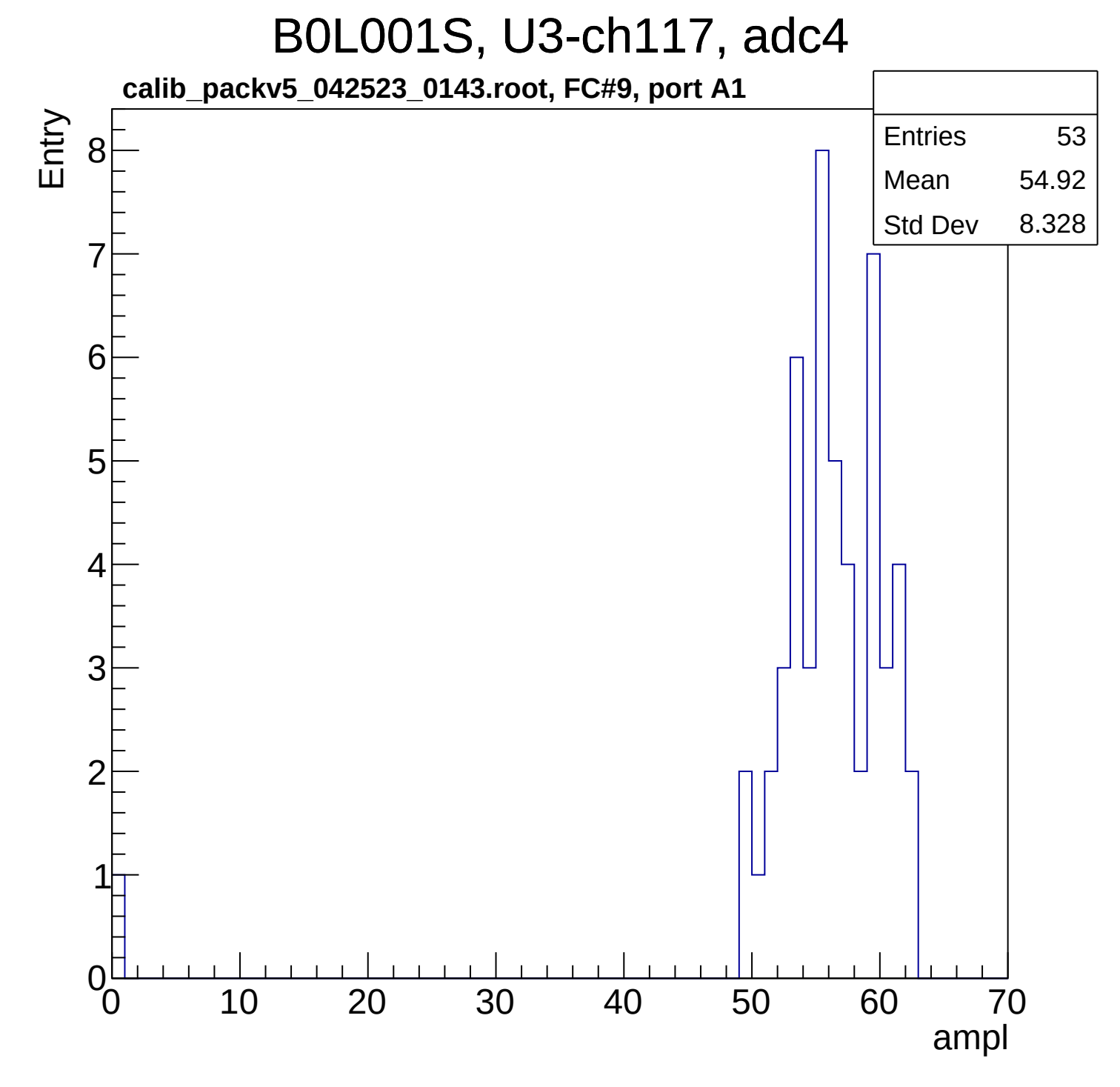
B0L001S, U3-ch117, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 53
Mean 54.92
Std Dev 8.328
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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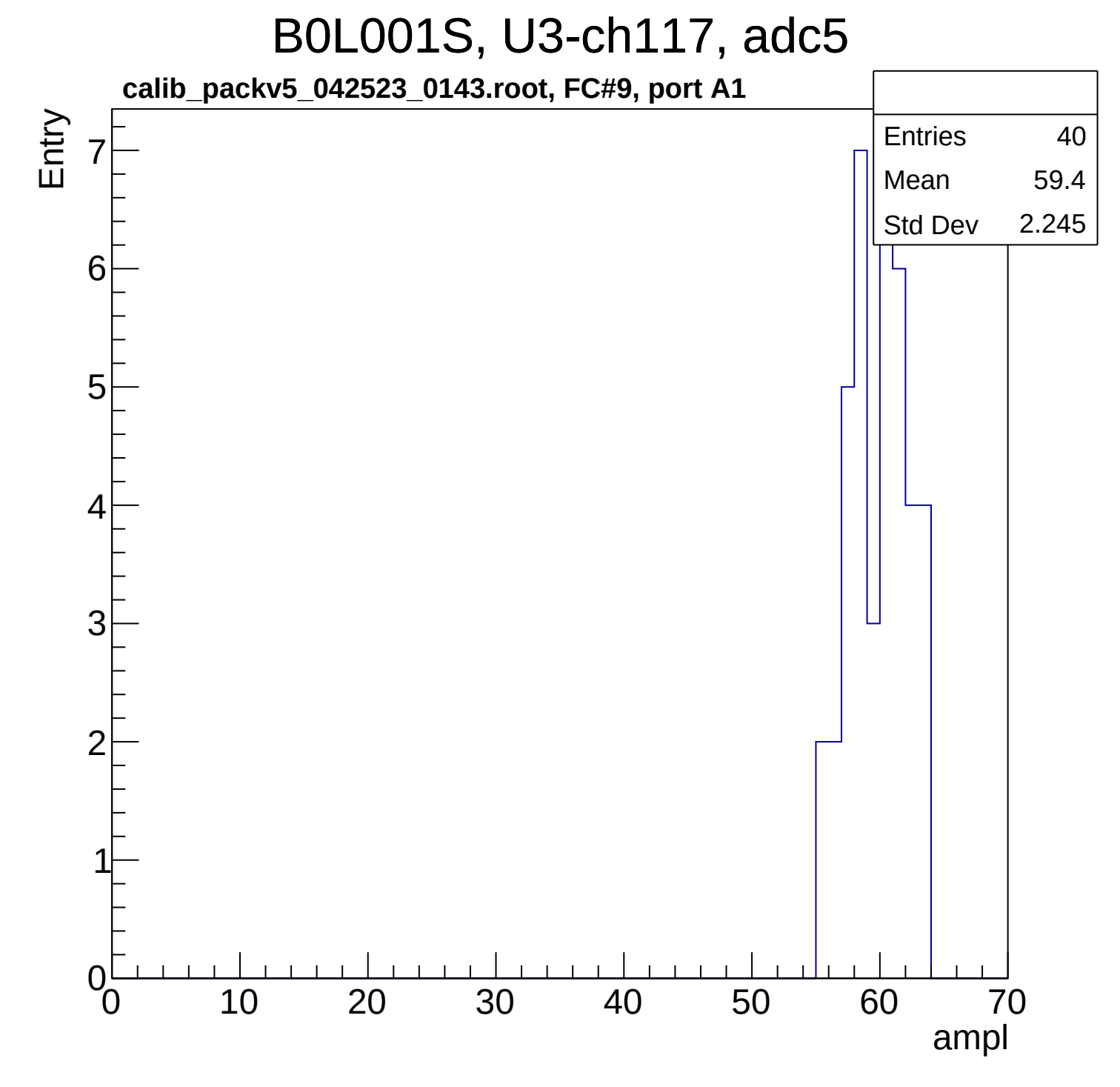
B0L001S, U3-ch117, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 40
Mean 59.4
Std Dev 2.245
Entry
ampl
0
1
2
3
4
5
6
7
0
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40
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60
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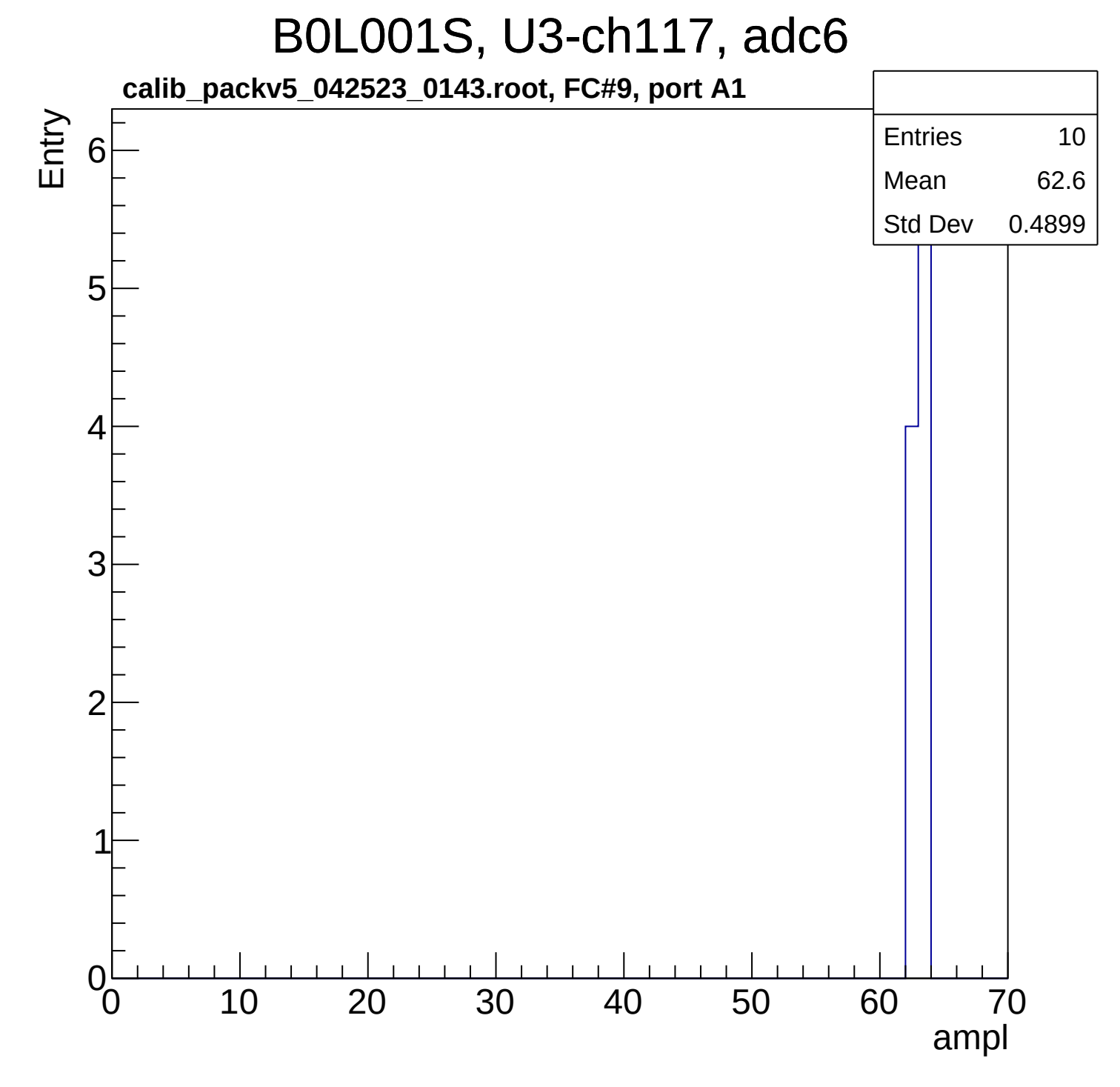
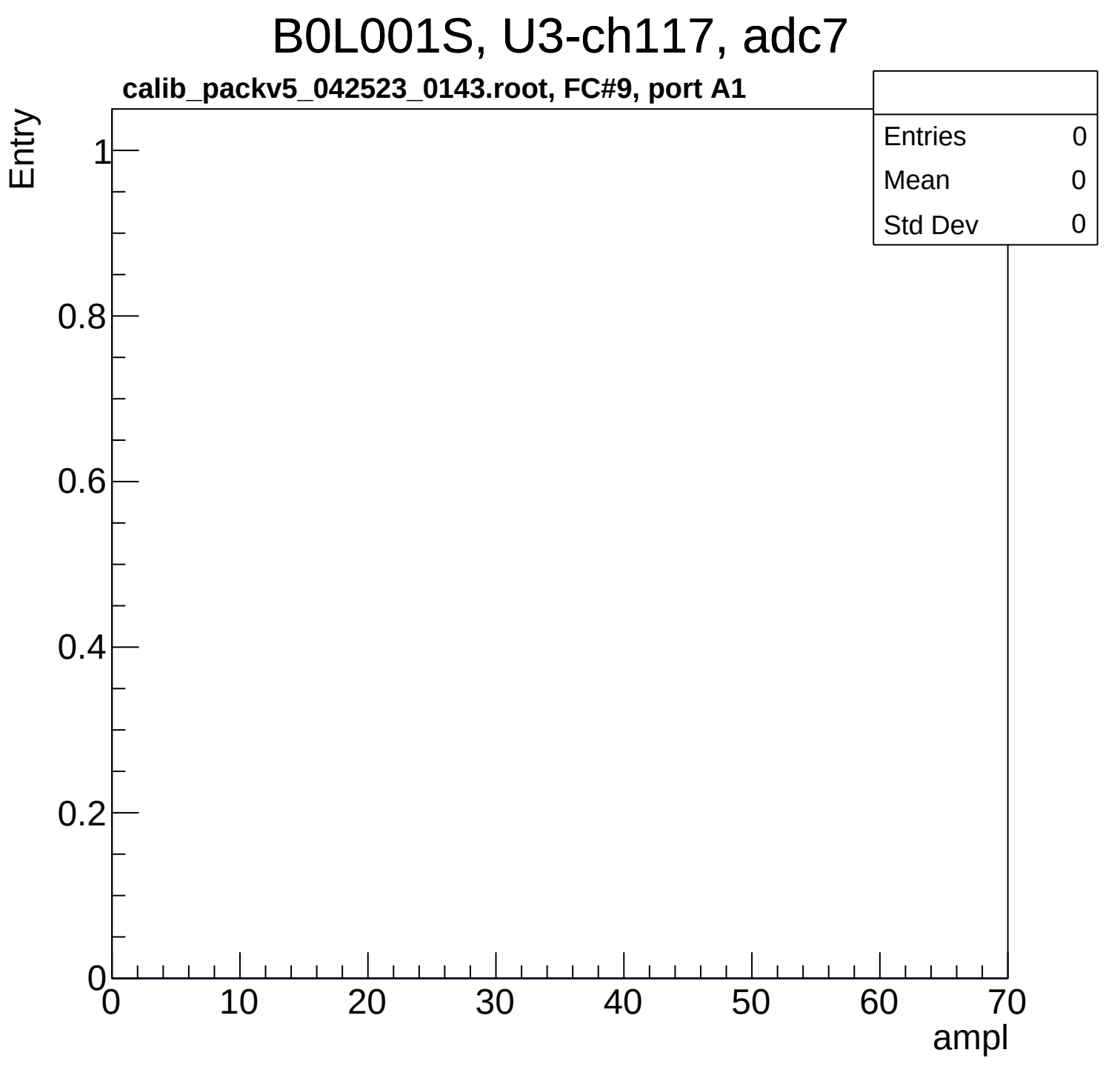
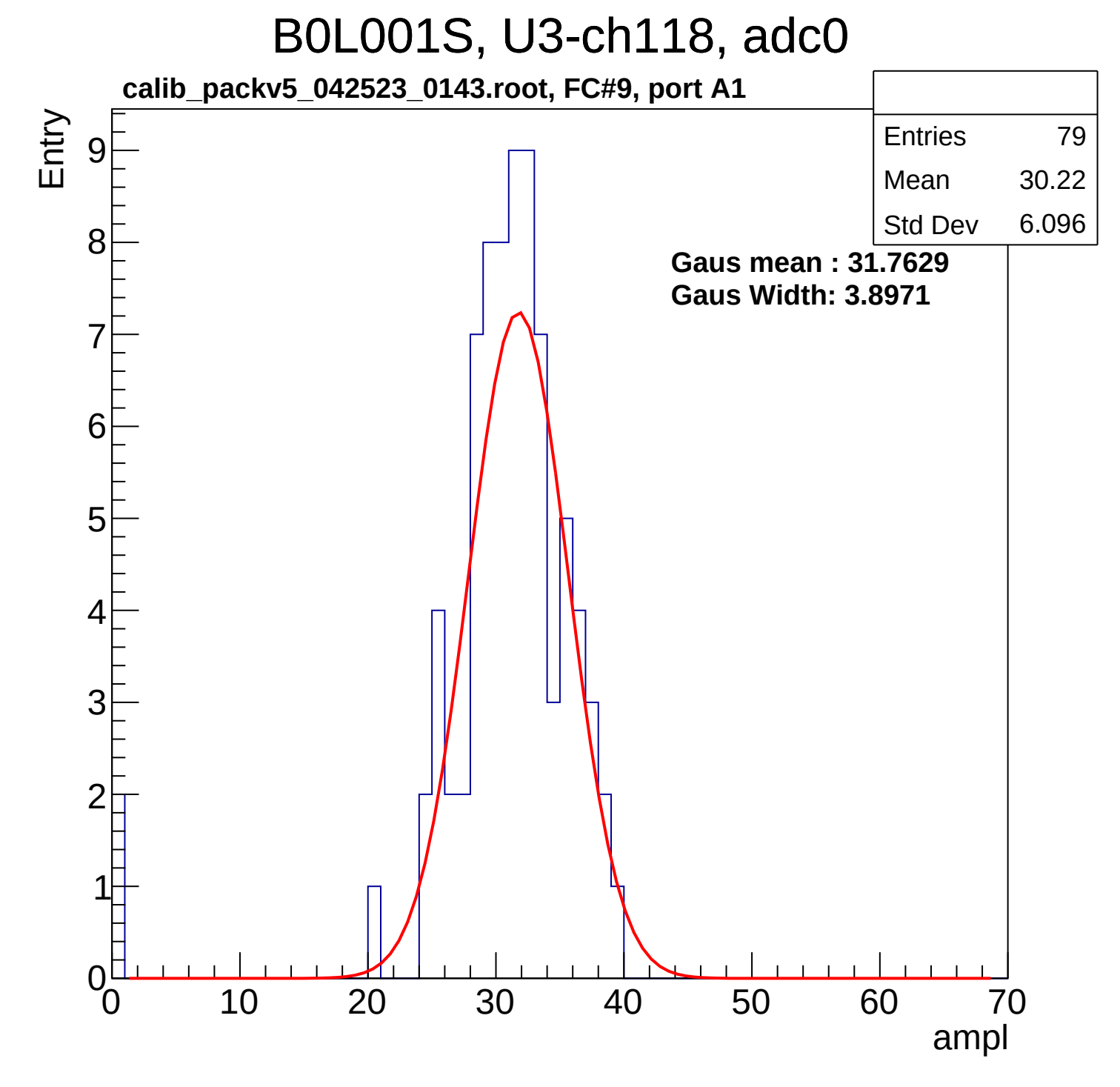
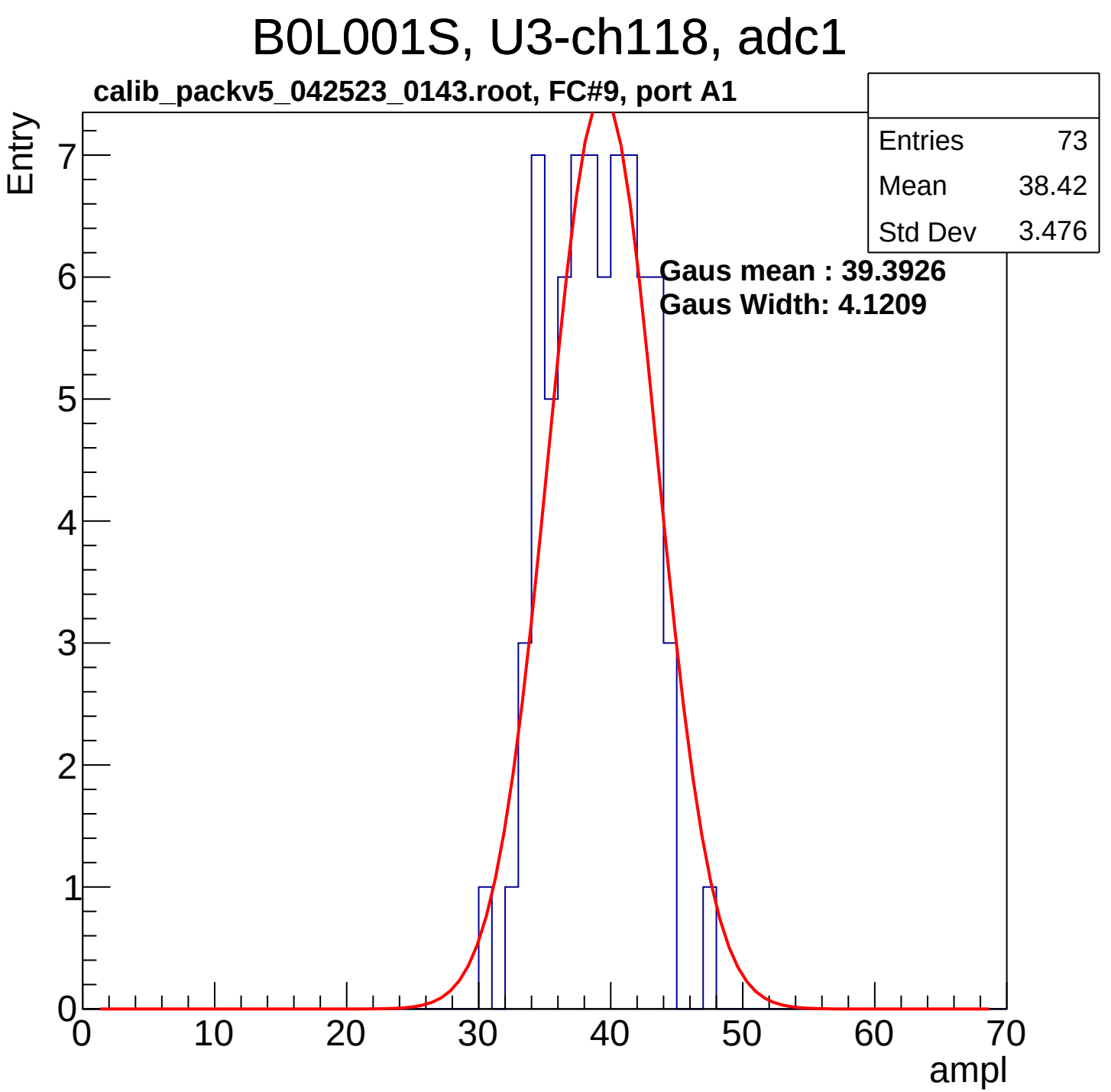

B0L001S, U3-ch117, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 10
Mean 62.6
Std Dev 0.4899
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch117, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch118, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 79
Mean 30.22
Std Dev 6.096
Gaus mean : 31.7629
Gaus Width: 3.8971
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch118, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 38.42
Std Dev 3.476
Gaus mean : 39.3926
Gaus Width: 4.1209
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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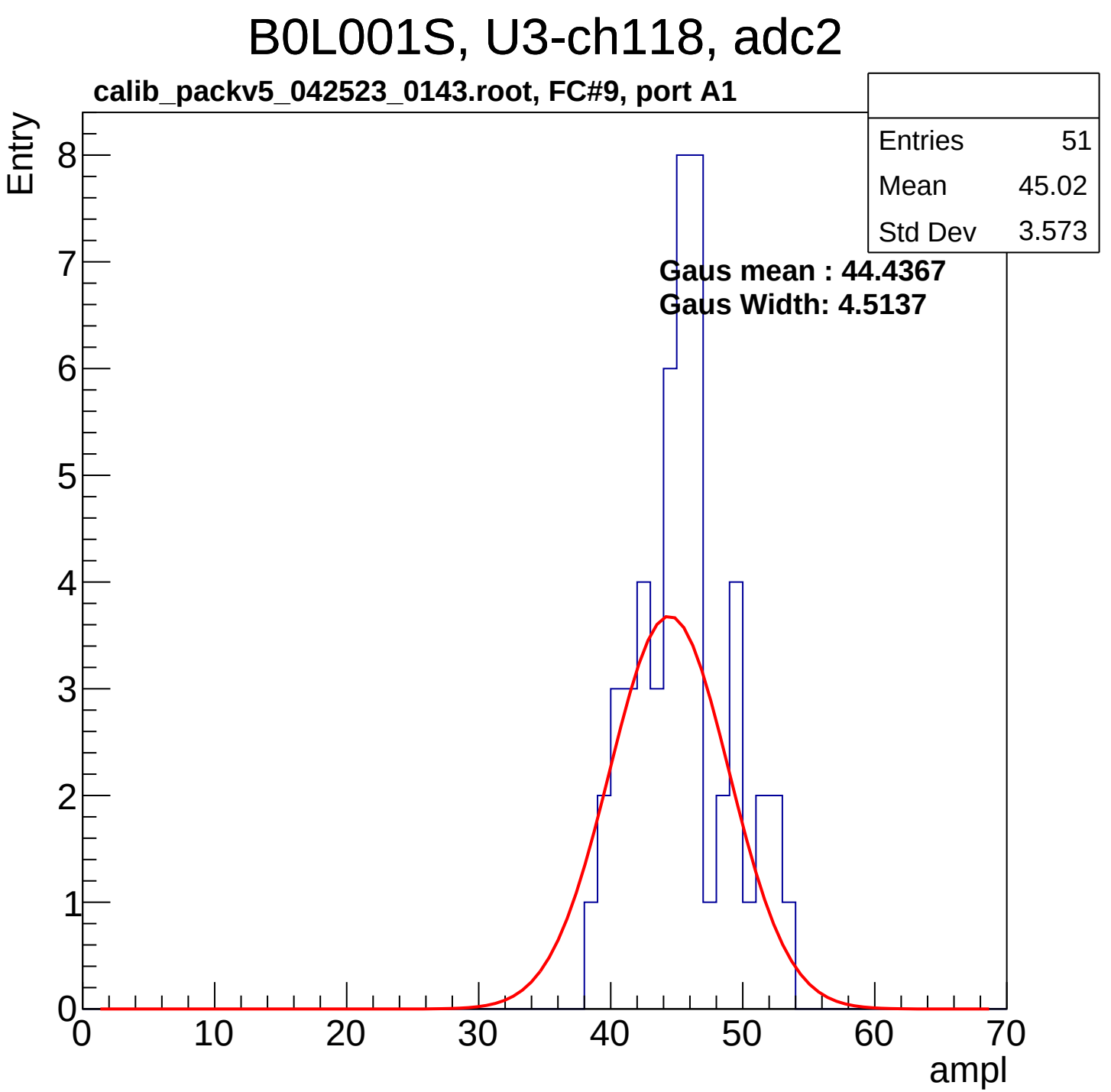
40
50
60
70


B0L001S, U3-ch118, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 45.02
Std Dev 3.573
Gaus mean : 44.4367
Gaus Width: 4.5137
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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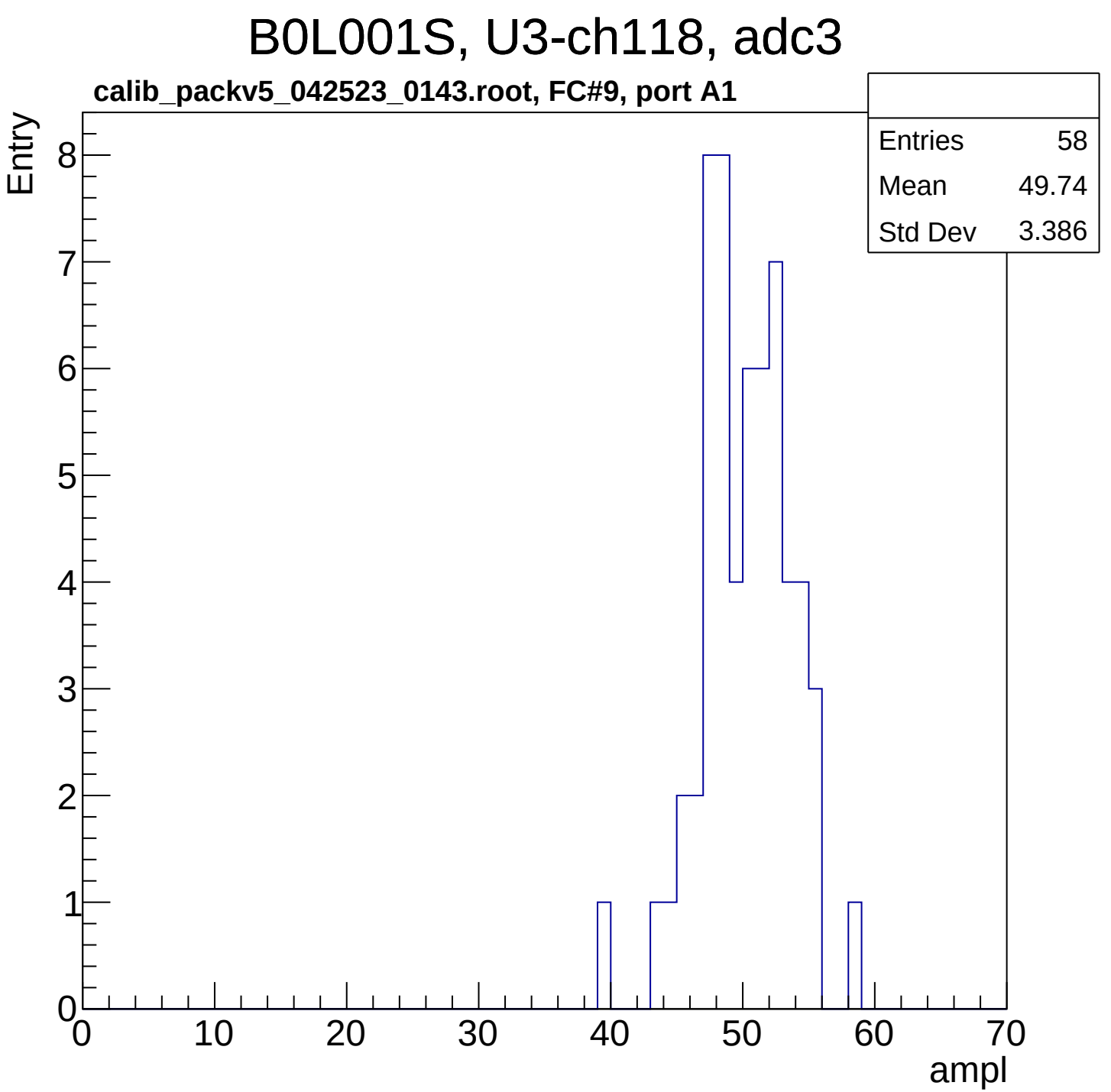
B0L001S, U3-ch118, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 49.74
Std Dev 3.386
Entry
ampl
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1
2
3
4
5
6
7
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0
10
20
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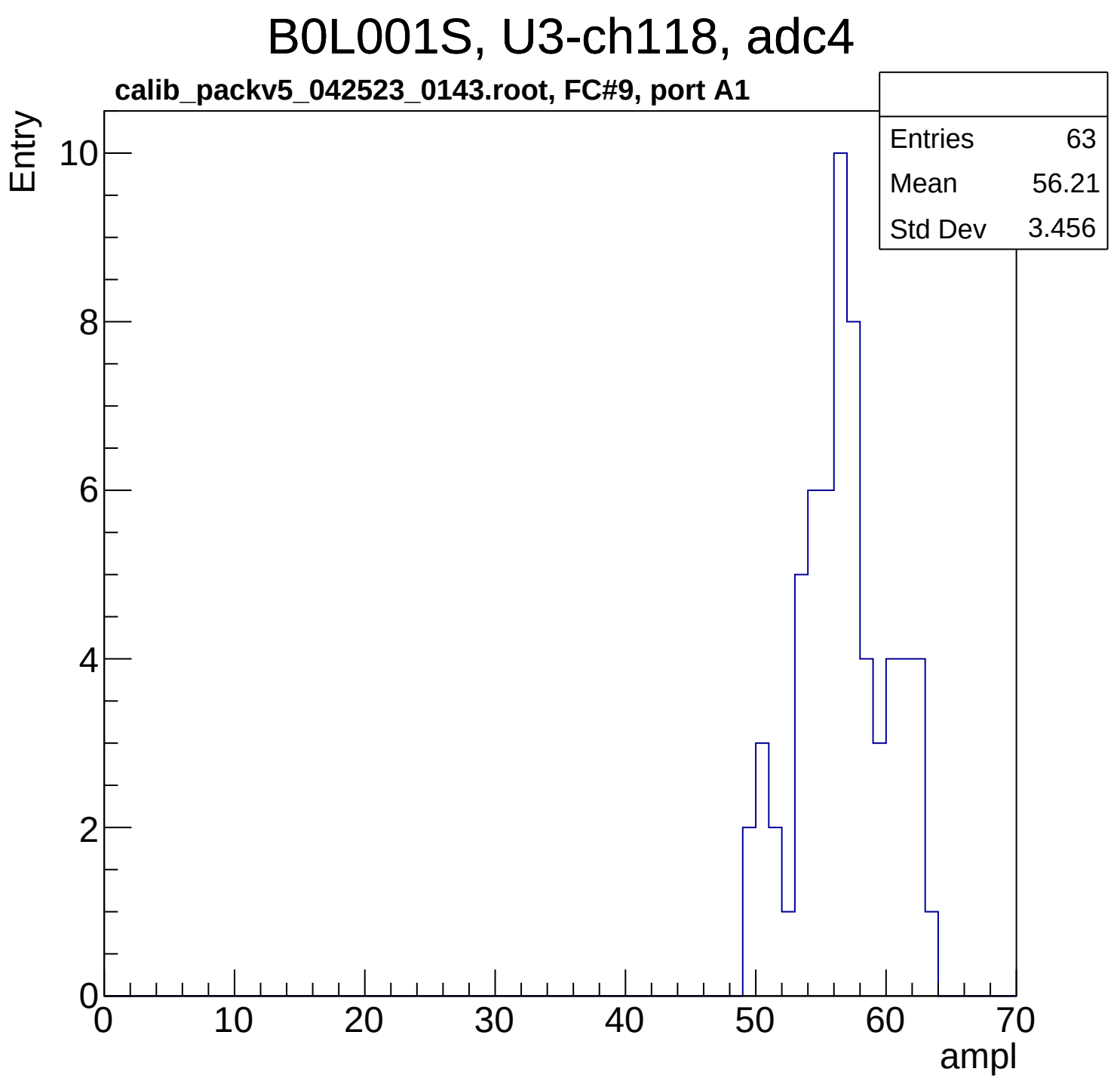
40
50
60
70


B0L001S, U3-ch118, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 56.21
Std Dev 3.456
Entry
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2
4
6
8
10
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10
20
30
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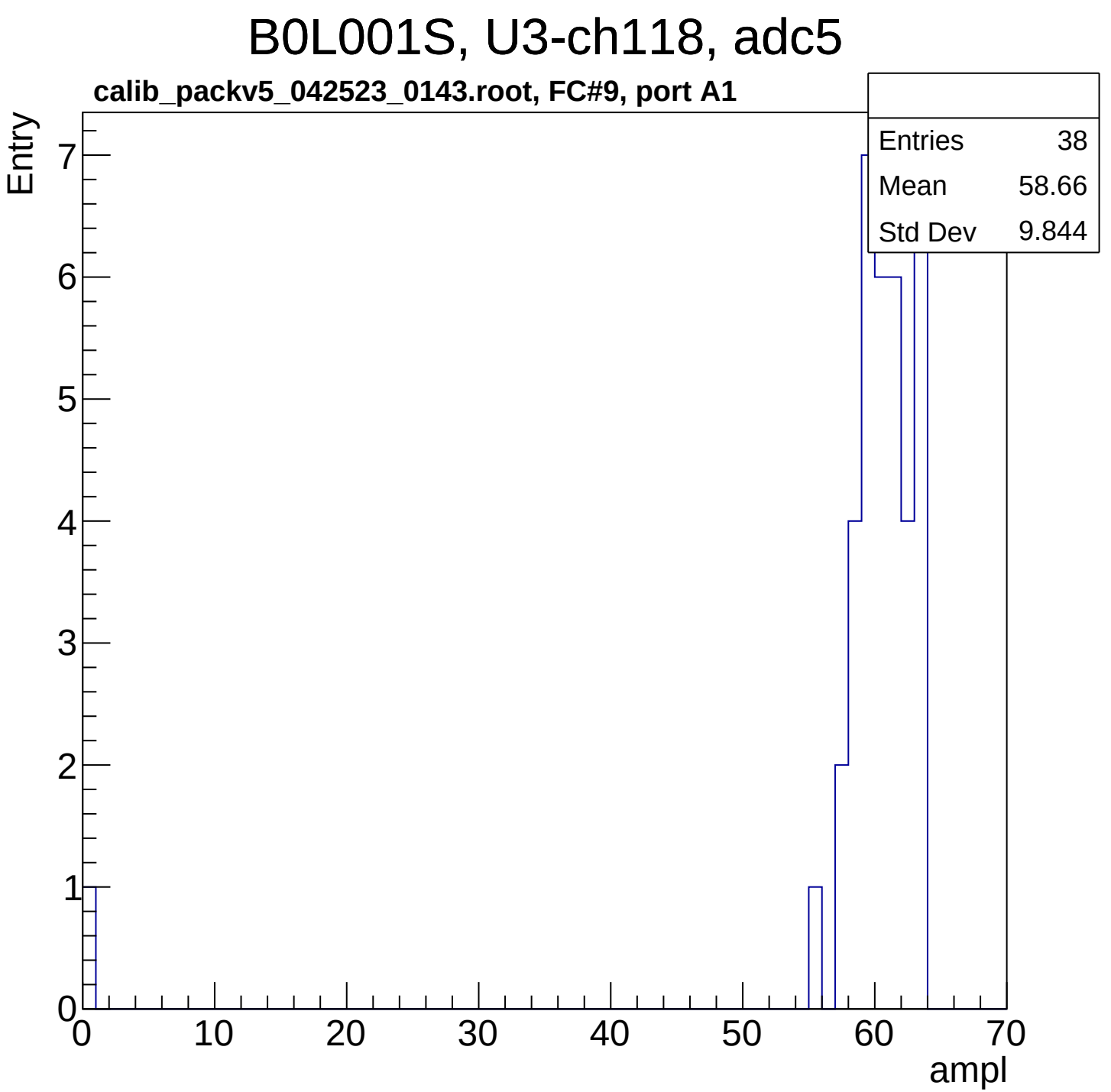
50
60
70
ampl


B0L001S, U3-ch118, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 38
Mean 58.66
Std Dev 9.844
Entry
ampl
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4
5
6
7
0
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20
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40
50
60
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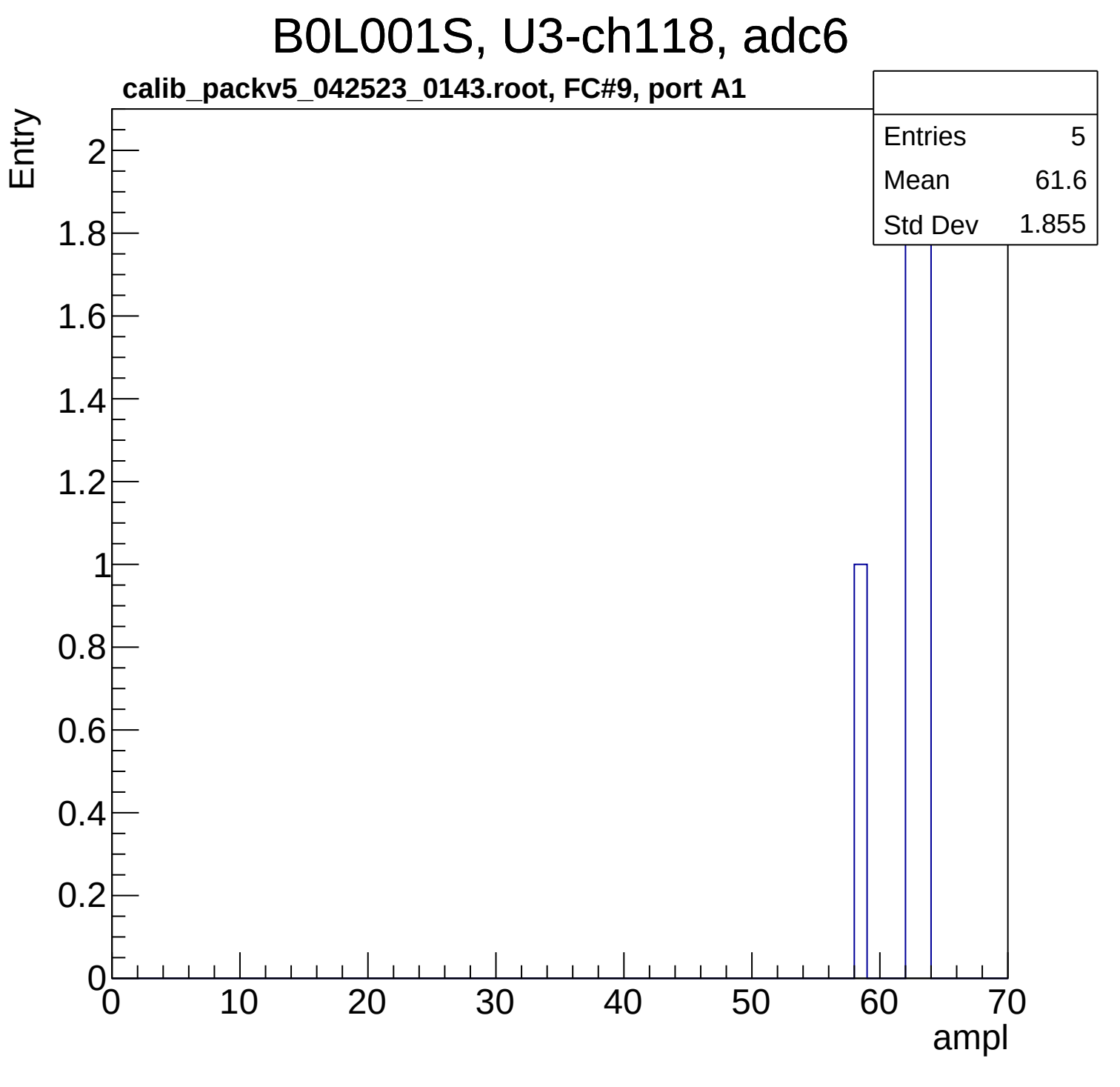
B0L001S, U3-ch118, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 61.6
Std Dev 1.855
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
50
60
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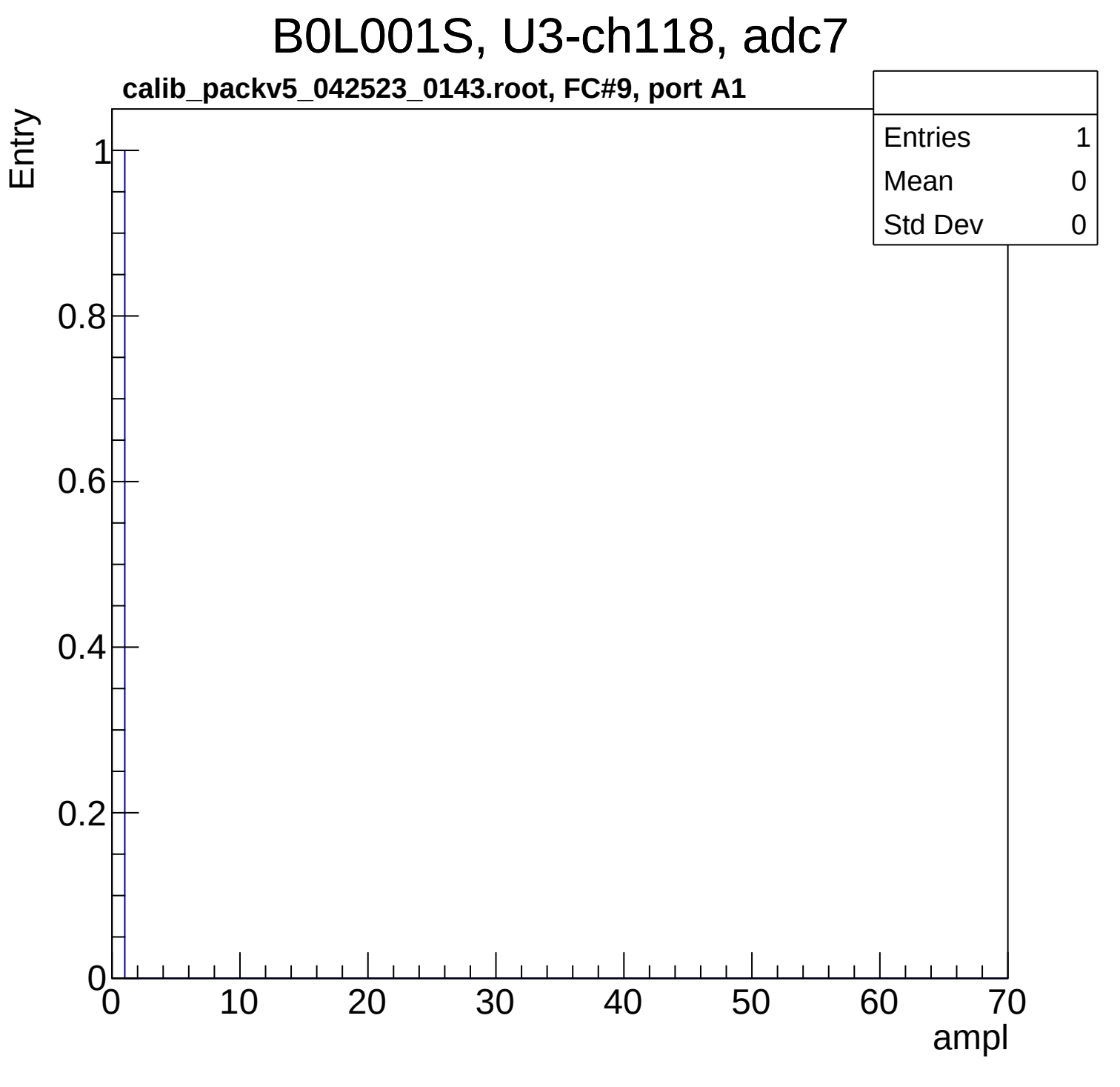
B0L001S, U3-ch118, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 1
Mean 0
Std Dev 0
Entry
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0.8
0.6
0.4
0.2
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10
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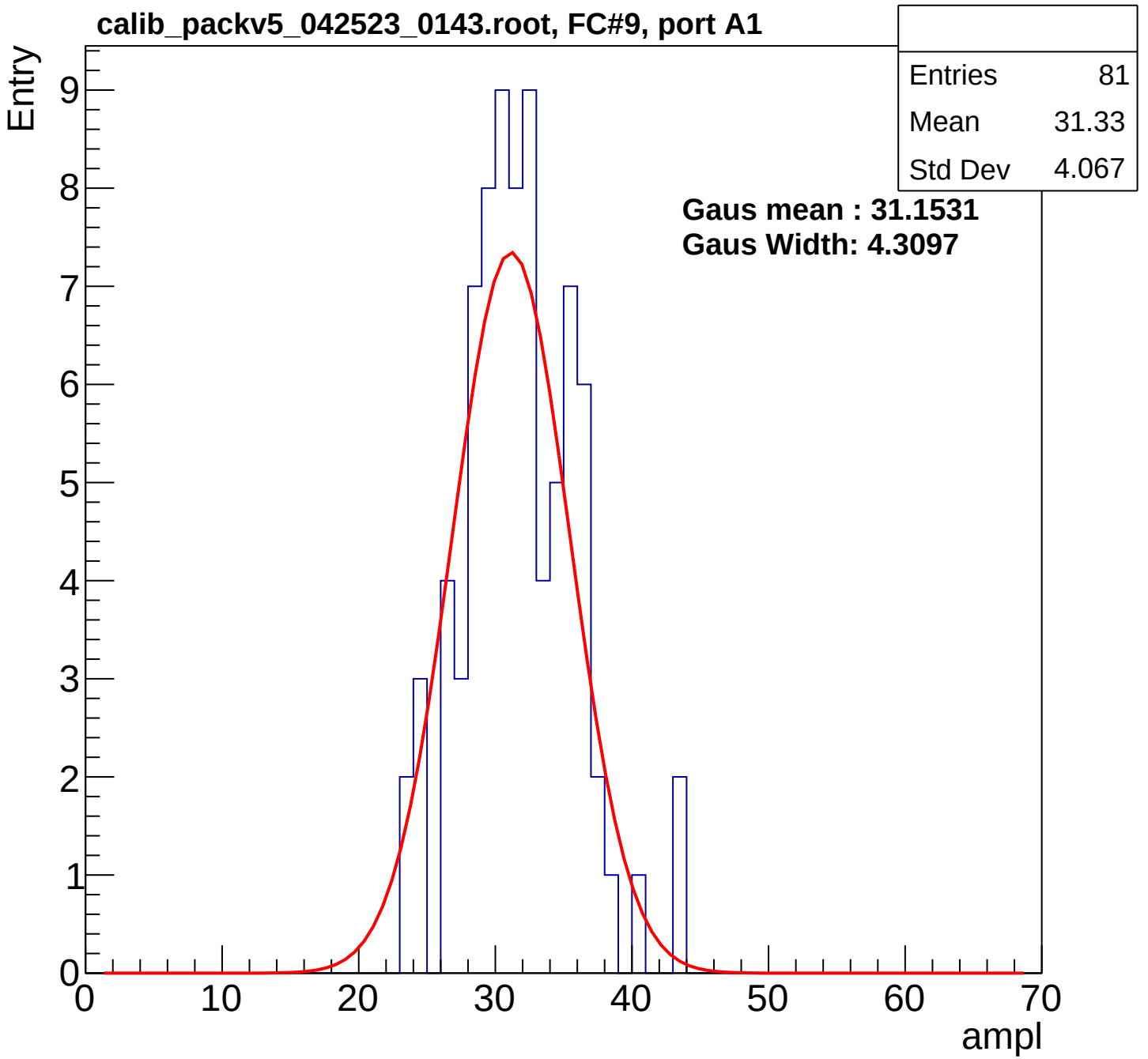
50
60
70
ampl


B0L001S, U3-ch119, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 81
Mean 31.33
Std Dev 4.067
Gaus mean : 31.1531
Gaus Width: 4.3097
Entry
ampl
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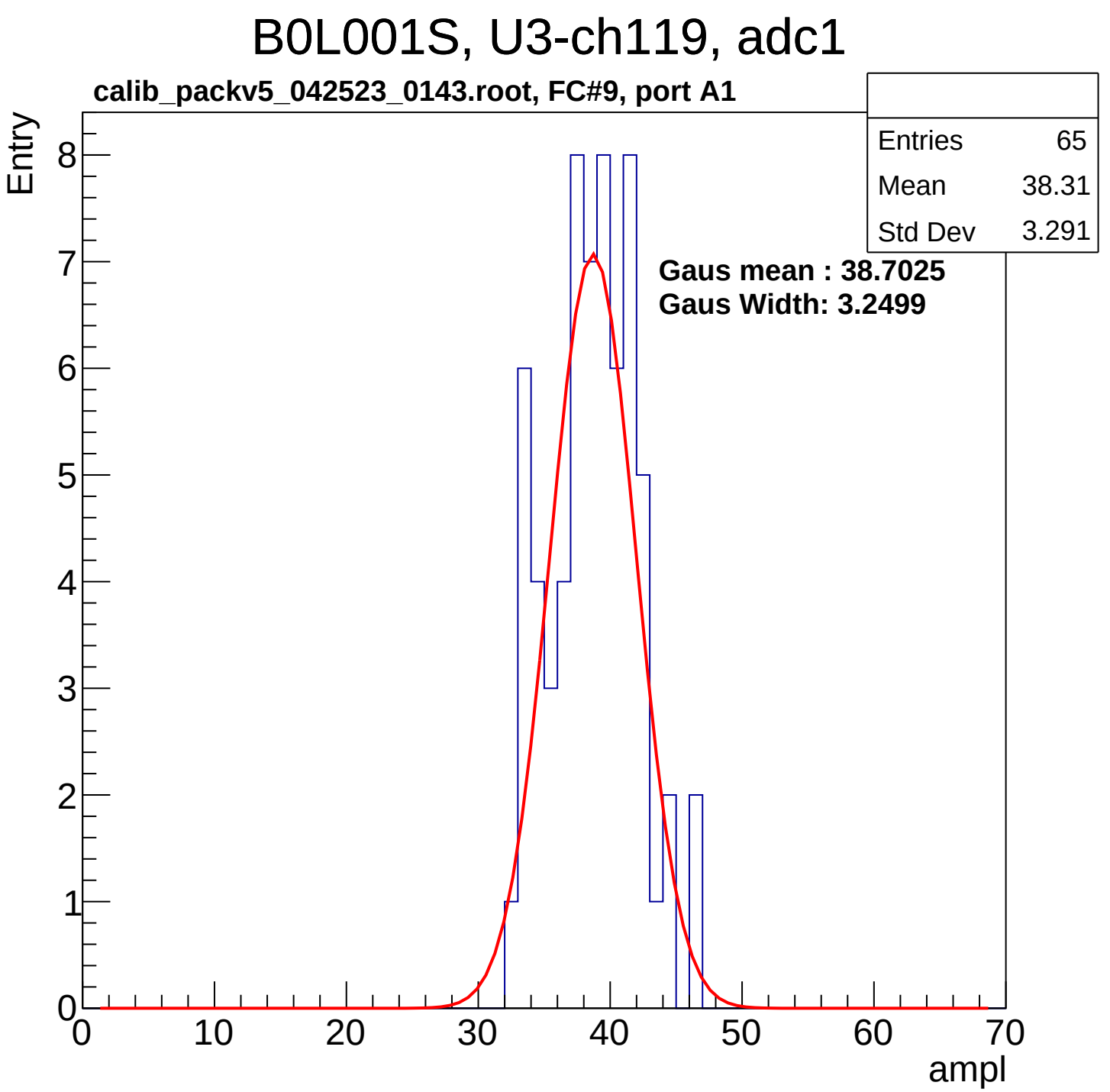
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch119, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 38.31
Std Dev 3.291
Gaus mean : 38.7025
Gaus Width: 3.2499
Entry
ampl
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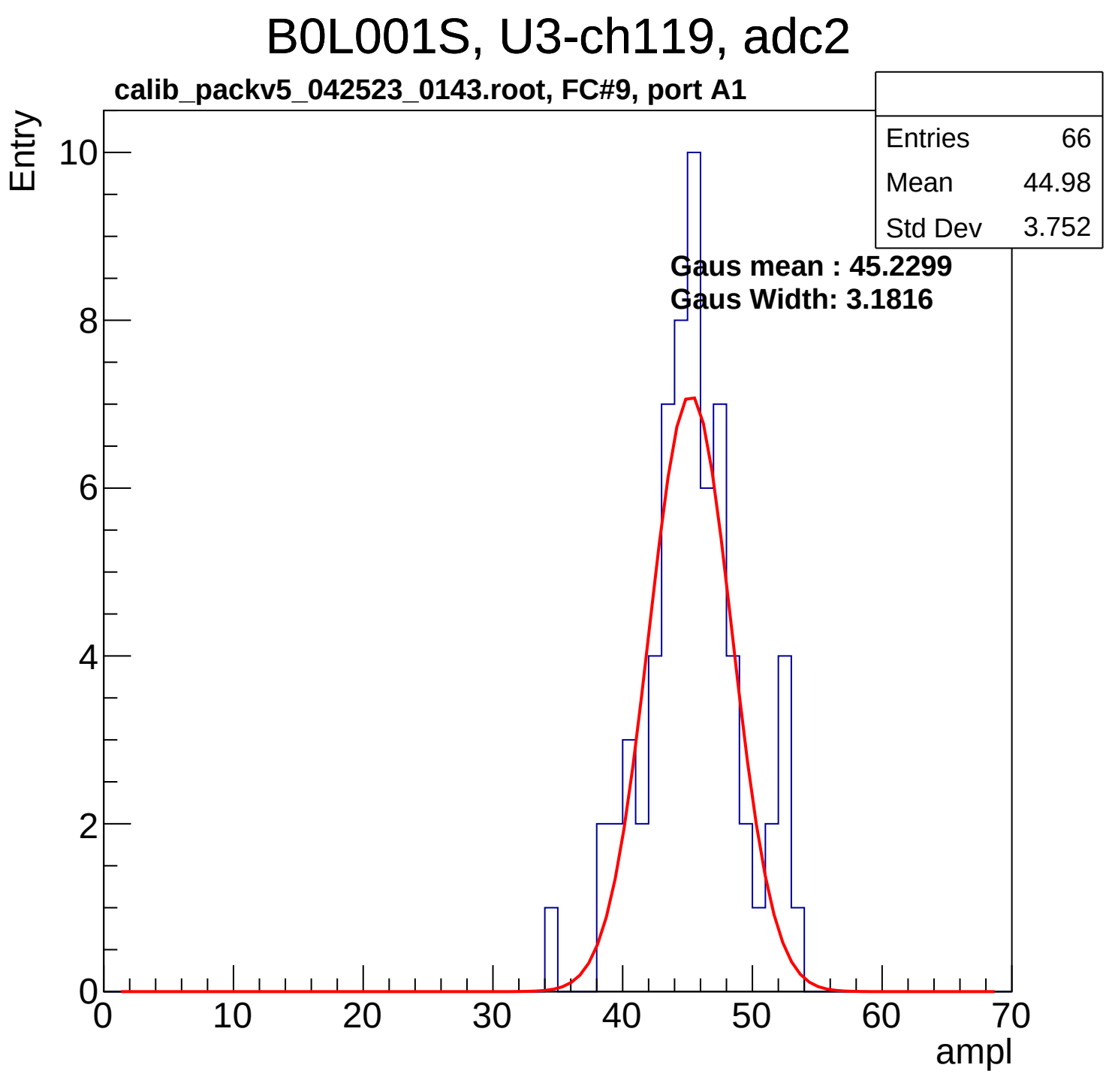
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch119, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 66
Mean 44.98
Std Dev 3.752
Gaus mean : 45.2299
Gaus Width: 3.1816
Entry
ampl
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2
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6
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0
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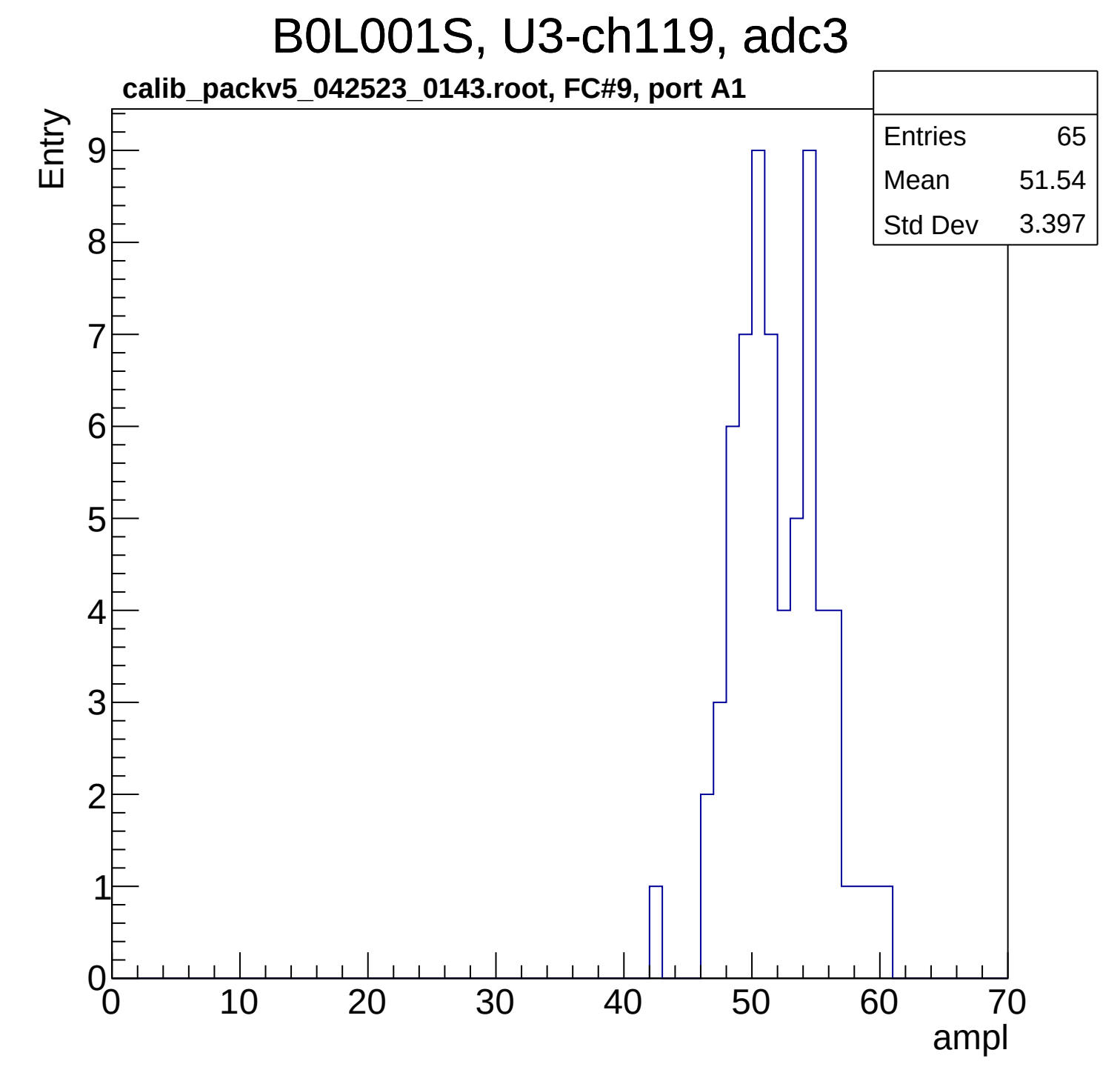
B0L001S, U3-ch119, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 51.54
Std Dev 3.397
Entry
ampl
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3
4
5
6
7
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9
0
10
20
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40
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60
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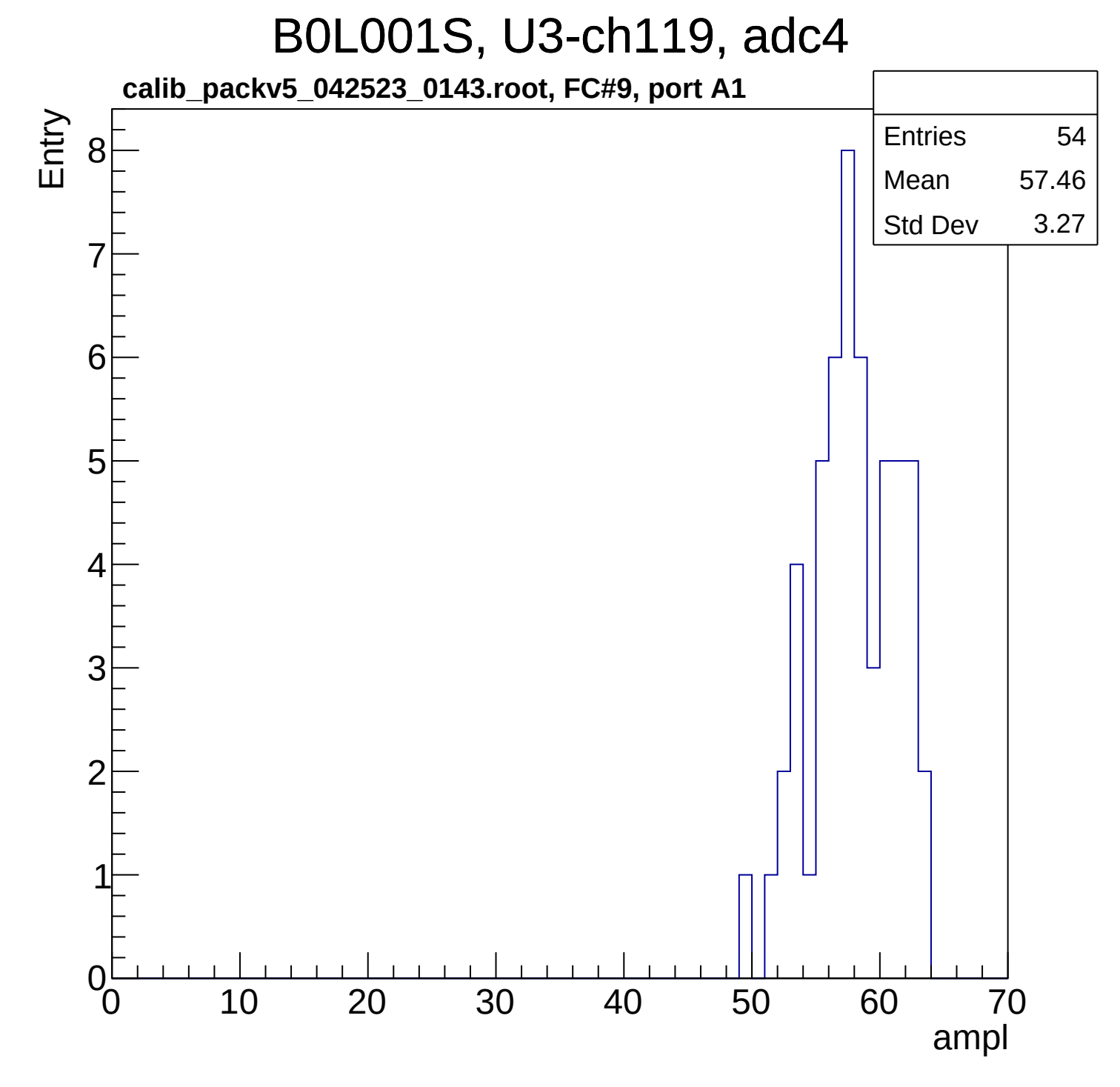
B0L001S, U3-ch119, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 57.46
Std Dev 3.27
Entry
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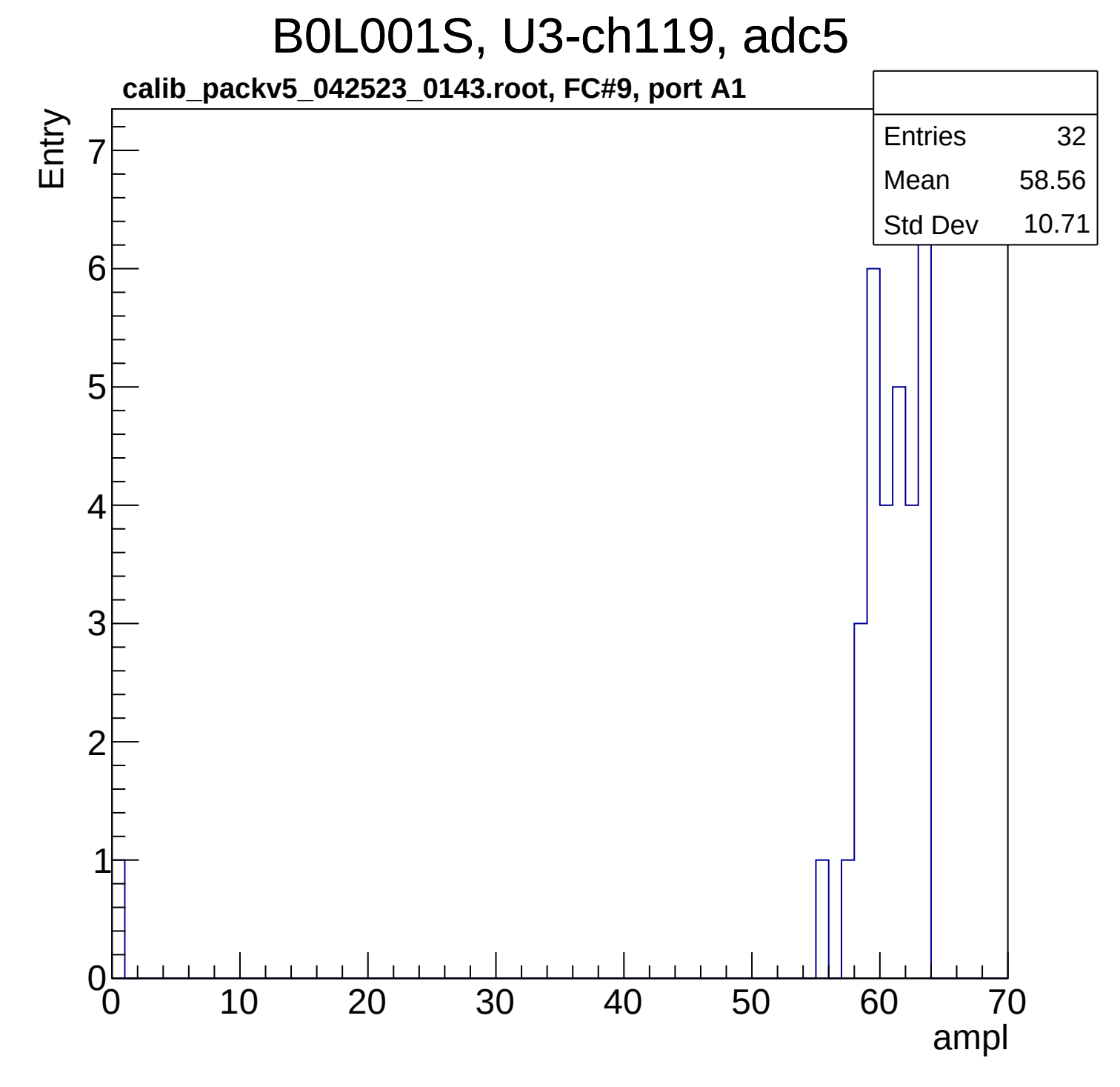
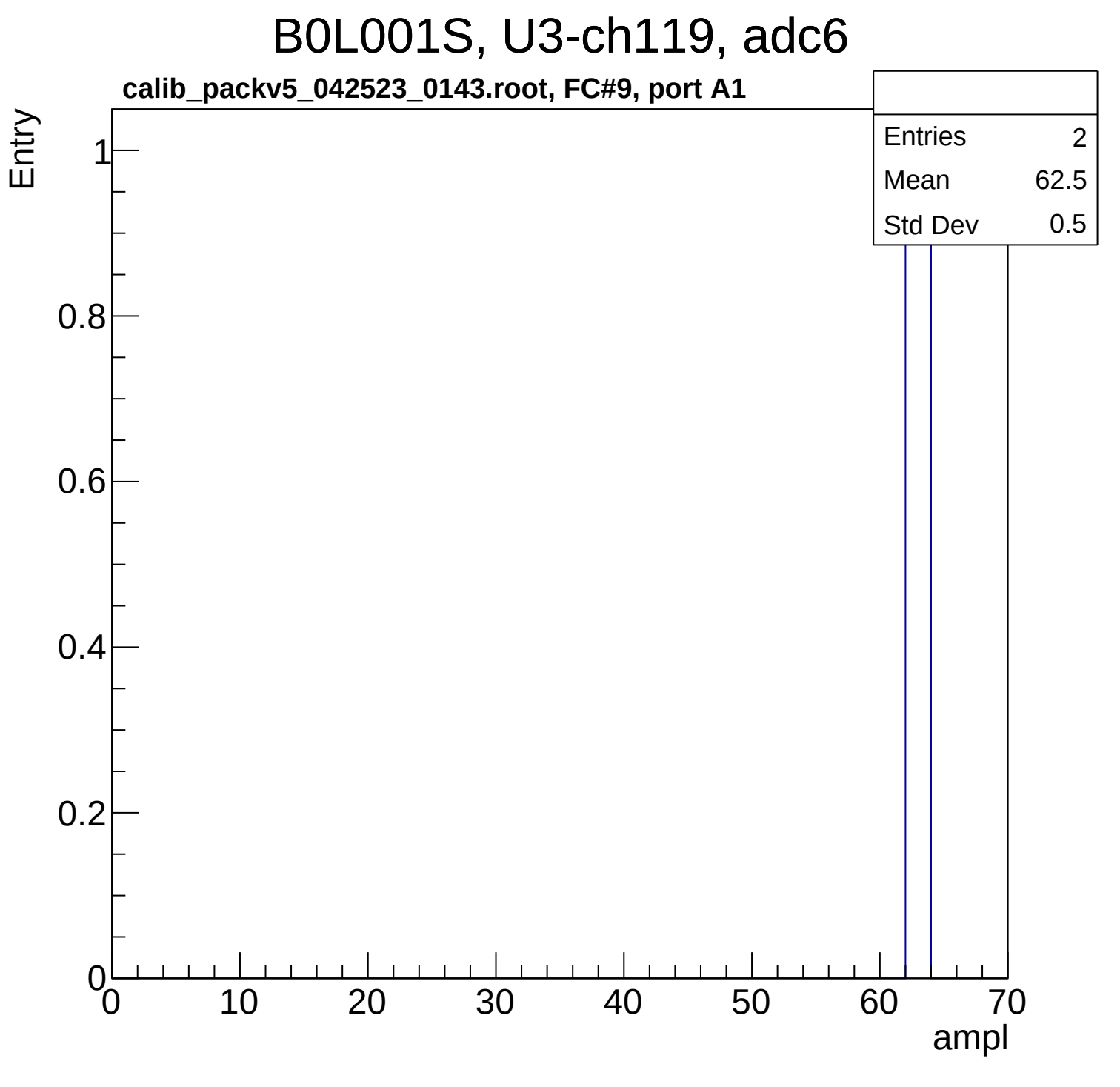
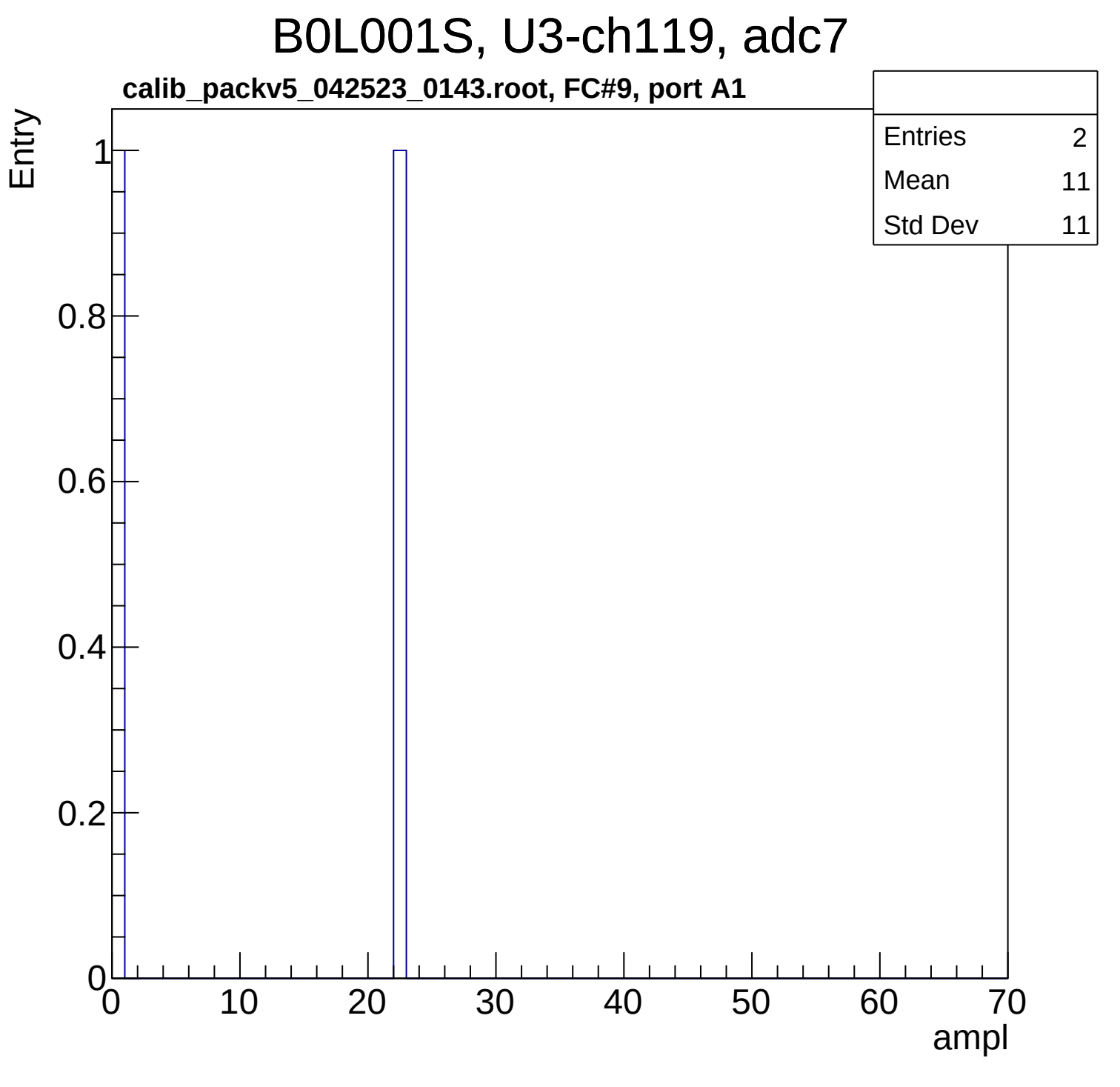
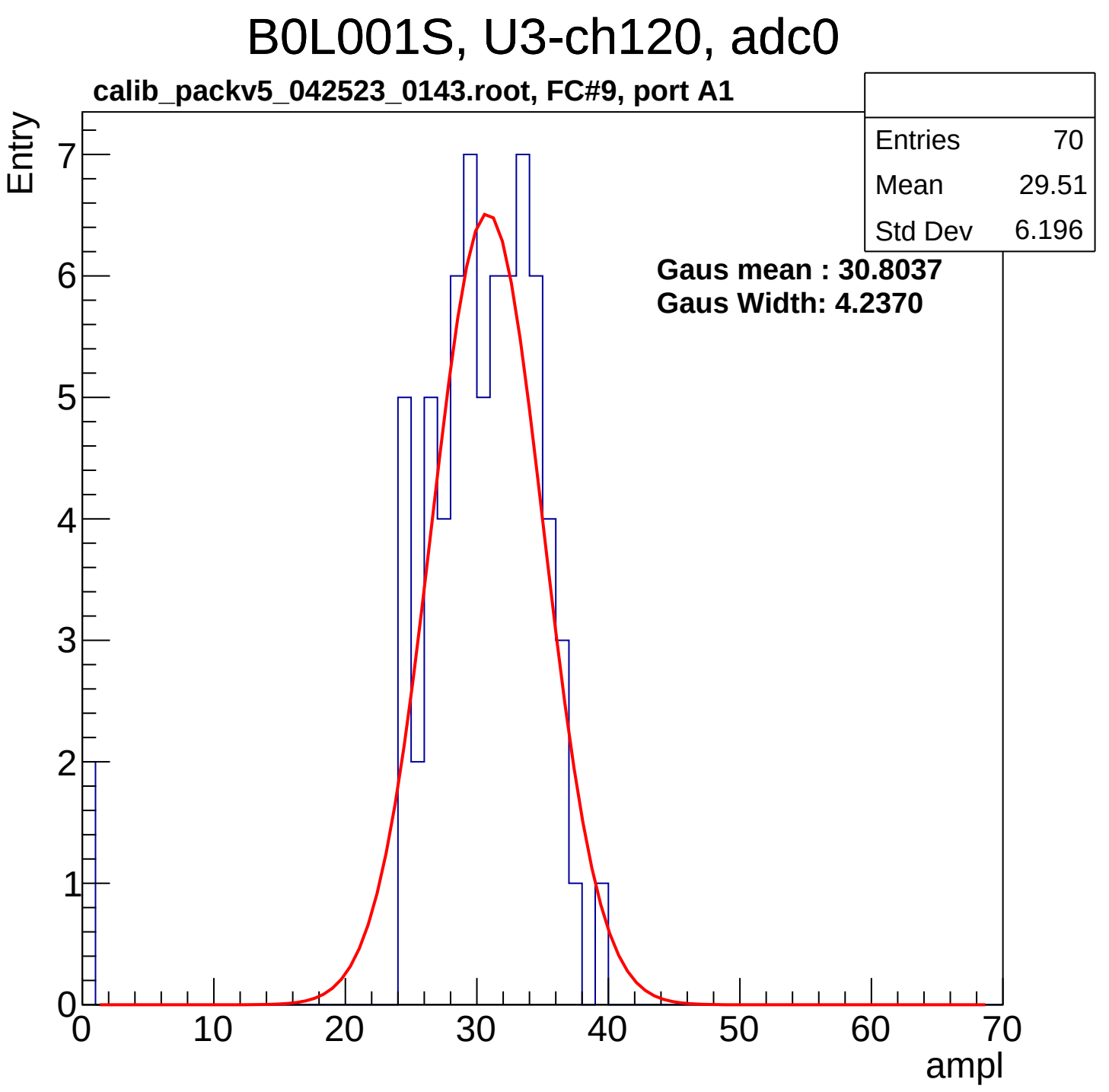
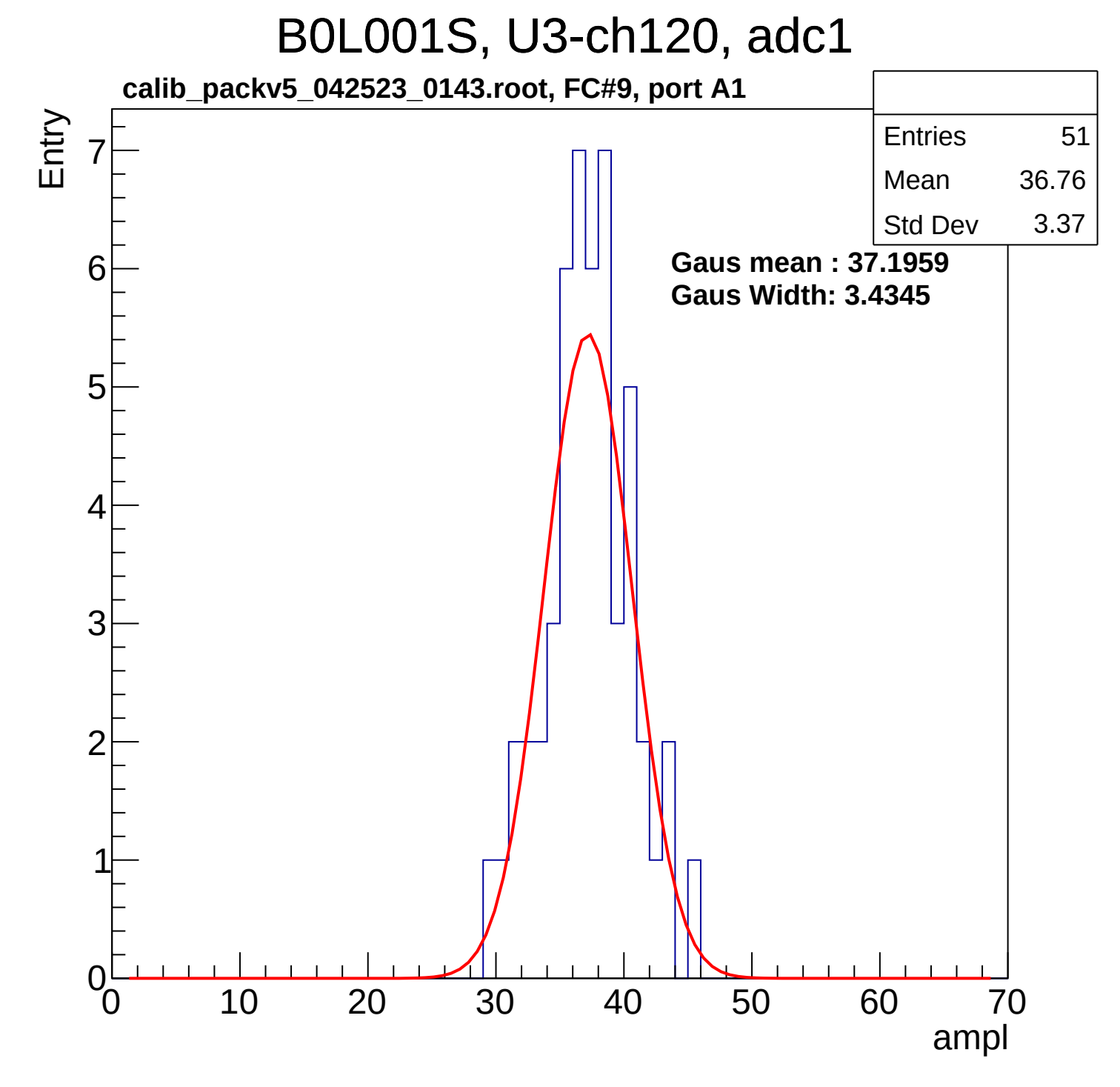
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl

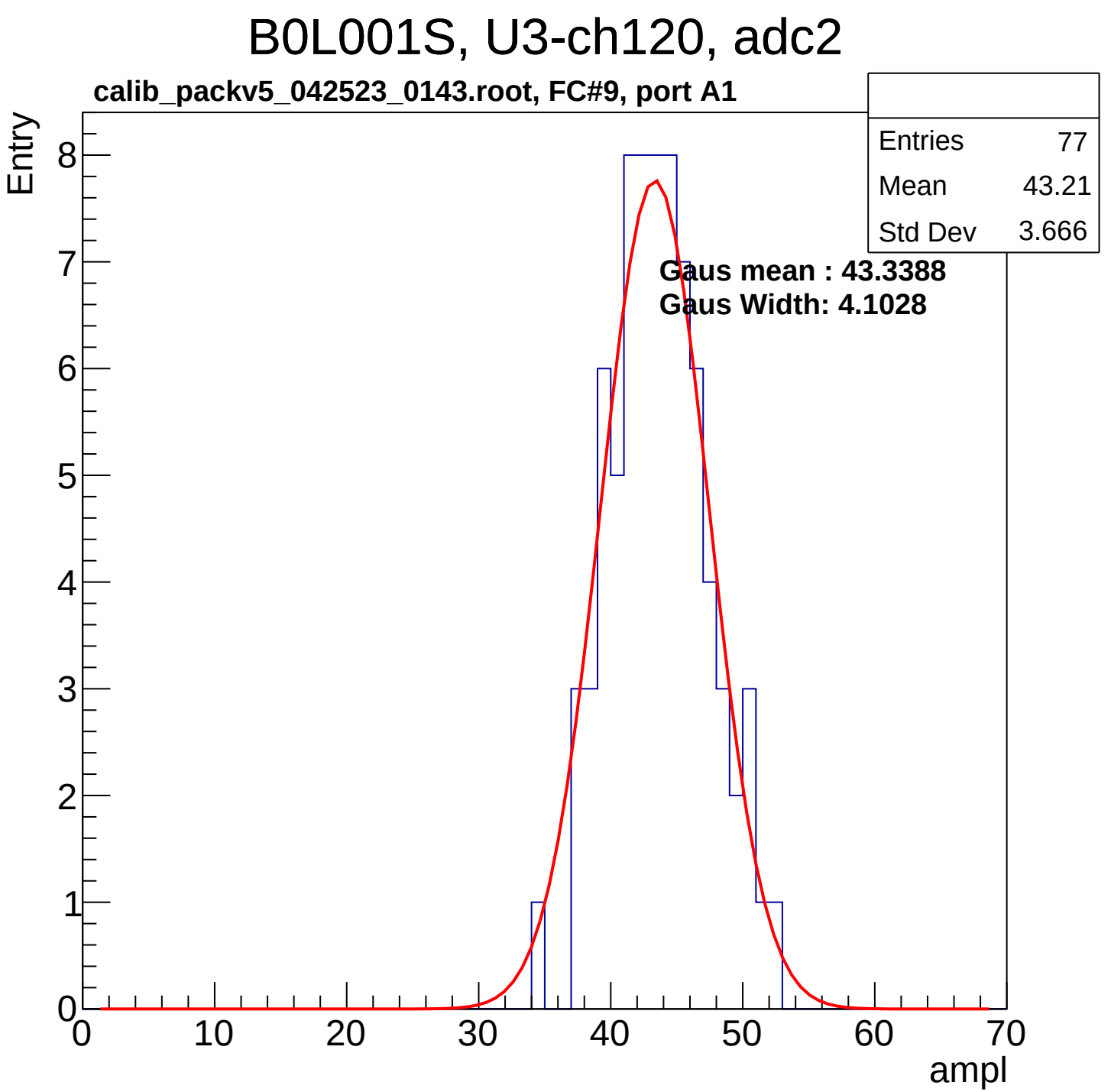

B0L001S, U3-ch119, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 58.56
Std Dev 10.71
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch119, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch119, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch120, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 29.51
Std Dev 6.196
Gaus mean : 30.8037
Gaus Width: 4.2370
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch120, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 51
Mean 36.76
Std Dev 3.37
Gaus mean : 37.1959
Gaus Width: 3.4345
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch120, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 43.21
Std Dev 3.666
Gaus mean : 43.3388
Gaus Width: 4.1028
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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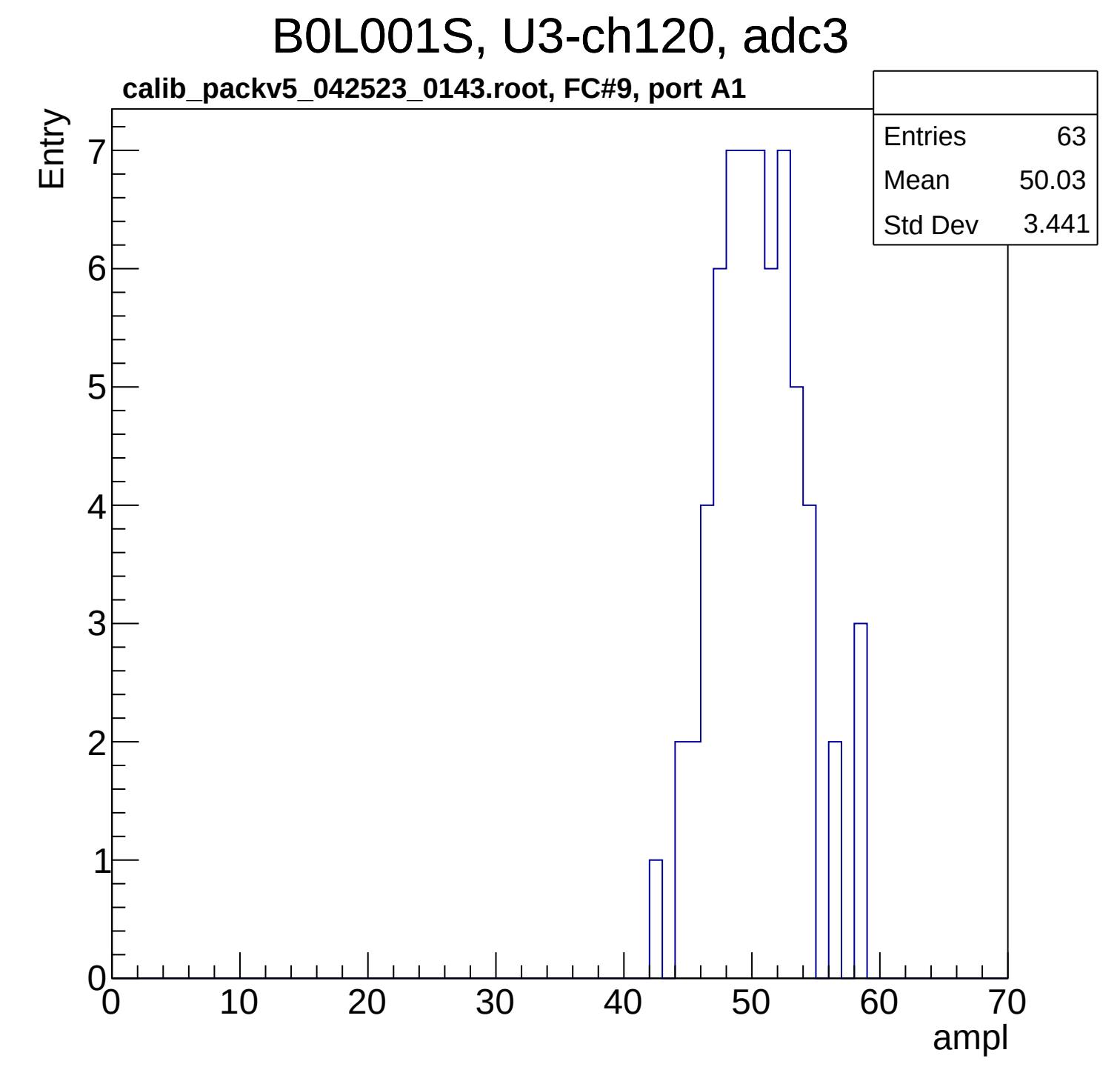
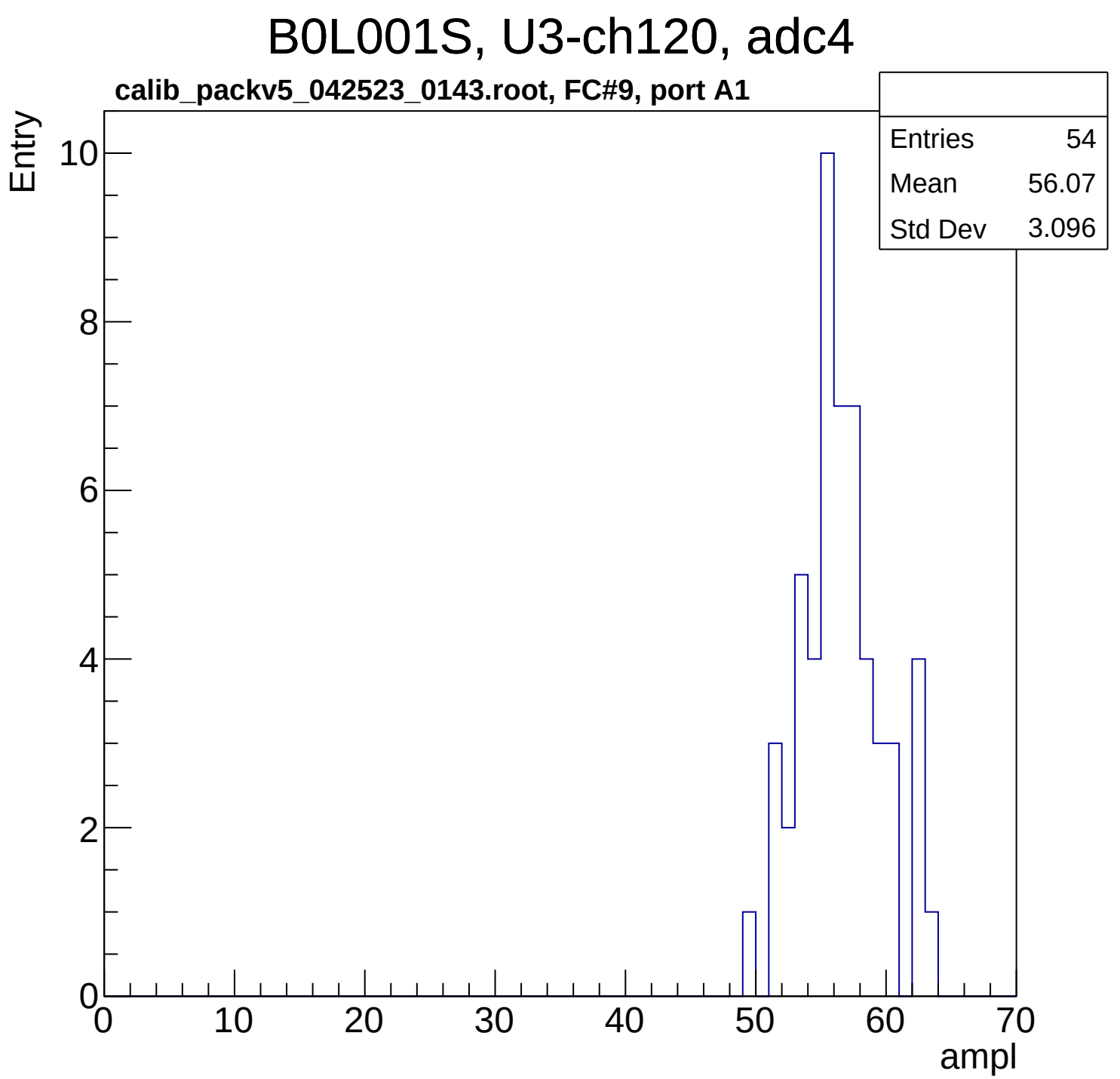

B0L001S, U3-ch120, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 50.03
Std Dev 3.441
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch120, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 54
Mean 56.07
Std Dev 3.096
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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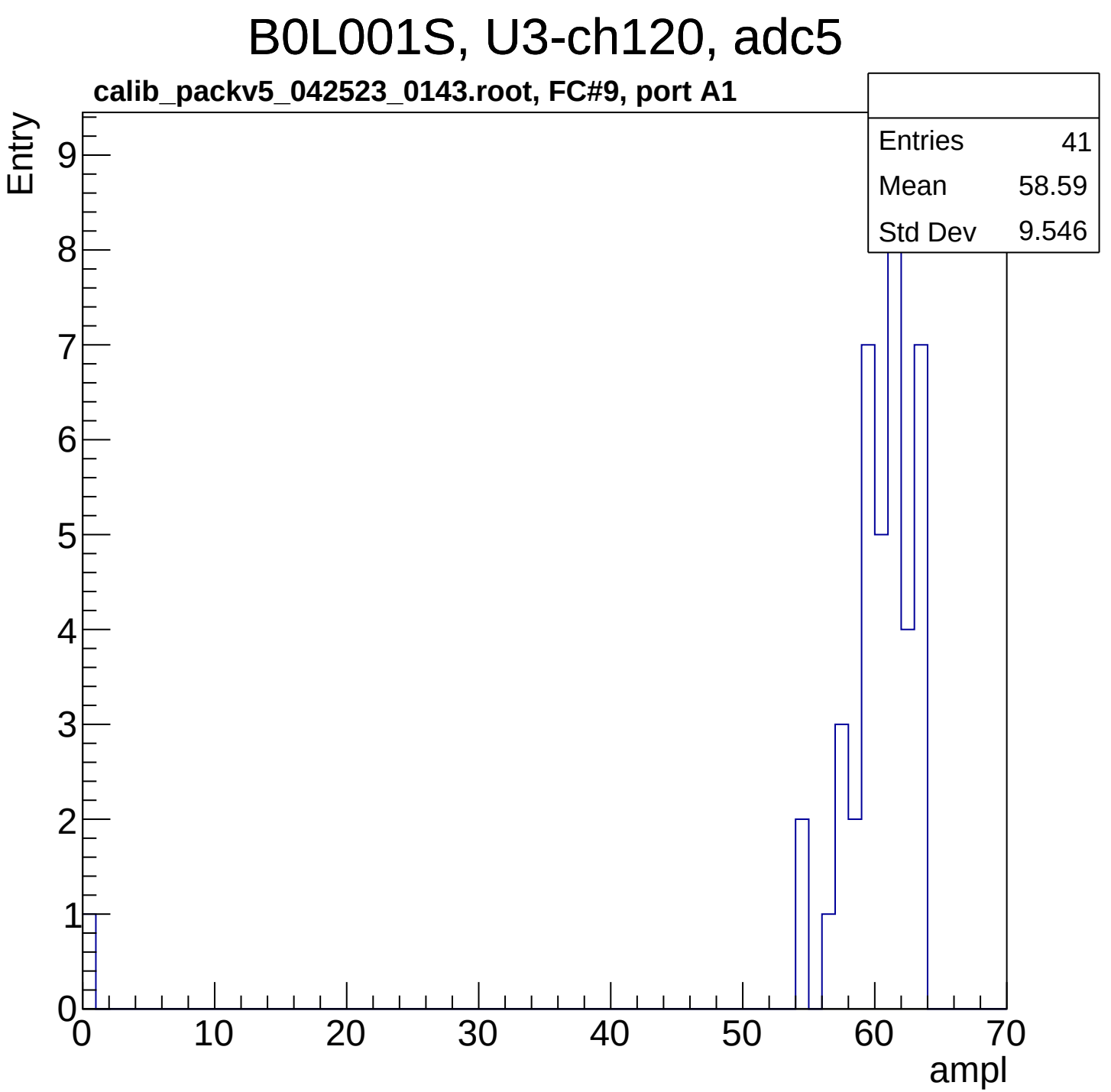
B0L001S, U3-ch120, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 58.59
Std Dev 9.546
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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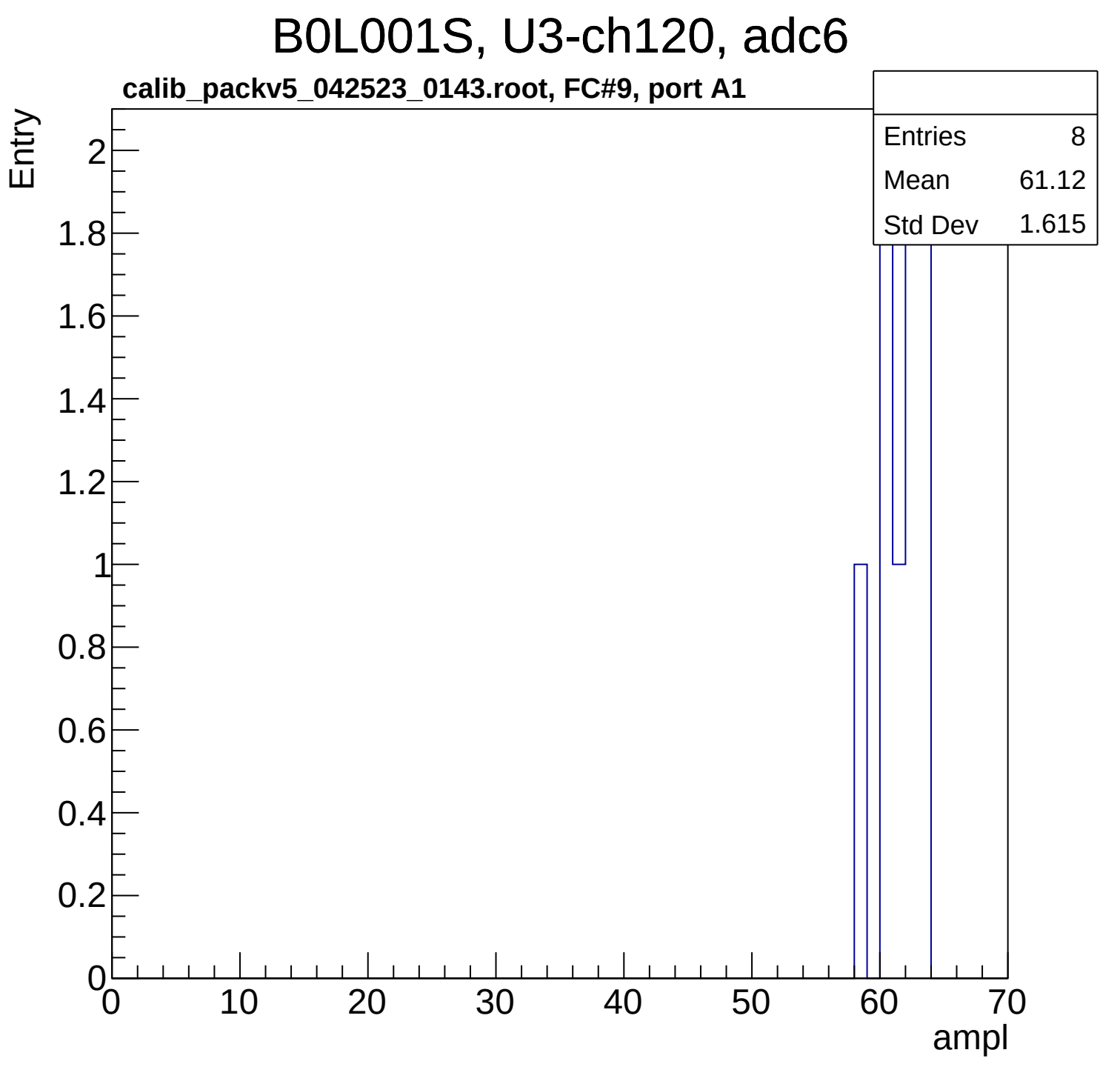
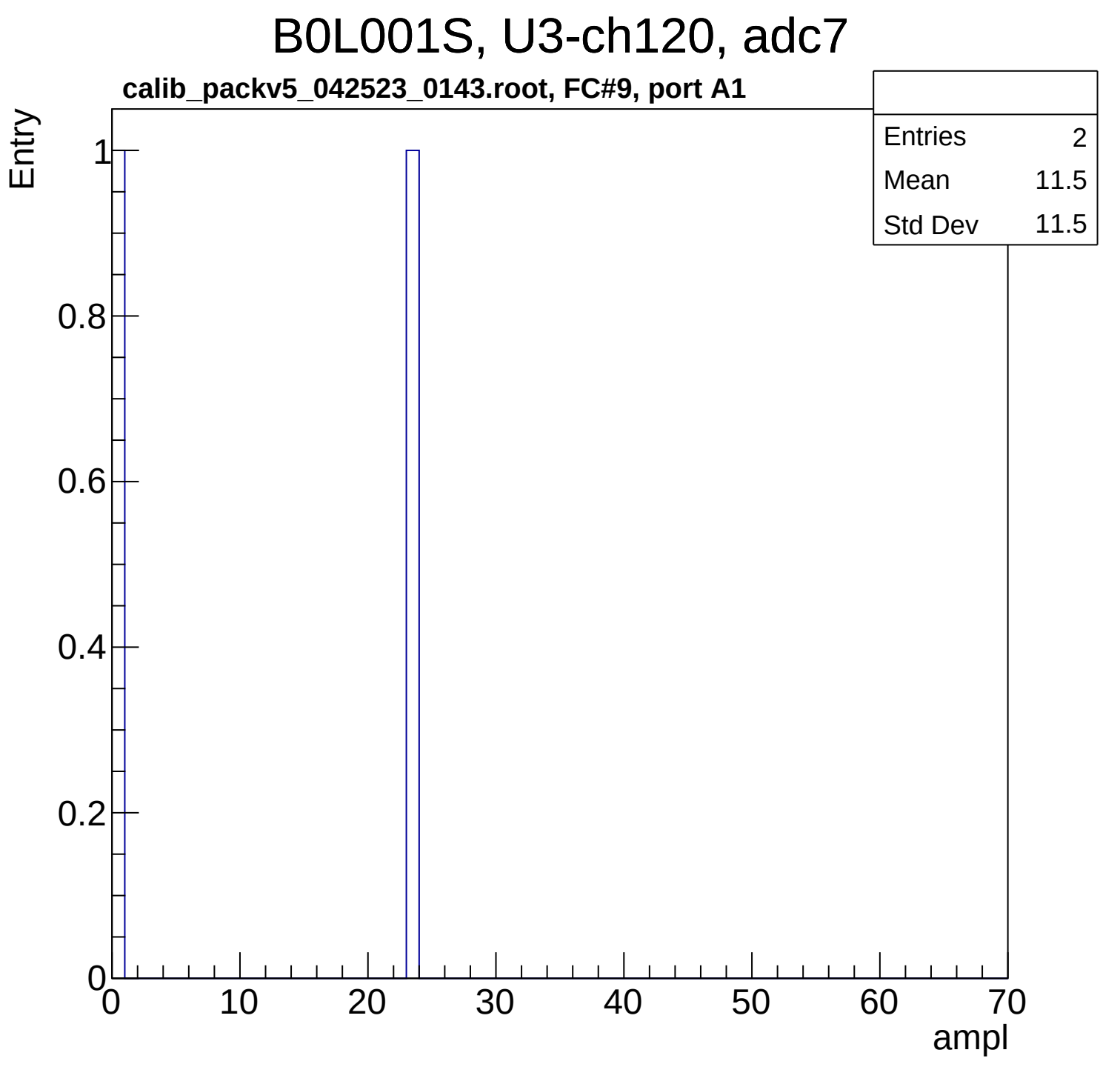

B0L001S, U3-ch120, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 61.12
Std Dev 1.615
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch120, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 2
Mean 11.5
Std Dev 11.5
Entry
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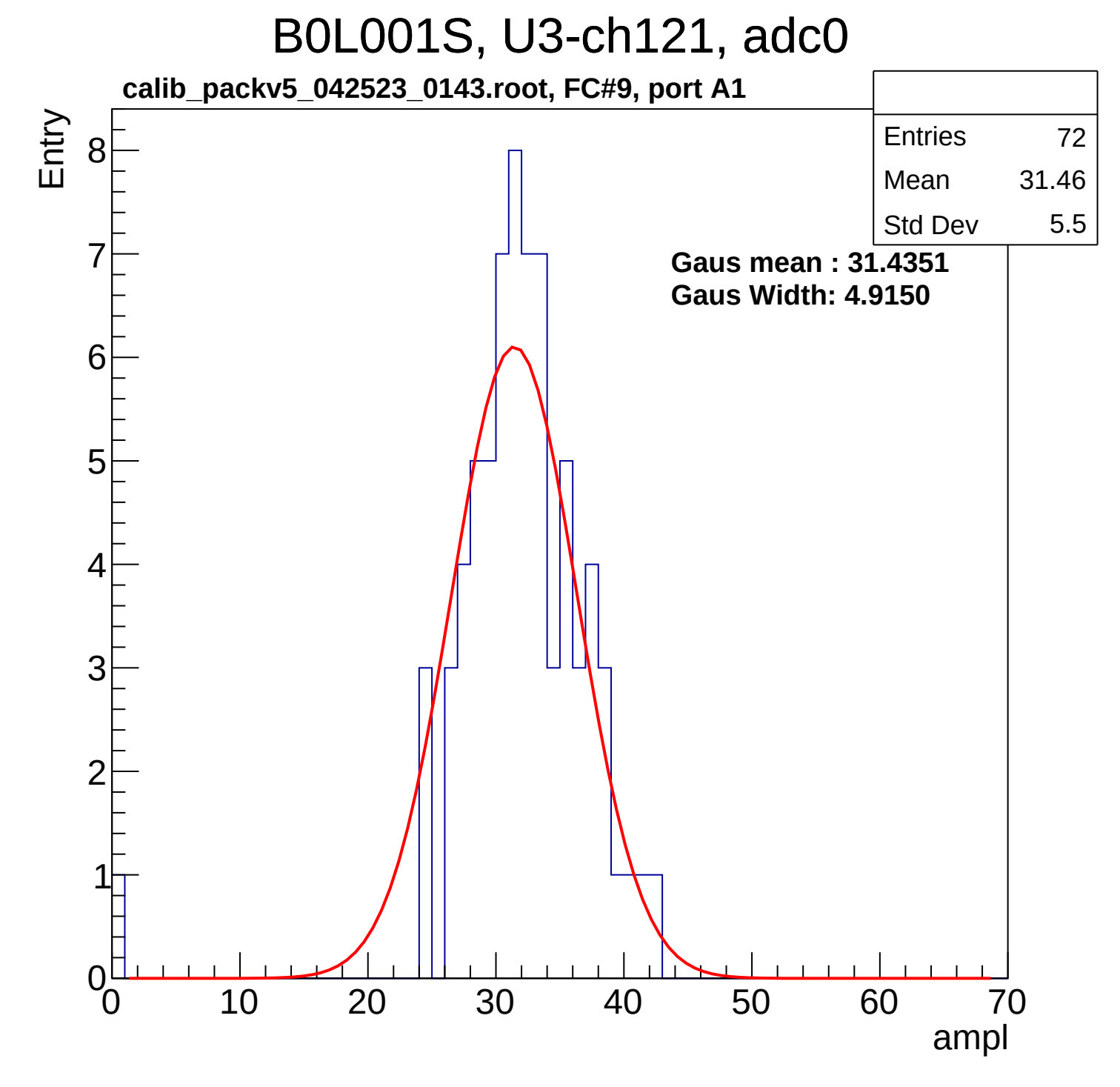
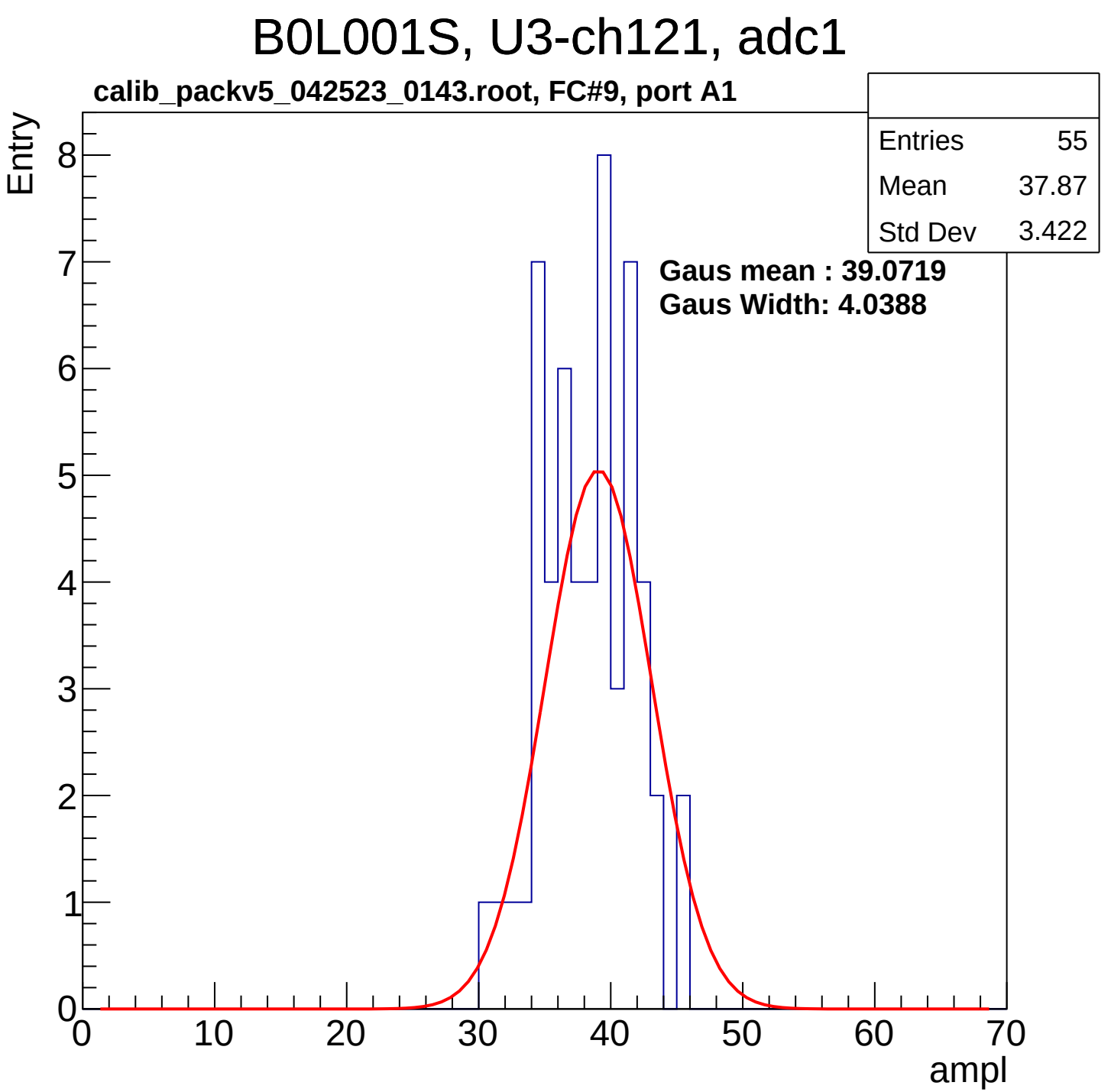
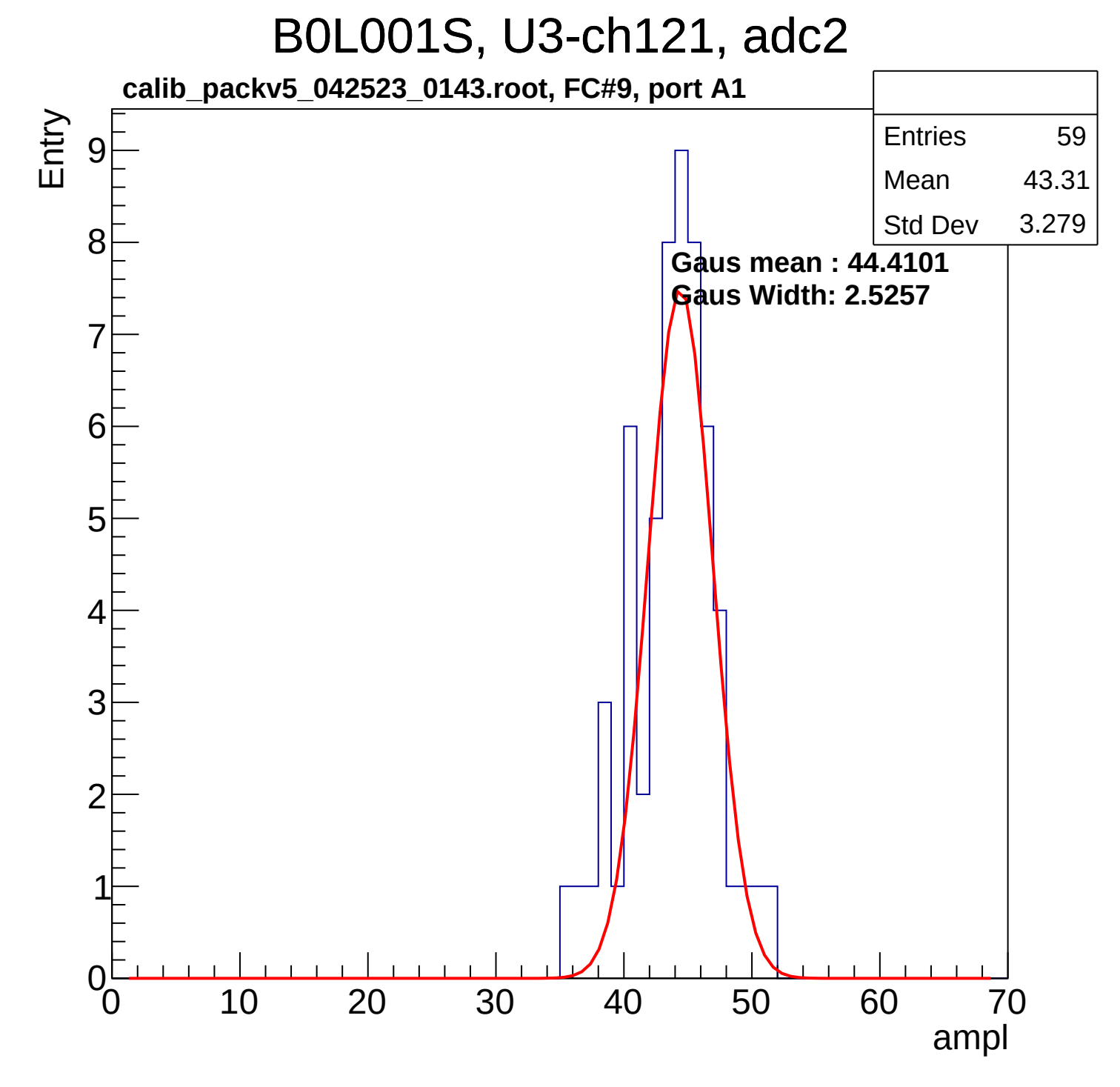
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch121, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 31.46
Std Dev 5.5
Gaus mean : 31.4351
Gaus Width: 4.9150
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch121, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 55
Mean 37.87
Std Dev 3.422
Gaus mean : 39.0719
Gaus Width: 4.0388
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch121, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 43.31
Std Dev 3.279
Gaus mean : 44.4101
Gaus Width: 2.5257
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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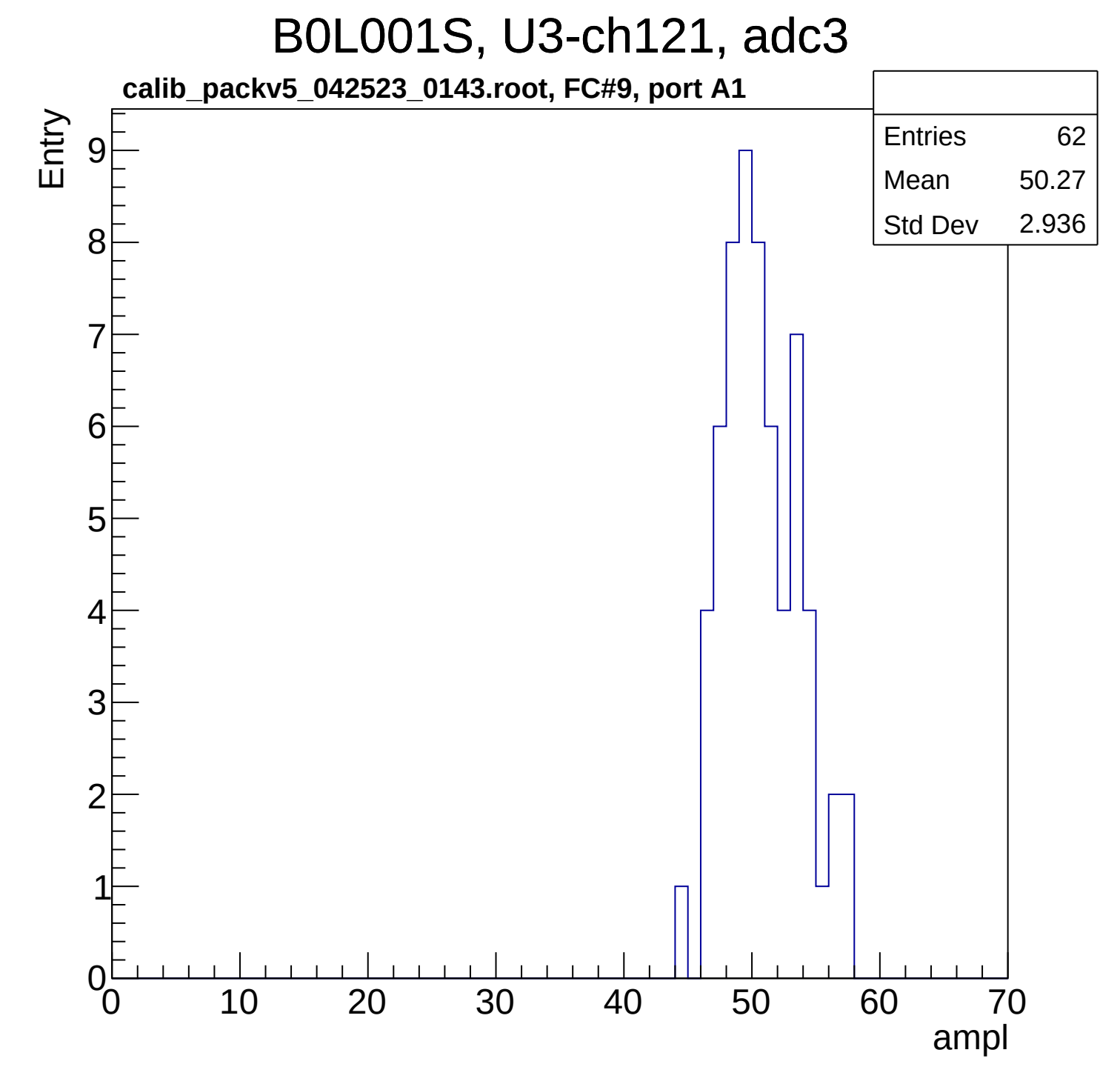
B0L001S, U3-ch121, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 50.27
Std Dev 2.936
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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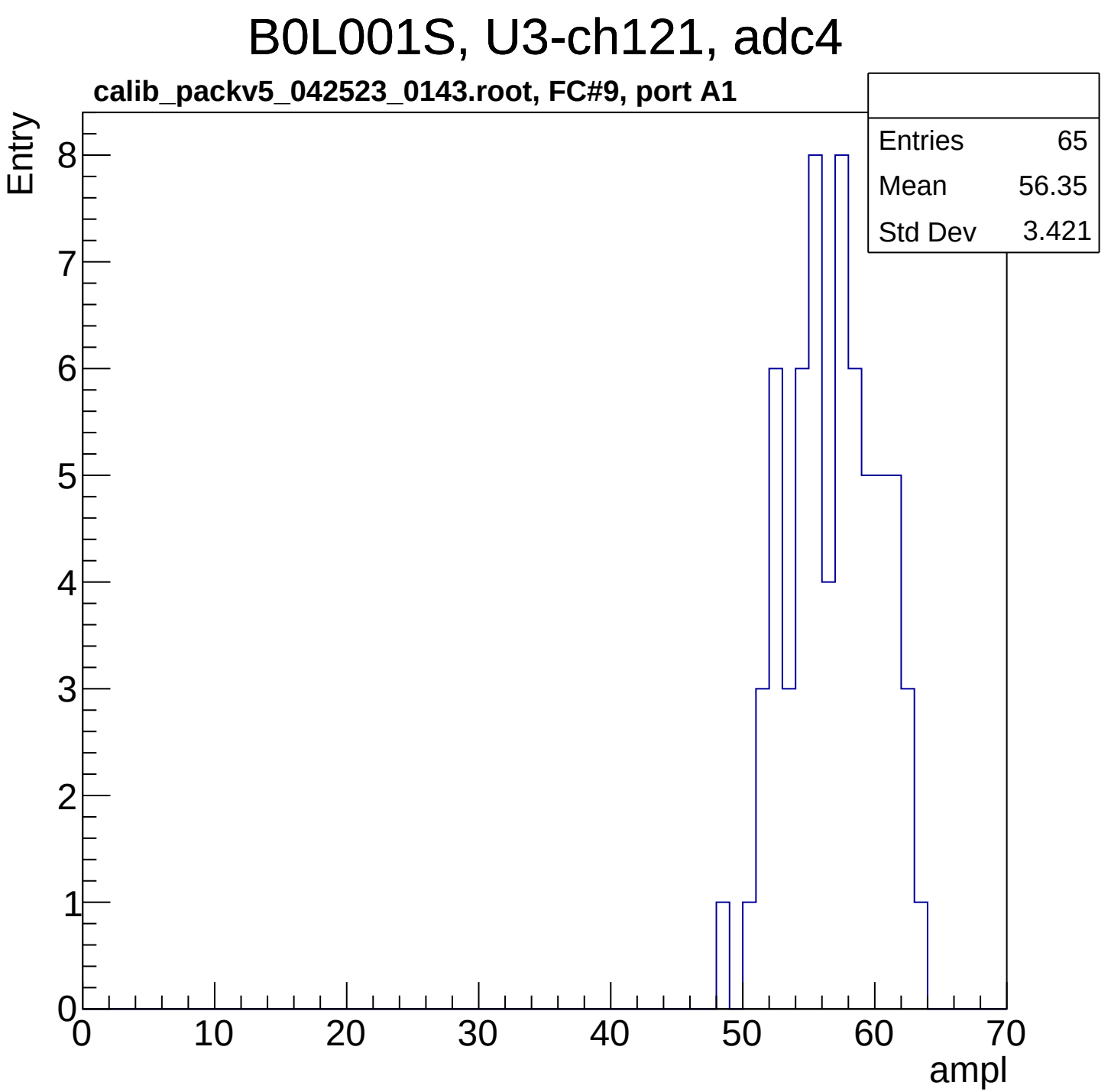
B0L001S, U3-ch121, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 65
Mean 56.35
Std Dev 3.421
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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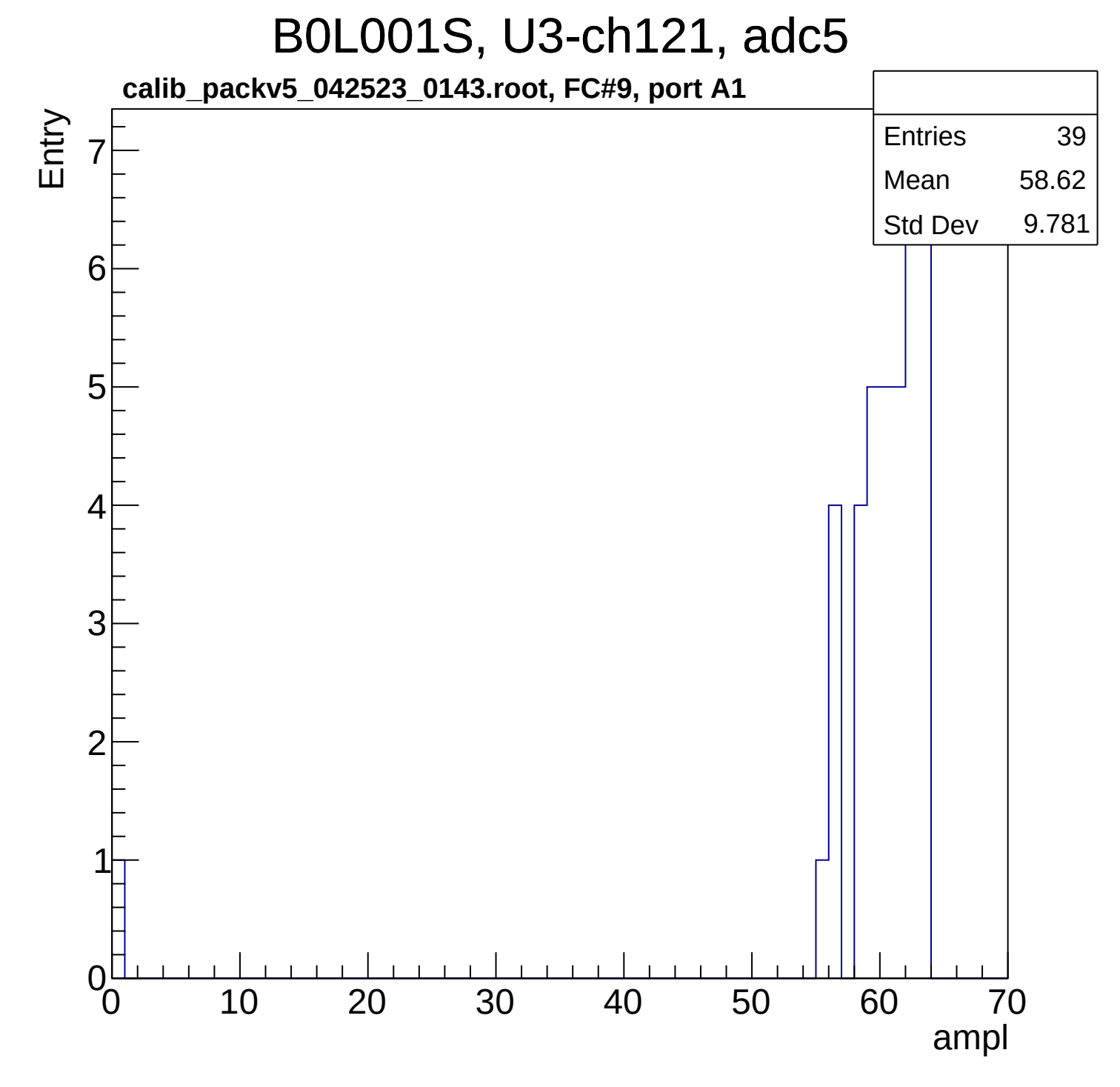
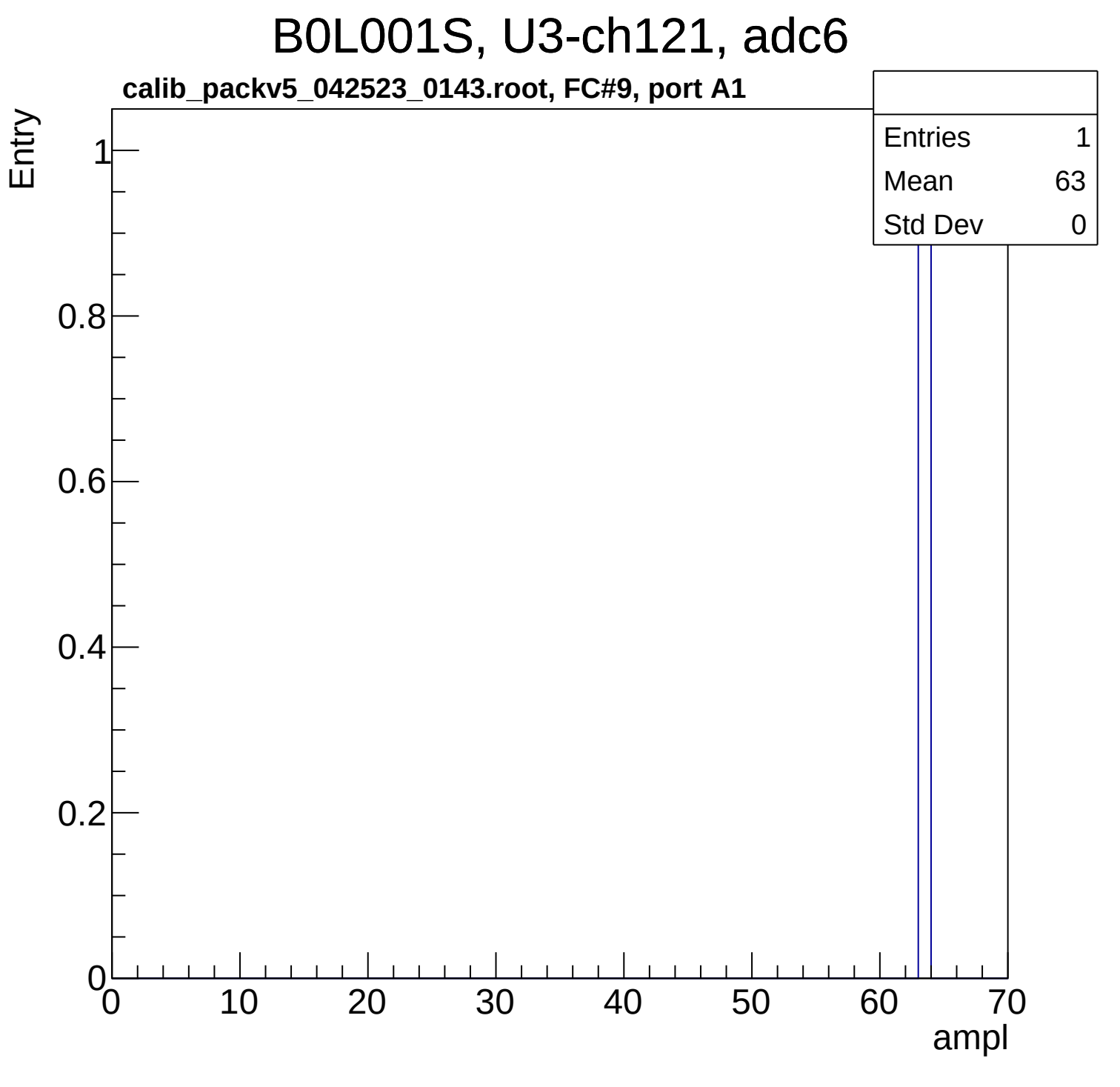
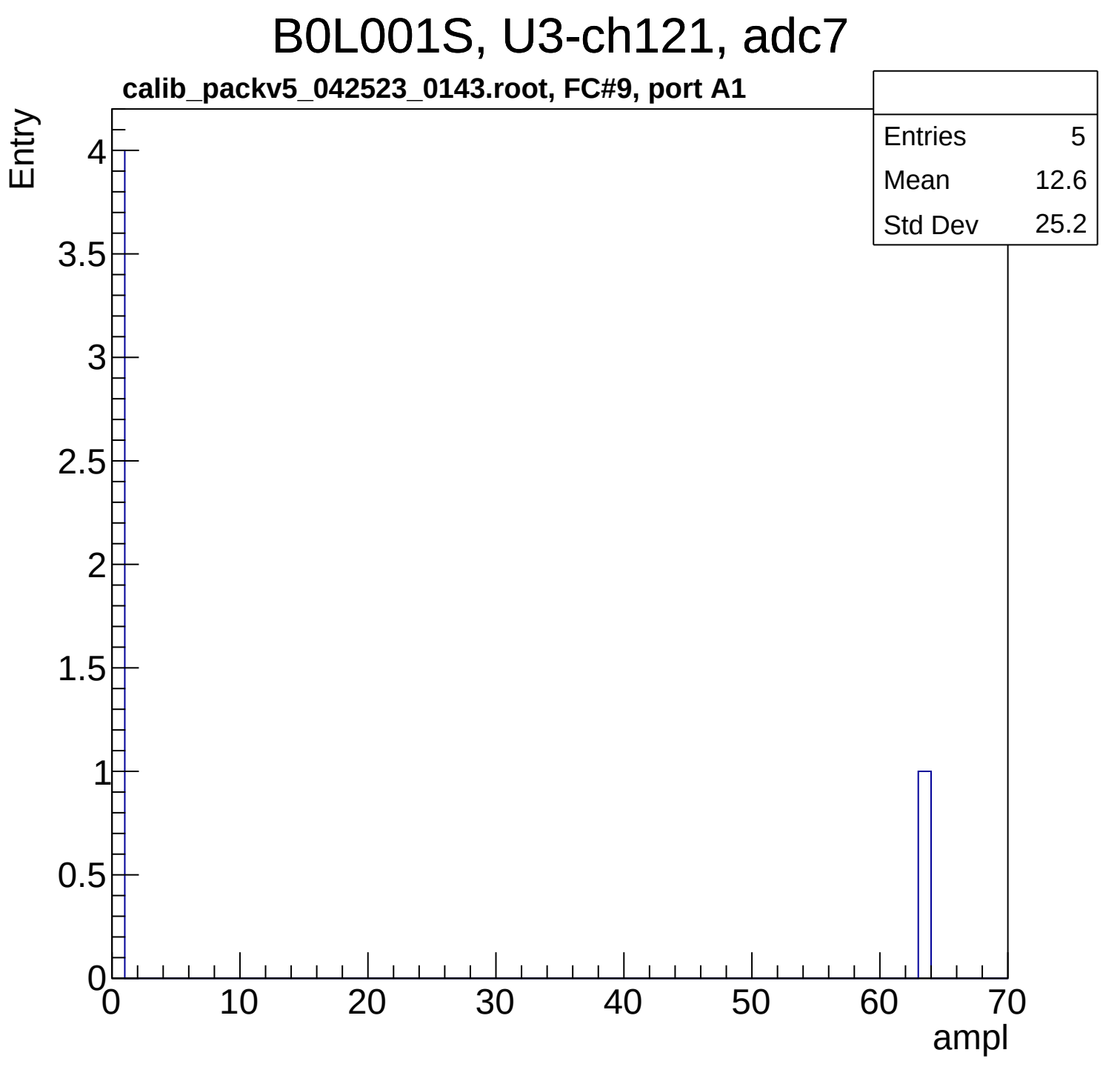
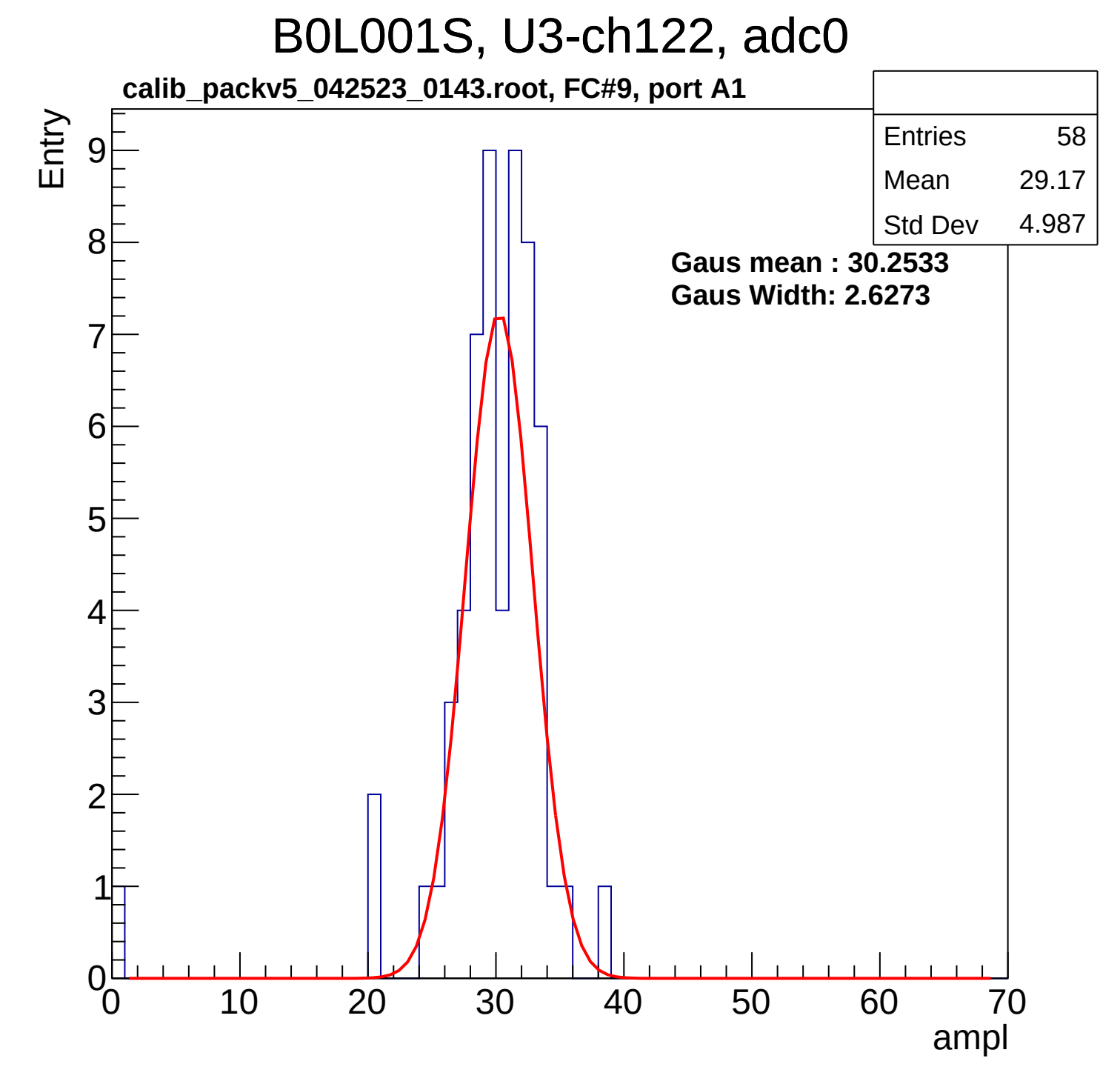

B0L001S, U3-ch121, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 39
Mean 58.62
Std Dev 9.781
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch121, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch121, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 12.6
Std Dev 25.2
Entry
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch122, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 29.17
Std Dev 4.987
Gaus mean : 30.2533
Gaus Width: 2.6273
Entry
ampl
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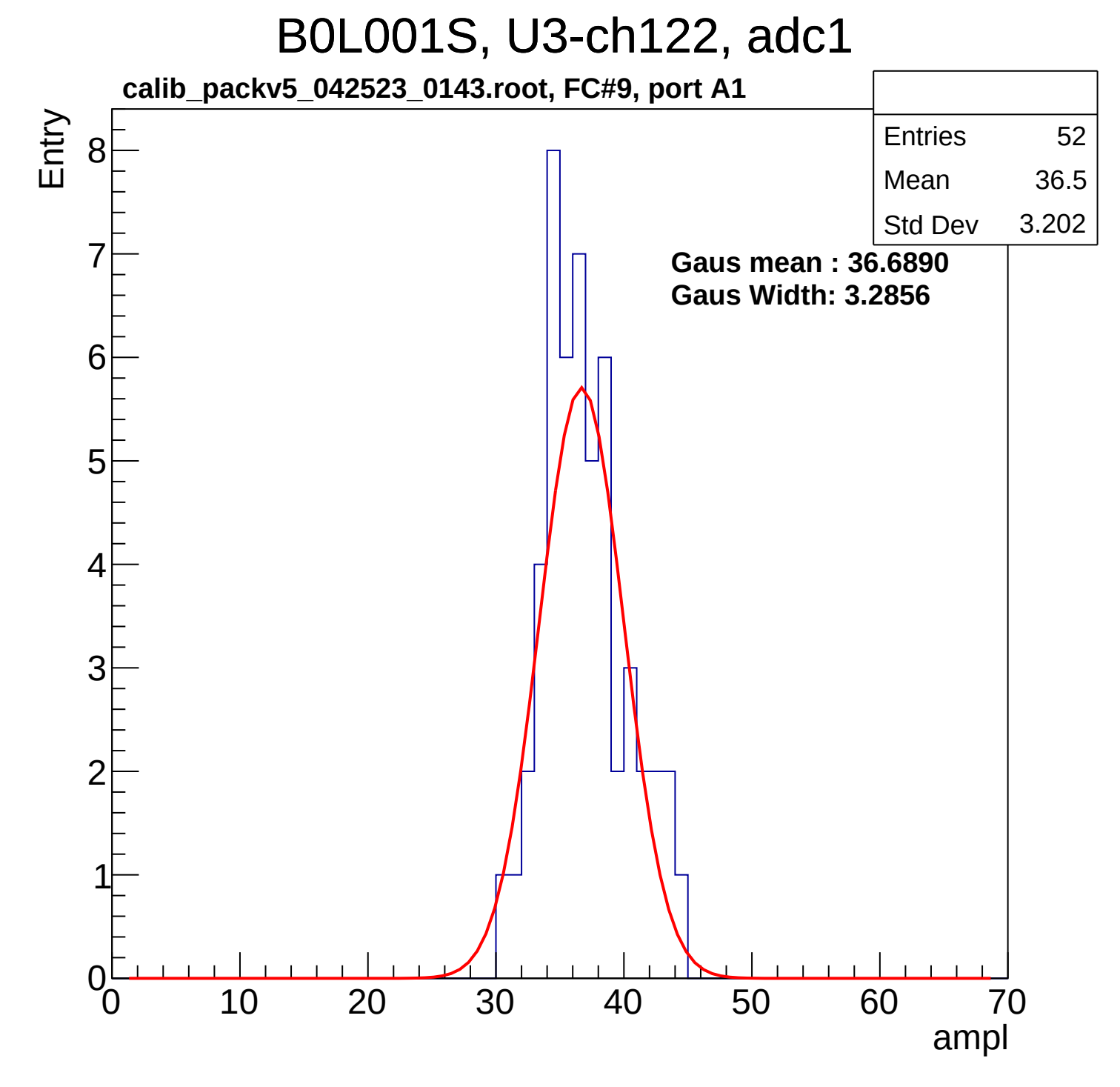
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch122, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 36.5
Std Dev 3.202
Gaus mean : 36.6890
Gaus Width: 3.2856
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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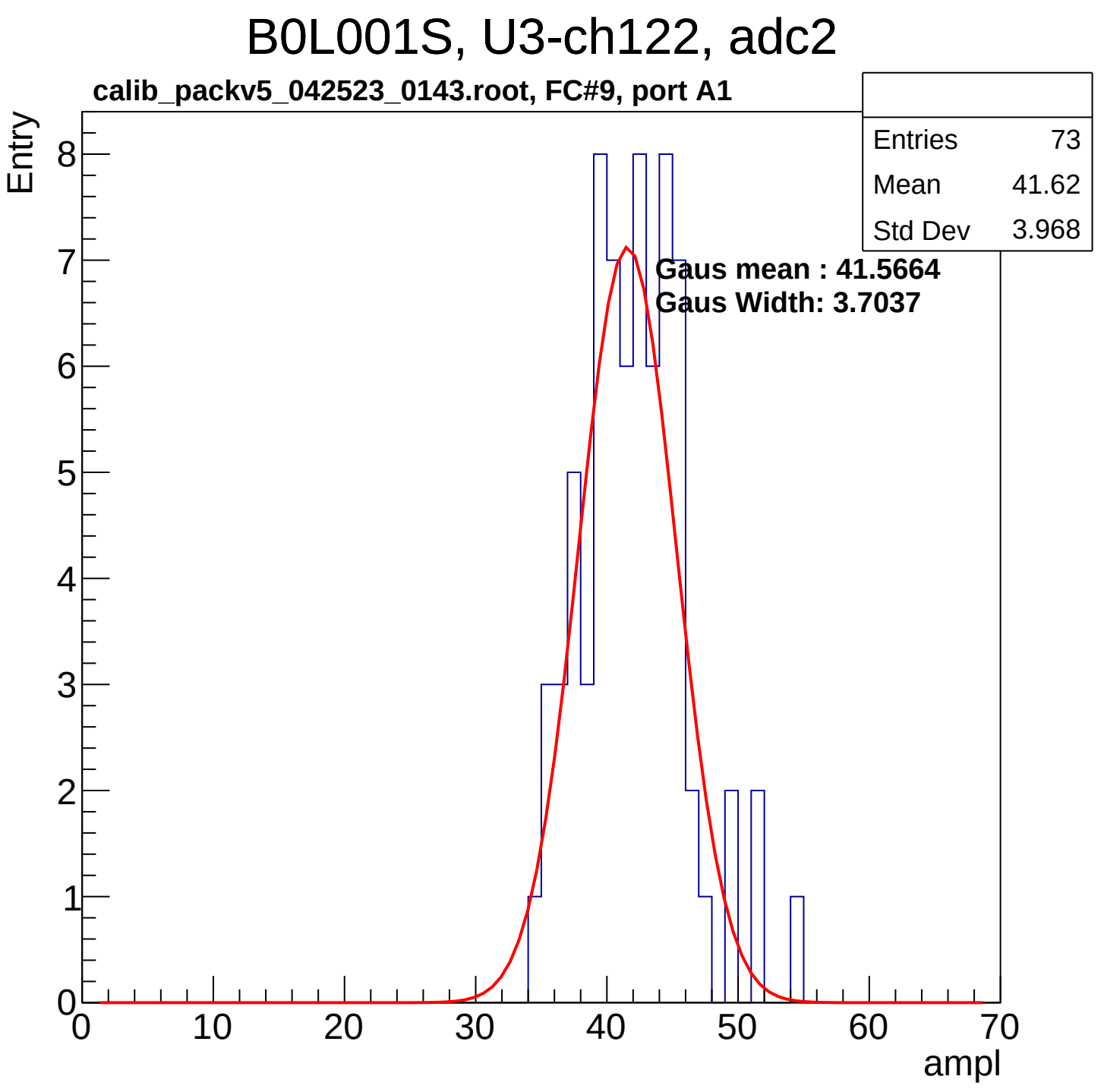
40
50
60
70


B0L001S, U3-ch122, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 73
Mean 41.62
Std Dev 3.968
Gaus mean : 41.5664
Gaus Width: 3.7037
Entry
ampl
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2
3
4
5
6
7
8
0
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40
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60
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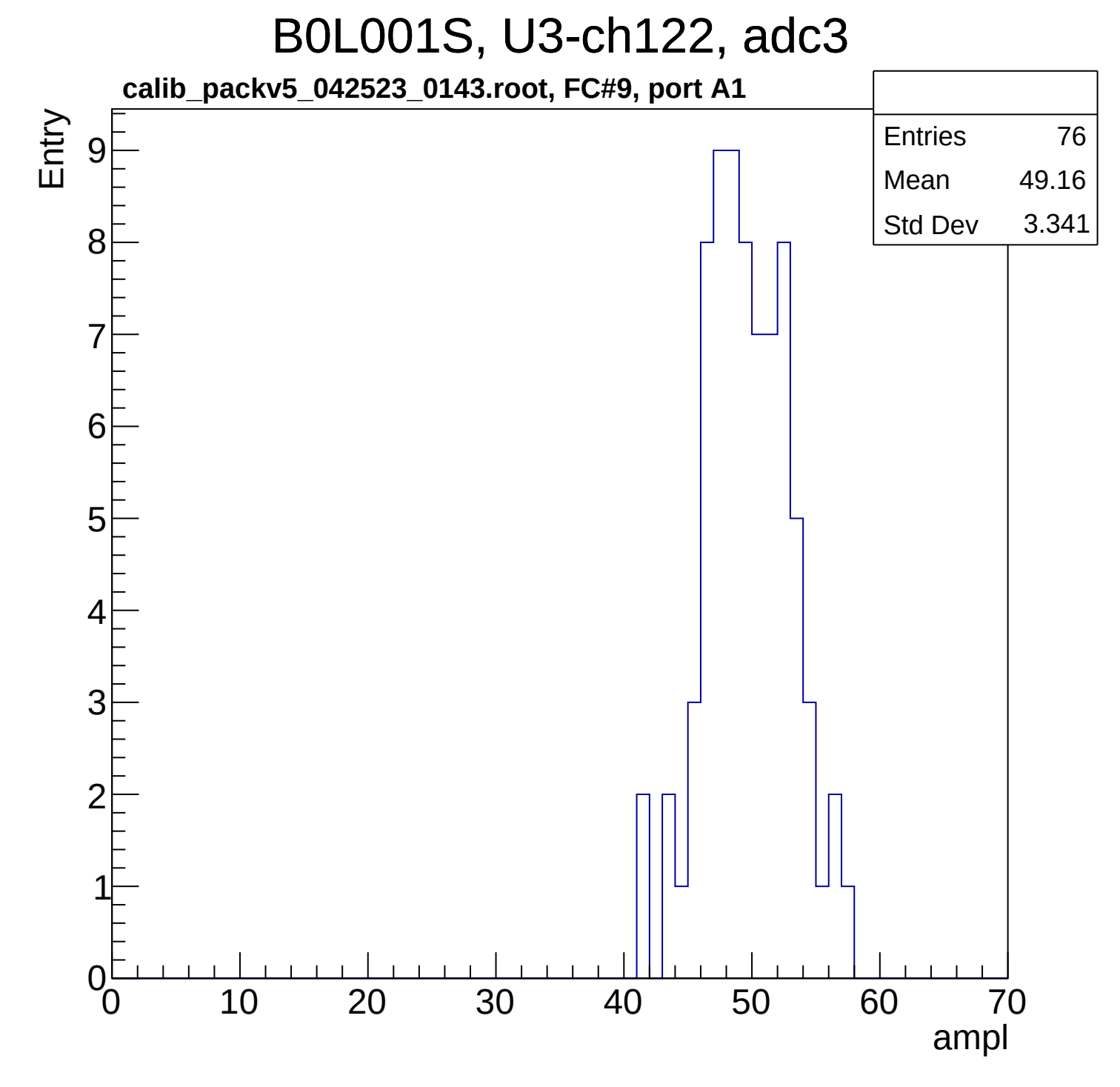
B0L001S, U3-ch122, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 76
Mean 49.16
Std Dev 3.341
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
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40
50
60
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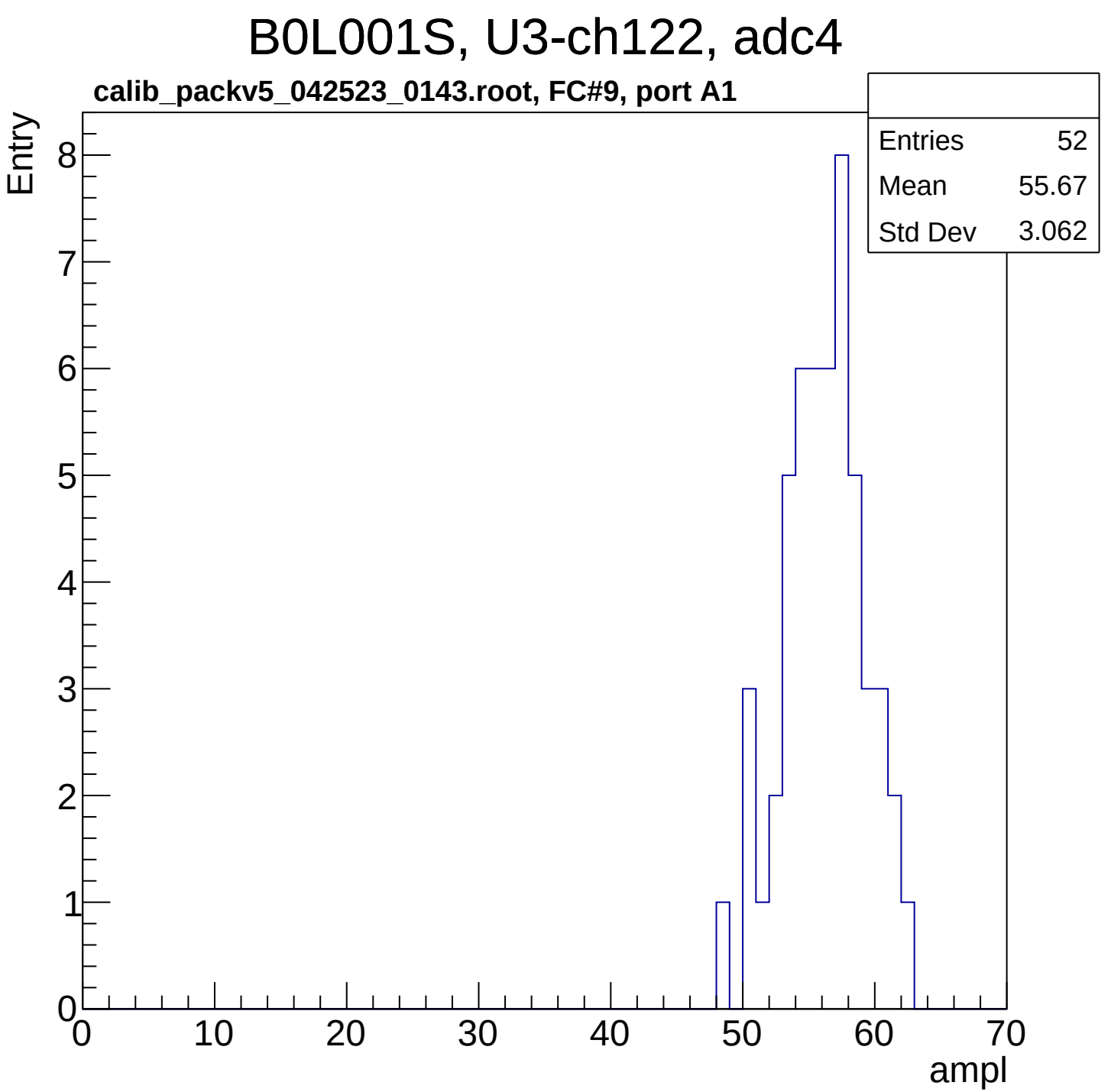
B0L001S, U3-ch122, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 52
Mean 55.67
Std Dev 3.062
Entry
ampl
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5
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7
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0
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60
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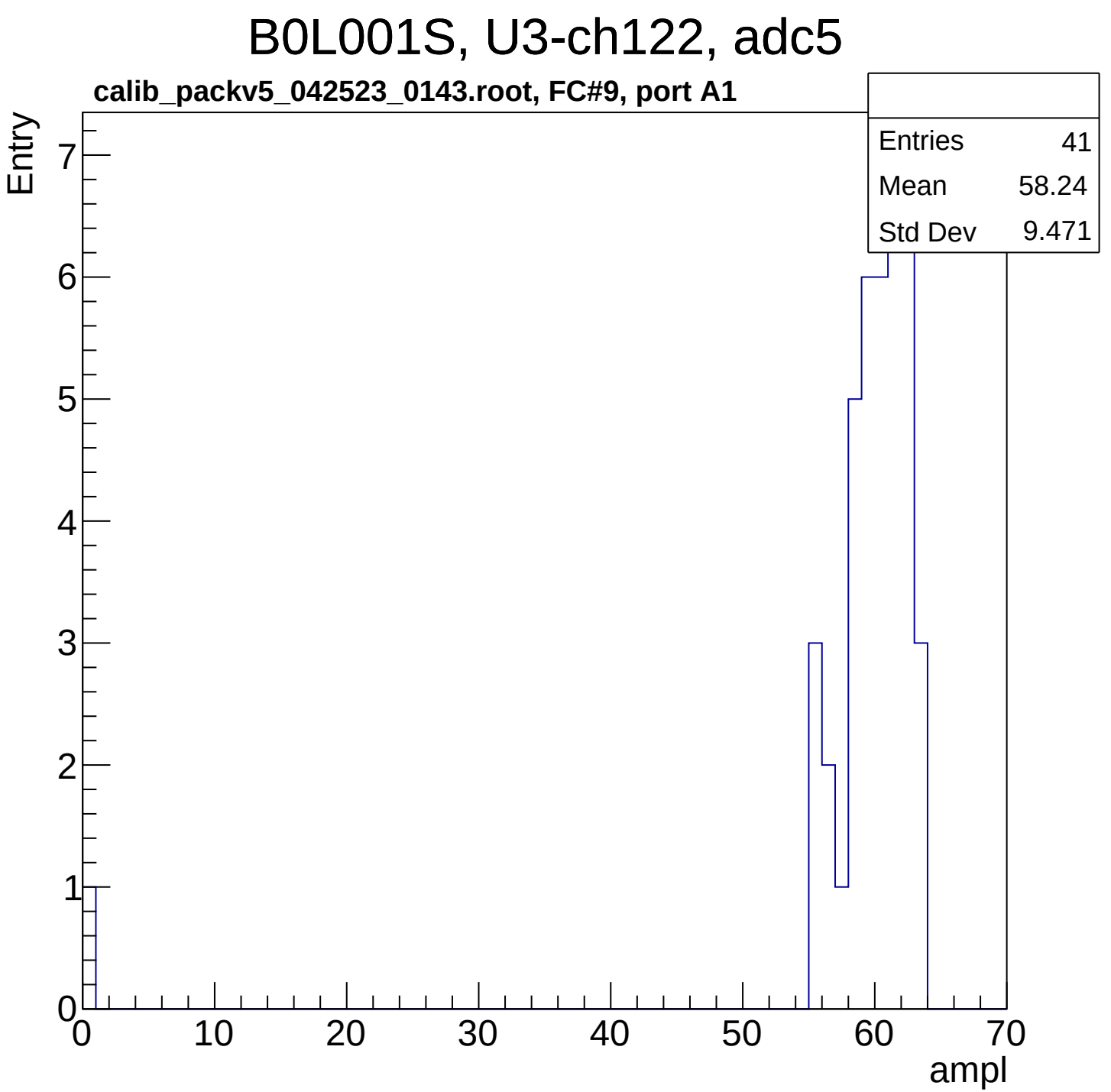
B0L001S, U3-ch122, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 41
Mean 58.24
Std Dev 9.471
Entry
ampl
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1
2
3
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0
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60
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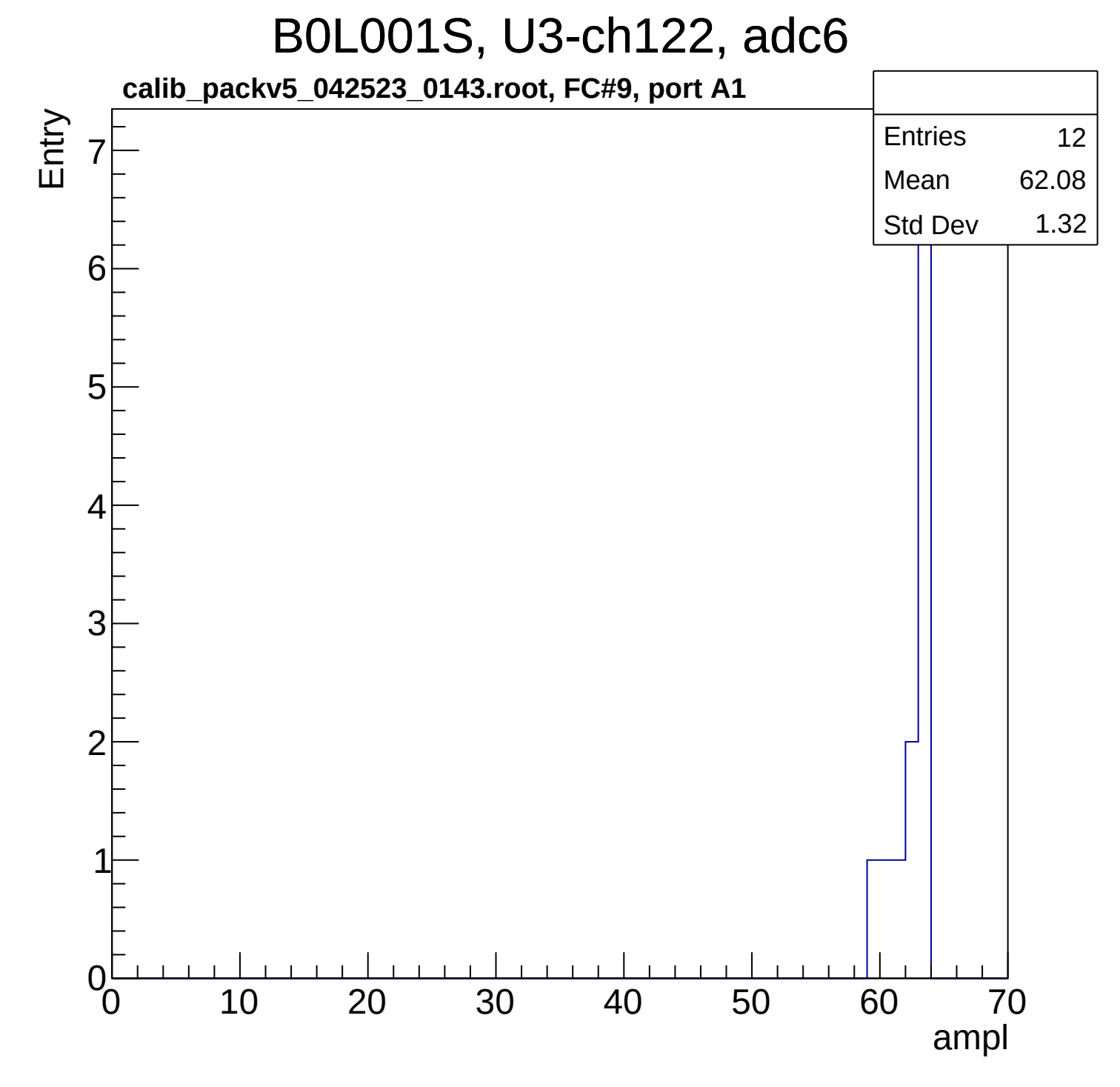
B0L001S, U3-ch122, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 12
Mean 62.08
Std Dev 1.32
Entry
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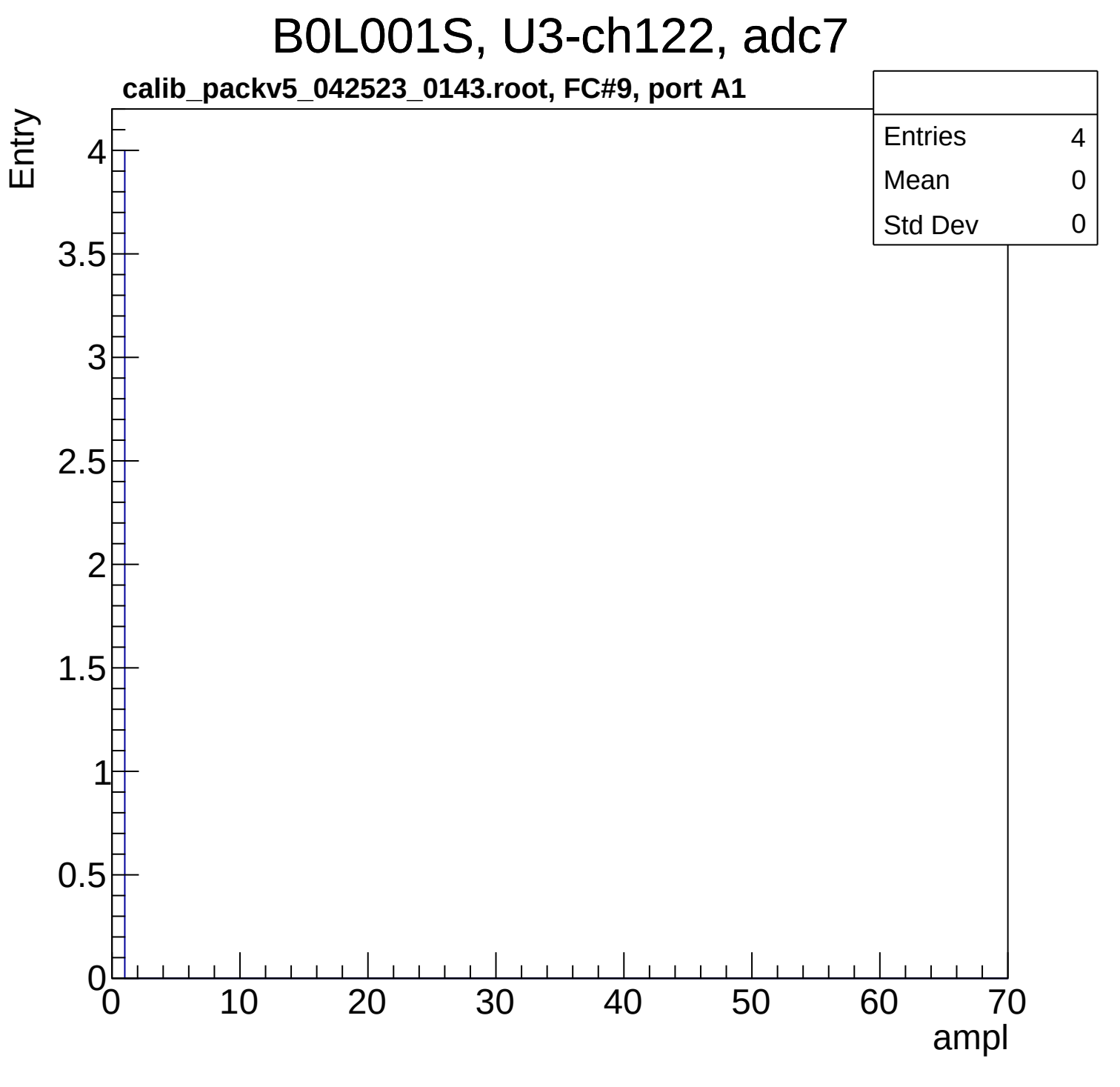
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch122, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 0
Std Dev 0
Entry
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0.5
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1.5
2
2.5
3
3.5
4
0
10
20
30
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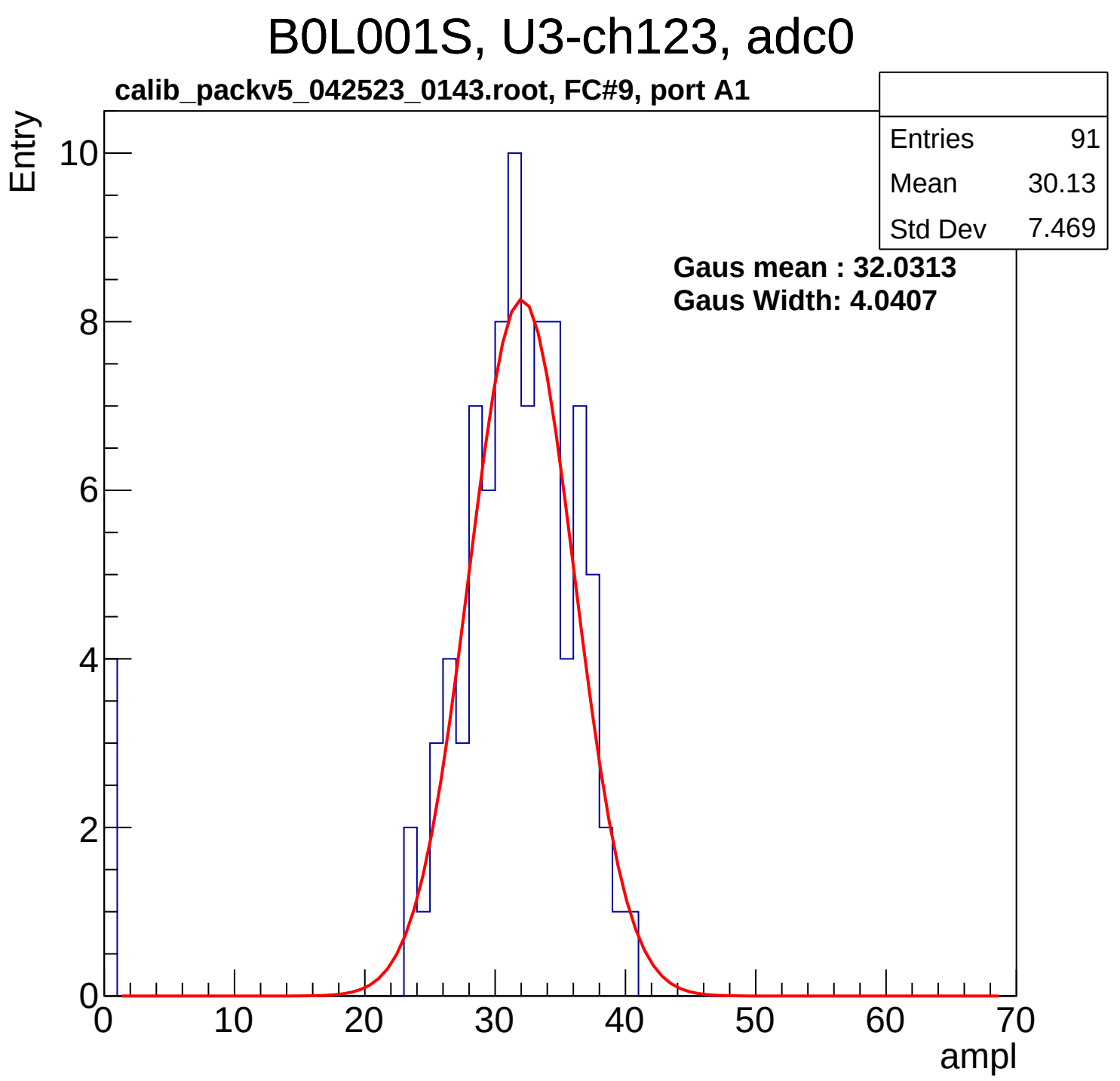
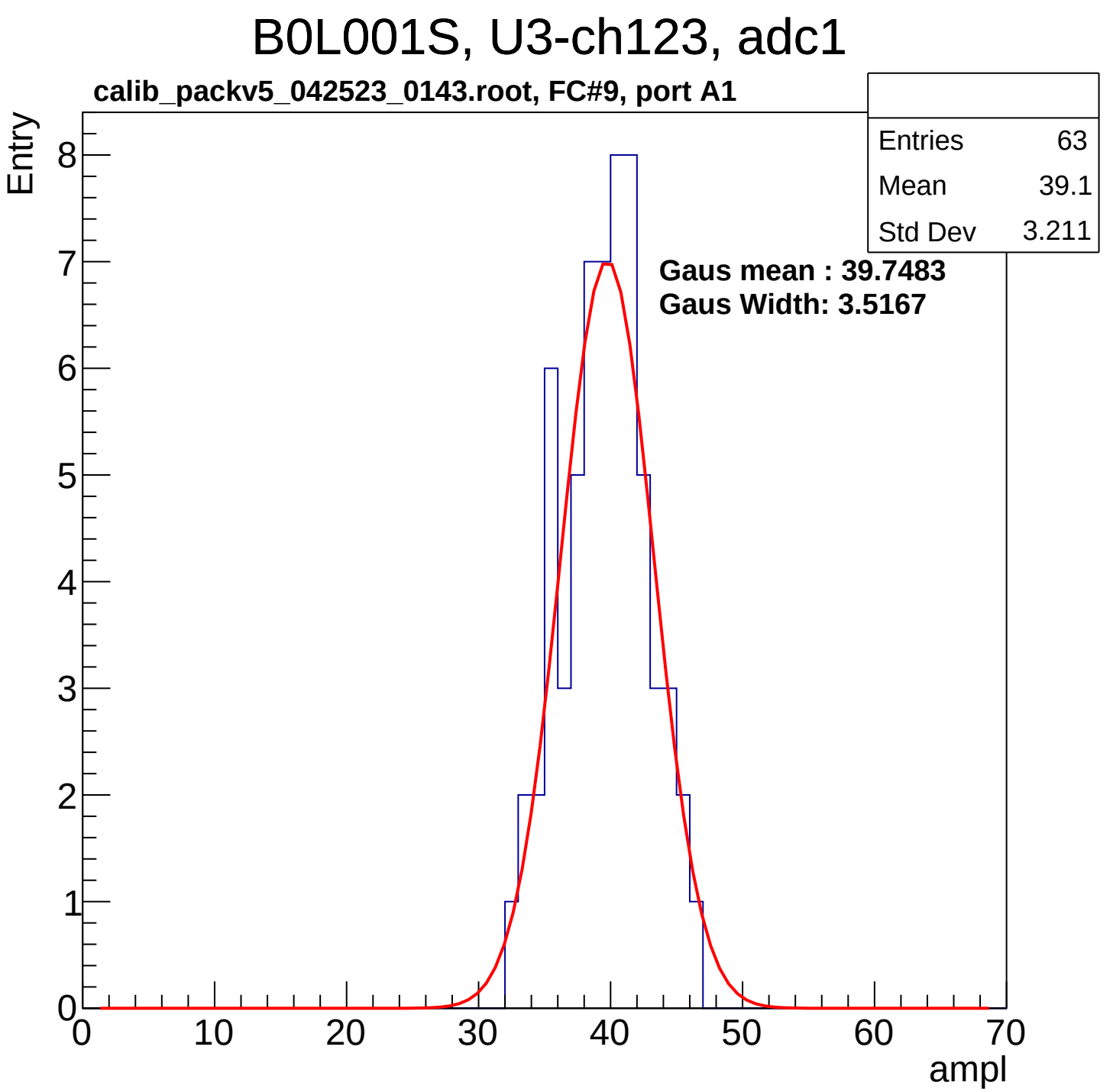
50
60
70
ampl


B0L001S, U3-ch123, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 91
Mean 30.13
Std Dev 7.469
Gaus mean : 32.0313
Gaus Width: 4.0407
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B0L001S, U3-ch123, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 63
Mean 39.1
Std Dev 3.211
Gaus mean : 39.7483
Gaus Width: 3.5167
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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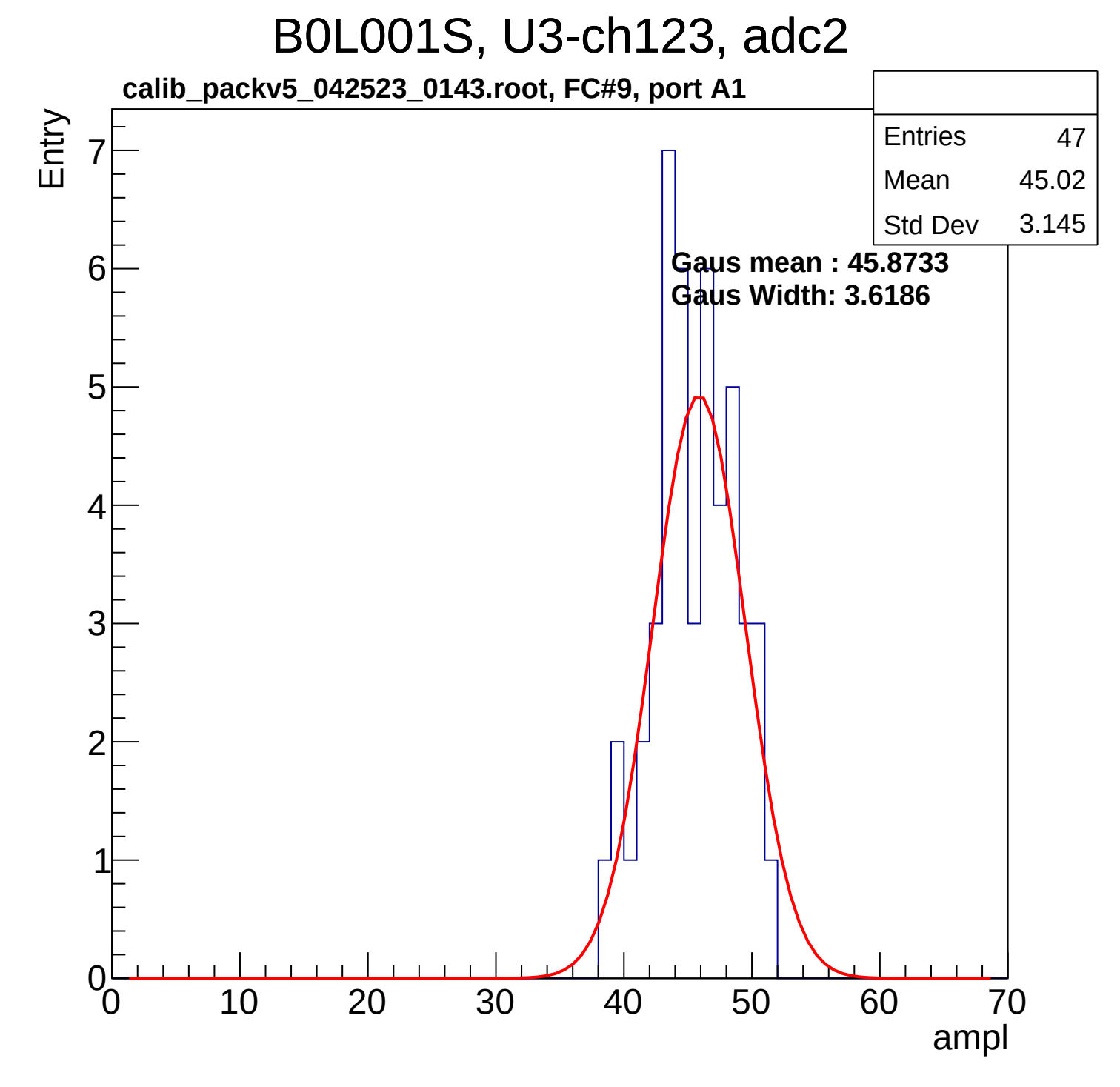
B0L001S, U3-ch123, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 47
Mean 45.02
Std Dev 3.145
Gaus mean : 45.8733
Gaus Width: 3.6186
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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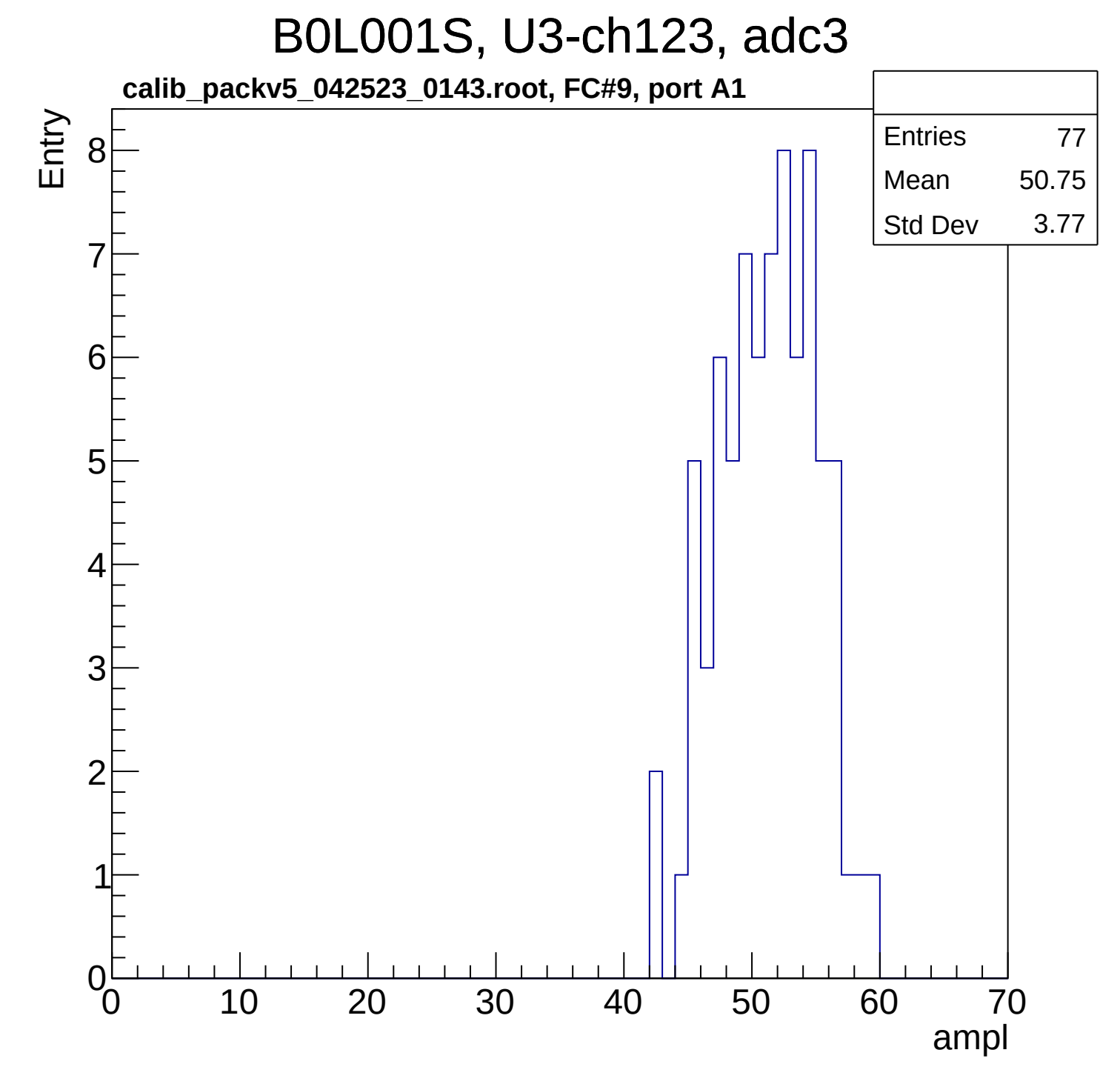
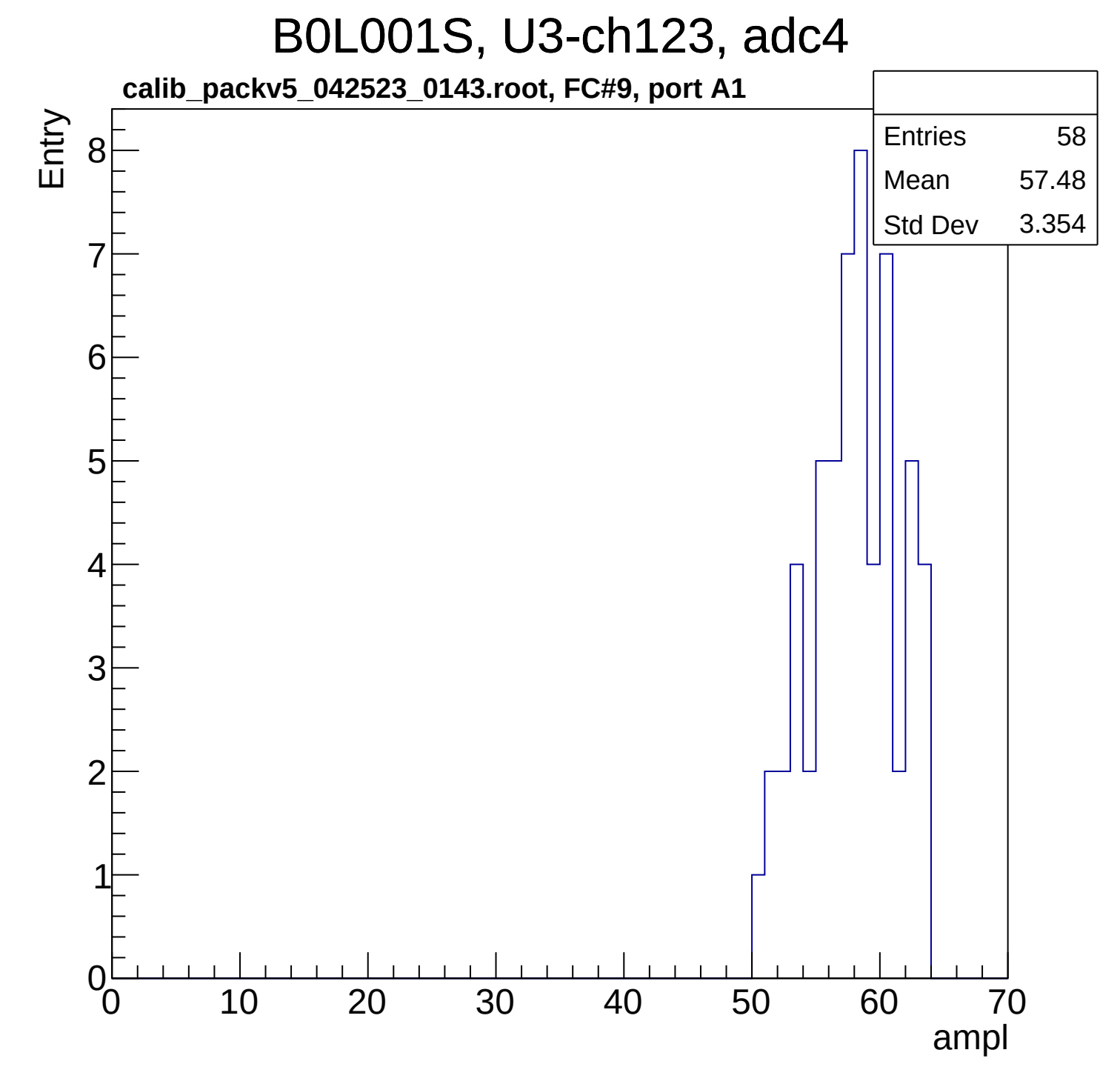

B0L001S, U3-ch123, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 77
Mean 50.75
Std Dev 3.77
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch123, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 57.48
Std Dev 3.354
Entry
ampl
0
1
2
3
4
5
6
7
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0
10
20
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40
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60
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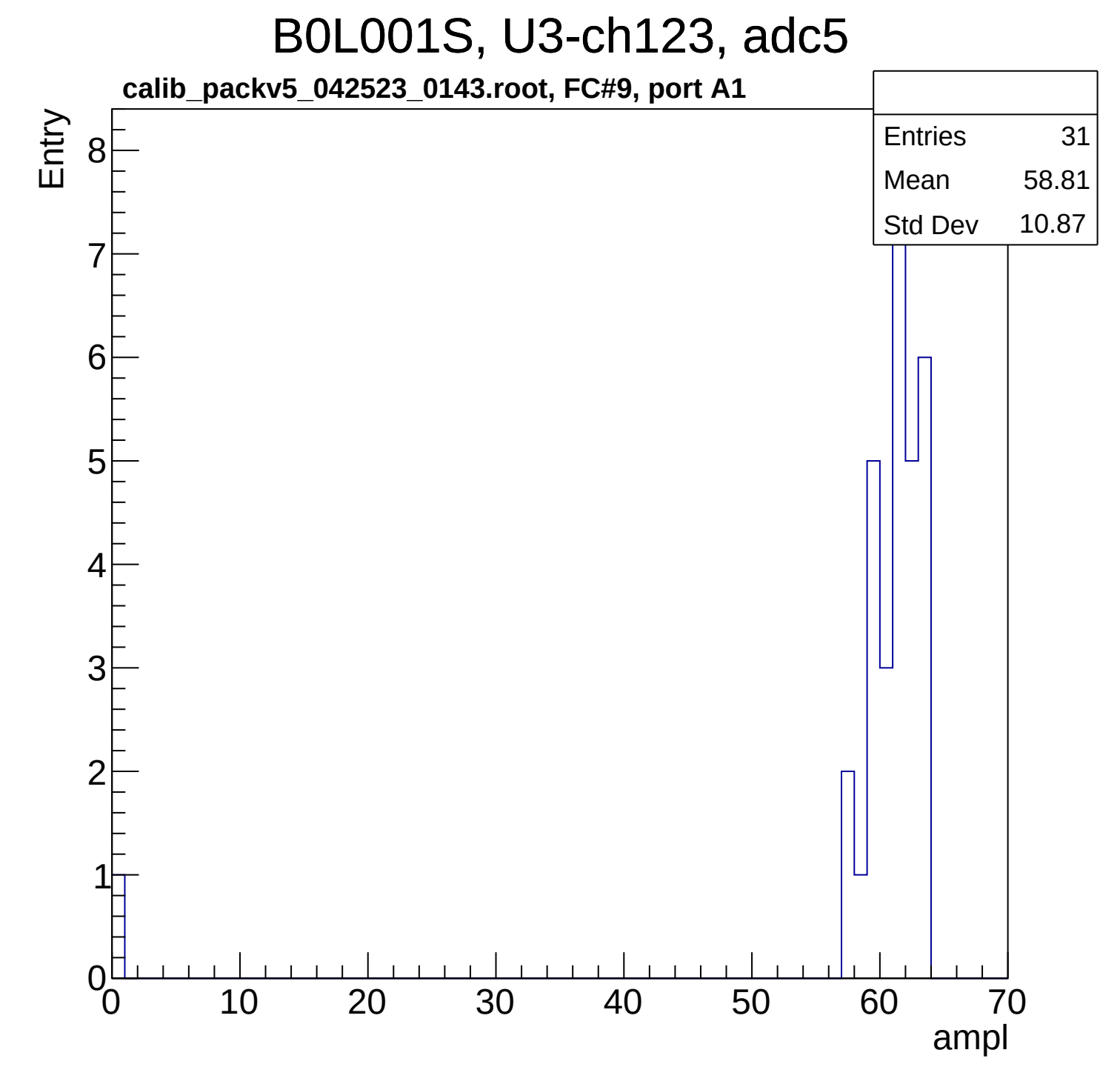
B0L001S, U3-ch123, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 31
Mean 58.81
Std Dev 10.87
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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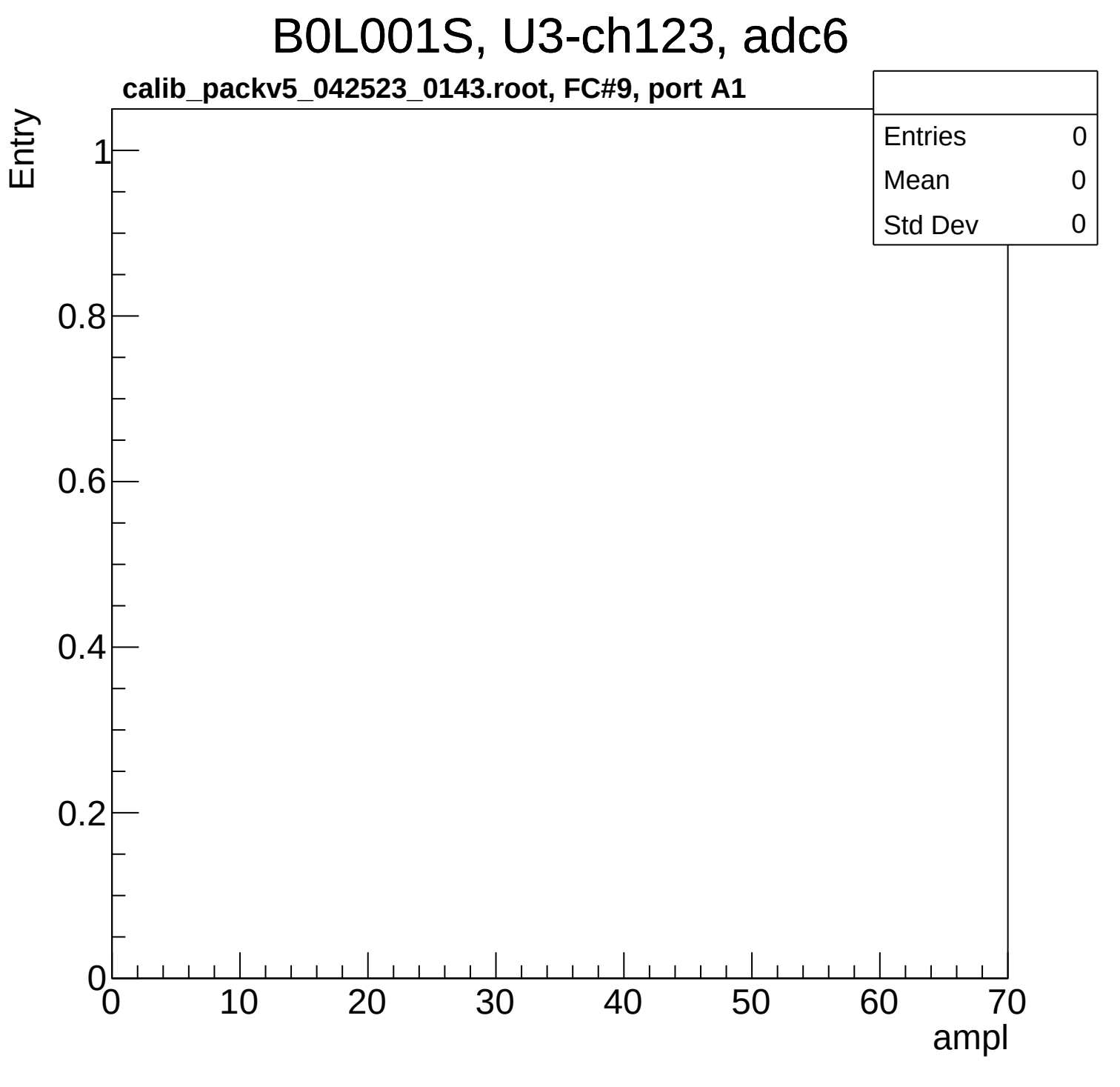
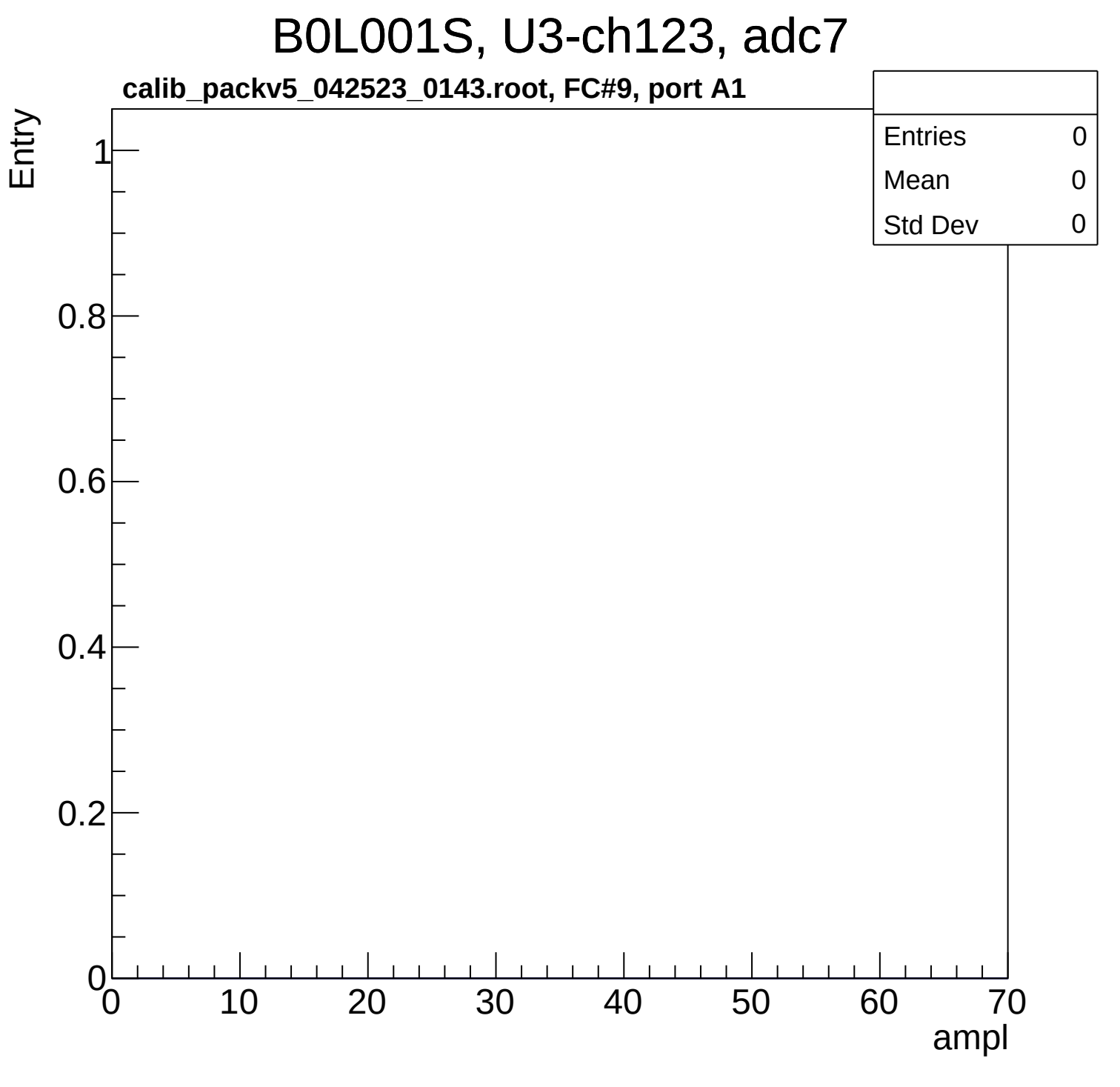
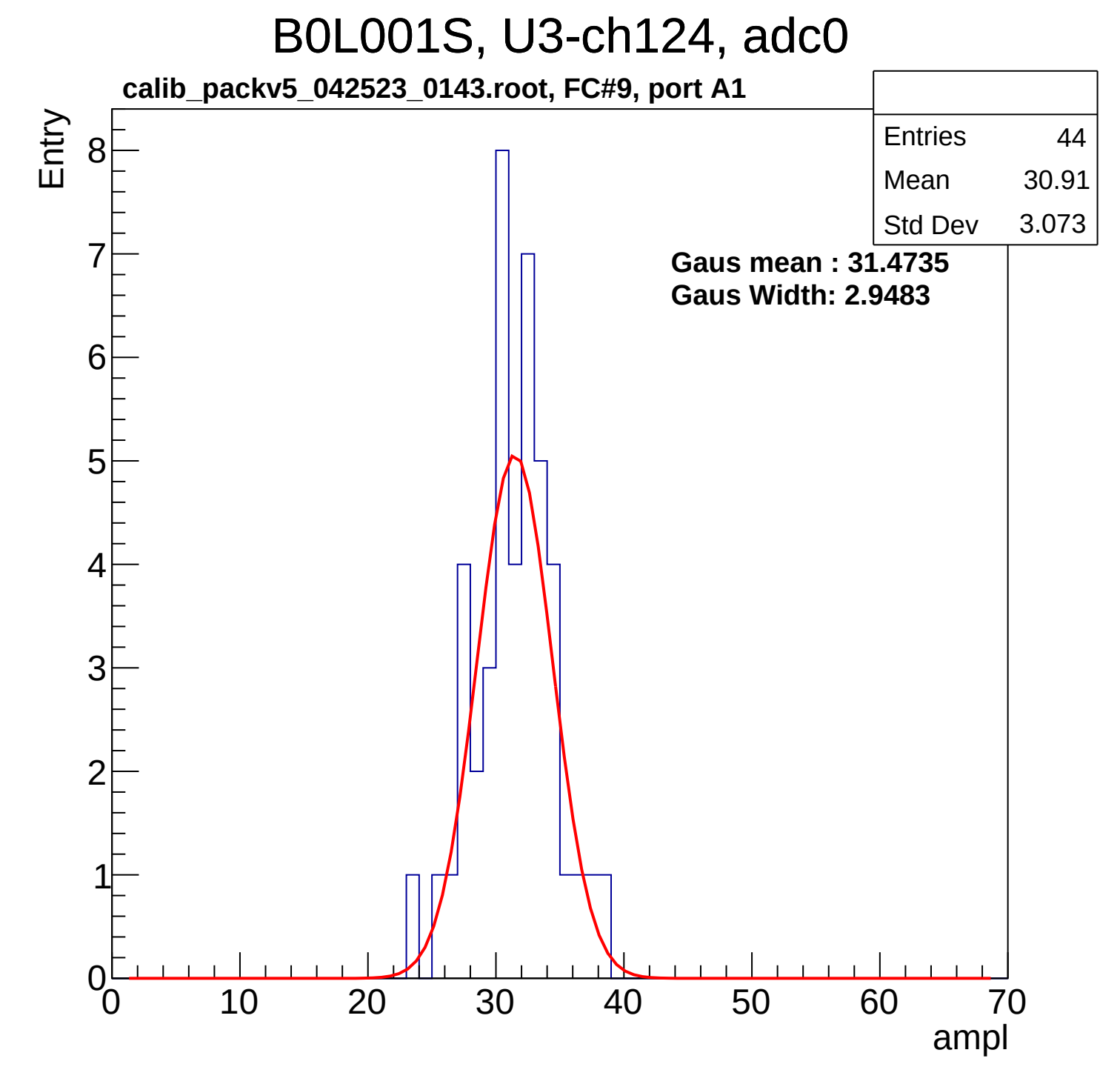
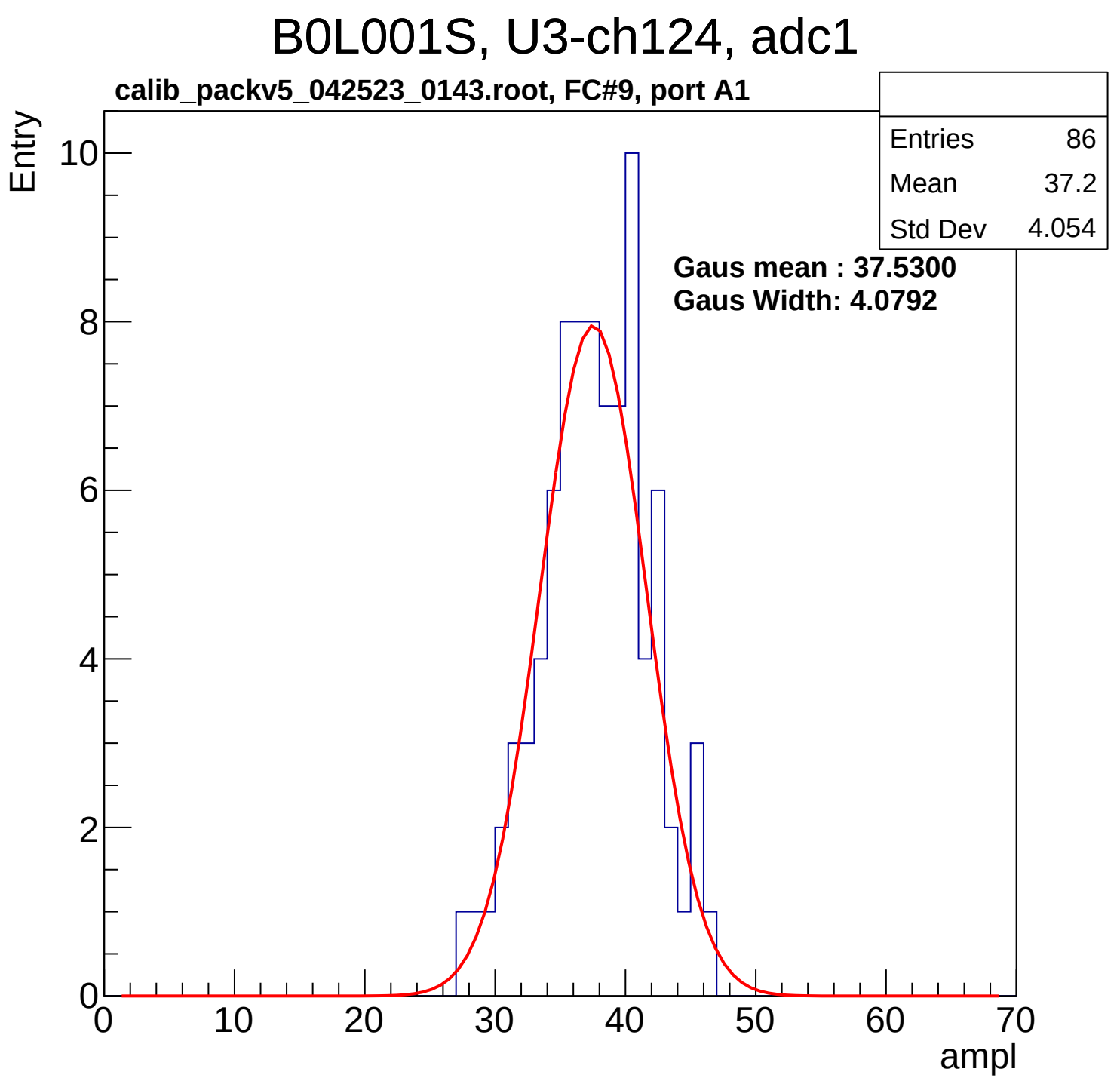

B0L001S, U3-ch123, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch123, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch124, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 44
Mean 30.91
Std Dev 3.073
Gaus mean : 31.4735
Gaus Width: 2.9483
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch124, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 86
Mean 37.2
Std Dev 4.054
Gaus mean : 37.5300
Gaus Width: 4.0792
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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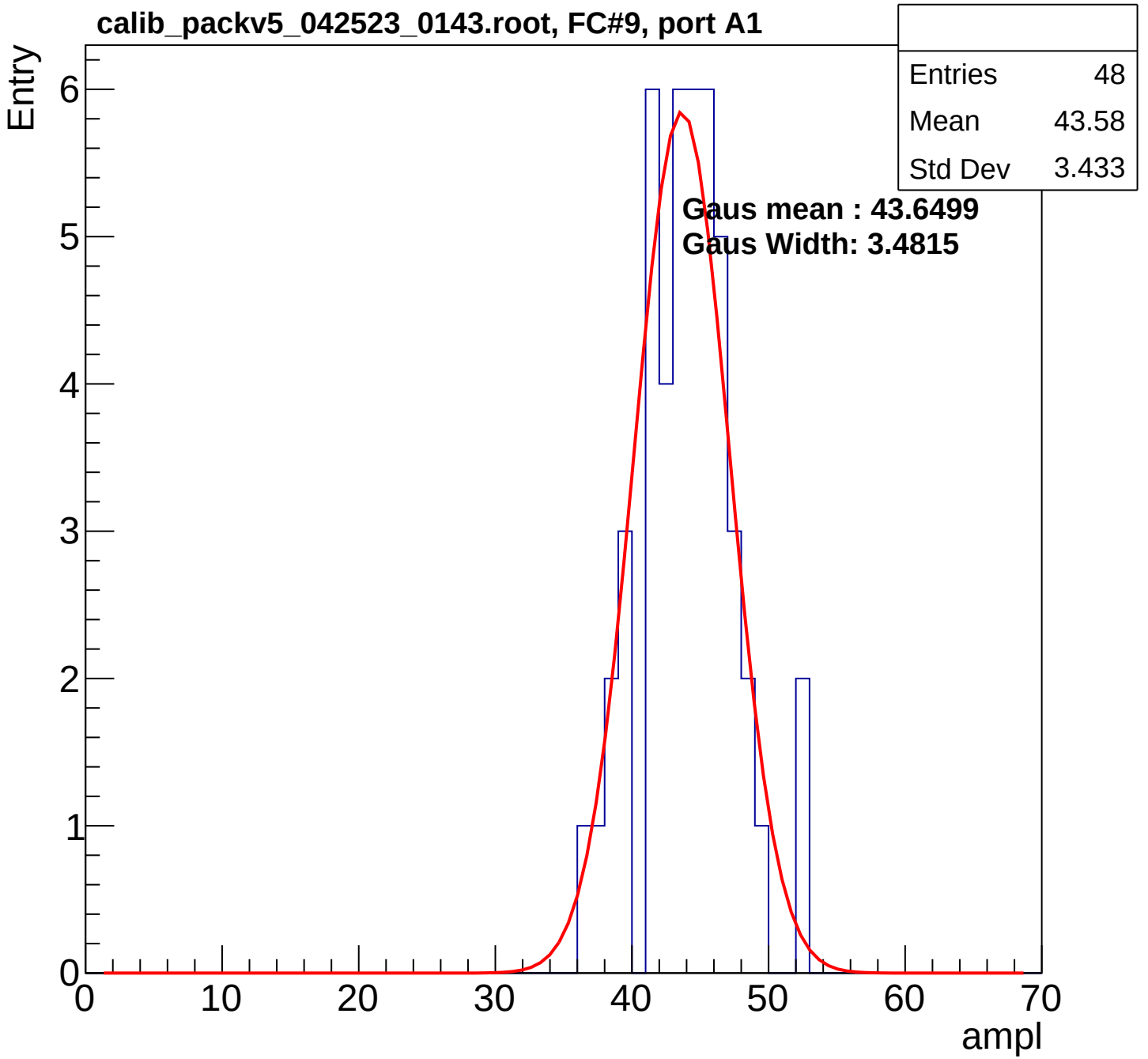
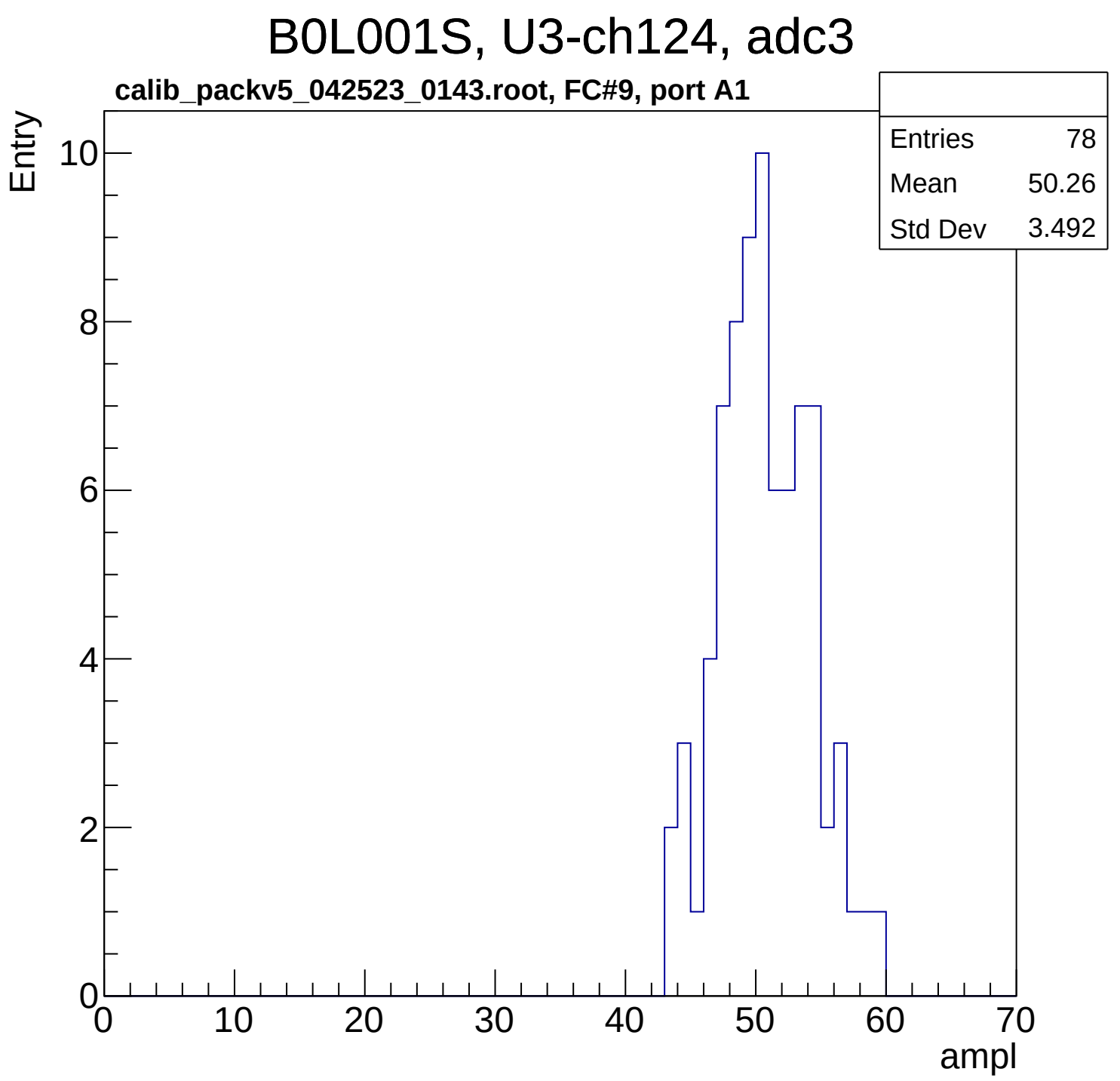
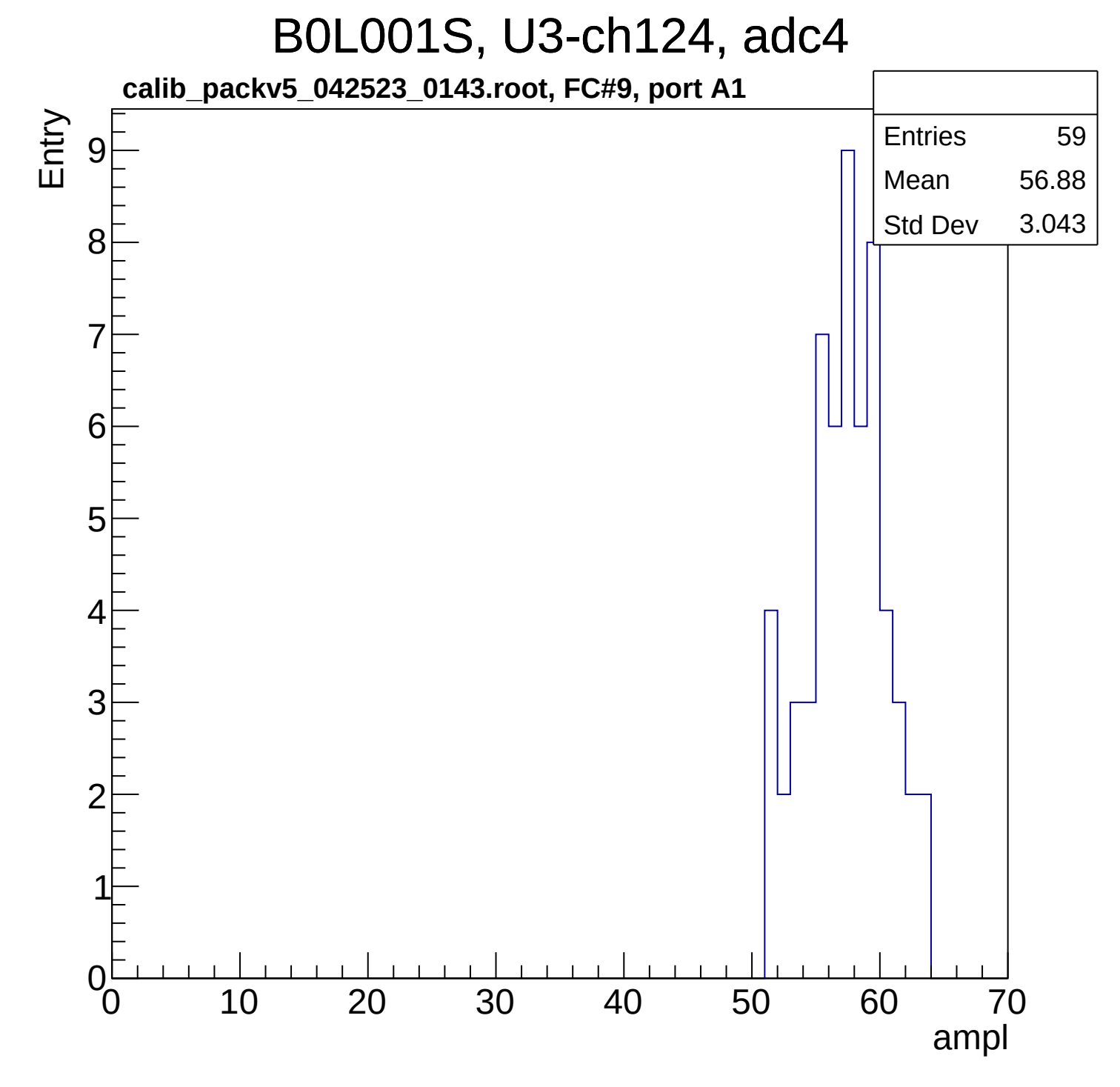
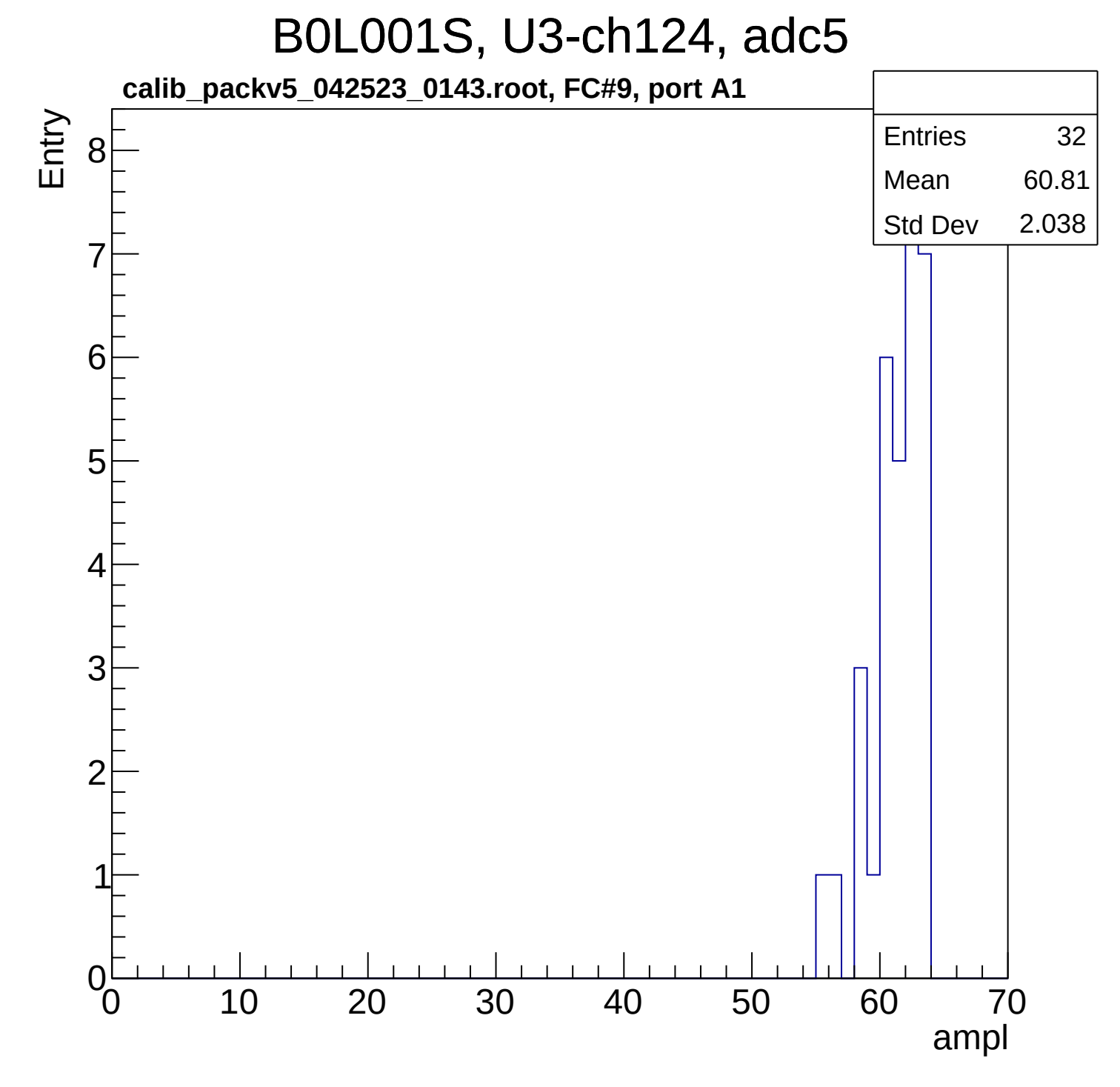

B0L001S, U3-ch124, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 48
Mean 43.58
Std Dev 3.433
Gaus mean : 43.6499
Gaus Width: 3.4815
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B0L001S, U3-ch124, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 78
Mean 50.26
Std Dev 3.492
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch124, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 59
Mean 56.88
Std Dev 3.043
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch124, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 32
Mean 60.81
Std Dev 2.038
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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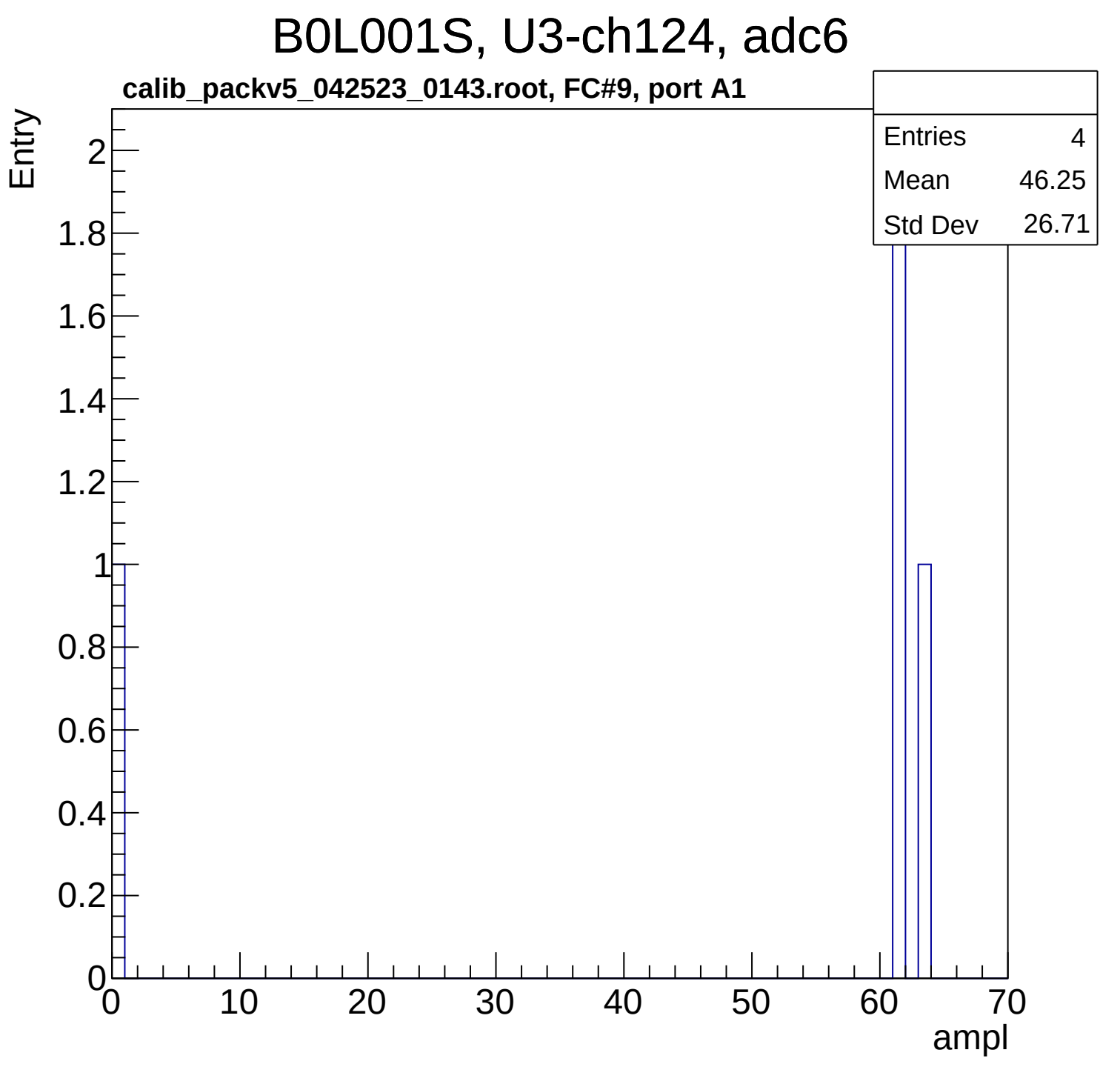
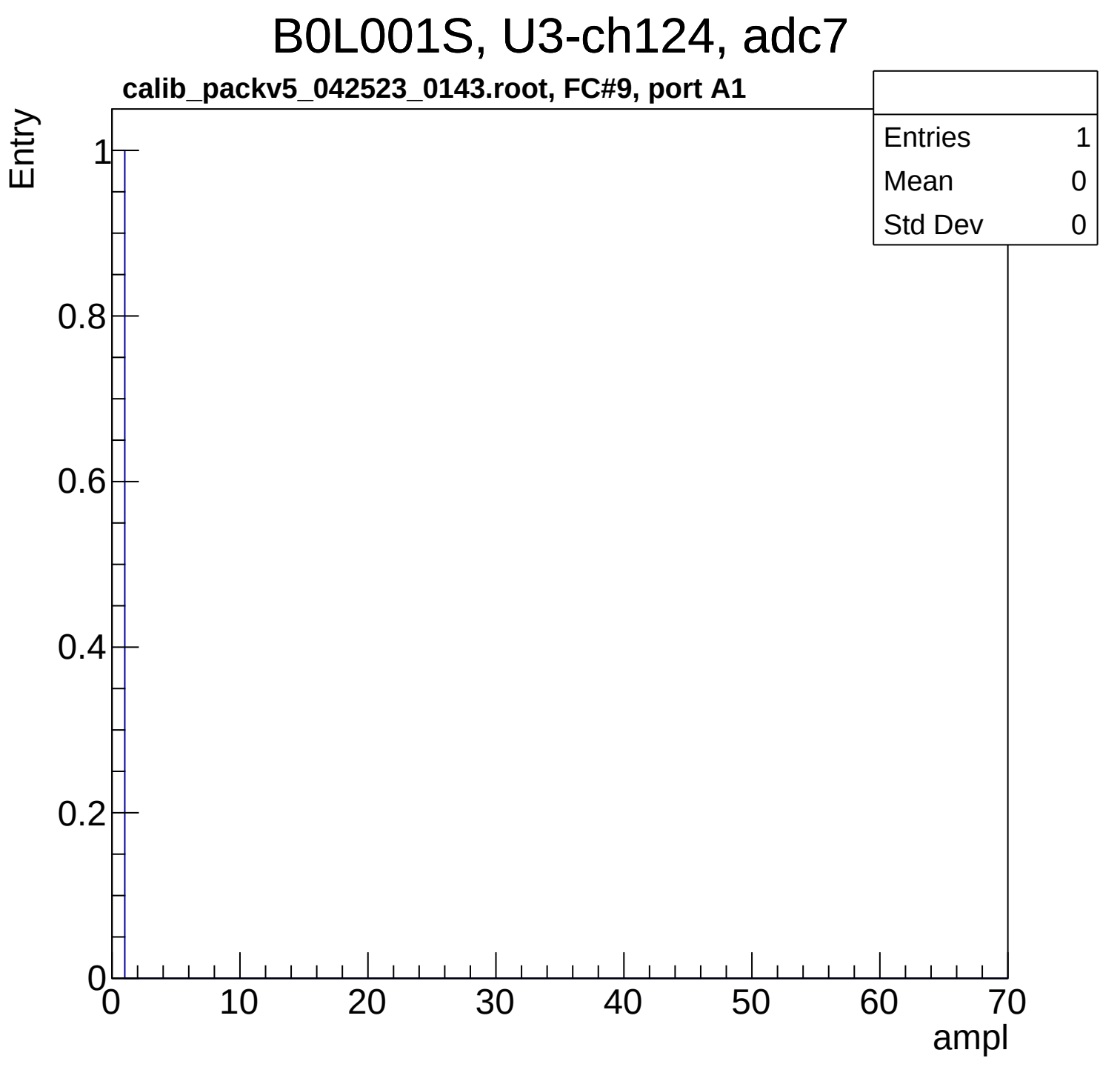
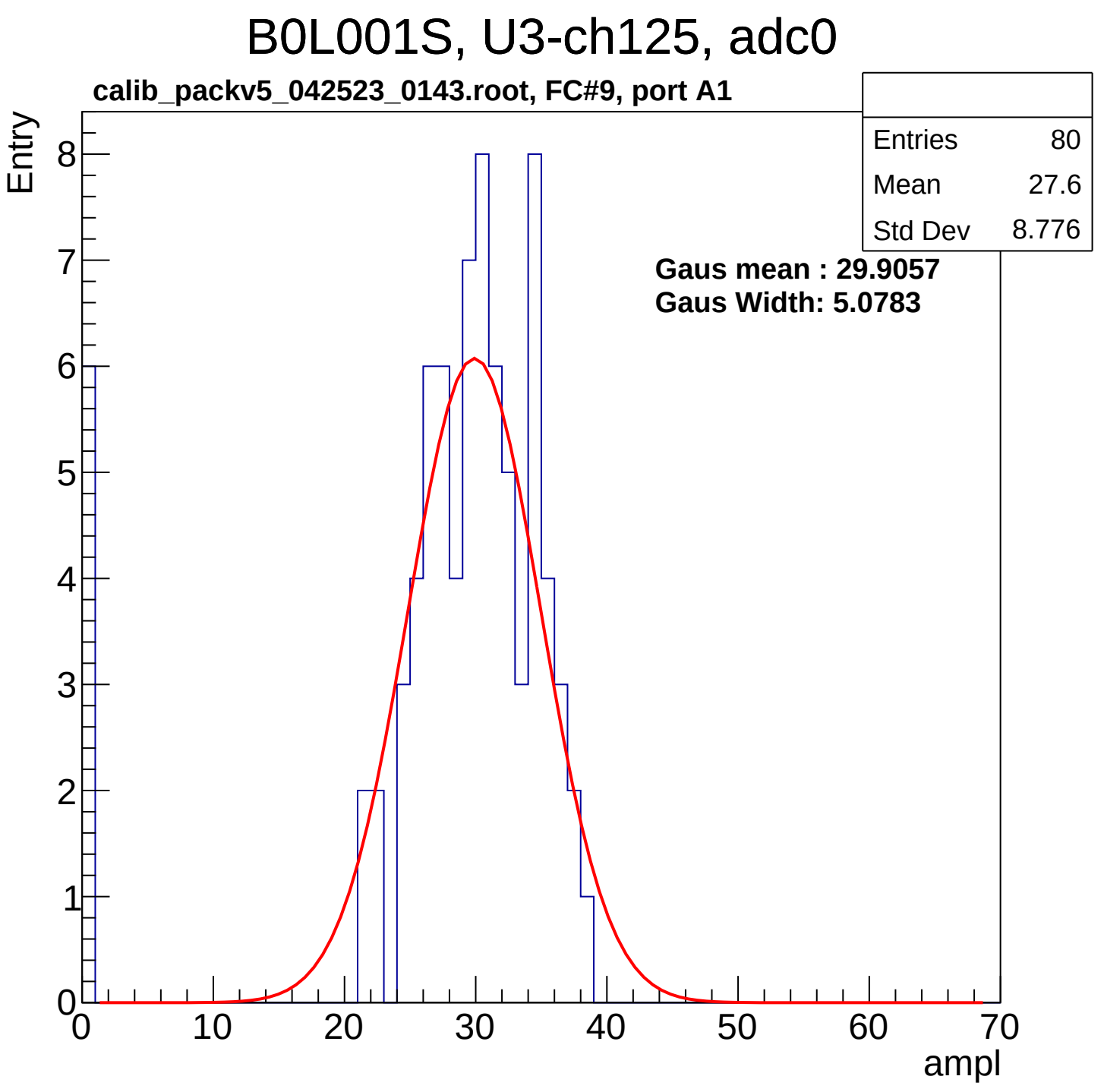
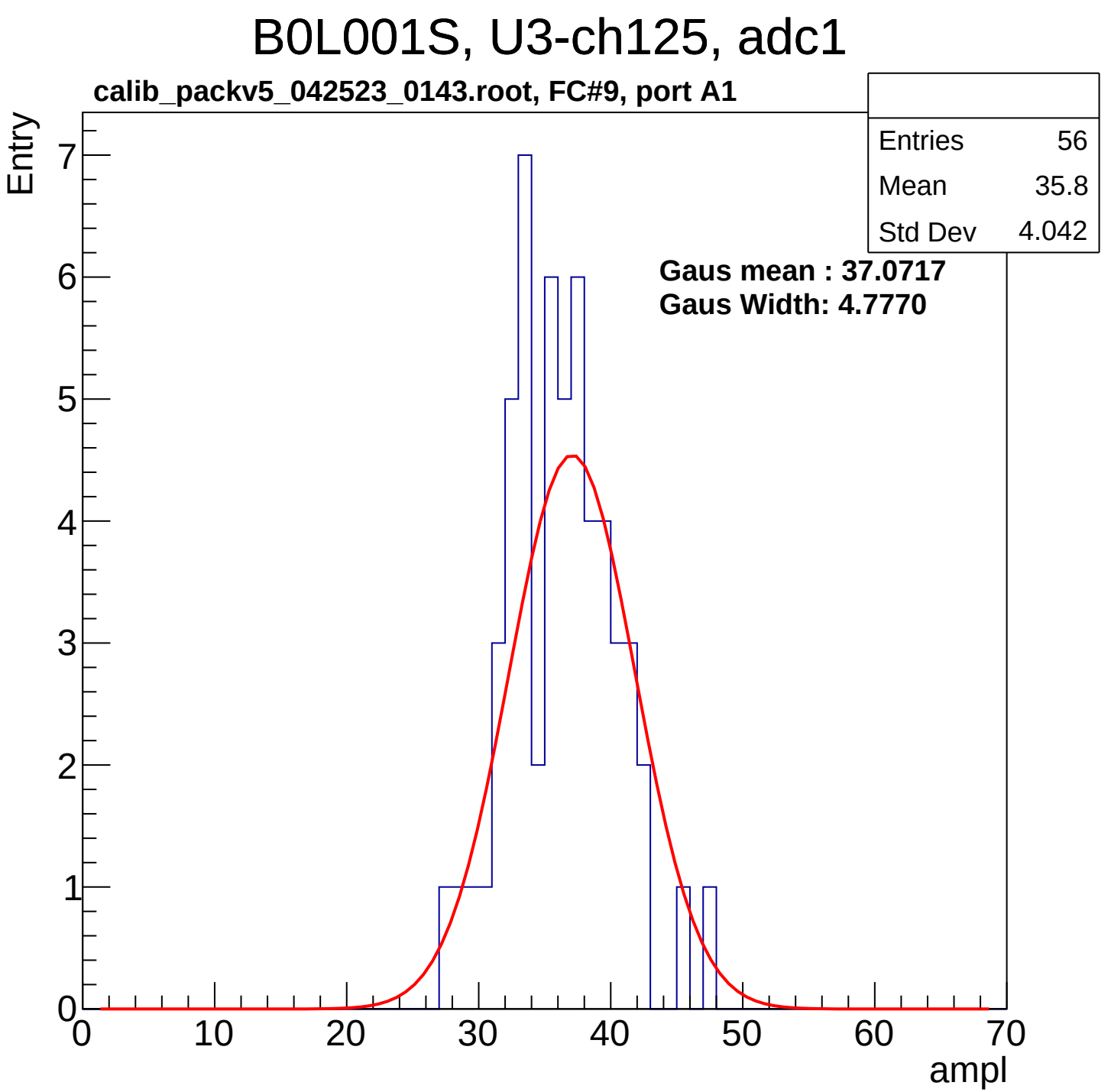
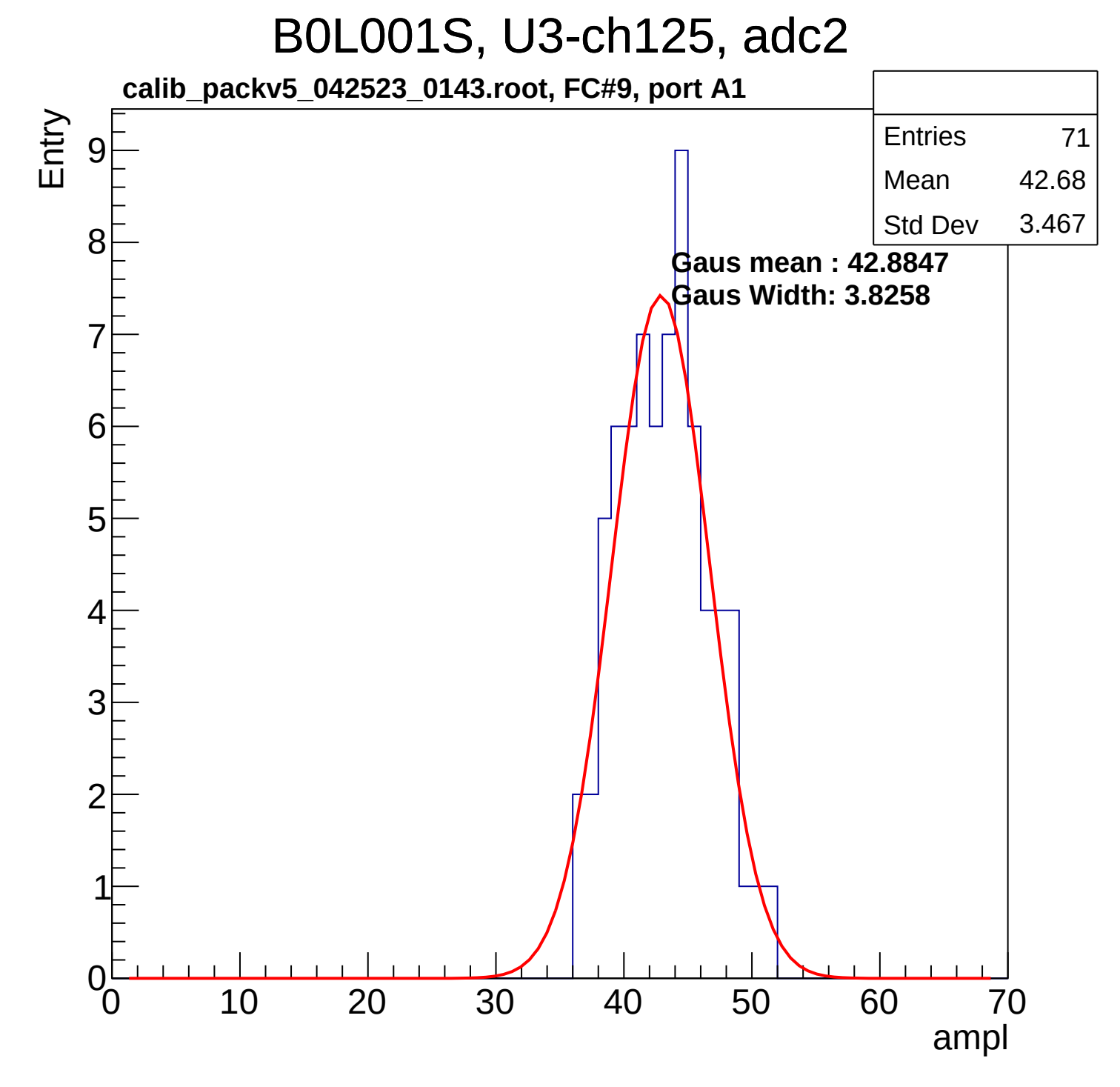

B0L001S, U3-ch124, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 4
Mean 46.25
Std Dev 26.71
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B0L001S, U3-ch124, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch125, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 80
Mean 27.6
Std Dev 8.776
Gaus mean : 29.9057
Gaus Width: 5.0783
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch125, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 56
Mean 35.8
Std Dev 4.042
Gaus mean : 37.0717
Gaus Width: 4.7770
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch125, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 71
Mean 42.68
Std Dev 3.467
Gaus mean : 42.8847
Gaus Width: 3.8258
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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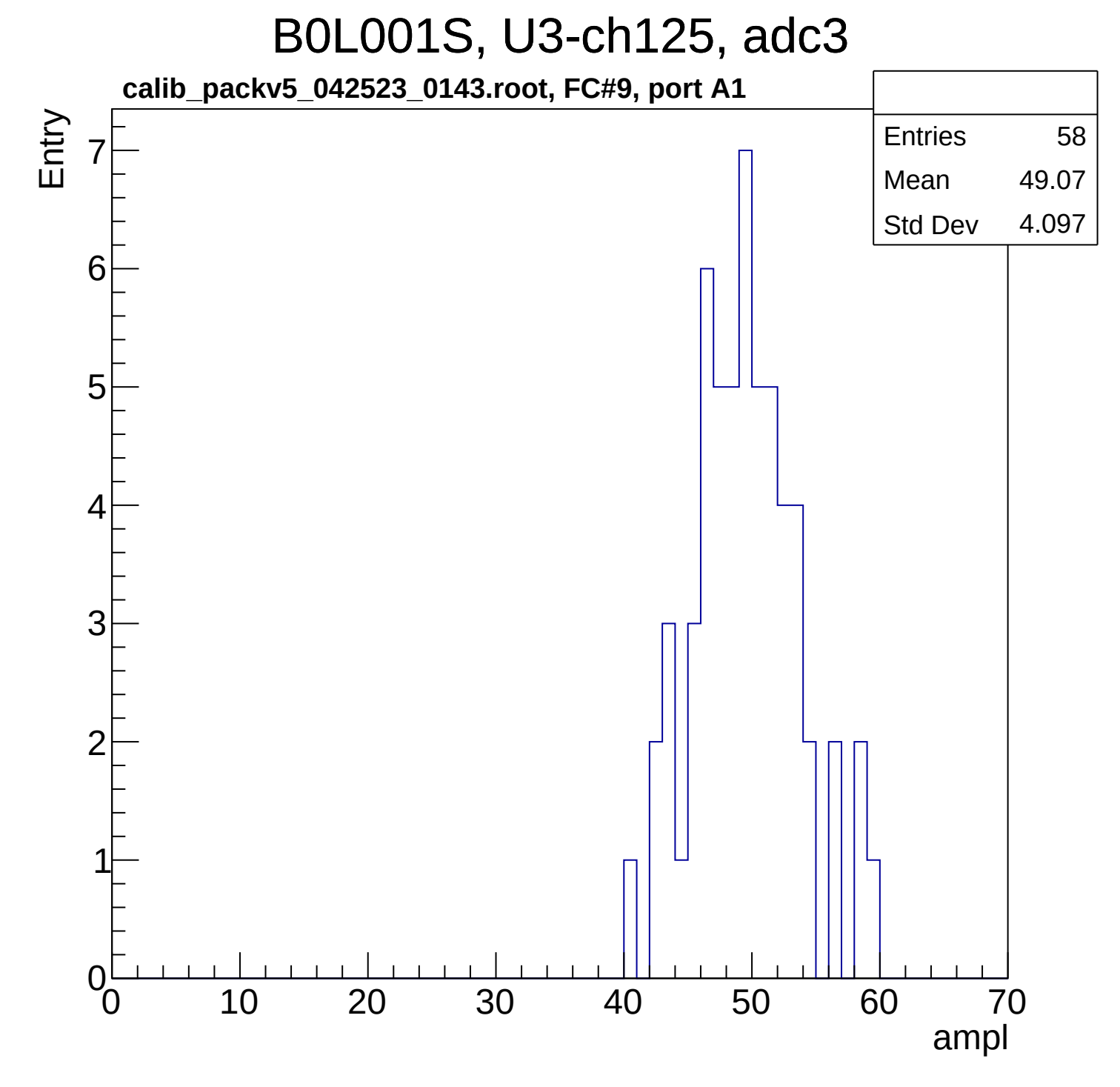
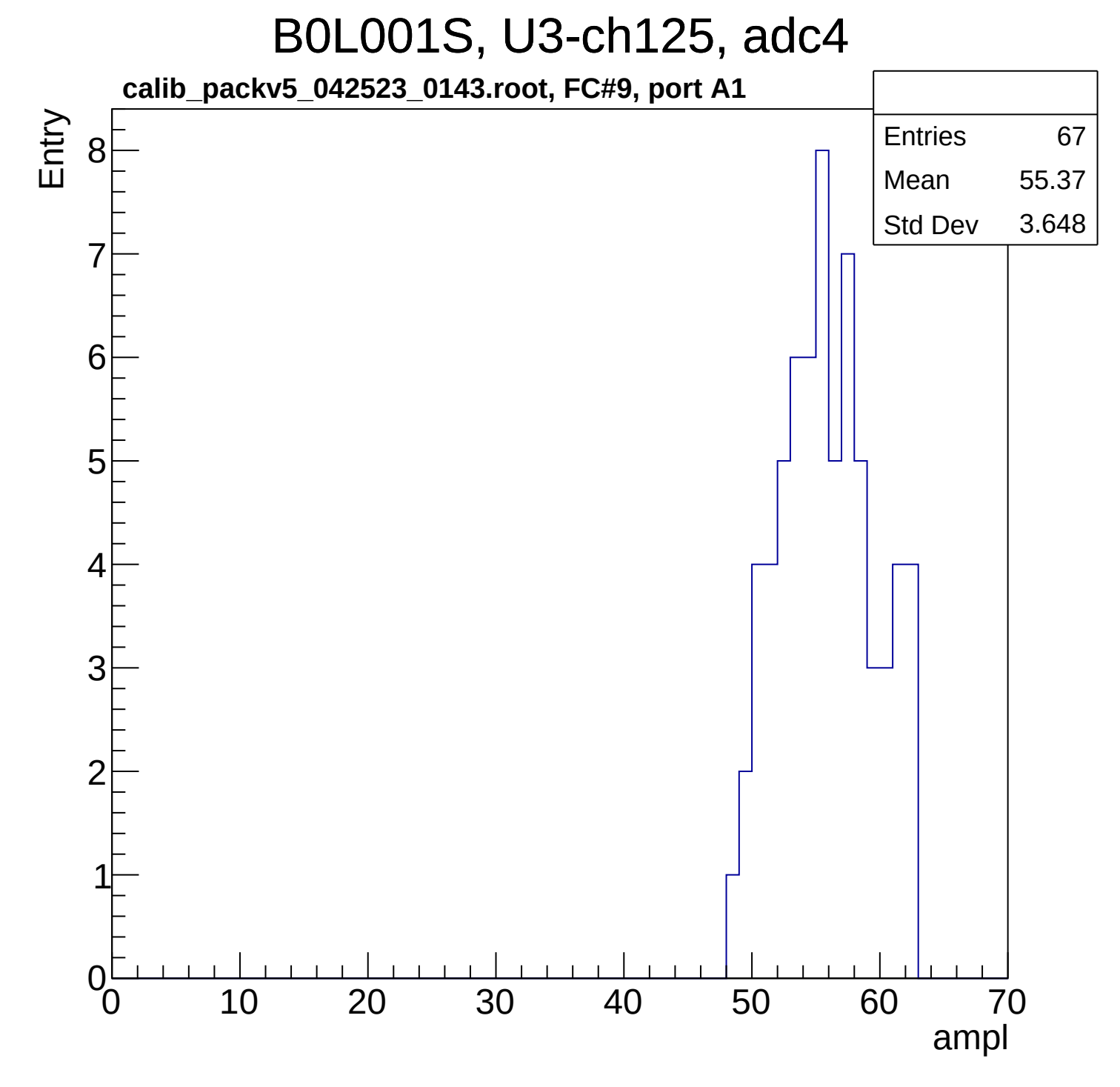
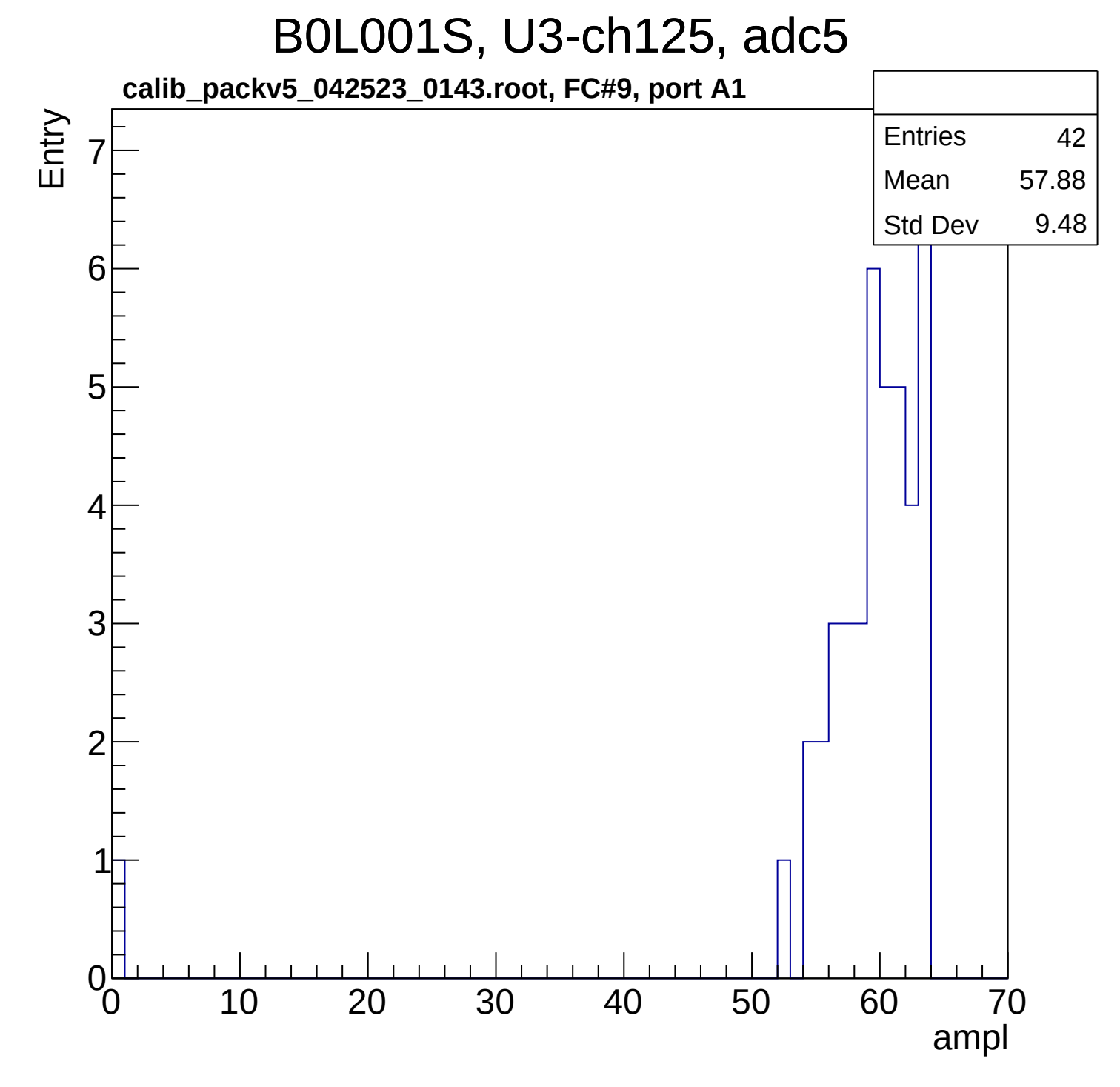
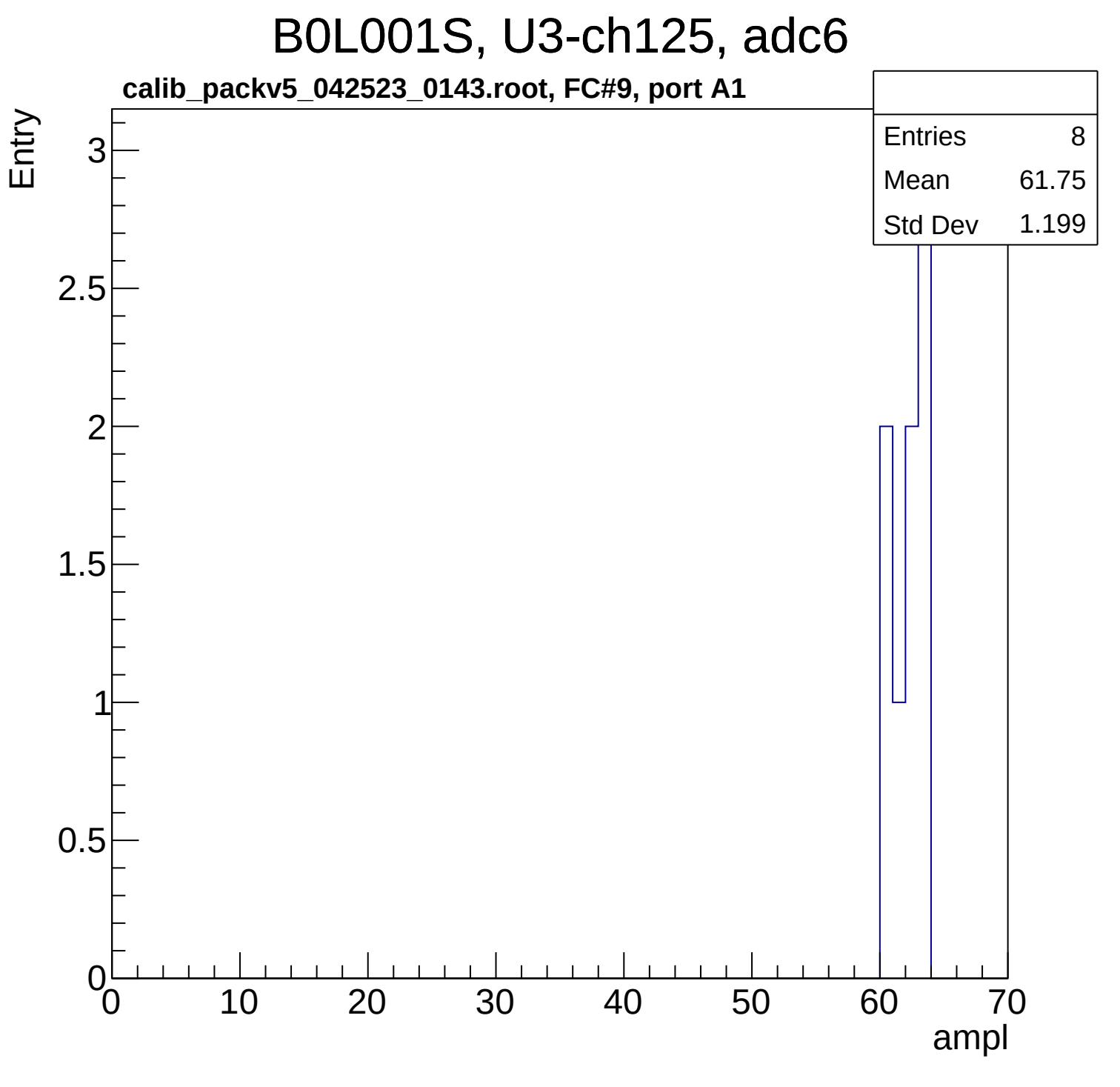
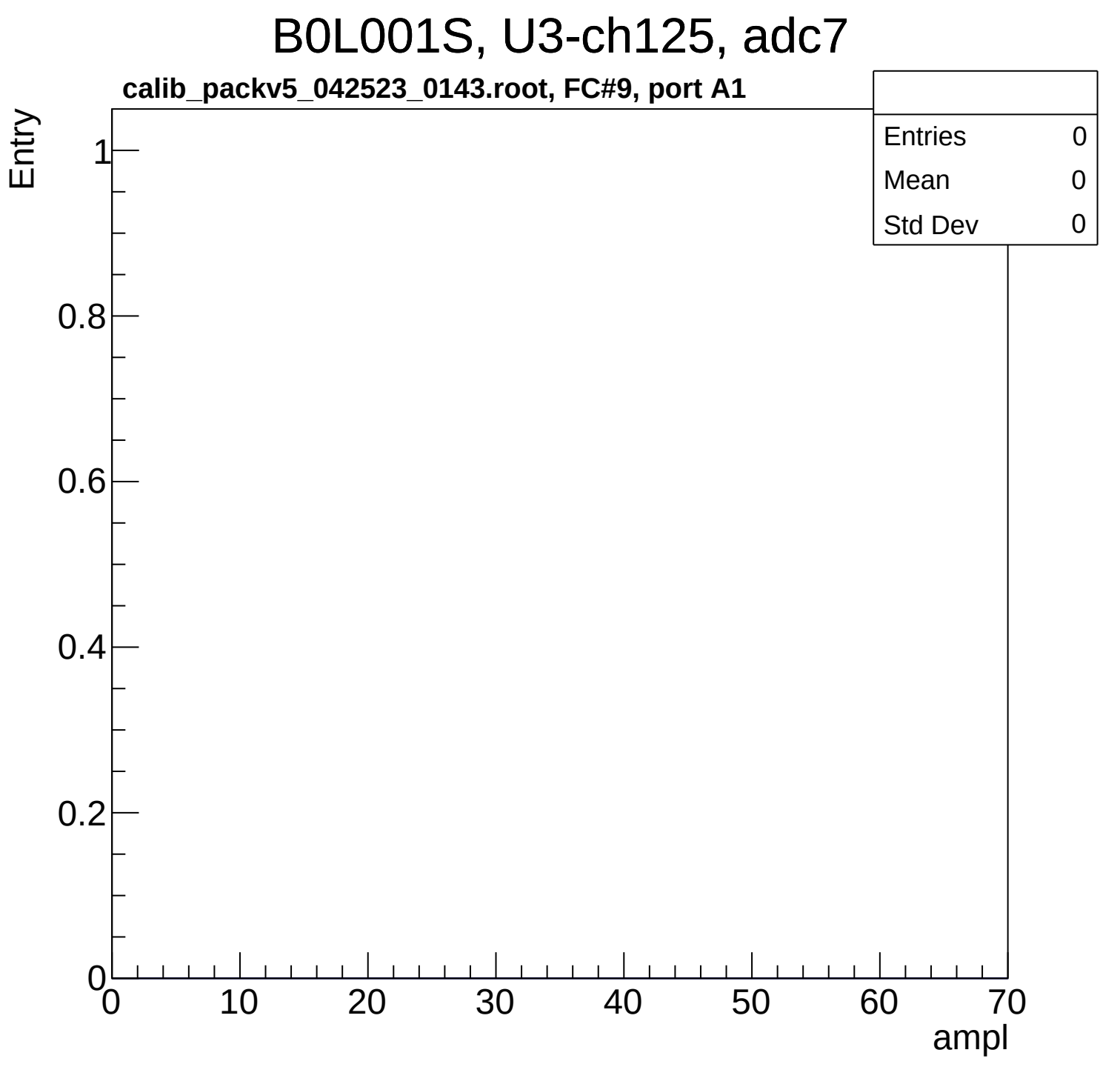
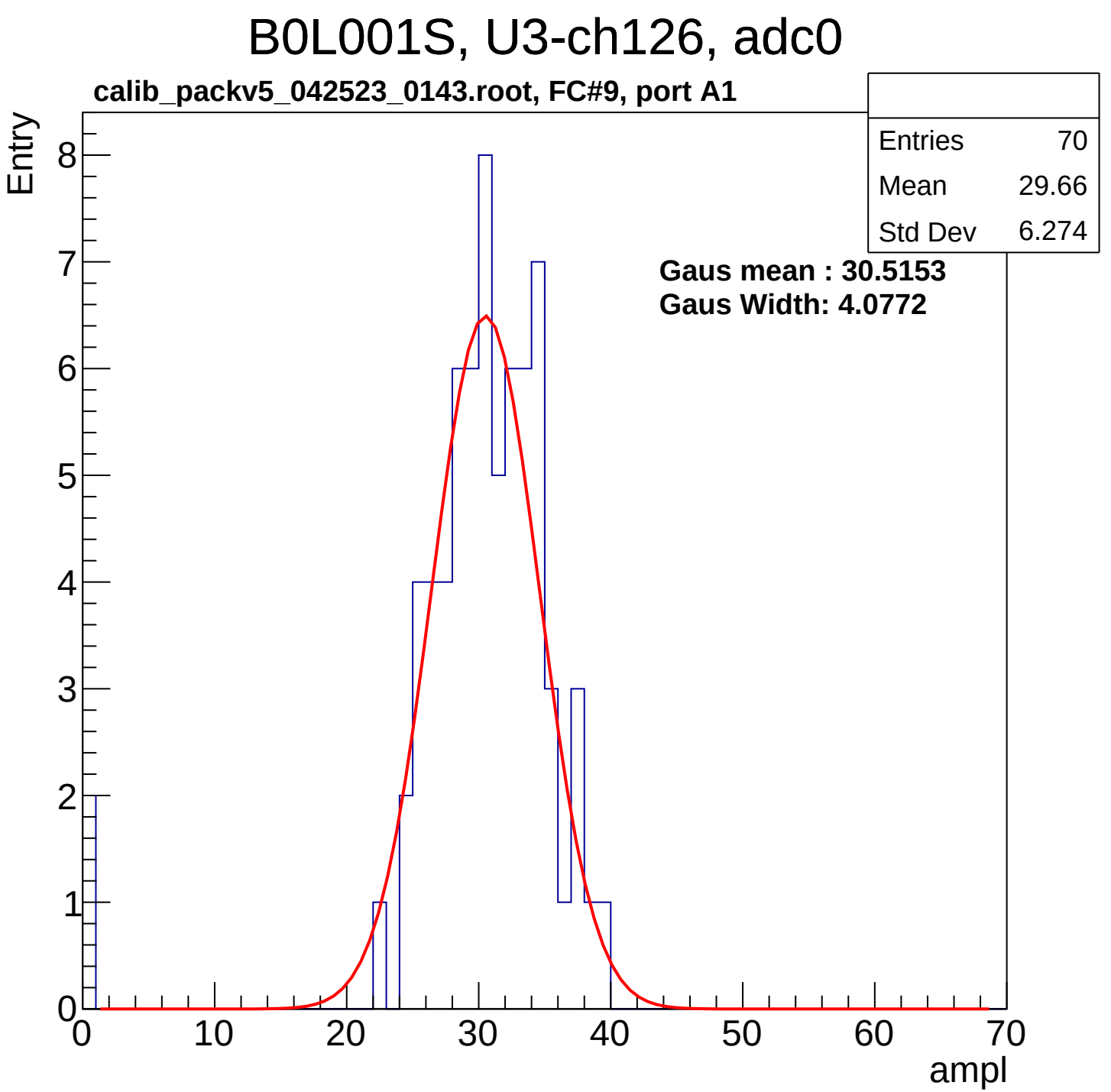

B0L001S, U3-ch125, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 49.07
Std Dev 4.097
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

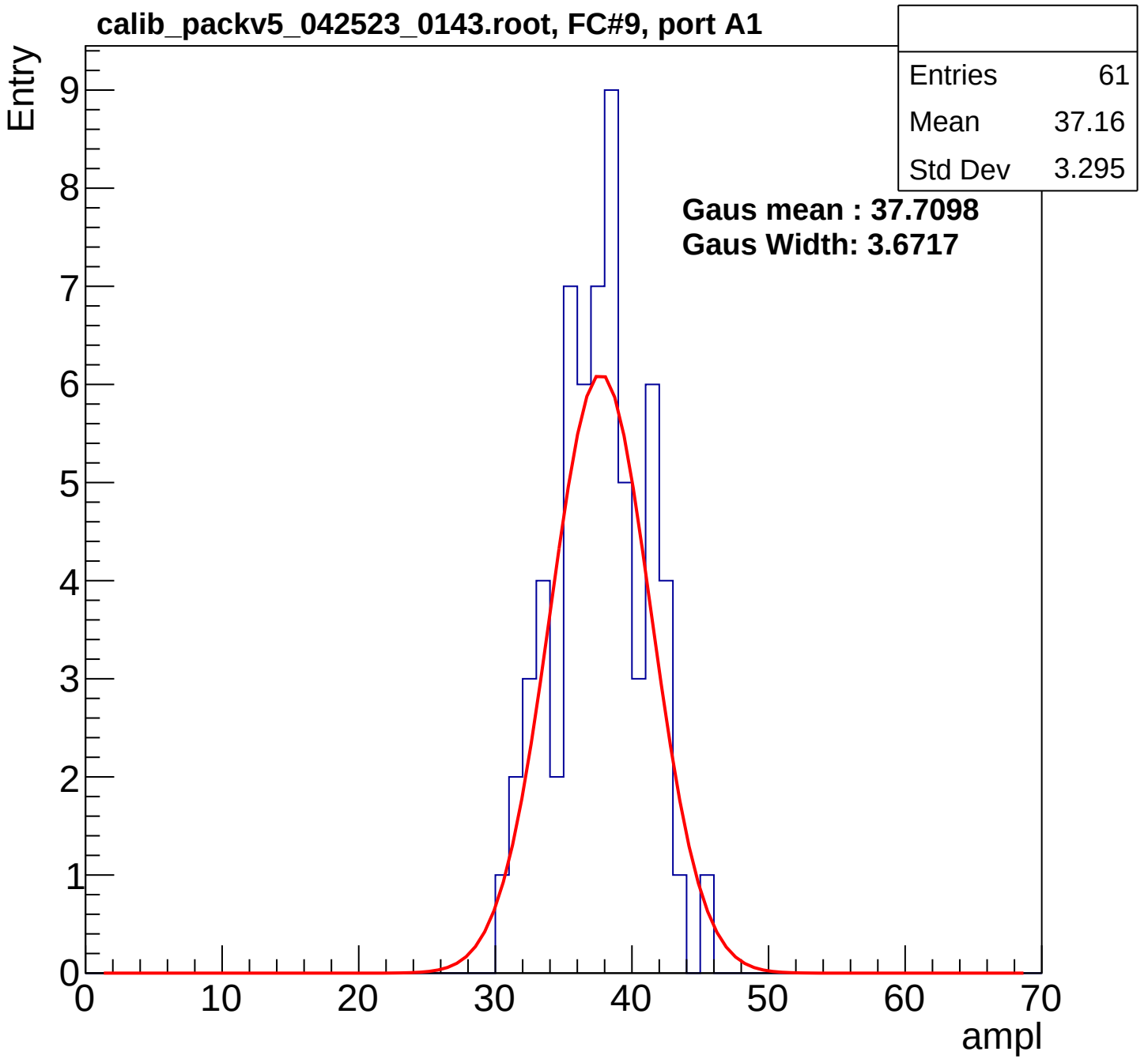

B0L001S, U3-ch125, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 67
Mean 55.37
Std Dev 3.648
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

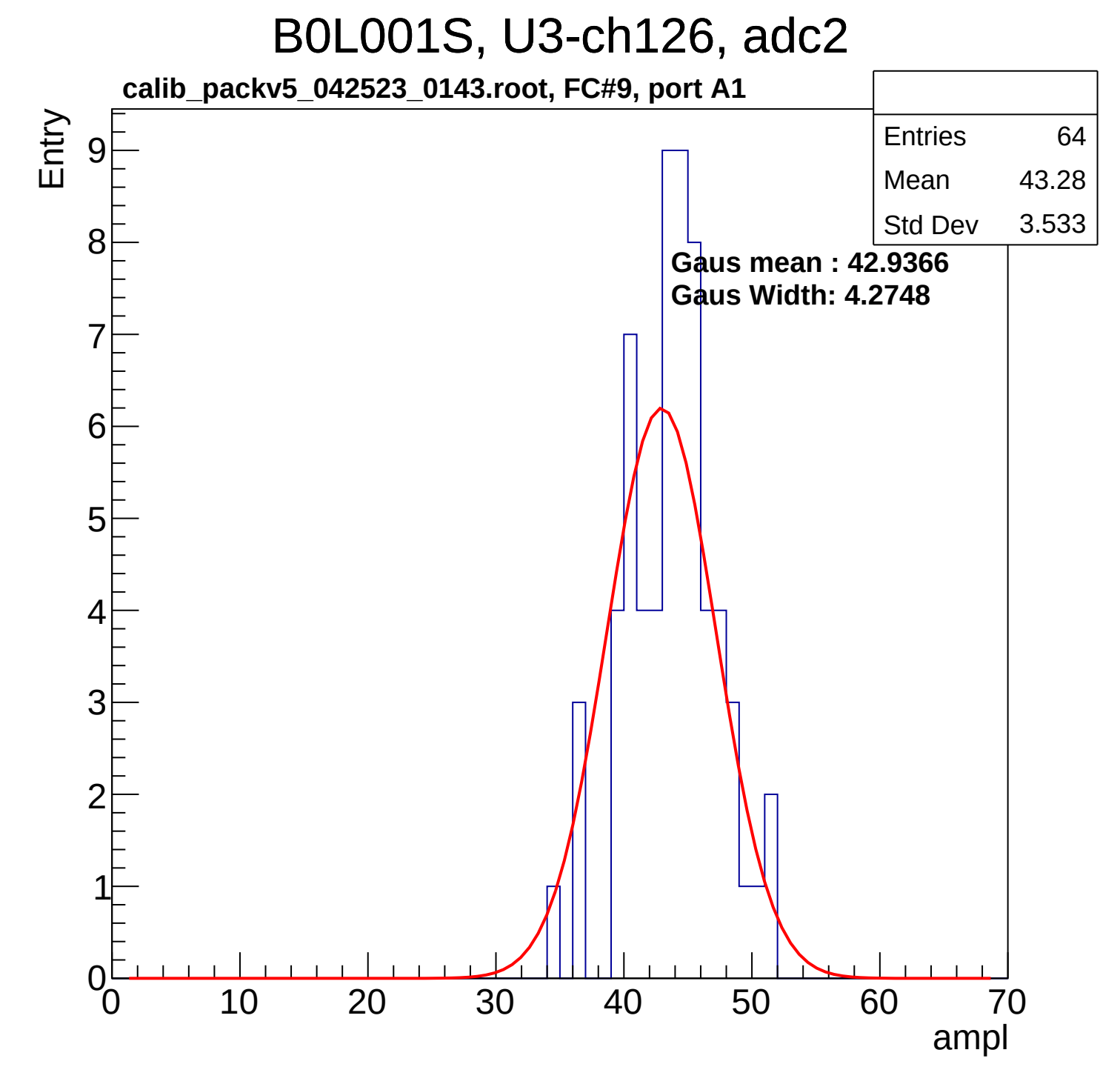

B0L001S, U3-ch125, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 42
Mean 57.88
Std Dev 9.48
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

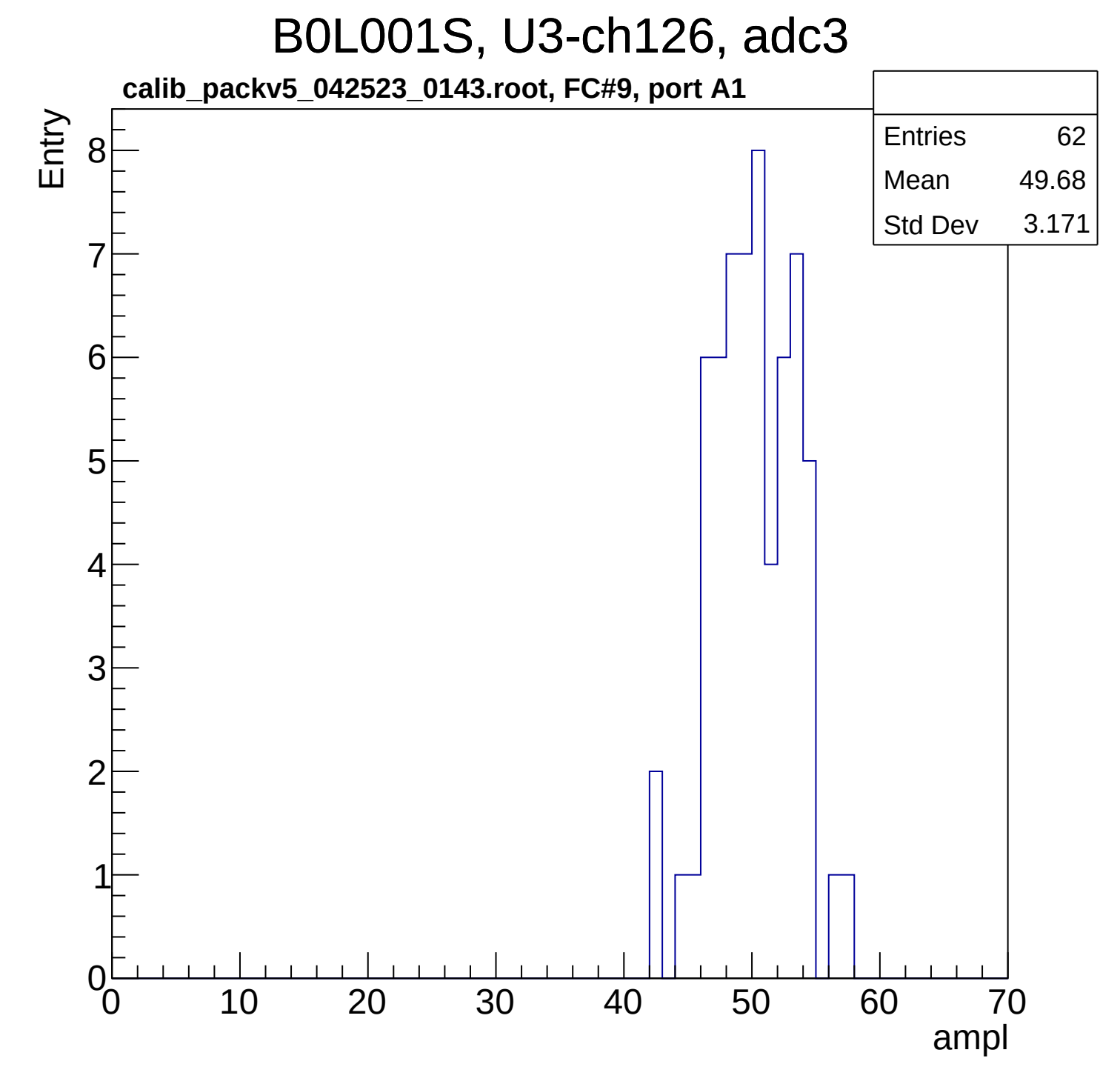

B0L001S, U3-ch125, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 8
Mean 61.75
Std Dev 1.199
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B0L001S, U3-ch125, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch126, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 70
Mean 29.66
Std Dev 6.274
Gaus mean : 30.5153
Gaus Width: 4.0772
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B0L001S, U3-ch126, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 61
Mean 37.16
Std Dev 3.295
Gaus mean : 37.7098
Gaus Width: 3.6717
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch126, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 43.28
Std Dev 3.533
Gaus mean : 42.9366
Gaus Width: 4.2748
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch126, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 62
Mean 49.68
Std Dev 3.171
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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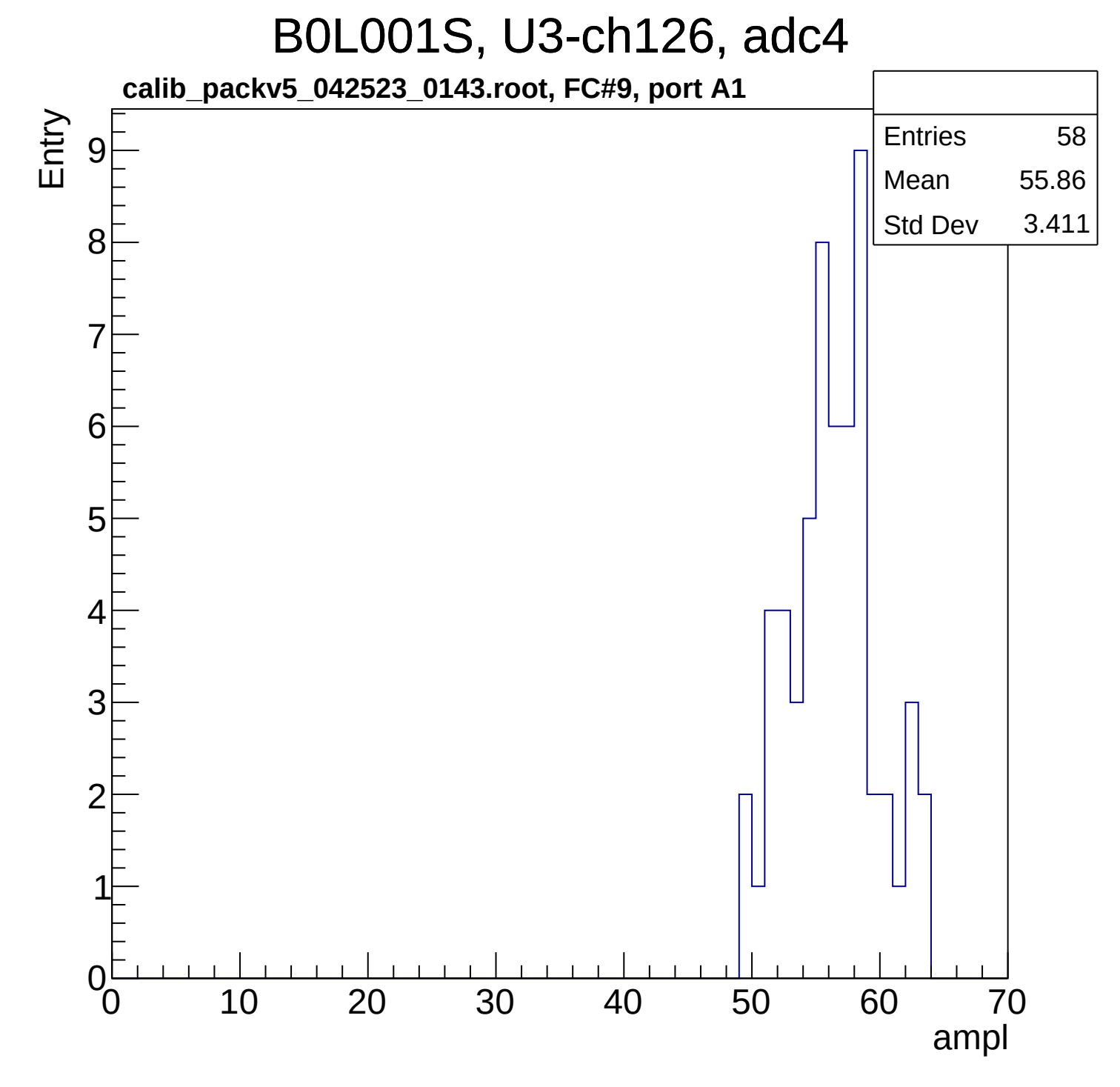
B0L001S, U3-ch126, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 58
Mean 55.86
Std Dev 3.411
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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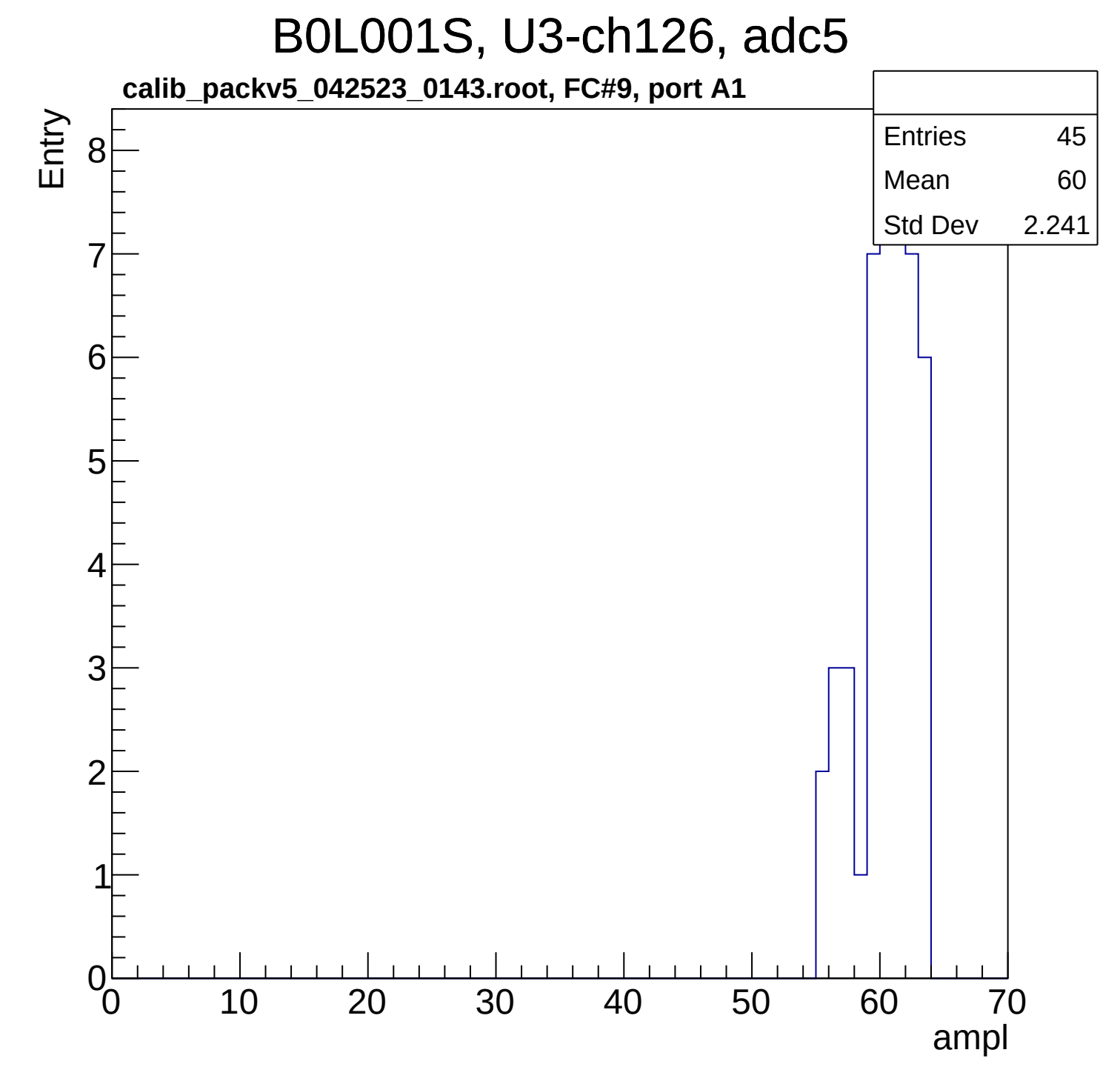
B0L001S, U3-ch126, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 45
Mean 60
Std Dev 2.241
Entry
ampl
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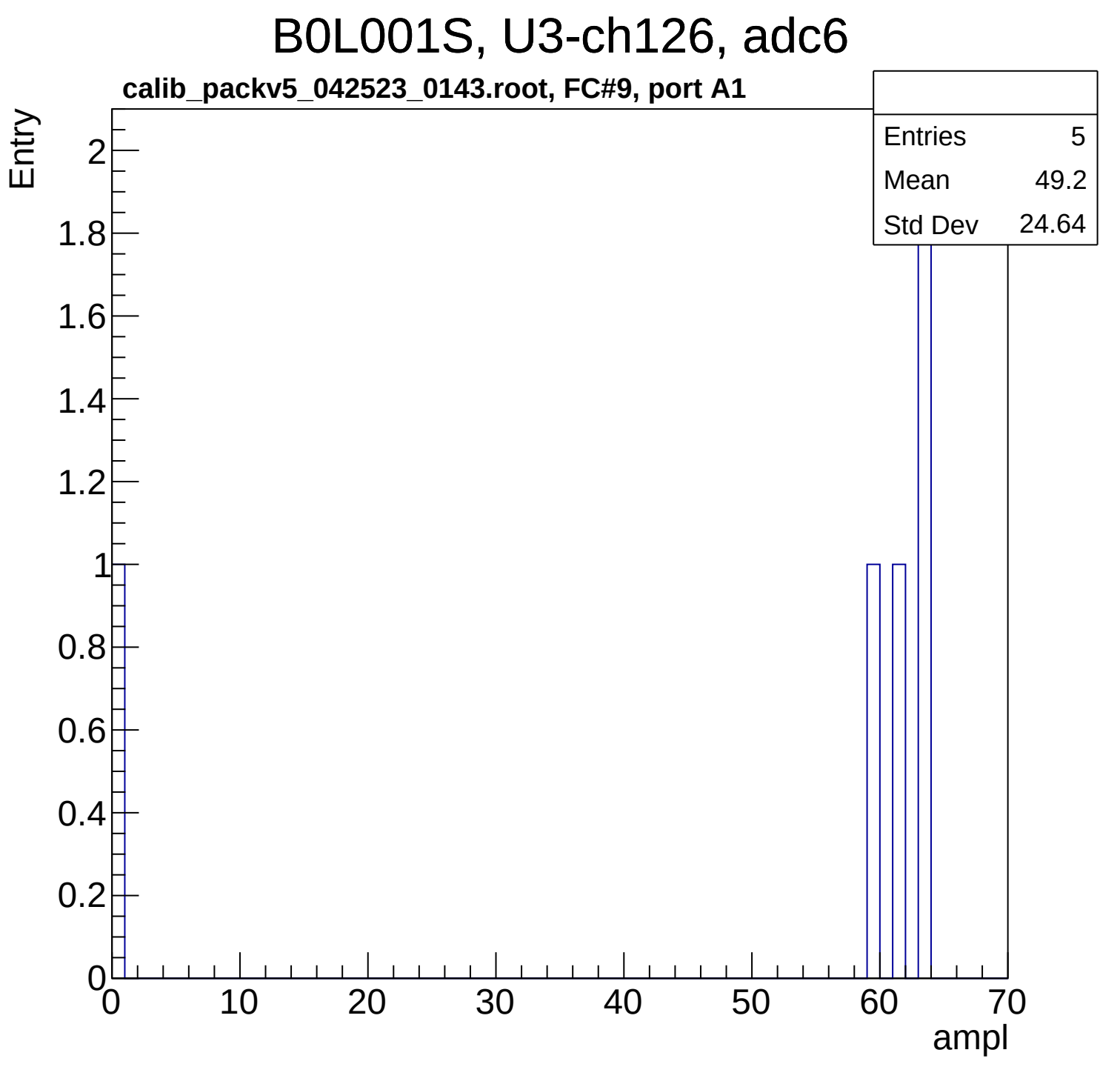
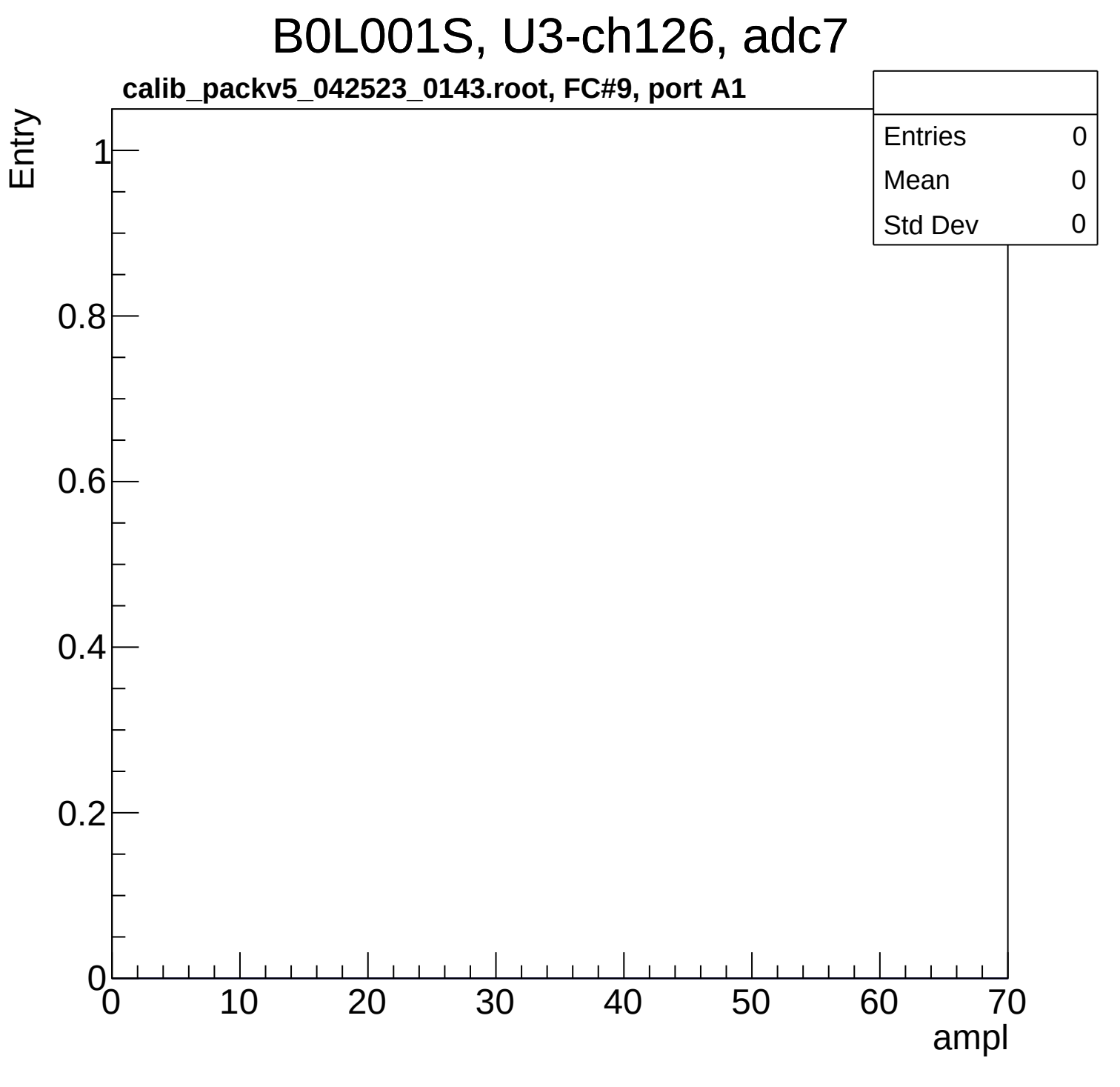
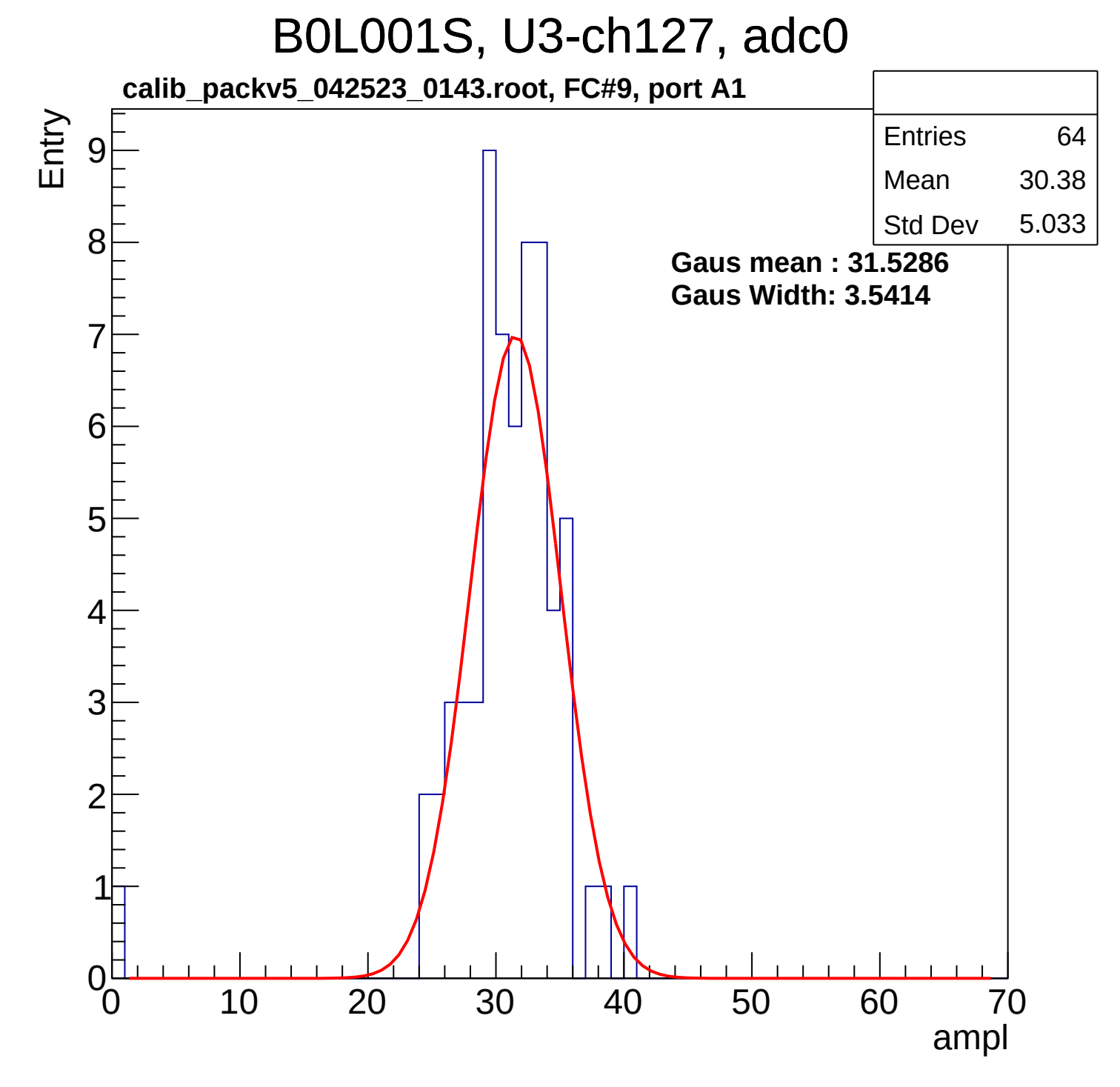
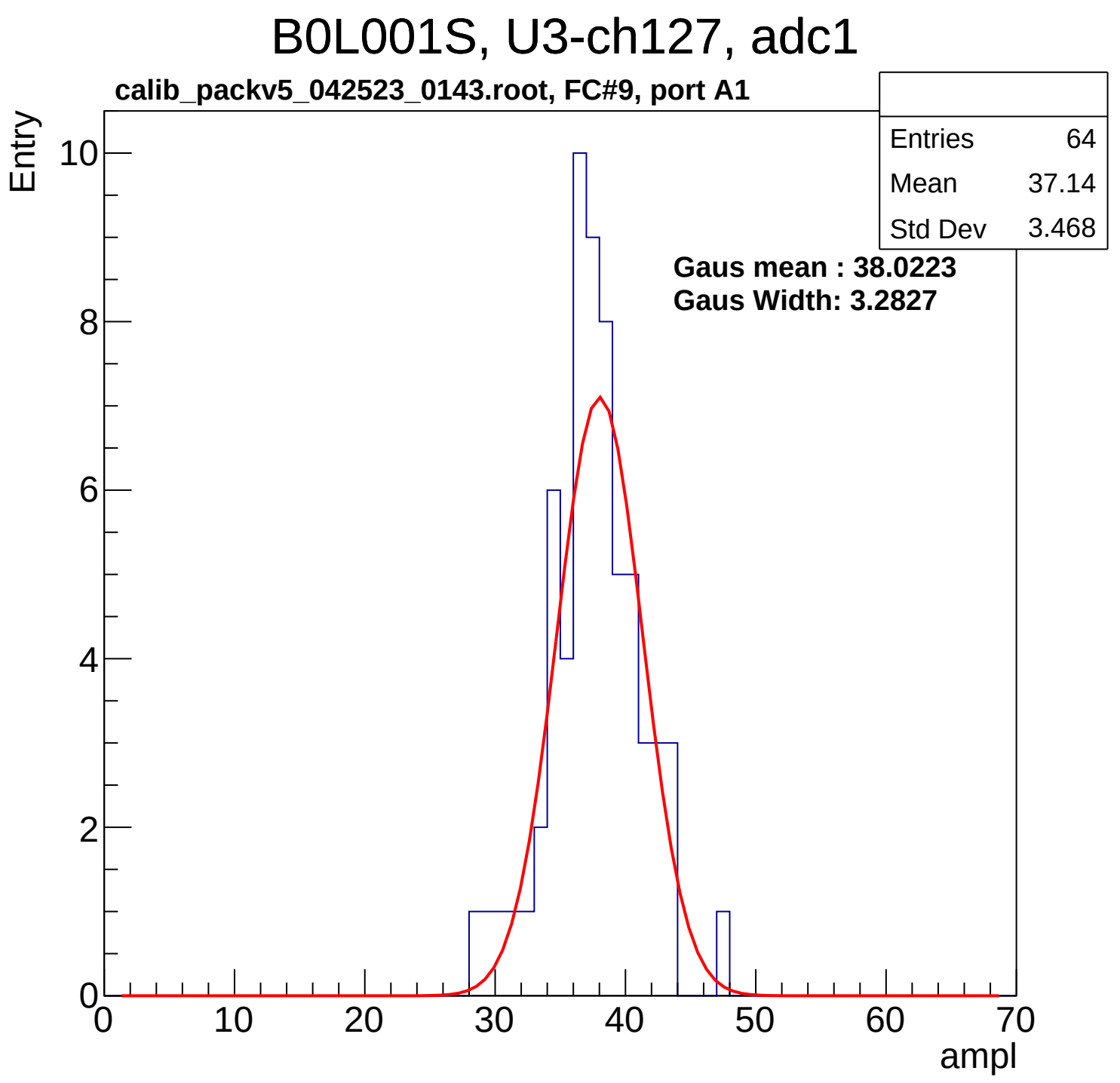
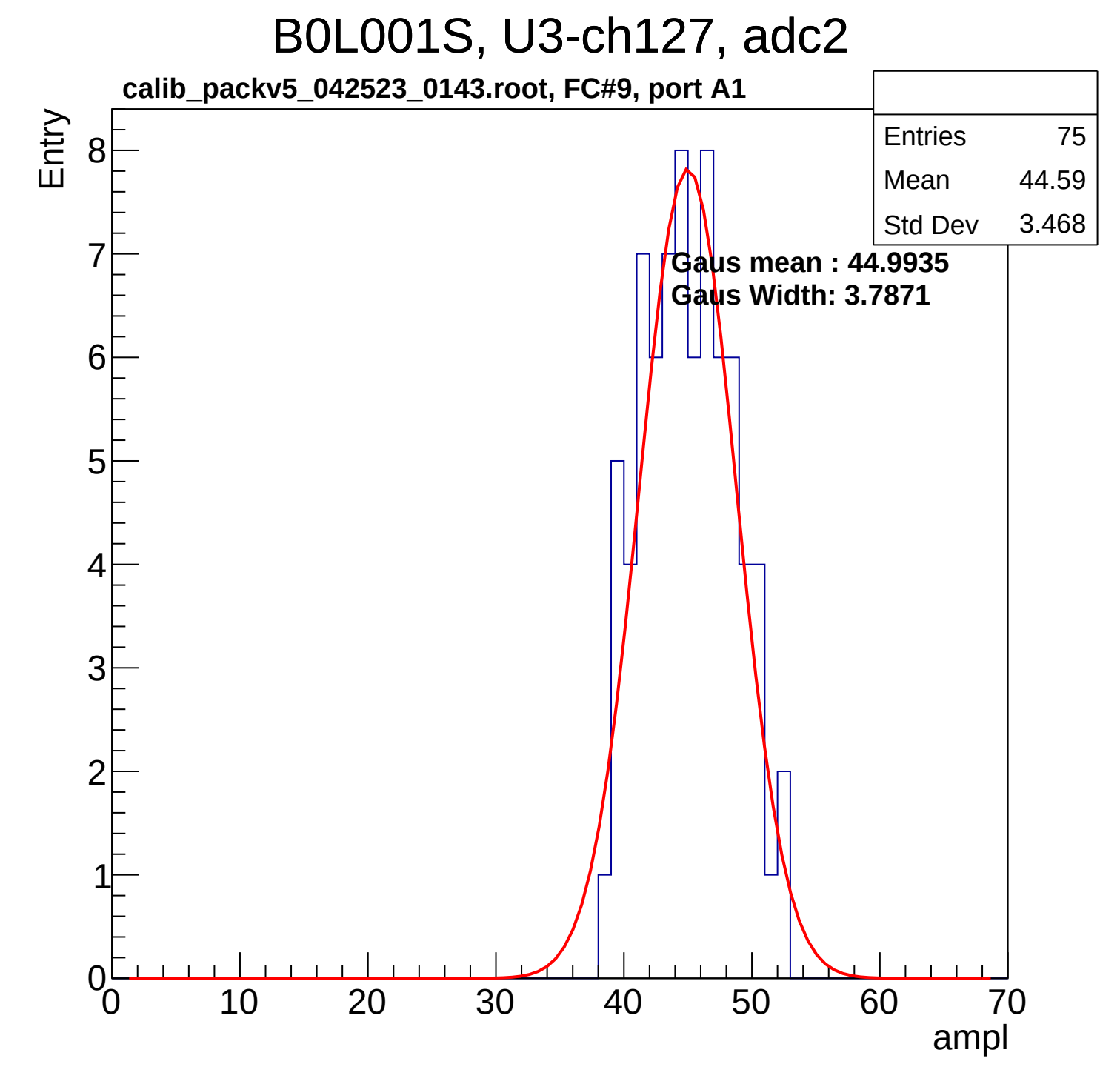
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

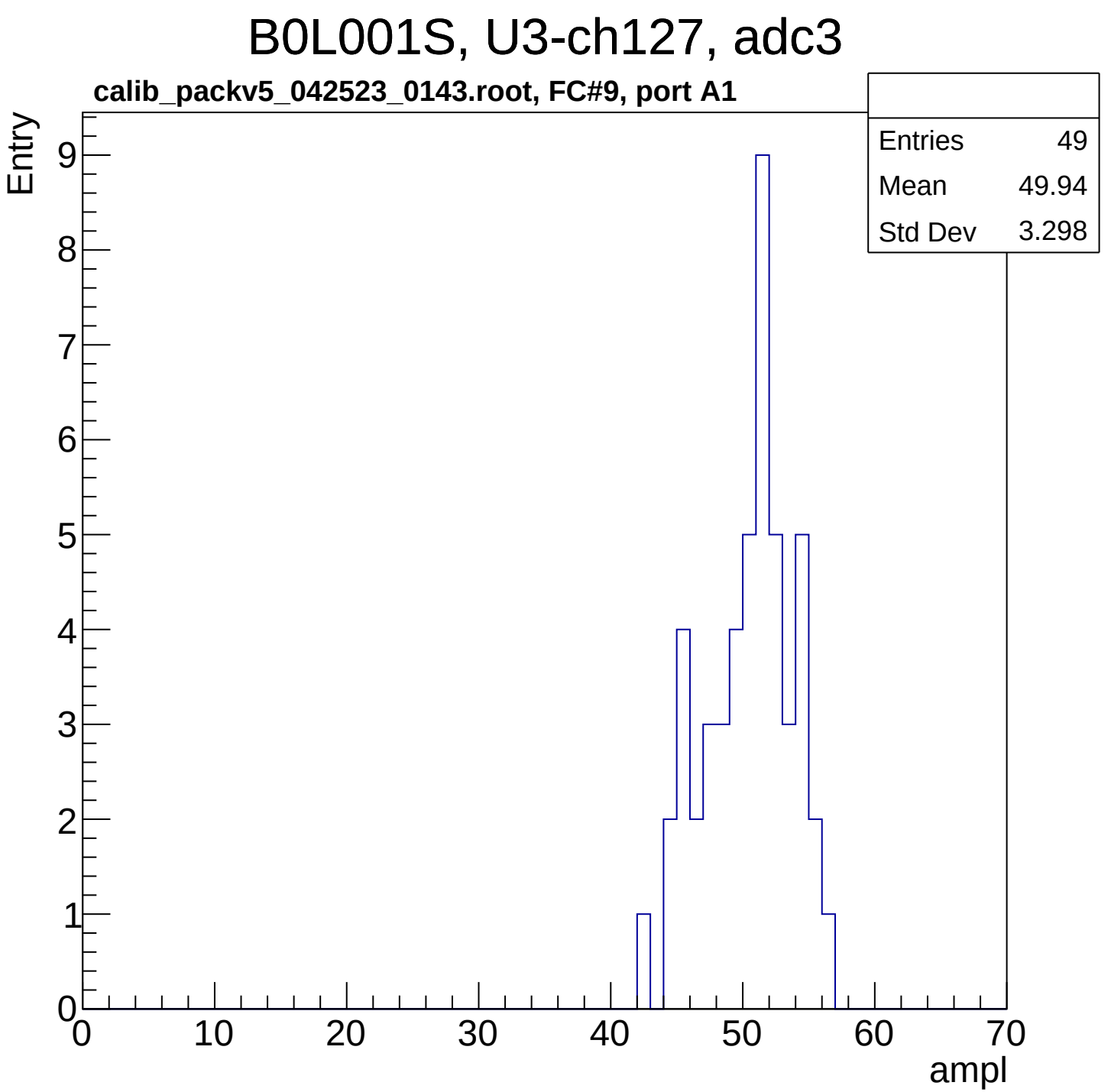

B0L001S, U3-ch126, adc6
calib_packv5_042523_0143.root, FC#9, port A1
Entries 5
Mean 49.2
Std Dev 24.64
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70

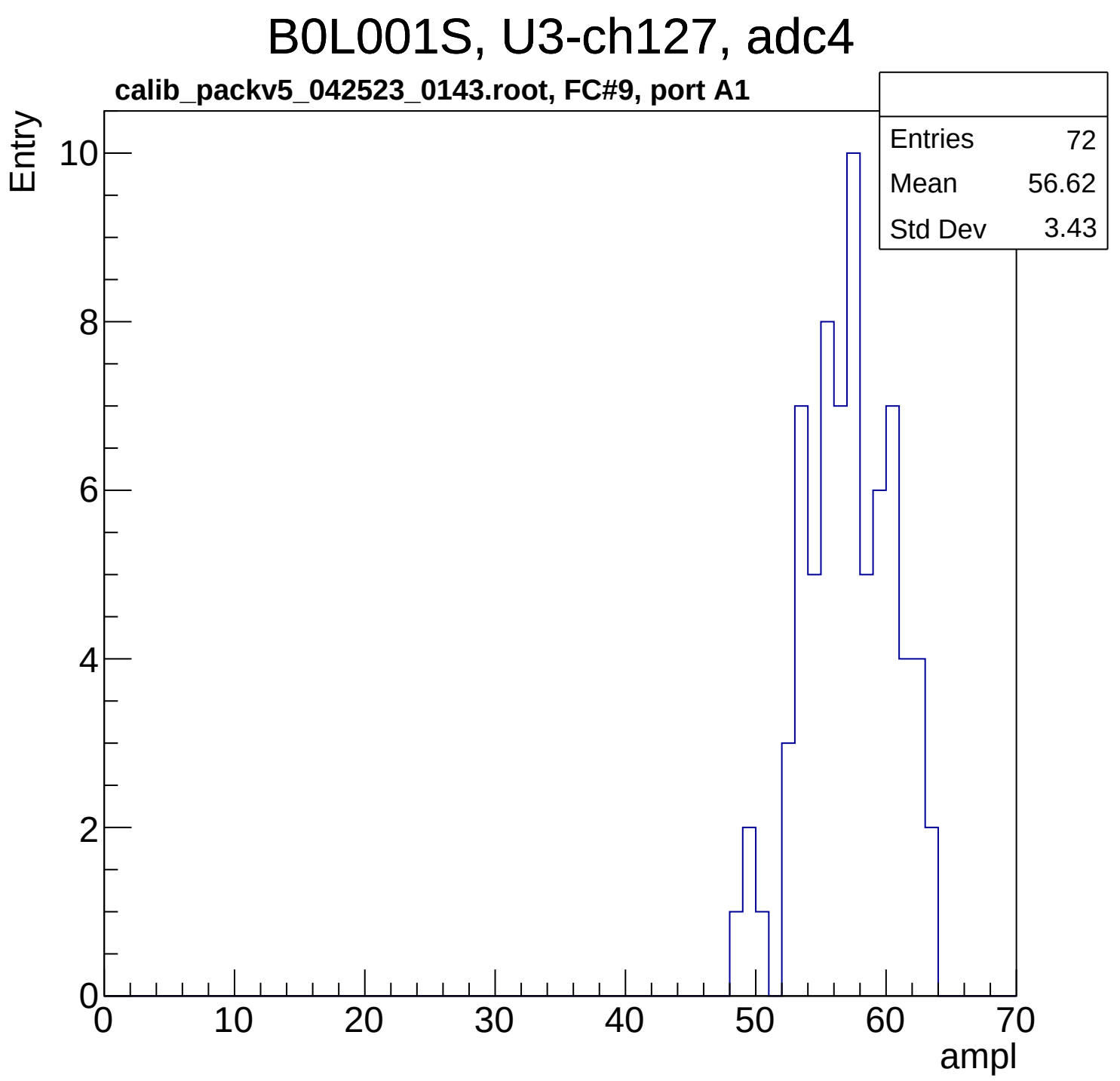

B0L001S, U3-ch126, adc7
calib_packv5_042523_0143.root, FC#9, port A1
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

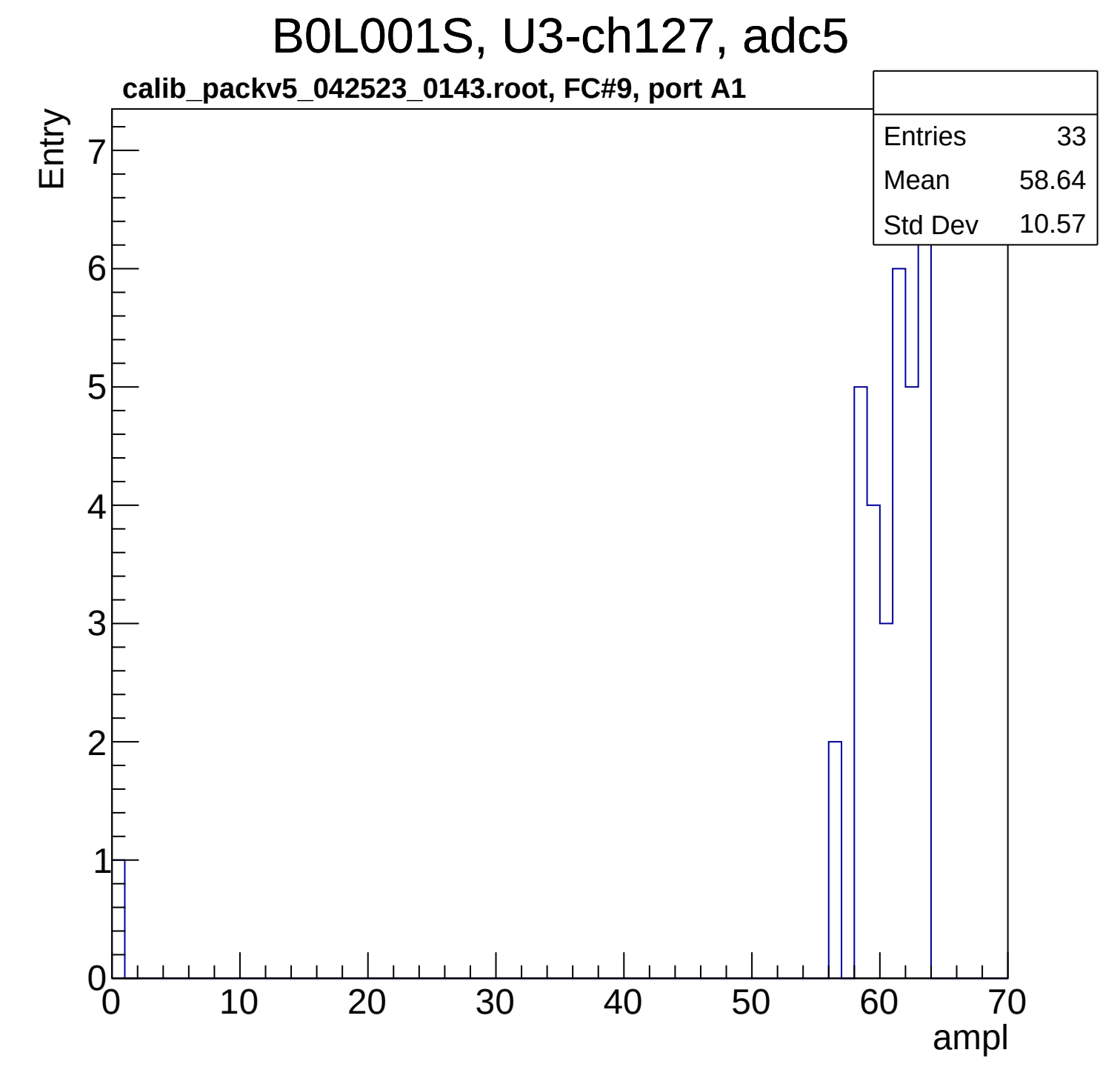

B0L001S, U3-ch127, adc0
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 30.38
Std Dev 5.033
Gaus mean : 31.5286
Gaus Width: 3.5414
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70

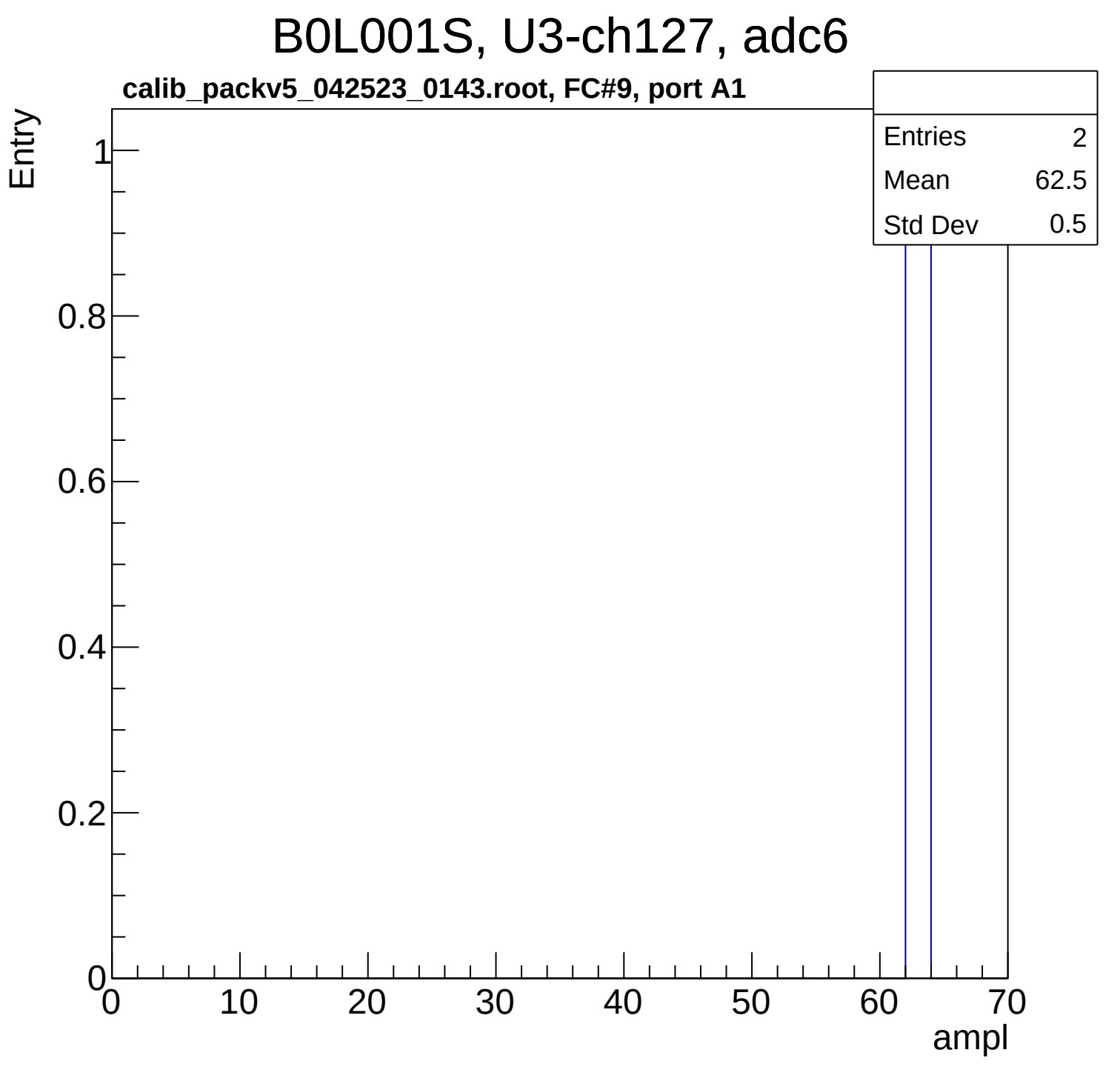

B0L001S, U3-ch127, adc1
calib_packv5_042523_0143.root, FC#9, port A1
Entries 64
Mean 37.14
Std Dev 3.468
Gaus mean : 38.0223
Gaus Width: 3.2827
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70

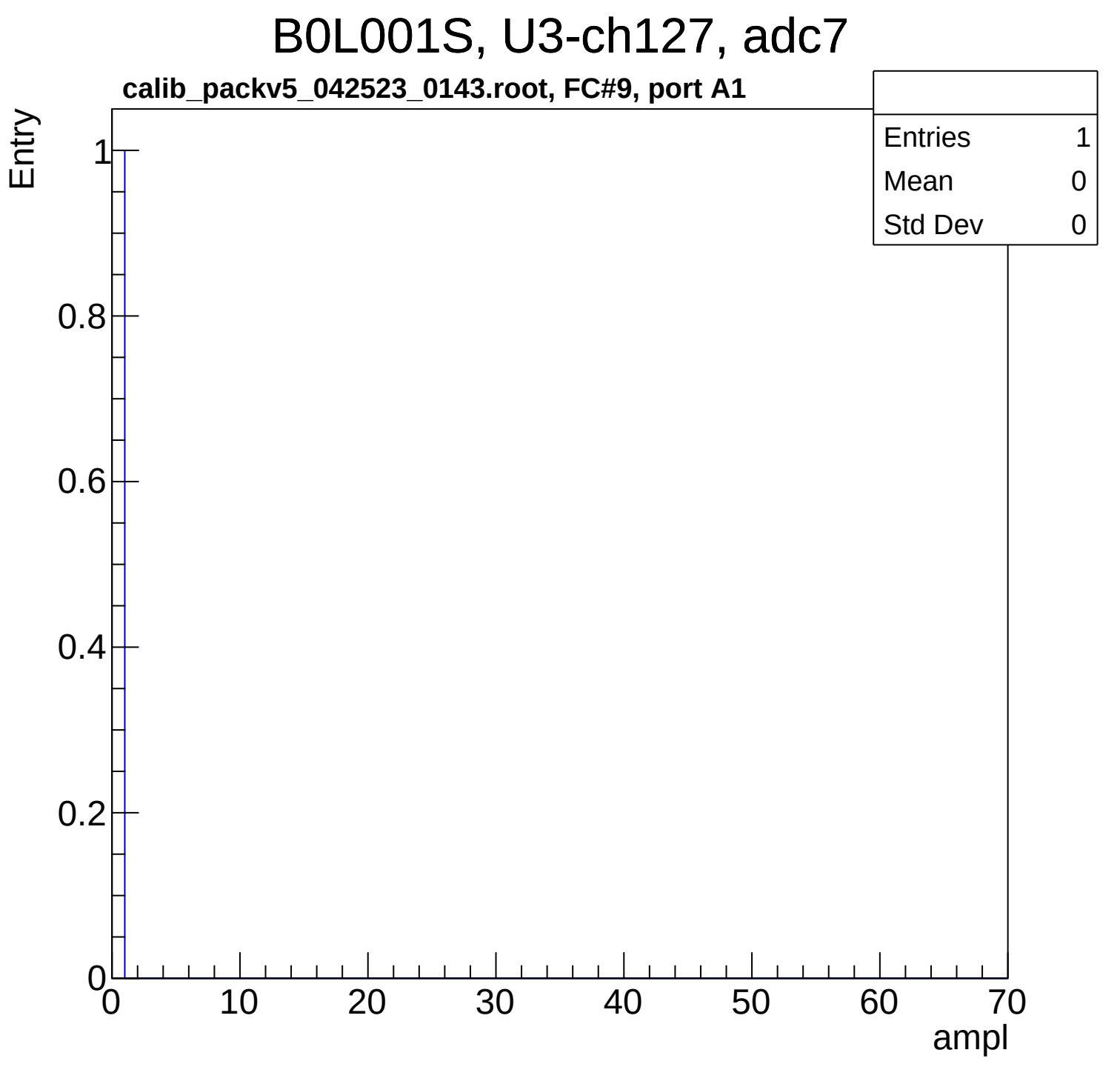

B0L001S, U3-ch127, adc2
calib_packv5_042523_0143.root, FC#9, port A1
Entries 75
Mean 44.59
Std Dev 3.468
Gaus mean : 44.9935
Gaus Width: 3.7871
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

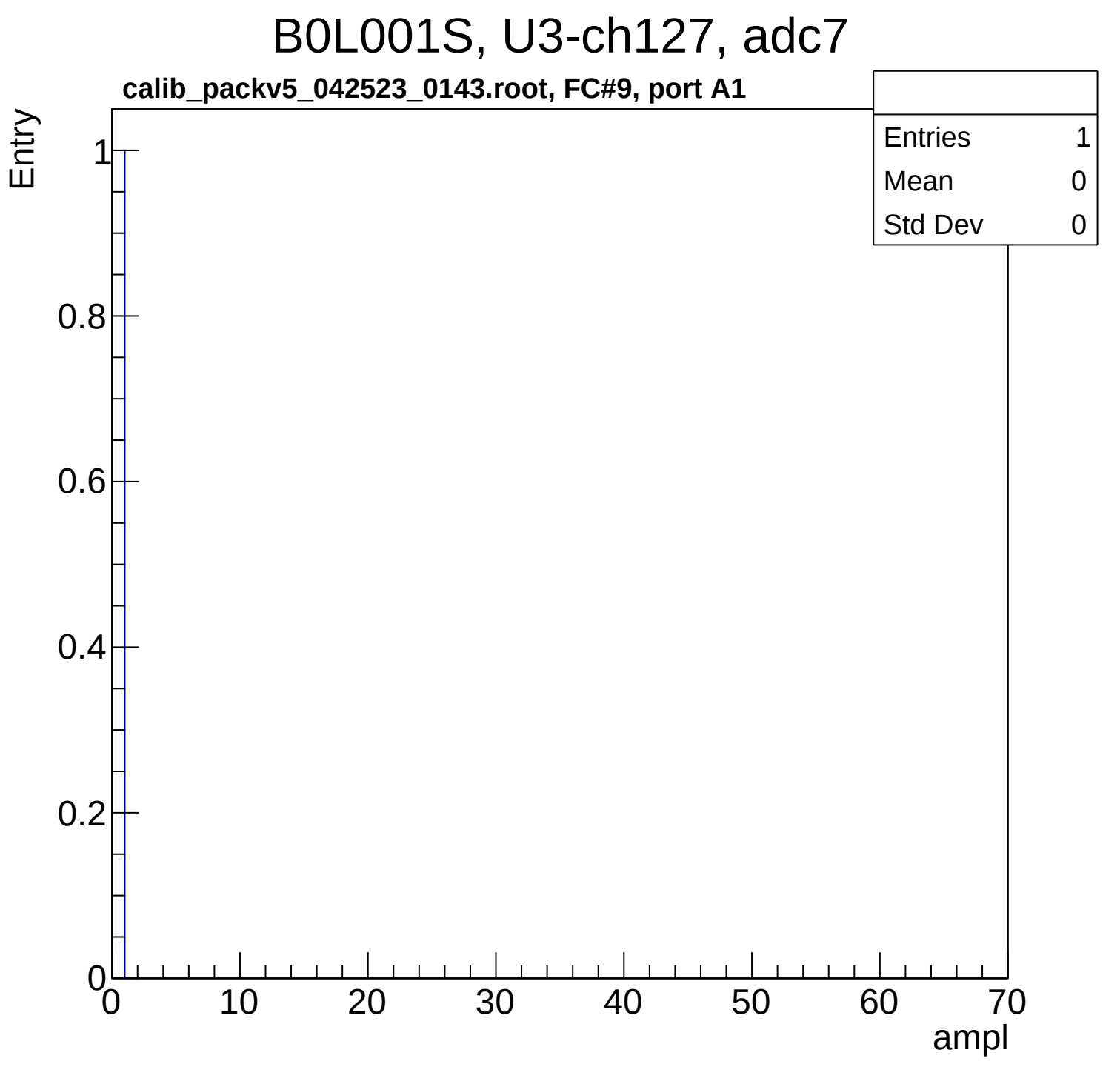

B0L001S, U3-ch127, adc3
calib_packv5_042523_0143.root, FC#9, port A1
Entries 49
Mean 49.94
Std Dev 3.298
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B0L001S, U3-ch127, adc4
calib_packv5_042523_0143.root, FC#9, port A1
Entries 72
Mean 56.62
Std Dev 3.43
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B0L001S, U3-ch127, adc5
calib_packv5_042523_0143.root, FC#9, port A1
Entries 33
Mean 58.64
Std Dev 10.57
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B0L001S, U3-ch127, adc6
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch127, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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


B0L001S, U3-ch127, adc7
calib_packv5_042523_0143.root, FC#9, port A1
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