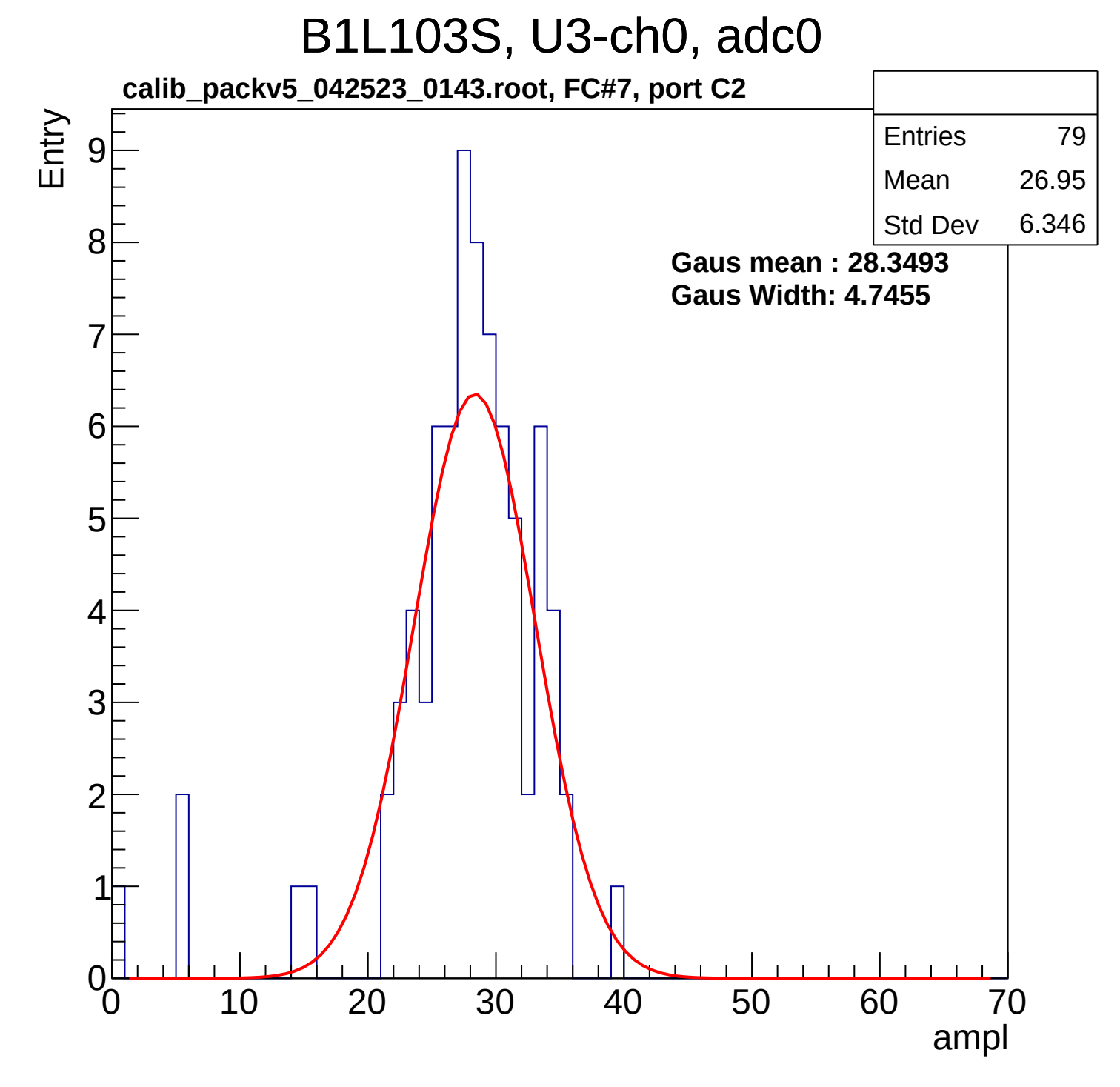
B1L103S, U3-ch0, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 26.95
Std Dev 6.346
Gaus mean : 28.3493
Gaus Width: 4.7455
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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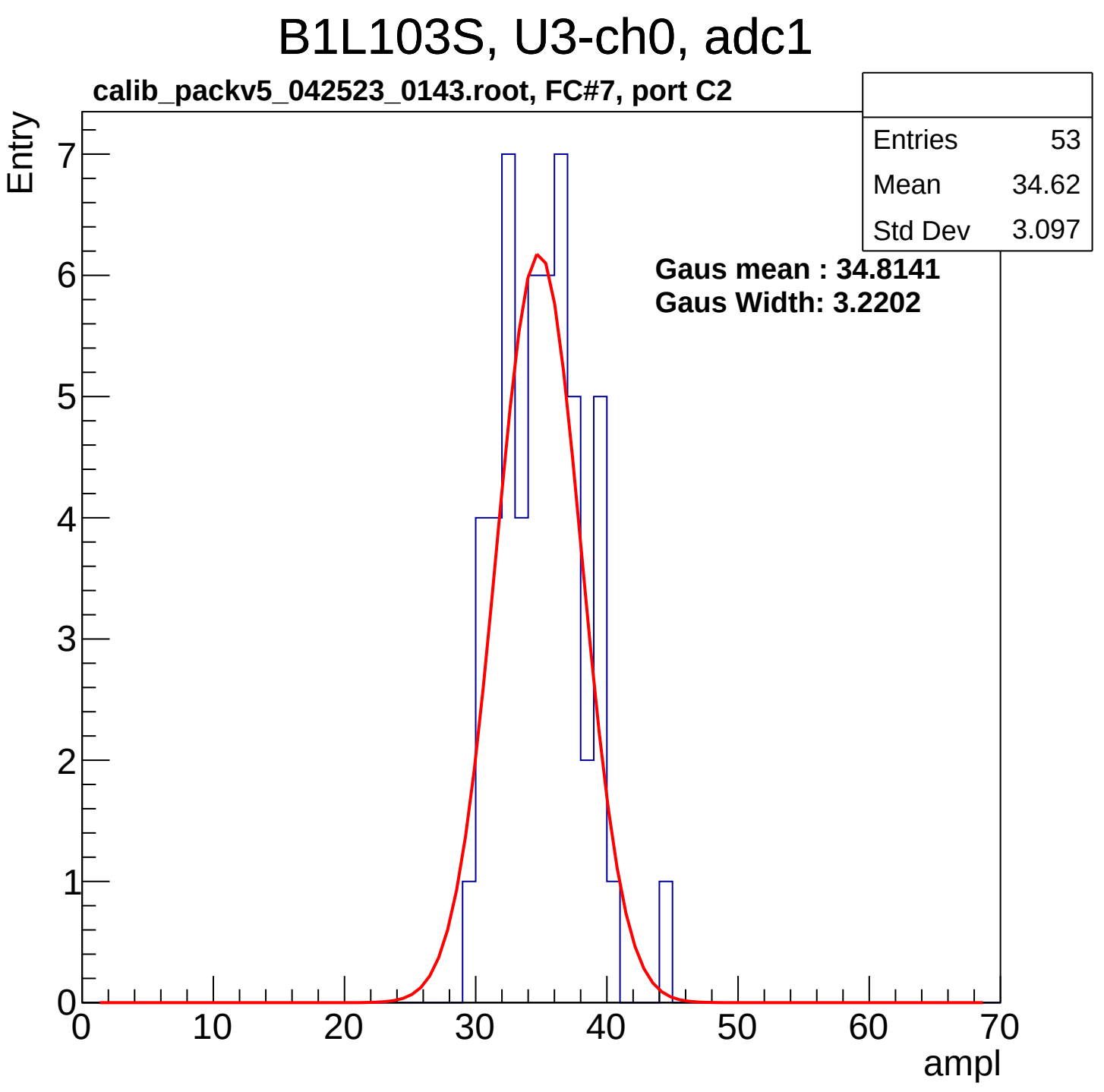
B1L103S, U3-ch0, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 34.62
Std Dev 3.097
Gaus mean : 34.8141
Gaus Width: 3.2202
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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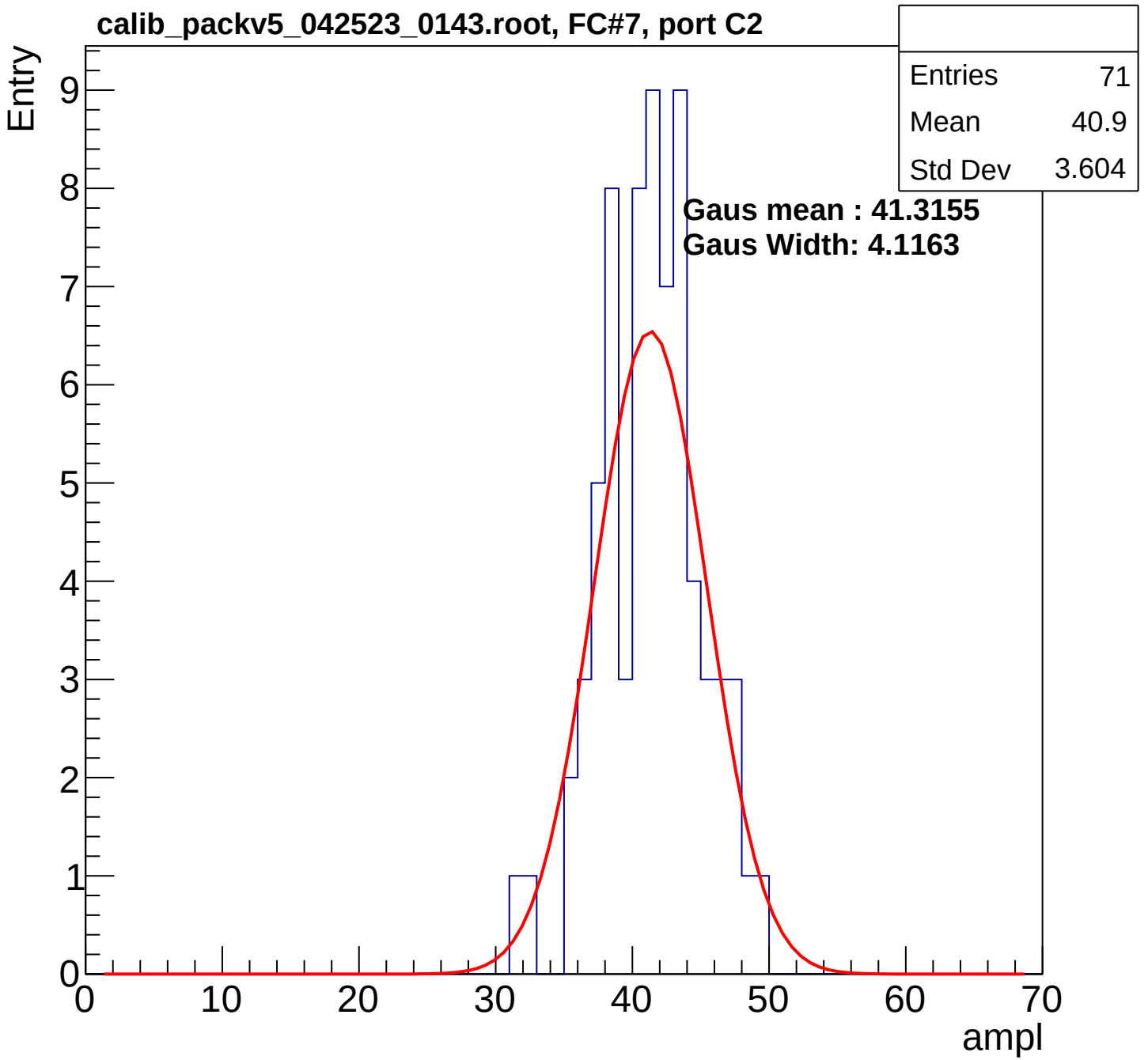
B1L103S, U3-ch0, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 40.9
Std Dev 3.604
Gaus mean : 41.3155
Gaus Width: 4.1163
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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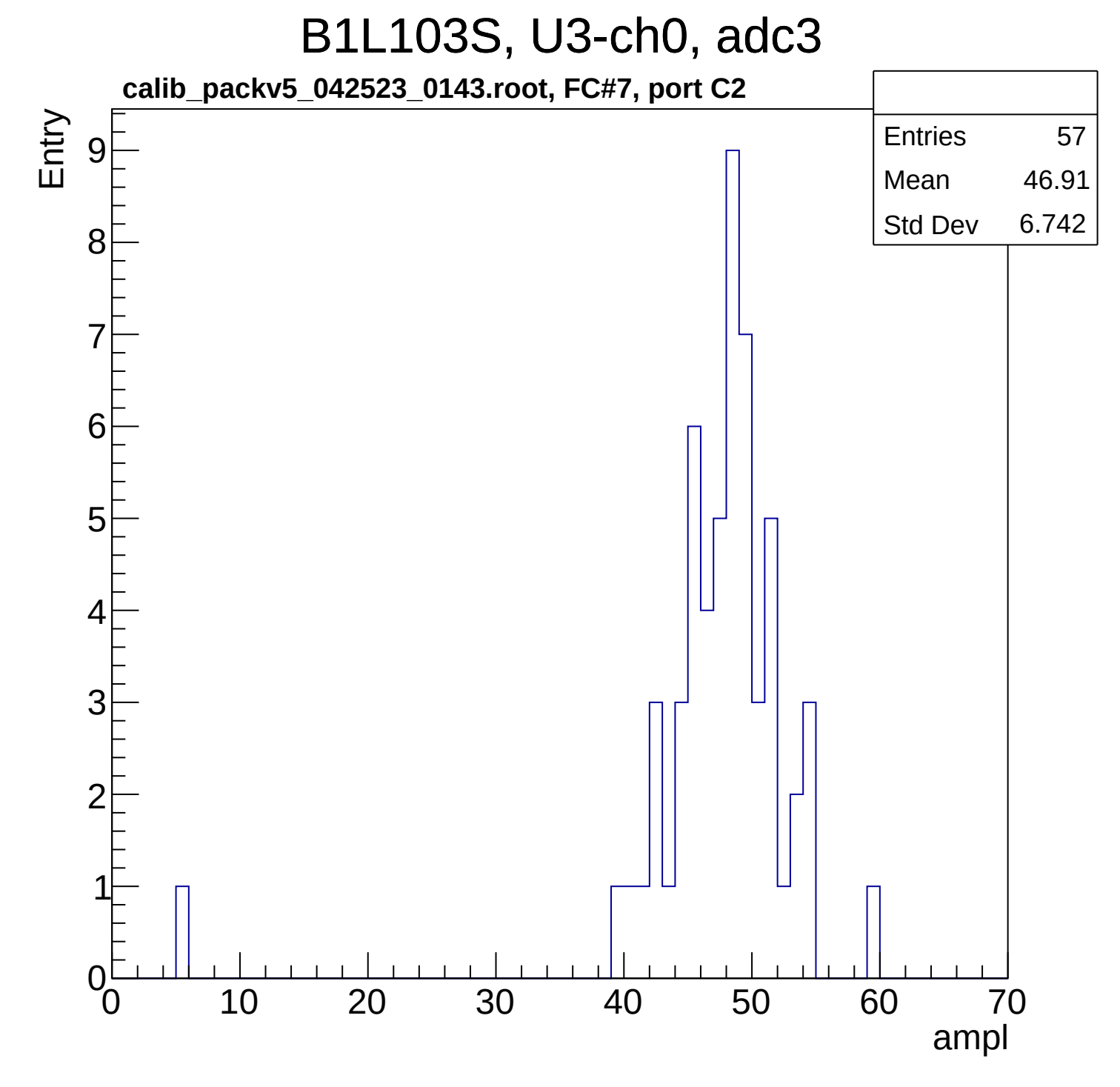
B1L103S, U3-ch0, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 46.91
Std Dev 6.742
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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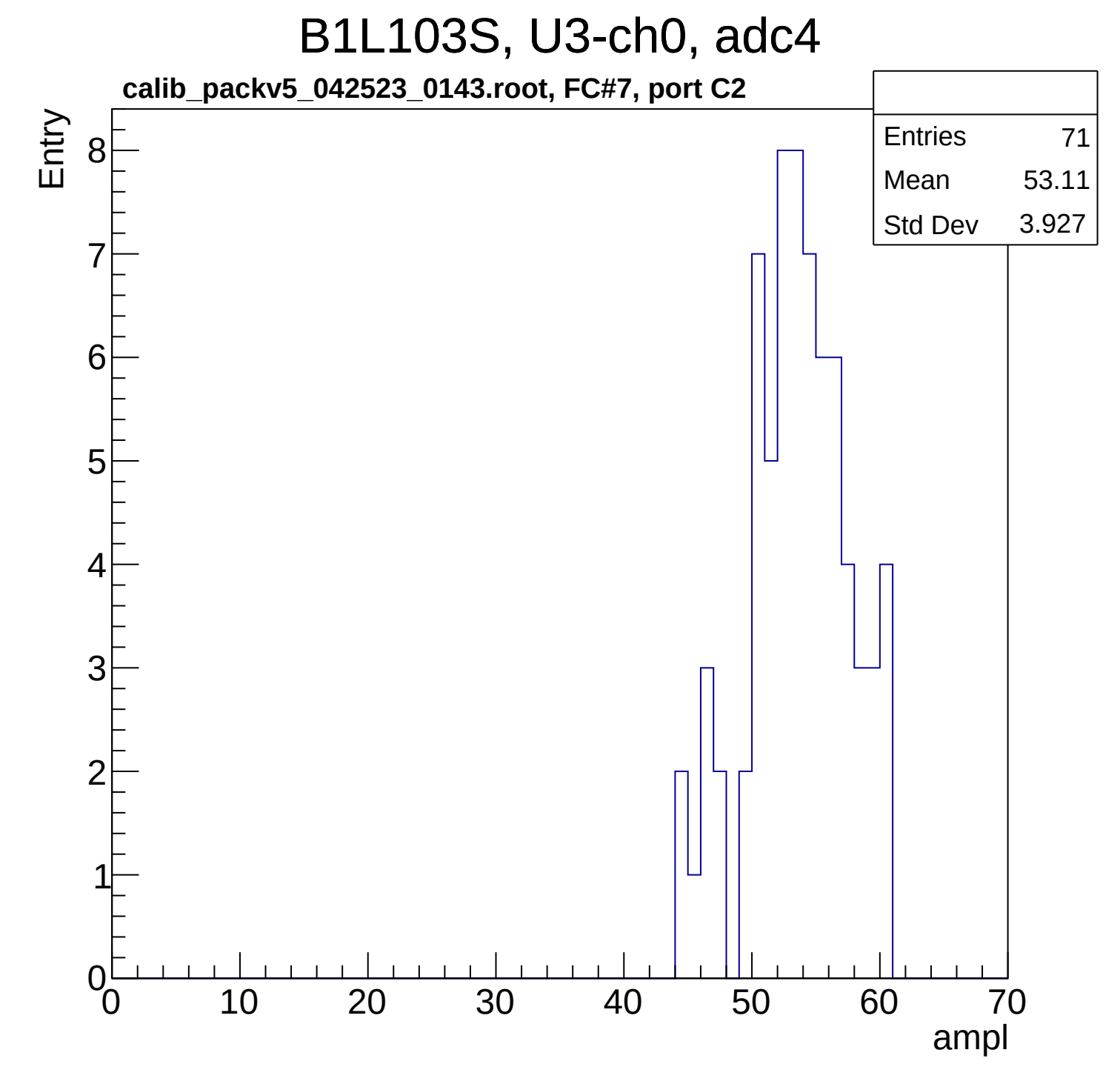
B1L103S, U3-ch0, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 53.11
Std Dev 3.927
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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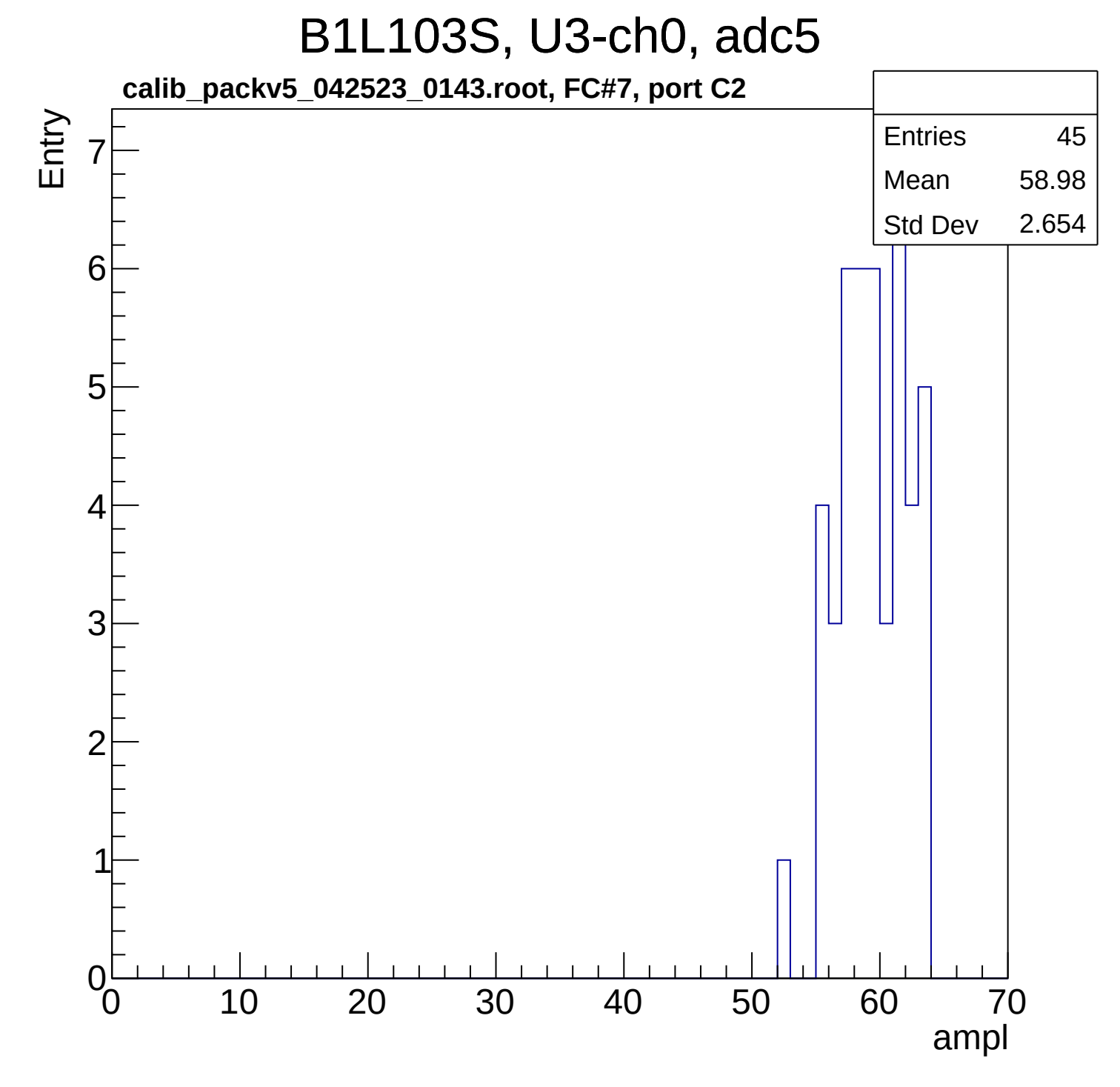
B1L103S, U3-ch0, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 58.98
Std Dev 2.654
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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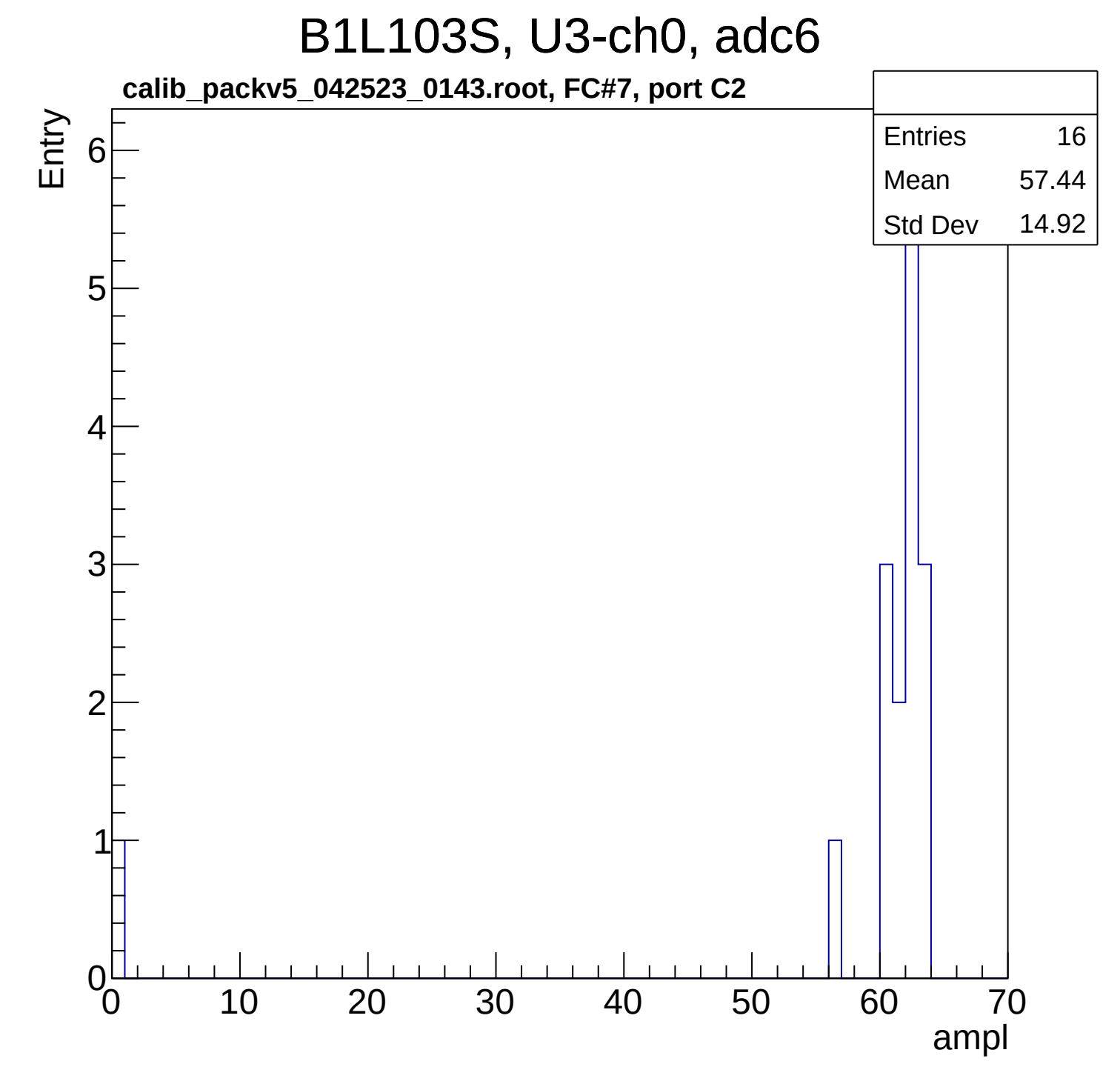
B1L103S, U3-ch0, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 57.44
Std Dev 14.92
Entry
ampl
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2
3
4
5
6
0
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20
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40
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60
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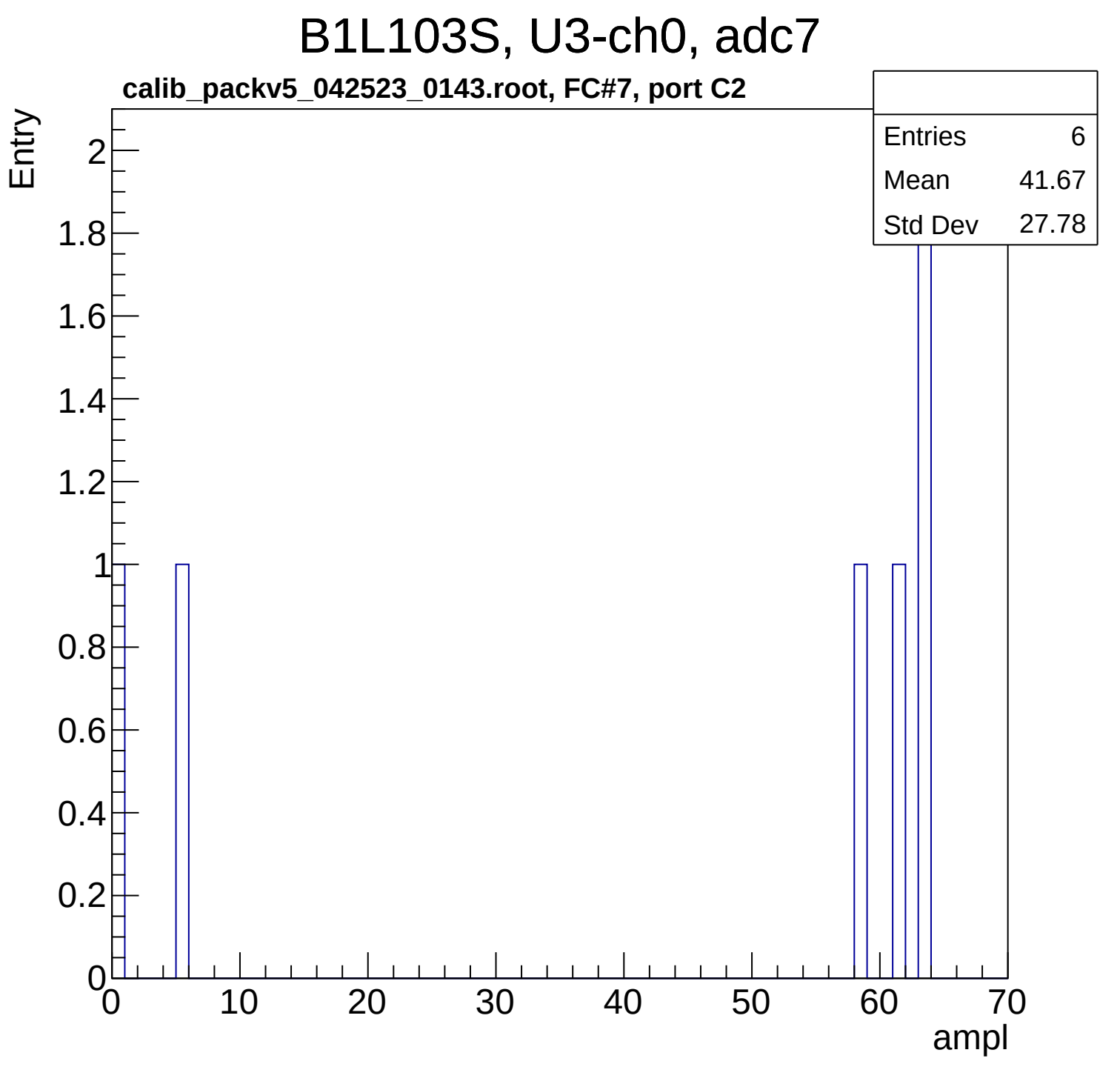
B1L103S, U3-ch0, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 41.67
Std Dev 27.78
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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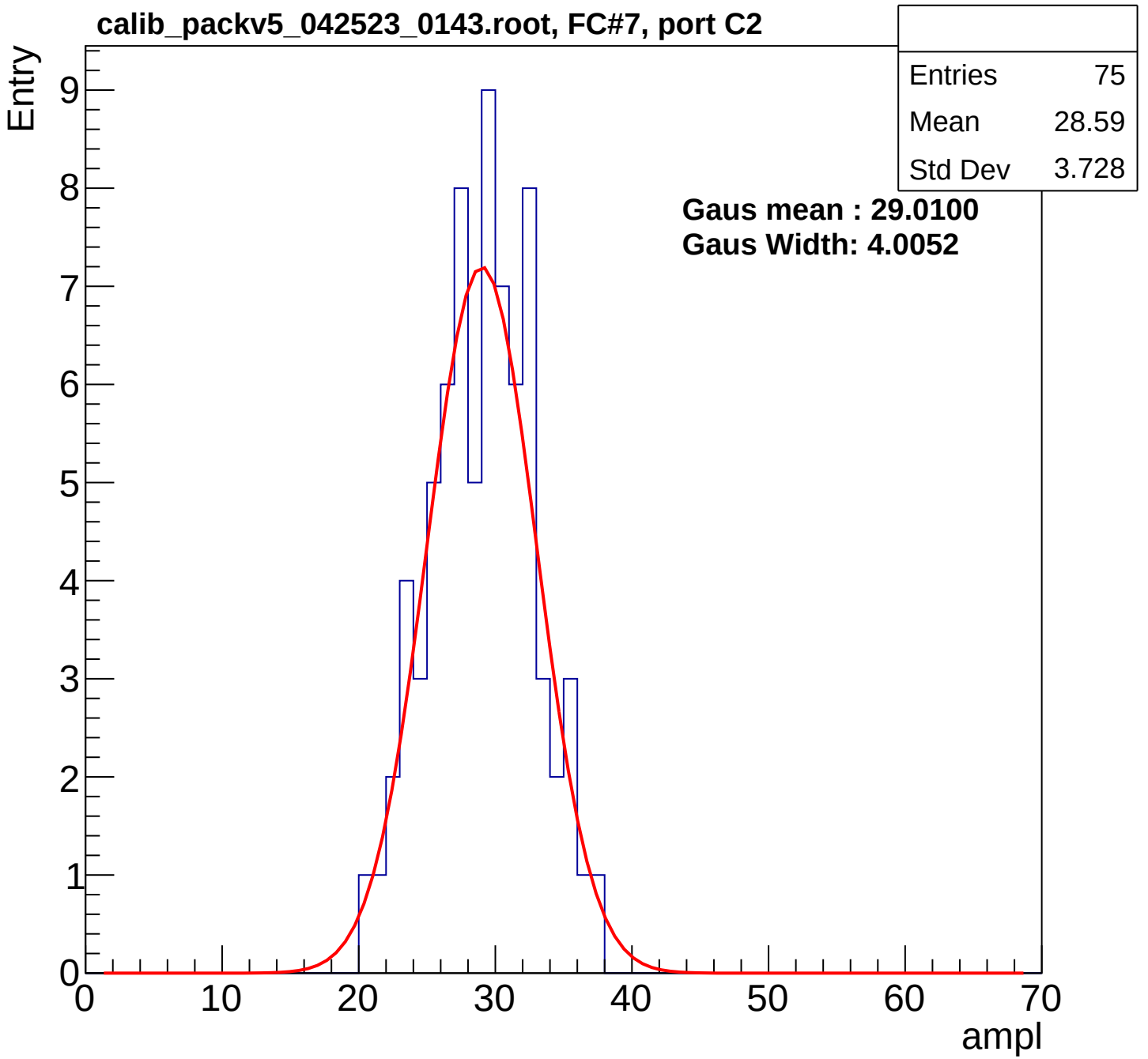
B1L103S, U3-ch1, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 28.59
Std Dev 3.728
Gaus mean : 29.0100
Gaus Width: 4.0052
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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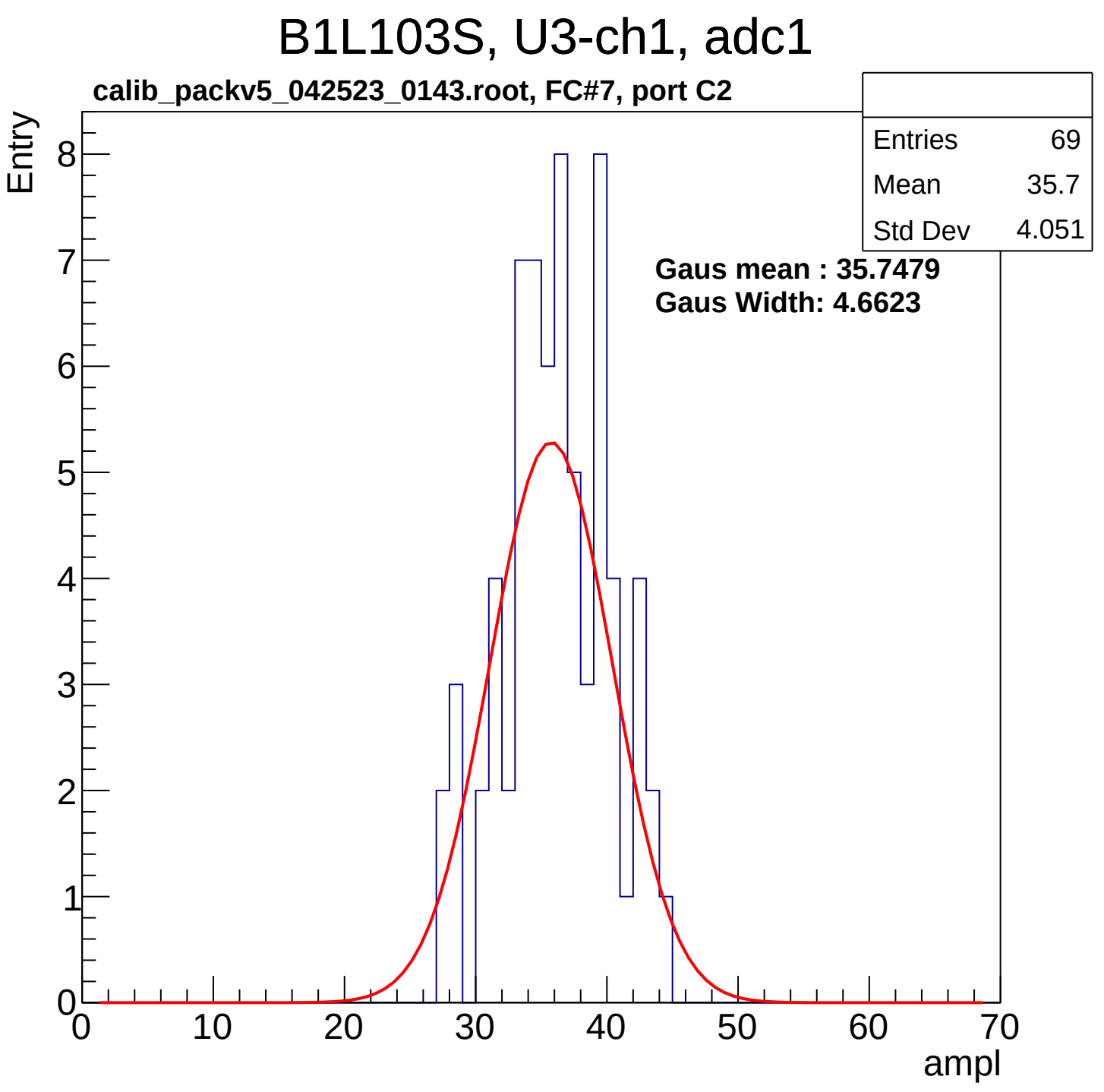
B1L103S, U3-ch1, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 35.7
Std Dev 4.051
Gaus mean : 35.7479
Gaus Width: 4.6623
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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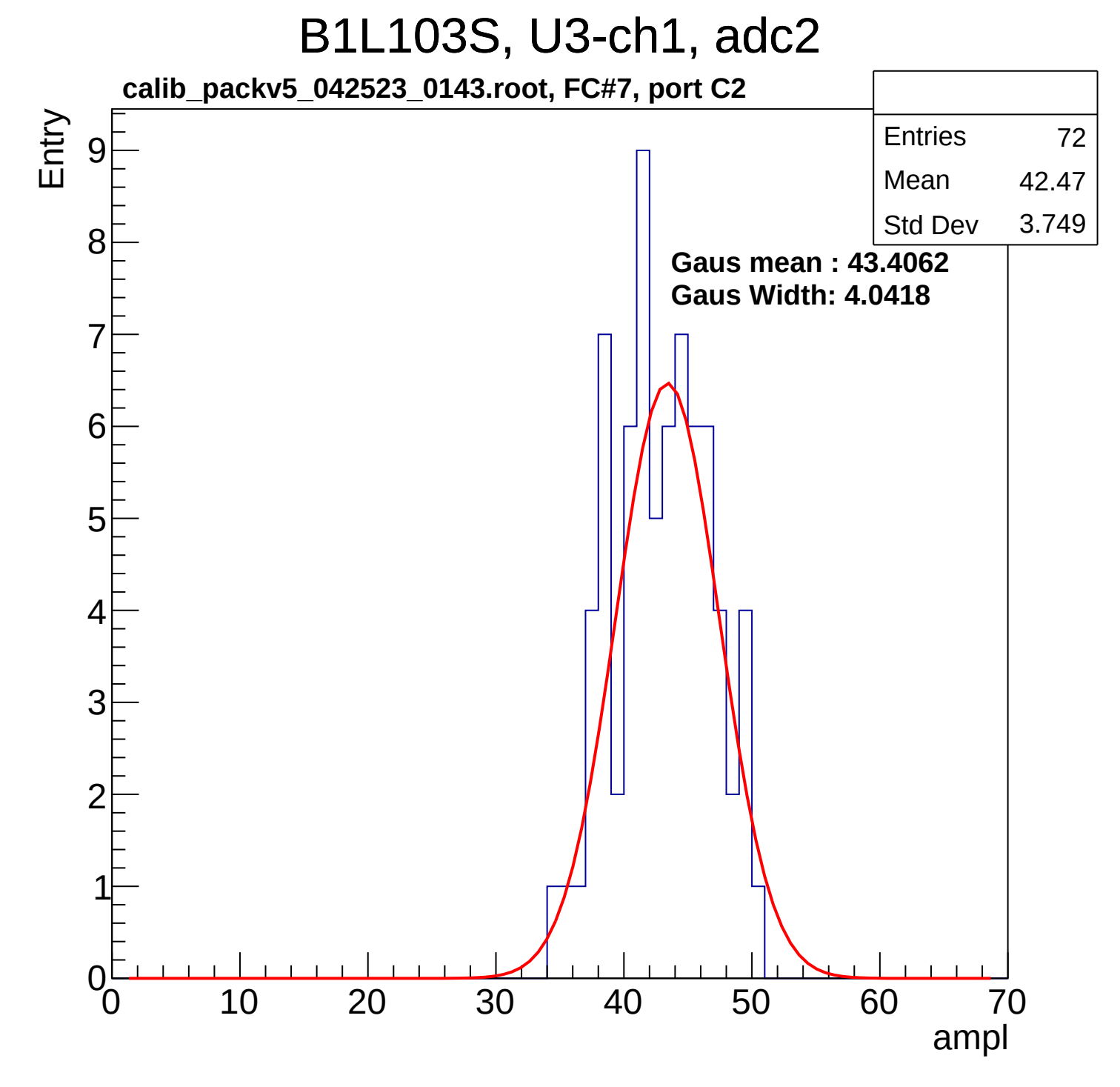
B1L103S, U3-ch1, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 42.47
Std Dev 3.749
Gaus mean : 43.4062
Gaus Width: 4.0418
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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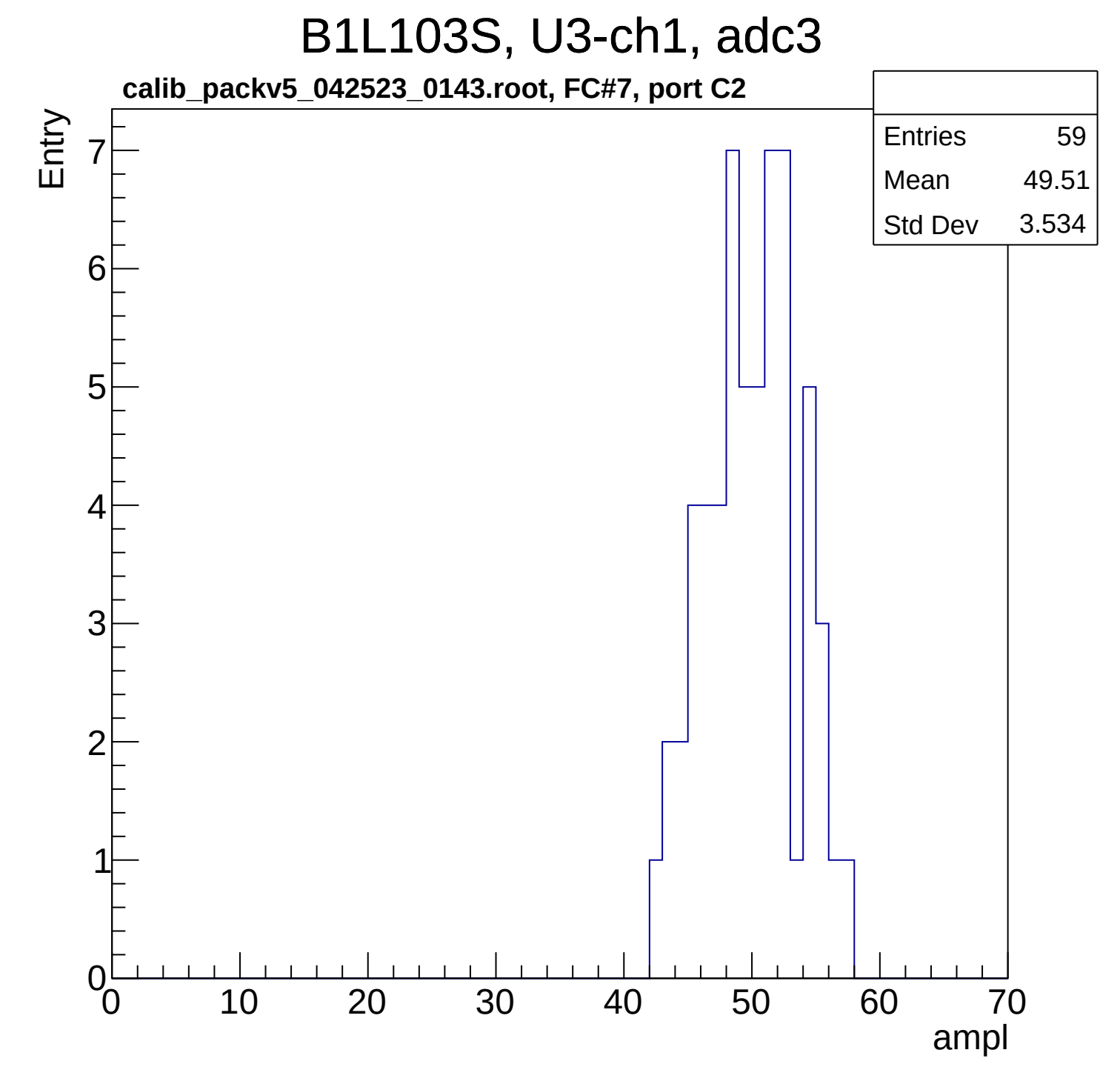
B1L103S, U3-ch1, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 49.51
Std Dev 3.534
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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60
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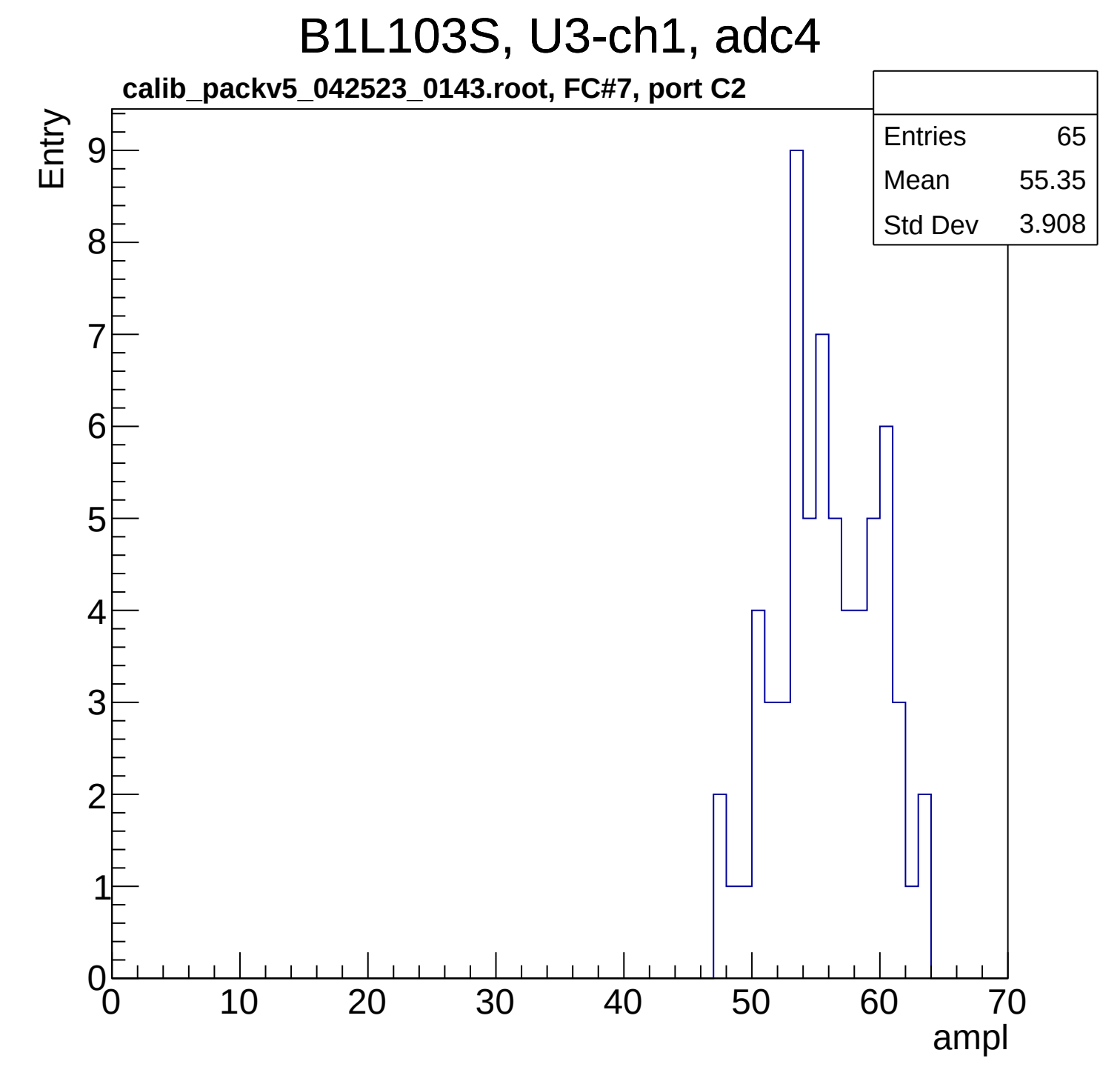
B1L103S, U3-ch1, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 55.35
Std Dev 3.908
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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40
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60
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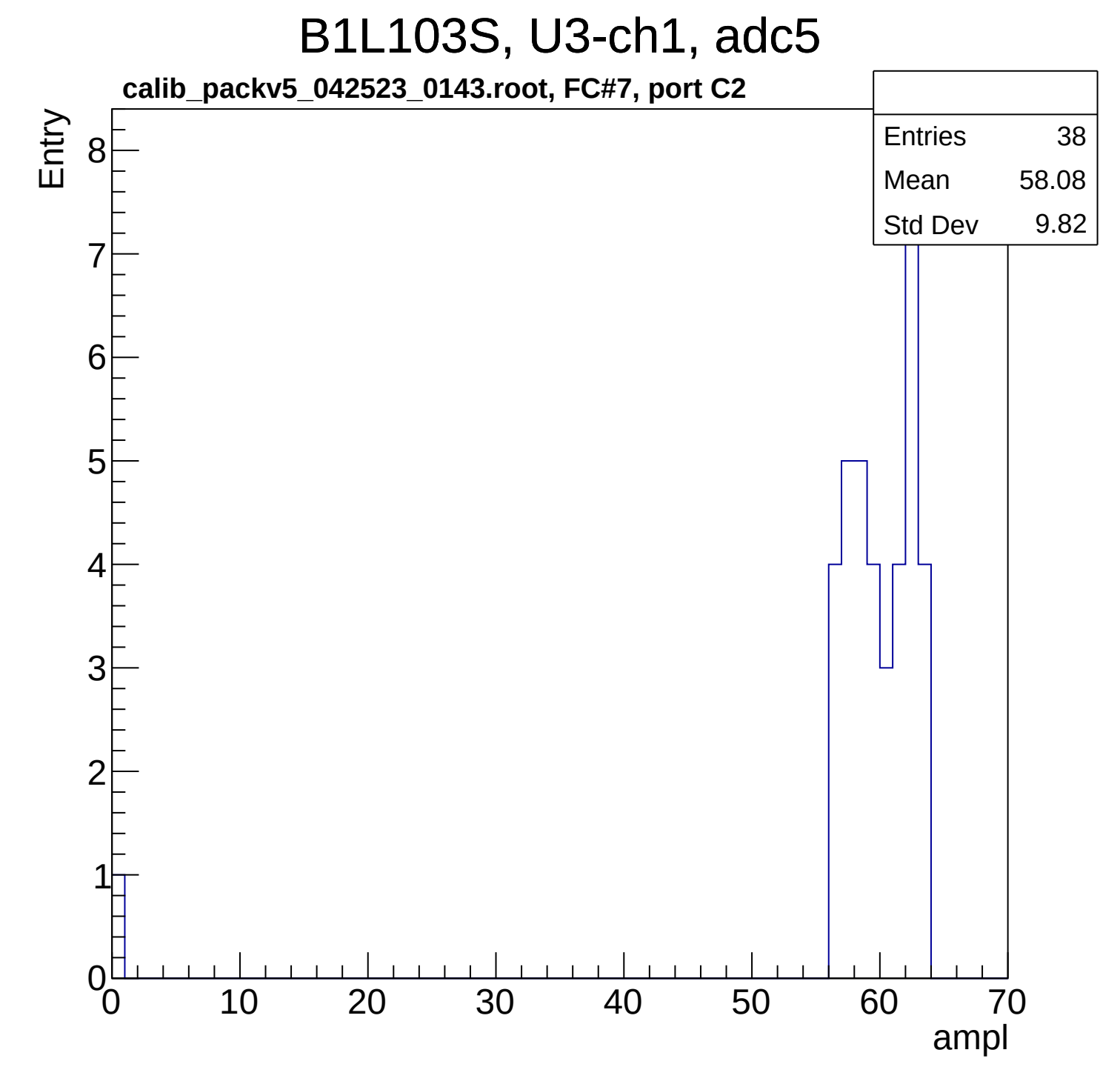
B1L103S, U3-ch1, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 38
Mean 58.08
Std Dev 9.82
Entry
ampl
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1
2
3
4
5
6
7
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0
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40
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60
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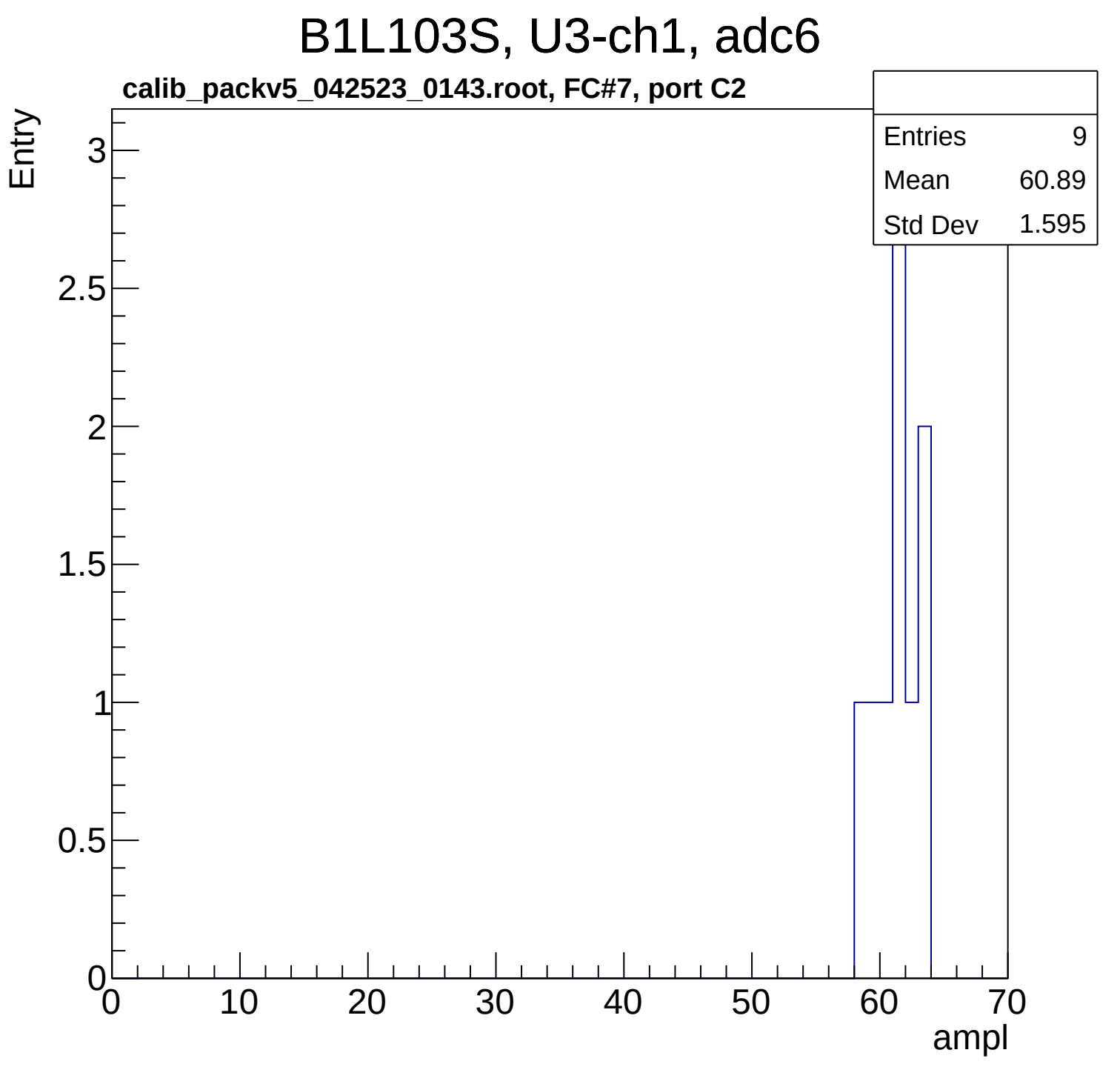
B1L103S, U3-ch1, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 60.89
Std Dev 1.595
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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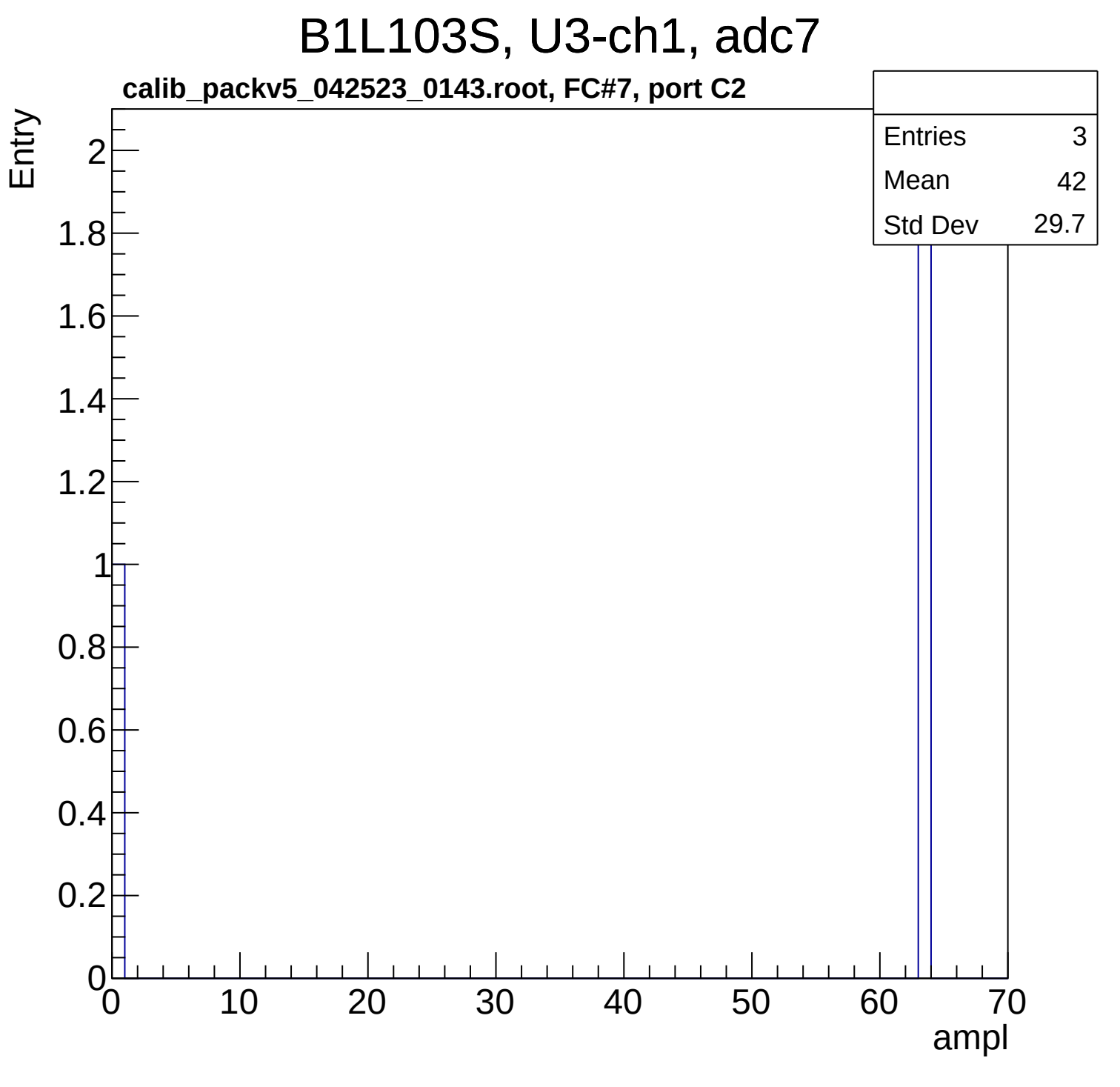
B1L103S, U3-ch1, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 42
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
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60
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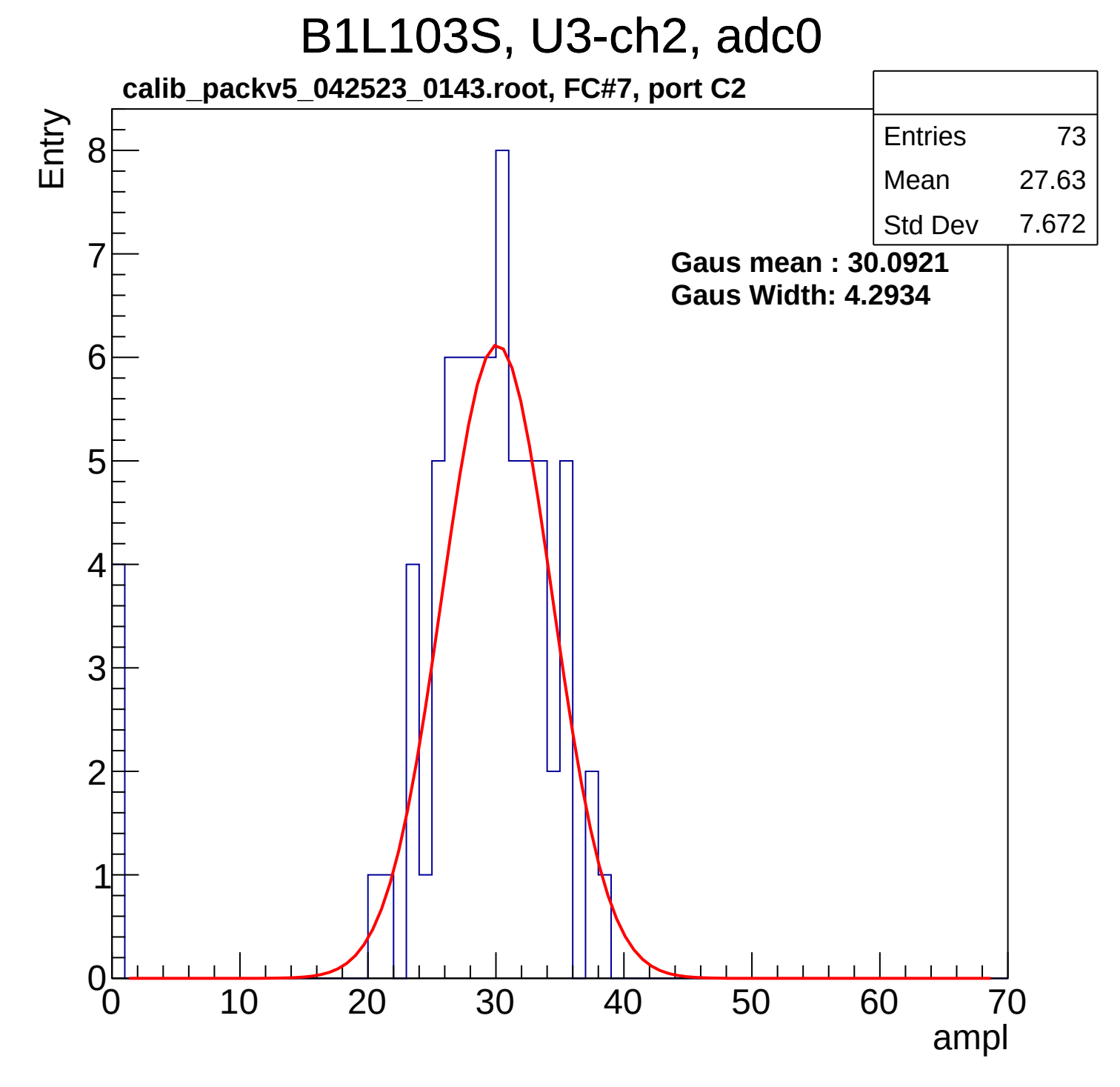
B1L103S, U3-ch2, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 27.63
Std Dev 7.672
Gaus mean : 30.0921
Gaus Width: 4.2934
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
50
60
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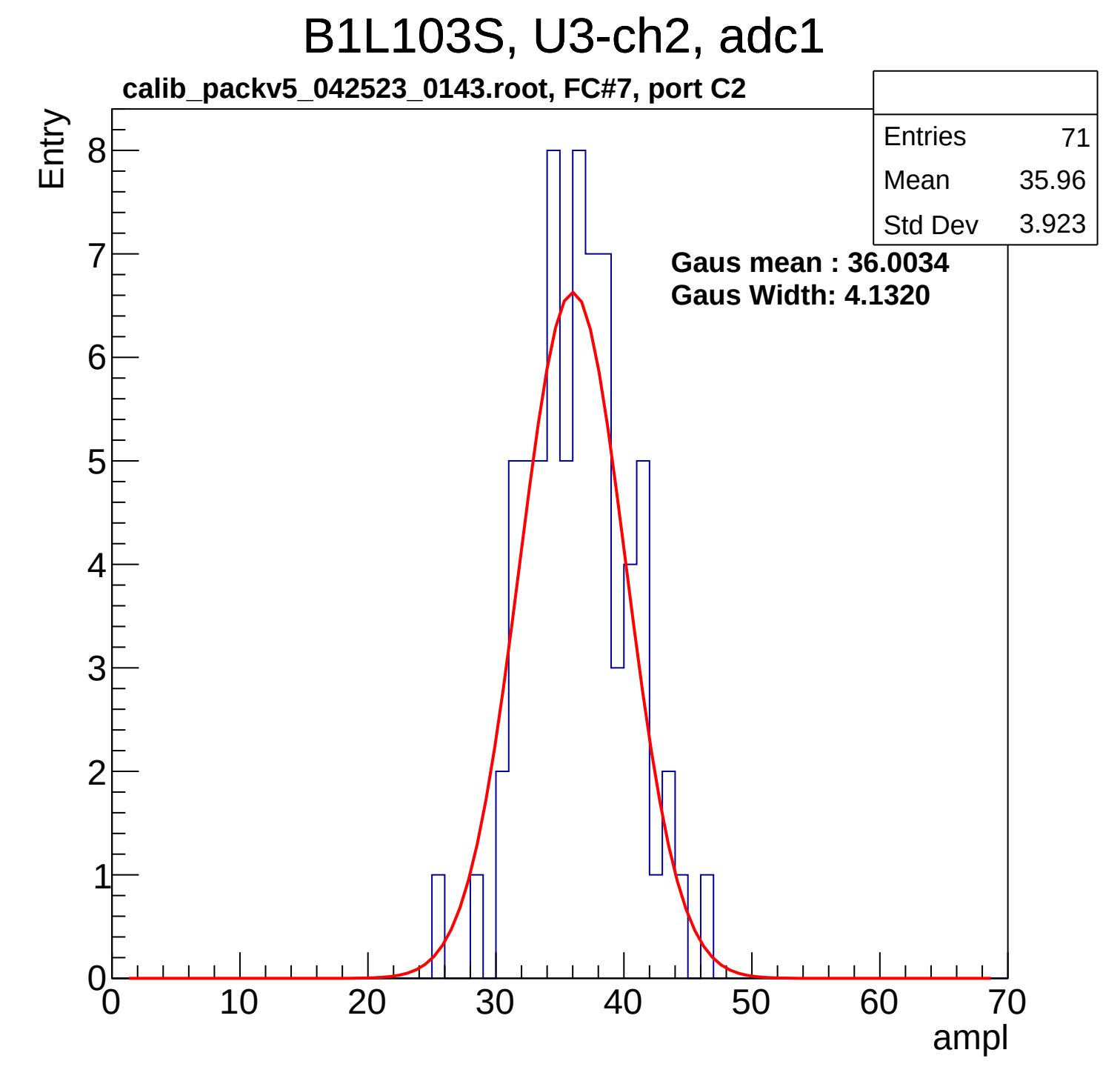
B1L103S, U3-ch2, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 35.96
Std Dev 3.923
Gaus mean : 36.0034
Gaus Width: 4.1320
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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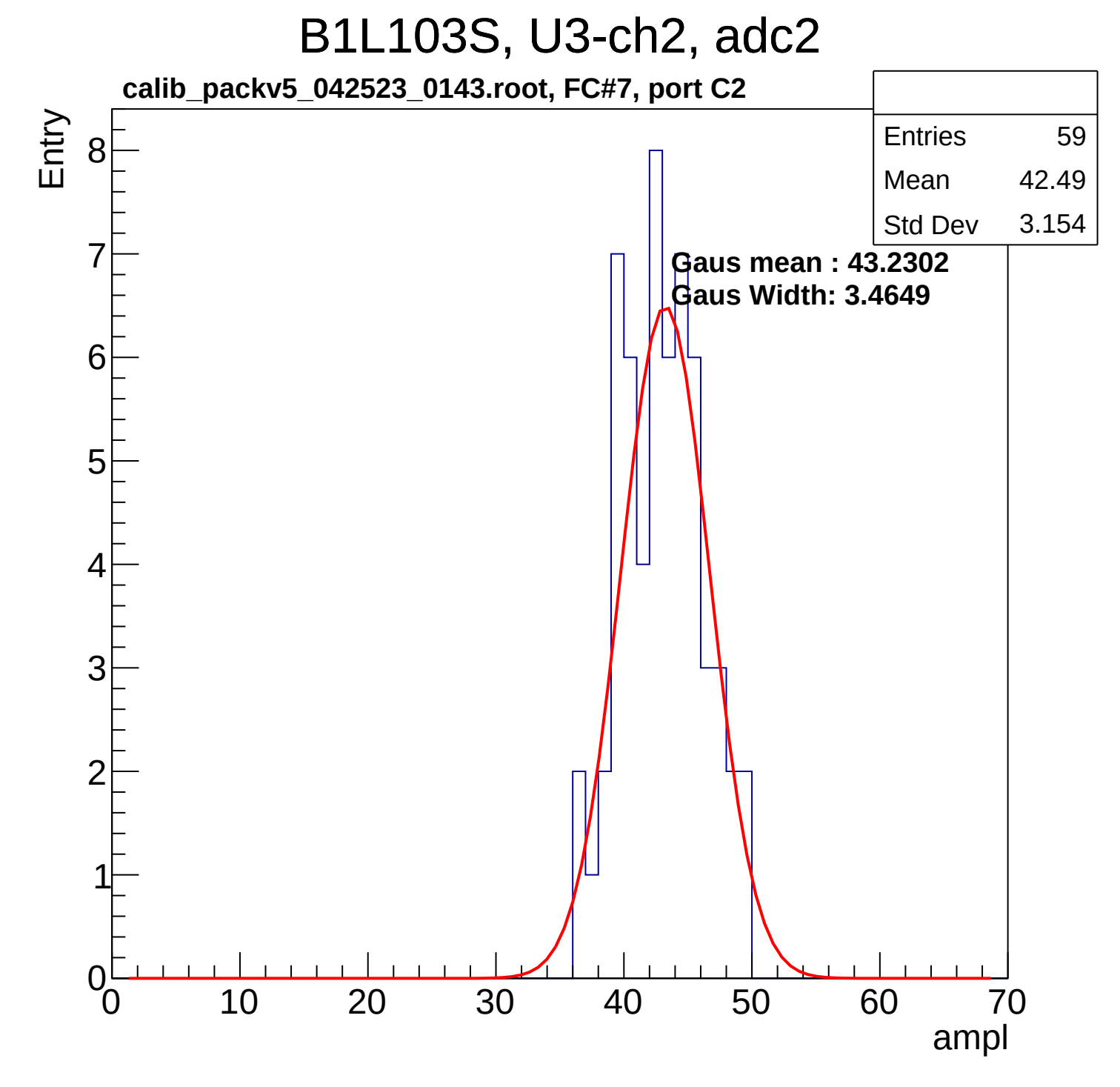
B1L103S, U3-ch2, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 42.49
Std Dev 3.154
Gaus mean : 43.2302
Gaus Width: 3.4649
Entry
ampl
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2
3
4
5
6
7
8
0
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60
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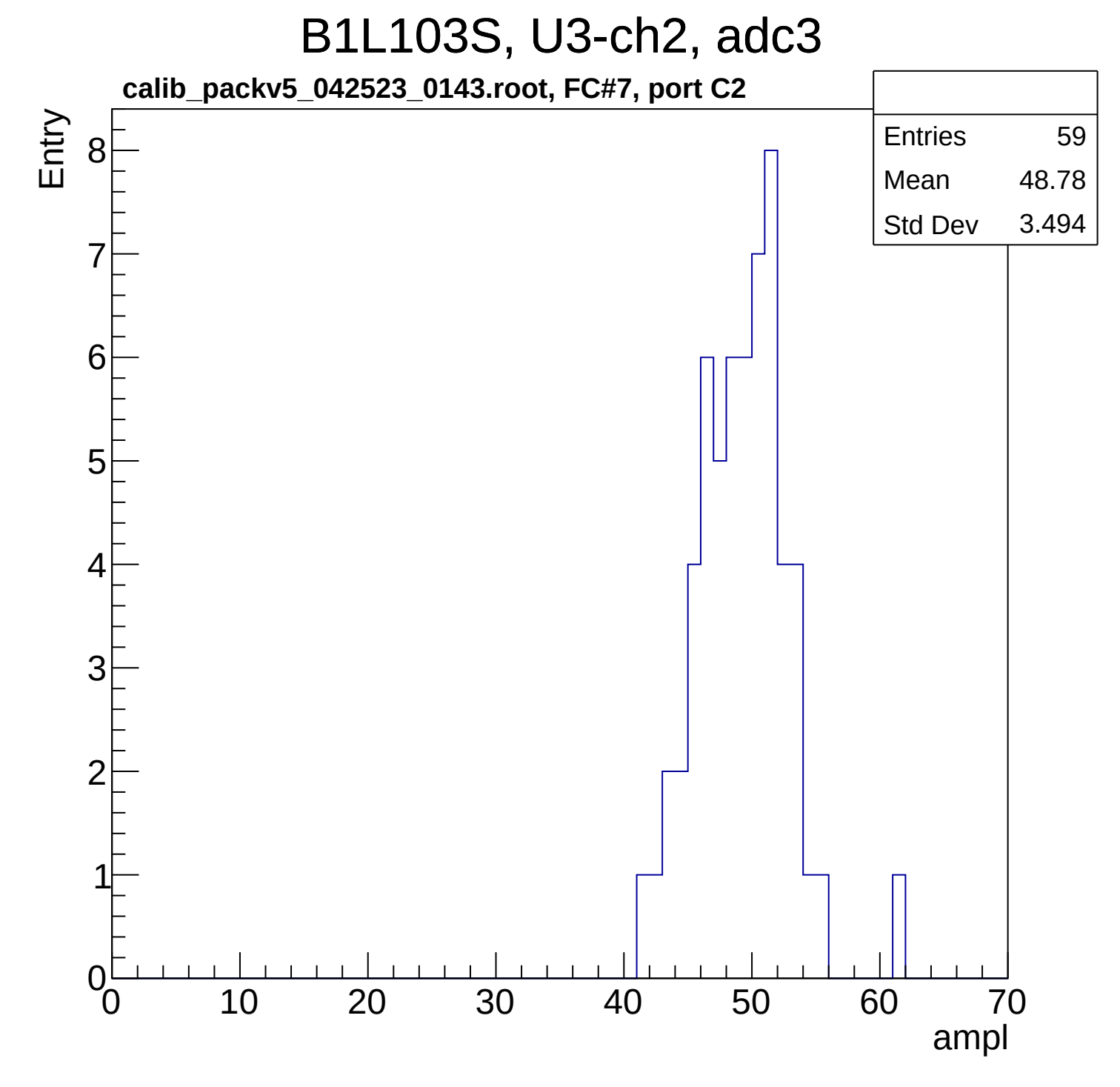
B1L103S, U3-ch2, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 48.78
Std Dev 3.494
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
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60
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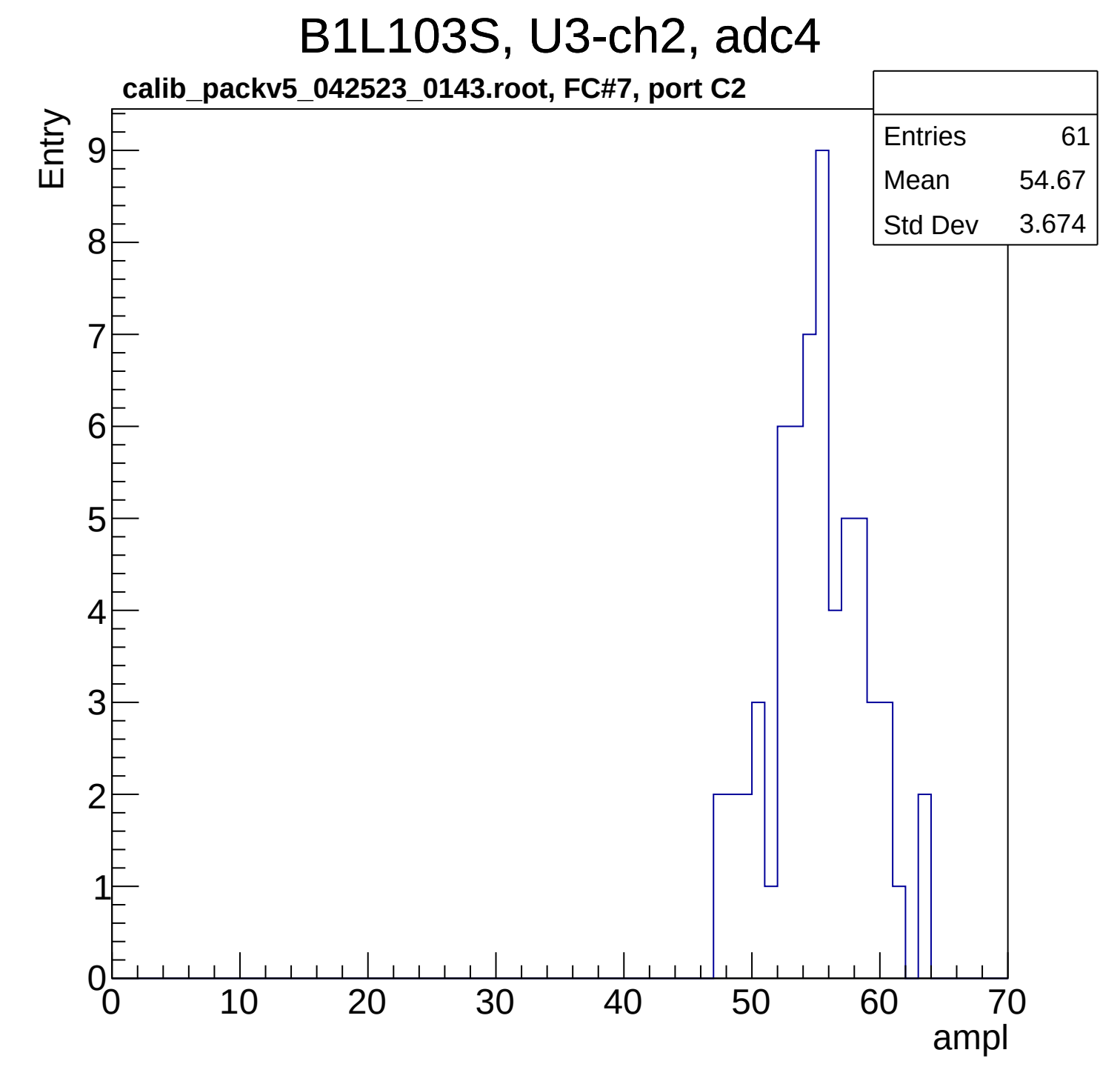
B1L103S, U3-ch2, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 54.67
Std Dev 3.674
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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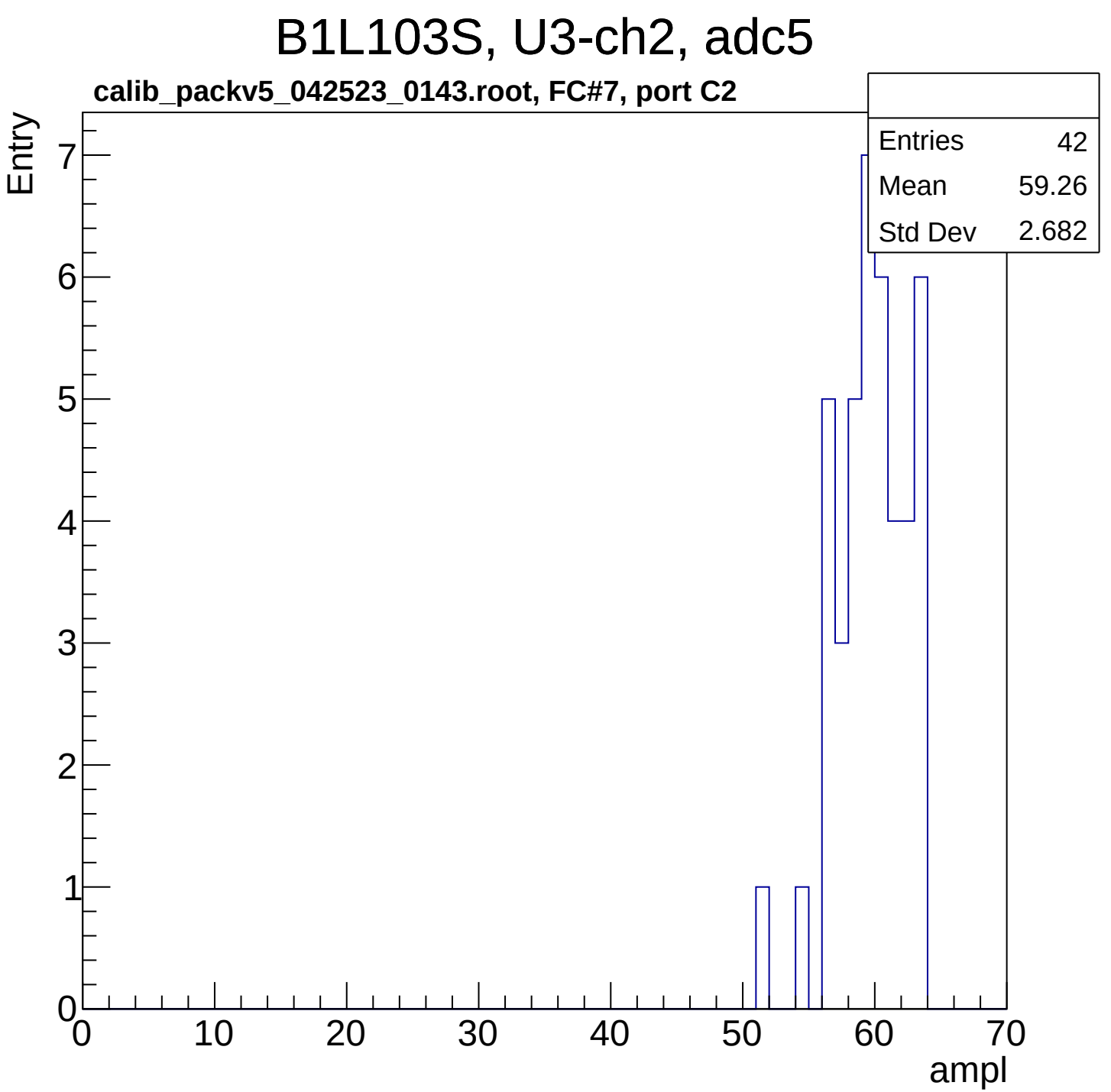
B1L103S, U3-ch2, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 59.26
Std Dev 2.682
Entry
ampl
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4
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6
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0
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40
50
60
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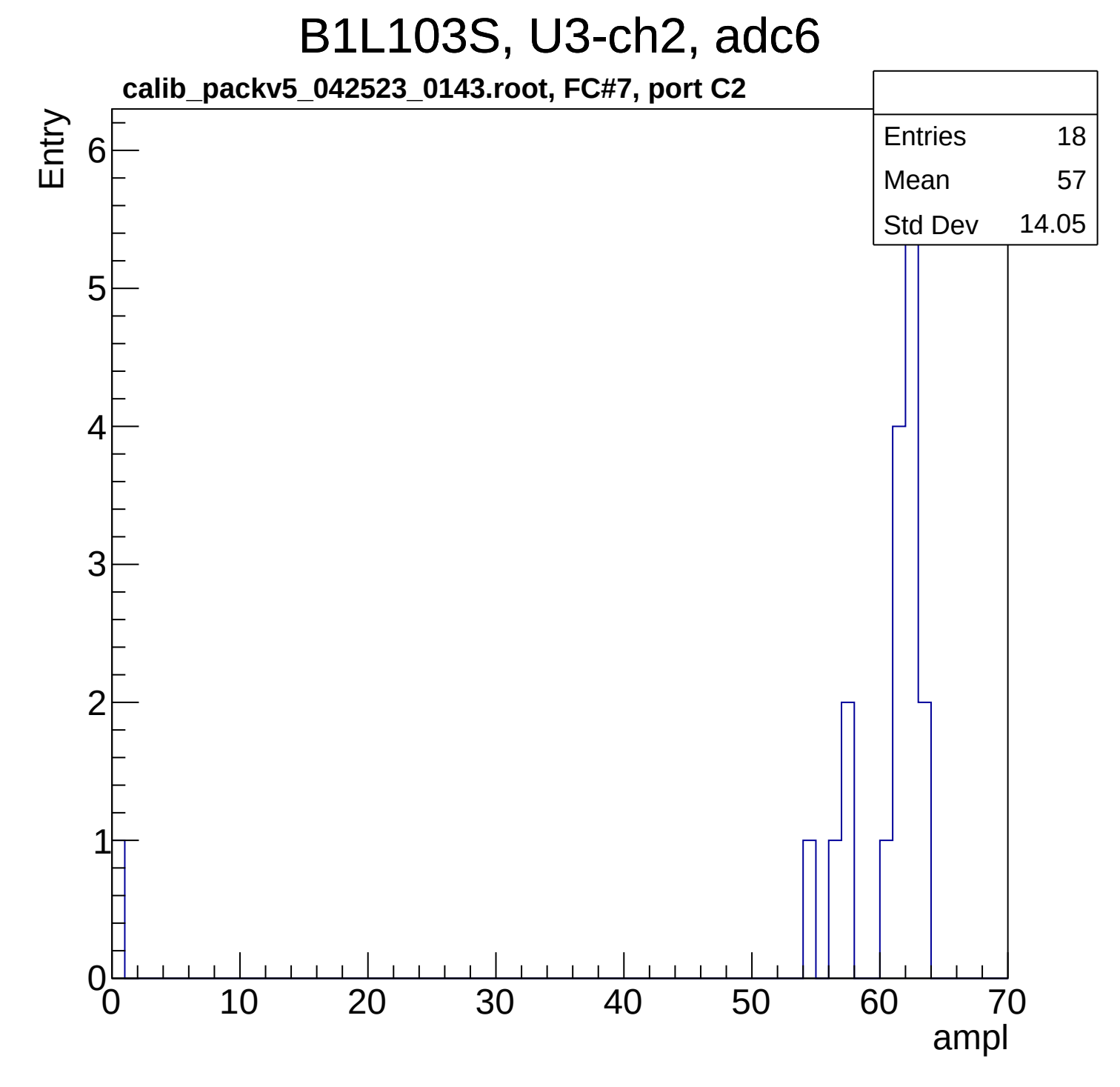
B1L103S, U3-ch2, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 57
Std Dev 14.05
Entry
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3
4
5
6
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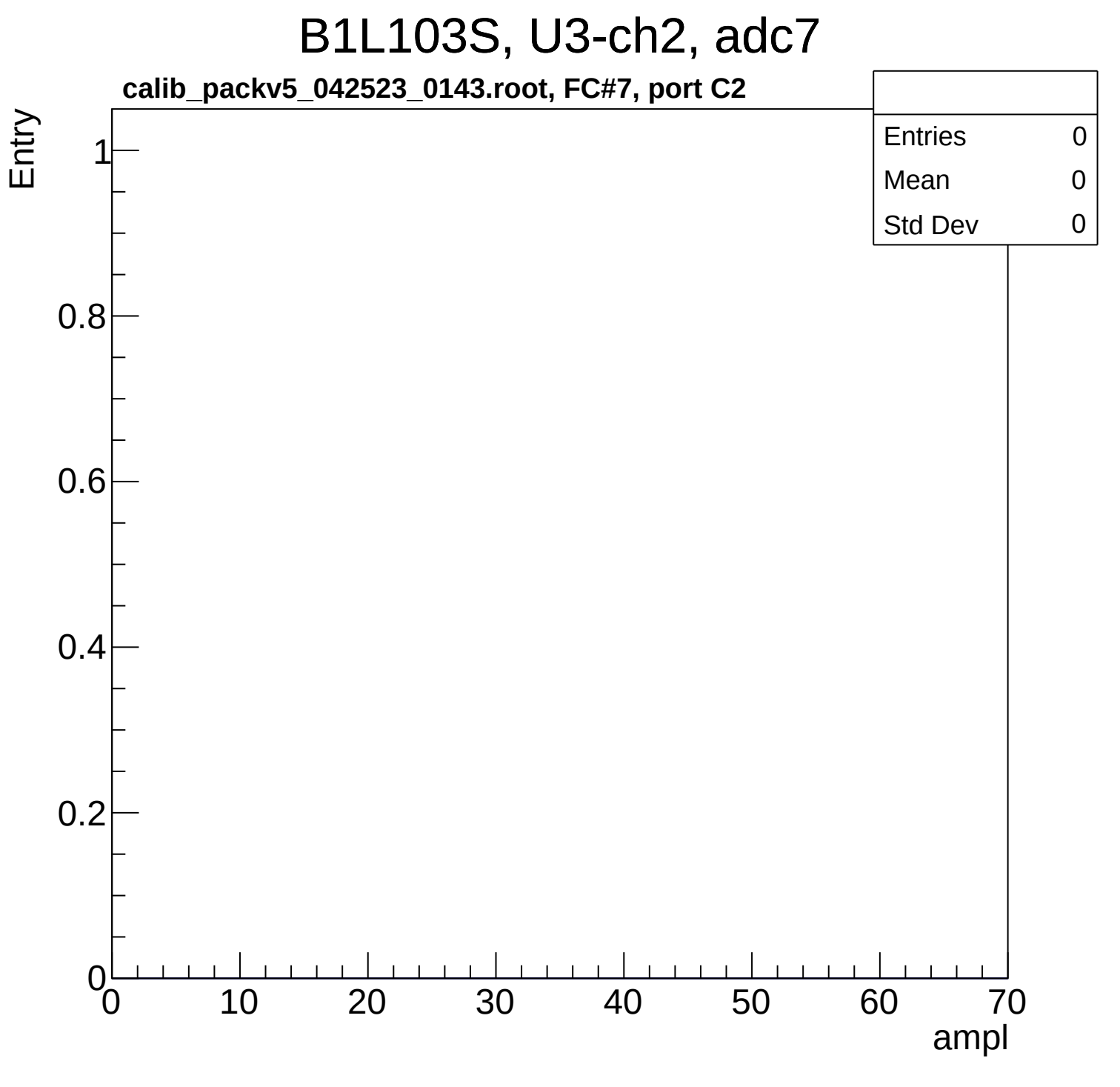
30
40
50
60
70
ampl


B1L103S, U3-ch2, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
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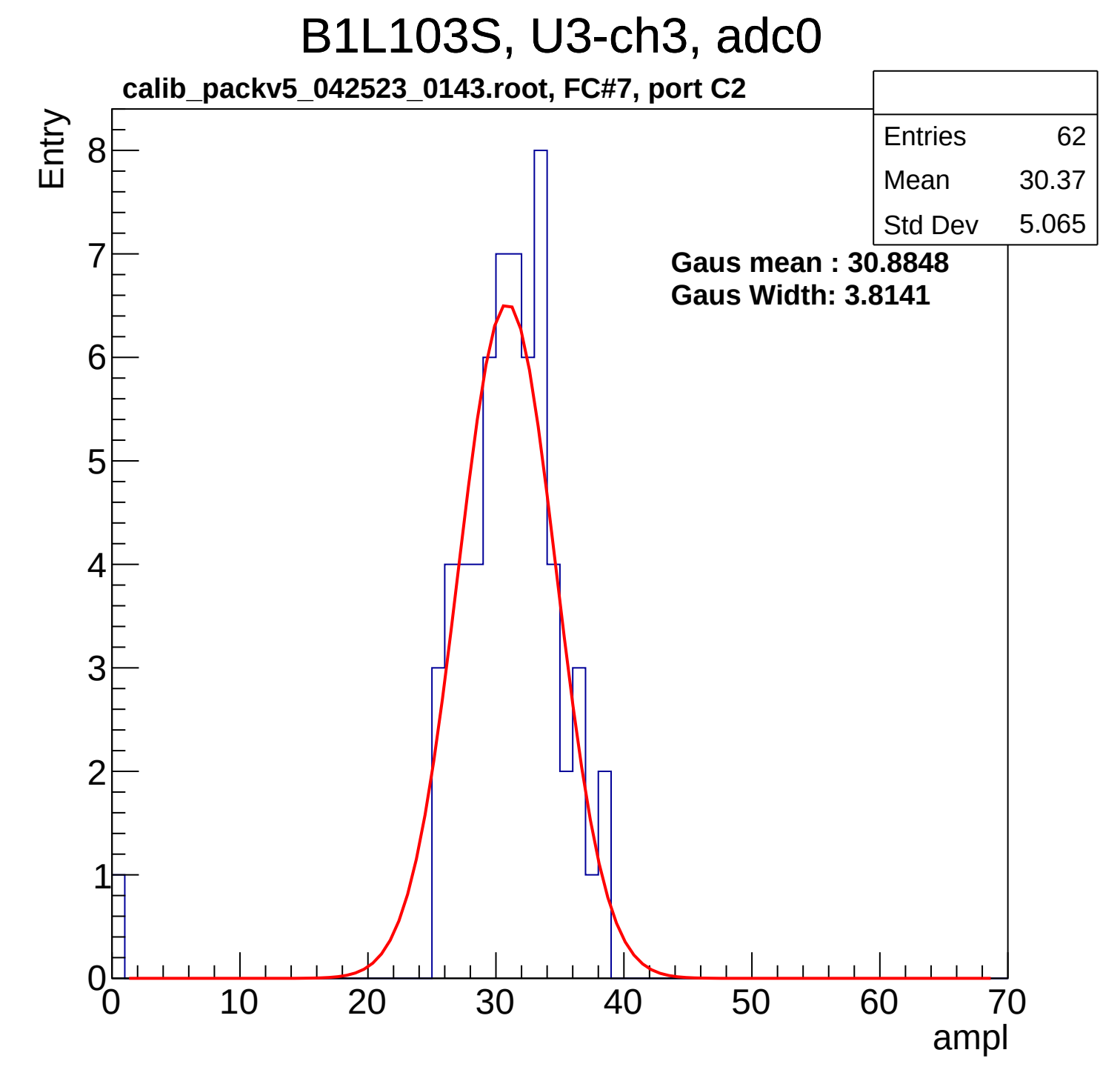
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch3, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 30.37
Std Dev 5.065
Gaus mean : 30.8848
Gaus Width: 3.8141
Entry
ampl
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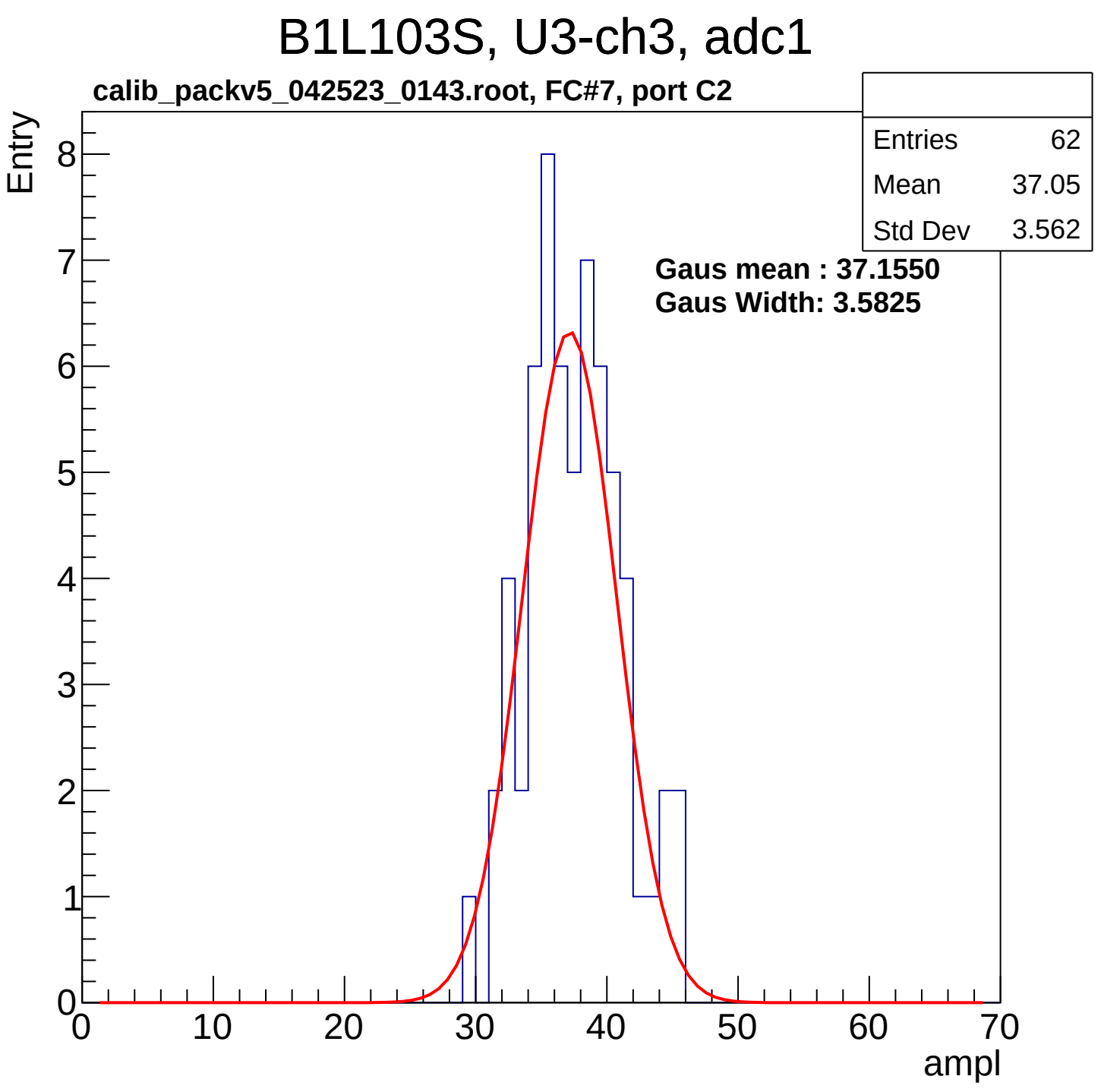
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch3, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 37.05
Std Dev 3.562
Gaus mean : 37.1550
Gaus Width: 3.5825
Entry
ampl
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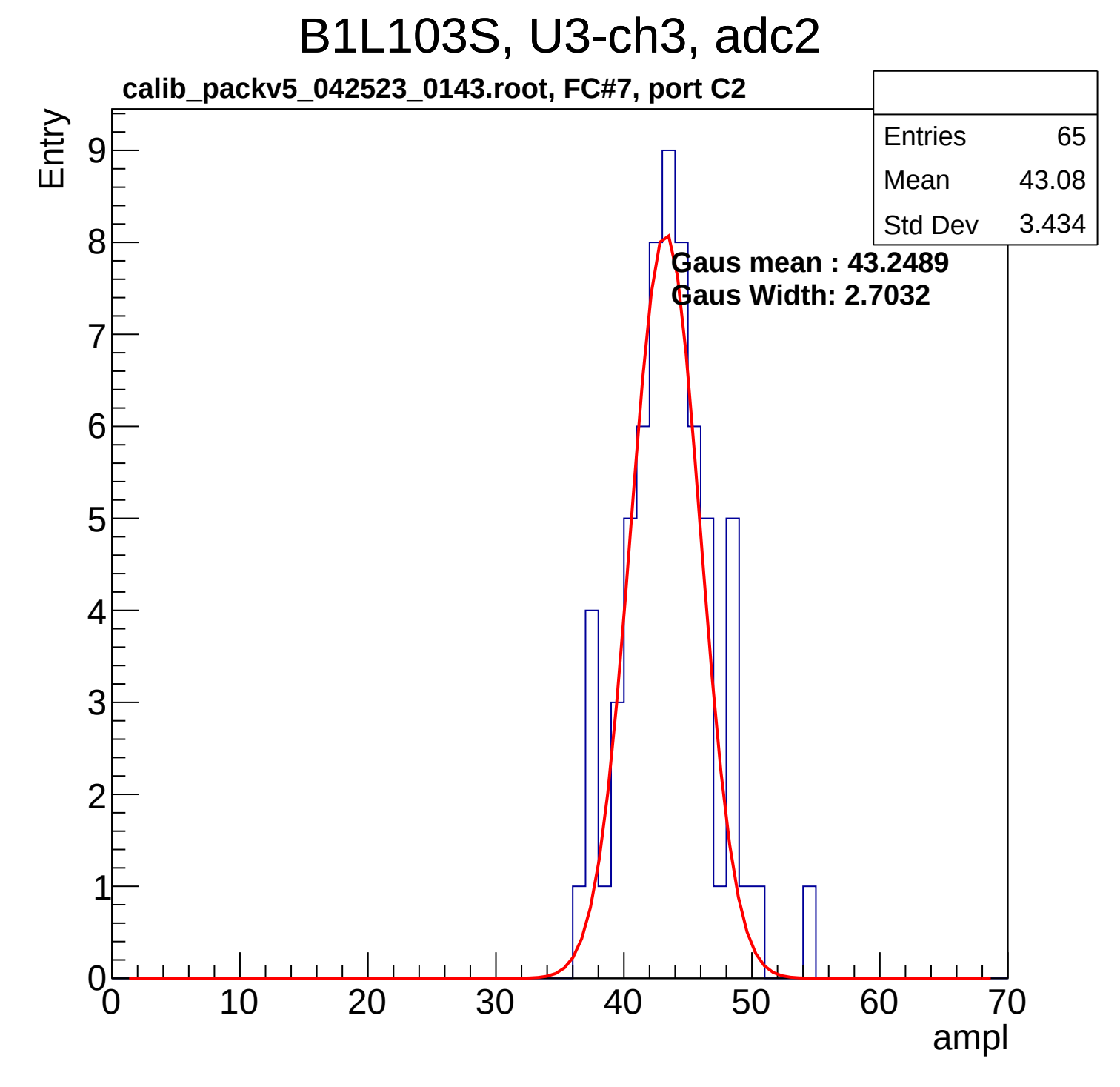
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch3, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 43.08
Std Dev 3.434
Gaus mean : 43.2489
Gaus Width: 2.7032
Entry
ampl
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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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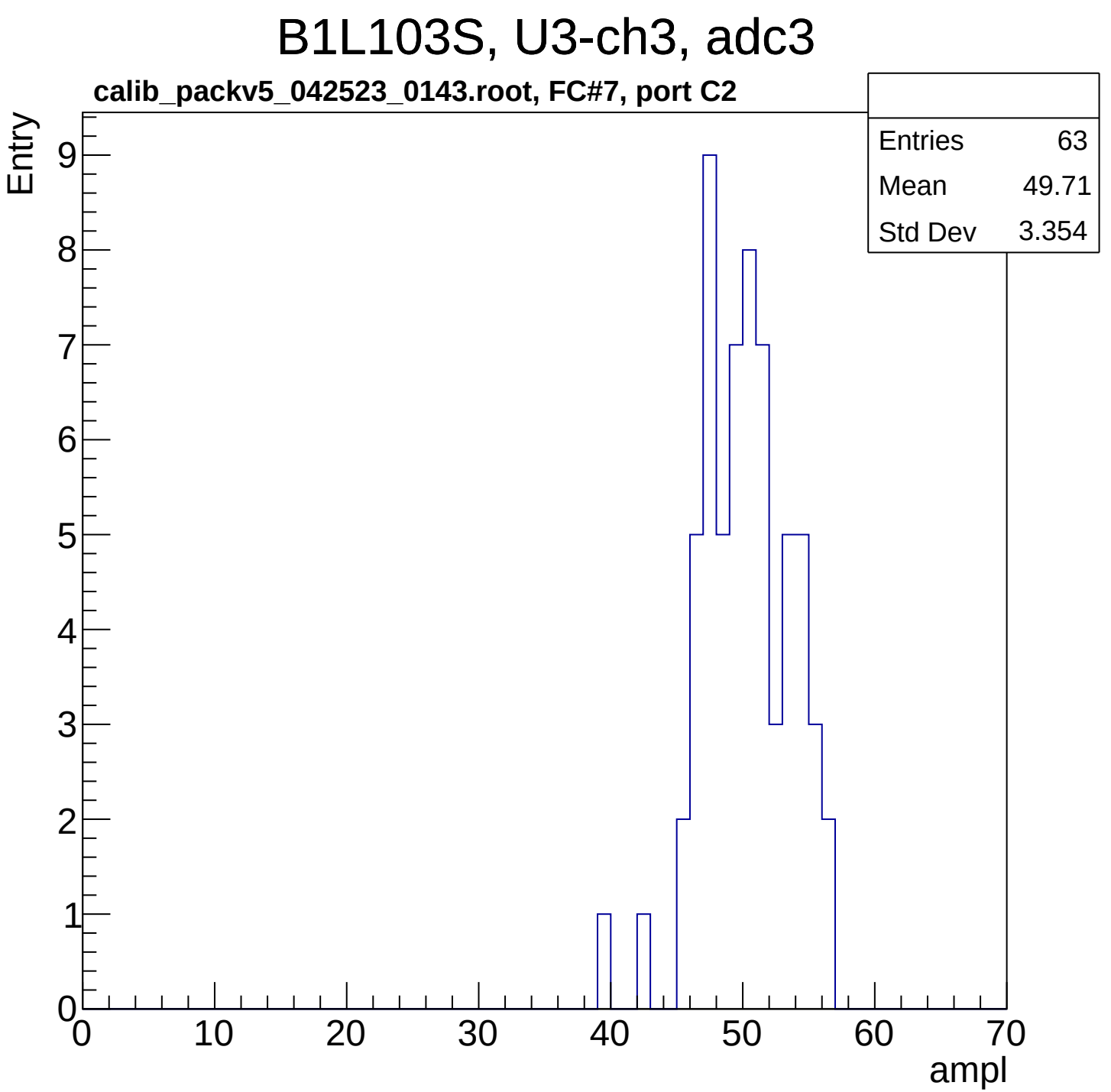
B1L103S, U3-ch3, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 49.71
Std Dev 3.354
Entry
ampl
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3
4
5
6
7
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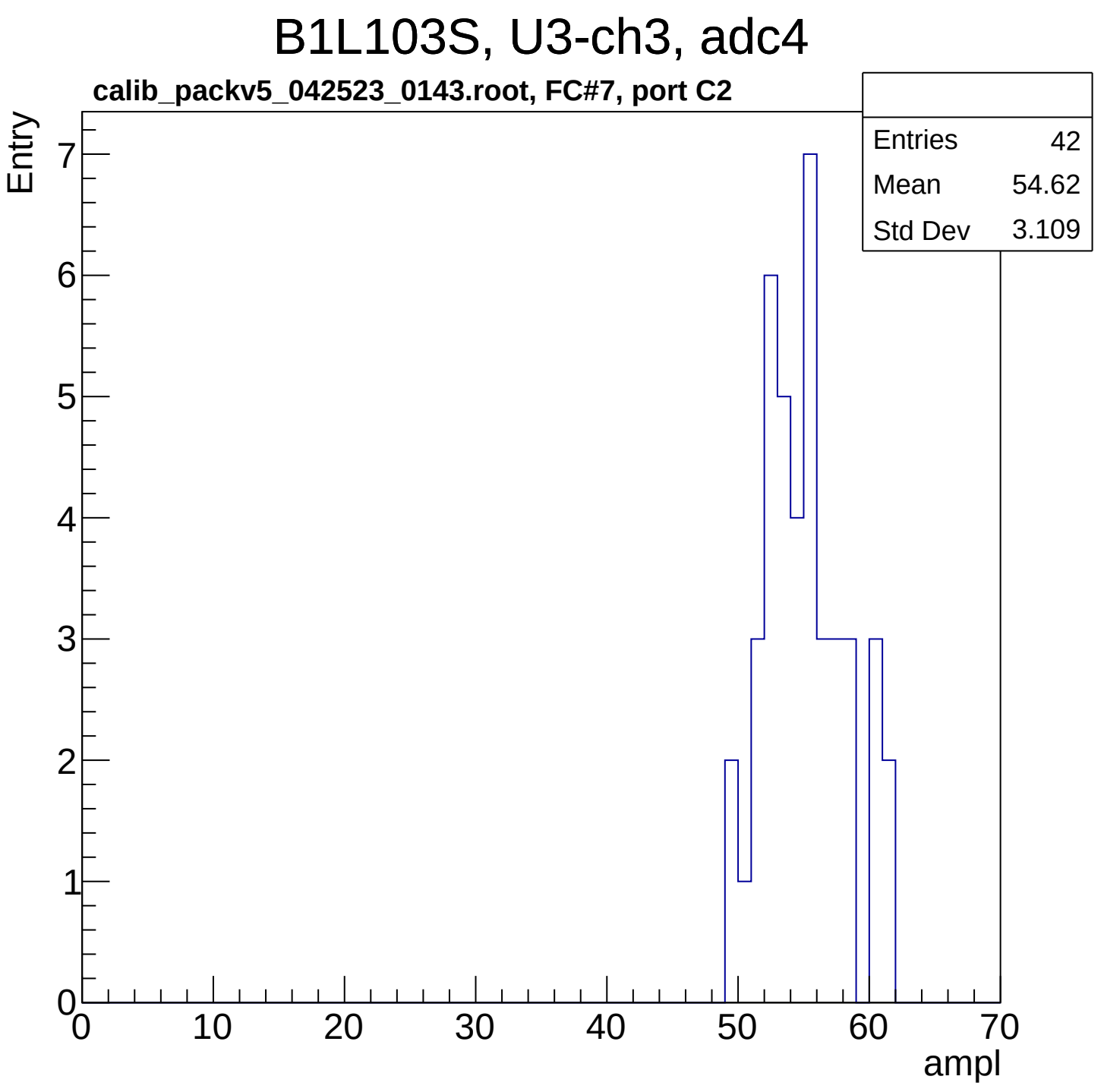
B1L103S, U3-ch3, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 54.62
Std Dev 3.109
Entry
ampl
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1
2
3
4
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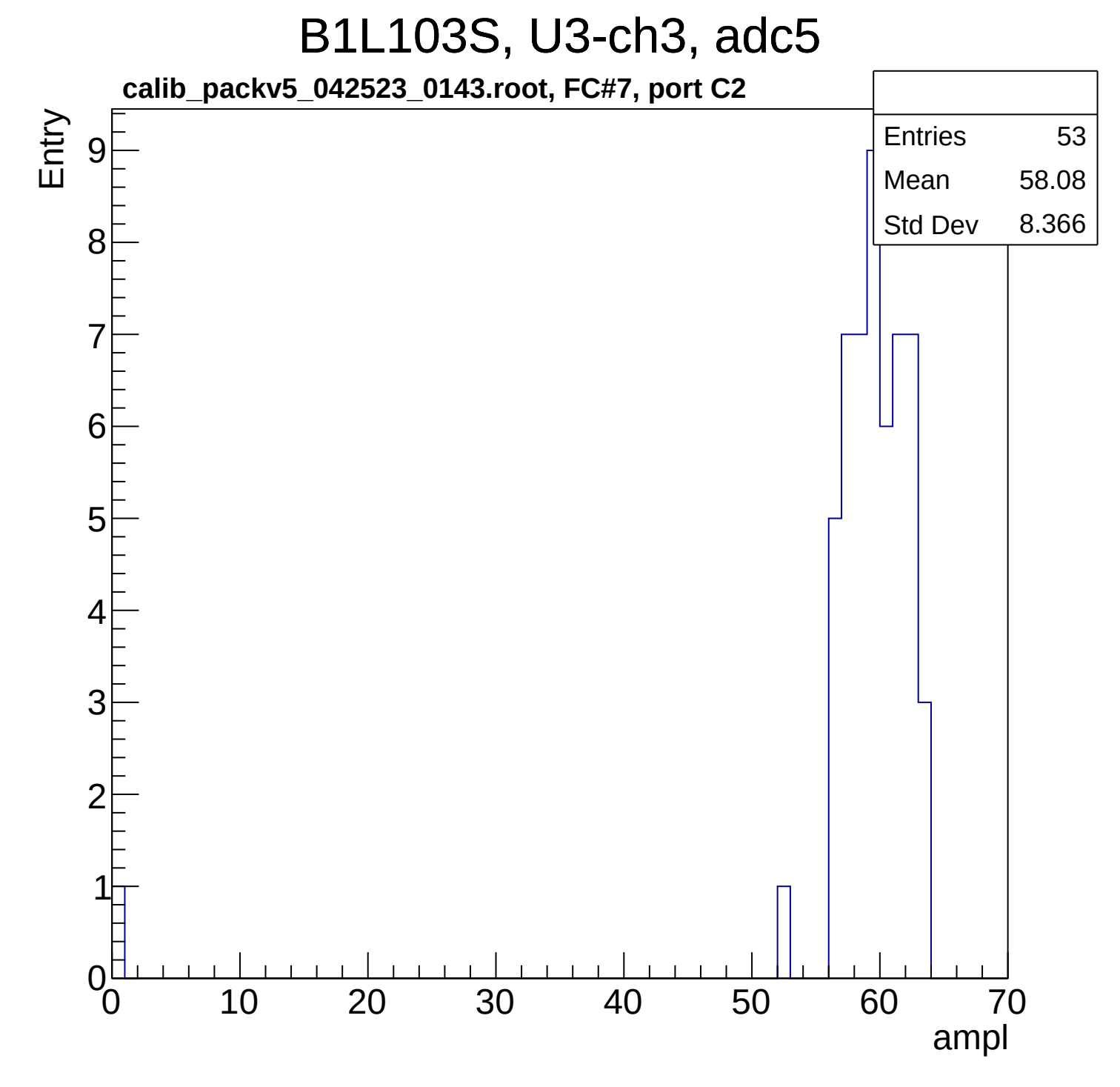
B1L103S, U3-ch3, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 58.08
Std Dev 8.366
Entry
ampl
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2
3
4
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7
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0
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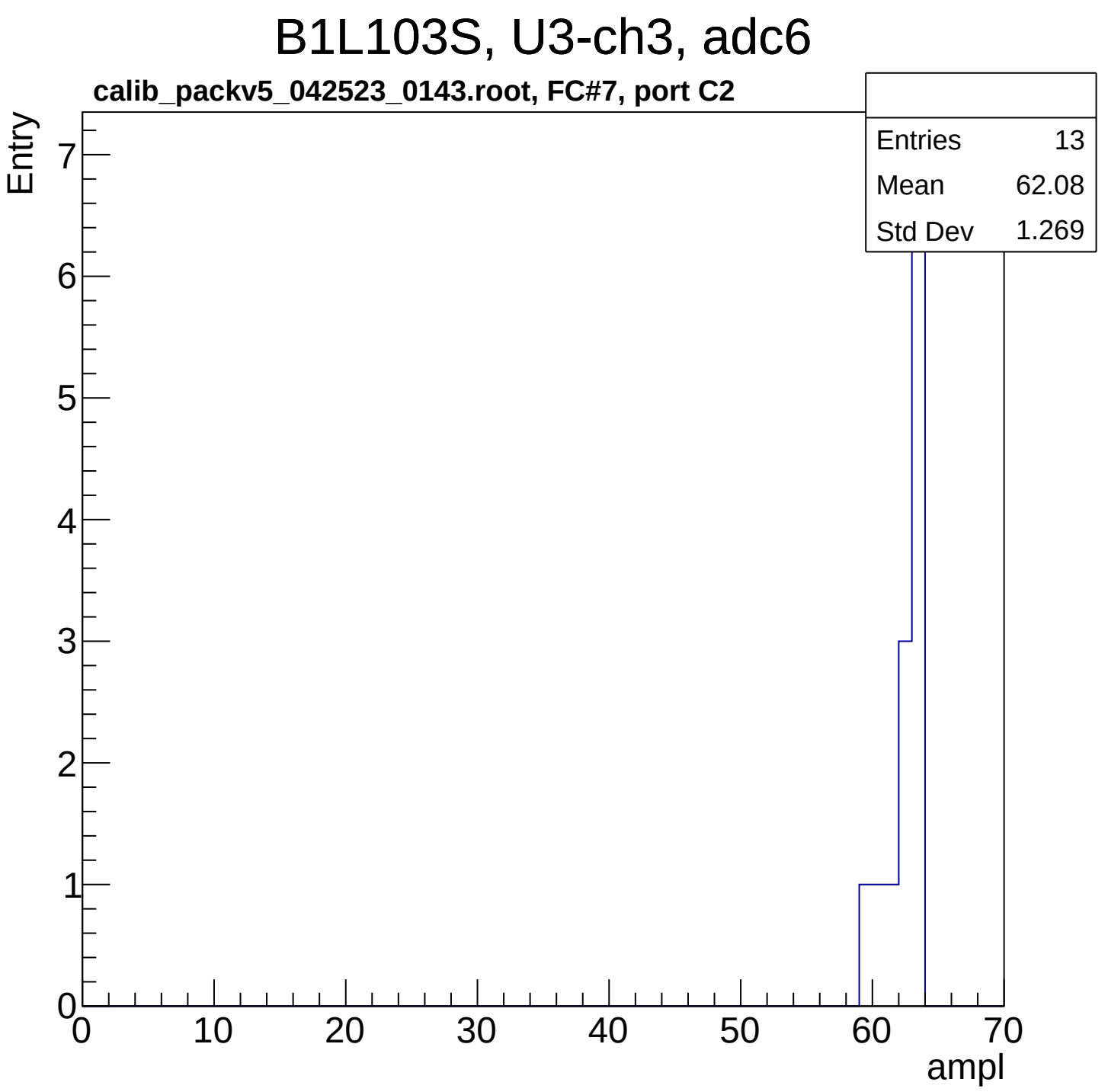
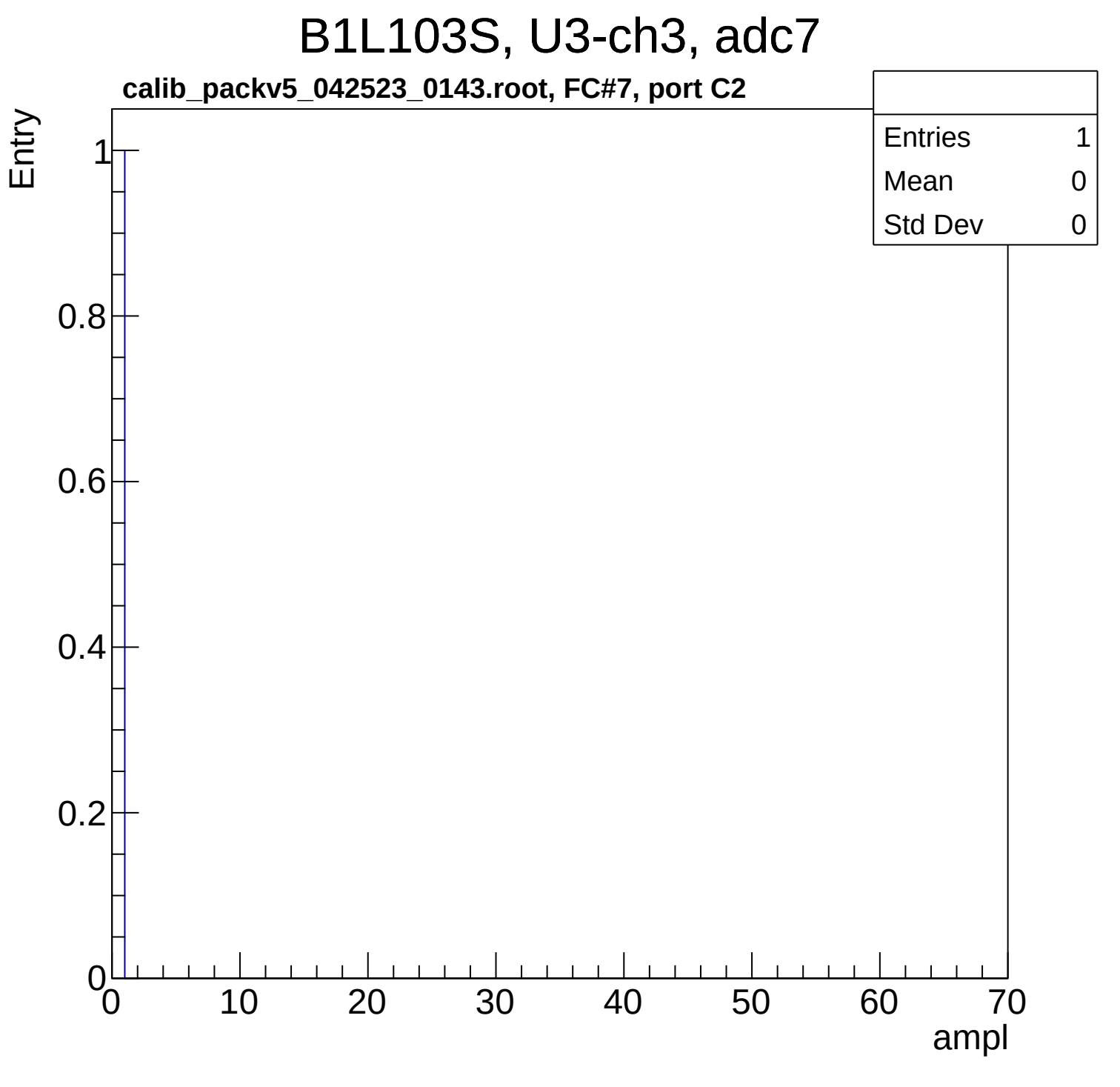

B1L103S, U3-ch3, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 13
Mean 62.08
Std Dev 1.269
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch3, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
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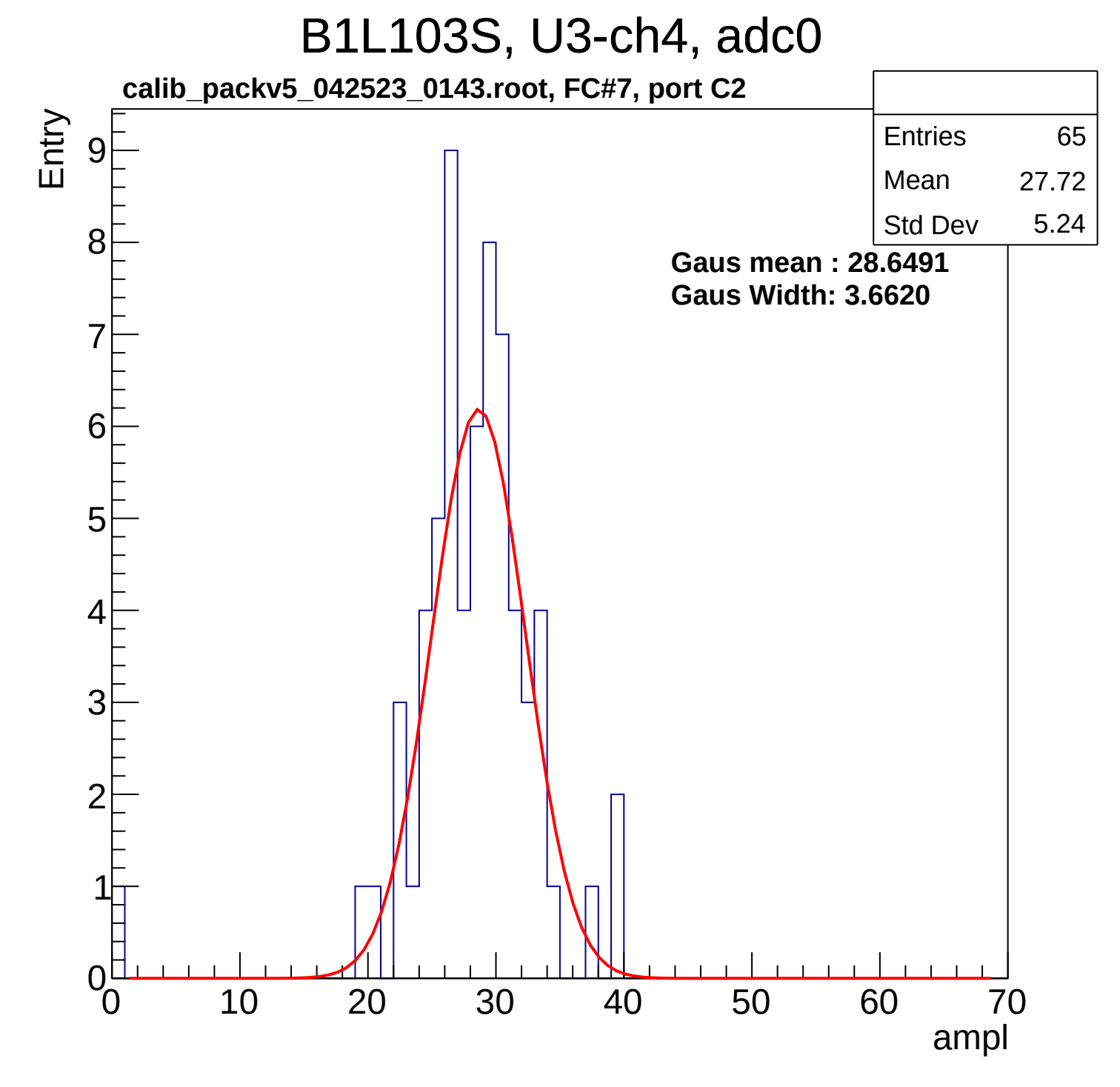
70
ampl


B1L103S, U3-ch4, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 27.72
Std Dev 5.24
Gaus mean : 28.6491
Gaus Width: 3.6620
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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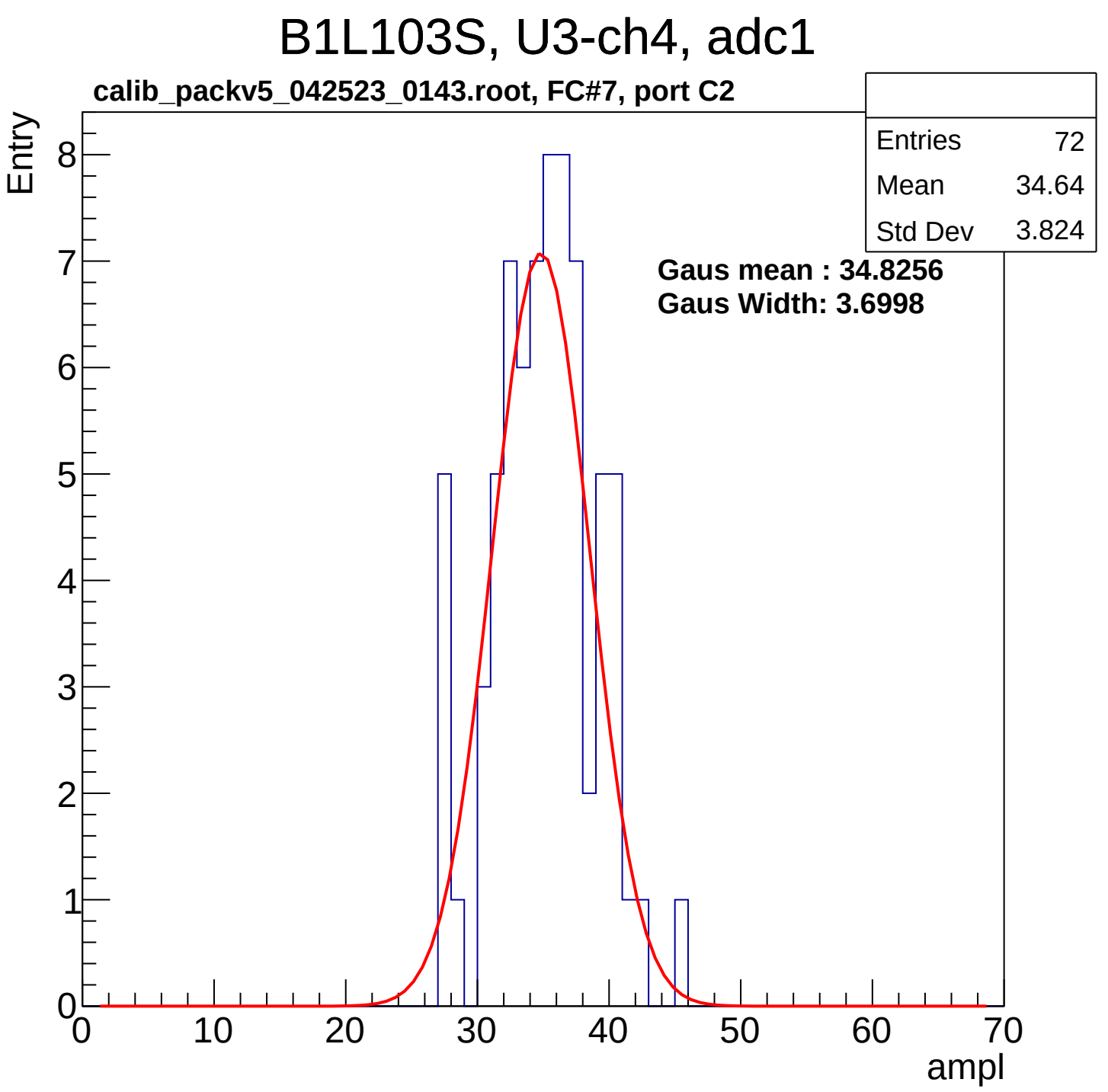
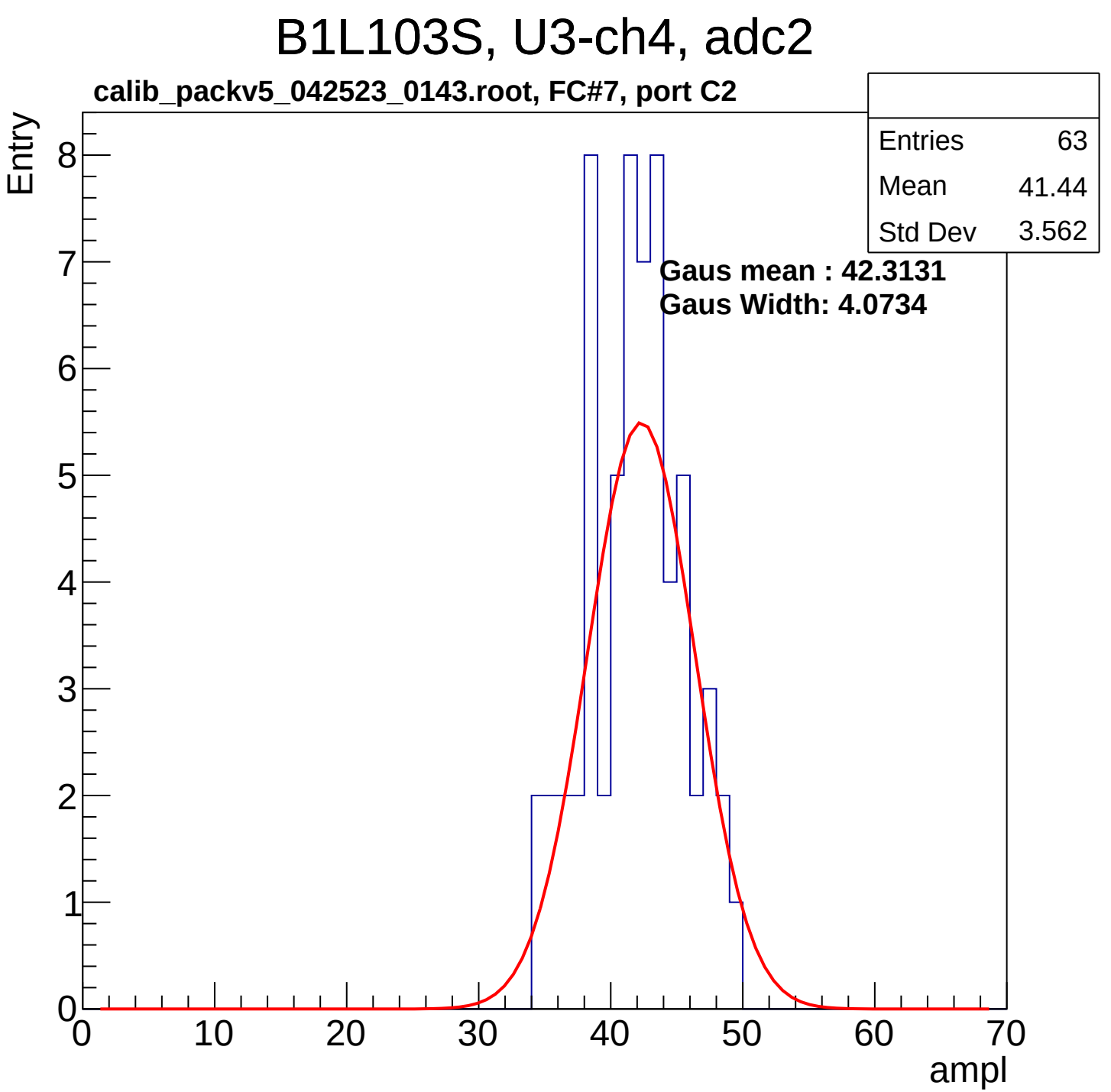

B1L103S, U3-ch4, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 34.64
Std Dev 3.824
Gaus mean : 34.8256
Gaus Width: 3.6998
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch4, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 41.44
Std Dev 3.562
Gaus mean : 42.3131
Gaus Width: 4.0734
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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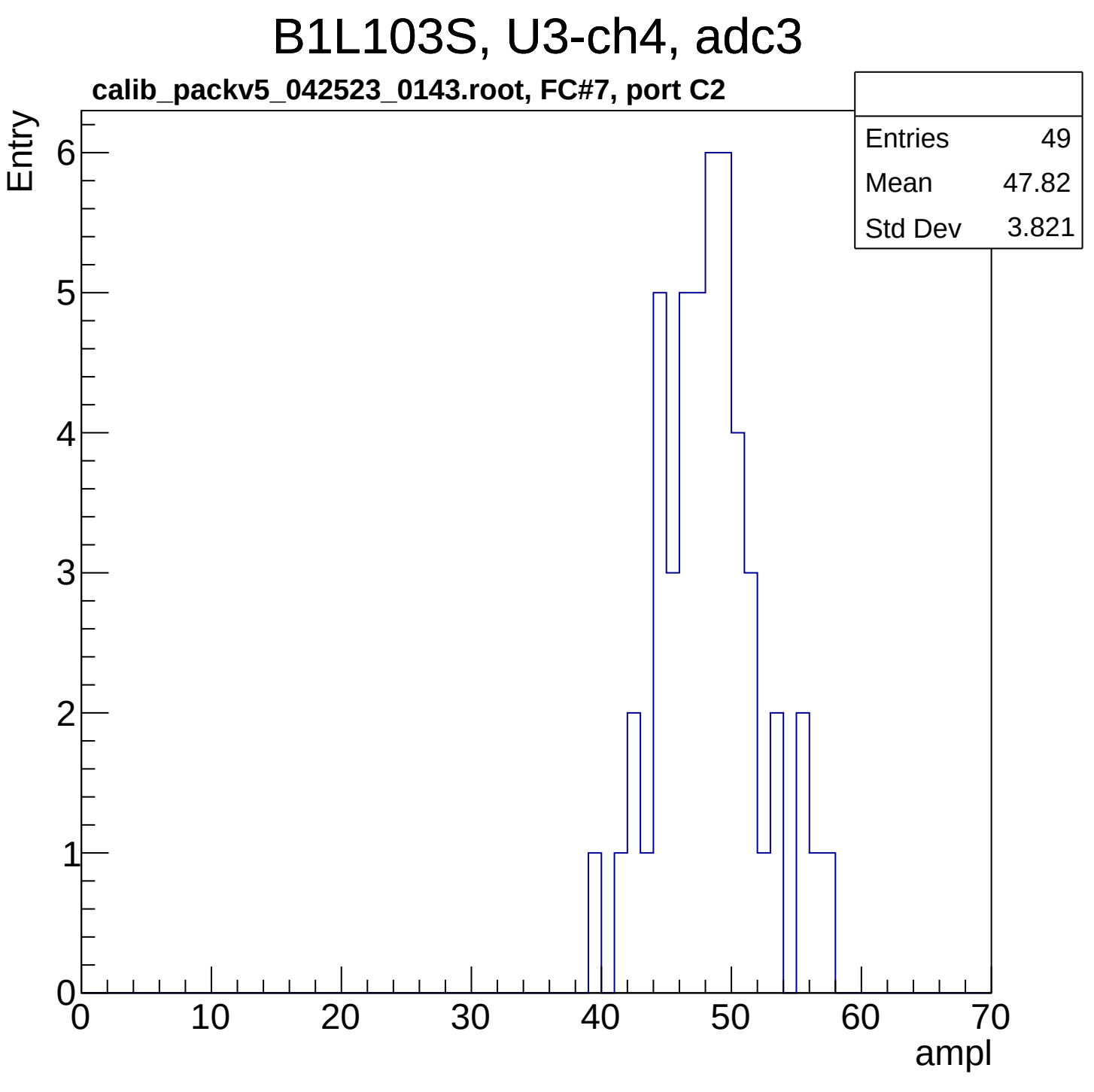
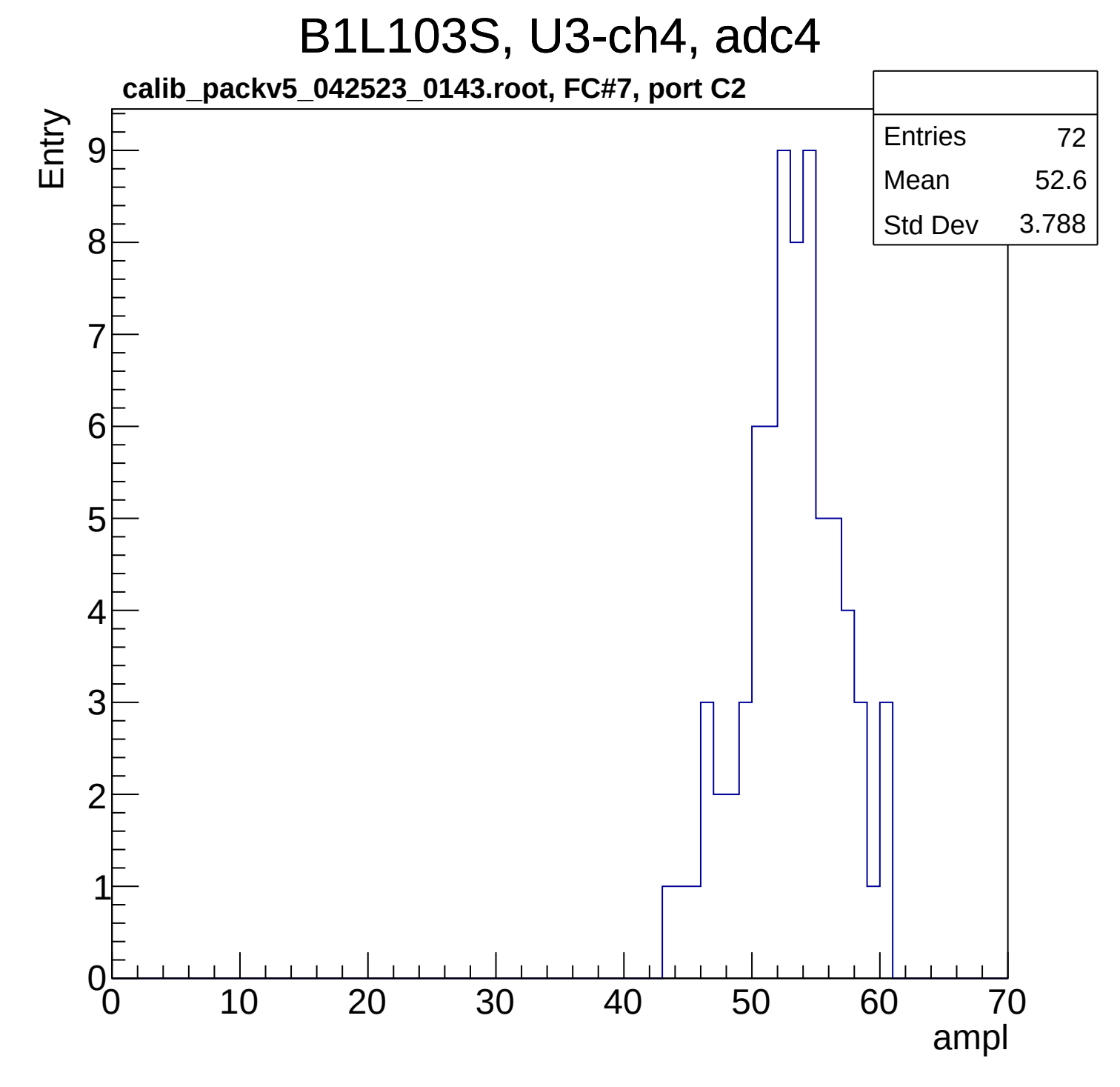

B1L103S, U3-ch4, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 47.82
Std Dev 3.821
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch4, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 52.6
Std Dev 3.788
Entry
ampl
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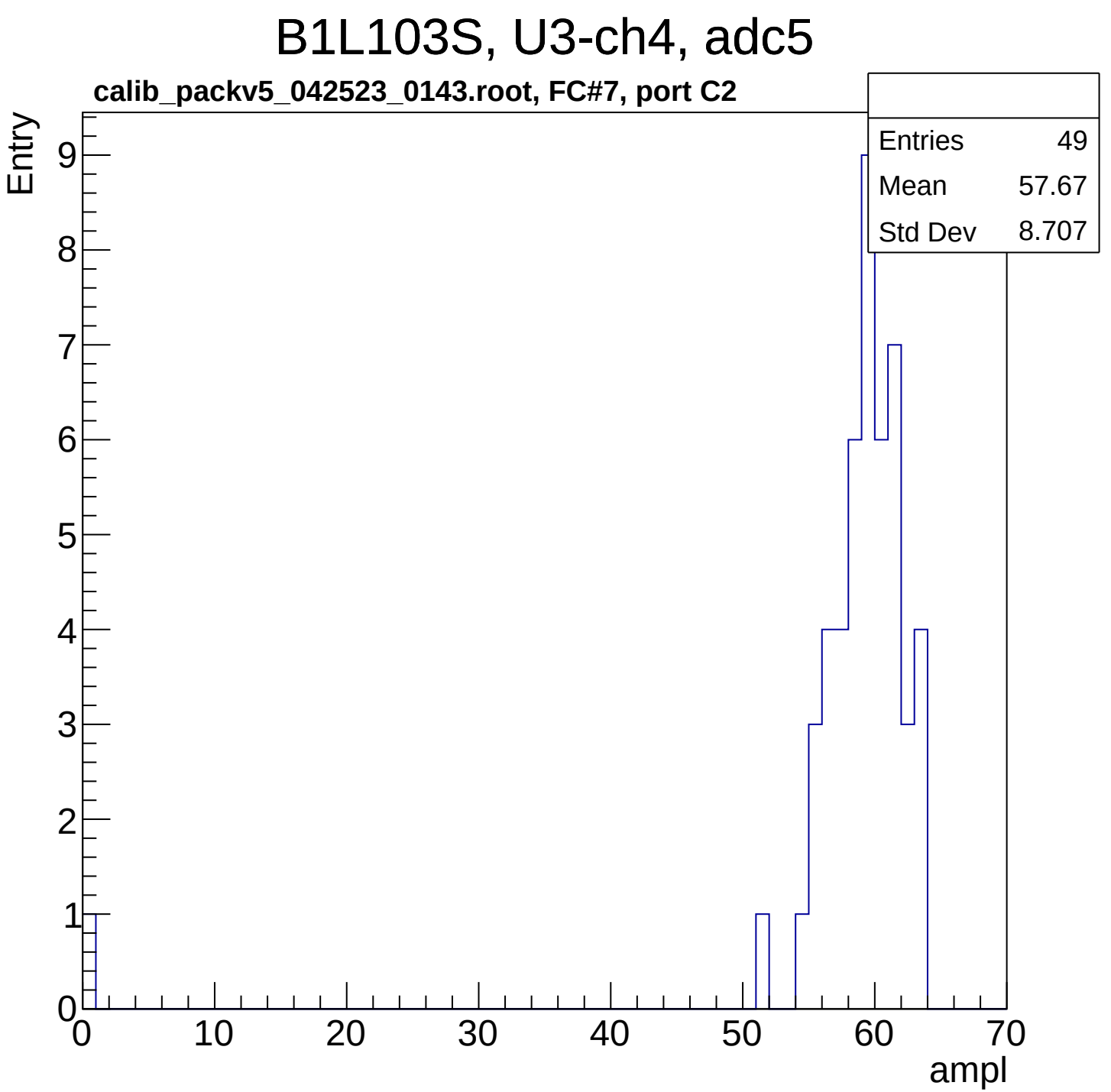
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch4, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 57.67
Std Dev 8.707
Entry
ampl
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3
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5
6
7
8
9
0
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20
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60
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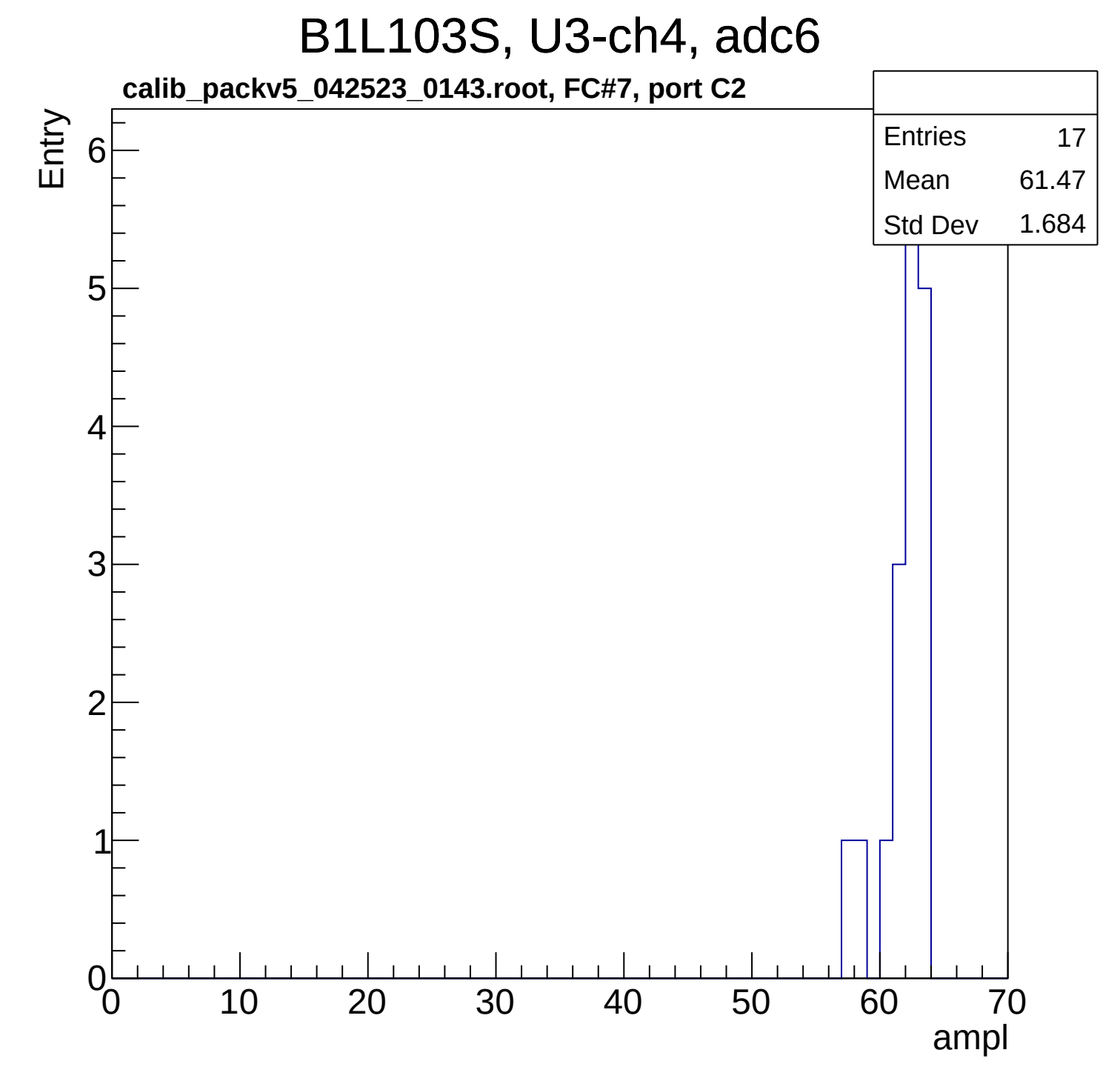
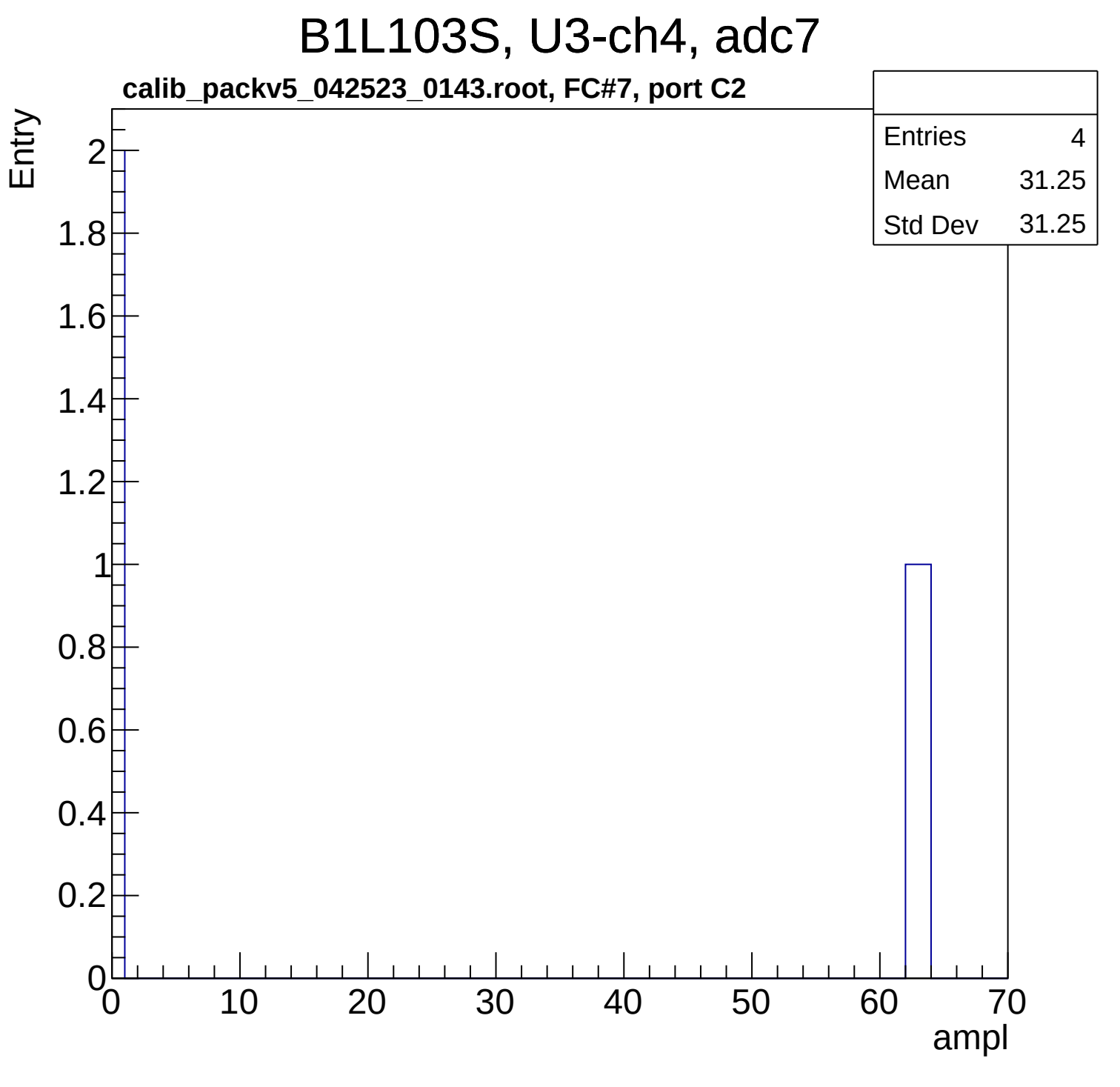
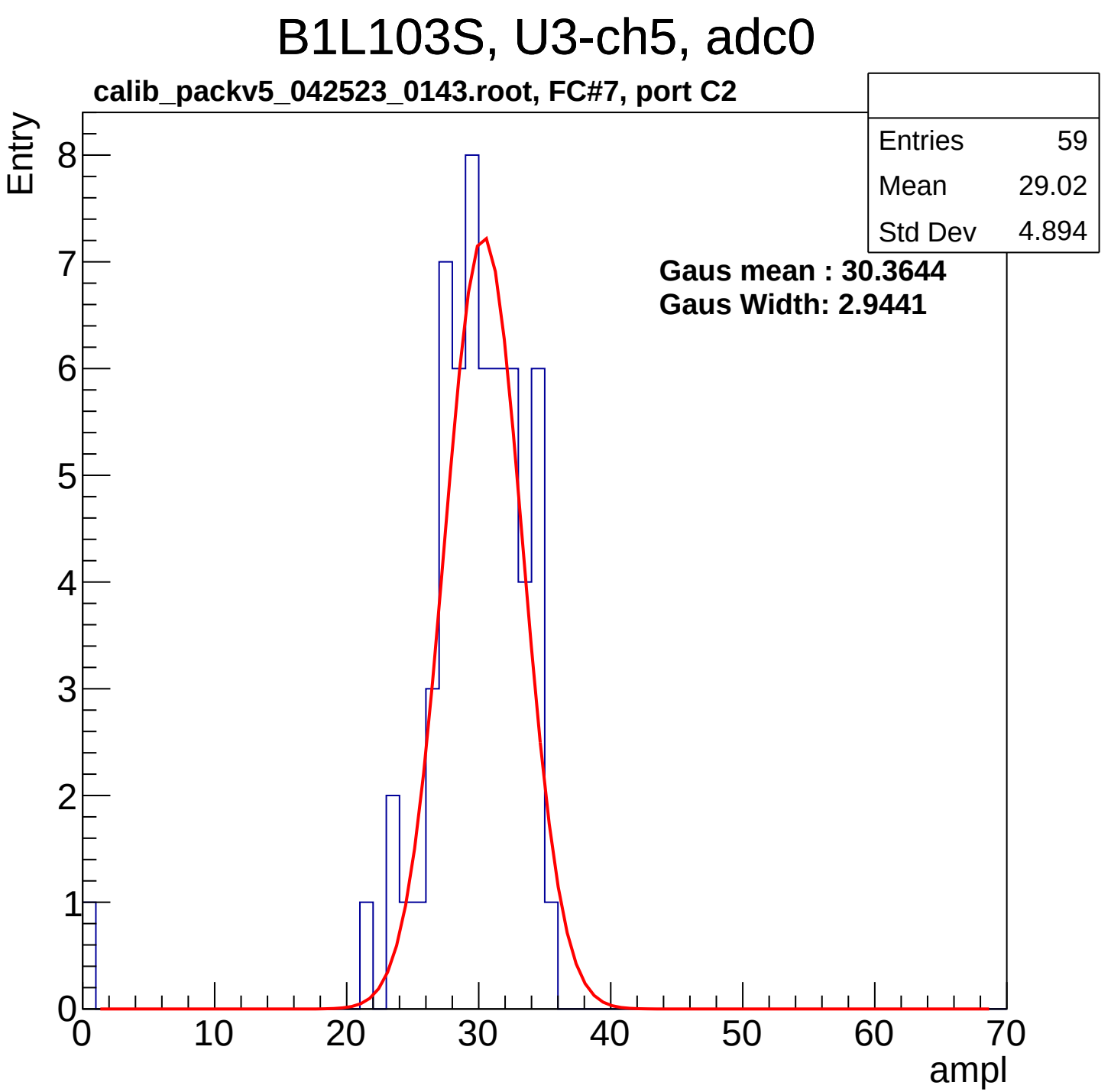
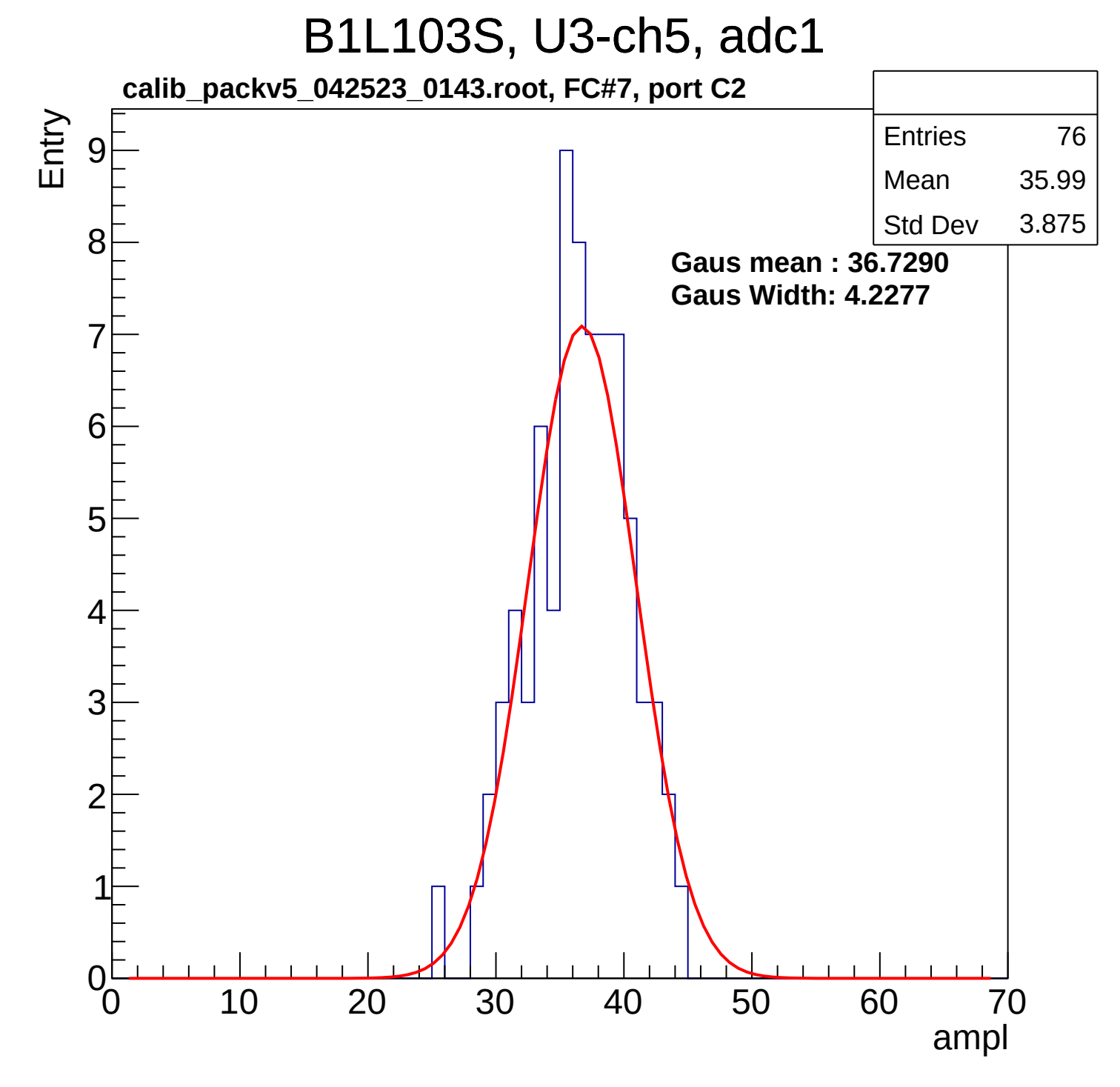

B1L103S, U3-ch4, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 17
Mean 61.47
Std Dev 1.684
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch4, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 31.25
Std Dev 31.25
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


B1L103S, U3-ch5, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 29.02
Std Dev 4.894
Gaus mean : 30.3644
Gaus Width: 2.9441
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch5, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 35.99
Std Dev 3.875
Gaus mean : 36.7290
Gaus Width: 4.2277
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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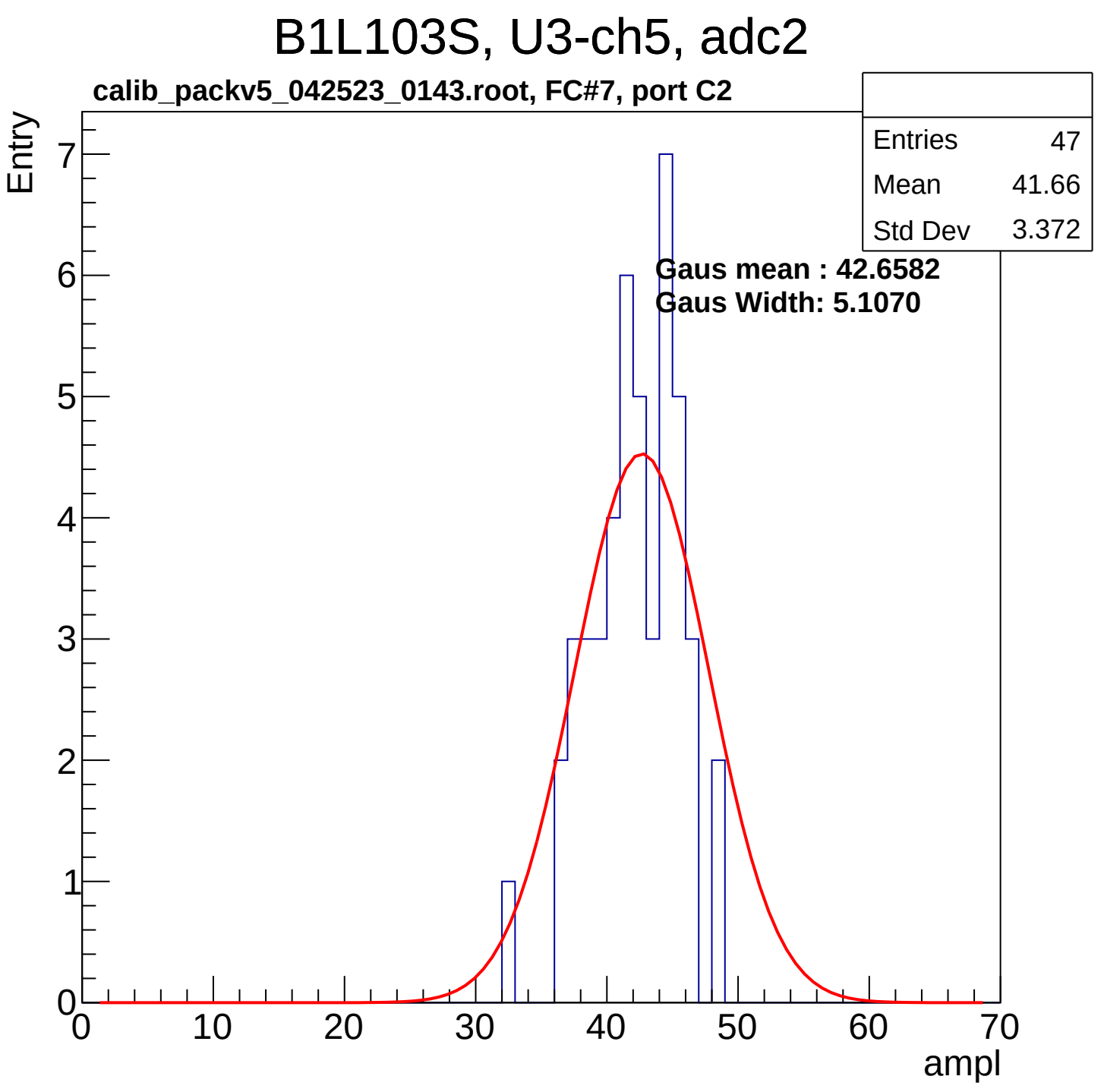
B1L103S, U3-ch5, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 41.66
Std Dev 3.372
Gaus mean : 42.6582
Gaus Width: 5.1070
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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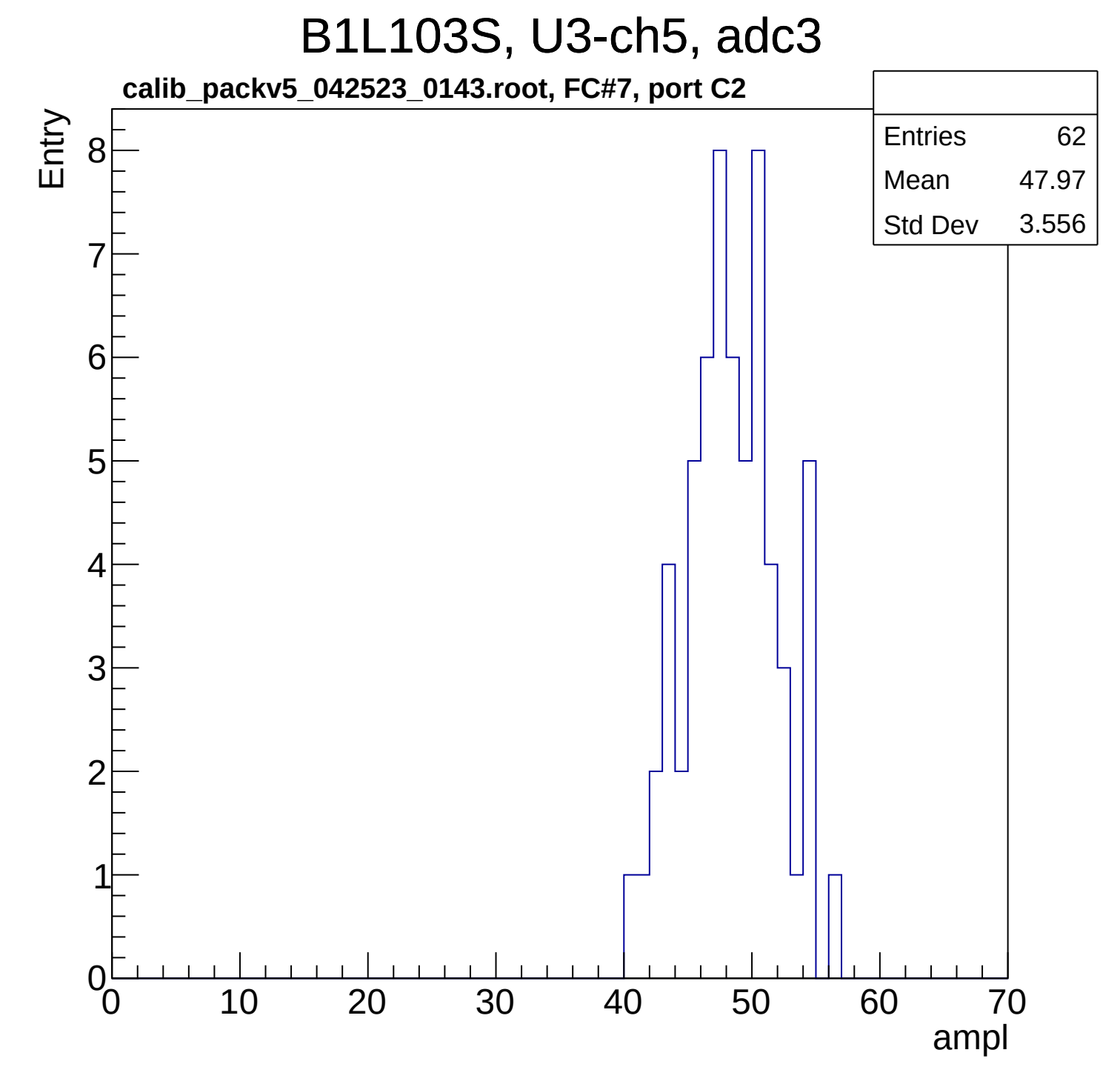
B1L103S, U3-ch5, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 47.97
Std Dev 3.556
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
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60
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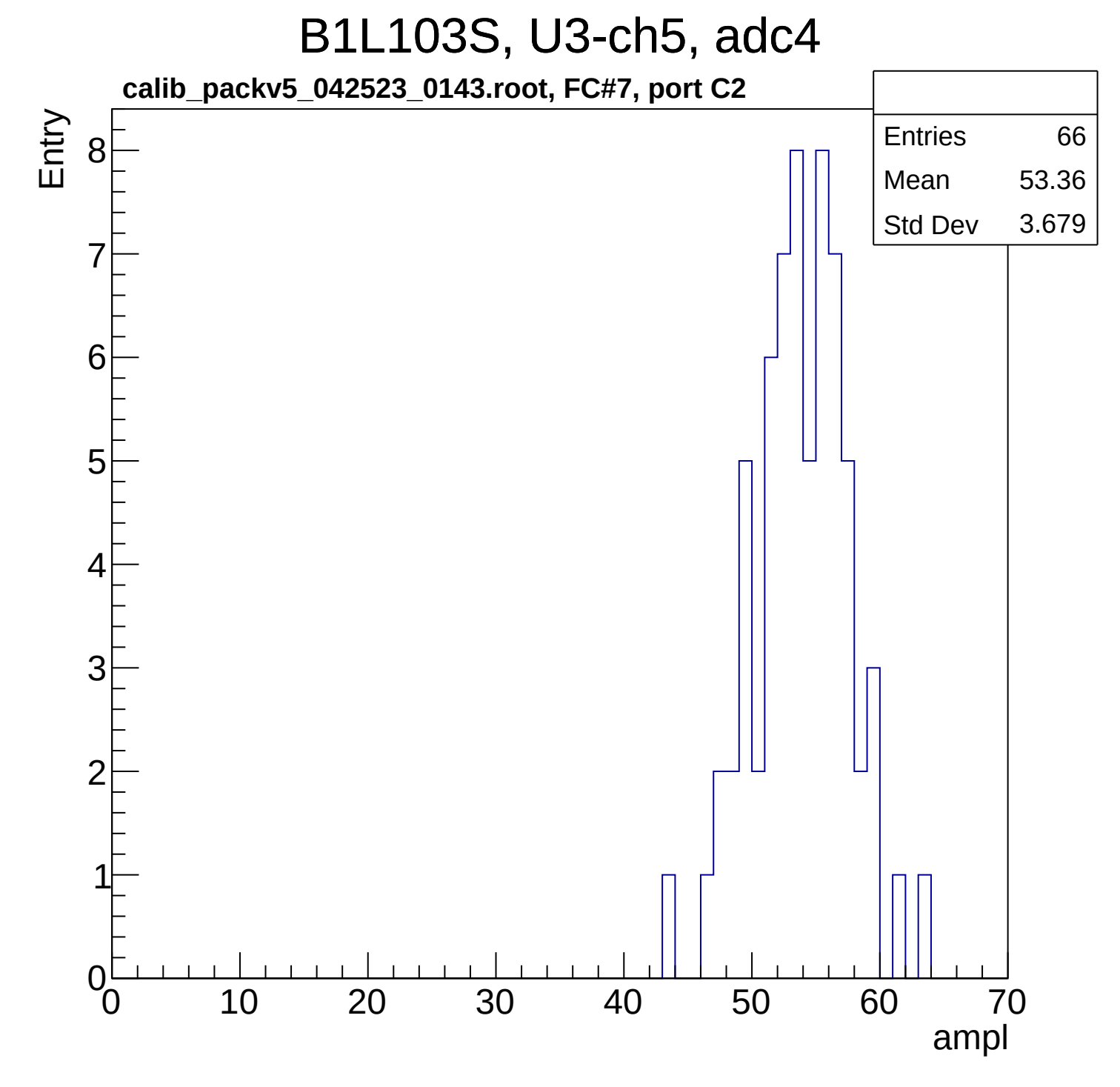
B1L103S, U3-ch5, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 53.36
Std Dev 3.679
Entry
ampl
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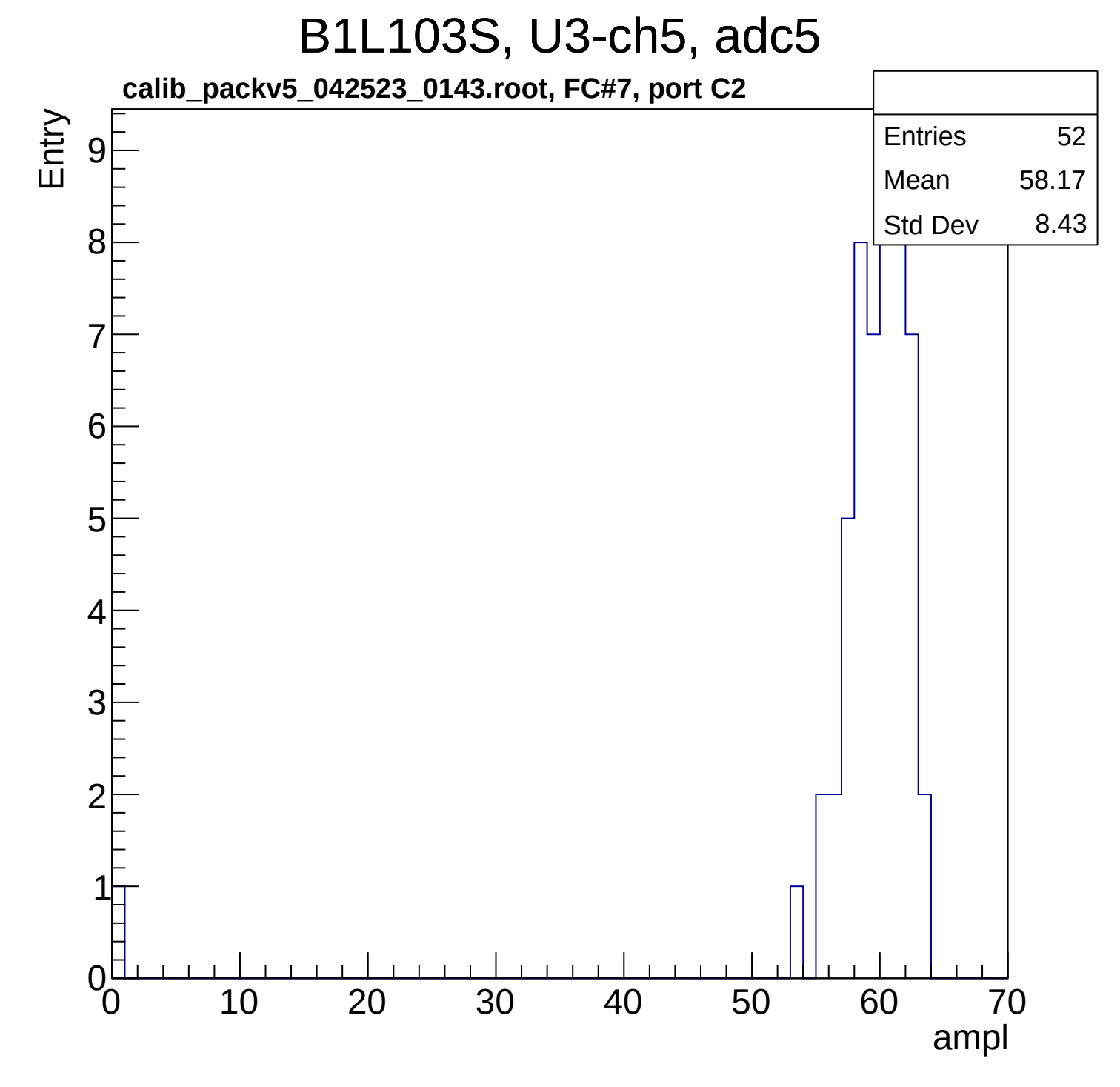
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch5, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 58.17
Std Dev 8.43
Entry
ampl
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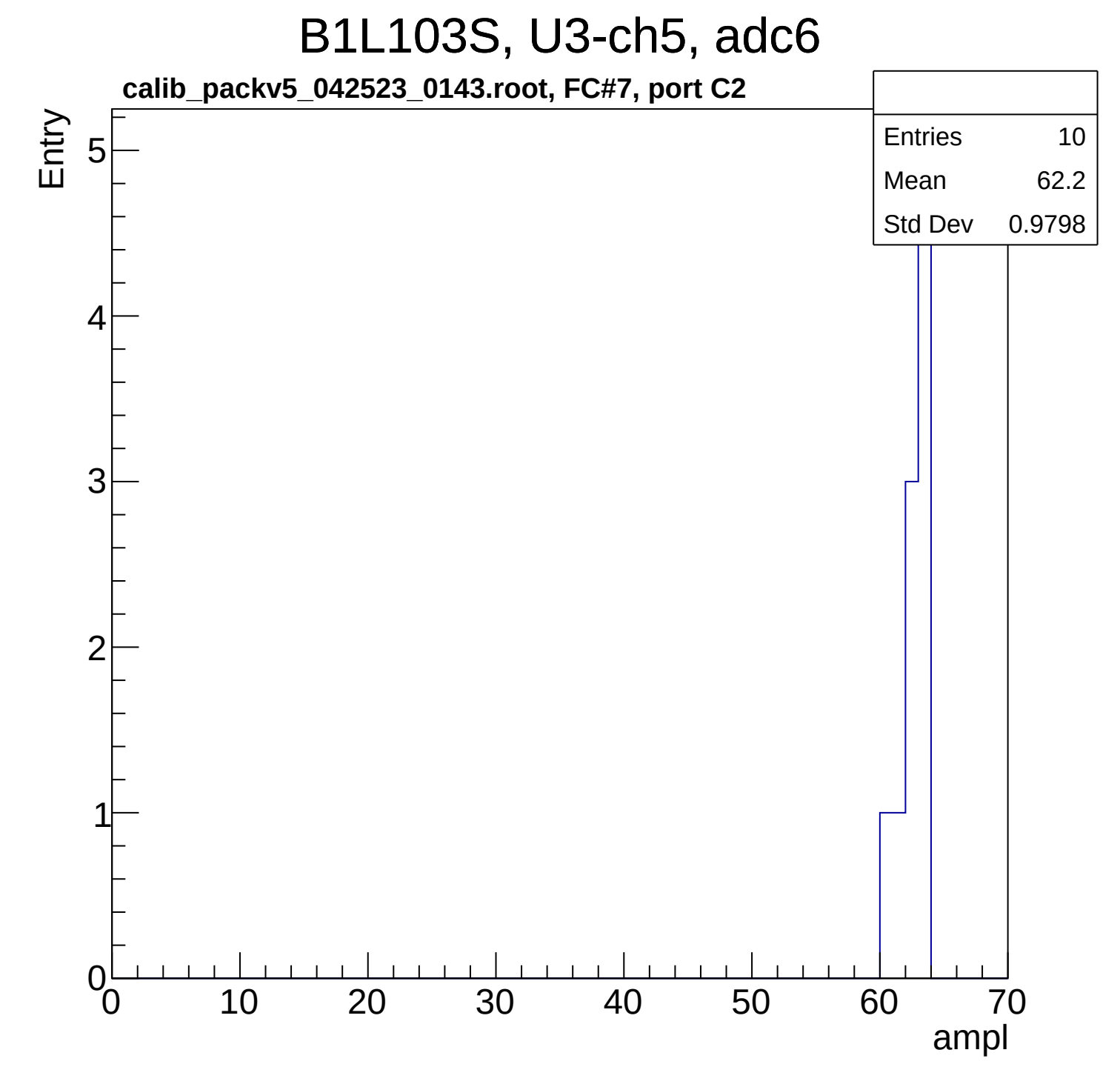
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch5, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 62.2
Std Dev 0.9798
Entry
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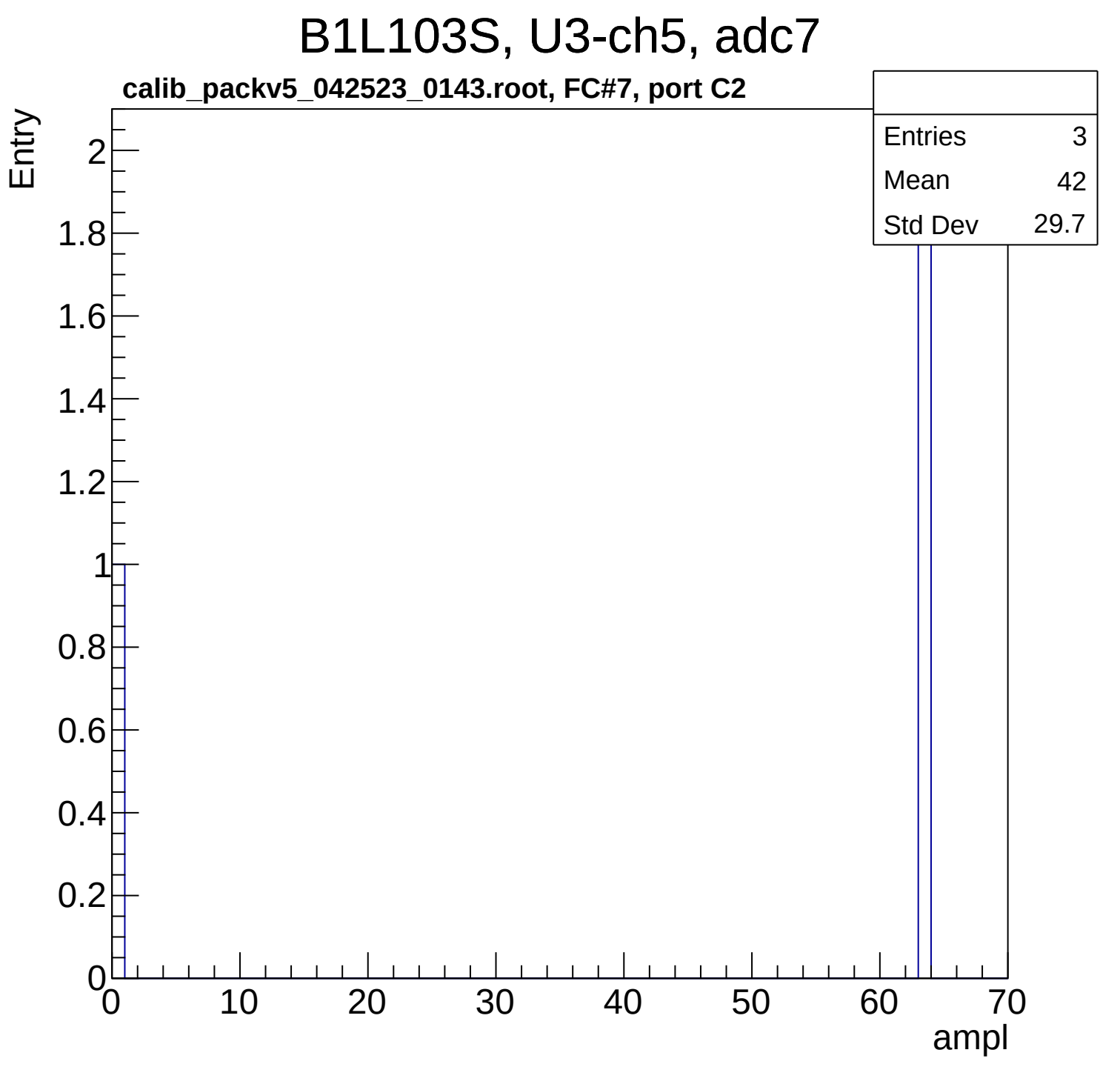
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch5, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 42
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
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1
1.2
1.4
1.6
1.8
2
0
10
20
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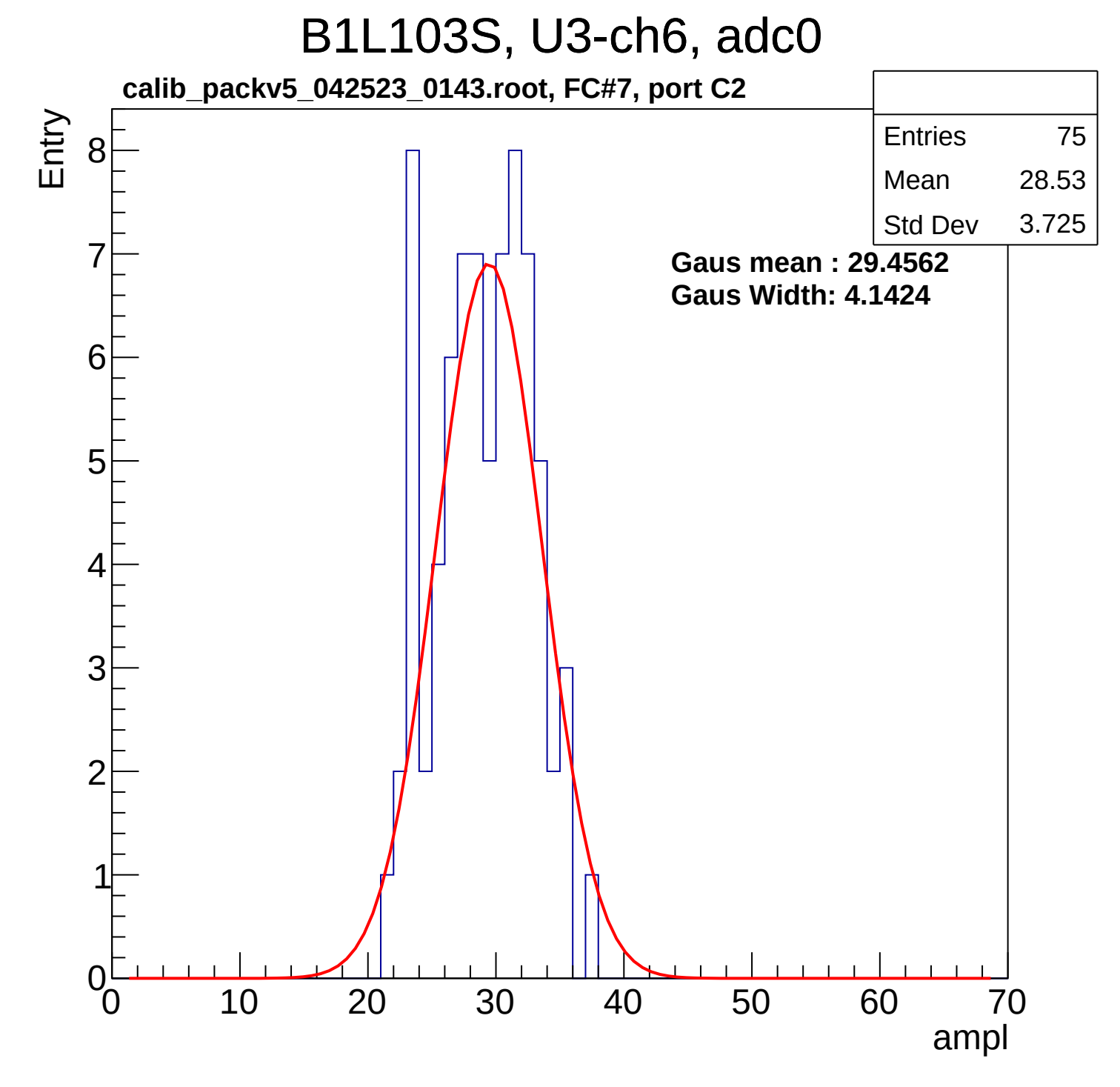
40
50
60
70


B1L103S, U3-ch6, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 28.53
Std Dev 3.725
Gaus mean : 29.4562
Gaus Width: 4.1424
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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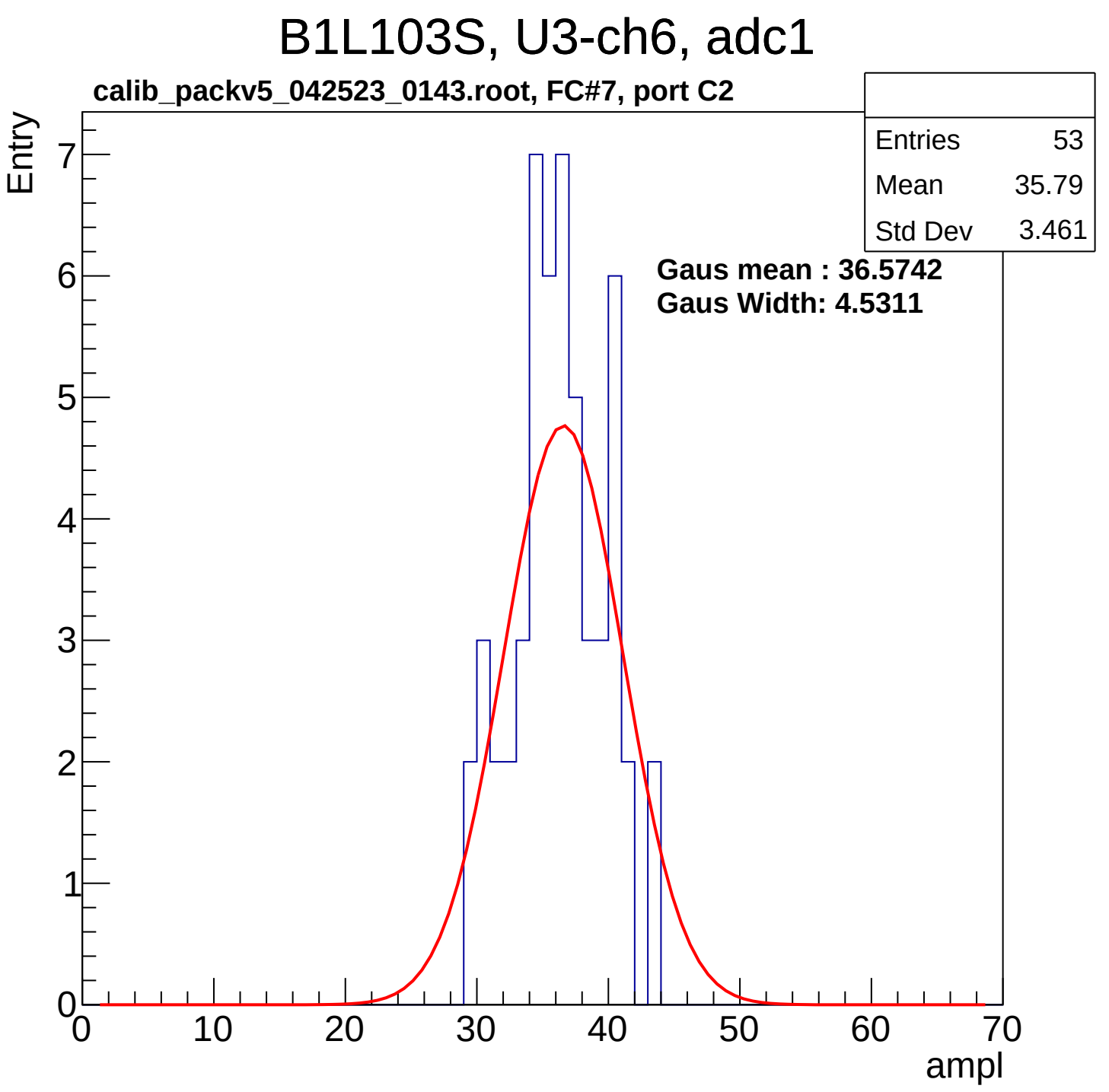
60
70


B1L103S, U3-ch6, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 35.79
Std Dev 3.461
Gaus mean : 36.5742
Gaus Width: 4.5311
Entry
ampl
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1
2
3
4
5
6
7
0
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20
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60
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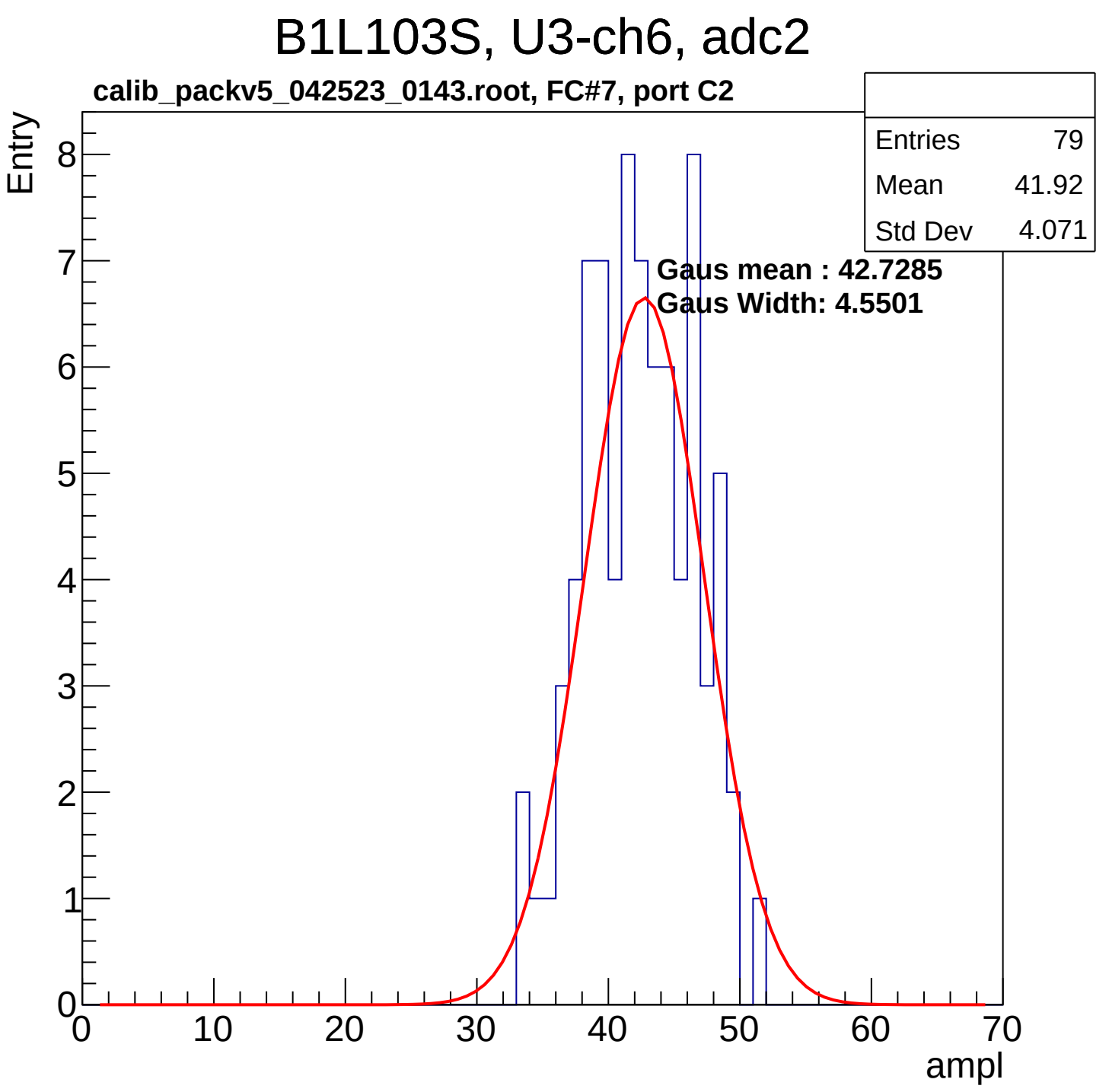
B1L103S, U3-ch6, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 41.92
Std Dev 4.071
Gaus mean : 42.7285
Gaus Width: 4.5501
Entry
ampl
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7
8
0
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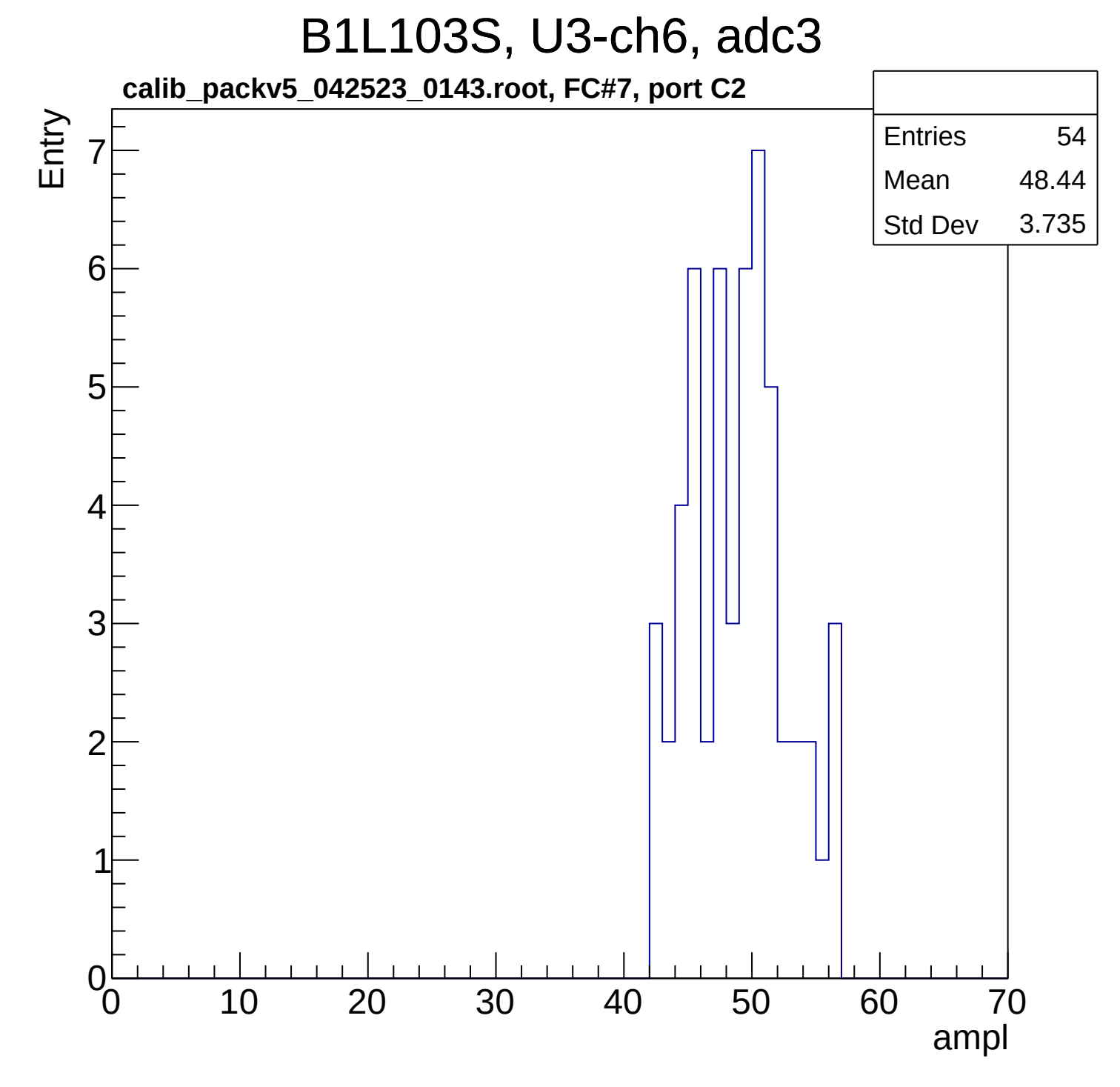
B1L103S, U3-ch6, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 48.44
Std Dev 3.735
Entry
ampl
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5
6
7
0
10
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40
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60
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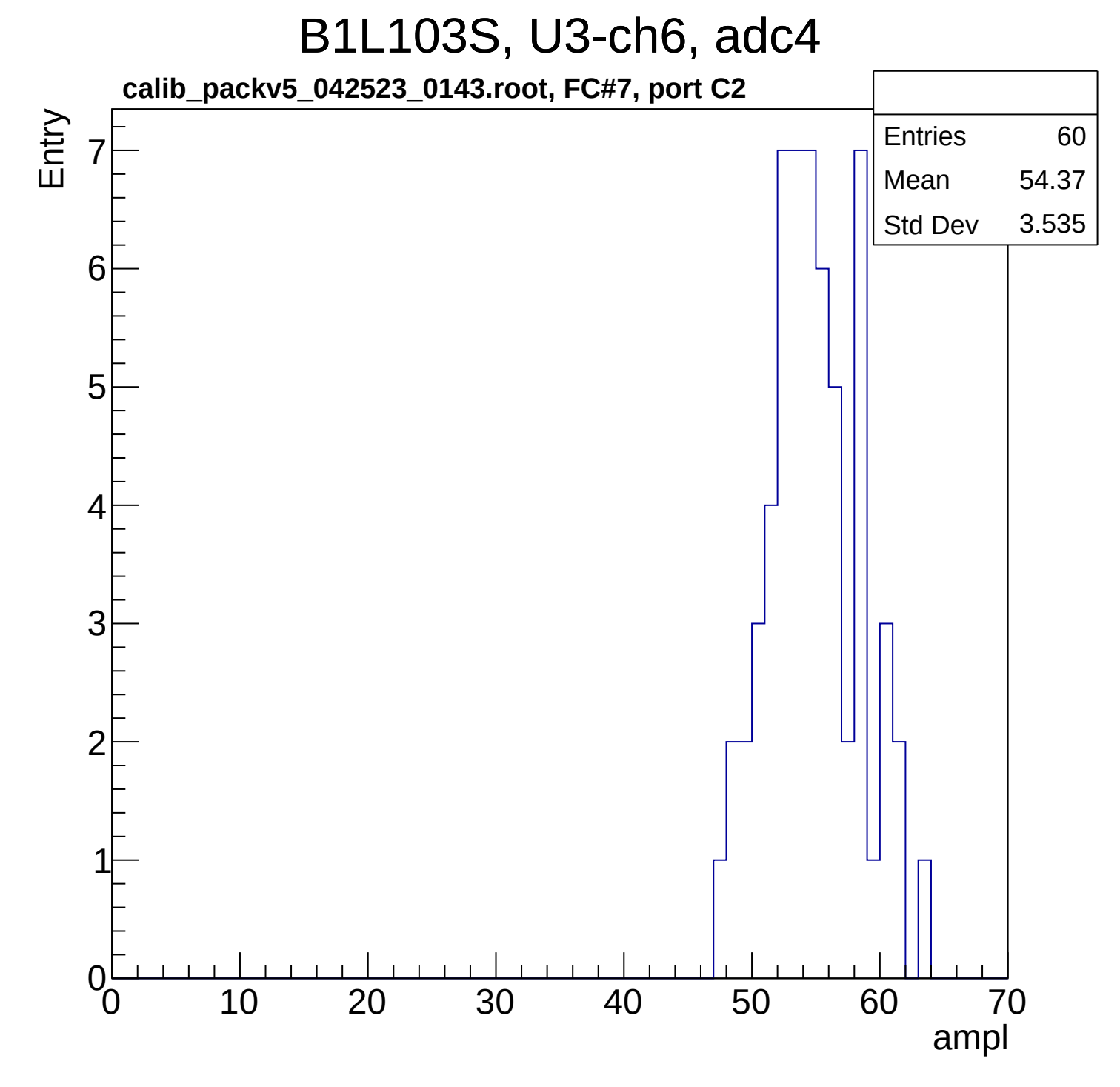
B1L103S, U3-ch6, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 54.37
Std Dev 3.535
Entry
ampl
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4
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6
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0
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20
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40
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60
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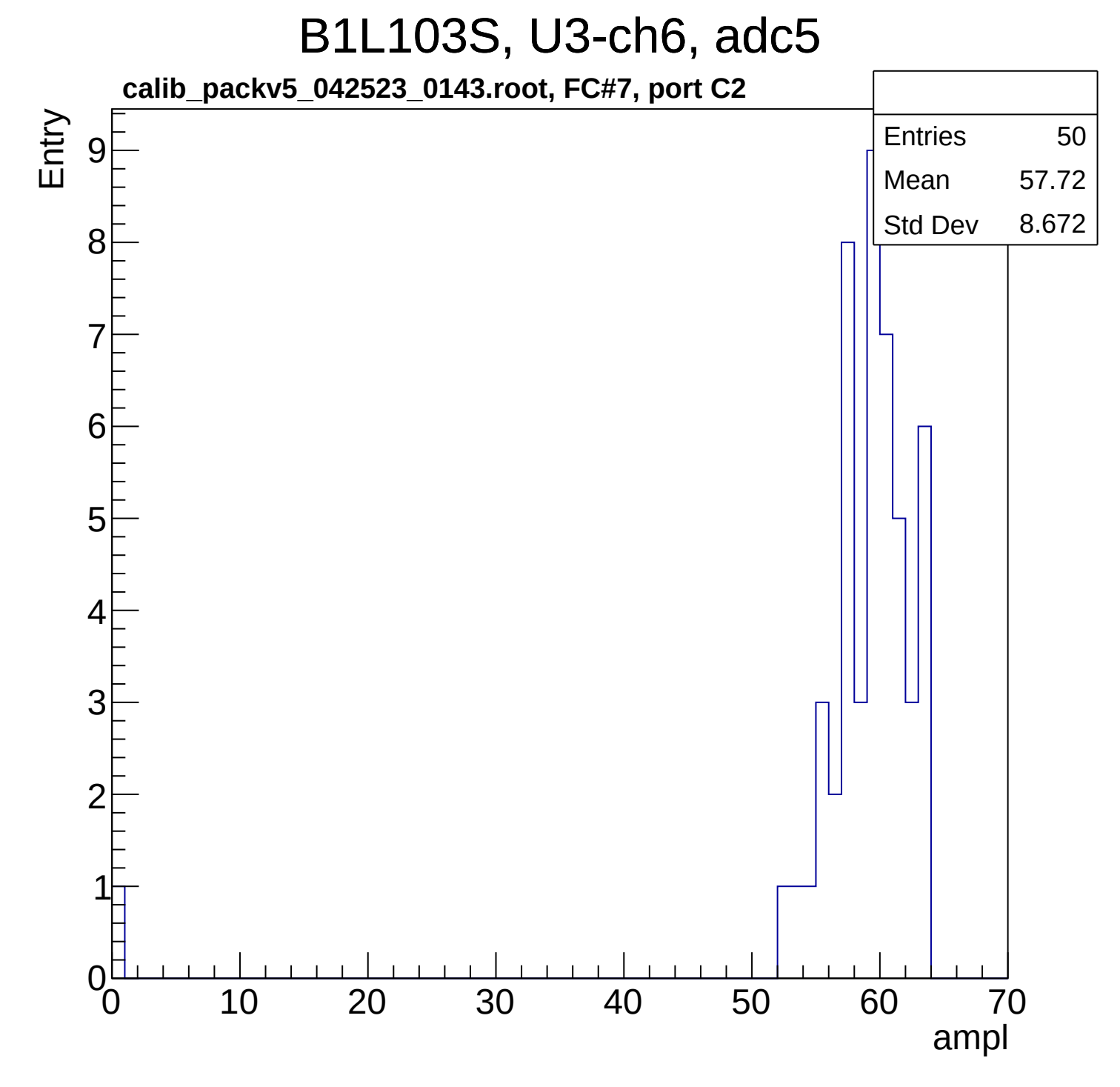
B1L103S, U3-ch6, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 57.72
Std Dev 8.672
Entry
ampl
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2
3
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6
7
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0
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40
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60
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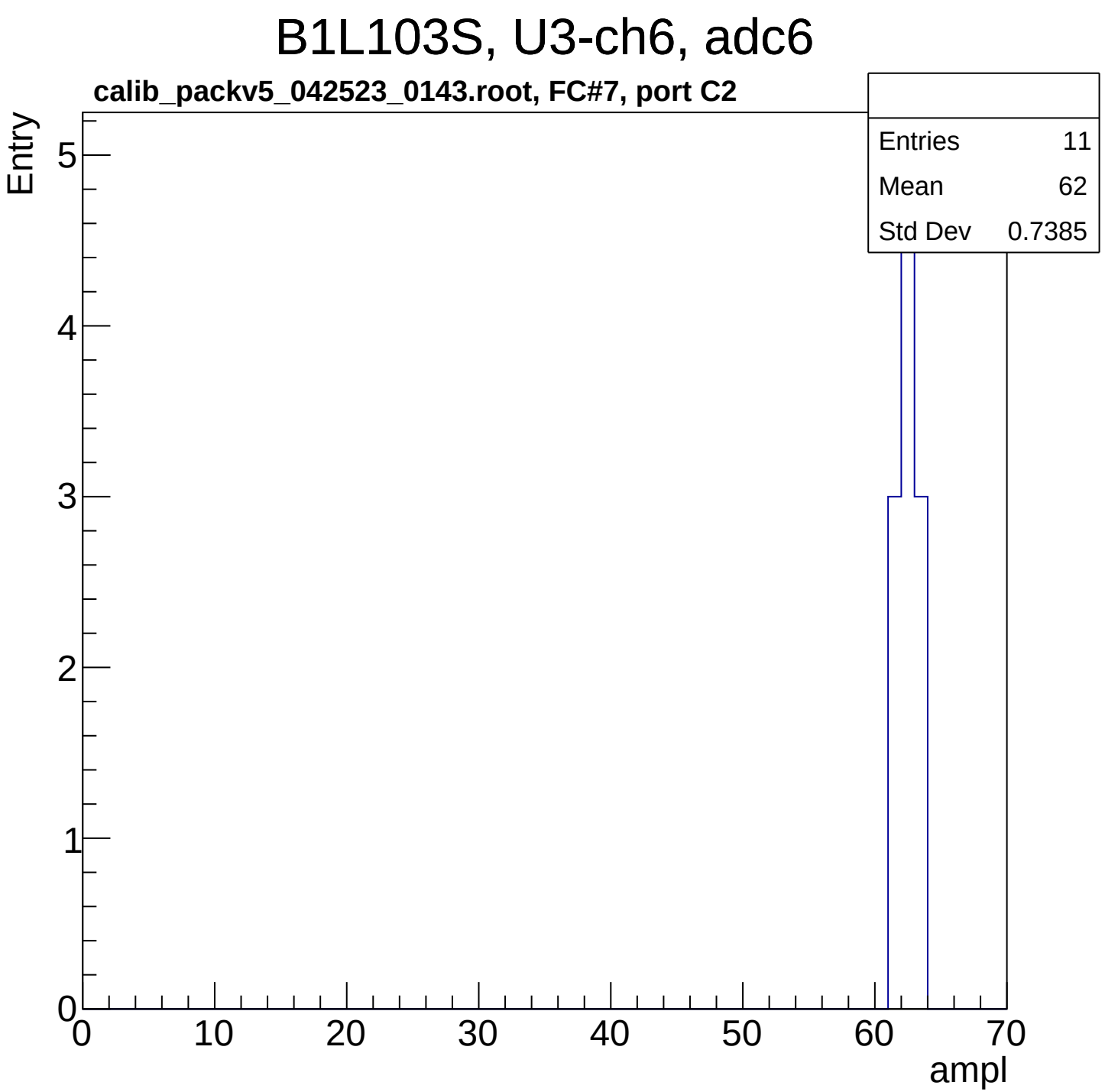
B1L103S, U3-ch6, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 62
Std Dev 0.7385
Entry
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2
3
4
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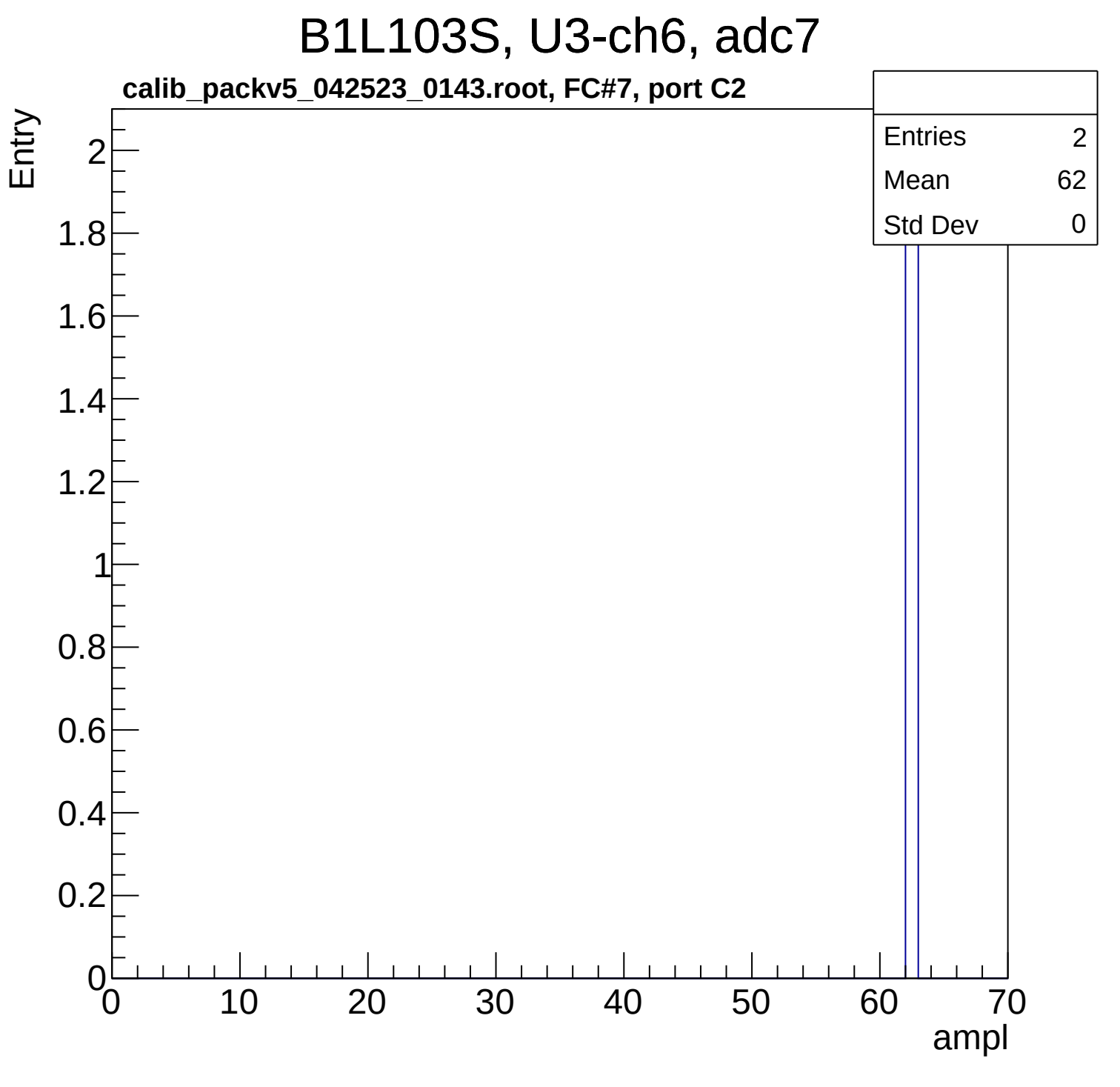
20
30
40
50
60
70
ampl


B1L103S, U3-ch6, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 62
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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40
50
60
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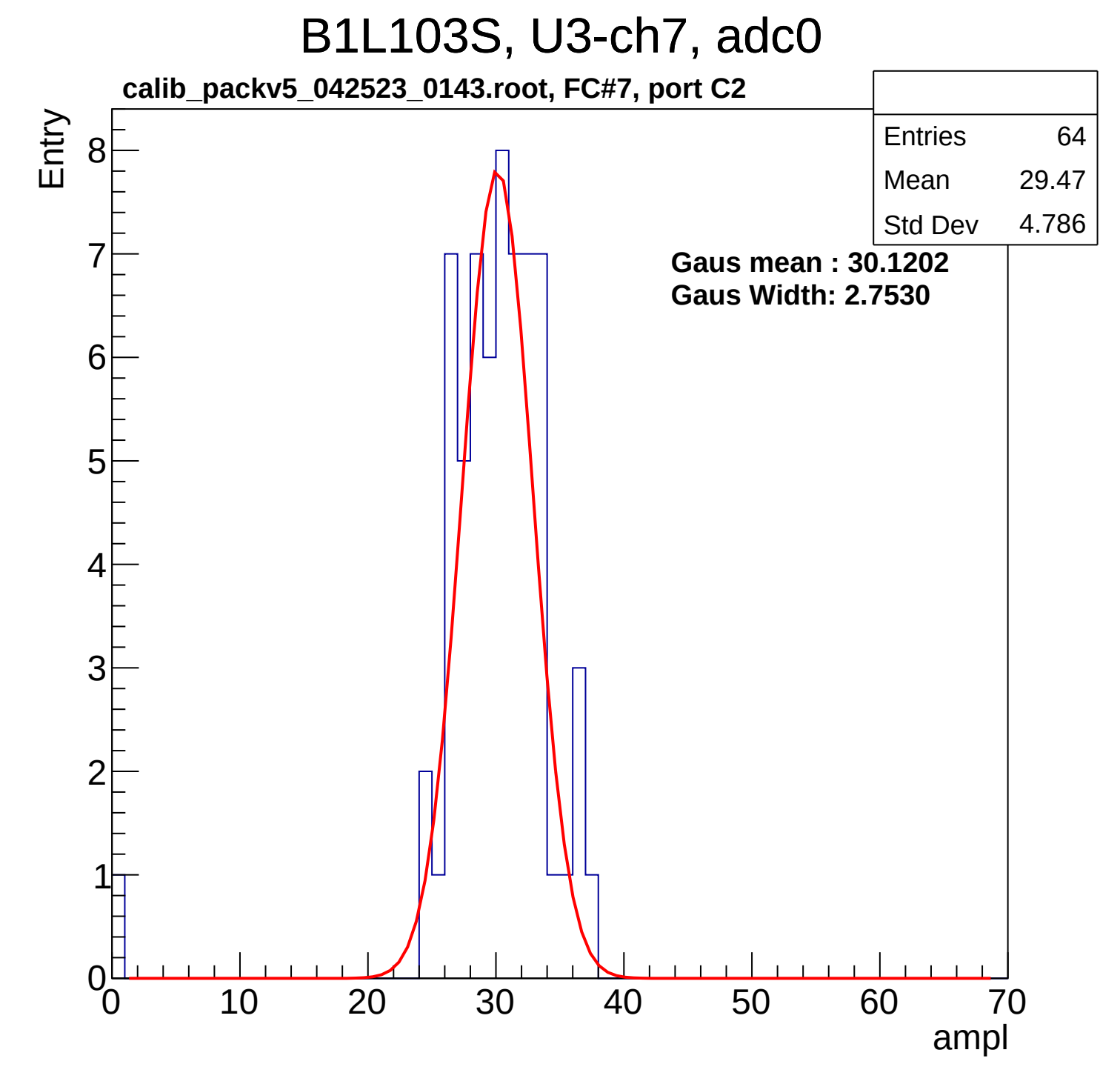
B1L103S, U3-ch7, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 29.47
Std Dev 4.786
Gaus mean : 30.1202
Gaus Width: 2.7530
Entry
ampl
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2
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4
5
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0
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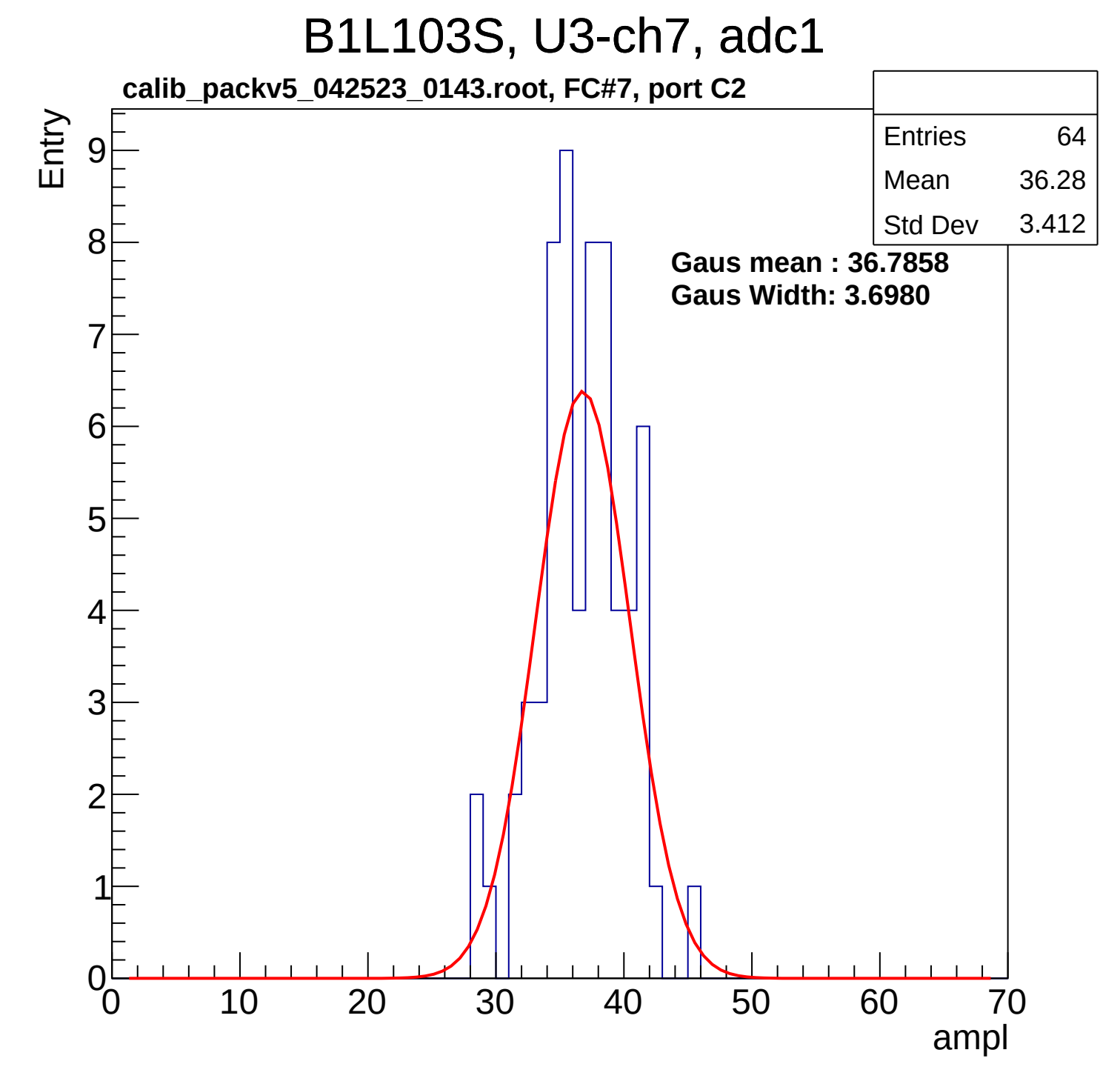
B1L103S, U3-ch7, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 36.28
Std Dev 3.412
Gaus mean : 36.7858
Gaus Width: 3.6980
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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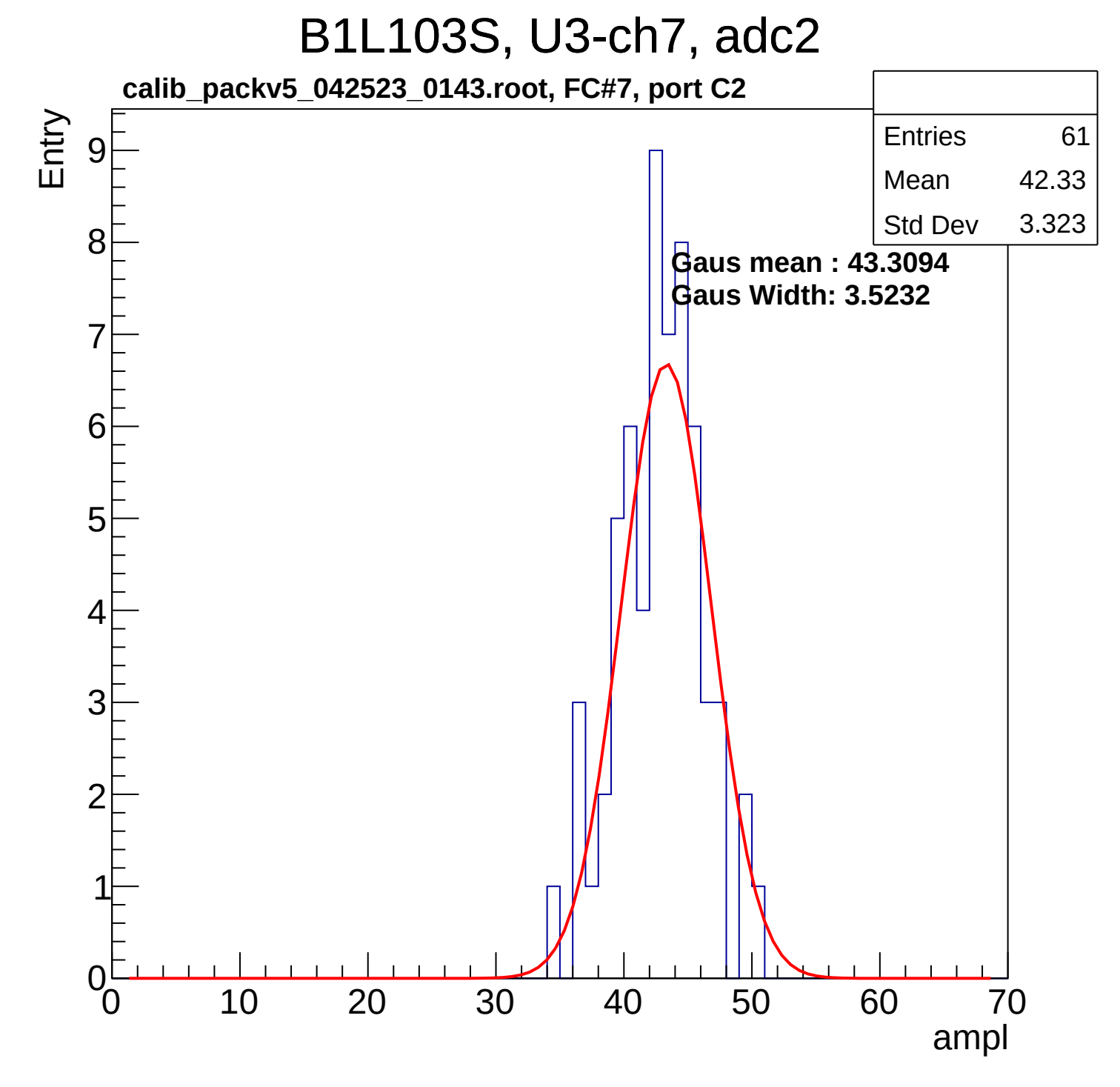
B1L103S, U3-ch7, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 42.33
Std Dev 3.323
Gaus mean : 43.3094
Gaus Width: 3.5232
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
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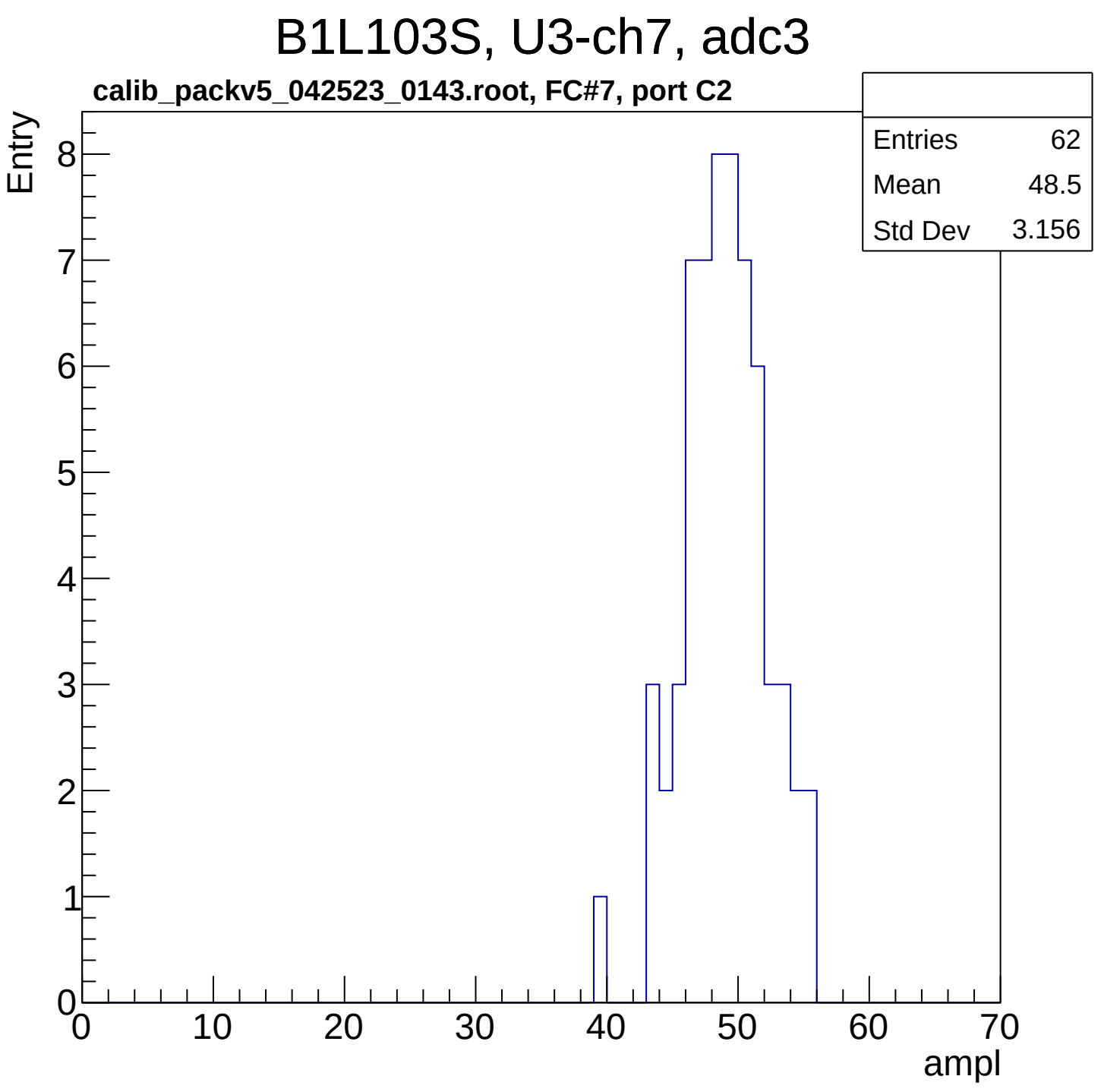
B1L103S, U3-ch7, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 48.5
Std Dev 3.156
Entry
ampl
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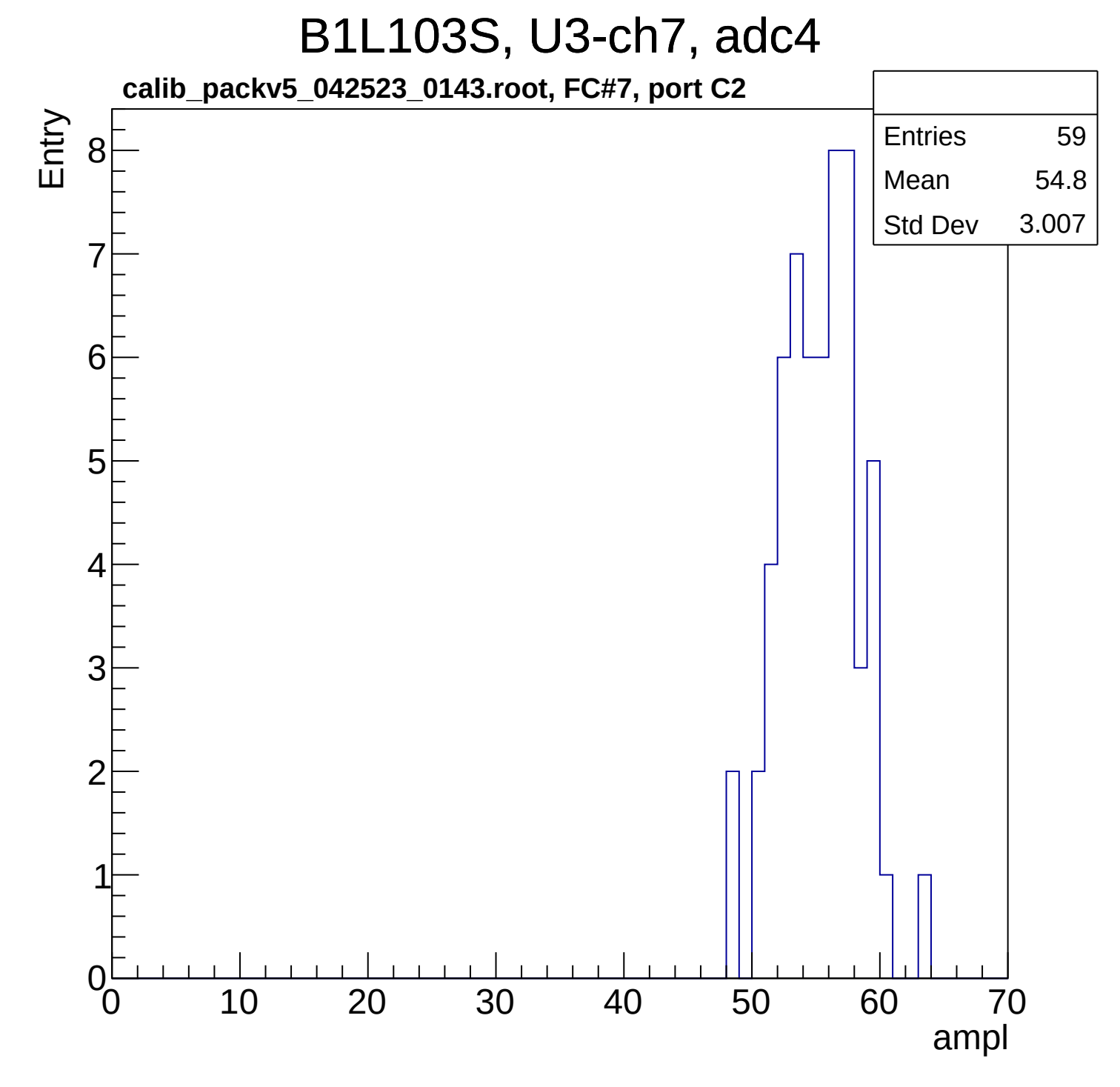
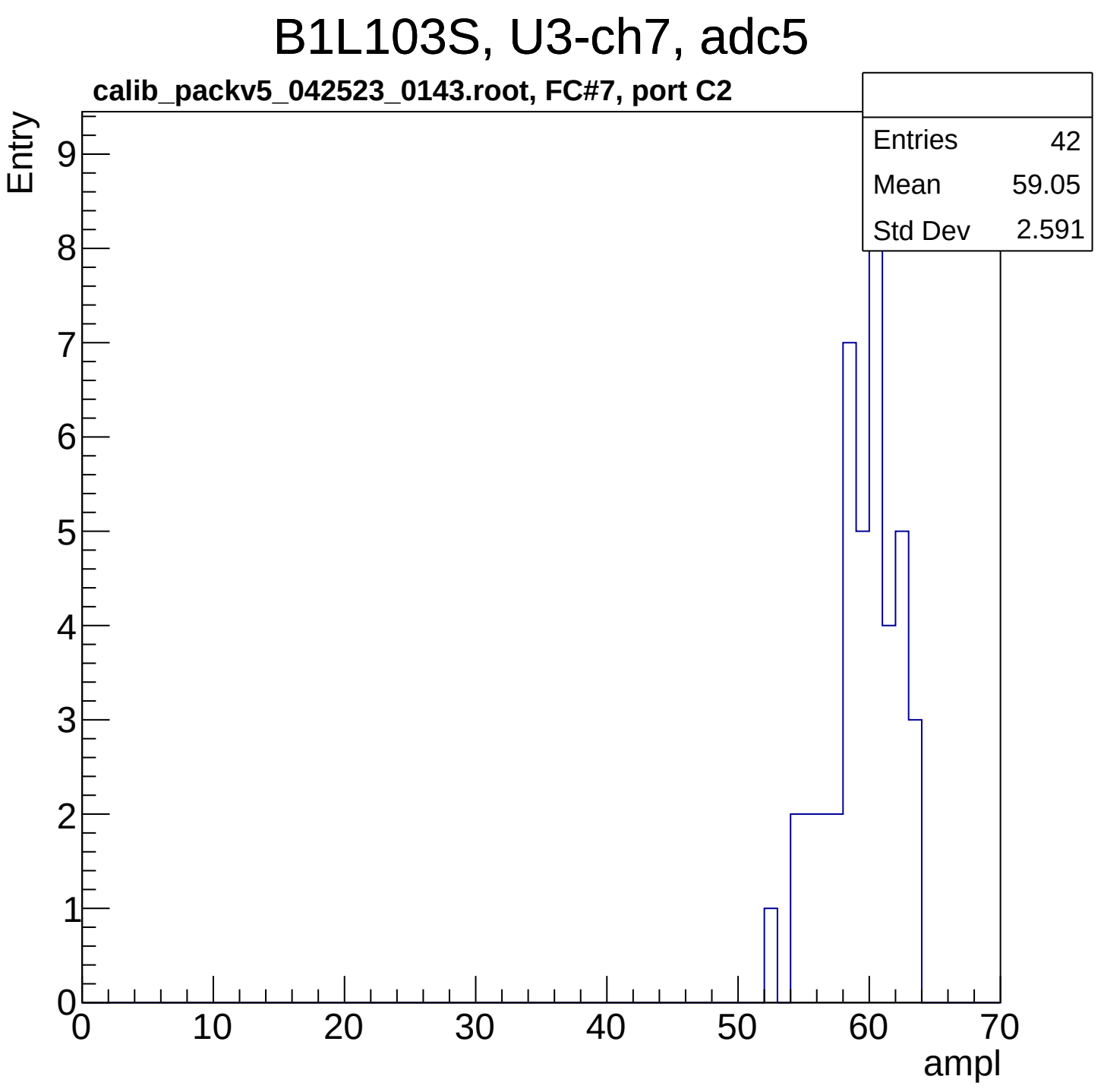

B1L103S, U3-ch7, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 54.8
Std Dev 3.007
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch7, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 59.05
Std Dev 2.591
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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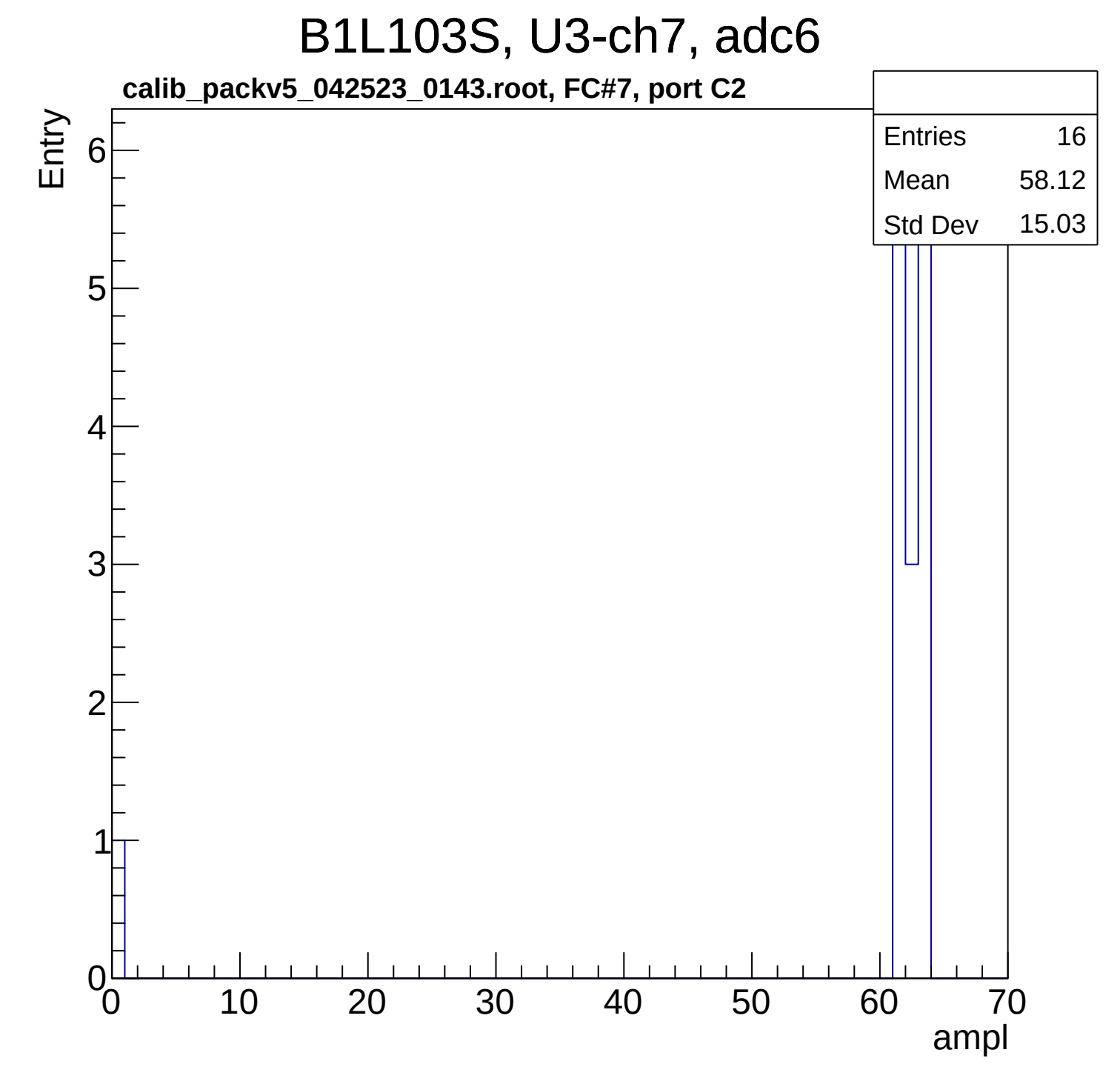
B1L103S, U3-ch7, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 58.12
Std Dev 15.03
Entry
0
1
2
3
4
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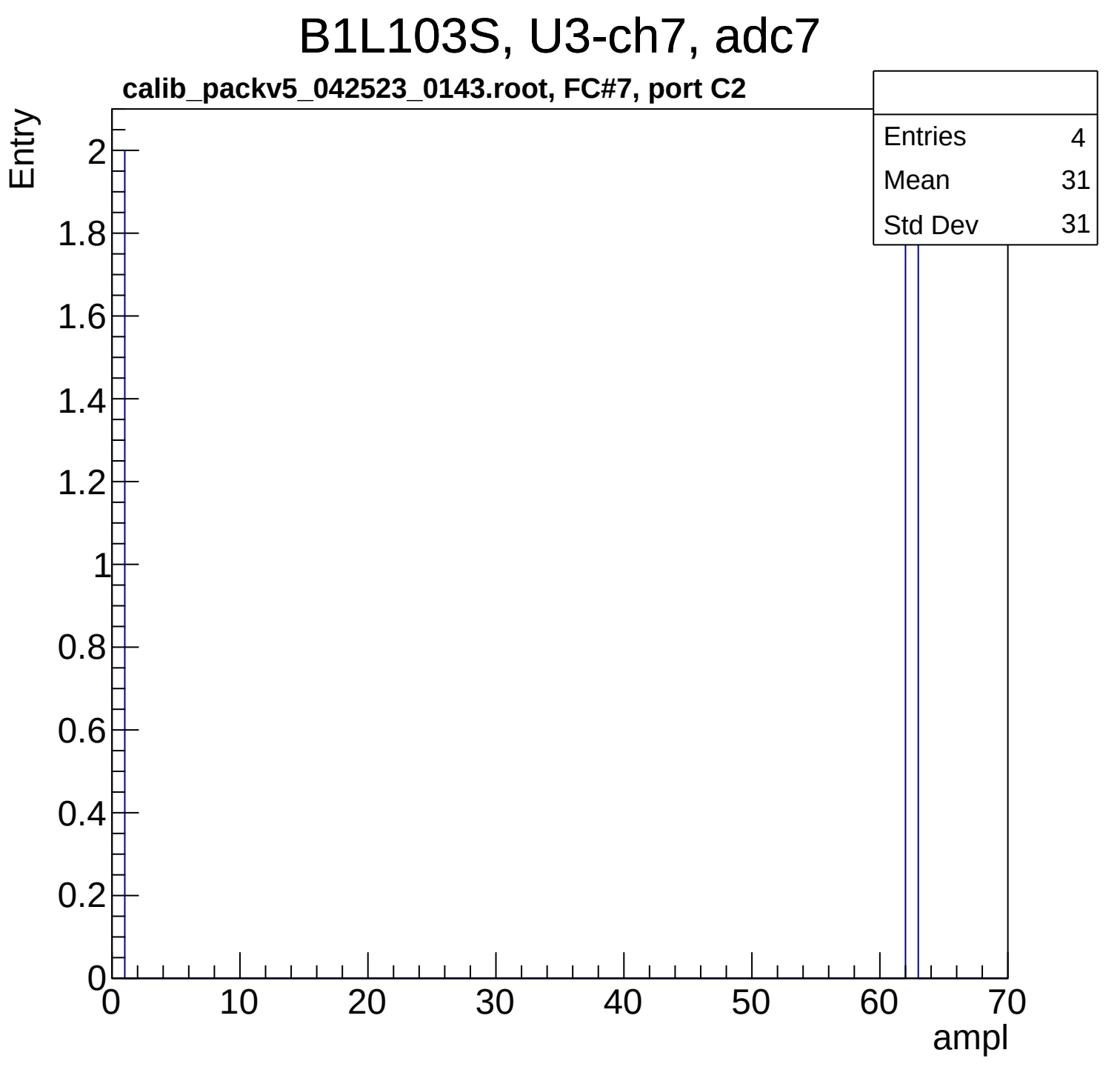
50
60
70
ampl


B1L103S, U3-ch7, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 31
Std Dev 31
Entry
ampl
0
0.2
0.4
0.6
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1
1.2
1.4
1.6
1.8
2
0
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40
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60
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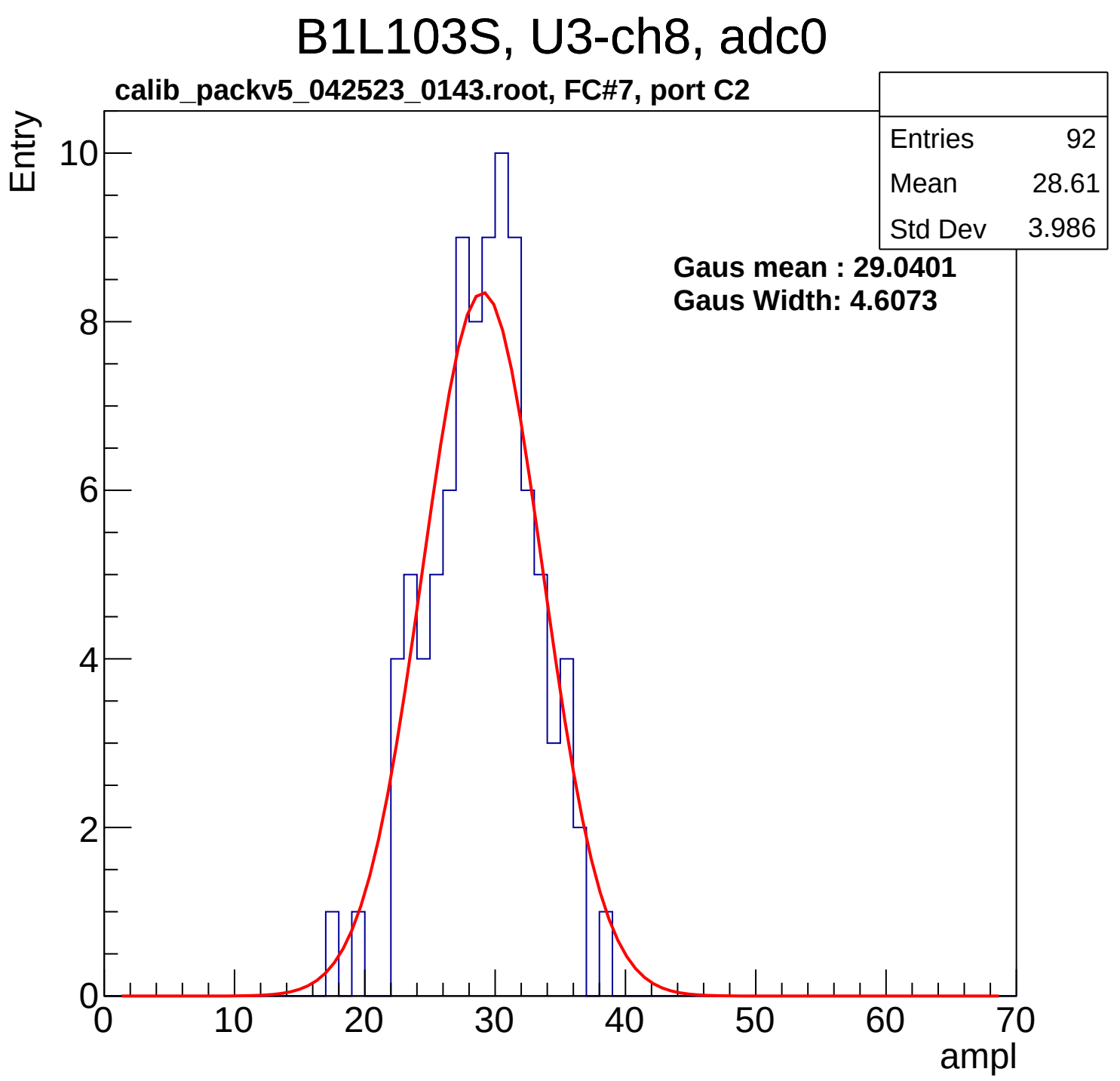
B1L103S, U3-ch8, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 92
Mean 28.61
Std Dev 3.986
Gaus mean : 29.0401
Gaus Width: 4.6073
Entry
ampl
0
2
4
6
8
10
0
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40
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60
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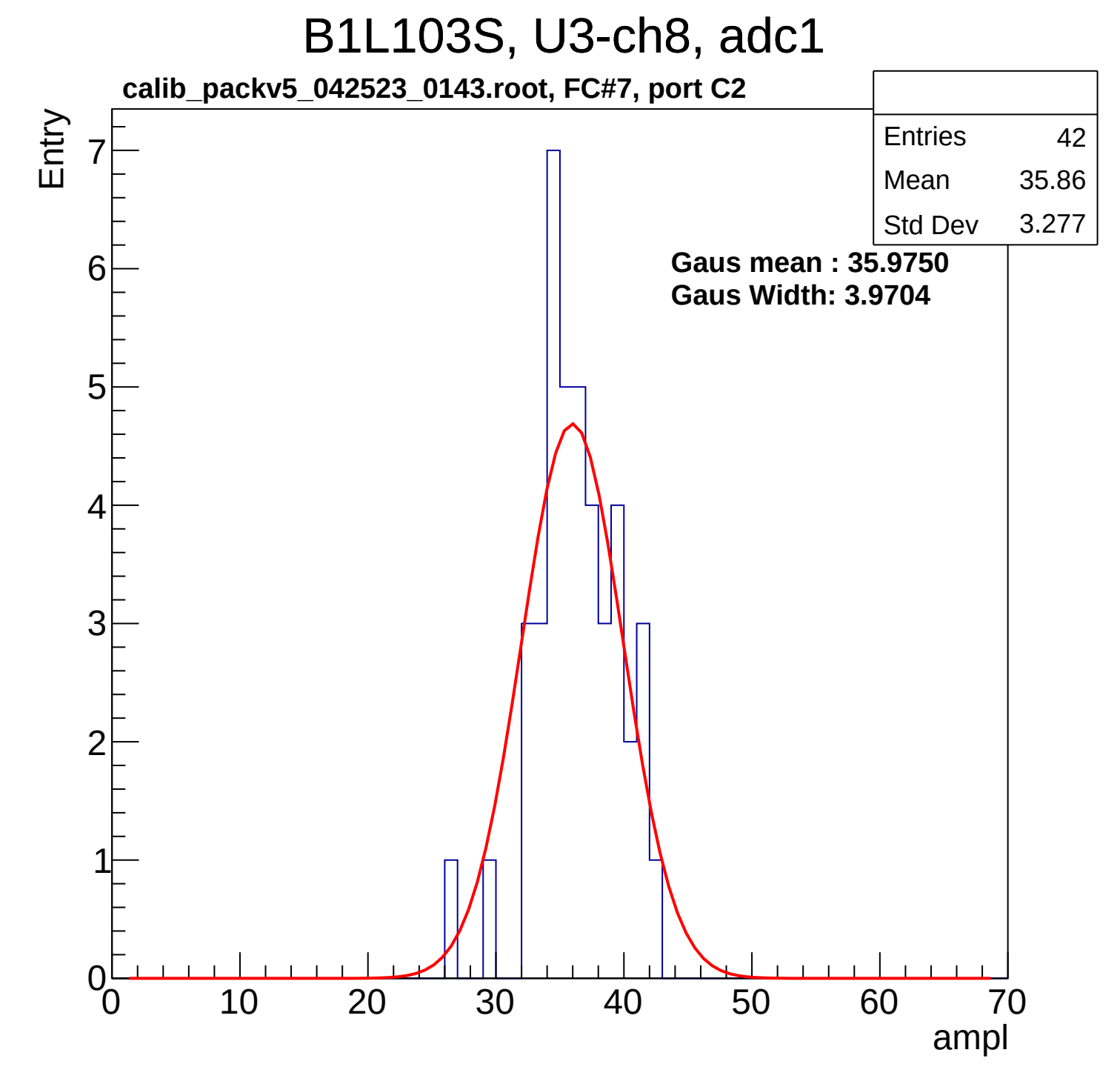
B1L103S, U3-ch8, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 35.86
Std Dev 3.277
Gaus mean : 35.9750
Gaus Width: 3.9704
Entry
ampl
0
1
2
3
4
5
6
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0
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40
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60
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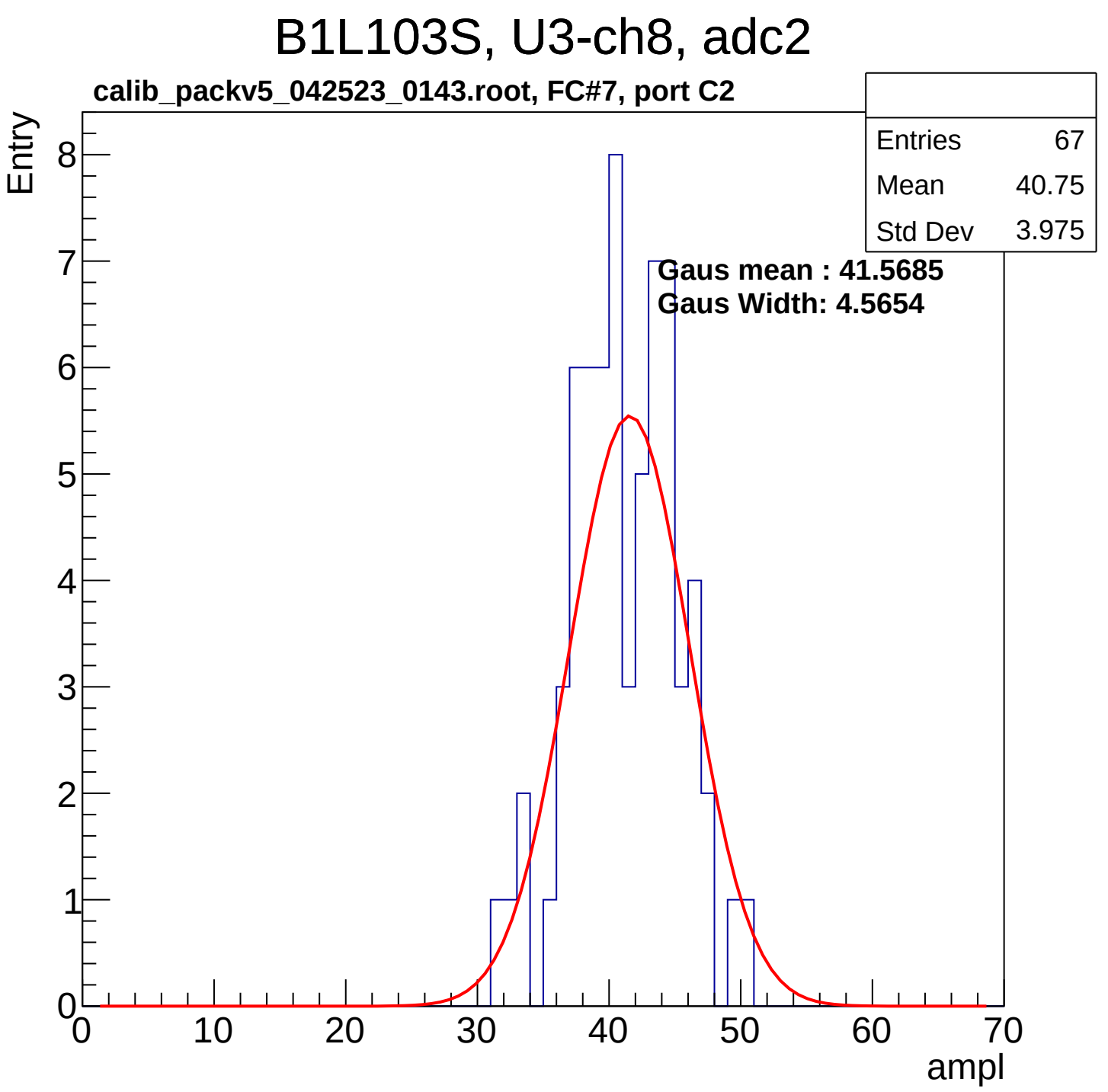
B1L103S, U3-ch8, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 40.75
Std Dev 3.975
Gaus mean : 41.5685
Gaus Width: 4.5654
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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60
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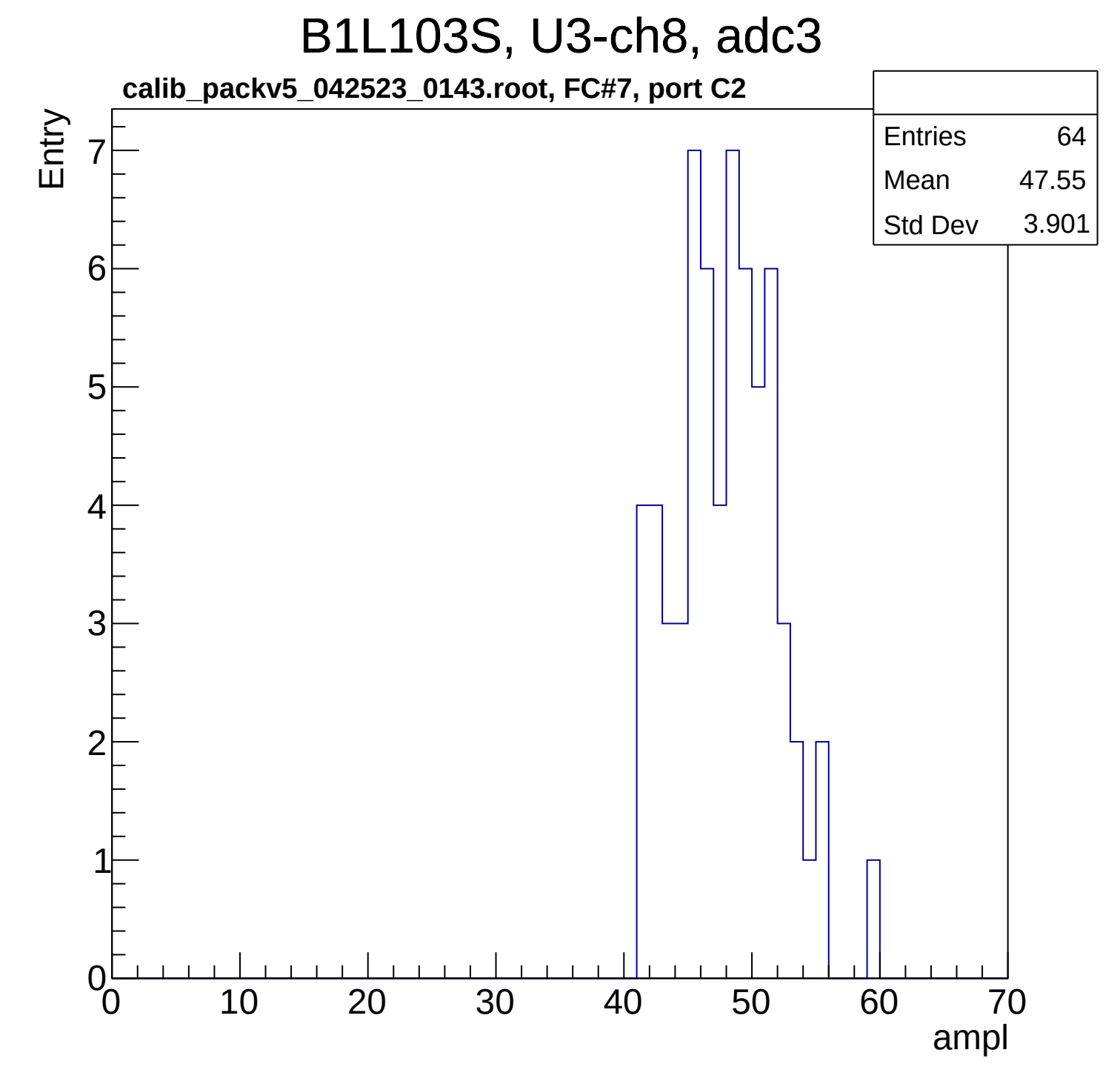
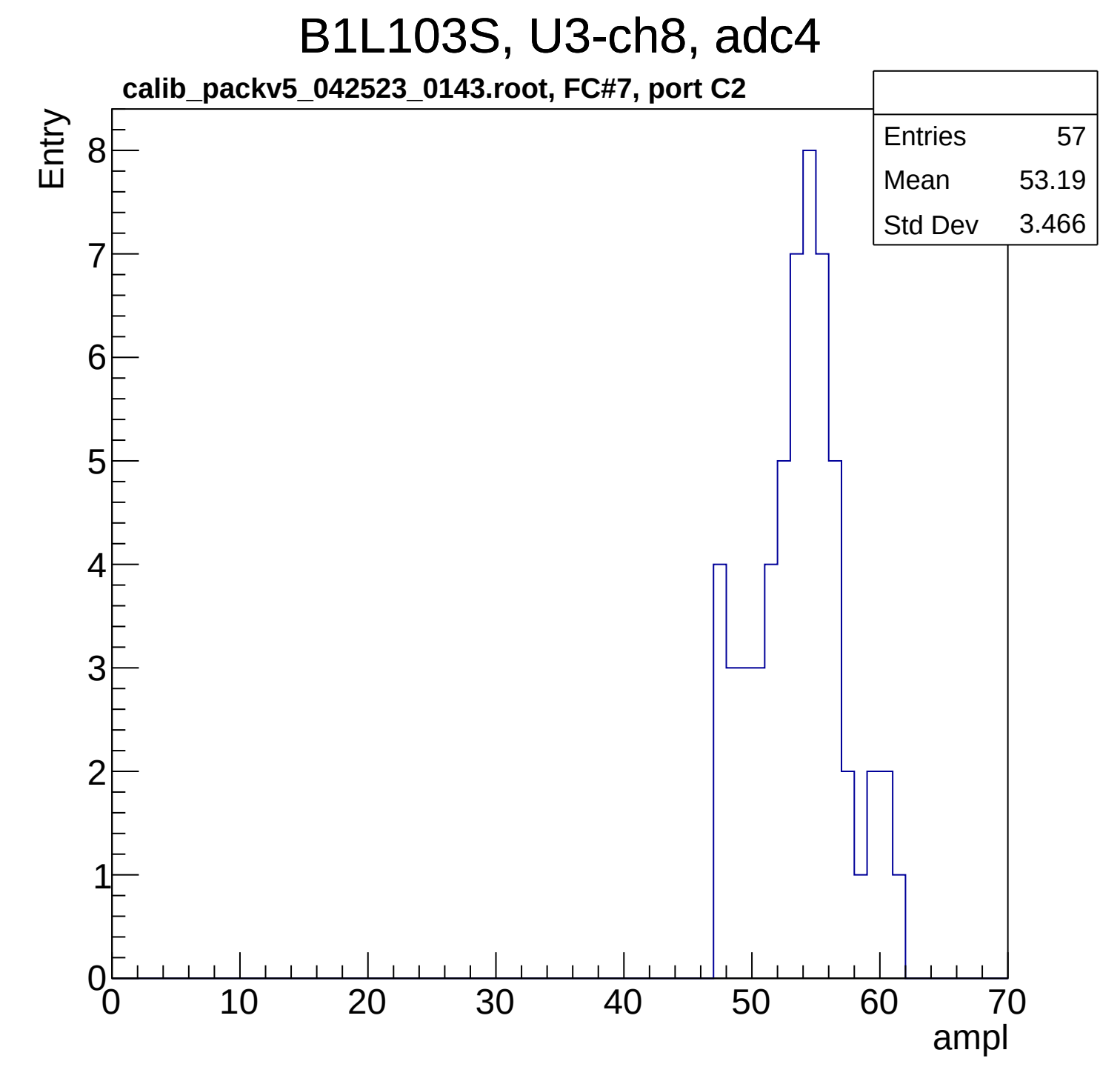

B1L103S, U3-ch8, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 47.55
Std Dev 3.901
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch8, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 53.19
Std Dev 3.466
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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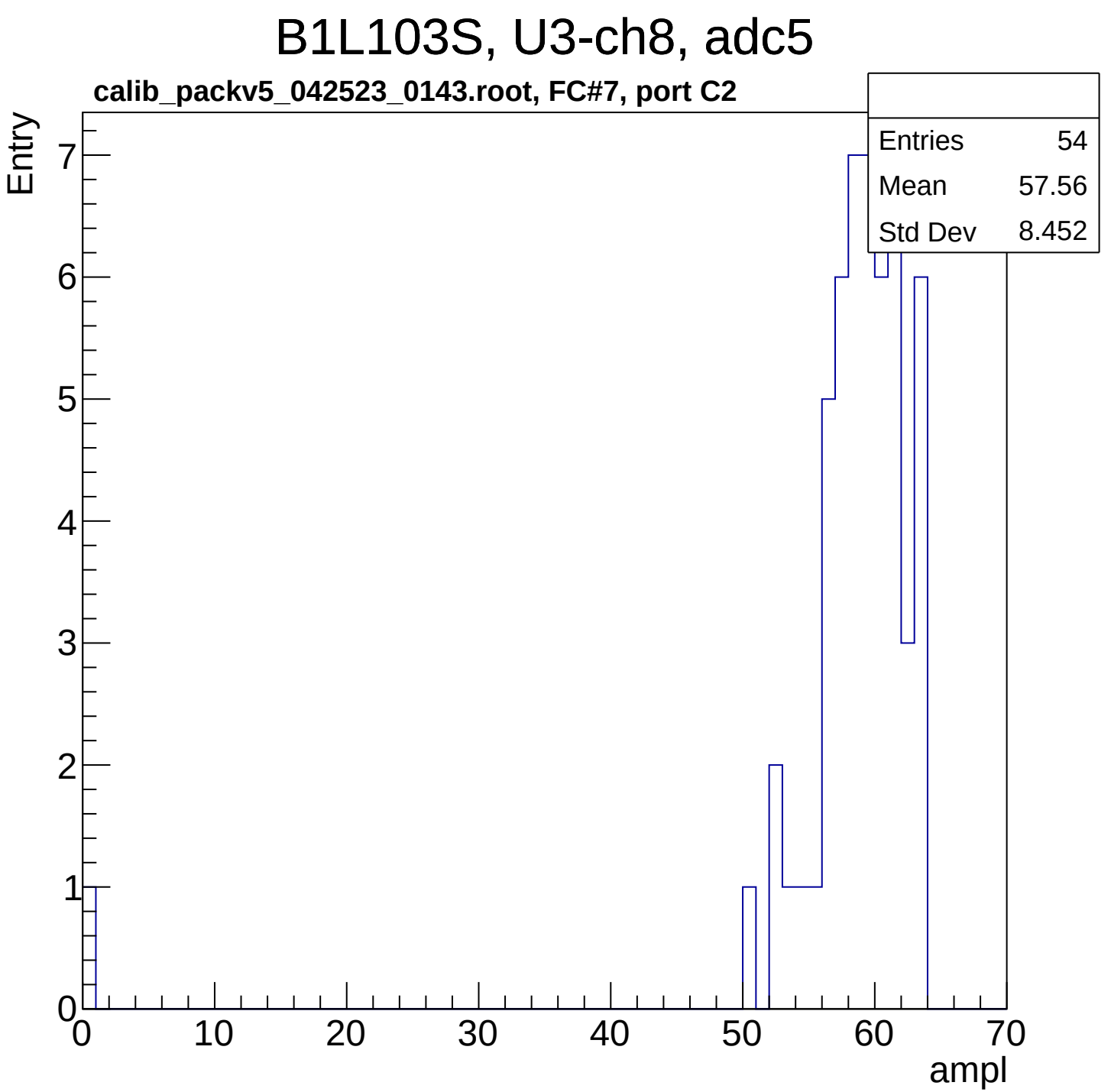
B1L103S, U3-ch8, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 57.56
Std Dev 8.452
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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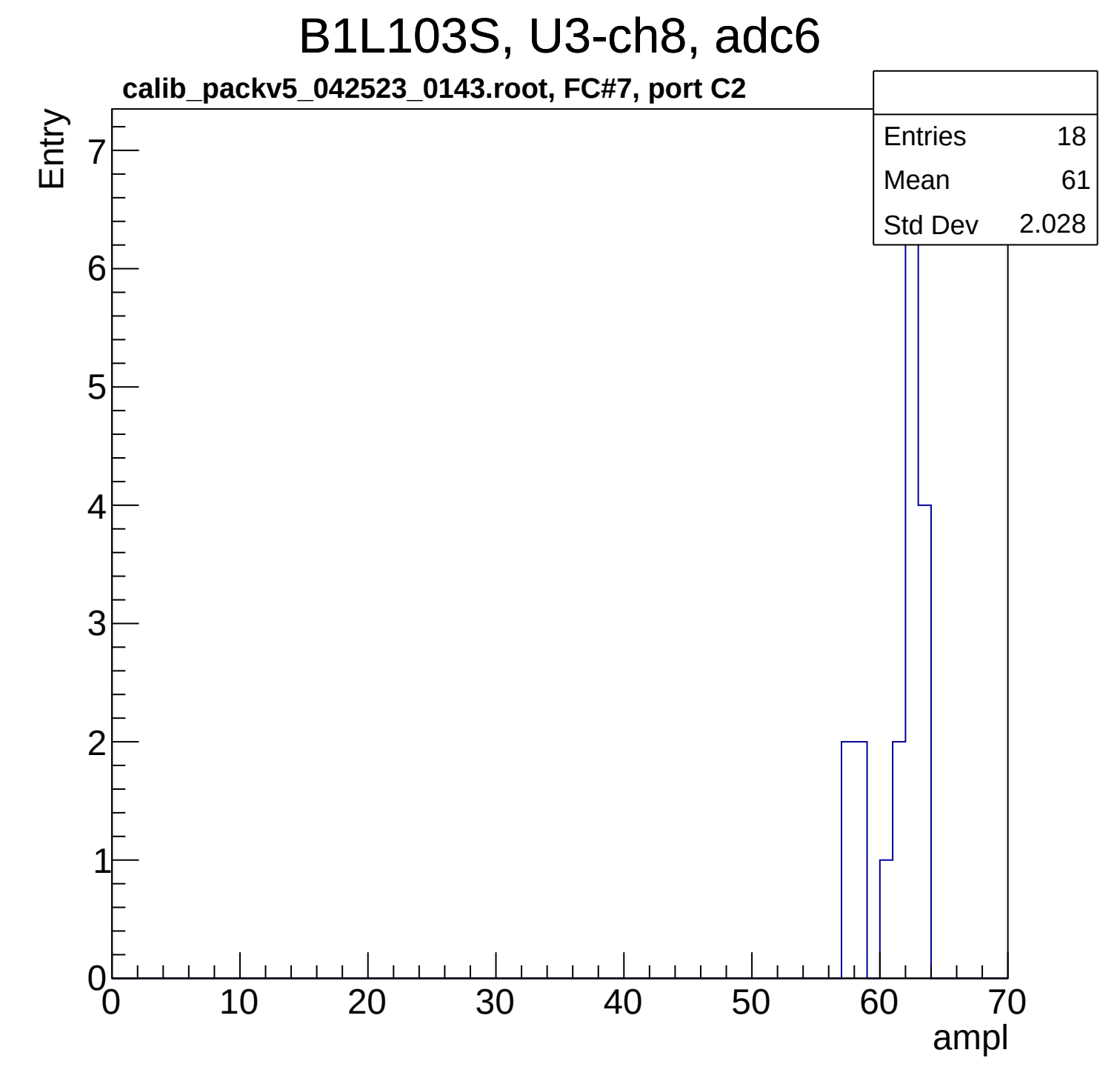
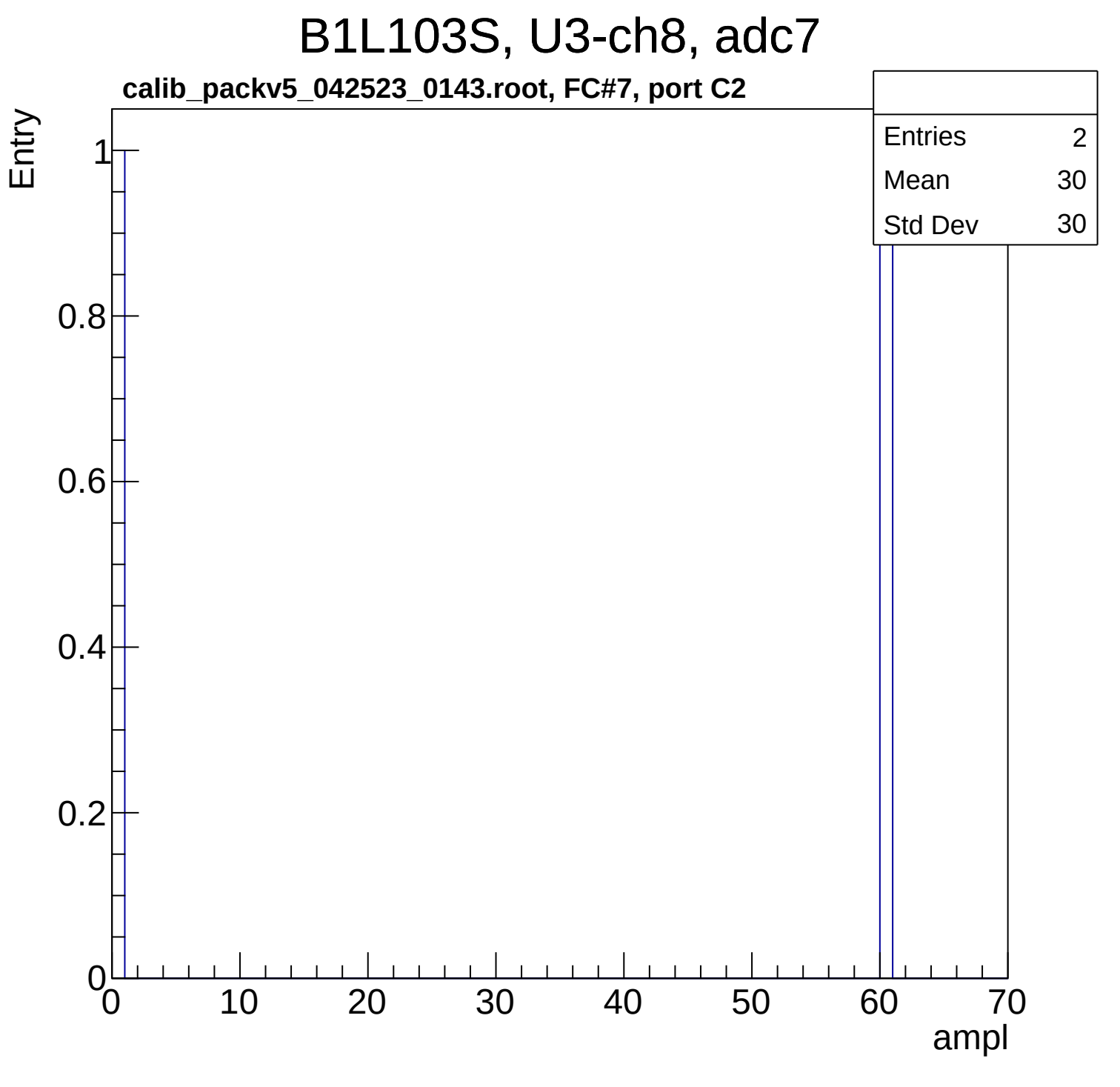
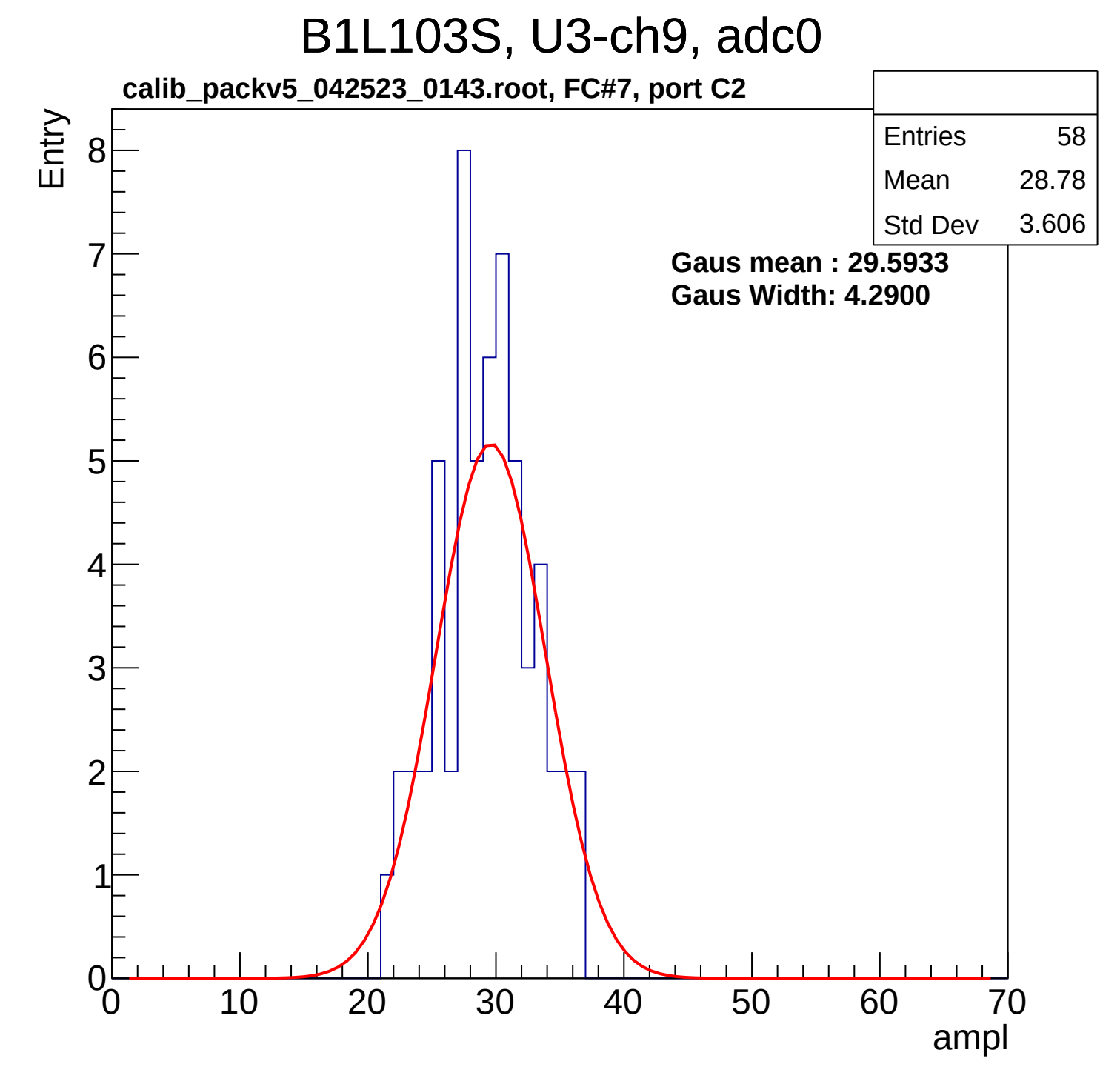
40
50
60
70


B1L103S, U3-ch8, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 61
Std Dev 2.028
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch8, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 30
Std Dev 30
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch9, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 28.78
Std Dev 3.606
Gaus mean : 29.5933
Gaus Width: 4.2900
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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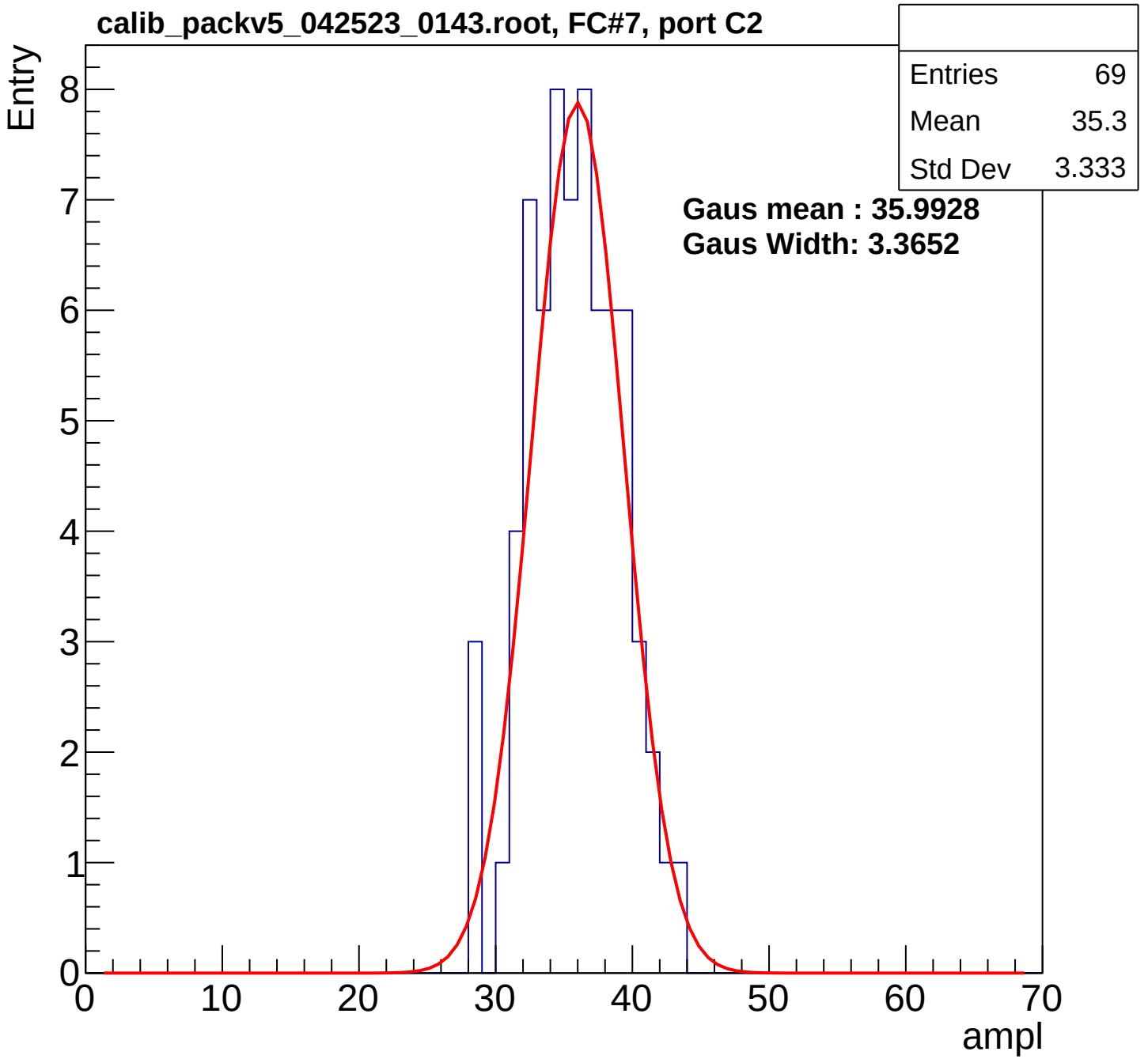
B1L103S, U3-ch9, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 35.3
Std Dev 3.333
Gaus mean : 35.9928
Gaus Width: 3.3652
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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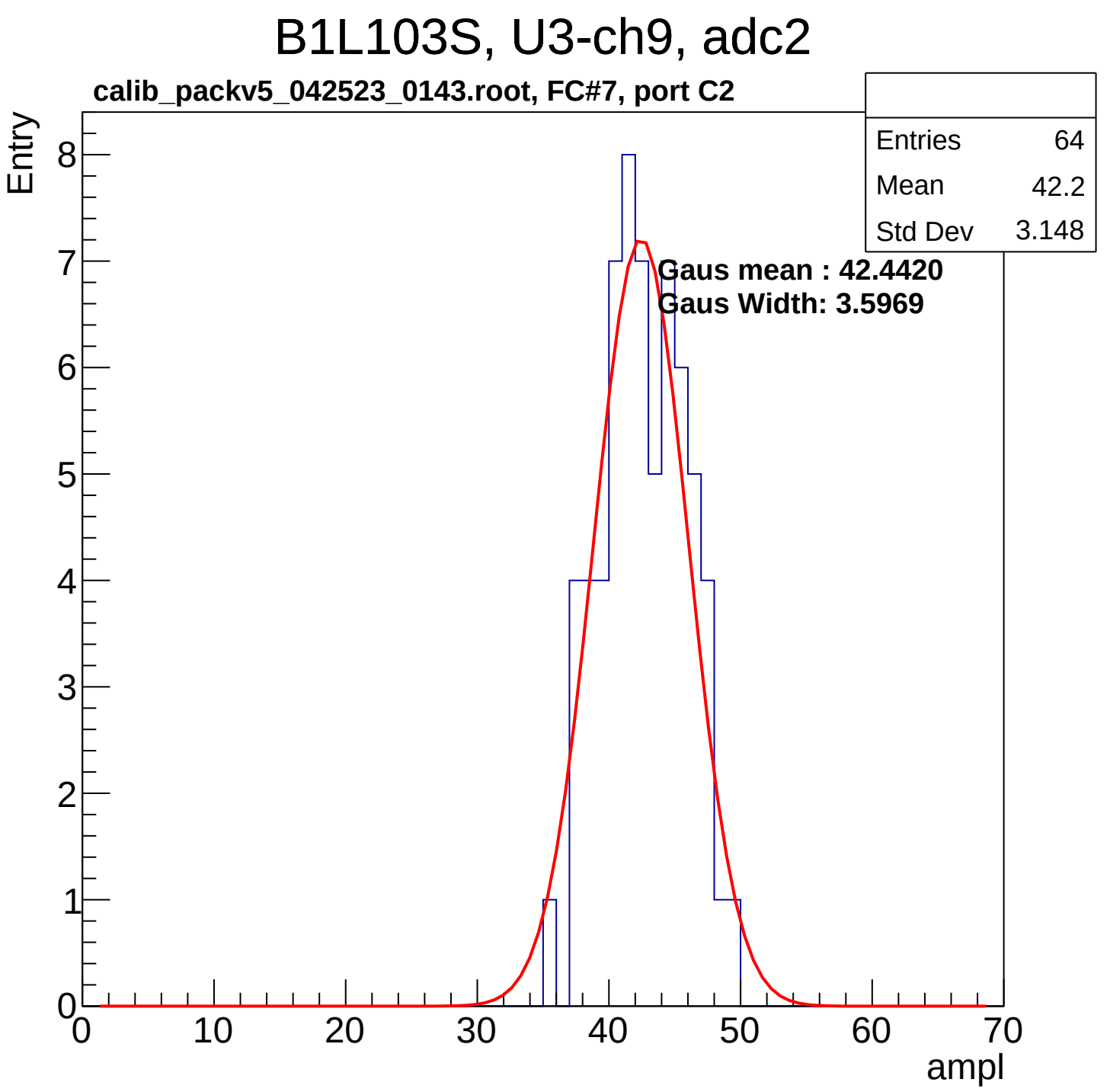
B1L103S, U3-ch9, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 42.2
Std Dev 3.148
Gaus mean : 42.4420
Gaus Width: 3.5969
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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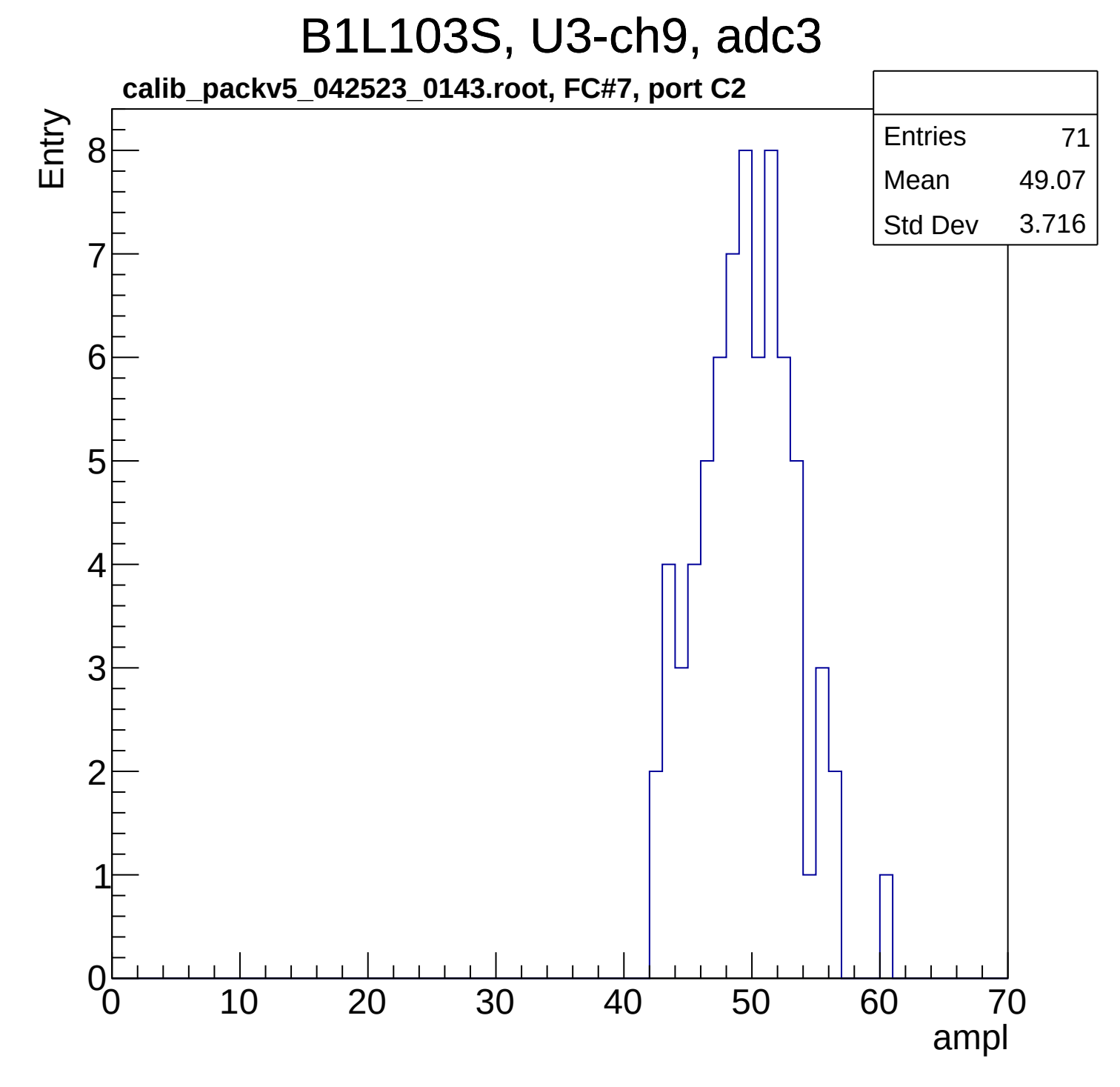
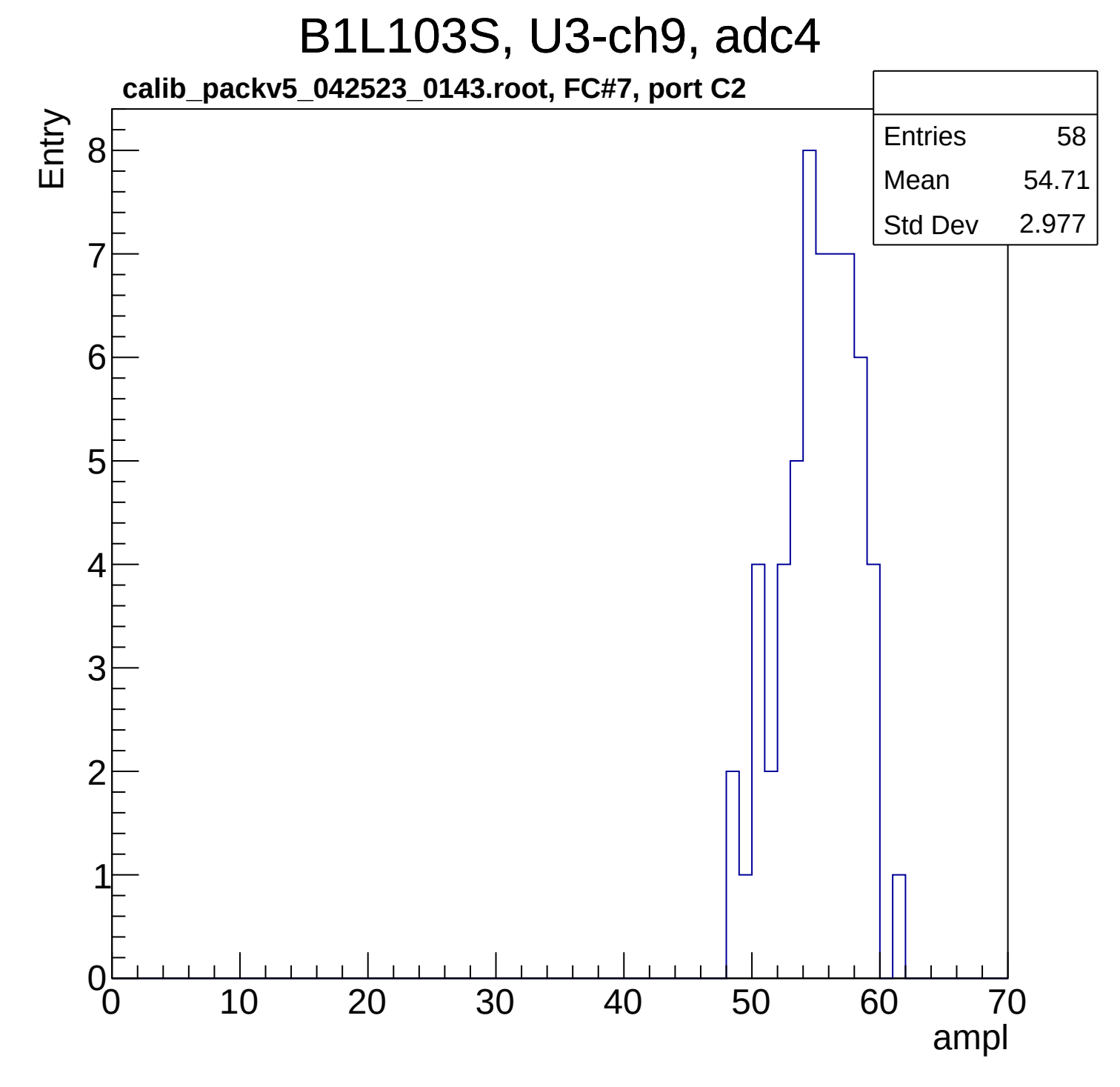
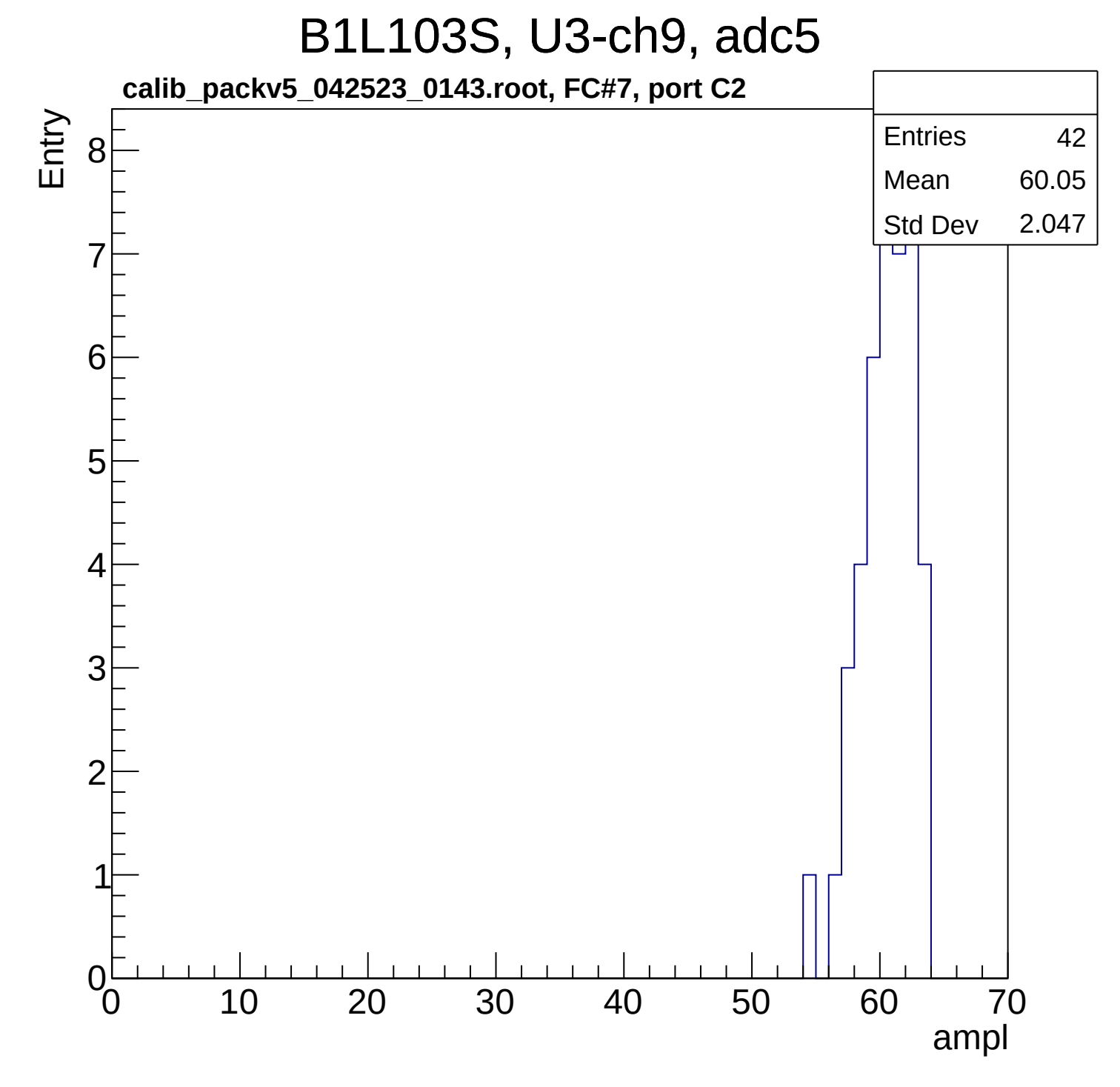
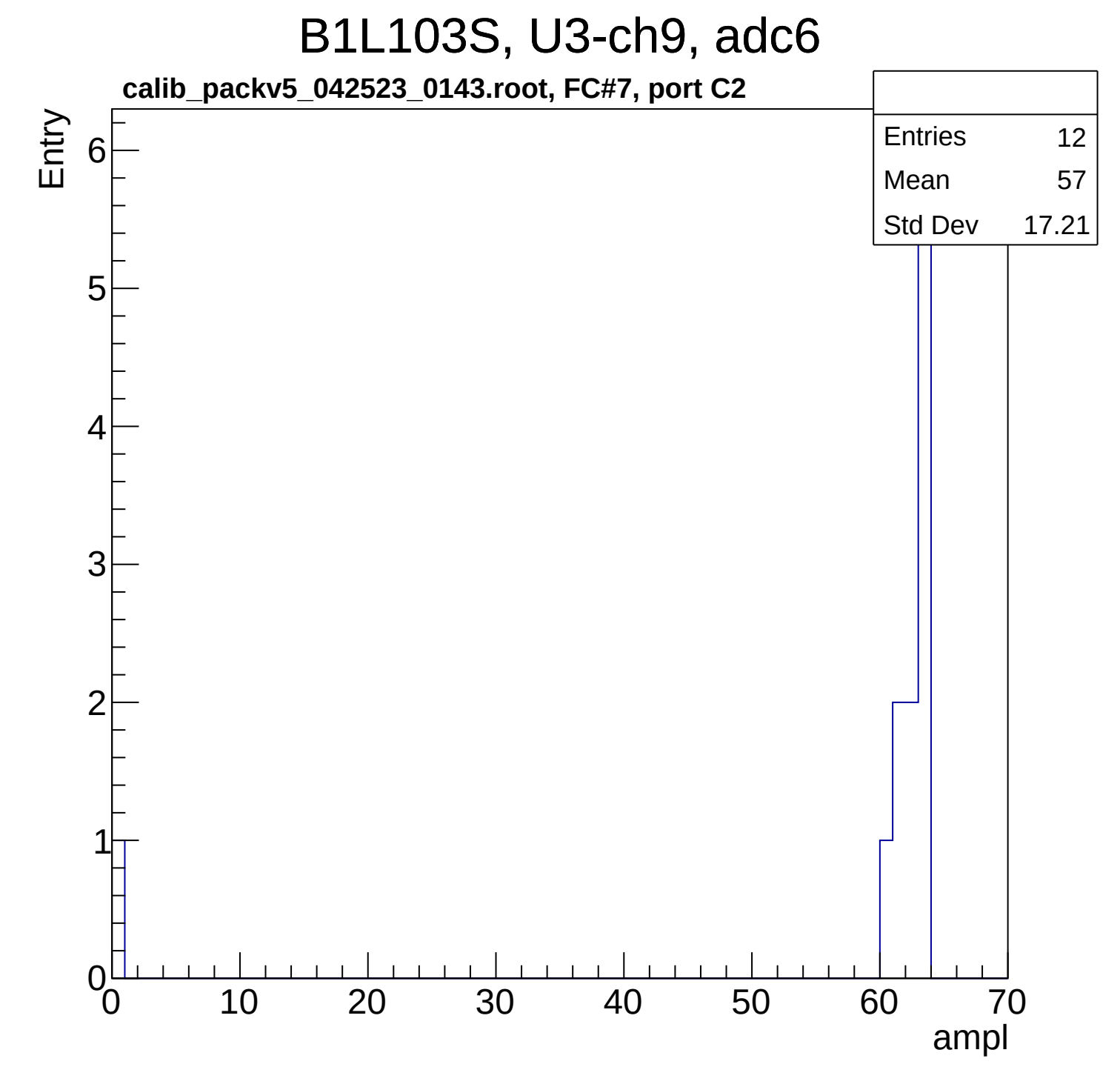
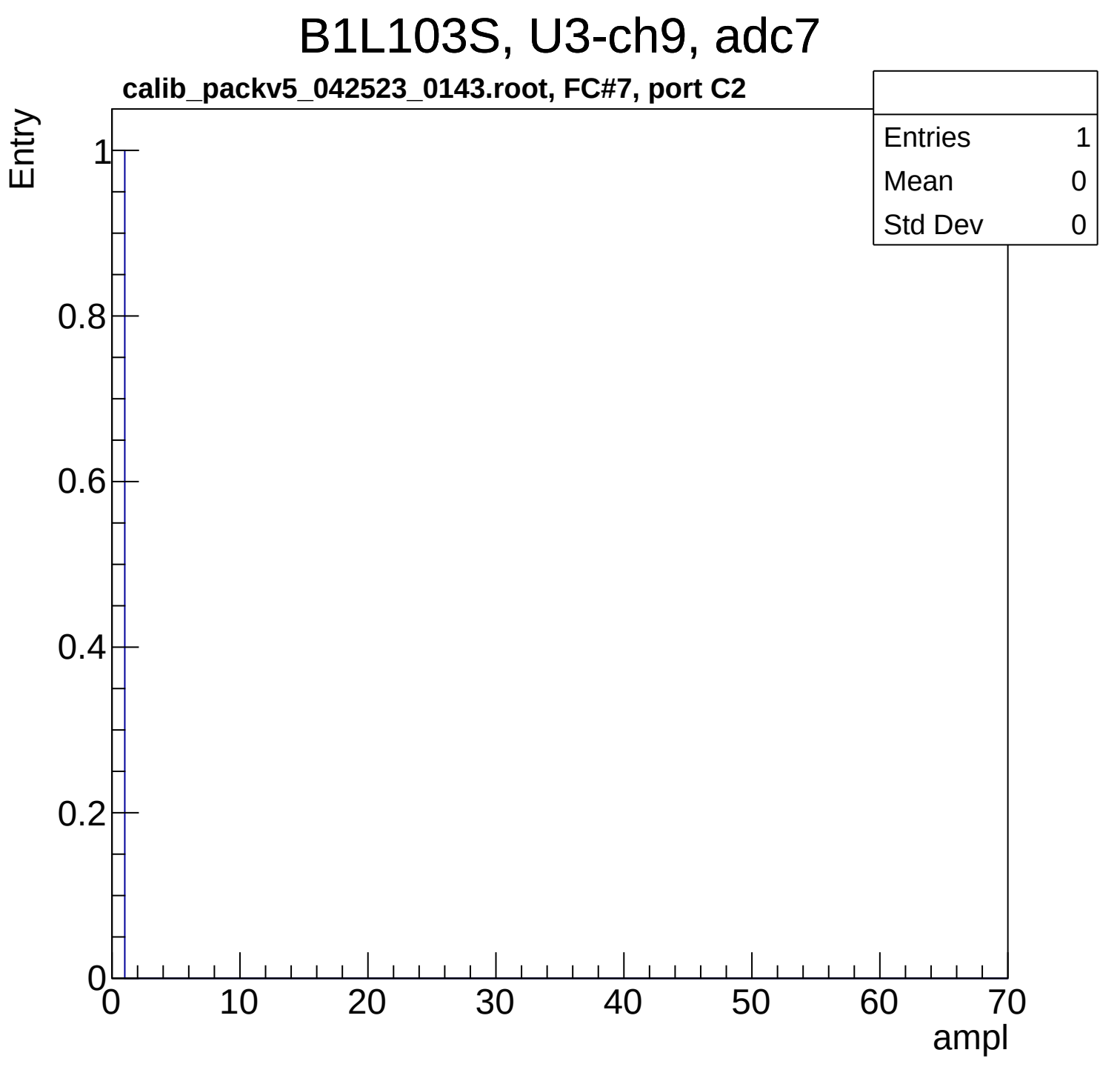

B1L103S, U3-ch9, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 49.07
Std Dev 3.716
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch9, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 54.71
Std Dev 2.977
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch9, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 60.05
Std Dev 2.047
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch9, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 57
Std Dev 17.21
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch9, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
1
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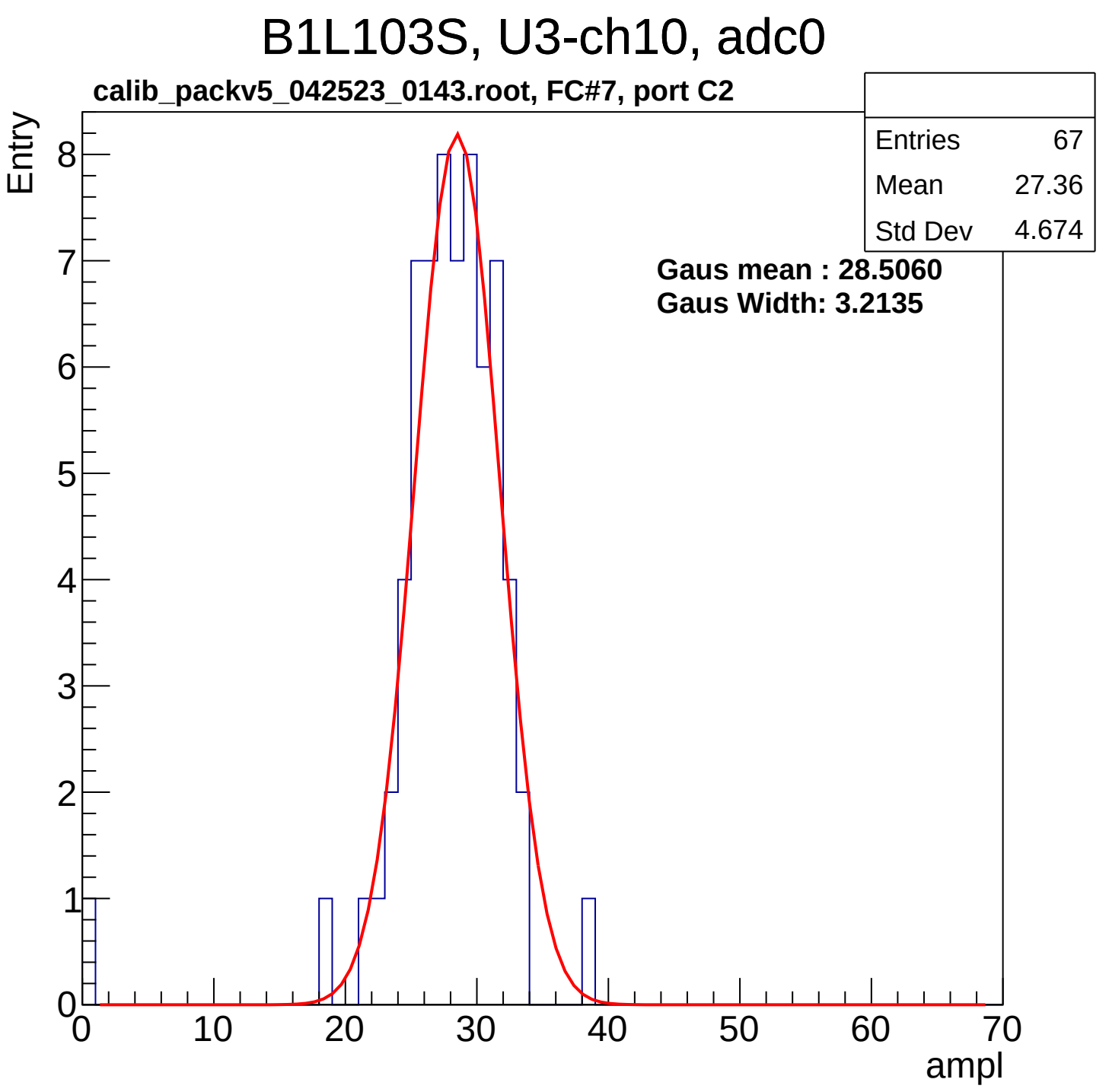
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch10, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 27.36
Std Dev 4.674
Gaus mean : 28.5060
Gaus Width: 3.2135
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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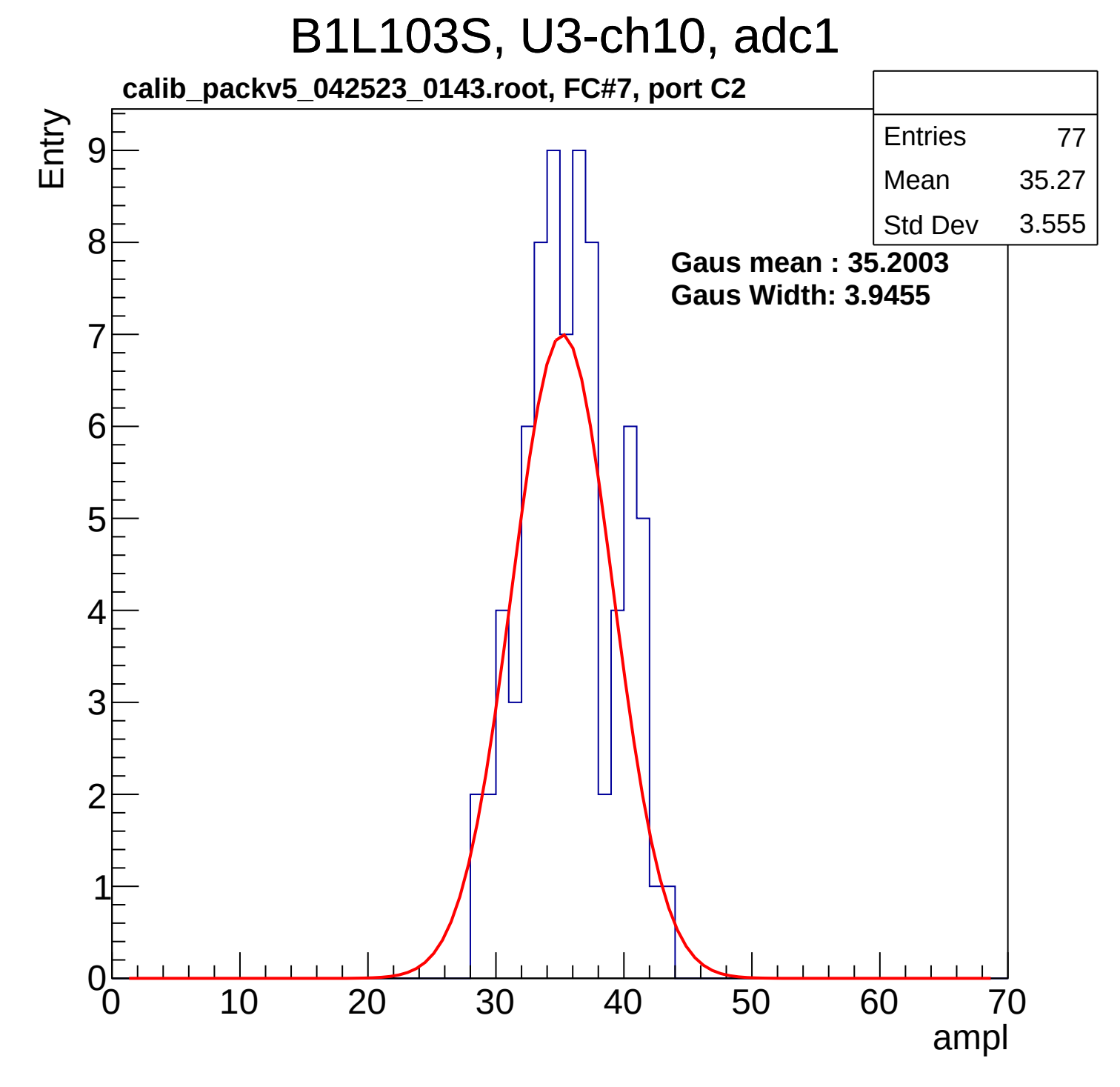
B1L103S, U3-ch10, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 35.27
Std Dev 3.555
Gaus mean : 35.2003
Gaus Width: 3.9455
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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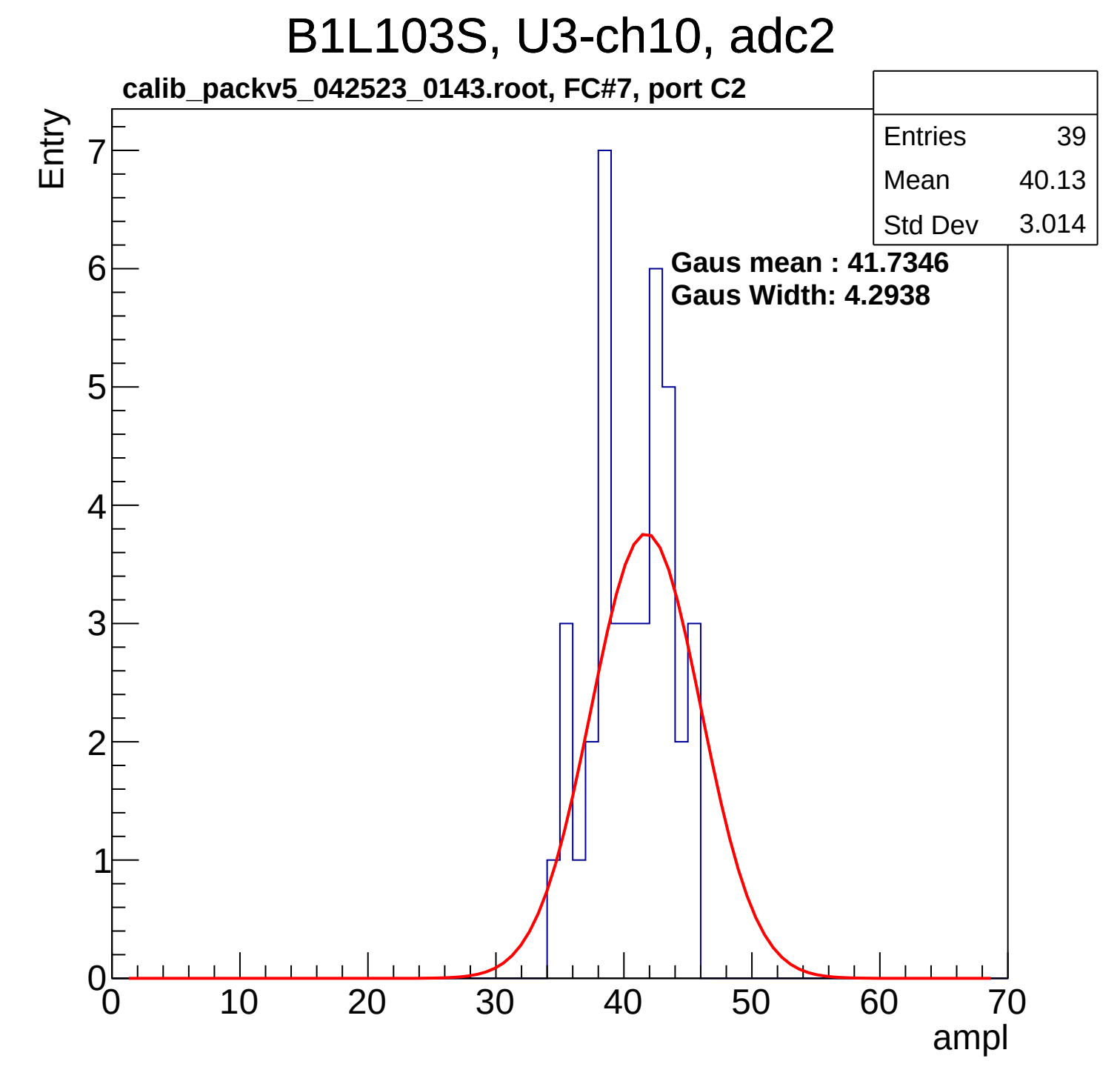
B1L103S, U3-ch10, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 39
Mean 40.13
Std Dev 3.014
Gaus mean : 41.7346
Gaus Width: 4.2938
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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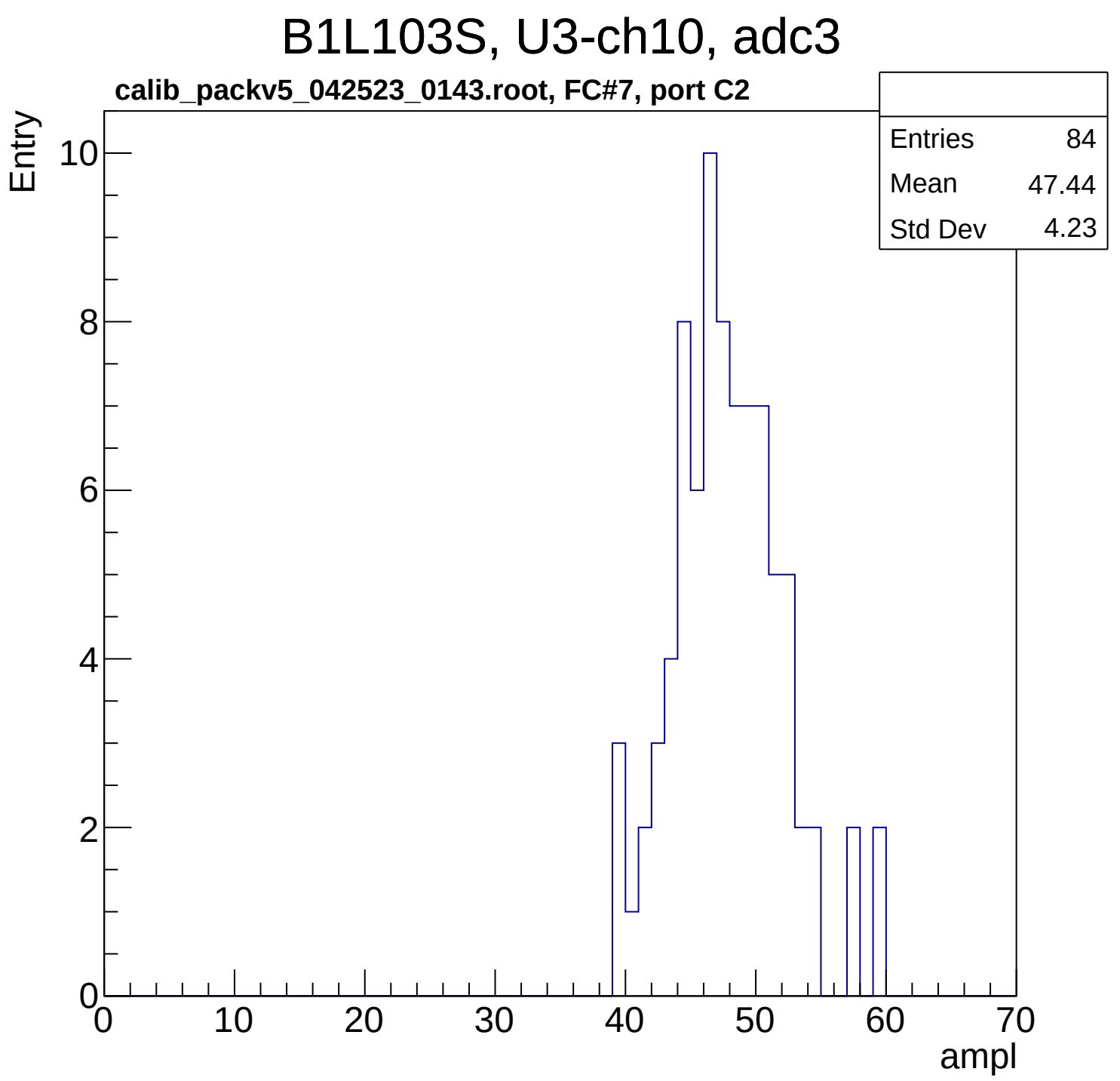
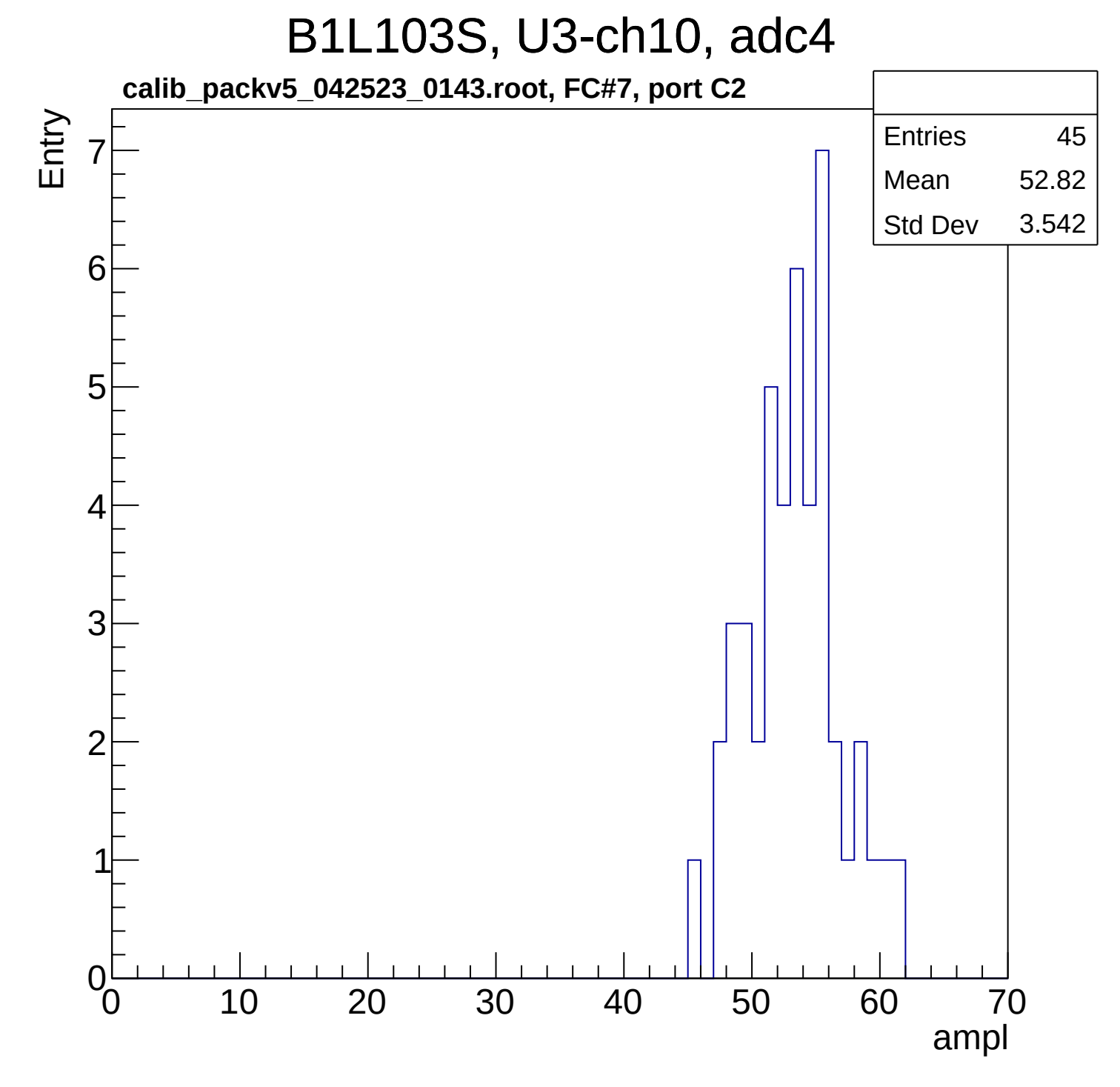
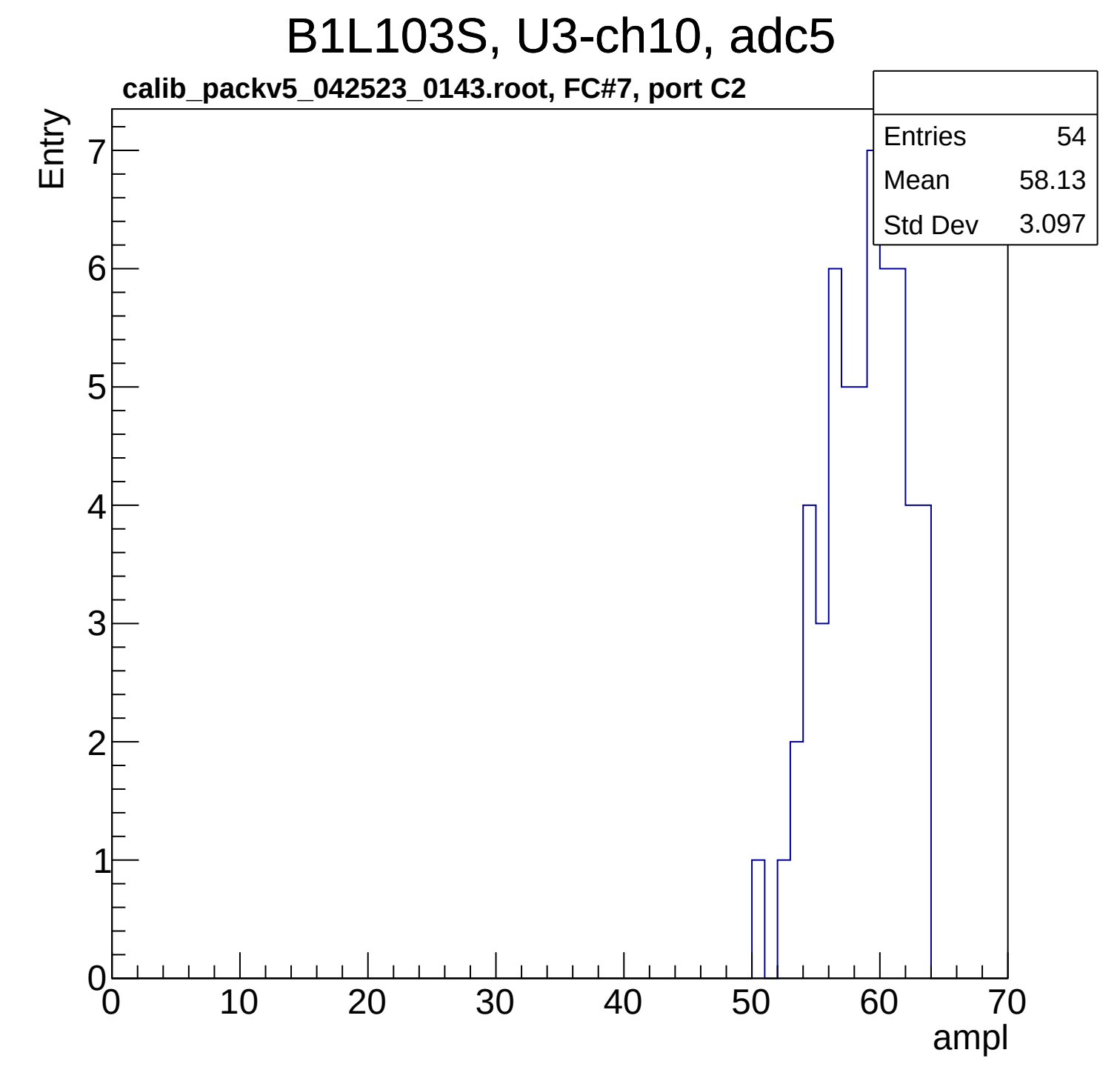

B1L103S, U3-ch10, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 47.44
Std Dev 4.23
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch10, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 52.82
Std Dev 3.542
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch10, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.13
Std Dev 3.097
Entry
ampl
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2
3
4
5
6
7
0
10
20
30
40
50
60
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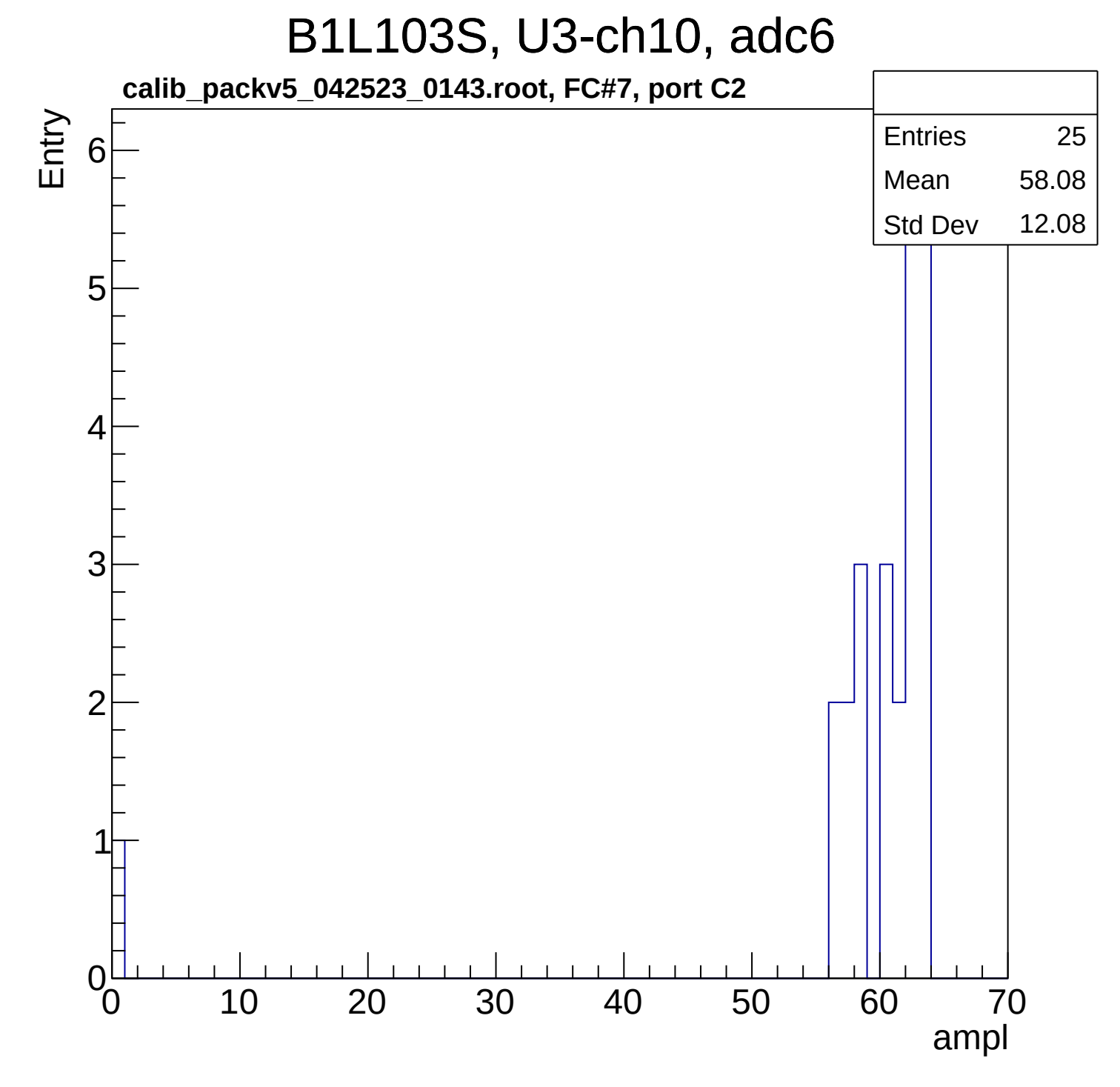
B1L103S, U3-ch10, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 25
Mean 58.08
Std Dev 12.08
Entry
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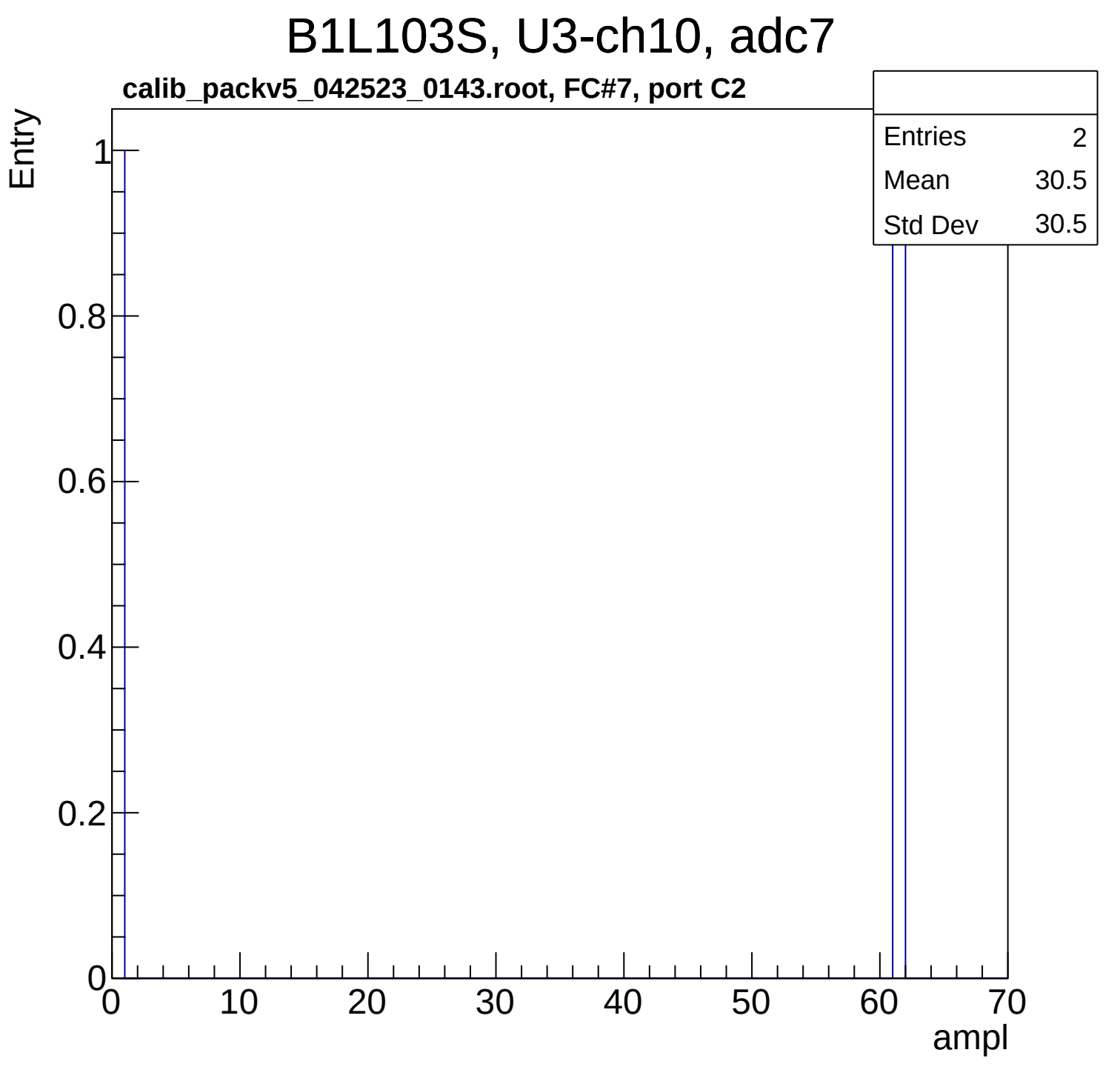
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch10, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 30.5
Std Dev 30.5
Entry
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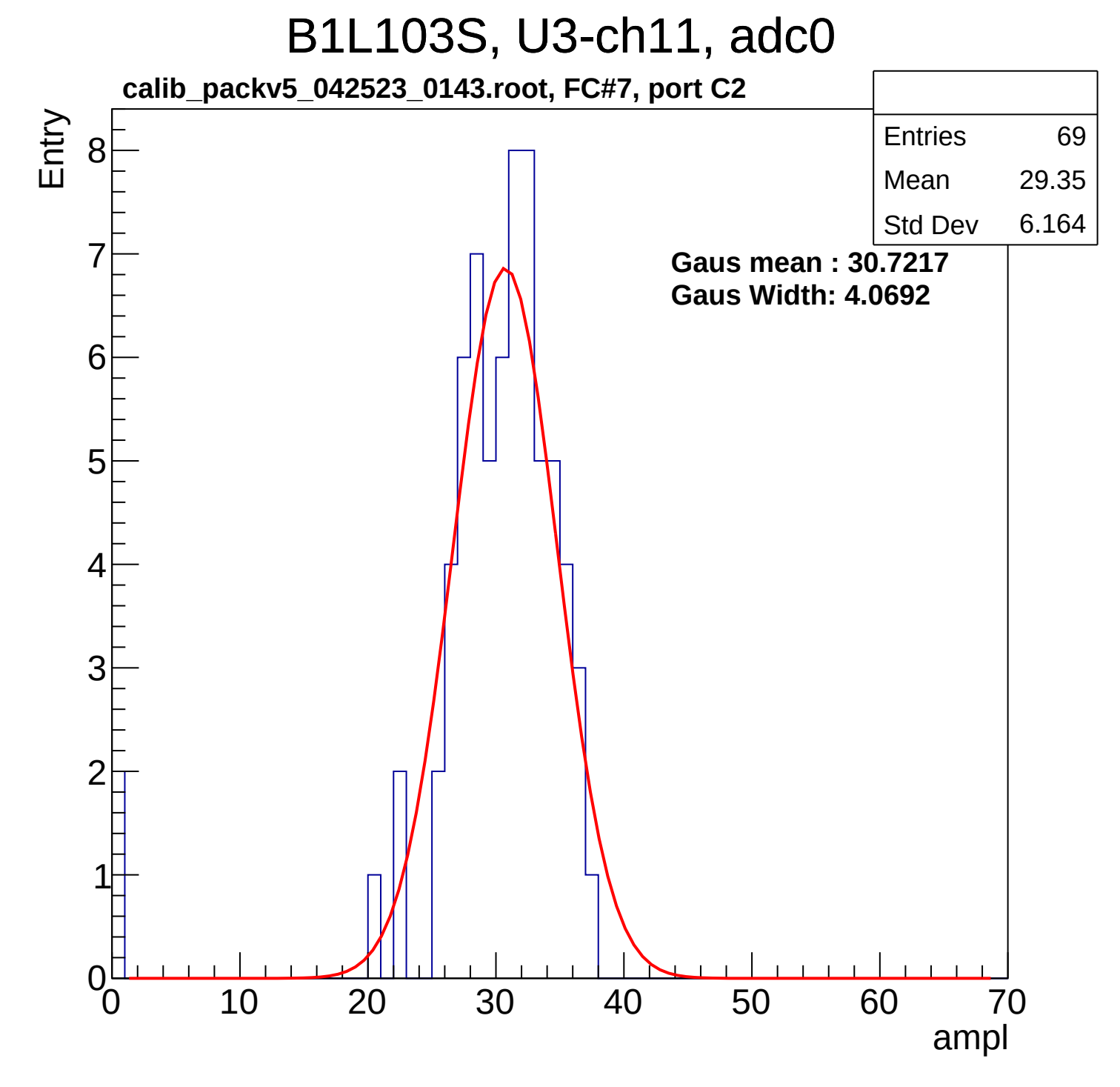
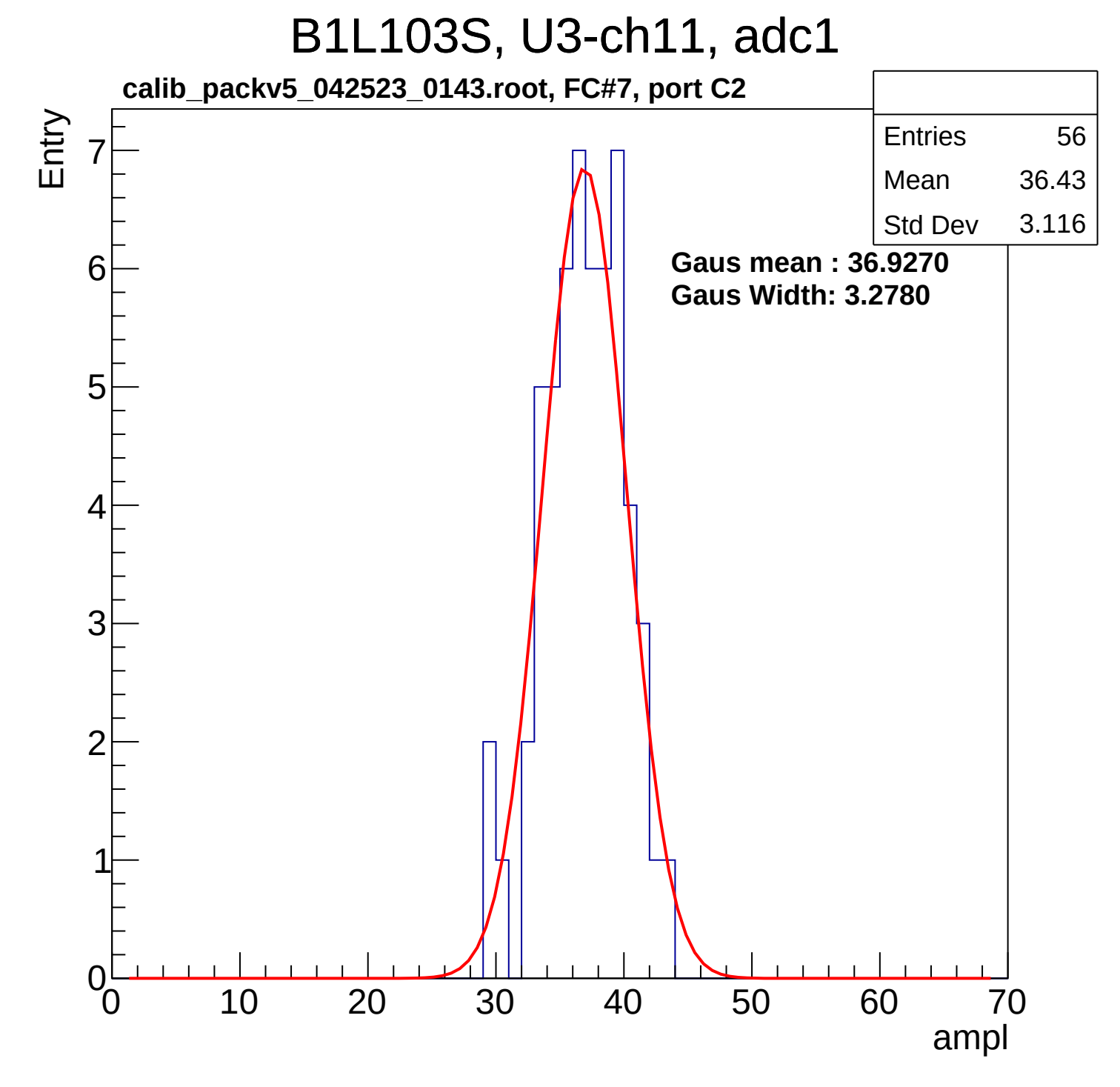
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch11, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 29.35
Std Dev 6.164
Gaus mean : 30.7217
Gaus Width: 4.0692
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch11, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 36.43
Std Dev 3.116
Gaus mean : 36.9270
Gaus Width: 3.2780
Entry
ampl
0
1
2
3
4
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6
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0
10
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40
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60
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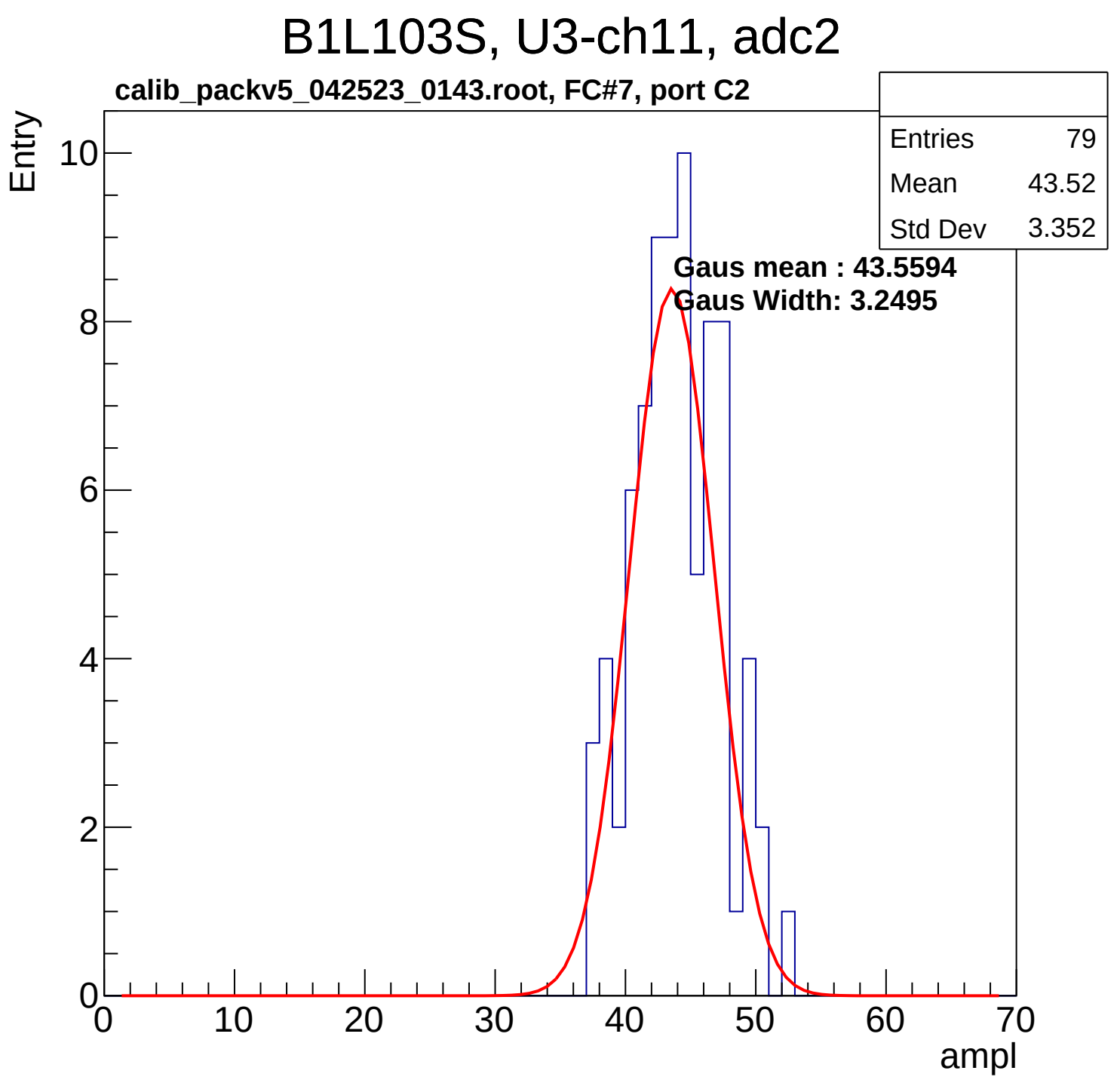
B1L103S, U3-ch11, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 43.52
Std Dev 3.352
Gaus mean : 43.5594
Gaus Width: 3.2495
Entry
ampl
0
2
4
6
8
10
0
10
20
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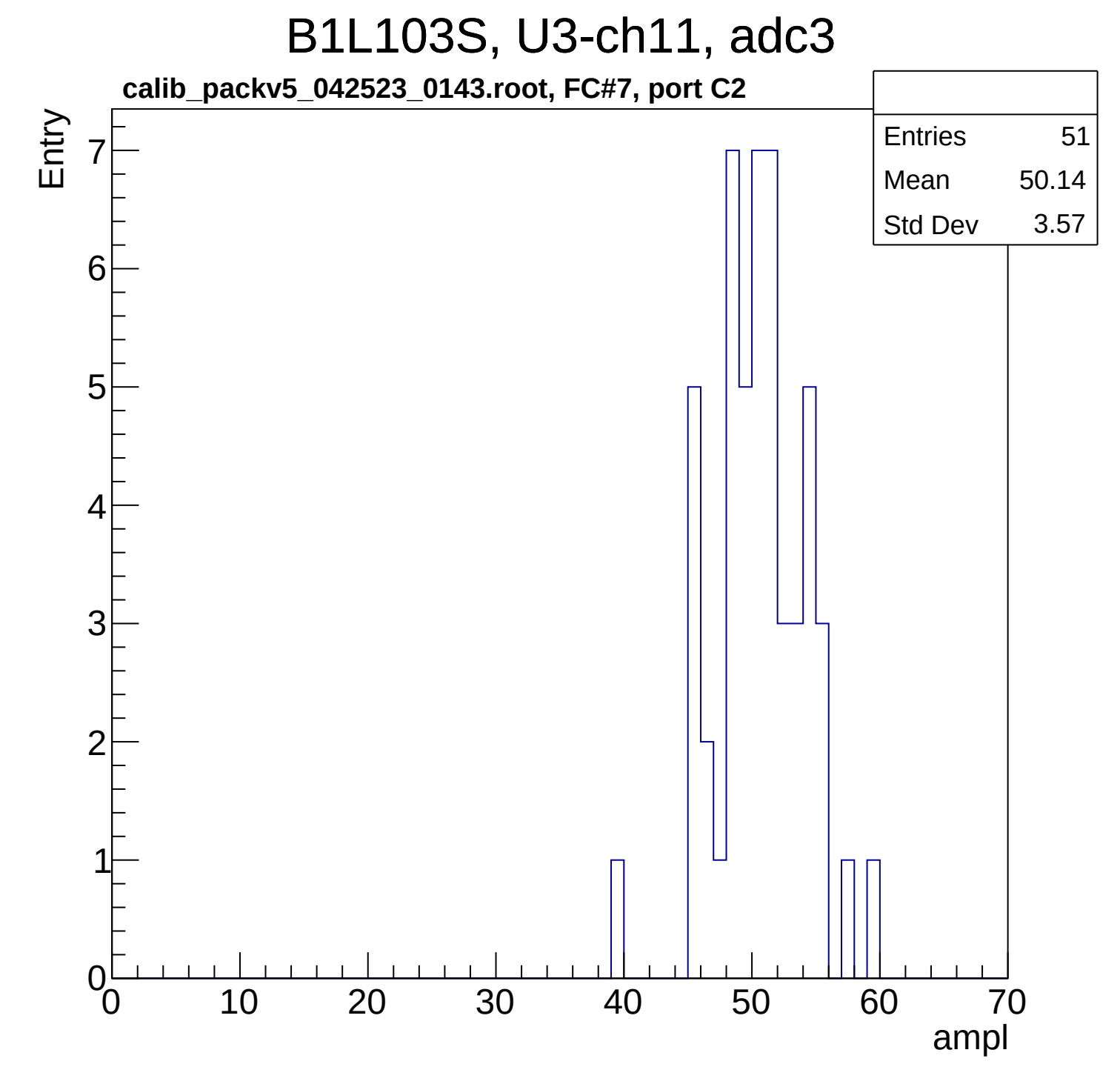
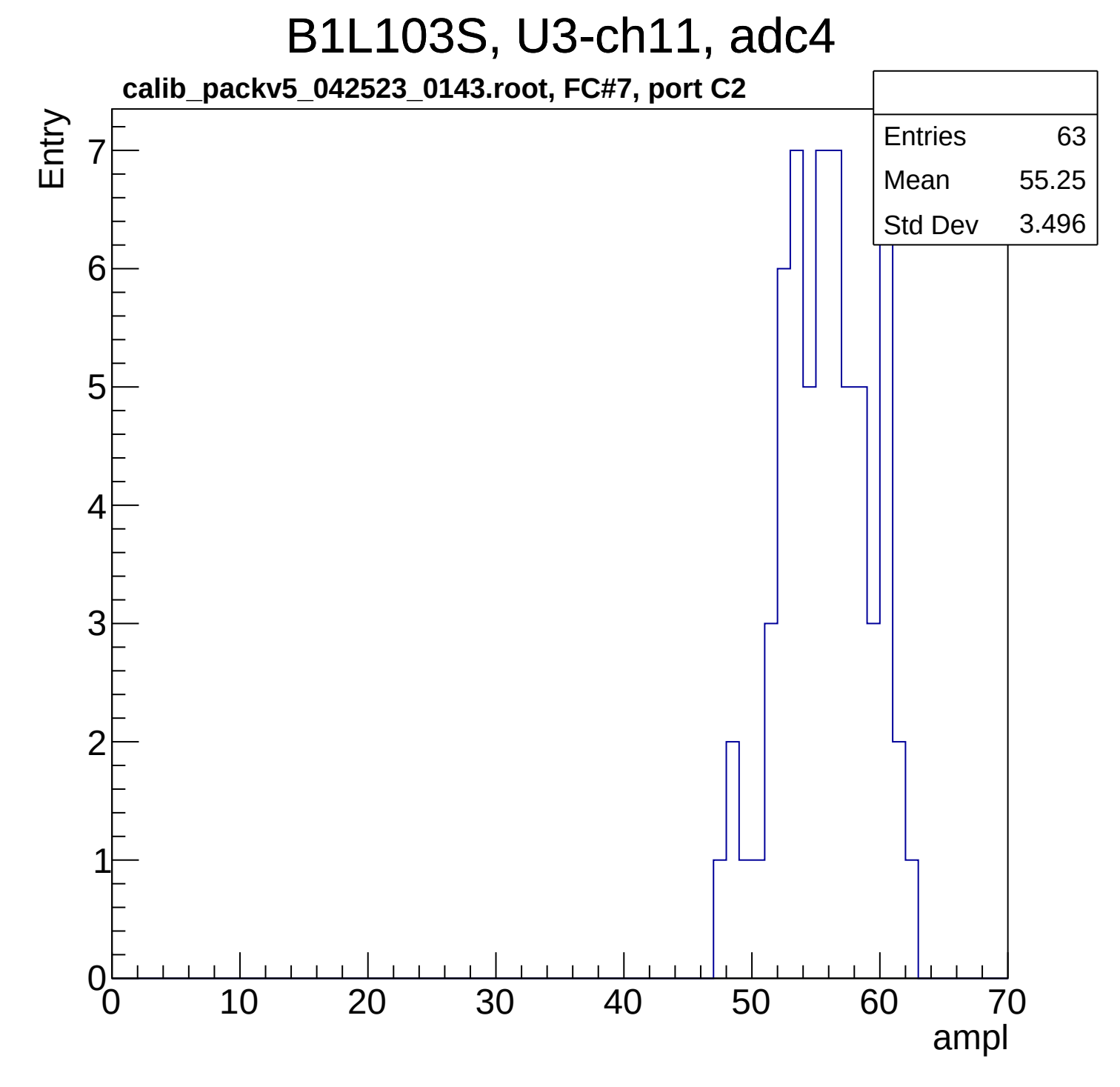
40
50
60
70


B1L103S, U3-ch11, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 50.14
Std Dev 3.57
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch11, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 55.25
Std Dev 3.496
Entry
ampl
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1
2
3
4
5
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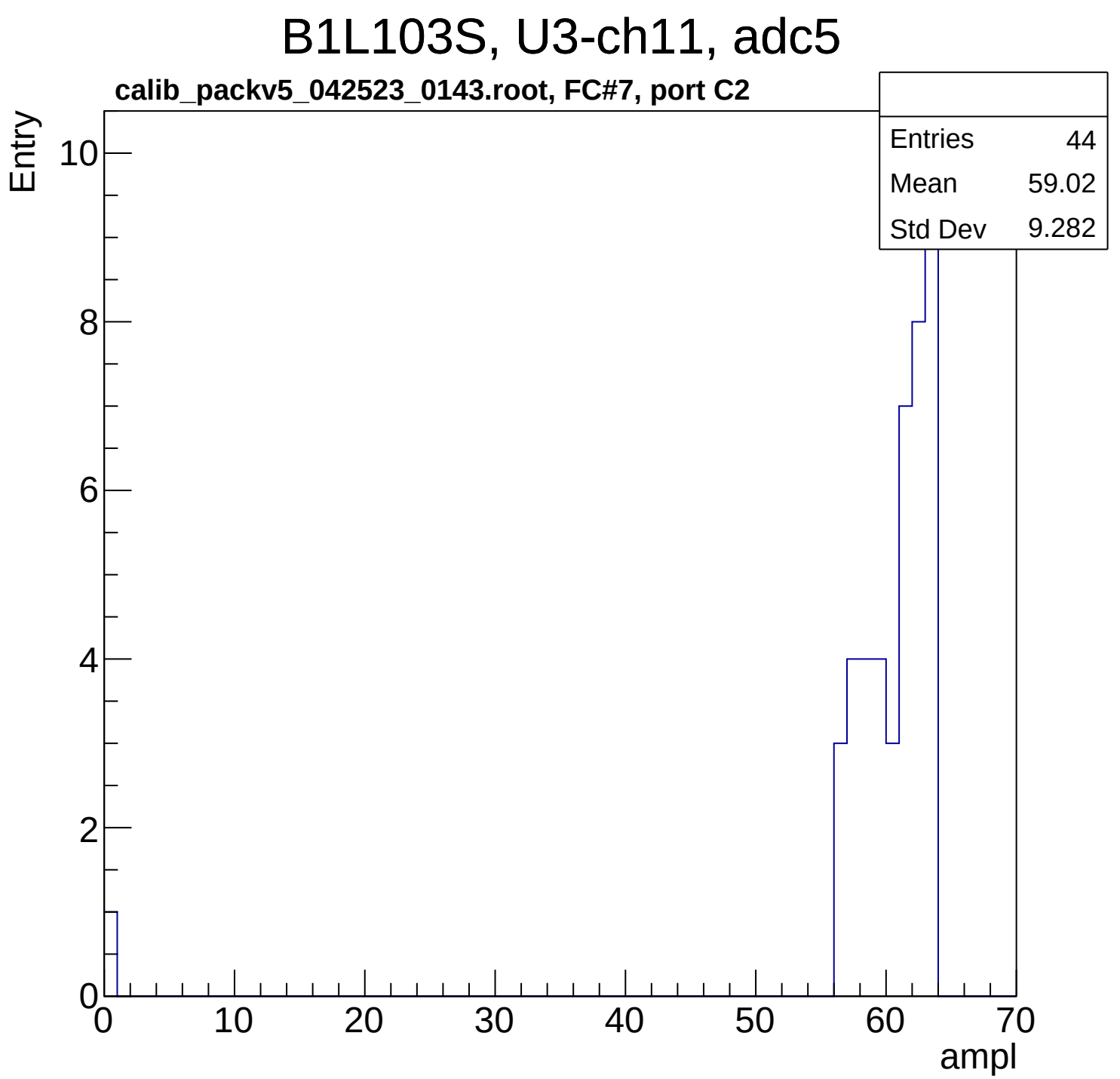
B1L103S, U3-ch11, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 59.02
Std Dev 9.282
Entry
0
2
4
6
8
10
0
10
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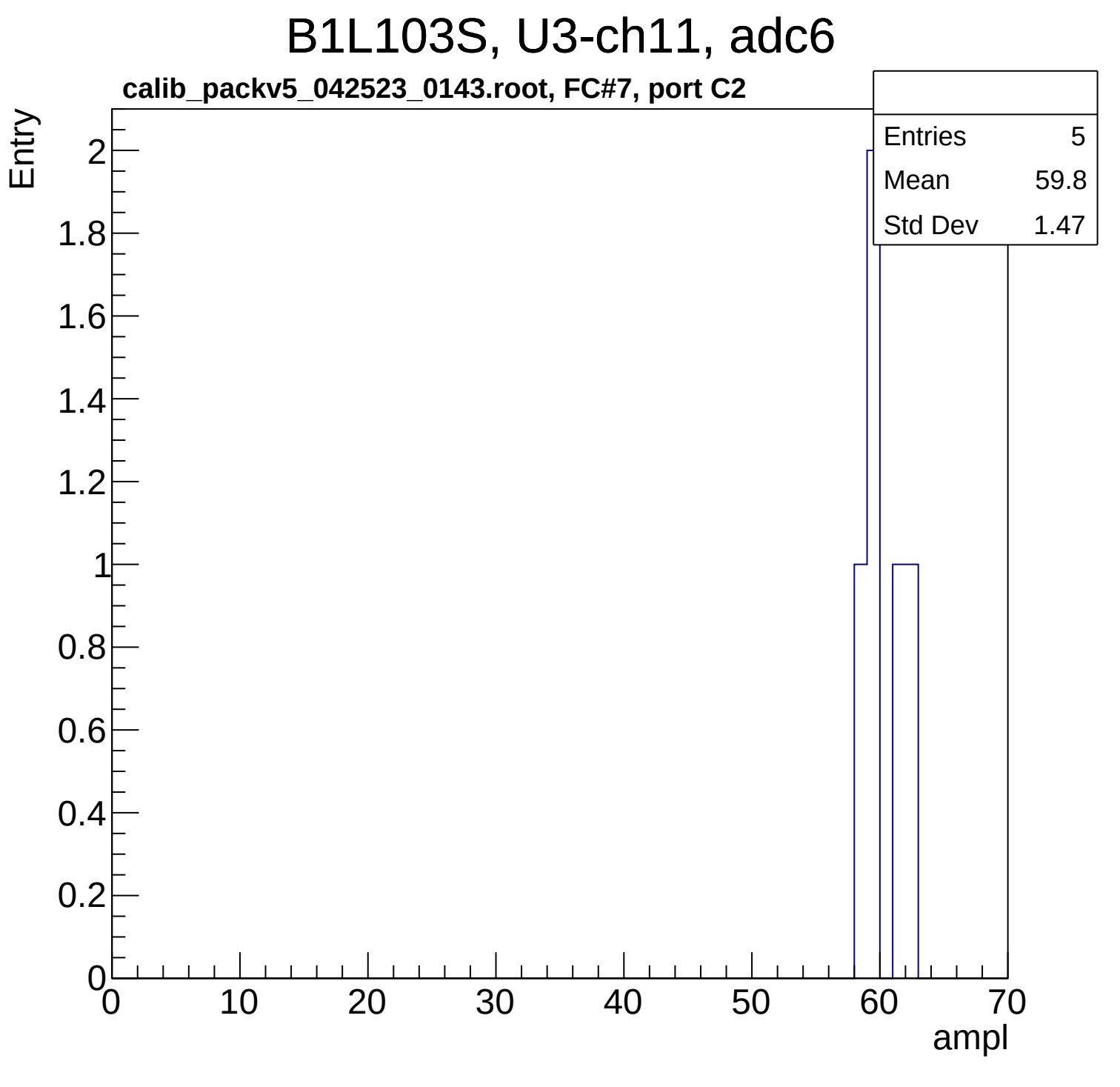
50
60
70
ampl


B1L103S, U3-ch11, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 59.8
Std Dev 1.47
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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20
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60
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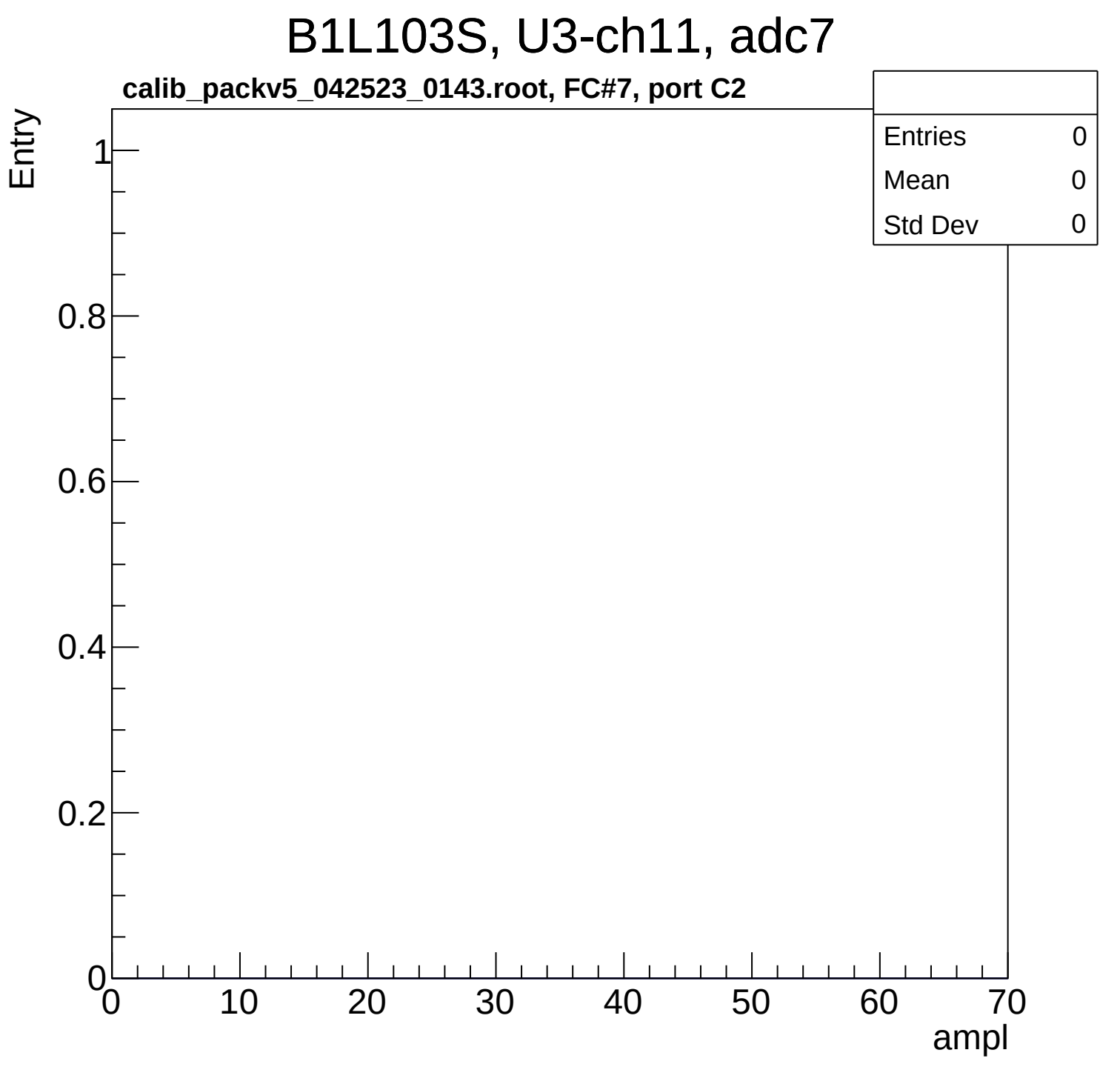
B1L103S, U3-ch11, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
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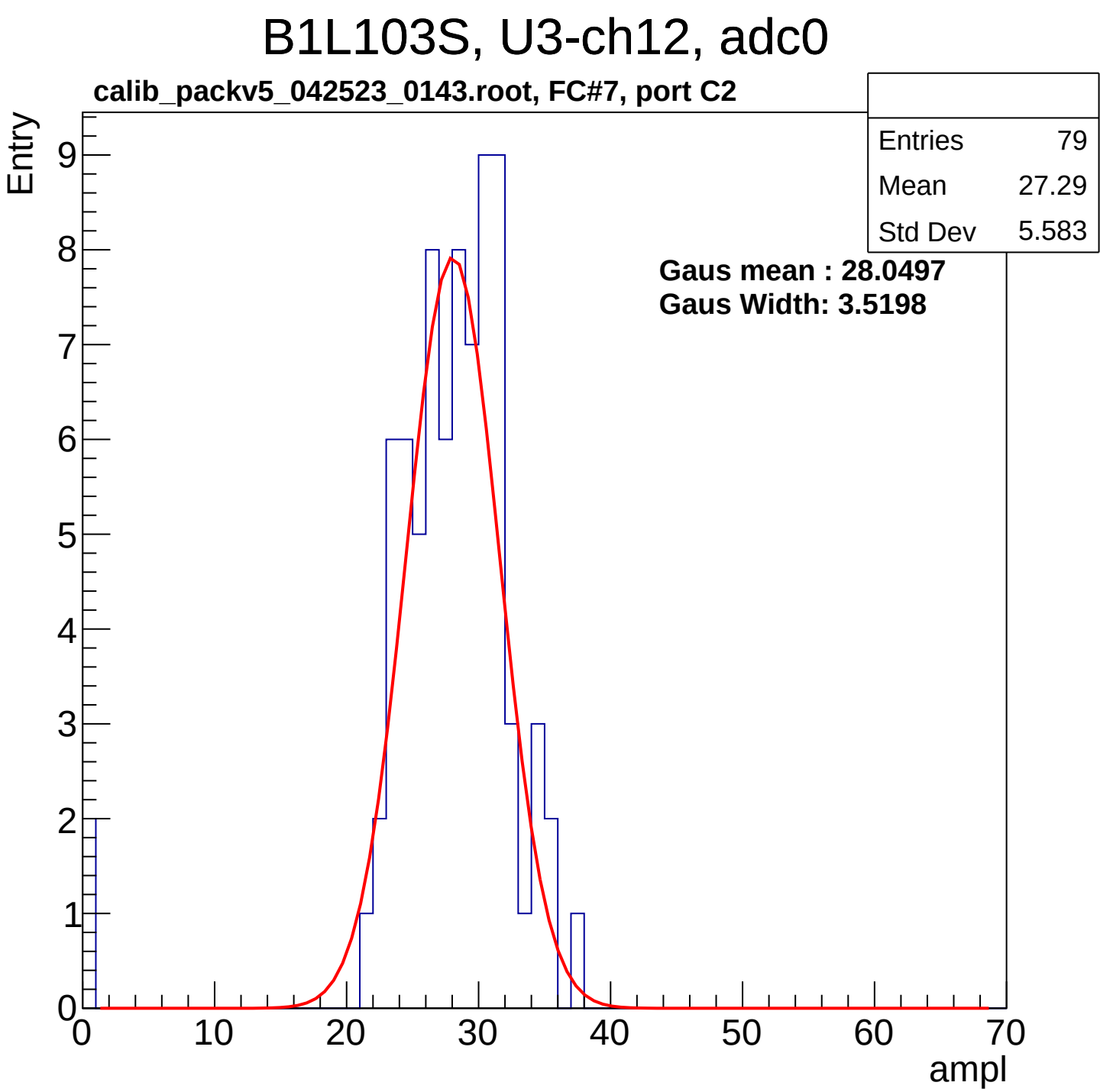
40
50
60
70
ampl


B1L103S, U3-ch12, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 27.29
Std Dev 5.583
Gaus mean : 28.0497
Gaus Width: 3.5198
Entry
ampl
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2
3
4
5
6
7
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0
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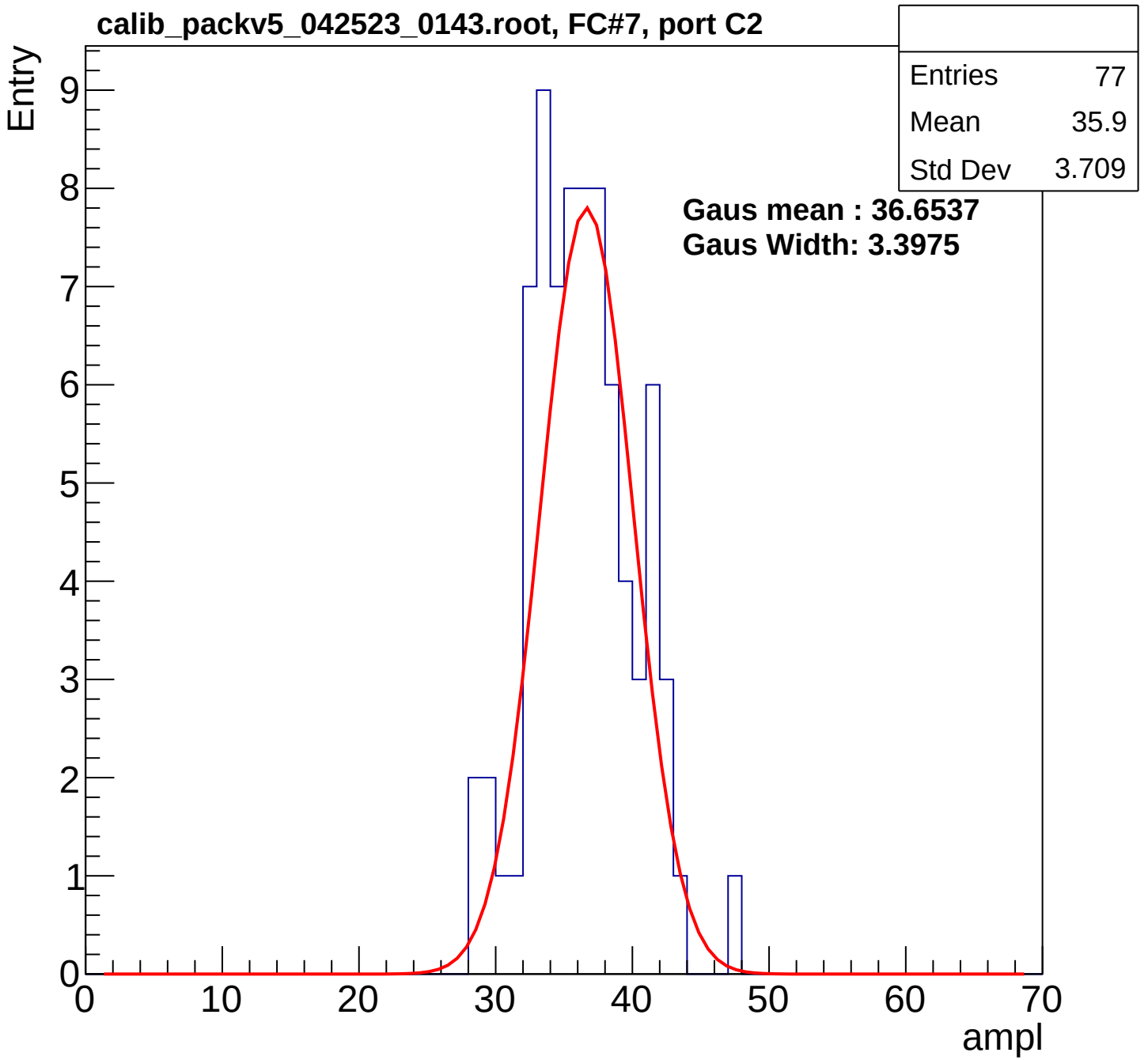
B1L103S, U3-ch12, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 35.9
Std Dev 3.709
Gaus mean : 36.6537
Gaus Width: 3.3975
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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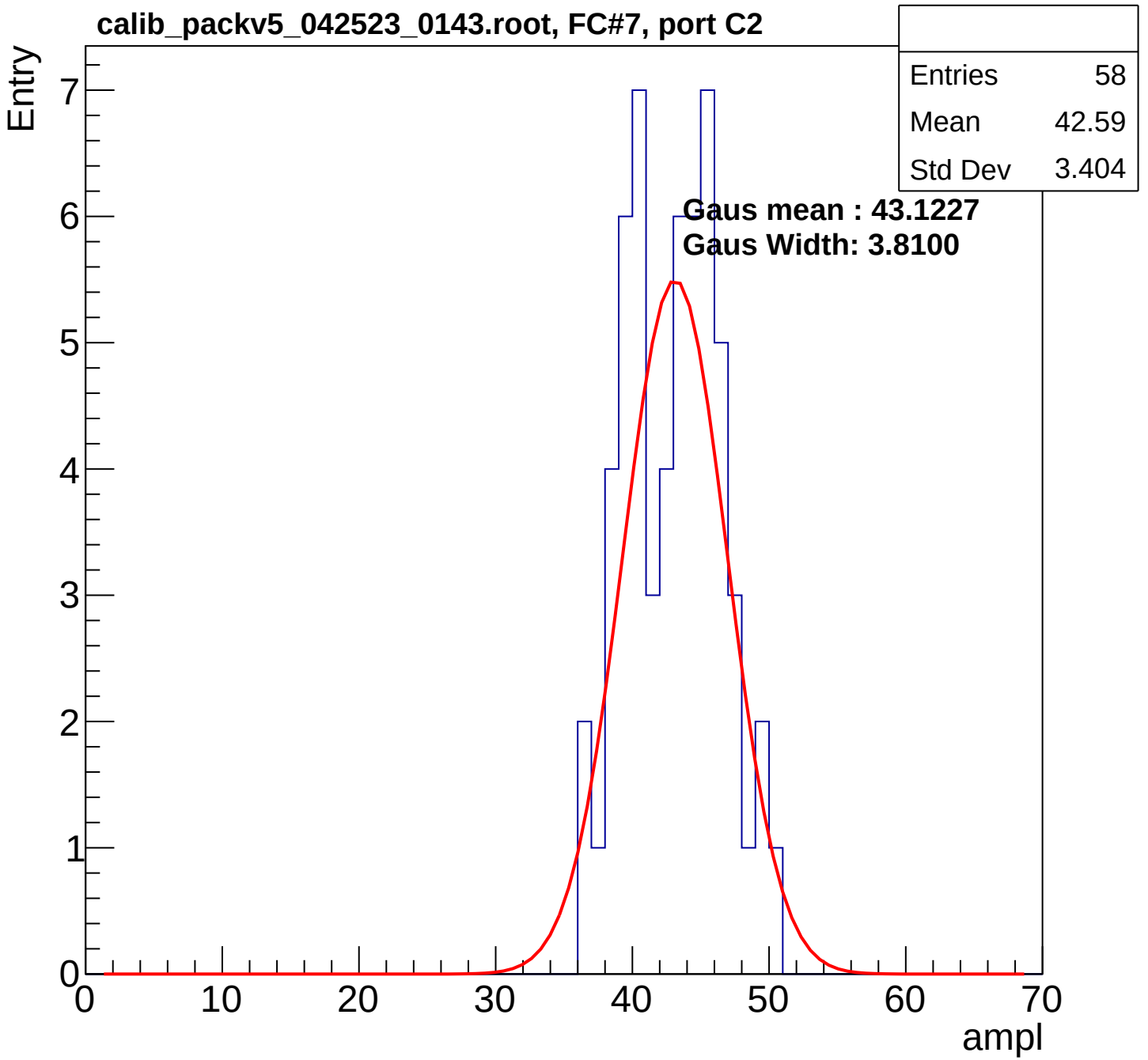
B1L103S, U3-ch12, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 42.59
Std Dev 3.404
Gaus mean : 43.1227
Gaus Width: 3.8100
Entry
ampl
0
1
2
3
4
5
6
7
0
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60
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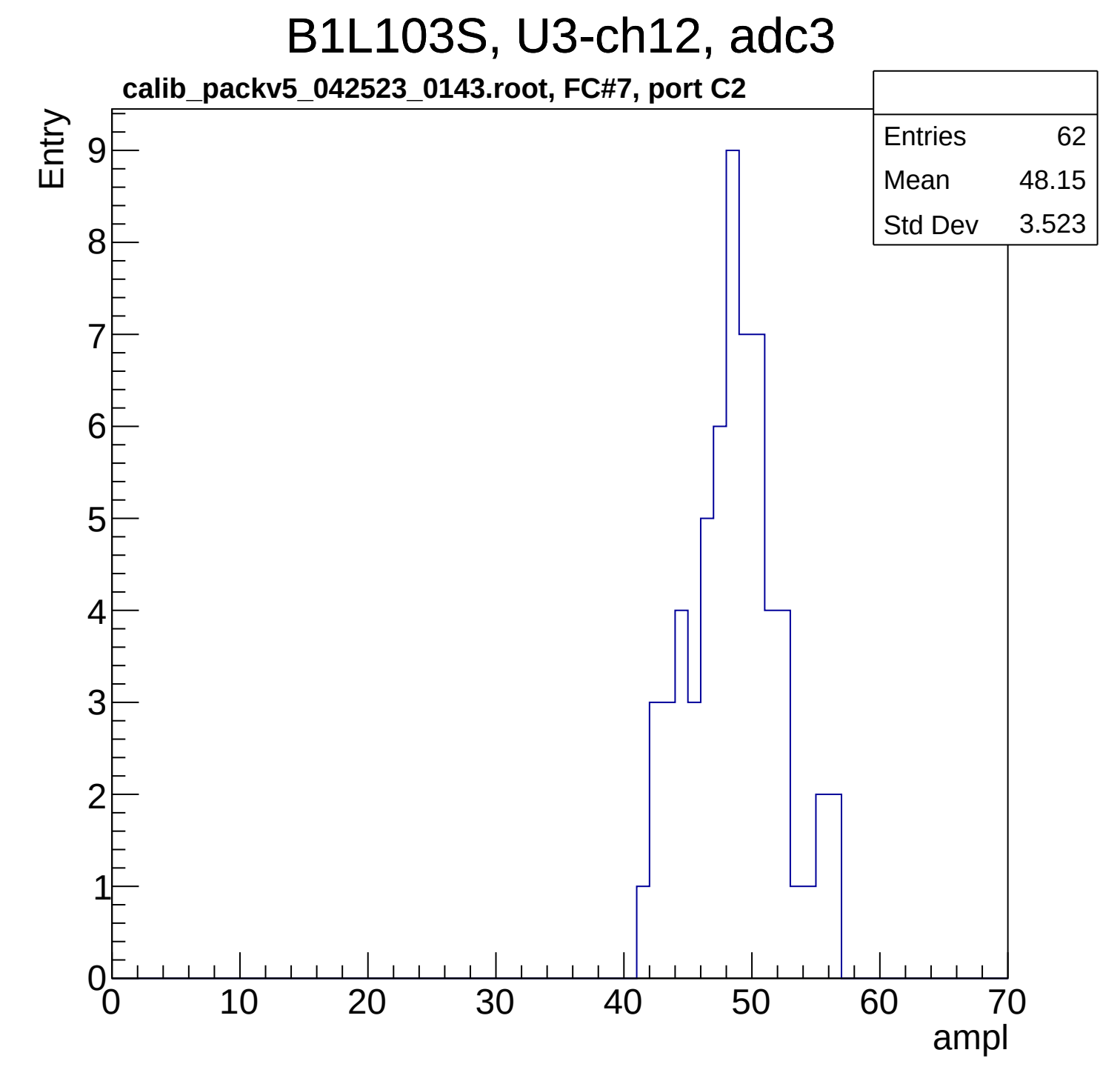
B1L103S, U3-ch12, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 48.15
Std Dev 3.523
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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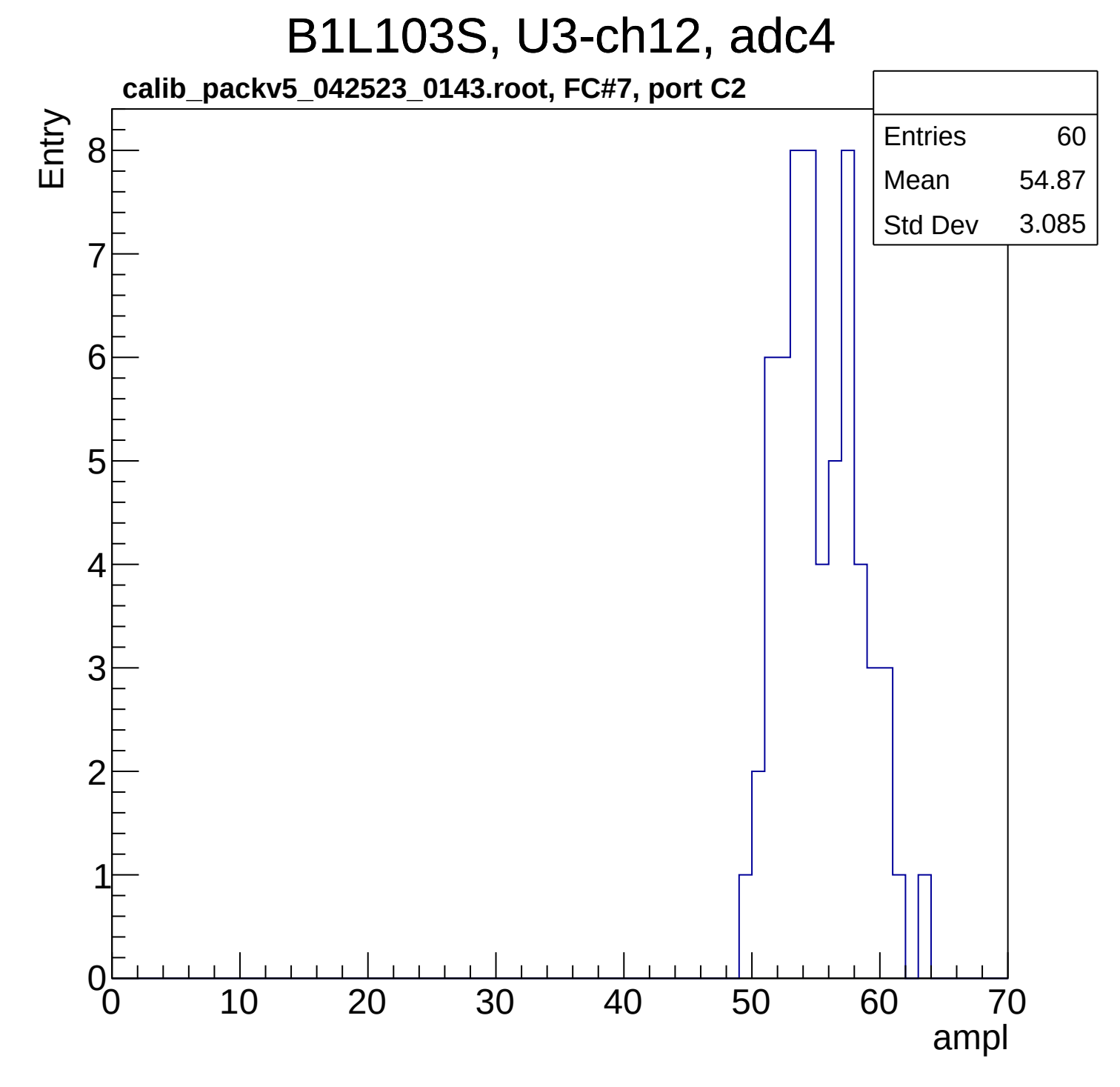
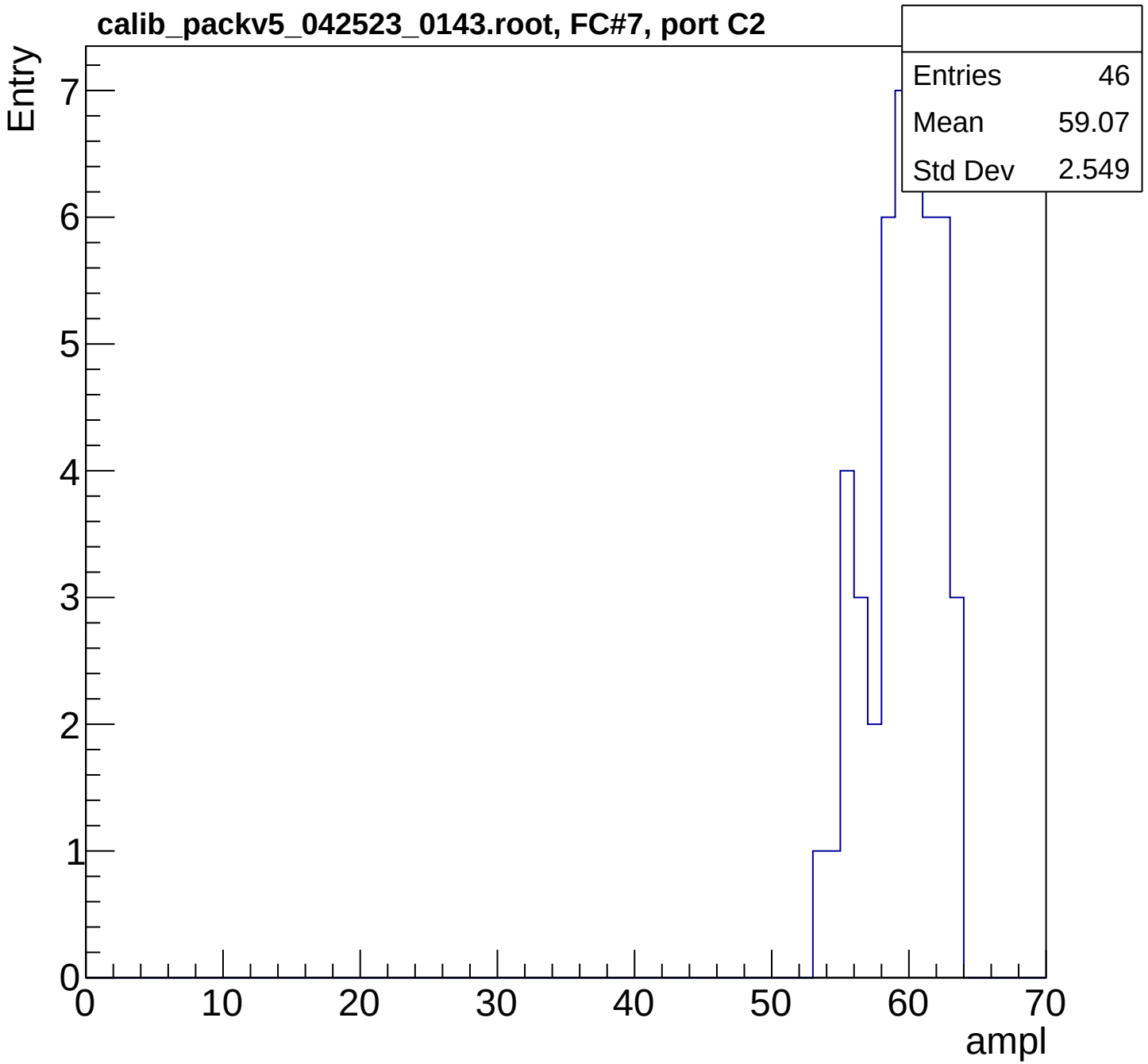
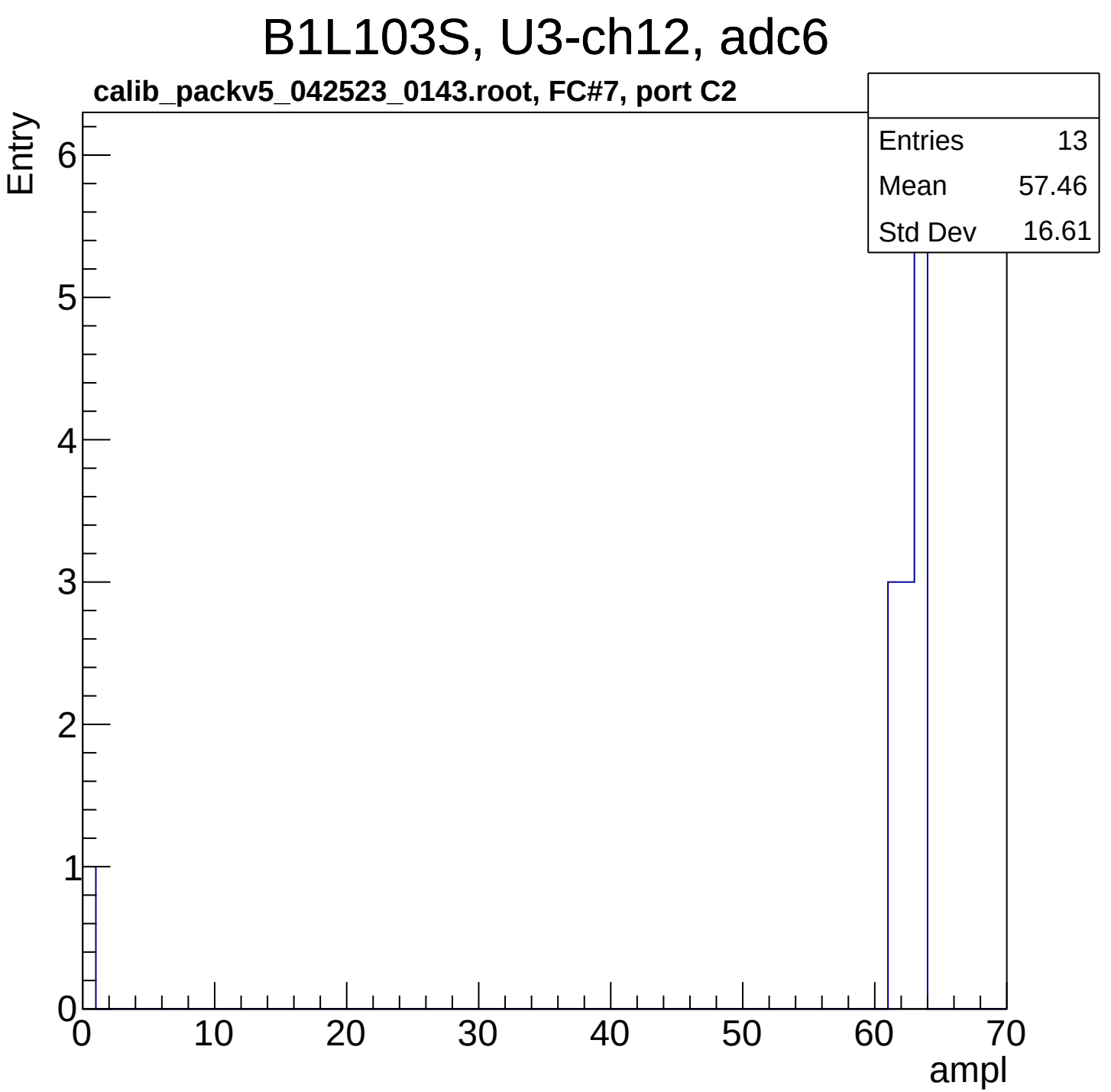
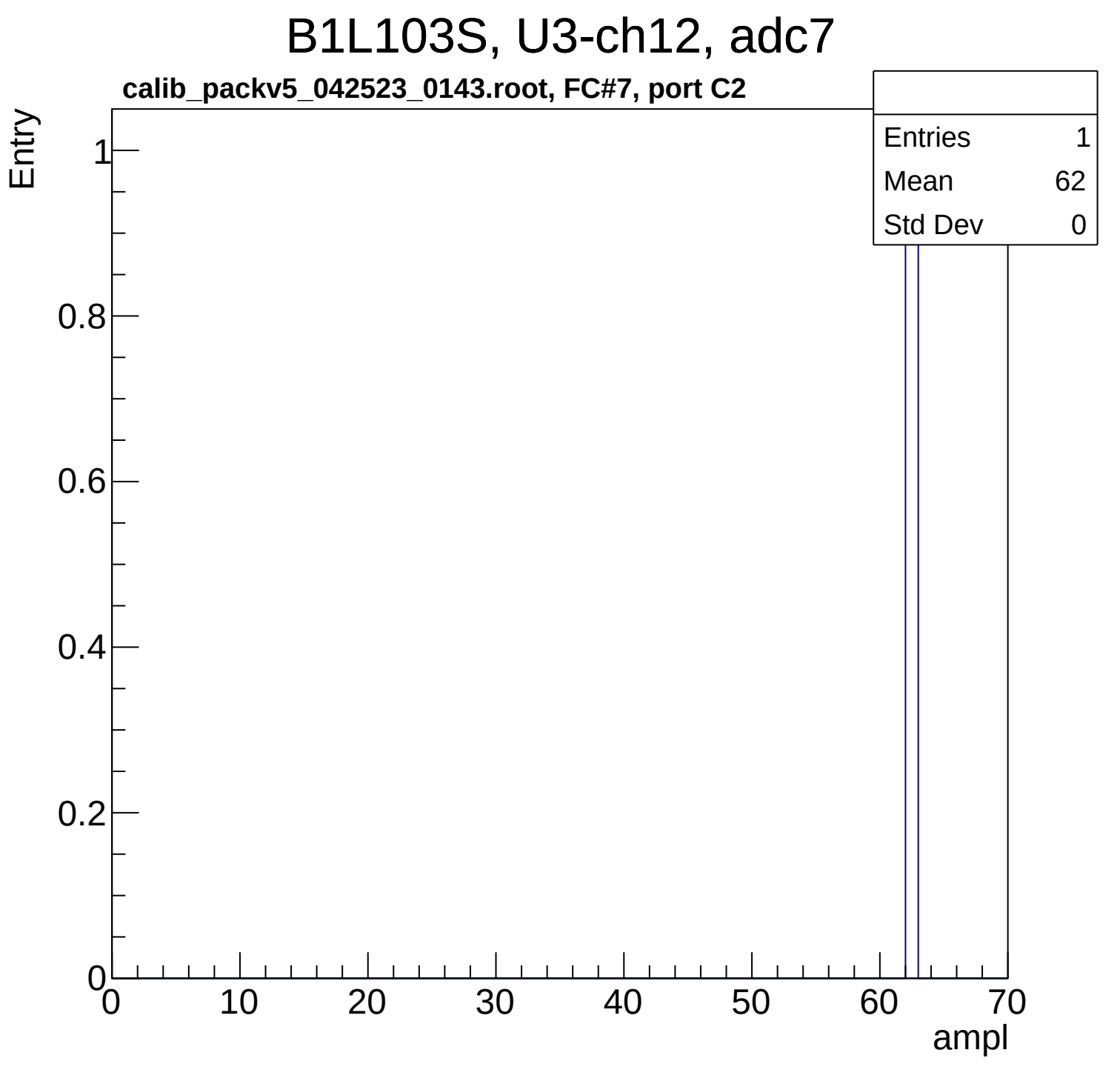
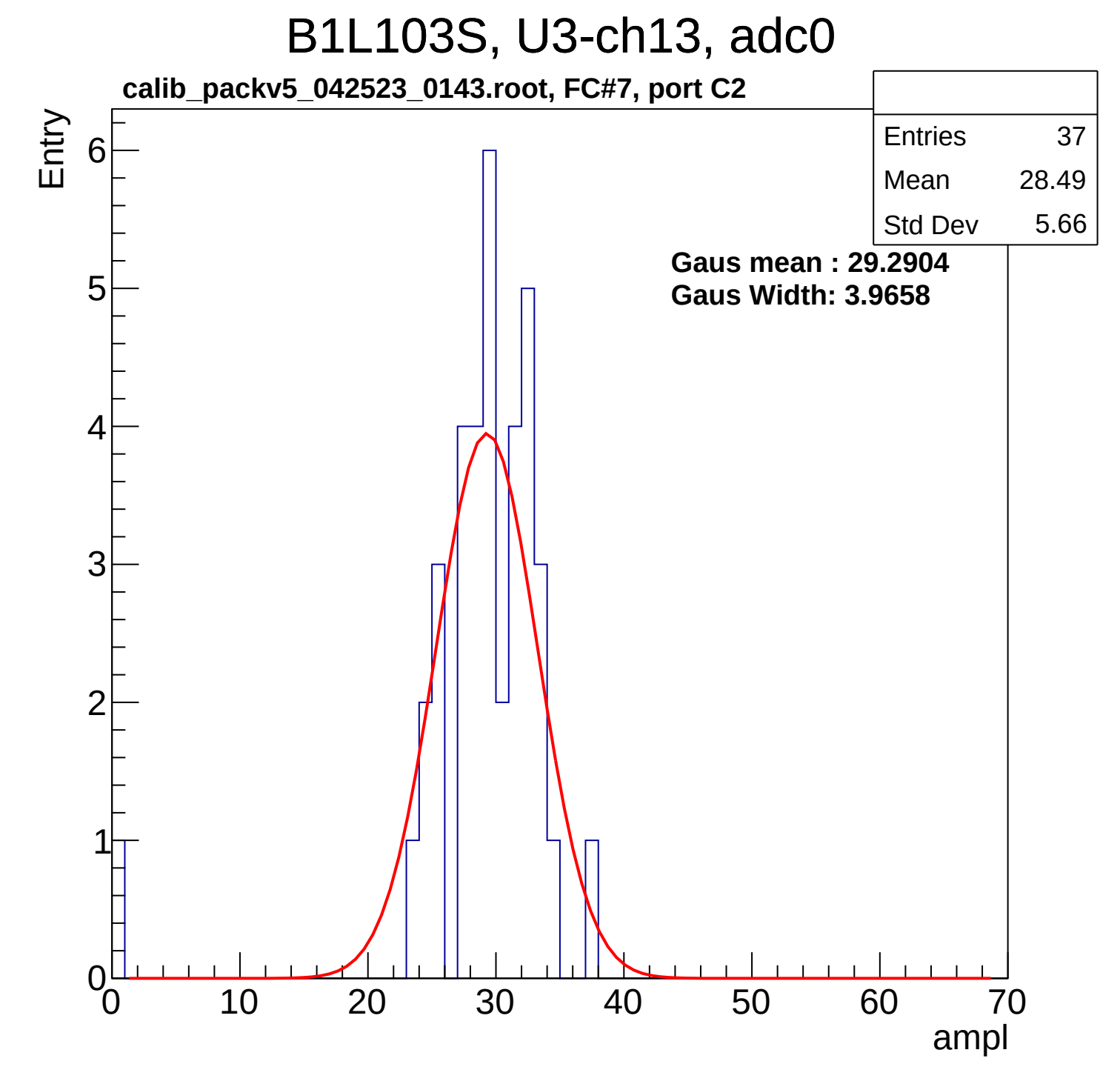

B1L103S, U3-ch12, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 54.87
Std Dev 3.085
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch12, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 59.07
Std Dev 2.549
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch12, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 13
Mean 57.46
Std Dev 16.61
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch12, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch13, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 37
Mean 28.49
Std Dev 5.66
Gaus mean : 29.2904
Gaus Width: 3.9658
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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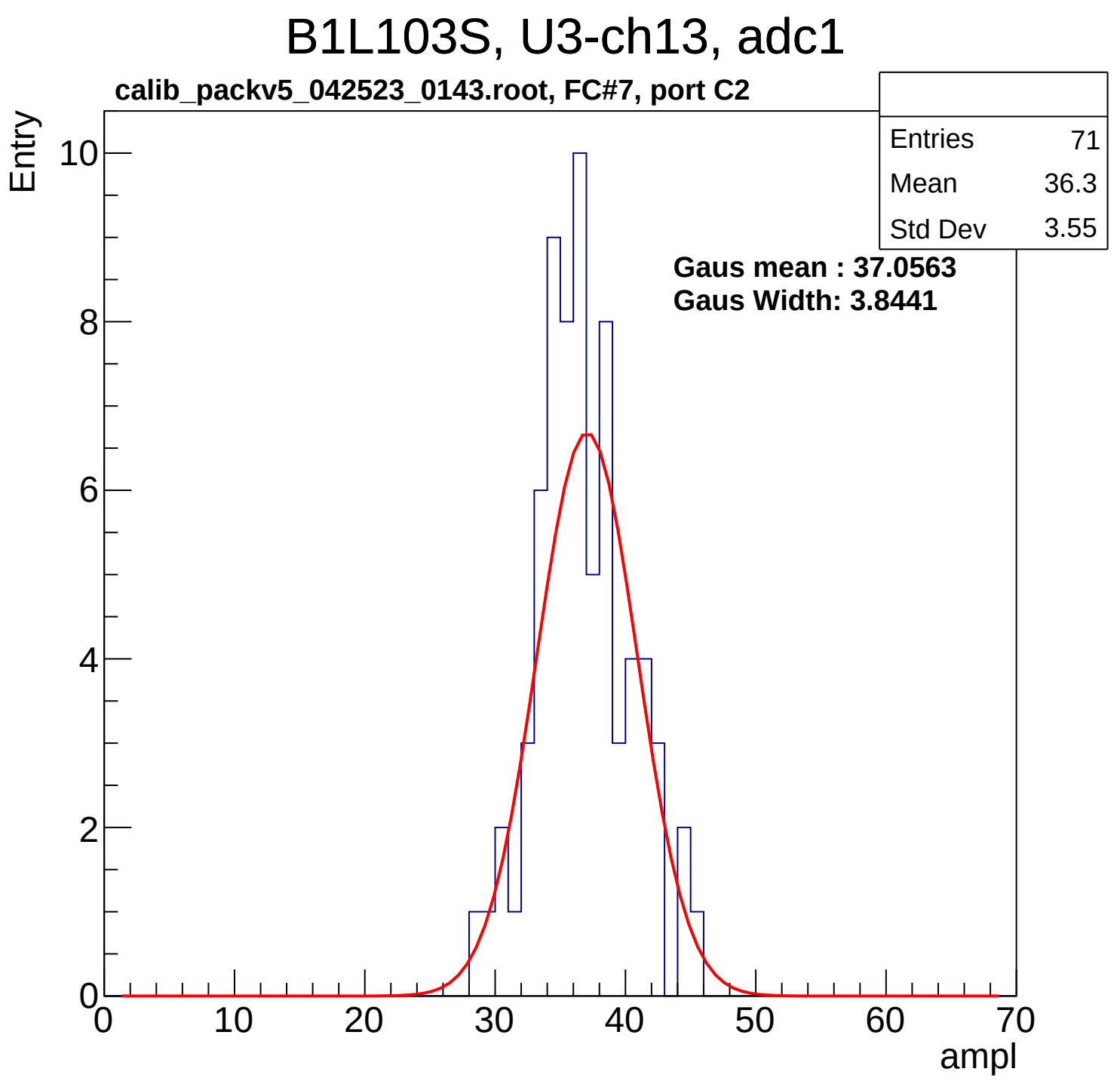
B1L103S, U3-ch13, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 36.3
Std Dev 3.55
Gaus mean : 37.0563
Gaus Width: 3.8441
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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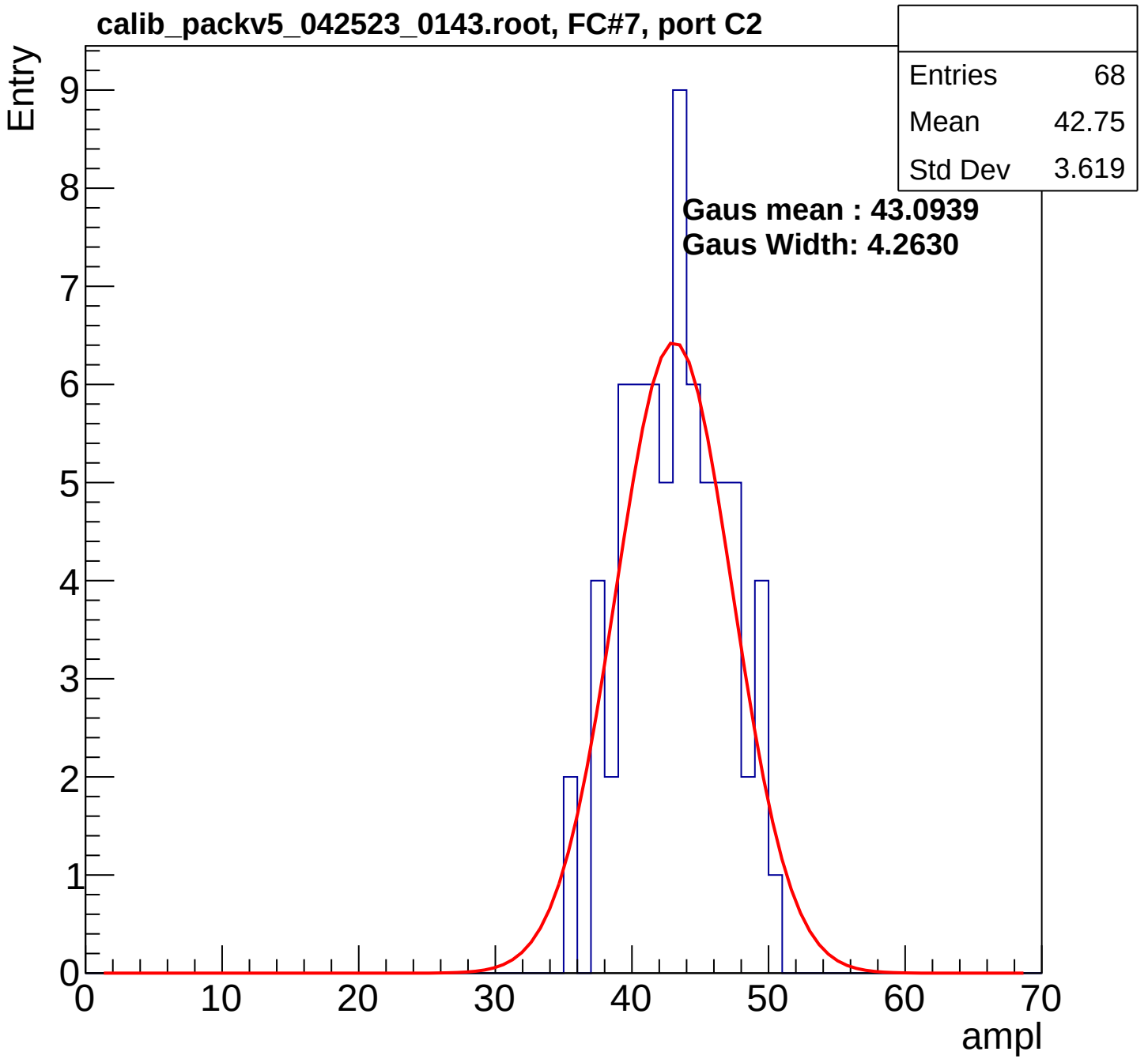
B1L103S, U3-ch13, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 42.75
Std Dev 3.619
Gaus mean : 43.0939
Gaus Width: 4.2630
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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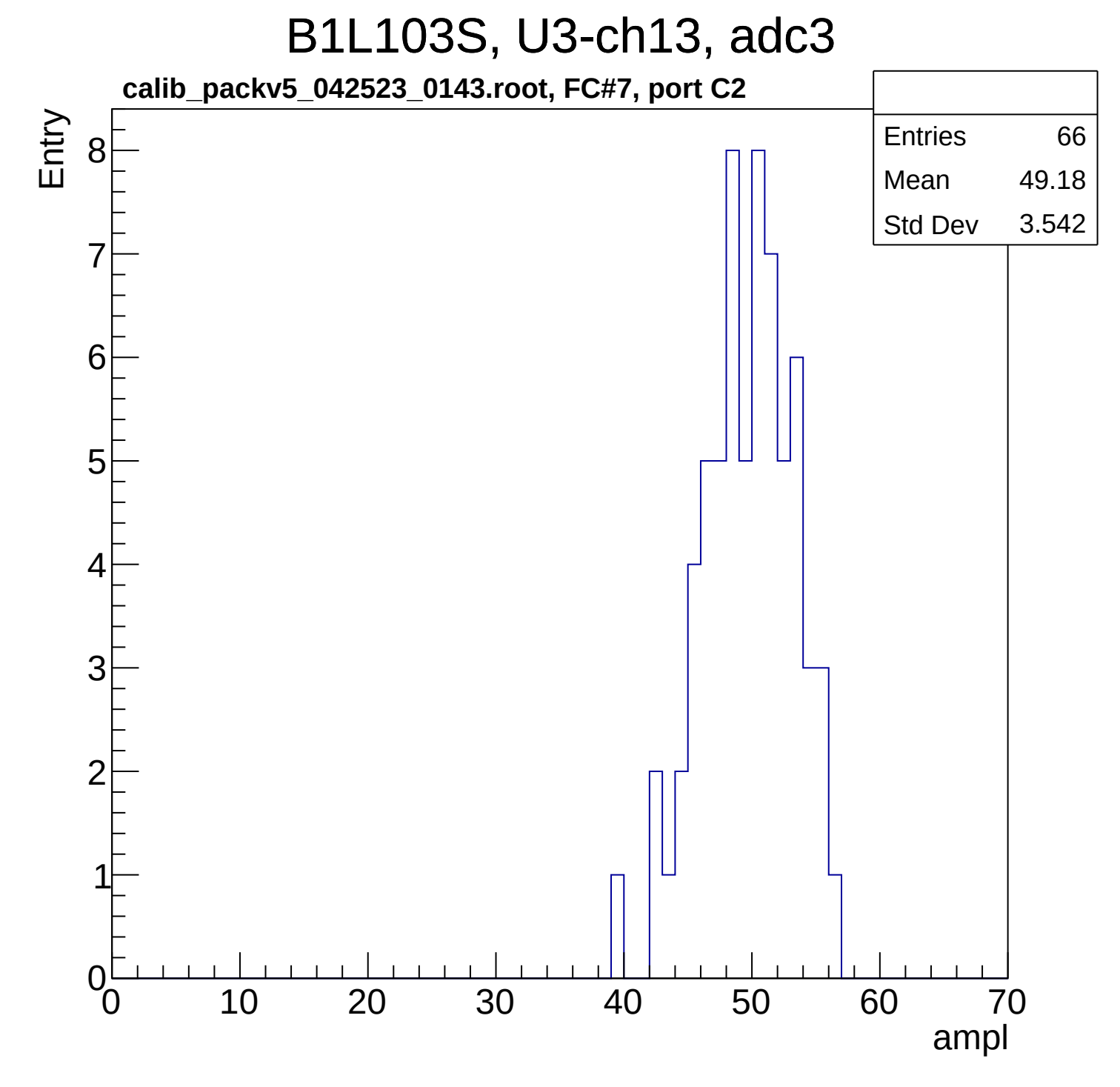
B1L103S, U3-ch13, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 49.18
Std Dev 3.542
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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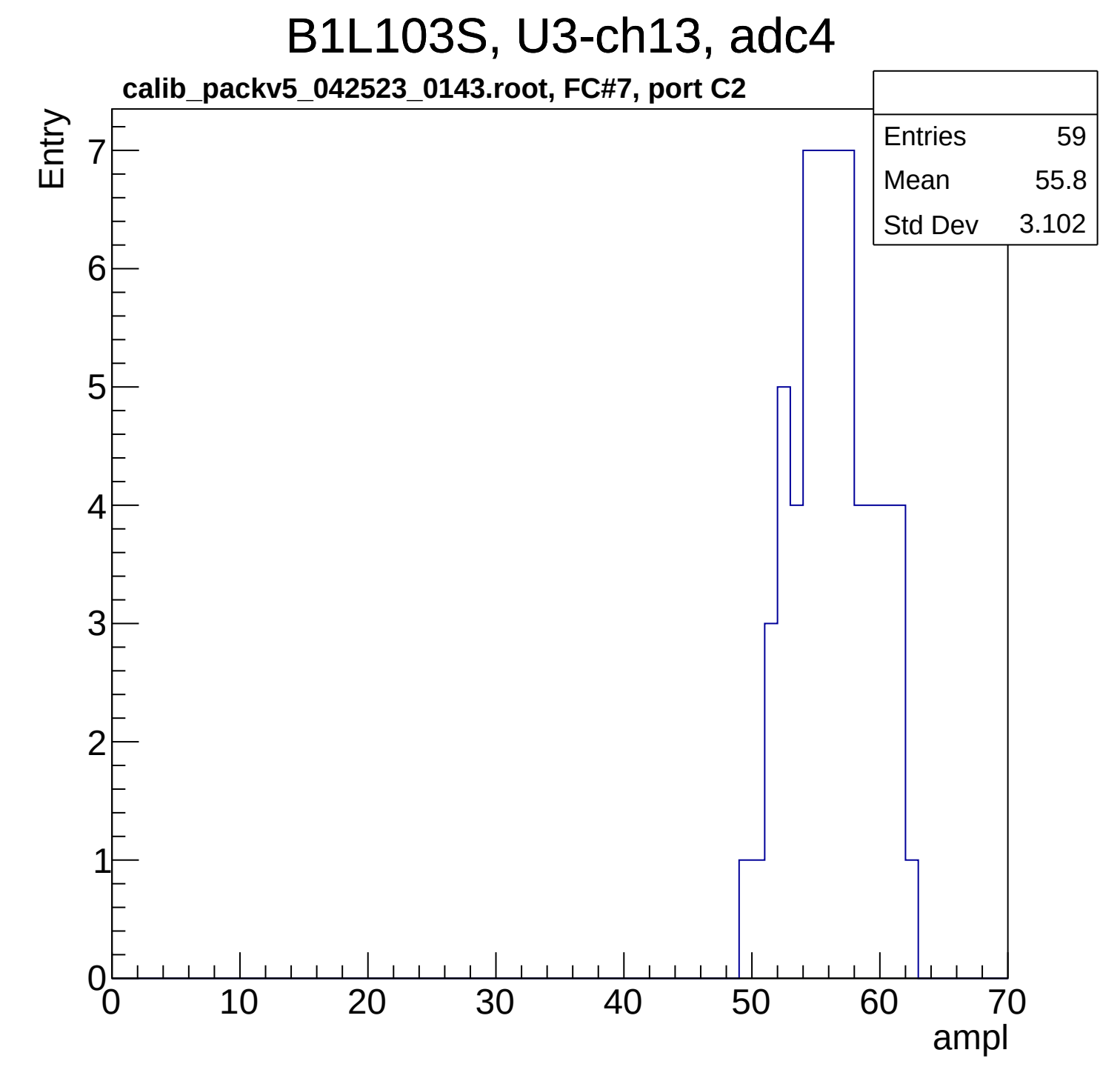
B1L103S, U3-ch13, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 55.8
Std Dev 3.102
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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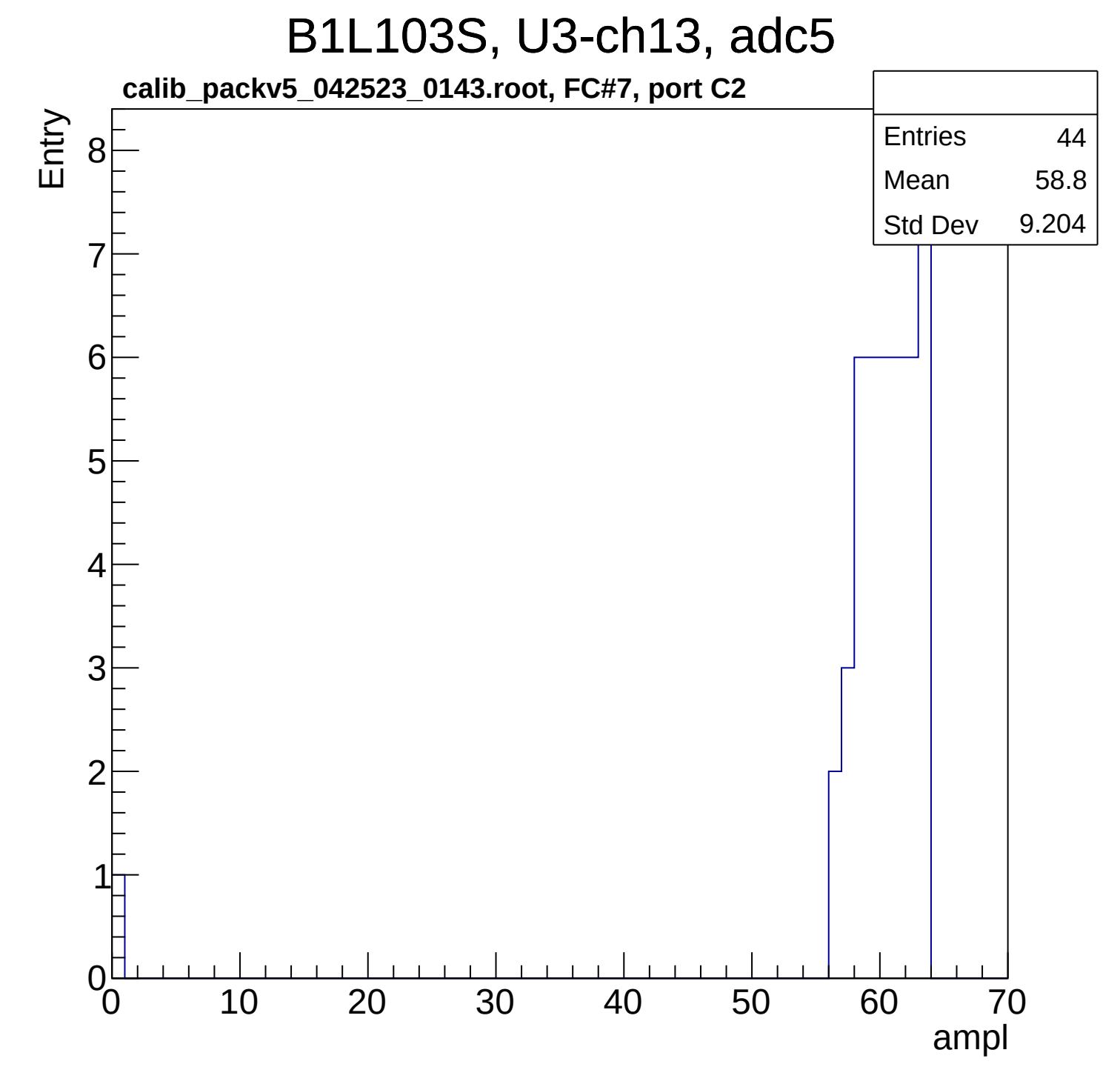
B1L103S, U3-ch13, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.8
Std Dev 9.204
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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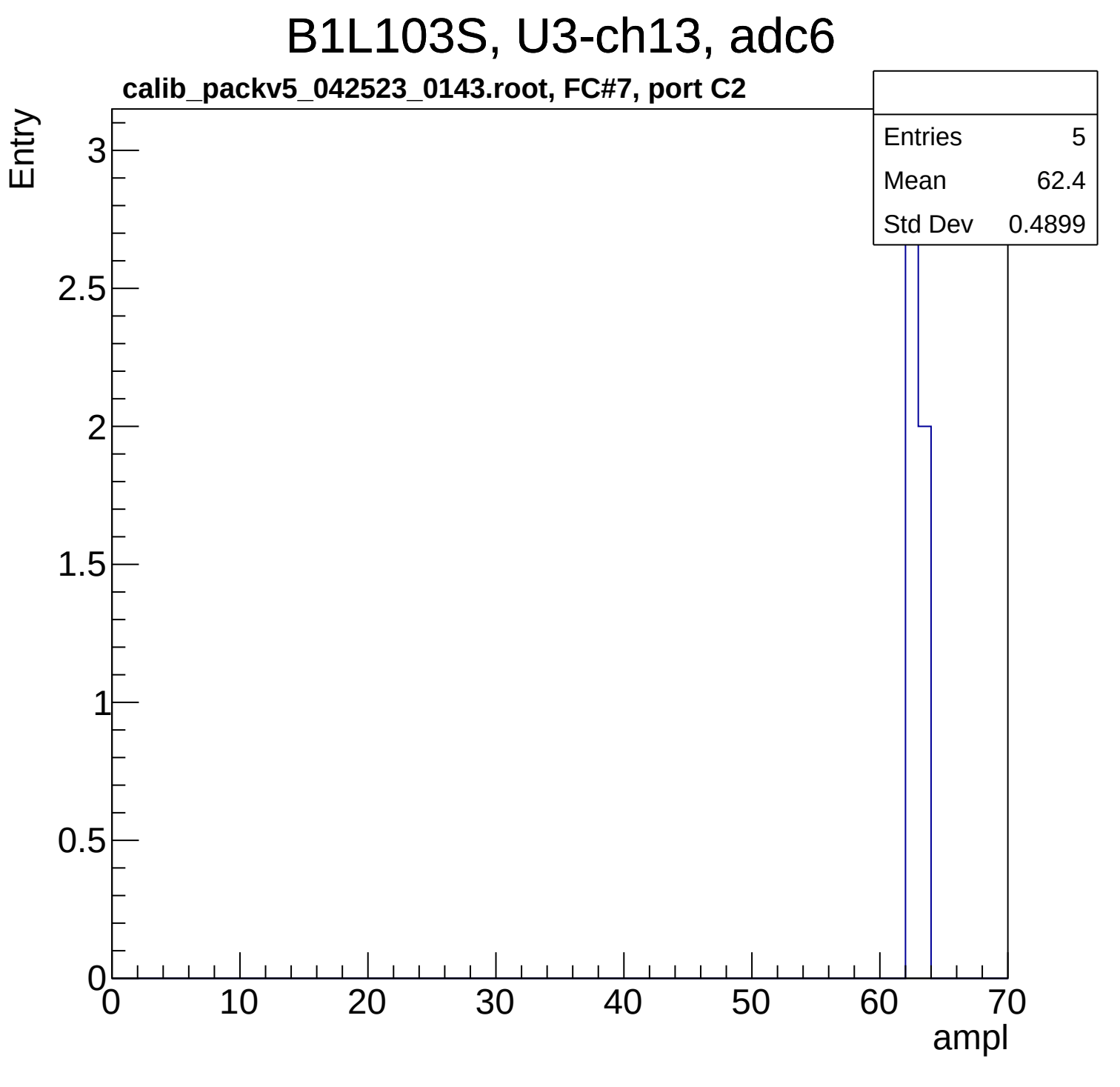
B1L103S, U3-ch13, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 62.4
Std Dev 0.4899
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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40
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60
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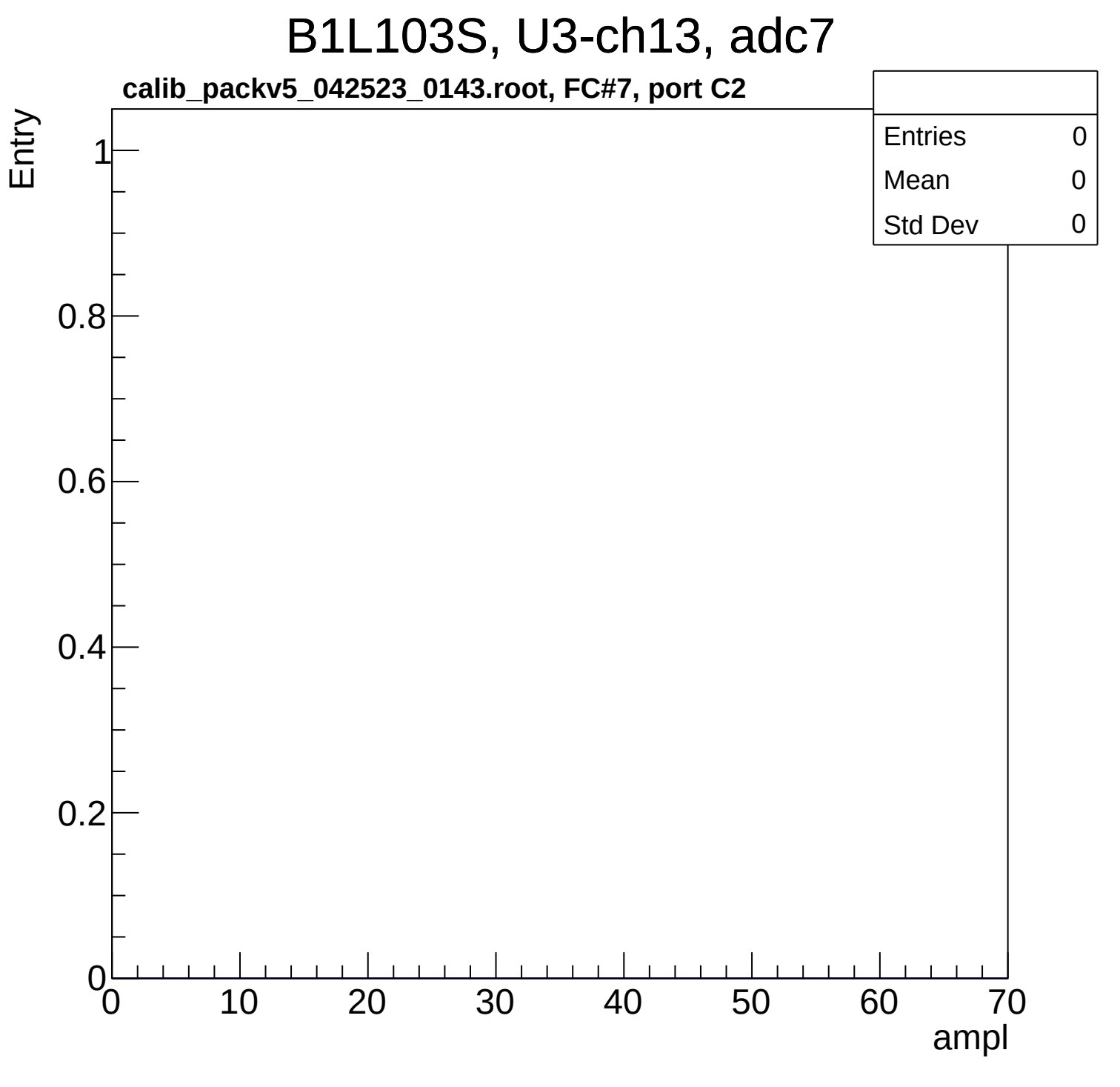
B1L103S, U3-ch13, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
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10
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30
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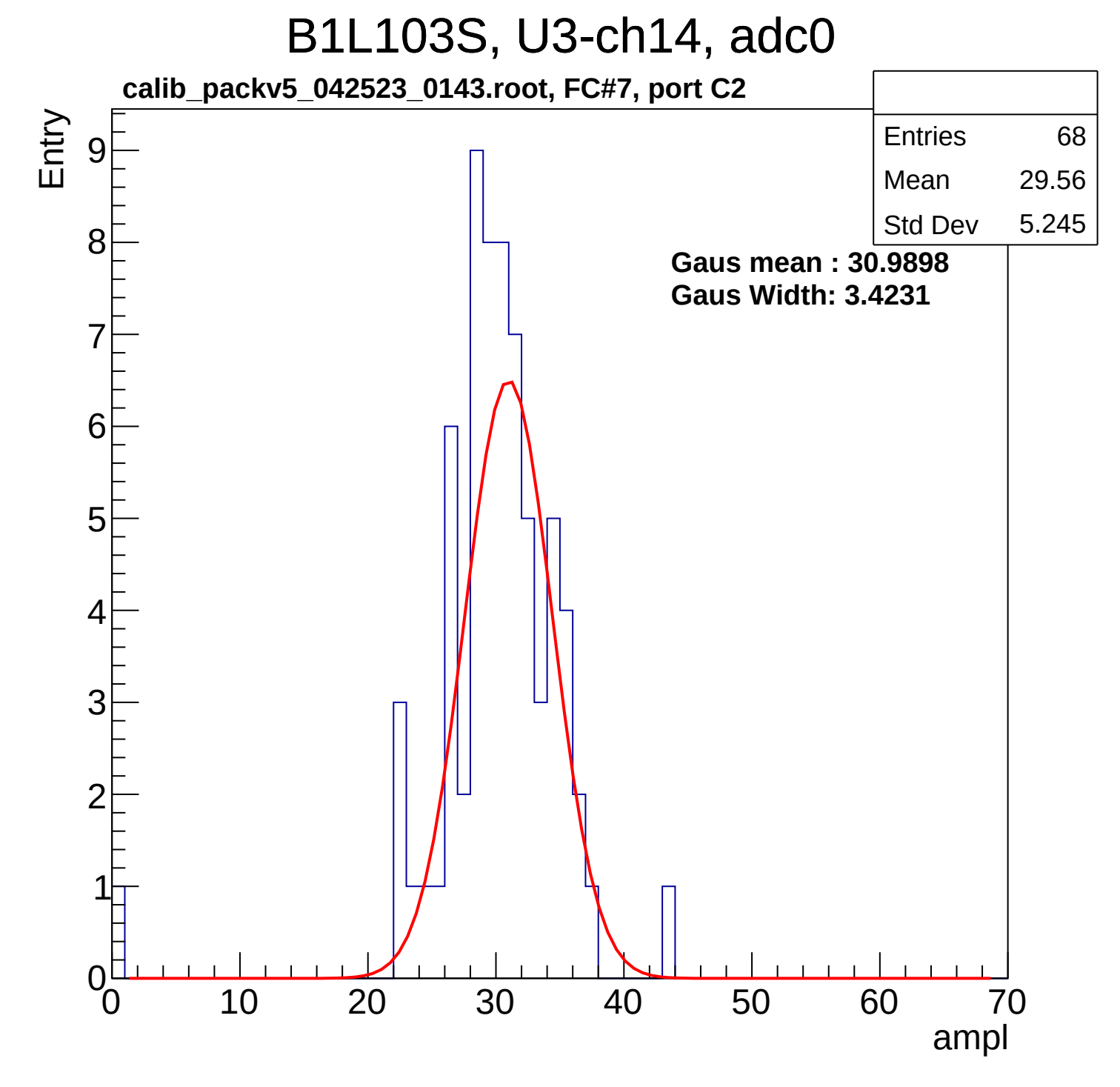
50
60
70
ampl


B1L103S, U3-ch14, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 29.56
Std Dev 5.245
Gaus mean : 30.9898
Gaus Width: 3.4231
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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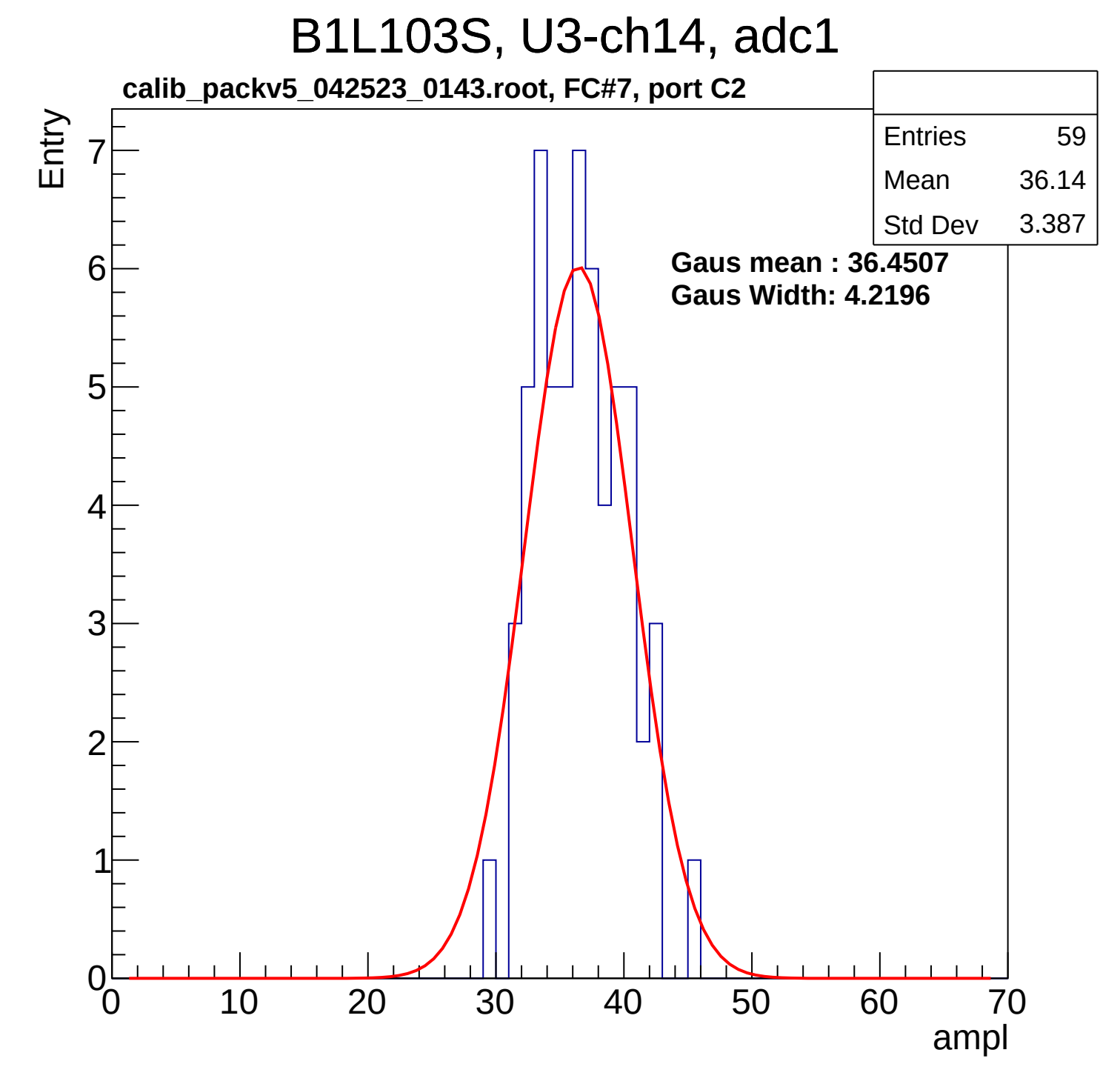
B1L103S, U3-ch14, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 36.14
Std Dev 3.387
Gaus mean : 36.4507
Gaus Width: 4.2196
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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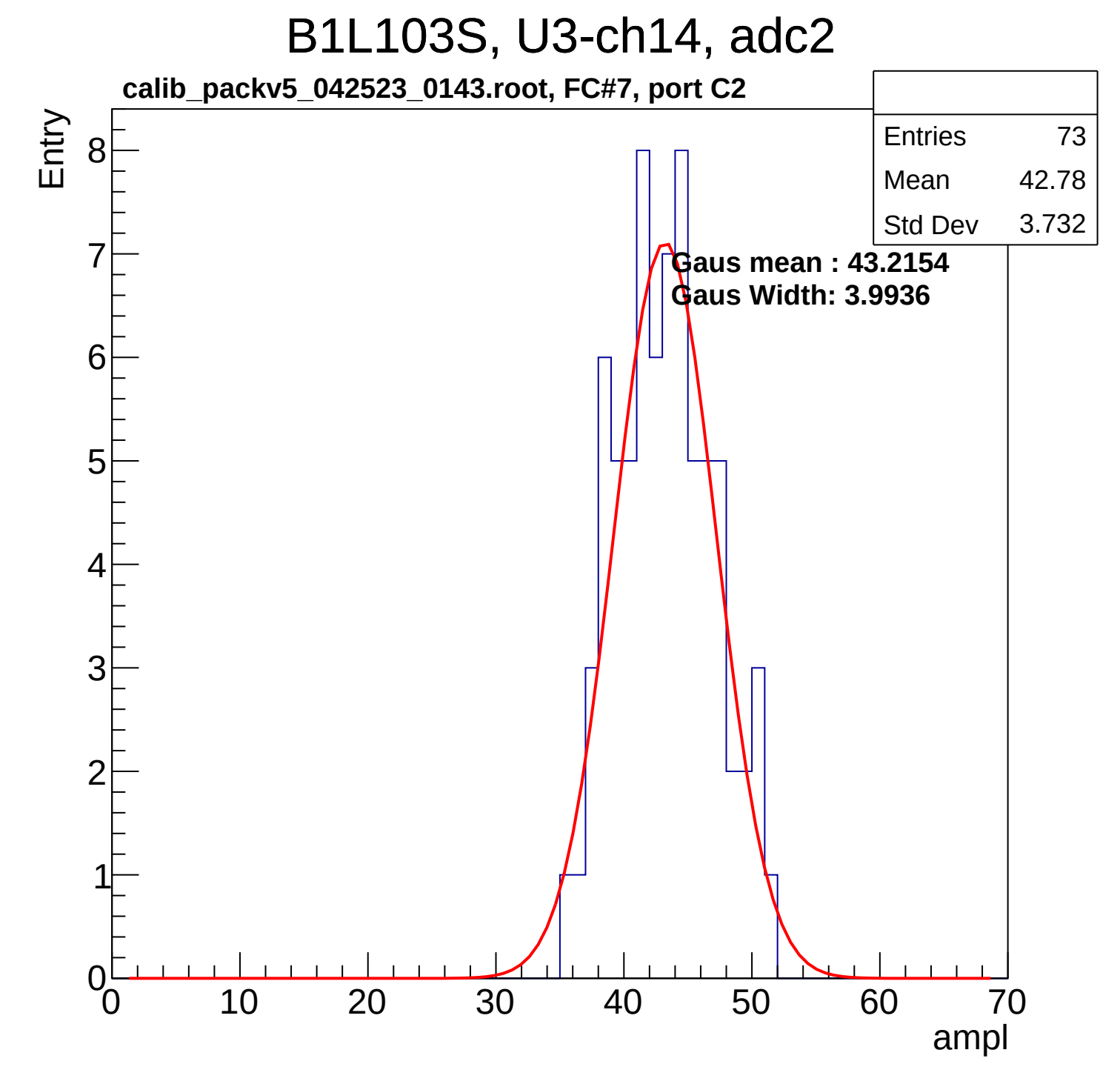
B1L103S, U3-ch14, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 42.78
Std Dev 3.732
Gaus mean : 43.2154
Gaus Width: 3.9936
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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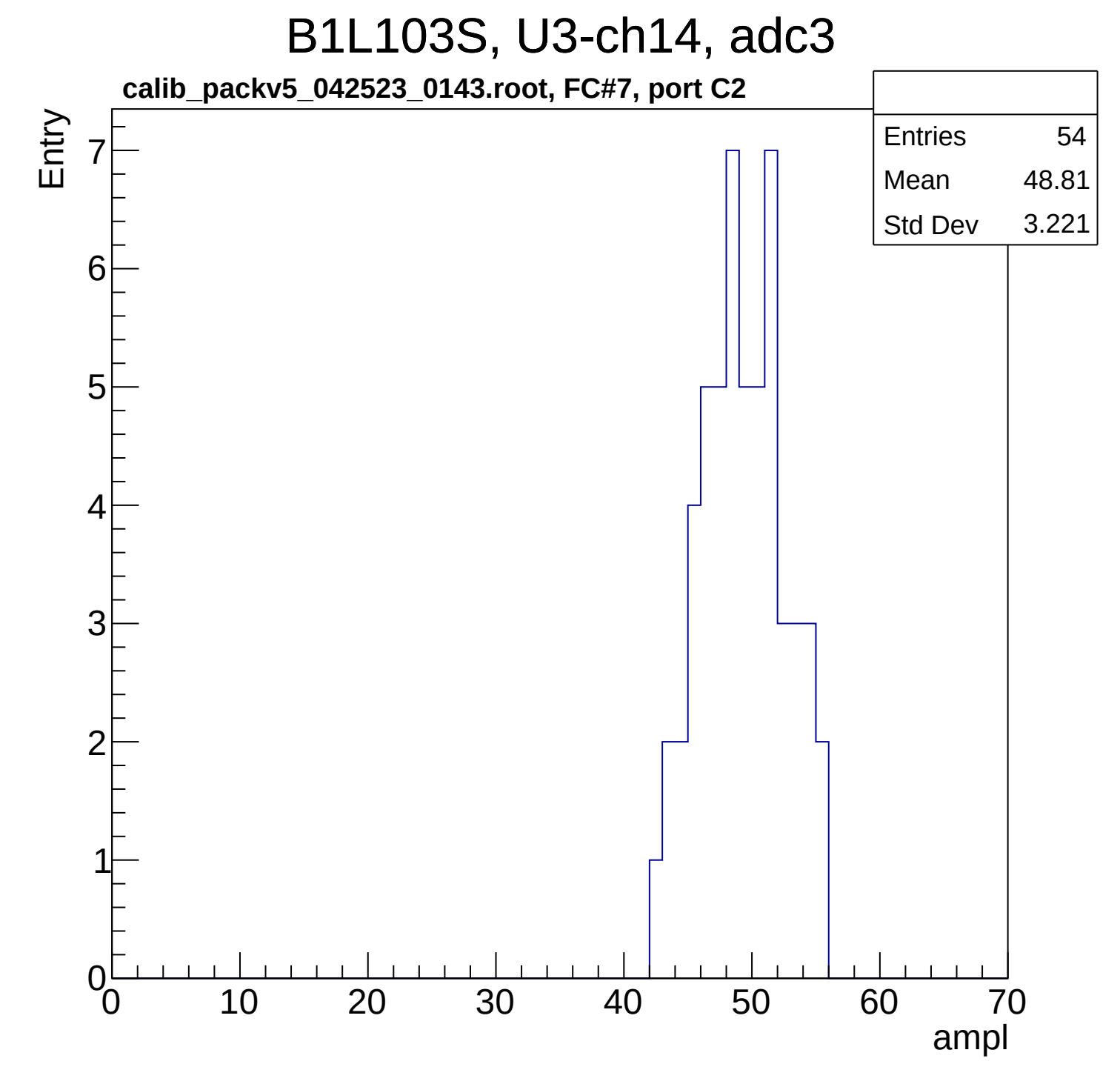
B1L103S, U3-ch14, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 48.81
Std Dev 3.221
Entry
ampl
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1
2
3
4
5
6
7
0
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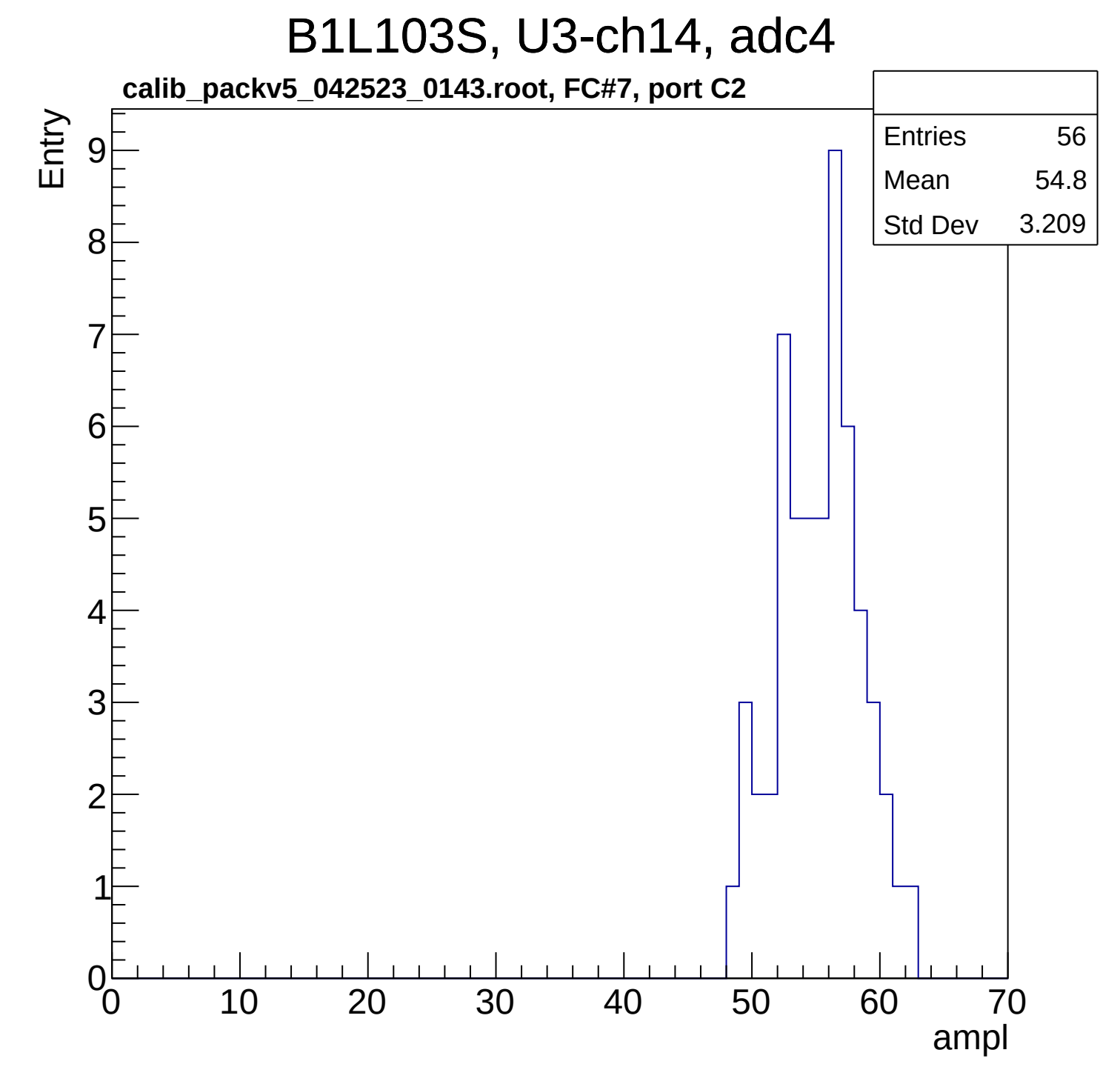
20
30
40
50
60
70


B1L103S, U3-ch14, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 54.8
Std Dev 3.209
Entry
ampl
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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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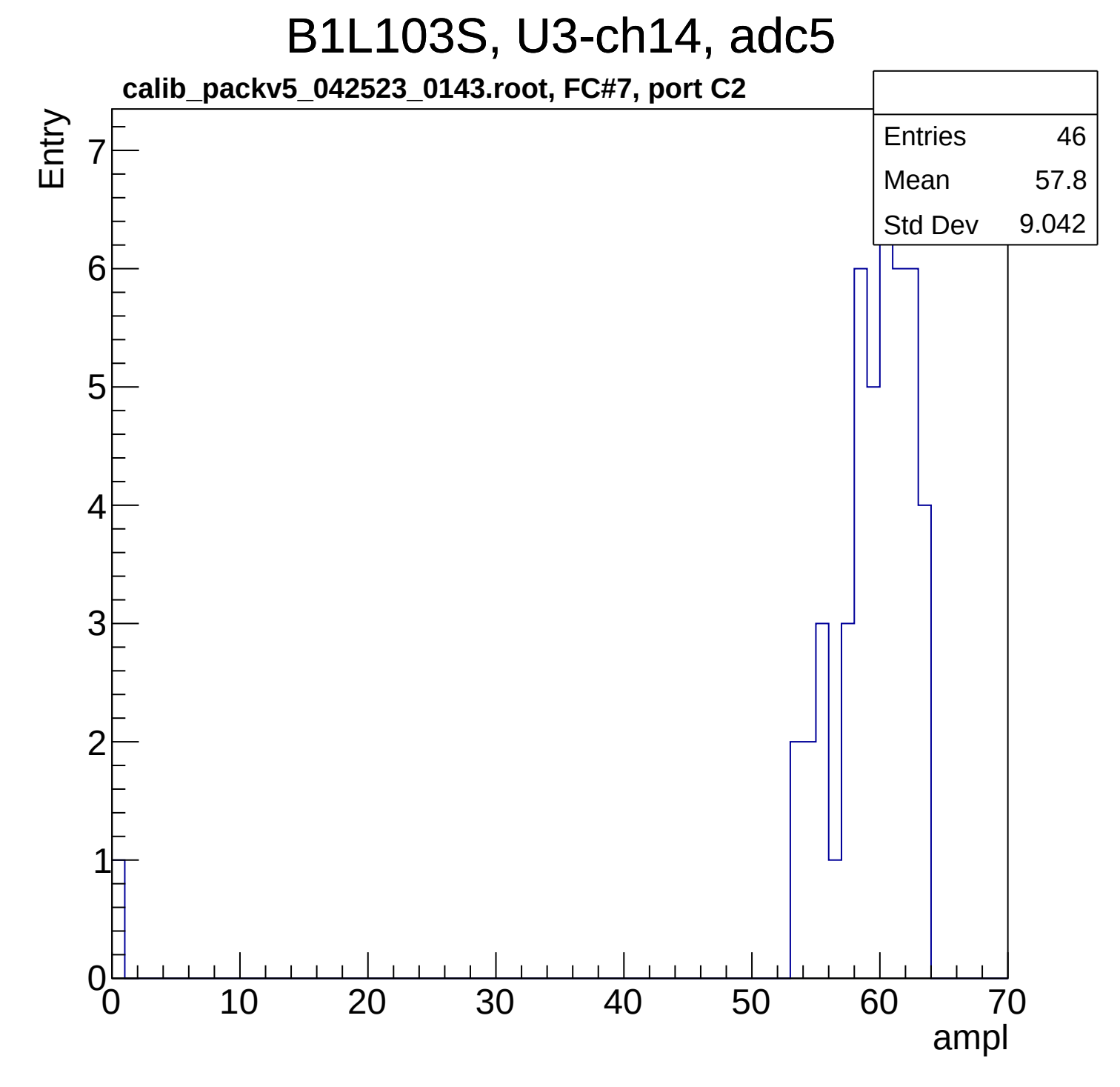
B1L103S, U3-ch14, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 57.8
Std Dev 9.042
Entry
ampl
0
1
2
3
4
5
6
7
0
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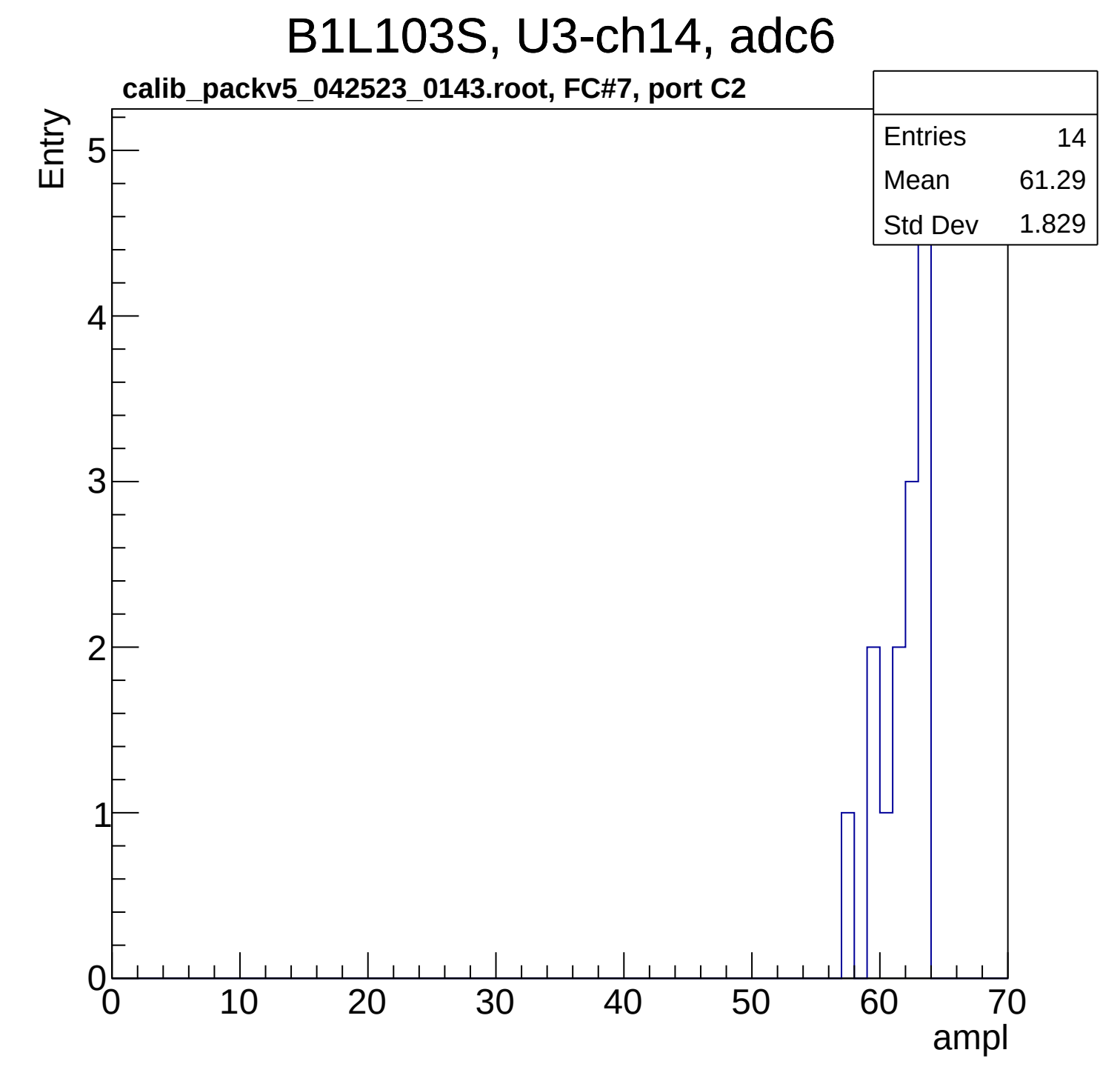
20
30
40
50
60
70


B1L103S, U3-ch14, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 61.29
Std Dev 1.829
Entry
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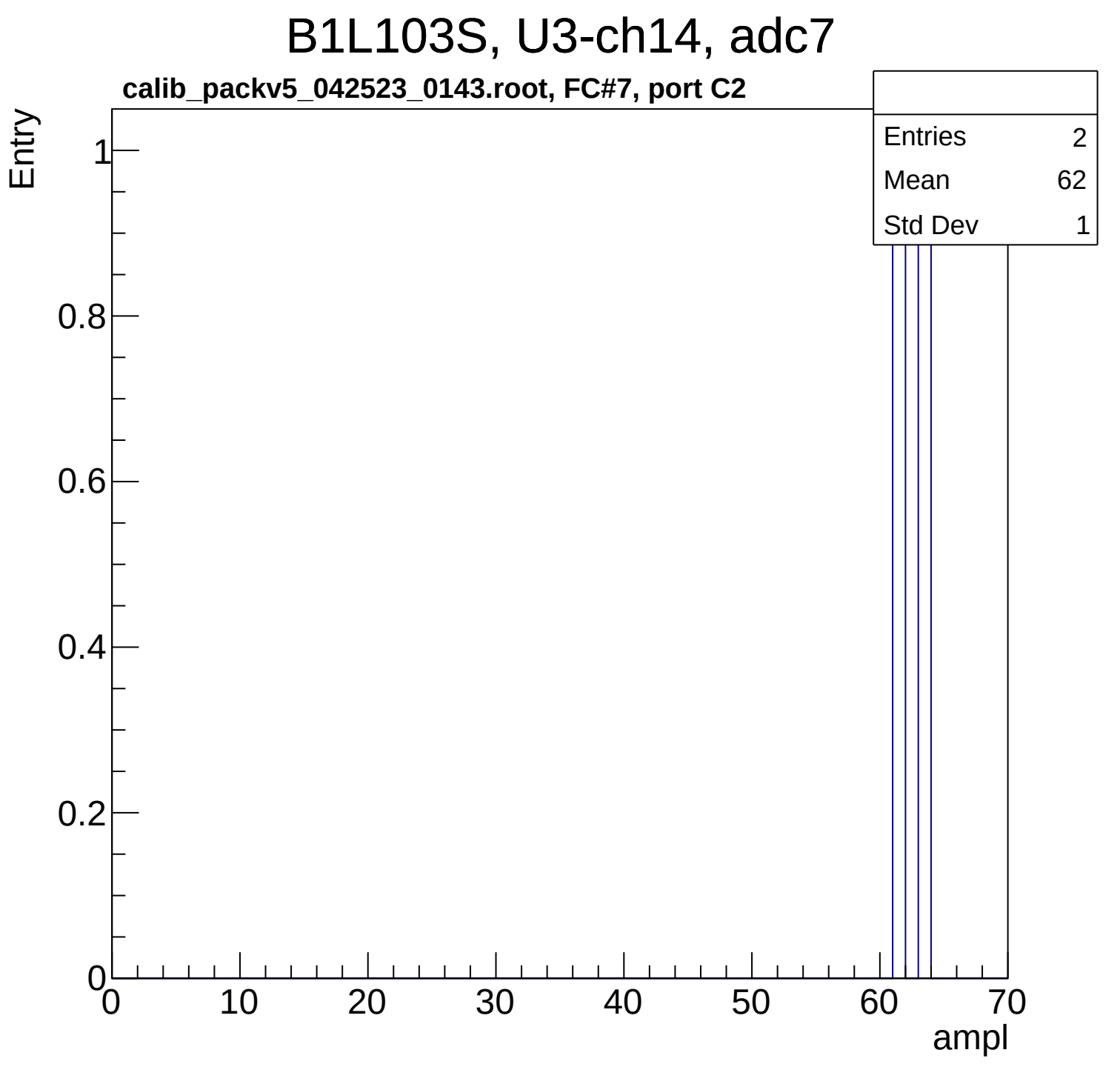
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch14, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 62
Std Dev 1
Entry
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0.6
0.4
0.2
0
0
10
20
30
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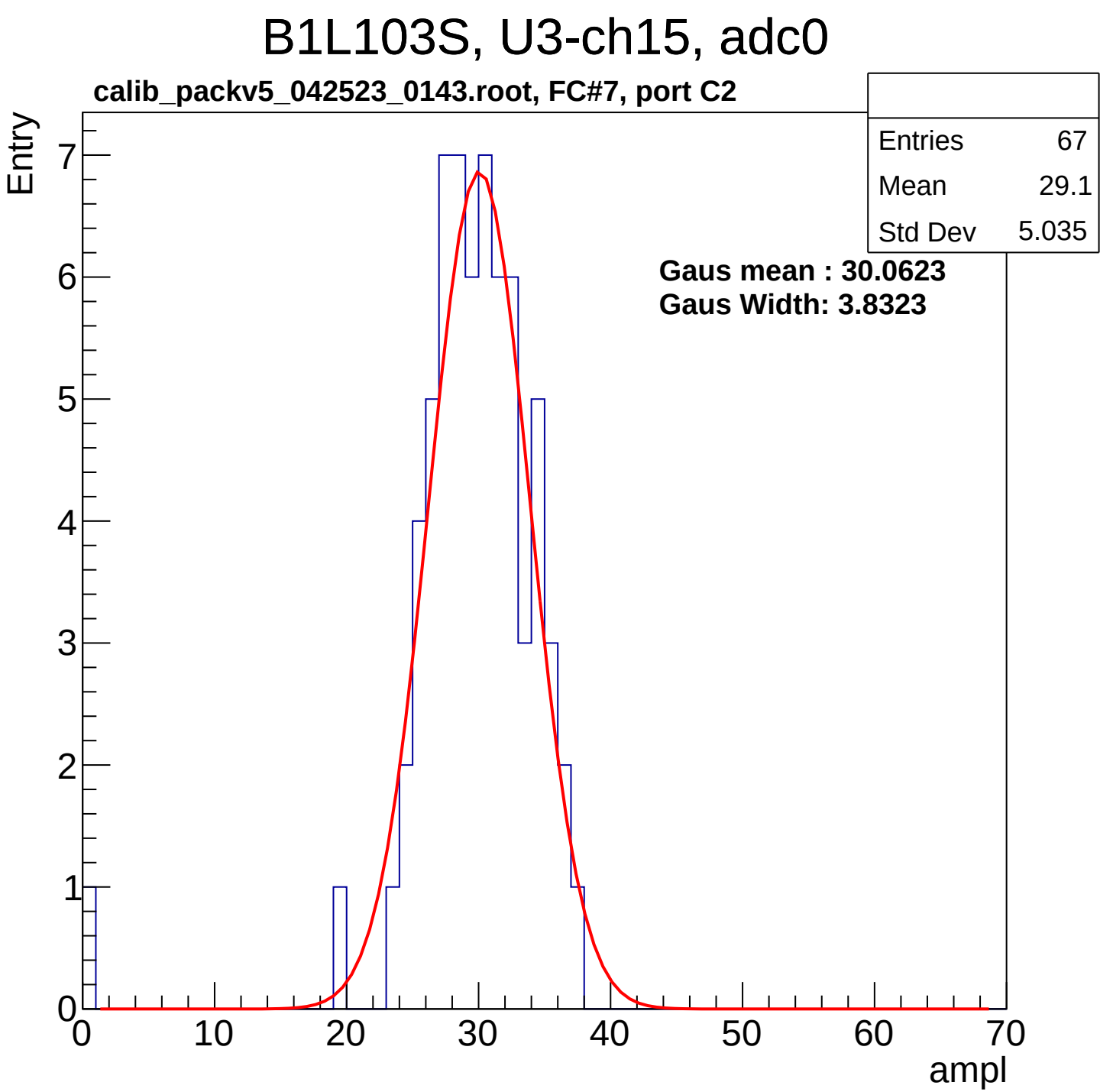
50
60
70
ampl


B1L103S, U3-ch15, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 29.1
Std Dev 5.035
Gaus mean : 30.0623
Gaus Width: 3.8323
Entry
ampl
0
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3
4
5
6
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0
10
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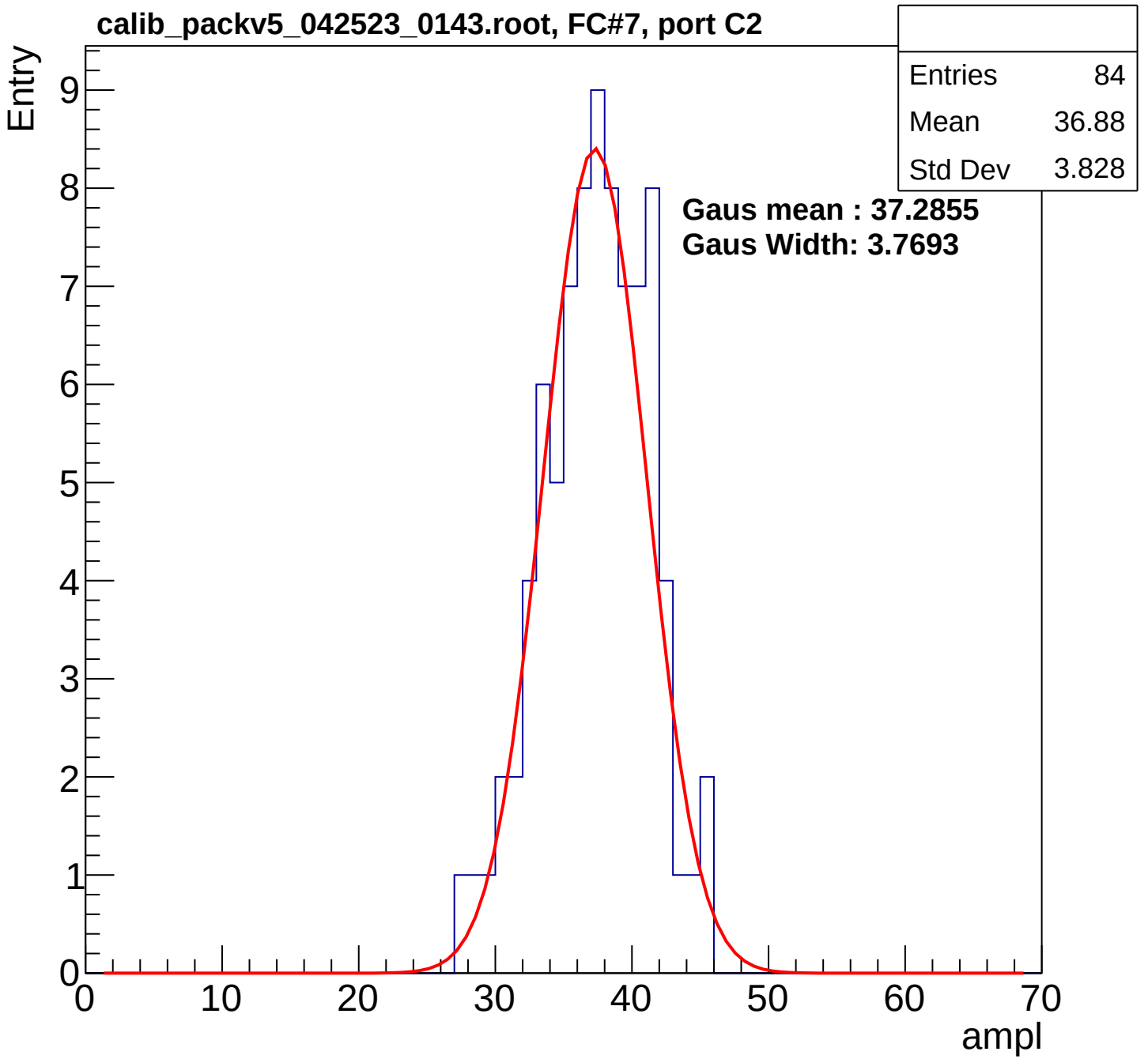
B1L103S, U3-ch15, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 36.88
Std Dev 3.828
Gaus mean : 37.2855
Gaus Width: 3.7693
Entry
ampl
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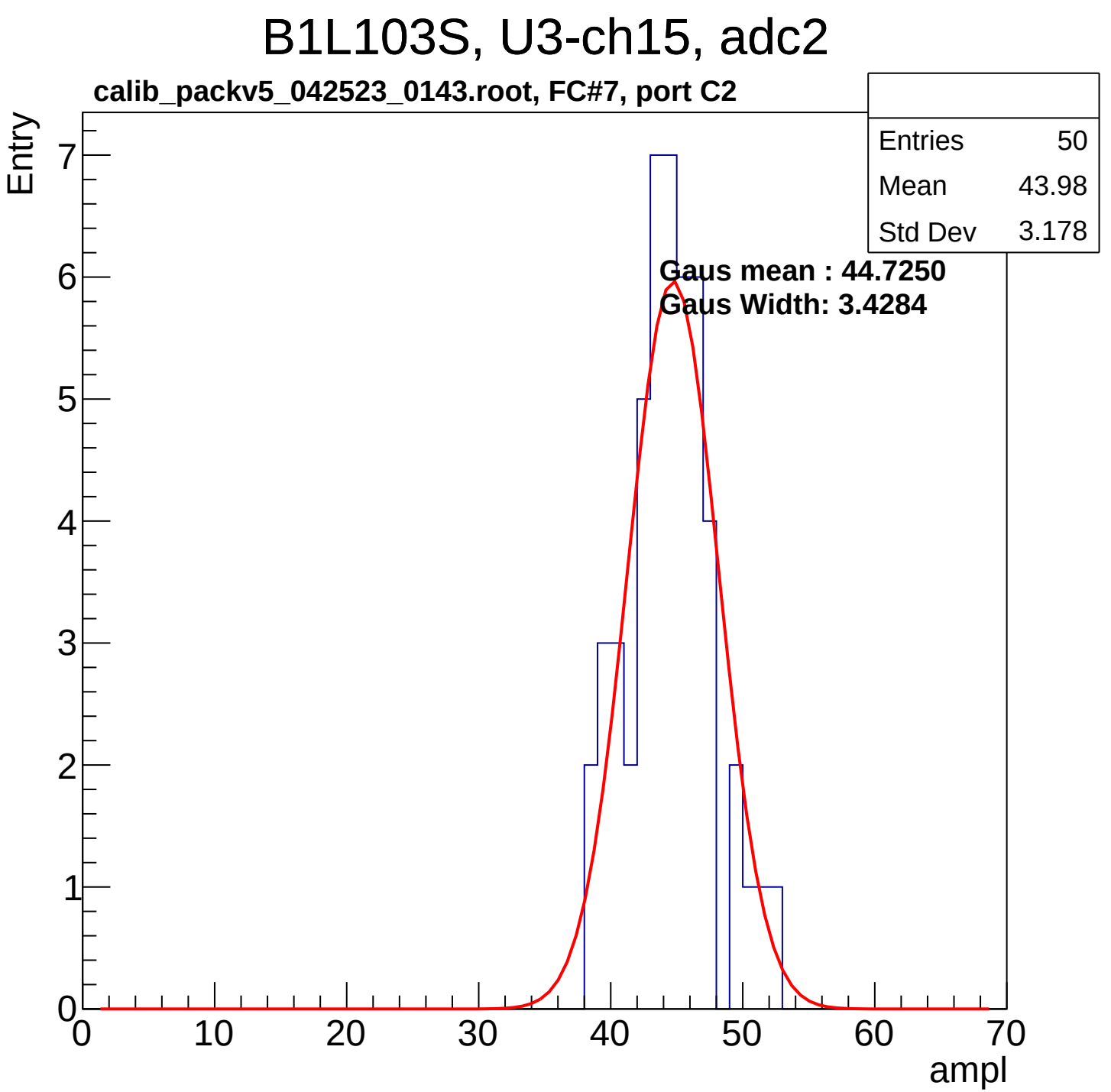
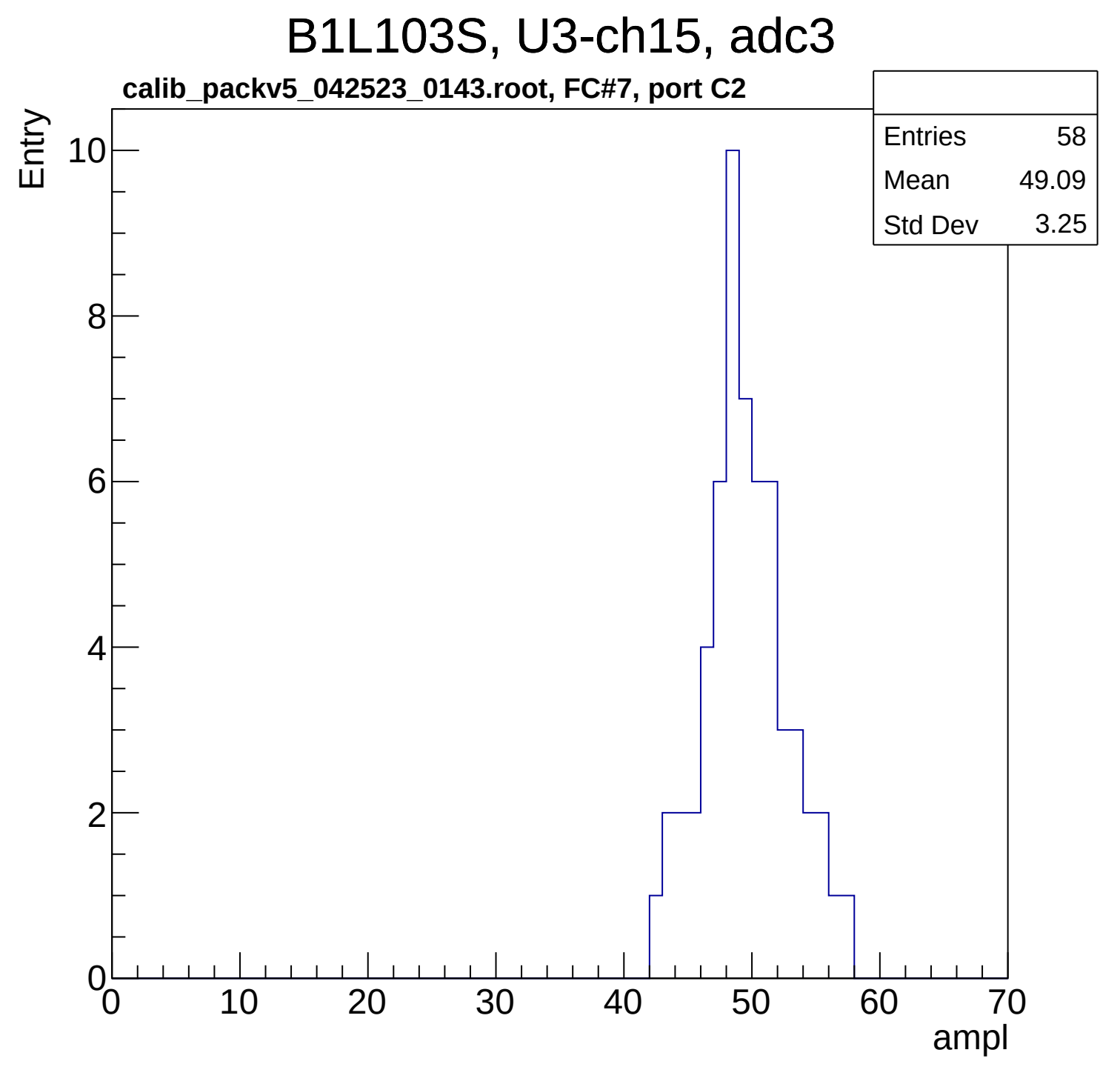
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B1L103S, U3-ch15, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 43.98
Std Dev 3.178
Gaus mean : 44.7250
Gaus Width: 3.4284
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch15, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 49.09
Std Dev 3.25
Entry
0
2
4
6
8
10
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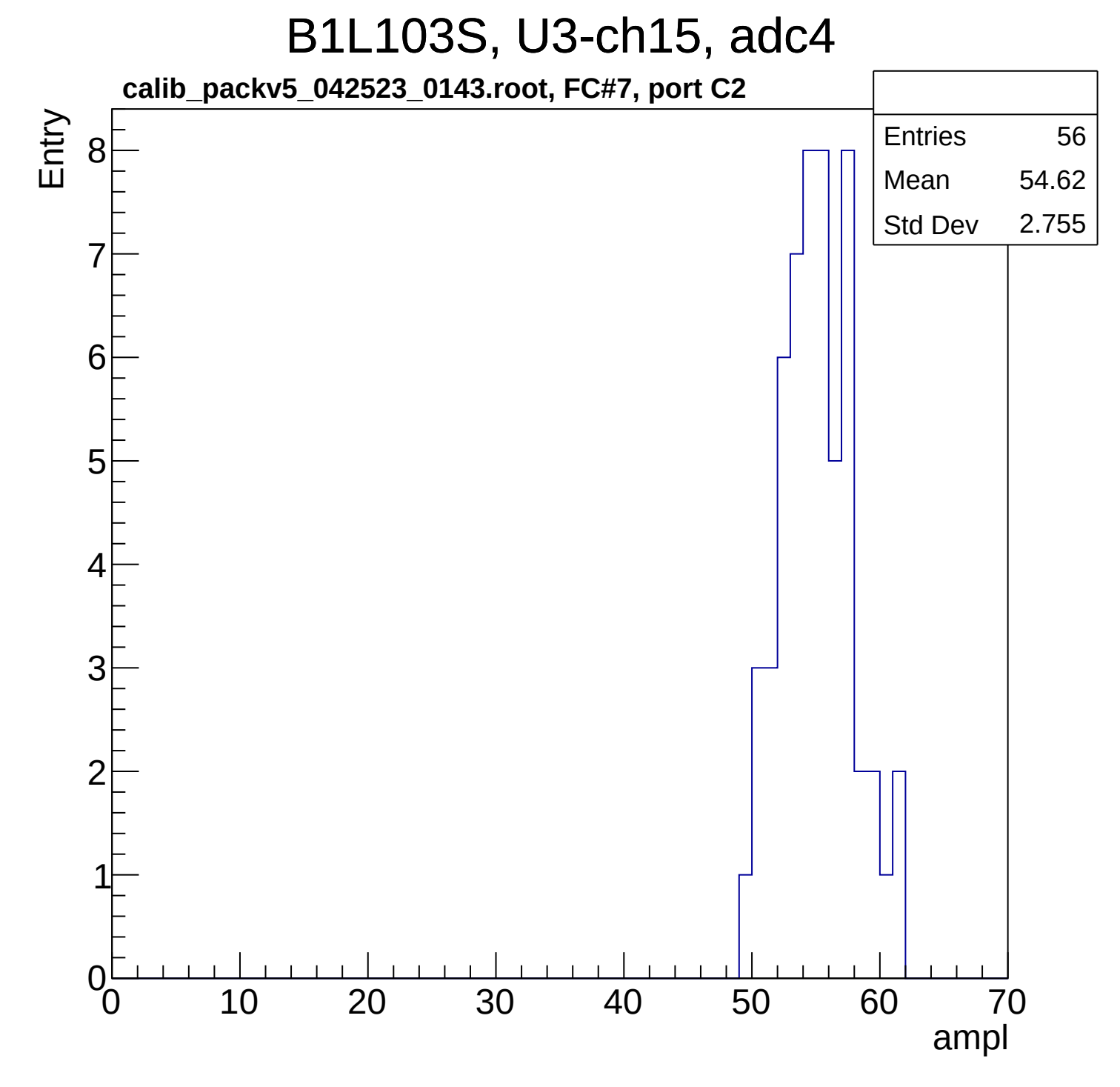
70
ampl


B1L103S, U3-ch15, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 54.62
Std Dev 2.755
Entry
ampl
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2
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60
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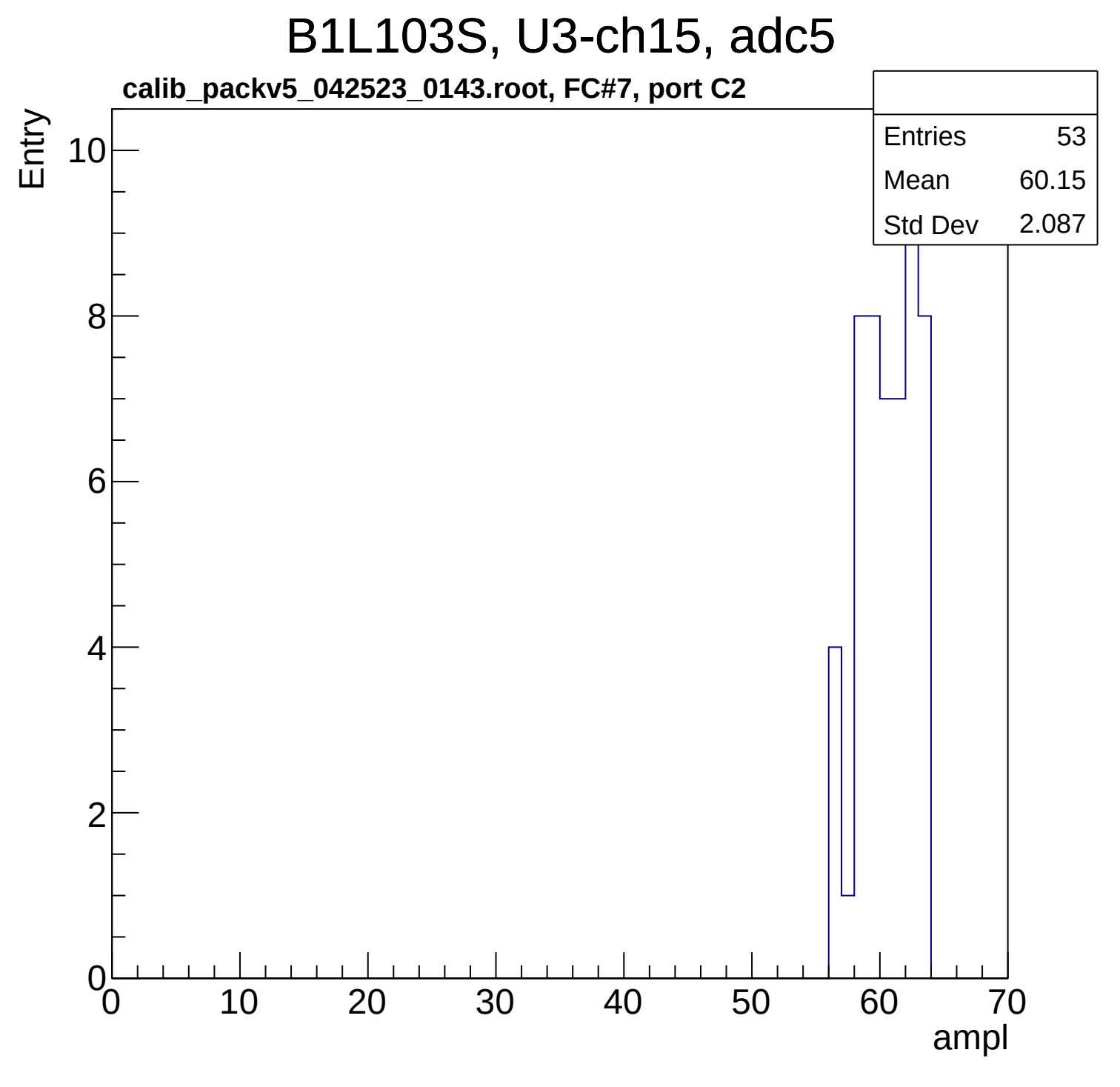
B1L103S, U3-ch15, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 60.15
Std Dev 2.087
Entry
0
2
4
6
8
10
0
10
20
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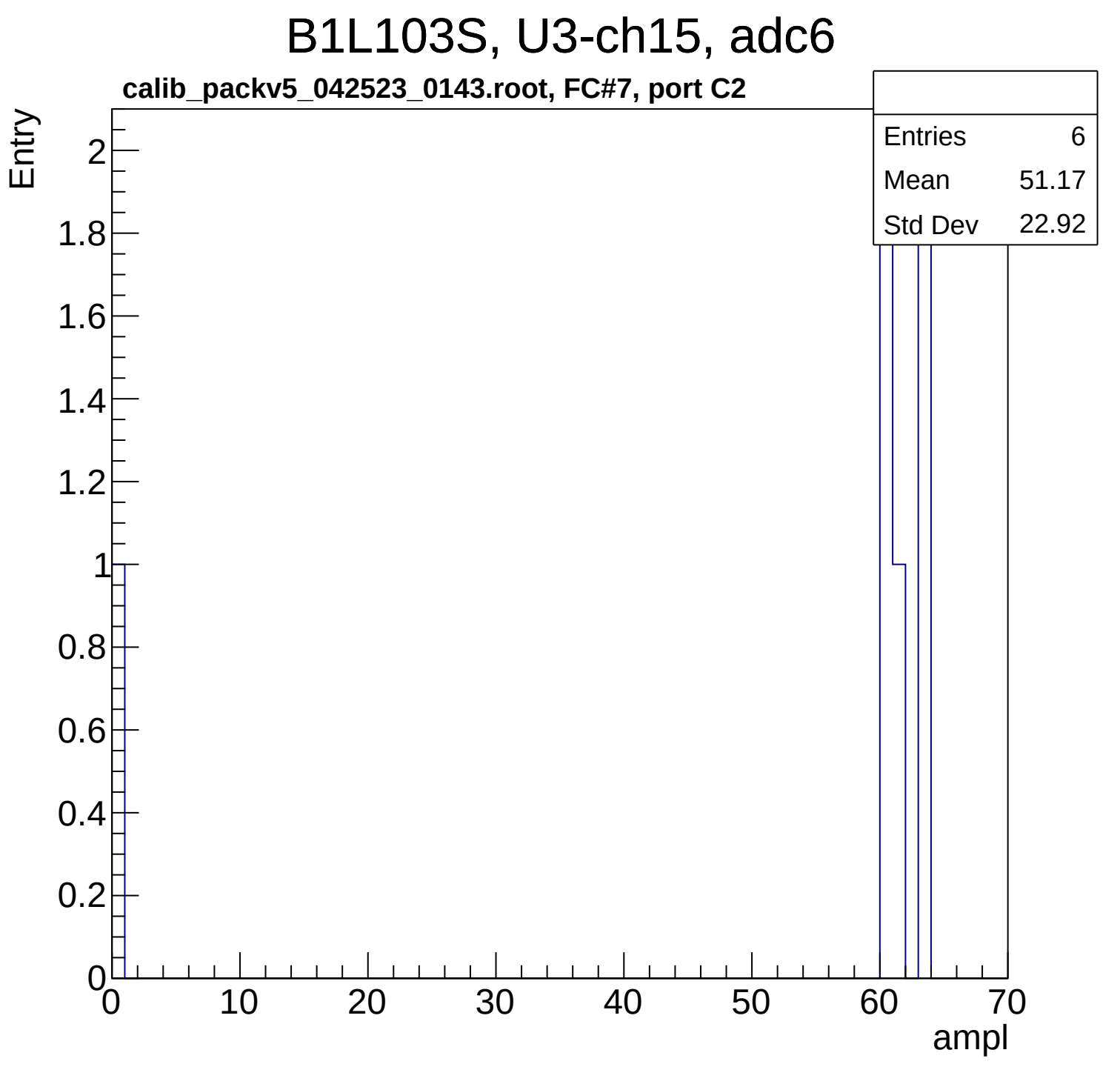
50
60
70
ampl


B1L103S, U3-ch15, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 51.17
Std Dev 22.92
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
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40
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60
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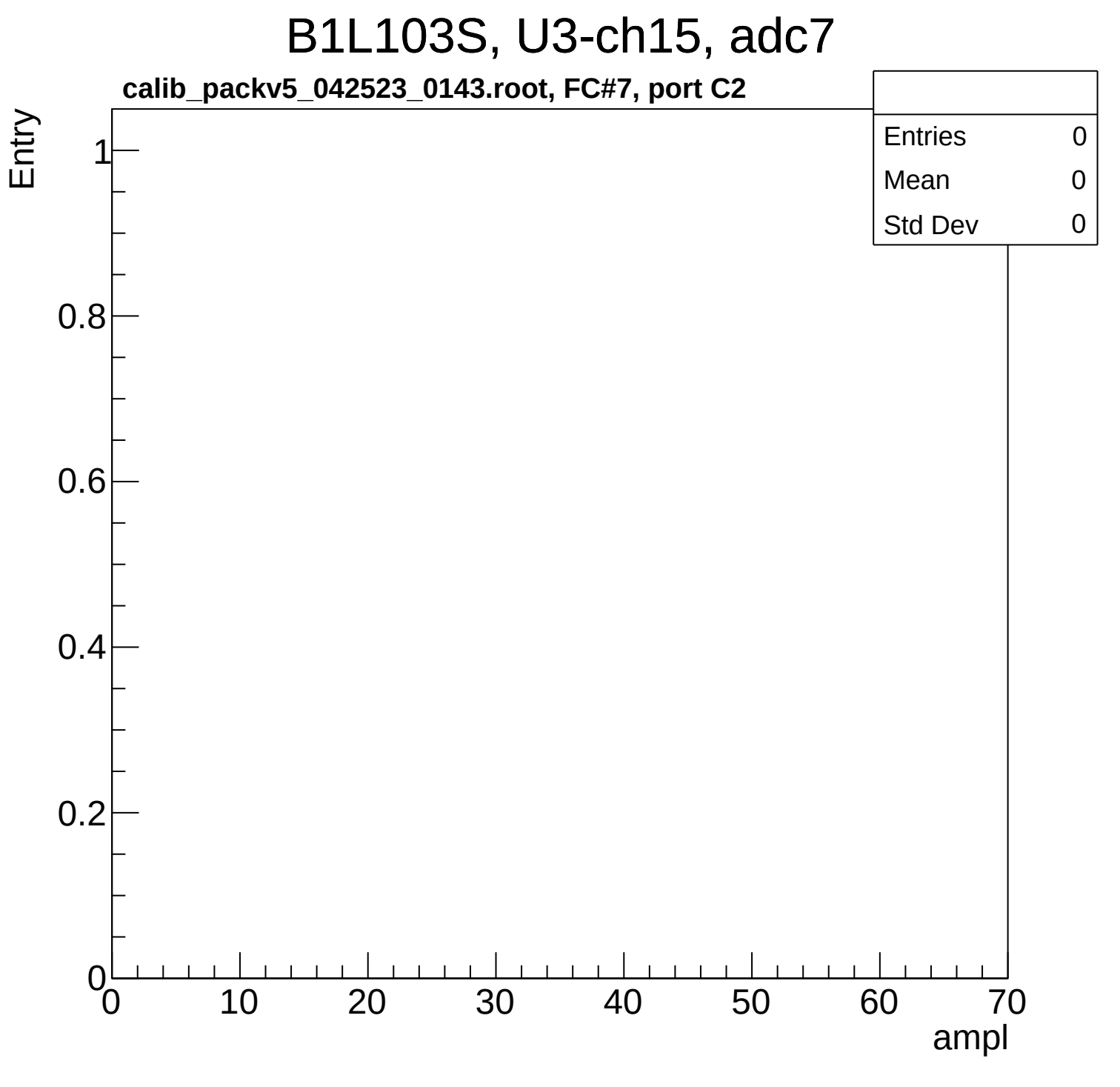
B1L103S, U3-ch15, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
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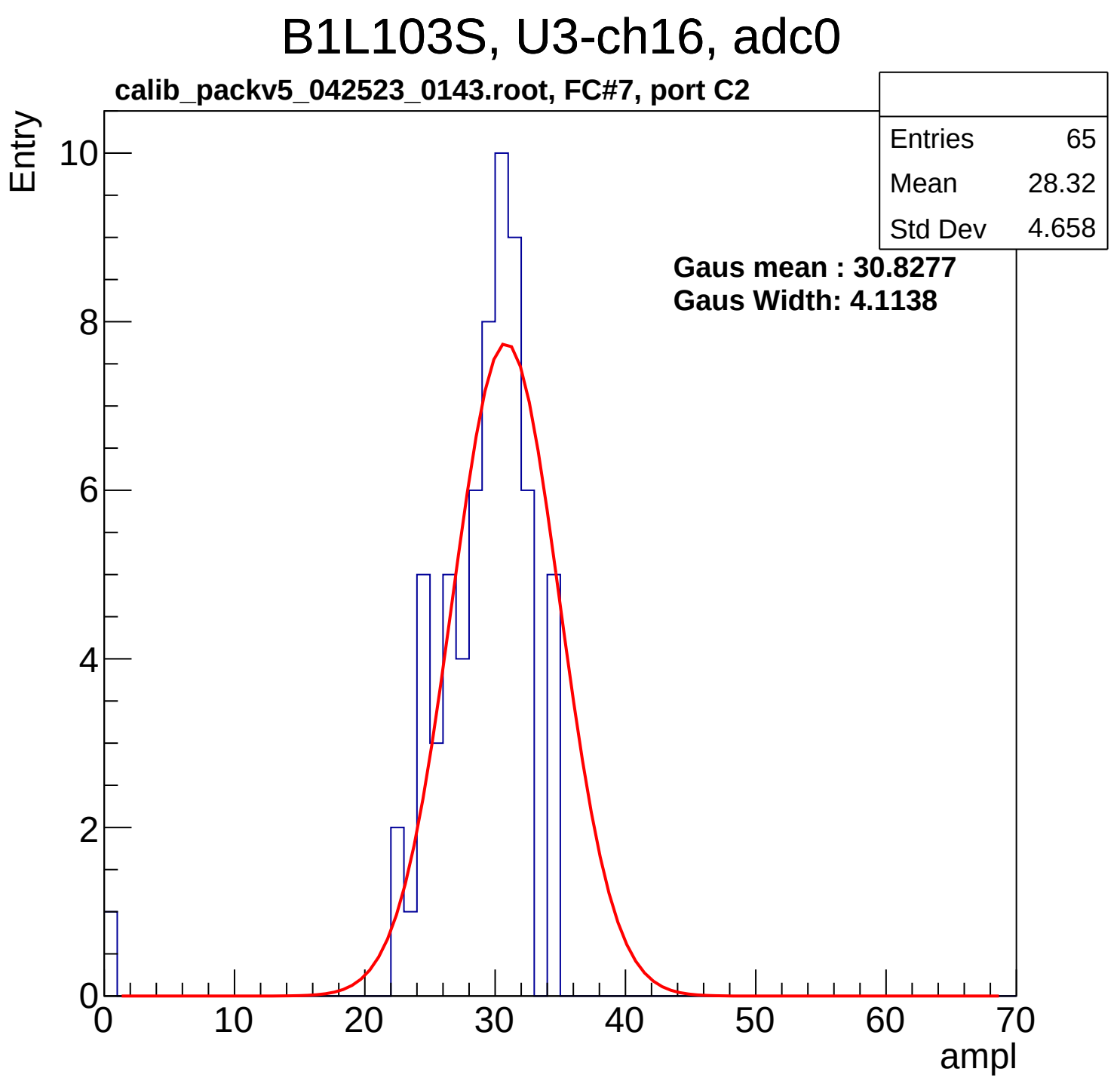
40
50
60
70
ampl


B1L103S, U3-ch16, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 28.32
Std Dev 4.658
Gaus mean : 30.8277
Gaus Width: 4.1138
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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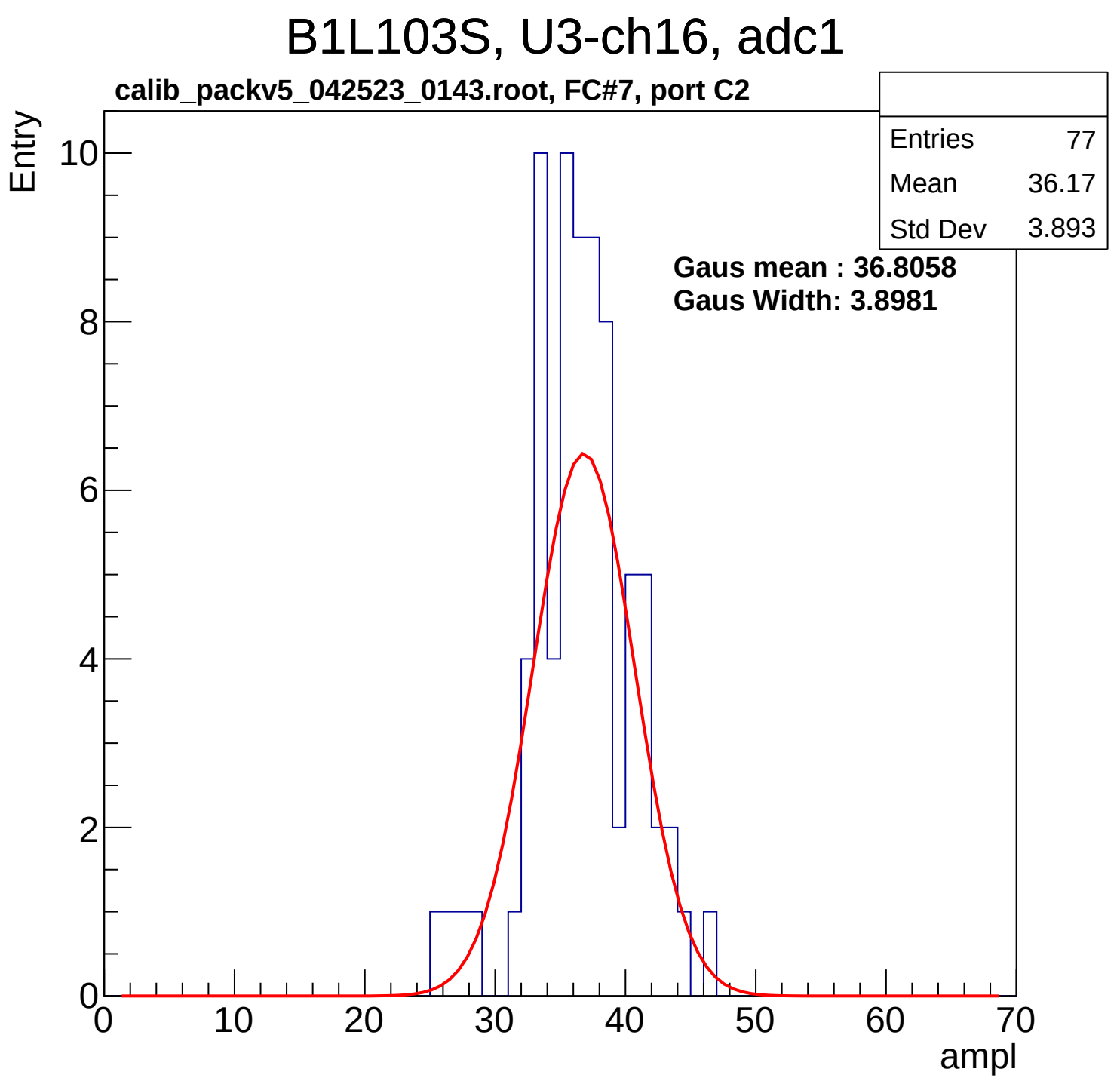
B1L103S, U3-ch16, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 36.17
Std Dev 3.893
Gaus mean : 36.8058
Gaus Width: 3.8981
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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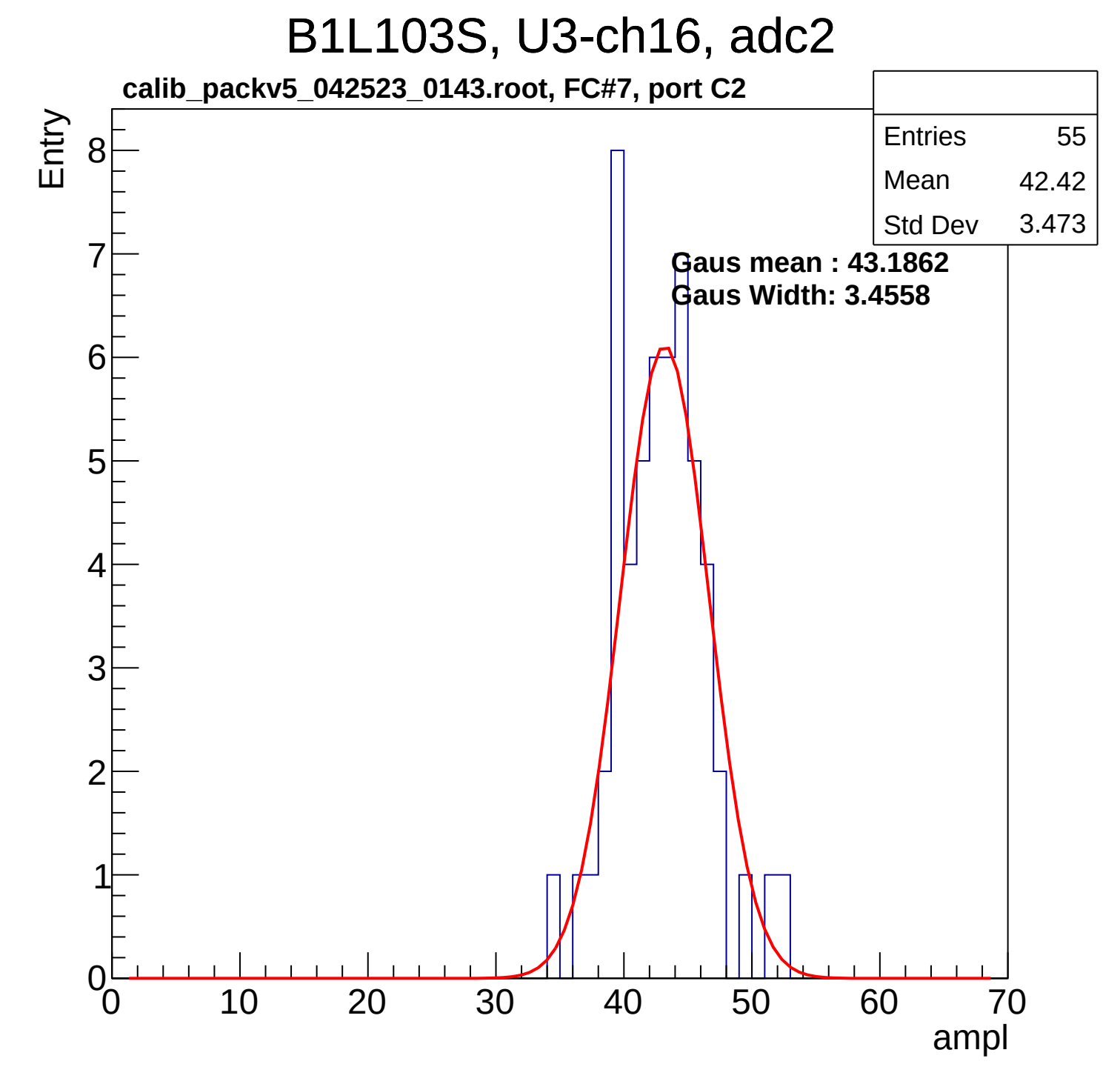
B1L103S, U3-ch16, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 42.42
Std Dev 3.473
Gaus mean : 43.1862
Gaus Width: 3.4558
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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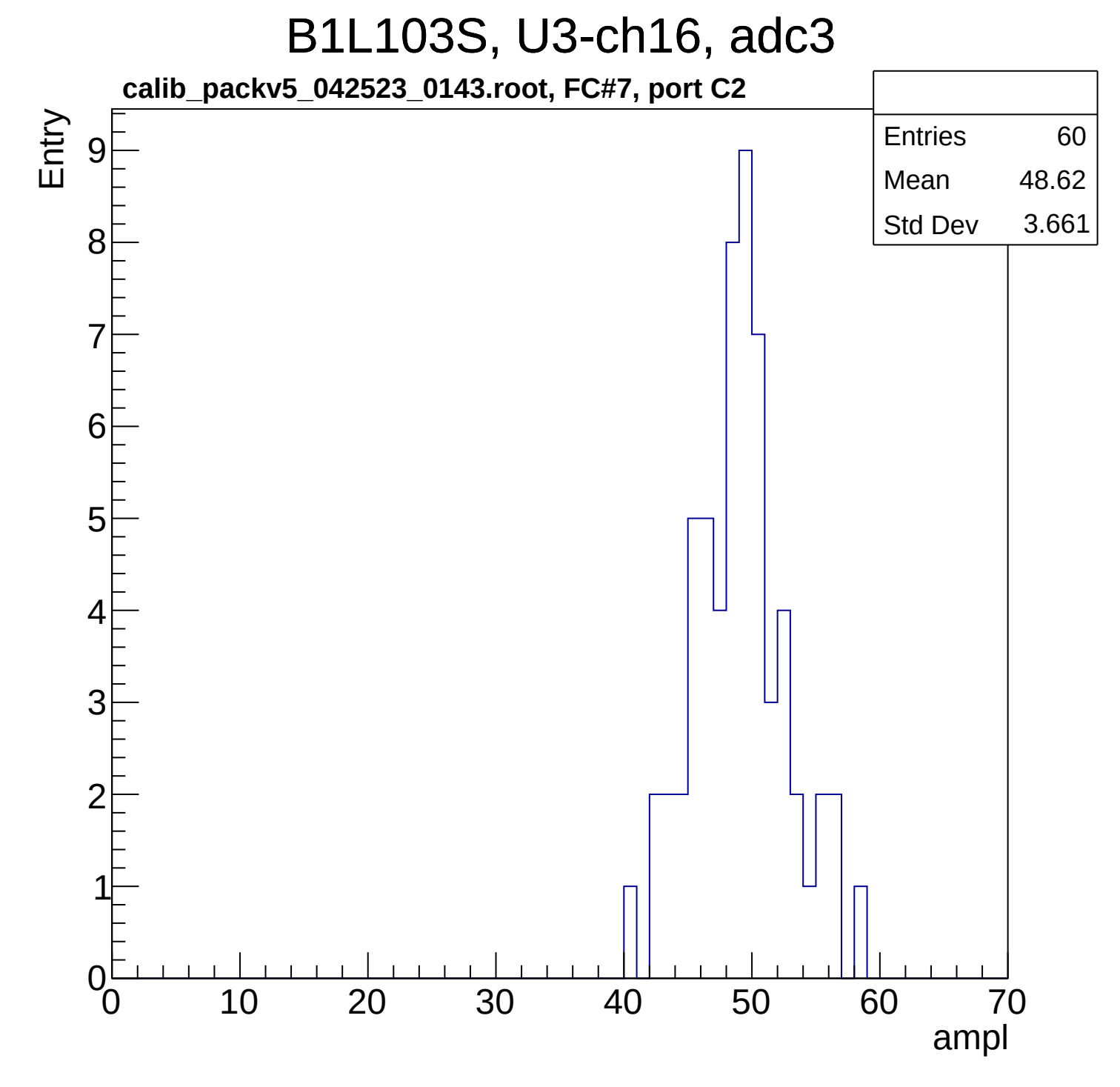
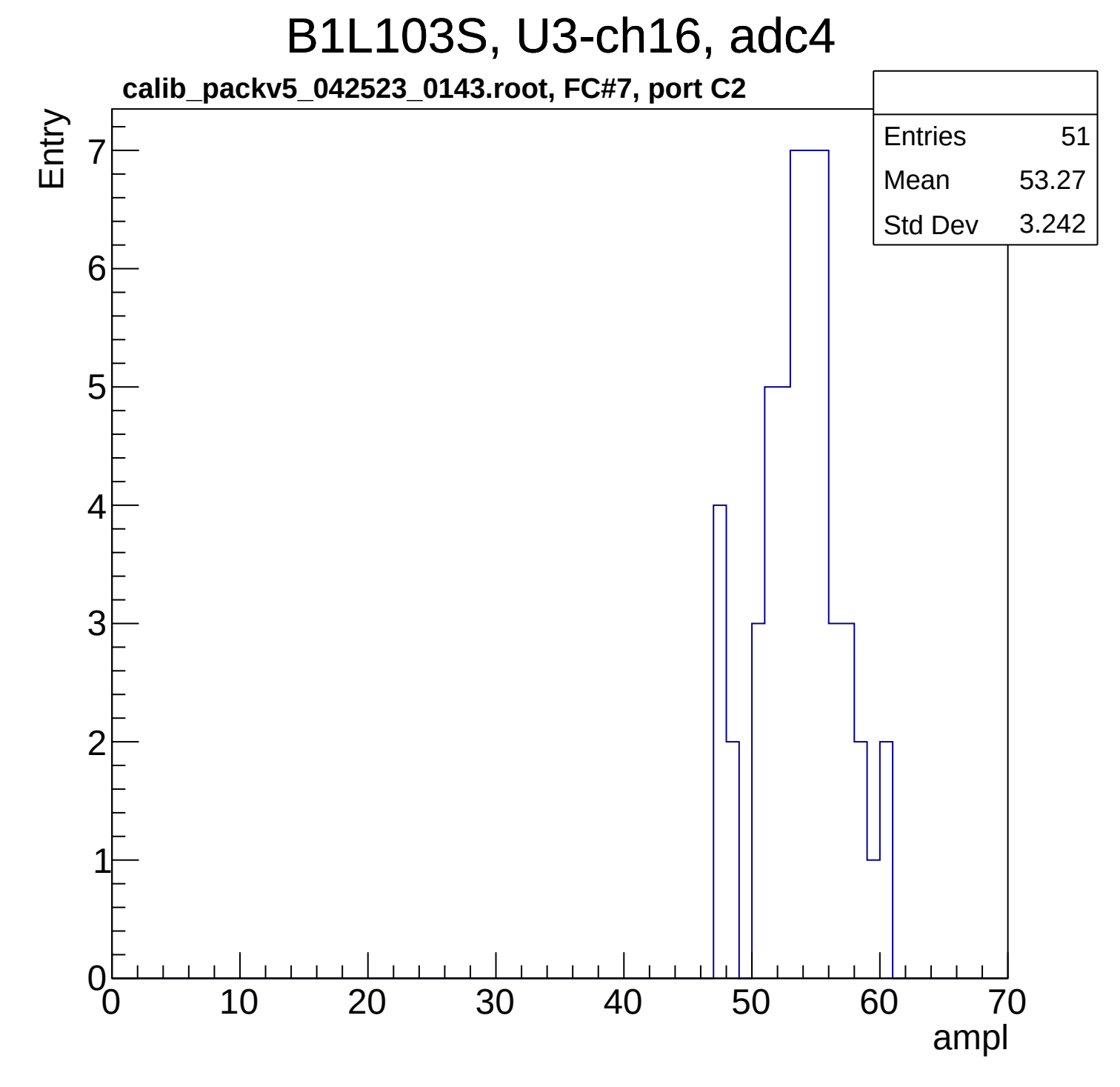
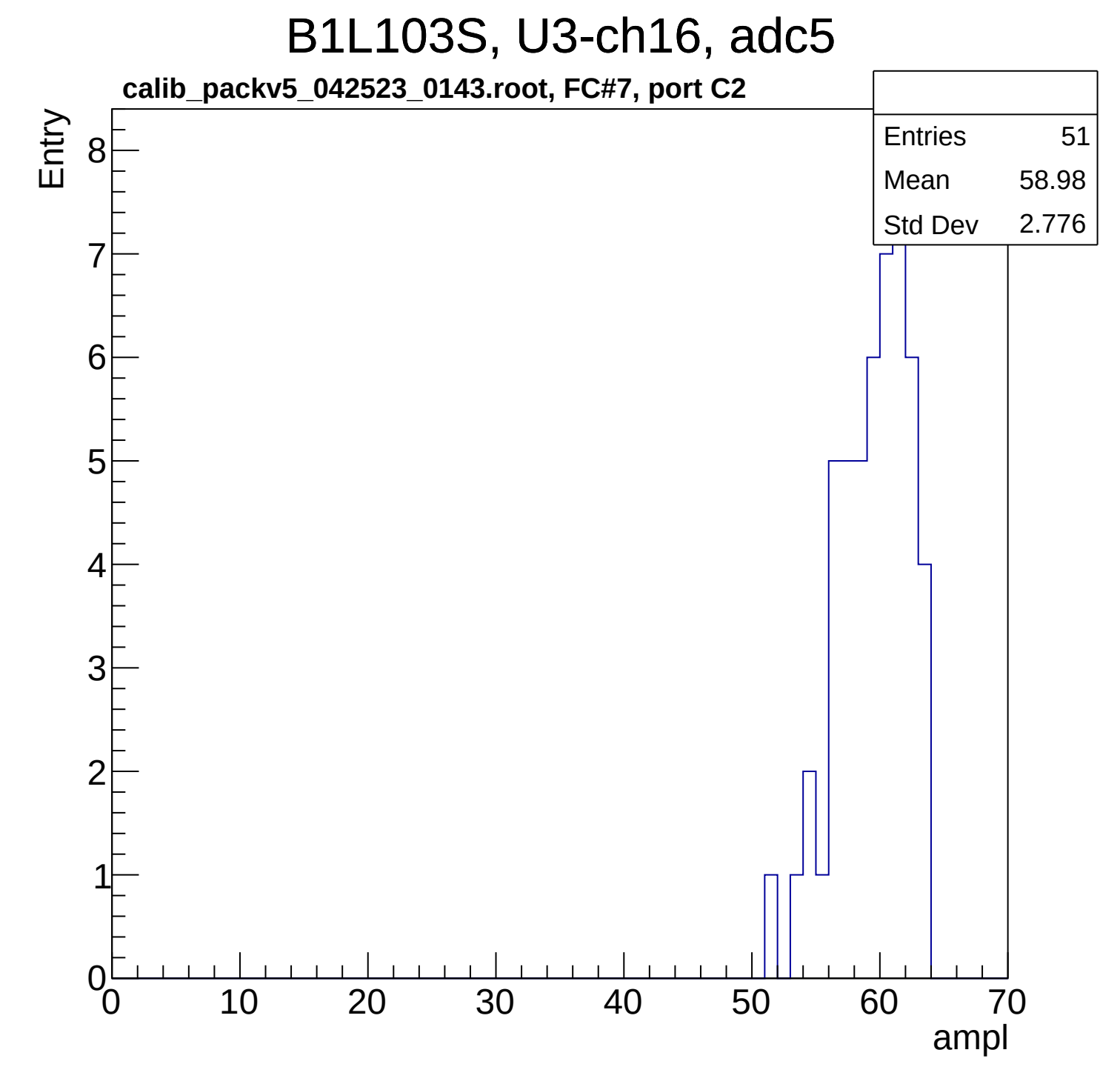

B1L103S, U3-ch16, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 48.62
Std Dev 3.661
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch16, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 53.27
Std Dev 3.242
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch16, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 58.98
Std Dev 2.776
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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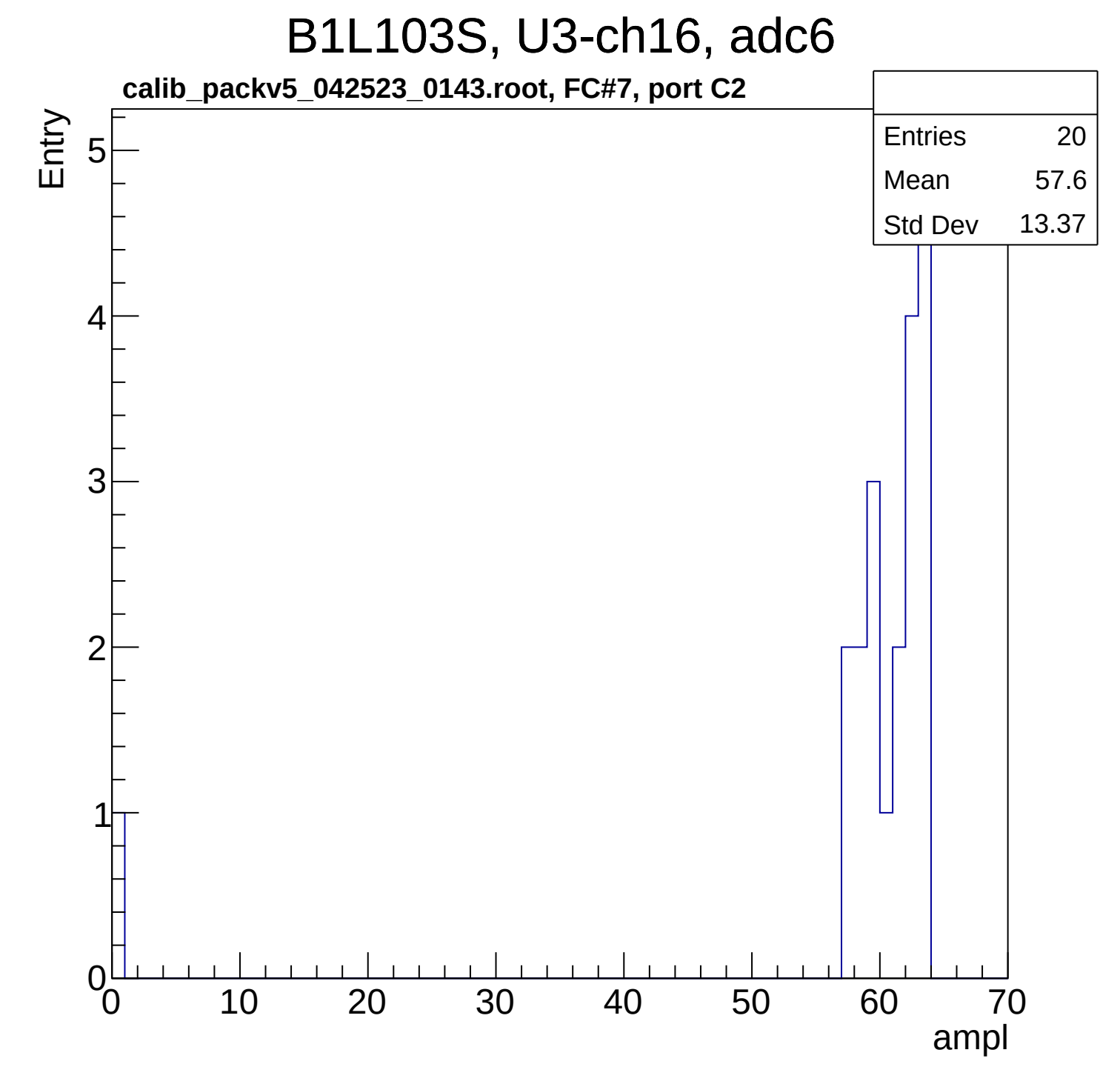
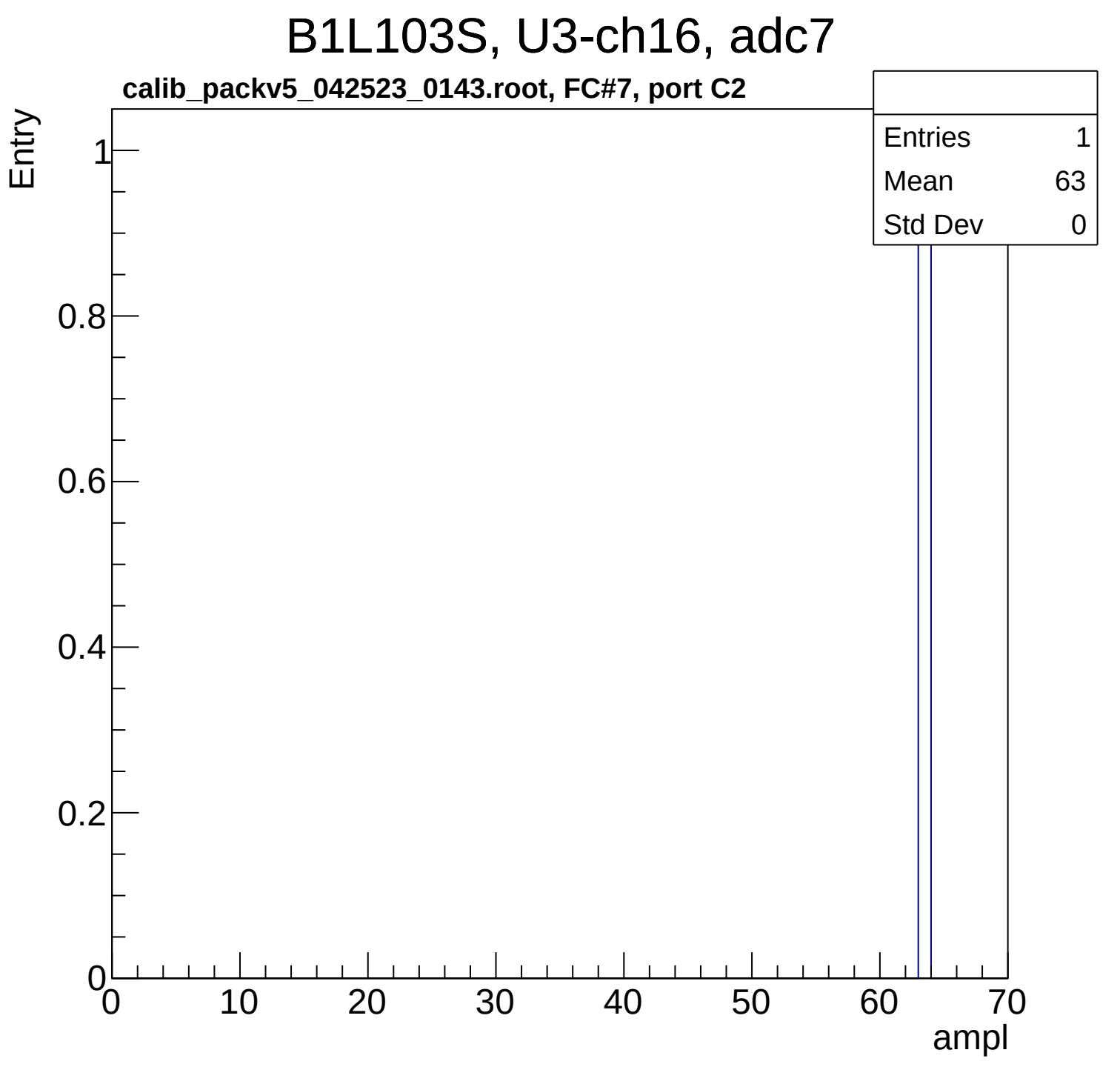
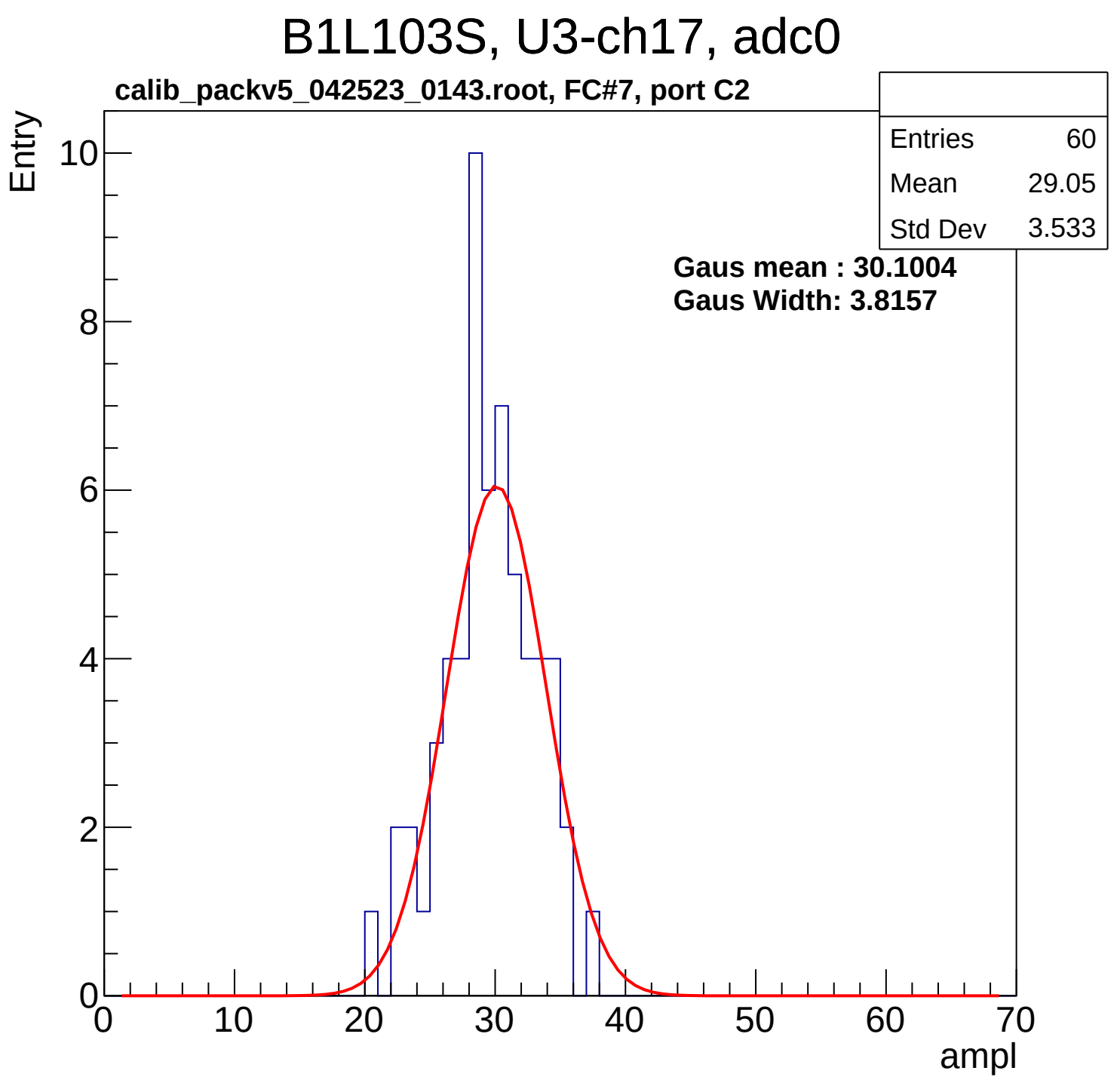
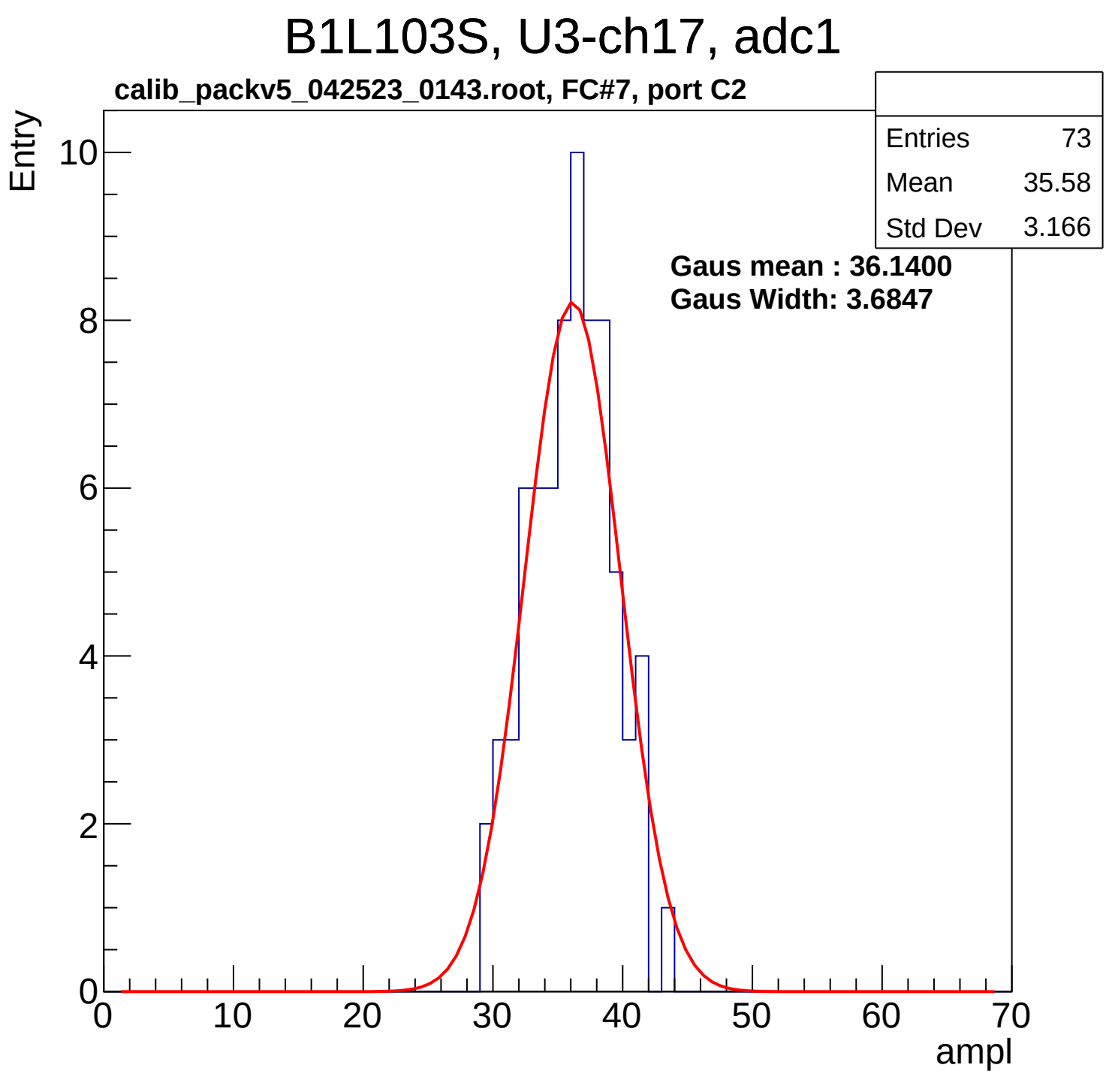
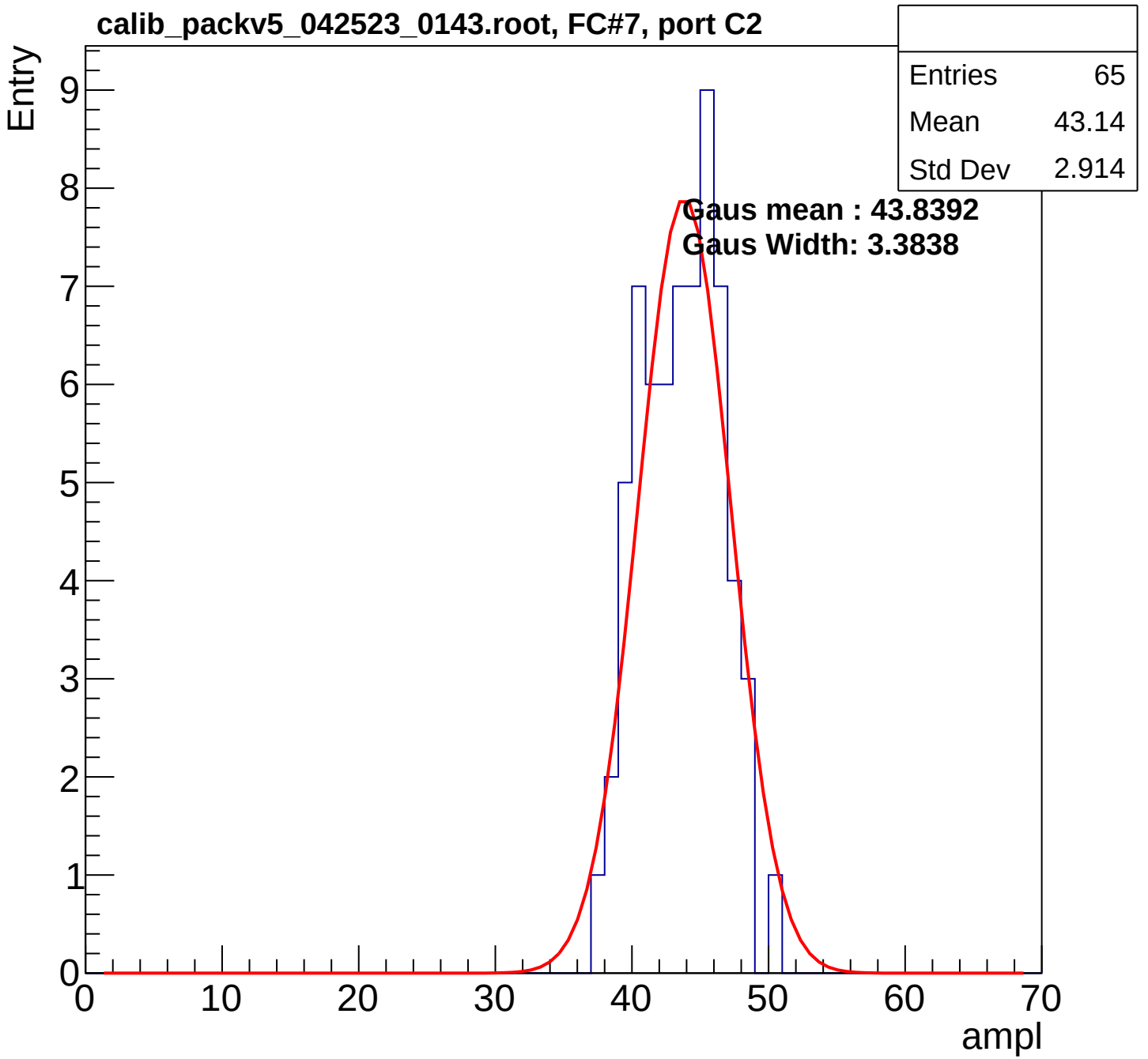

B1L103S, U3-ch16, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 20
Mean 57.6
Std Dev 13.37
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch16, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch17, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 29.05
Std Dev 3.533
Gaus mean : 30.1004
Gaus Width: 3.8157
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch17, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 35.58
Std Dev 3.166
Gaus mean : 36.1400
Gaus Width: 3.6847
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch17, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 43.14
Std Dev 2.914
Gaus mean : 43.8392
Gaus Width: 3.3838
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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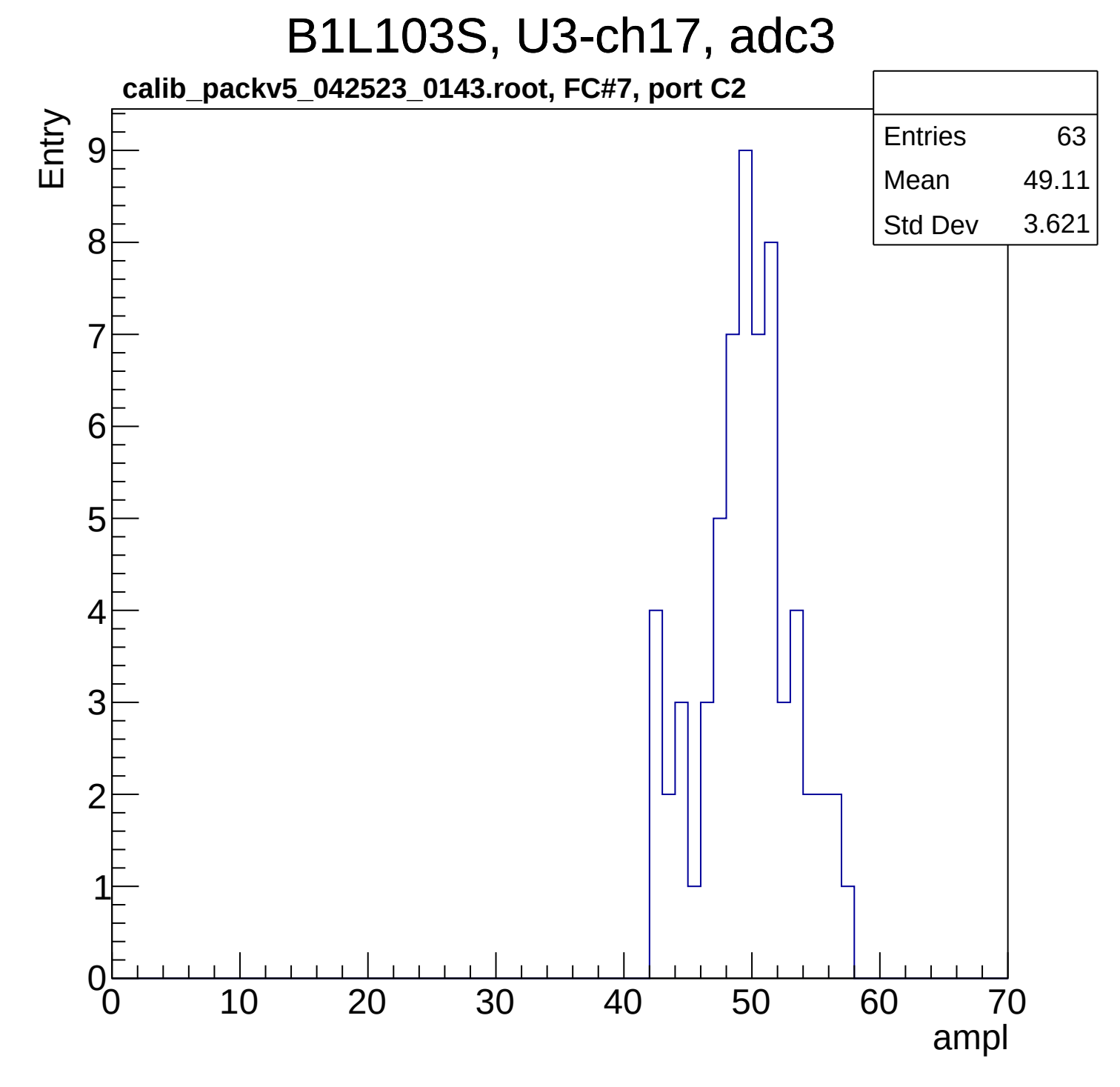
B1L103S, U3-ch17, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 49.11
Std Dev 3.621
Entry
ampl
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2
3
4
5
6
7
8
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0
10
20
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40
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60
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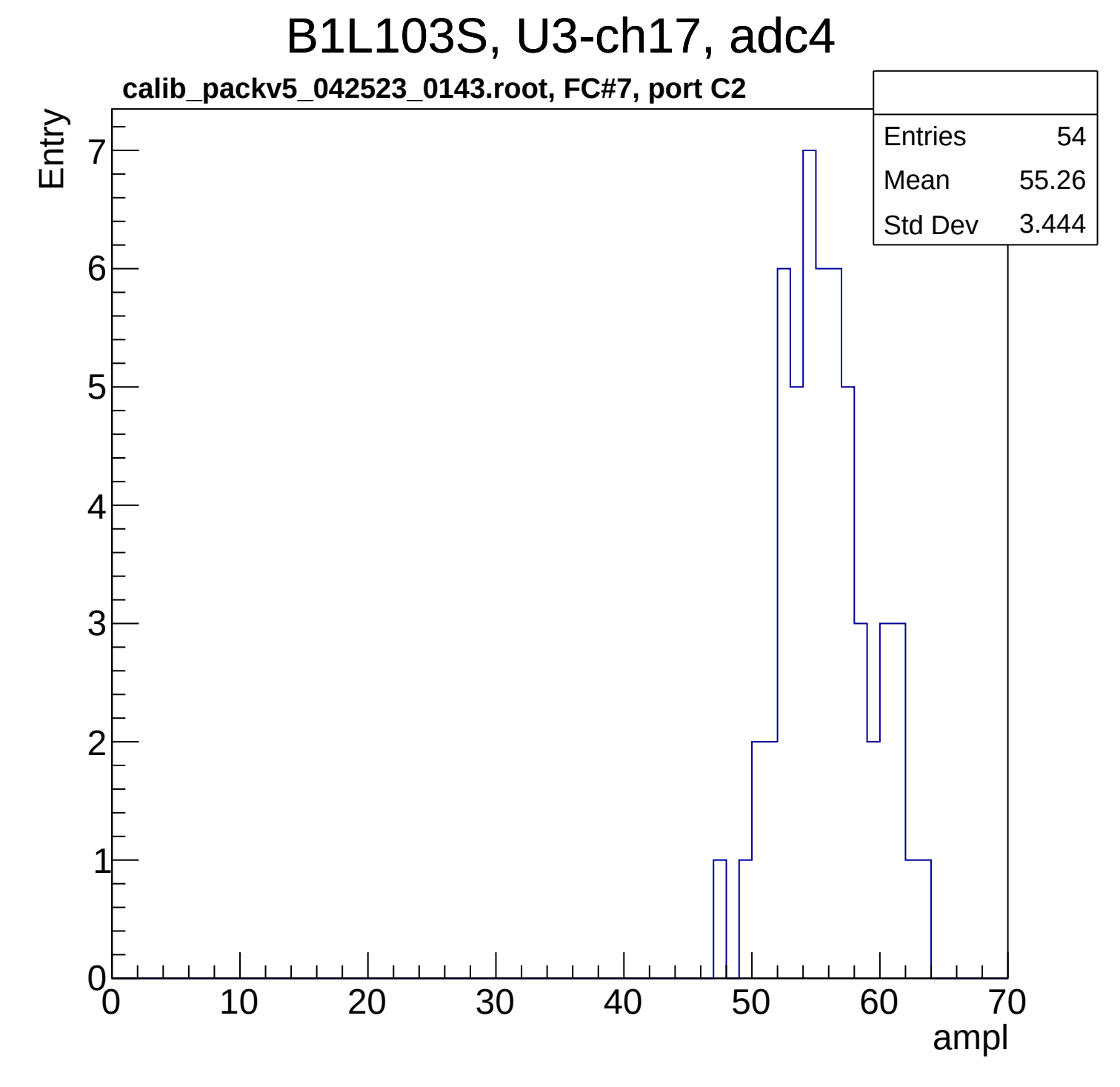
B1L103S, U3-ch17, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 55.26
Std Dev 3.444
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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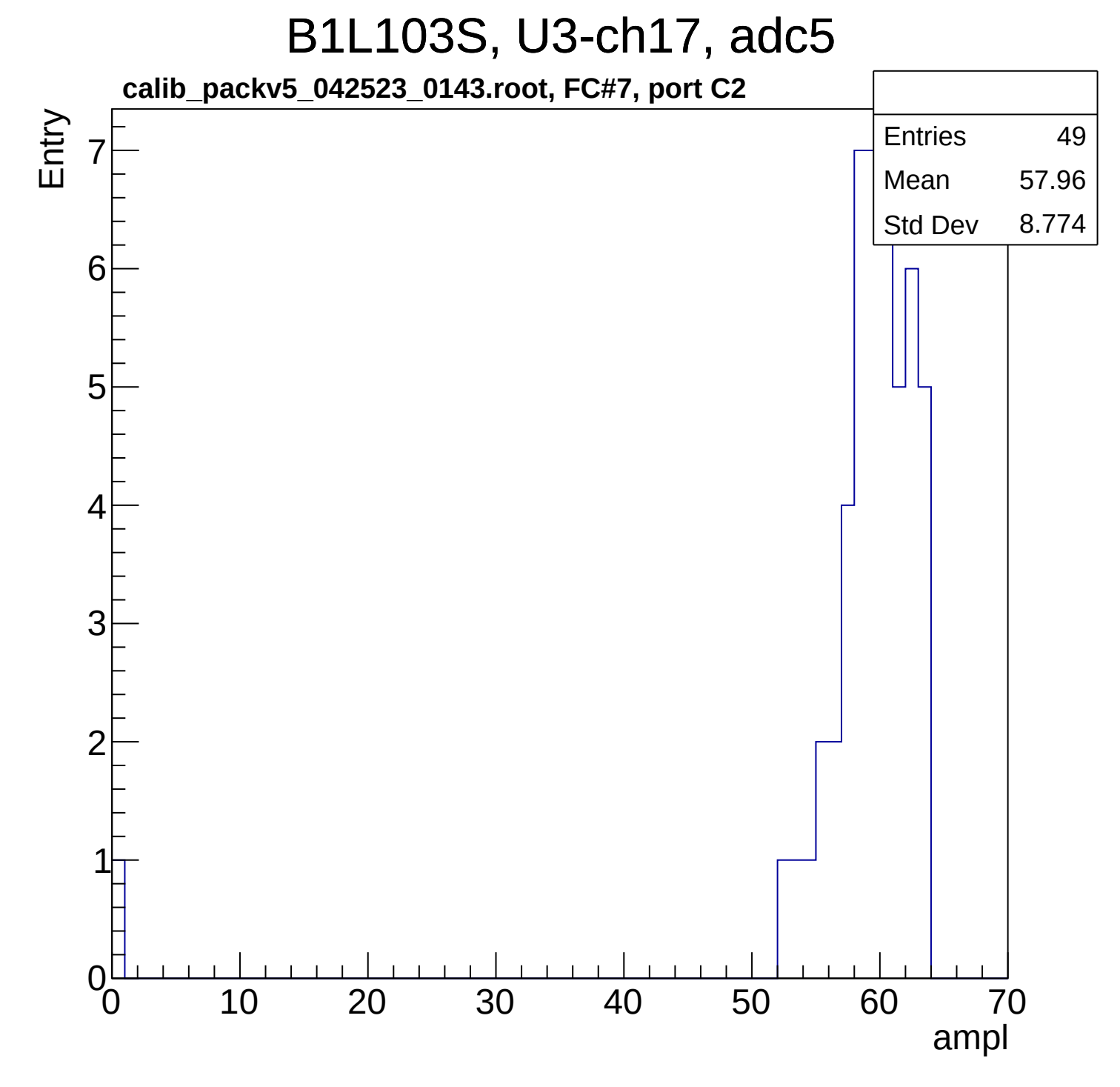
B1L103S, U3-ch17, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 57.96
Std Dev 8.774
Entry
ampl
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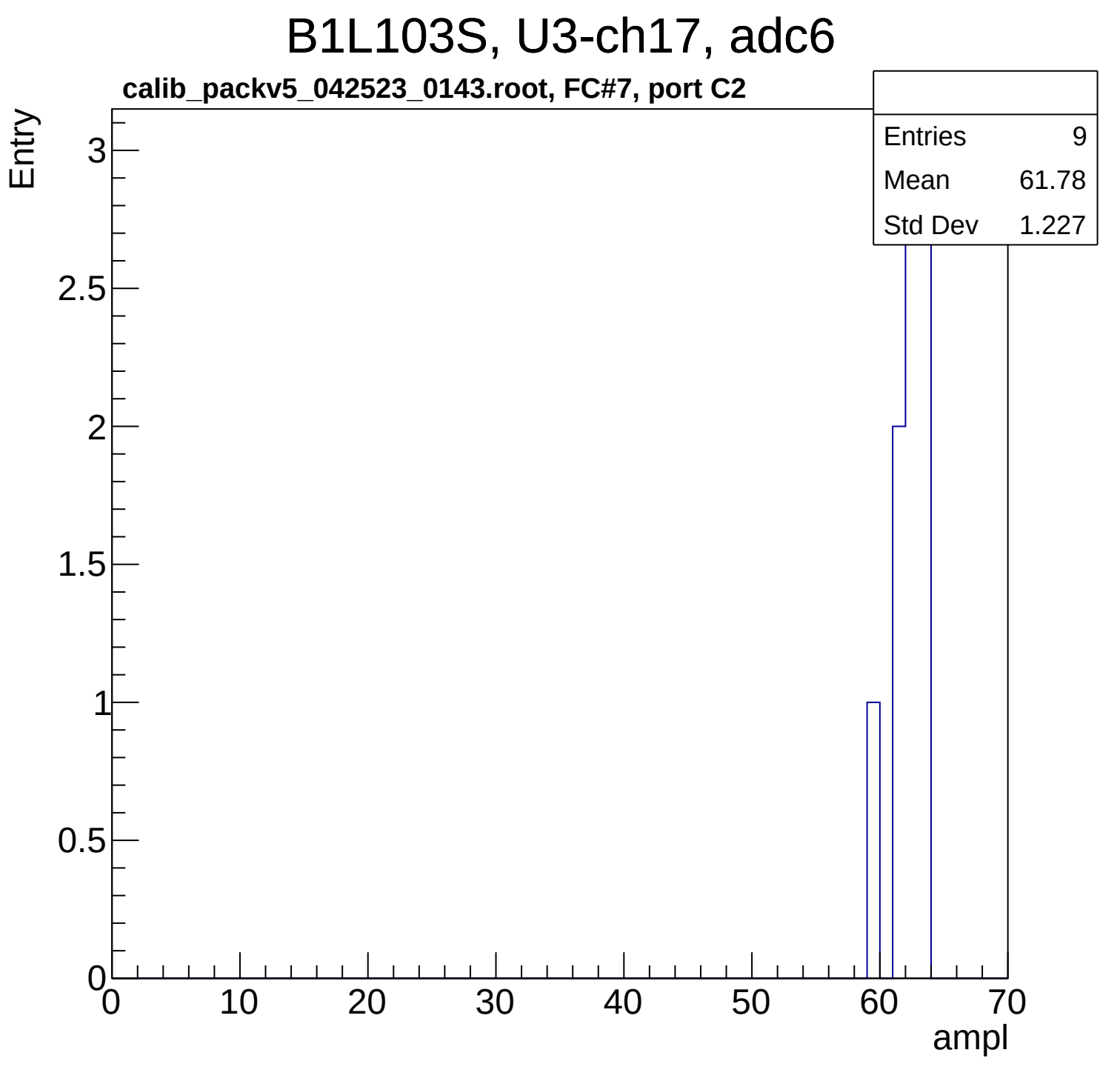
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch17, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 61.78
Std Dev 1.227
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
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40
50
60
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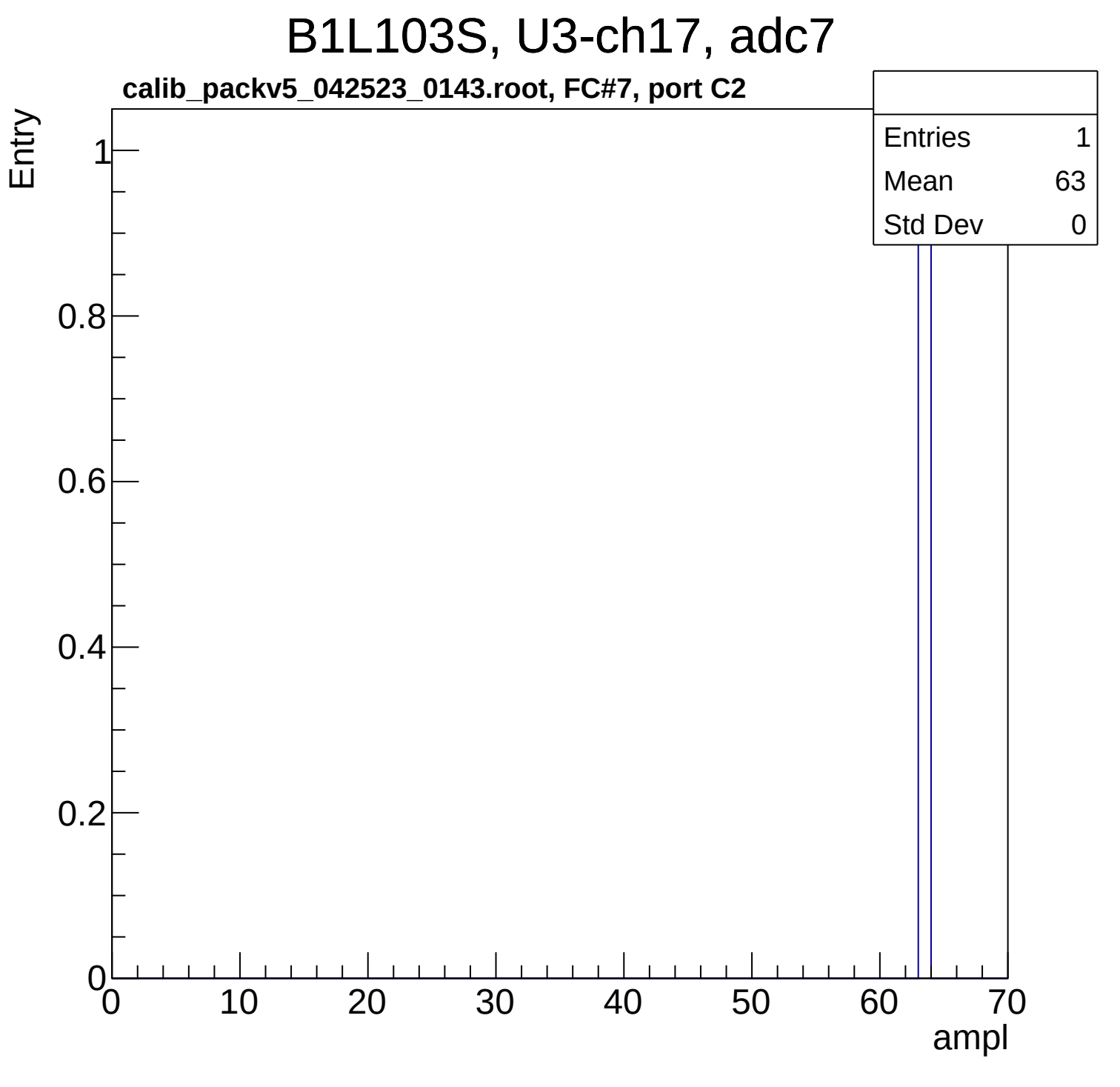
B1L103S, U3-ch17, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 63
Std Dev 0
Entry
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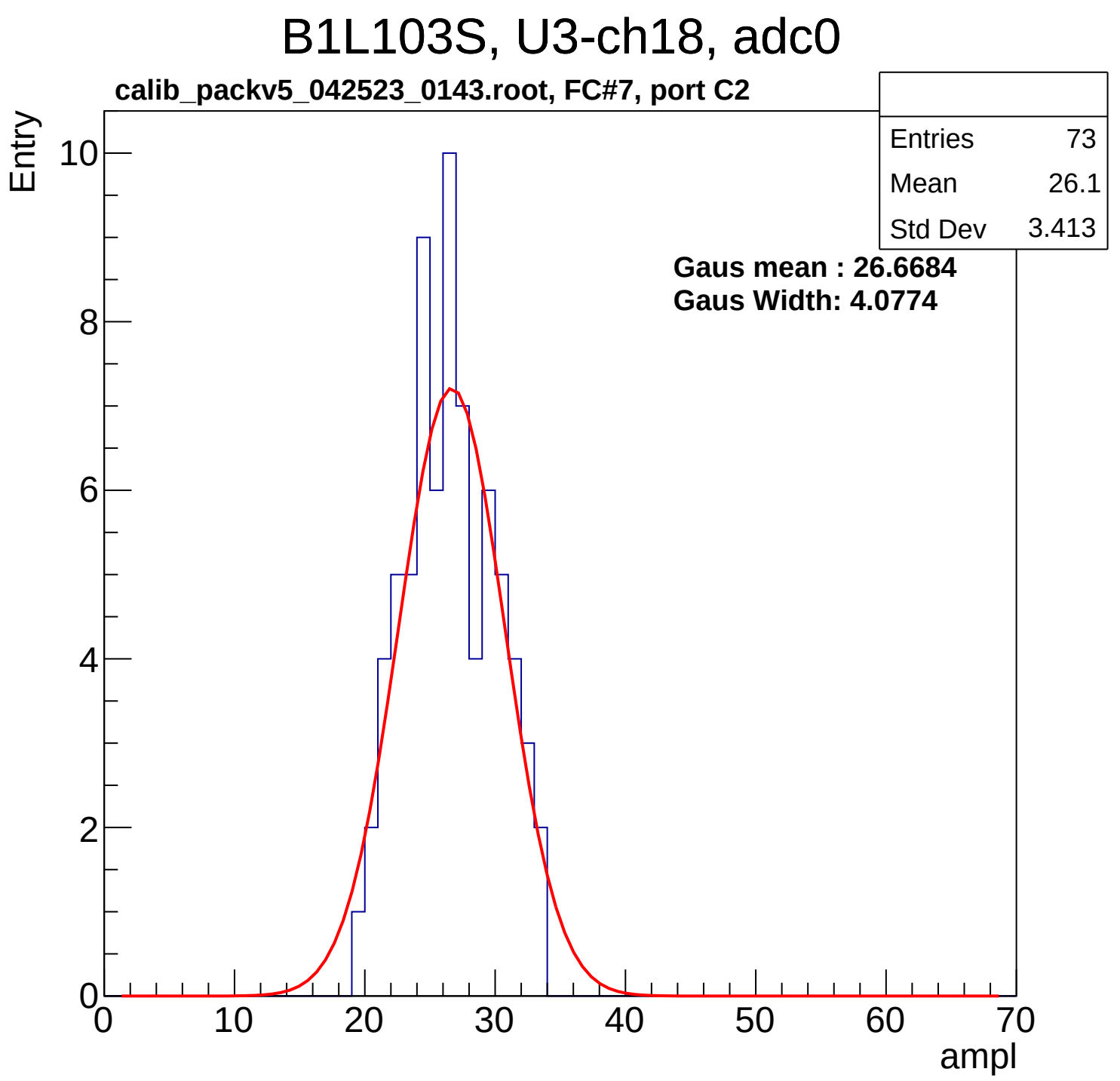
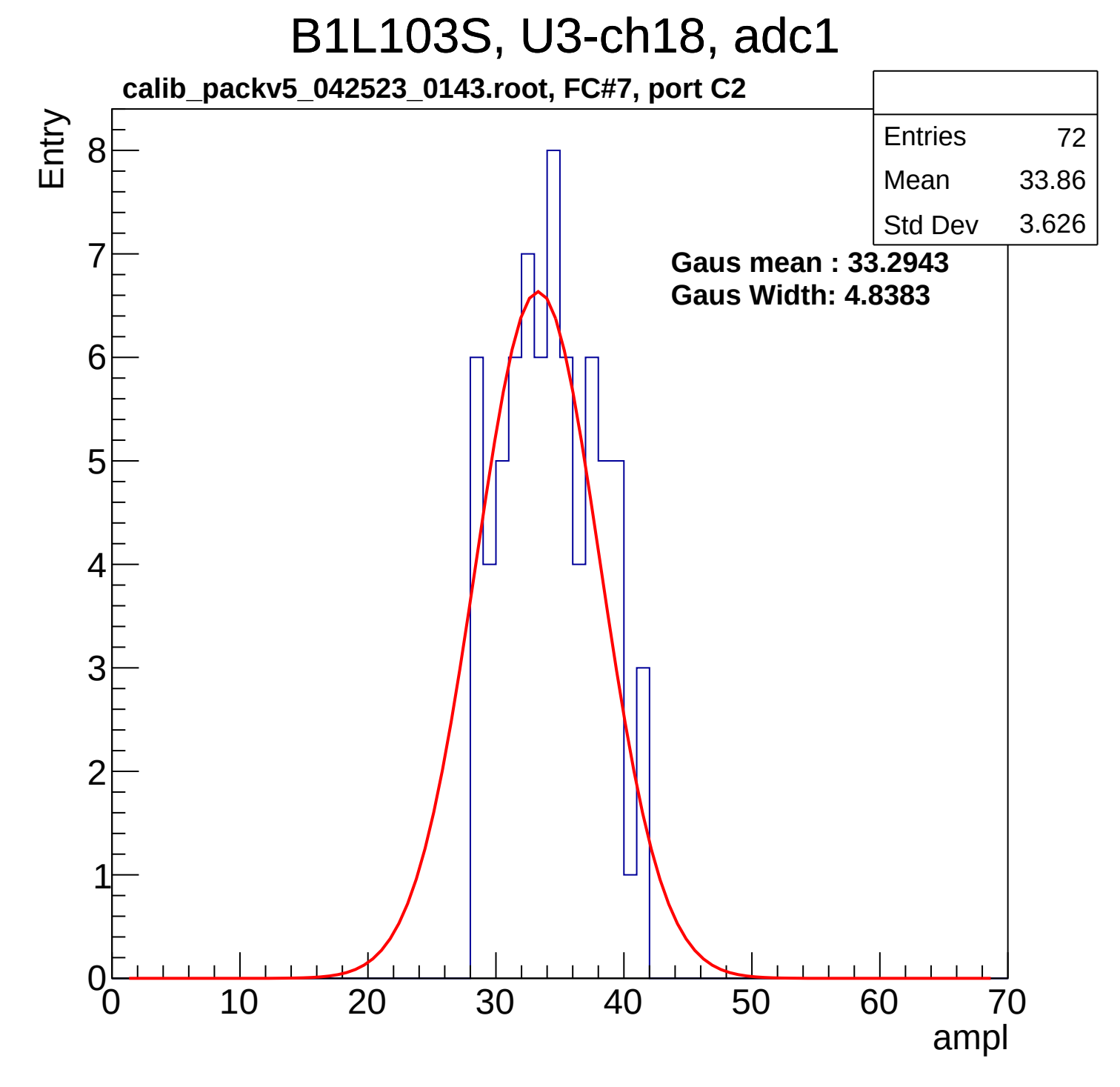
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch18, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 26.1
Std Dev 3.413
Gaus mean : 26.6684
Gaus Width: 4.0774
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 33.86
Std Dev 3.626
Gaus mean : 33.2943
Gaus Width: 4.8383
Entry
ampl
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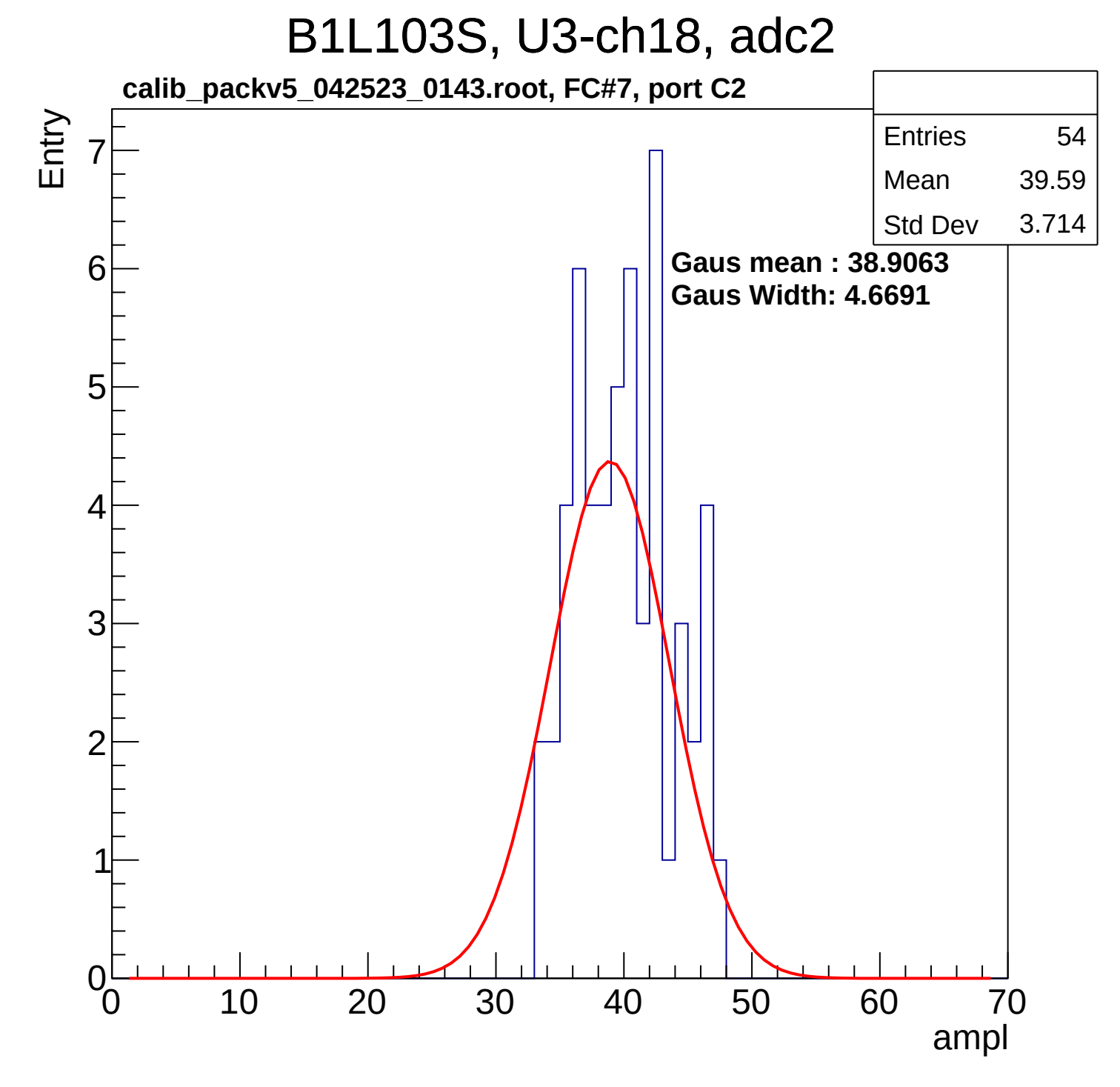
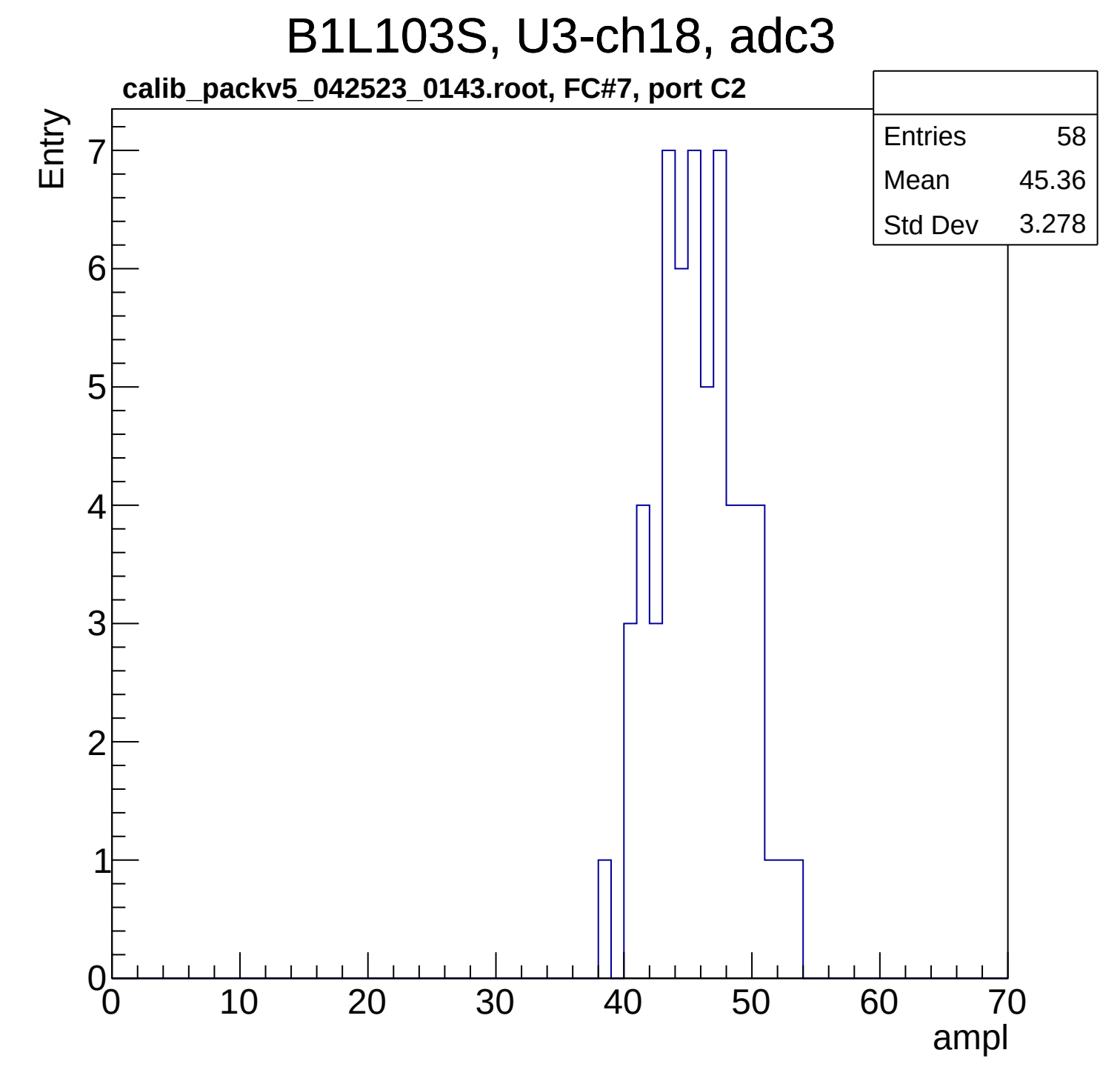
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 39.59
Std Dev 3.714
Gaus mean : 38.9063
Gaus Width: 4.6691
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 45.36
Std Dev 3.278
Entry
ampl
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3
4
5
6
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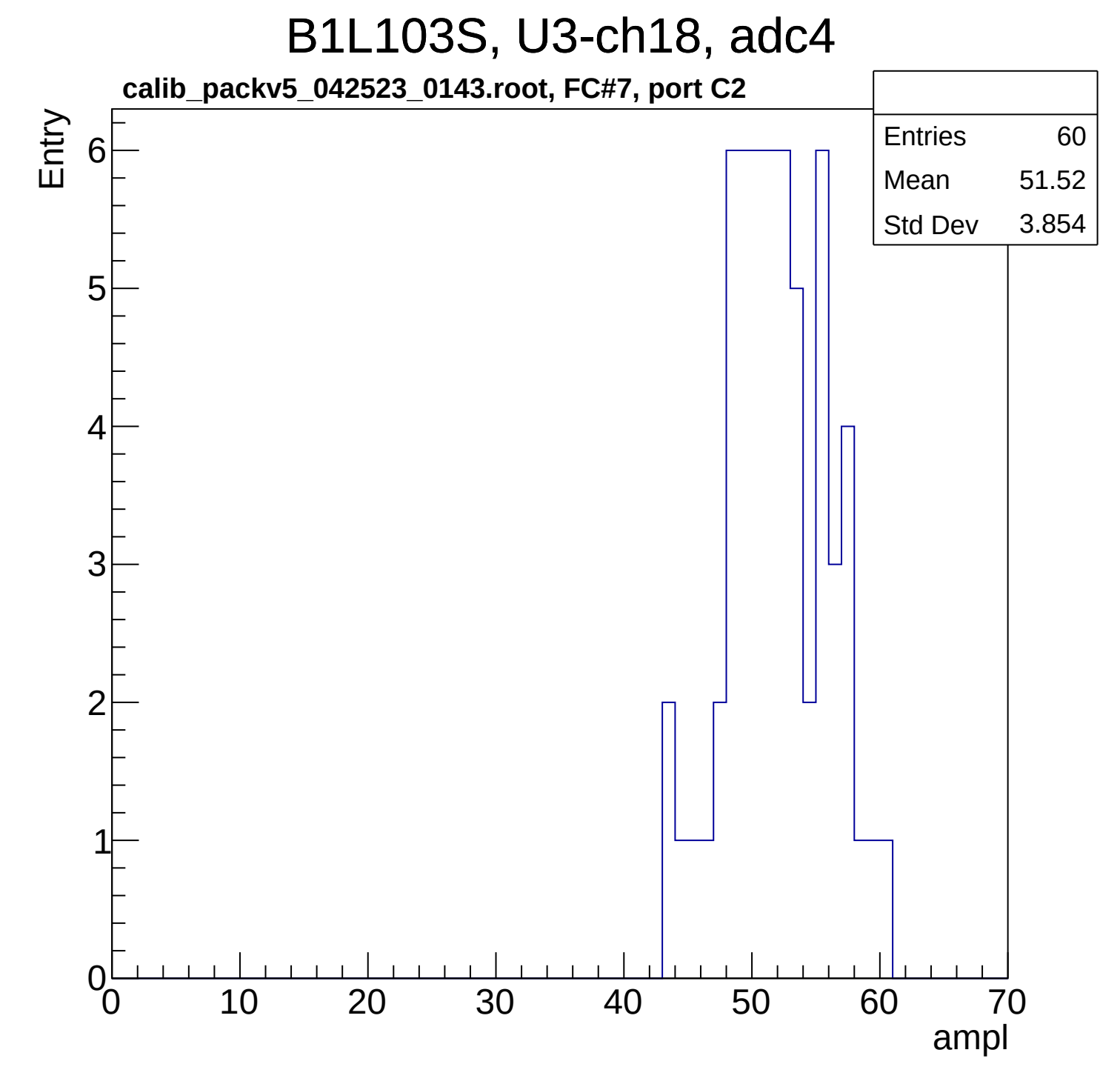
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 51.52
Std Dev 3.854
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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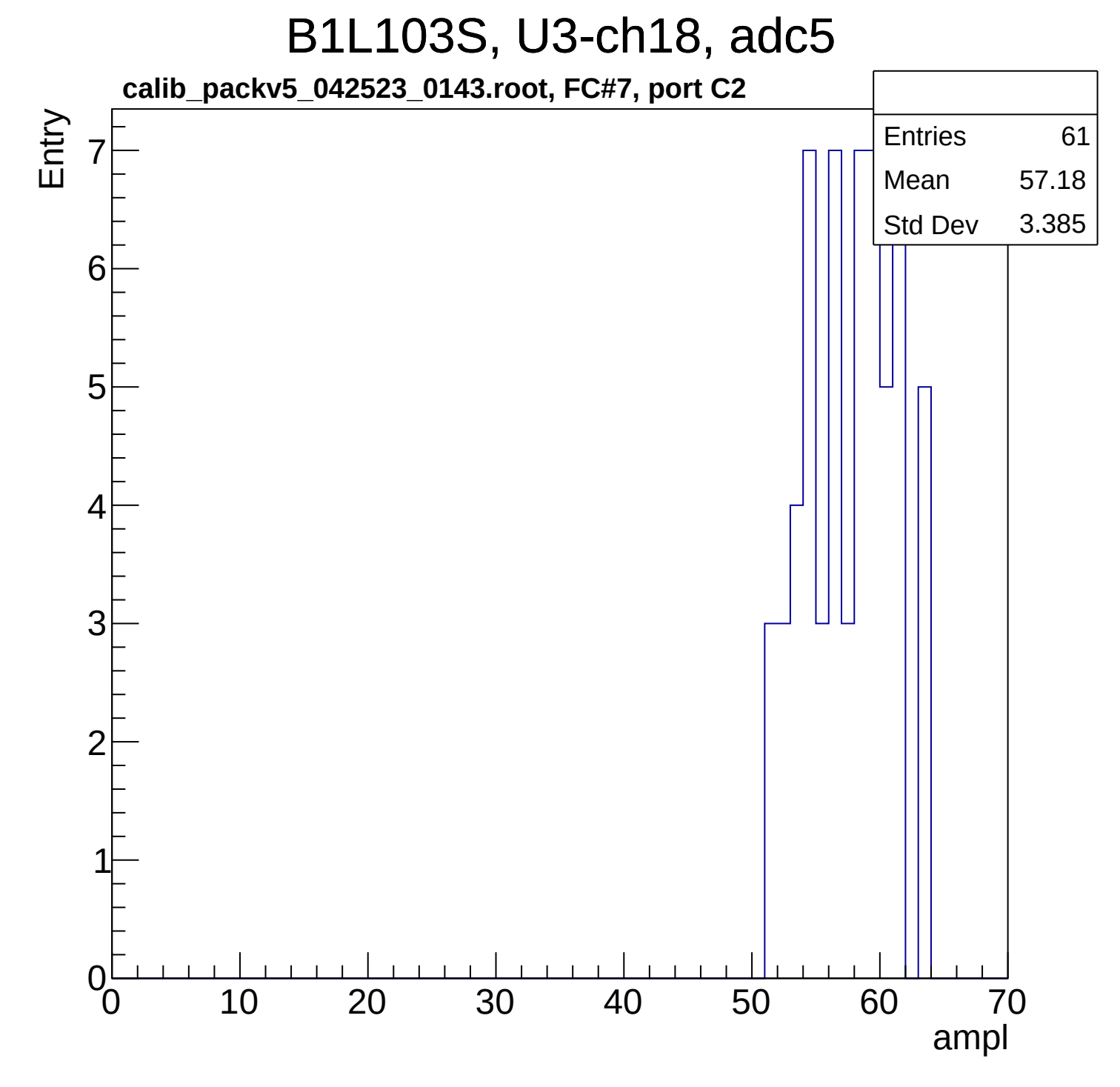
B1L103S, U3-ch18, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 57.18
Std Dev 3.385
Entry
ampl
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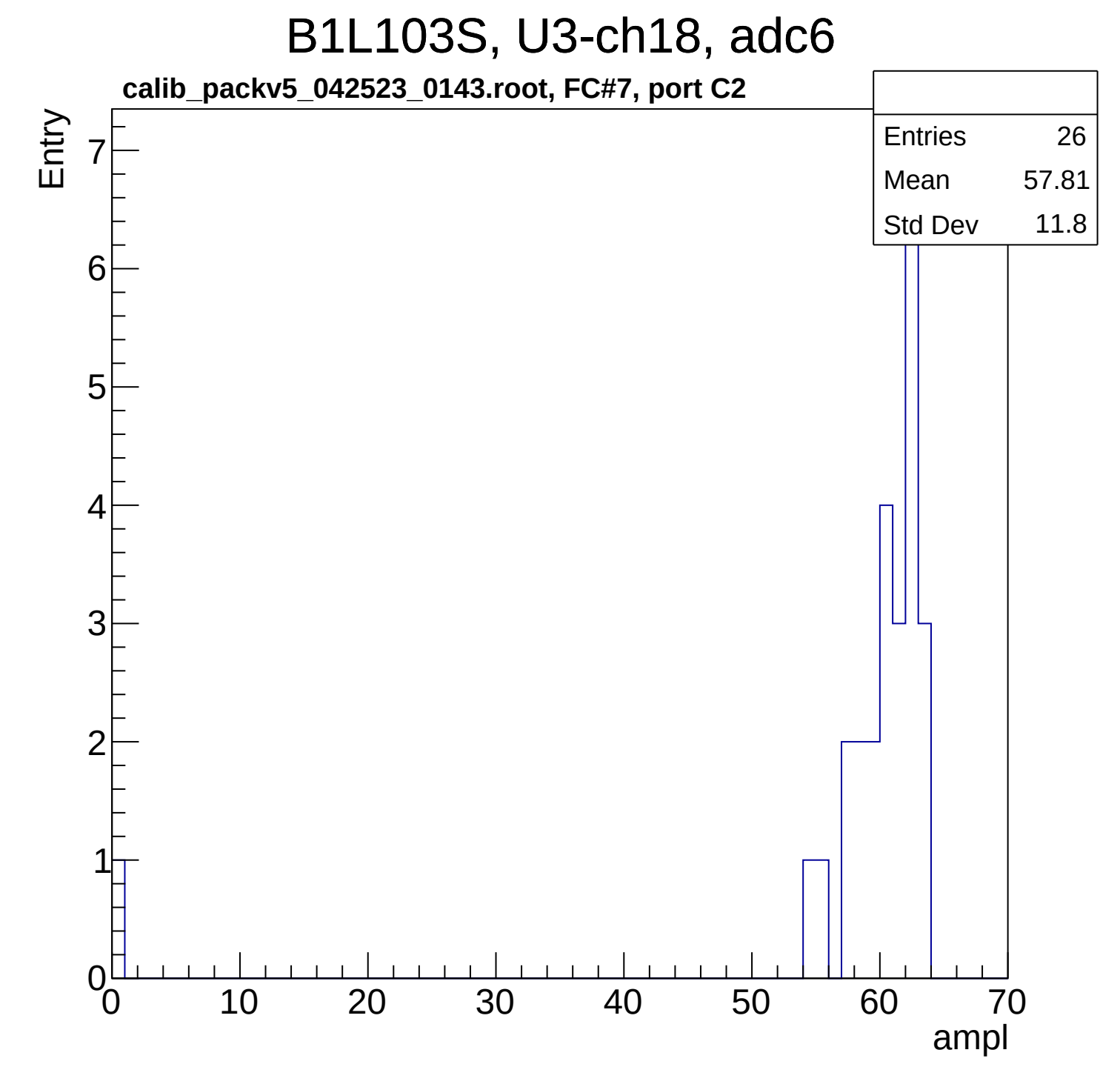
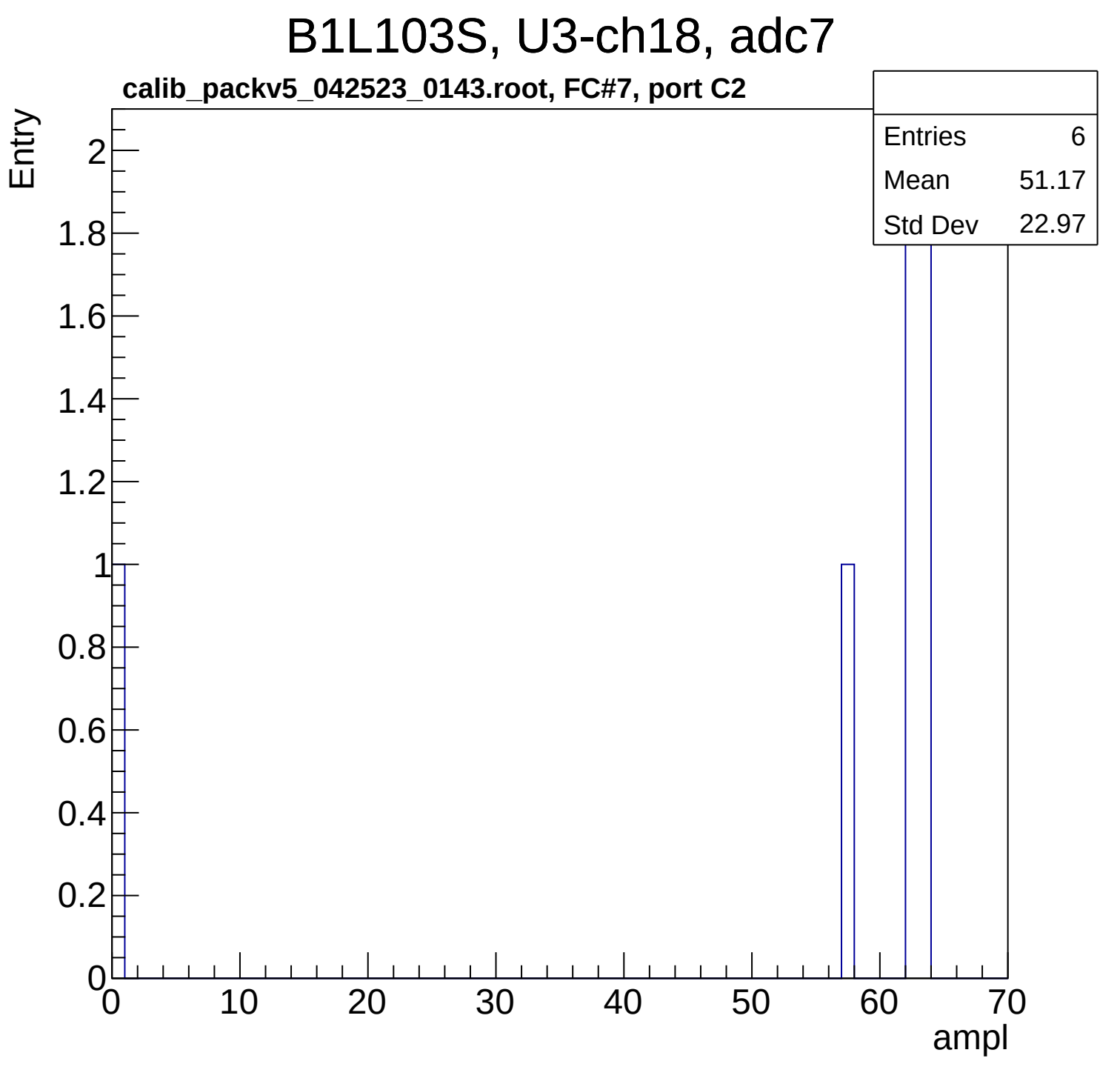
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 26
Mean 57.81
Std Dev 11.8
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch18, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 51.17
Std Dev 22.97
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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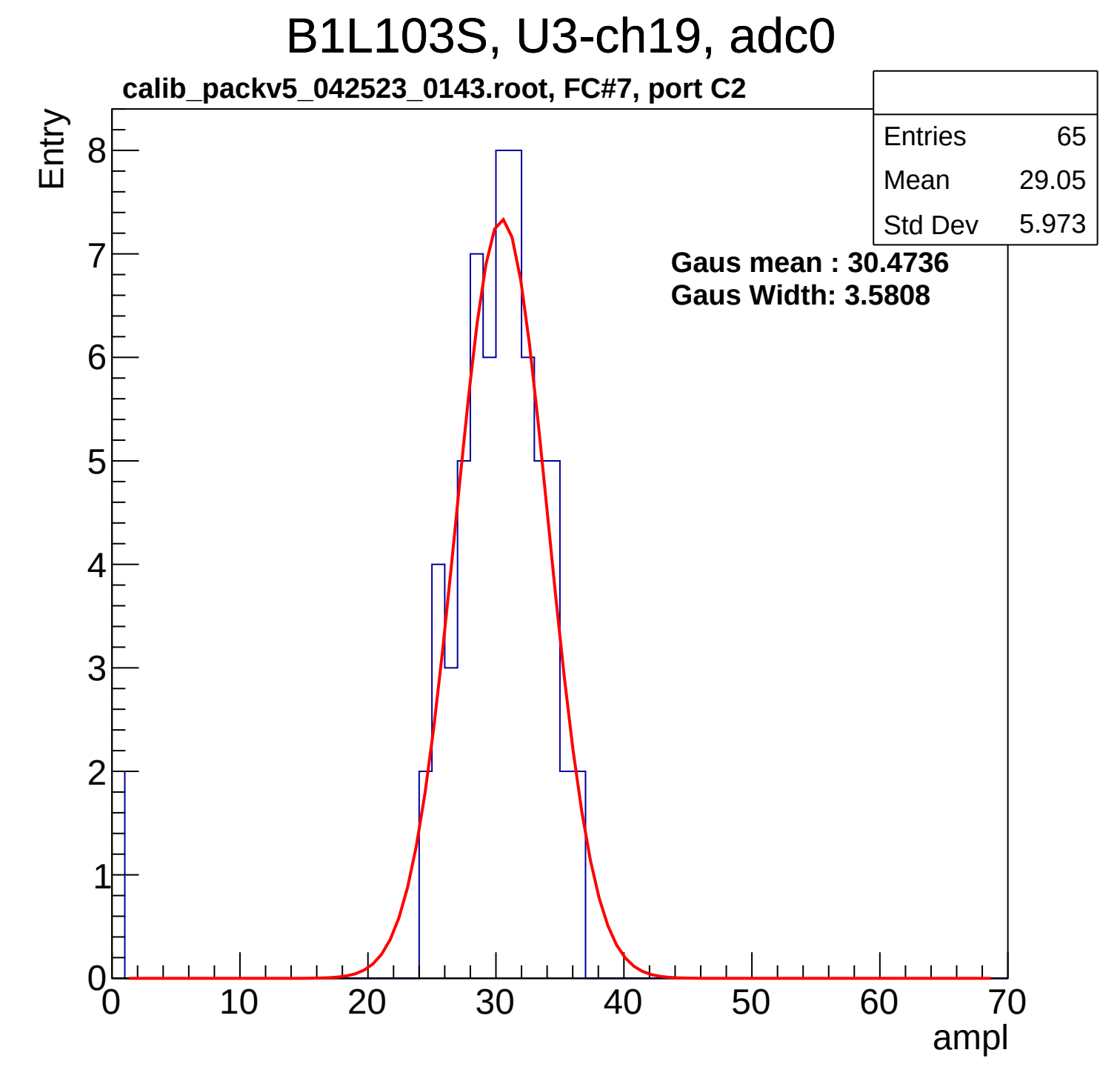
B1L103S, U3-ch19, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 29.05
Std Dev 5.973
Gaus mean : 30.4736
Gaus Width: 3.5808
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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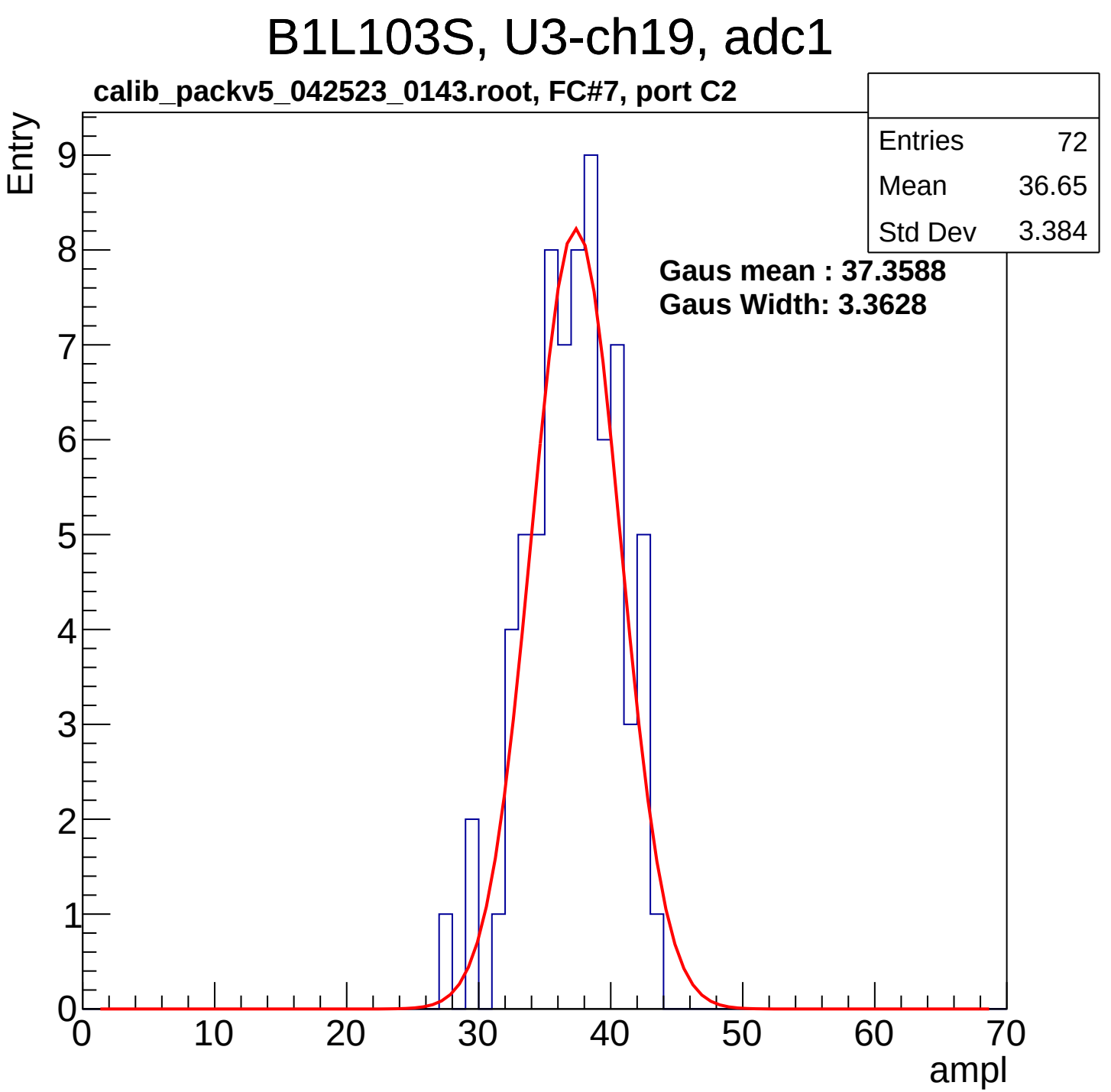
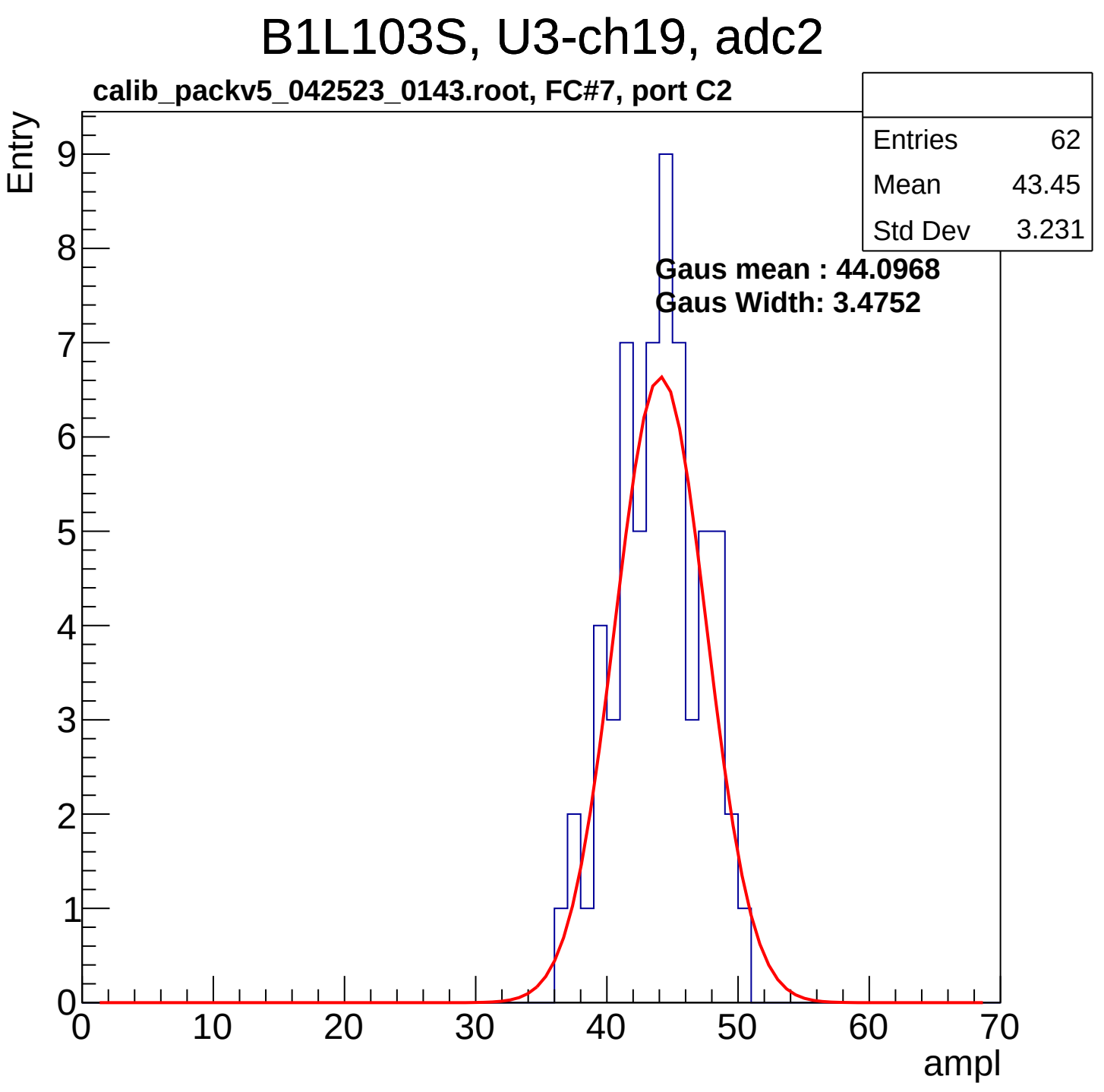

B1L103S, U3-ch19, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 36.65
Std Dev 3.384
Gaus mean : 37.3588
Gaus Width: 3.3628
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch19, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 43.45
Std Dev 3.231
Gaus mean : 44.0968
Gaus Width: 3.4752
Entry
ampl
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1
2
3
4
5
6
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8
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0
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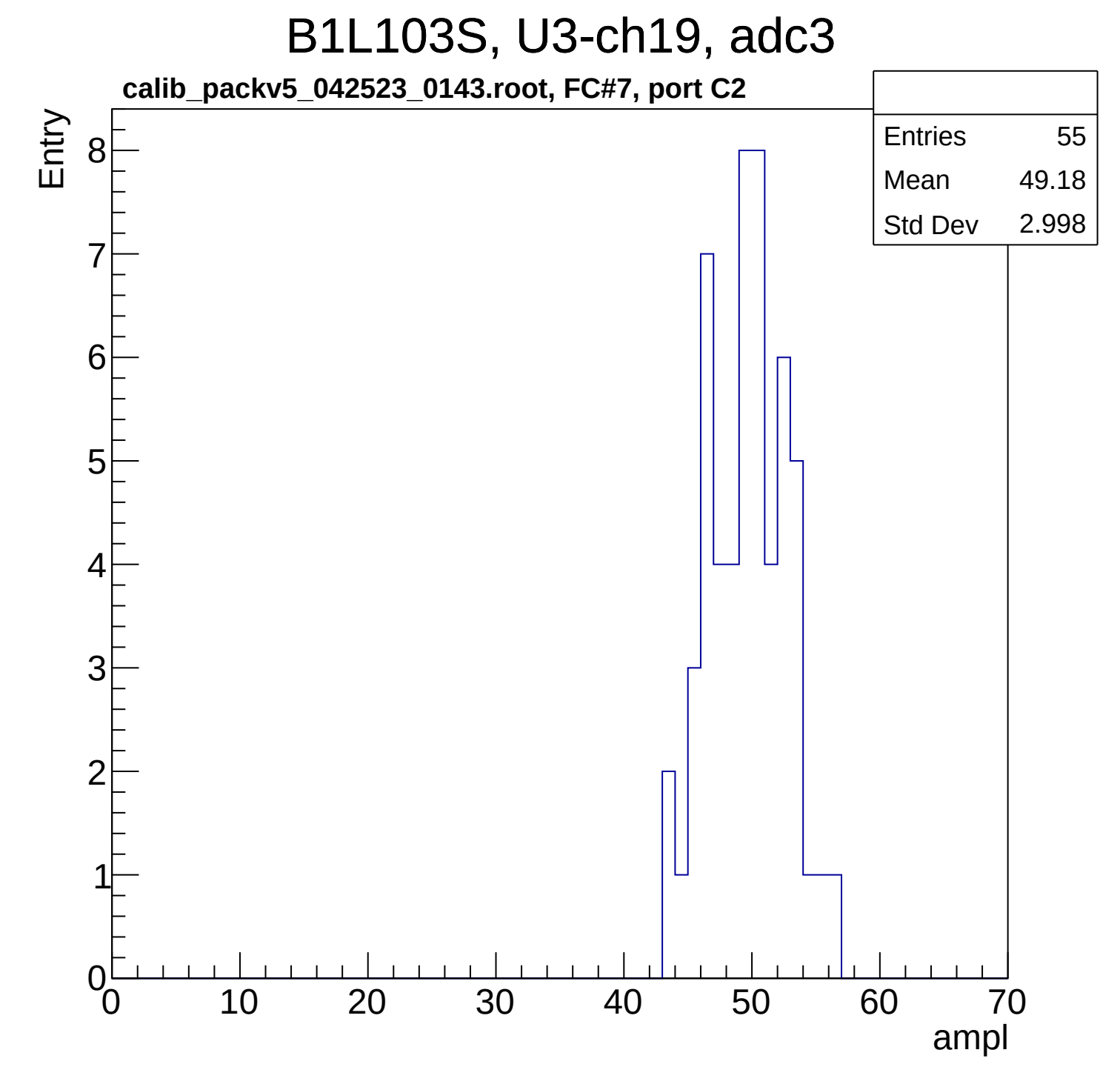
B1L103S, U3-ch19, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 49.18
Std Dev 2.998
Entry
ampl
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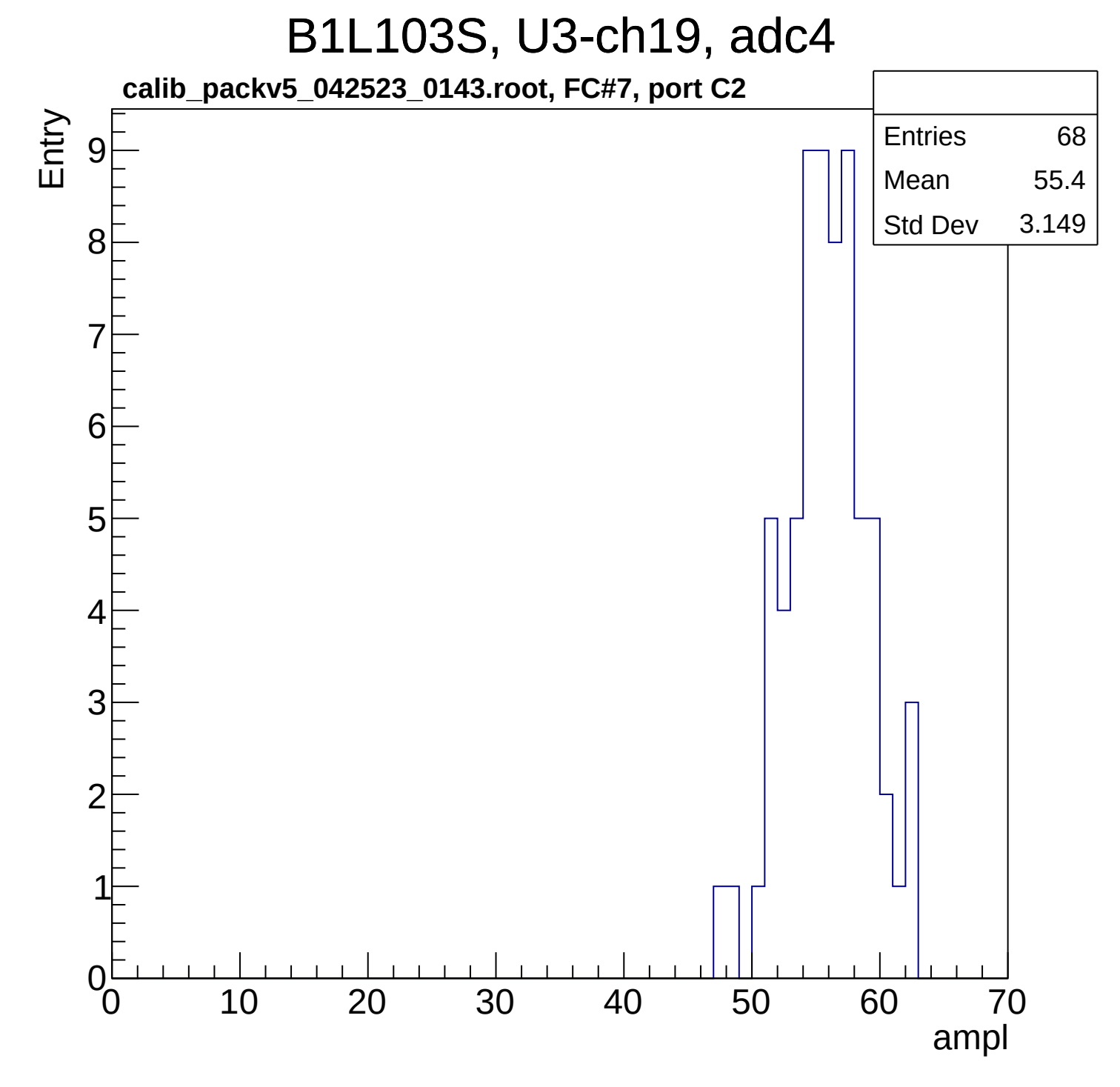
B1L103S, U3-ch19, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 55.4
Std Dev 3.149
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
50
60
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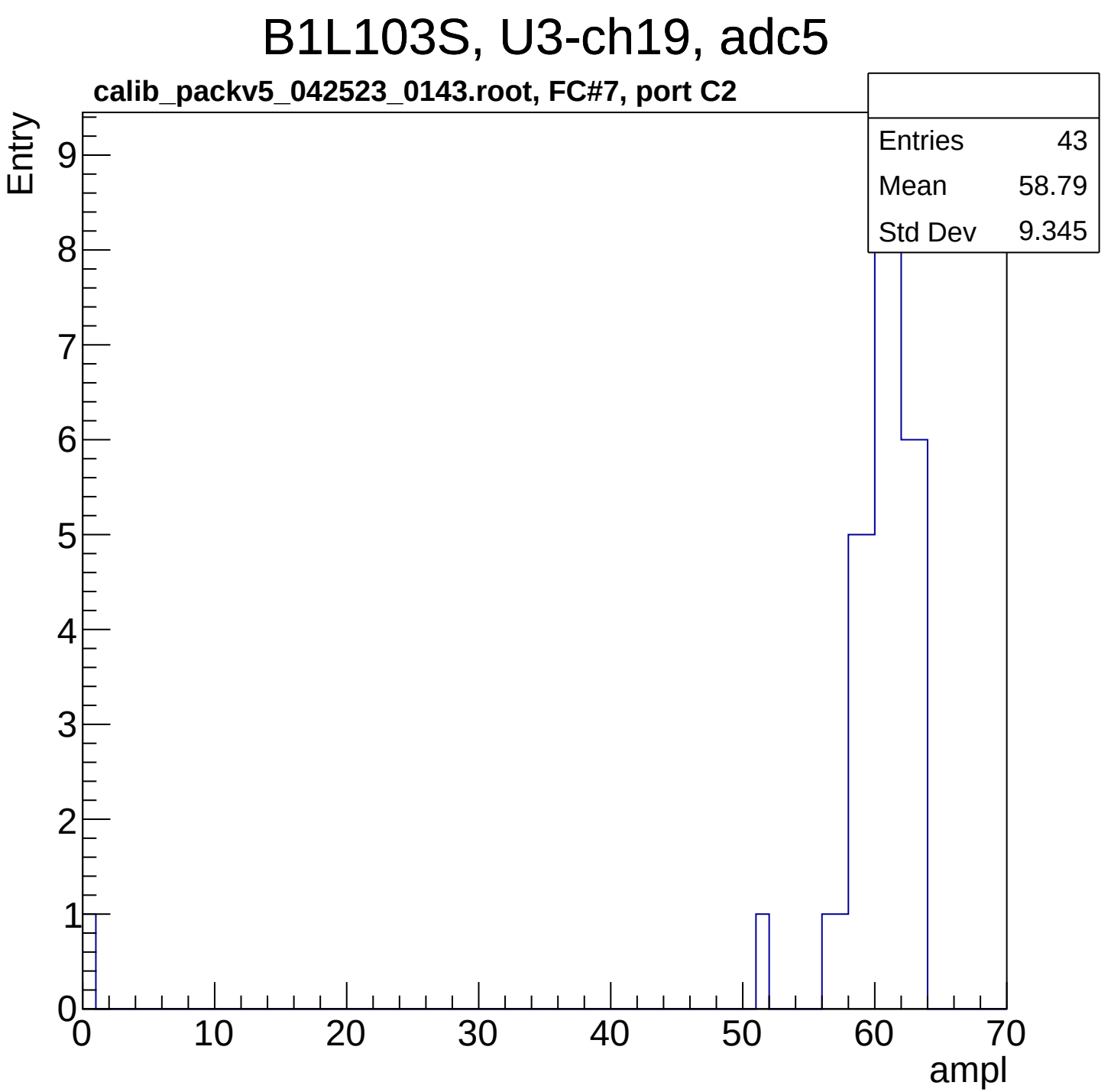
B1L103S, U3-ch19, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 58.79
Std Dev 9.345
Entry
ampl
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2
3
4
5
6
7
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0
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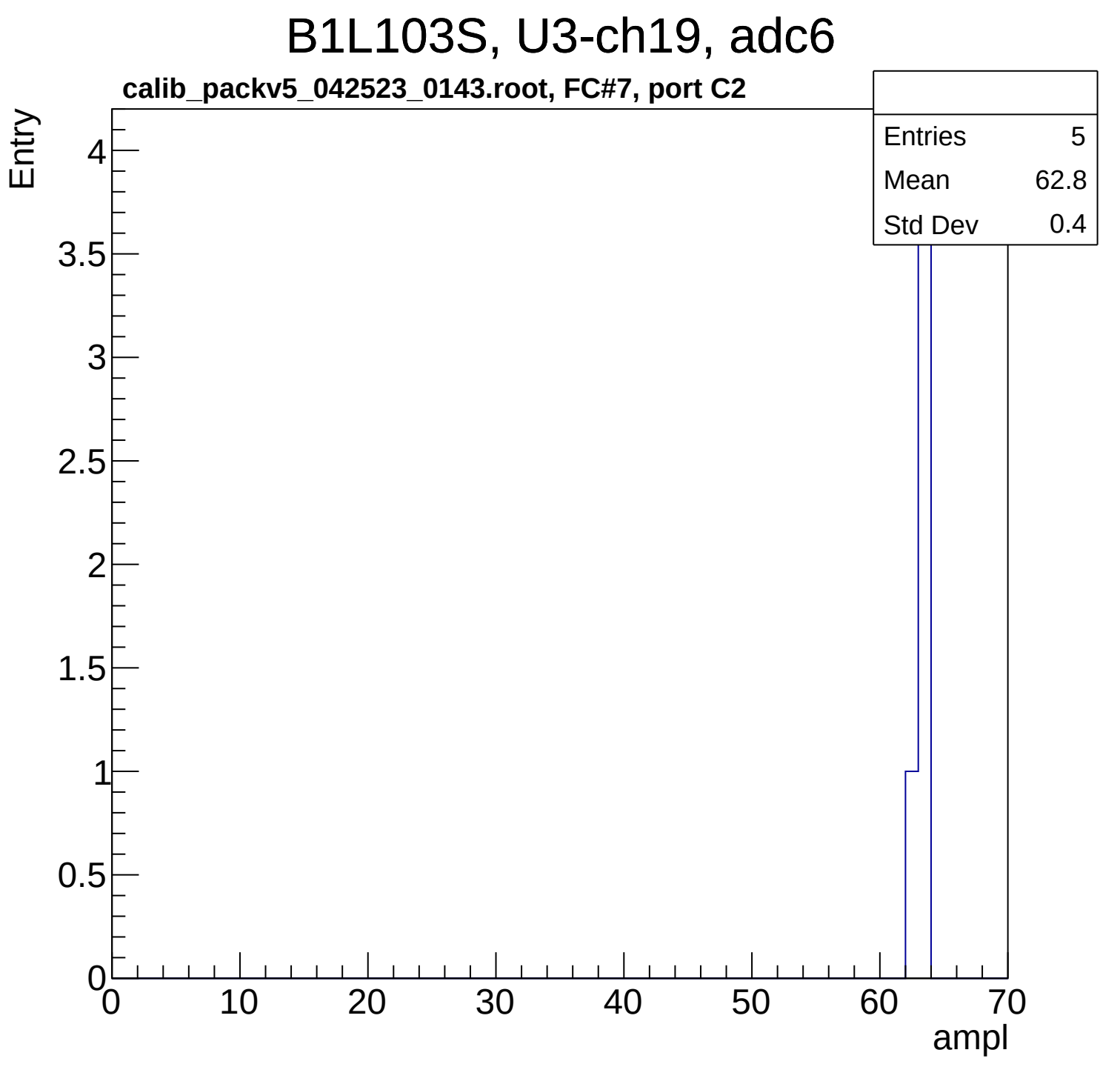
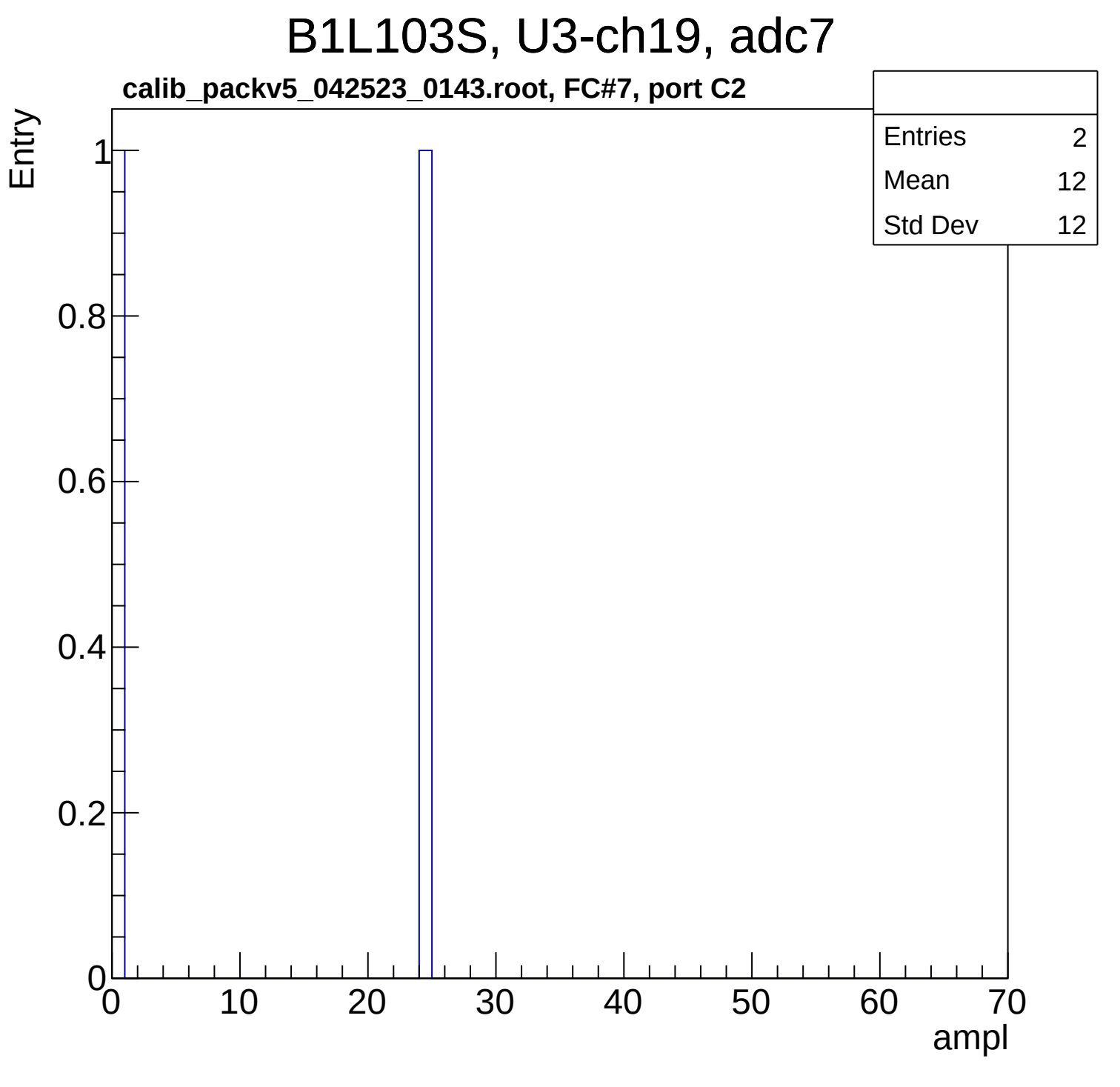
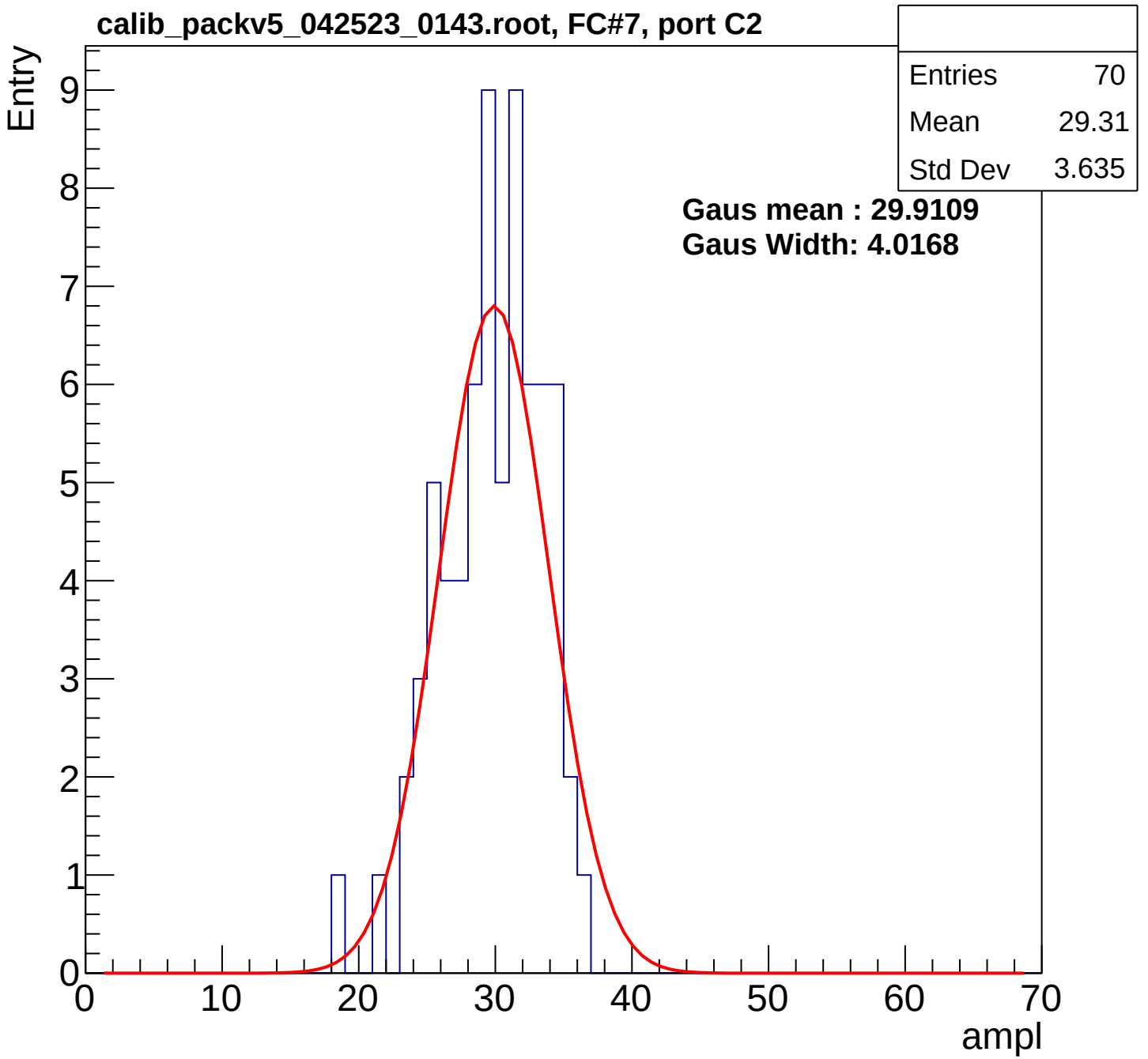
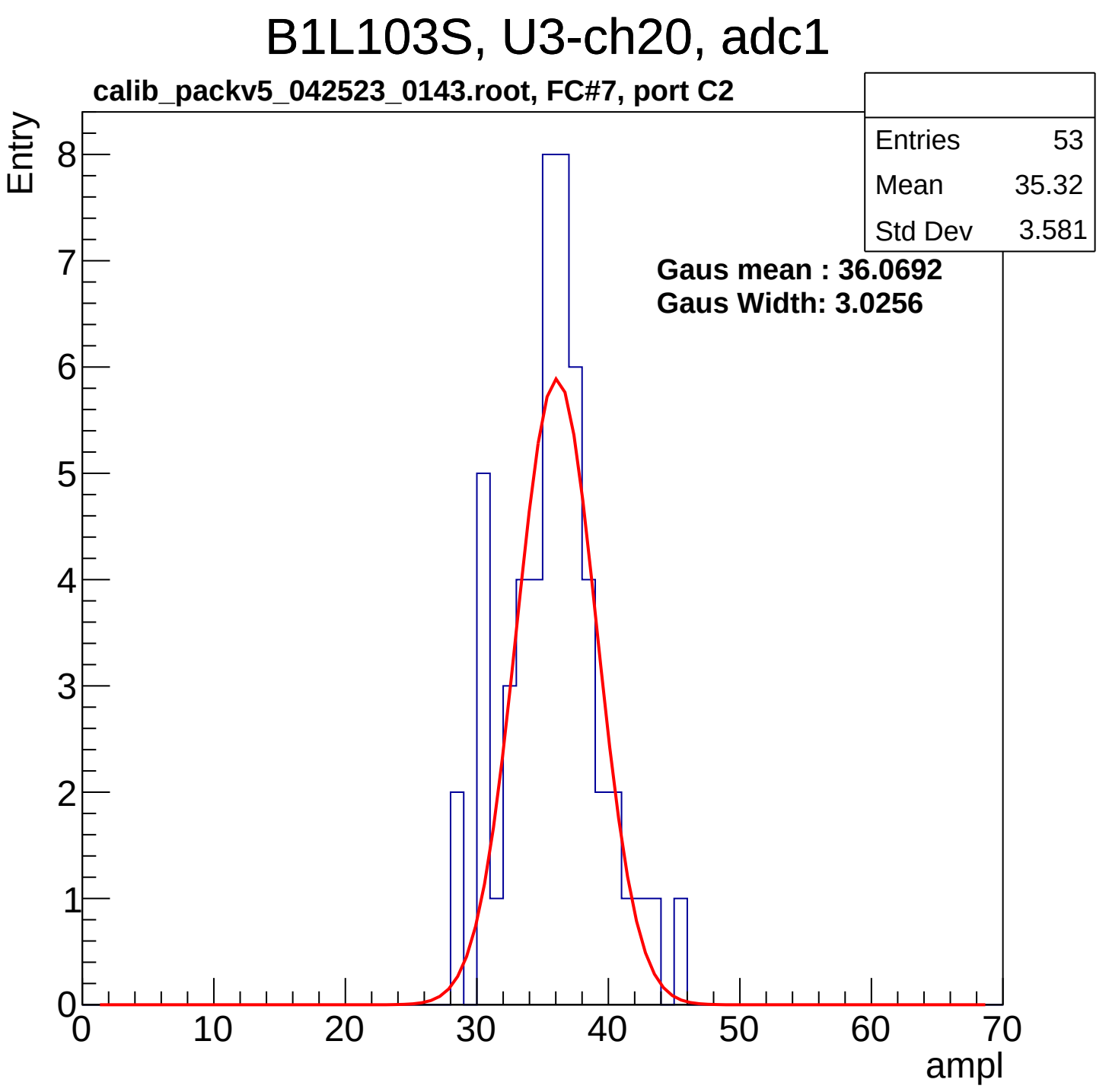

B1L103S, U3-ch19, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 62.8
Std Dev 0.4
Entry
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch19, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch20, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 29.31
Std Dev 3.635
Gaus mean : 29.9109
Gaus Width: 4.0168
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch20, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 35.32
Std Dev 3.581
Gaus mean : 36.0692
Gaus Width: 3.0256
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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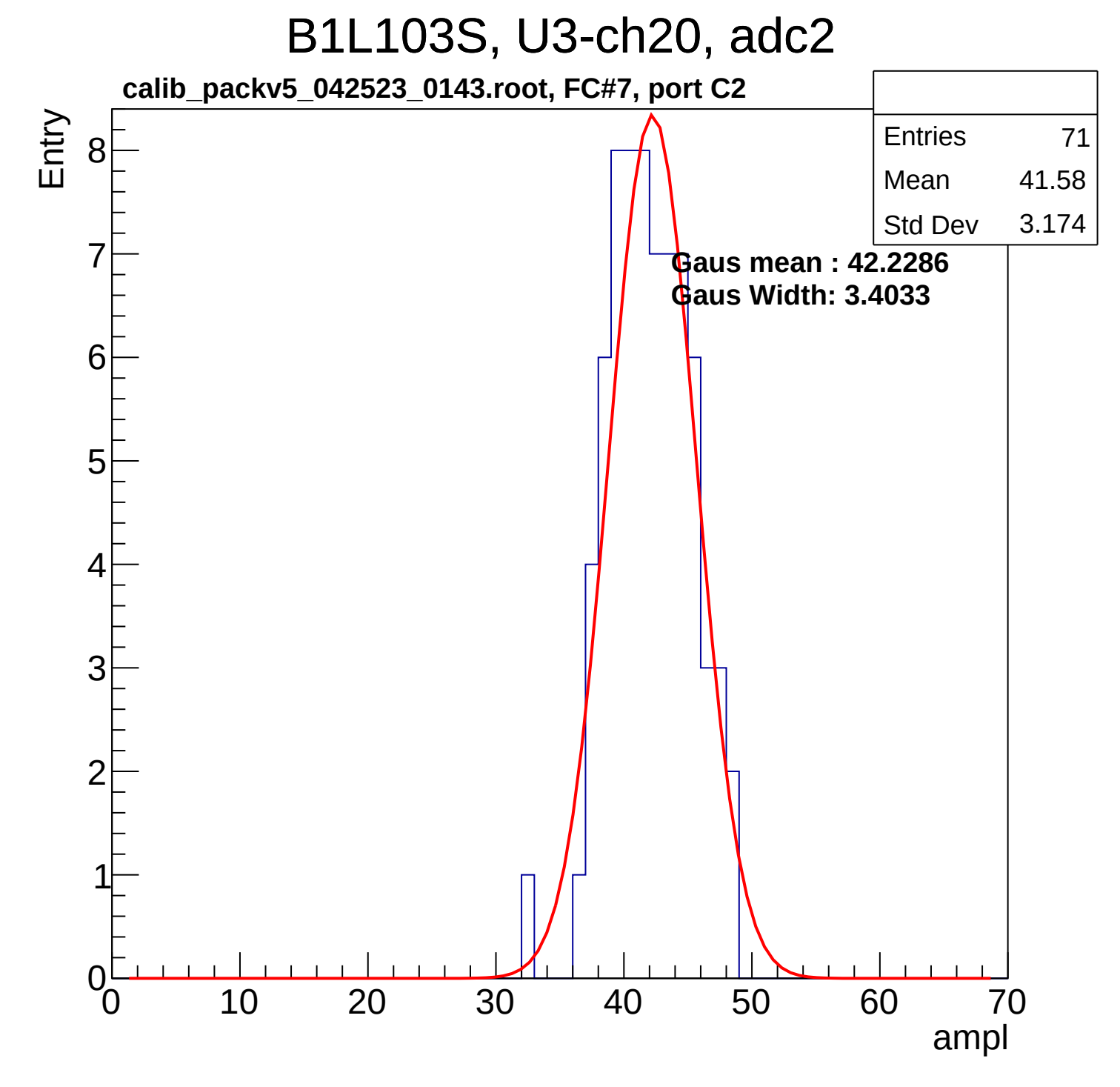
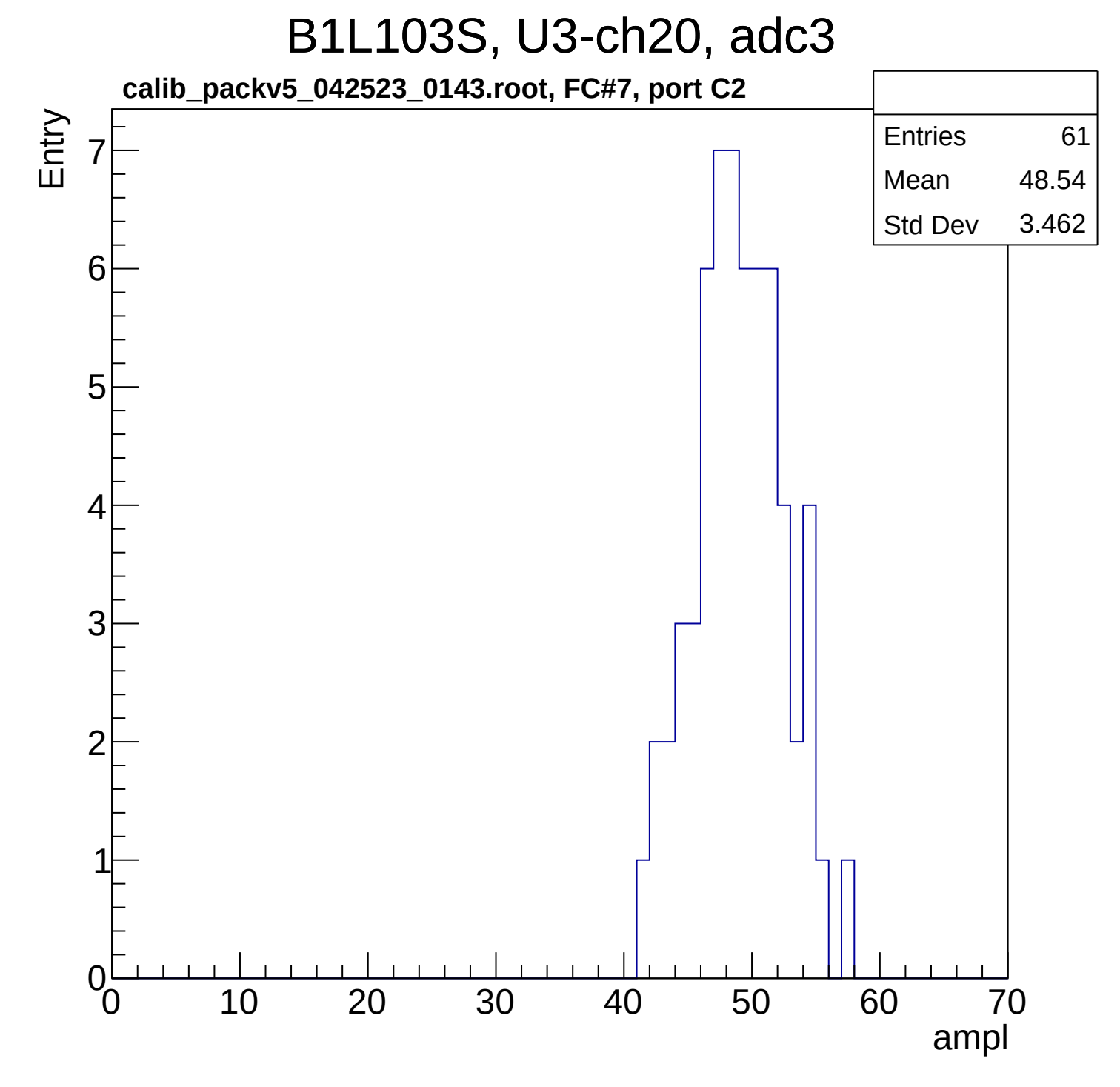
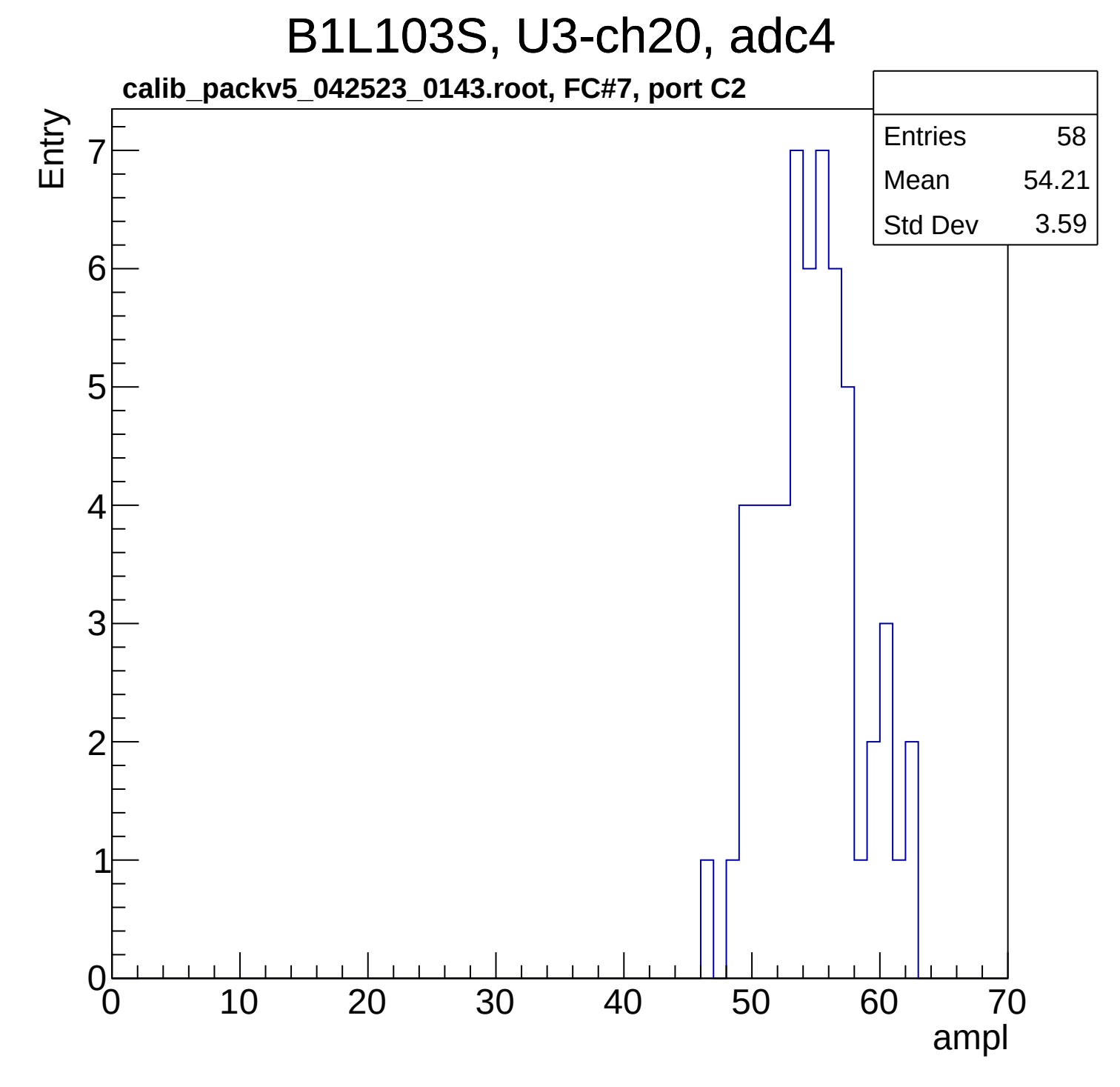
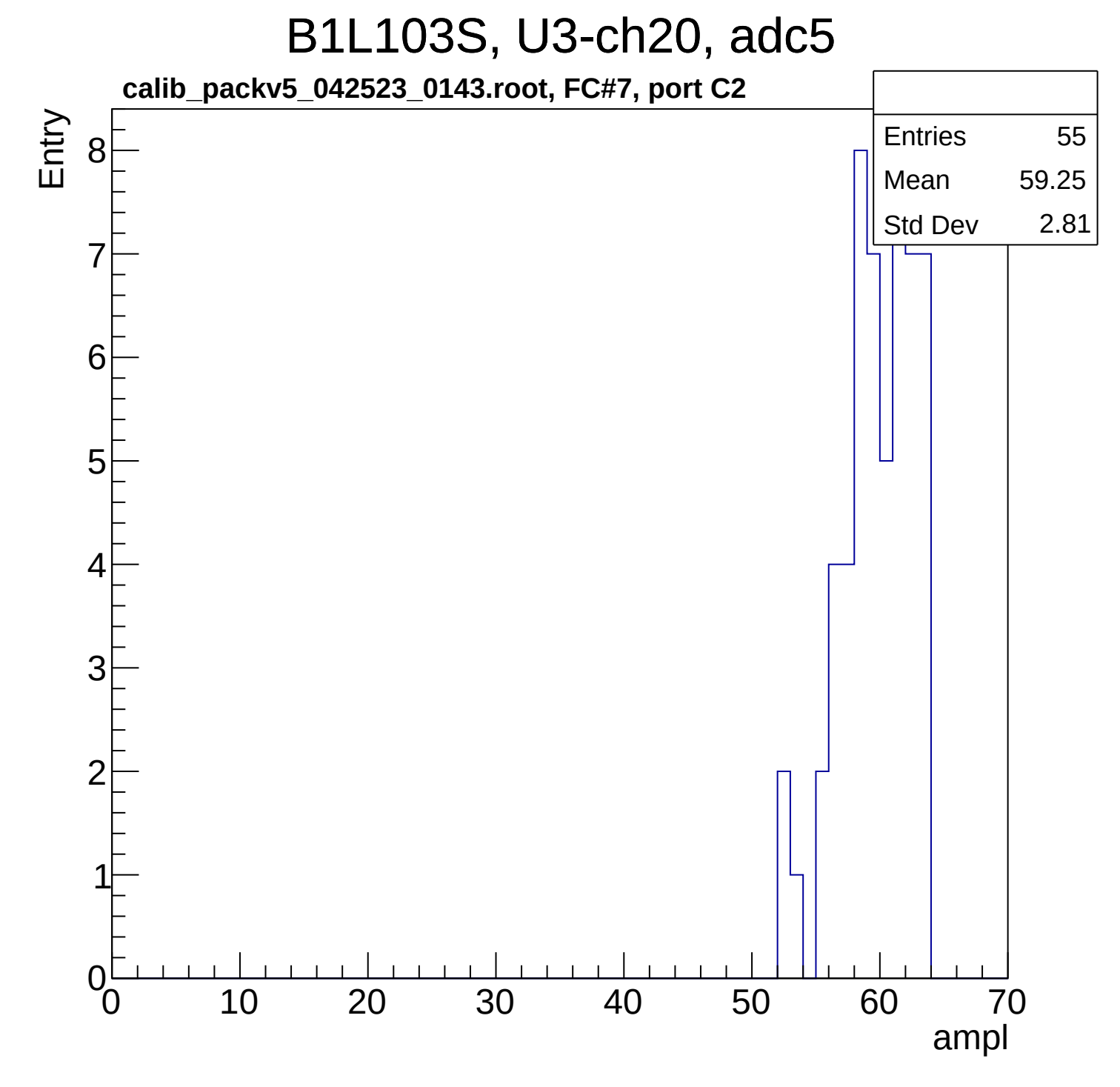

B1L103S, U3-ch20, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 41.58
Std Dev 3.174
Gaus mean : 42.2286
Gaus Width: 3.4033
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch20, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 48.54
Std Dev 3.462
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch20, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 54.21
Std Dev 3.59
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch20, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 59.25
Std Dev 2.81
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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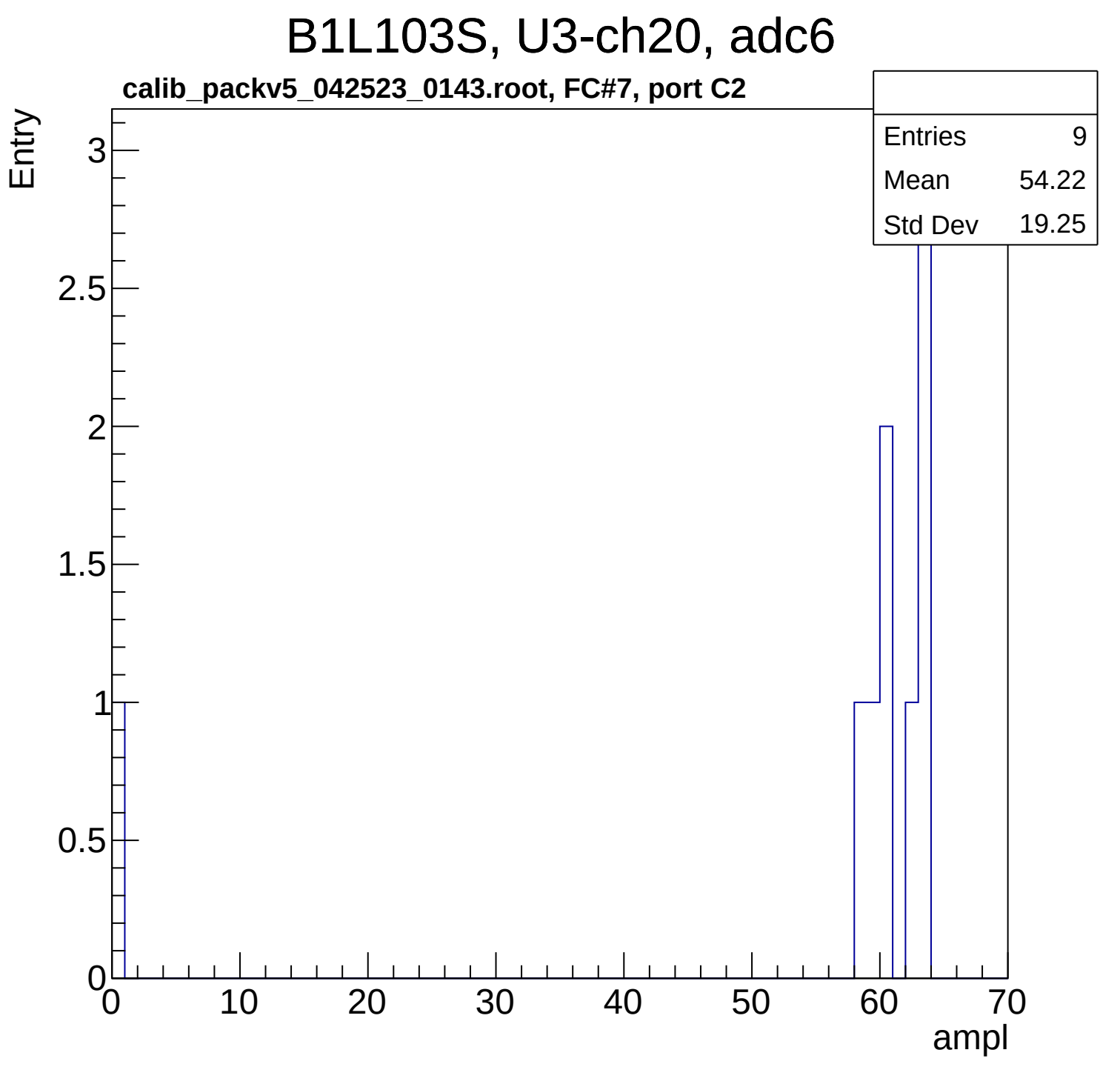
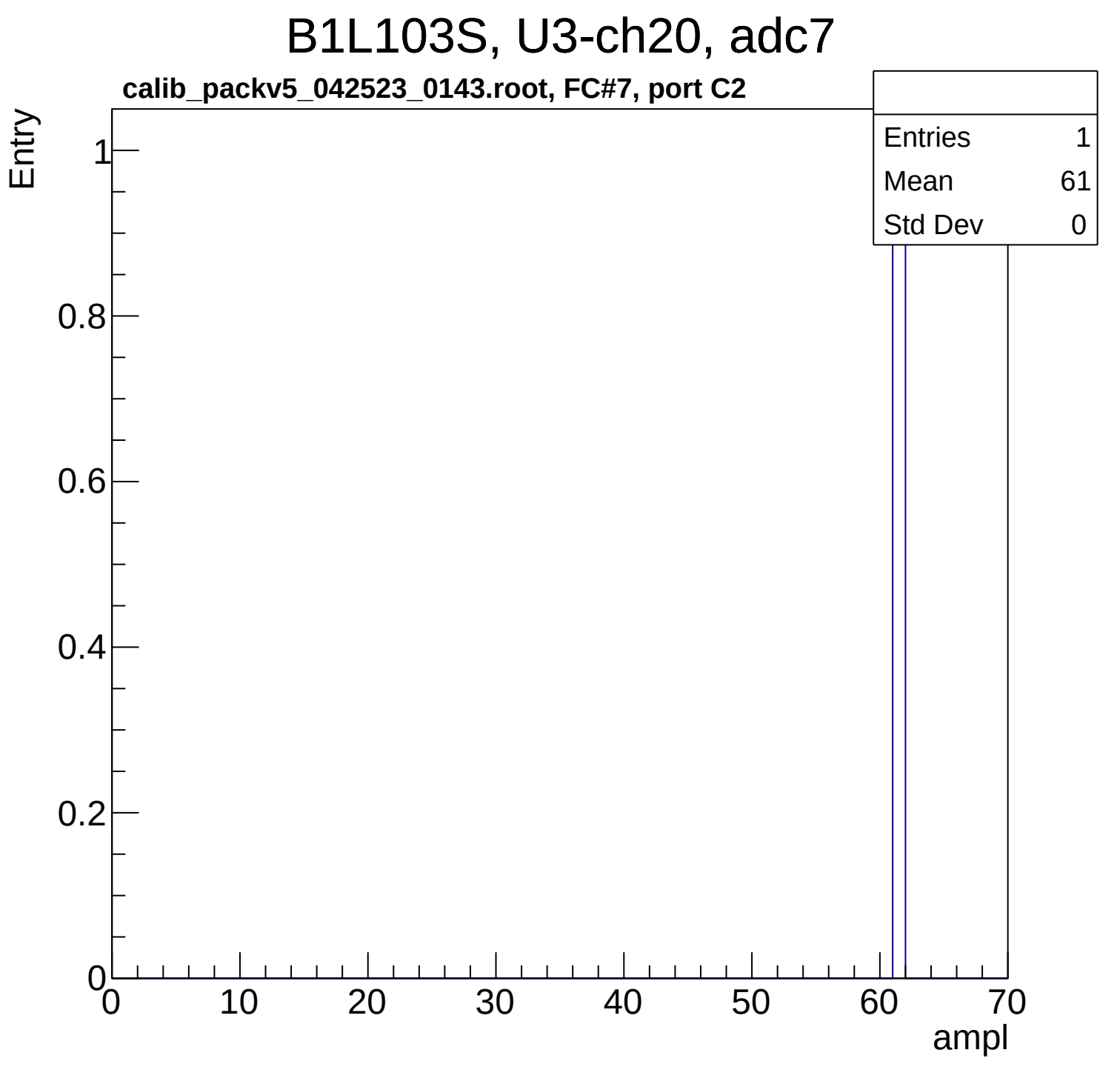
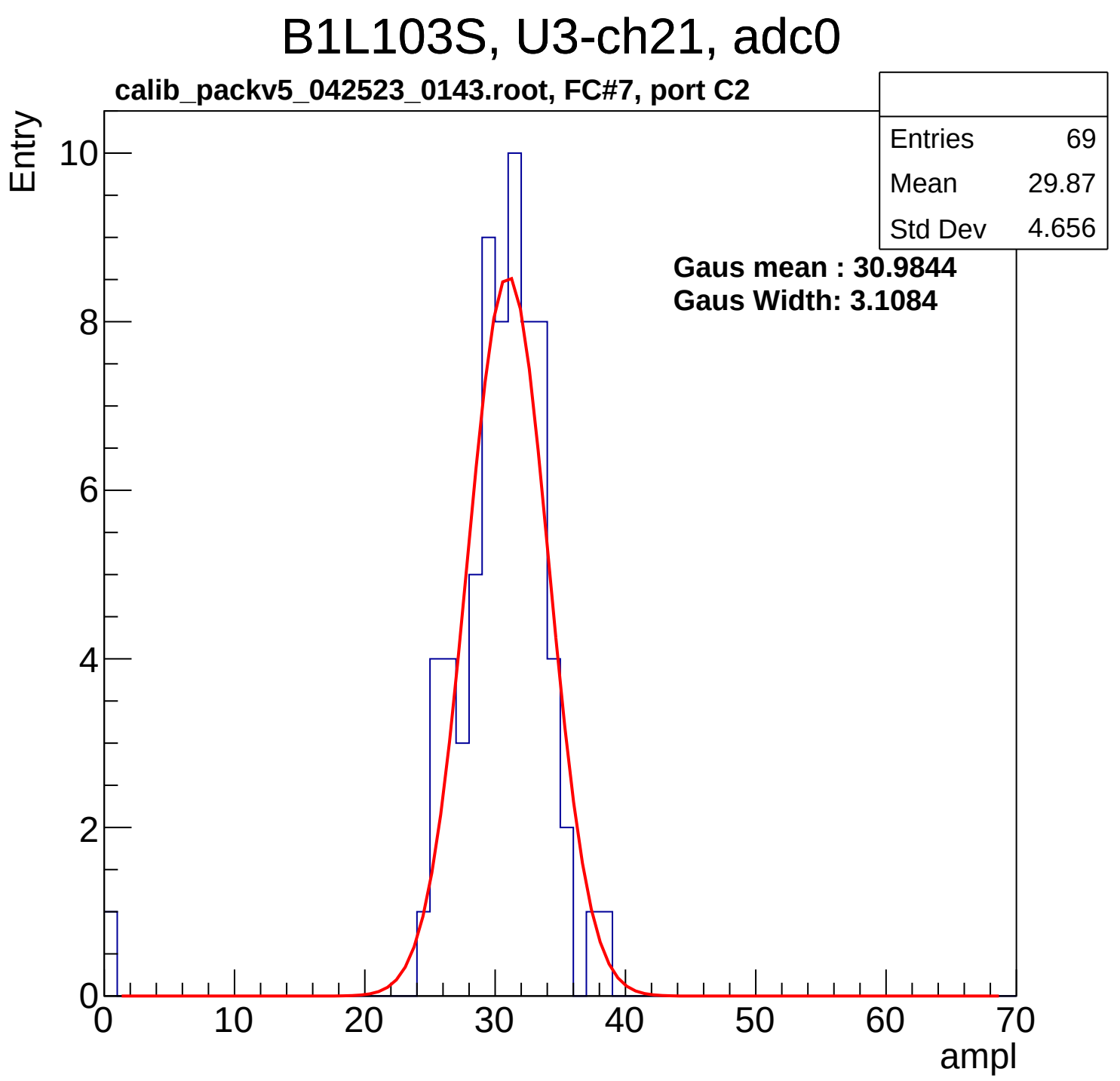
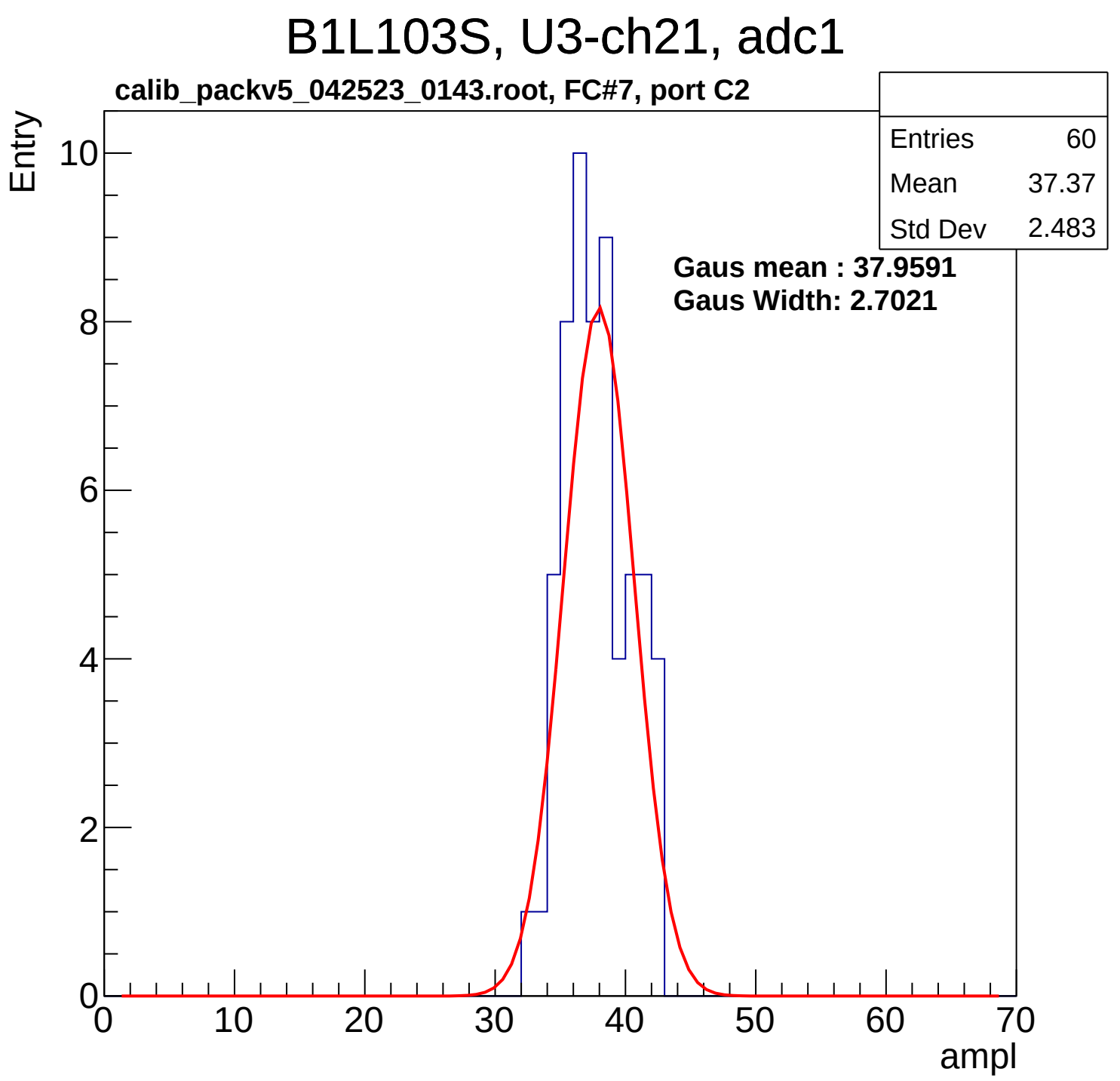
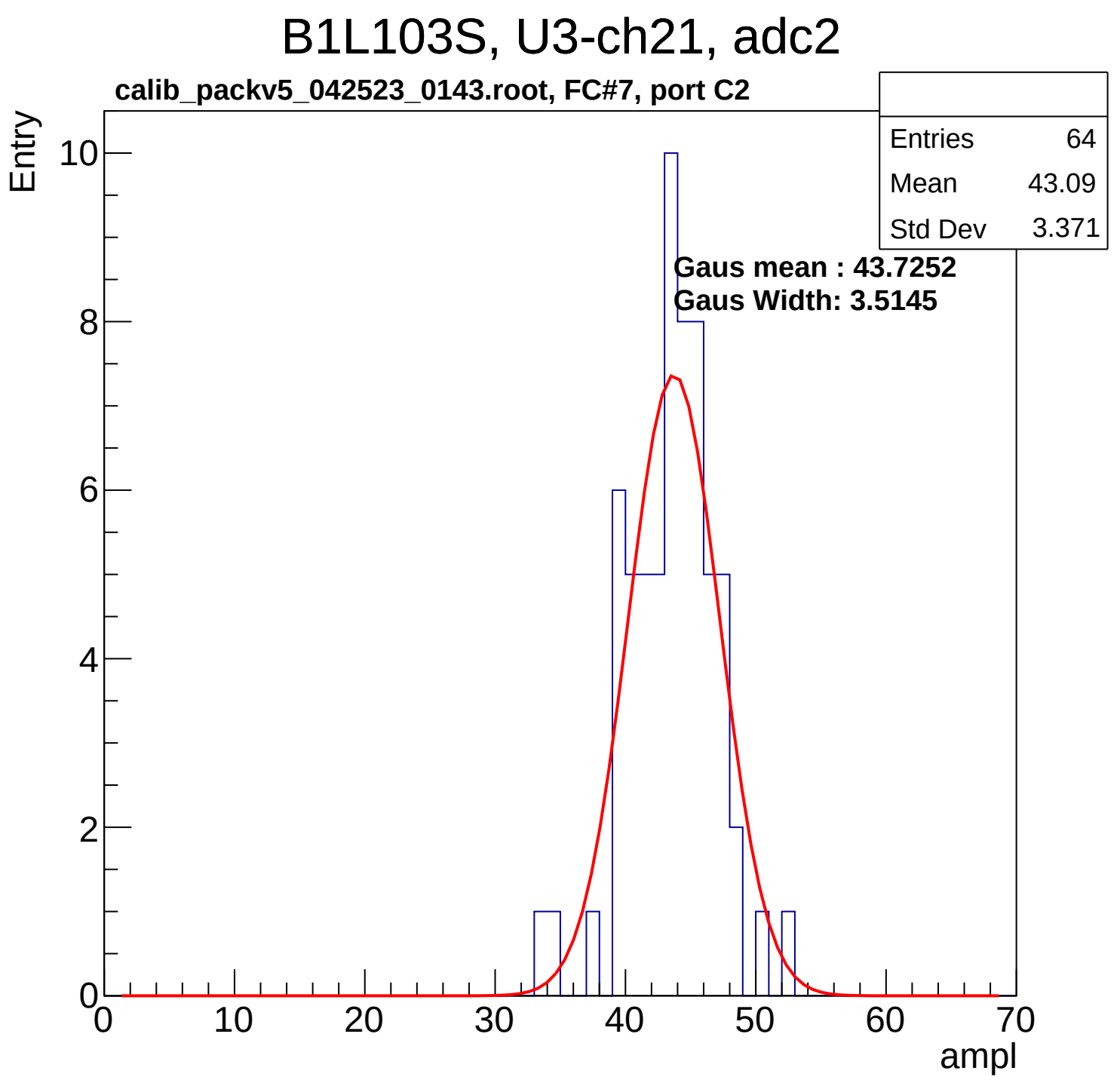
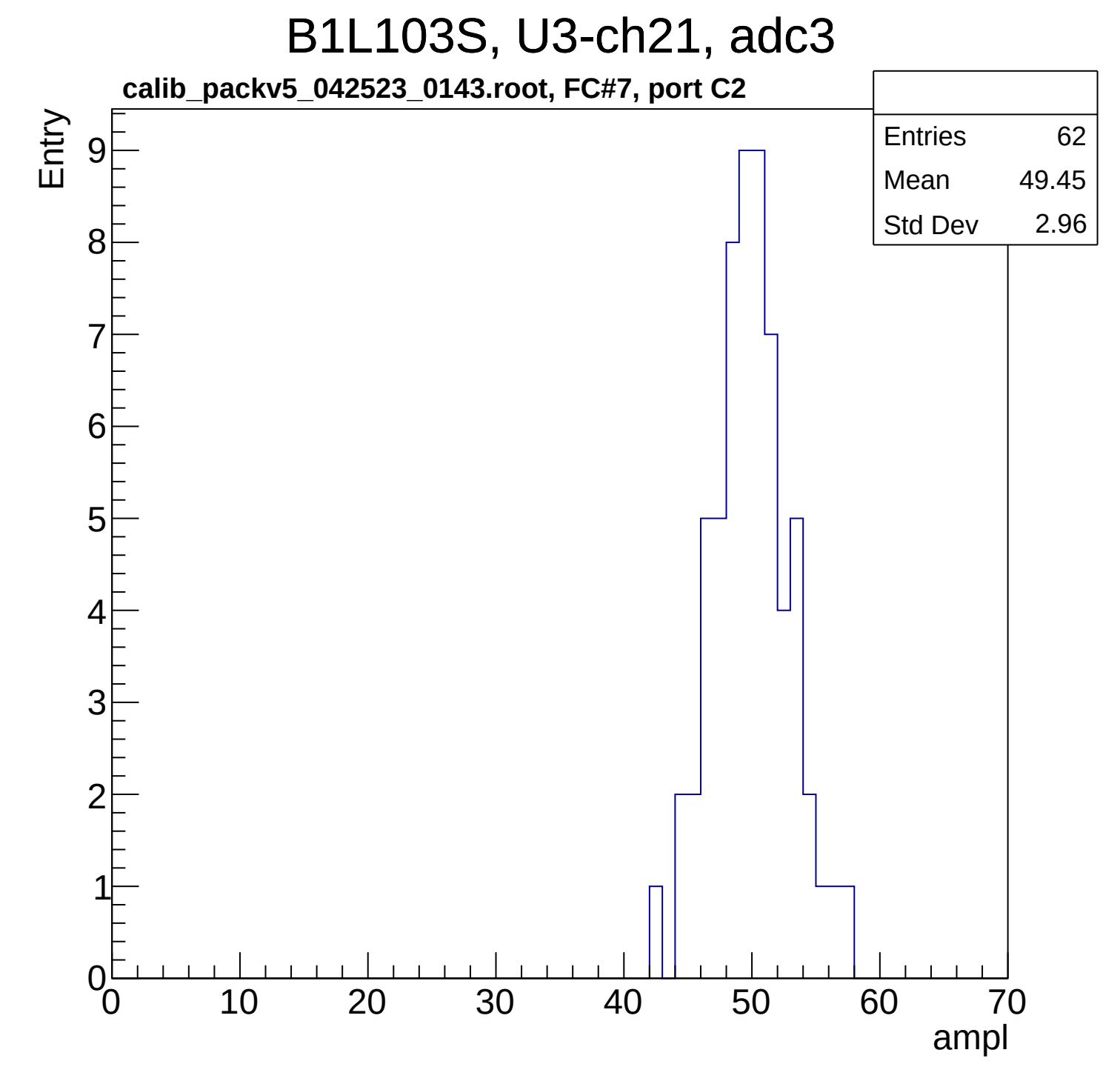

B1L103S, U3-ch20, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 54.22
Std Dev 19.25
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch20, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch21, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 29.87
Std Dev 4.656
Gaus mean : 30.9844
Gaus Width: 3.1084
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 37.37
Std Dev 2.483
Gaus mean : 37.9591
Gaus Width: 2.7021
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 43.09
Std Dev 3.371
Gaus mean : 43.7252
Gaus Width: 3.5145
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 49.45
Std Dev 2.96
Entry
ampl
0
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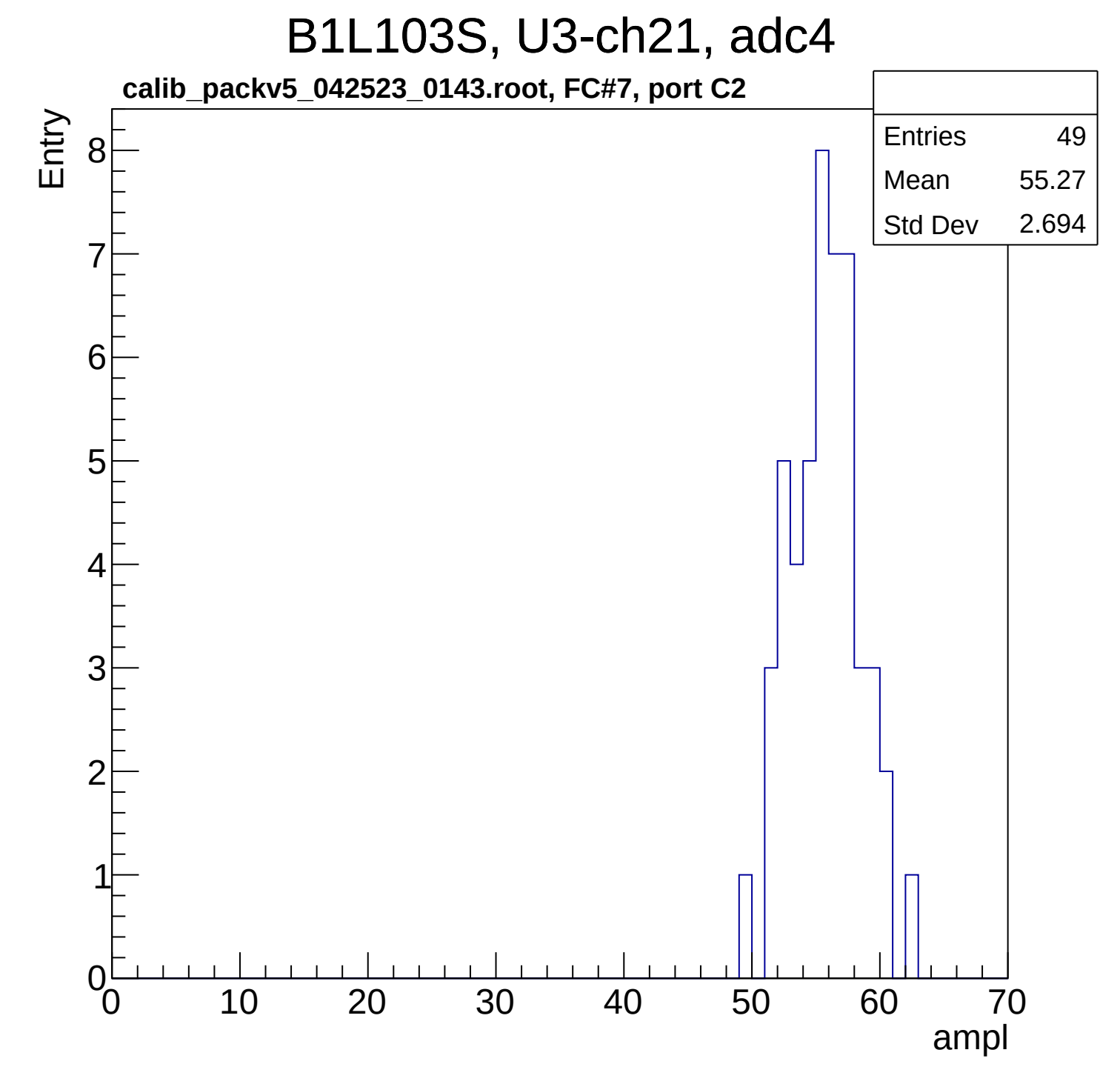
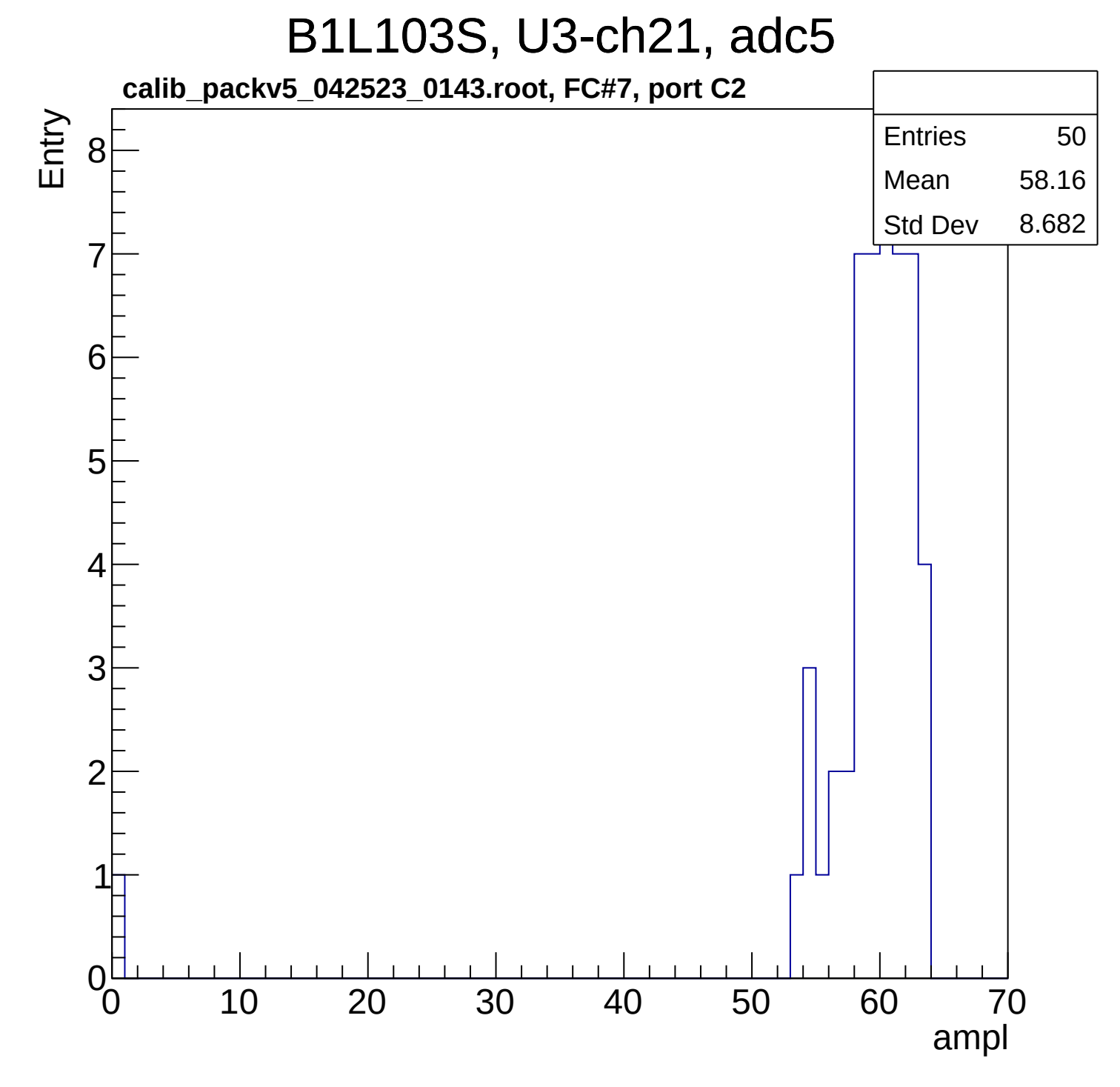
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 55.27
Std Dev 2.694
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 58.16
Std Dev 8.682
Entry
ampl
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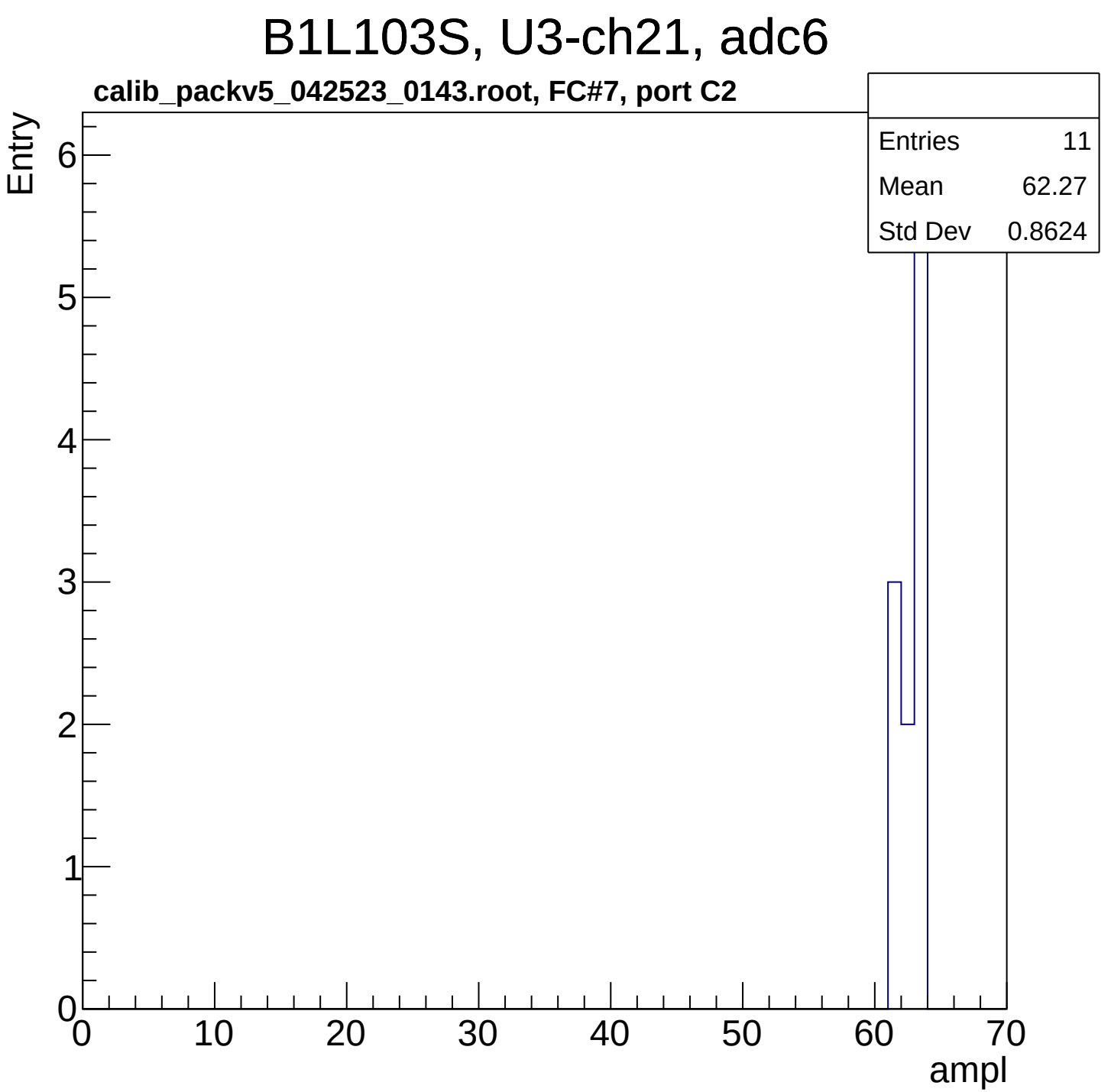
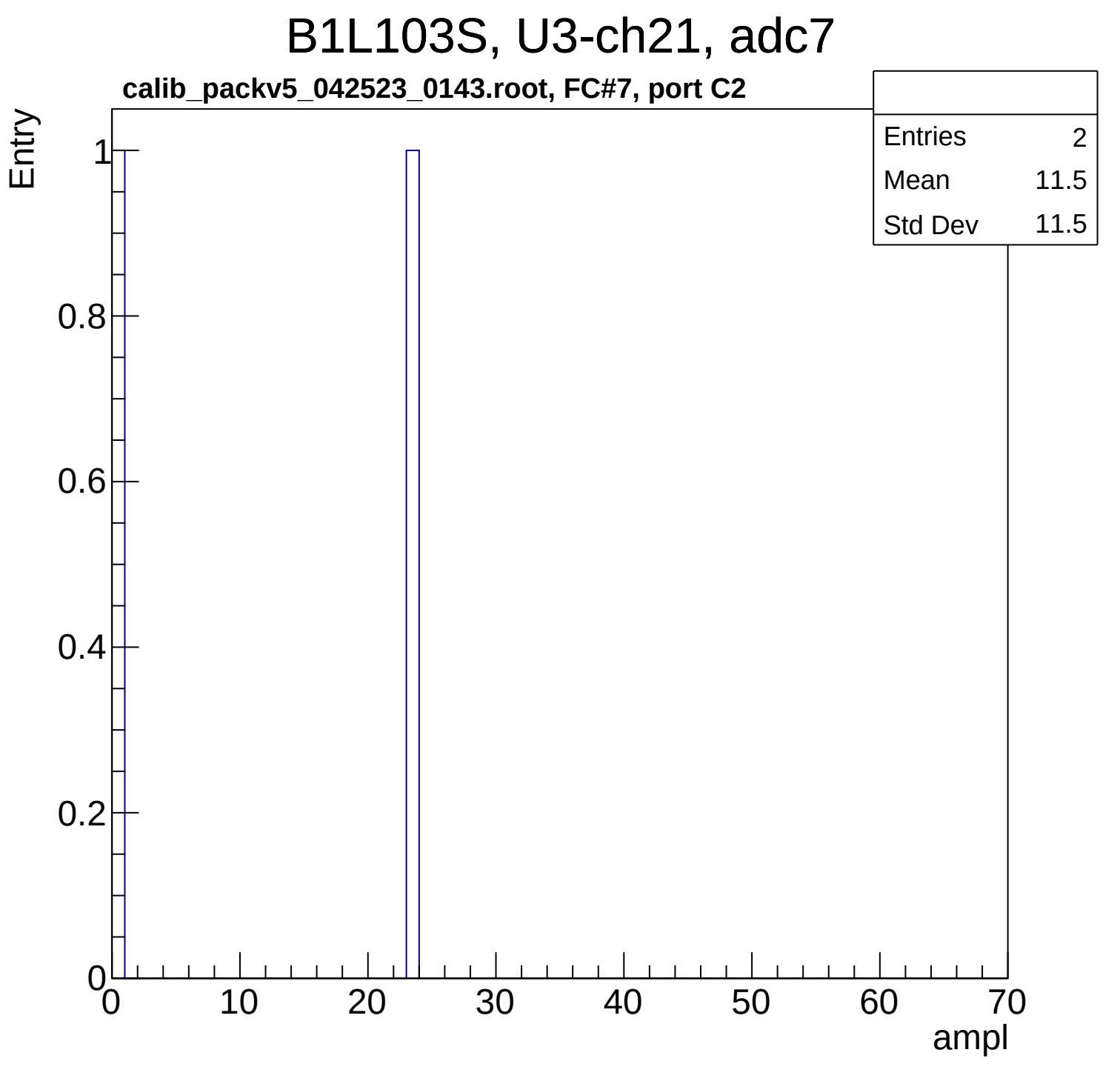
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch21, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 62.27
Std Dev 0.8624
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch21, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 11.5
Std Dev 11.5
Entry
1
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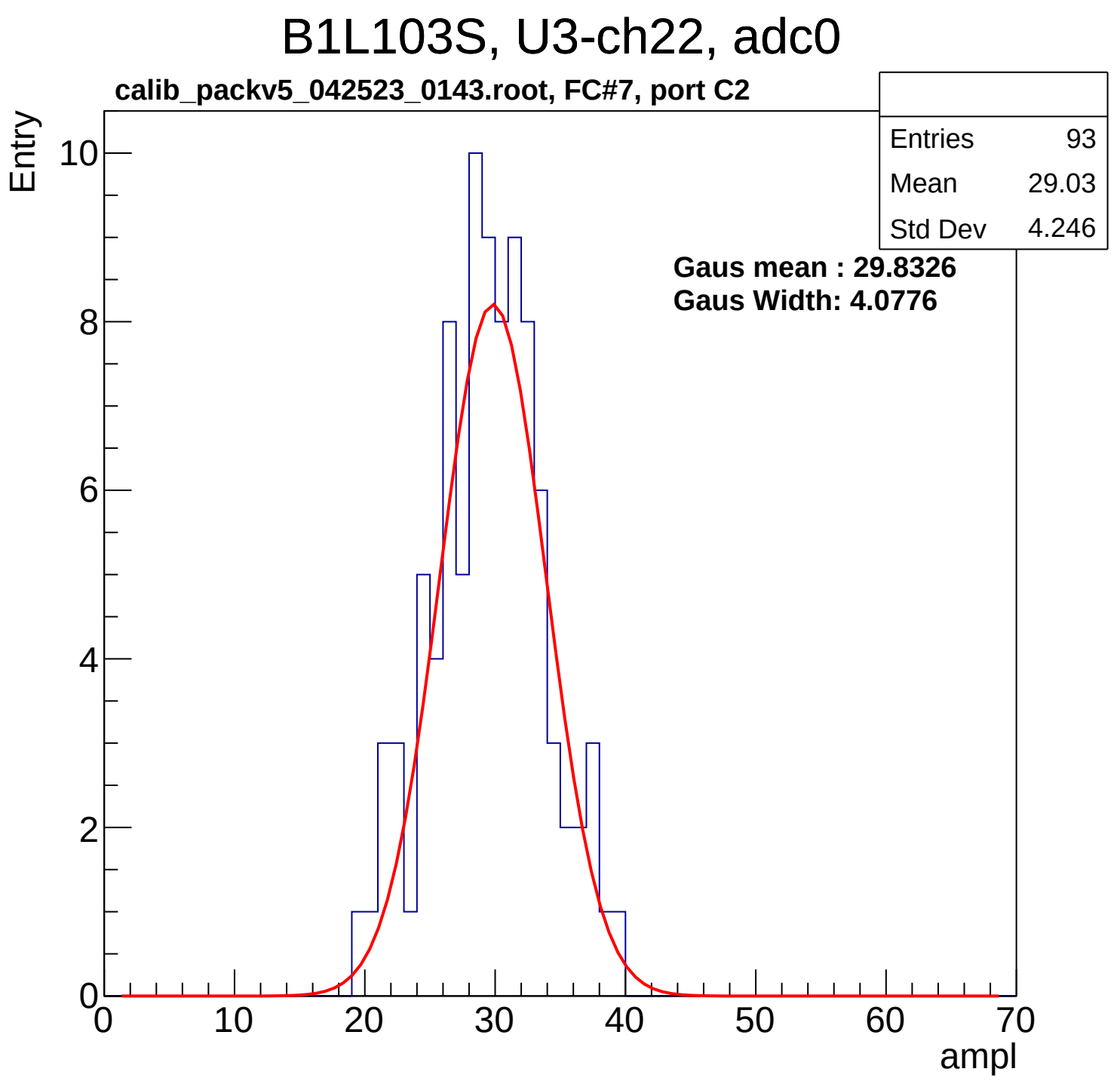
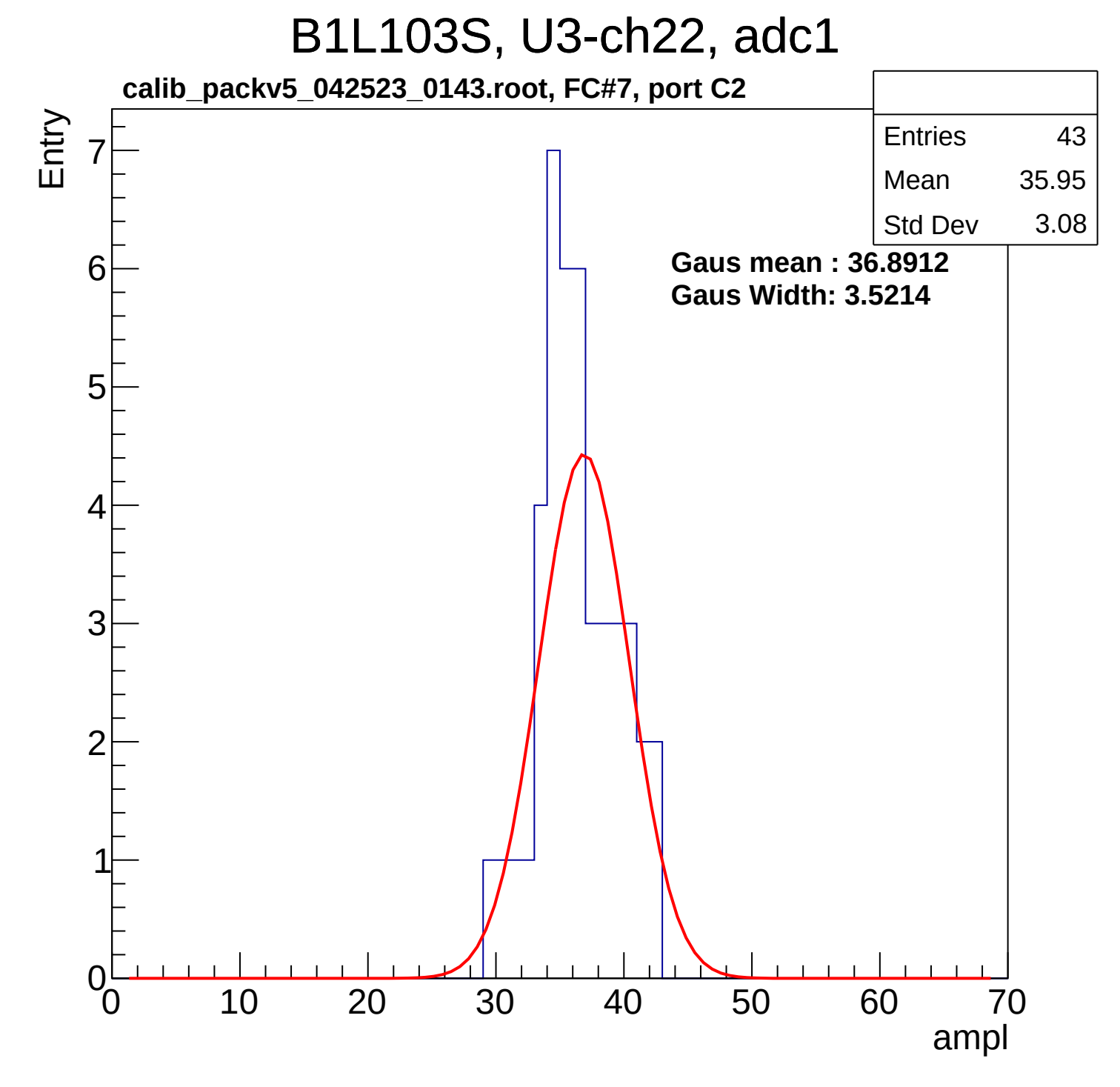
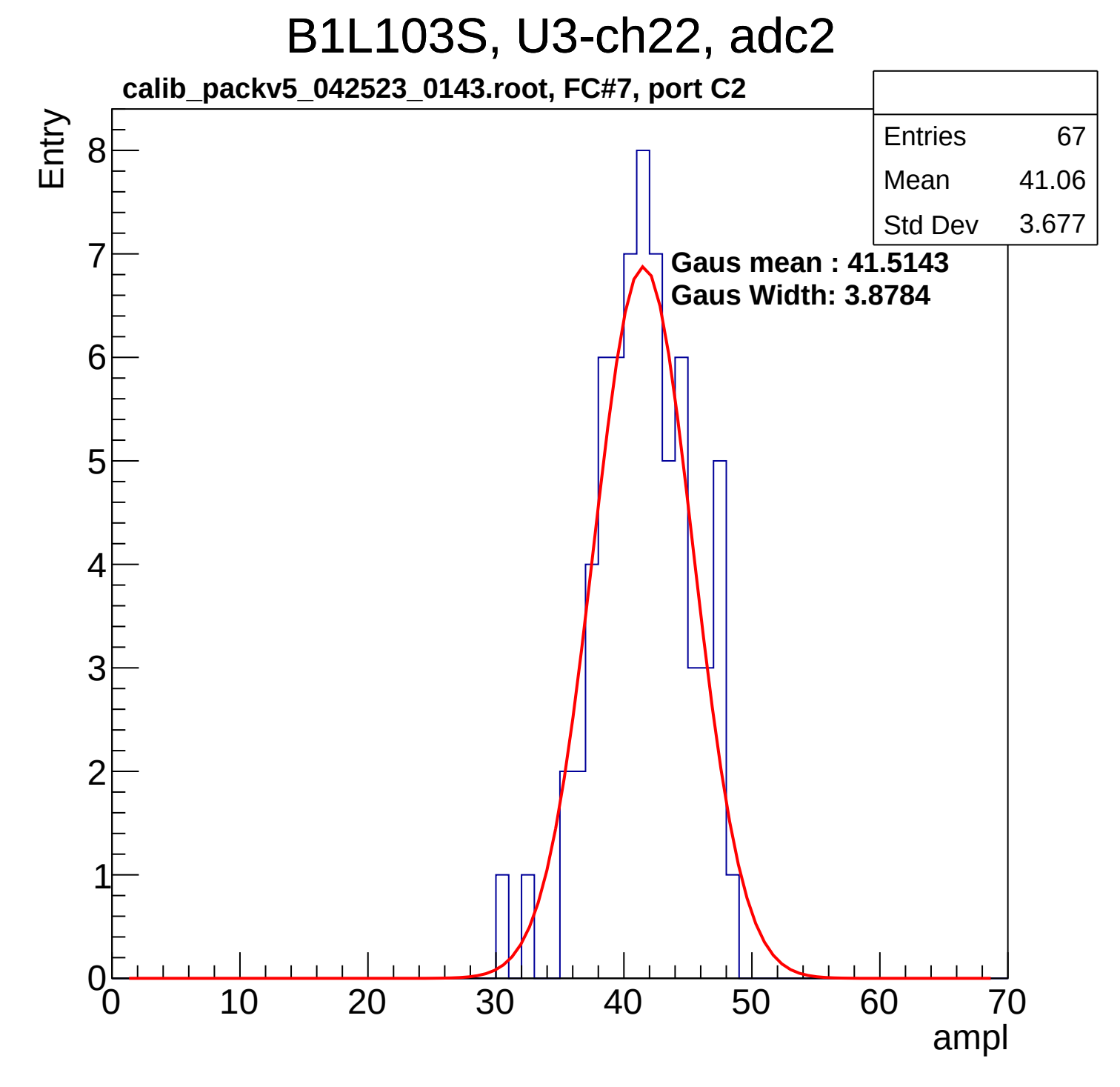
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch22, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 93
Mean 29.03
Std Dev 4.246
Gaus mean : 29.8326
Gaus Width: 4.0776
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch22, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 35.95
Std Dev 3.08
Gaus mean : 36.8912
Gaus Width: 3.5214
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch22, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 41.06
Std Dev 3.677
Gaus mean : 41.5143
Gaus Width: 3.8784
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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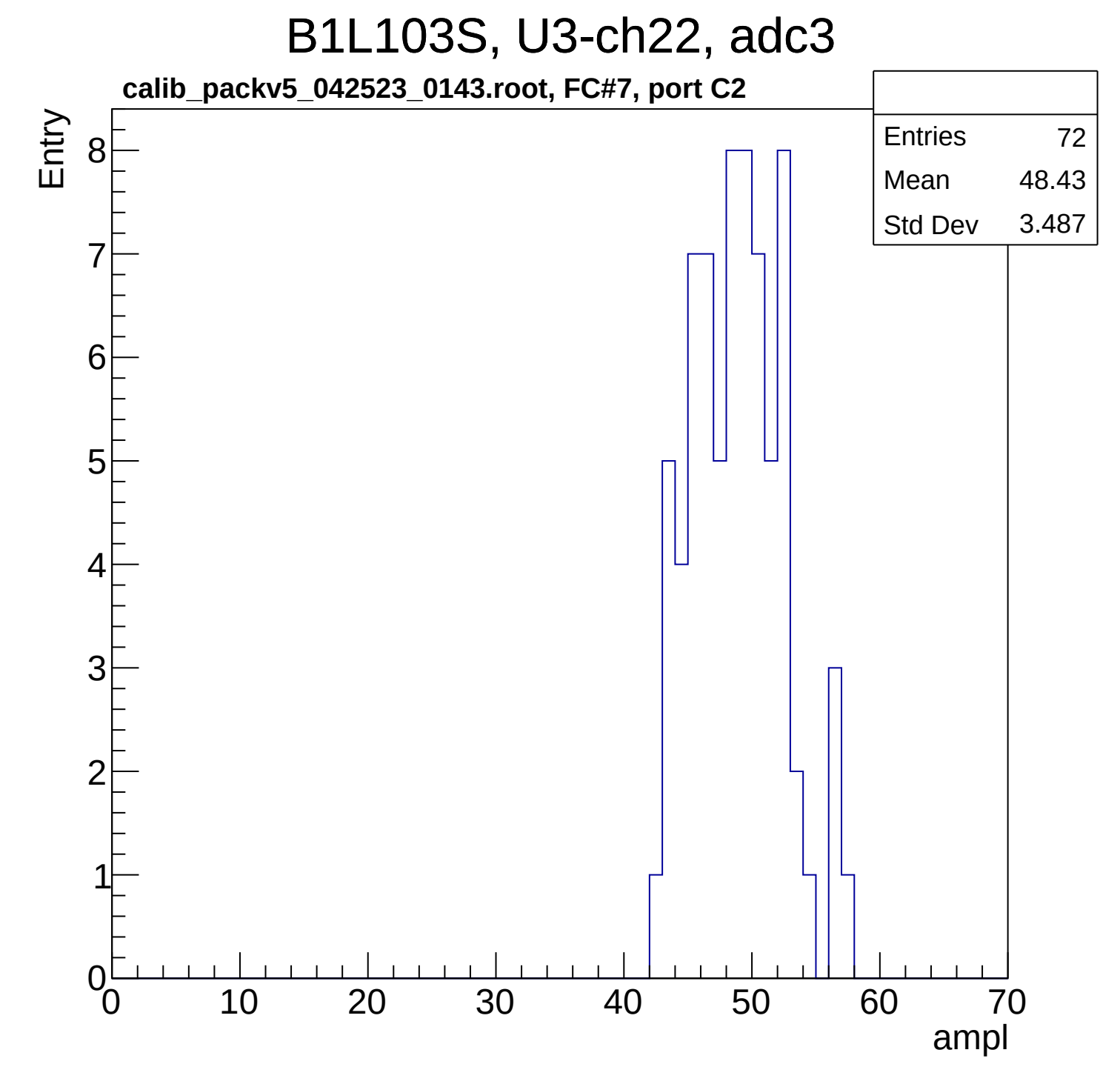
B1L103S, U3-ch22, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 48.43
Std Dev 3.487
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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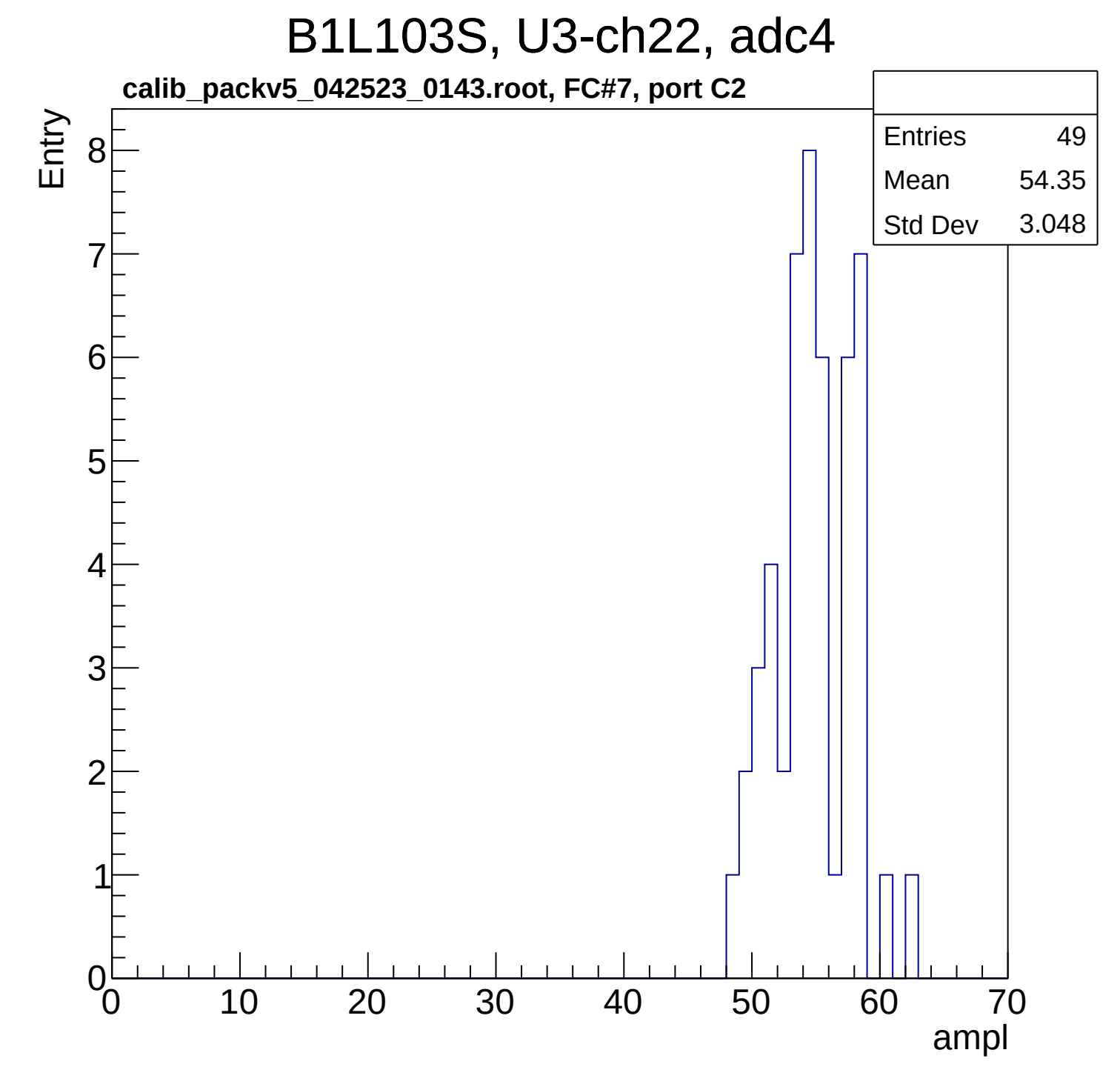
60
70


B1L103S, U3-ch22, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 54.35
Std Dev 3.048
Entry
ampl
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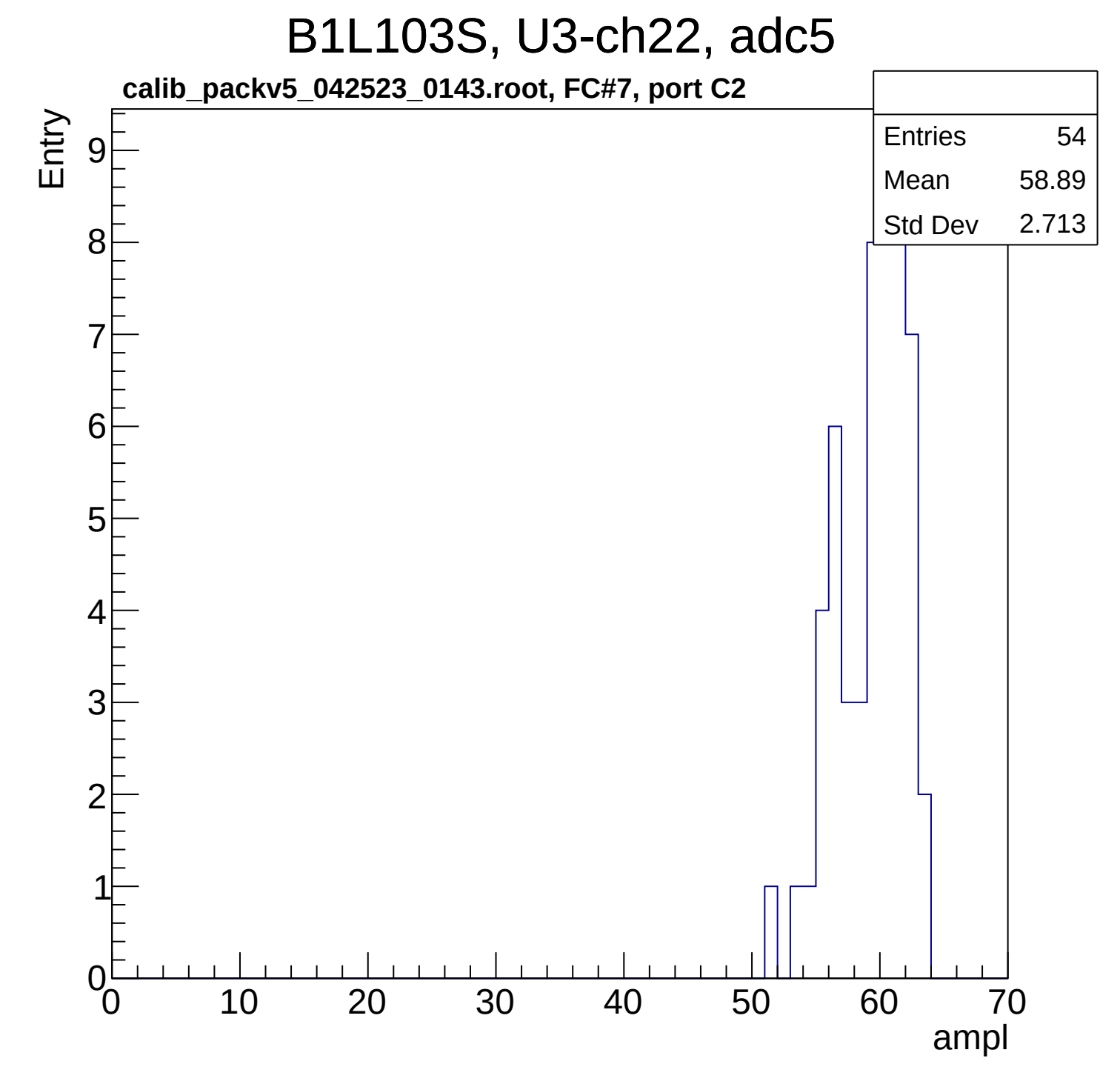
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch22, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.89
Std Dev 2.713
Entry
ampl
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2
3
4
5
6
7
8
9
0
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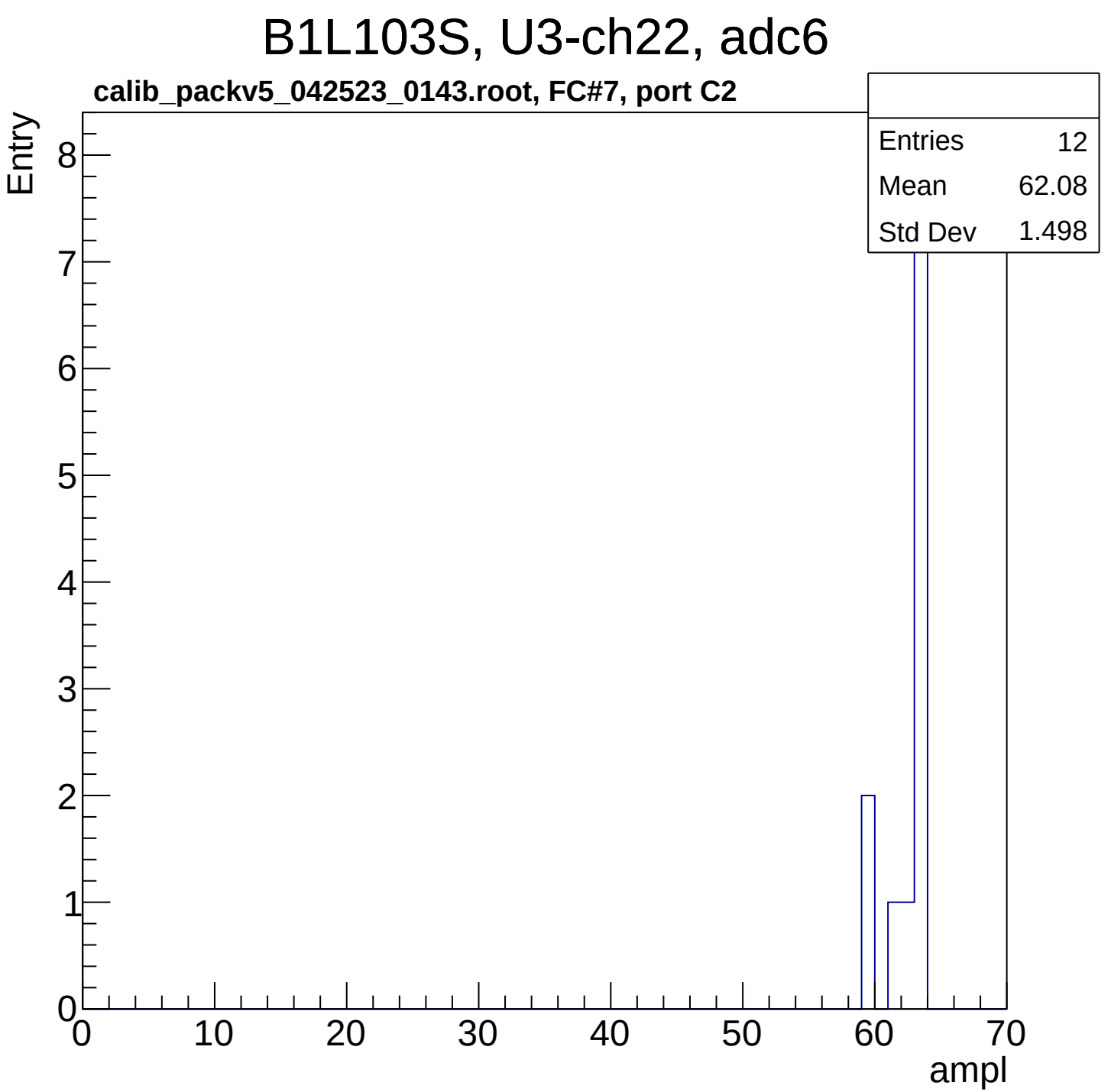
20
30
40
50
60
70


B1L103S, U3-ch22, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 62.08
Std Dev 1.498
Entry
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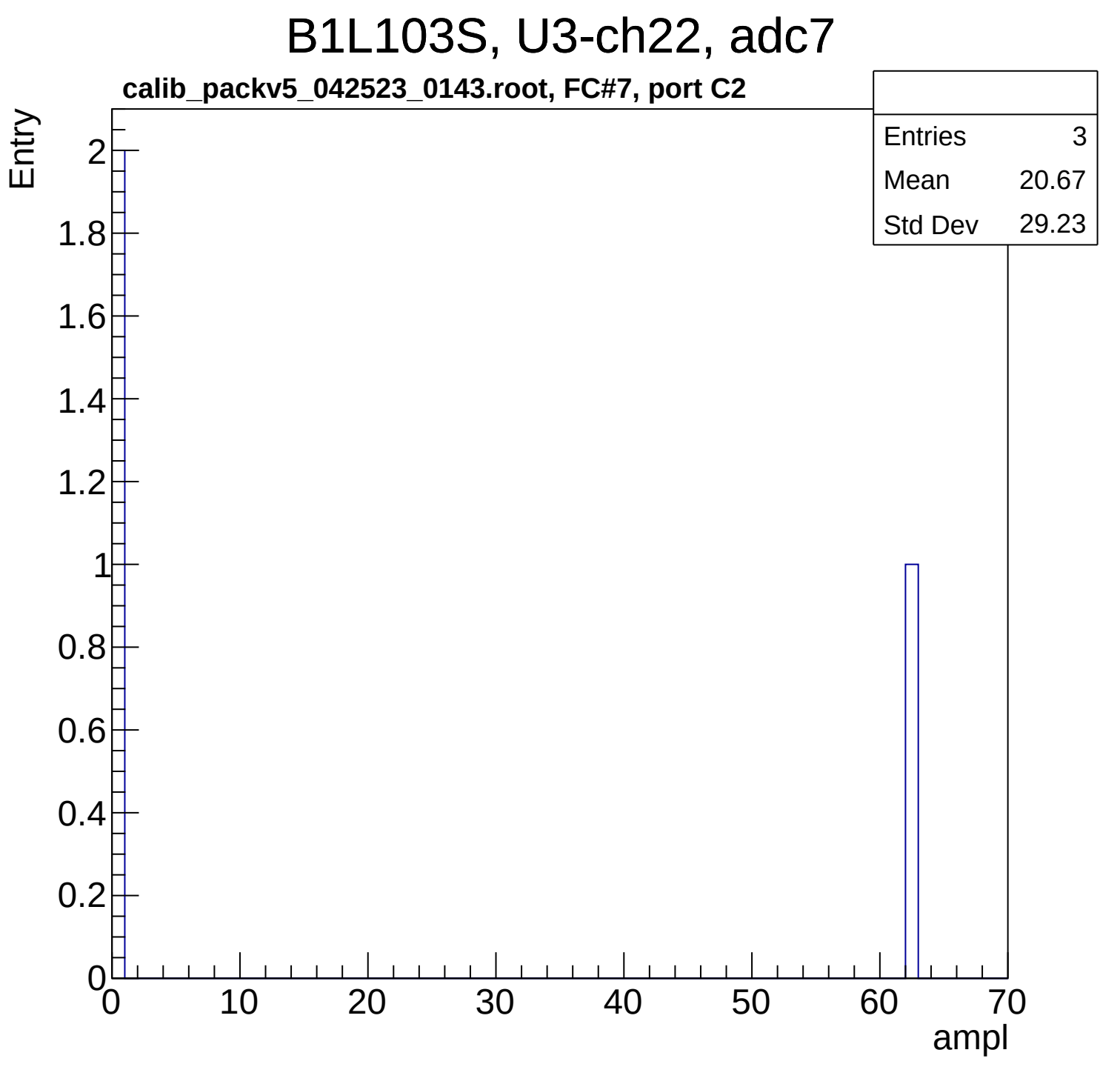
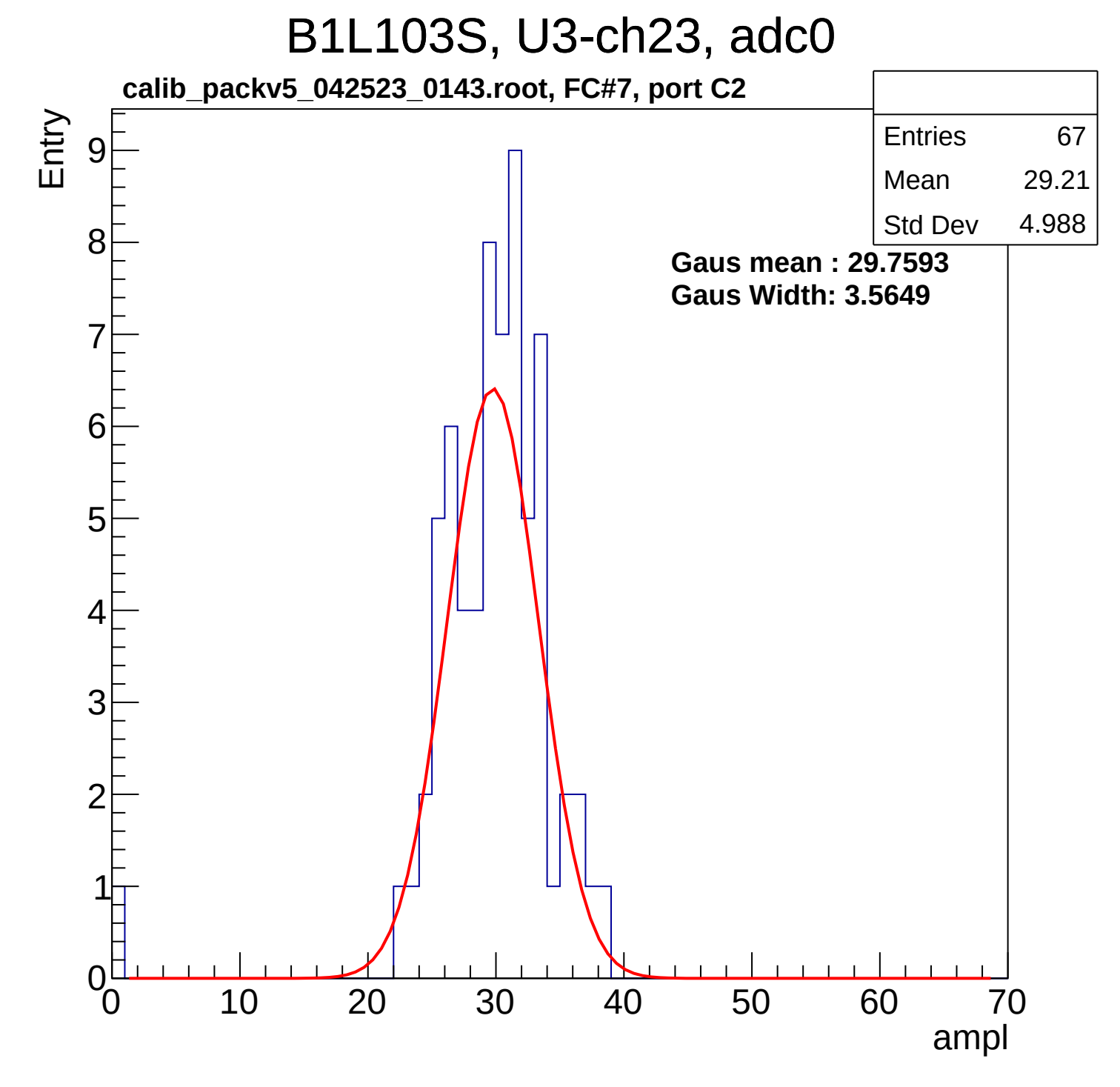
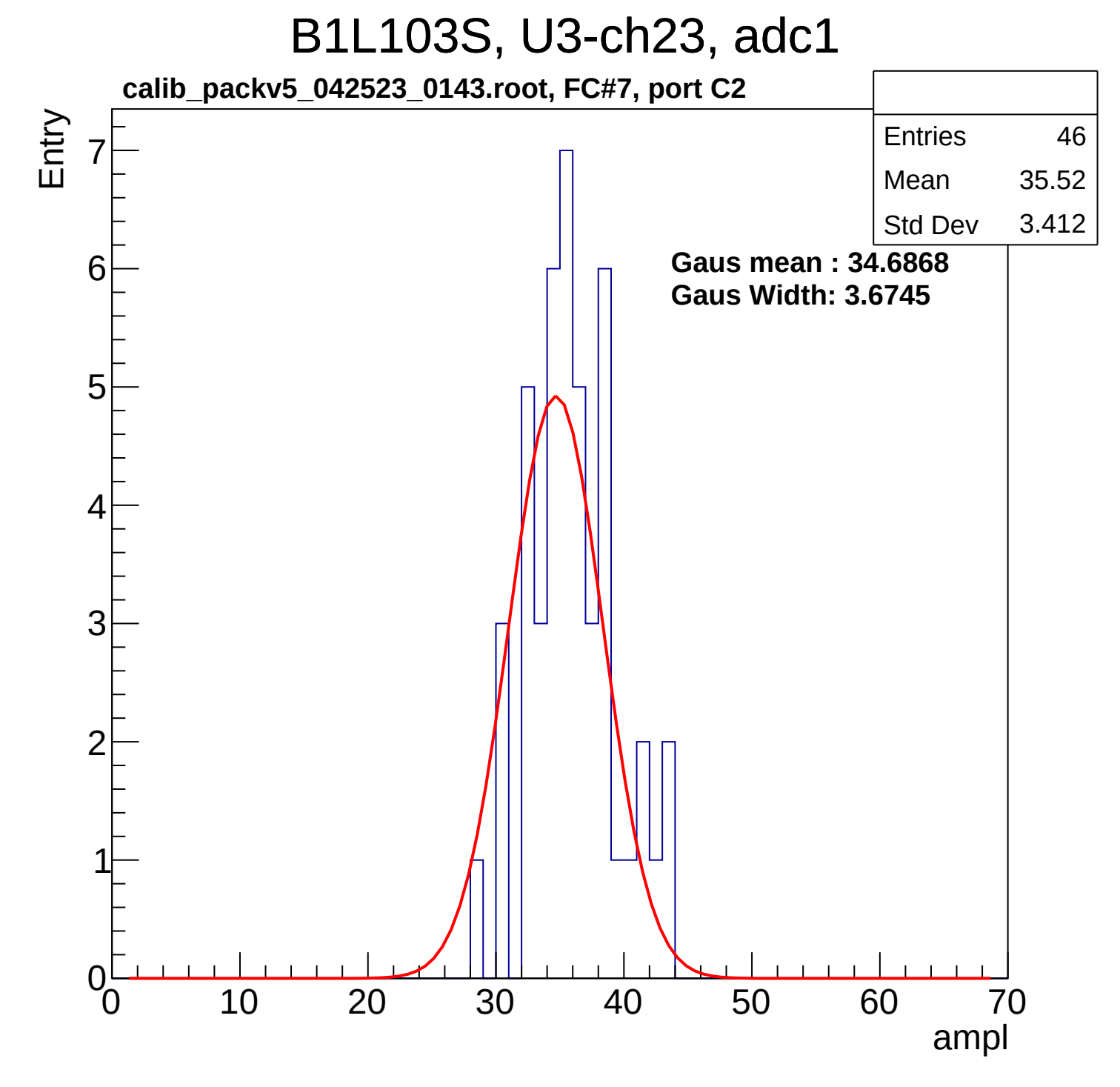
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch22, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 20.67
Std Dev 29.23
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


B1L103S, U3-ch23, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 29.21
Std Dev 4.988
Gaus mean : 29.7593
Gaus Width: 3.5649
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch23, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 35.52
Std Dev 3.412
Gaus mean : 34.6868
Gaus Width: 3.6745
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
30
40
50
60
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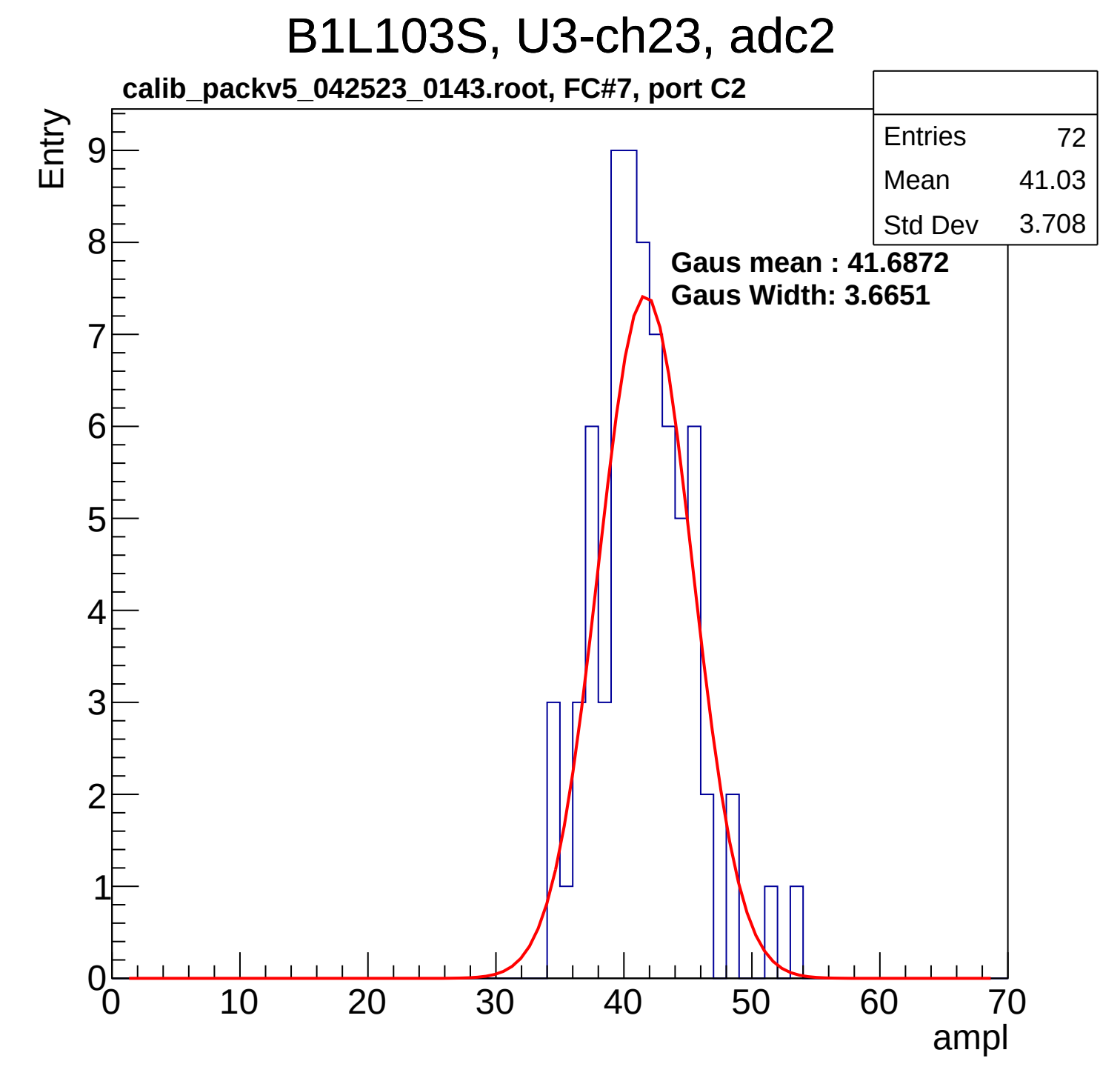
B1L103S, U3-ch23, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 41.03
Std Dev 3.708
Gaus mean : 41.6872
Gaus Width: 3.6651
Entry
ampl
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3
4
5
6
7
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9
0
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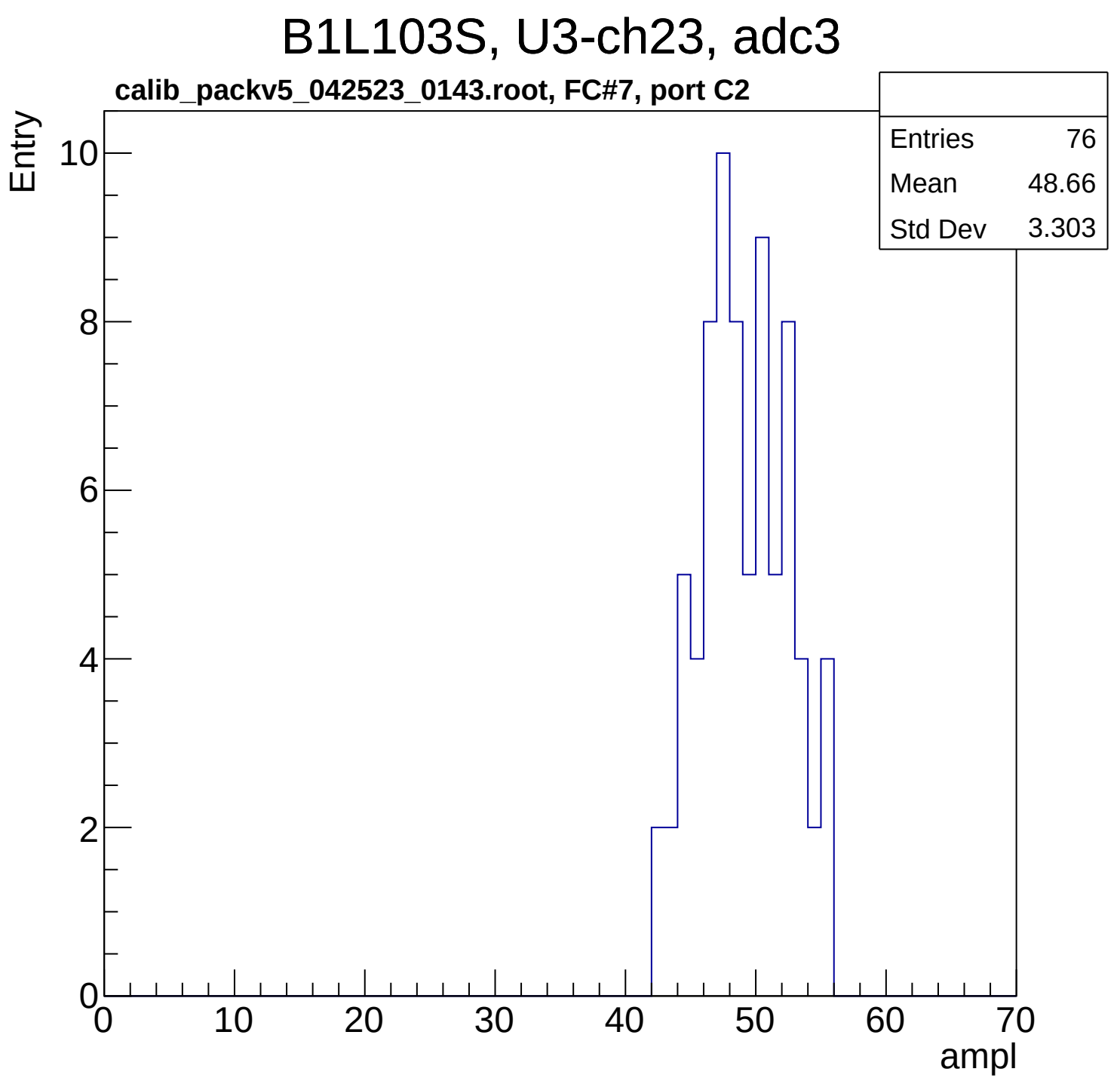
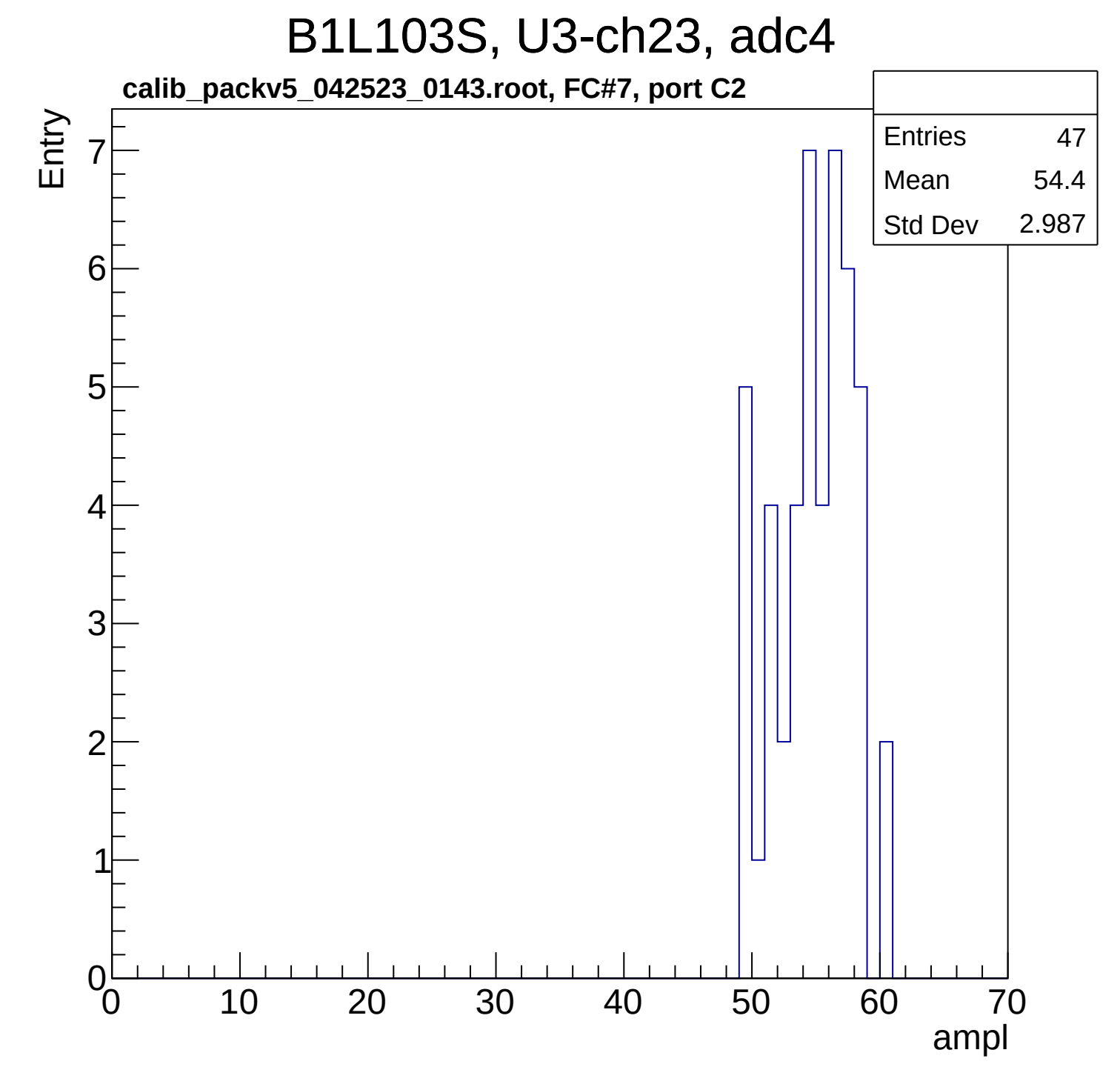
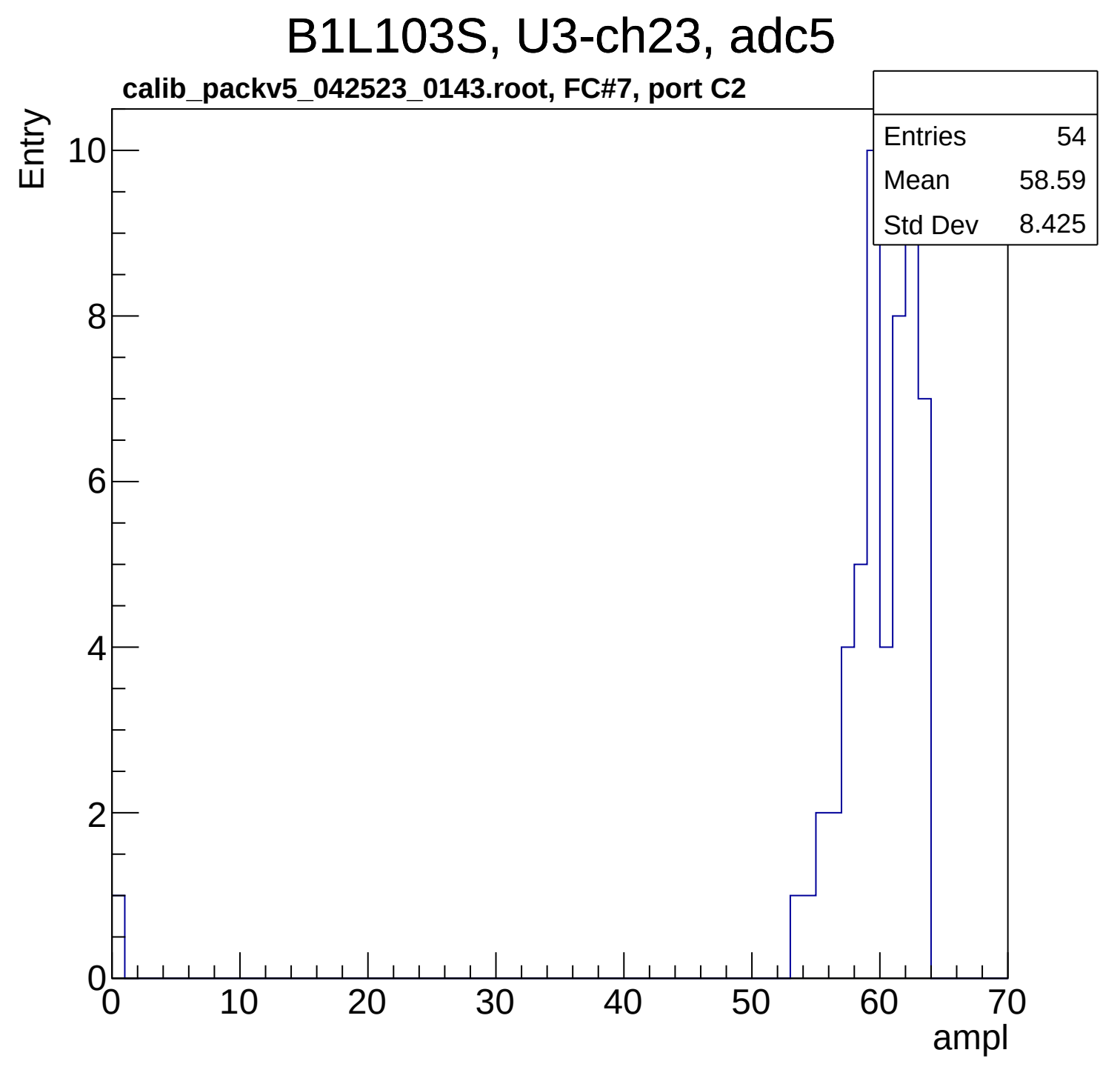
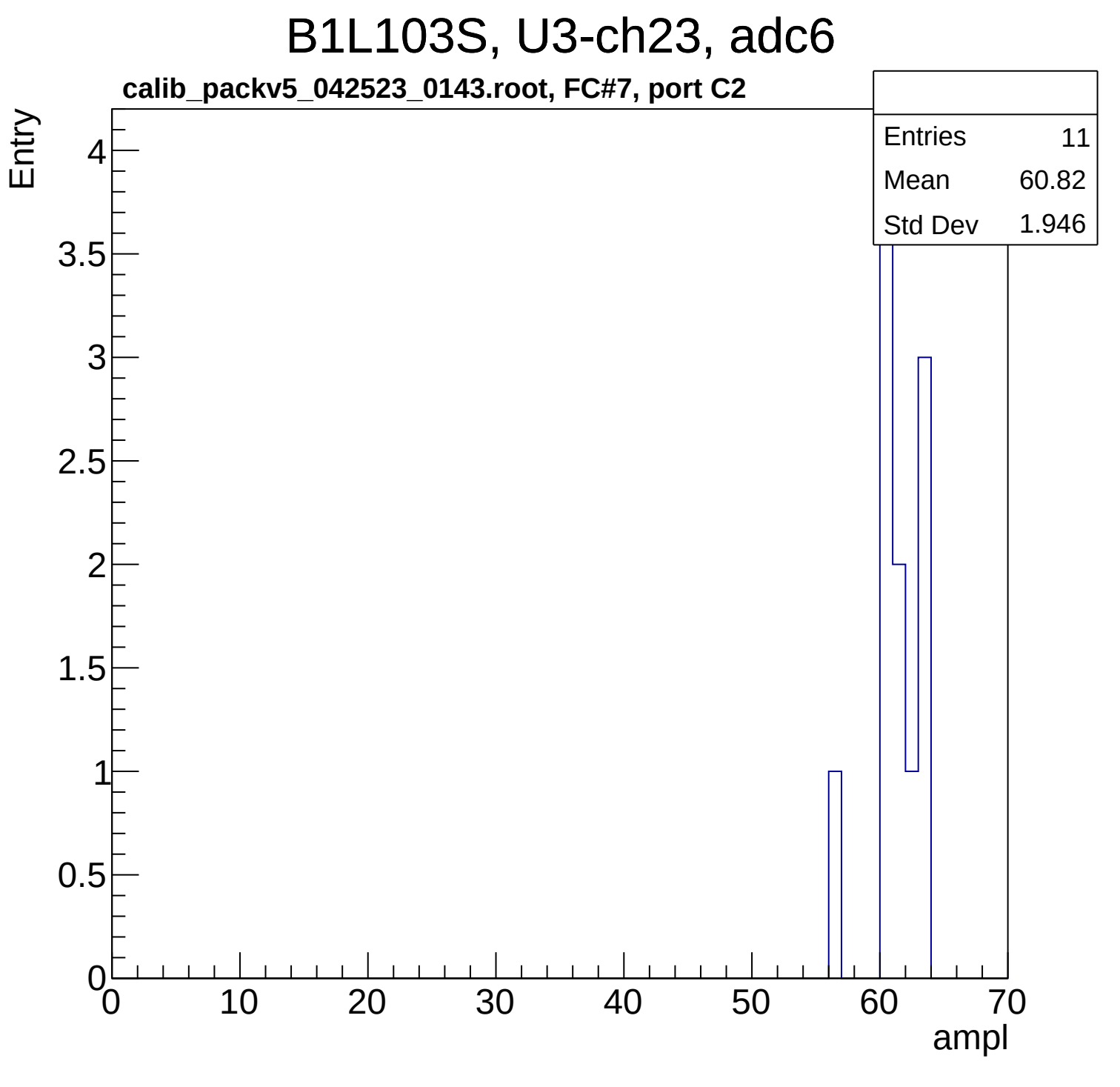

B1L103S, U3-ch23, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 48.66
Std Dev 3.303
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch23, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 54.4
Std Dev 2.987
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch23, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.59
Std Dev 8.425
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch23, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 60.82
Std Dev 1.946
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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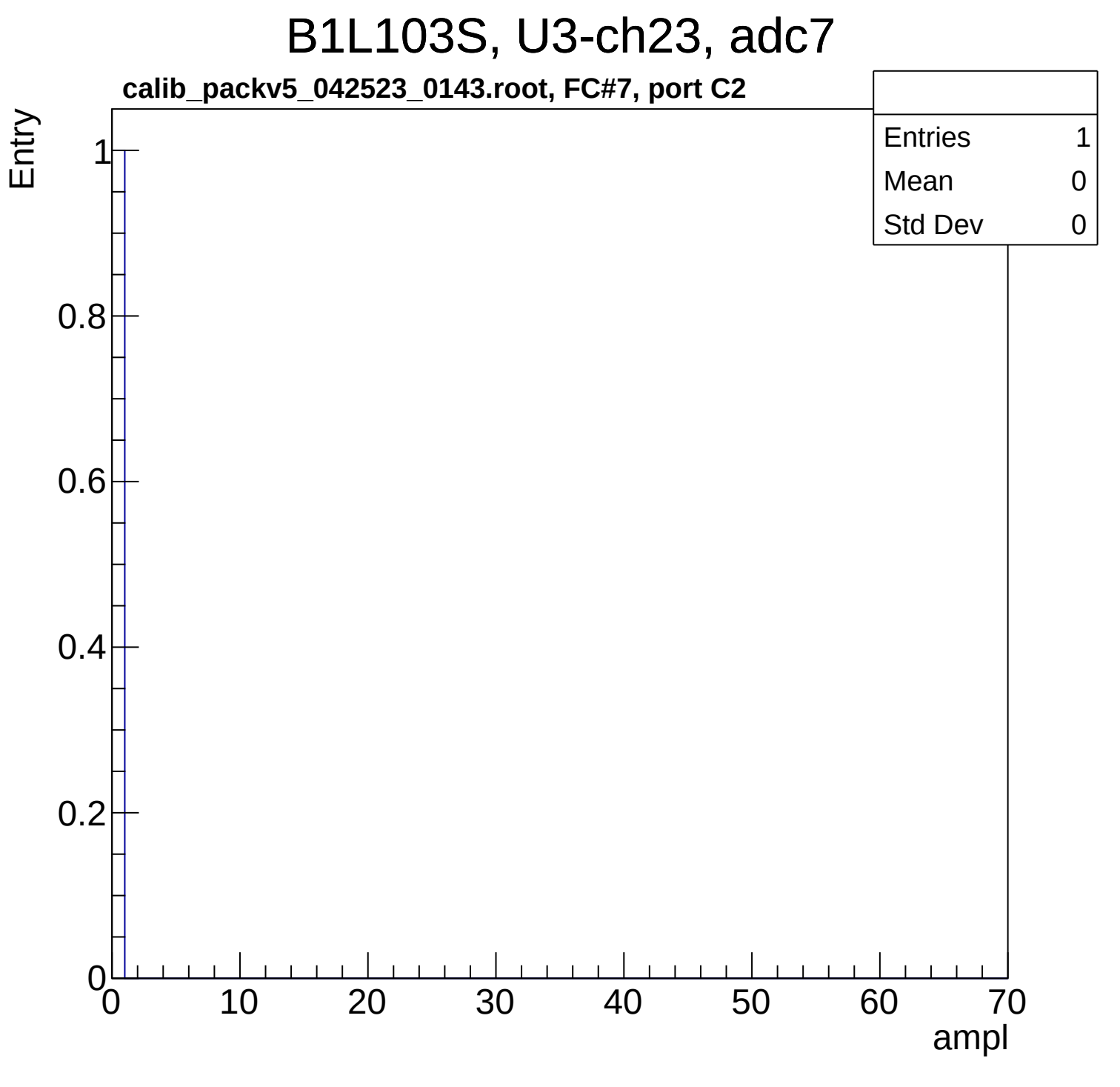
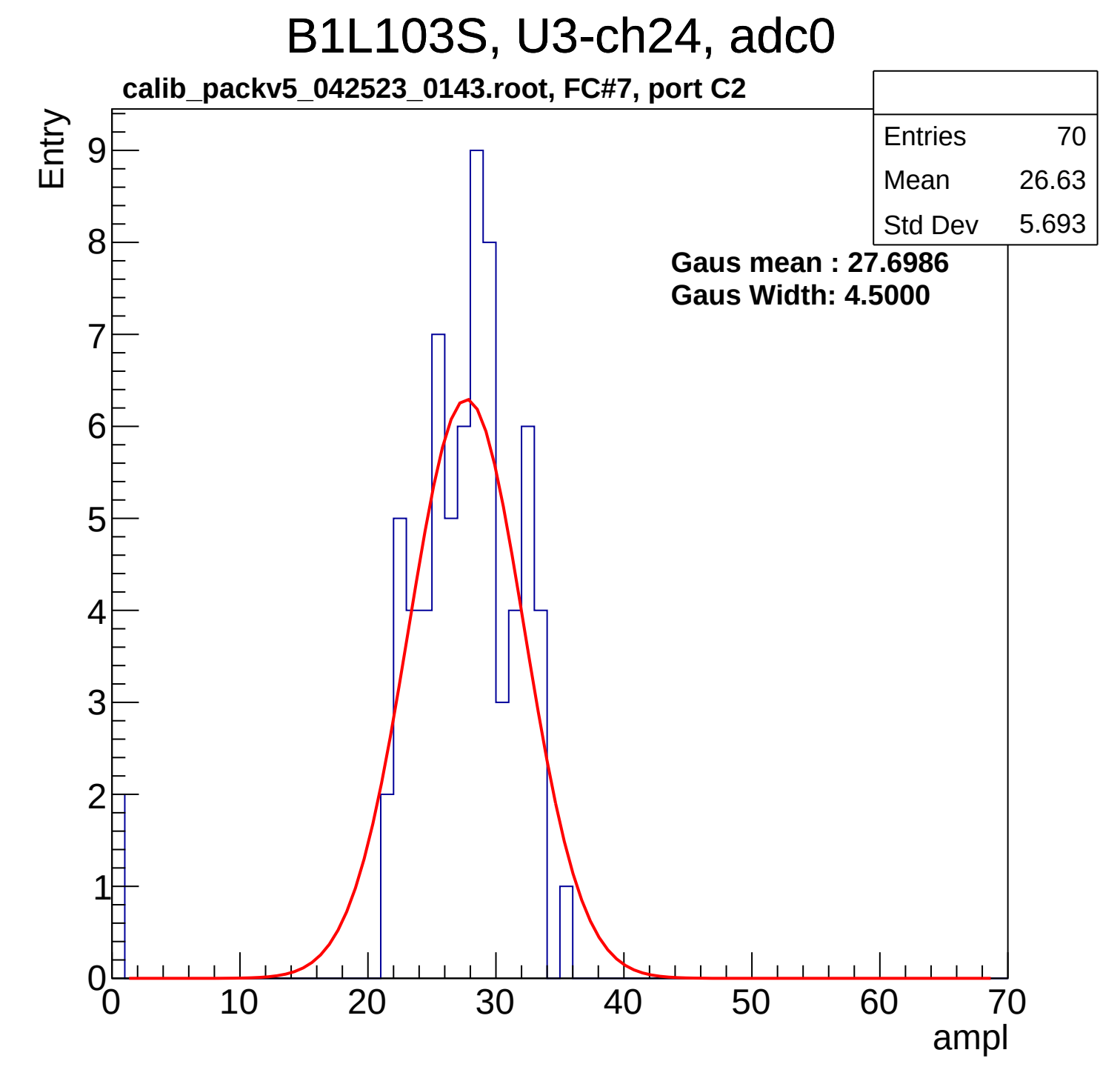
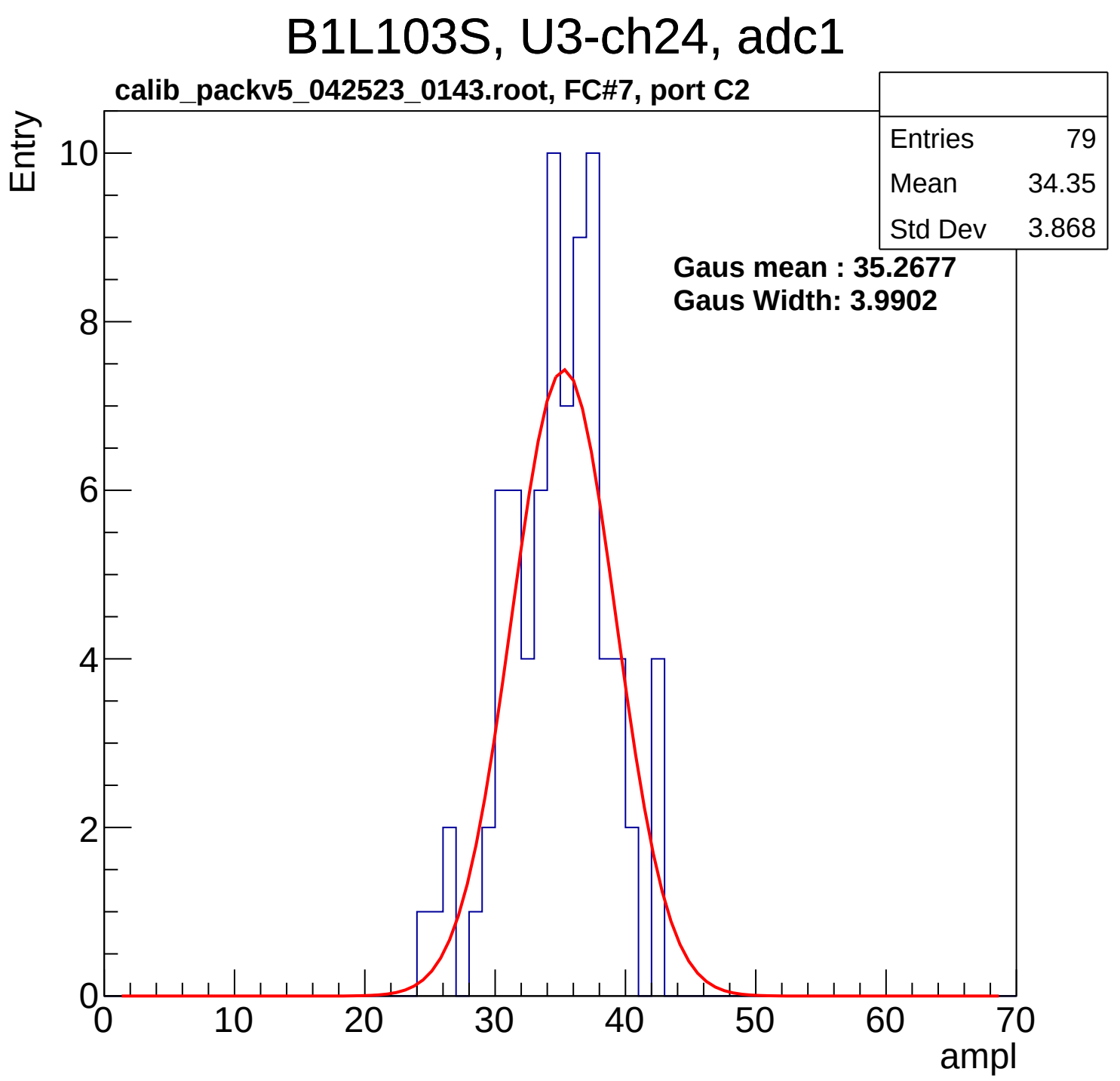
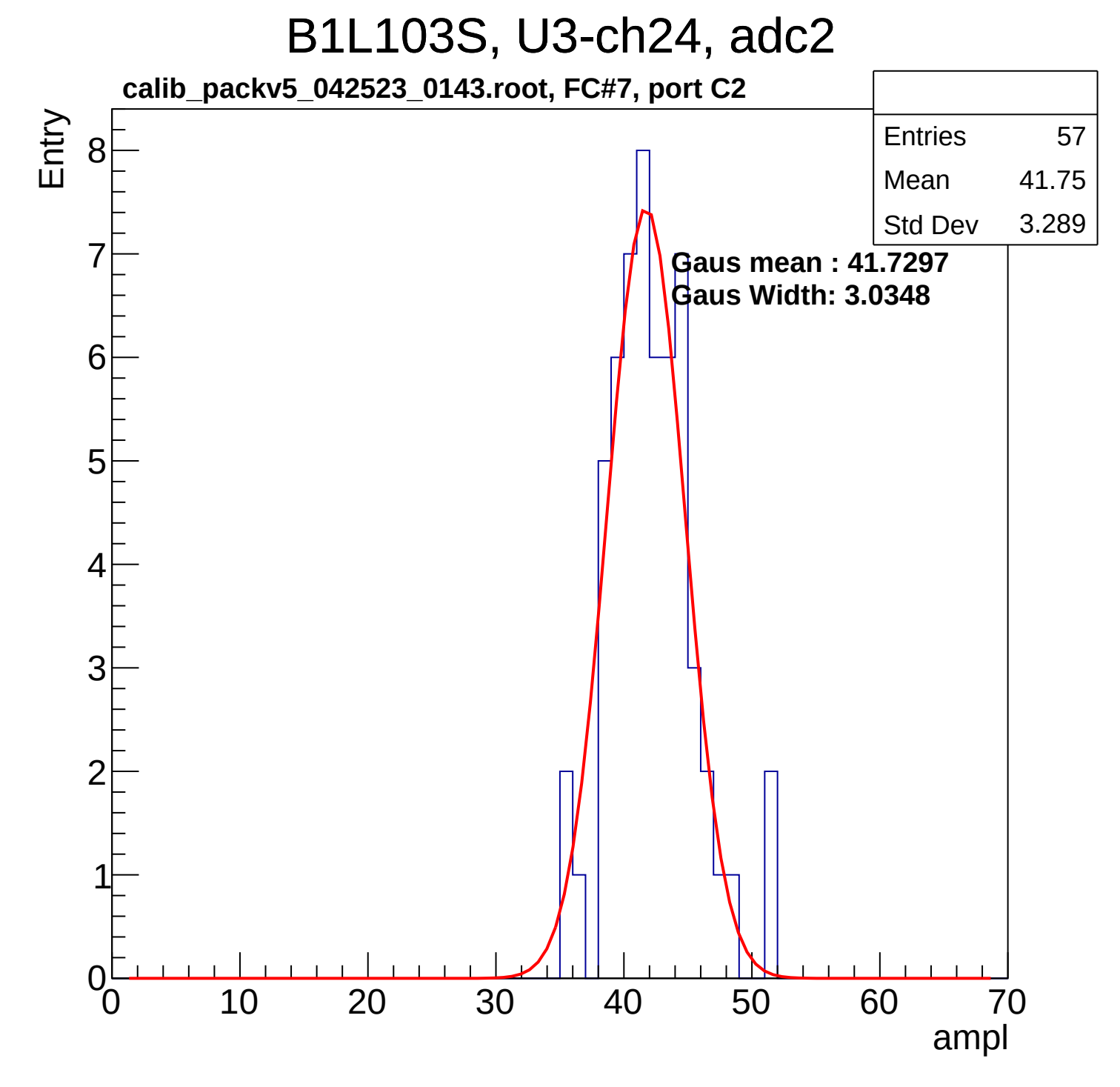
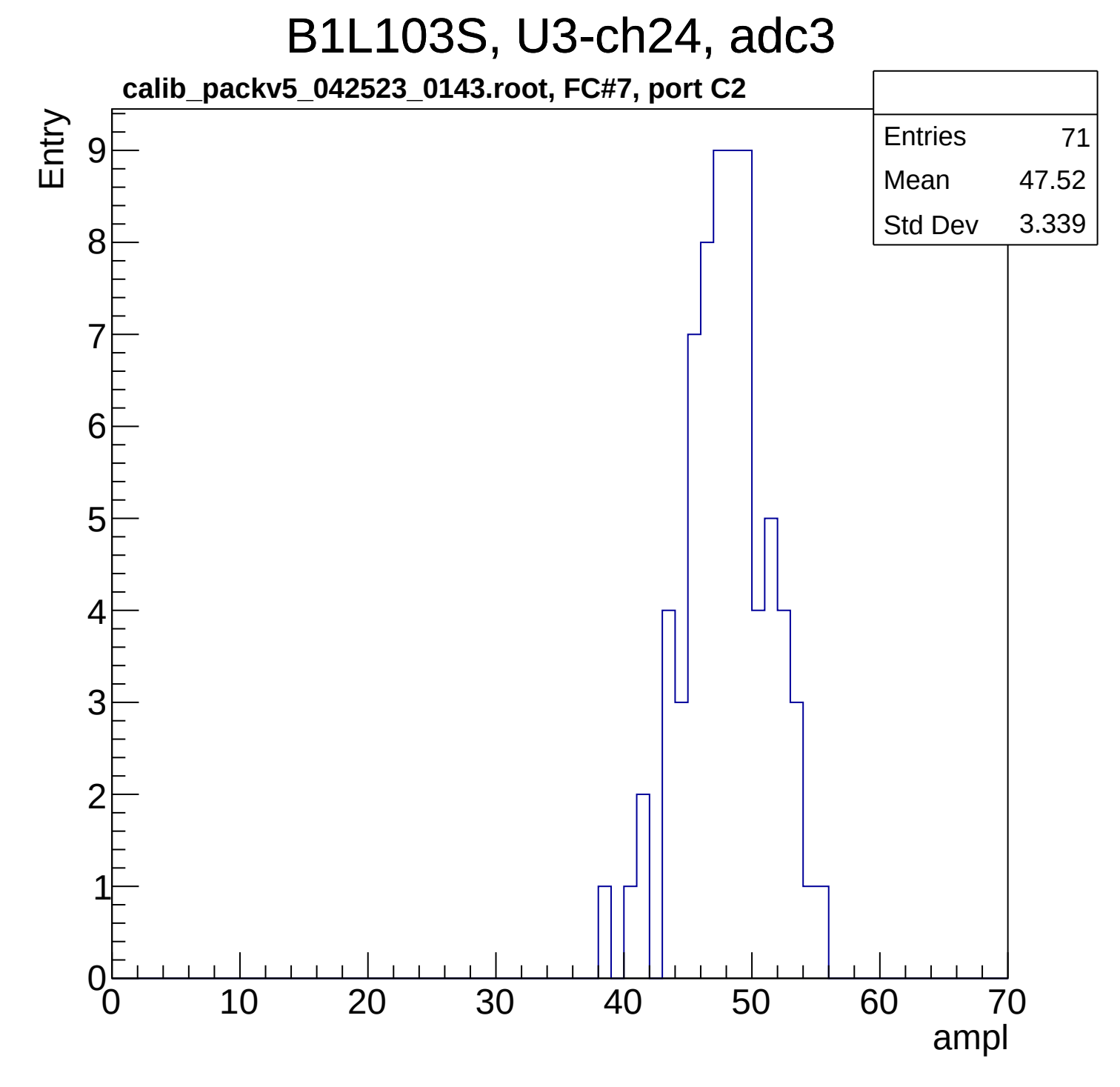

B1L103S, U3-ch23, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch24, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 26.63
Std Dev 5.693
Gaus mean : 27.6986
Gaus Width: 4.5000
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch24, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 34.35
Std Dev 3.868
Gaus mean : 35.2677
Gaus Width: 3.9902
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch24, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 41.75
Std Dev 3.289
Gaus mean : 41.7297
Gaus Width: 3.0348
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch24, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 47.52
Std Dev 3.339
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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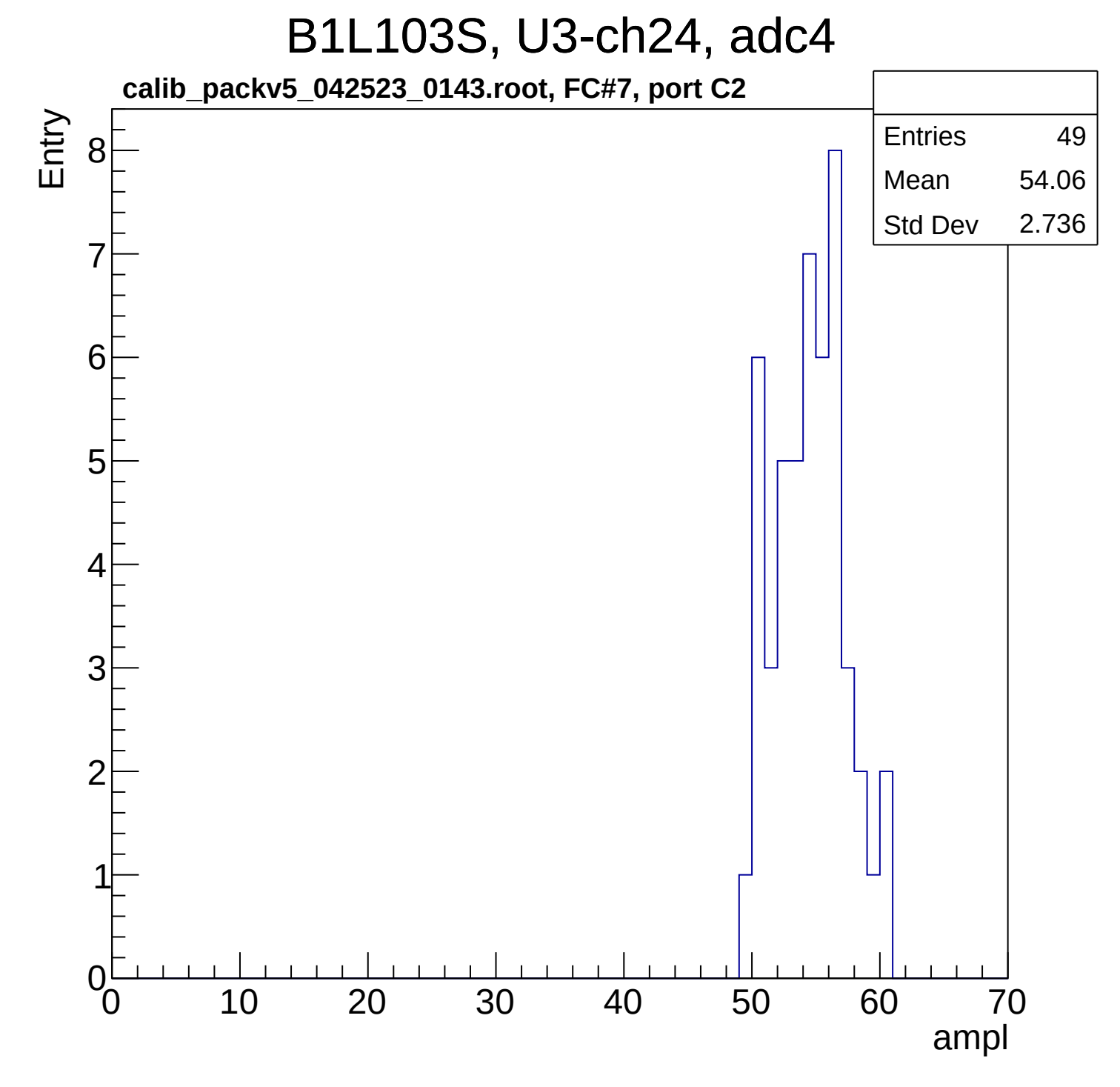
40
50
60
70


B1L103S, U3-ch24, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 54.06
Std Dev 2.736
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
30
40
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60
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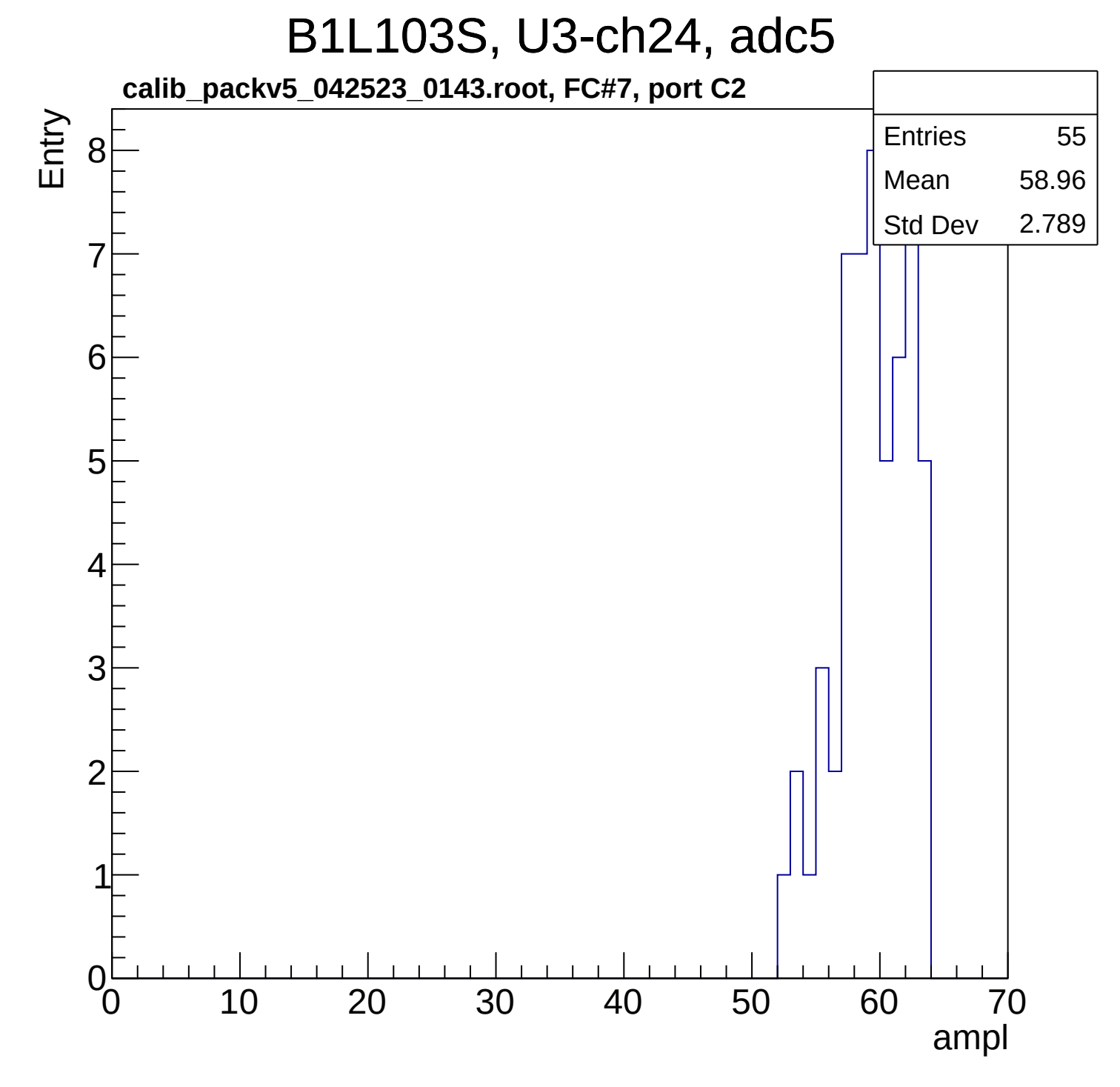
B1L103S, U3-ch24, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 58.96
Std Dev 2.789
Entry
ampl
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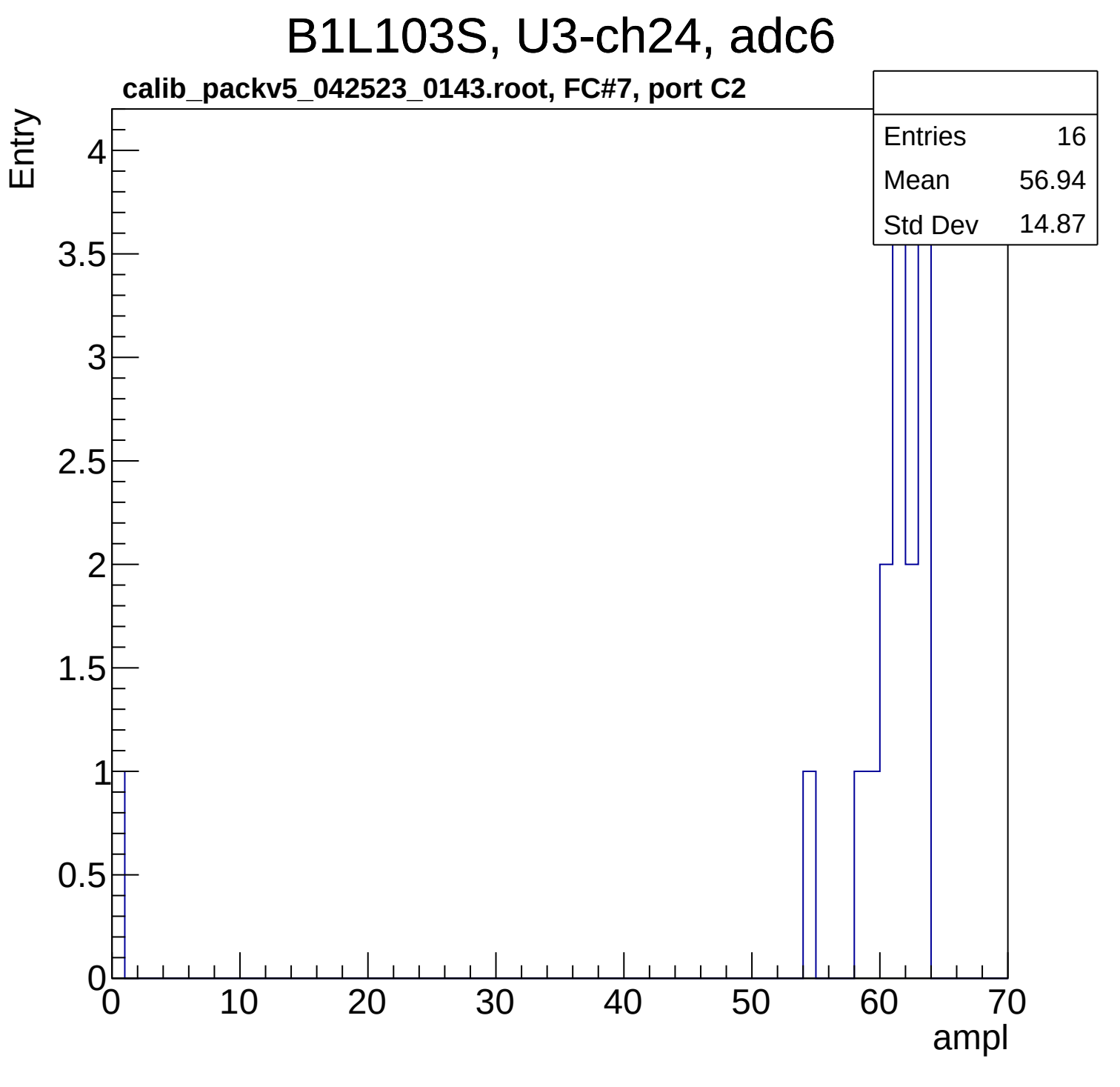
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch24, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 56.94
Std Dev 14.87
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
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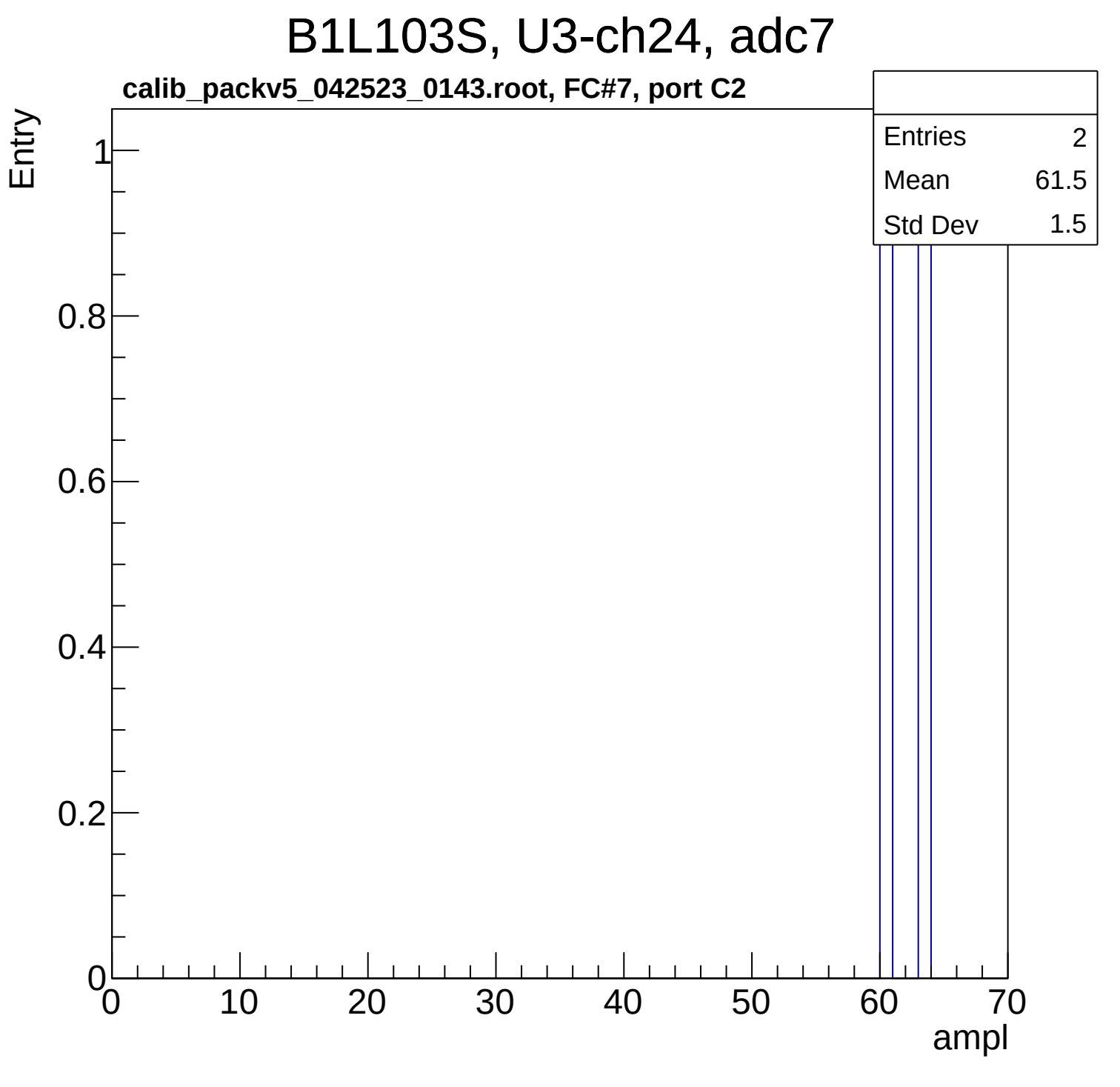
40
50
60
70


B1L103S, U3-ch24, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 61.5
Std Dev 1.5
Entry
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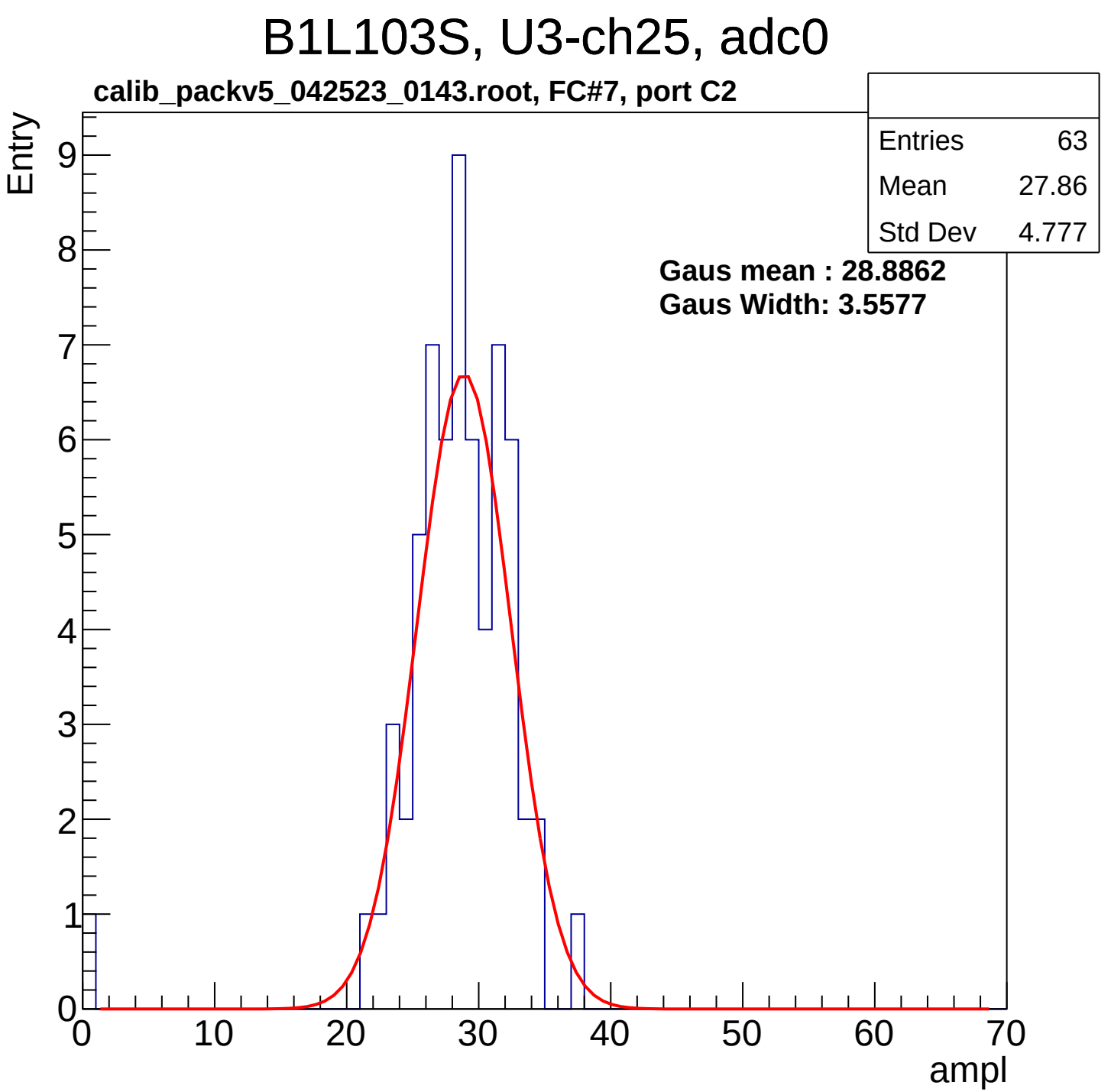
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch25, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 27.86
Std Dev 4.777
Gaus mean : 28.8862
Gaus Width: 3.5577
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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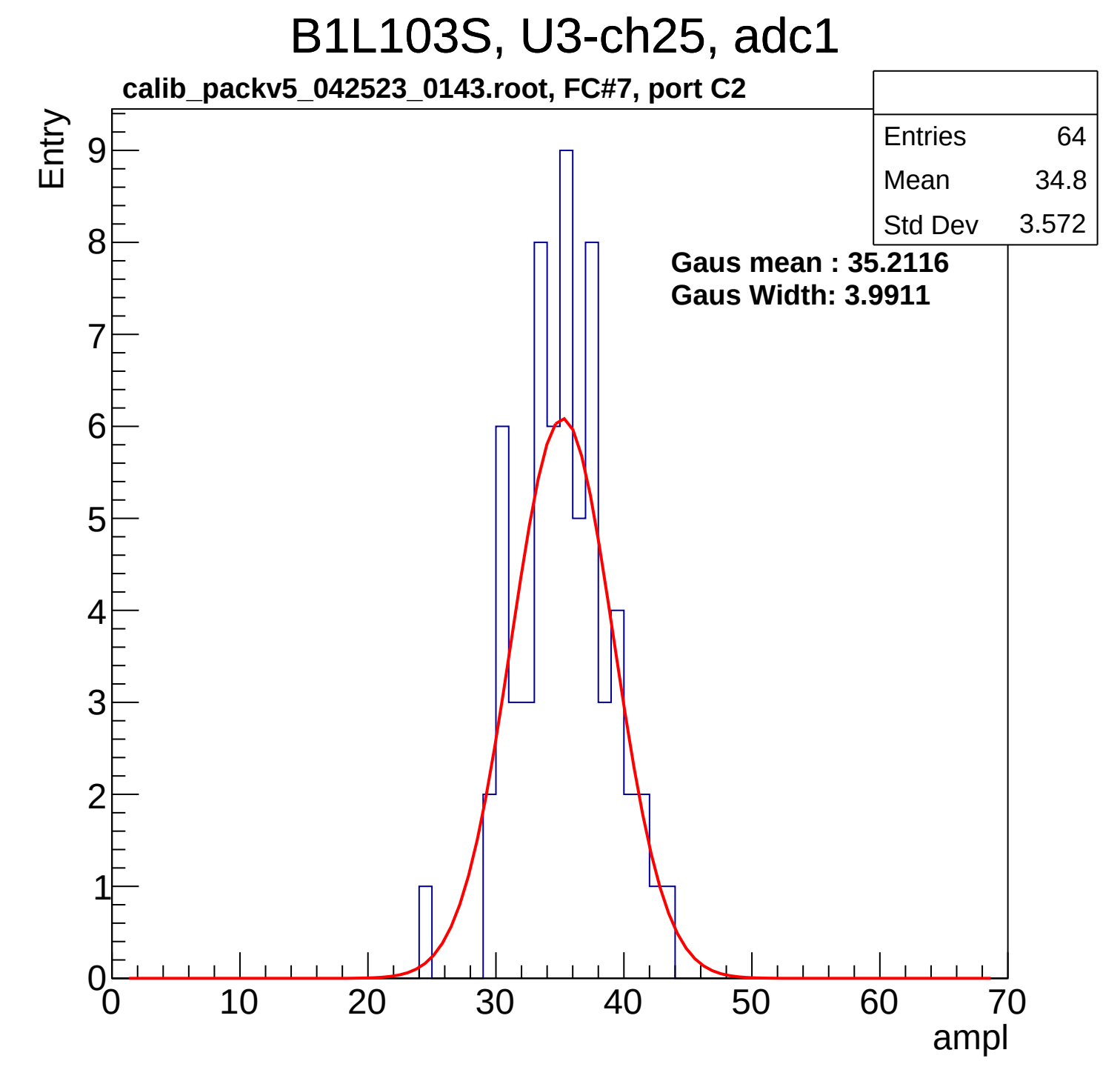
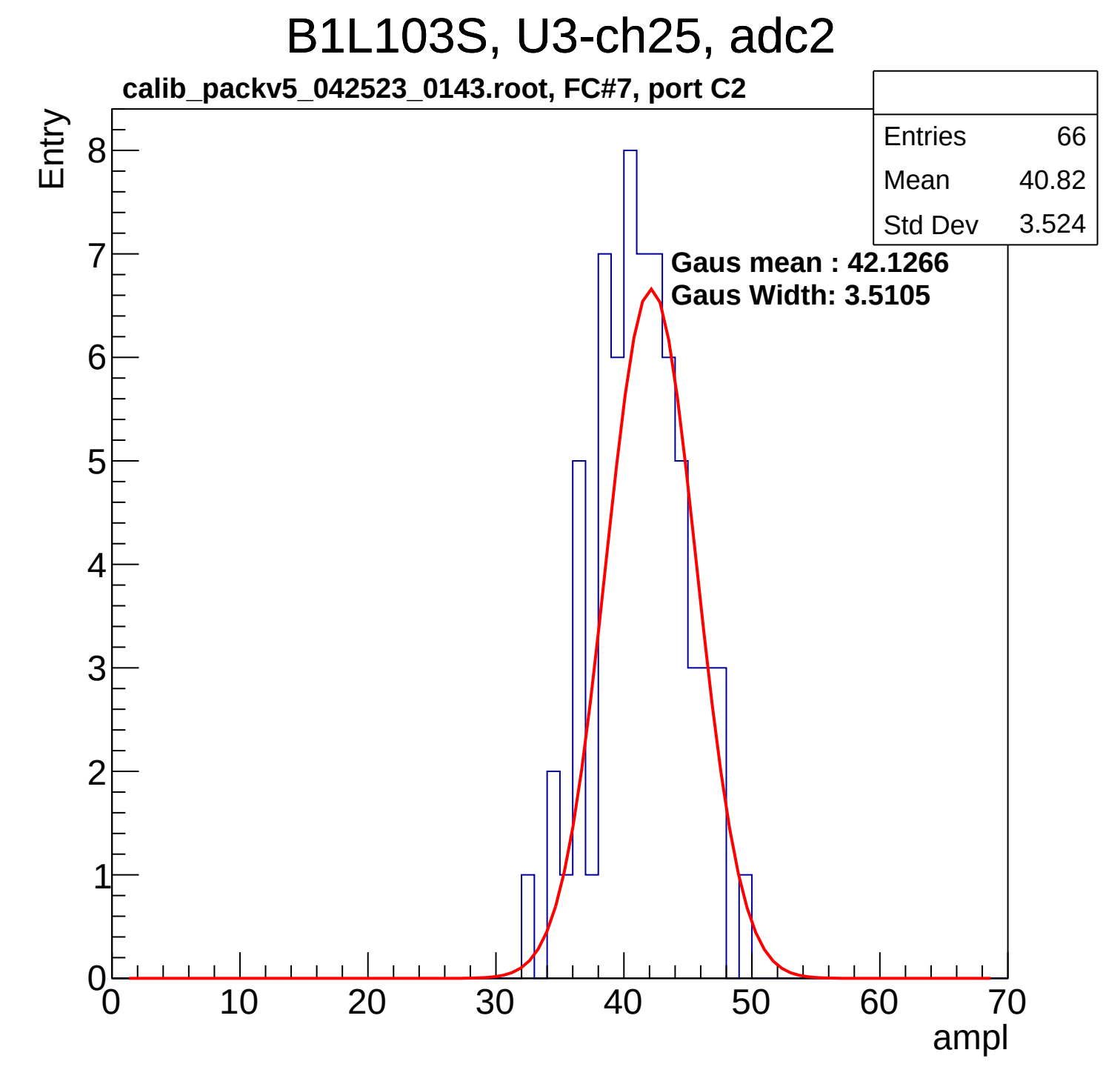
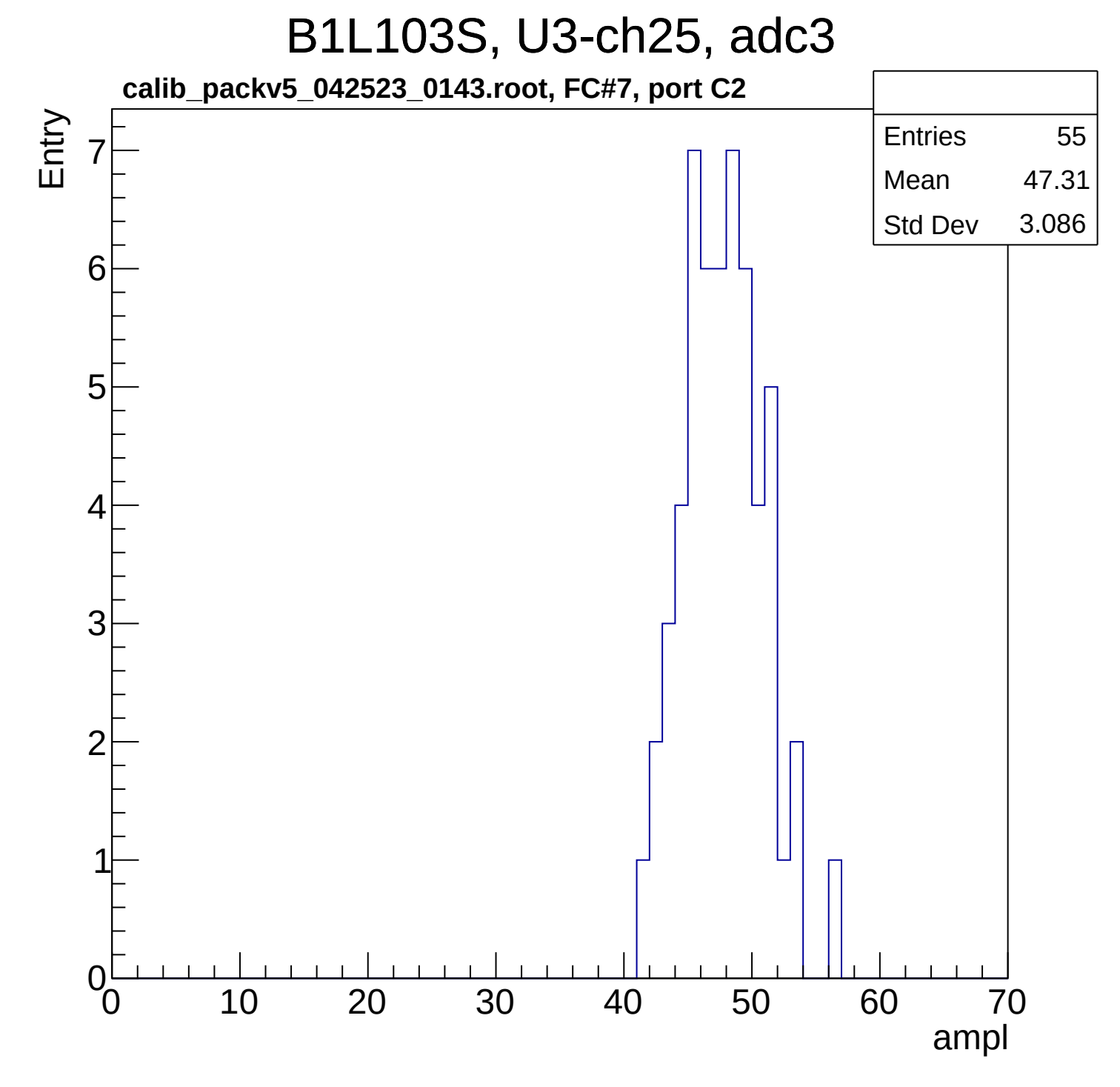

B1L103S, U3-ch25, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 34.8
Std Dev 3.572
Gaus mean : 35.2116
Gaus Width: 3.9911
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch25, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 40.82
Std Dev 3.524
Gaus mean : 42.1266
Gaus Width: 3.5105
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch25, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 47.31
Std Dev 3.086
Entry
ampl
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1
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3
4
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0
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20
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40
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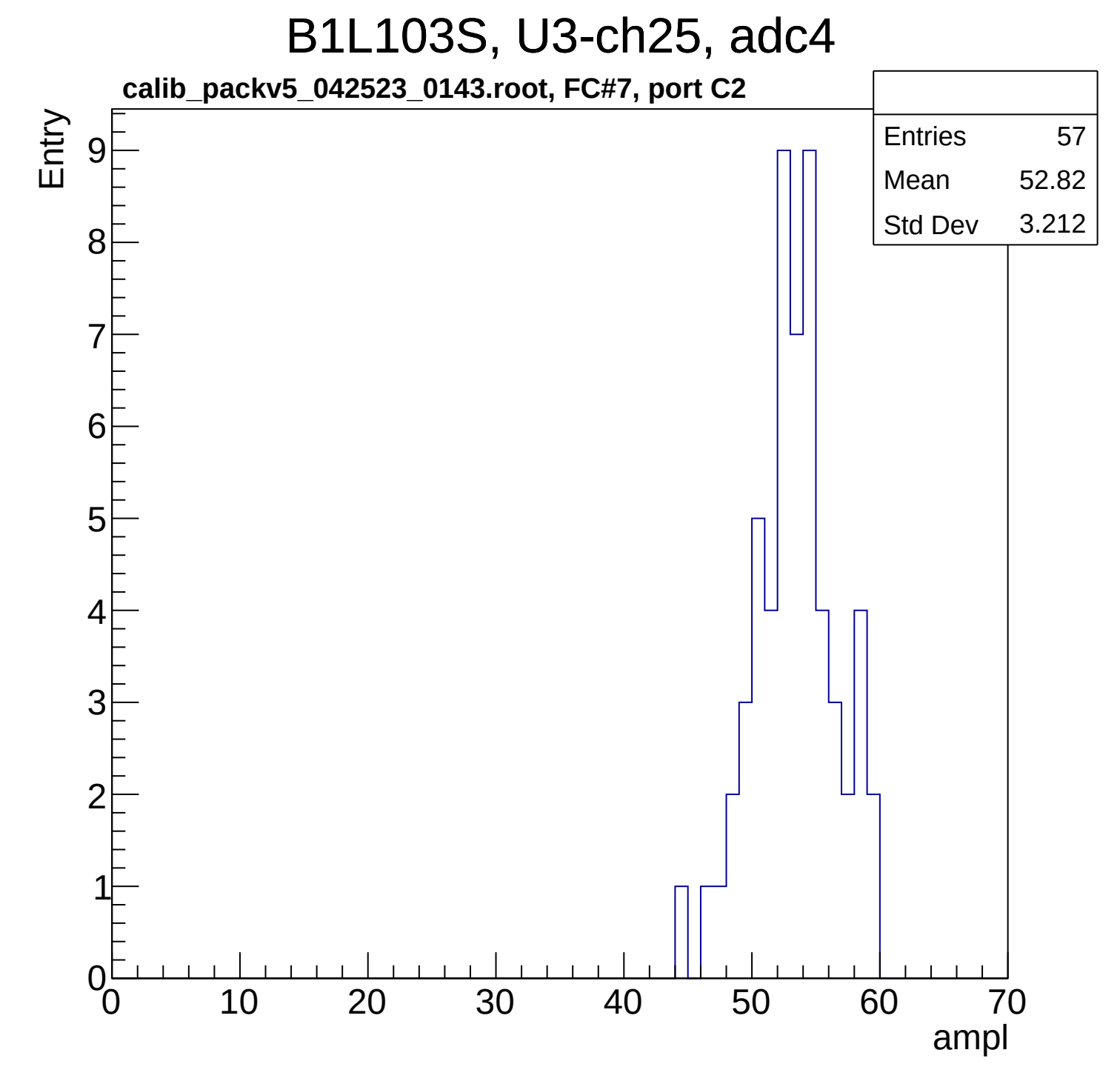
60
70


B1L103S, U3-ch25, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 52.82
Std Dev 3.212
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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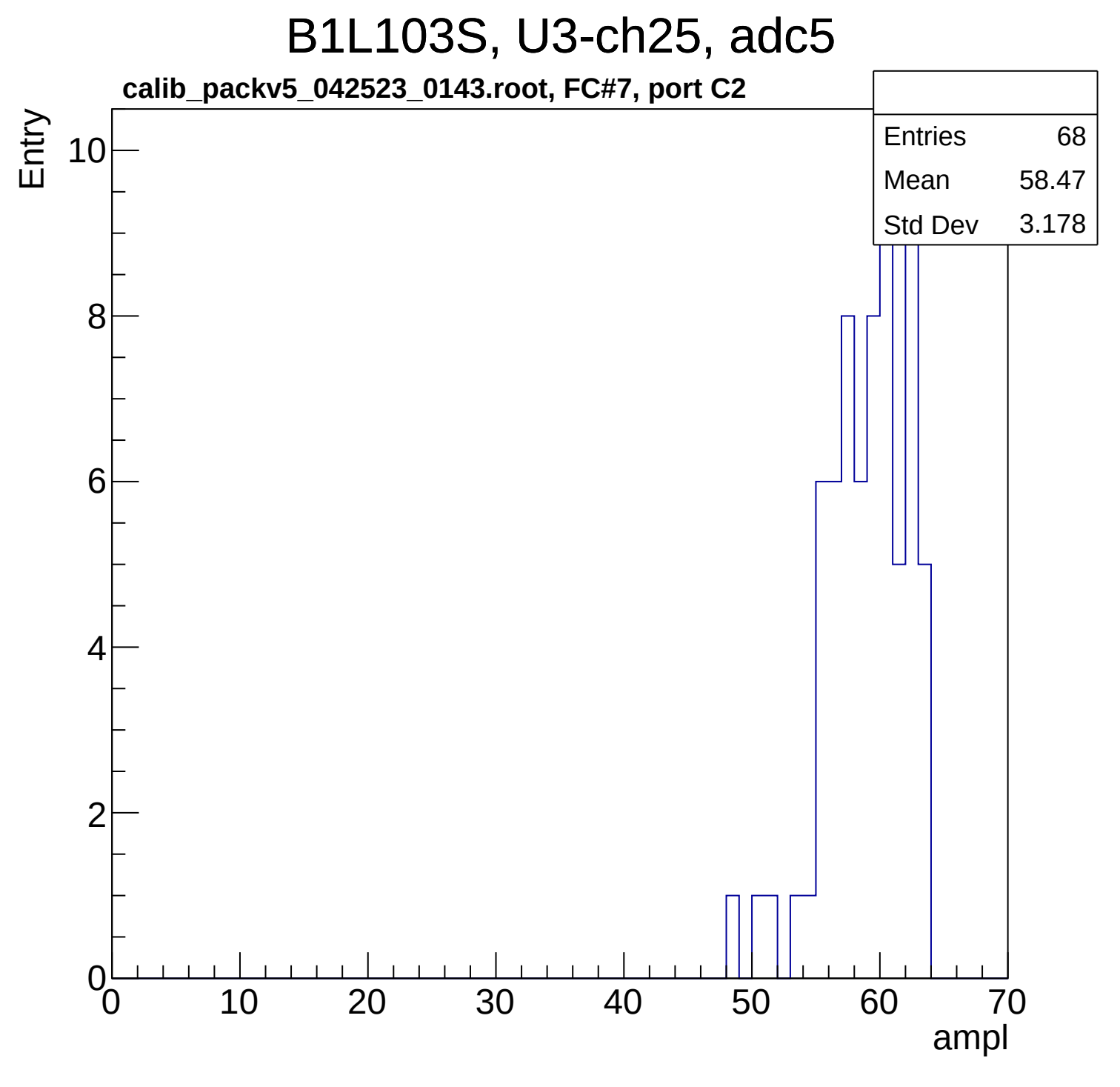
B1L103S, U3-ch25, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 58.47
Std Dev 3.178
Entry
ampl
0
2
4
6
8
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0
10
20
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40
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60
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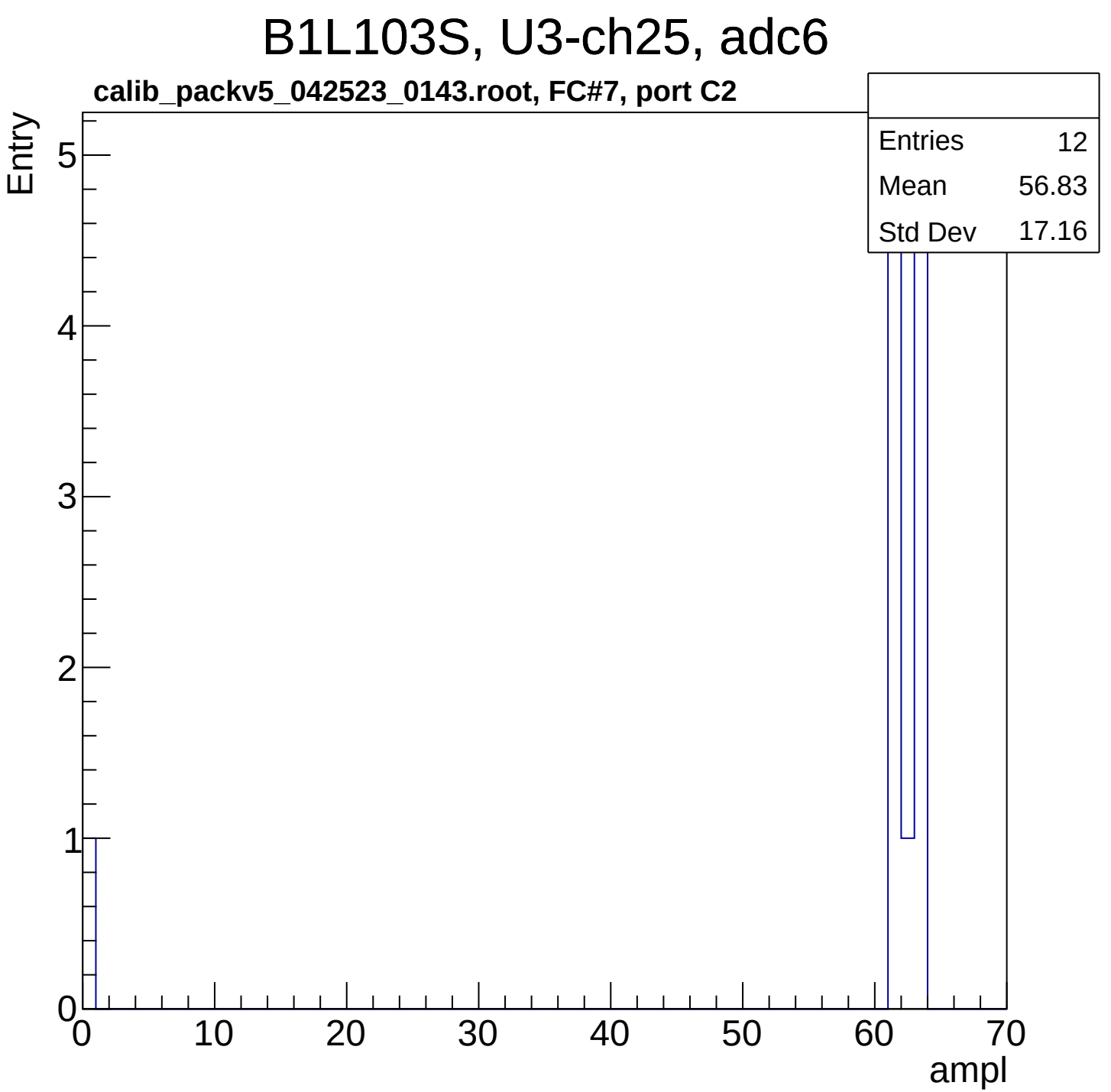
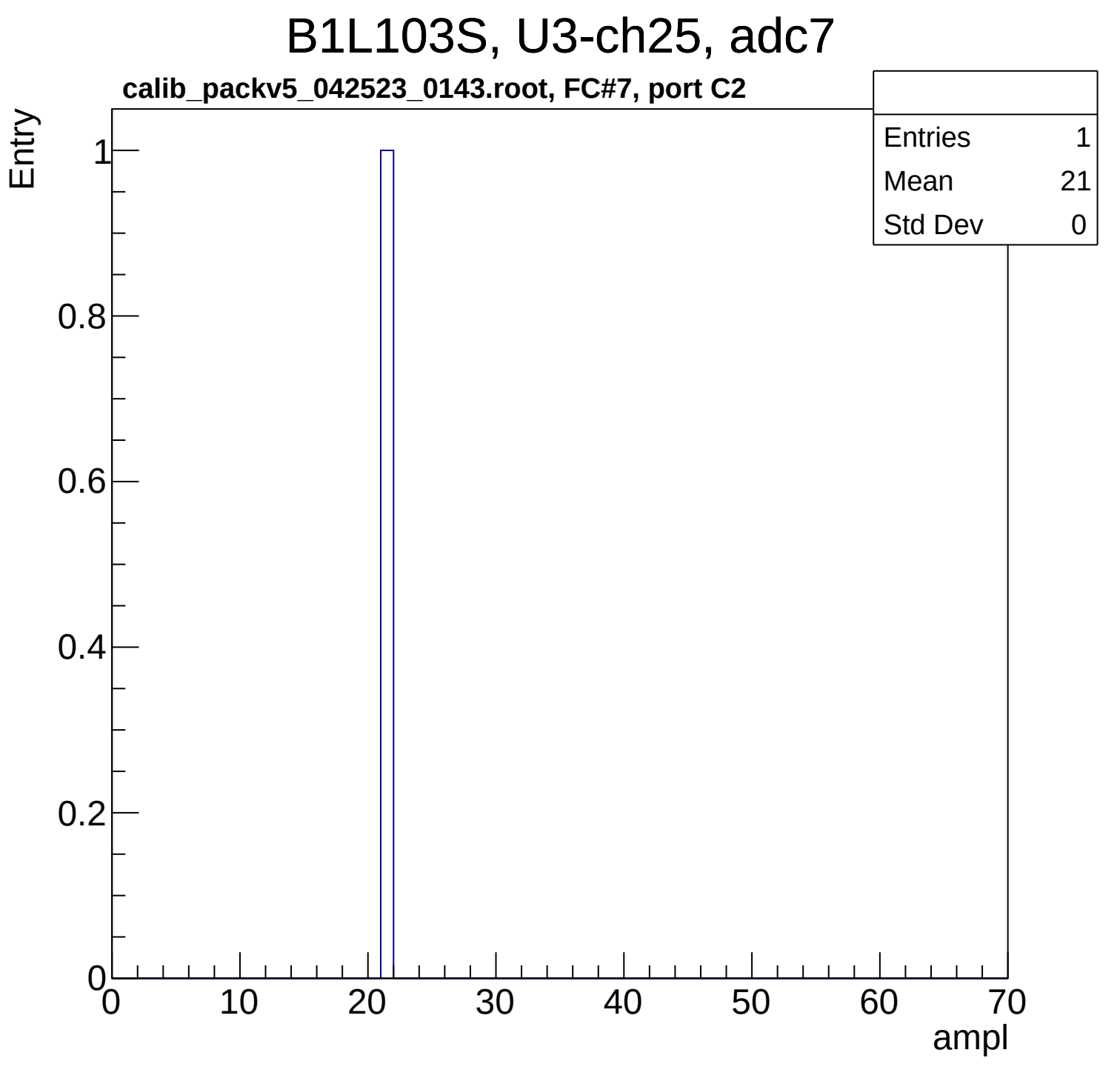
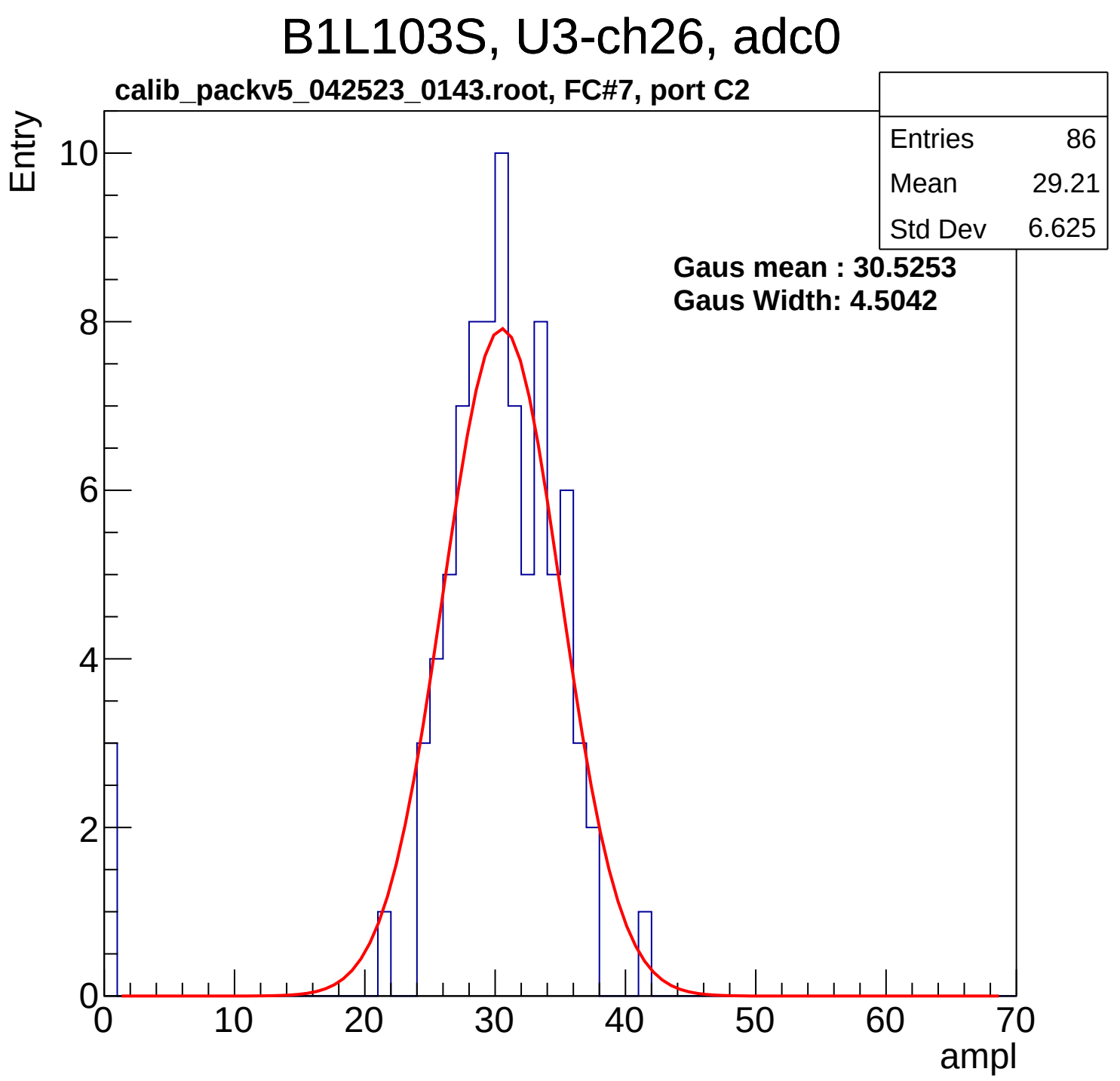
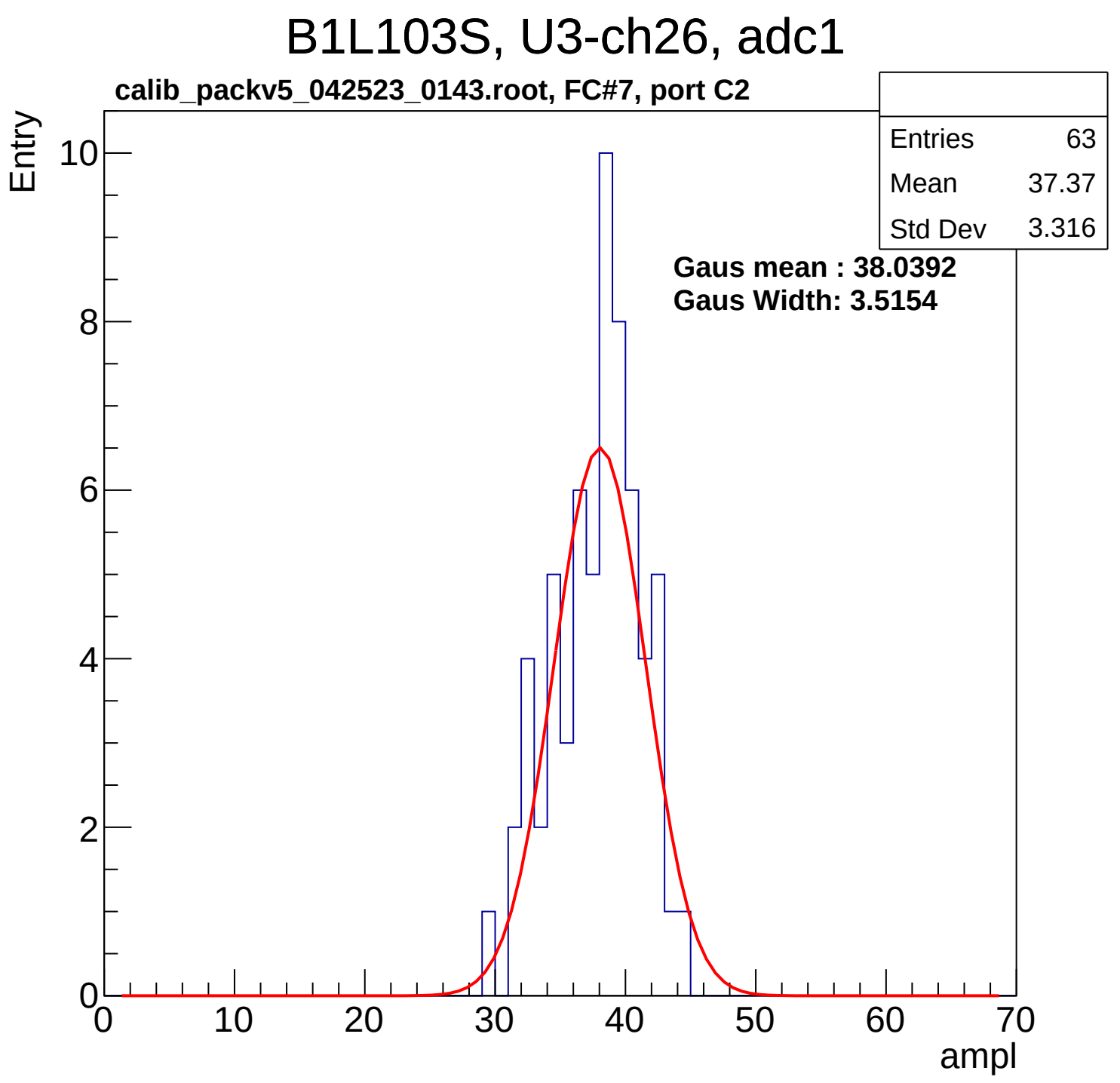
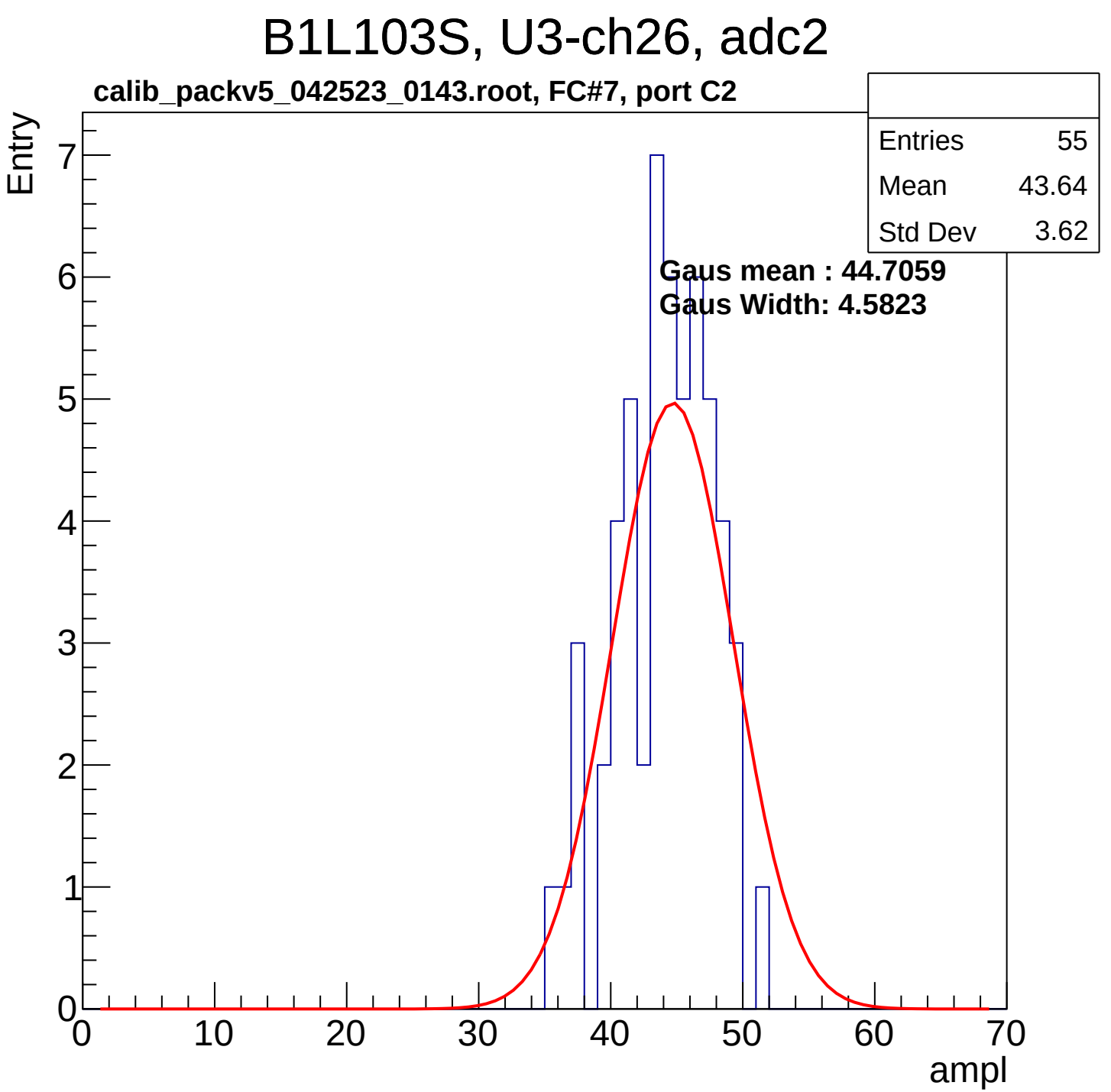
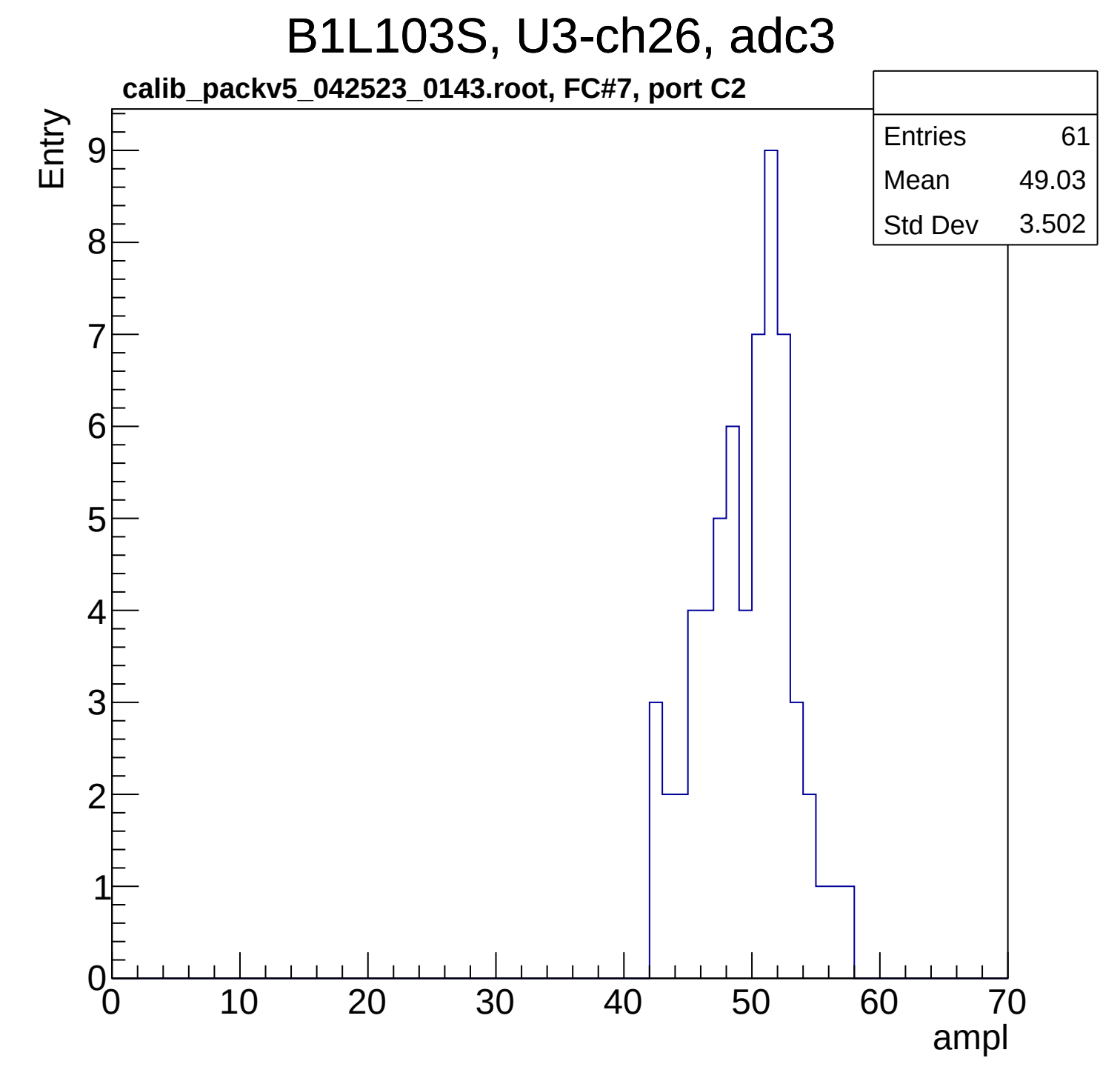

B1L103S, U3-ch25, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 56.83
Std Dev 17.16
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch25, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 21
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch26, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 86
Mean 29.21
Std Dev 6.625
Gaus mean : 30.5253
Gaus Width: 4.5042
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch26, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 37.37
Std Dev 3.316
Gaus mean : 38.0392
Gaus Width: 3.5154
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch26, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 43.64
Std Dev 3.62
Gaus mean : 44.7059
Gaus Width: 4.5823
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch26, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 49.03
Std Dev 3.502
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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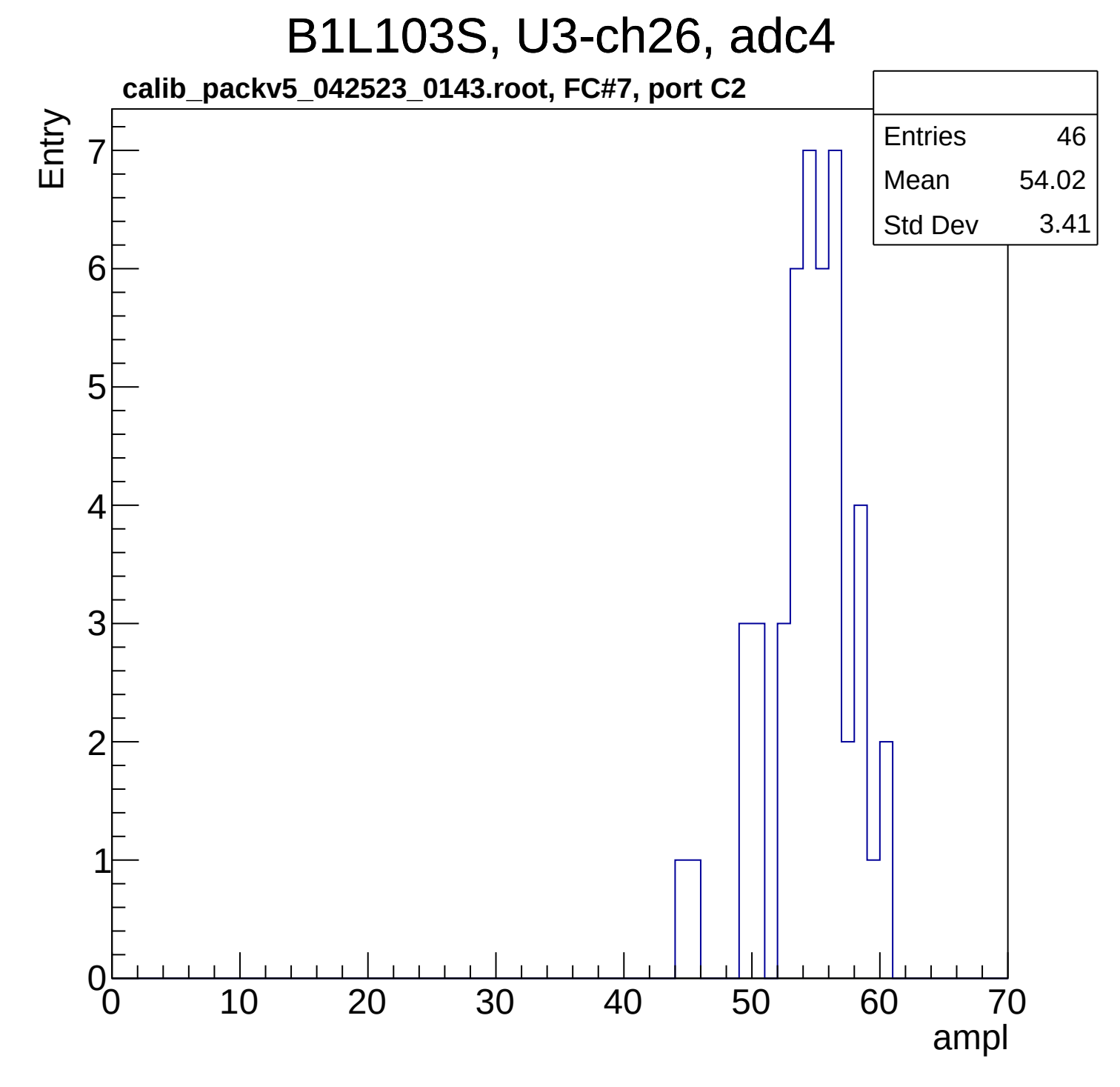
B1L103S, U3-ch26, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 54.02
Std Dev 3.41
Entry
ampl
0
1
2
3
4
5
6
7
0
10
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40
50
60
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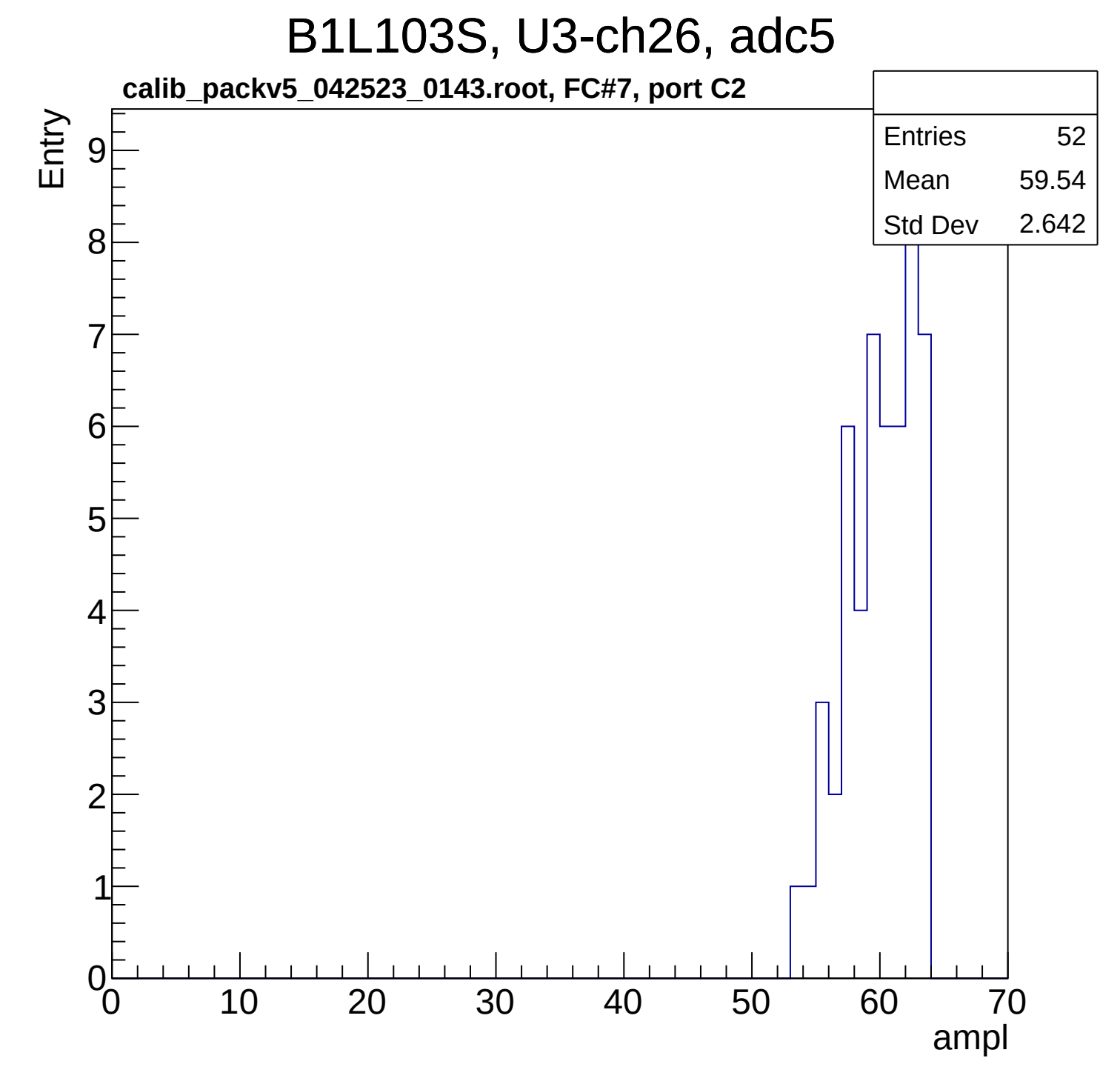
B1L103S, U3-ch26, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 59.54
Std Dev 2.642
Entry
ampl
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3
4
5
6
7
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0
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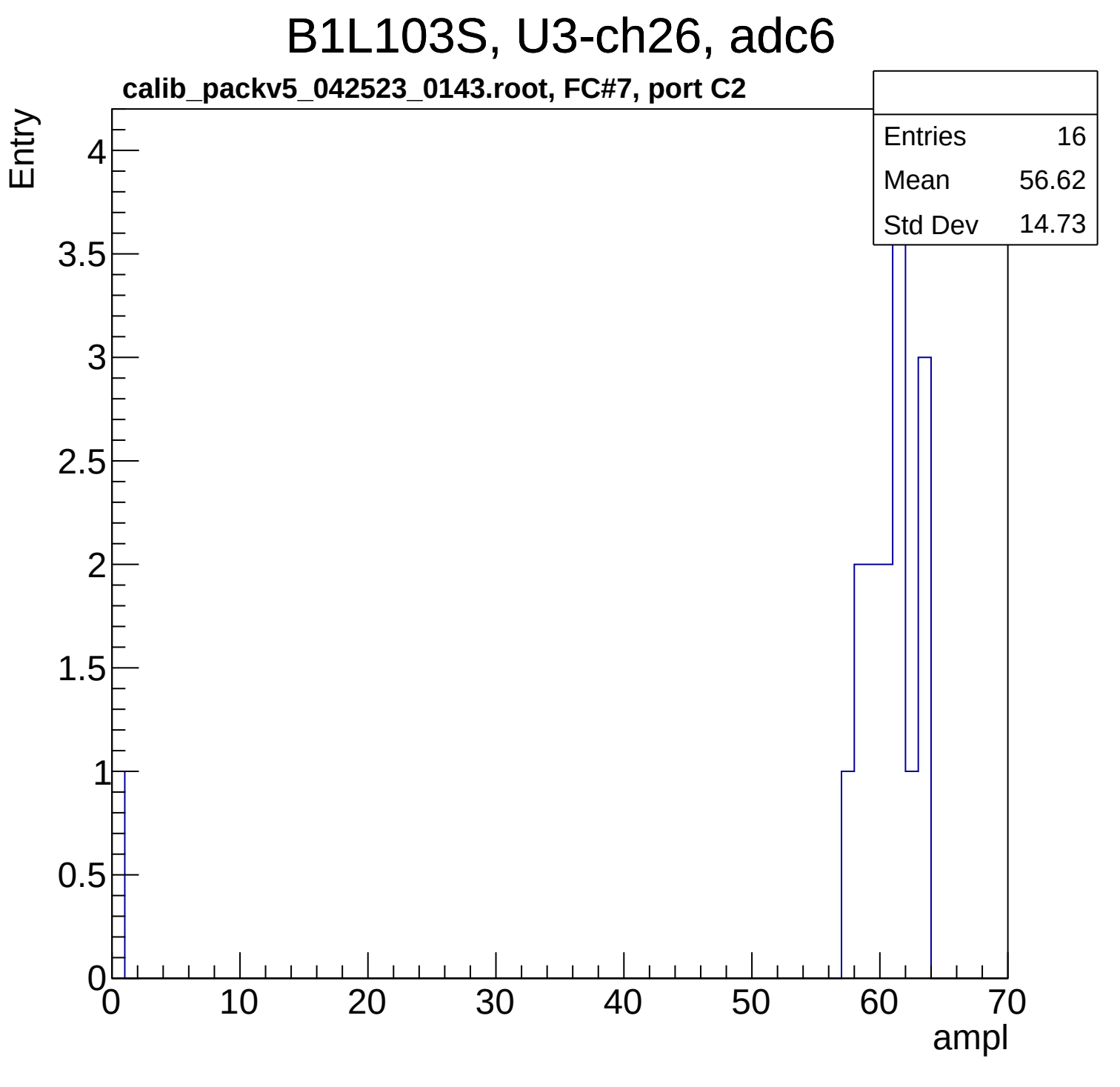
B1L103S, U3-ch26, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 56.62
Std Dev 14.73
Entry
ampl
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0.5
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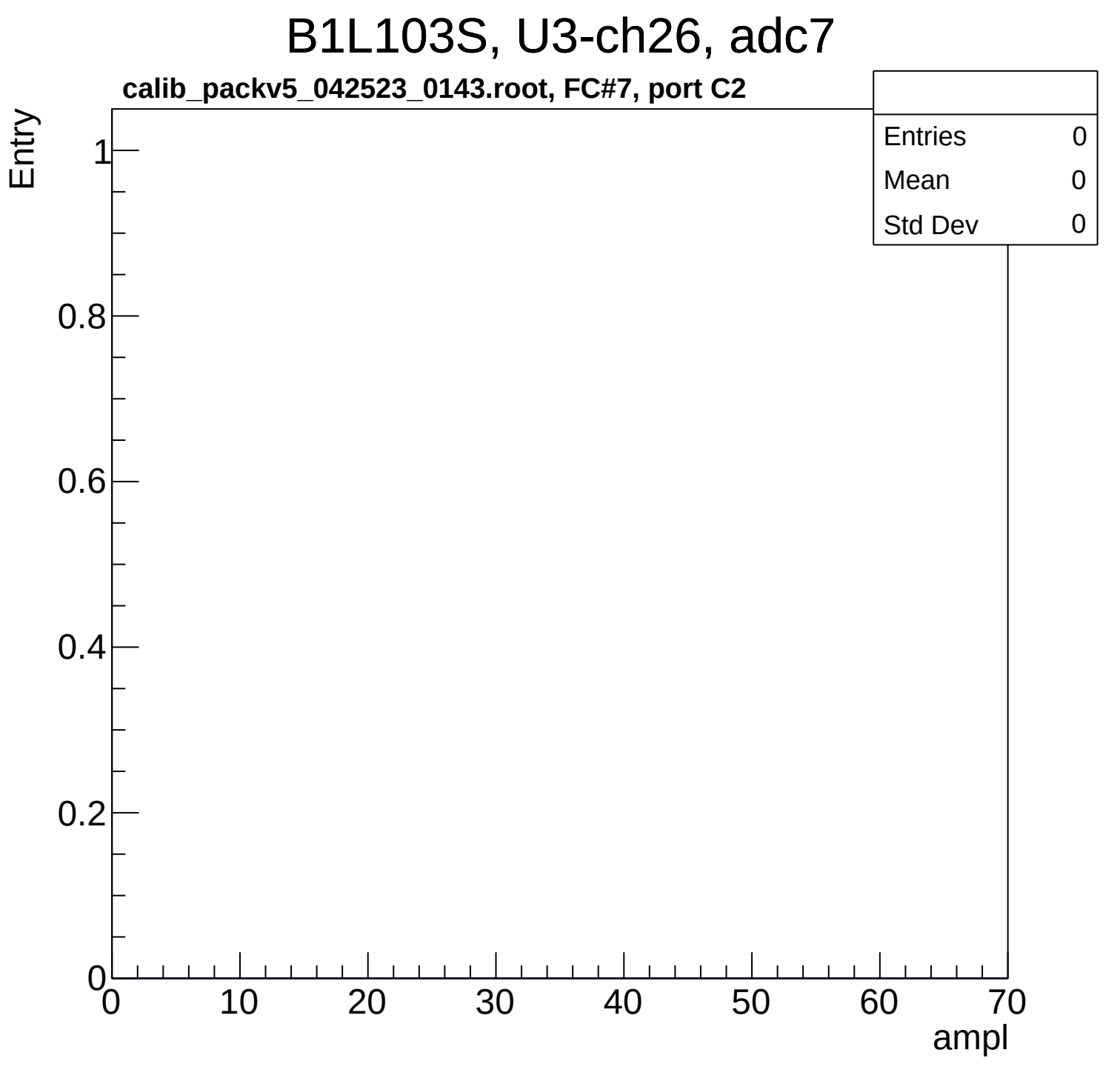
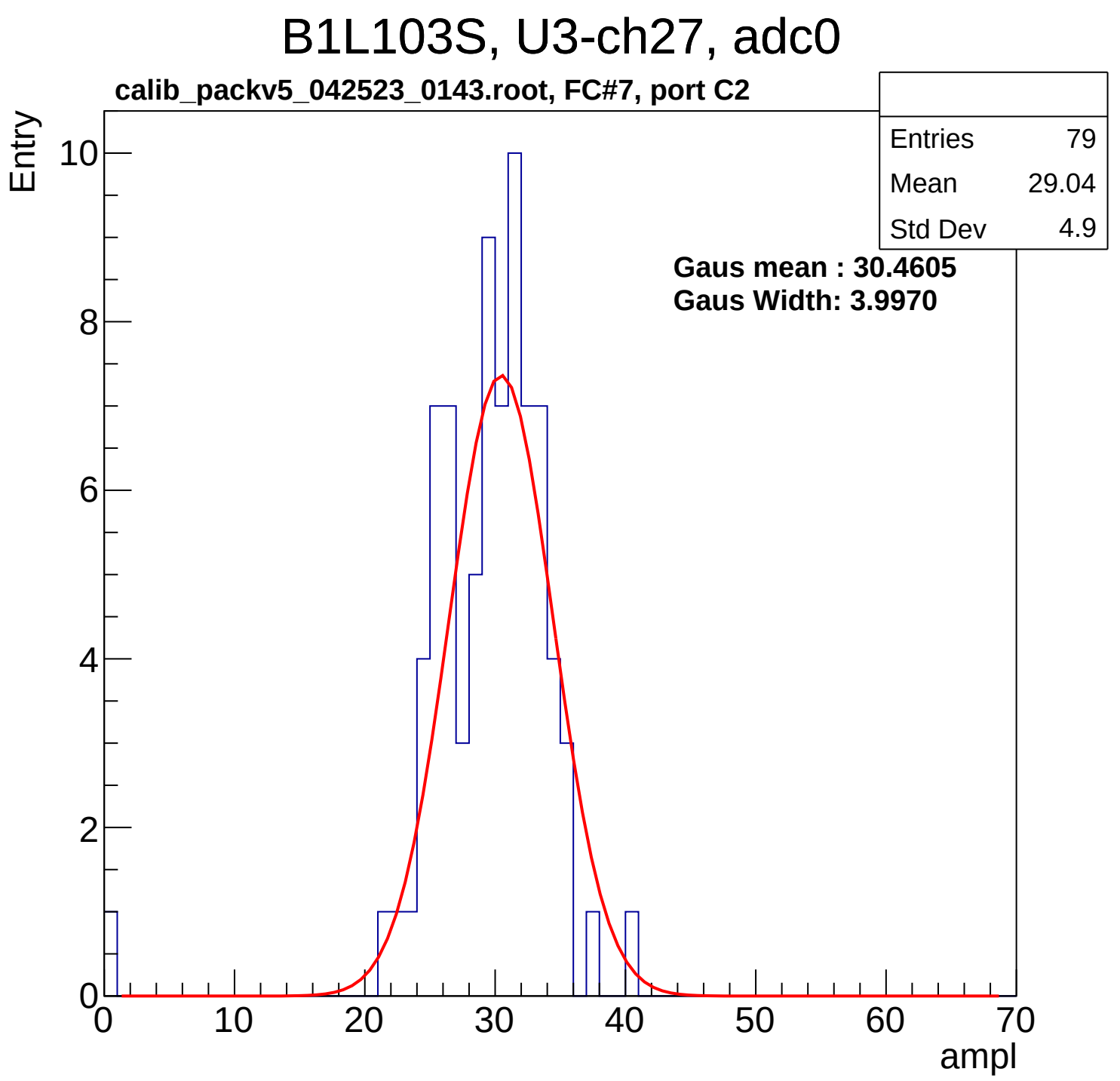
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch26, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch27, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 29.04
Std Dev 4.9
Gaus mean : 30.4605
Gaus Width: 3.9970
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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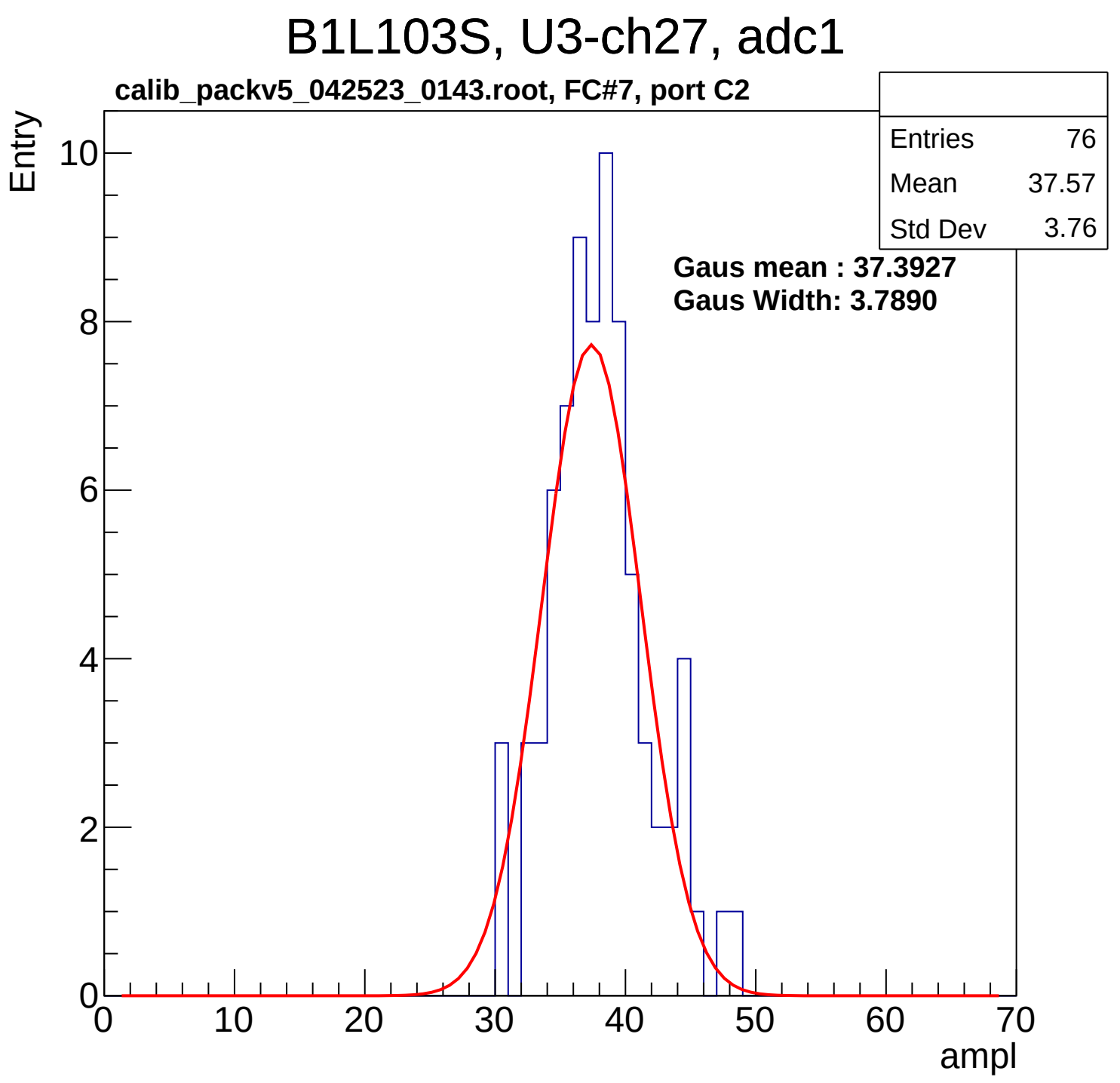
B1L103S, U3-ch27, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 37.57
Std Dev 3.76
Gaus mean : 37.3927
Gaus Width: 3.7890
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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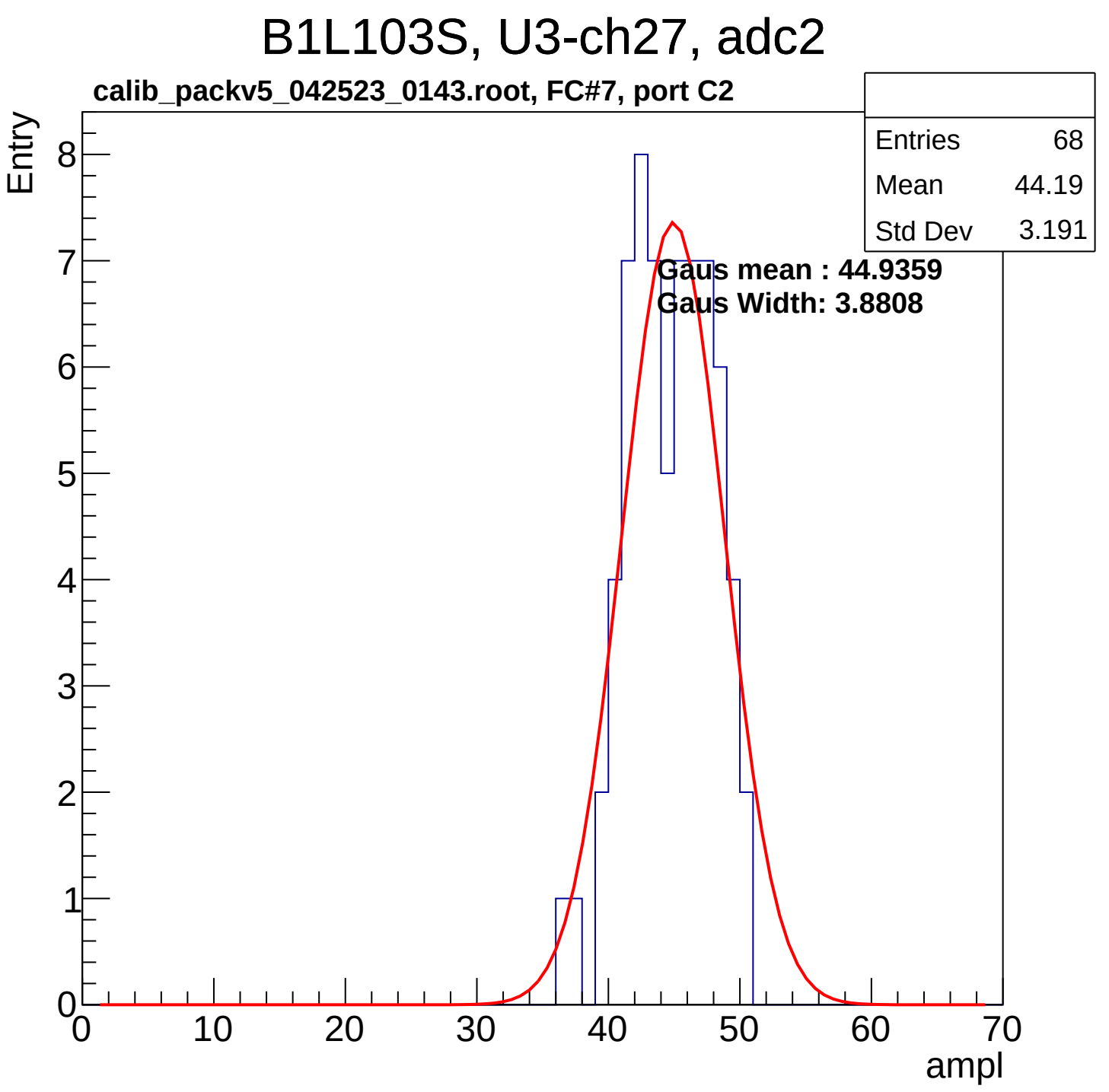
B1L103S, U3-ch27, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 44.19
Std Dev 3.191
Gaus mean : 44.9359
Gaus Width: 3.8808
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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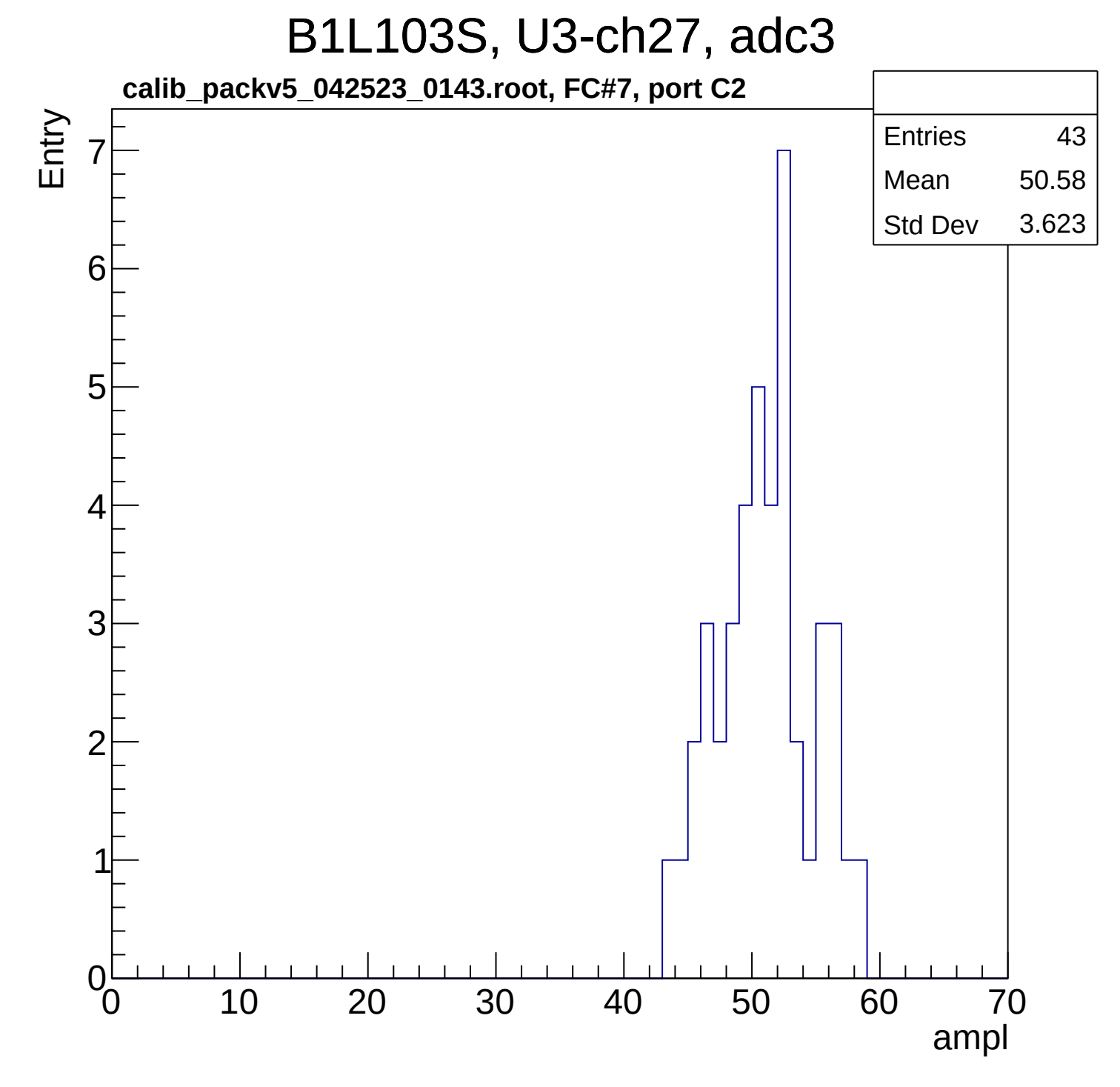
B1L103S, U3-ch27, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 50.58
Std Dev 3.623
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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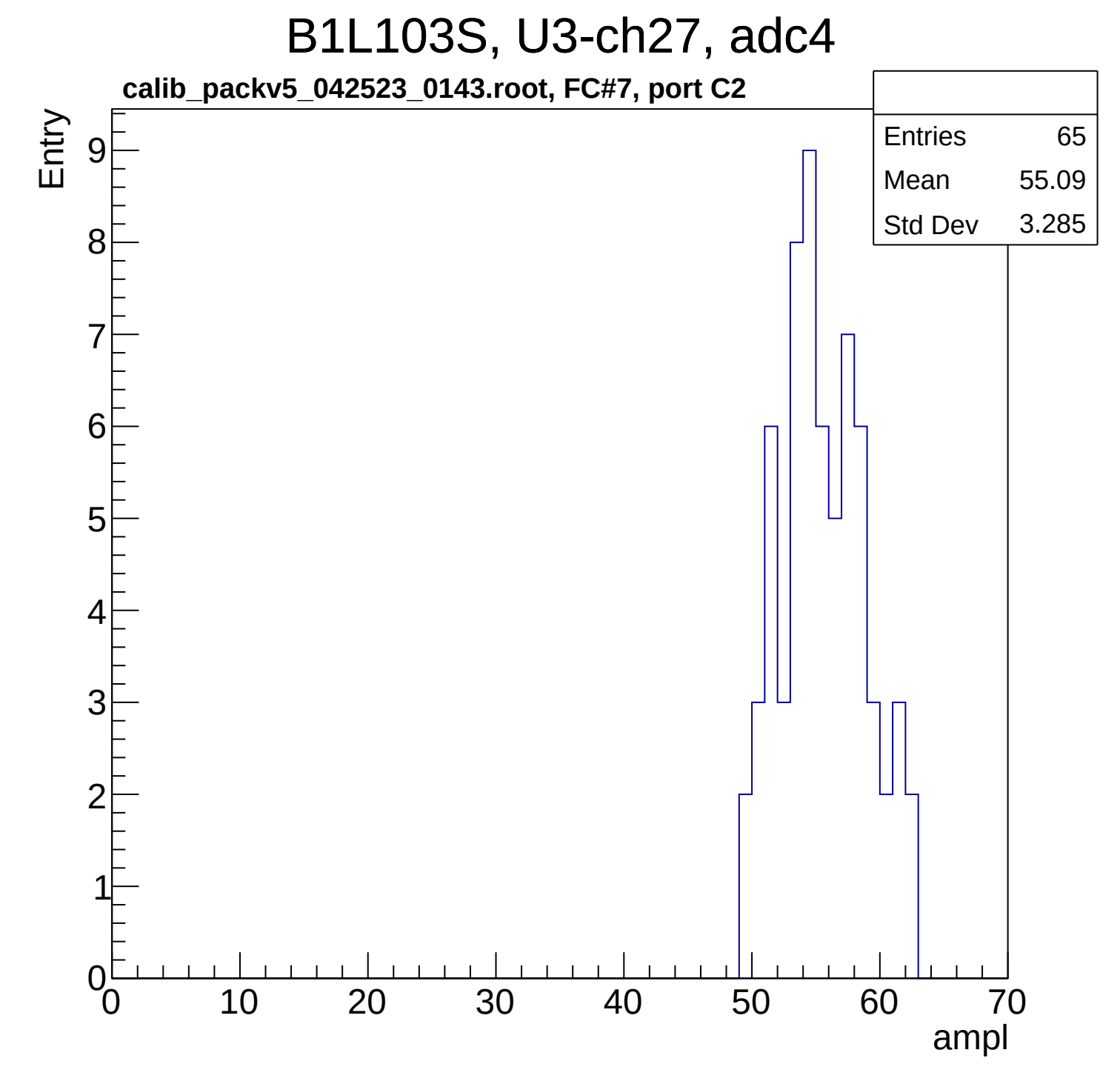
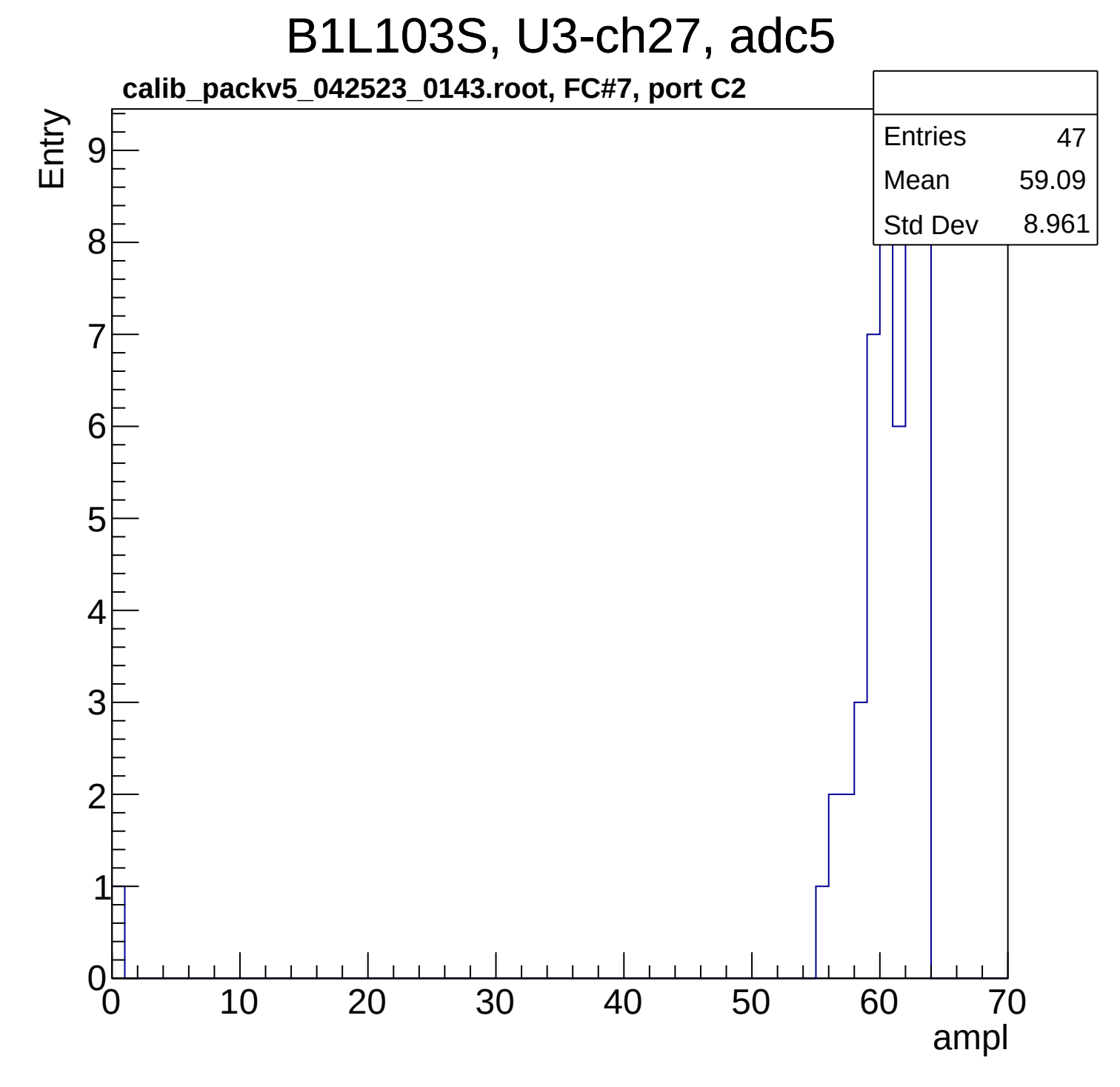

B1L103S, U3-ch27, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 55.09
Std Dev 3.285
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch27, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 59.09
Std Dev 8.961
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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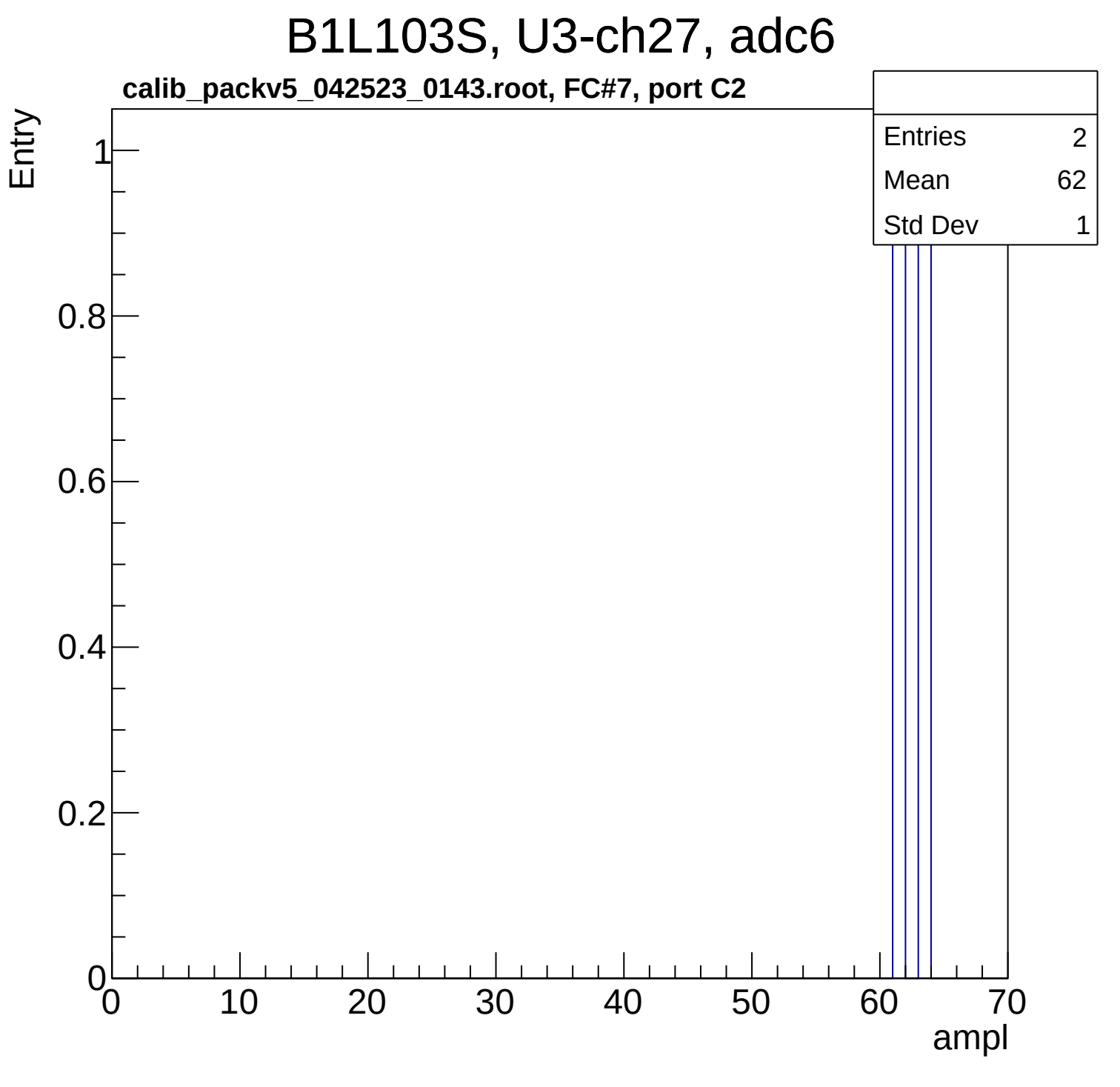
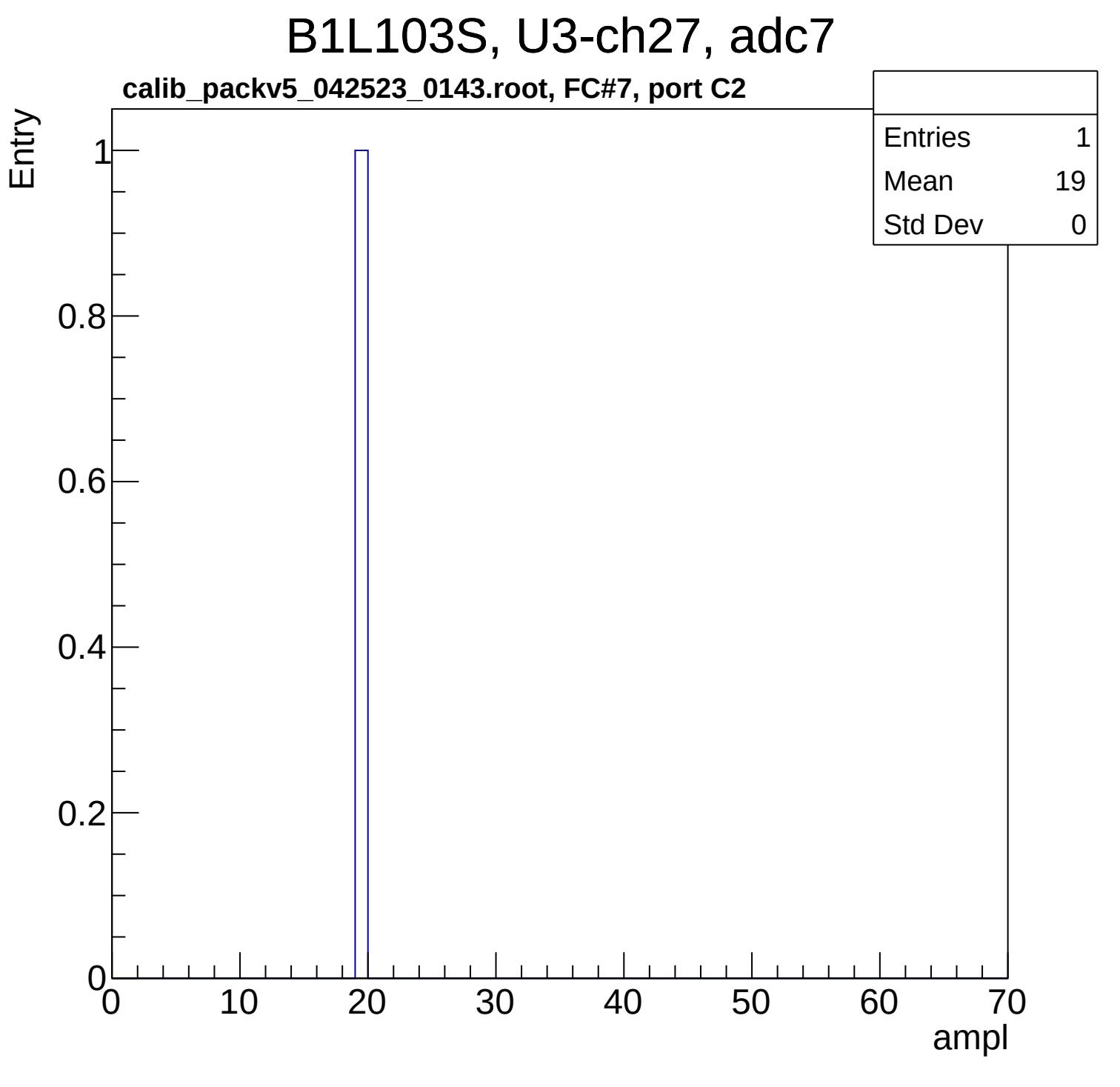
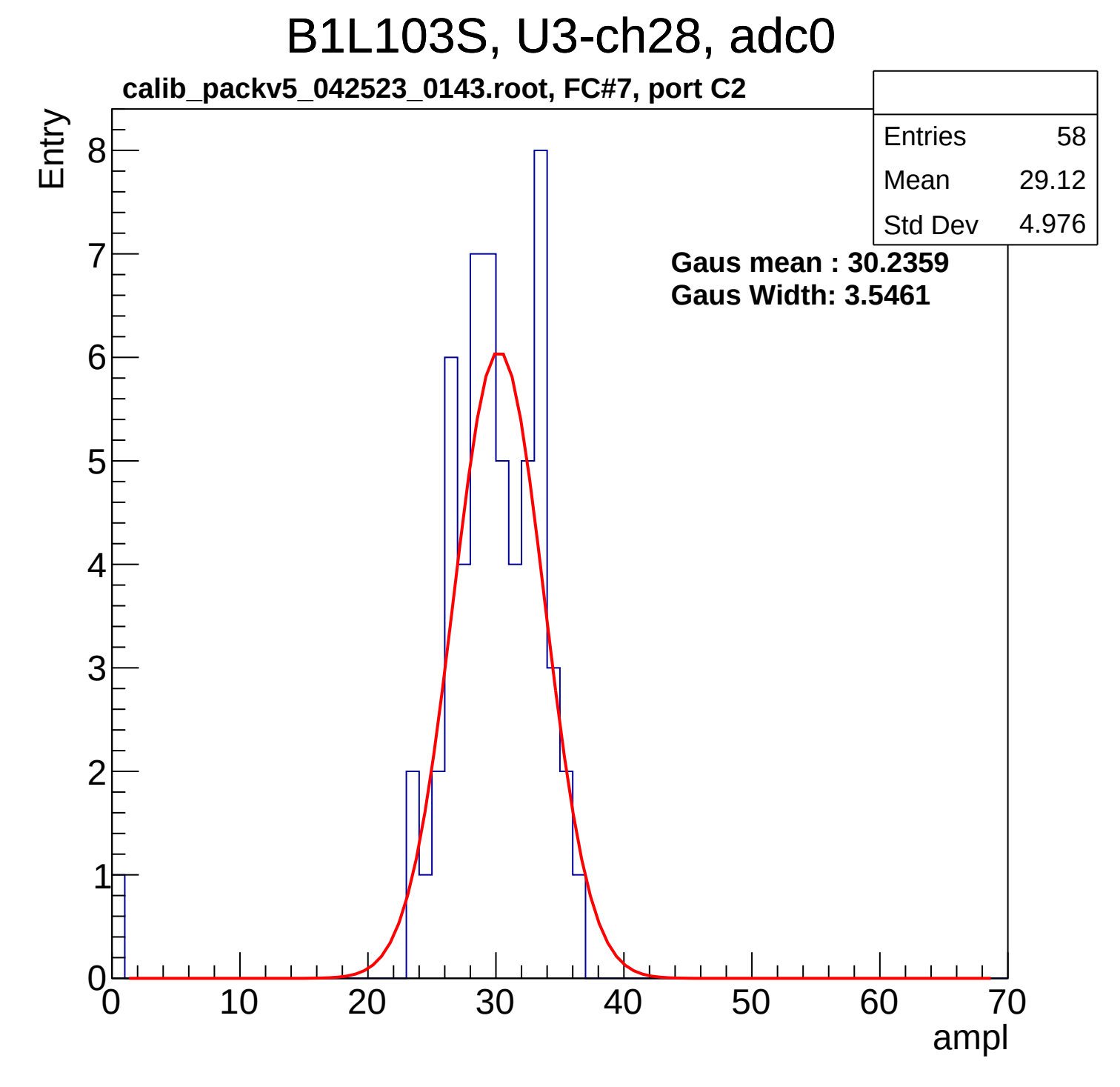
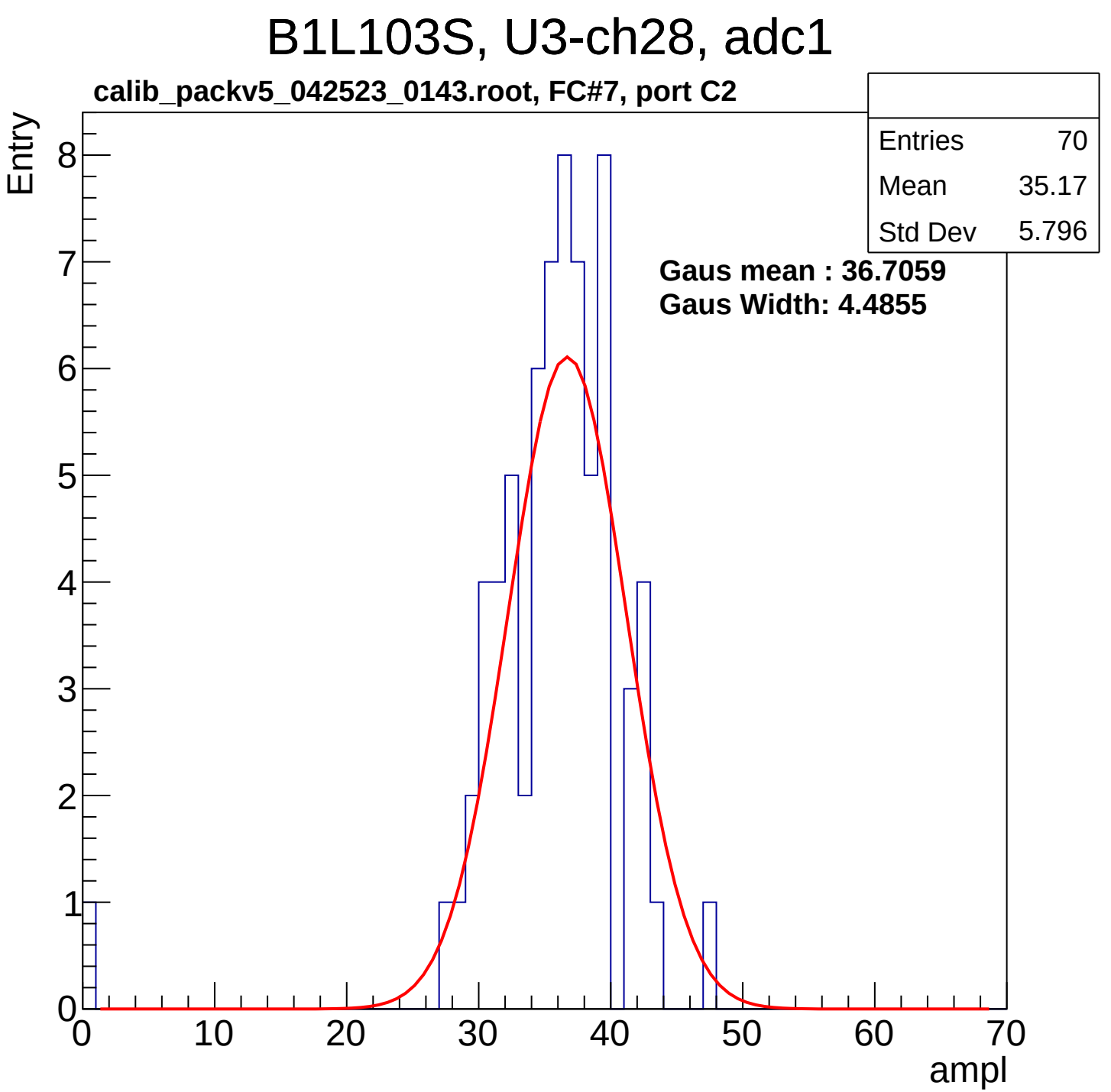
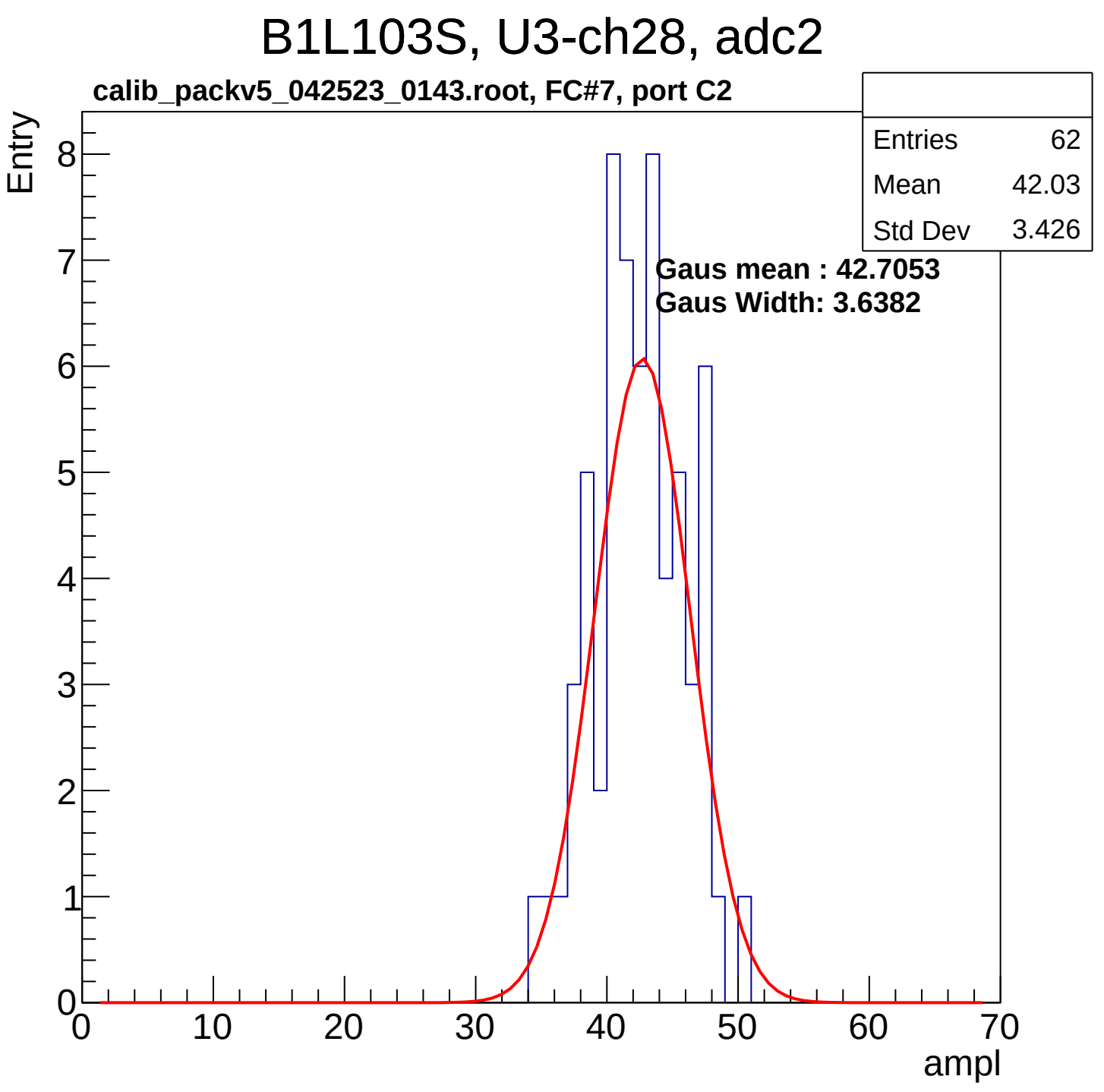
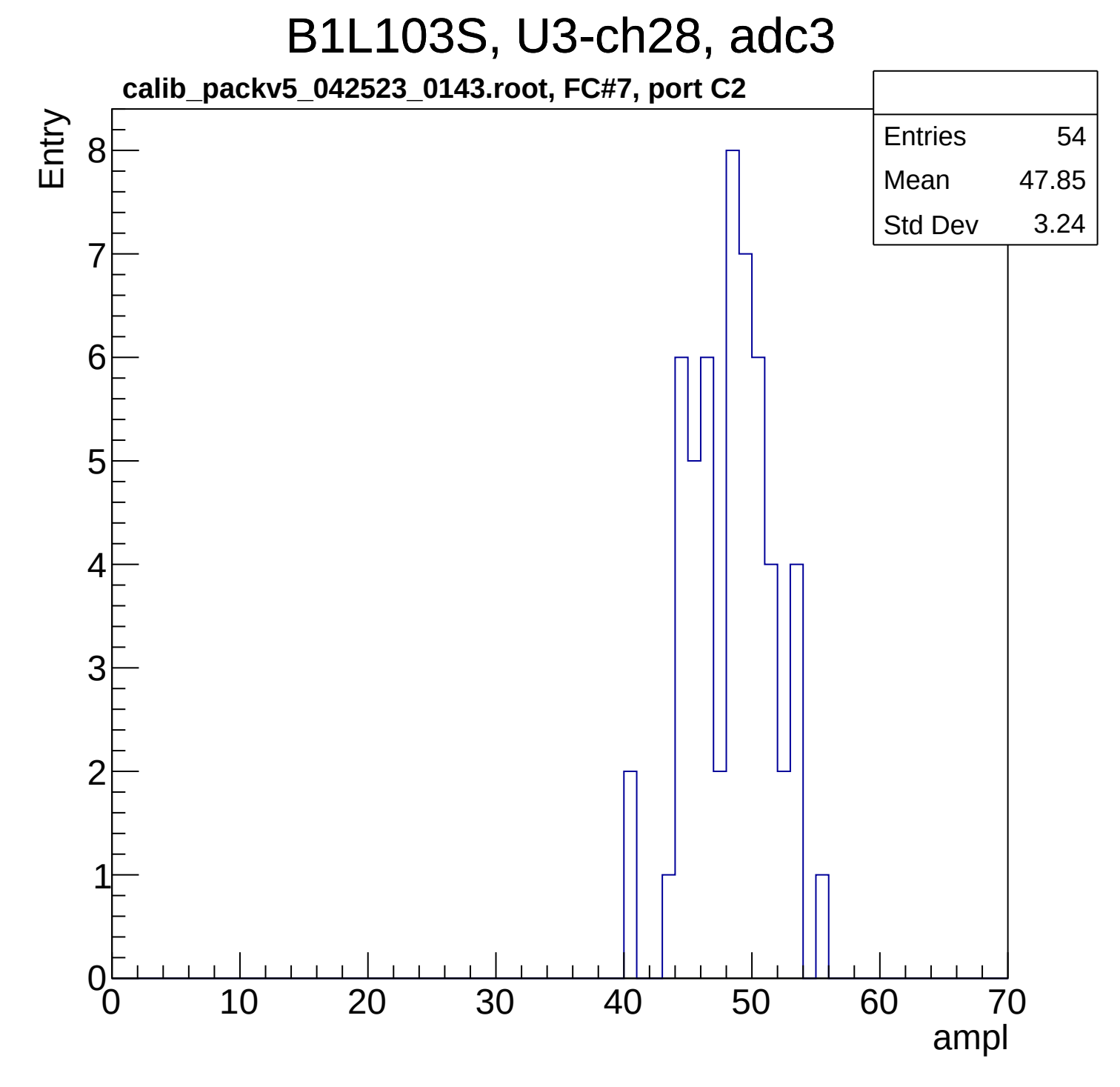

B1L103S, U3-ch27, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 62
Std Dev 1
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

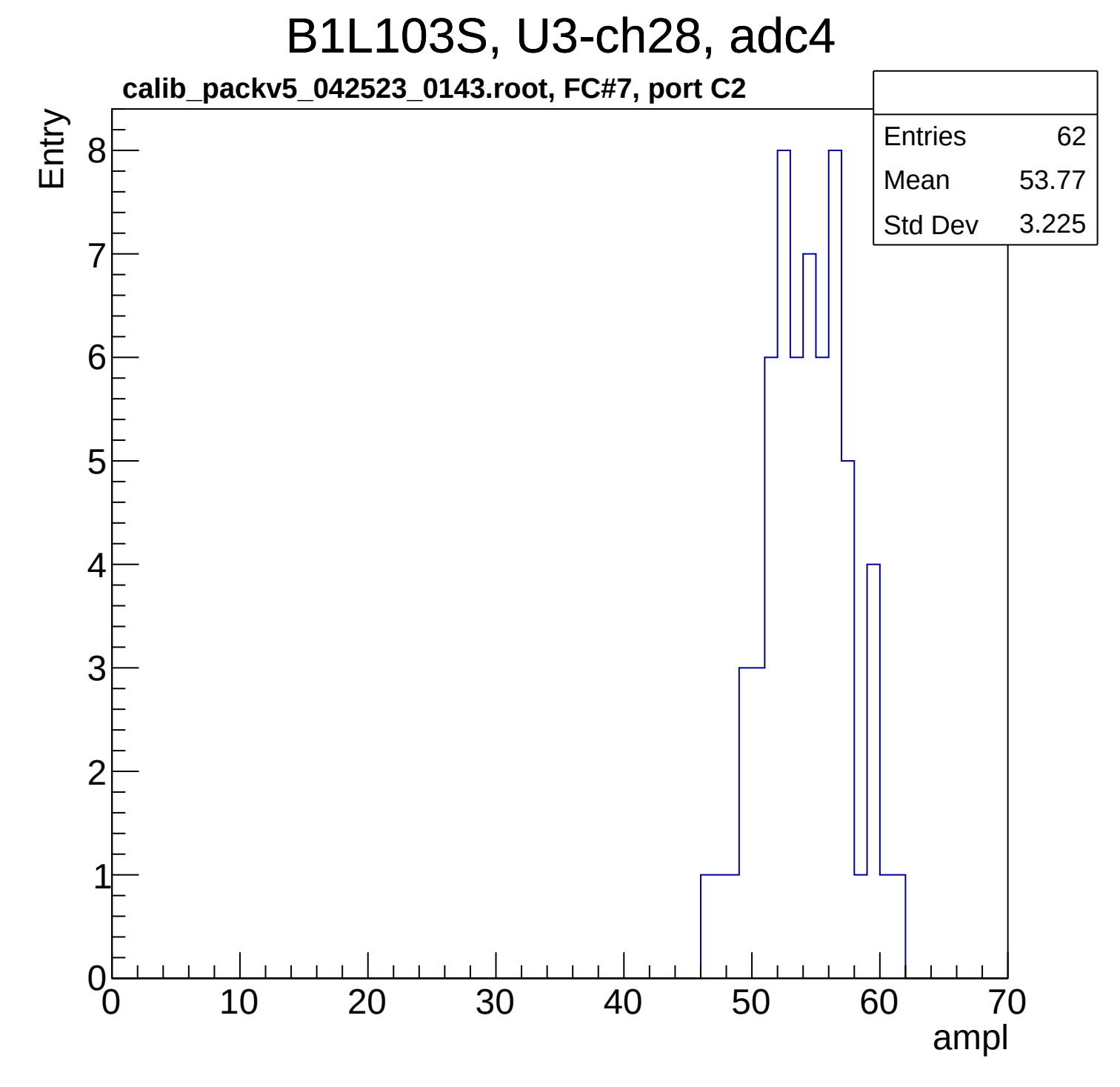

B1L103S, U3-ch27, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 19
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

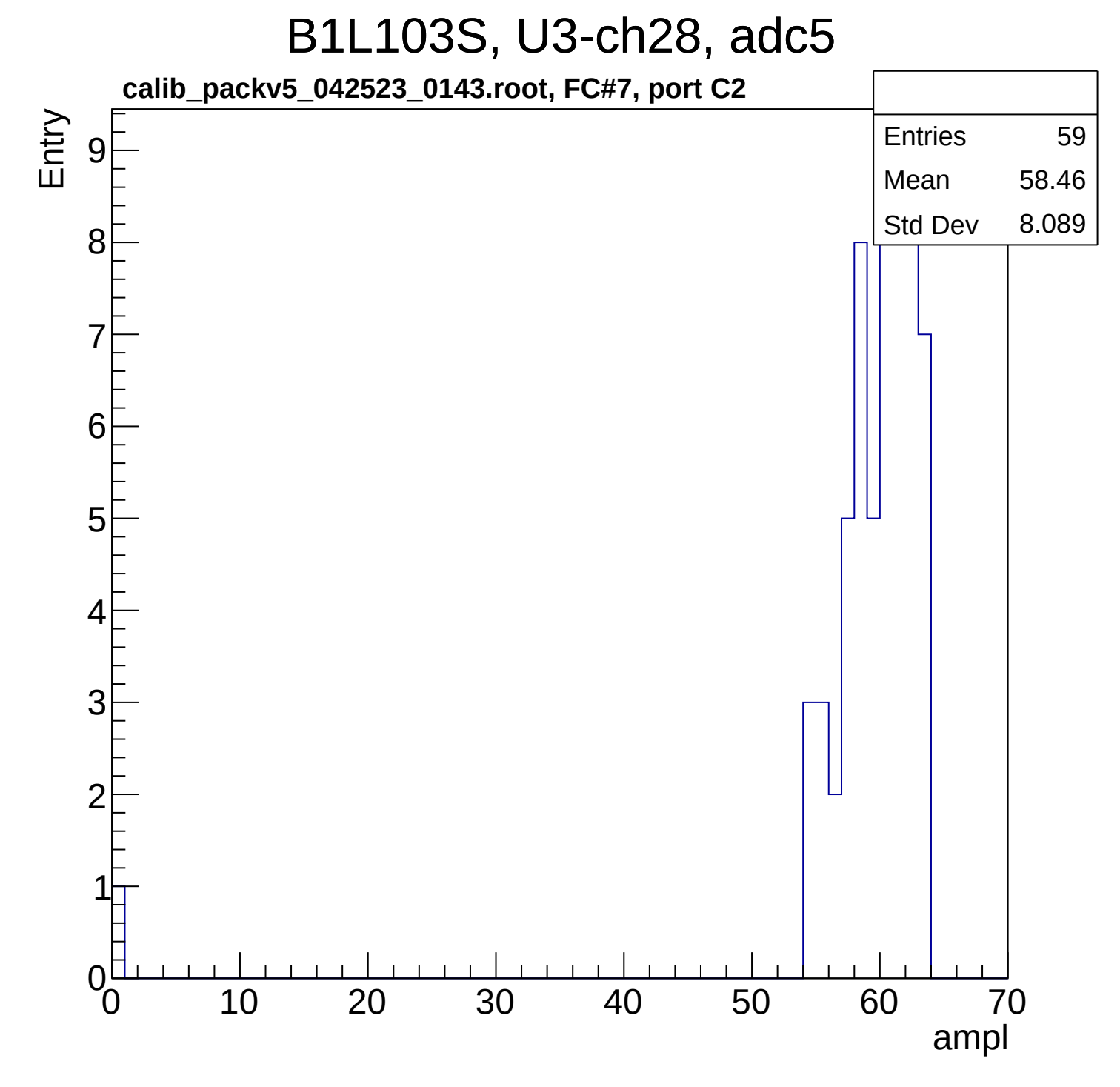

B1L103S, U3-ch28, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 29.12
Std Dev 4.976
Gaus mean : 30.2359
Gaus Width: 3.5461
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

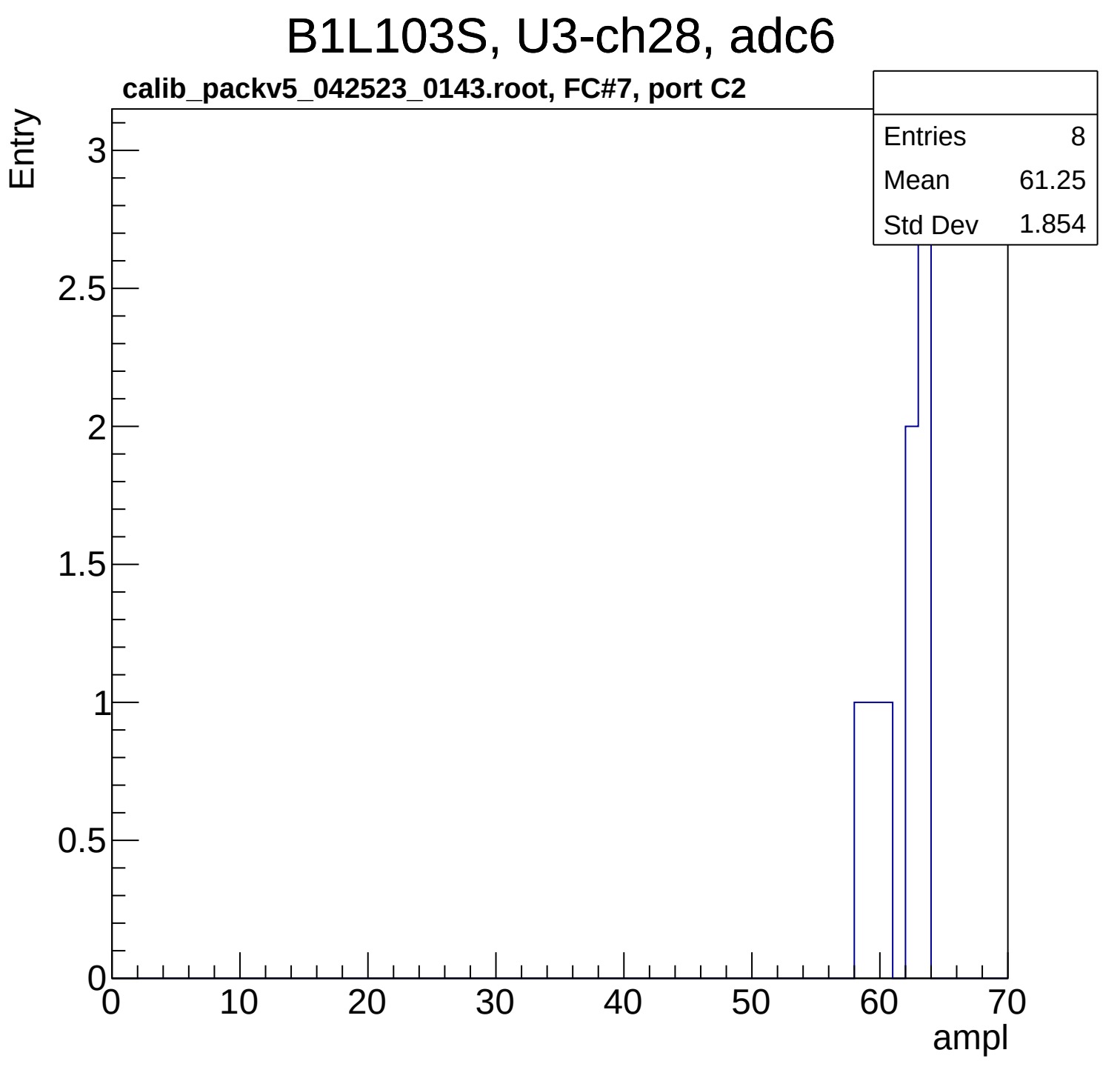

B1L103S, U3-ch28, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 35.17
Std Dev 5.796
Gaus mean : 36.7059
Gaus Width: 4.4855
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 42.03
Std Dev 3.426
Gaus mean : 42.7053
Gaus Width: 3.6382
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 47.85
Std Dev 3.24
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 53.77
Std Dev 3.225
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 58.46
Std Dev 8.089
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 61.25
Std Dev 1.854
Entry
ampl
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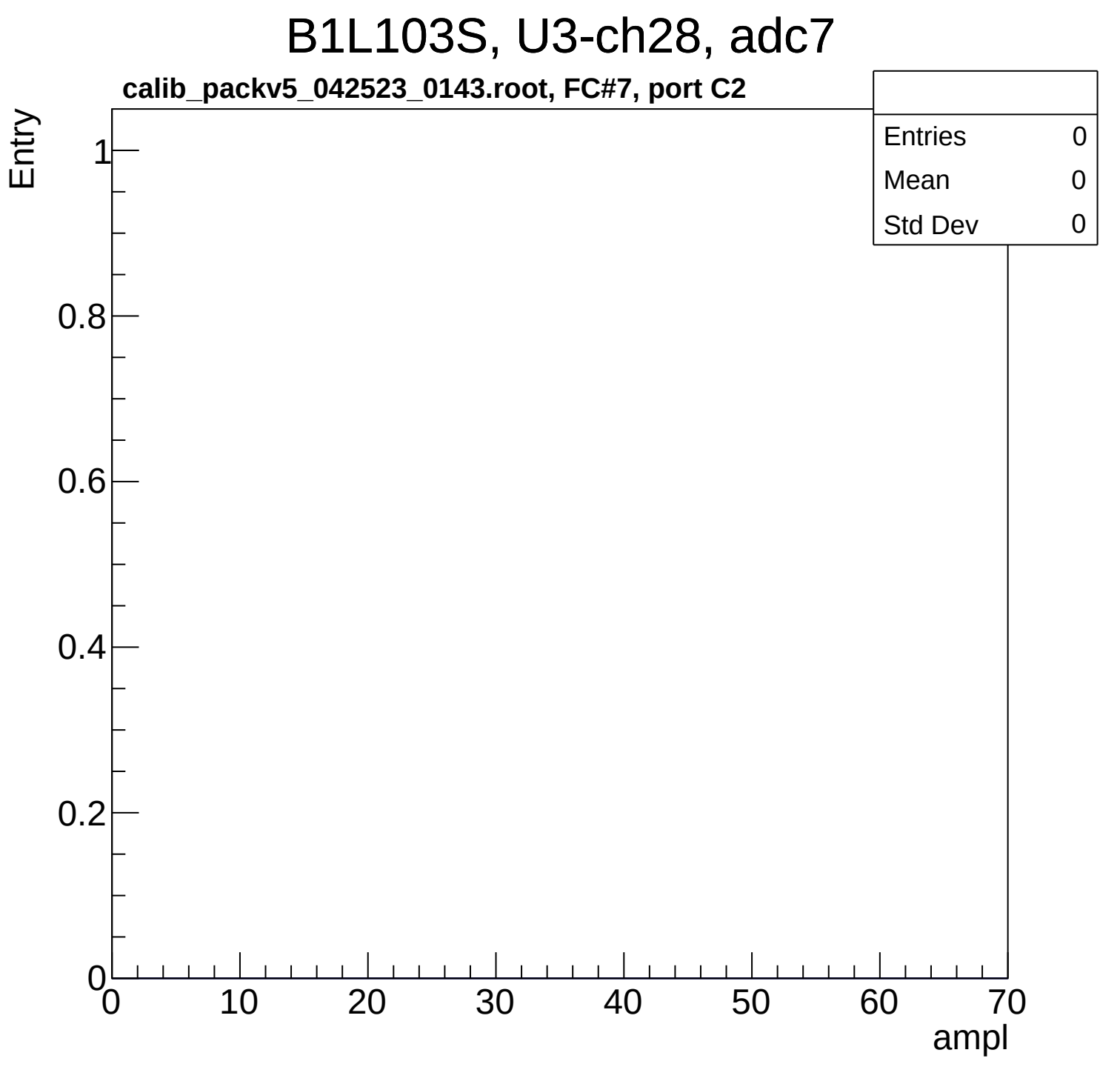
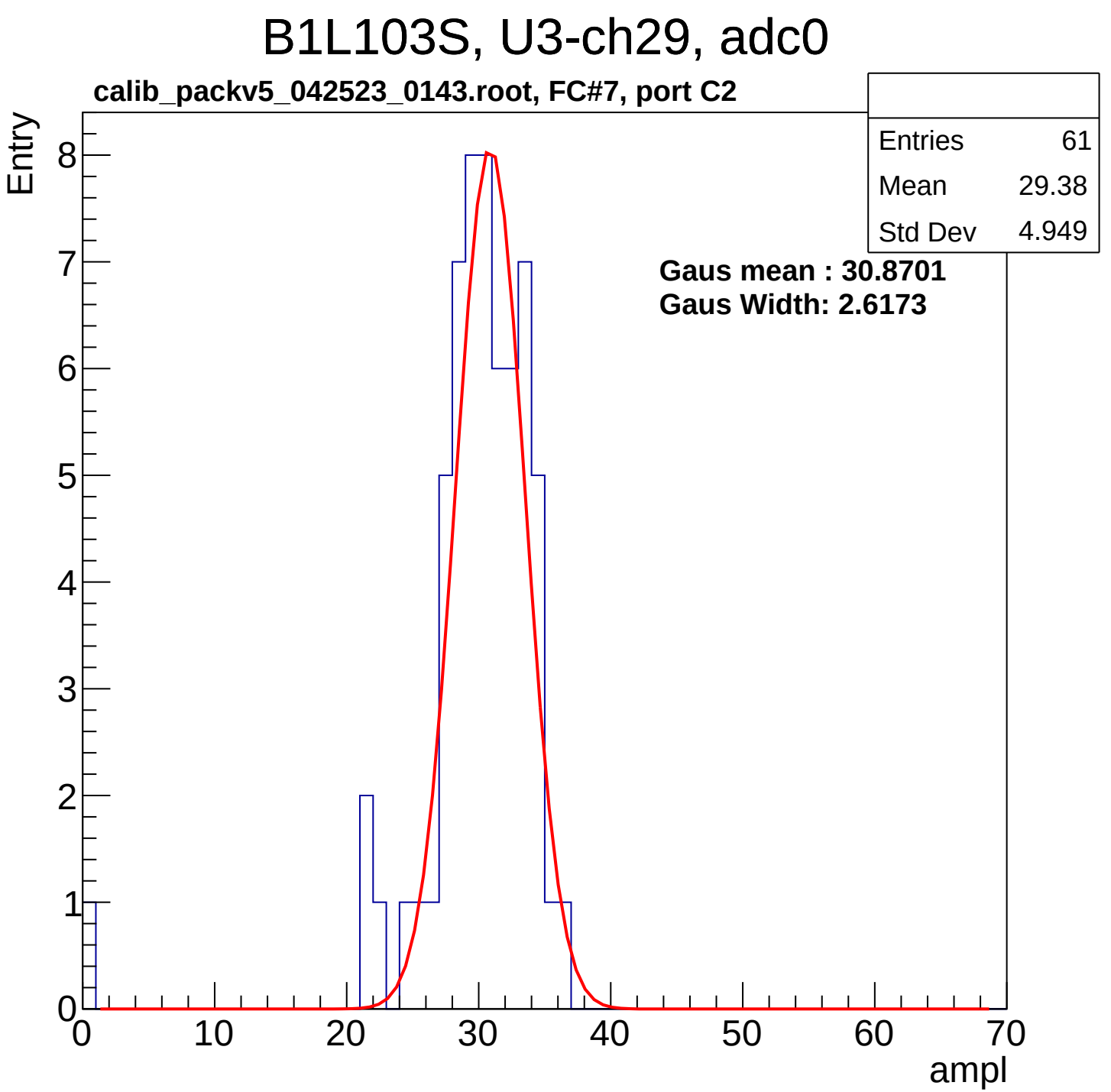
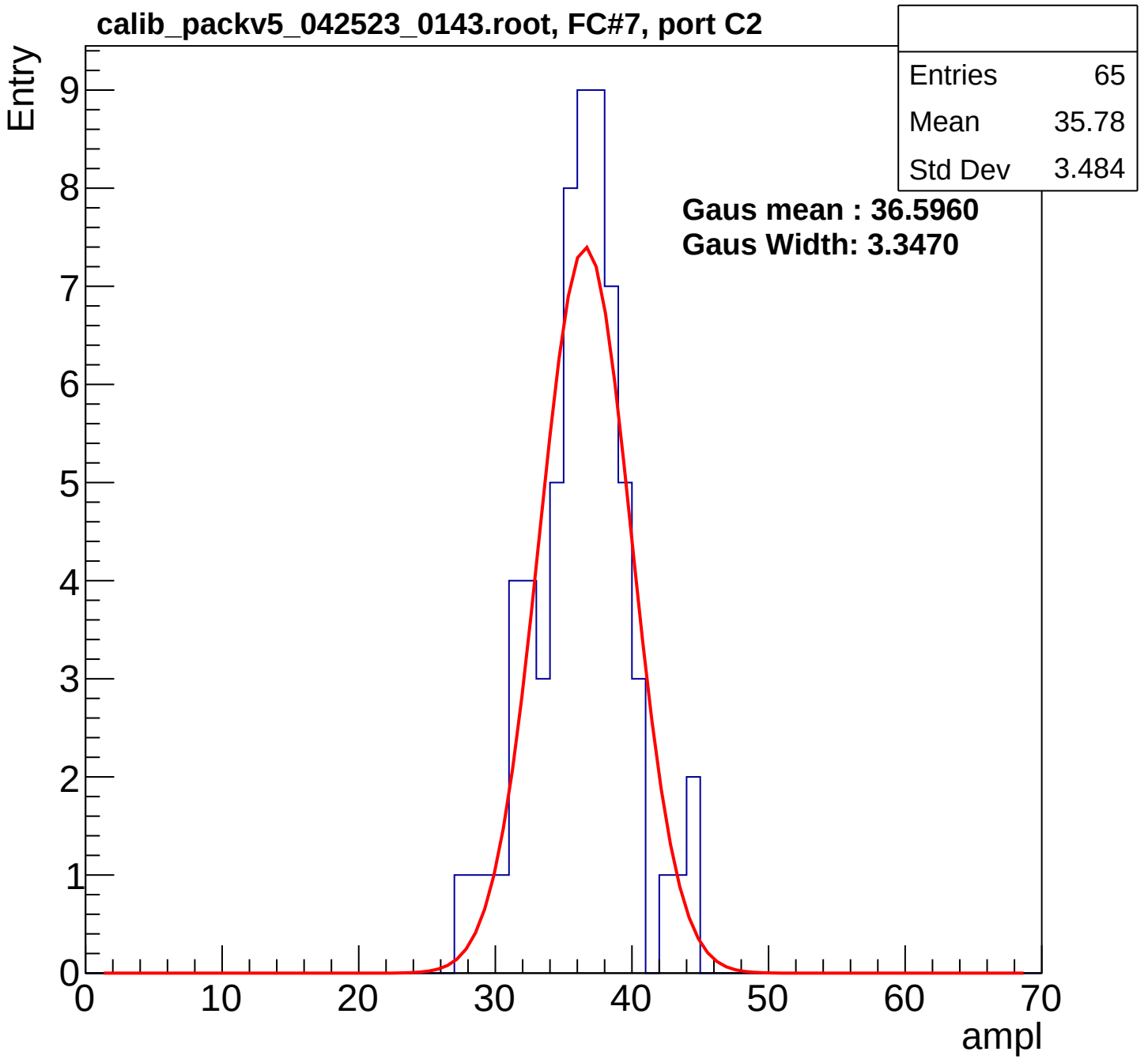
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch28, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch29, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 29.38
Std Dev 4.949
Gaus mean : 30.8701
Gaus Width: 2.6173
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch29, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 35.78
Std Dev 3.484
Gaus mean : 36.5960
Gaus Width: 3.3470
Entry
ampl
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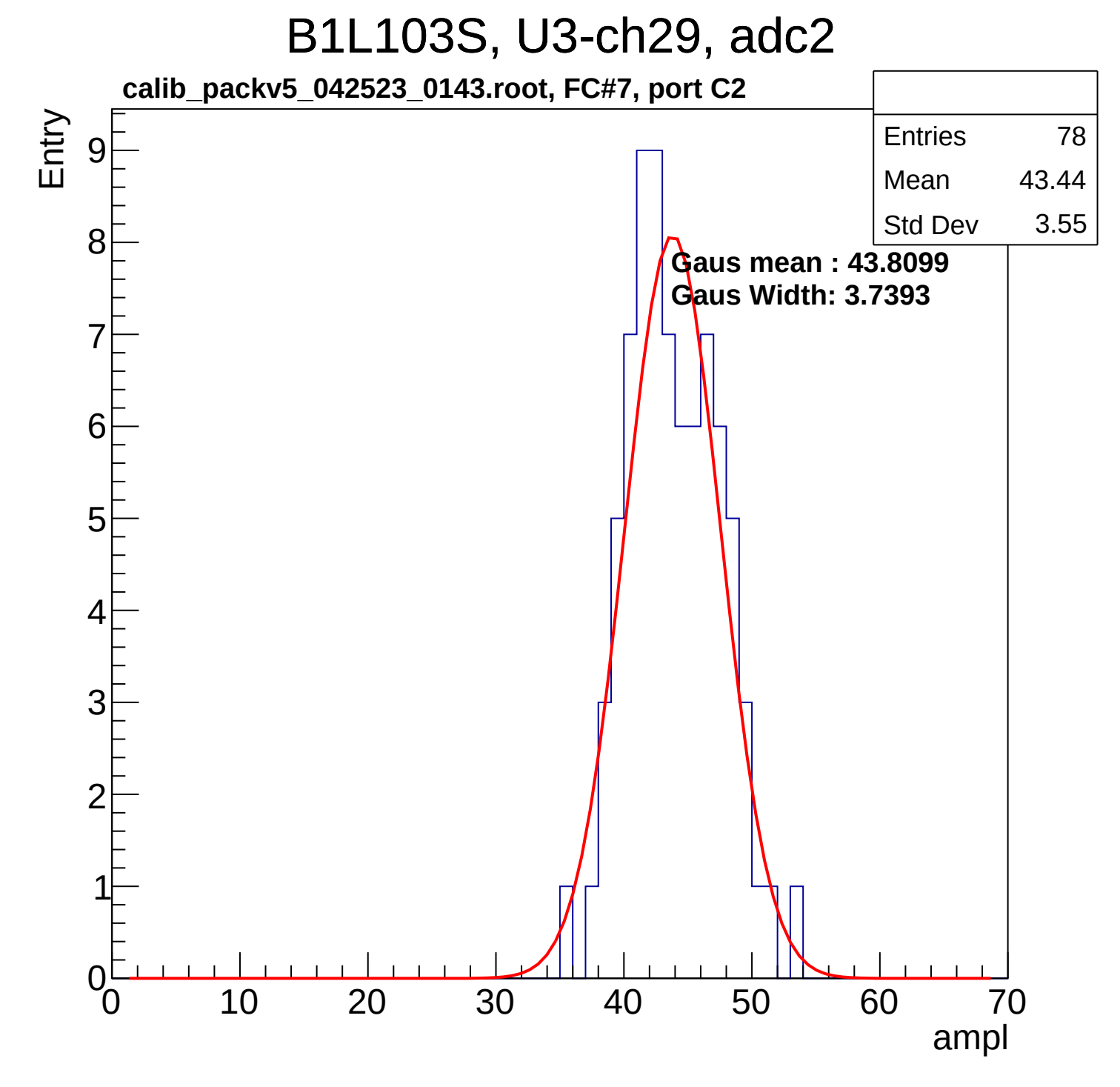
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch29, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 78
Mean 43.44
Std Dev 3.55
Gaus mean : 43.8099
Gaus Width: 3.7393
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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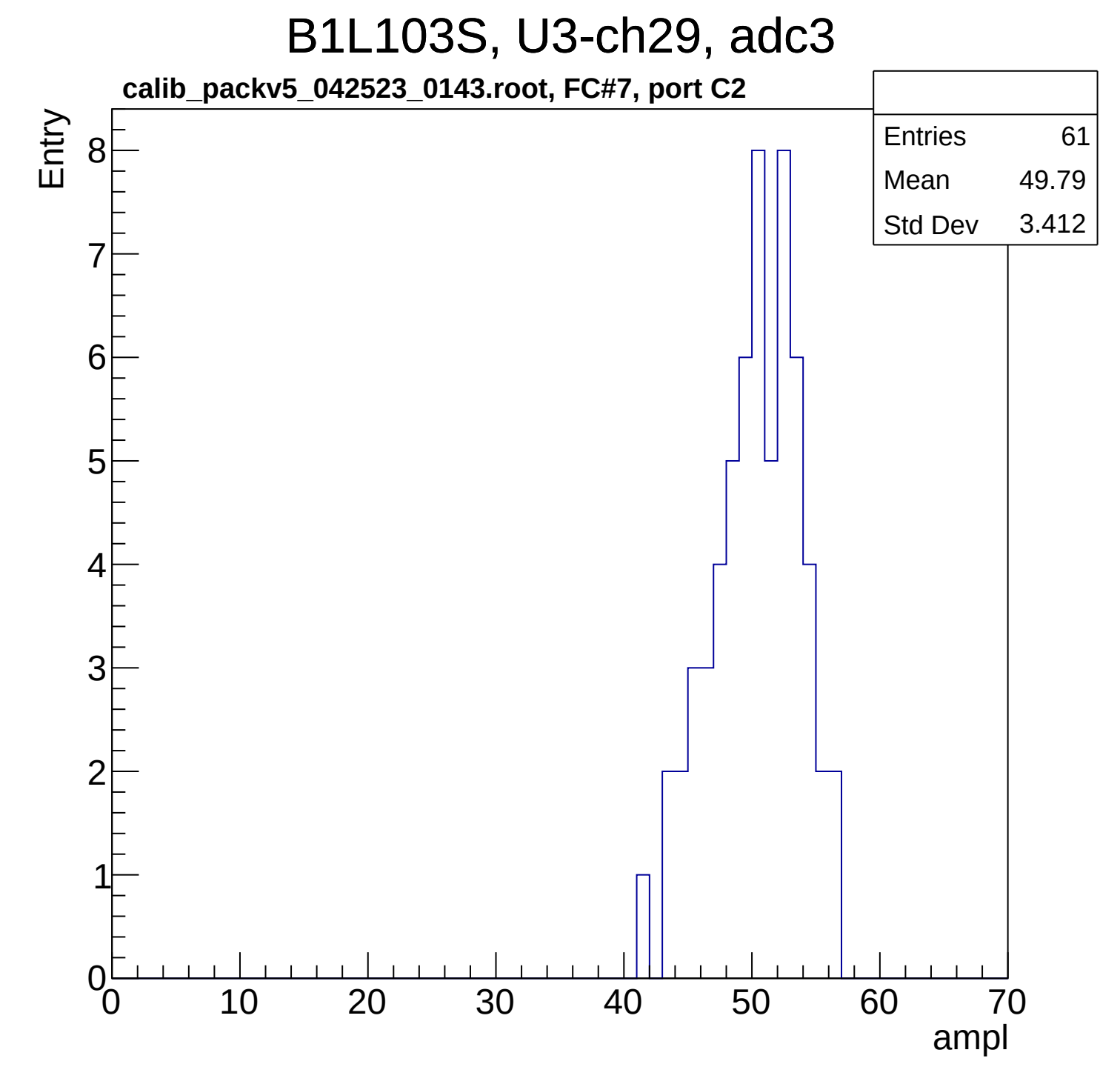
B1L103S, U3-ch29, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 49.79
Std Dev 3.412
Entry
ampl
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4
5
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7
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0
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20
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40
50
60
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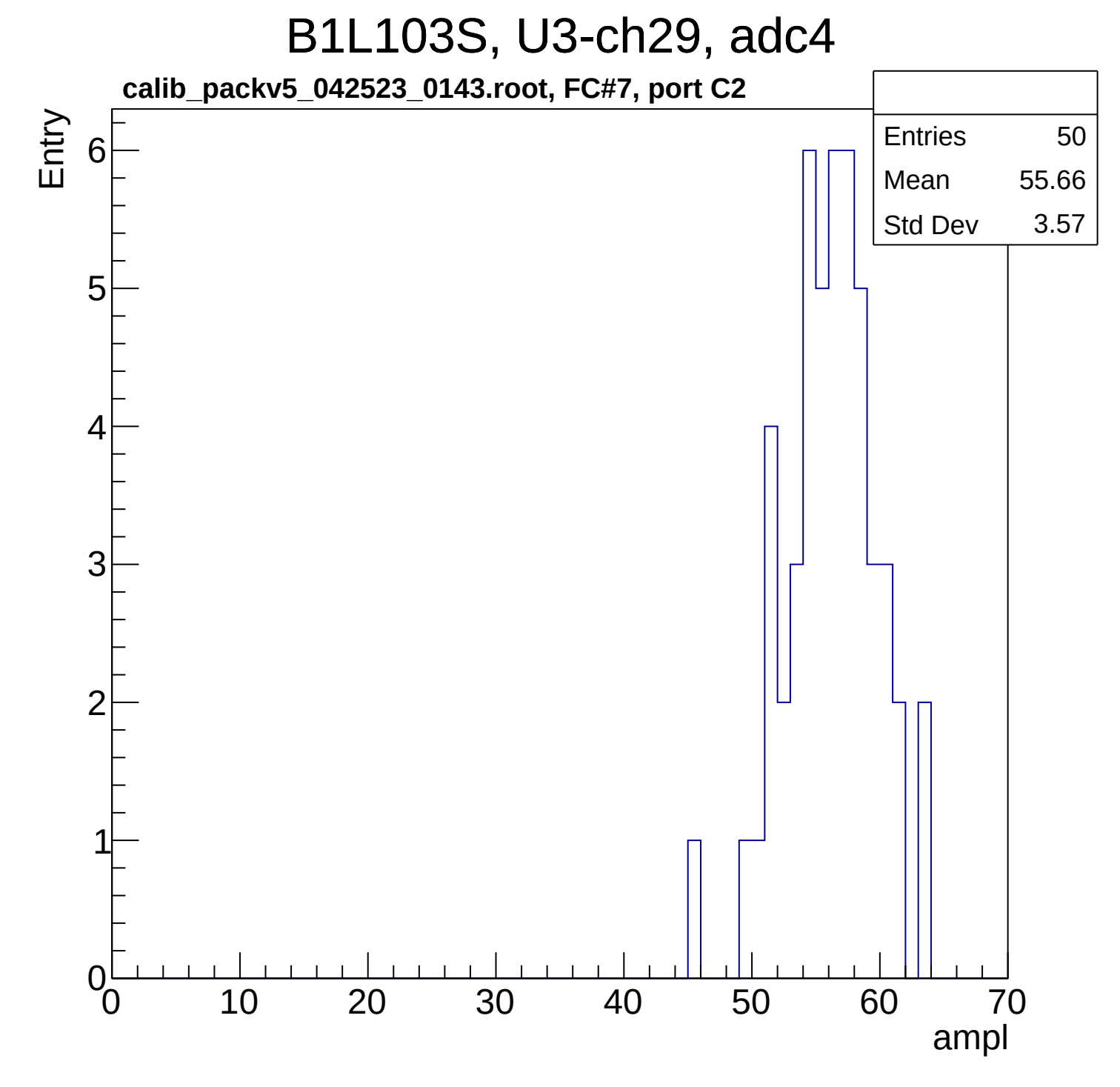
B1L103S, U3-ch29, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 55.66
Std Dev 3.57
Entry
ampl
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1
2
3
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0
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20
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50
60
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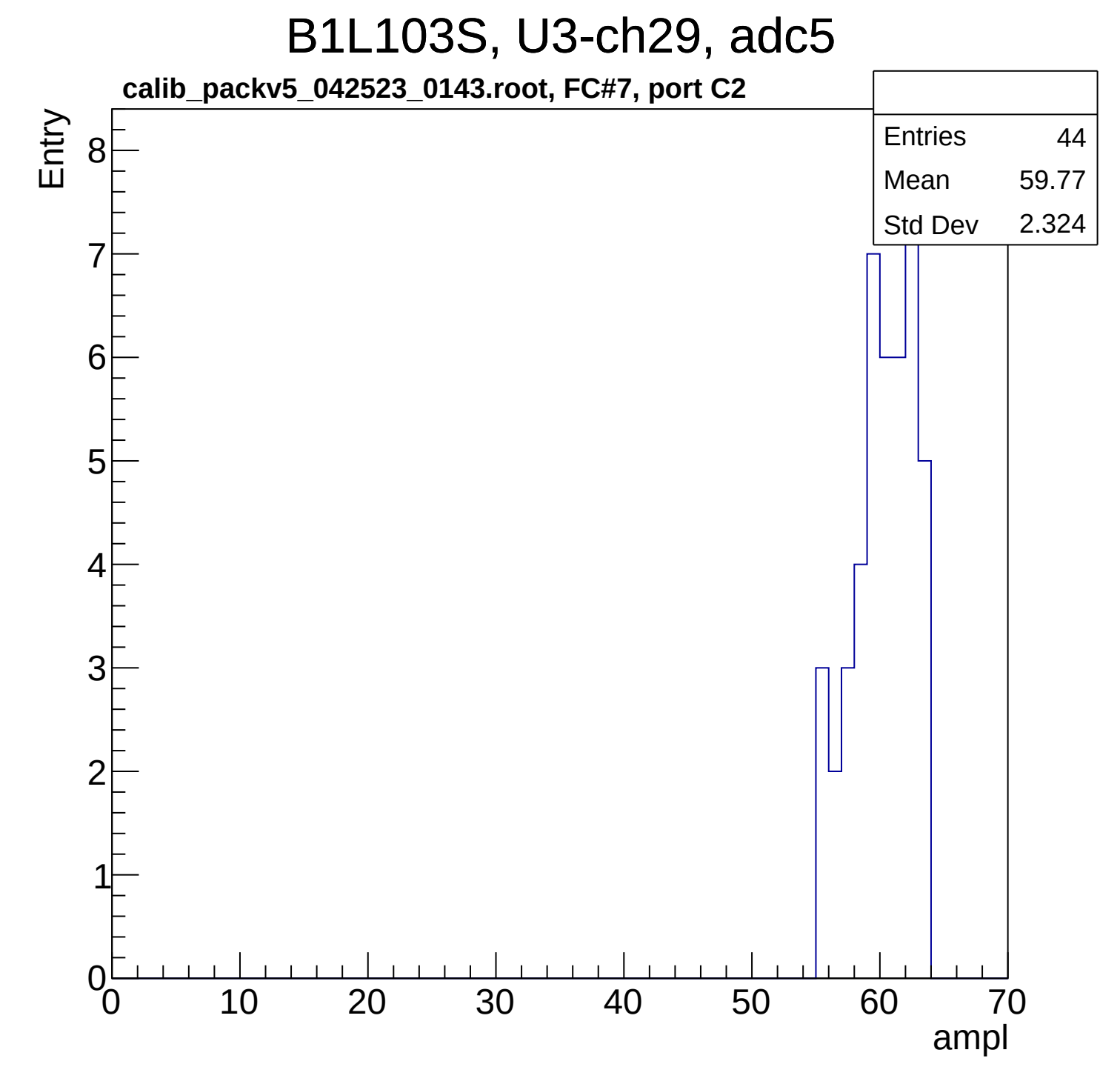
B1L103S, U3-ch29, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 59.77
Std Dev 2.324
Entry
ampl
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1
2
3
4
5
6
7
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0
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20
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40
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60
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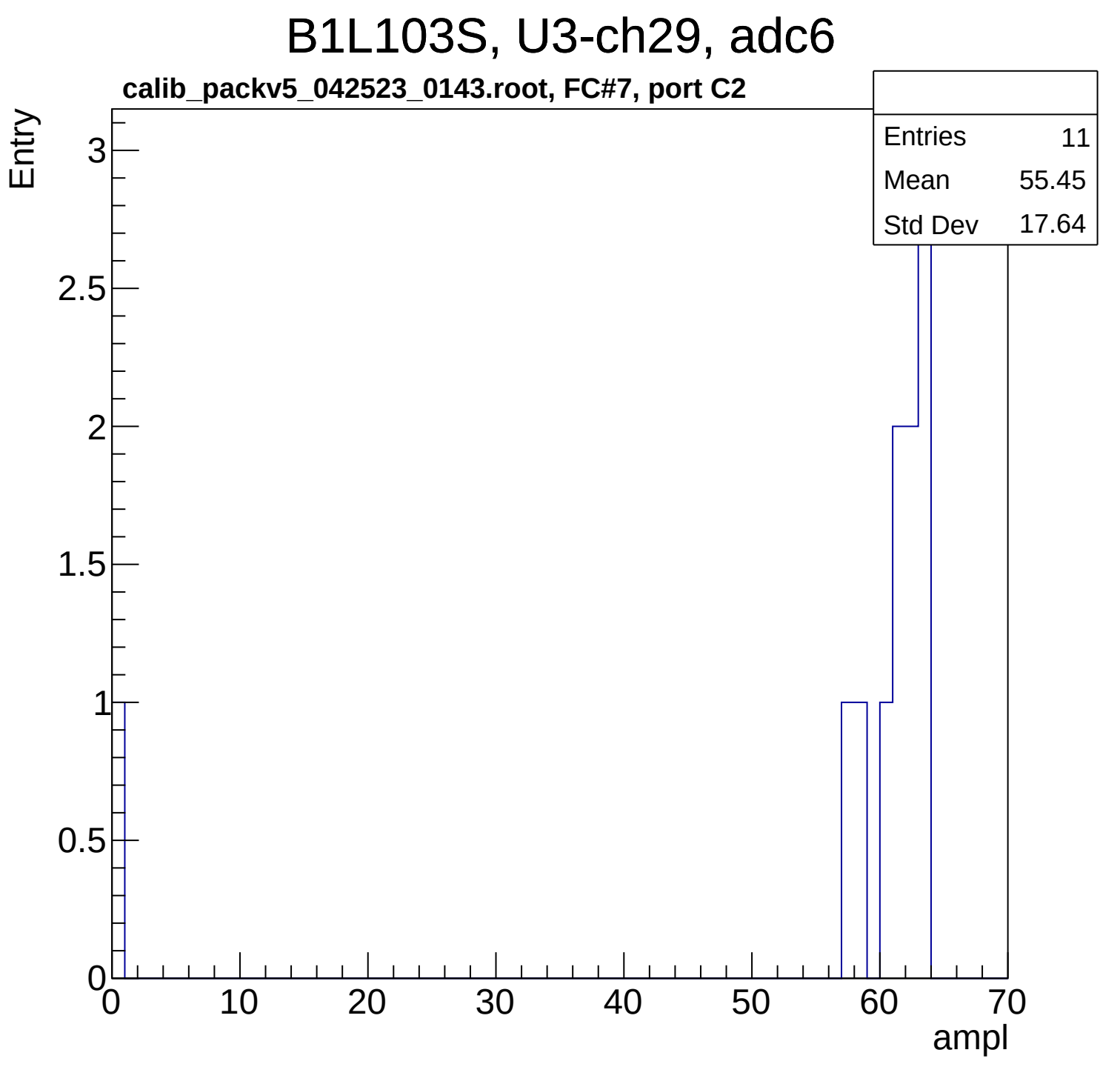
B1L103S, U3-ch29, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 55.45
Std Dev 17.64
Entry
ampl
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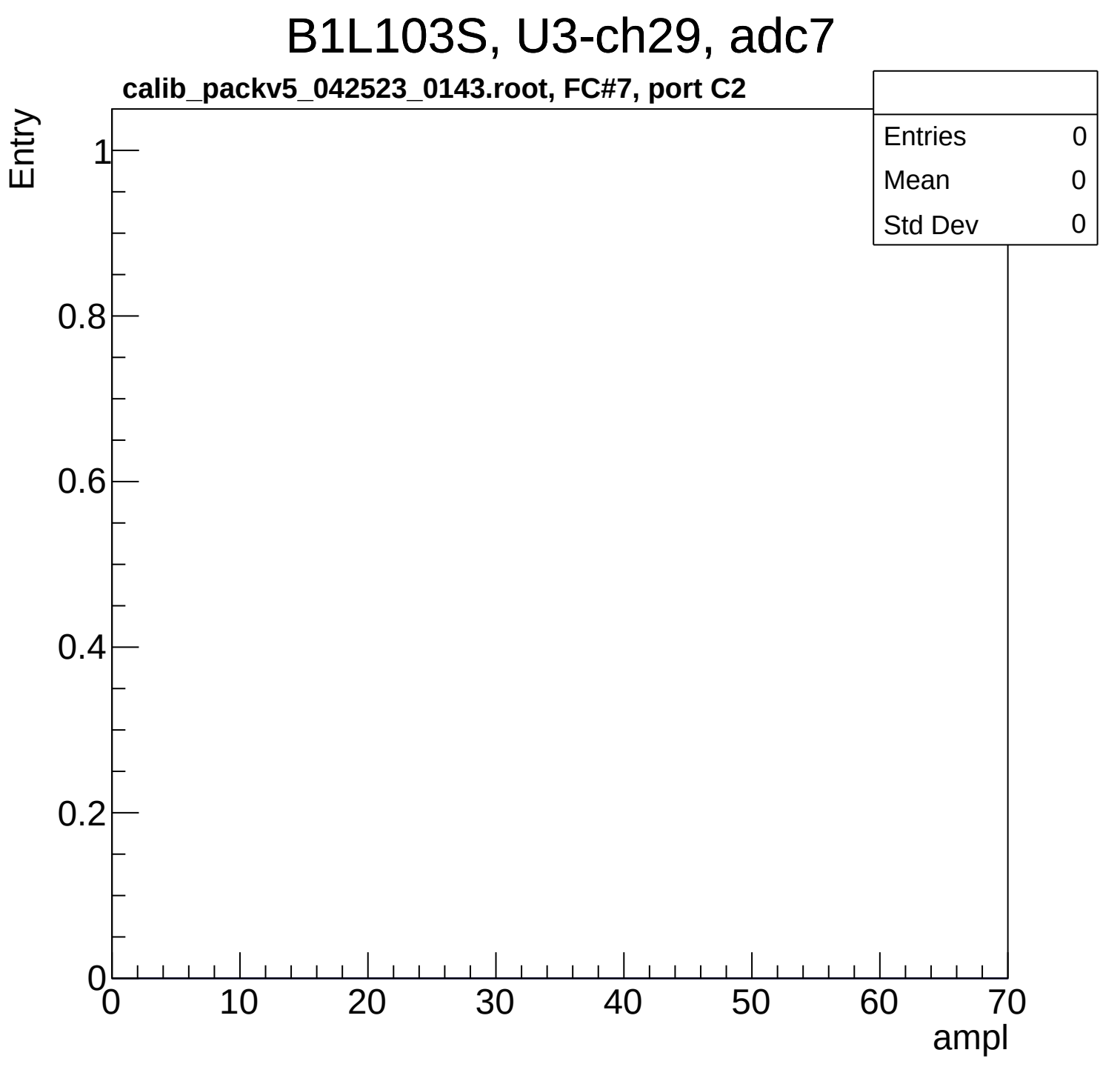
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch29, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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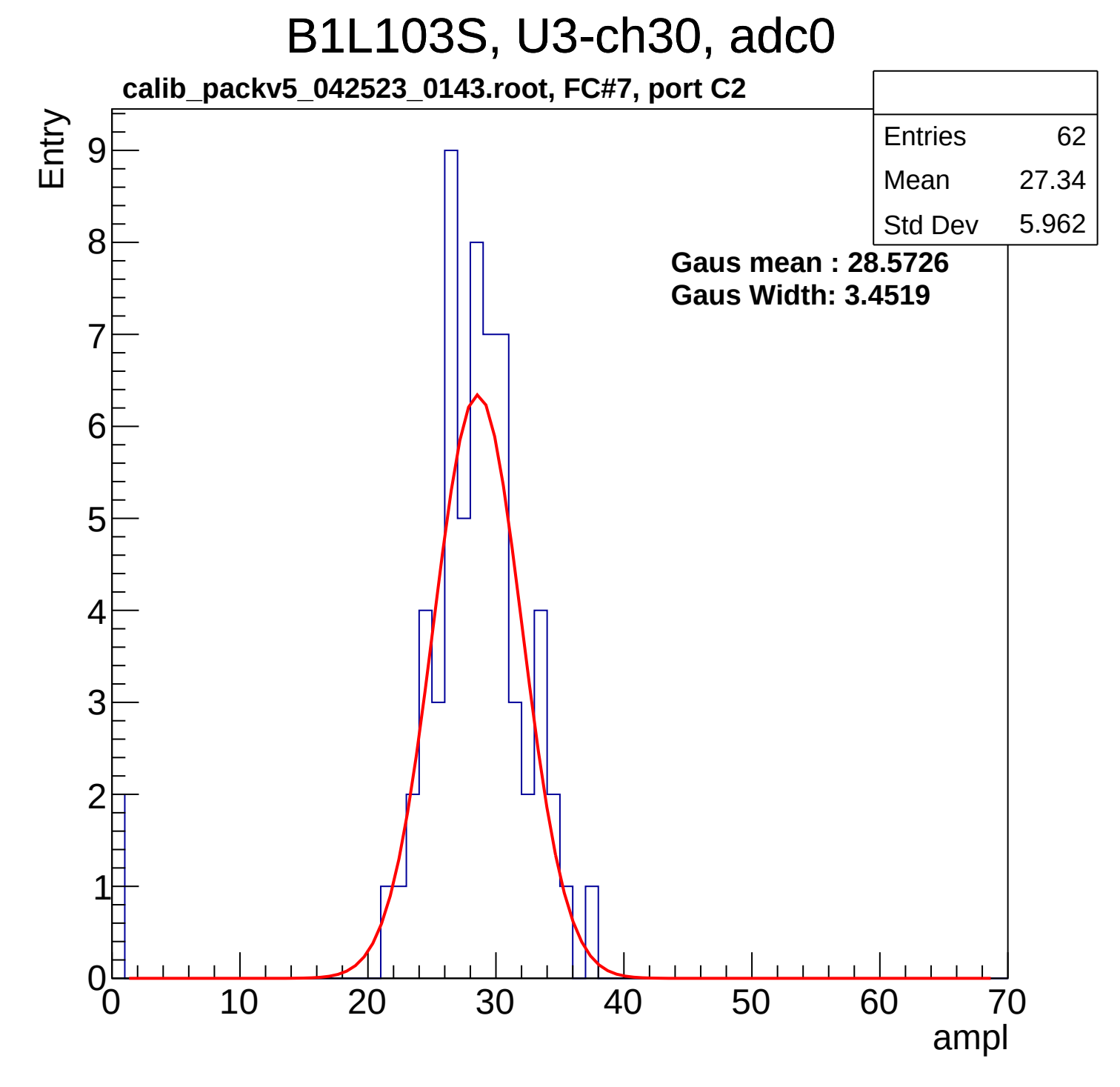
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch30, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 27.34
Std Dev 5.962
Gaus mean : 28.5726
Gaus Width: 3.4519
Entry
ampl
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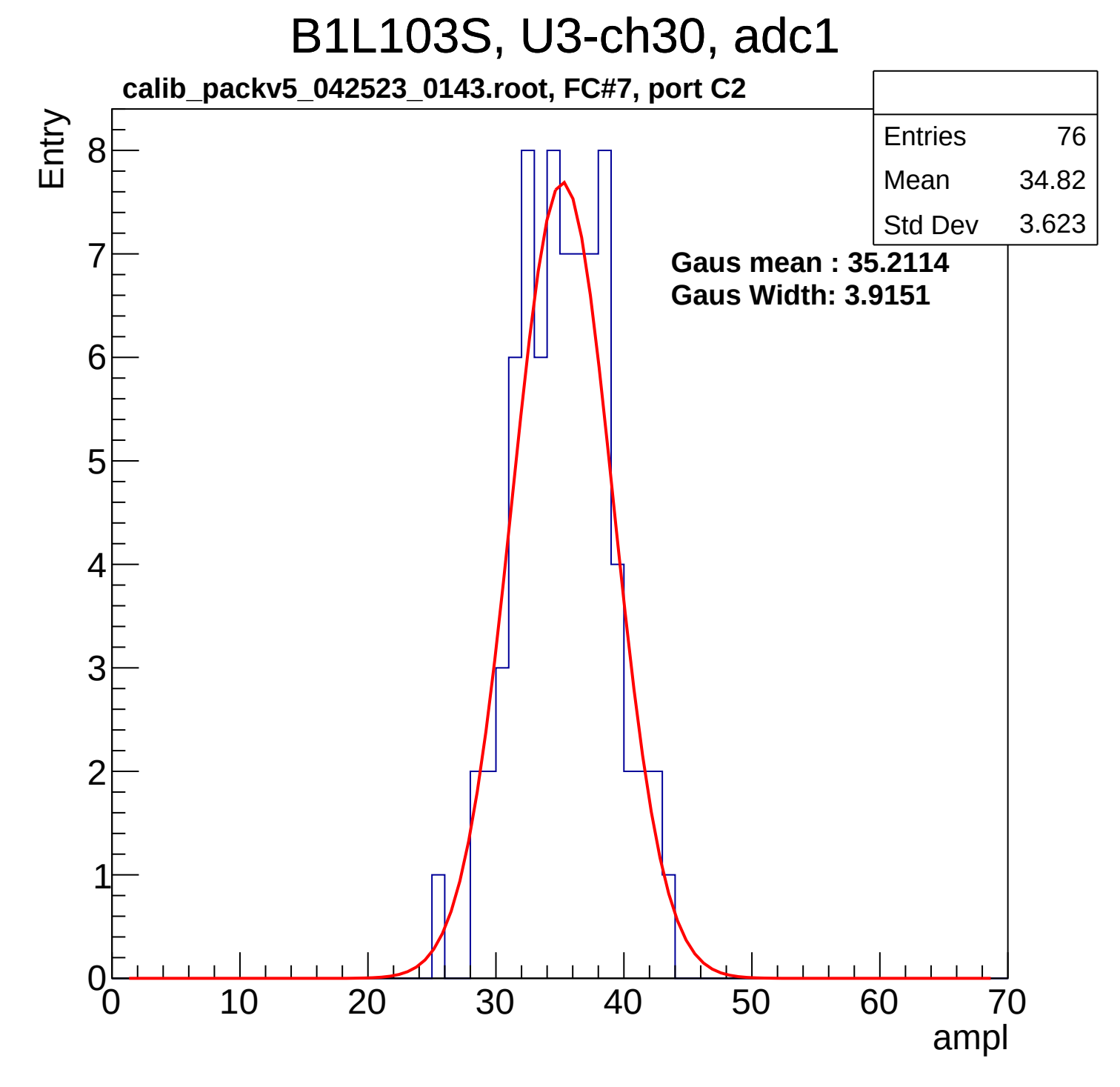
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch30, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 34.82
Std Dev 3.623
Gaus mean : 35.2114
Gaus Width: 3.9151
Entry
ampl
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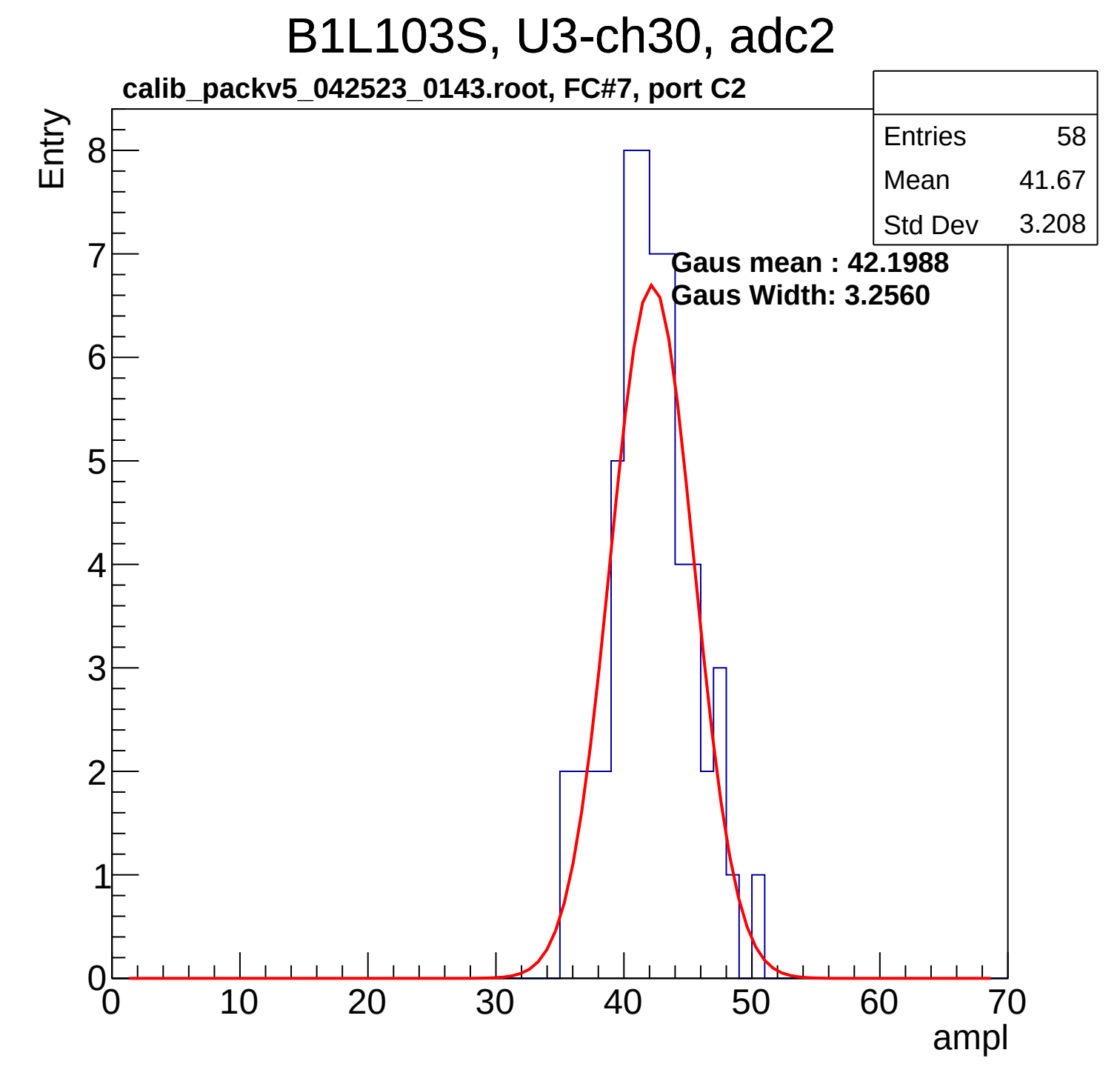
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch30, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 41.67
Std Dev 3.208
Gaus mean : 42.1988
Gaus Width: 3.2560
Entry
ampl
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1
2
3
4
5
6
7
8
0
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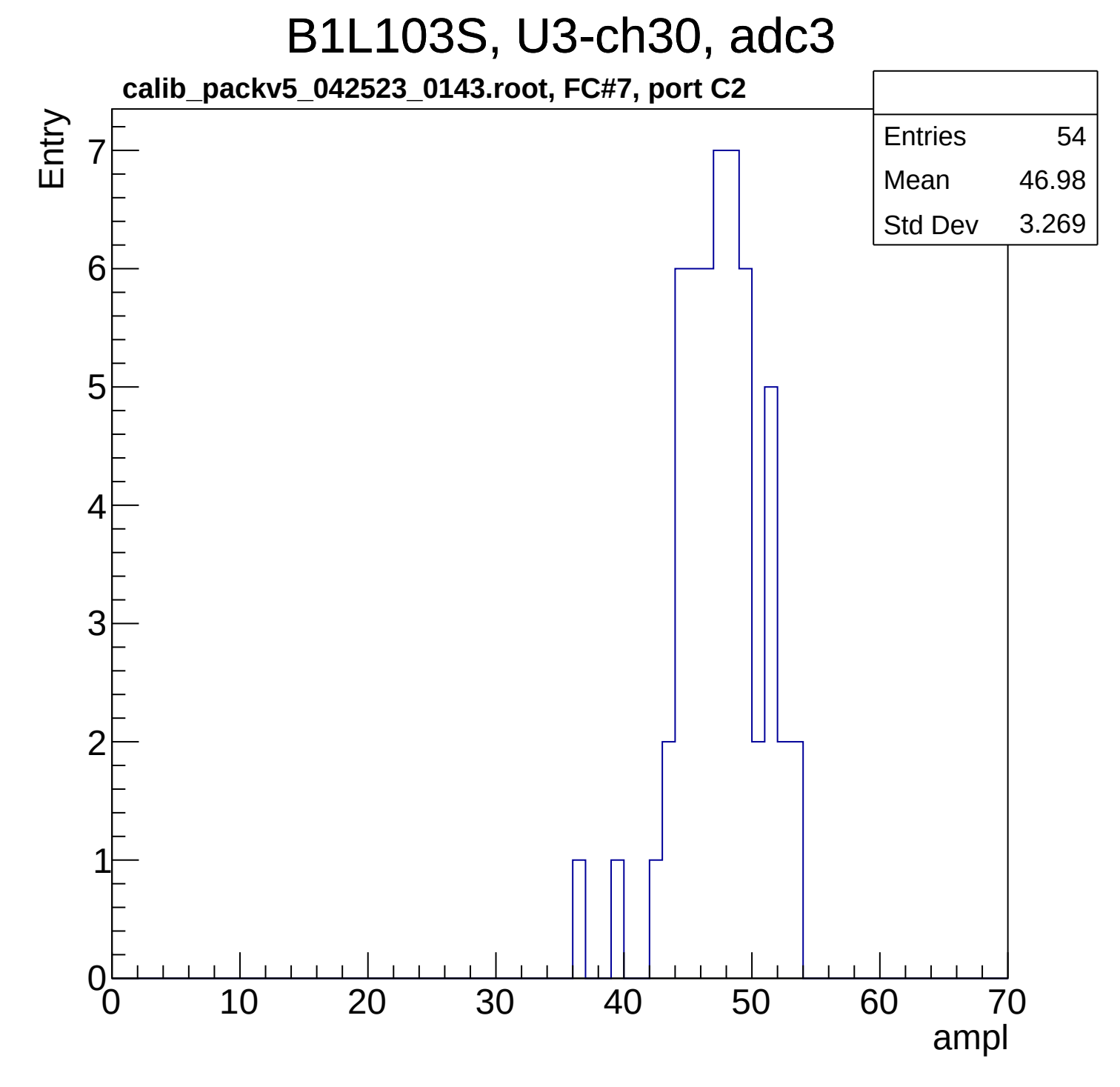
B1L103S, U3-ch30, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 46.98
Std Dev 3.269
Entry
ampl
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3
4
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7
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20
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60
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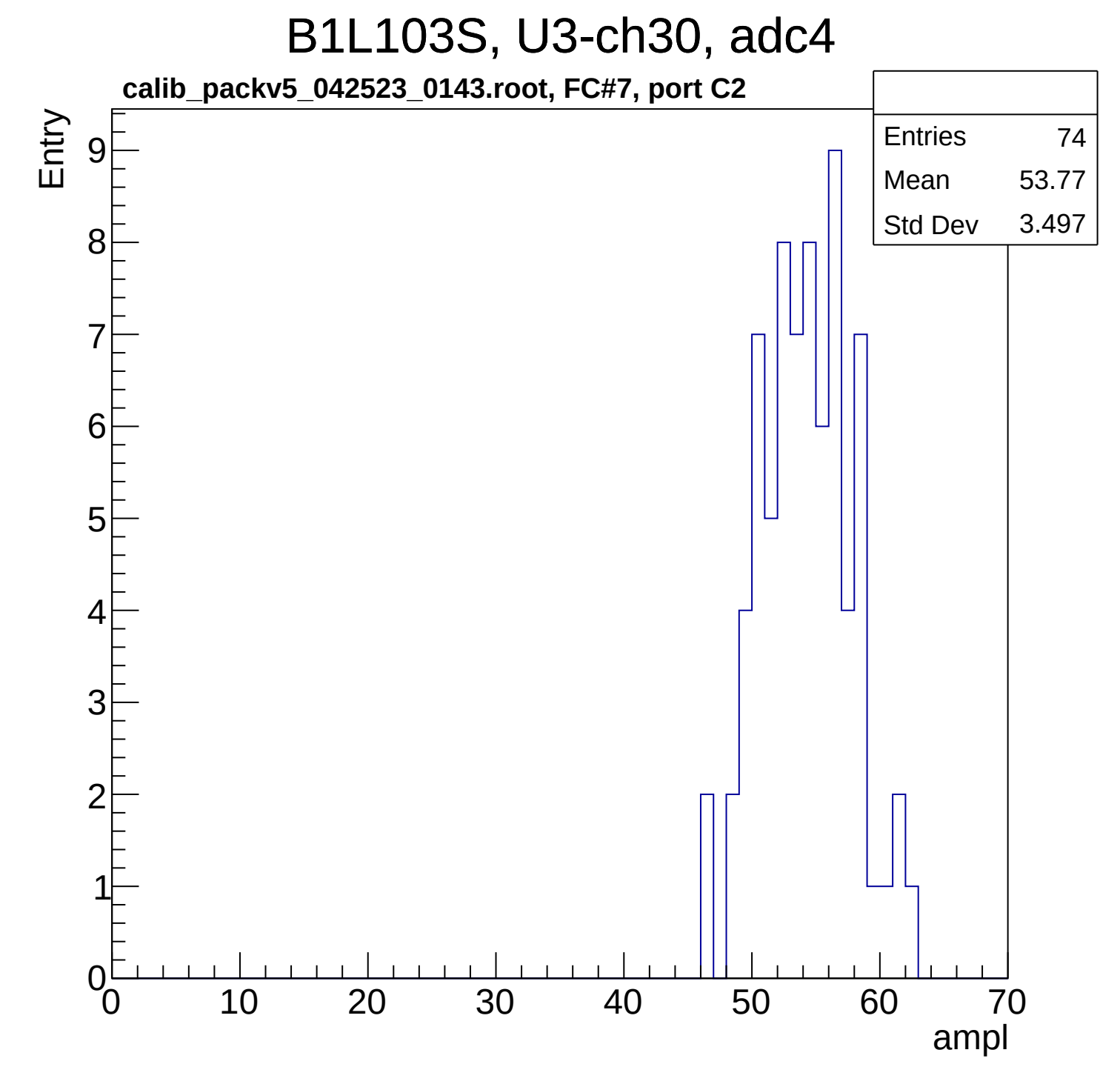
B1L103S, U3-ch30, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 53.77
Std Dev 3.497
Entry
ampl
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3
4
5
6
7
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40
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60
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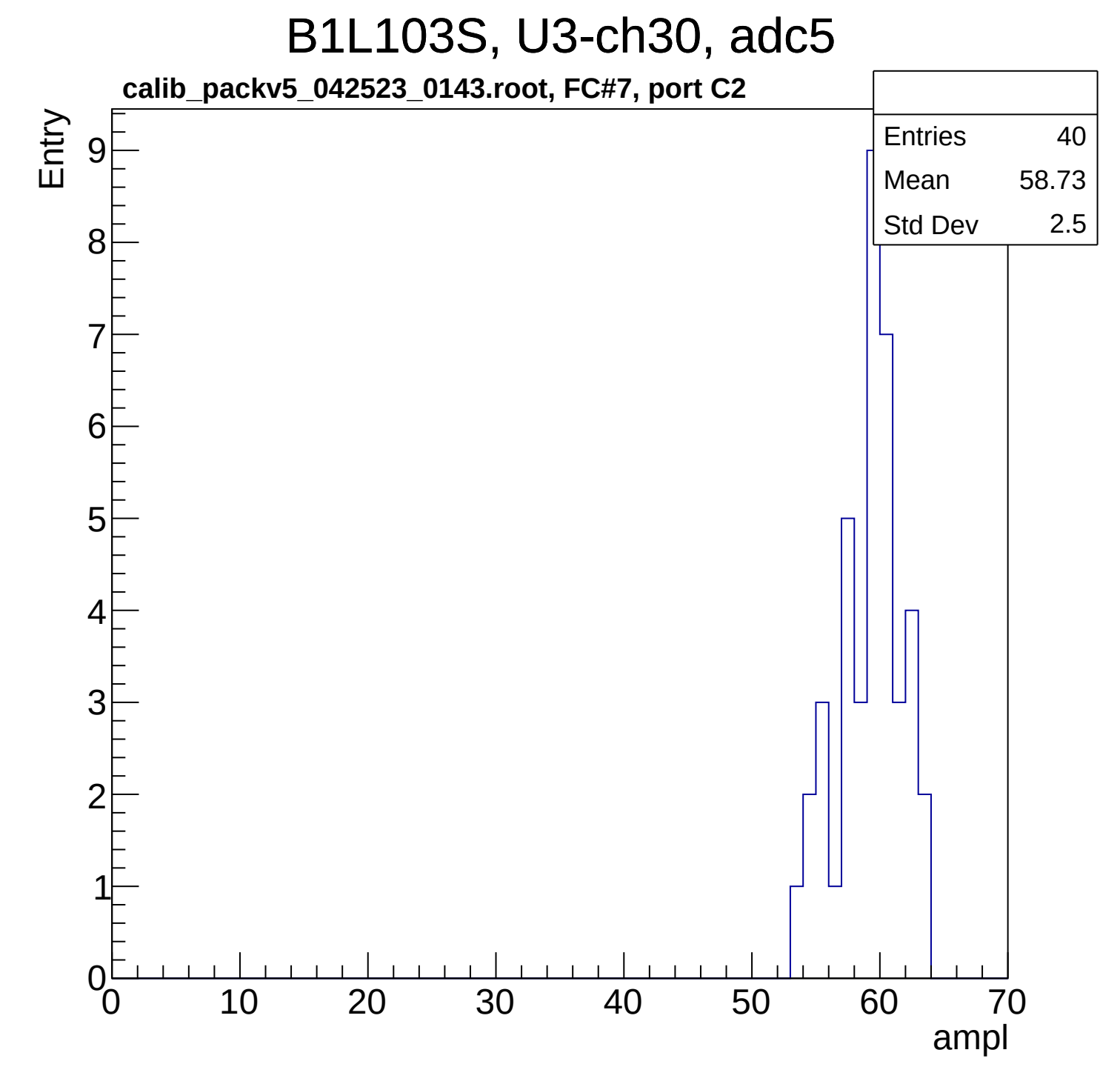
B1L103S, U3-ch30, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 40
Mean 58.73
Std Dev 2.5
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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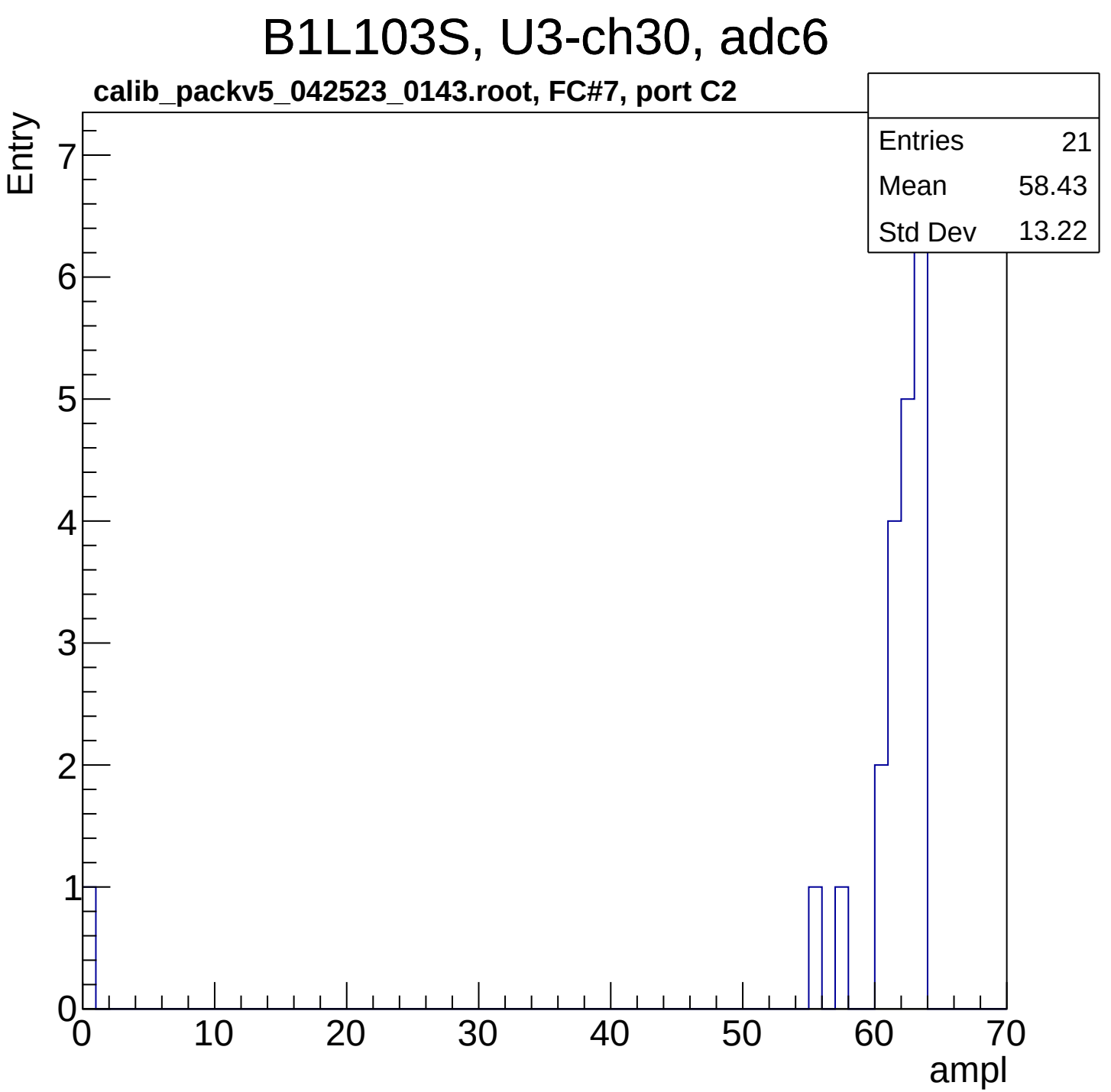
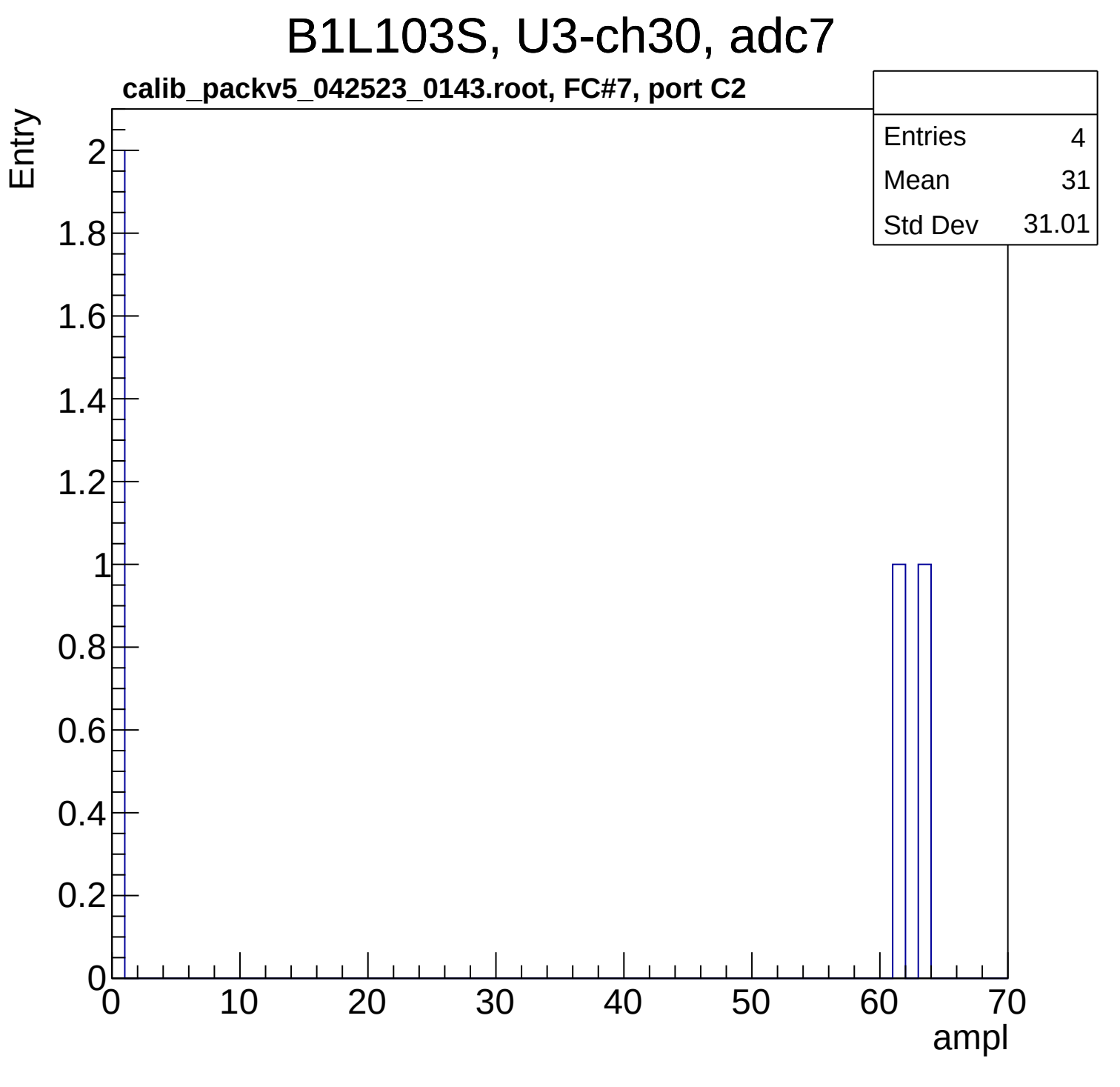

B1L103S, U3-ch30, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 21
Mean 58.43
Std Dev 13.22
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch30, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 31
Std Dev 31.01
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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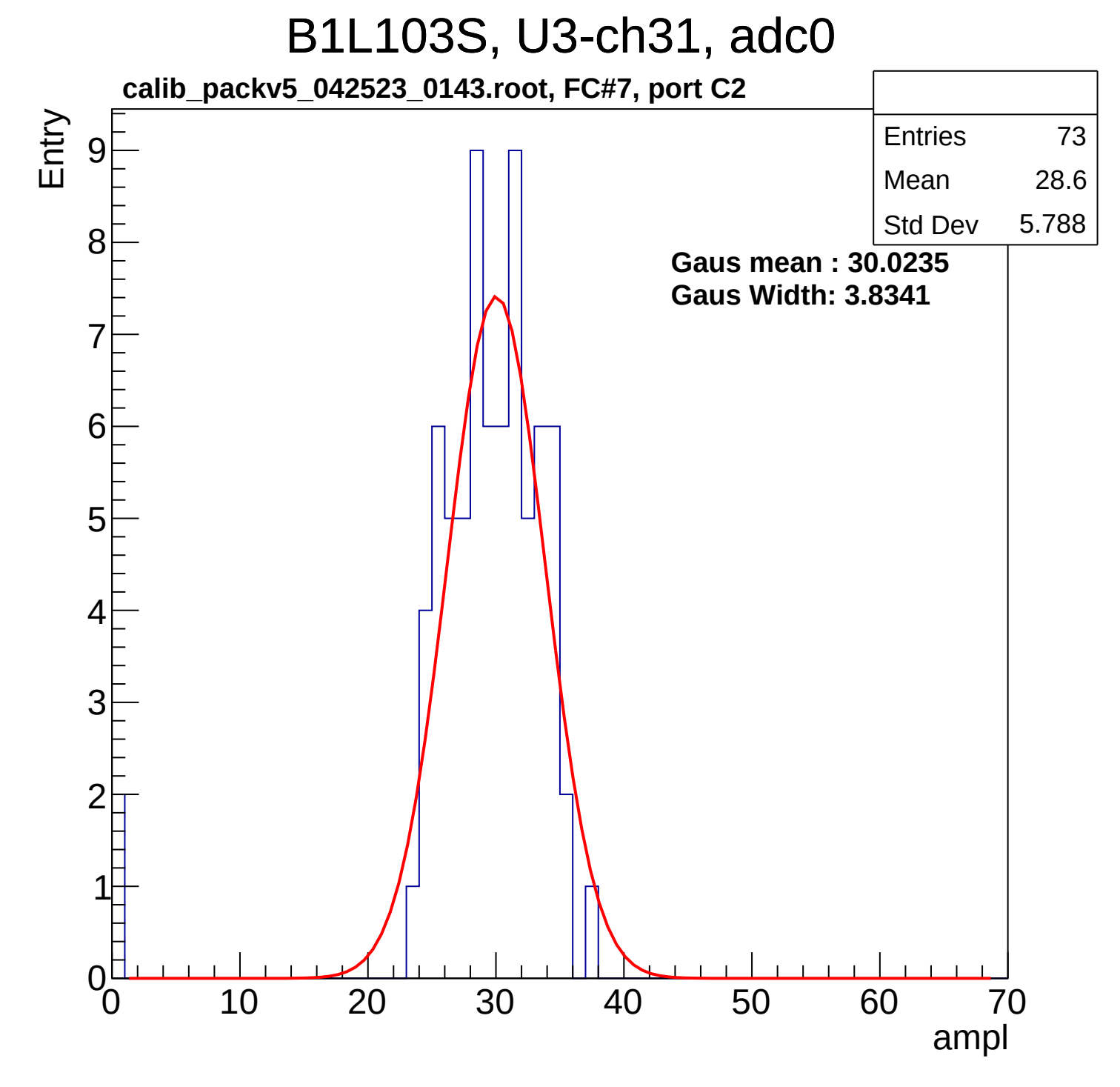
B1L103S, U3-ch31, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 28.6
Std Dev 5.788
Gaus mean : 30.0235
Gaus Width: 3.8341
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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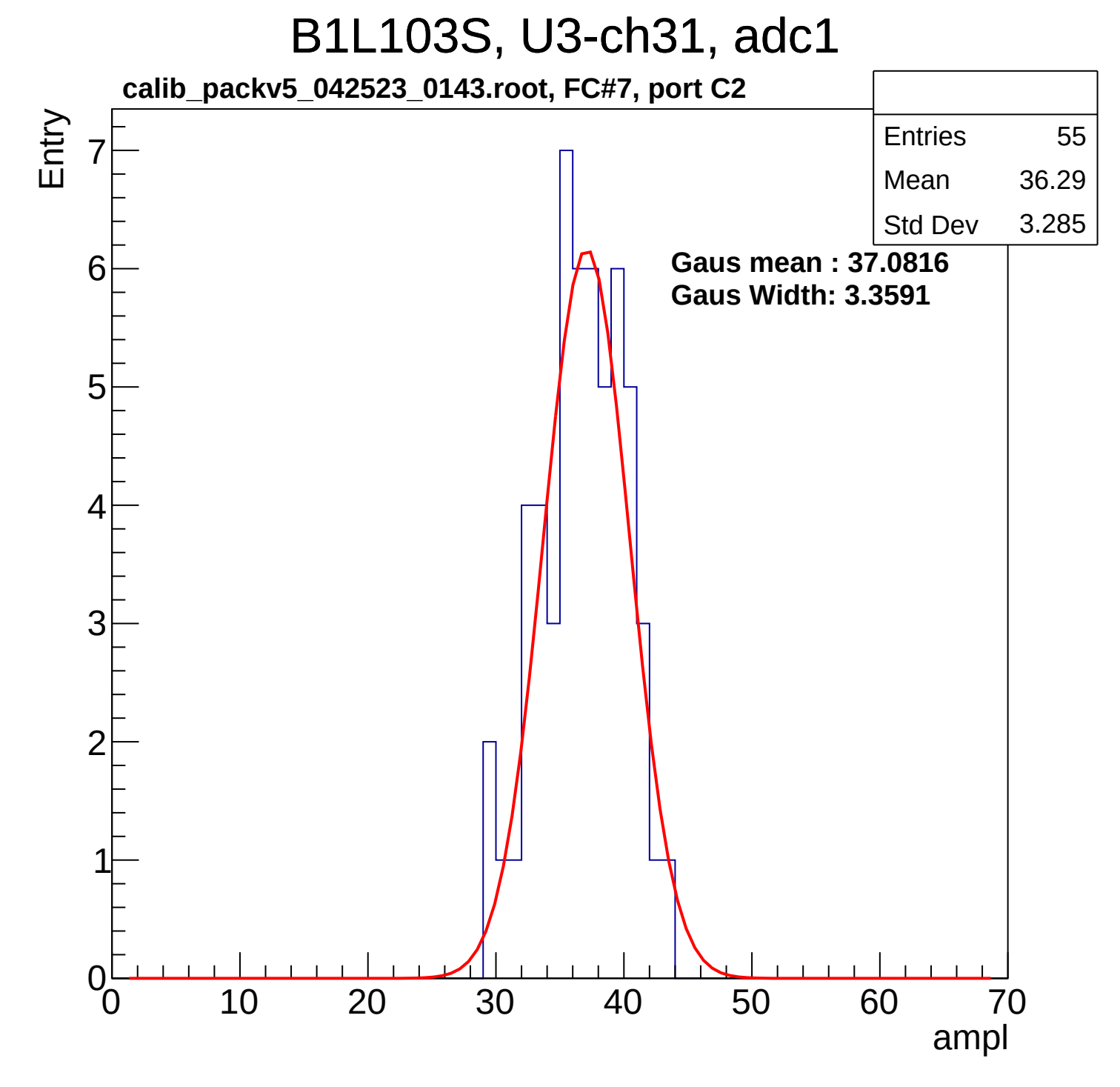
B1L103S, U3-ch31, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 36.29
Std Dev 3.285
Gaus mean : 37.0816
Gaus Width: 3.3591
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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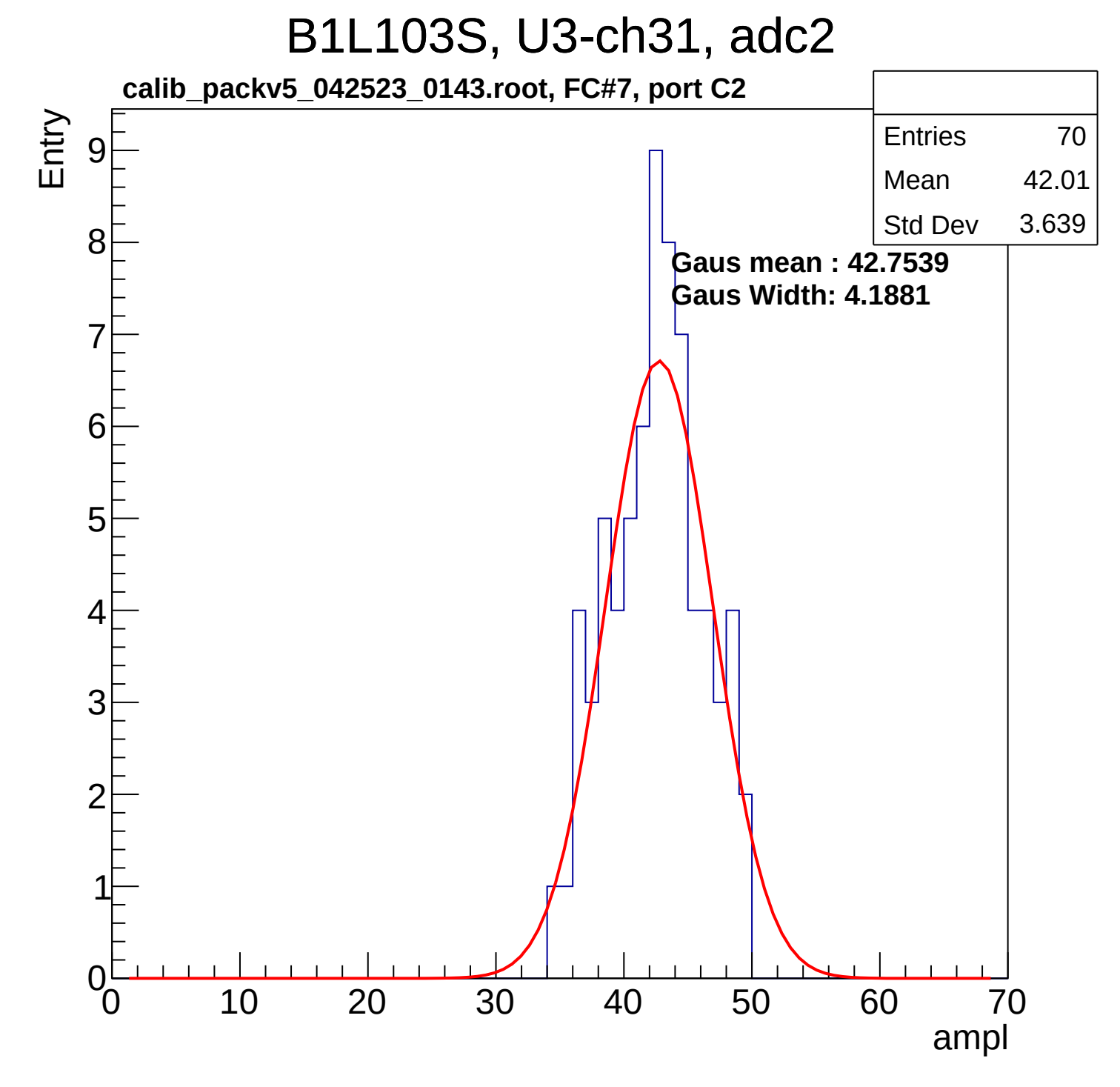
B1L103S, U3-ch31, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 42.01
Std Dev 3.639
Gaus mean : 42.7539
Gaus Width: 4.1881
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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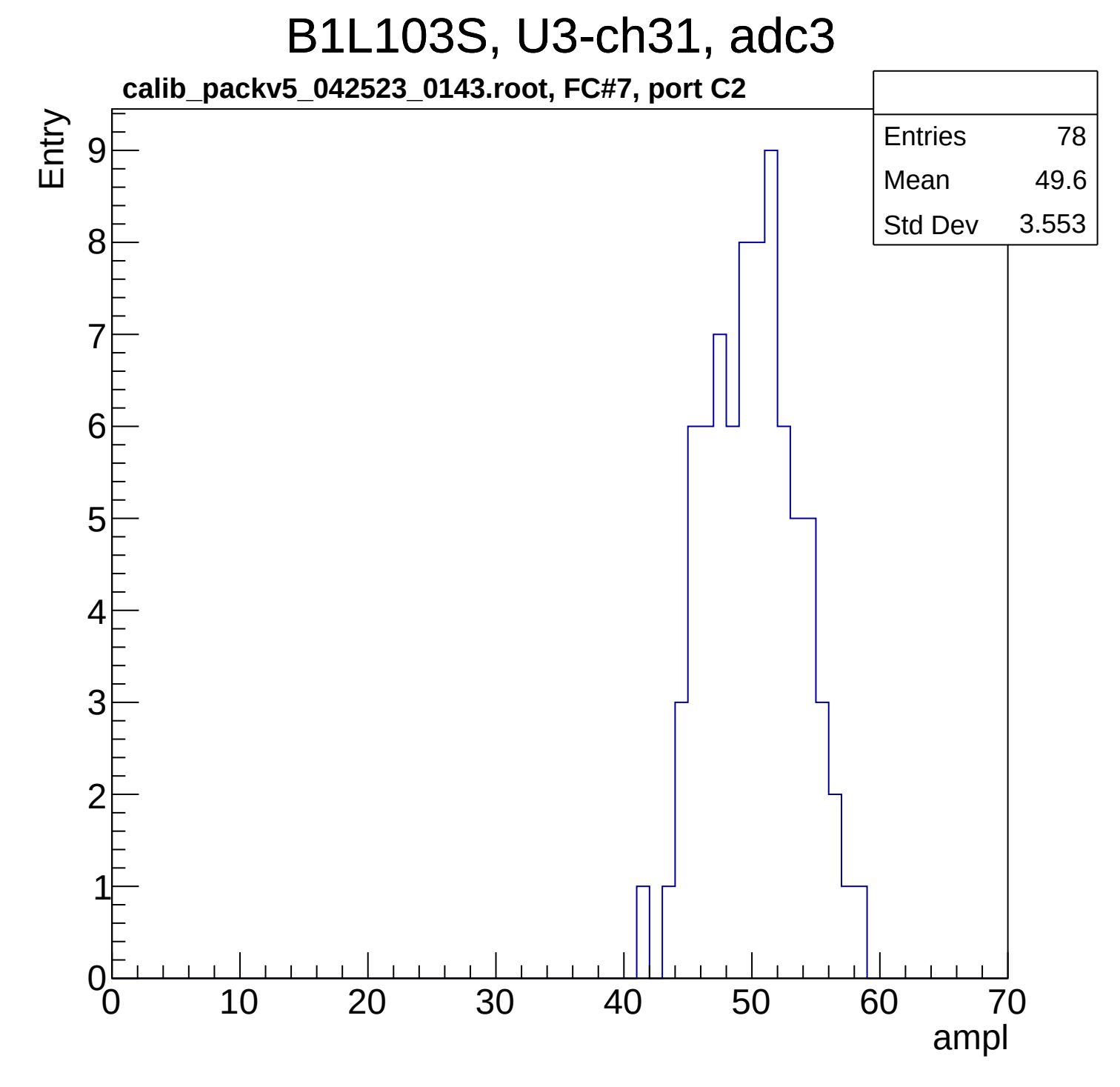
B1L103S, U3-ch31, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 78
Mean 49.6
Std Dev 3.553
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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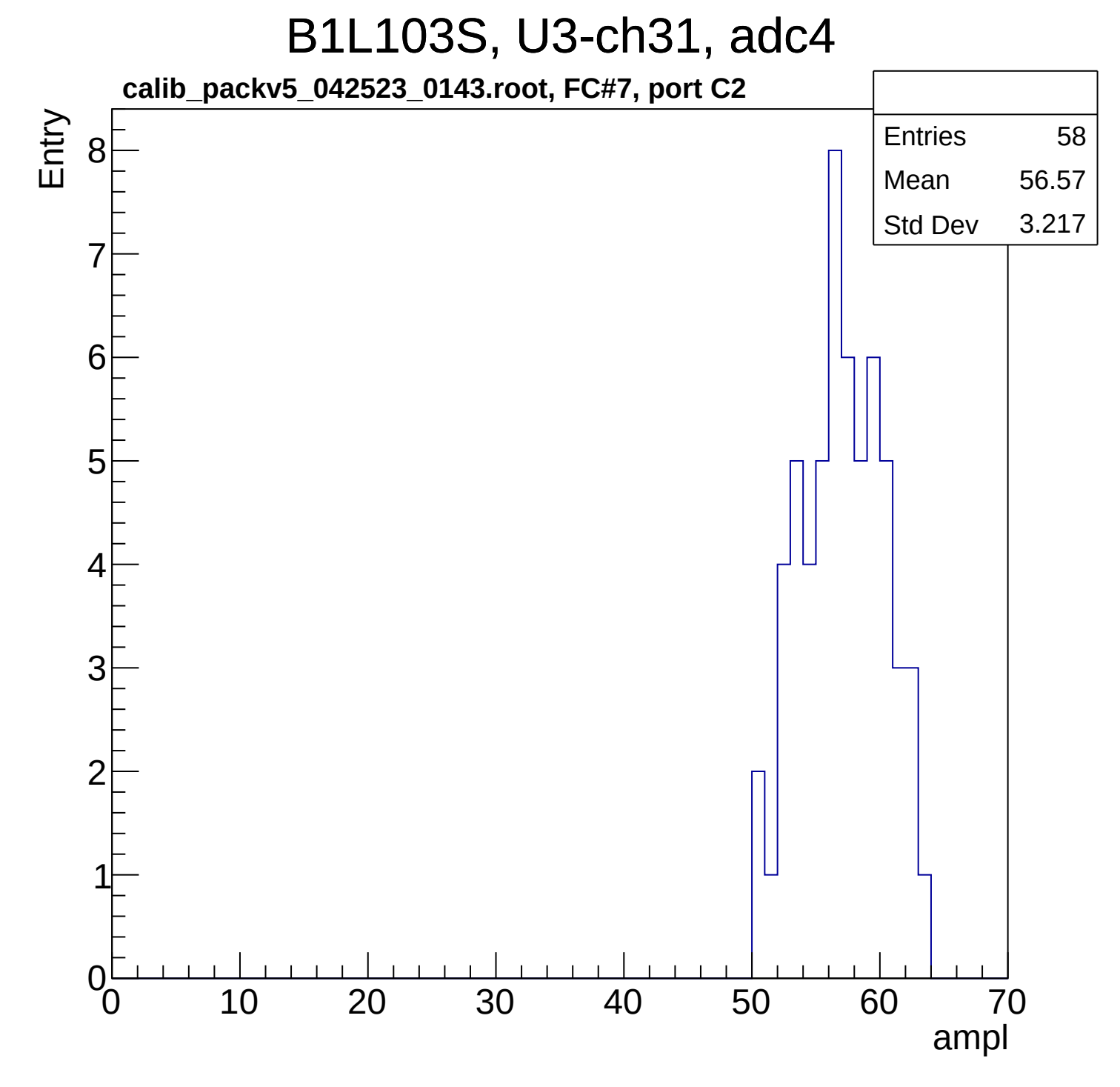
B1L103S, U3-ch31, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 56.57
Std Dev 3.217
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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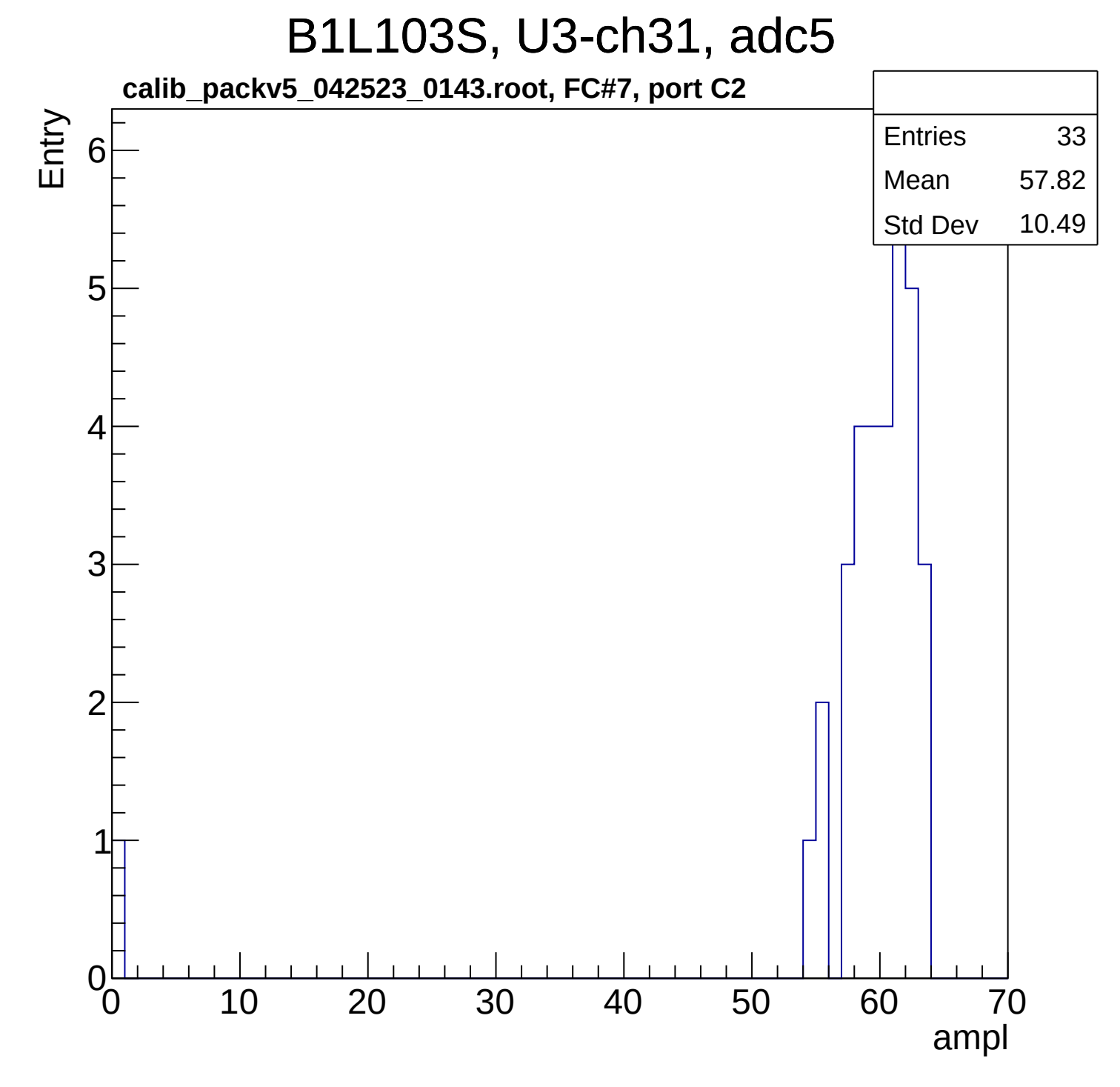
B1L103S, U3-ch31, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 33
Mean 57.82
Std Dev 10.49
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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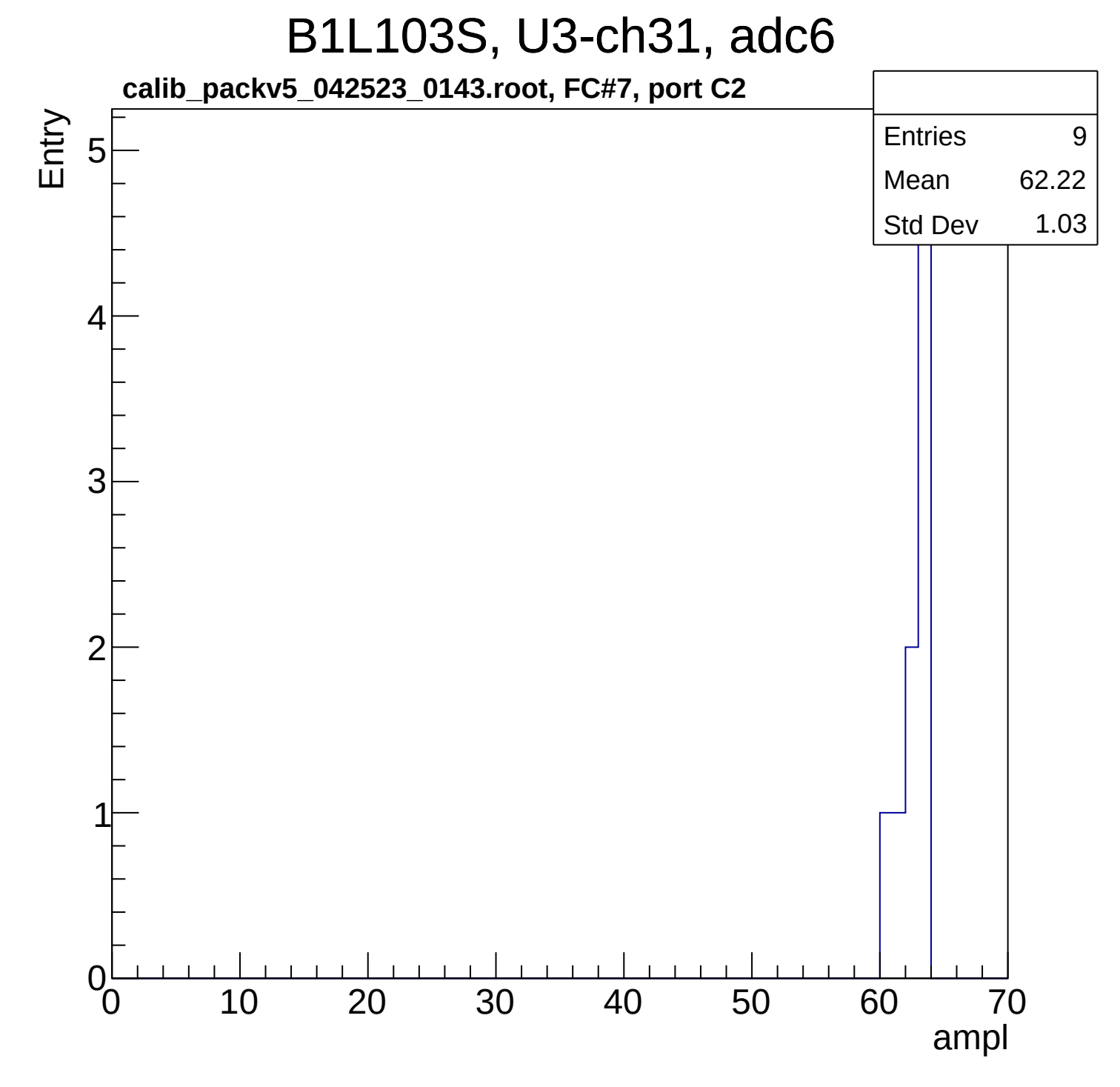
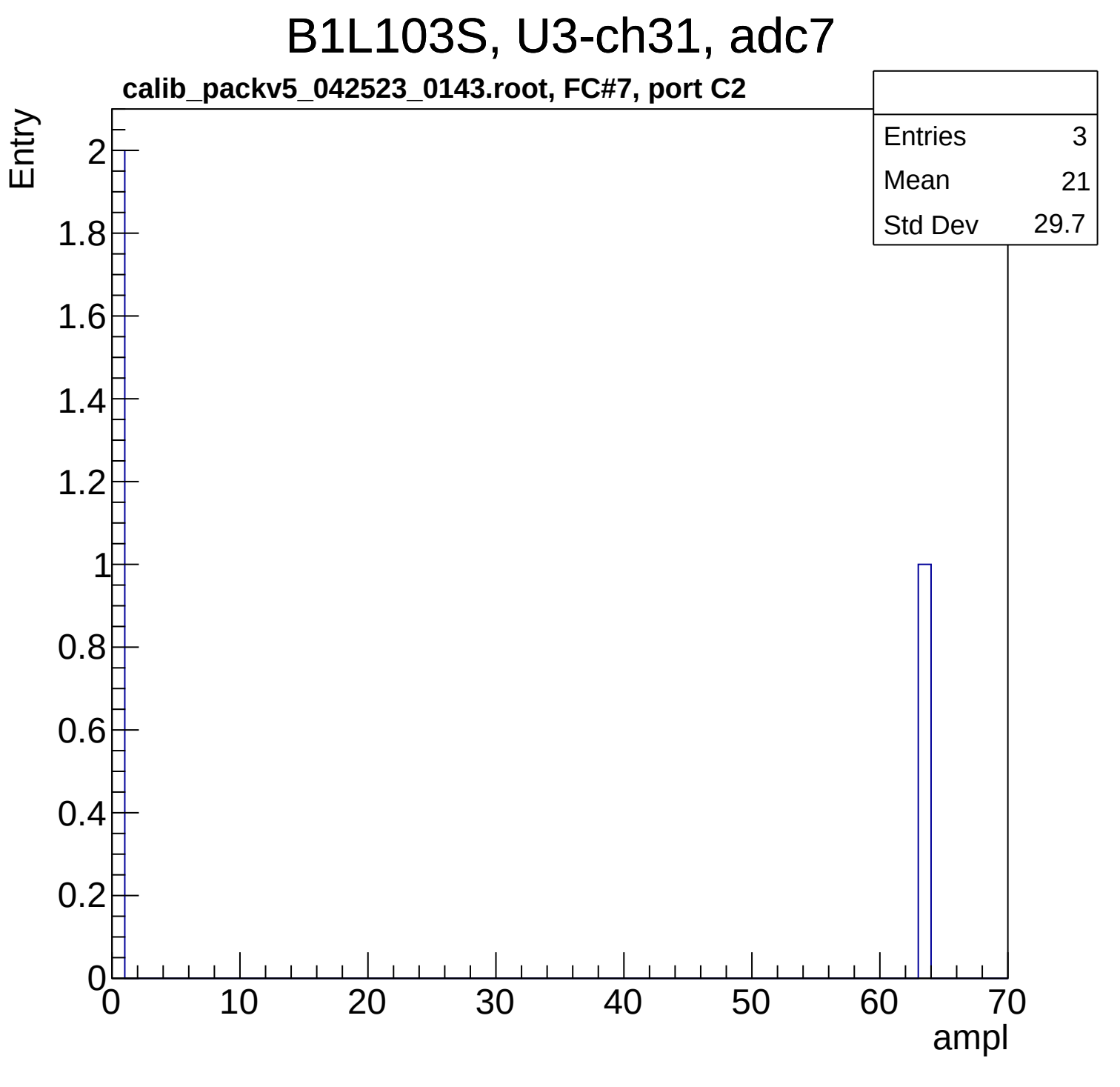
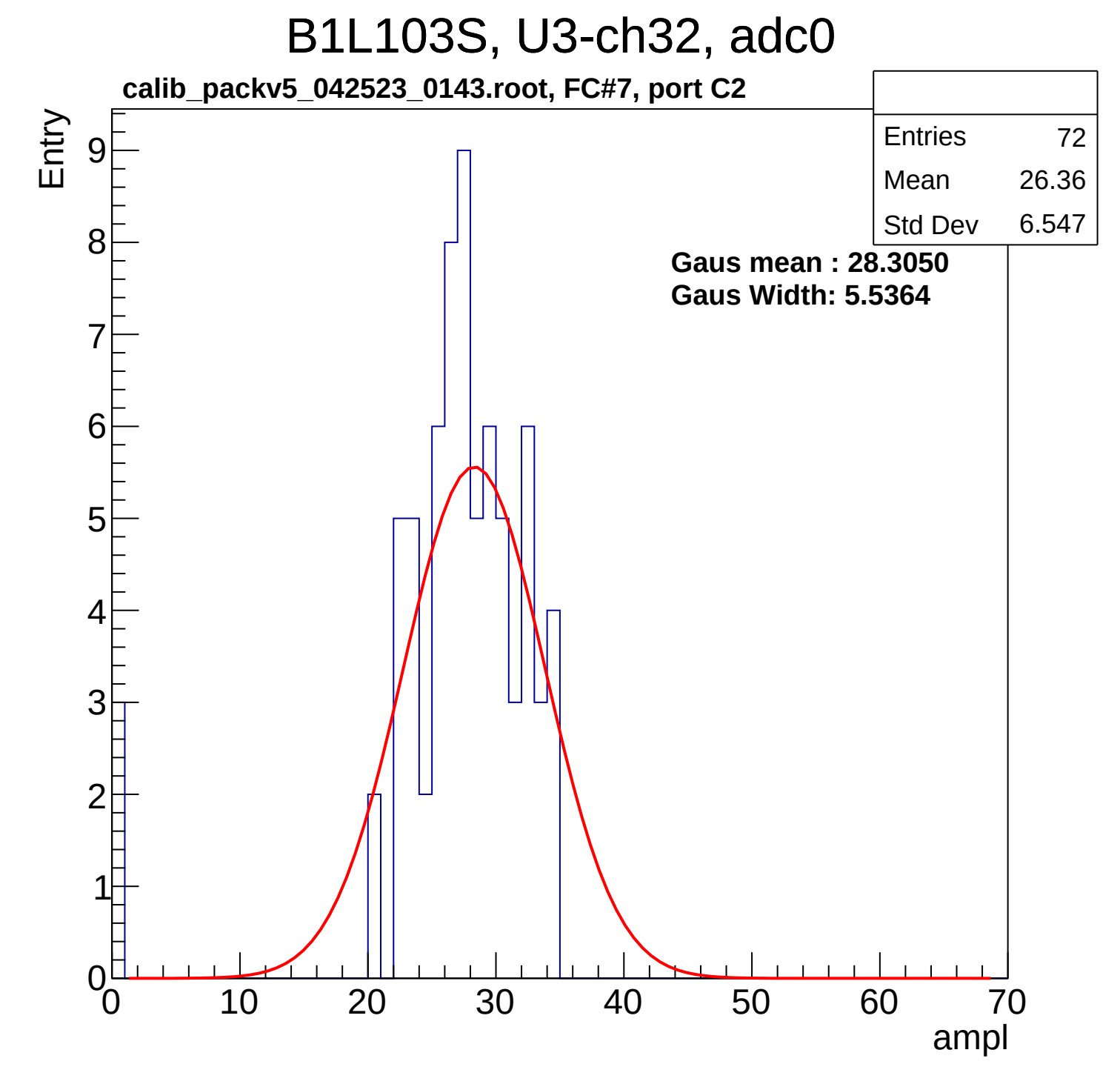

B1L103S, U3-ch31, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 62.22
Std Dev 1.03
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B1L103S, U3-ch31, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 21
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B1L103S, U3-ch32, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 26.36
Std Dev 6.547
Gaus mean : 28.3050
Gaus Width: 5.5364
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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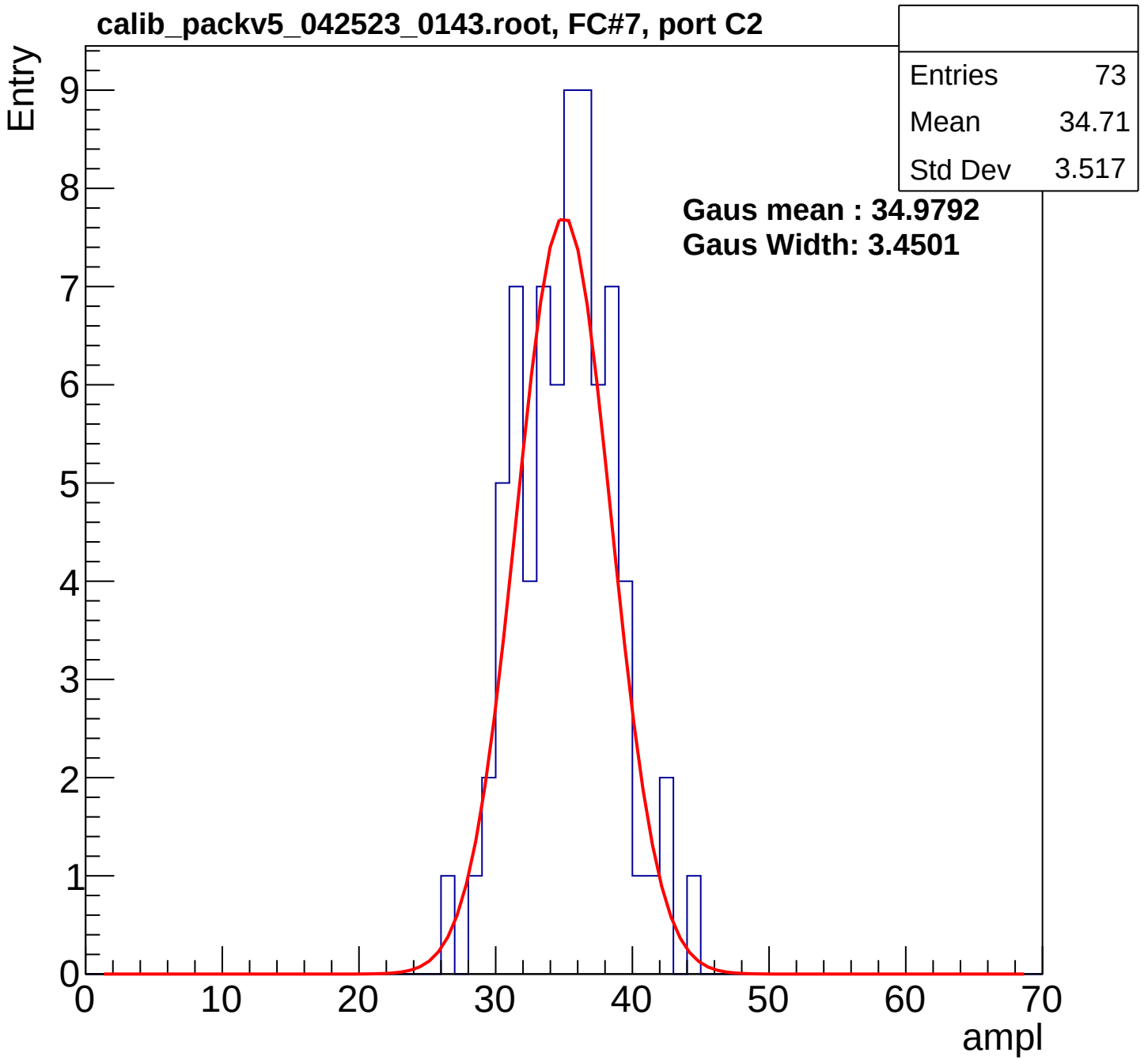
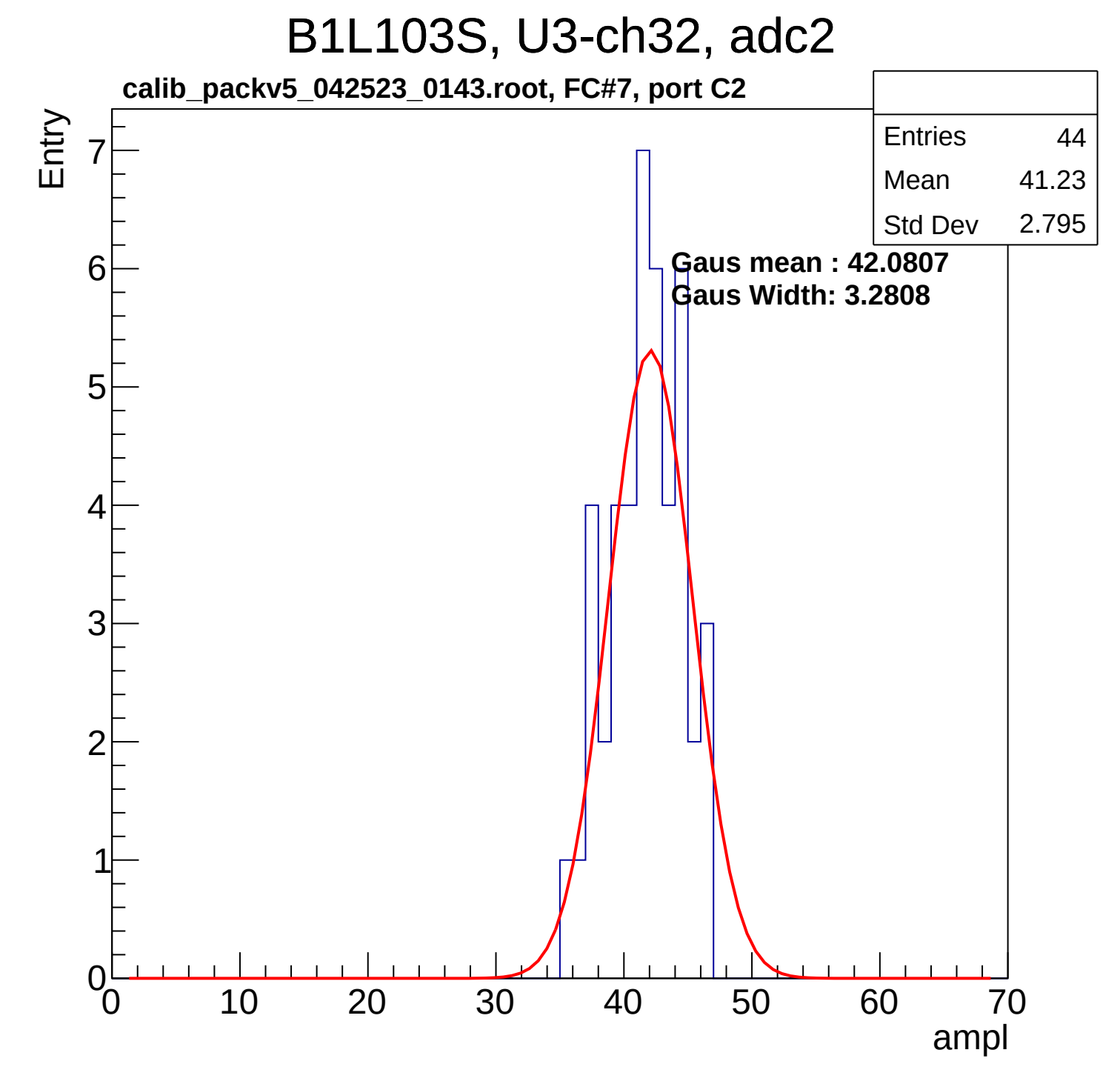

B1L103S, U3-ch32, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 34.71
Std Dev 3.517
Gaus mean : 34.9792
Gaus Width: 3.4501
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B1L103S, U3-ch32, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 41.23
Std Dev 2.795
Gaus mean : 42.0807
Gaus Width: 3.2808
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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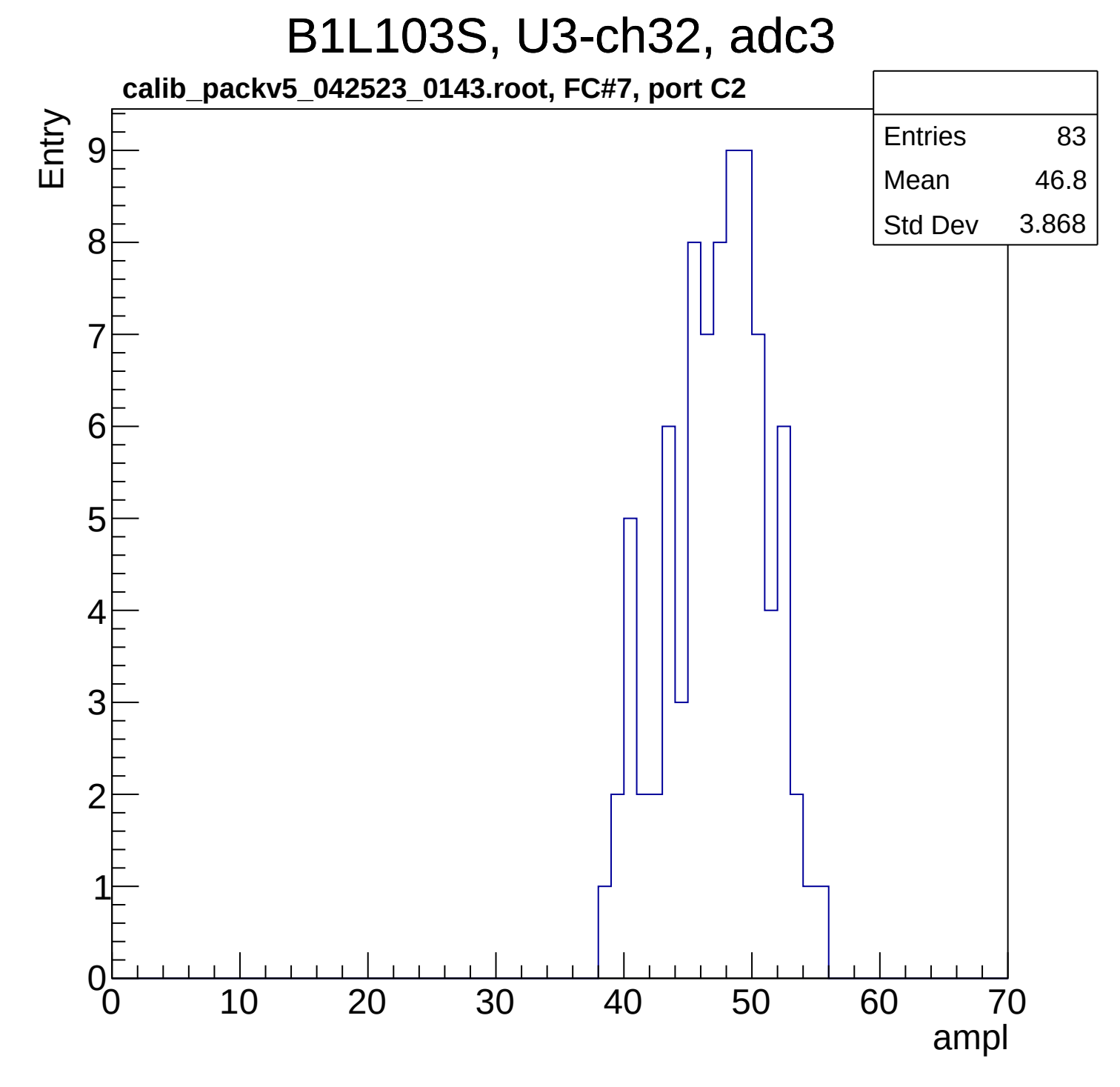
B1L103S, U3-ch32, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 83
Mean 46.8
Std Dev 3.868
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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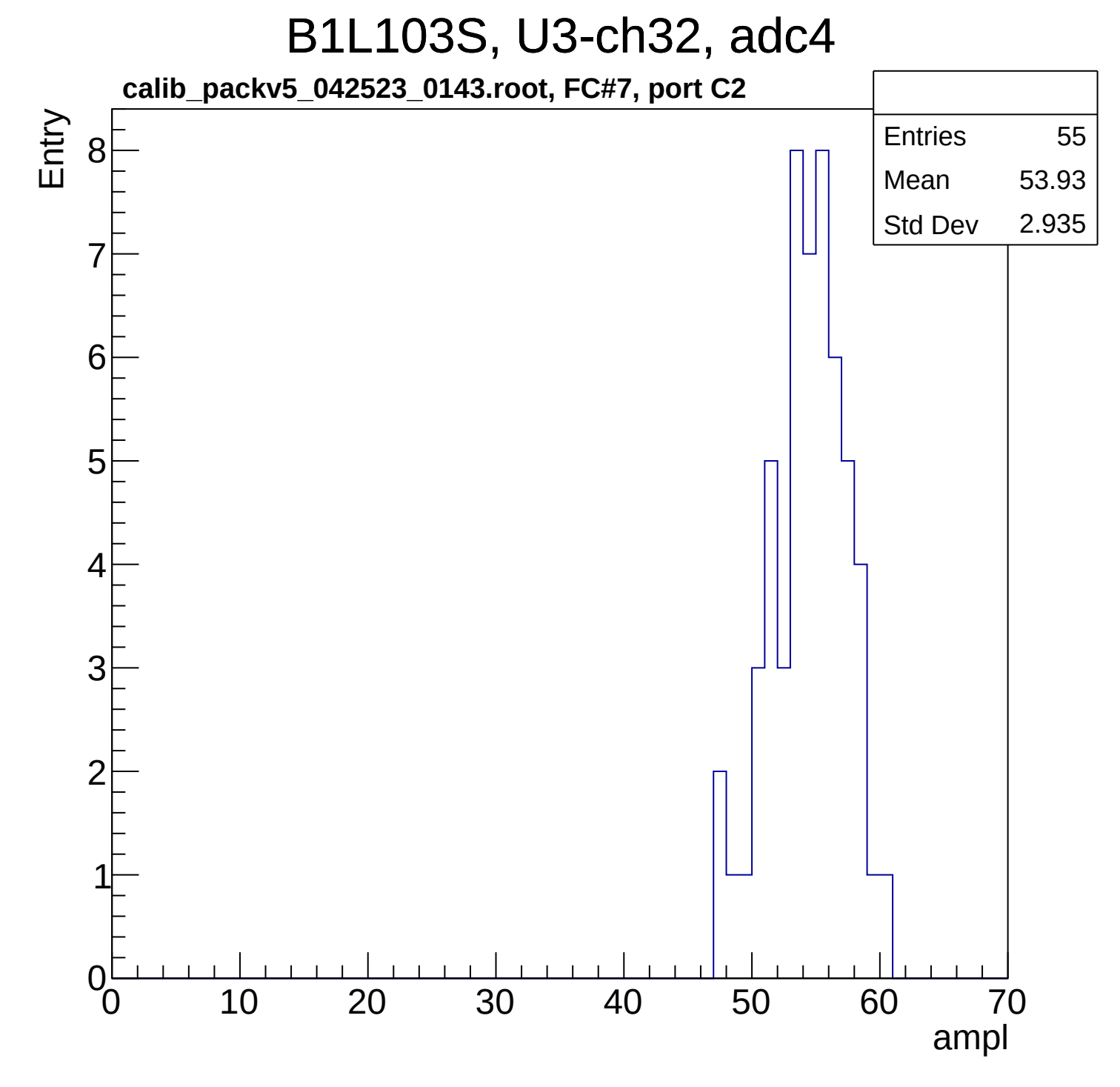
B1L103S, U3-ch32, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 53.93
Std Dev 2.935
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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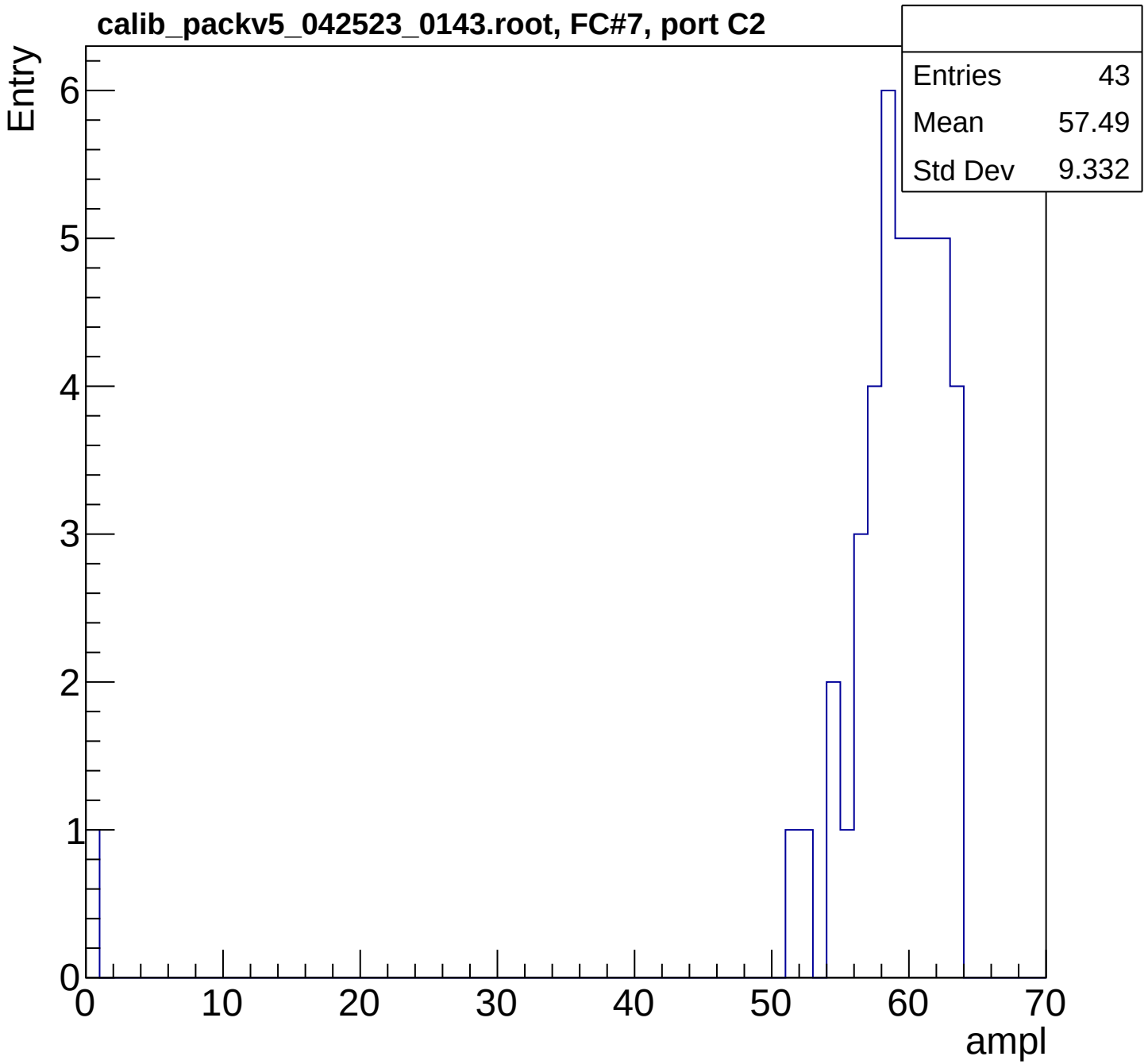
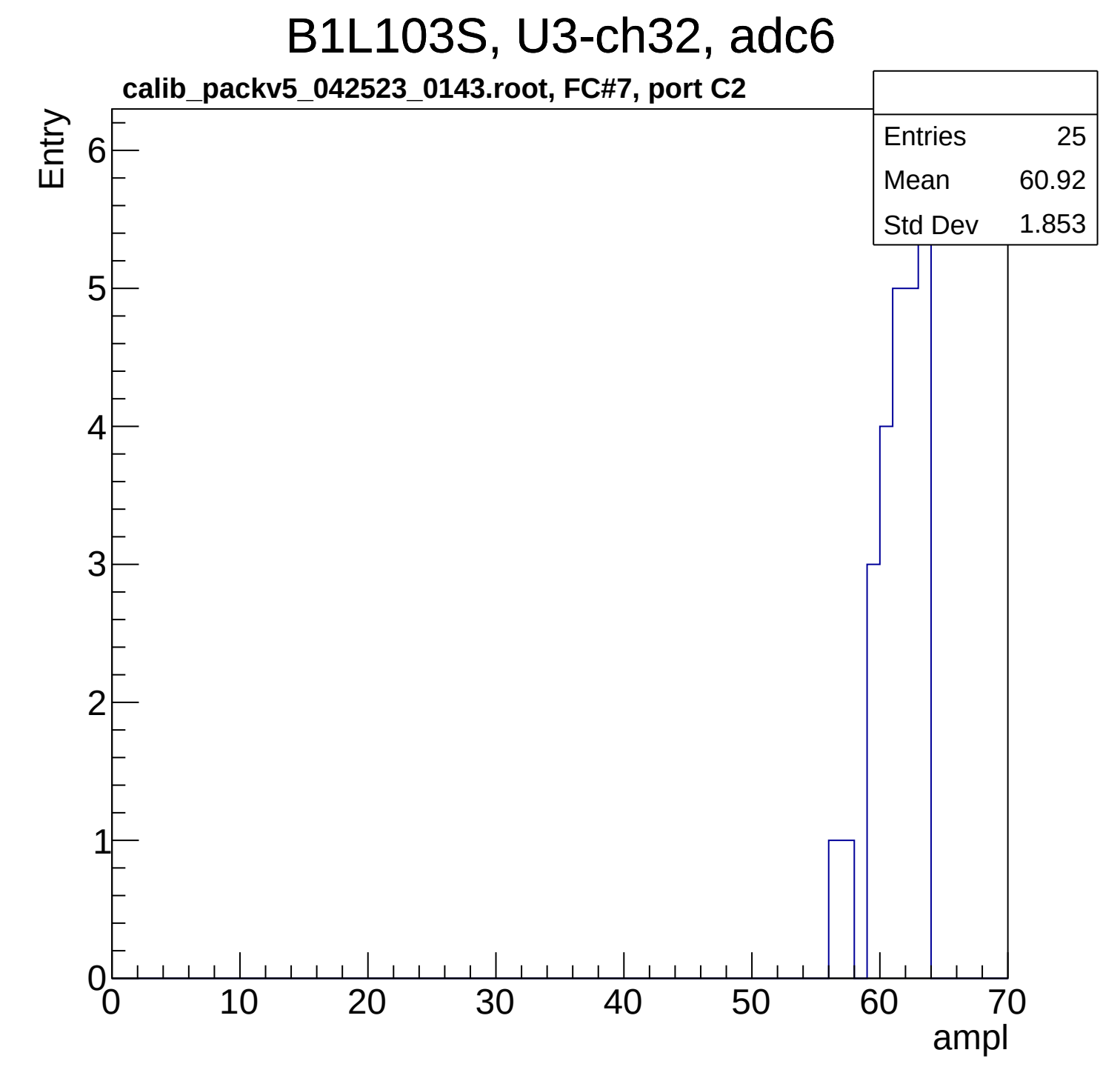
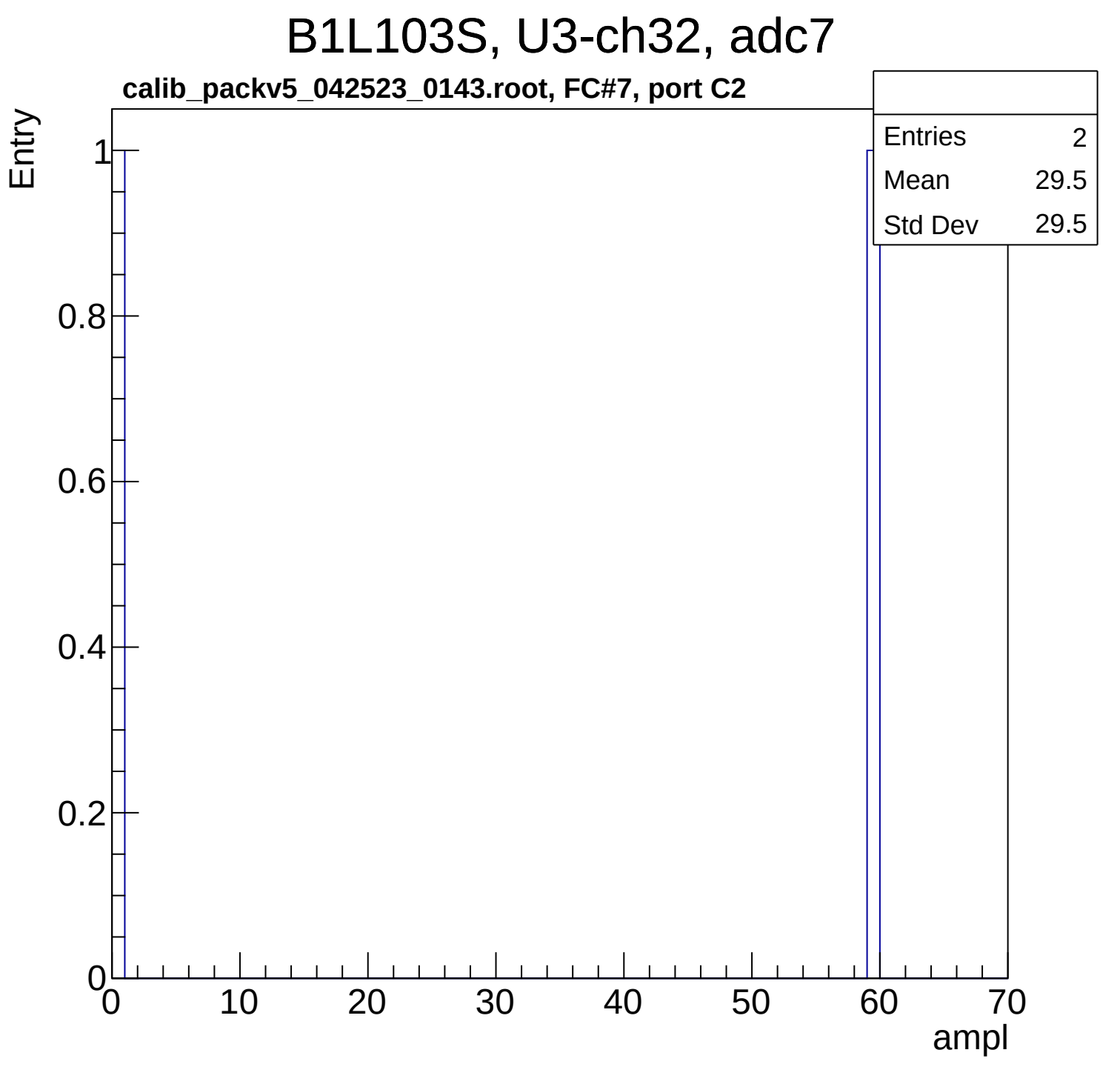
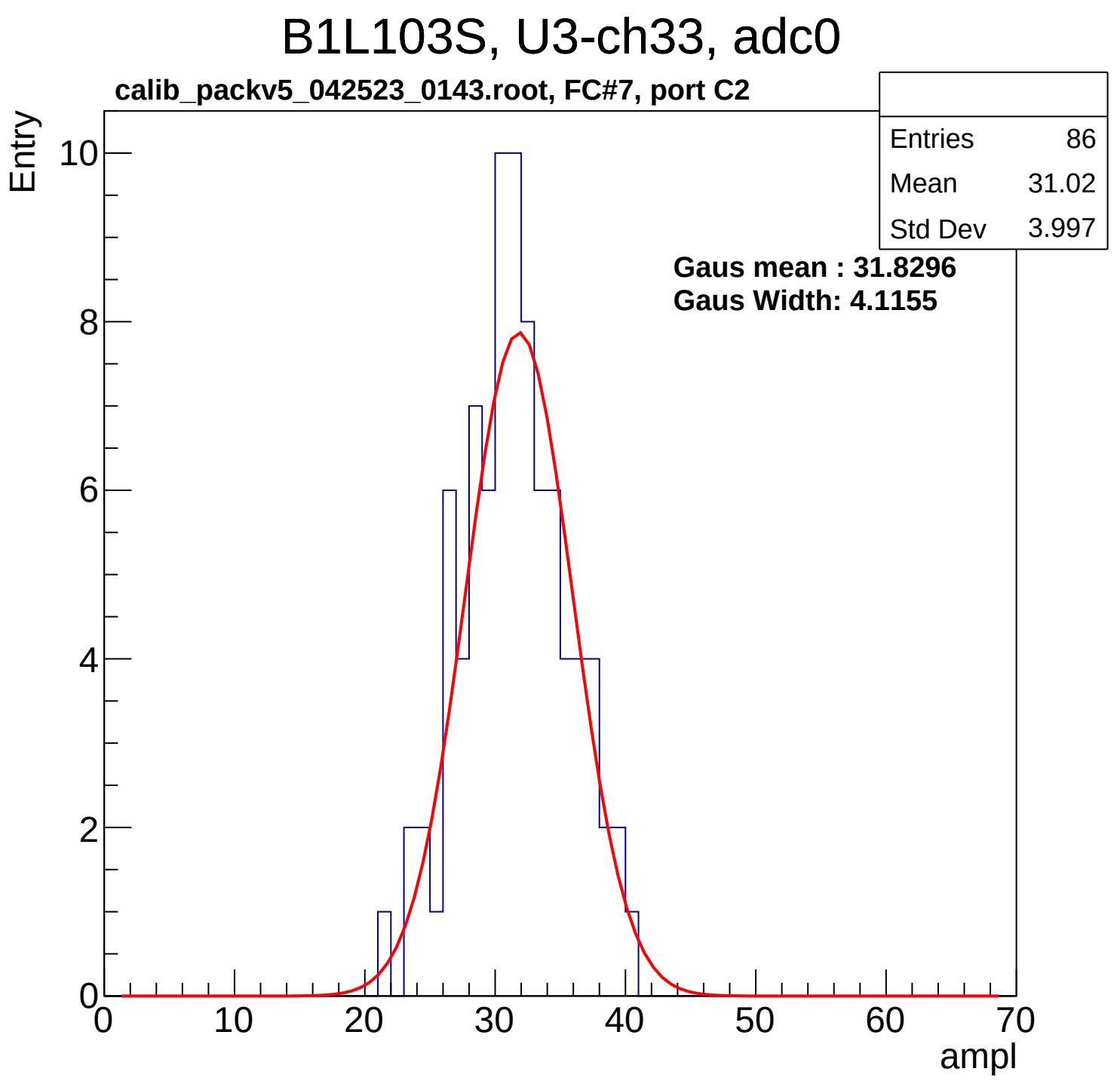
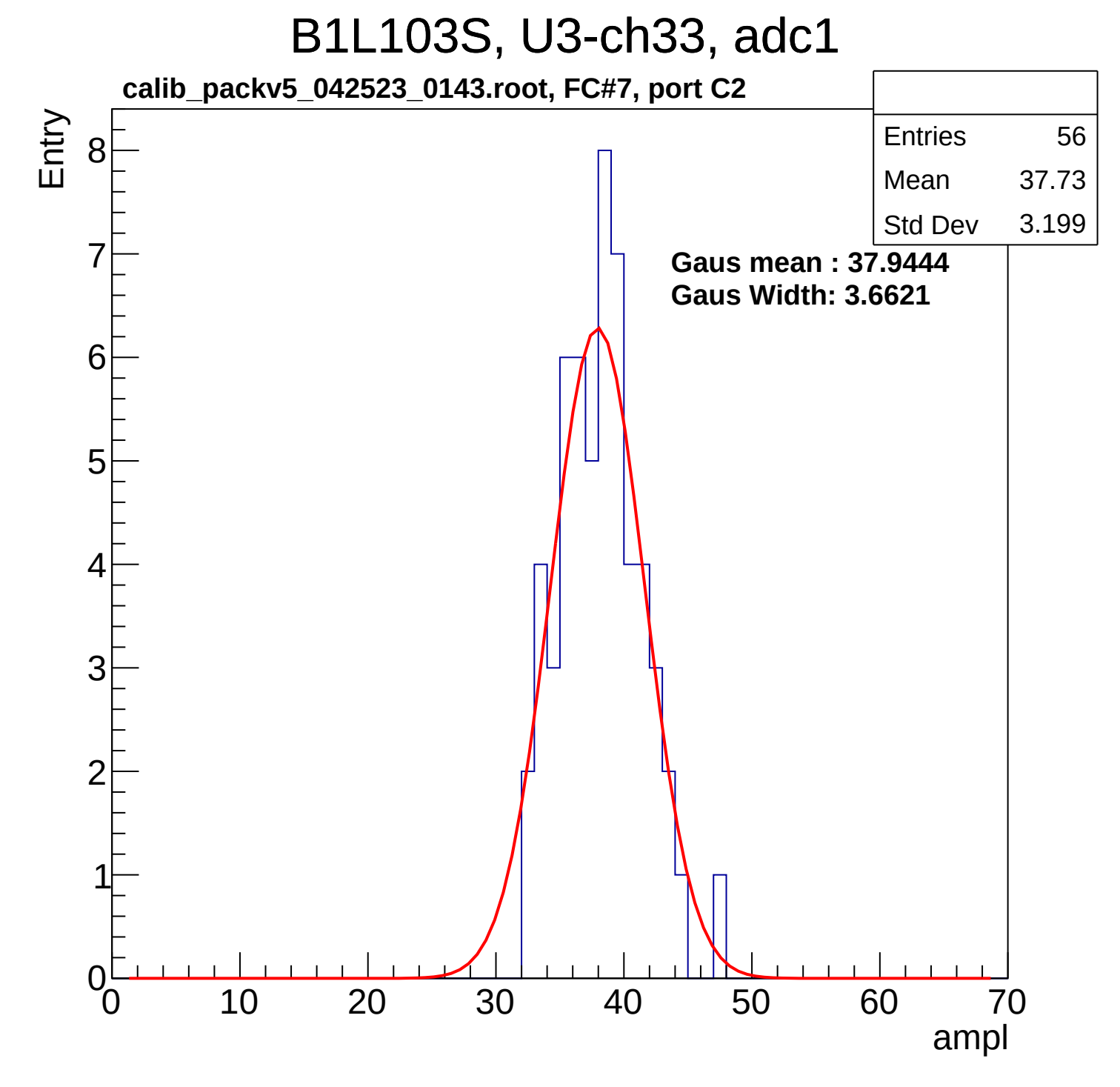

B1L103S, U3-ch32, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 57.49
Std Dev 9.332
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch32, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 25
Mean 60.92
Std Dev 1.853
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch32, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 29.5
Std Dev 29.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch33, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 86
Mean 31.02
Std Dev 3.997
Gaus mean : 31.8296
Gaus Width: 4.1155
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch33, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 37.73
Std Dev 3.199
Gaus mean : 37.9444
Gaus Width: 3.6621
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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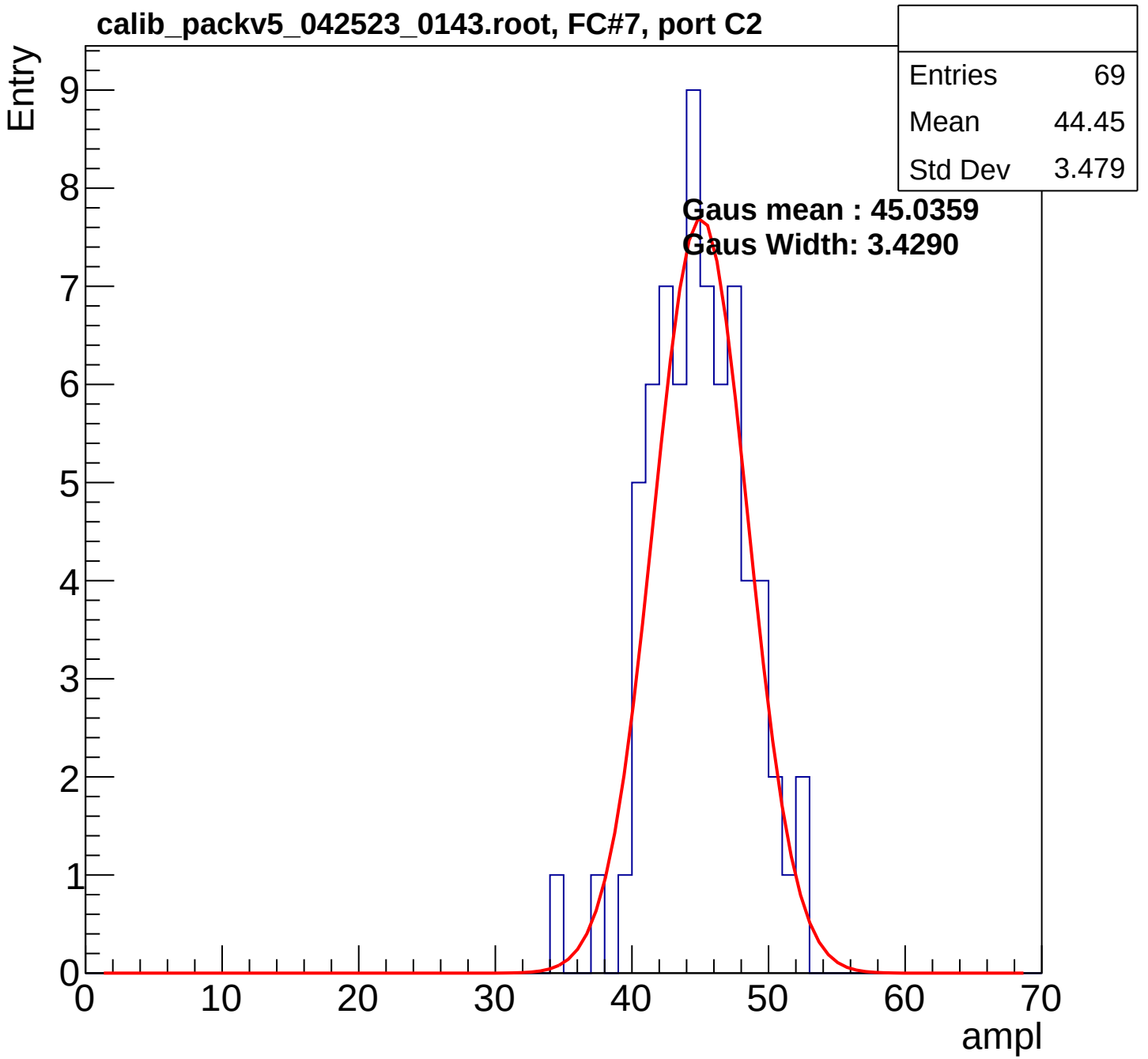
B1L103S, U3-ch33, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 44.45
Std Dev 3.479
Gaus mean : 45.0359
Gaus Width: 3.4290
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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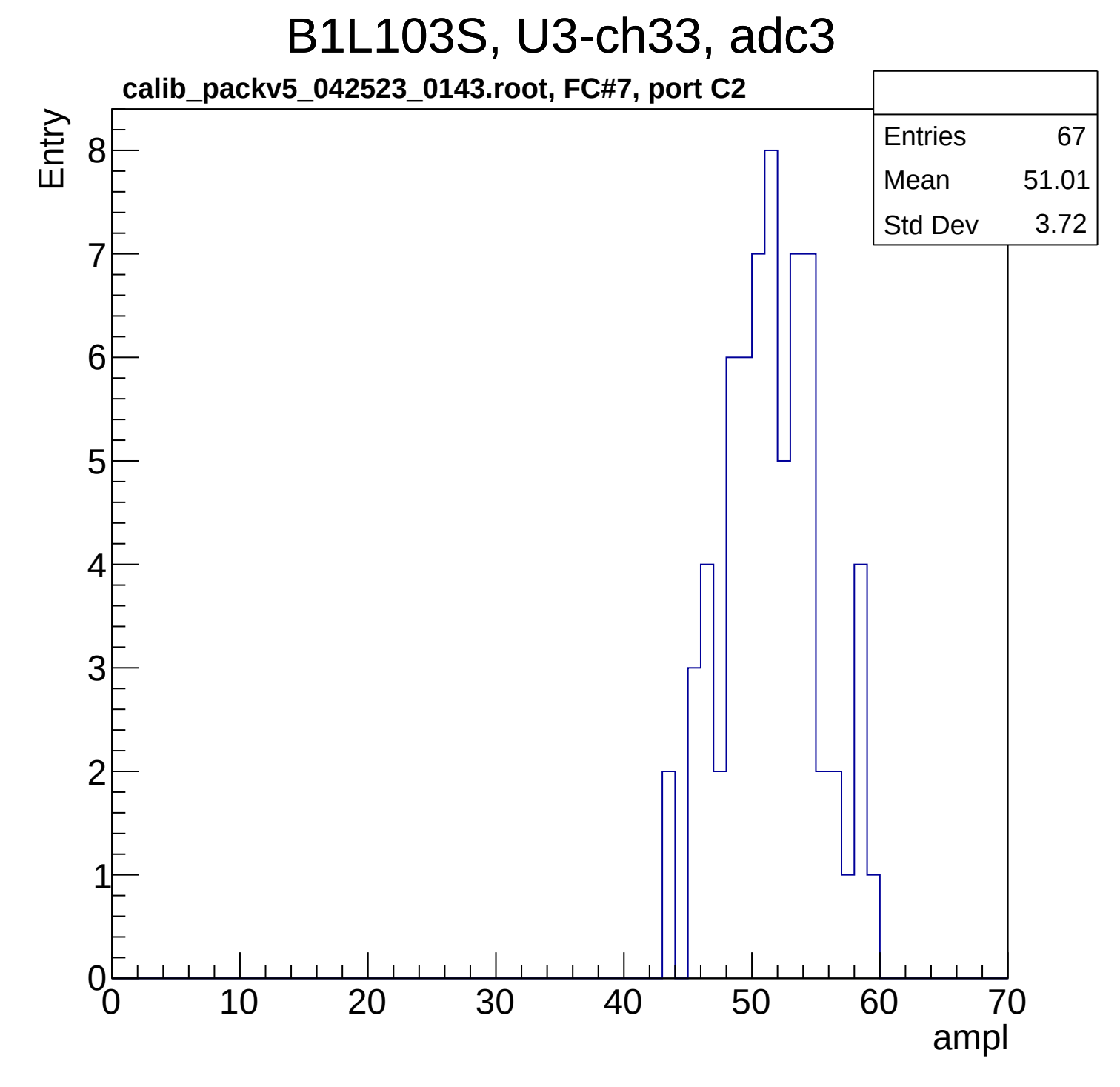
B1L103S, U3-ch33, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 51.01
Std Dev 3.72
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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40
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60
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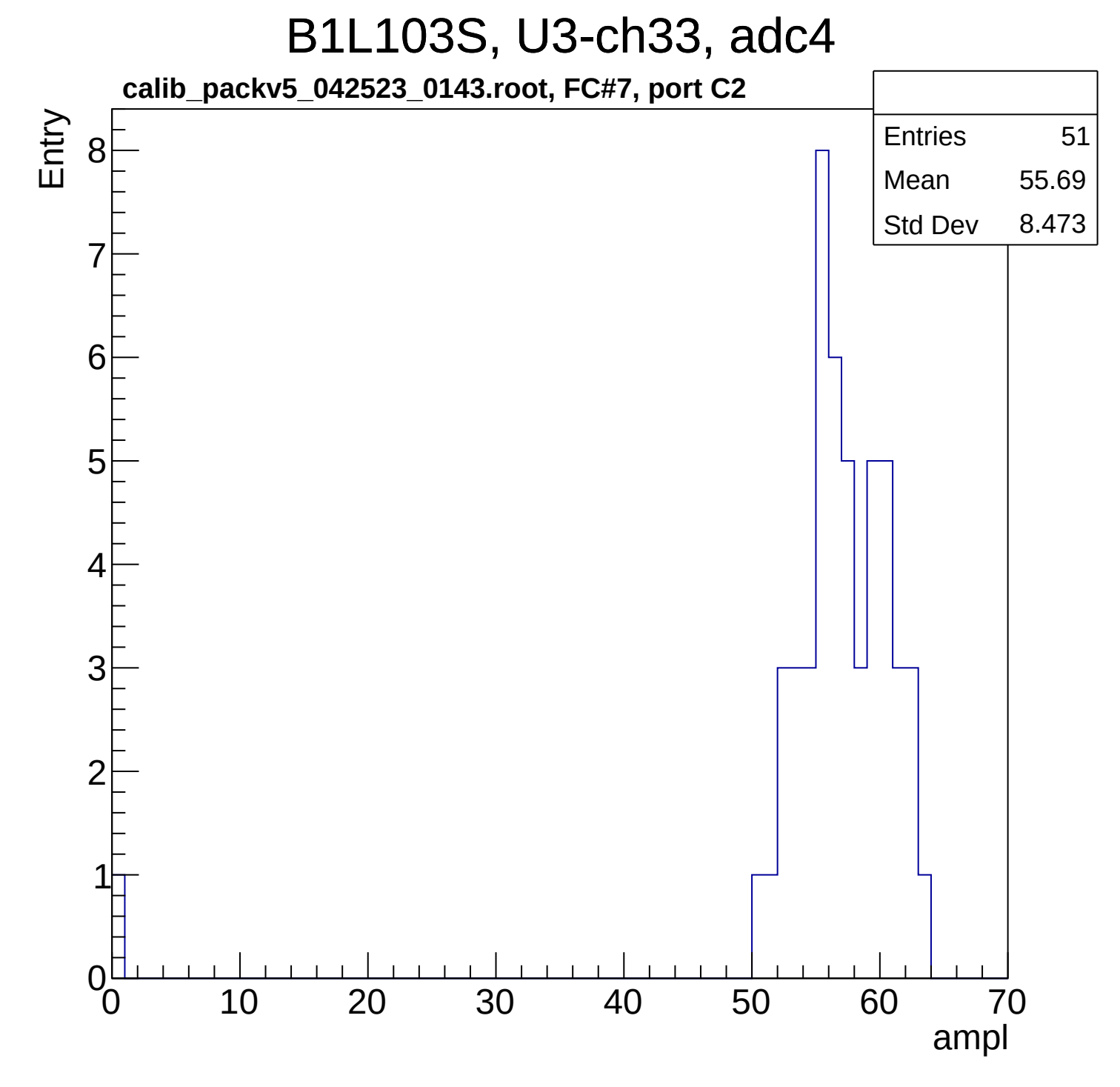
B1L103S, U3-ch33, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 55.69
Std Dev 8.473
Entry
ampl
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5
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7
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60
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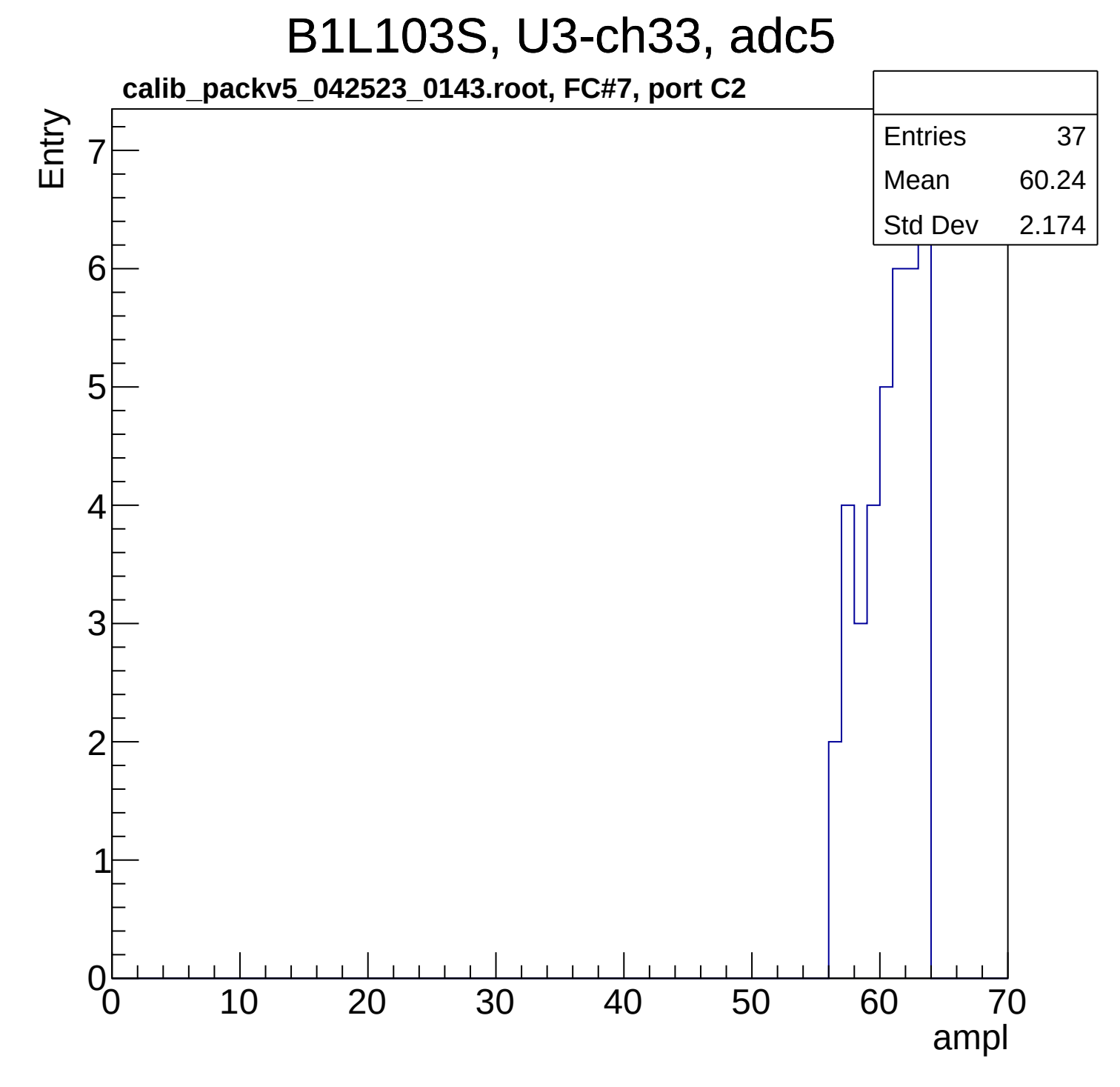
B1L103S, U3-ch33, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 37
Mean 60.24
Std Dev 2.174
Entry
ampl
0
1
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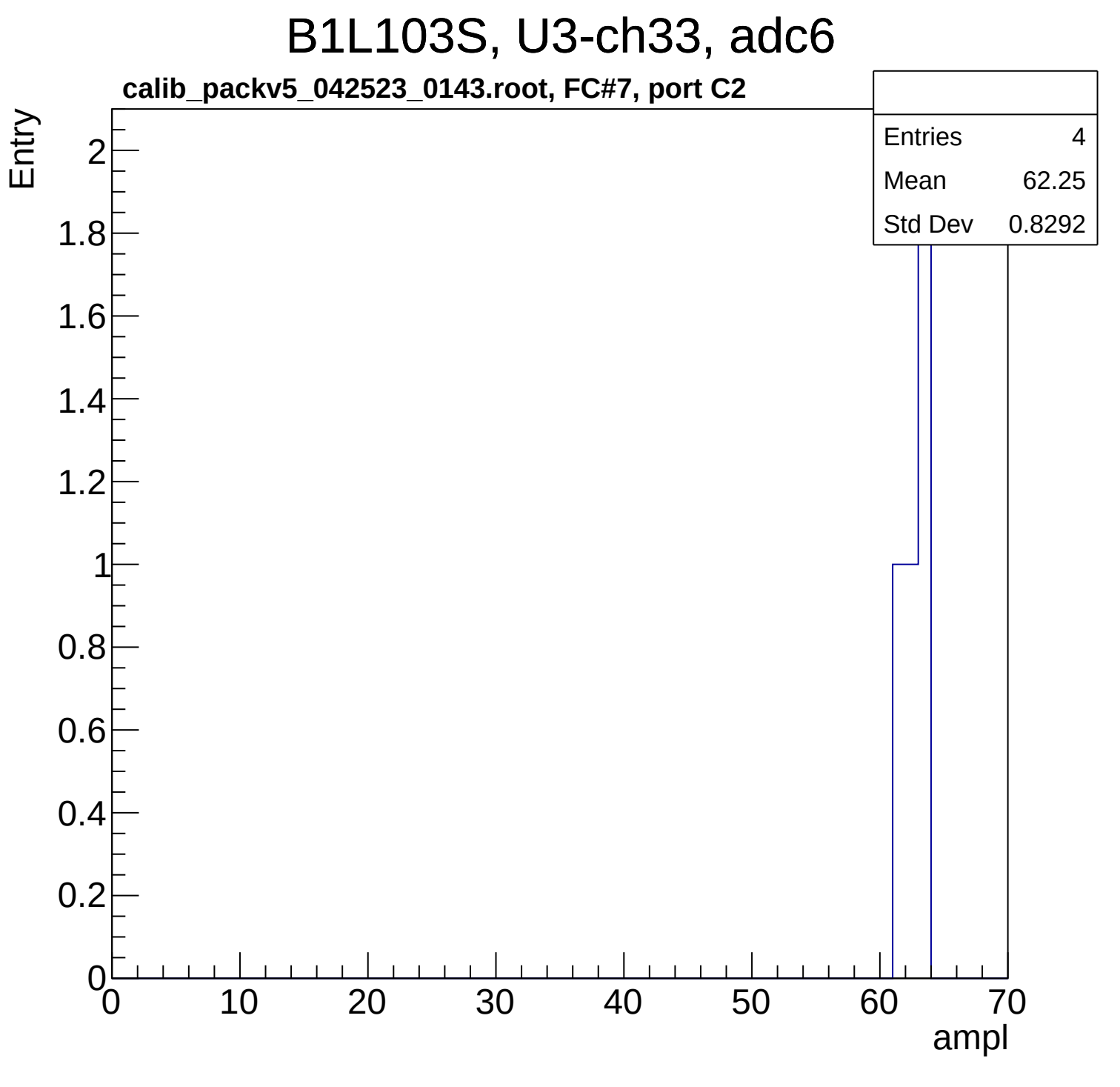
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch33, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 62.25
Std Dev 0.8292
Entry
ampl
0
0.2
0.4
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1.2
1.4
1.6
1.8
2
0
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40
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60
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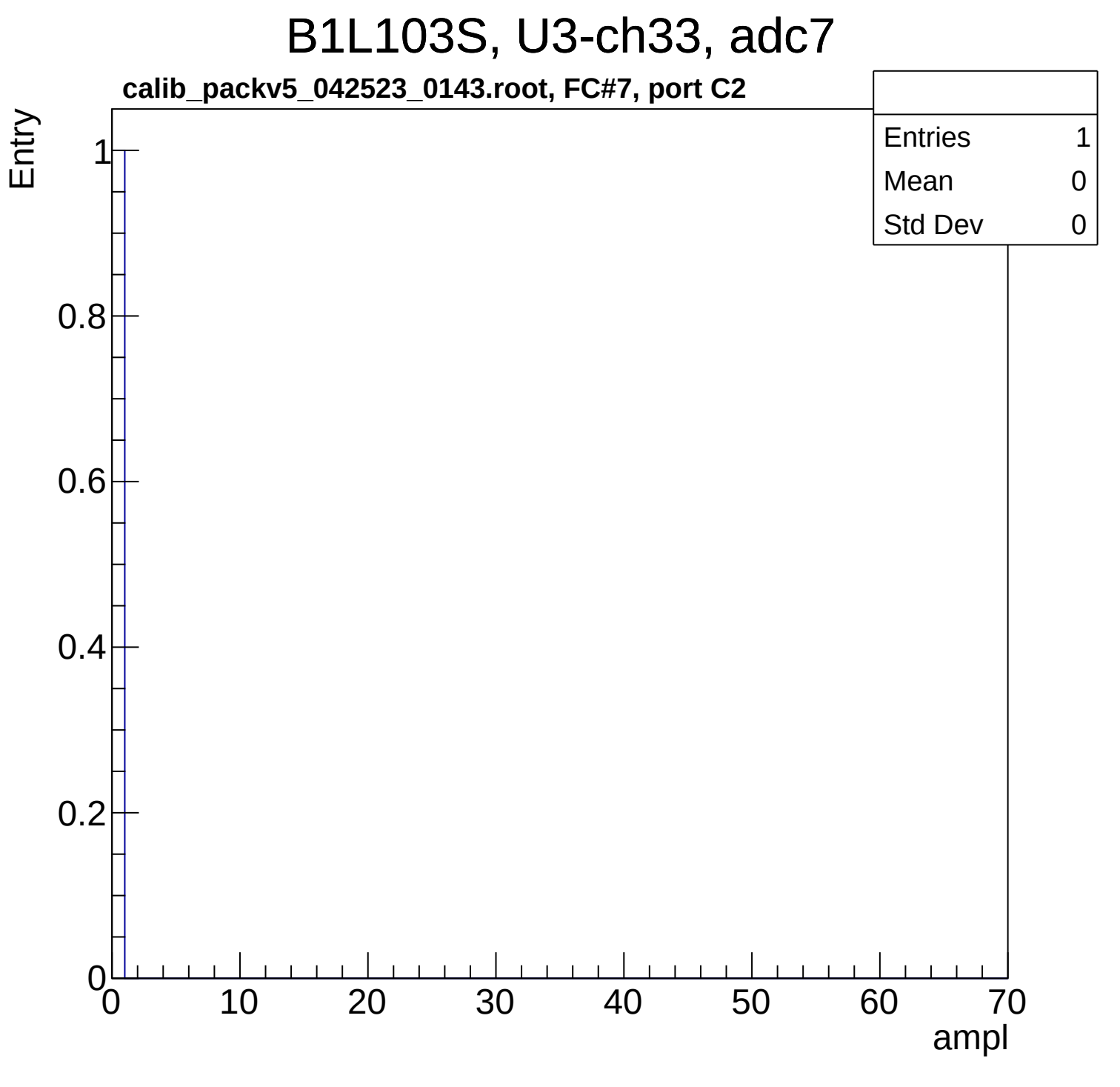
B1L103S, U3-ch33, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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10
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30
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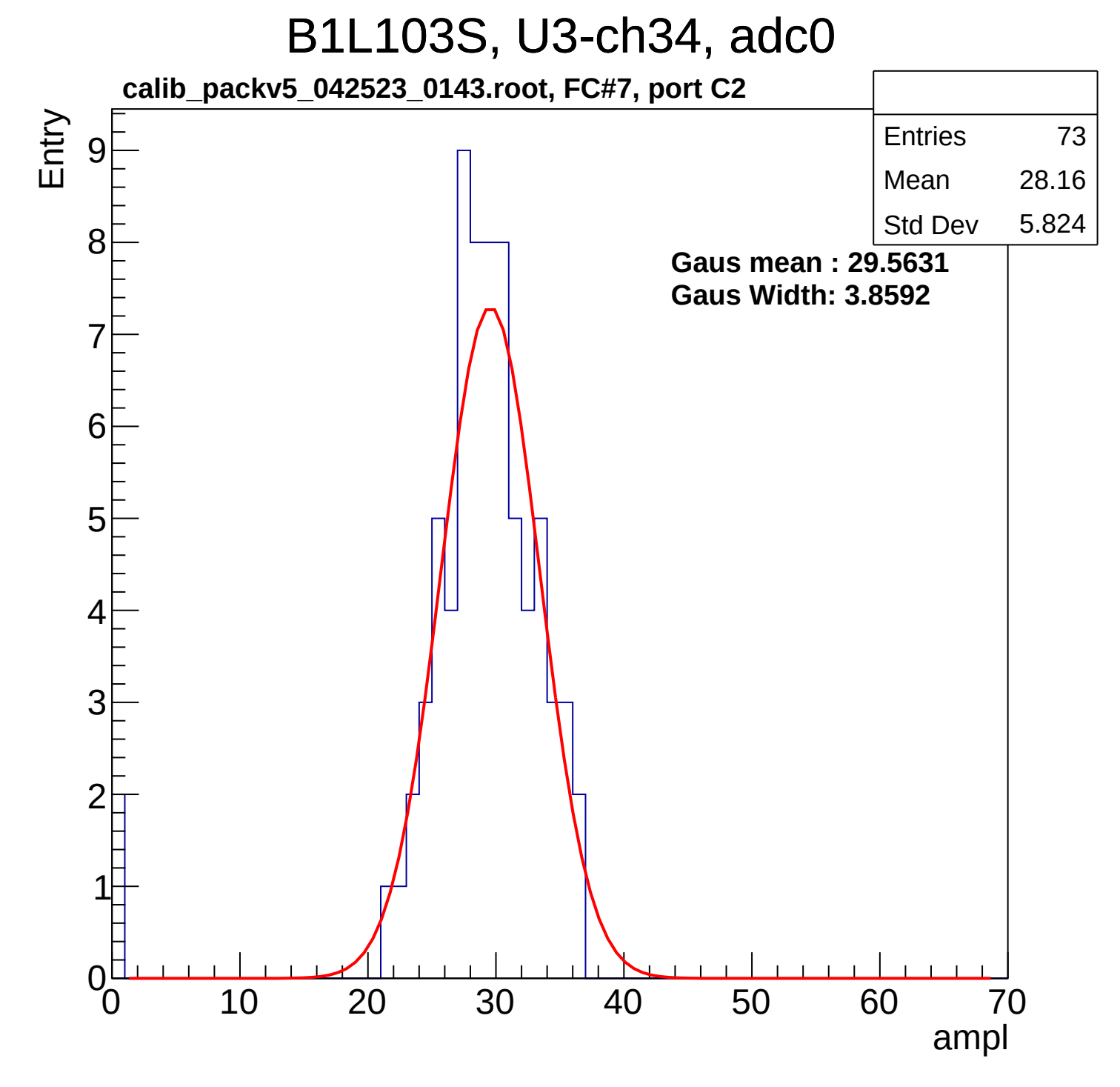
50
60
70
ampl


B1L103S, U3-ch34, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 28.16
Std Dev 5.824
Gaus mean : 29.5631
Gaus Width: 3.8592
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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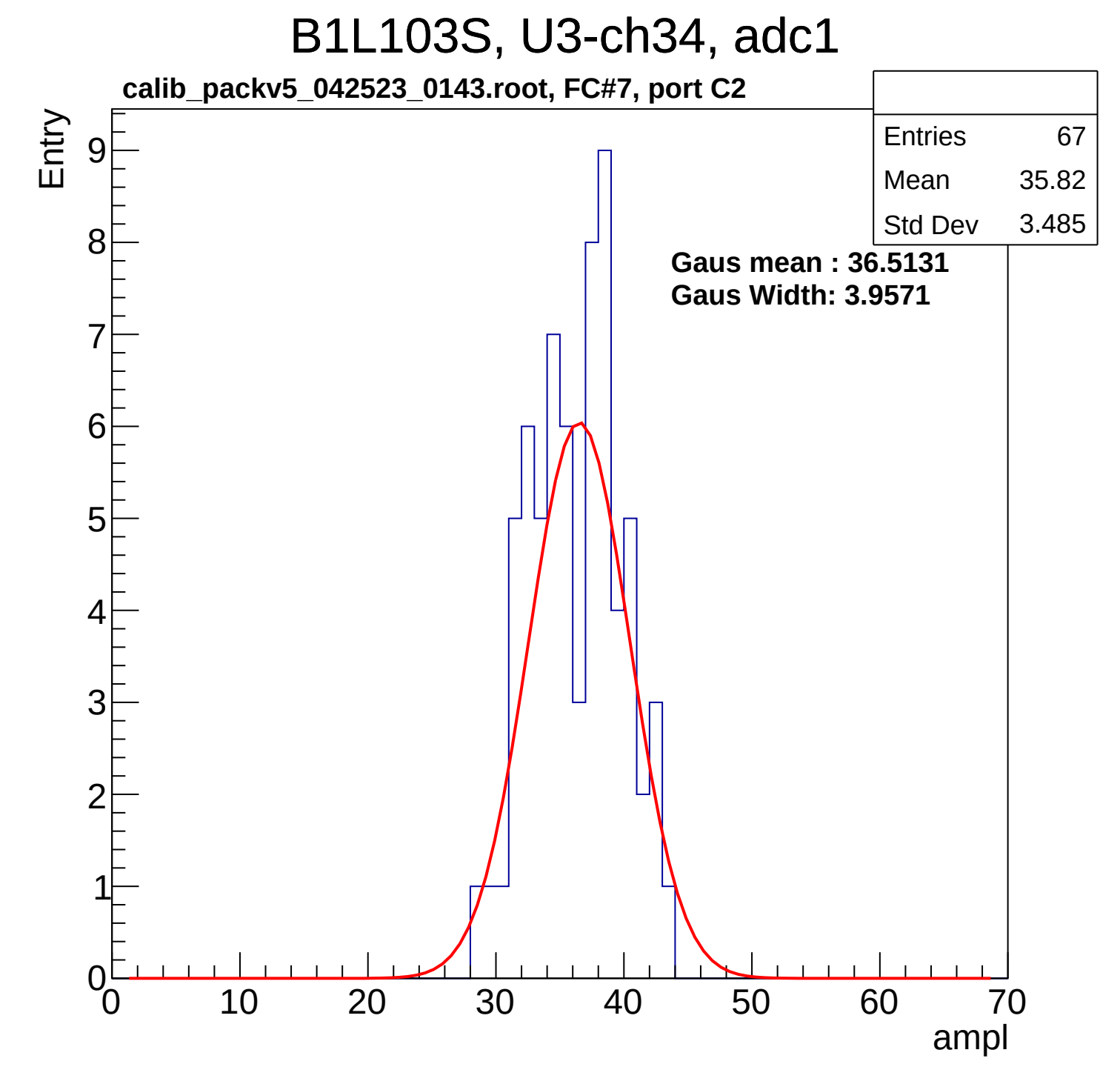
B1L103S, U3-ch34, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 35.82
Std Dev 3.485
Gaus mean : 36.5131
Gaus Width: 3.9571
Entry
ampl
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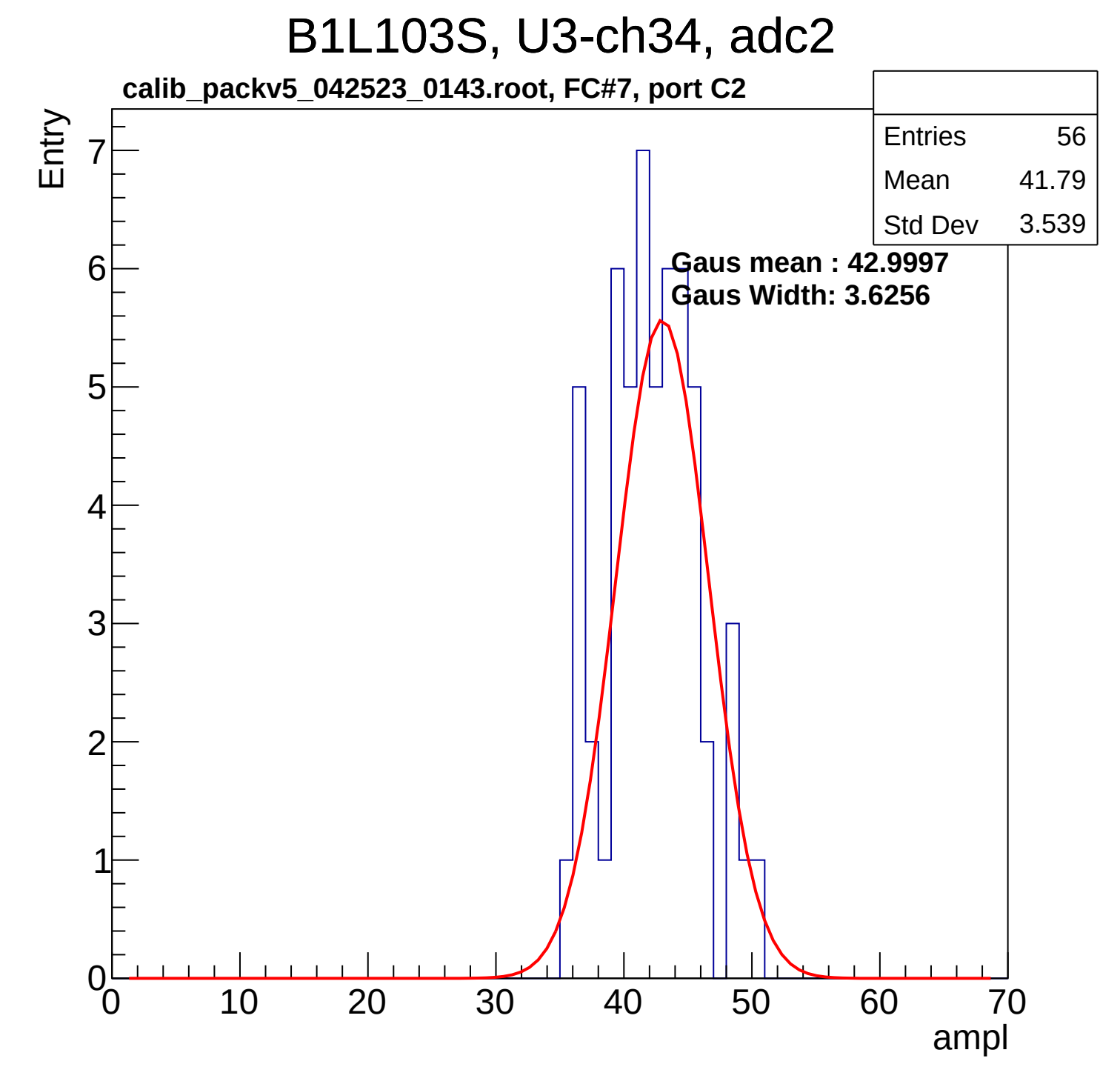
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch34, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 41.79
Std Dev 3.539
Gaus mean : 42.9997
Gaus Width: 3.6256
Entry
ampl
0
1
2
3
4
5
6
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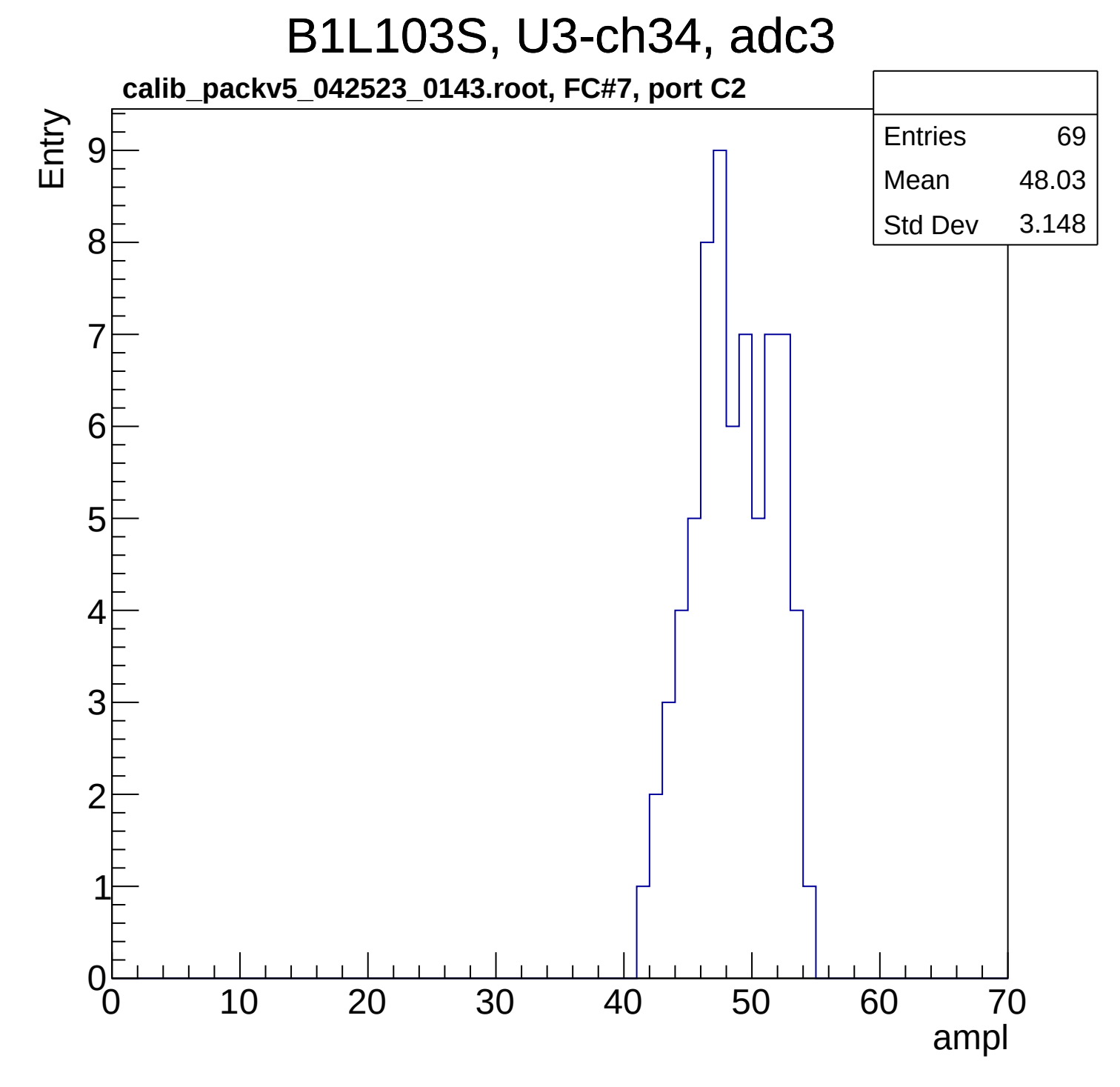
B1L103S, U3-ch34, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 48.03
Std Dev 3.148
Entry
ampl
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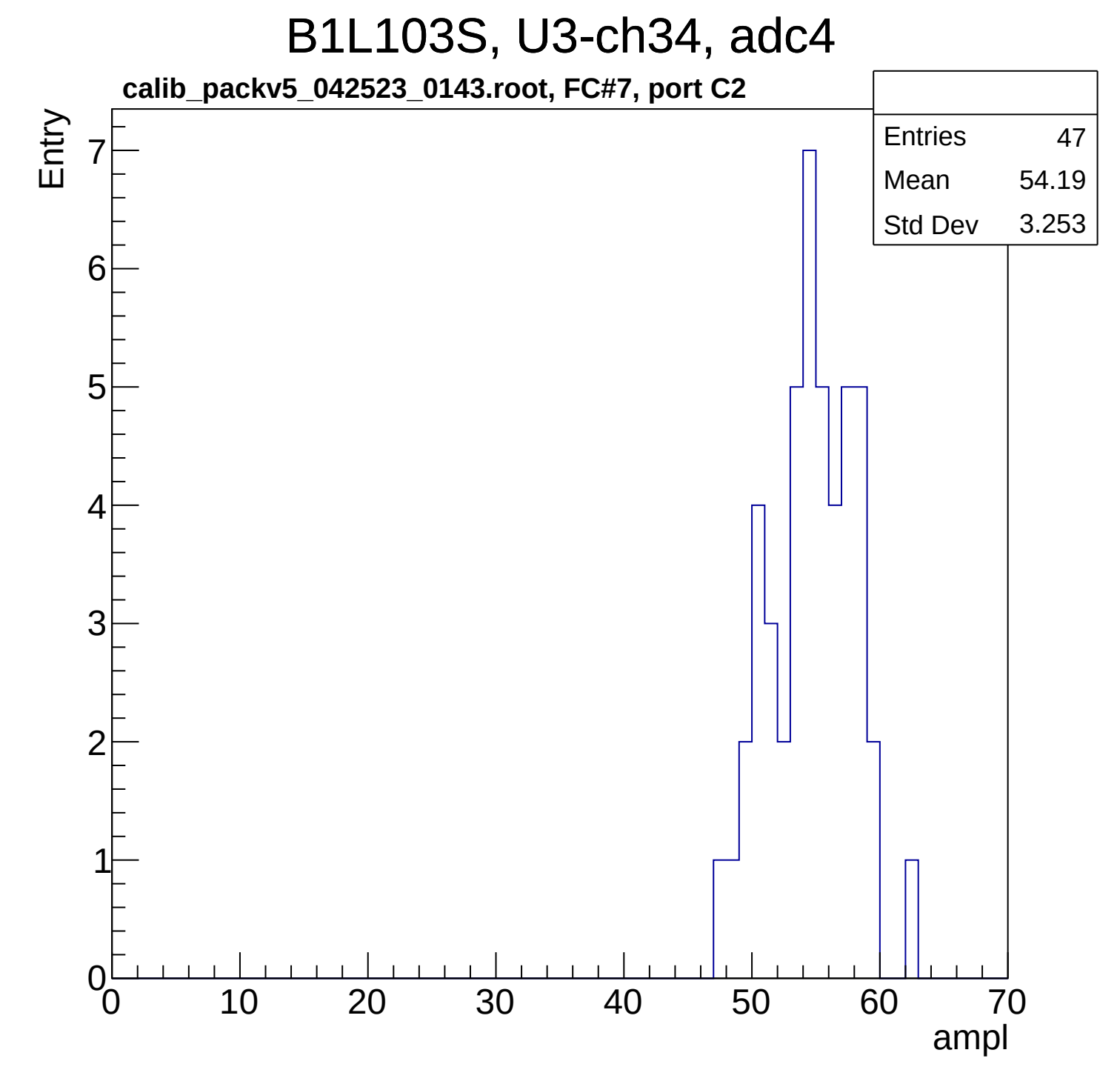
B1L103S, U3-ch34, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 54.19
Std Dev 3.253
Entry
ampl
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20
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40
50
60
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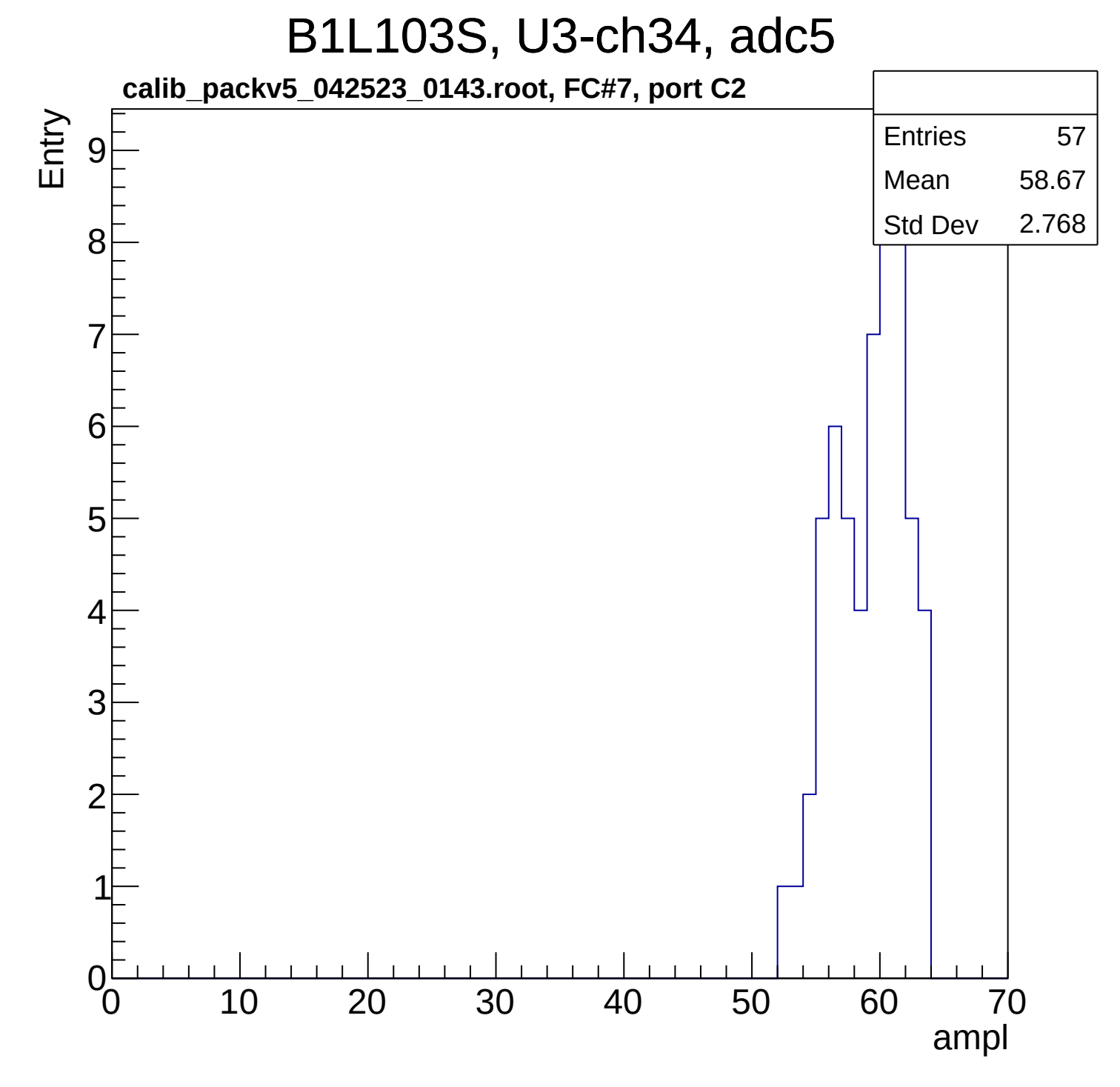
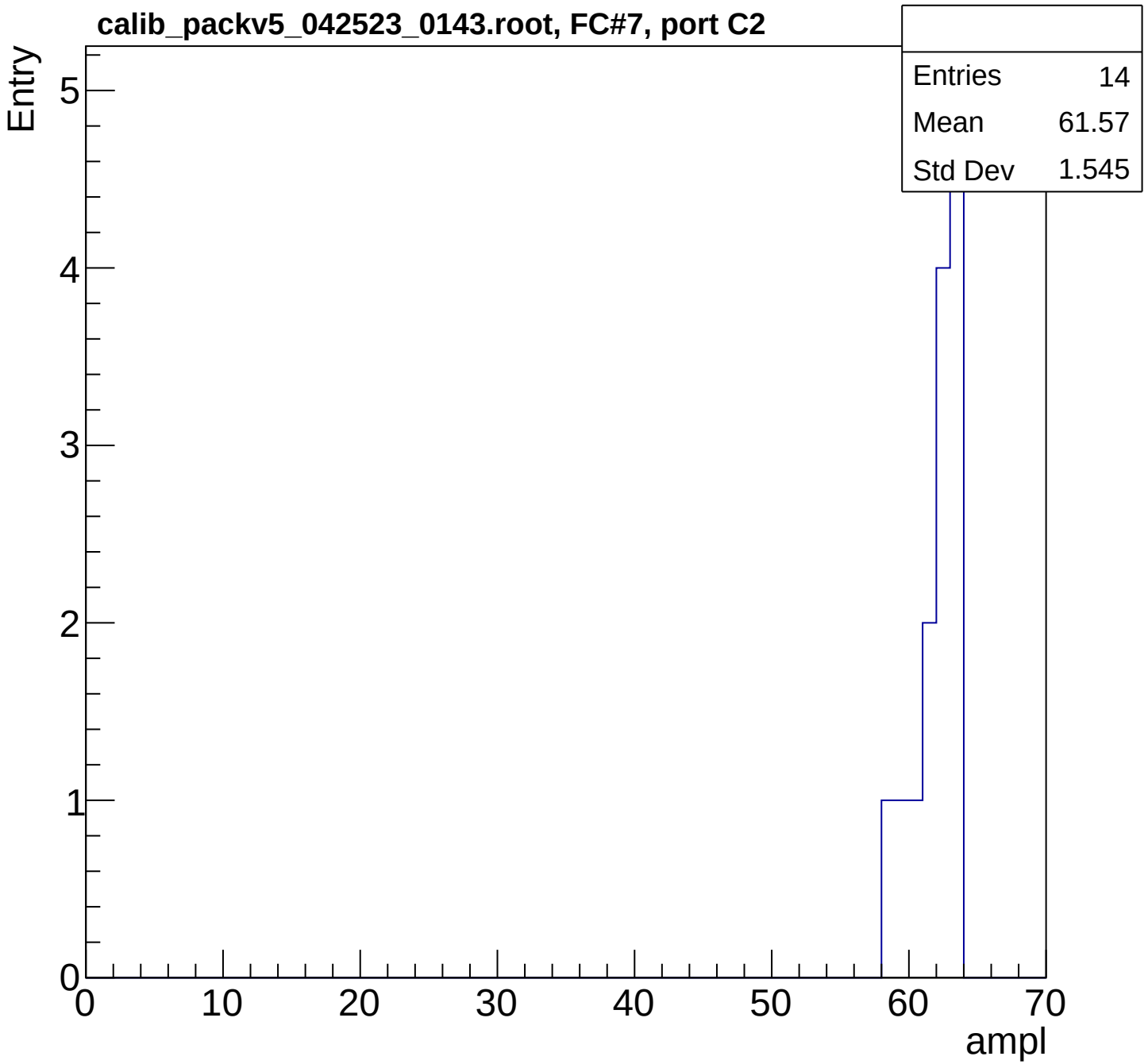

B1L103S, U3-ch34, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 58.67
Std Dev 2.768
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch34, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 61.57
Std Dev 1.545
Entry
0
1
2
3
4
5
0
10
20
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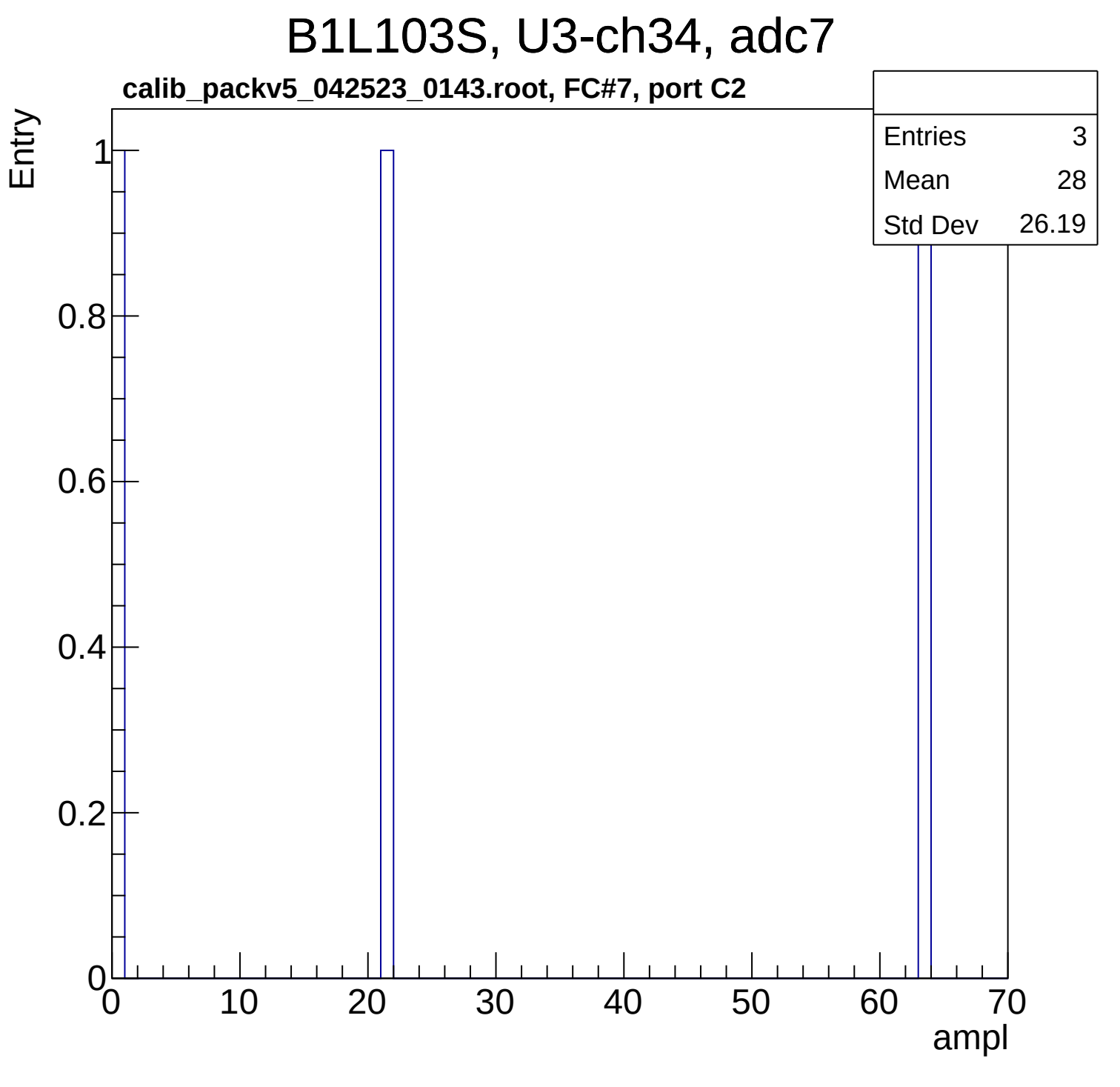
50
60
70
ampl


B1L103S, U3-ch34, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 28
Std Dev 26.19
Entry
ampl
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0.2
0.4
0.6
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1
0
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20
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40
50
60
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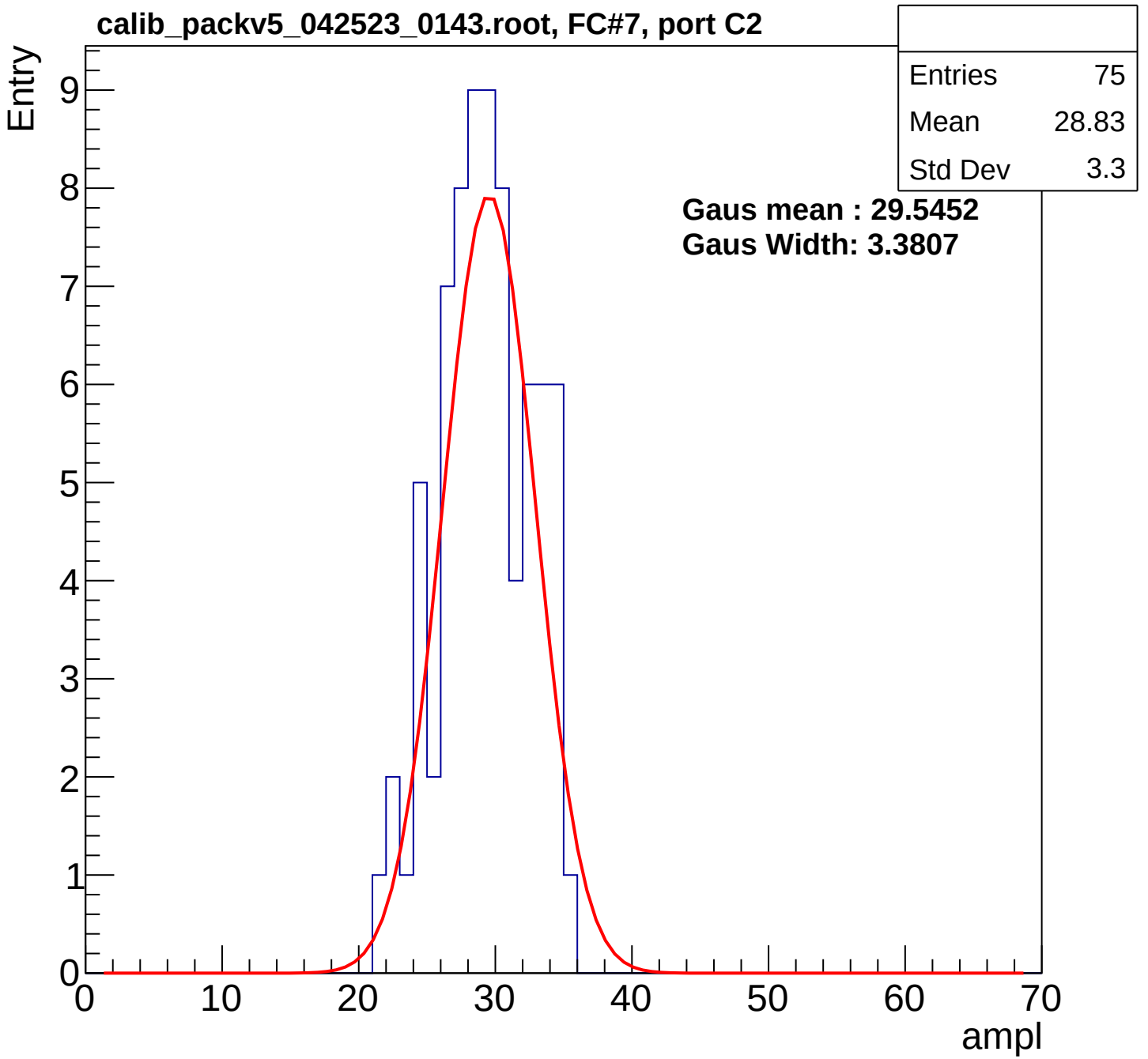
B1L103S, U3-ch35, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 28.83
Std Dev 3.3
Gaus mean : 29.5452
Gaus Width: 3.3807
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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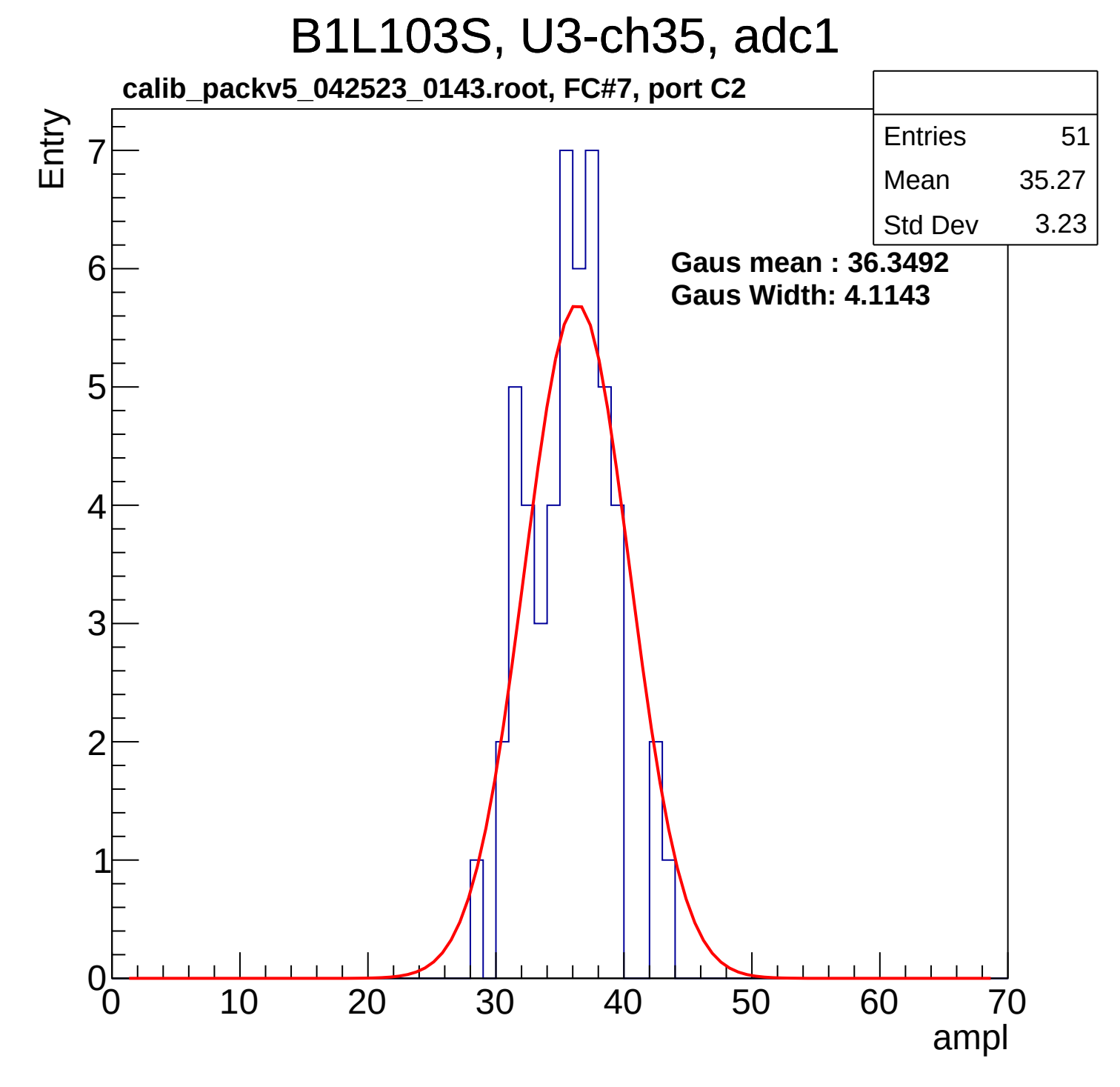
B1L103S, U3-ch35, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 35.27
Std Dev 3.23
Gaus mean : 36.3492
Gaus Width: 4.1143
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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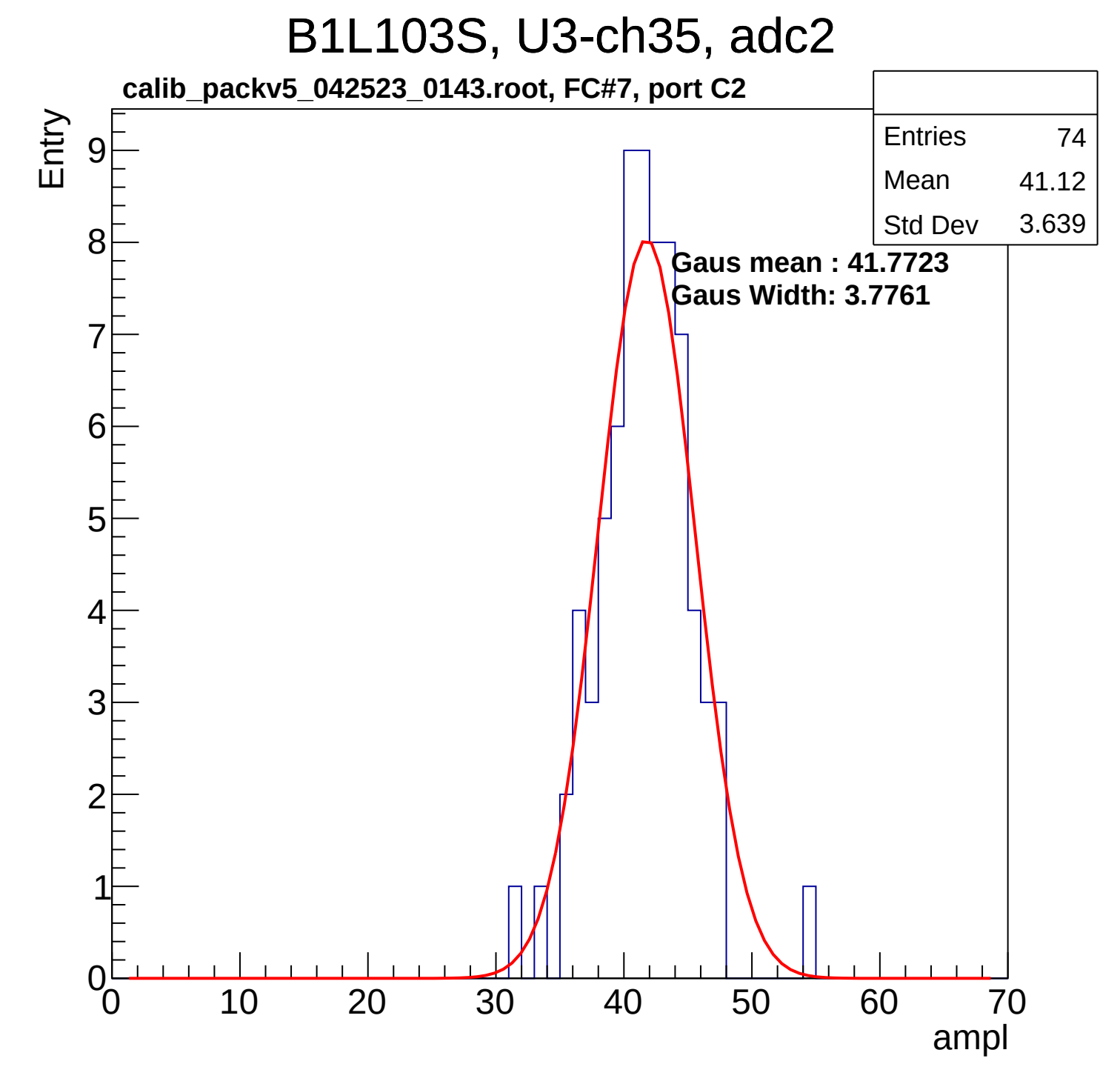
B1L103S, U3-ch35, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 41.12
Std Dev 3.639
Gaus mean : 41.7723
Gaus Width: 3.7761
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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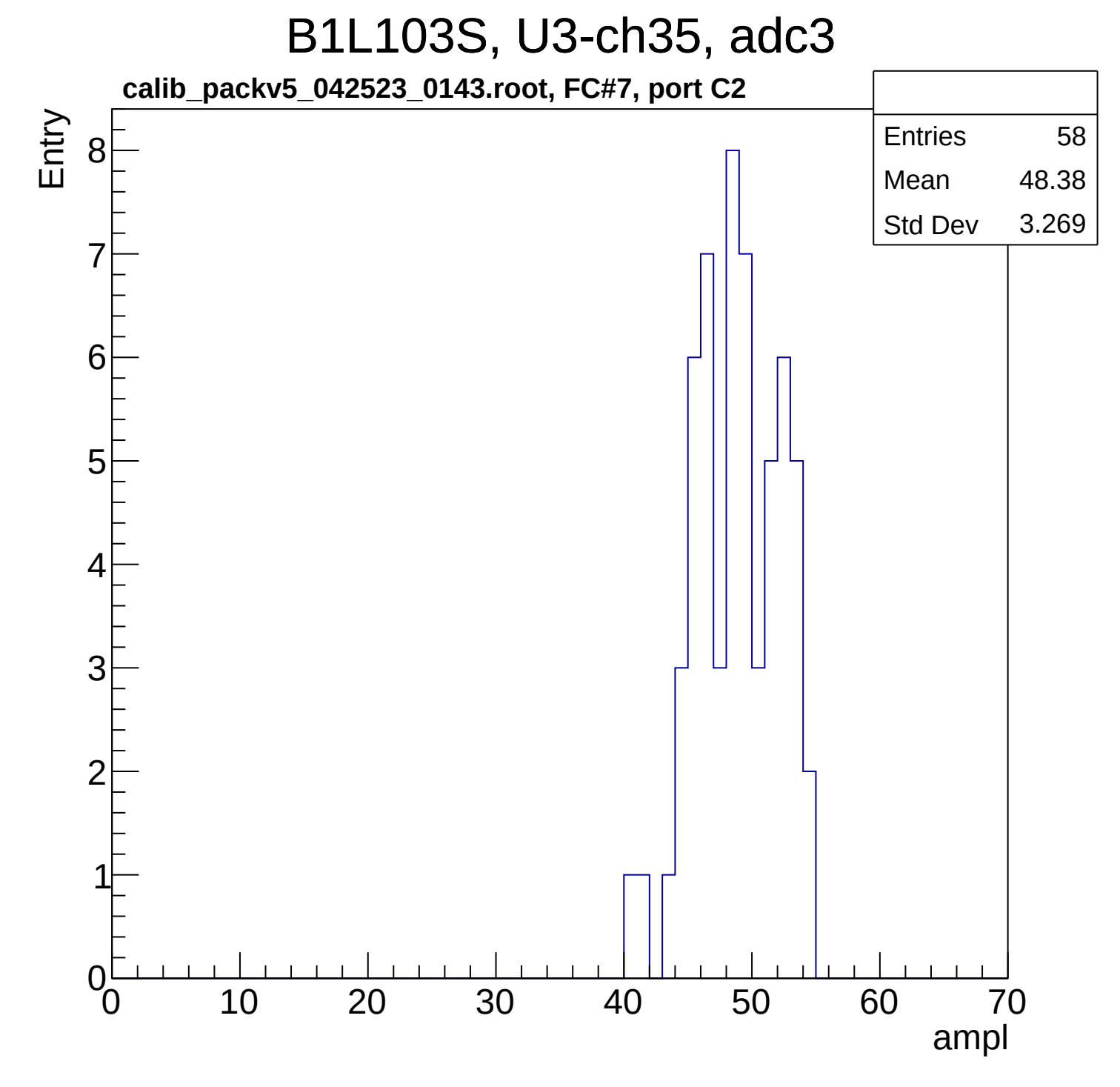
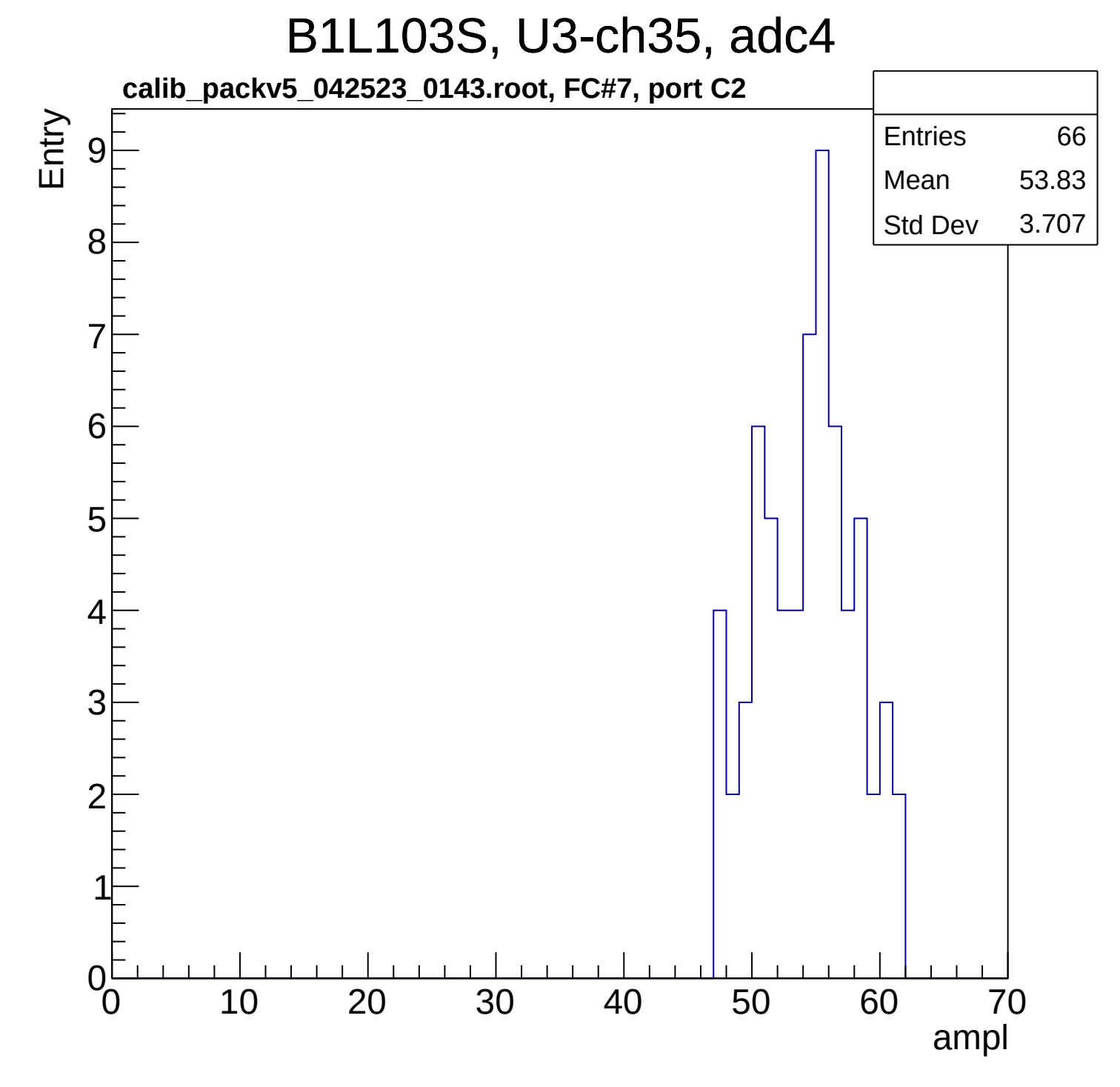
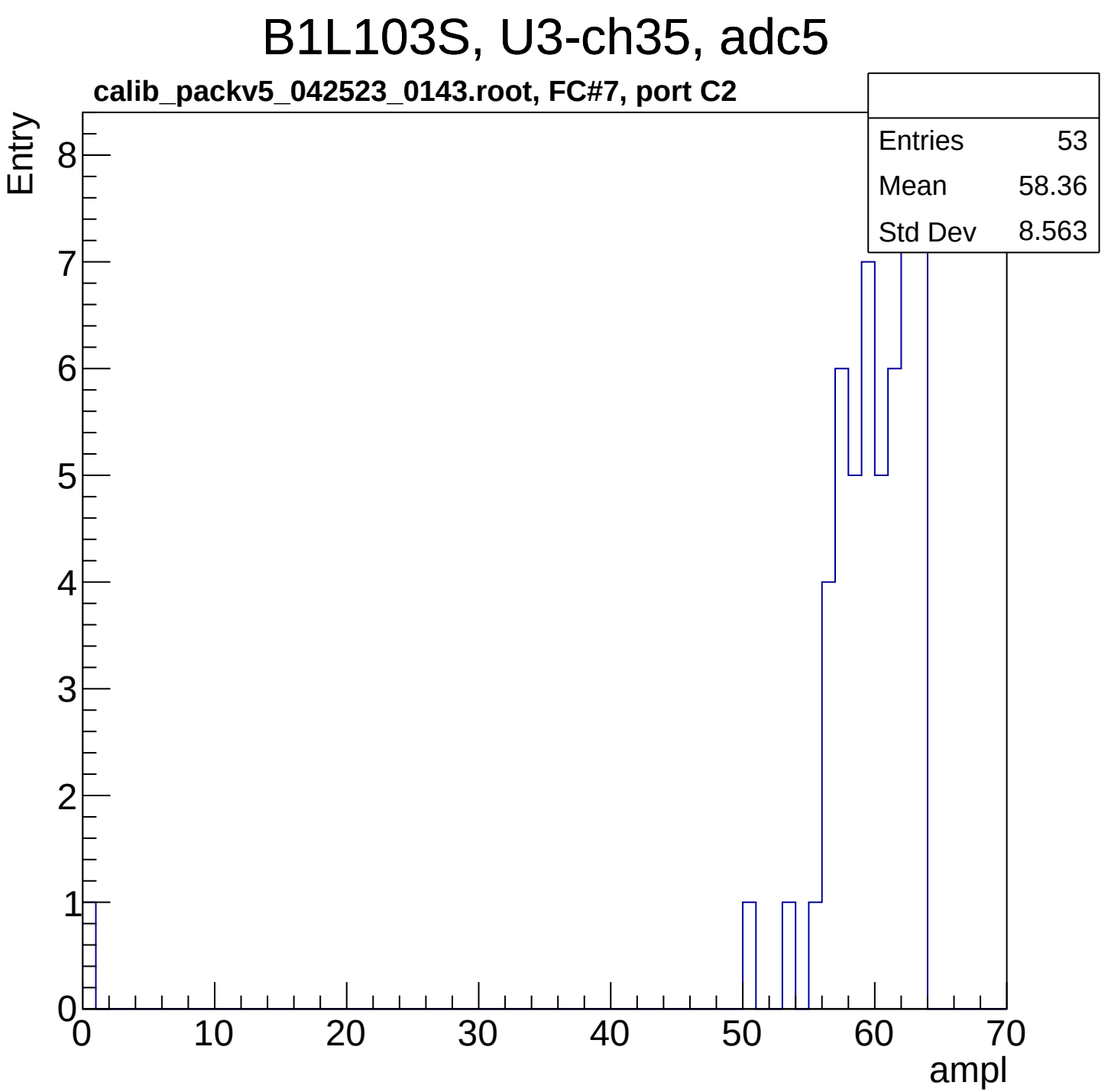

B1L103S, U3-ch35, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 48.38
Std Dev 3.269
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch35, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 53.83
Std Dev 3.707
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch35, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 58.36
Std Dev 8.563
Entry
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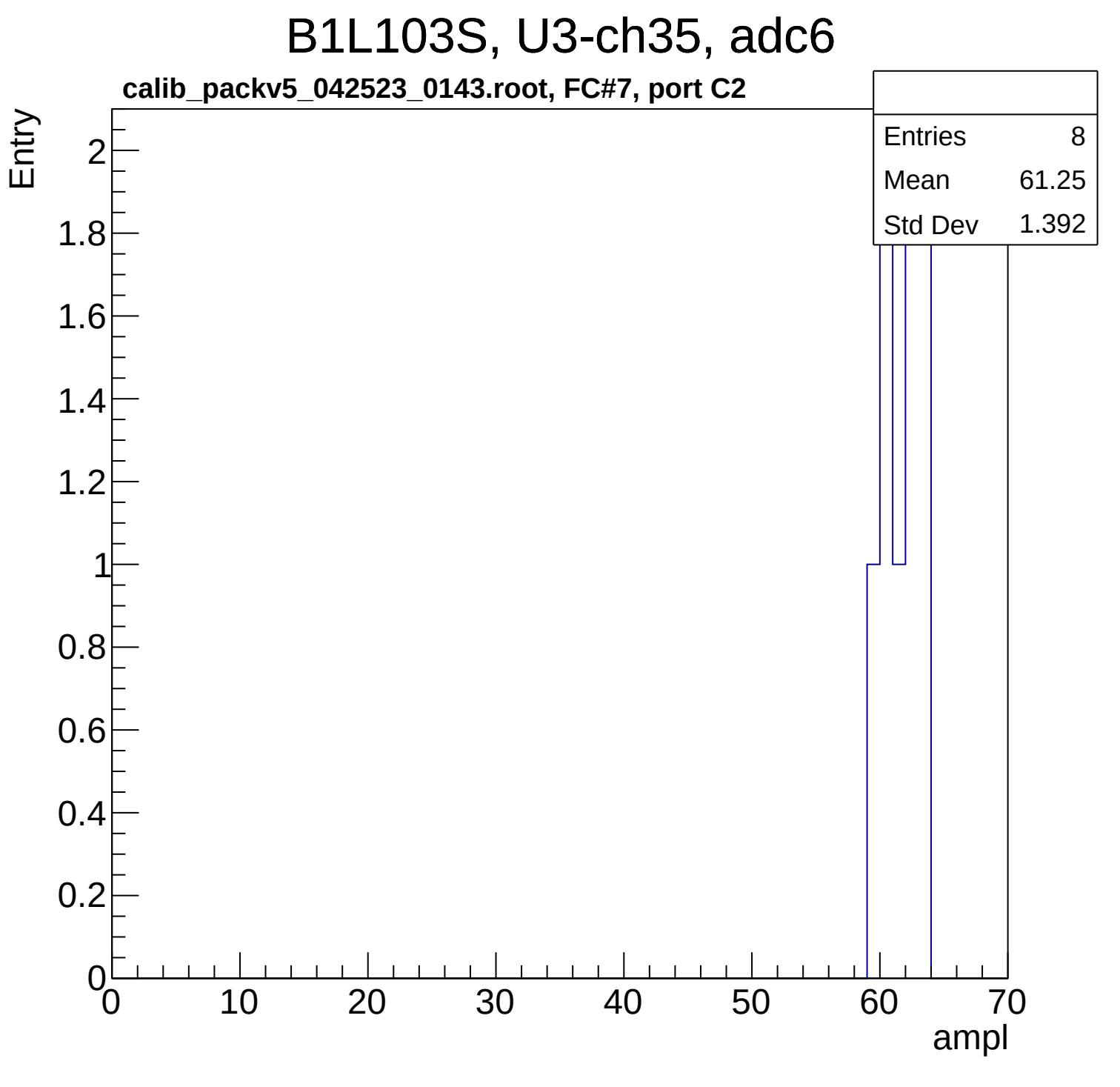
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch35, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 61.25
Std Dev 1.392
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
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30
40
50
60
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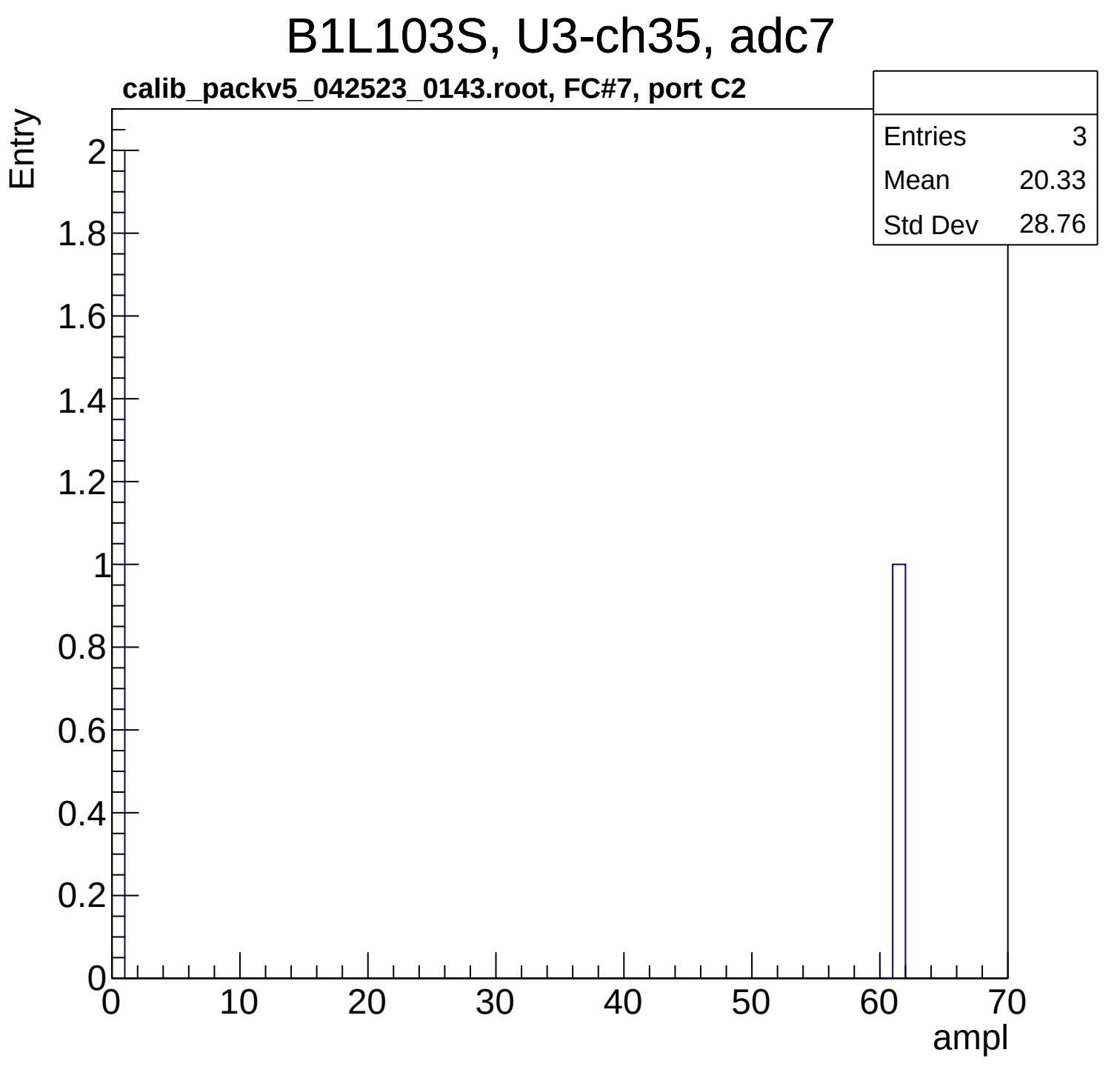
B1L103S, U3-ch35, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 20.33
Std Dev 28.76
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
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60
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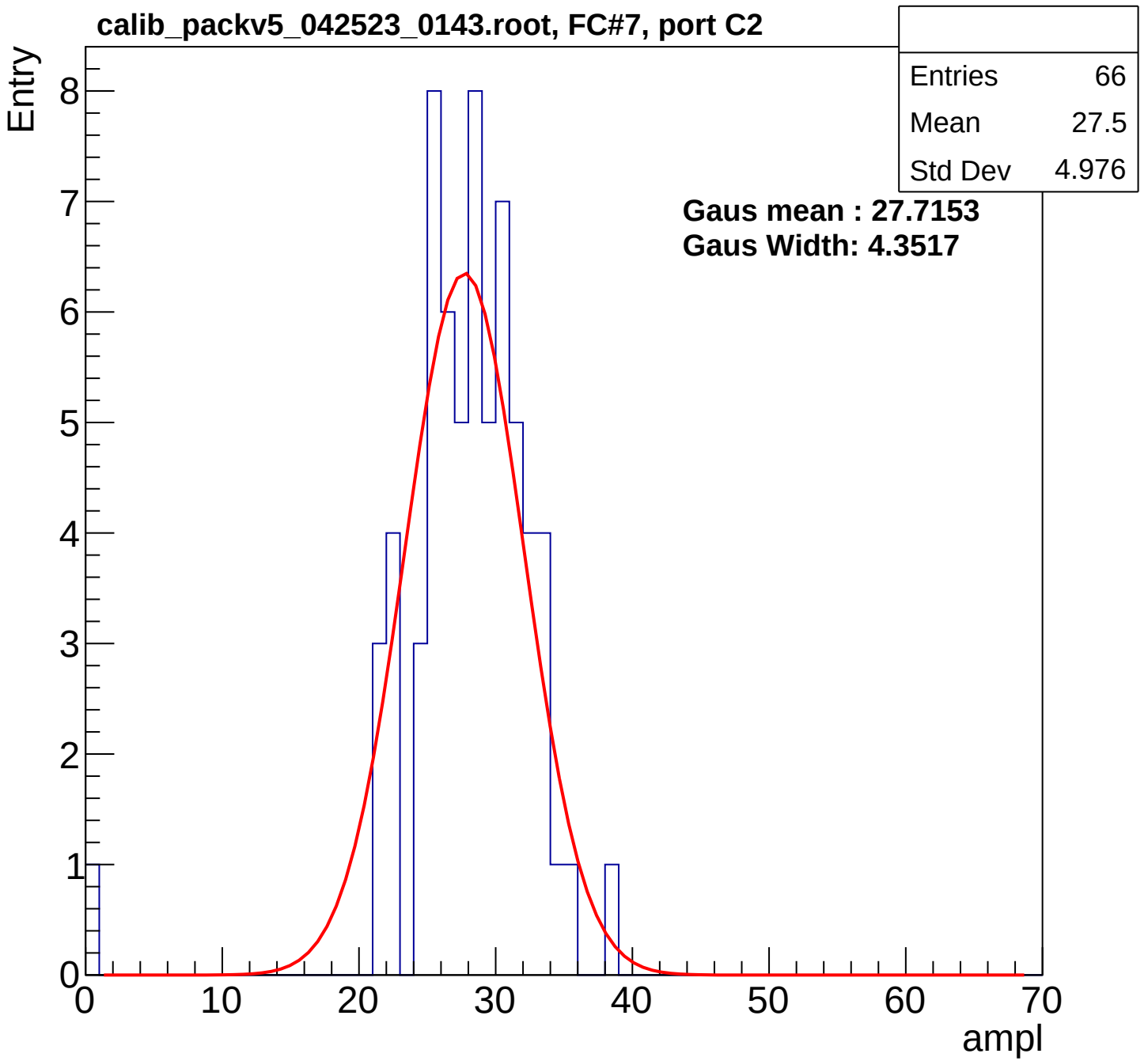
B1L103S, U3-ch36, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 27.5
Std Dev 4.976
Gaus mean : 27.7153
Gaus Width: 4.3517
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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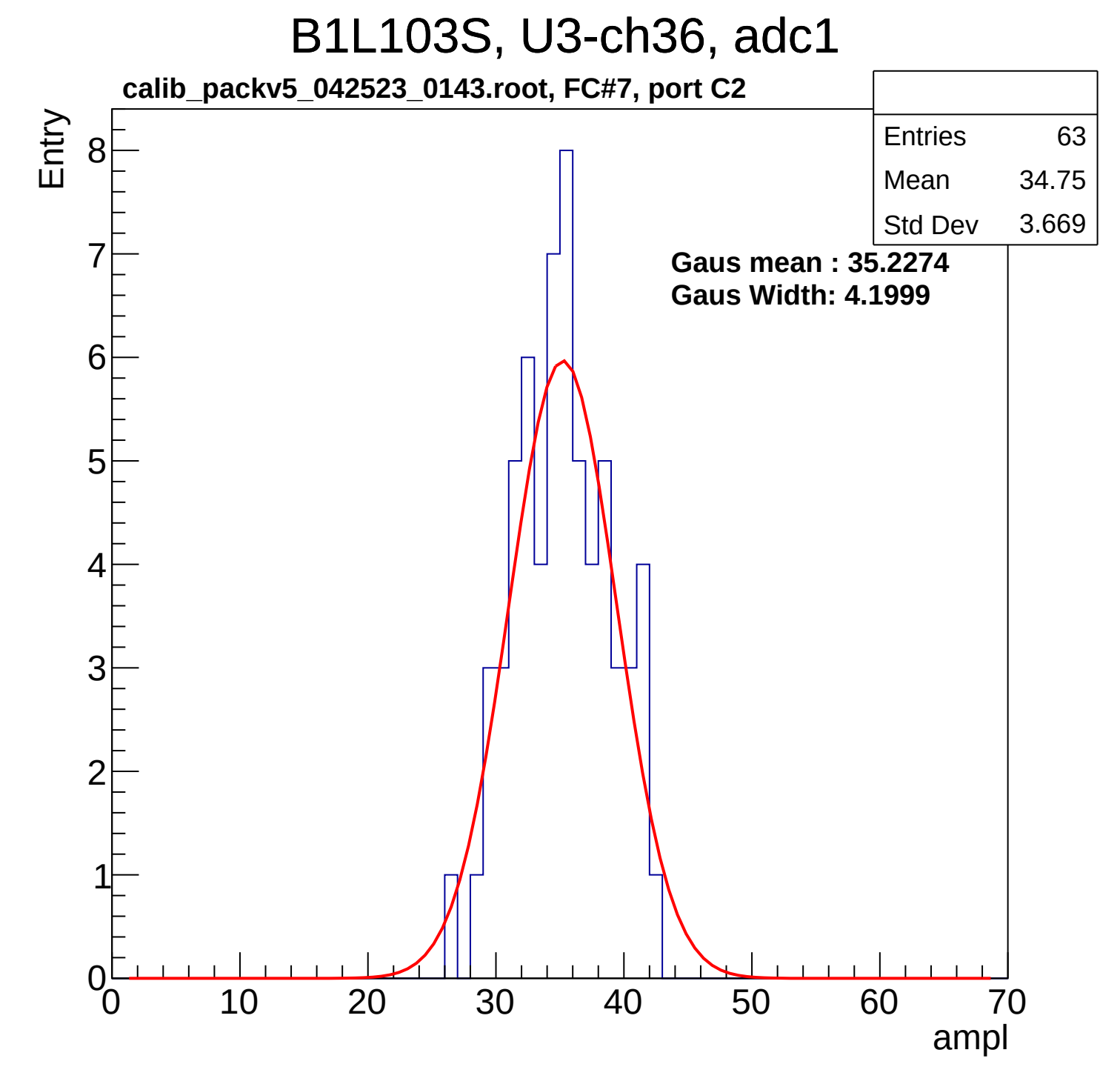
B1L103S, U3-ch36, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 34.75
Std Dev 3.669
Gaus mean : 35.2274
Gaus Width: 4.1999
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
30
40
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60
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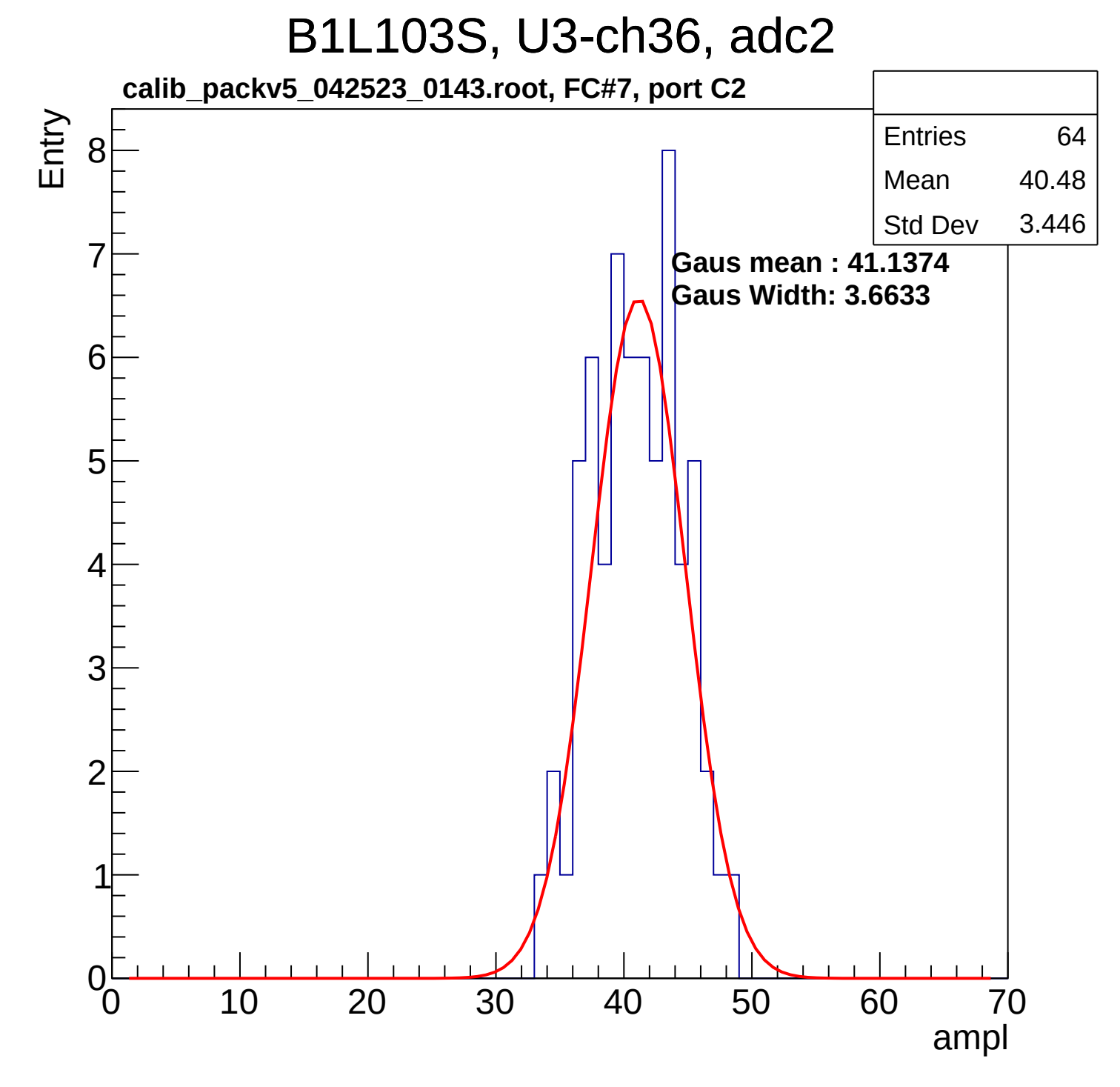
B1L103S, U3-ch36, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 40.48
Std Dev 3.446
Gaus mean : 41.1374
Gaus Width: 3.6633
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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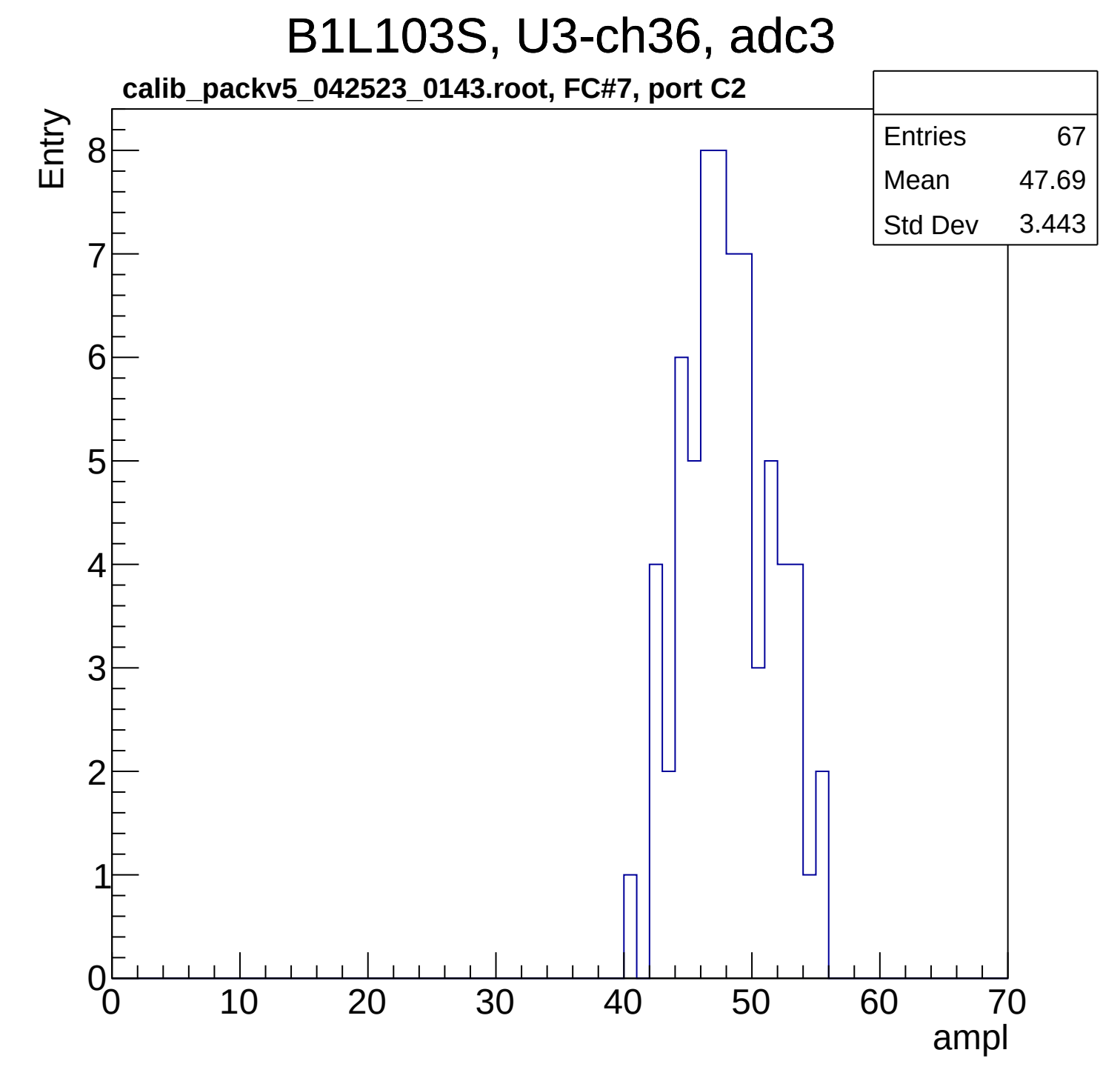
B1L103S, U3-ch36, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 47.69
Std Dev 3.443
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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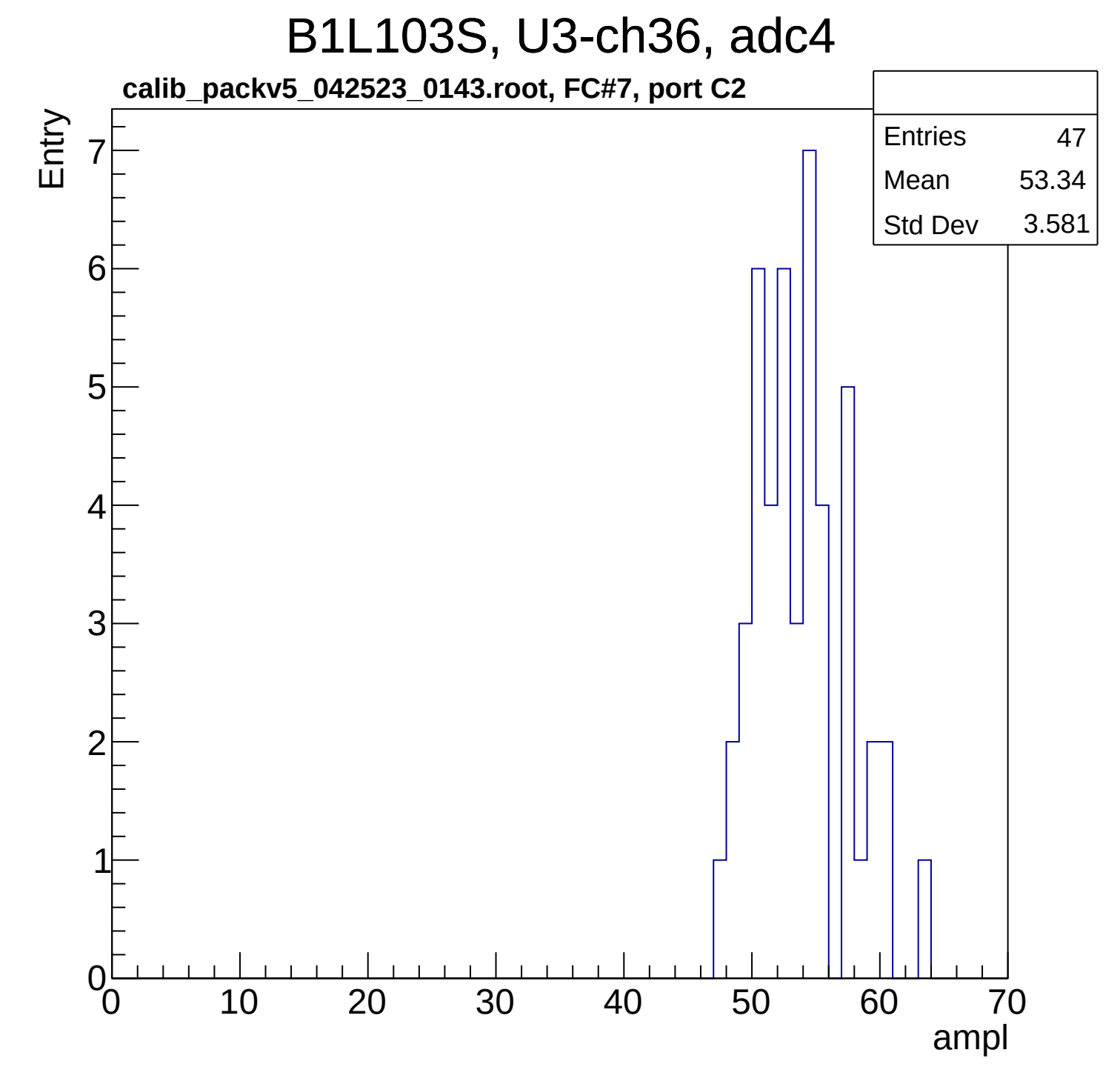
B1L103S, U3-ch36, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 53.34
Std Dev 3.581
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
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60
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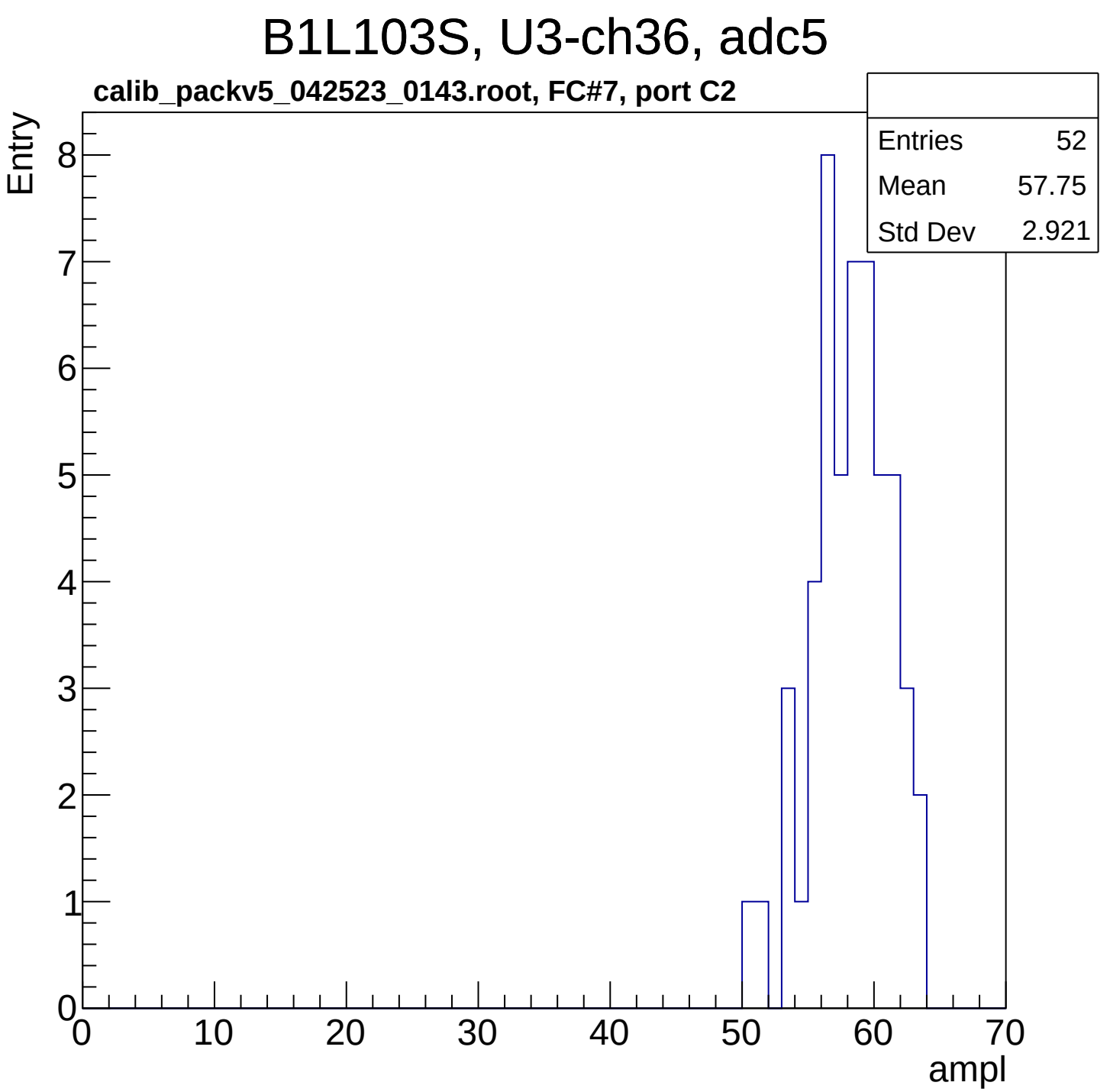
B1L103S, U3-ch36, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 57.75
Std Dev 2.921
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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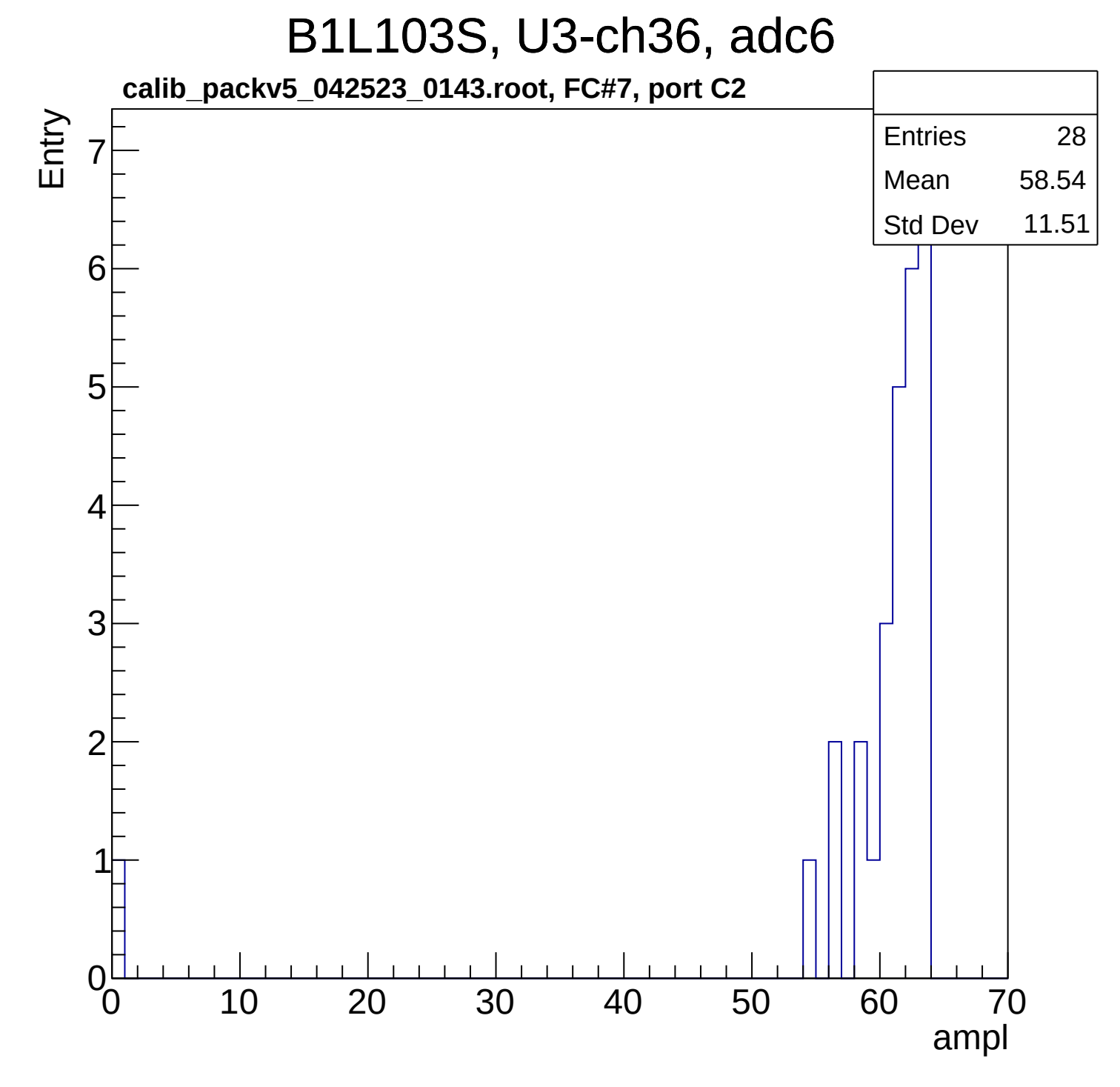
B1L103S, U3-ch36, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 28
Mean 58.54
Std Dev 11.51
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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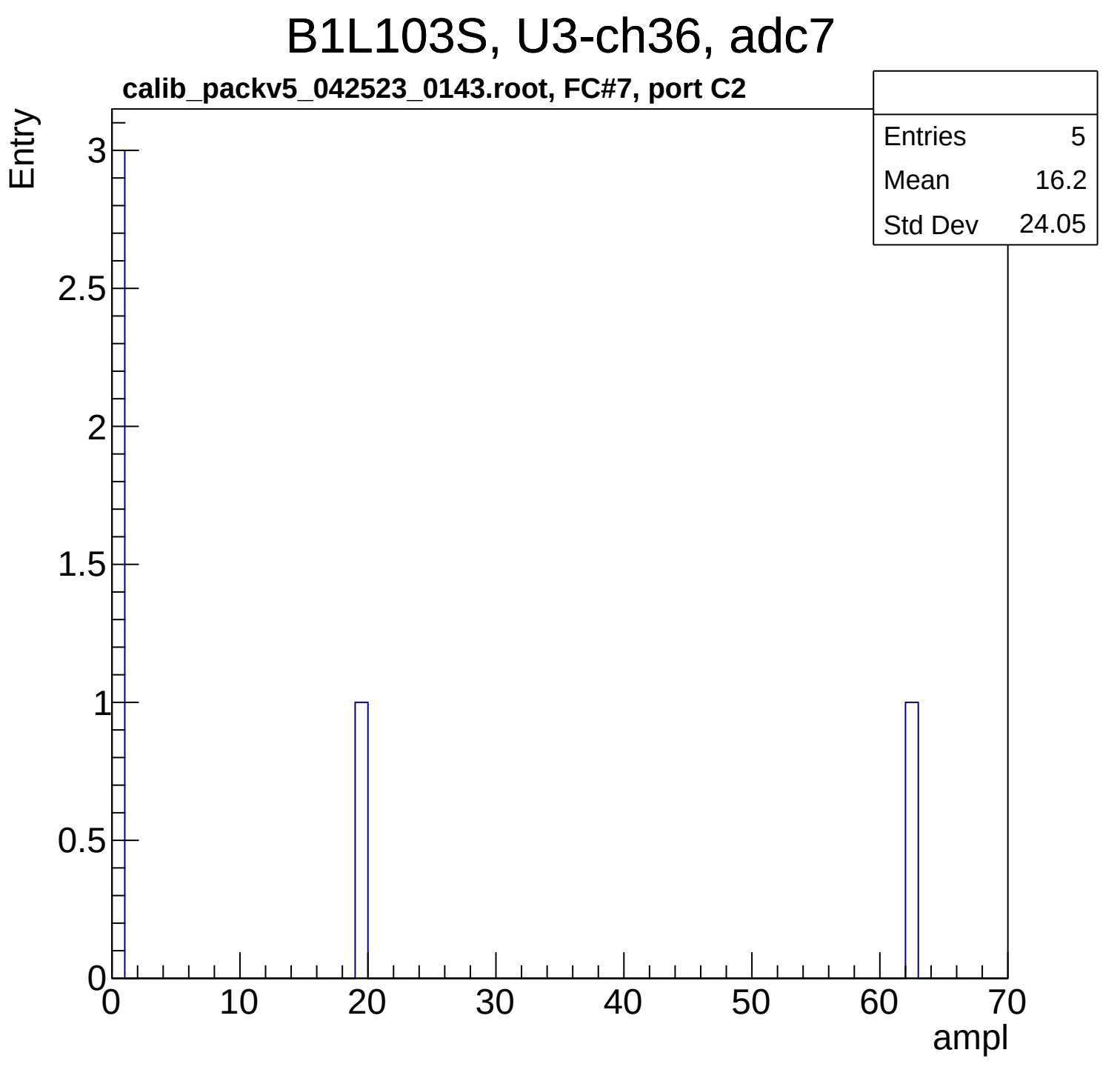
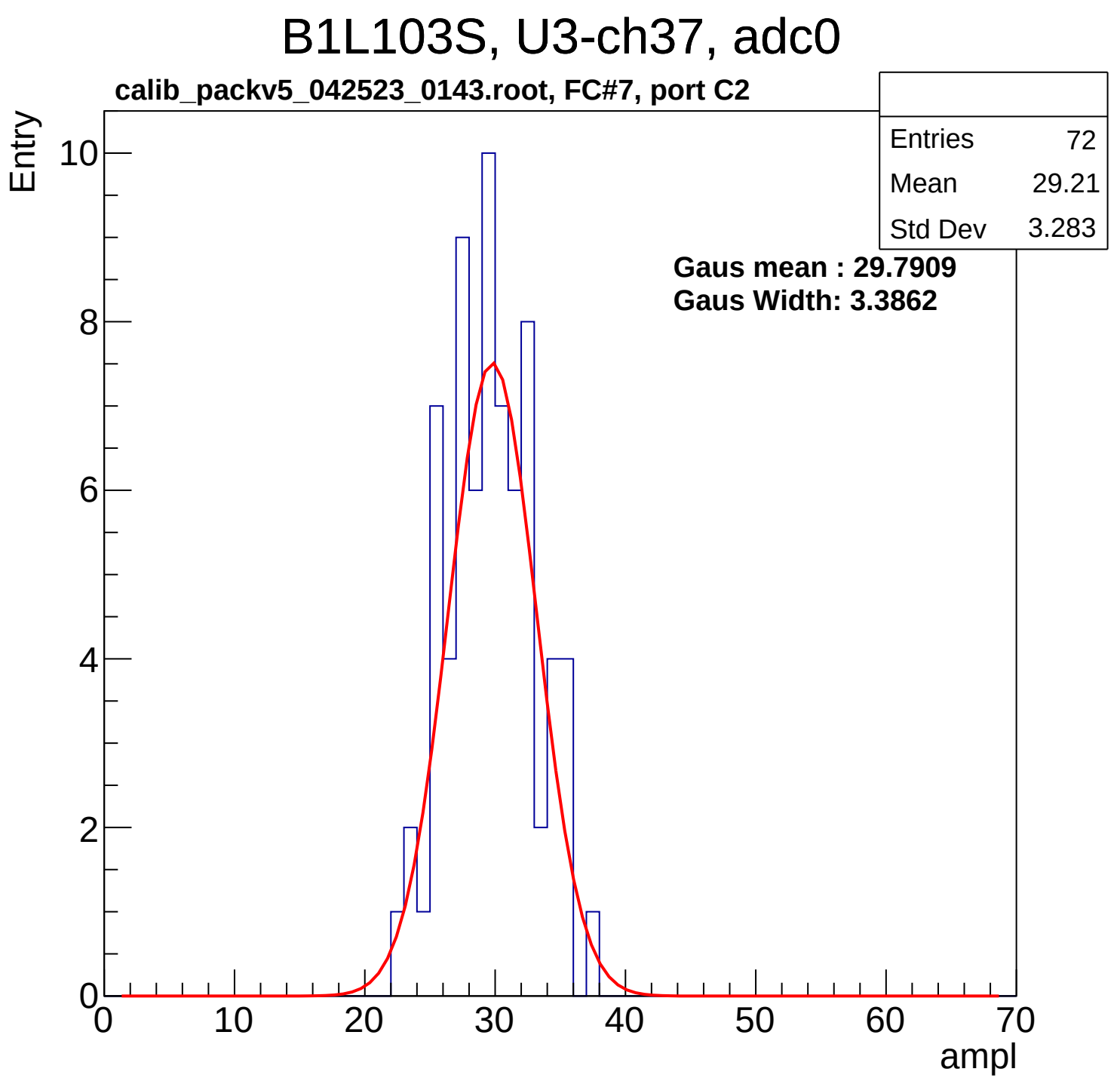

B1L103S, U3-ch36, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 16.2
Std Dev 24.05
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch37, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.21
Std Dev 3.283
Gaus mean : 29.7909
Gaus Width: 3.3862
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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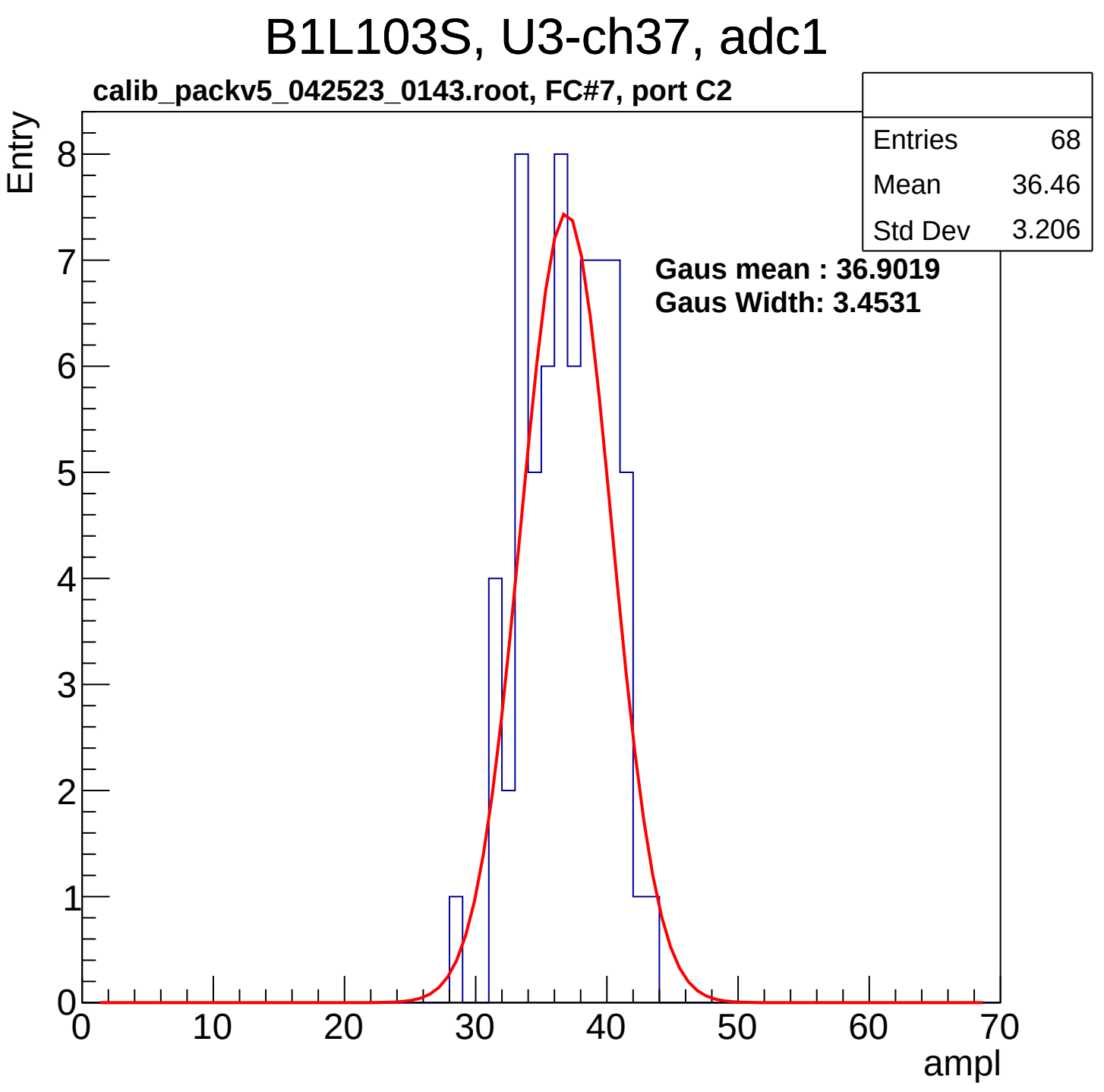
B1L103S, U3-ch37, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 36.46
Std Dev 3.206
Gaus mean : 36.9019
Gaus Width: 3.4531
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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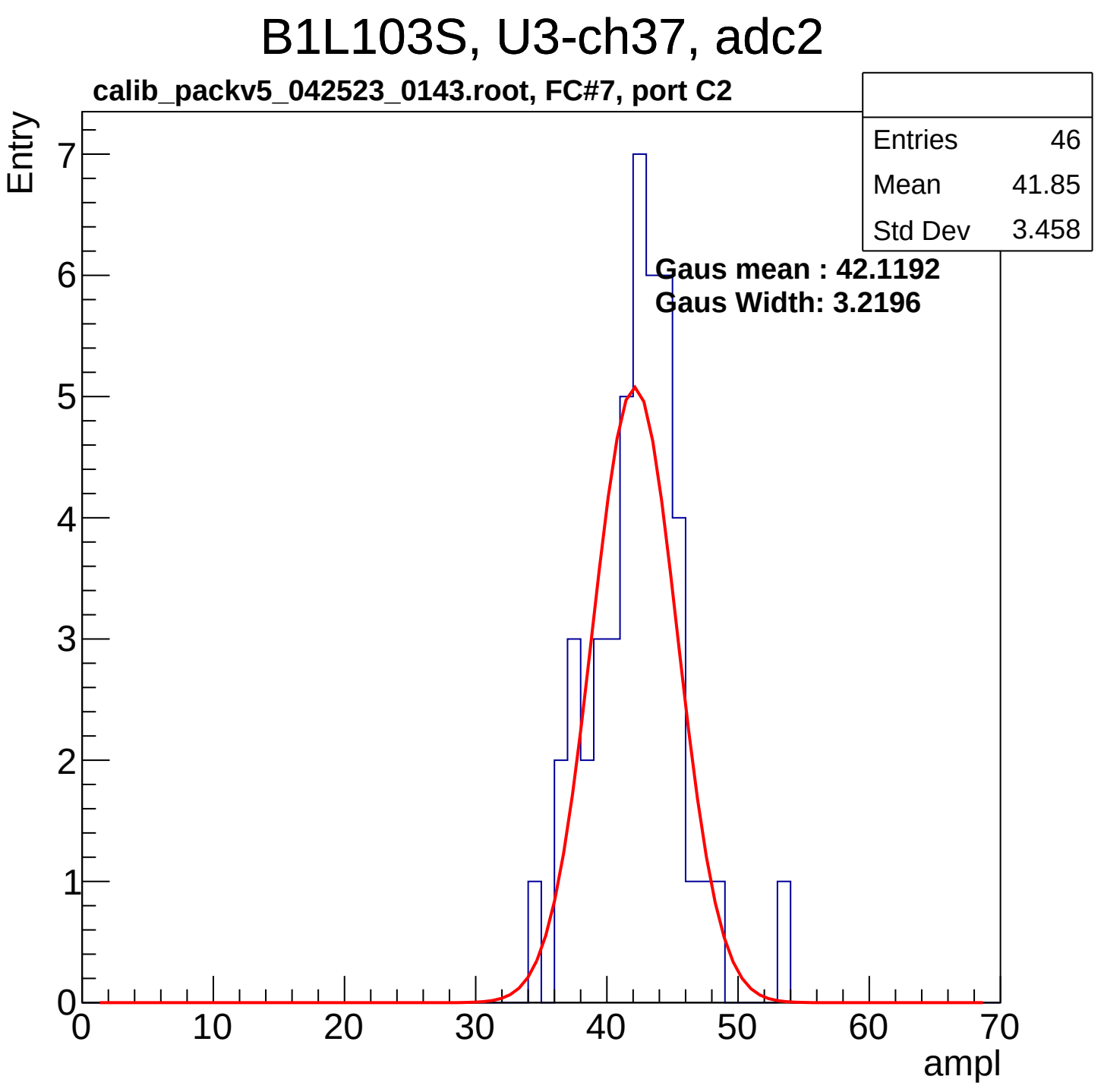
B1L103S, U3-ch37, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 41.85
Std Dev 3.458
Gaus mean : 42.1192
Gaus Width: 3.2196
Entry
ampl
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4
5
6
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0
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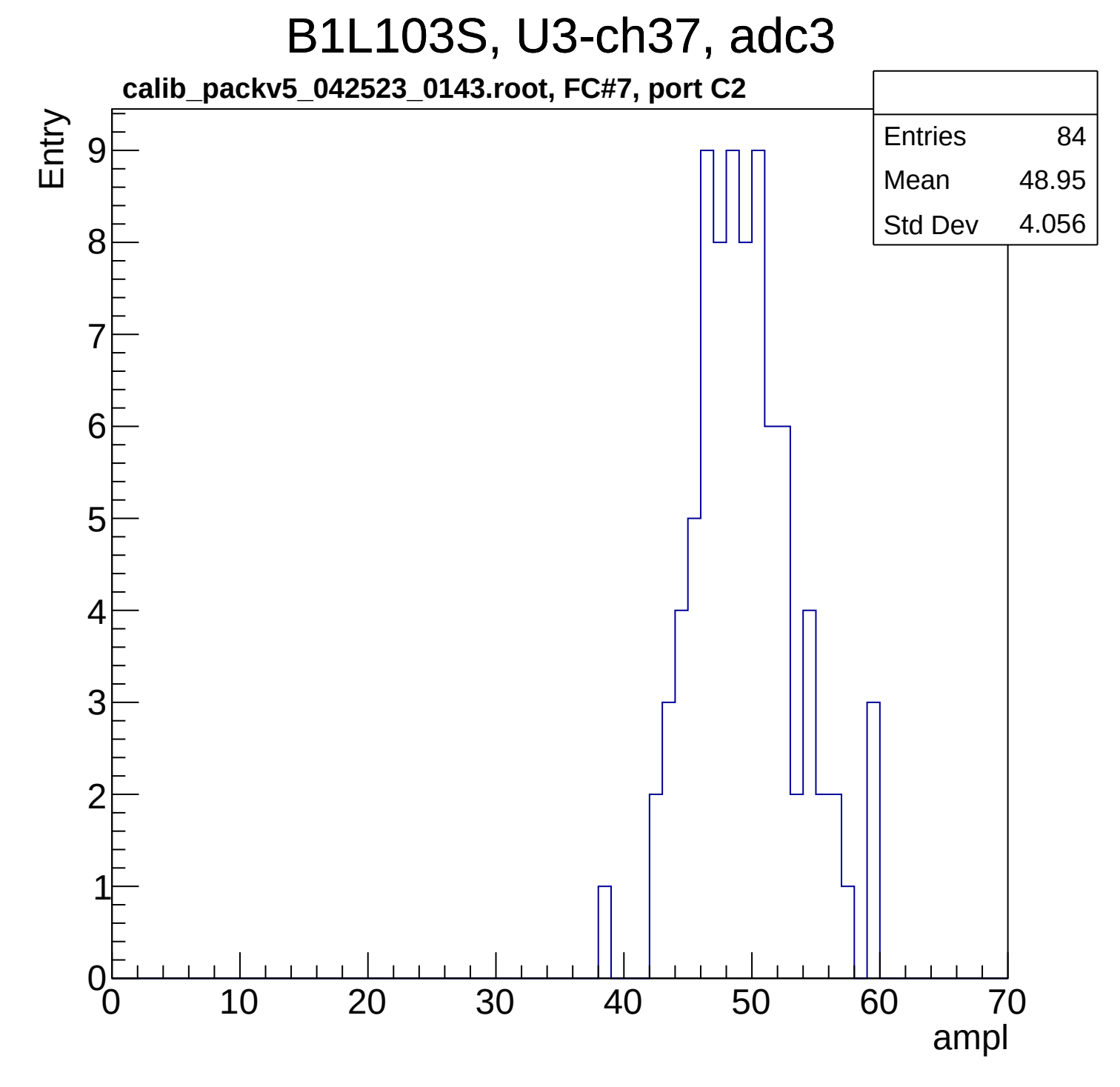
B1L103S, U3-ch37, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 48.95
Std Dev 4.056
Entry
ampl
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4
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6
7
8
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0
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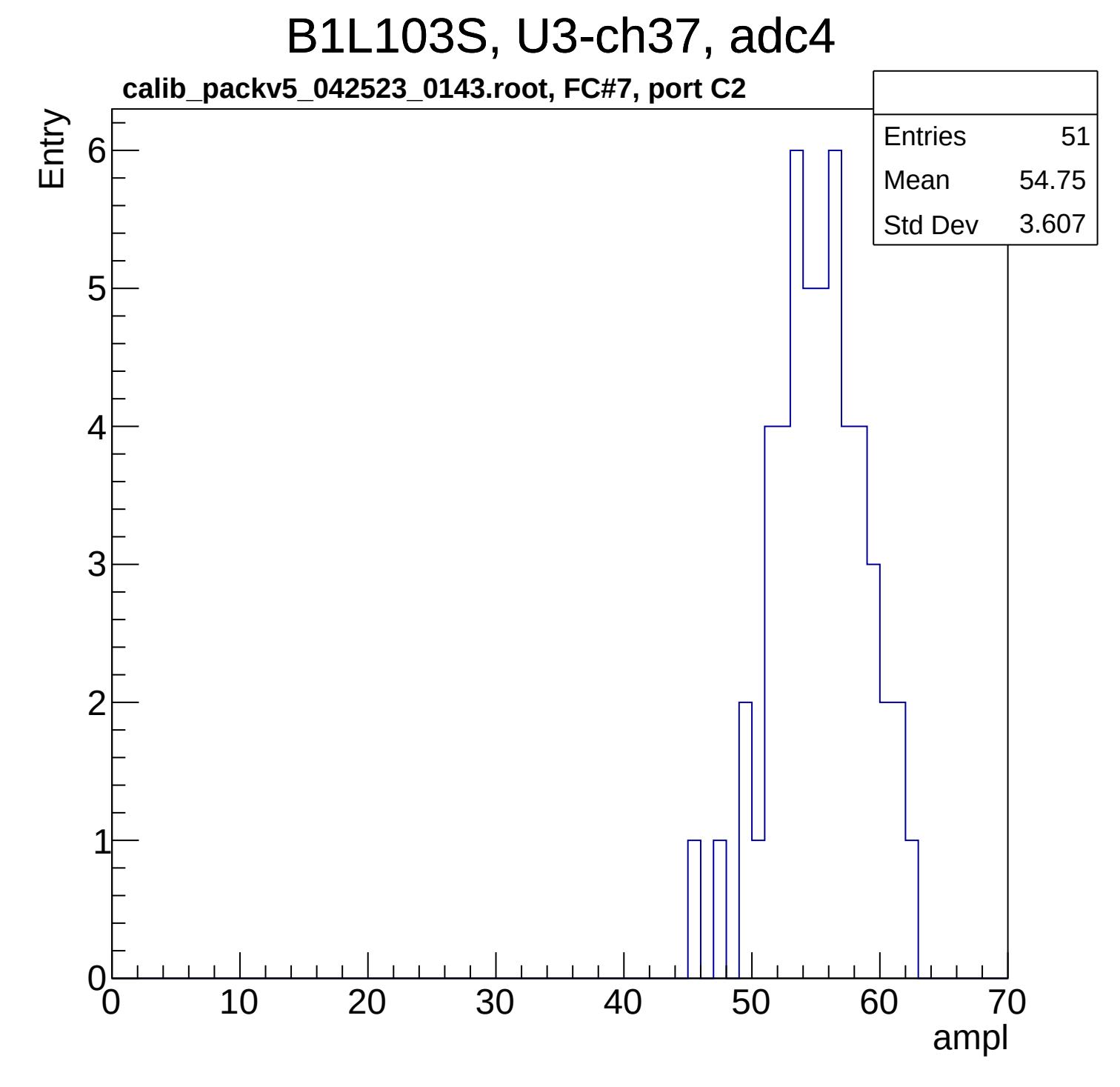
B1L103S, U3-ch37, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 54.75
Std Dev 3.607
Entry
ampl
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2
3
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5
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0
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20
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40
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60
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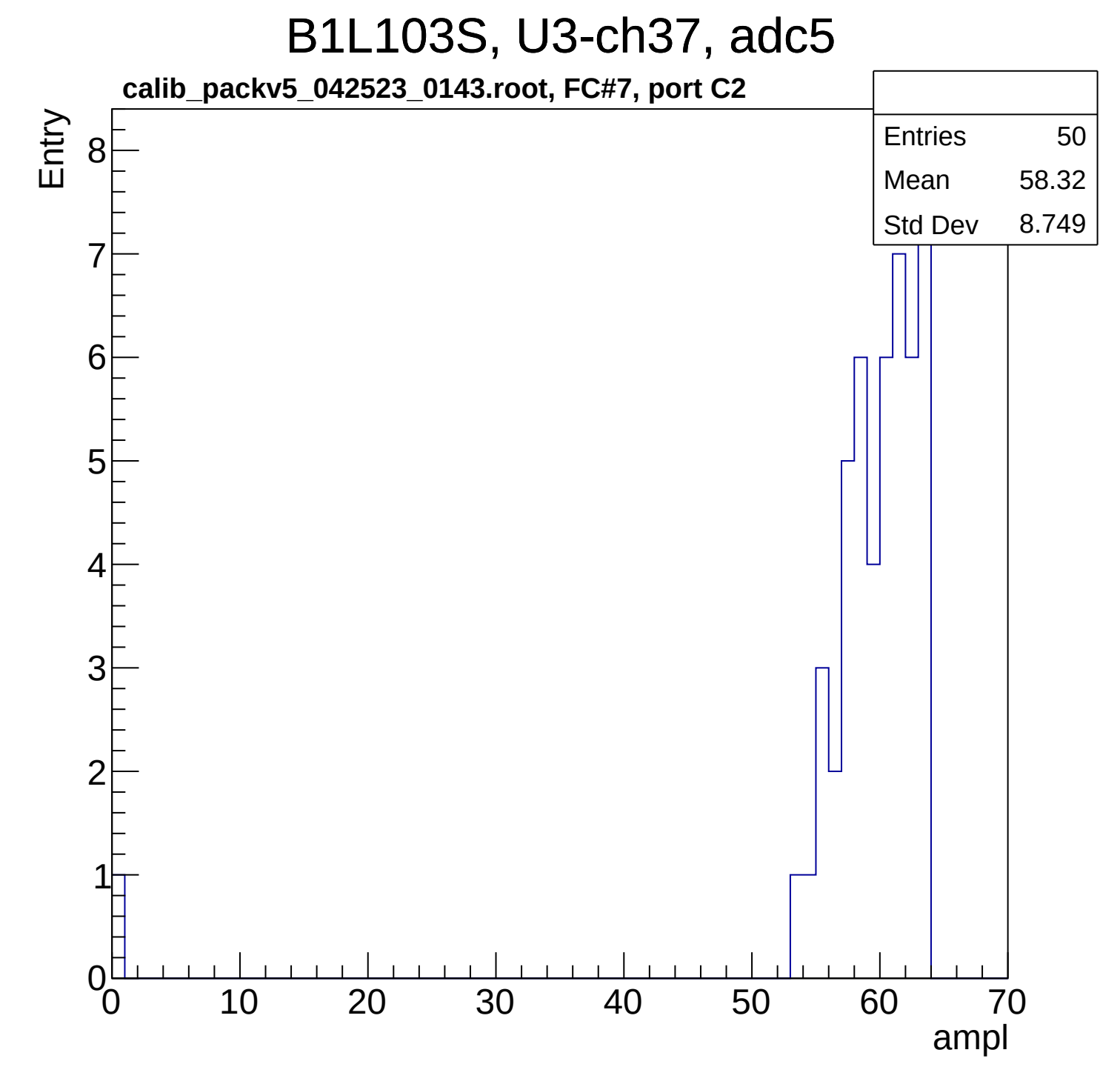
B1L103S, U3-ch37, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 58.32
Std Dev 8.749
Entry
ampl
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5
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7
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0
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20
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60
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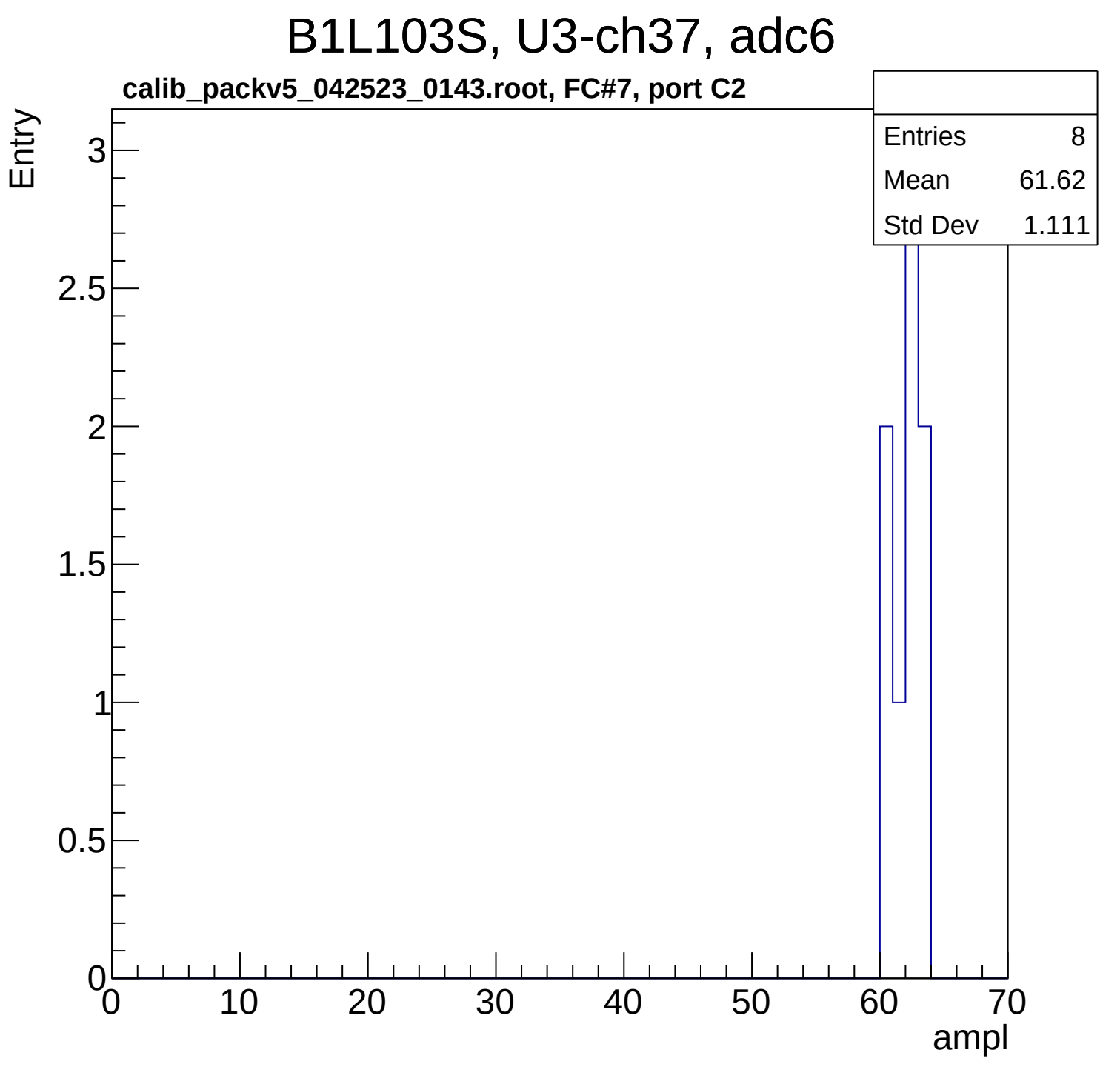
B1L103S, U3-ch37, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 61.62
Std Dev 1.111
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
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20
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40
50
60
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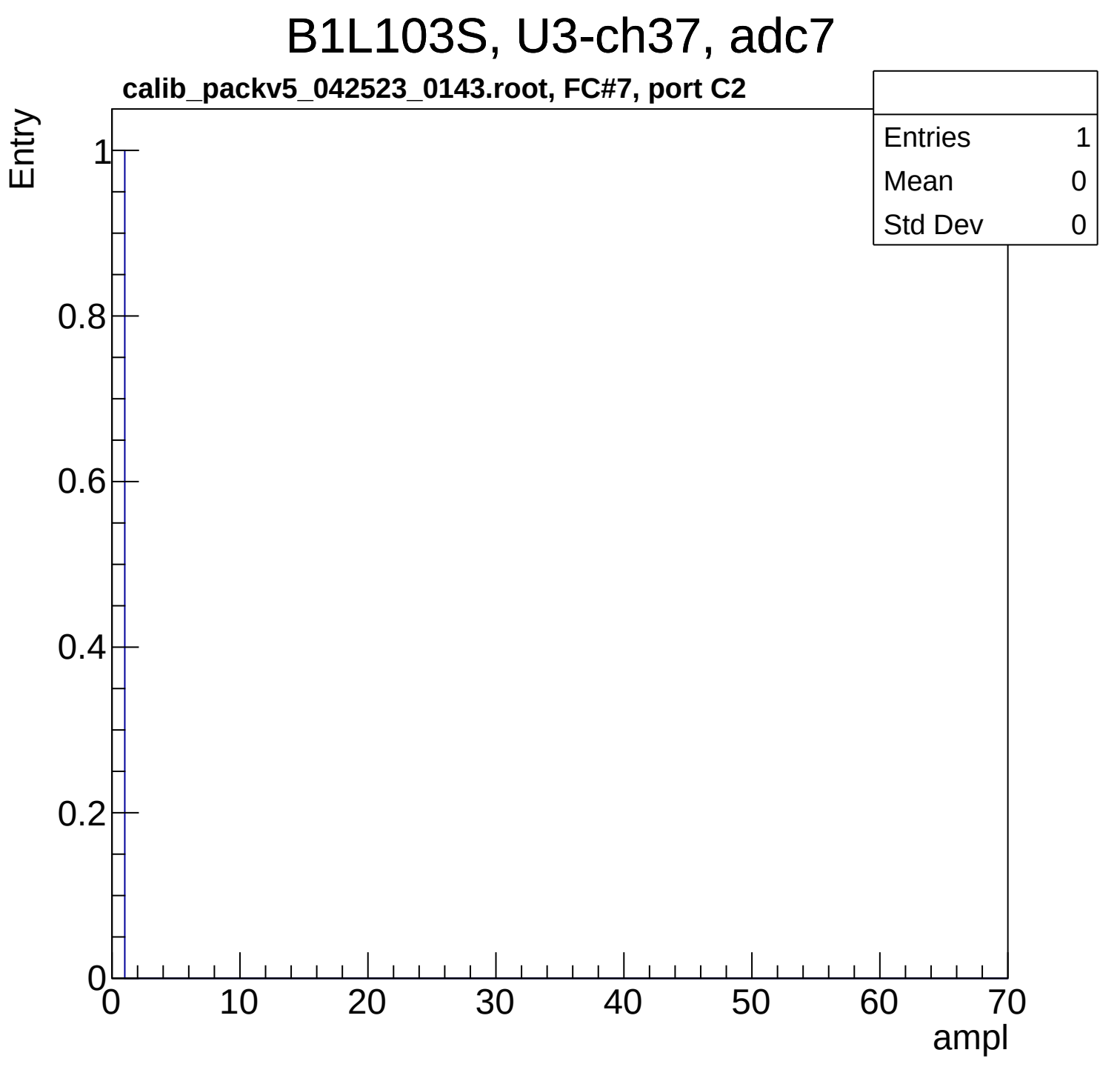
B1L103S, U3-ch37, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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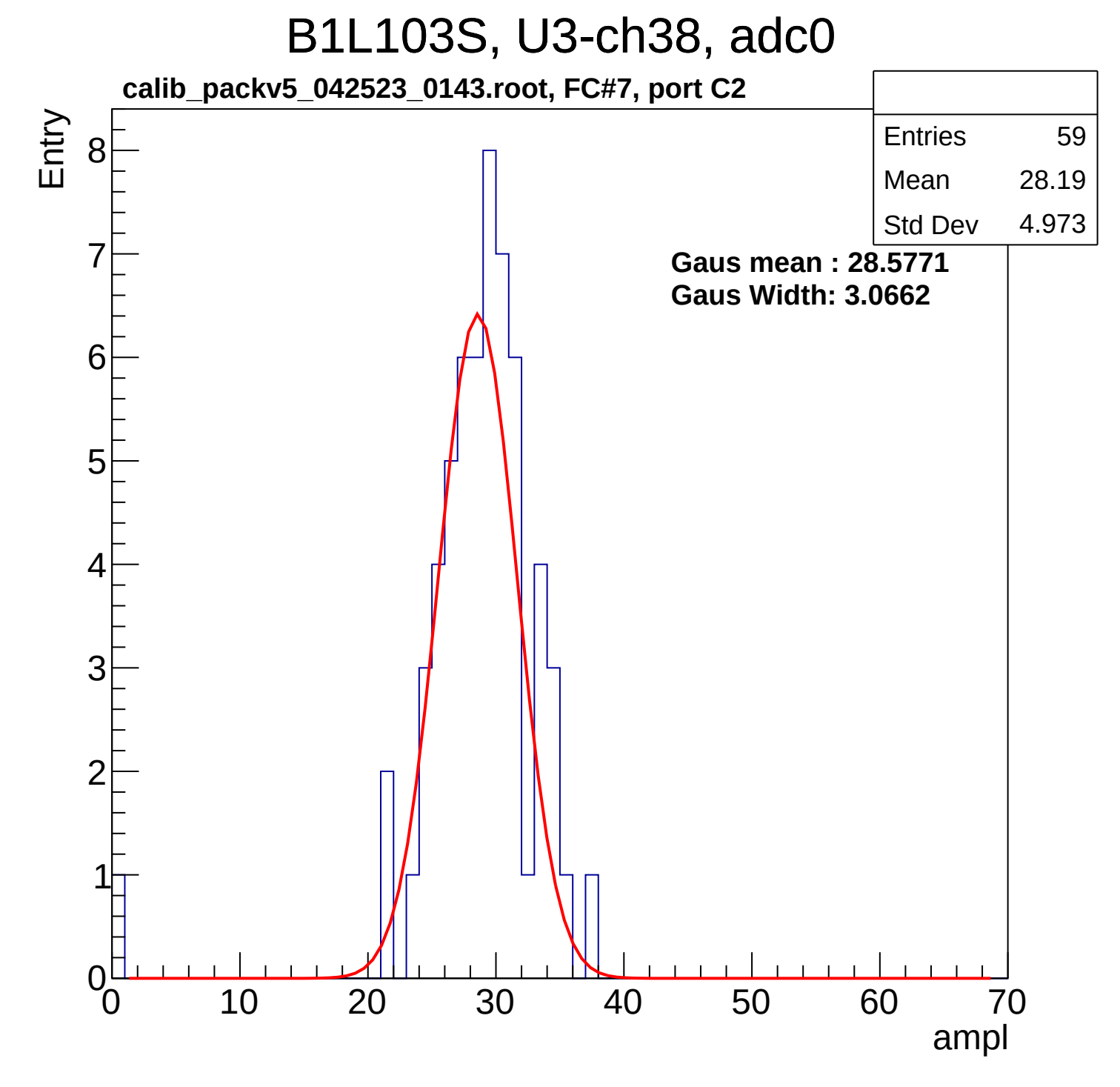
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch38, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 28.19
Std Dev 4.973
Gaus mean : 28.5771
Gaus Width: 3.0662
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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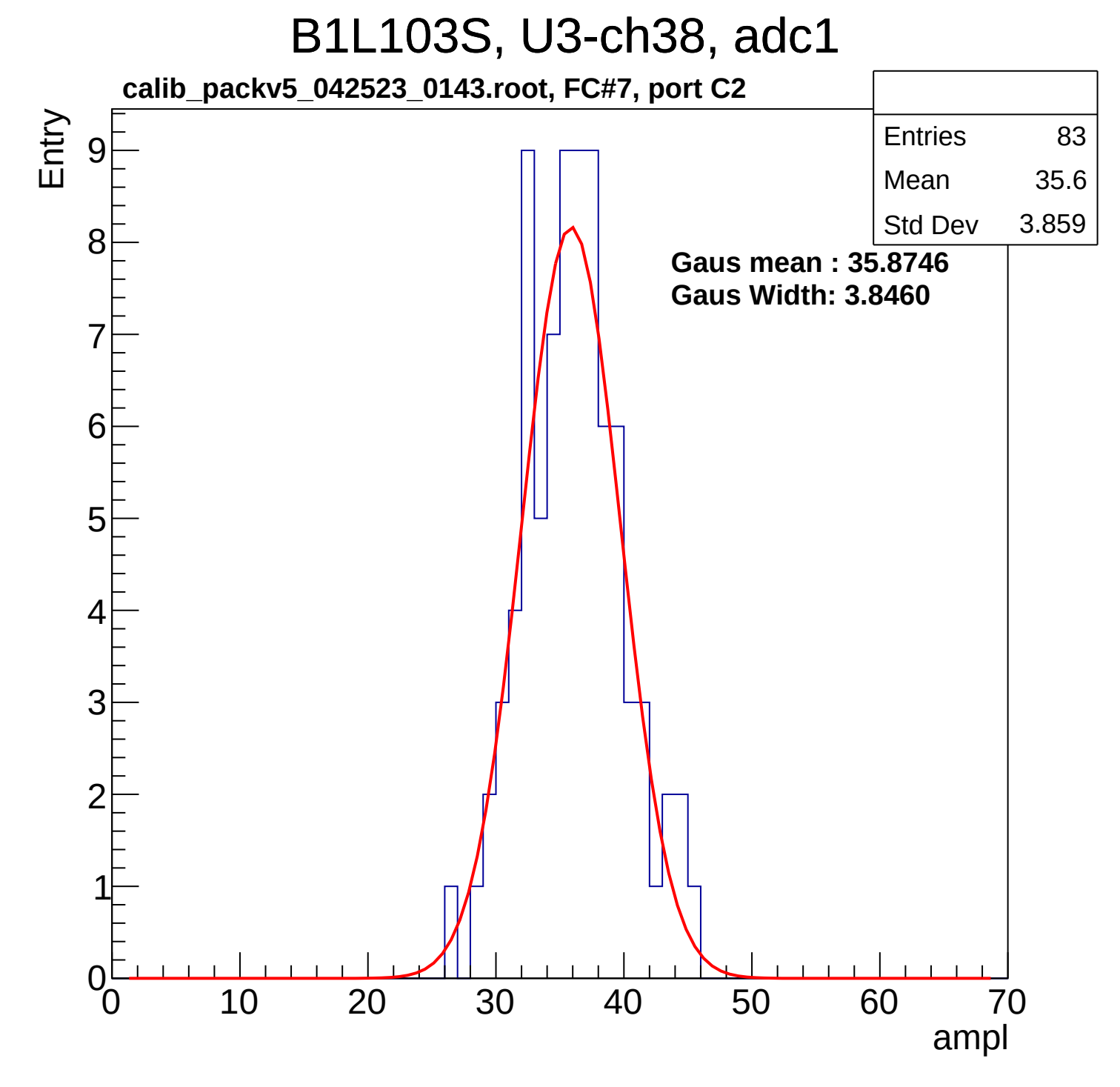
B1L103S, U3-ch38, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 83
Mean 35.6
Std Dev 3.859
Gaus mean : 35.8746
Gaus Width: 3.8460
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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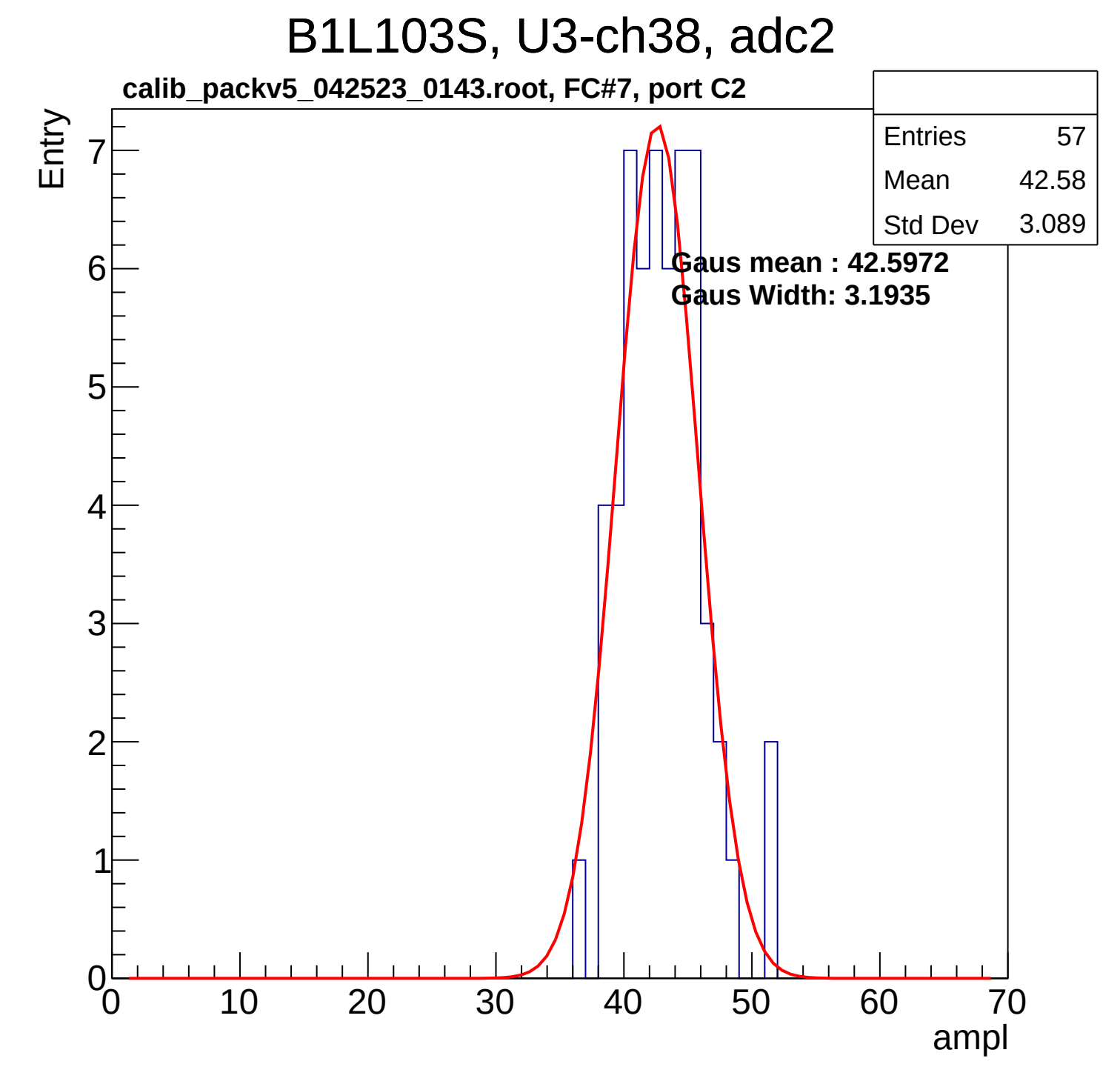
B1L103S, U3-ch38, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 42.58
Std Dev 3.089
Gaus mean : 42.5972
Gaus Width: 3.1935
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
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40
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60
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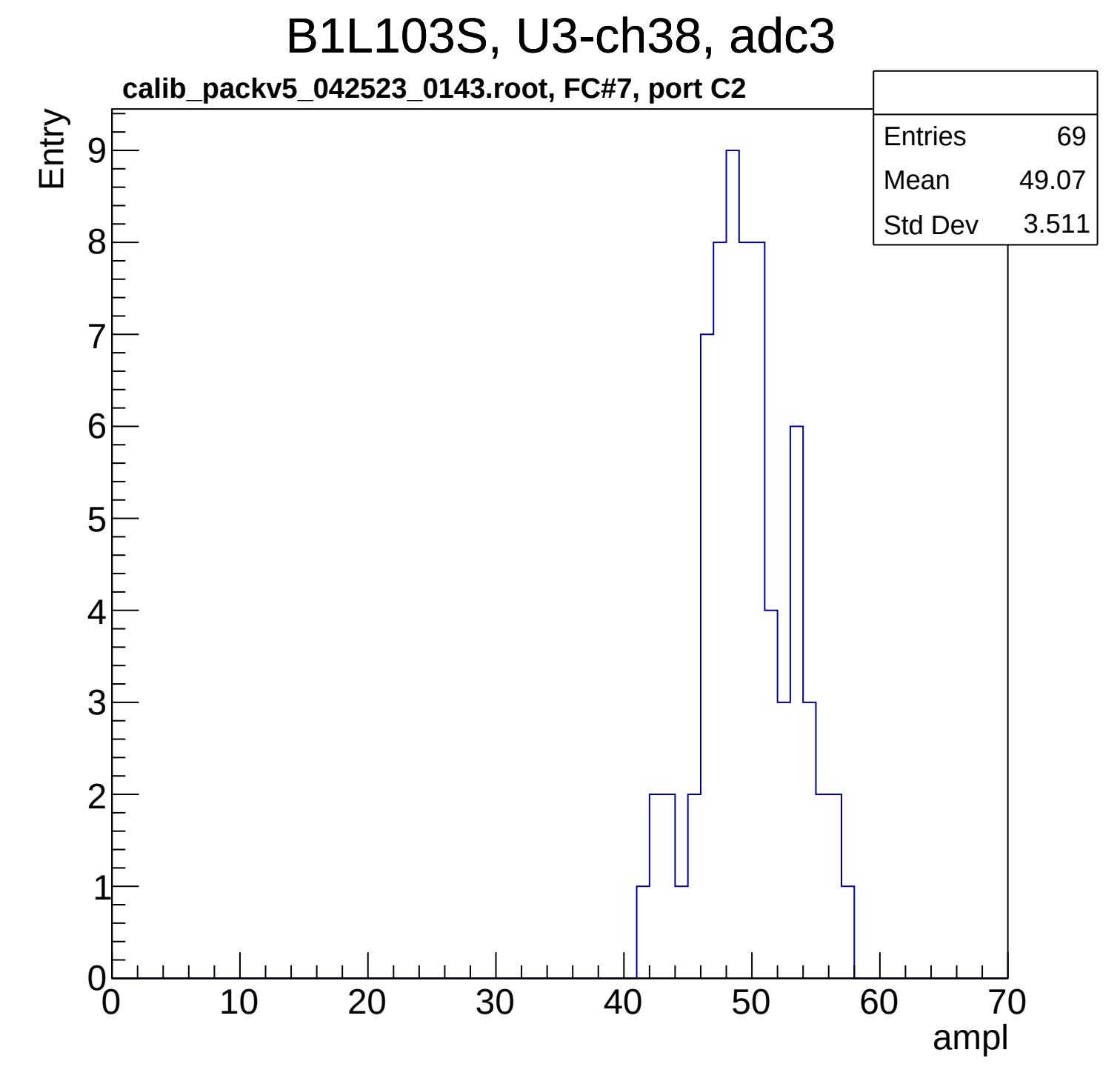
B1L103S, U3-ch38, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 49.07
Std Dev 3.511
Entry
ampl
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3
4
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7
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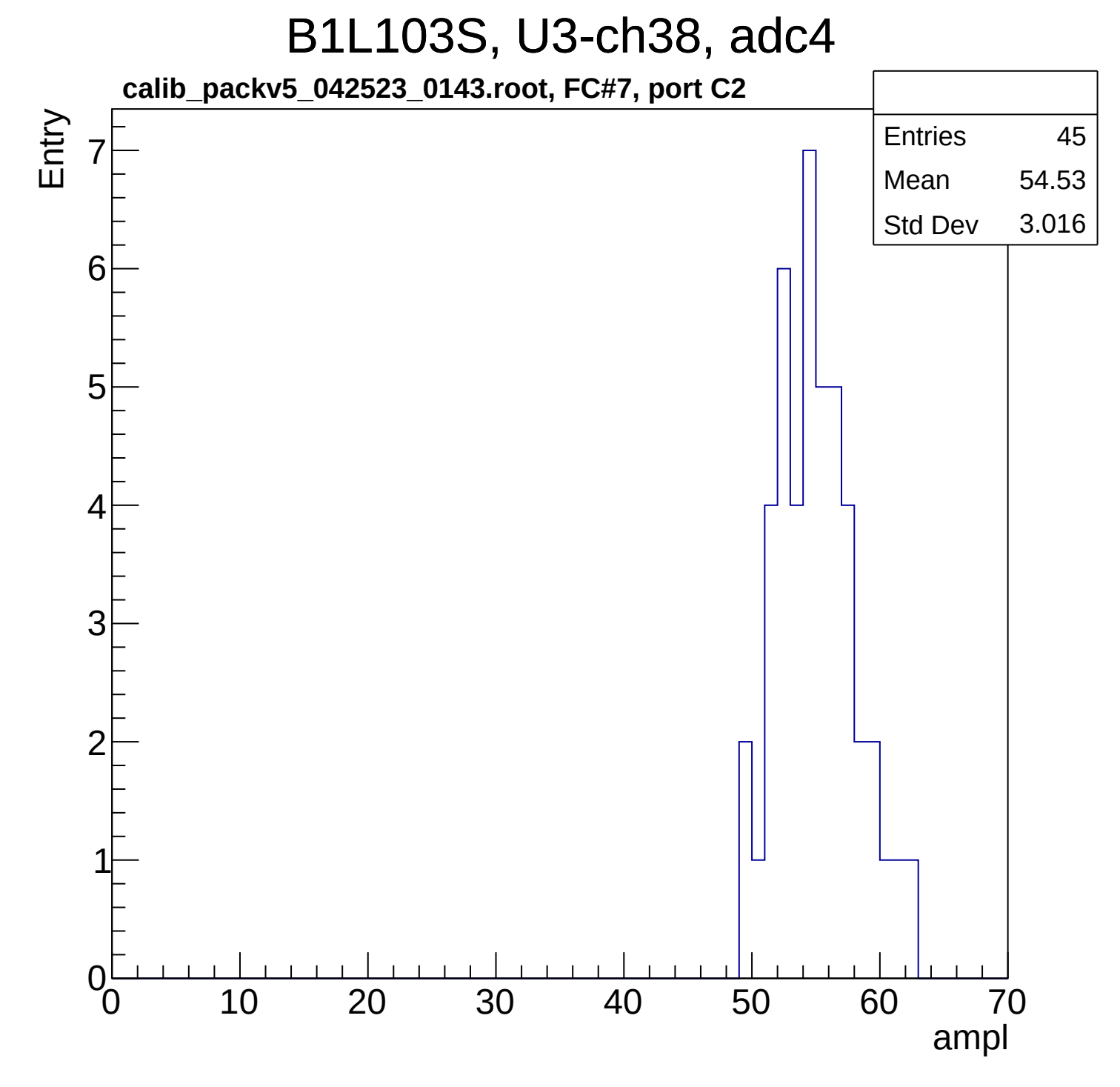
B1L103S, U3-ch38, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 54.53
Std Dev 3.016
Entry
ampl
0
1
2
3
4
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6
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0
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60
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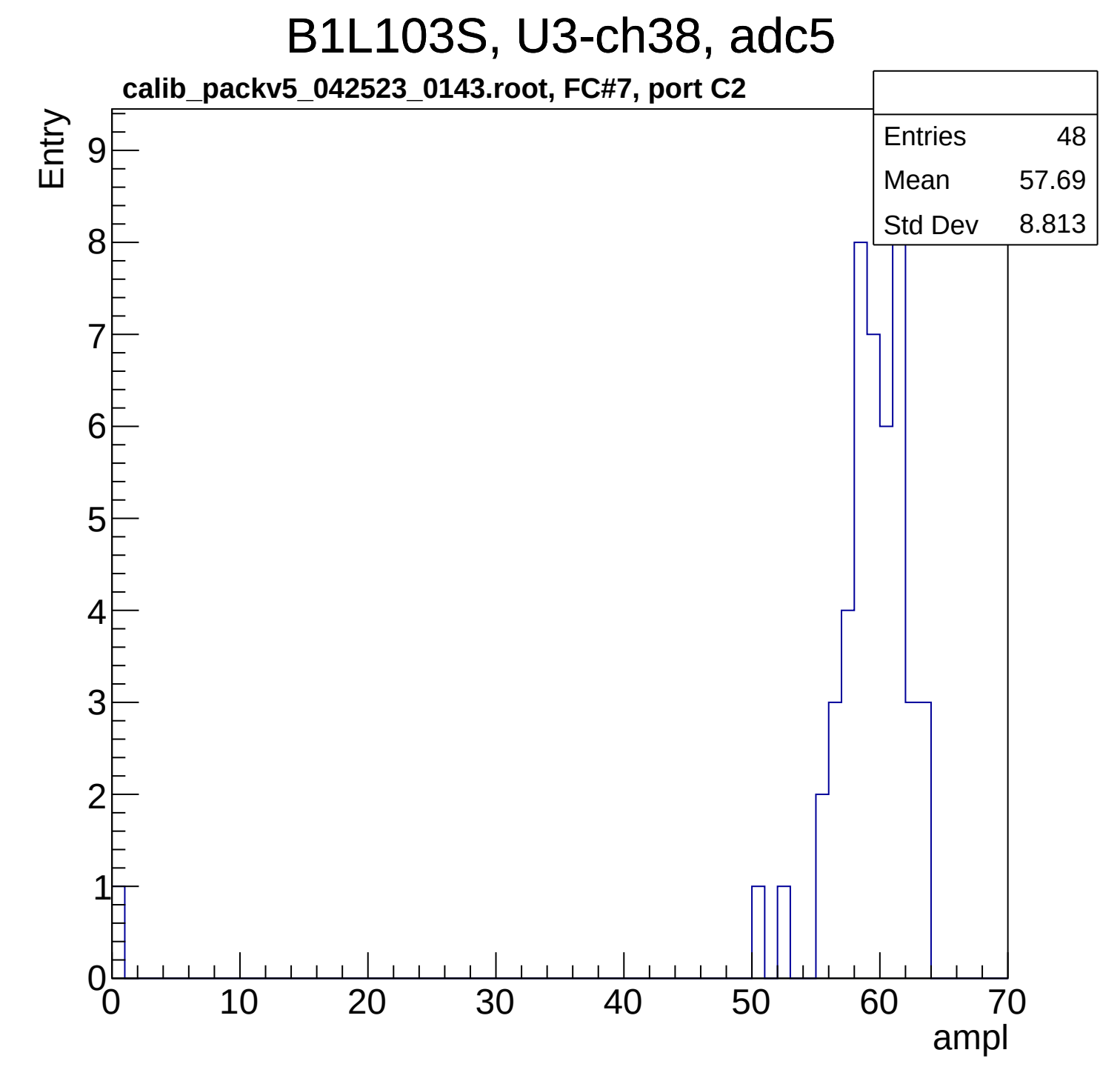
B1L103S, U3-ch38, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 57.69
Std Dev 8.813
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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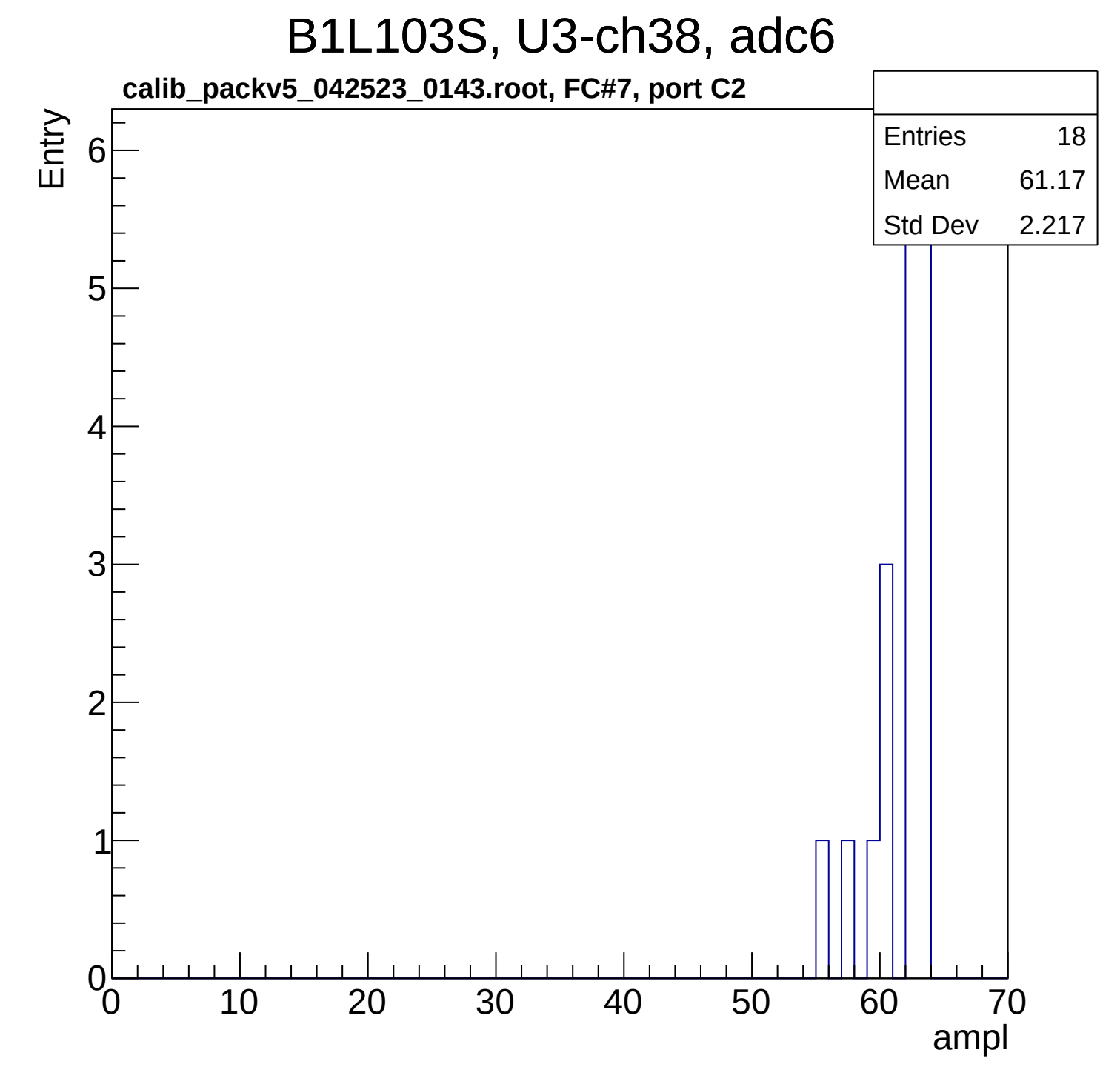
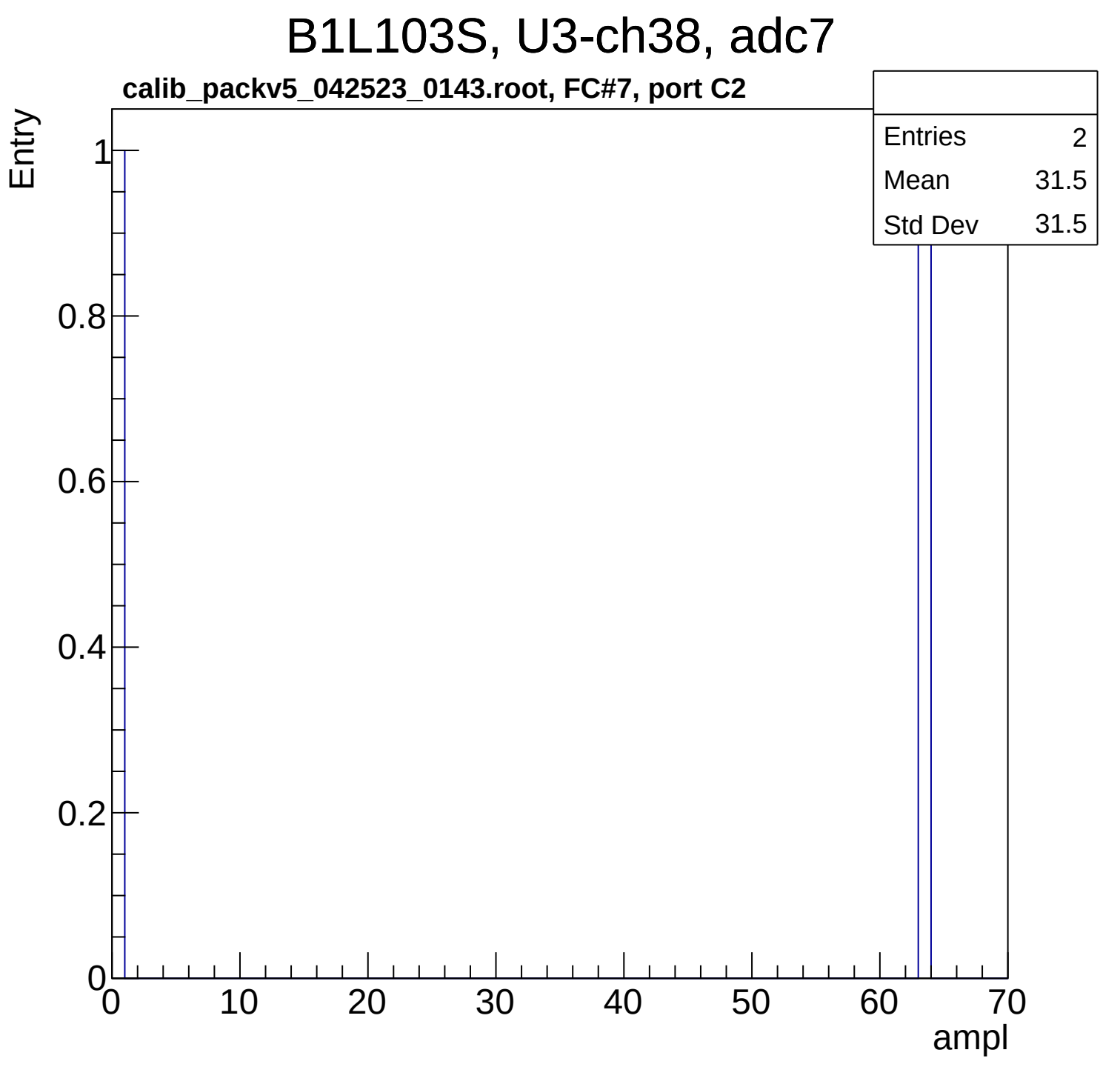

B1L103S, U3-ch38, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 61.17
Std Dev 2.217
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch38, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
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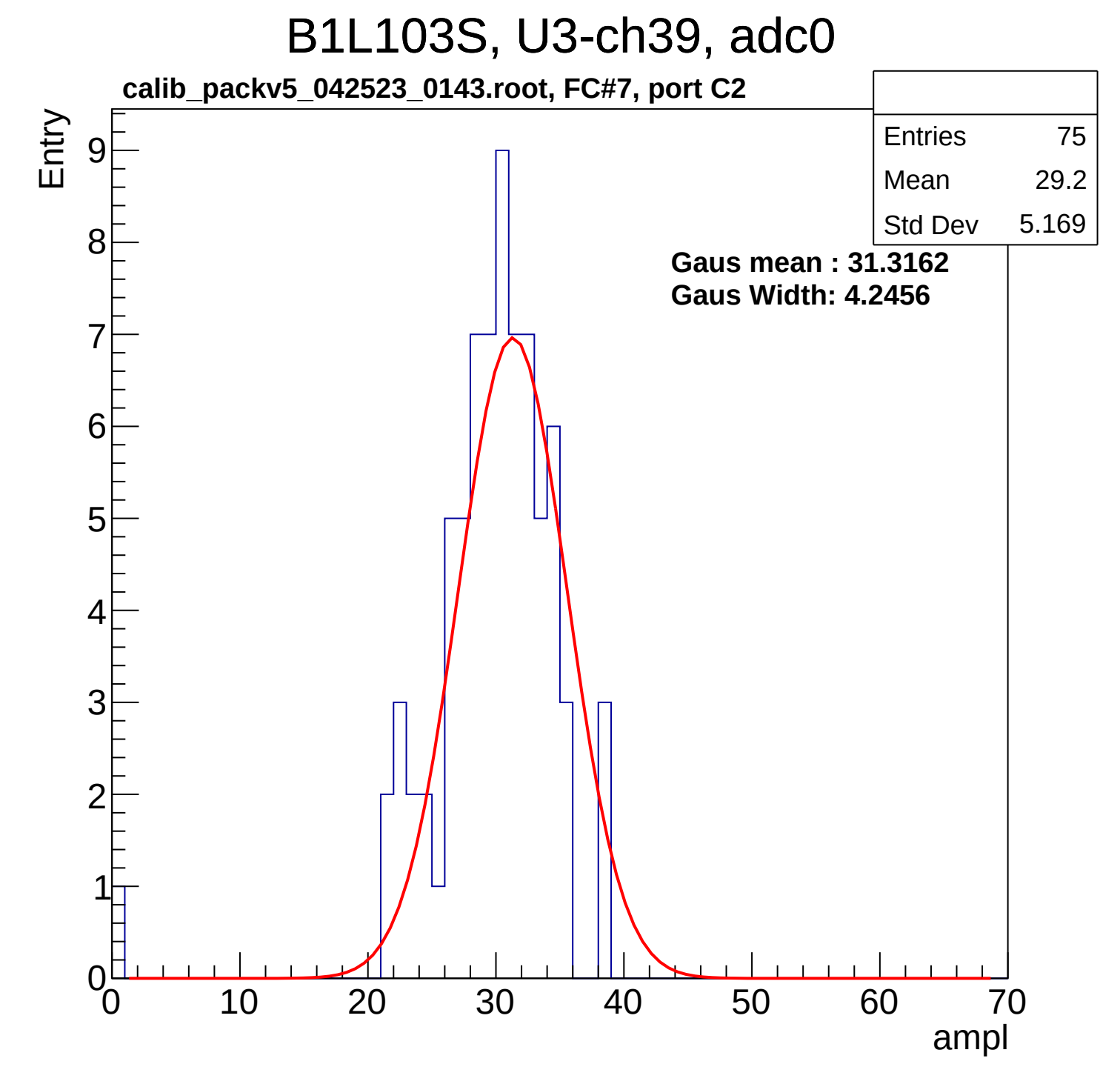
30
40
50
60
70
ampl


B1L103S, U3-ch39, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 29.2
Std Dev 5.169
Gaus mean : 31.3162
Gaus Width: 4.2456
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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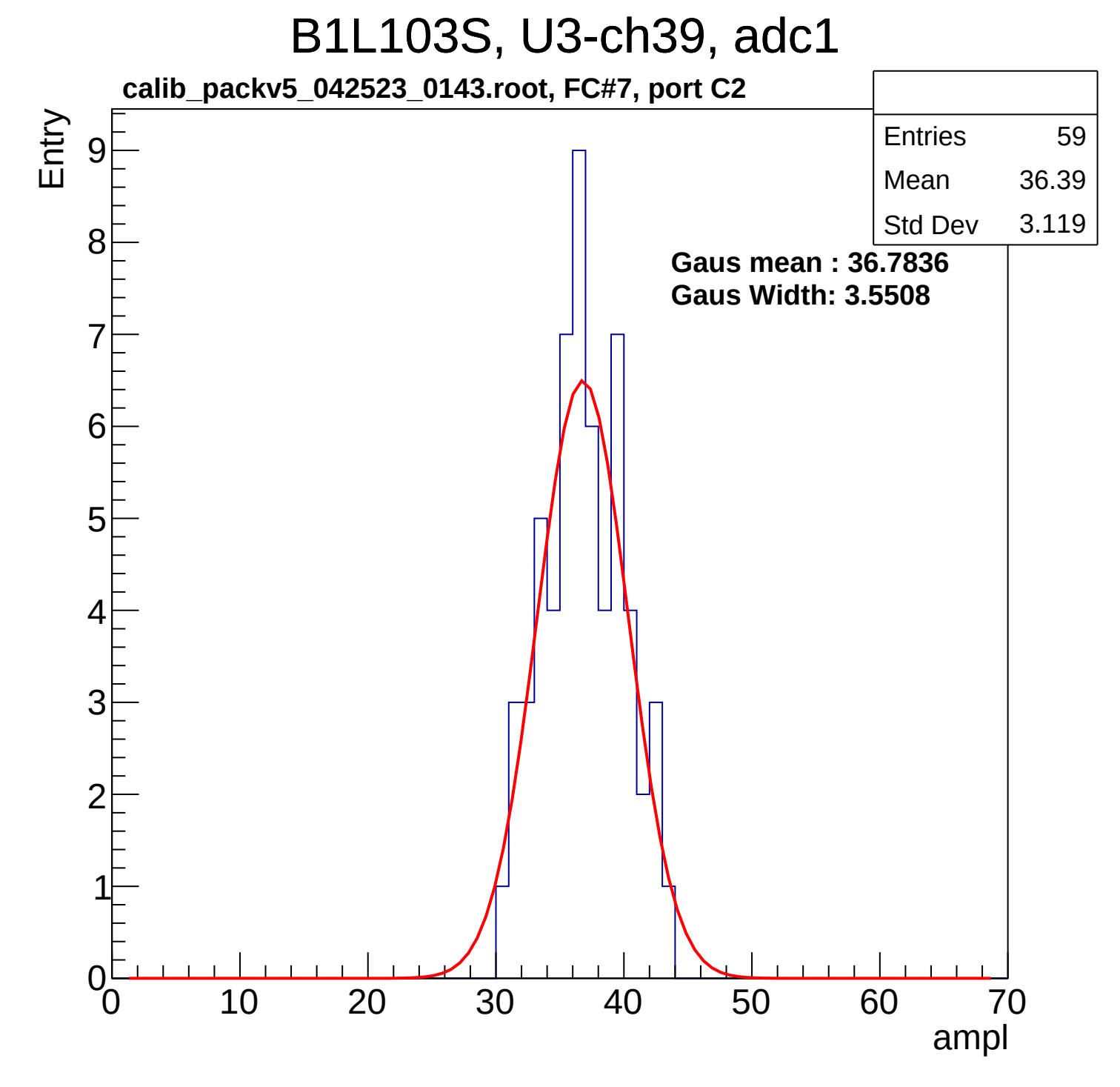
B1L103S, U3-ch39, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 36.39
Std Dev 3.119
Gaus mean : 36.7836
Gaus Width: 3.5508
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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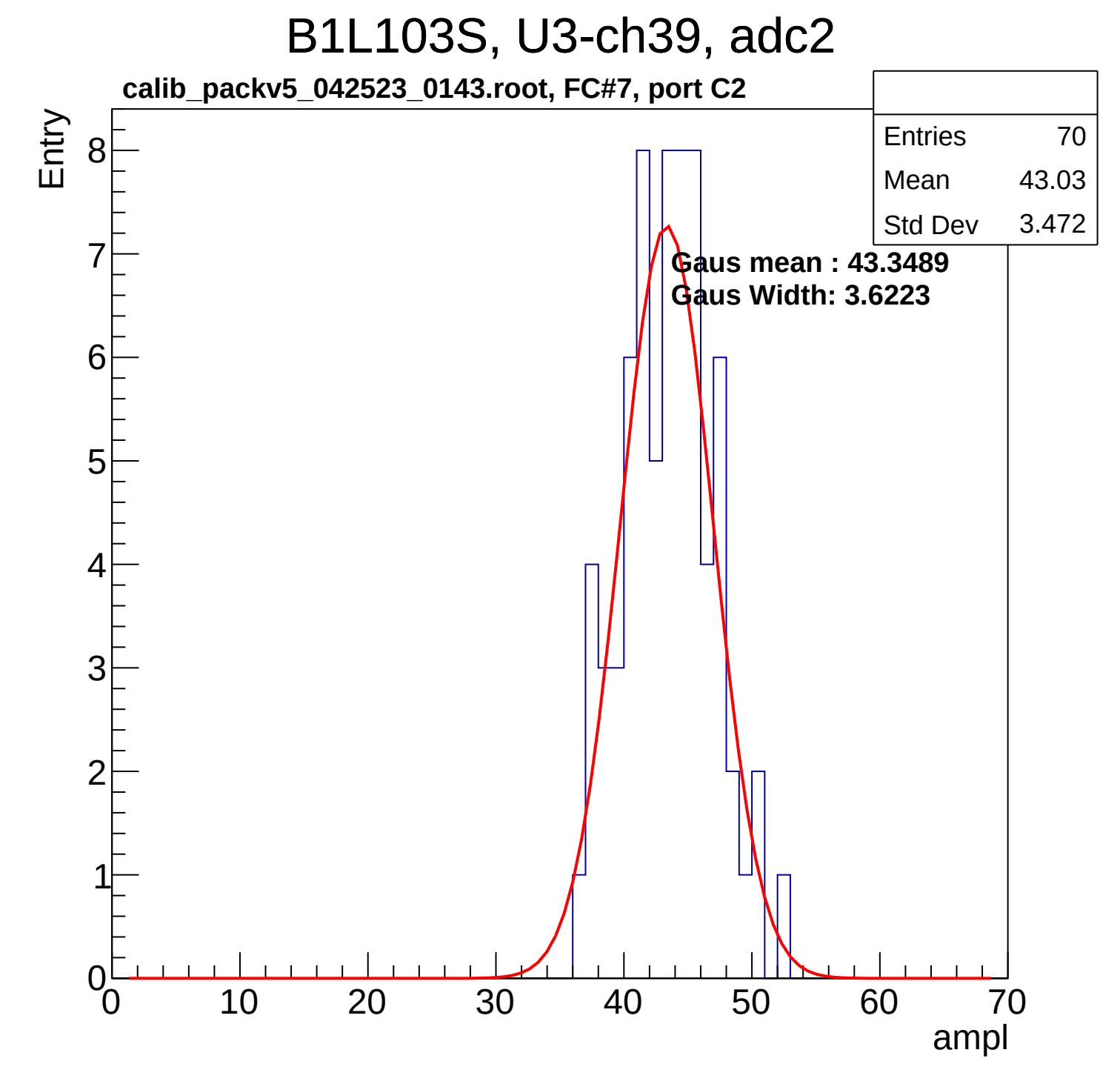
B1L103S, U3-ch39, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 43.03
Std Dev 3.472
Gaus mean : 43.3489
Gaus Width: 3.6223
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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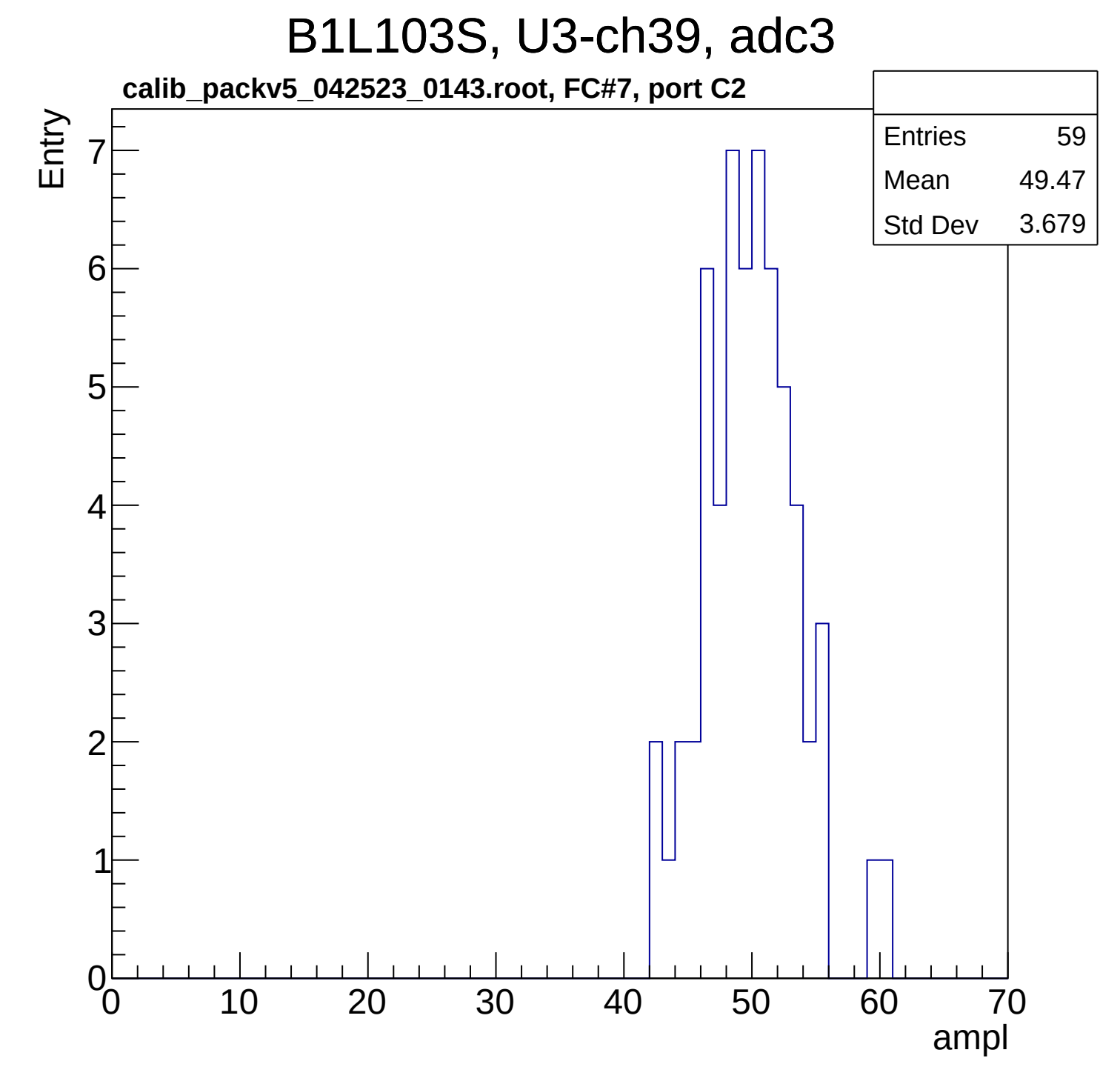
B1L103S, U3-ch39, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 49.47
Std Dev 3.679
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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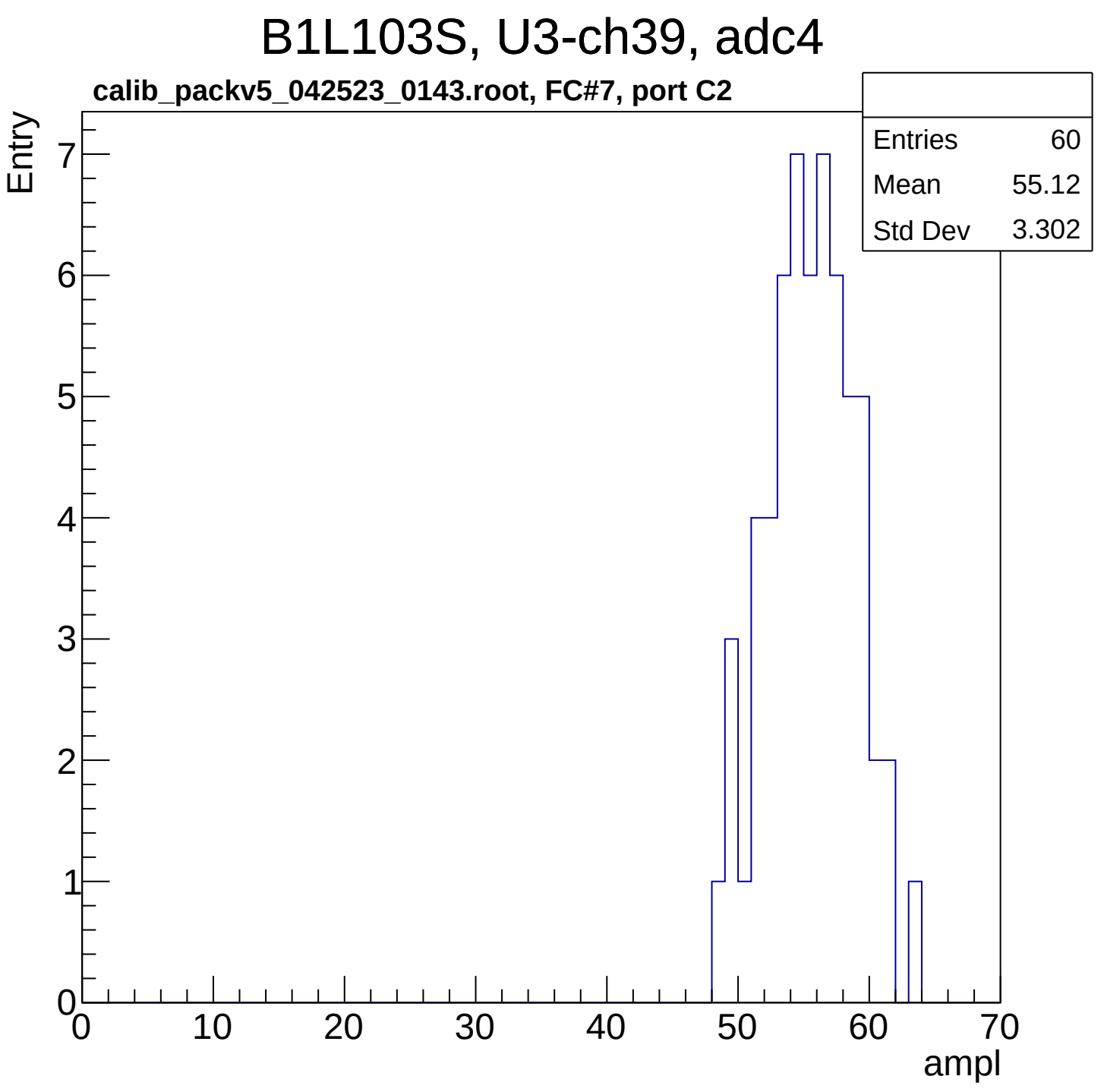
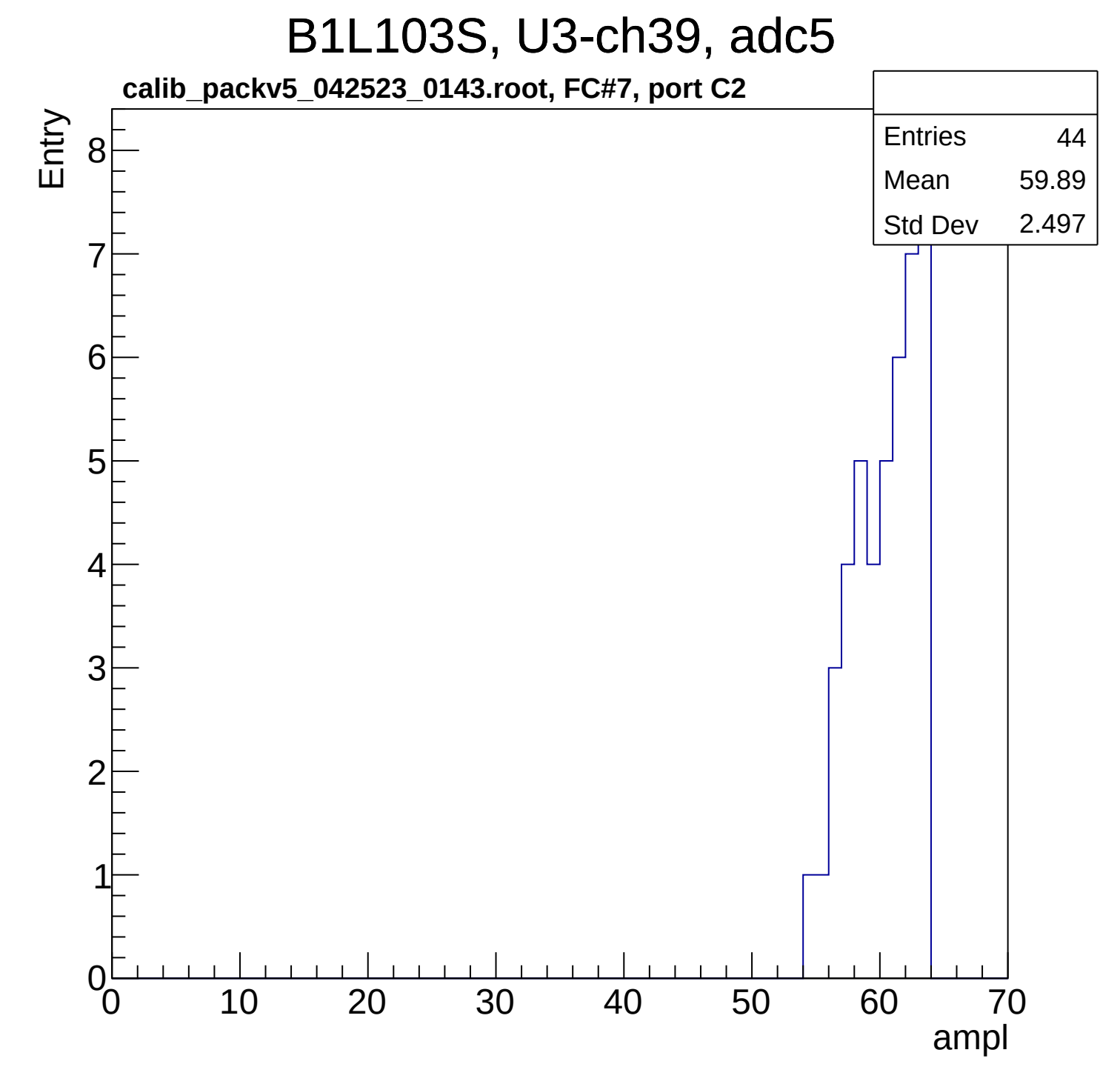

B1L103S, U3-ch39, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 55.12
Std Dev 3.302
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch39, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 59.89
Std Dev 2.497
Entry
ampl
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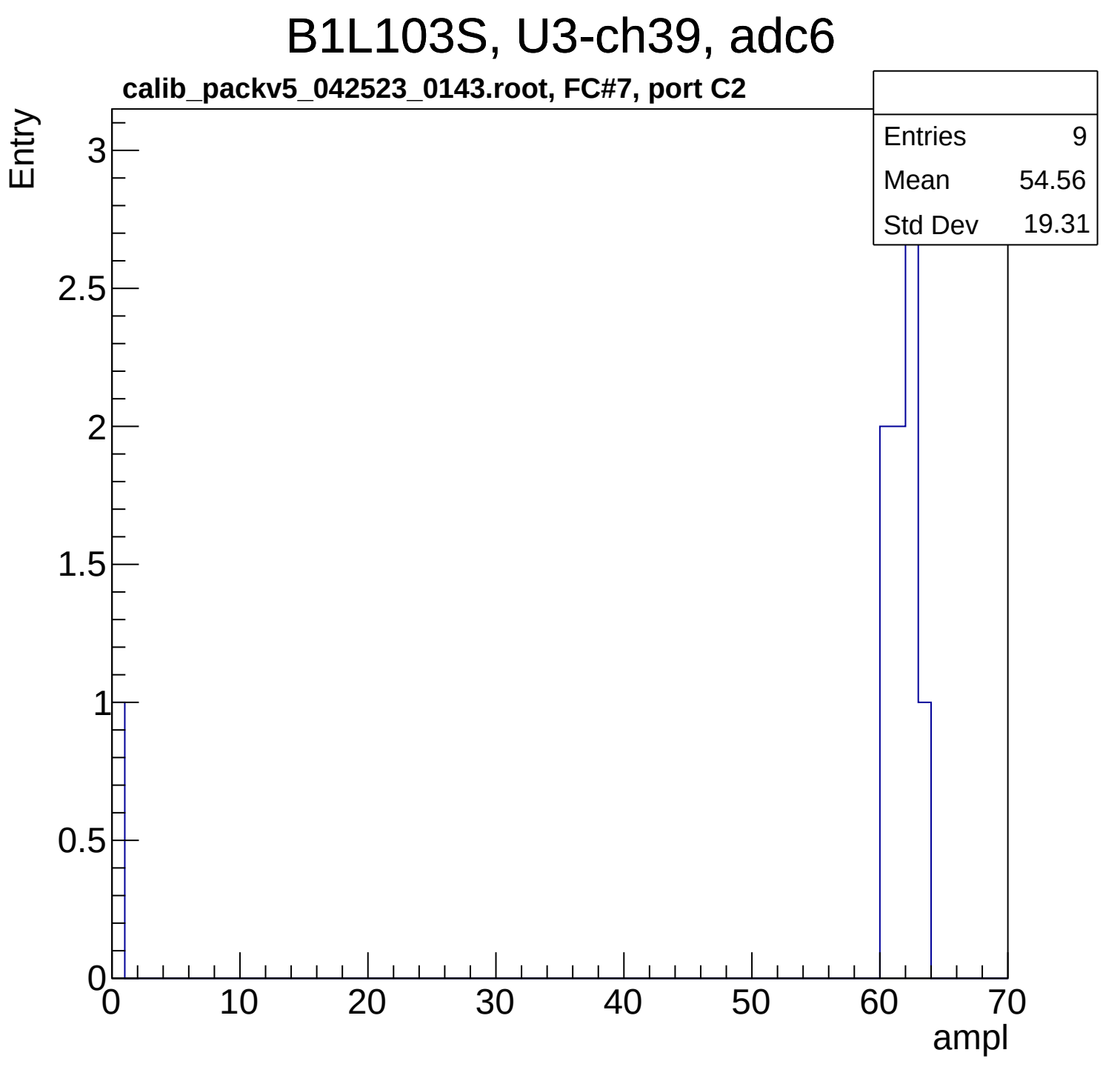
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch39, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 54.56
Std Dev 19.31
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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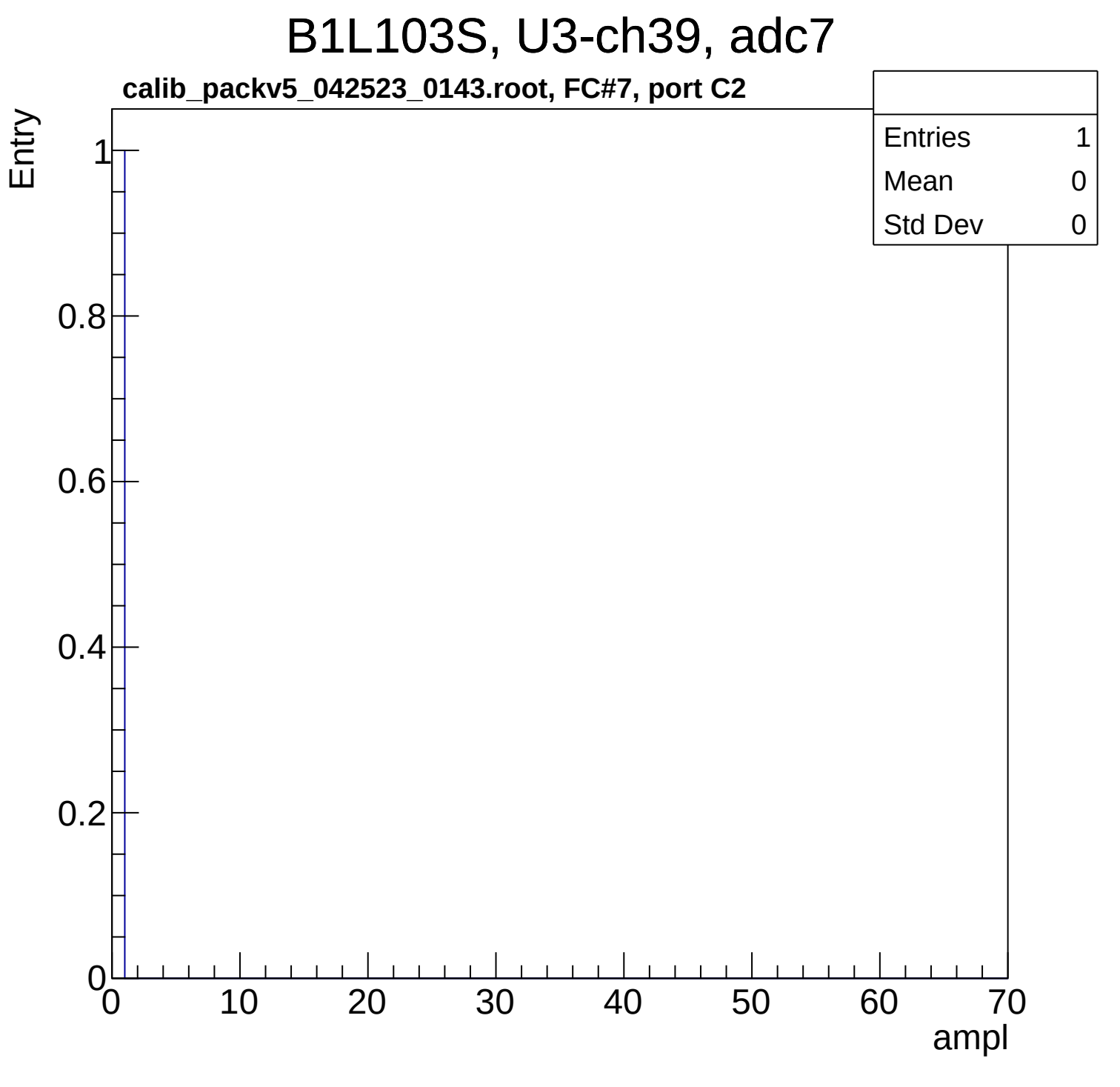
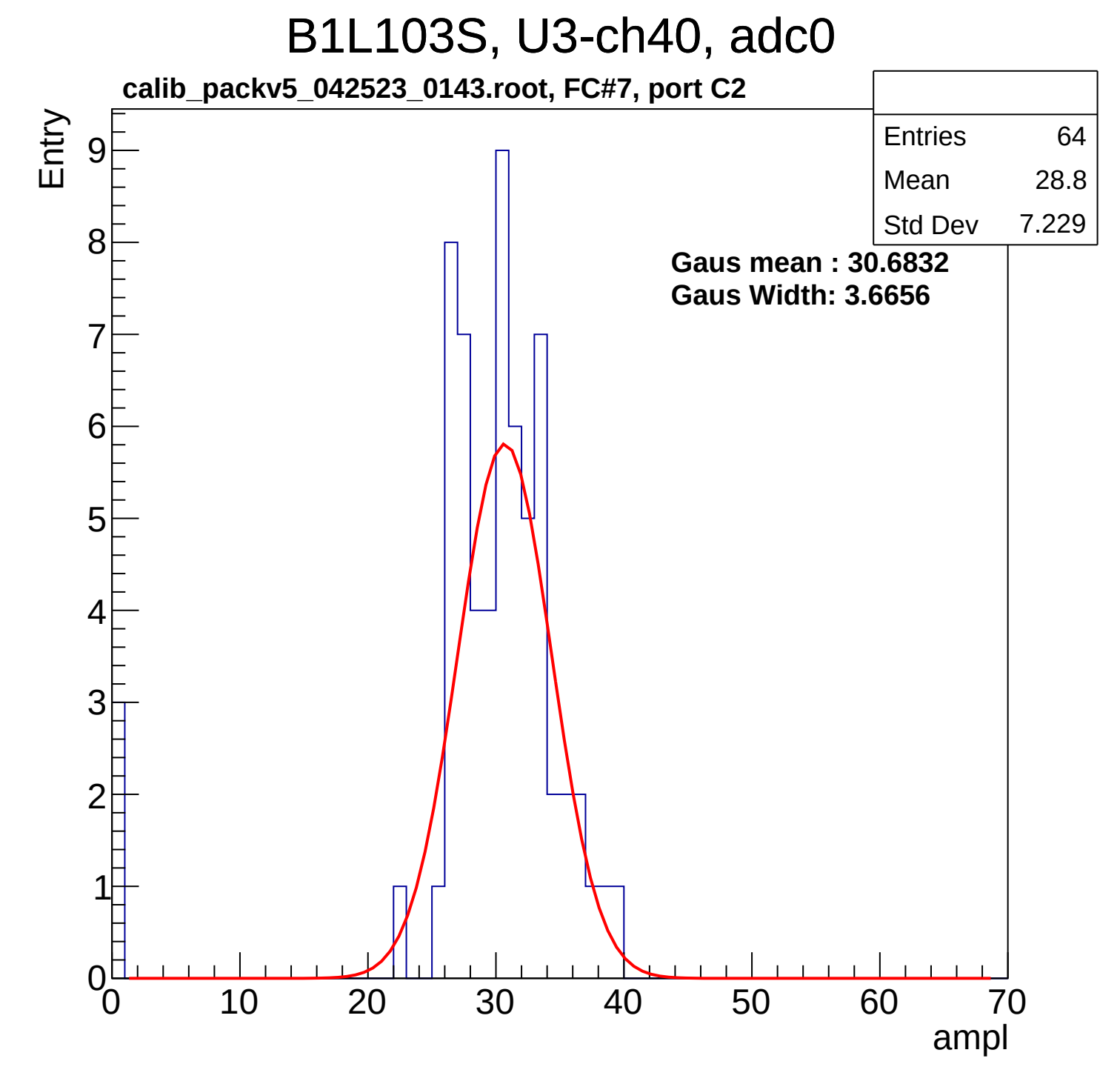
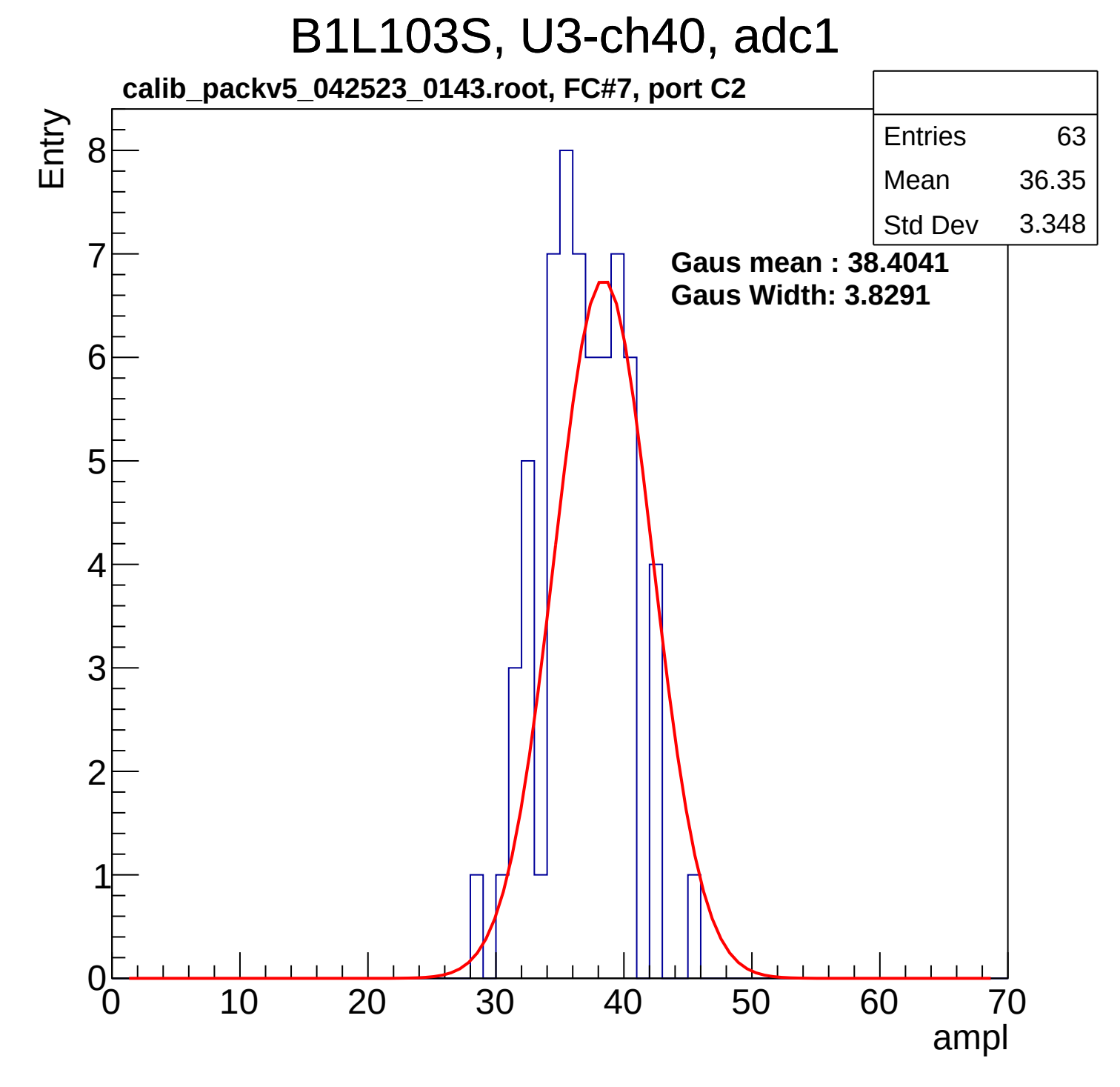
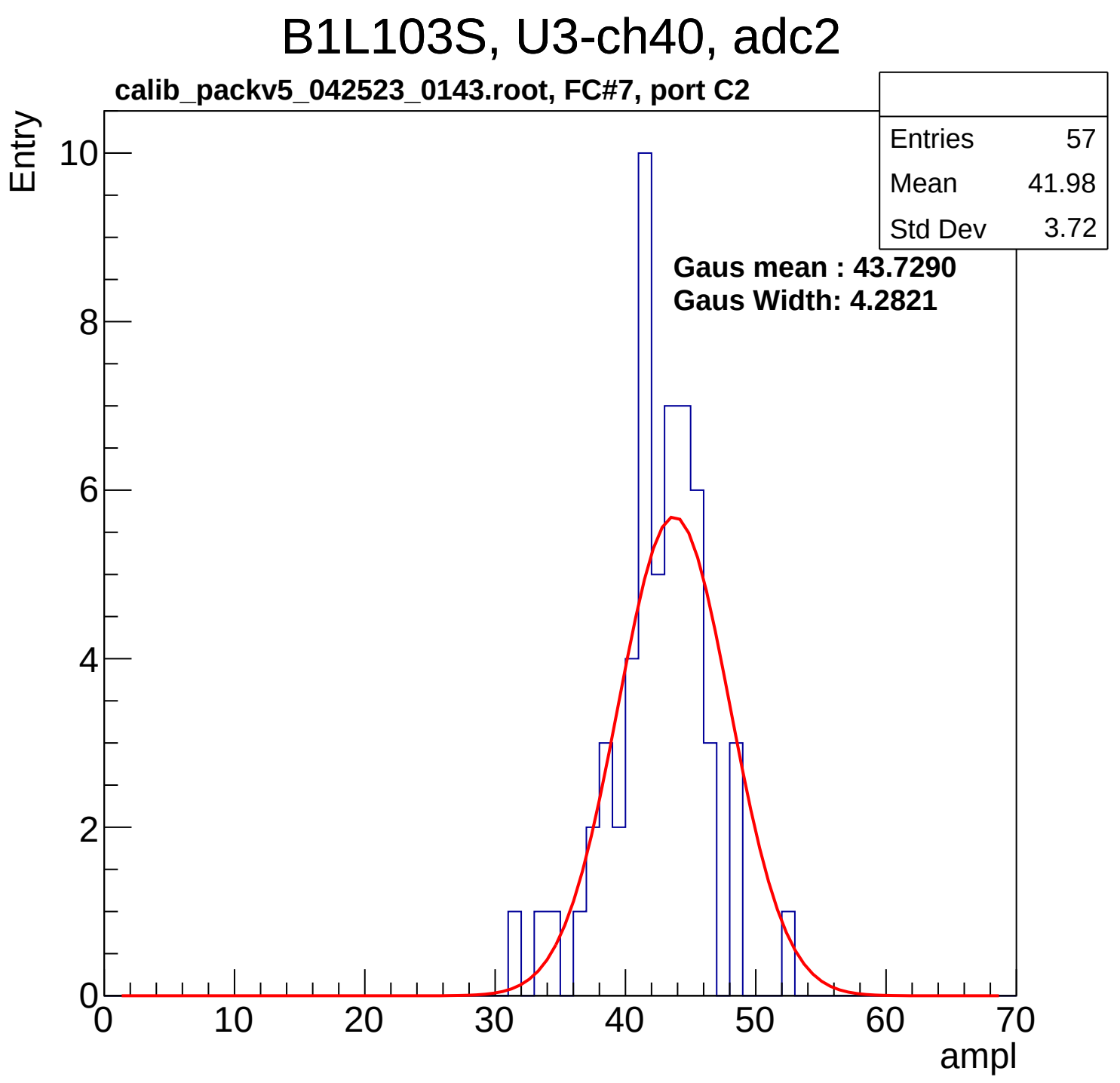
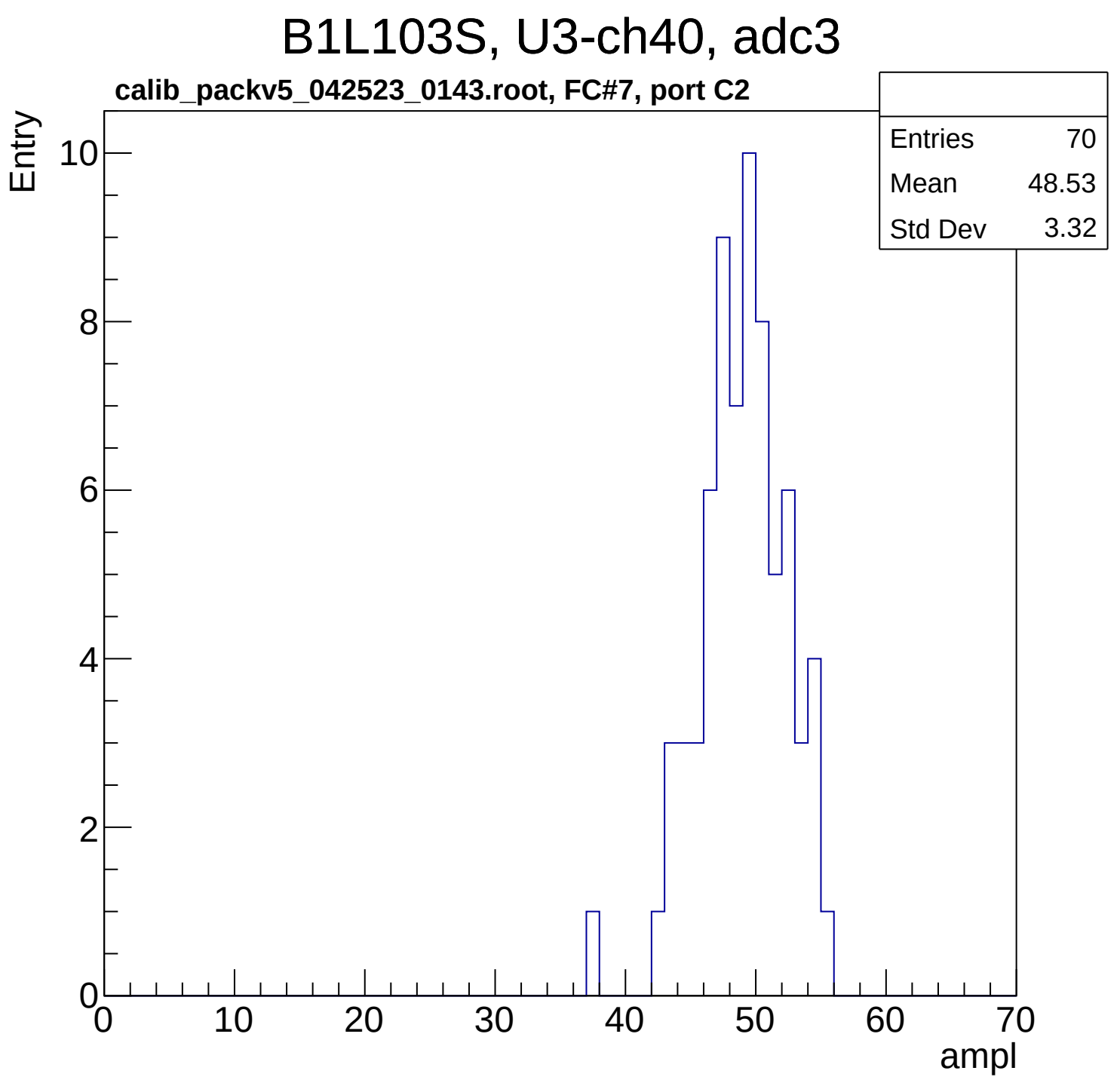
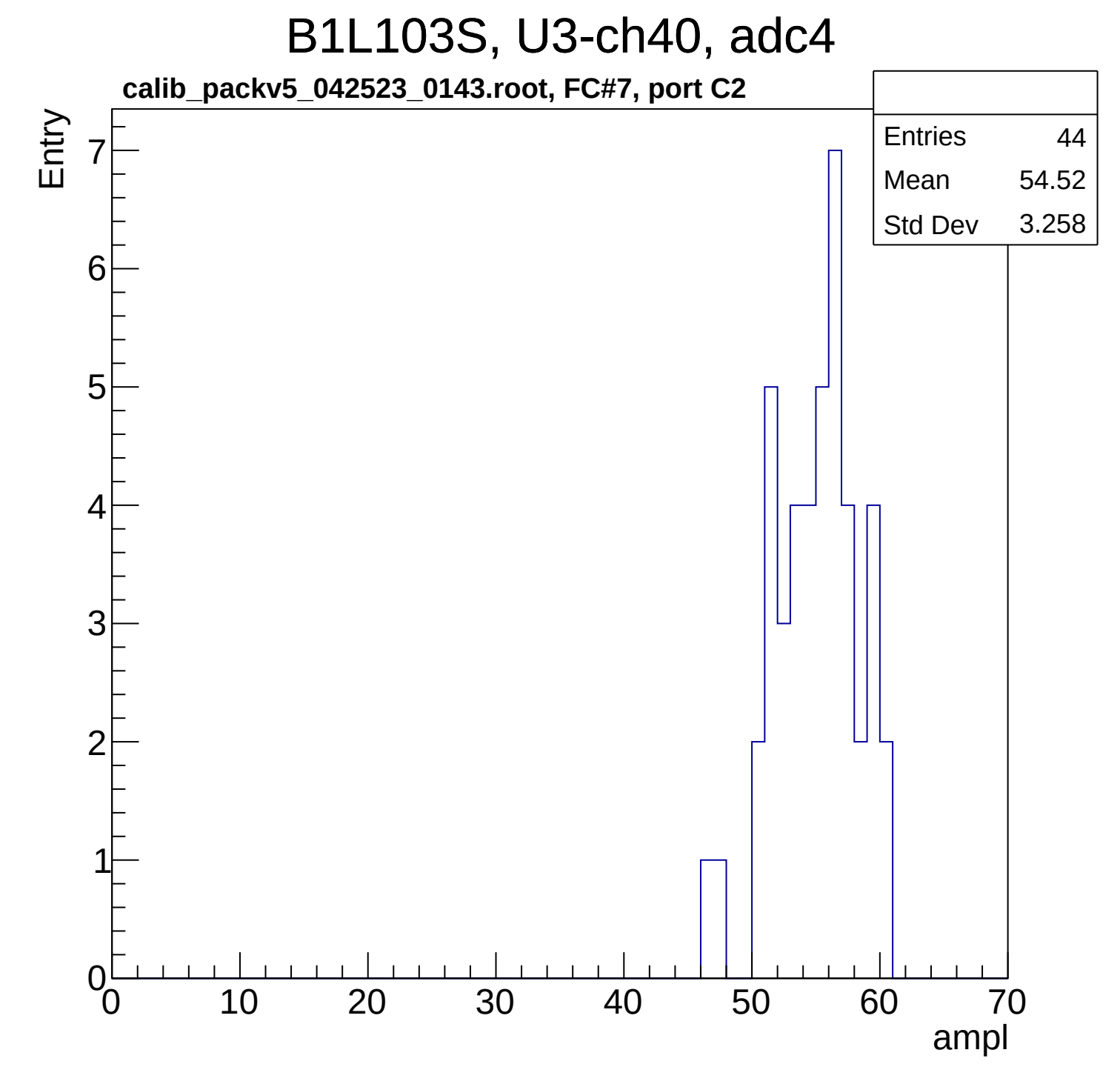

B1L103S, U3-ch39, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl

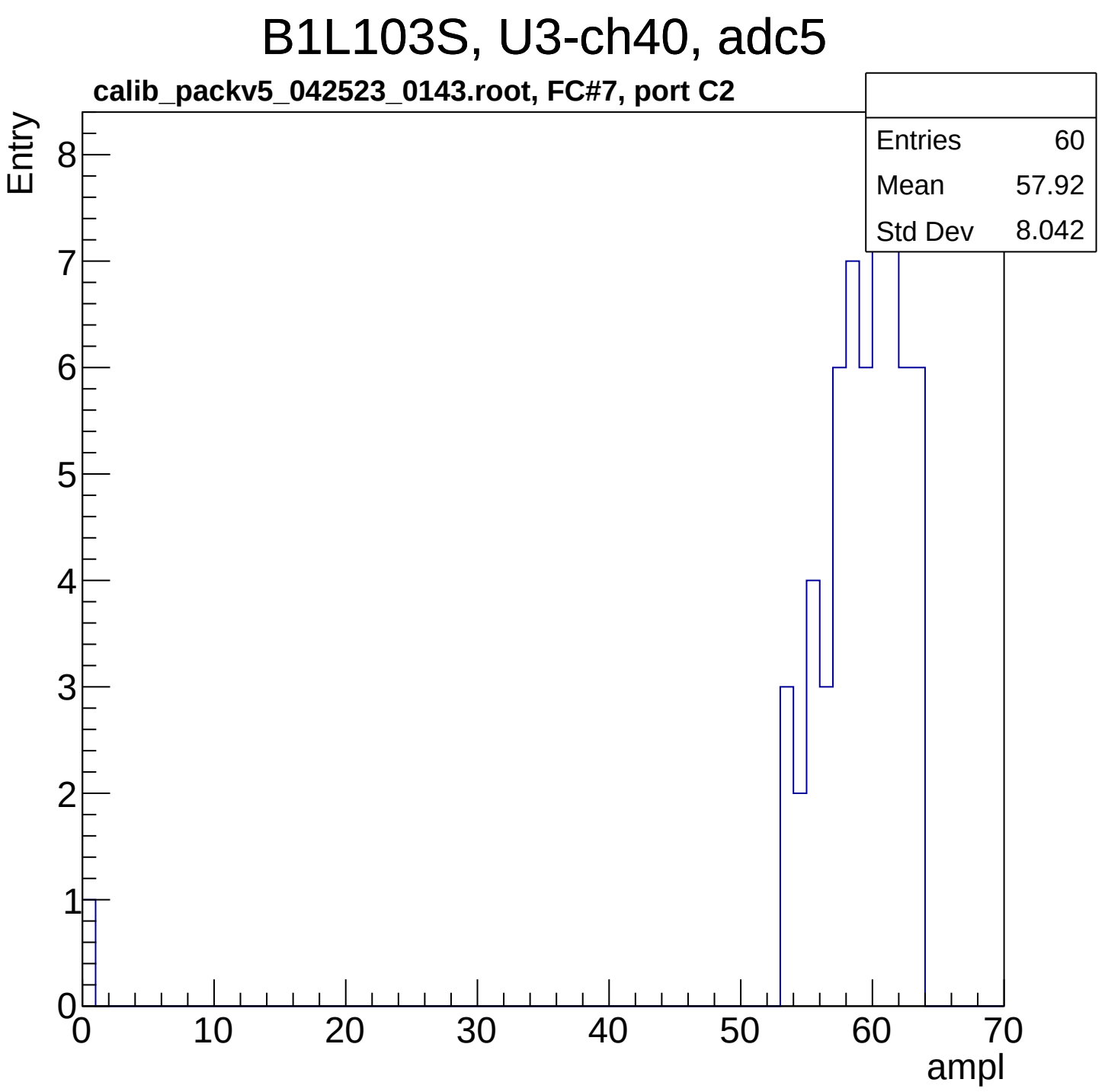

B1L103S, U3-ch40, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 28.8
Std Dev 7.229
Gaus mean : 30.6832
Gaus Width: 3.6656
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch40, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 36.35
Std Dev 3.348
Gaus mean : 38.4041
Gaus Width: 3.8291
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch40, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 41.98
Std Dev 3.72
Gaus mean : 43.7290
Gaus Width: 4.2821
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch40, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 48.53
Std Dev 3.32
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch40, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 54.52
Std Dev 3.258
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch40, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 57.92
Std Dev 8.042
Entry
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2
3
4
5
6
7
8
0
10
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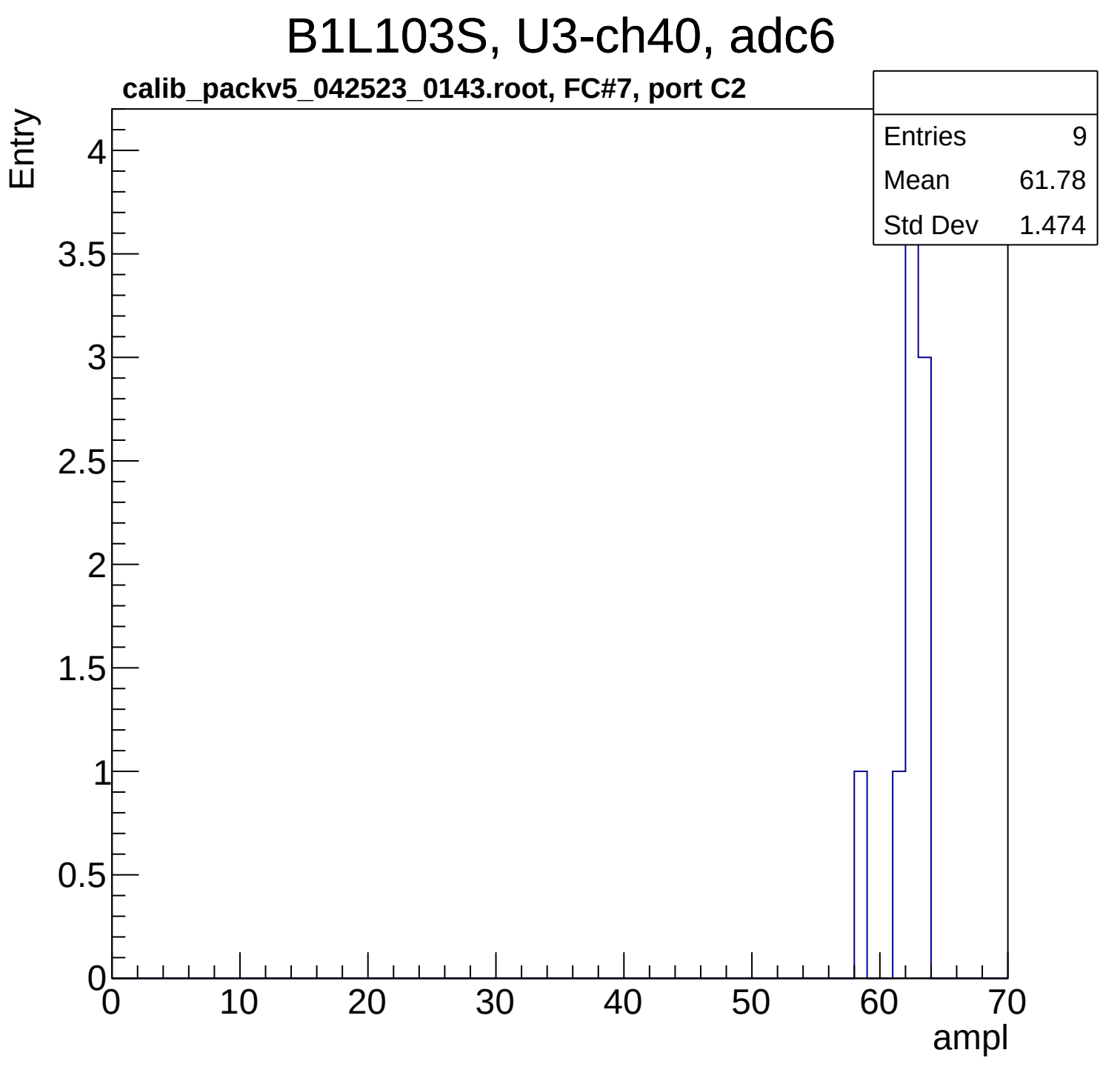
30
40
50
60
70
ampl


B1L103S, U3-ch40, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 61.78
Std Dev 1.474
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
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20
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40
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60
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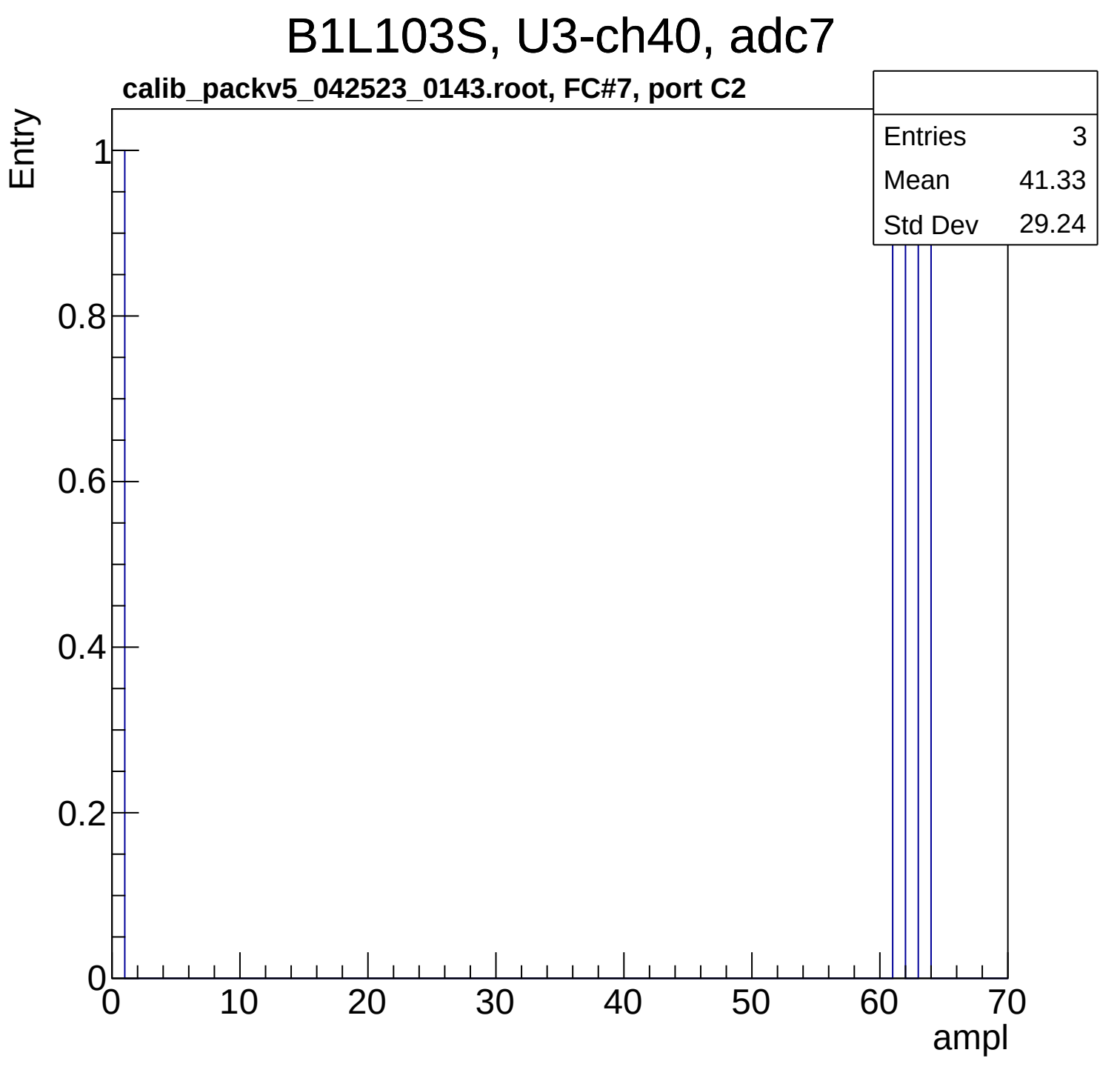
B1L103S, U3-ch40, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 41.33
Std Dev 29.24
Entry
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0.6
0.4
0.2
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10
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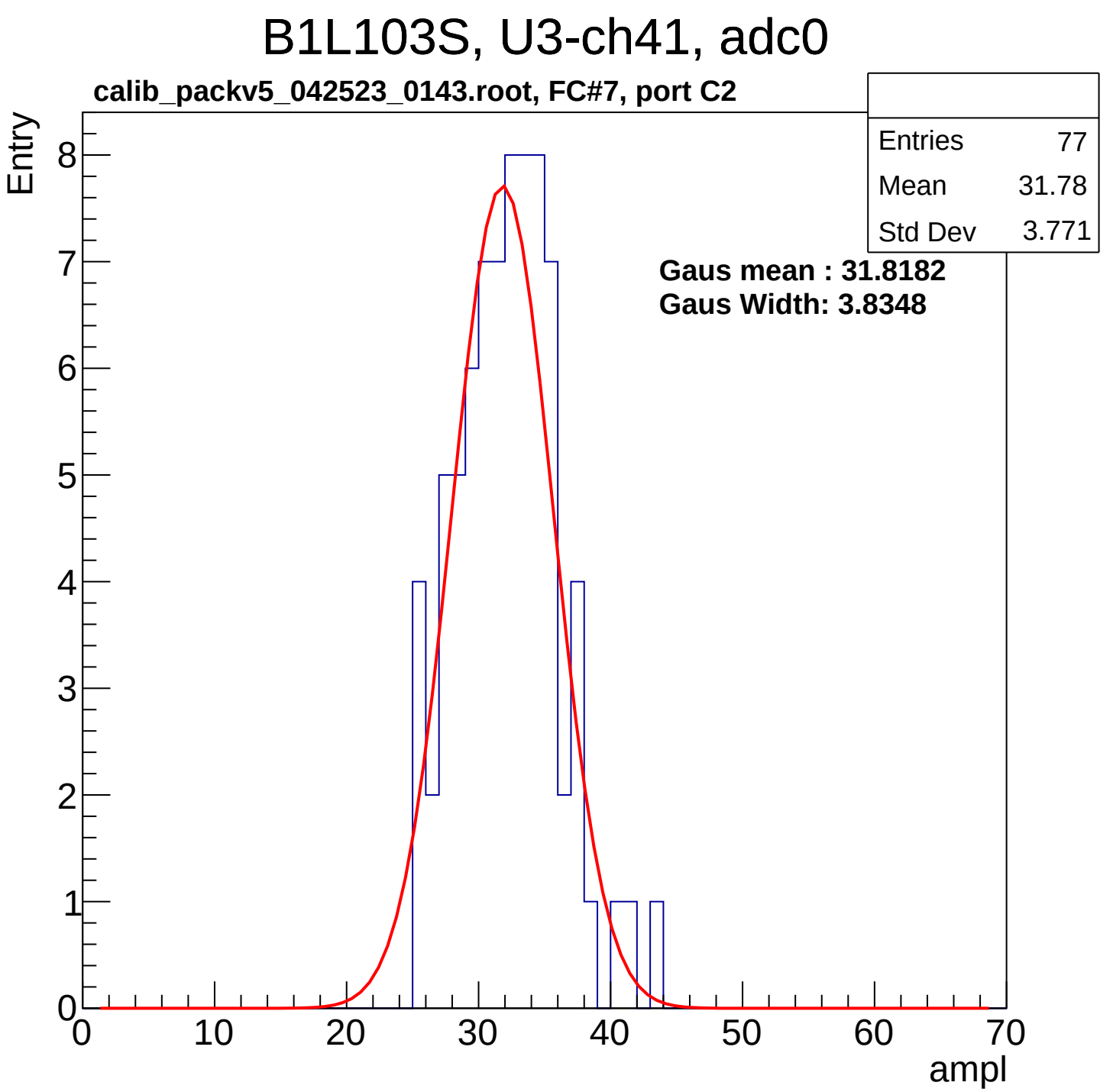
50
60
70
ampl


B1L103S, U3-ch41, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 31.78
Std Dev 3.771
Gaus mean : 31.8182
Gaus Width: 3.8348
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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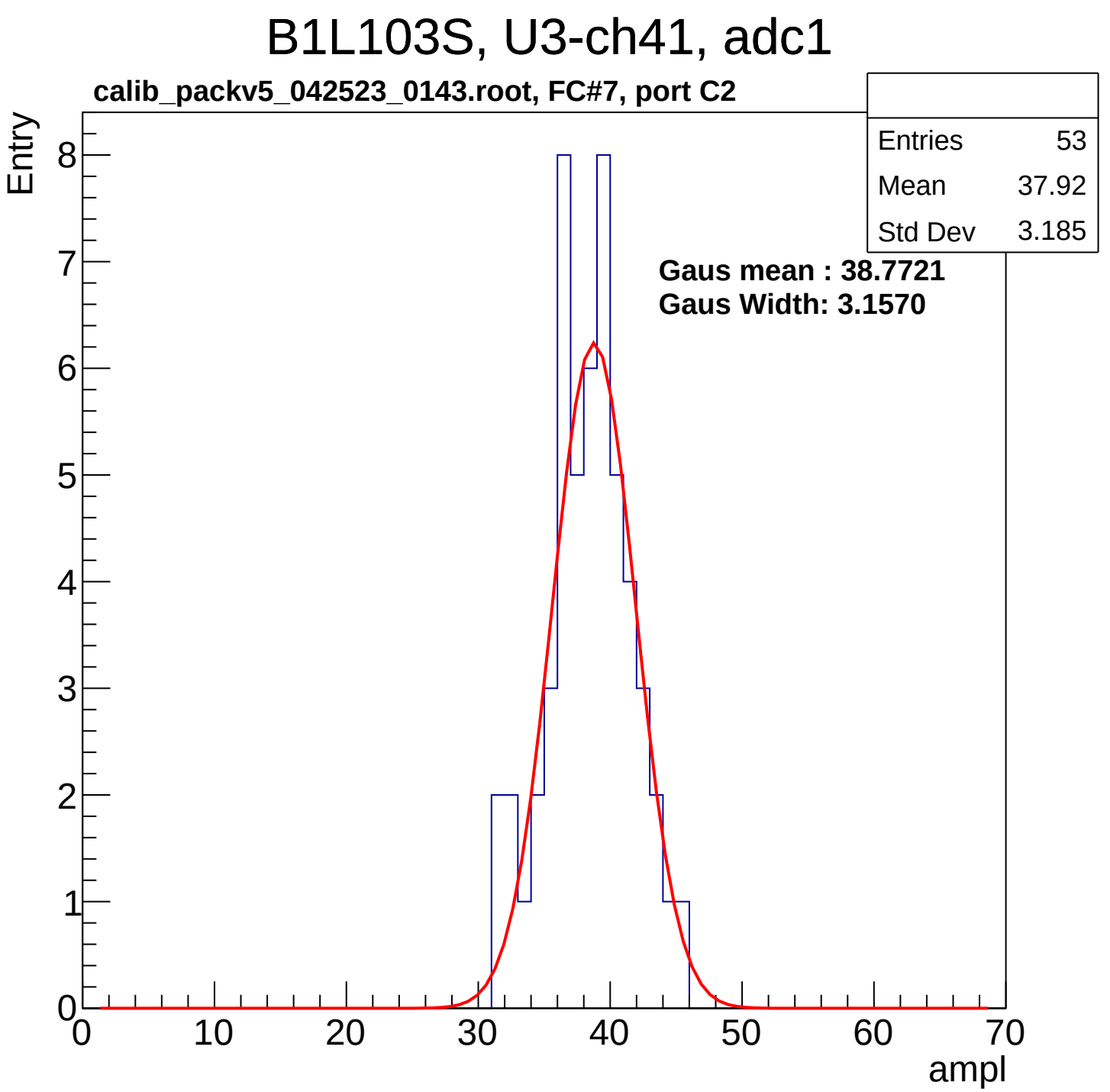
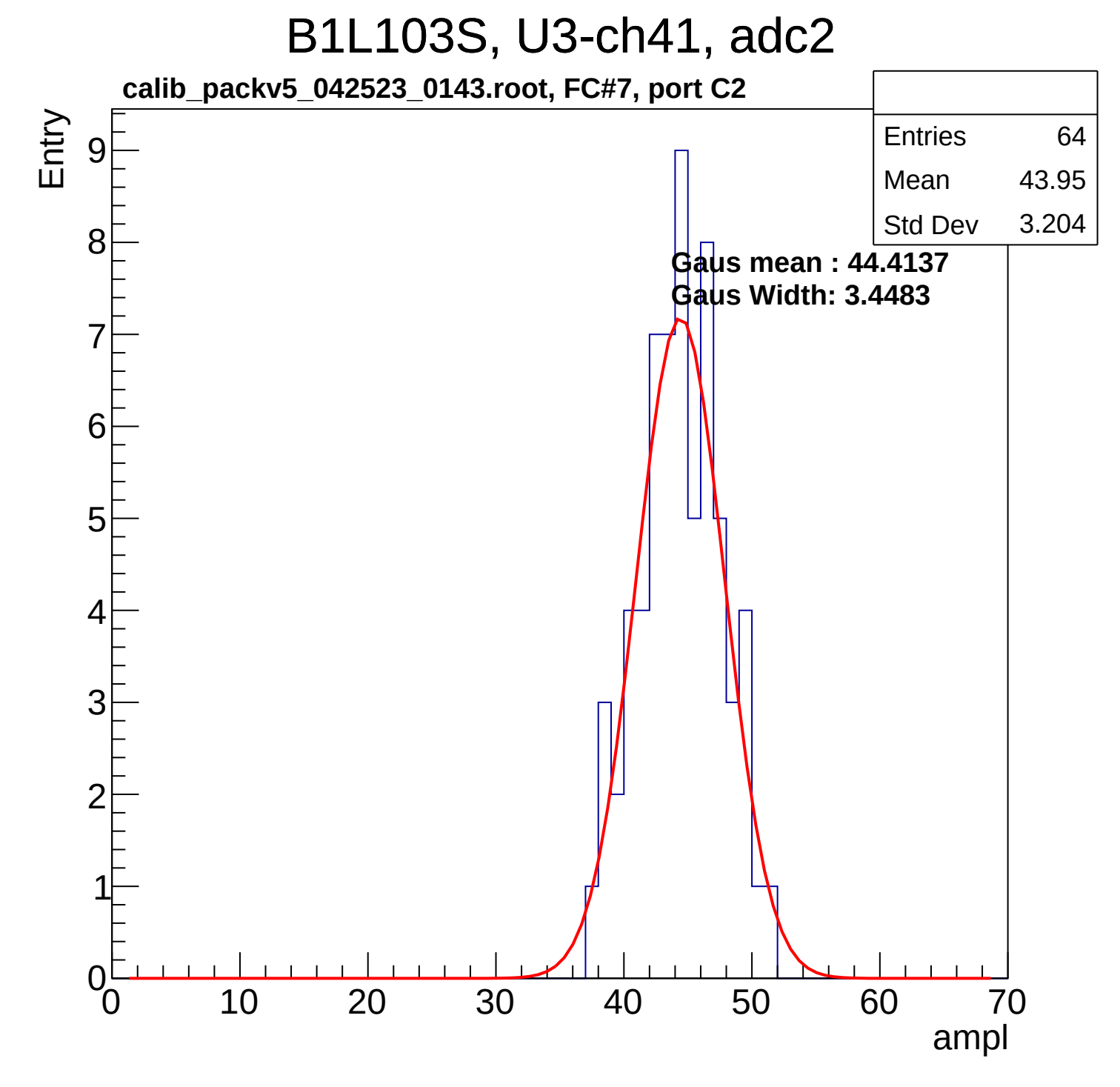
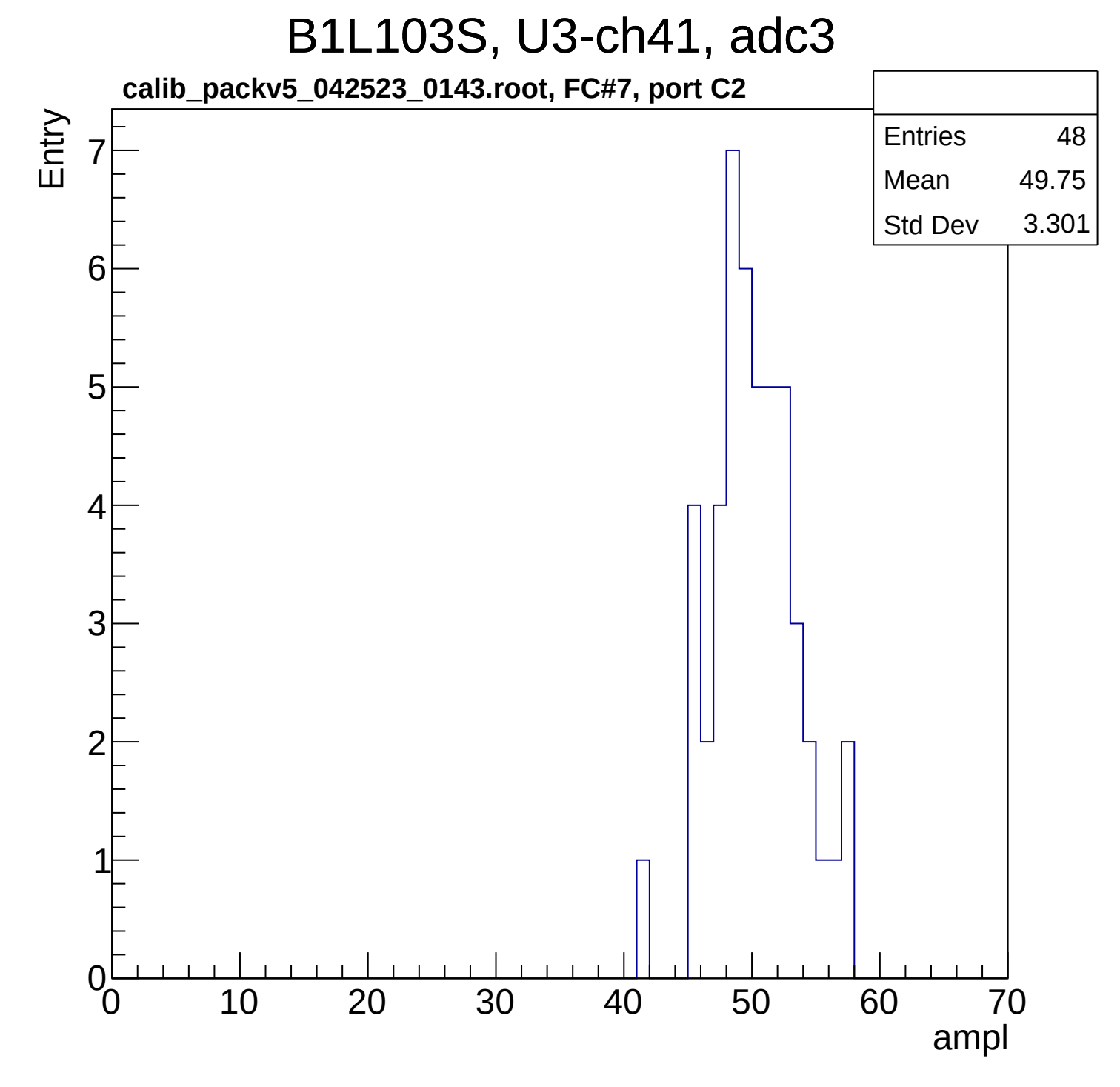
40
50
60
70


B1L103S, U3-ch41, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 37.92
Std Dev 3.185
Gaus mean : 38.7721
Gaus Width: 3.1570
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch41, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 43.95
Std Dev 3.204
Gaus mean : 44.4137
Gaus Width: 3.4483
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch41, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 49.75
Std Dev 3.301
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
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40
50
60
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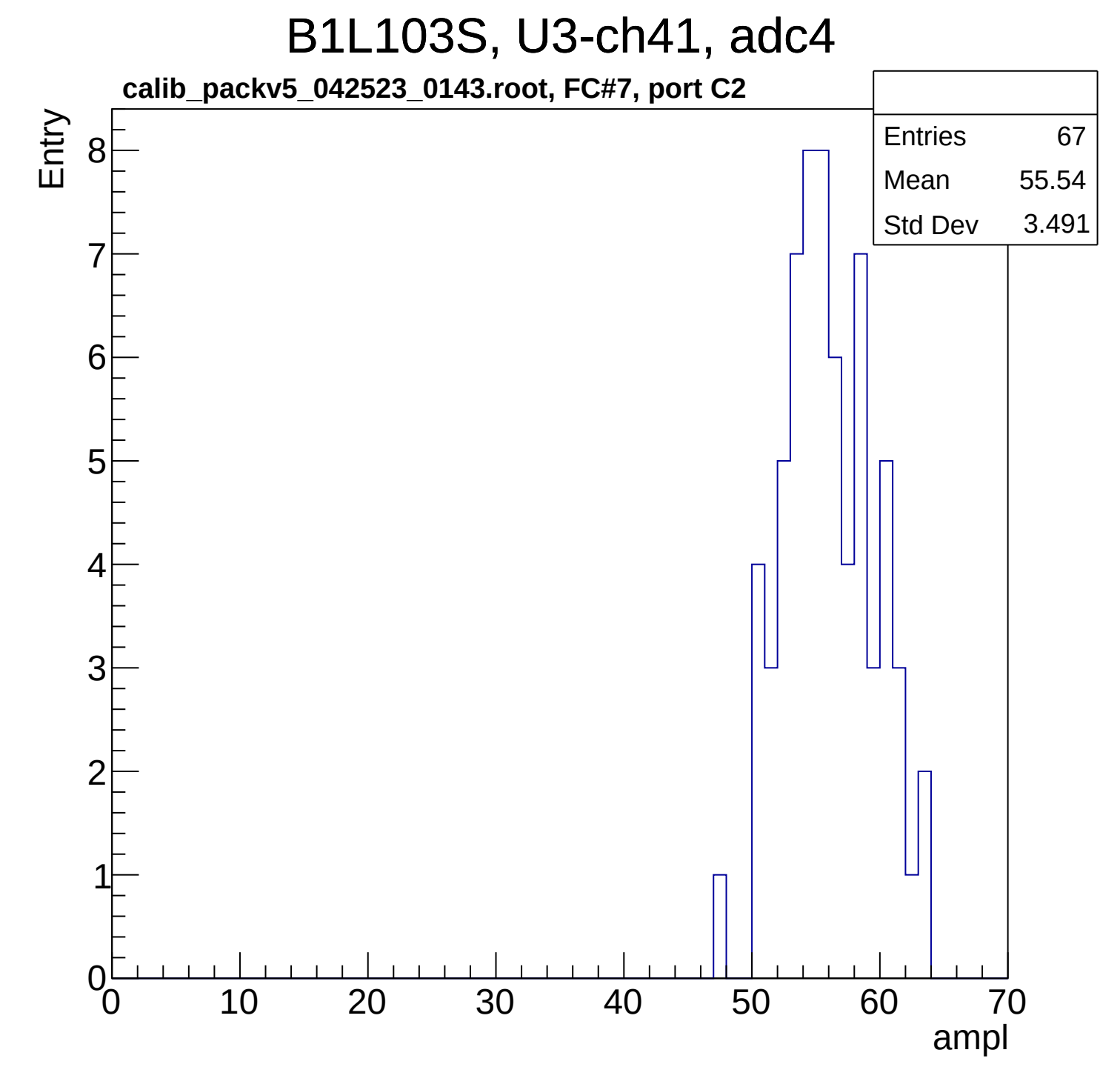
B1L103S, U3-ch41, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 55.54
Std Dev 3.491
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
50
60
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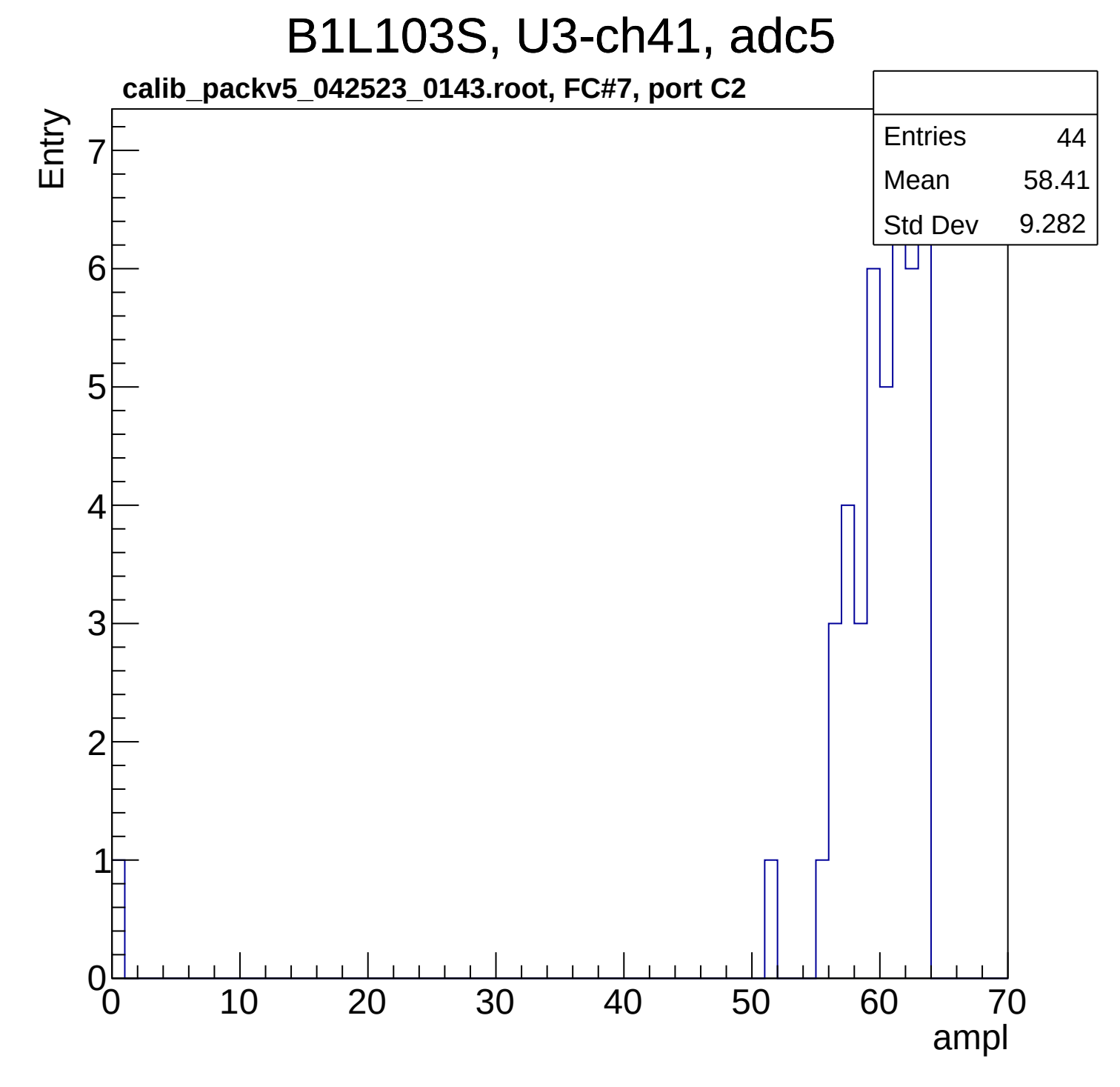
B1L103S, U3-ch41, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.41
Std Dev 9.282
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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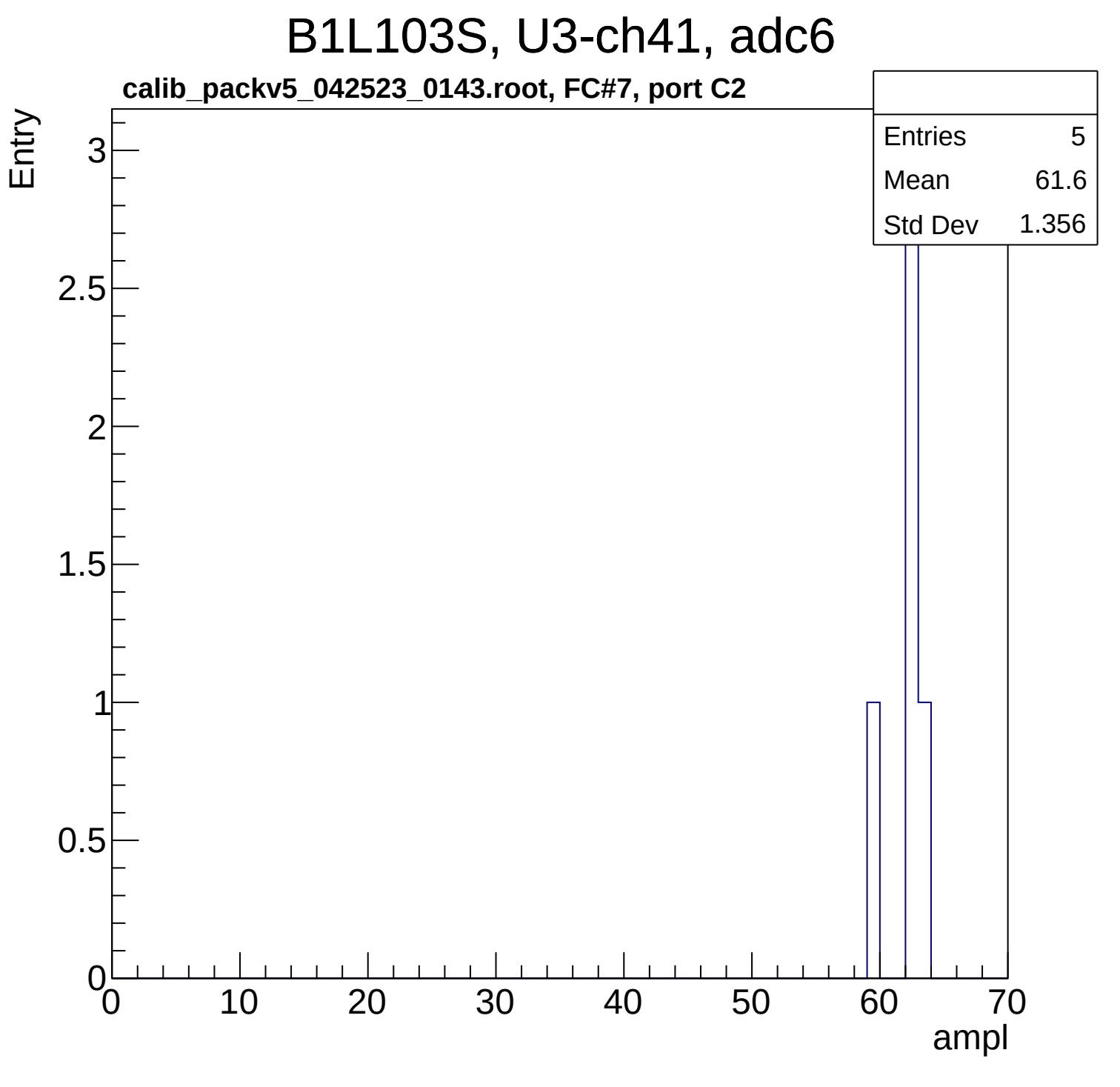
B1L103S, U3-ch41, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 61.6
Std Dev 1.356
Entry
ampl
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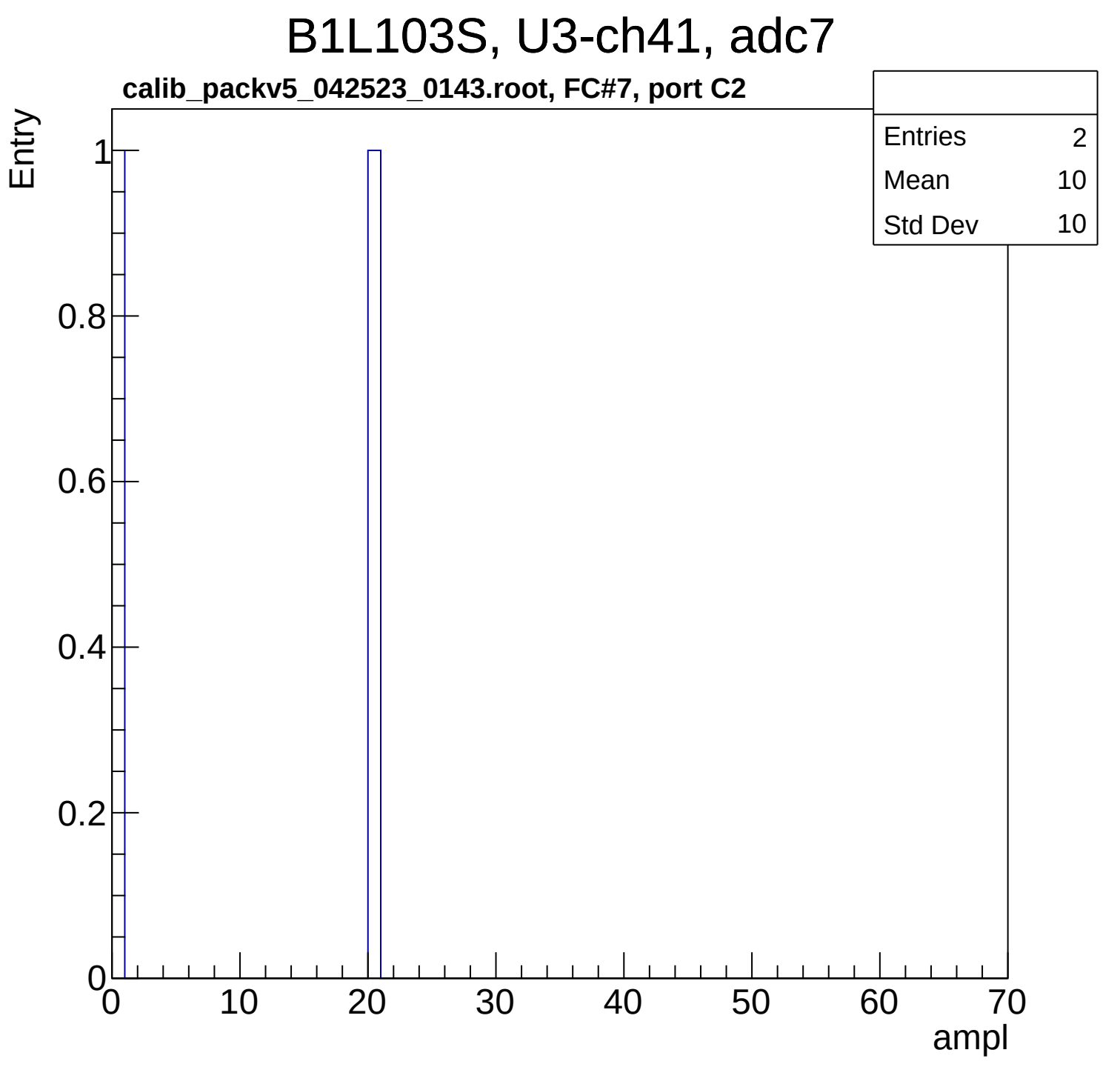
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch41, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 10
Std Dev 10
Entry
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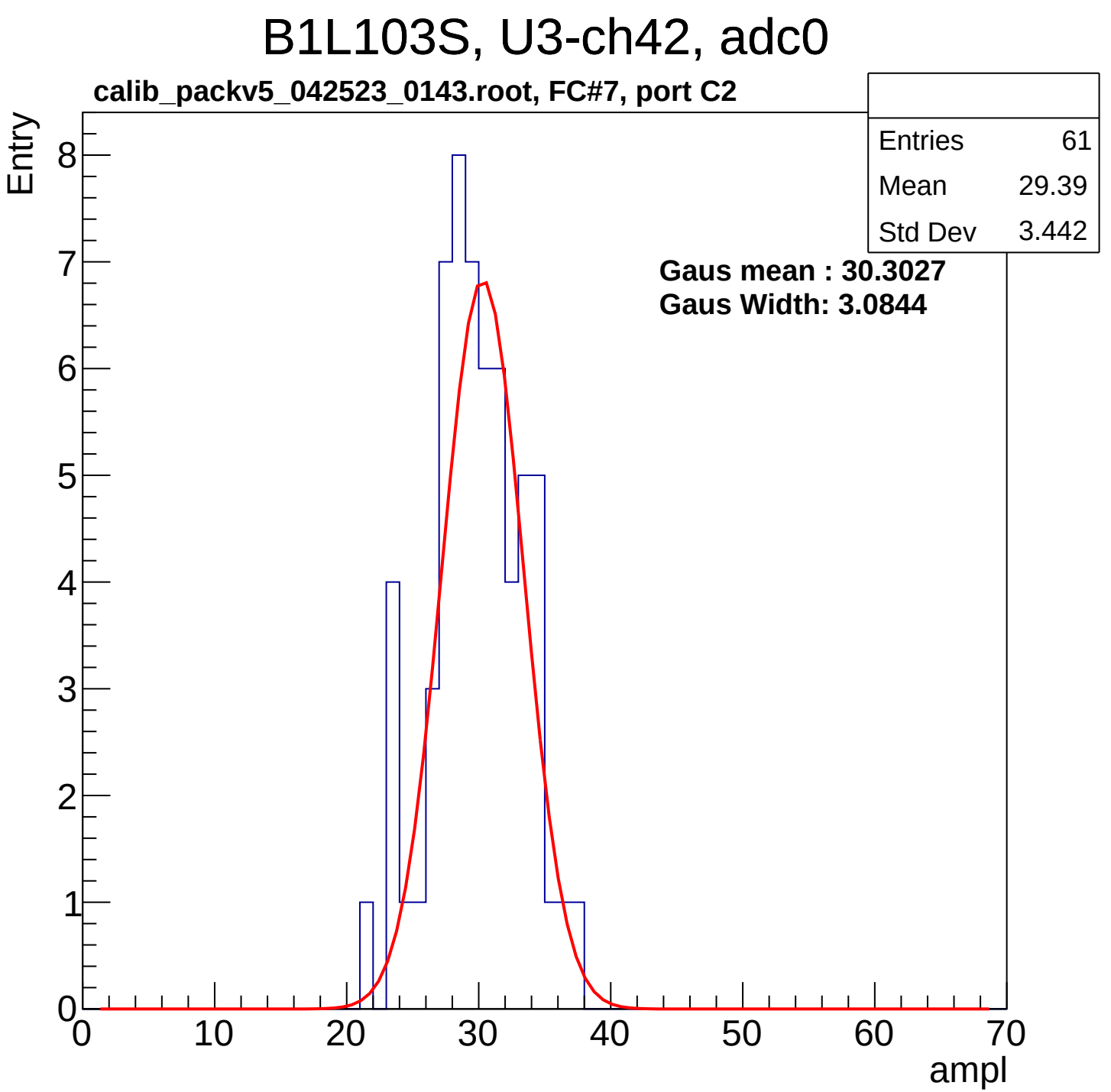
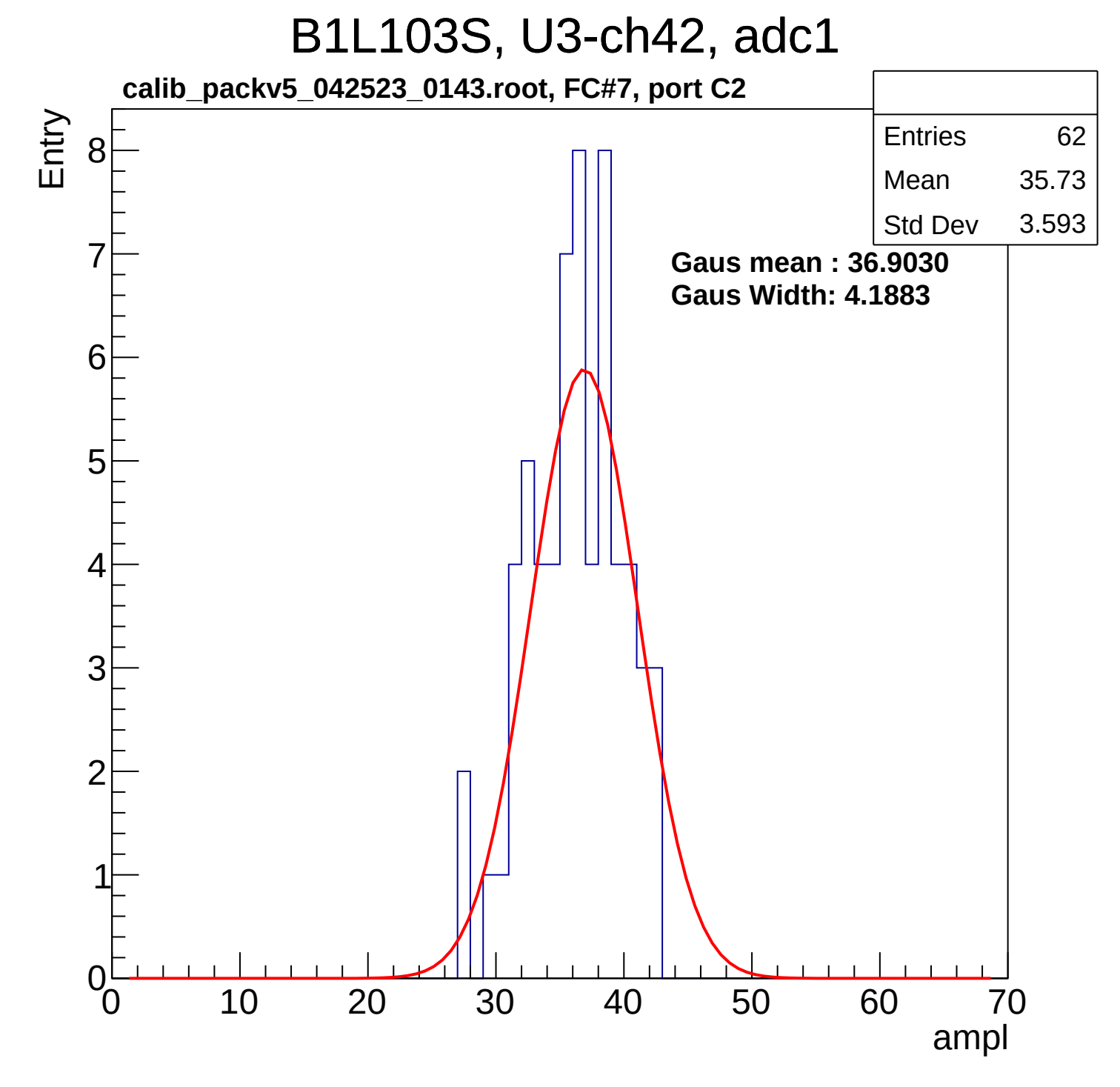
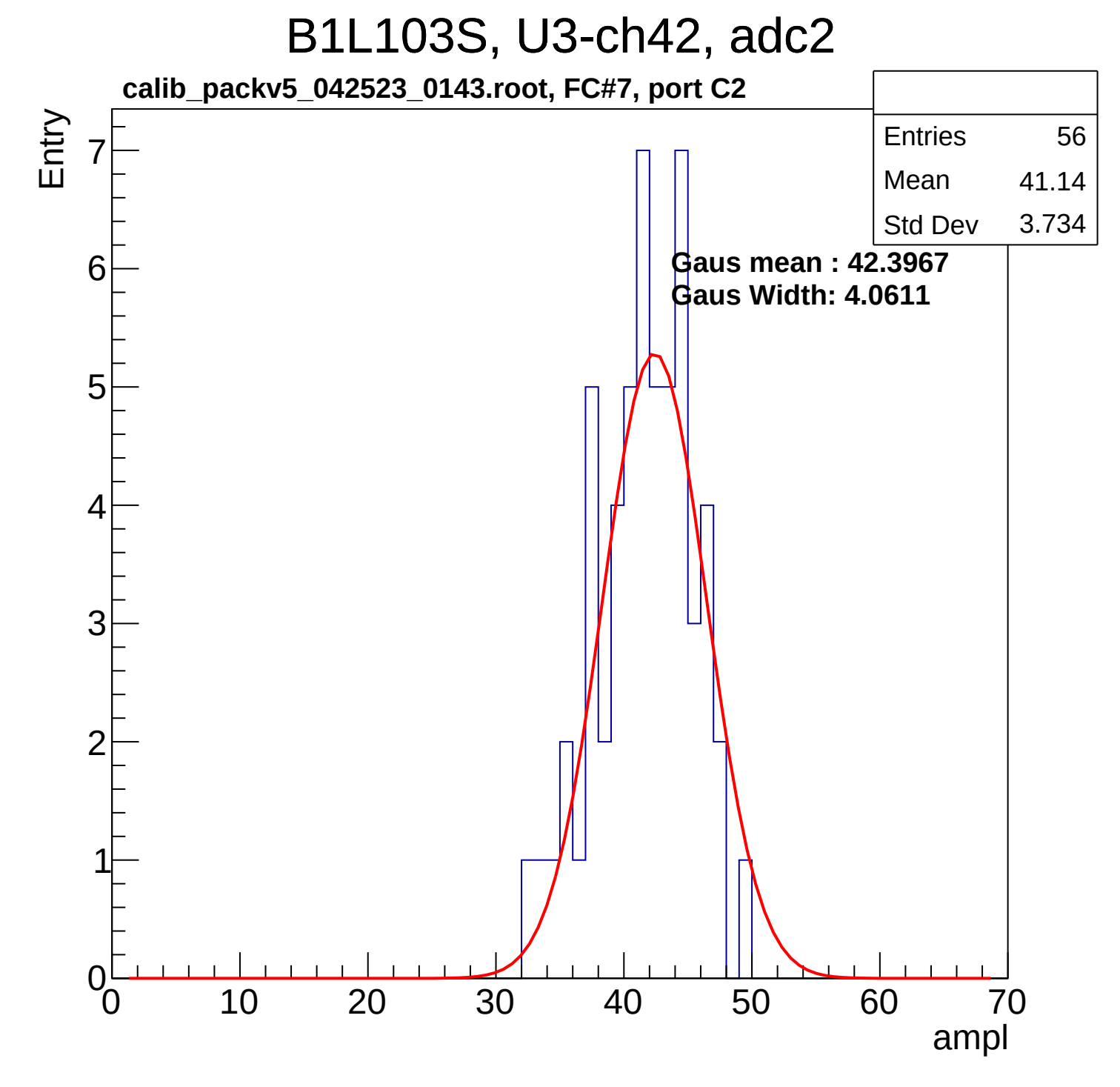
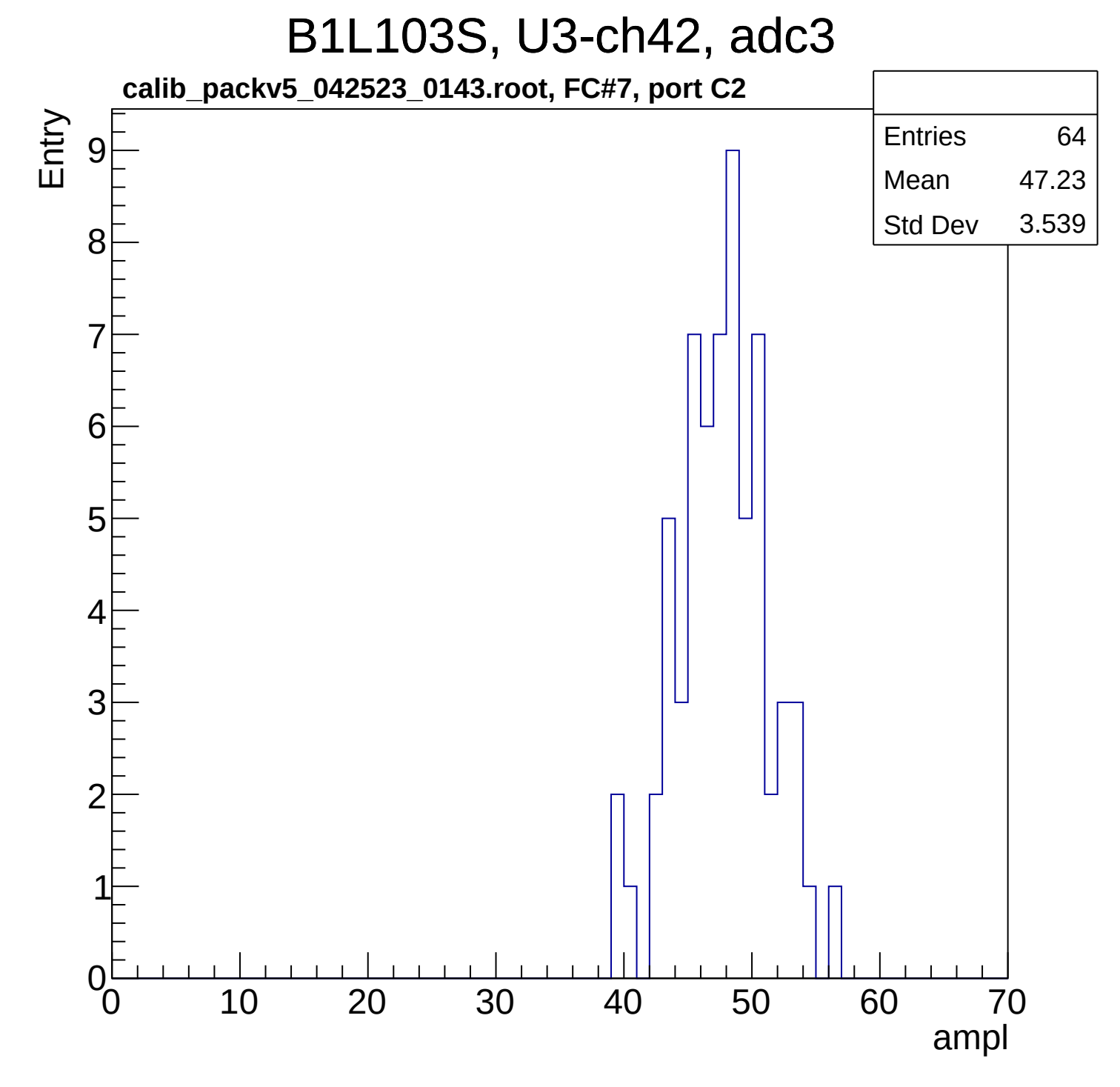
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch42, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 29.39
Std Dev 3.442
Gaus mean : 30.3027
Gaus Width: 3.0844
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch42, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 35.73
Std Dev 3.593
Gaus mean : 36.9030
Gaus Width: 4.1883
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch42, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 41.14
Std Dev 3.734
Gaus mean : 42.3967
Gaus Width: 4.0611
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch42, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 47.23
Std Dev 3.539
Entry
ampl
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3
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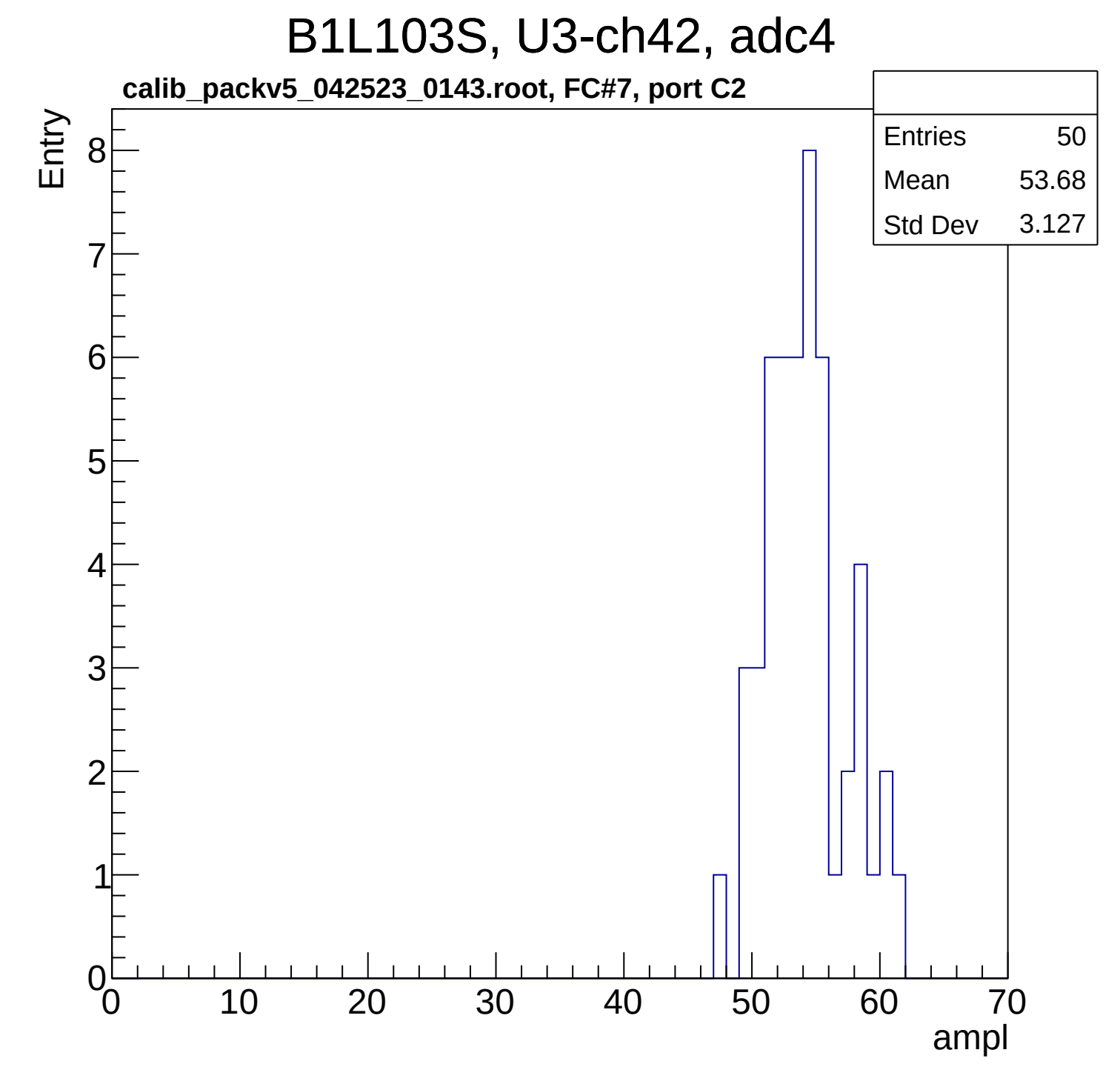
B1L103S, U3-ch42, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 53.68
Std Dev 3.127
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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60
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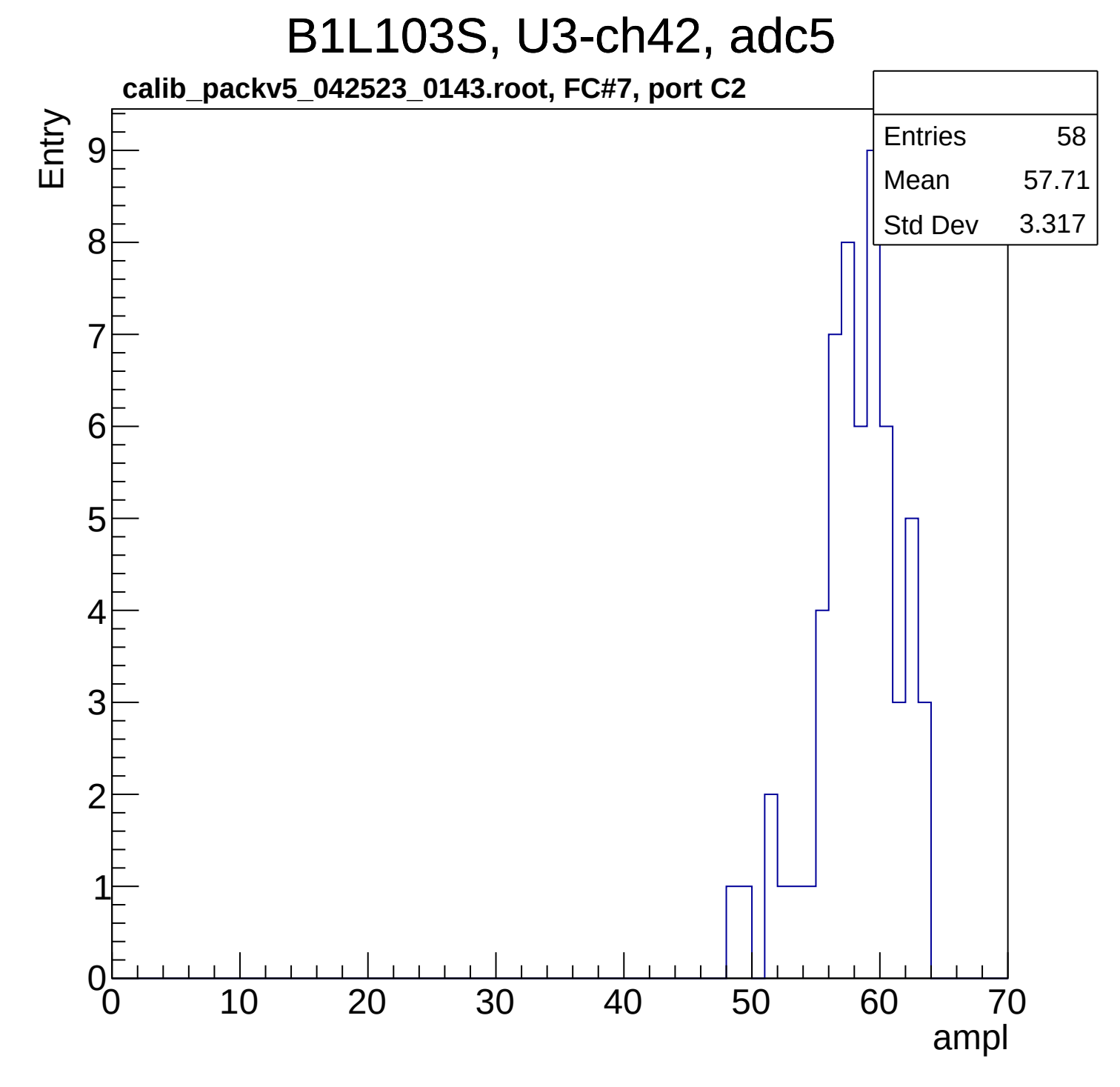
B1L103S, U3-ch42, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 57.71
Std Dev 3.317
Entry
ampl
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3
4
5
6
7
8
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0
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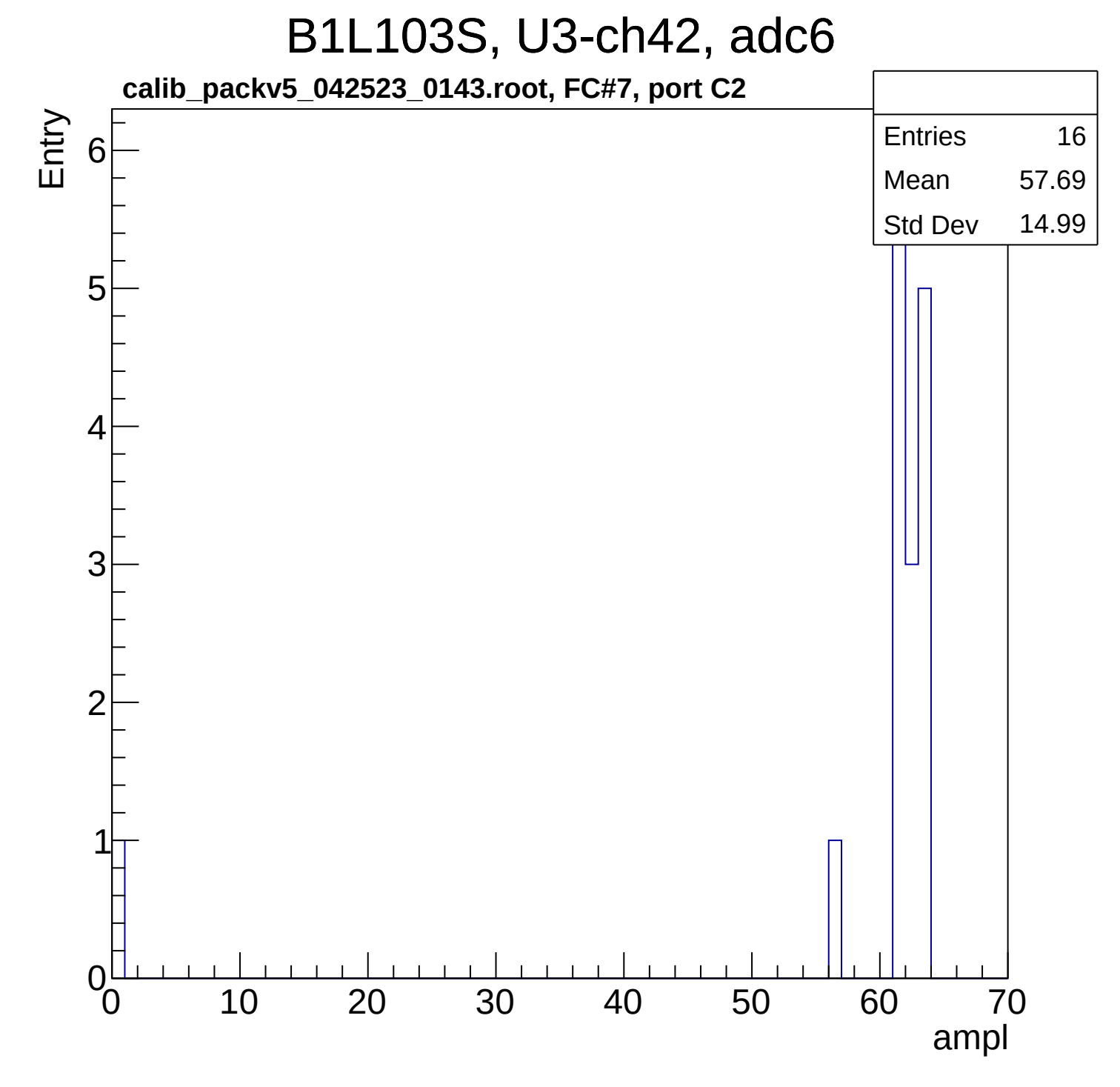
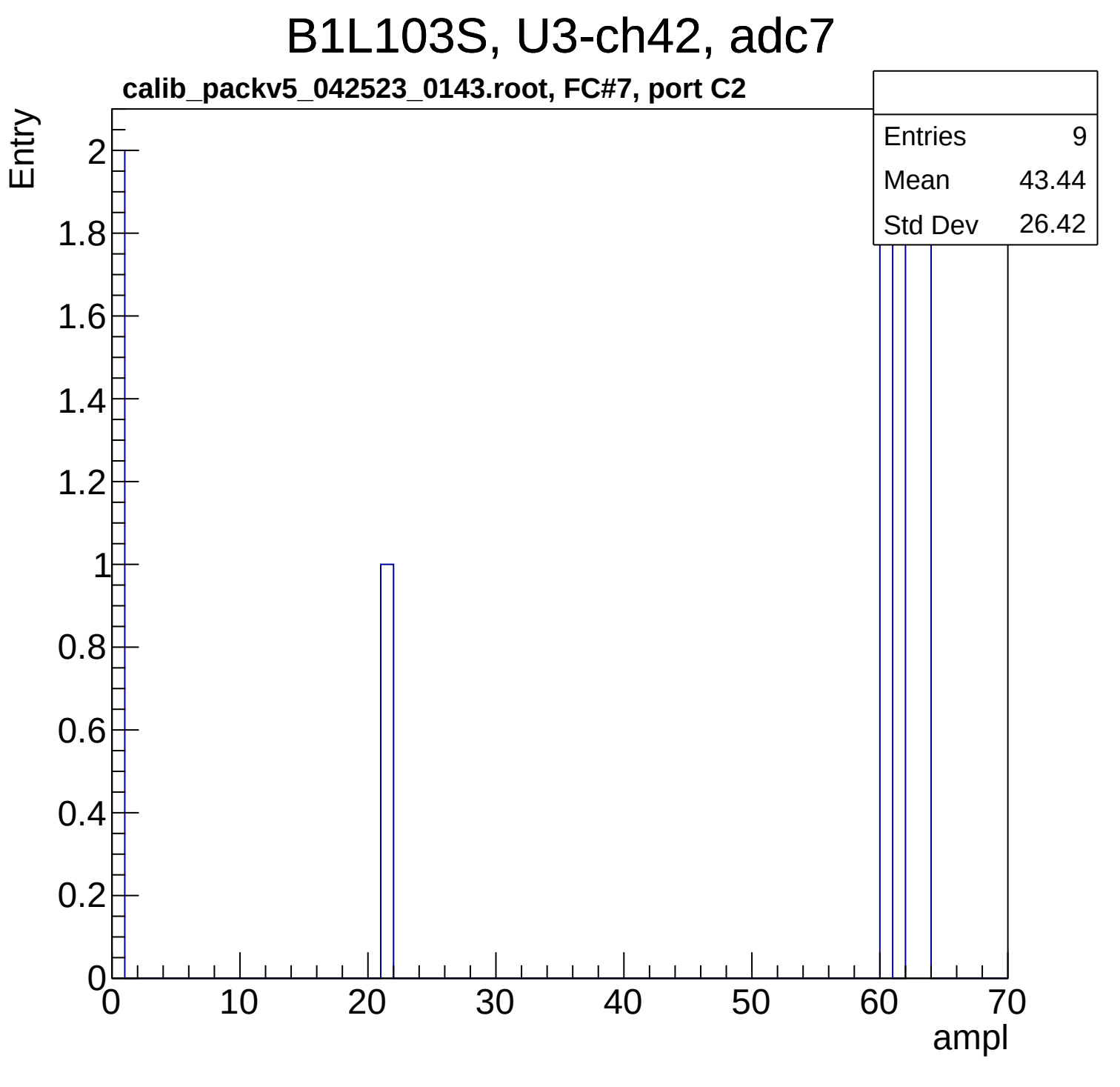

B1L103S, U3-ch42, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 57.69
Std Dev 14.99
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch42, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 43.44
Std Dev 26.42
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
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40
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60
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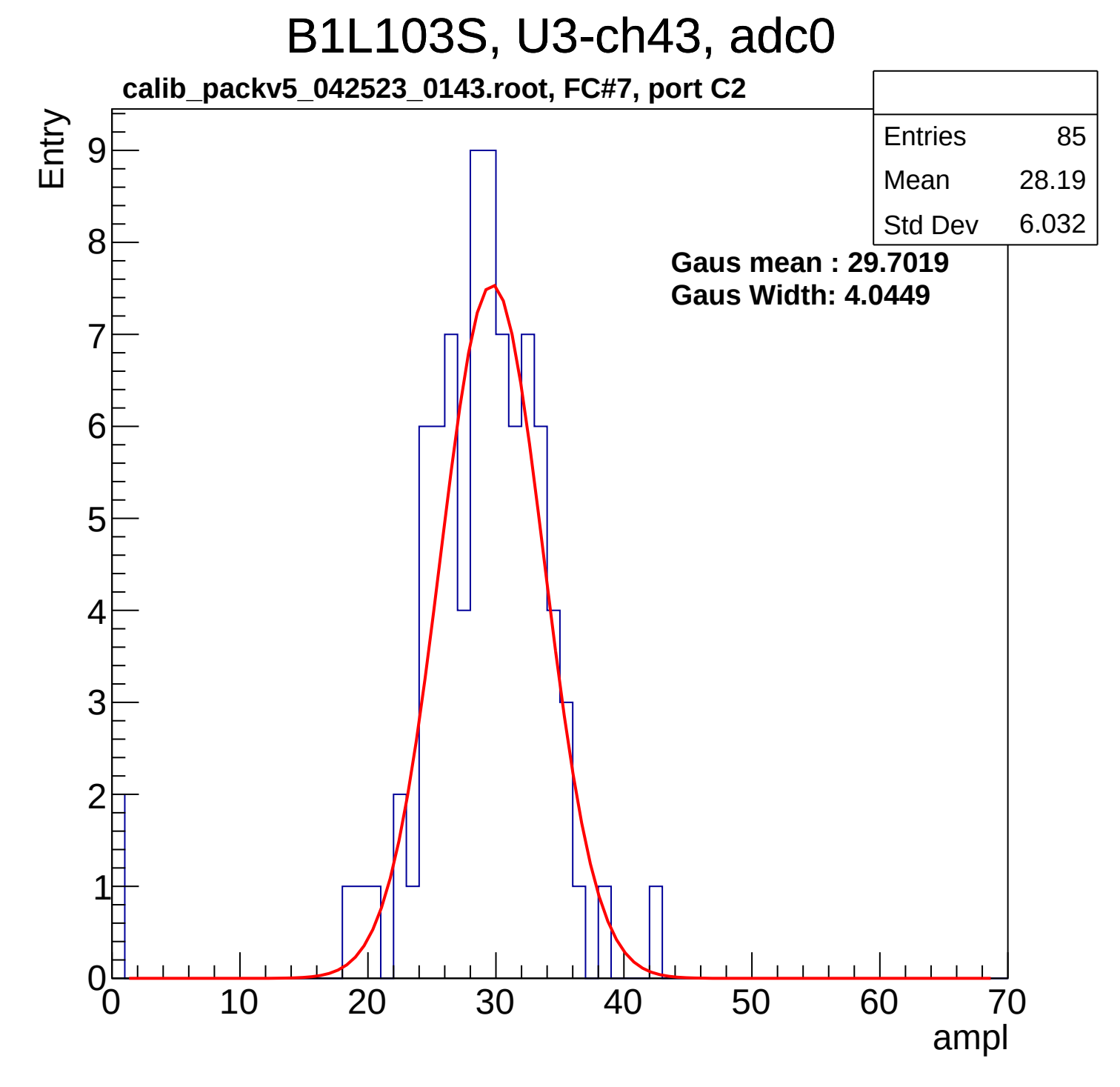
B1L103S, U3-ch43, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 85
Mean 28.19
Std Dev 6.032
Gaus mean : 29.7019
Gaus Width: 4.0449
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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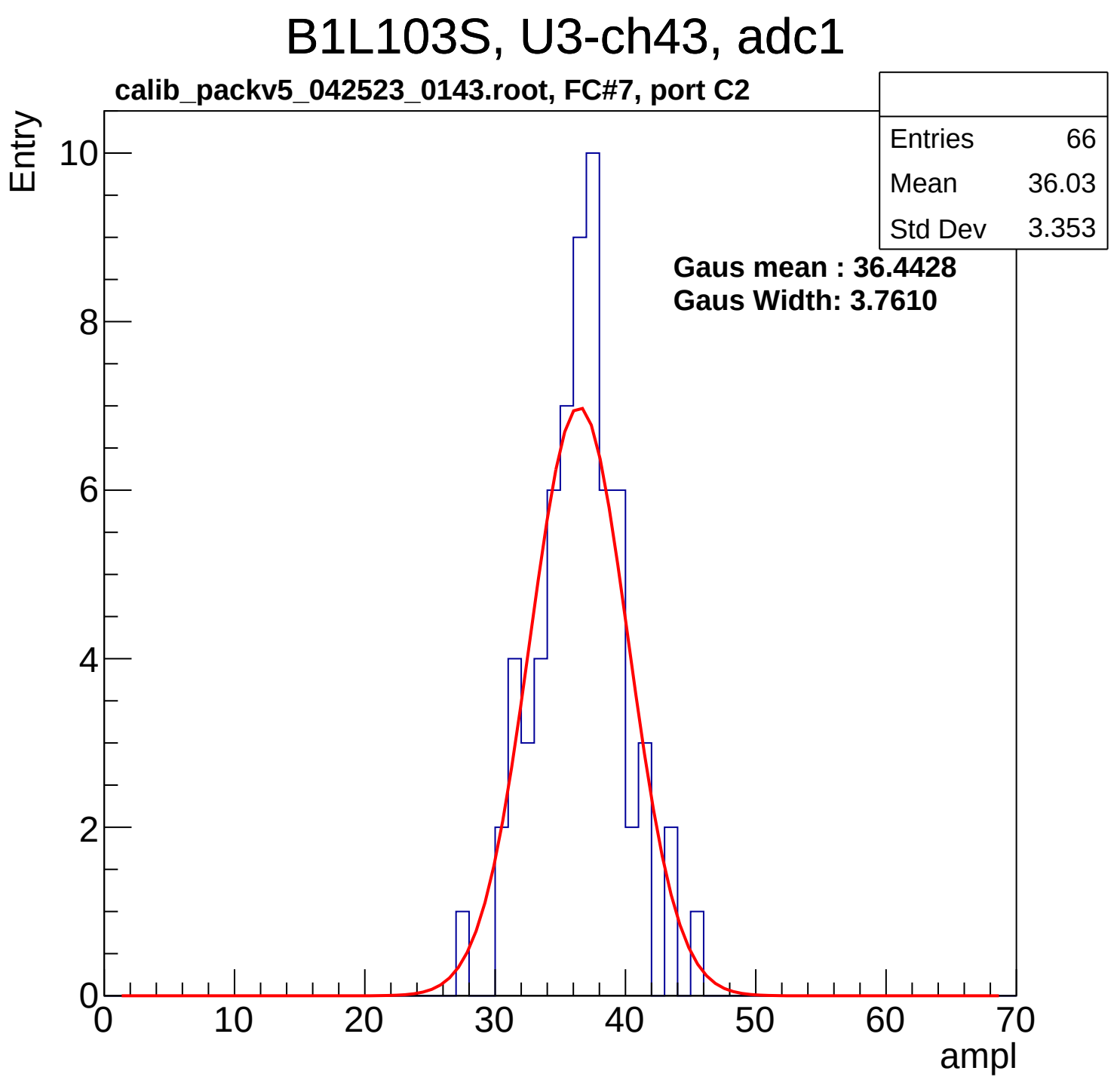
B1L103S, U3-ch43, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 36.03
Std Dev 3.353
Gaus mean : 36.4428
Gaus Width: 3.7610
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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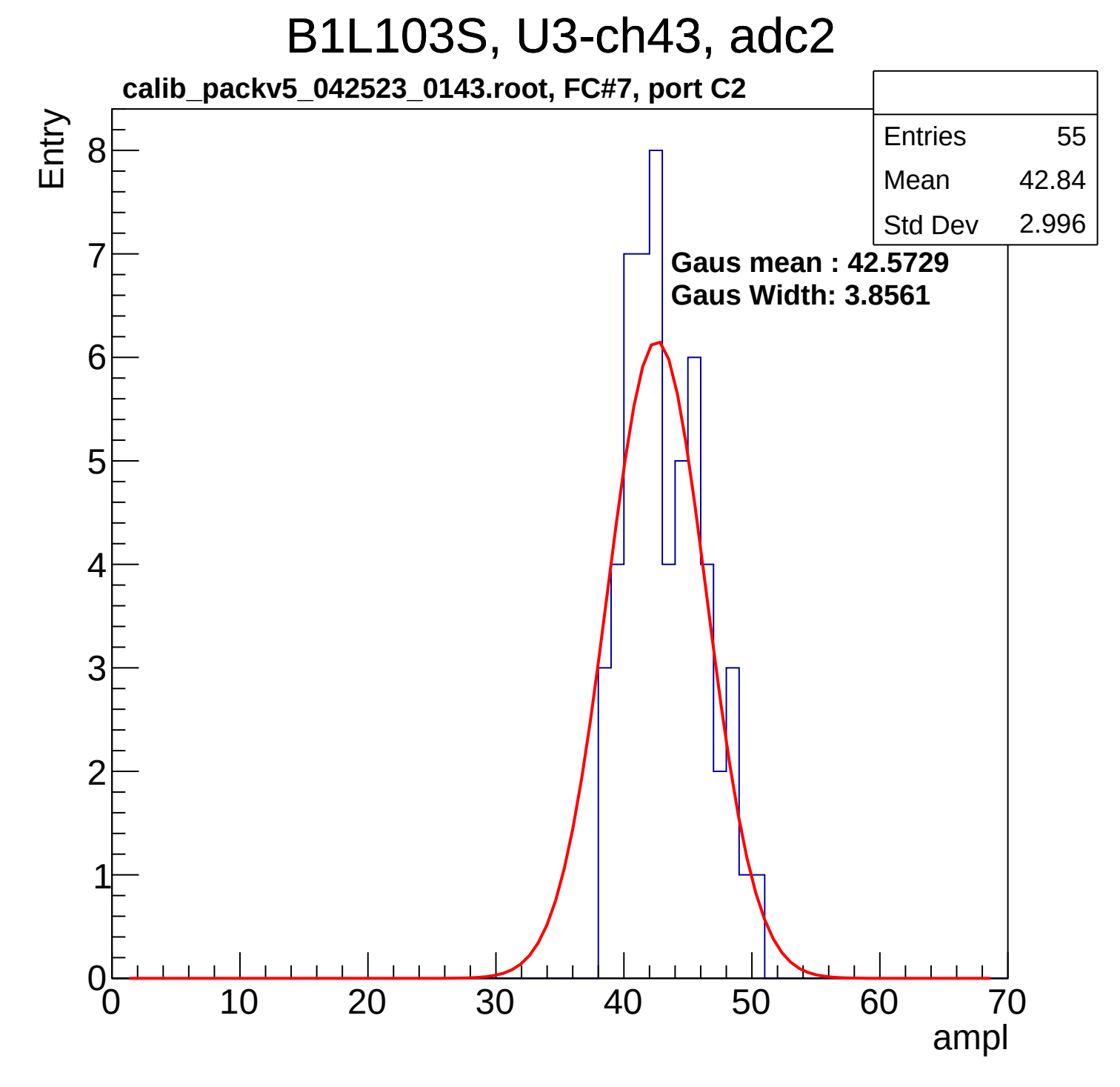
B1L103S, U3-ch43, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 42.84
Std Dev 2.996
Gaus mean : 42.5729
Gaus Width: 3.8561
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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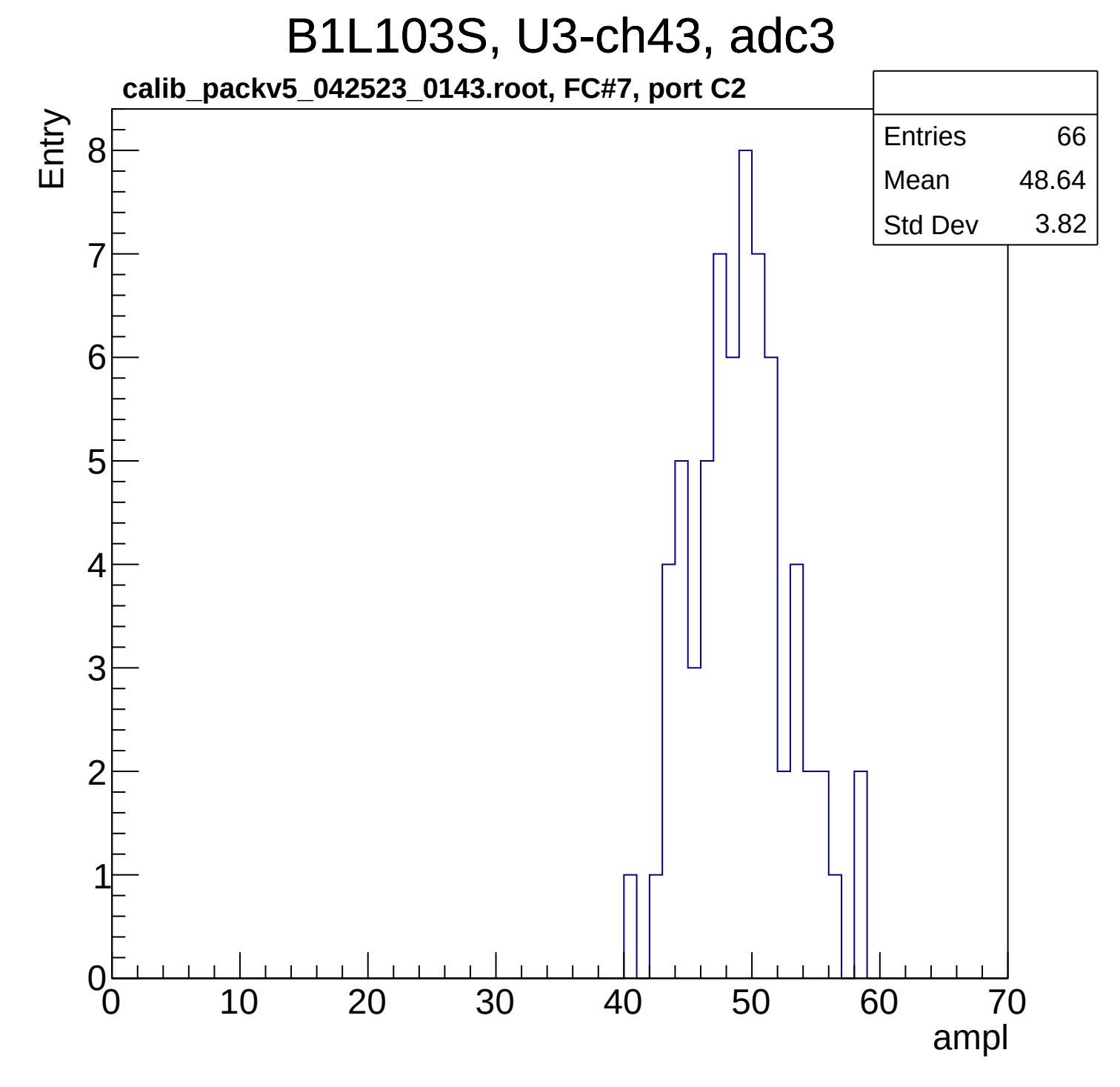
B1L103S, U3-ch43, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 48.64
Std Dev 3.82
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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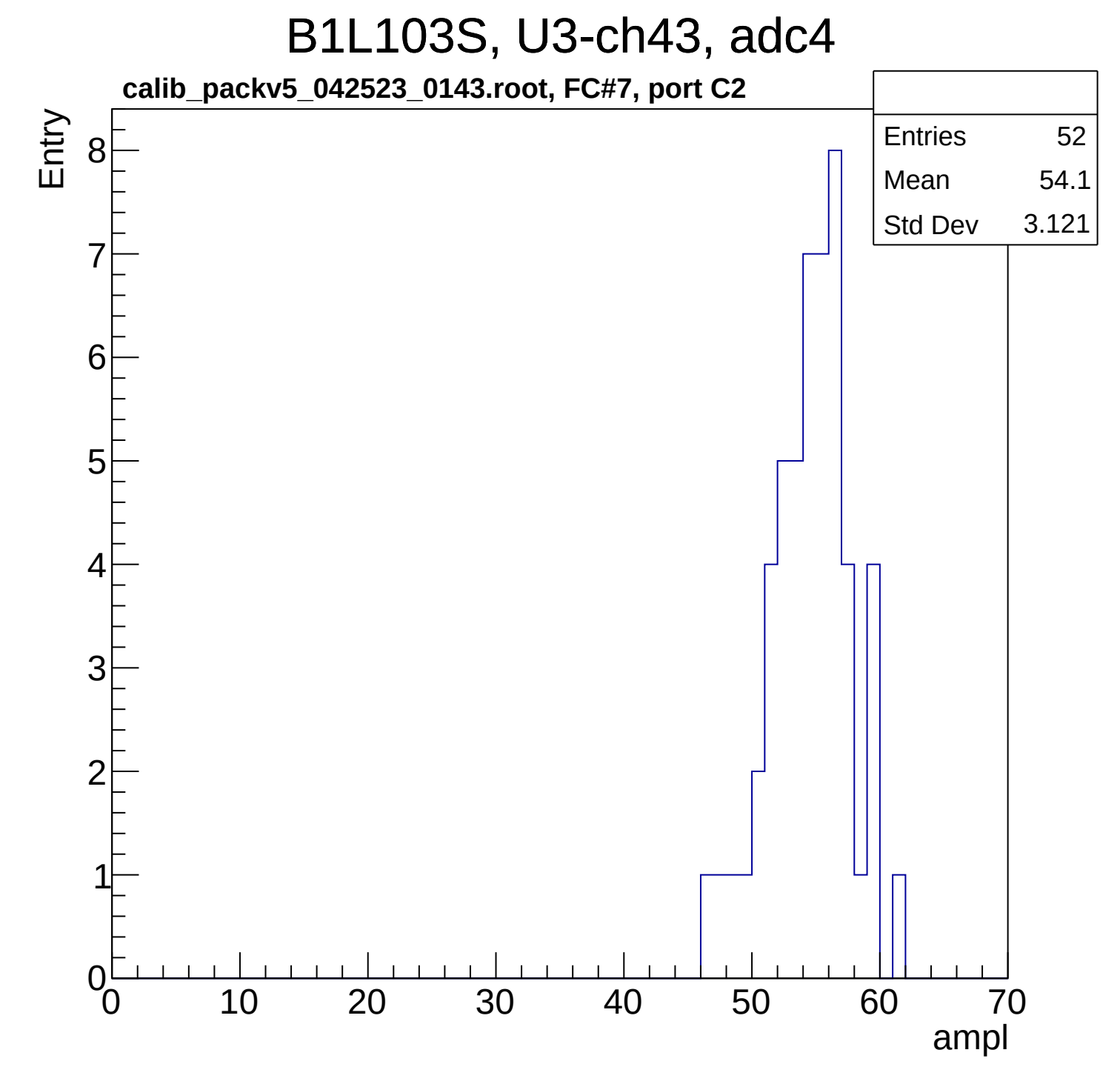
B1L103S, U3-ch43, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 54.1
Std Dev 3.121
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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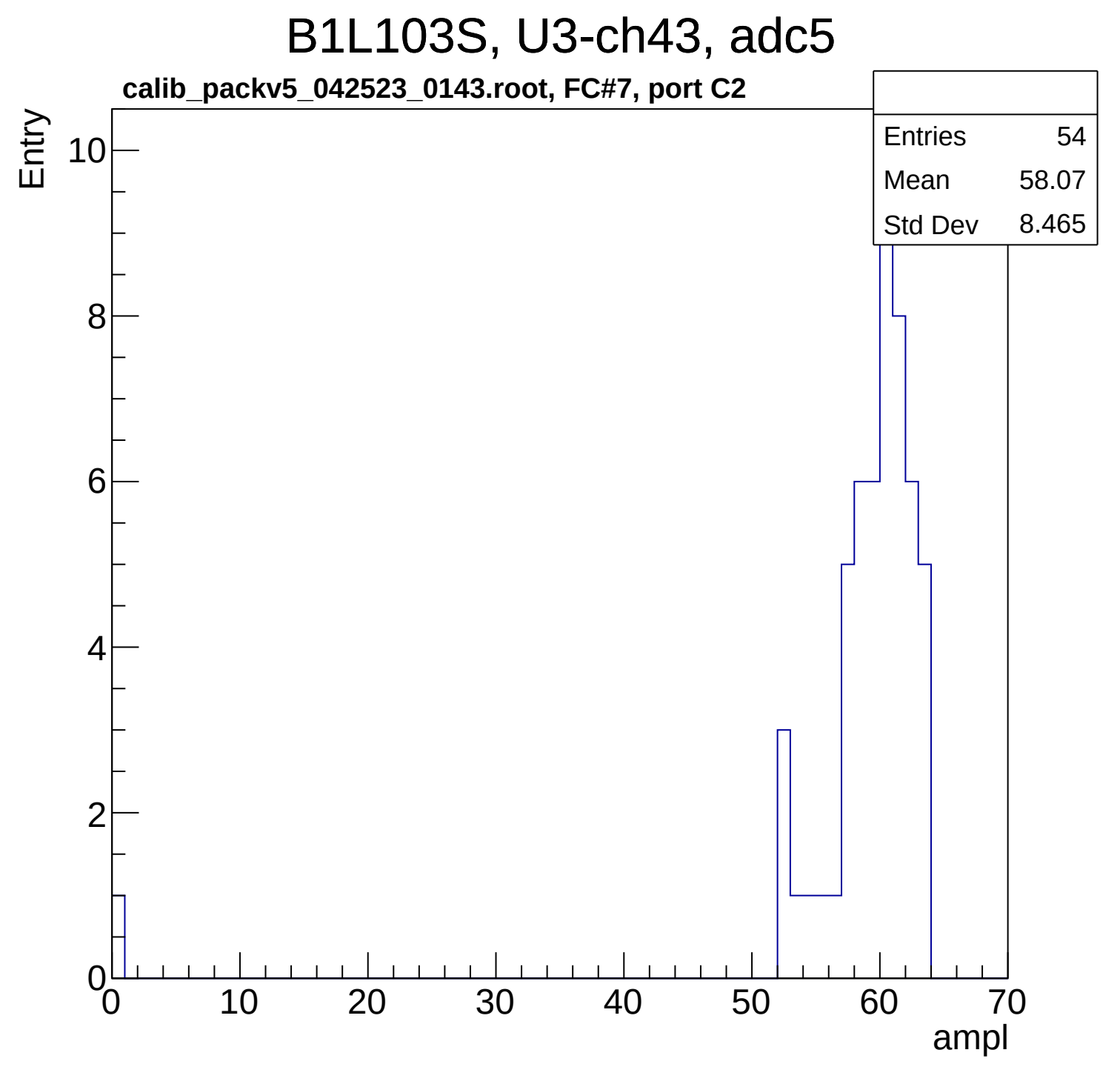
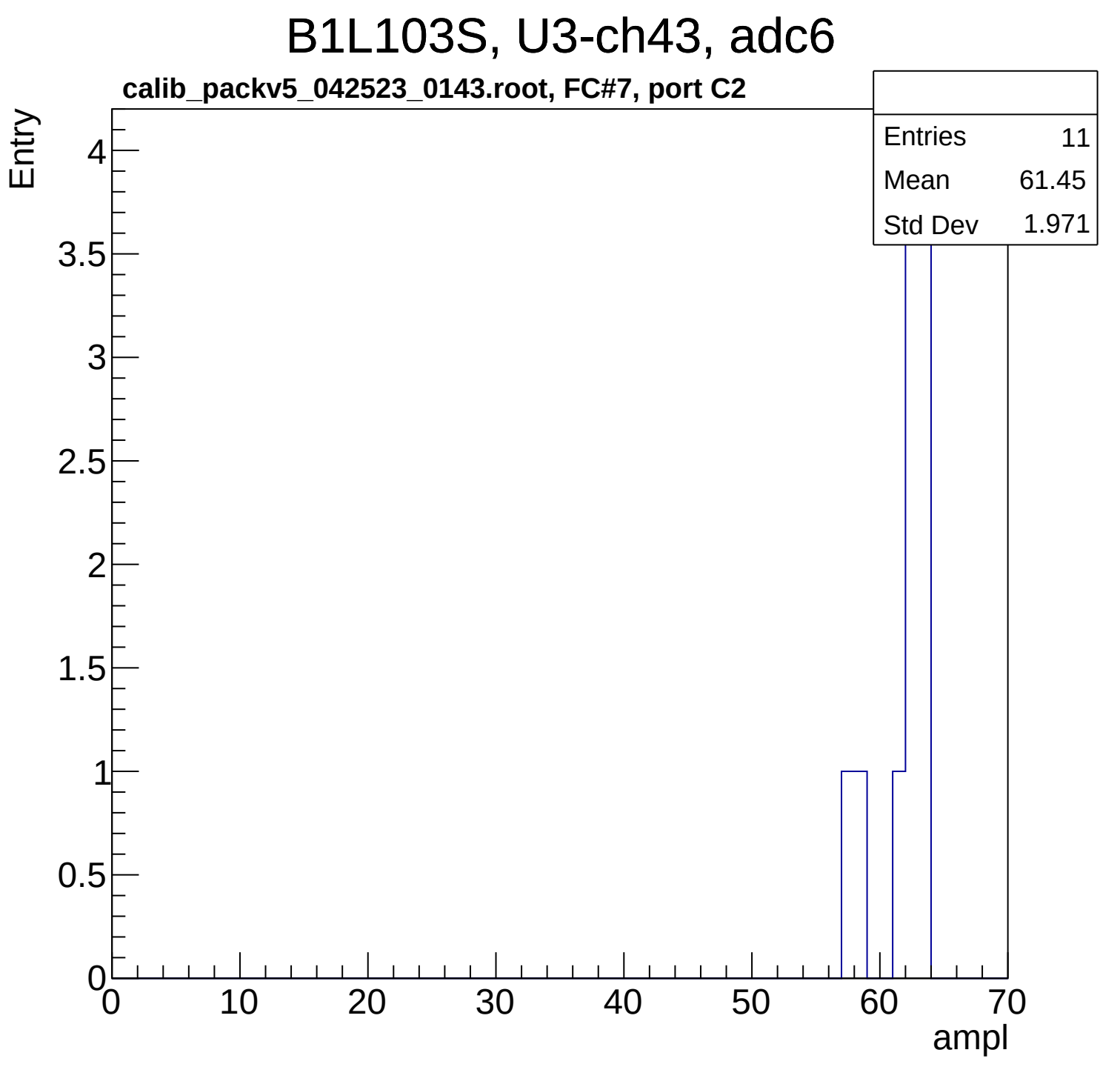

B1L103S, U3-ch43, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.07
Std Dev 8.465
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch43, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 61.45
Std Dev 1.971
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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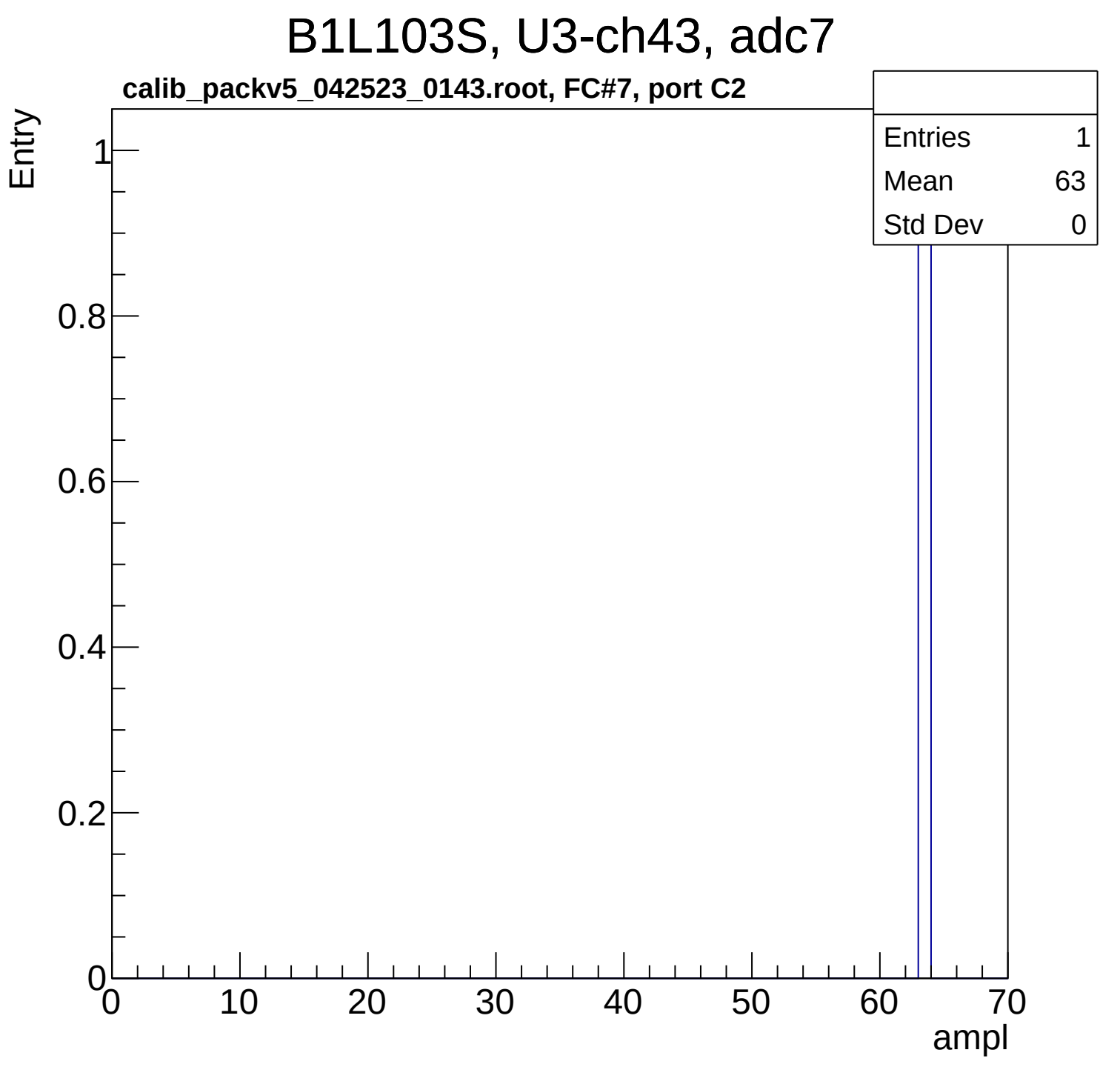
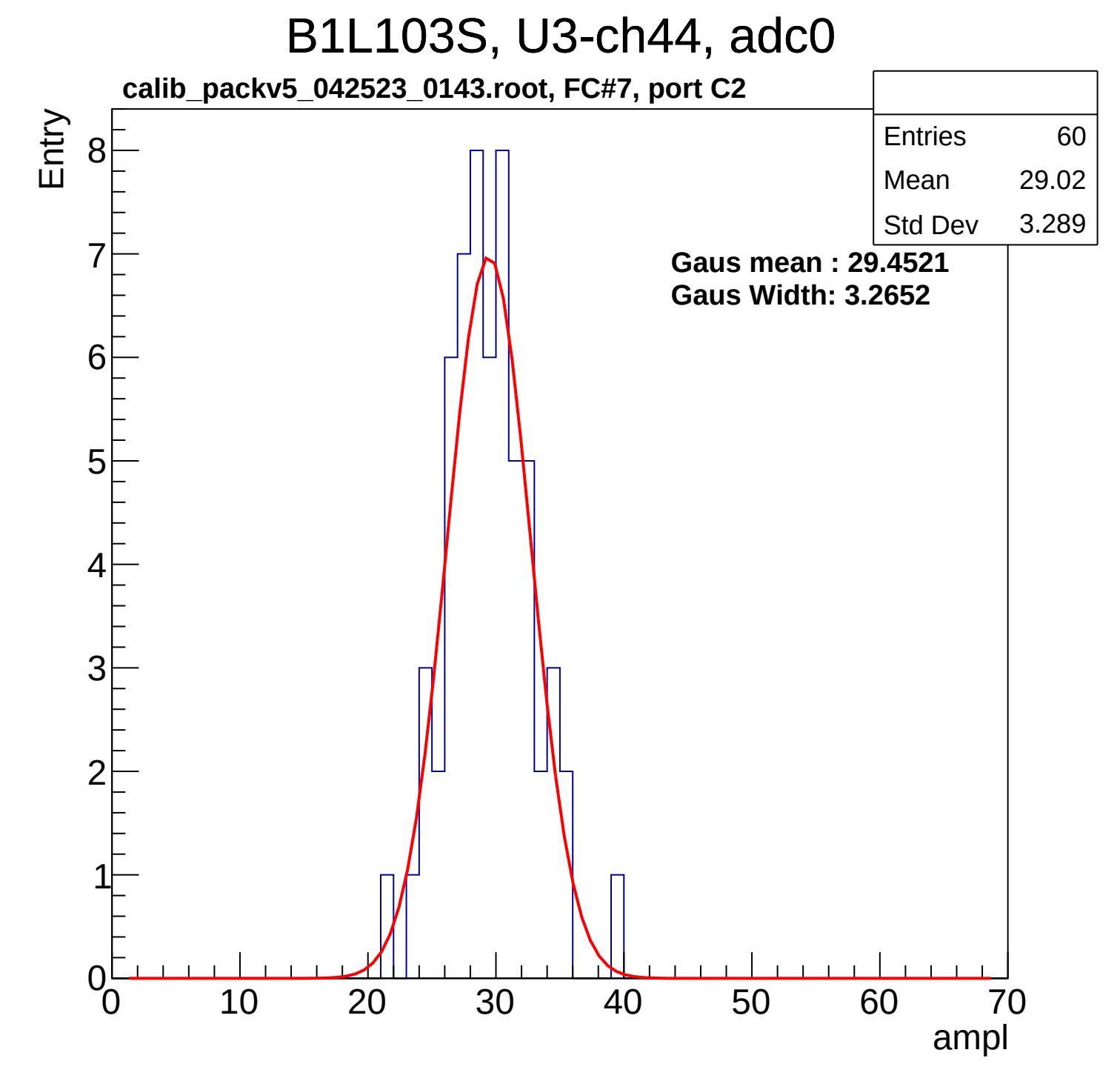
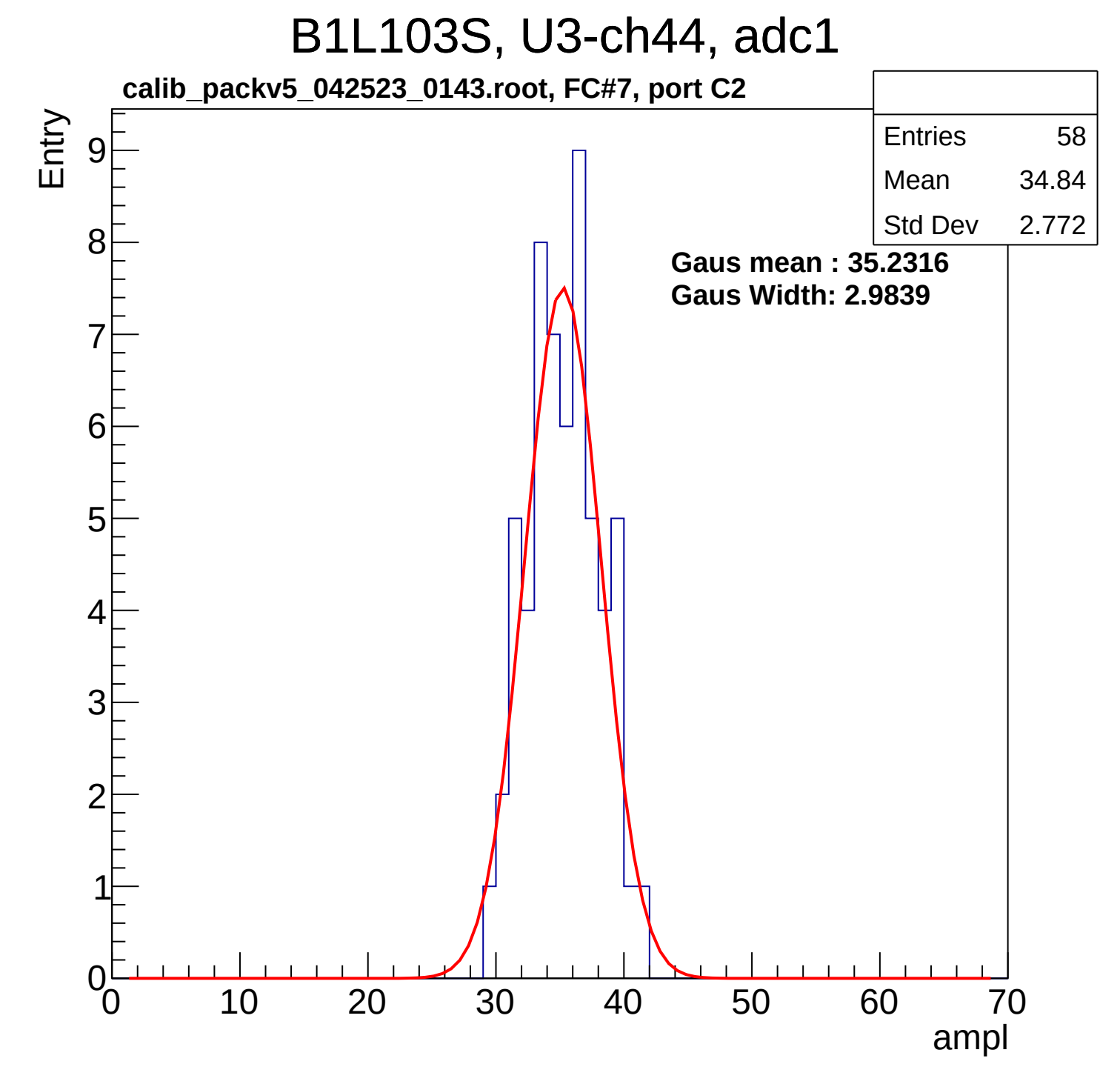

B1L103S, U3-ch43, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 63
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch44, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 29.02
Std Dev 3.289
Gaus mean : 29.4521
Gaus Width: 3.2652
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch44, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 34.84
Std Dev 2.772
Gaus mean : 35.2316
Gaus Width: 2.9839
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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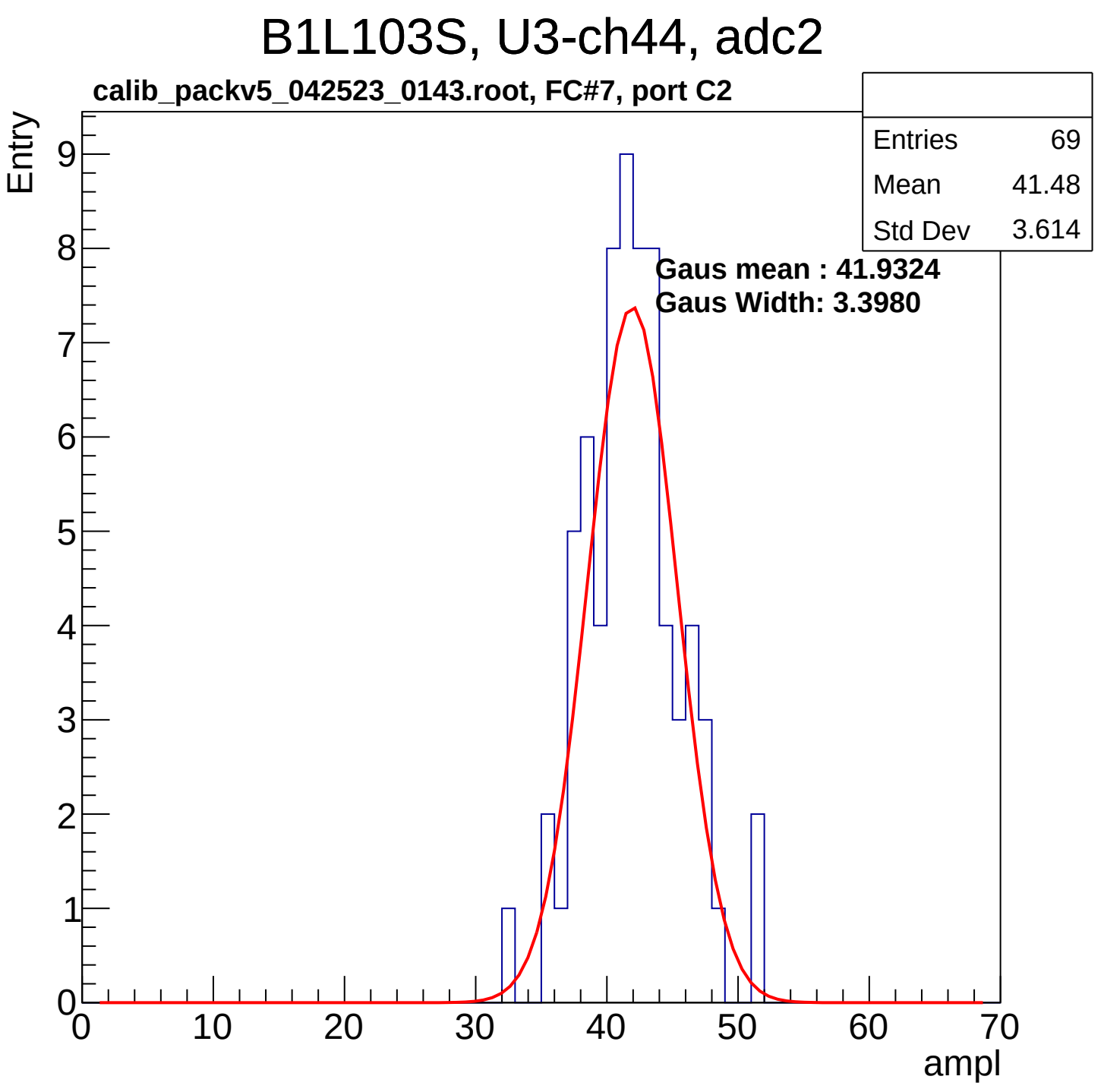
B1L103S, U3-ch44, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 41.48
Std Dev 3.614
Gaus mean : 41.9324
Gaus Width: 3.3980
Entry
ampl
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10
20
30
40
50
60
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1
2
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4
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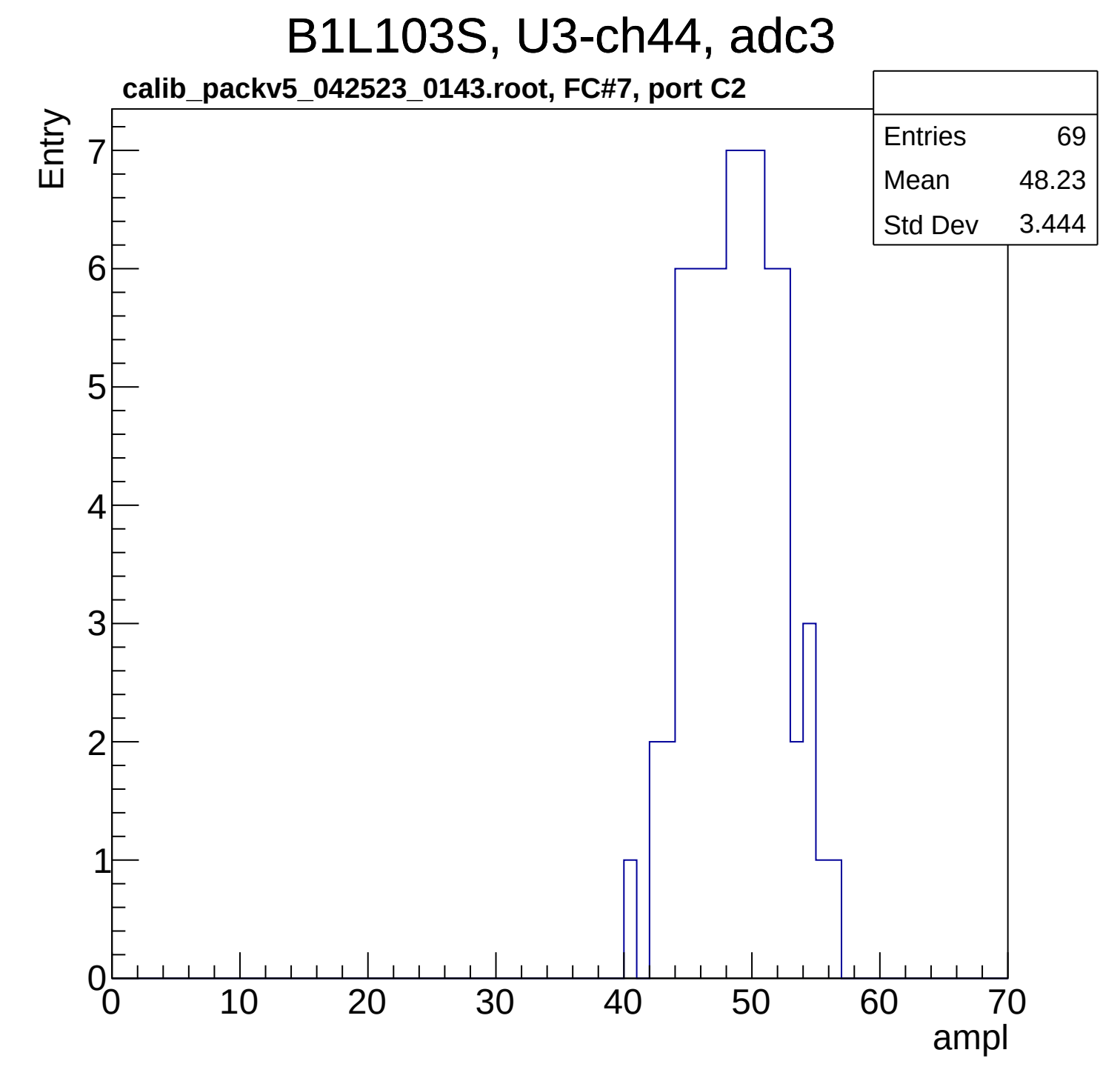
6
7
8
9


B1L103S, U3-ch44, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 48.23
Std Dev 3.444
Entry
ampl
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1
2
3
4
5
6
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0
10
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40
50
60
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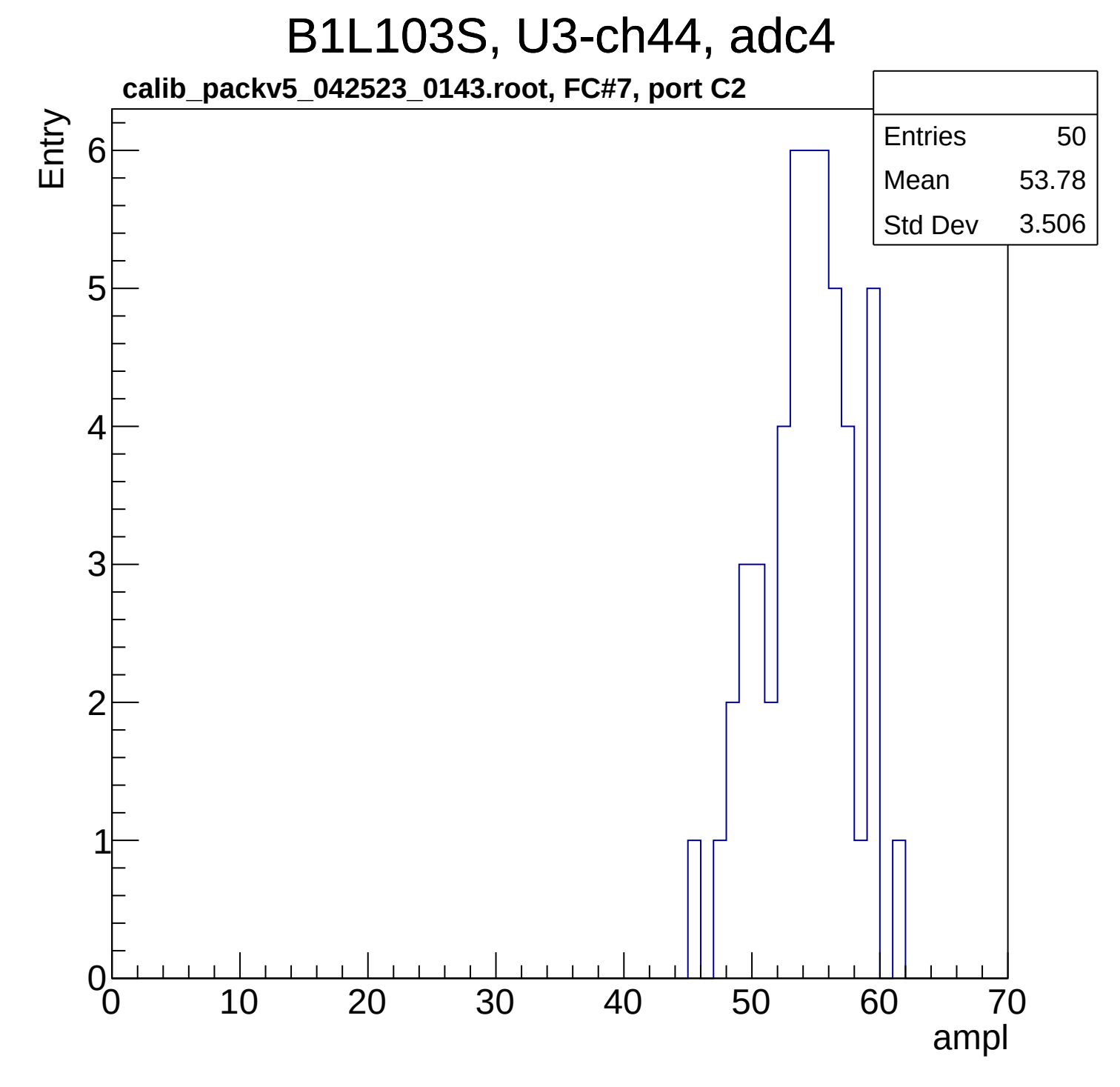
B1L103S, U3-ch44, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 53.78
Std Dev 3.506
Entry
ampl
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1
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3
4
5
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0
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20
30
40
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60
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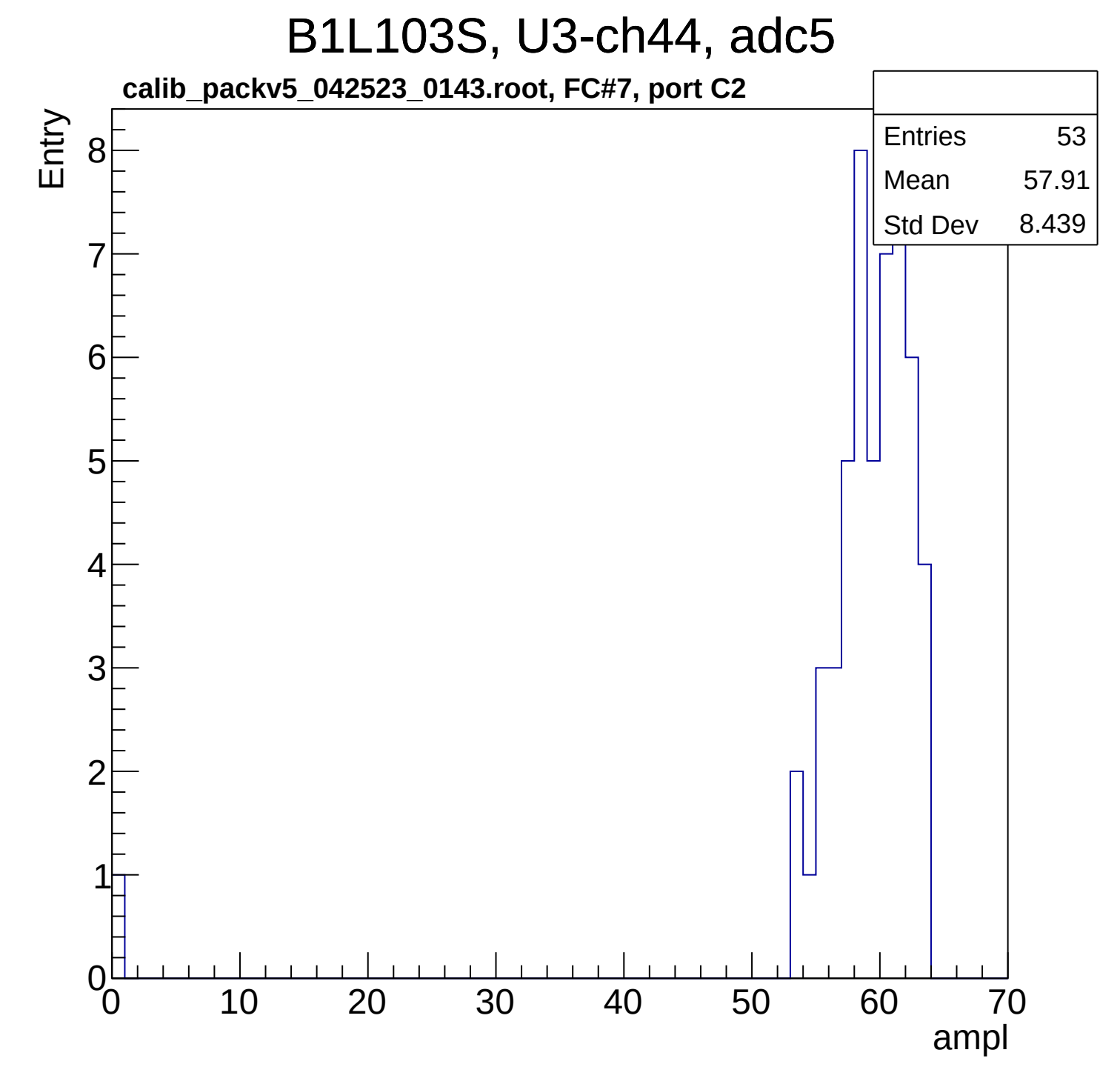
B1L103S, U3-ch44, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 57.91
Std Dev 8.439
Entry
ampl
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2
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4
5
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0
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60
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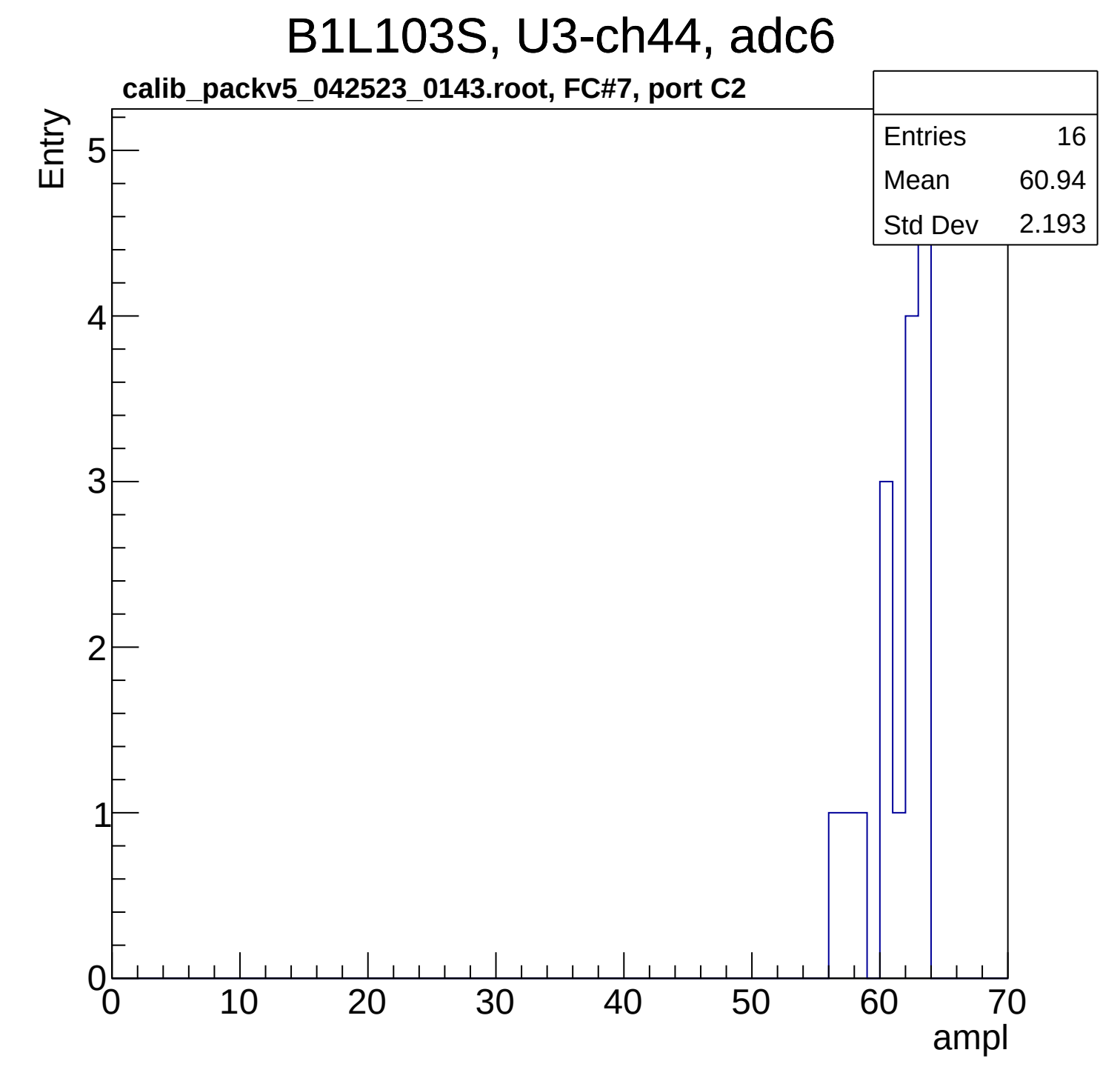
B1L103S, U3-ch44, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 60.94
Std Dev 2.193
Entry
ampl
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0
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60
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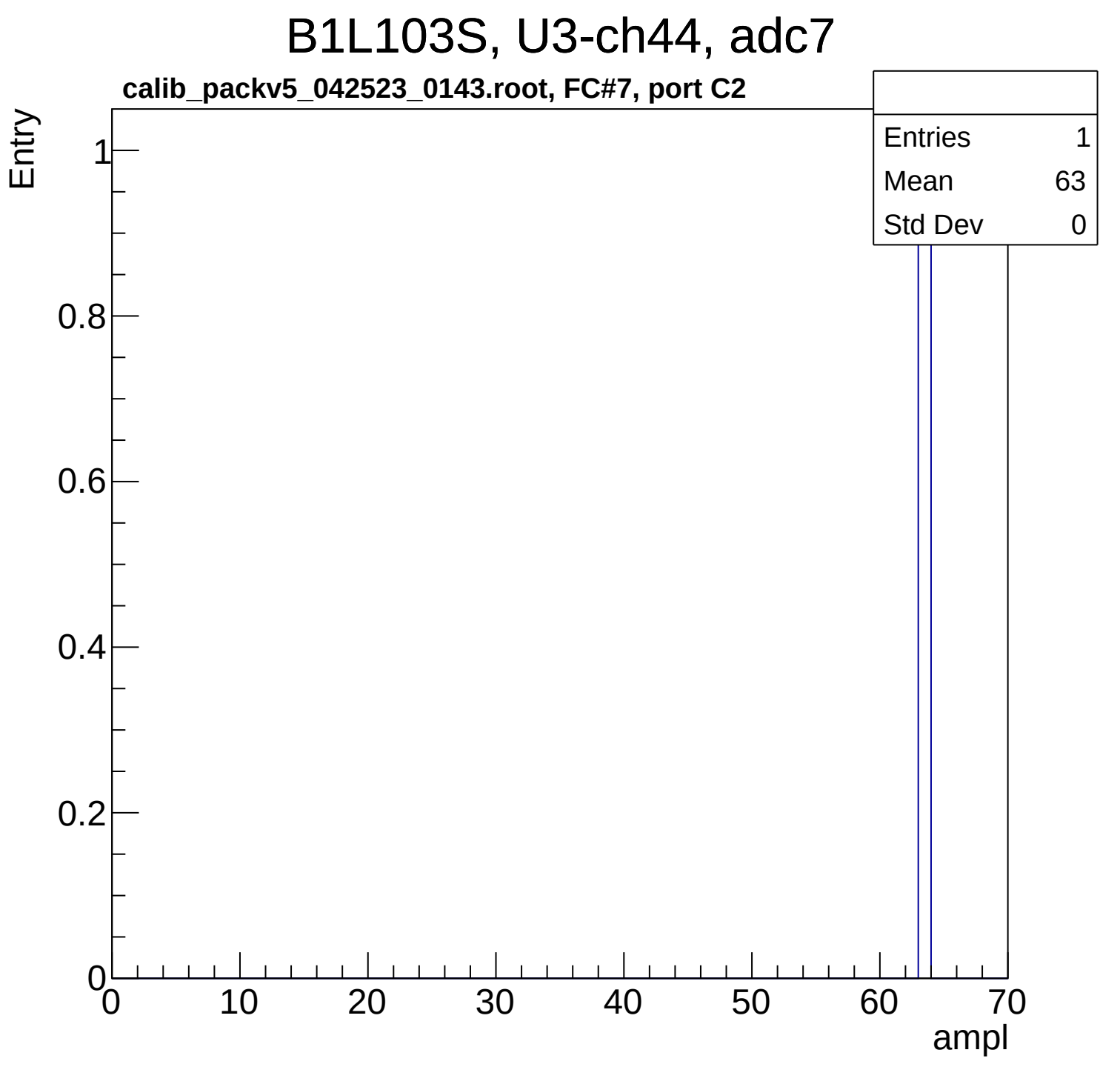
B1L103S, U3-ch44, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 63
Std Dev 0
Entry
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10
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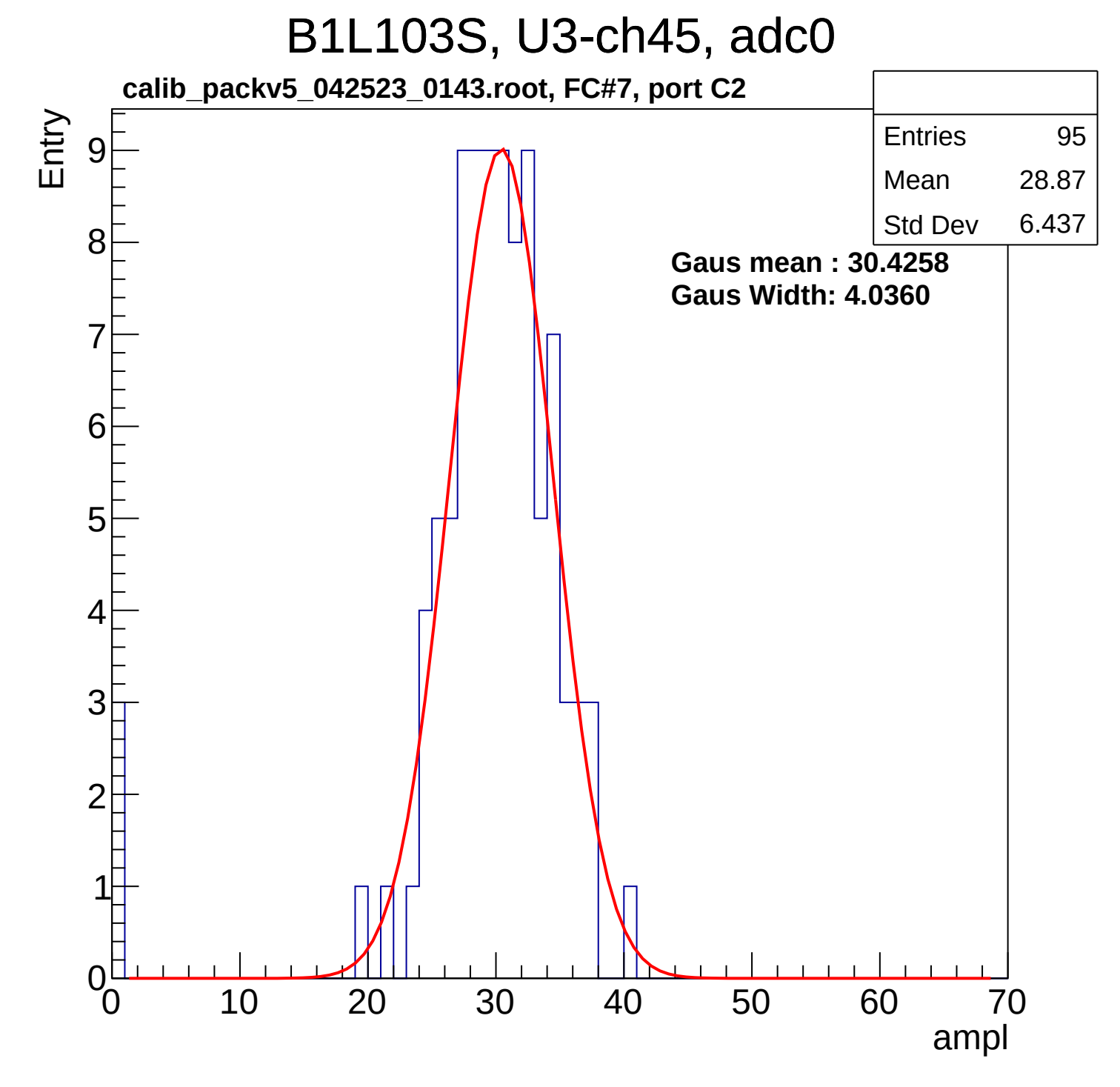
30
40
50
60
70
ampl


B1L103S, U3-ch45, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 95
Mean 28.87
Std Dev 6.437
Gaus mean : 30.4258
Gaus Width: 4.0360
Entry
ampl
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2
3
4
5
6
7
8
9
0
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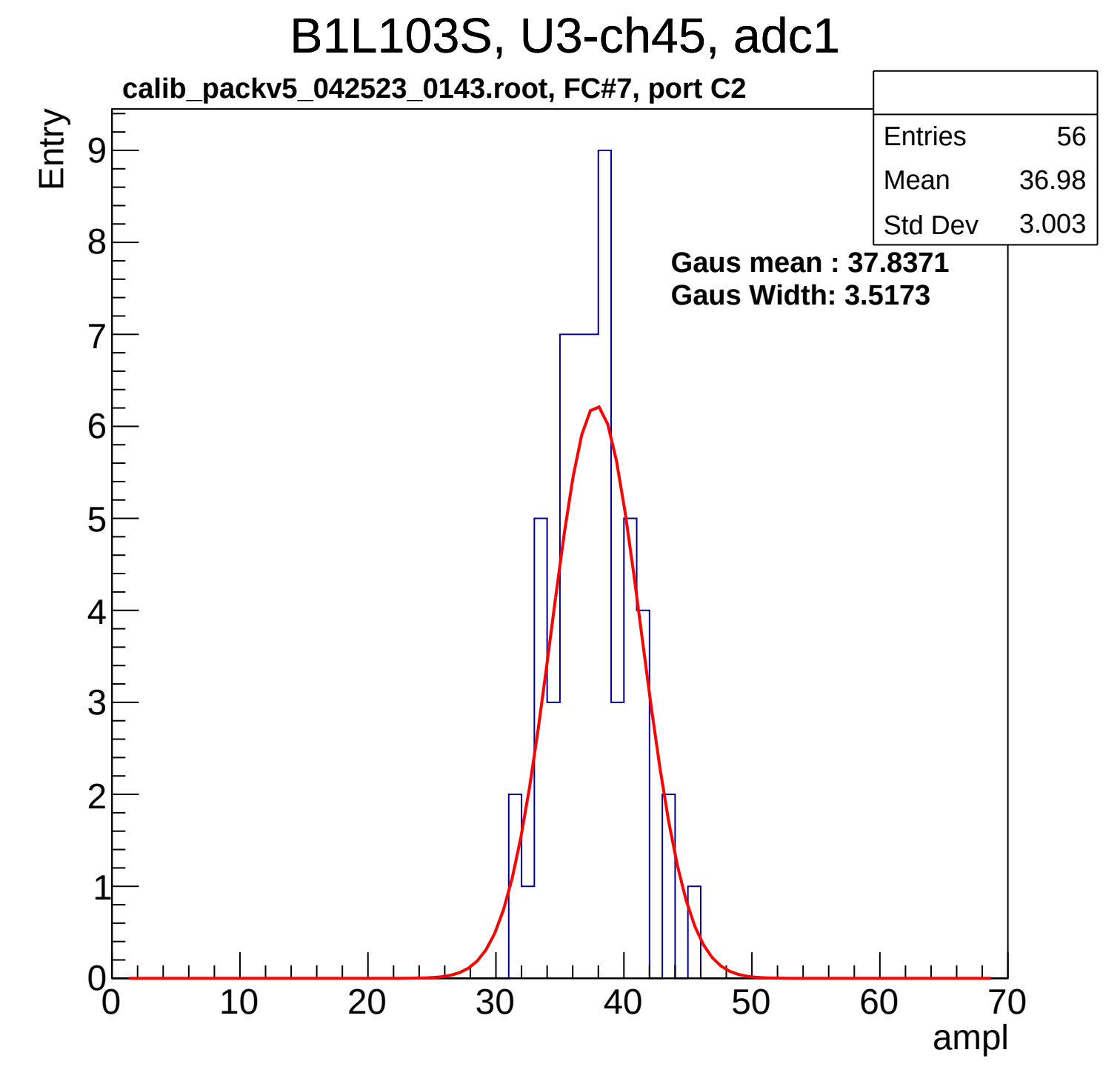
20
30
40
50
60
70


B1L103S, U3-ch45, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 36.98
Std Dev 3.003
Gaus mean : 37.8371
Gaus Width: 3.5173
Entry
ampl
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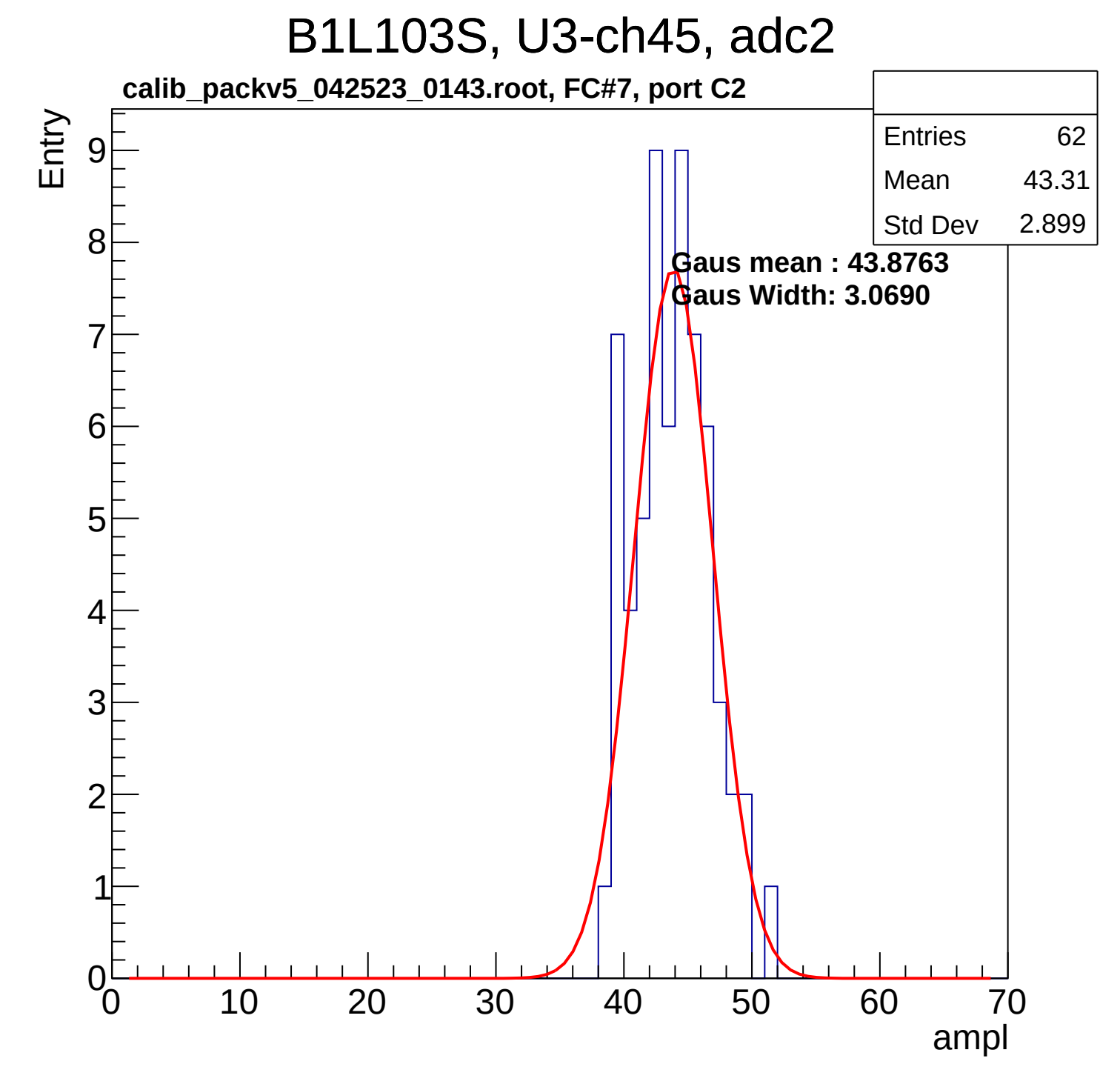
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch45, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 43.31
Std Dev 2.899
Gaus mean : 43.8763
Gaus Width: 3.0690
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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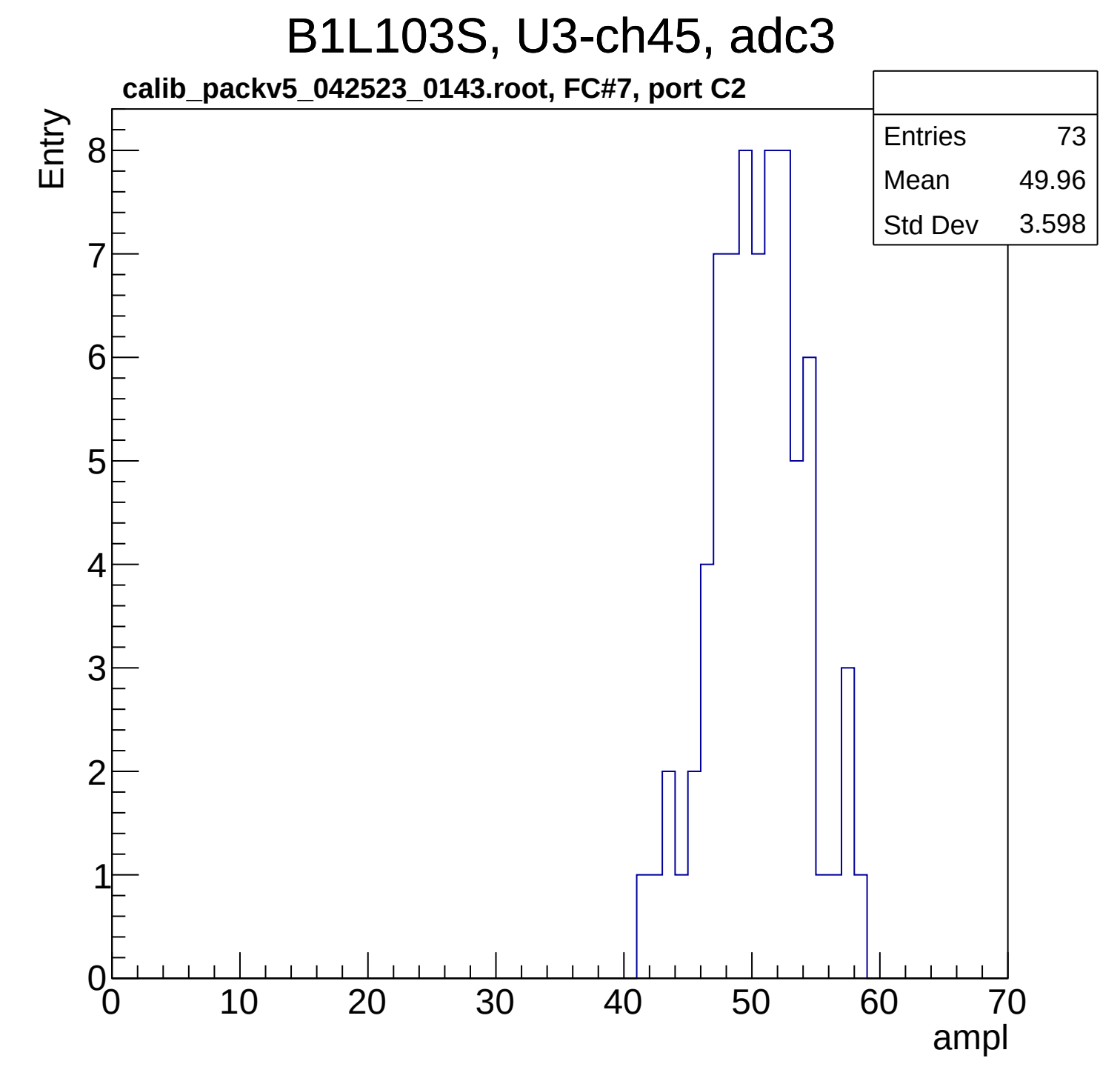
B1L103S, U3-ch45, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 49.96
Std Dev 3.598
Entry
ampl
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3
4
5
6
7
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0
10
20
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40
50
60
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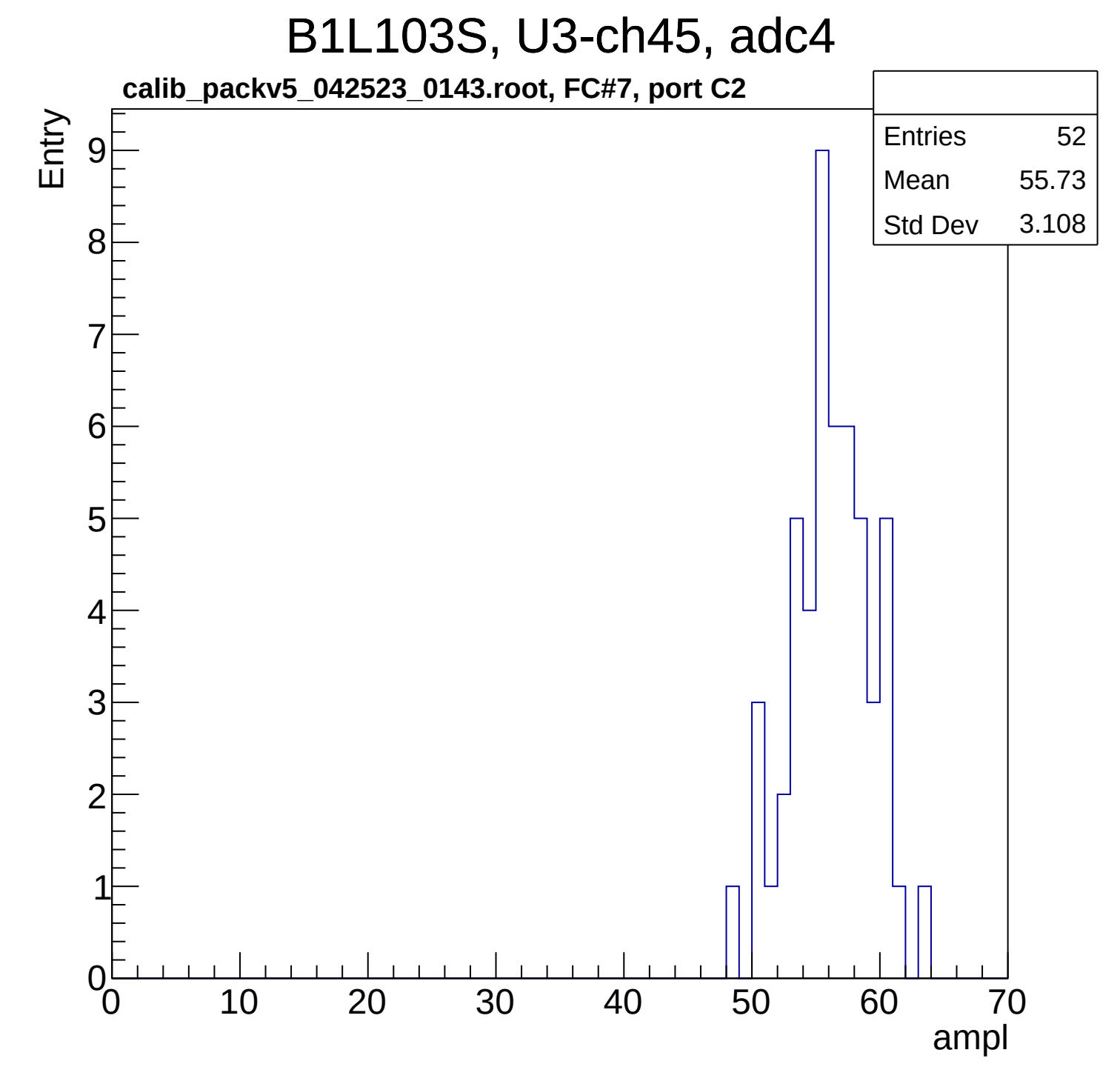
B1L103S, U3-ch45, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 55.73
Std Dev 3.108
Entry
ampl
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2
3
4
5
6
7
8
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0
10
20
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40
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60
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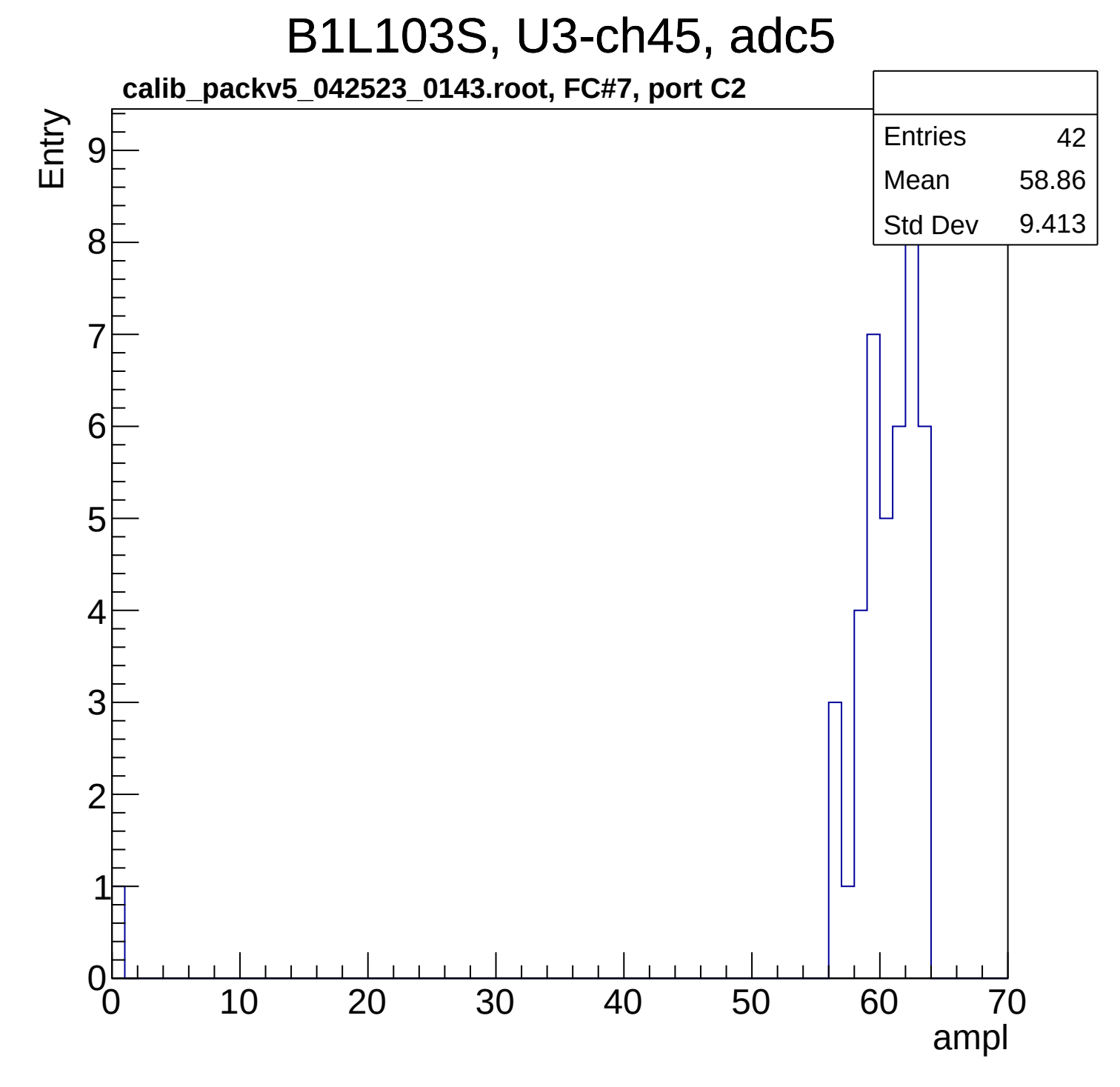
B1L103S, U3-ch45, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 58.86
Std Dev 9.413
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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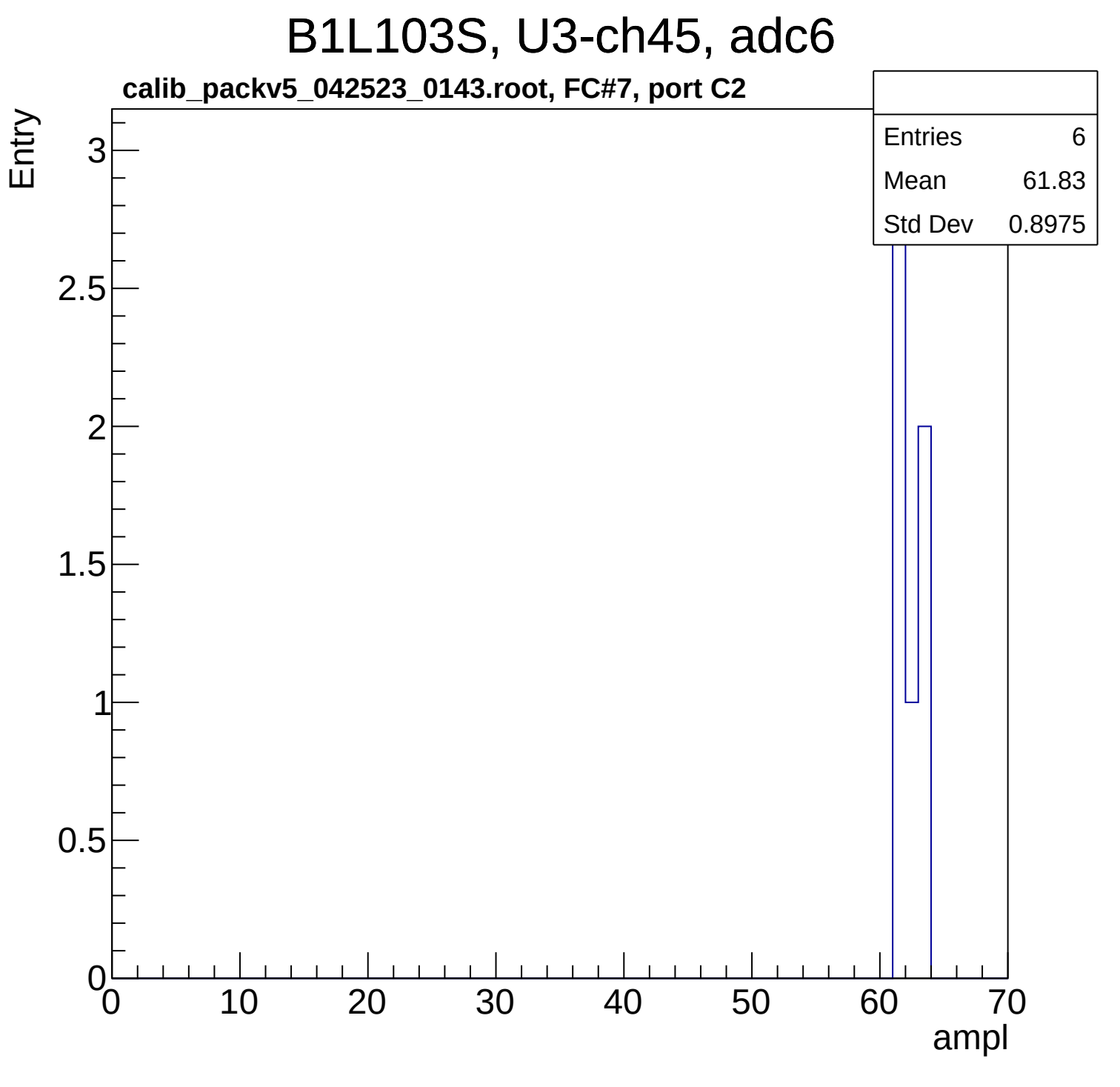
B1L103S, U3-ch45, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 61.83
Std Dev 0.8975
Entry
ampl
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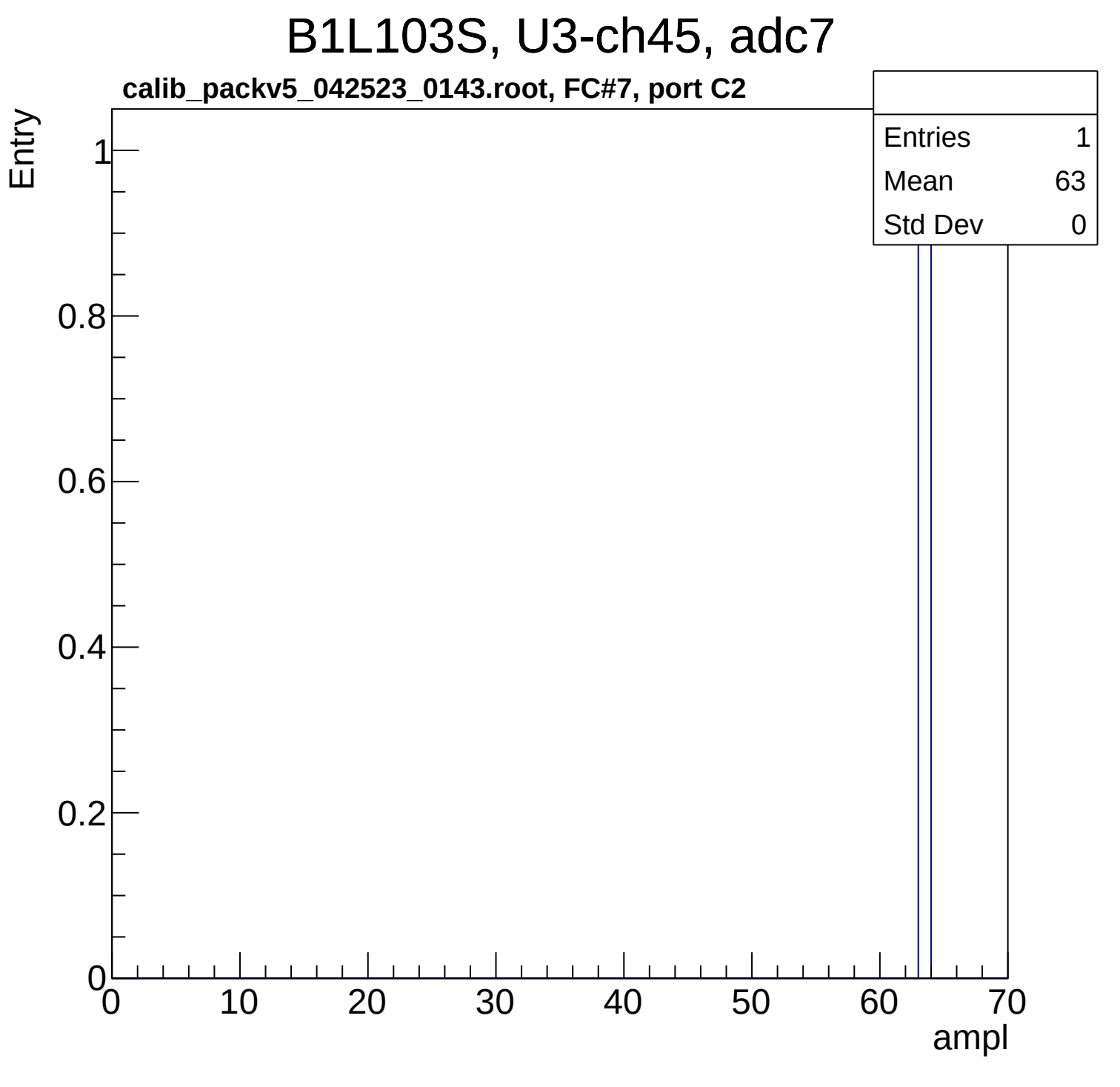
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch45, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 63
Std Dev 0
Entry
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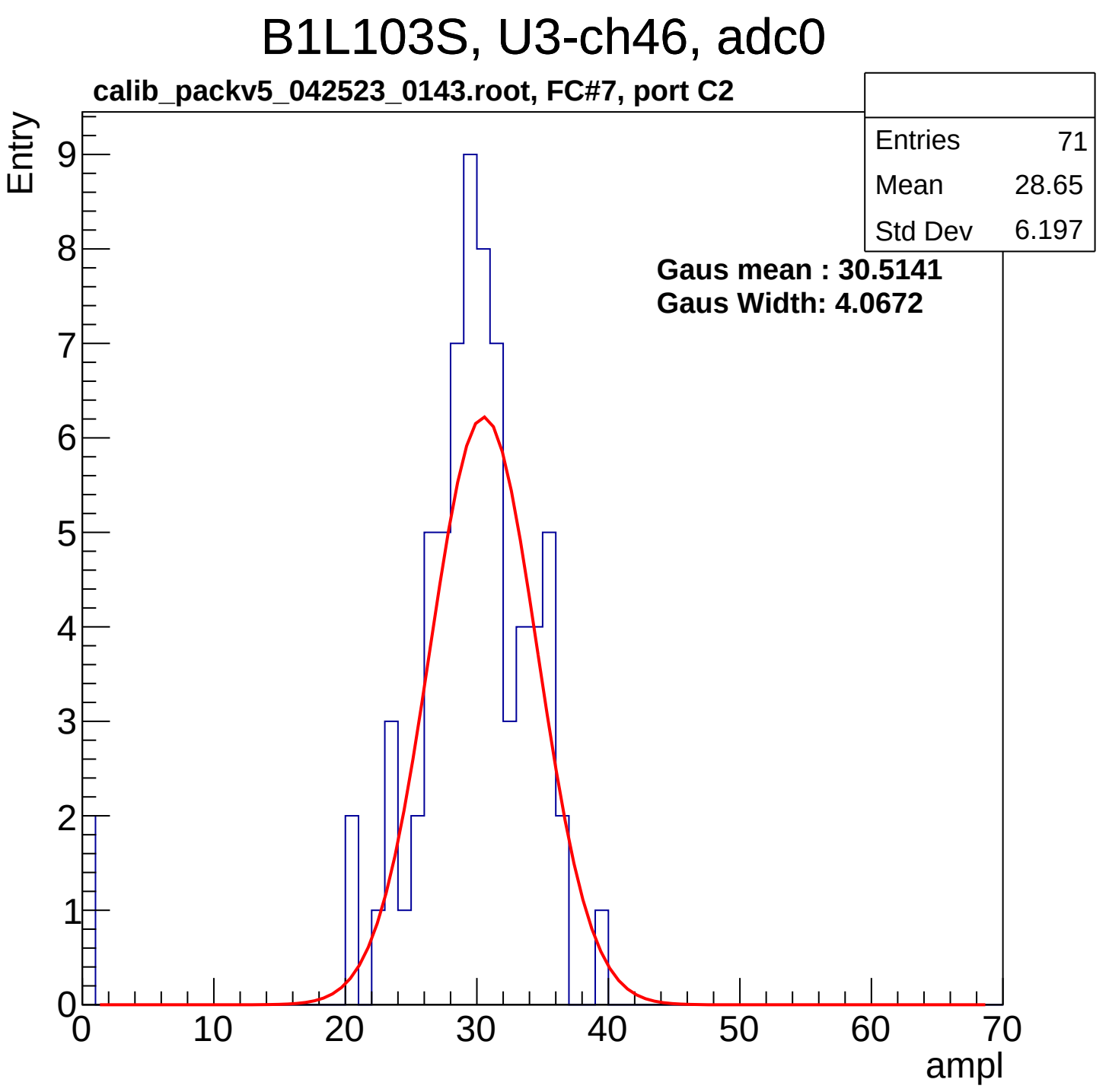
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch46, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 28.65
Std Dev 6.197
Gaus mean : 30.5141
Gaus Width: 4.0672
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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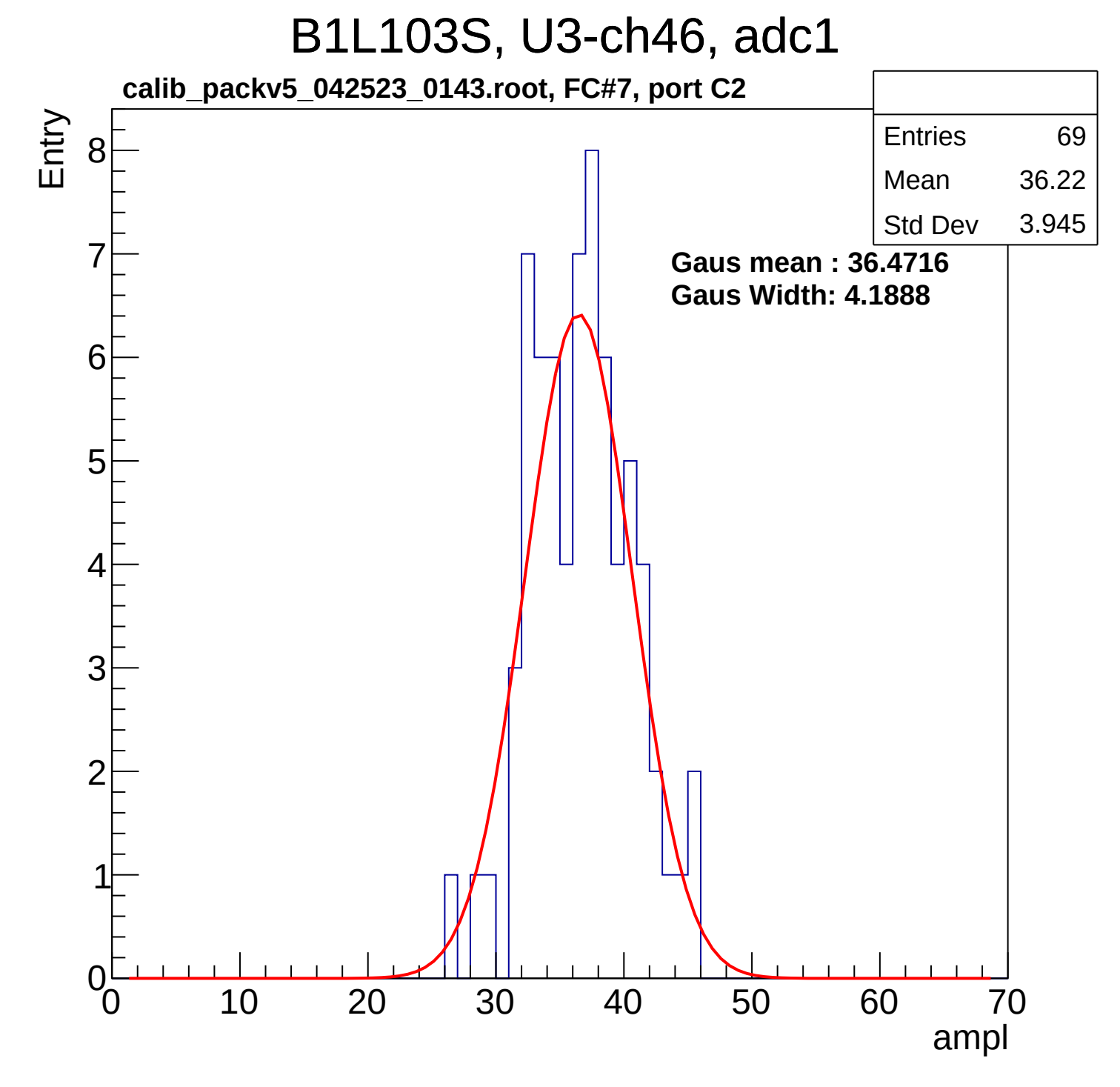
B1L103S, U3-ch46, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 36.22
Std Dev 3.945
Gaus mean : 36.4716
Gaus Width: 4.1888
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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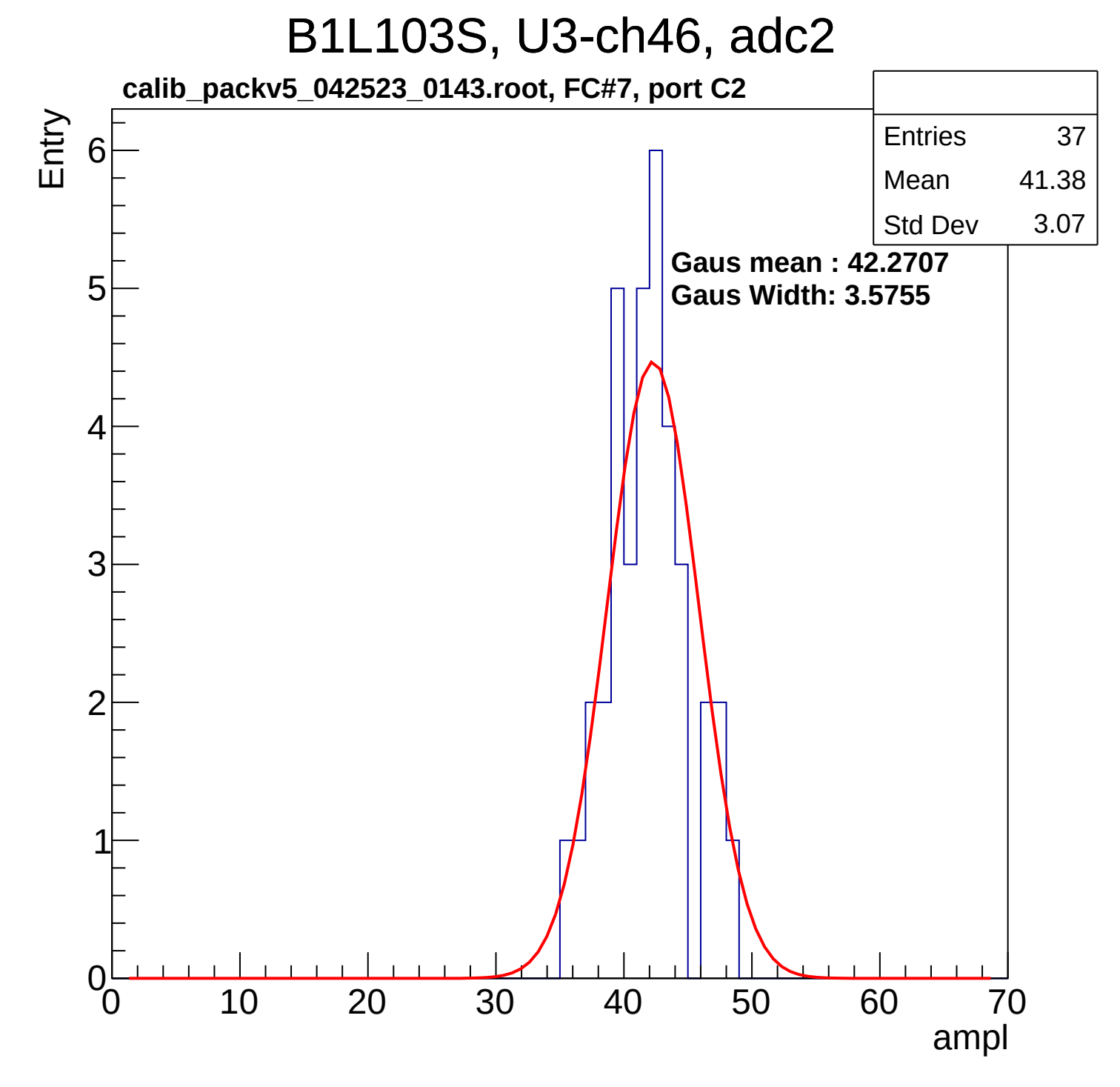
B1L103S, U3-ch46, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 37
Mean 41.38
Std Dev 3.07
Gaus mean : 42.2707
Gaus Width: 3.5755
Entry
ampl
0
1
2
3
4
5
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0
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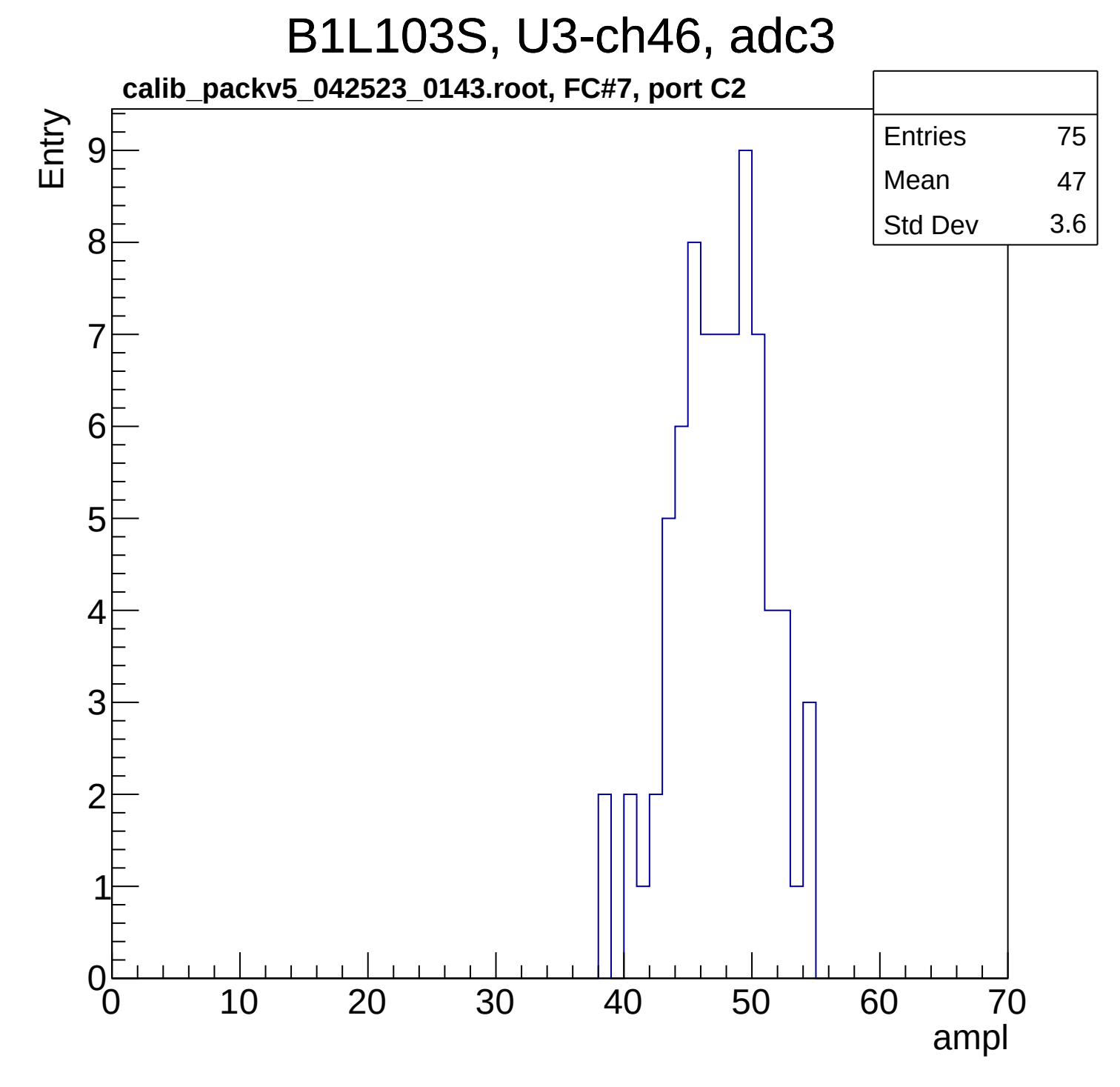
B1L103S, U3-ch46, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 47
Std Dev 3.6
Entry
ampl
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3
4
5
6
7
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9
0
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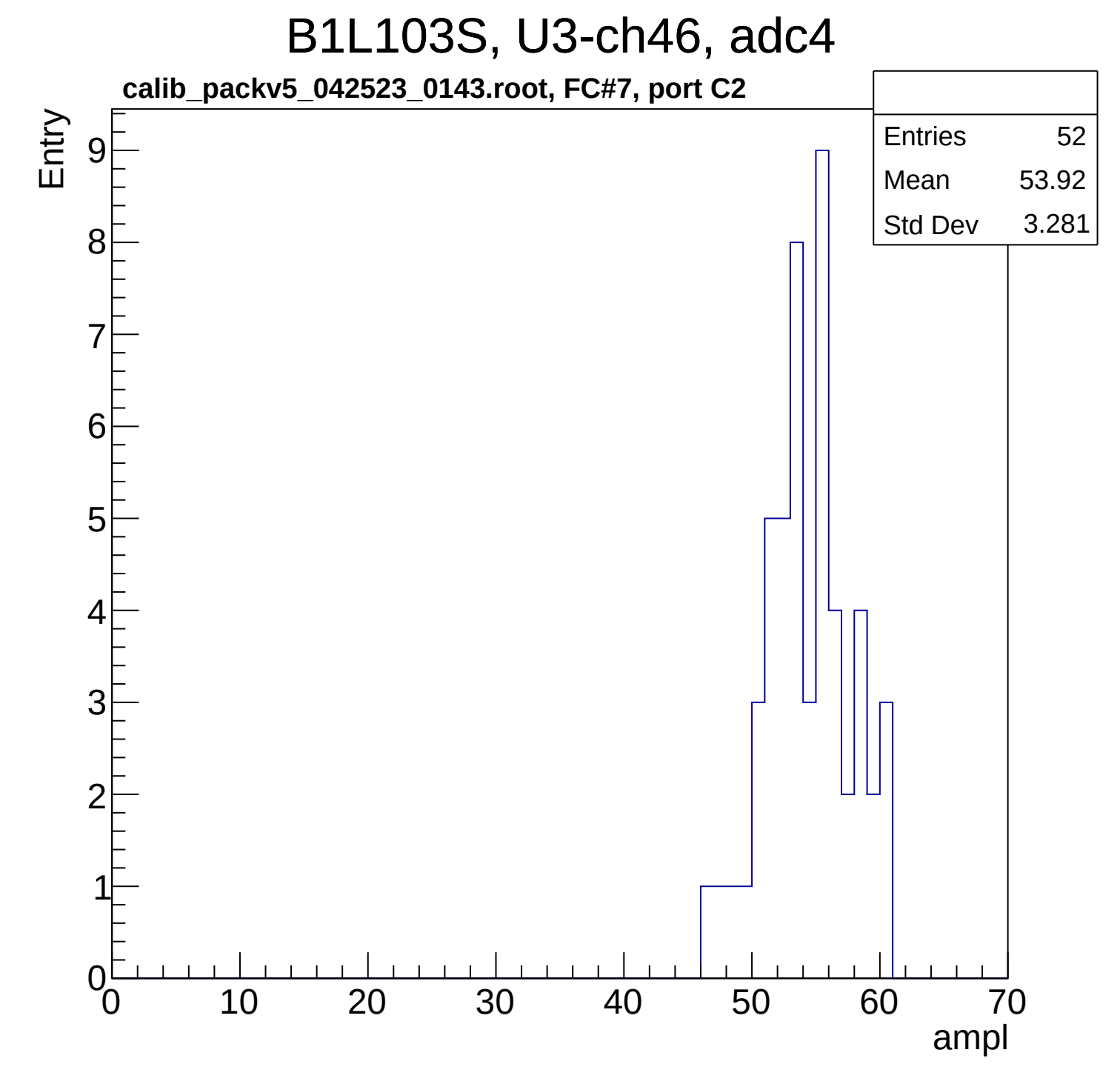
B1L103S, U3-ch46, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 53.92
Std Dev 3.281
Entry
ampl
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3
4
5
6
7
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0
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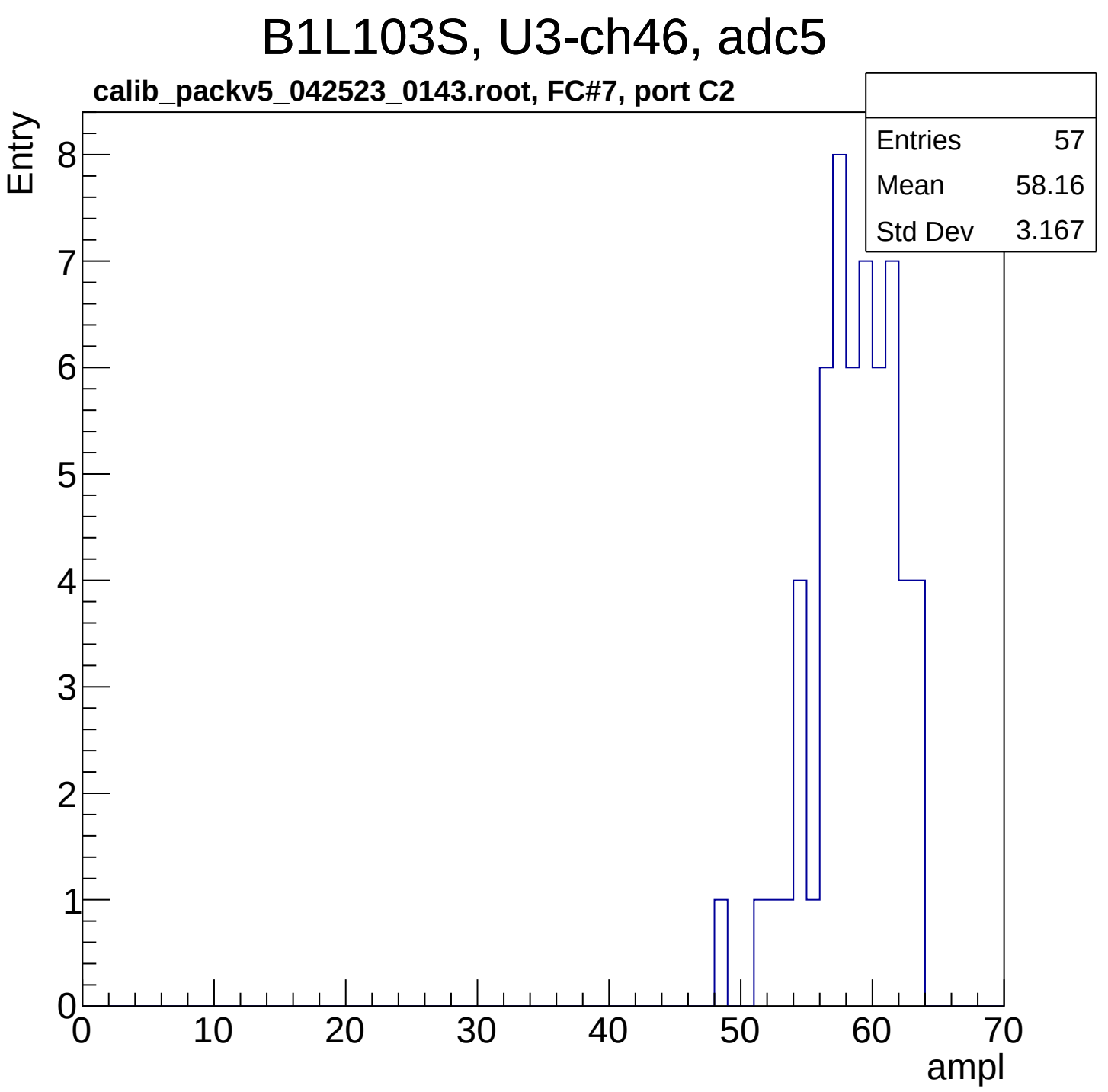
B1L103S, U3-ch46, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 58.16
Std Dev 3.167
Entry
0
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2
3
4
5
6
7
8
0
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20
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50
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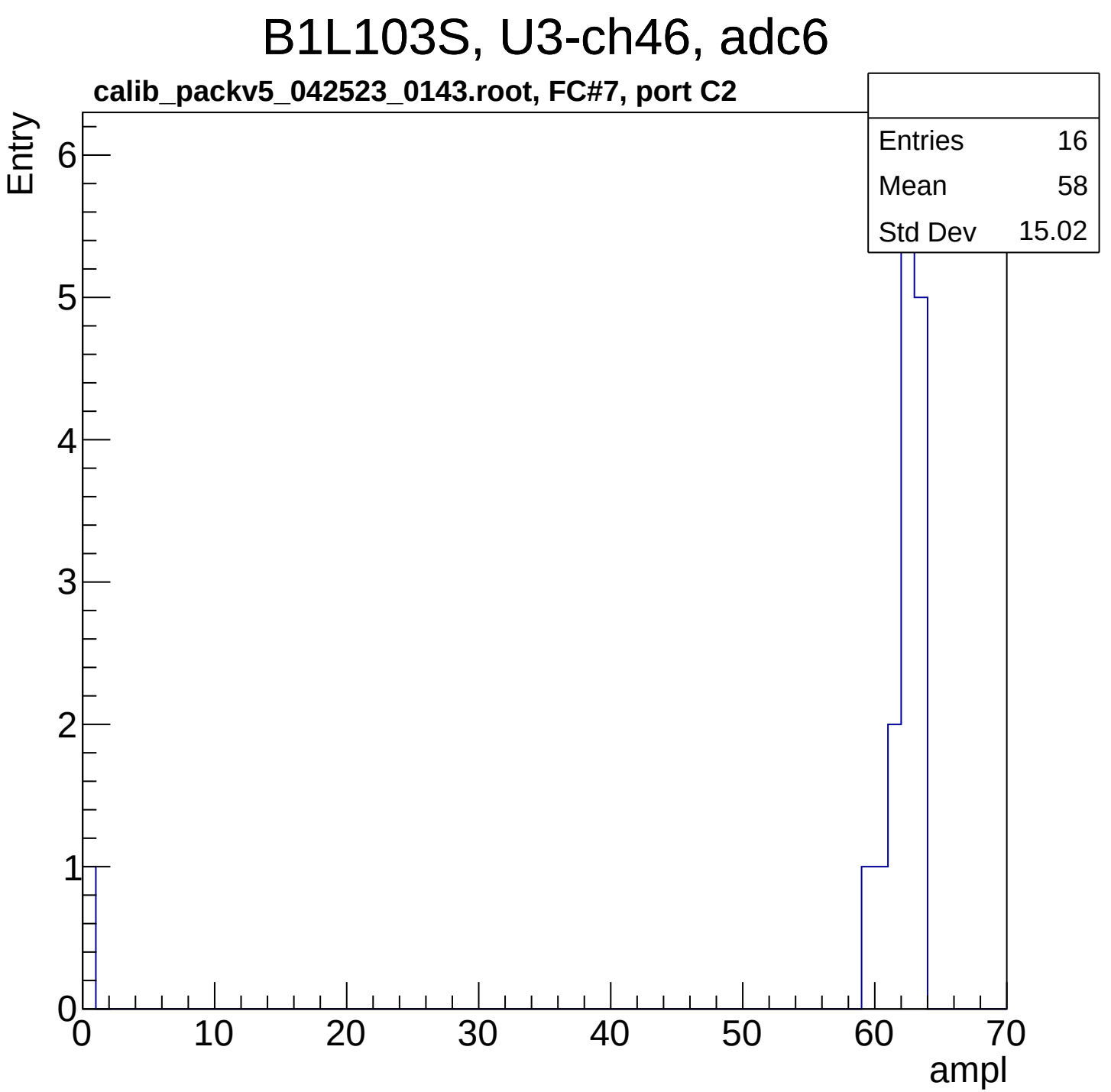
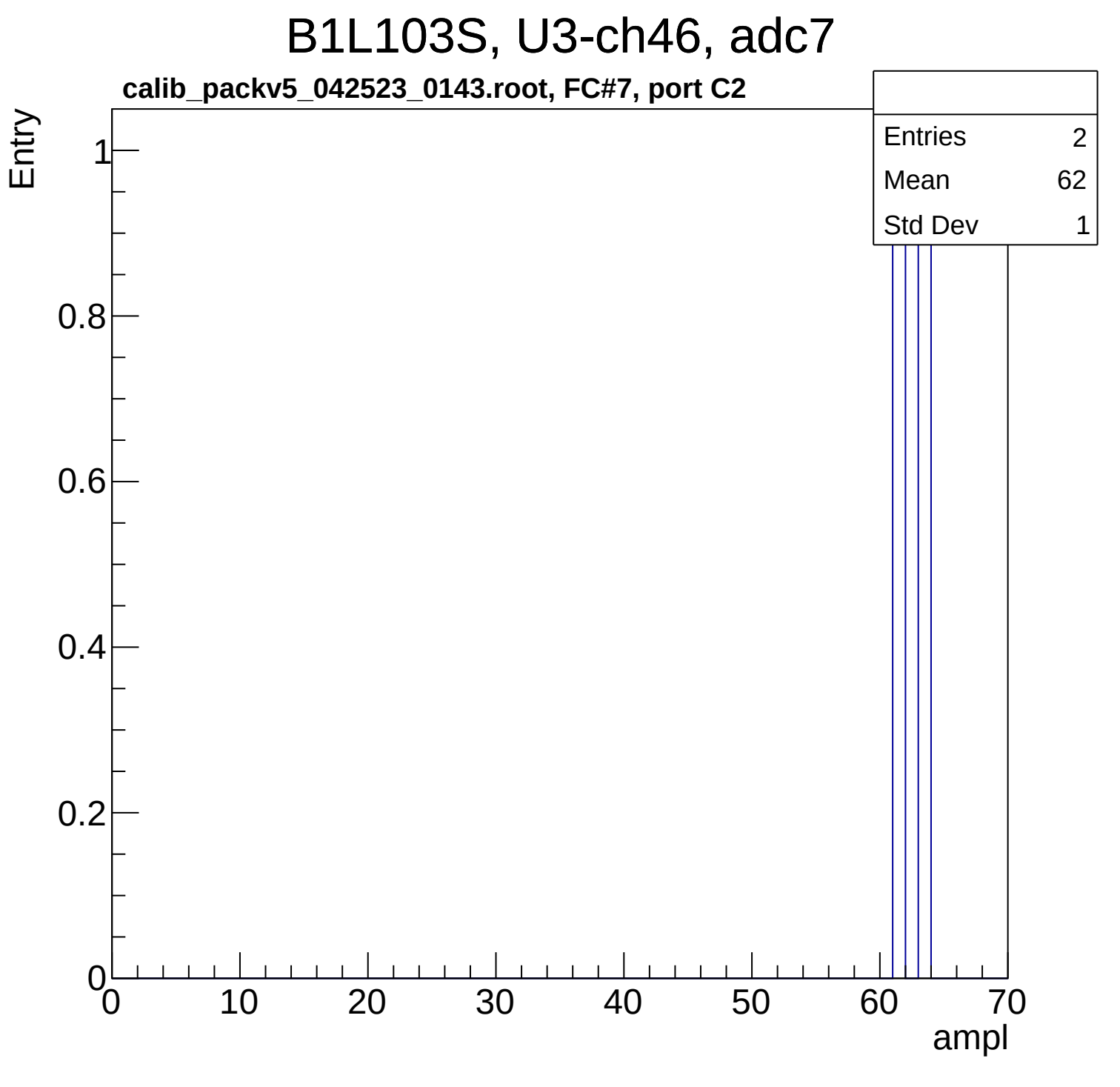
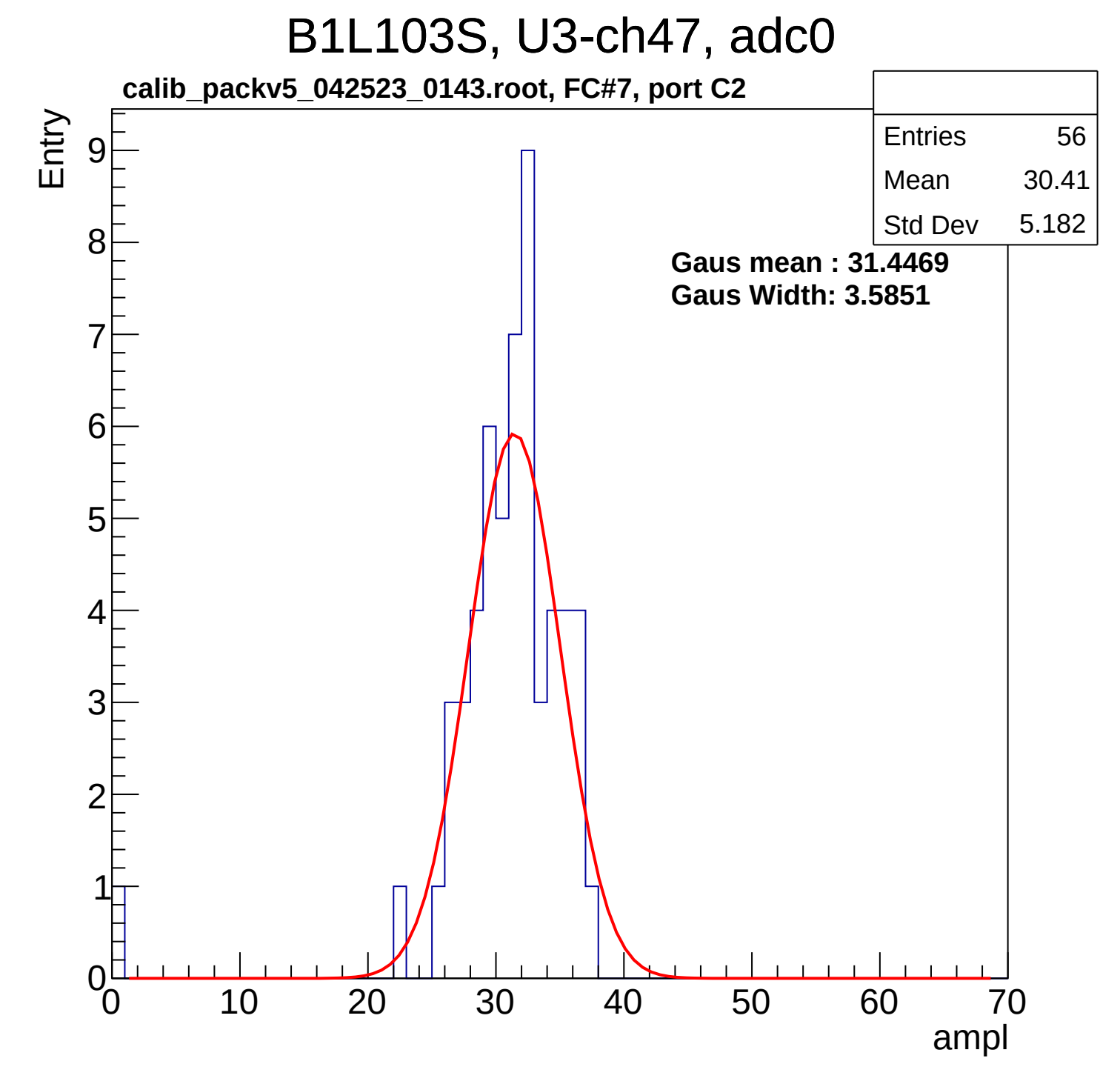
70
ampl


B1L103S, U3-ch46, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 58
Std Dev 15.02
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch46, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch47, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 30.41
Std Dev 5.182
Gaus mean : 31.4469
Gaus Width: 3.5851
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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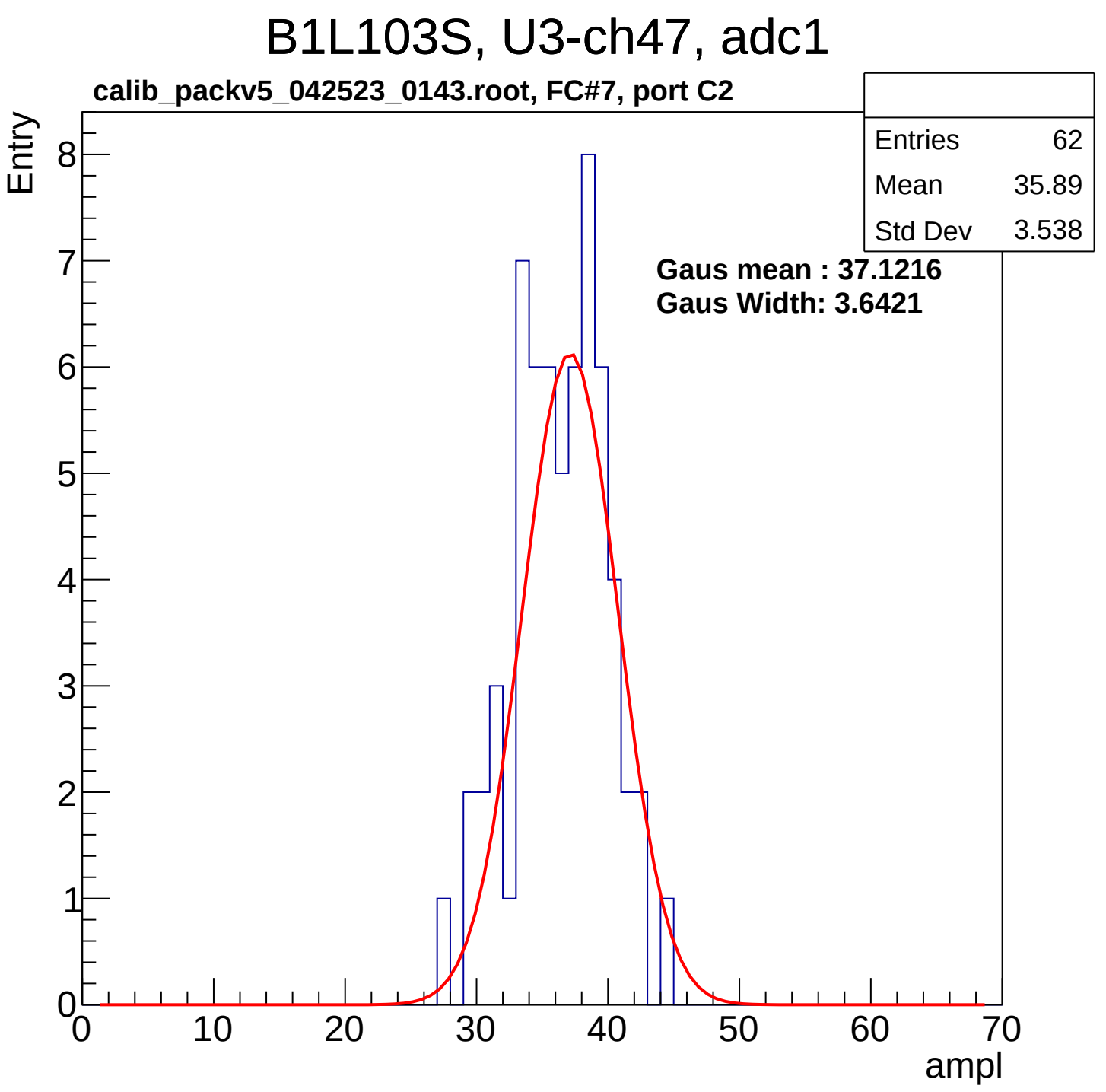
B1L103S, U3-ch47, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 35.89
Std Dev 3.538
Gaus mean : 37.1216
Gaus Width: 3.6421
Entry
ampl
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1
2
3
4
5
6
7
8
0
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40
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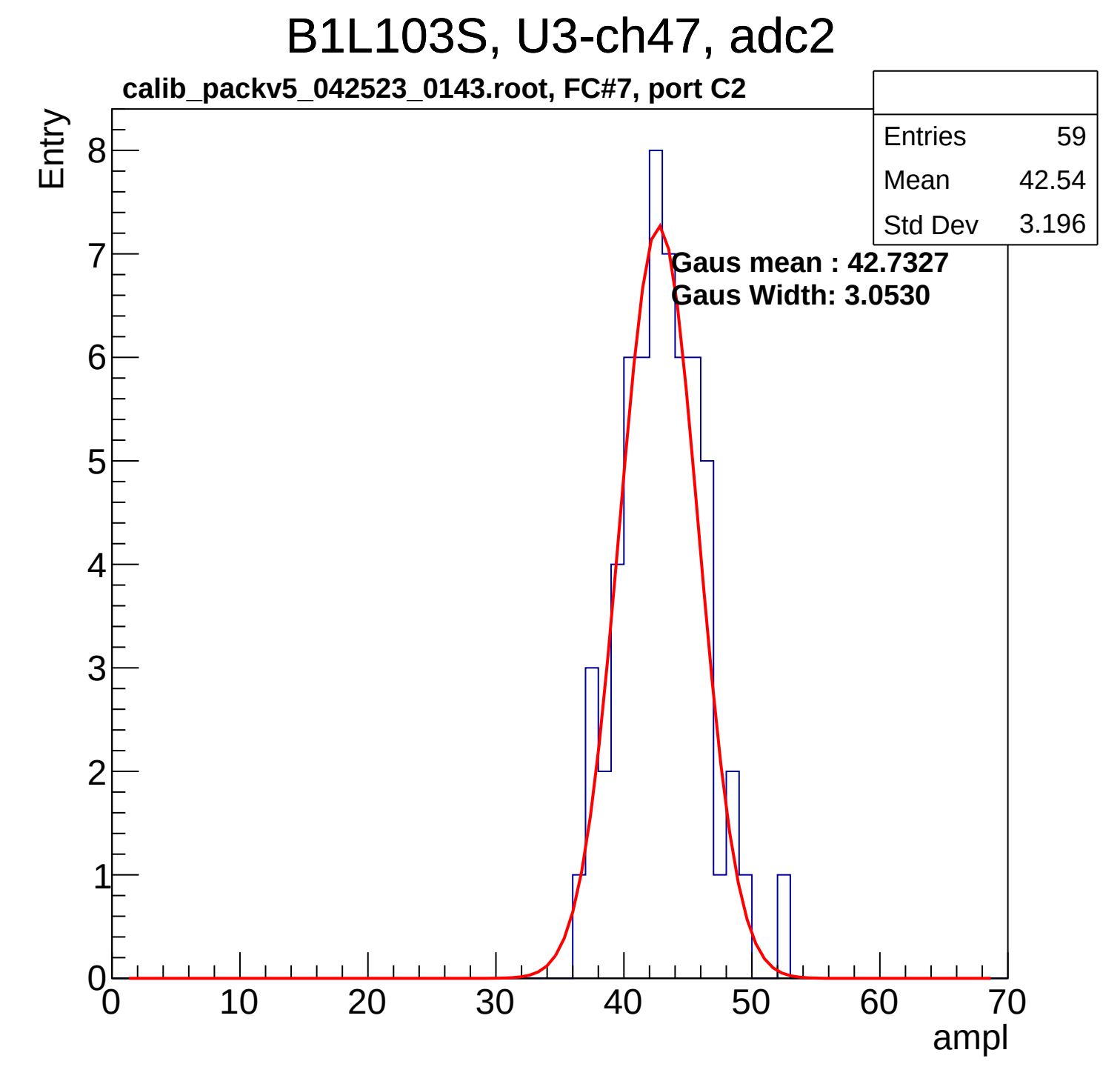
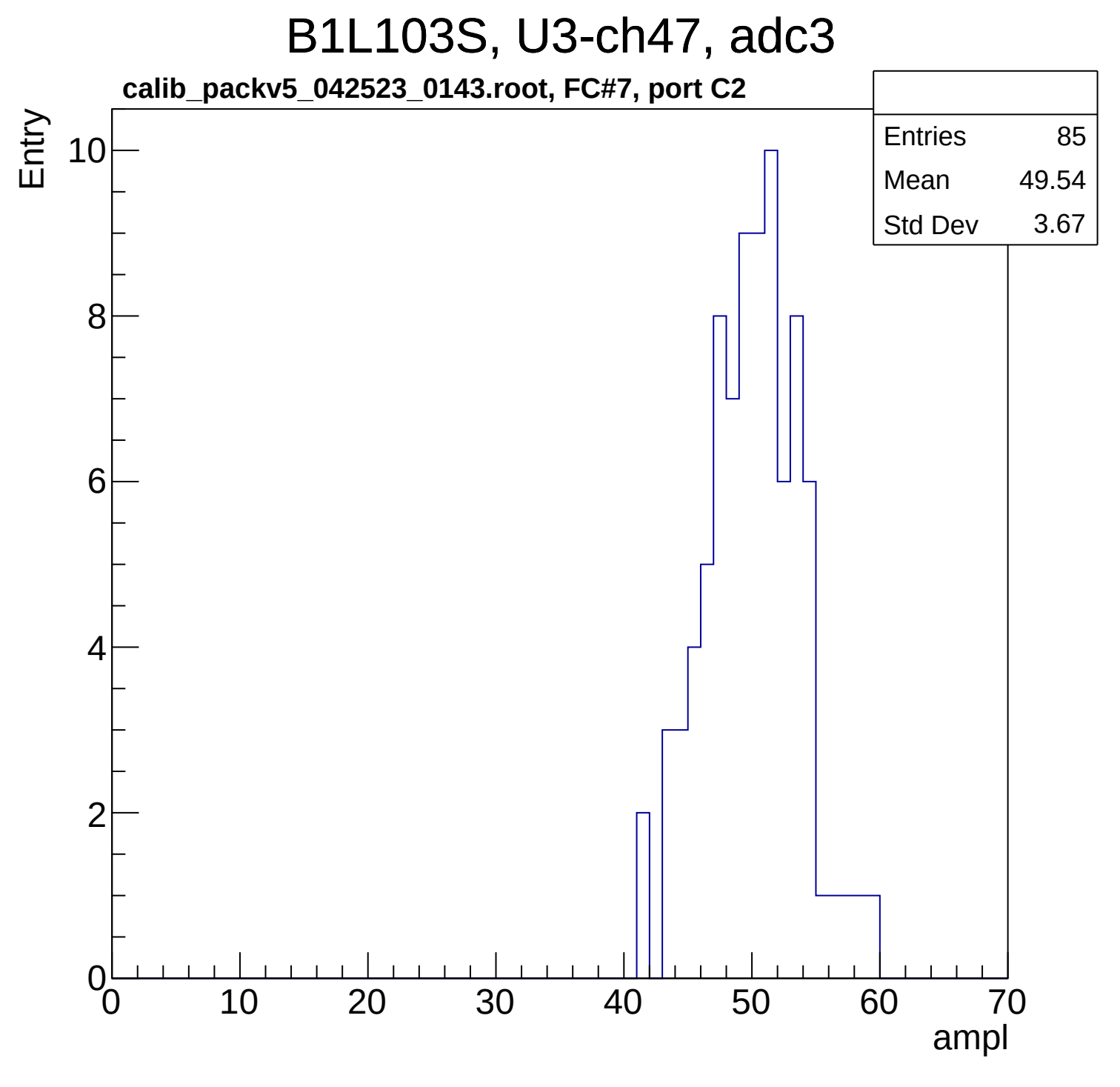

B1L103S, U3-ch47, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 42.54
Std Dev 3.196
Gaus mean : 42.7327
Gaus Width: 3.0530
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch47, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 85
Mean 49.54
Std Dev 3.67
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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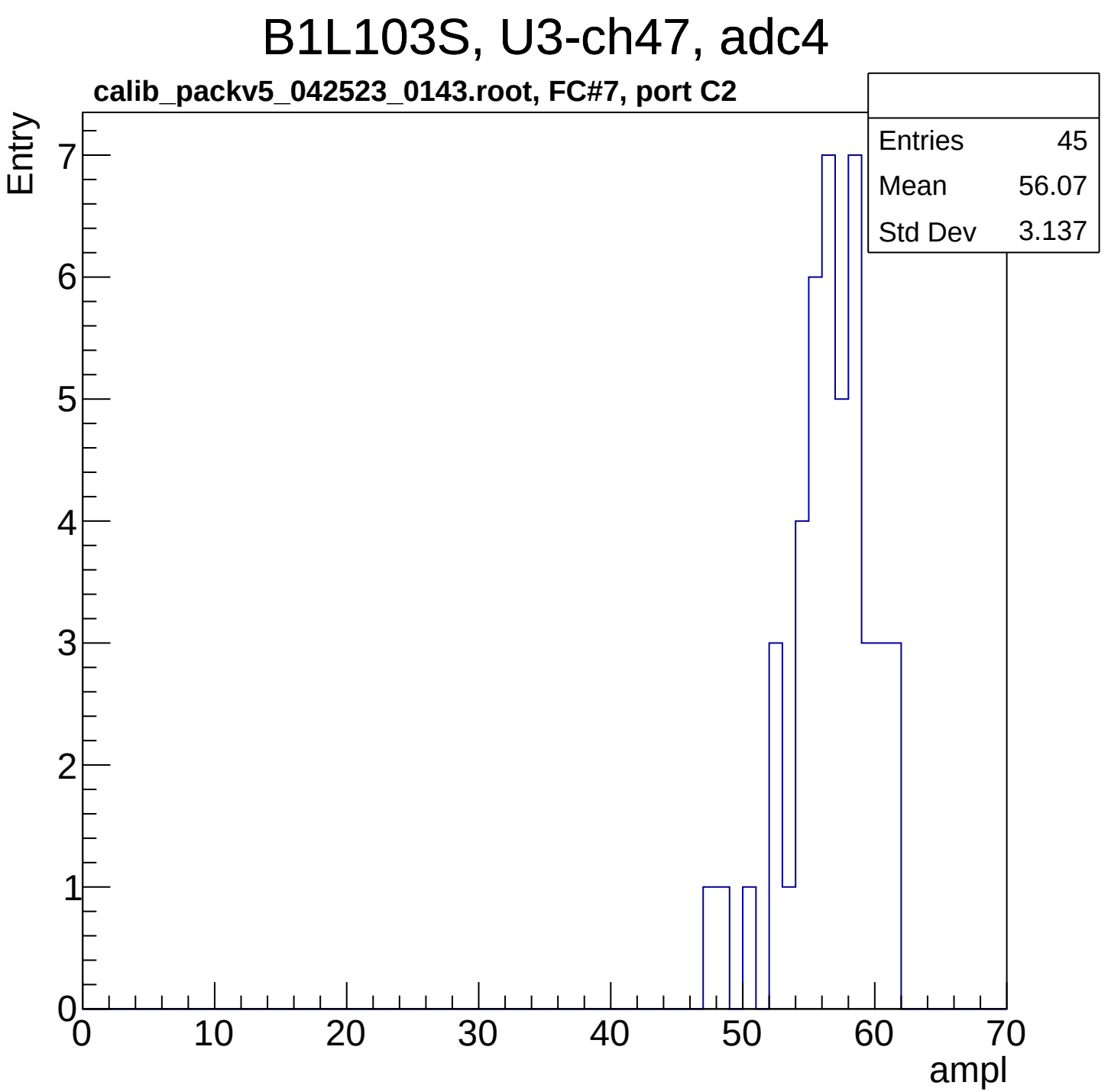
B1L103S, U3-ch47, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 56.07
Std Dev 3.137
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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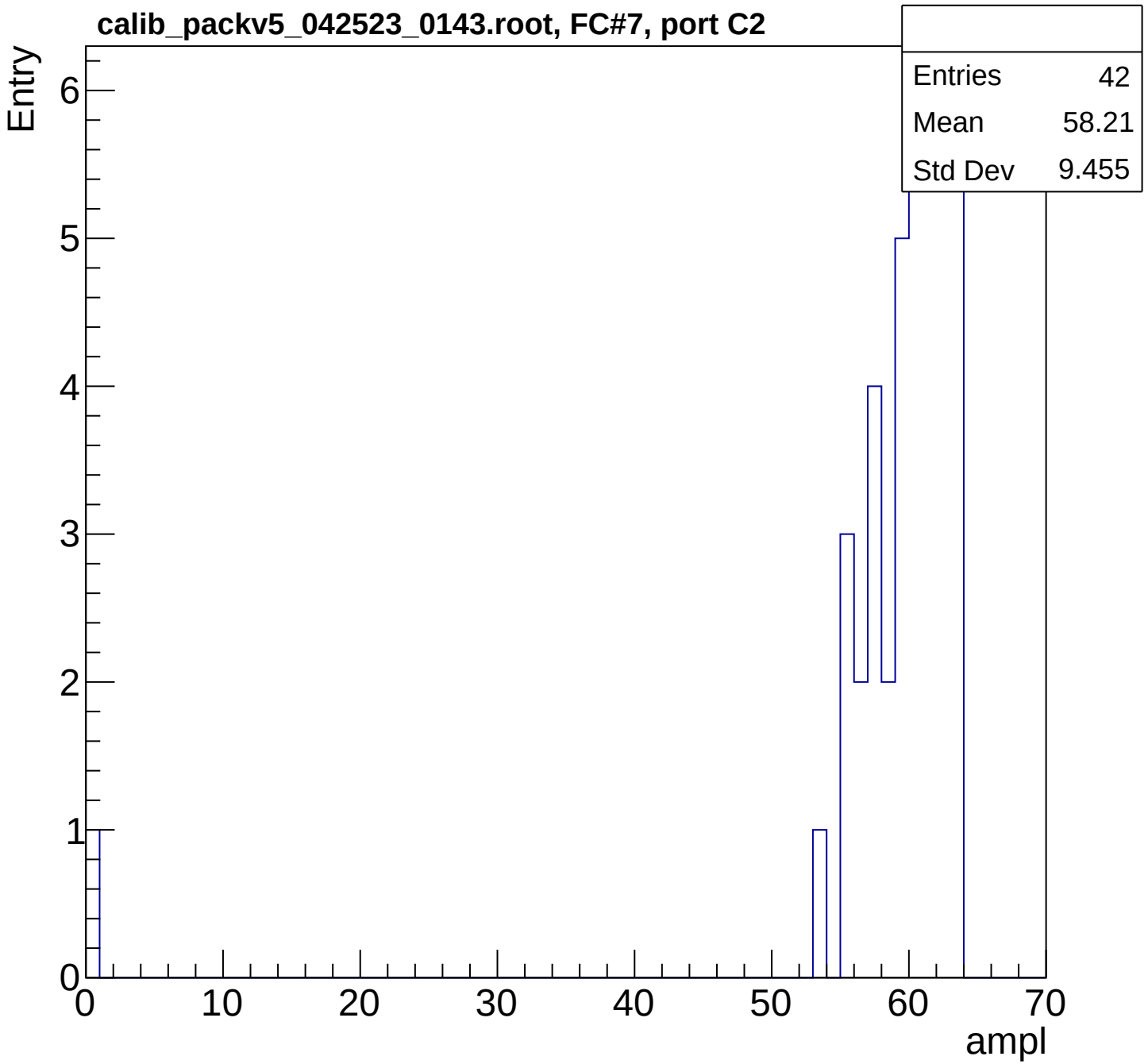
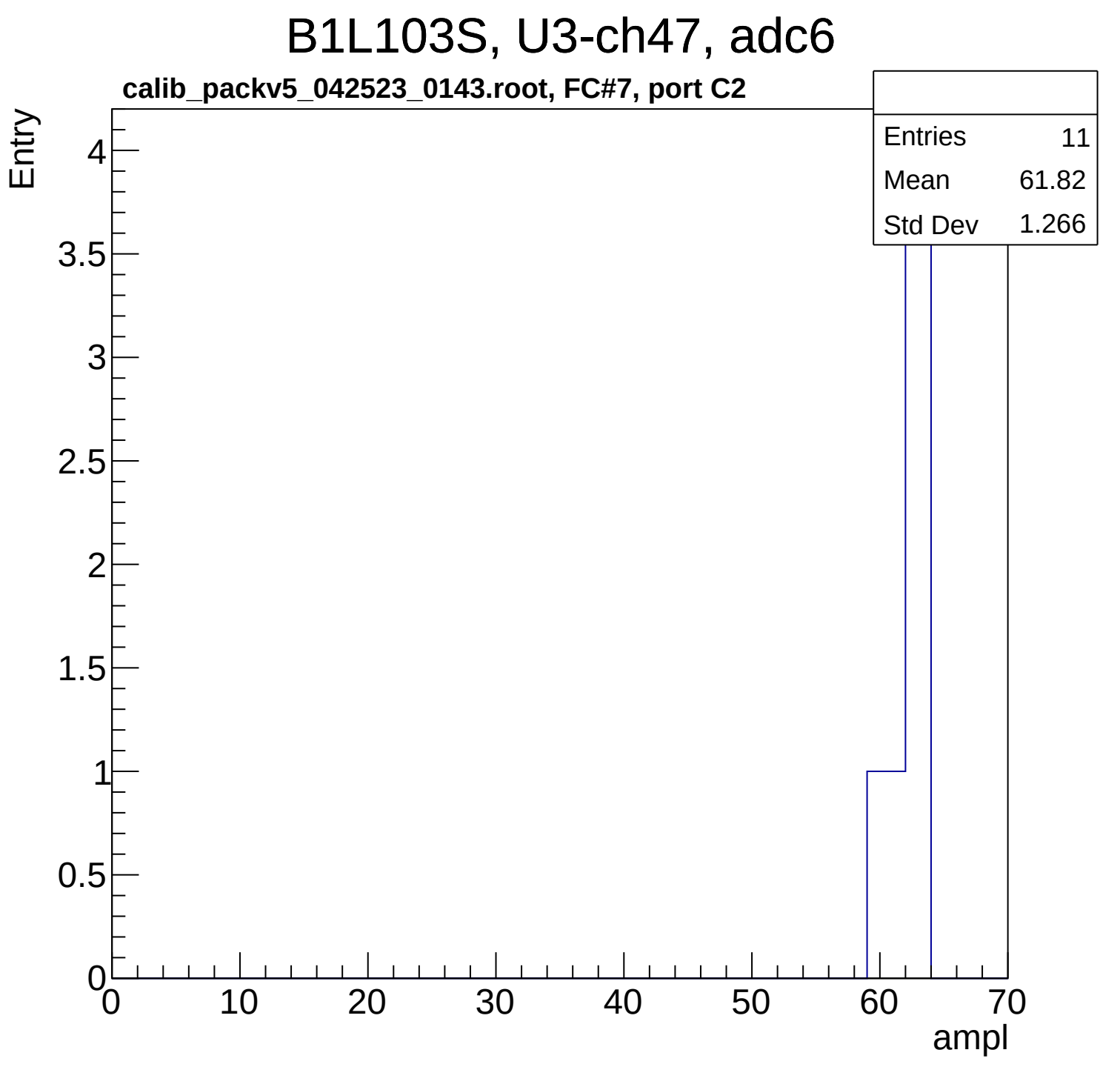
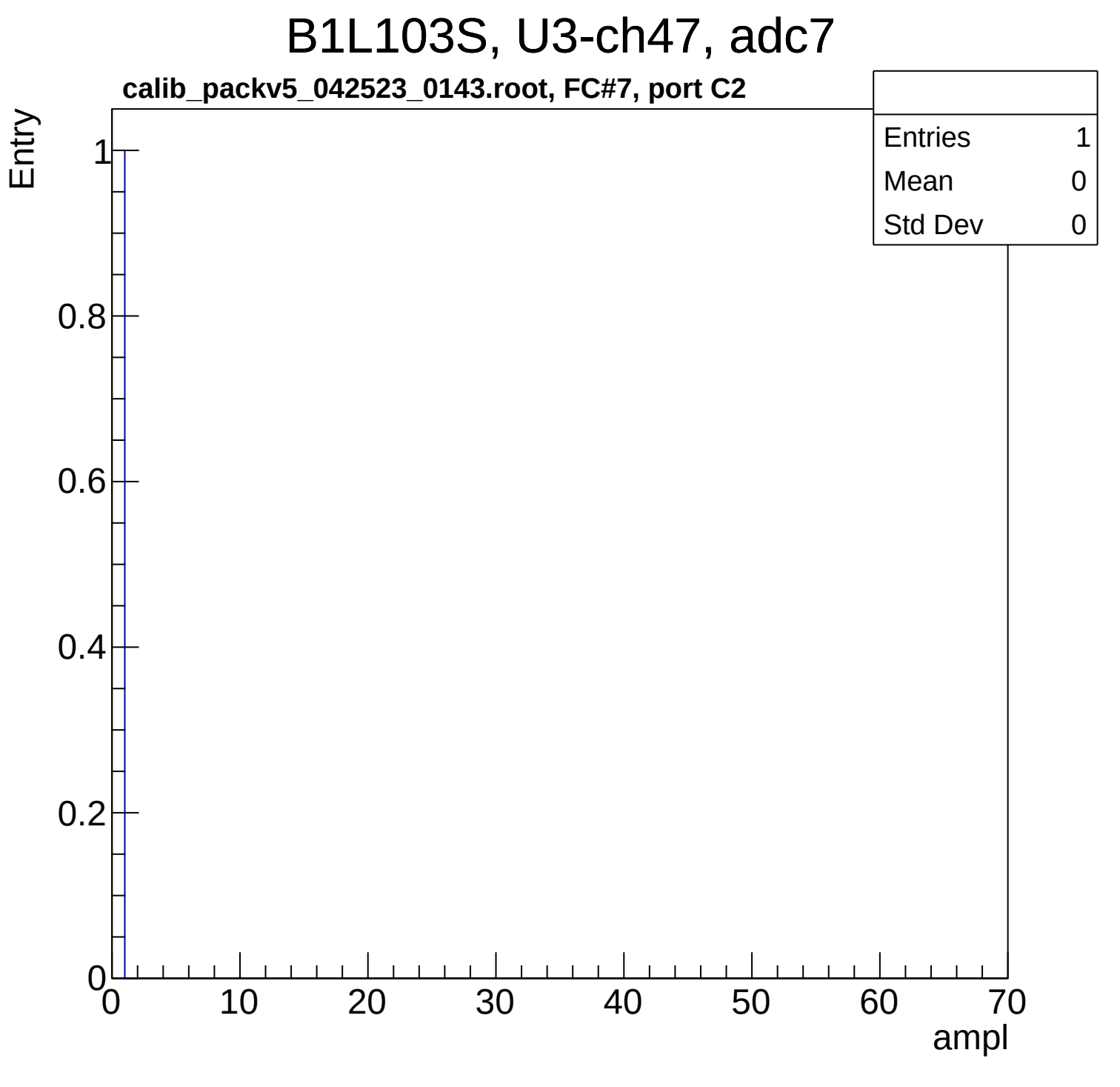
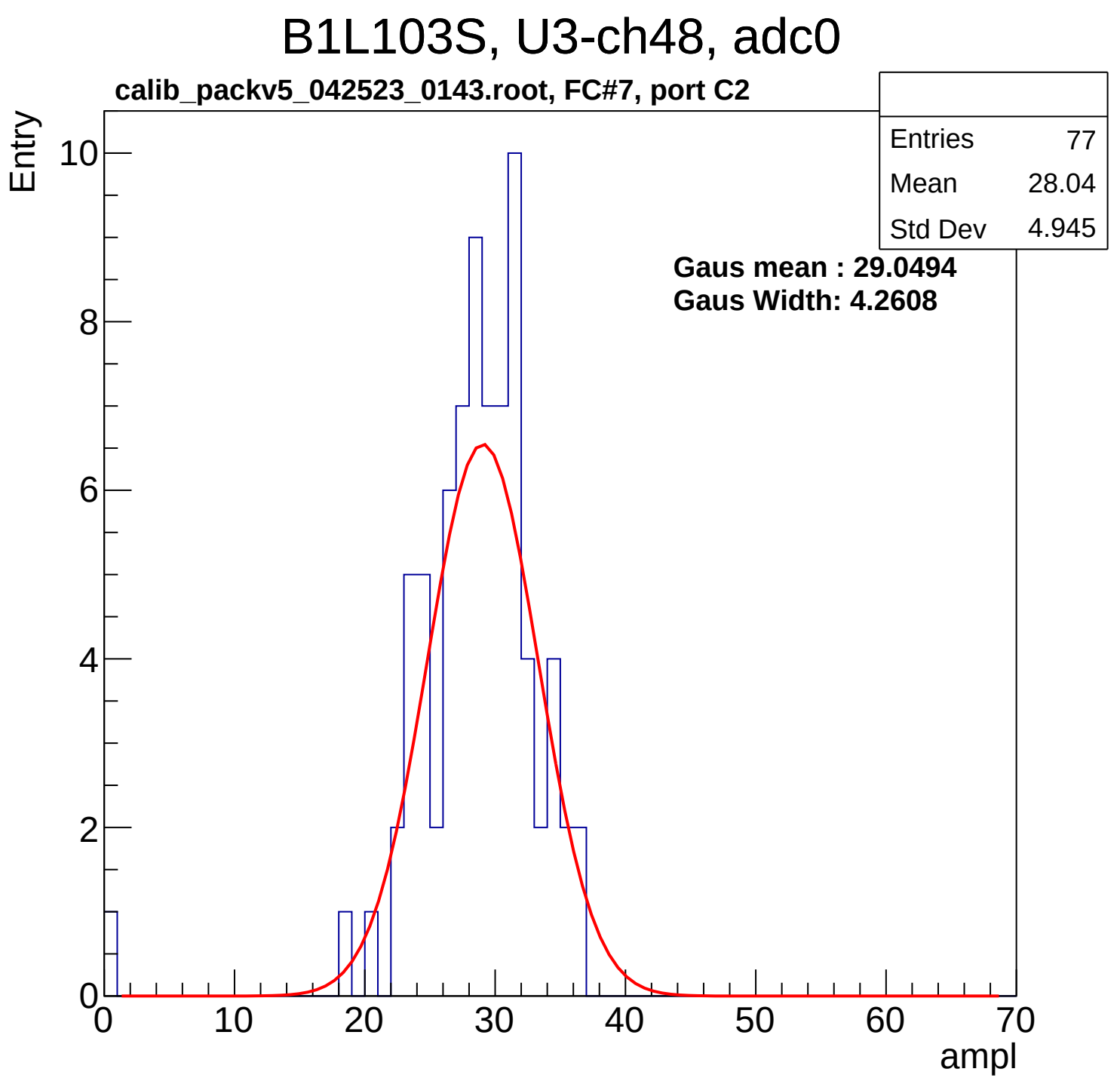
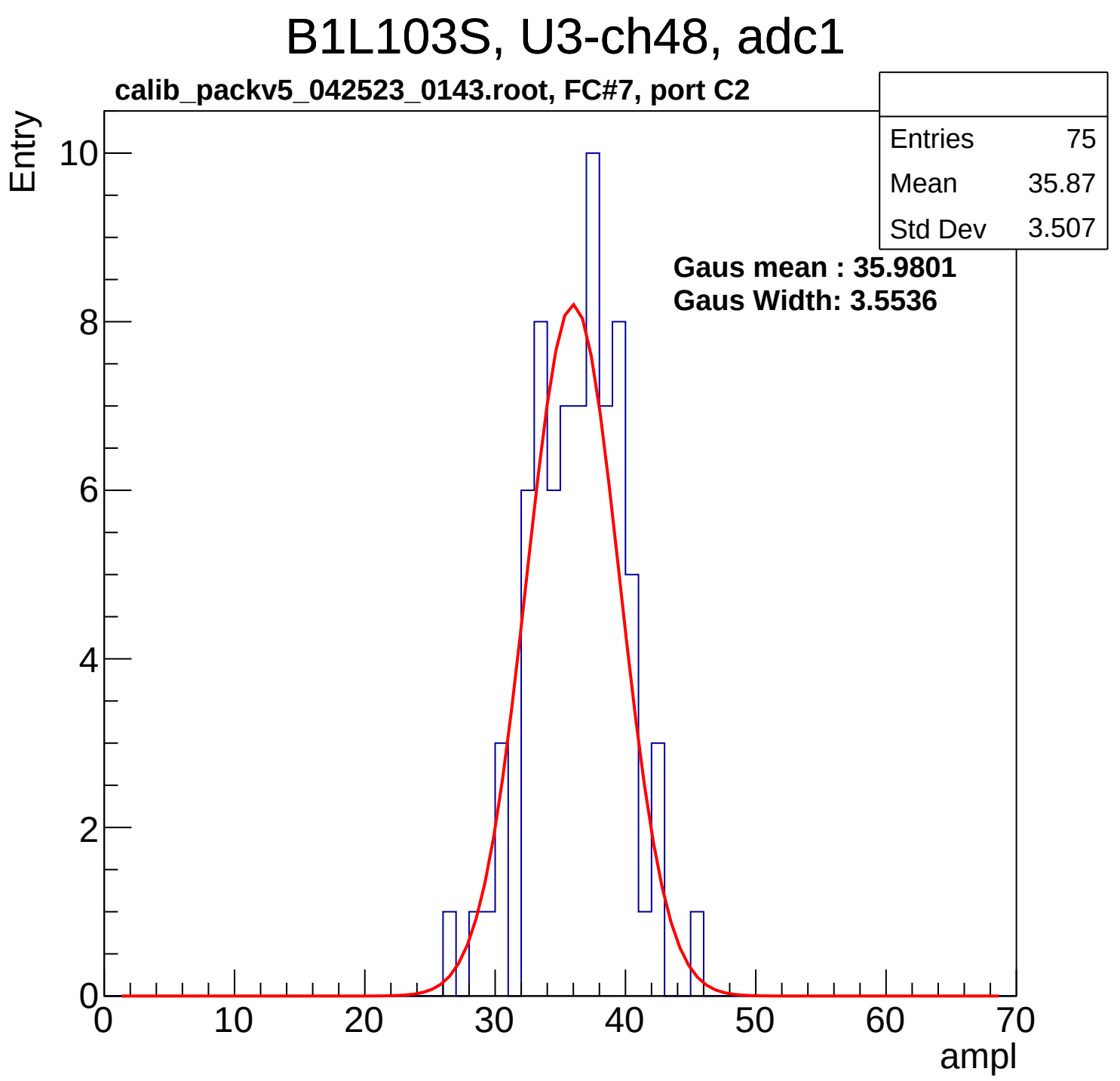
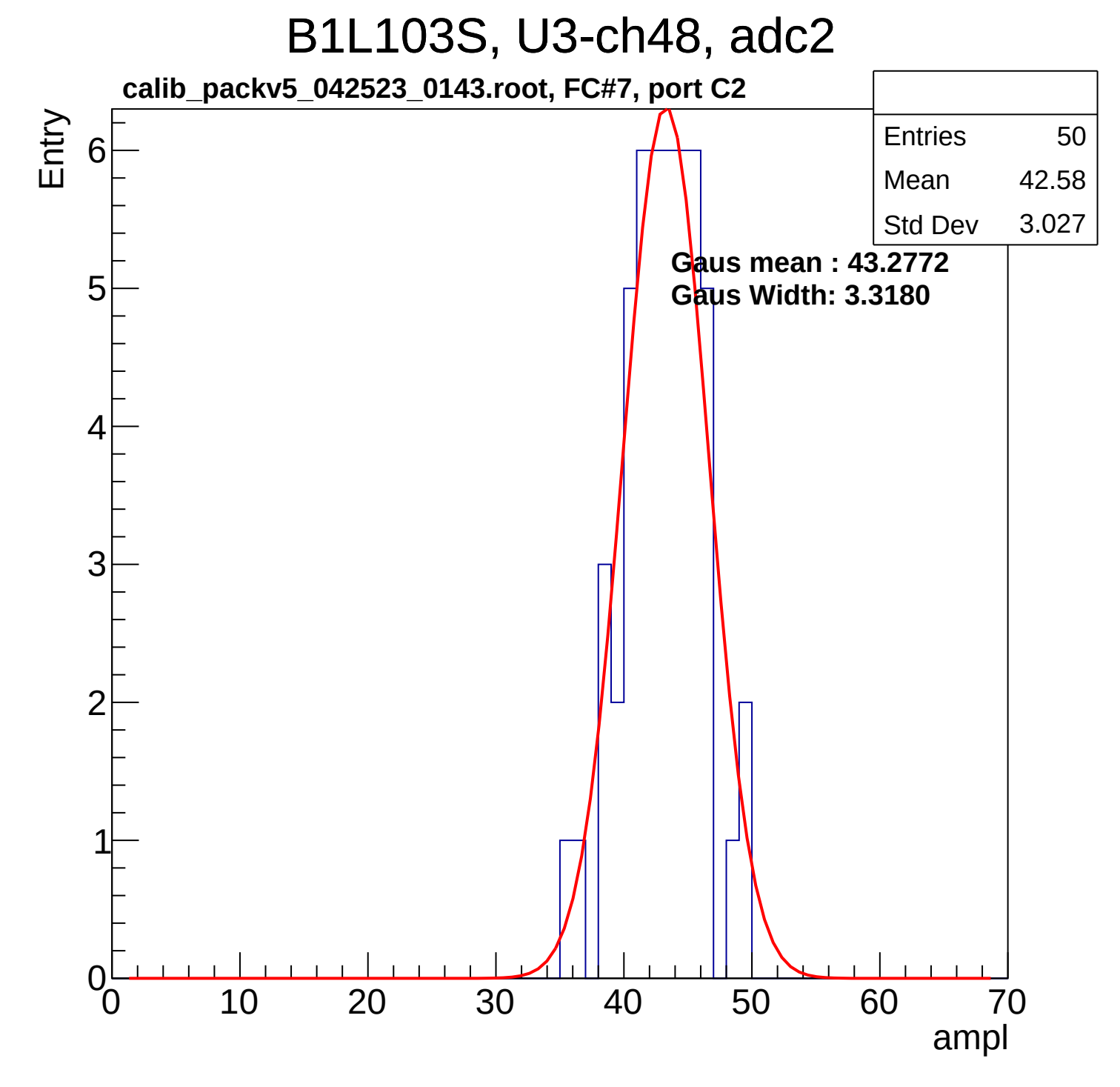

B1L103S, U3-ch47, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 58.21
Std Dev 9.455
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

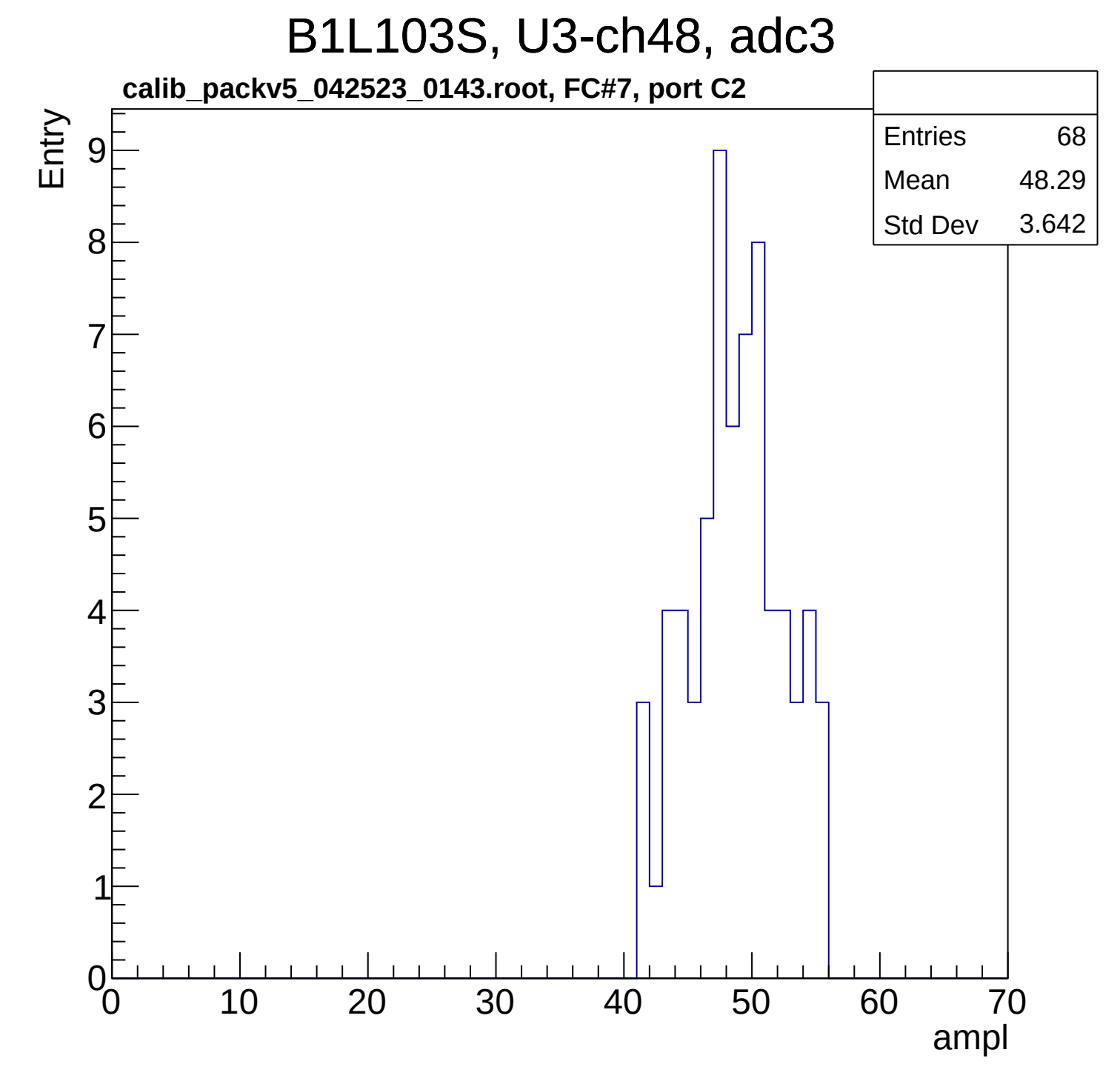

B1L103S, U3-ch47, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 61.82
Std Dev 1.266
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch47, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch48, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 28.04
Std Dev 4.945
Gaus mean : 29.0494
Gaus Width: 4.2608
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch48, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 35.87
Std Dev 3.507
Gaus mean : 35.9801
Gaus Width: 3.5536
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch48, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 42.58
Std Dev 3.027
Gaus mean : 43.2772
Gaus Width: 3.3180
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch48, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 48.29
Std Dev 3.642
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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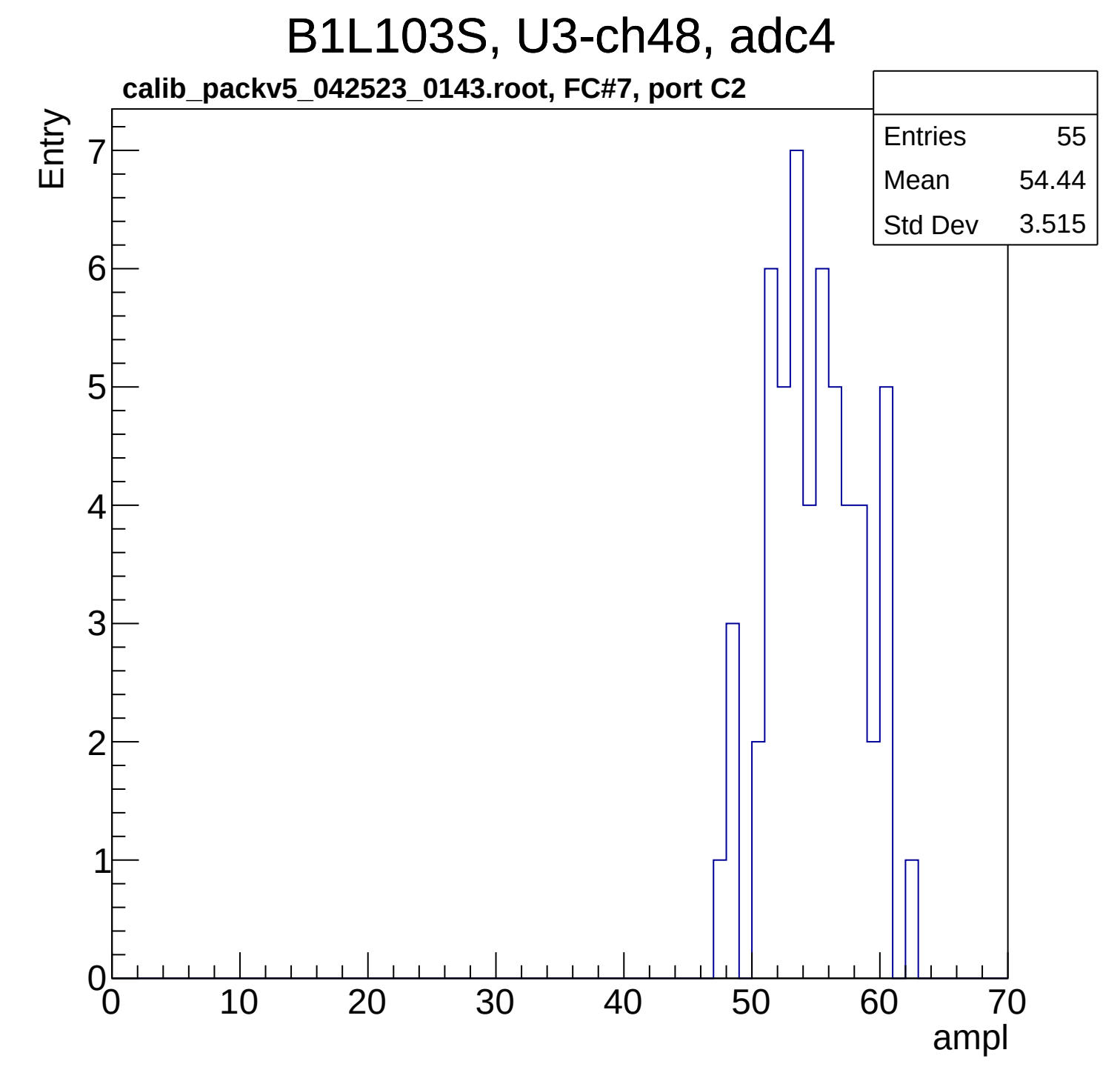
B1L103S, U3-ch48, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 54.44
Std Dev 3.515
Entry
ampl
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1
2
3
4
5
6
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0
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20
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40
50
60
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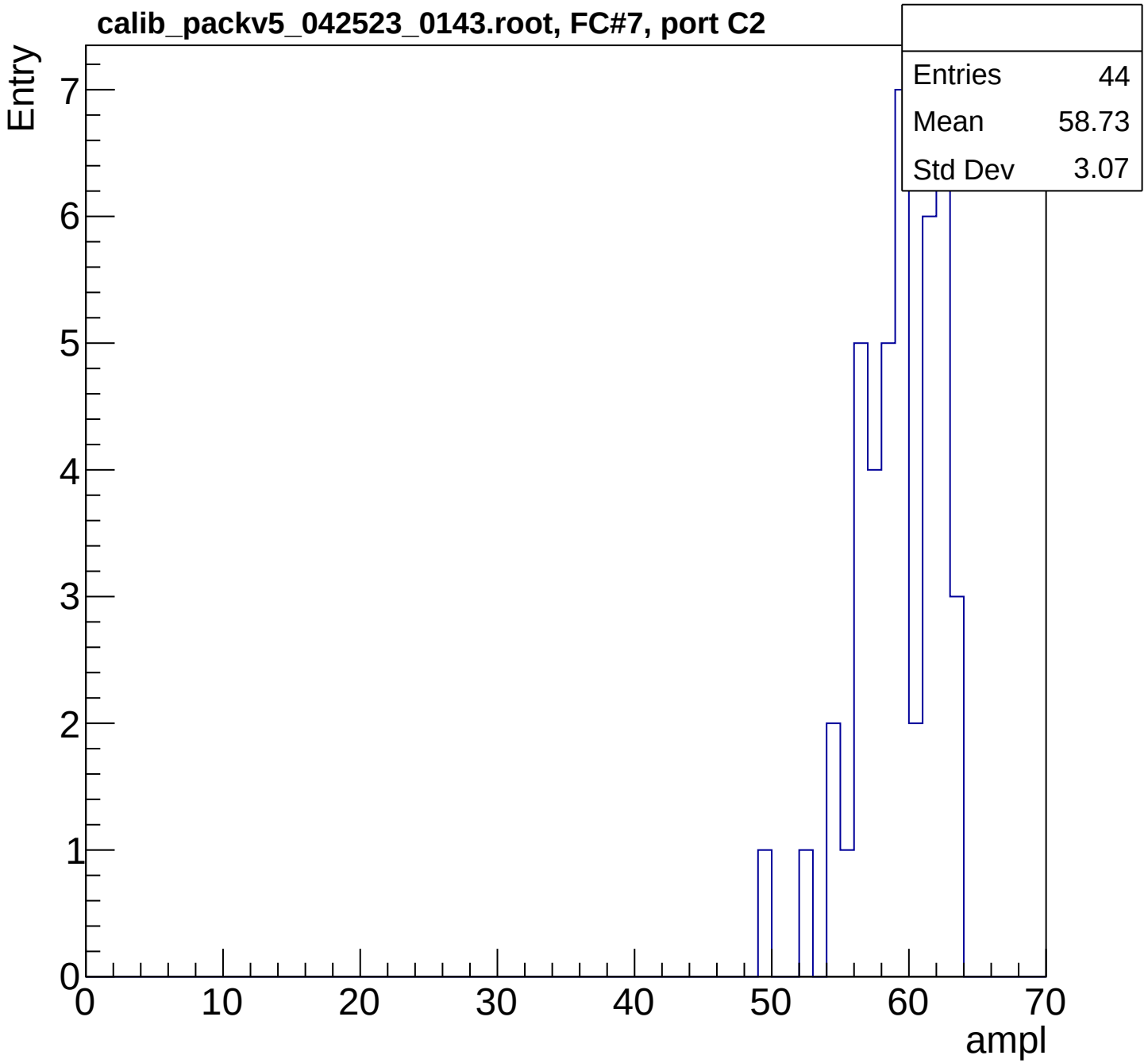
B1L103S, U3-ch48, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.73
Std Dev 3.07
Entry
ampl
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1
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3
4
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6
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0
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20
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60
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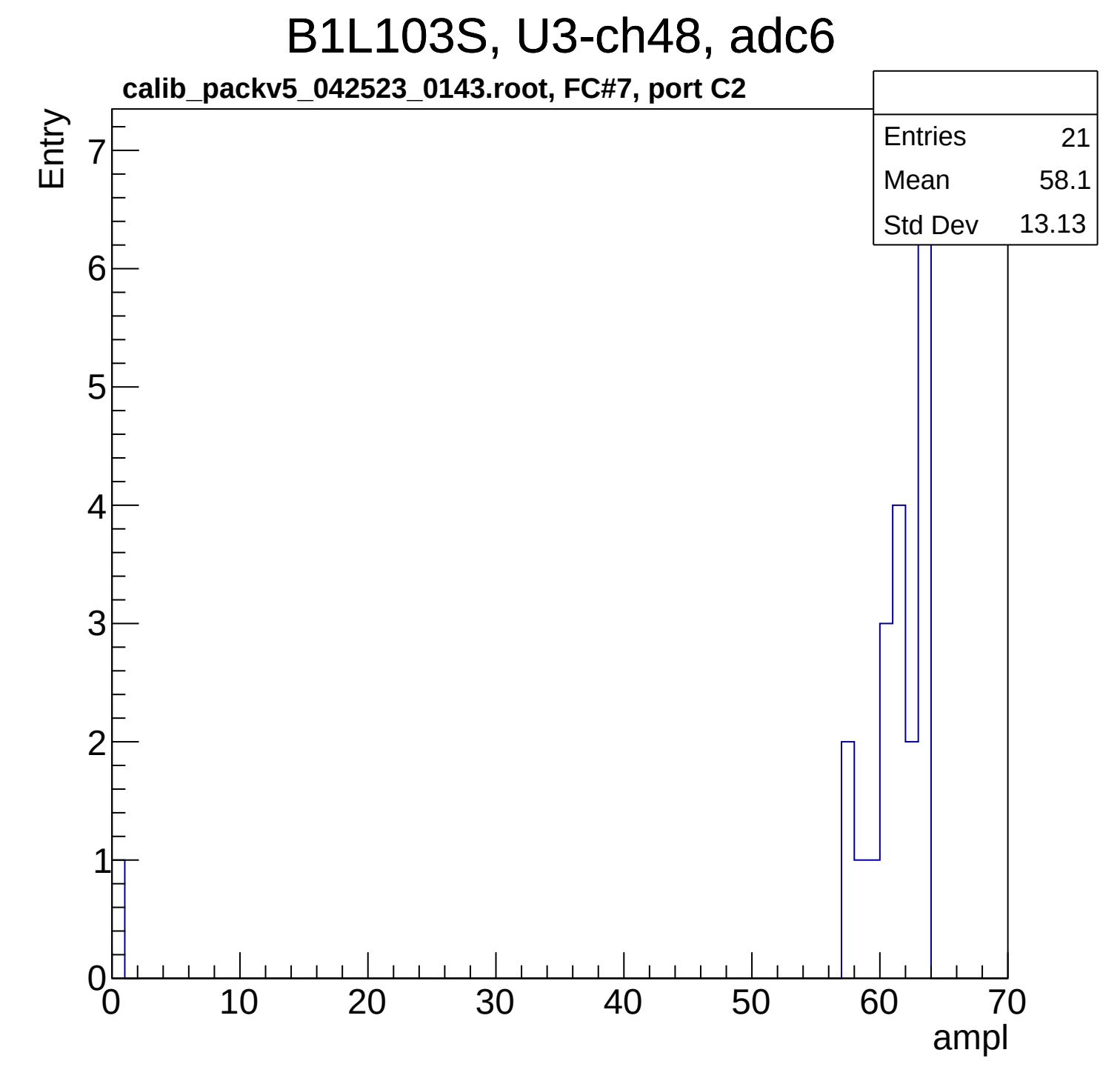
B1L103S, U3-ch48, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 21
Mean 58.1
Std Dev 13.13
Entry
ampl
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1
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4
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0
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60
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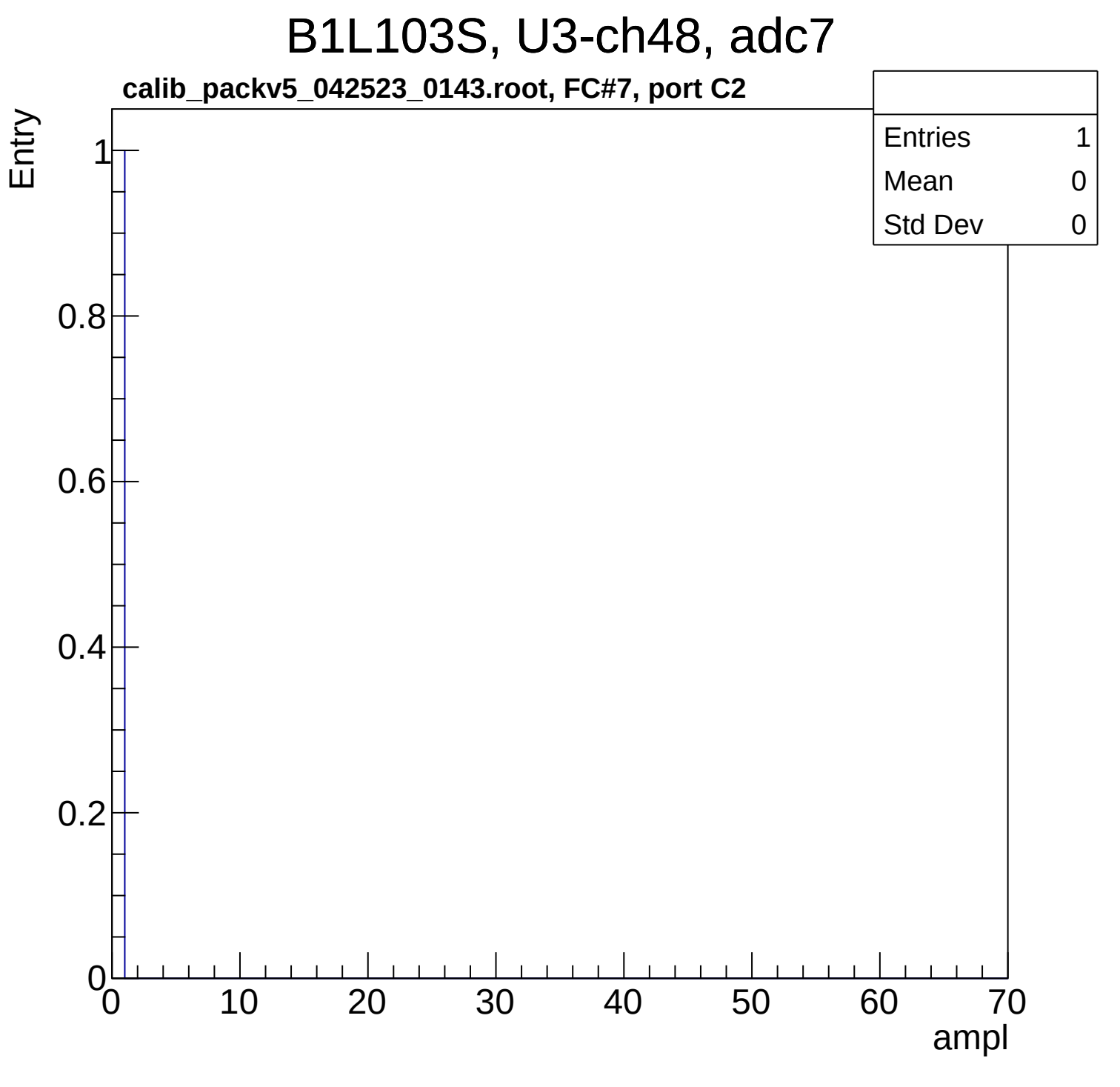
B1L103S, U3-ch48, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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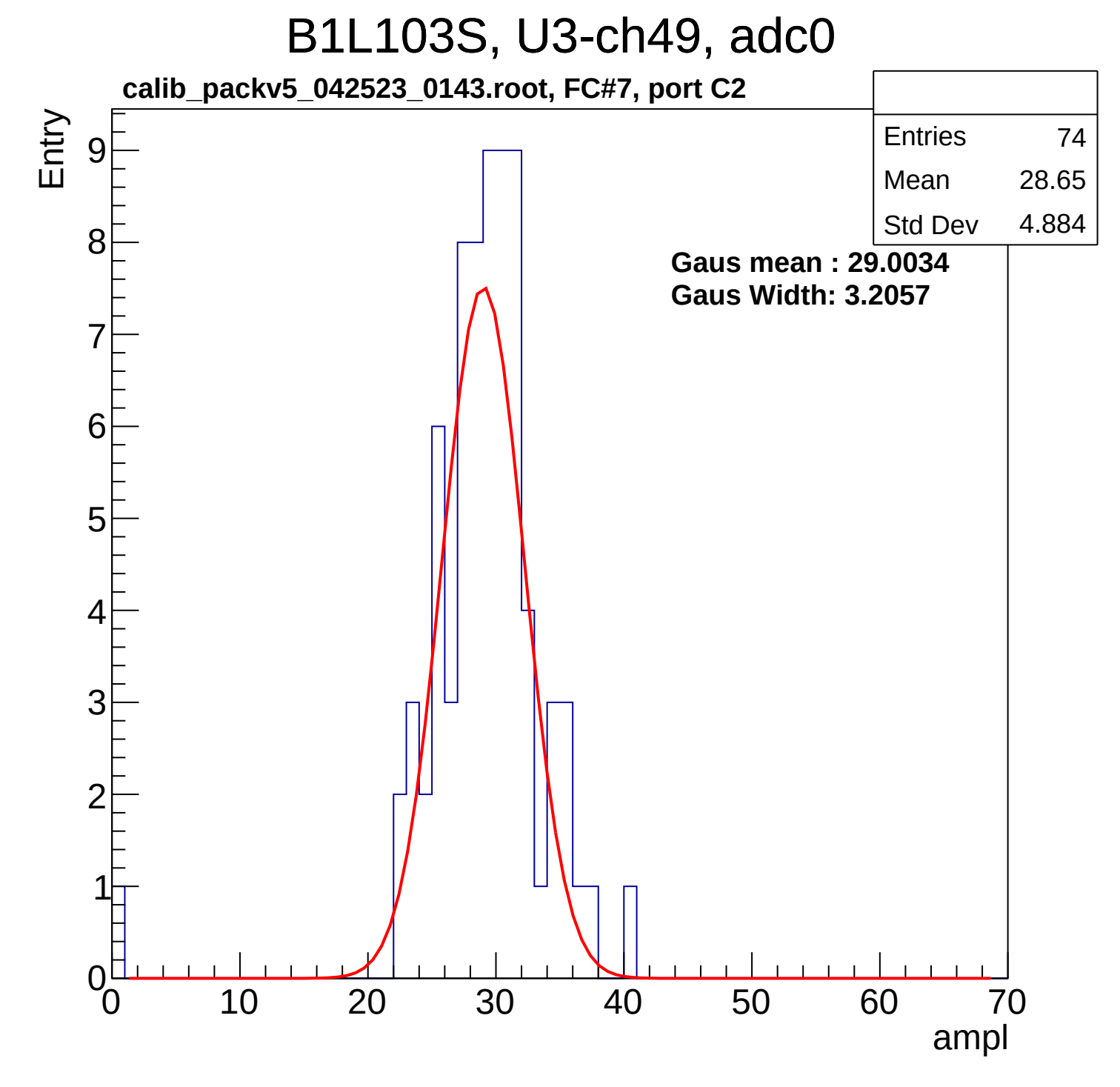
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch49, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 28.65
Std Dev 4.884
Gaus mean : 29.0034
Gaus Width: 3.2057
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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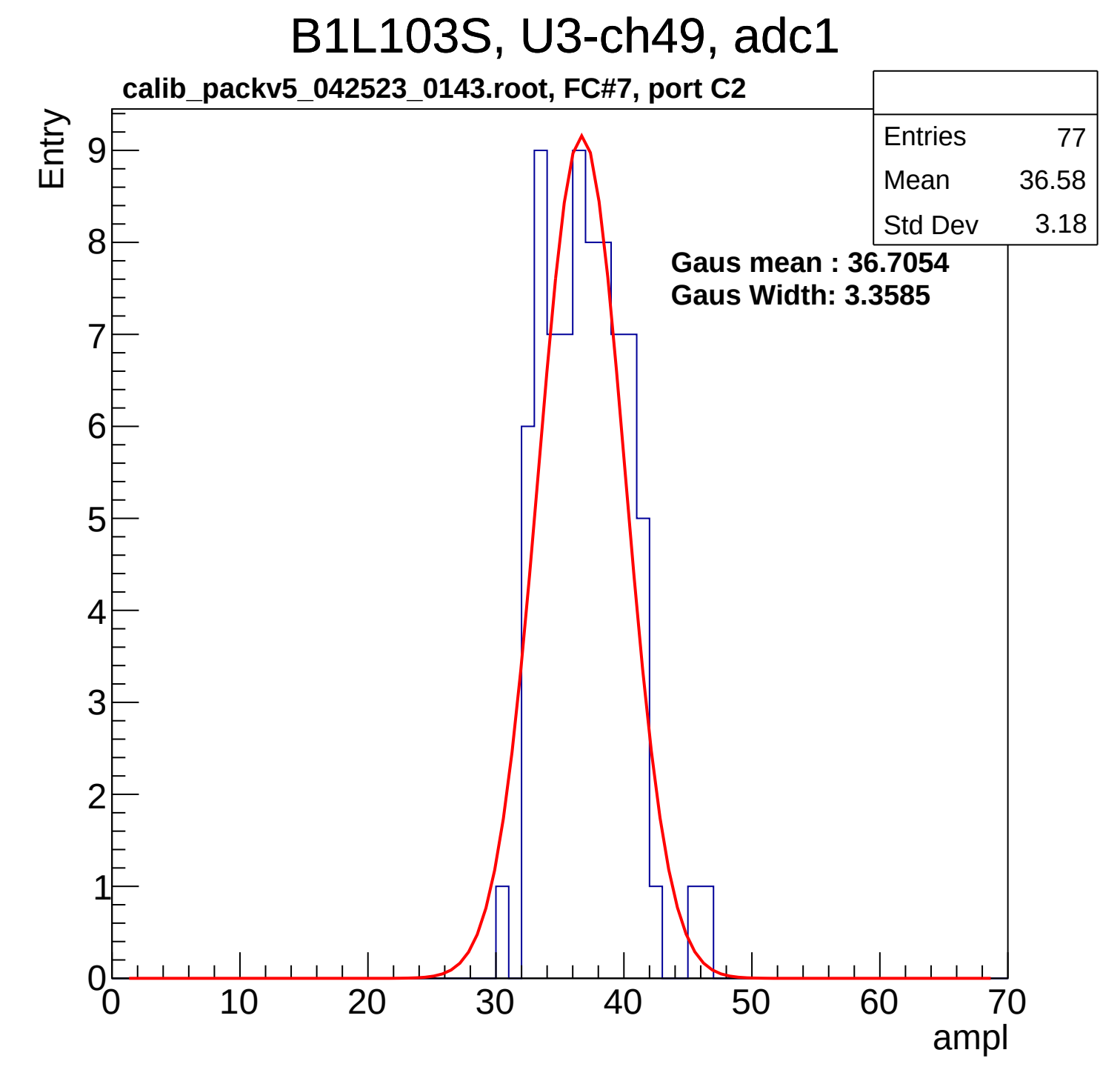
B1L103S, U3-ch49, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 36.58
Std Dev 3.18
Gaus mean : 36.7054
Gaus Width: 3.3585
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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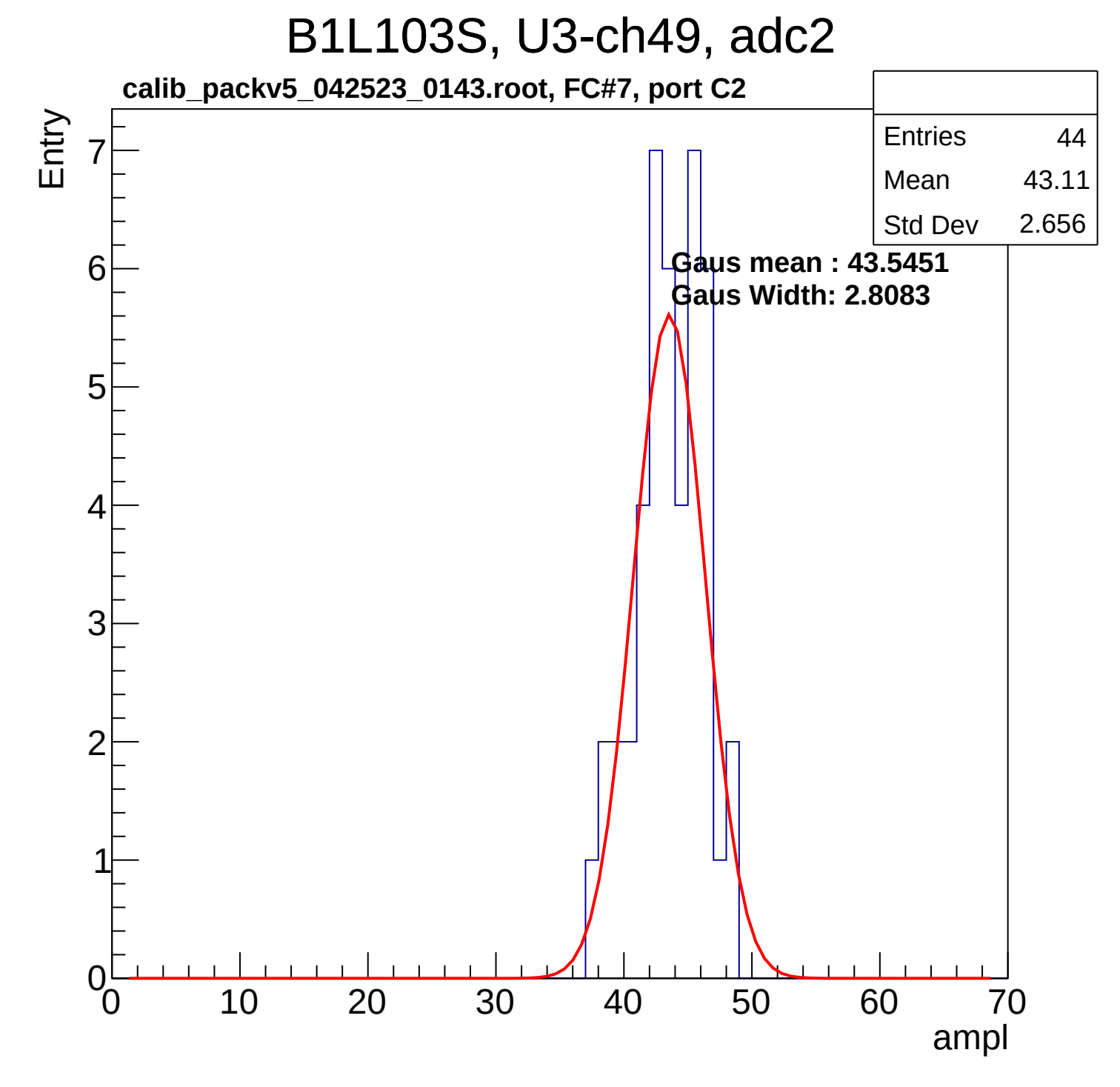
B1L103S, U3-ch49, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 43.11
Std Dev 2.656
Gaus mean : 43.5451
Gaus Width: 2.8083
Entry
ampl
0
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2
3
4
5
6
7
0
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20
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40
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60
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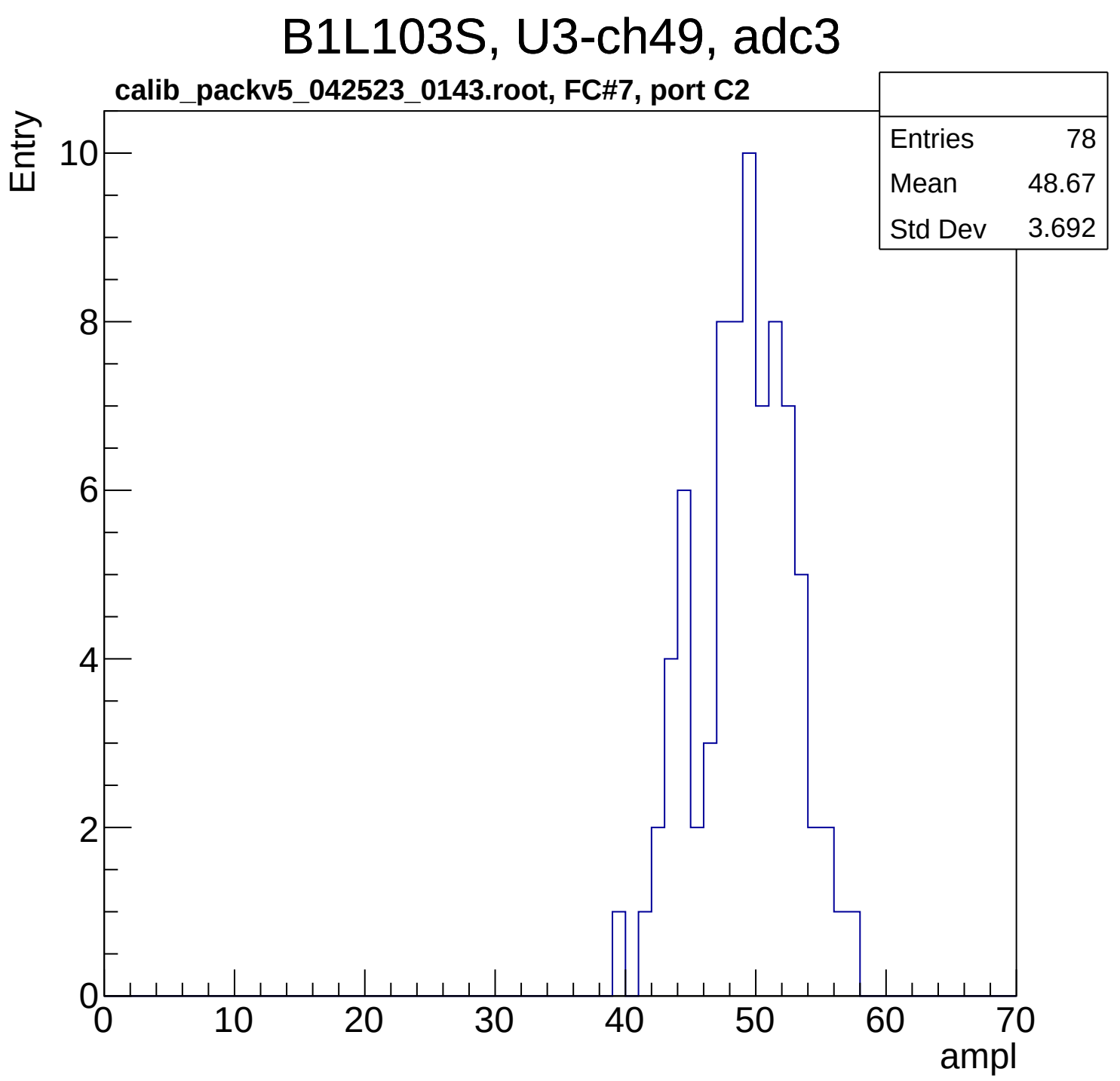
B1L103S, U3-ch49, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 78
Mean 48.67
Std Dev 3.692
Entry
ampl
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4
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8
10
0
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20
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40
50
60
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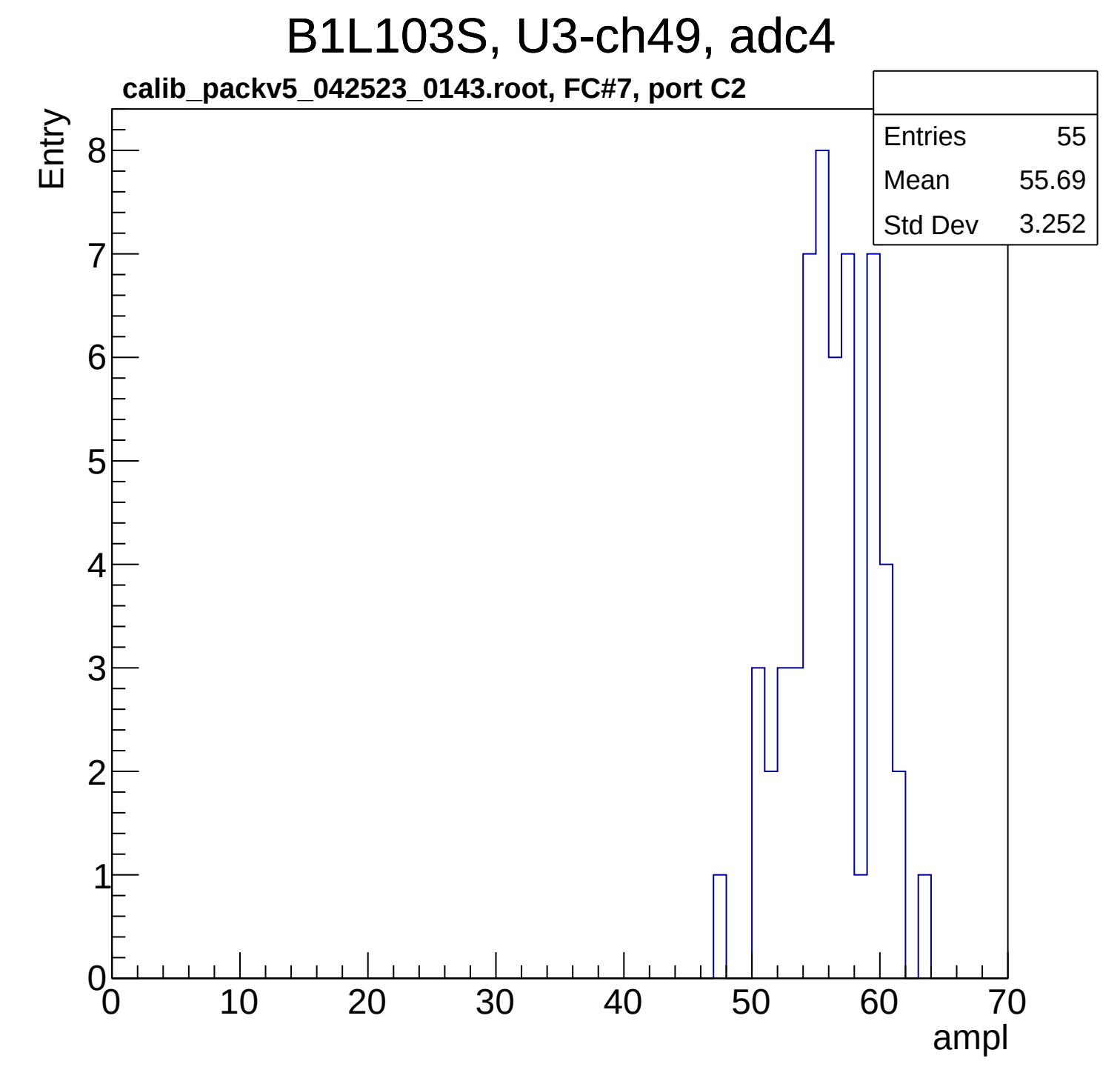
B1L103S, U3-ch49, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 55.69
Std Dev 3.252
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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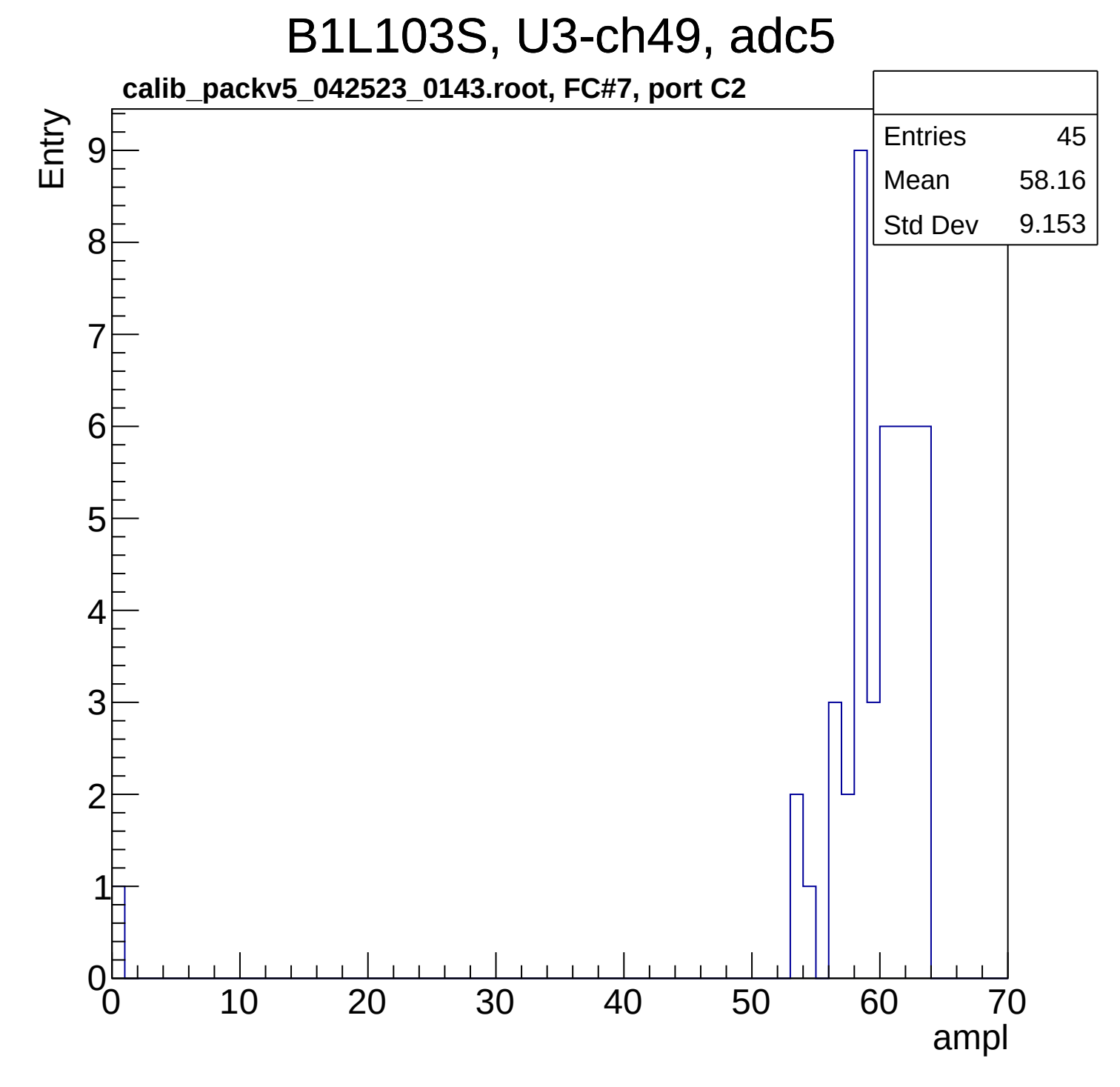
B1L103S, U3-ch49, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 58.16
Std Dev 9.153
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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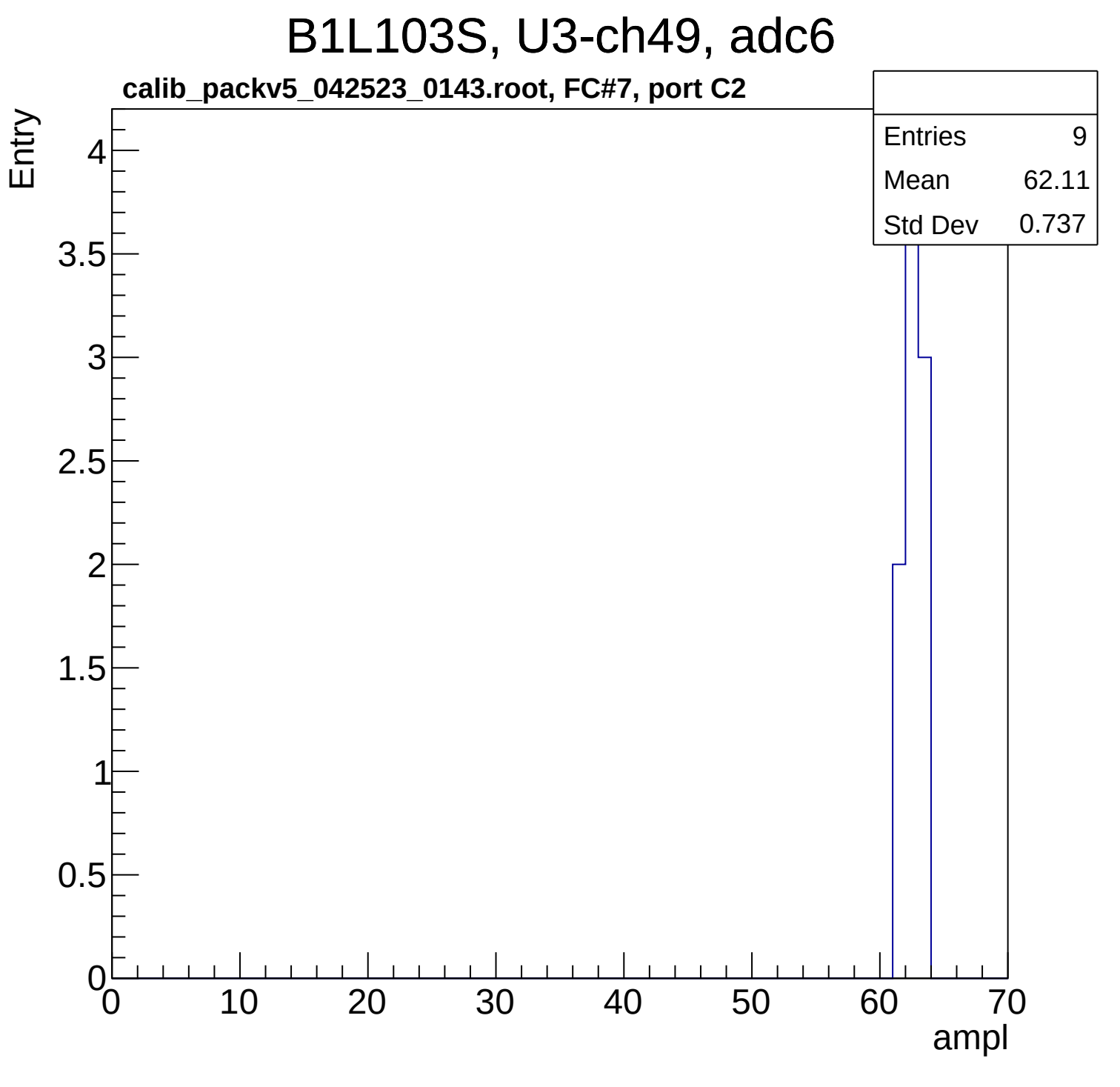
B1L103S, U3-ch49, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 62.11
Std Dev 0.737
Entry
ampl
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1.5
2
2.5
3
3.5
4
0
10
20
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40
50
60
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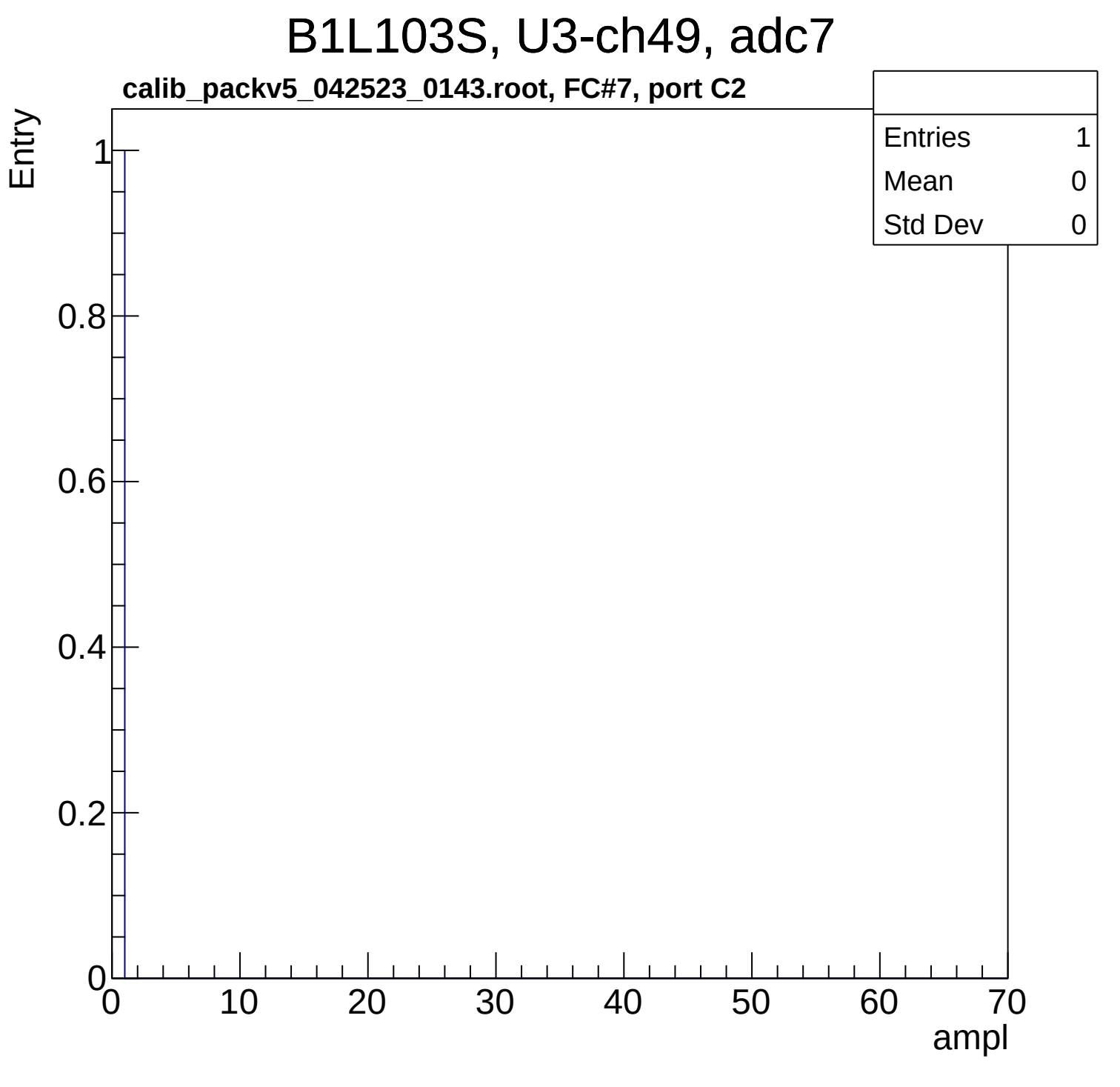
B1L103S, U3-ch49, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
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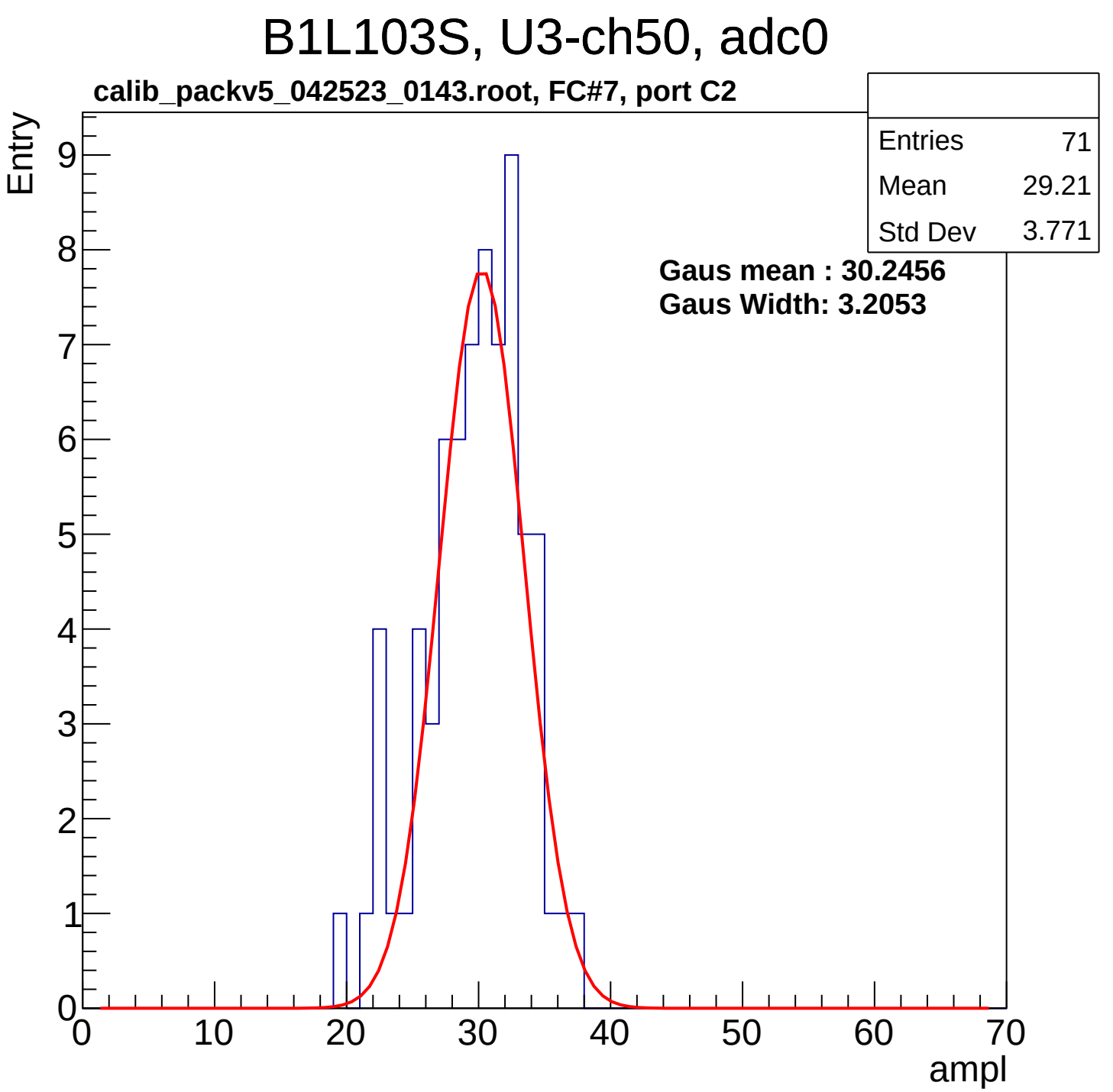
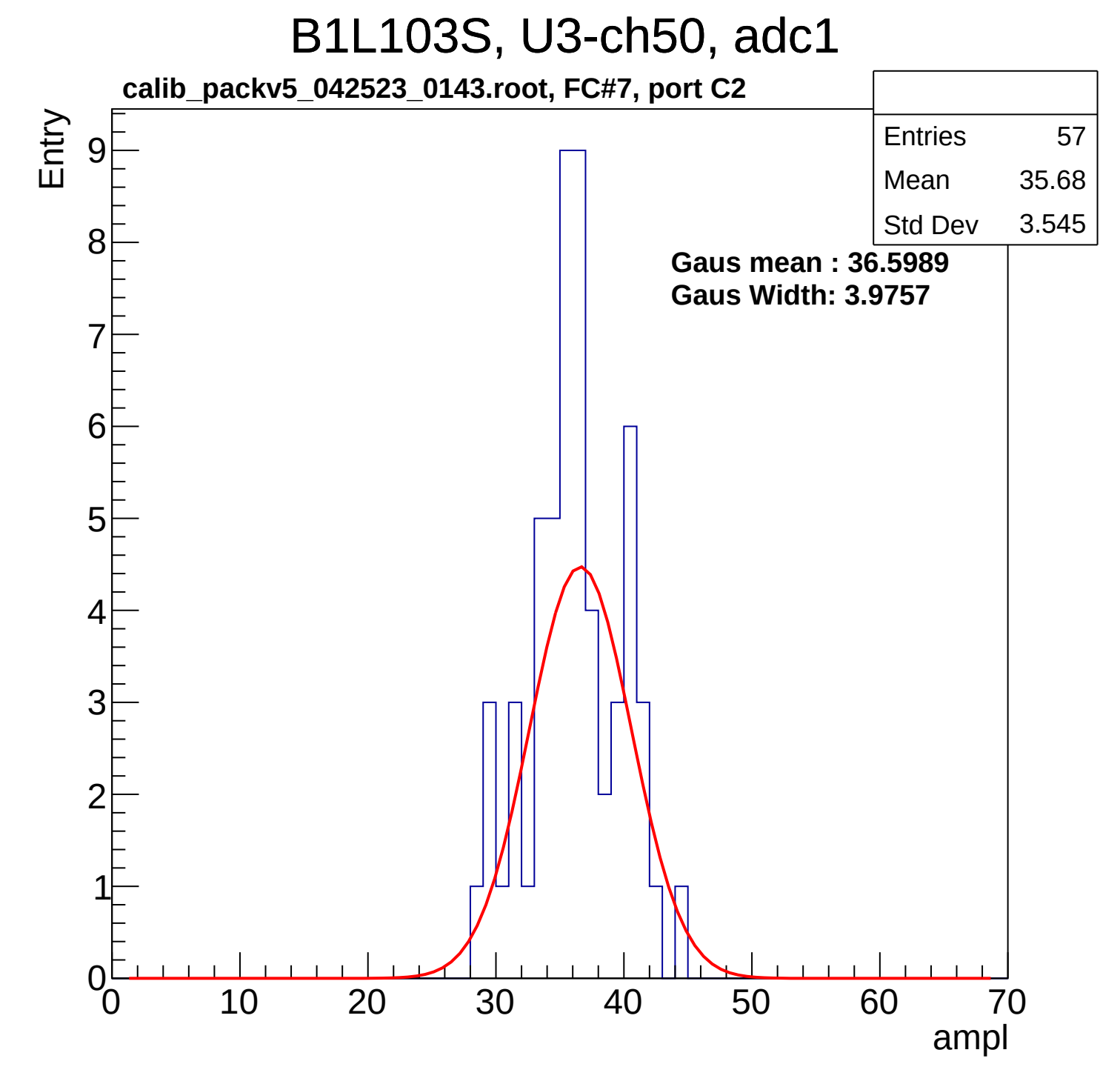
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch50, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 29.21
Std Dev 3.771
Gaus mean : 30.2456
Gaus Width: 3.2053
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch50, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 35.68
Std Dev 3.545
Gaus mean : 36.5989
Gaus Width: 3.9757
Entry
ampl
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2
3
4
5
6
7
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0
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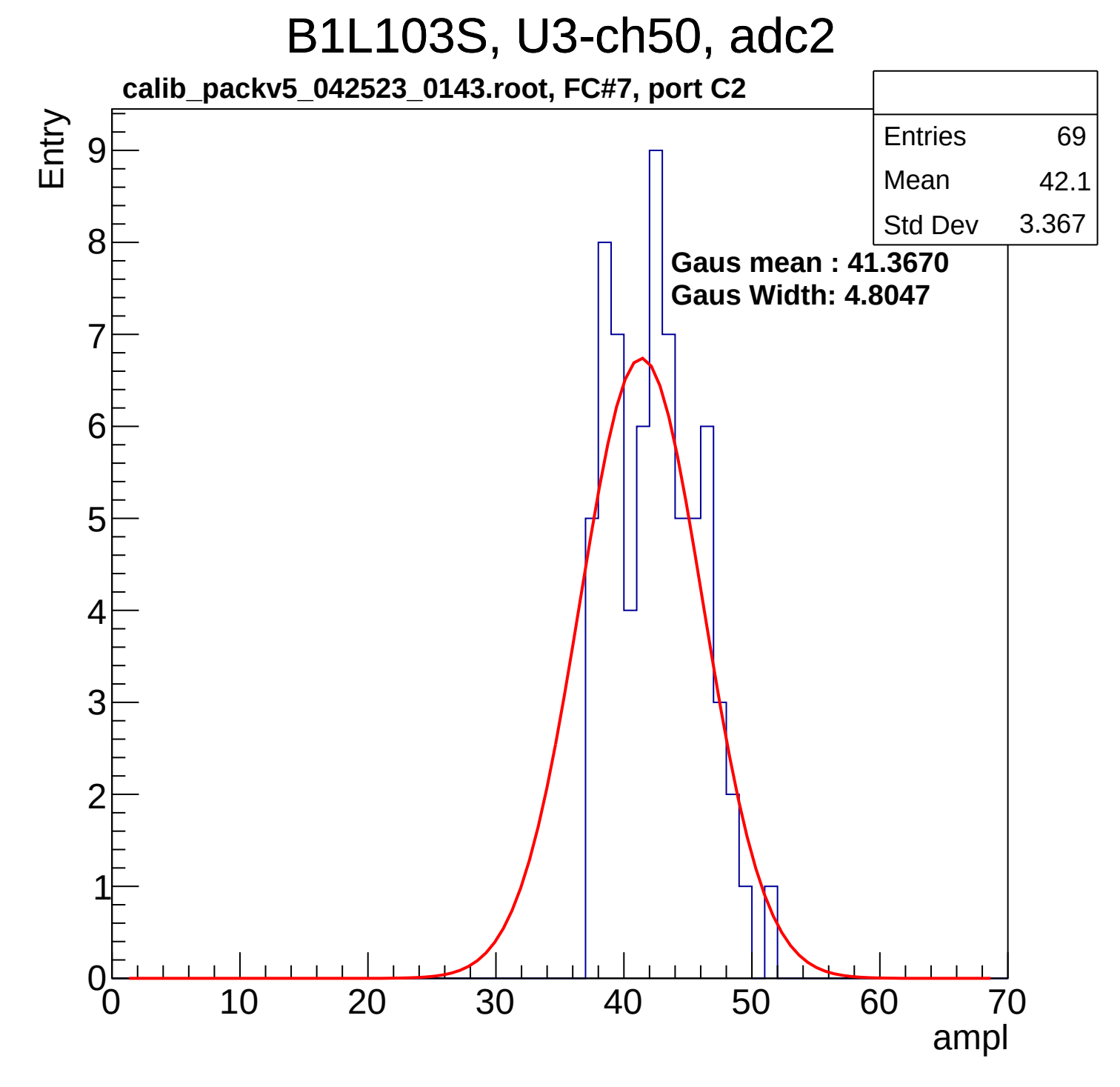
B1L103S, U3-ch50, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 42.1
Std Dev 3.367
Gaus mean : 41.3670
Gaus Width: 4.8047
Entry
ampl
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2
3
4
5
6
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8
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0
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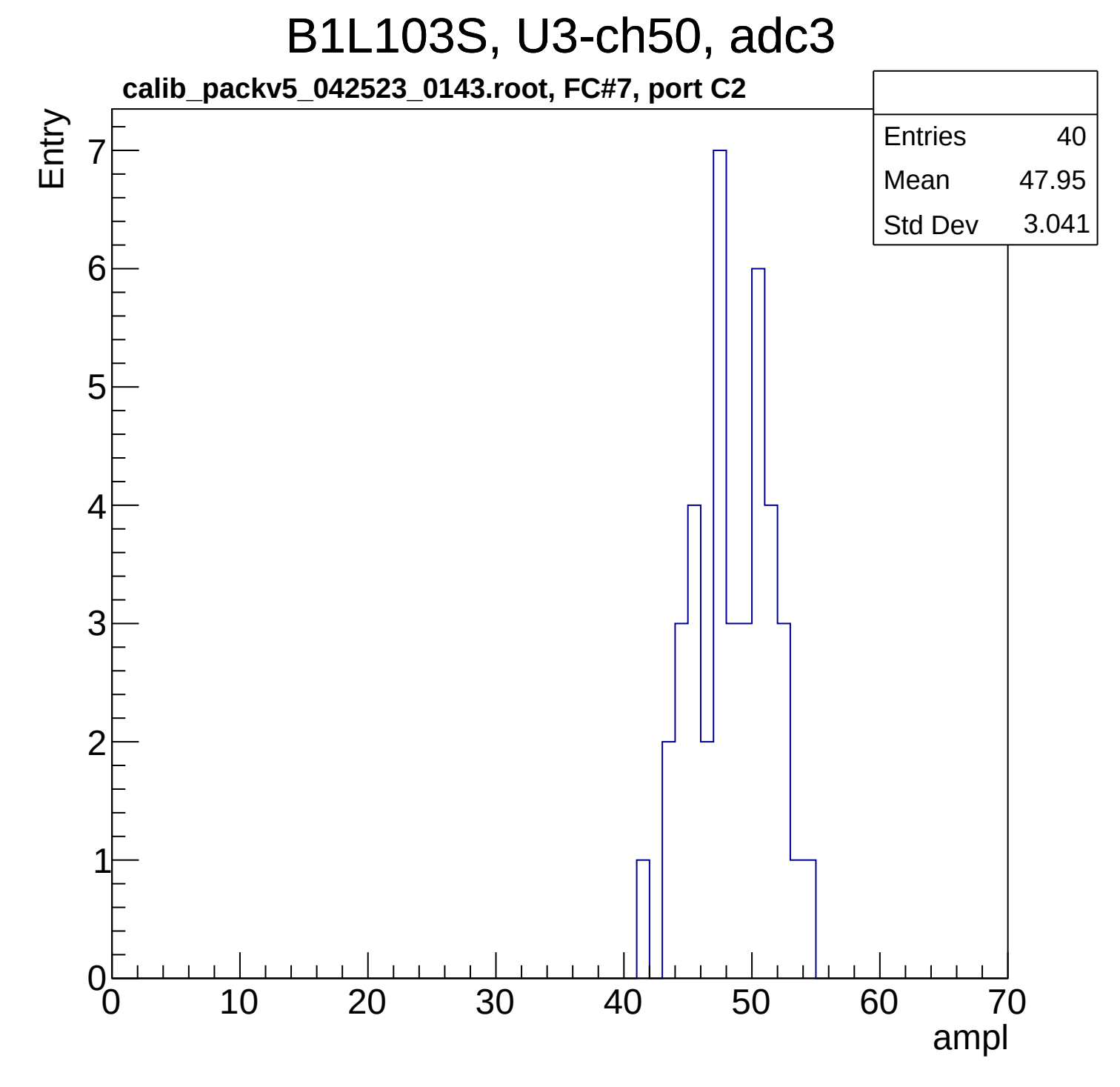
B1L103S, U3-ch50, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 40
Mean 47.95
Std Dev 3.041
Entry
ampl
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1
2
3
4
5
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0
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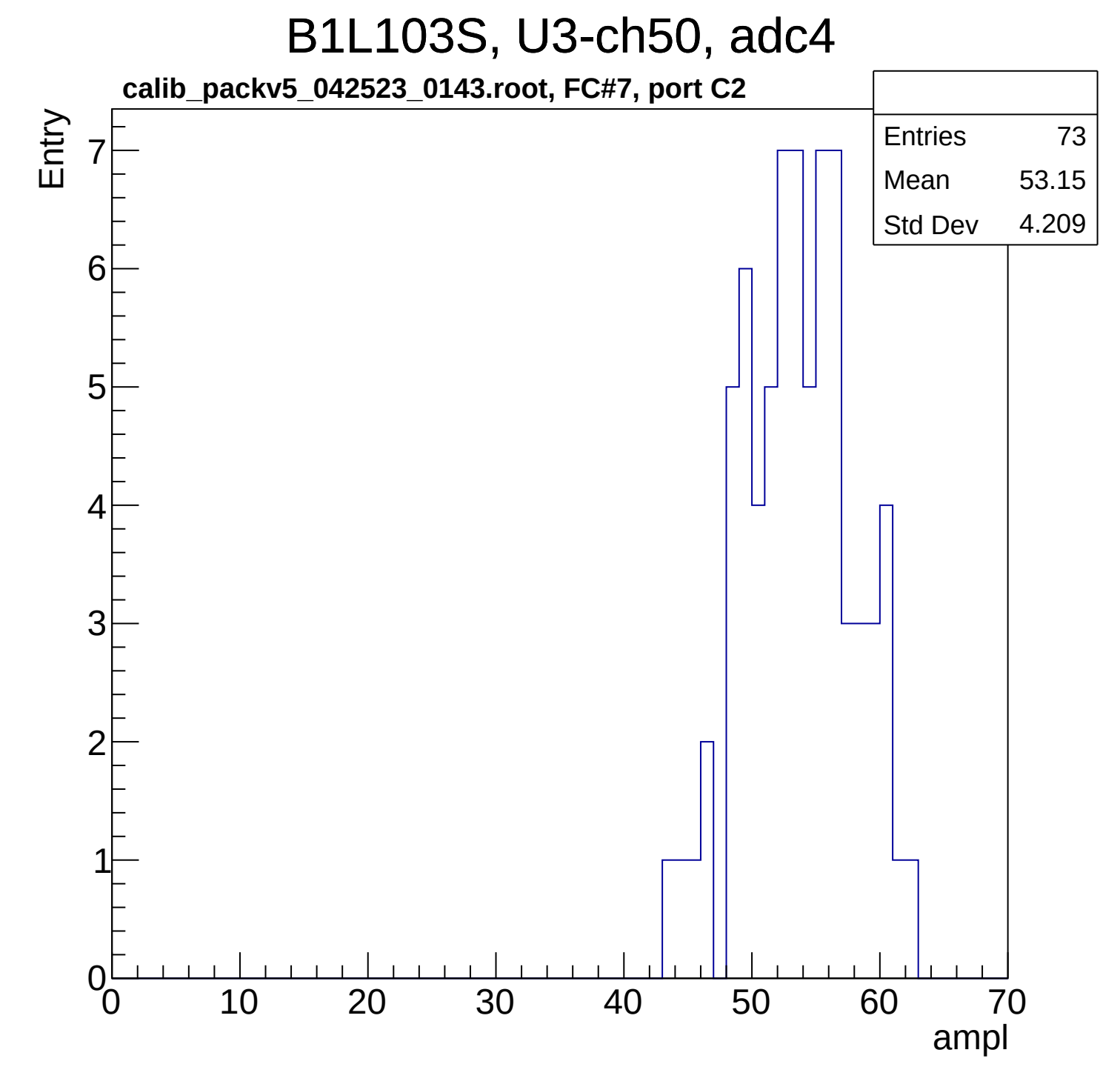
B1L103S, U3-ch50, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 53.15
Std Dev 4.209
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
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40
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60
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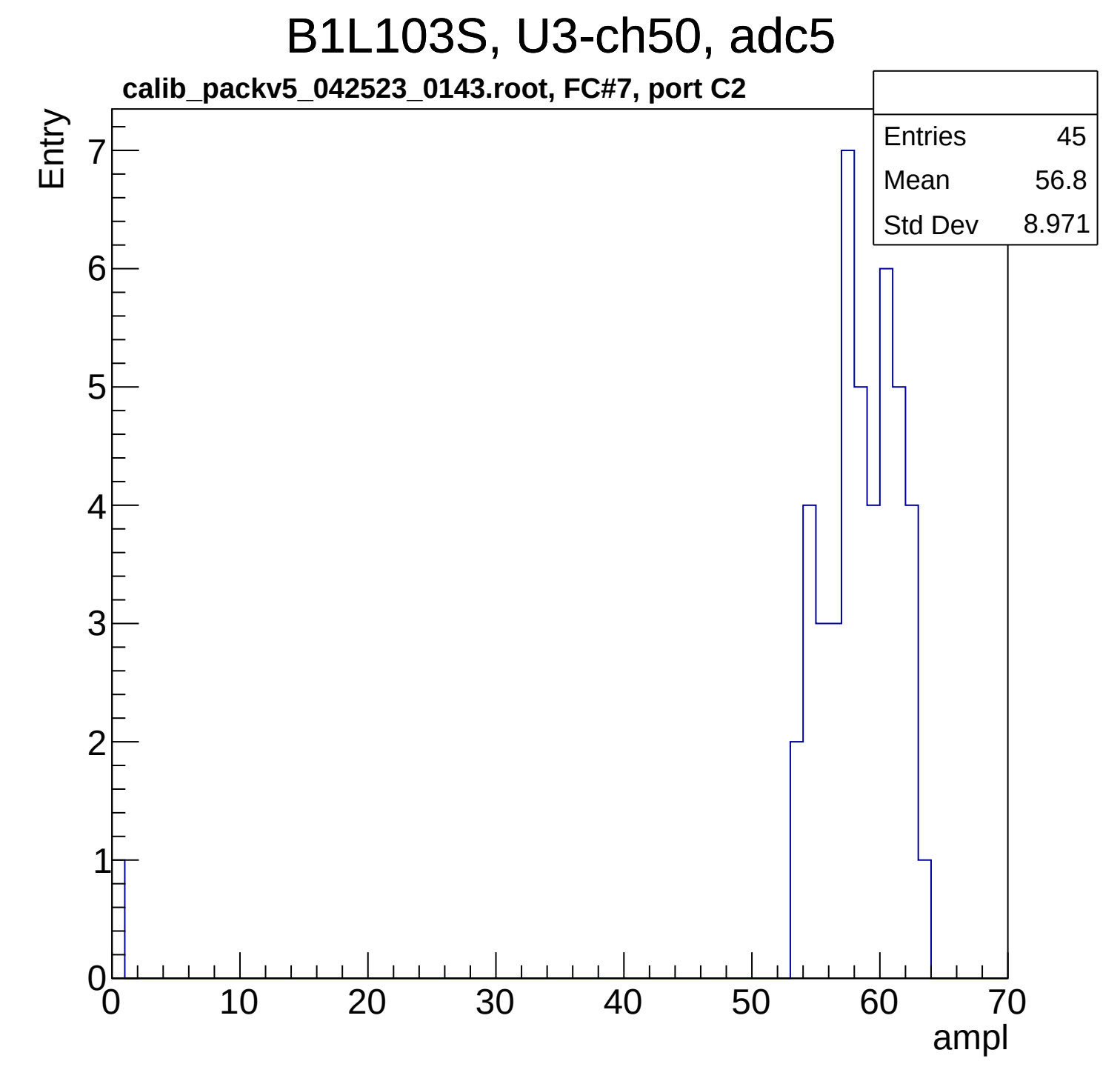
B1L103S, U3-ch50, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 56.8
Std Dev 8.971
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
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60
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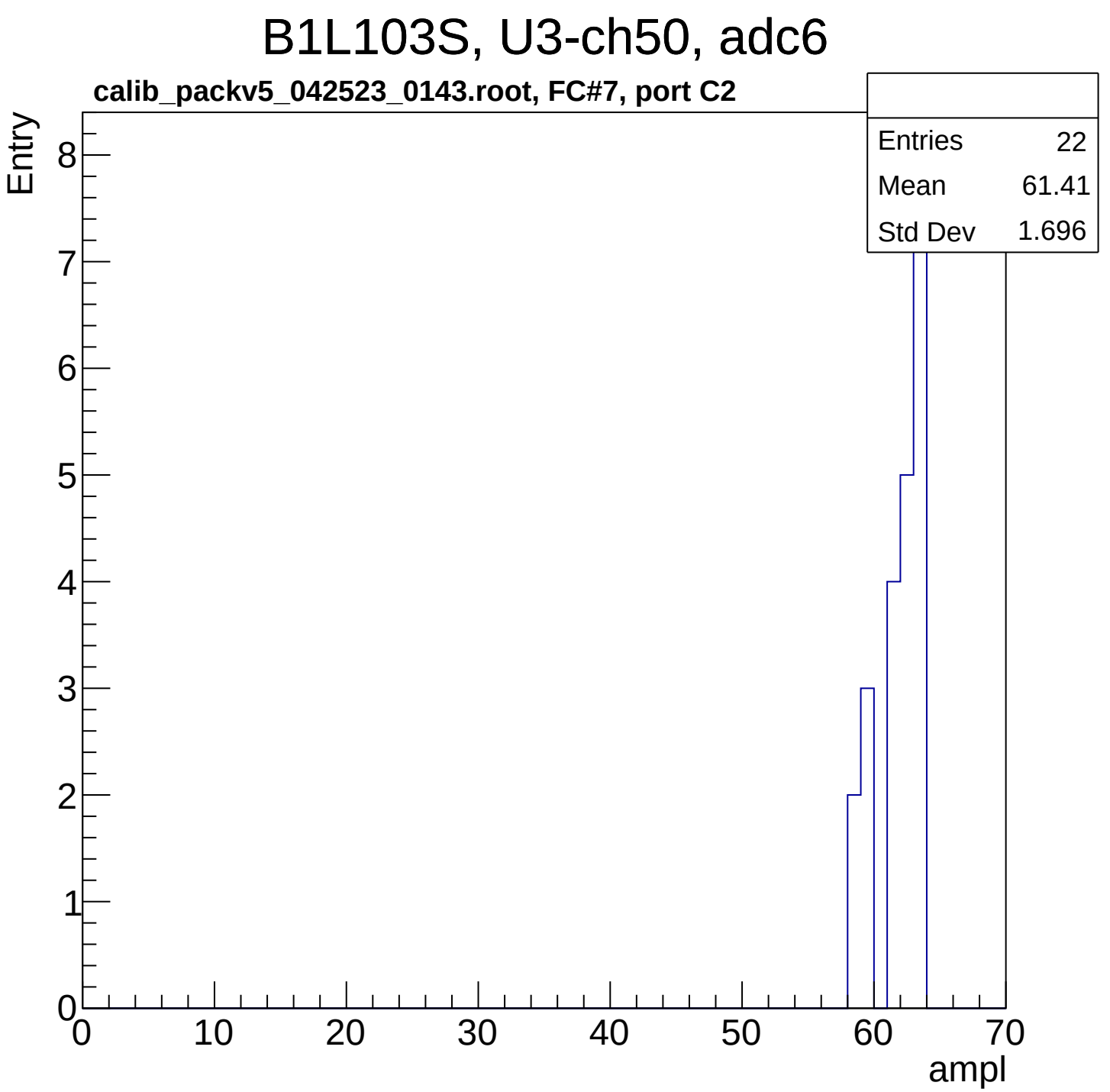
B1L103S, U3-ch50, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 22
Mean 61.41
Std Dev 1.696
Entry
ampl
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1
2
3
4
5
6
7
8
0
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60
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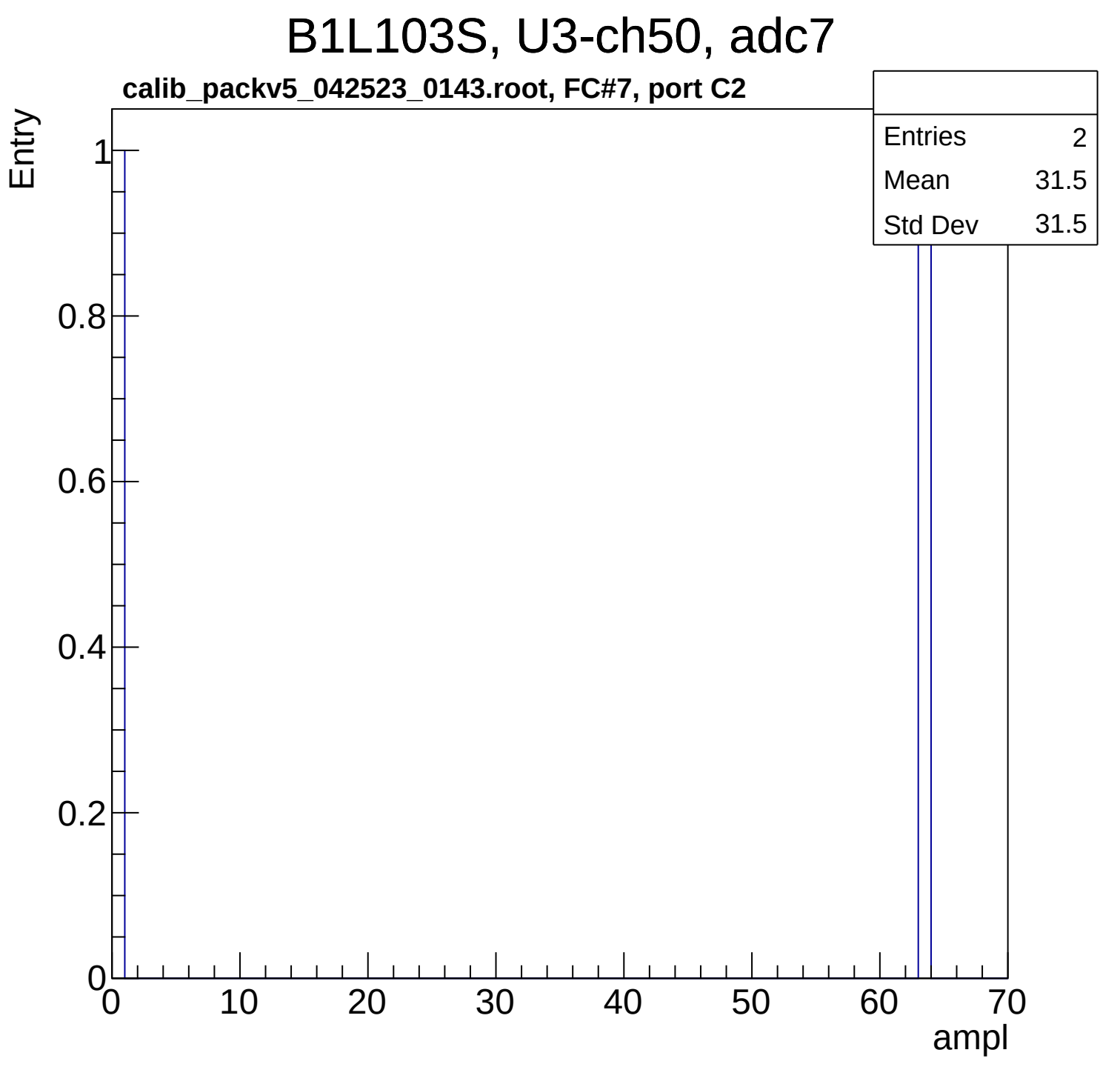
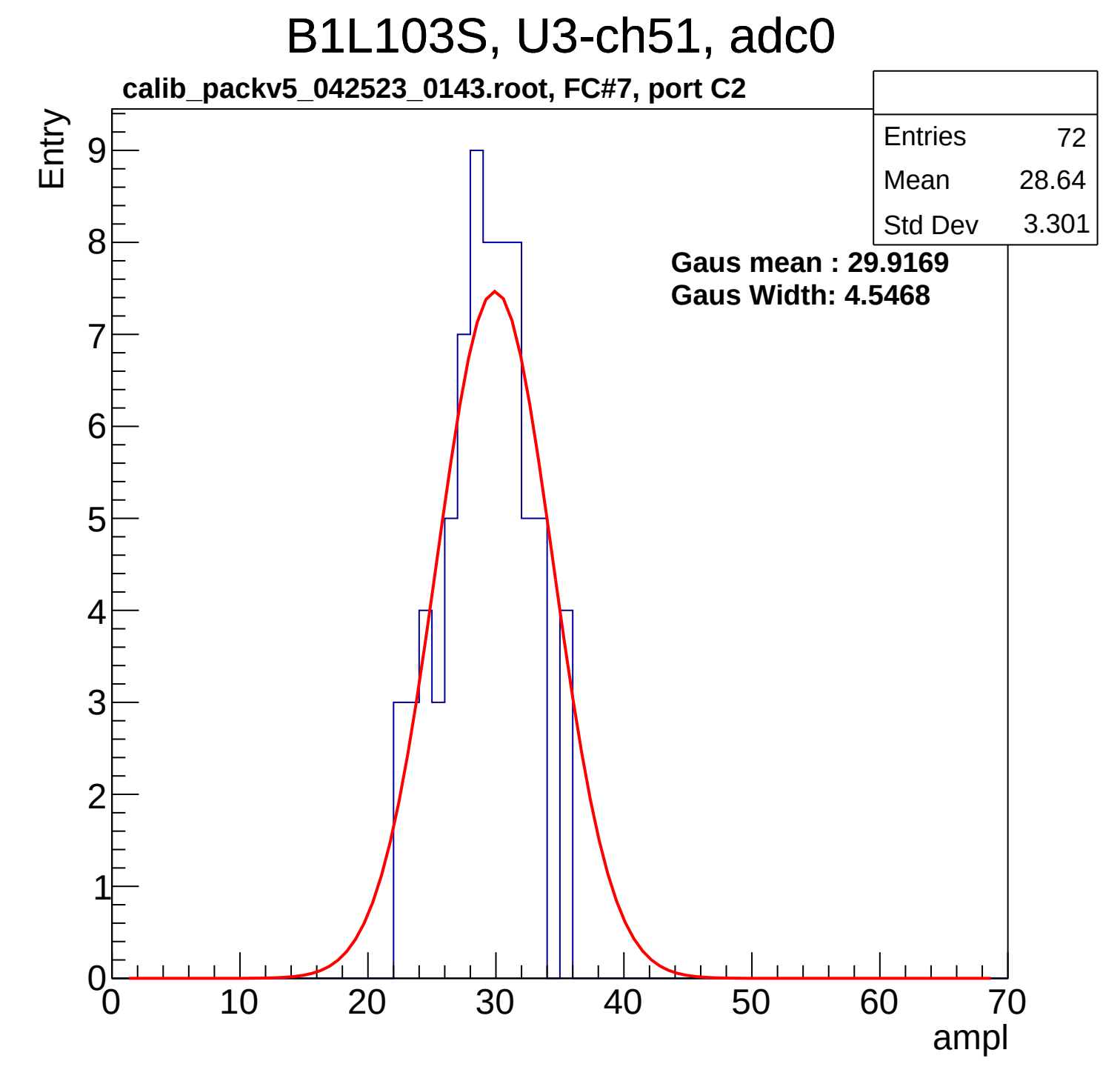

B1L103S, U3-ch50, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 31.5
Std Dev 31.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch51, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 28.64
Std Dev 3.301
Gaus mean : 29.9169
Gaus Width: 4.5468
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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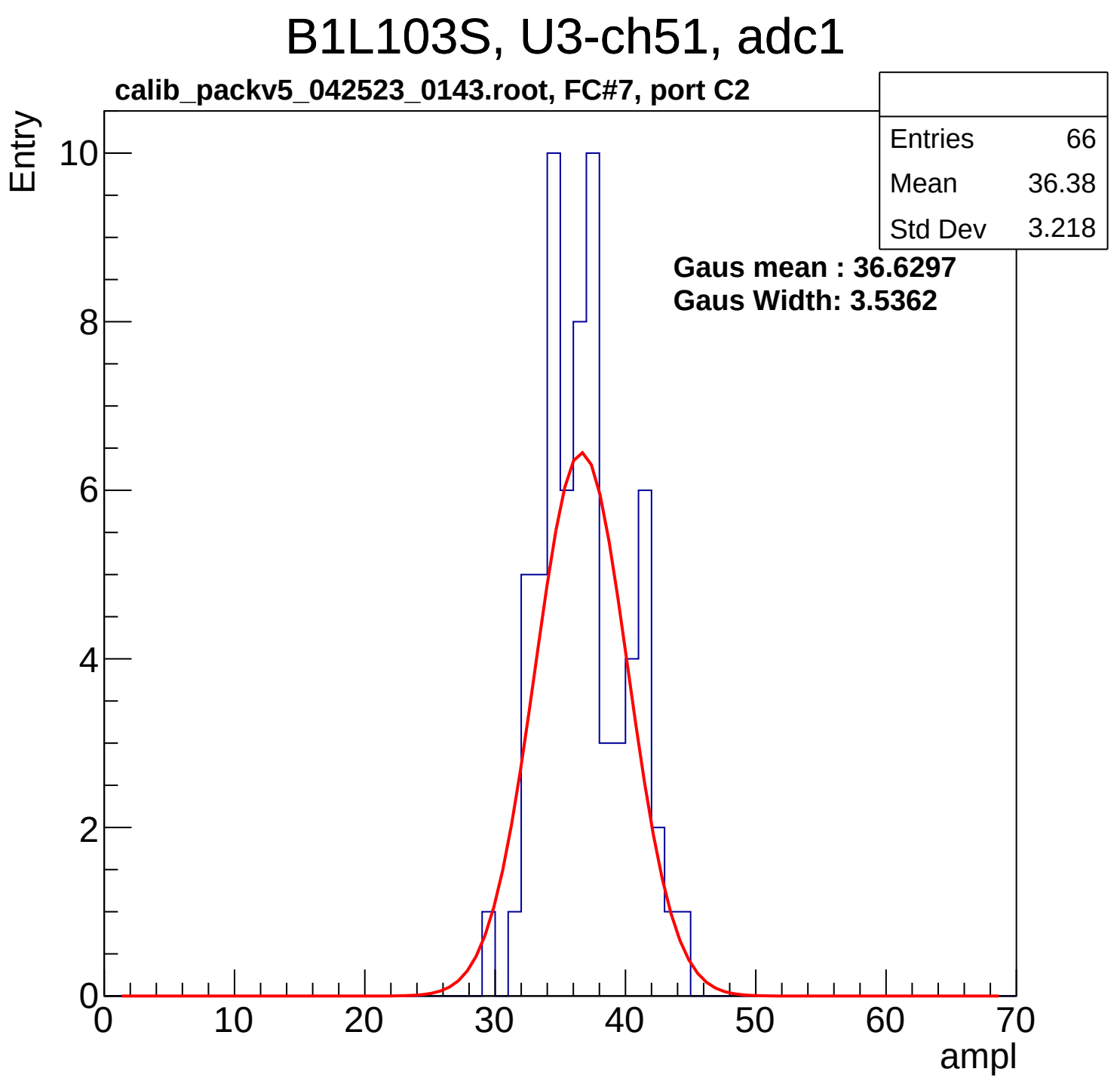
B1L103S, U3-ch51, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 36.38
Std Dev 3.218
Gaus mean : 36.6297
Gaus Width: 3.5362
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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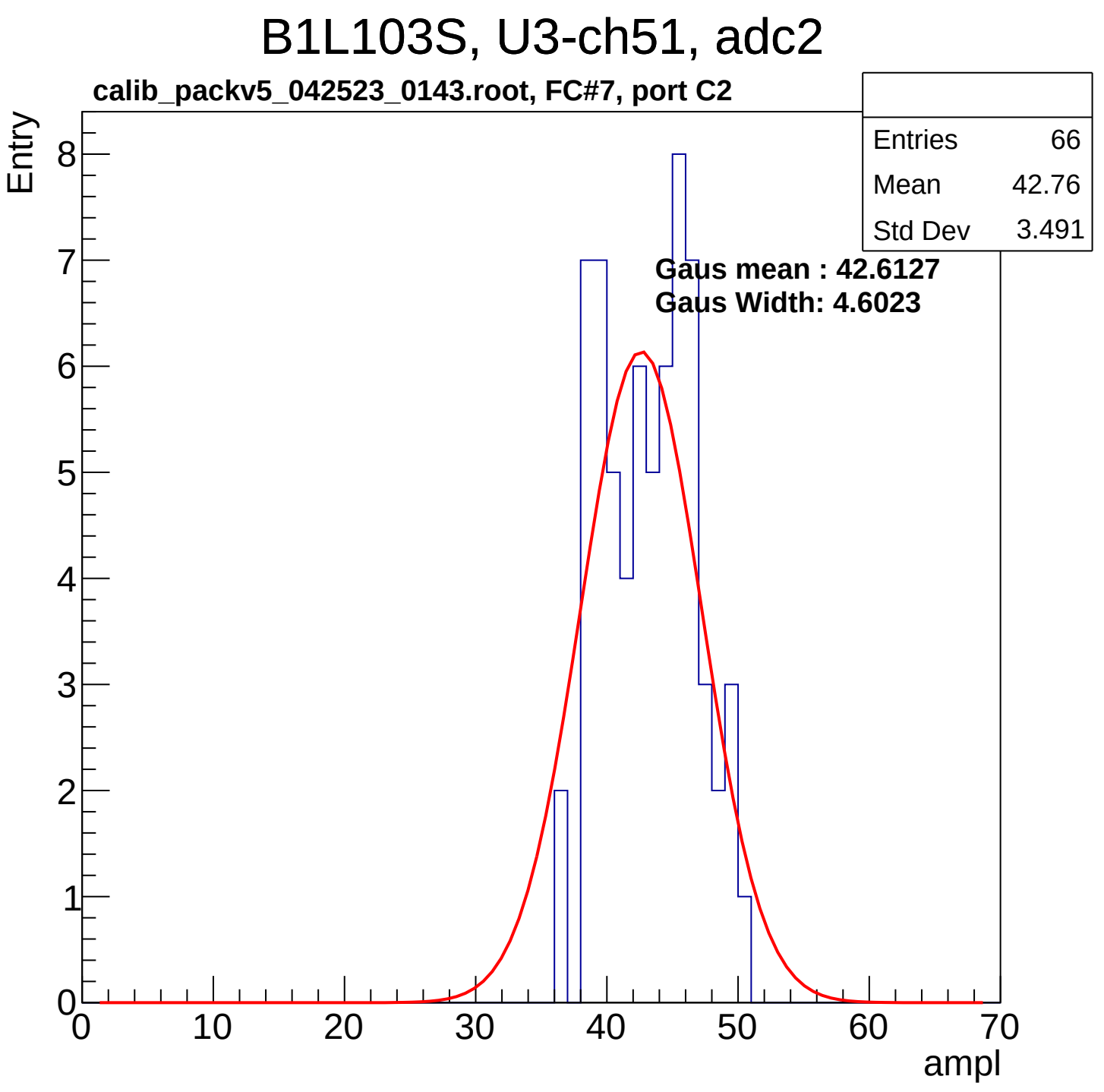
B1L103S, U3-ch51, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 42.76
Std Dev 3.491
Gaus mean : 42.6127
Gaus Width: 4.6023
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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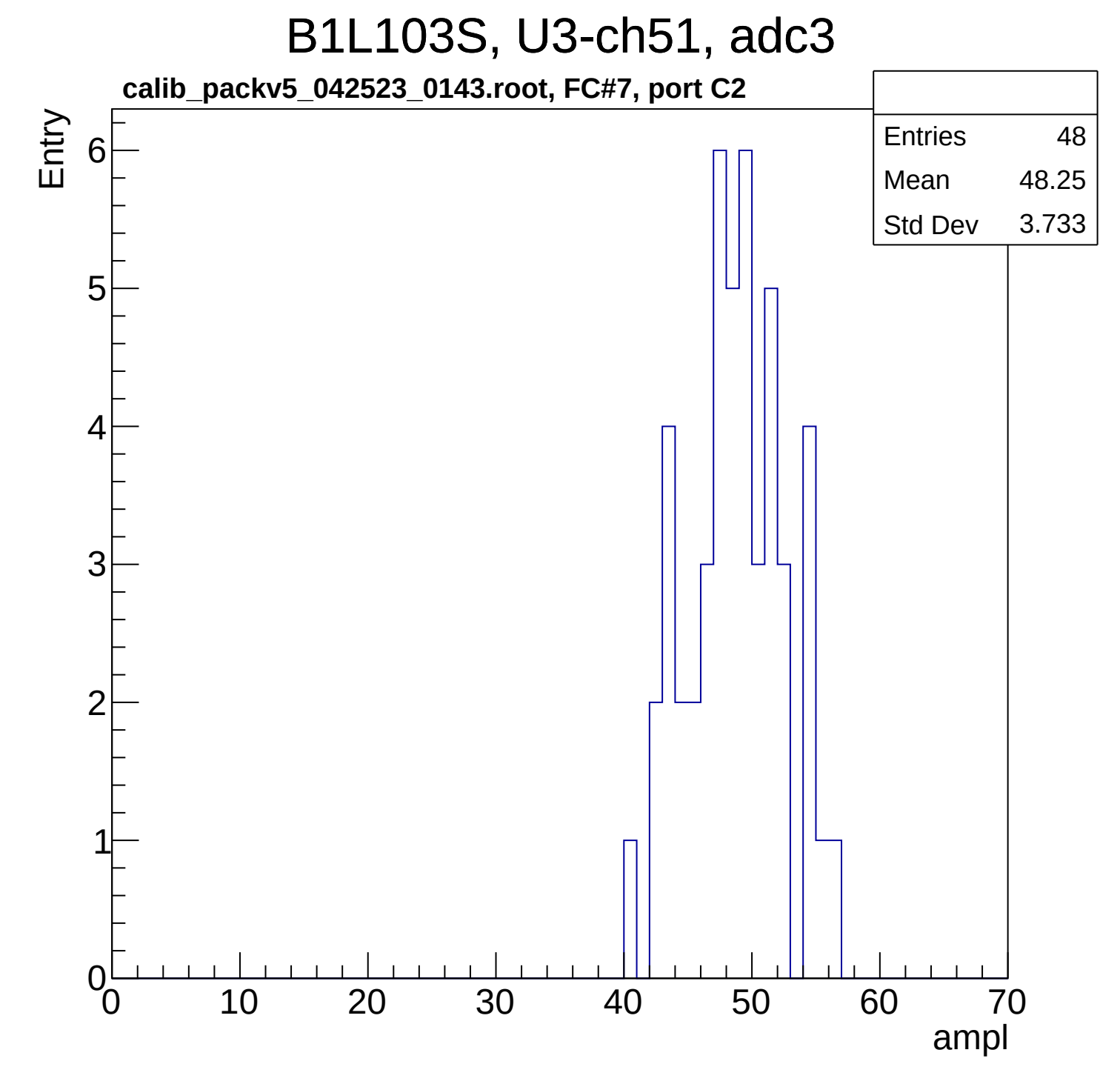
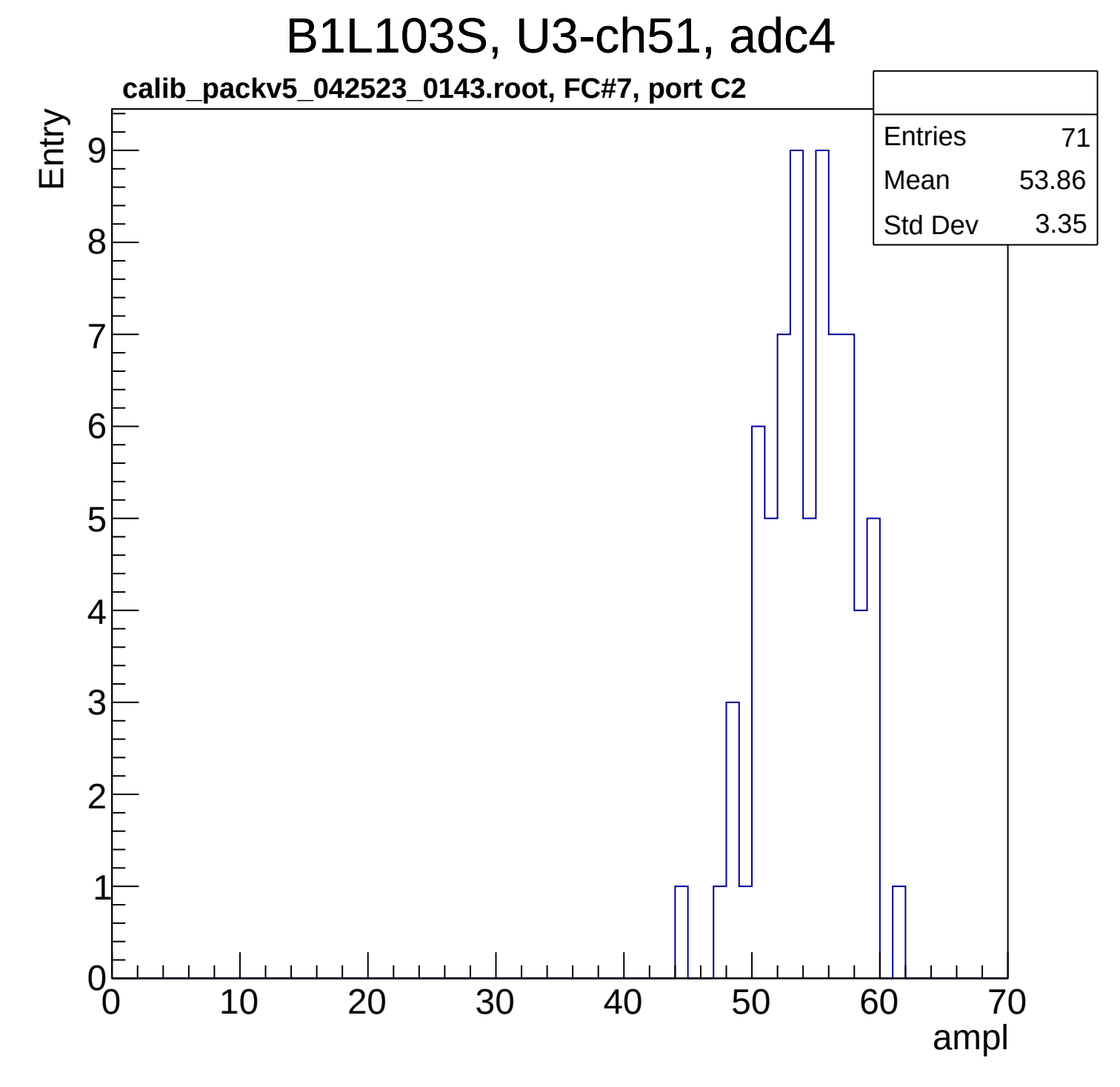

B1L103S, U3-ch51, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 48.25
Std Dev 3.733
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch51, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 53.86
Std Dev 3.35
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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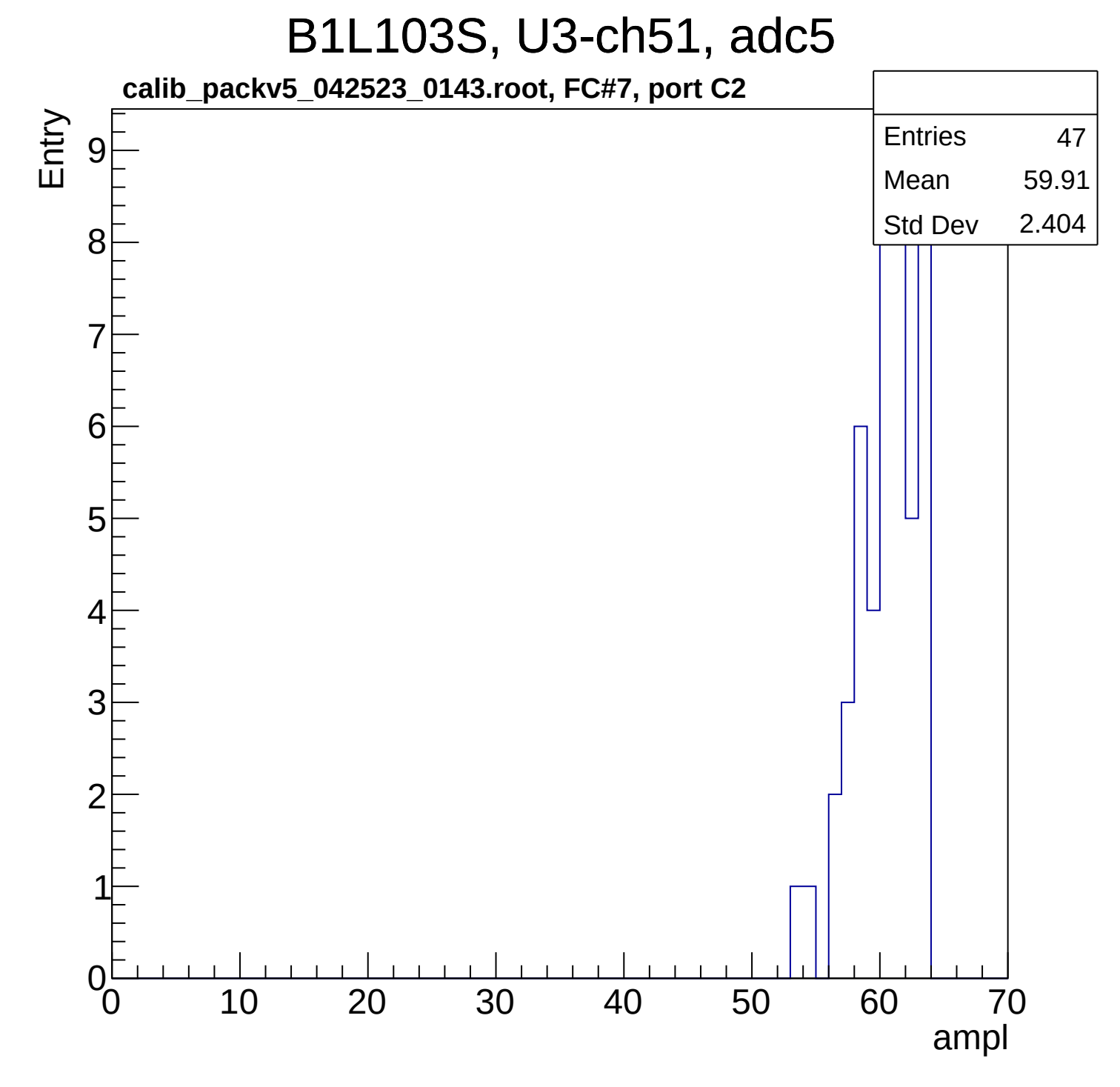
B1L103S, U3-ch51, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 59.91
Std Dev 2.404
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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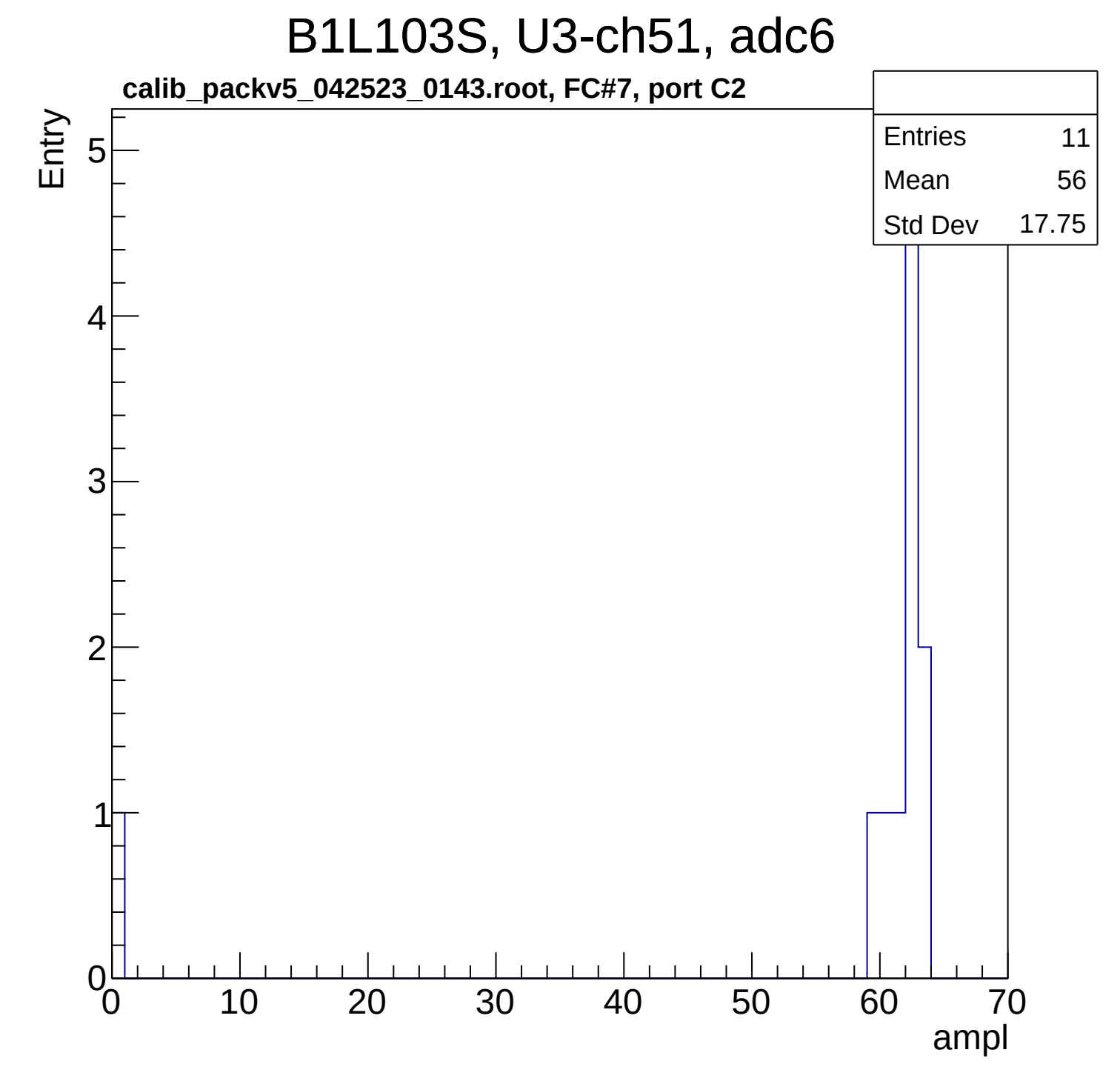
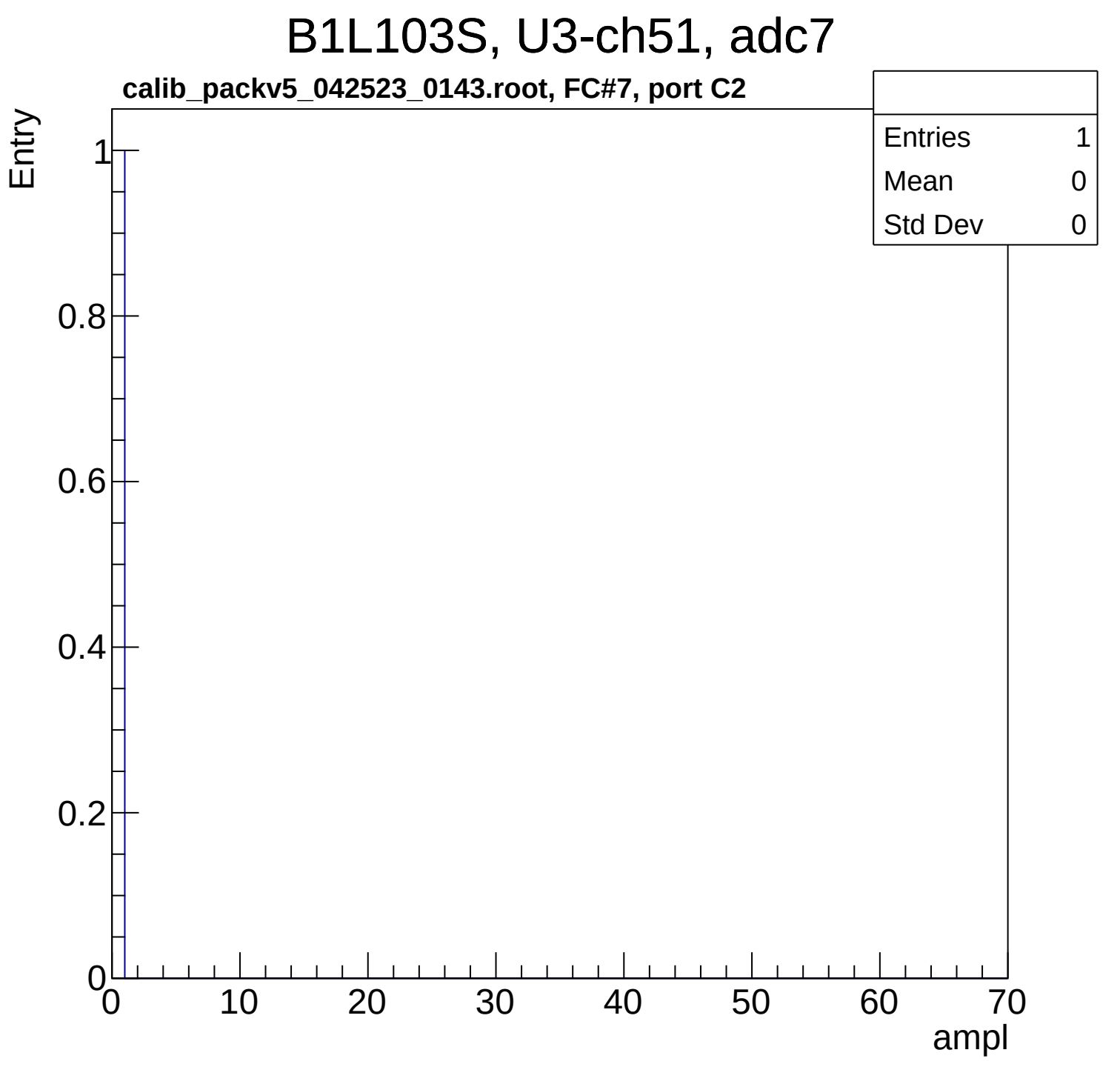

B1L103S, U3-ch51, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 56
Std Dev 17.75
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch51, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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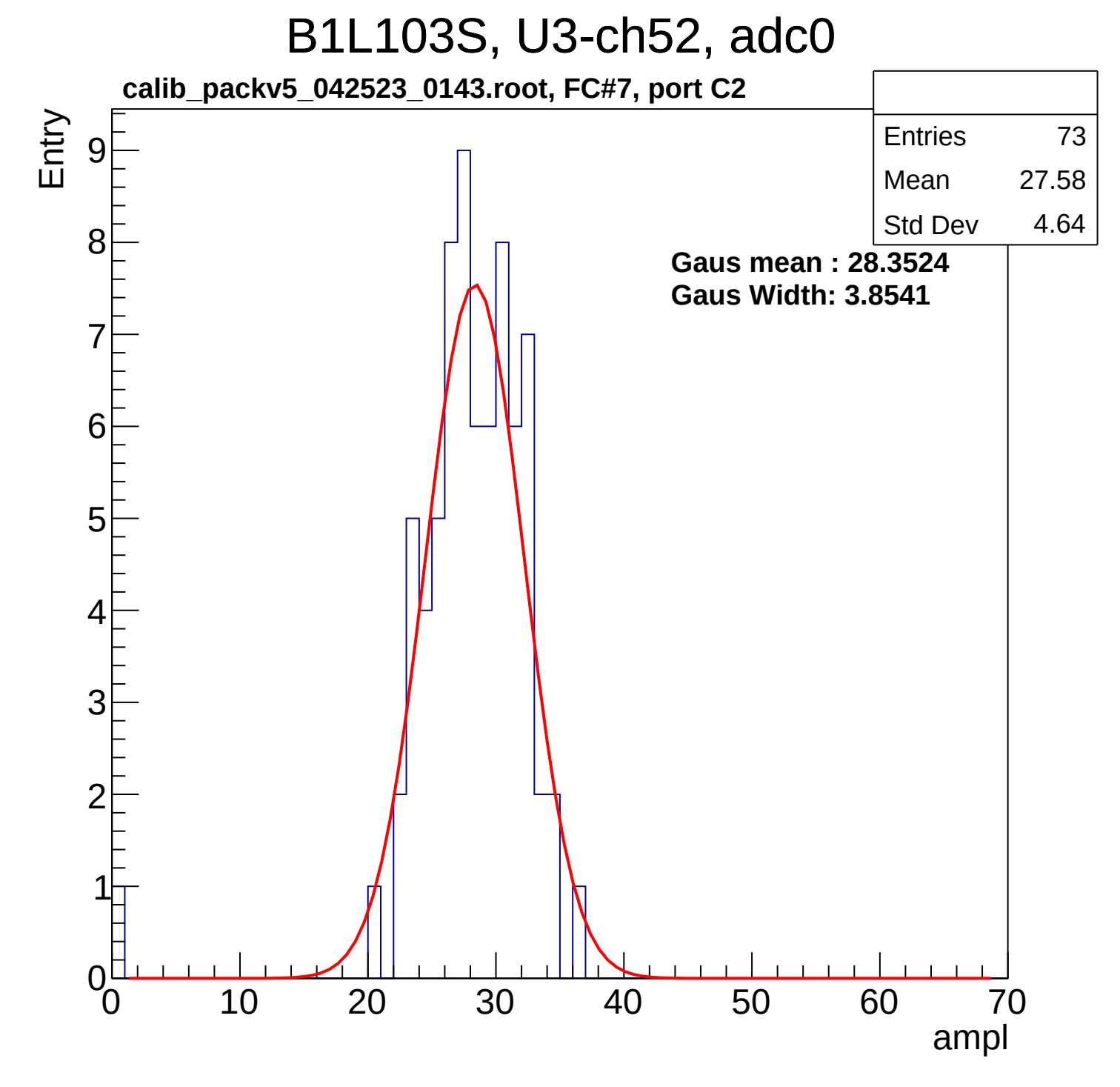
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch52, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 27.58
Std Dev 4.64
Gaus mean : 28.3524
Gaus Width: 3.8541
Entry
ampl
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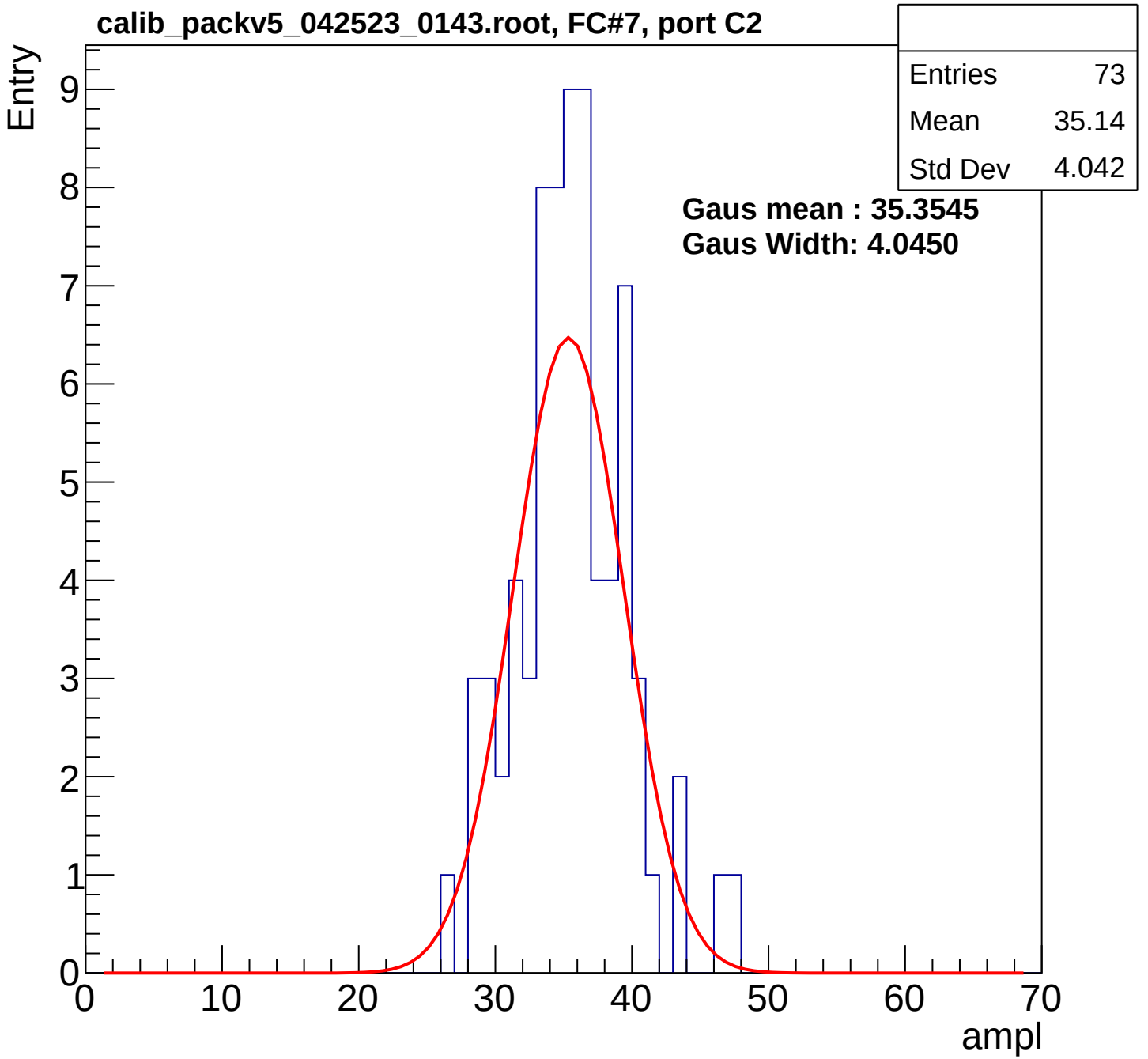
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch52, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 35.14
Std Dev 4.042
Gaus mean : 35.3545
Gaus Width: 4.0450
Entry
ampl
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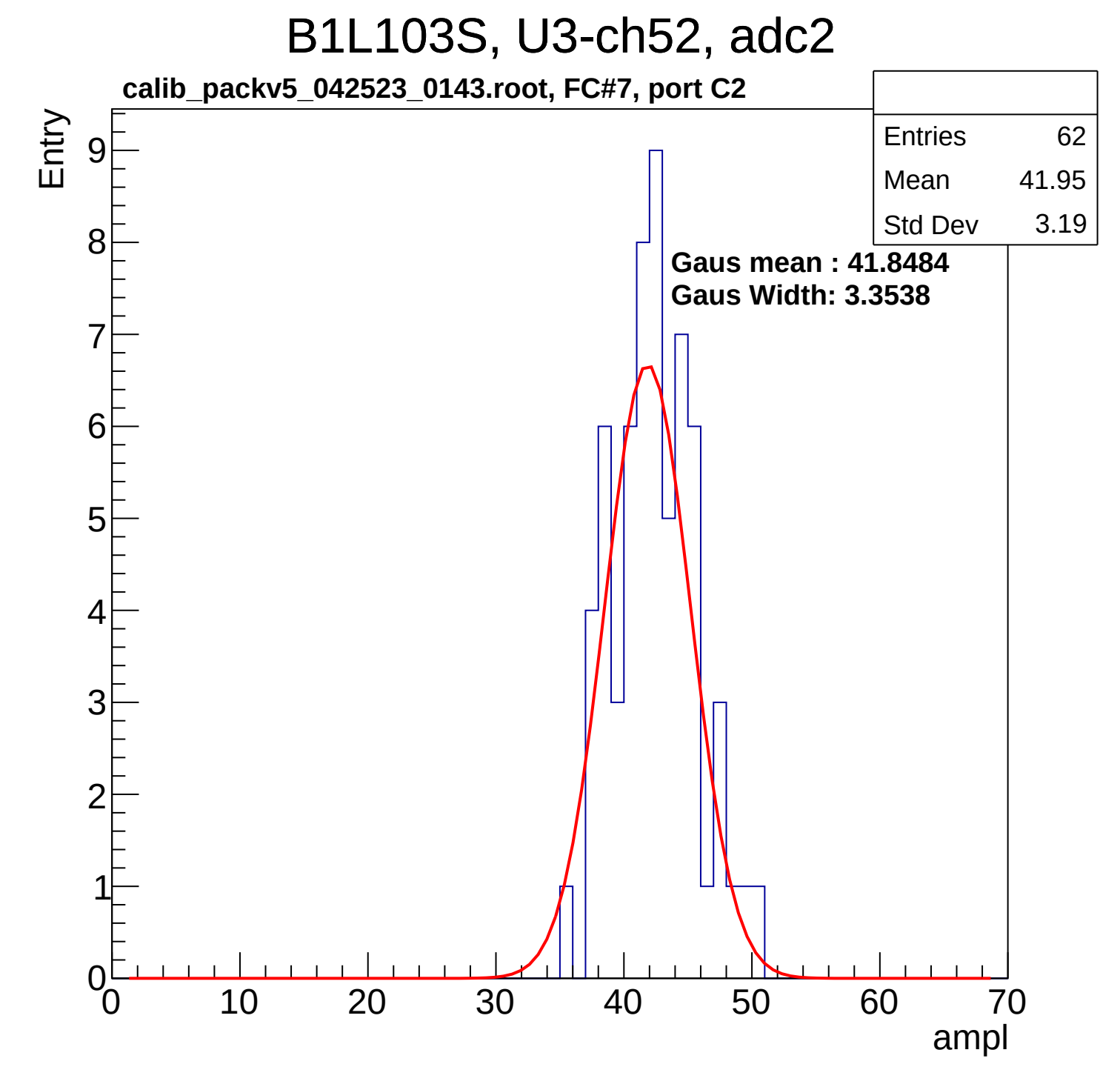
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch52, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 41.95
Std Dev 3.19
Gaus mean : 41.8484
Gaus Width: 3.3538
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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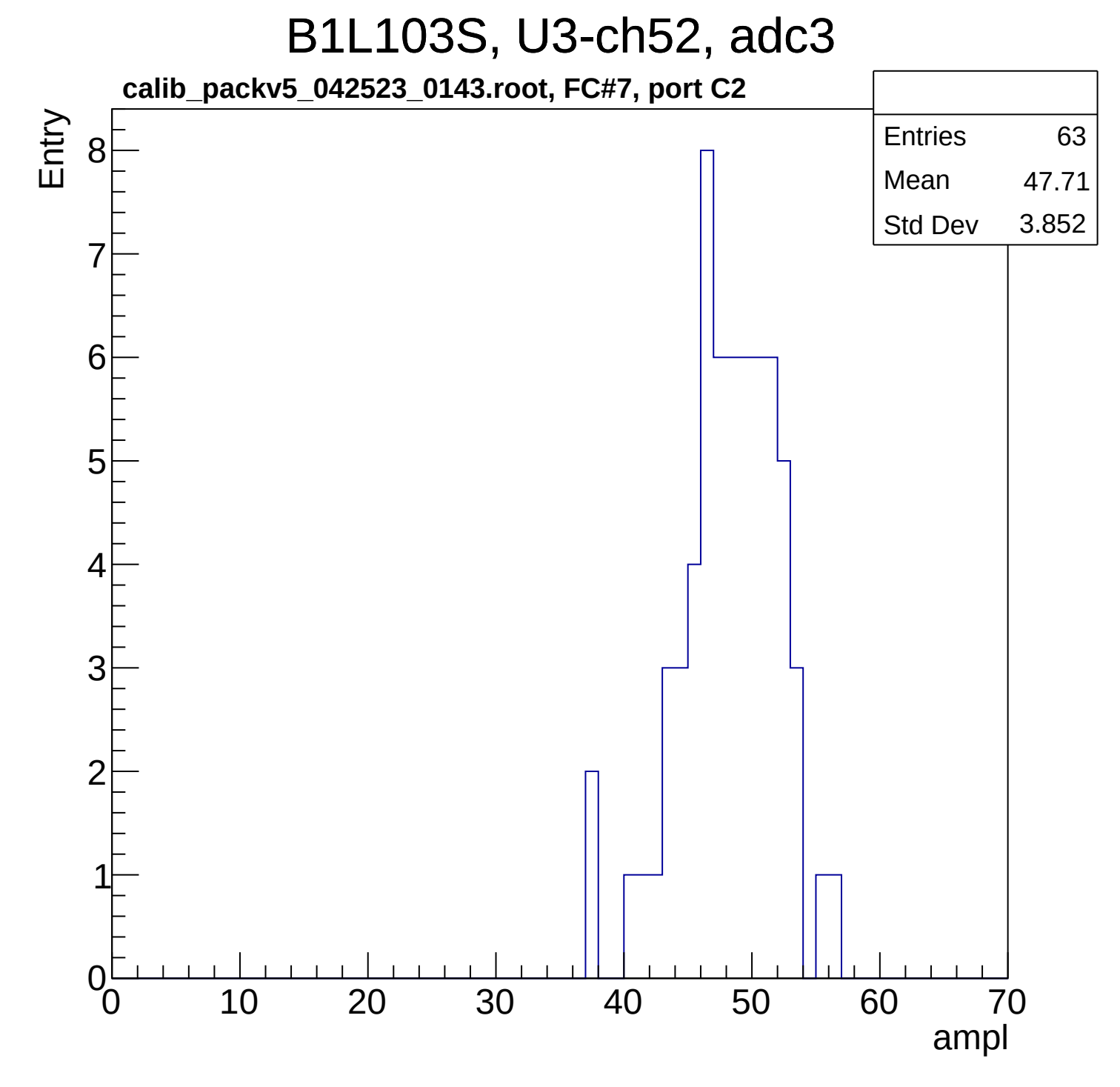
40
50
60
70


B1L103S, U3-ch52, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 47.71
Std Dev 3.852
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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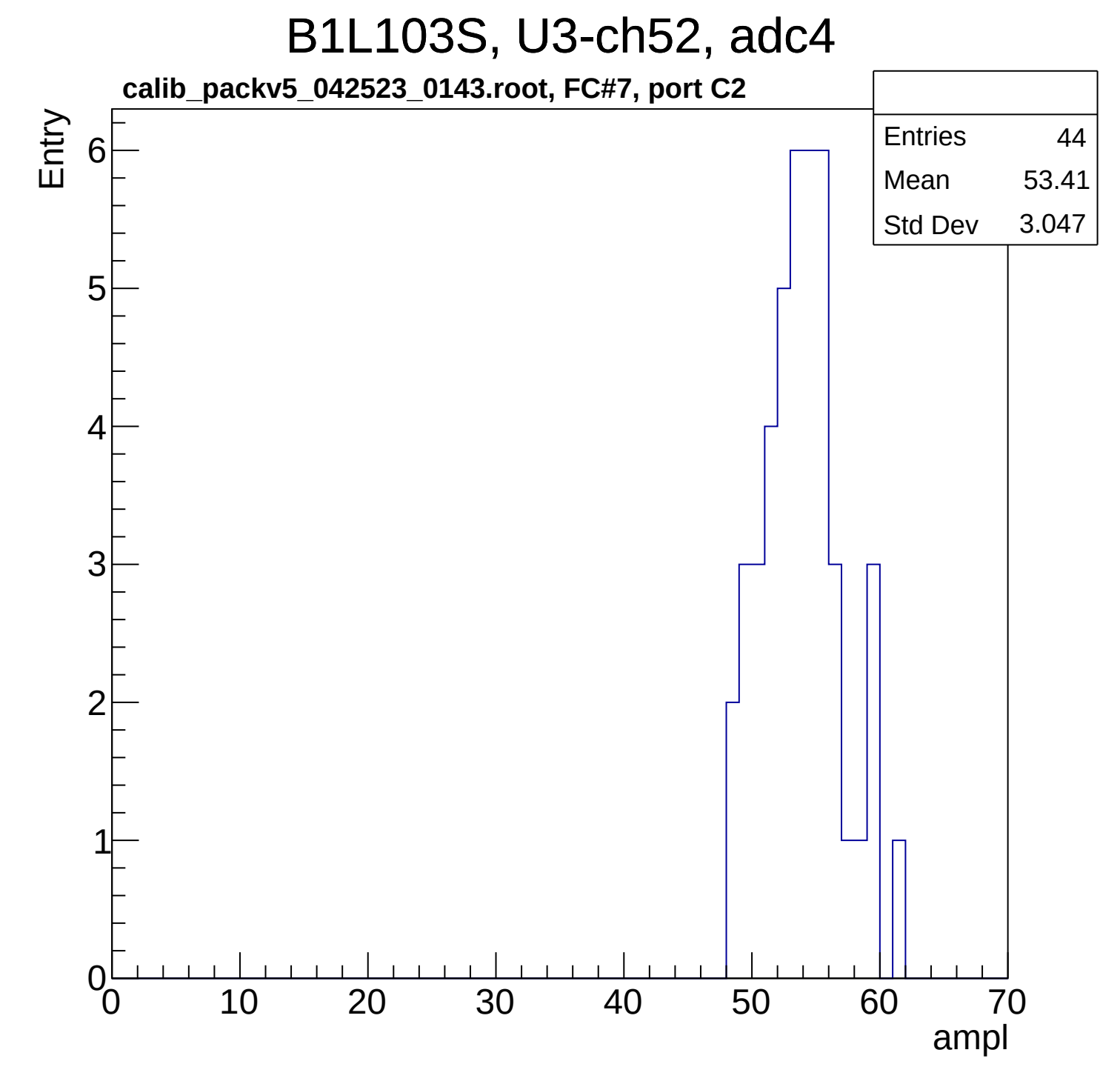
B1L103S, U3-ch52, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 53.41
Std Dev 3.047
Entry
ampl
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3
4
5
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0
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60
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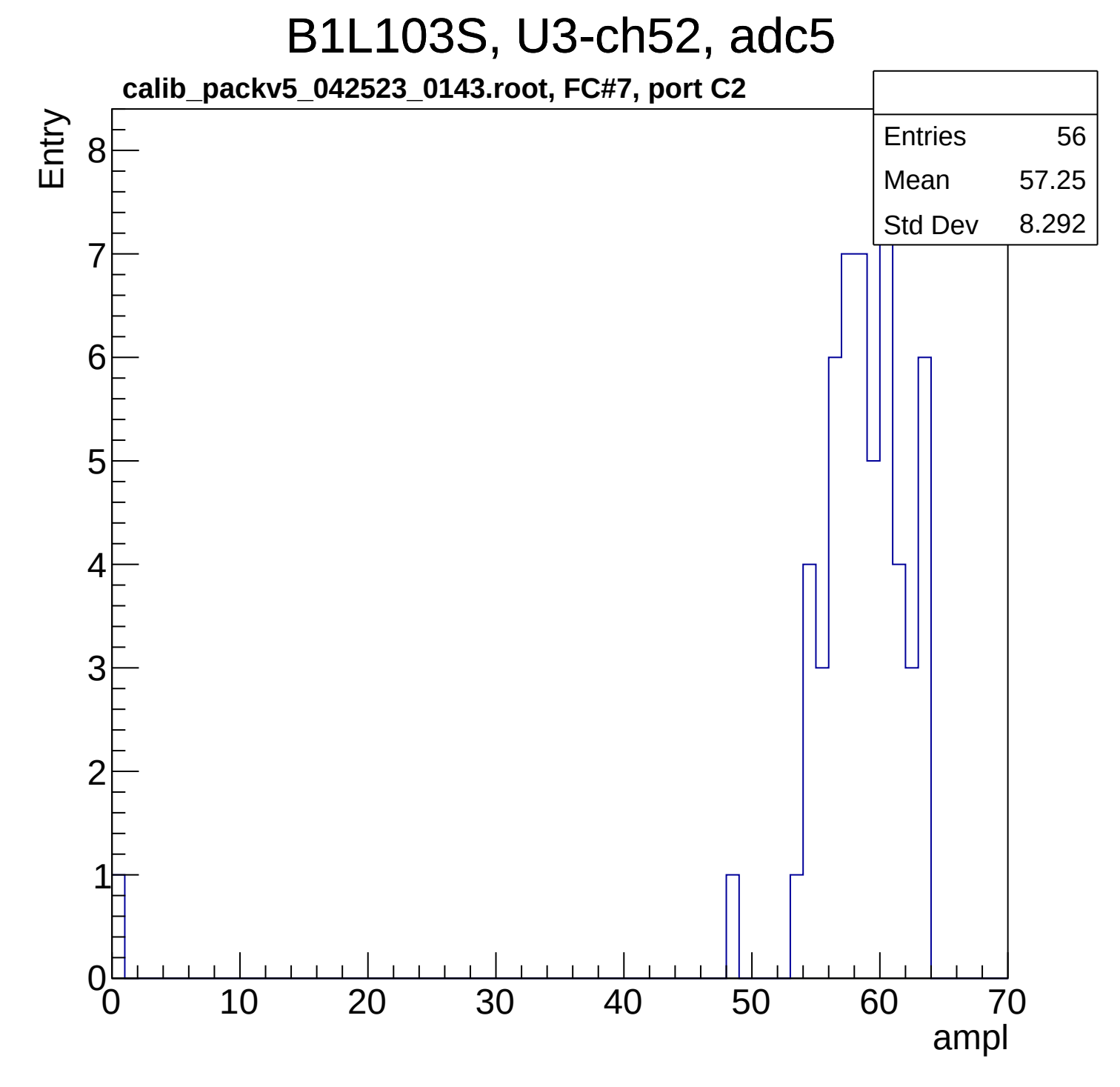
B1L103S, U3-ch52, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 57.25
Std Dev 8.292
Entry
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2
3
4
5
6
7
8
0
10
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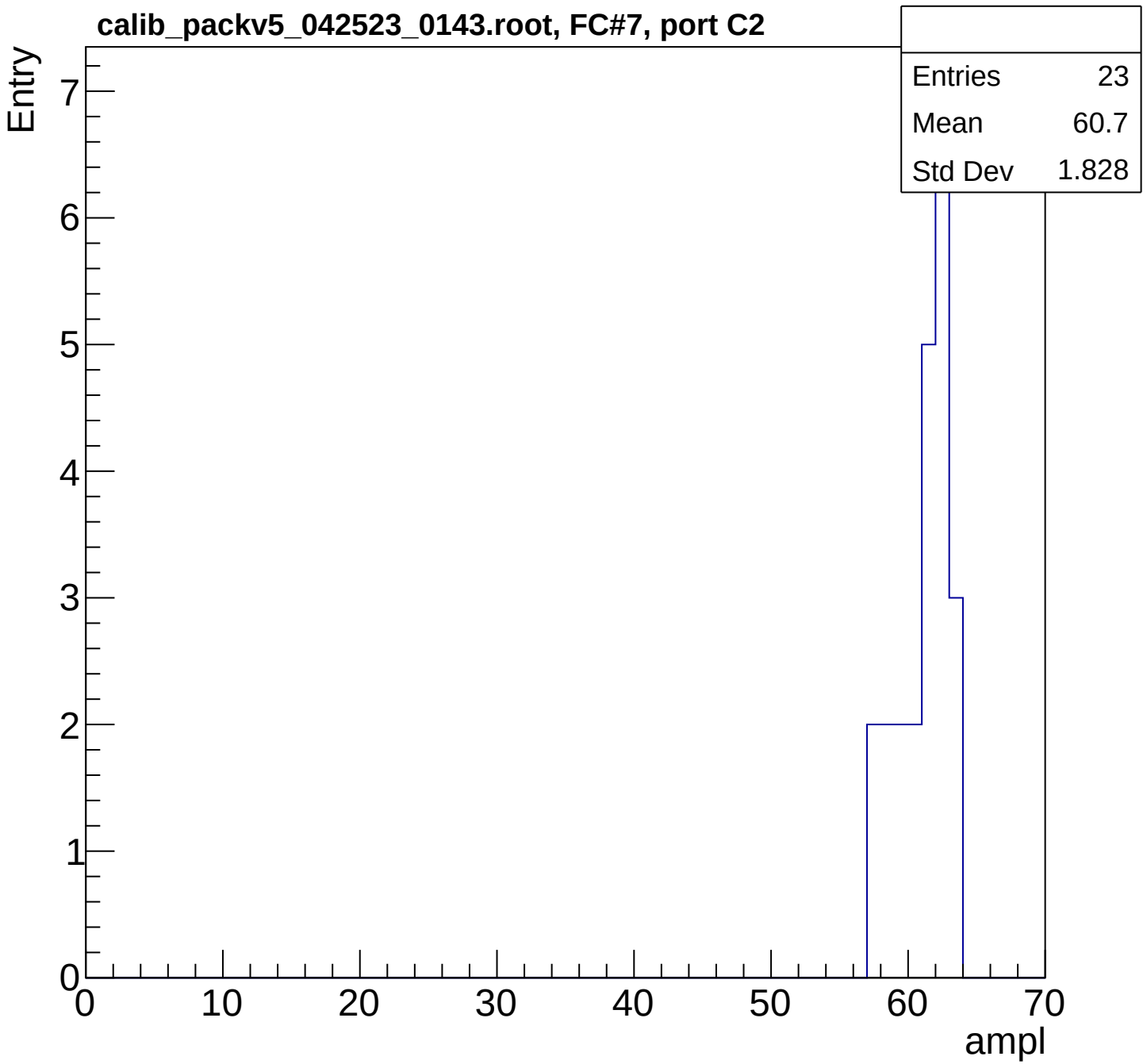
30
40
50
60
70
ampl


B1L103S, U3-ch52, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 23
Mean 60.7
Std Dev 1.828
Entry
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3
4
5
6
7
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10
20
30
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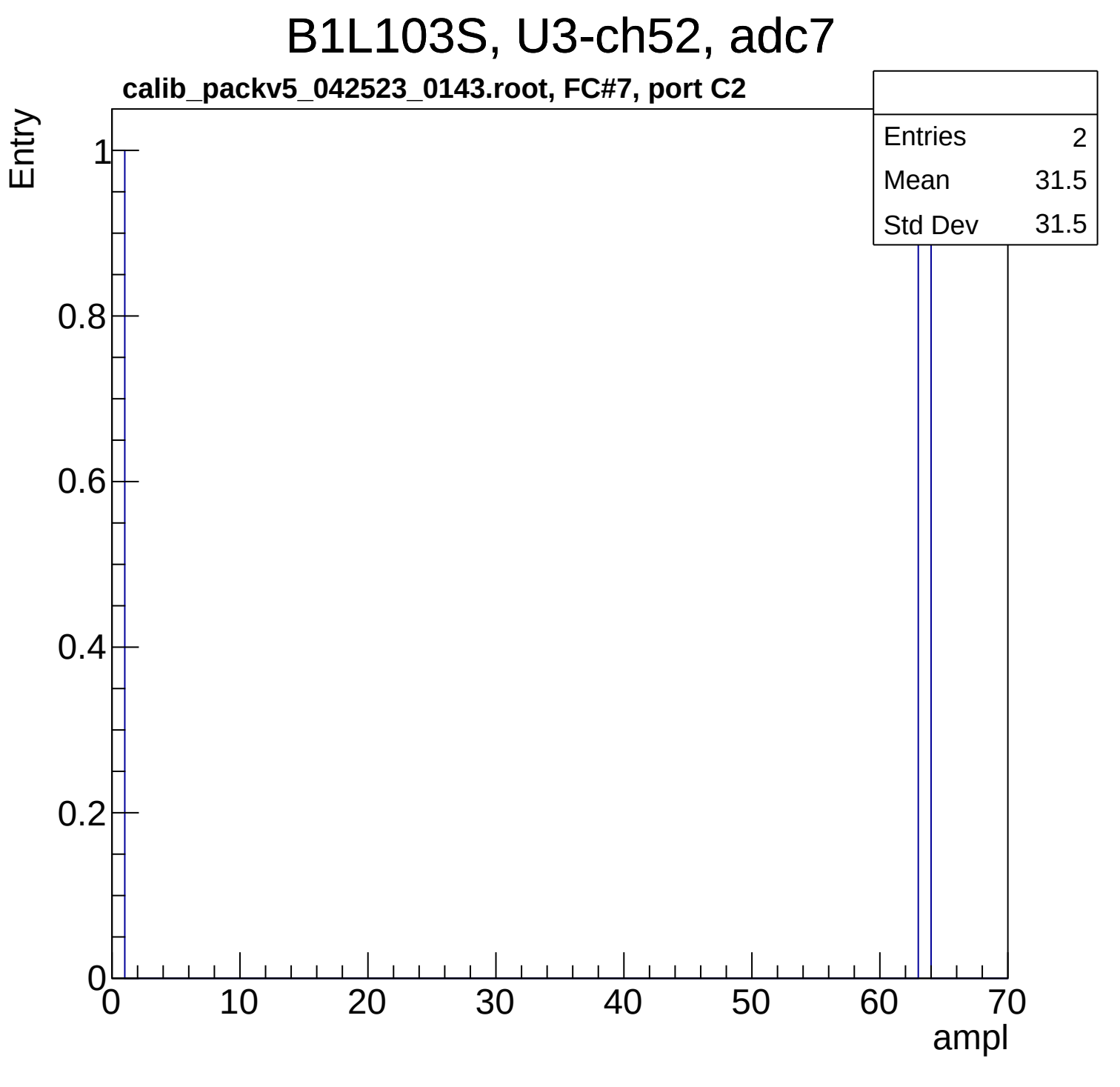
50
60
70
ampl


B1L103S, U3-ch52, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 31.5
Std Dev 31.5
Entry
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0.6
0.4
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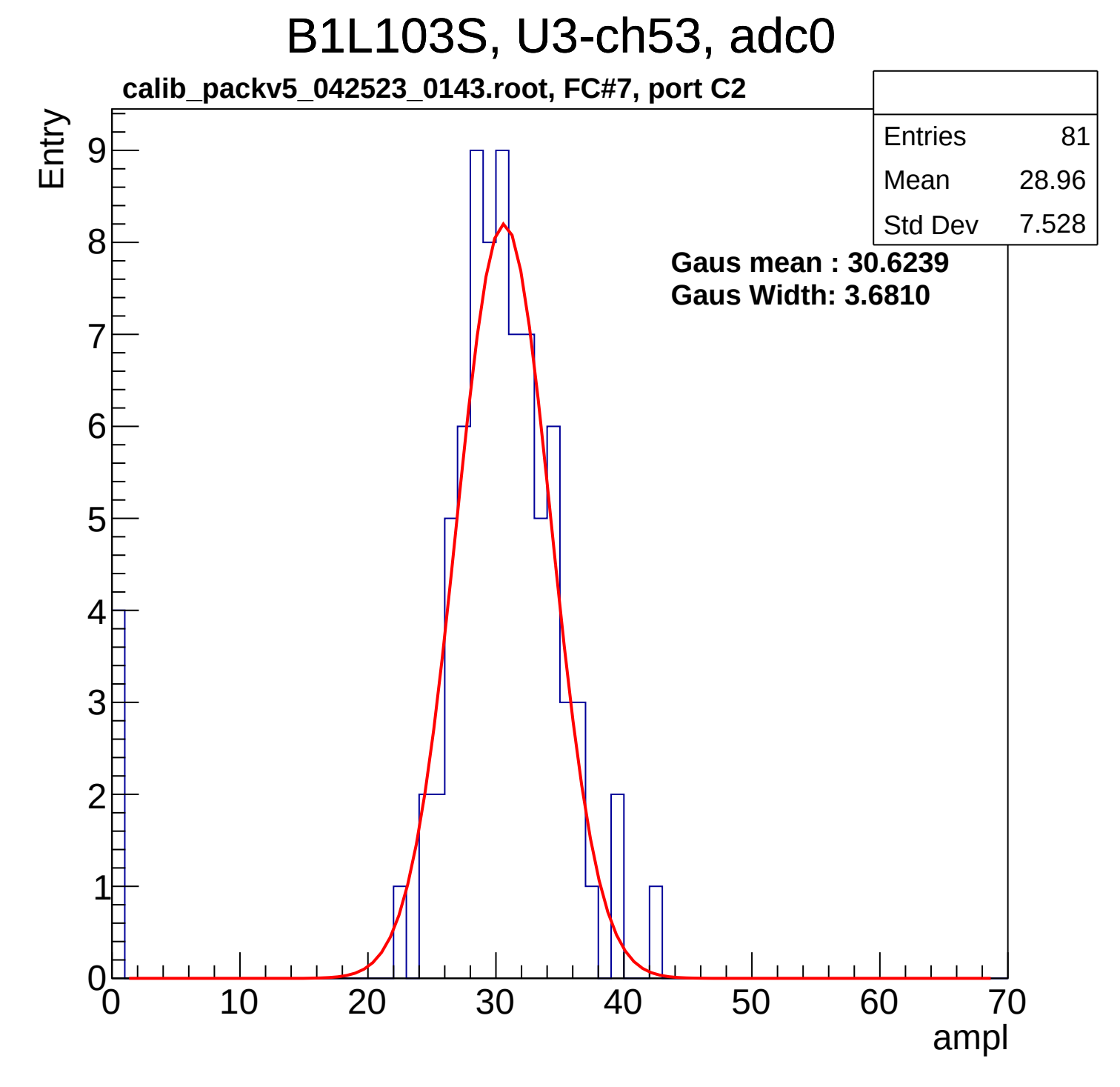
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch53, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 28.96
Std Dev 7.528
Gaus mean : 30.6239
Gaus Width: 3.6810
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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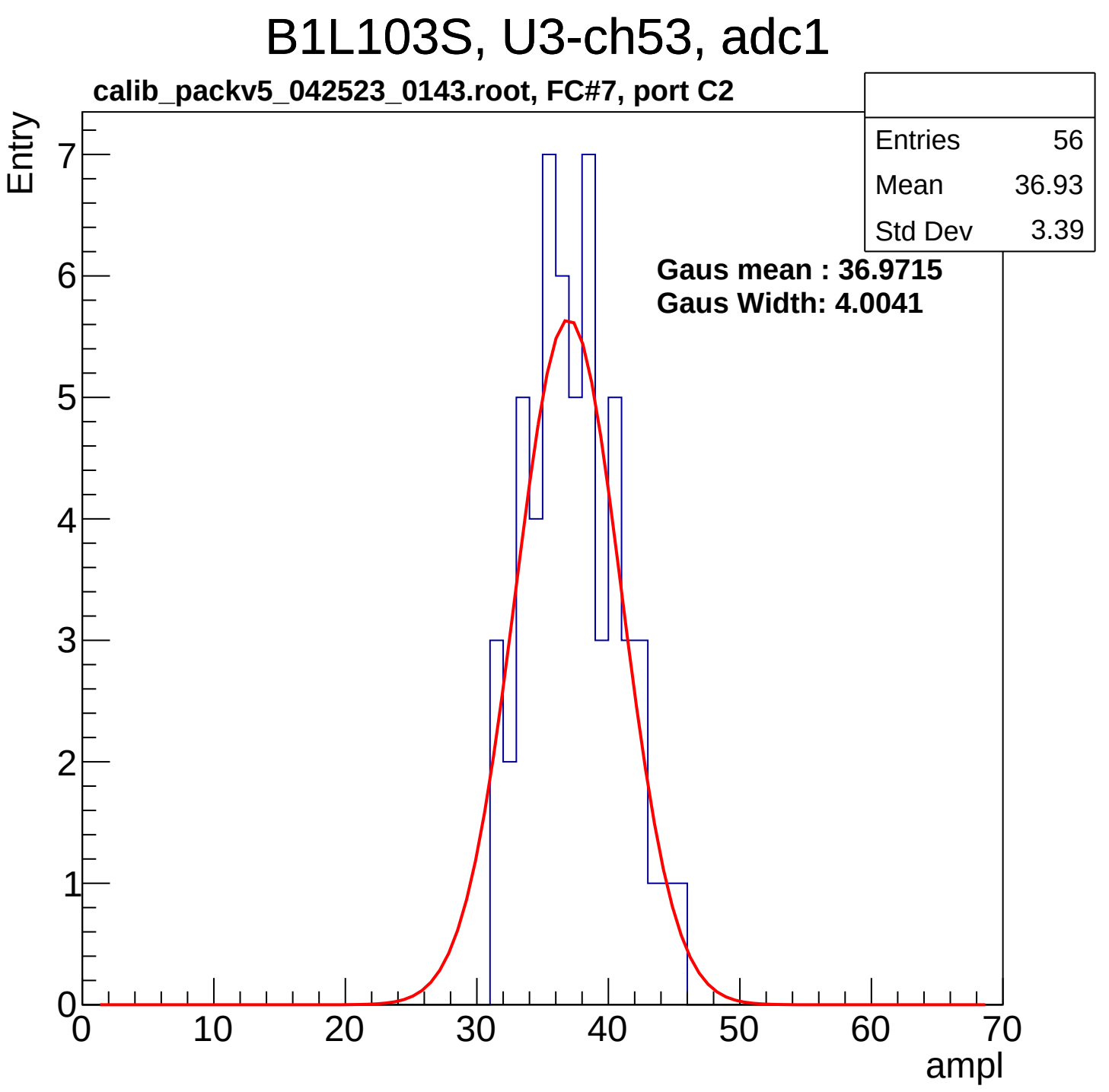
B1L103S, U3-ch53, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 36.93
Std Dev 3.39
Gaus mean : 36.9715
Gaus Width: 4.0041
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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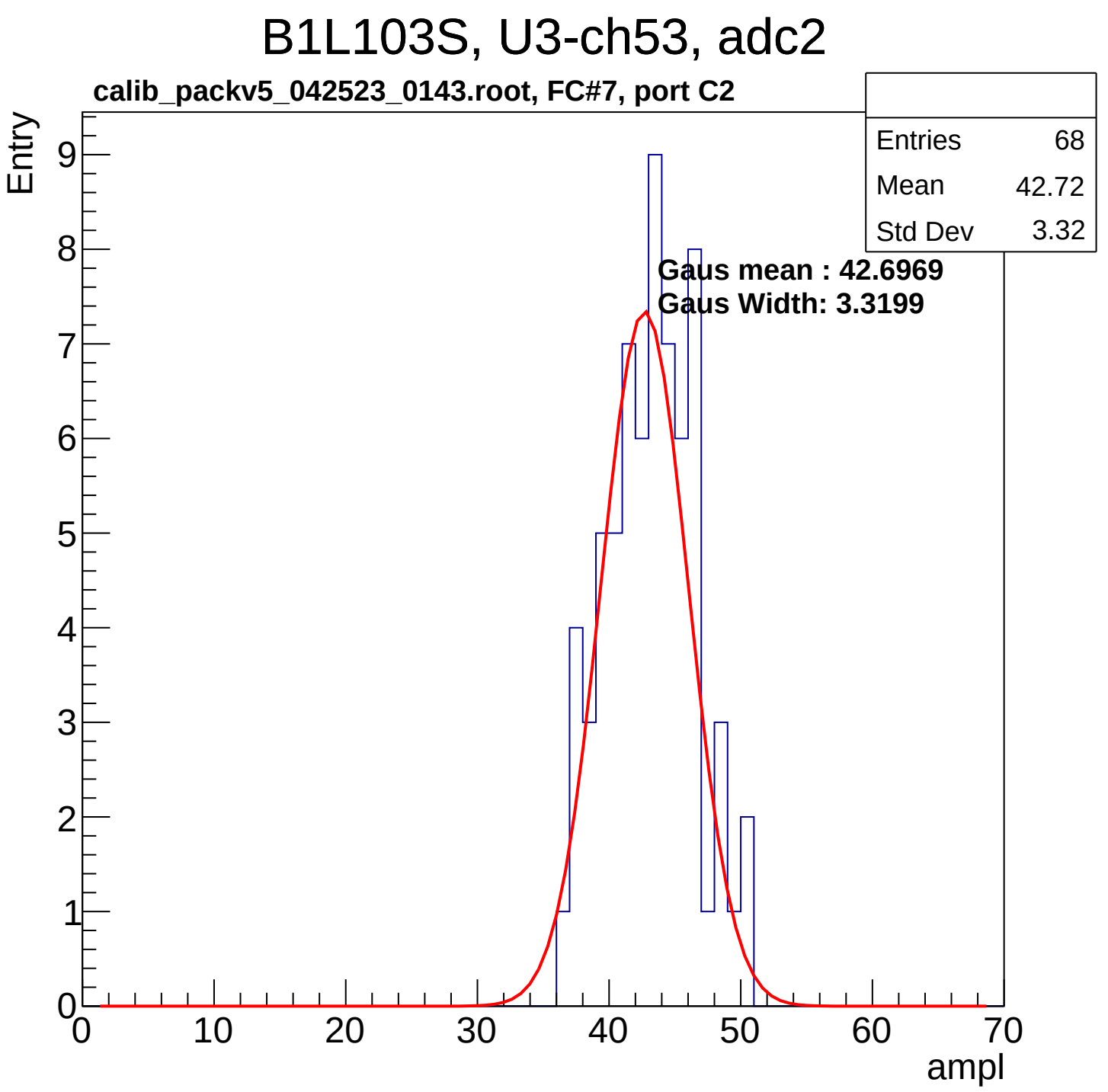
B1L103S, U3-ch53, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 42.72
Std Dev 3.32
Gaus mean : 42.6969
Gaus Width: 3.3199
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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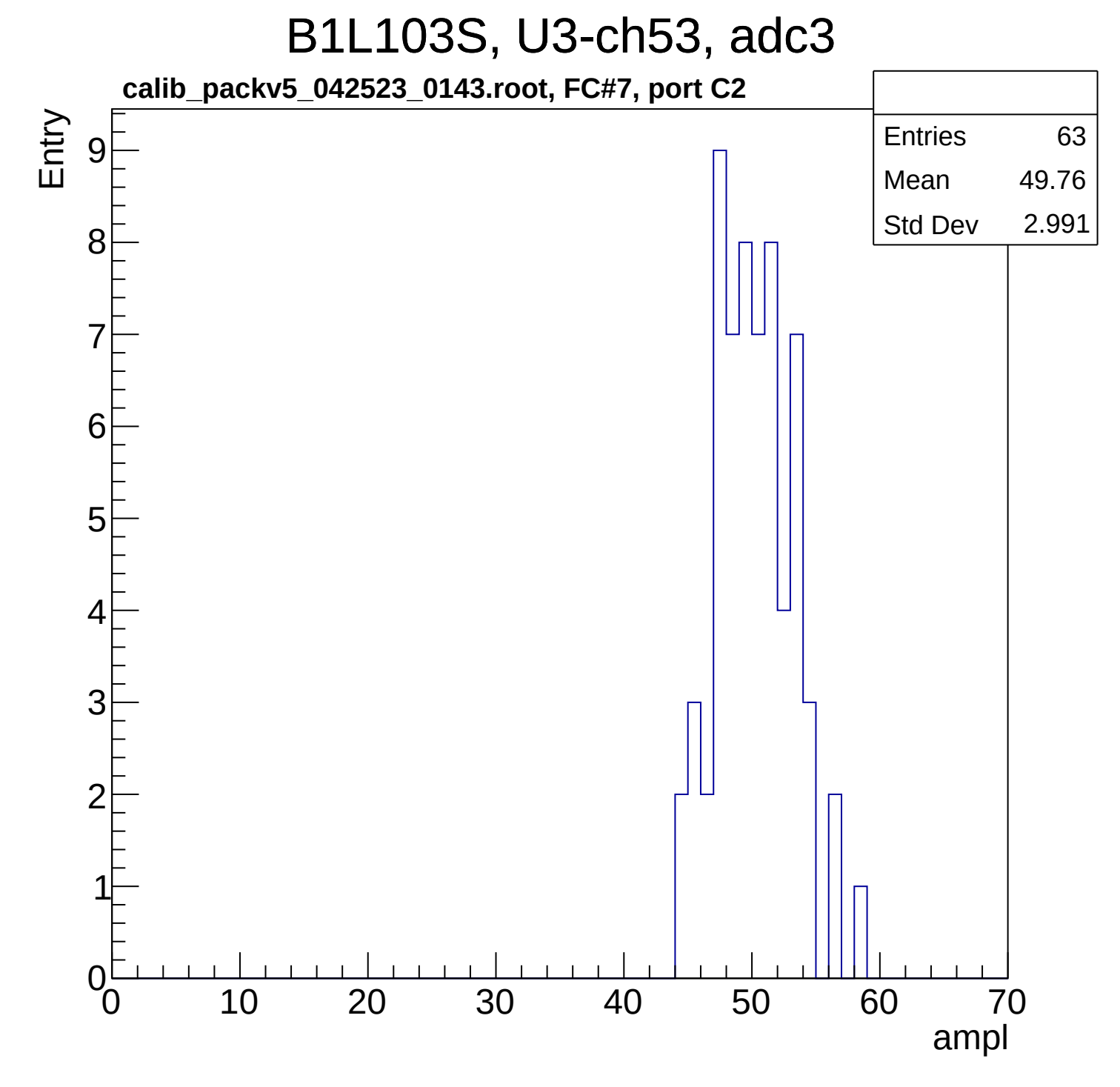
B1L103S, U3-ch53, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 49.76
Std Dev 2.991
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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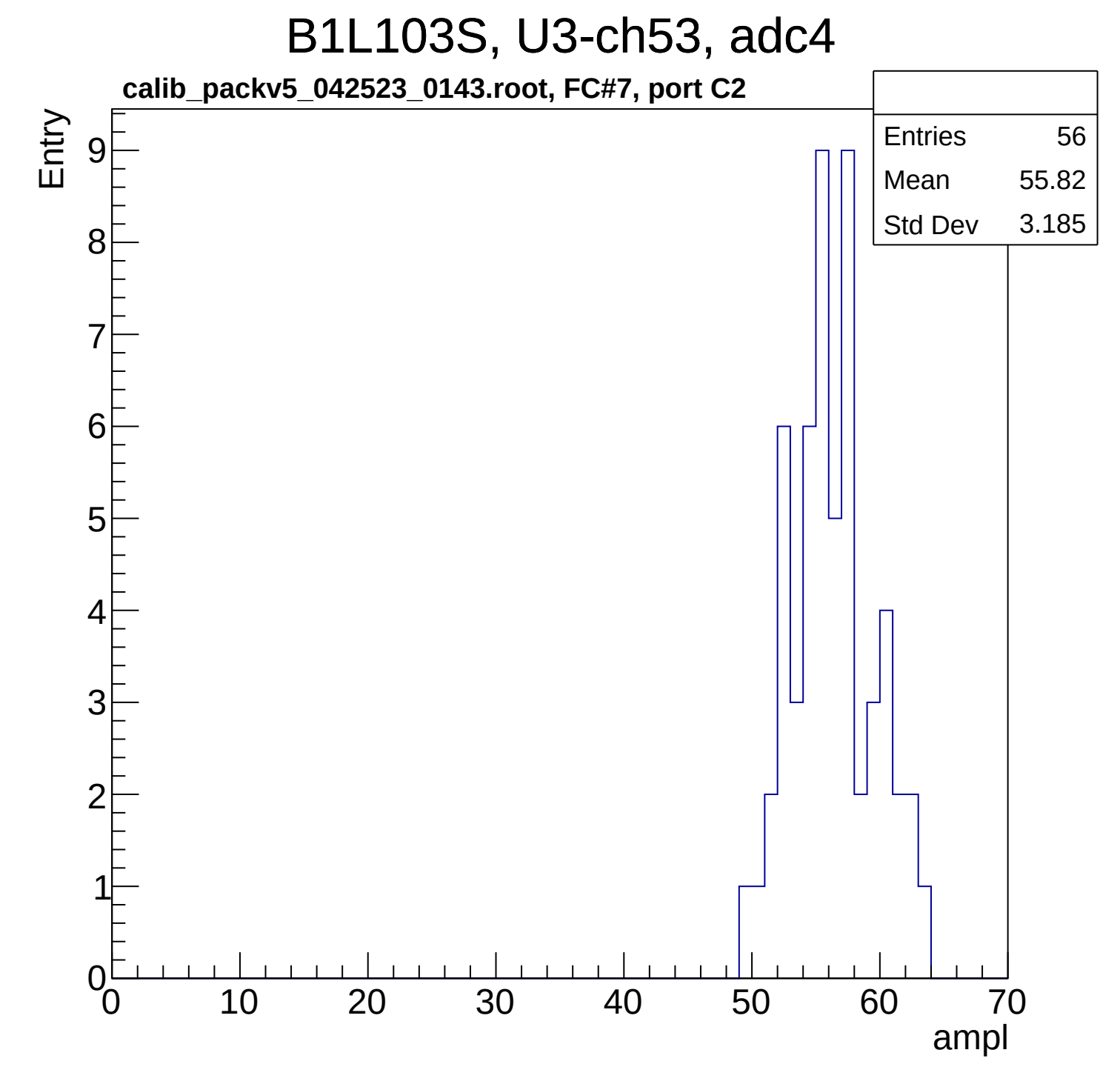
B1L103S, U3-ch53, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 55.82
Std Dev 3.185
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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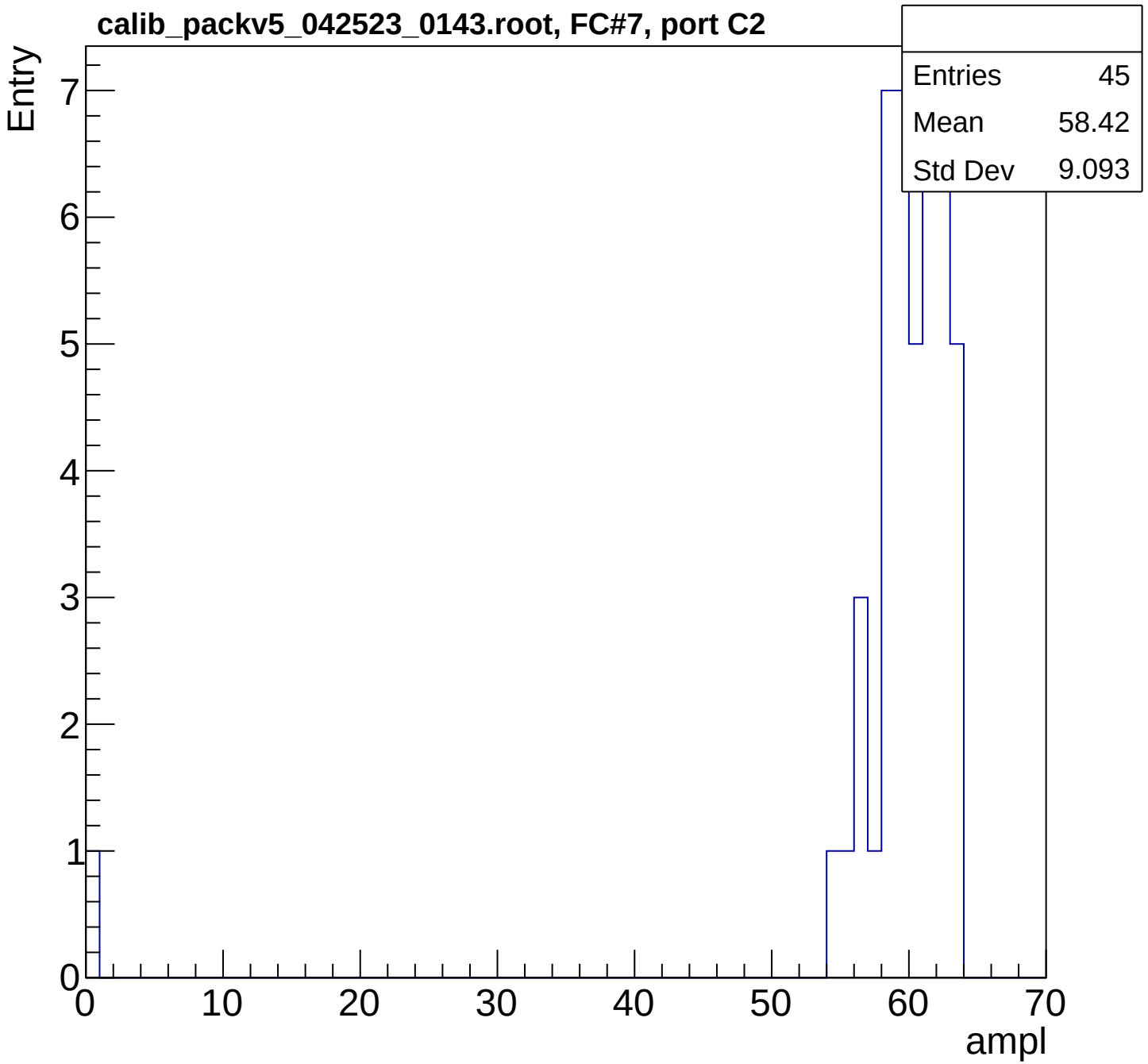
B1L103S, U3-ch53, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 58.42
Std Dev 9.093
Entry
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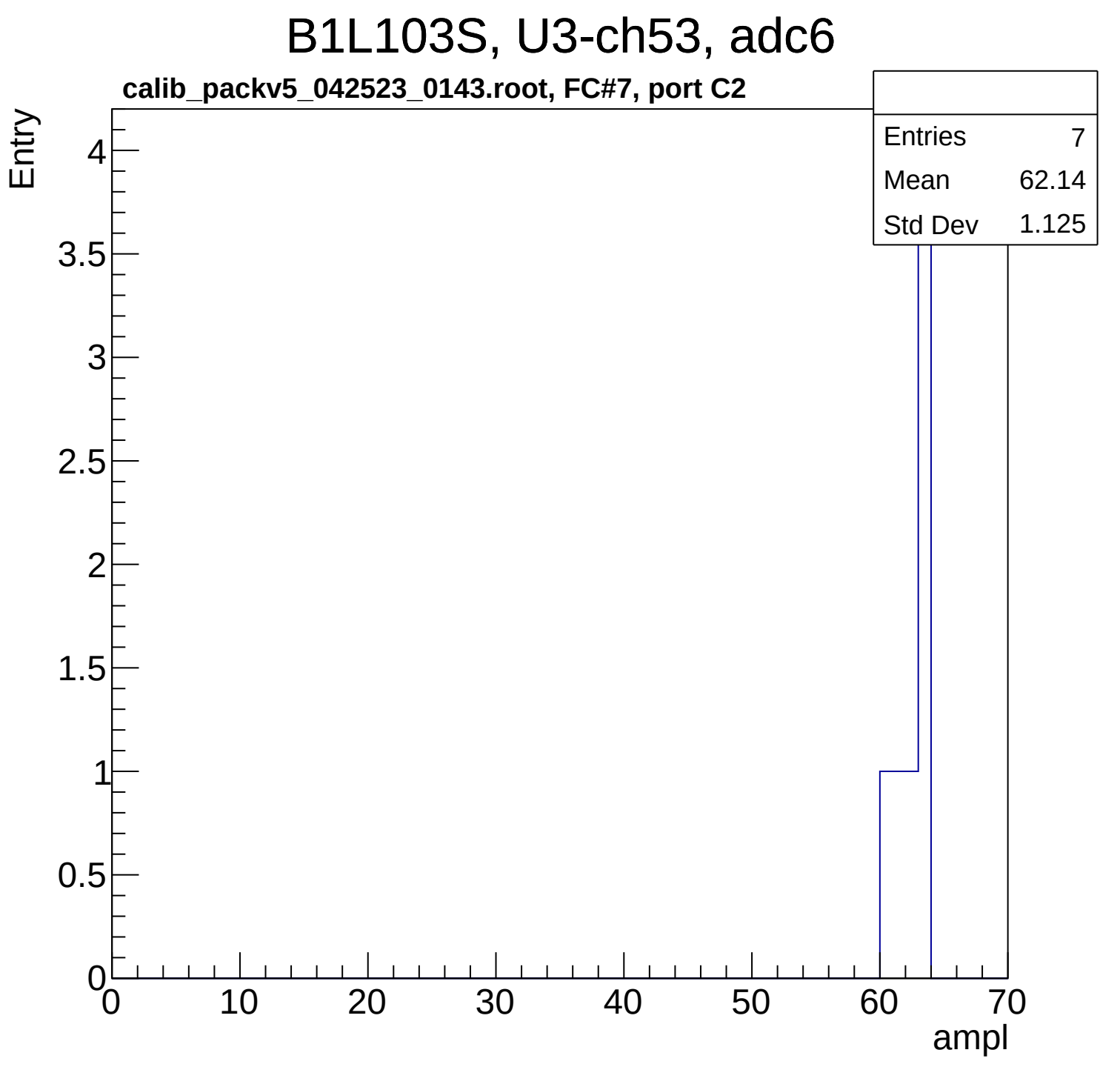
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch53, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 7
Mean 62.14
Std Dev 1.125
Entry
ampl
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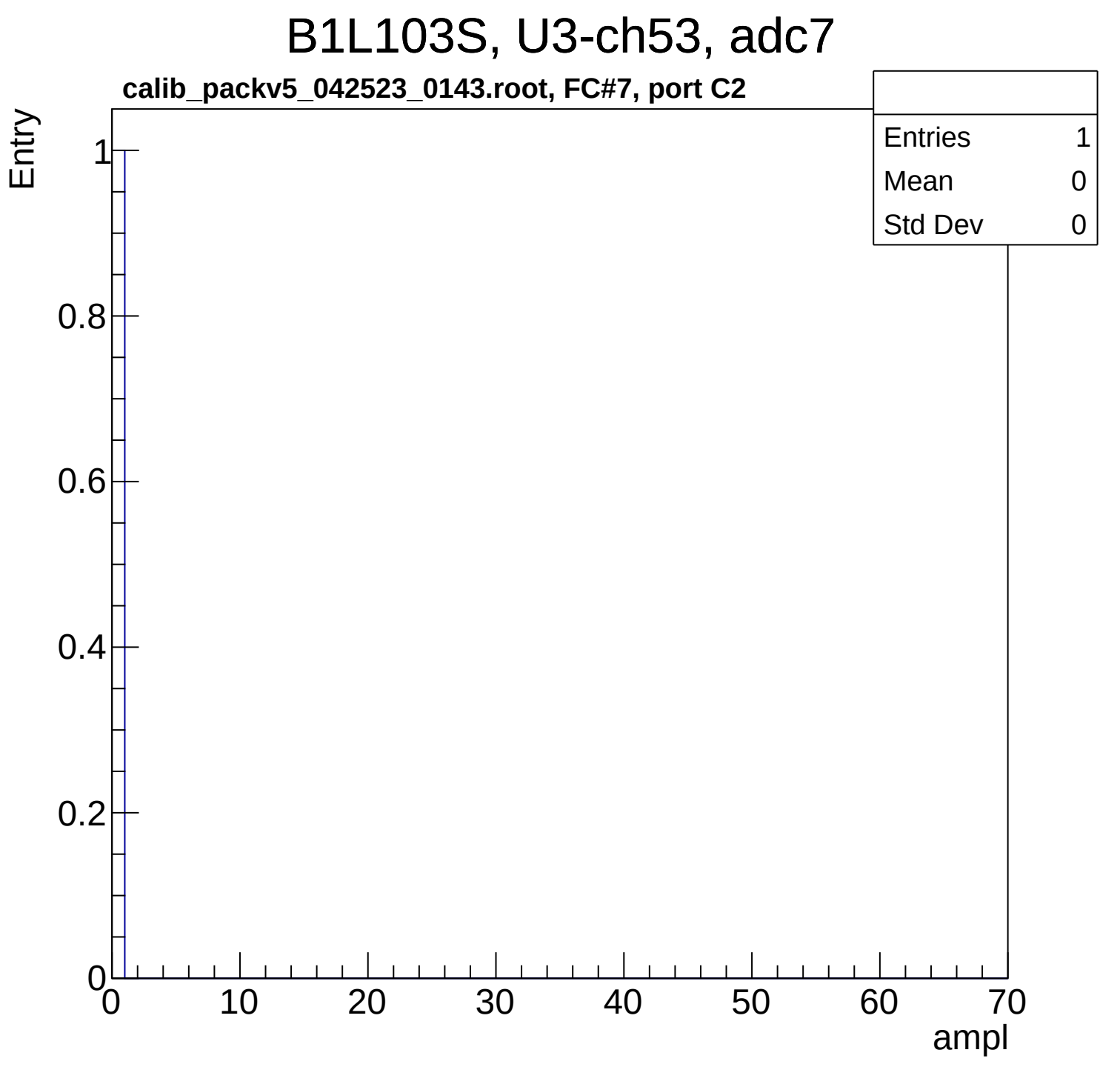
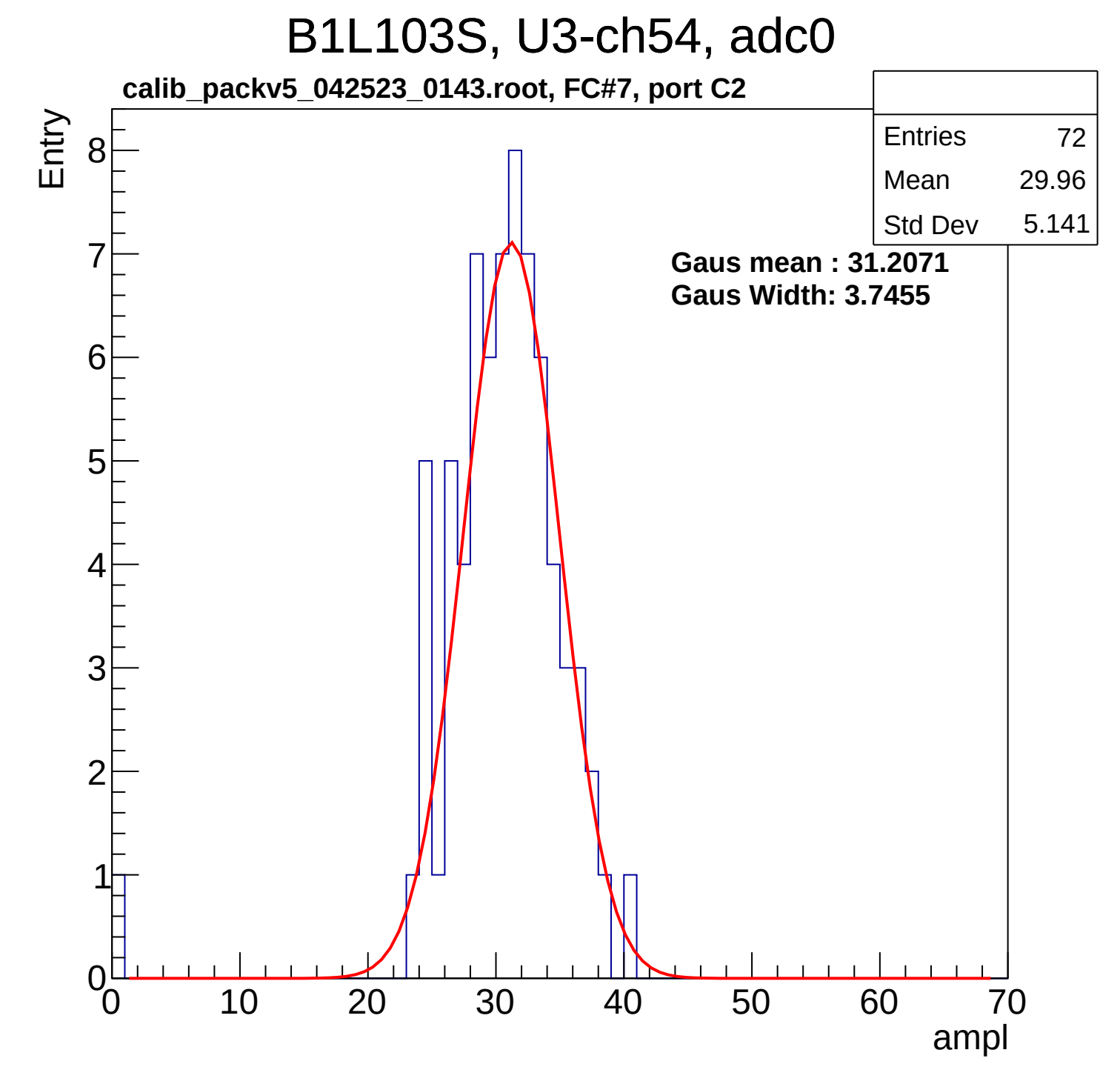
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch53, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch54, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.96
Std Dev 5.141
Gaus mean : 31.2071
Gaus Width: 3.7455
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
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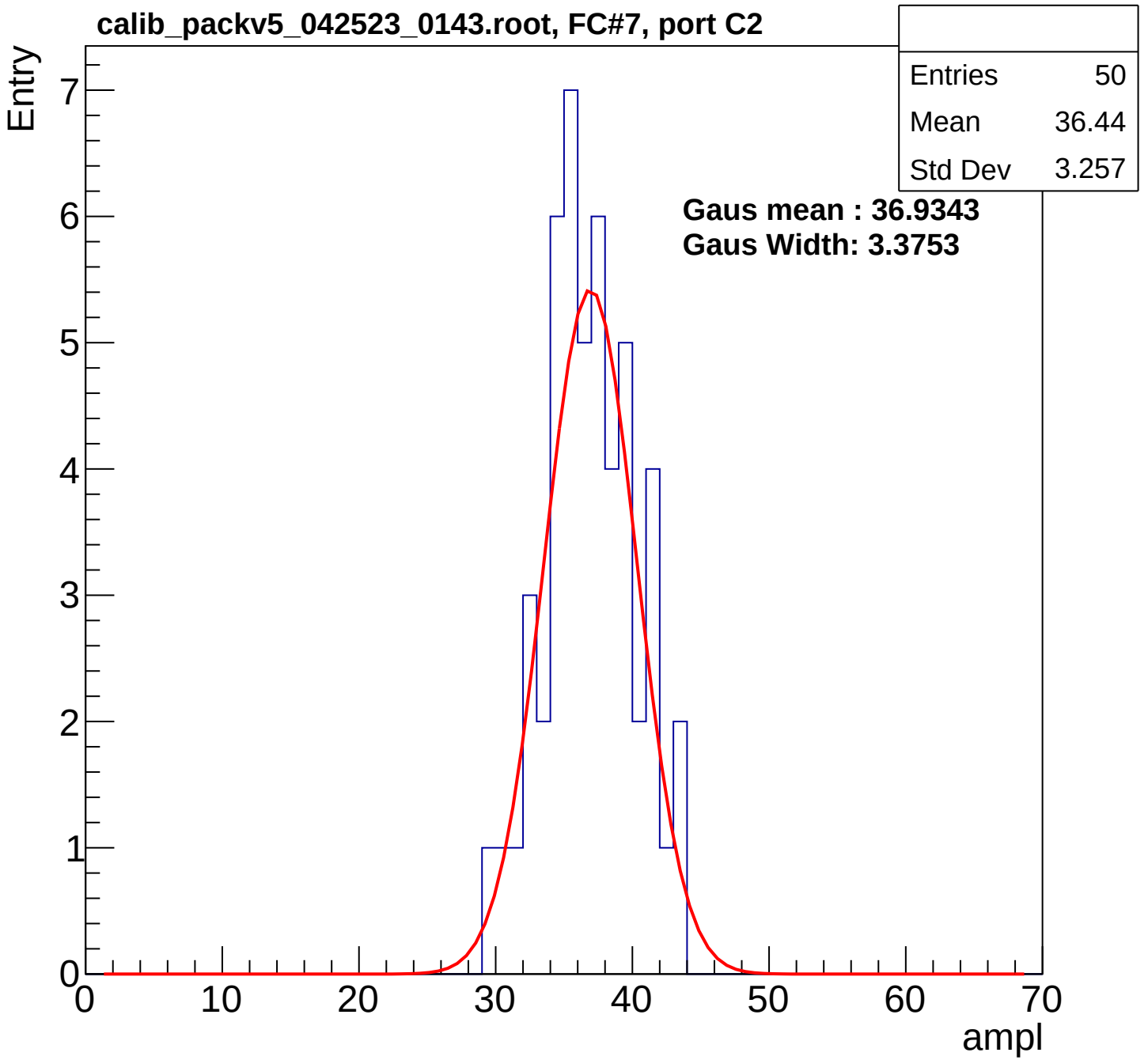
B1L103S, U3-ch54, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 36.44
Std Dev 3.257
Gaus mean : 36.9343
Gaus Width: 3.3753
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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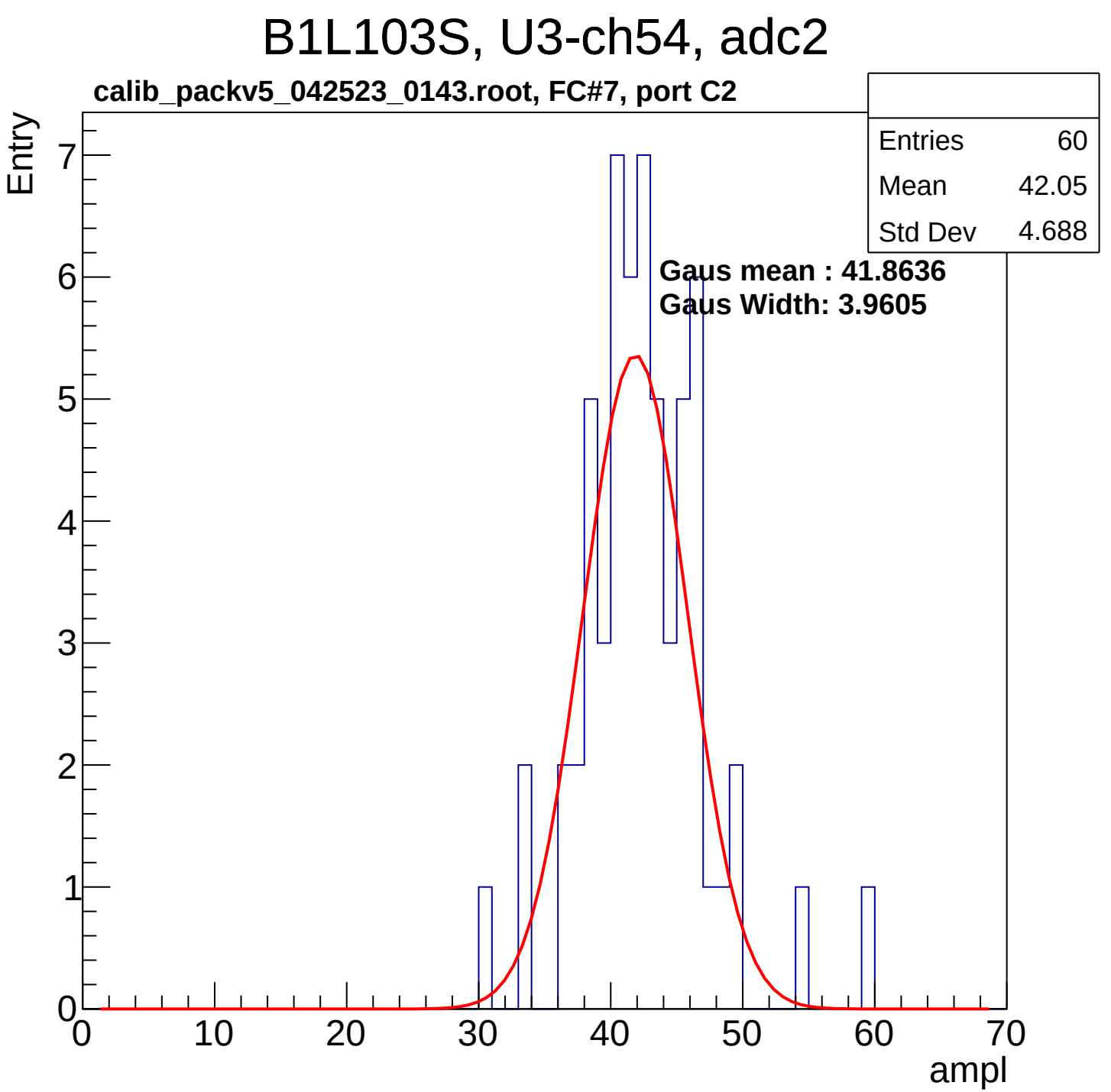
B1L103S, U3-ch54, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 42.05
Std Dev 4.688
Gaus mean : 41.8636
Gaus Width: 3.9605
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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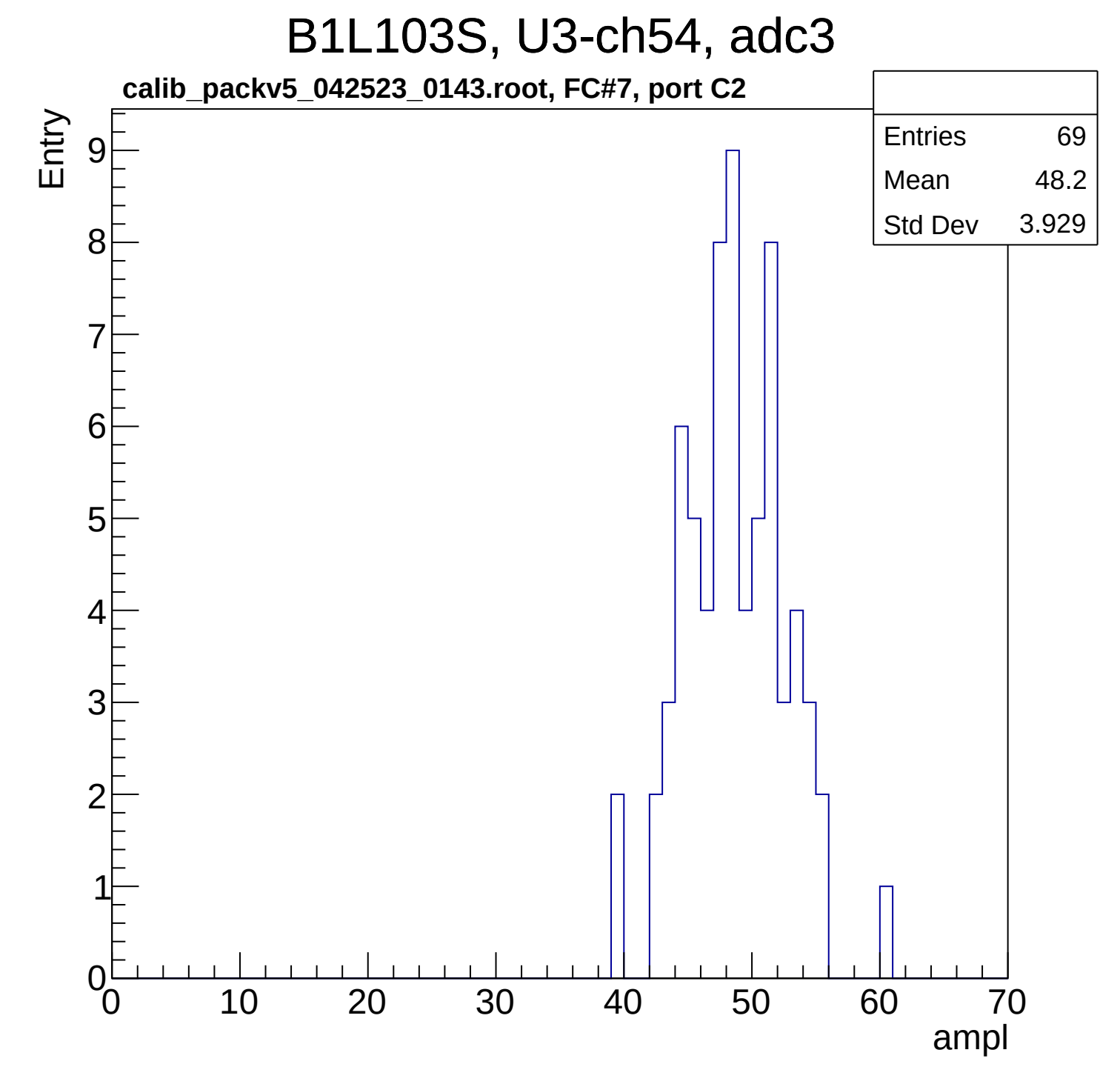
B1L103S, U3-ch54, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 48.2
Std Dev 3.929
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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60
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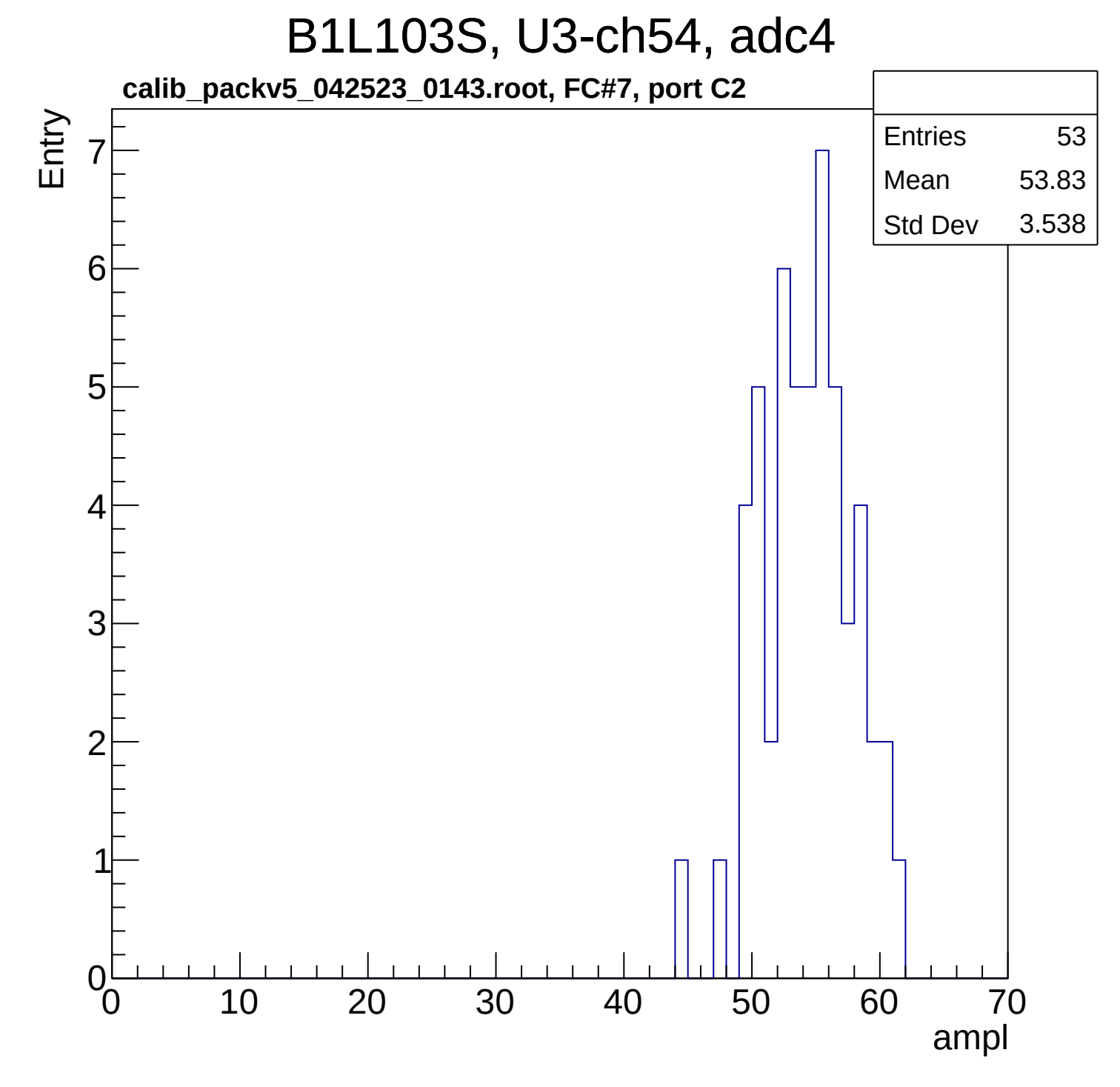
B1L103S, U3-ch54, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 53.83
Std Dev 3.538
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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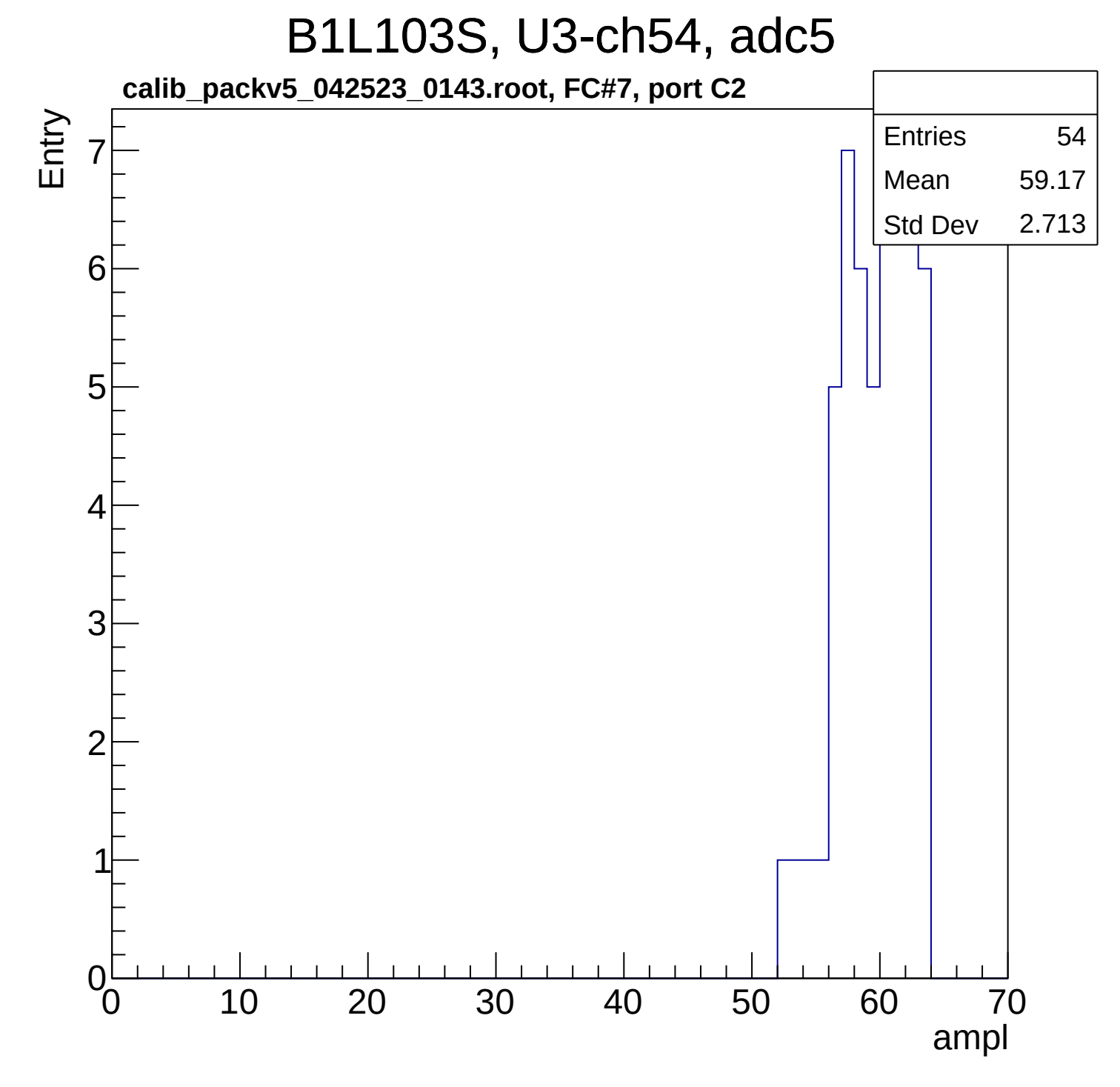
B1L103S, U3-ch54, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 59.17
Std Dev 2.713
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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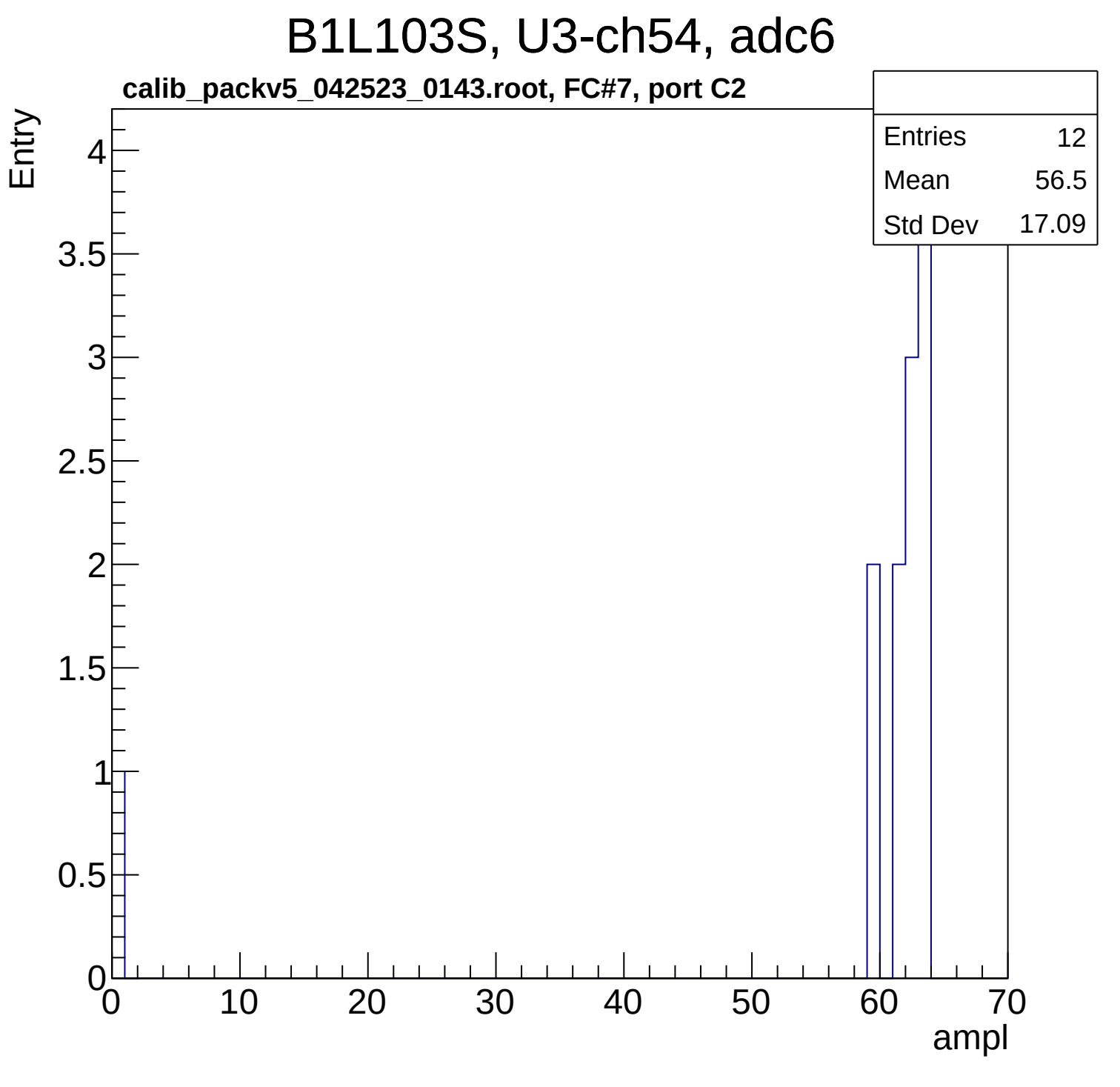
B1L103S, U3-ch54, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 56.5
Std Dev 17.09
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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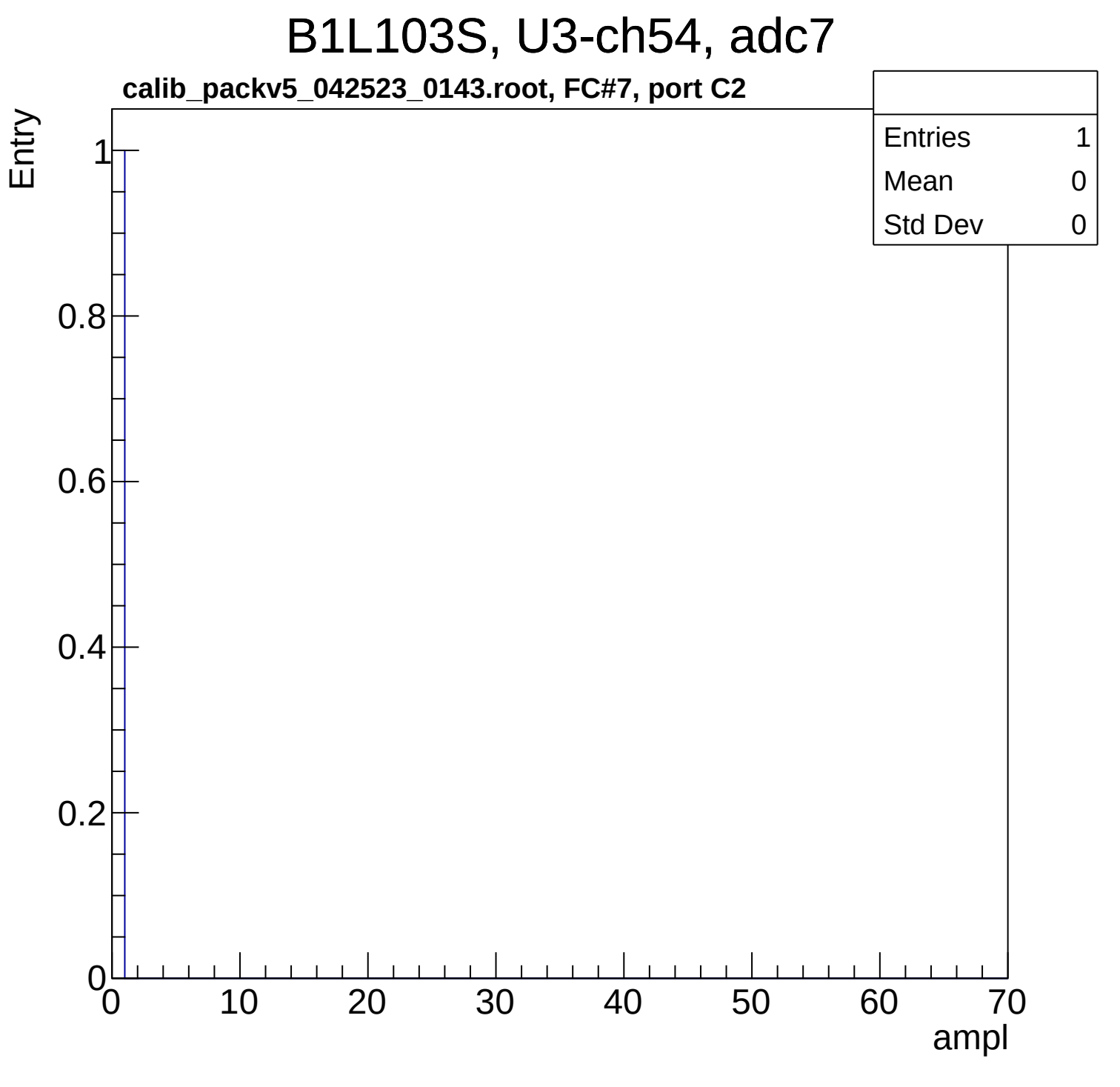
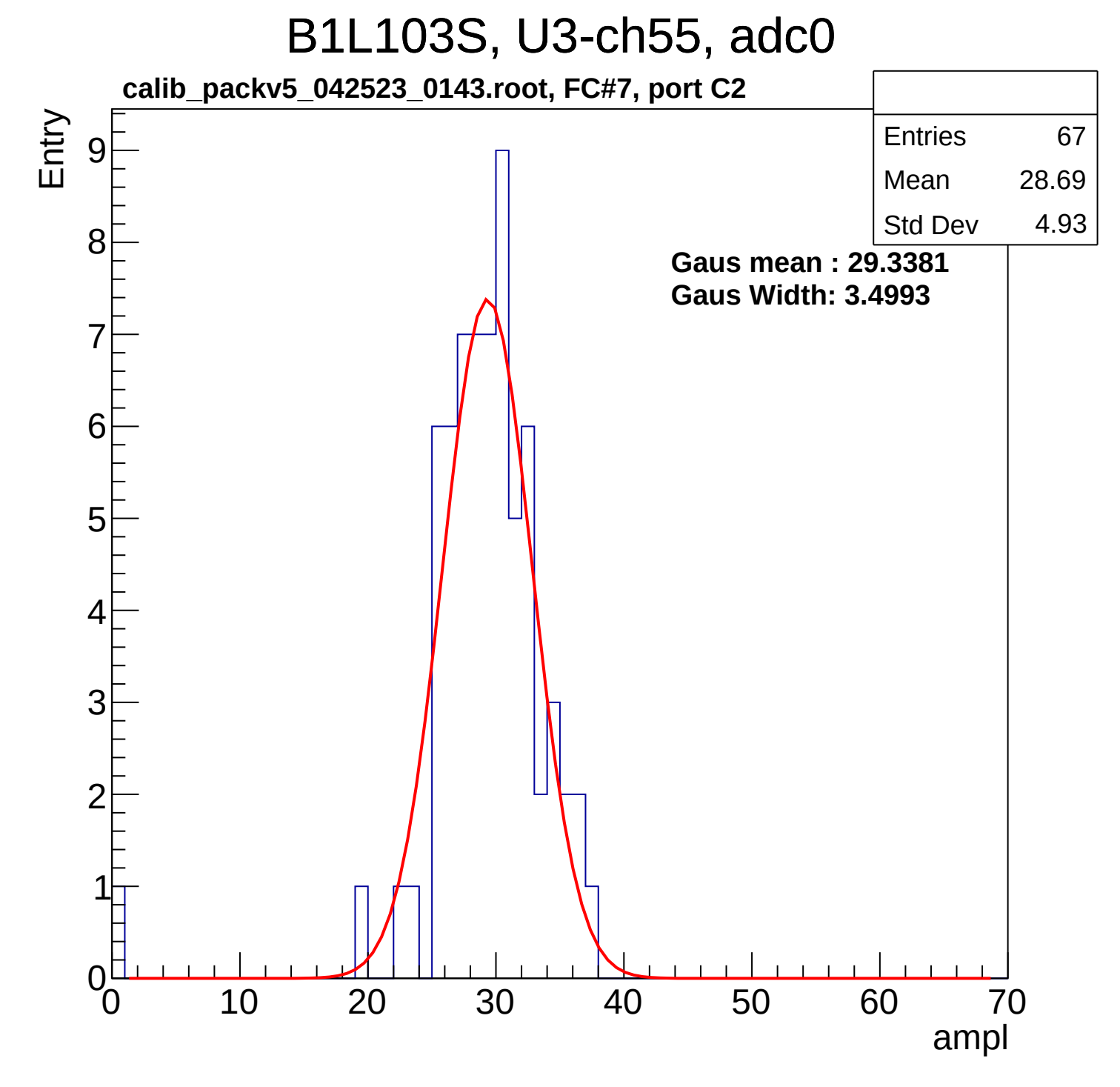

B1L103S, U3-ch54, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch55, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 28.69
Std Dev 4.93
Gaus mean : 29.3381
Gaus Width: 3.4993
Entry
ampl
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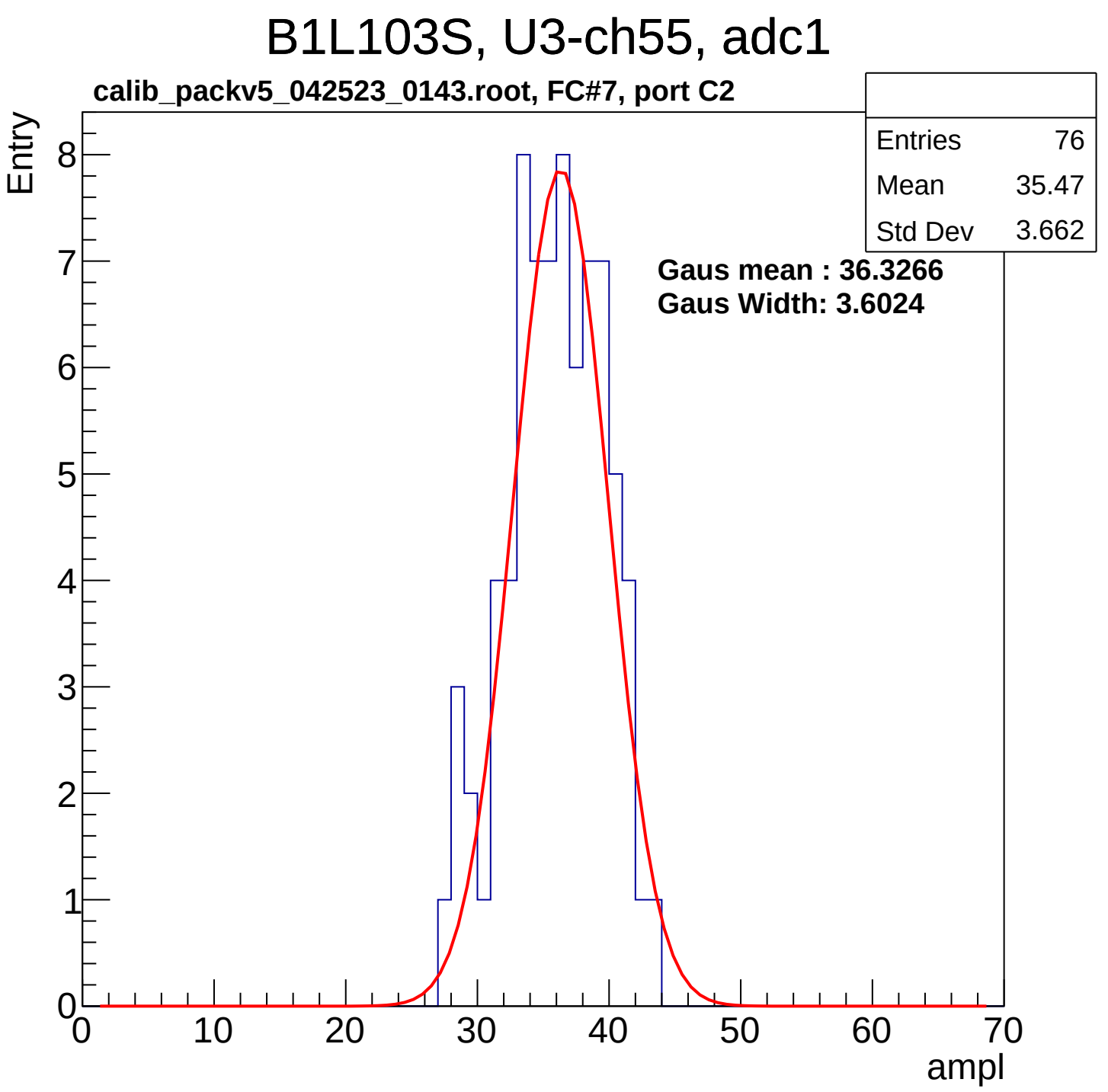
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch55, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 35.47
Std Dev 3.662
Gaus mean : 36.3266
Gaus Width: 3.6024
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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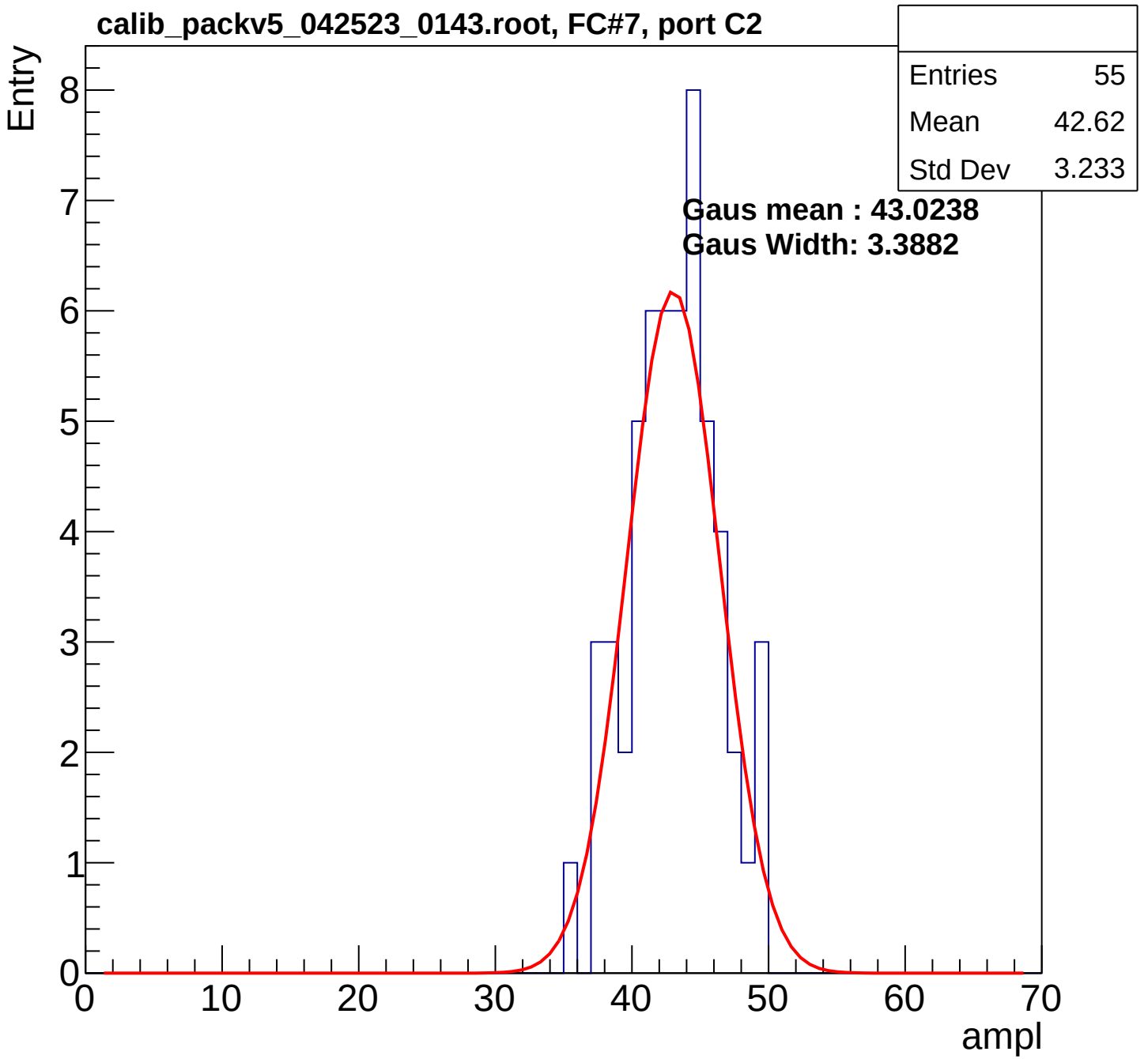
B1L103S, U3-ch55, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 42.62
Std Dev 3.233
Gaus mean : 43.0238
Gaus Width: 3.3882
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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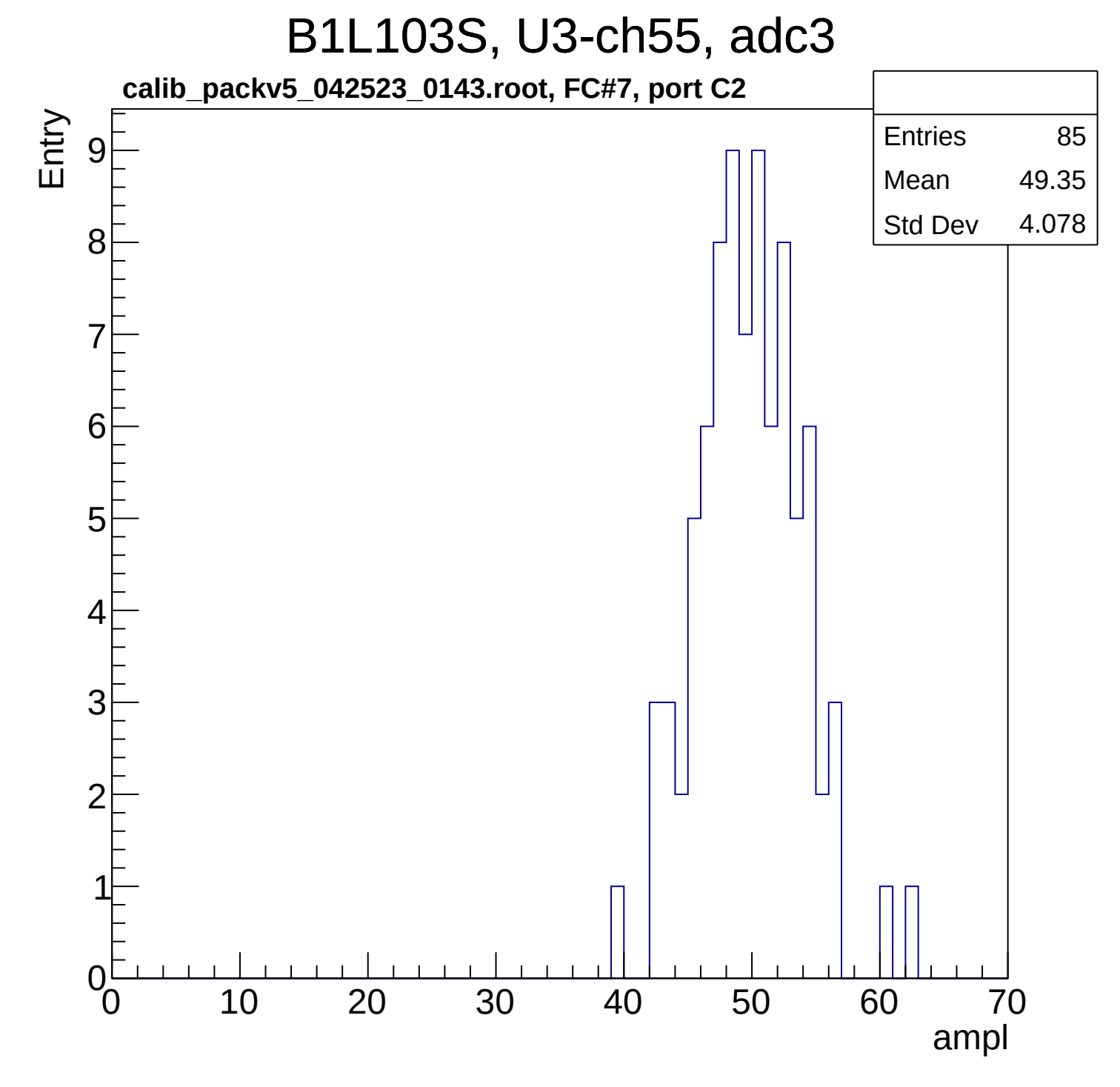
B1L103S, U3-ch55, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 85
Mean 49.35
Std Dev 4.078
Entry
ampl
0
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2
3
4
5
6
7
8
9
0
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60
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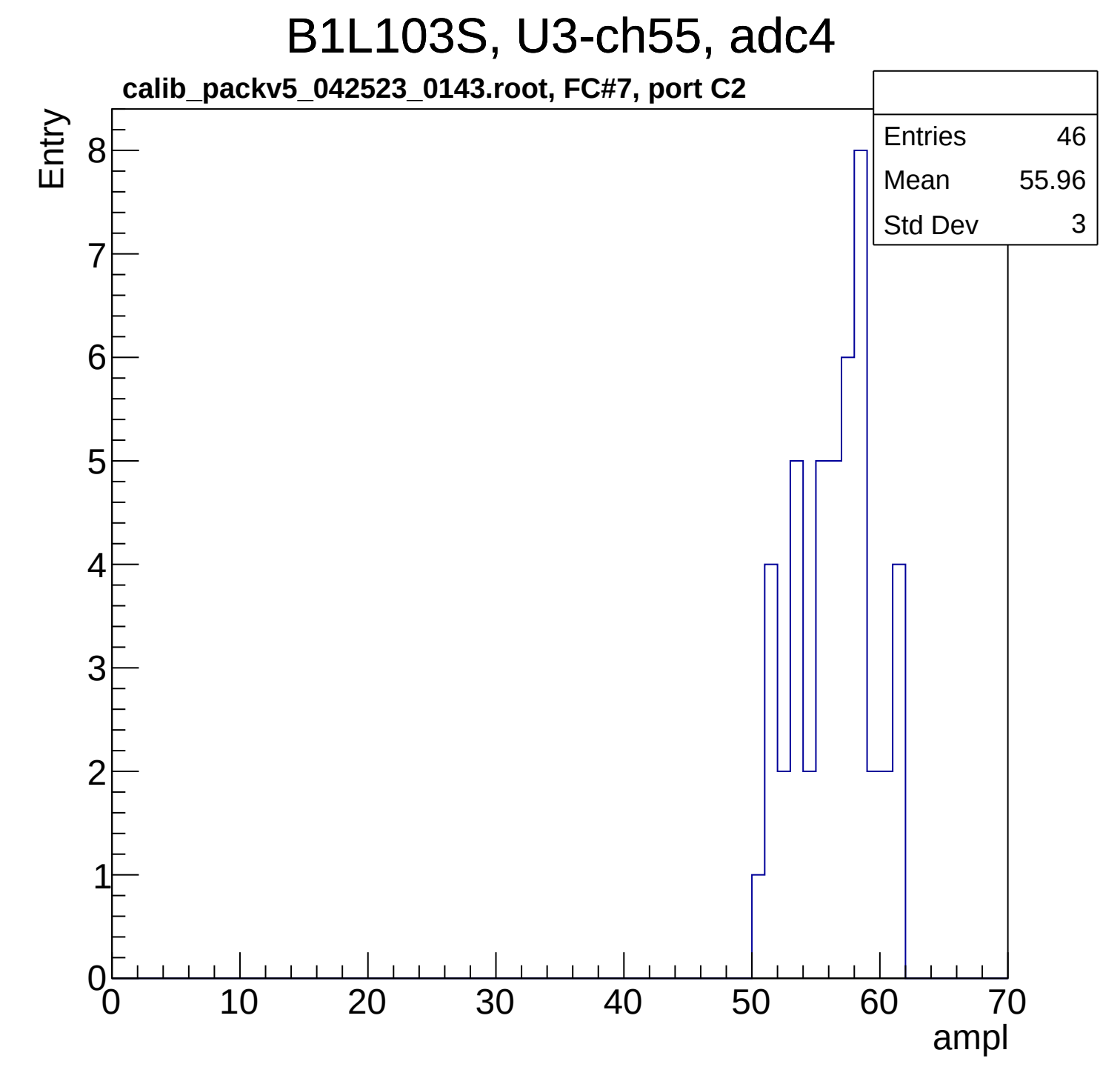
B1L103S, U3-ch55, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 55.96
Std Dev 3
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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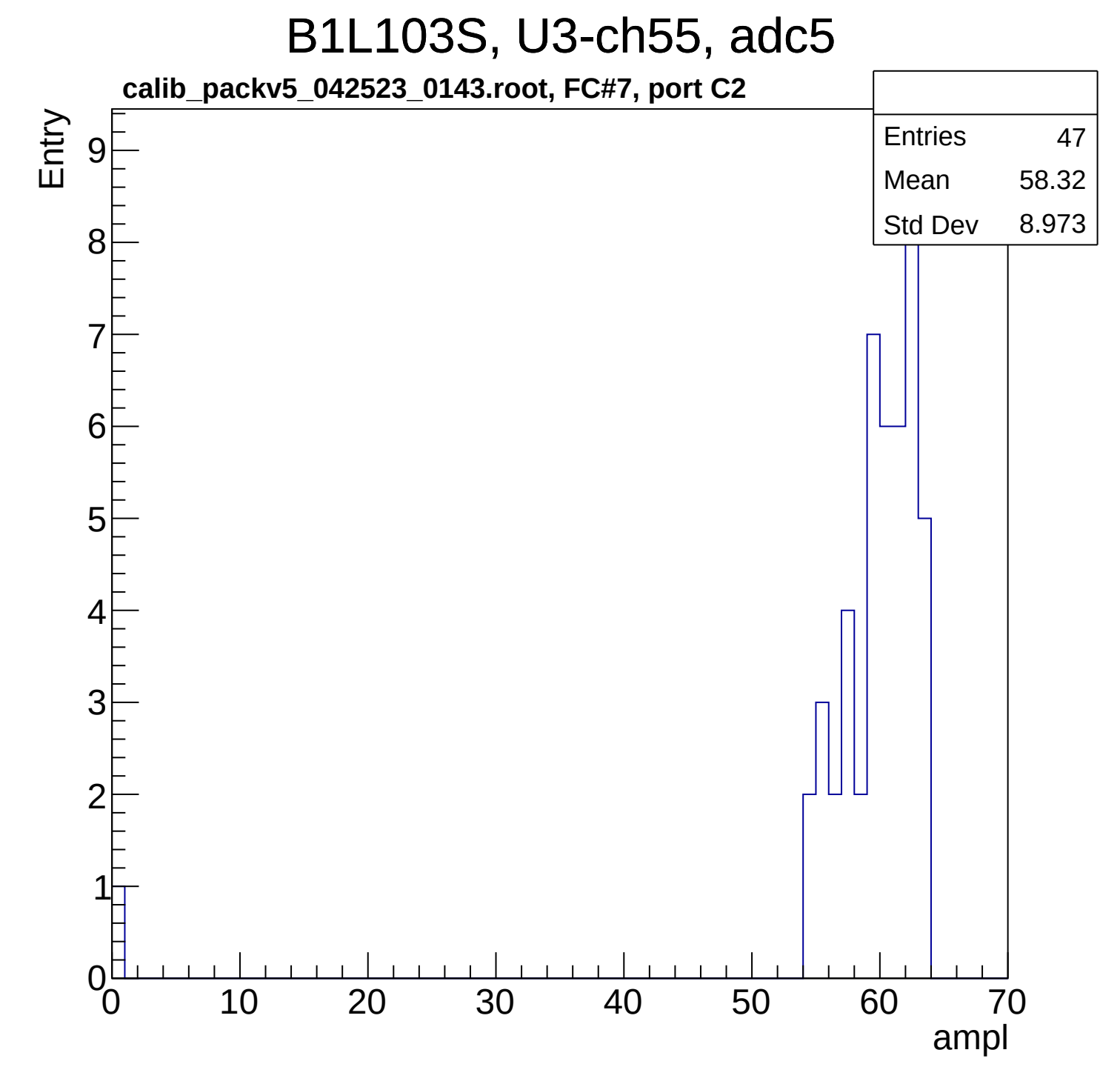
B1L103S, U3-ch55, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 58.32
Std Dev 8.973
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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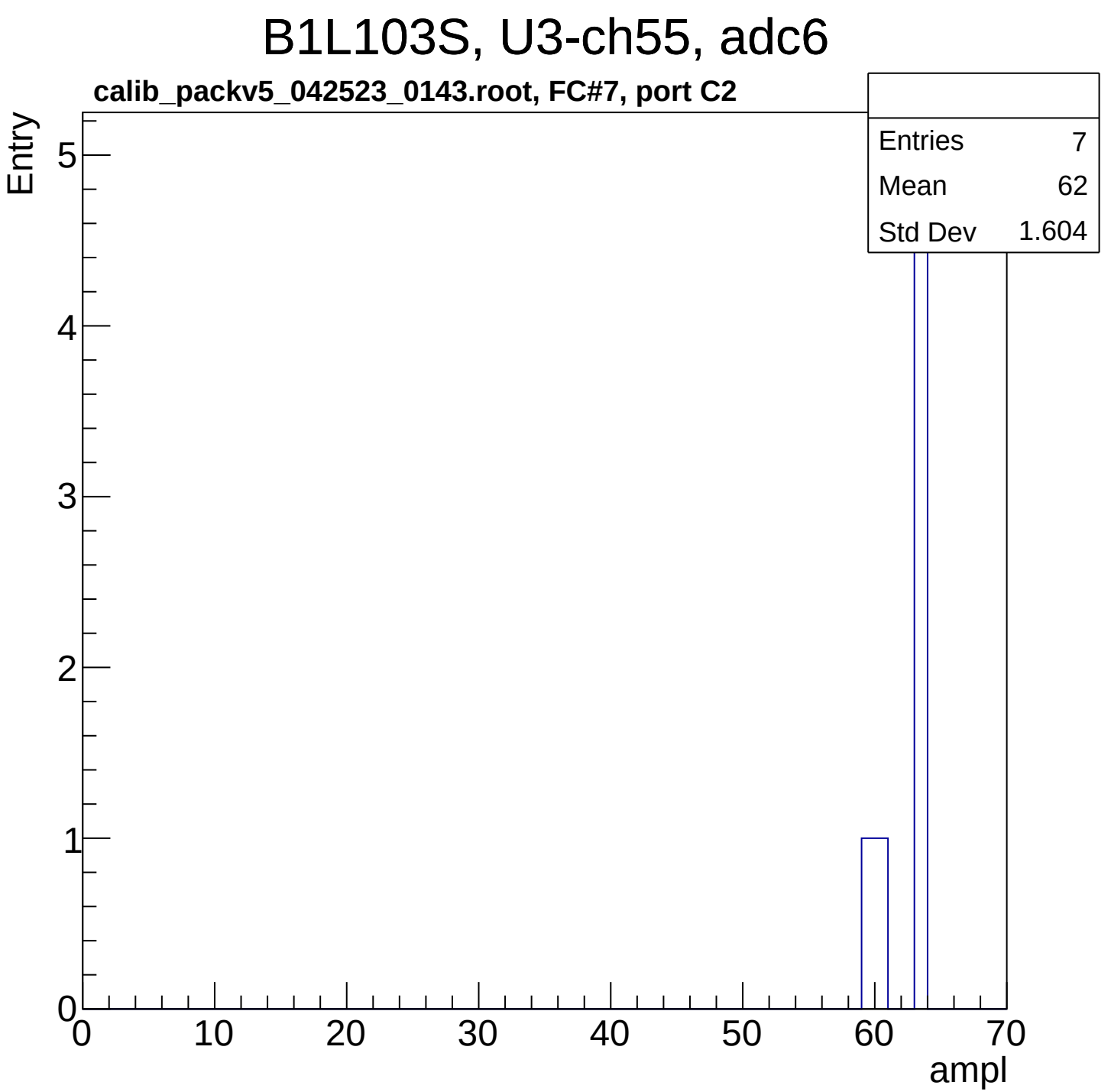
B1L103S, U3-ch55, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 7
Mean 62
Std Dev 1.604
Entry
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2
3
4
5
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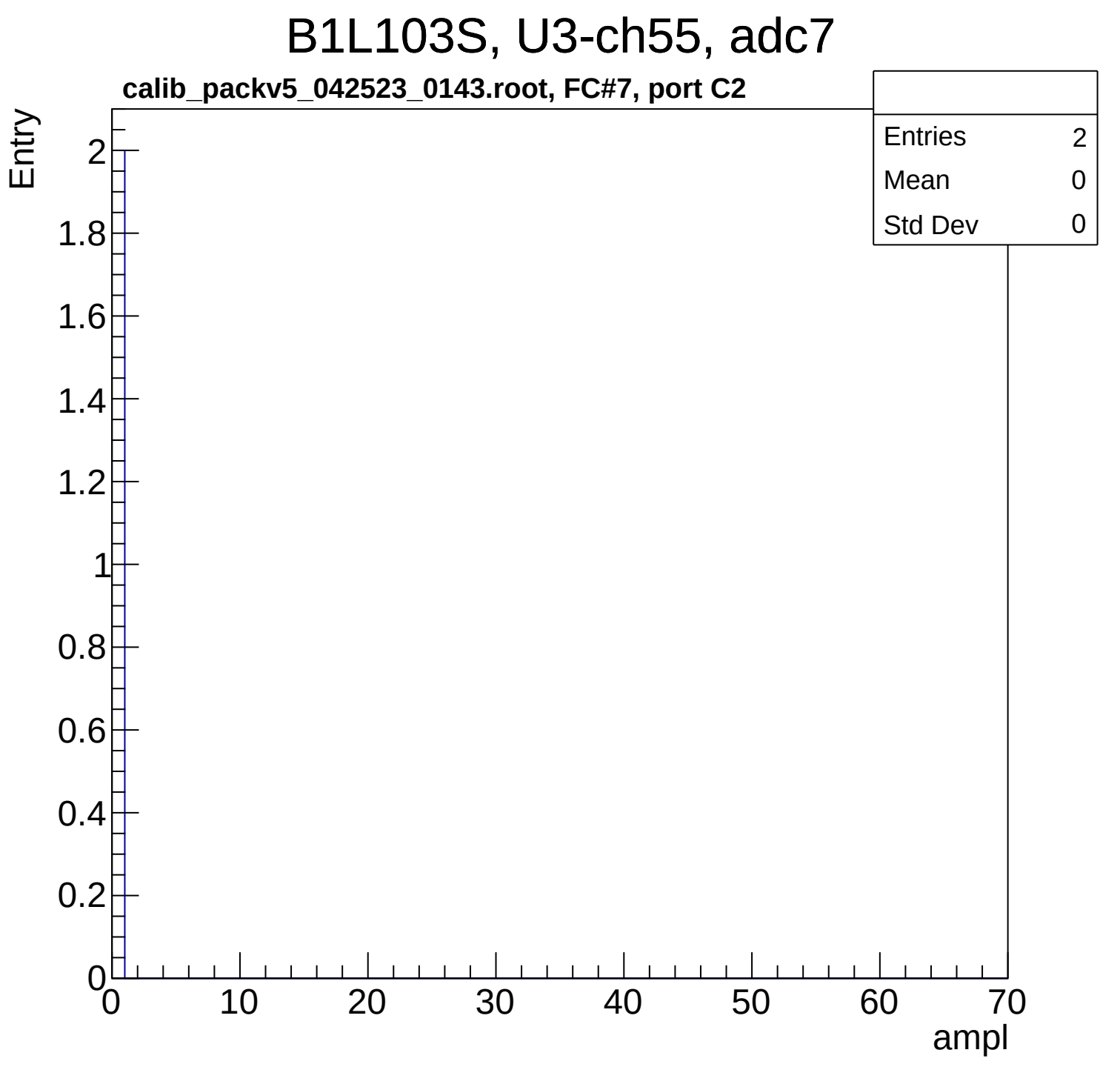
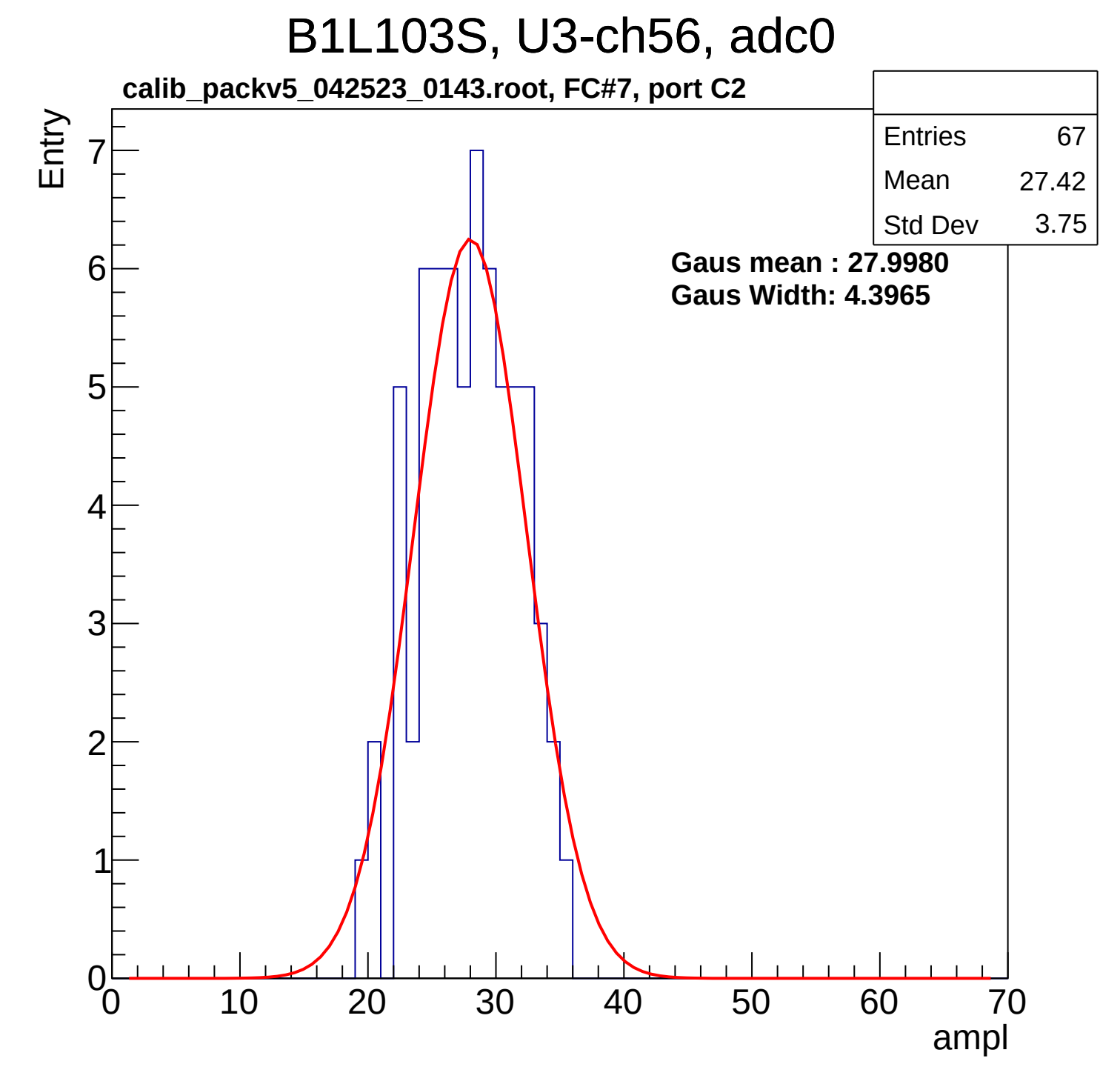
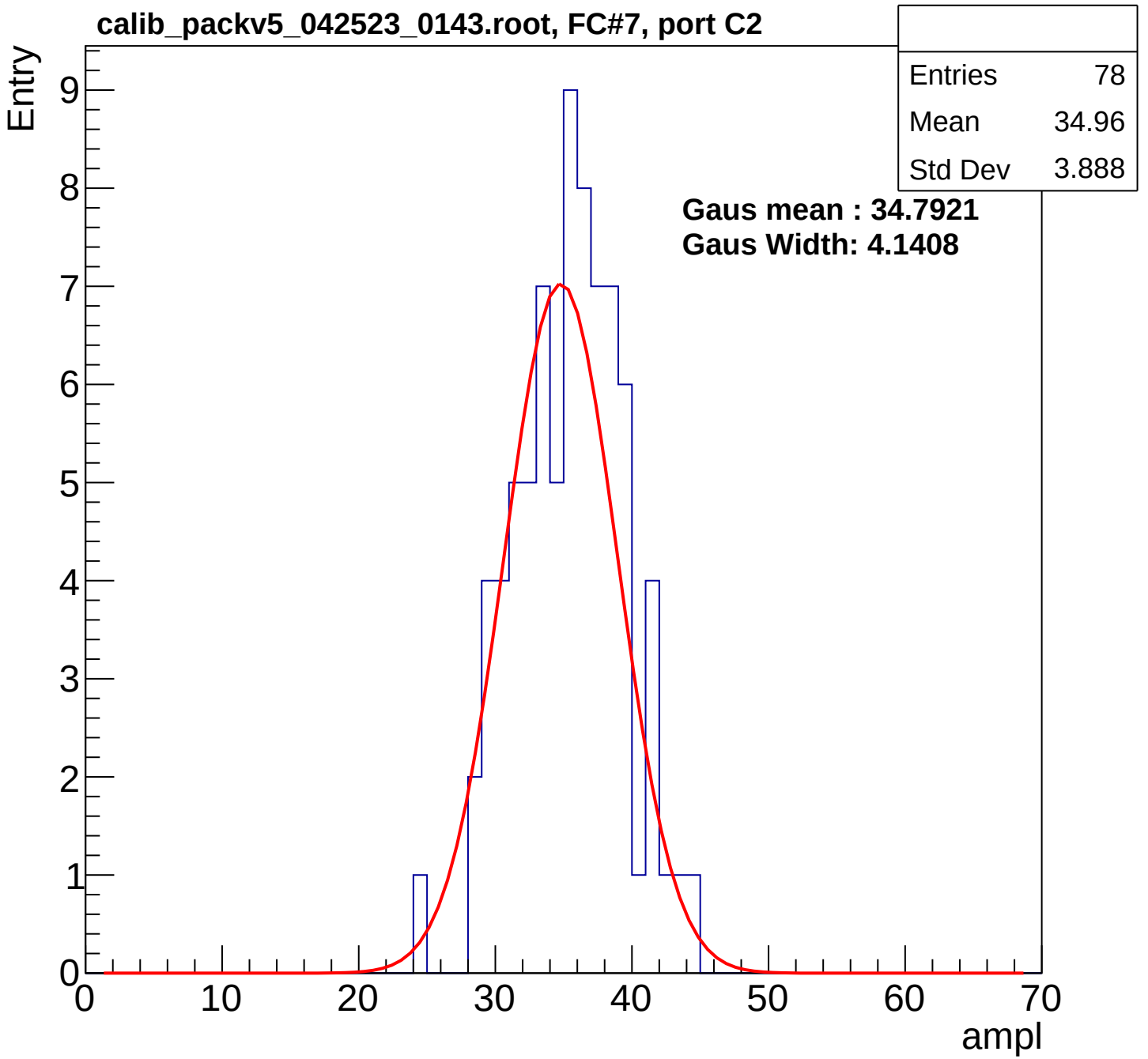
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch55, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch56, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 27.42
Std Dev 3.75
Gaus mean : 27.9980
Gaus Width: 4.3965
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch56, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 78
Mean 34.96
Std Dev 3.888
Gaus mean : 34.7921
Gaus Width: 4.1408
Entry
ampl
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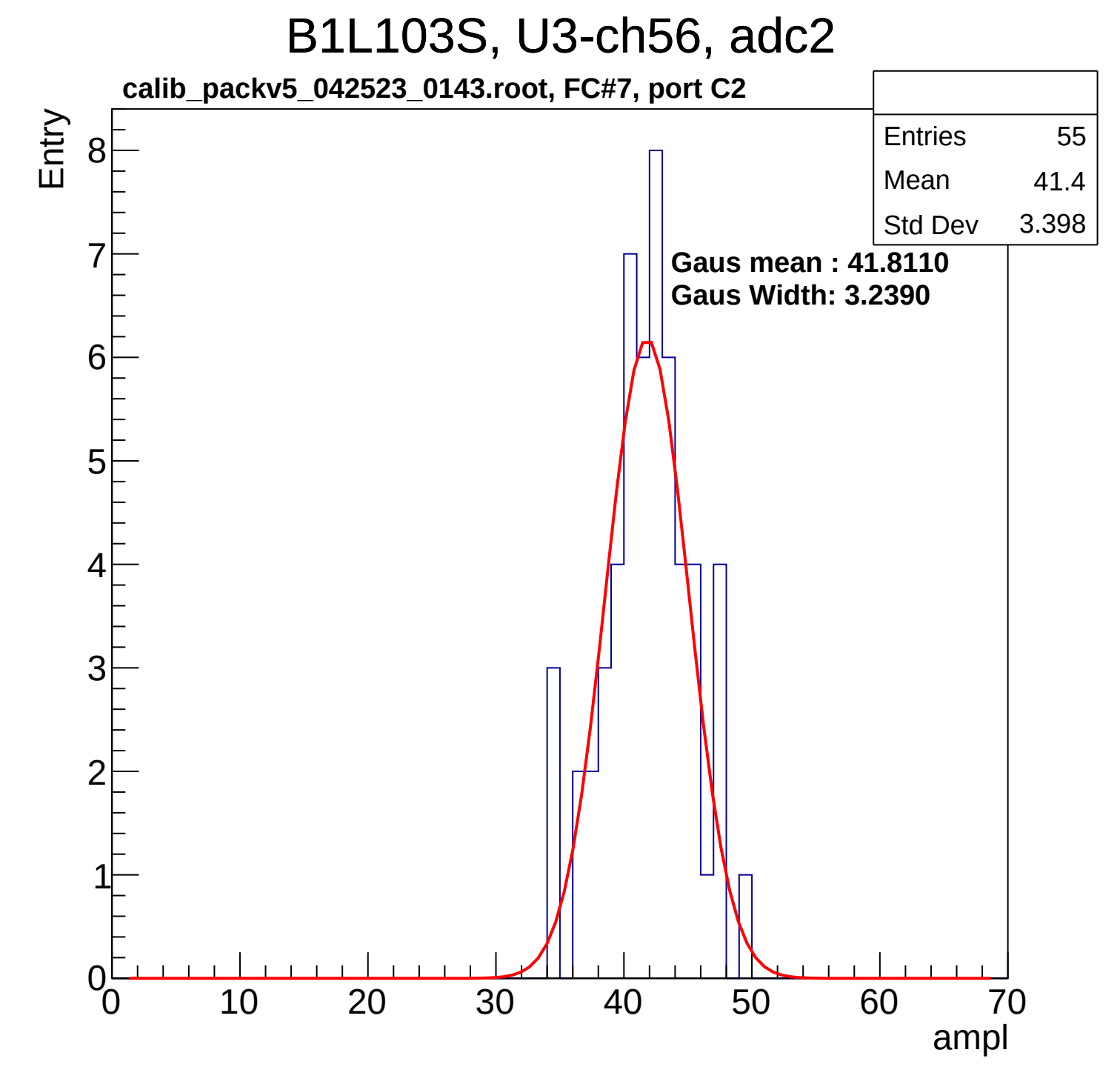
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch56, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 41.4
Std Dev 3.398
Gaus mean : 41.8110
Gaus Width: 3.2390
Entry
ampl
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1
2
3
4
5
6
7
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0
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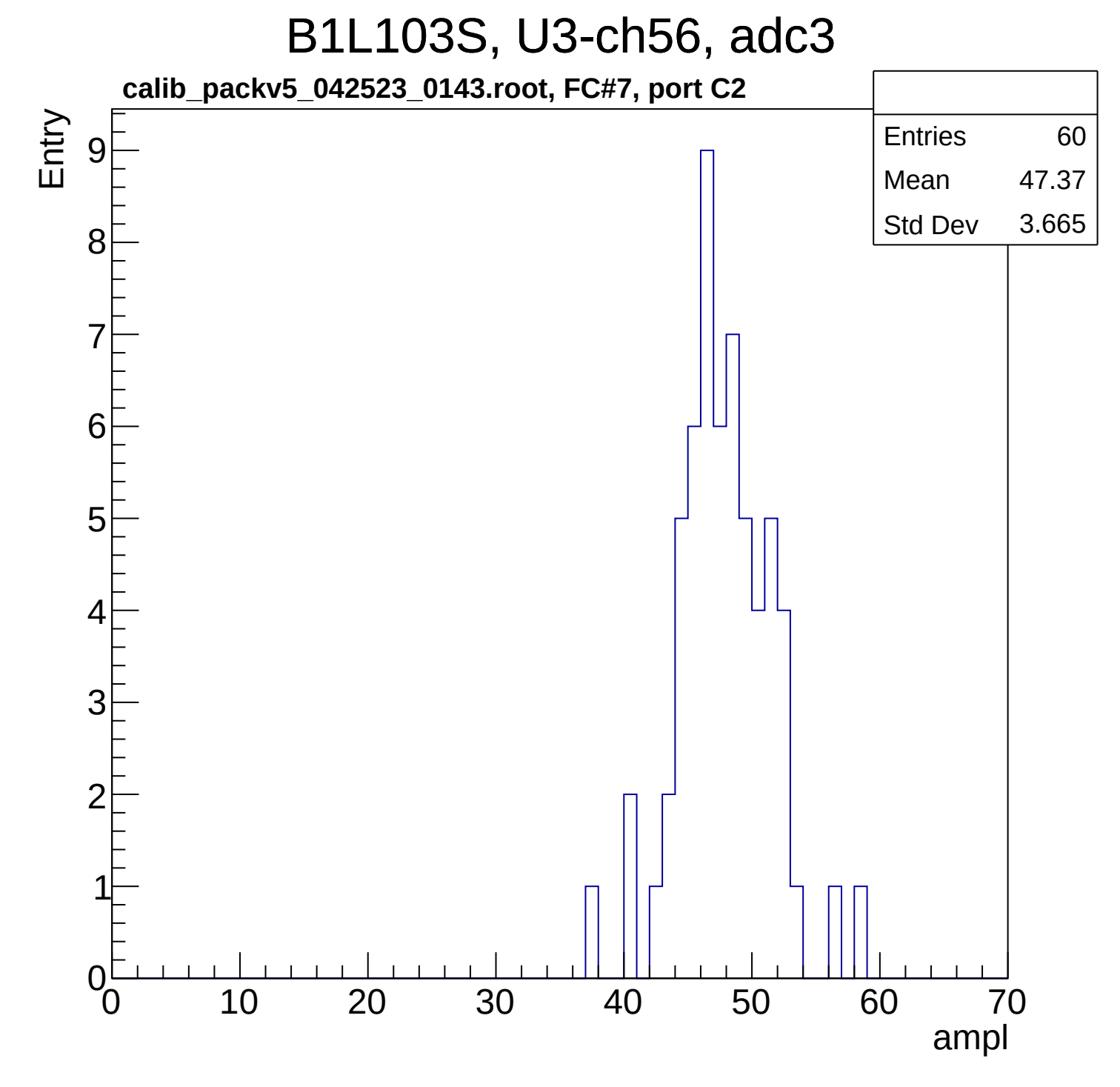
B1L103S, U3-ch56, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 47.37
Std Dev 3.665
Entry
ampl
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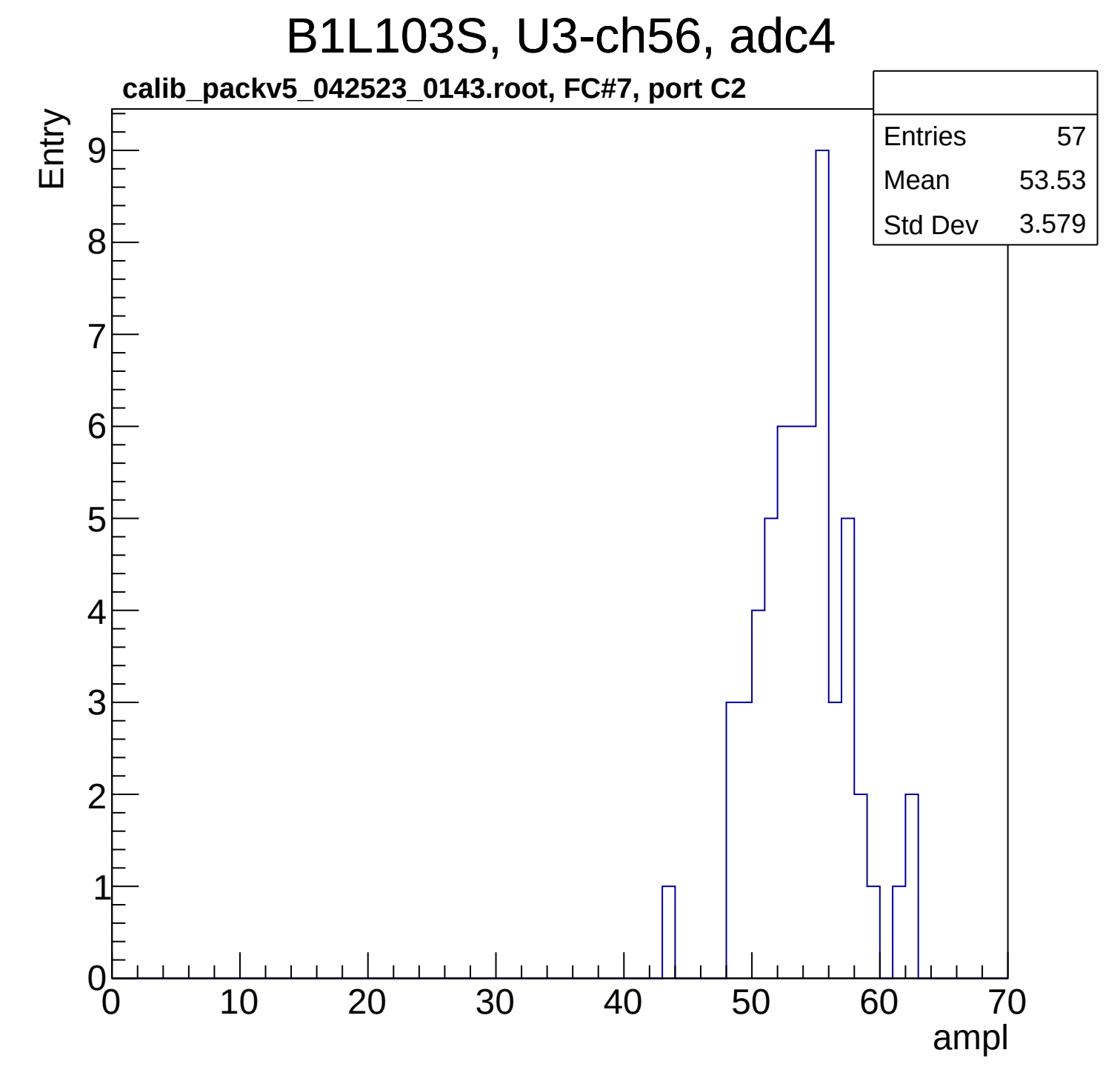
B1L103S, U3-ch56, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 53.53
Std Dev 3.579
Entry
ampl
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3
4
5
6
7
8
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0
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40
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60
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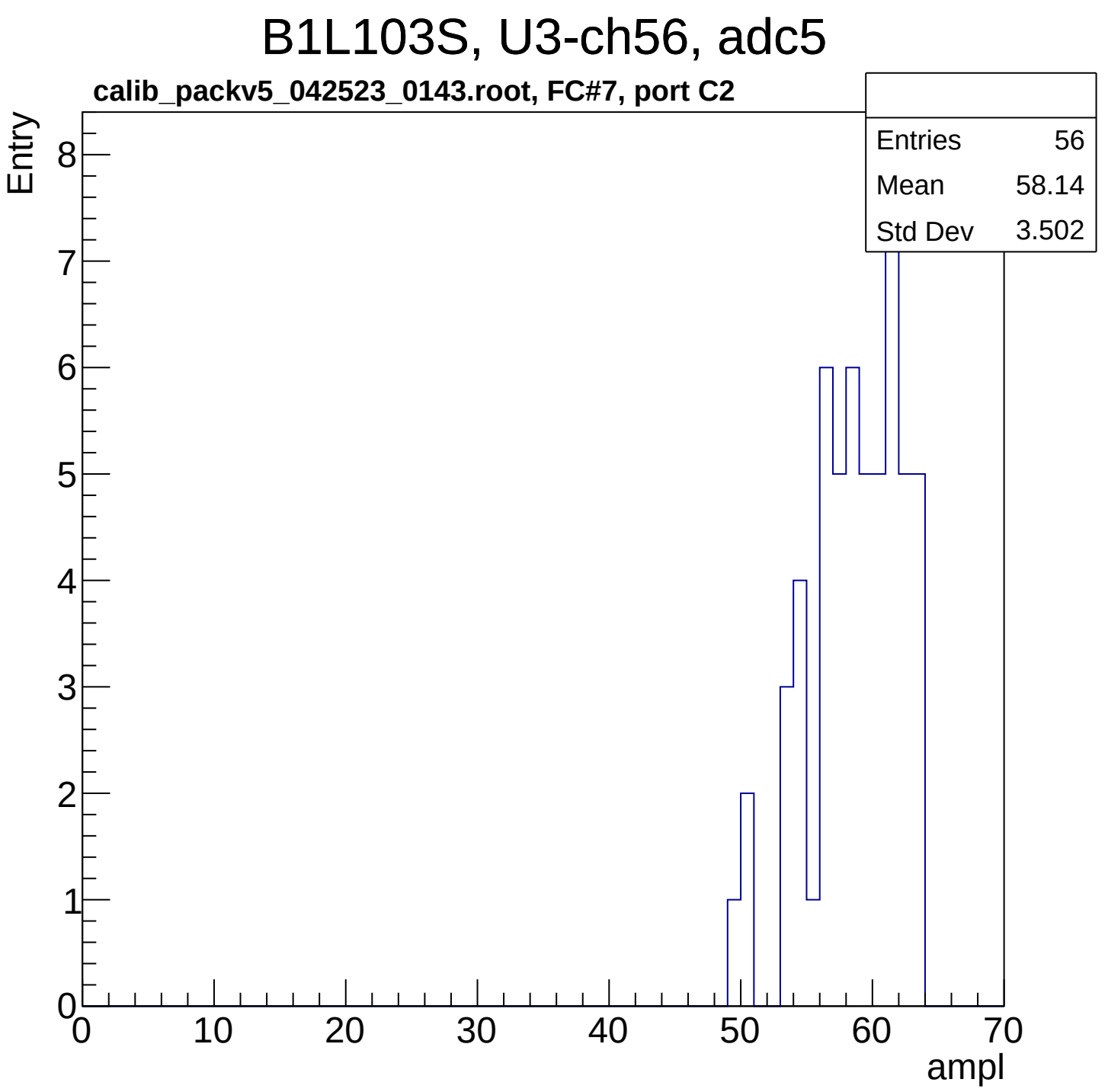
B1L103S, U3-ch56, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 58.14
Std Dev 3.502
Entry
ampl
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60
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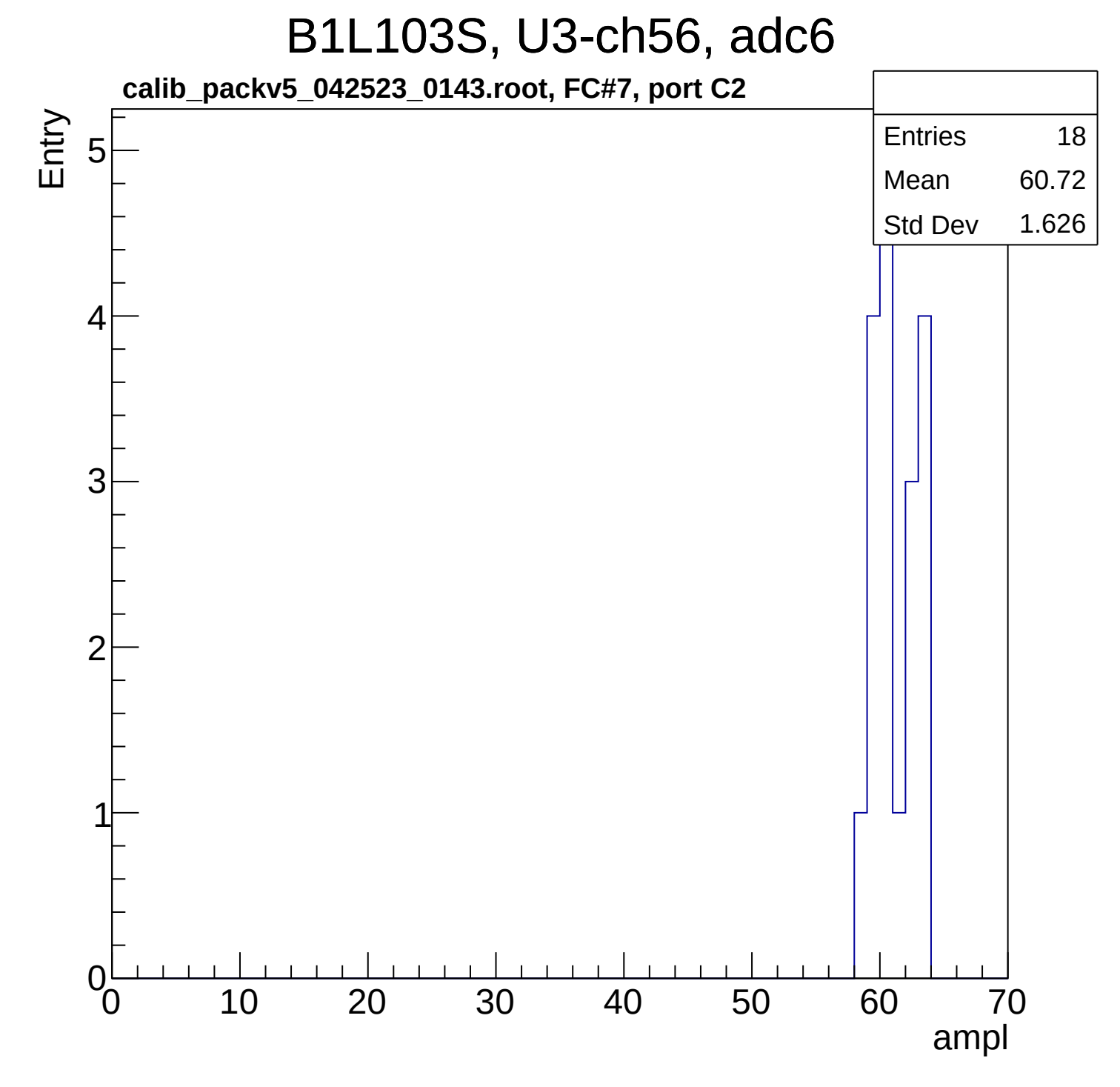
B1L103S, U3-ch56, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 60.72
Std Dev 1.626
Entry
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3
4
5
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10
20
30
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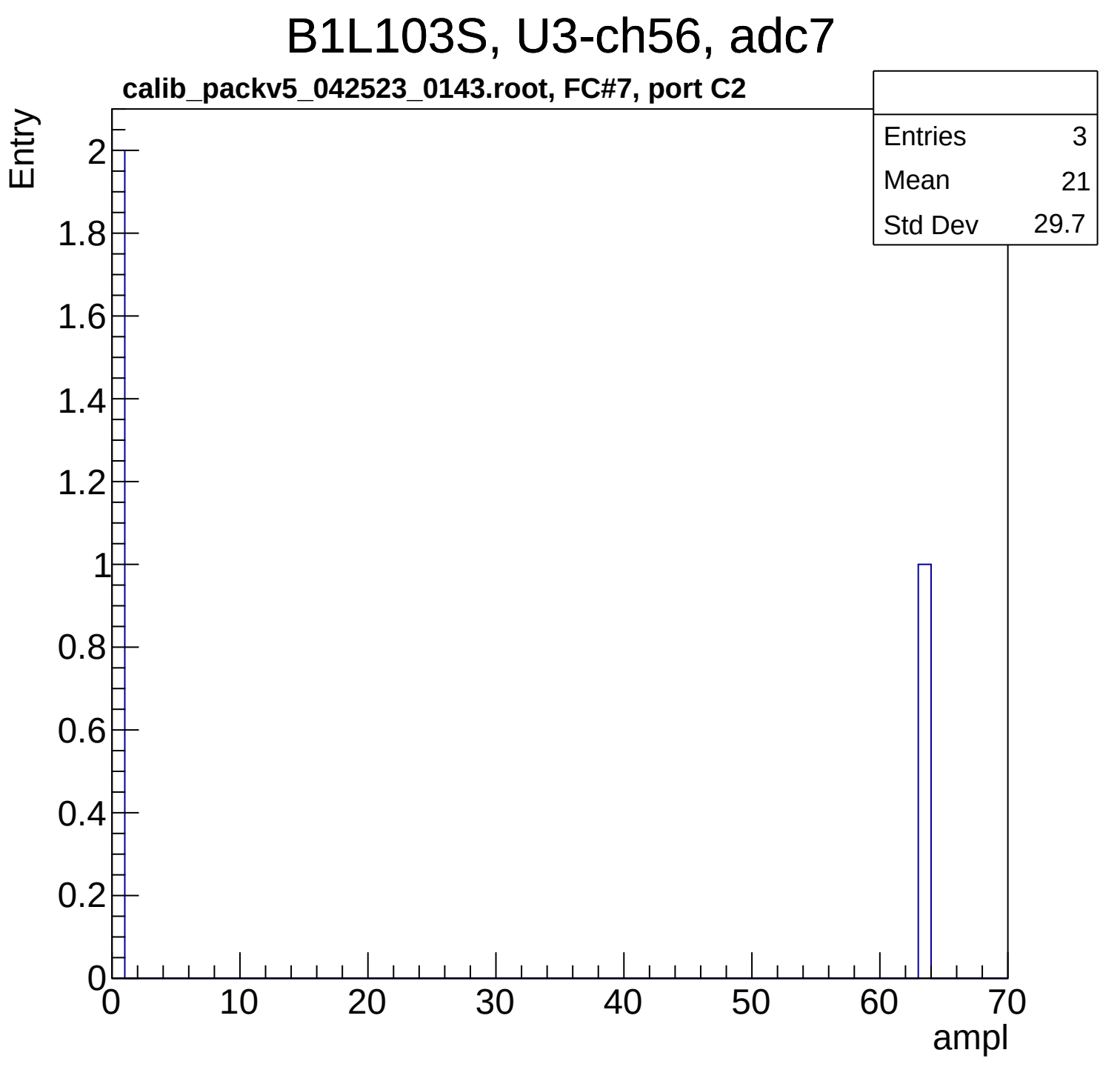
50
60
70
ampl


B1L103S, U3-ch56, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 21
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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60
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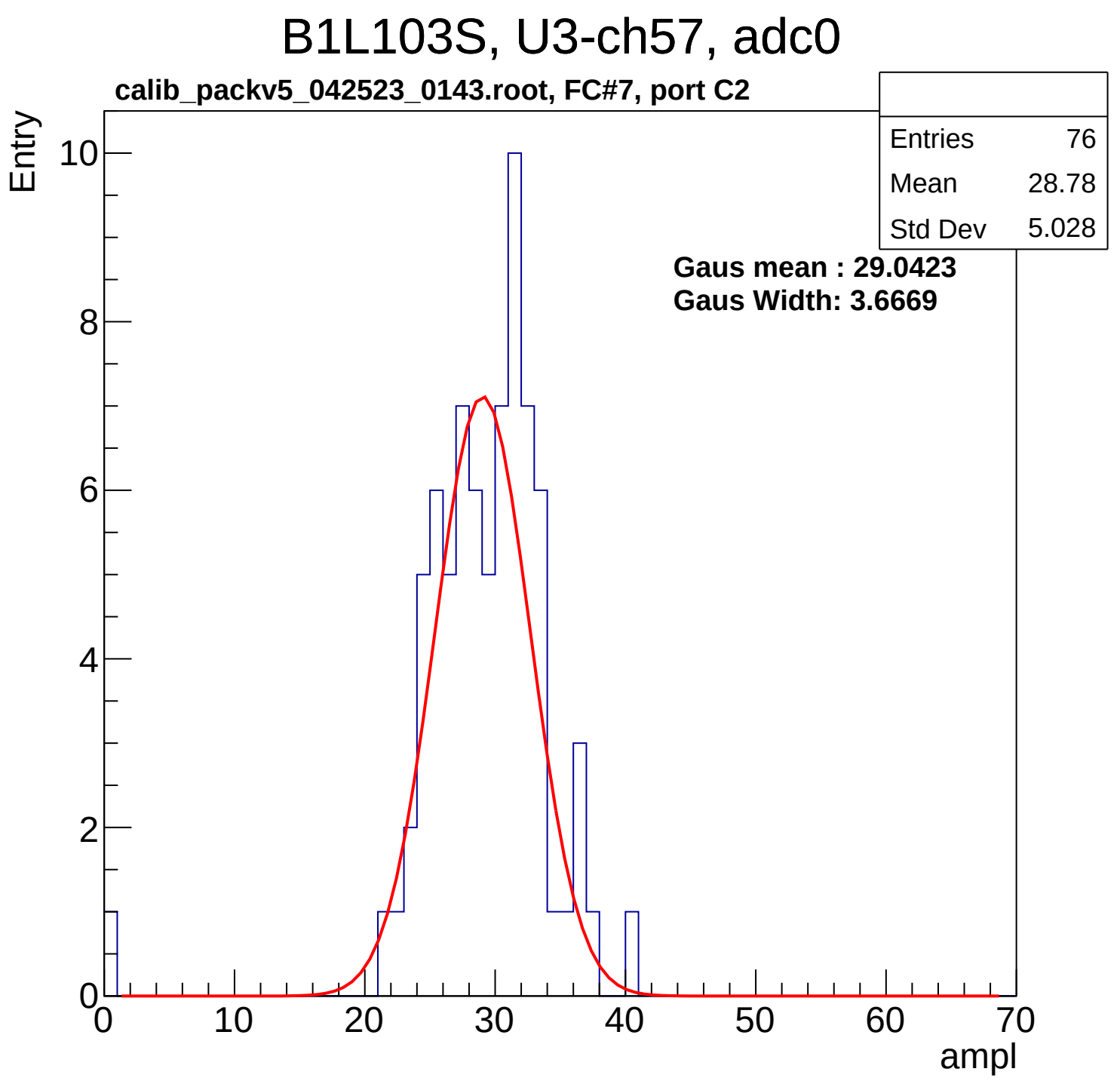
B1L103S, U3-ch57, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 28.78
Std Dev 5.028
Gaus mean : 29.0423
Gaus Width: 3.6669
Entry
ampl
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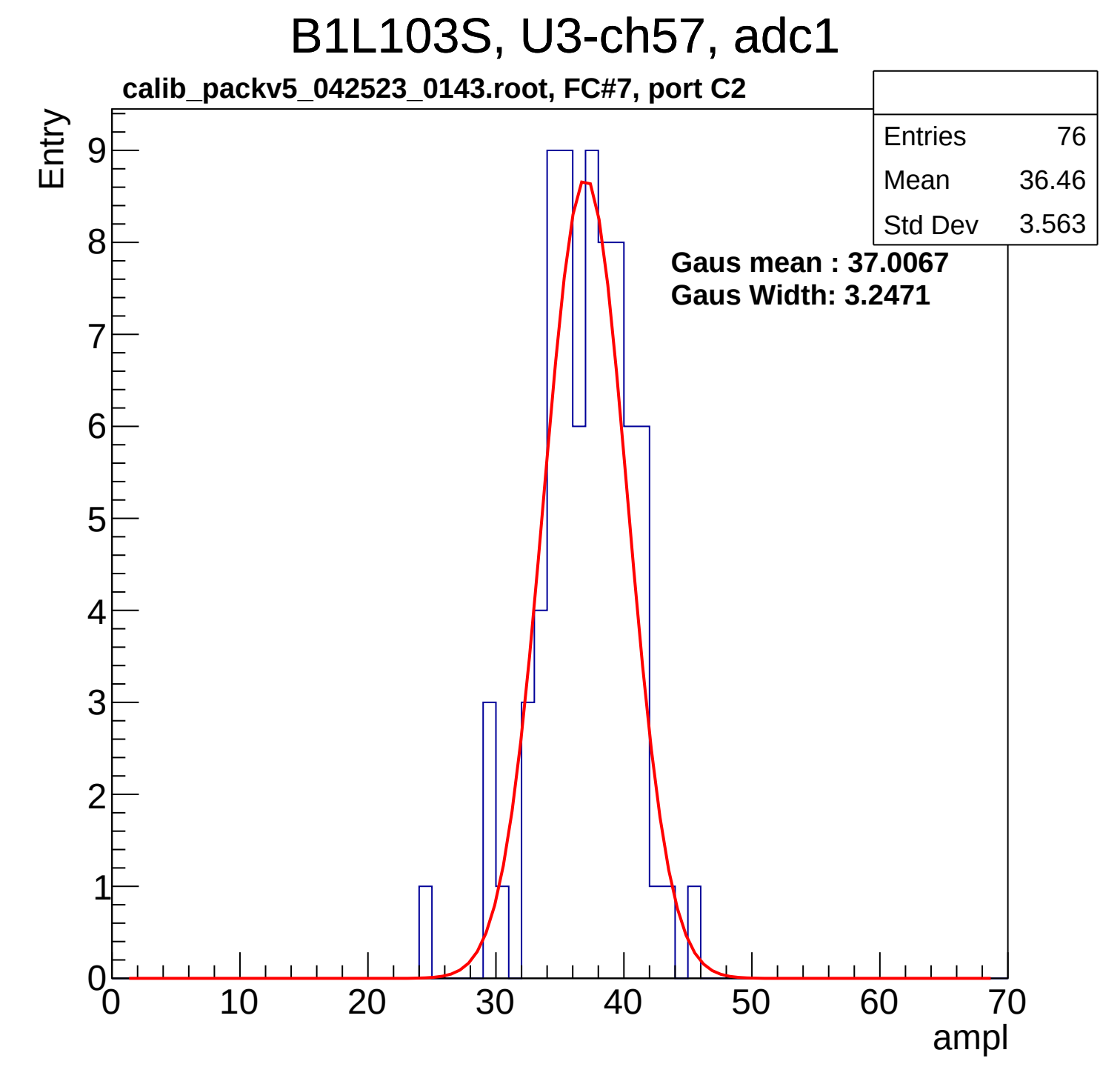
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch57, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 36.46
Std Dev 3.563
Gaus mean : 37.0067
Gaus Width: 3.2471
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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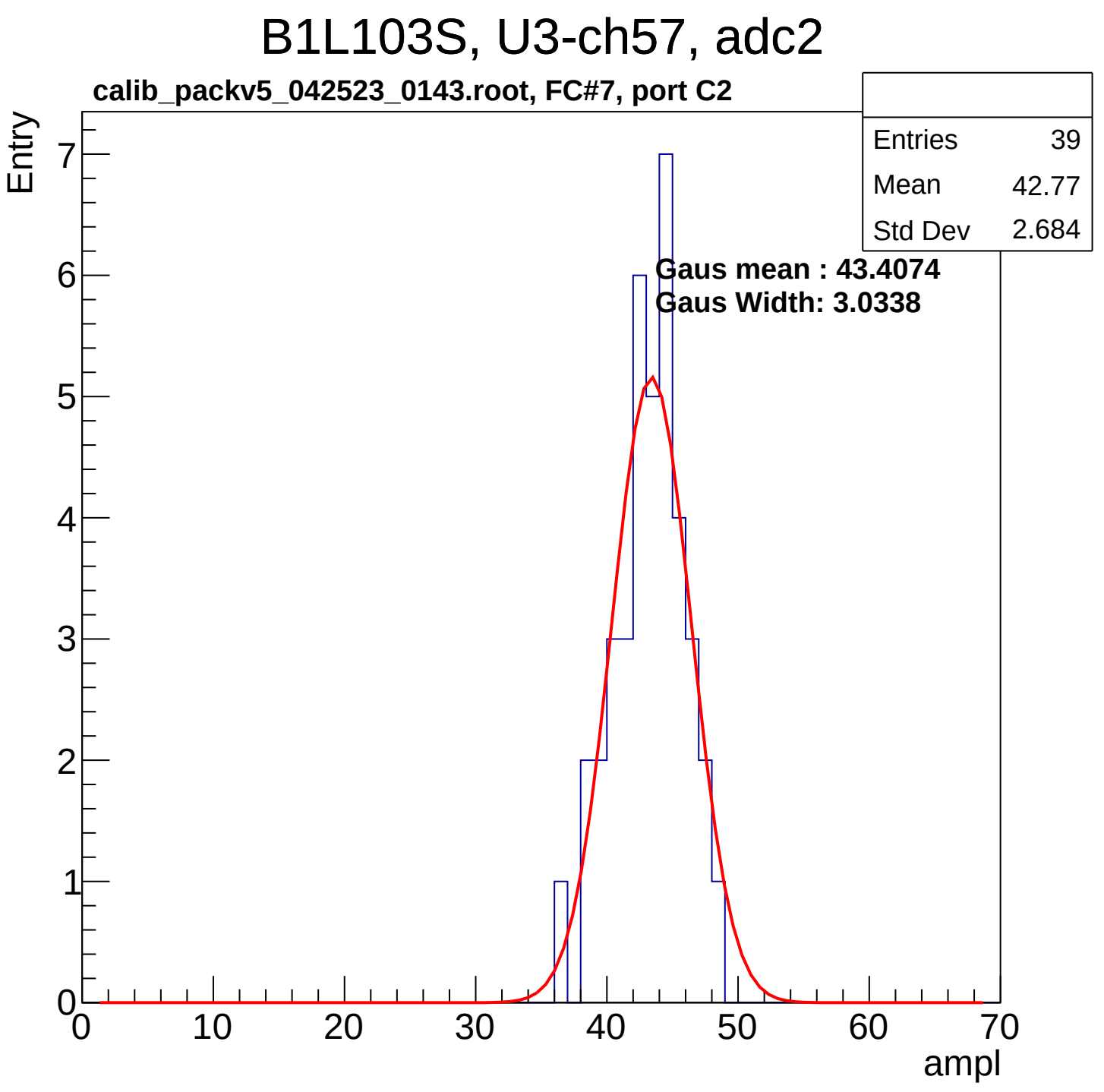
B1L103S, U3-ch57, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 39
Mean 42.77
Std Dev 2.684
Gaus mean : 43.4074
Gaus Width: 3.0338
Entry
ampl
0
1
2
3
4
5
6
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0
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60
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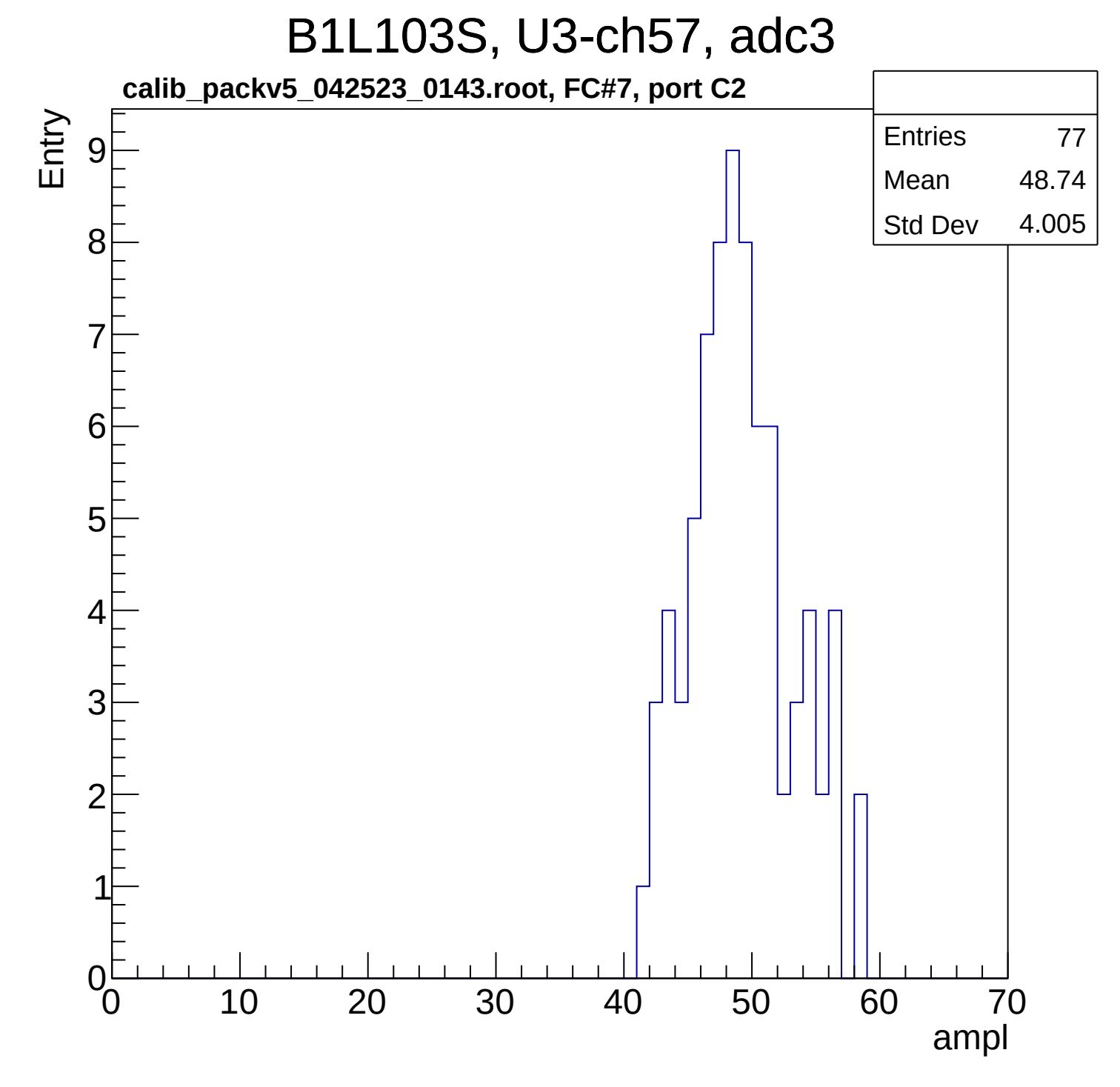
B1L103S, U3-ch57, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 48.74
Std Dev 4.005
Entry
ampl
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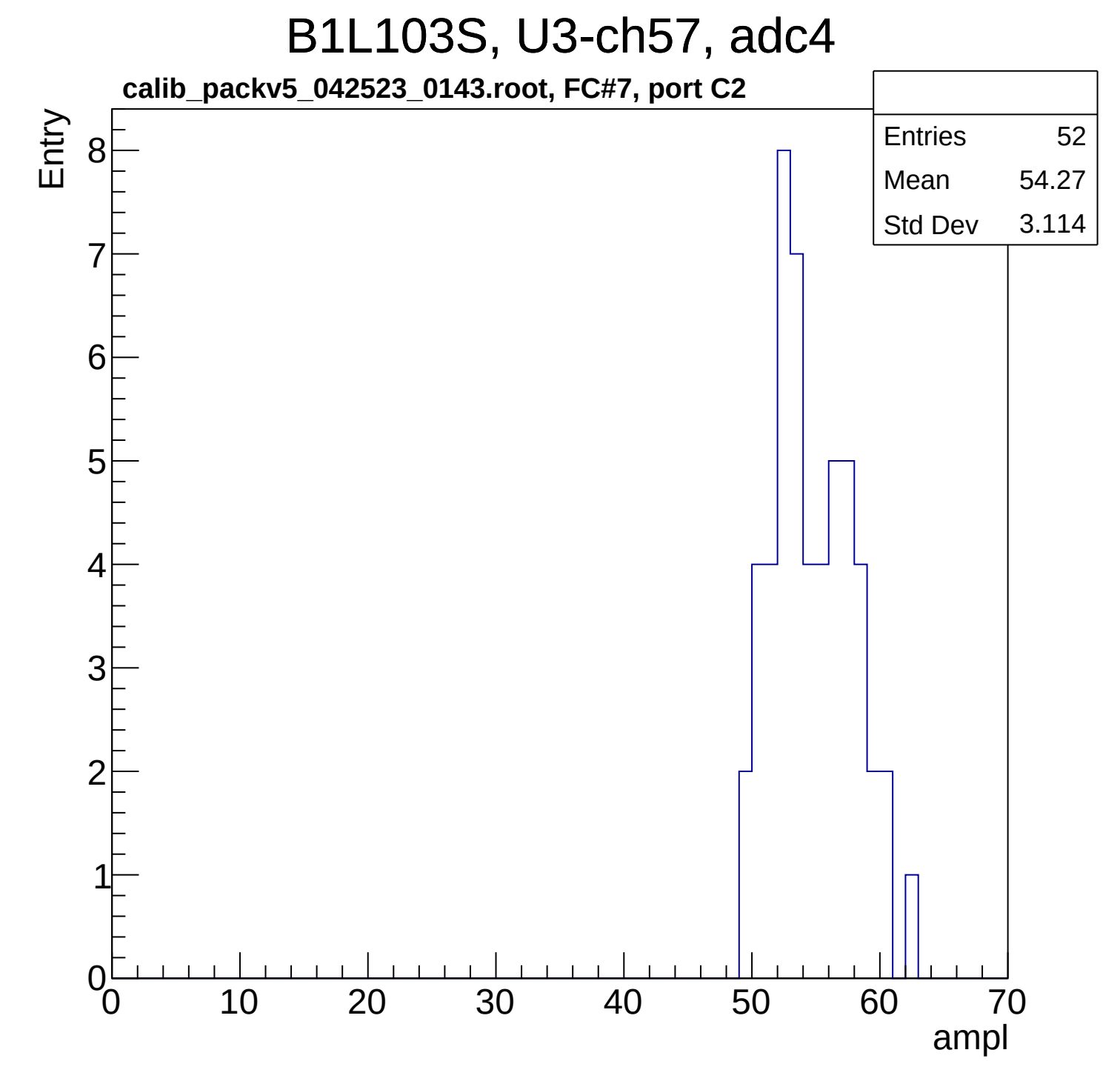
B1L103S, U3-ch57, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 54.27
Std Dev 3.114
Entry
ampl
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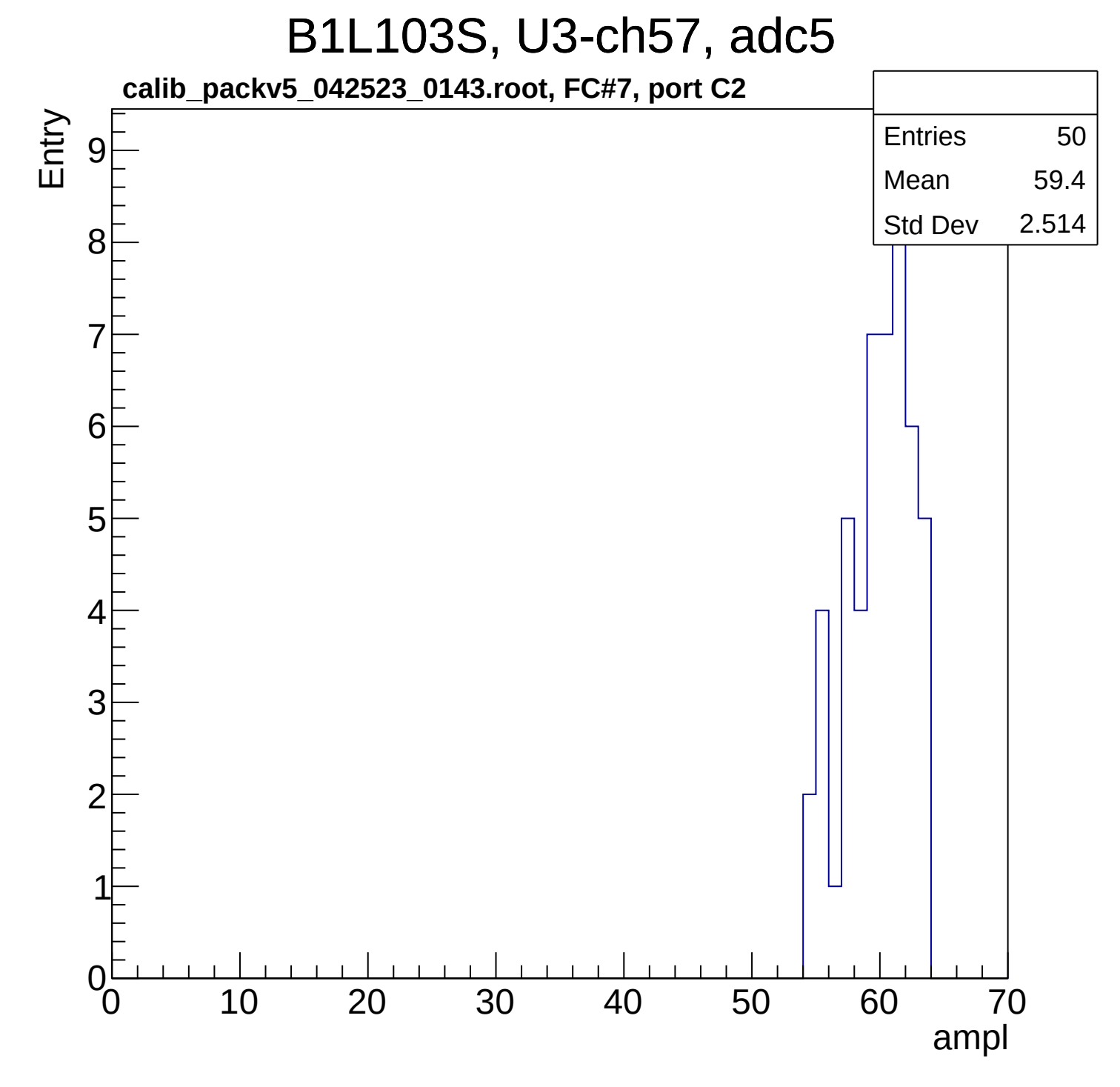
B1L103S, U3-ch57, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 59.4
Std Dev 2.514
Entry
ampl
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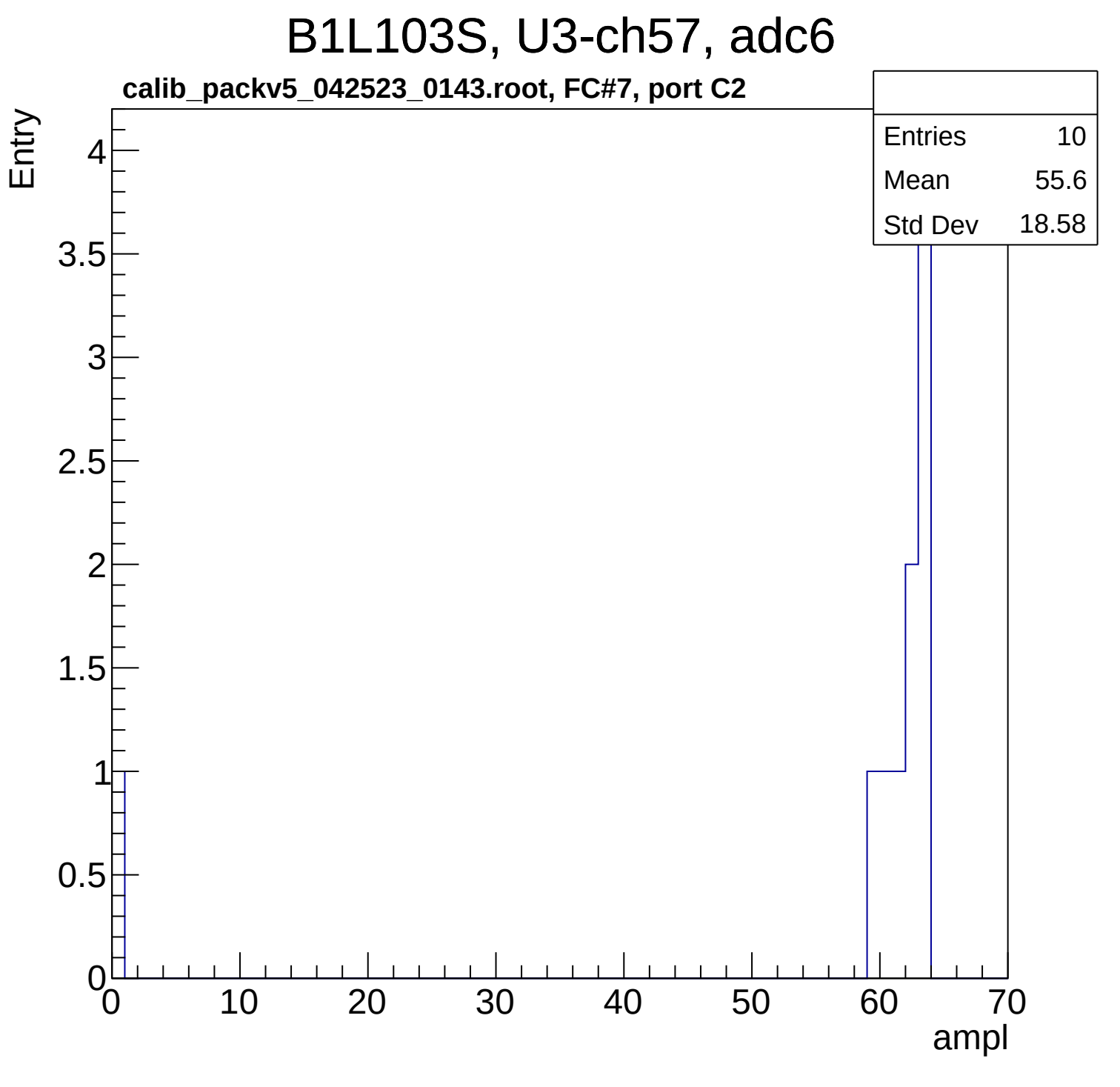
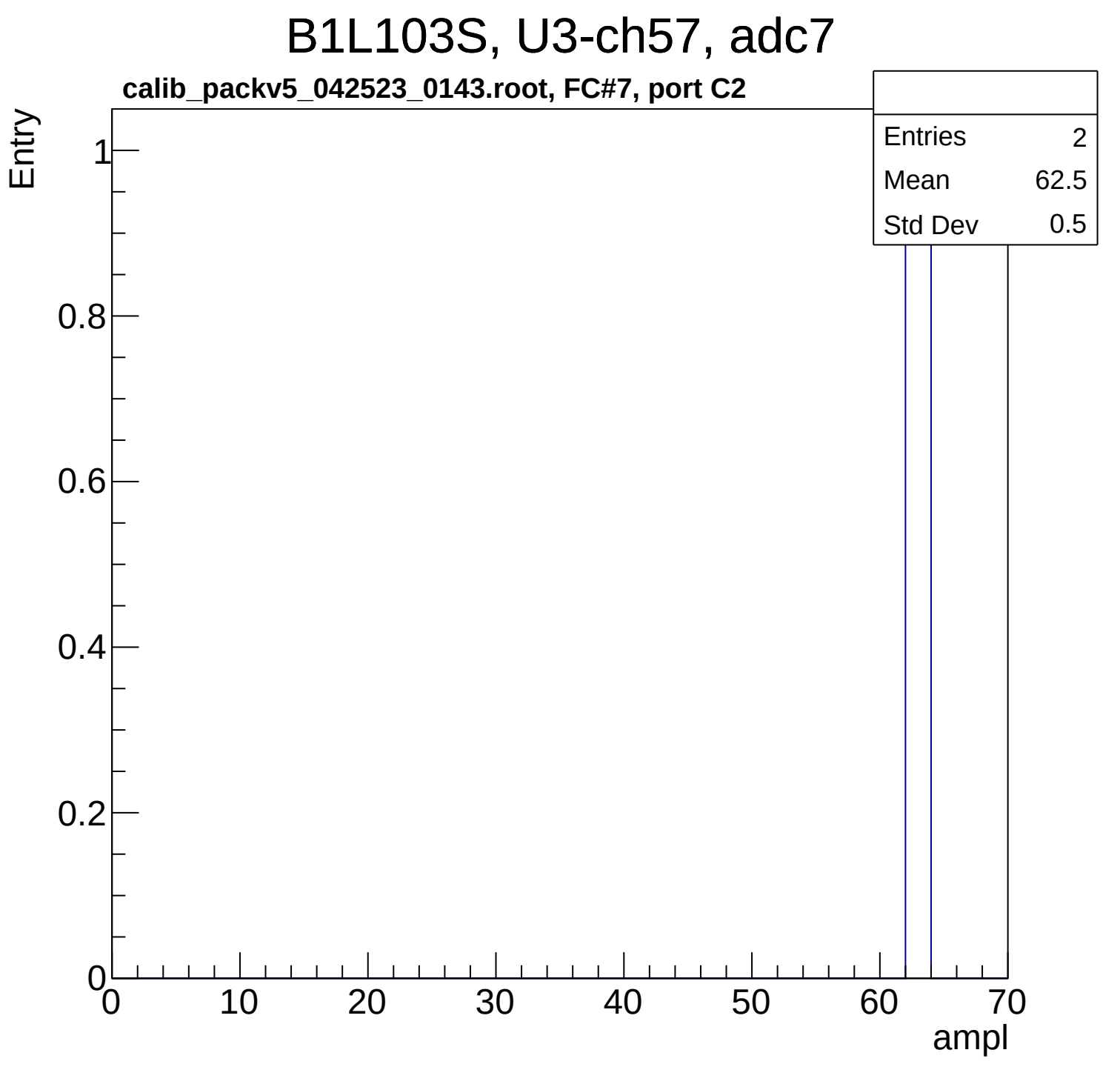
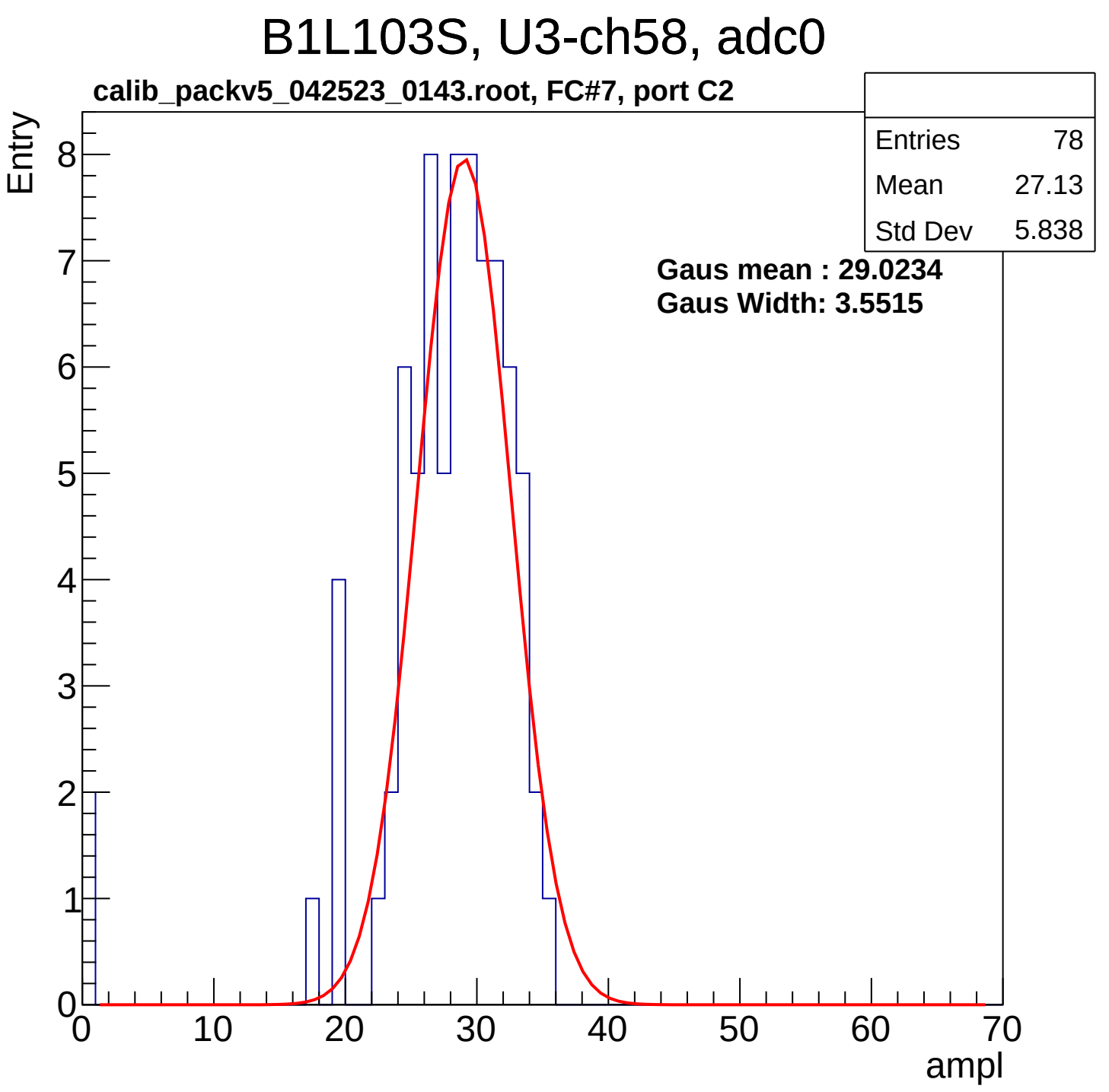
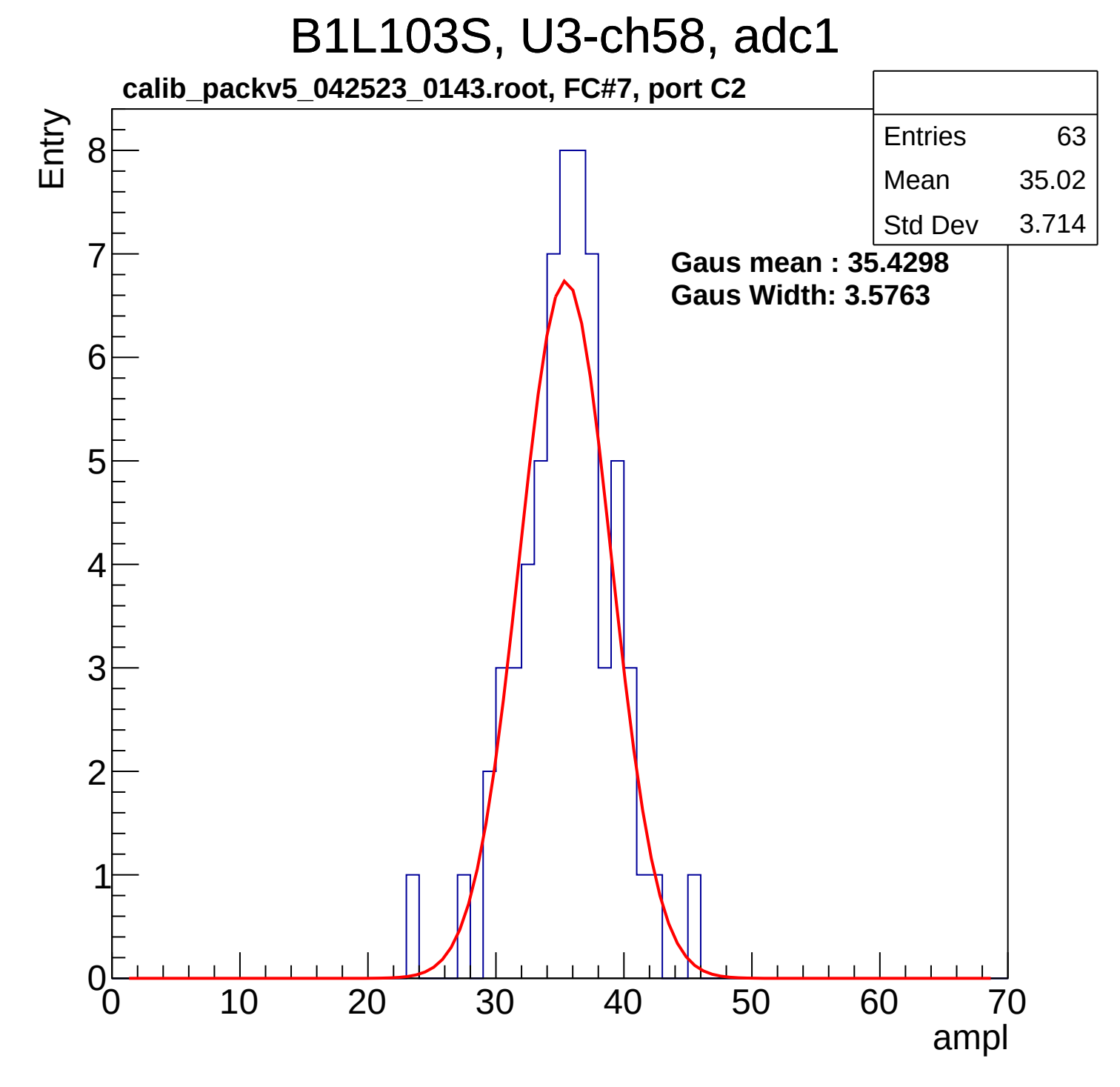

B1L103S, U3-ch57, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 55.6
Std Dev 18.58
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch57, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch58, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 78
Mean 27.13
Std Dev 5.838
Gaus mean : 29.0234
Gaus Width: 3.5515
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch58, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 35.02
Std Dev 3.714
Gaus mean : 35.4298
Gaus Width: 3.5763
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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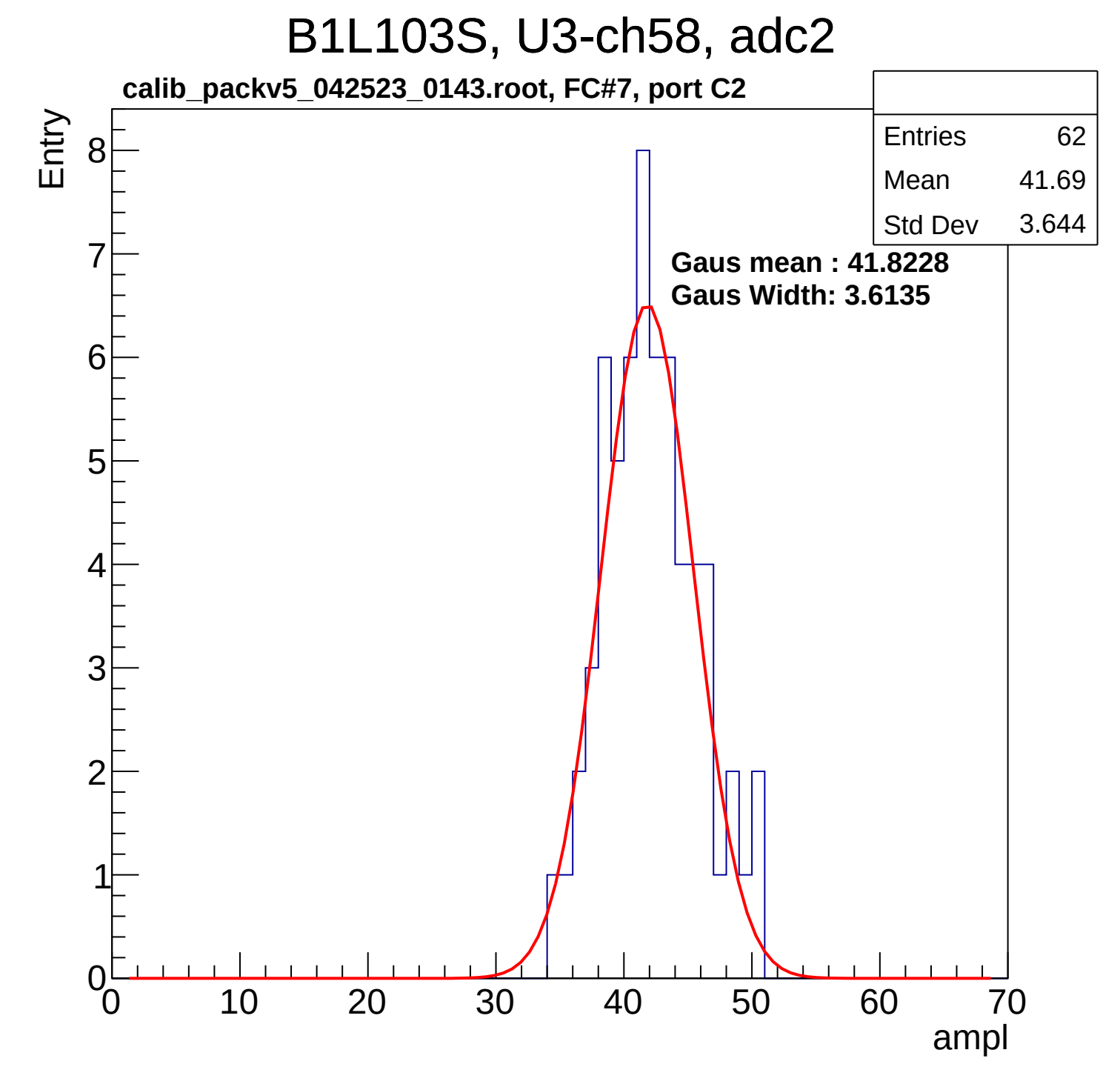
B1L103S, U3-ch58, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 41.69
Std Dev 3.644
Gaus mean : 41.8228
Gaus Width: 3.6135
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
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60
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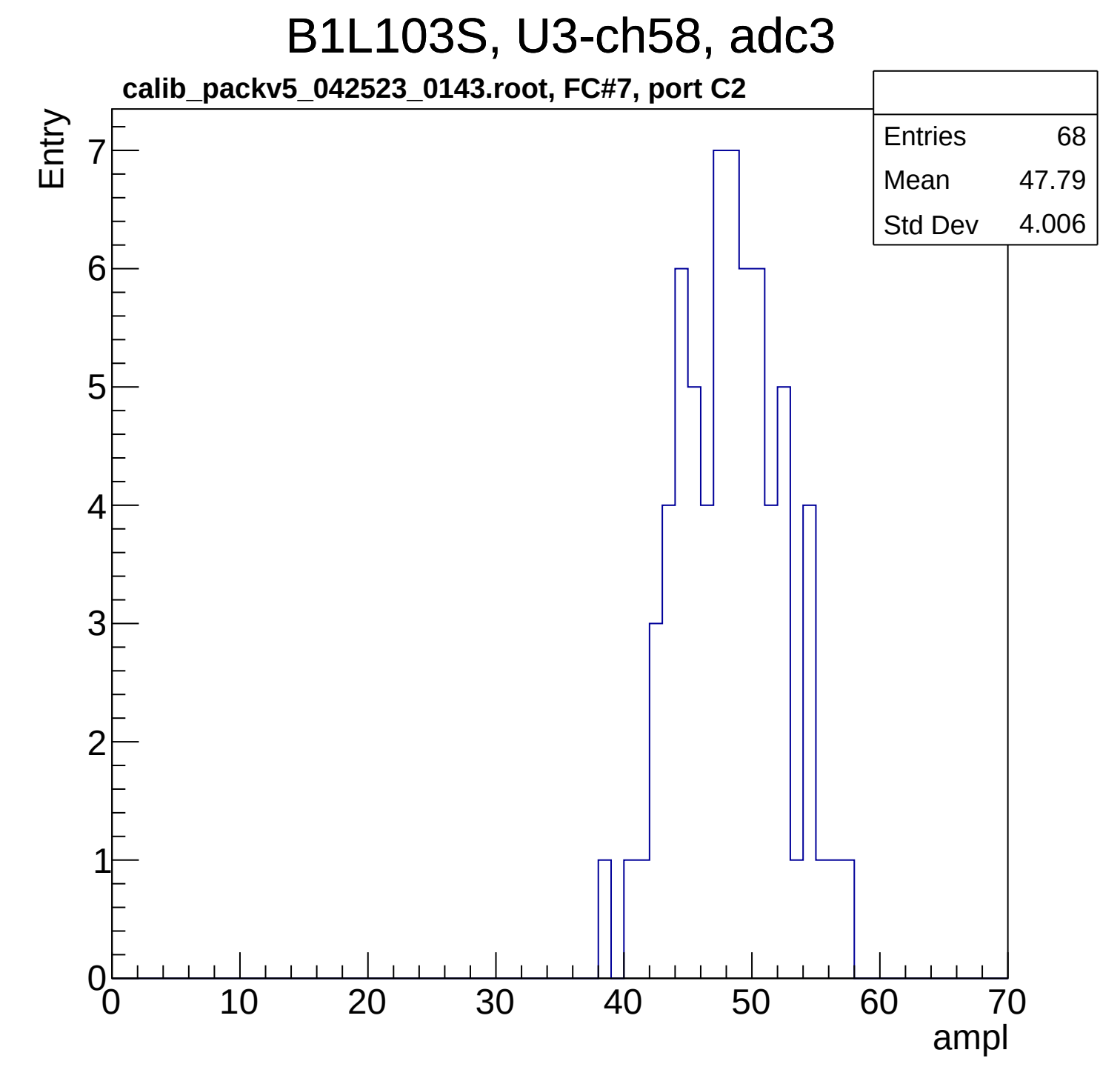
B1L103S, U3-ch58, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 47.79
Std Dev 4.006
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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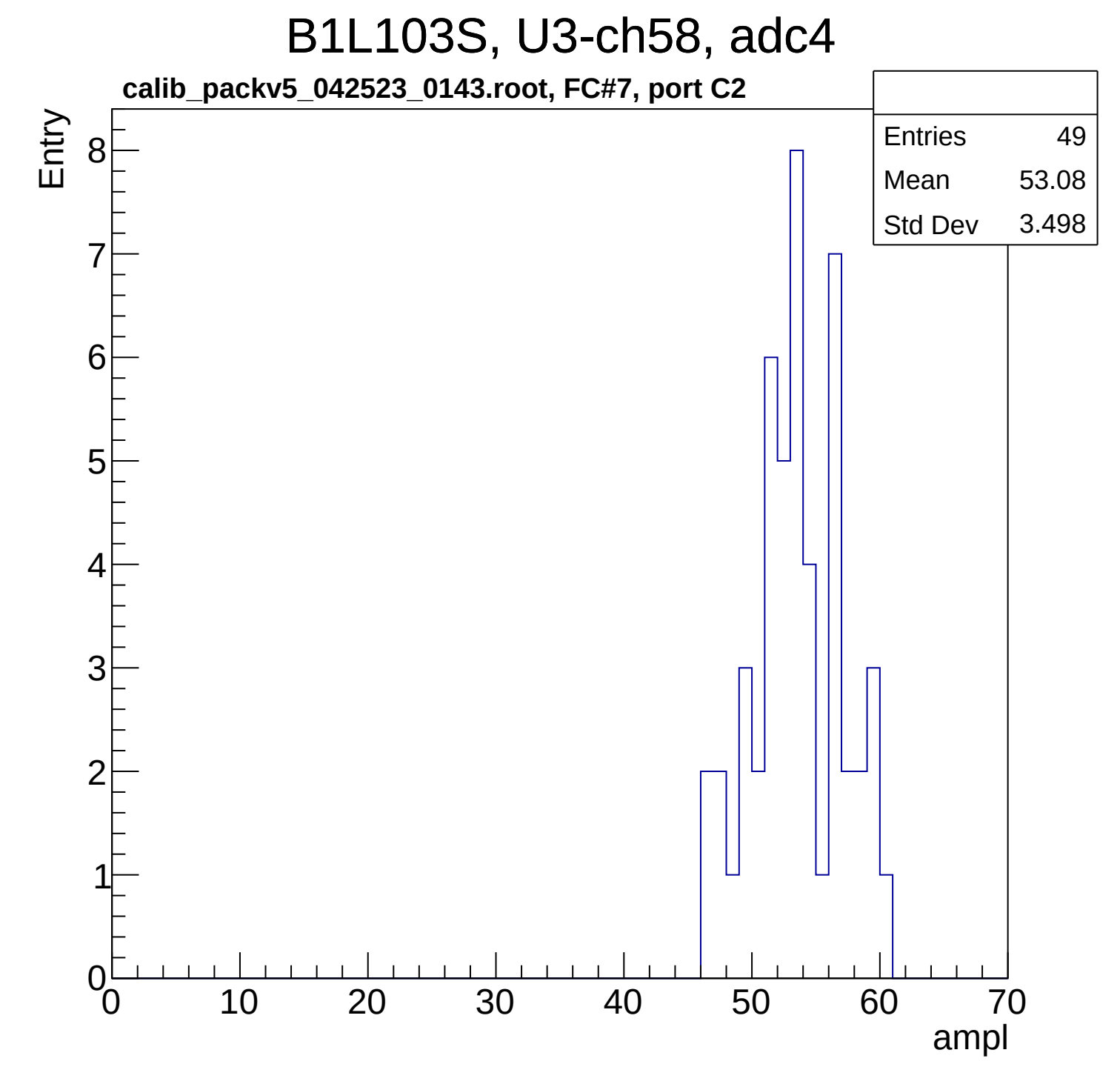
B1L103S, U3-ch58, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 53.08
Std Dev 3.498
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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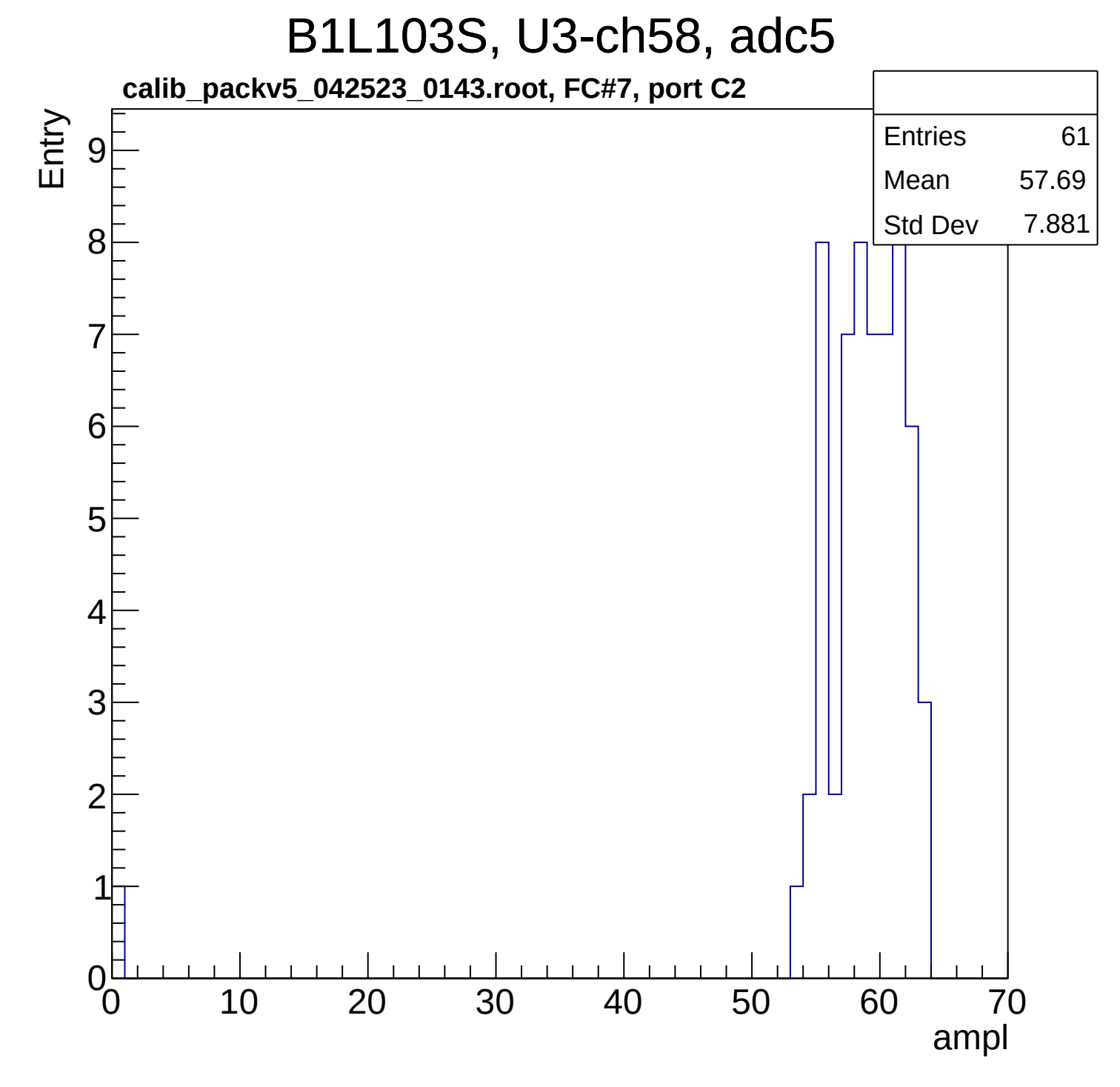
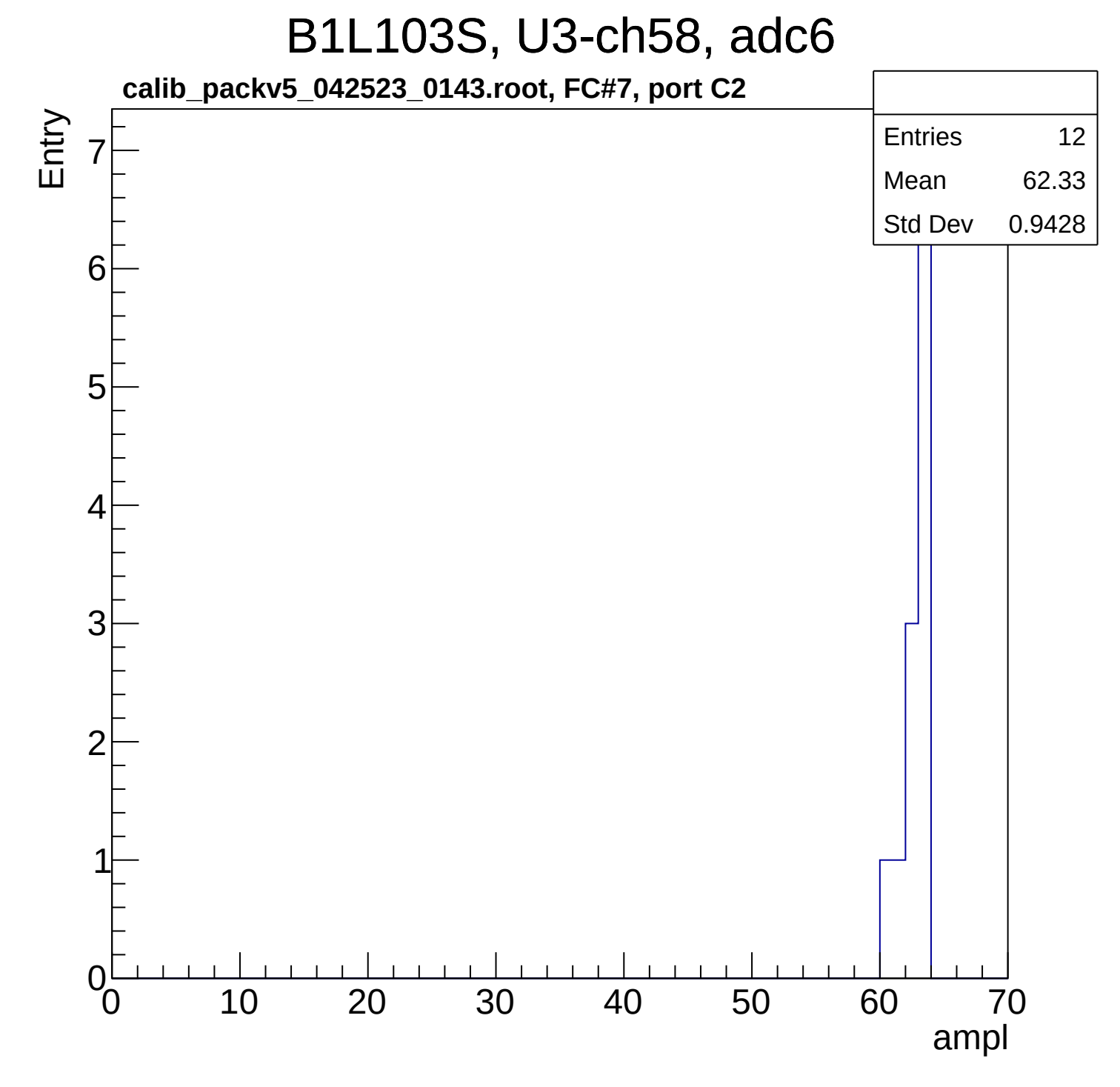
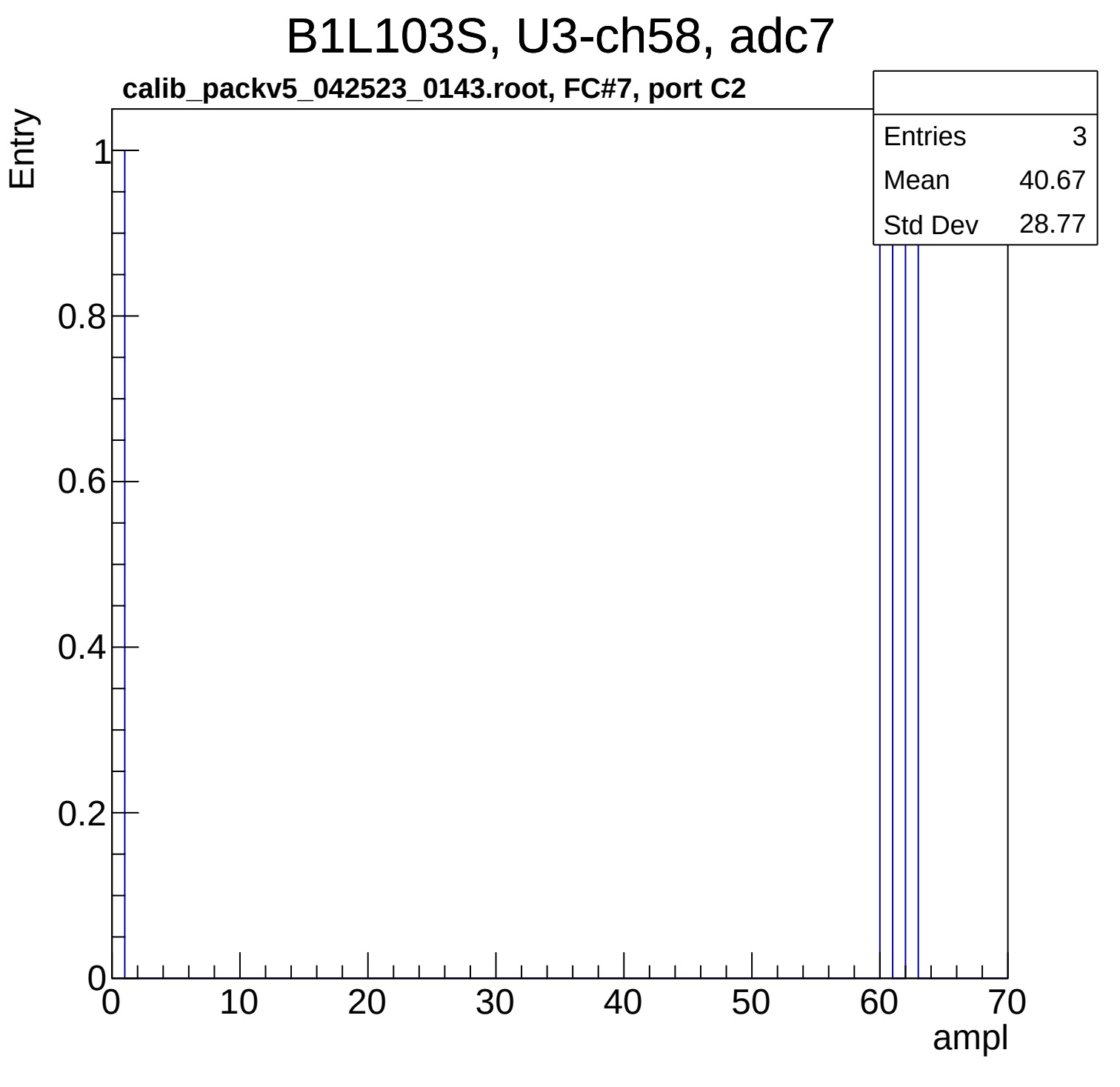
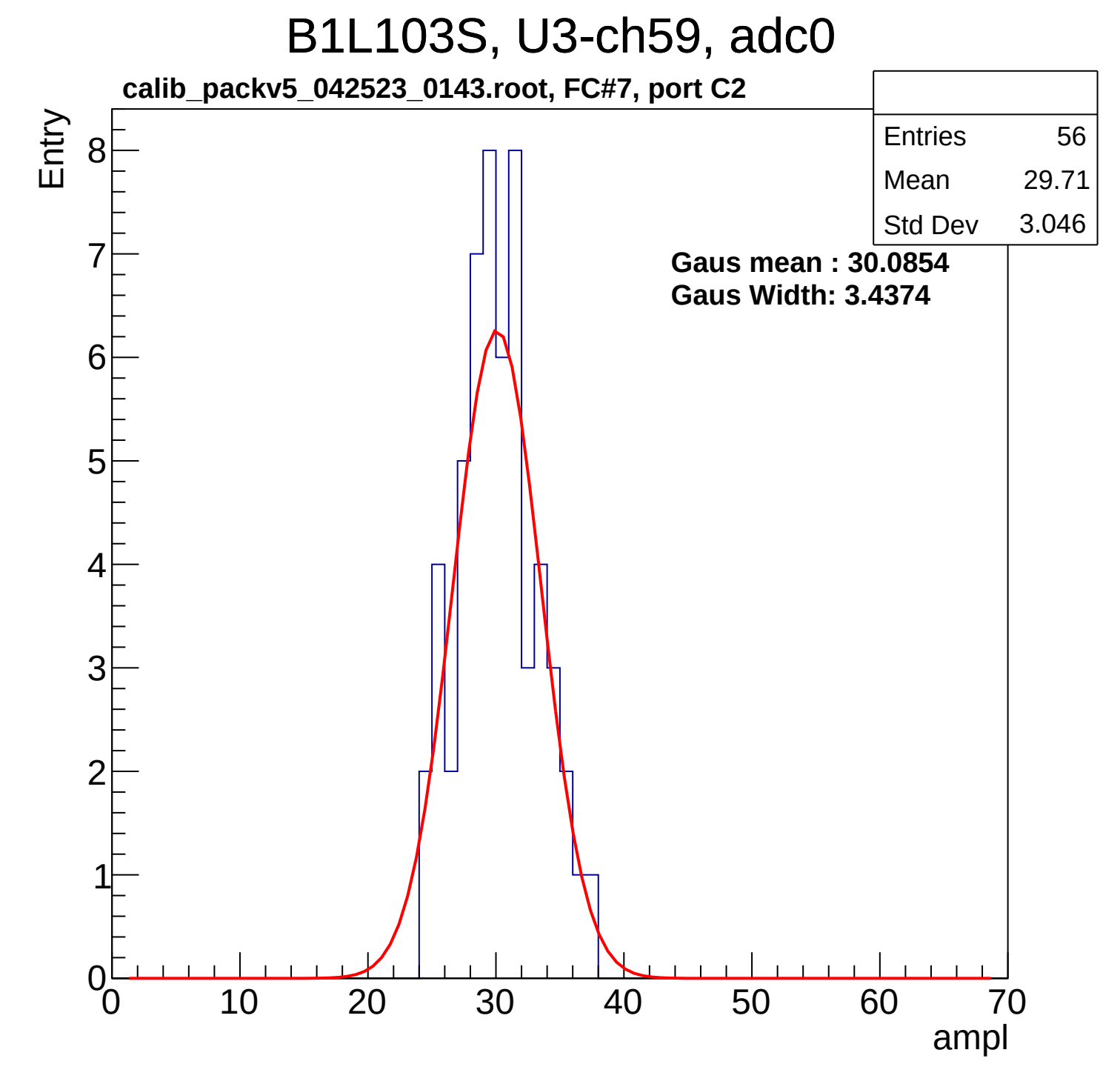

B1L103S, U3-ch58, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 57.69
Std Dev 7.881
Entry
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch58, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 62.33
Std Dev 0.9428
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch58, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 40.67
Std Dev 28.77
Entry
ampl
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B1L103S, U3-ch59, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 29.71
Std Dev 3.046
Gaus mean : 30.0854
Gaus Width: 3.4374
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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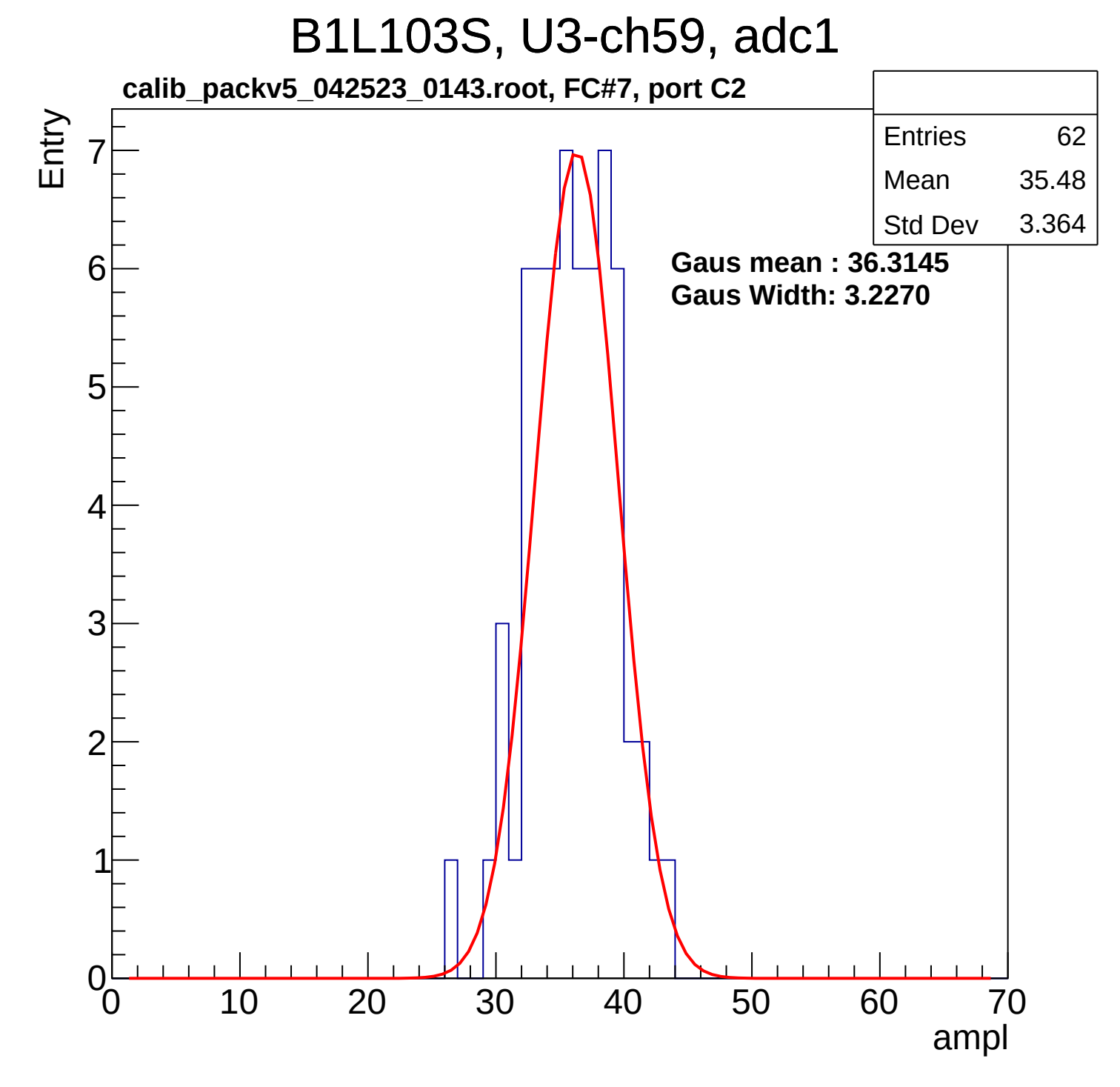
B1L103S, U3-ch59, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 35.48
Std Dev 3.364
Gaus mean : 36.3145
Gaus Width: 3.2270
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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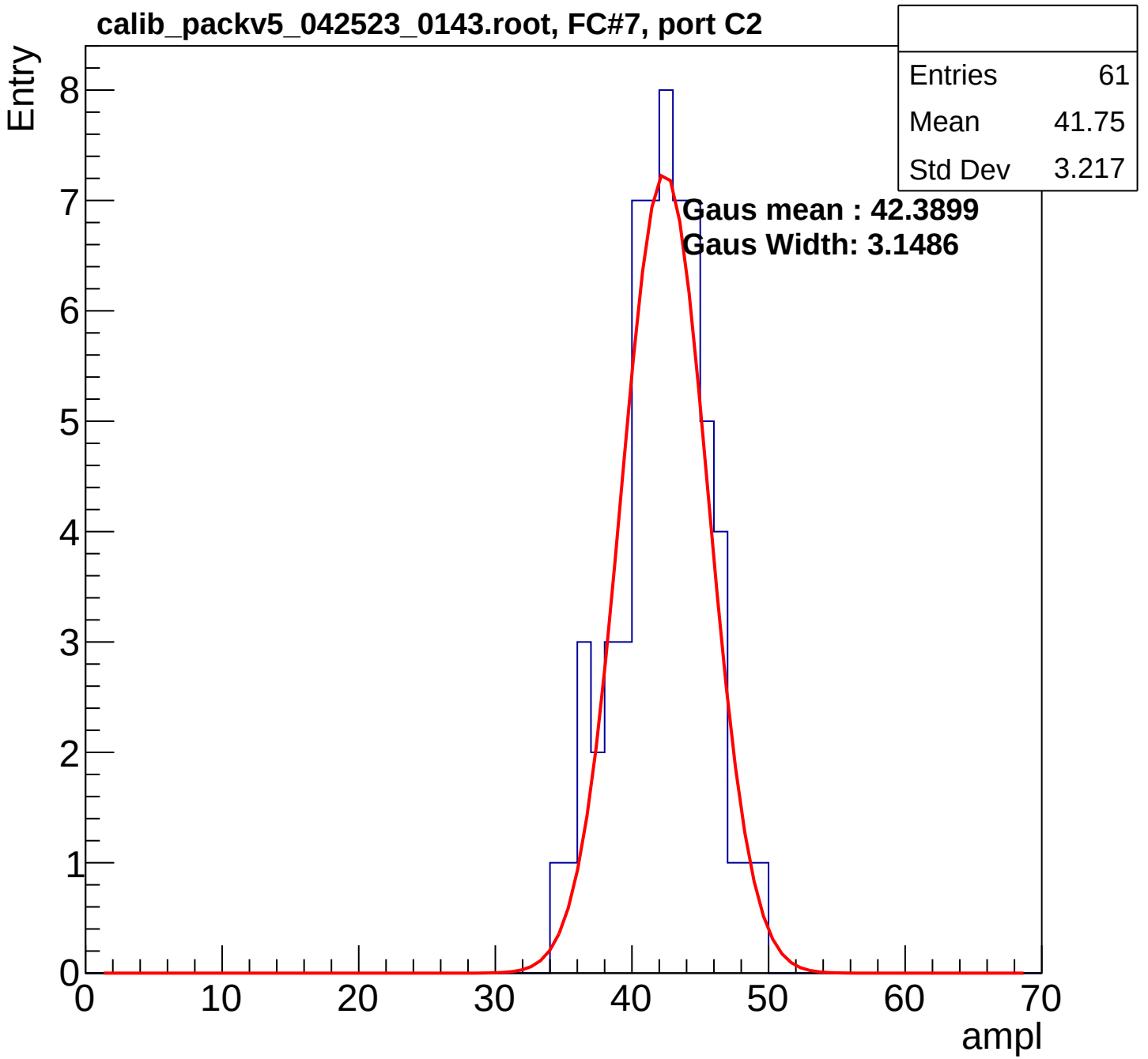
B1L103S, U3-ch59, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 41.75
Std Dev 3.217
Gaus mean : 42.3899
Gaus Width: 3.1486
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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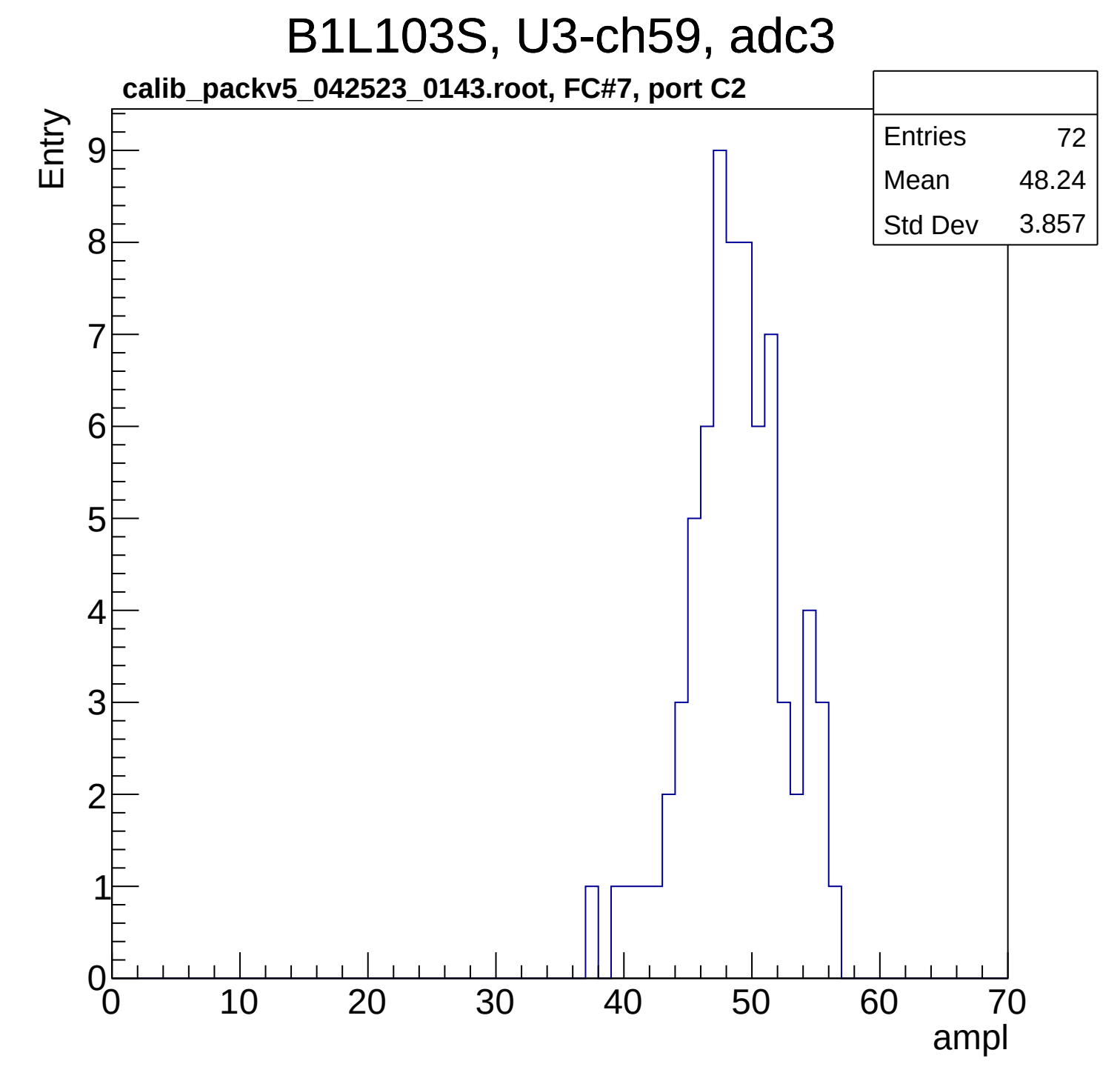
B1L103S, U3-ch59, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 48.24
Std Dev 3.857
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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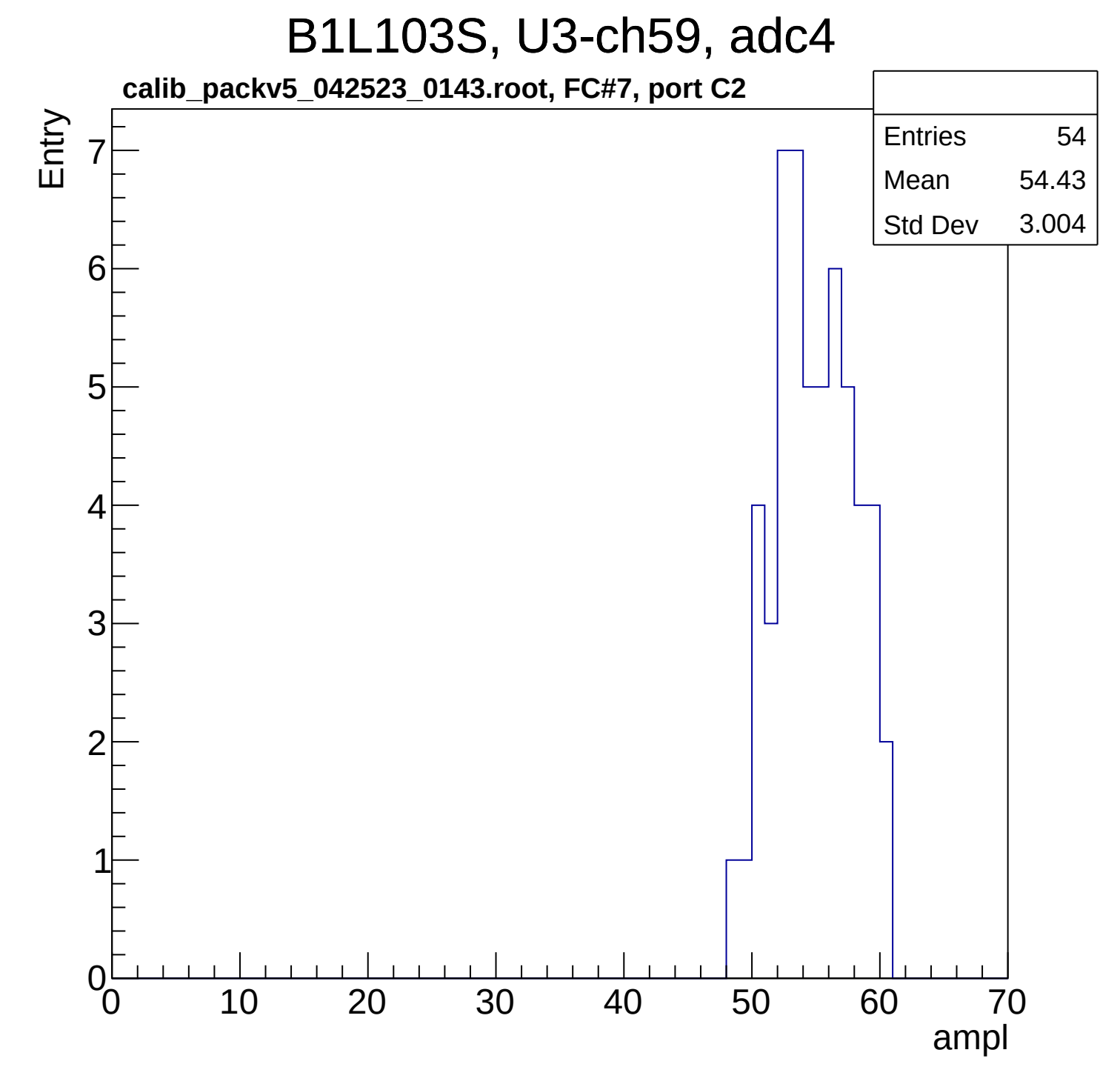
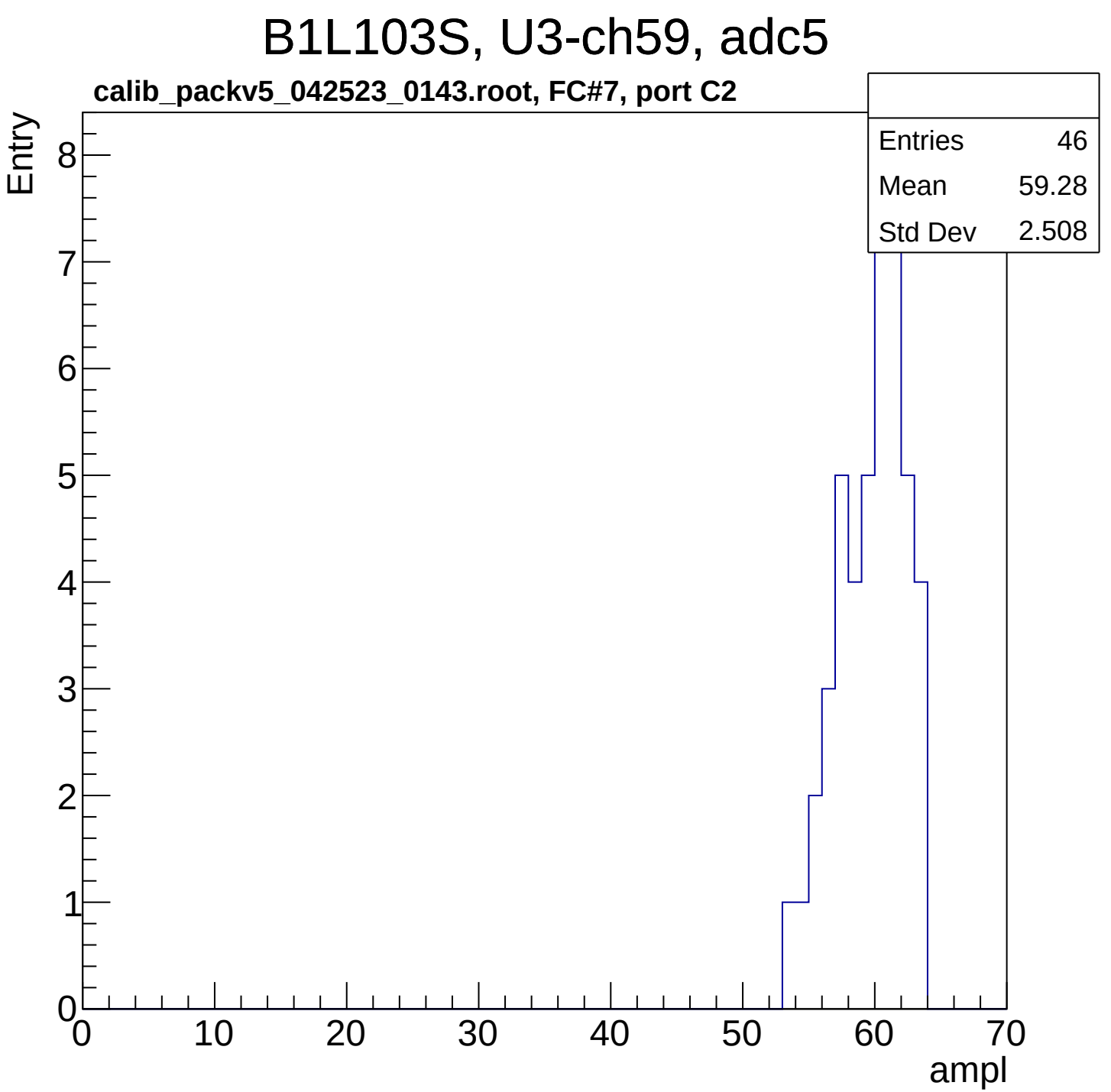

B1L103S, U3-ch59, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 54.43
Std Dev 3.004
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch59, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 59.28
Std Dev 2.508
Entry
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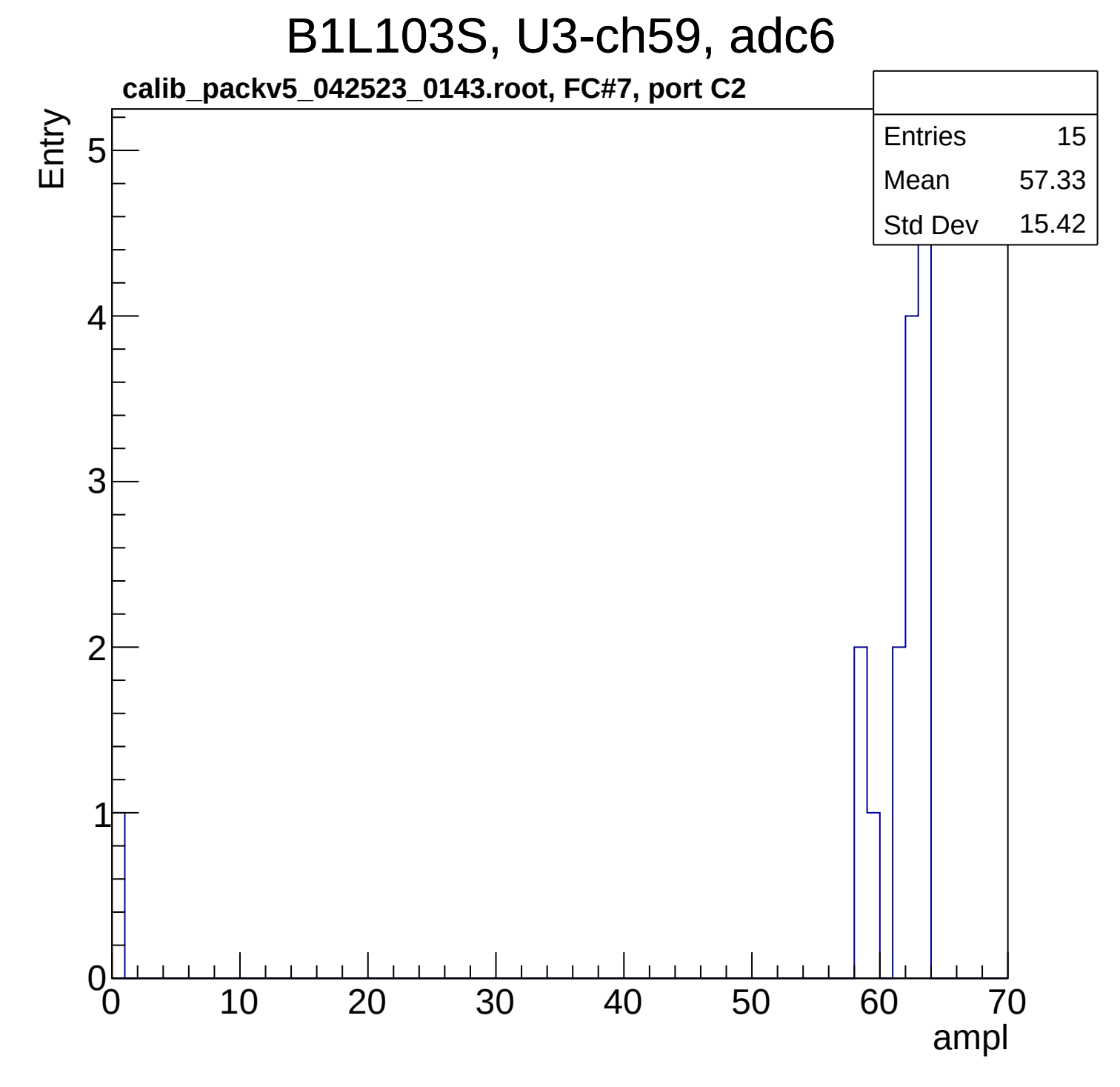
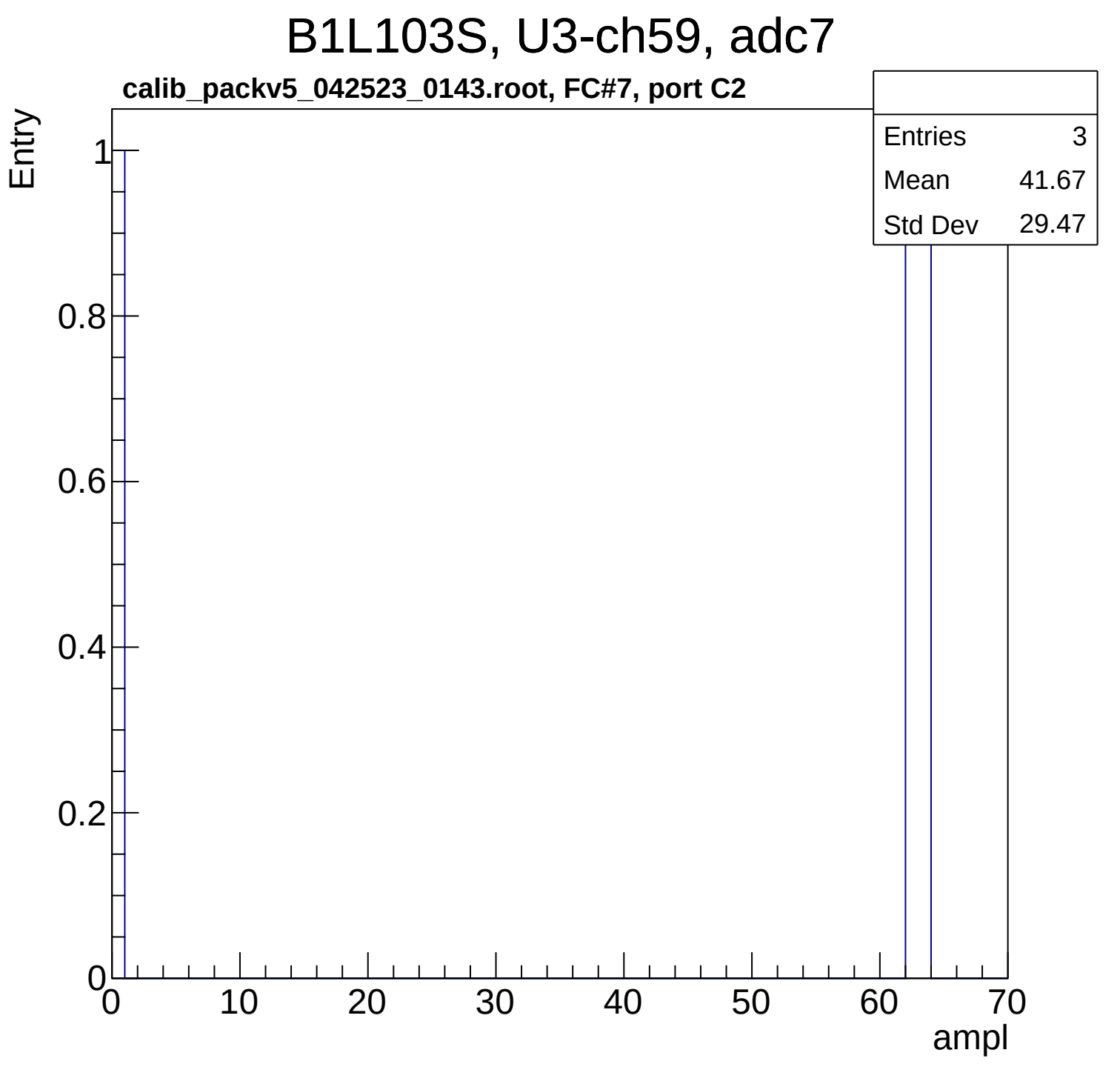
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch59, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 57.33
Std Dev 15.42
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch59, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 41.67
Std Dev 29.47
Entry
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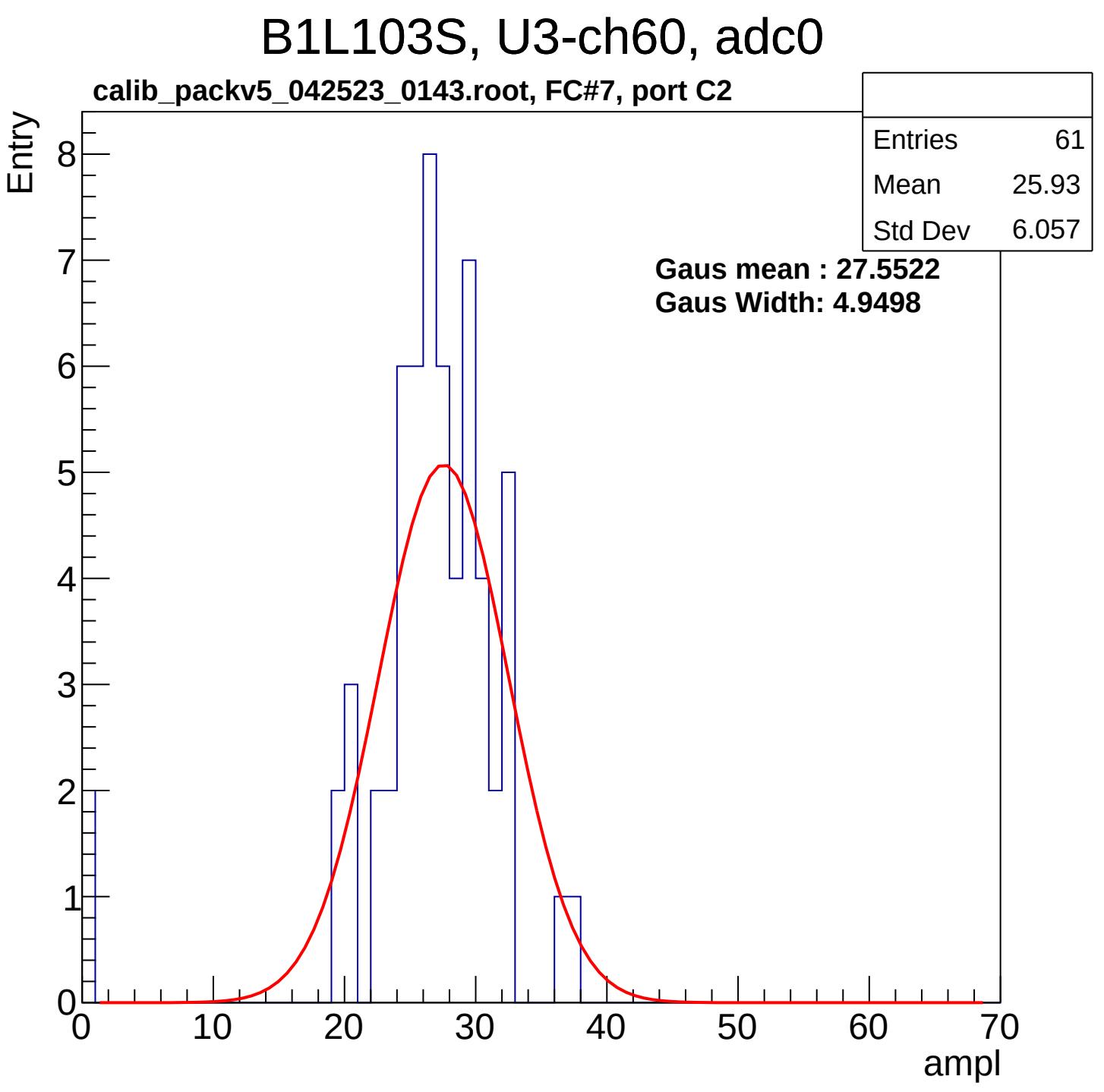
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch60, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 25.93
Std Dev 6.057
Gaus mean : 27.5522
Gaus Width: 4.9498
Entry
ampl
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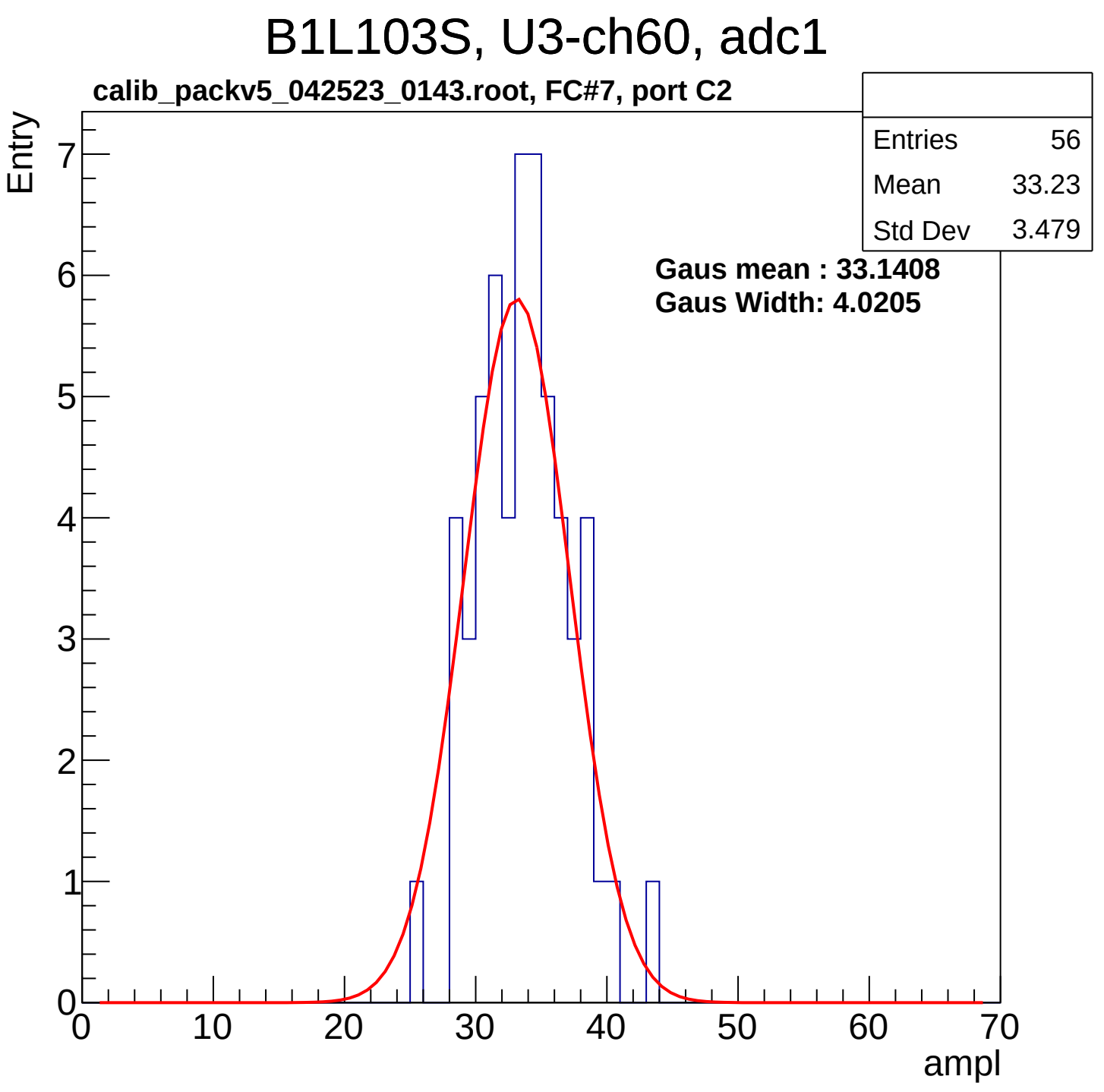
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch60, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 33.23
Std Dev 3.479
Gaus mean : 33.1408
Gaus Width: 4.0205
Entry
ampl
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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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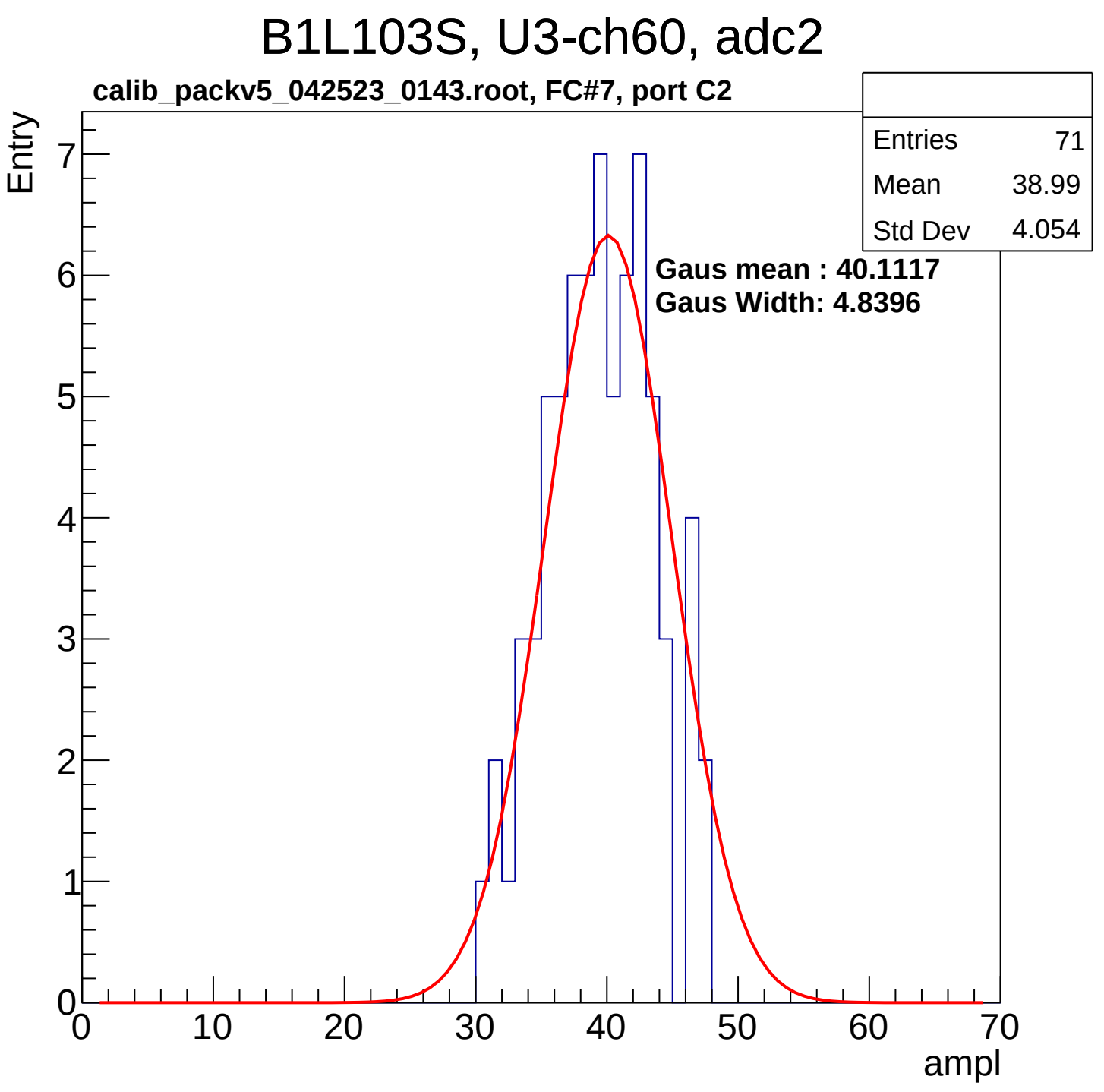
B1L103S, U3-ch60, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 38.99
Std Dev 4.054
Gaus mean : 40.1117
Gaus Width: 4.8396
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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50
60
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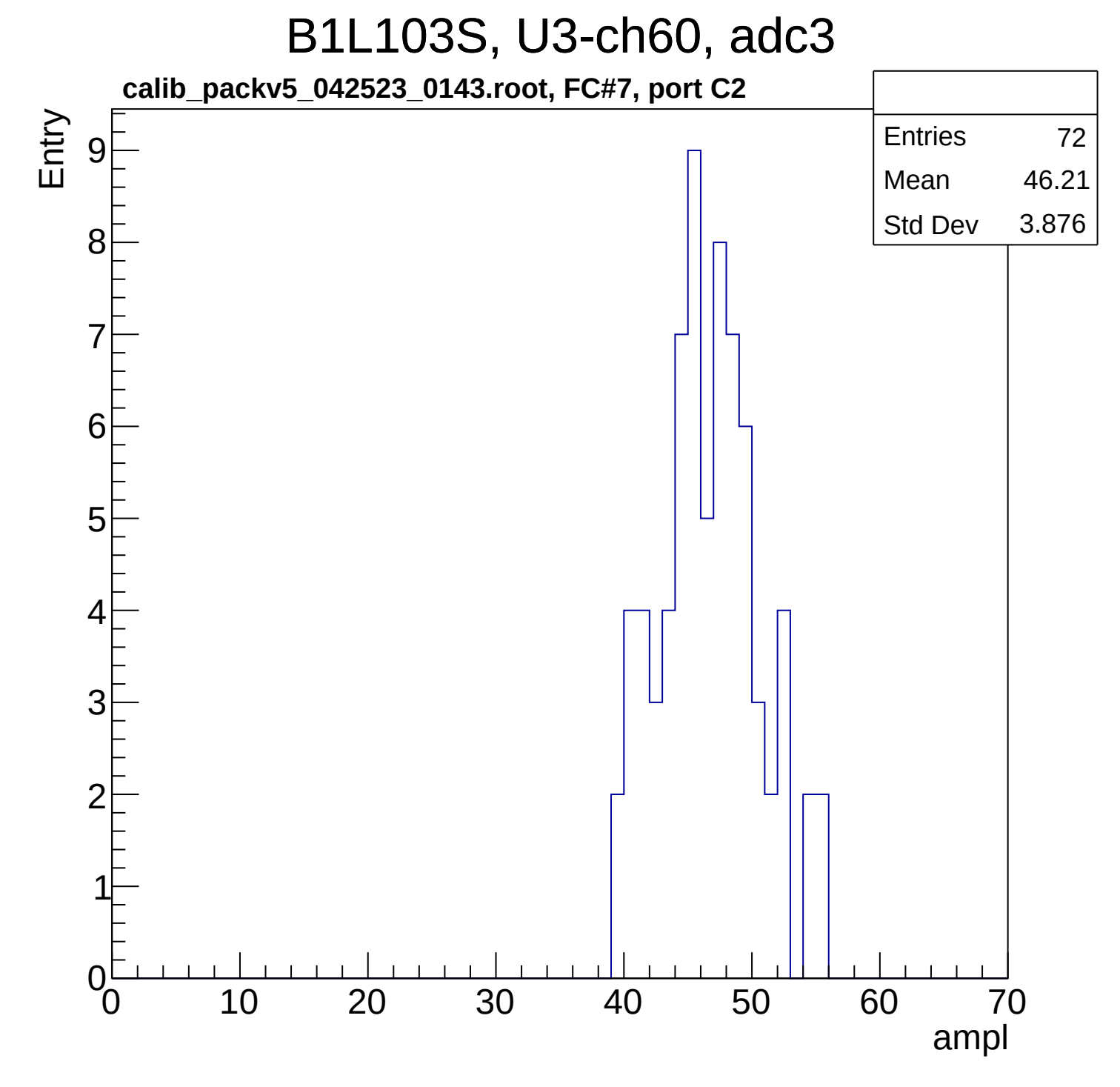
B1L103S, U3-ch60, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 46.21
Std Dev 3.876
Entry
ampl
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60
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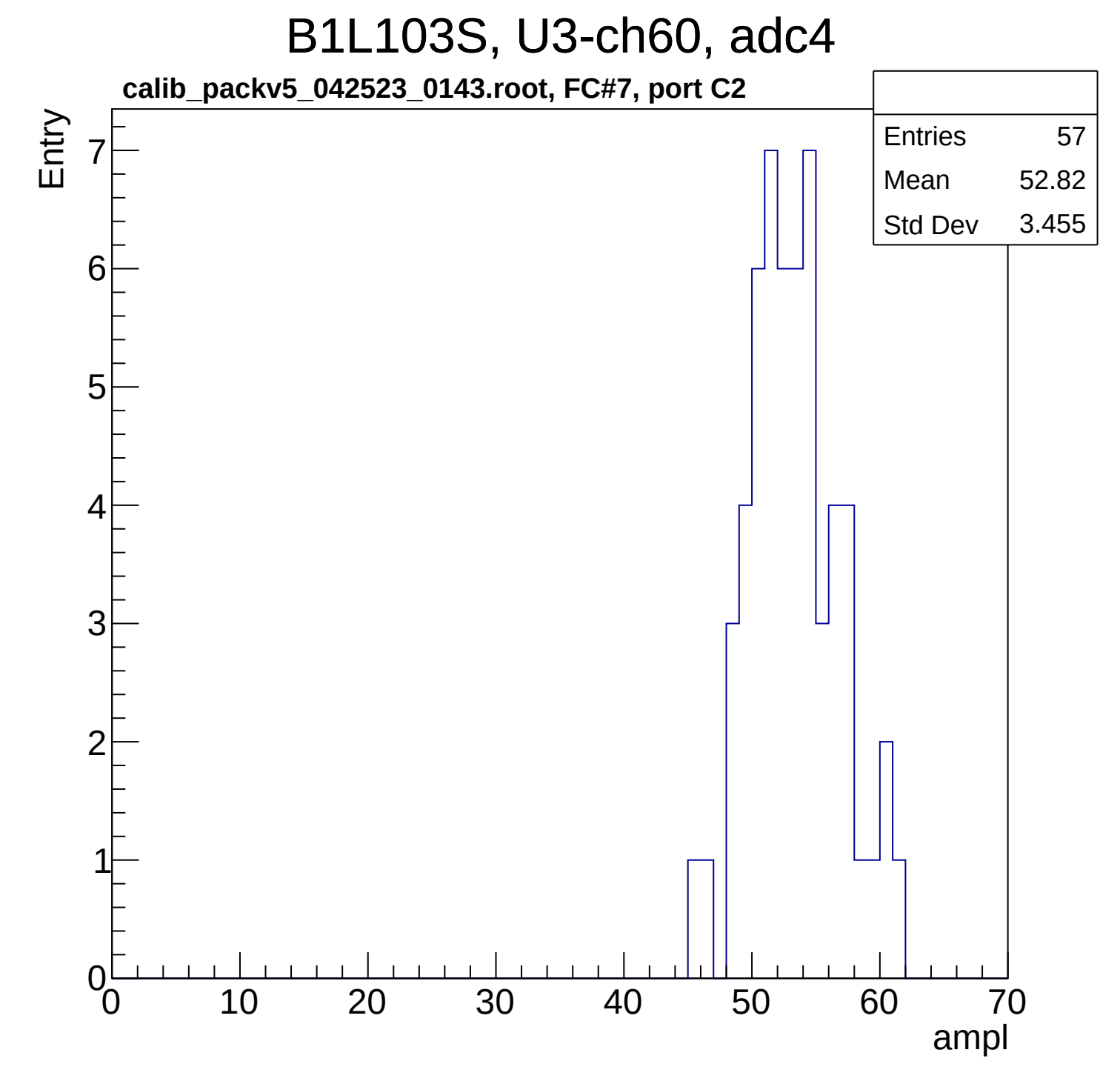
B1L103S, U3-ch60, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 52.82
Std Dev 3.455
Entry
ampl
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1
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3
4
5
6
7
0
10
20
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40
50
60
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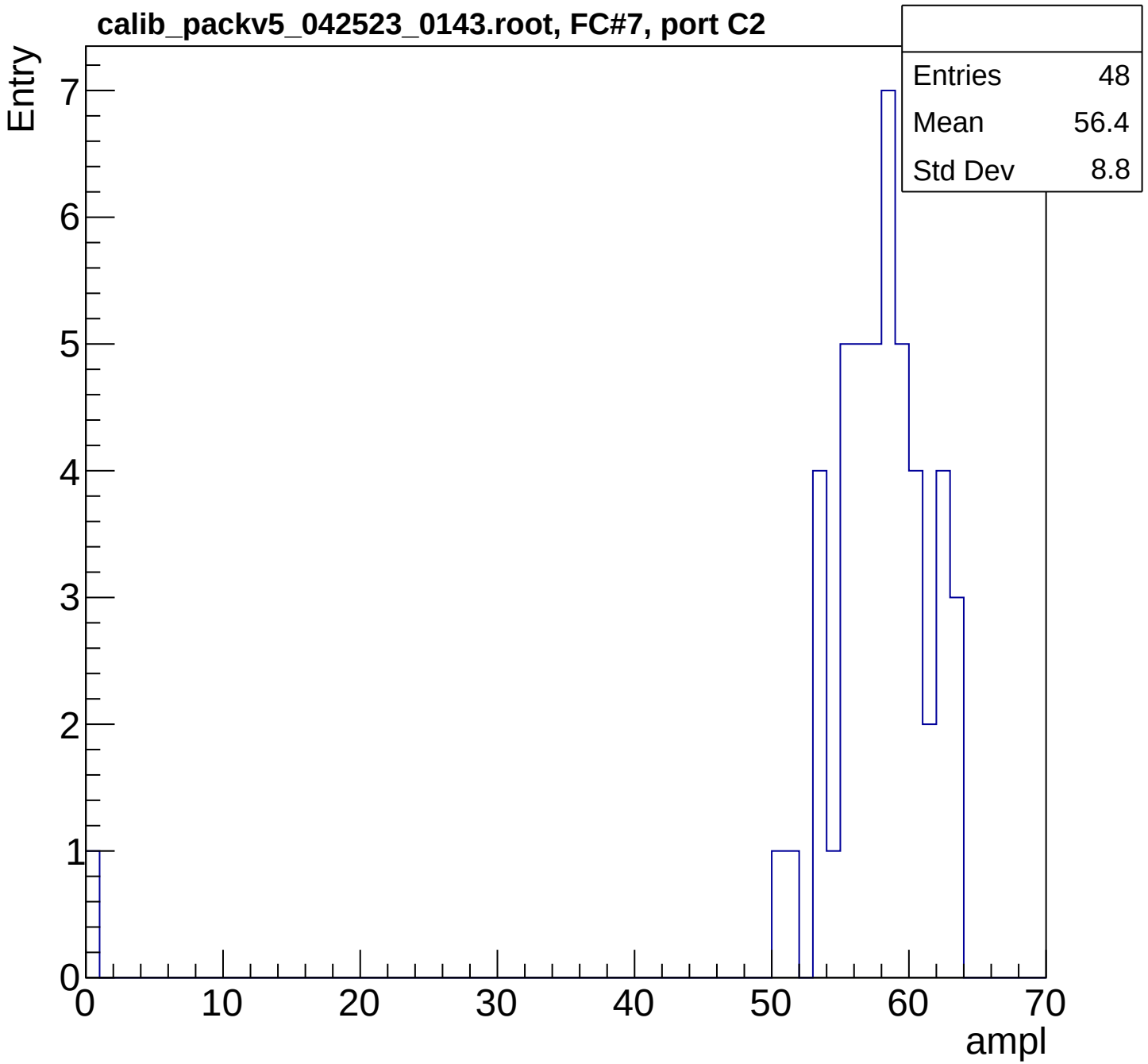
B1L103S, U3-ch60, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 56.4
Std Dev 8.8
Entry
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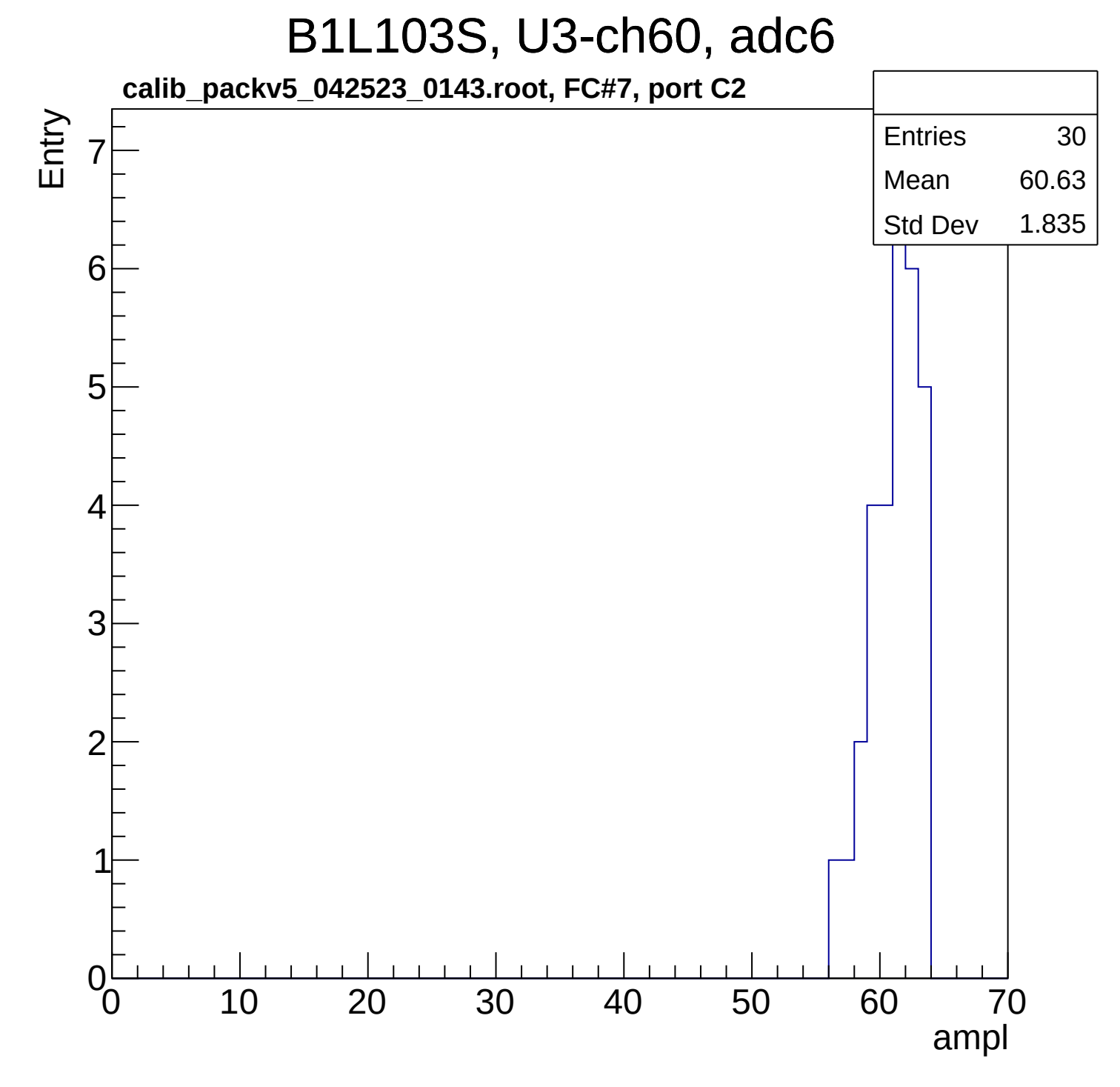
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch60, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 30
Mean 60.63
Std Dev 1.835
Entry
ampl
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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
50
60
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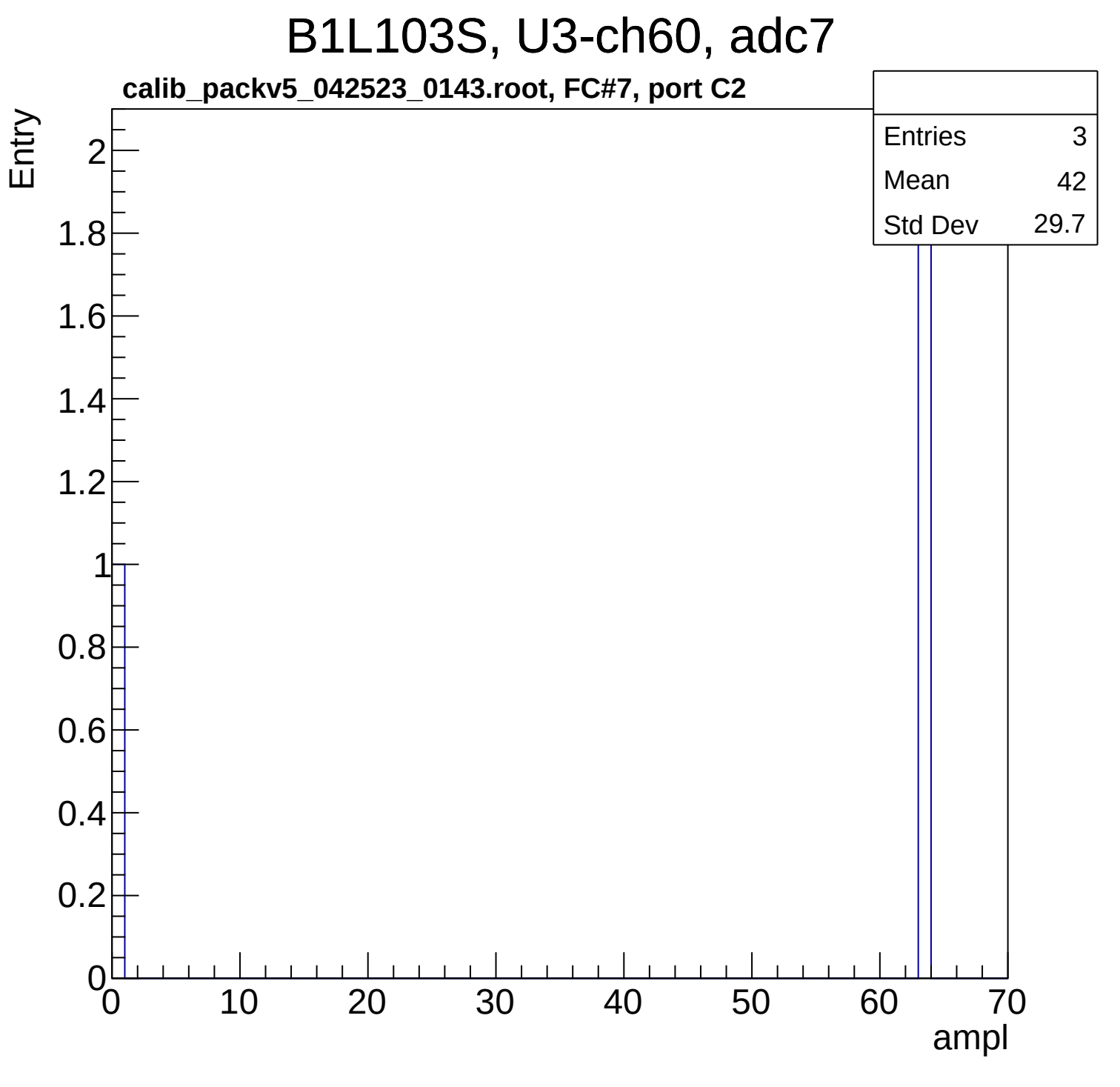
B1L103S, U3-ch60, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 42
Std Dev 29.7
Entry
ampl
0
0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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40
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60
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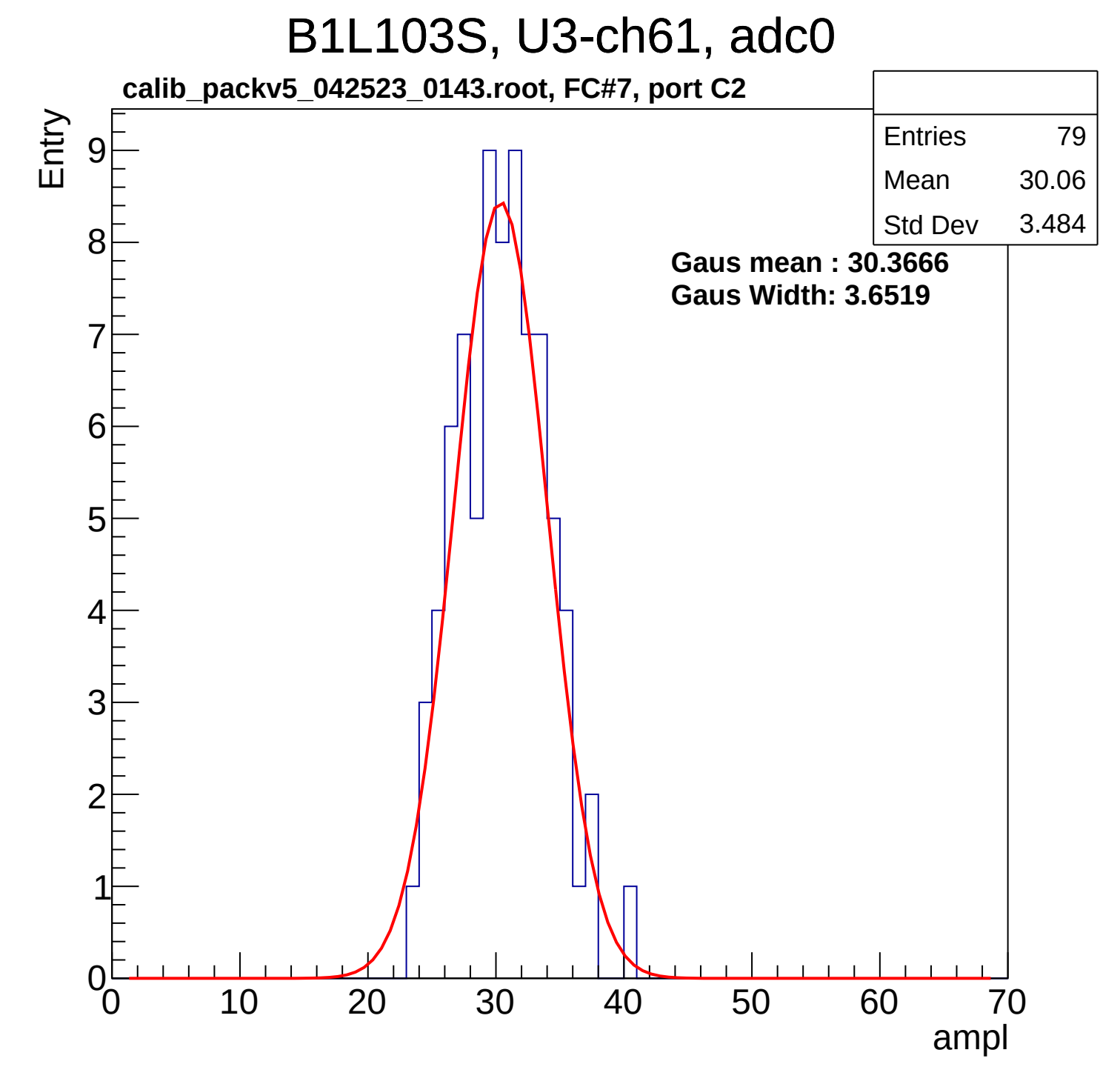
B1L103S, U3-ch61, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 30.06
Std Dev 3.484
Gaus mean : 30.3666
Gaus Width: 3.6519
Entry
ampl
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2
3
4
5
6
7
8
9
0
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40
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60
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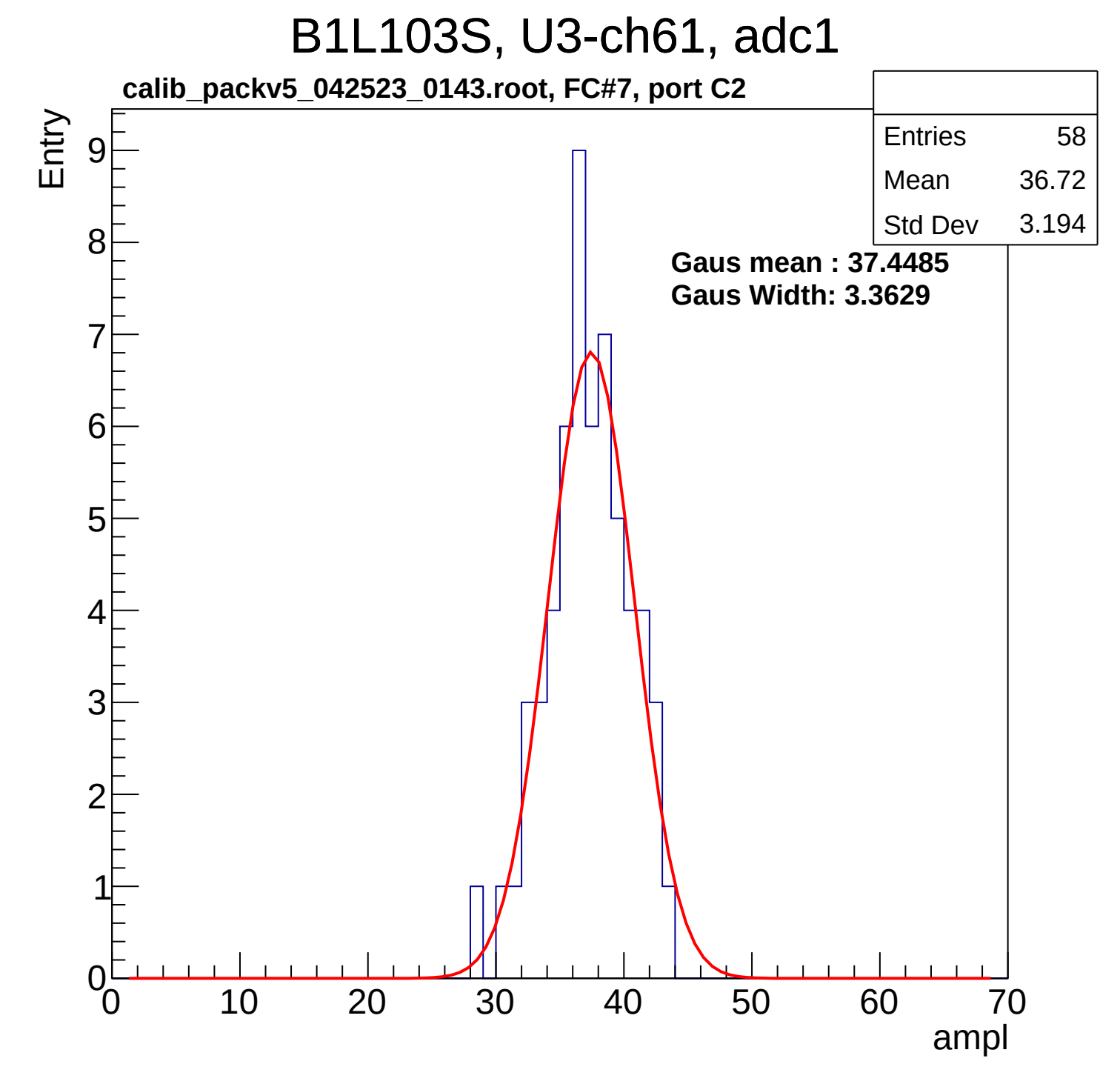
B1L103S, U3-ch61, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 36.72
Std Dev 3.194
Gaus mean : 37.4485
Gaus Width: 3.3629
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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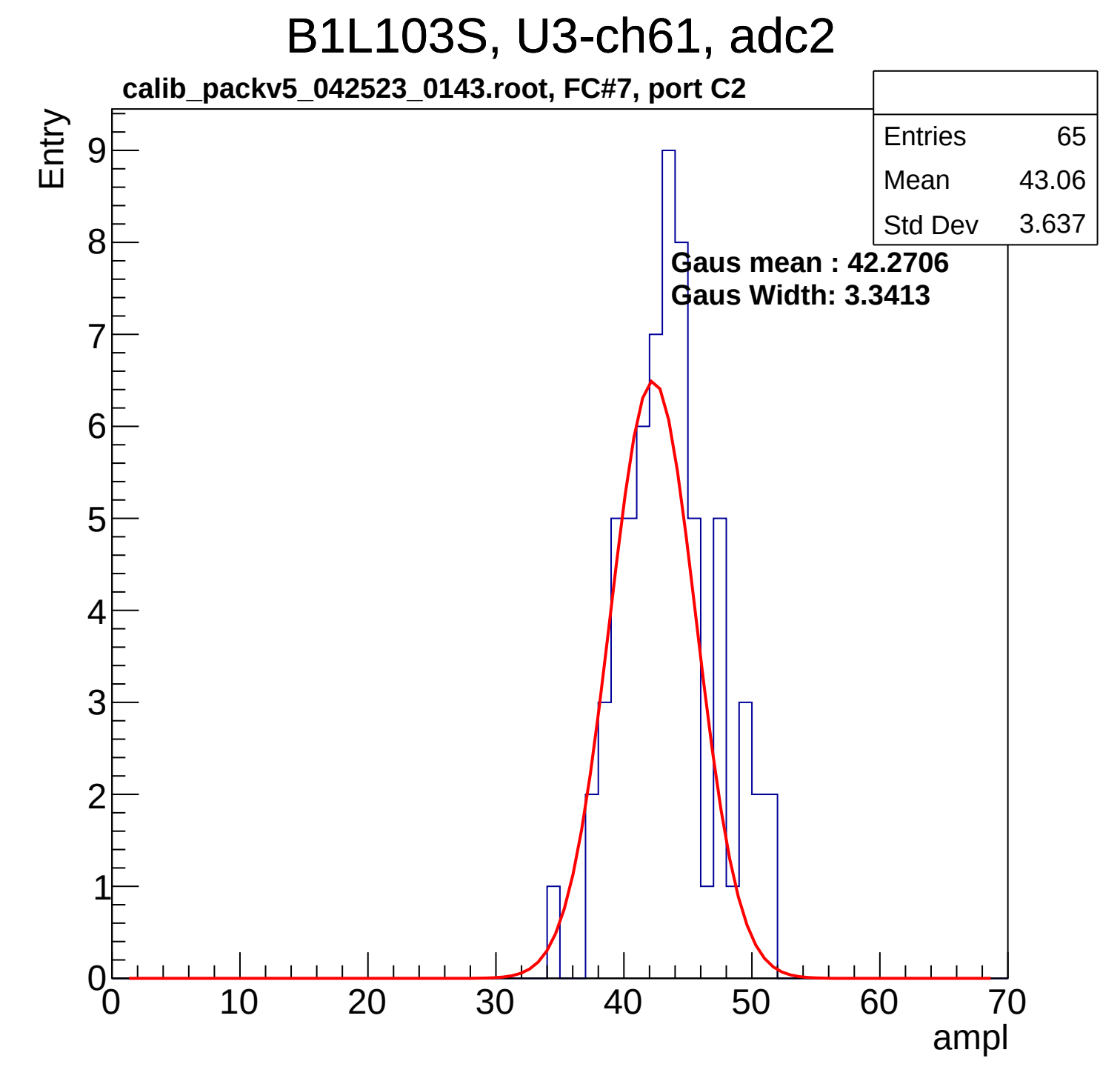
B1L103S, U3-ch61, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 43.06
Std Dev 3.637
Gaus mean : 42.2706
Gaus Width: 3.3413
Entry
ampl
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3
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6
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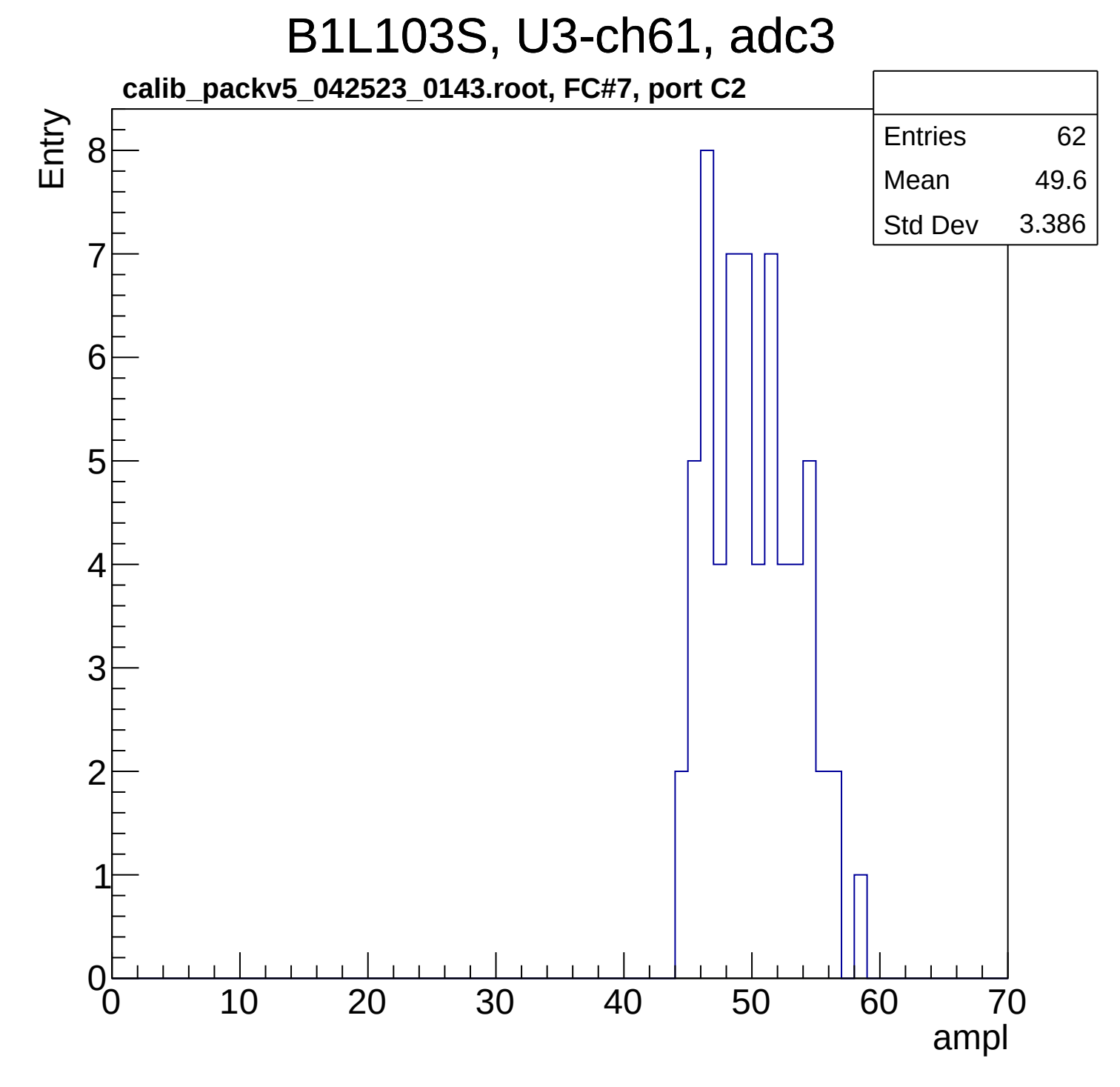
B1L103S, U3-ch61, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 49.6
Std Dev 3.386
Entry
ampl
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3
4
5
6
7
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0
10
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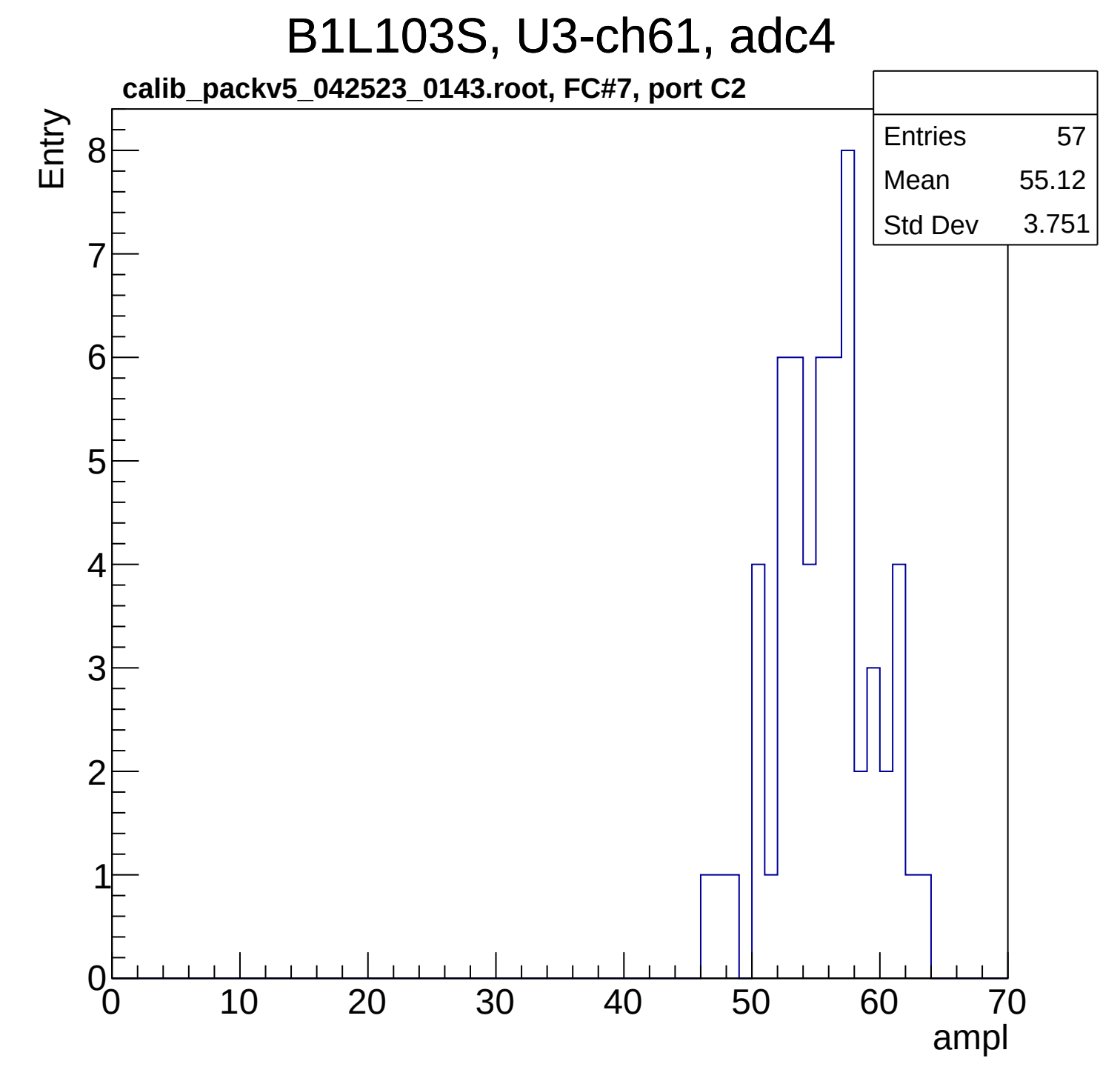
B1L103S, U3-ch61, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 55.12
Std Dev 3.751
Entry
ampl
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3
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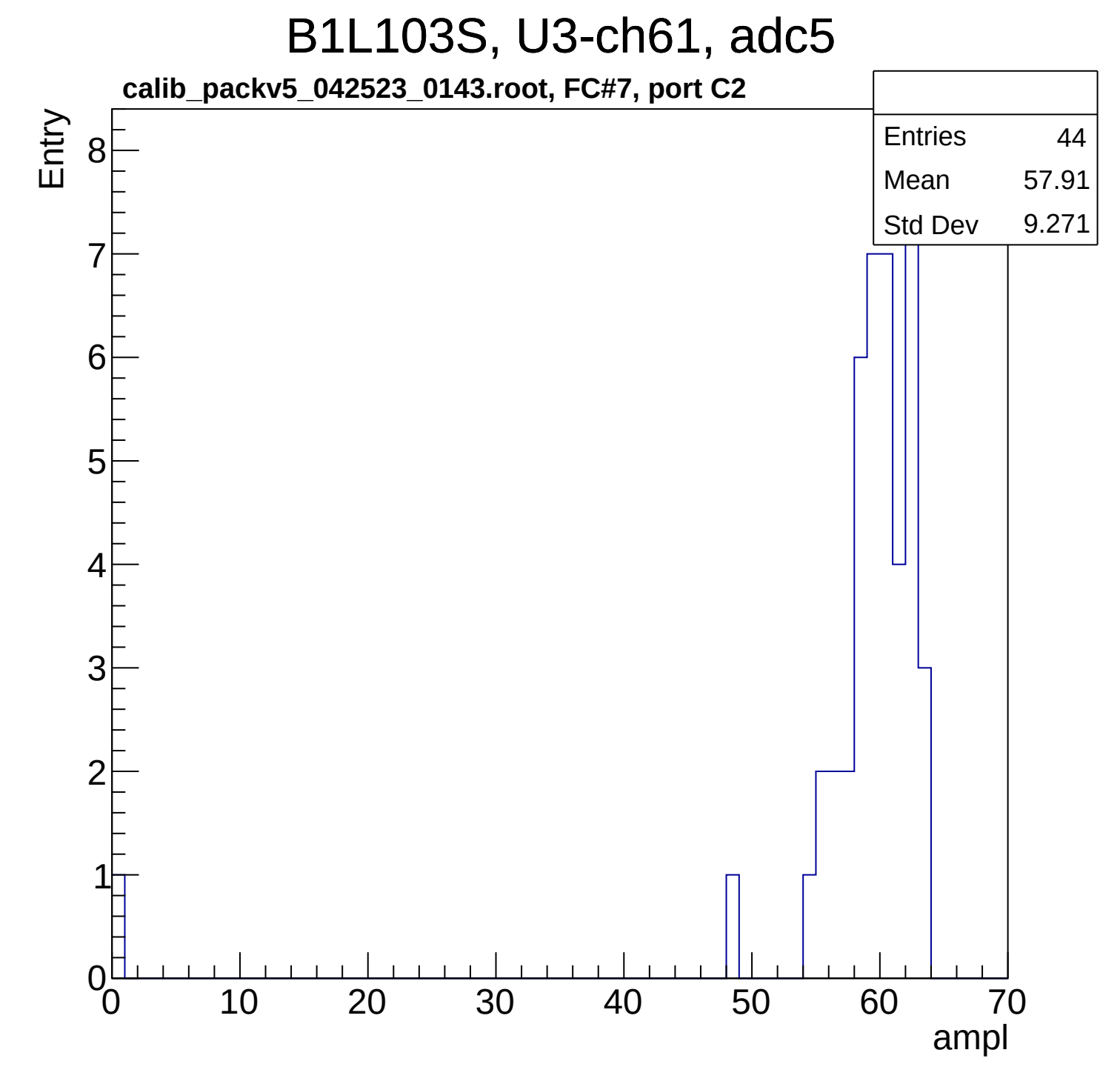
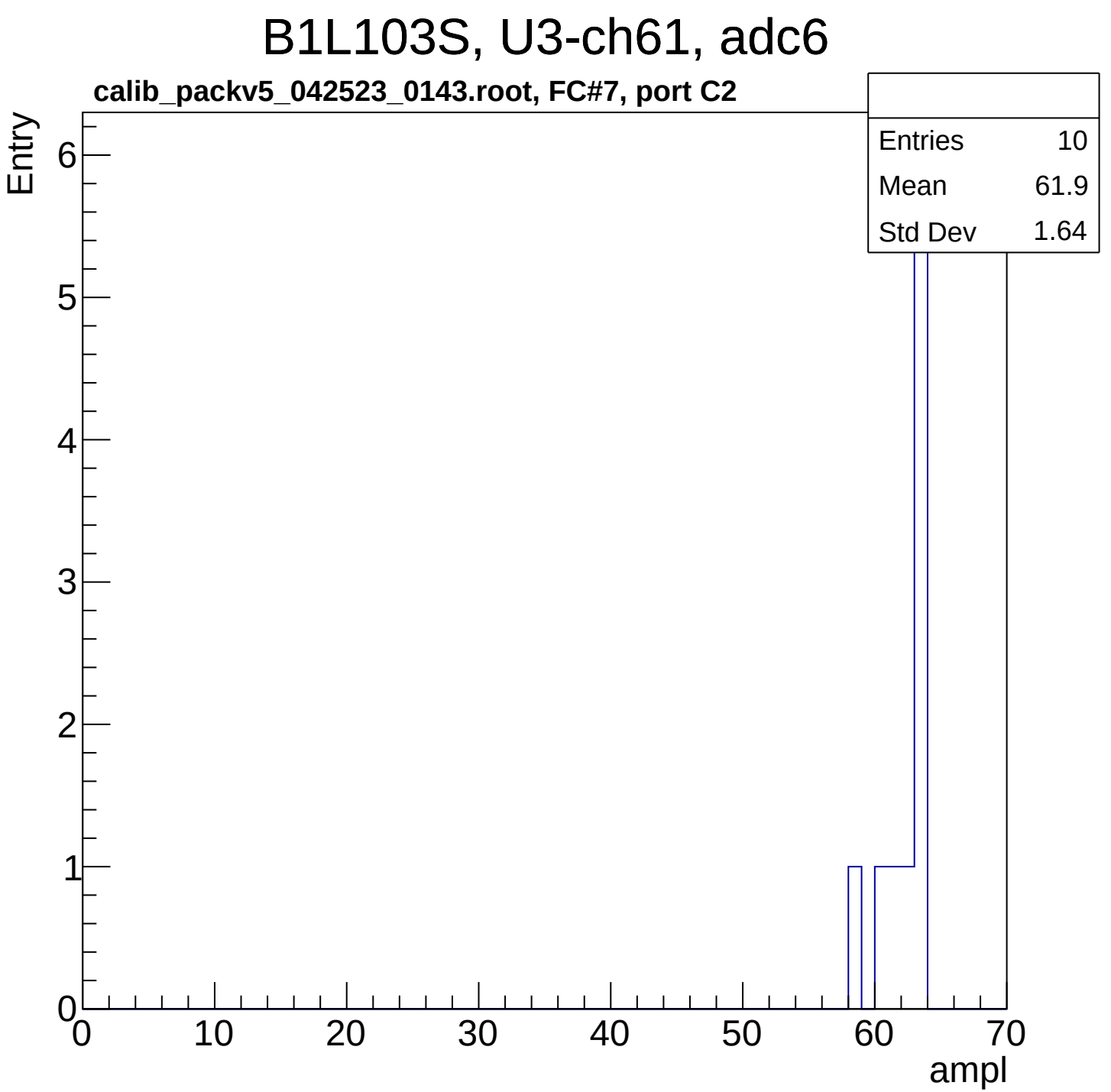
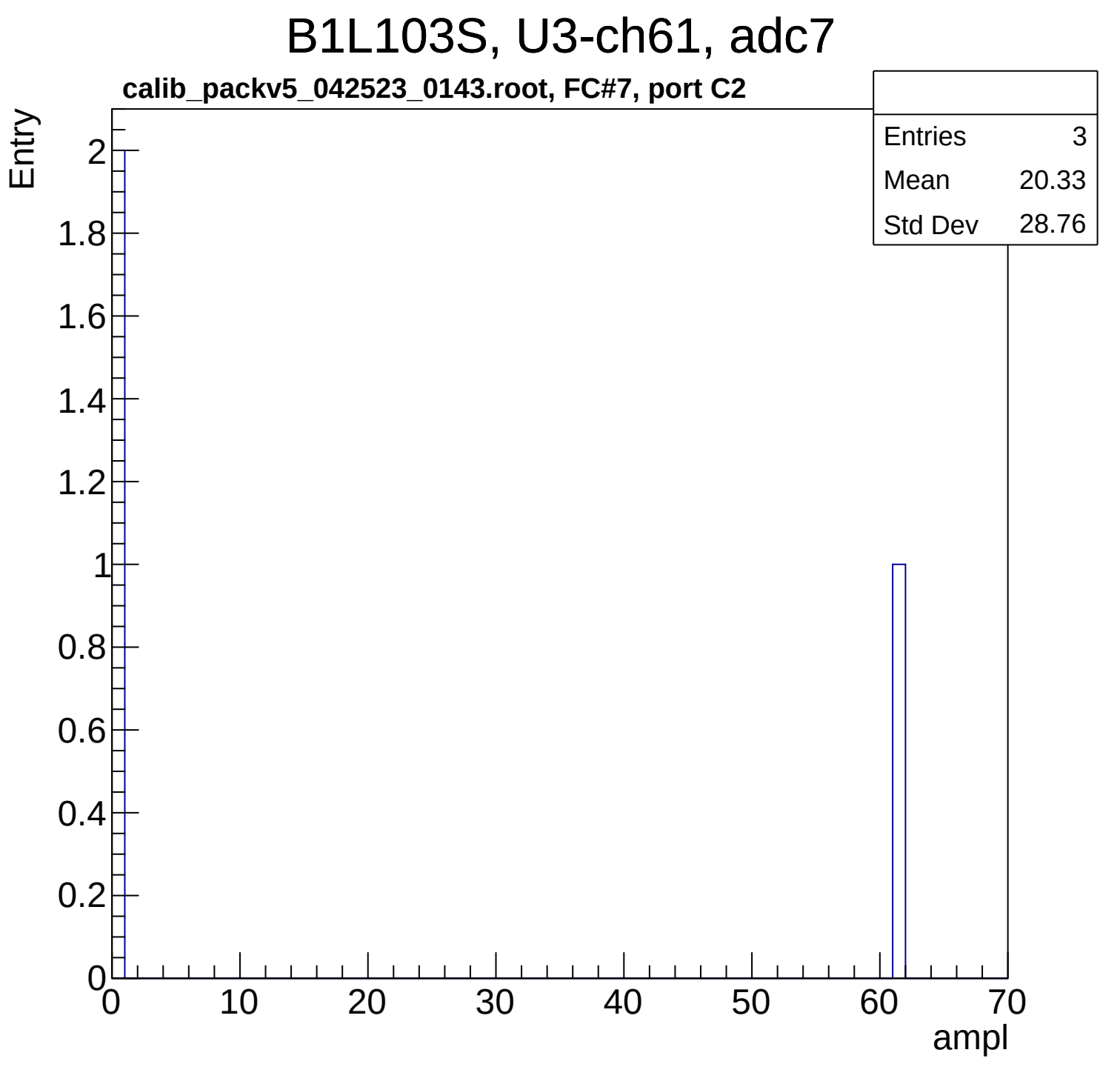

B1L103S, U3-ch61, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 57.91
Std Dev 9.271
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch61, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 61.9
Std Dev 1.64
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch61, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 20.33
Std Dev 28.76
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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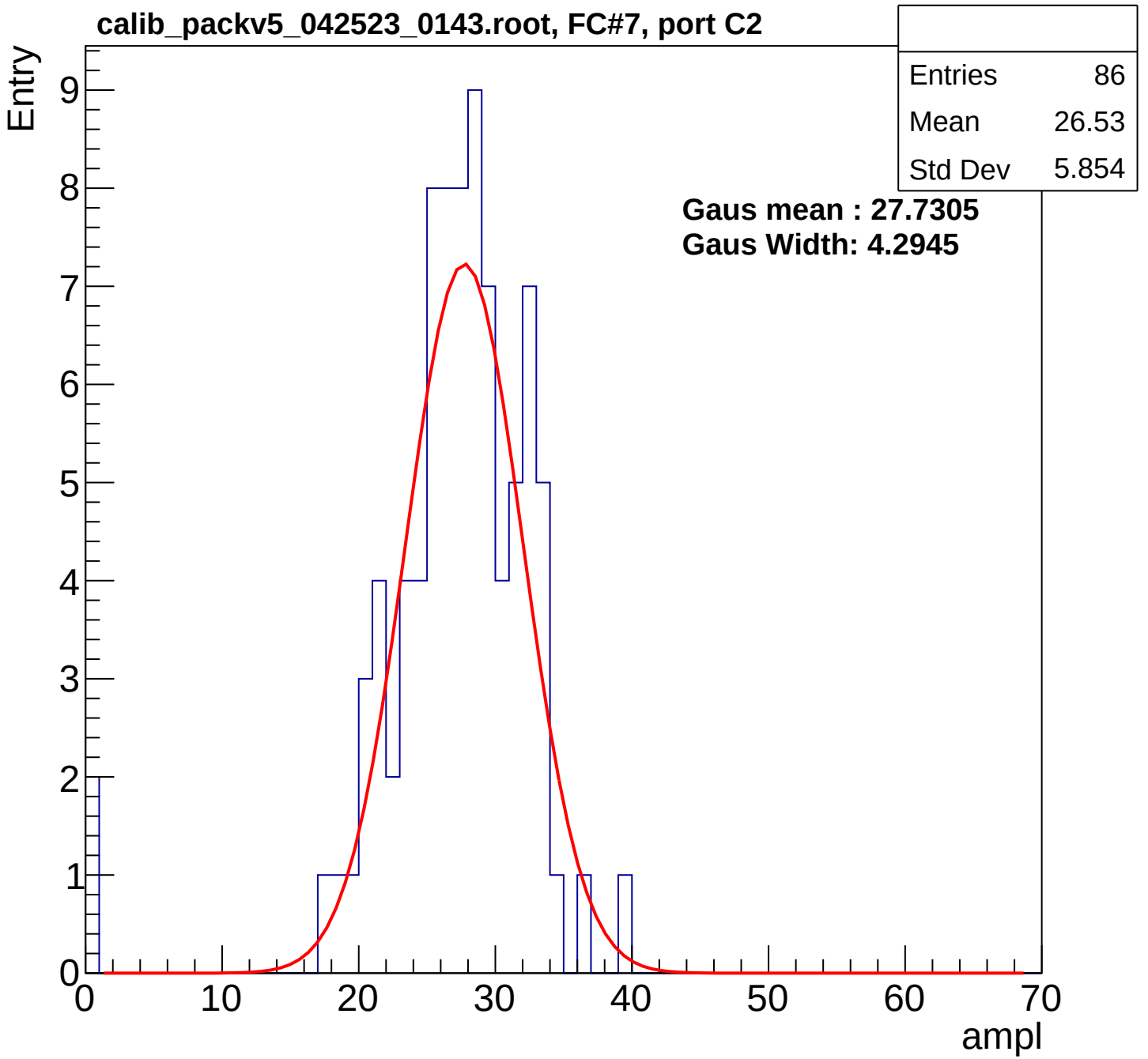
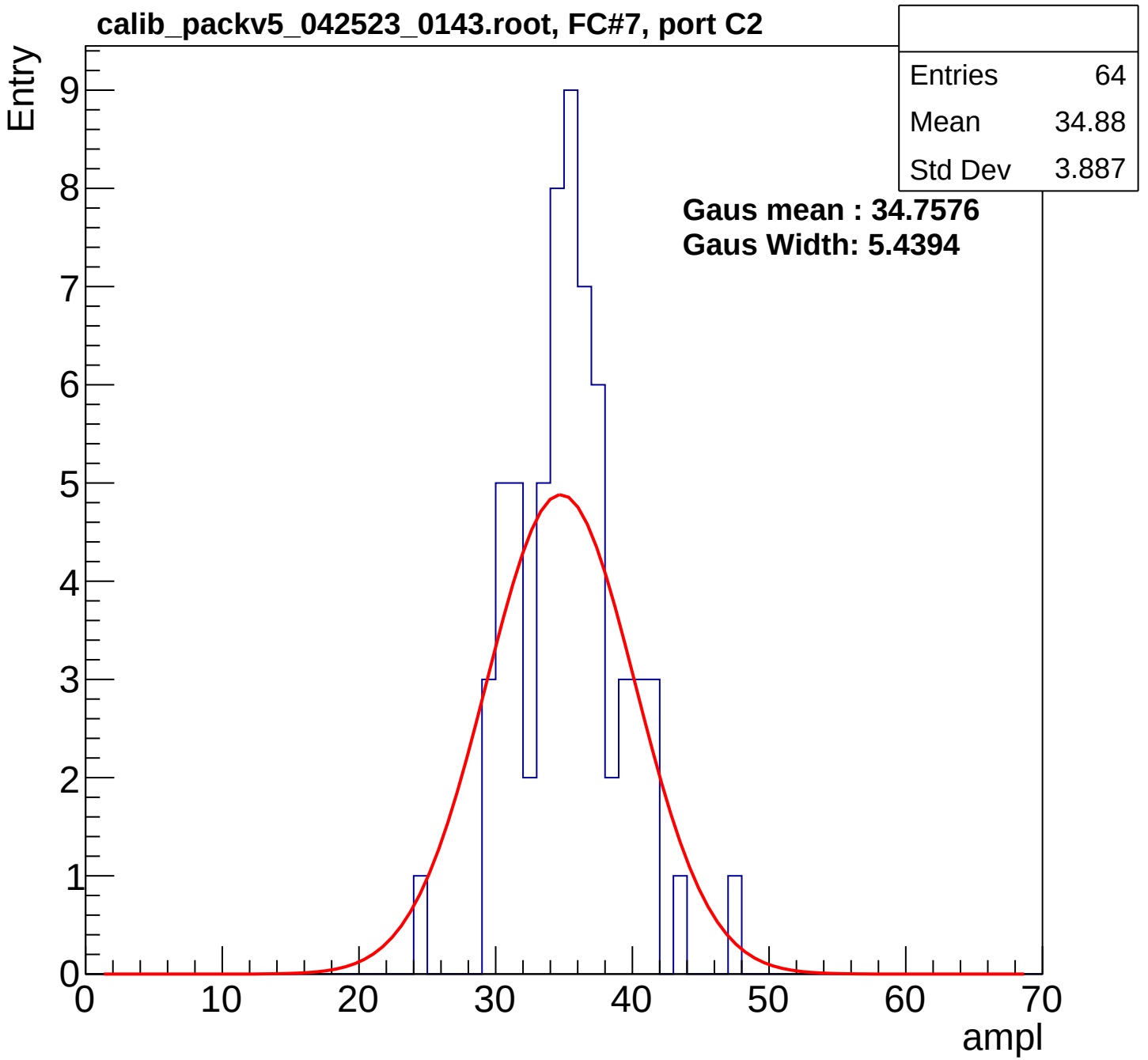

B1L103S, U3-ch62, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 86
Mean 26.53
Std Dev 5.854
Gaus mean : 27.7305
Gaus Width: 4.2945
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch62, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 34.88
Std Dev 3.887
Gaus mean : 34.7576
Gaus Width: 5.4394
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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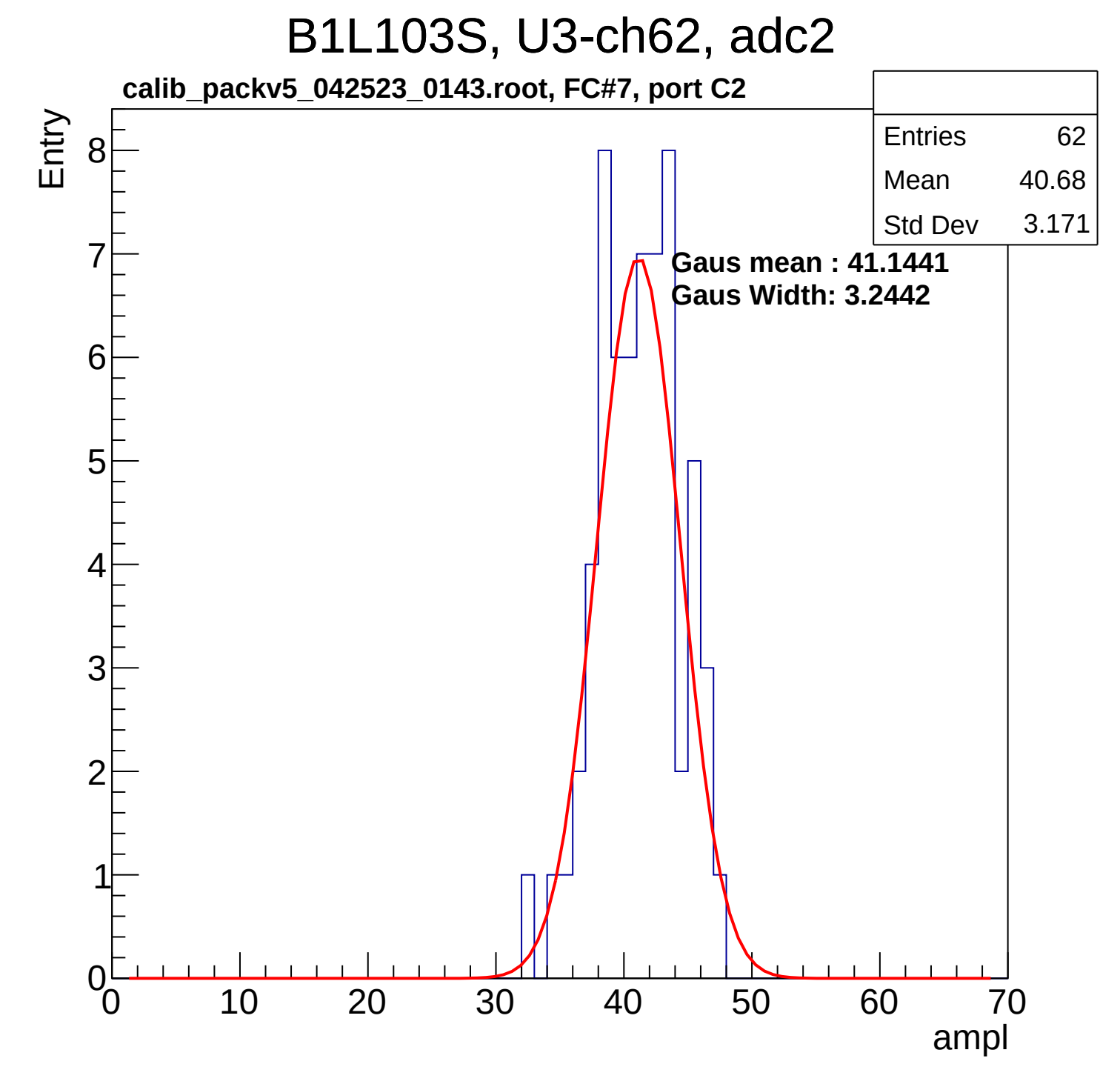
B1L103S, U3-ch62, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 40.68
Std Dev 3.171
Gaus mean : 41.1441
Gaus Width: 3.2442
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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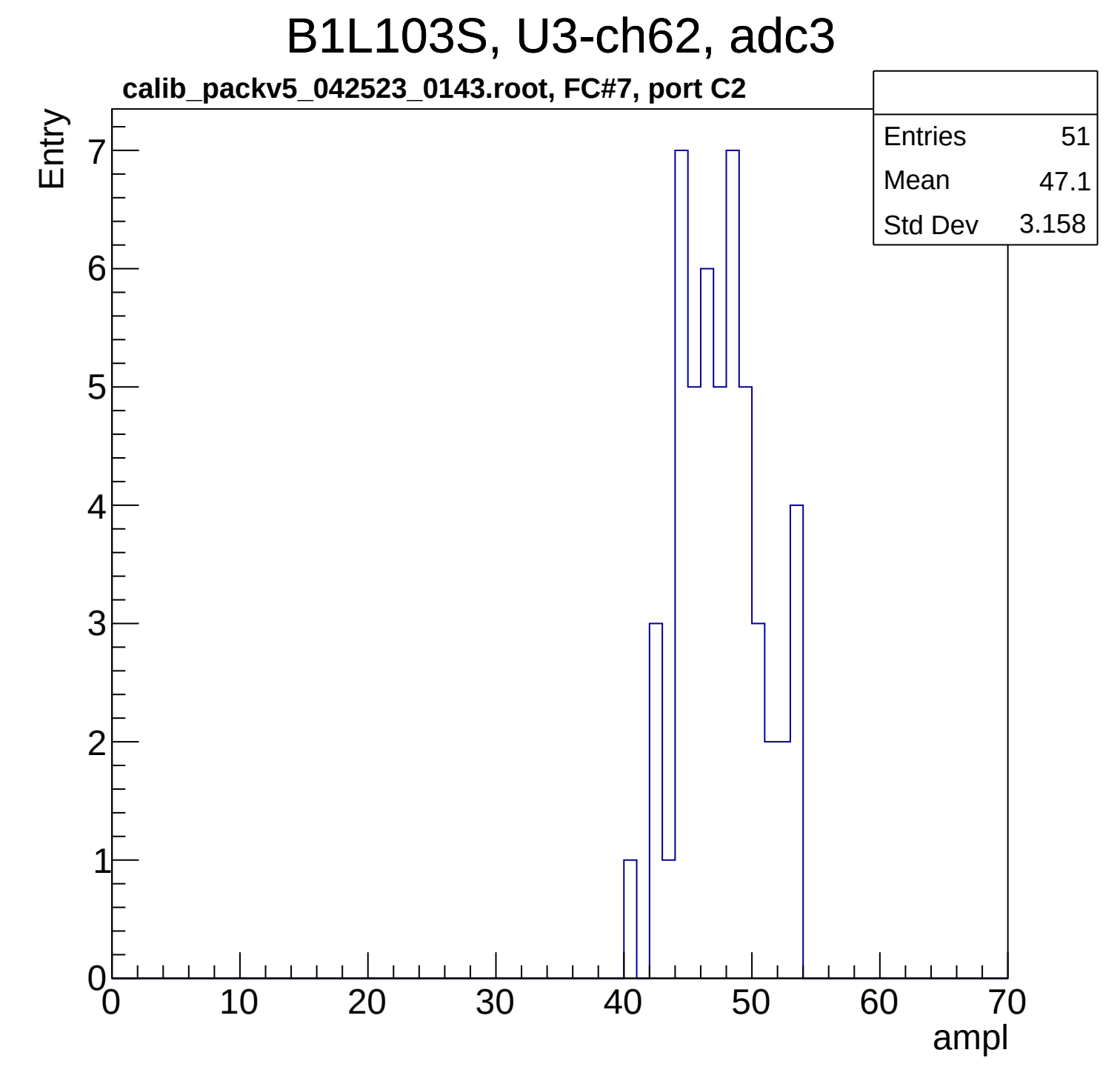
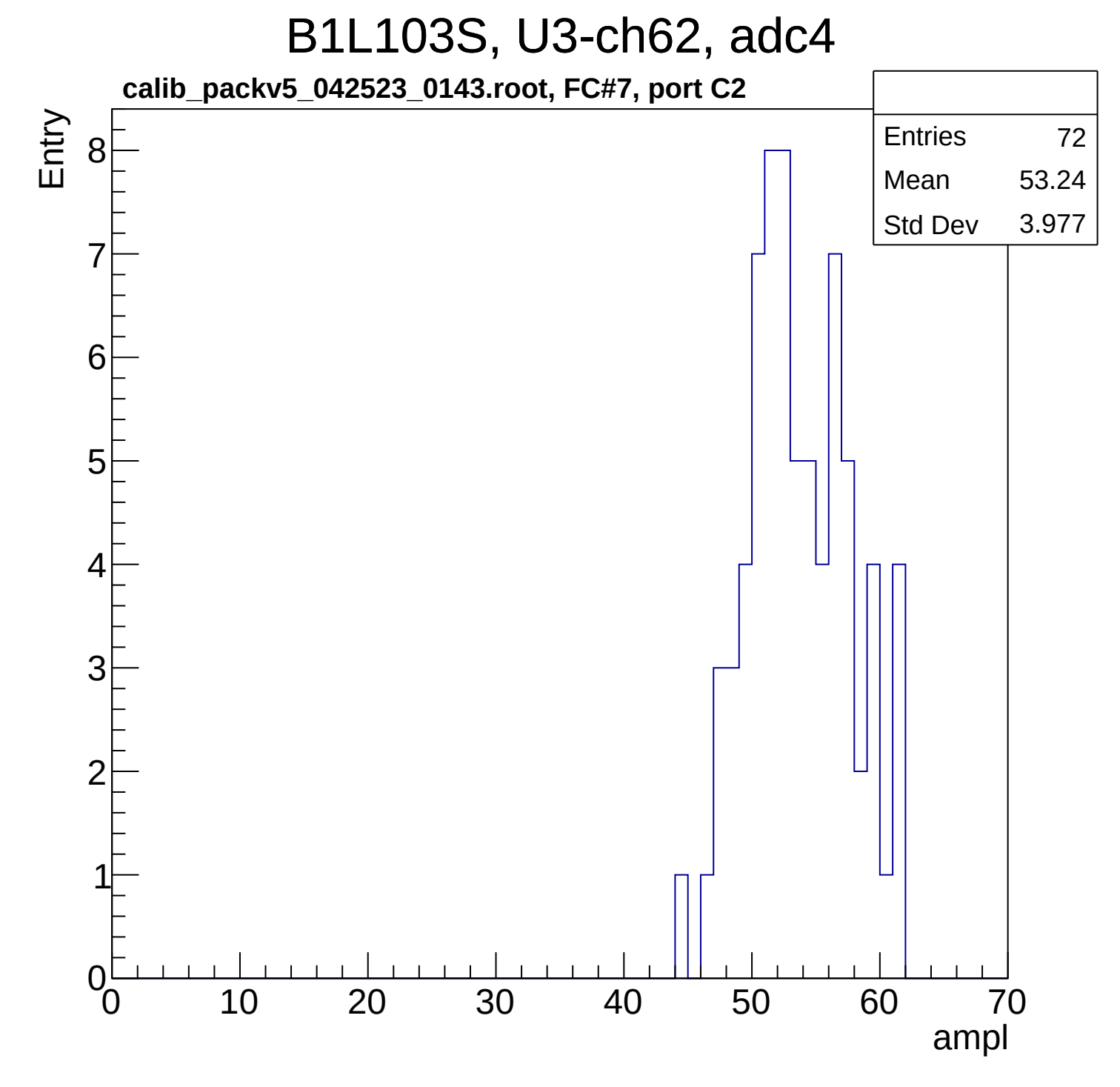
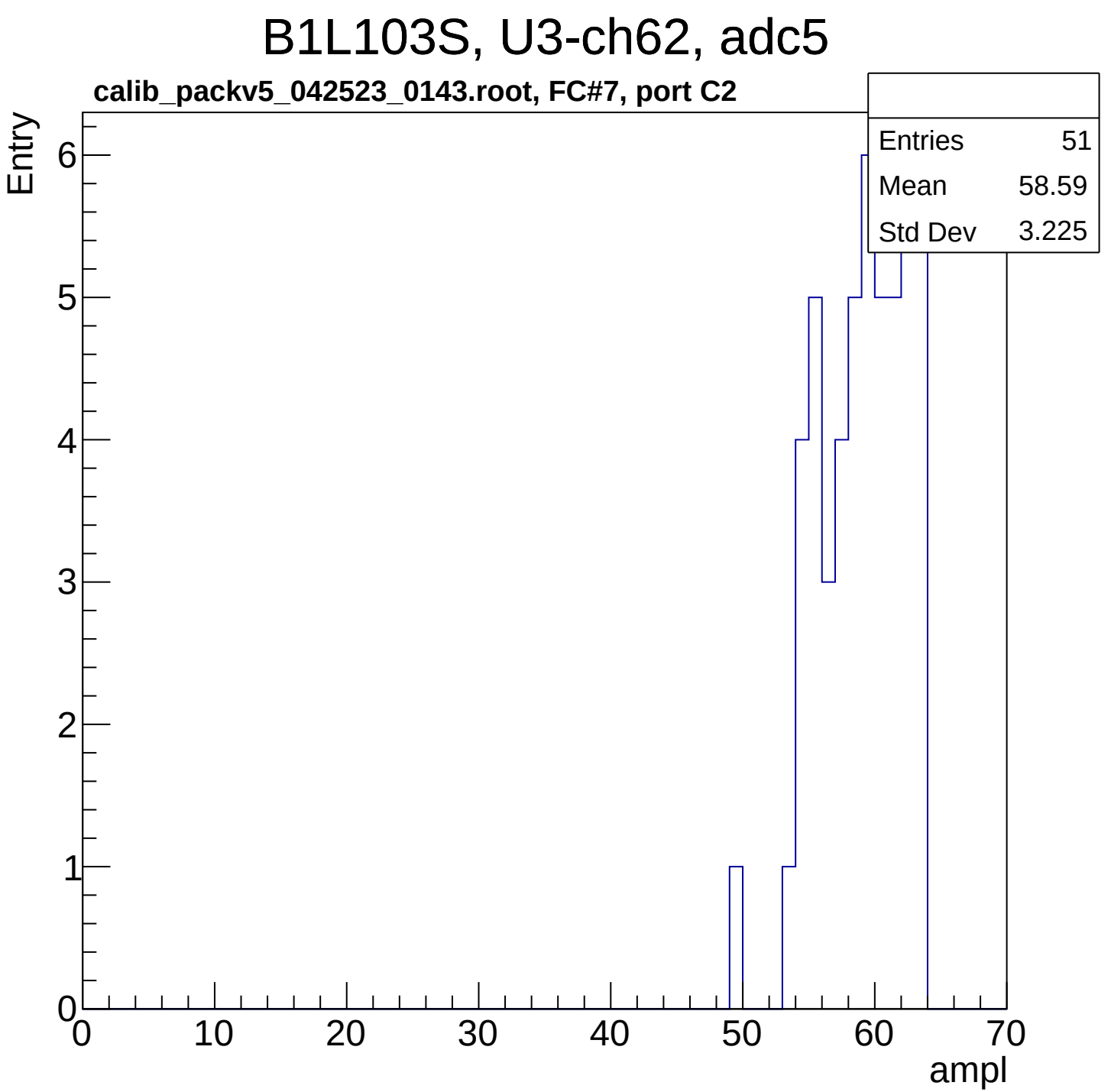
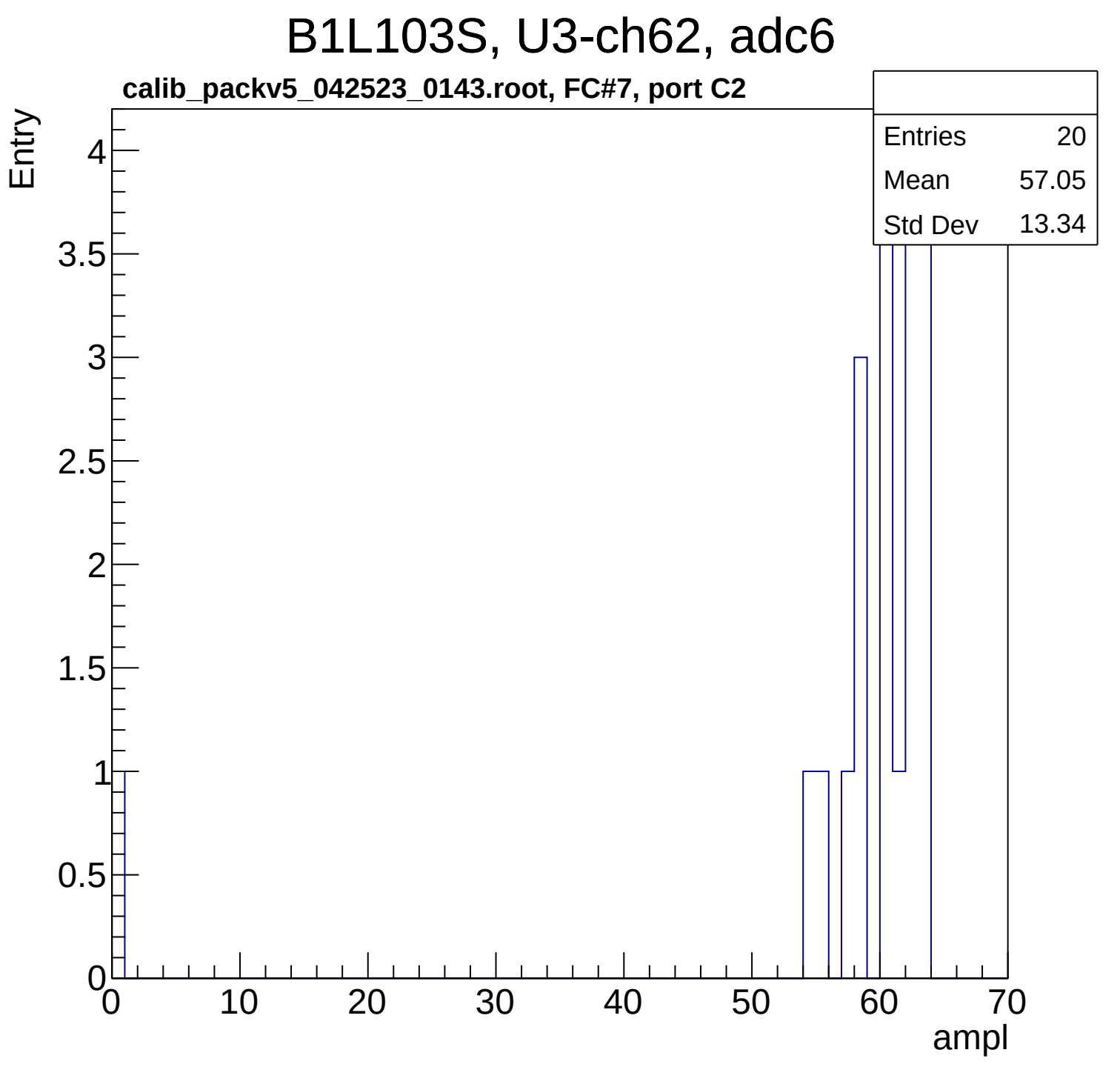
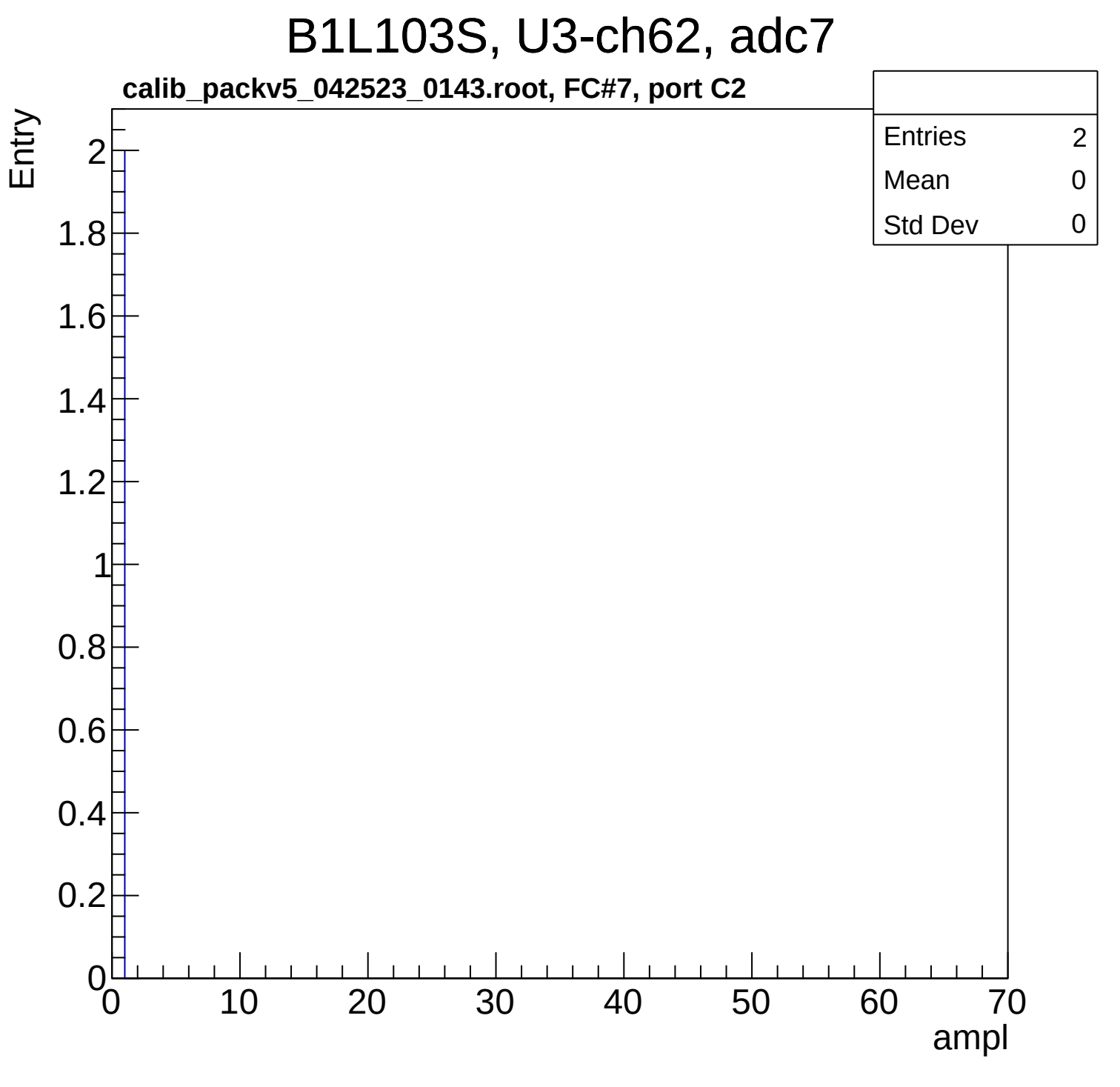
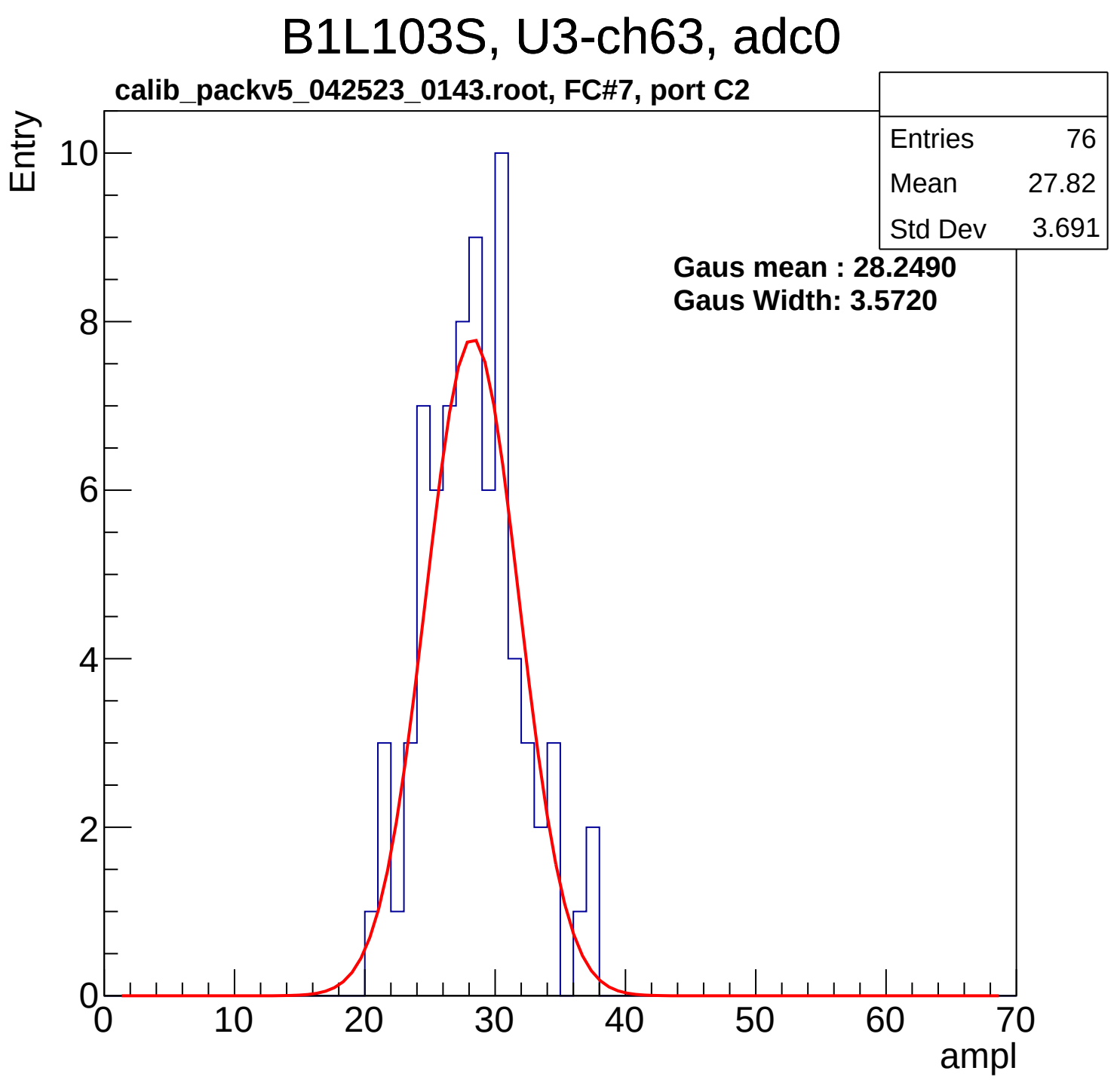

B1L103S, U3-ch62, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 47.1
Std Dev 3.158
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

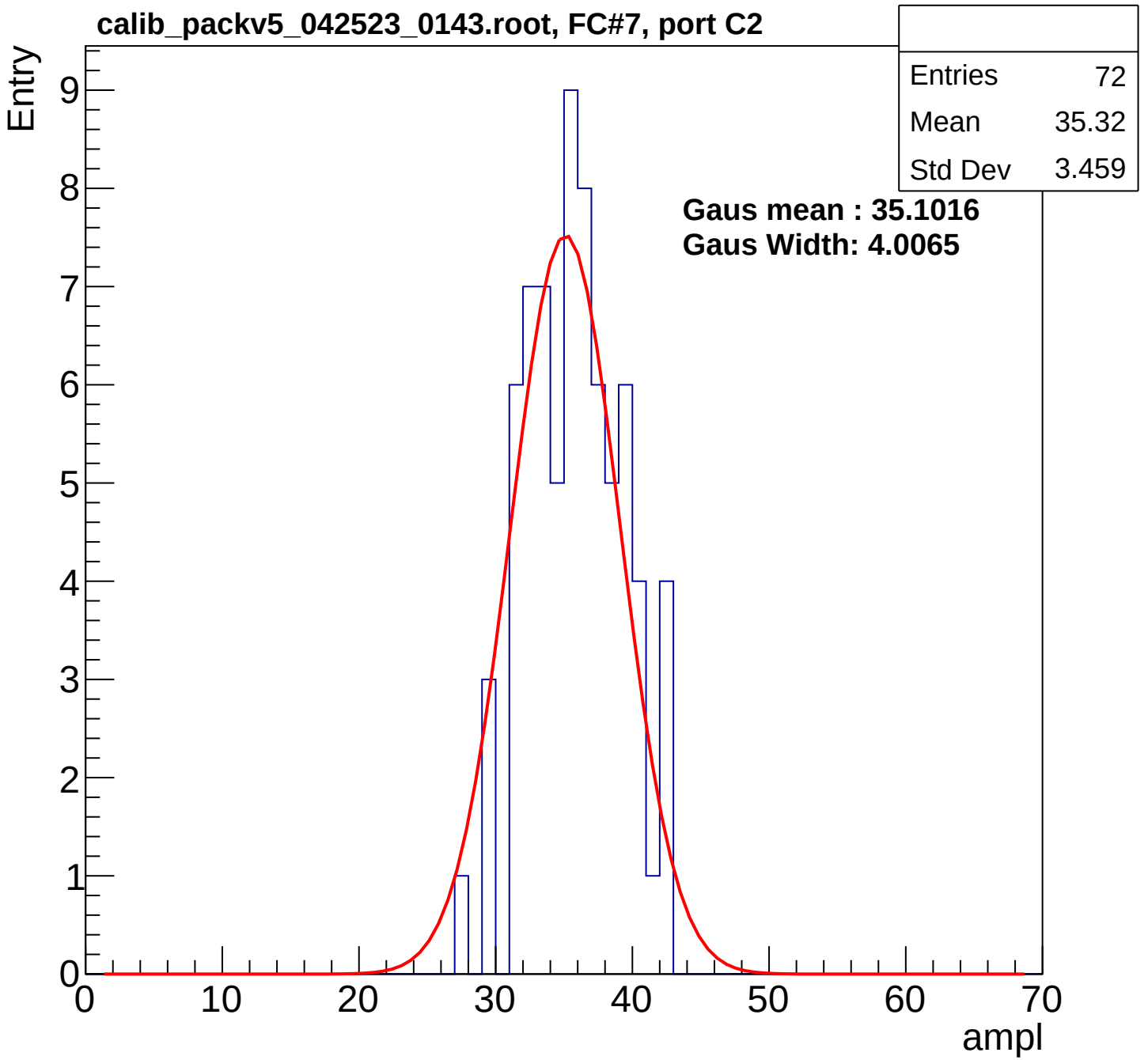

B1L103S, U3-ch62, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 53.24
Std Dev 3.977
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

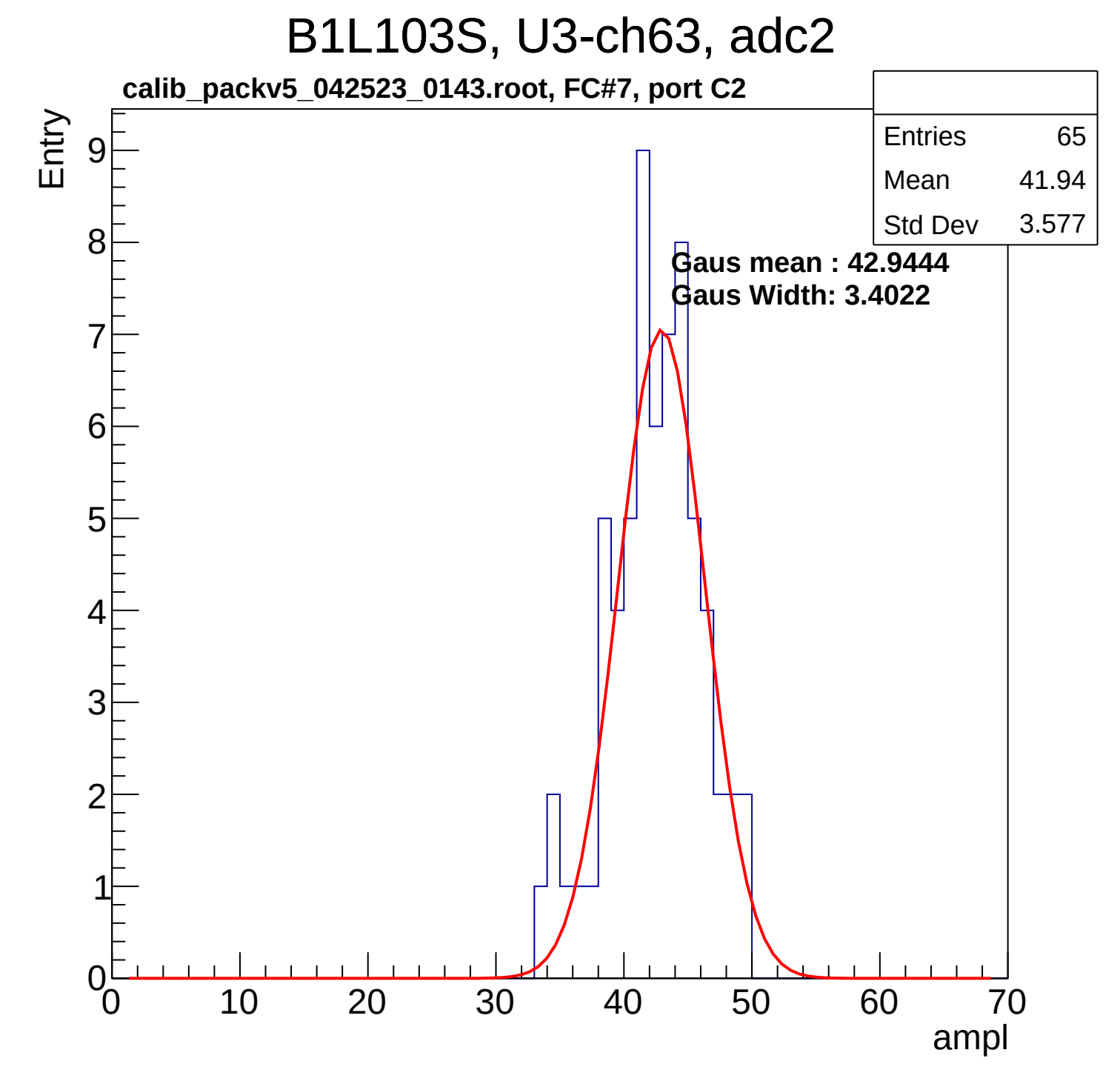

B1L103S, U3-ch62, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 58.59
Std Dev 3.225
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

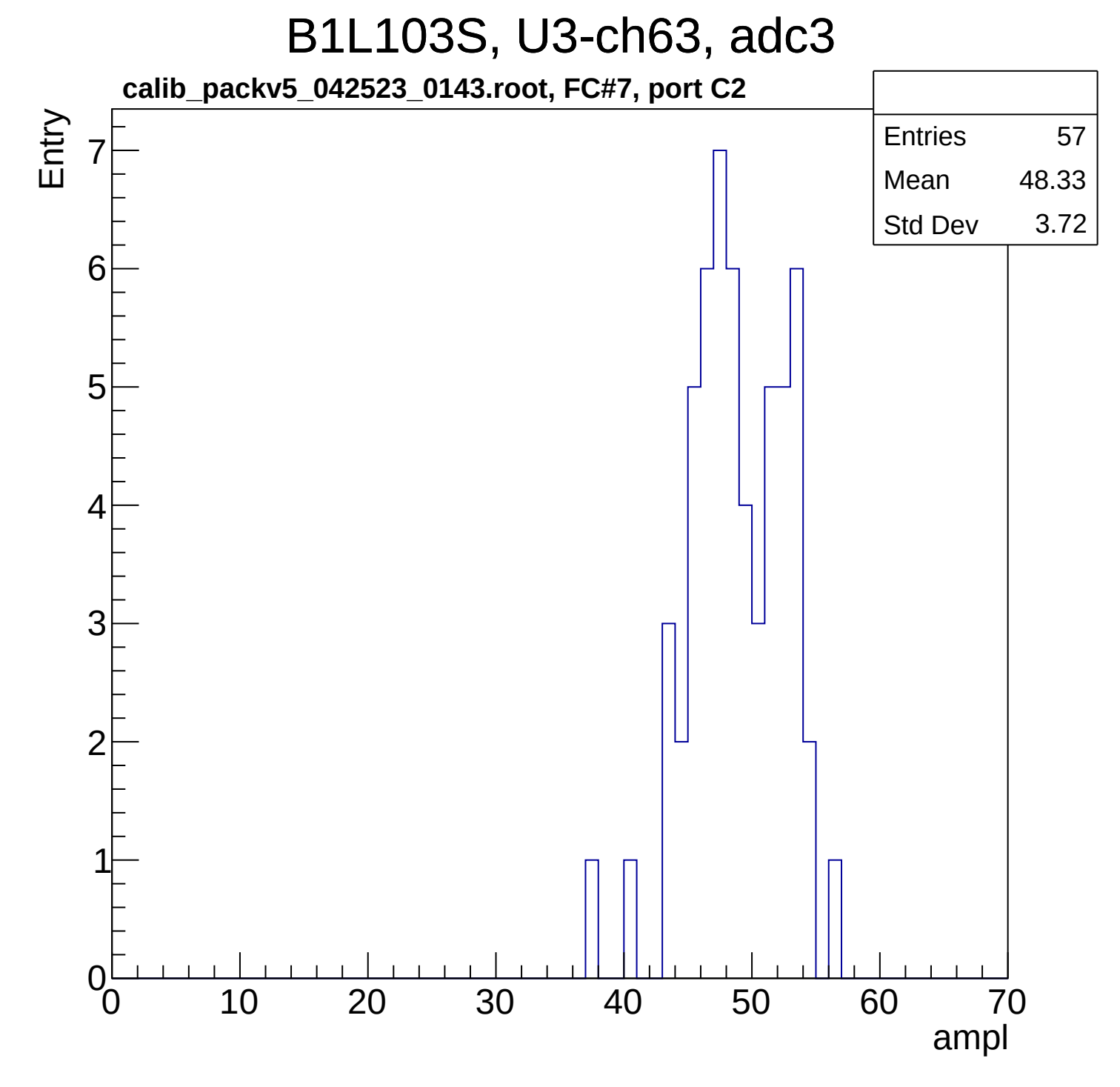

B1L103S, U3-ch62, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 20
Mean 57.05
Std Dev 13.34
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch62, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch63, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 27.82
Std Dev 3.691
Gaus mean : 28.2490
Gaus Width: 3.5720
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 35.32
Std Dev 3.459
Gaus mean : 35.1016
Gaus Width: 4.0065
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 41.94
Std Dev 3.577
Gaus mean : 42.9444
Gaus Width: 3.4022
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 48.33
Std Dev 3.72
Entry
ampl
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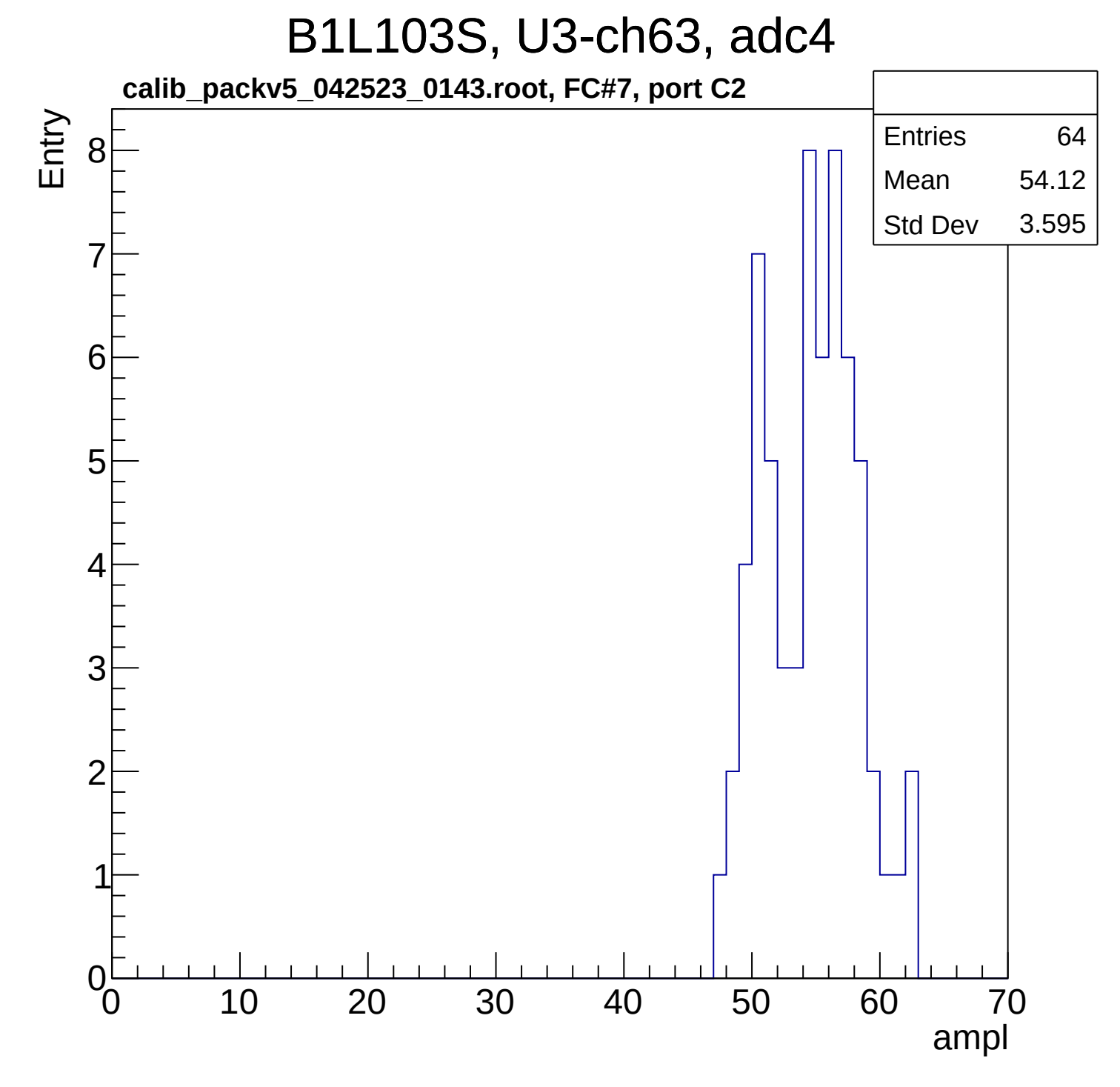
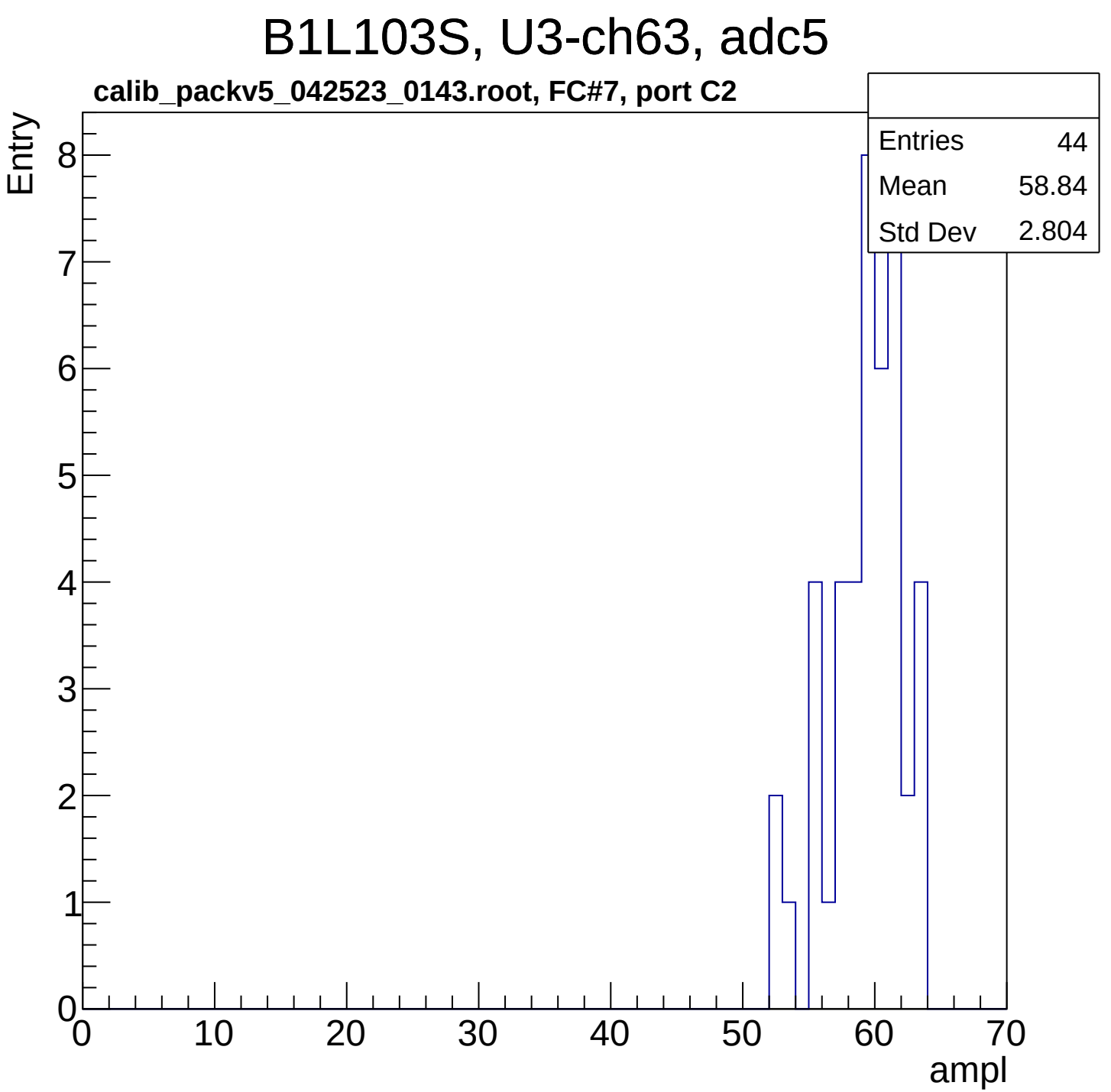
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 54.12
Std Dev 3.595
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.84
Std Dev 2.804
Entry
ampl
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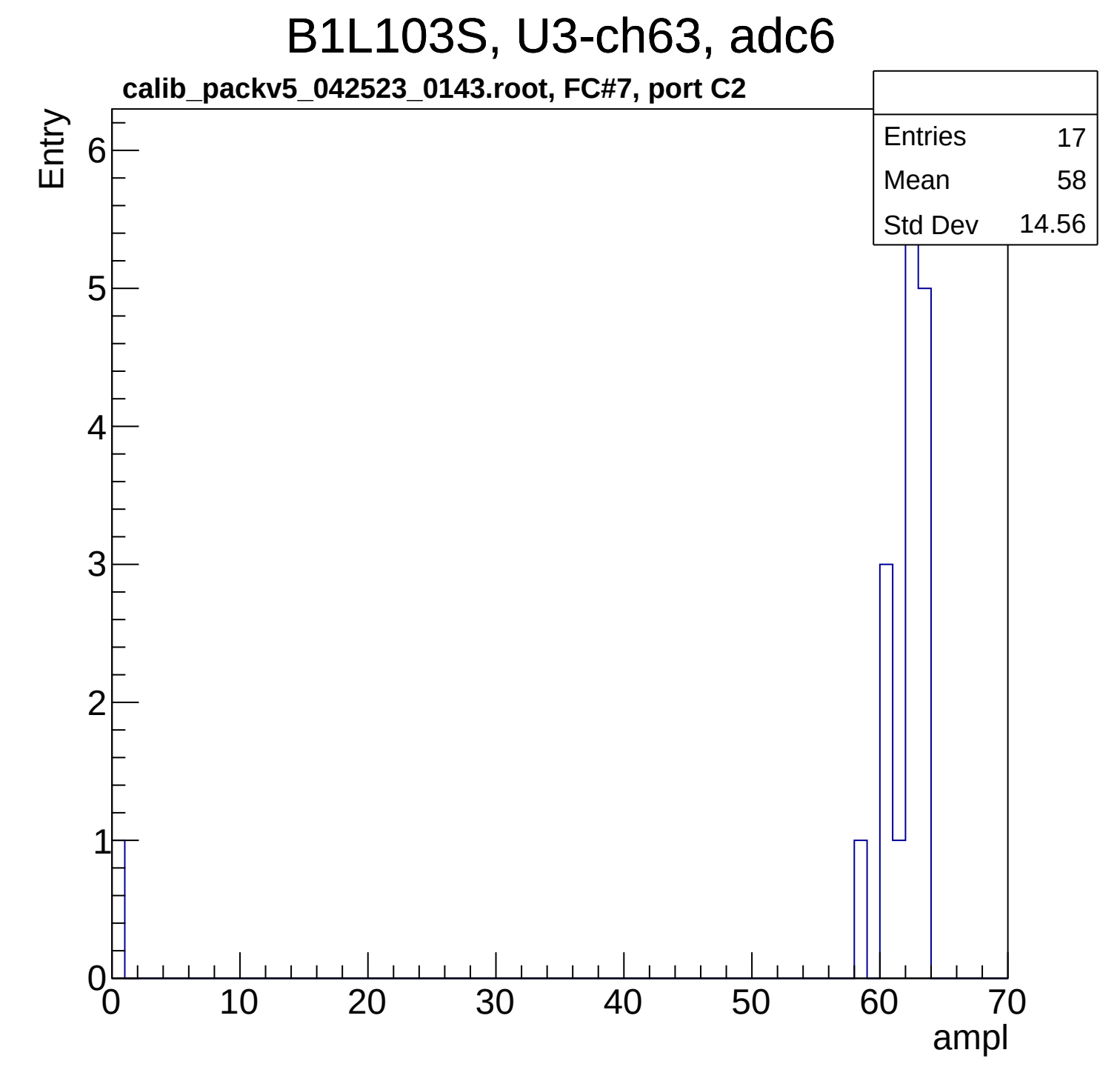
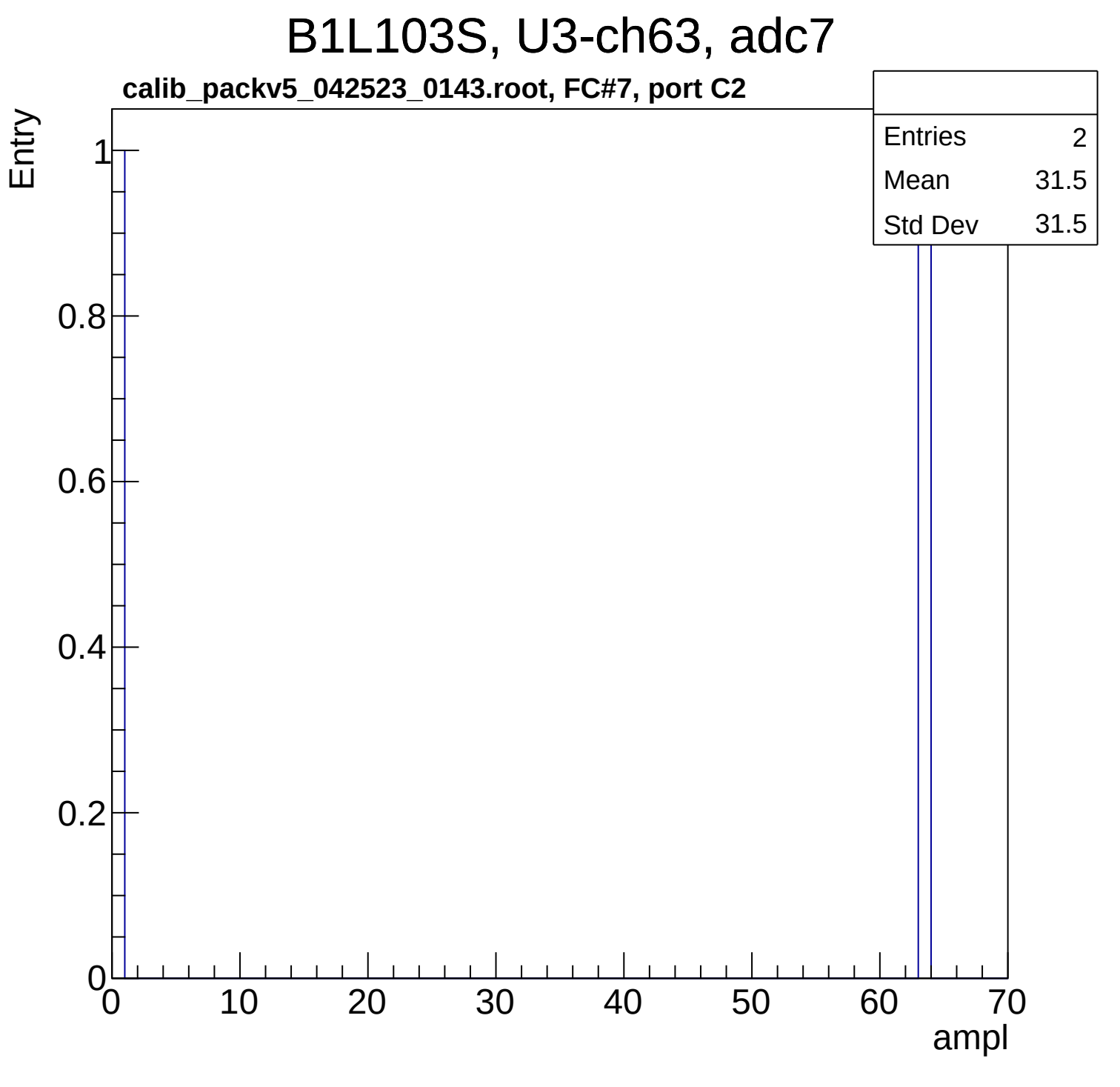
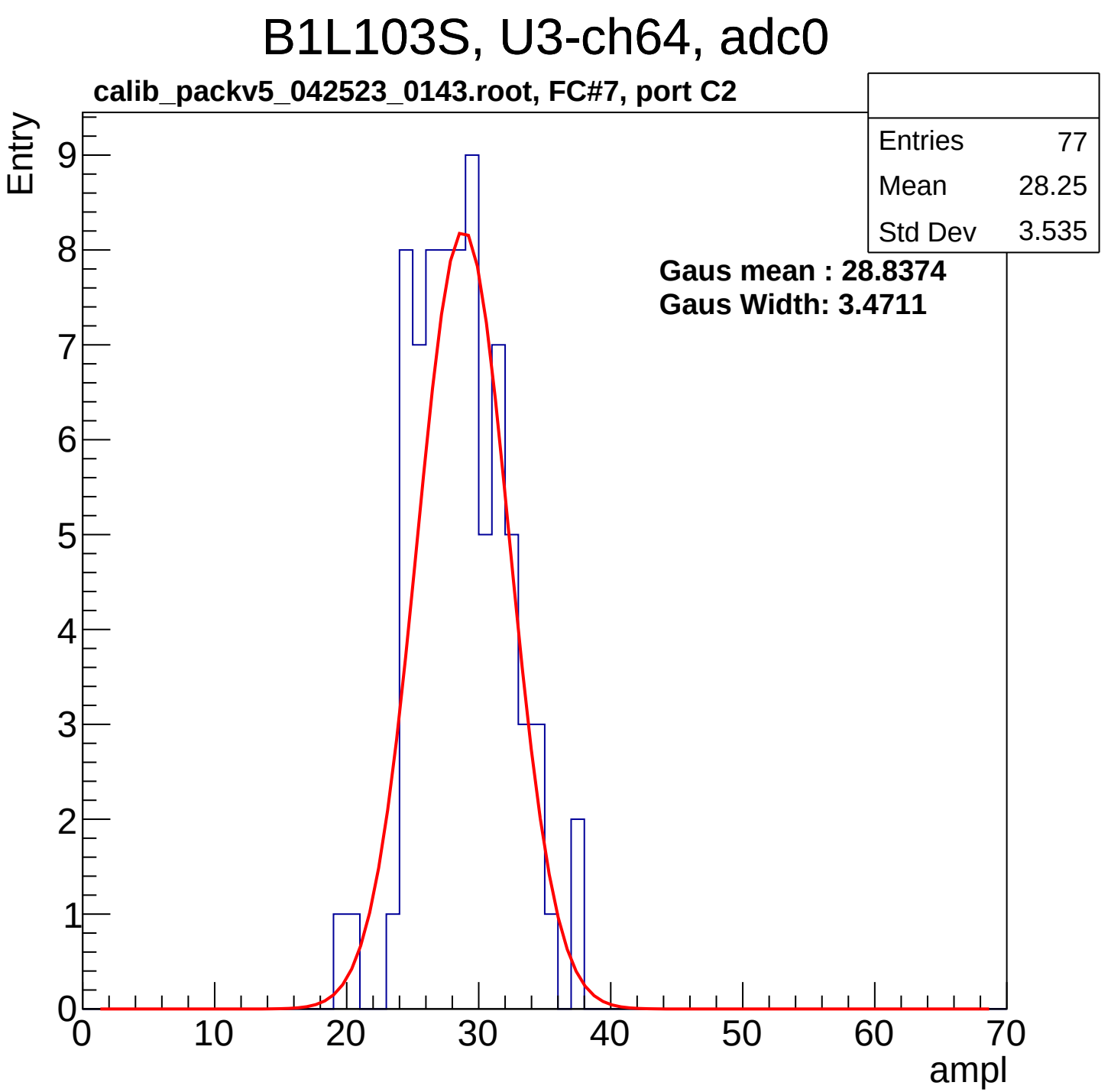
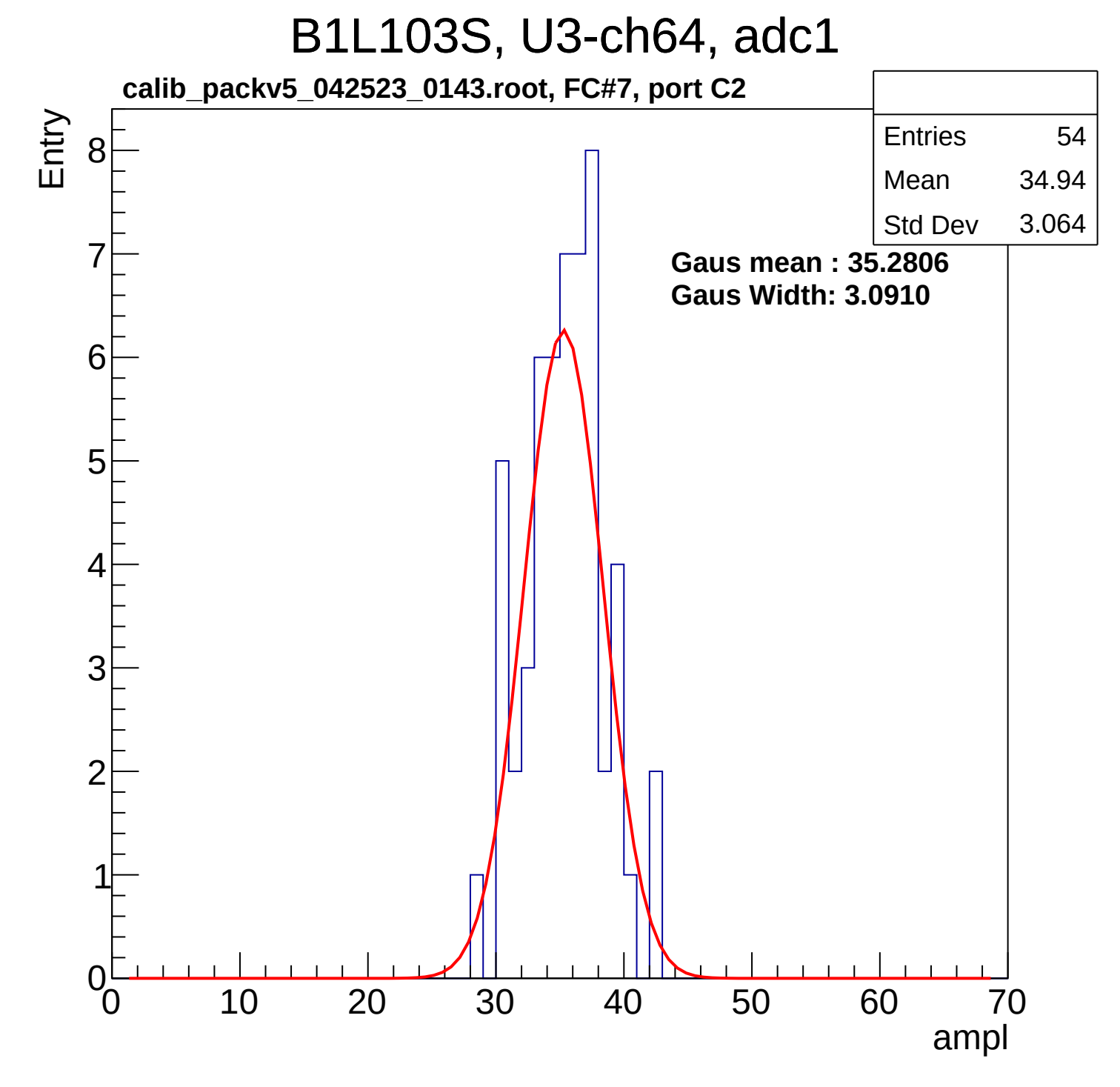
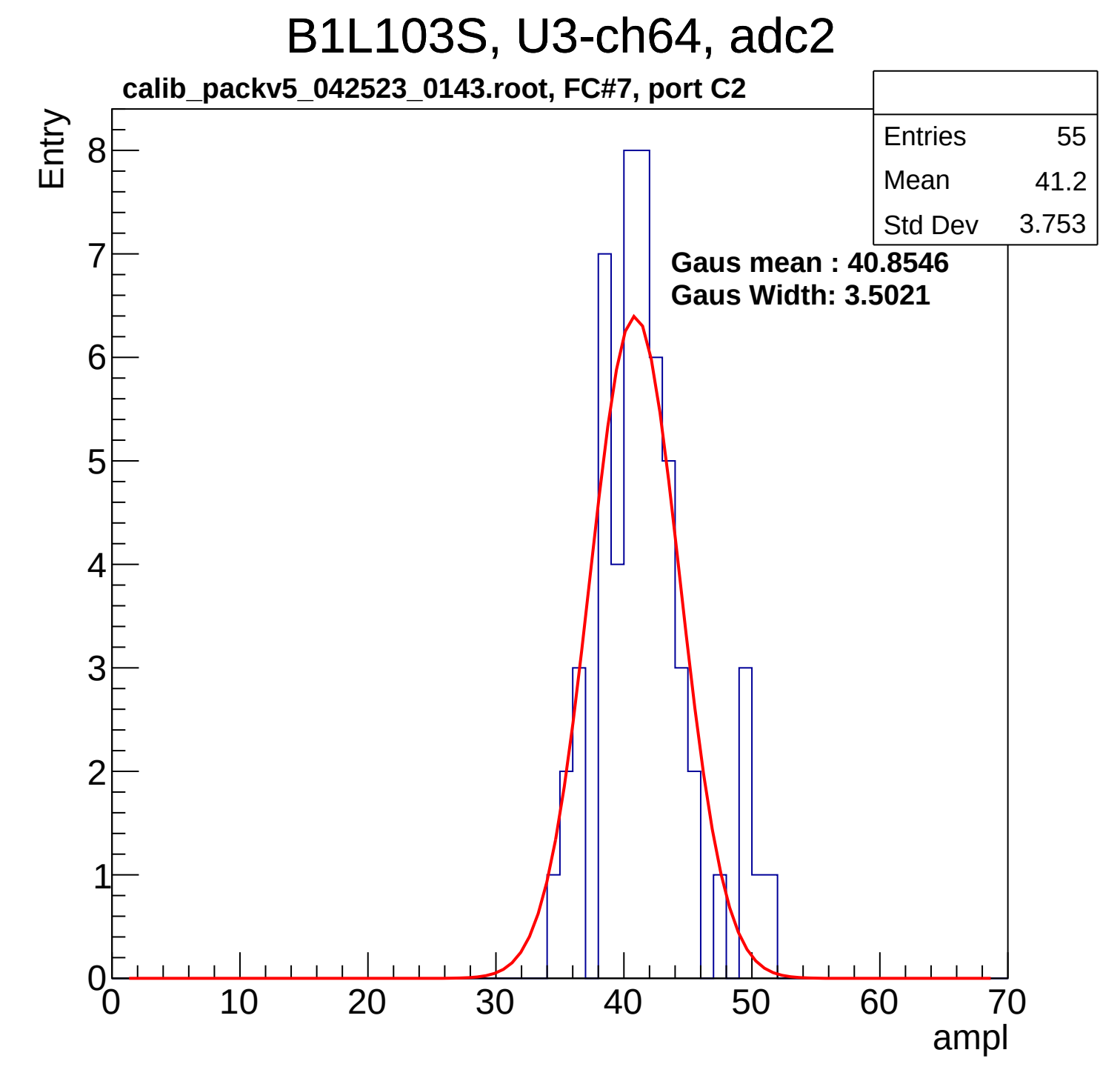
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch63, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 17
Mean 58
Std Dev 14.56
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch63, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch64, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 28.25
Std Dev 3.535
Gaus mean : 28.8374
Gaus Width: 3.4711
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch64, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 34.94
Std Dev 3.064
Gaus mean : 35.2806
Gaus Width: 3.0910
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch64, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 41.2
Std Dev 3.753
Gaus mean : 40.8546
Gaus Width: 3.5021
Entry
ampl
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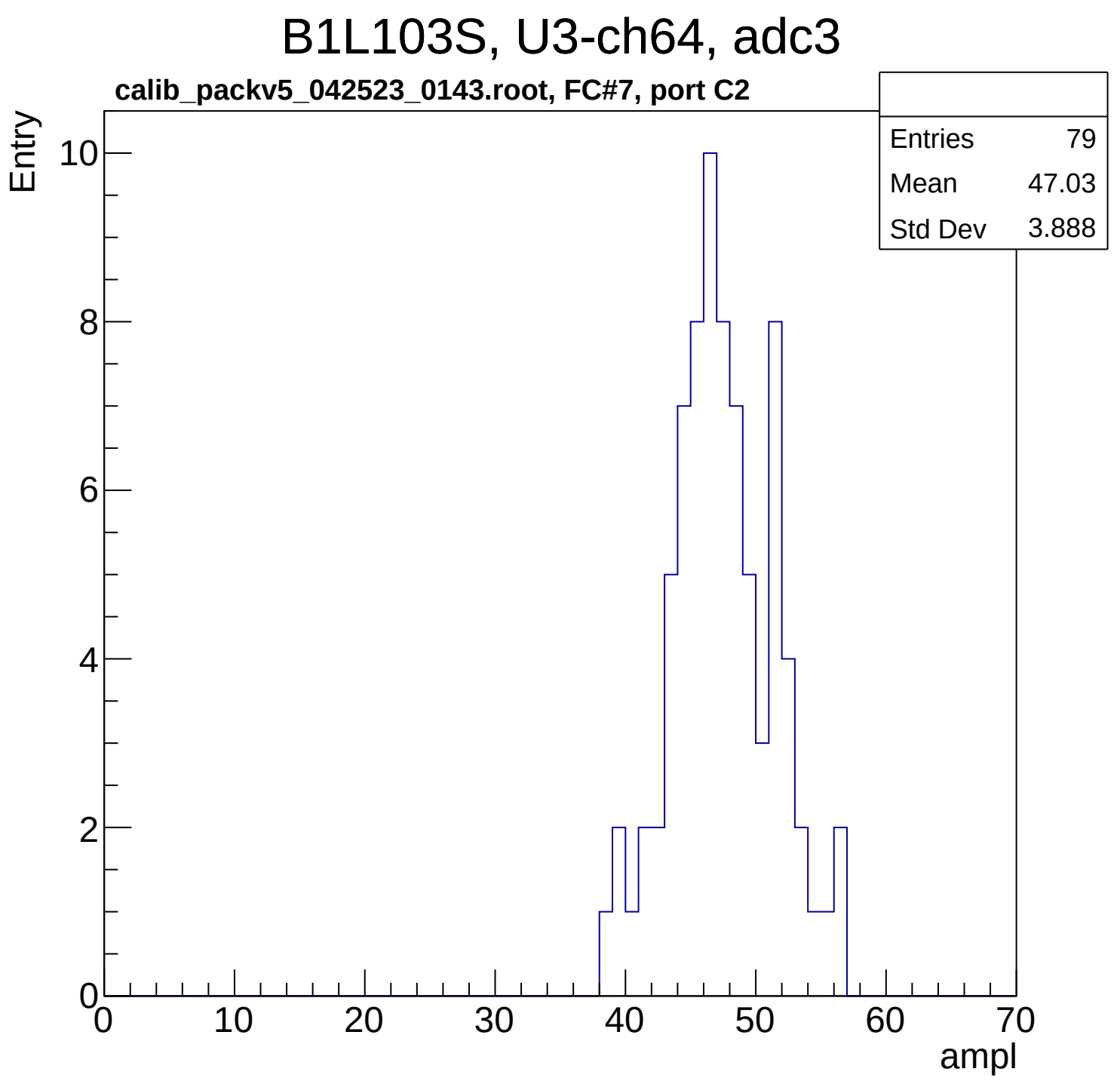
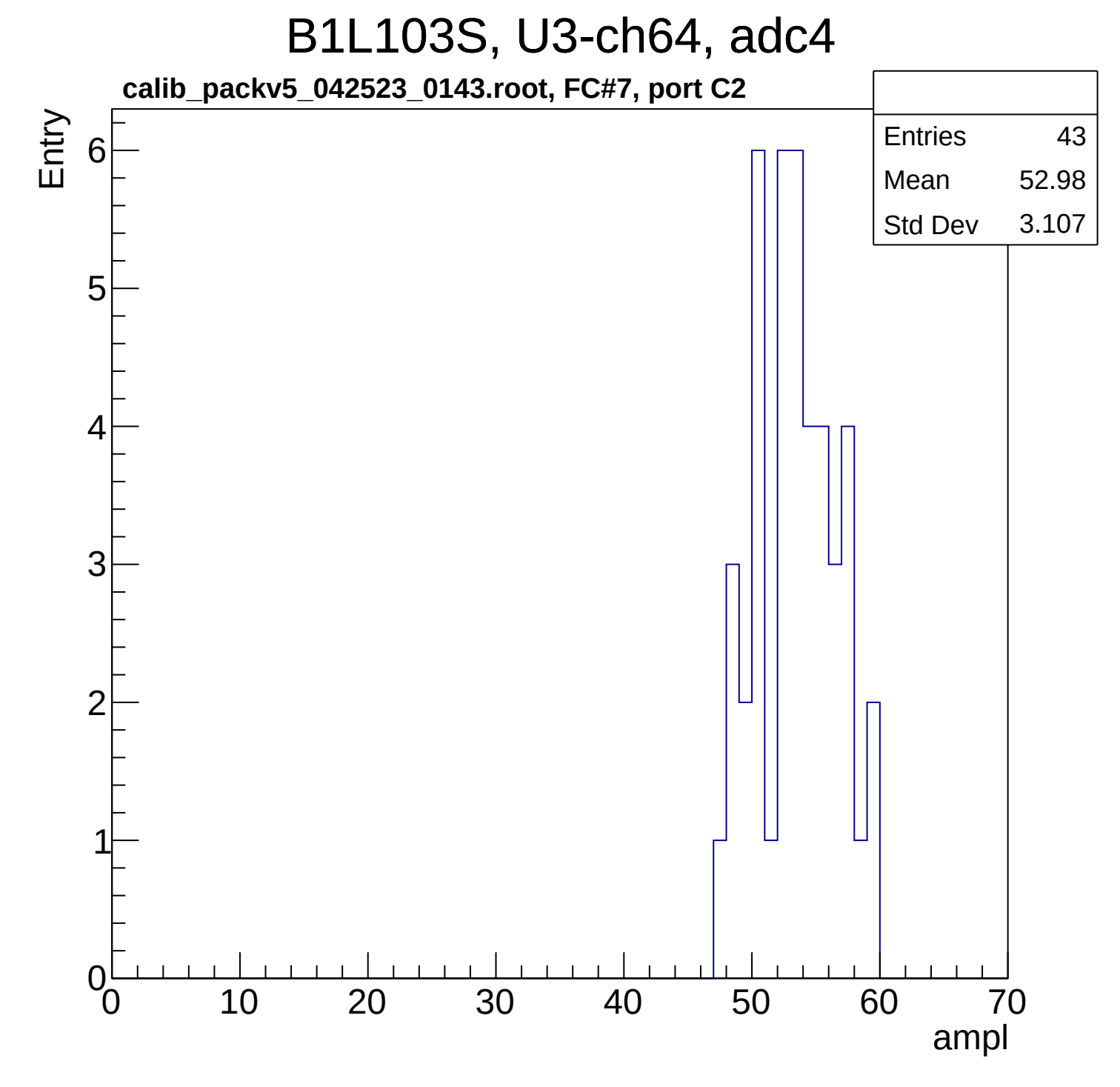
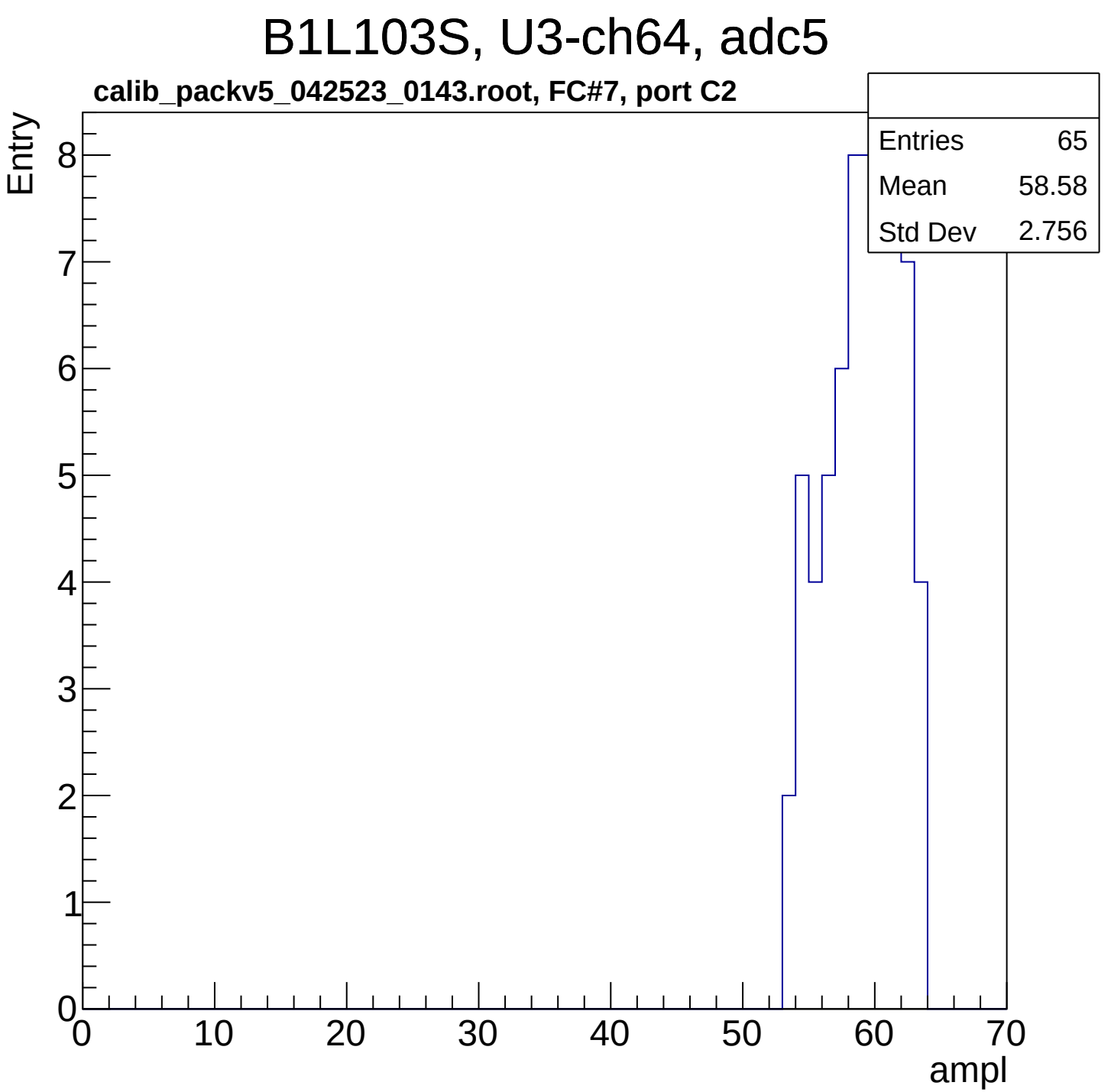
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch64, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 47.03
Std Dev 3.888
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch64, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 52.98
Std Dev 3.107
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch64, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 58.58
Std Dev 2.756
Entry
ampl
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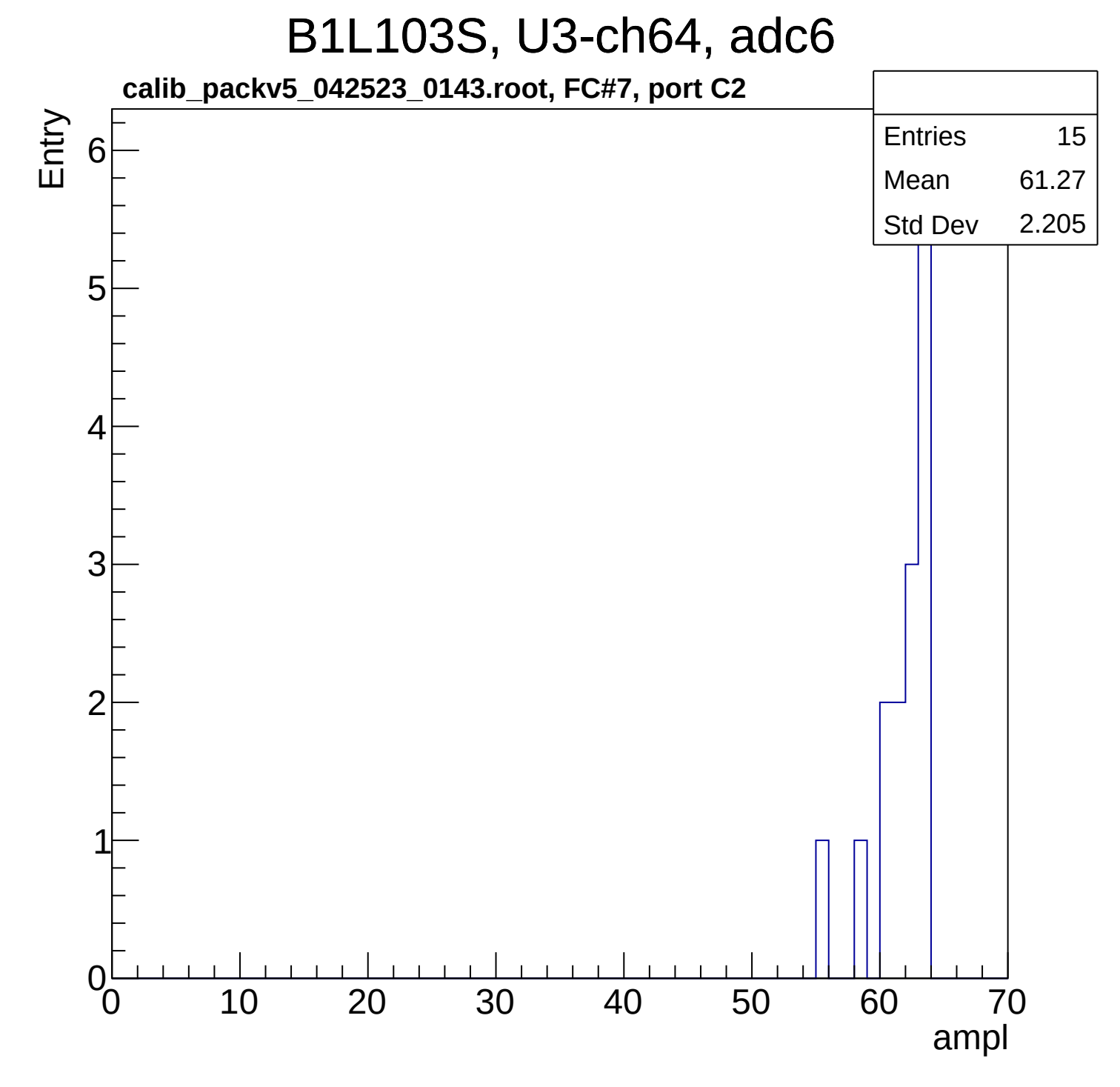
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch64, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 61.27
Std Dev 2.205
Entry
ampl
0
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2
3
4
5
6
0
10
20
30
40
50
60
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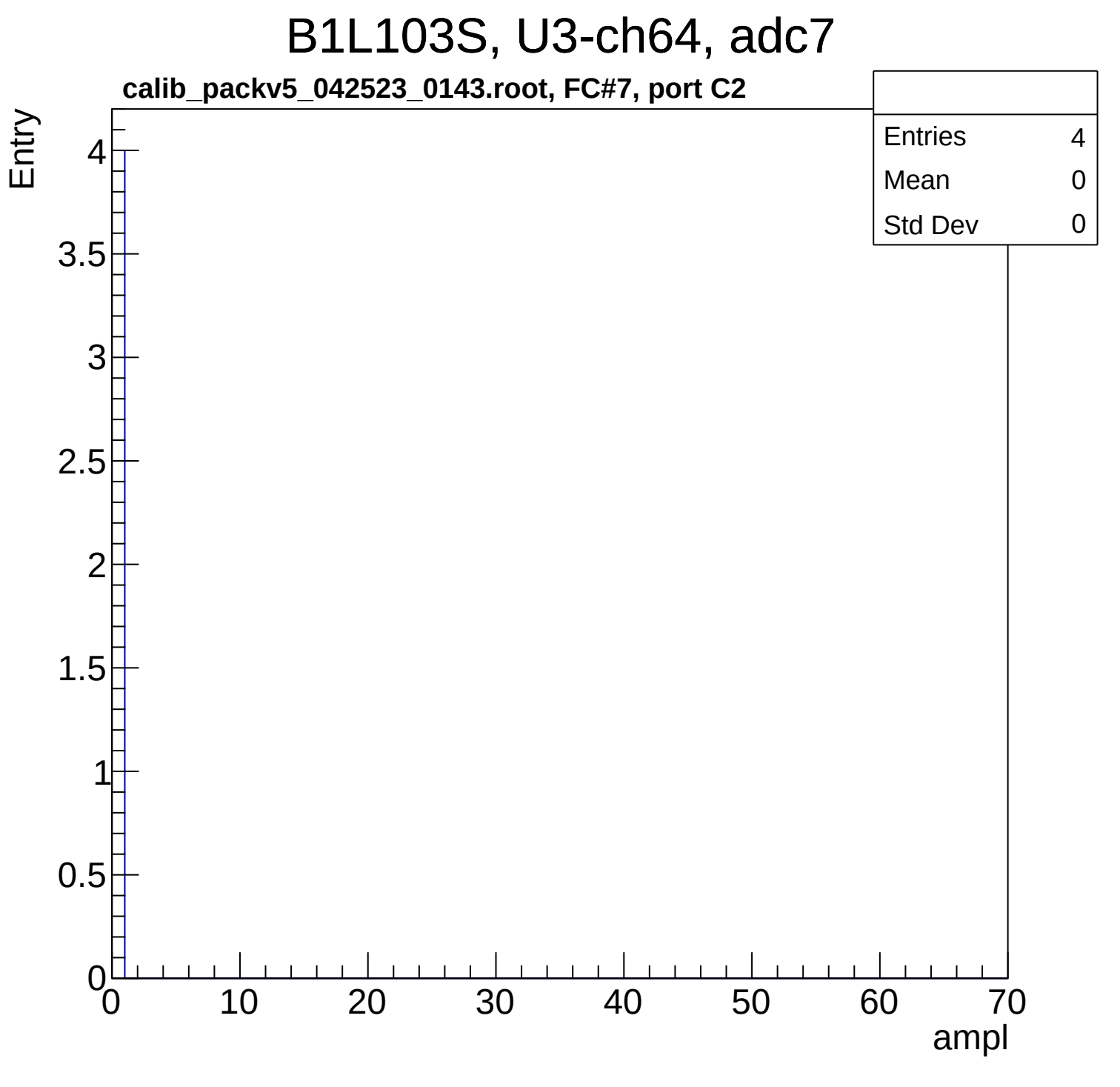
B1L103S, U3-ch64, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
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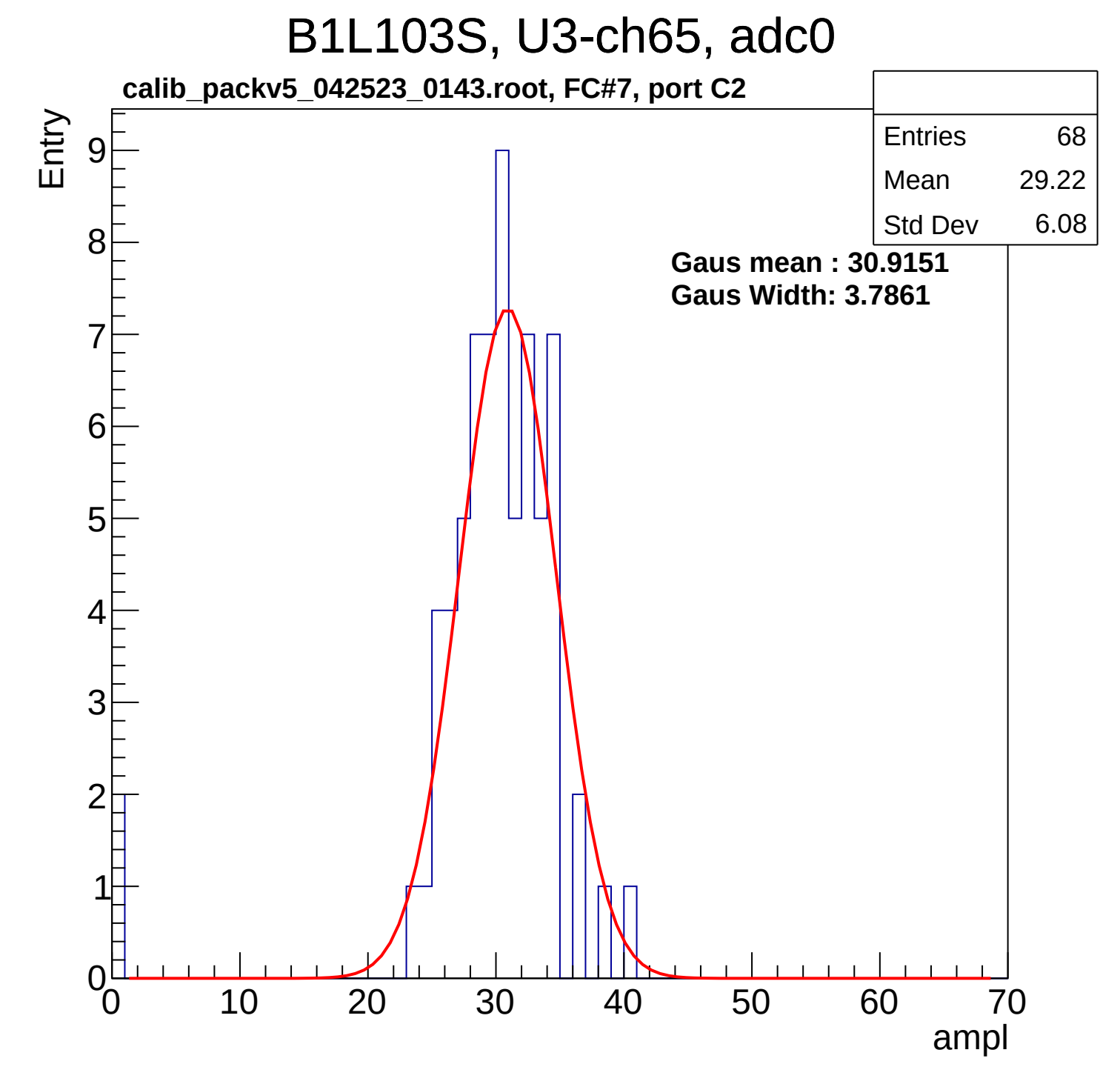
50
60
70
ampl


B1L103S, U3-ch65, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 29.22
Std Dev 6.08
Gaus mean : 30.9151
Gaus Width: 3.7861
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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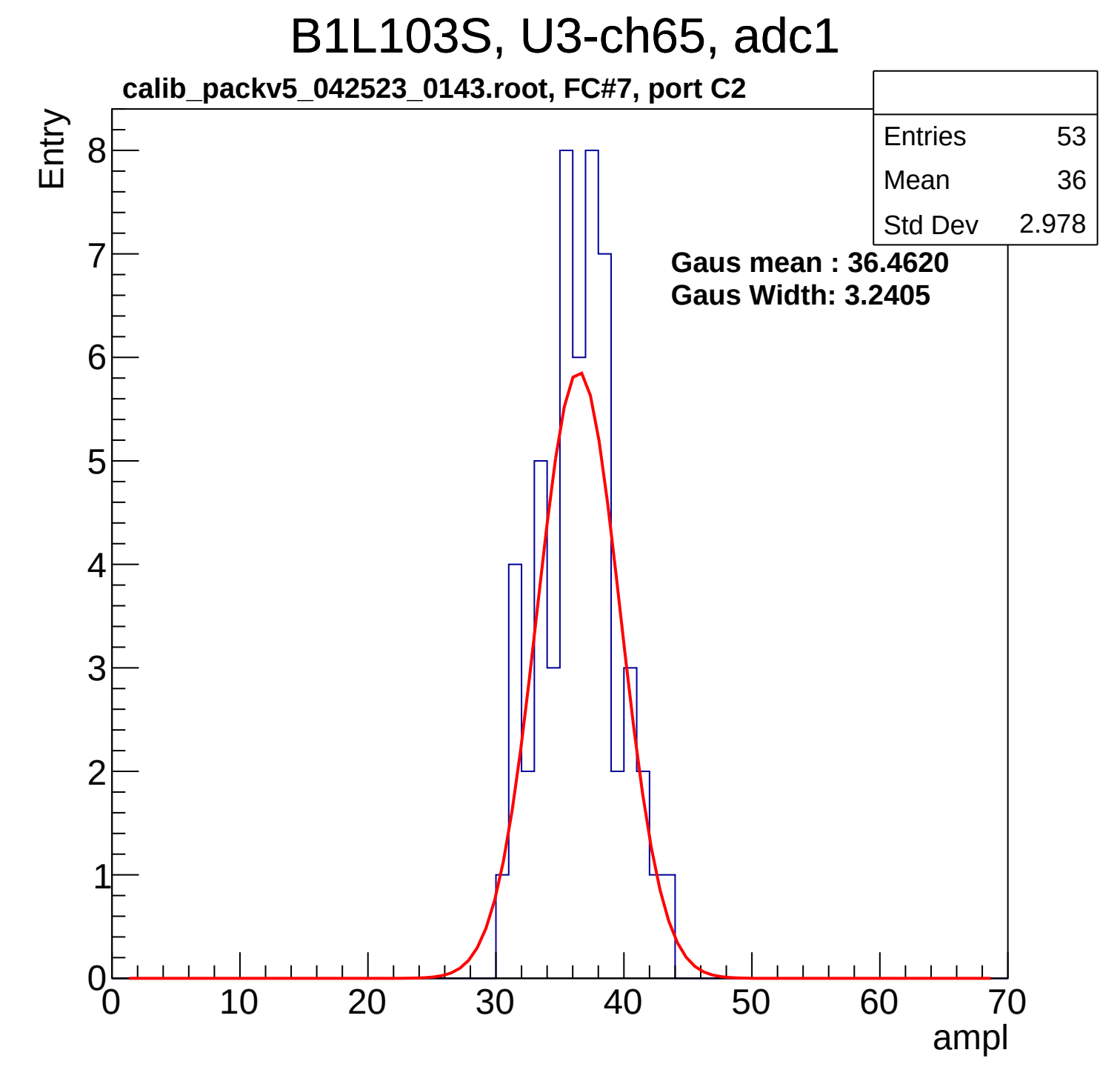
B1L103S, U3-ch65, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 36
Std Dev 2.978
Gaus mean : 36.4620
Gaus Width: 3.2405
Entry
ampl
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1
2
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4
5
6
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0
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20
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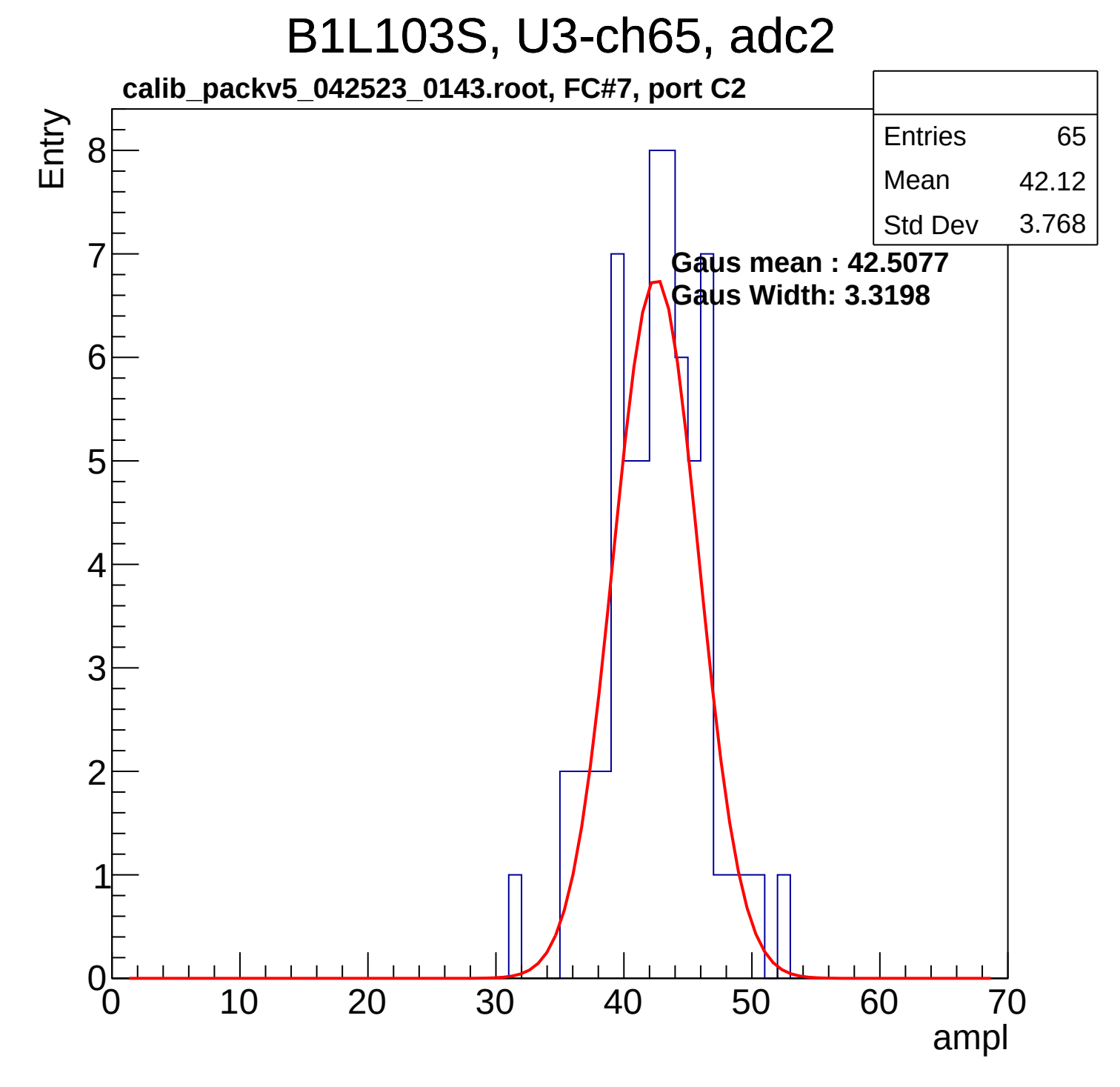
B1L103S, U3-ch65, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 42.12
Std Dev 3.768
Gaus mean : 42.5077
Gaus Width: 3.3198
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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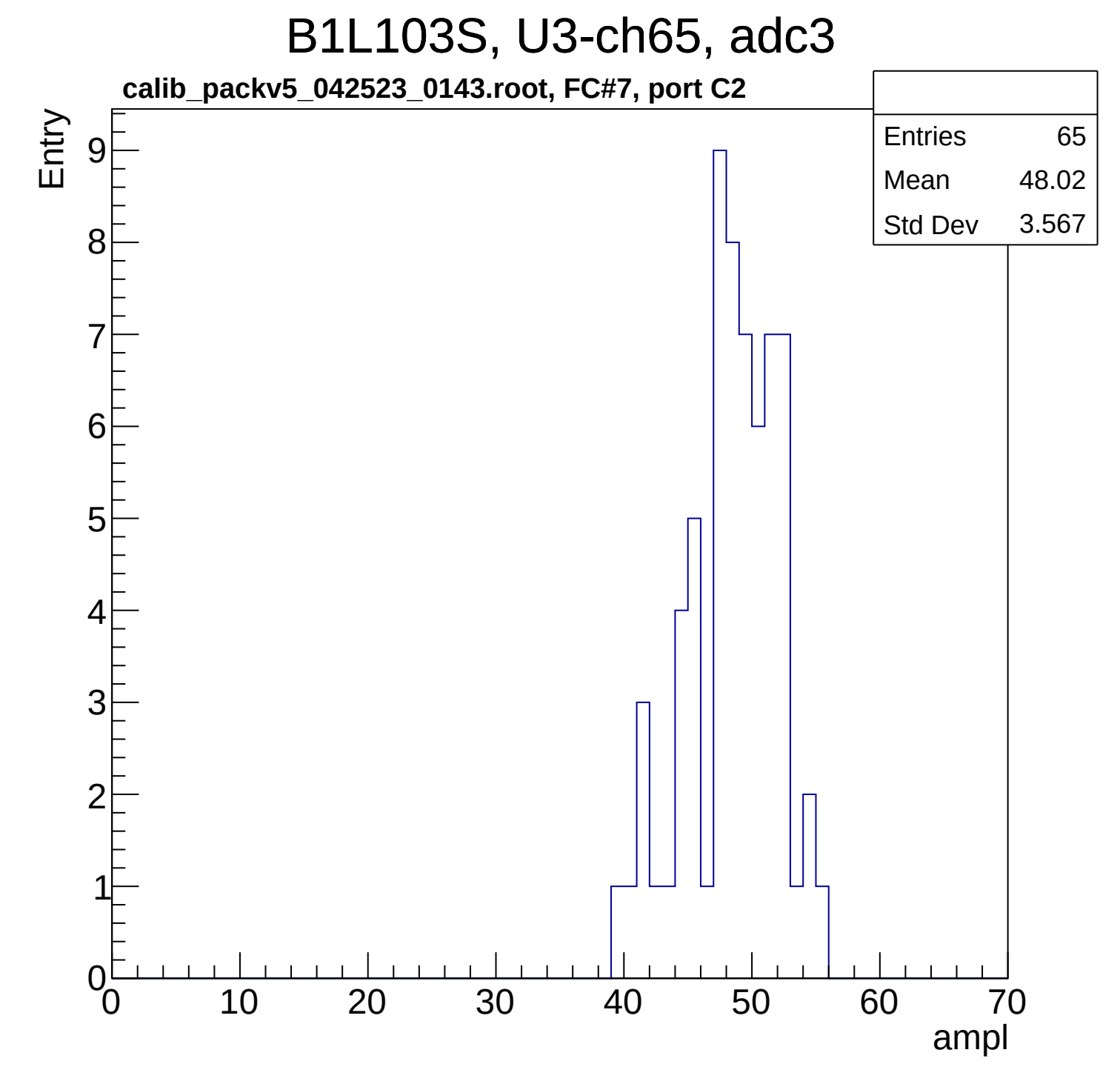
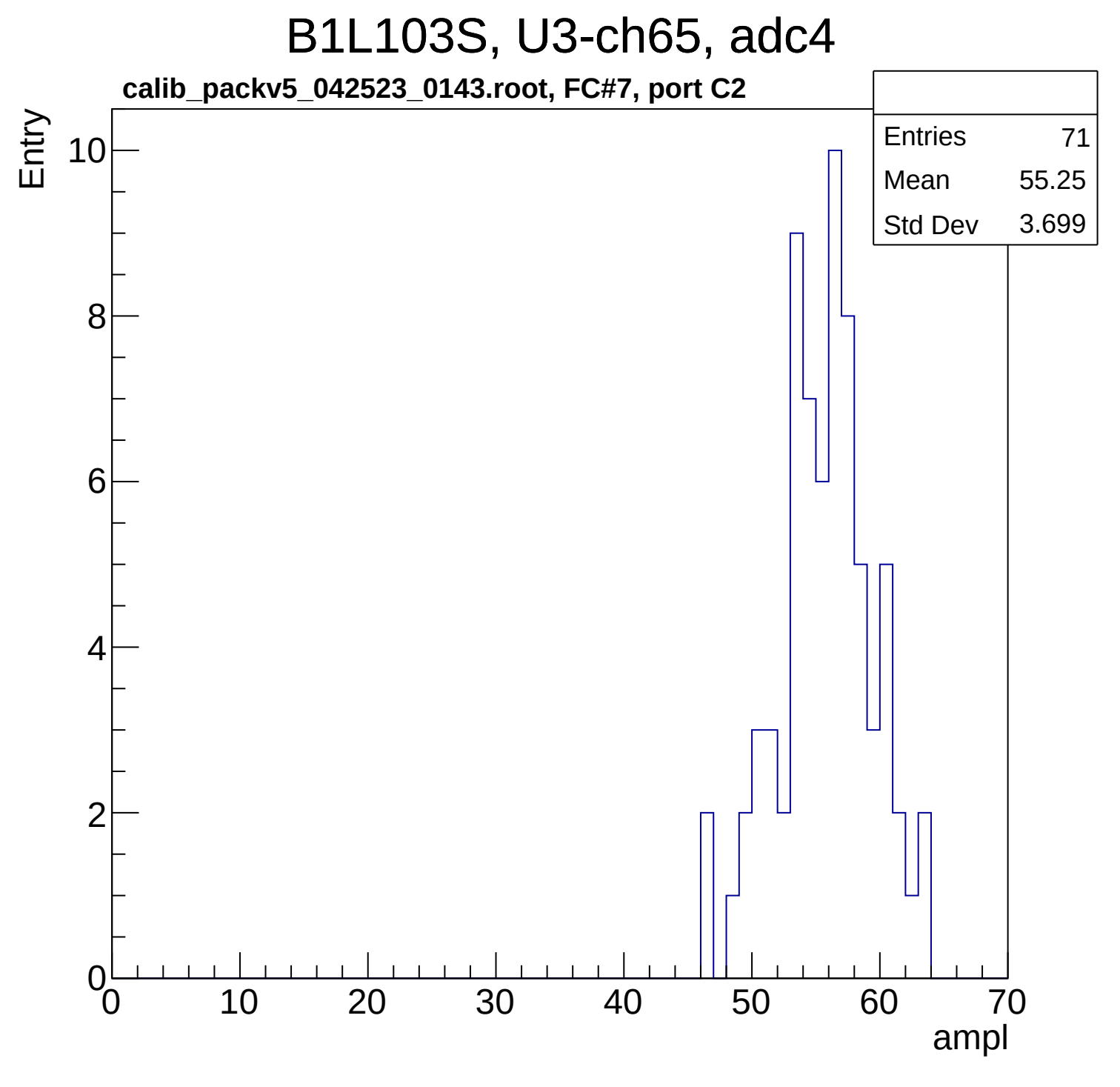

B1L103S, U3-ch65, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 48.02
Std Dev 3.567
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch65, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 55.25
Std Dev 3.699
Entry
ampl
0
2
4
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0
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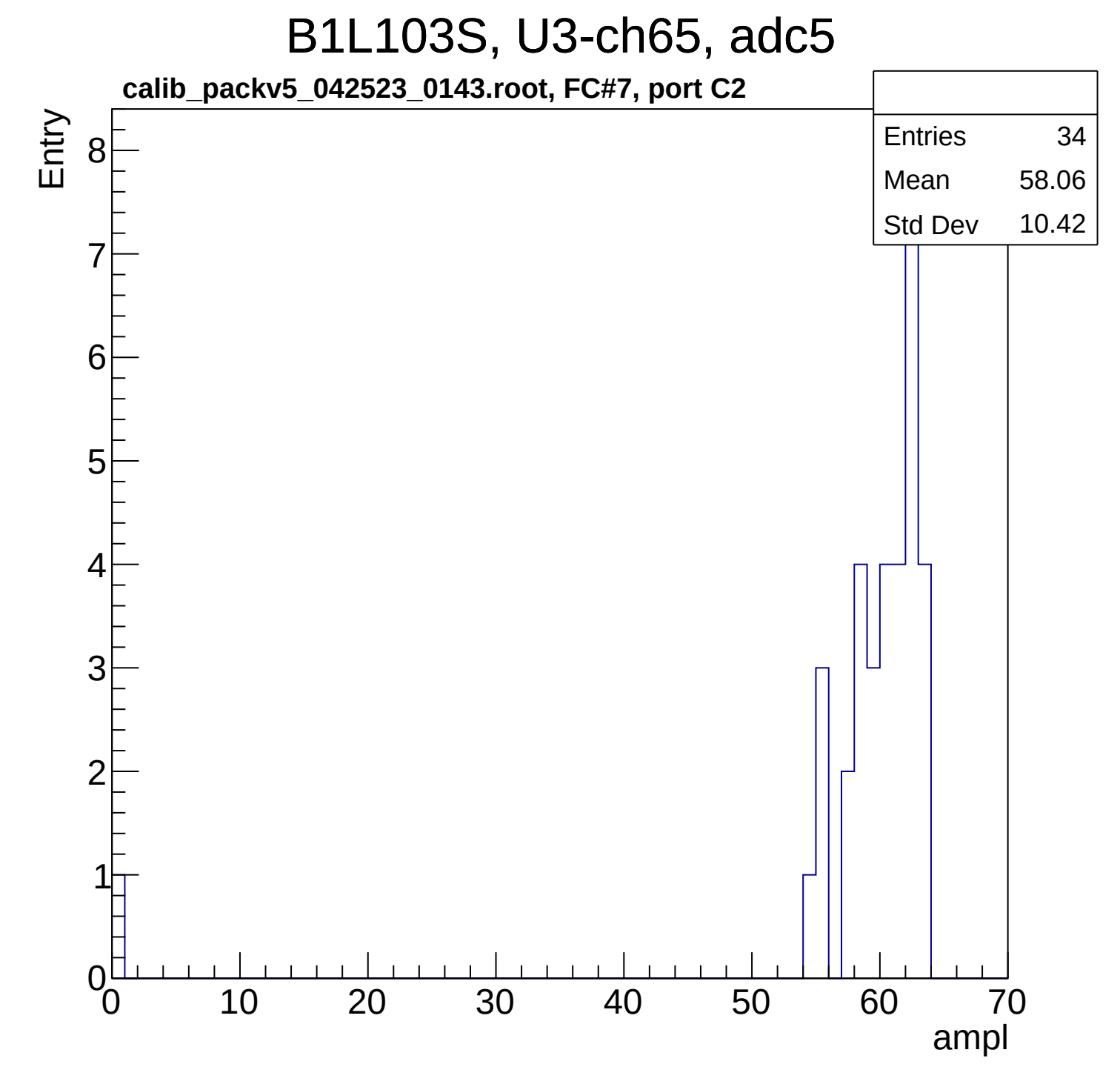
B1L103S, U3-ch65, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 34
Mean 58.06
Std Dev 10.42
Entry
ampl
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1
2
3
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7
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40
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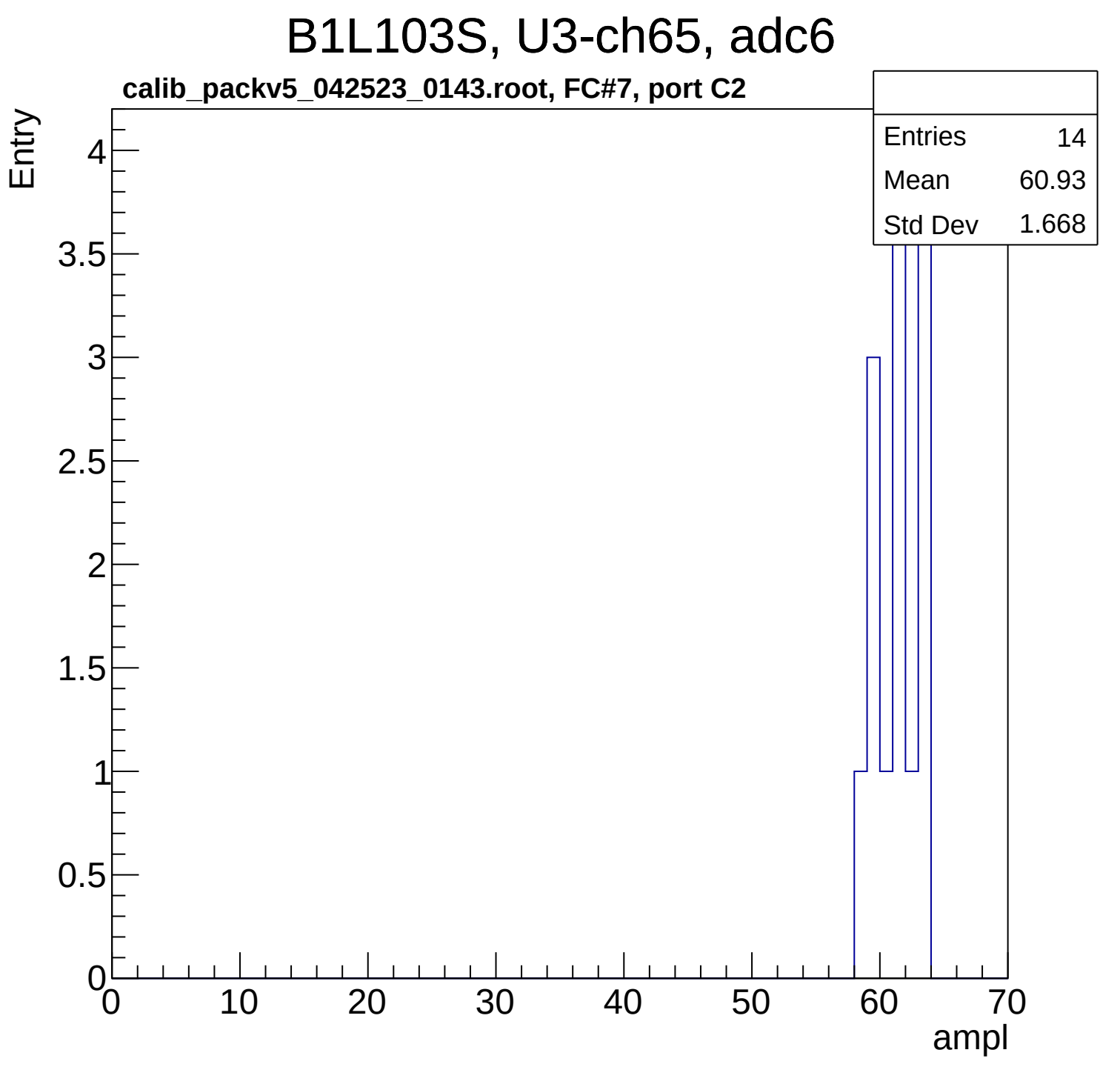
B1L103S, U3-ch65, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 60.93
Std Dev 1.668
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
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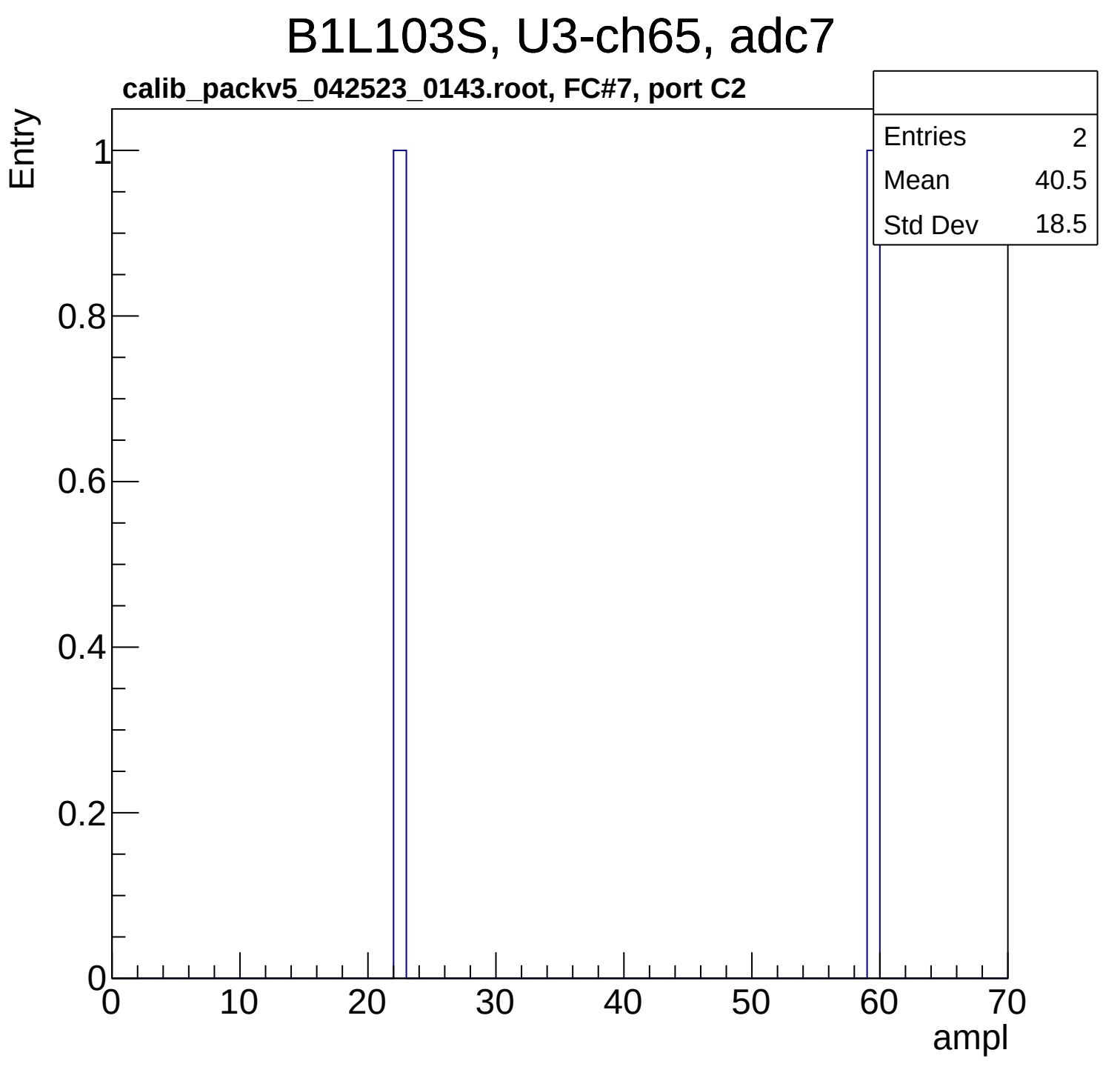
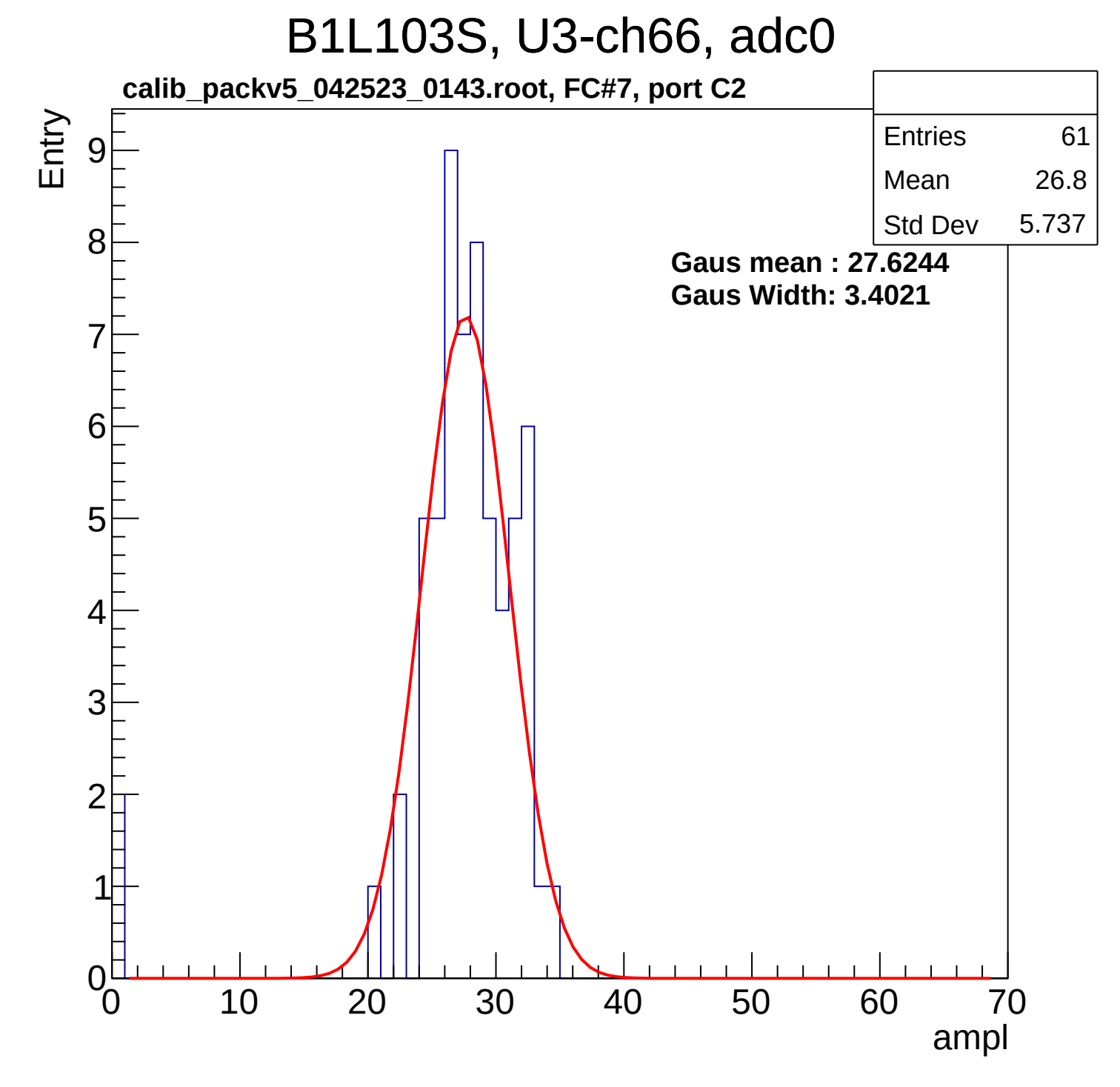

B1L103S, U3-ch65, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 40.5
Std Dev 18.5
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch66, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 26.8
Std Dev 5.737
Gaus mean : 27.6244
Gaus Width: 3.4021
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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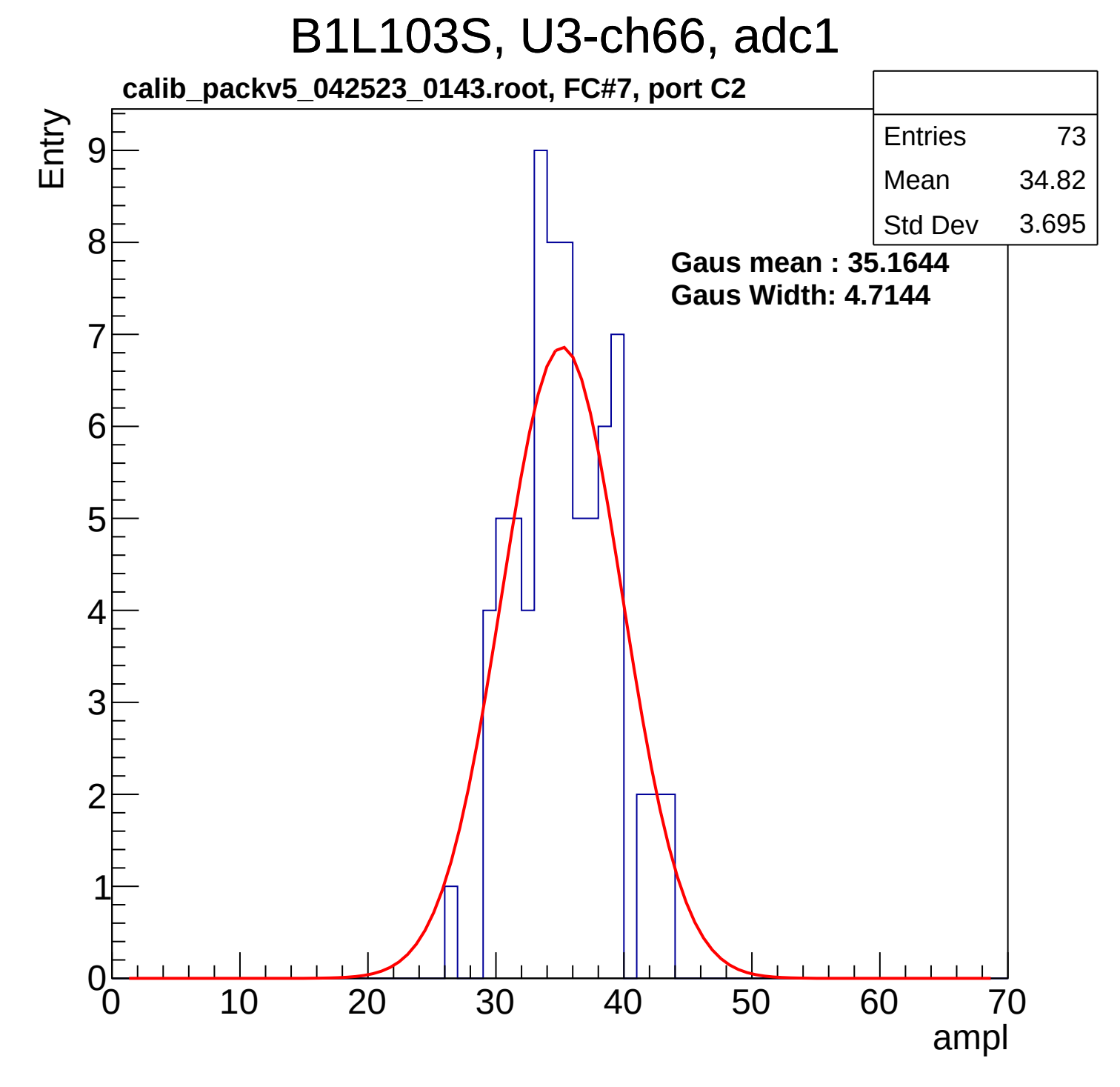
B1L103S, U3-ch66, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 34.82
Std Dev 3.695
Gaus mean : 35.1644
Gaus Width: 4.7144
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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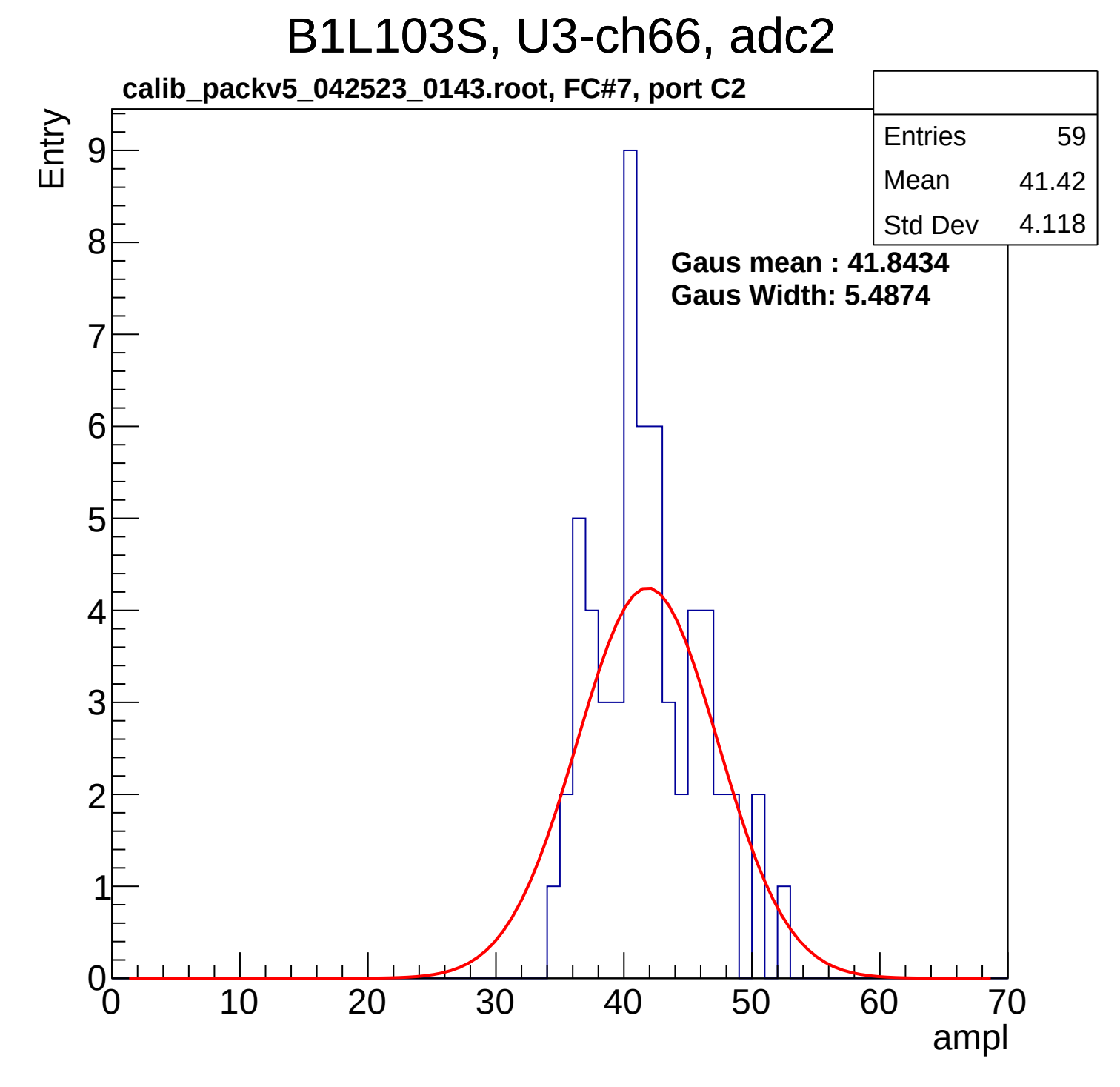
B1L103S, U3-ch66, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 41.42
Std Dev 4.118
Gaus mean : 41.8434
Gaus Width: 5.4874
Entry
ampl
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2
3
4
5
6
7
8
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0
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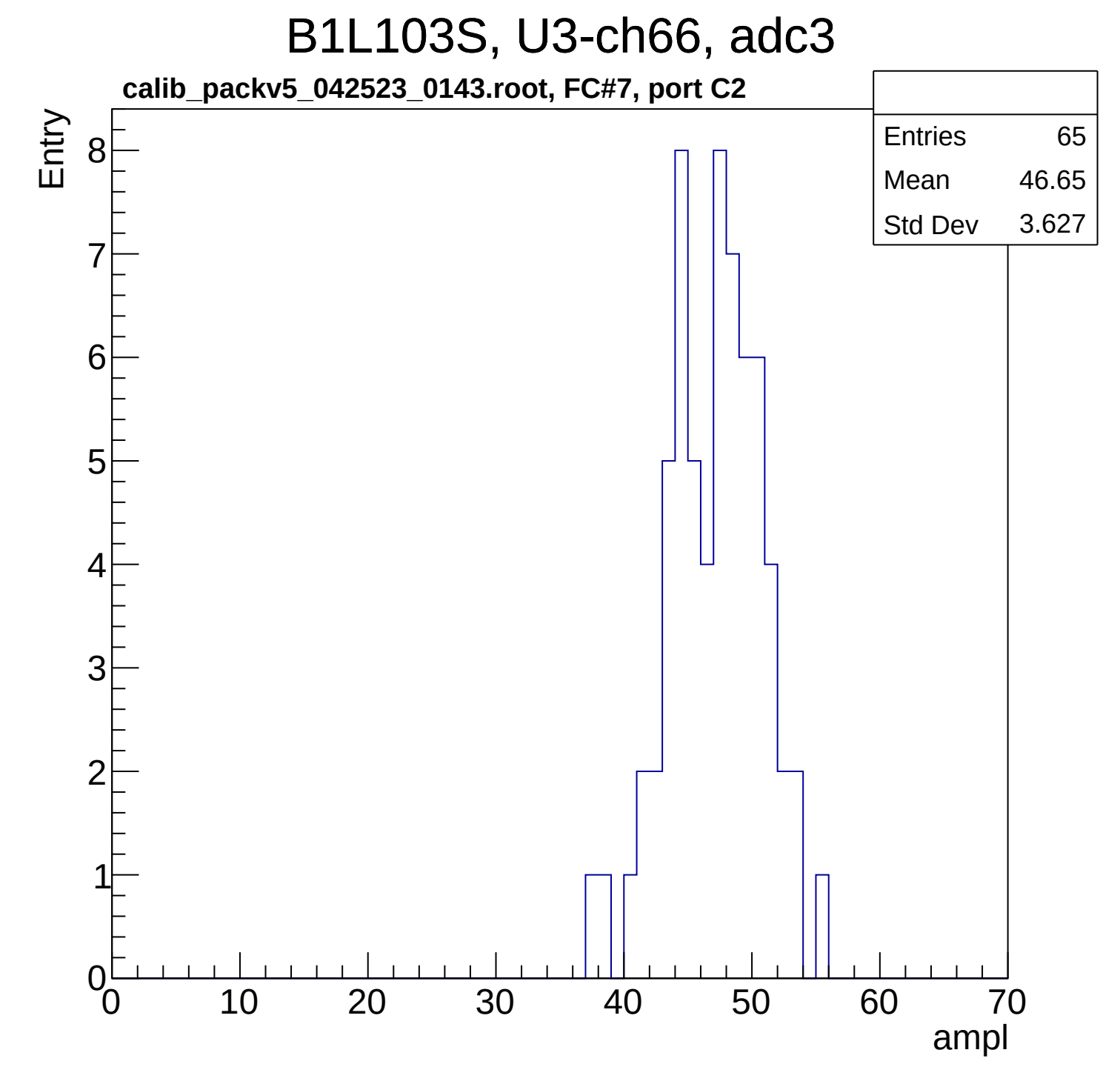
B1L103S, U3-ch66, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 46.65
Std Dev 3.627
Entry
ampl
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4
5
6
7
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0
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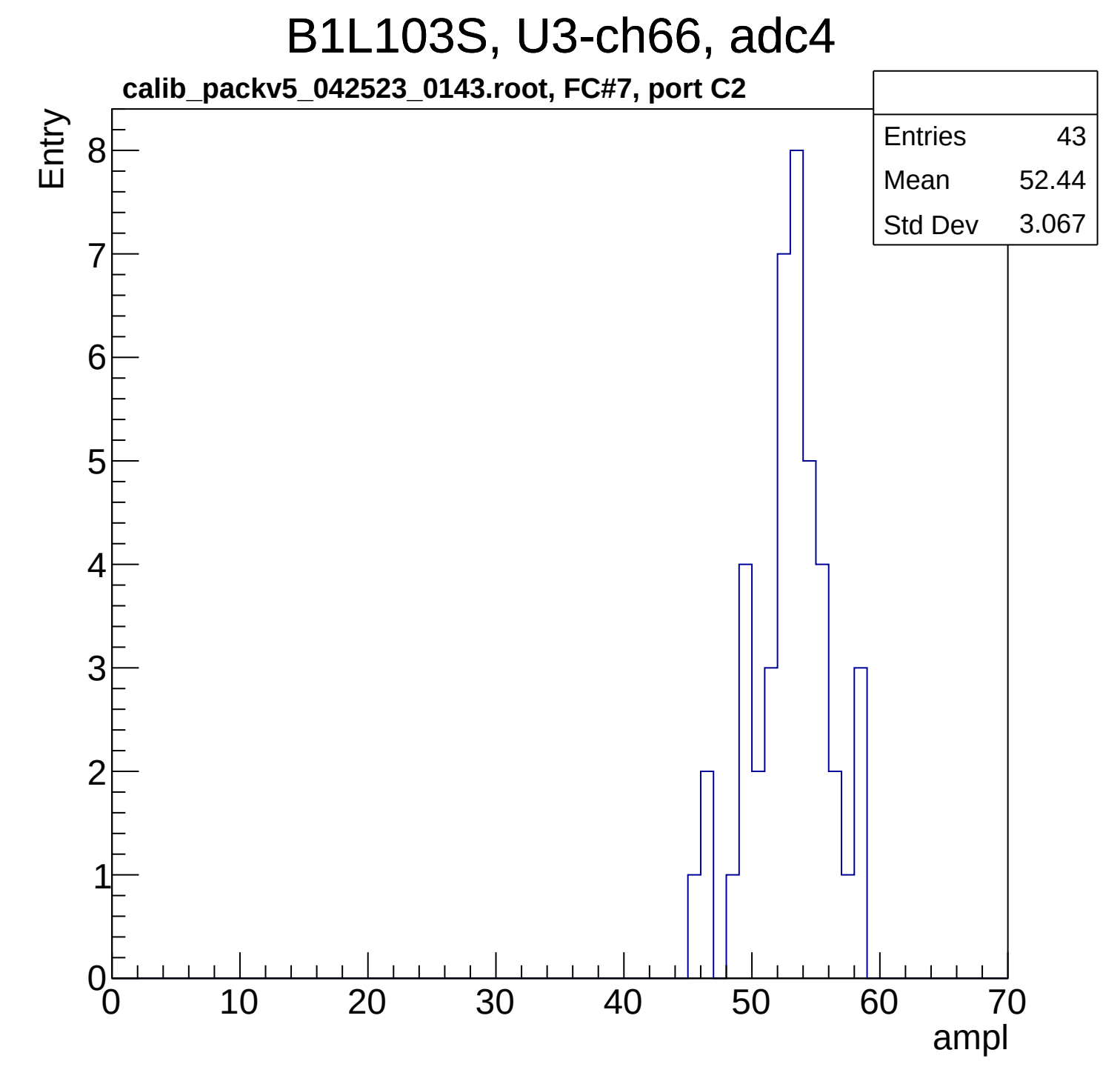
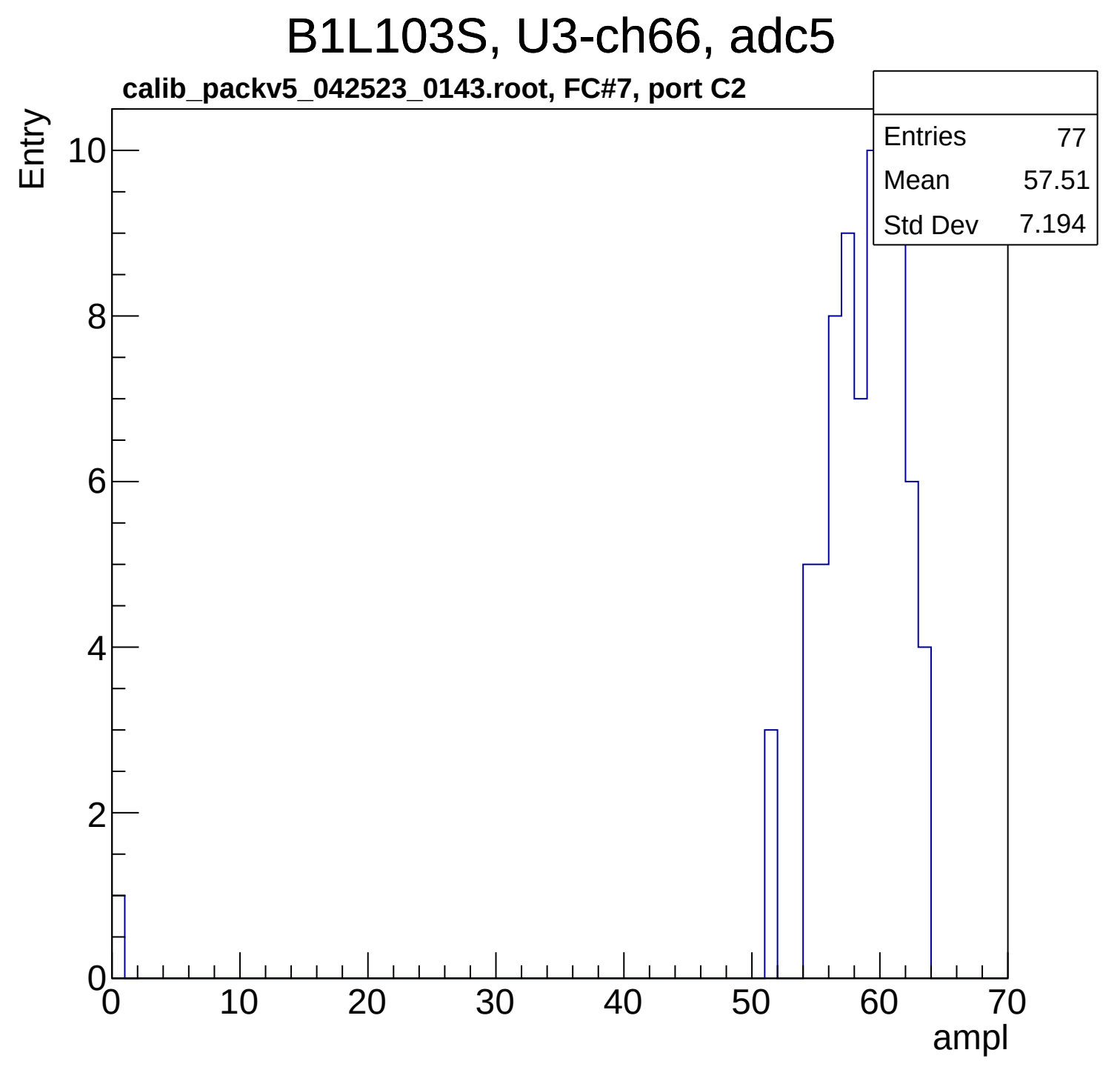

B1L103S, U3-ch66, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 52.44
Std Dev 3.067
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch66, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 57.51
Std Dev 7.194
Entry
ampl
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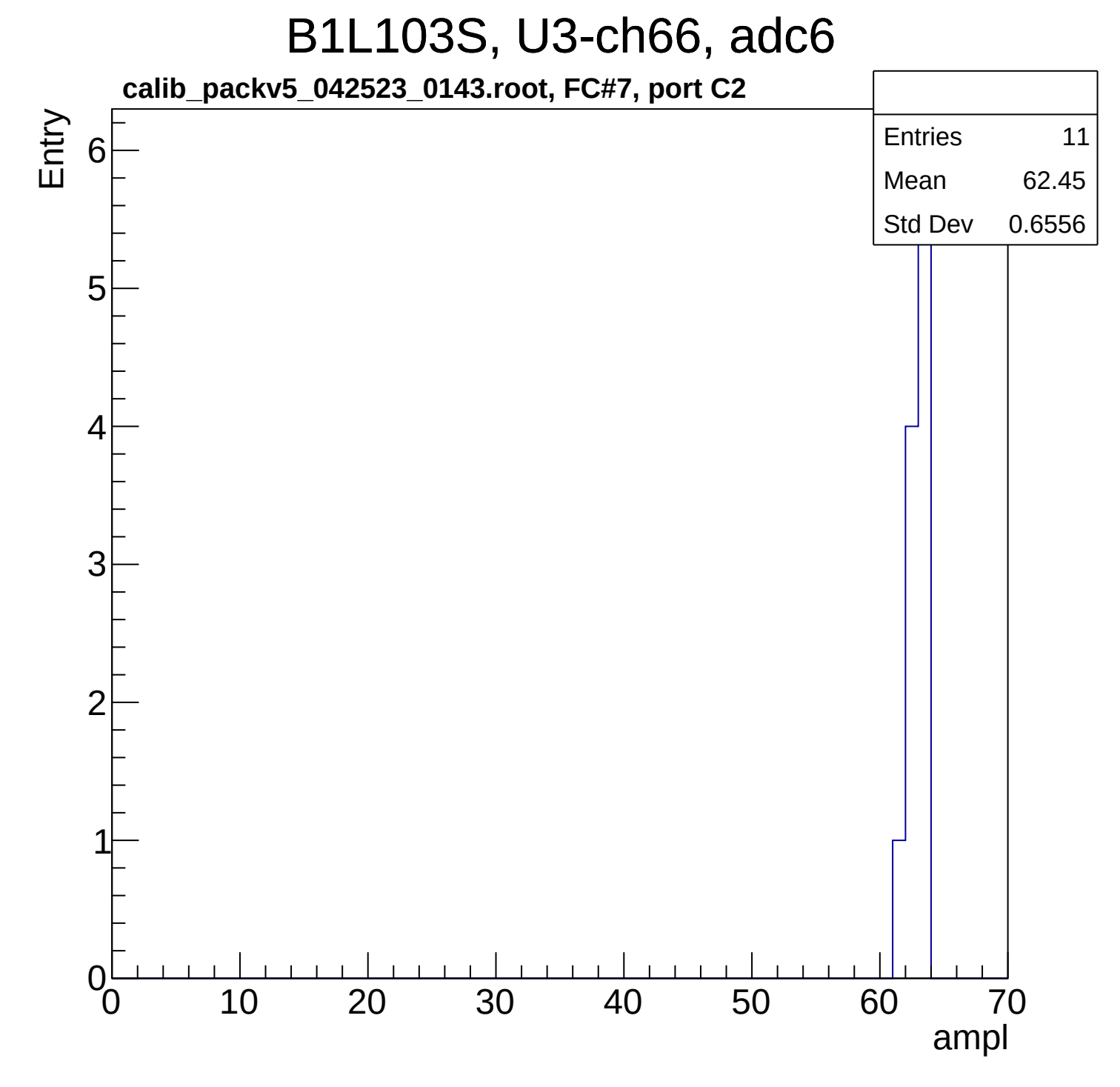
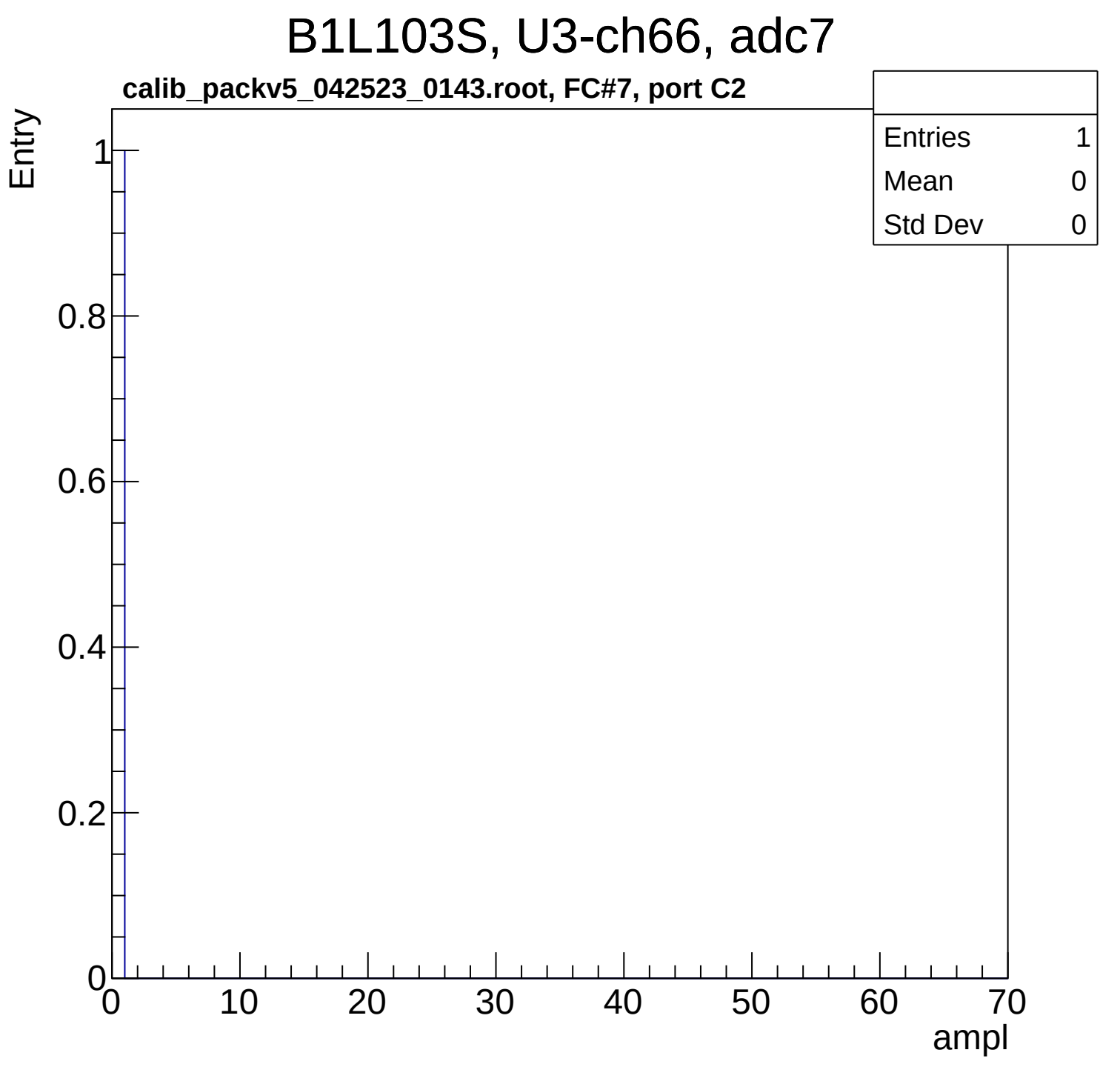
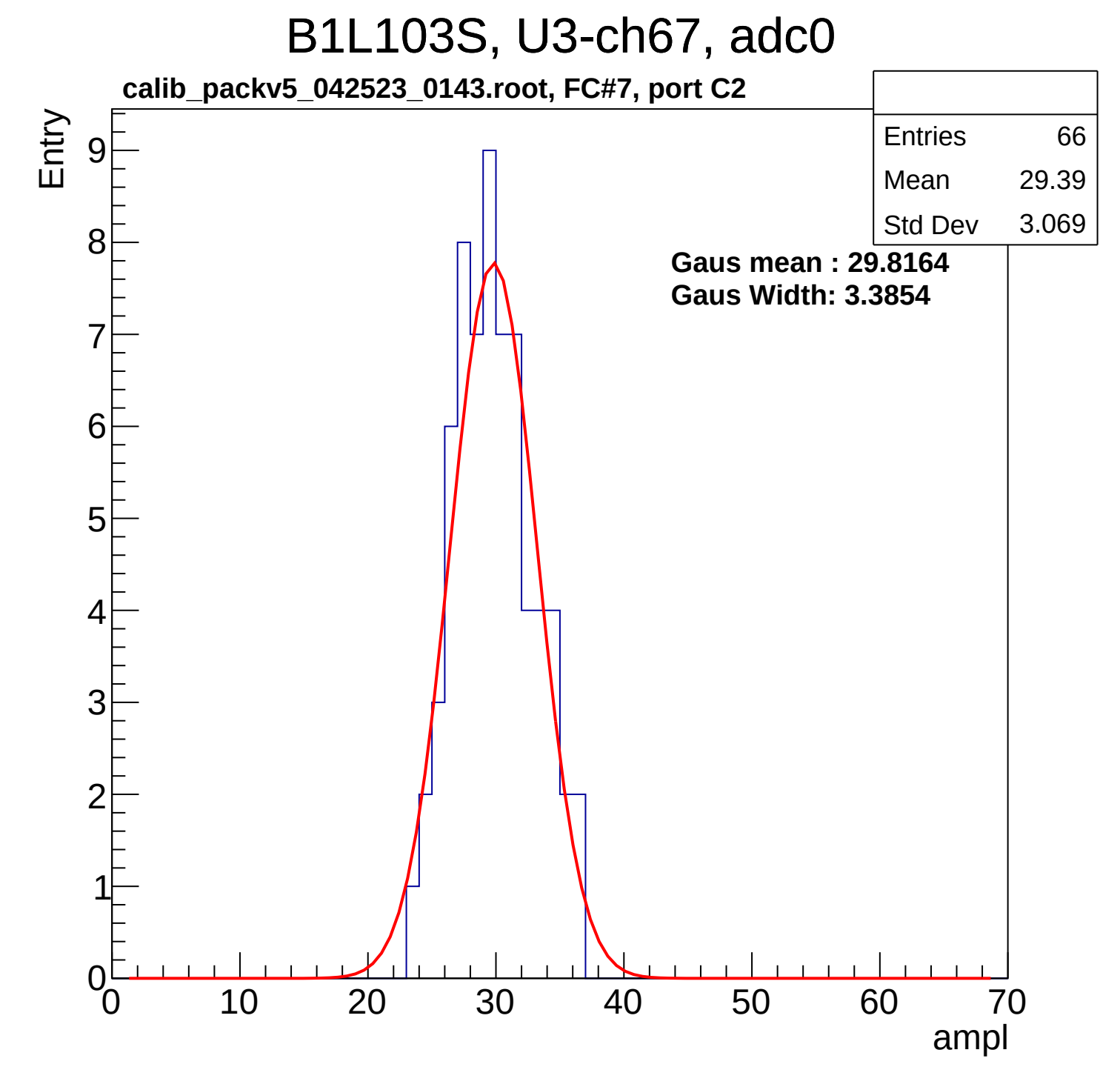
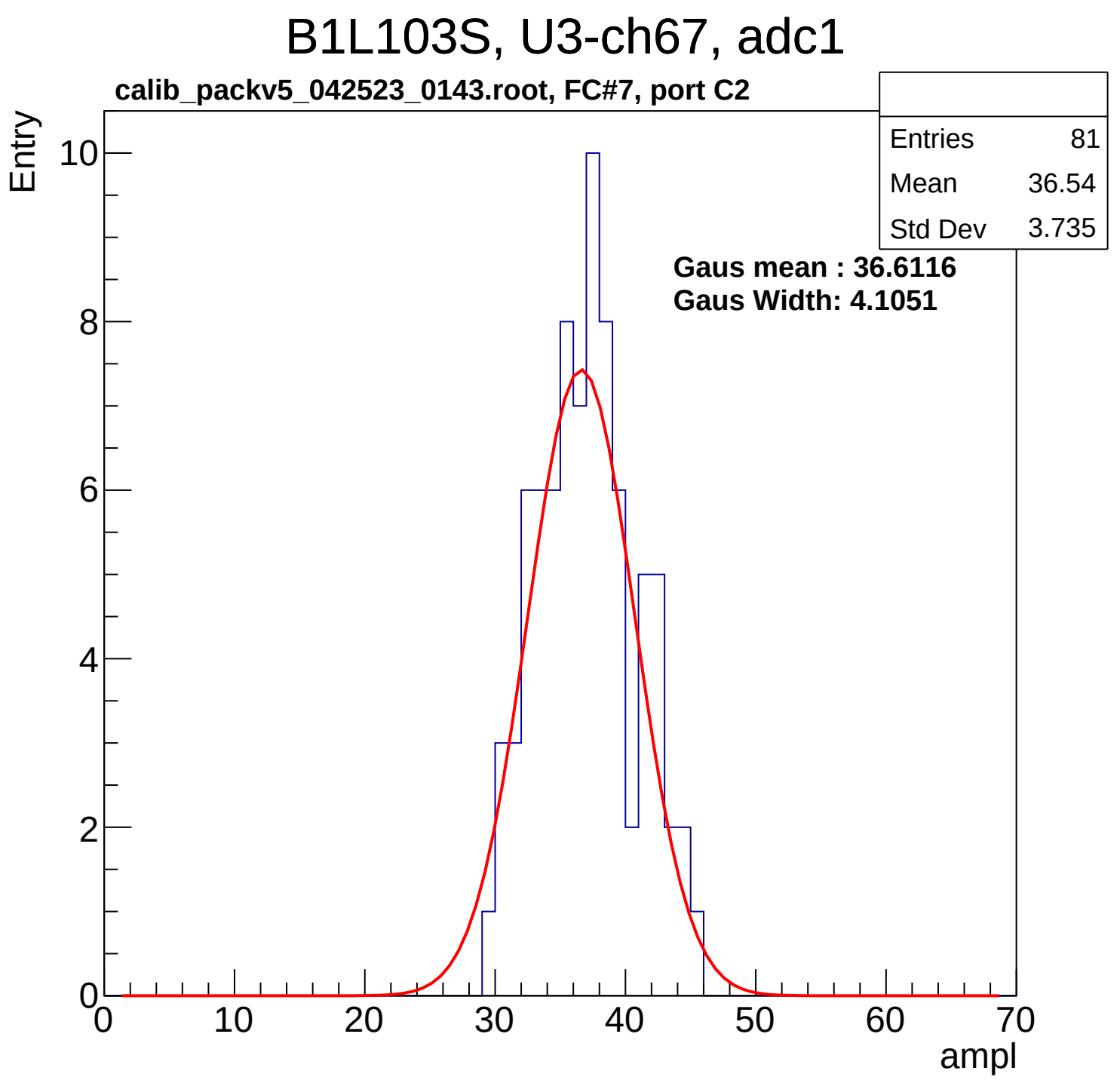
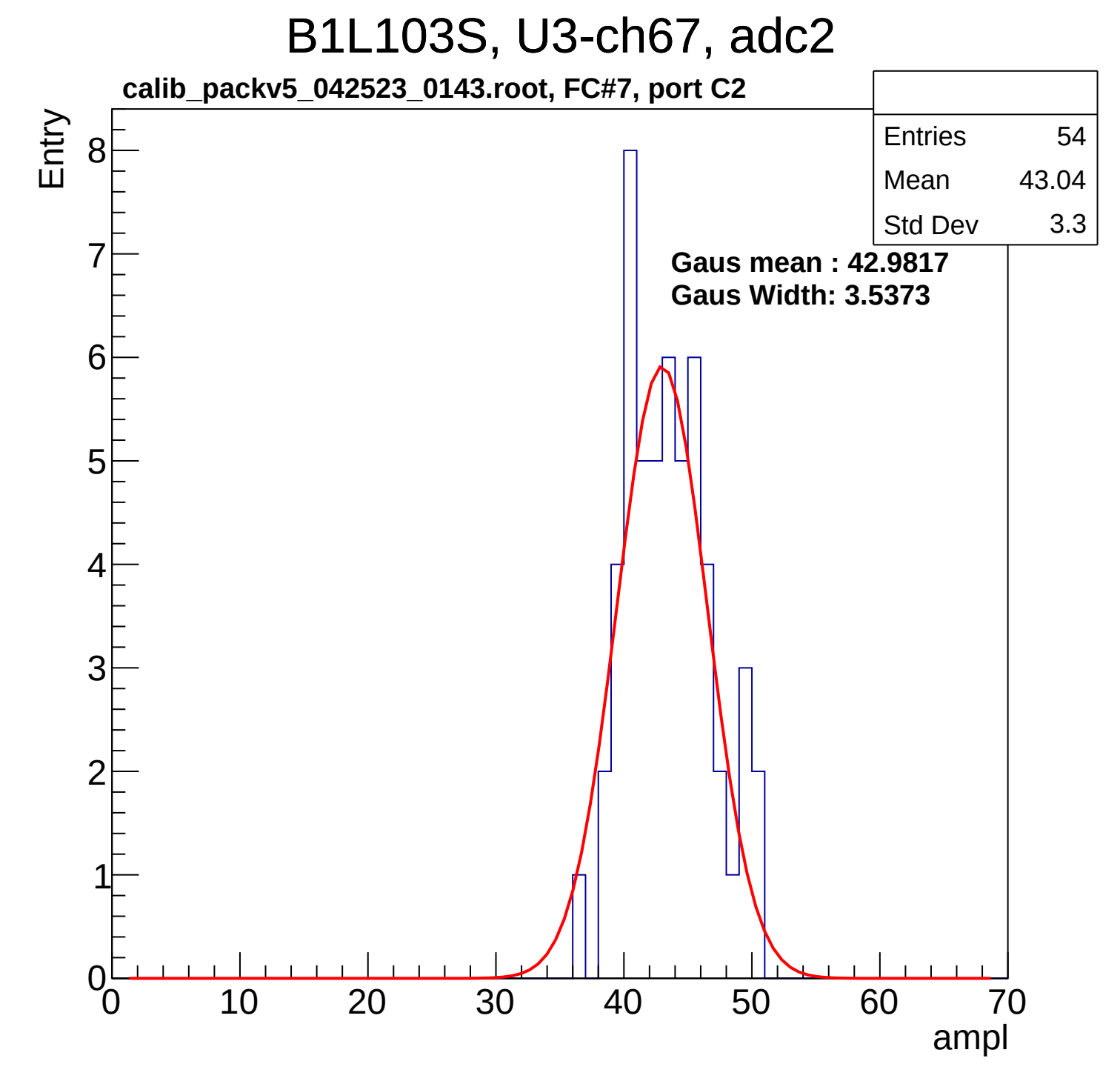
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch66, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 62.45
Std Dev 0.6556
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch66, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch67, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 29.39
Std Dev 3.069
Gaus mean : 29.8164
Gaus Width: 3.3854
Entry
ampl
0
10
20
30
40
50
60
70
1
2
3
4
5
6
7
8
9


B1L103S, U3-ch67, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 36.54
Std Dev 3.735
Gaus mean : 36.6116
Gaus Width: 4.1051
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch67, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 43.04
Std Dev 3.3
Gaus mean : 42.9817
Gaus Width: 3.5373
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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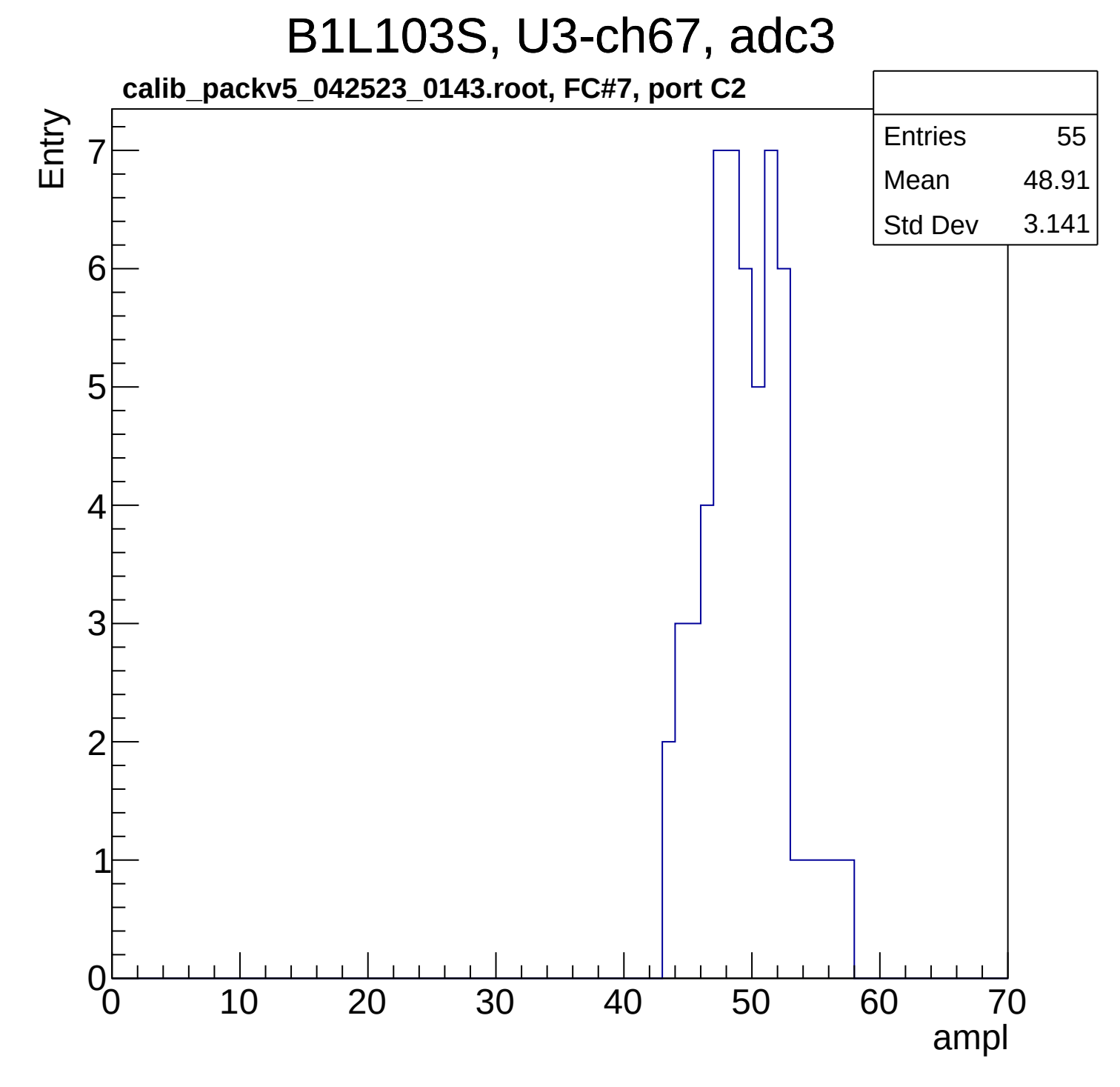
B1L103S, U3-ch67, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 48.91
Std Dev 3.141
Entry
ampl
0
1
2
3
4
5
6
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0
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20
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40
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60
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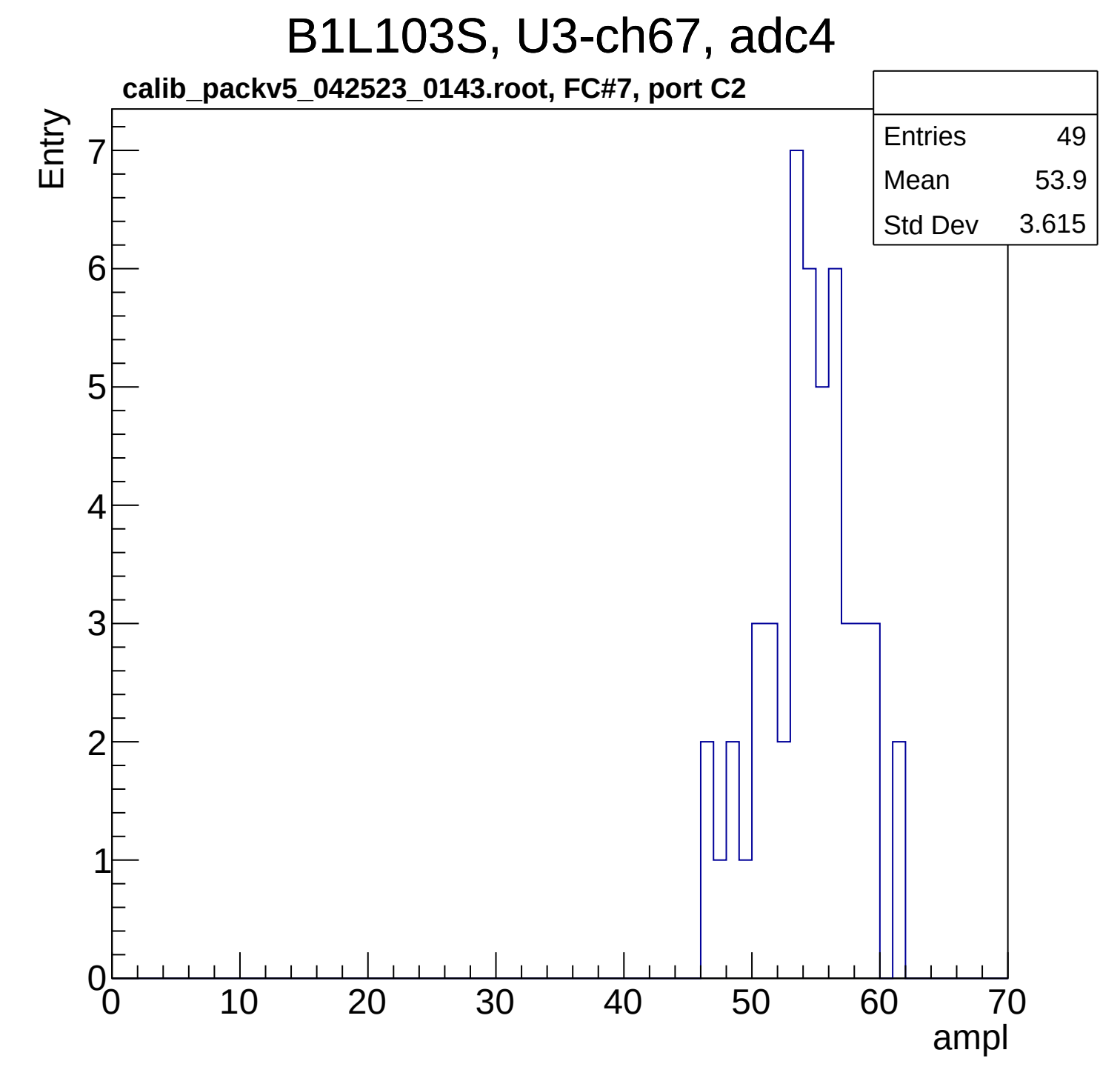
B1L103S, U3-ch67, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 53.9
Std Dev 3.615
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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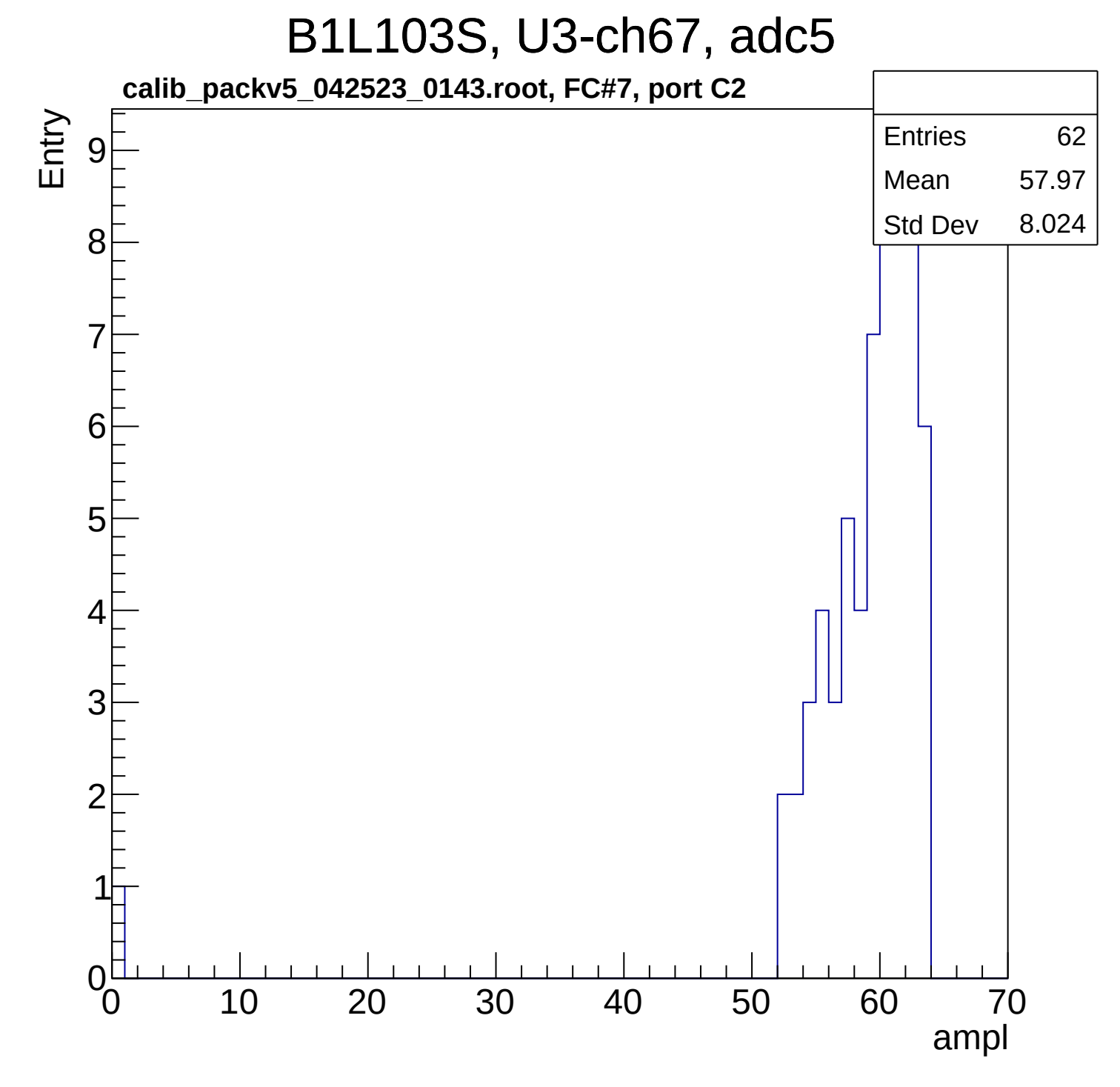
B1L103S, U3-ch67, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 57.97
Std Dev 8.024
Entry
ampl
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4
5
6
7
8
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0
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60
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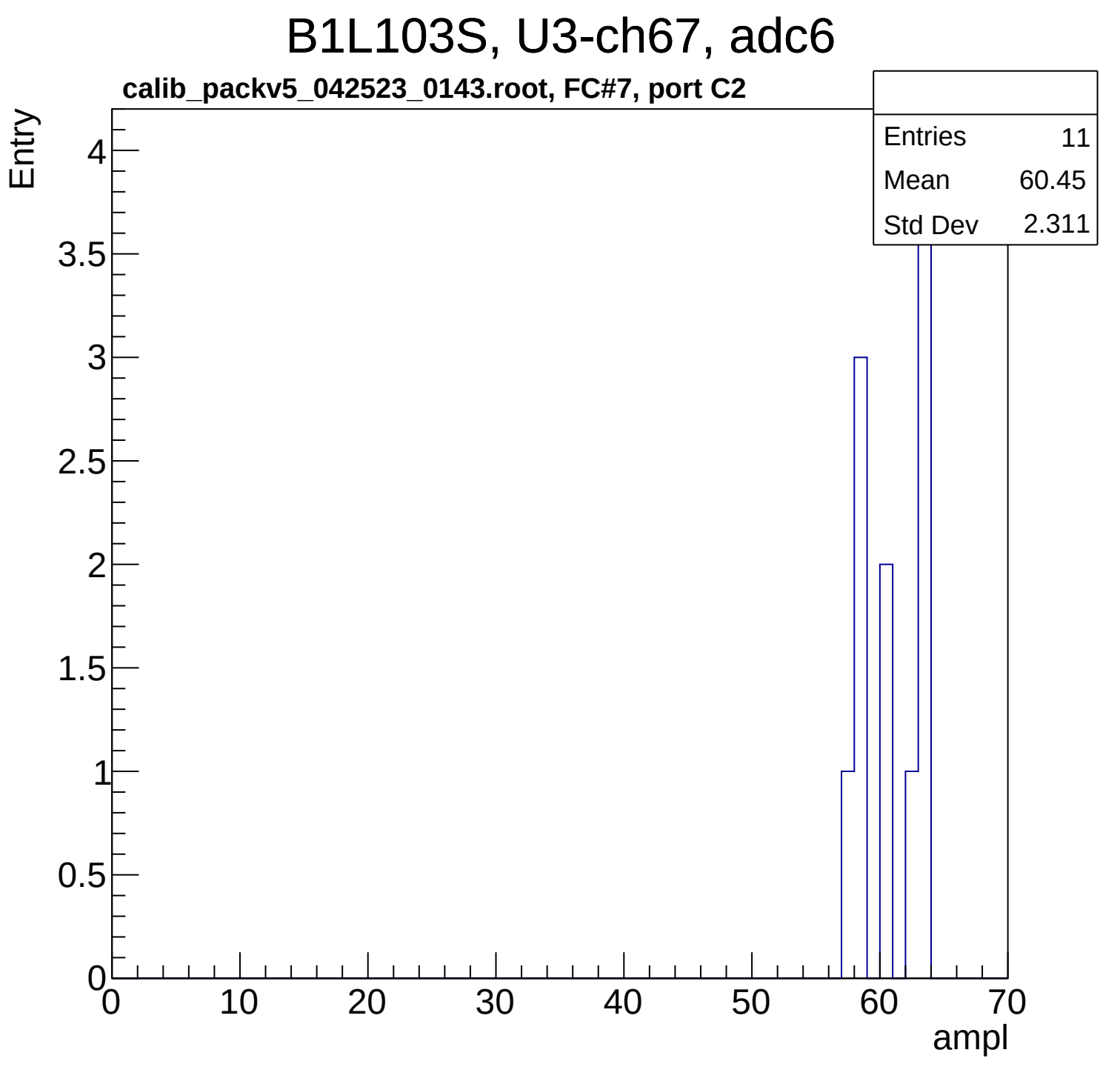
B1L103S, U3-ch67, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 60.45
Std Dev 2.311
Entry
ampl
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0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
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60
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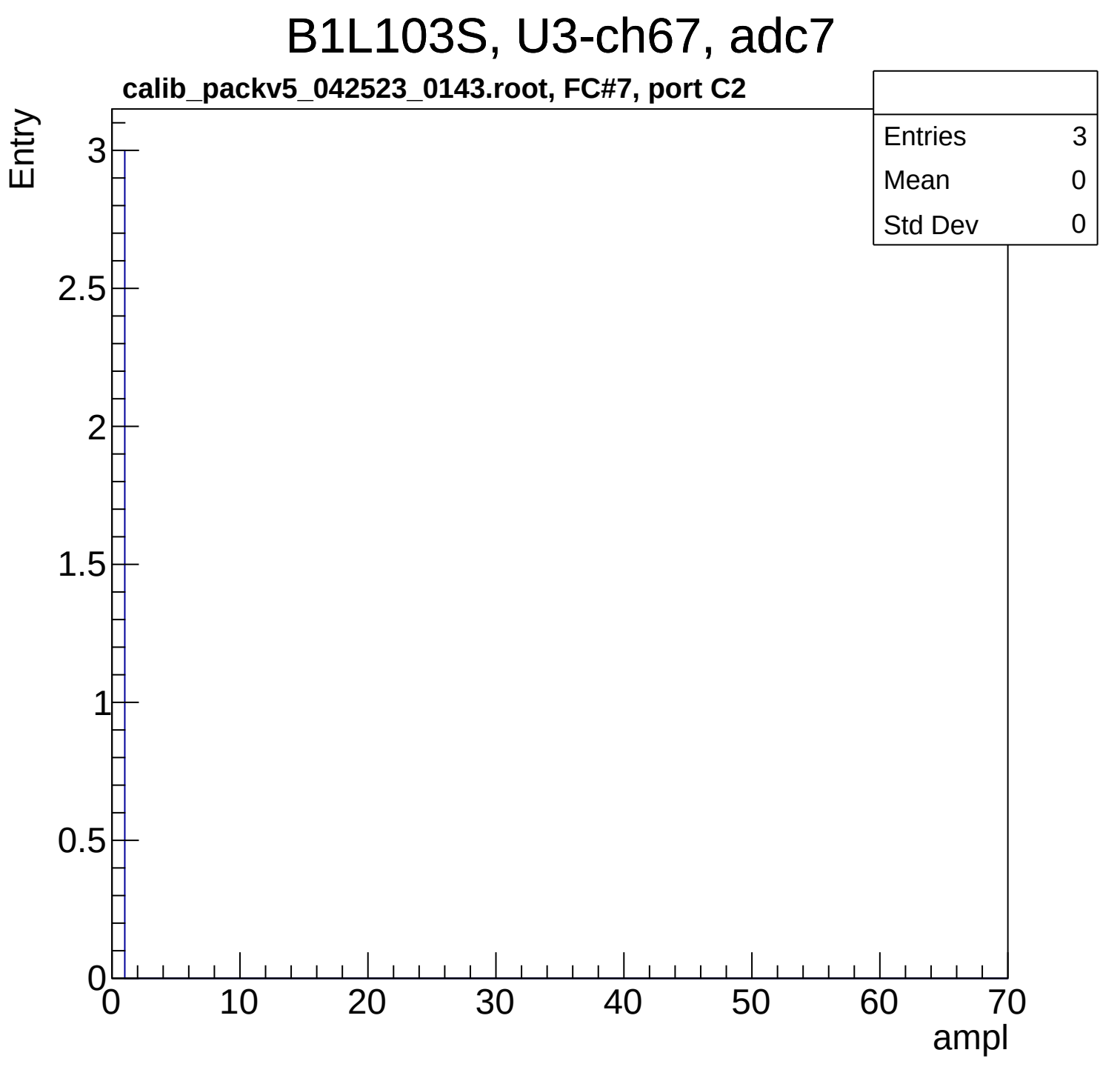
B1L103S, U3-ch67, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 0
Std Dev 0
Entry
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1
1.5
2
2.5
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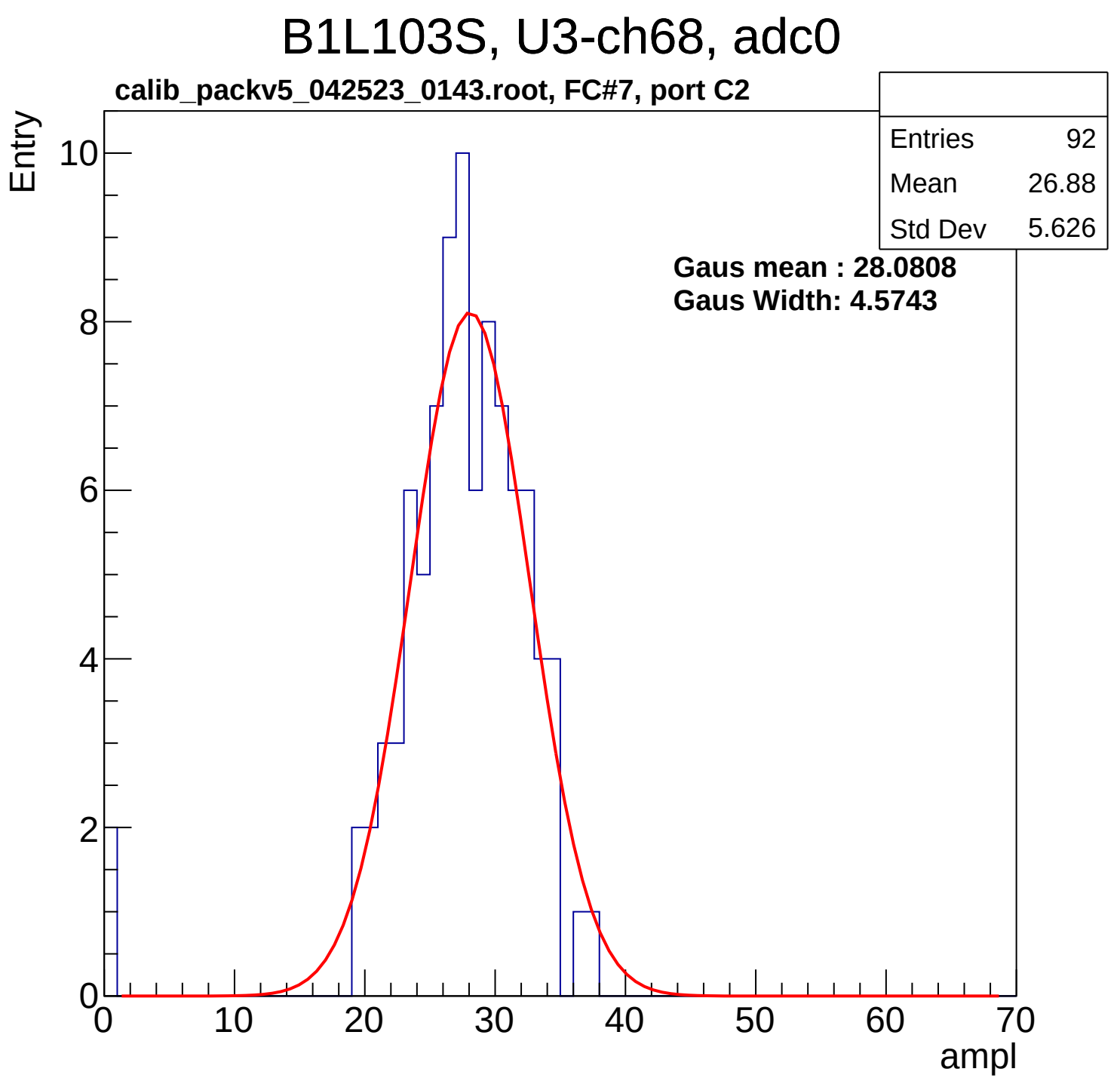
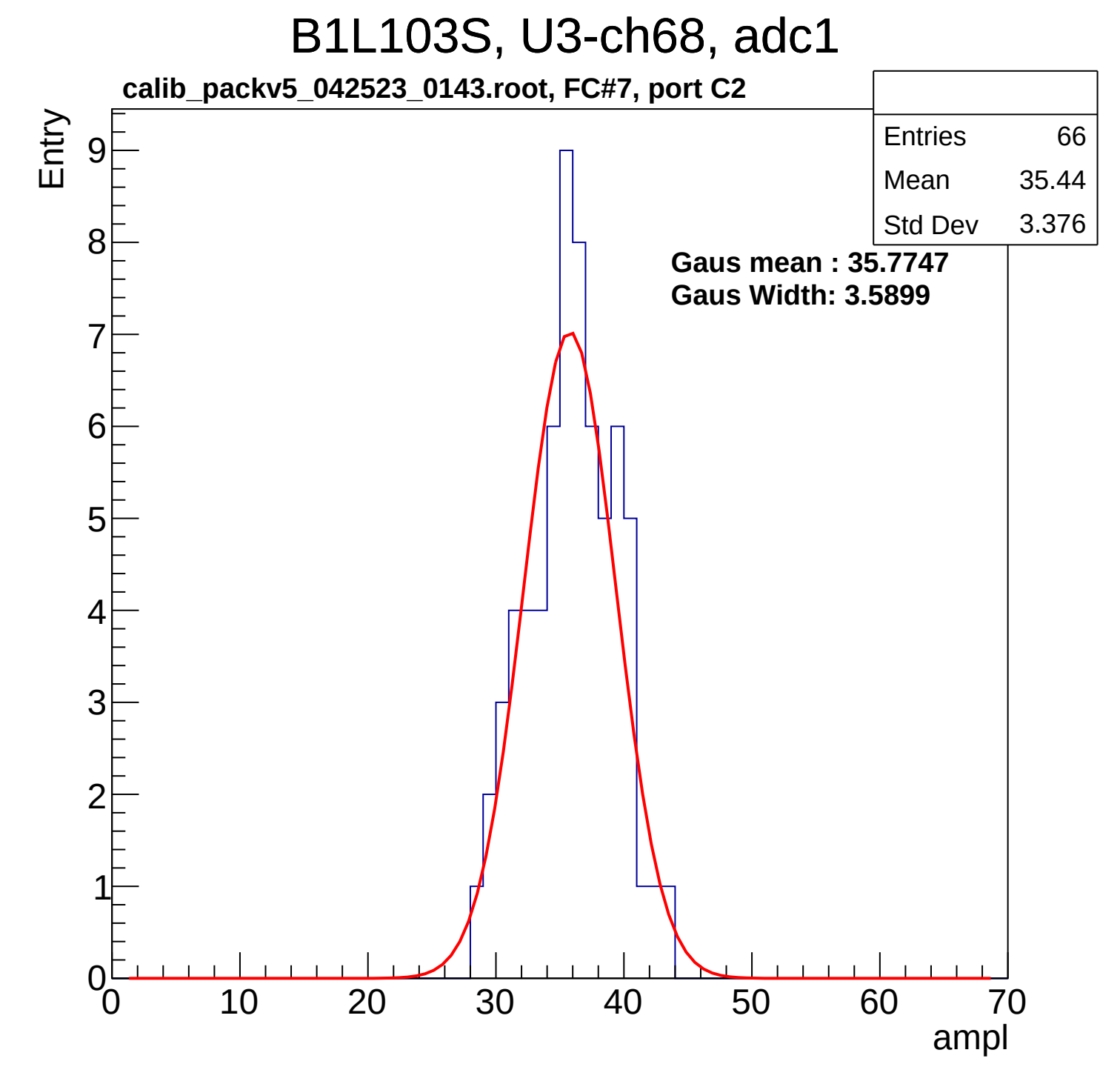
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch68, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 92
Mean 26.88
Std Dev 5.626
Gaus mean : 28.0808
Gaus Width: 4.5743
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch68, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 35.44
Std Dev 3.376
Gaus mean : 35.7747
Gaus Width: 3.5899
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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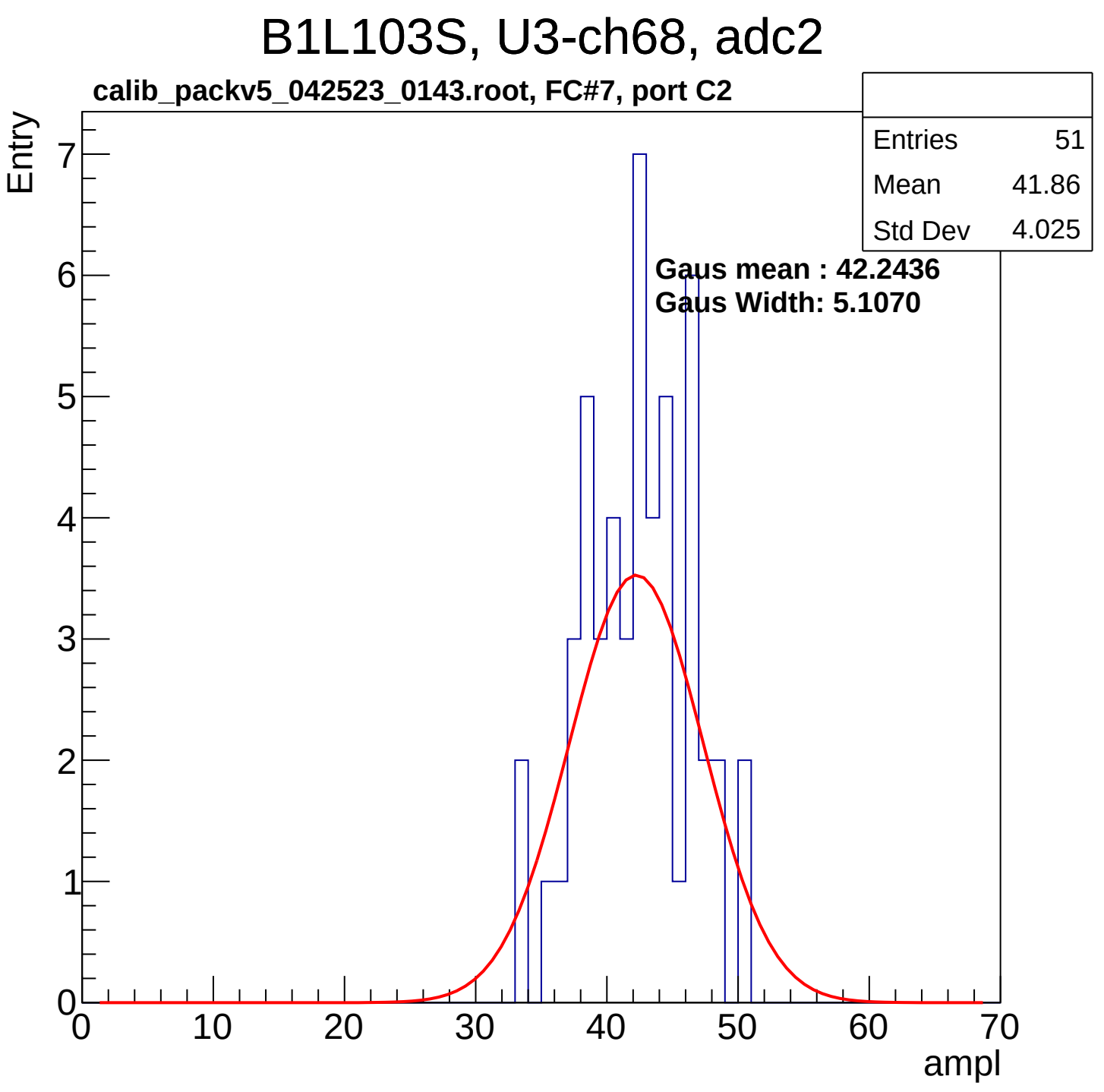
B1L103S, U3-ch68, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 41.86
Std Dev 4.025
Gaus mean : 42.2436
Gaus Width: 5.1070
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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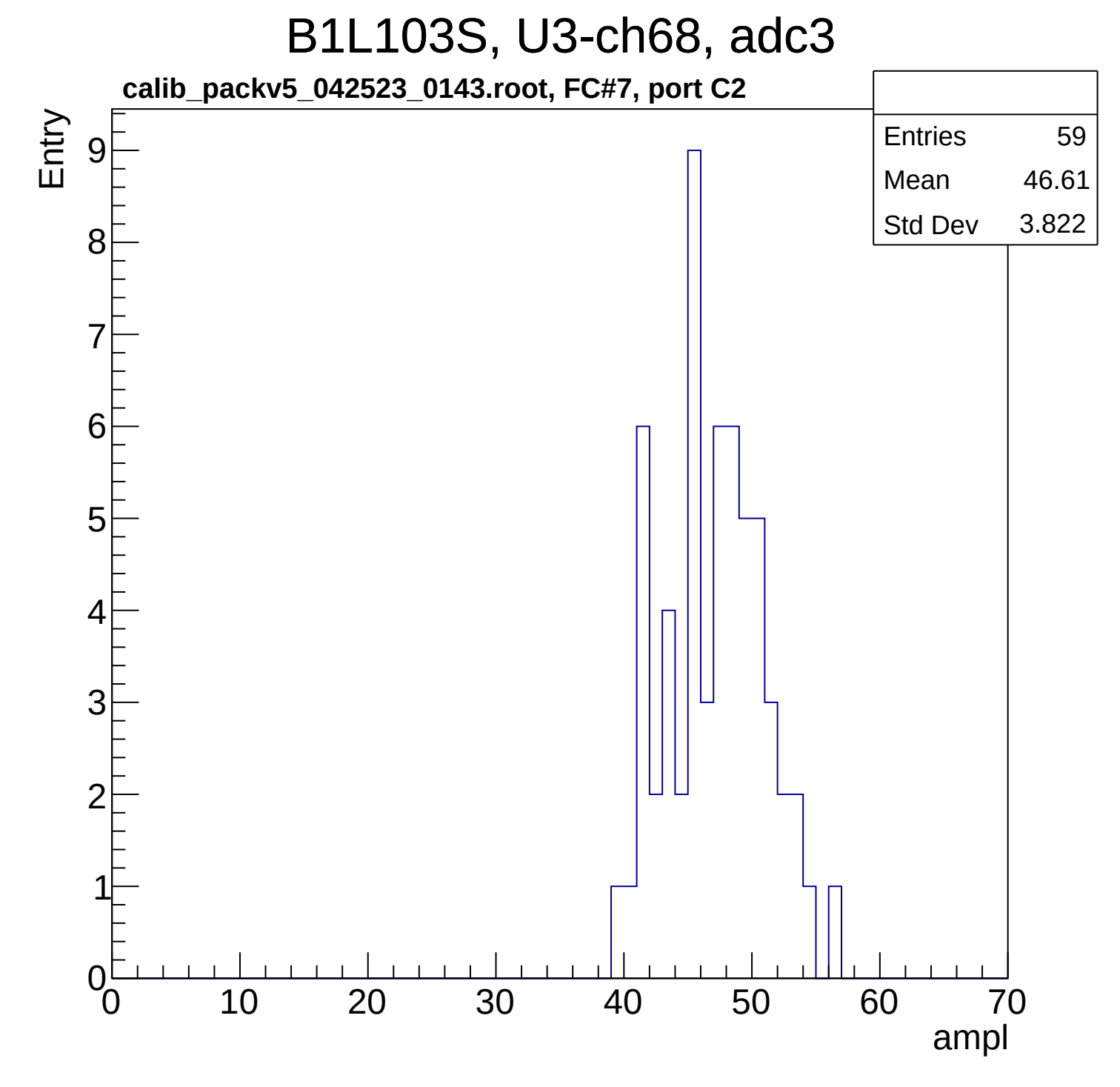
B1L103S, U3-ch68, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 46.61
Std Dev 3.822
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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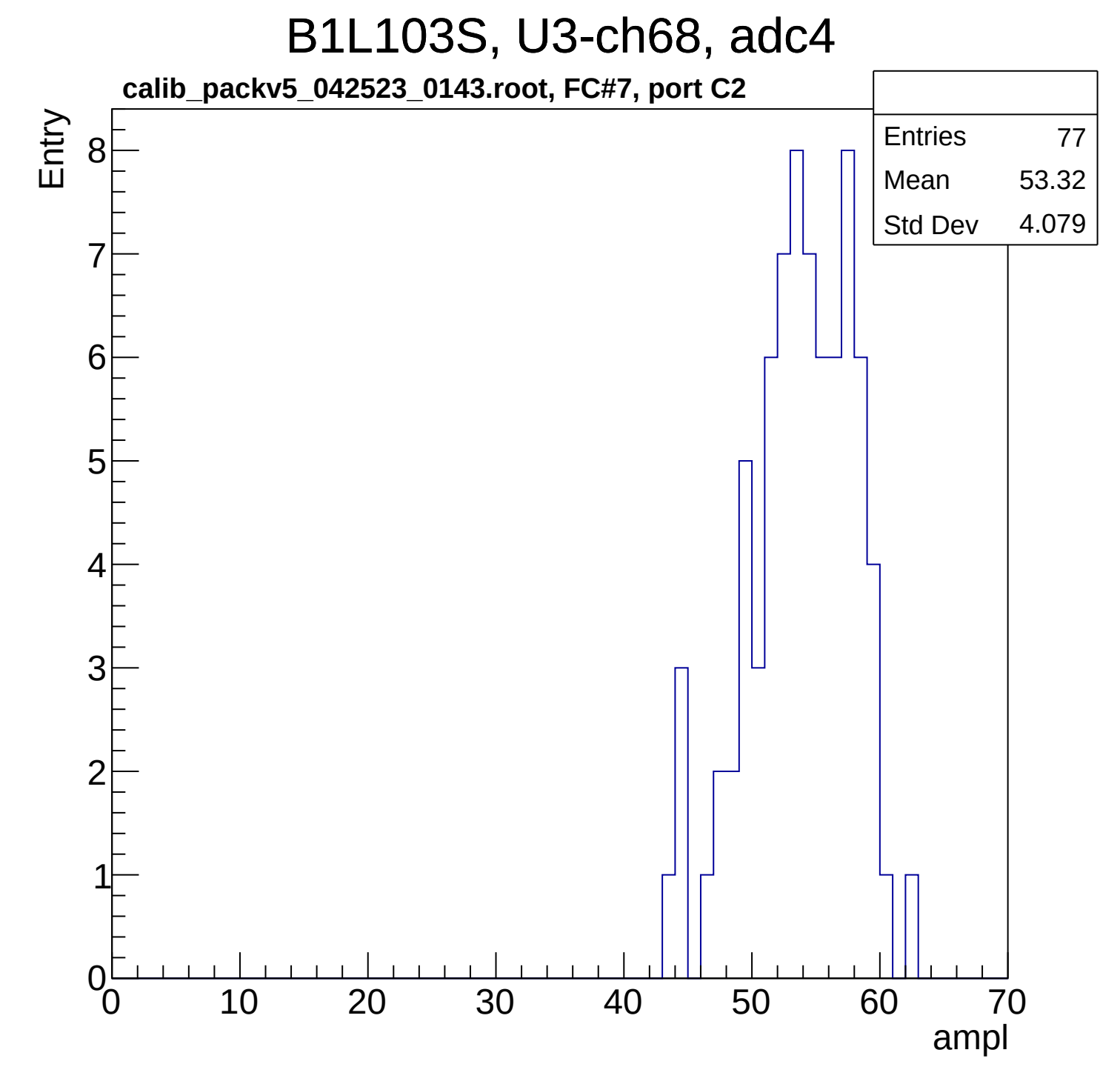
B1L103S, U3-ch68, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 77
Mean 53.32
Std Dev 4.079
Entry
ampl
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1
2
3
4
5
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7
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0
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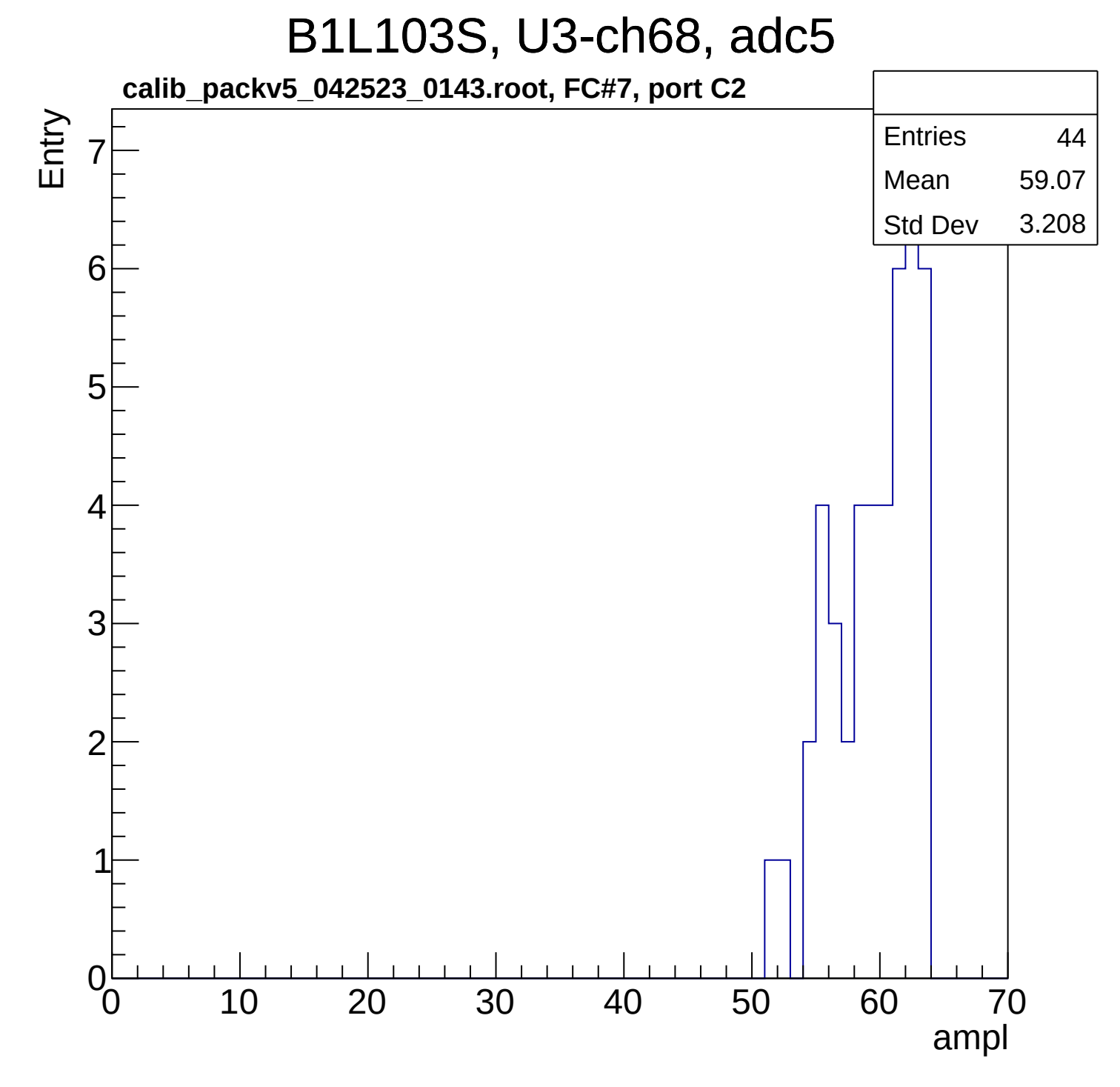
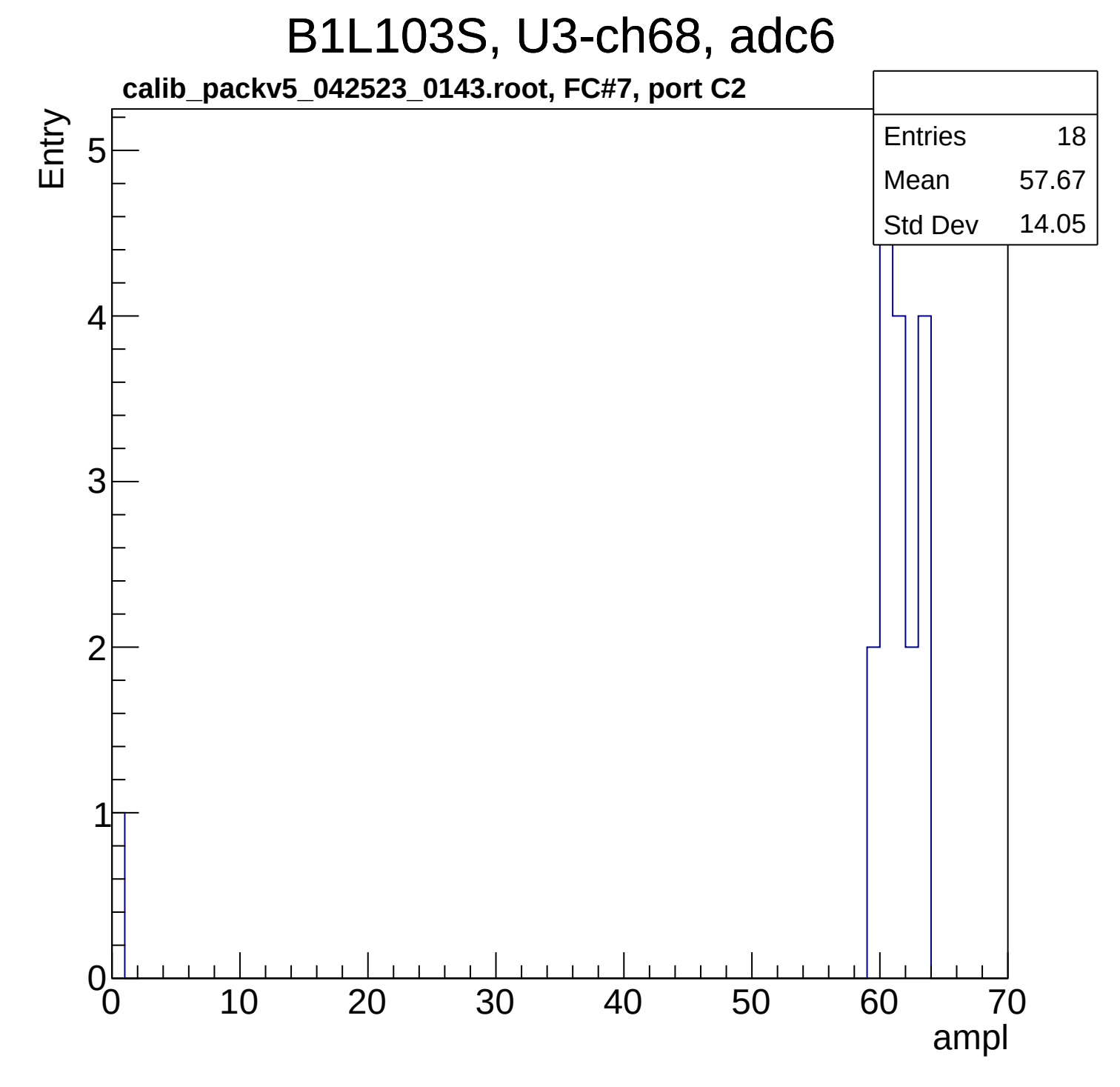

B1L103S, U3-ch68, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 59.07
Std Dev 3.208
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch68, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 57.67
Std Dev 14.05
Entry
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1
2
3
4
5
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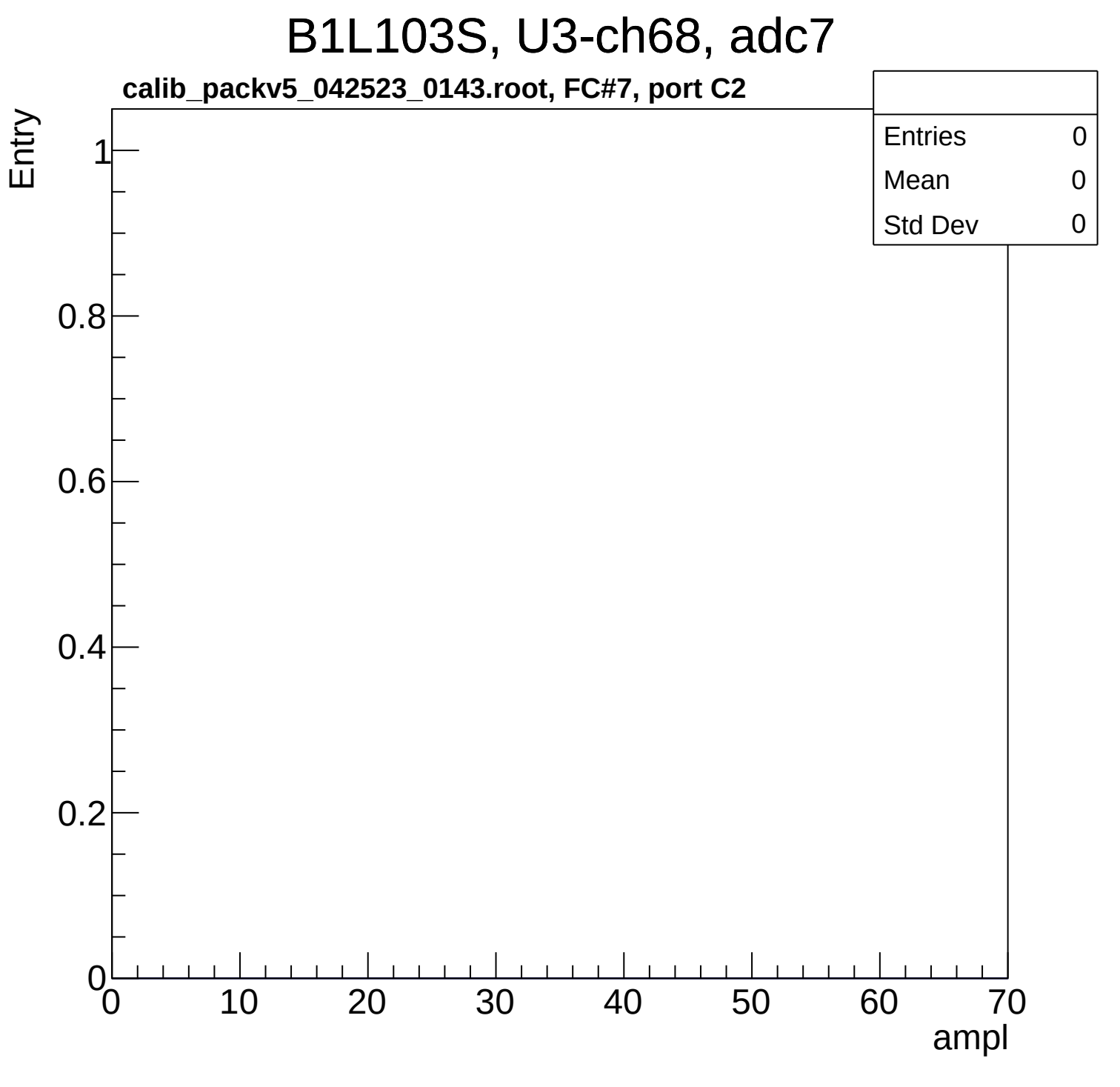
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch68, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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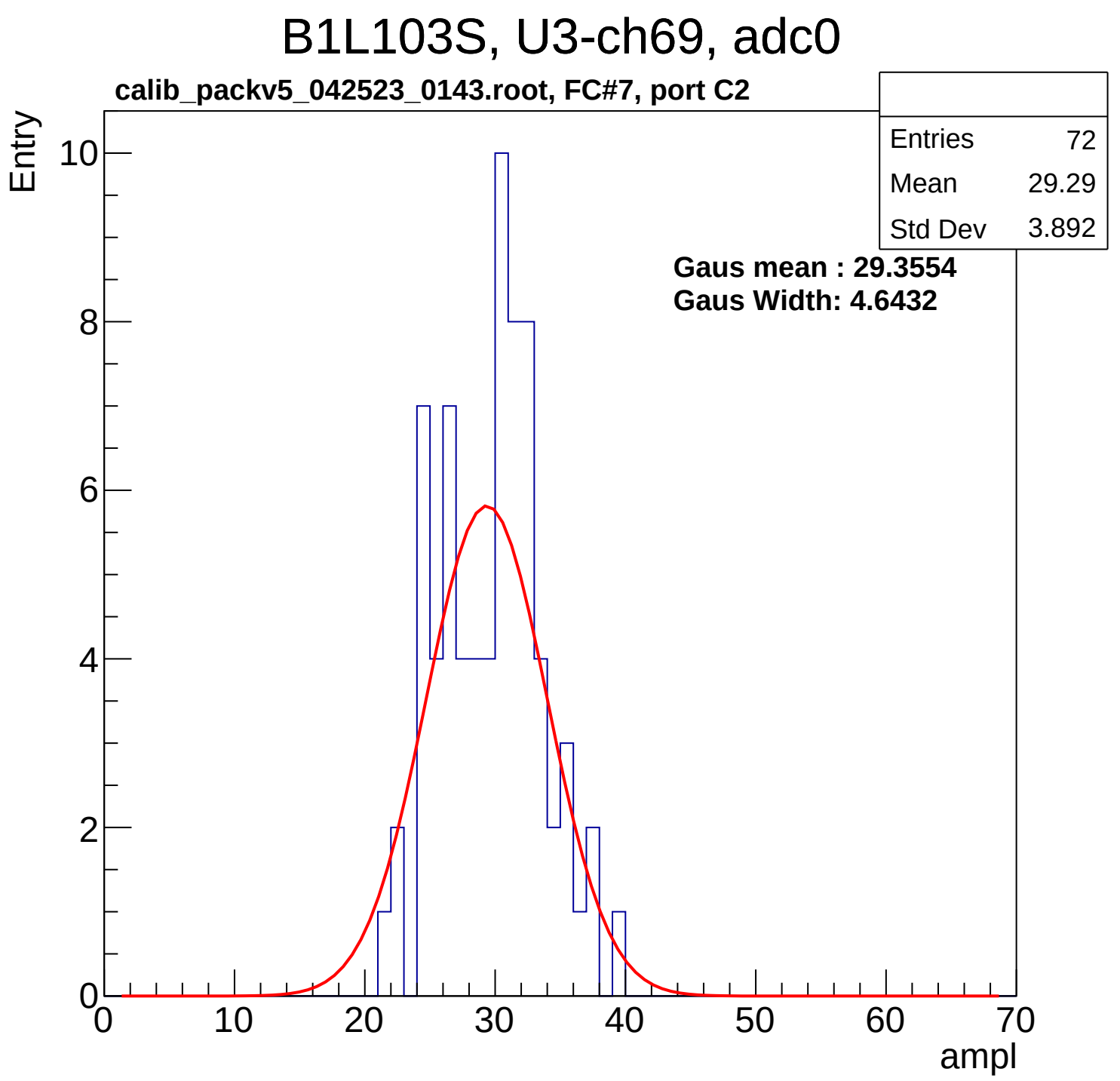
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch69, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.29
Std Dev 3.892
Gaus mean : 29.3554
Gaus Width: 4.6432
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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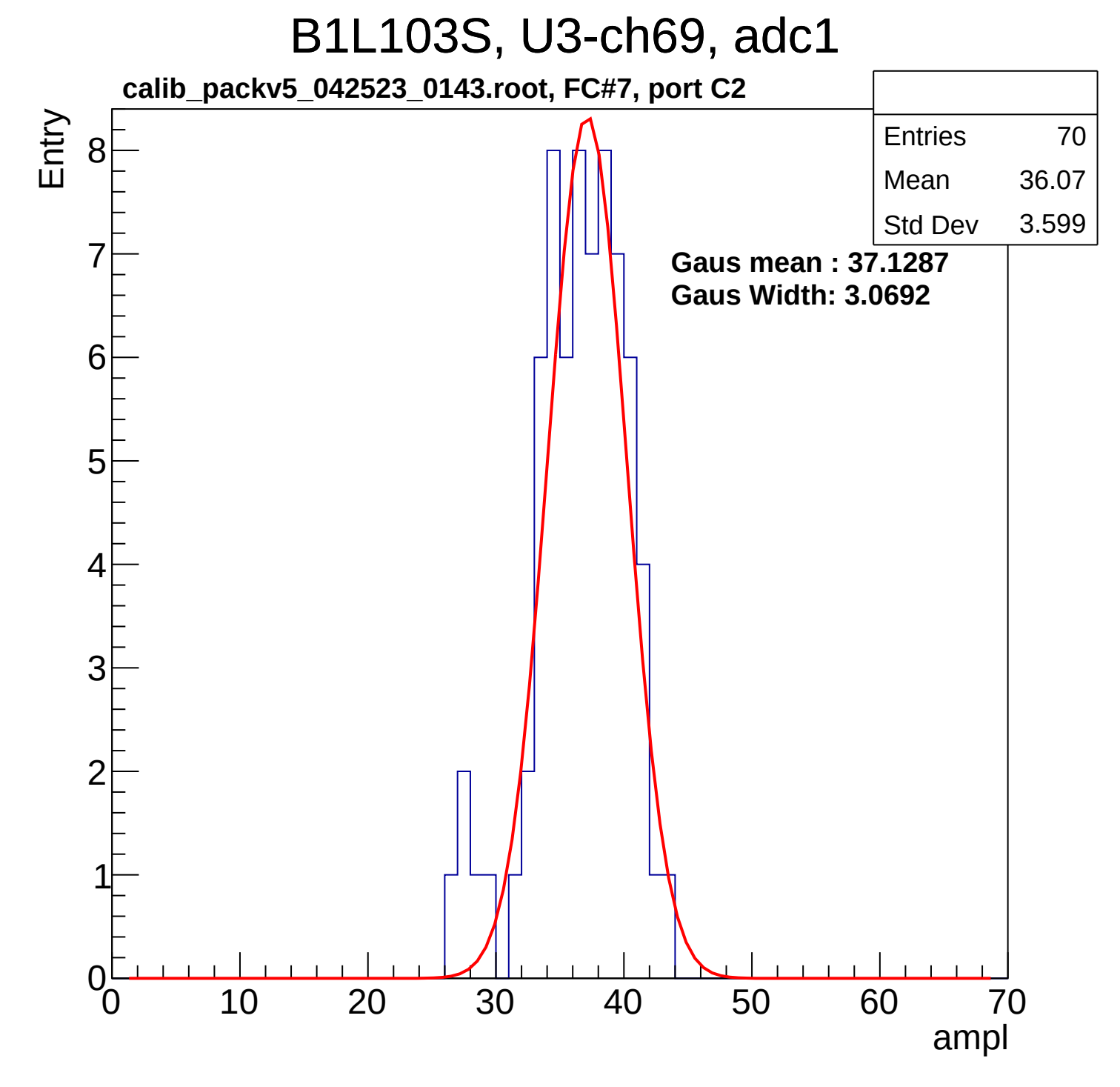
B1L103S, U3-ch69, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 36.07
Std Dev 3.599
Gaus mean : 37.1287
Gaus Width: 3.0692
Entry
ampl
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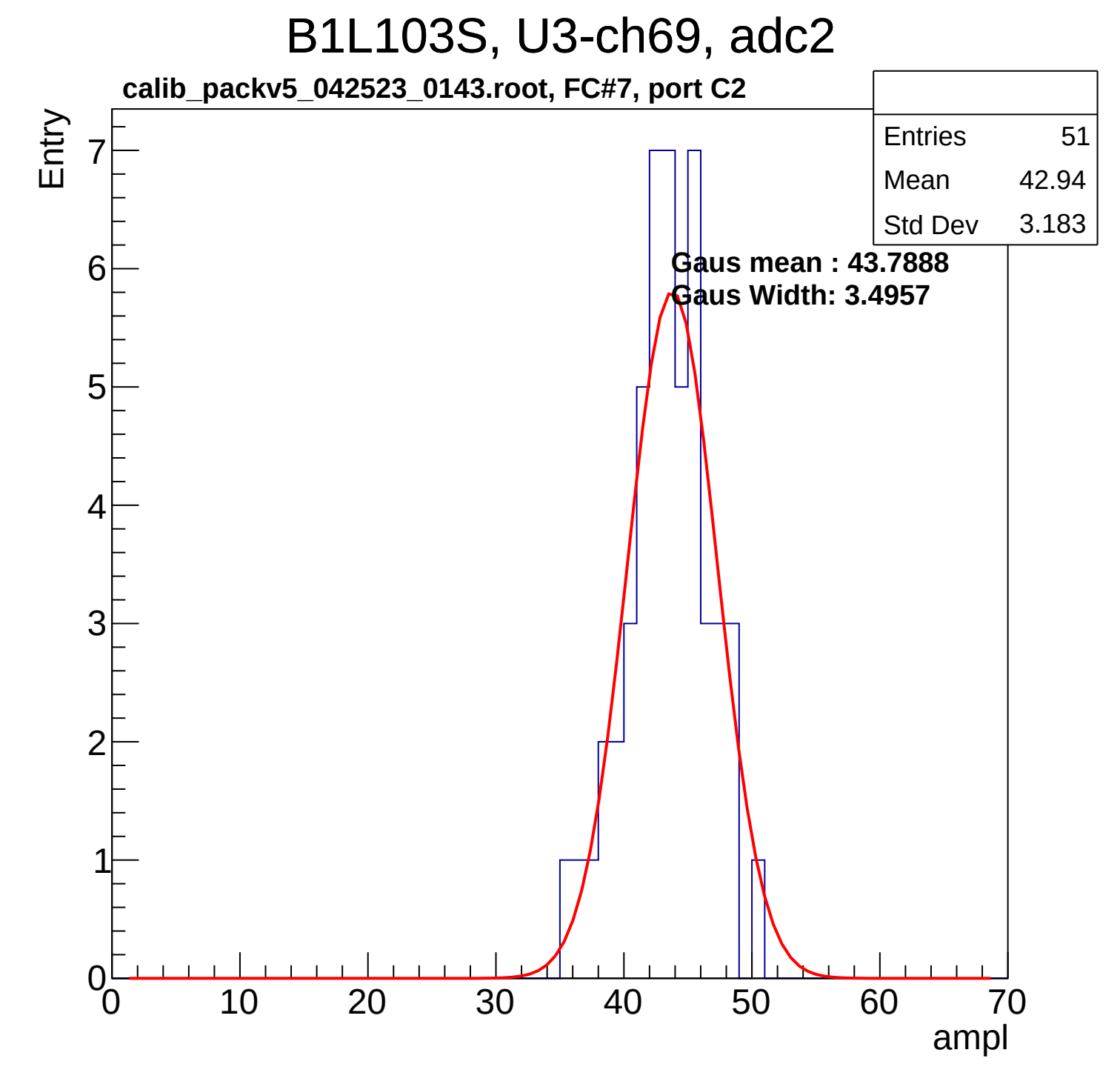
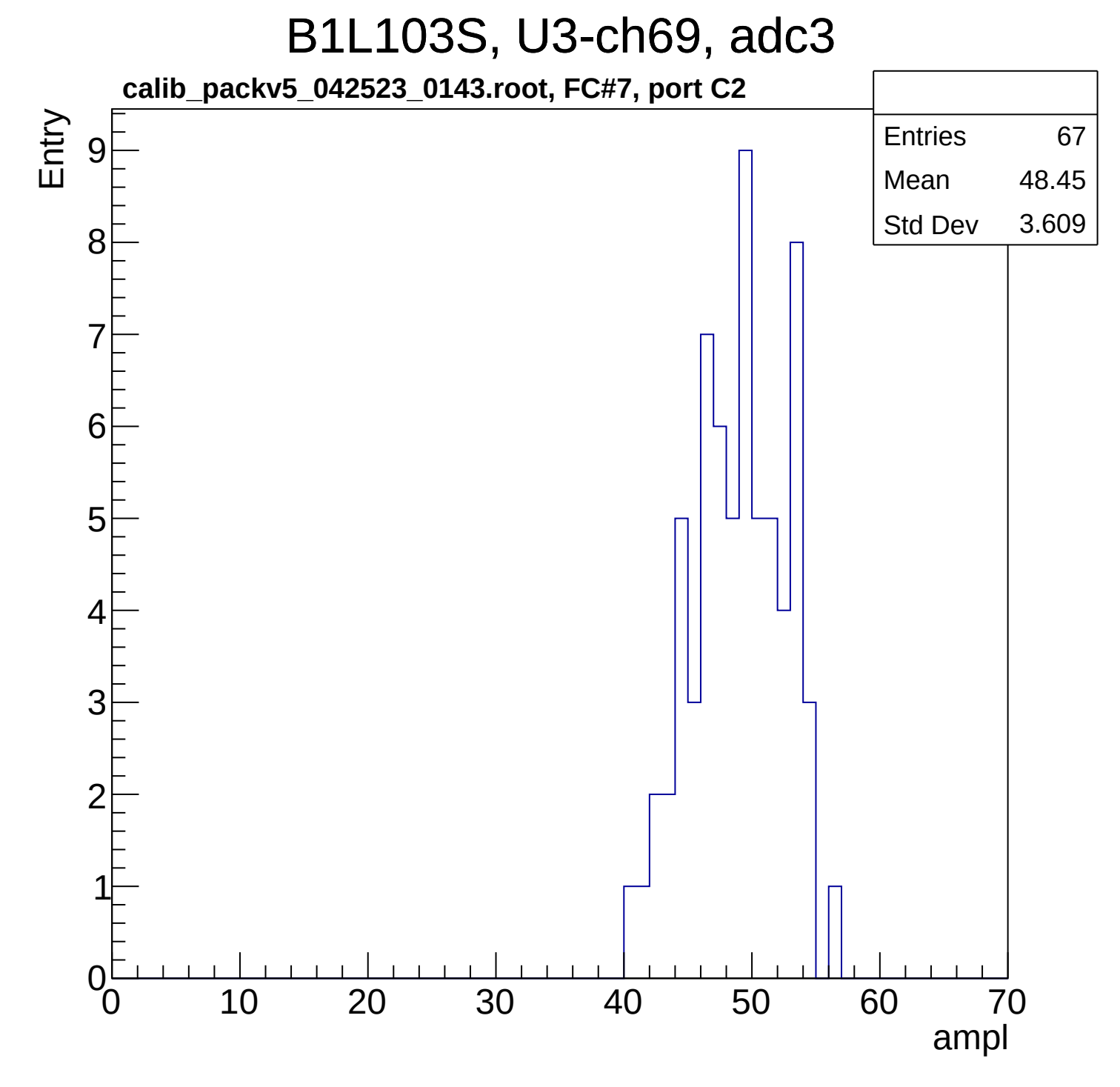
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch69, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 42.94
Std Dev 3.183
Gaus mean : 43.7888
Gaus Width: 3.4957
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch69, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 48.45
Std Dev 3.609
Entry
ampl
0
1
2
3
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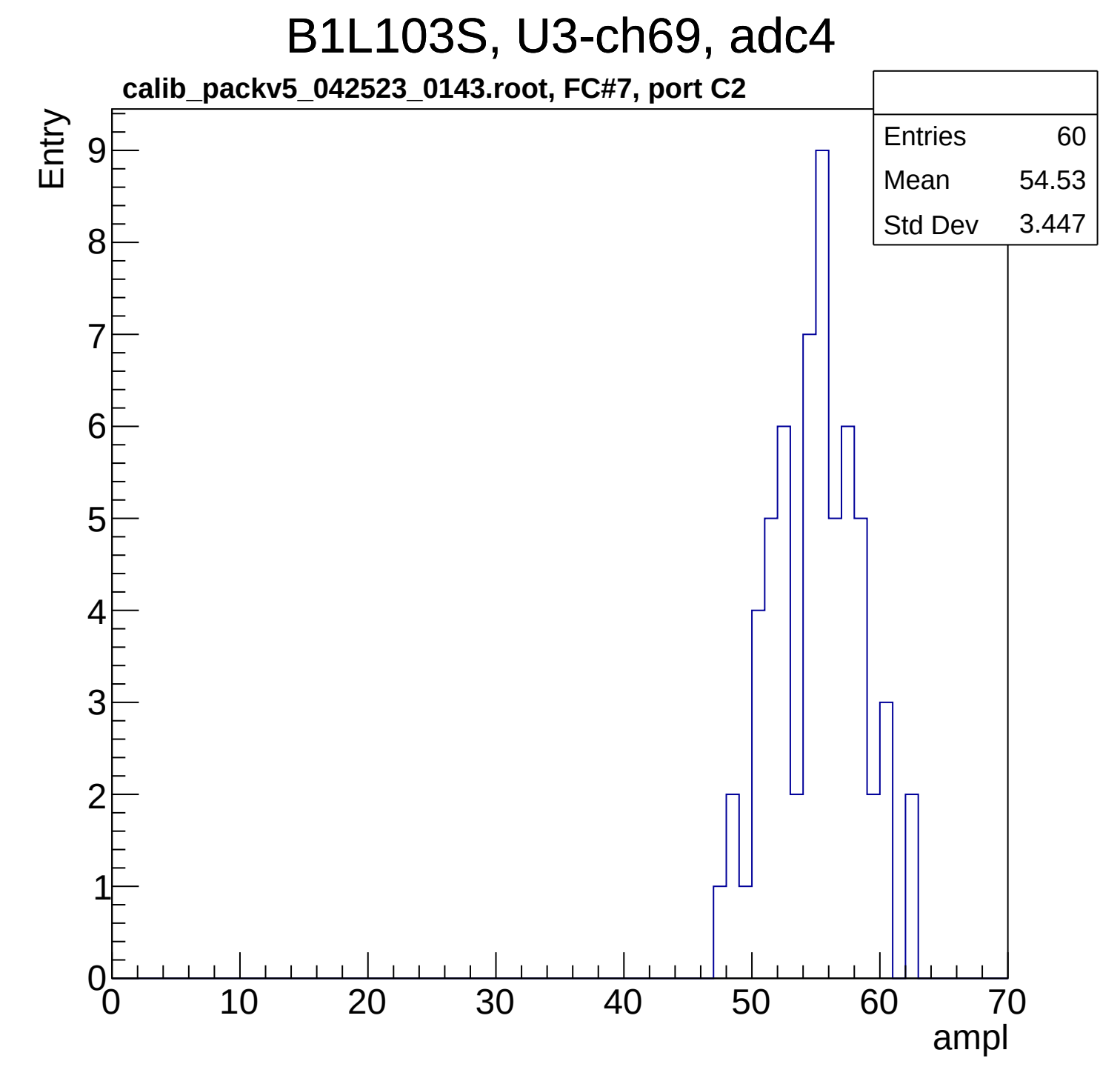
B1L103S, U3-ch69, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 54.53
Std Dev 3.447
Entry
ampl
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3
4
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6
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0
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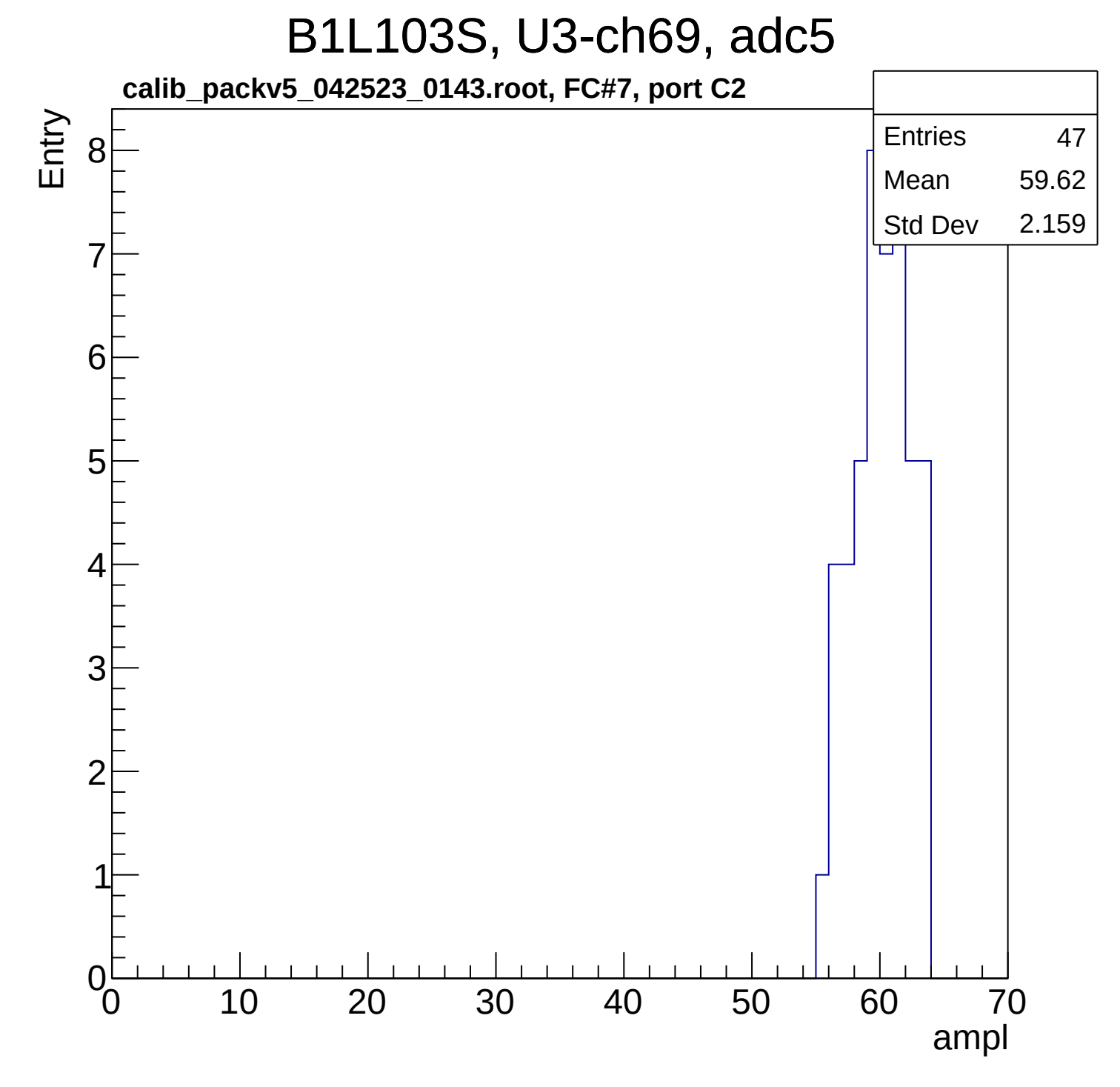
B1L103S, U3-ch69, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 59.62
Std Dev 2.159
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
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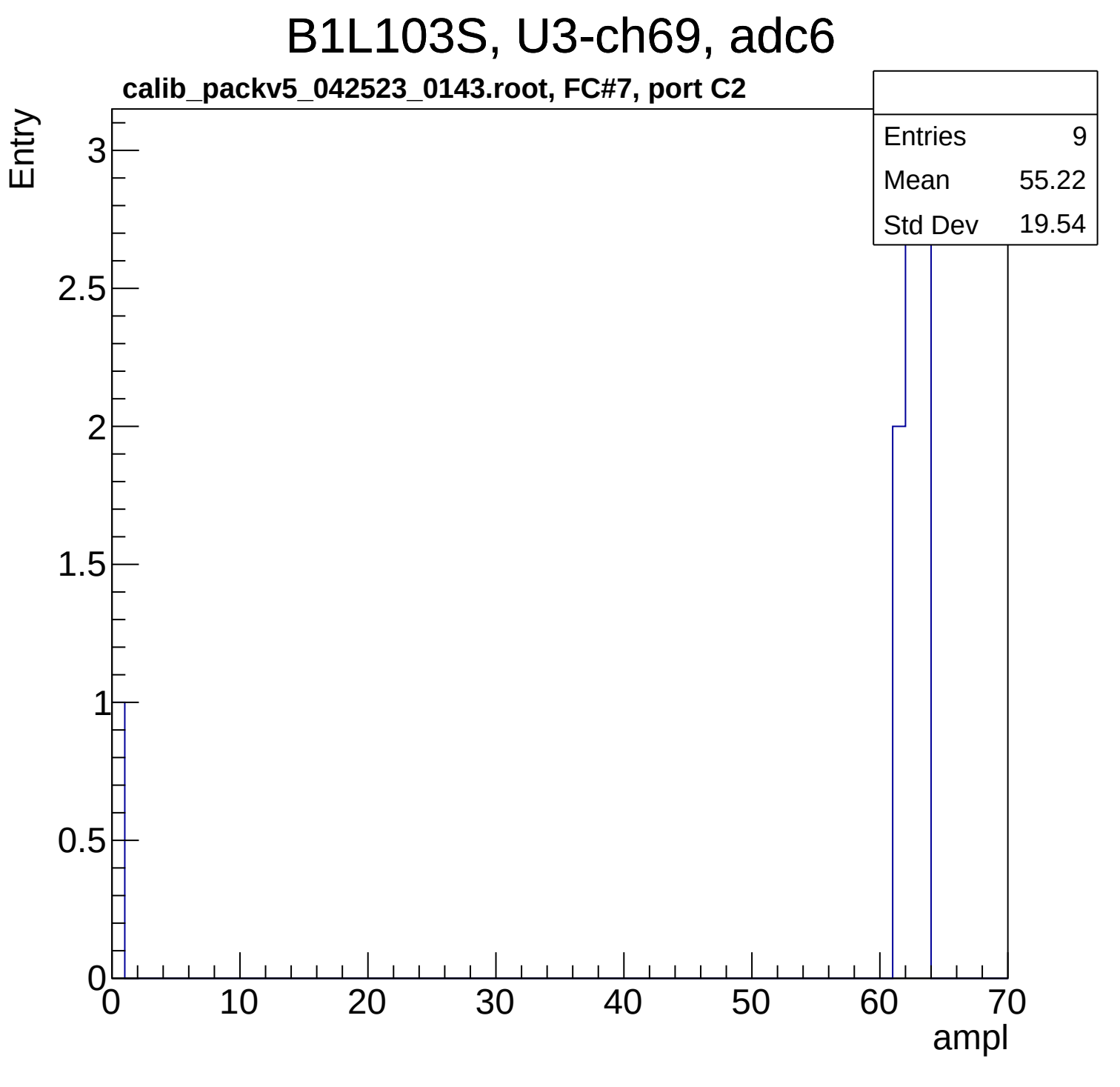
B1L103S, U3-ch69, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 55.22
Std Dev 19.54
Entry
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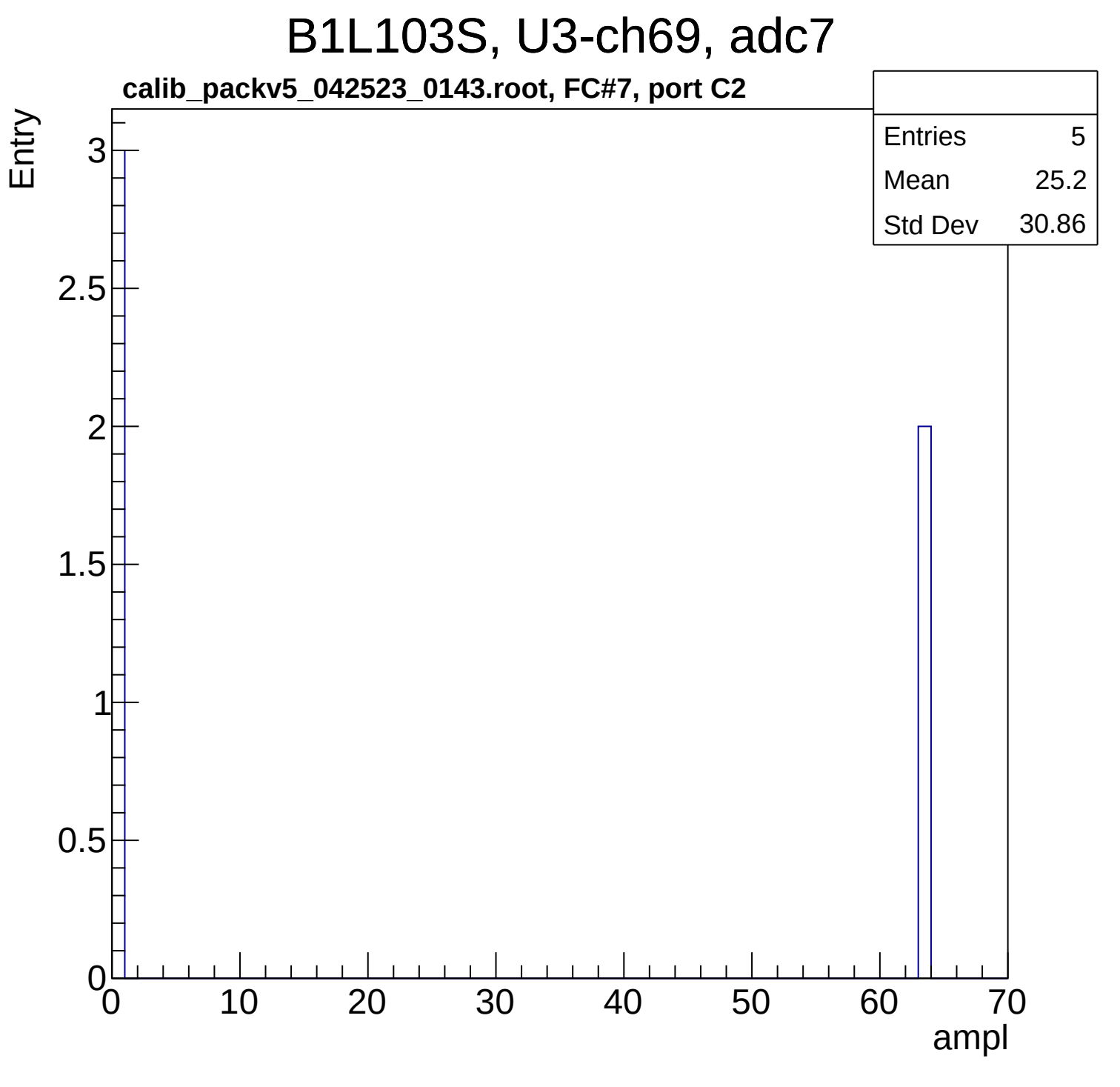
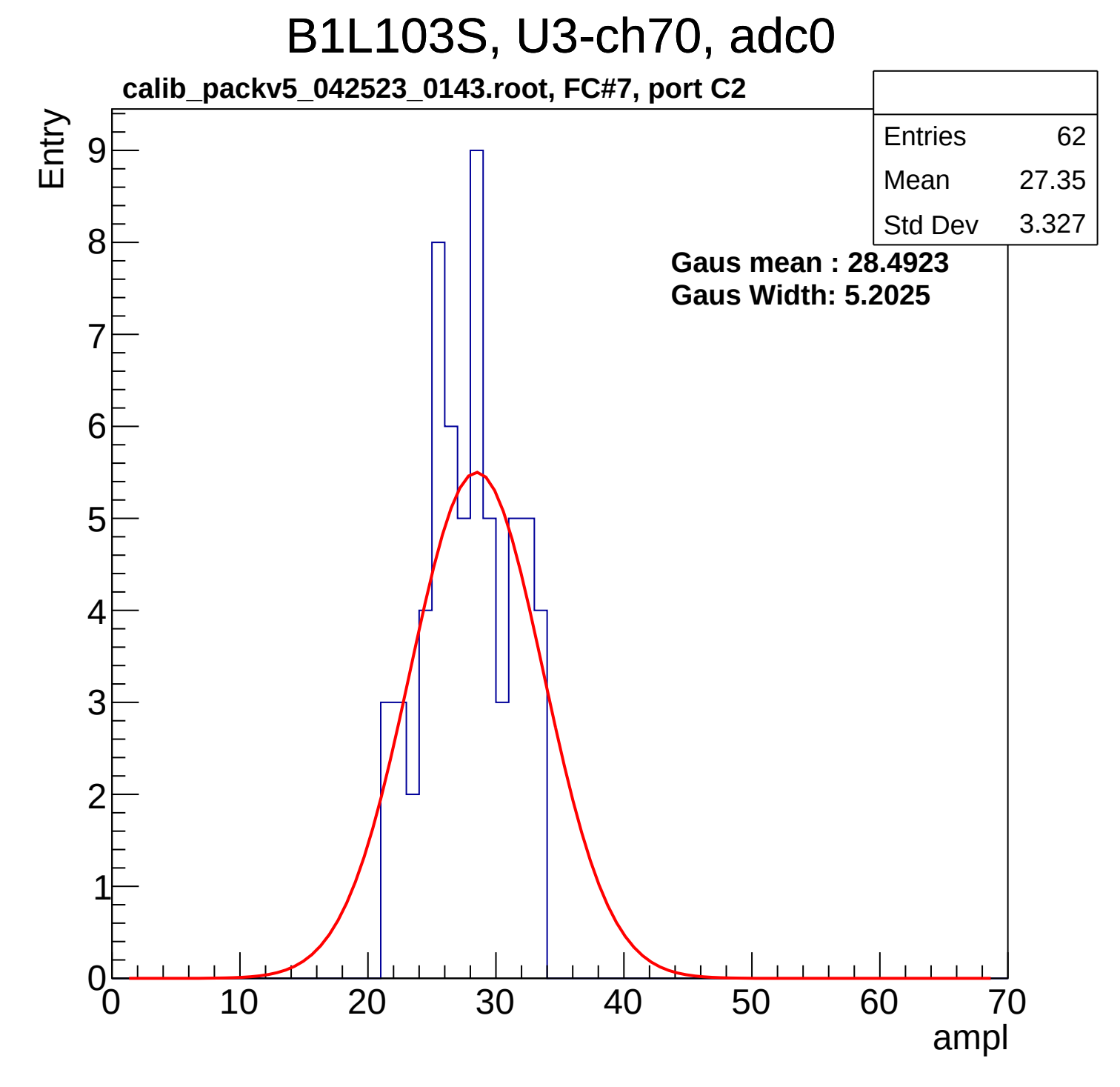
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch69, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 25.2
Std Dev 30.86
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch70, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 27.35
Std Dev 3.327
Gaus mean : 28.4923
Gaus Width: 5.2025
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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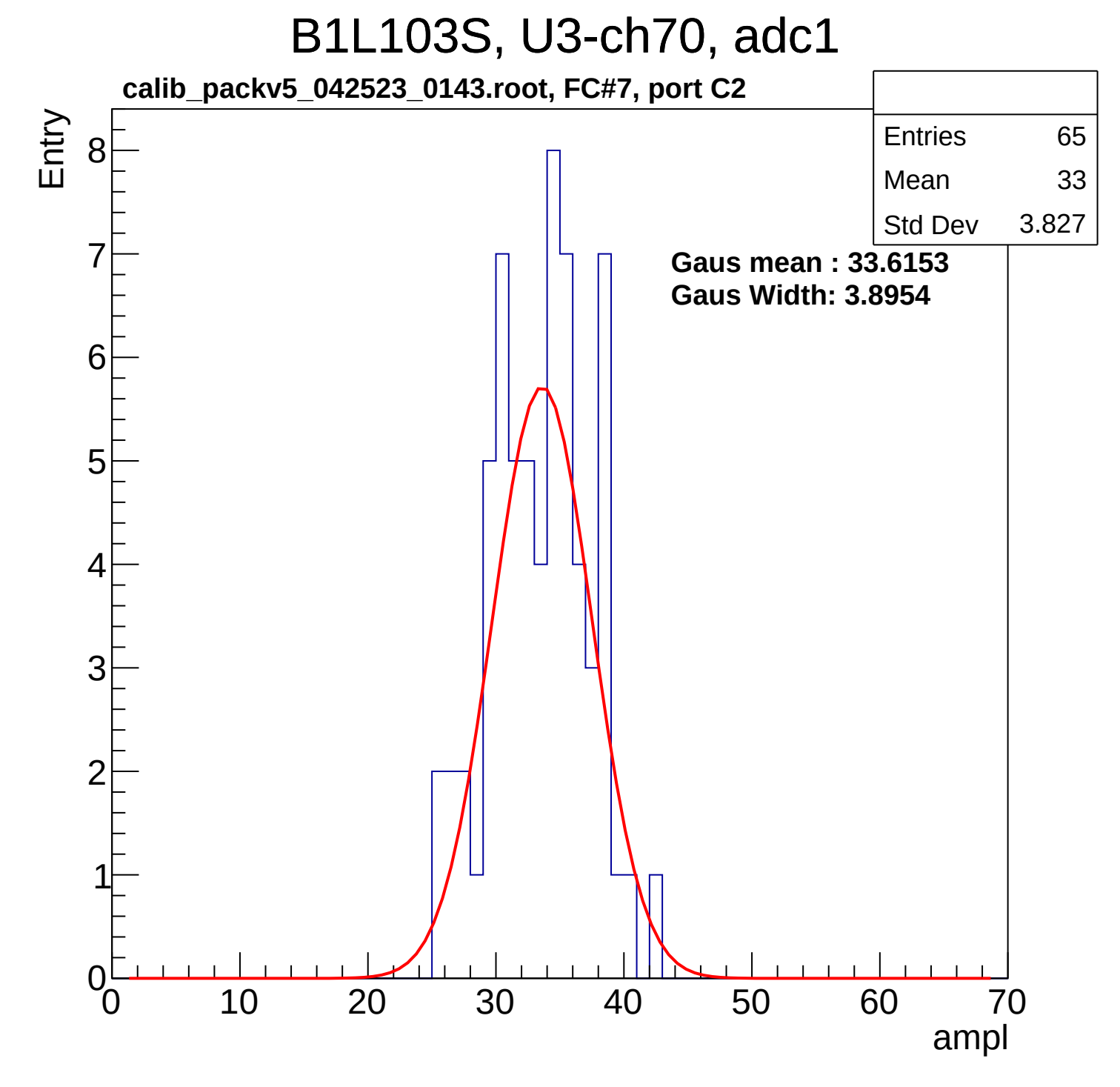
B1L103S, U3-ch70, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 33
Std Dev 3.827
Gaus mean : 33.6153
Gaus Width: 3.8954
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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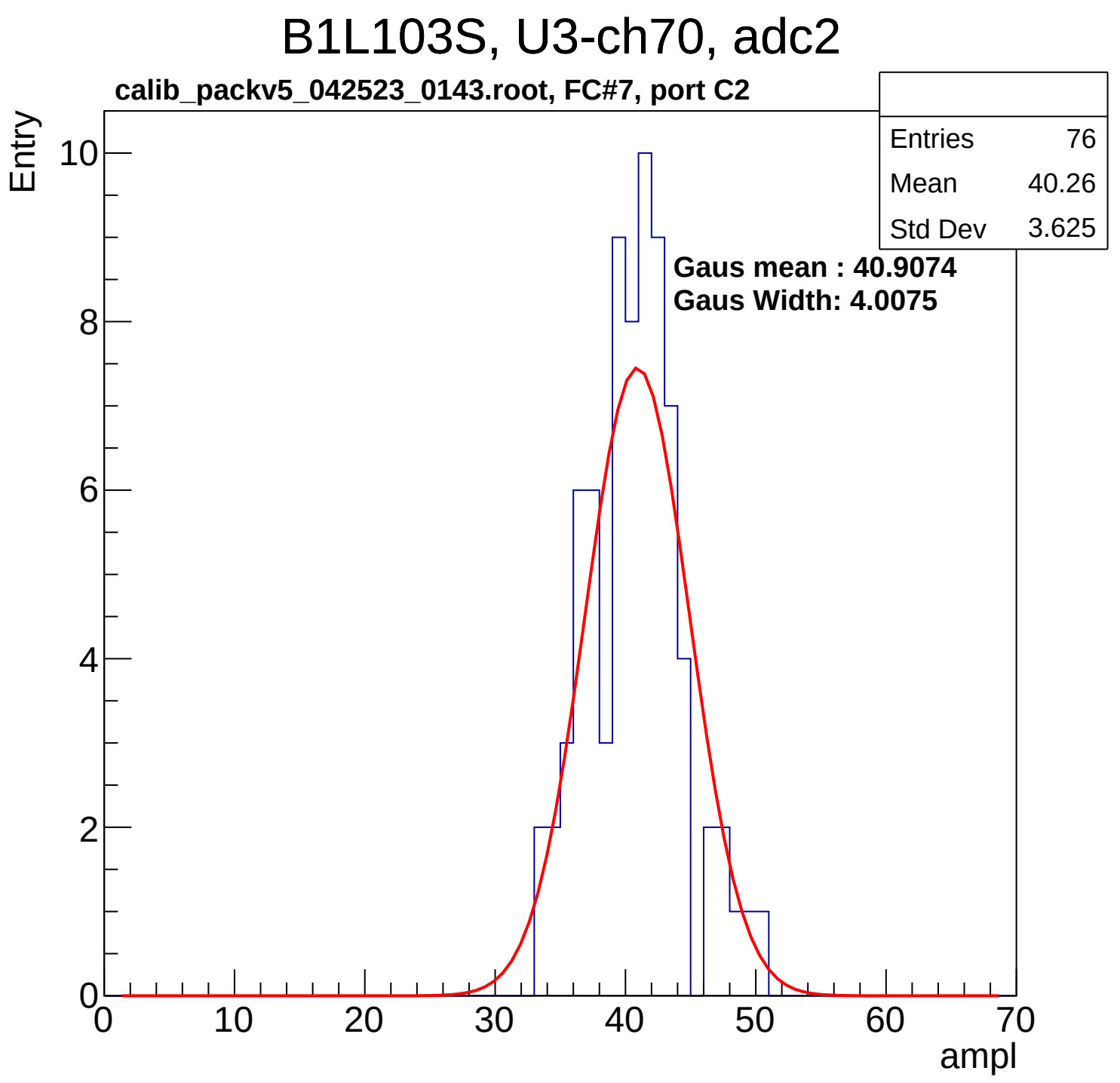
B1L103S, U3-ch70, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 40.26
Std Dev 3.625
Gaus mean : 40.9074
Gaus Width: 4.0075
Entry
ampl
0
2
4
6
8
10
0
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20
30
40
50
60
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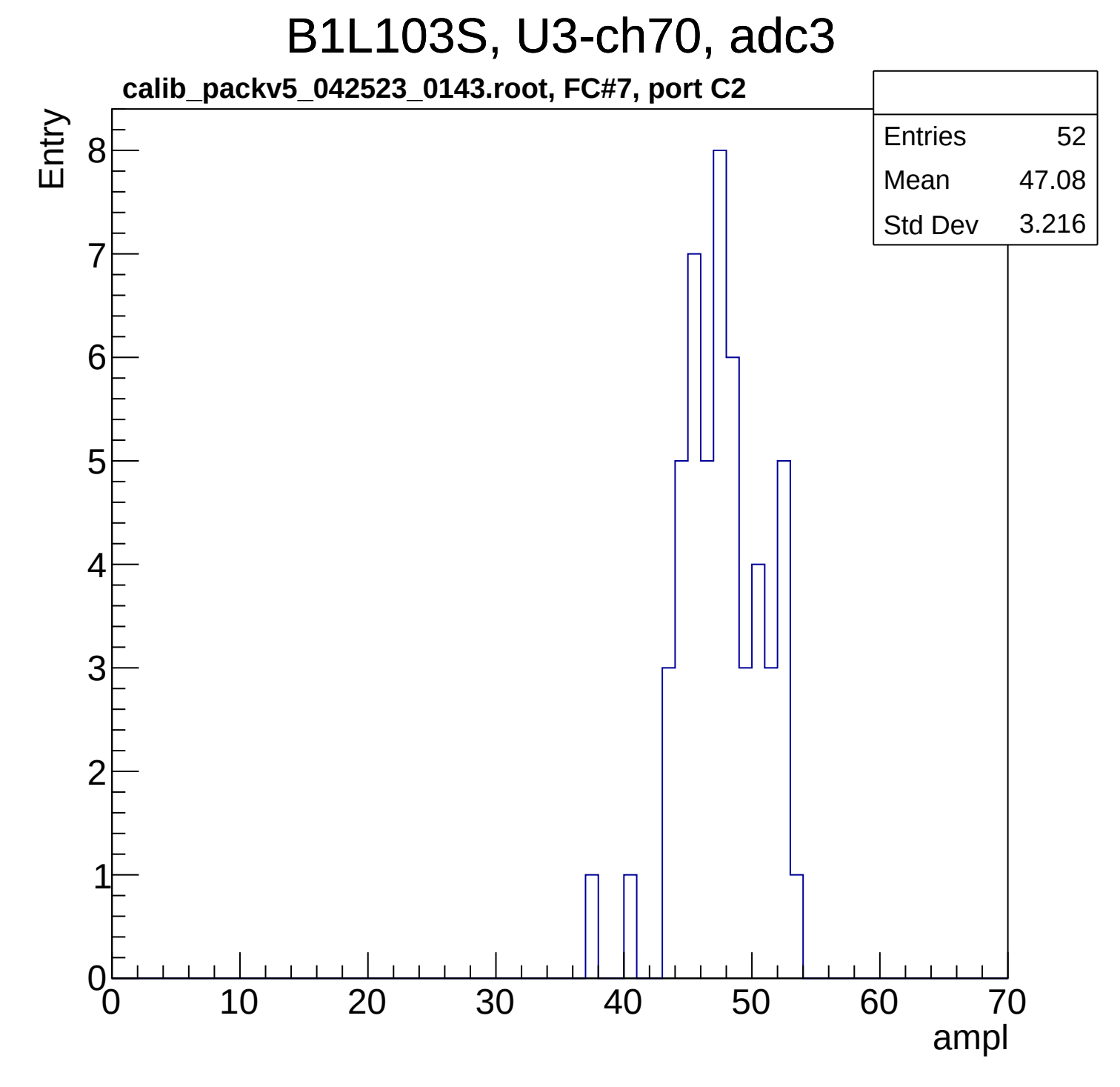
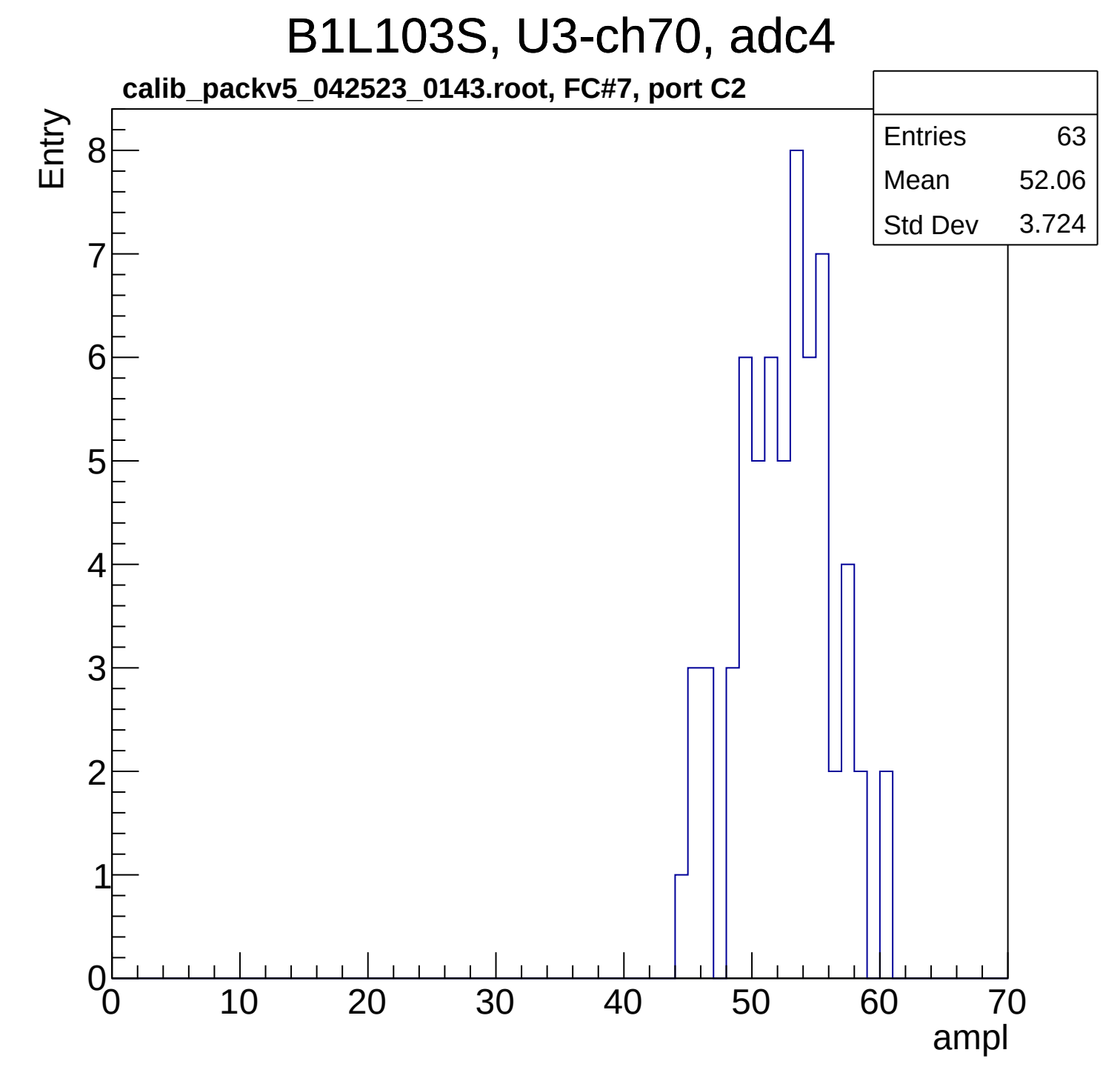

B1L103S, U3-ch70, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 47.08
Std Dev 3.216
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch70, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 52.06
Std Dev 3.724
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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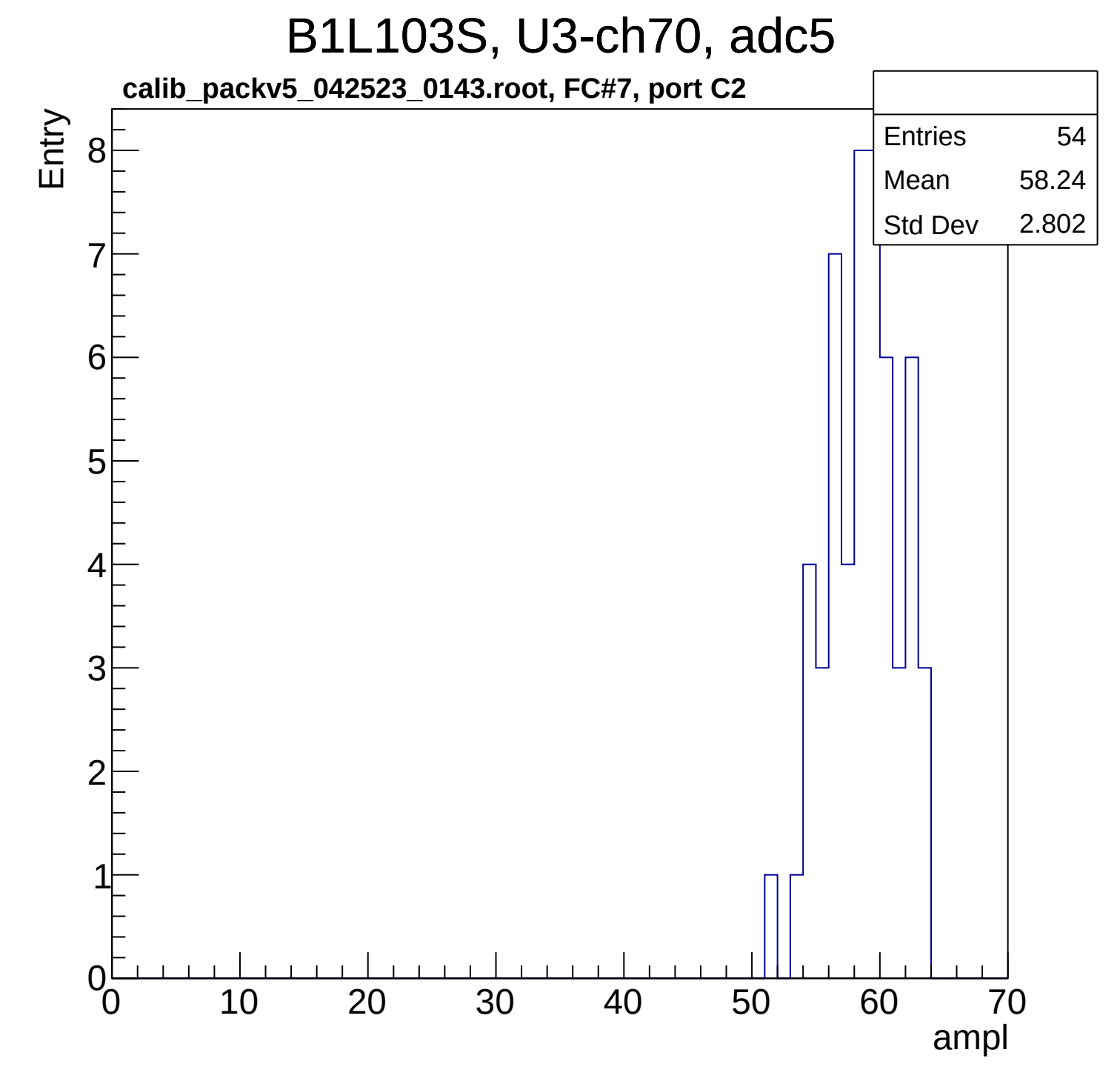
B1L103S, U3-ch70, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.24
Std Dev 2.802
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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60
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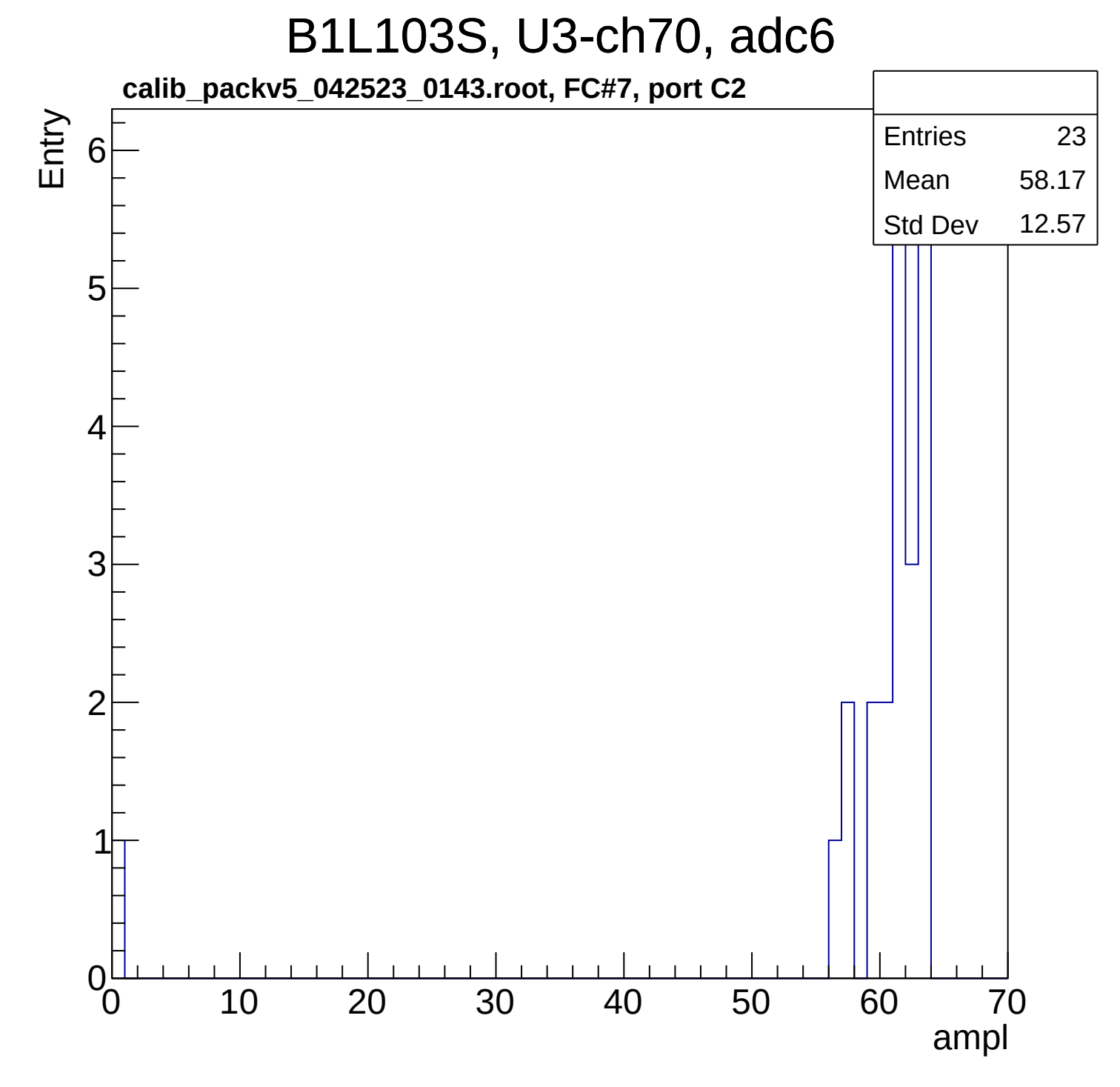
B1L103S, U3-ch70, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 23
Mean 58.17
Std Dev 12.57
Entry
ampl
0
1
2
3
4
5
6
0
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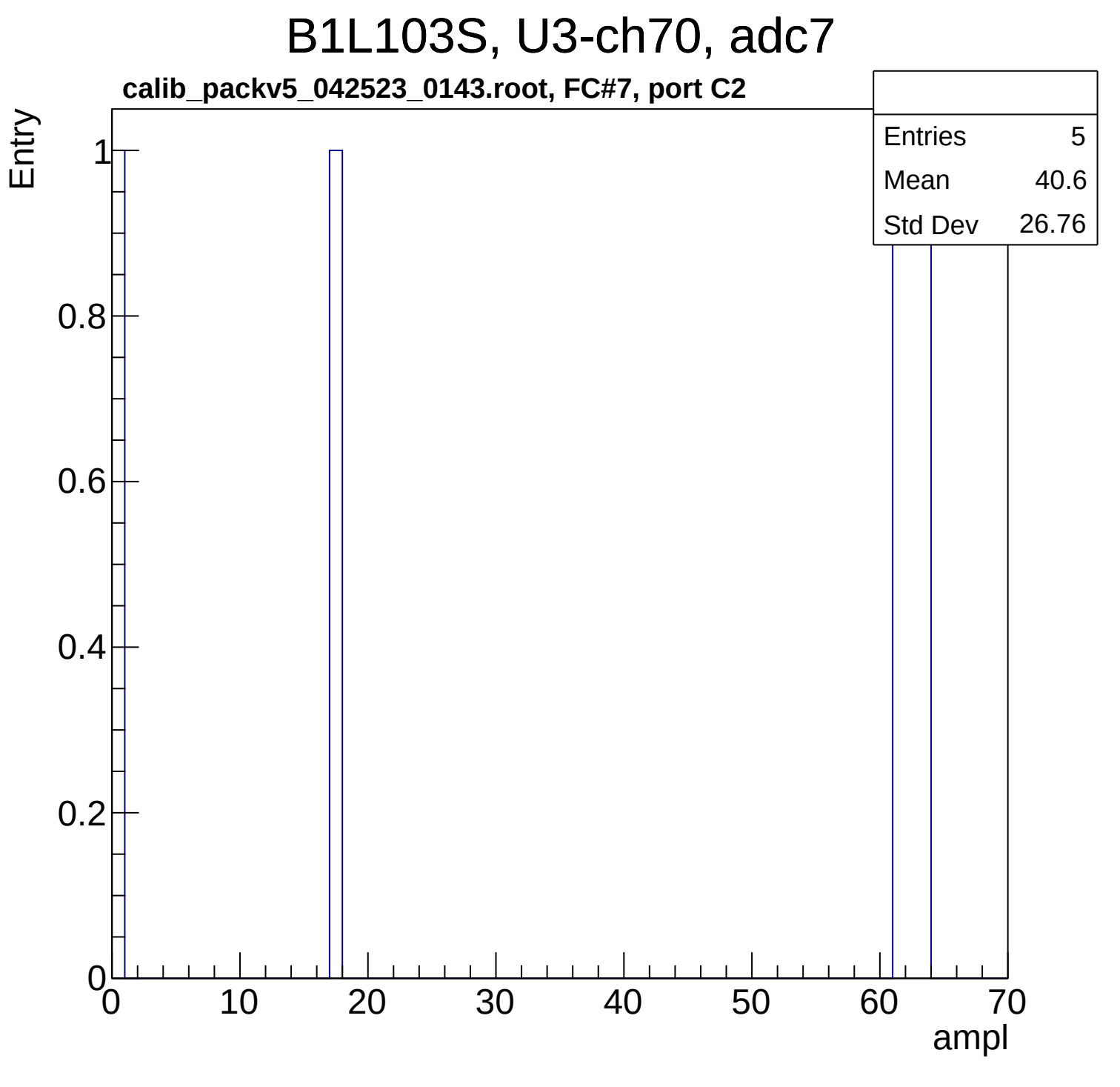
20
30
40
50
60
70


B1L103S, U3-ch70, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 40.6
Std Dev 26.76
Entry
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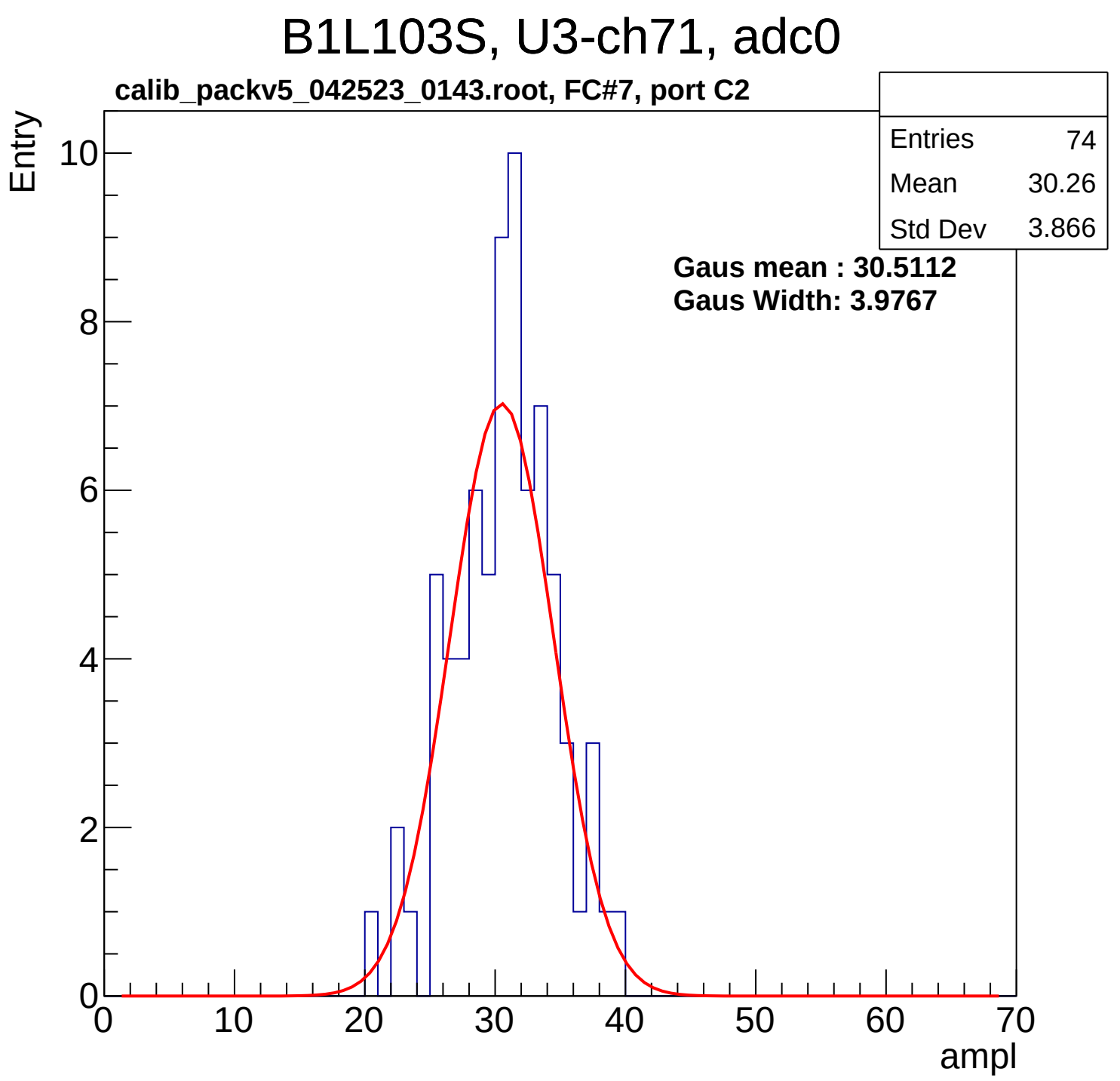
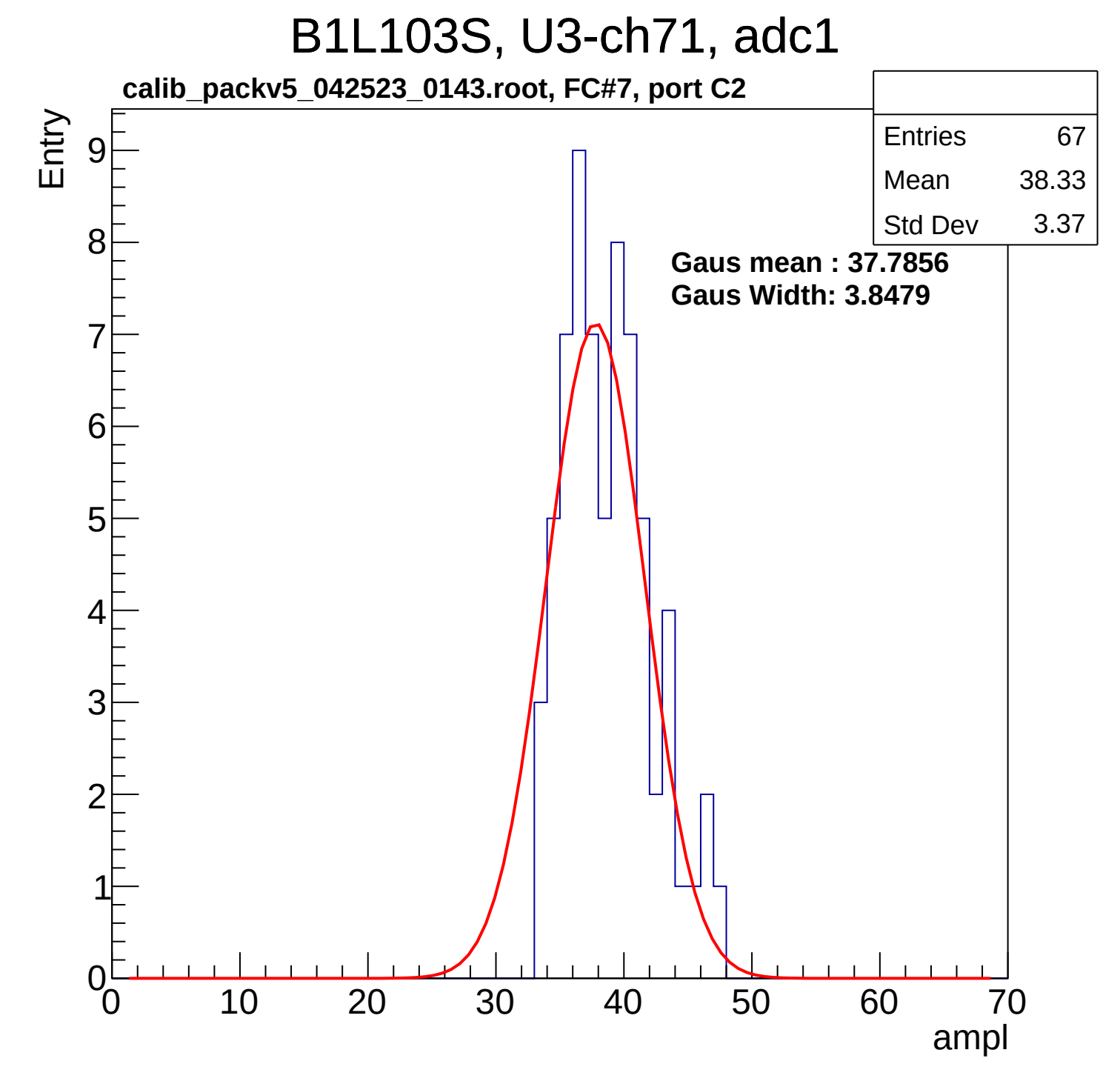
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch71, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 30.26
Std Dev 3.866
Gaus mean : 30.5112
Gaus Width: 3.9767
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch71, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 38.33
Std Dev 3.37
Gaus mean : 37.7856
Gaus Width: 3.8479
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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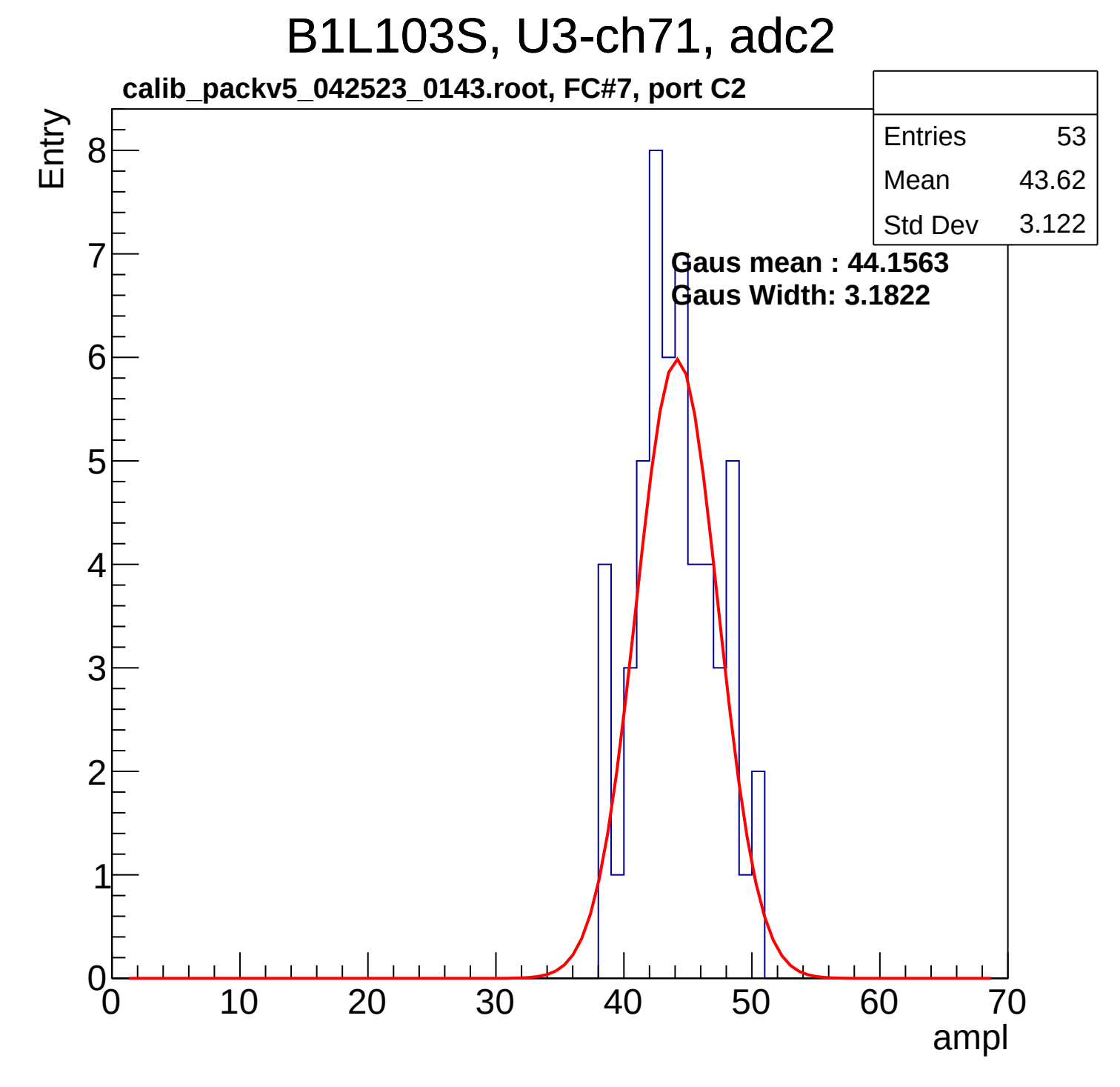
B1L103S, U3-ch71, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 43.62
Std Dev 3.122
Gaus mean : 44.1563
Gaus Width: 3.1822
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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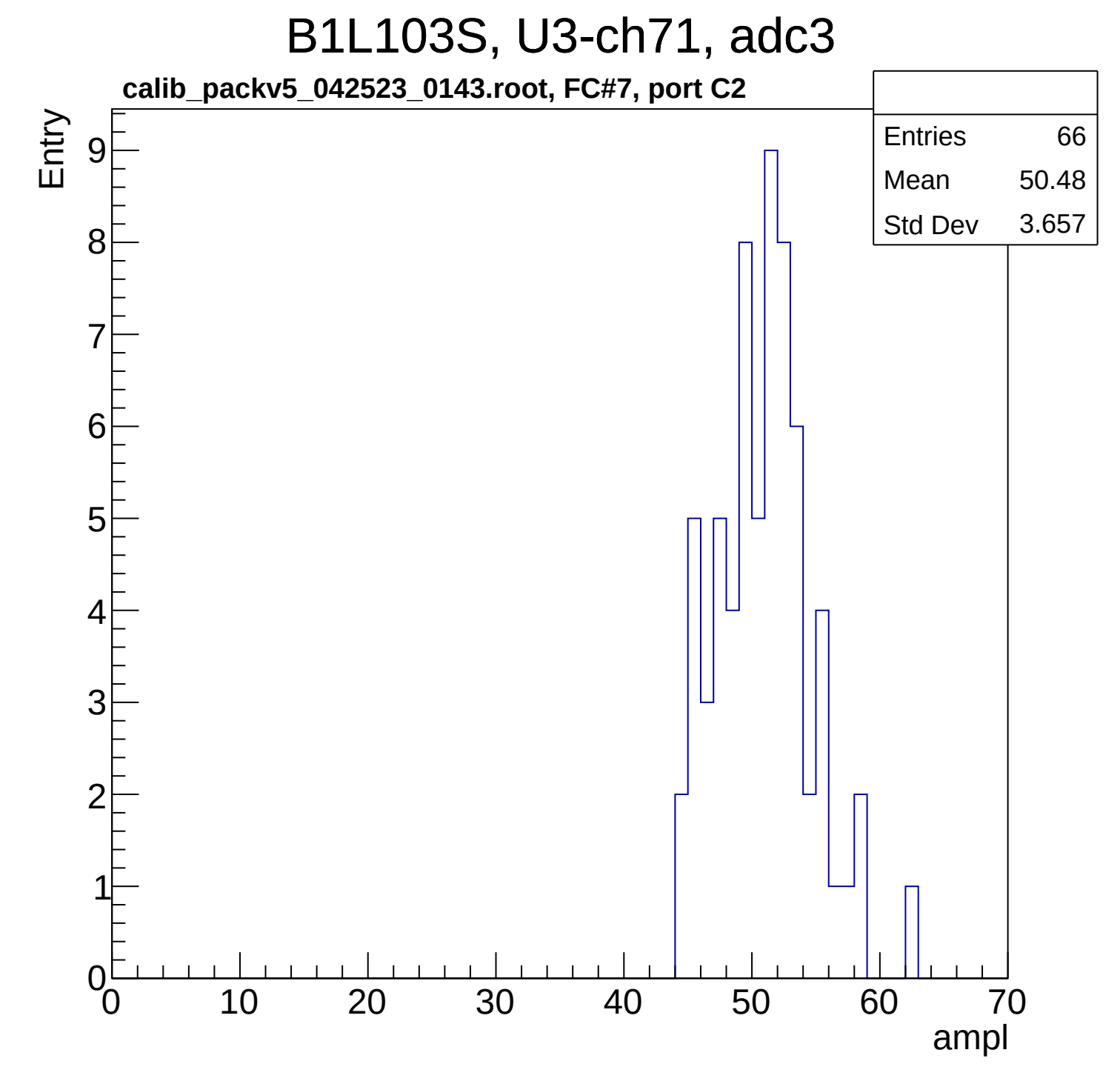
B1L103S, U3-ch71, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 50.48
Std Dev 3.657
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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60
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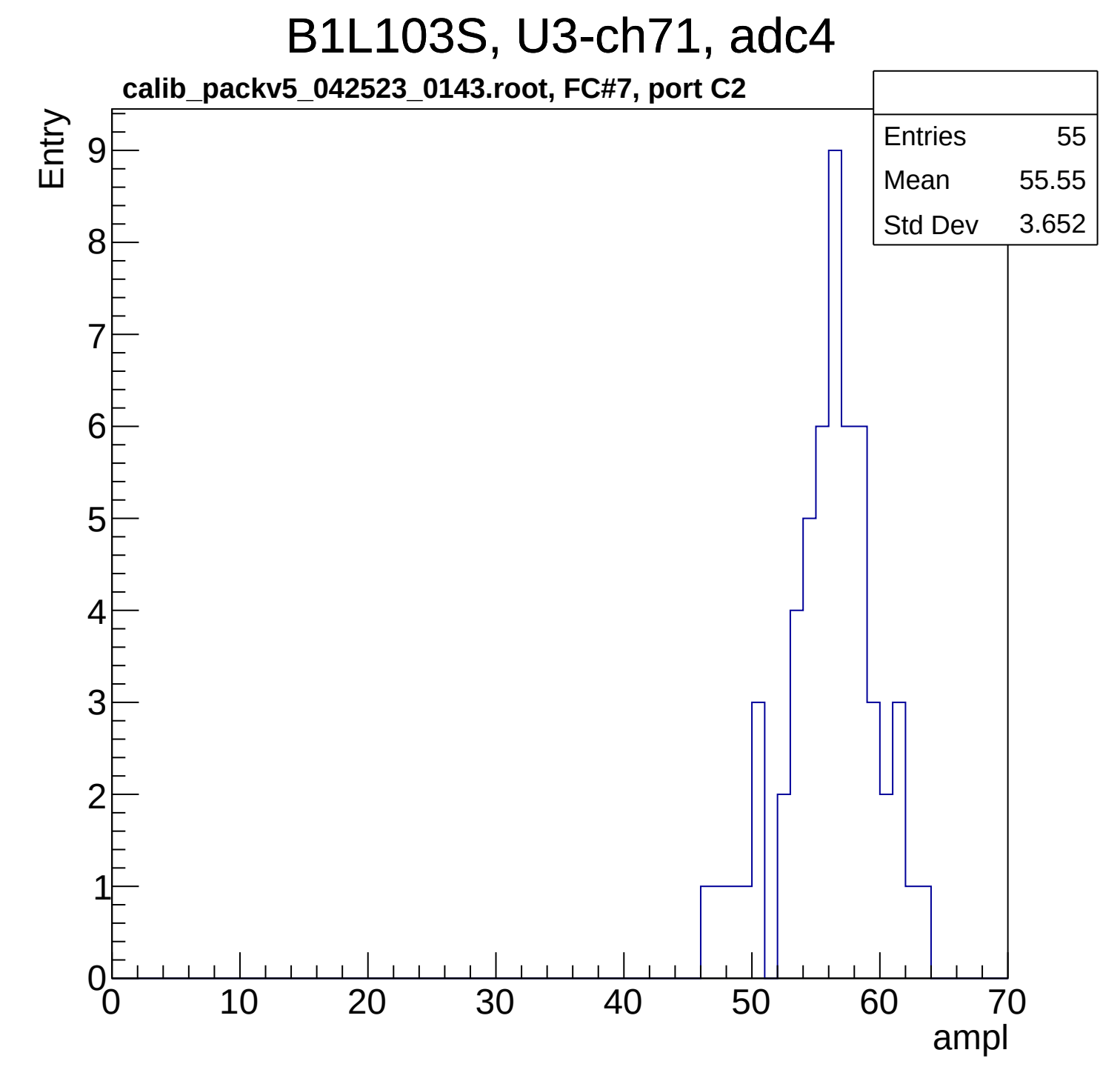
B1L103S, U3-ch71, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 55.55
Std Dev 3.652
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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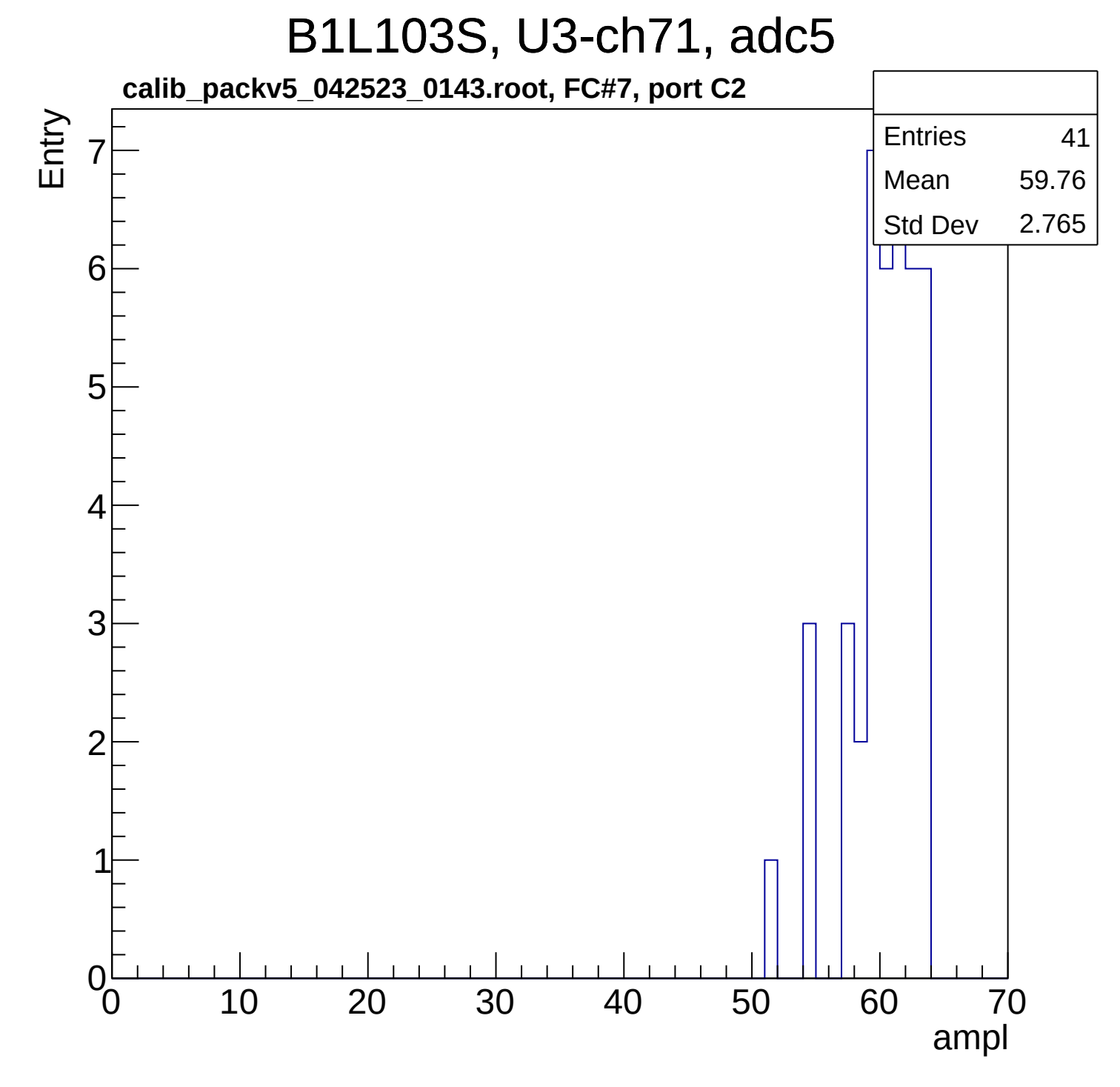
B1L103S, U3-ch71, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 41
Mean 59.76
Std Dev 2.765
Entry
ampl
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1
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3
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6
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0
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20
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40
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60
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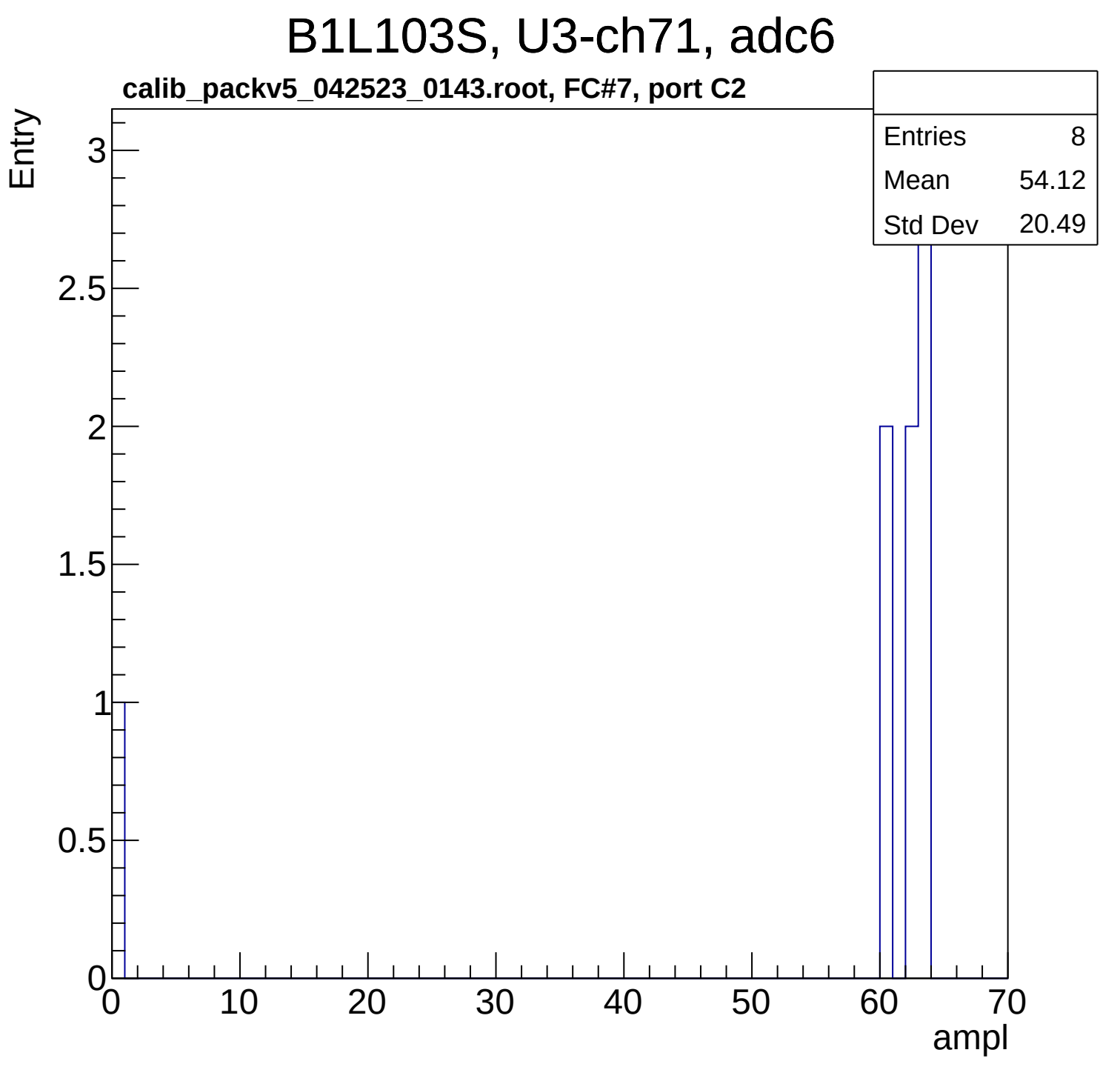
B1L103S, U3-ch71, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 54.12
Std Dev 20.49
Entry
ampl
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1
1.5
2
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0
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20
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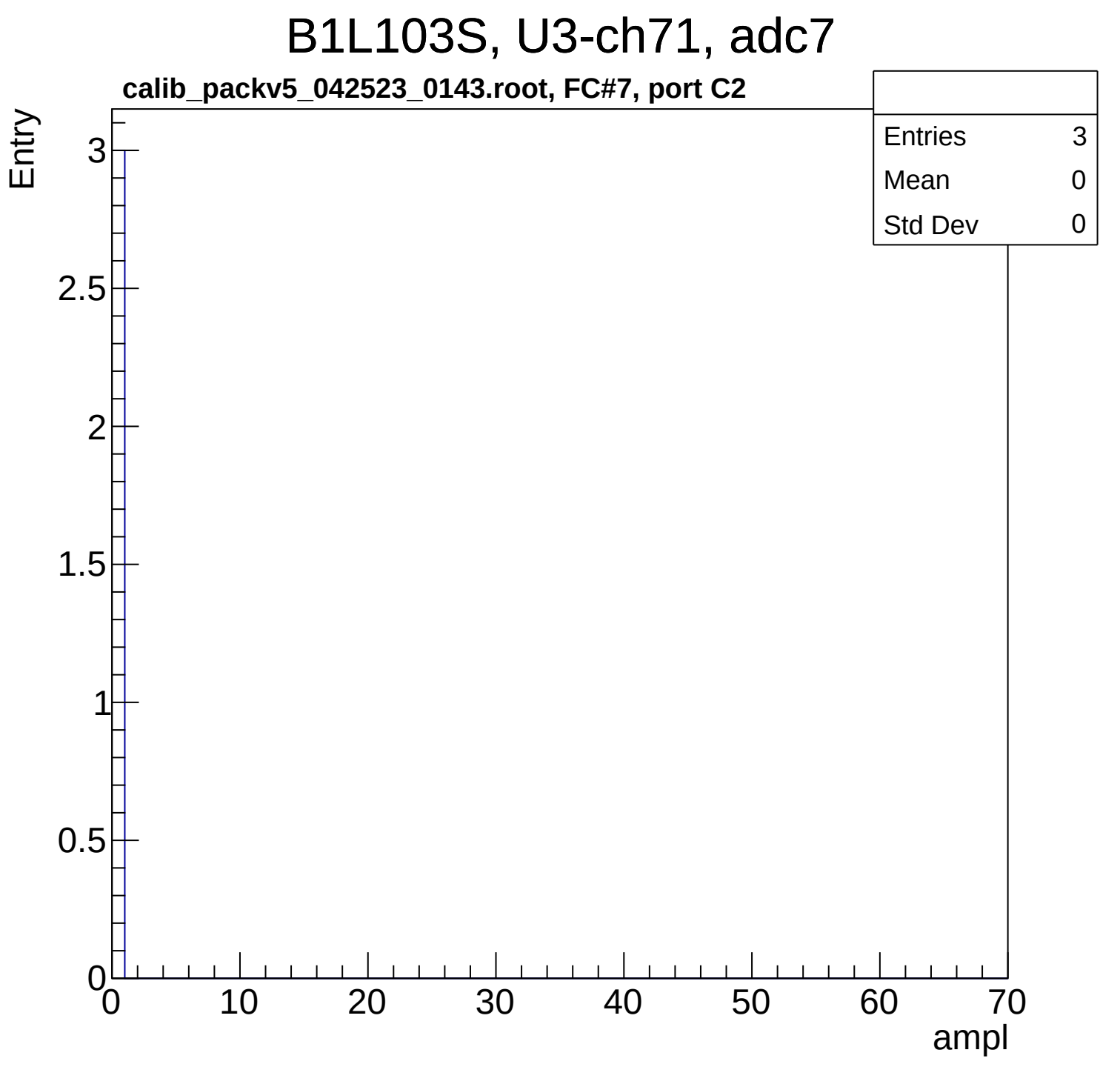
40
50
60
70


B1L103S, U3-ch71, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 0
Std Dev 0
Entry
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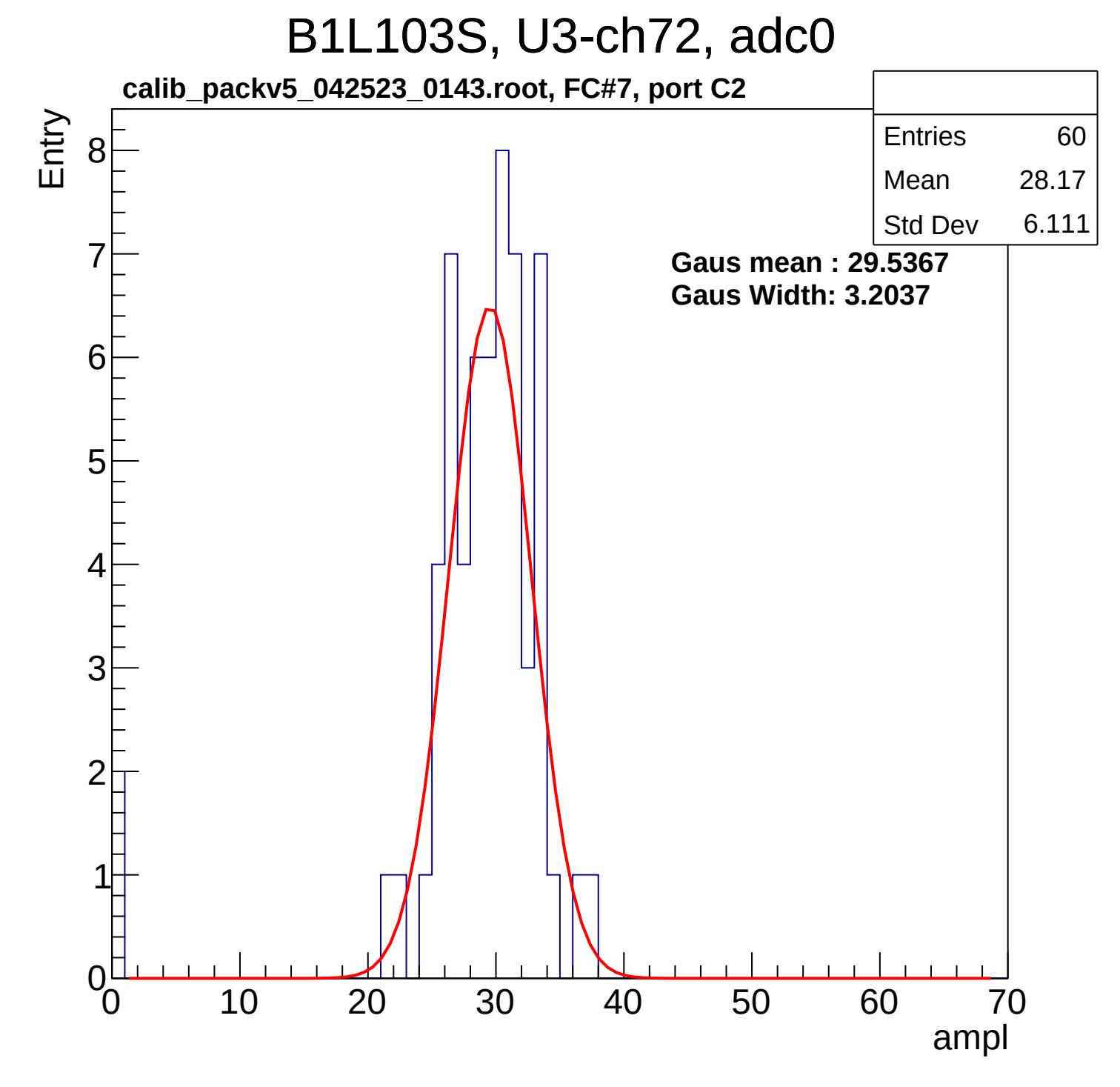
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch72, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 28.17
Std Dev 6.111
Gaus mean : 29.5367
Gaus Width: 3.2037
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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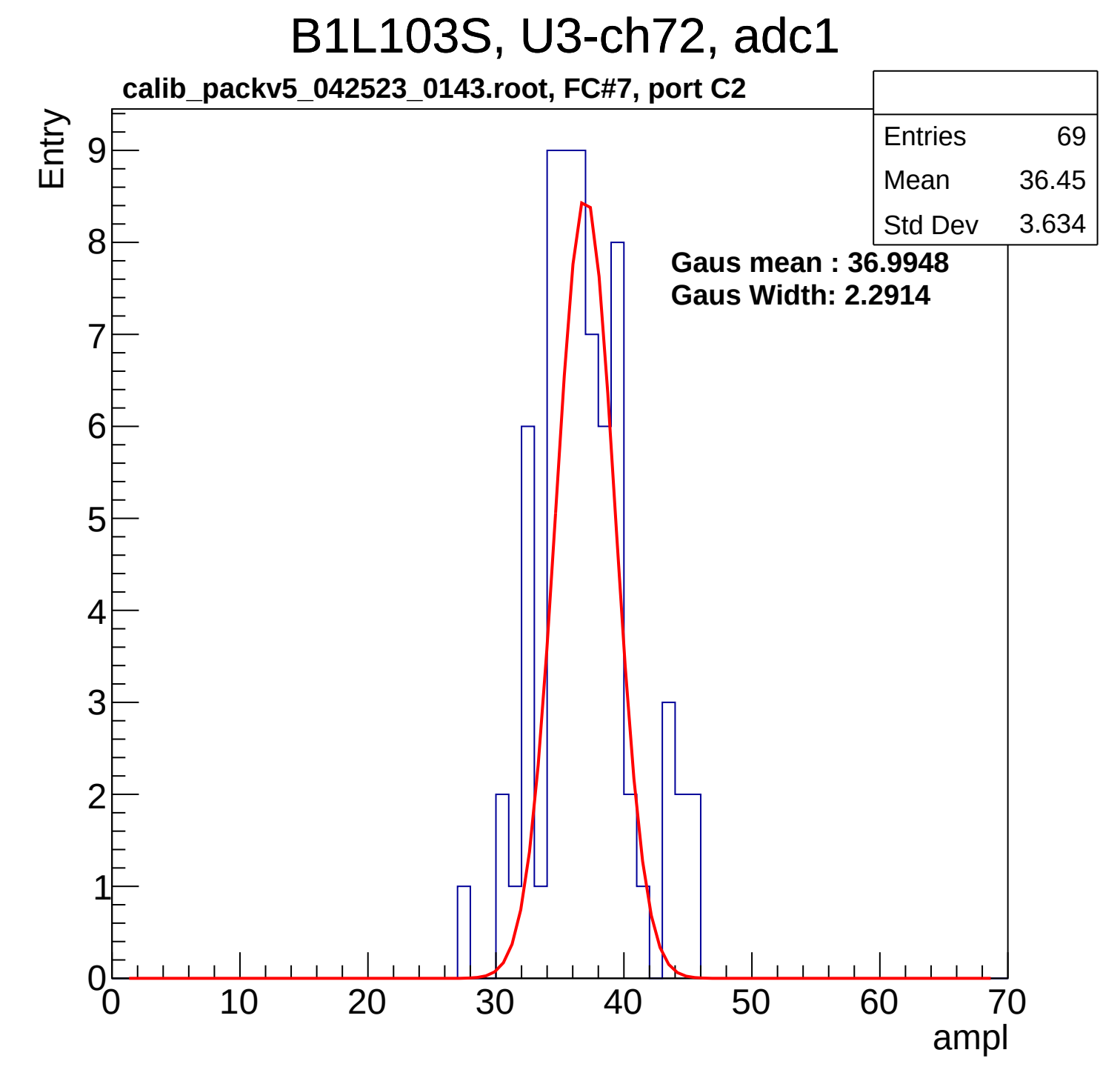
40
50
60
70


B1L103S, U3-ch72, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 36.45
Std Dev 3.634
Gaus mean : 36.9948
Gaus Width: 2.2914
Entry
ampl
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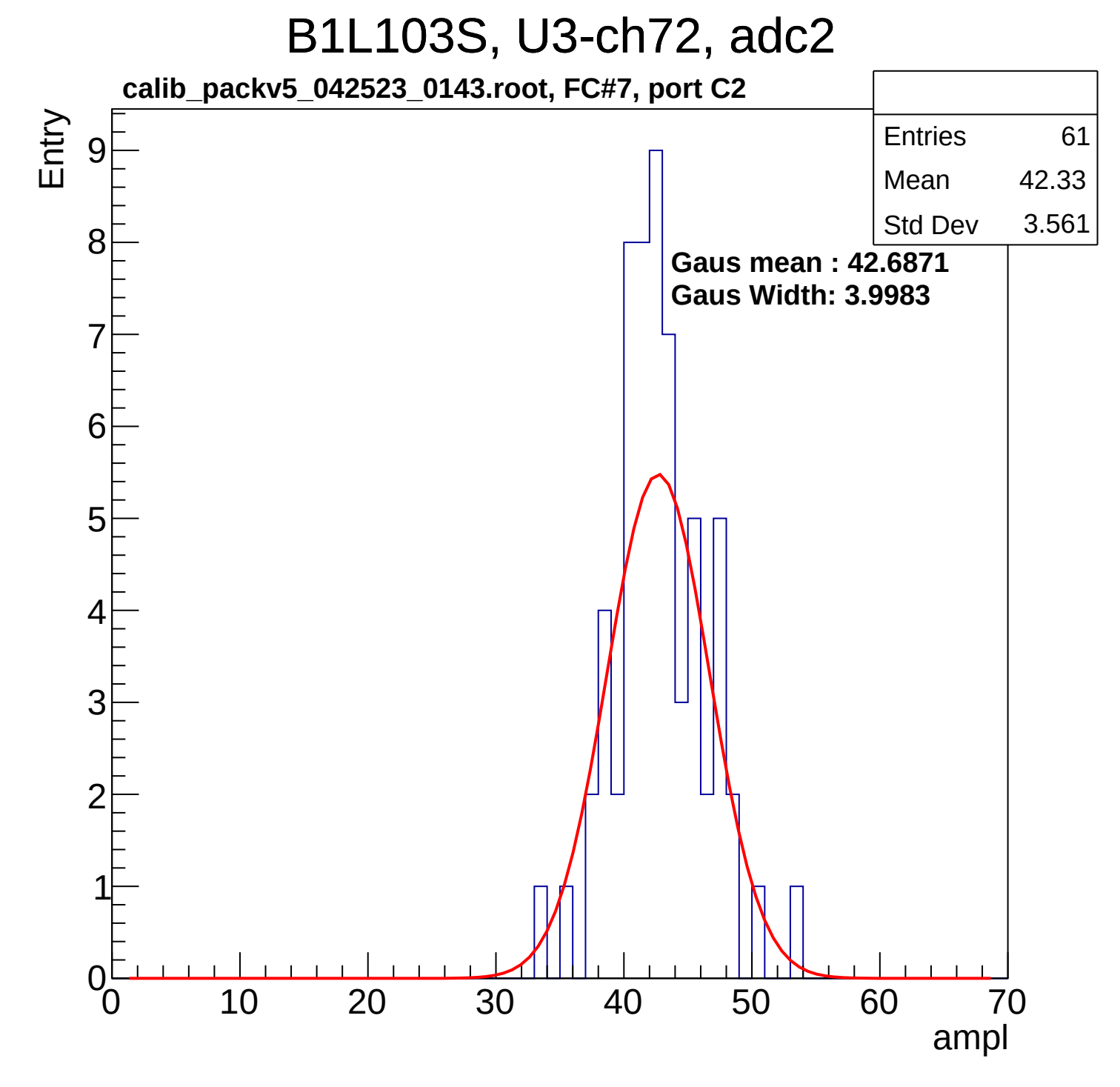
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch72, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 42.33
Std Dev 3.561
Gaus mean : 42.6871
Gaus Width: 3.9983
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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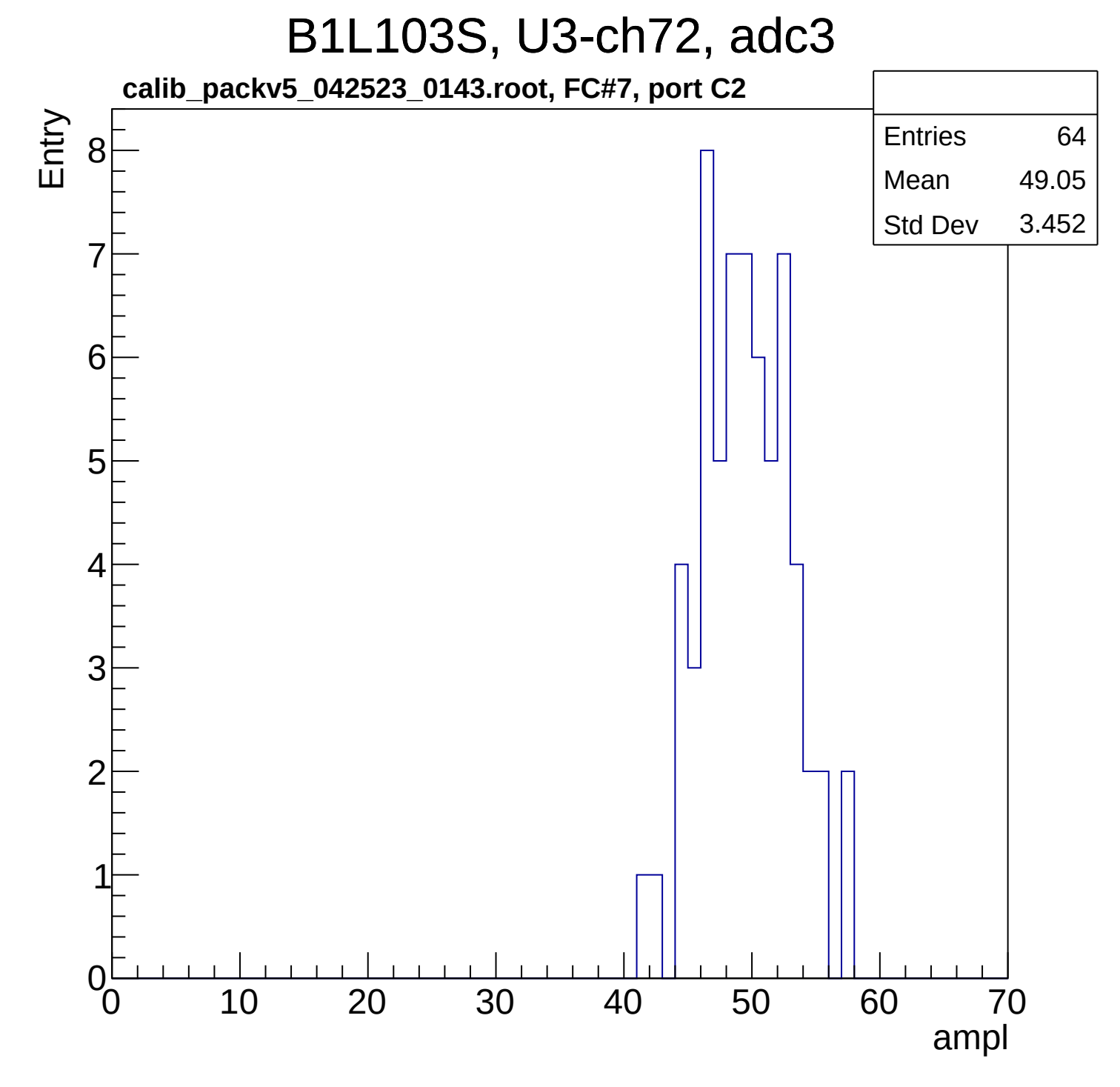
B1L103S, U3-ch72, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 49.05
Std Dev 3.452
Entry
ampl
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3
4
5
6
7
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0
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20
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40
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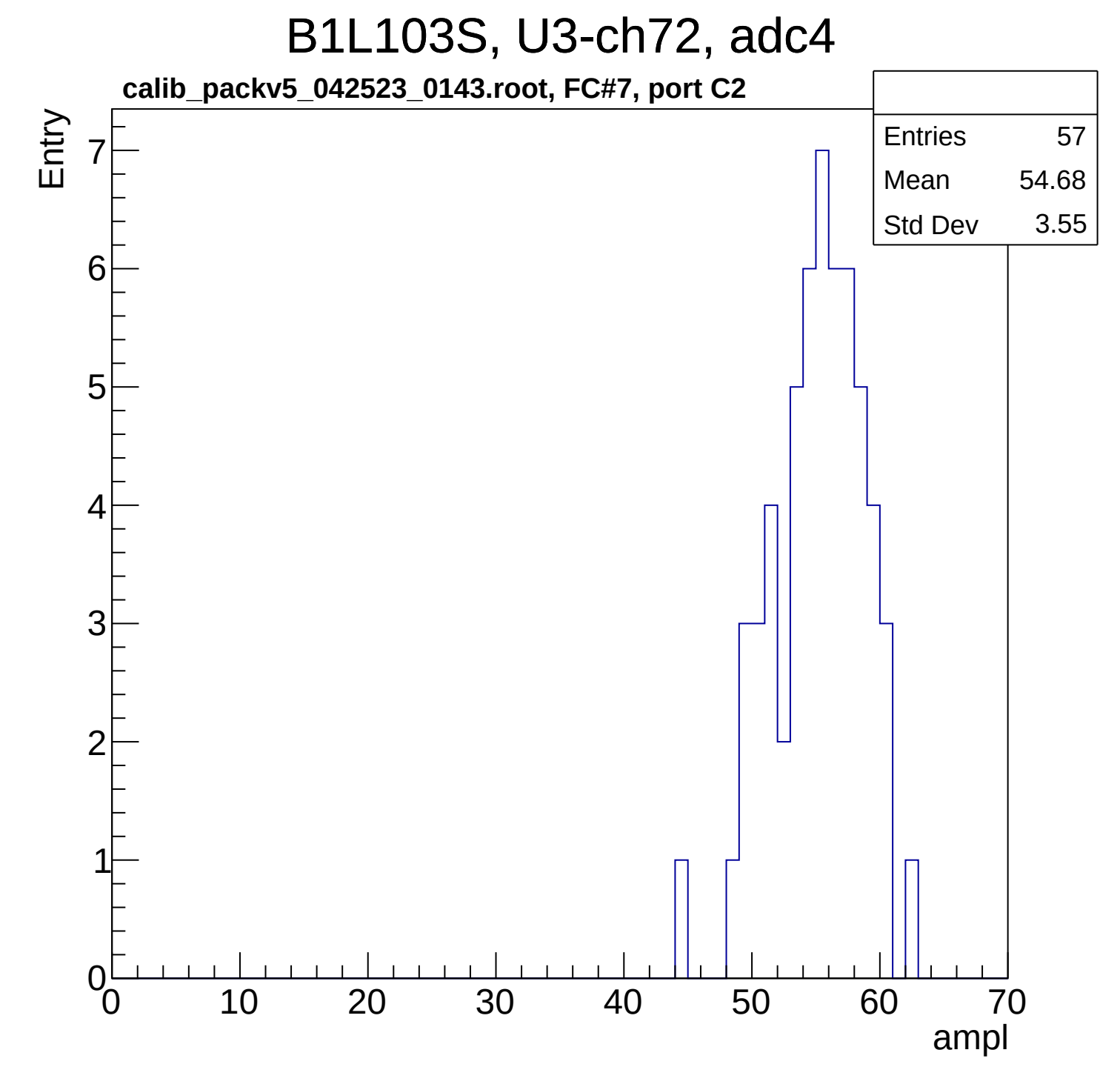
60
70


B1L103S, U3-ch72, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 54.68
Std Dev 3.55
Entry
ampl
0
1
2
3
4
5
6
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0
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20
30
40
50
60
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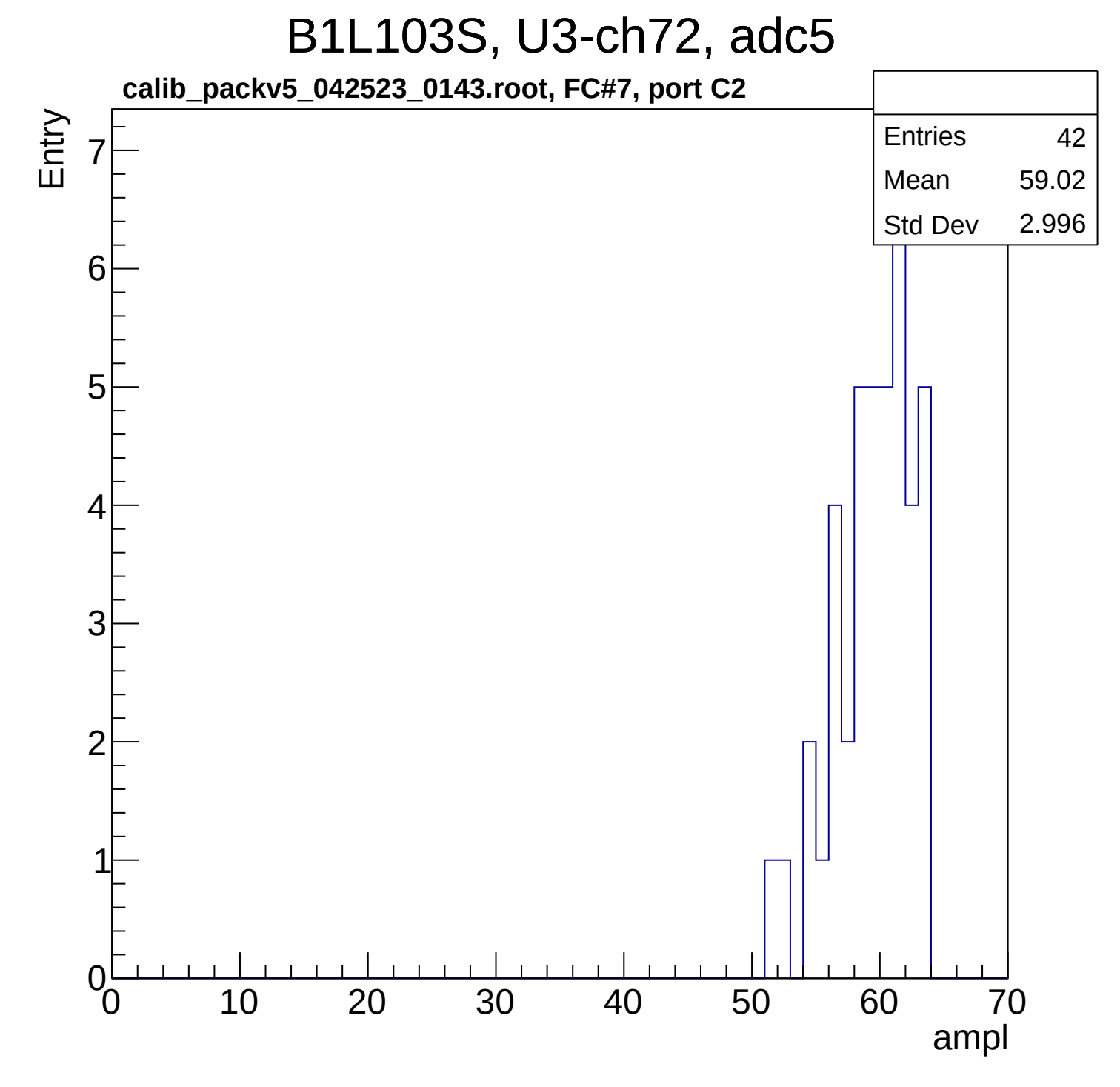
B1L103S, U3-ch72, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 42
Mean 59.02
Std Dev 2.996
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
30
40
50
60
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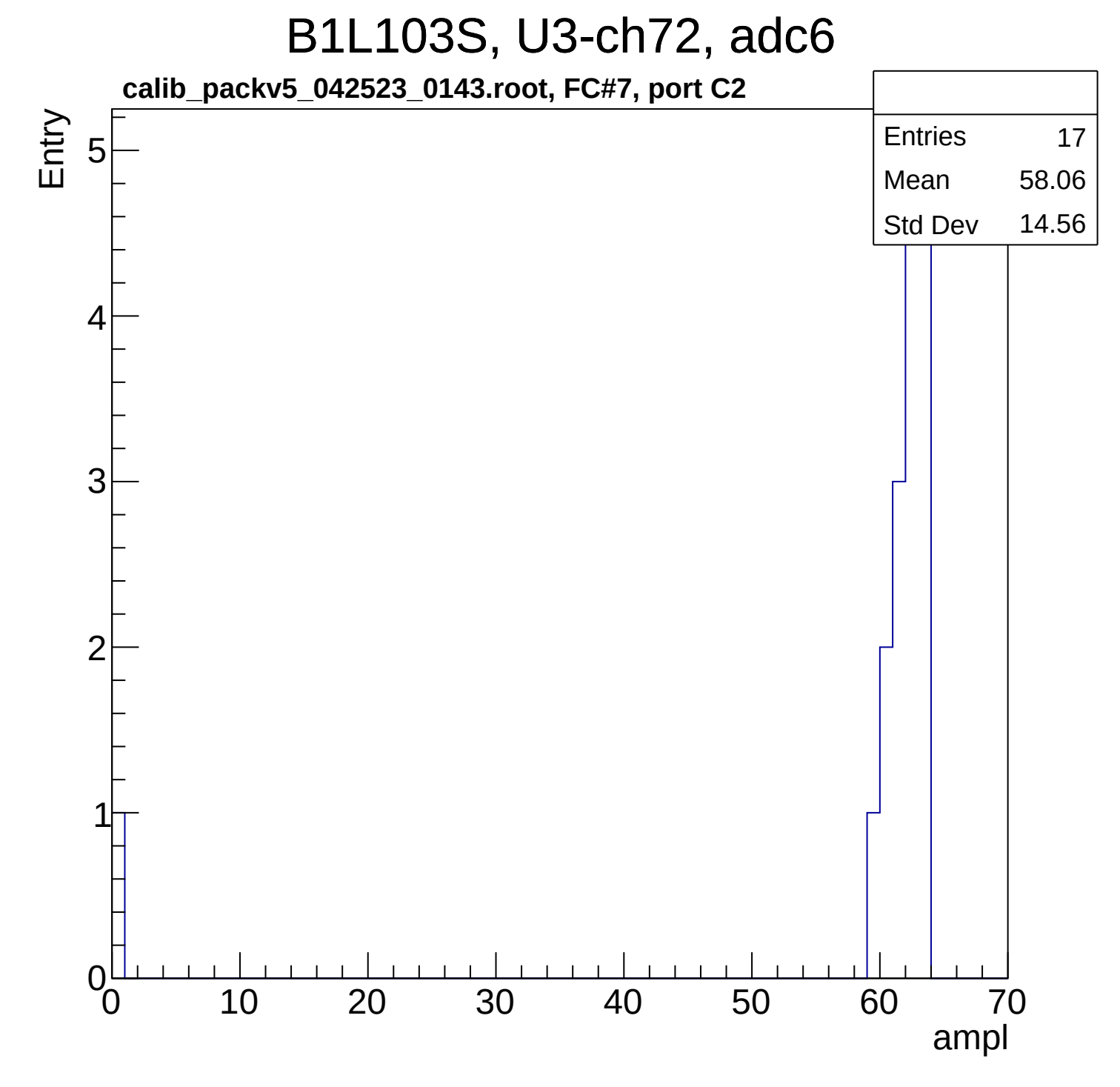
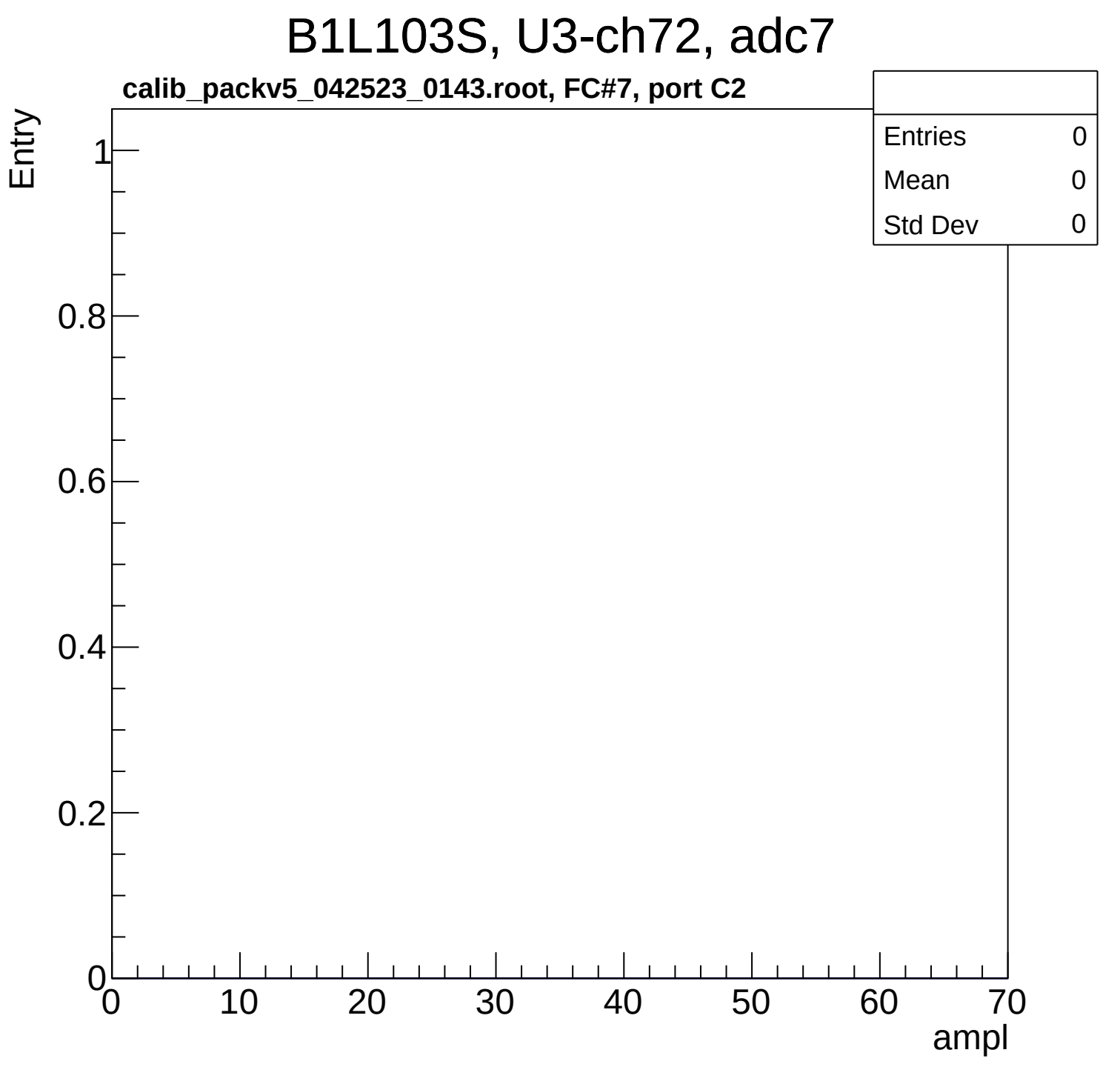

B1L103S, U3-ch72, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 17
Mean 58.06
Std Dev 14.56
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch72, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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0.6
0.4
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10
20
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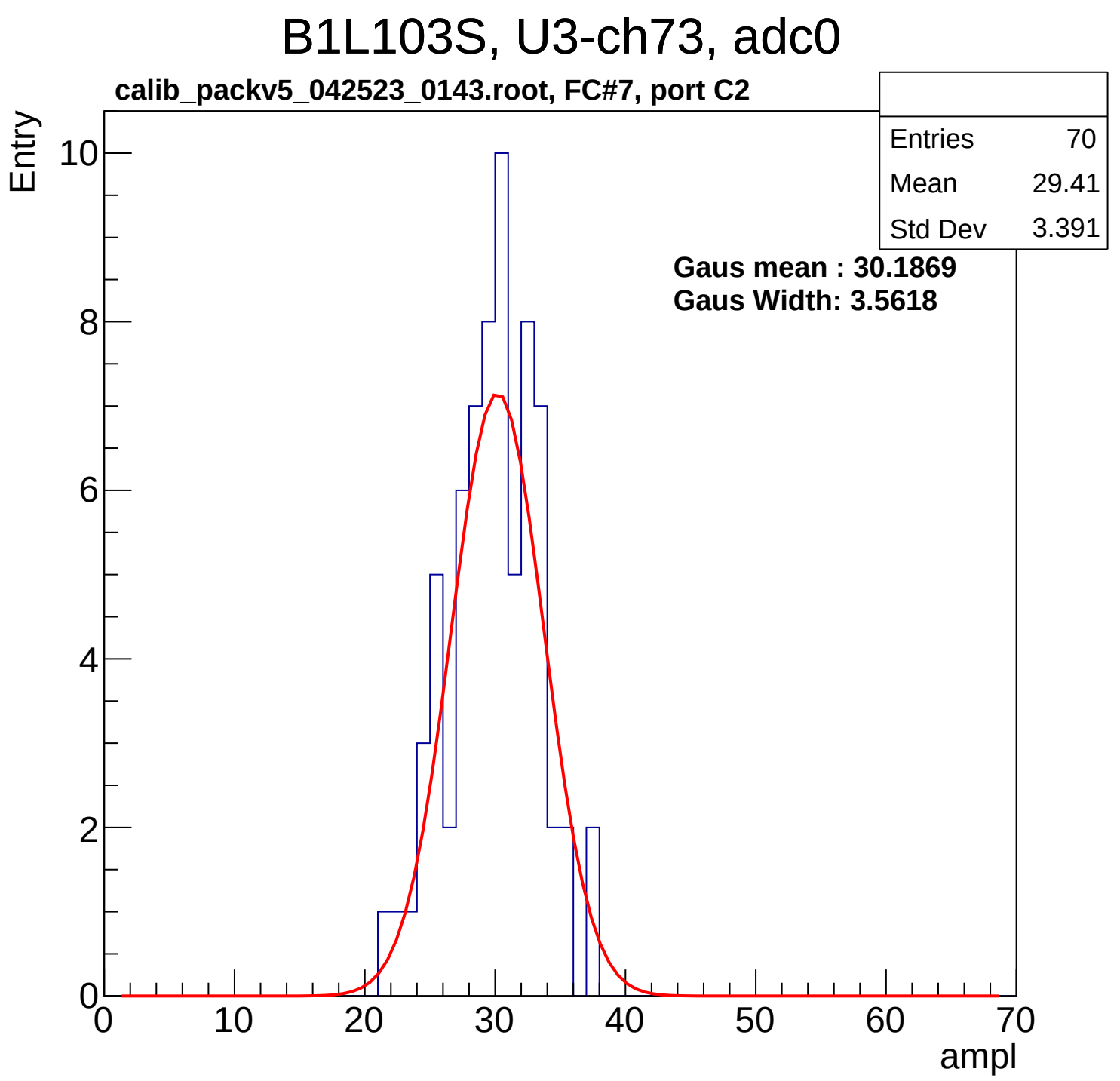
70
ampl


B1L103S, U3-ch73, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 29.41
Std Dev 3.391
Gaus mean : 30.1869
Gaus Width: 3.5618
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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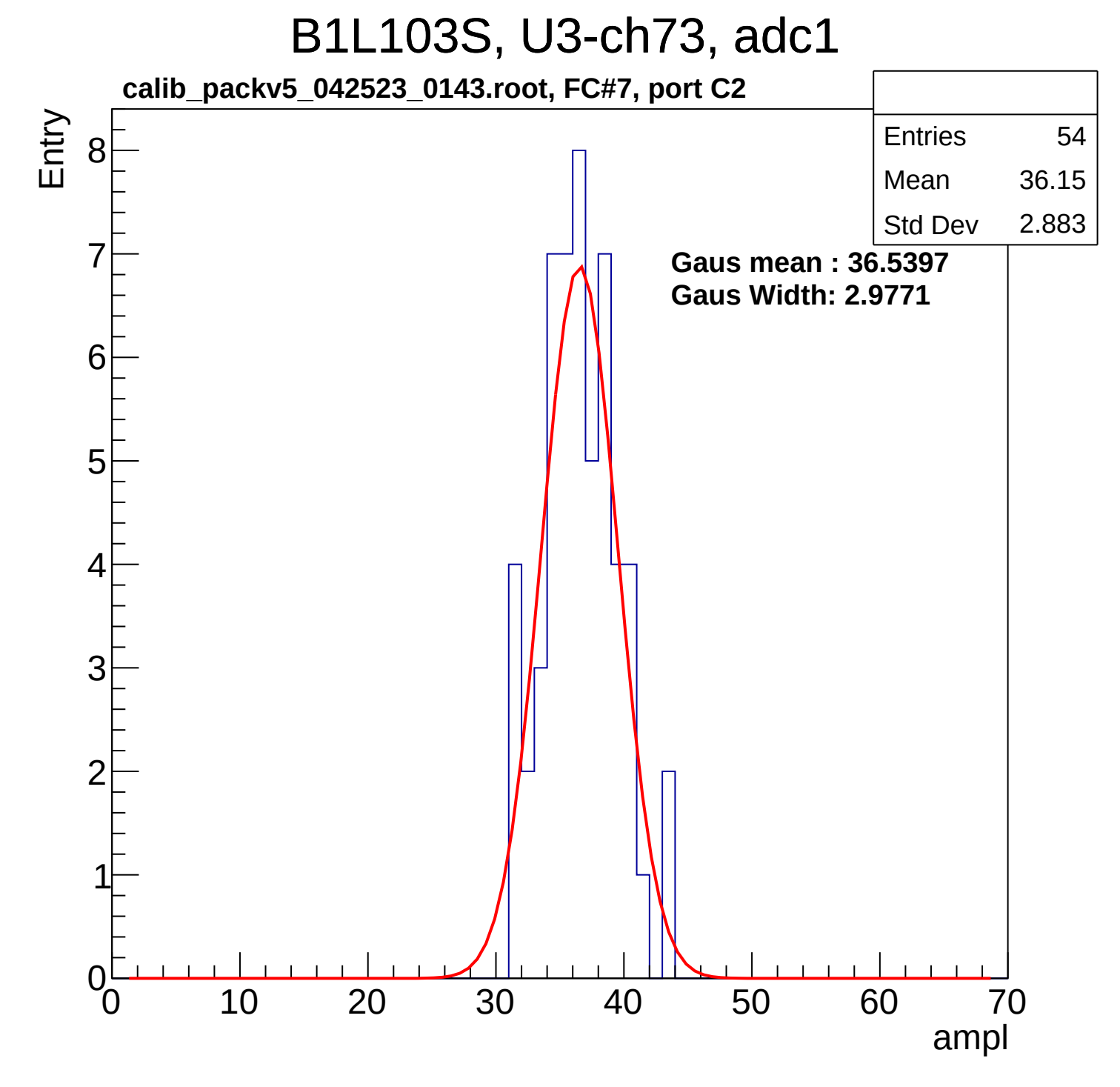
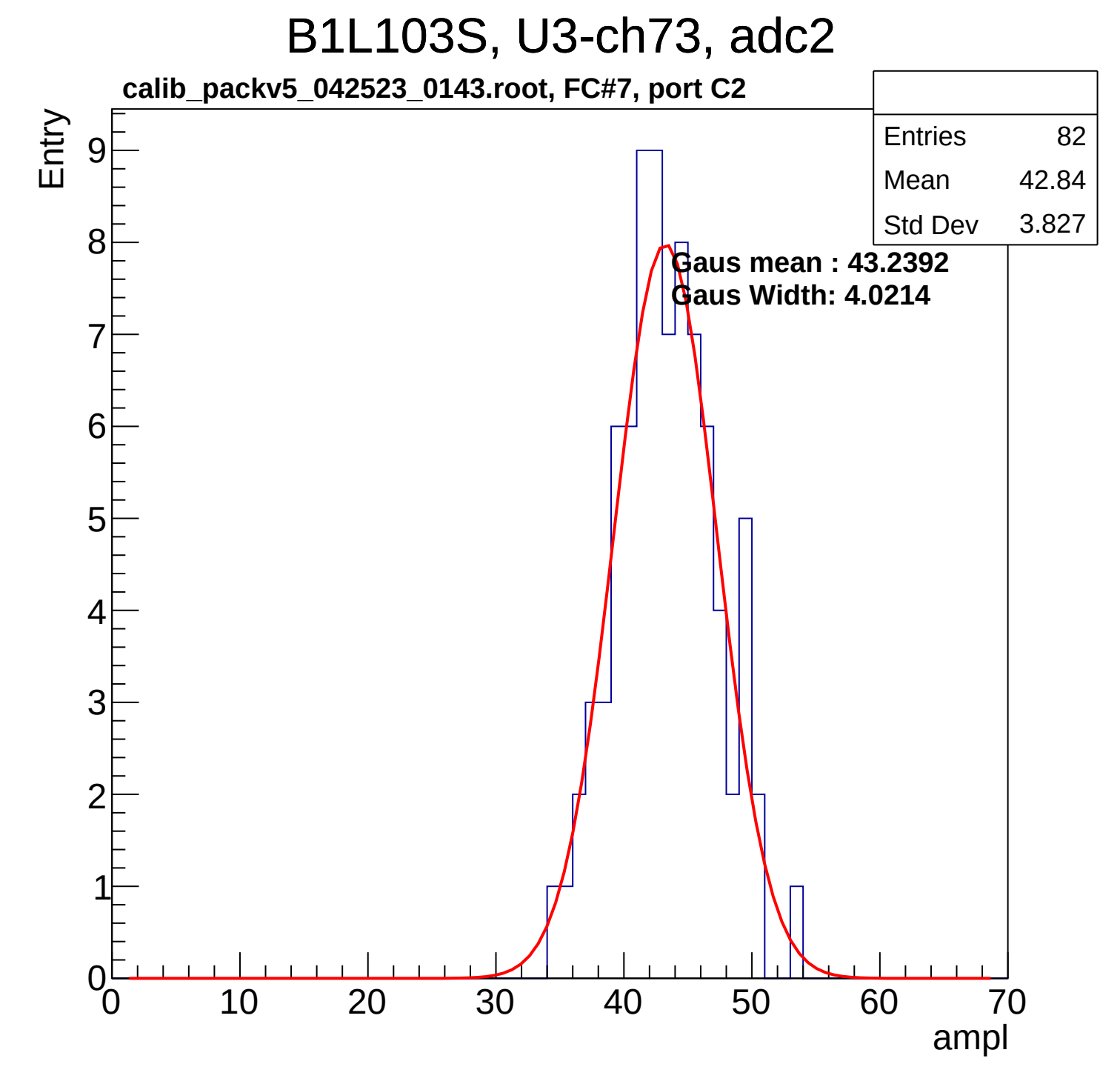

B1L103S, U3-ch73, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 36.15
Std Dev 2.883
Gaus mean : 36.5397
Gaus Width: 2.9771
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch73, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 82
Mean 42.84
Std Dev 3.827
Gaus mean : 43.2392
Gaus Width: 4.0214
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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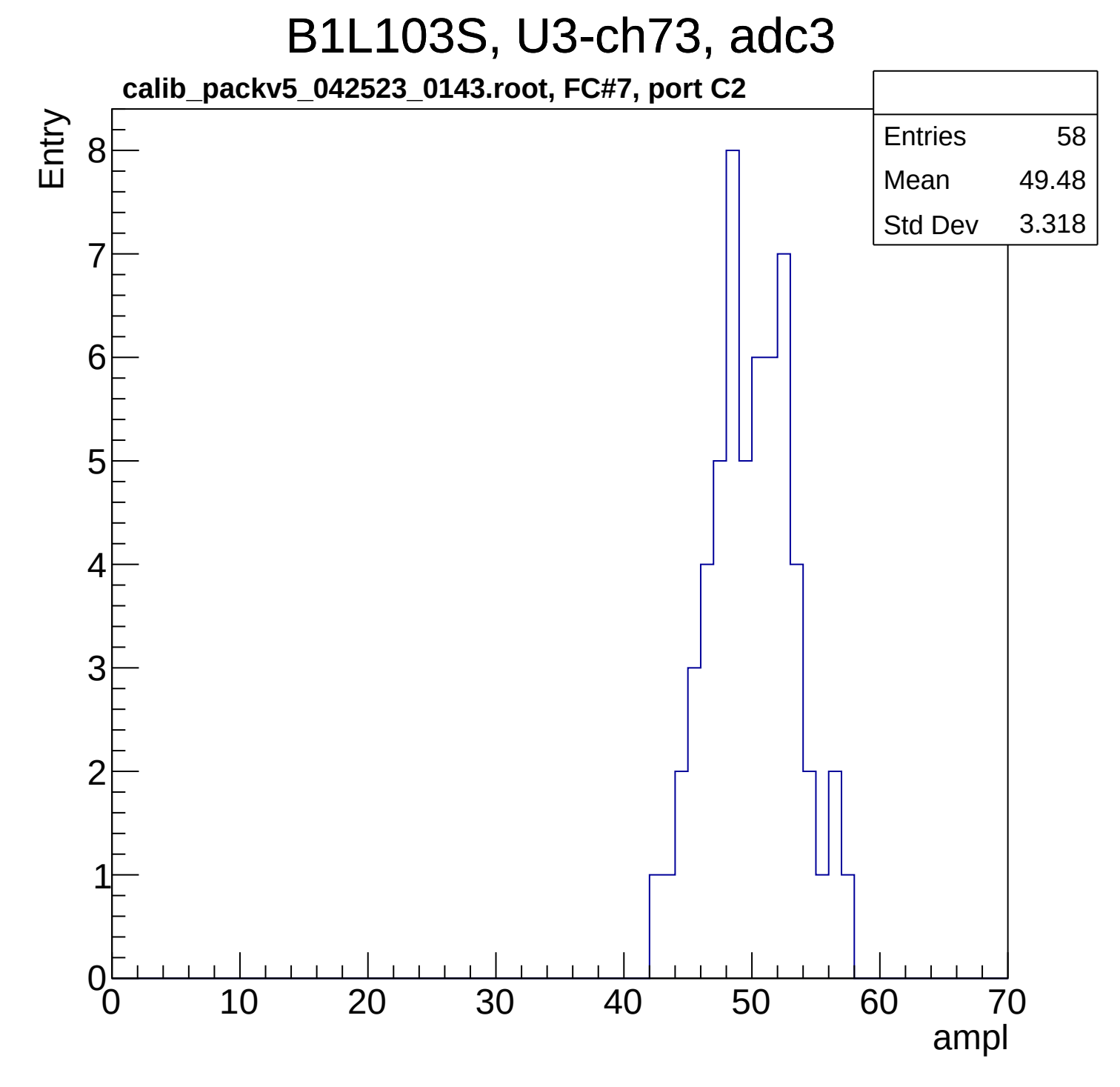
B1L103S, U3-ch73, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 49.48
Std Dev 3.318
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
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40
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60
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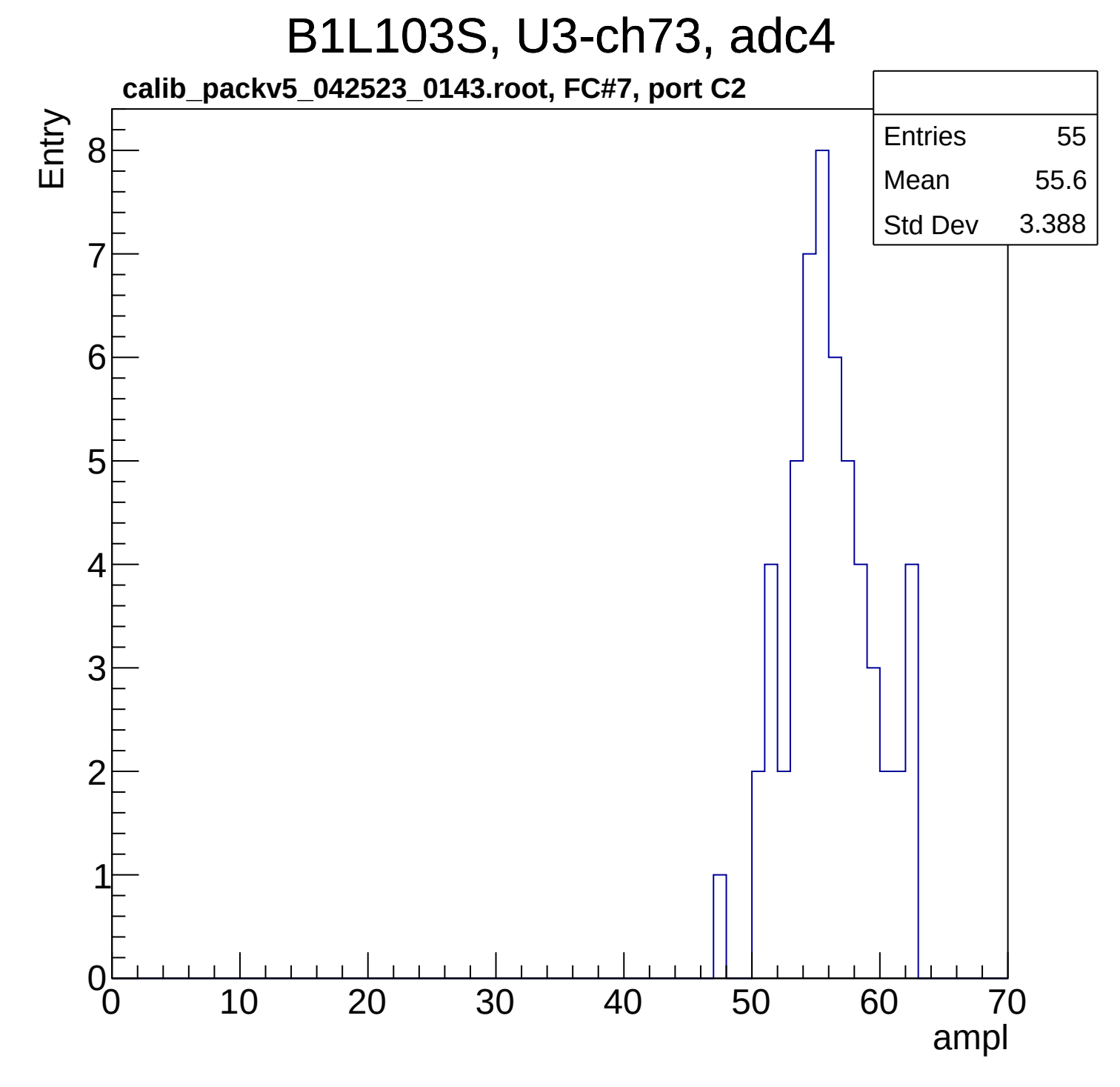
B1L103S, U3-ch73, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 55.6
Std Dev 3.388
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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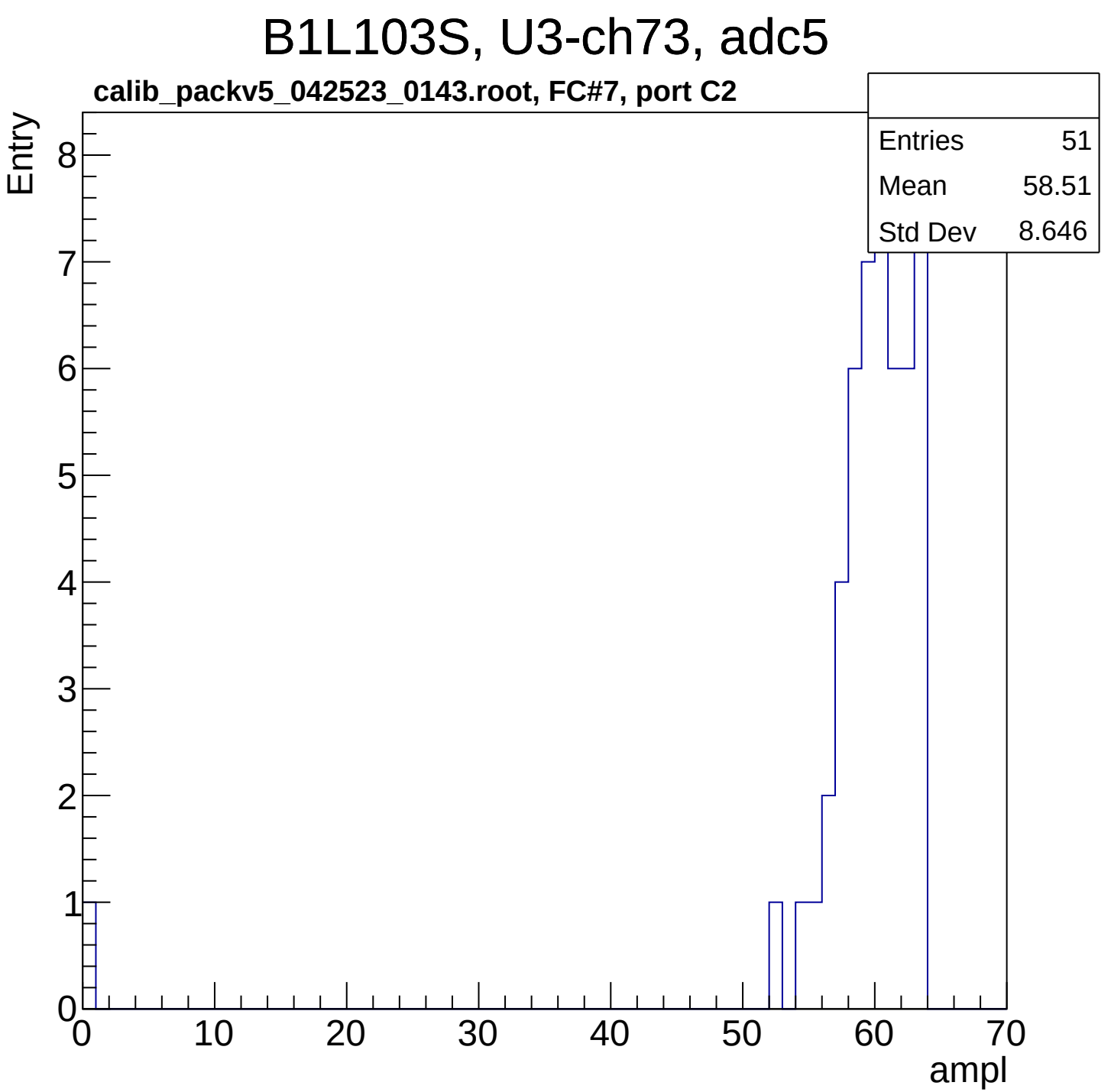
B1L103S, U3-ch73, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 58.51
Std Dev 8.646
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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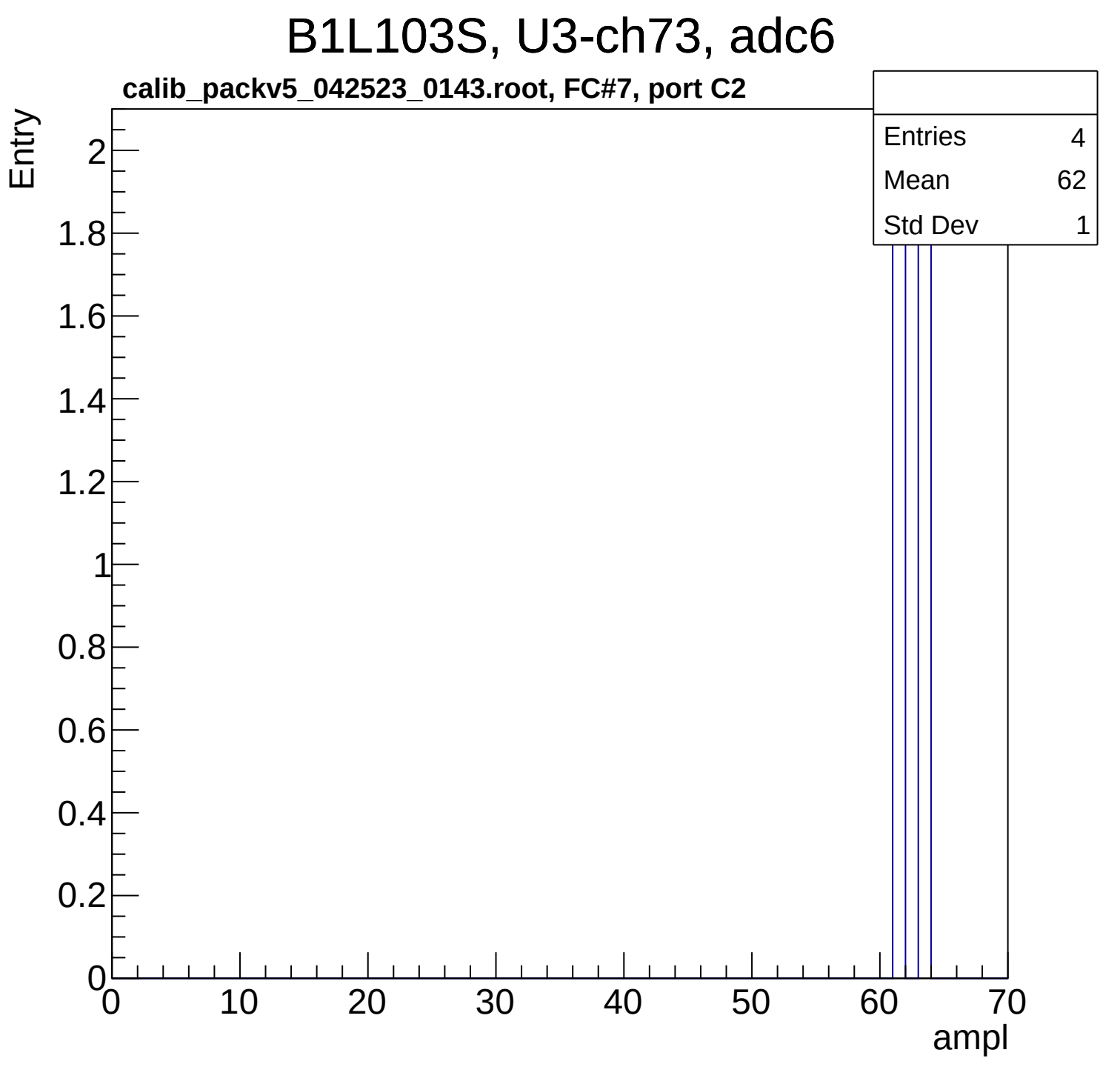
B1L103S, U3-ch73, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 62
Std Dev 1
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
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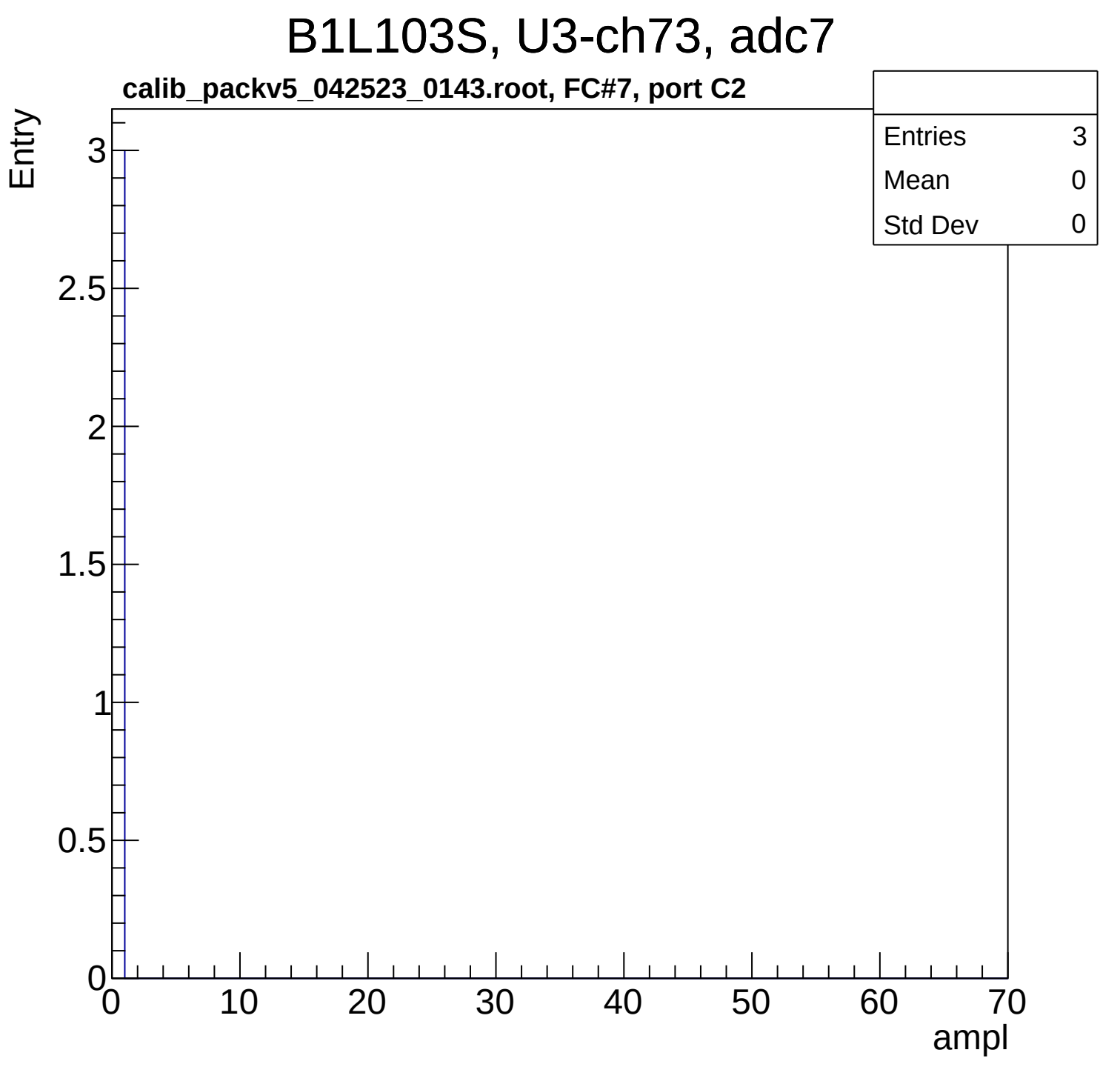
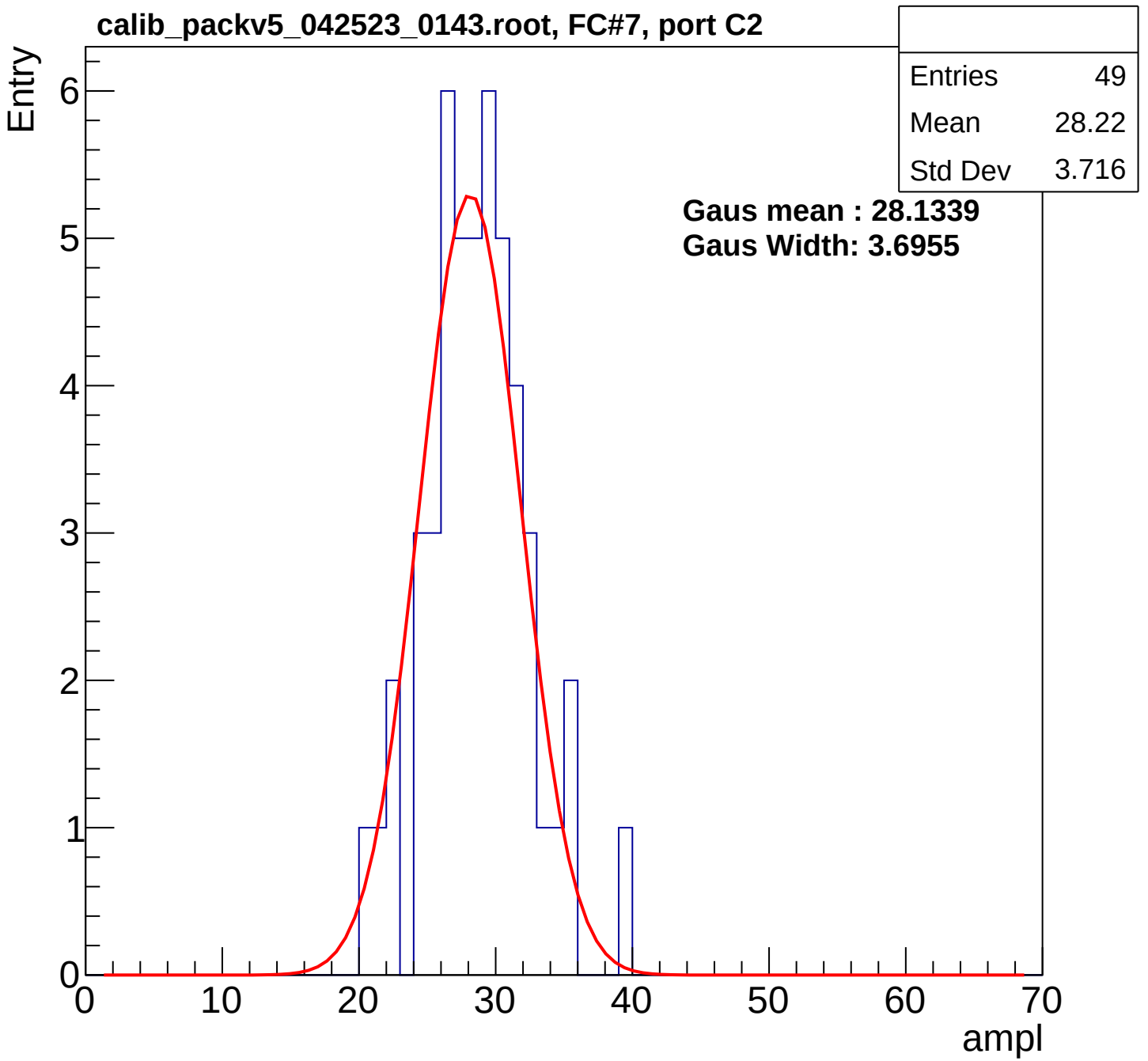
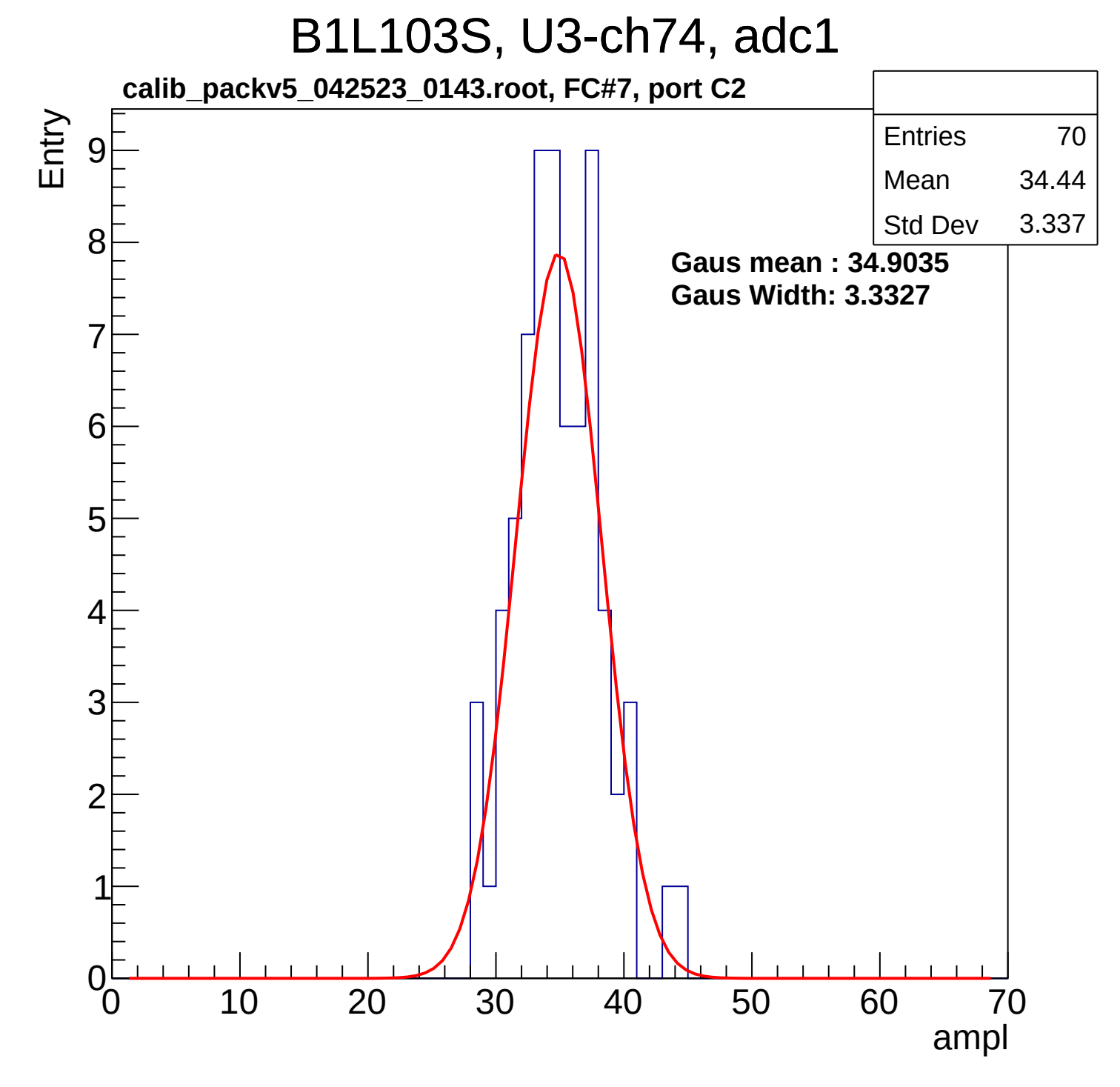

B1L103S, U3-ch73, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 0
Std Dev 0
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch74, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 28.22
Std Dev 3.716
Gaus mean : 28.1339
Gaus Width: 3.6955
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch74, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 34.44
Std Dev 3.337
Gaus mean : 34.9035
Gaus Width: 3.3327
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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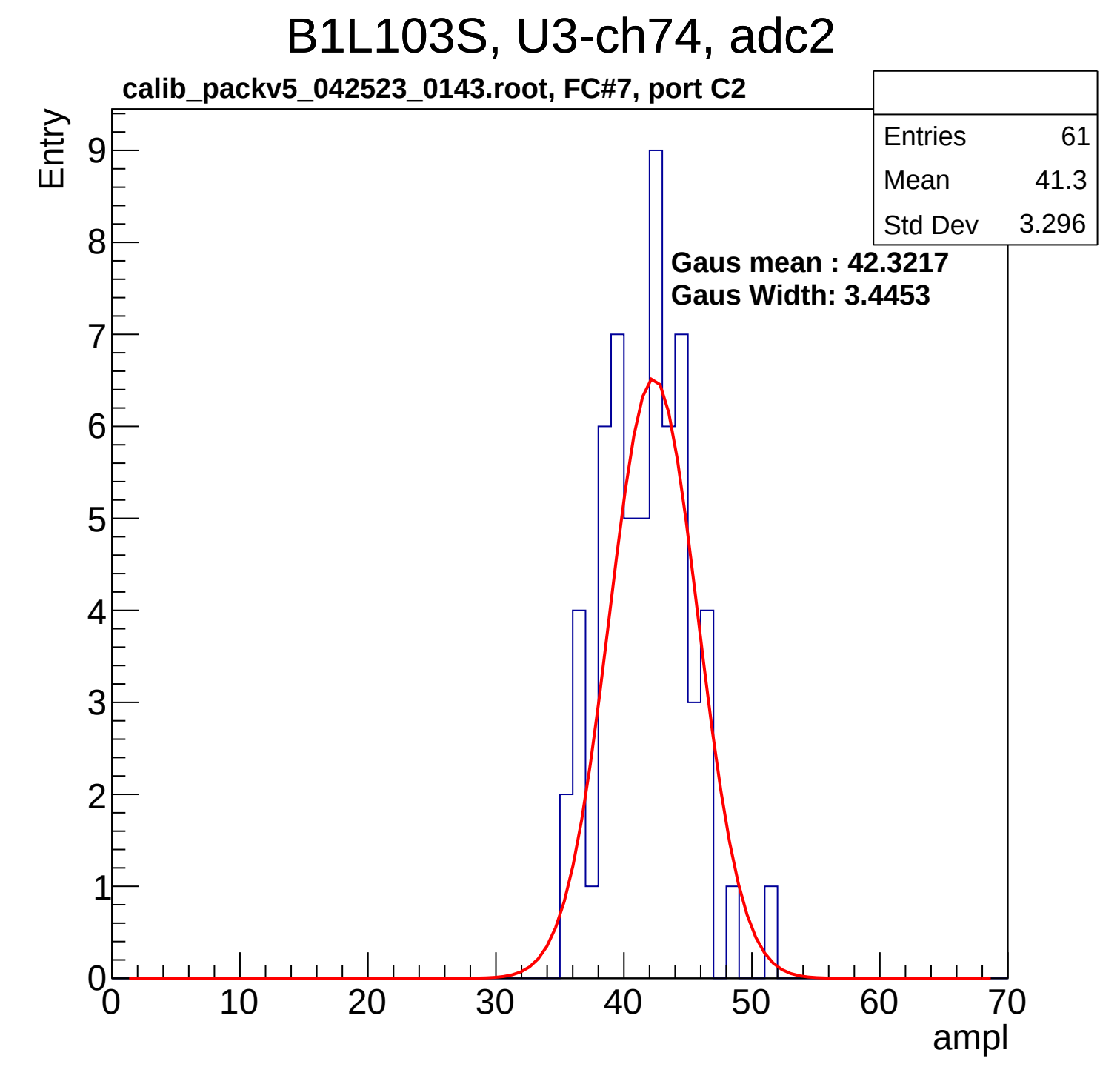
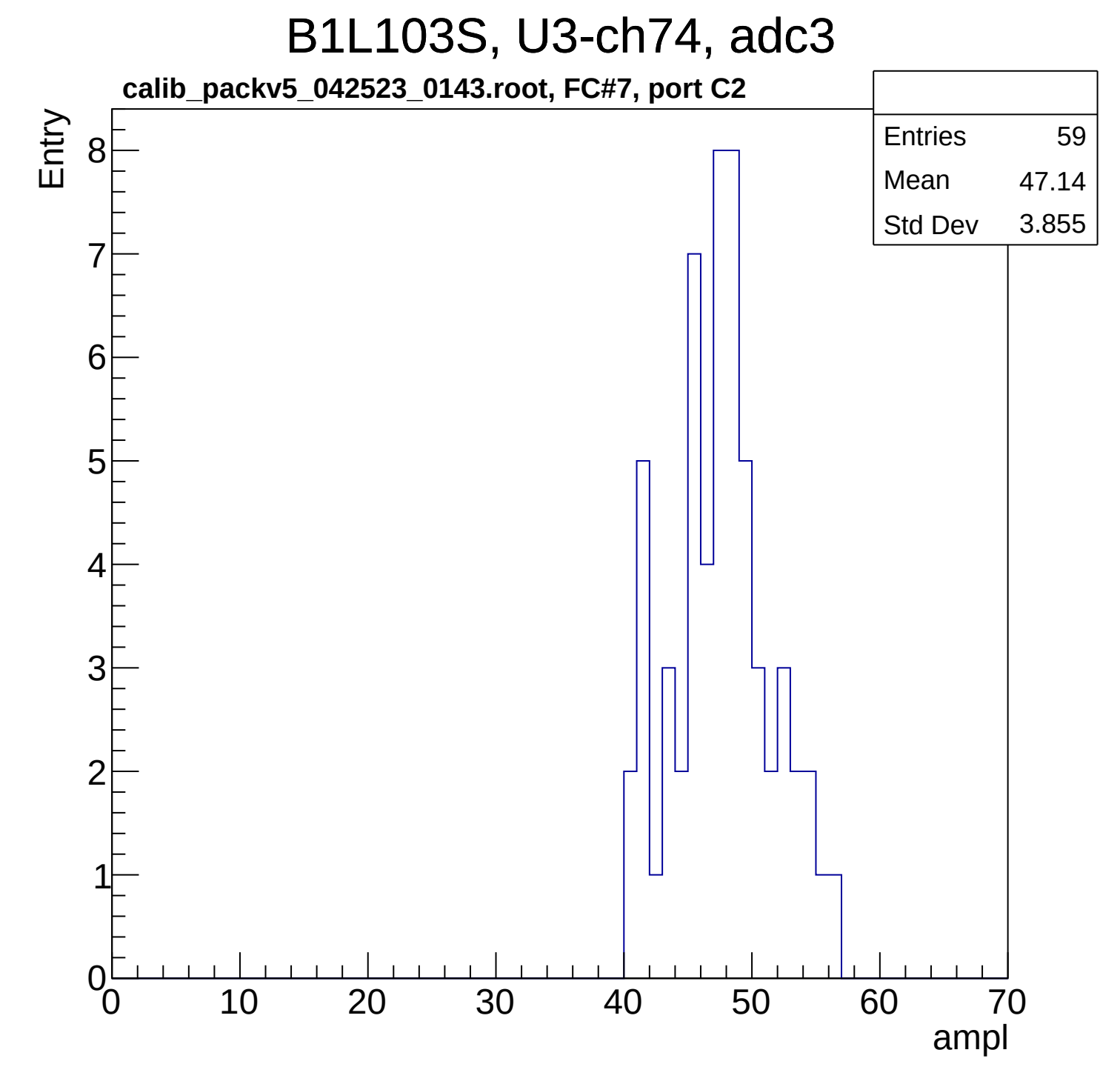
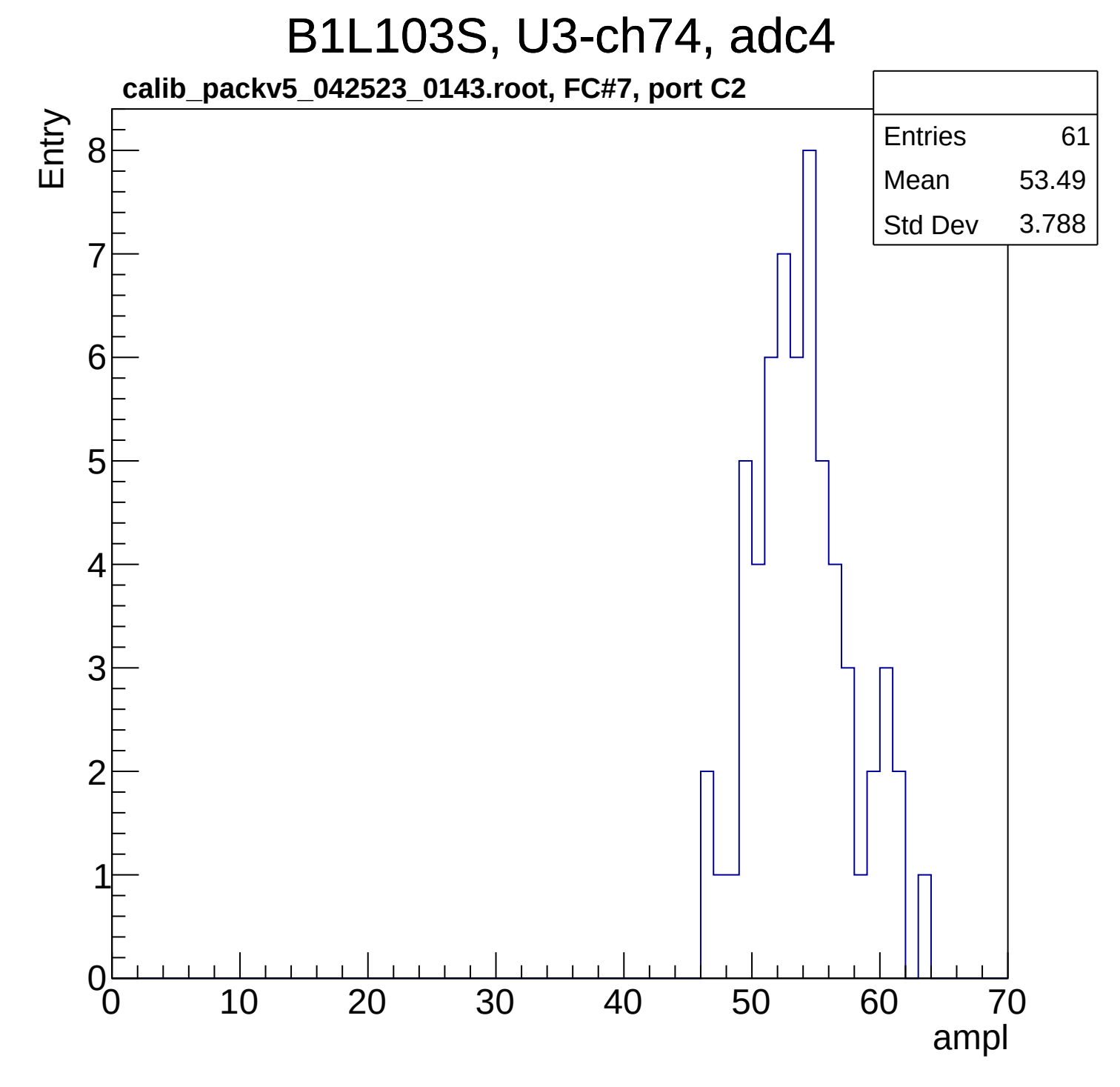
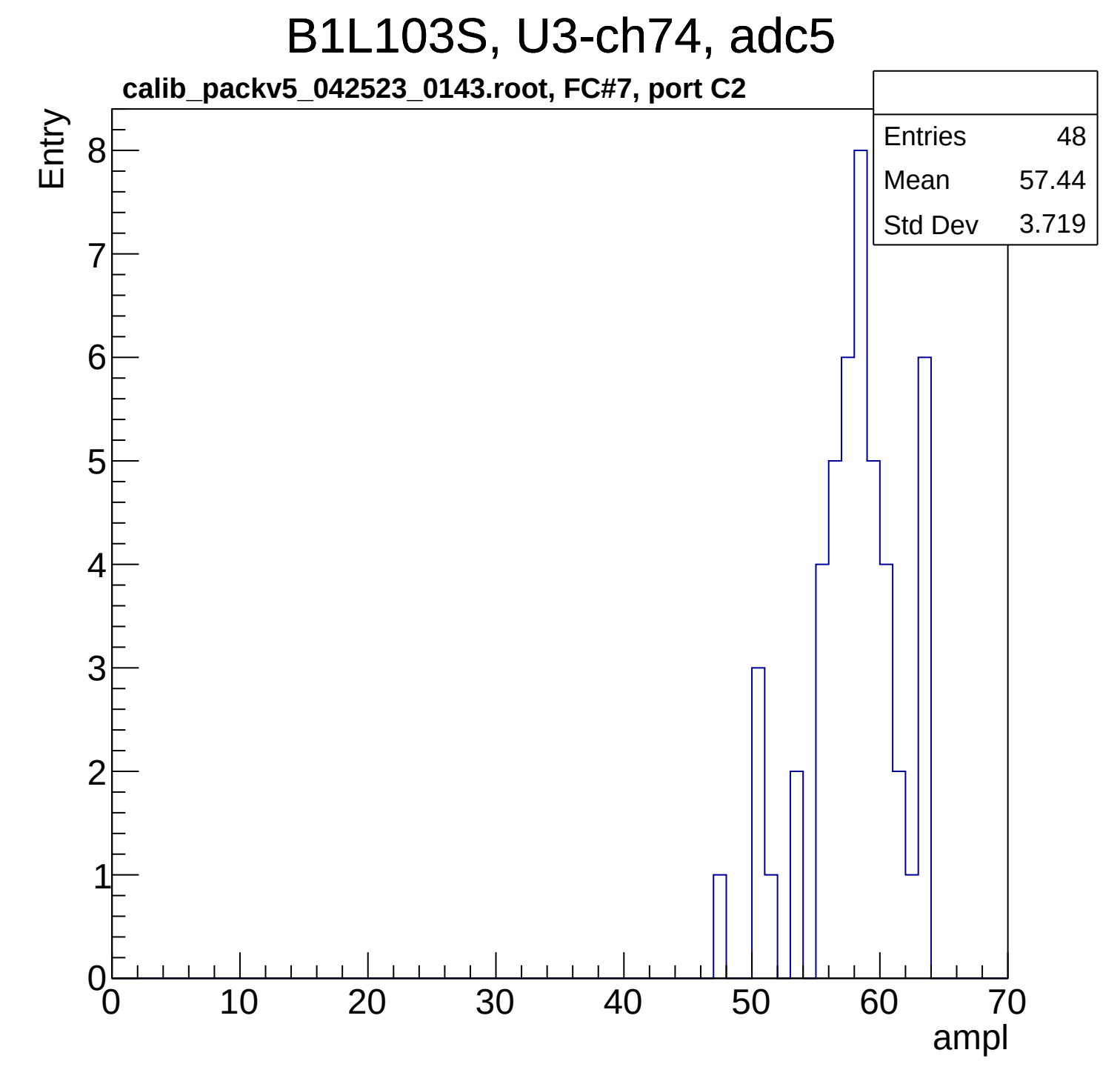

B1L103S, U3-ch74, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 41.3
Std Dev 3.296
Gaus mean : 42.3217
Gaus Width: 3.4453
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch74, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 47.14
Std Dev 3.855
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch74, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 53.49
Std Dev 3.788
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch74, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 57.44
Std Dev 3.719
Entry
ampl
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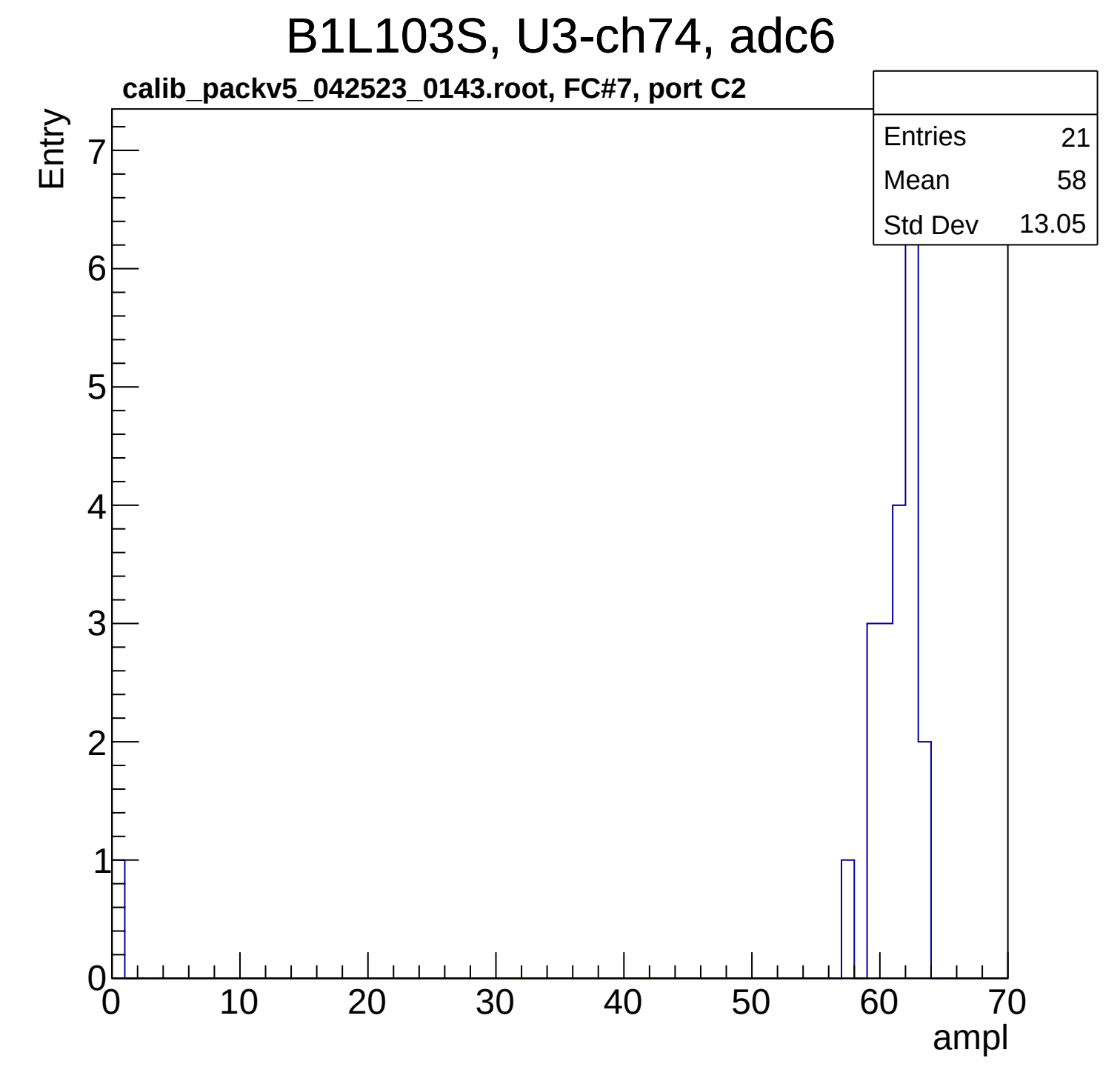
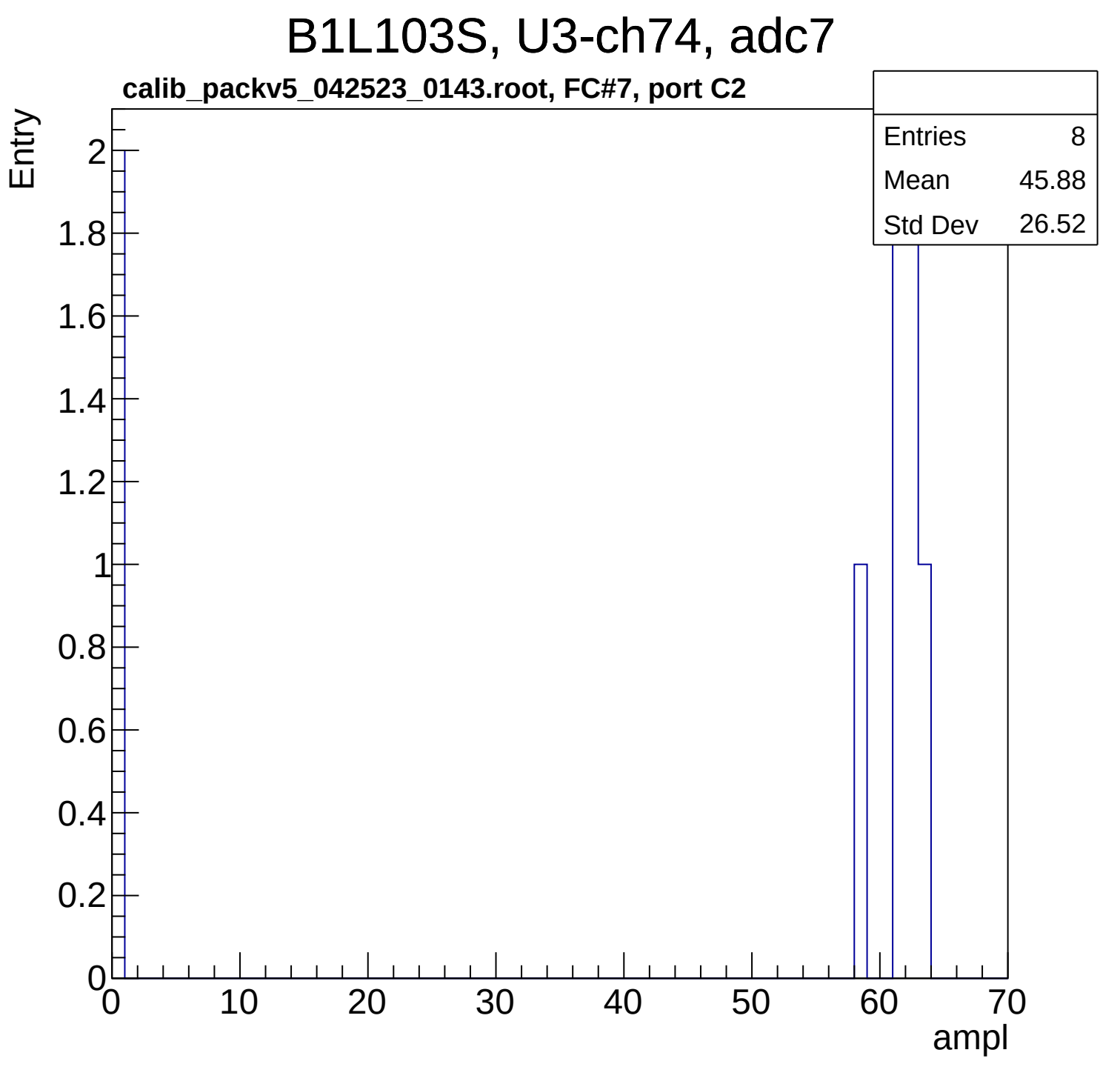
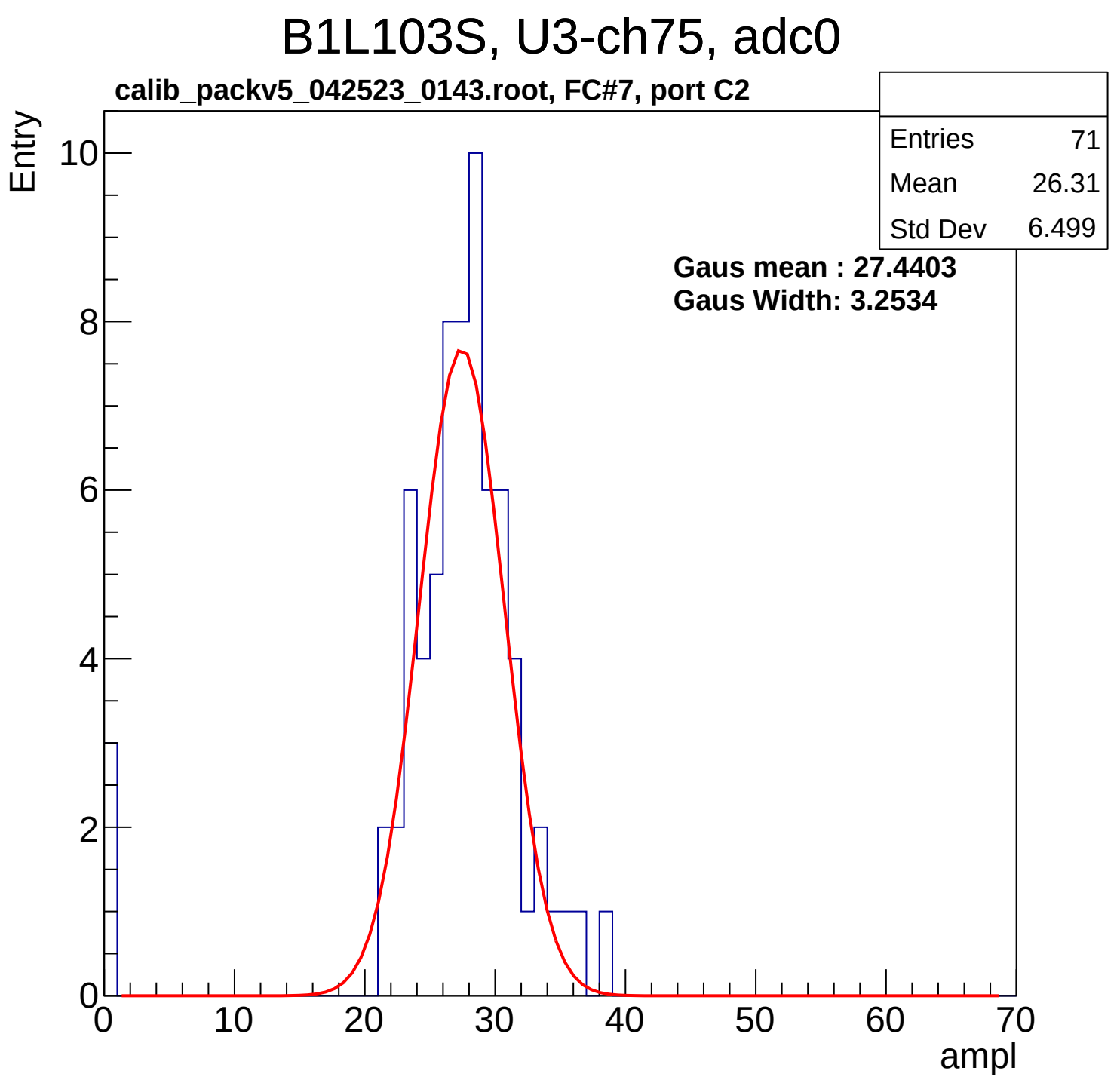
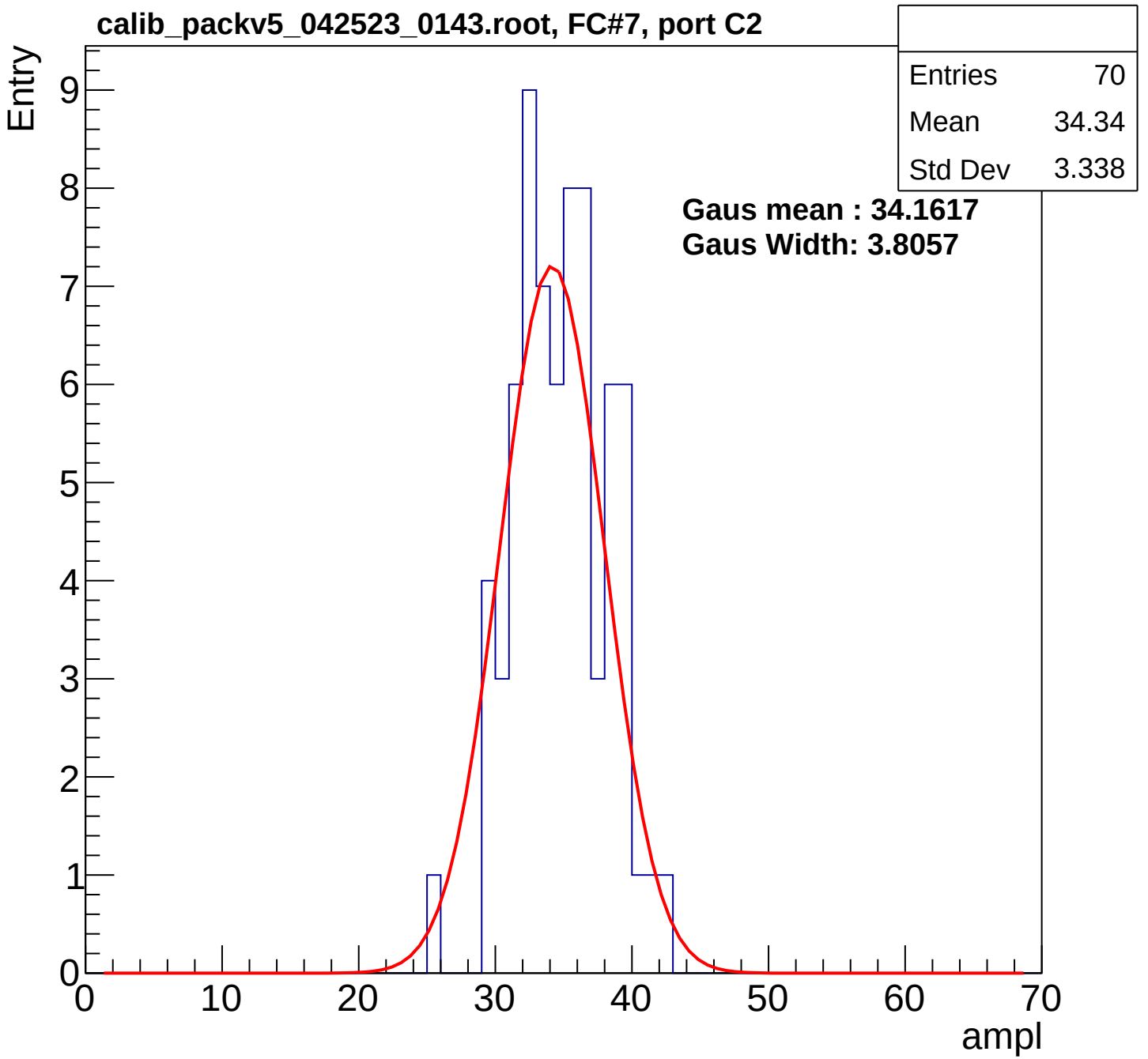
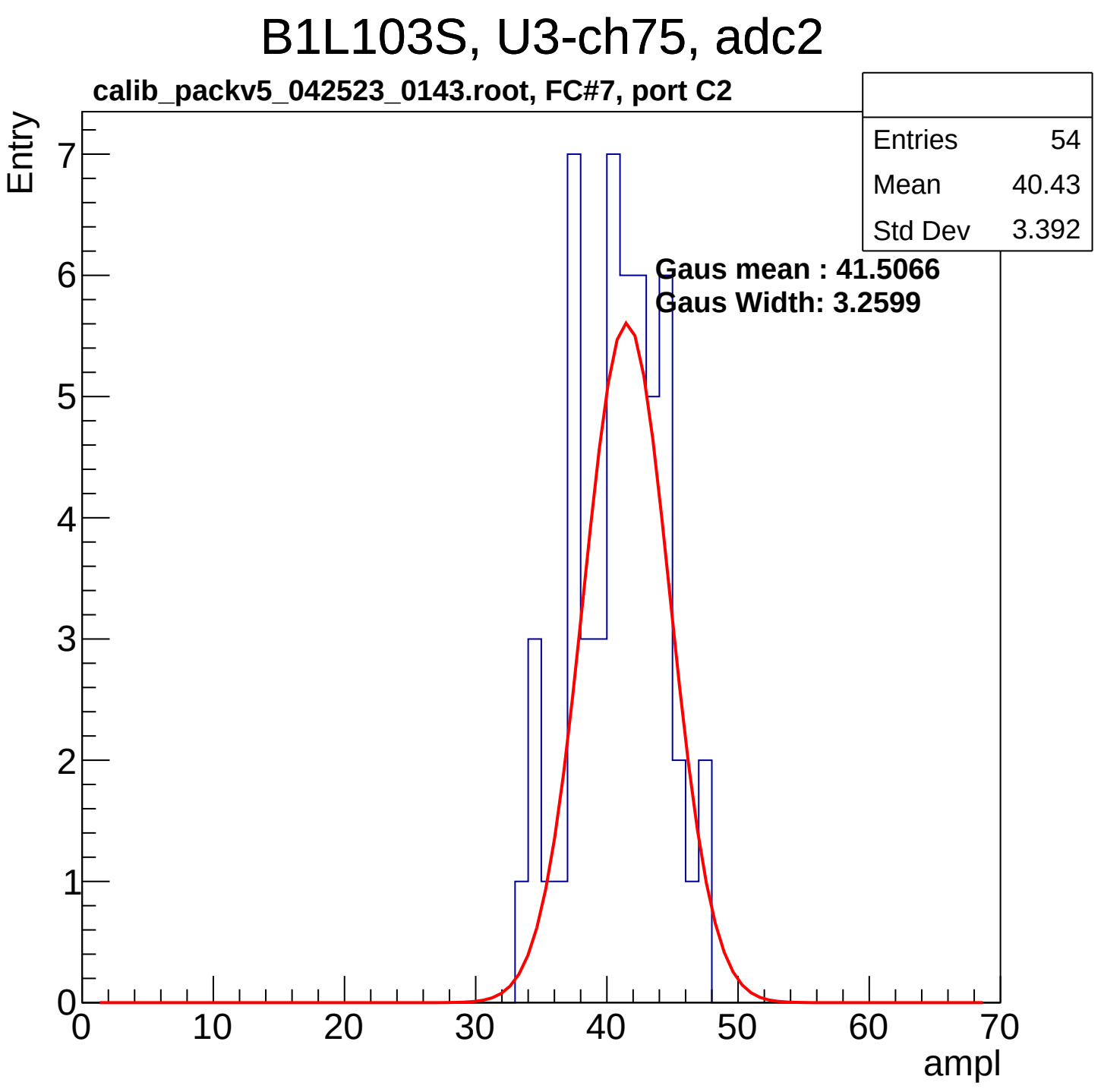
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

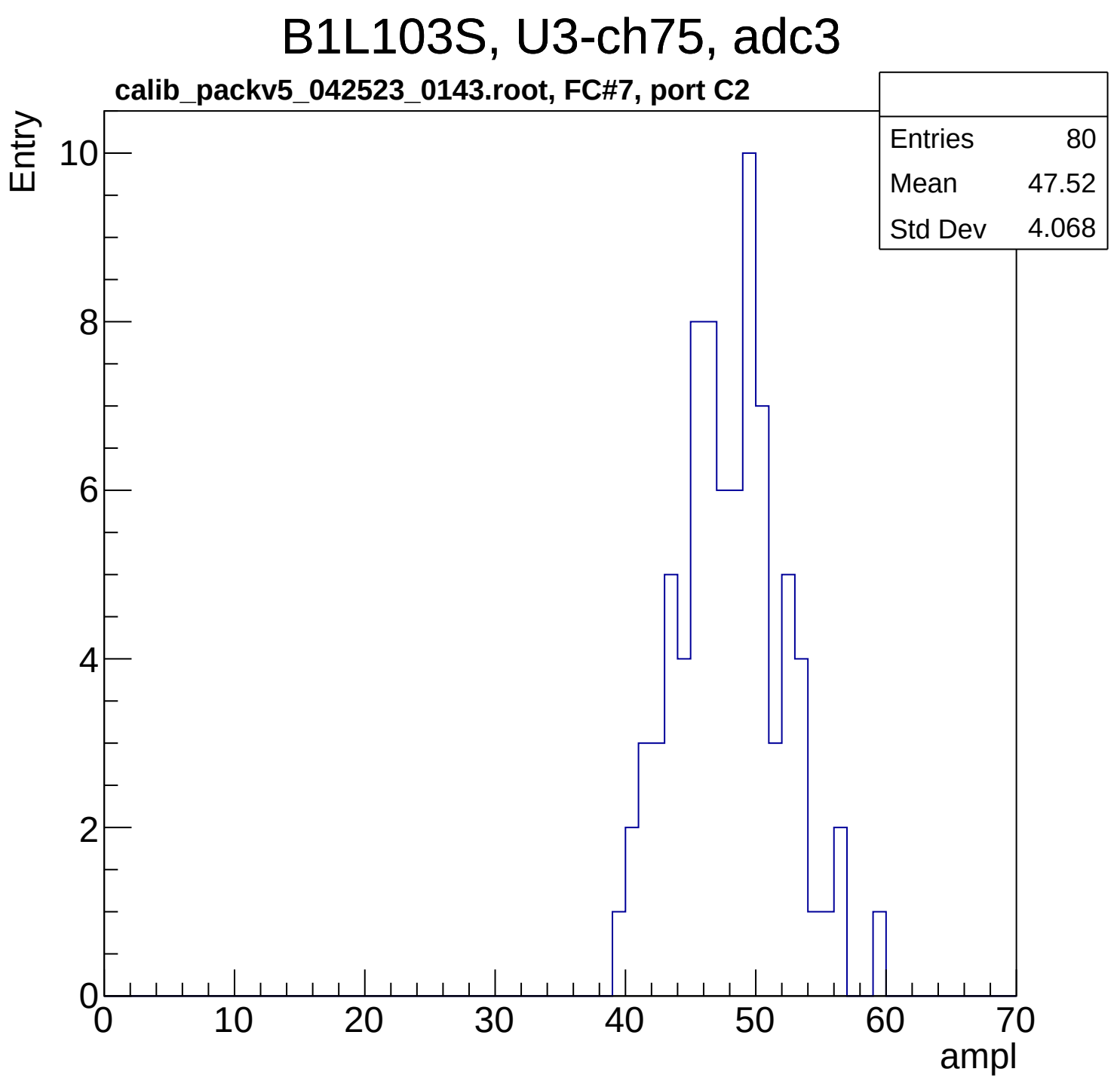

B1L103S, U3-ch74, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 21
Mean 58
Std Dev 13.05
Entry
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70
ampl

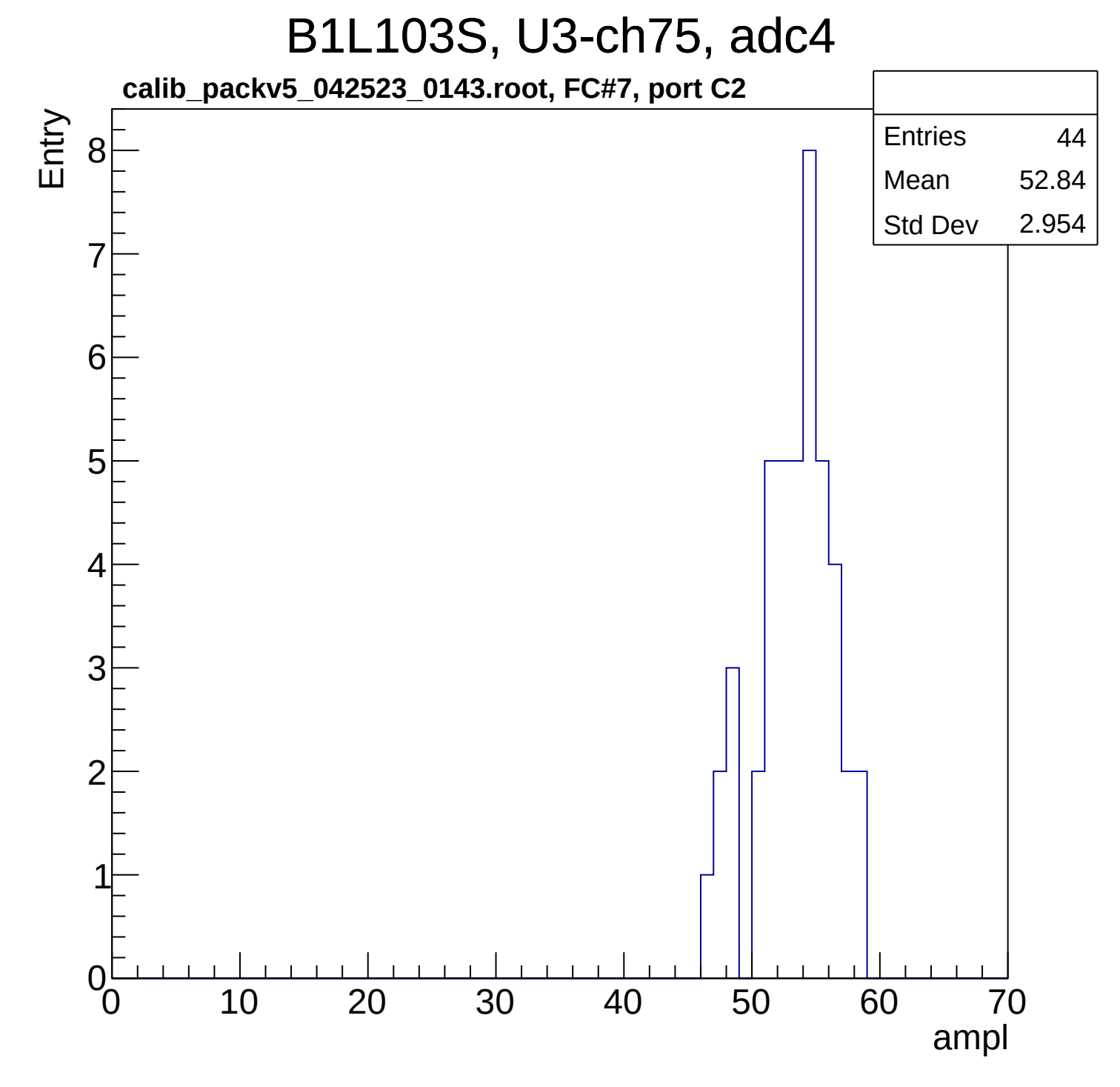

B1L103S, U3-ch74, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 45.88
Std Dev 26.52
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 26.31
Std Dev 6.499
Gaus mean : 27.4403
Gaus Width: 3.2534
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 34.34
Std Dev 3.338
Gaus mean : 34.1617
Gaus Width: 3.8057
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 40.43
Std Dev 3.392
Gaus mean : 41.5066
Gaus Width: 3.2599
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 80
Mean 47.52
Std Dev 4.068
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch75, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 52.84
Std Dev 2.954
Entry
ampl
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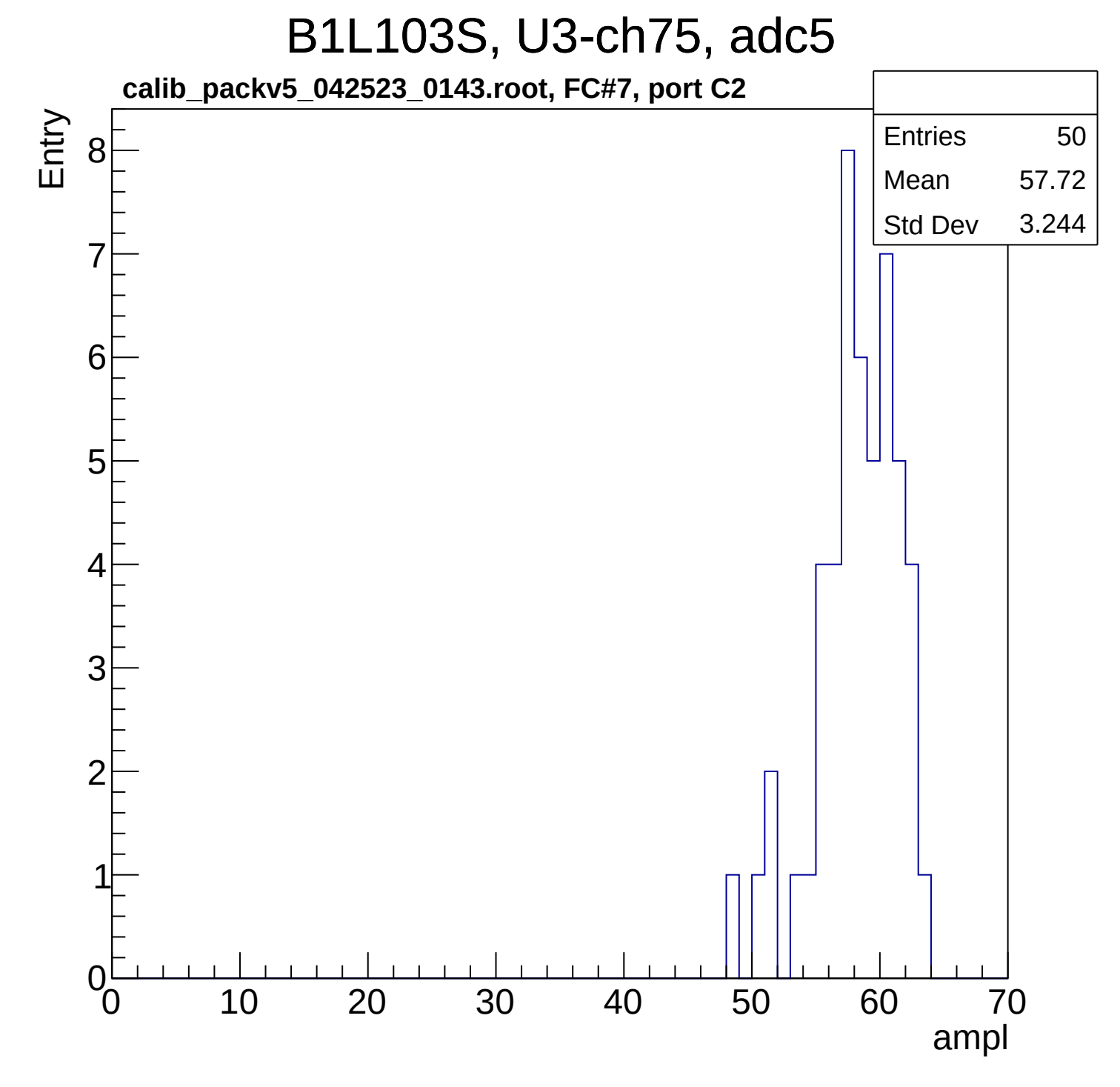
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 57.72
Std Dev 3.244
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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60
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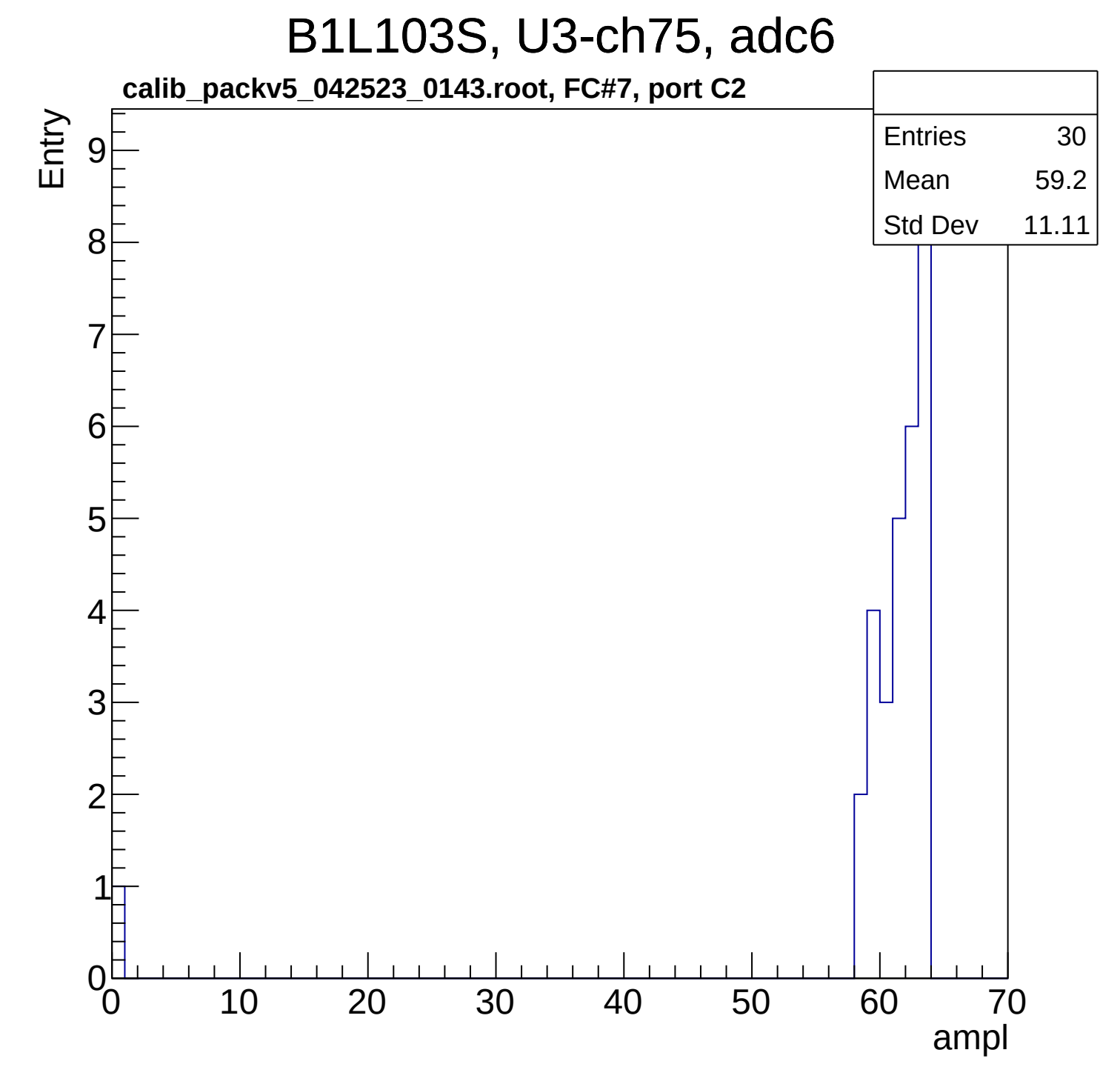
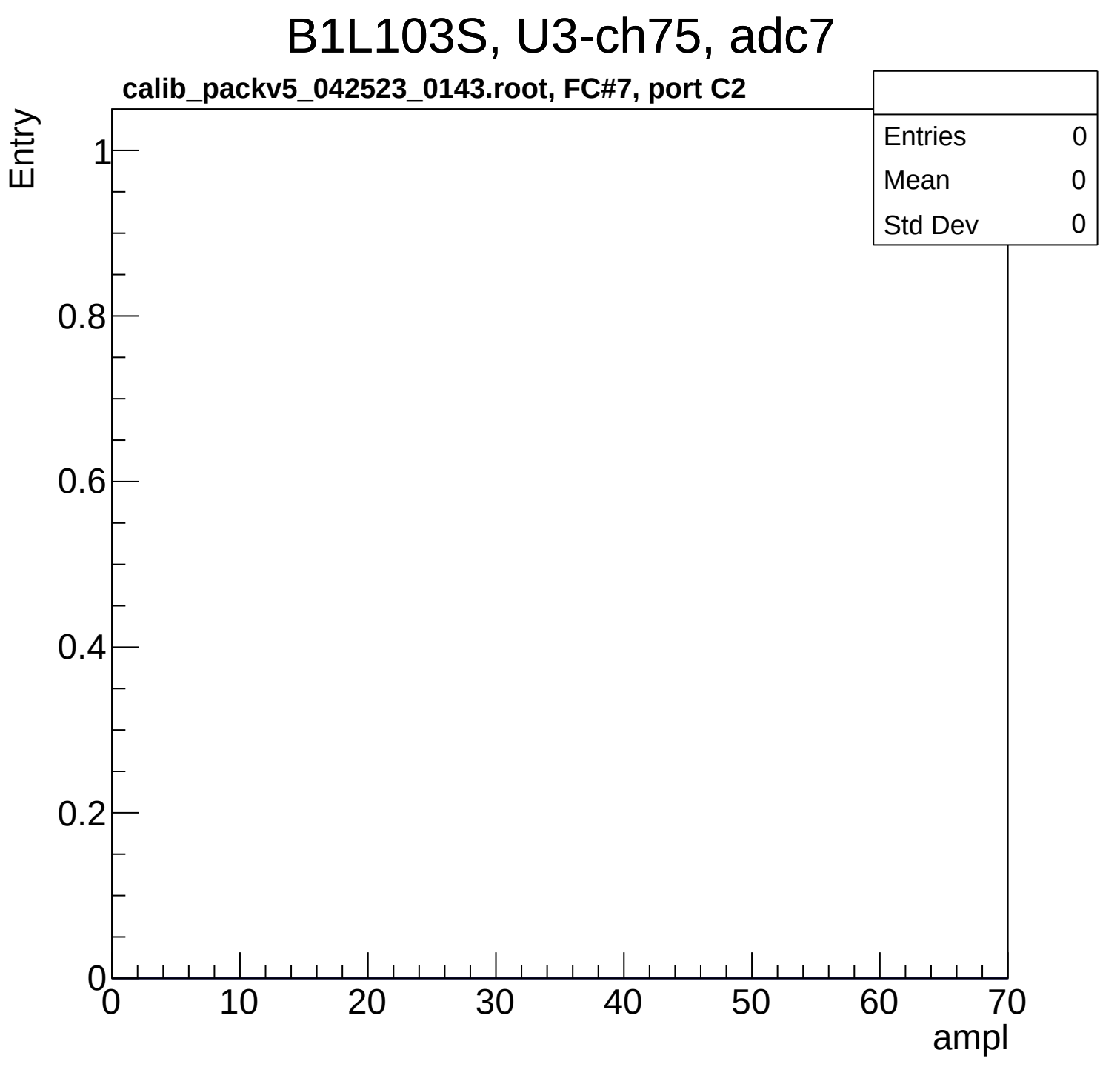
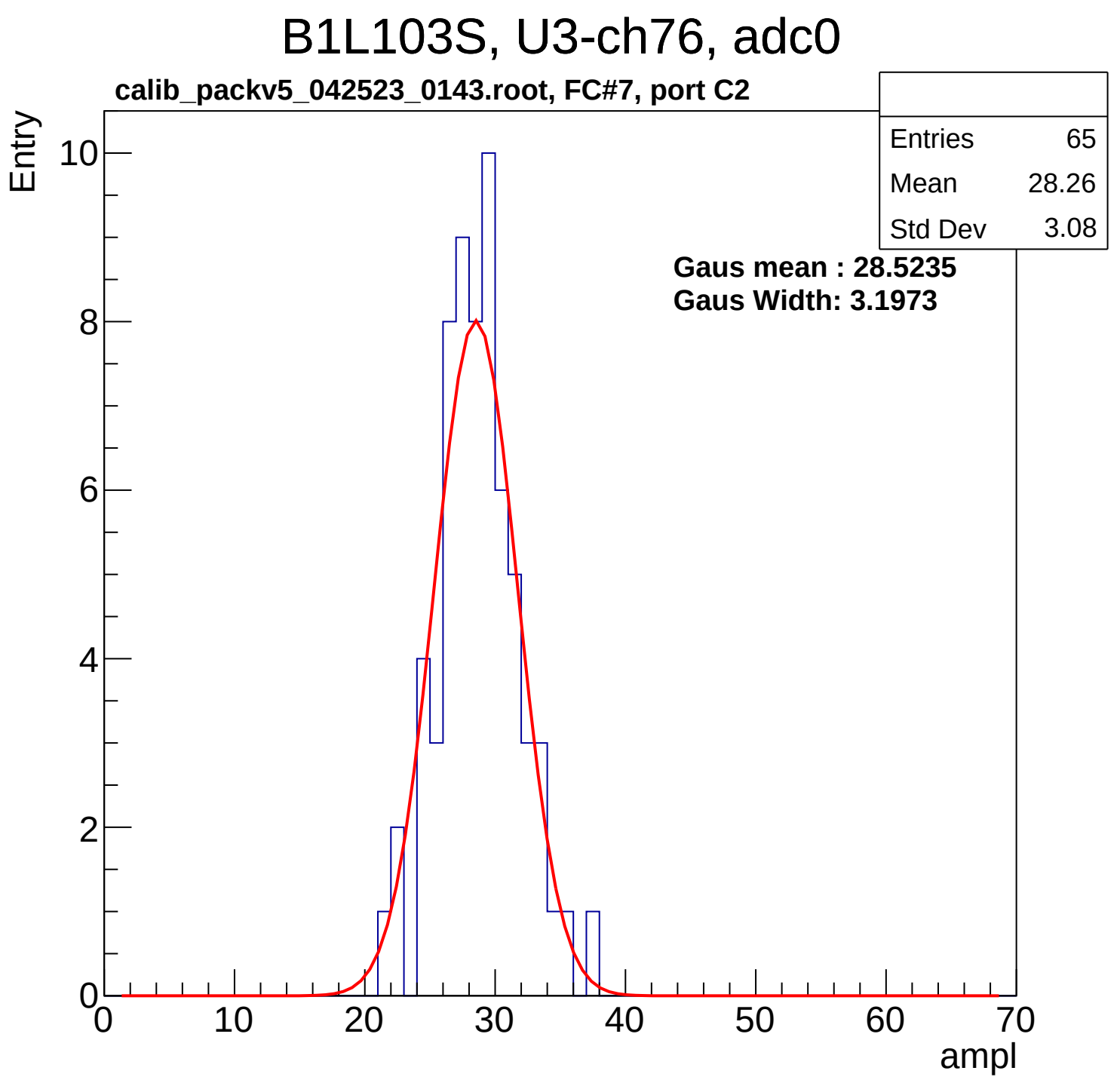

B1L103S, U3-ch75, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 30
Mean 59.2
Std Dev 11.11
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch75, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch76, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 28.26
Std Dev 3.08
Gaus mean : 28.5235
Gaus Width: 3.1973
Entry
ampl
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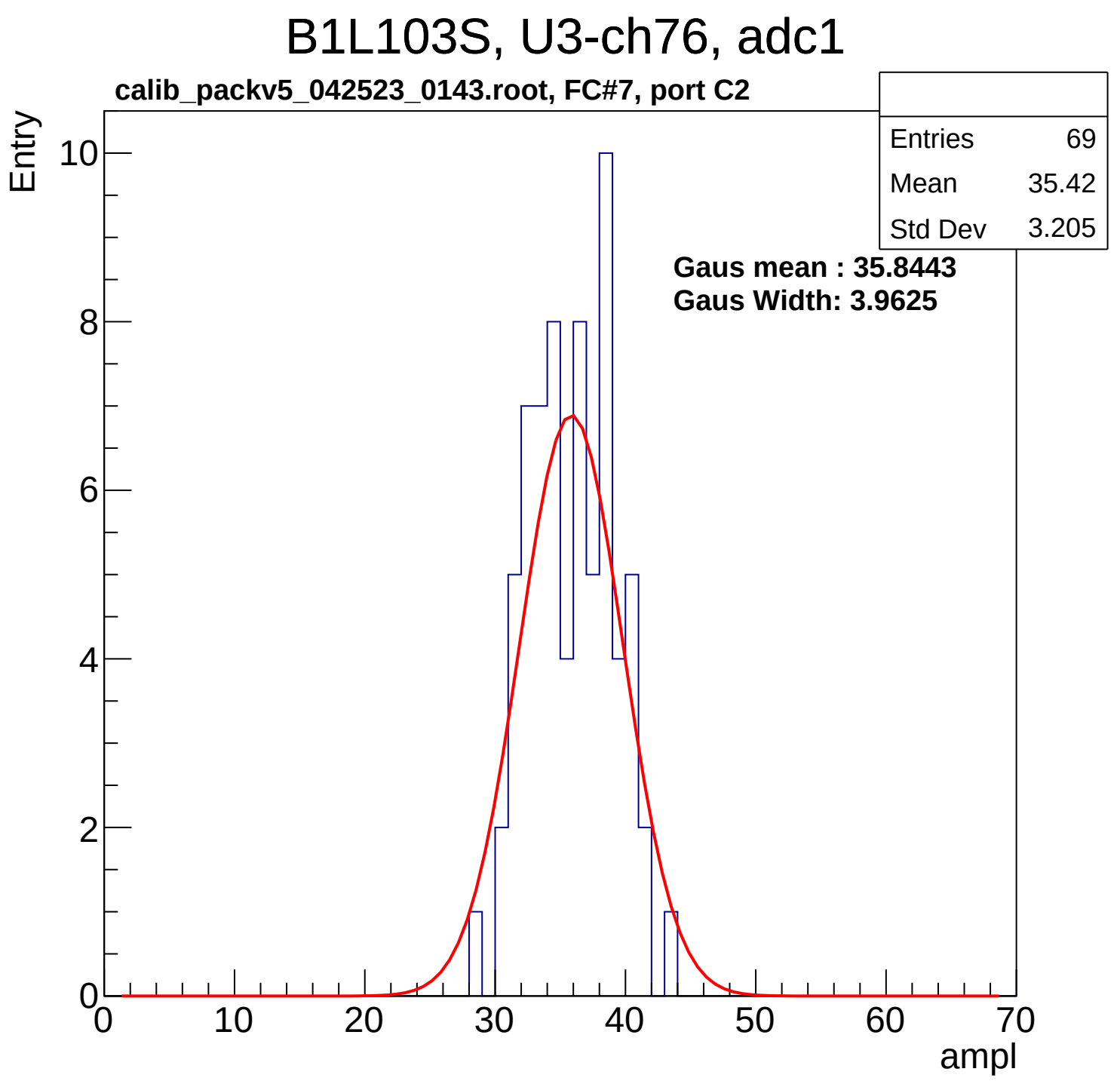
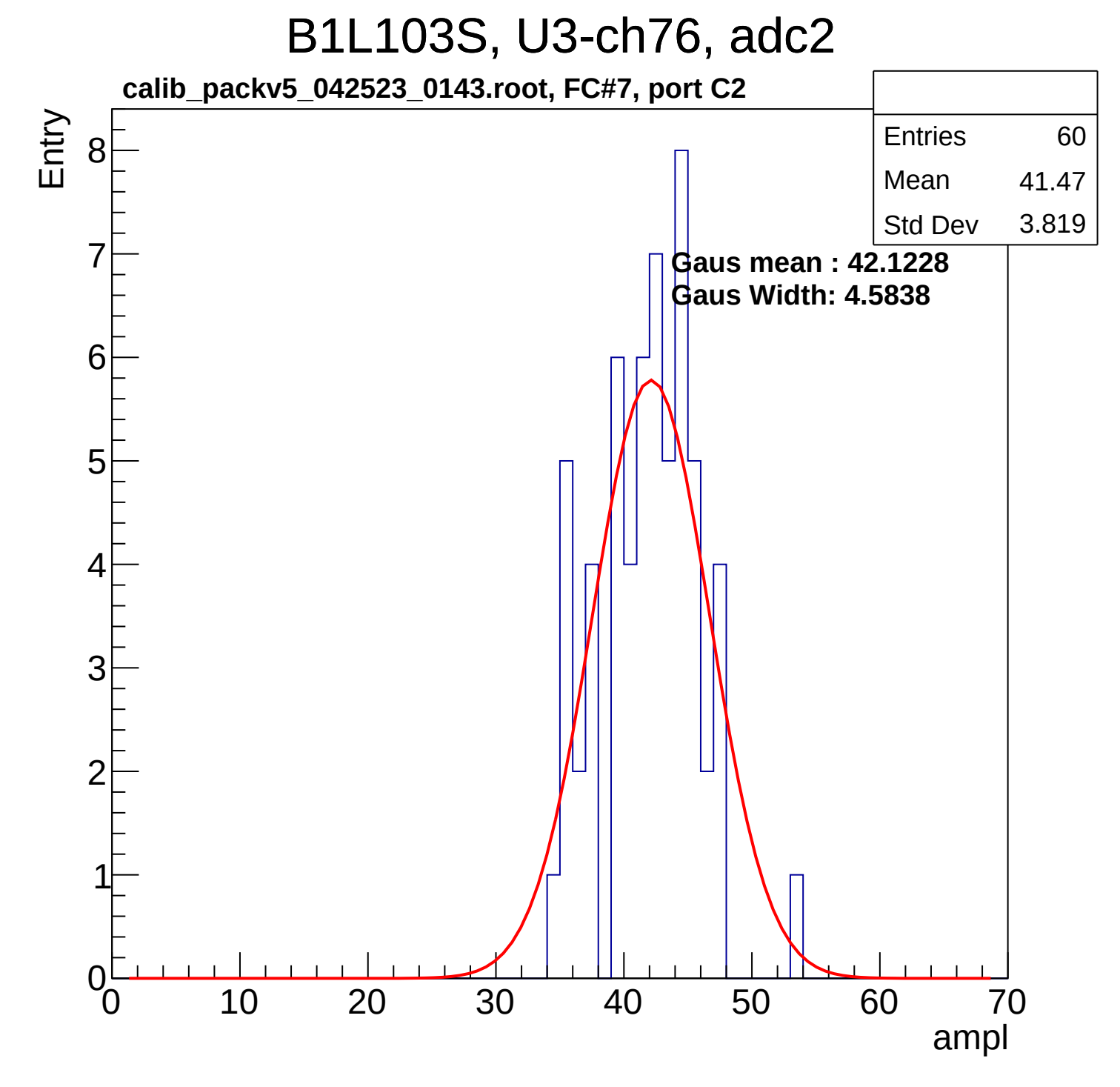
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch76, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 35.42
Std Dev 3.205
Gaus mean : 35.8443
Gaus Width: 3.9625
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch76, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 41.47
Std Dev 3.819
Gaus mean : 42.1228
Gaus Width: 4.5838
Entry
ampl
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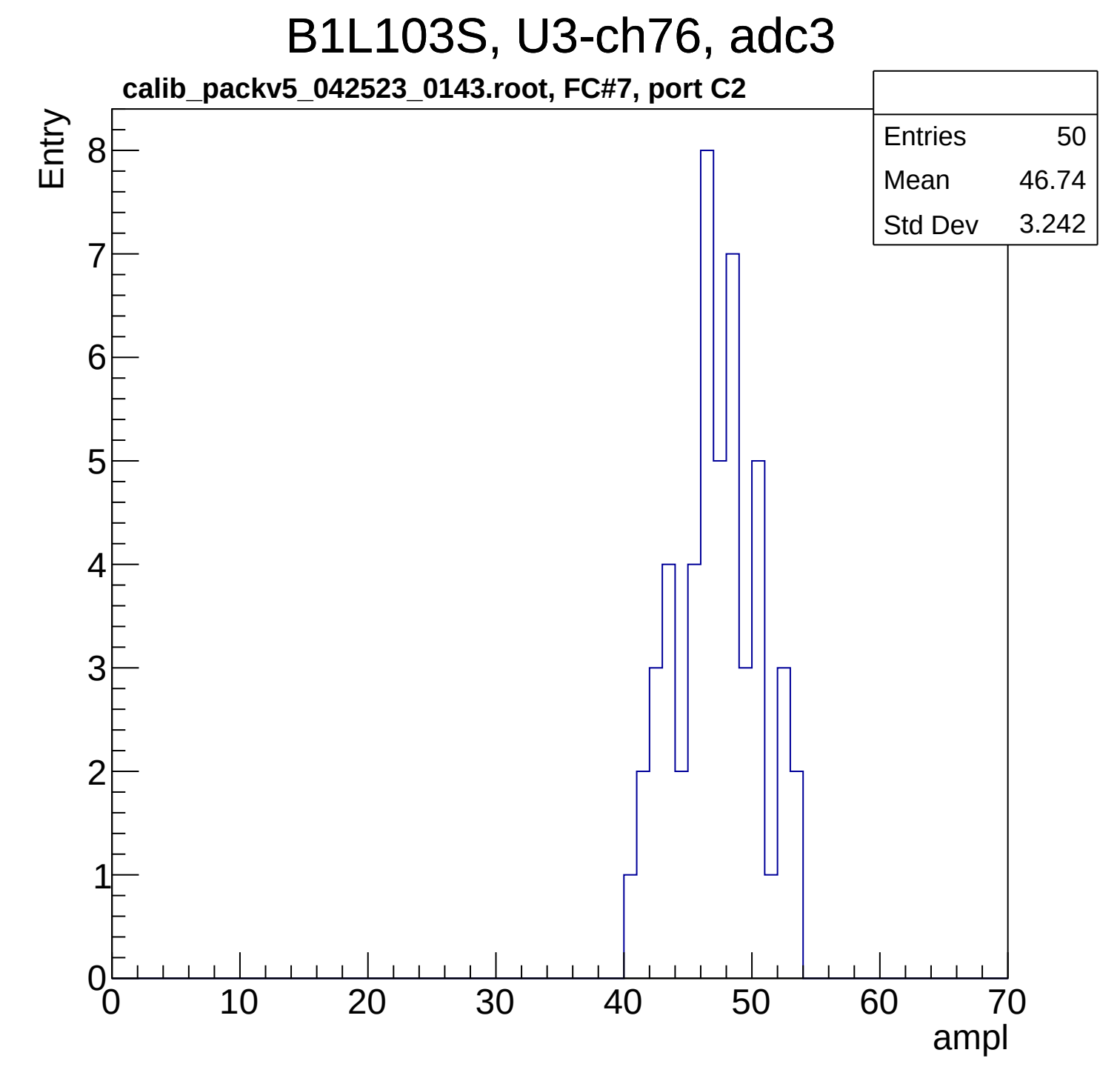
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch76, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 46.74
Std Dev 3.242
Entry
ampl
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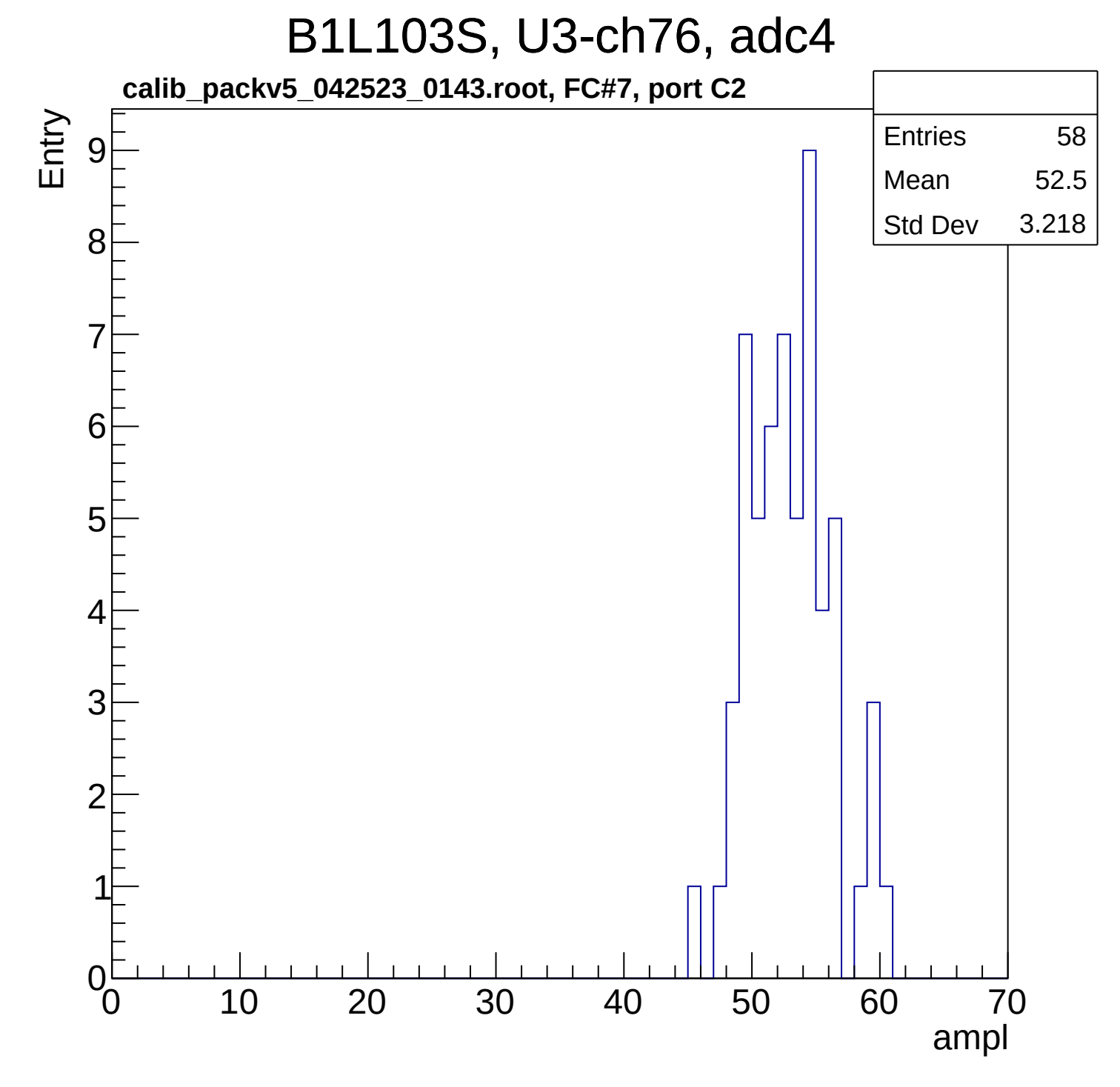
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch76, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 52.5
Std Dev 3.218
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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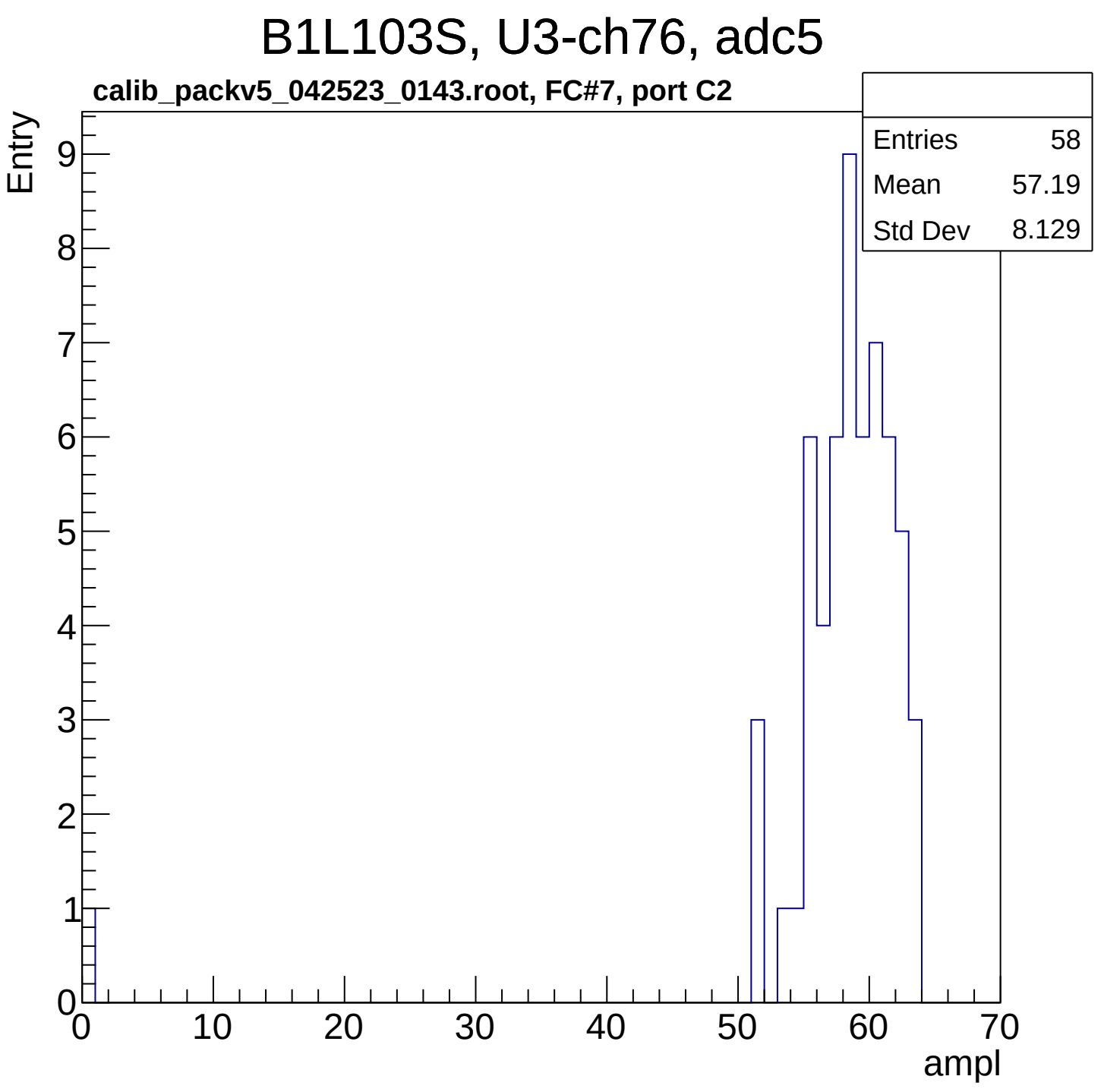
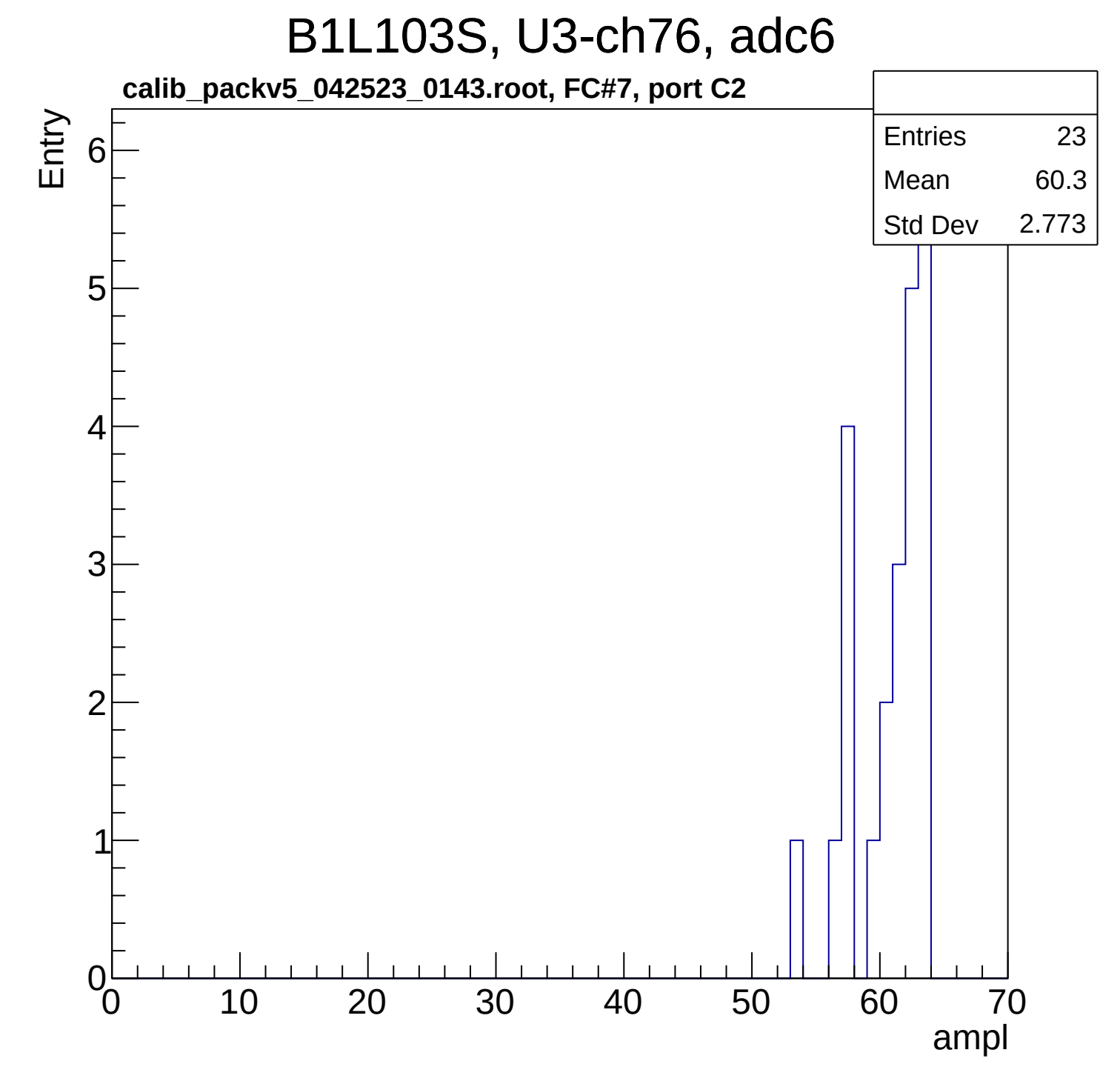
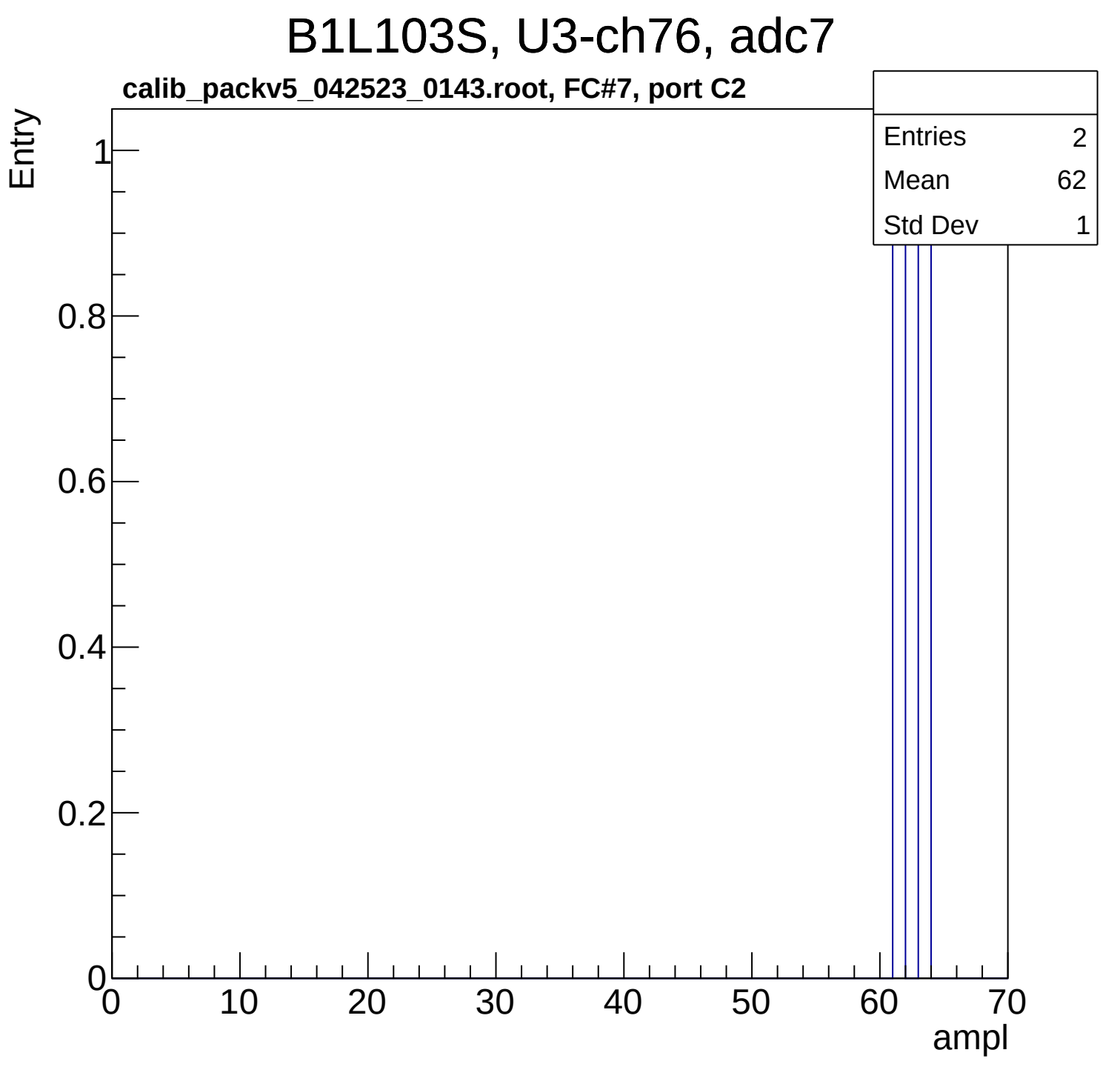

B1L103S, U3-ch76, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 57.19
Std Dev 8.129
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch76, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 23
Mean 60.3
Std Dev 2.773
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch76, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 62
Std Dev 1
Entry
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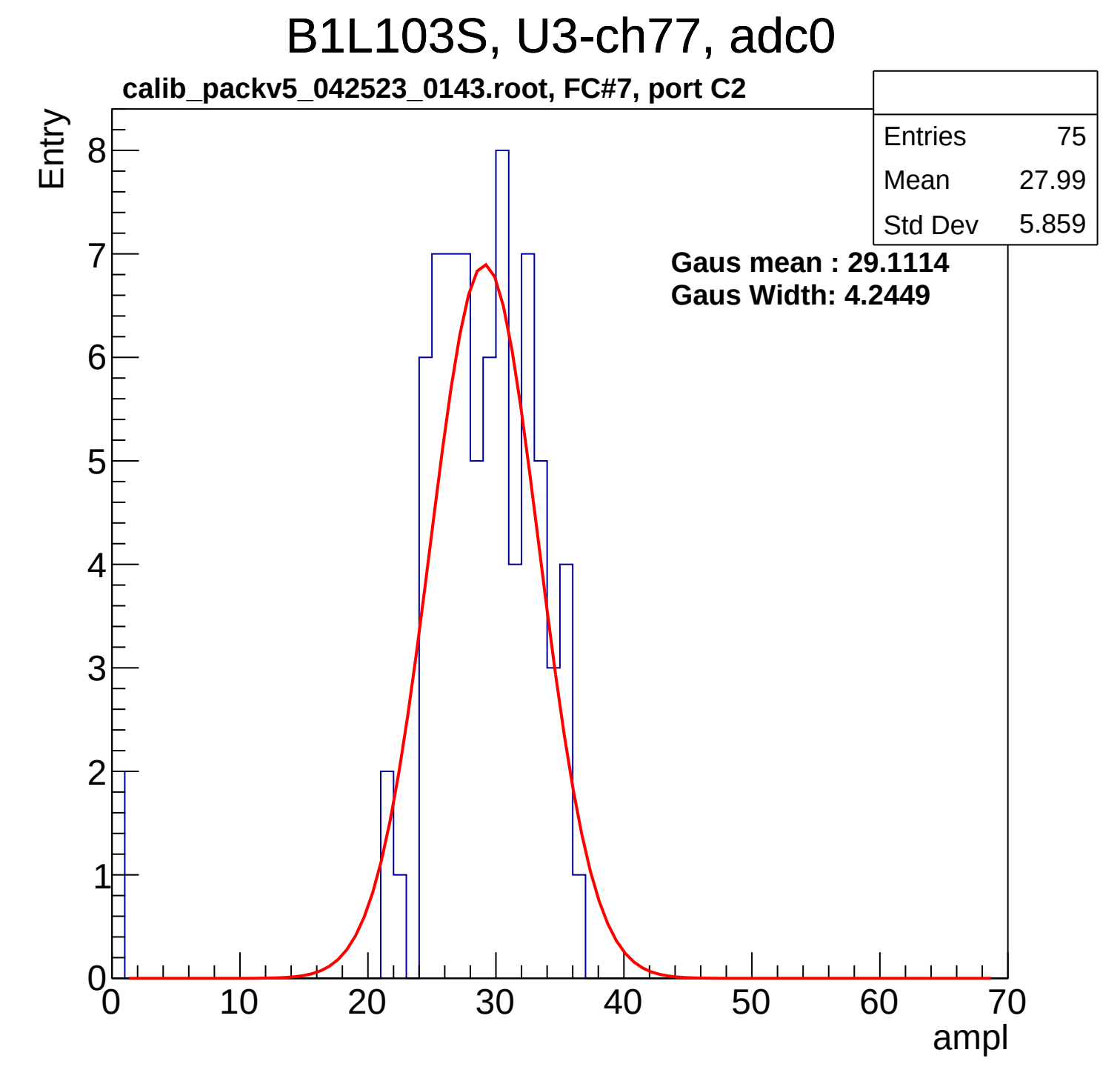
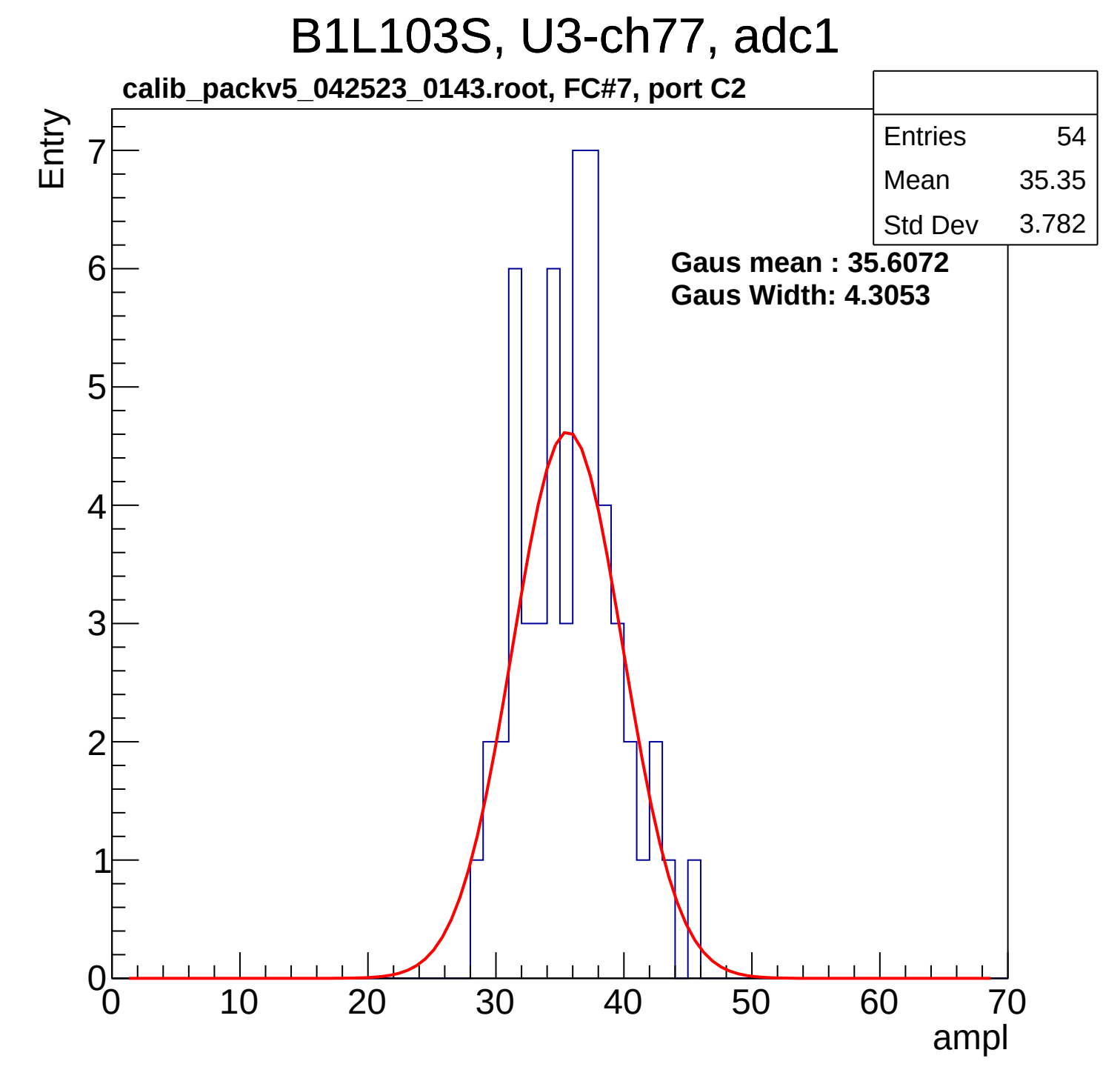
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch77, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 27.99
Std Dev 5.859
Gaus mean : 29.1114
Gaus Width: 4.2449
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch77, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 35.35
Std Dev 3.782
Gaus mean : 35.6072
Gaus Width: 4.3053
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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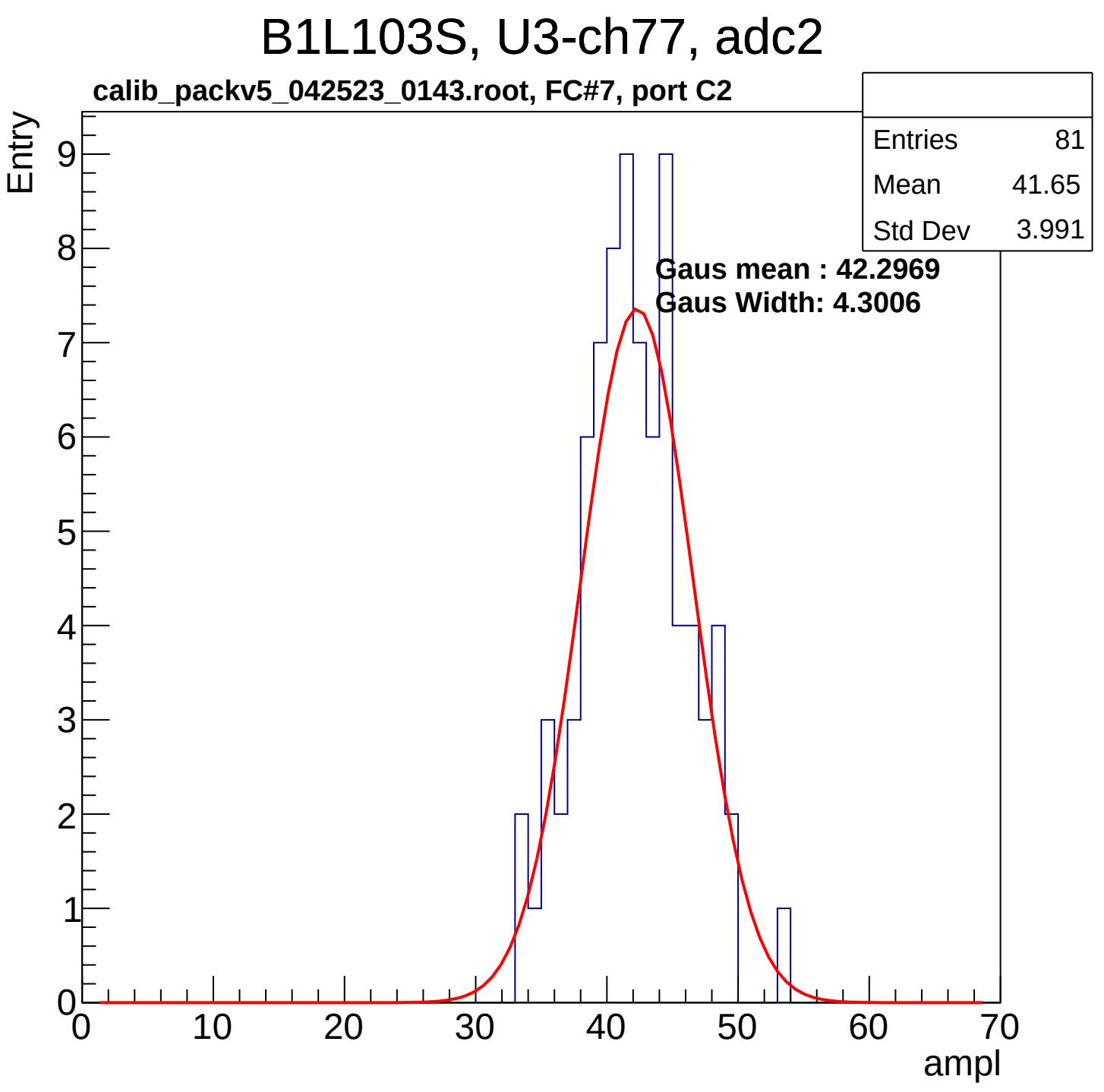
B1L103S, U3-ch77, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 41.65
Std Dev 3.991
Gaus mean : 42.2969
Gaus Width: 4.3006
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
30
40
50
60
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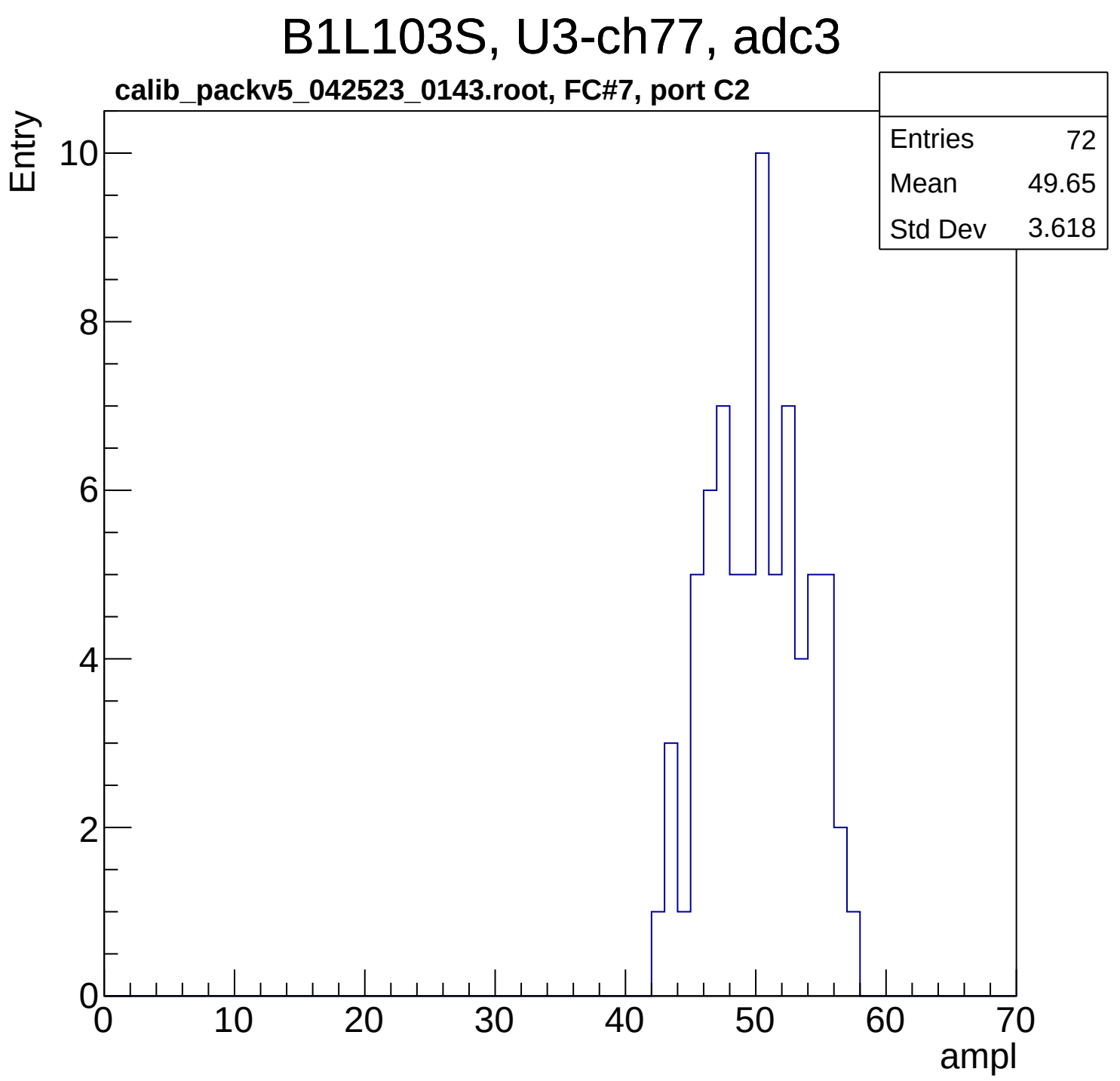
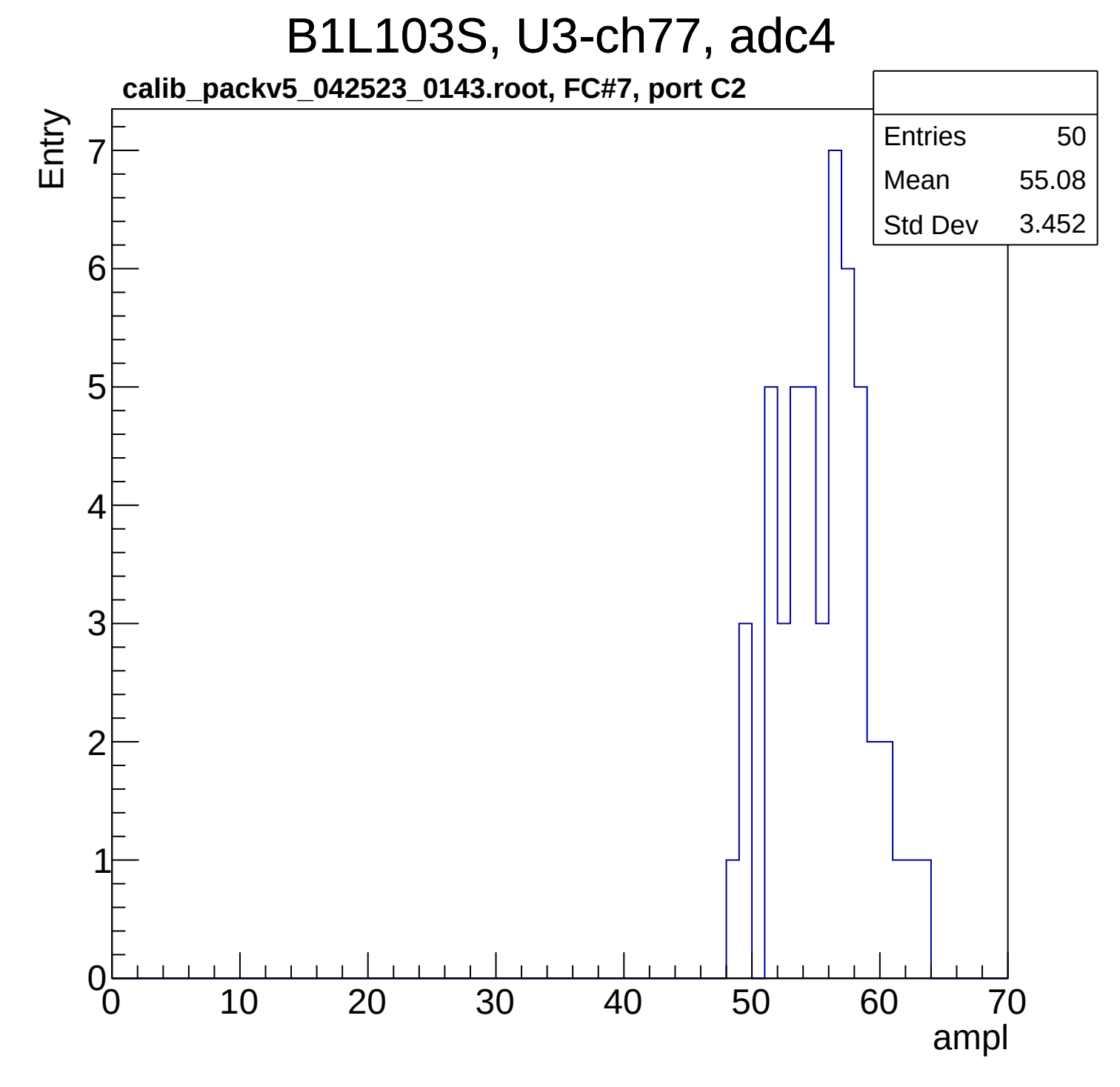
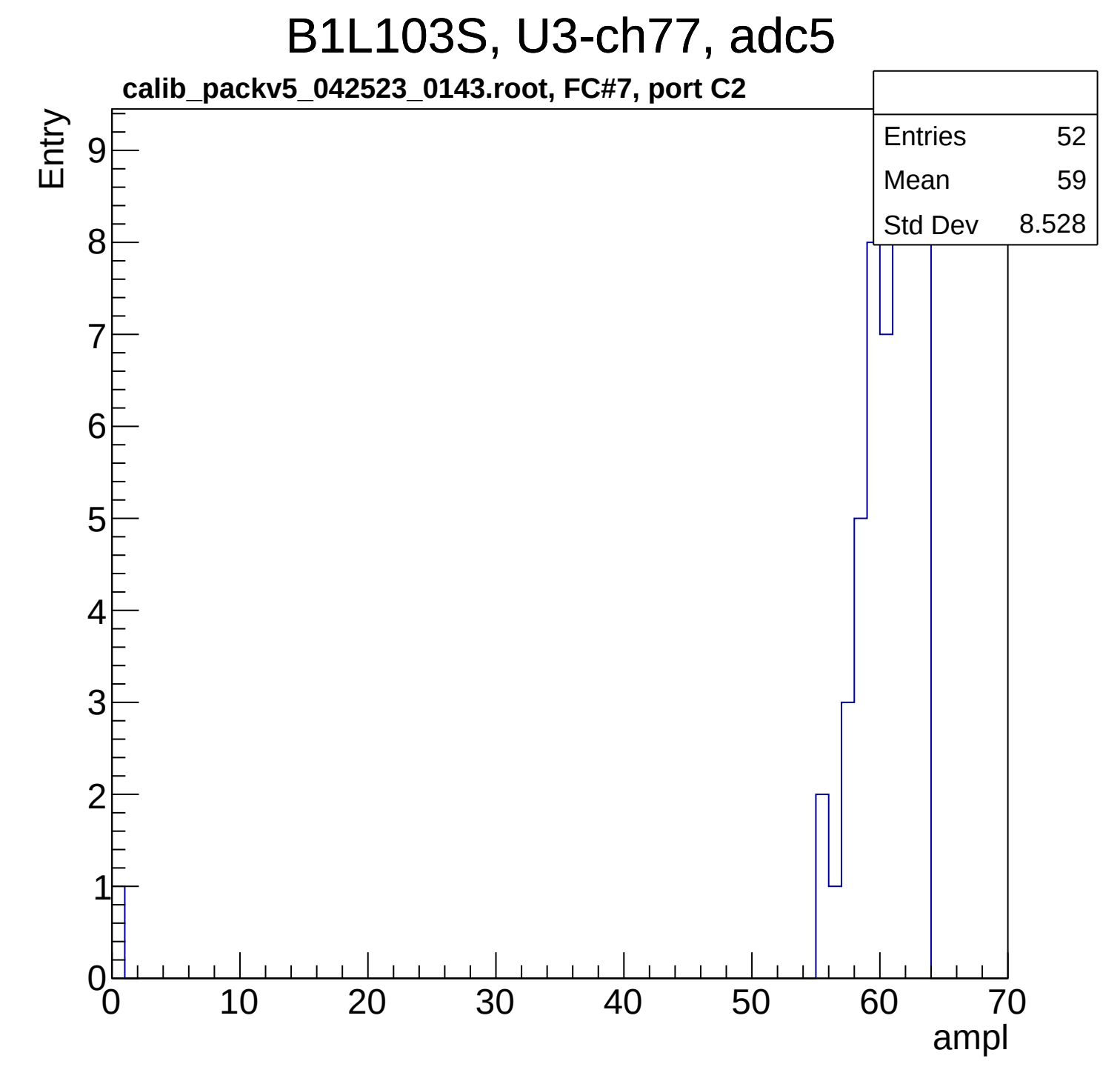

B1L103S, U3-ch77, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 49.65
Std Dev 3.618
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch77, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 55.08
Std Dev 3.452
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch77, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 59
Std Dev 8.528
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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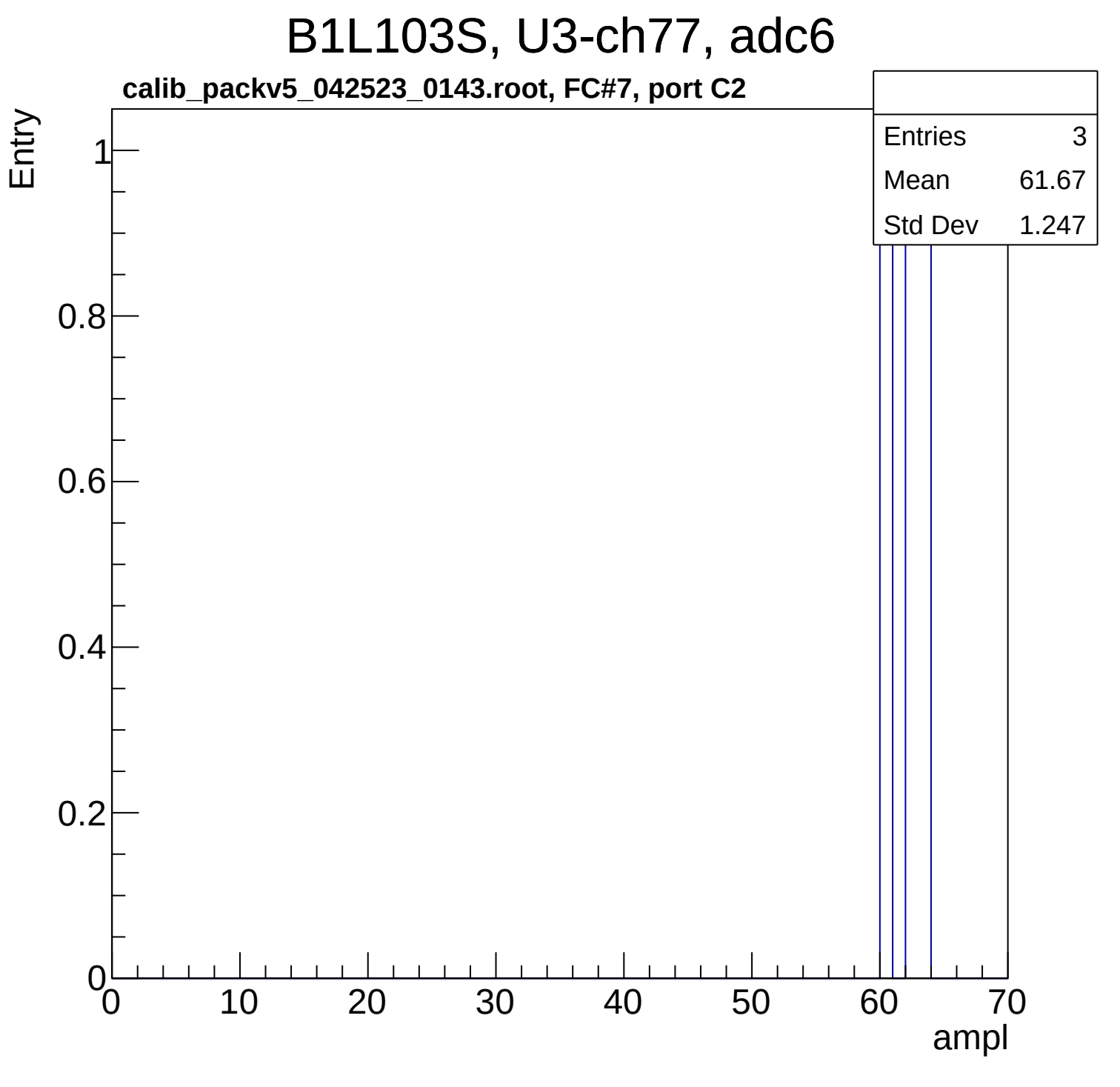
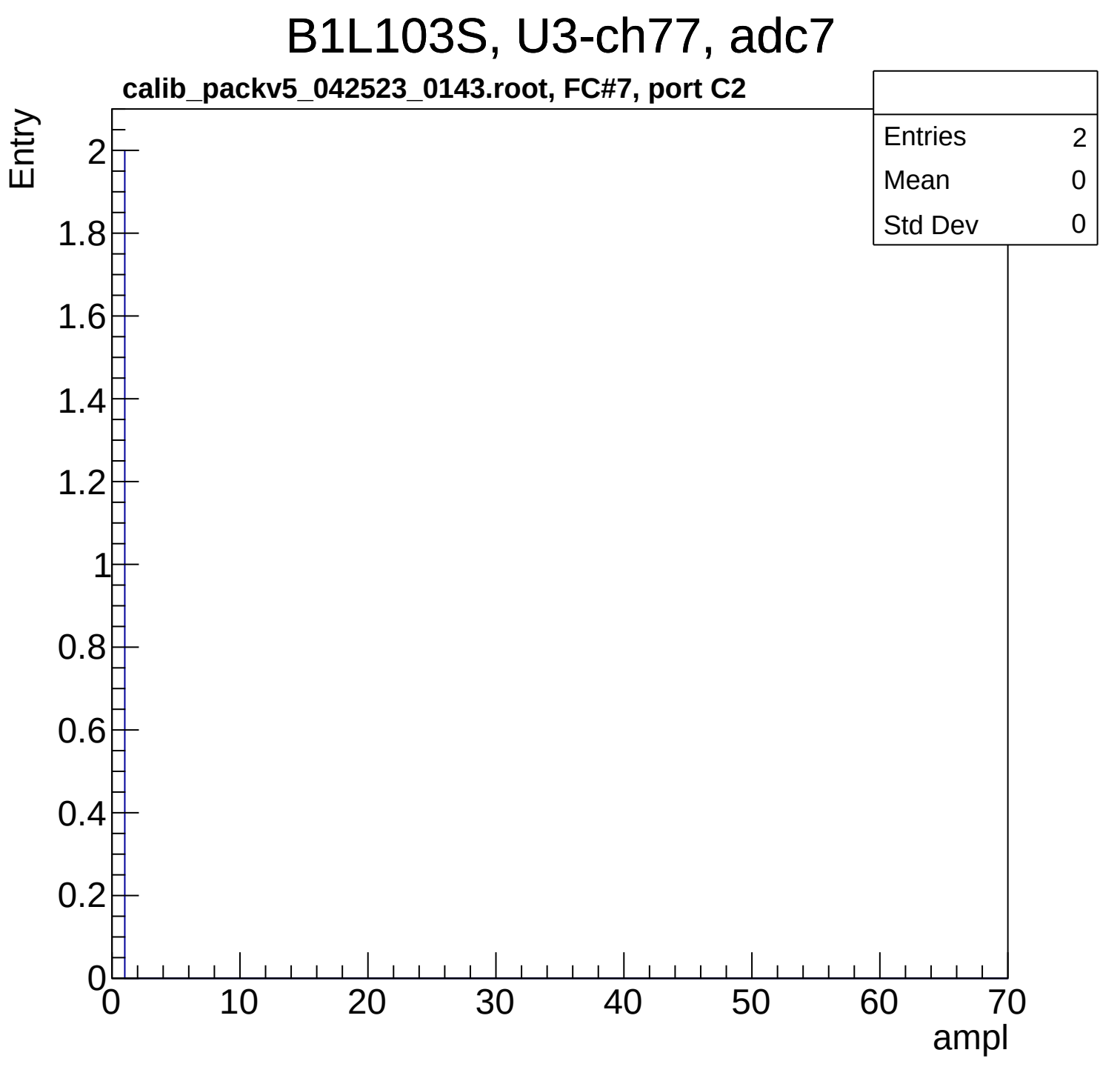
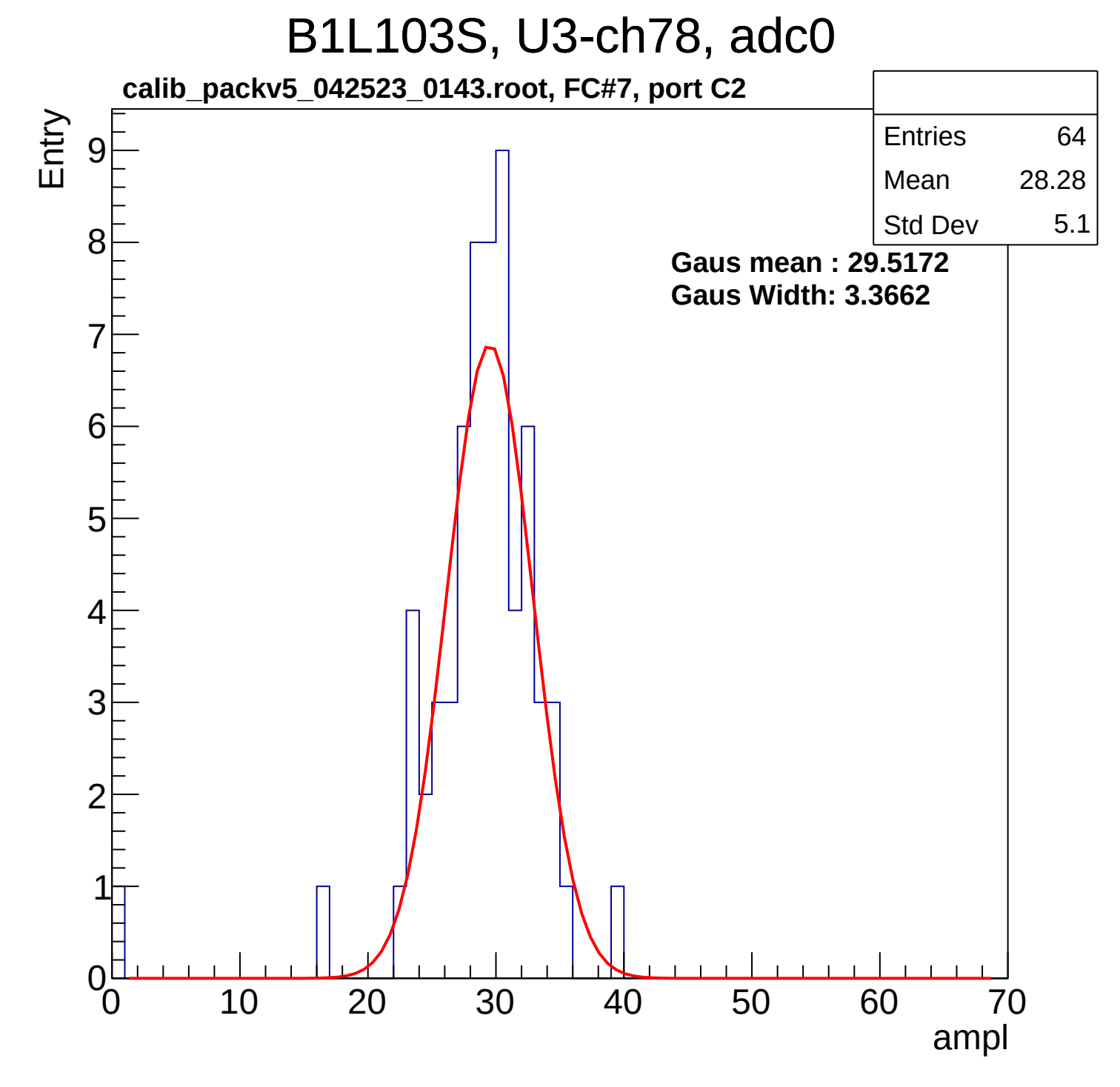
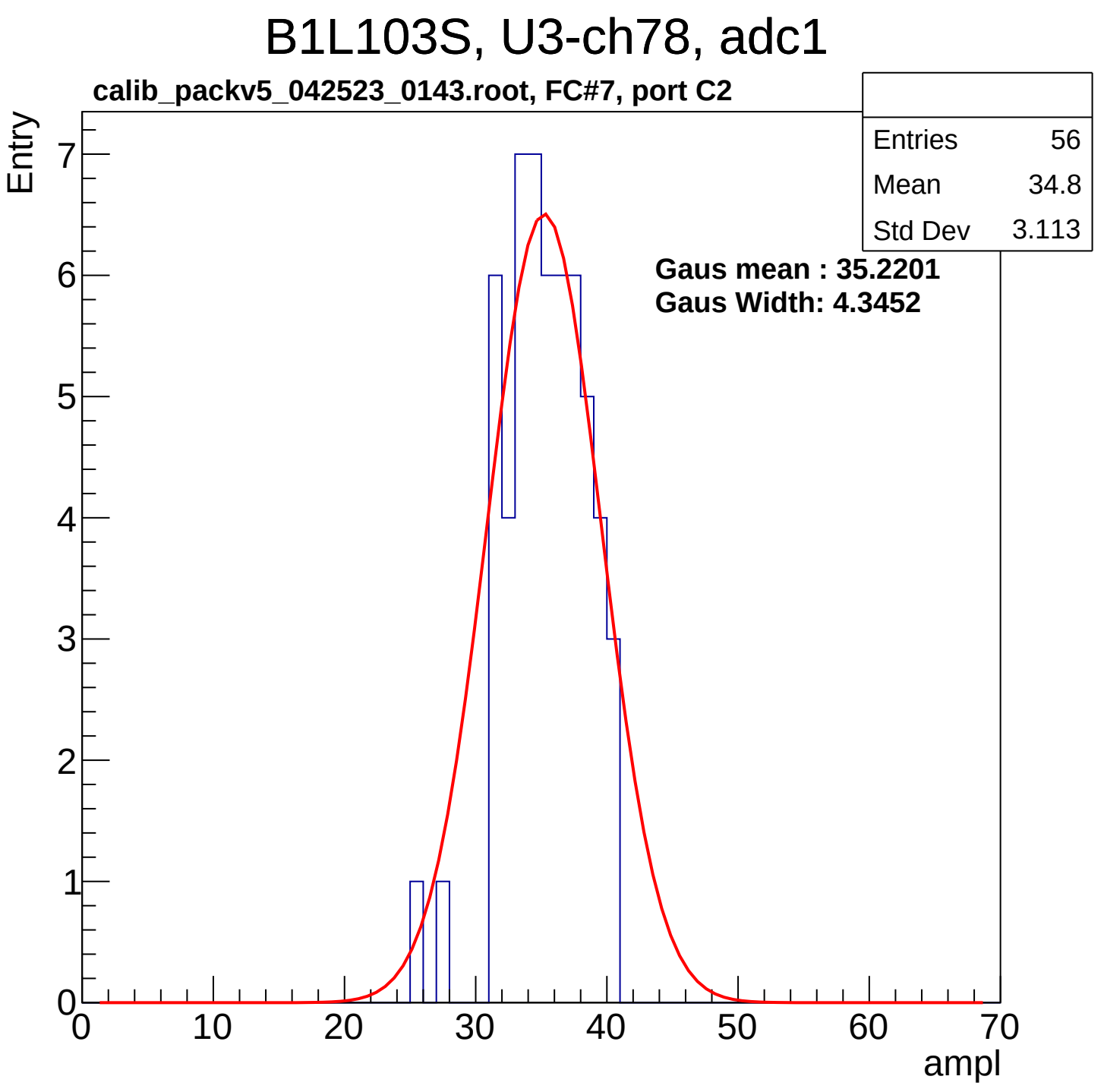
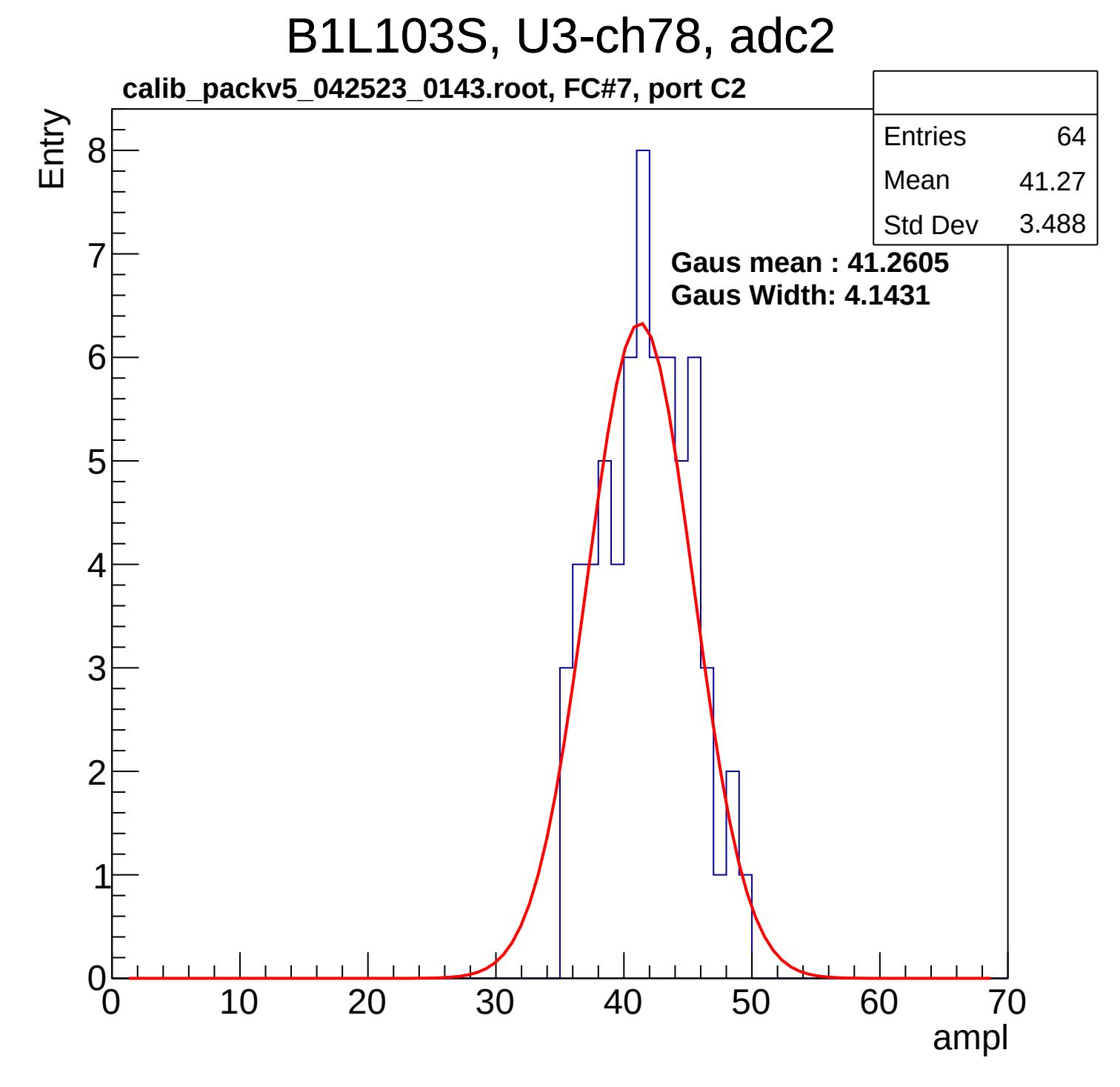

B1L103S, U3-ch77, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 61.67
Std Dev 1.247
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch77, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch78, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 28.28
Std Dev 5.1
Gaus mean : 29.5172
Gaus Width: 3.3662
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch78, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 34.8
Std Dev 3.113
Gaus mean : 35.2201
Gaus Width: 4.3452
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch78, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 41.27
Std Dev 3.488
Gaus mean : 41.2605
Gaus Width: 4.1431
Entry
ampl
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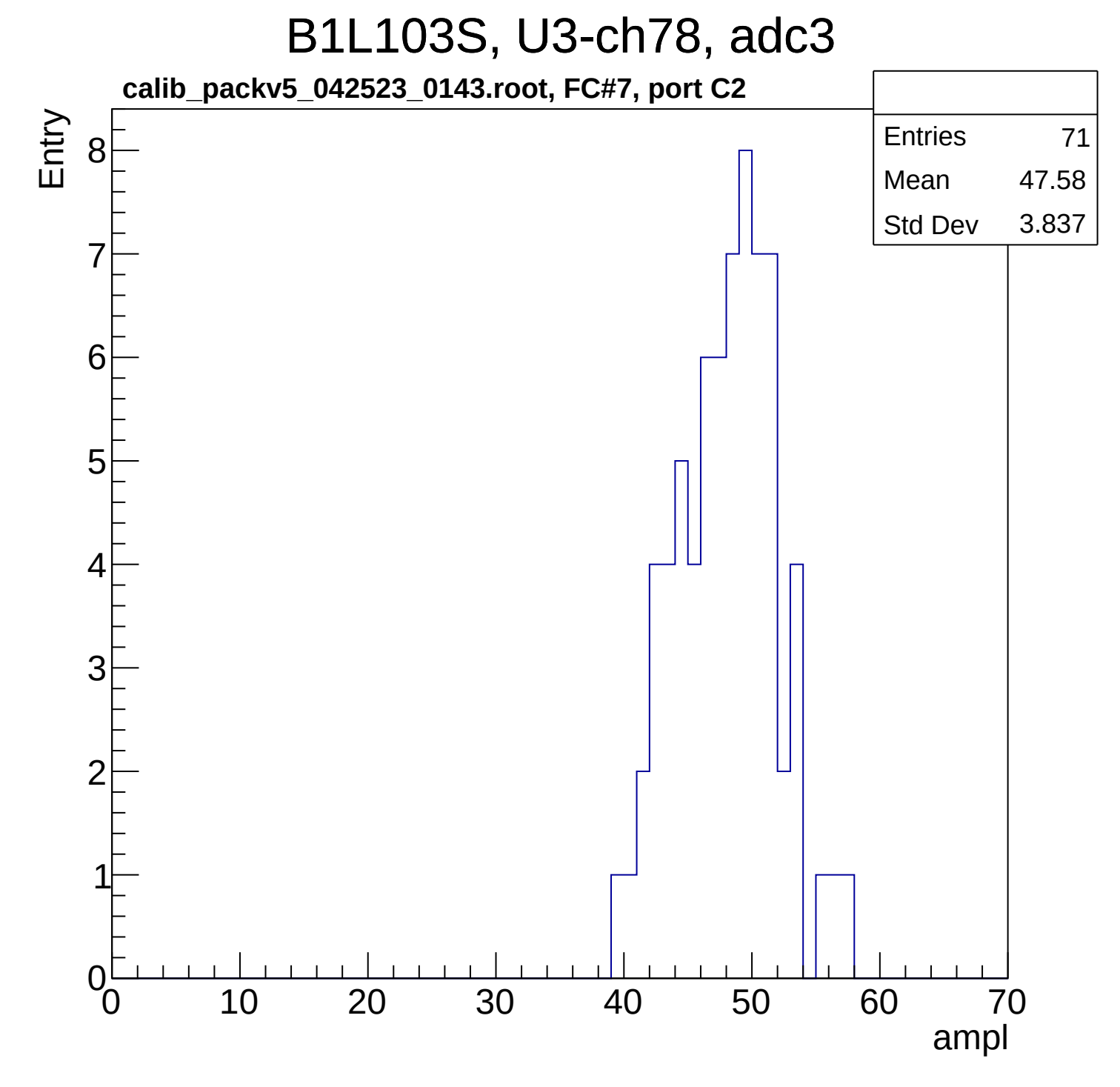
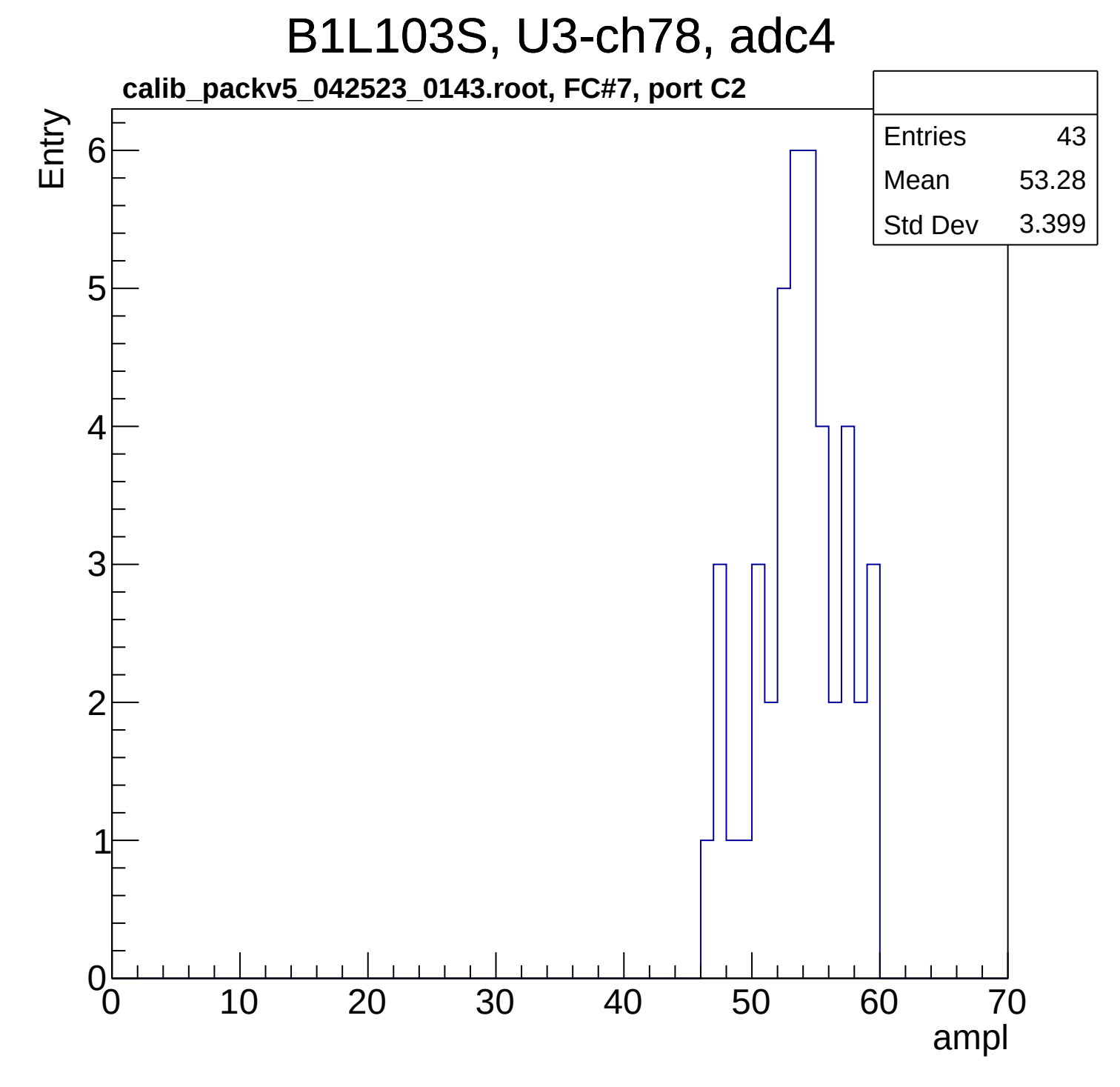
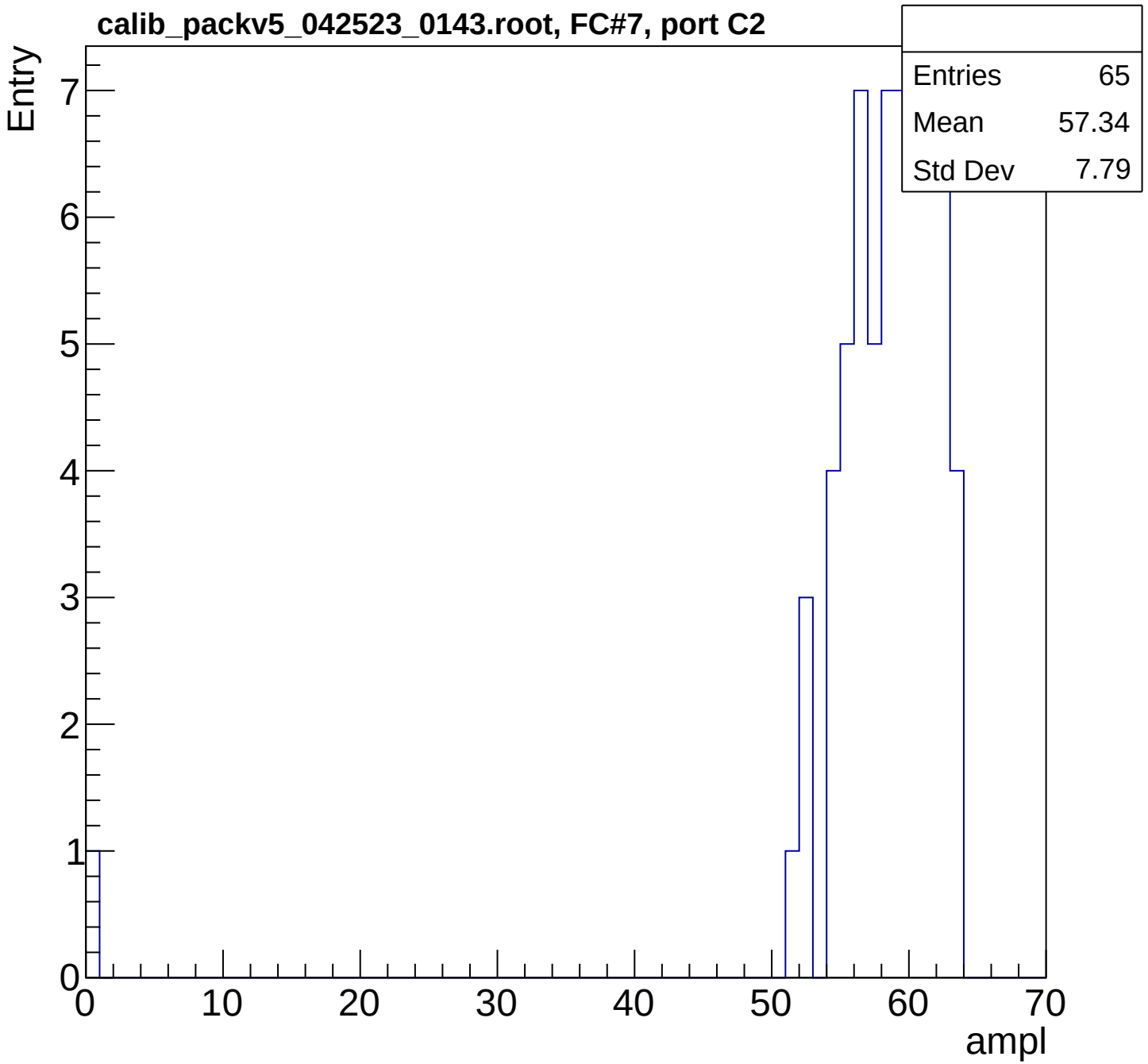
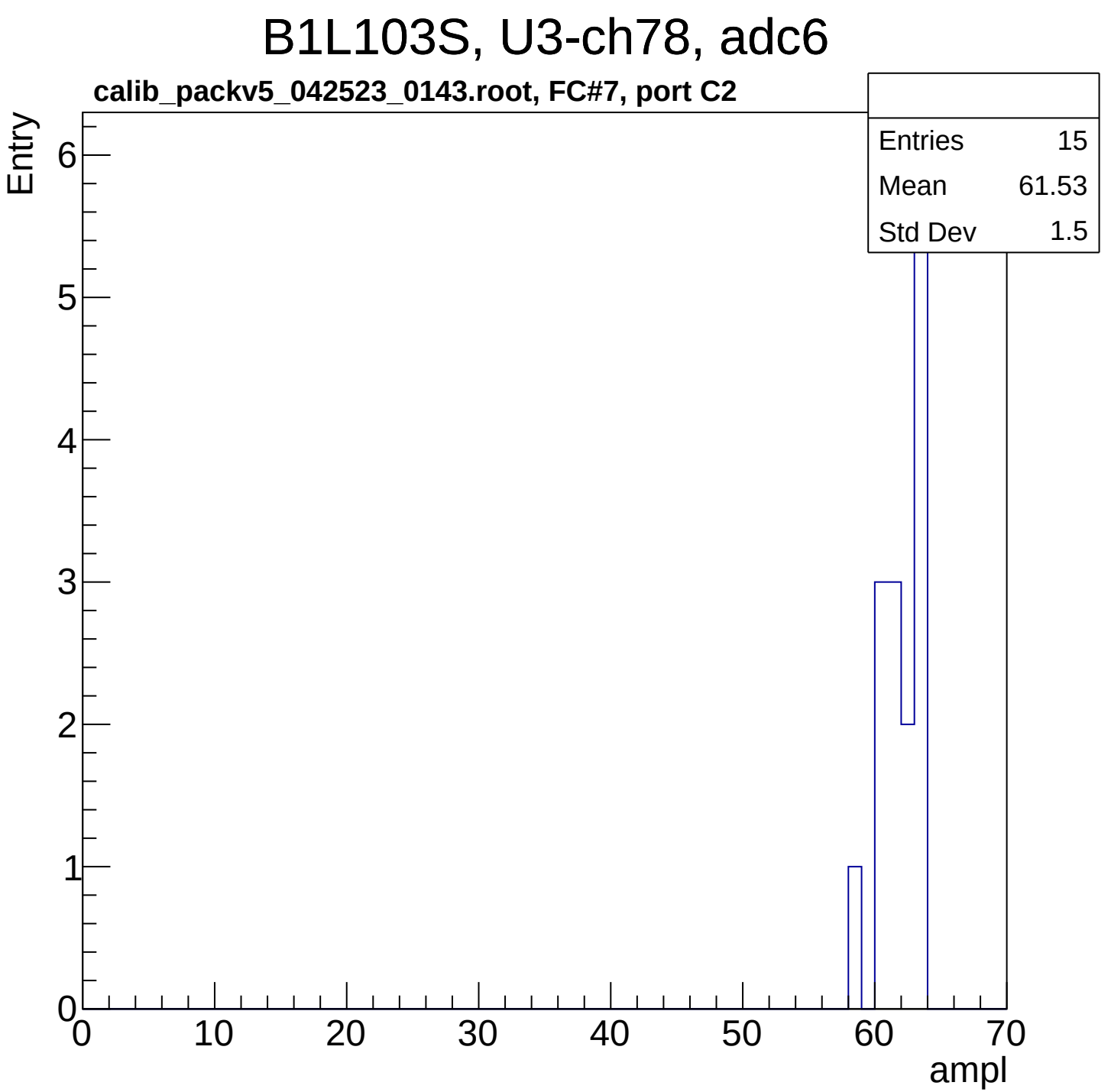
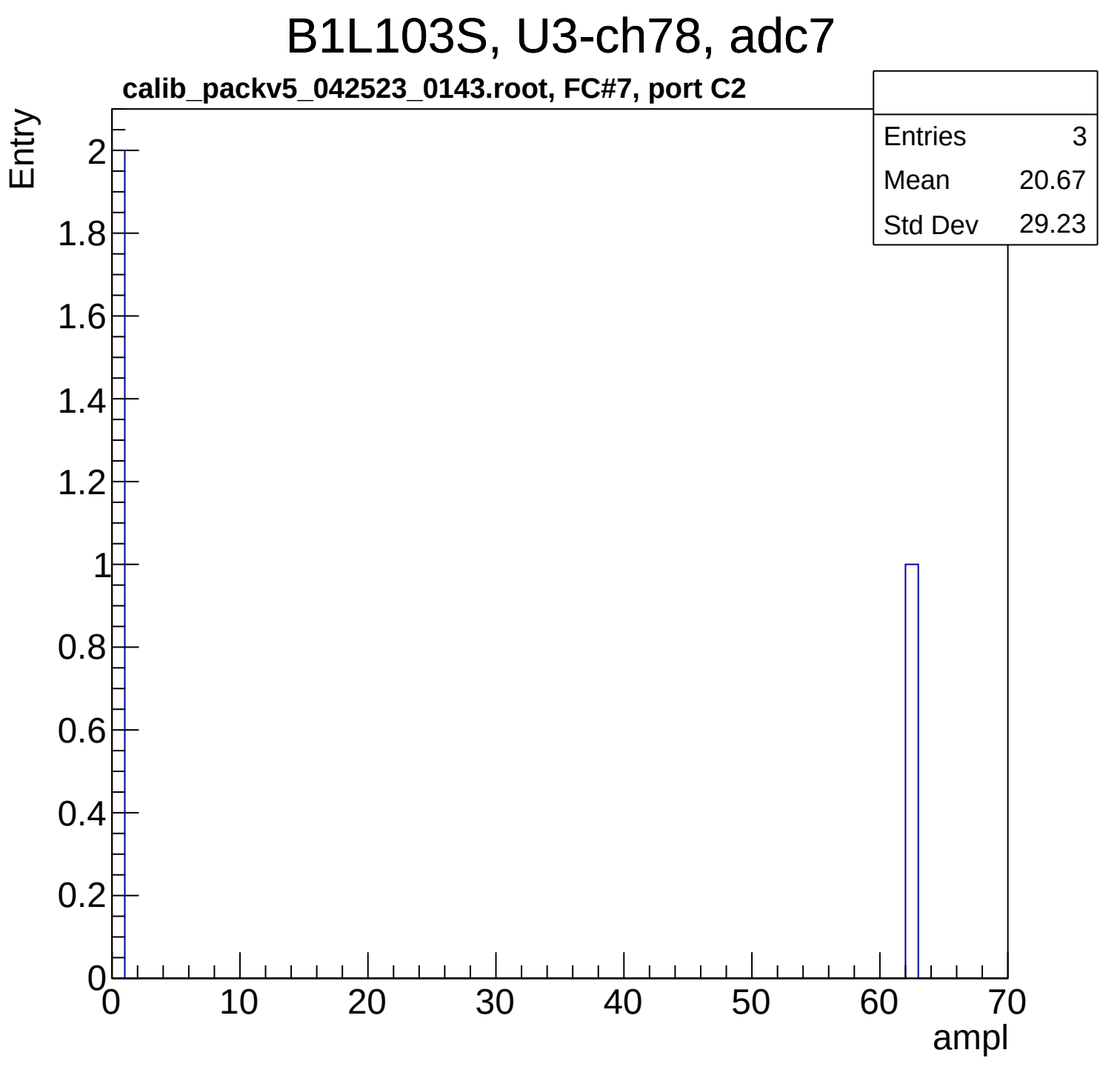
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

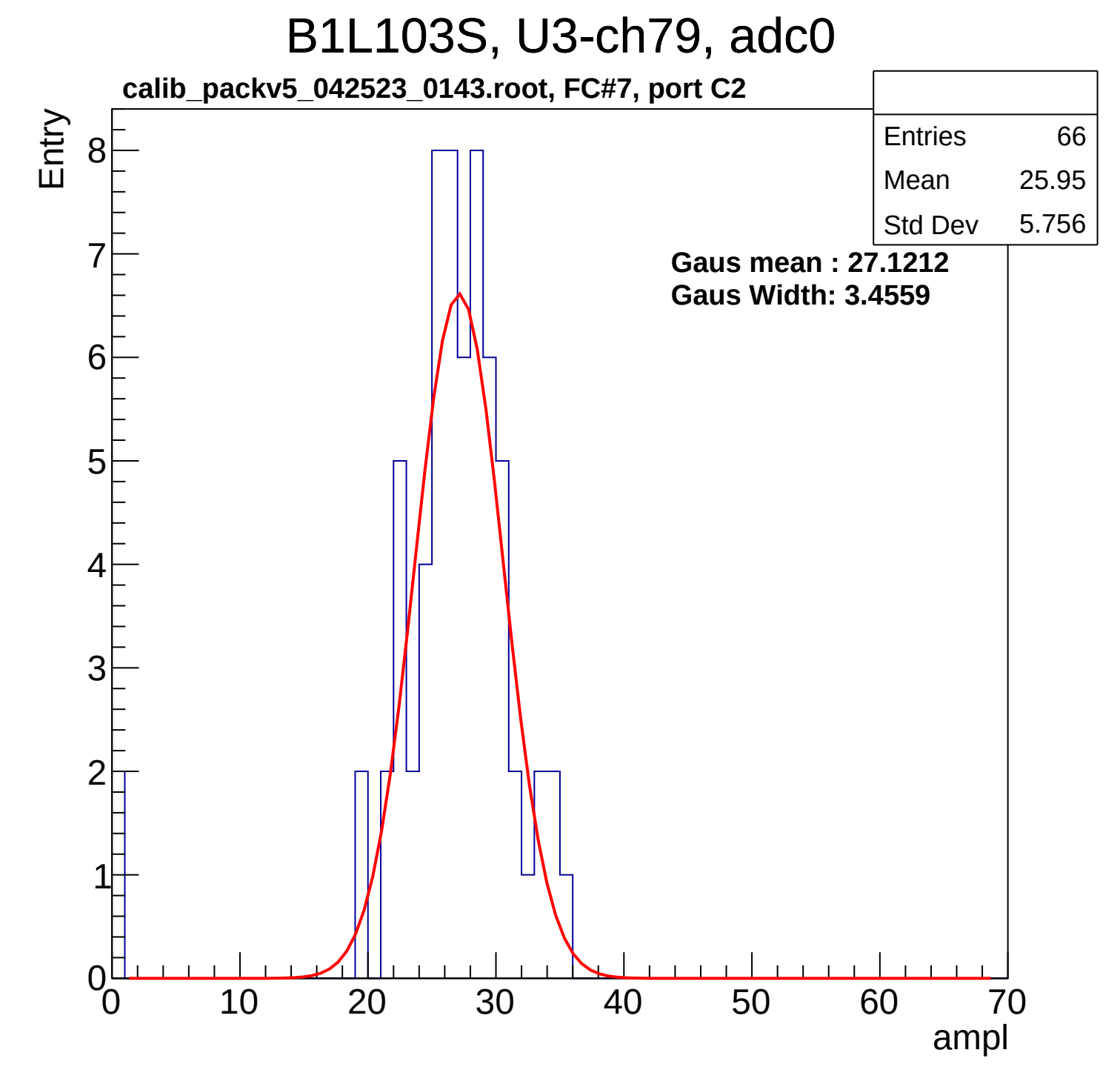

B1L103S, U3-ch78, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 47.58
Std Dev 3.837
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

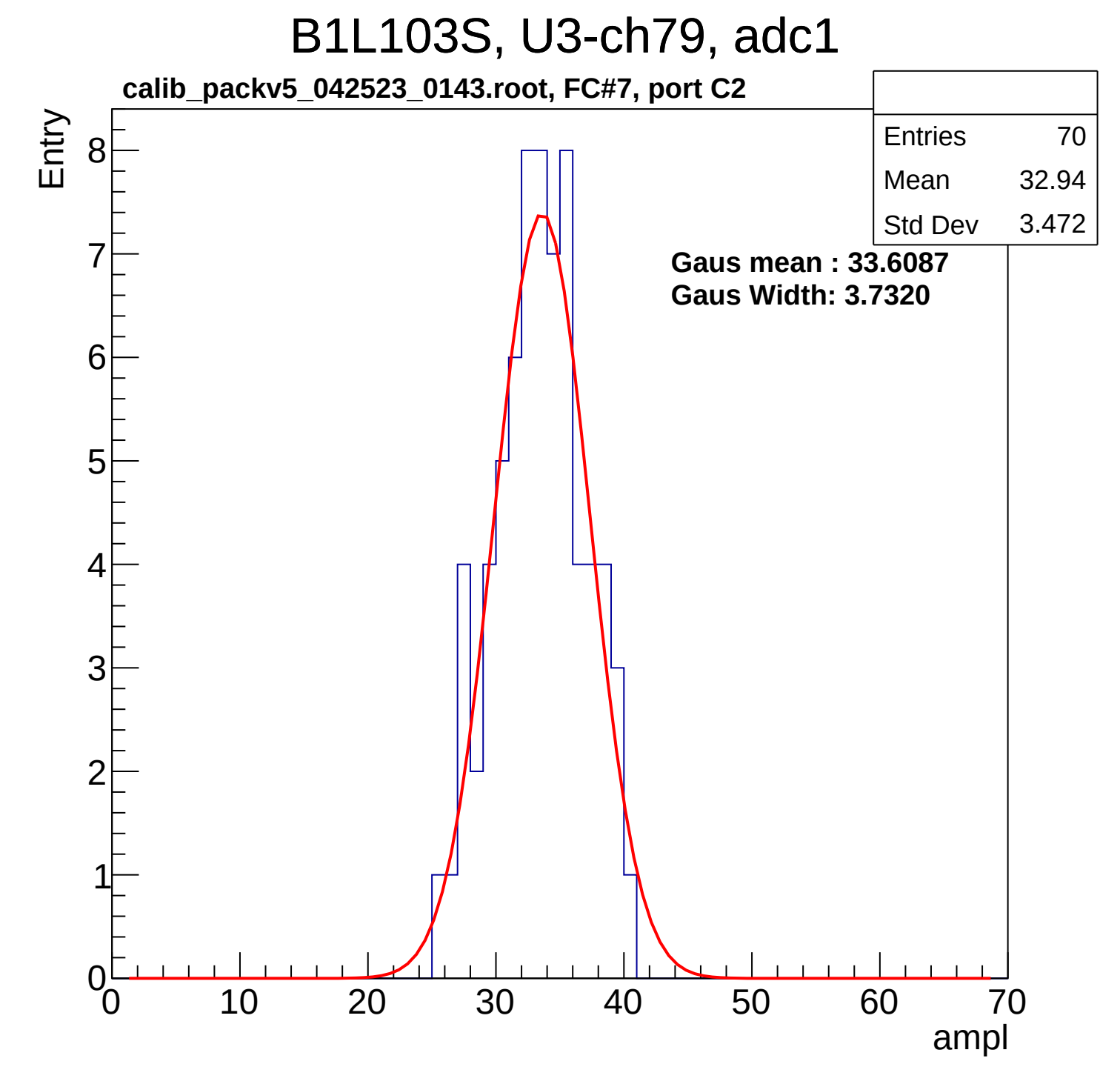

B1L103S, U3-ch78, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 53.28
Std Dev 3.399
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl

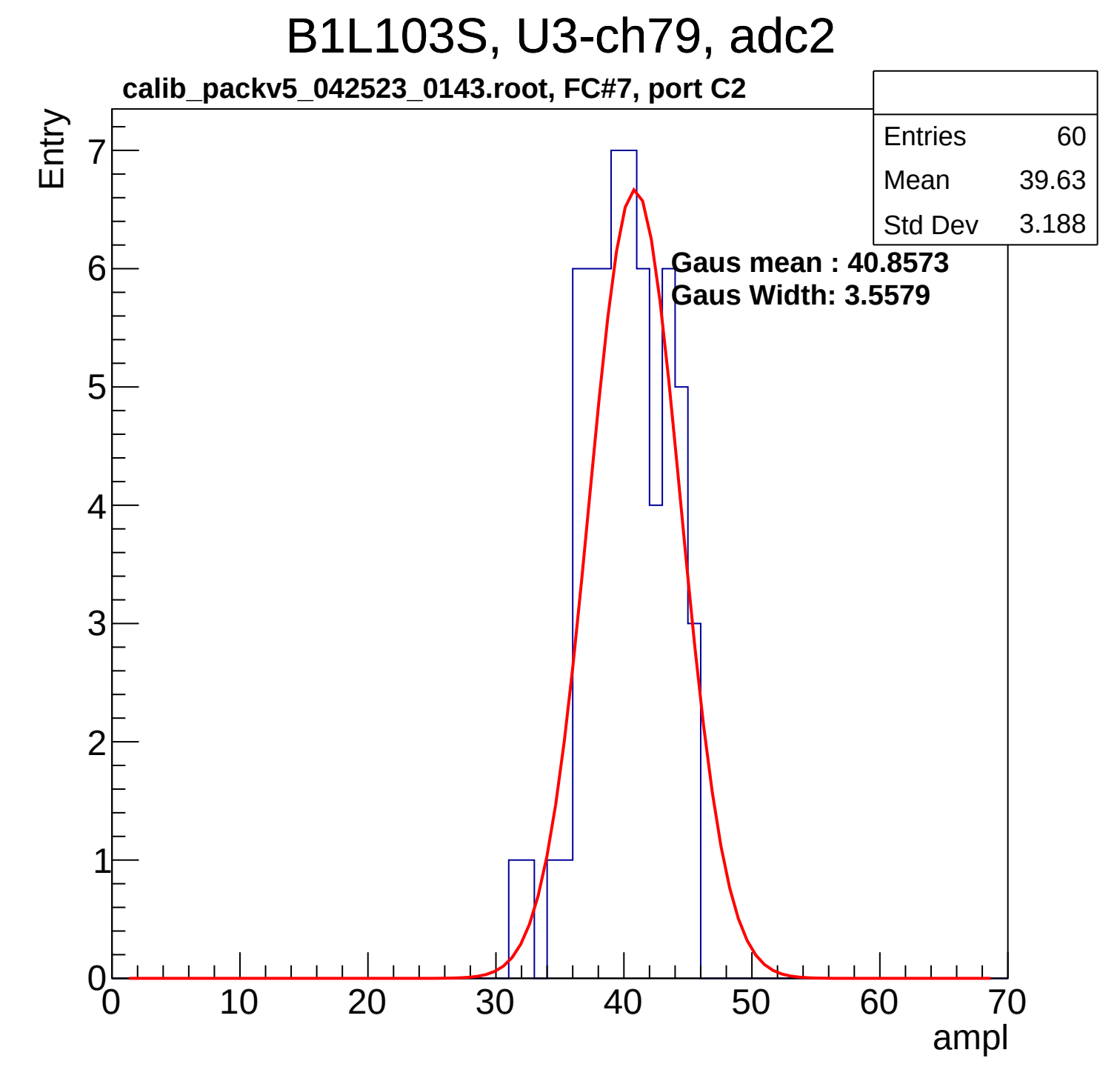

B1L103S, U3-ch78, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 57.34
Std Dev 7.79
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70

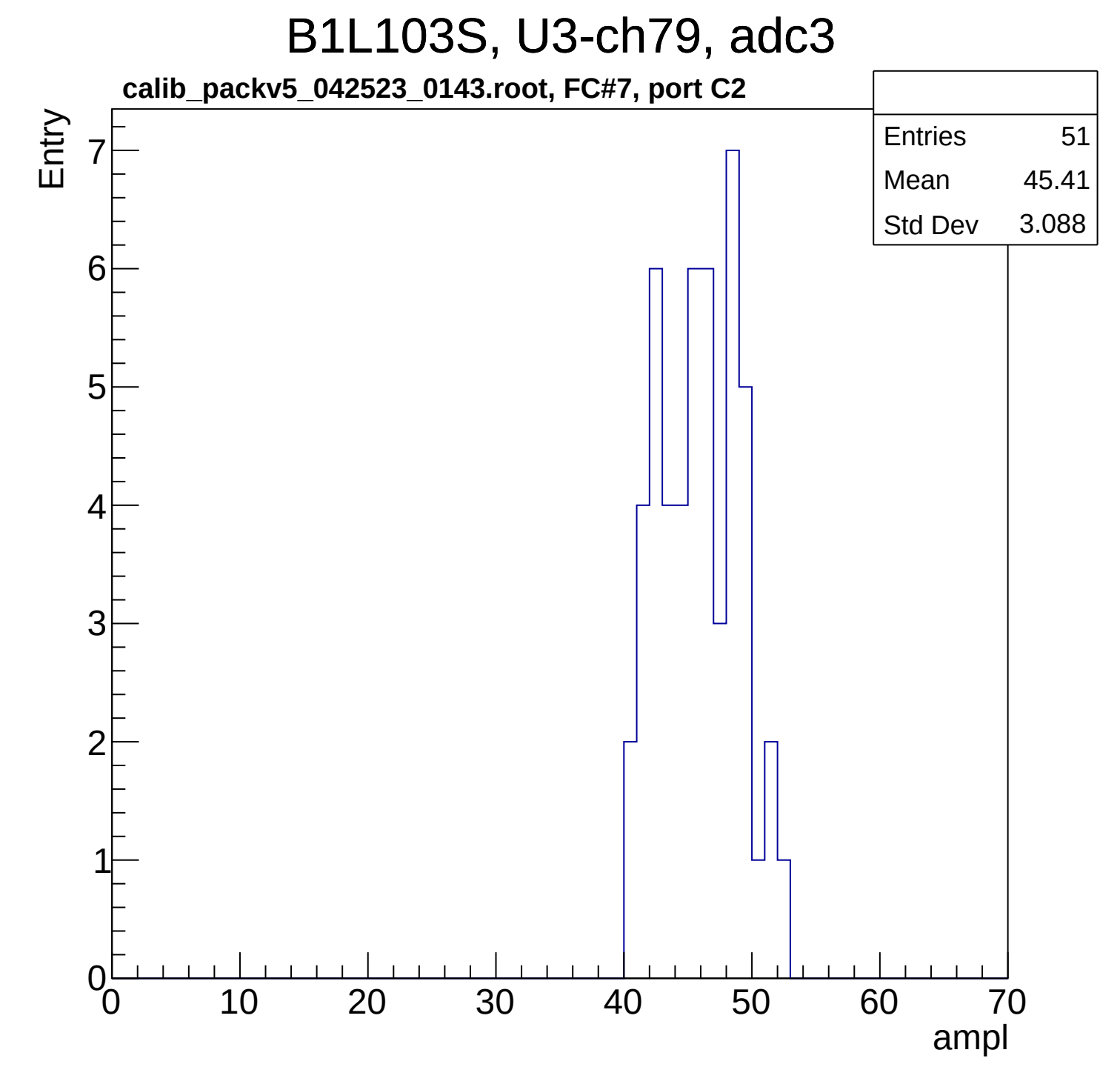

B1L103S, U3-ch78, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 61.53
Std Dev 1.5
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch78, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 20.67
Std Dev 29.23
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


B1L103S, U3-ch79, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 25.95
Std Dev 5.756
Gaus mean : 27.1212
Gaus Width: 3.4559
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch79, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 32.94
Std Dev 3.472
Gaus mean : 33.6087
Gaus Width: 3.7320
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch79, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 39.63
Std Dev 3.188
Gaus mean : 40.8573
Gaus Width: 3.5579
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch79, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 45.41
Std Dev 3.088
Entry
ampl
0
1
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3
4
5
6
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0
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20
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40
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60
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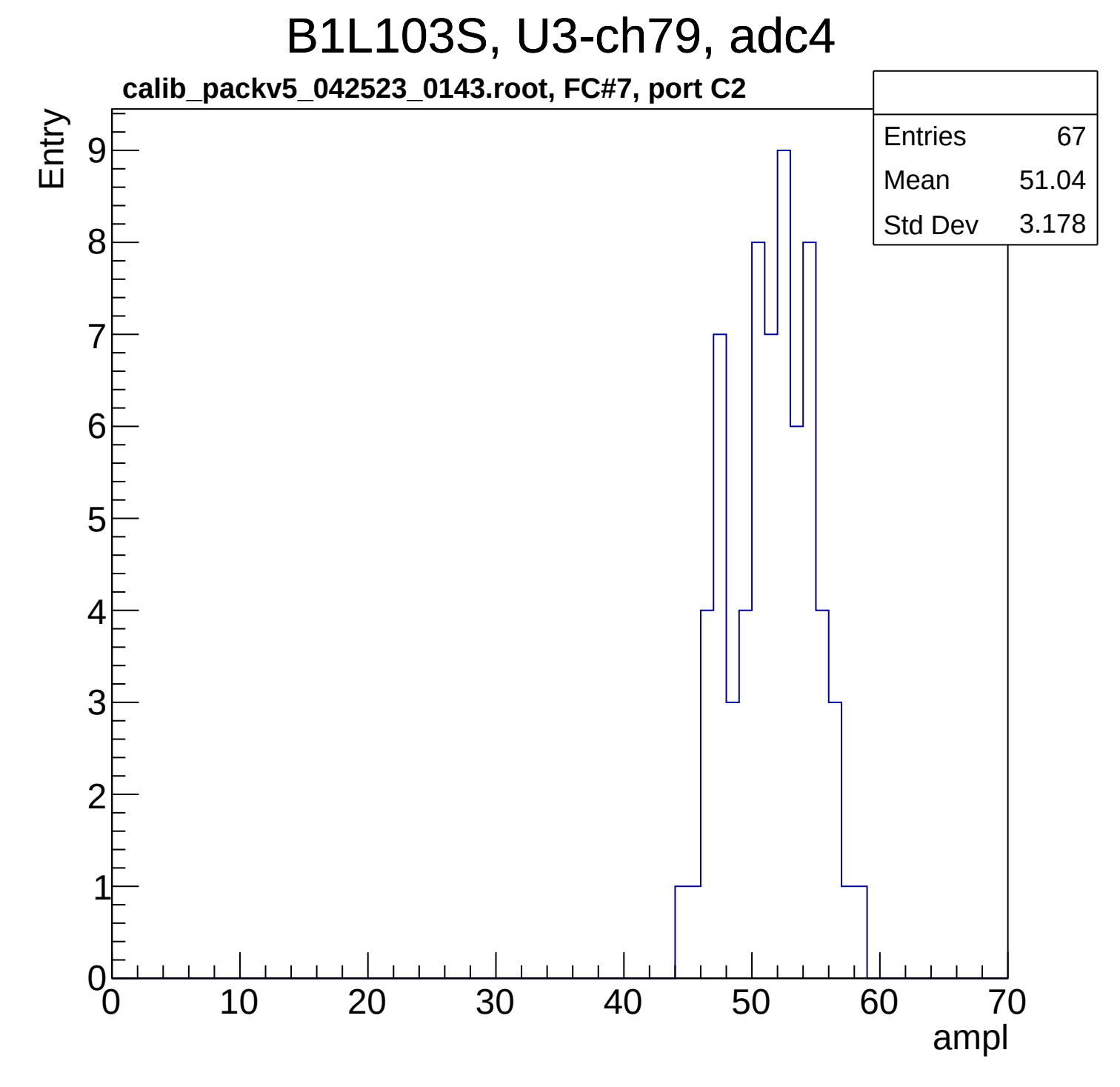
B1L103S, U3-ch79, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 51.04
Std Dev 3.178
Entry
ampl
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3
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6
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8
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0
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40
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60
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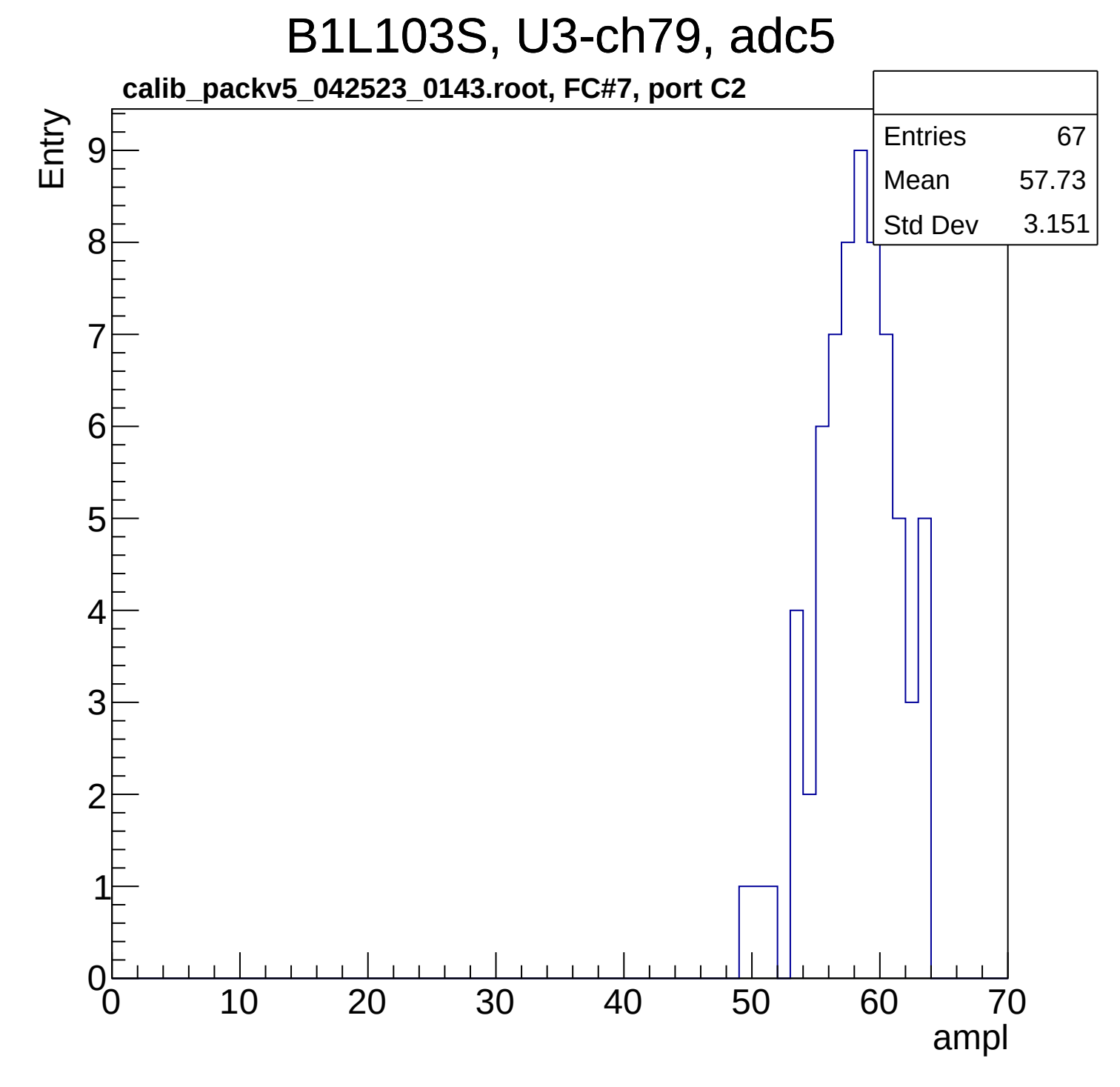
B1L103S, U3-ch79, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 57.73
Std Dev 3.151
Entry
ampl
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0
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20
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40
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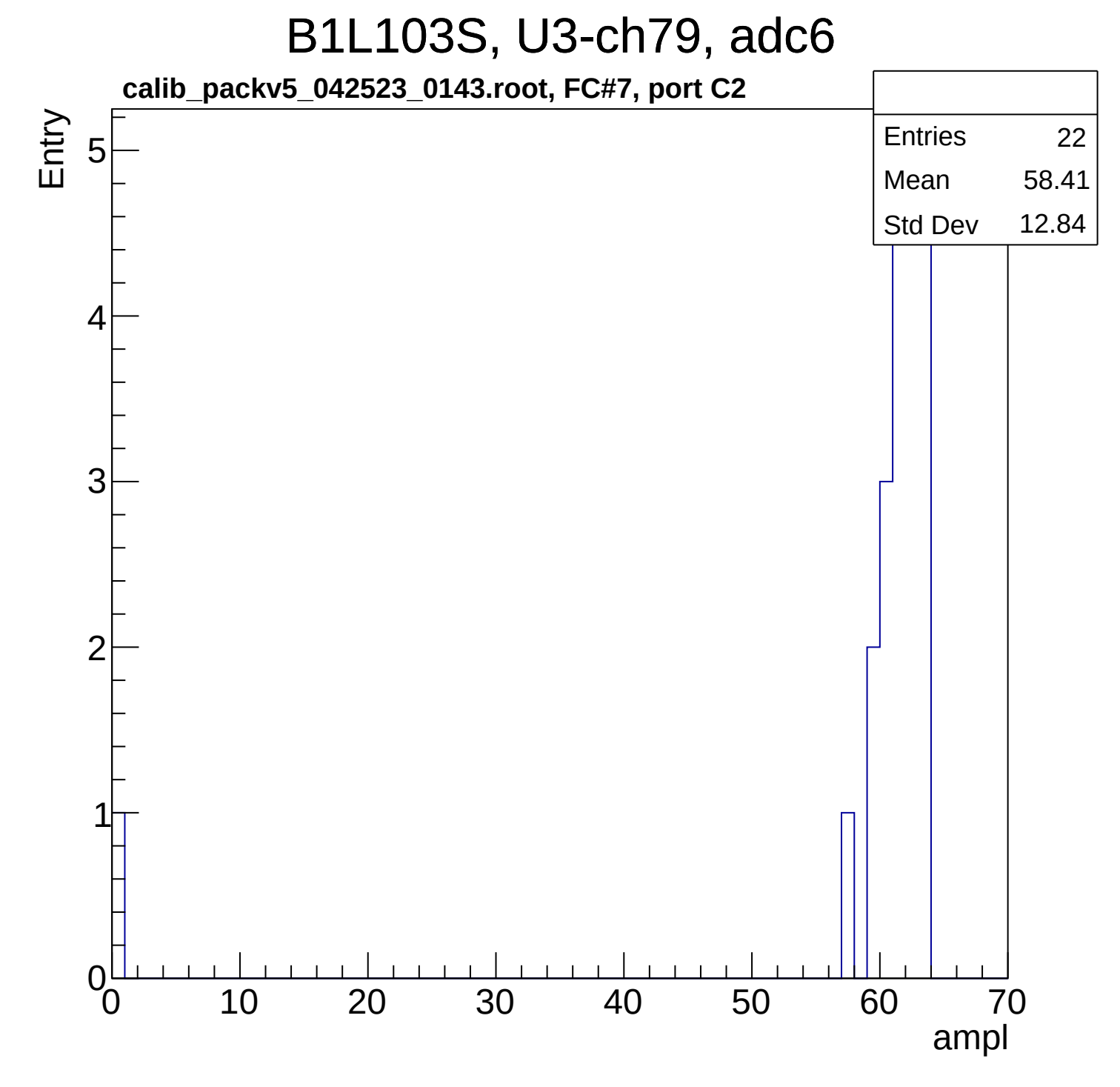
60
70


B1L103S, U3-ch79, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 22
Mean 58.41
Std Dev 12.84
Entry
0
1
2
3
4
5
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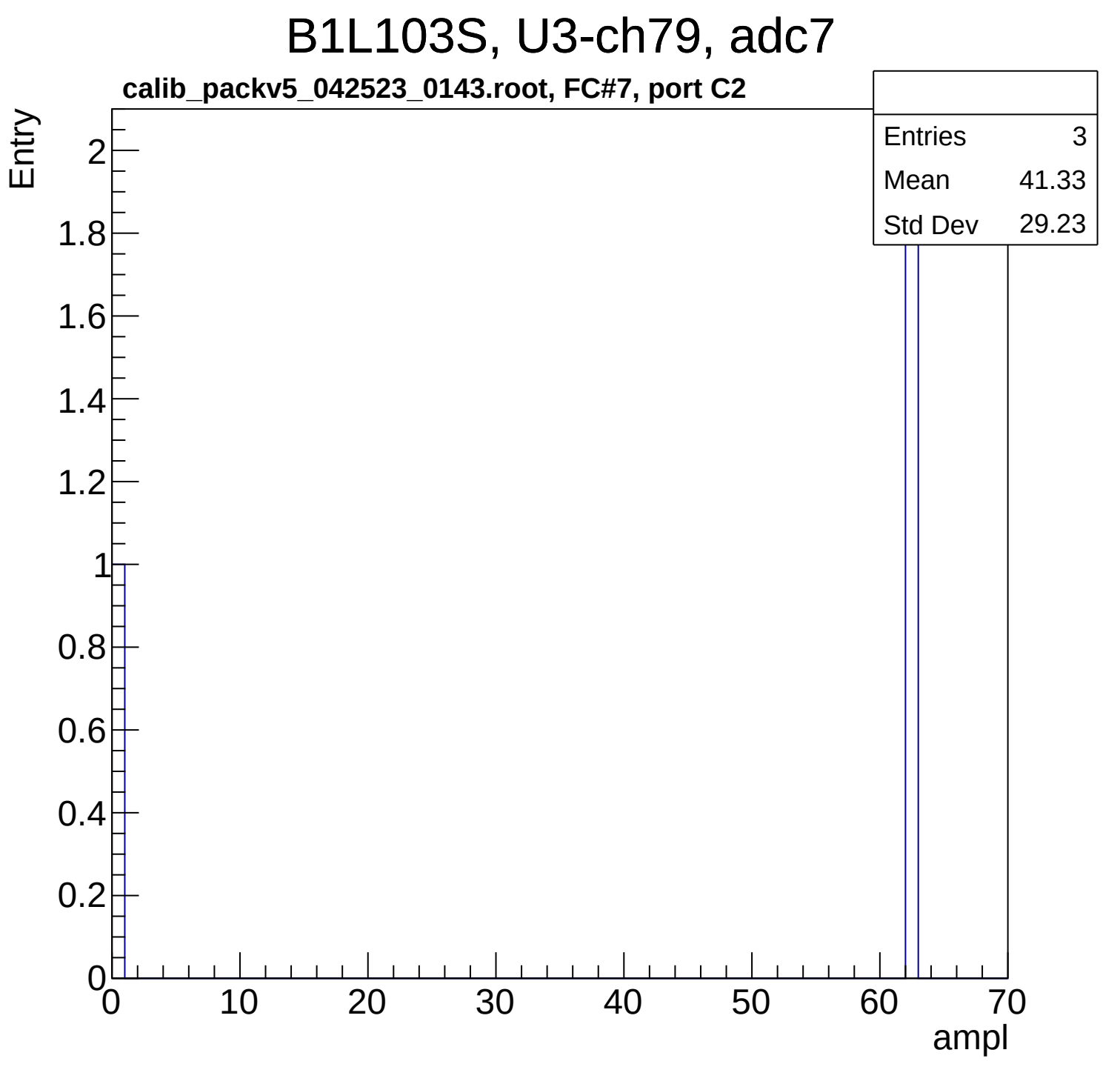
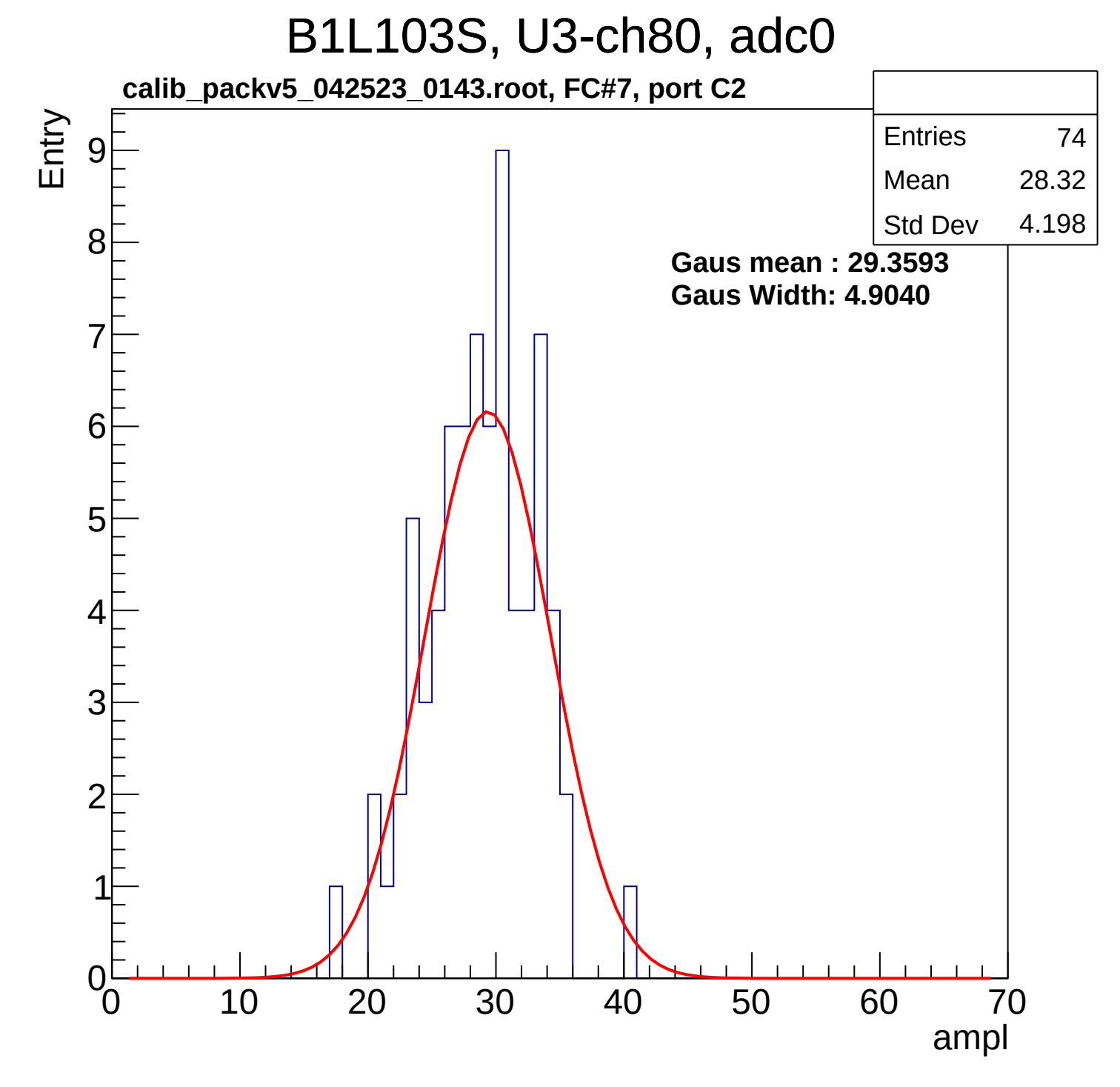
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch79, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 41.33
Std Dev 29.23
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


B1L103S, U3-ch80, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 28.32
Std Dev 4.198
Gaus mean : 29.3593
Gaus Width: 4.9040
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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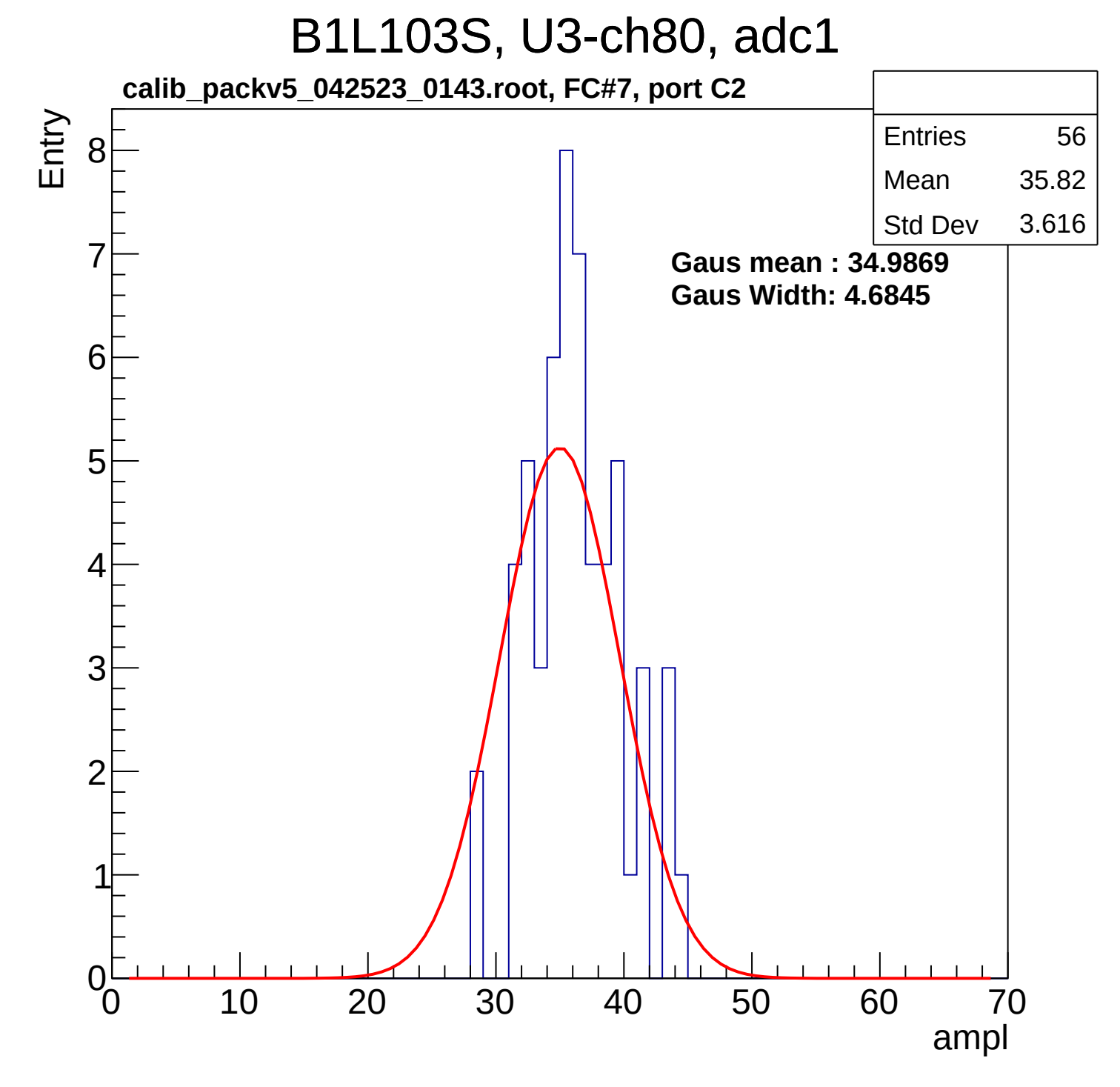
B1L103S, U3-ch80, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 35.82
Std Dev 3.616
Gaus mean : 34.9869
Gaus Width: 4.6845
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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60
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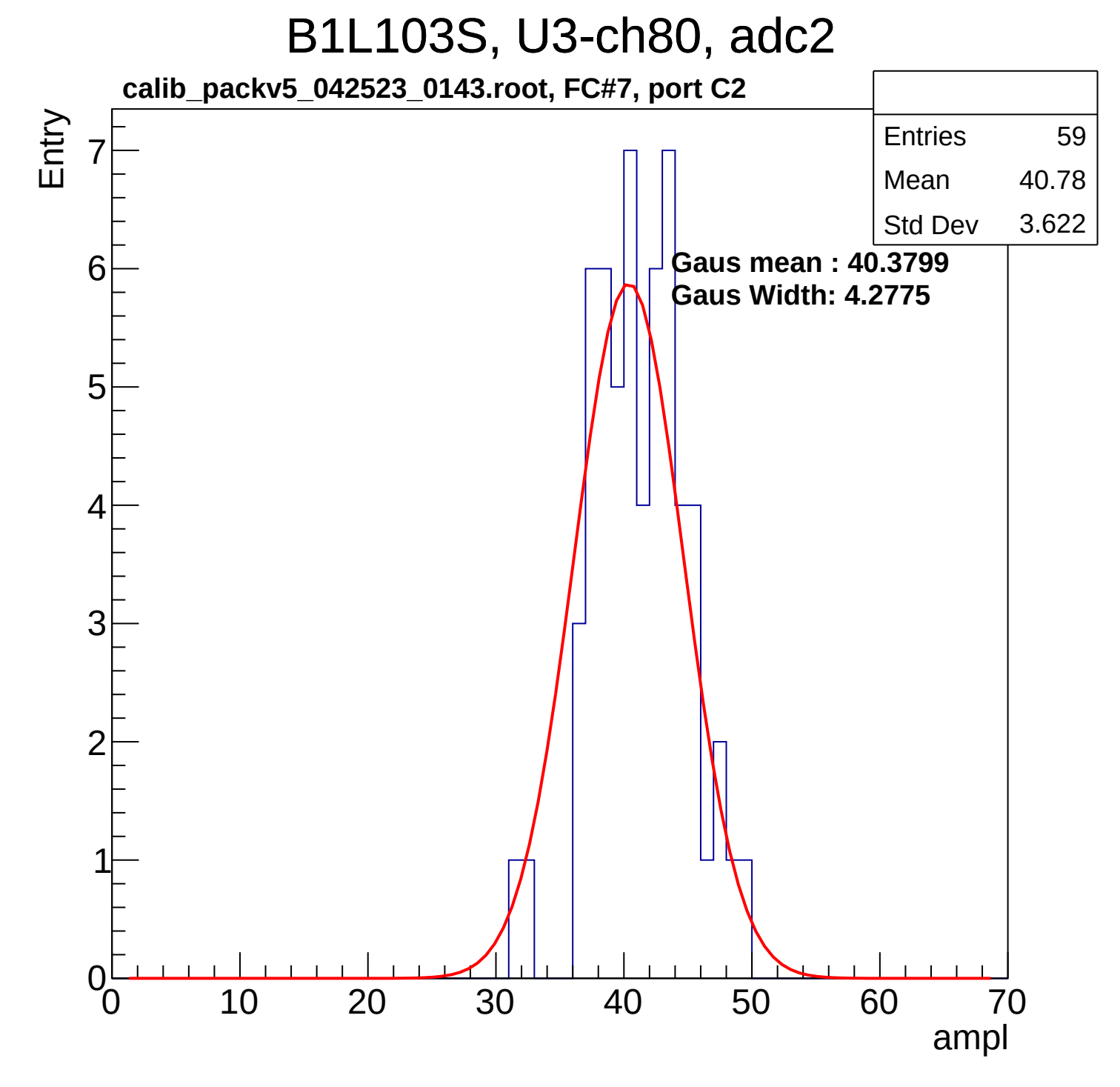
B1L103S, U3-ch80, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 40.78
Std Dev 3.622
Gaus mean : 40.3799
Gaus Width: 4.2775
Entry
ampl
0
1
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3
4
5
6
7
0
10
20
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40
50
60
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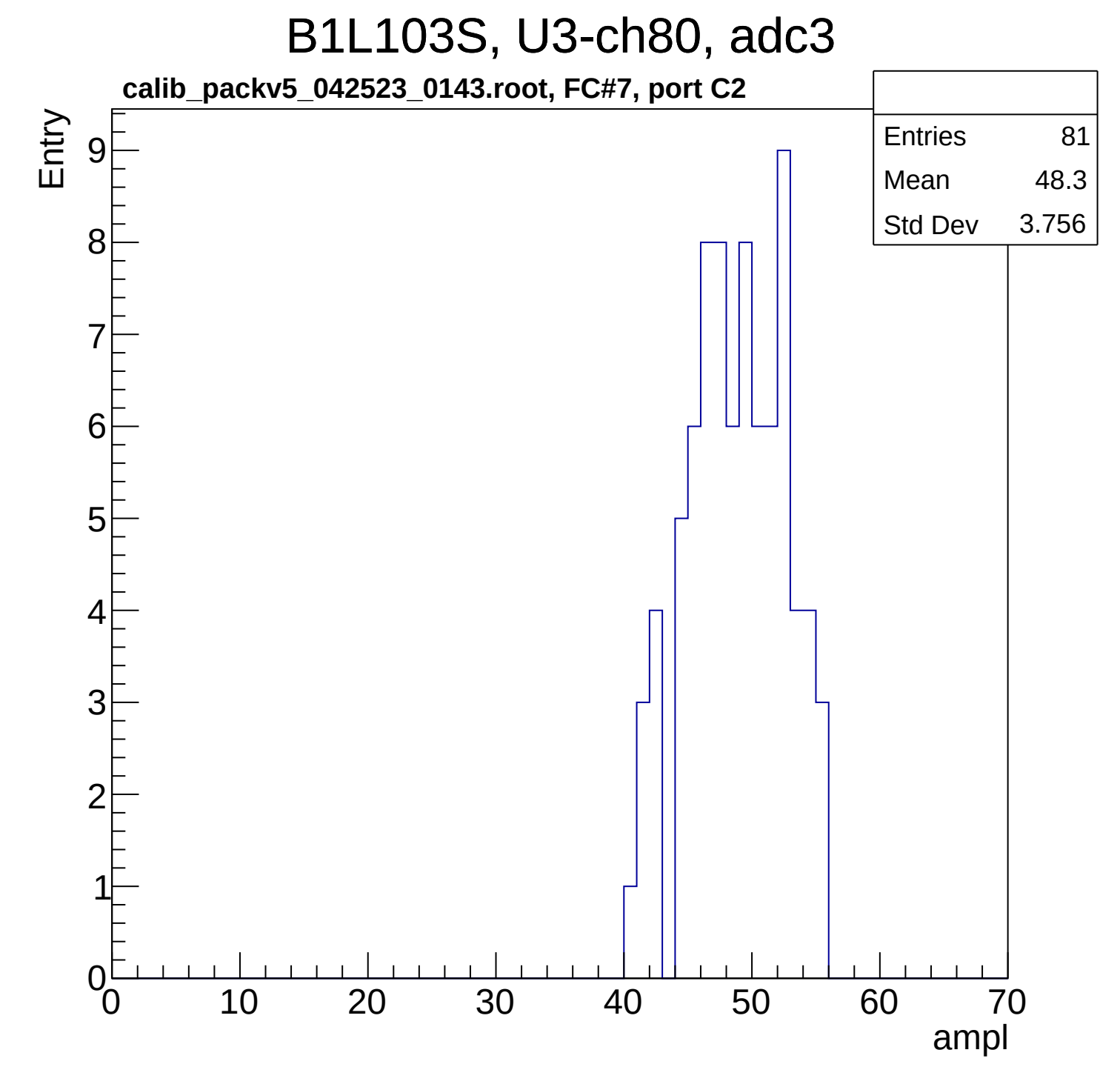
B1L103S, U3-ch80, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 48.3
Std Dev 3.756
Entry
ampl
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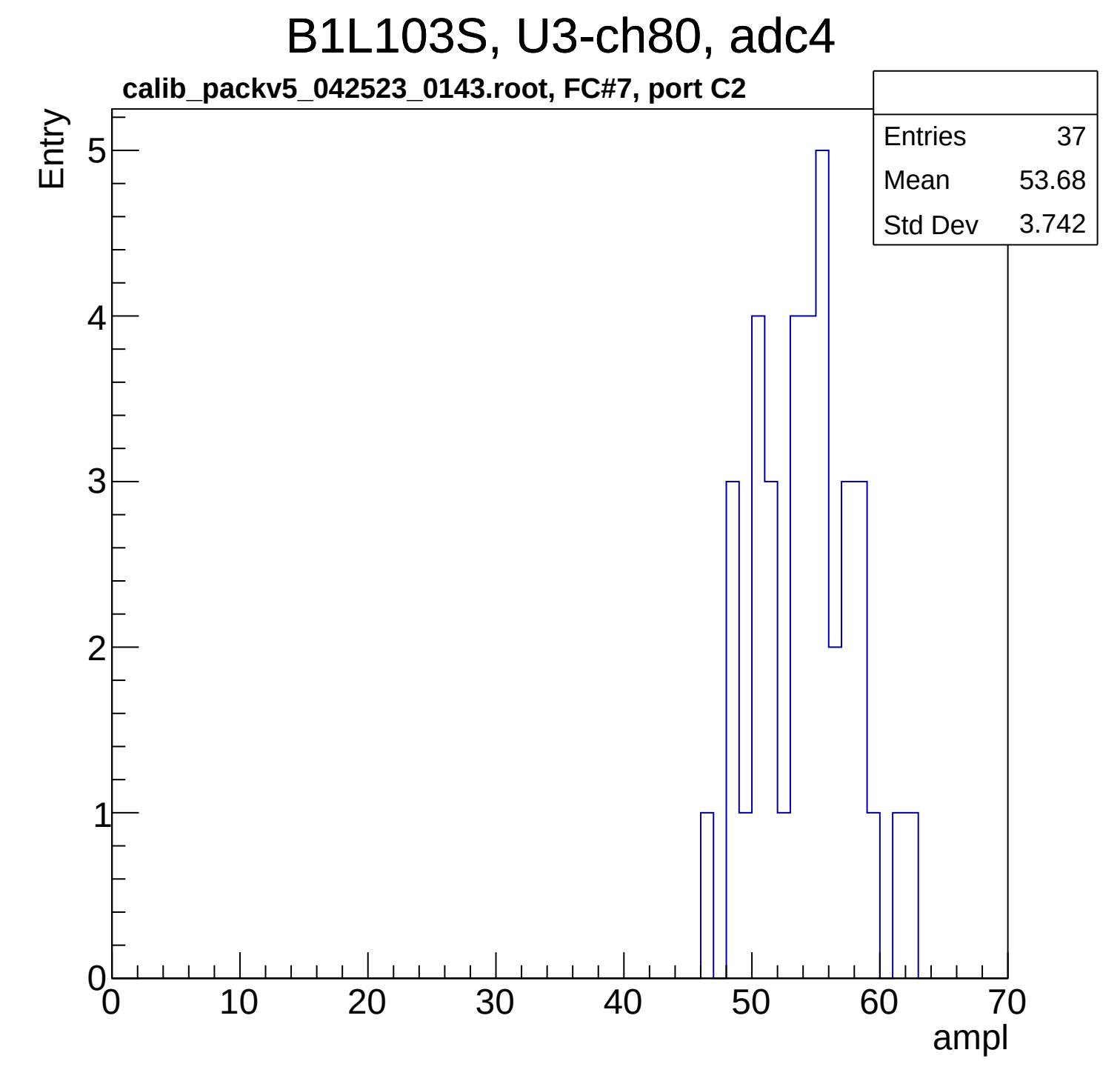
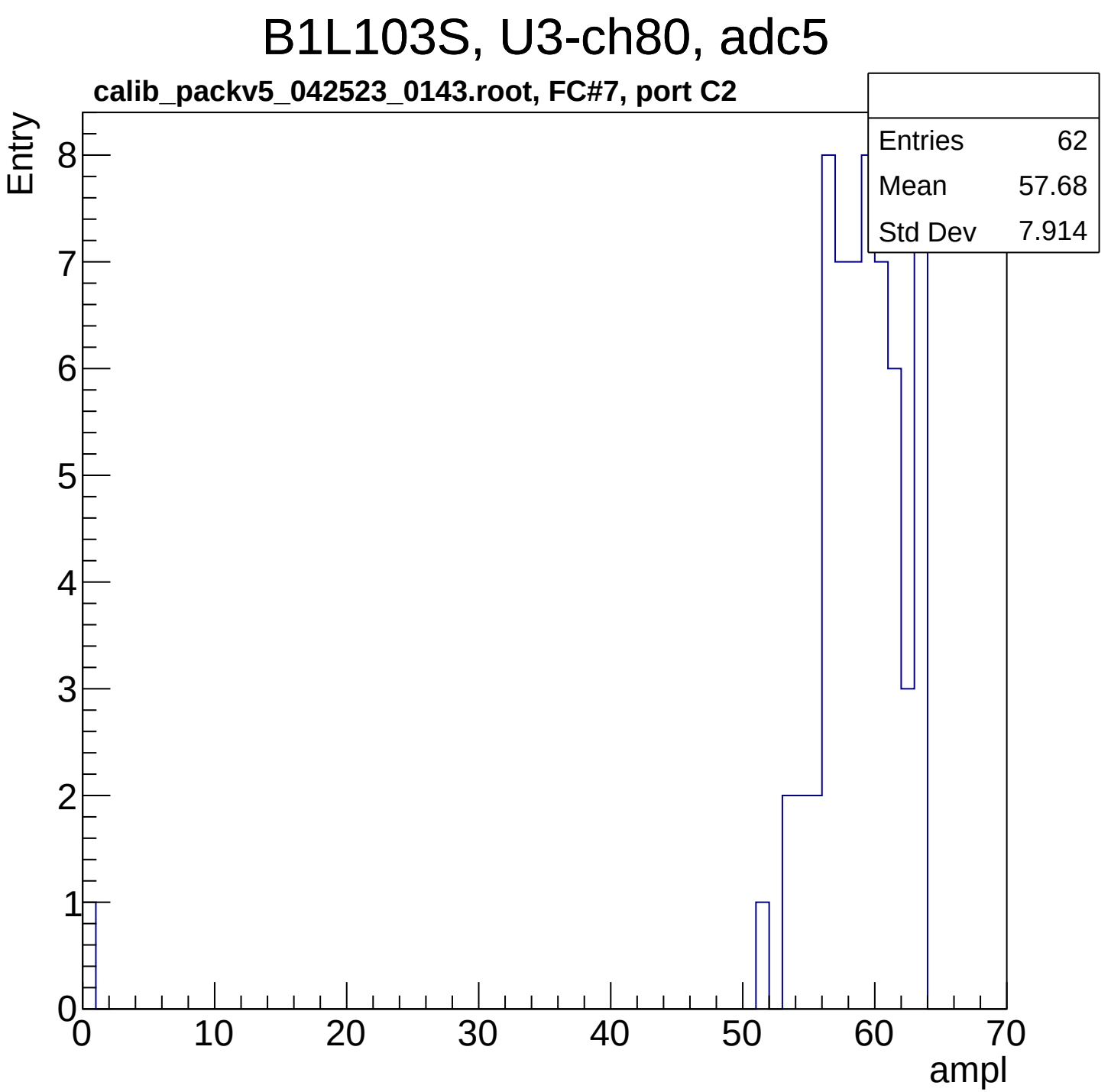
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch80, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 37
Mean 53.68
Std Dev 3.742
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B1L103S, U3-ch80, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 57.68
Std Dev 7.914
Entry
ampl
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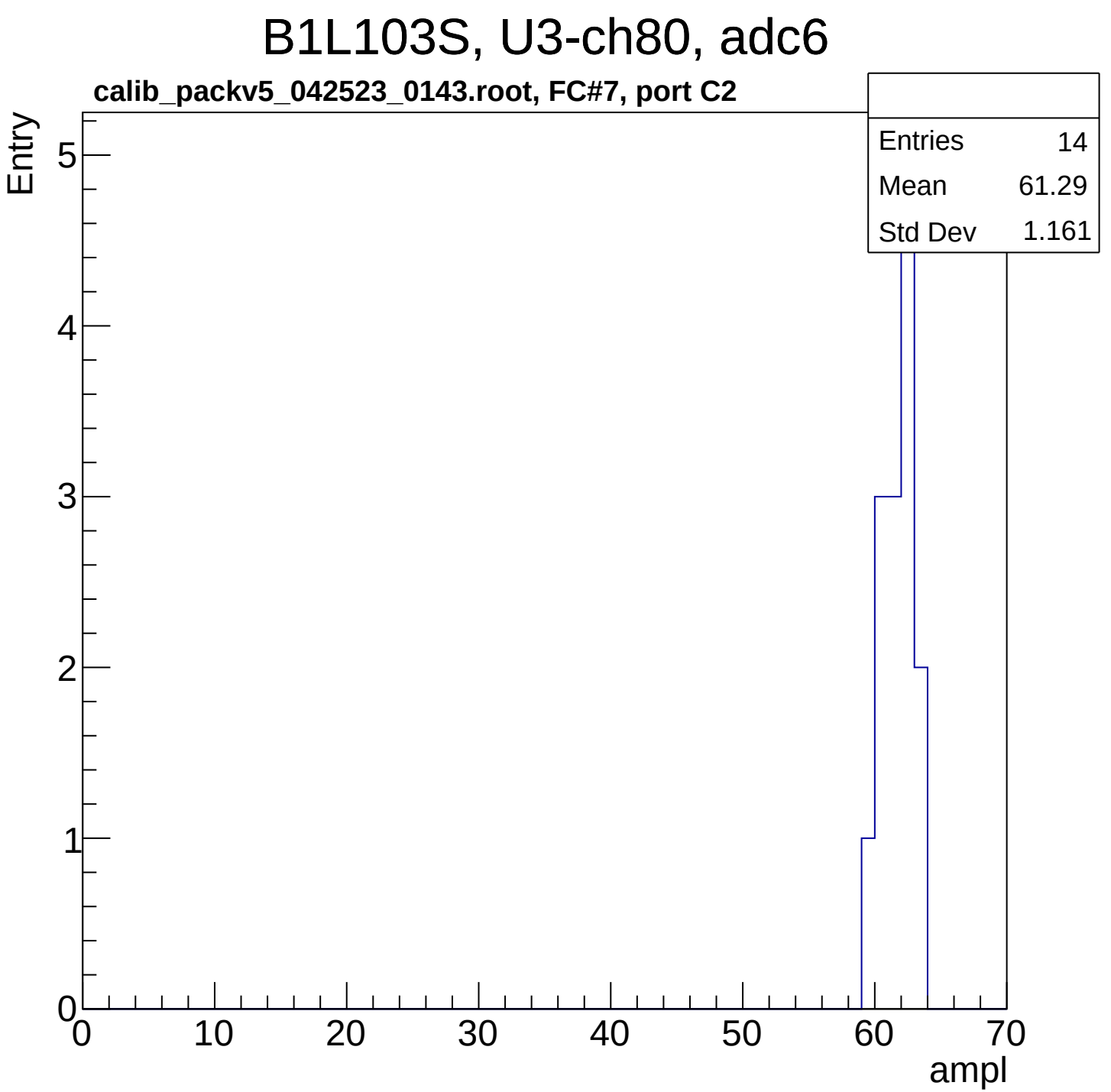
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch80, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 61.29
Std Dev 1.161
Entry
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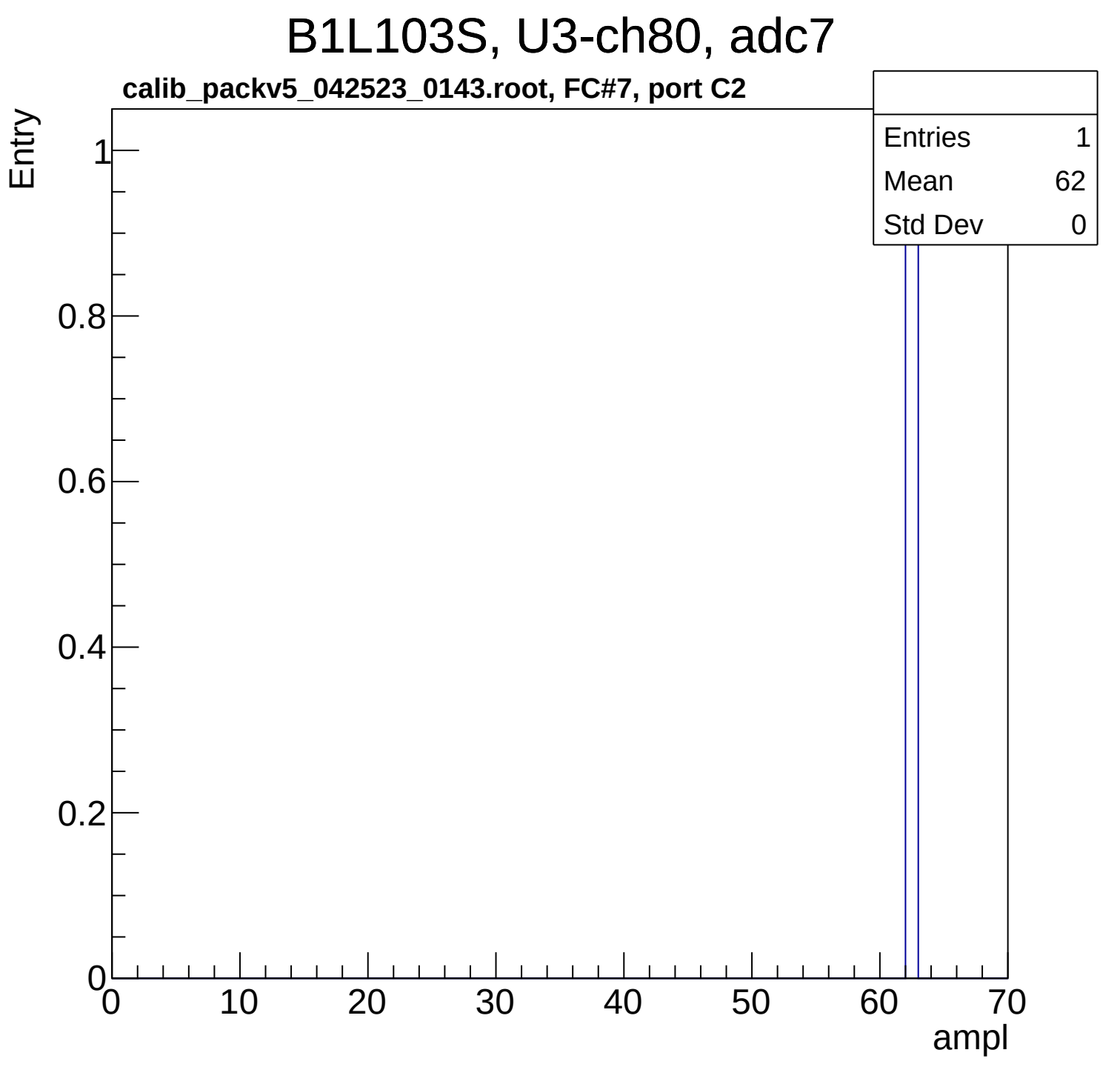
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch80, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 62
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
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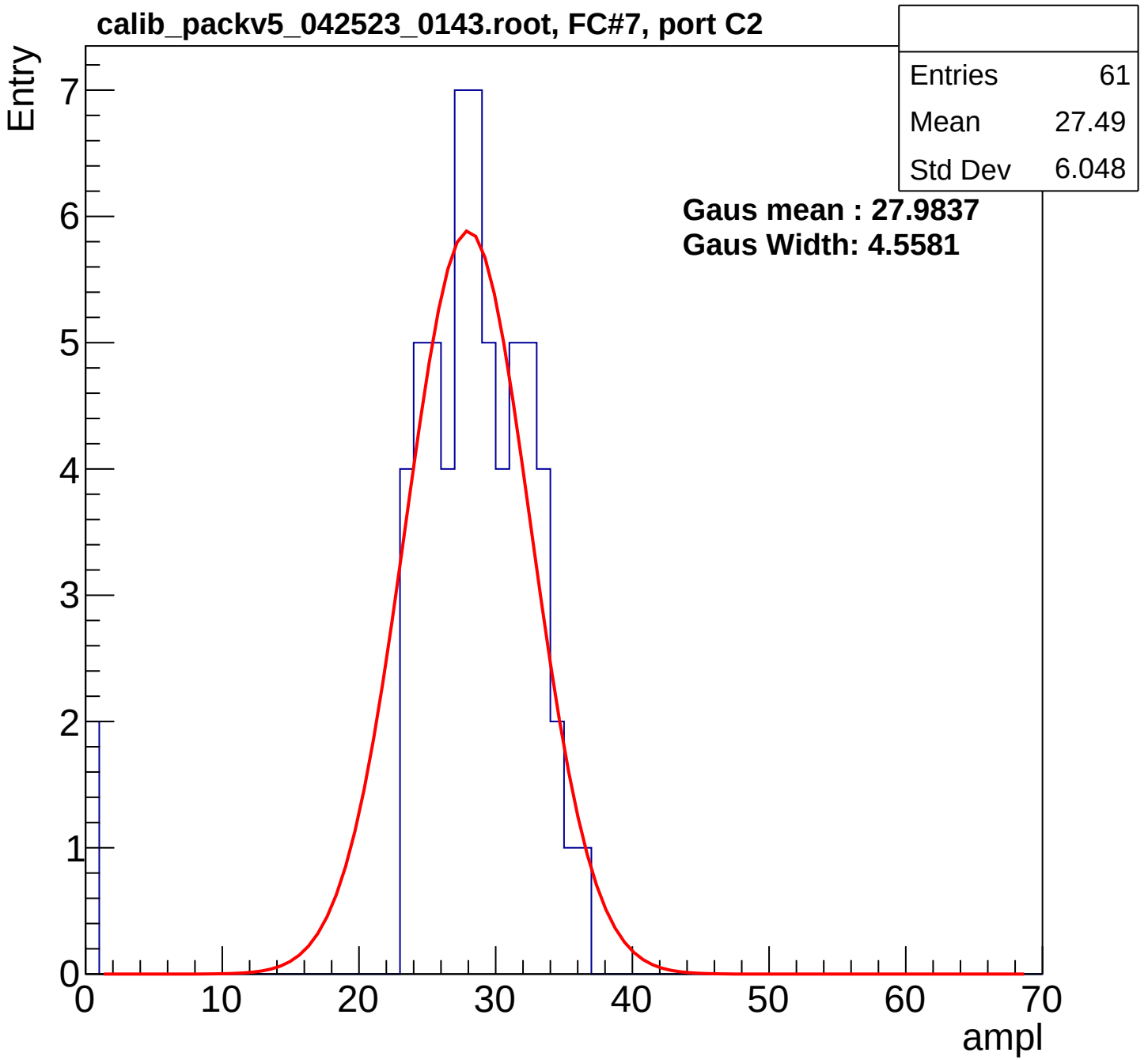
50
60
70
ampl


B1L103S, U3-ch81, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 27.49
Std Dev 6.048
Gaus mean : 27.9837
Gaus Width: 4.5581
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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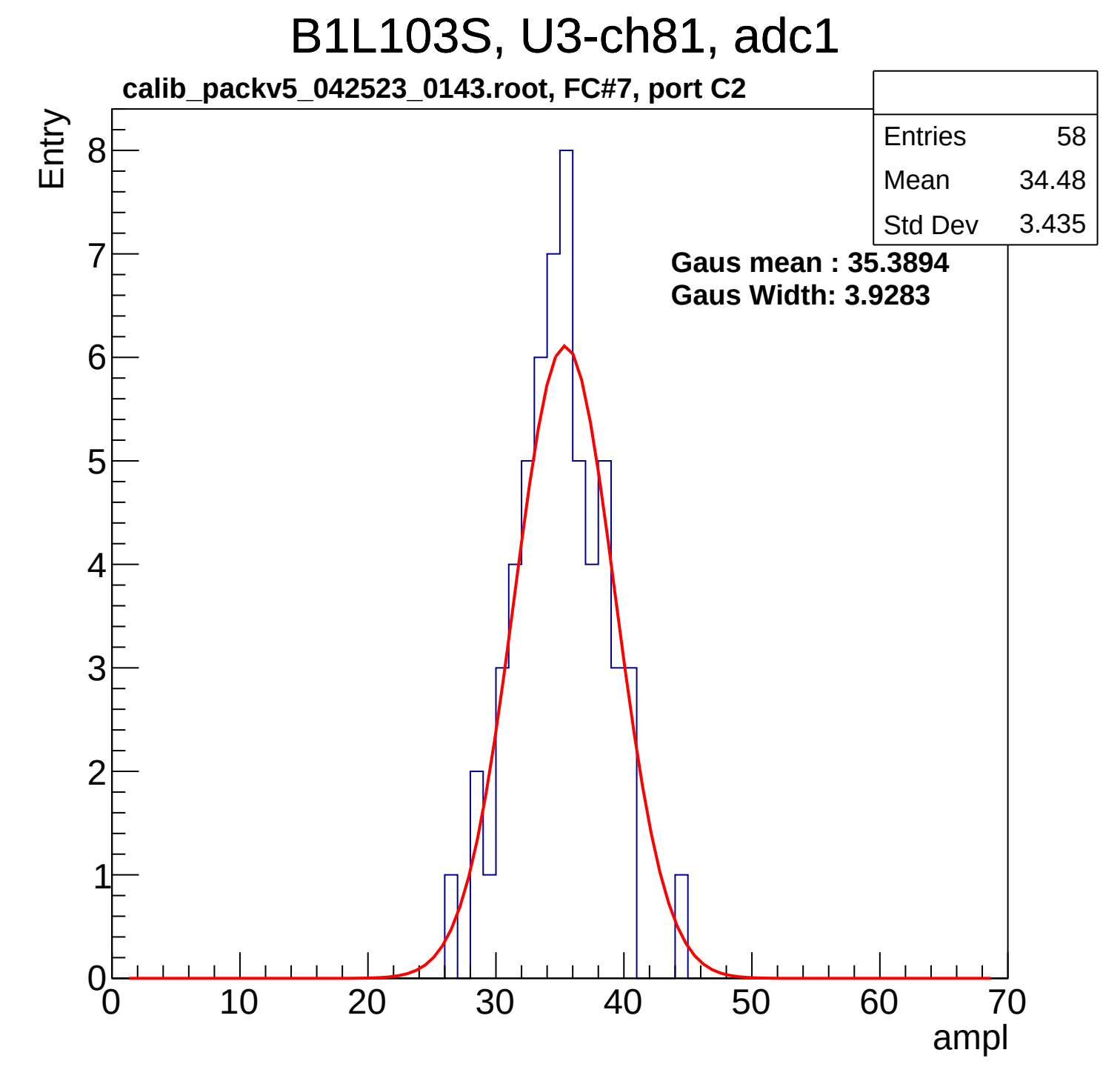
B1L103S, U3-ch81, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 34.48
Std Dev 3.435
Gaus mean : 35.3894
Gaus Width: 3.9283
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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20
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40
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60
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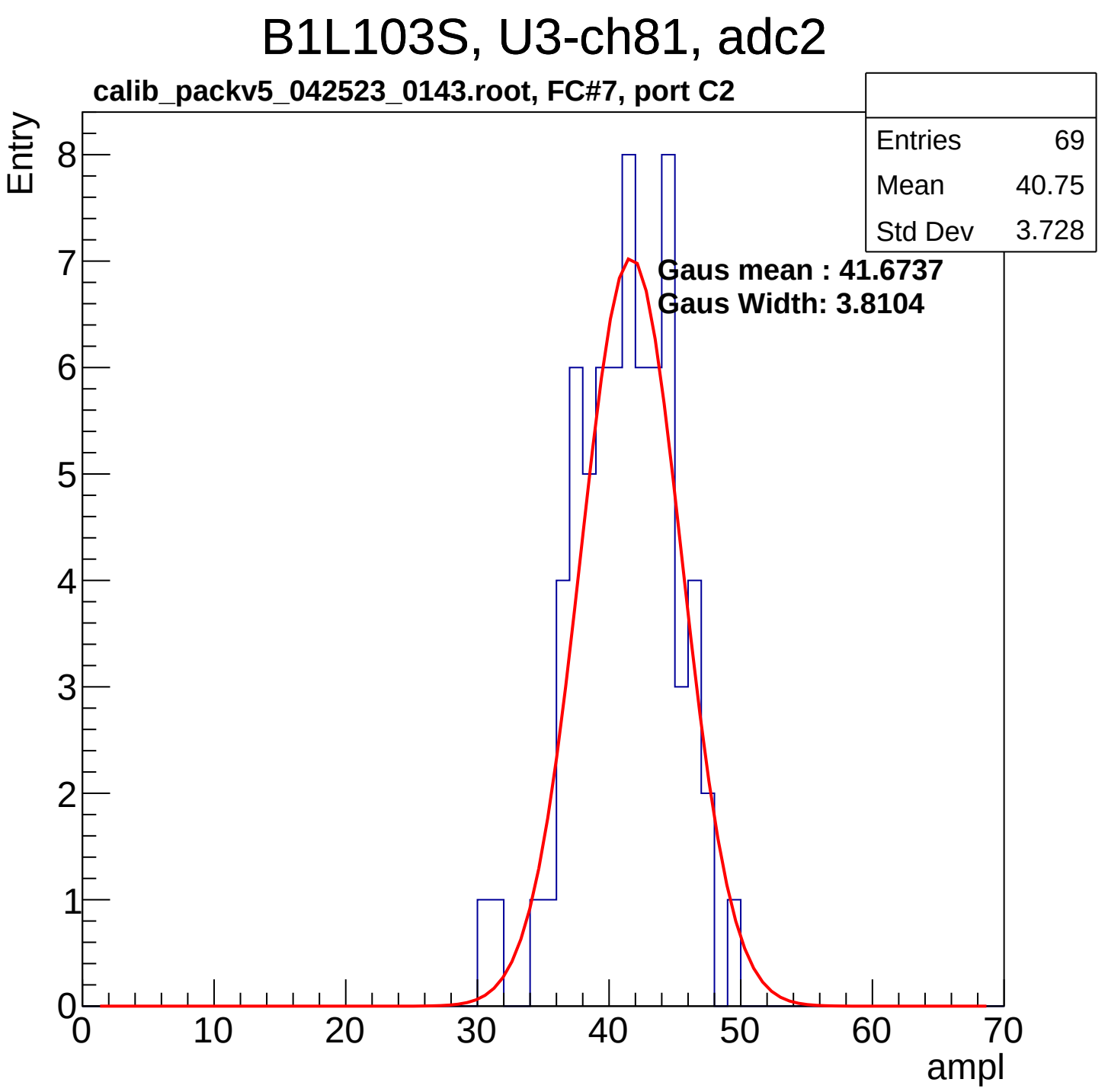
B1L103S, U3-ch81, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 40.75
Std Dev 3.728
Gaus mean : 41.6737
Gaus Width: 3.8104
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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20
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60
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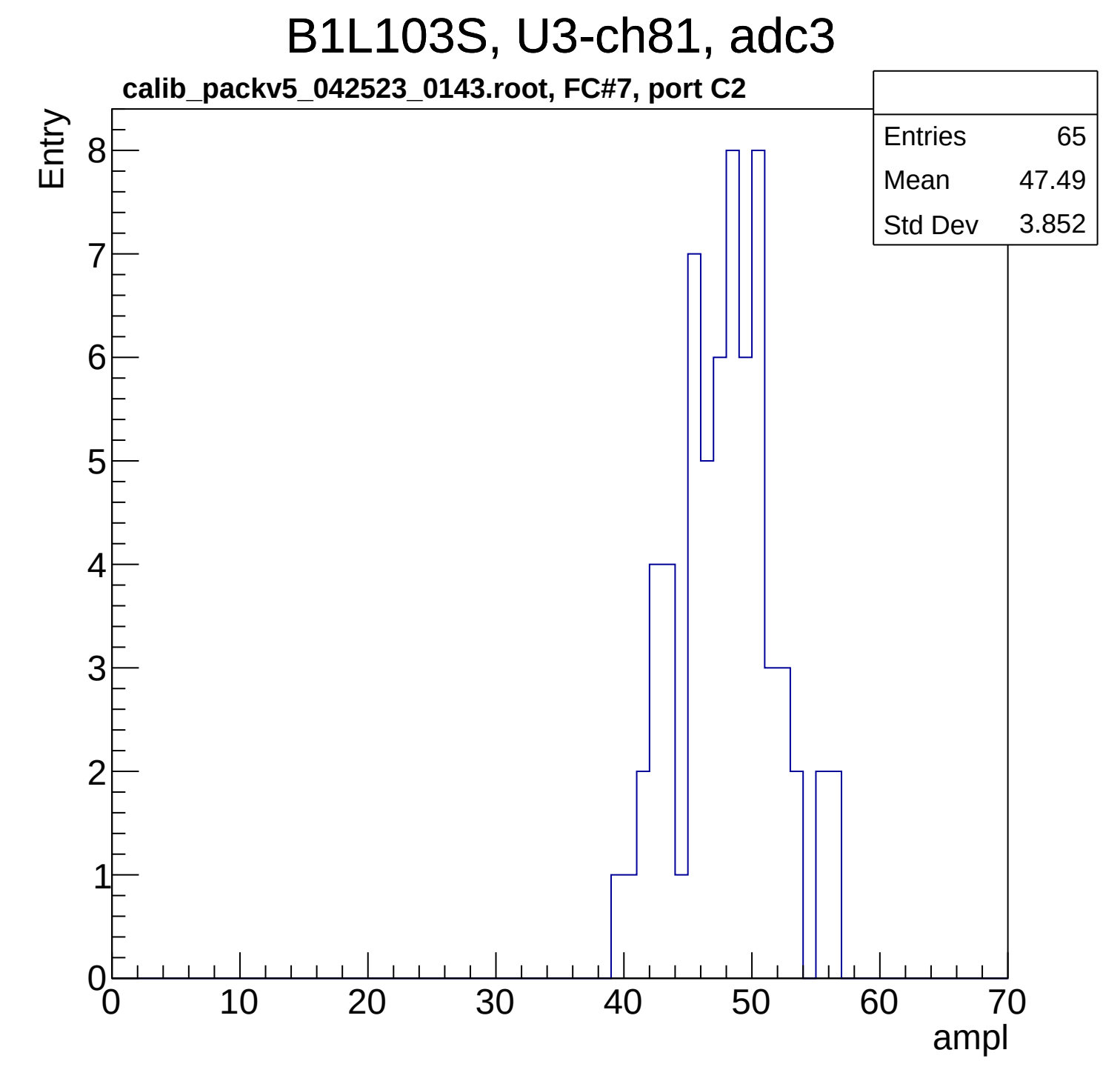
B1L103S, U3-ch81, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 47.49
Std Dev 3.852
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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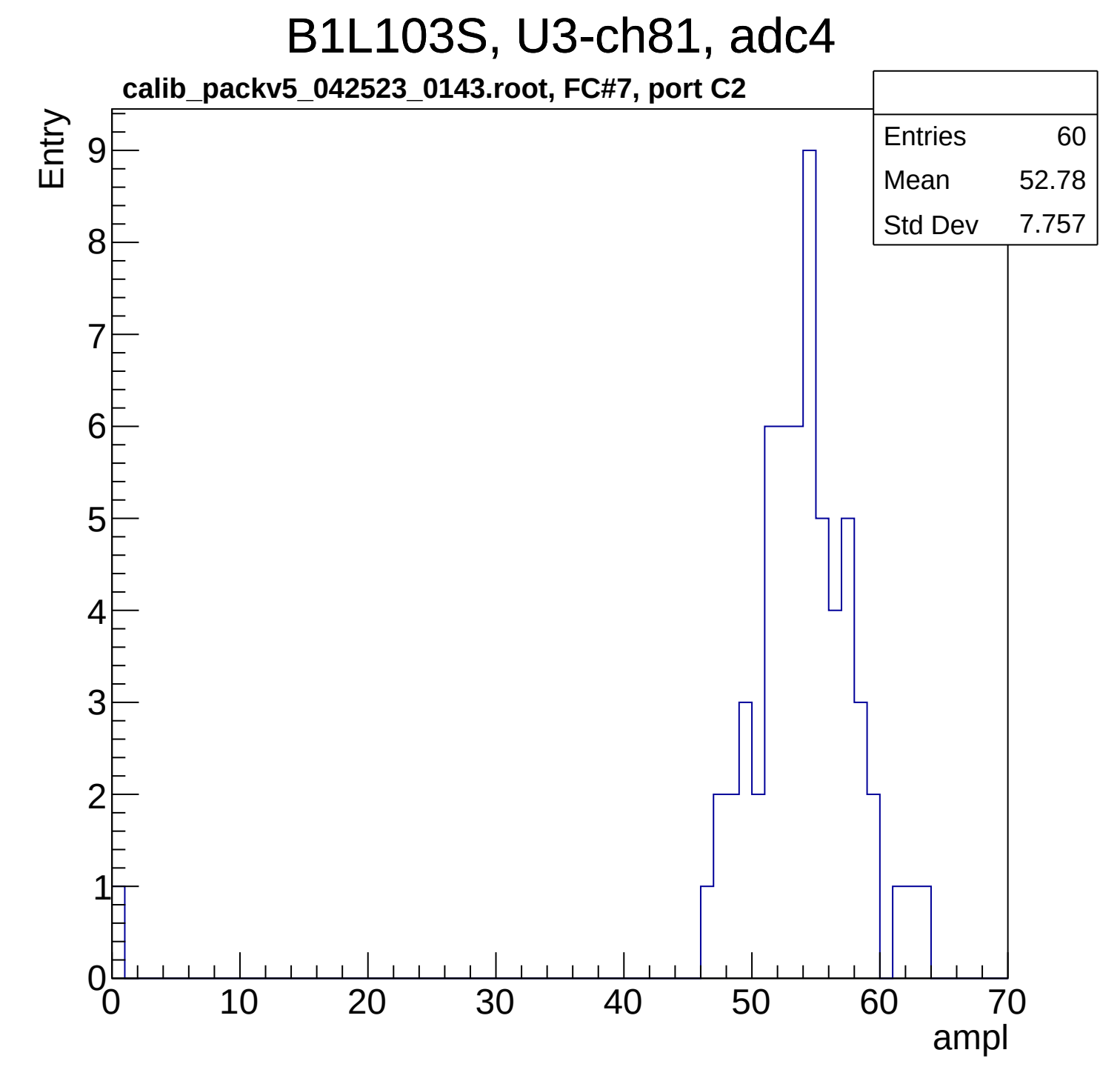
B1L103S, U3-ch81, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 52.78
Std Dev 7.757
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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60
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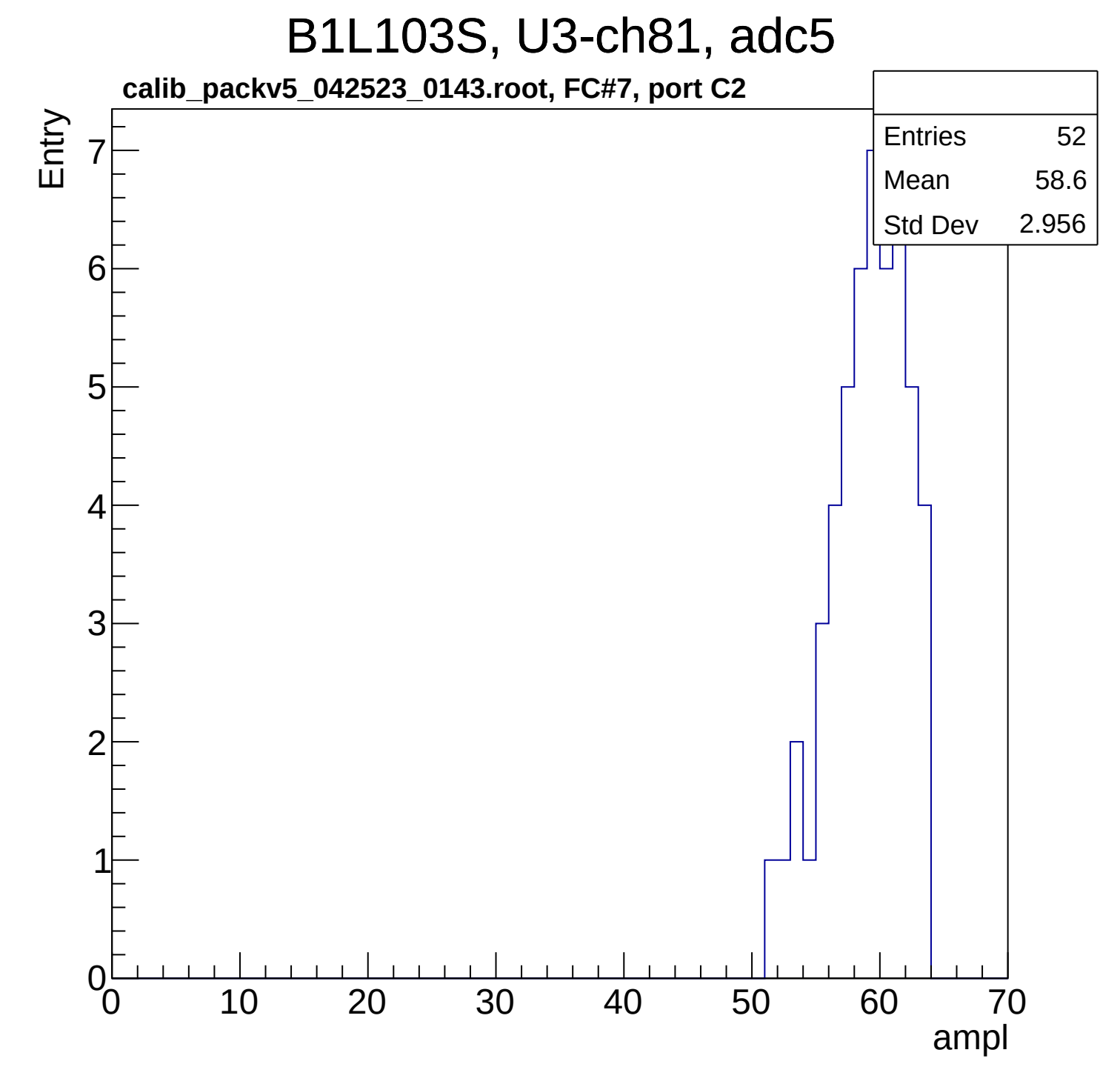
B1L103S, U3-ch81, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 58.6
Std Dev 2.956
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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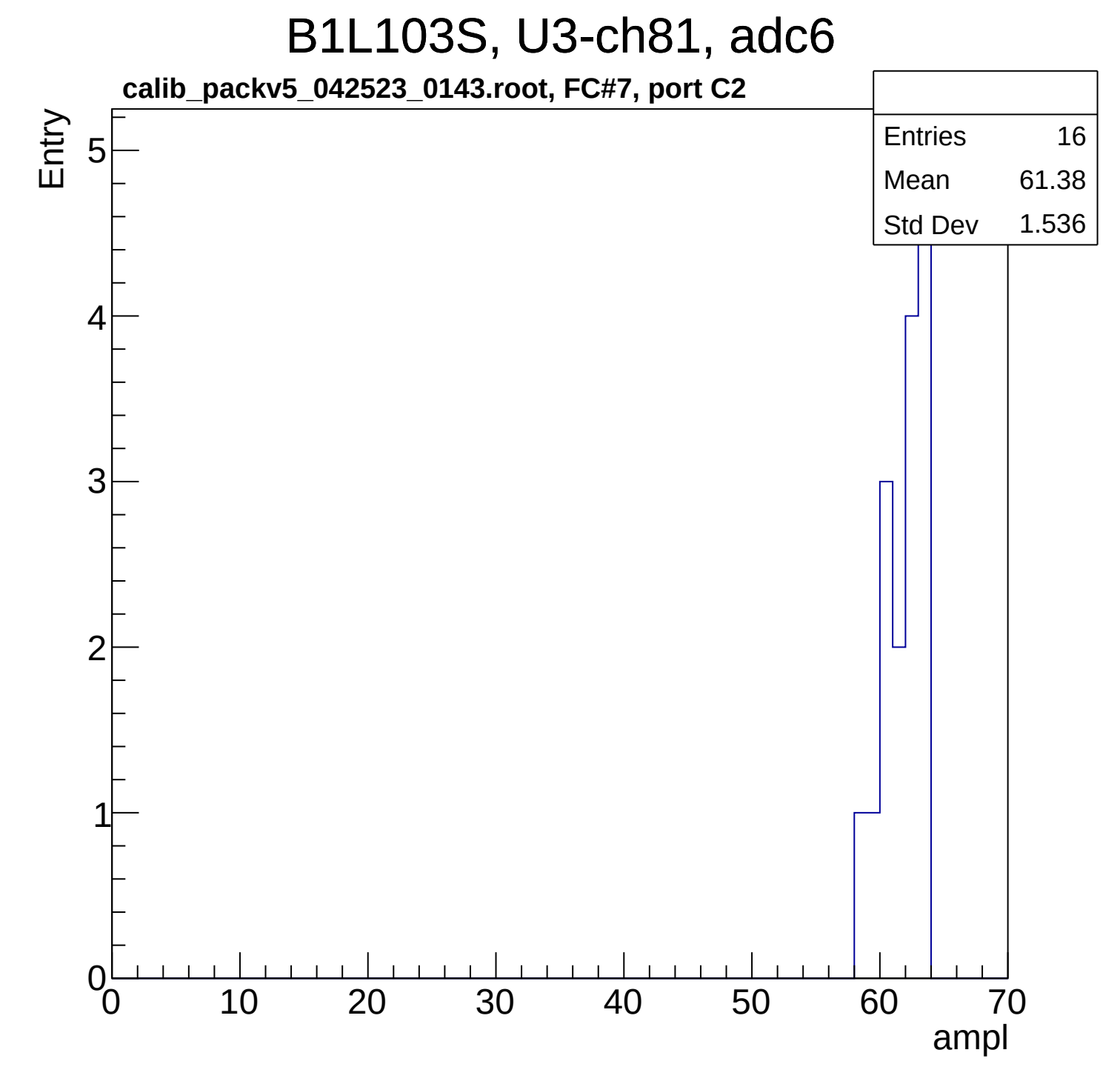
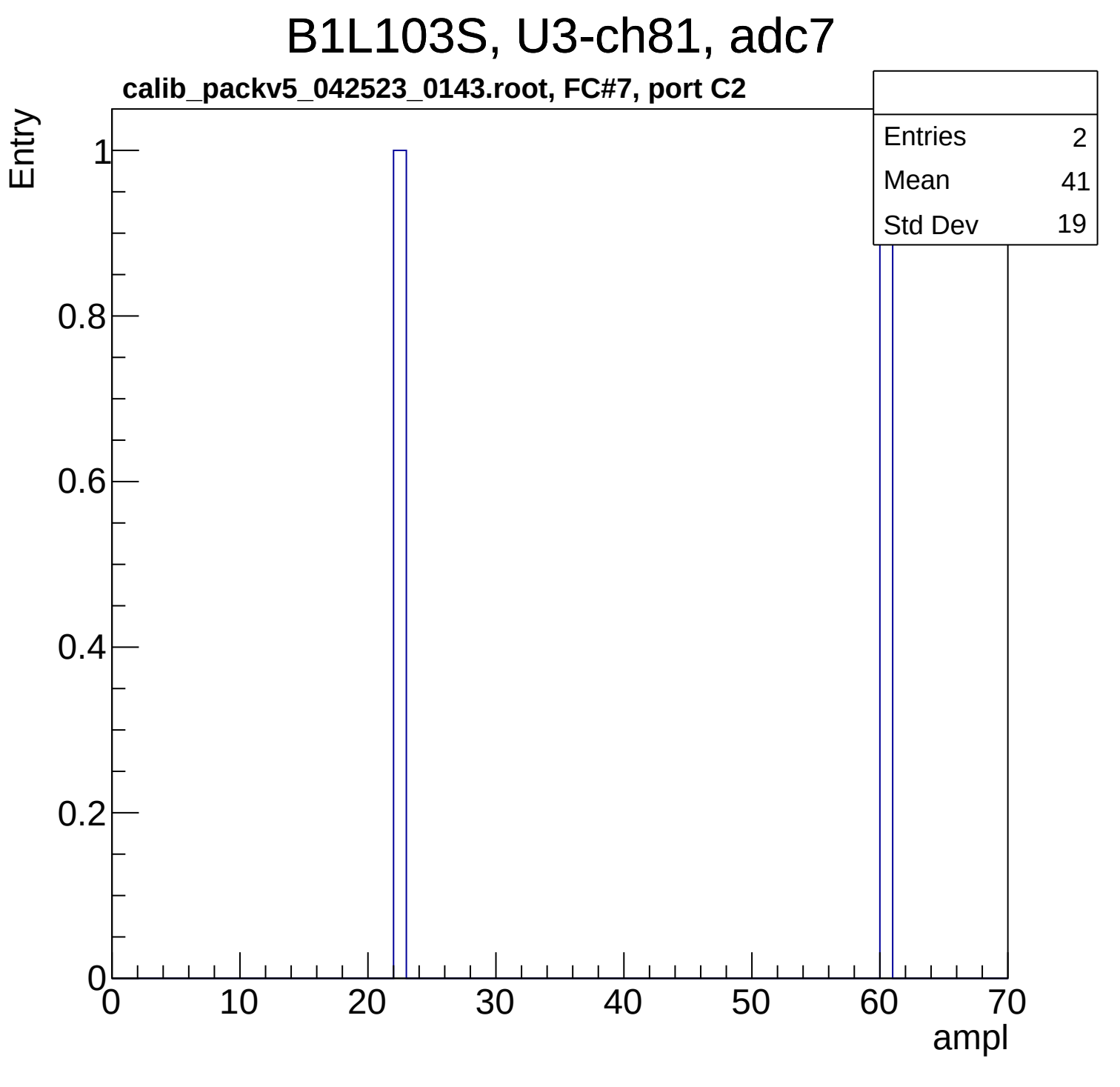

B1L103S, U3-ch81, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 61.38
Std Dev 1.536
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch81, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 41
Std Dev 19
Entry
ampl
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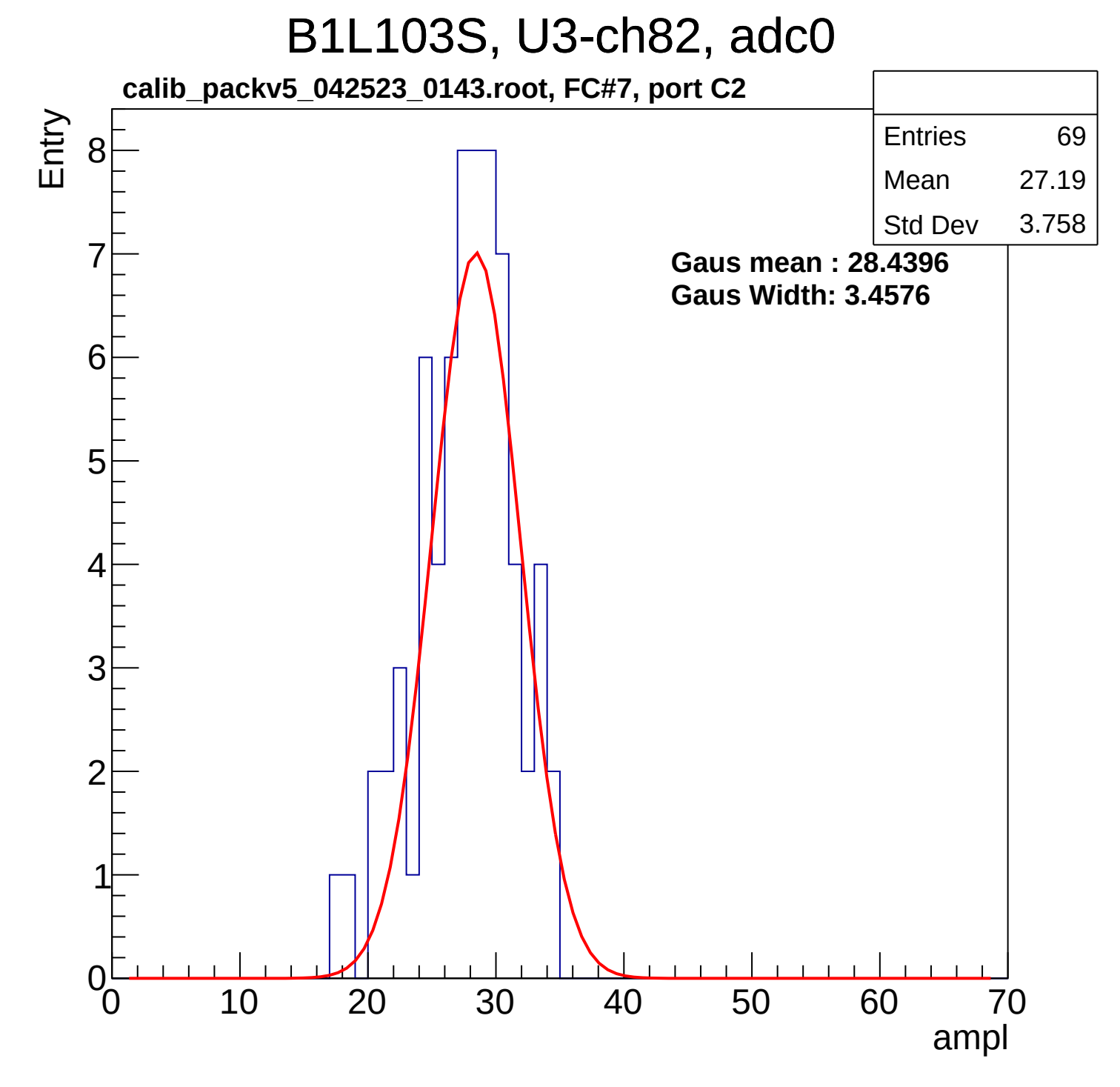
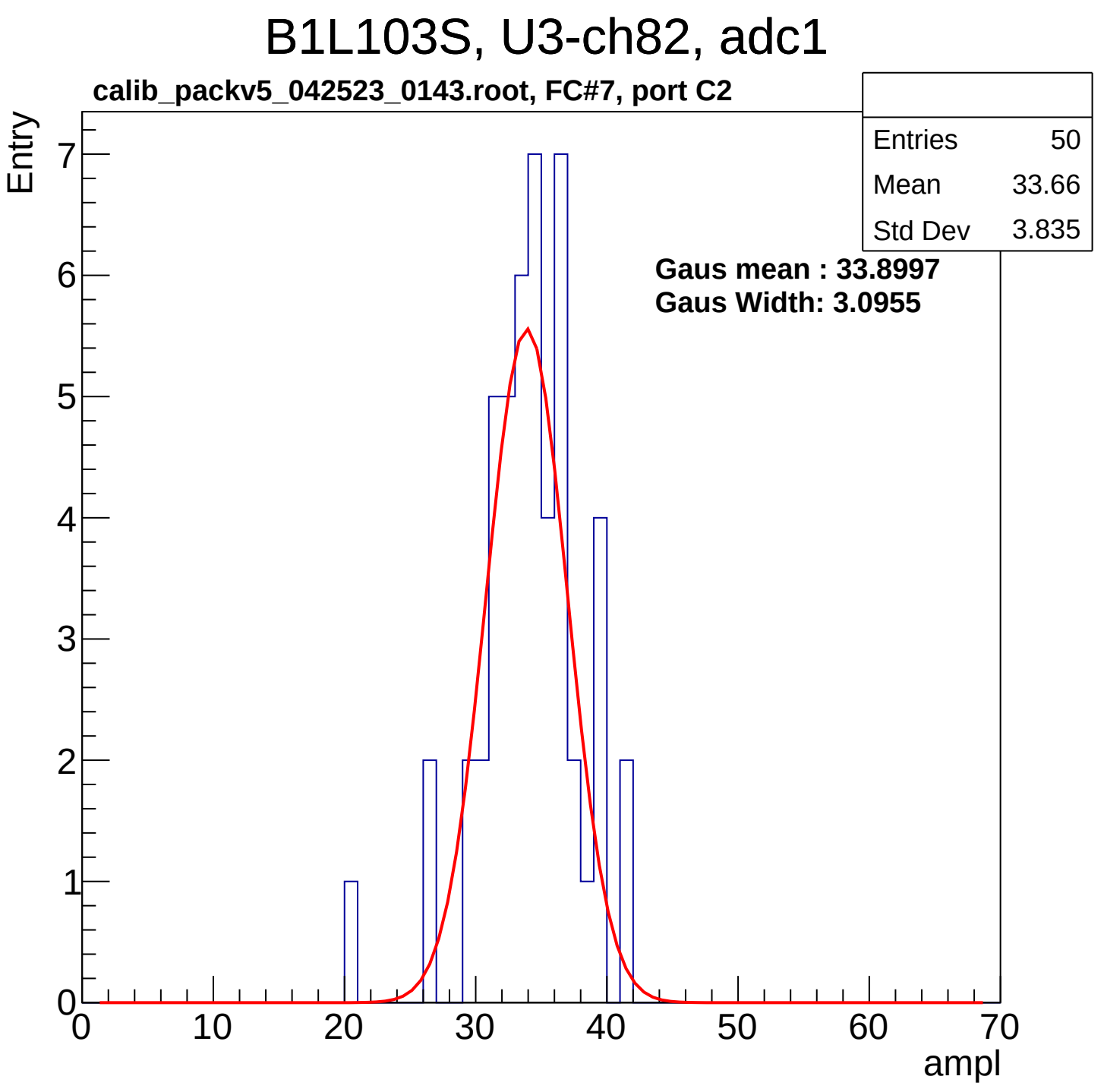
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B1L103S, U3-ch82, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 27.19
Std Dev 3.758
Gaus mean : 28.4396
Gaus Width: 3.4576
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch82, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 33.66
Std Dev 3.835
Gaus mean : 33.8997
Gaus Width: 3.0955
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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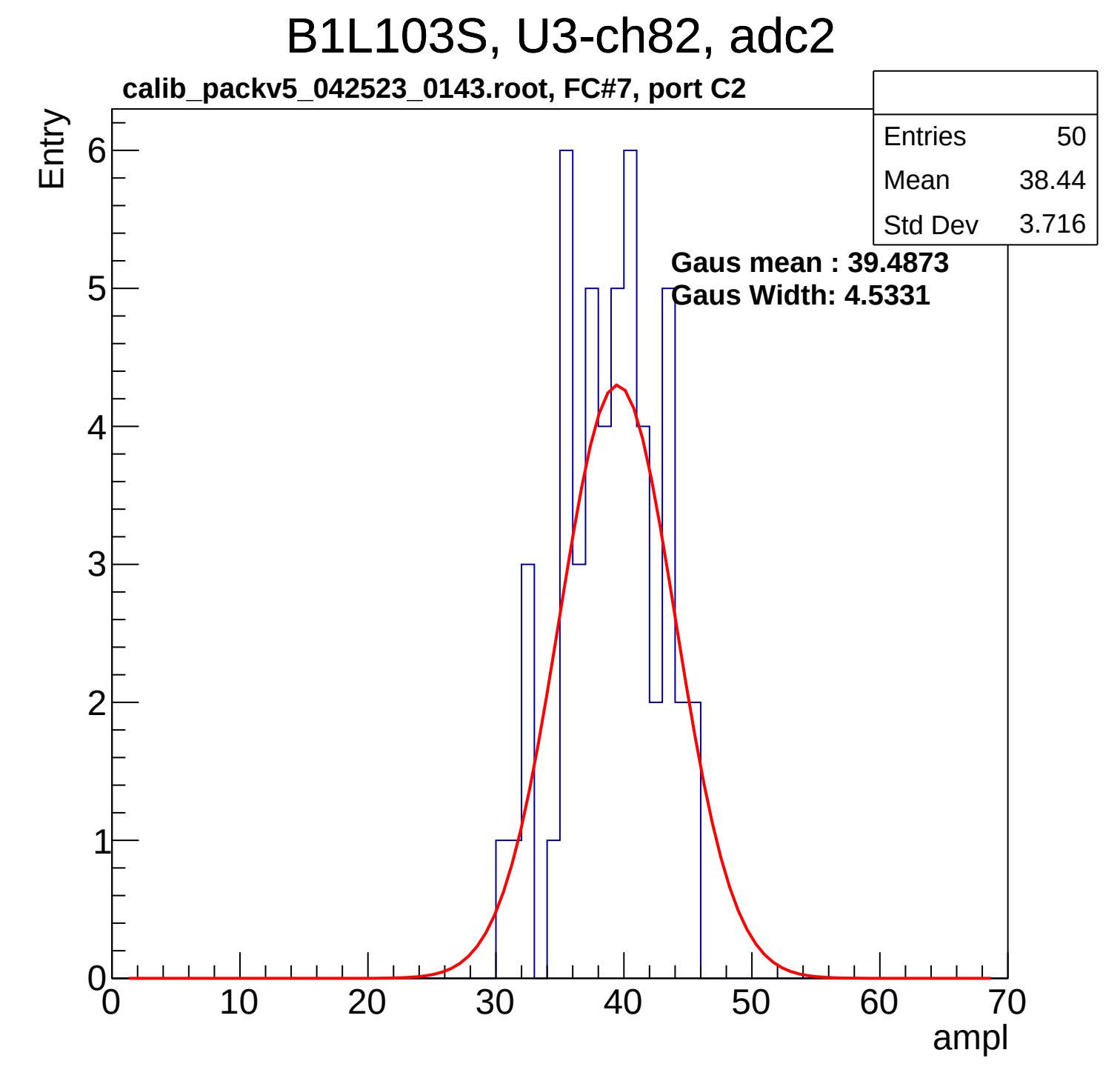
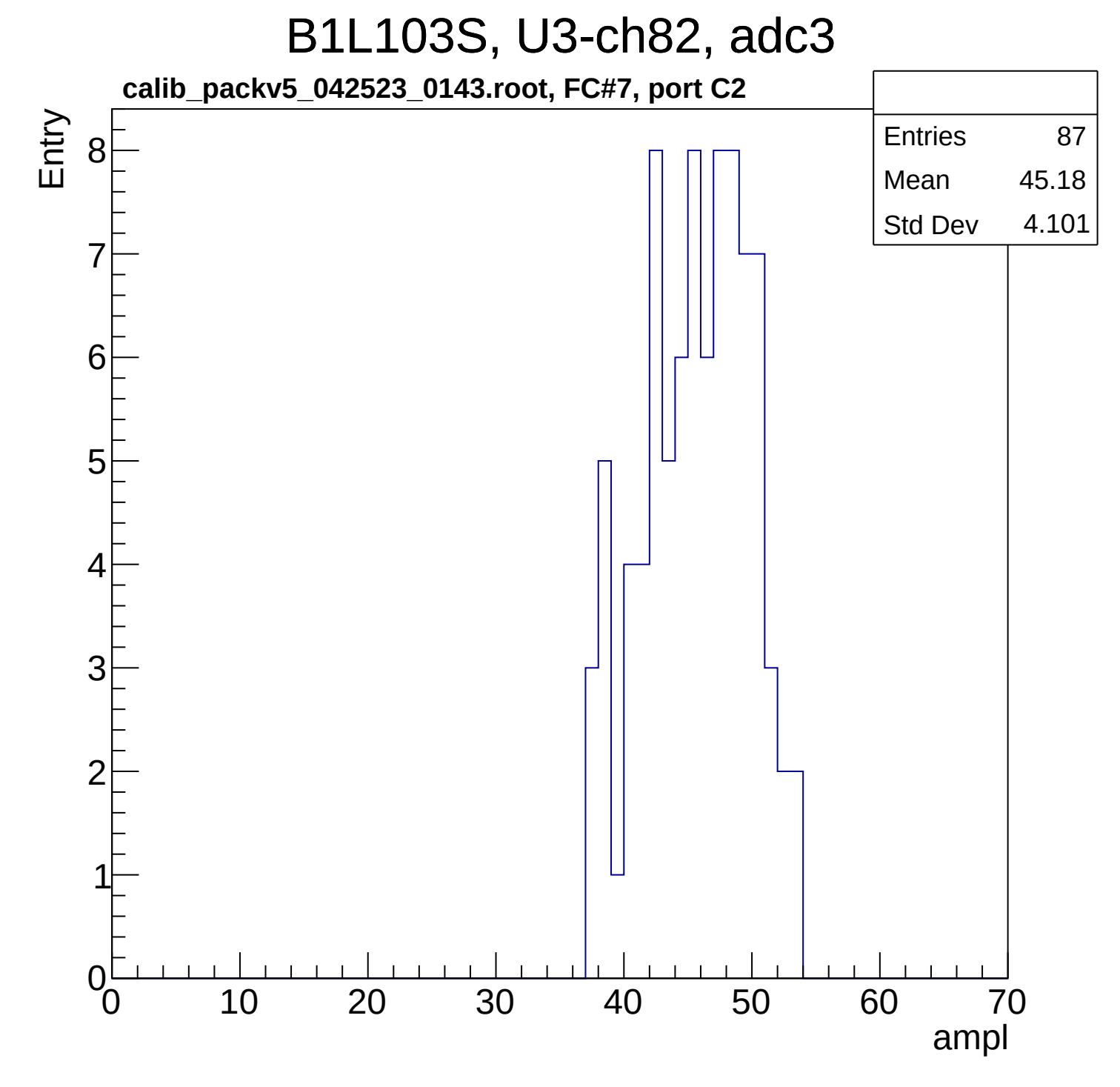

B1L103S, U3-ch82, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 38.44
Std Dev 3.716
Gaus mean : 39.4873
Gaus Width: 4.5331
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch82, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 87
Mean 45.18
Std Dev 4.101
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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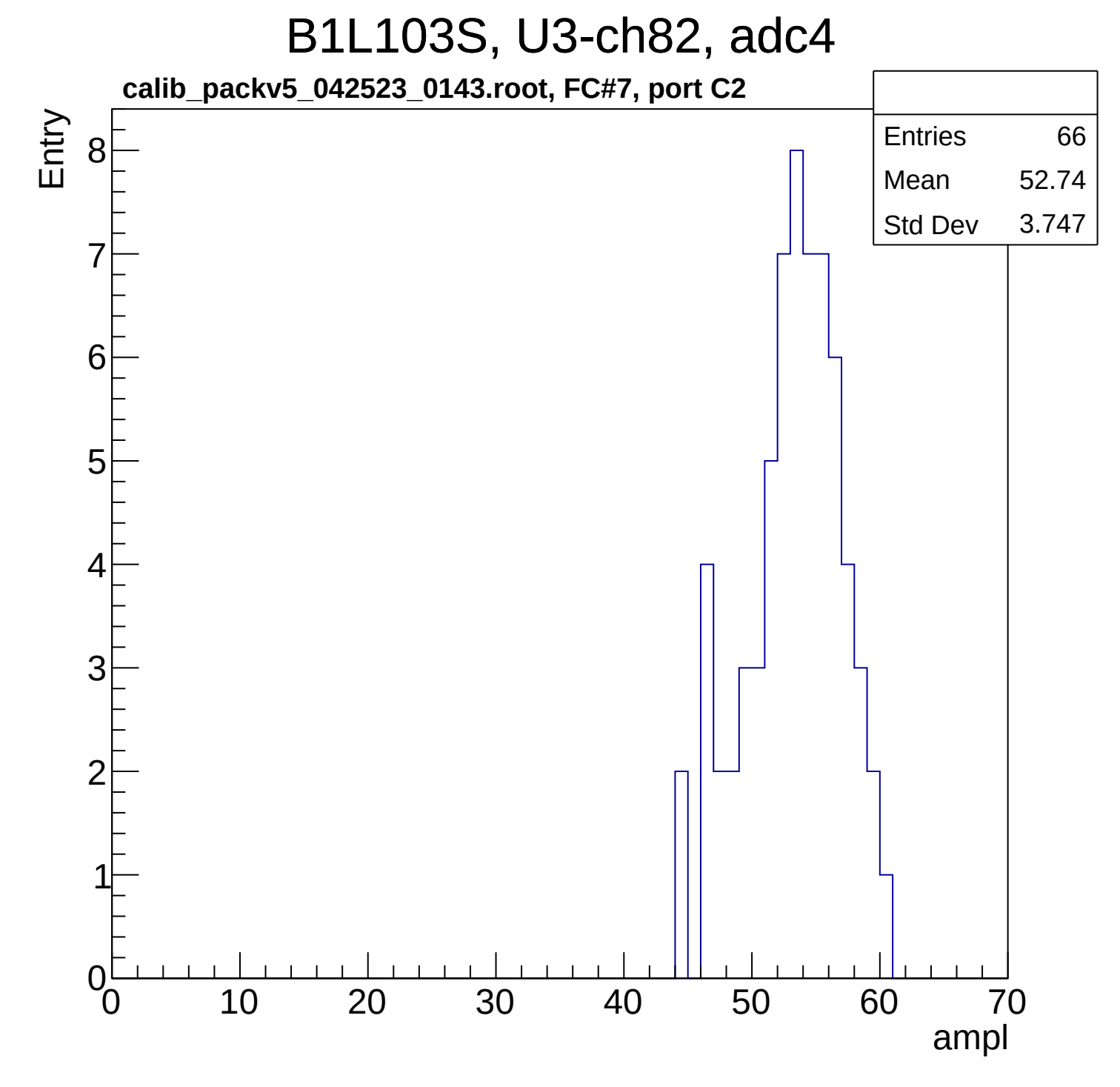
B1L103S, U3-ch82, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 52.74
Std Dev 3.747
Entry
ampl
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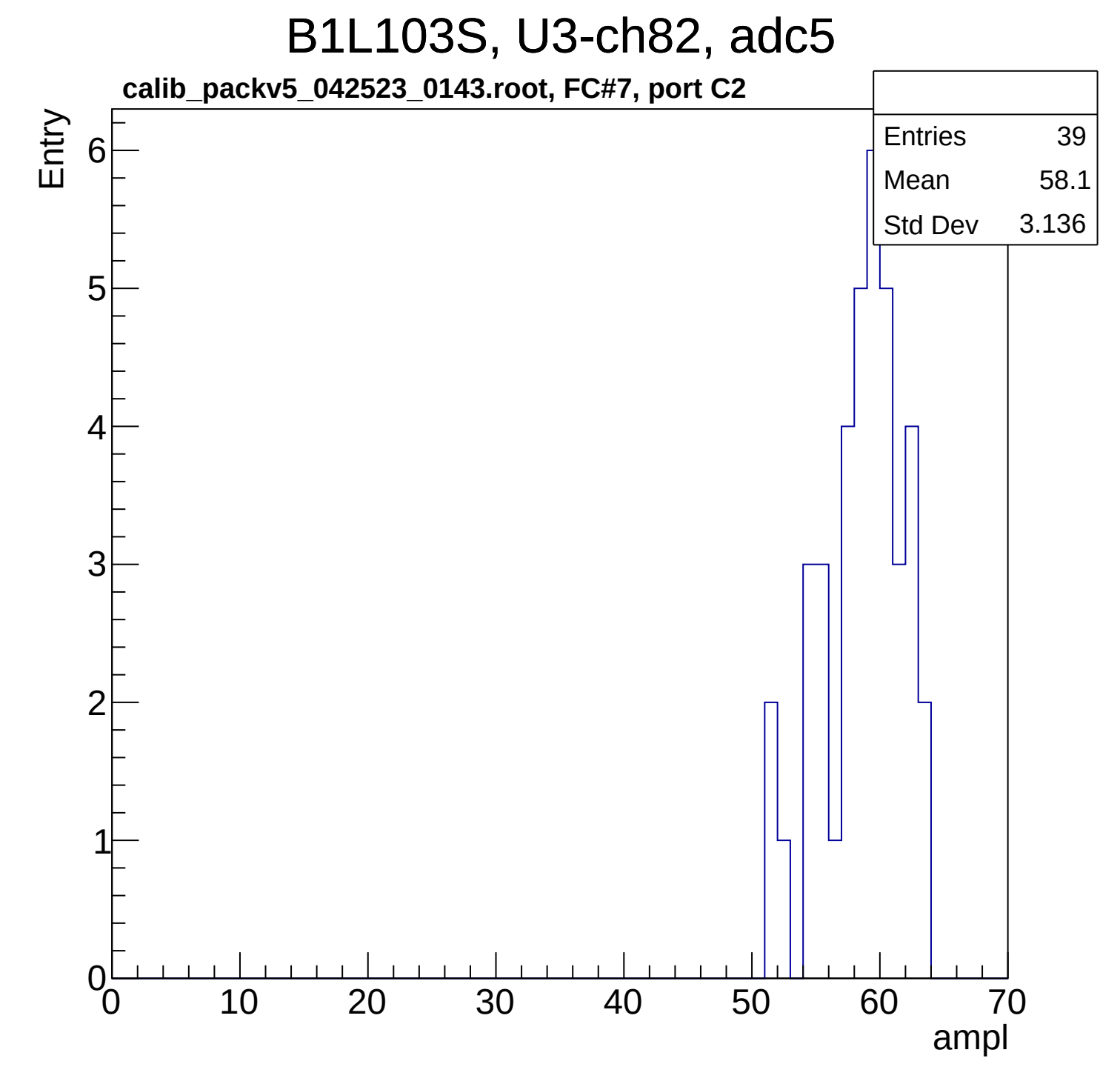
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch82, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 39
Mean 58.1
Std Dev 3.136
Entry
ampl
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1
2
3
4
5
6
0
10
20
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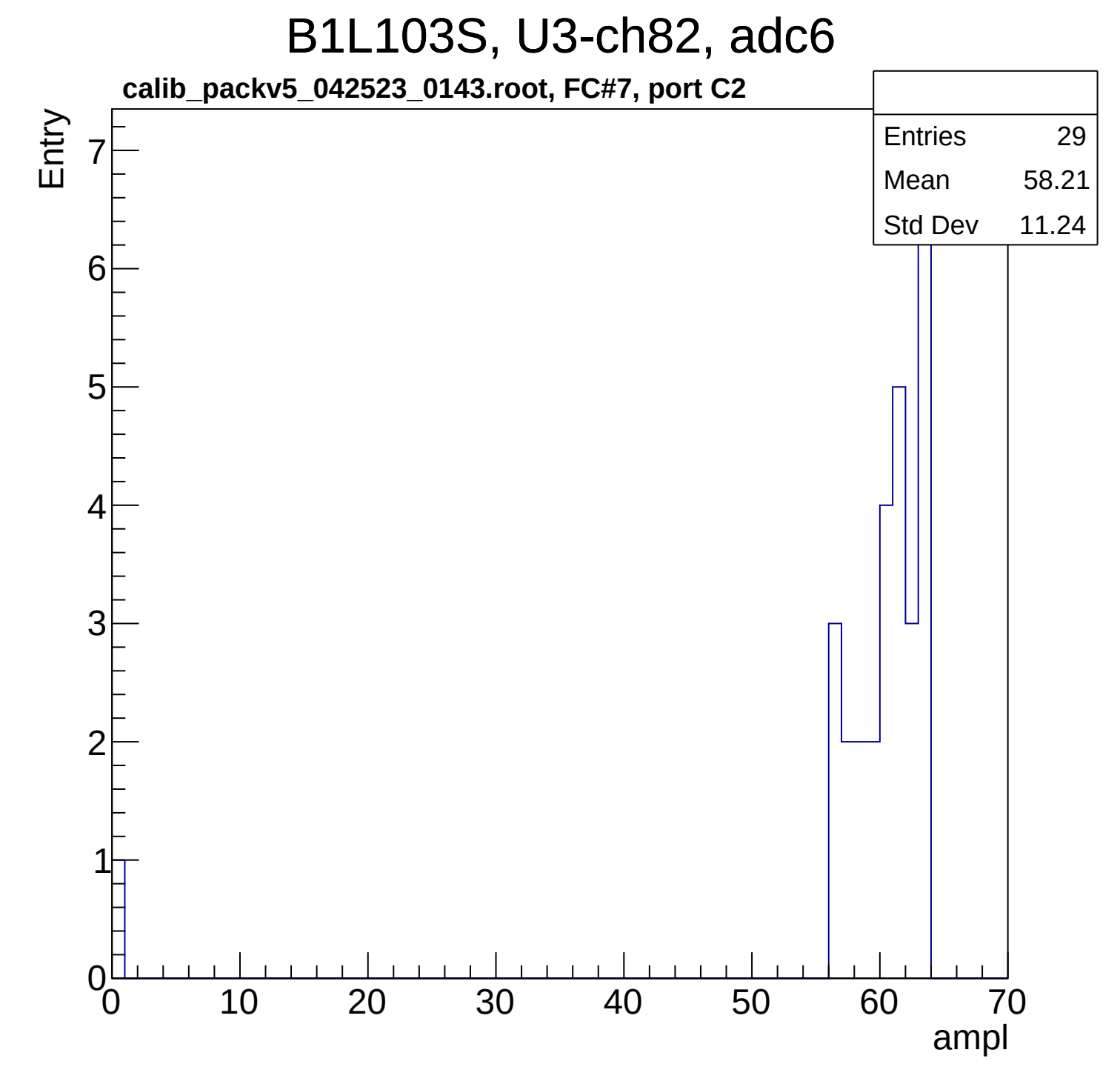
40
50
60
70


B1L103S, U3-ch82, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 29
Mean 58.21
Std Dev 11.24
Entry
ampl
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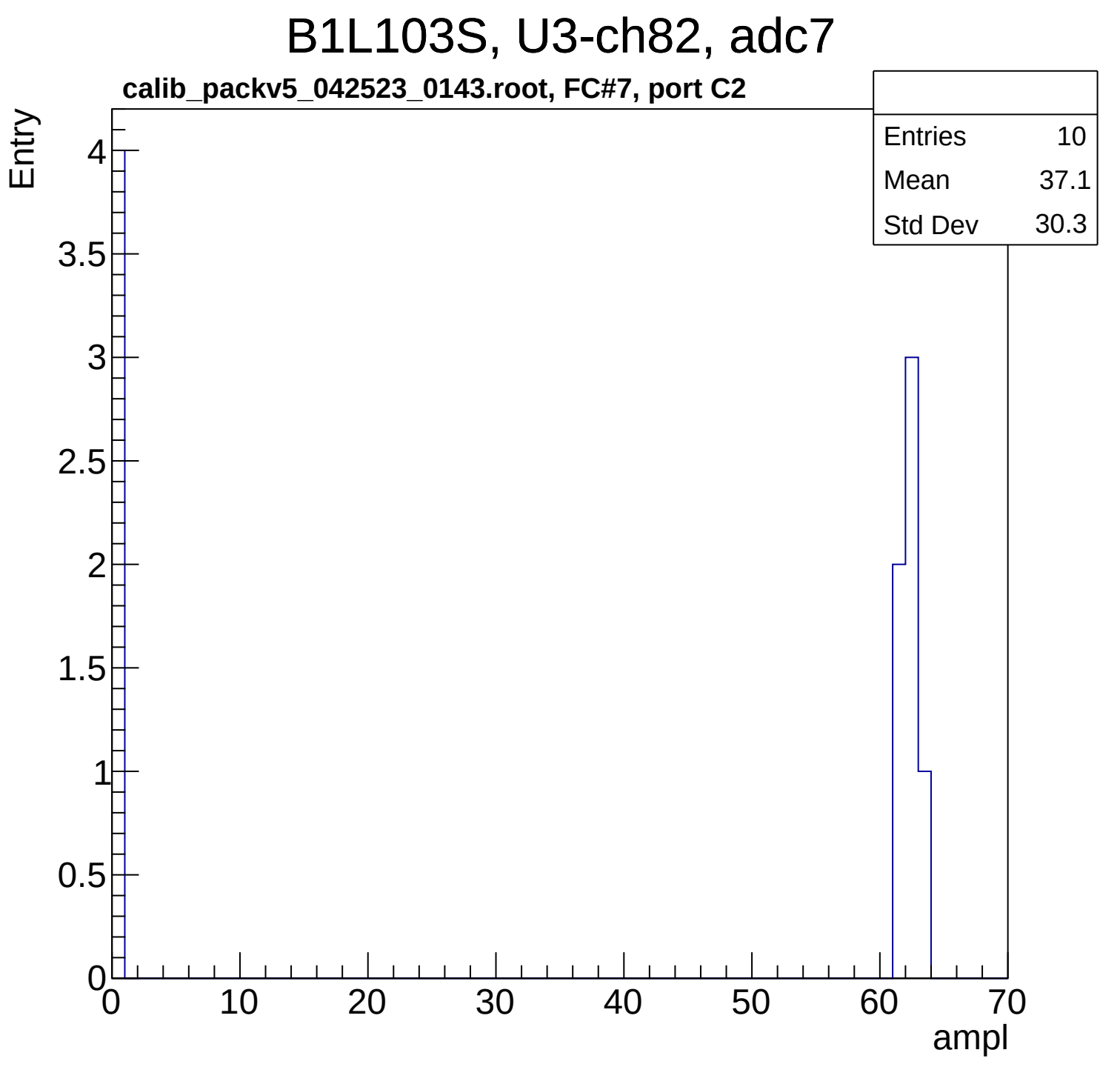
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch82, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 37.1
Std Dev 30.3
Entry
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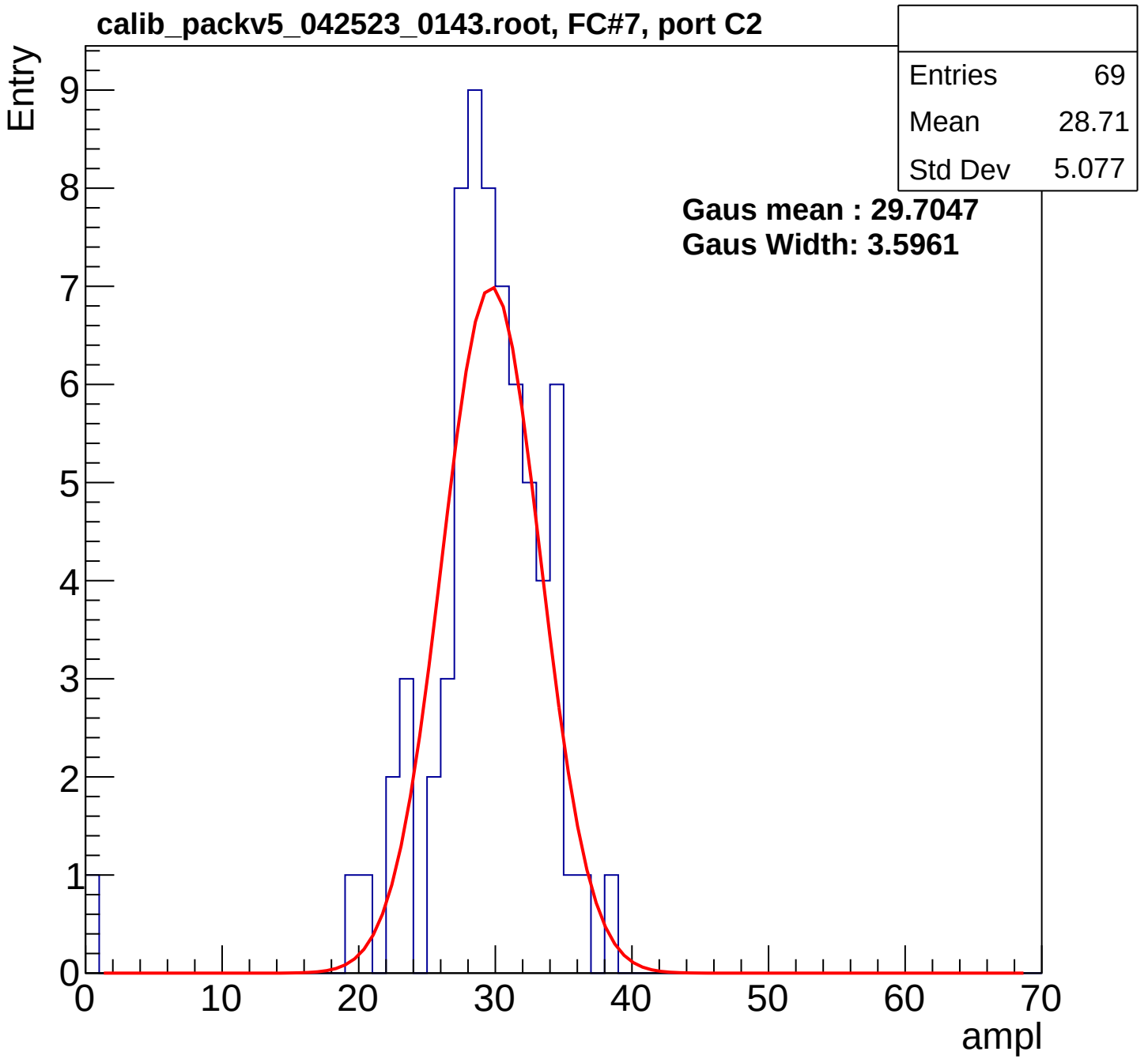
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch83, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 28.71
Std Dev 5.077
Gaus mean : 29.7047
Gaus Width: 3.5961
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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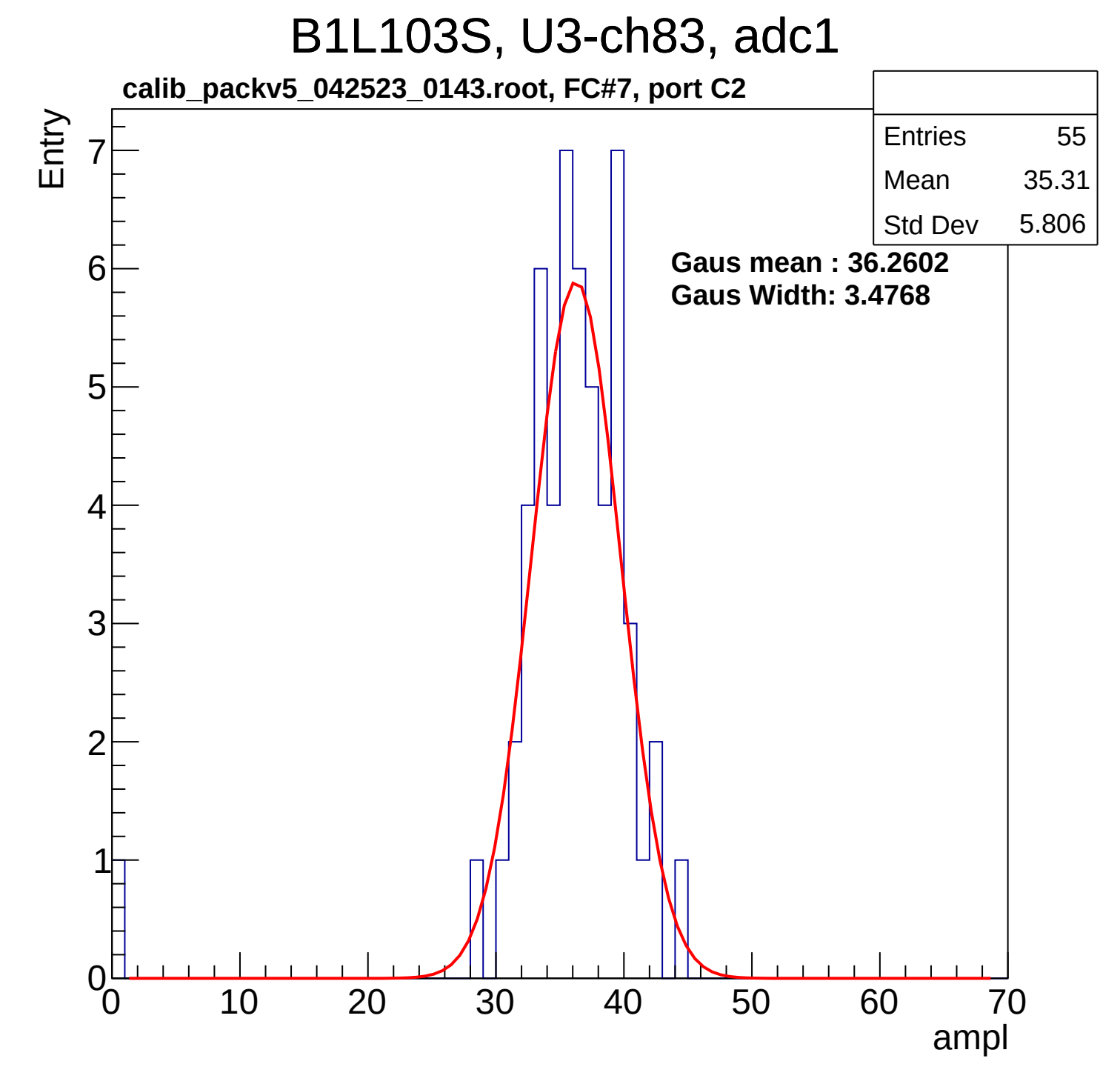
B1L103S, U3-ch83, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 35.31
Std Dev 5.806
Gaus mean : 36.2602
Gaus Width: 3.4768
Entry
ampl
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1
2
3
4
5
6
7
0
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20
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40
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60
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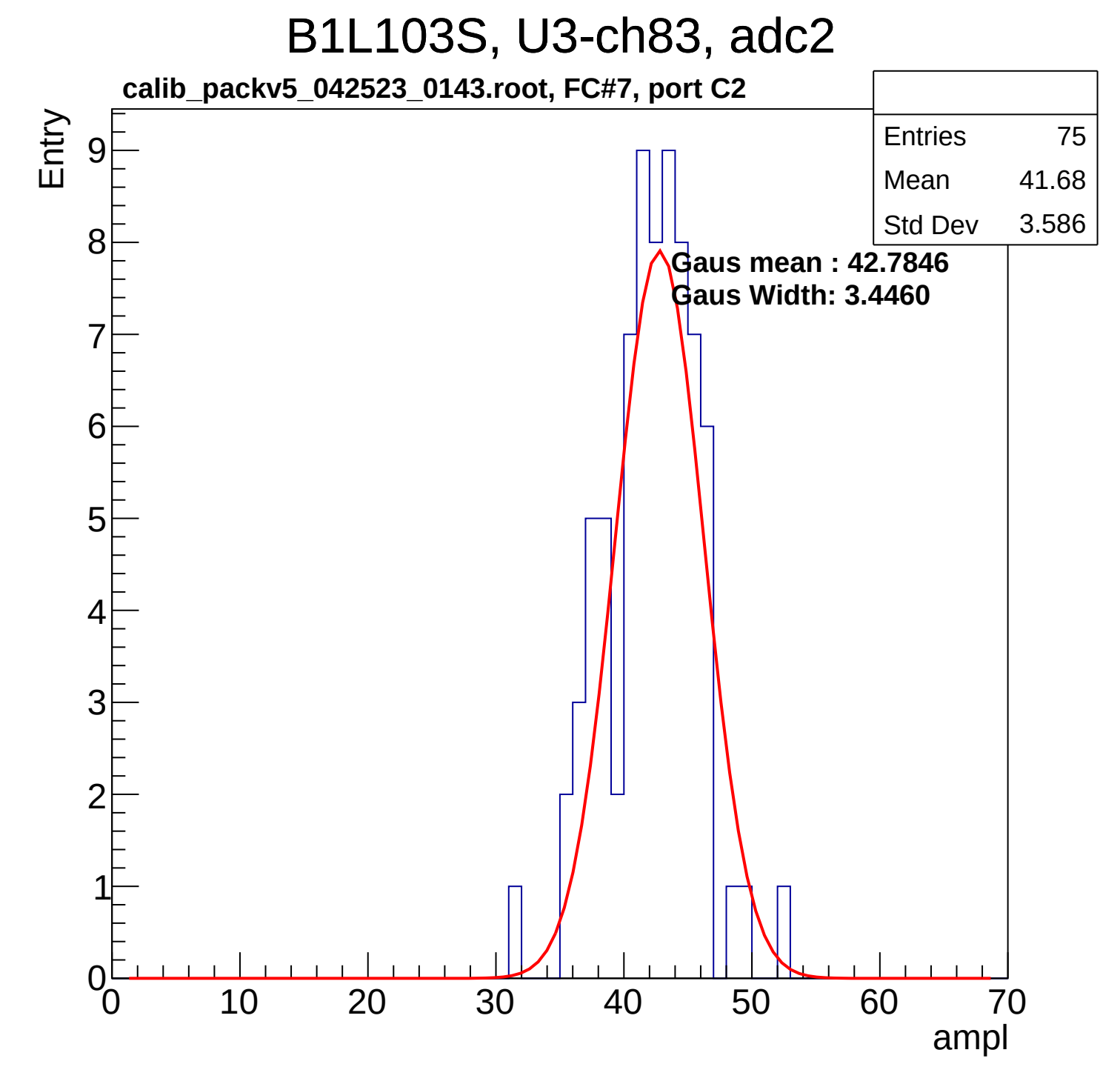
B1L103S, U3-ch83, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 41.68
Std Dev 3.586
Gaus mean : 42.7846
Gaus Width: 3.4460
Entry
ampl
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2
3
4
5
6
7
8
9
0
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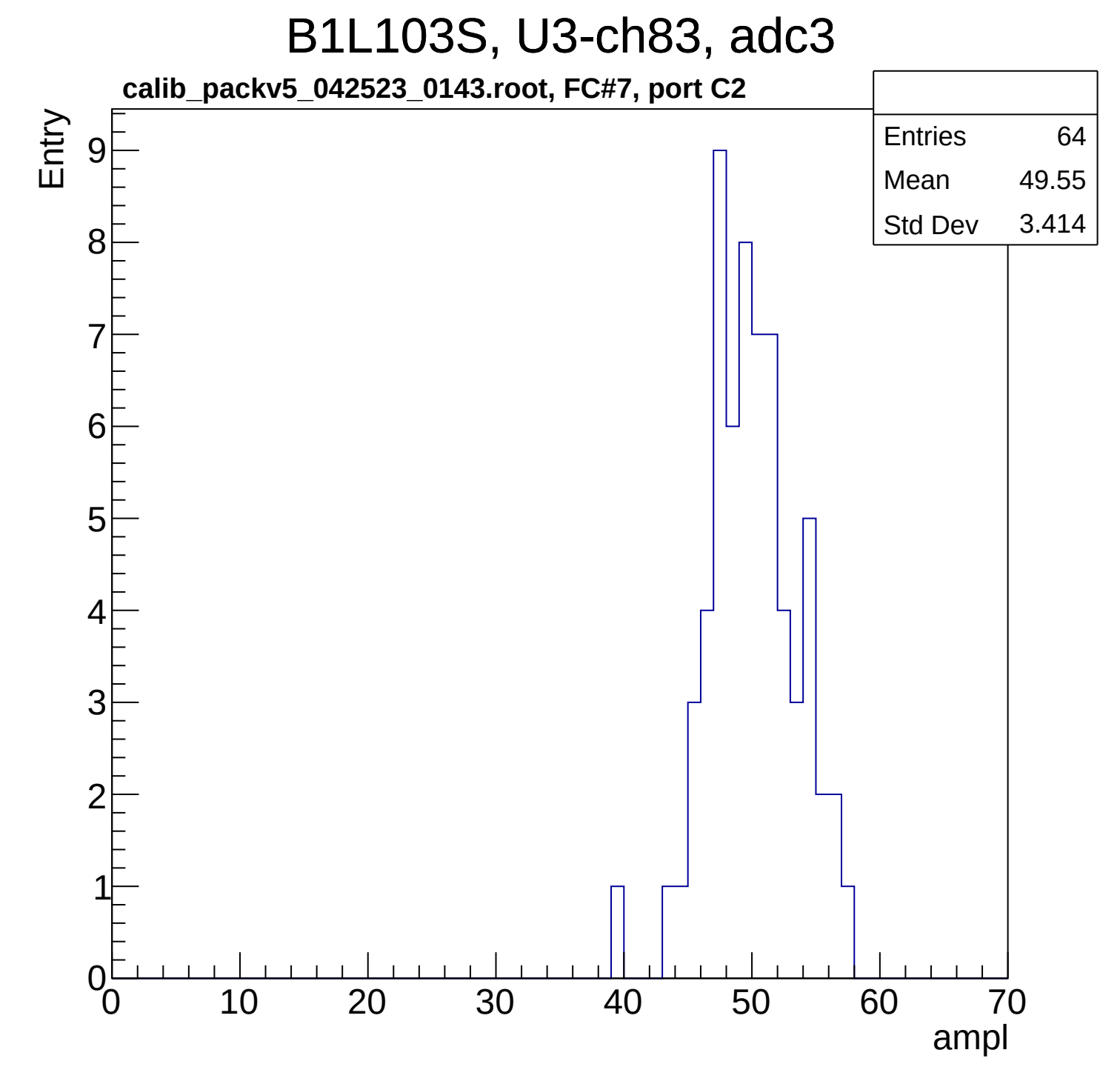
B1L103S, U3-ch83, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 49.55
Std Dev 3.414
Entry
ampl
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3
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0
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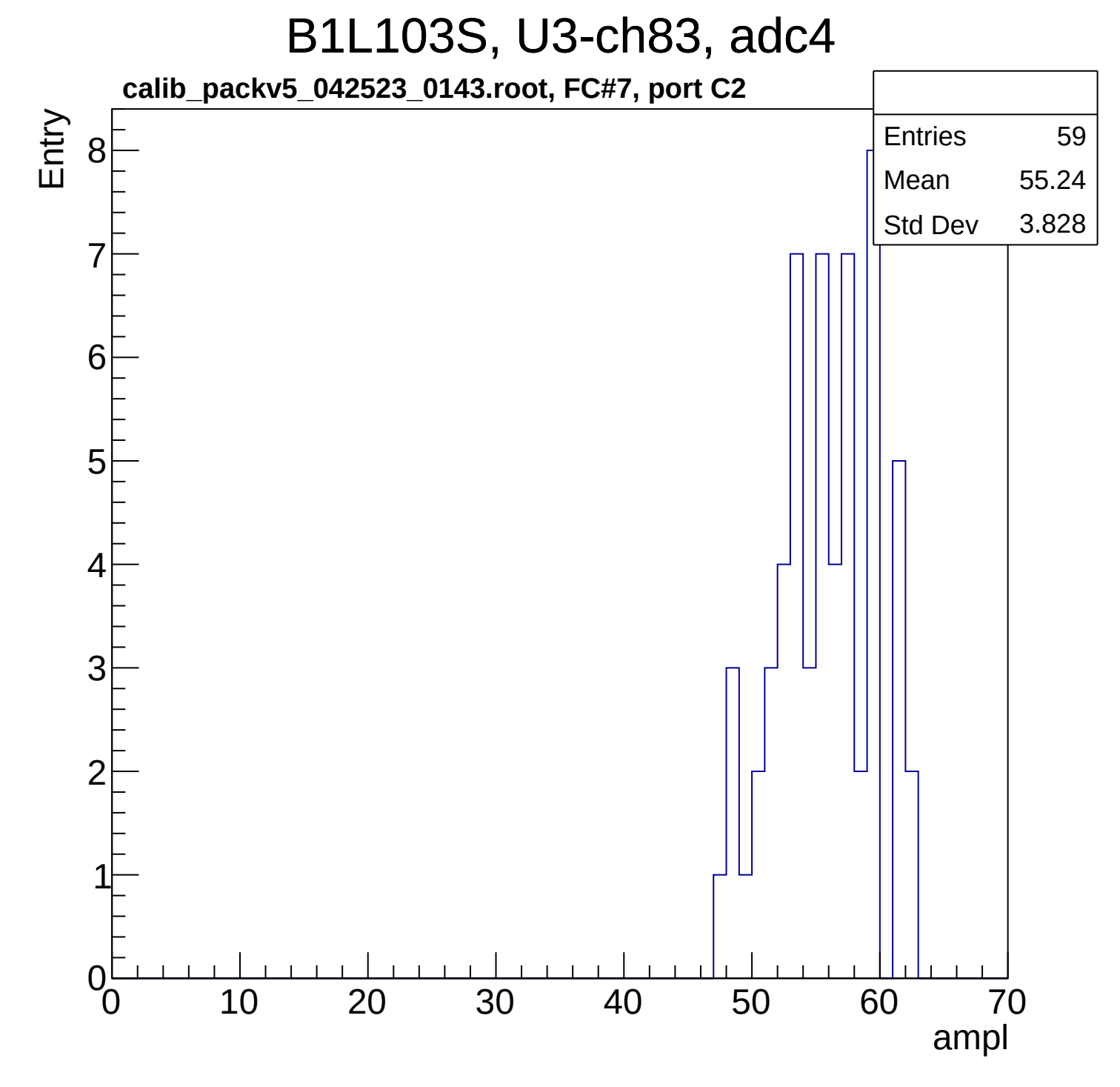
B1L103S, U3-ch83, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 55.24
Std Dev 3.828
Entry
ampl
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4
5
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0
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60
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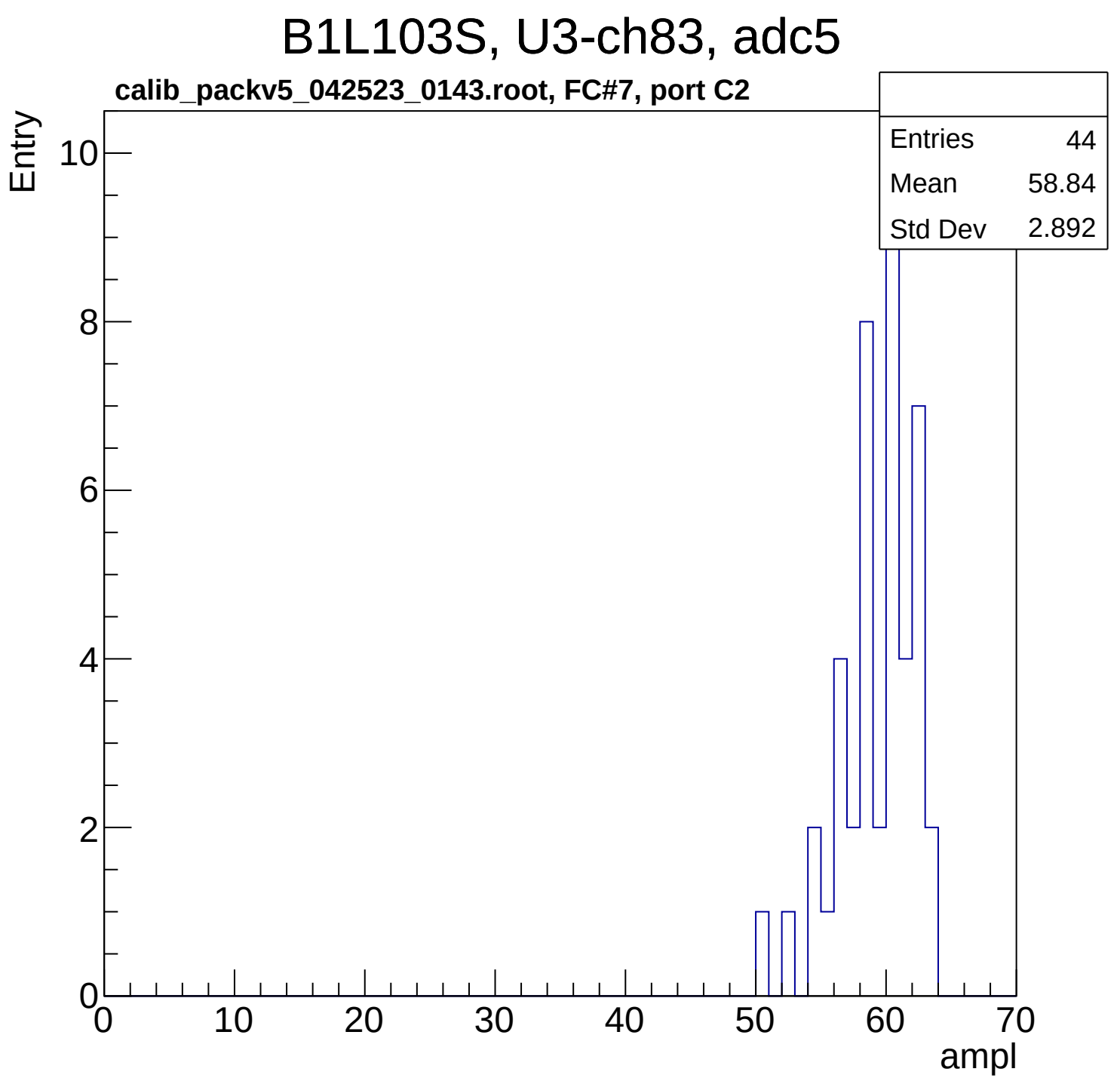
B1L103S, U3-ch83, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.84
Std Dev 2.892
Entry
ampl
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2
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0
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20
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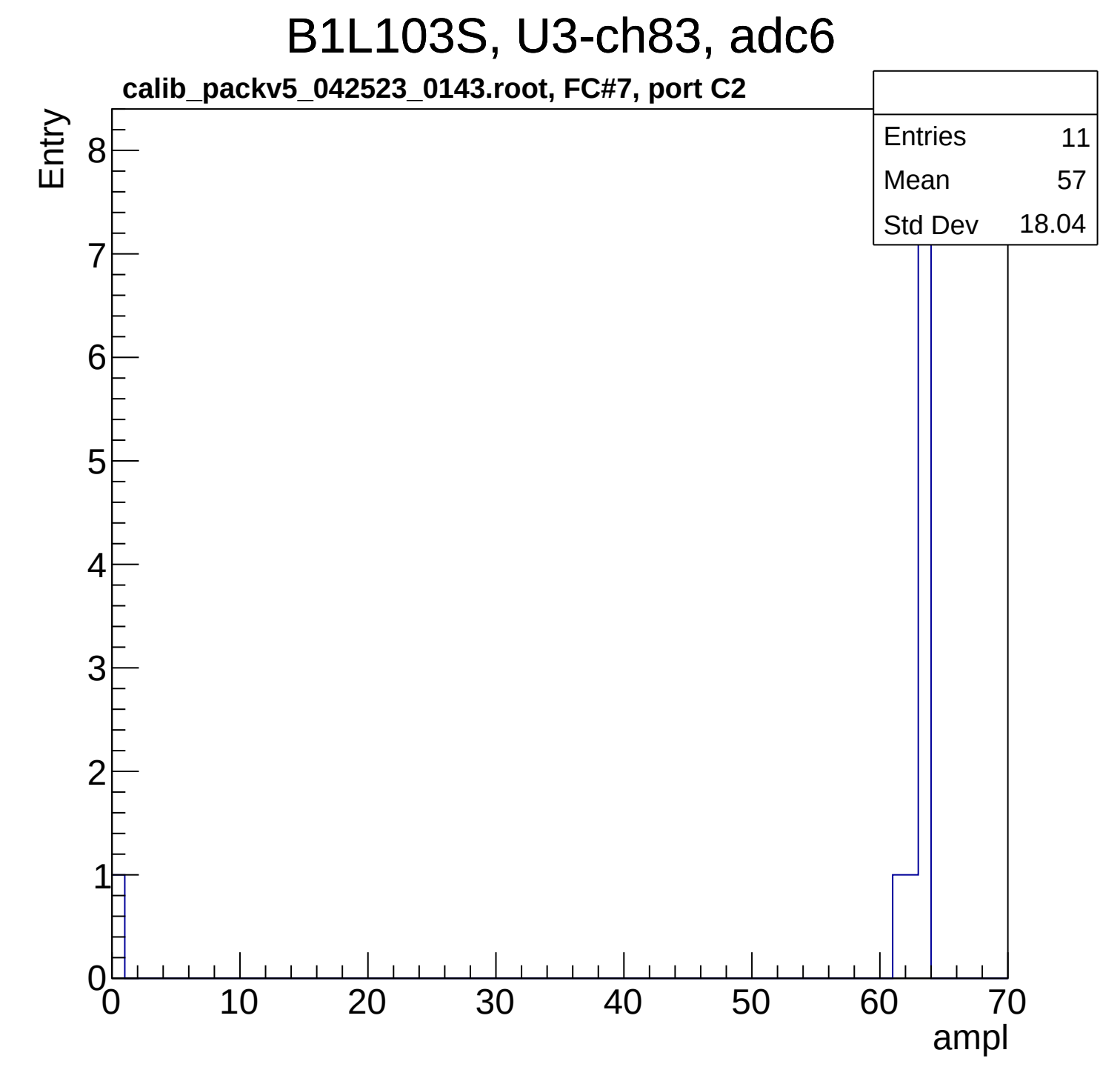
B1L103S, U3-ch83, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 57
Std Dev 18.04
Entry
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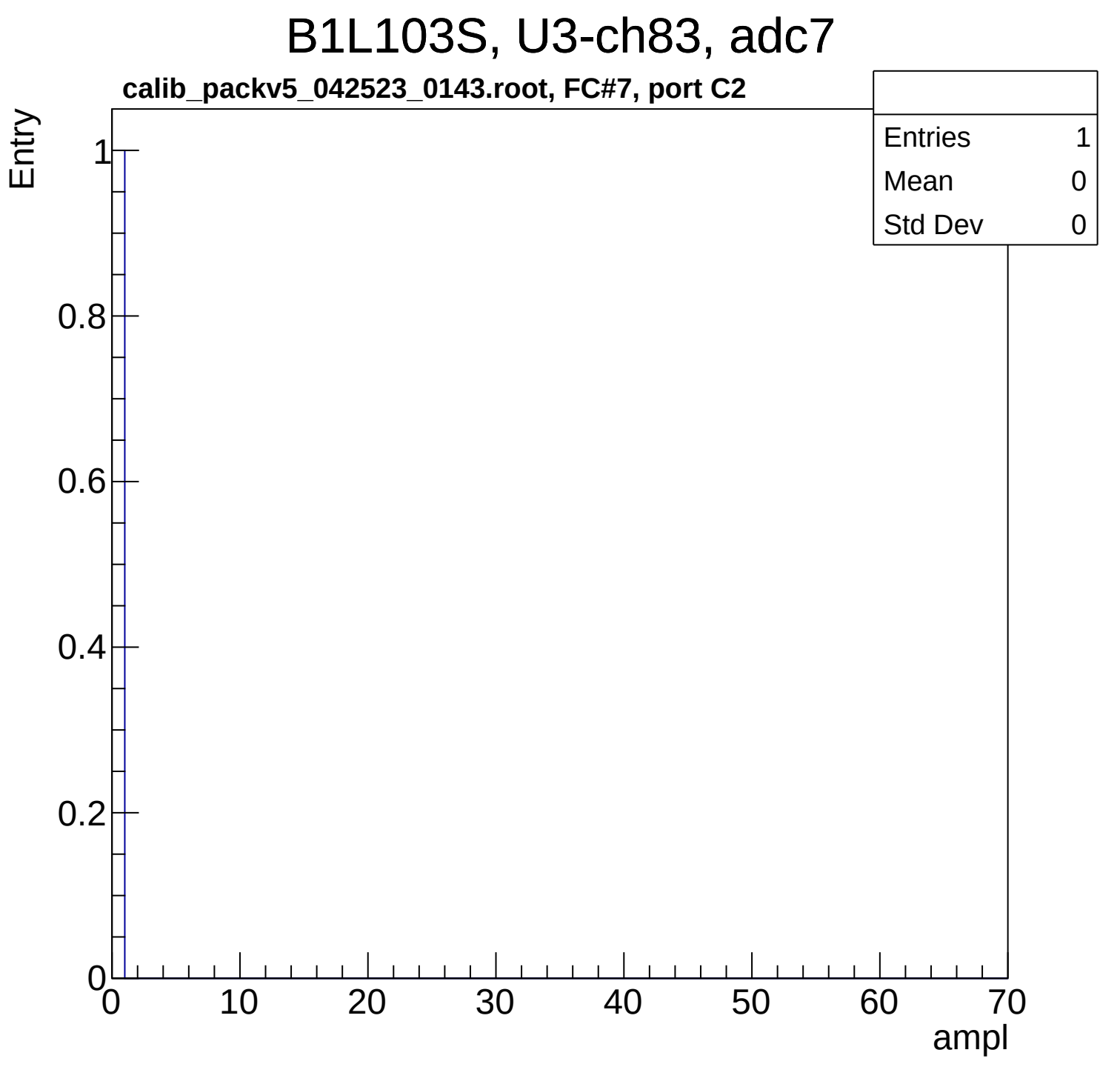
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch83, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
0.2
0
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10
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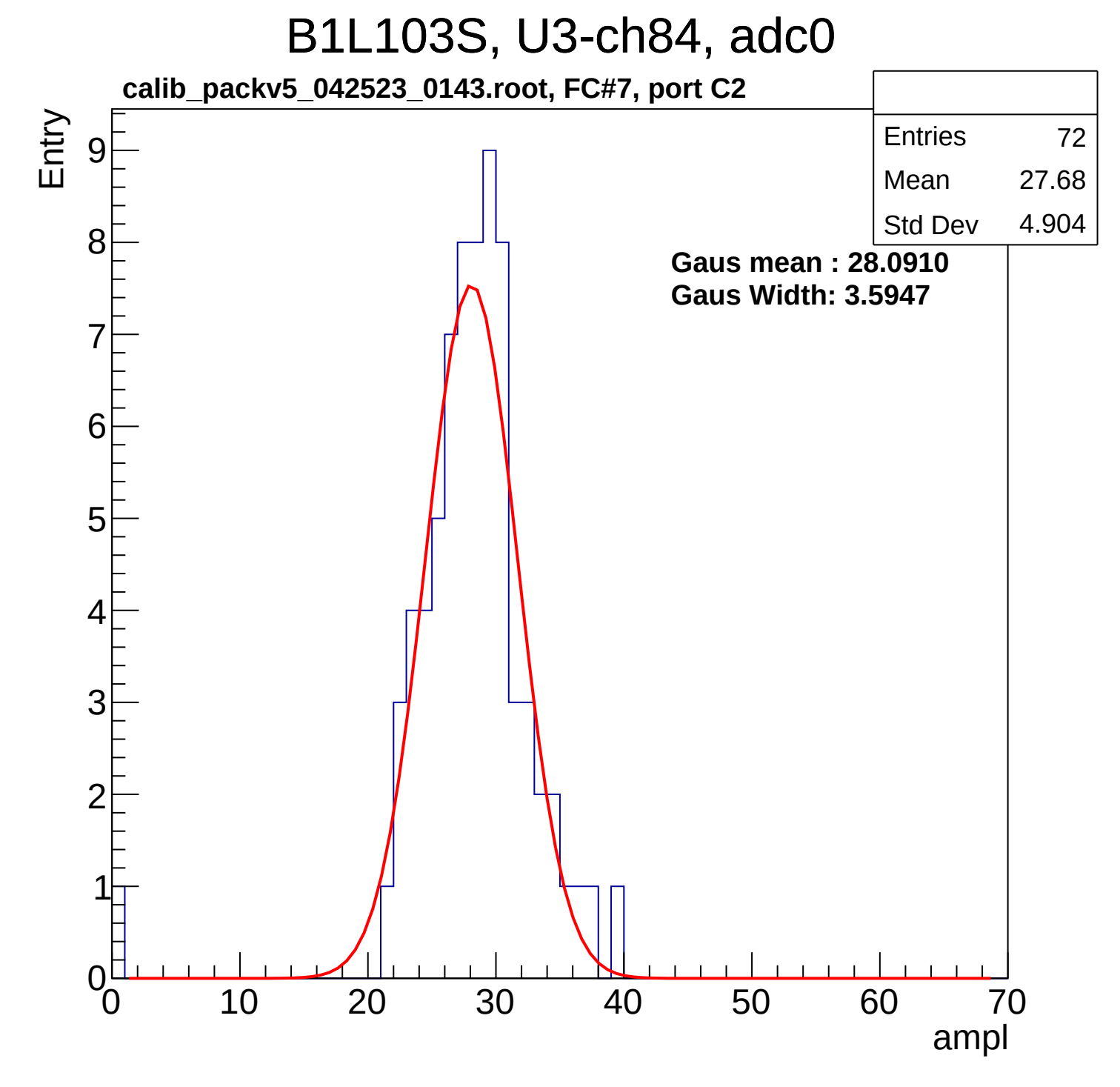
50
60
70
ampl


B1L103S, U3-ch84, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 27.68
Std Dev 4.904
Gaus mean : 28.0910
Gaus Width: 3.5947
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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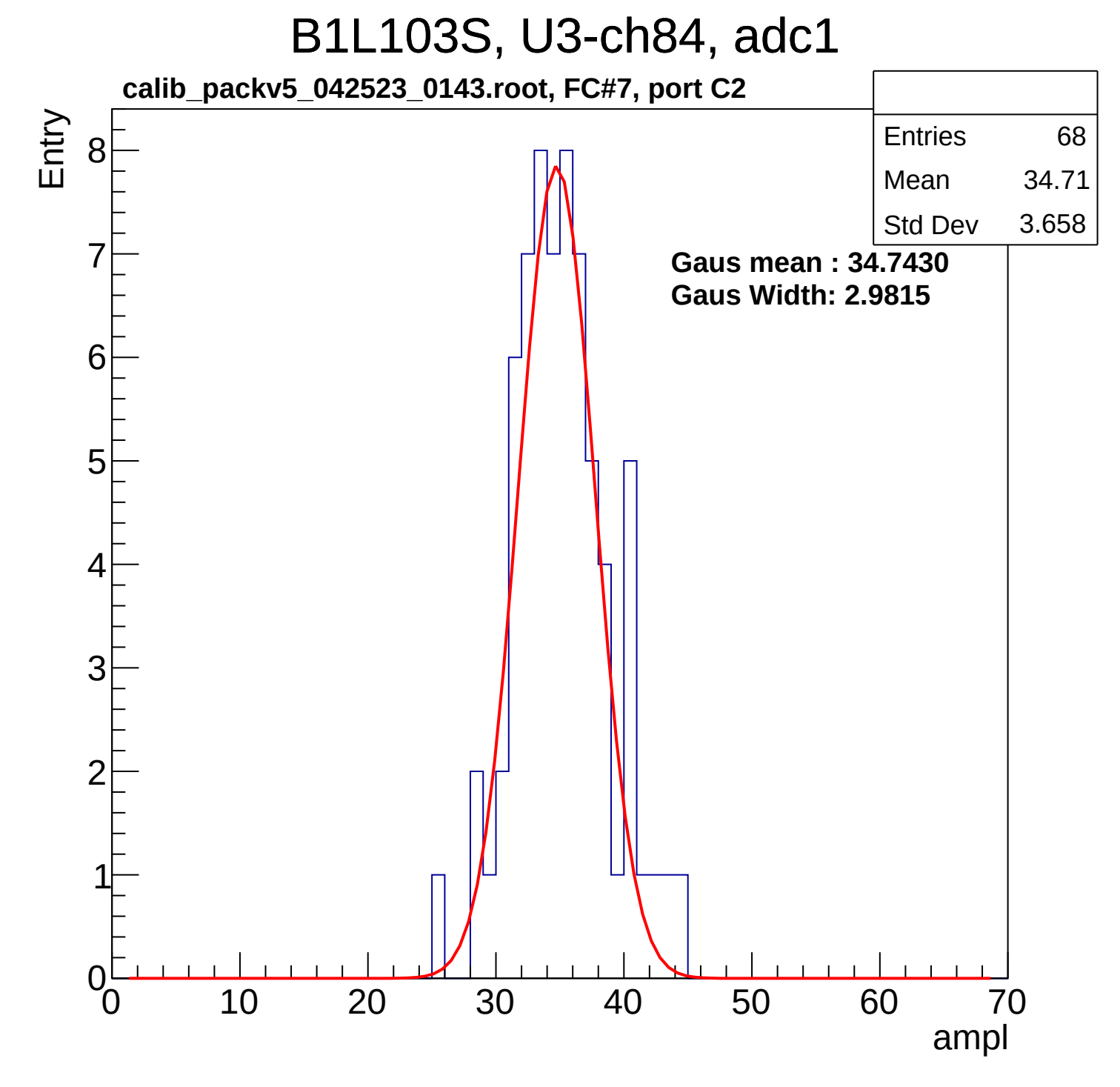
B1L103S, U3-ch84, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 34.71
Std Dev 3.658
Gaus mean : 34.7430
Gaus Width: 2.9815
Entry
ampl
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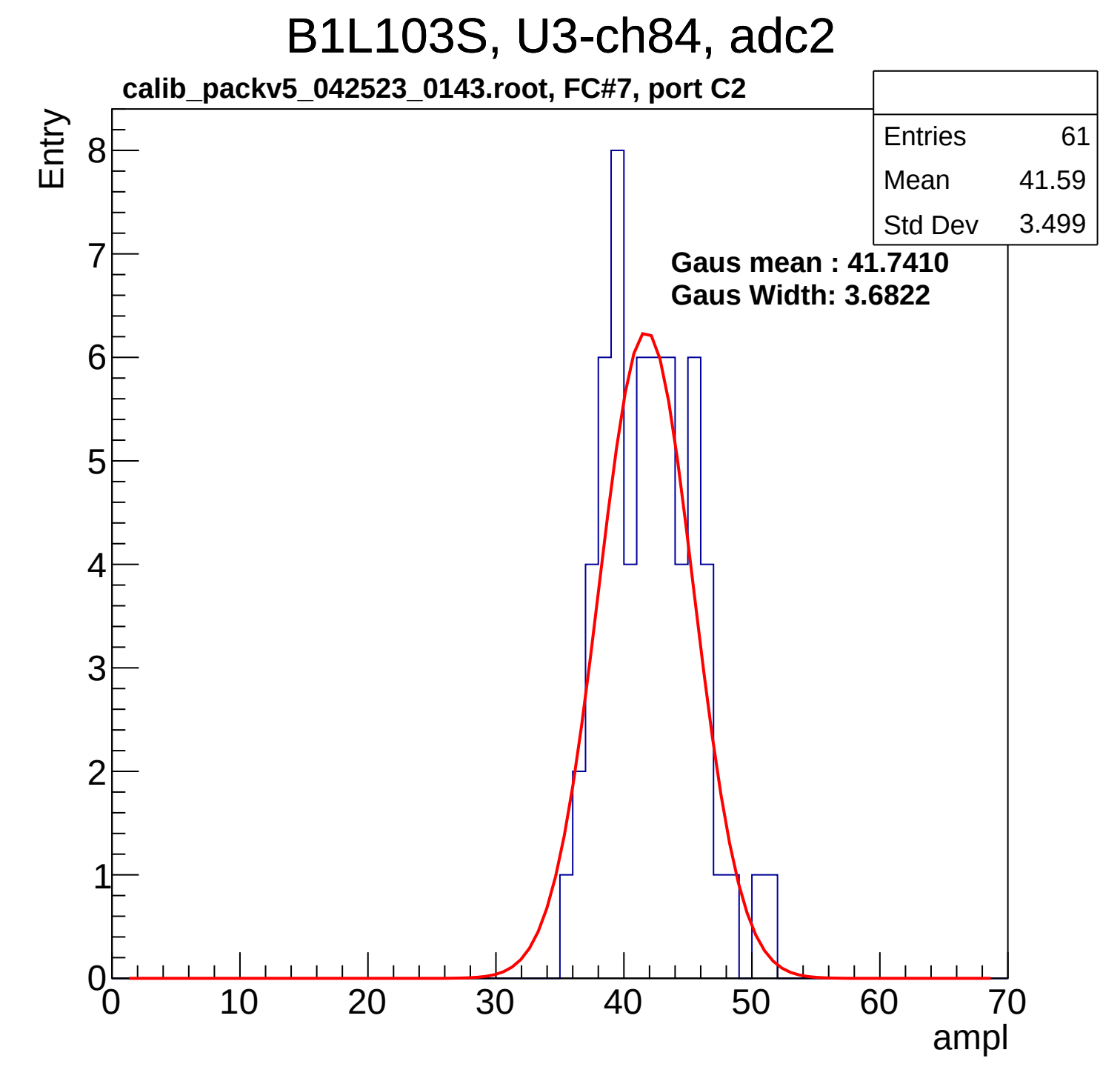
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch84, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 41.59
Std Dev 3.499
Gaus mean : 41.7410
Gaus Width: 3.6822
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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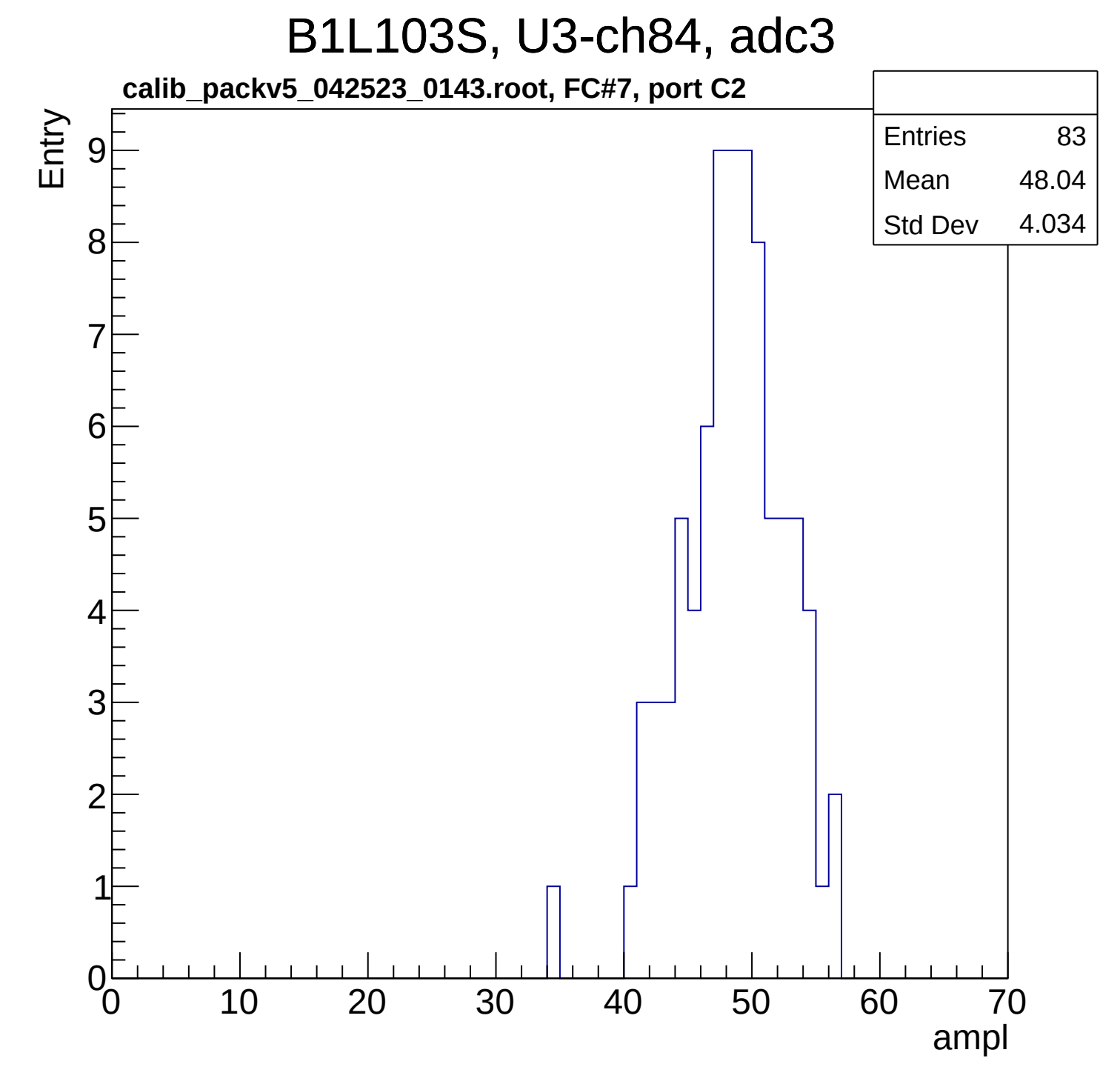
B1L103S, U3-ch84, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 83
Mean 48.04
Std Dev 4.034
Entry
ampl
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3
4
5
6
7
8
9
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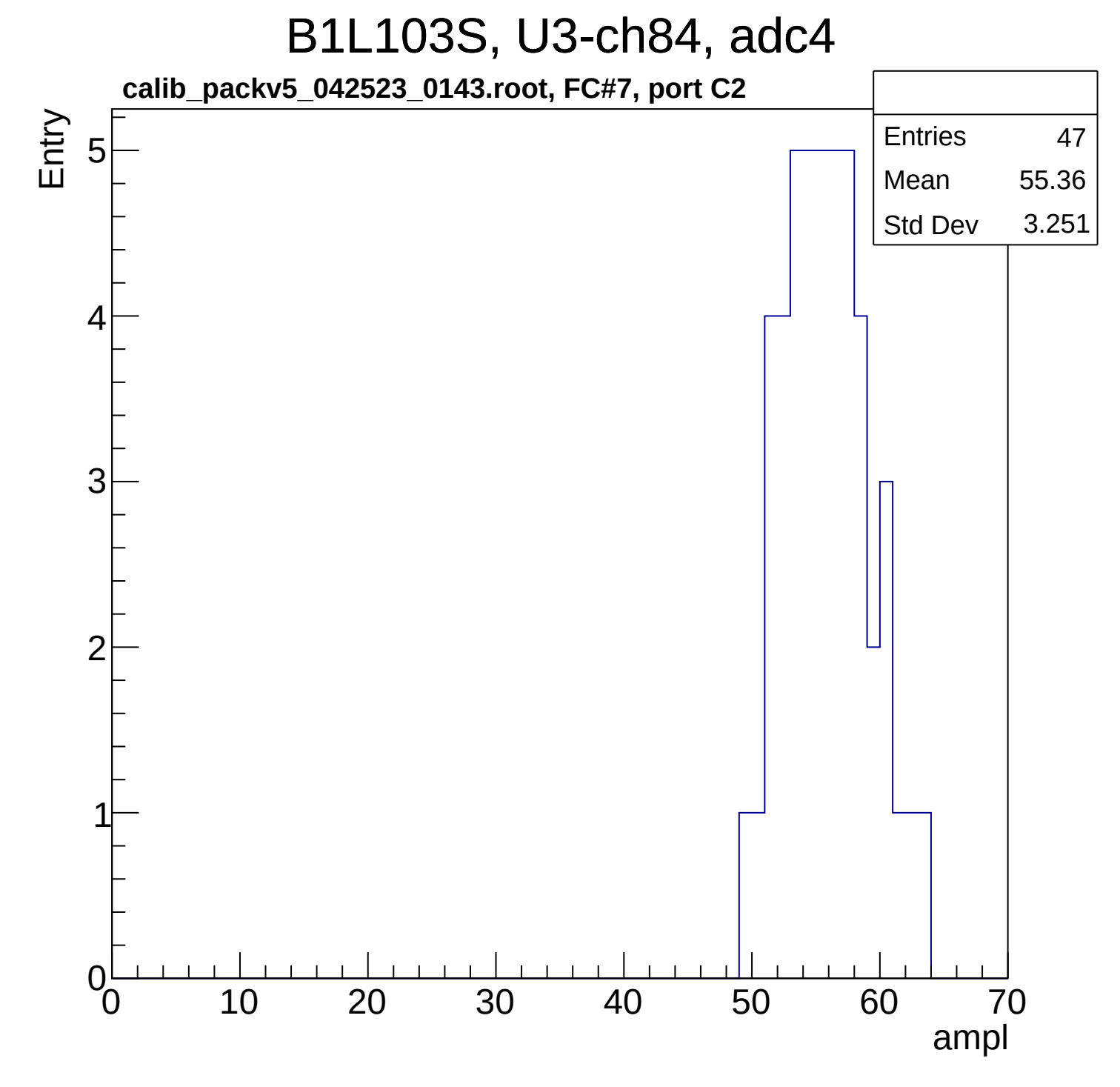
B1L103S, U3-ch84, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 55.36
Std Dev 3.251
Entry
ampl
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2
3
4
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0
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20
30
40
50
60
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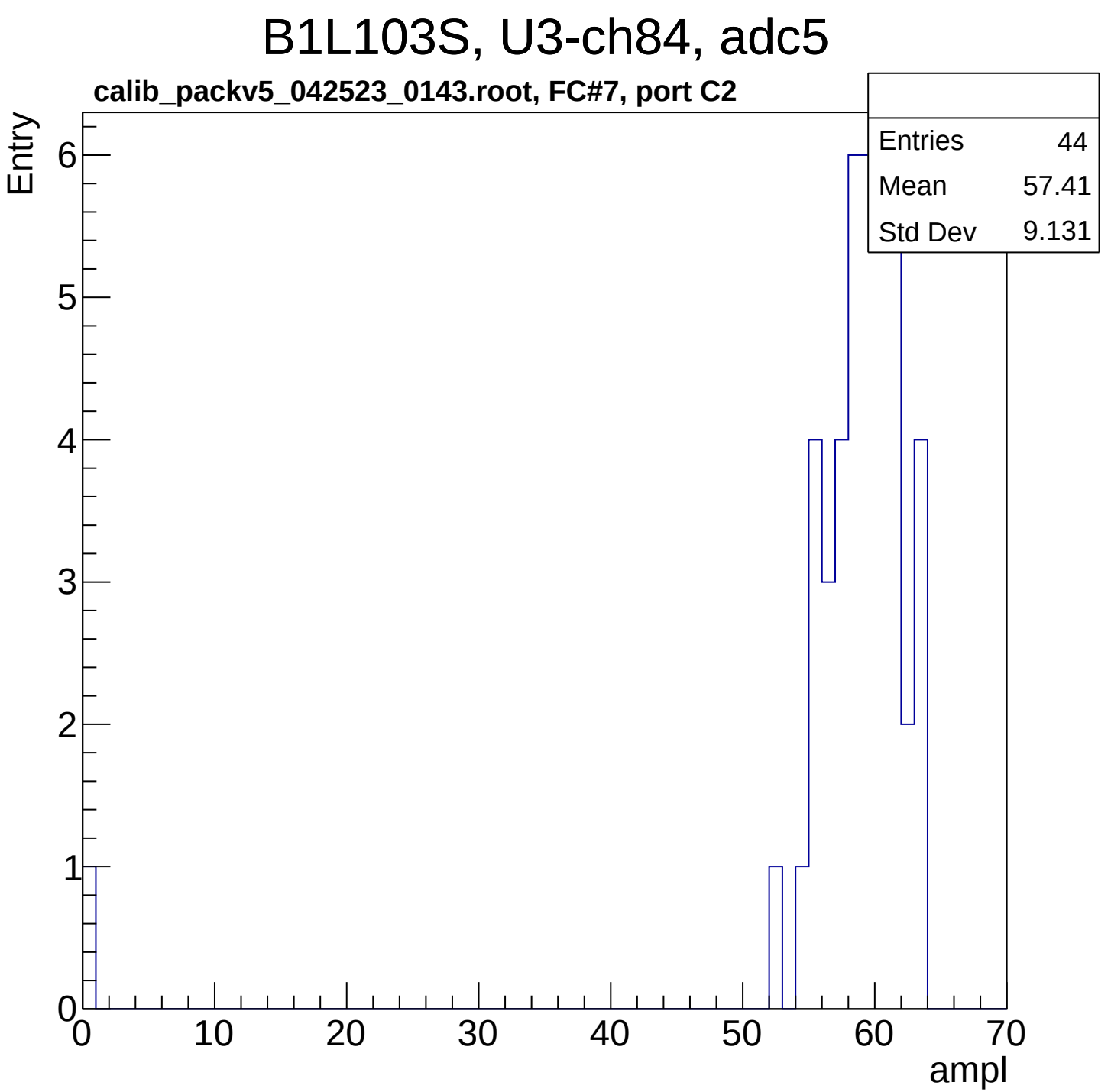
B1L103S, U3-ch84, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 57.41
Std Dev 9.131
Entry
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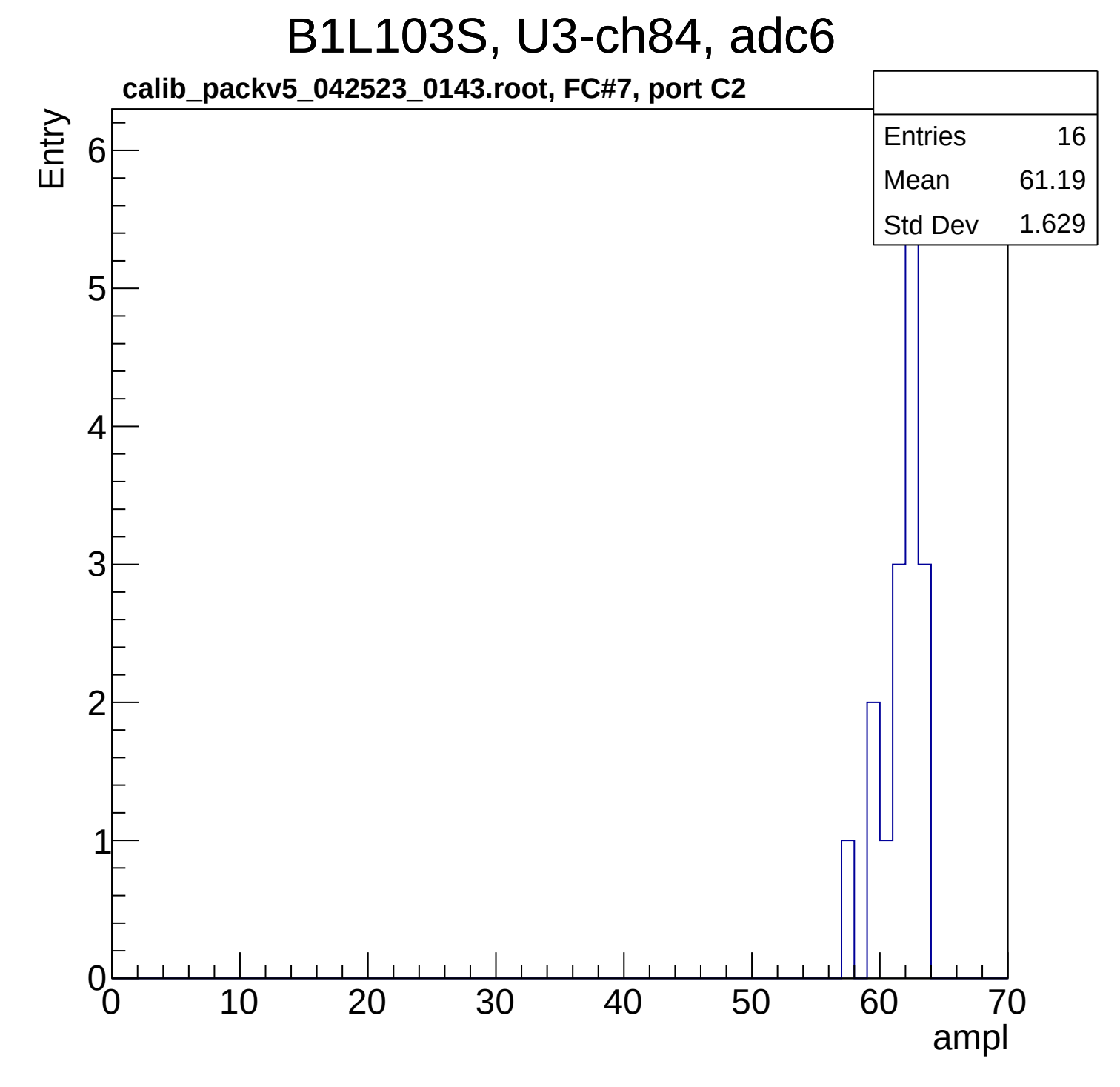
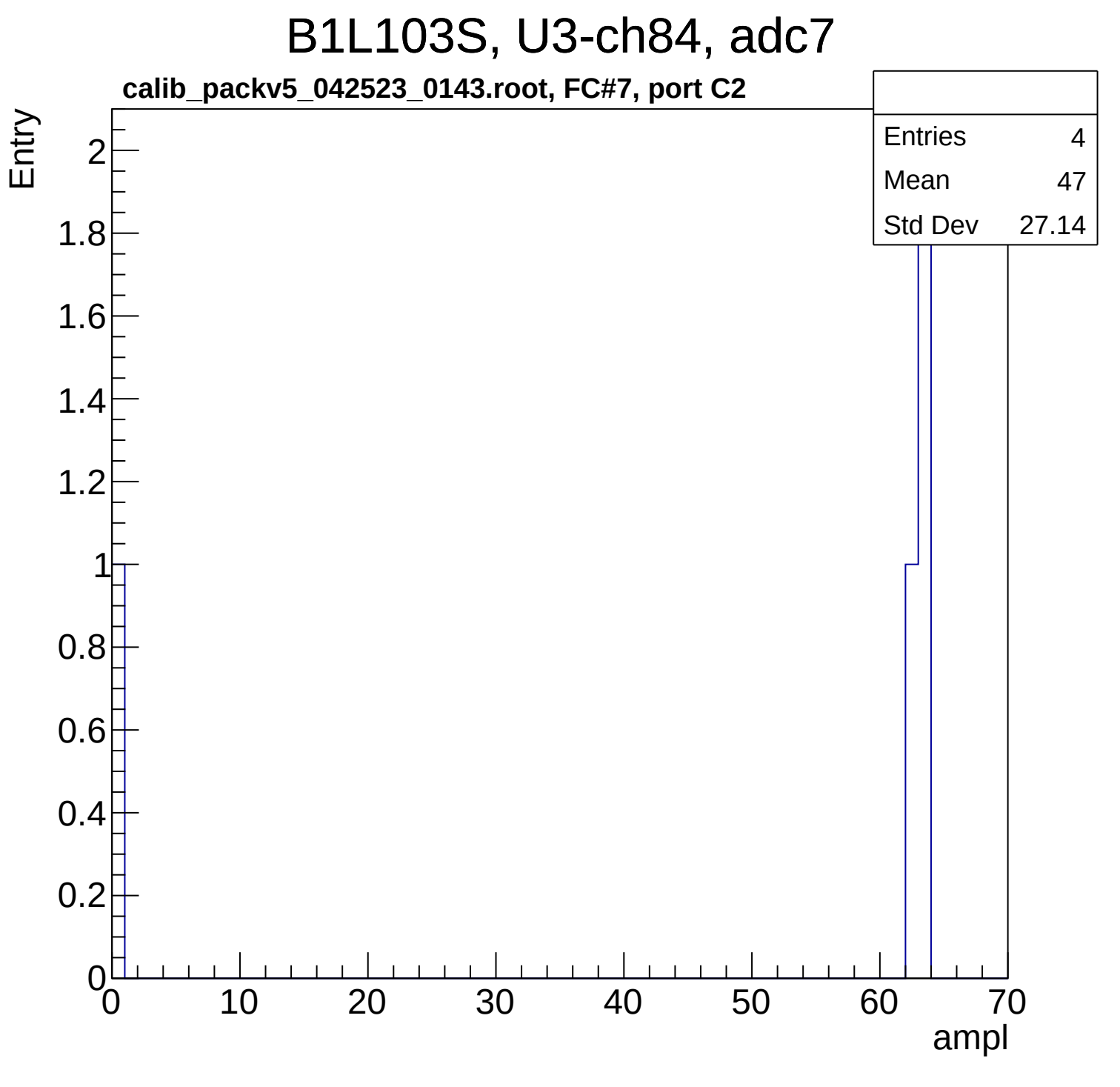
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch84, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 61.19
Std Dev 1.629
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch84, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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
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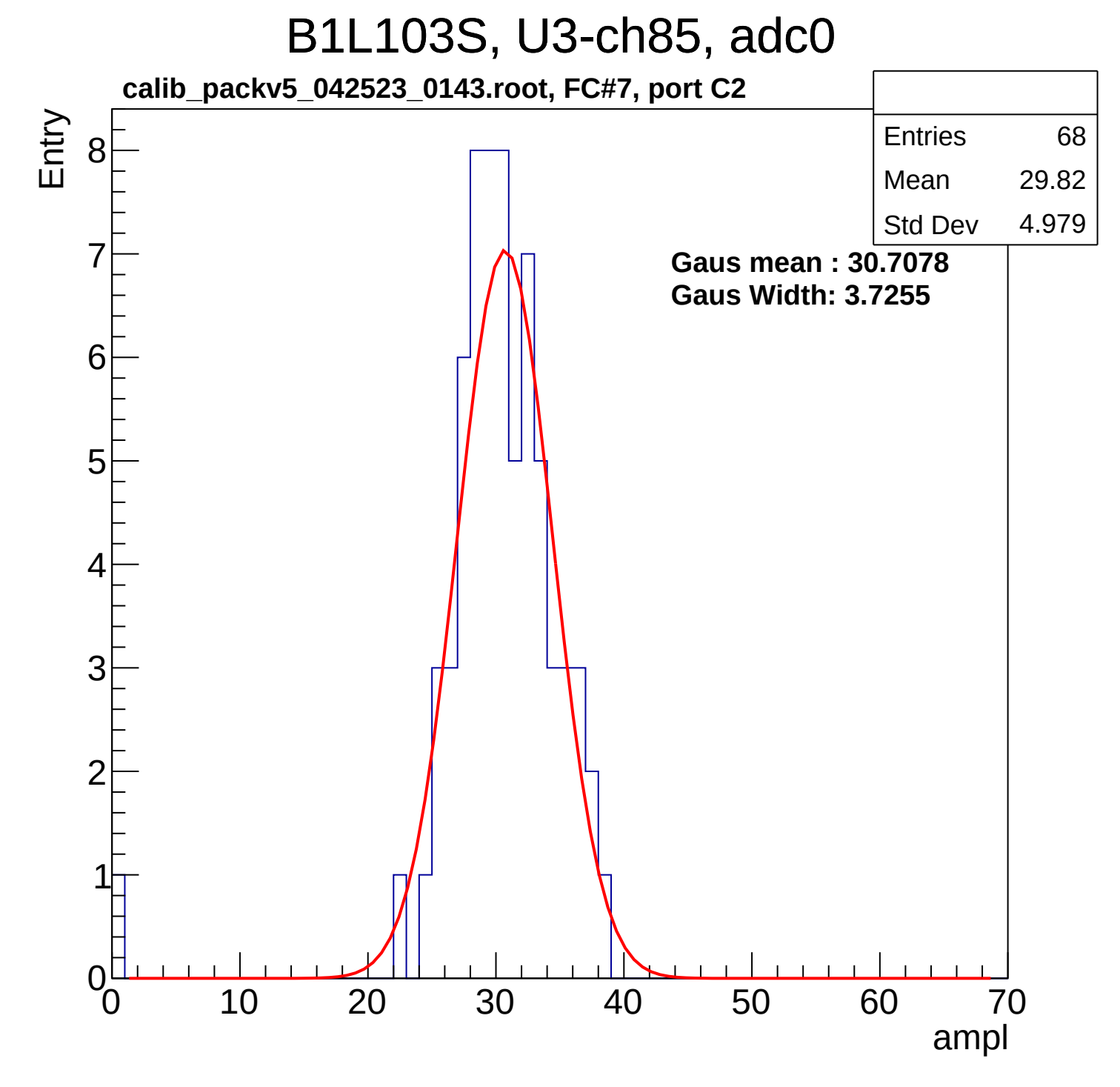
B1L103S, U3-ch85, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 29.82
Std Dev 4.979
Gaus mean : 30.7078
Gaus Width: 3.7255
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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40
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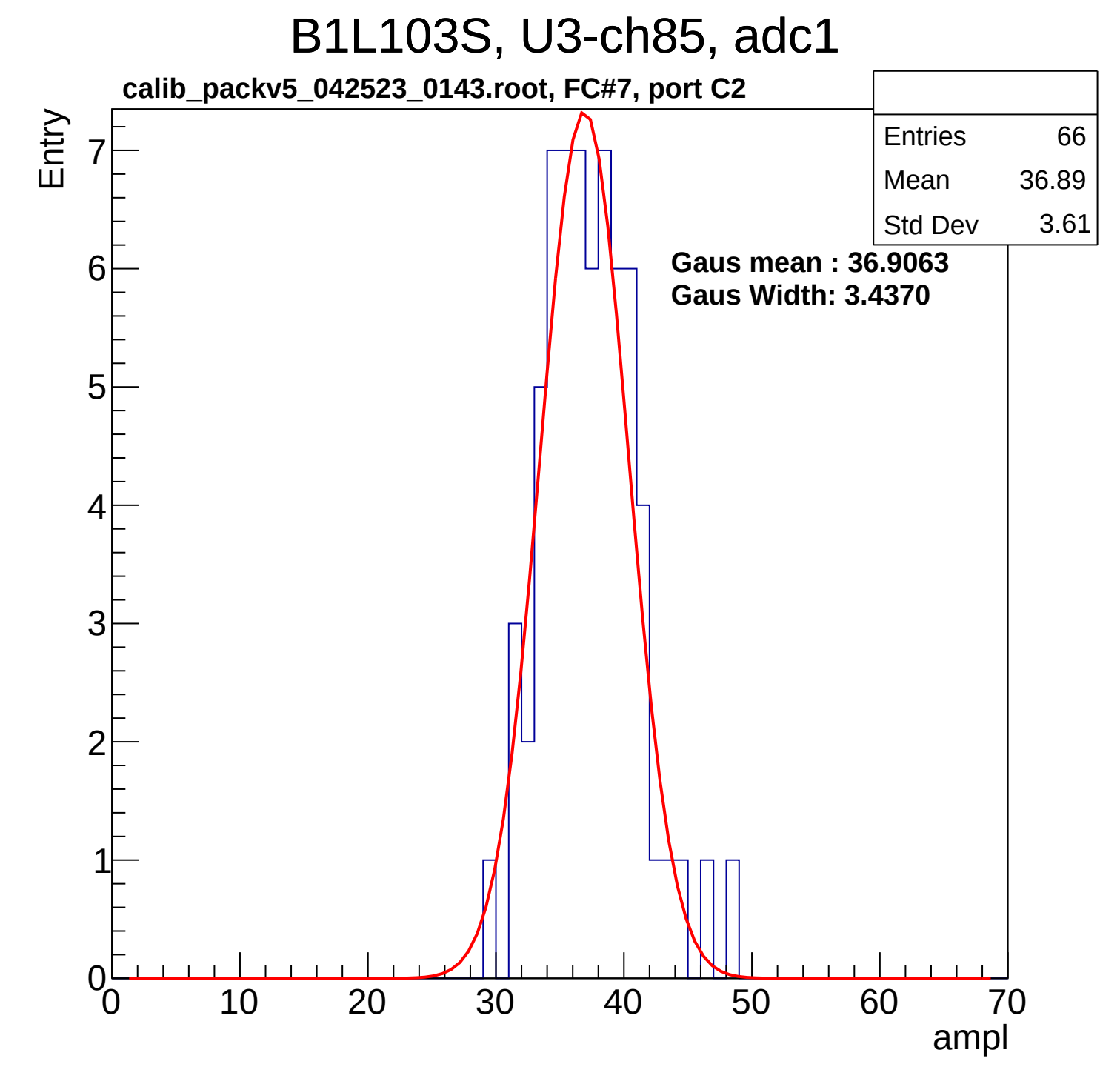
B1L103S, U3-ch85, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 36.89
Std Dev 3.61
Gaus mean : 36.9063
Gaus Width: 3.4370
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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60
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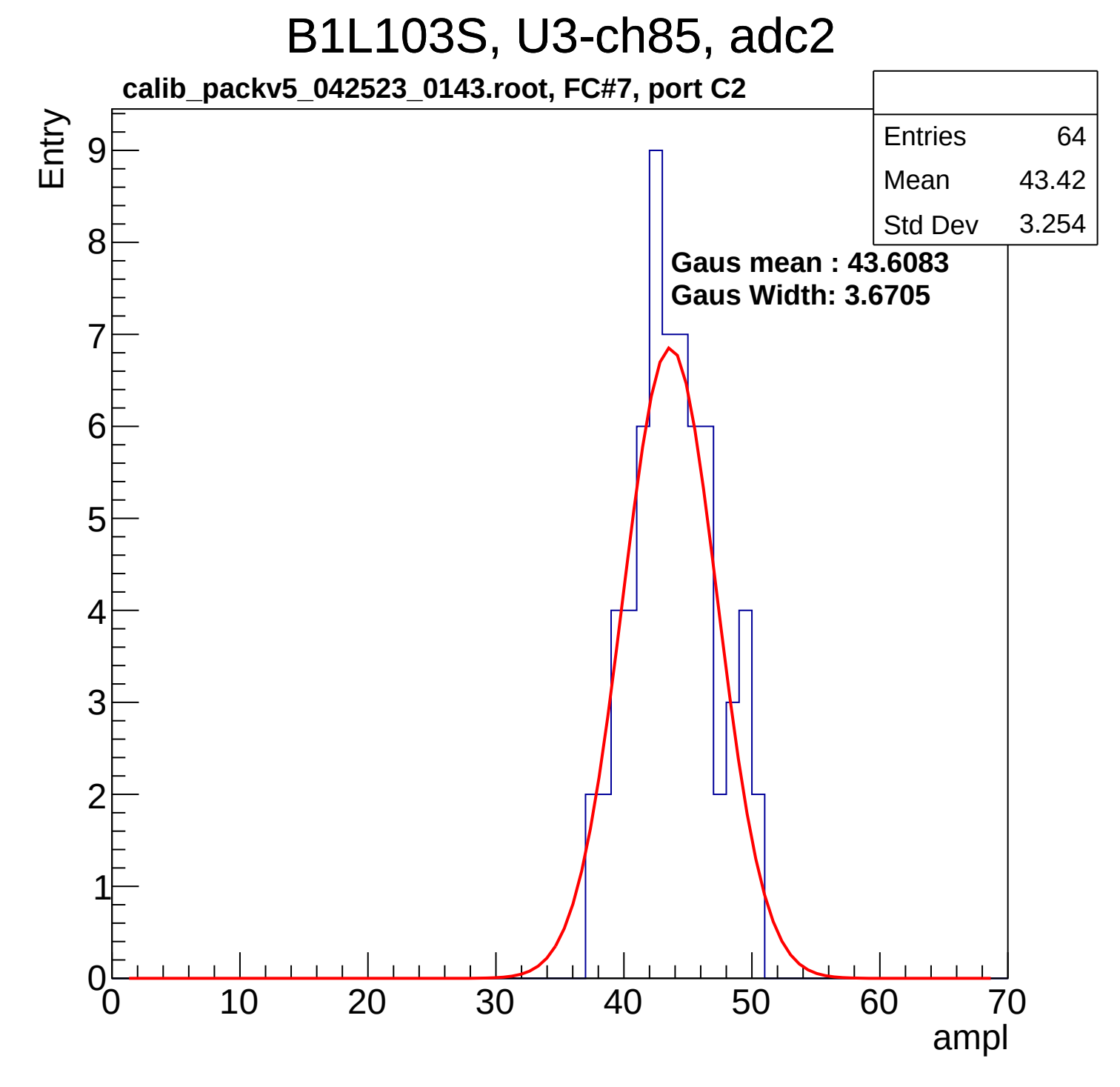
B1L103S, U3-ch85, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 43.42
Std Dev 3.254
Gaus mean : 43.6083
Gaus Width: 3.6705
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
30
40
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60
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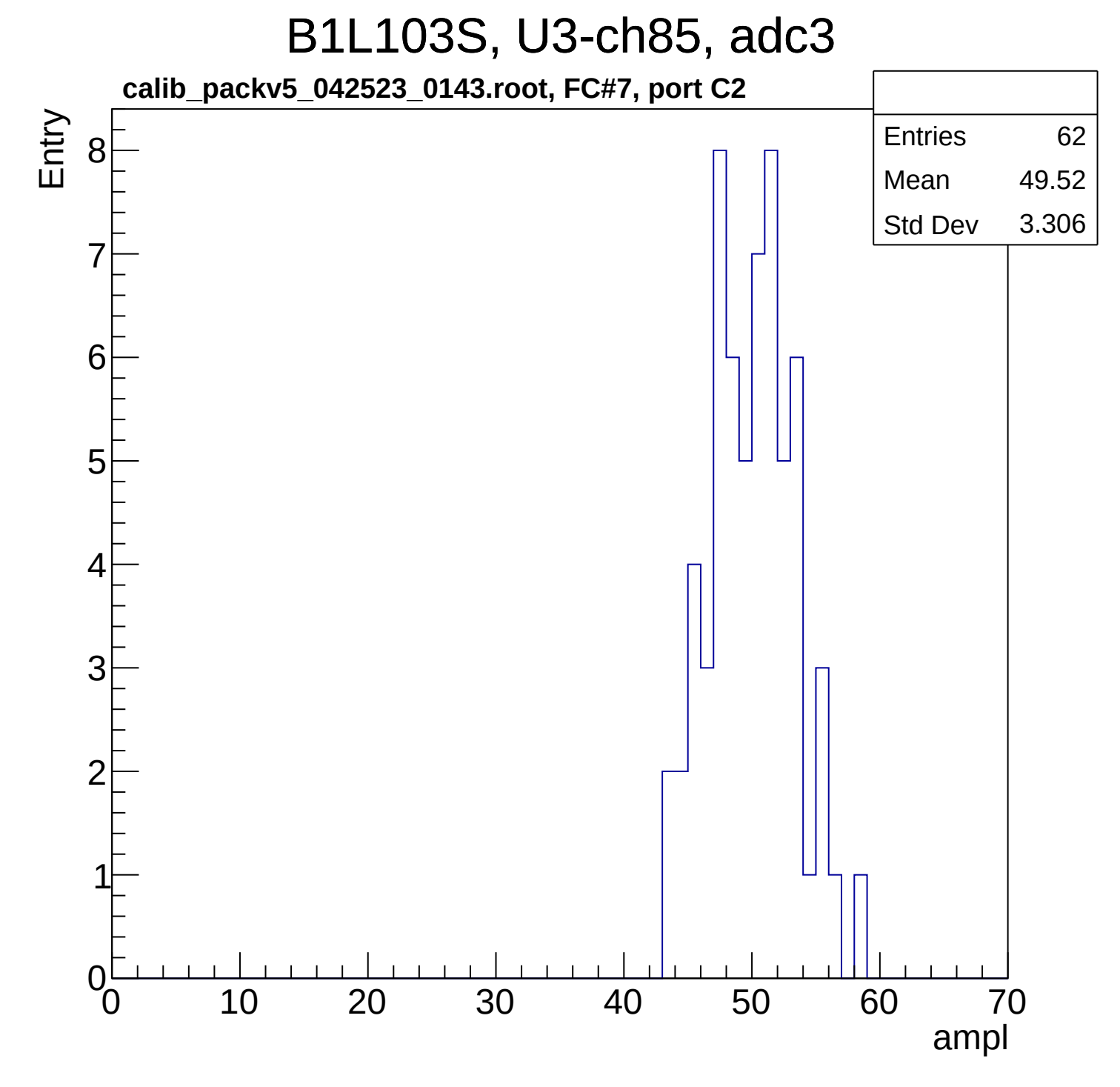
B1L103S, U3-ch85, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 49.52
Std Dev 3.306
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
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60
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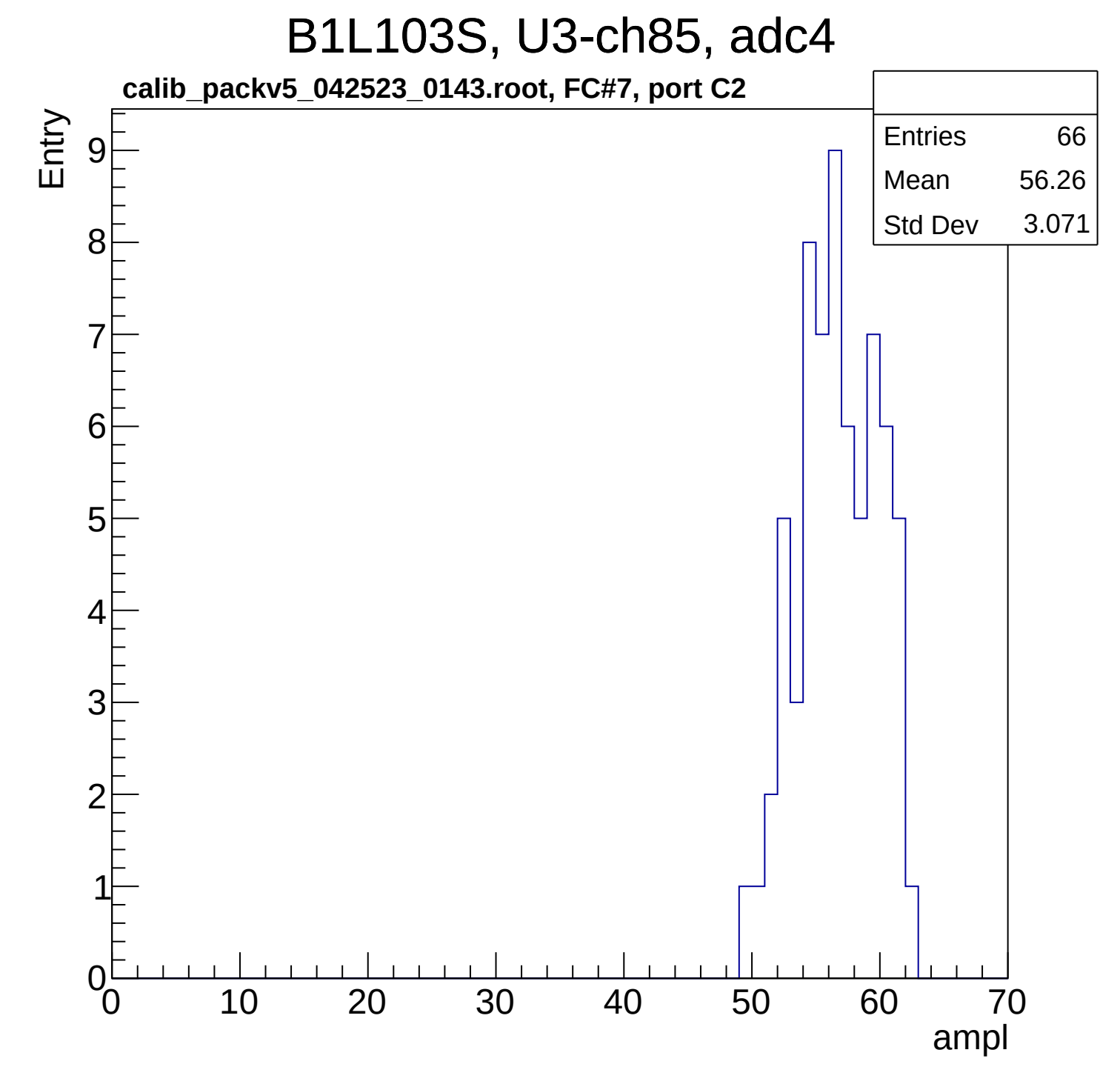
B1L103S, U3-ch85, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 56.26
Std Dev 3.071
Entry
ampl
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2
3
4
5
6
7
8
9
0
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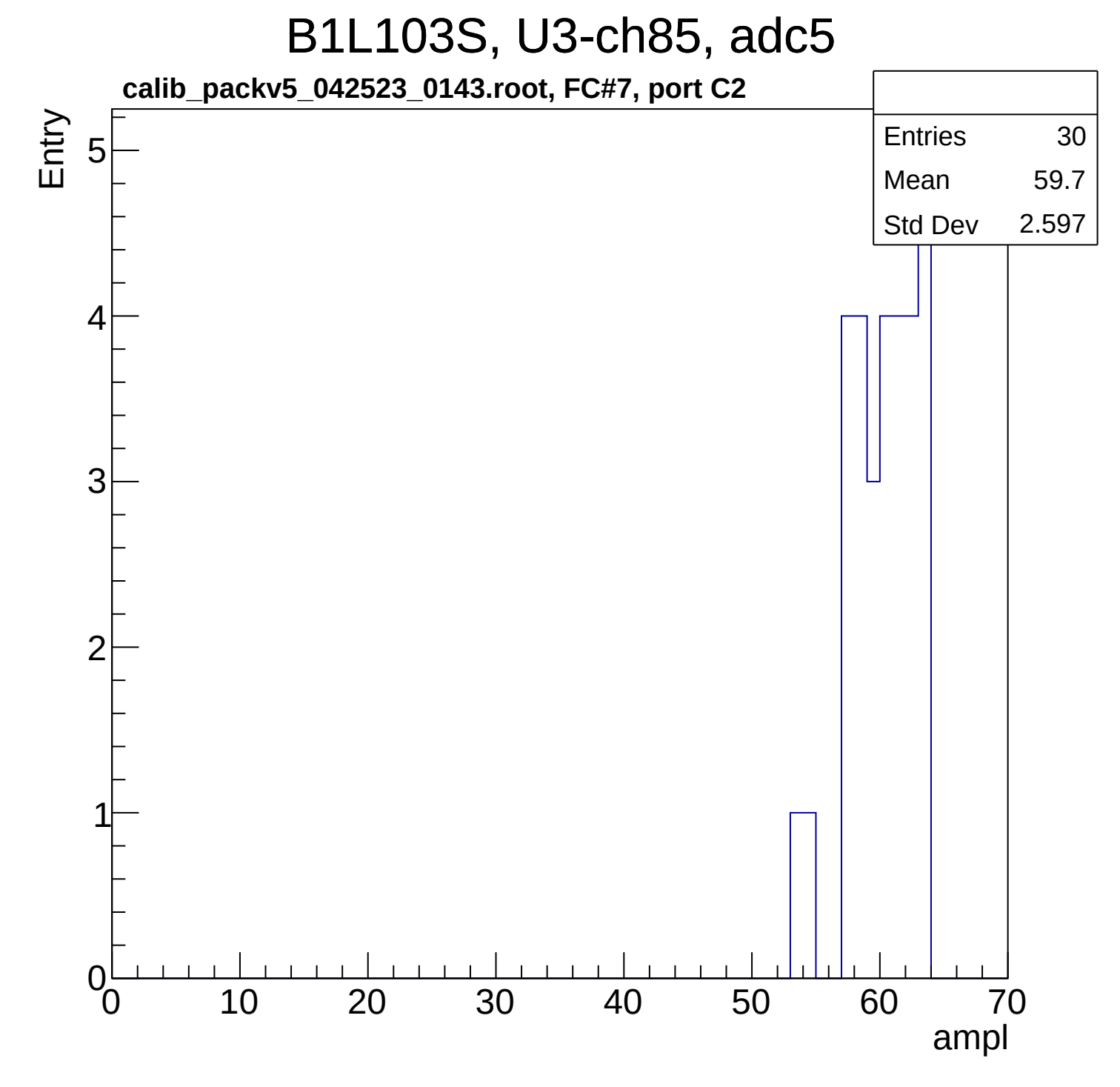
B1L103S, U3-ch85, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 30
Mean 59.7
Std Dev 2.597
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
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60
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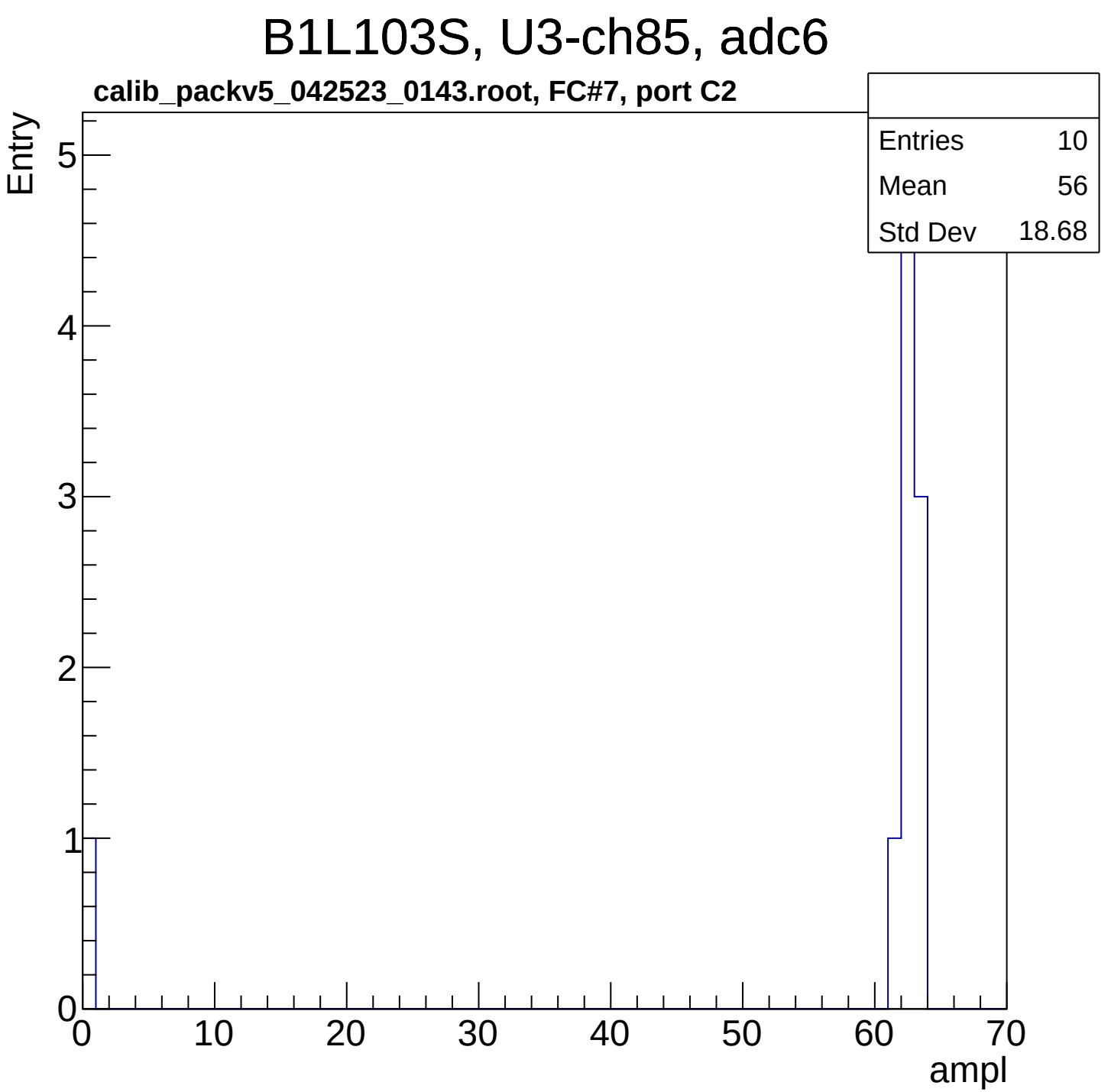
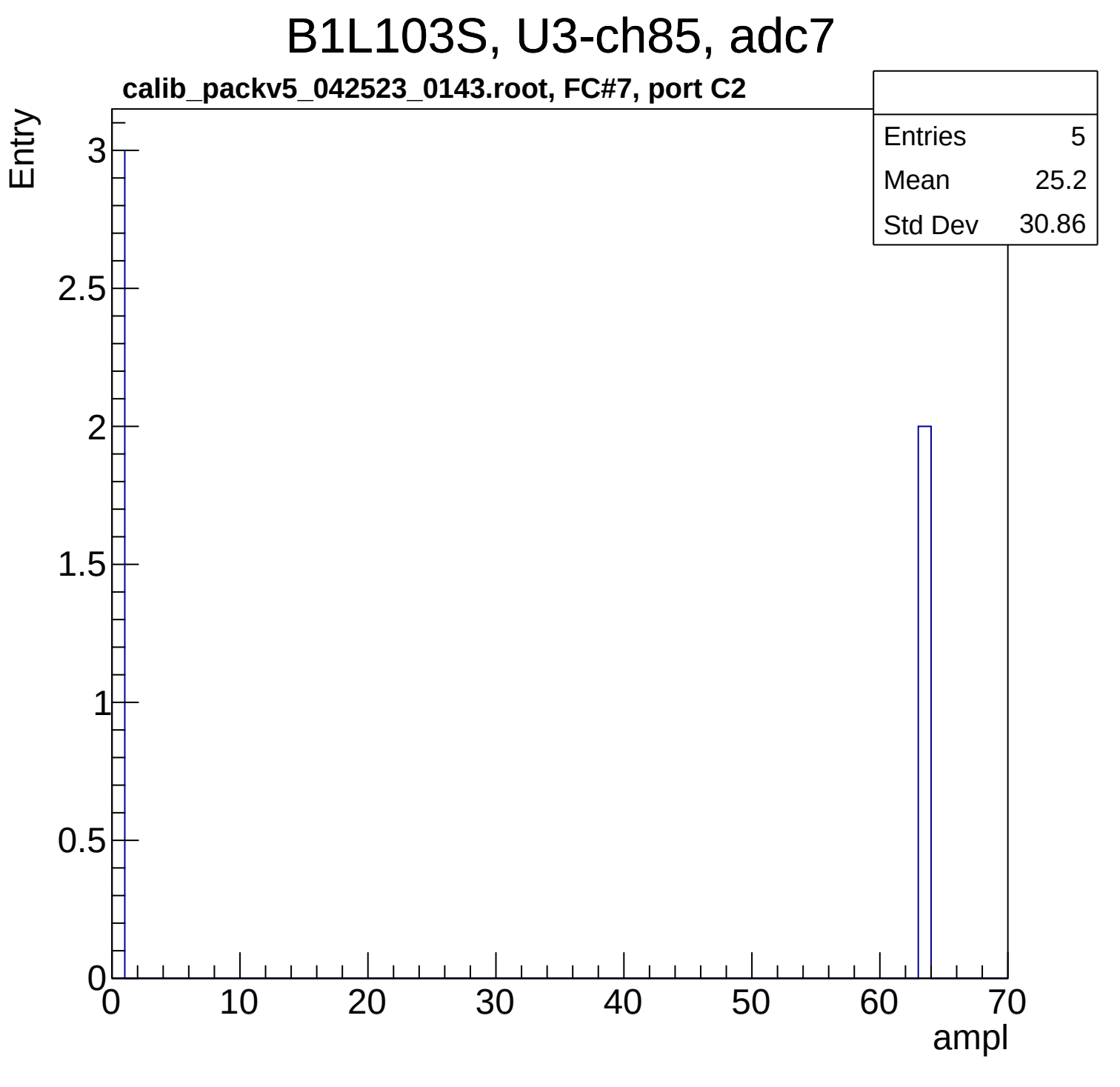

B1L103S, U3-ch85, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 56
Std Dev 18.68
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch85, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 25.2
Std Dev 30.86
Entry
ampl
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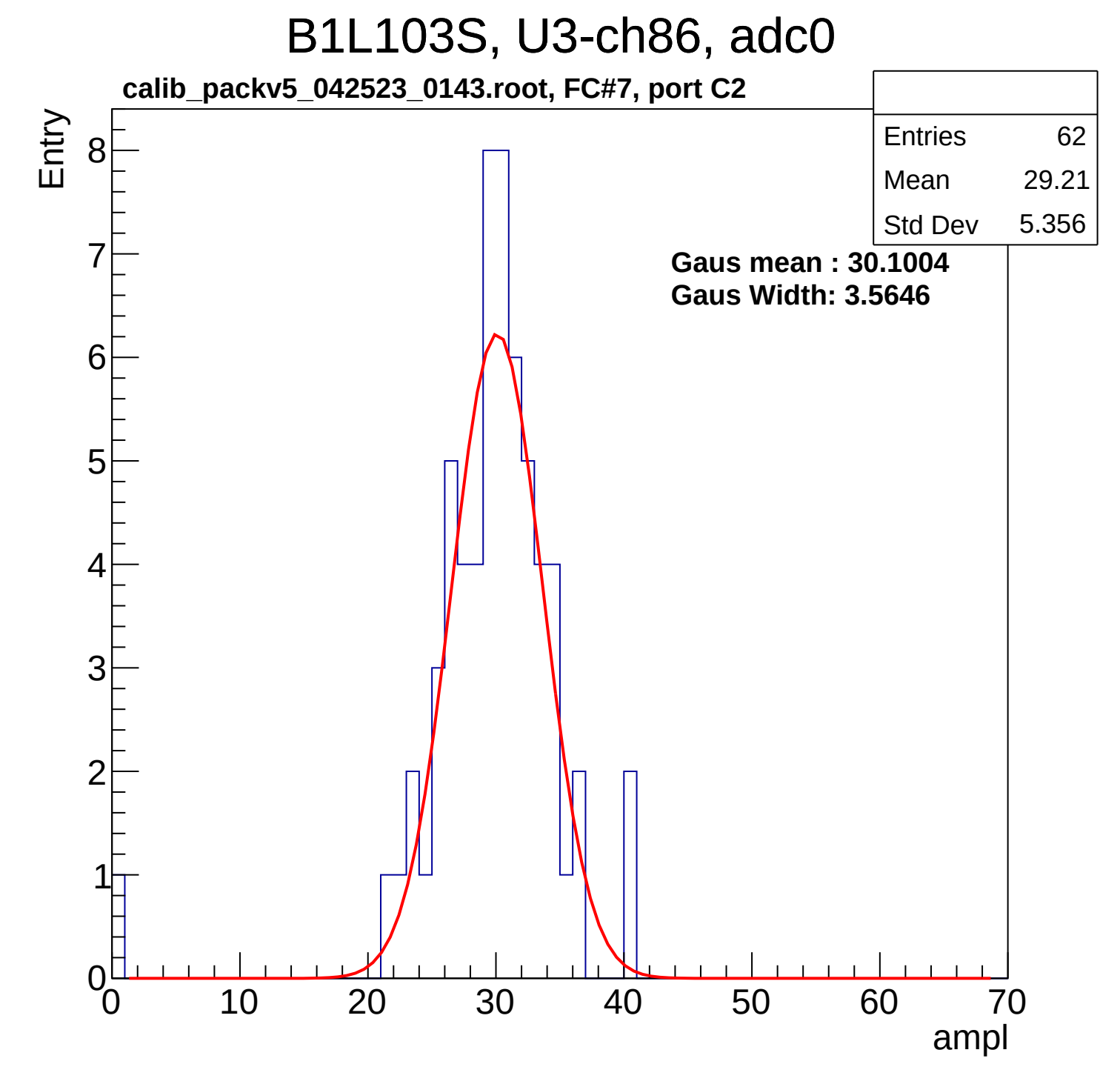
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch86, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 29.21
Std Dev 5.356
Gaus mean : 30.1004
Gaus Width: 3.5646
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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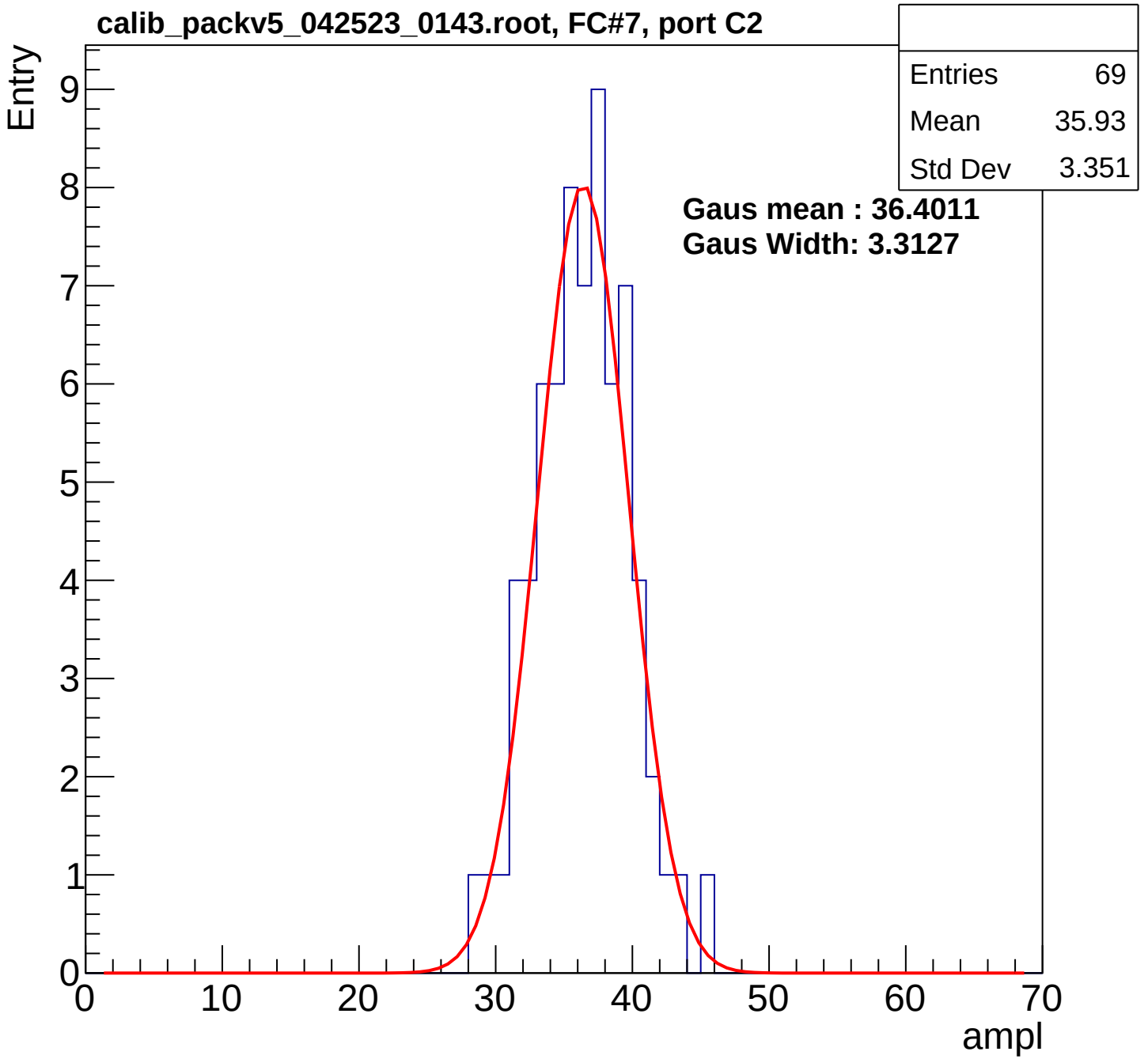
B1L103S, U3-ch86, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 35.93
Std Dev 3.351
Gaus mean : 36.4011
Gaus Width: 3.3127
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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20
30
40
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60
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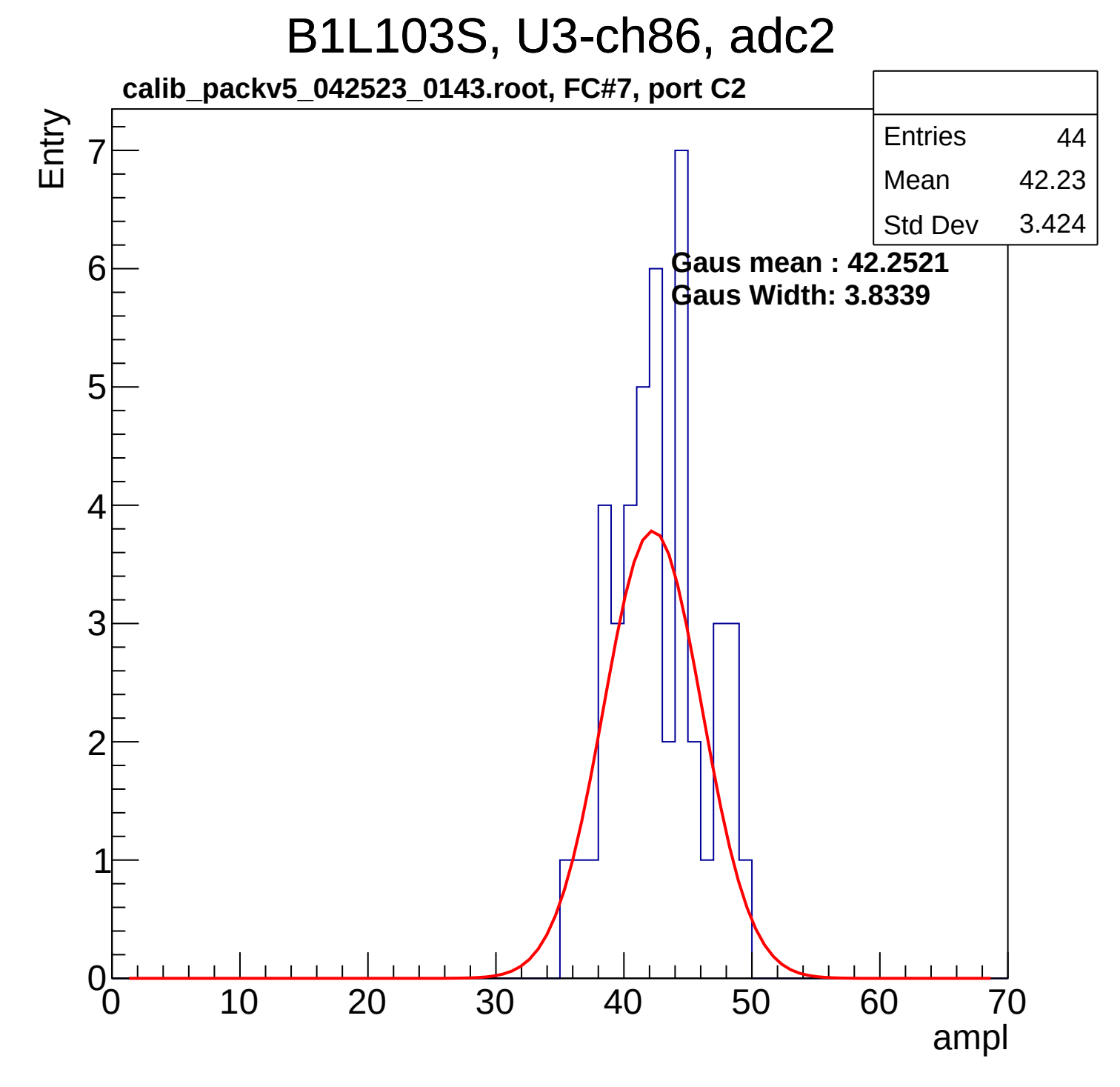
B1L103S, U3-ch86, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 42.23
Std Dev 3.424
Gaus mean : 42.2521
Gaus Width: 3.8339
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
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60
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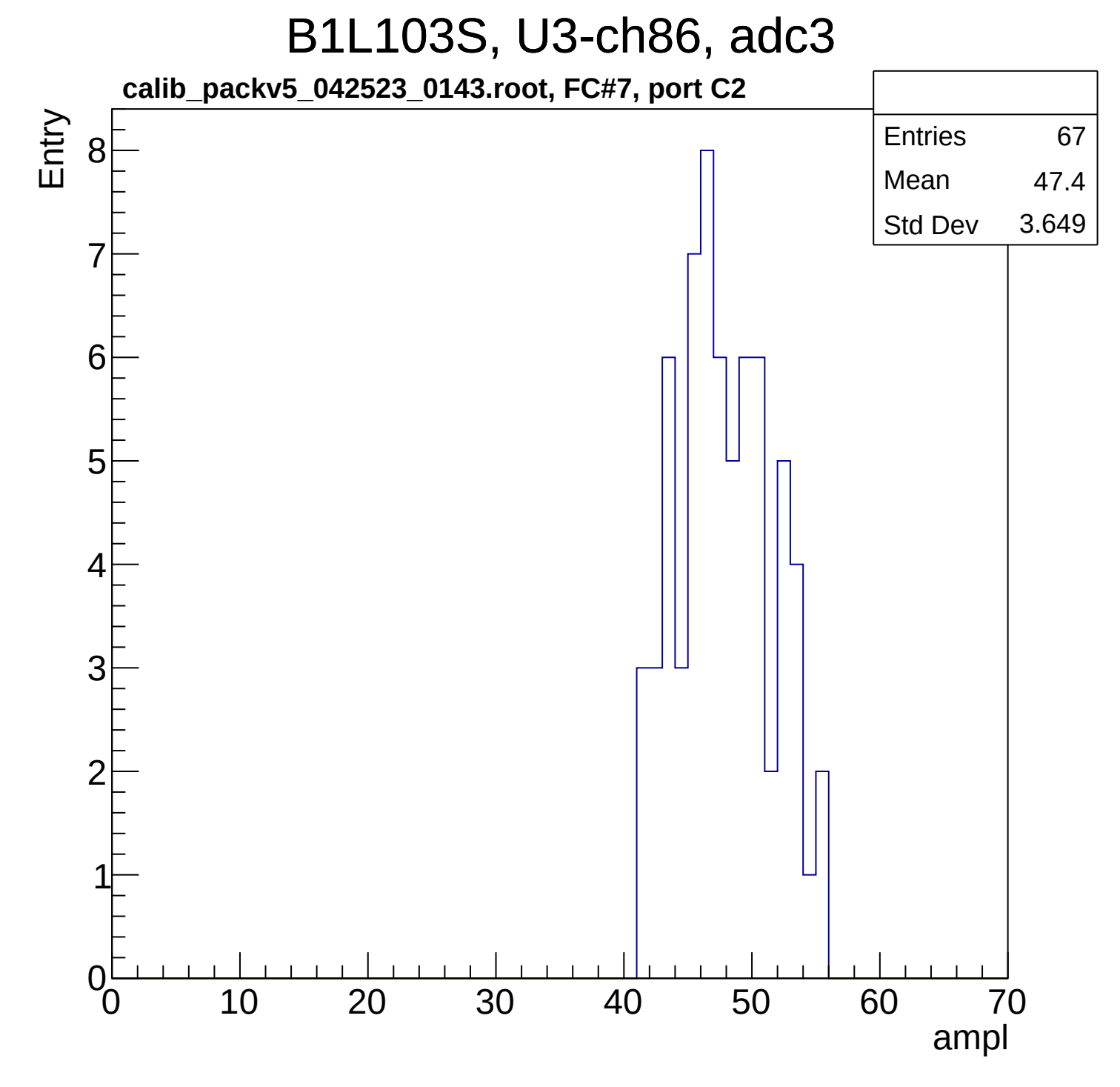
B1L103S, U3-ch86, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 47.4
Std Dev 3.649
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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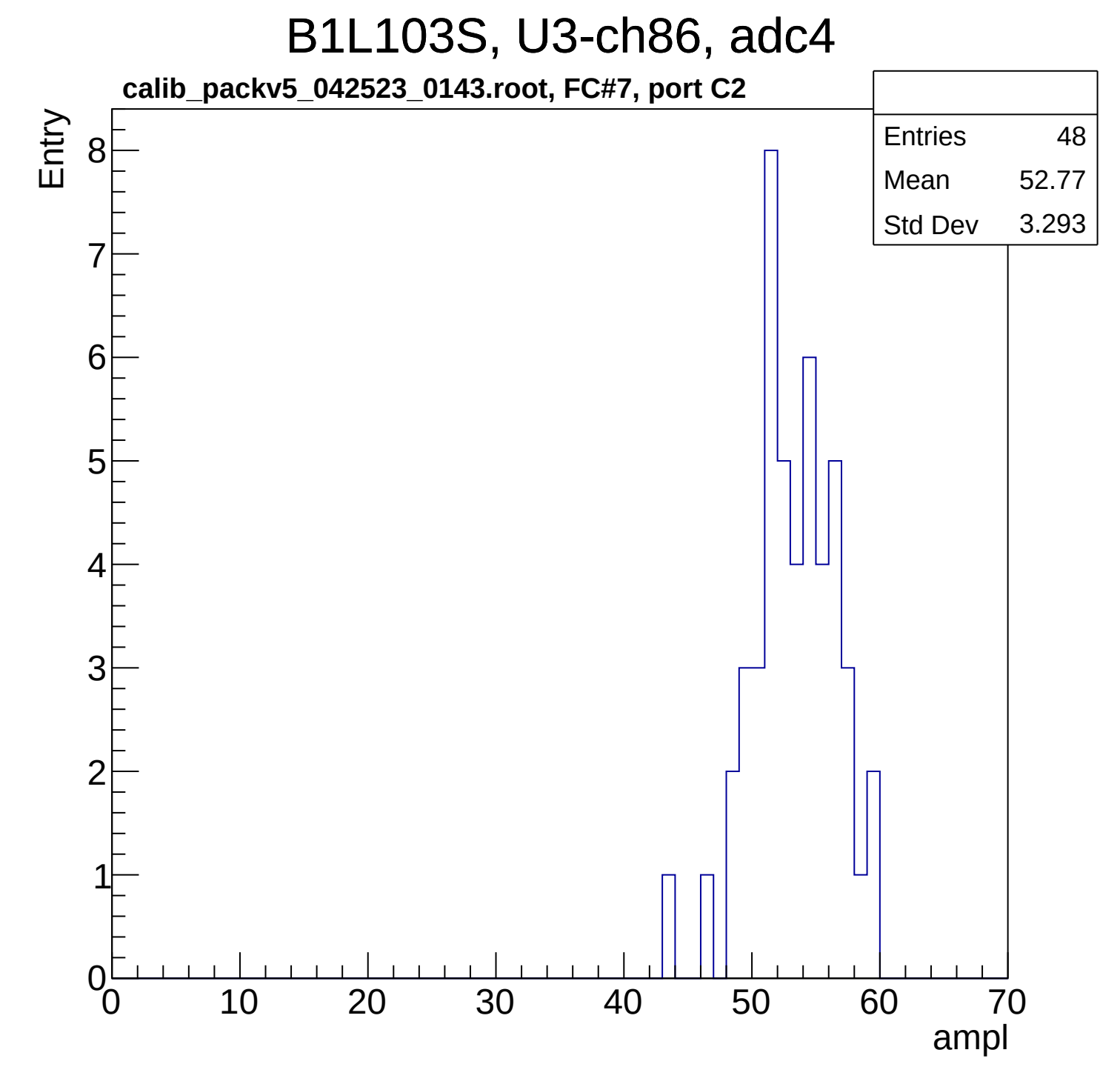
B1L103S, U3-ch86, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 52.77
Std Dev 3.293
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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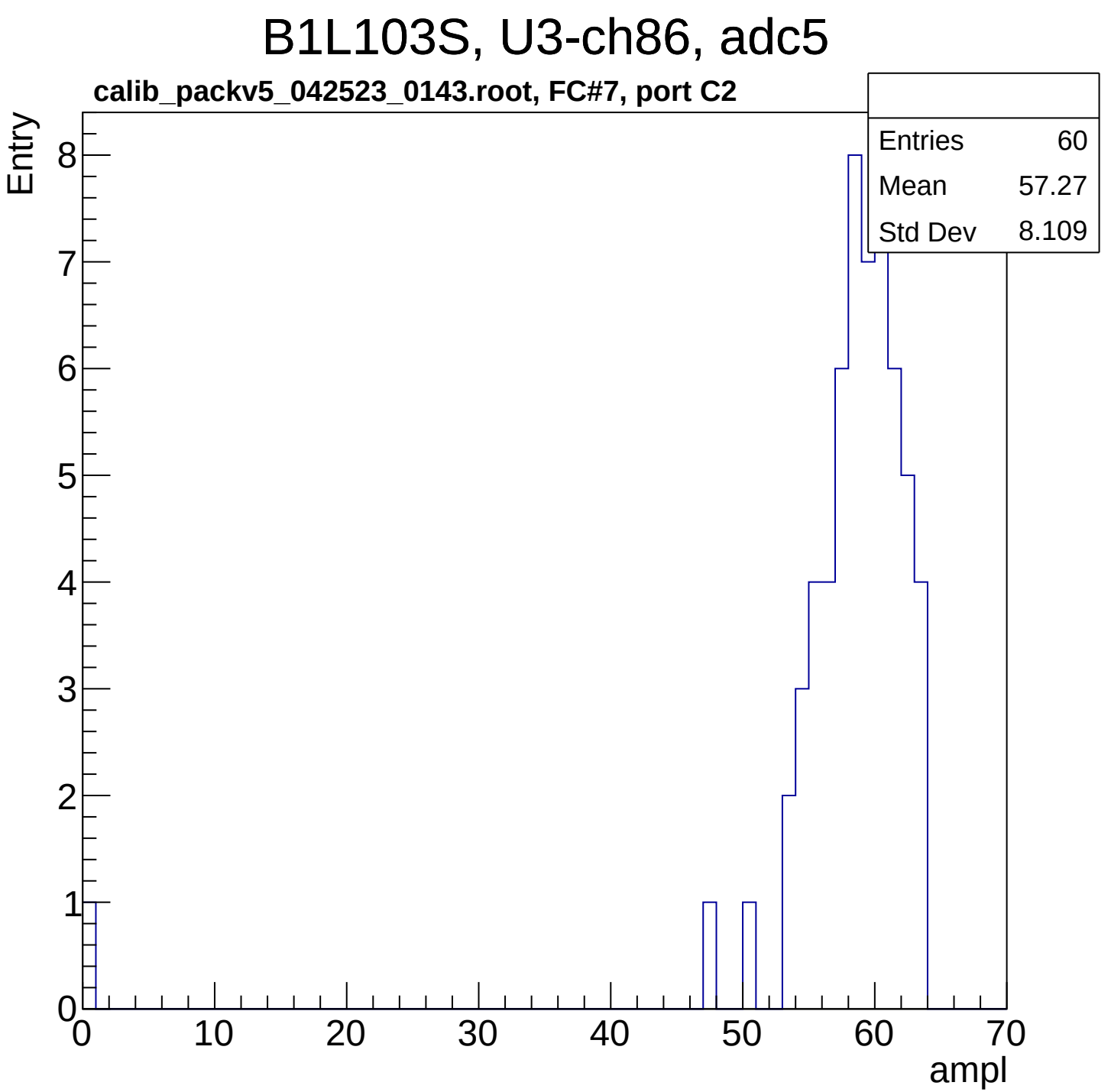
B1L103S, U3-ch86, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 57.27
Std Dev 8.109
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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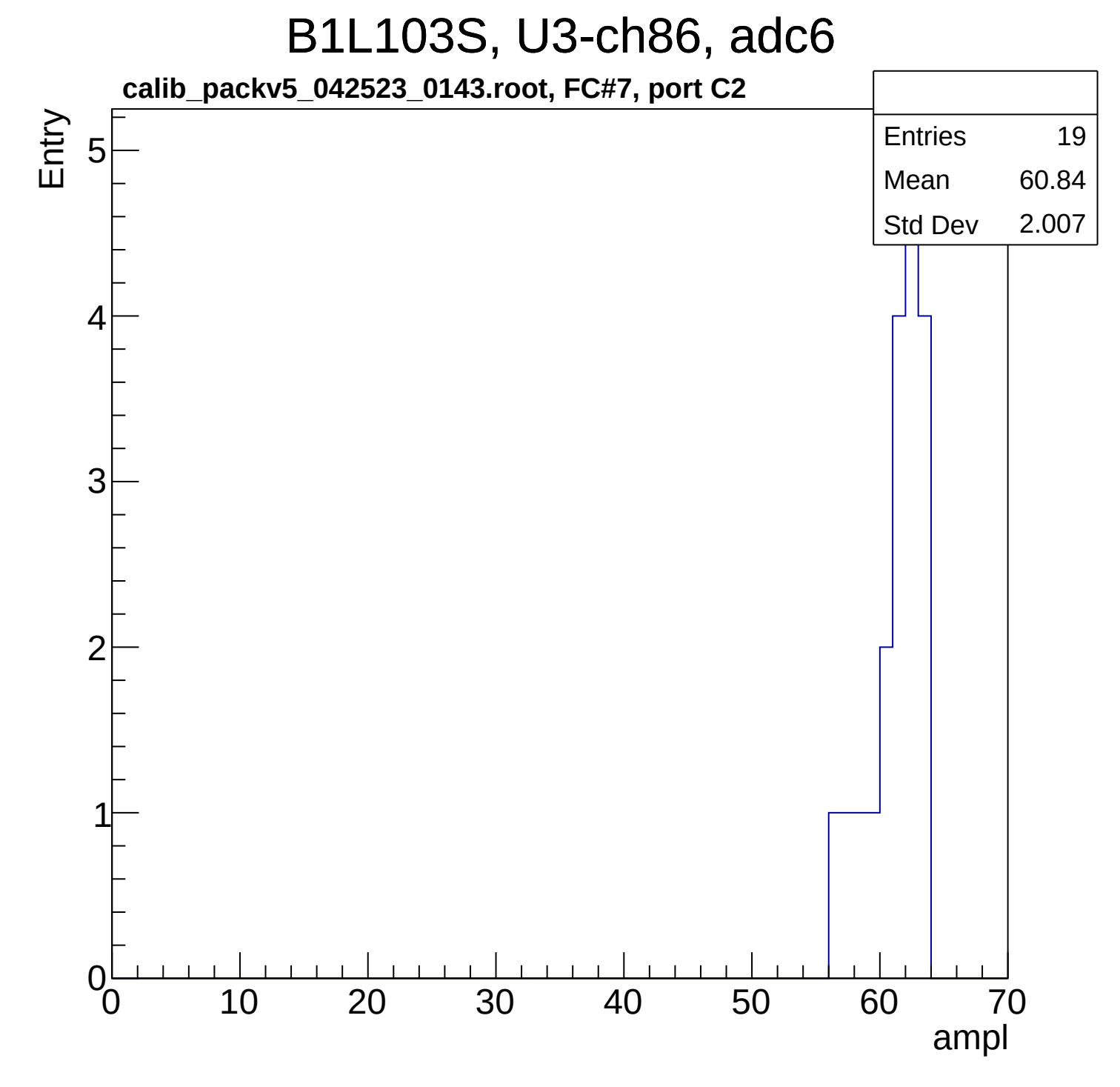
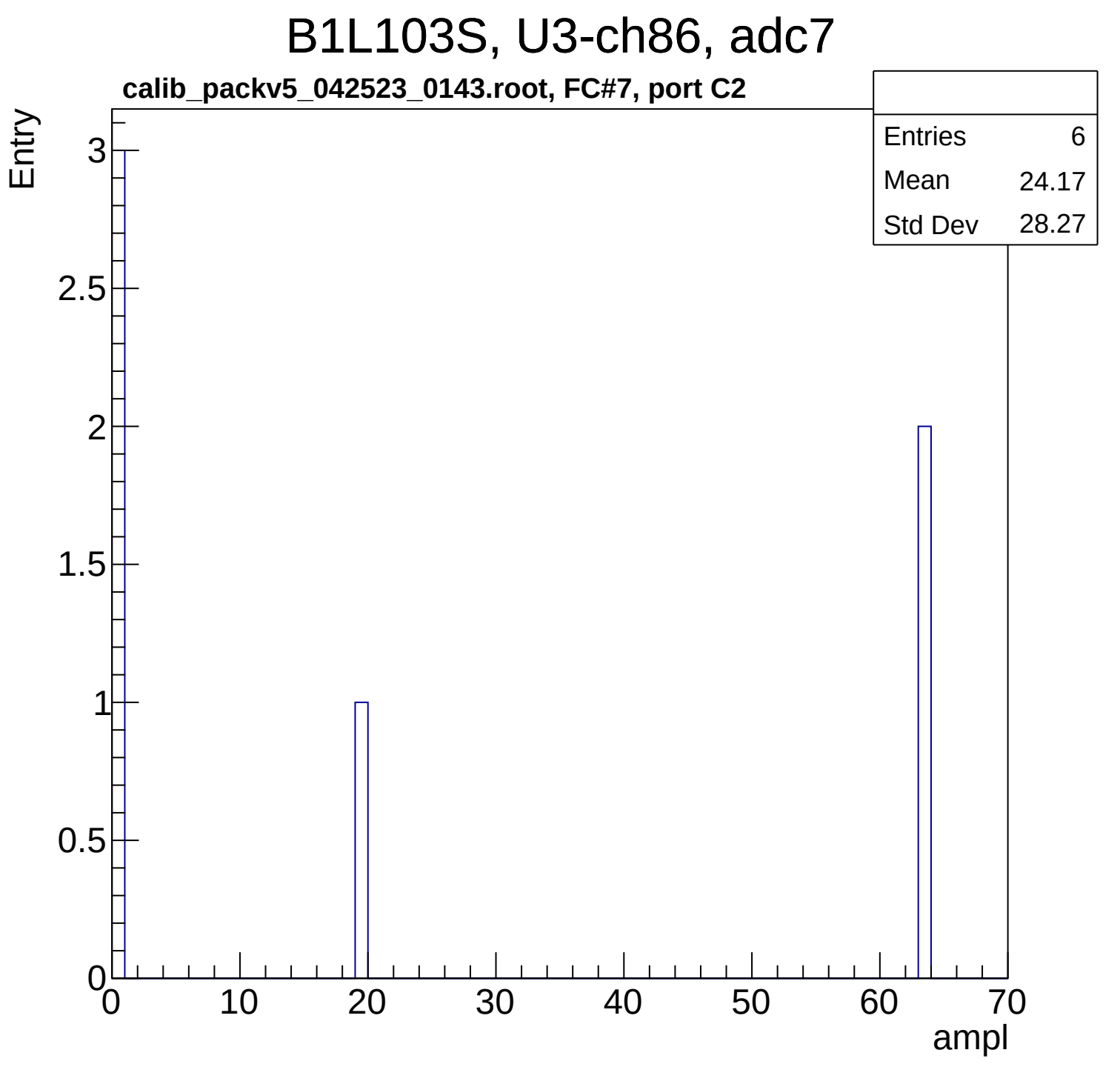
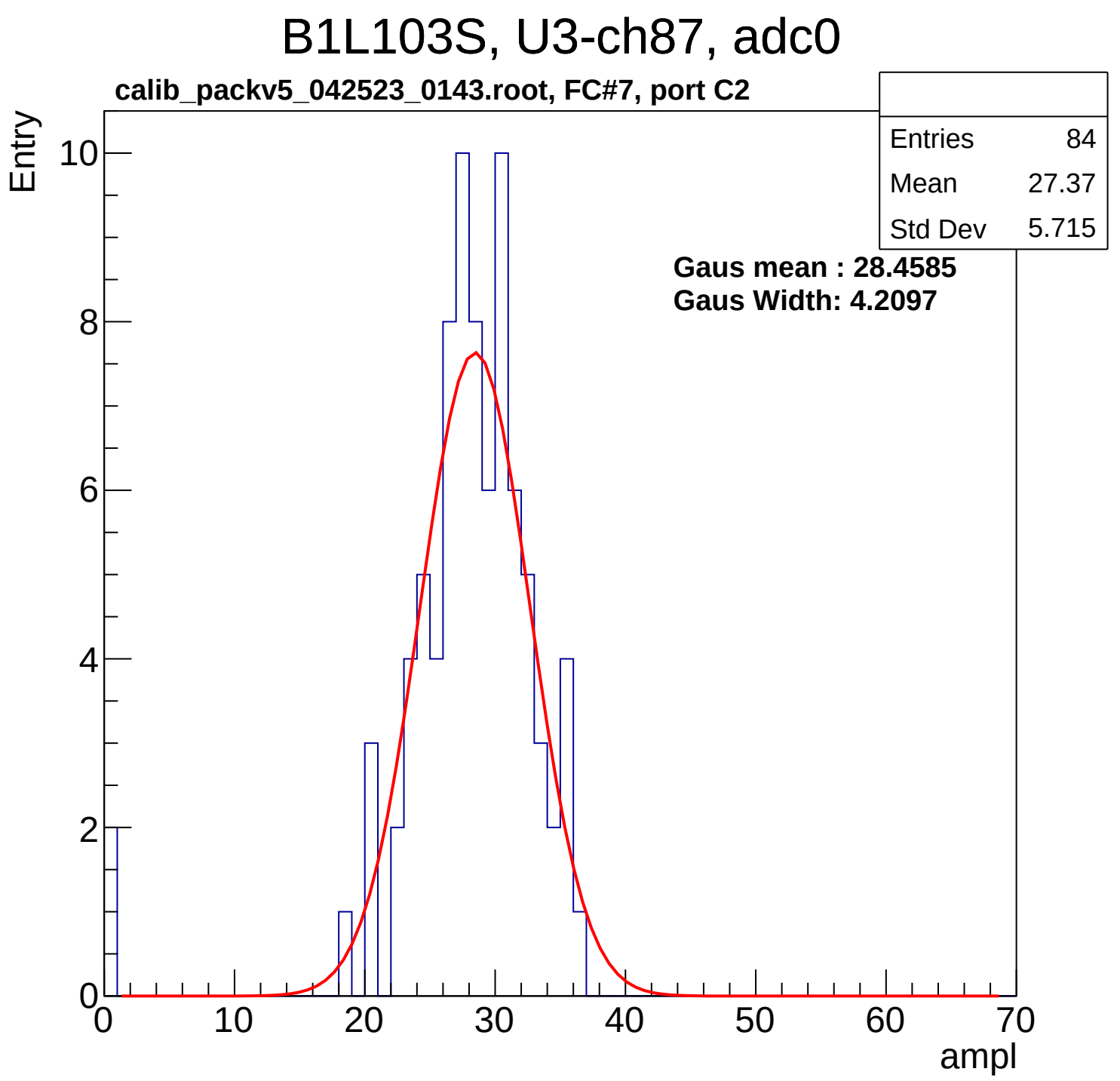

B1L103S, U3-ch86, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 19
Mean 60.84
Std Dev 2.007
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B1L103S, U3-ch86, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 24.17
Std Dev 28.27
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch87, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 27.37
Std Dev 5.715
Gaus mean : 28.4585
Gaus Width: 4.2097
Entry
ampl
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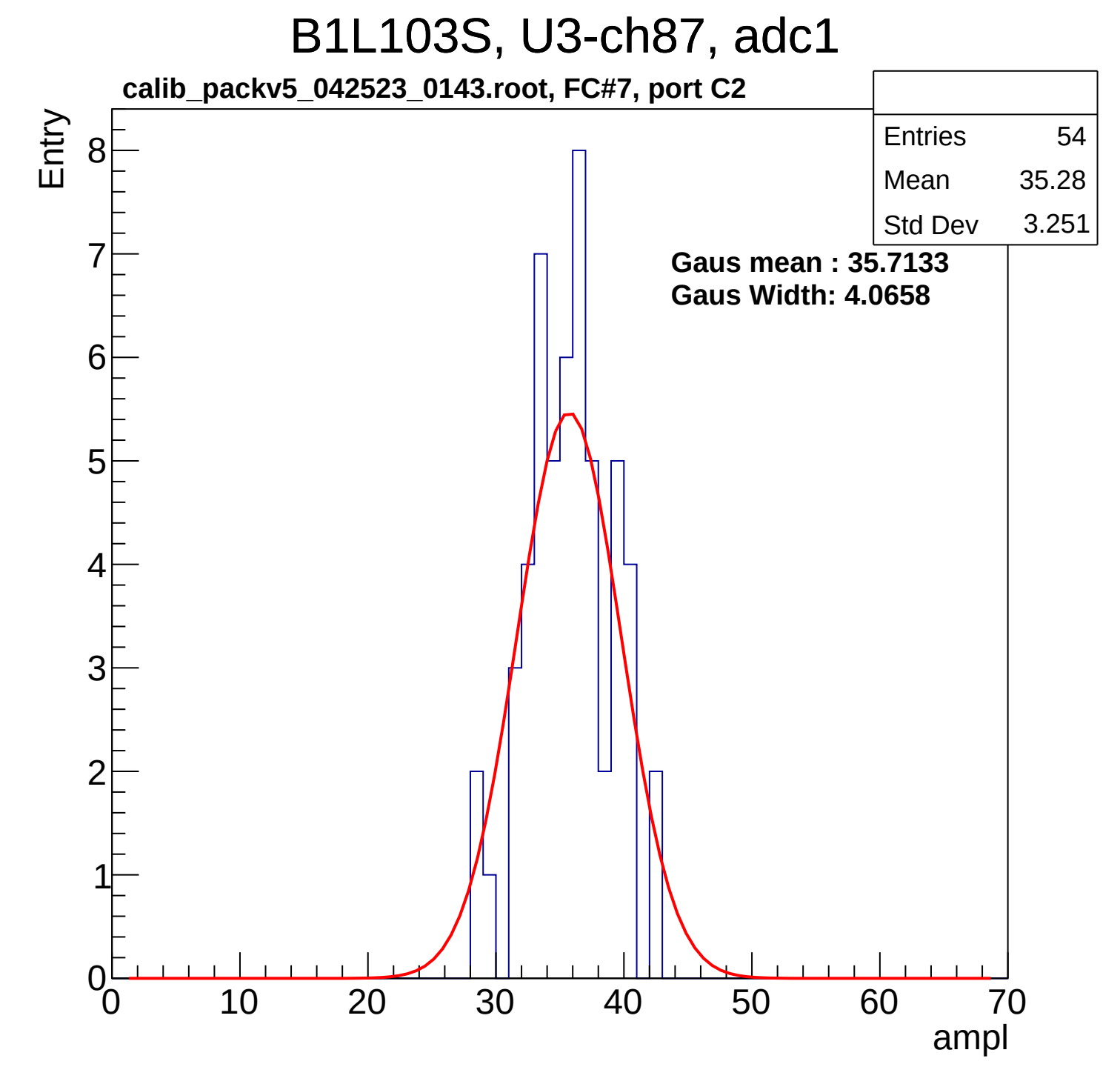
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch87, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 35.28
Std Dev 3.251
Gaus mean : 35.7133
Gaus Width: 4.0658
Entry
ampl
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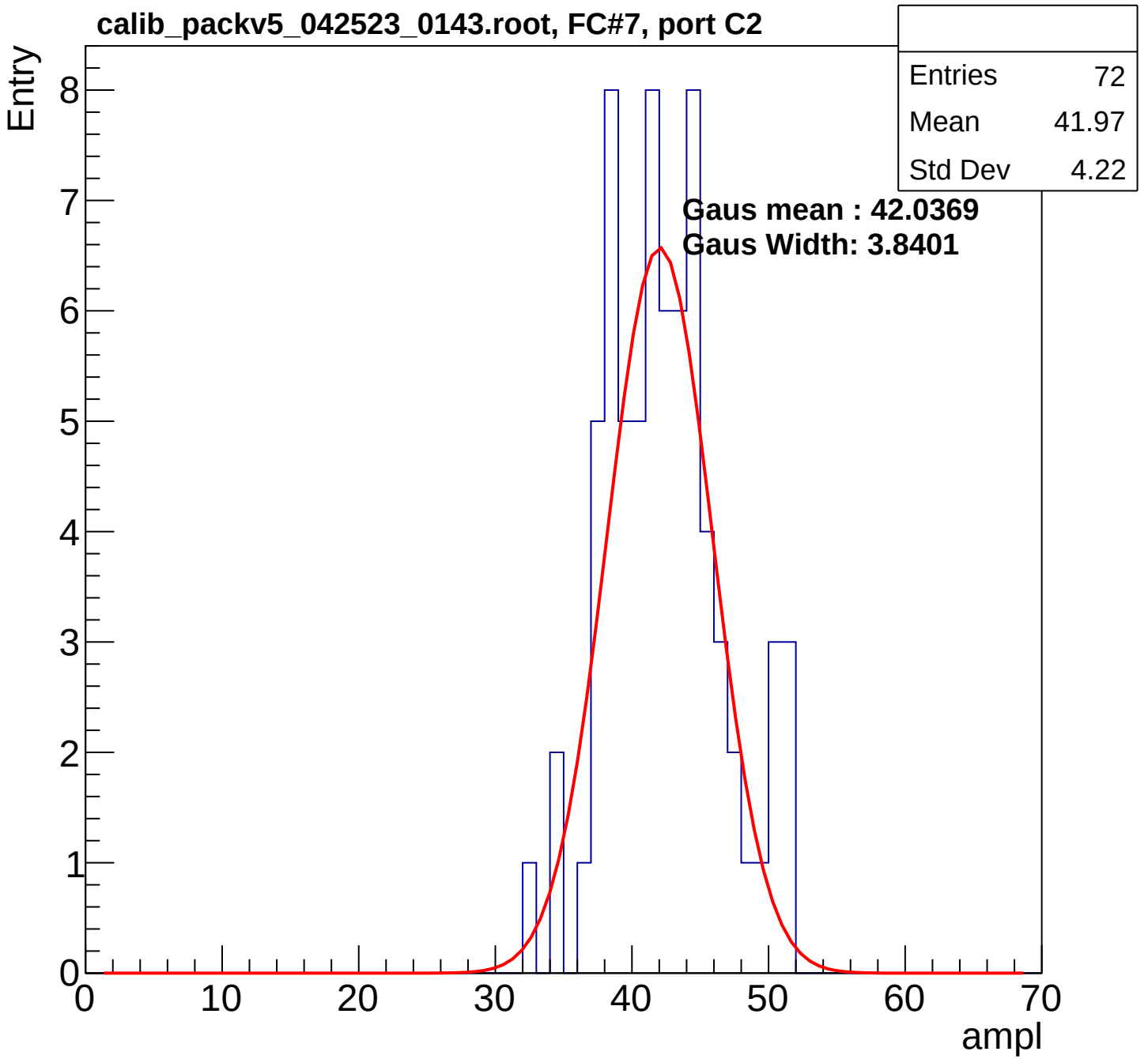
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch87, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 41.97
Std Dev 4.22
Gaus mean : 42.0369
Gaus Width: 3.8401
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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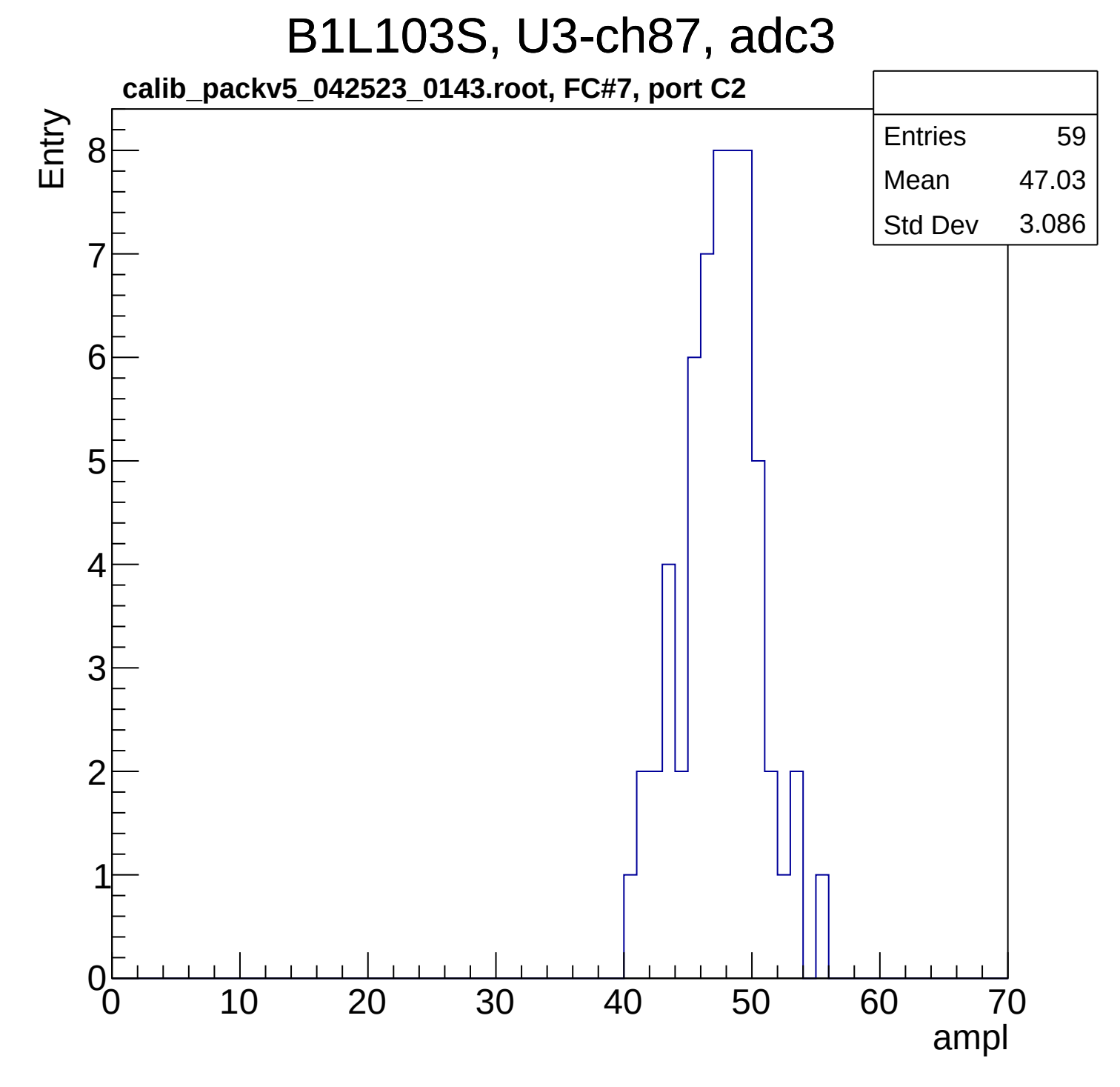
B1L103S, U3-ch87, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 47.03
Std Dev 3.086
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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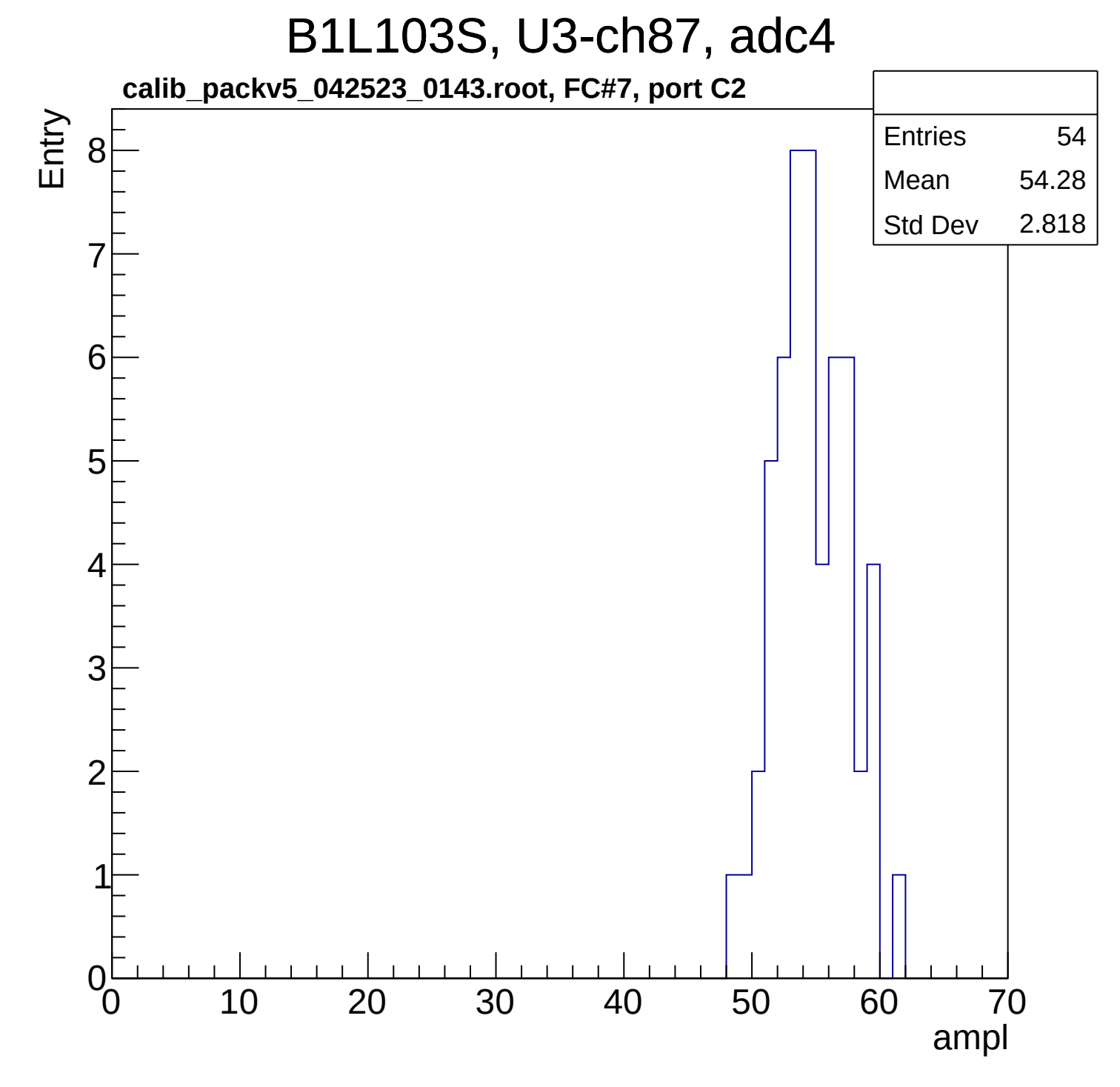
60
70


B1L103S, U3-ch87, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 54.28
Std Dev 2.818
Entry
ampl
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4
5
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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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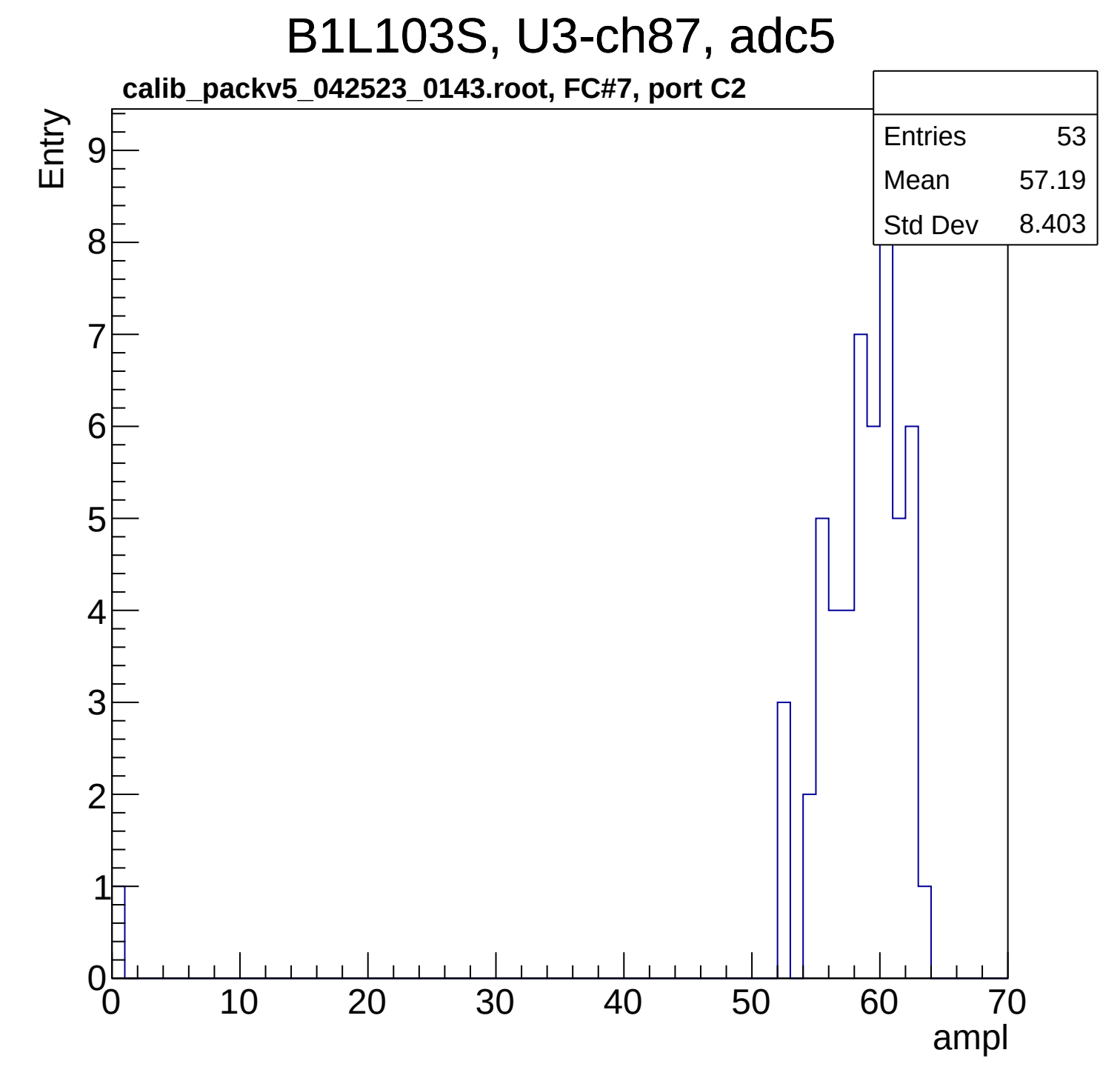
B1L103S, U3-ch87, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 57.19
Std Dev 8.403
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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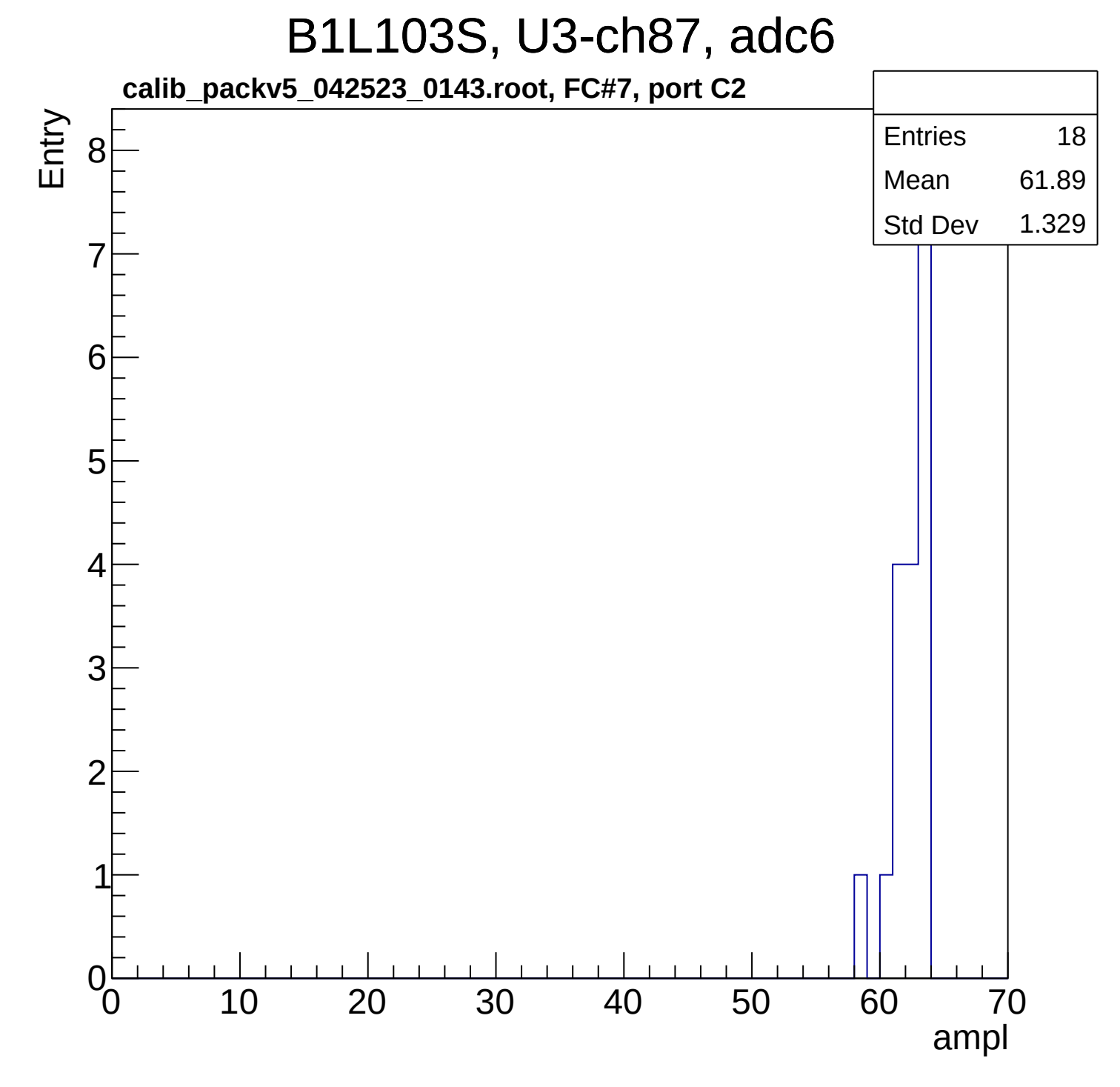
B1L103S, U3-ch87, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 61.89
Std Dev 1.329
Entry
ampl
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2
3
4
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0
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60
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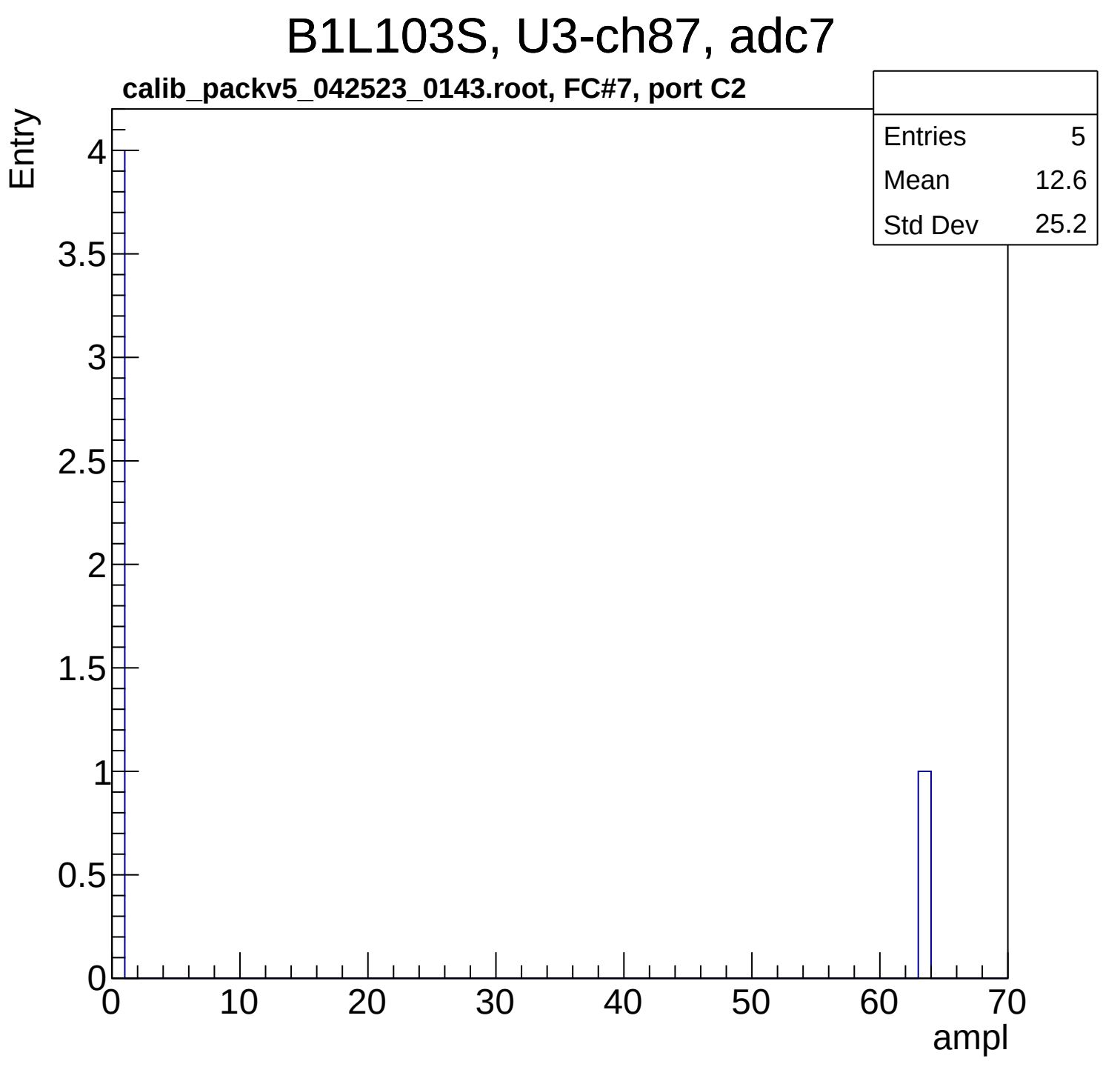
B1L103S, U3-ch87, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 12.6
Std Dev 25.2
Entry
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0.5
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2.5
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3.5
4
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10
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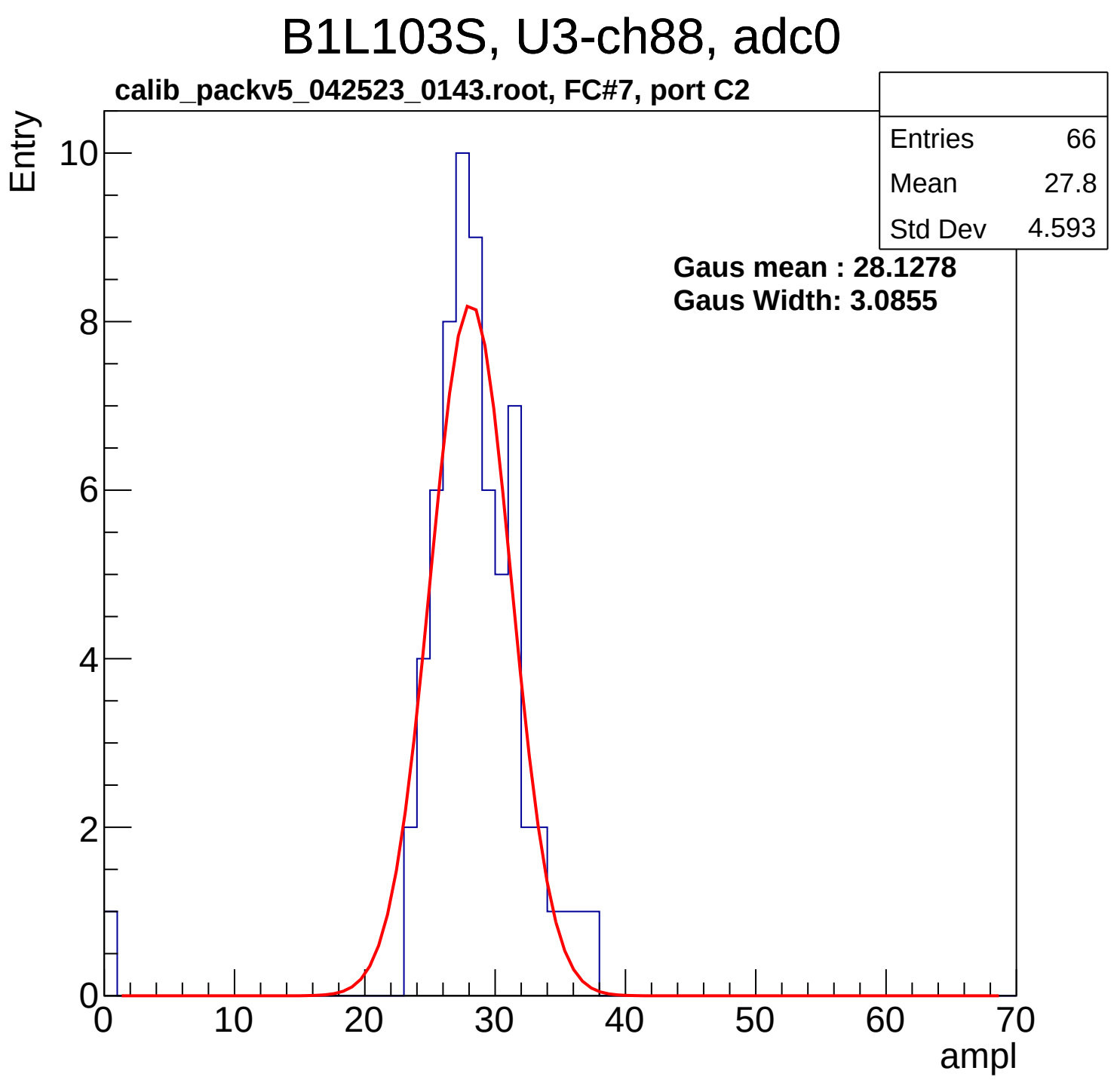
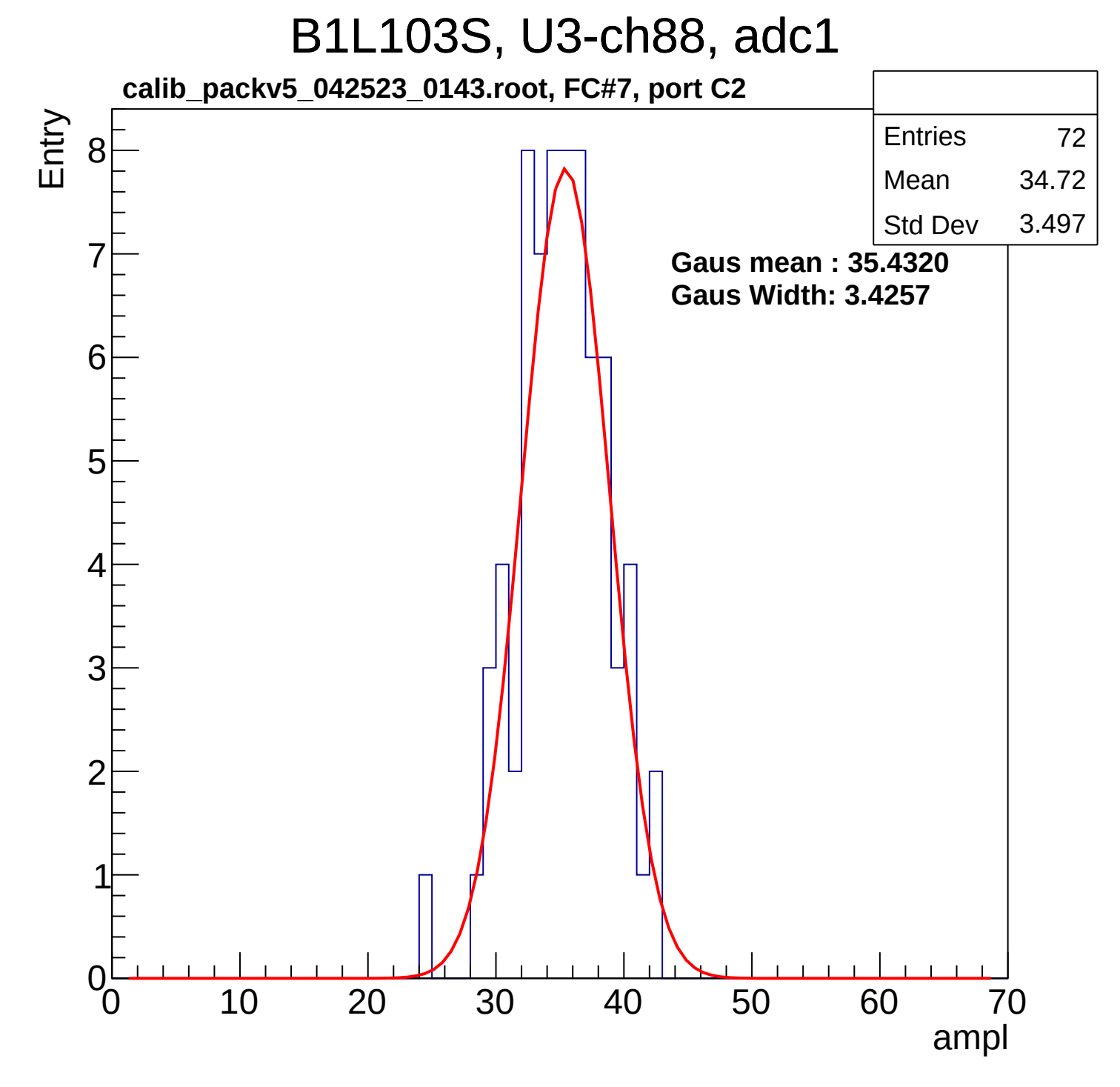
50
60
70
ampl


B1L103S, U3-ch88, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 27.8
Std Dev 4.593
Gaus mean : 28.1278
Gaus Width: 3.0855
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch88, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 34.72
Std Dev 3.497
Gaus mean : 35.4320
Gaus Width: 3.4257
Entry
ampl
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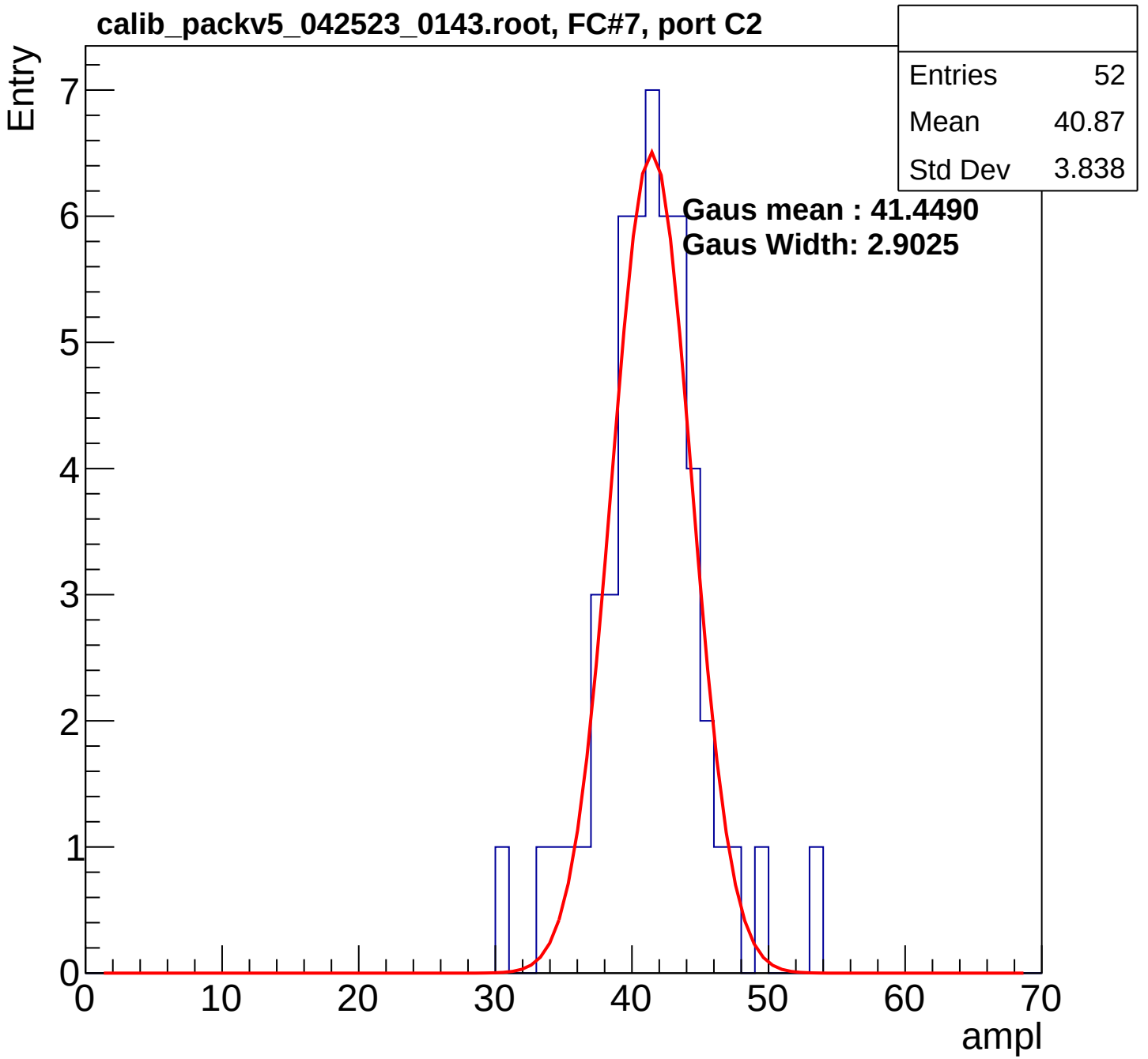
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch88, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 40.87
Std Dev 3.838
Gaus mean : 41.4490
Gaus Width: 2.9025
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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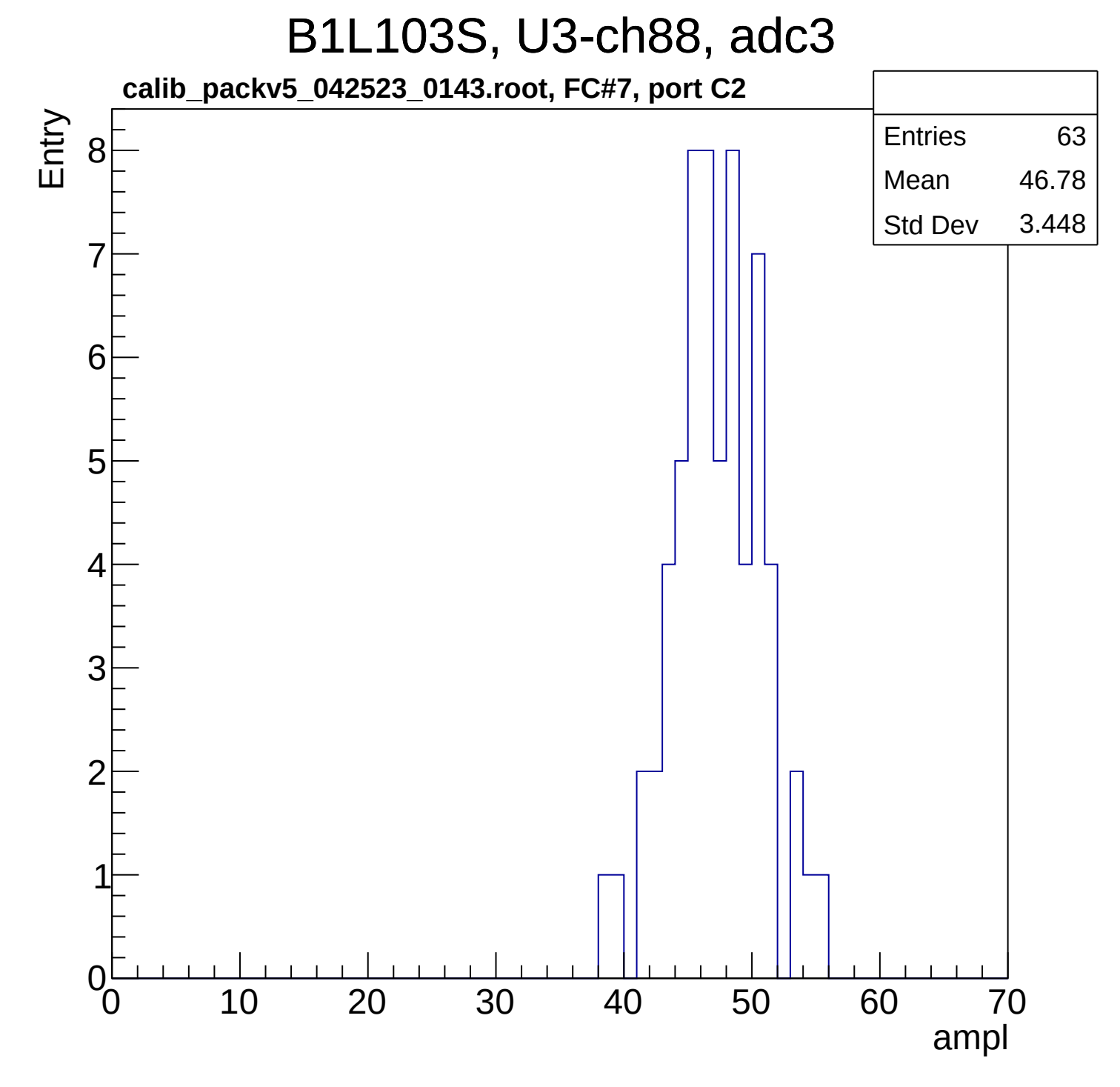
B1L103S, U3-ch88, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 46.78
Std Dev 3.448
Entry
ampl
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2
3
4
5
6
7
8
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40
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60
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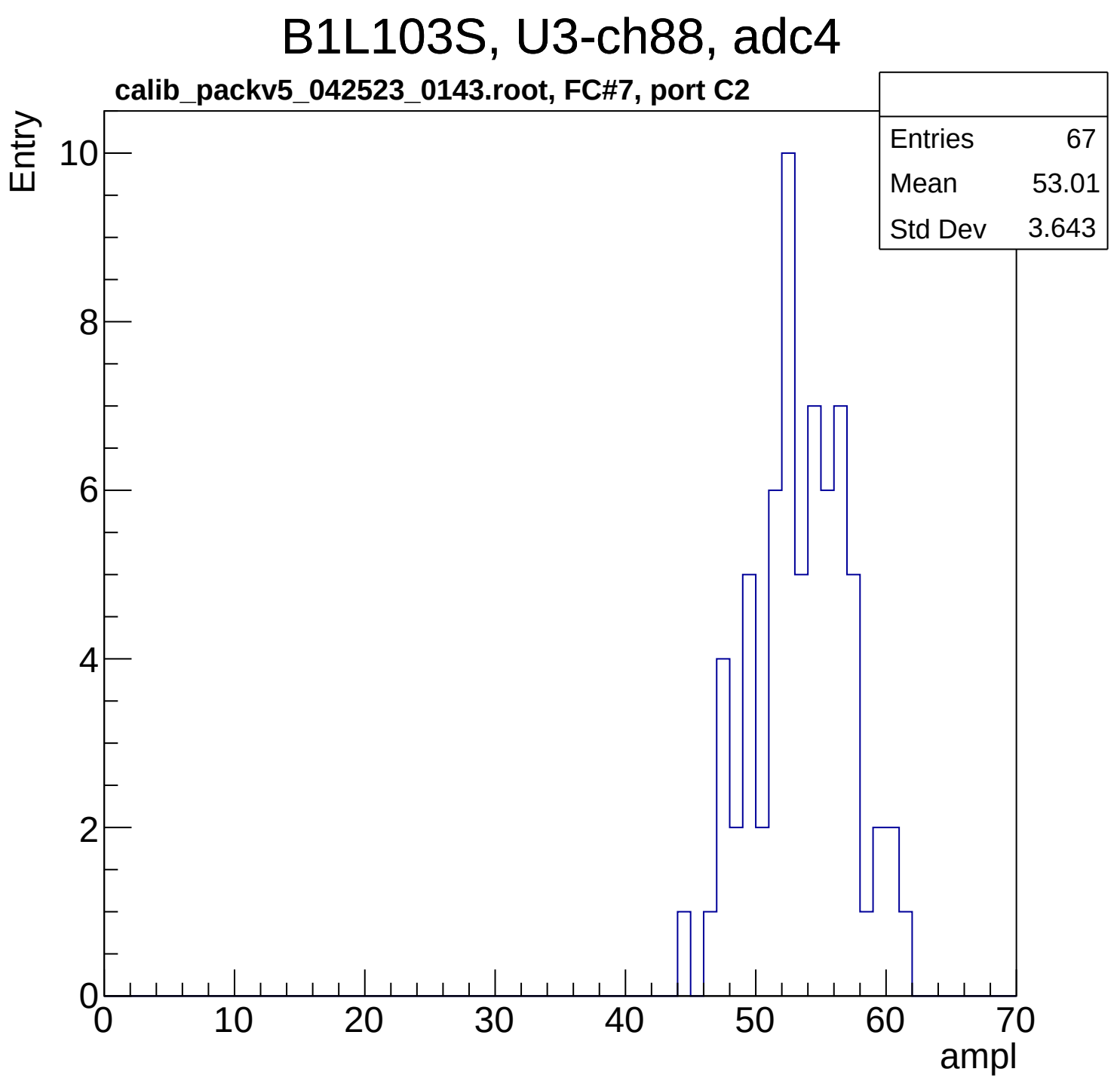
B1L103S, U3-ch88, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 53.01
Std Dev 3.643
Entry
ampl
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4
6
8
10
0
10
20
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40
50
60
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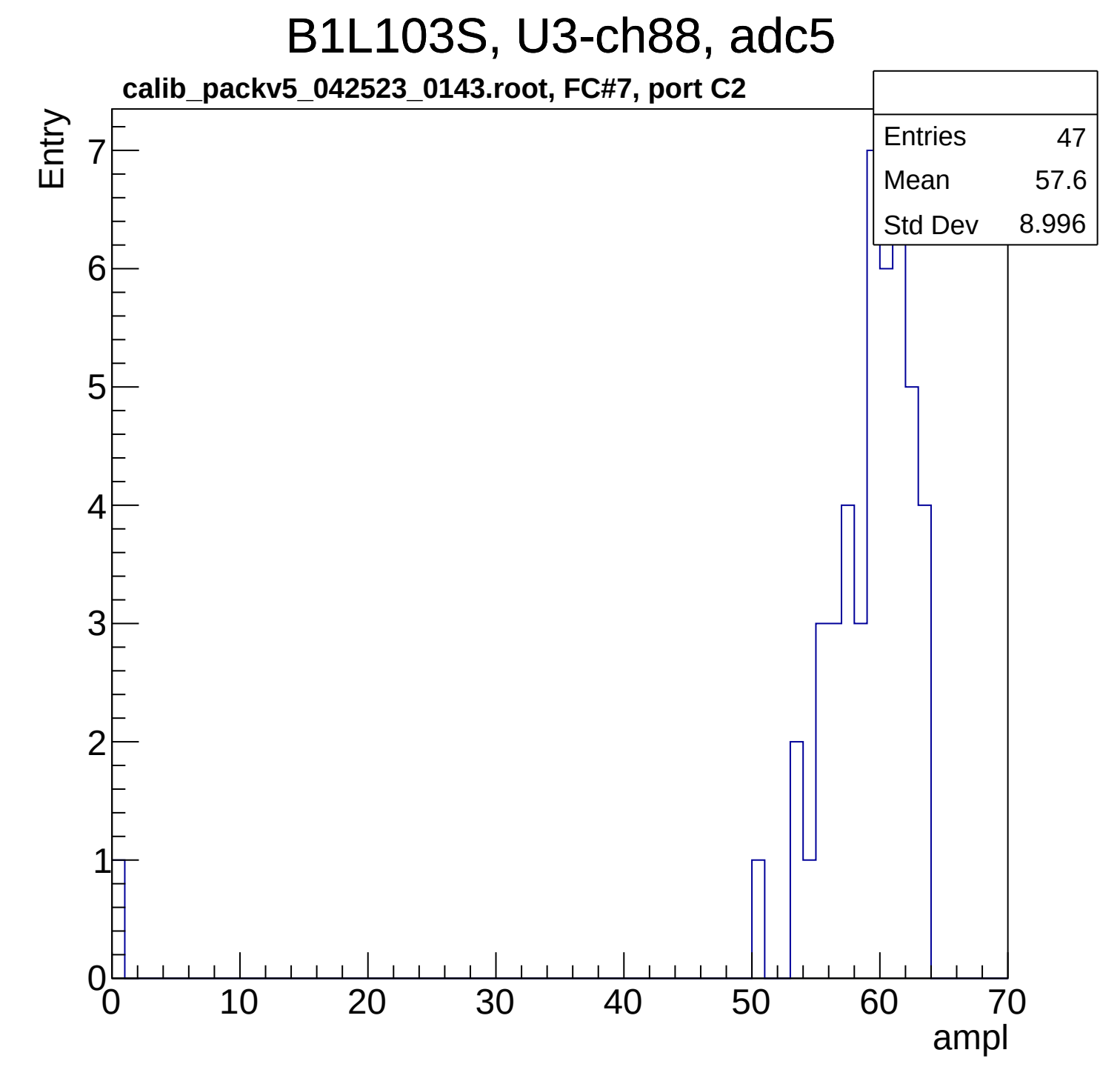
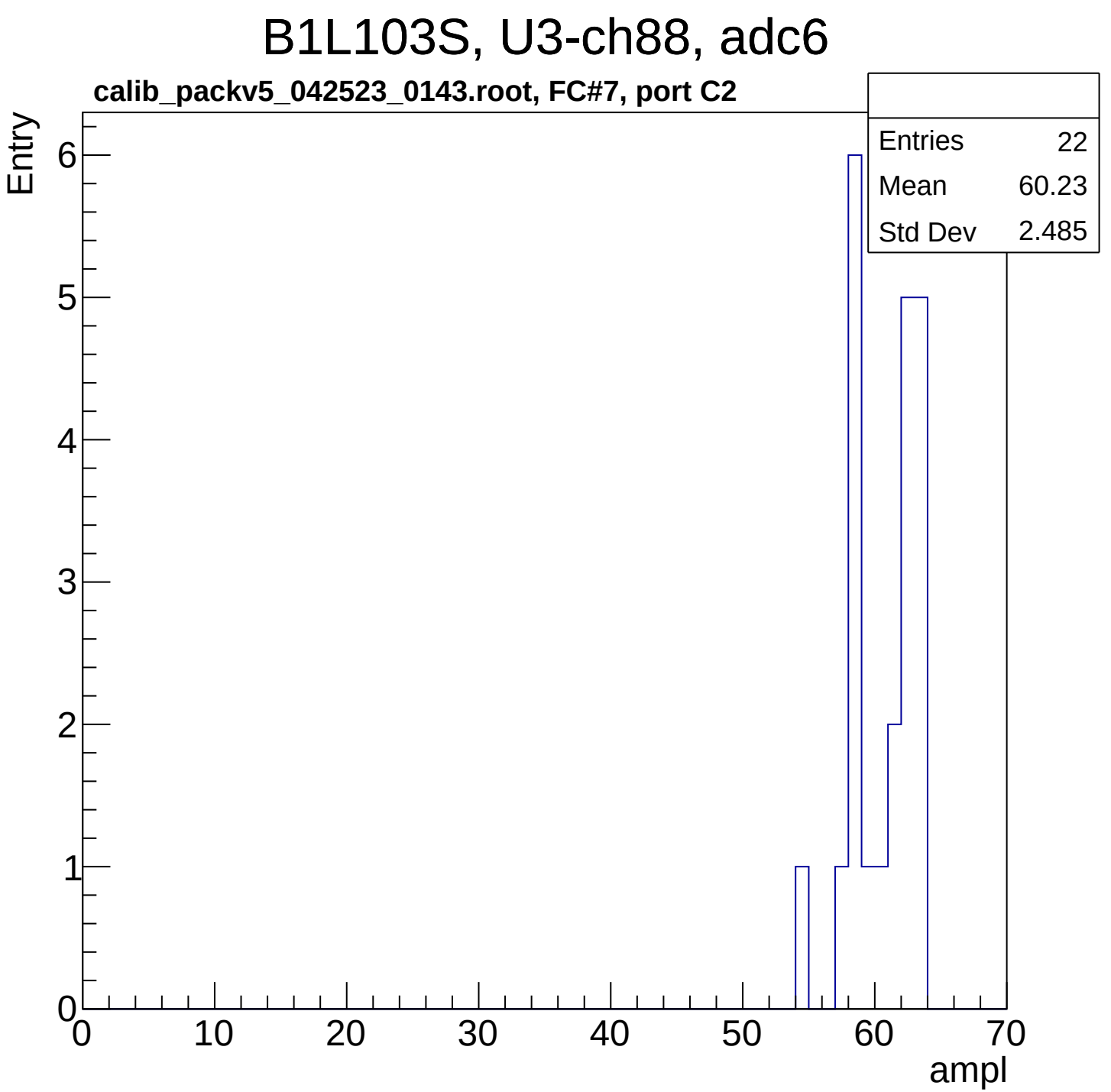

B1L103S, U3-ch88, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 57.6
Std Dev 8.996
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch88, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 22
Mean 60.23
Std Dev 2.485
Entry
0
1
2
3
4
5
6
0
10
20
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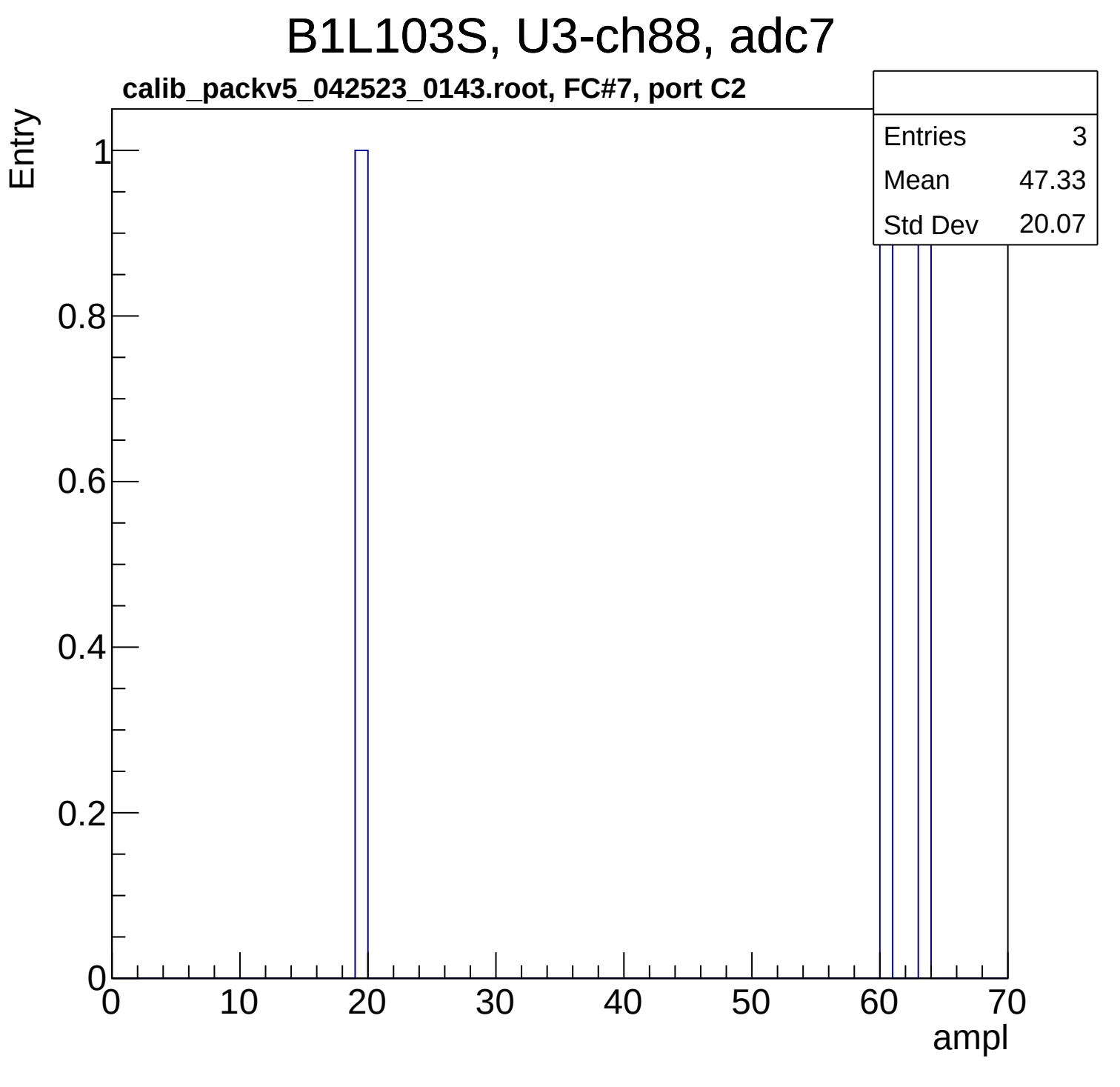
60
70
ampl


B1L103S, U3-ch88, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 47.33
Std Dev 20.07
Entry
ampl
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0.2
0.4
0.6
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1
0
10
20
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40
50
60
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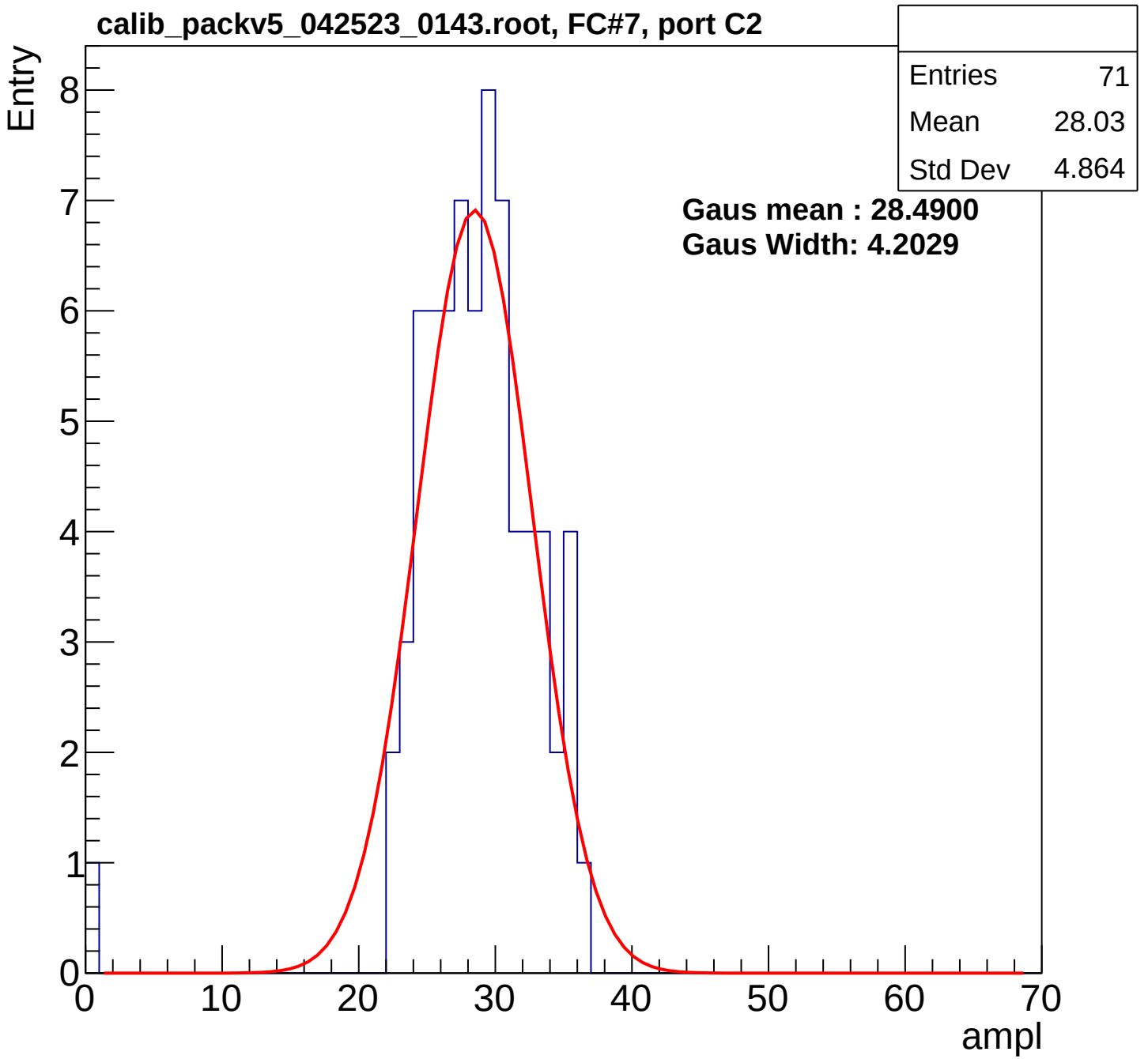
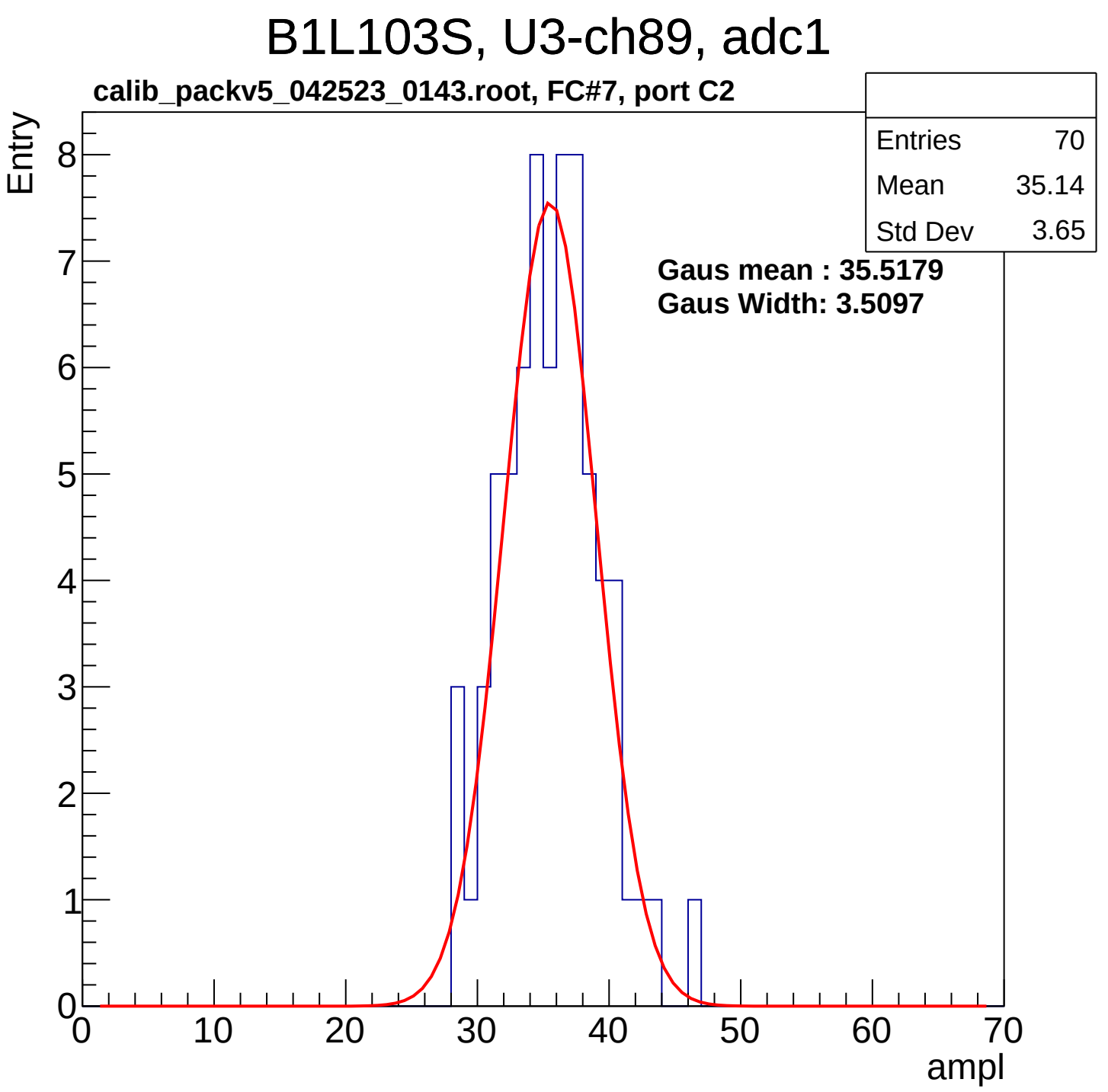
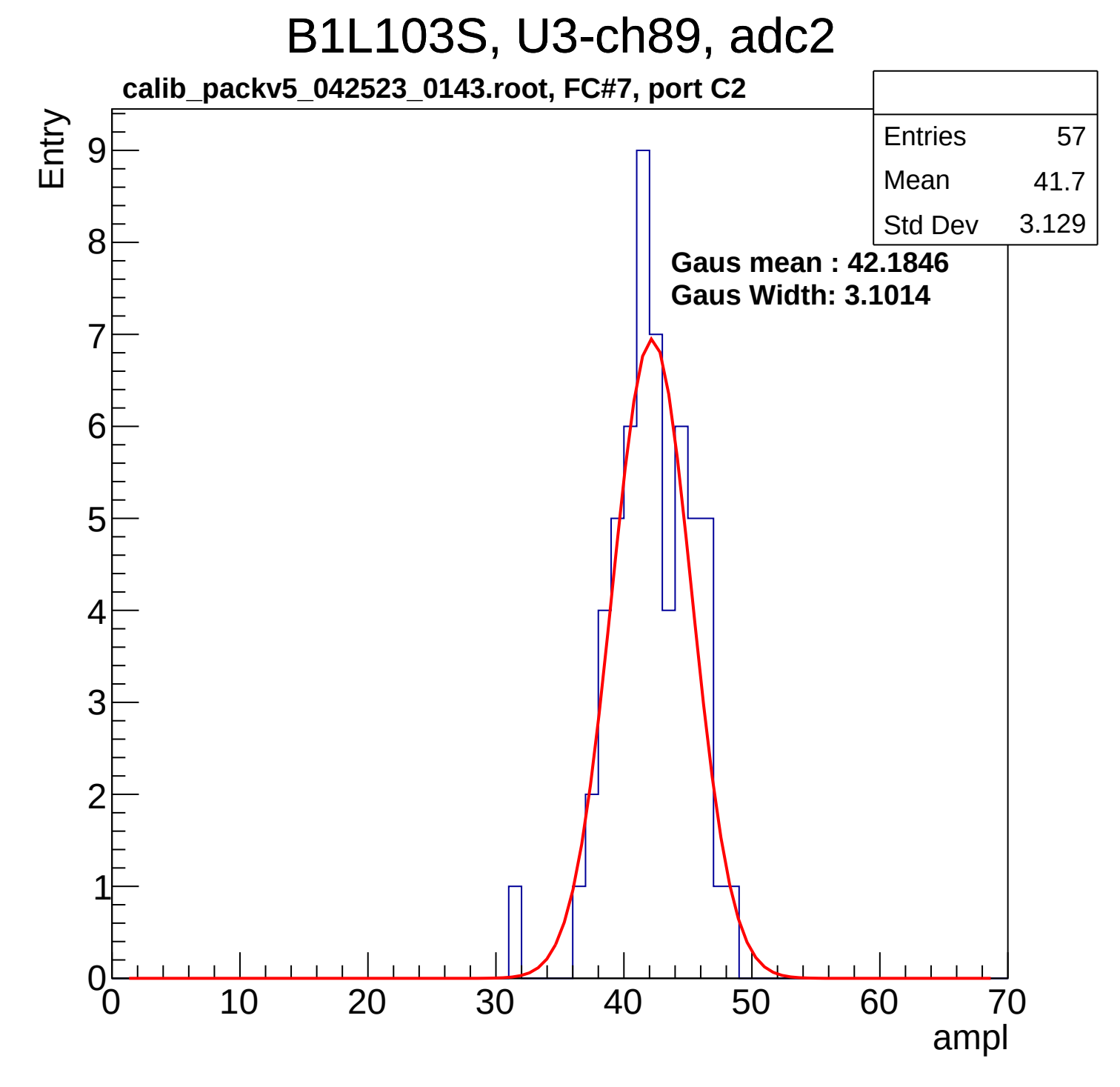

B1L103S, U3-ch89, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 28.03
Std Dev 4.864
Gaus mean : 28.4900
Gaus Width: 4.2029
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch89, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 35.14
Std Dev 3.65
Gaus mean : 35.5179
Gaus Width: 3.5097
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch89, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 41.7
Std Dev 3.129
Gaus mean : 42.1846
Gaus Width: 3.1014
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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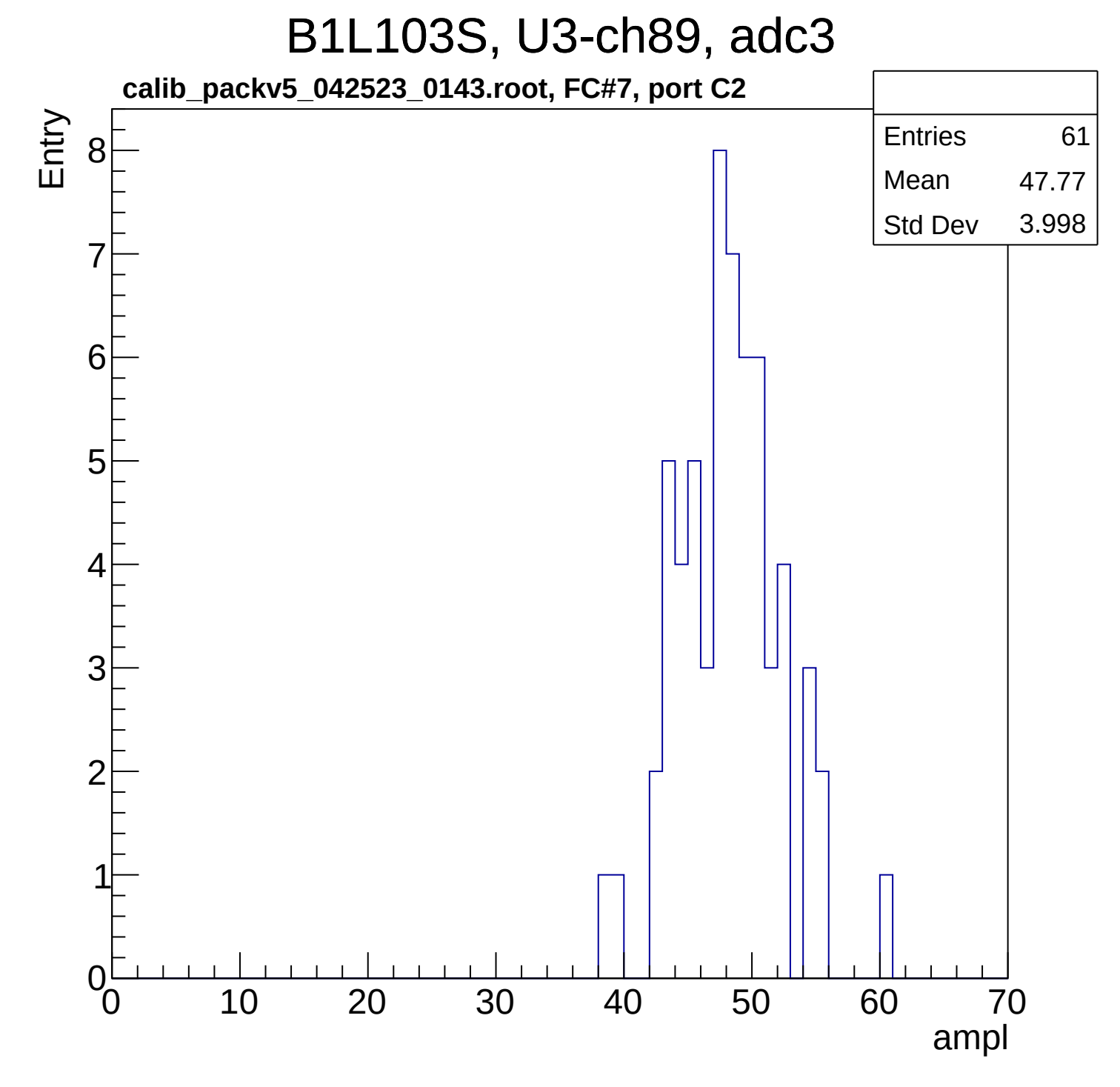
B1L103S, U3-ch89, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 47.77
Std Dev 3.998
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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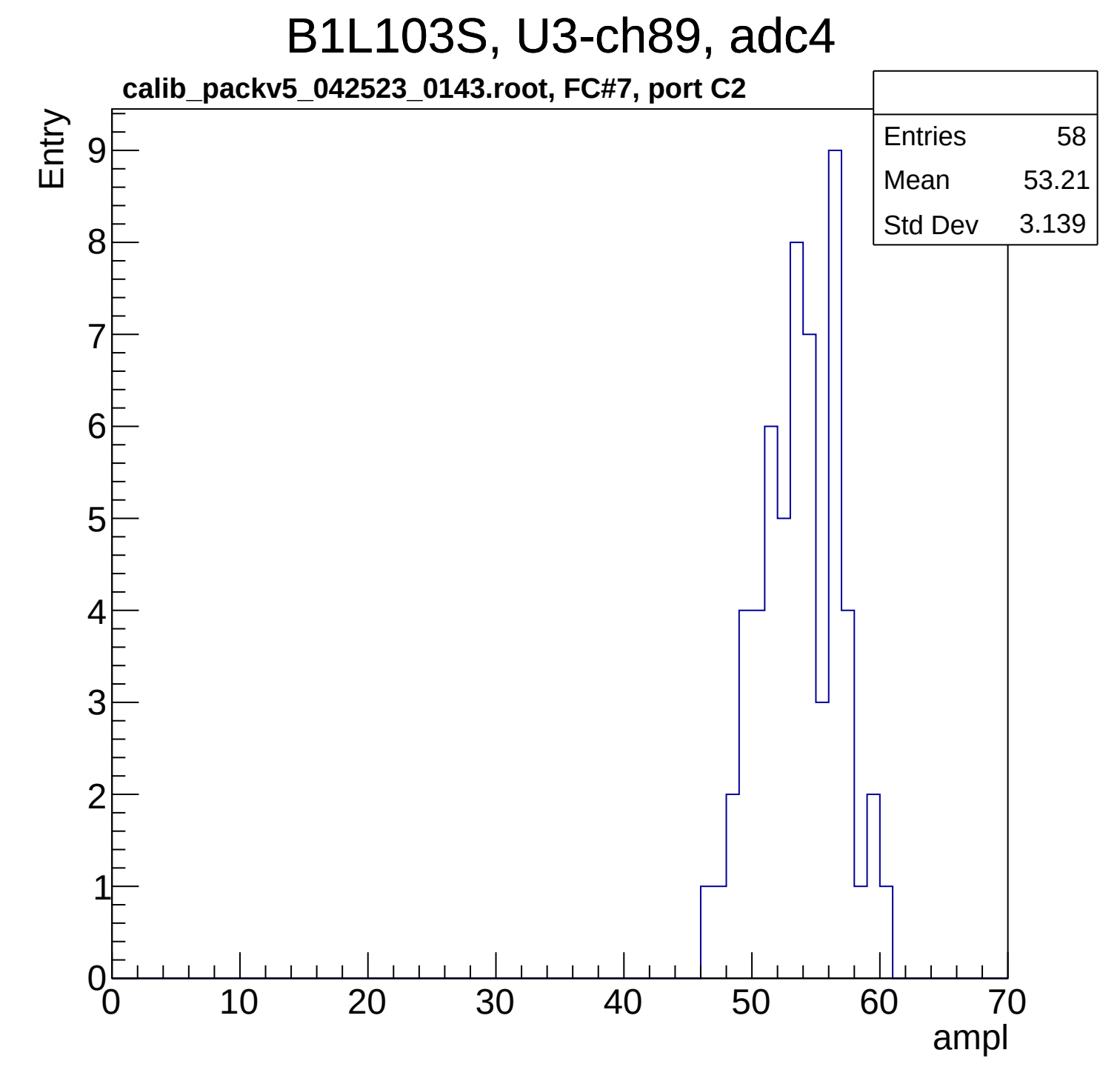
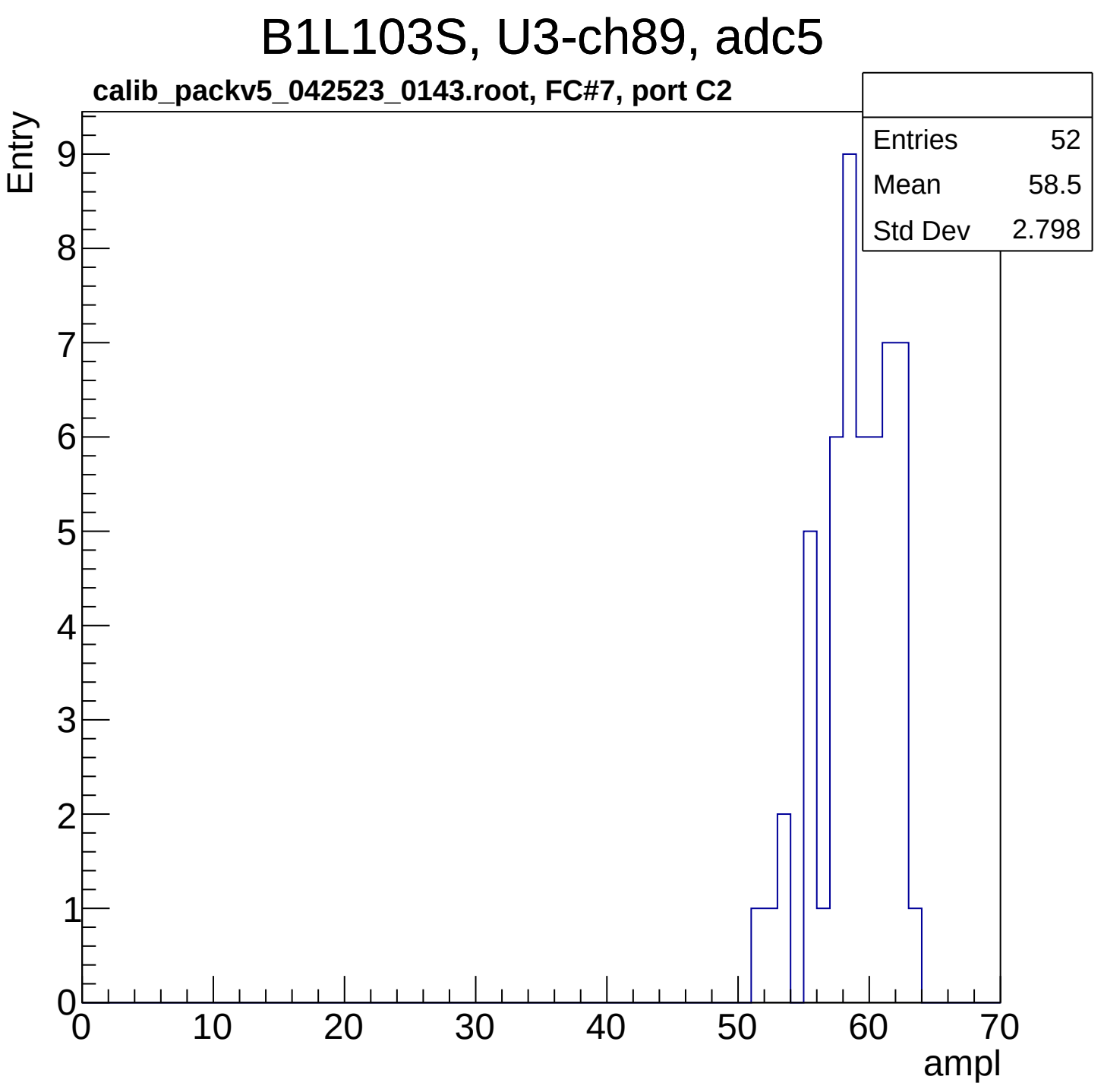

B1L103S, U3-ch89, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 53.21
Std Dev 3.139
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch89, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 58.5
Std Dev 2.798
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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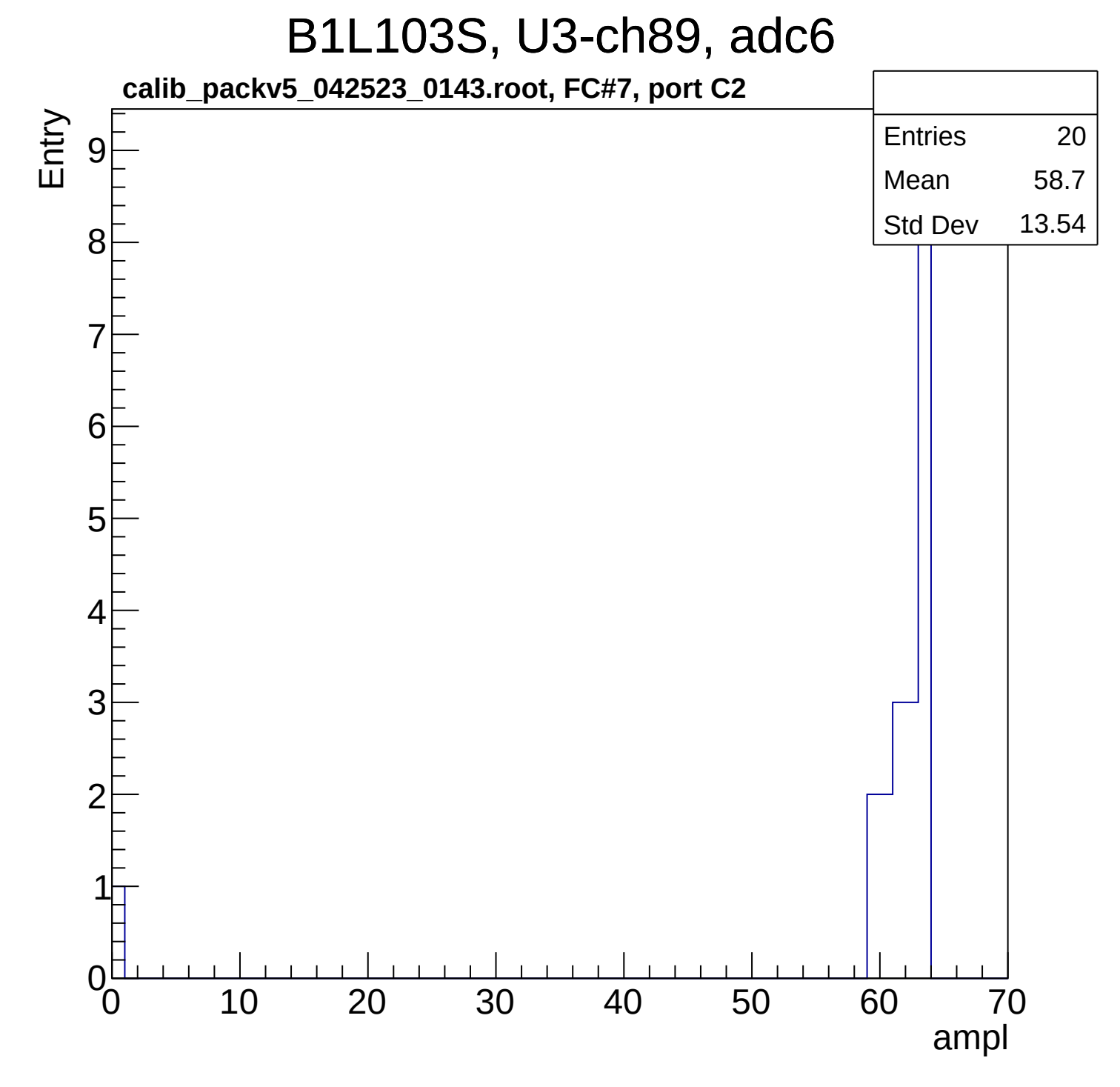
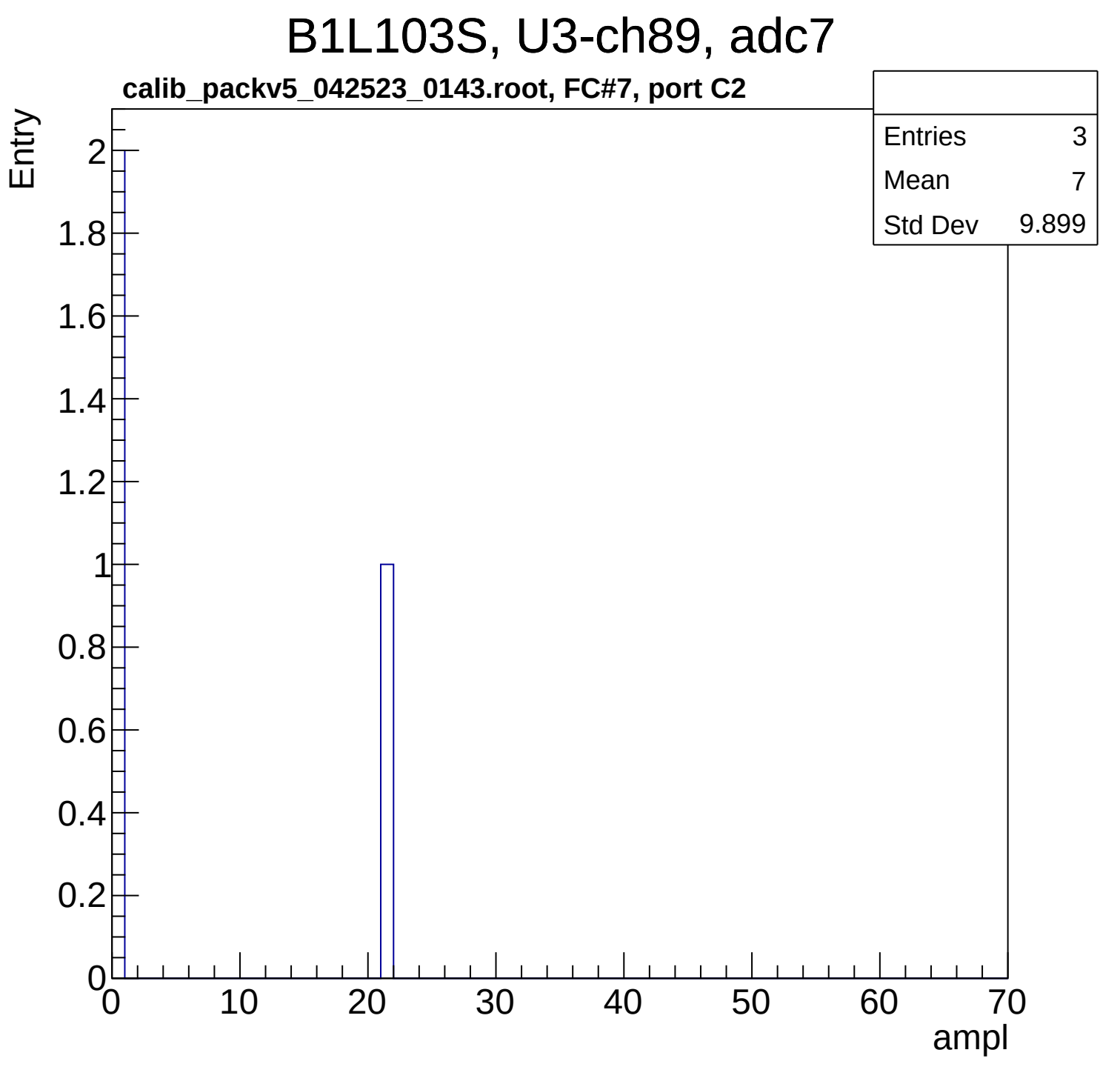
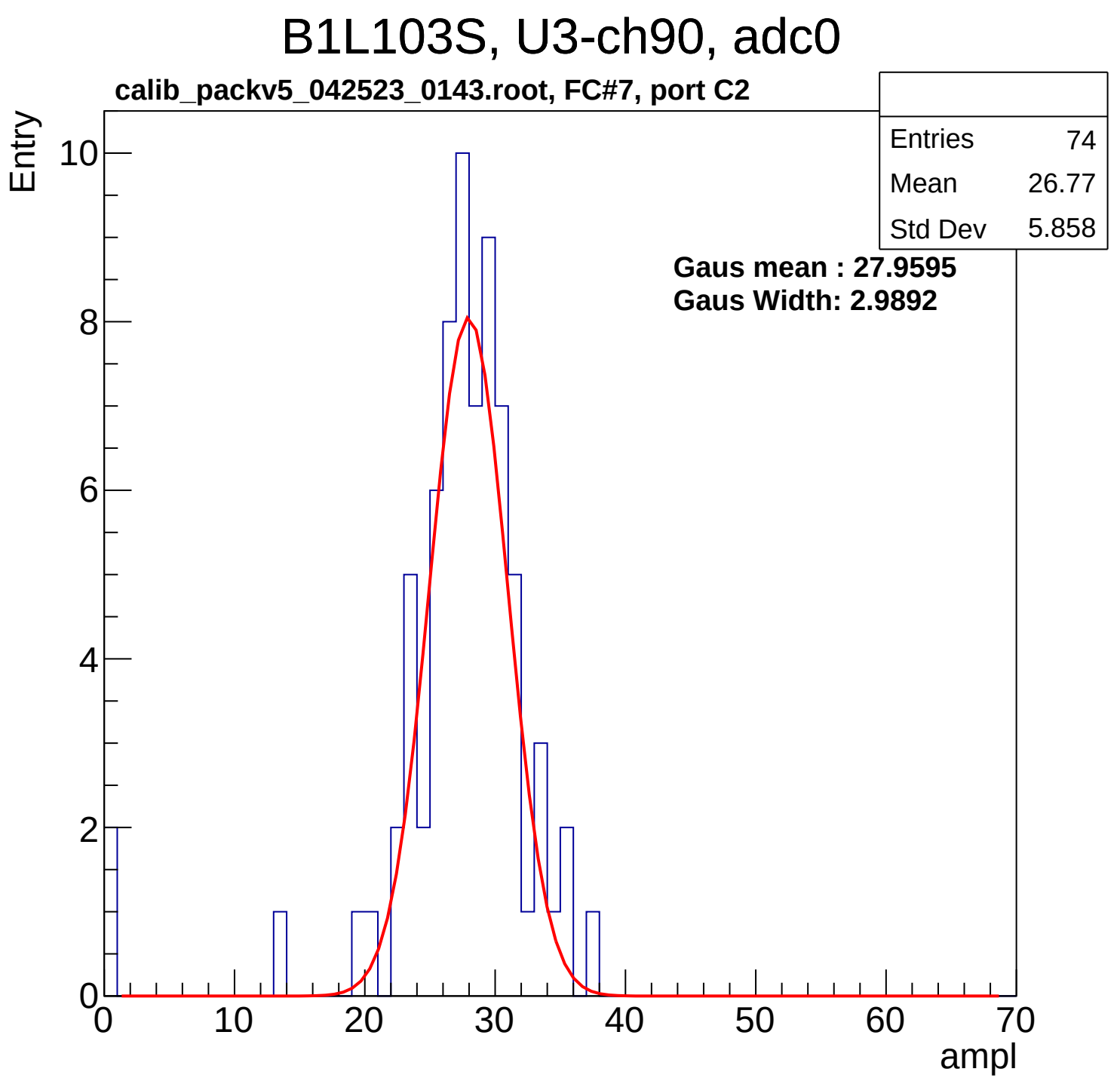
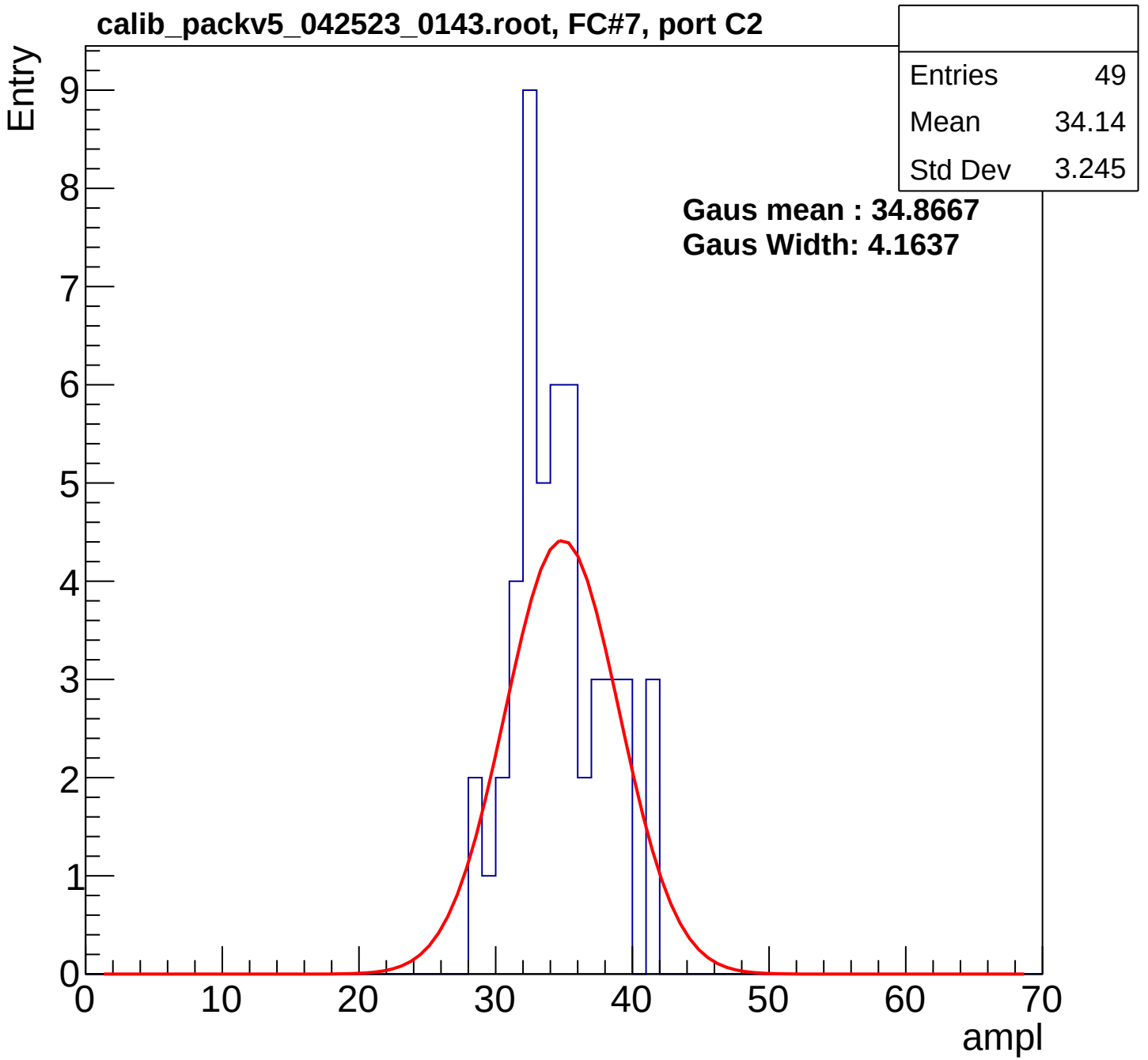

B1L103S, U3-ch89, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 20
Mean 58.7
Std Dev 13.54
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch89, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 7
Std Dev 9.899
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


B1L103S, U3-ch90, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 74
Mean 26.77
Std Dev 5.858
Gaus mean : 27.9595
Gaus Width: 2.9892
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch90, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 34.14
Std Dev 3.245
Gaus mean : 34.8667
Gaus Width: 4.1637
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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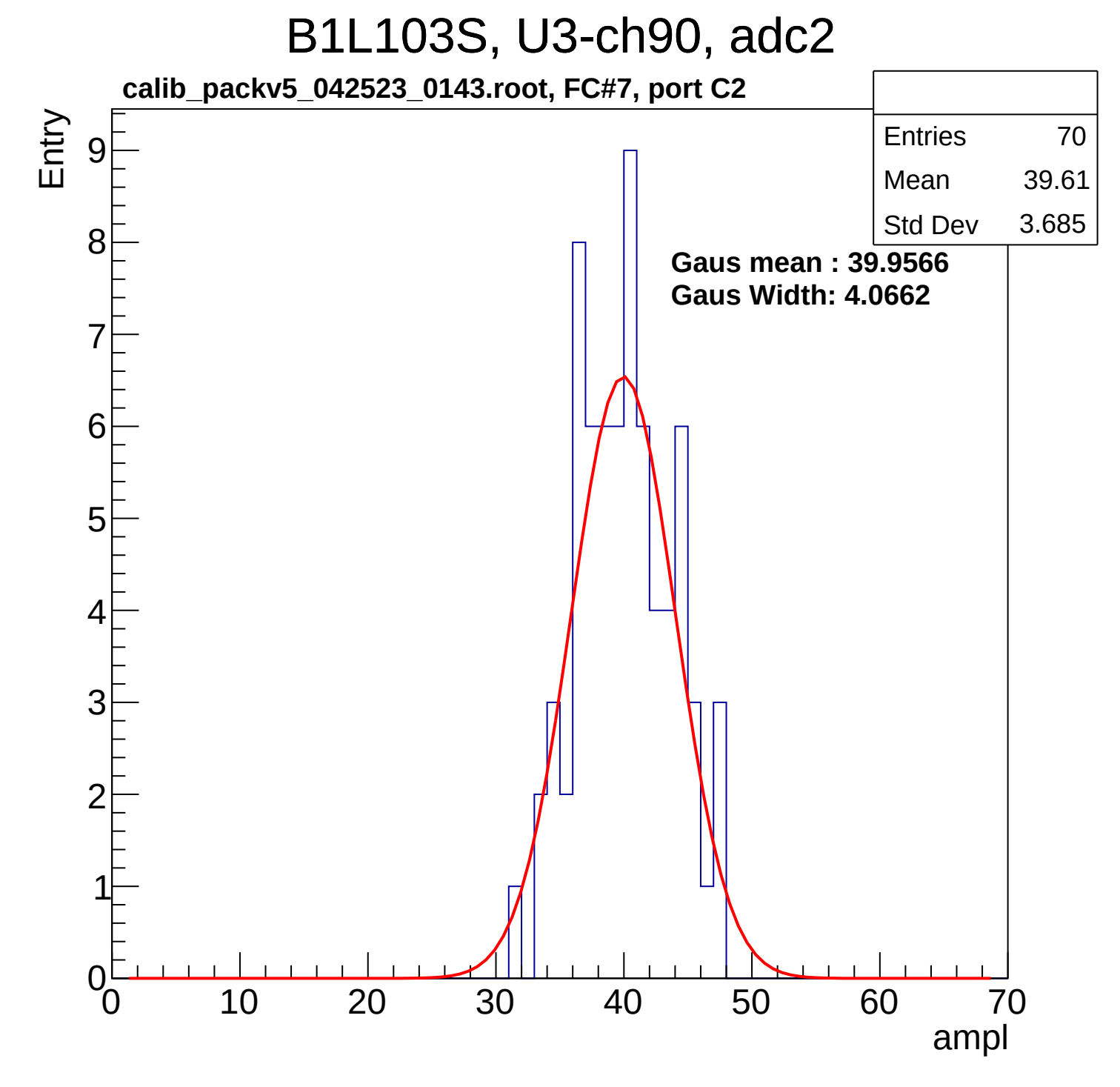
B1L103S, U3-ch90, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 39.61
Std Dev 3.685
Gaus mean : 39.9566
Gaus Width: 4.0662
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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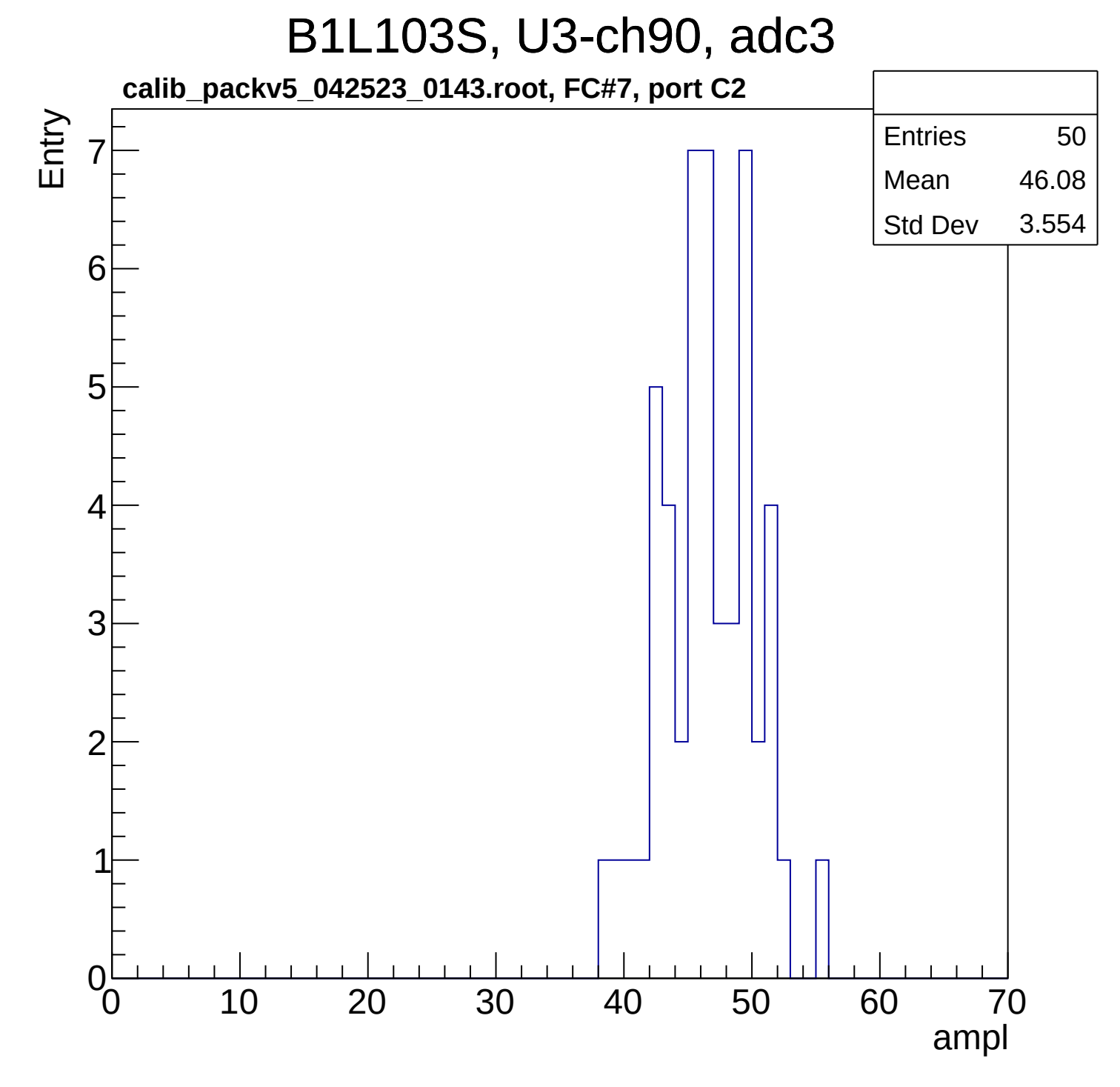
B1L103S, U3-ch90, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 46.08
Std Dev 3.554
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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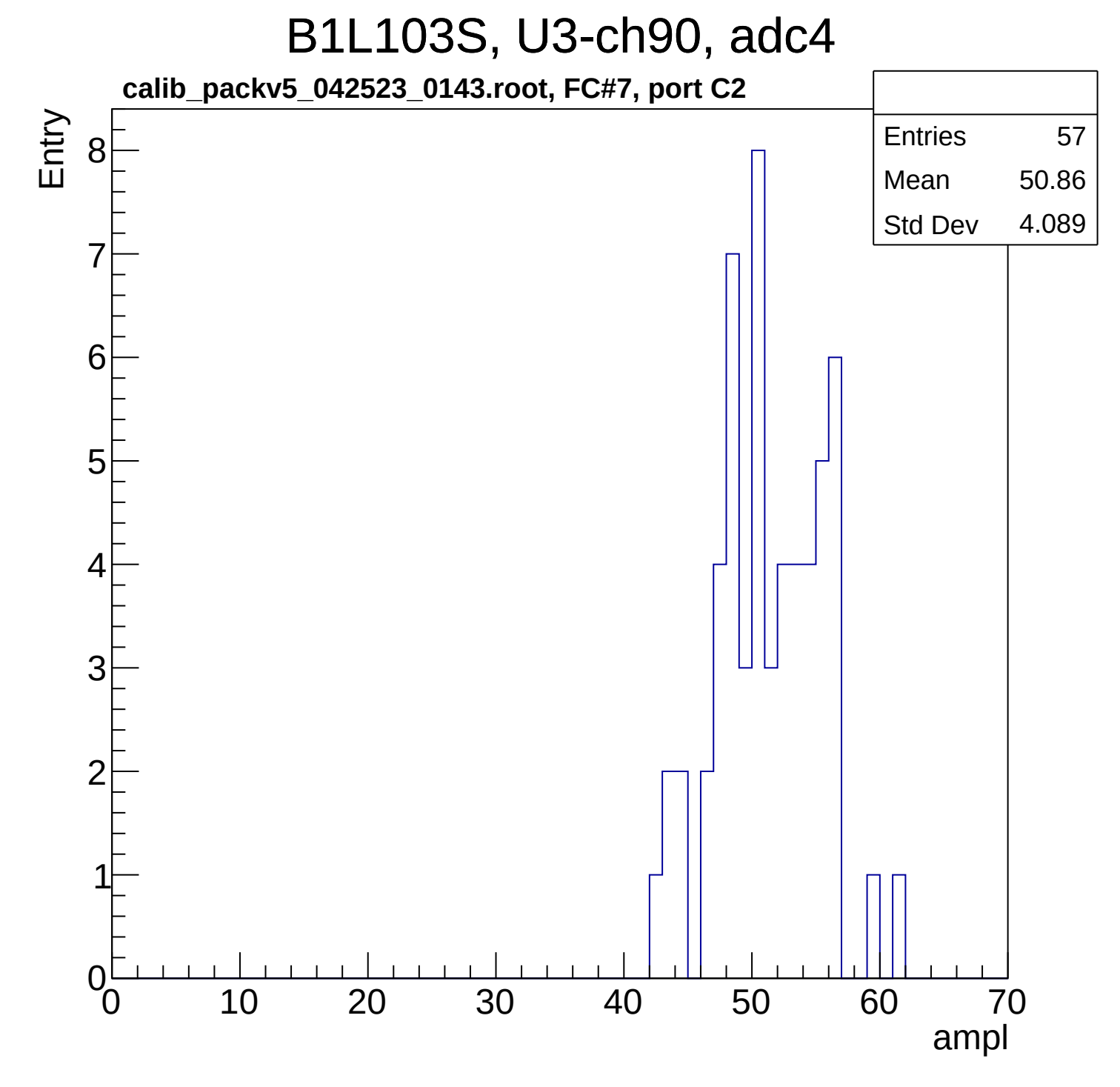
B1L103S, U3-ch90, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 50.86
Std Dev 4.089
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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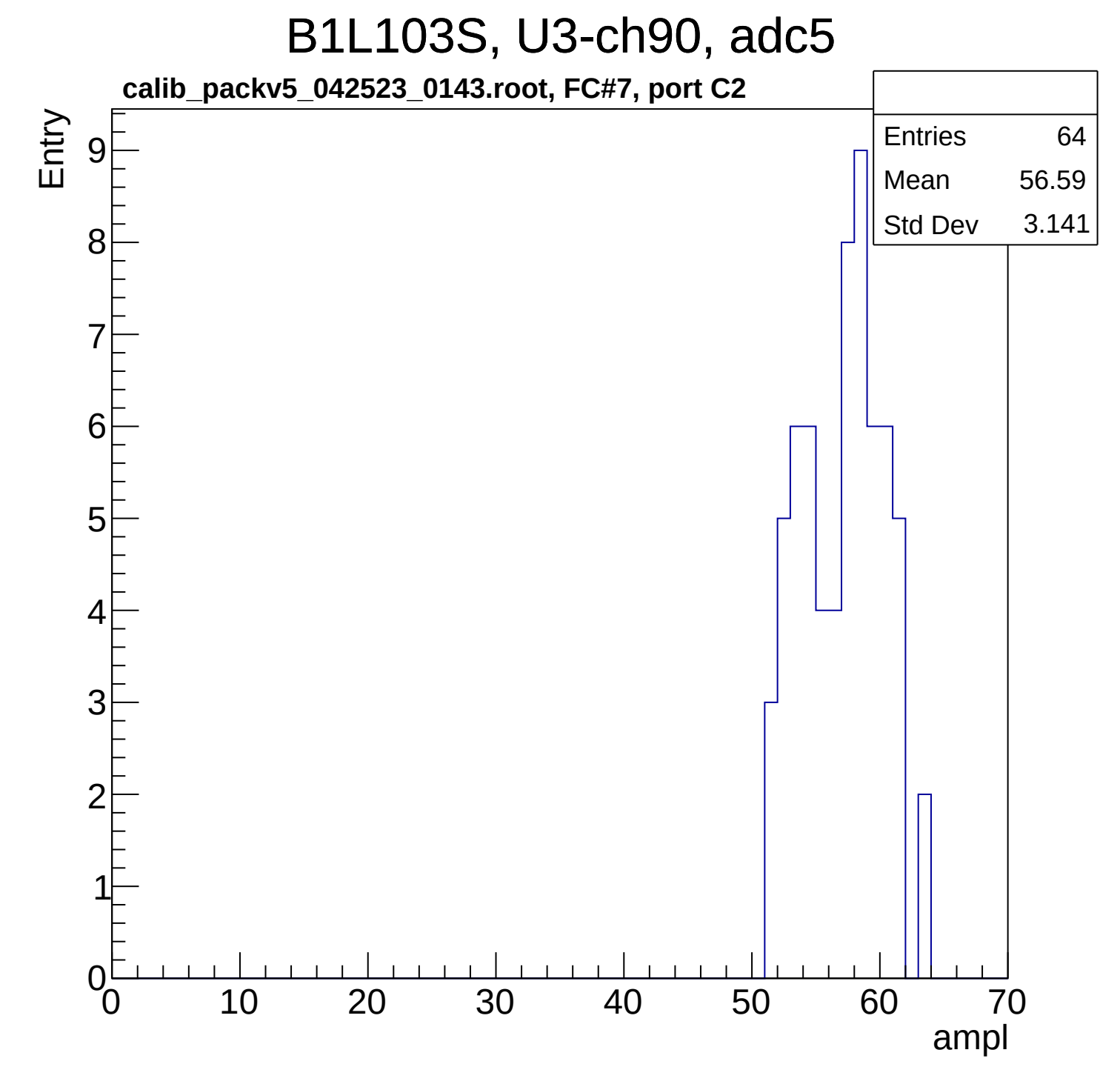
B1L103S, U3-ch90, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 56.59
Std Dev 3.141
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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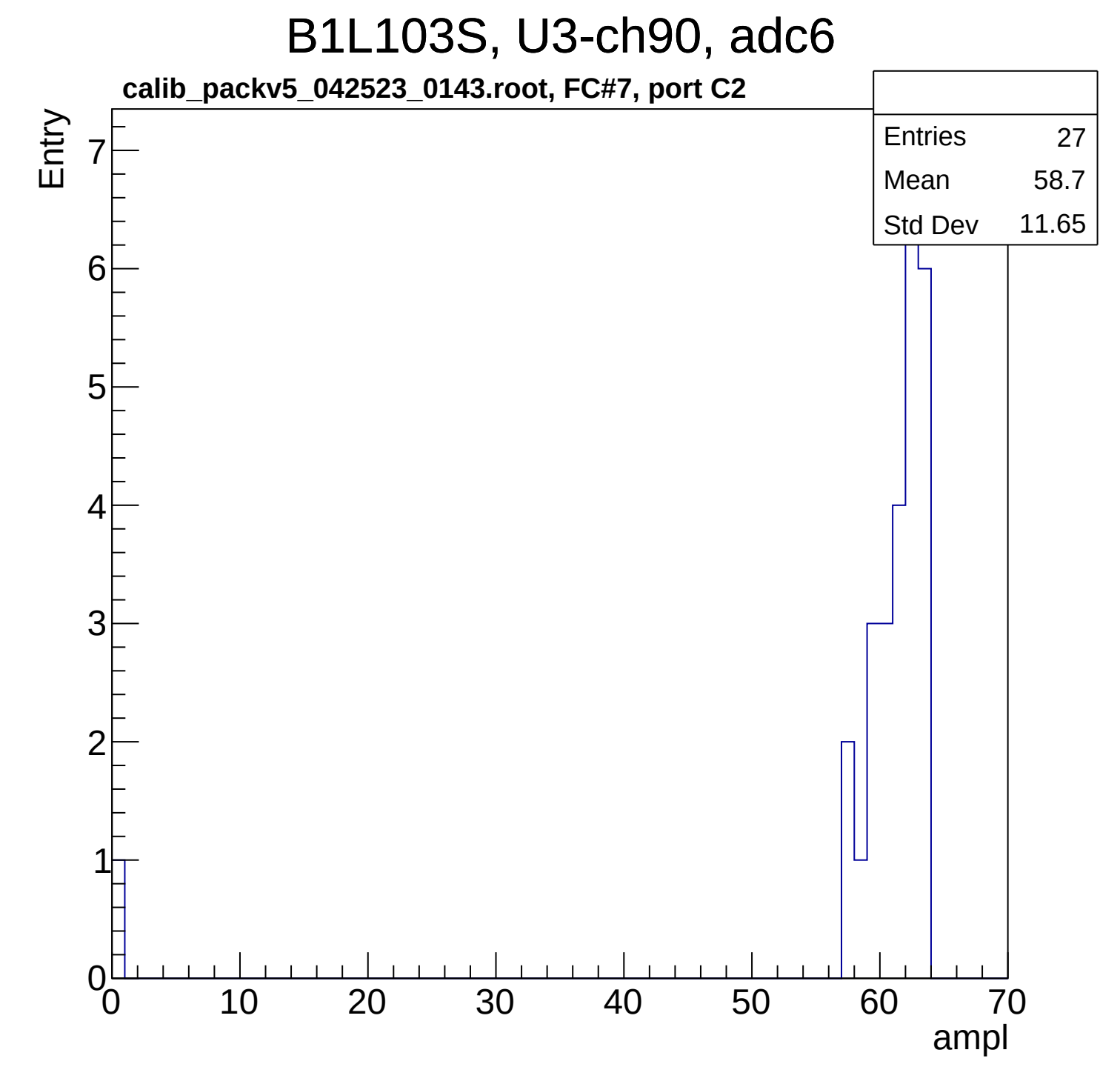
B1L103S, U3-ch90, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 27
Mean 58.7
Std Dev 11.65
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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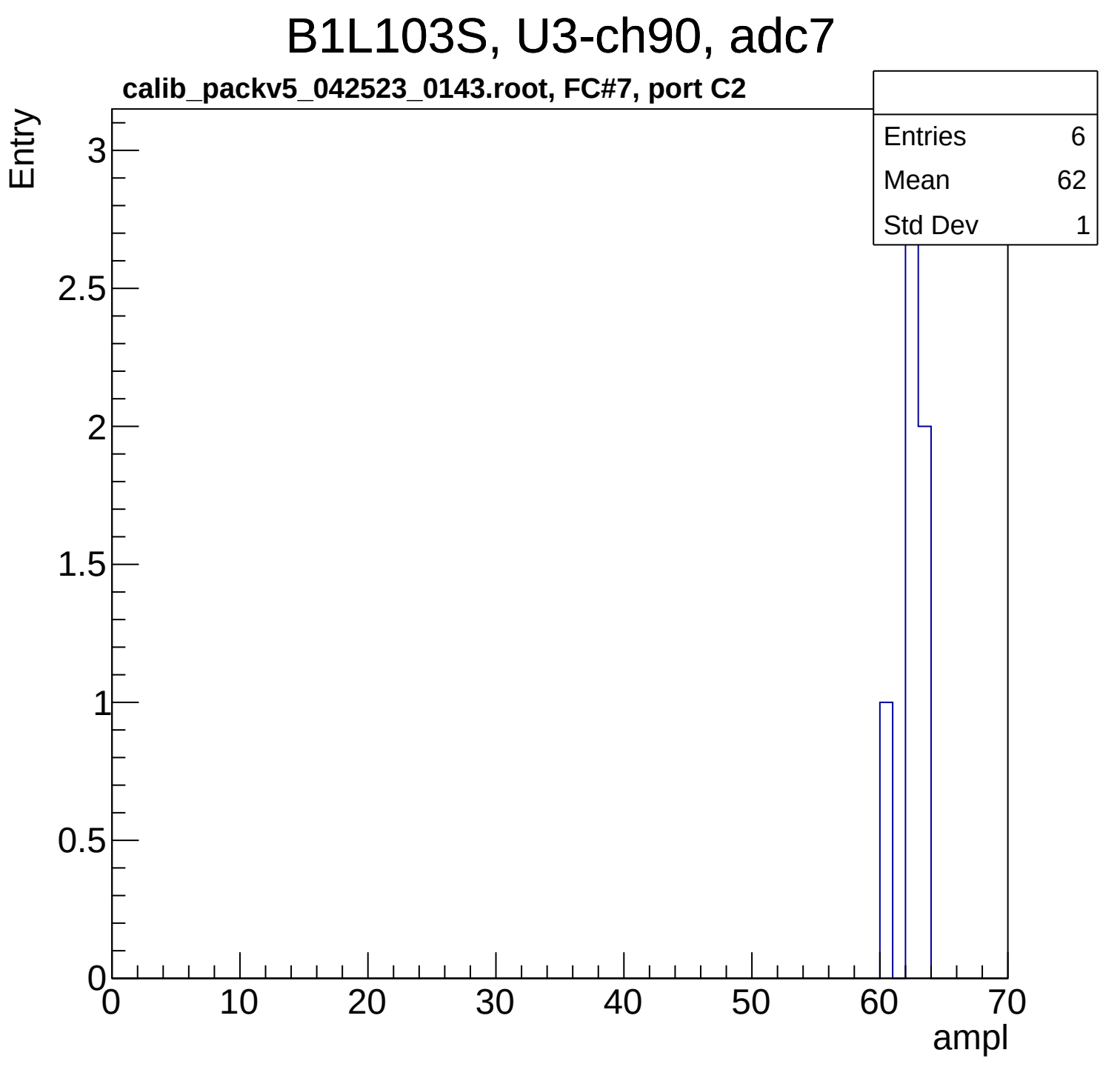
B1L103S, U3-ch90, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 62
Std Dev 1
Entry
ampl
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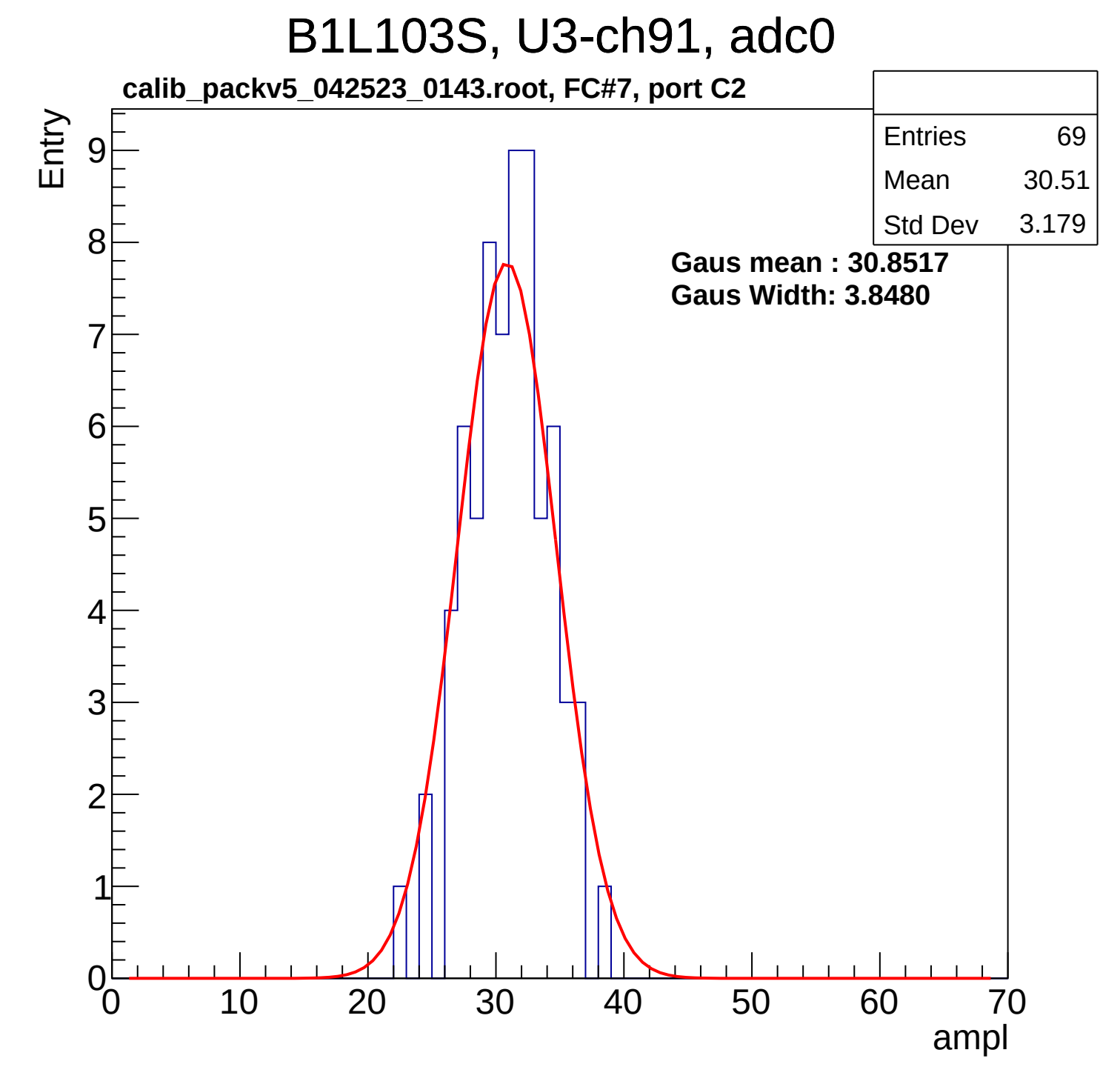
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch91, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 30.51
Std Dev 3.179
Gaus mean : 30.8517
Gaus Width: 3.8480
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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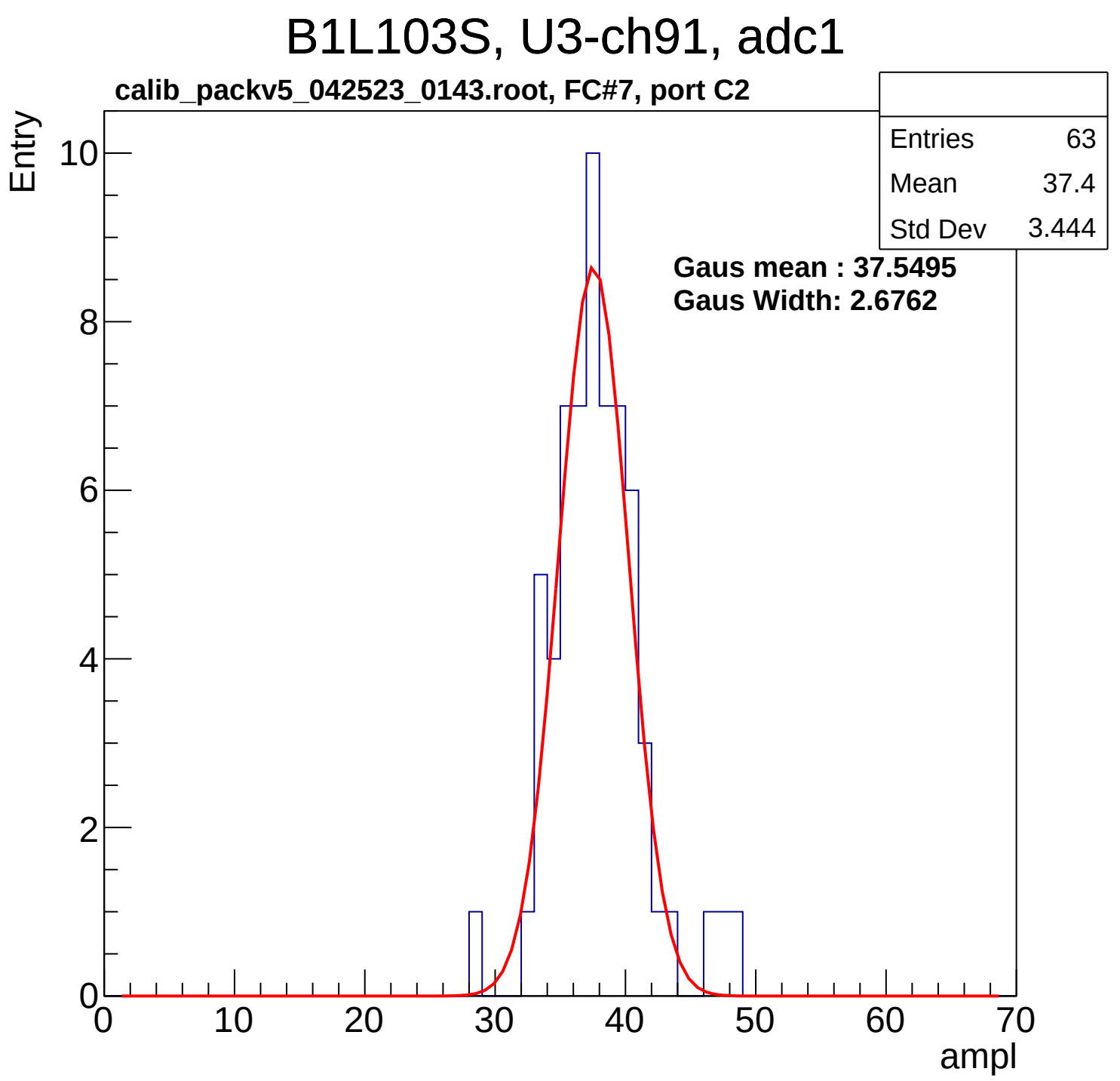
B1L103S, U3-ch91, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 37.4
Std Dev 3.444
Gaus mean : 37.5495
Gaus Width: 2.6762
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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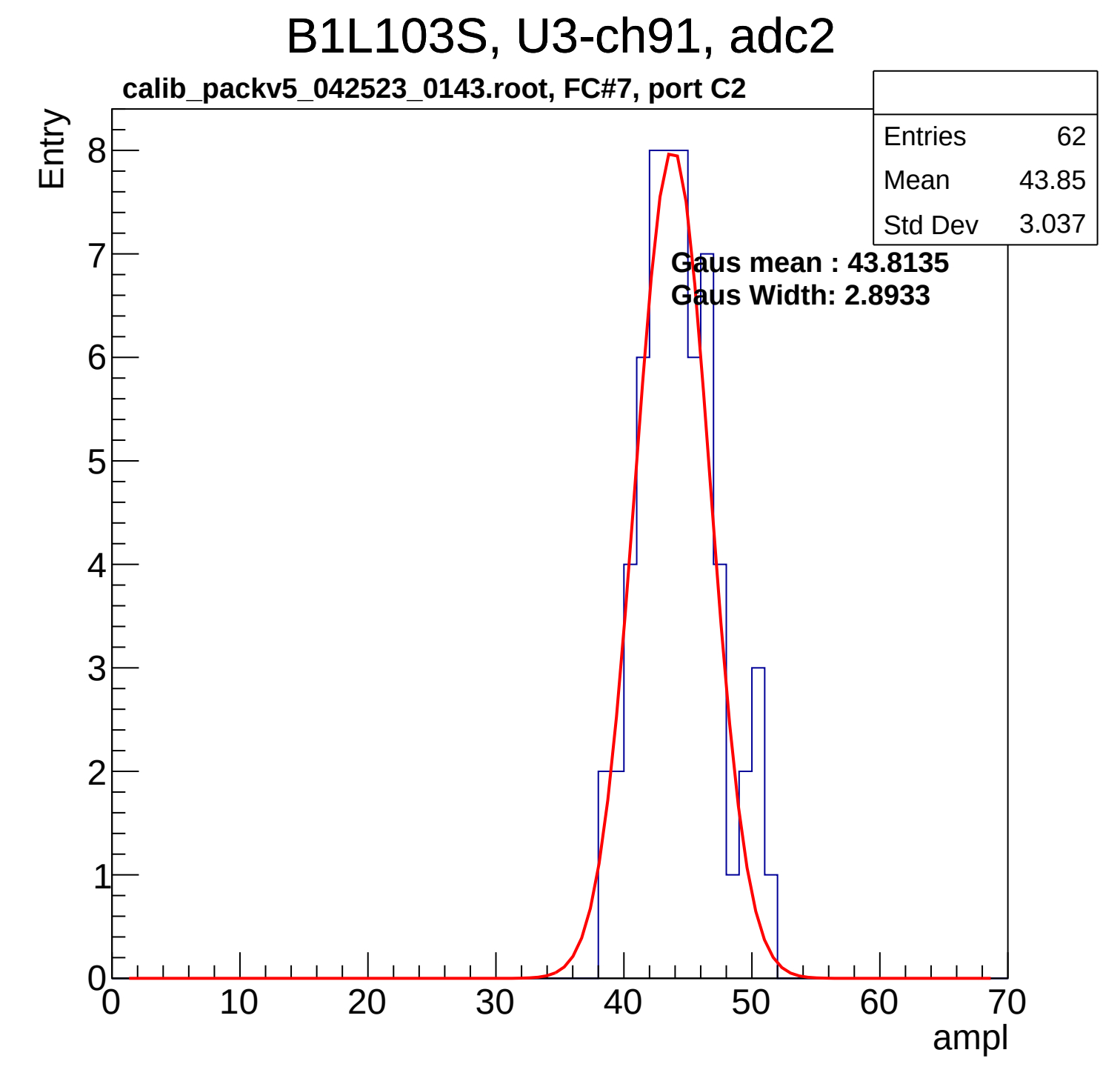
B1L103S, U3-ch91, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 43.85
Std Dev 3.037
Gaus mean : 43.8135
Gaus Width: 2.8933
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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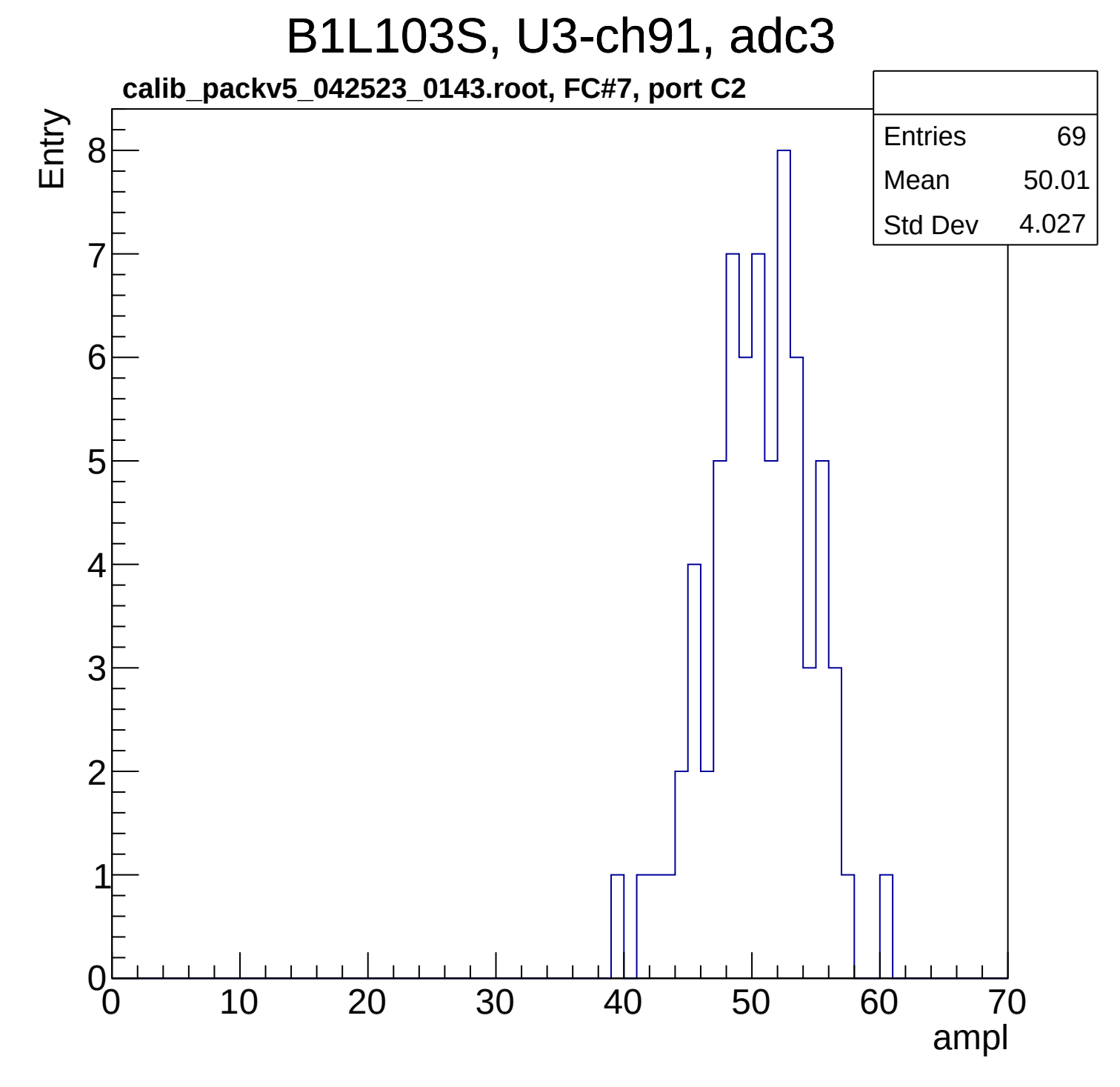
40
50
60
70


B1L103S, U3-ch91, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 50.01
Std Dev 4.027
Entry
ampl
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4
5
6
7
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0
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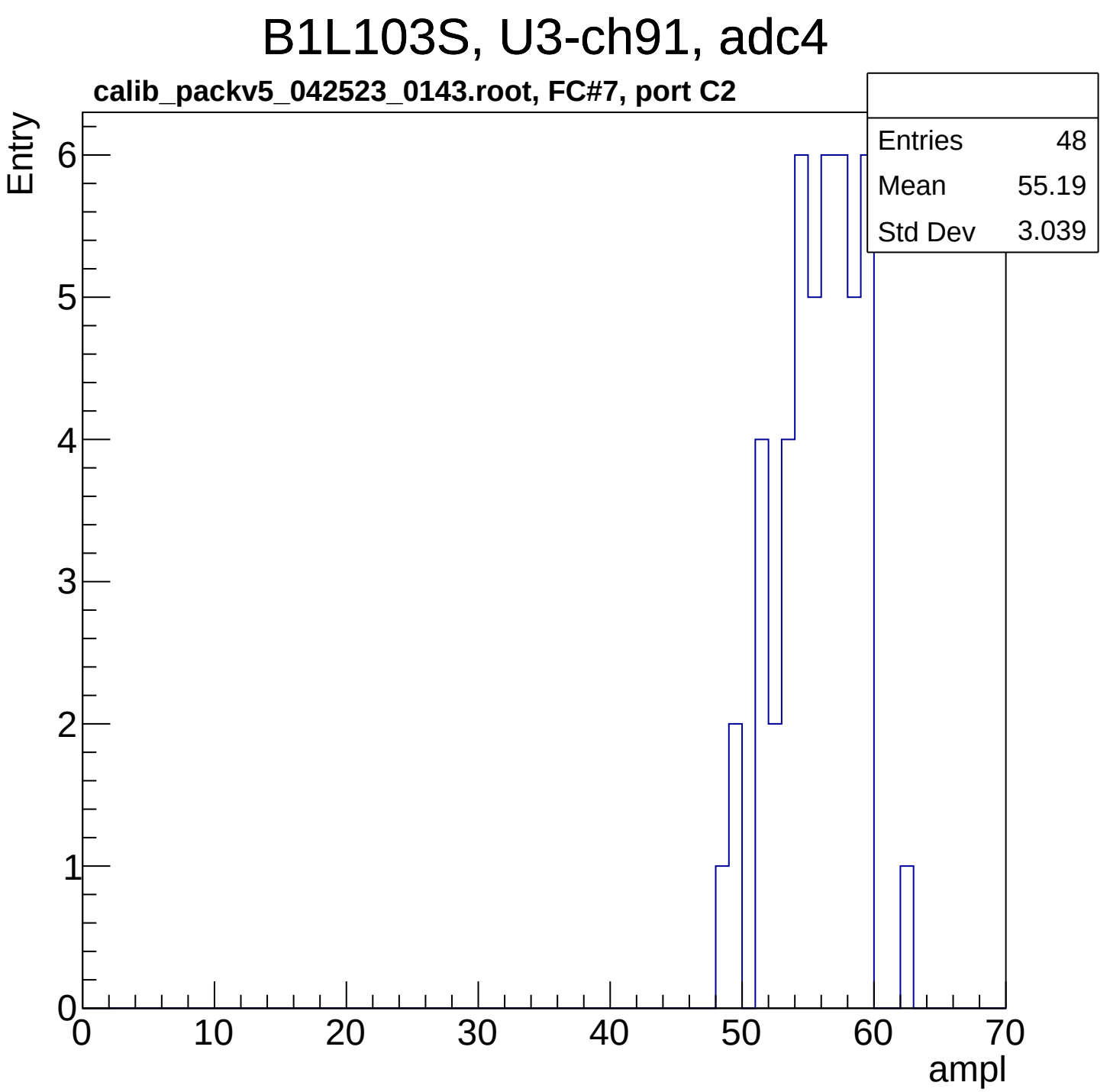
40
50
60
70


B1L103S, U3-ch91, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 55.19
Std Dev 3.039
Entry
ampl
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2
3
4
5
6
0
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20
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40
50
60
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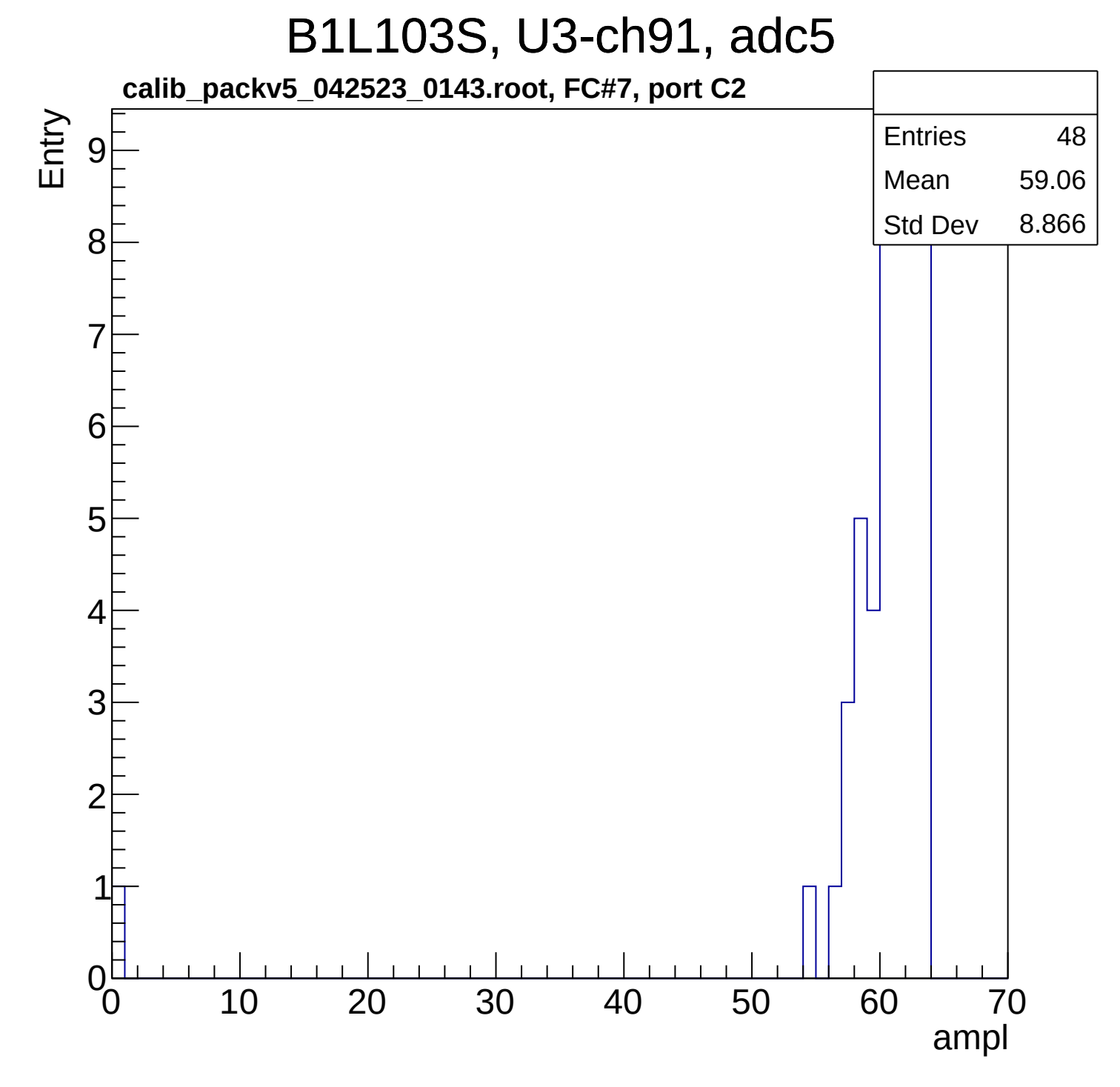
B1L103S, U3-ch91, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 59.06
Std Dev 8.866
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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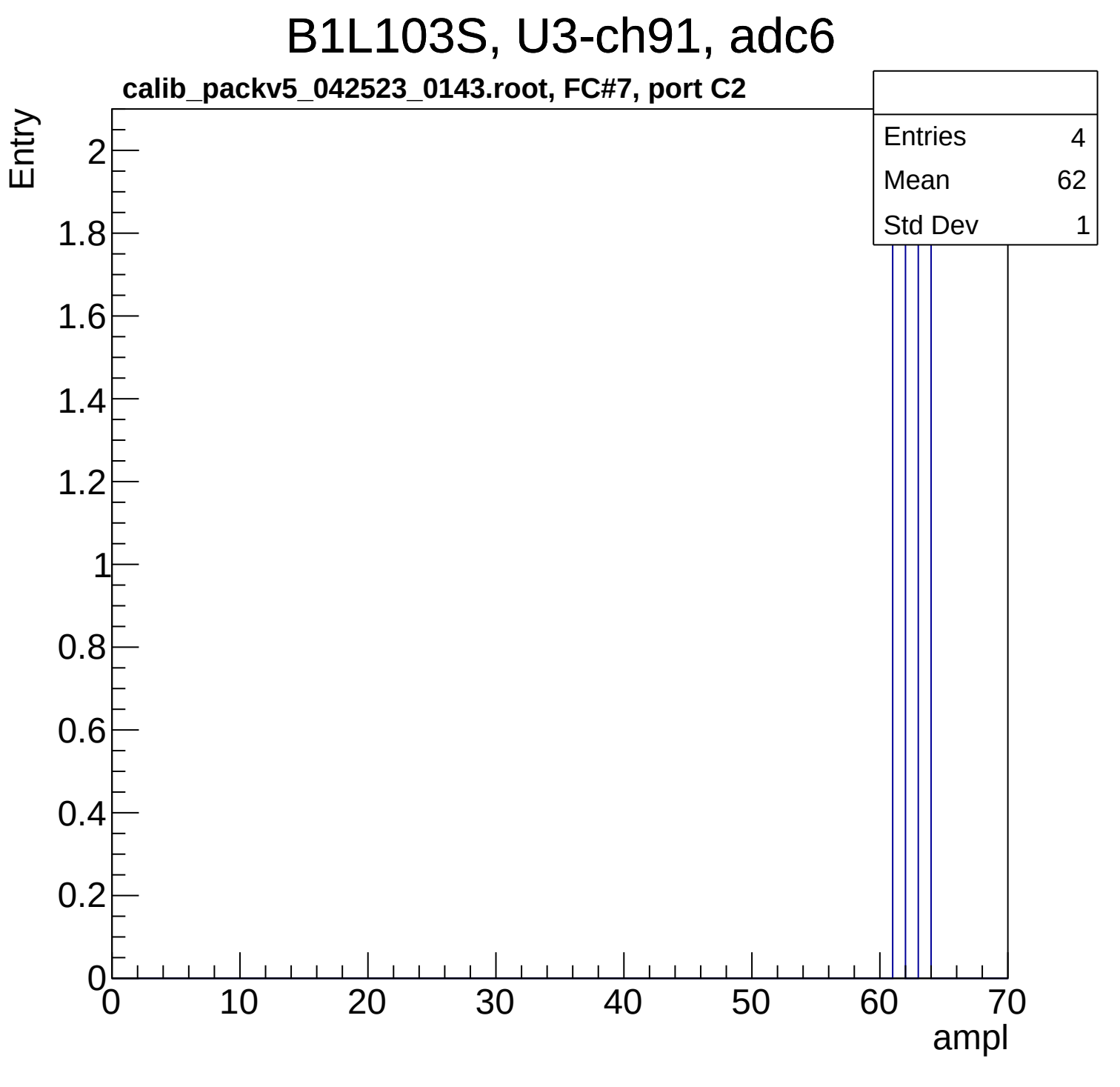
B1L103S, U3-ch91, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 62
Std Dev 1
Entry
ampl
0
0.2
0.4
0.6
0.8
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1.2
1.4
1.6
1.8
2
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40
50
60
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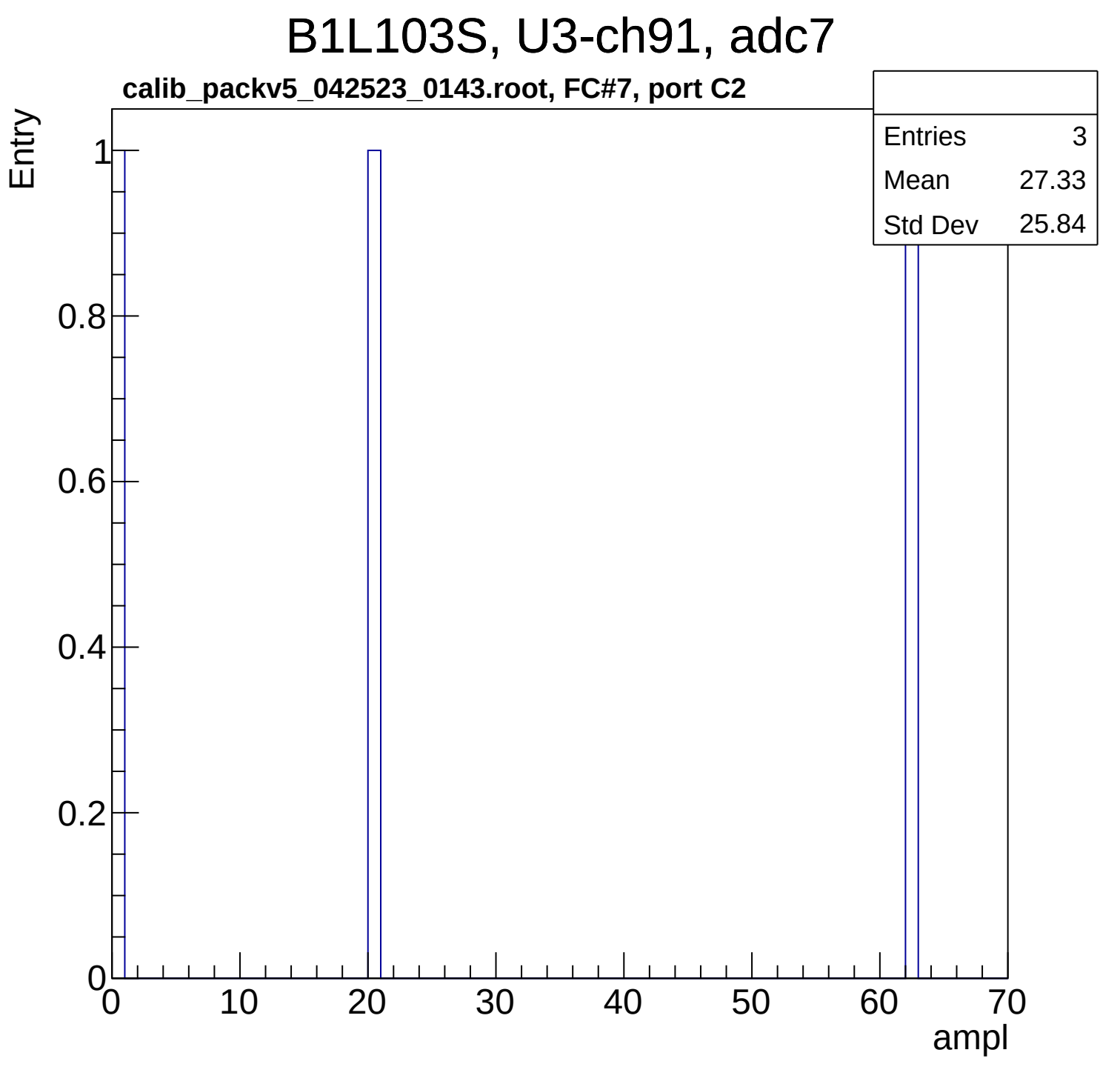
B1L103S, U3-ch91, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 27.33
Std Dev 25.84
Entry
ampl
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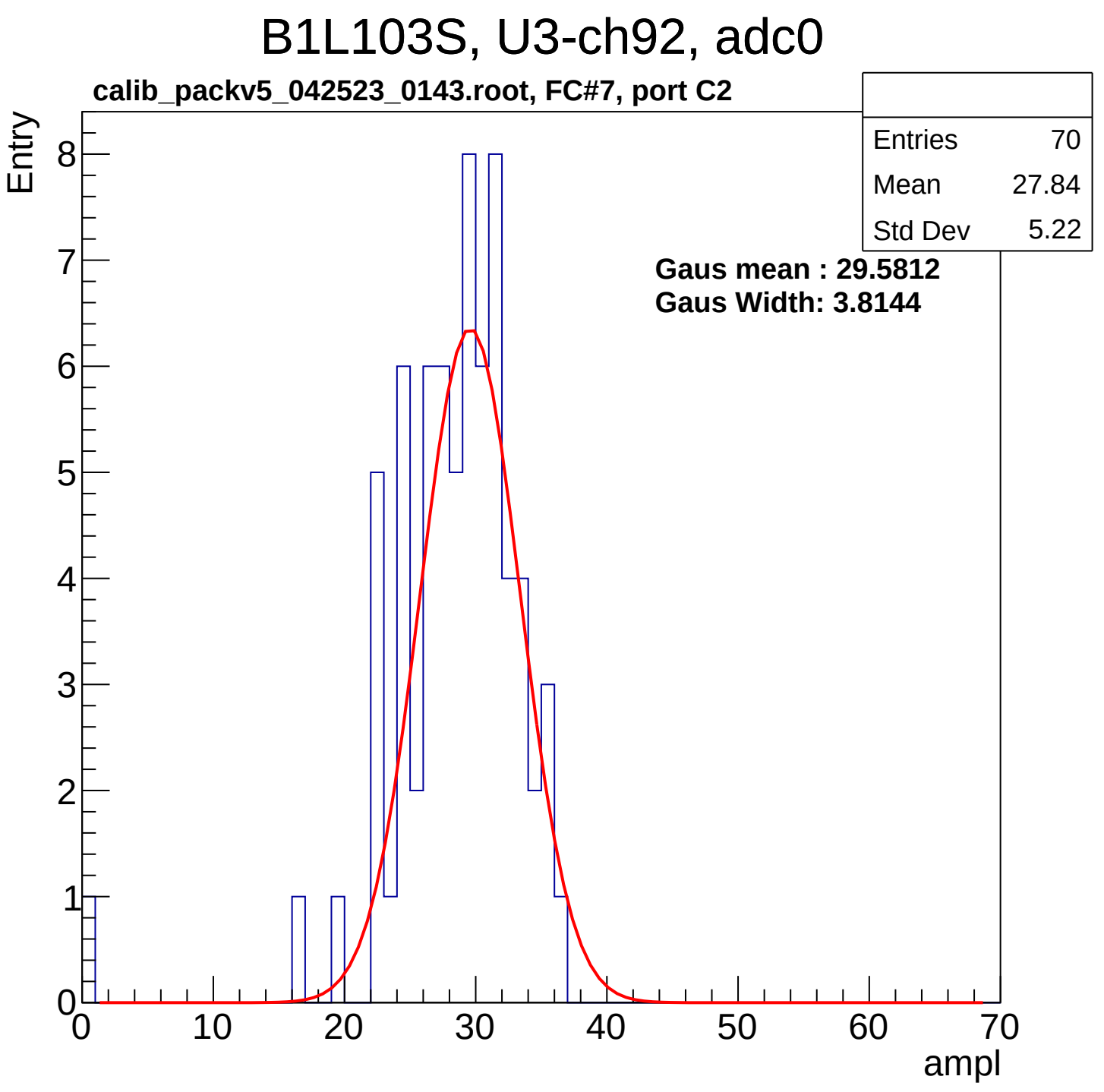
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B1L103S, U3-ch92, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 27.84
Std Dev 5.22
Gaus mean : 29.5812
Gaus Width: 3.8144
Entry
ampl
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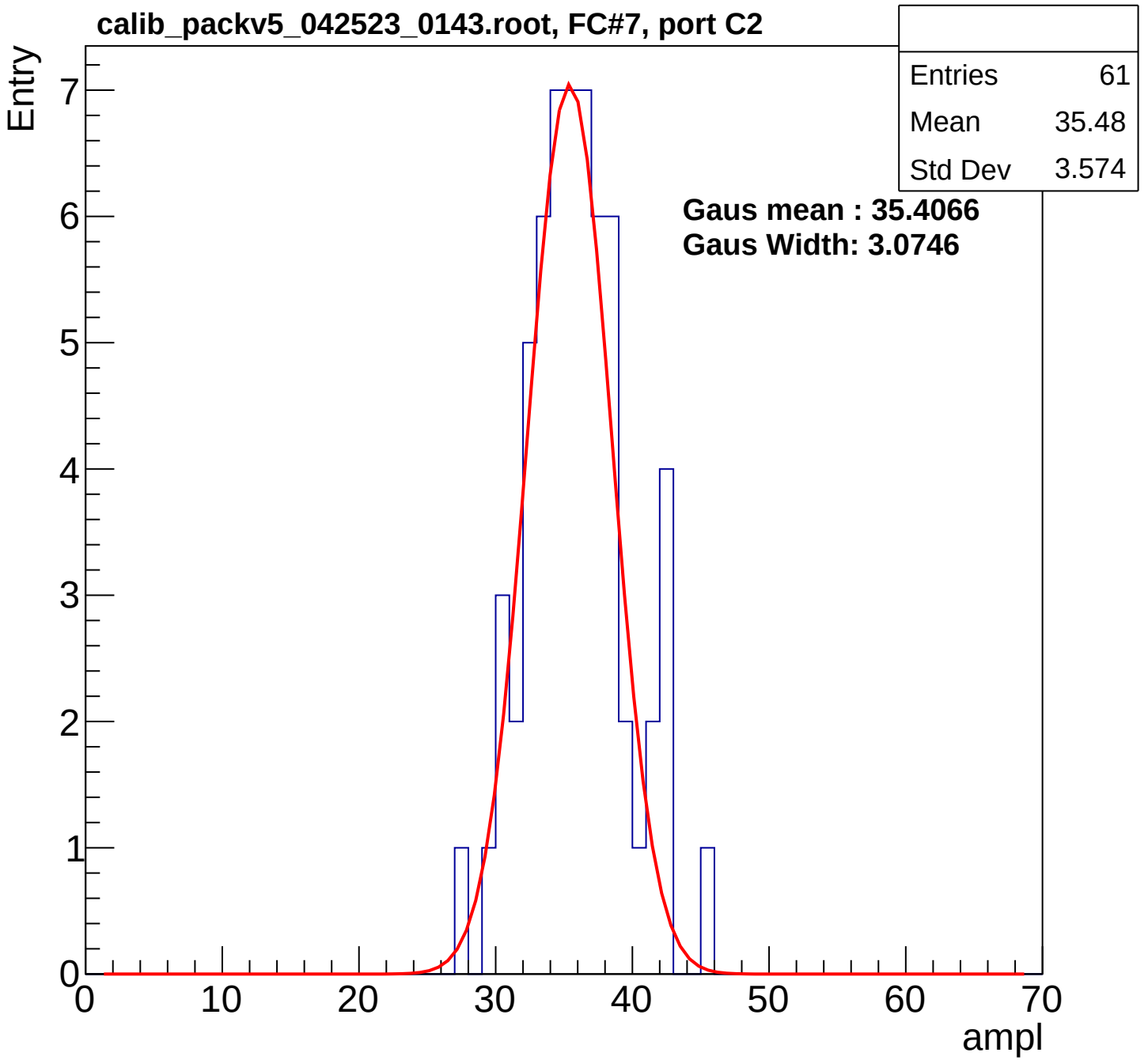
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch92, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 35.48
Std Dev 3.574
Gaus mean : 35.4066
Gaus Width: 3.0746
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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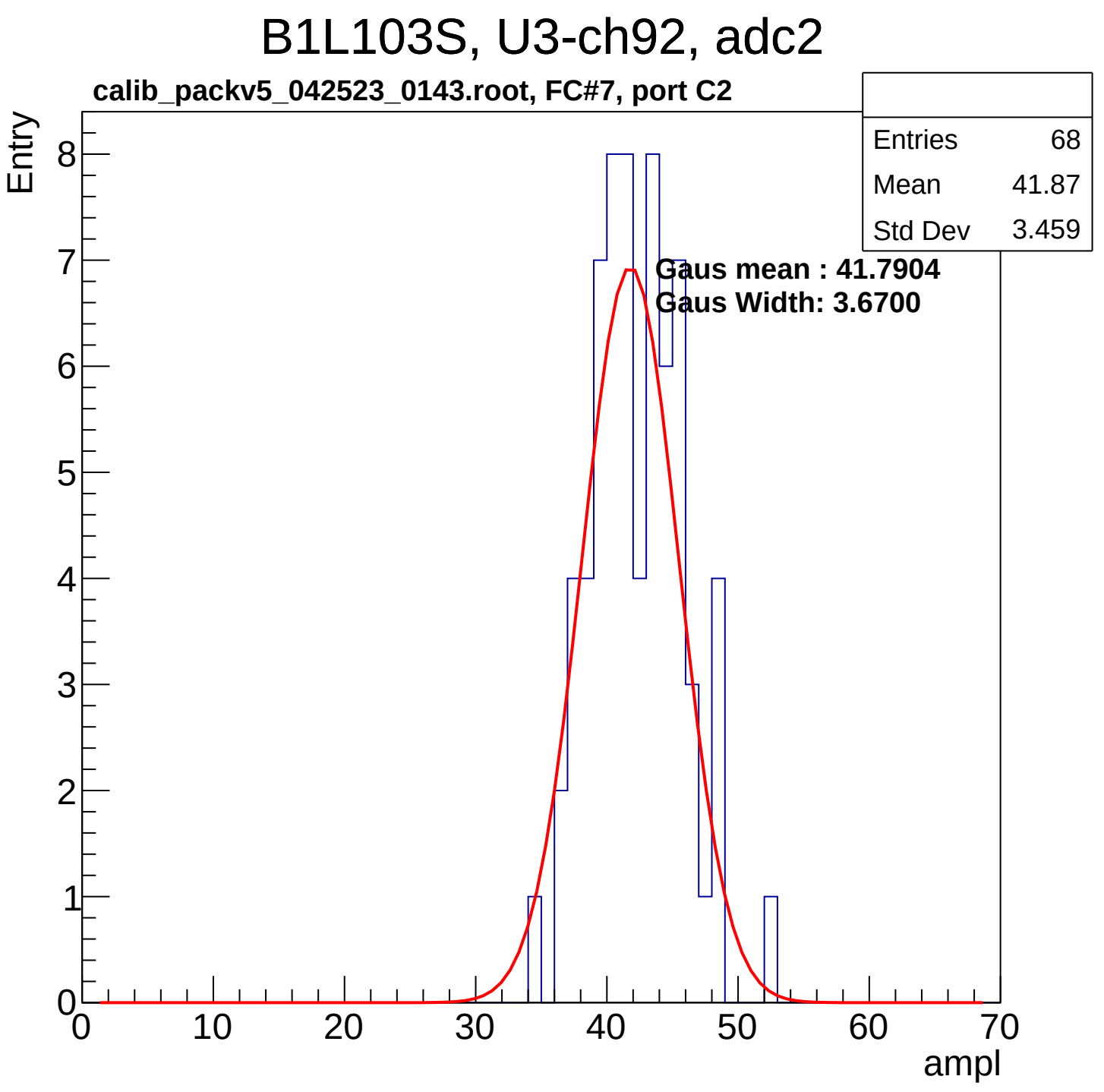
B1L103S, U3-ch92, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 41.87
Std Dev 3.459
Gaus mean : 41.7904
Gaus Width: 3.6700
Entry
ampl
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1
2
3
4
5
6
7
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0
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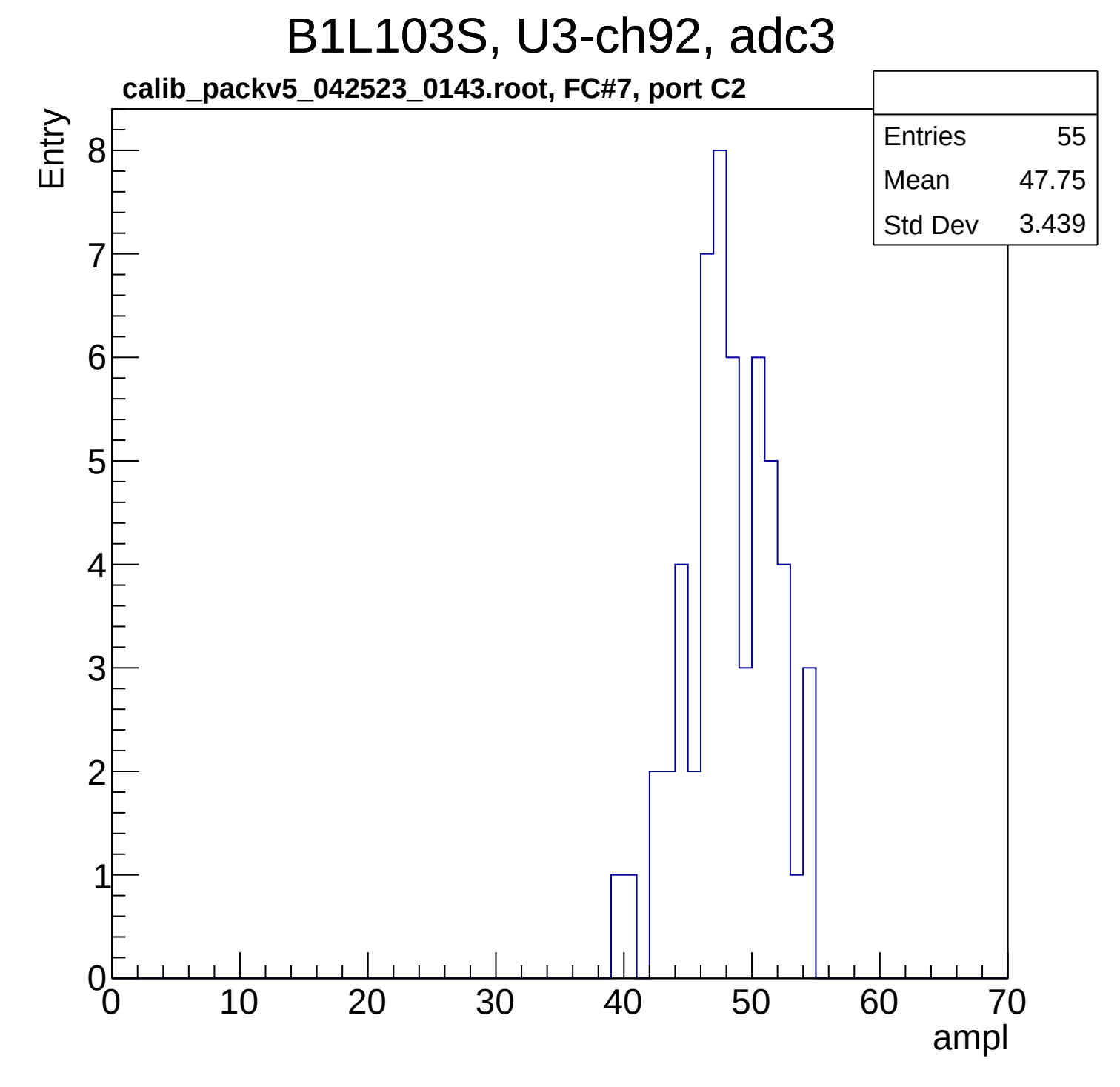
B1L103S, U3-ch92, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 47.75
Std Dev 3.439
Entry
ampl
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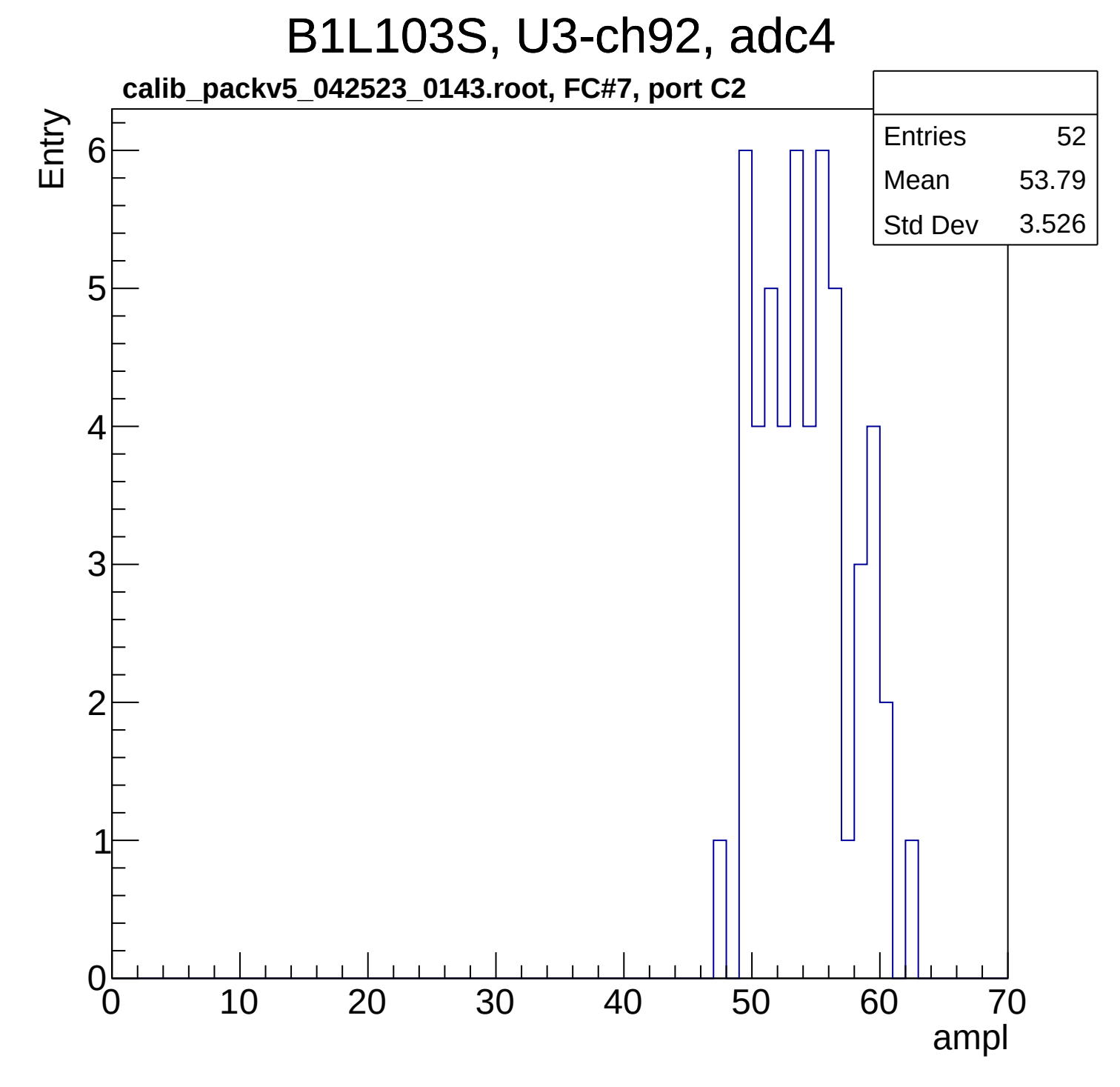
B1L103S, U3-ch92, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 53.79
Std Dev 3.526
Entry
ampl
0
1
2
3
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0
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60
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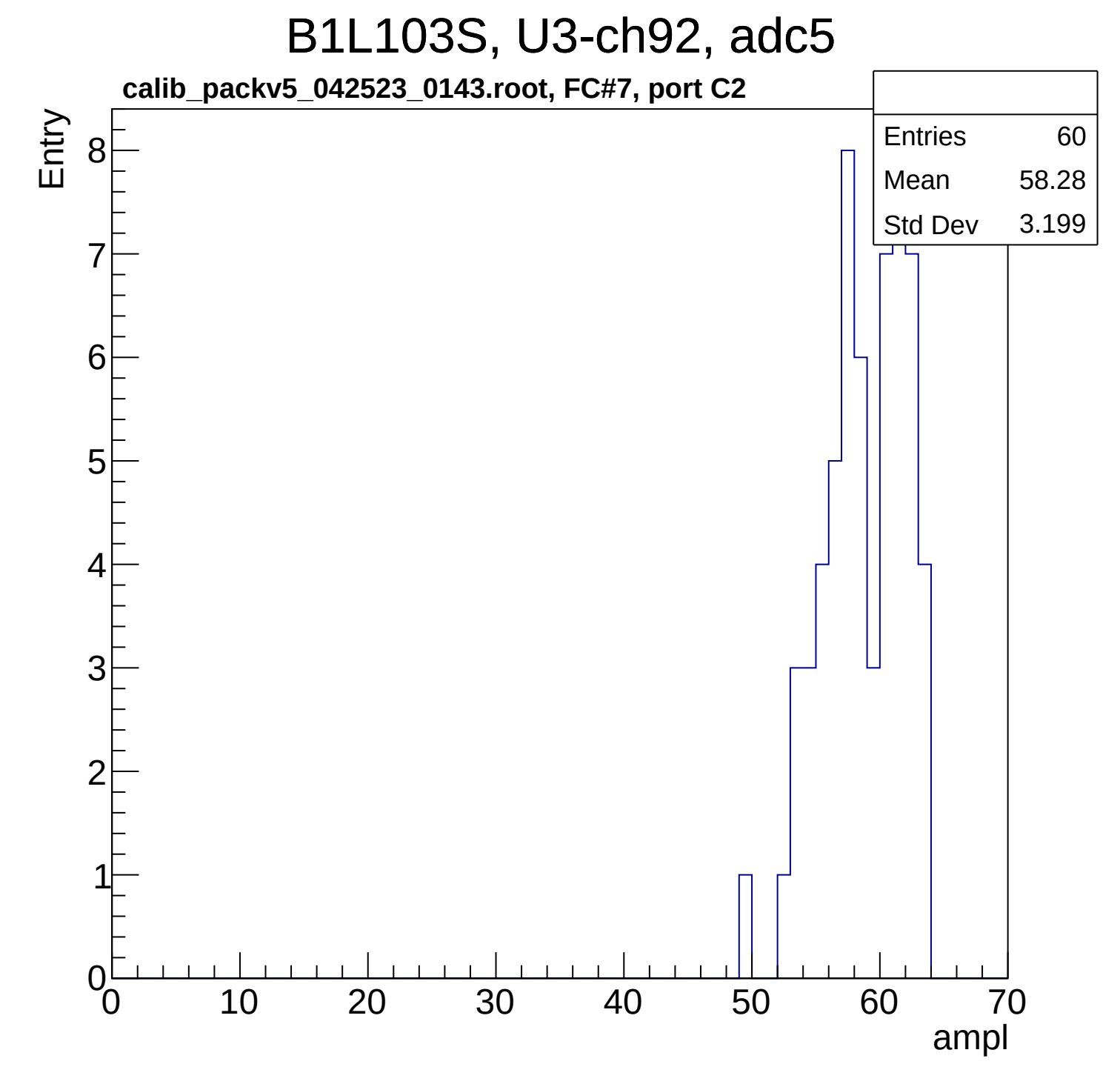
B1L103S, U3-ch92, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 58.28
Std Dev 3.199
Entry
0
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2
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4
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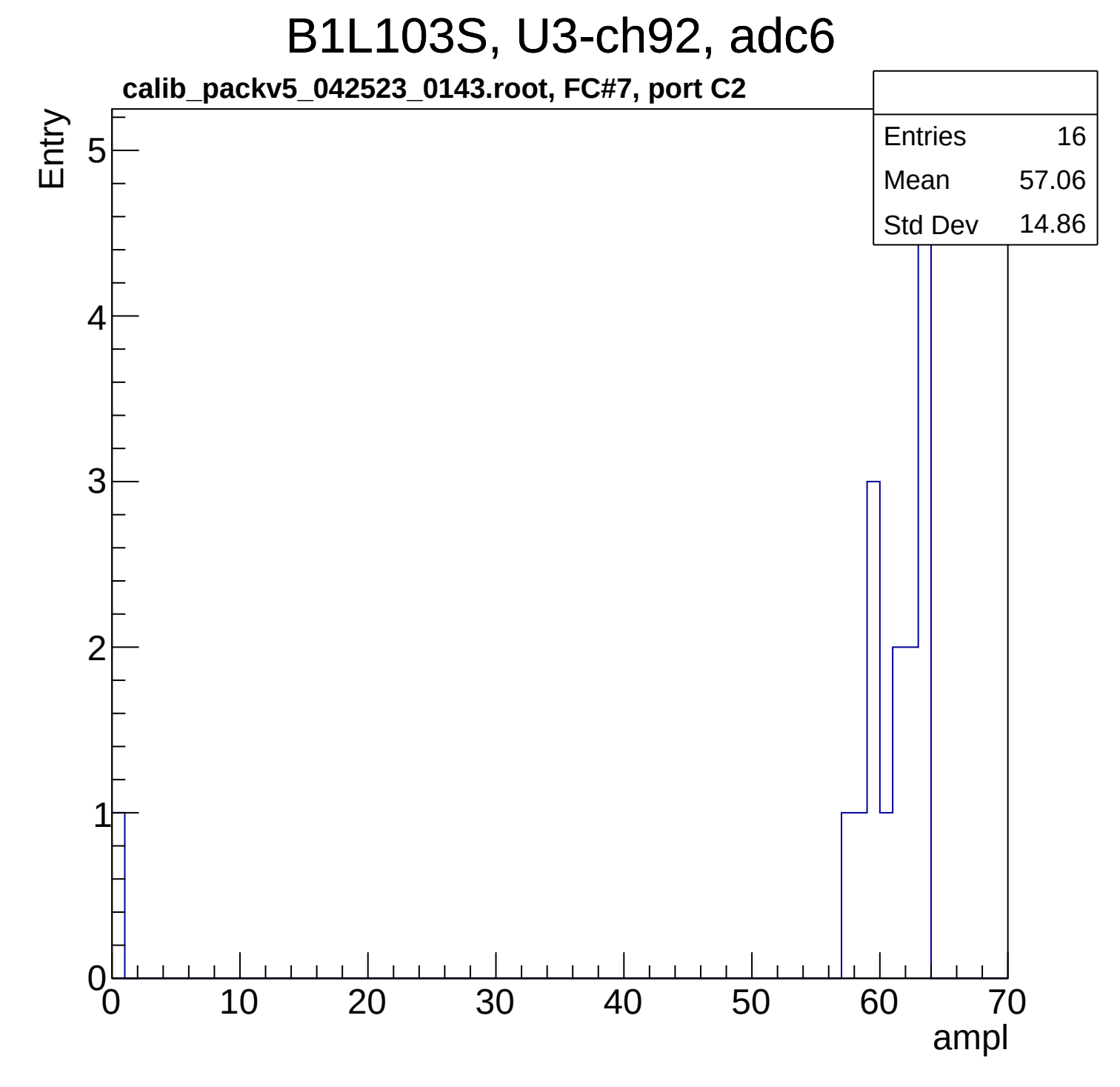
70
ampl


B1L103S, U3-ch92, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 57.06
Std Dev 14.86
Entry
0
1
2
3
4
5
0
10
20
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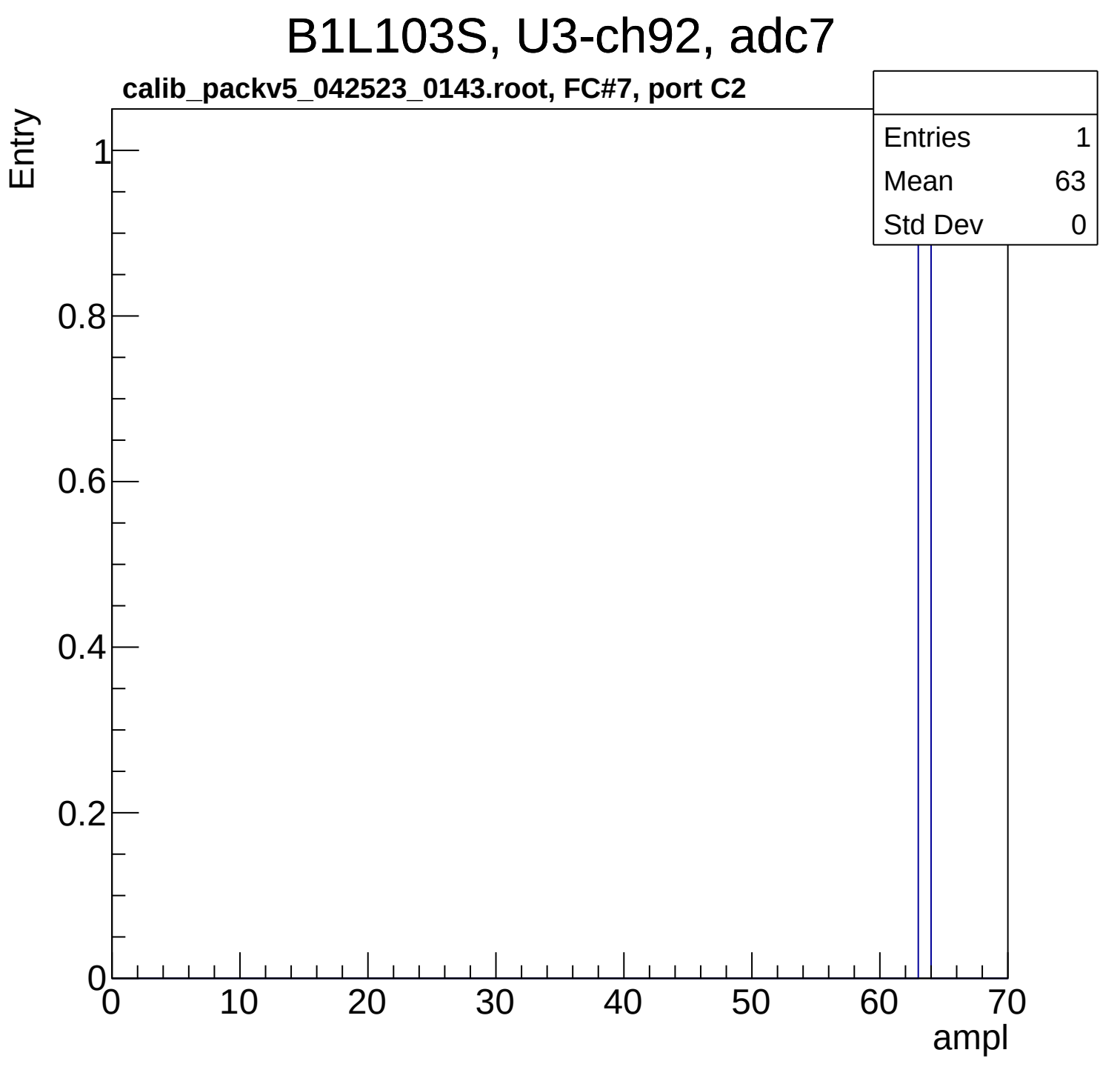
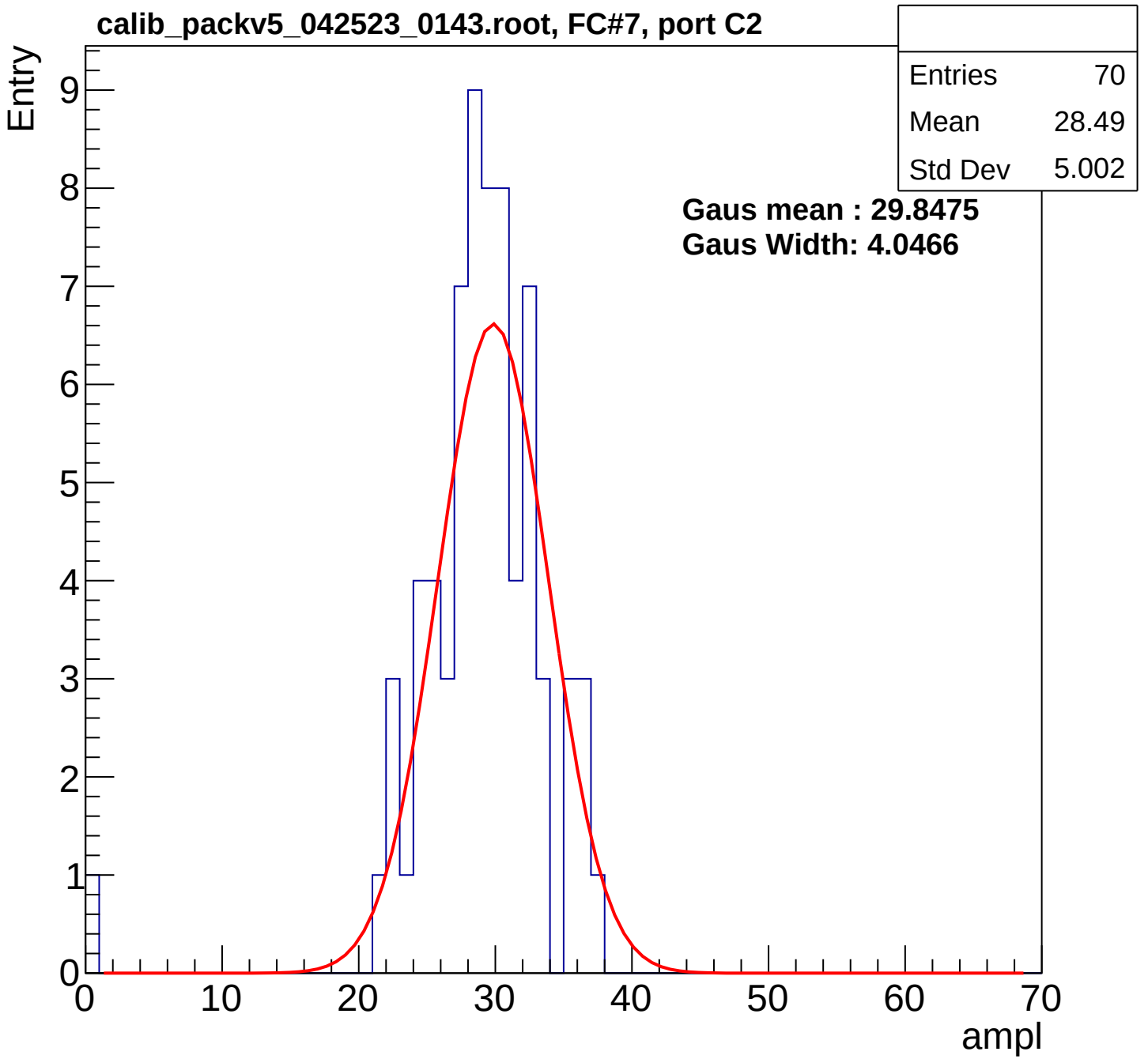
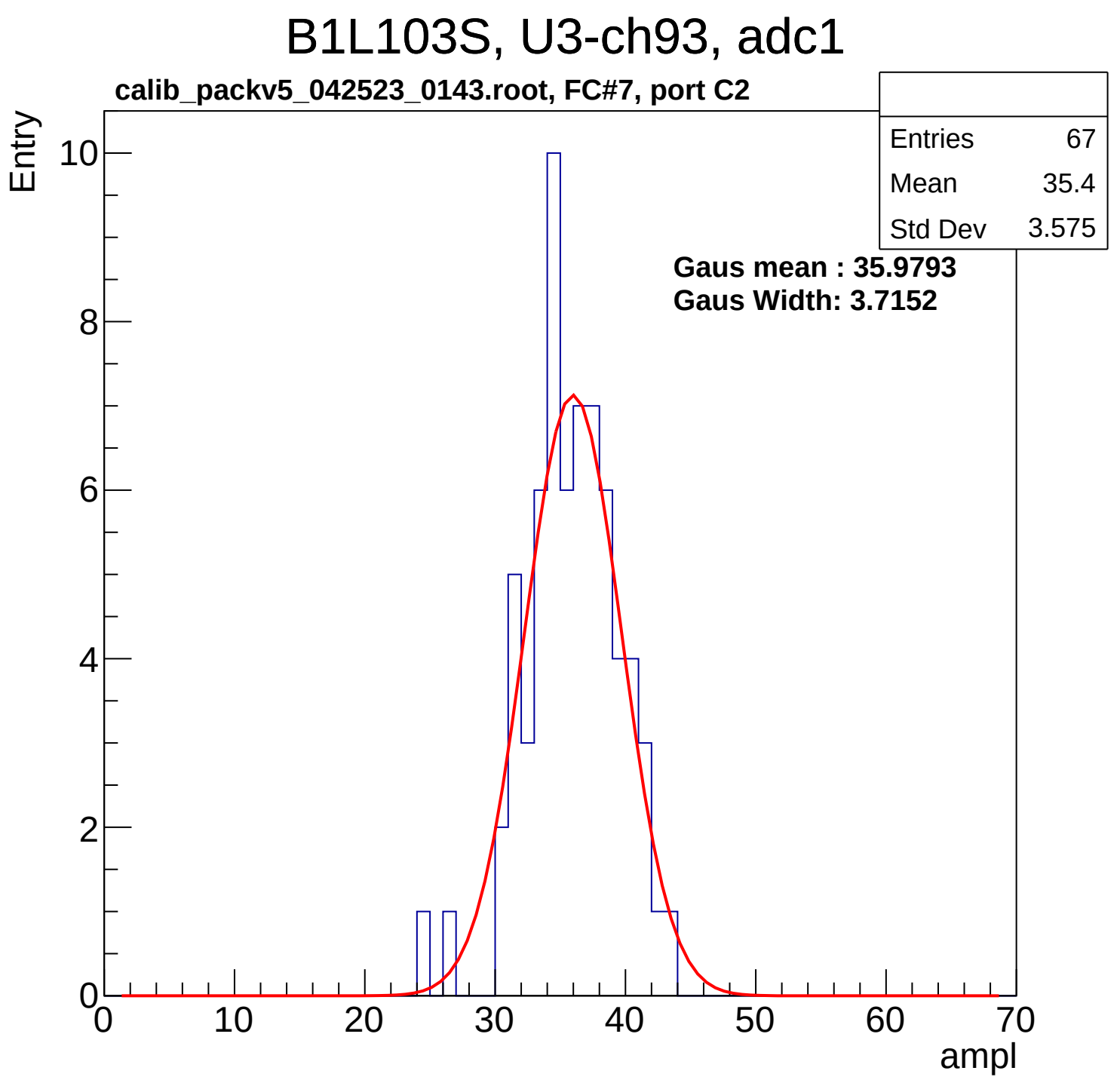
50
60
70
ampl


B1L103S, U3-ch92, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch93, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 28.49
Std Dev 5.002
Gaus mean : 29.8475
Gaus Width: 4.0466
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch93, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 35.4
Std Dev 3.575
Gaus mean : 35.9793
Gaus Width: 3.7152
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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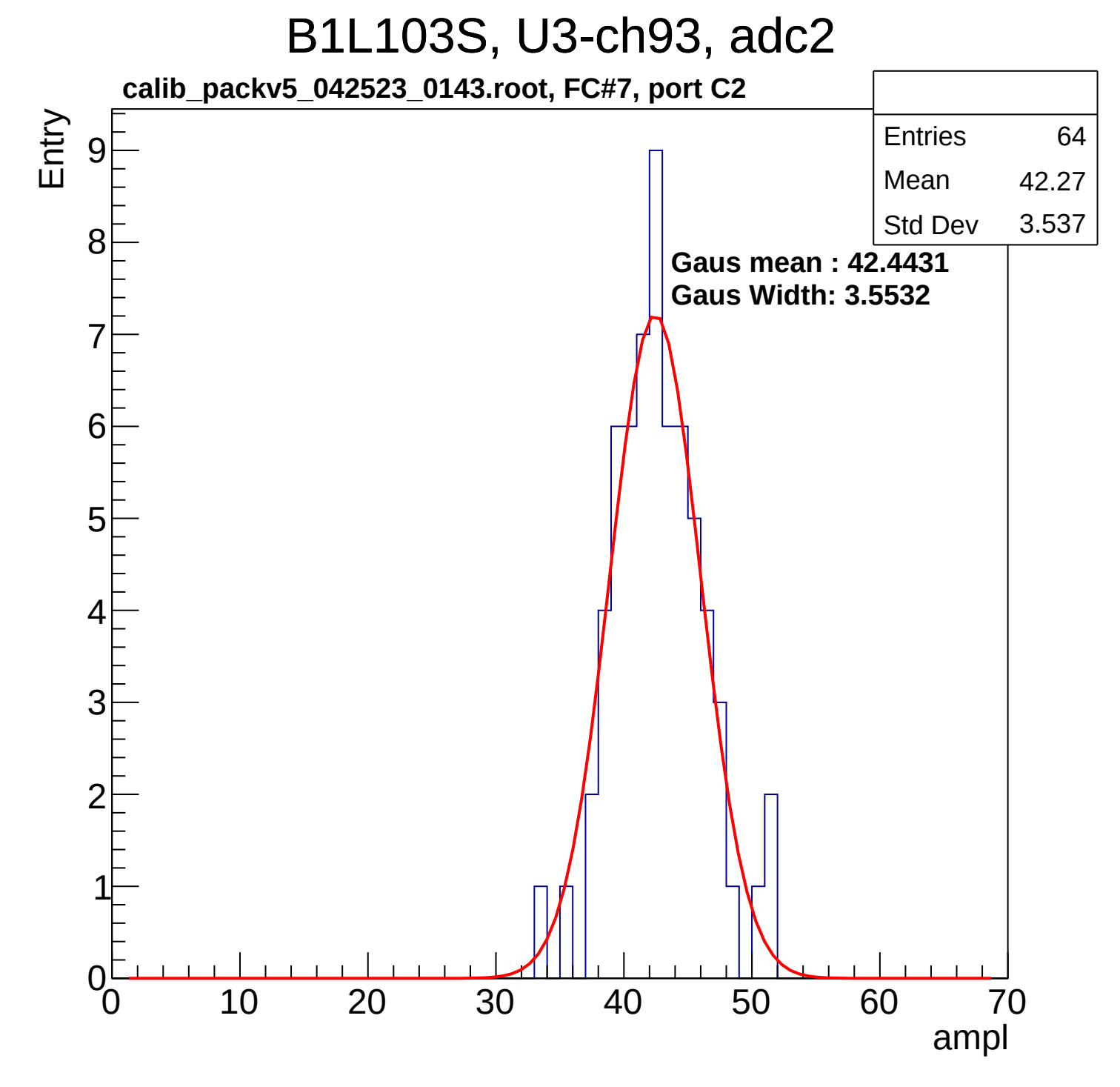
B1L103S, U3-ch93, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 42.27
Std Dev 3.537
Gaus mean : 42.4431
Gaus Width: 3.5532
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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40
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60
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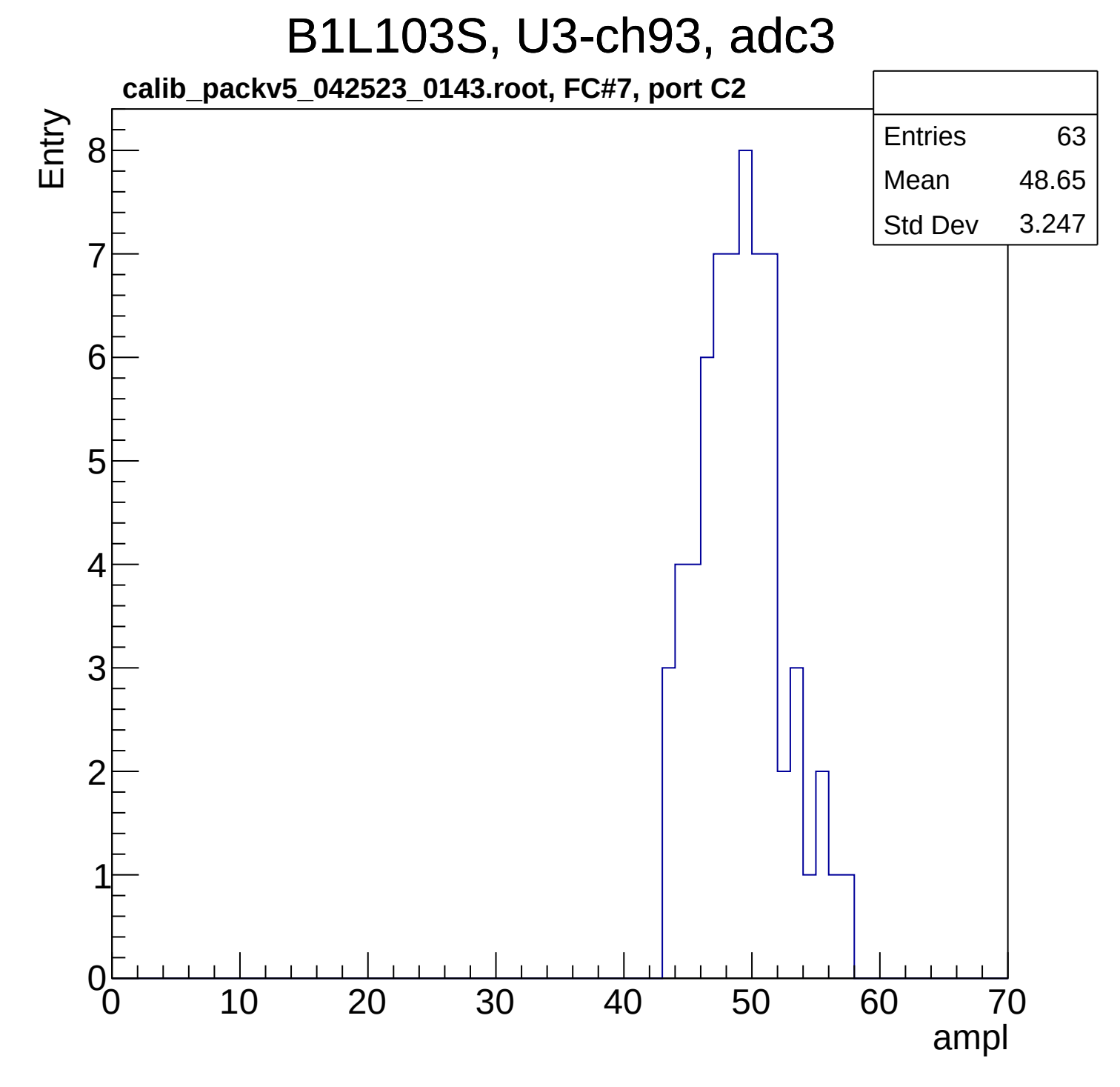
B1L103S, U3-ch93, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 48.65
Std Dev 3.247
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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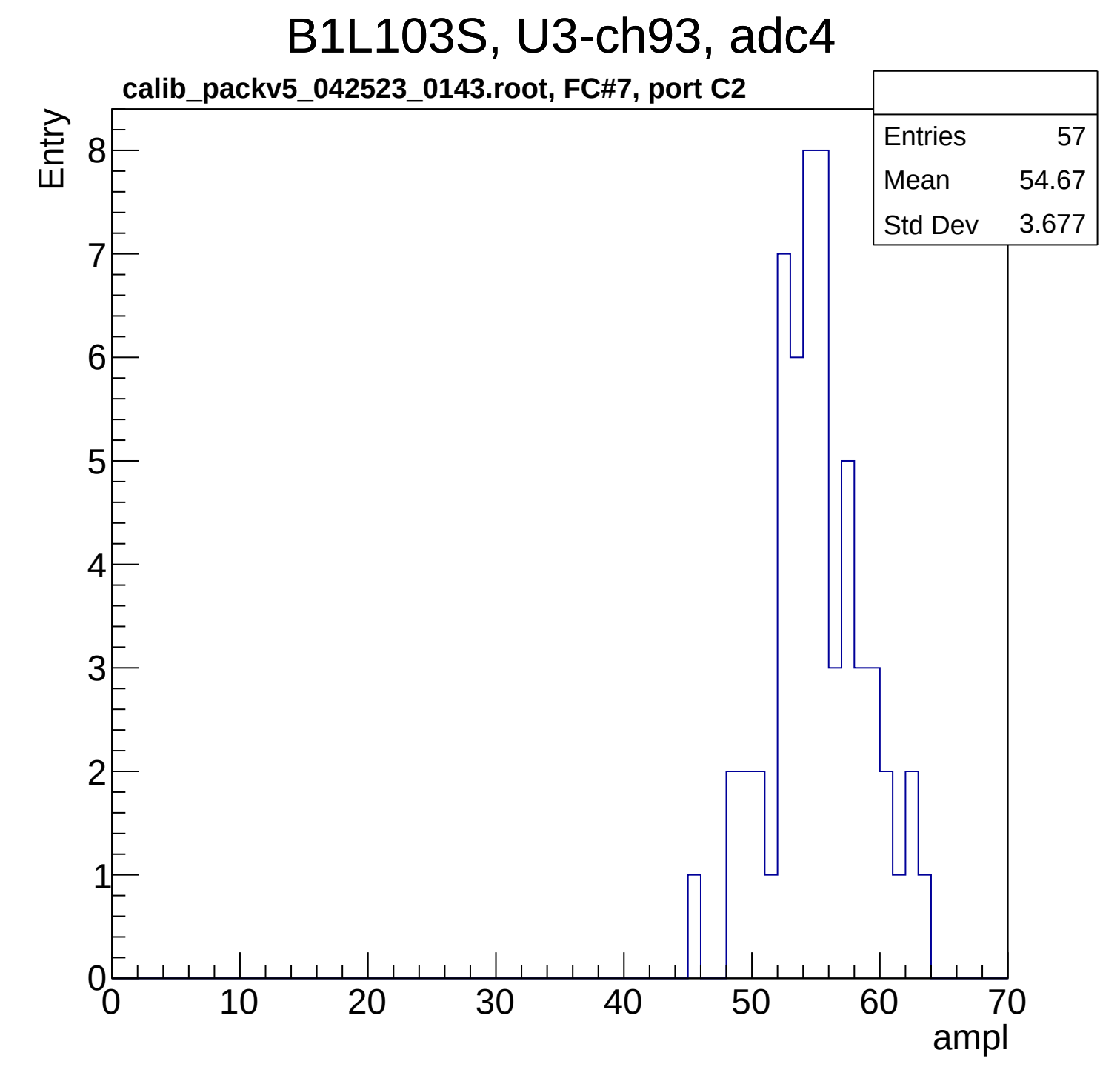
B1L103S, U3-ch93, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 54.67
Std Dev 3.677
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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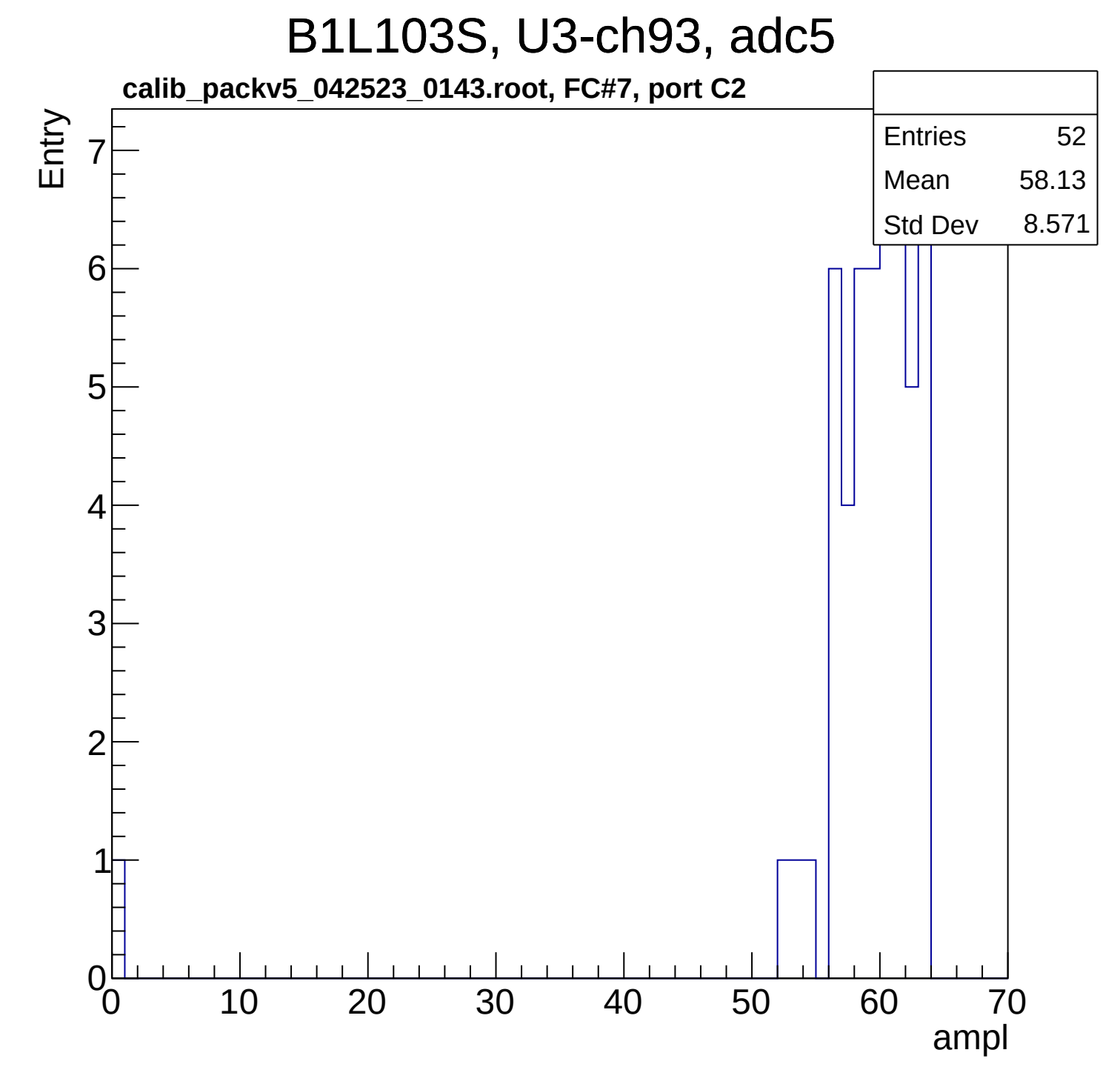
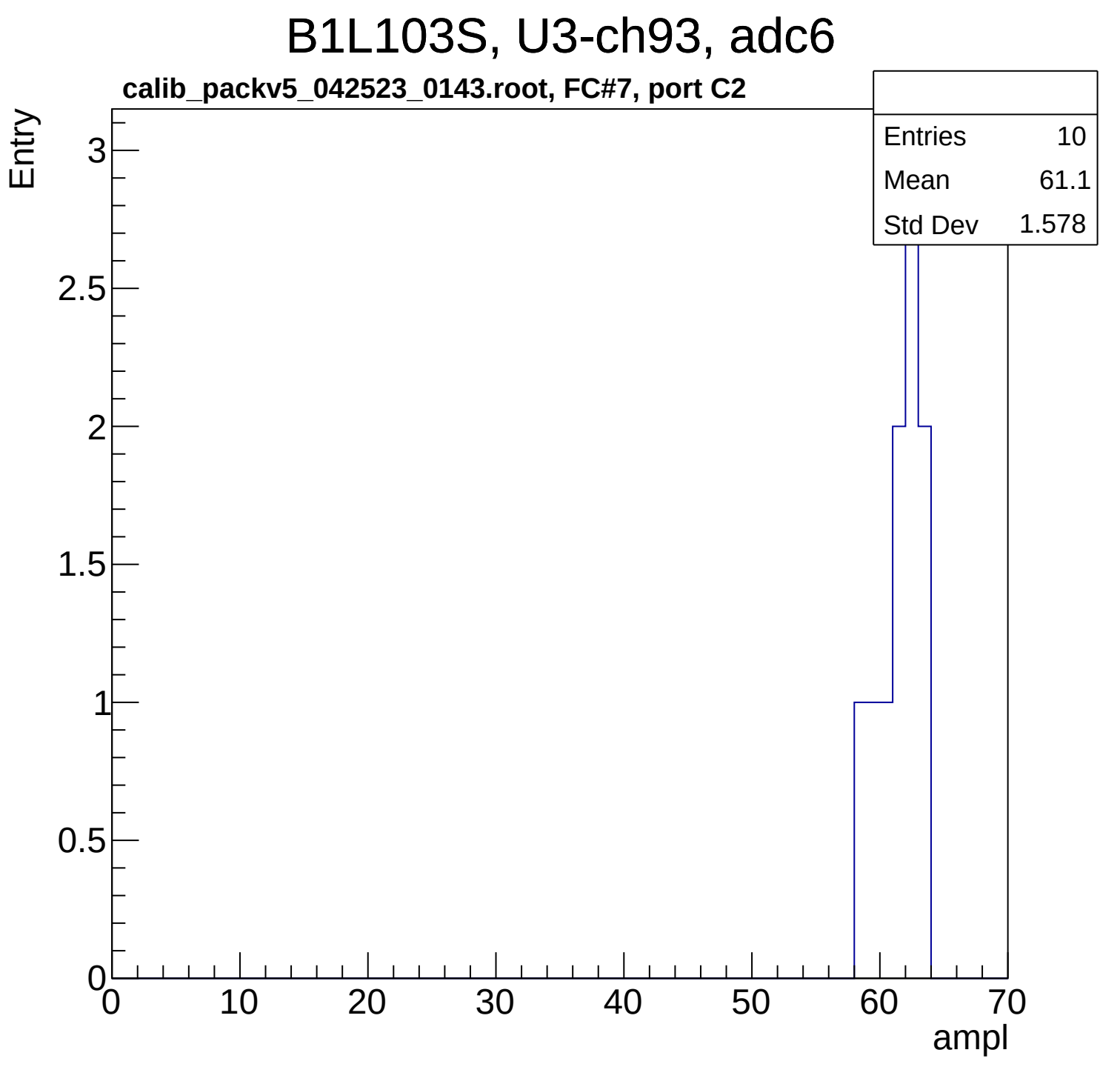
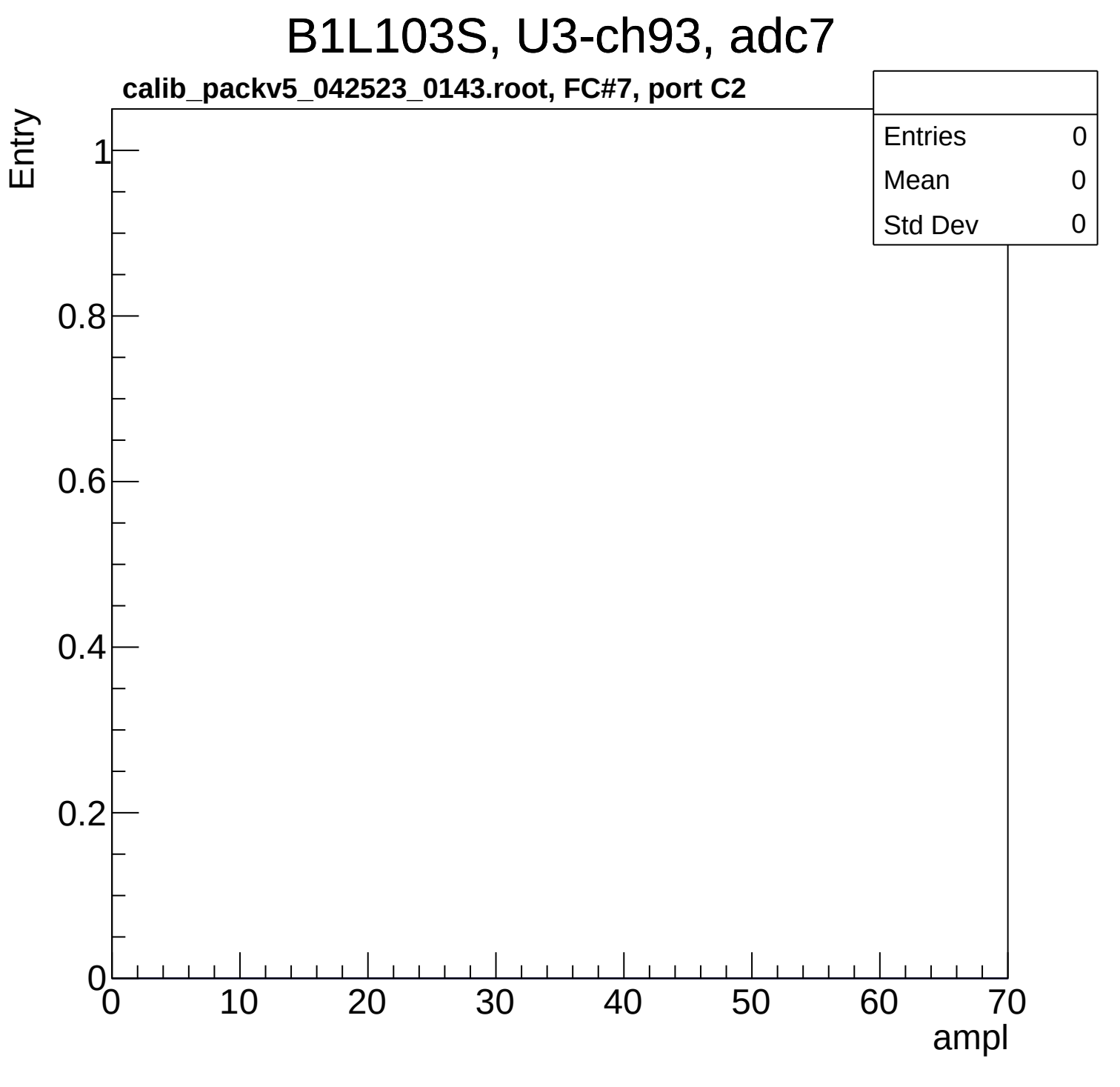

B1L103S, U3-ch93, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 58.13
Std Dev 8.571
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch93, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 61.1
Std Dev 1.578
Entry
ampl
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch93, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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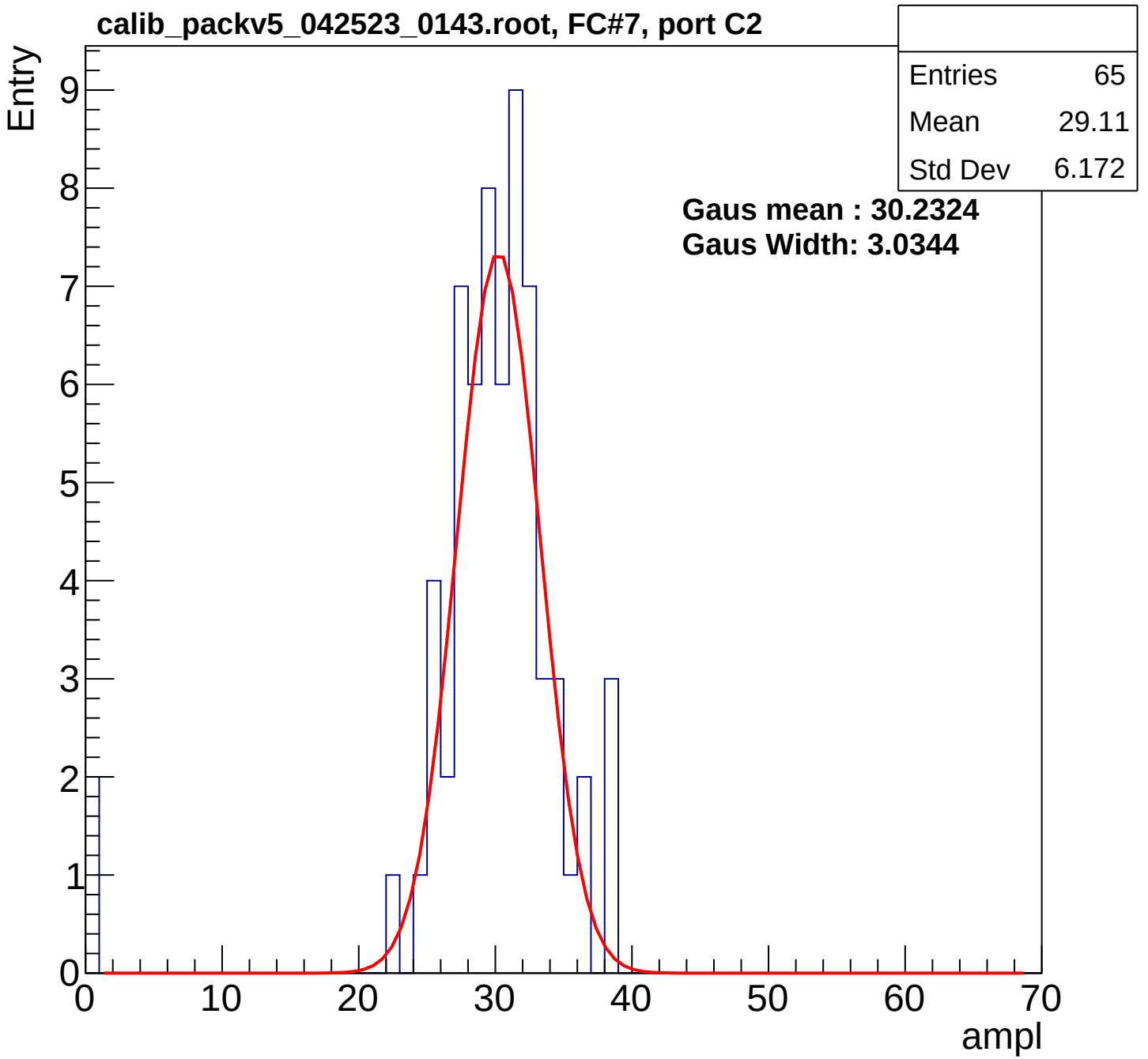
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch94, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 29.11
Std Dev 6.172
Gaus mean : 30.2324
Gaus Width: 3.0344
Entry
ampl
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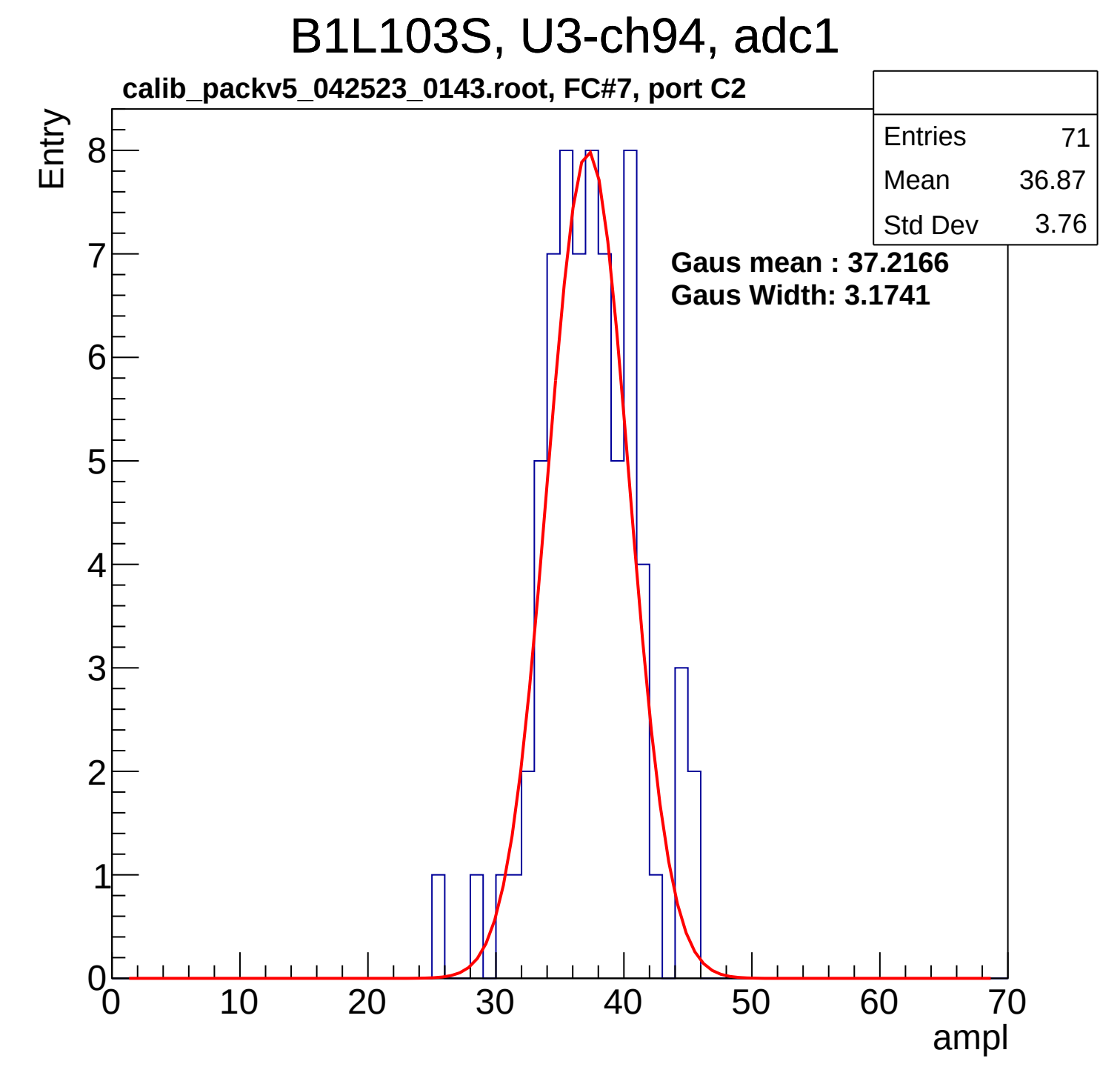
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch94, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 36.87
Std Dev 3.76
Gaus mean : 37.2166
Gaus Width: 3.1741
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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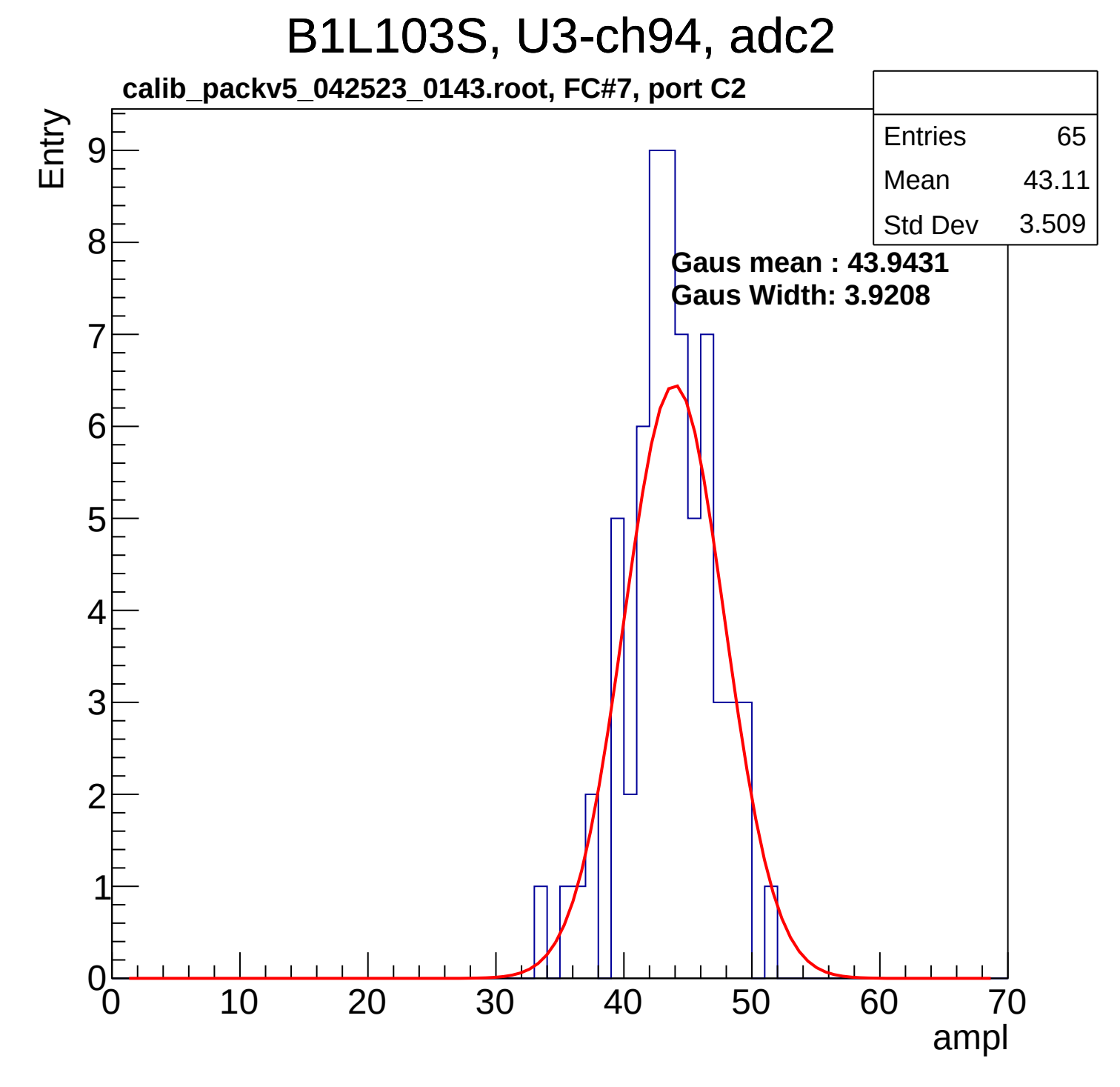
B1L103S, U3-ch94, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 43.11
Std Dev 3.509
Gaus mean : 43.9431
Gaus Width: 3.9208
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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60
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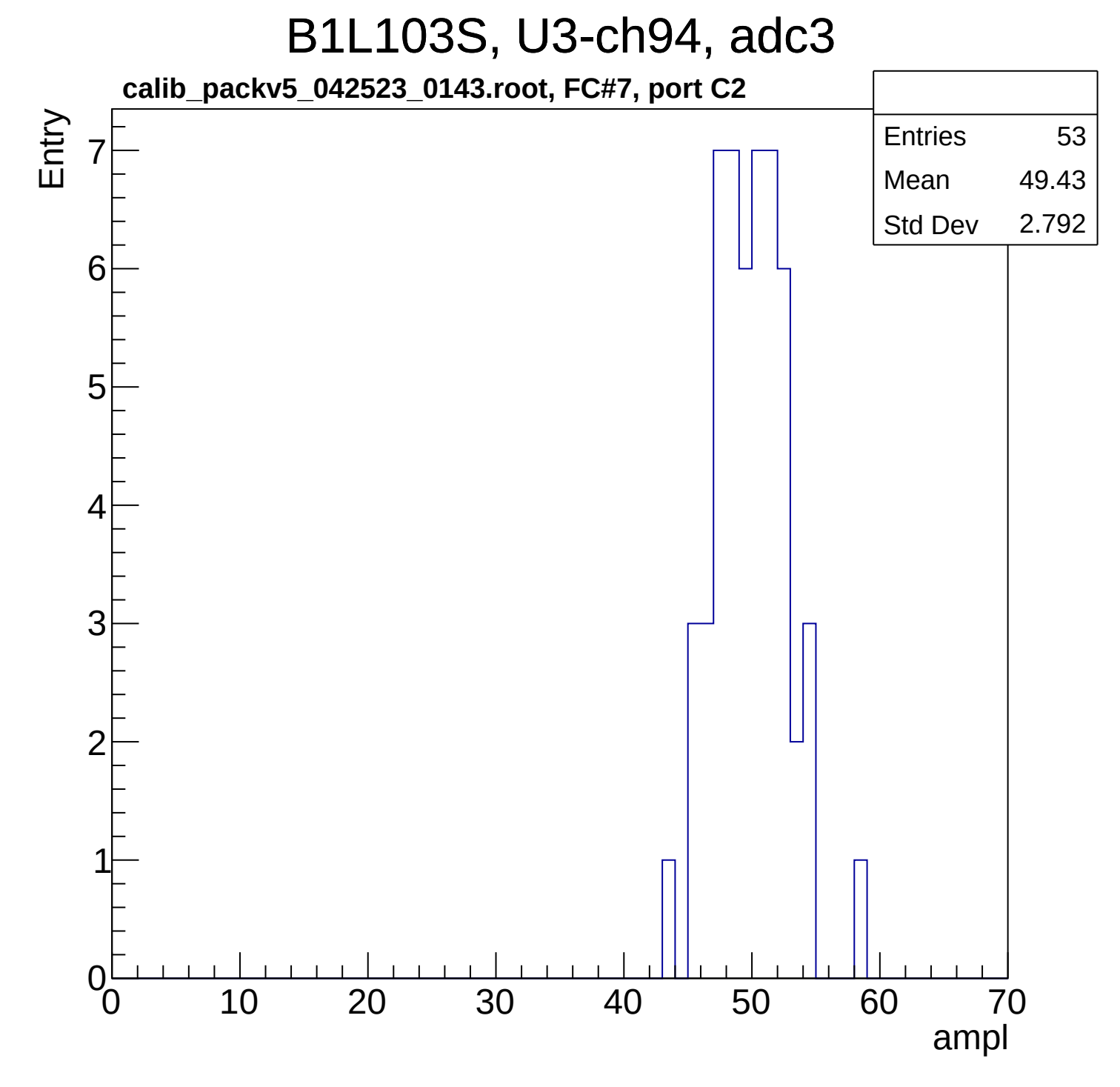
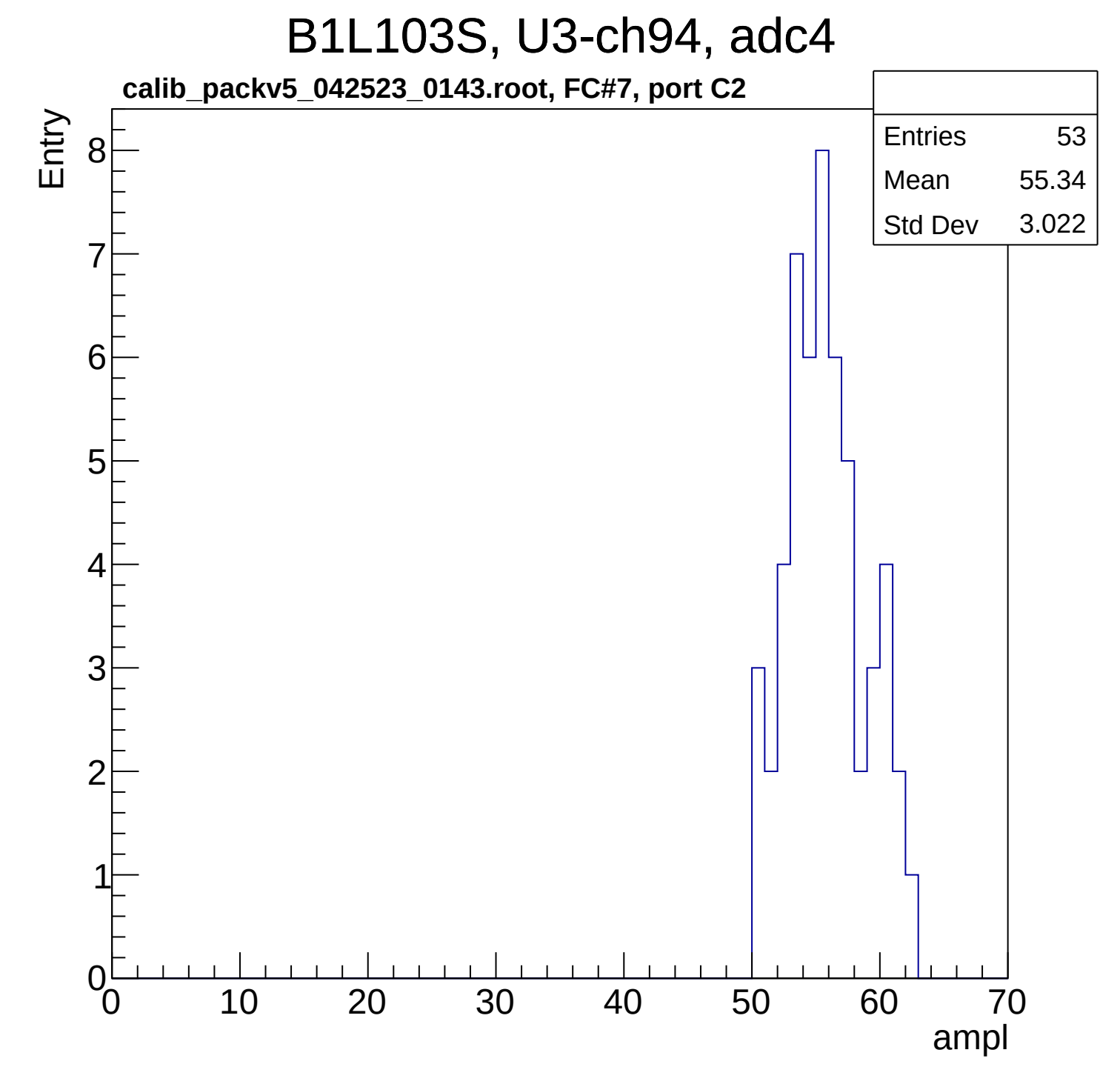

B1L103S, U3-ch94, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 49.43
Std Dev 2.792
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch94, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 55.34
Std Dev 3.022
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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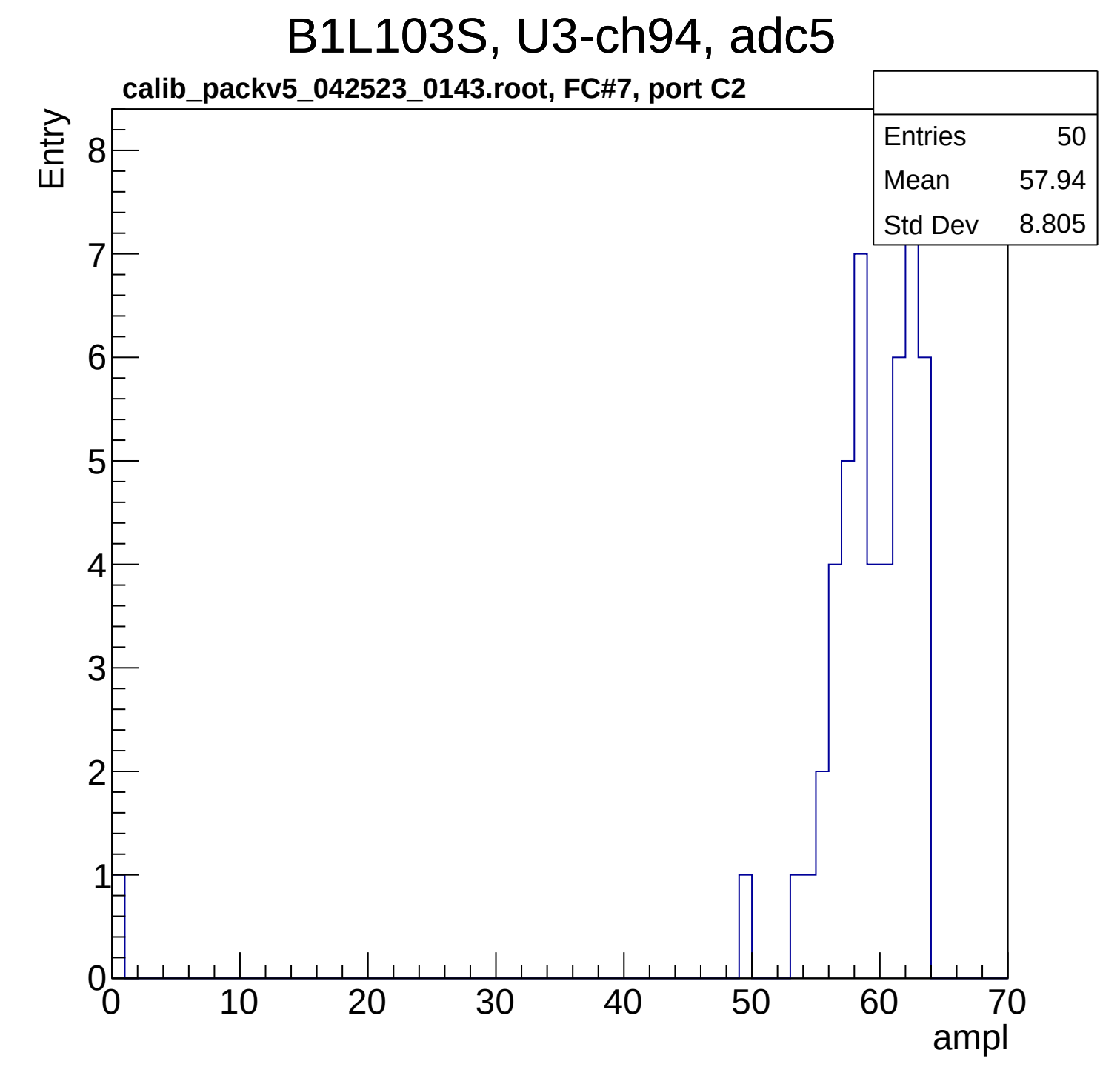
B1L103S, U3-ch94, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 57.94
Std Dev 8.805
Entry
ampl
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1
2
3
4
5
6
7
8
0
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60
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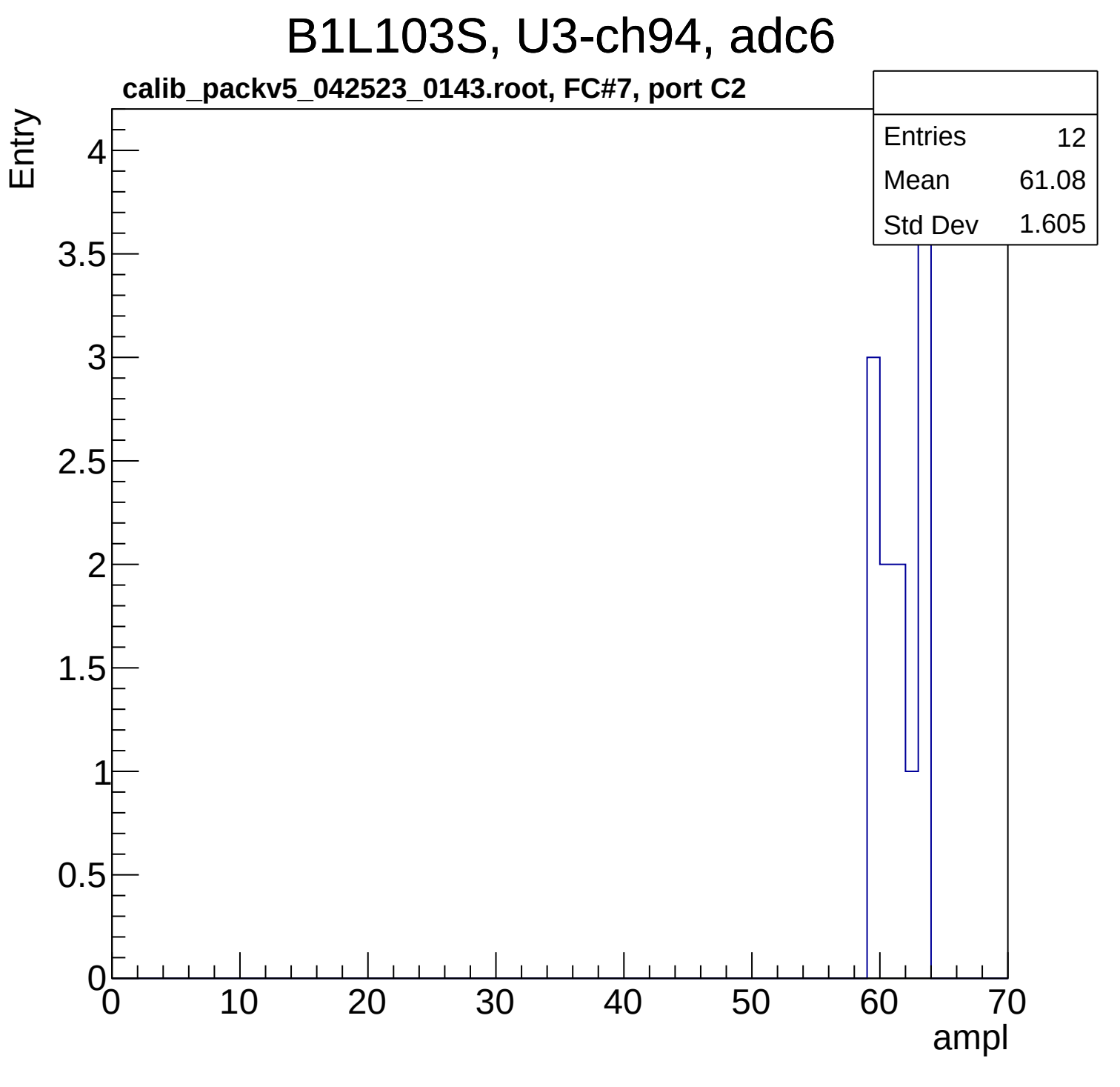
B1L103S, U3-ch94, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 61.08
Std Dev 1.605
Entry
ampl
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1.5
2
2.5
3
3.5
4
0
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20
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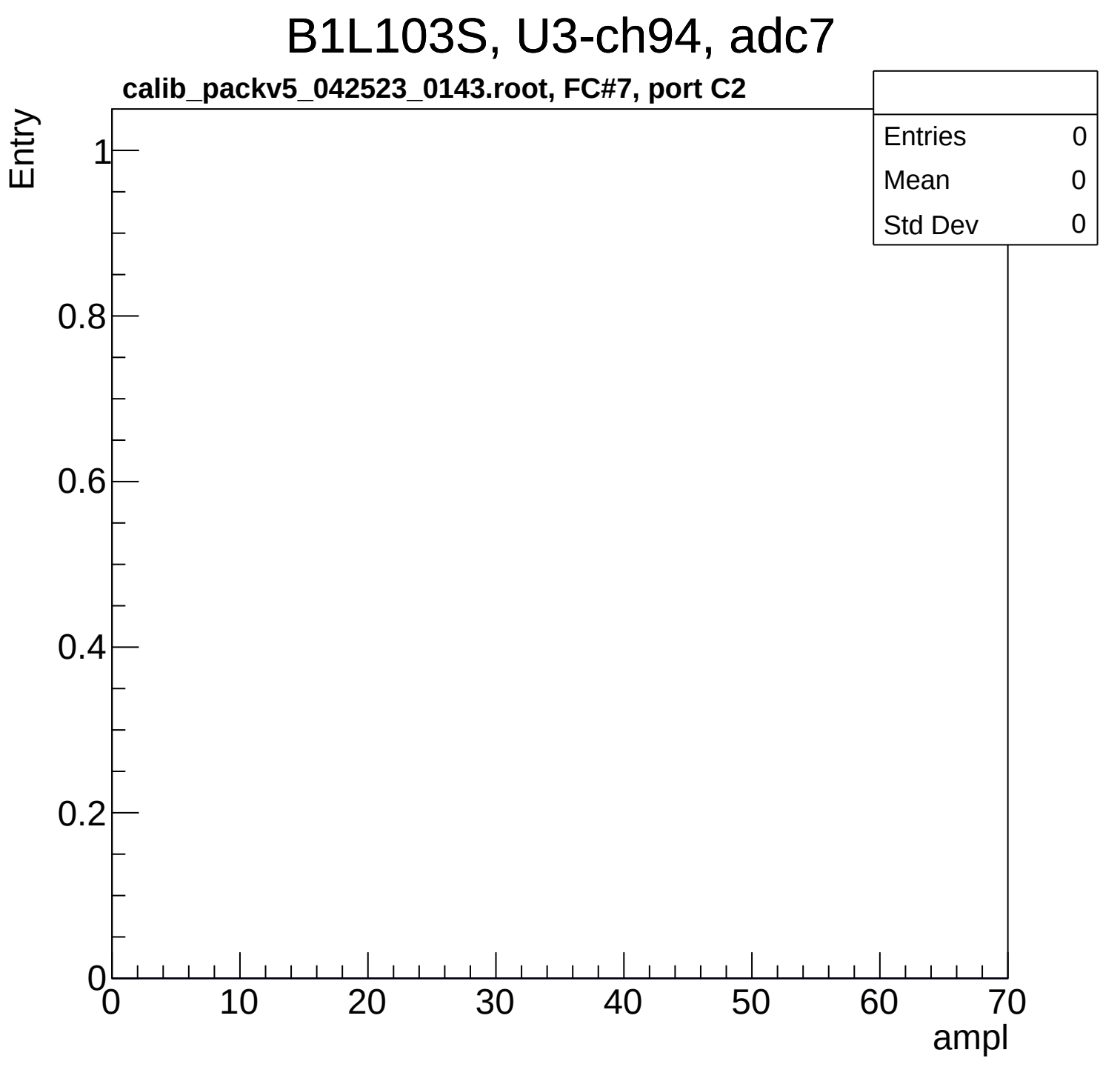
60
70


B1L103S, U3-ch94, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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0.8
0.6
0.4
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0
0
10
20
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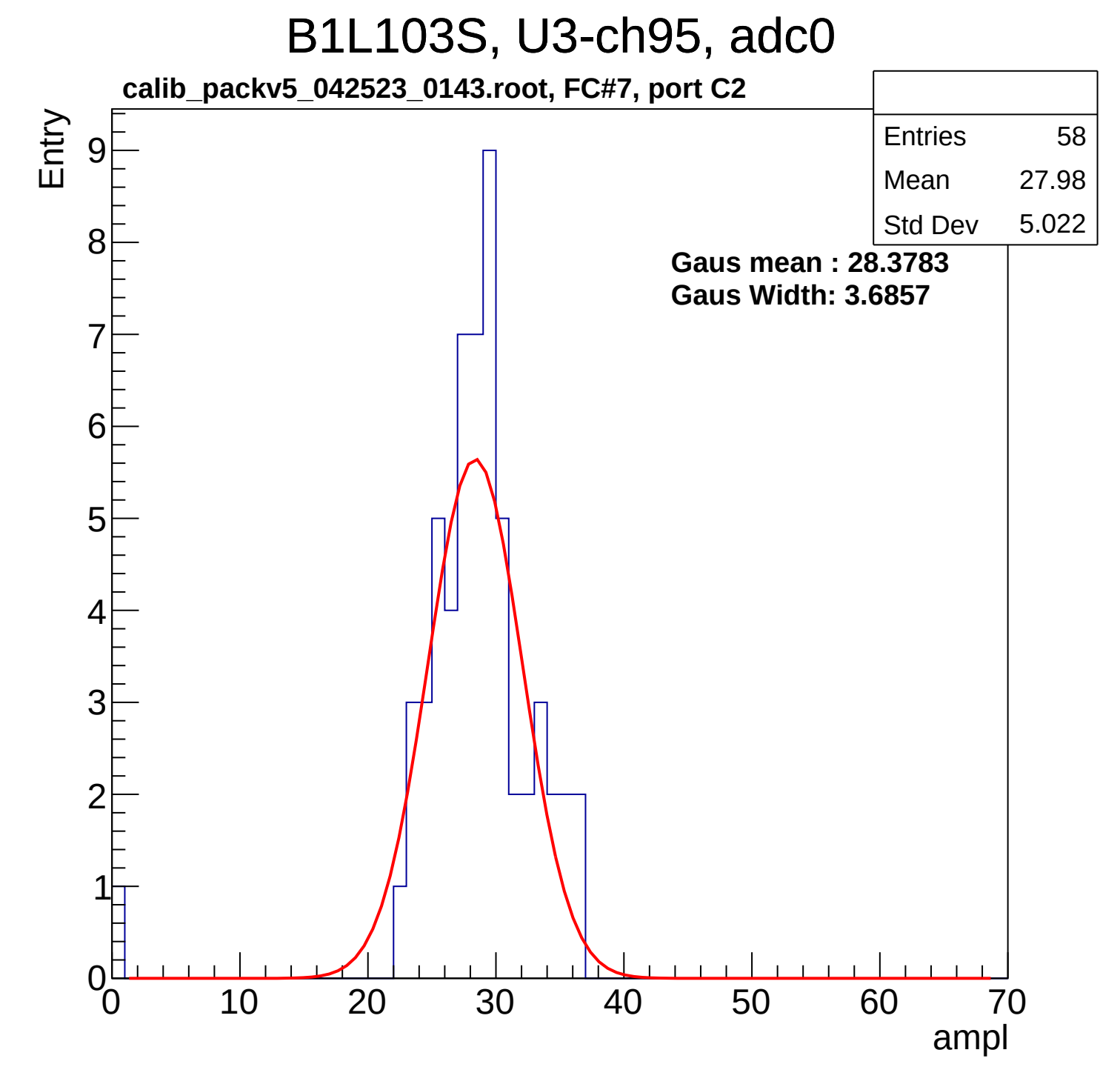
50
60
70
ampl


B1L103S, U3-ch95, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 27.98
Std Dev 5.022
Gaus mean : 28.3783
Gaus Width: 3.6857
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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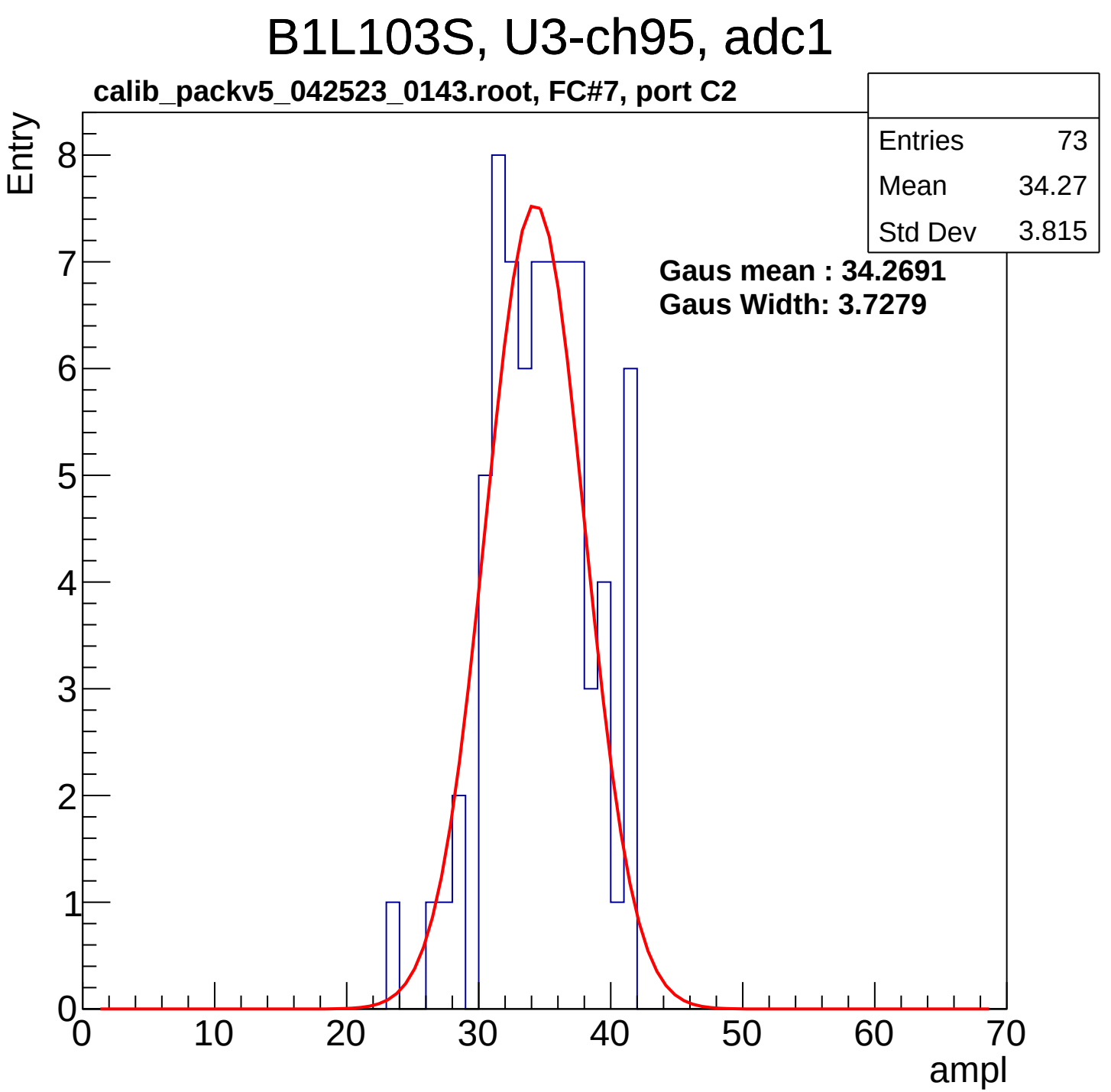
60
70


B1L103S, U3-ch95, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 34.27
Std Dev 3.815
Gaus mean : 34.2691
Gaus Width: 3.7279
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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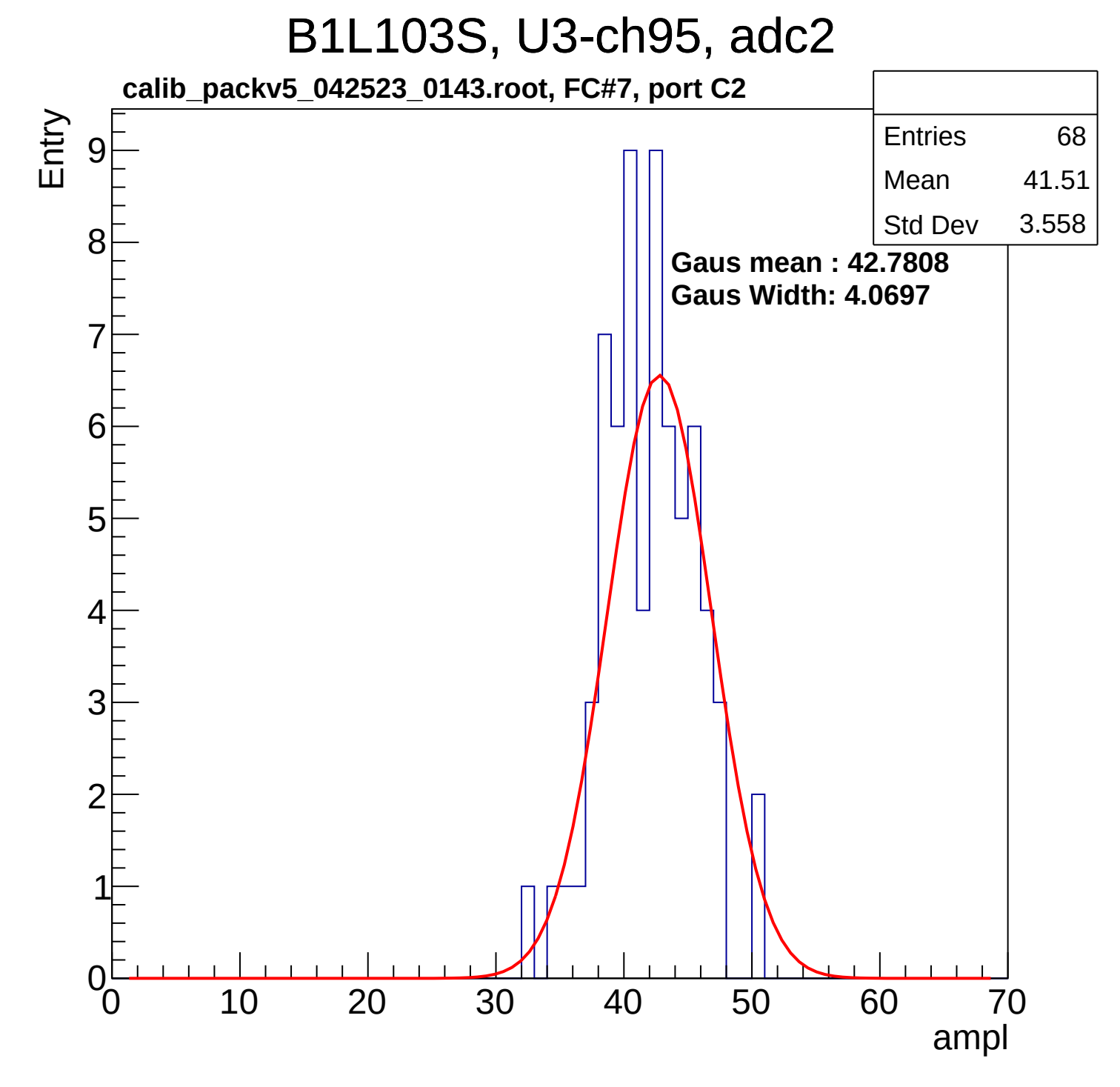
40
50
60
70


B1L103S, U3-ch95, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 41.51
Std Dev 3.558
Gaus mean : 42.7808
Gaus Width: 4.0697
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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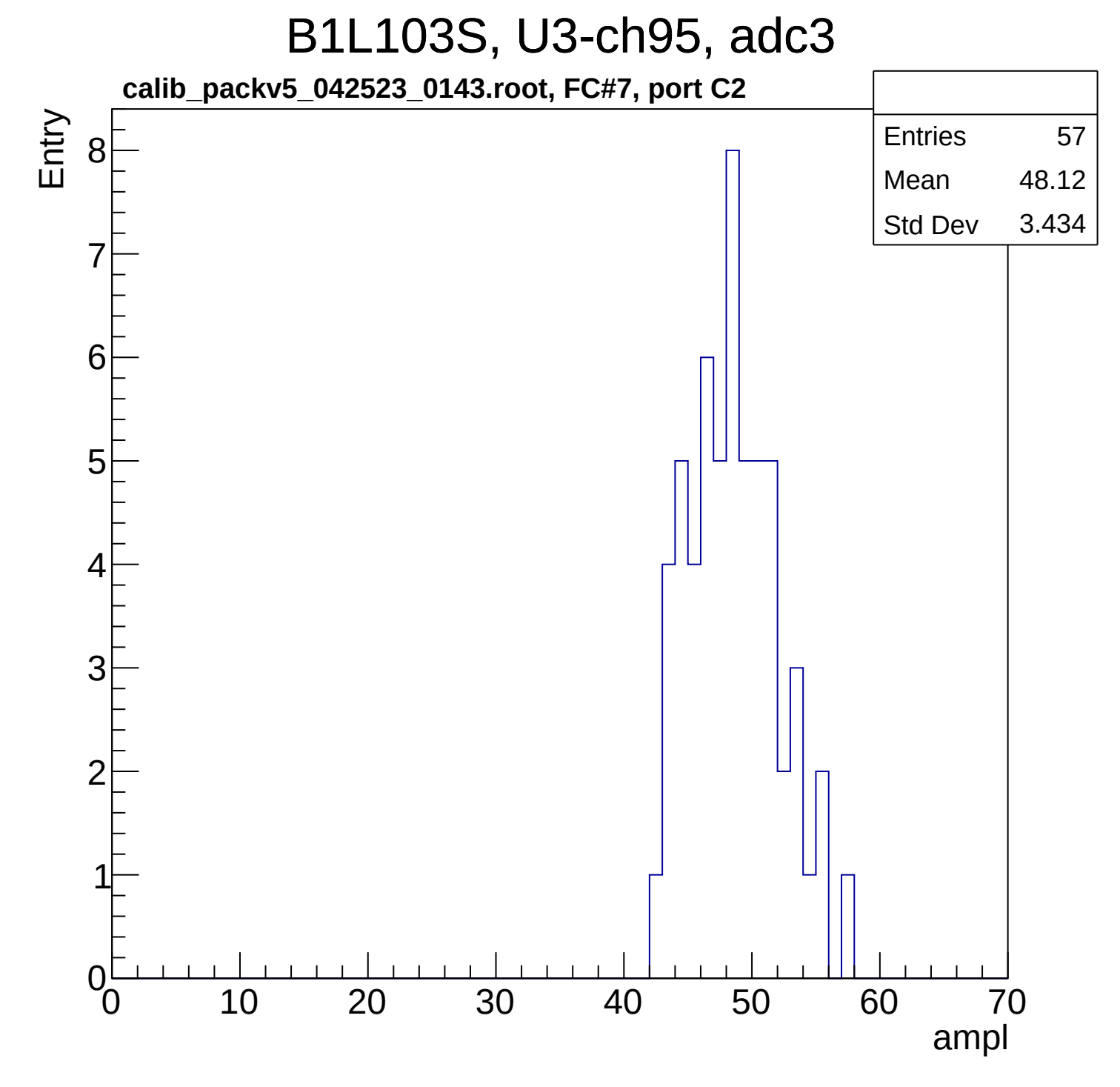
B1L103S, U3-ch95, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 48.12
Std Dev 3.434
Entry
ampl
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5
6
7
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0
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60
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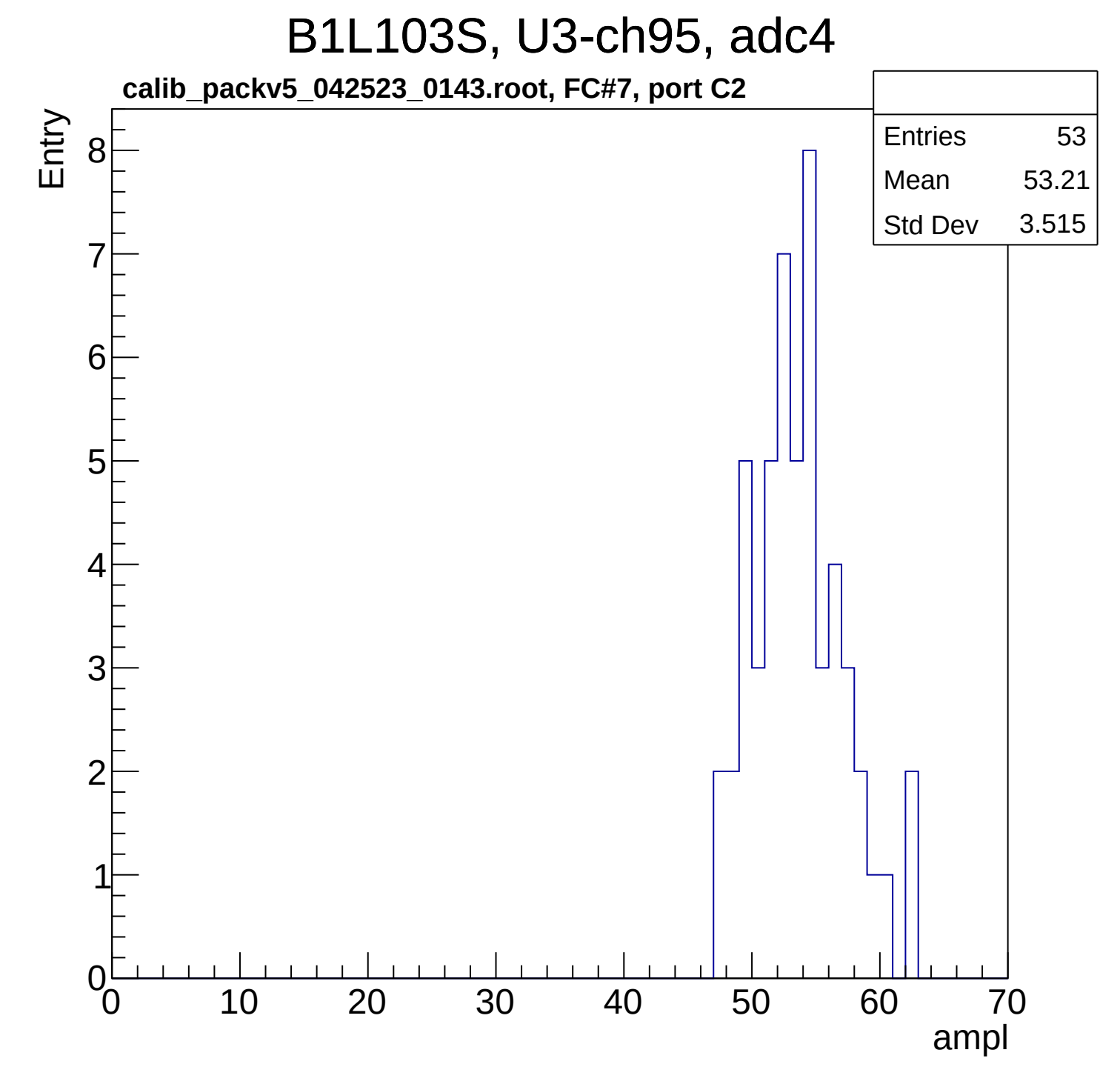
B1L103S, U3-ch95, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 53.21
Std Dev 3.515
Entry
ampl
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5
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0
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60
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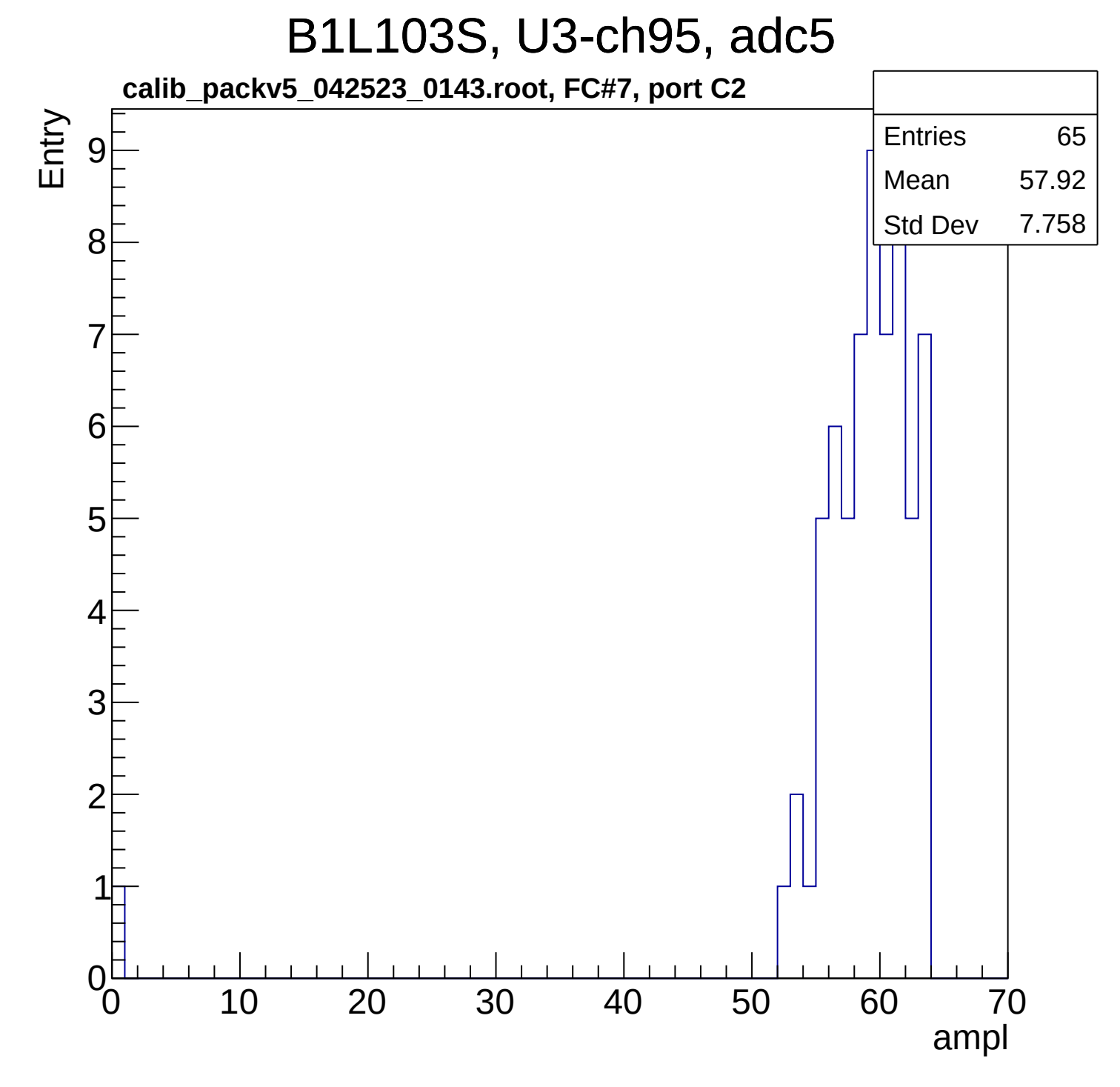
B1L103S, U3-ch95, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 57.92
Std Dev 7.758
Entry
ampl
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2
3
4
5
6
7
8
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0
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40
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60
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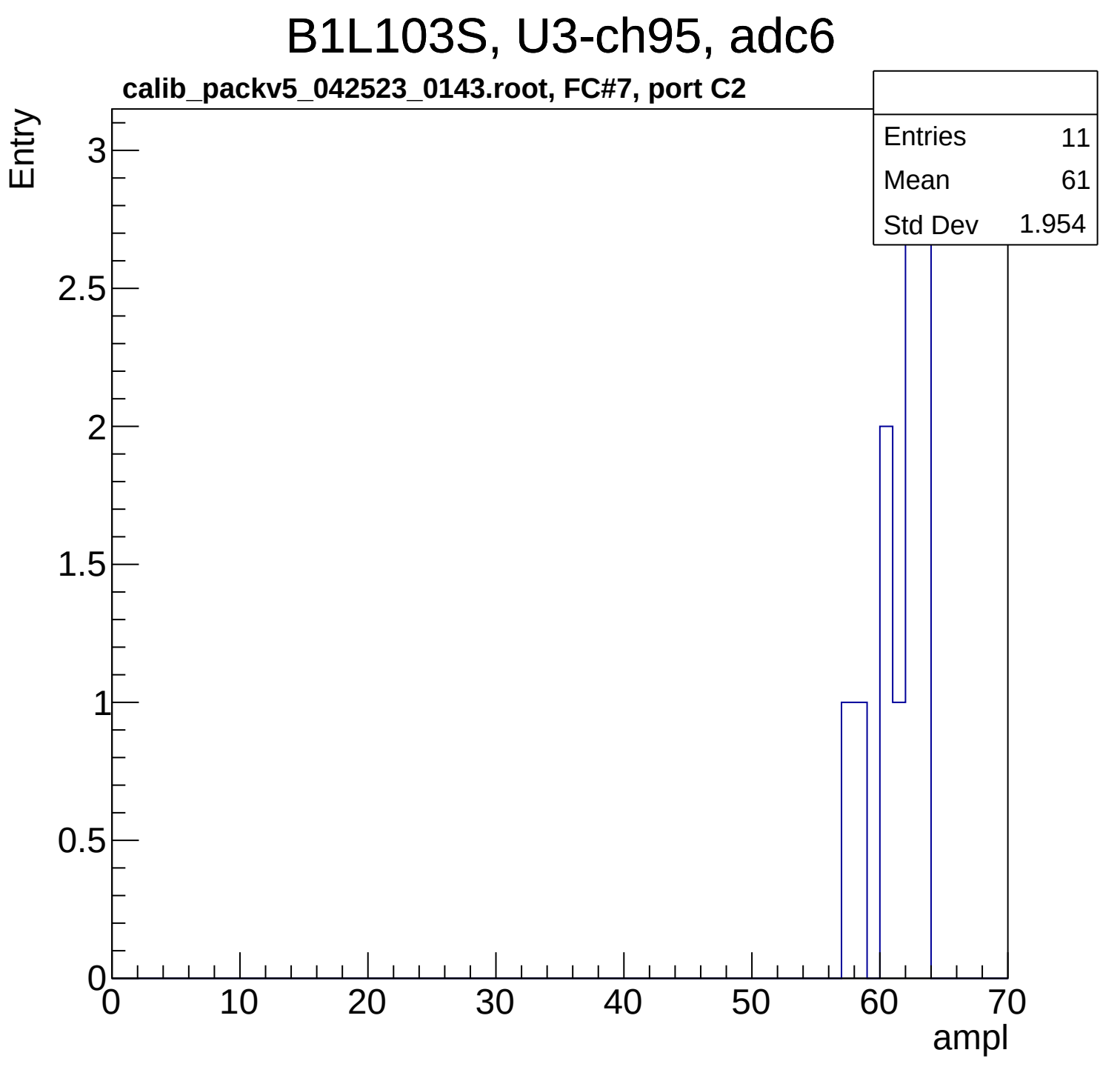
B1L103S, U3-ch95, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 61
Std Dev 1.954
Entry
0
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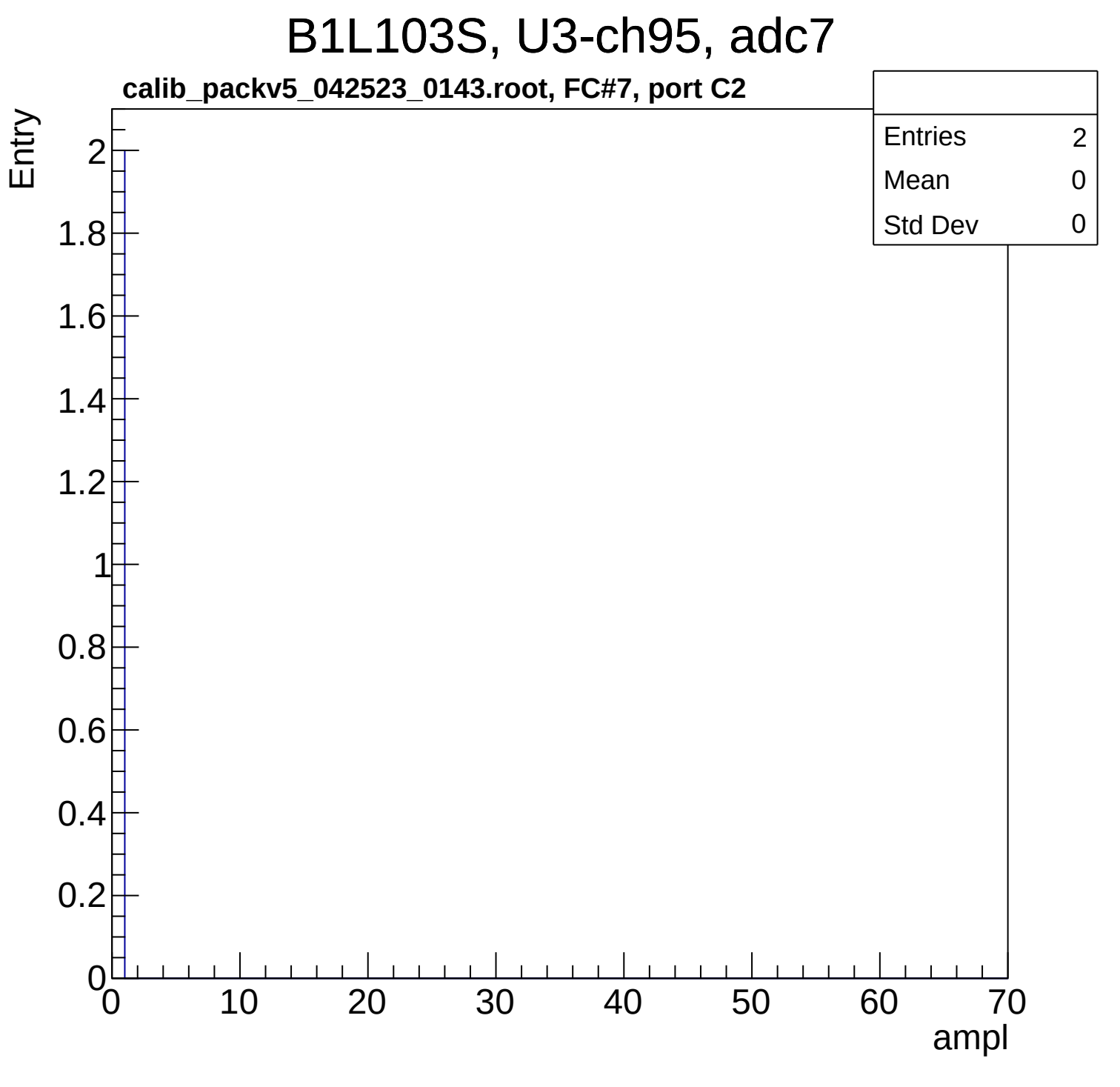
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch95, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 0
Std Dev 0
Entry
ampl
0
0.2
0.4
0.6
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1
1.2
1.4
1.6
1.8
2
0
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20
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40
50
60
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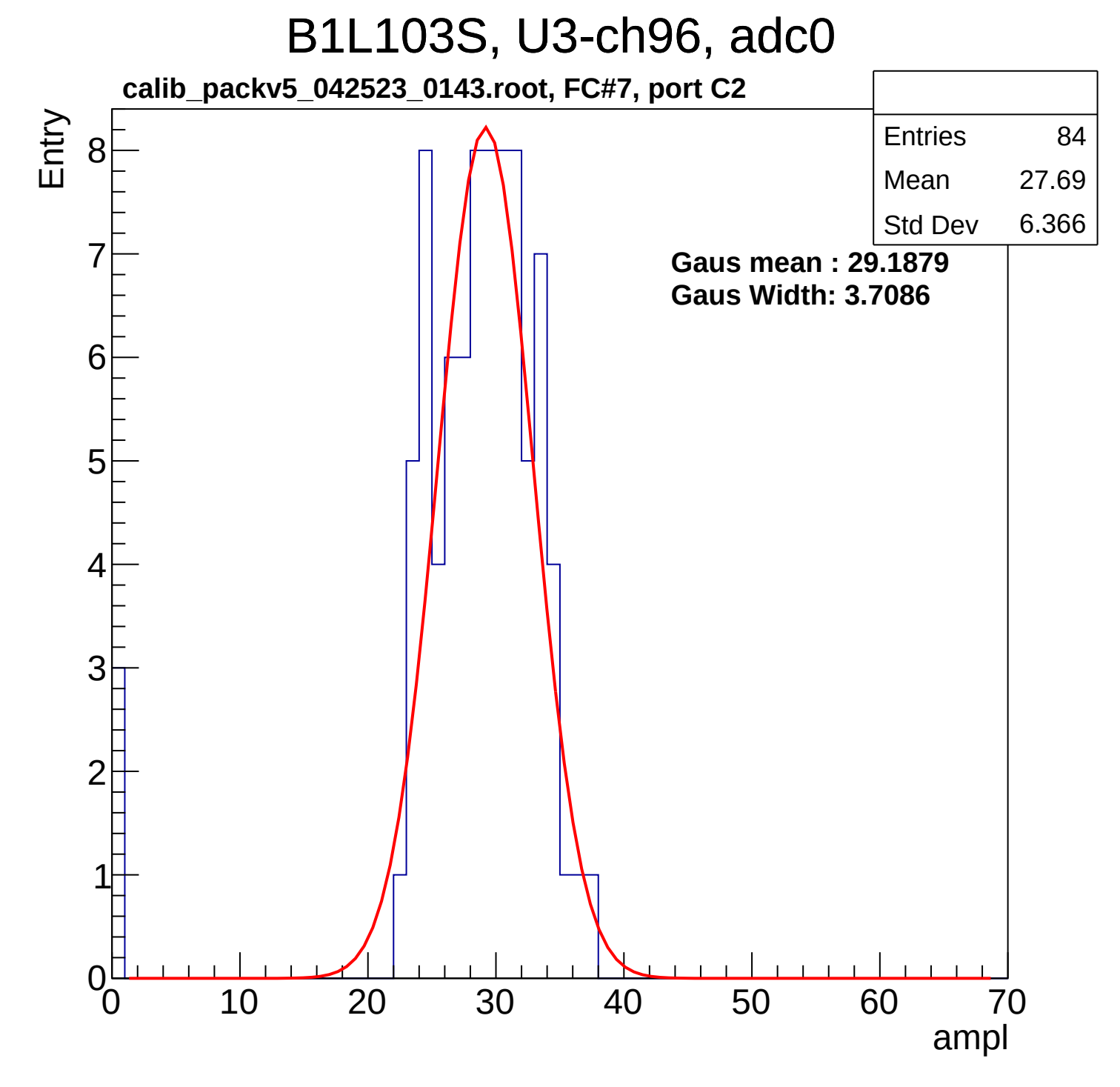
B1L103S, U3-ch96, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 27.69
Std Dev 6.366
Gaus mean : 29.1879
Gaus Width: 3.7086
Entry
ampl
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1
2
3
4
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6
7
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0
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20
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40
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60
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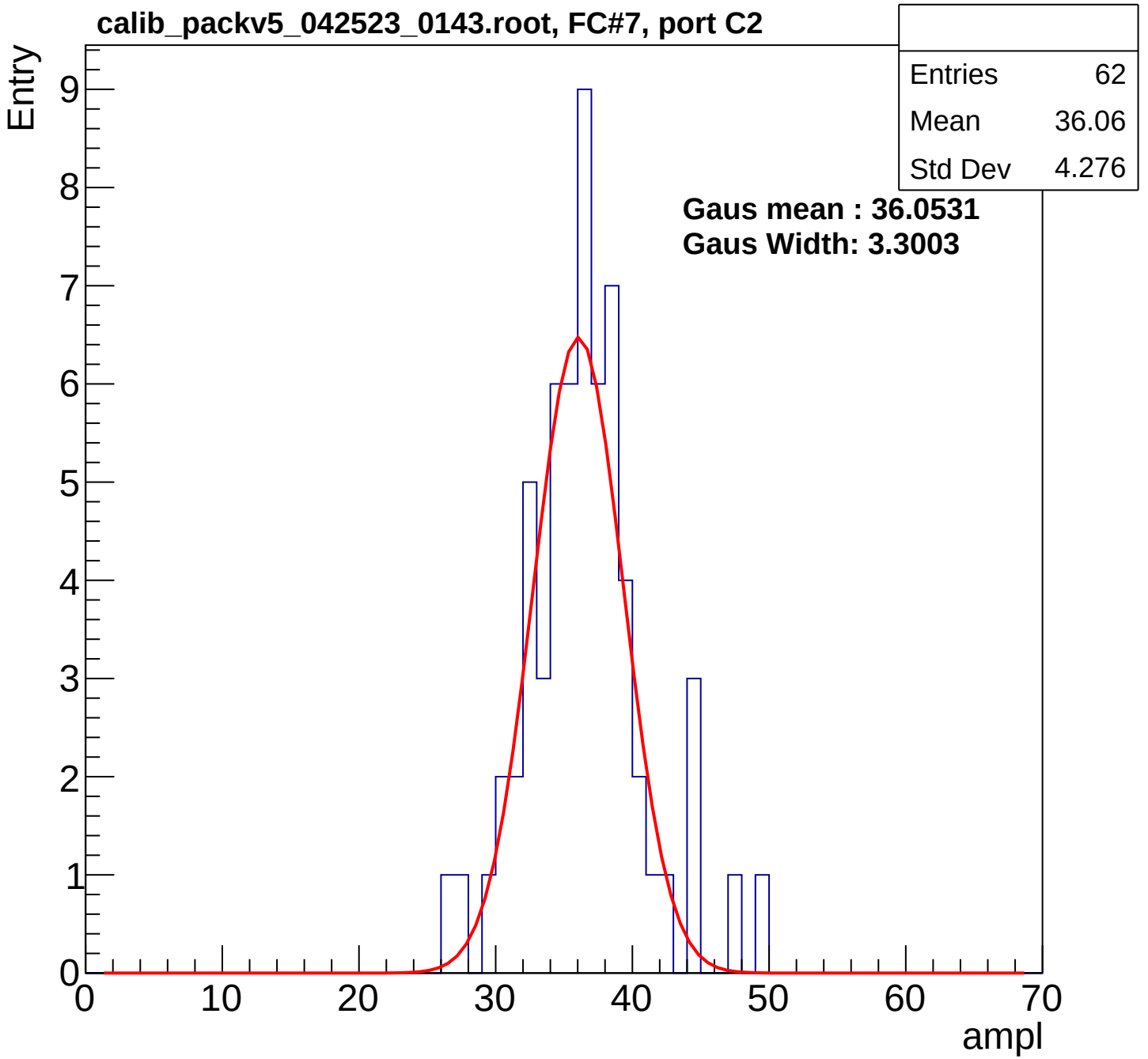
B1L103S, U3-ch96, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 36.06
Std Dev 4.276
Gaus mean : 36.0531
Gaus Width: 3.3003
Entry
ampl
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2
3
4
5
6
7
8
9
0
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60
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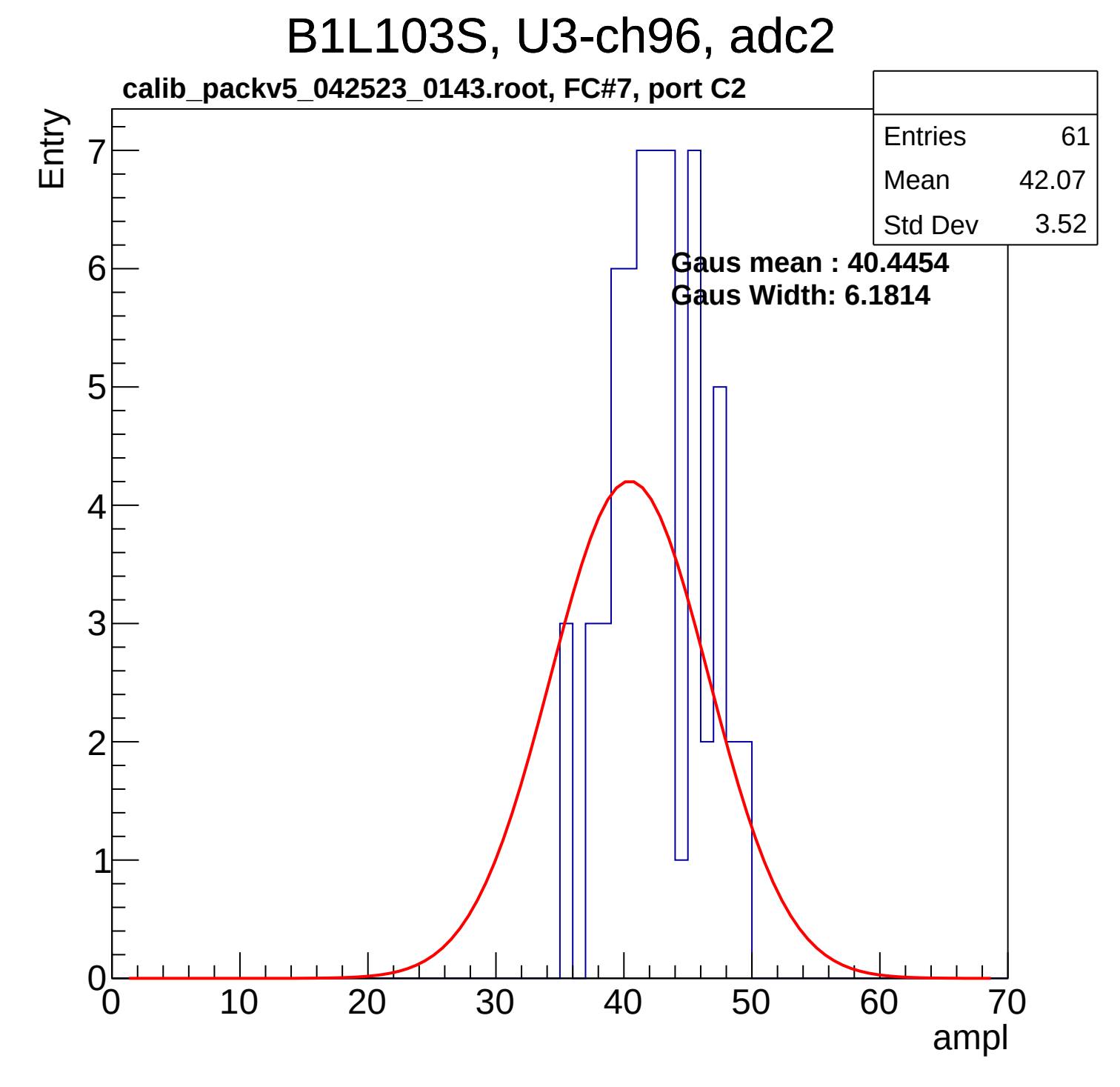
B1L103S, U3-ch96, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 42.07
Std Dev 3.52
Gaus mean : 40.4454
Gaus Width: 6.1814
Entry
ampl
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2
3
4
5
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7
0
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40
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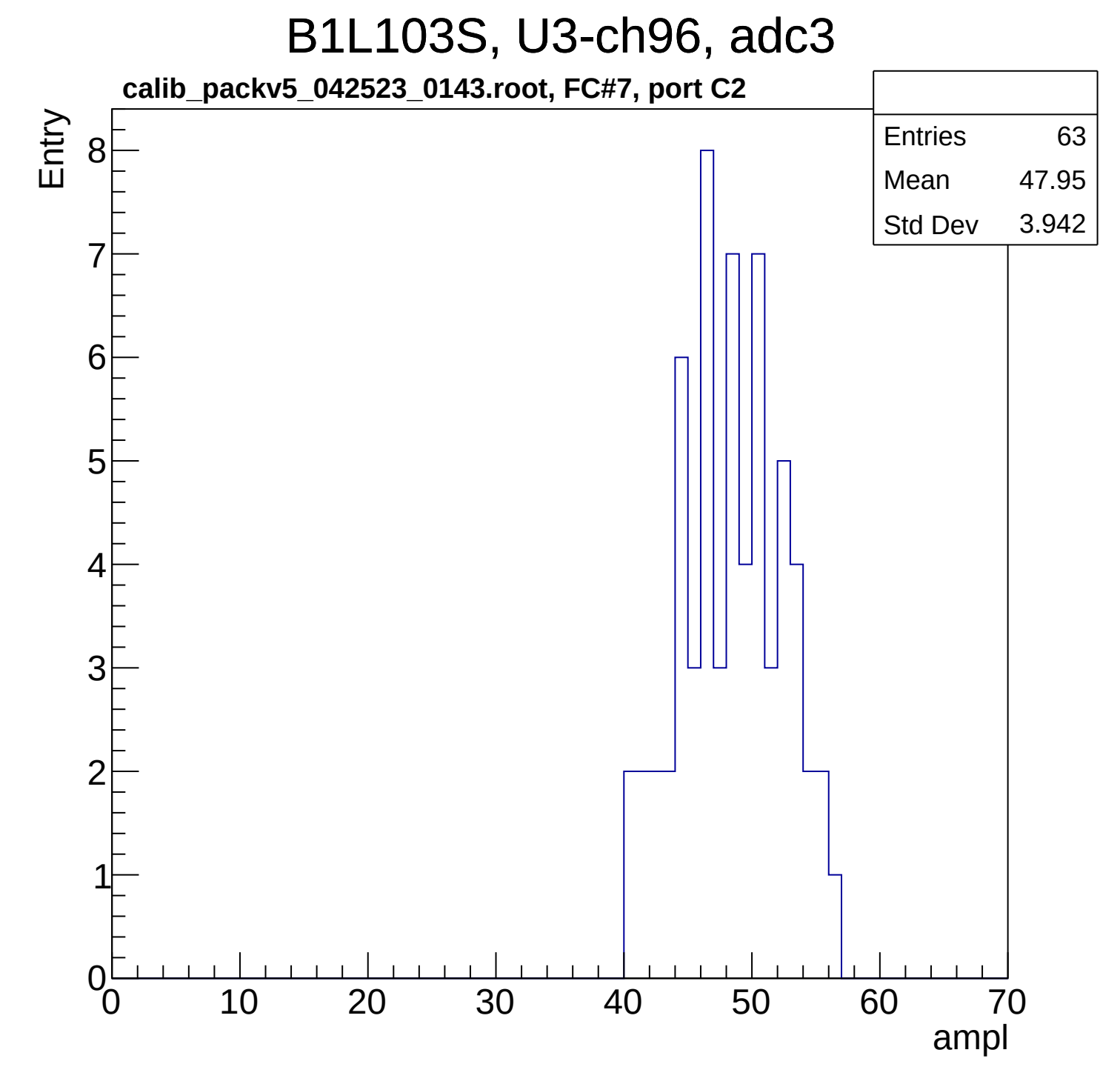
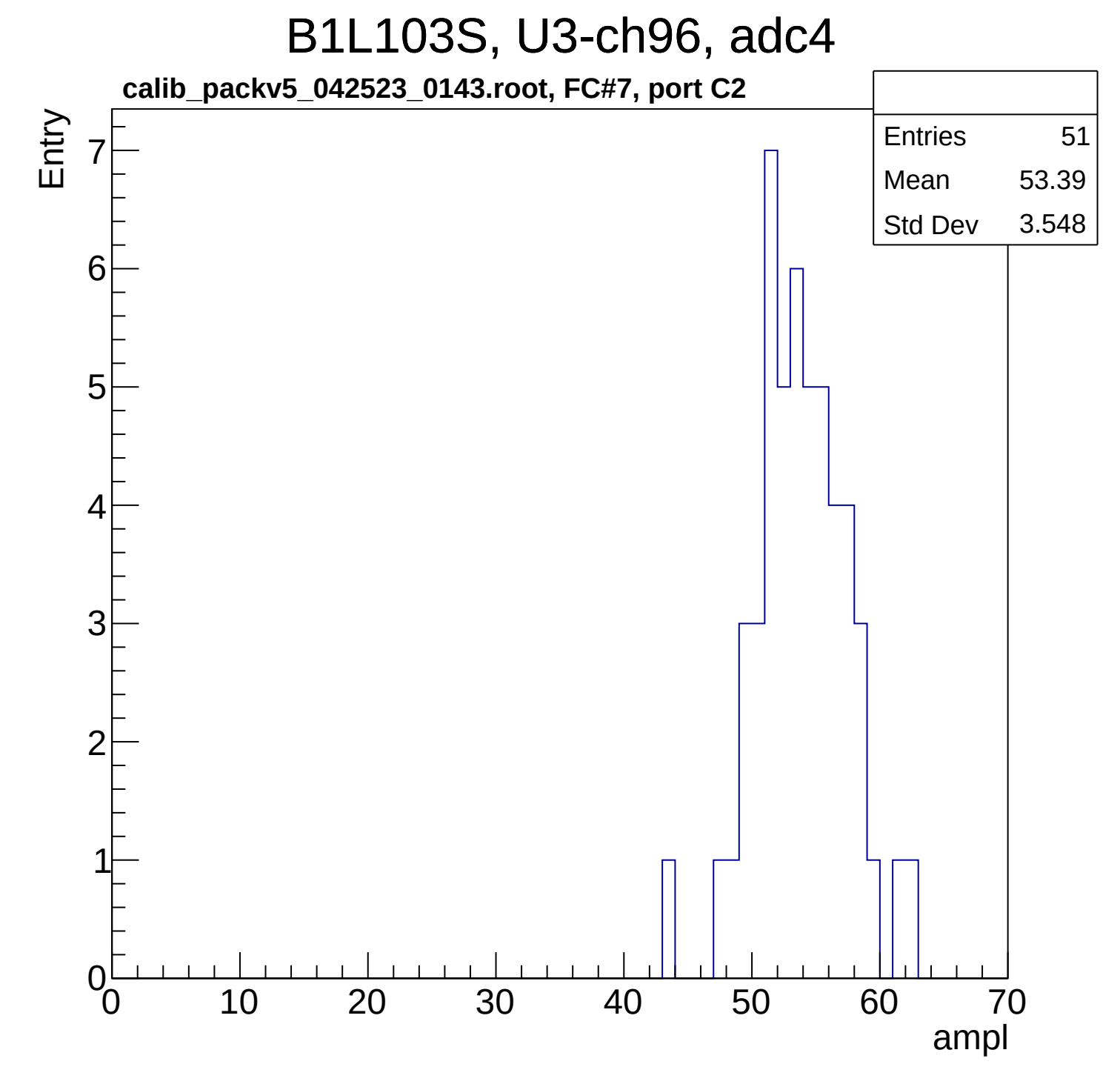

B1L103S, U3-ch96, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 47.95
Std Dev 3.942
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch96, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 53.39
Std Dev 3.548
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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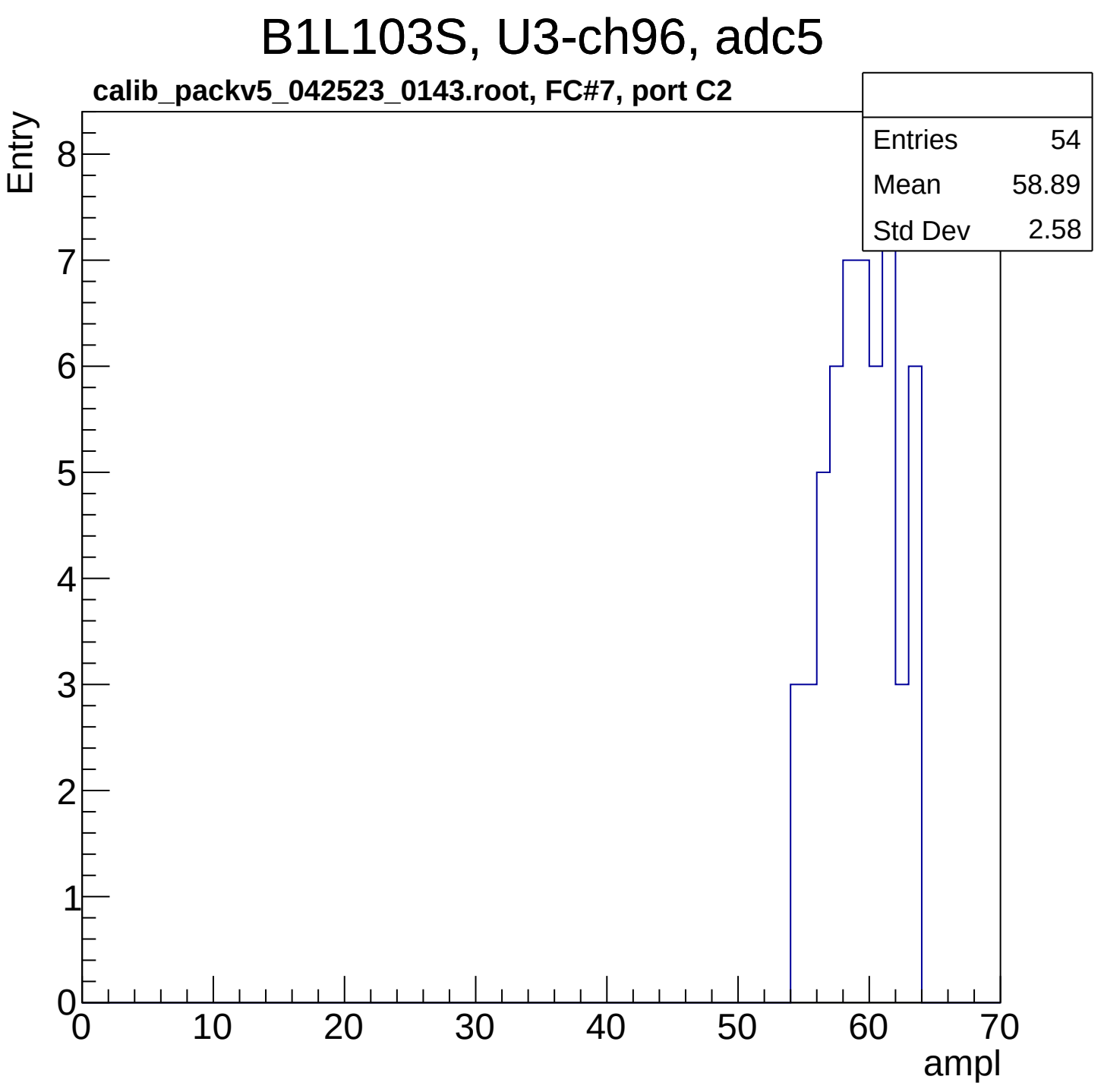
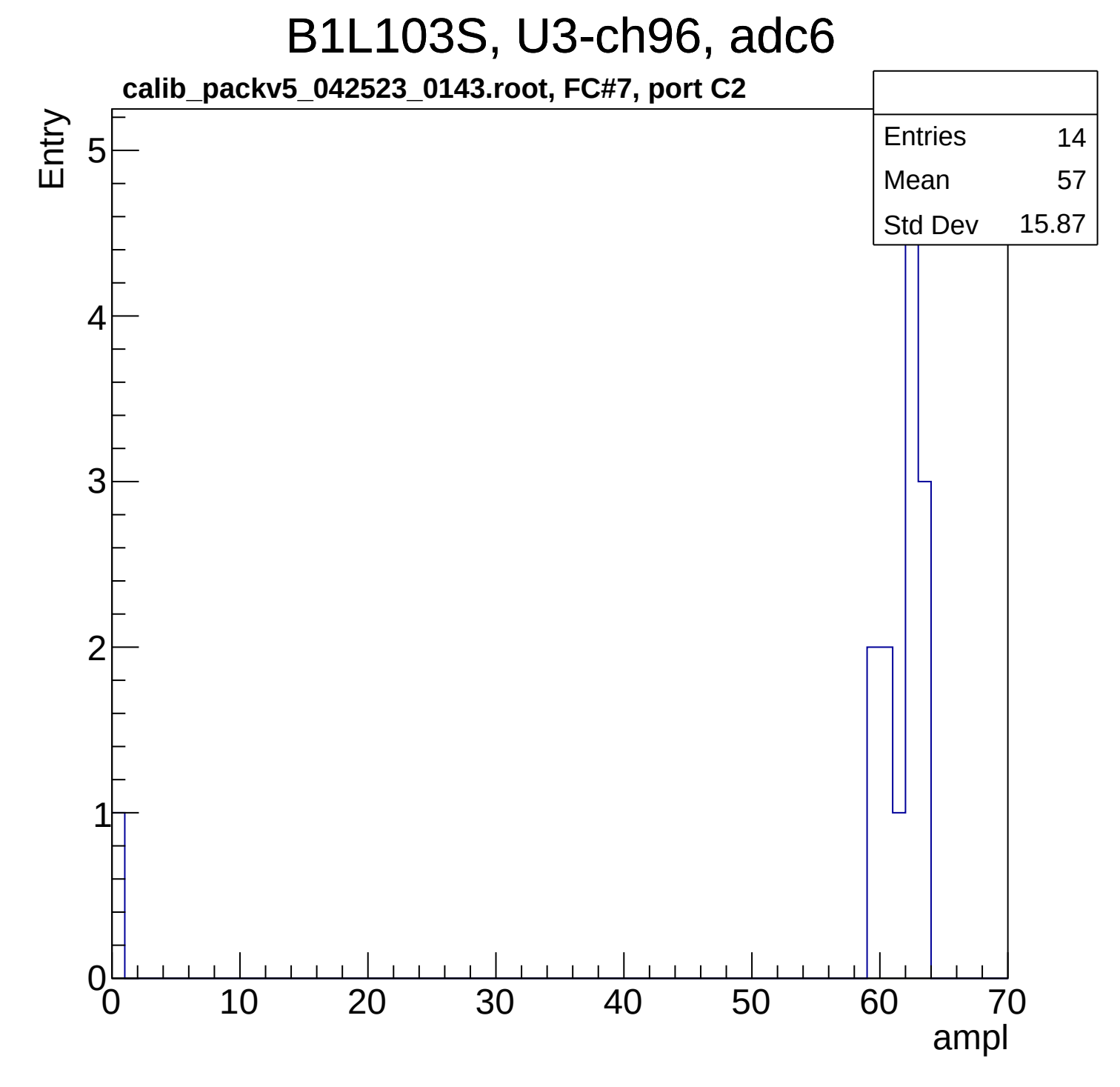
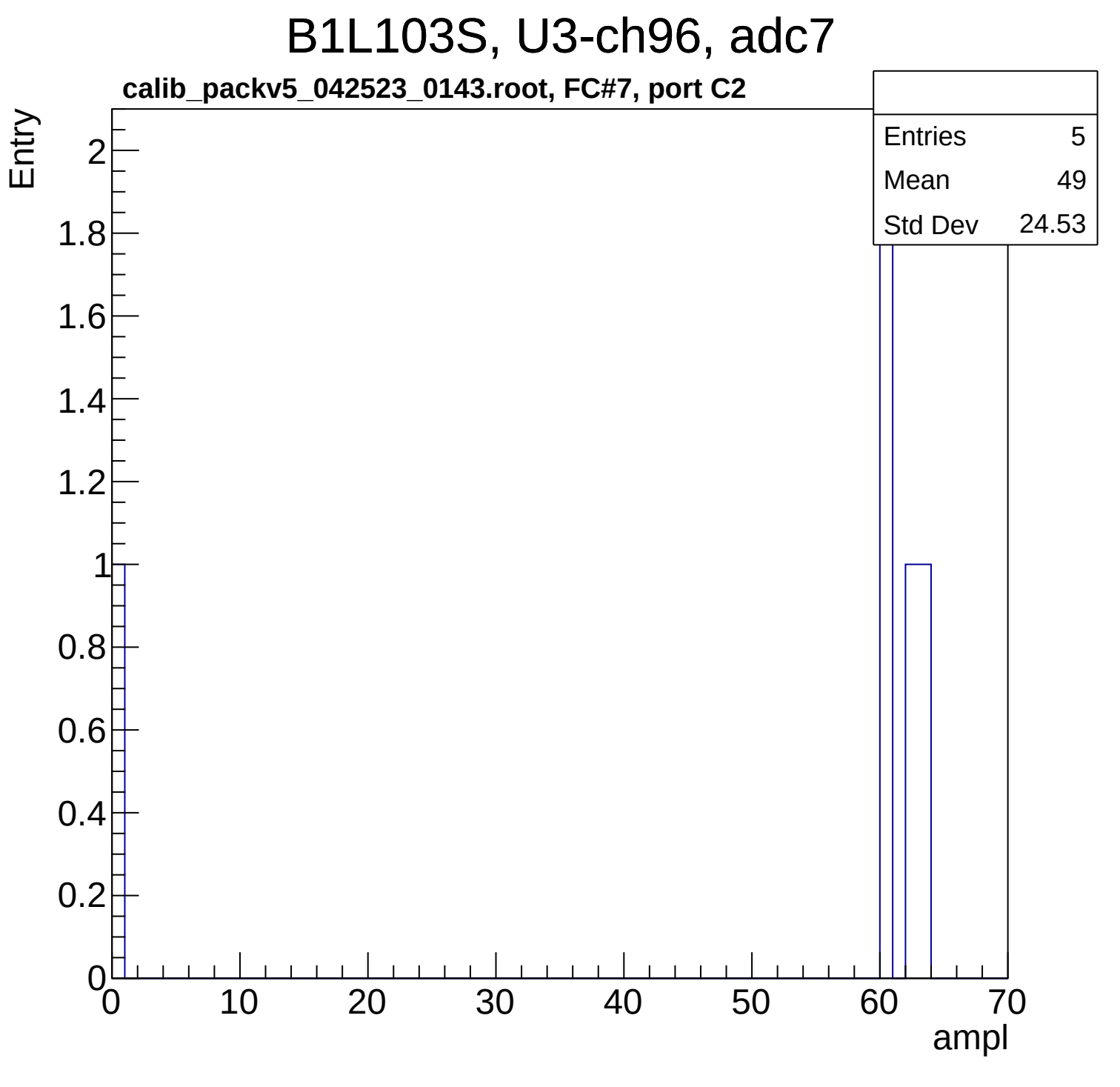

B1L103S, U3-ch96, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.89
Std Dev 2.58
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch96, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 57
Std Dev 15.87
Entry
0
1
2
3
4
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch96, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 49
Std Dev 24.53
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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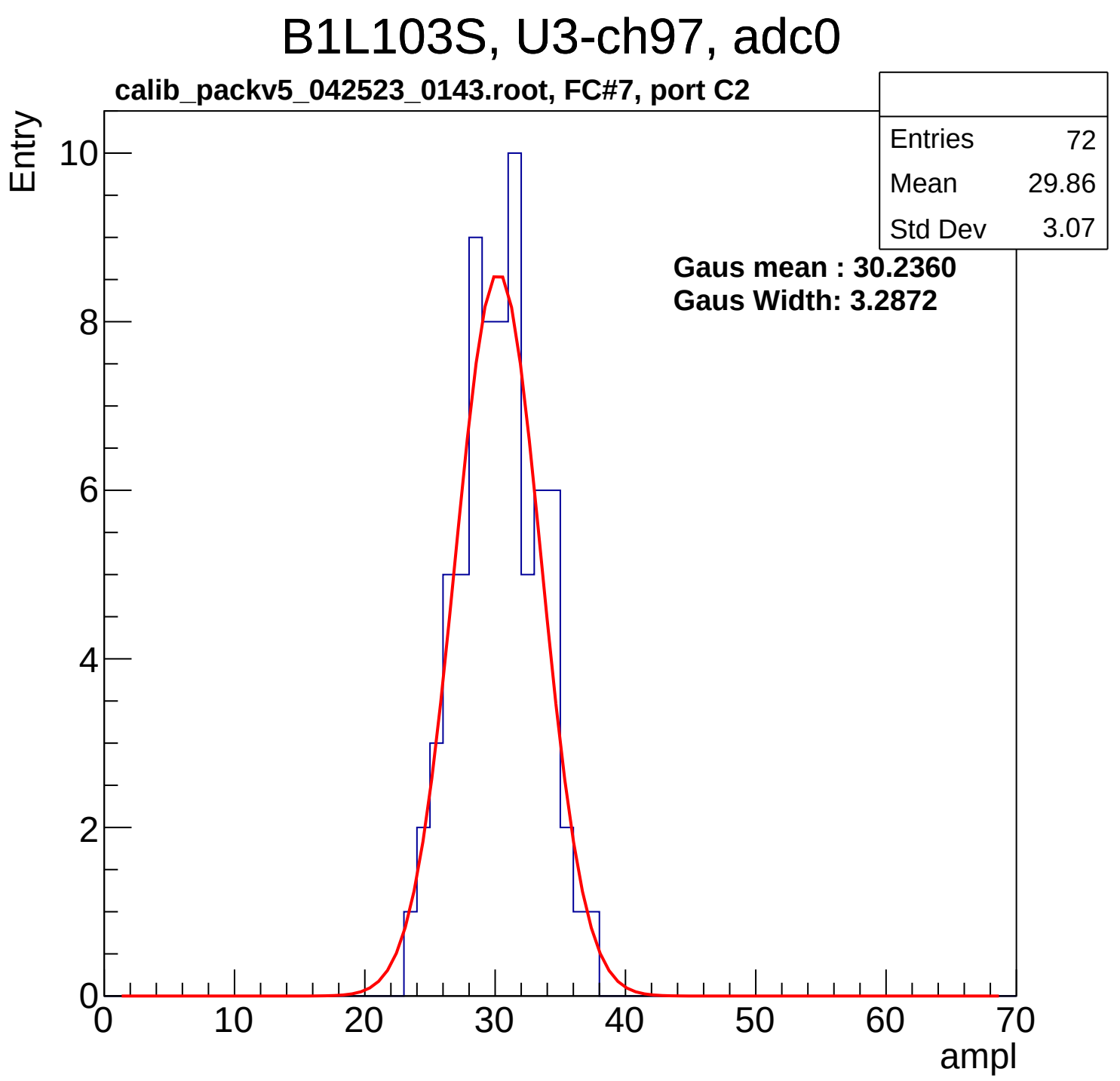
B1L103S, U3-ch97, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.86
Std Dev 3.07
Gaus mean : 30.2360
Gaus Width: 3.2872
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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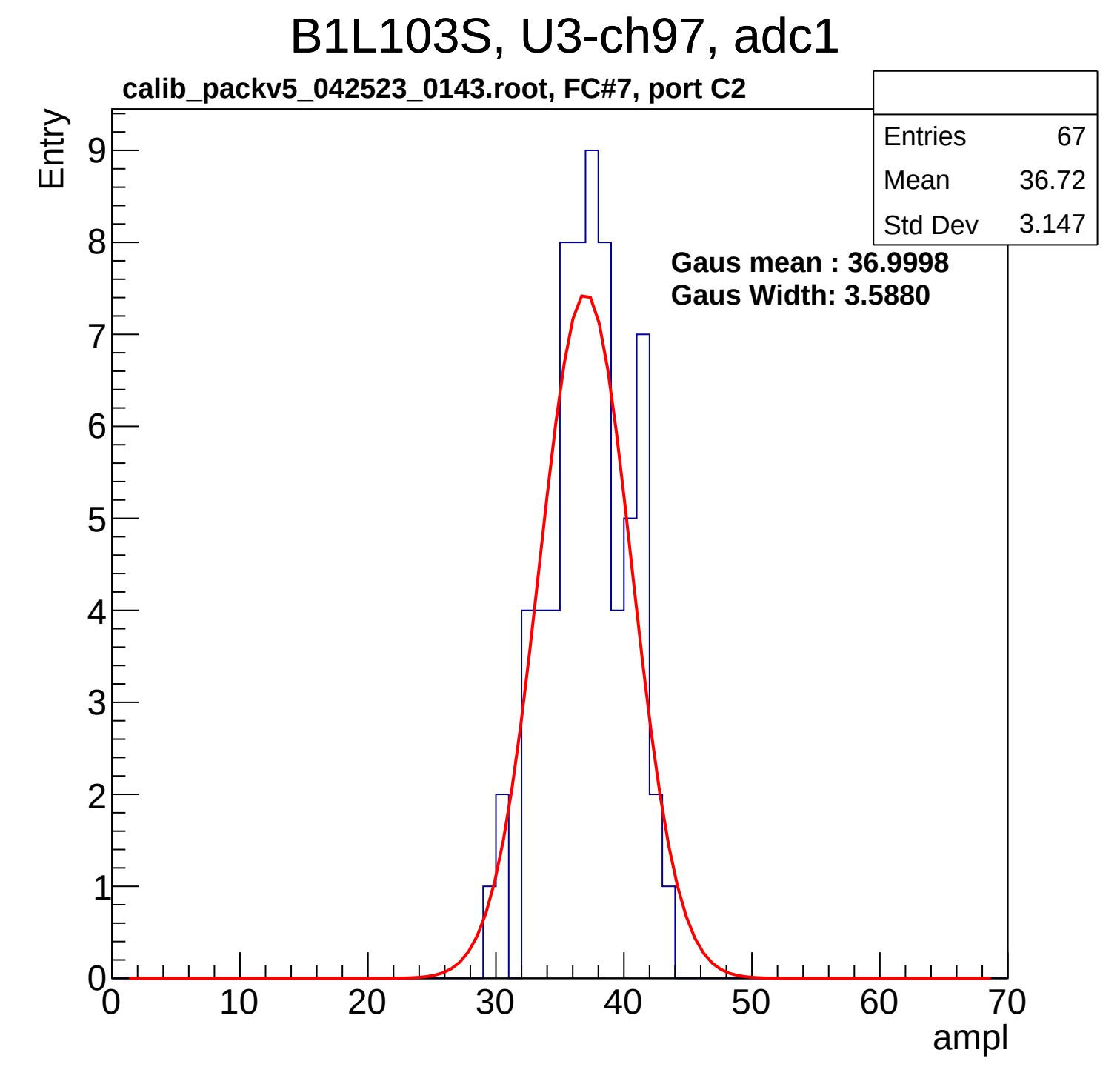
B1L103S, U3-ch97, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 36.72
Std Dev 3.147
Gaus mean : 36.9998
Gaus Width: 3.5880
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
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20
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40
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60
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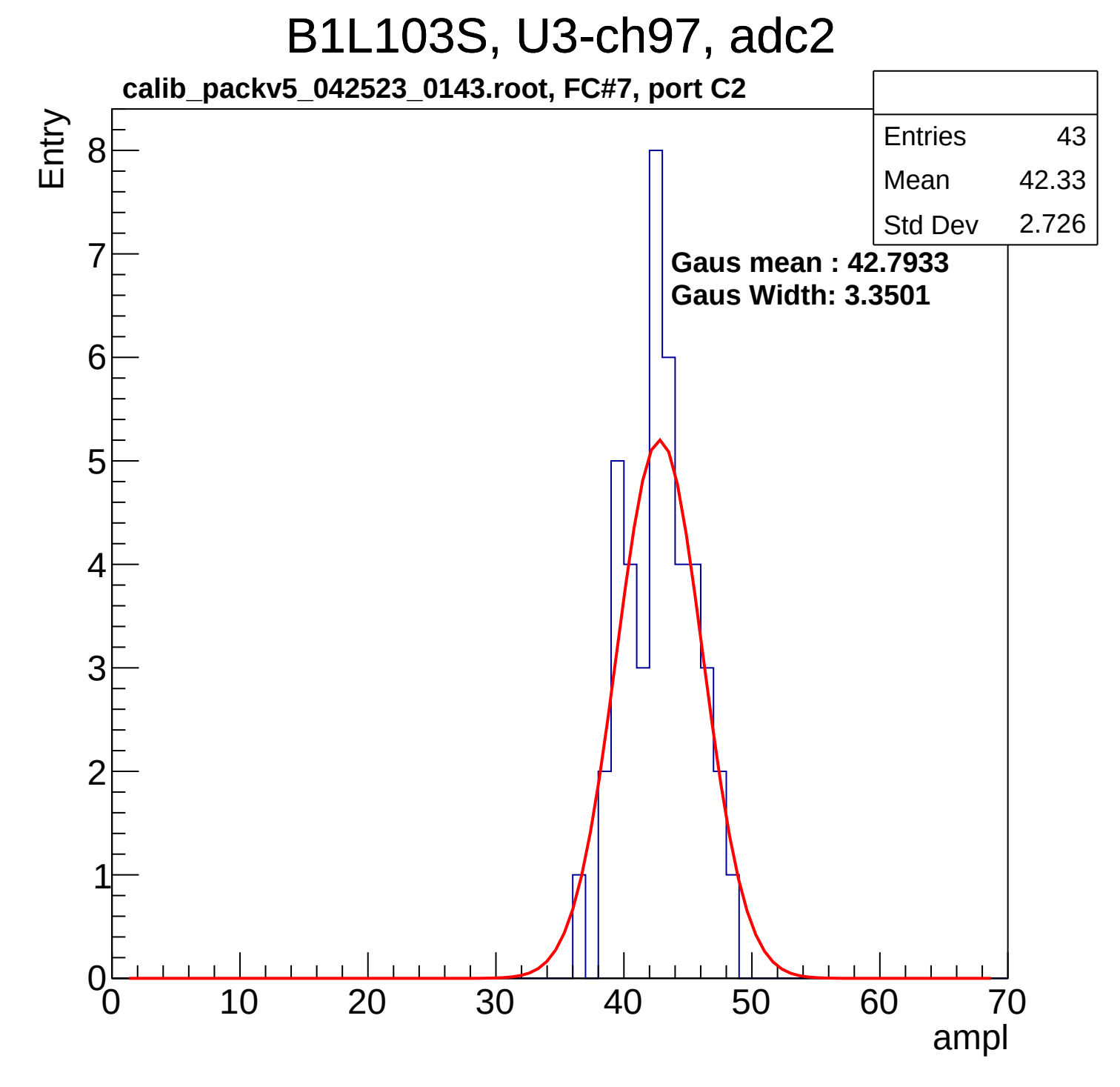
B1L103S, U3-ch97, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 43
Mean 42.33
Std Dev 2.726
Gaus mean : 42.7933
Gaus Width: 3.3501
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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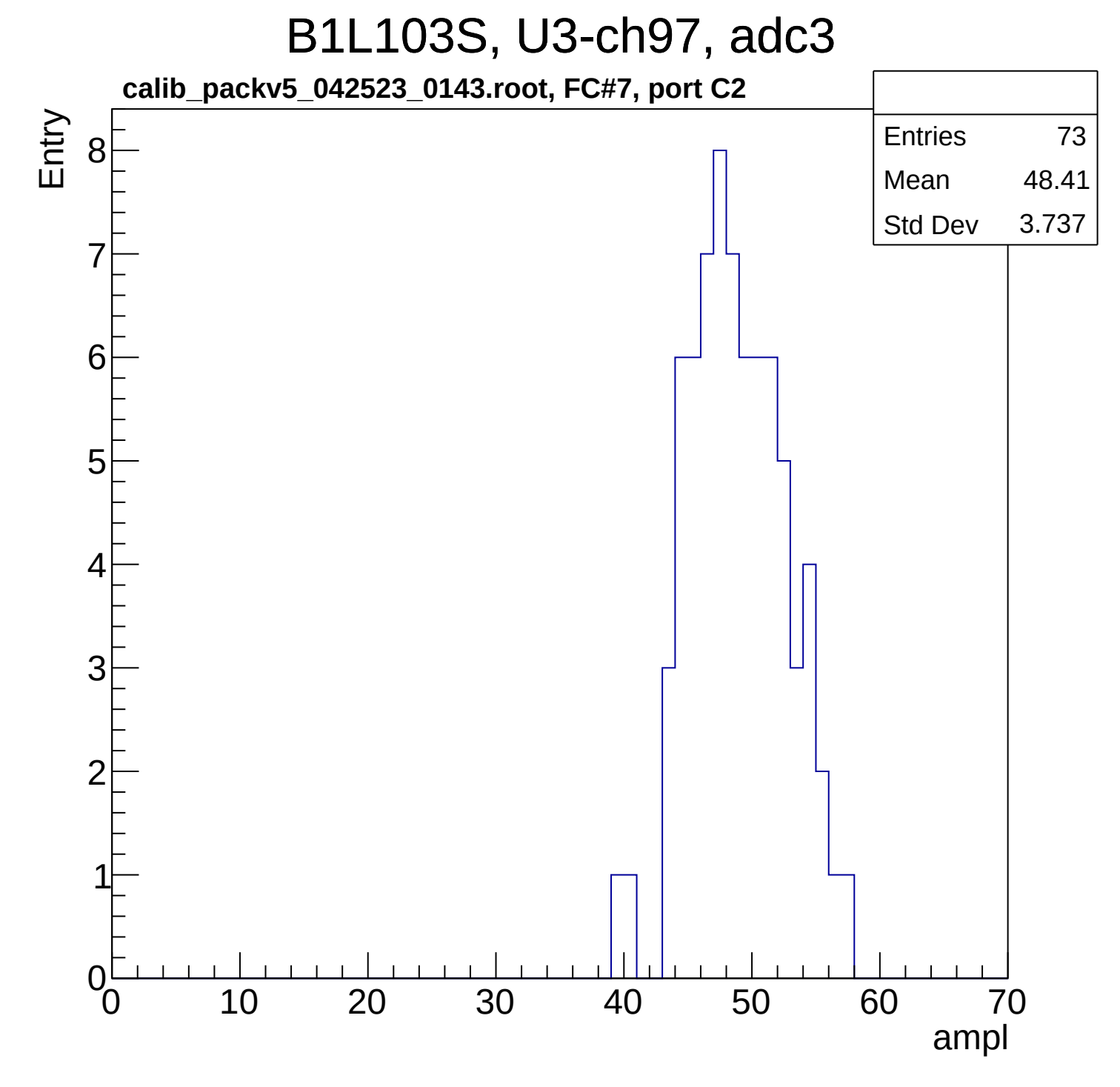
B1L103S, U3-ch97, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 48.41
Std Dev 3.737
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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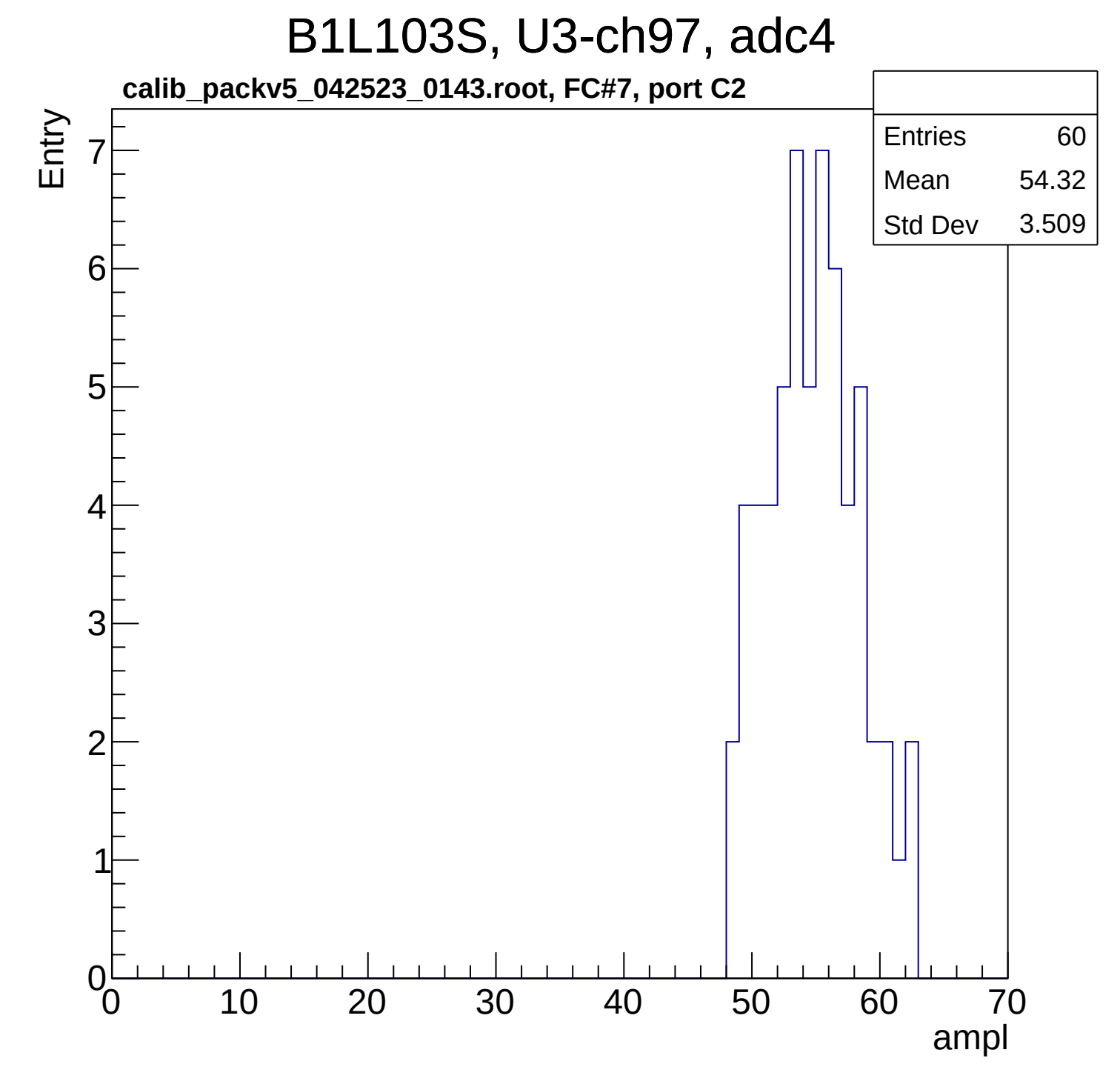
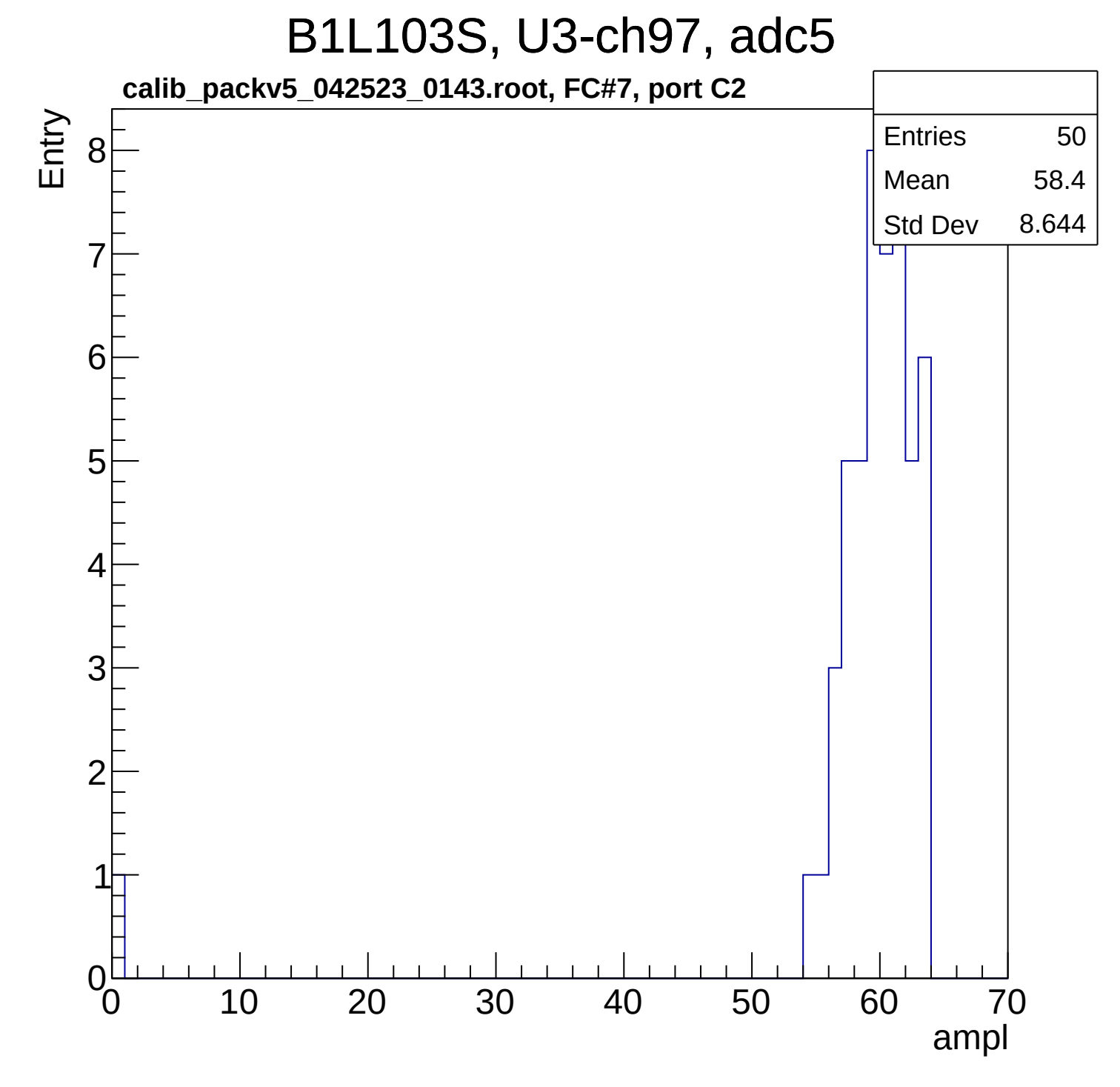

B1L103S, U3-ch97, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 54.32
Std Dev 3.509
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch97, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 58.4
Std Dev 8.644
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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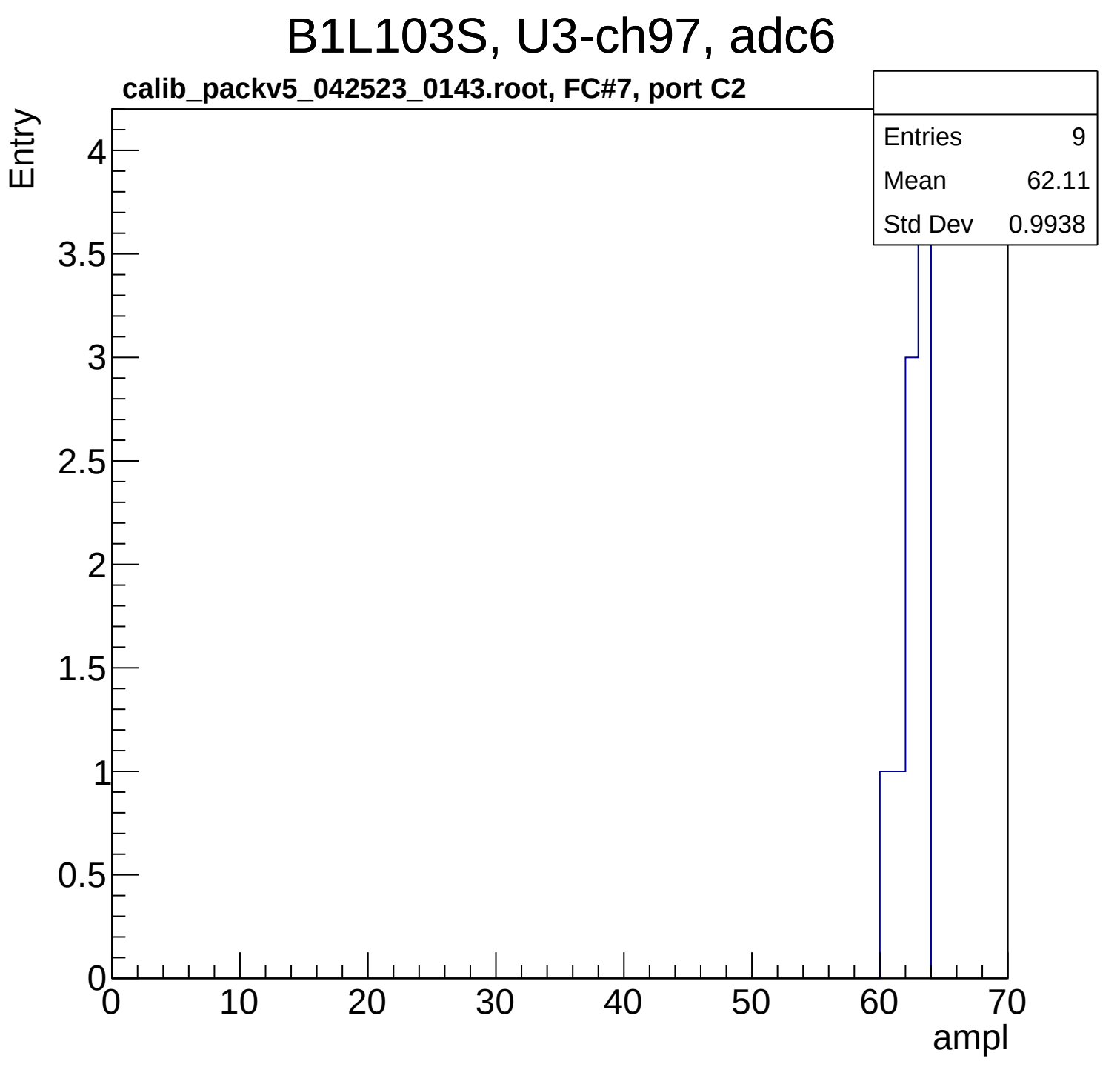
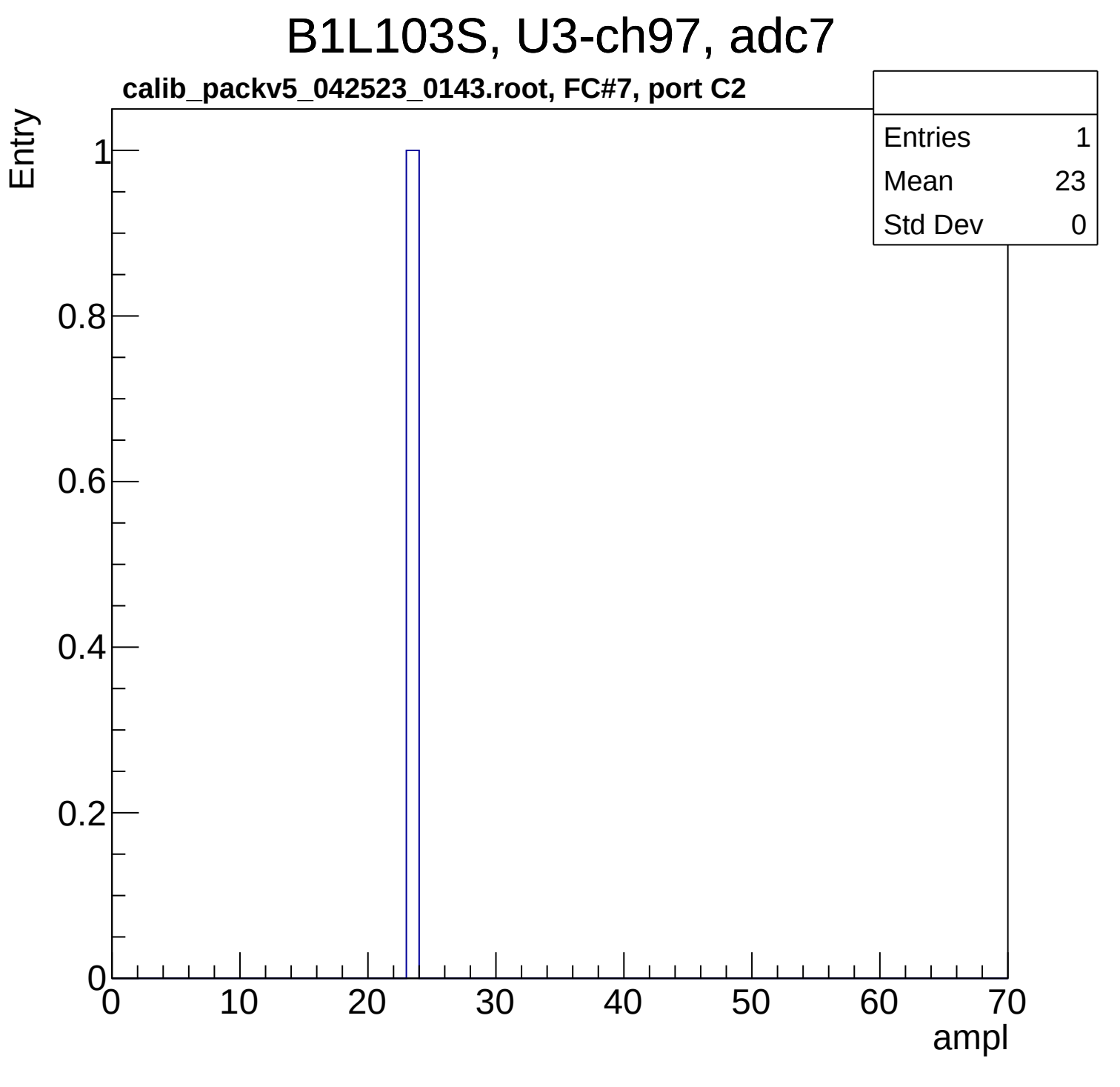
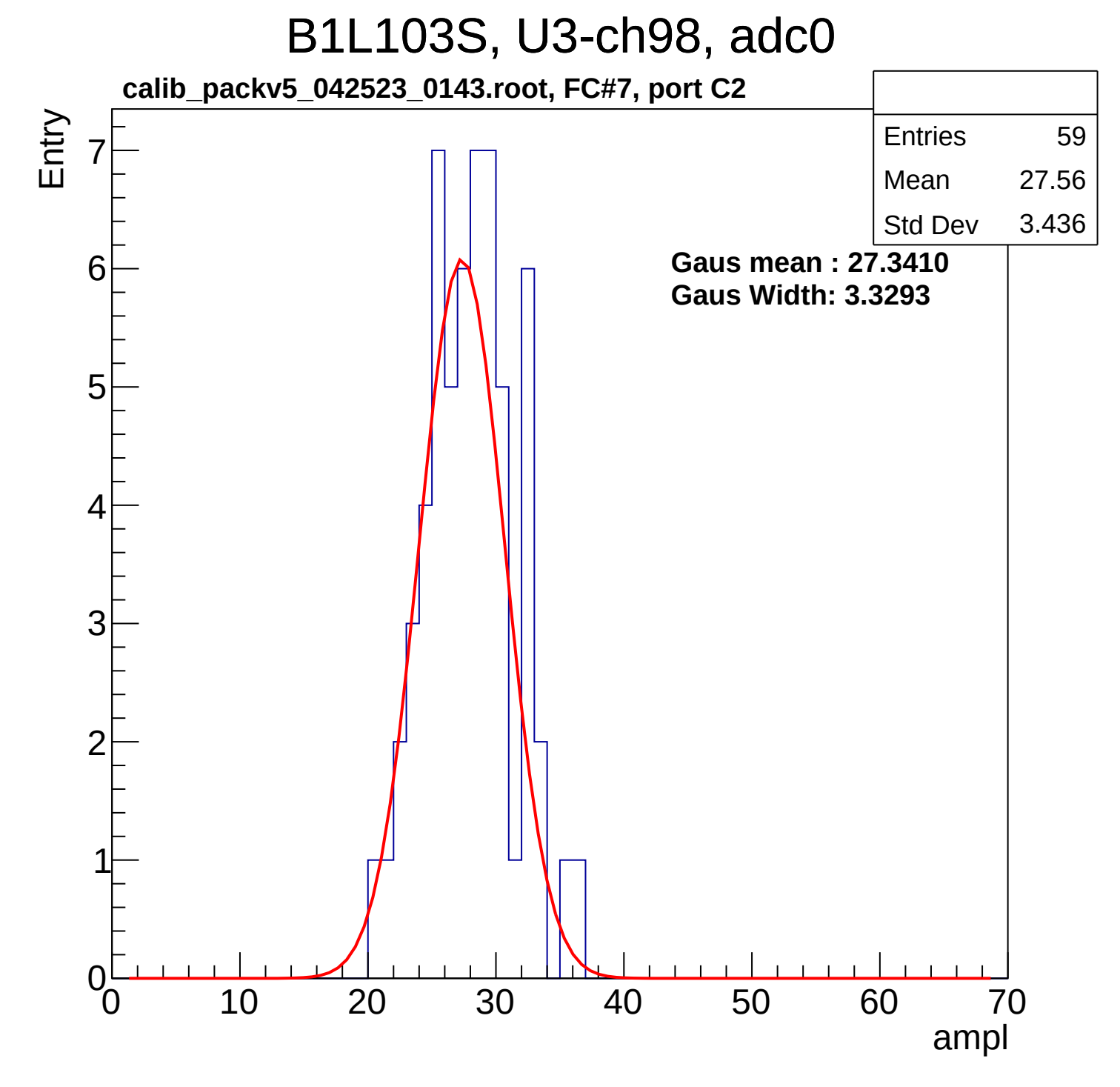
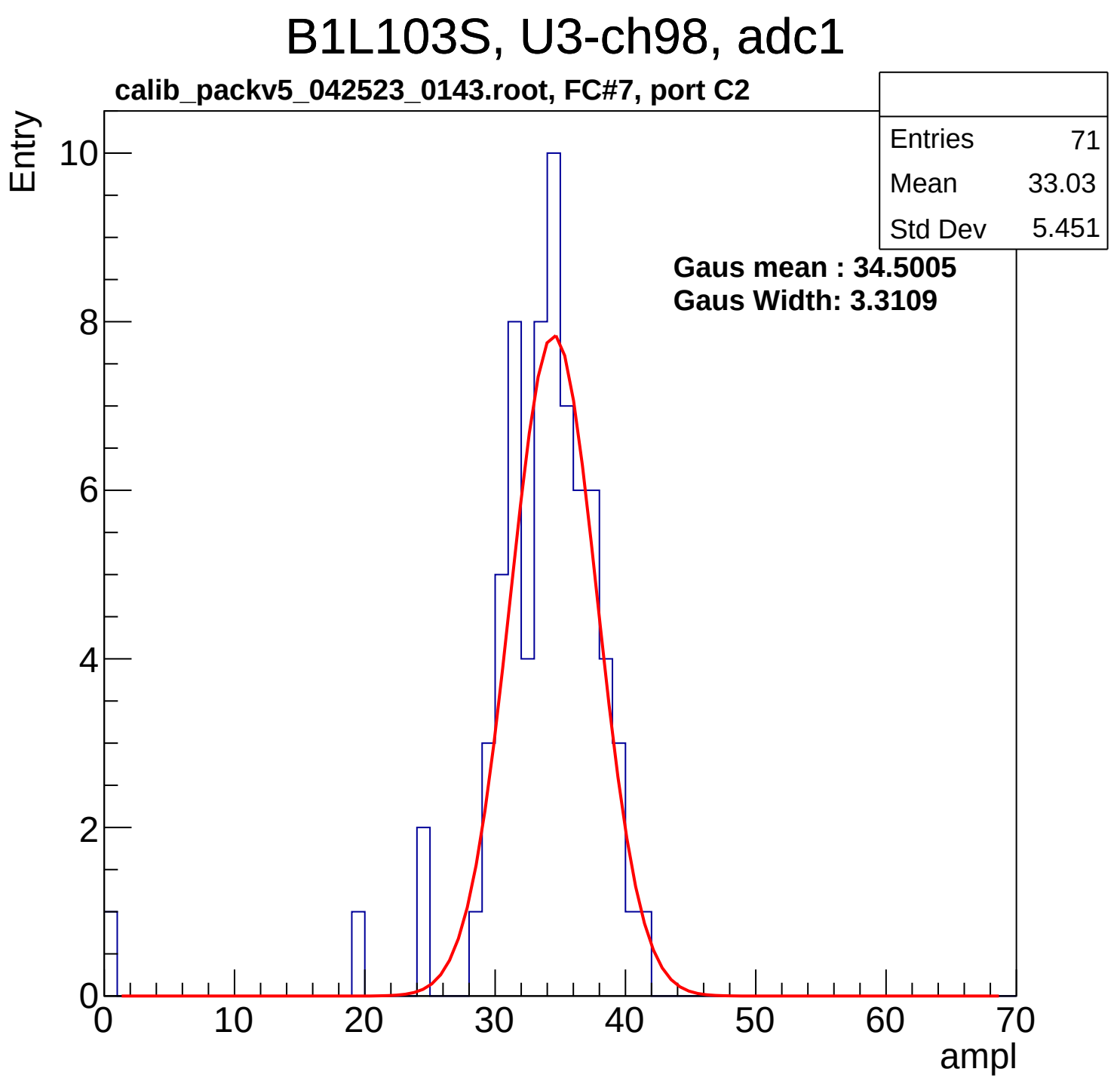
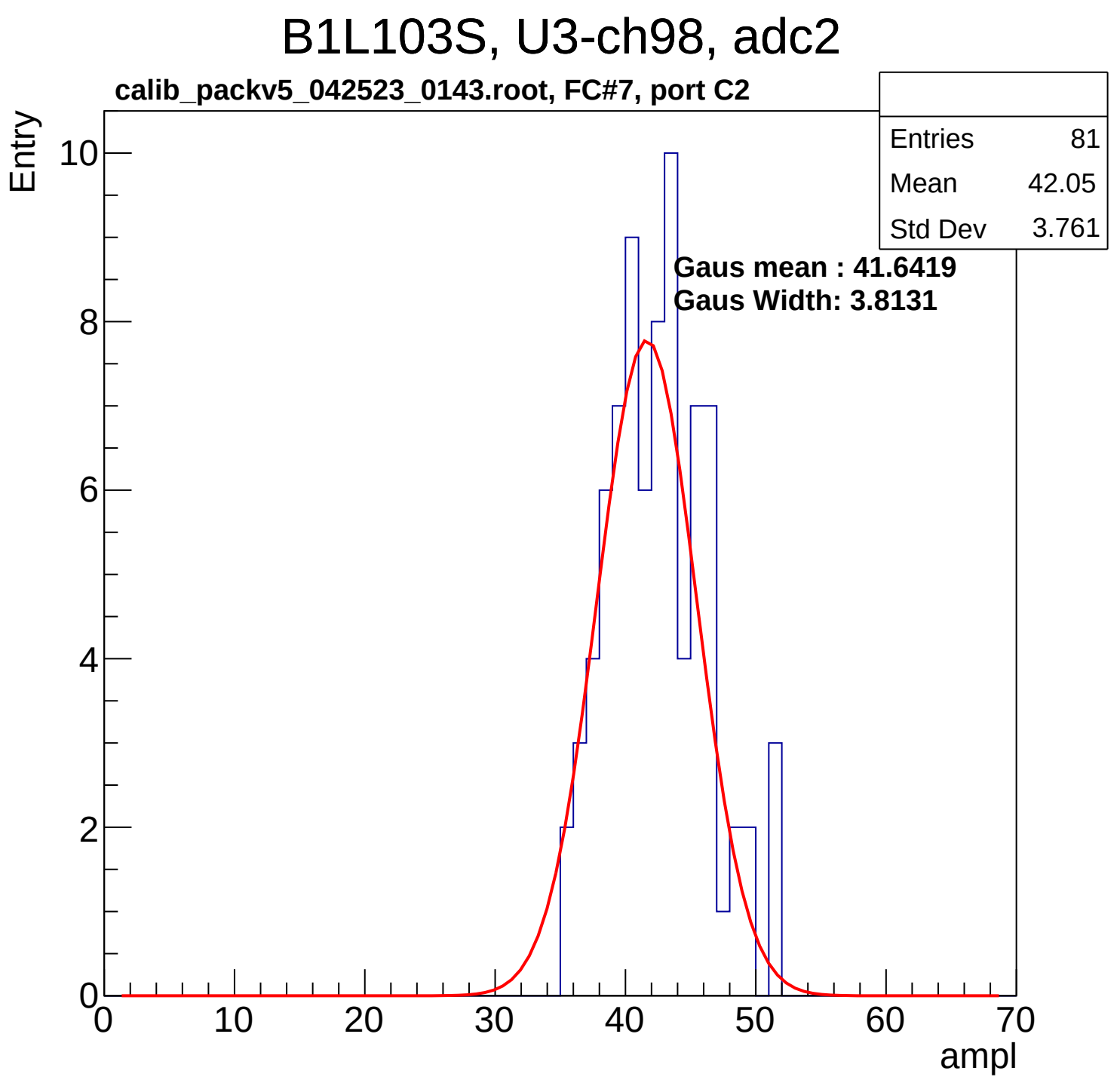
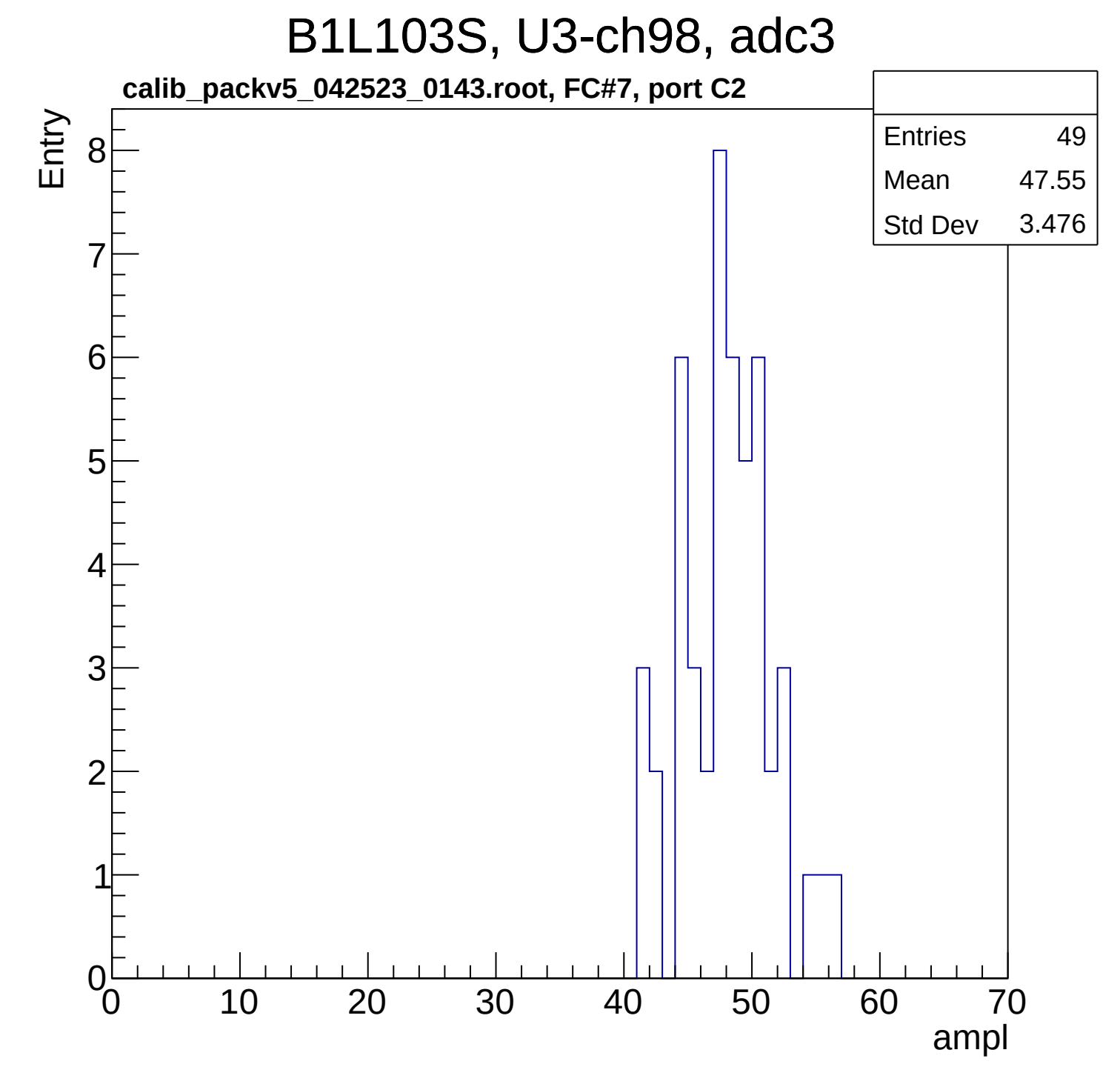

B1L103S, U3-ch97, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 62.11
Std Dev 0.9938
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch97, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 23
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch98, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 27.56
Std Dev 3.436
Gaus mean : 27.3410
Gaus Width: 3.3293
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch98, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 33.03
Std Dev 5.451
Gaus mean : 34.5005
Gaus Width: 3.3109
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch98, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 42.05
Std Dev 3.761
Gaus mean : 41.6419
Gaus Width: 3.8131
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch98, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 47.55
Std Dev 3.476
Entry
ampl
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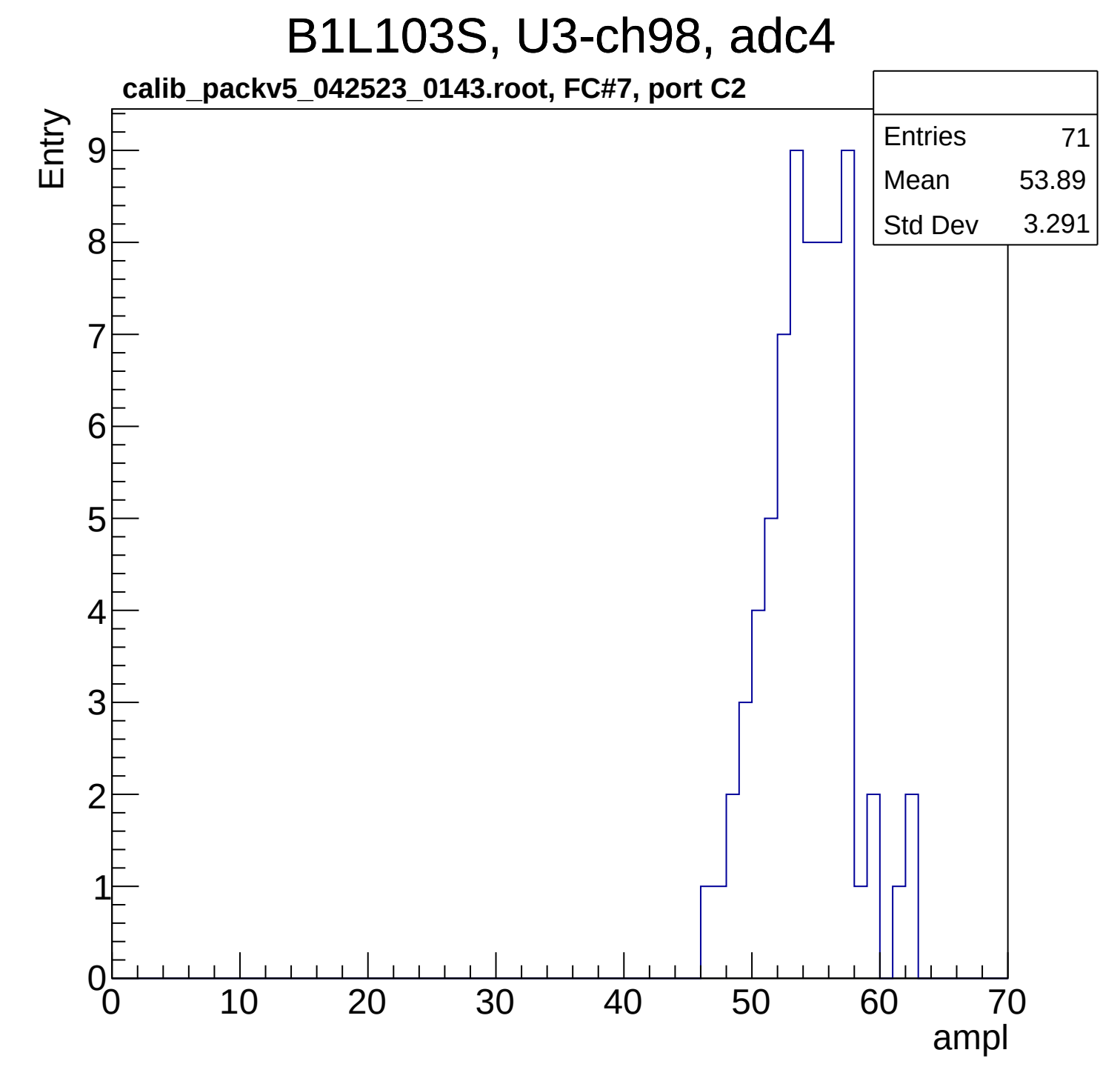
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch98, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 53.89
Std Dev 3.291
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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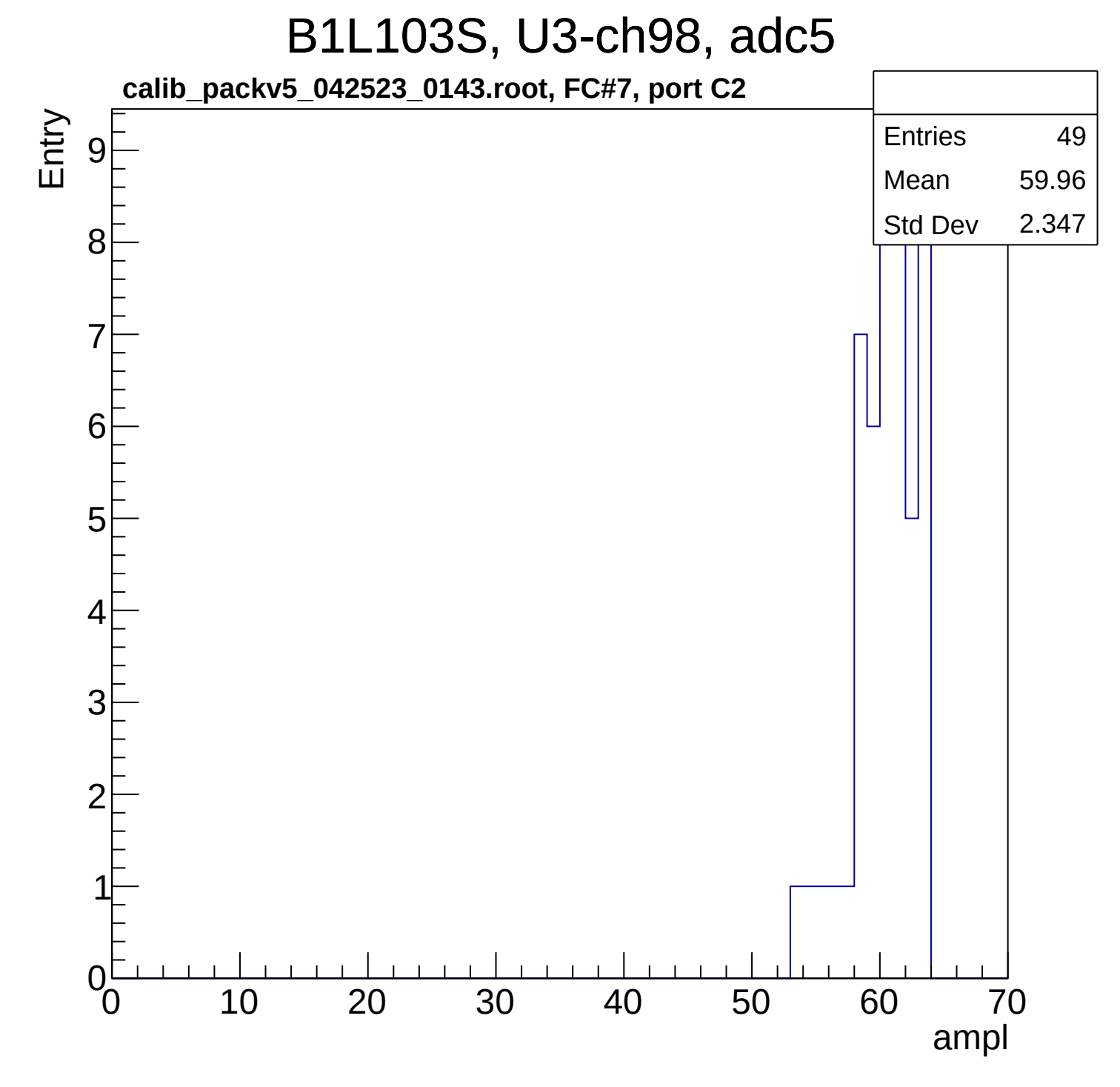
B1L103S, U3-ch98, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 59.96
Std Dev 2.347
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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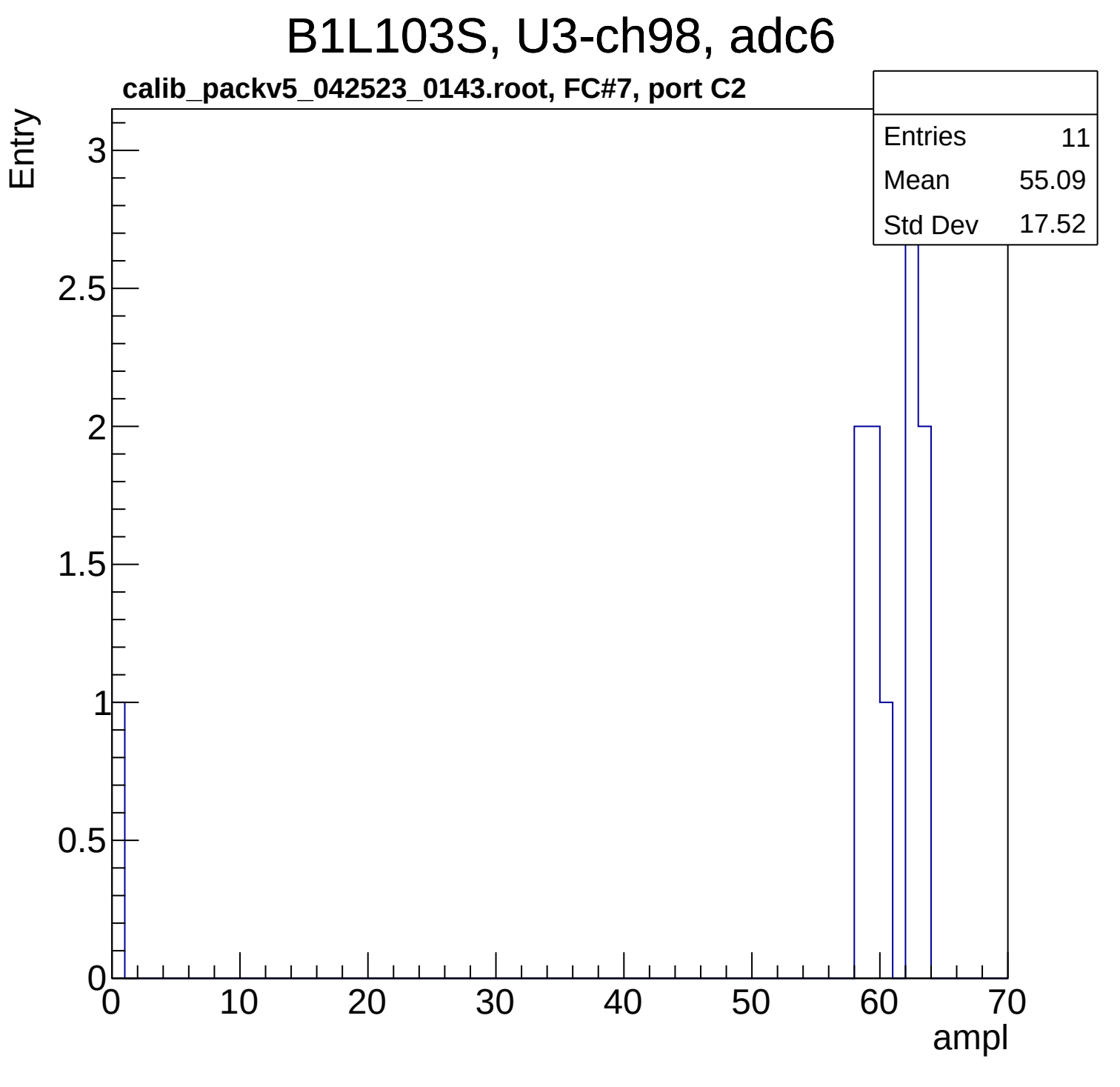
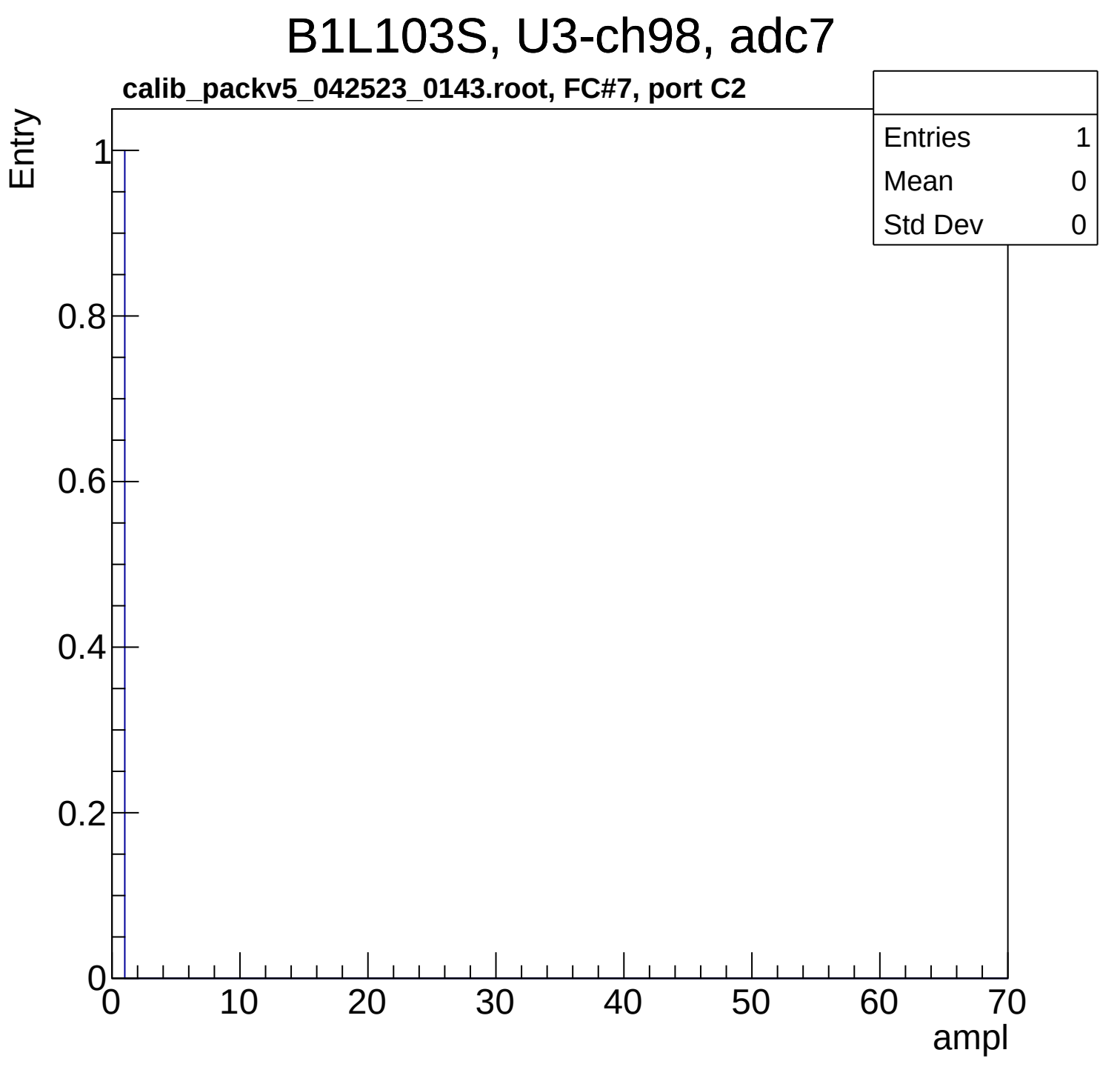
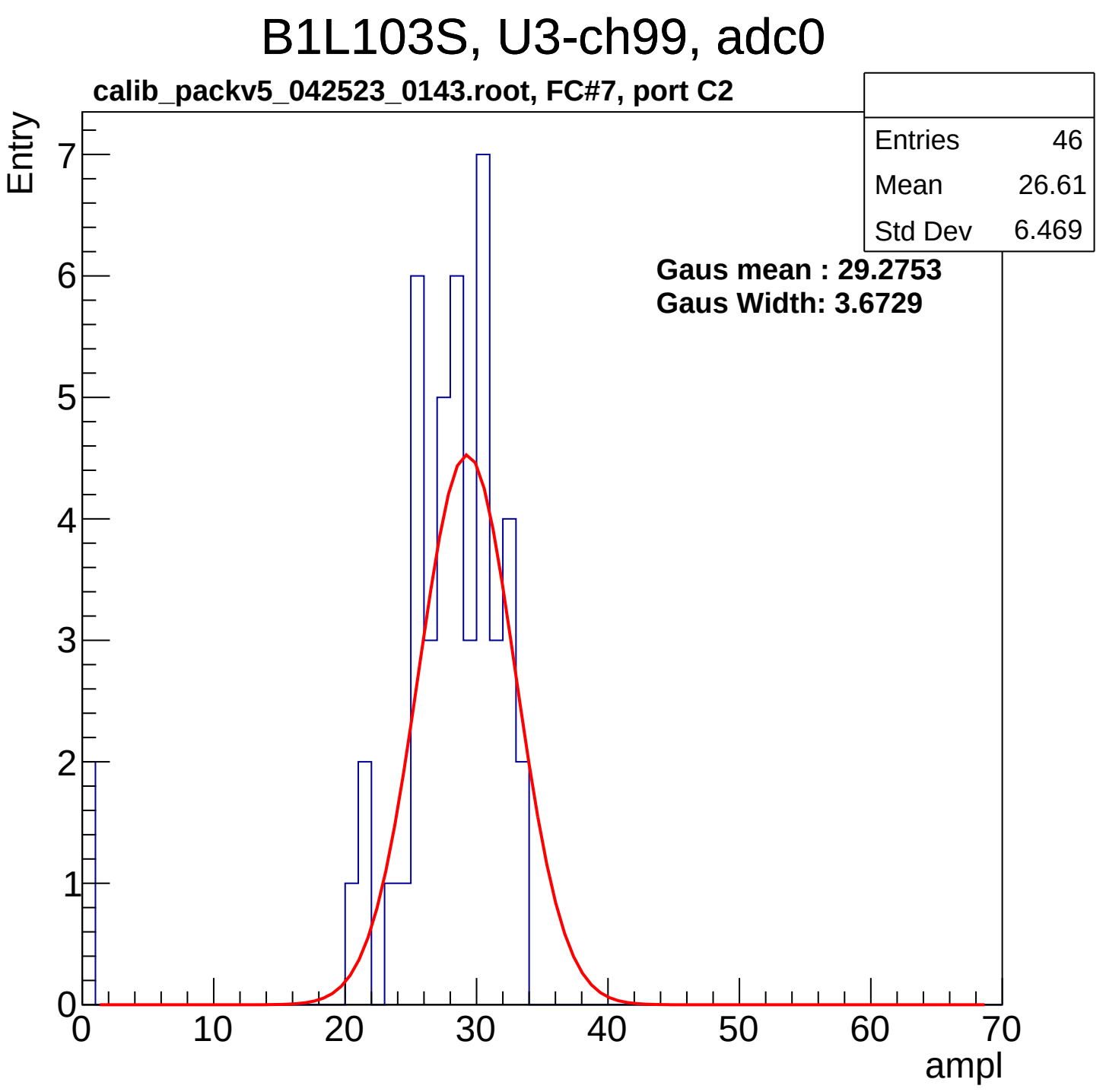
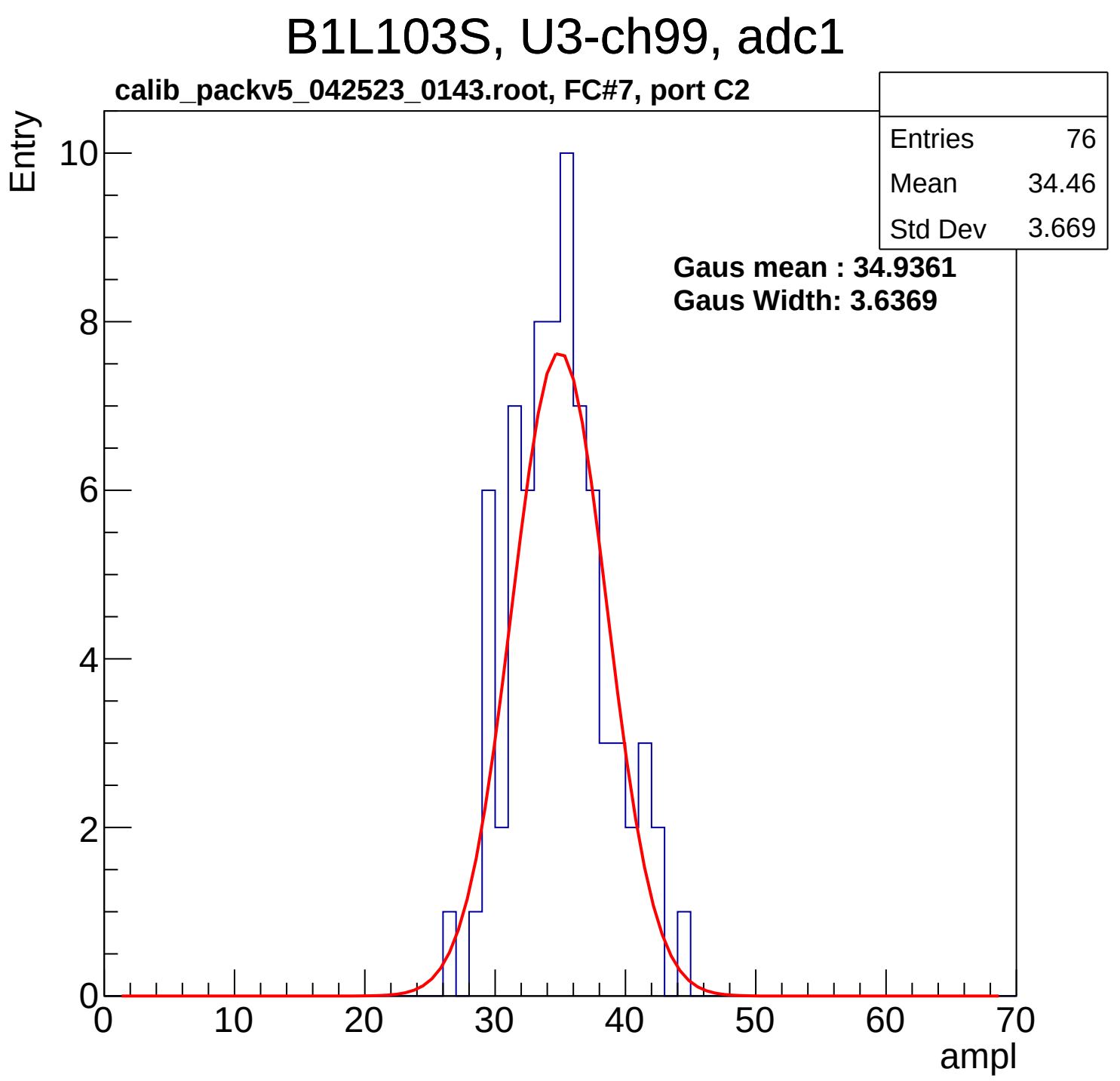
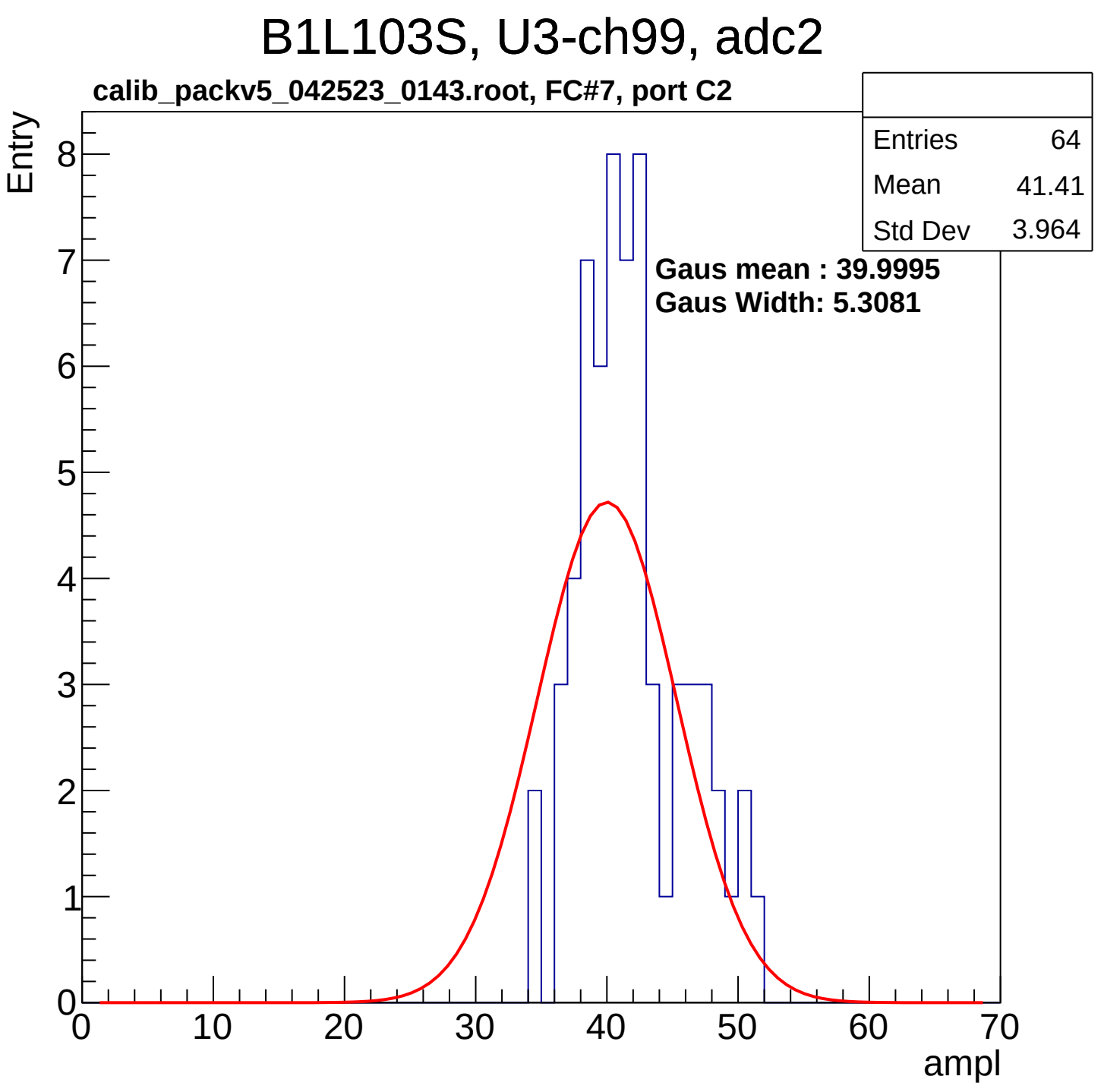
60
70


B1L103S, U3-ch98, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 11
Mean 55.09
Std Dev 17.52
Entry
0
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch98, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch99, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 26.61
Std Dev 6.469
Gaus mean : 29.2753
Gaus Width: 3.6729
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch99, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 34.46
Std Dev 3.669
Gaus mean : 34.9361
Gaus Width: 3.6369
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch99, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 41.41
Std Dev 3.964
Gaus mean : 39.9995
Gaus Width: 5.3081
Entry
ampl
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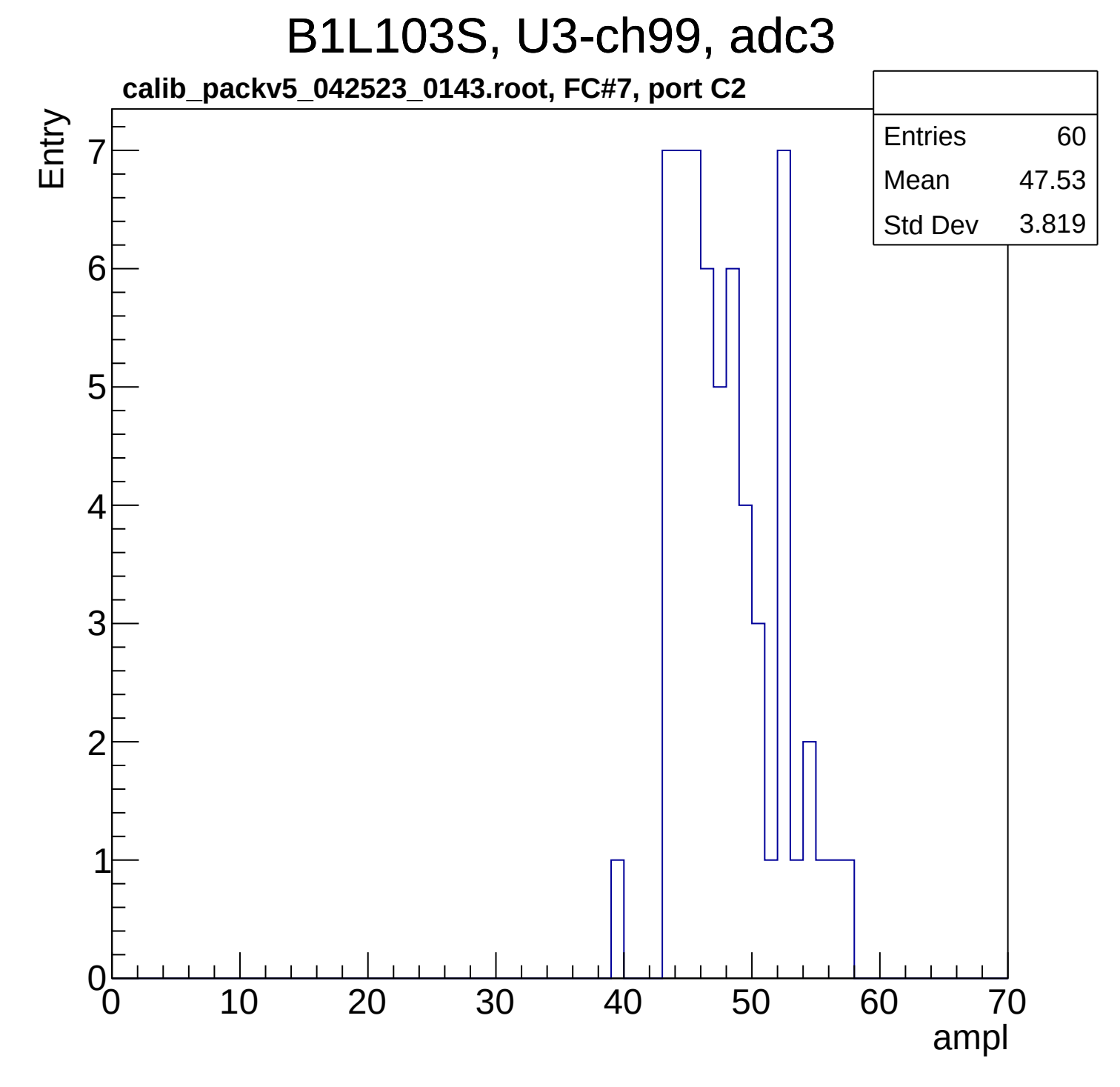
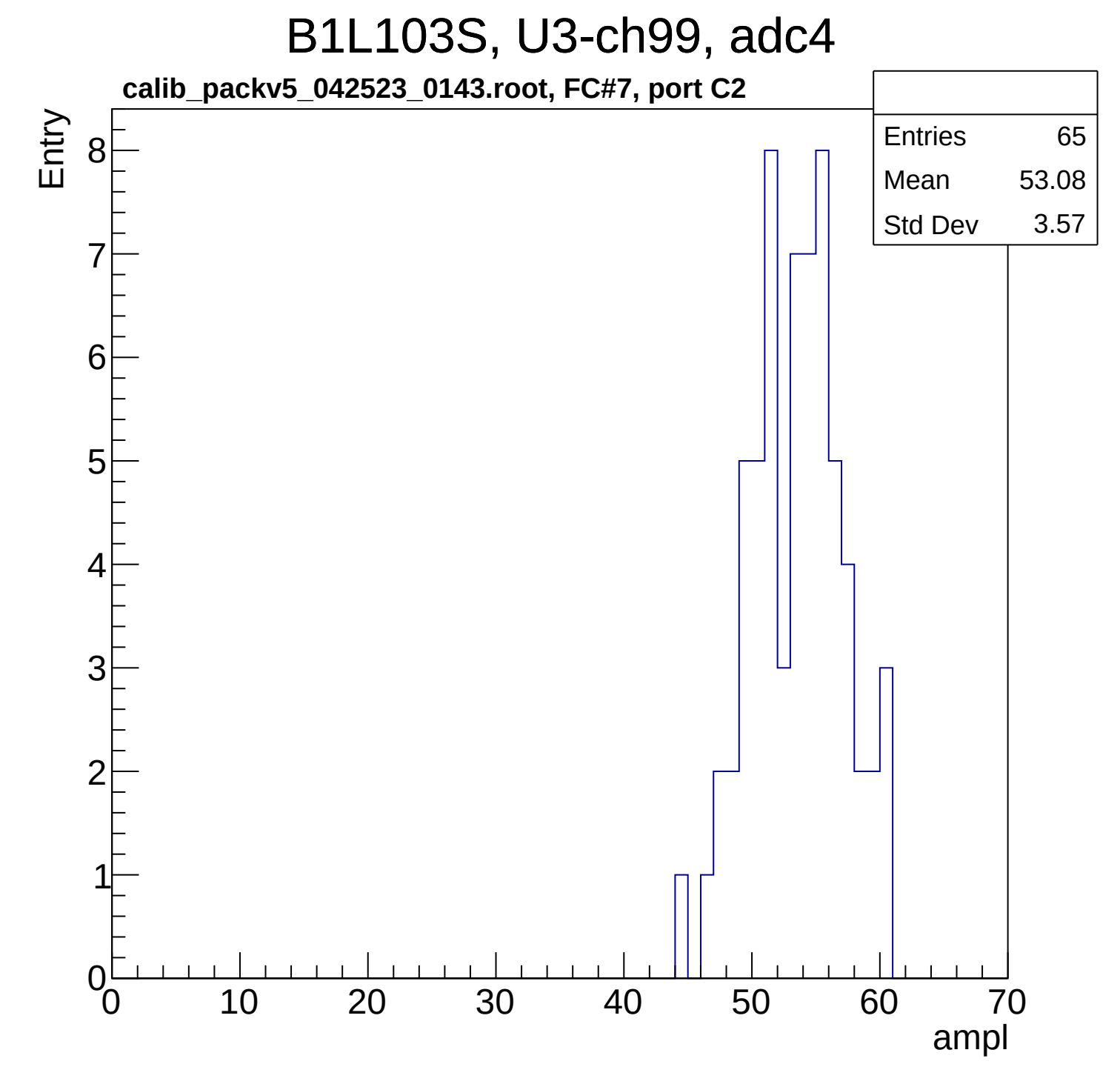
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch99, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 47.53
Std Dev 3.819
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch99, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 53.08
Std Dev 3.57
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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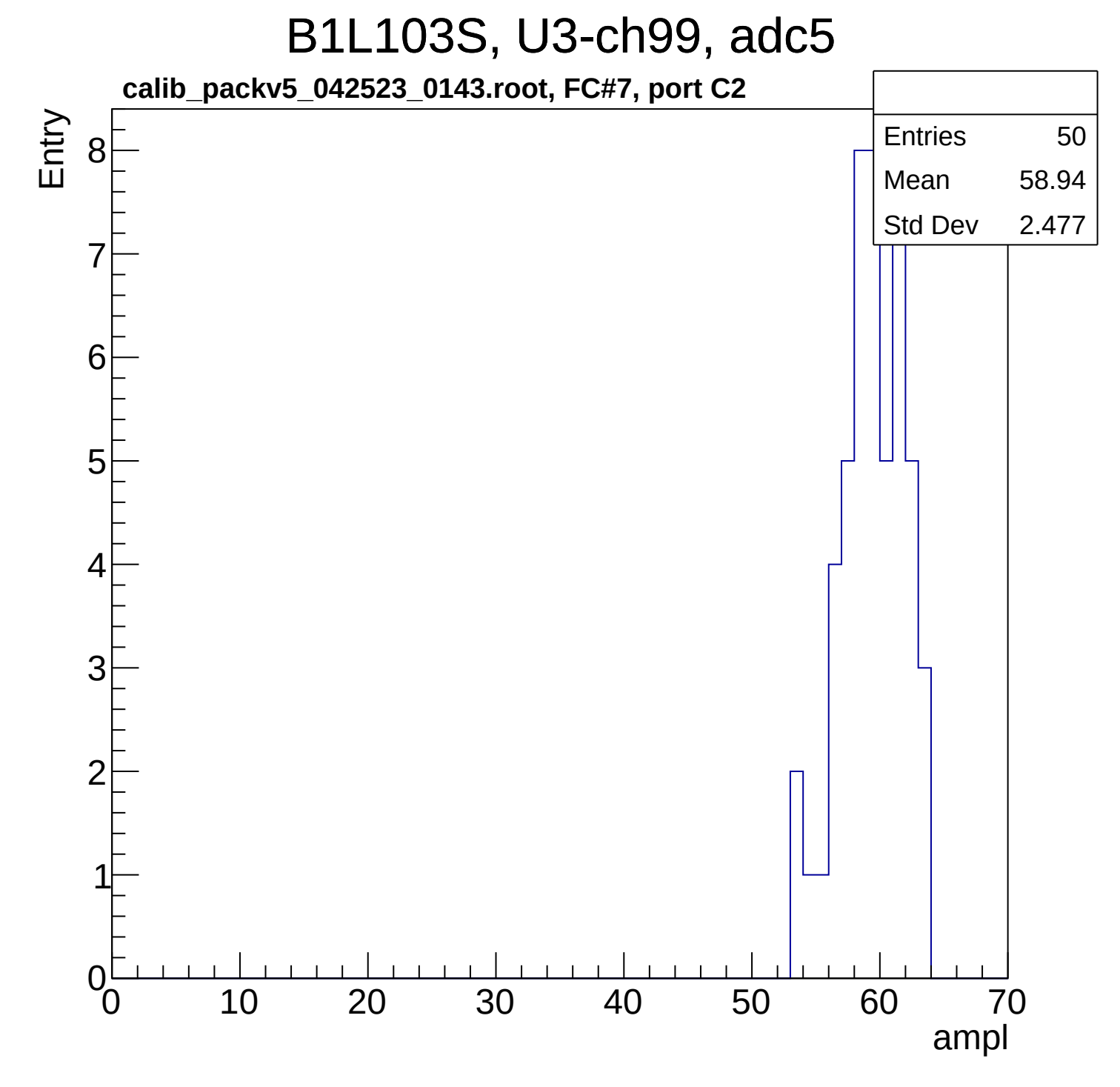
B1L103S, U3-ch99, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 58.94
Std Dev 2.477
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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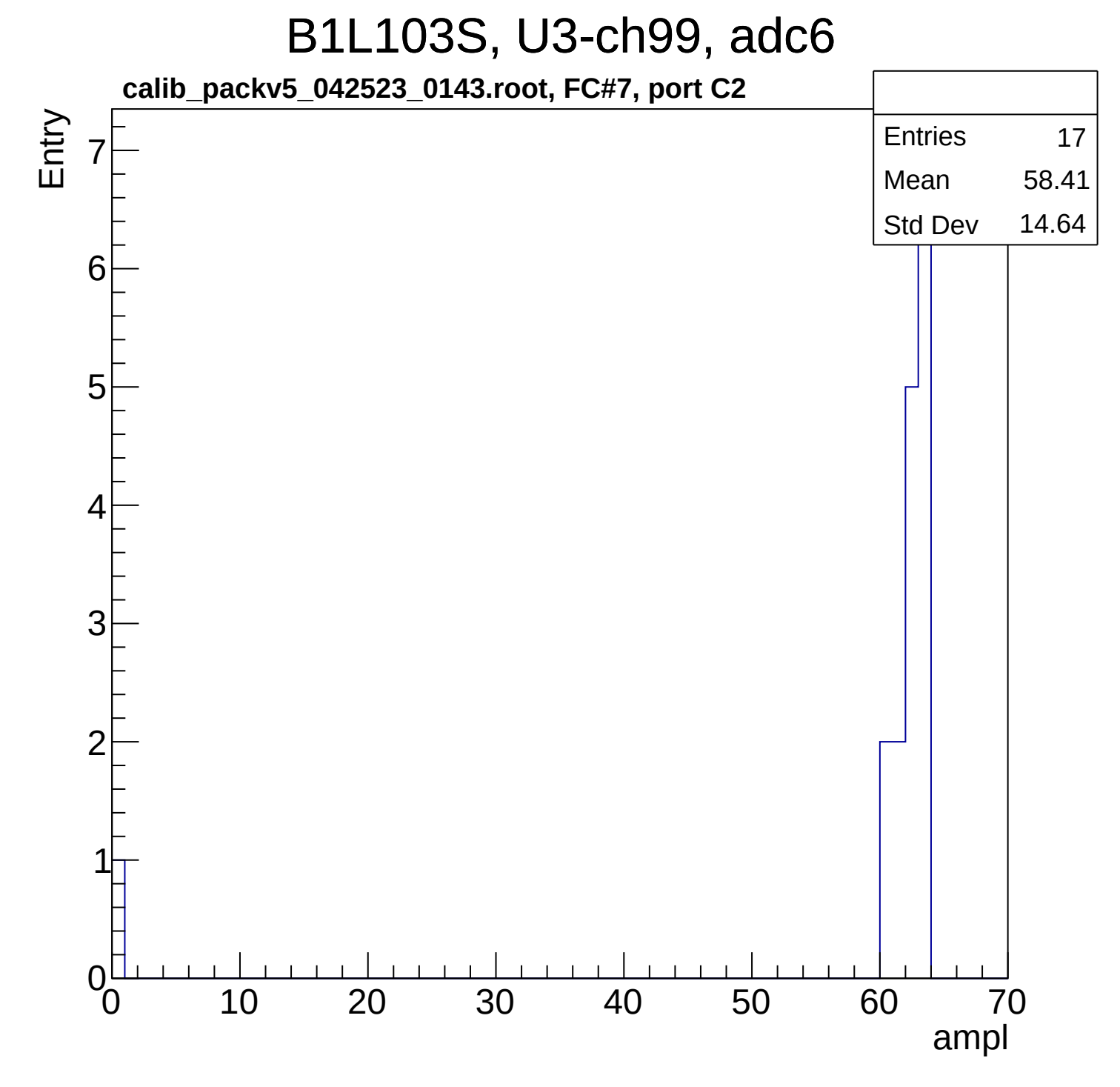
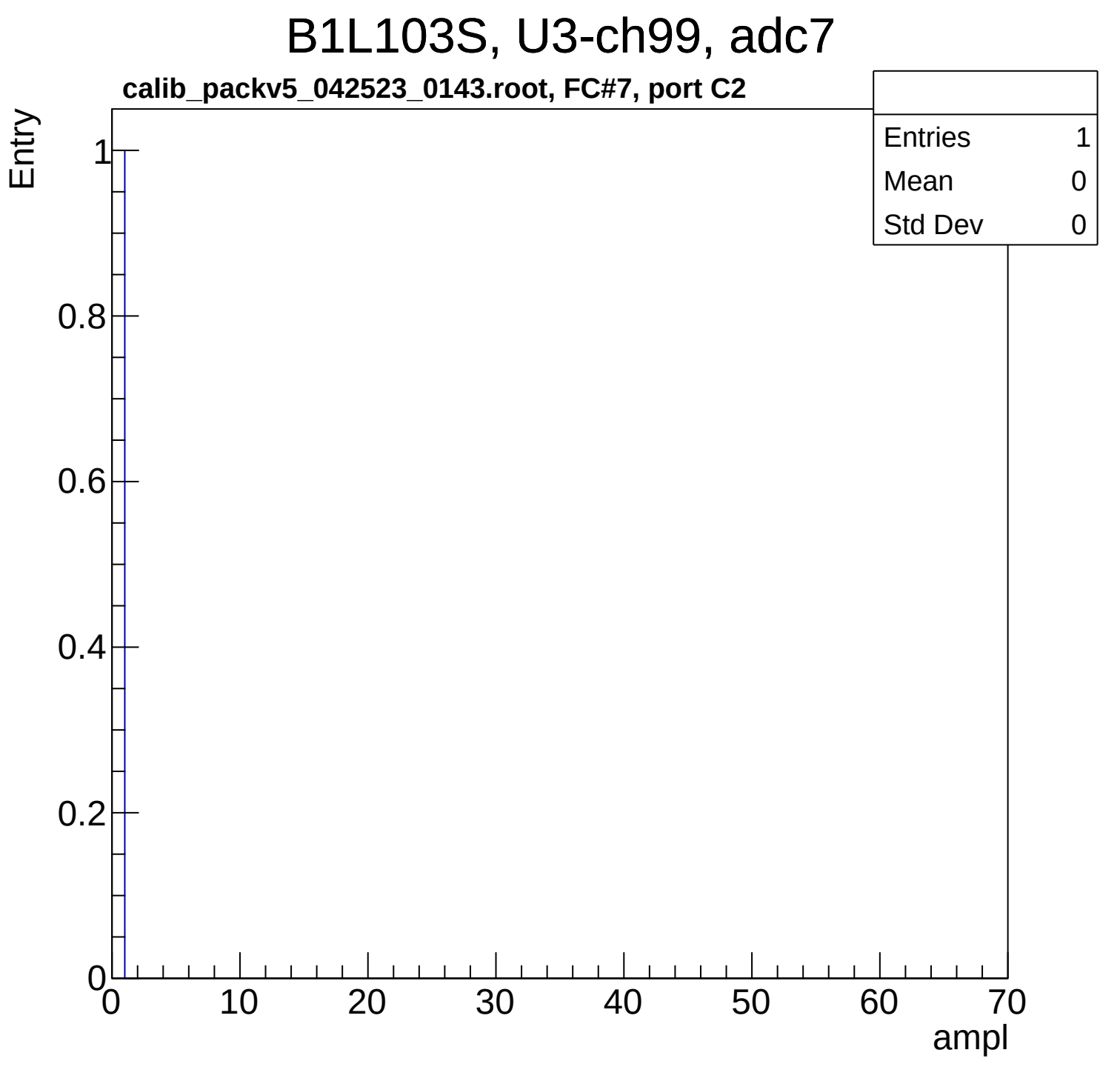
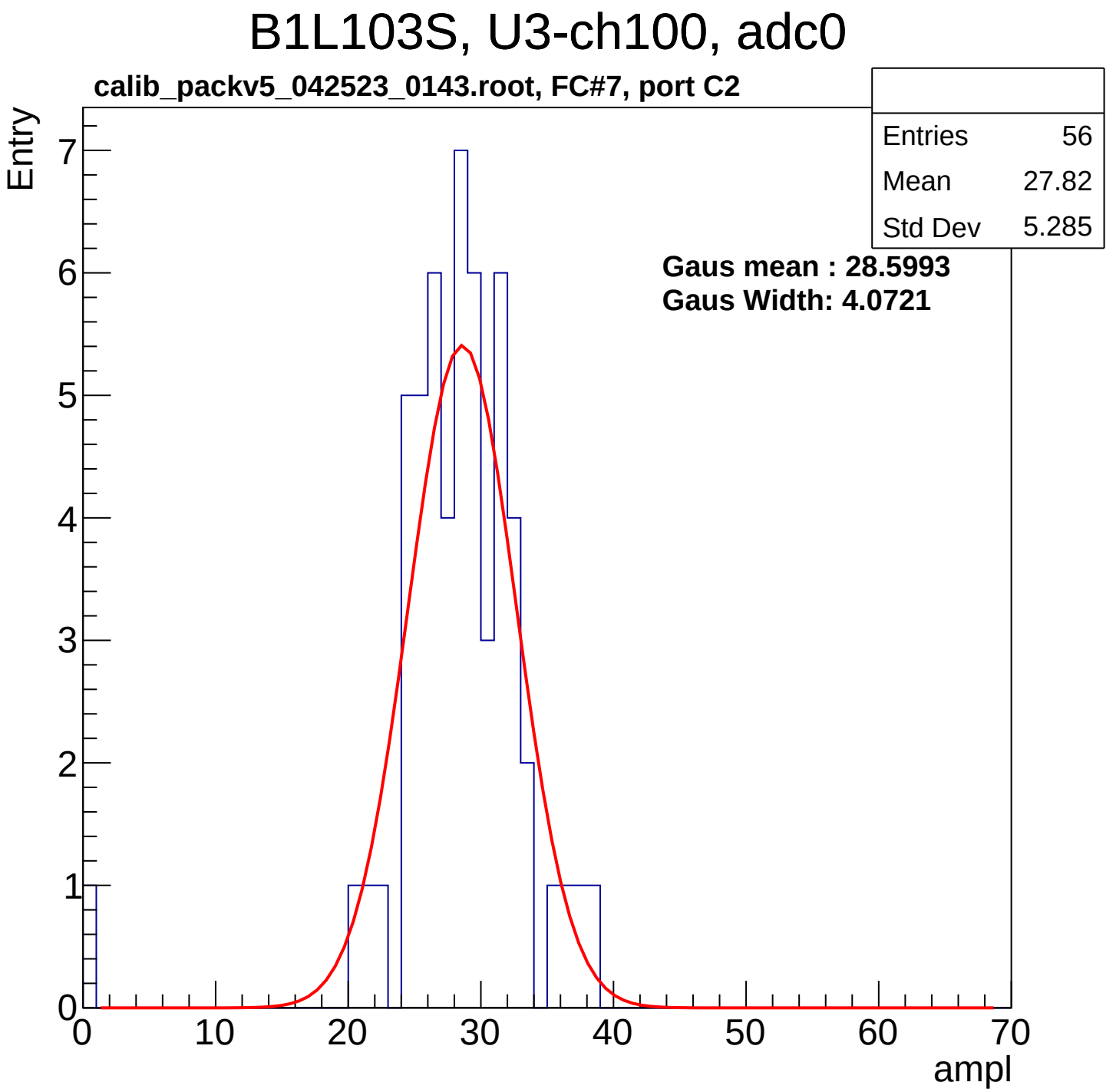

B1L103S, U3-ch99, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 17
Mean 58.41
Std Dev 14.64
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch99, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch100, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 27.82
Std Dev 5.285
Gaus mean : 28.5993
Gaus Width: 4.0721
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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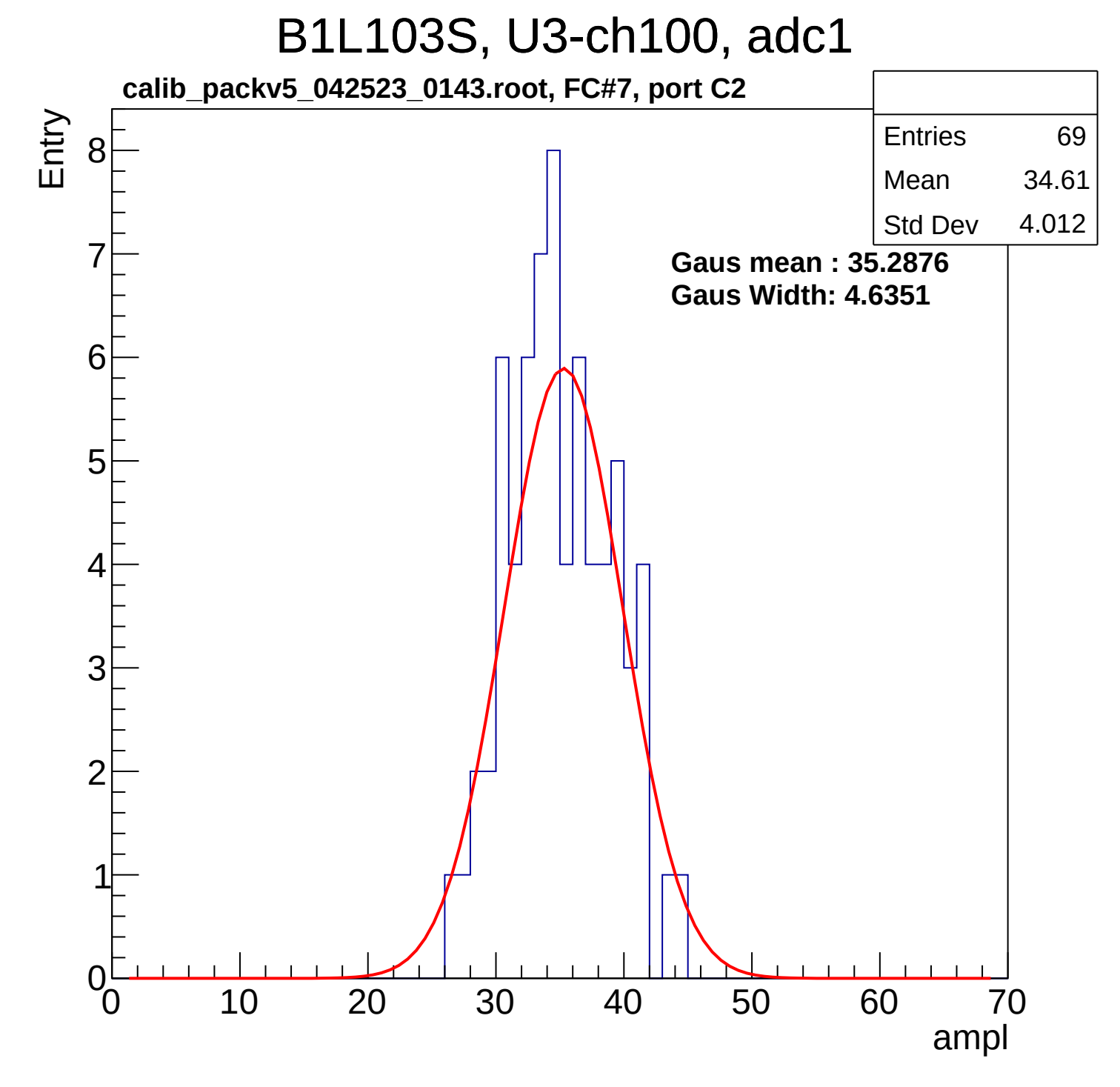
B1L103S, U3-ch100, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 34.61
Std Dev 4.012
Gaus mean : 35.2876
Gaus Width: 4.6351
Entry
ampl
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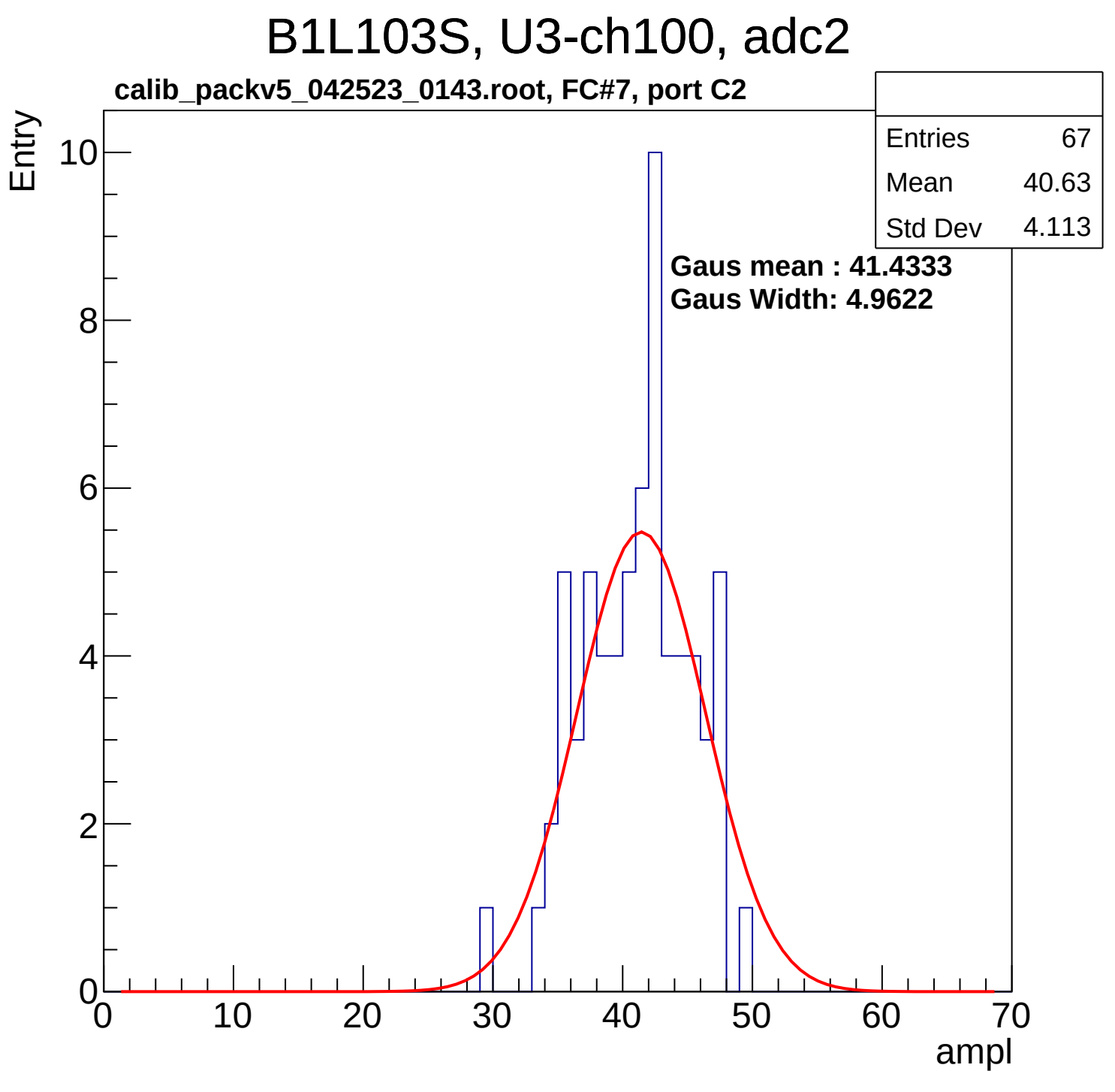
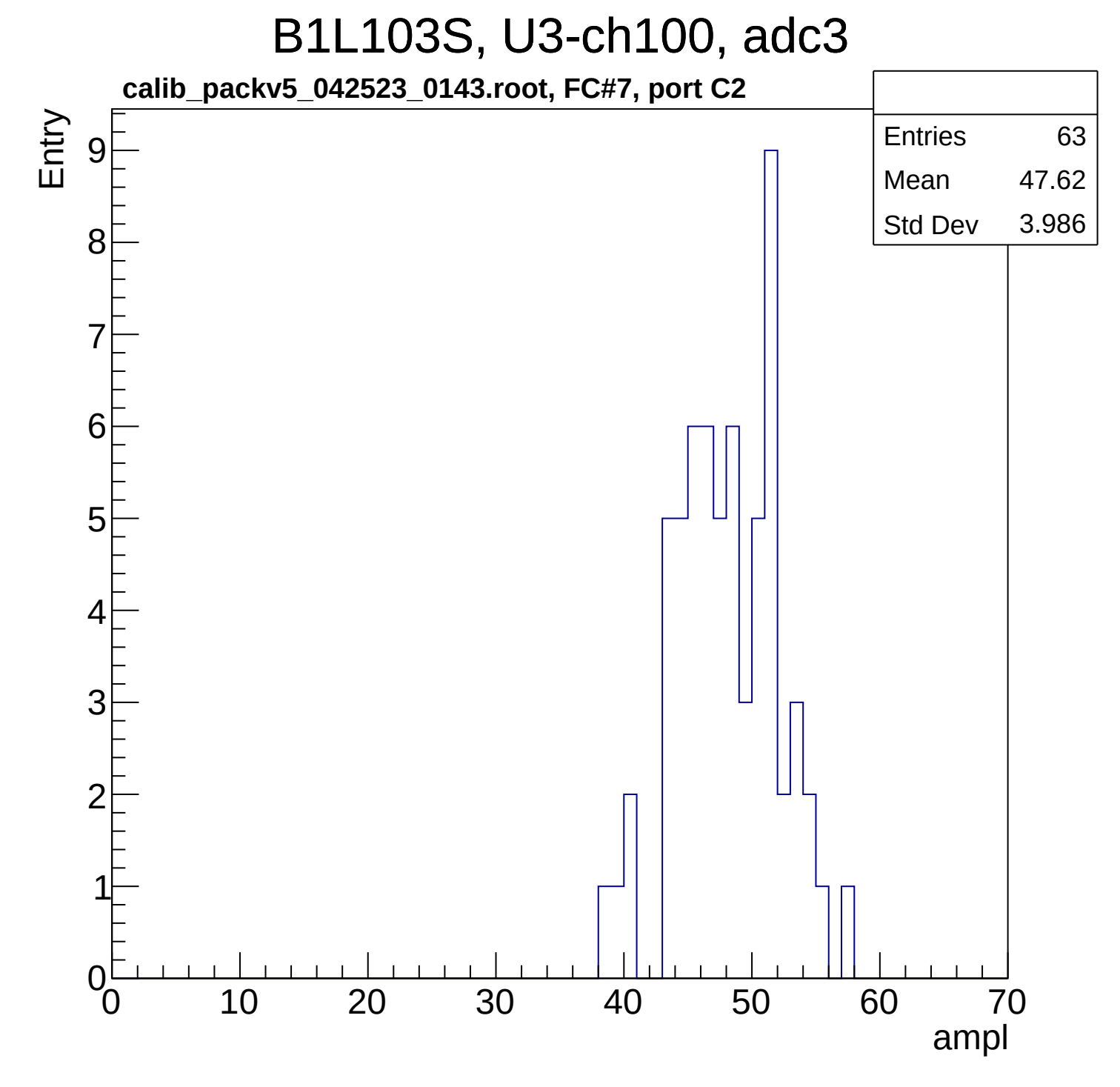
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch100, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 40.63
Std Dev 4.113
Gaus mean : 41.4333
Gaus Width: 4.9622
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch100, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 47.62
Std Dev 3.986
Entry
ampl
0
1
2
3
4
5
6
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9
0
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40
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60
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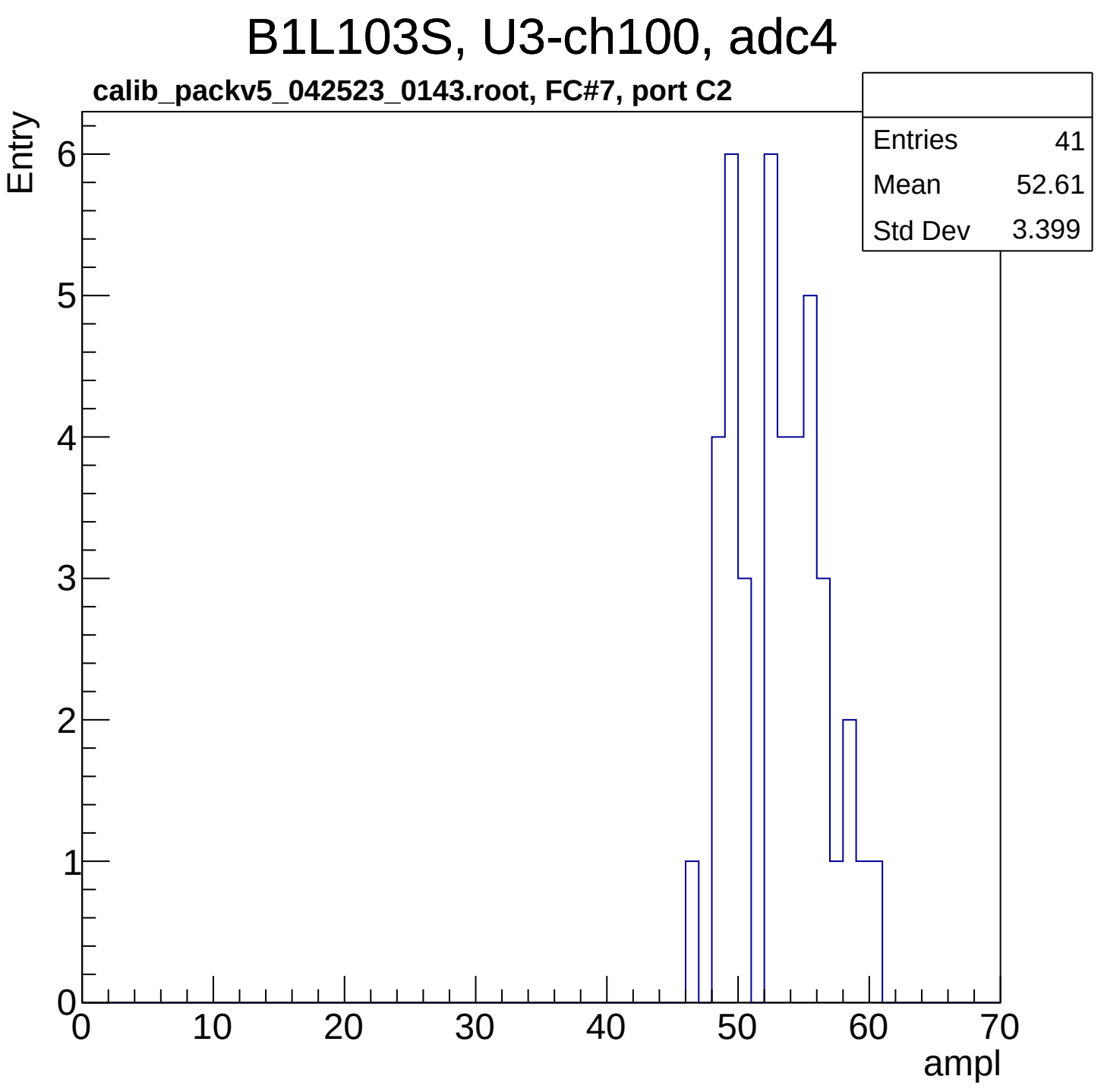
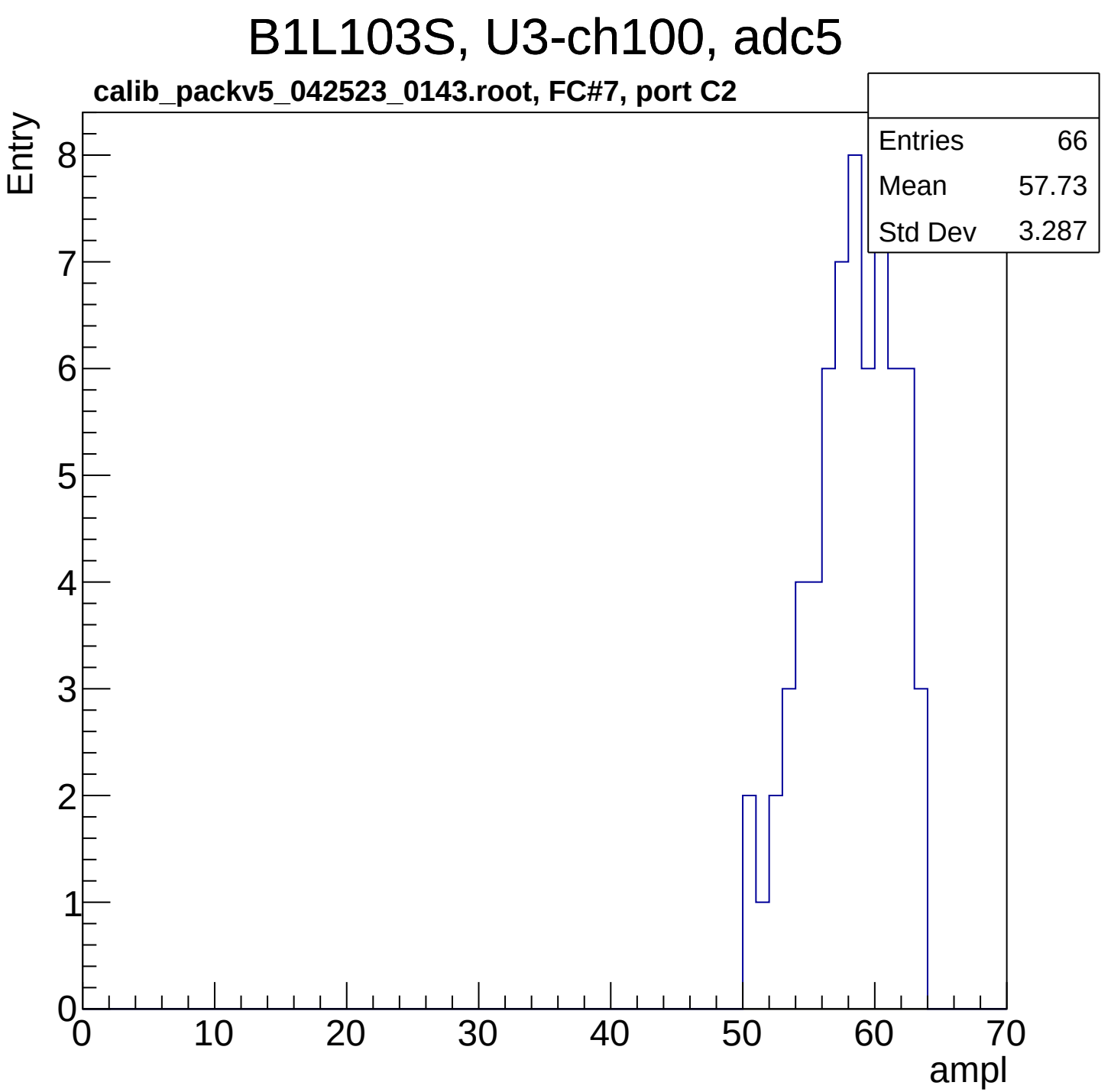

B1L103S, U3-ch100, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 41
Mean 52.61
Std Dev 3.399
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch100, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 57.73
Std Dev 3.287
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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40
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60
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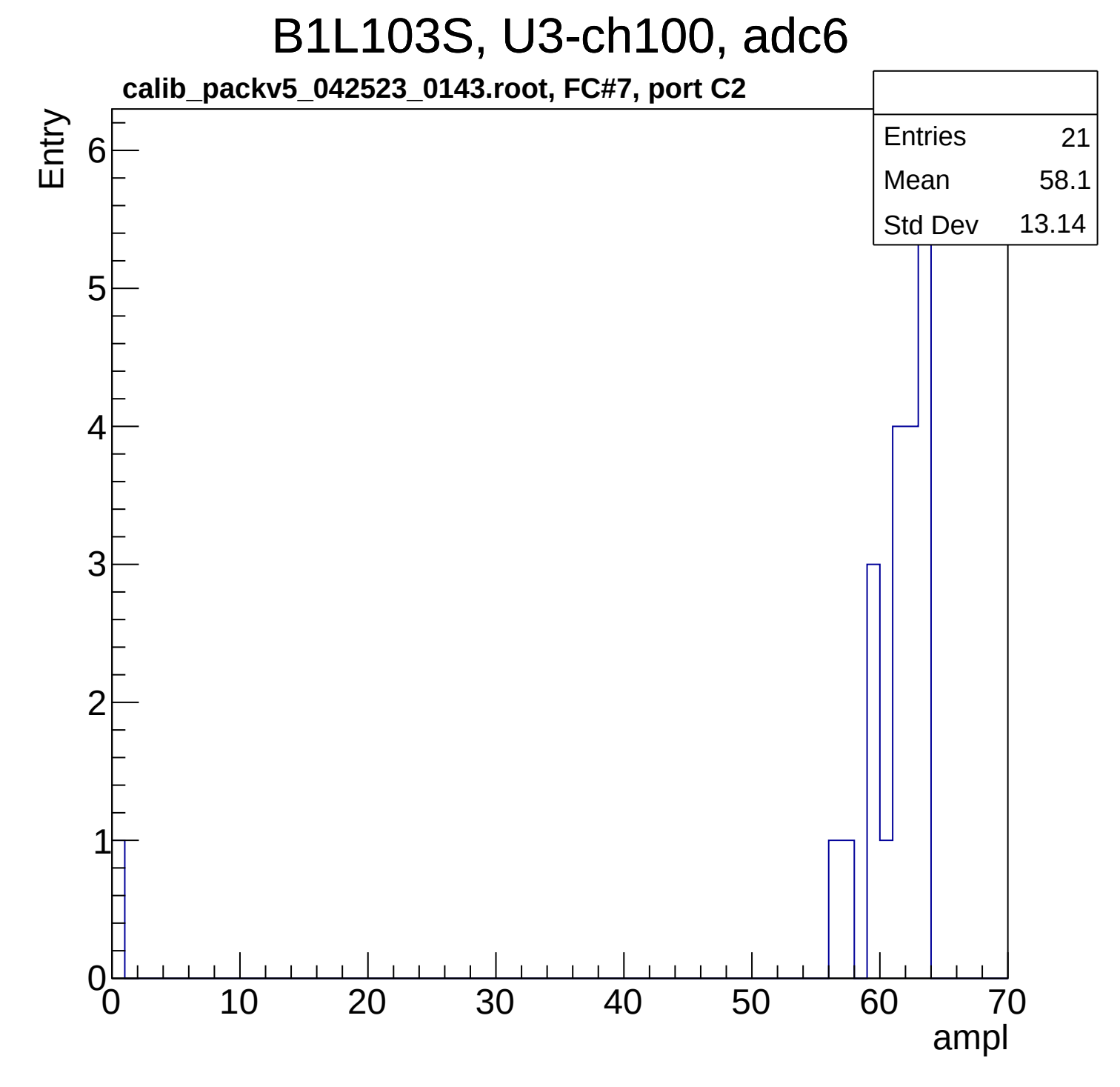
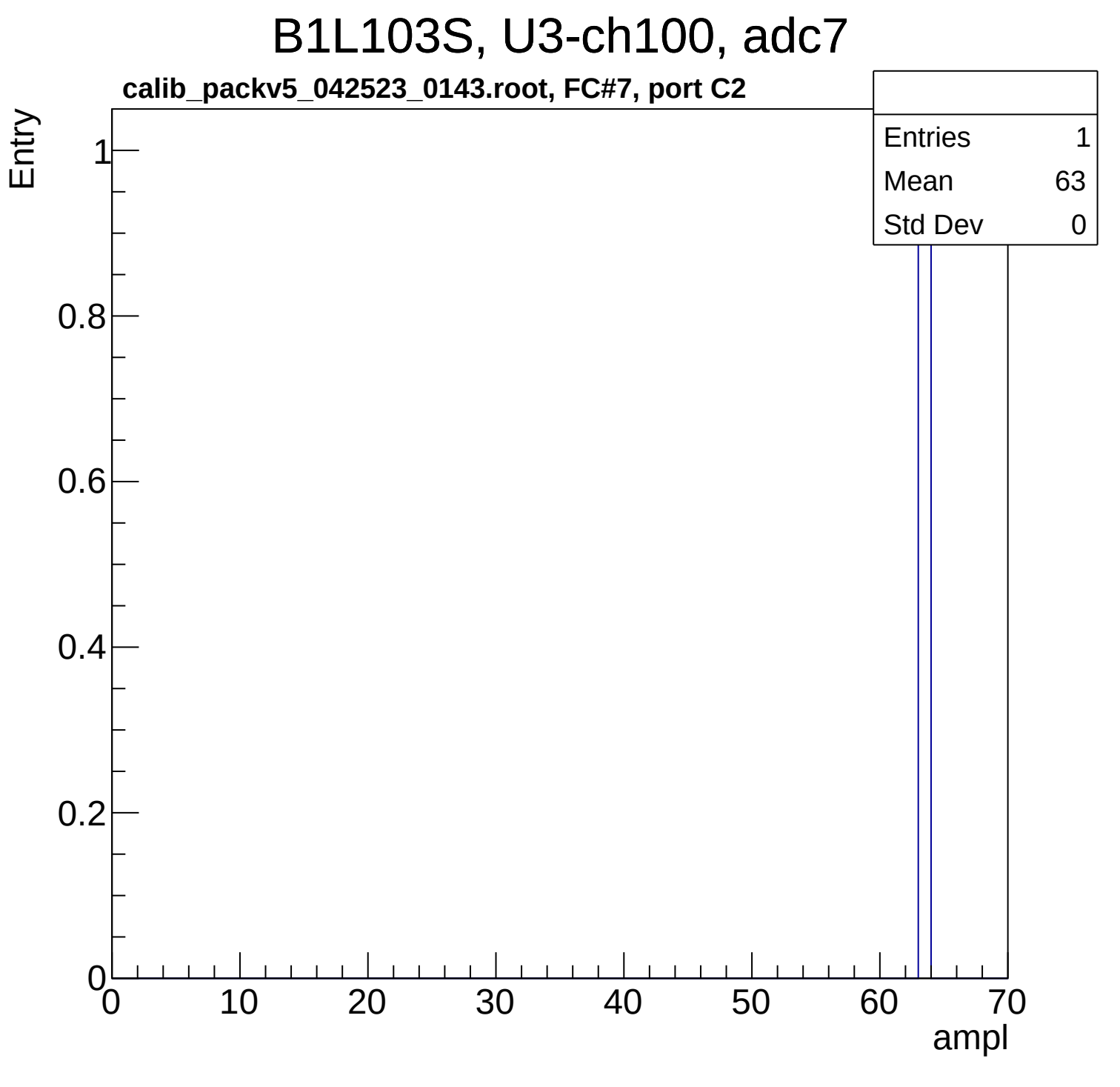
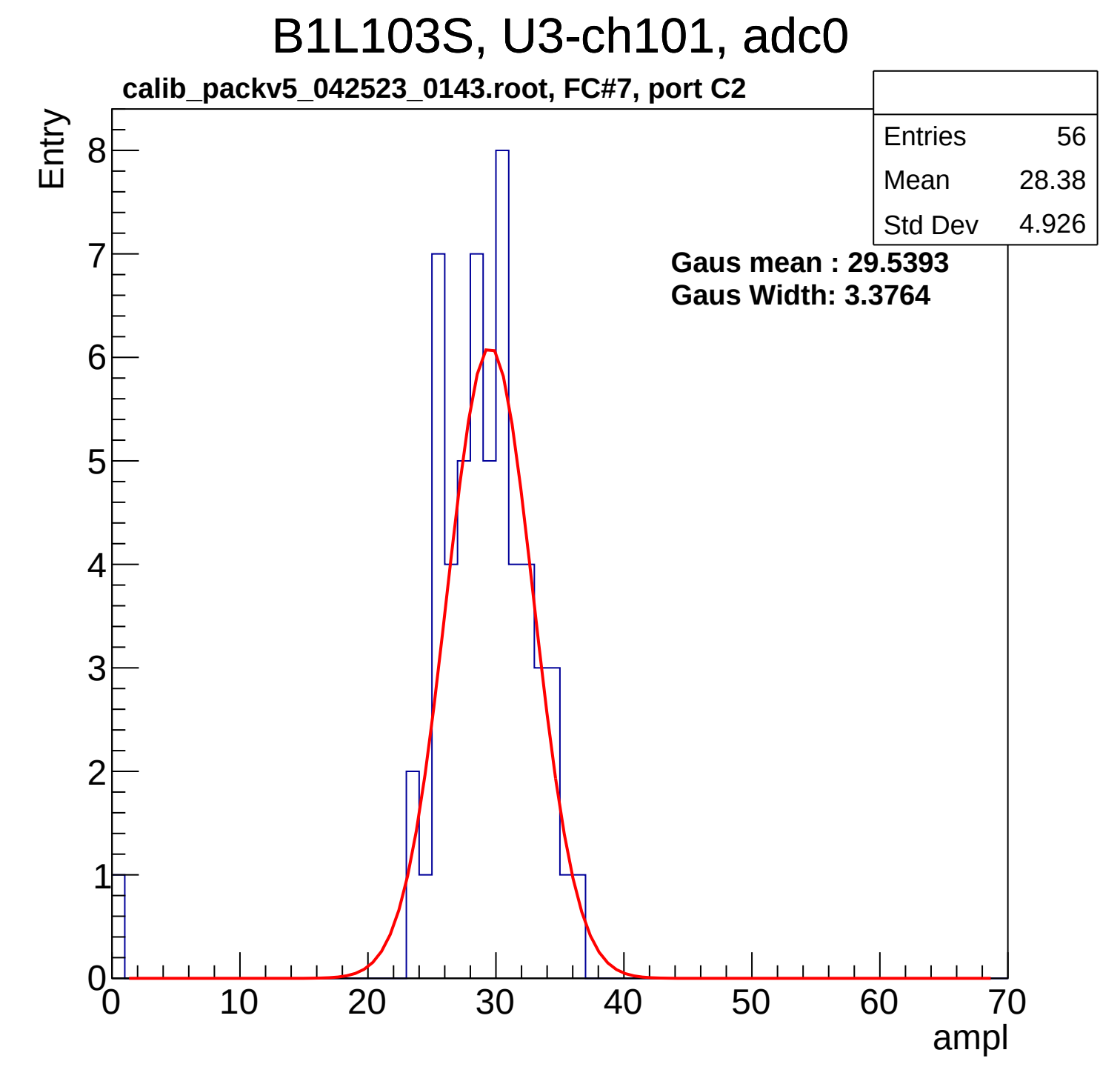
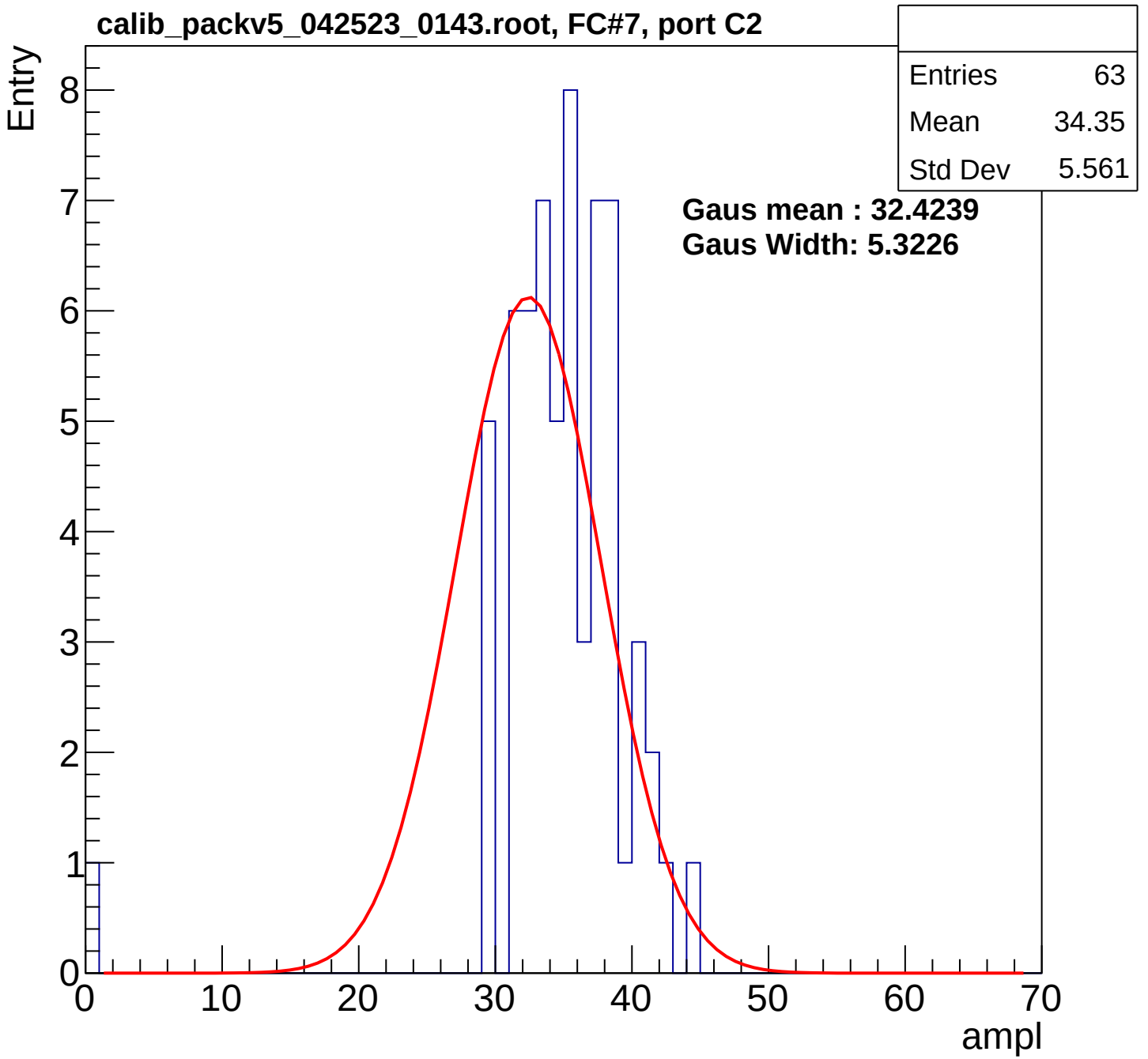

B1L103S, U3-ch100, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 21
Mean 58.1
Std Dev 13.14
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch100, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch101, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 28.38
Std Dev 4.926
Gaus mean : 29.5393
Gaus Width: 3.3764
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch101, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 34.35
Std Dev 5.561
Gaus mean : 32.4239
Gaus Width: 5.3226
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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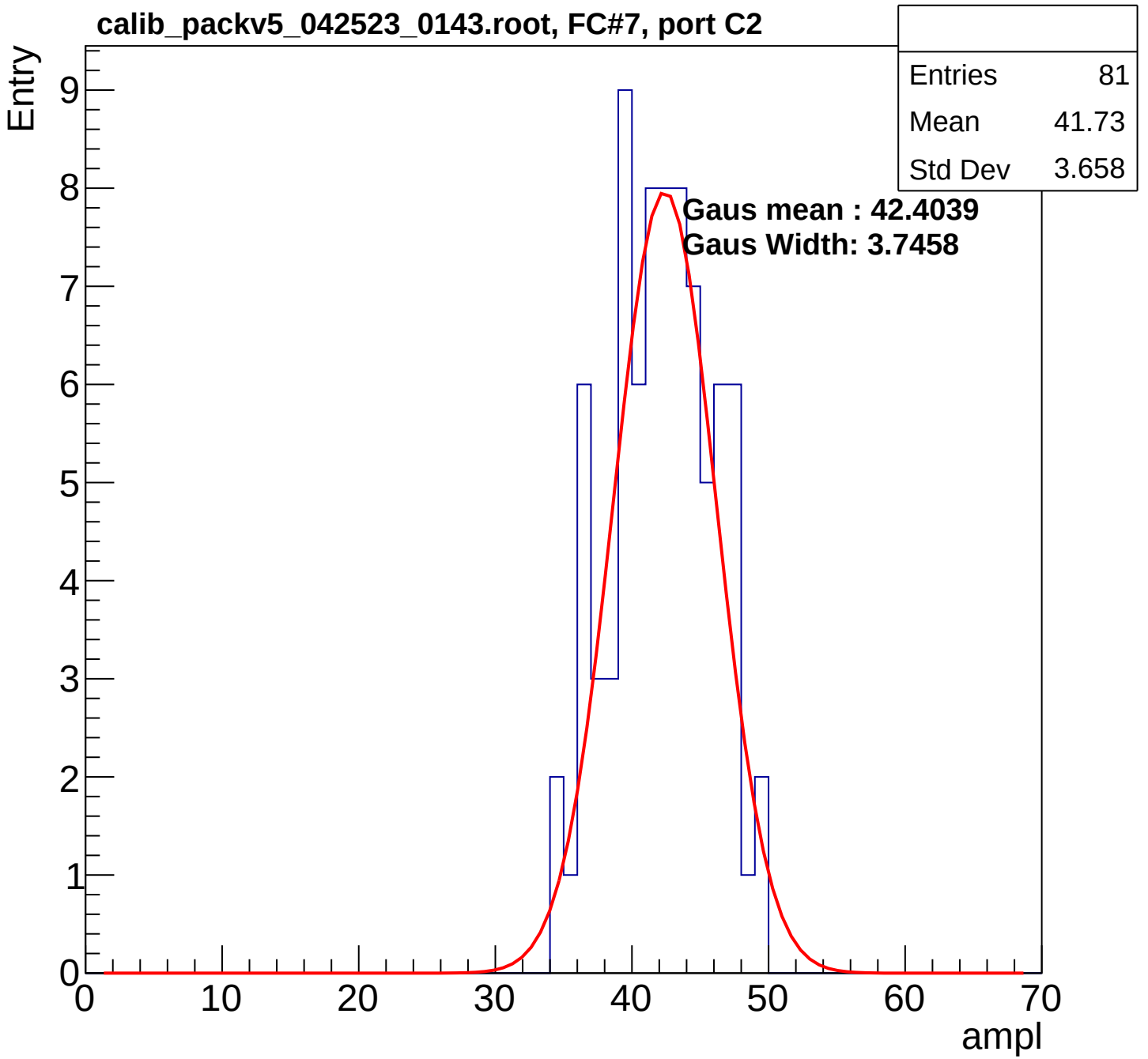
B1L103S, U3-ch101, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 41.73
Std Dev 3.658
Gaus mean : 42.4039
Gaus Width: 3.7458
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
50
60
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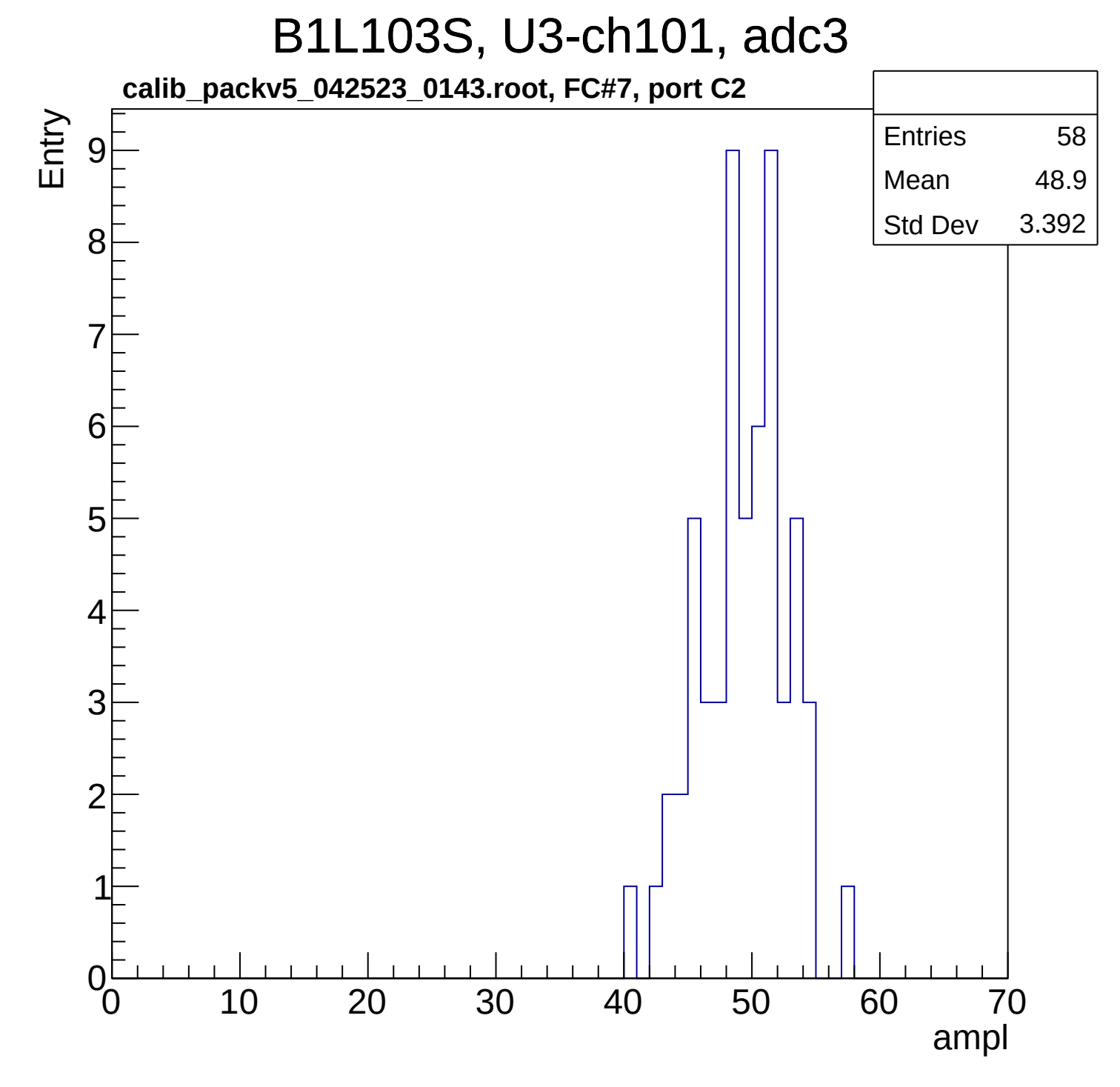
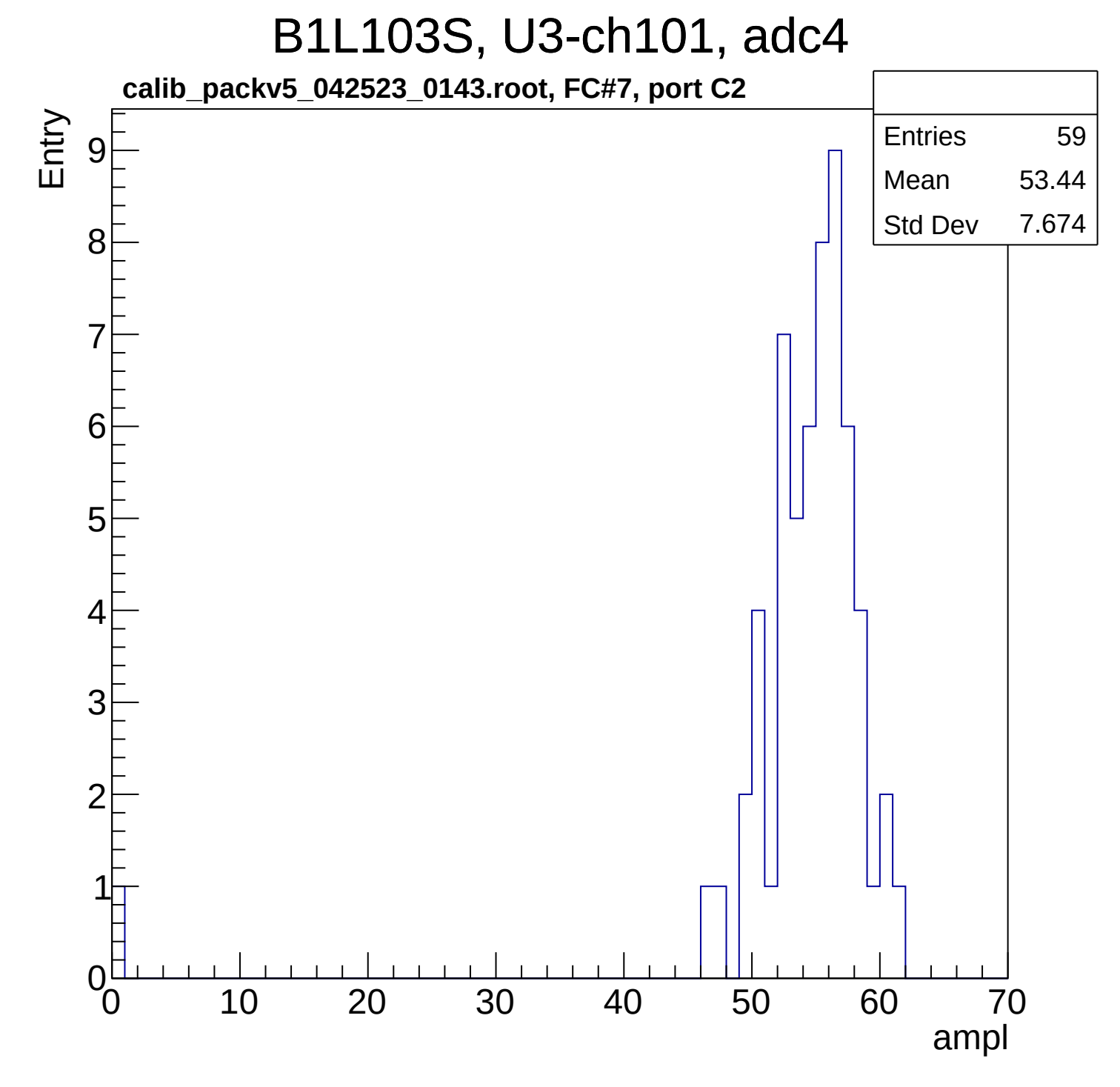
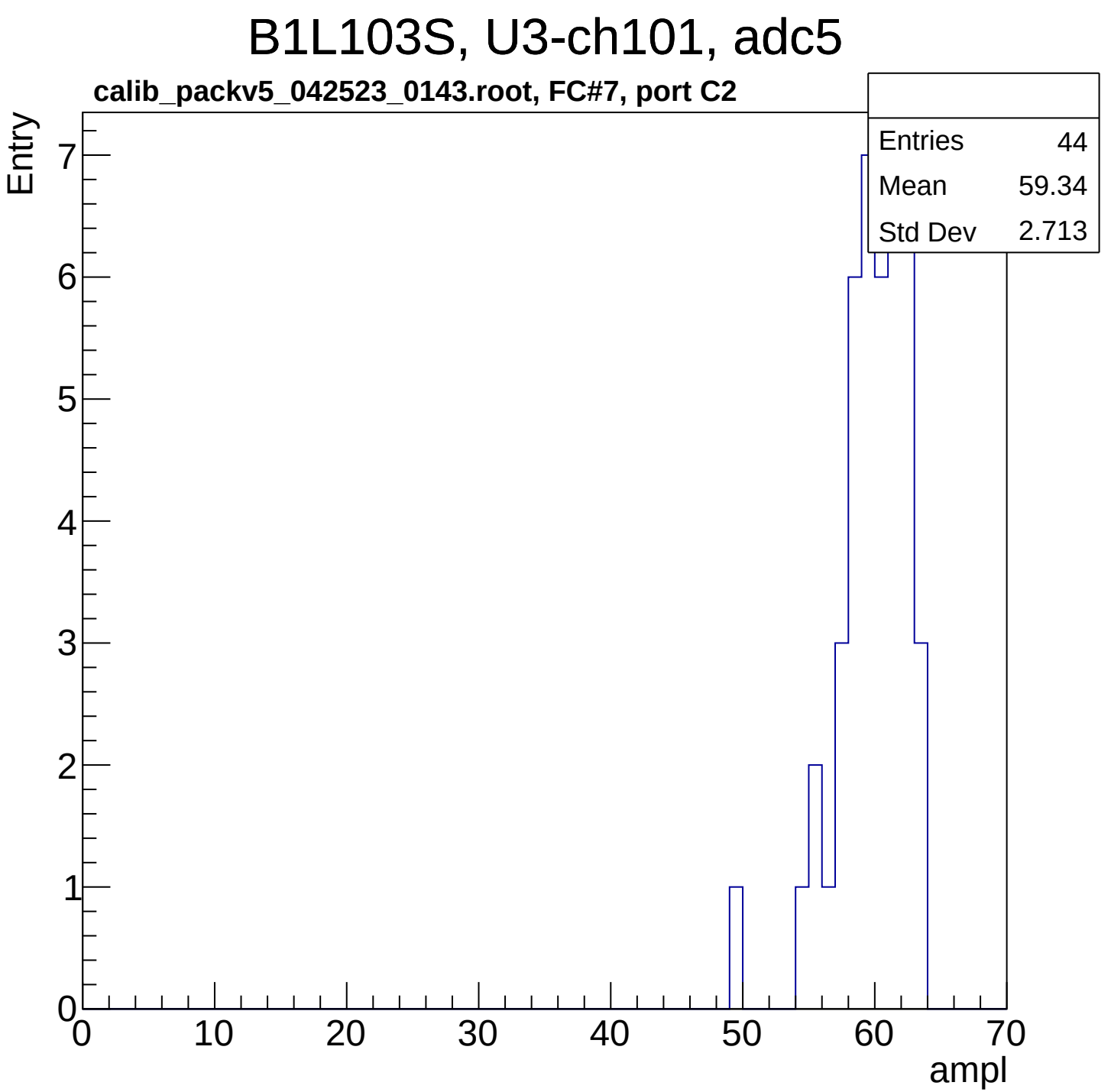

B1L103S, U3-ch101, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 48.9
Std Dev 3.392
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch101, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 53.44
Std Dev 7.674
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch101, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 59.34
Std Dev 2.713
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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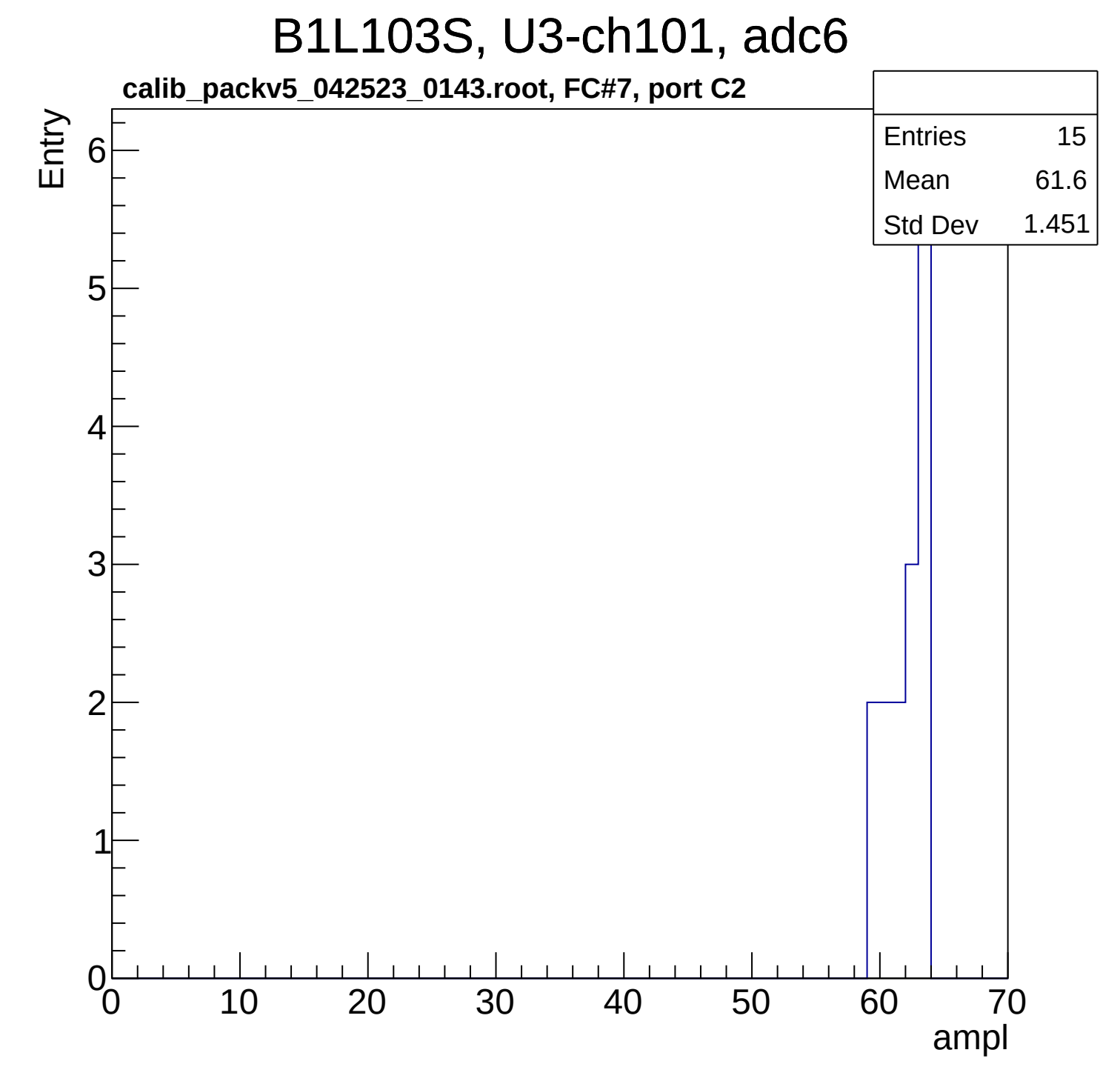
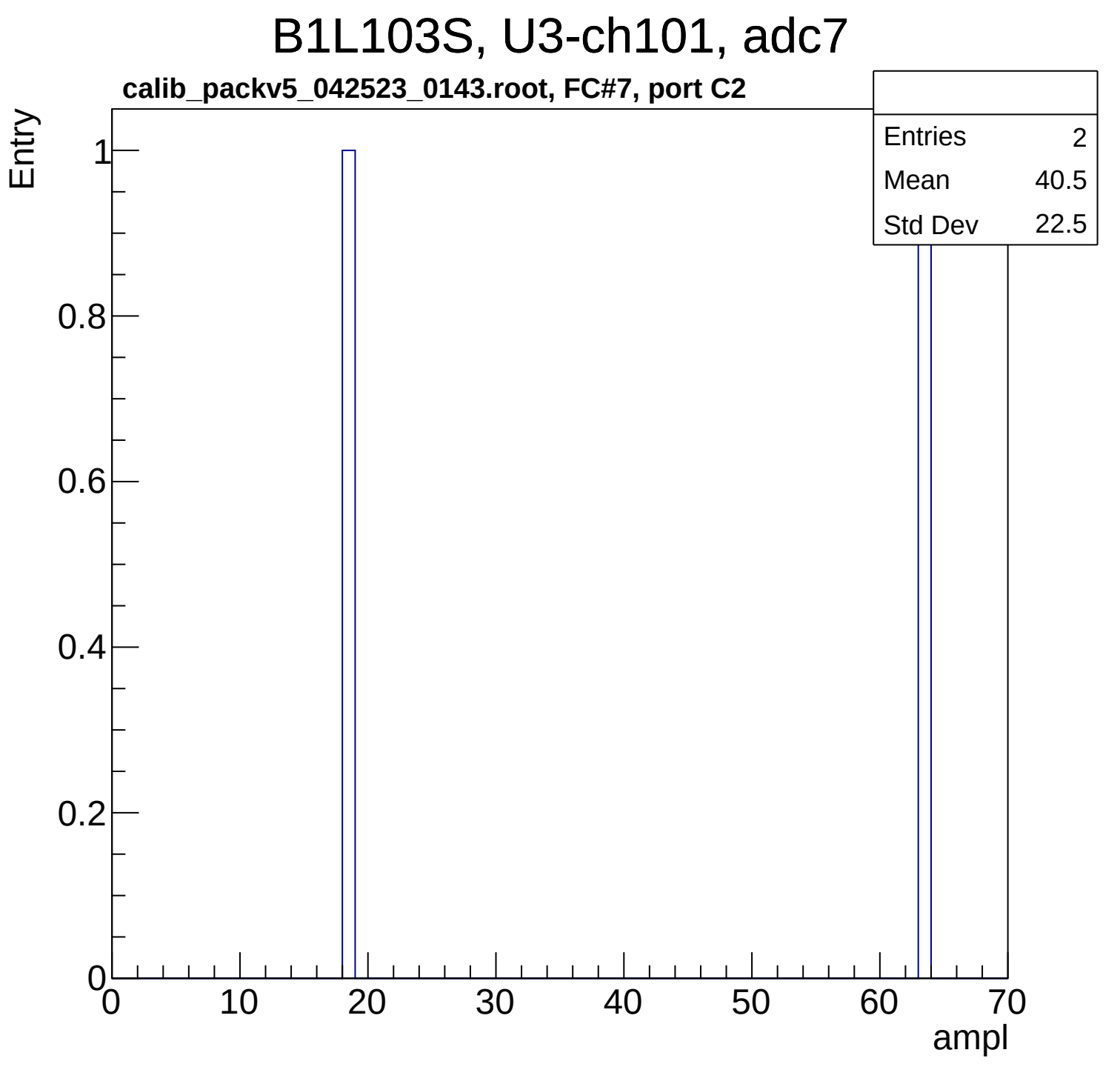
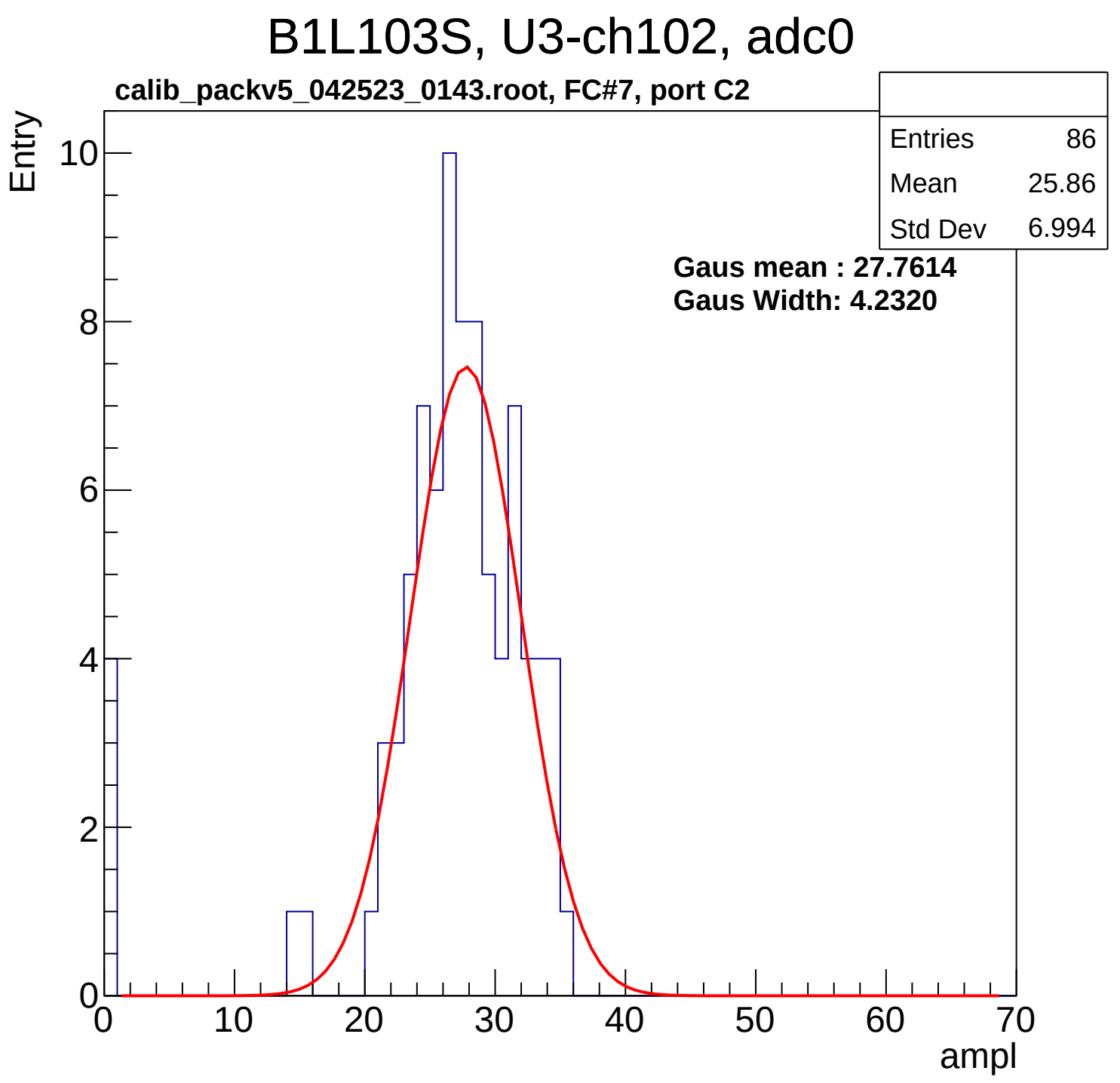
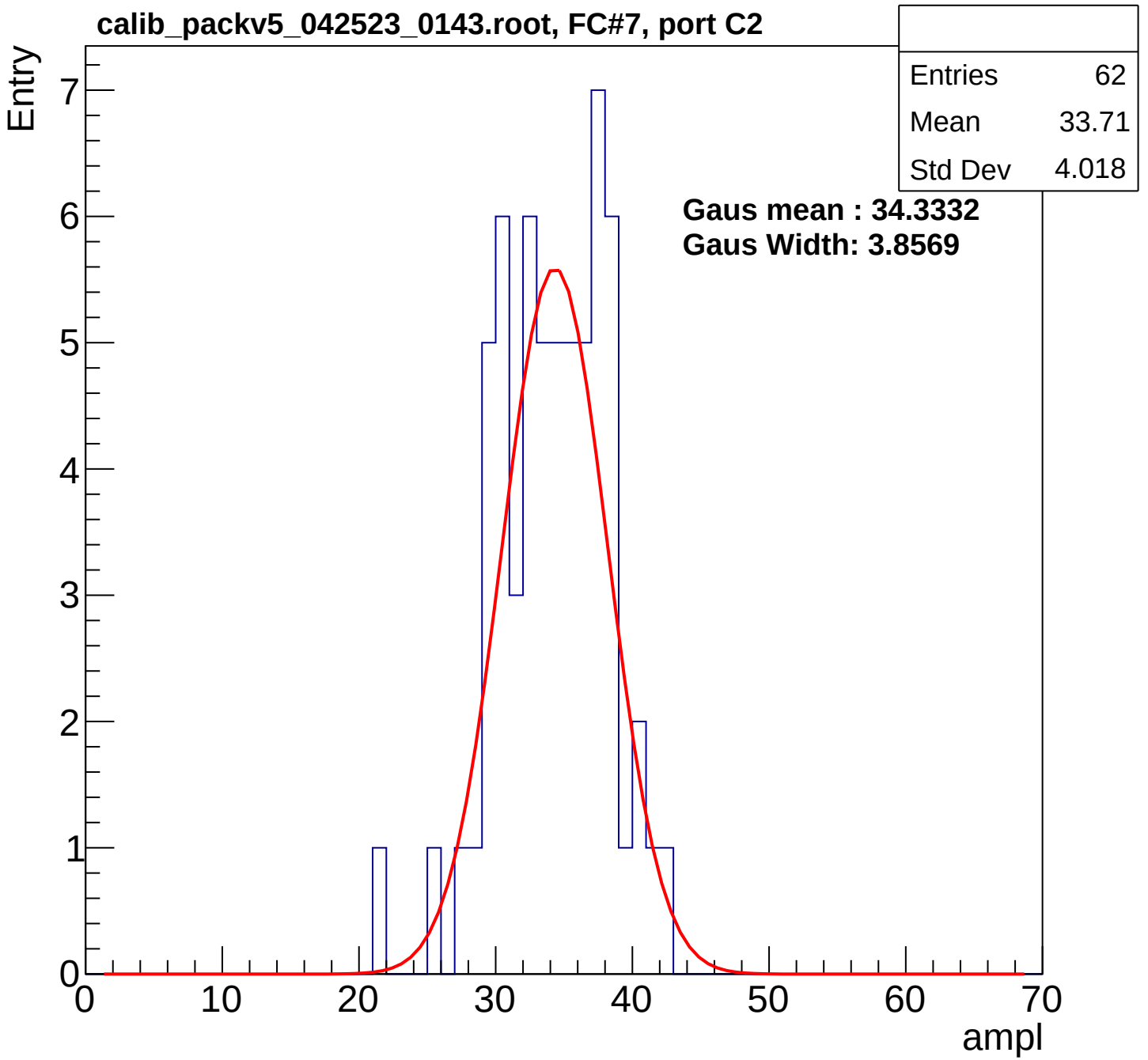
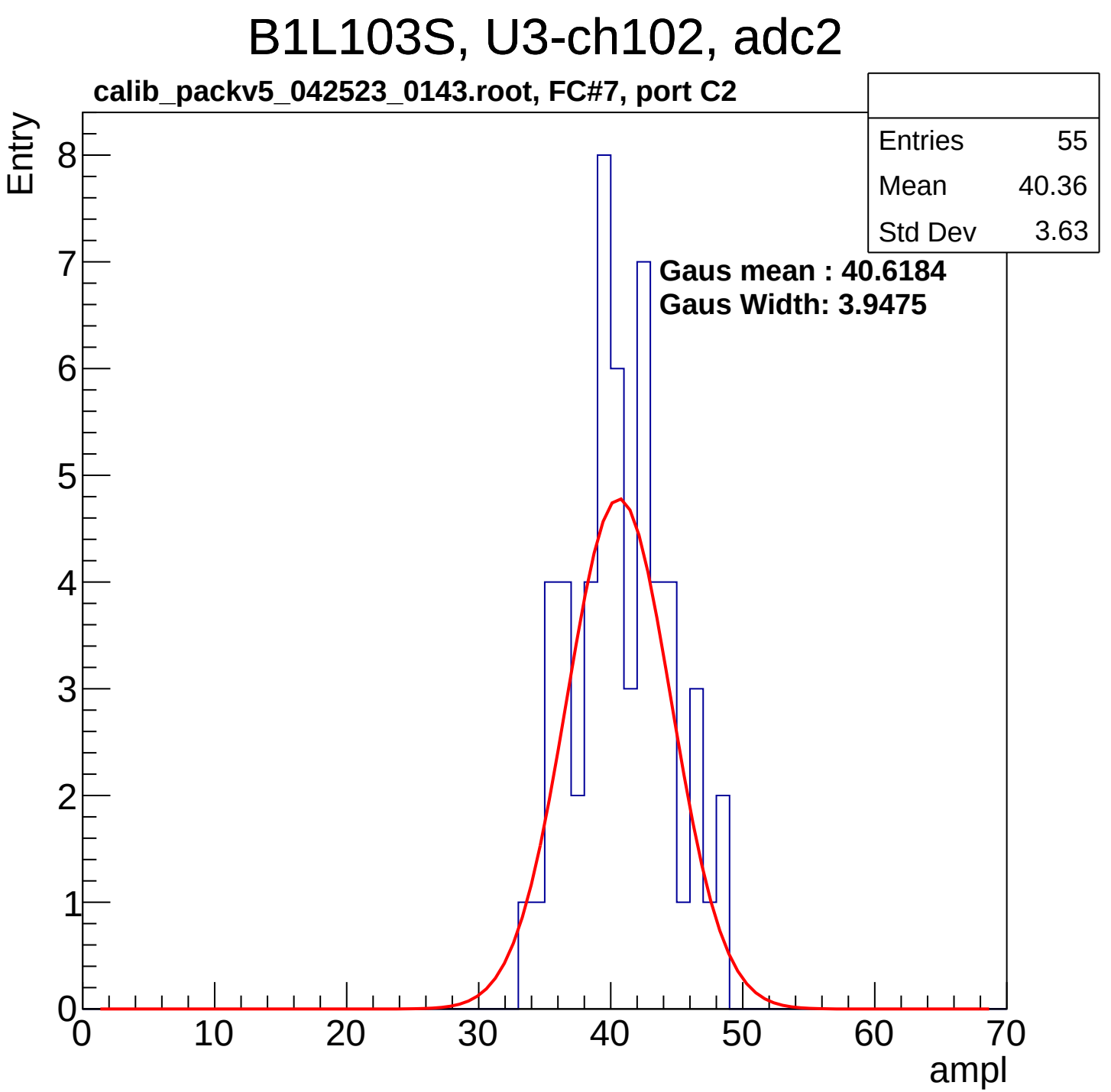
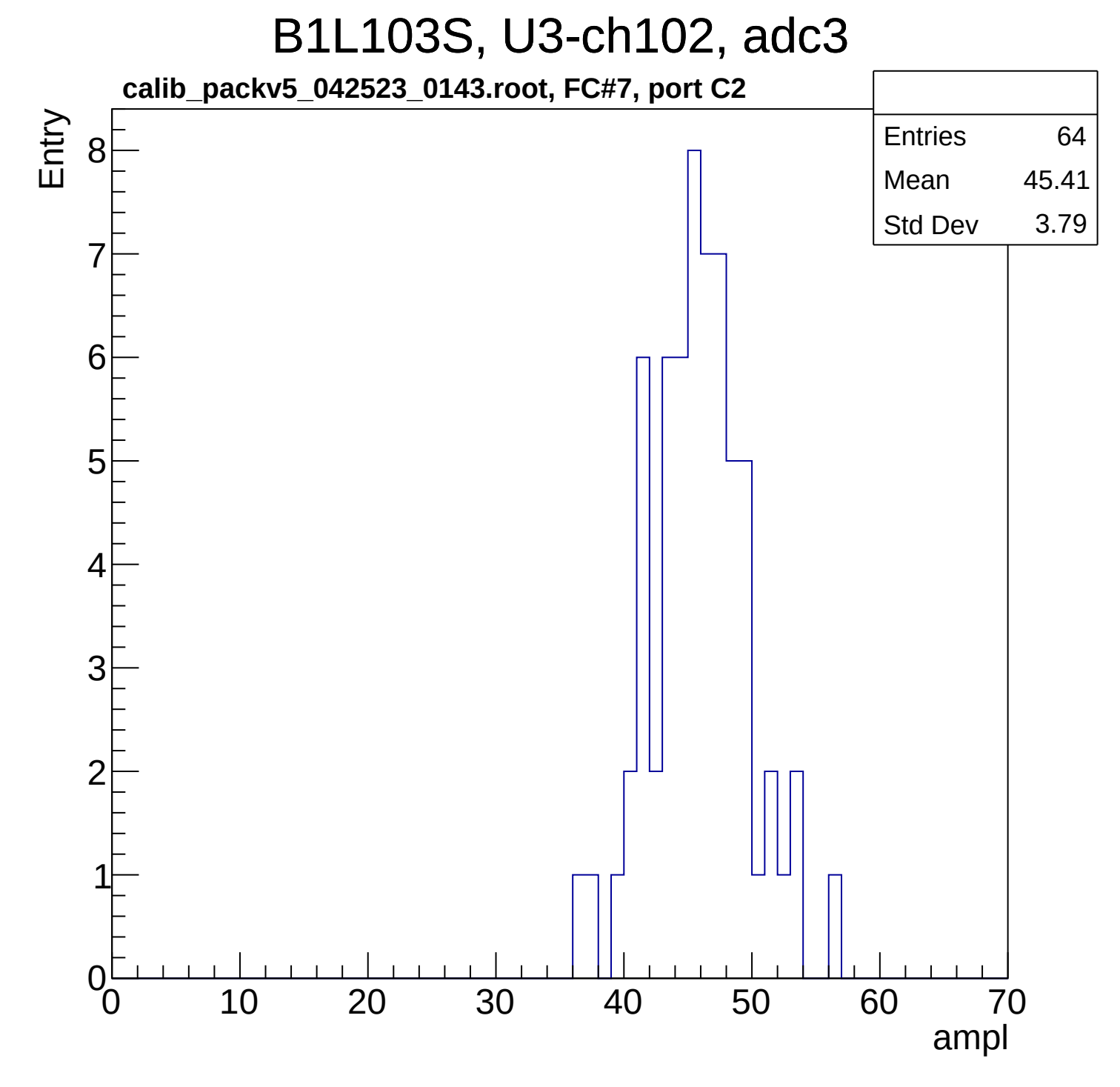

B1L103S, U3-ch101, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 61.6
Std Dev 1.451
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch101, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 40.5
Std Dev 22.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 86
Mean 25.86
Std Dev 6.994
Gaus mean : 27.7614
Gaus Width: 4.2320
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 33.71
Std Dev 4.018
Gaus mean : 34.3332
Gaus Width: 3.8569
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 40.36
Std Dev 3.63
Gaus mean : 40.6184
Gaus Width: 3.9475
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 45.41
Std Dev 3.79
Entry
ampl
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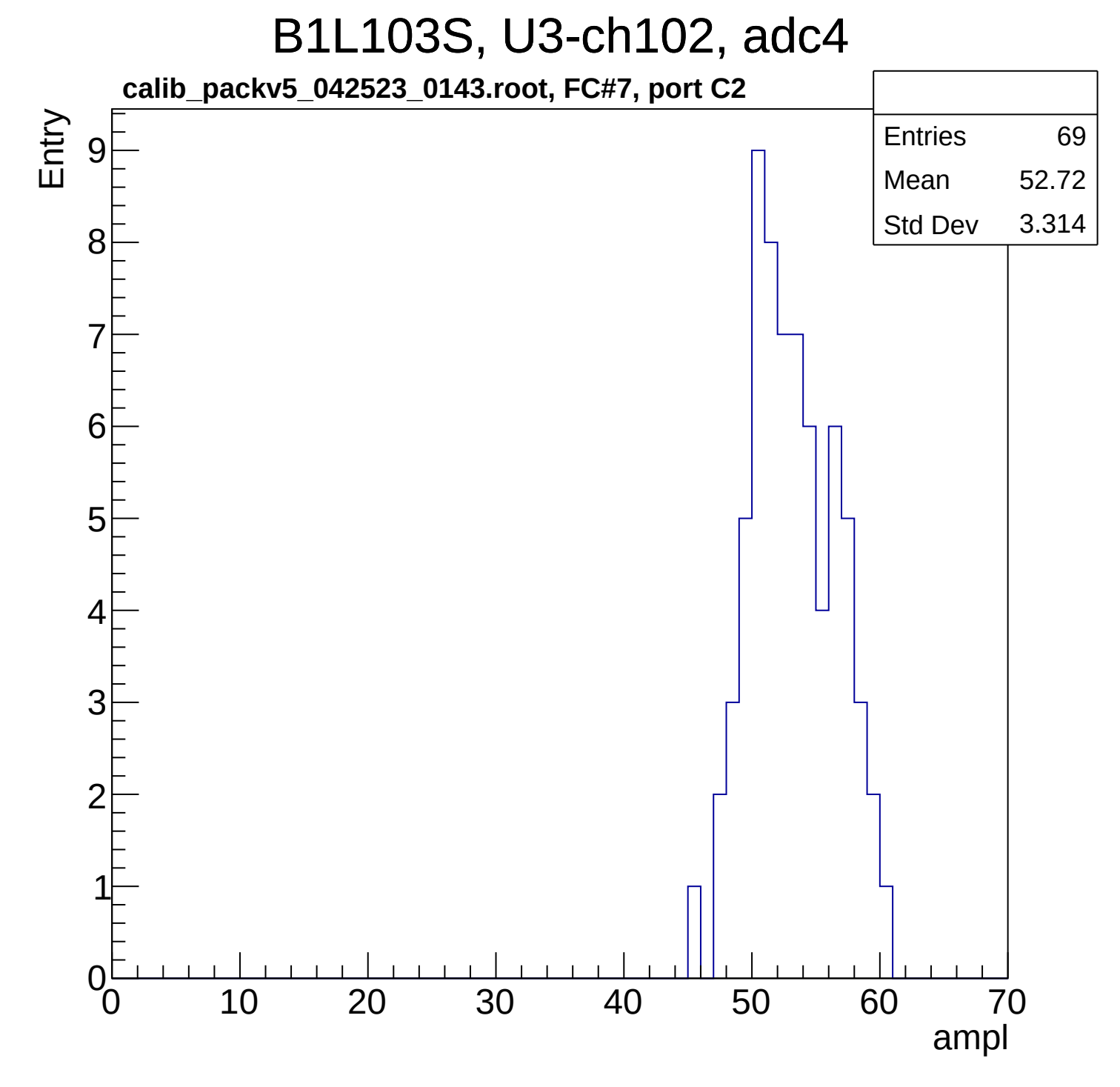
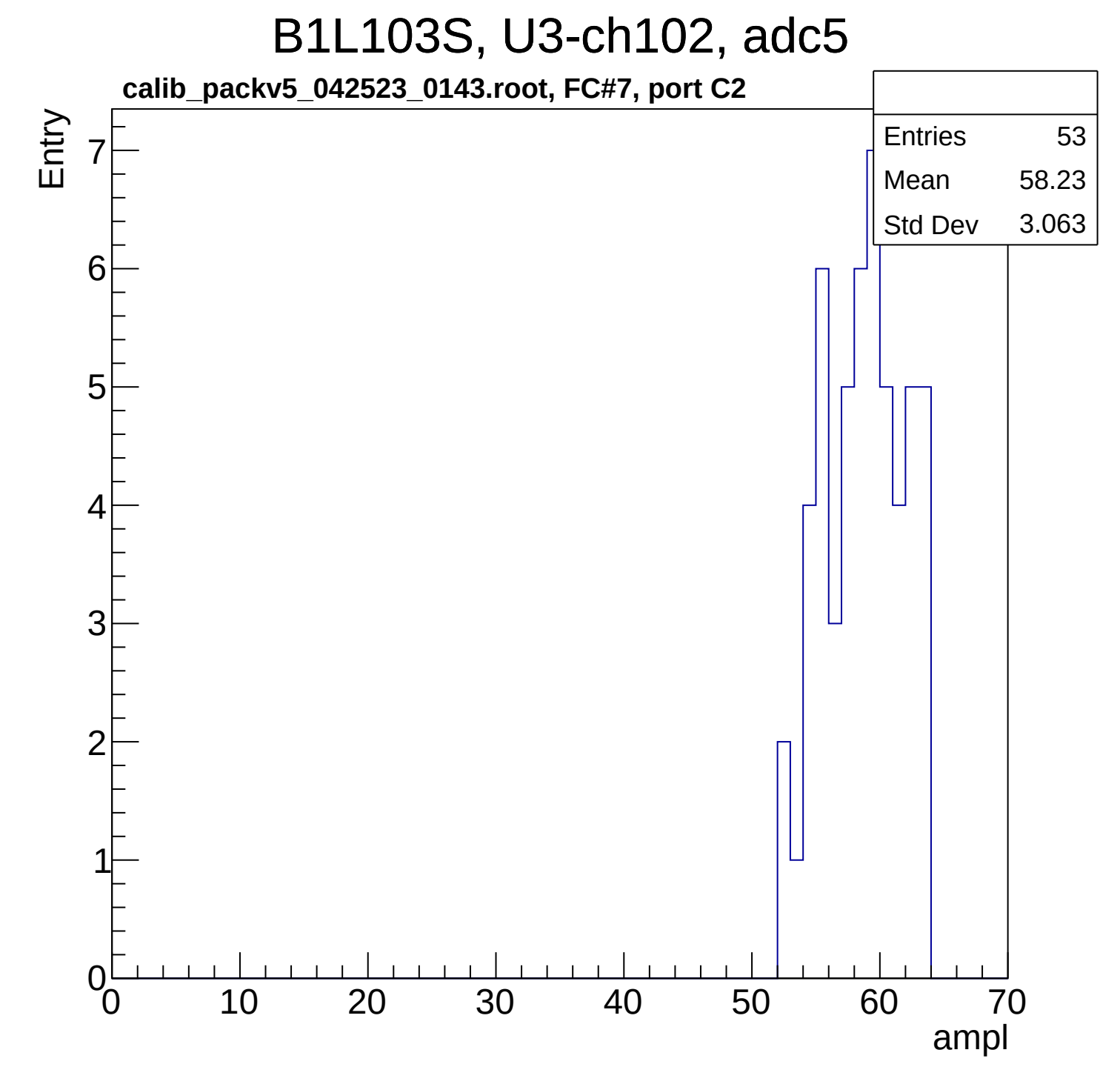
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 52.72
Std Dev 3.314
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch102, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 58.23
Std Dev 3.063
Entry
ampl
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1
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3
4
5
6
7
0
10
20
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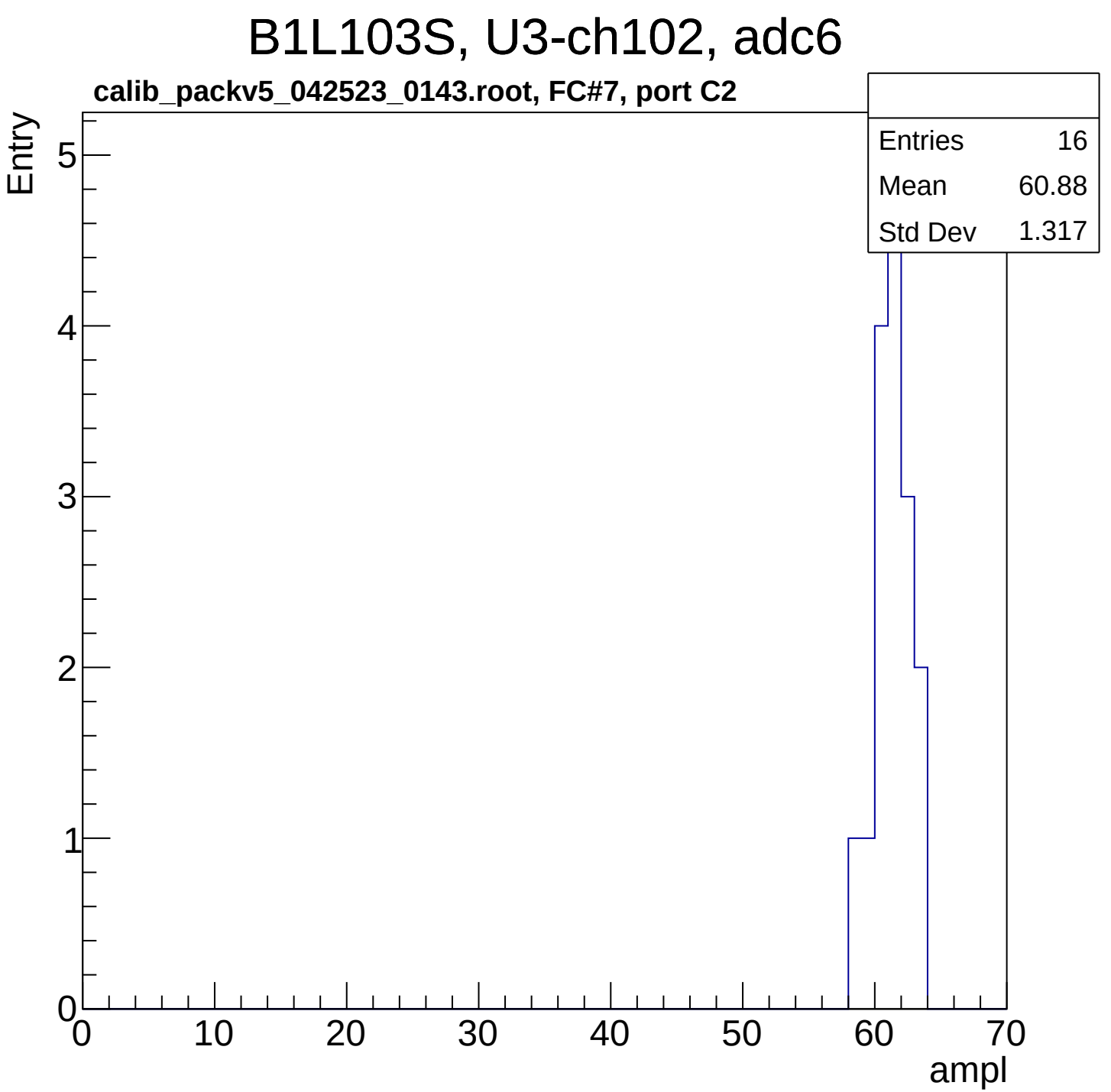
40
50
60
70


B1L103S, U3-ch102, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 60.88
Std Dev 1.317
Entry
0
1
2
3
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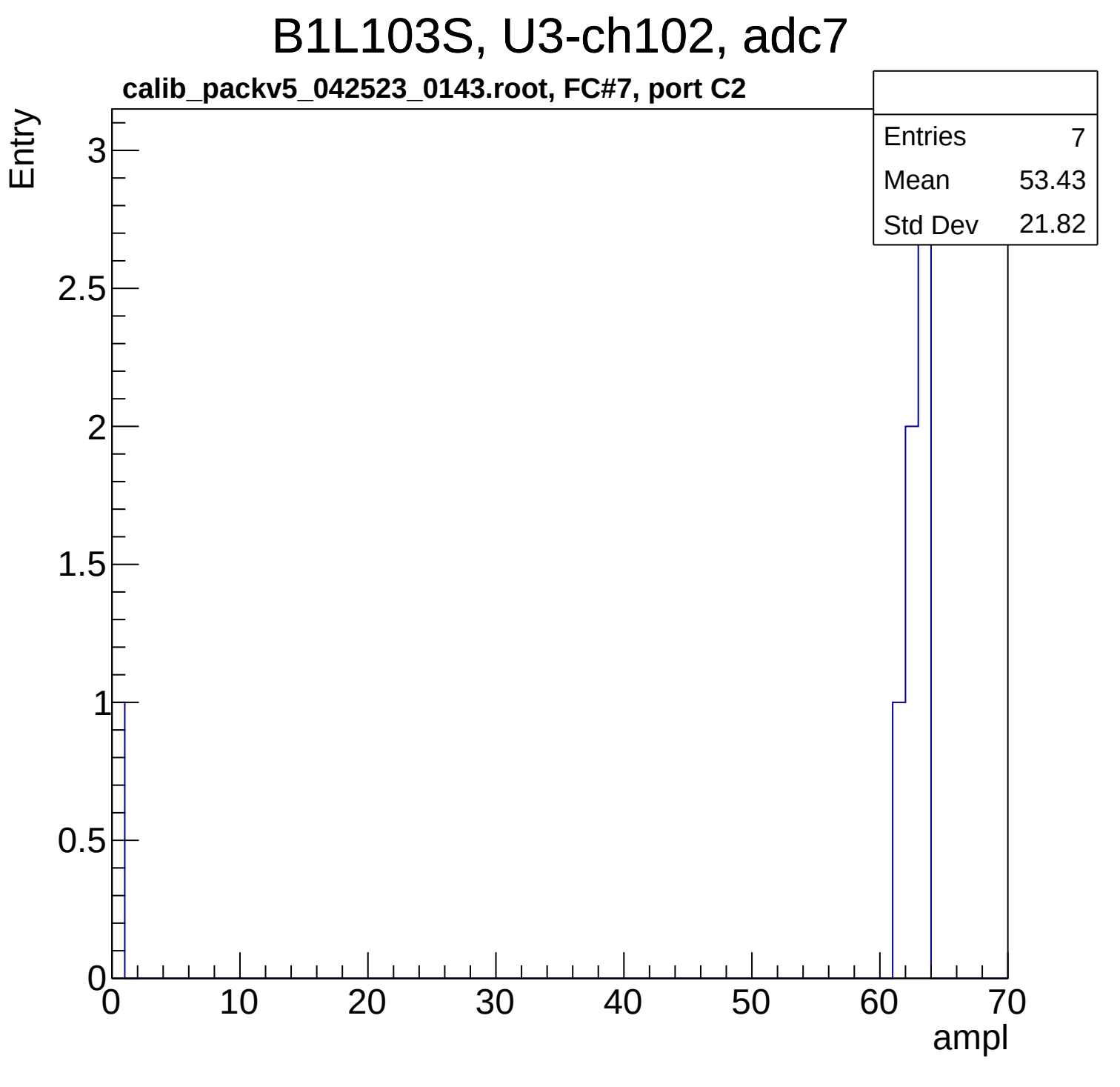
5
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch102, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 7
Mean 53.43
Std Dev 21.82
Entry
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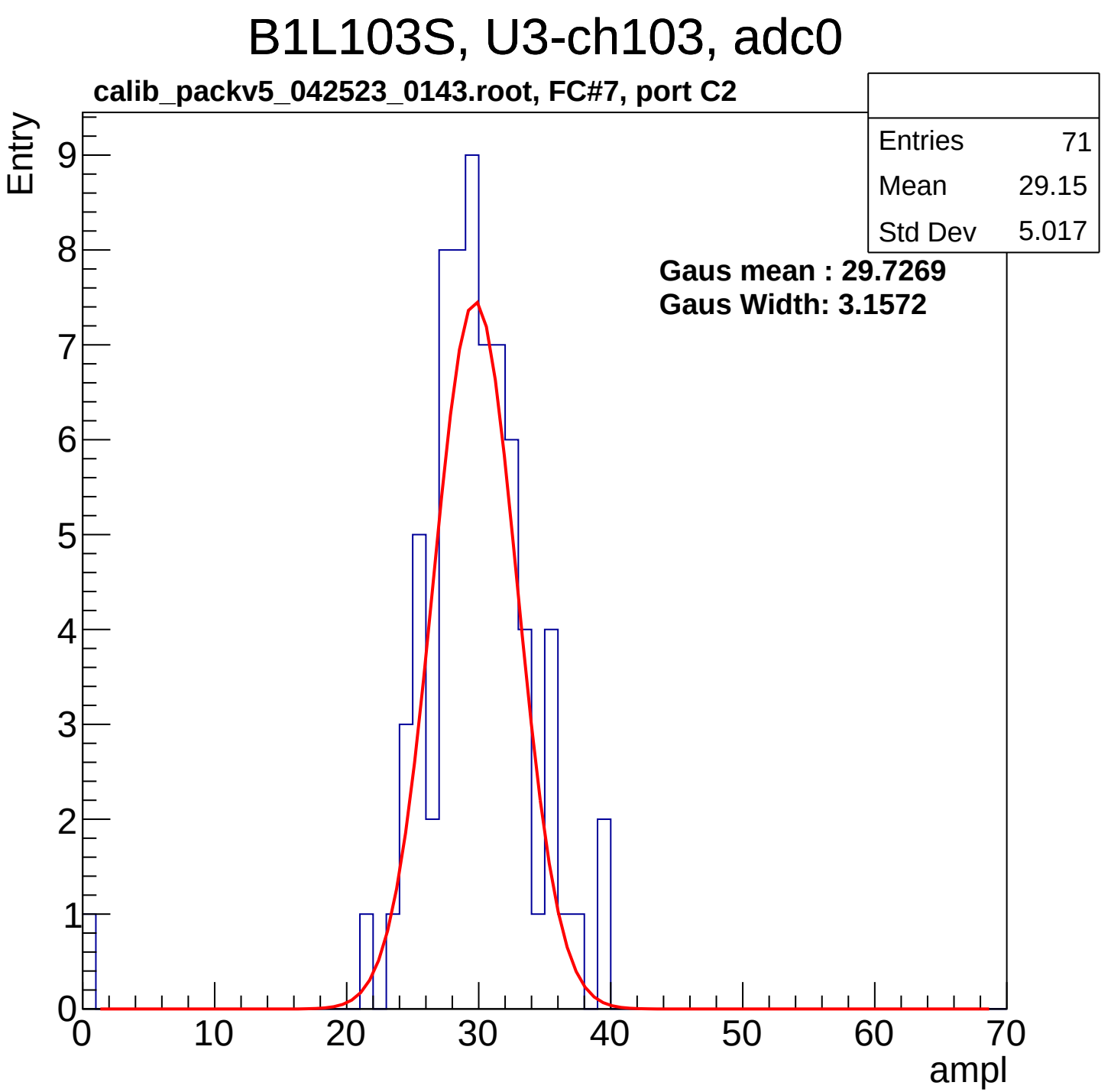
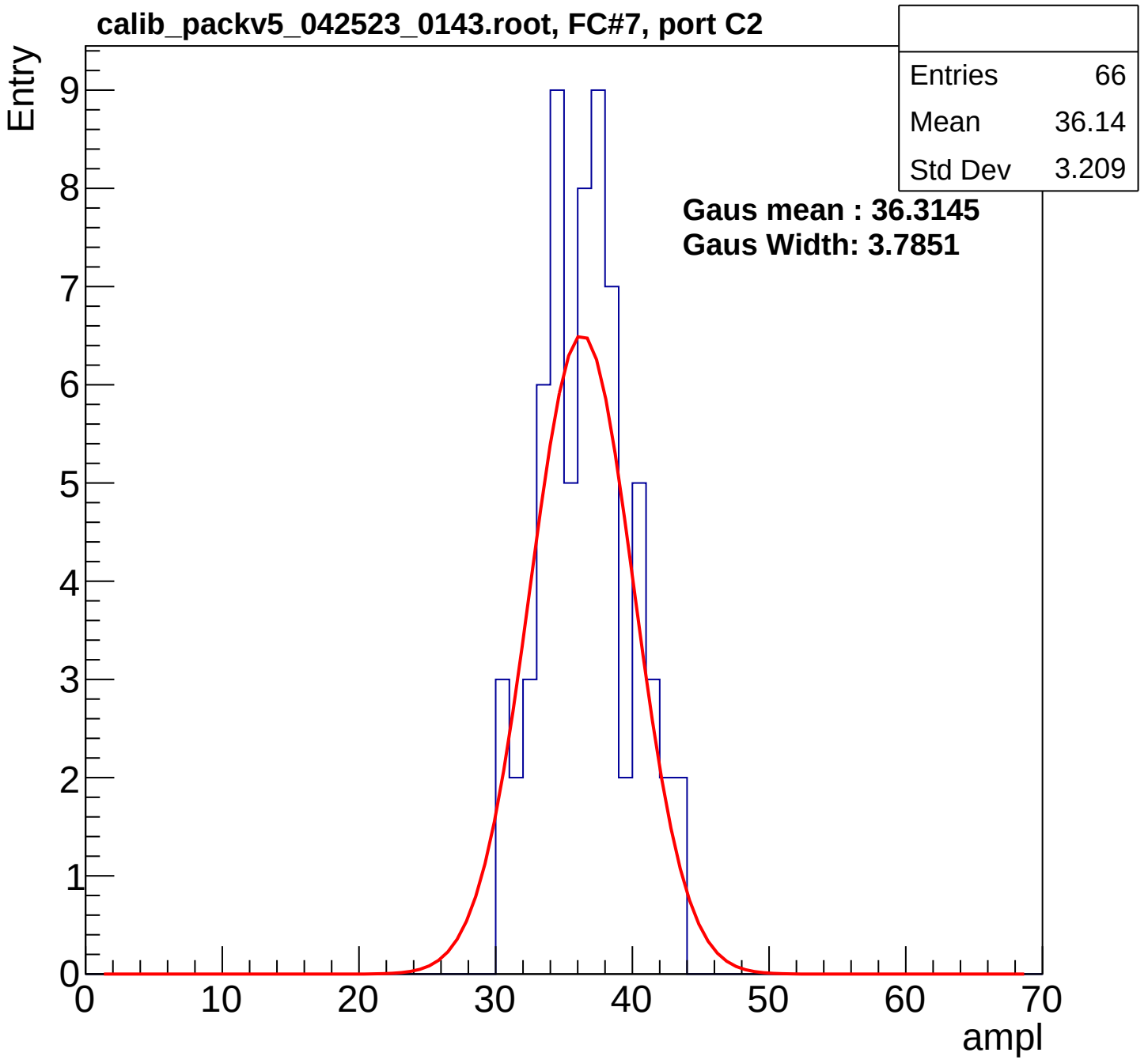
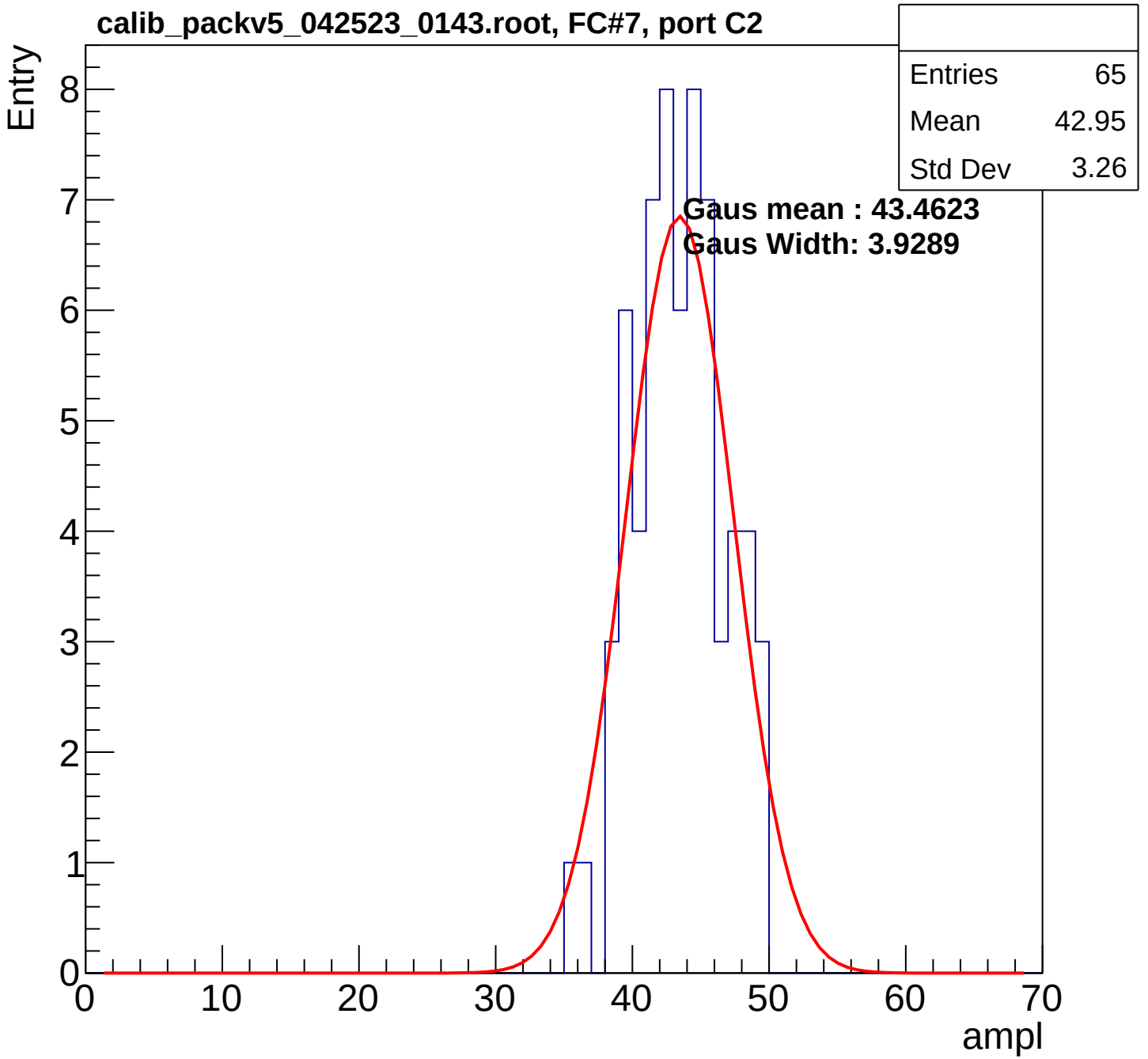
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch103, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 29.15
Std Dev 5.017
Gaus mean : 29.7269
Gaus Width: 3.1572
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch103, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 36.14
Std Dev 3.209
Gaus mean : 36.3145
Gaus Width: 3.7851
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch103, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 42.95
Std Dev 3.26
Gaus mean : 43.4623
Gaus Width: 3.9289
Entry
ampl
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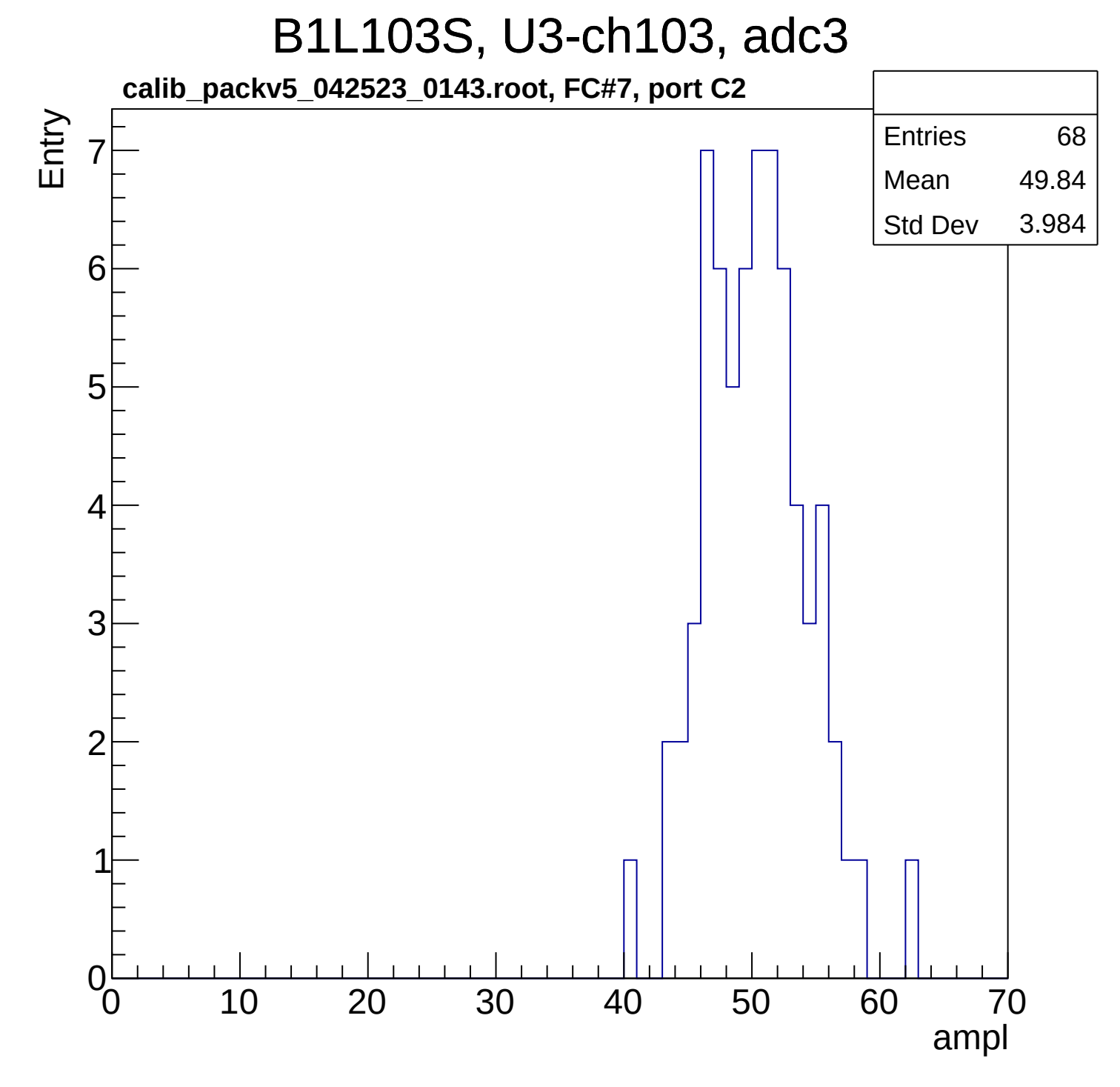
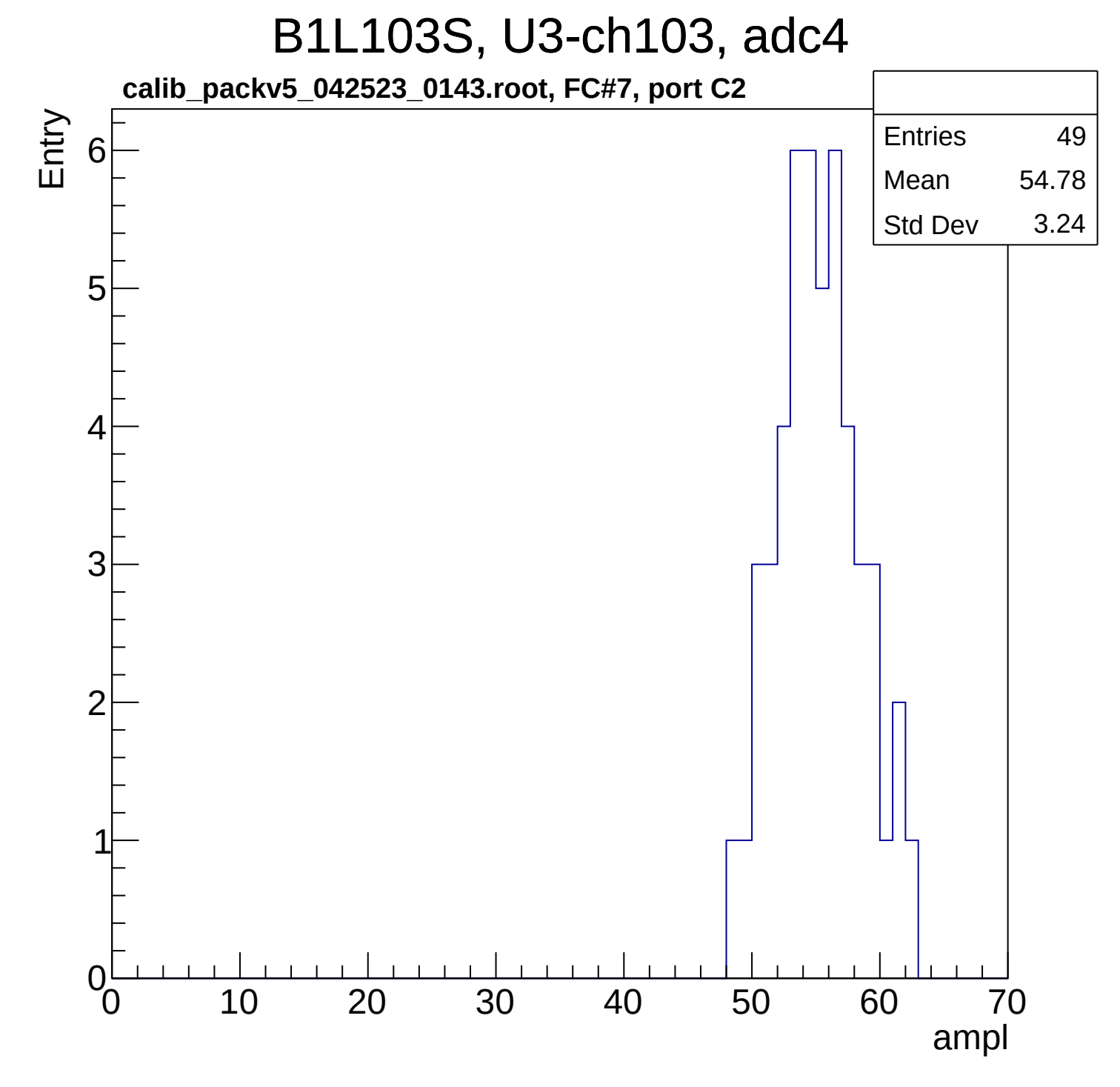
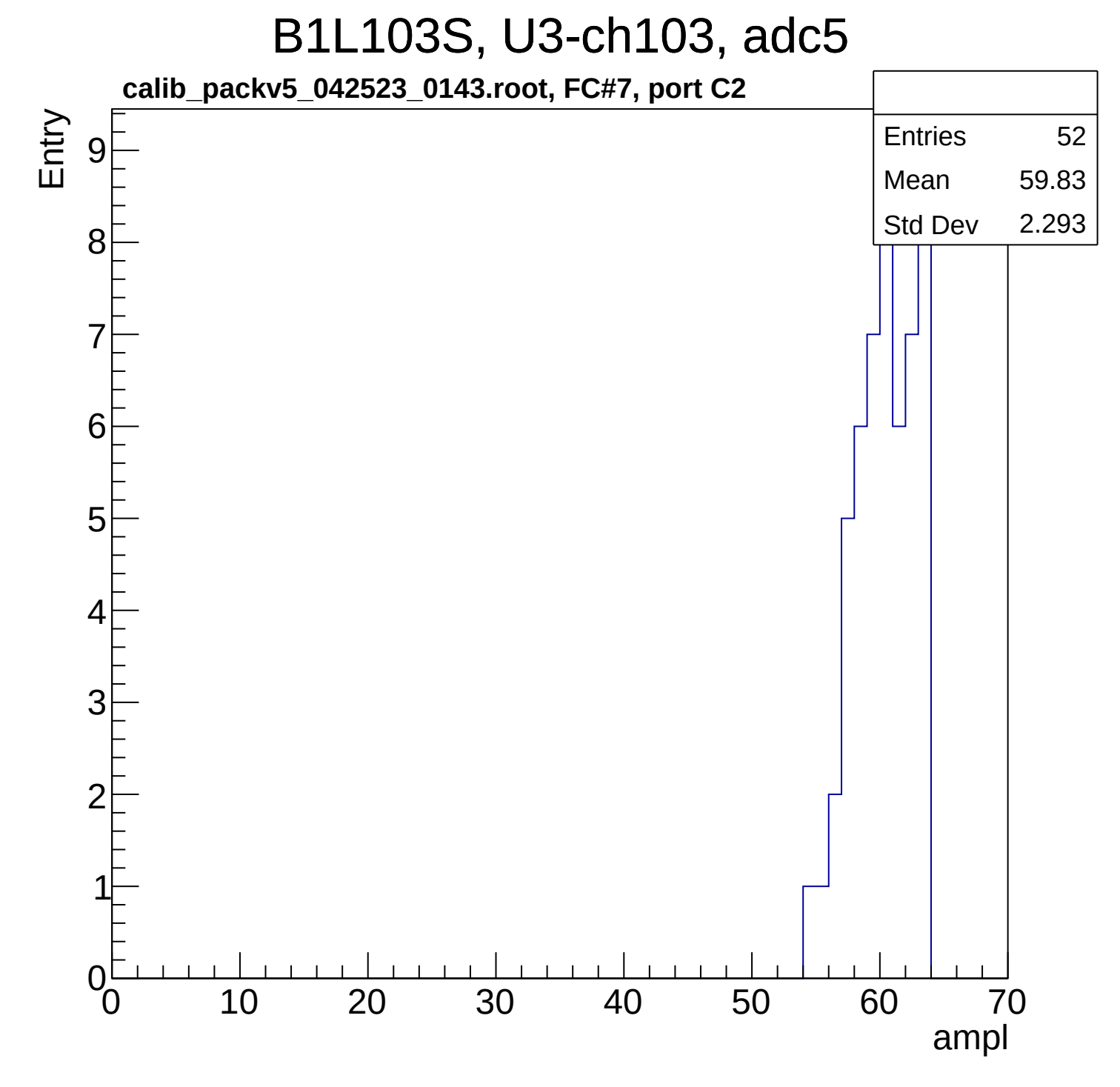
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch103, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 49.84
Std Dev 3.984
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch103, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 54.78
Std Dev 3.24
Entry
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch103, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 59.83
Std Dev 2.293
Entry
ampl
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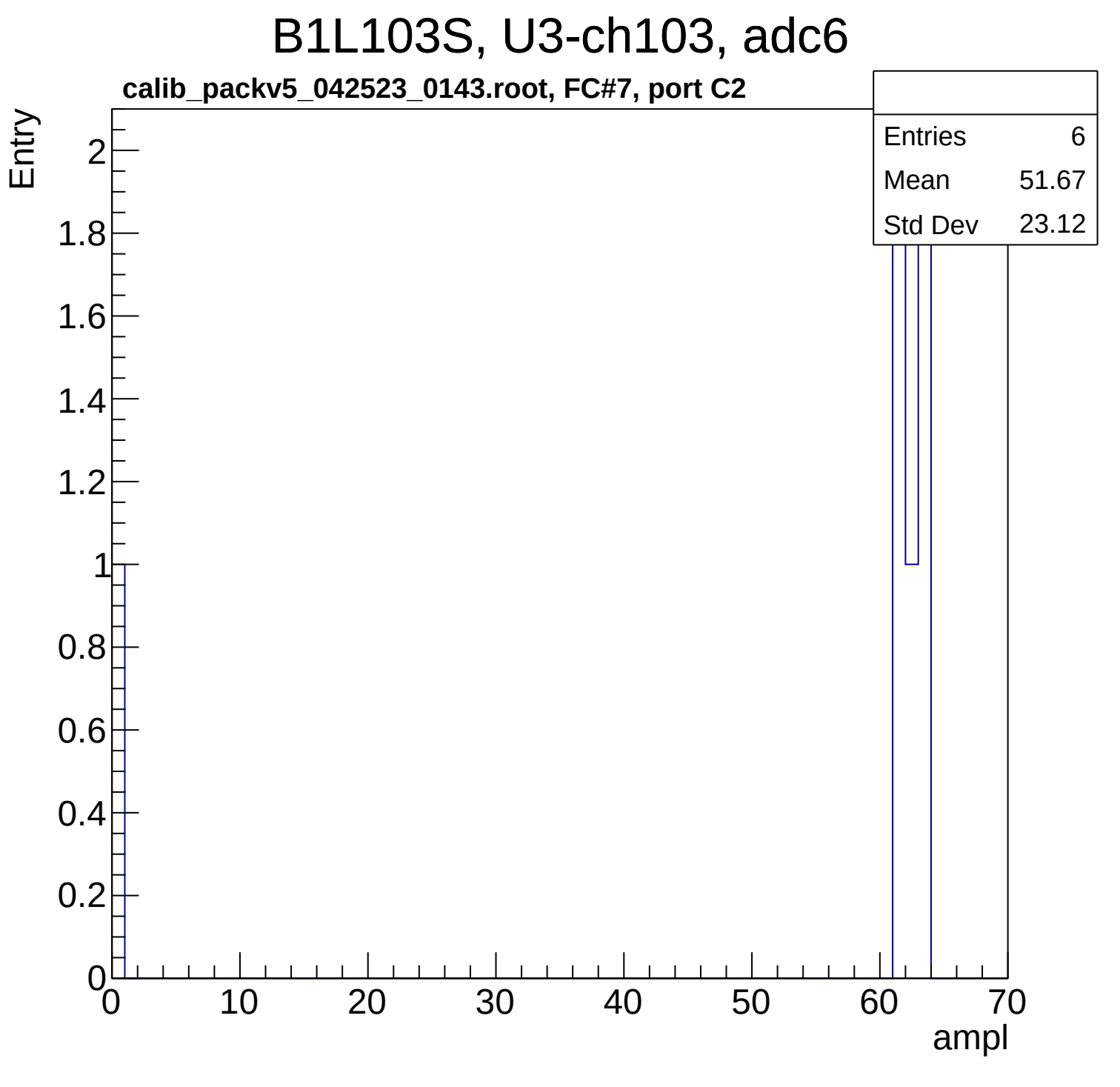
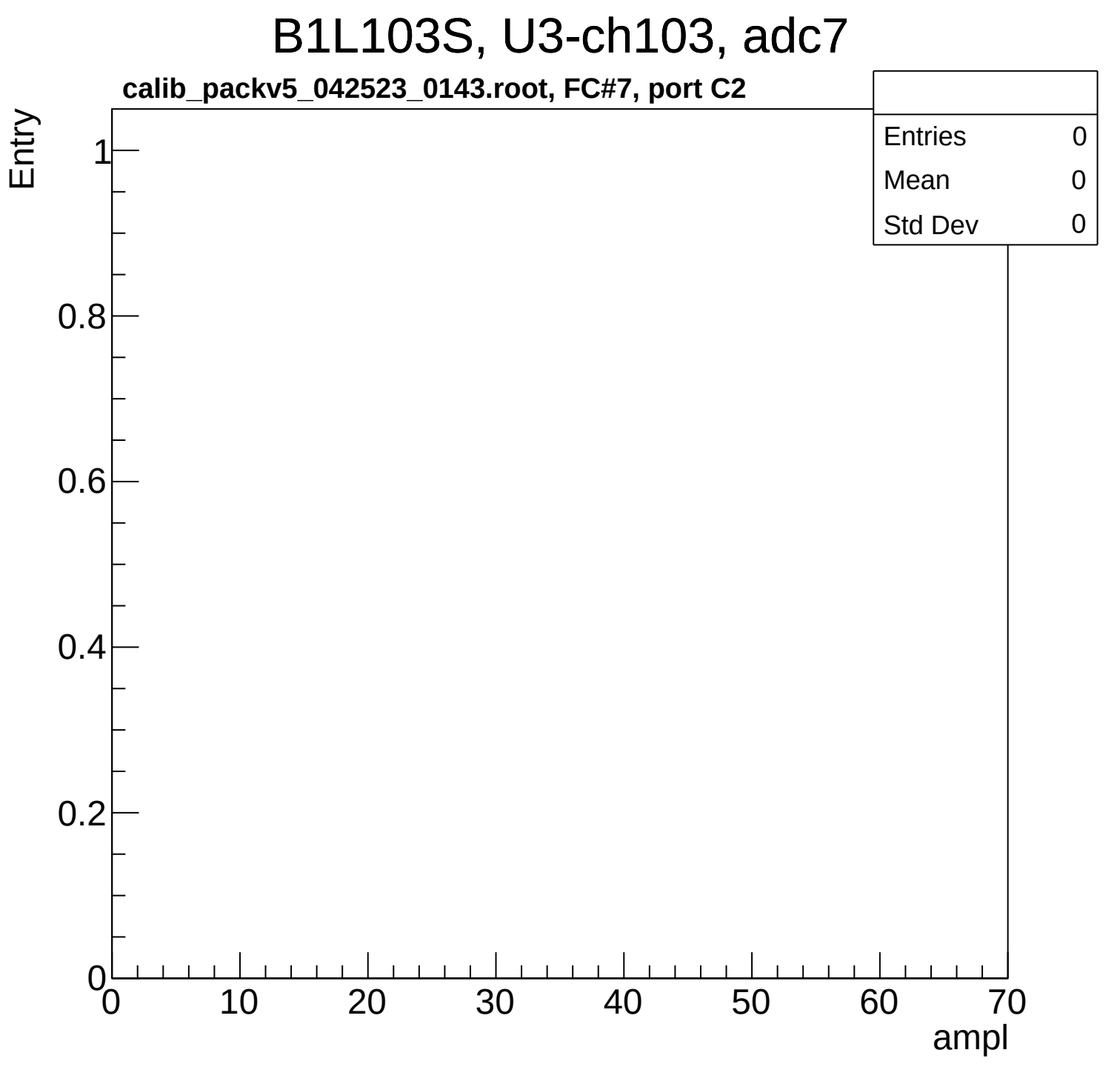
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch103, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 51.67
Std Dev 23.12
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


B1L103S, U3-ch103, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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0.4
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10
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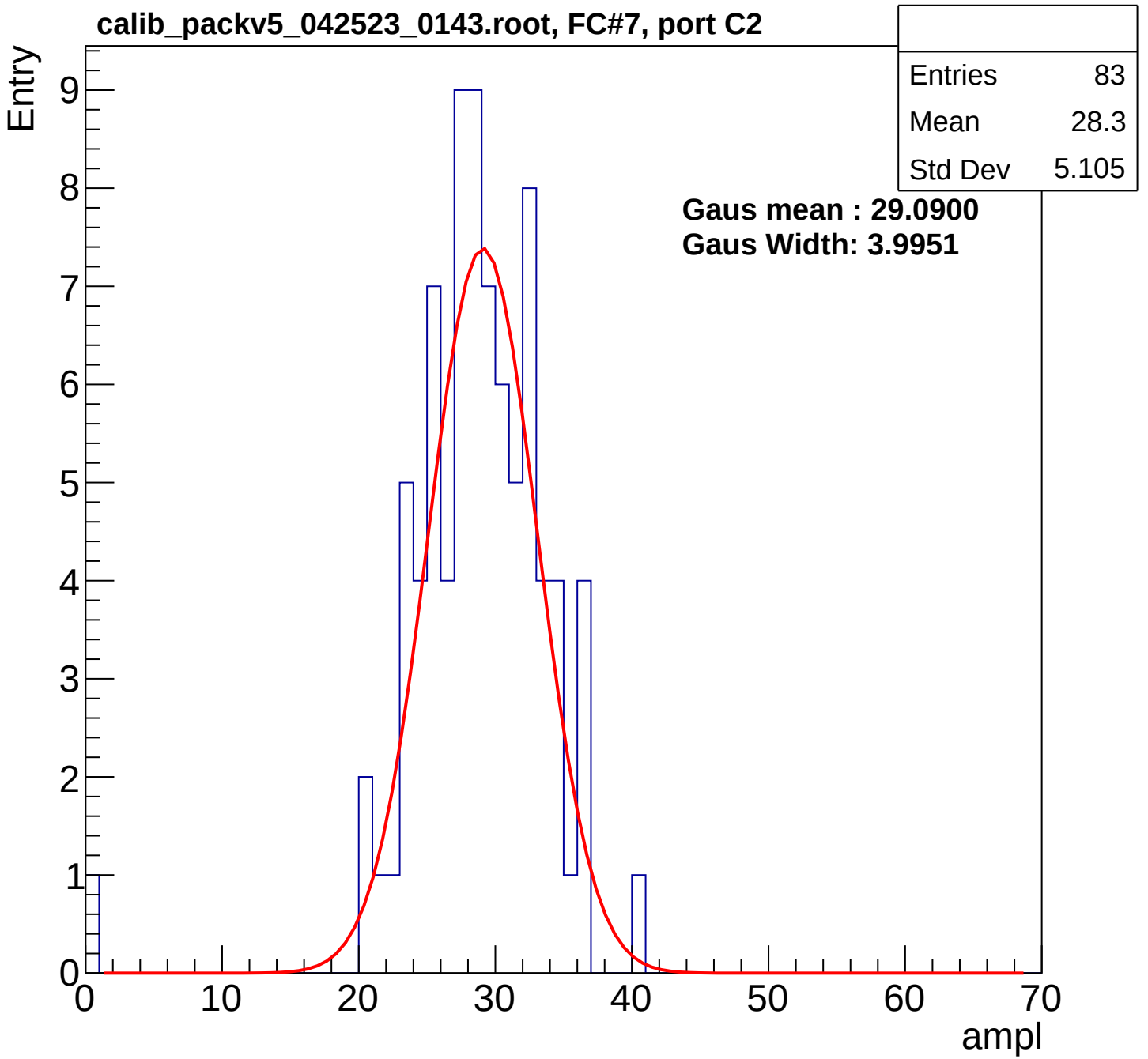
ampl


B1L103S, U3-ch104, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 83
Mean 28.3
Std Dev 5.105
Gaus mean : 29.0900
Gaus Width: 3.9951
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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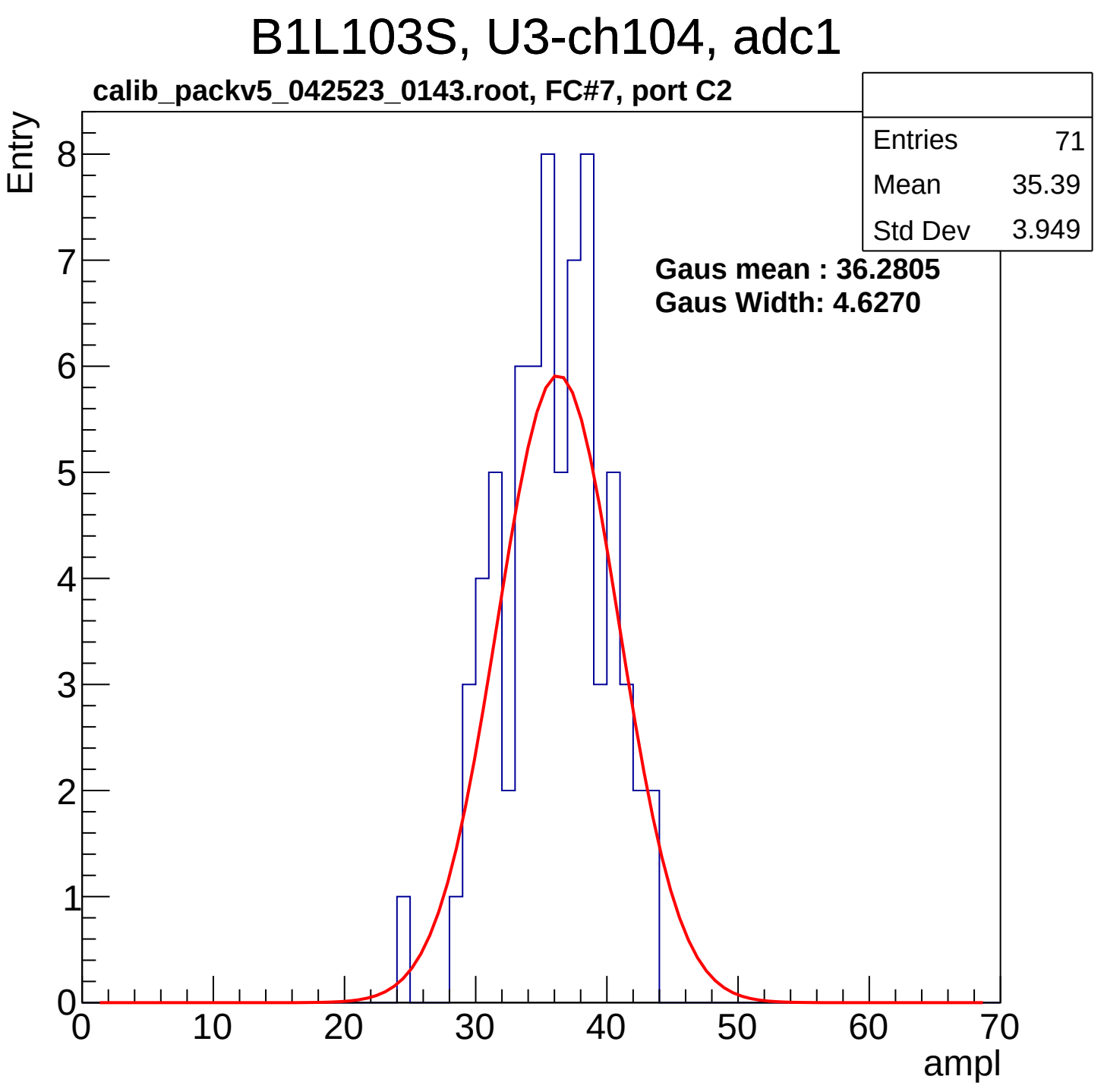
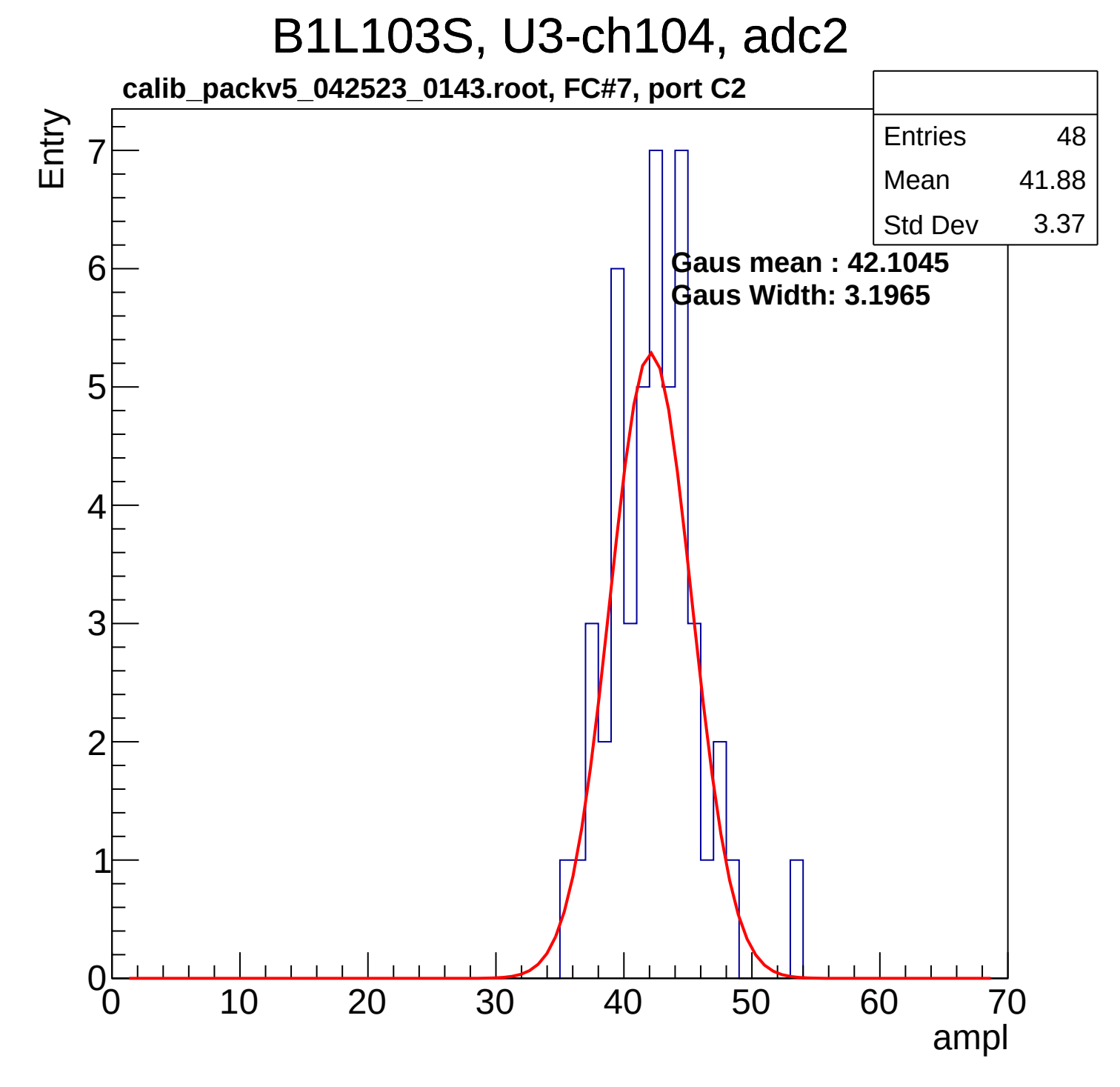

B1L103S, U3-ch104, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 35.39
Std Dev 3.949
Gaus mean : 36.2805
Gaus Width: 4.6270
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch104, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 41.88
Std Dev 3.37
Gaus mean : 42.1045
Gaus Width: 3.1965
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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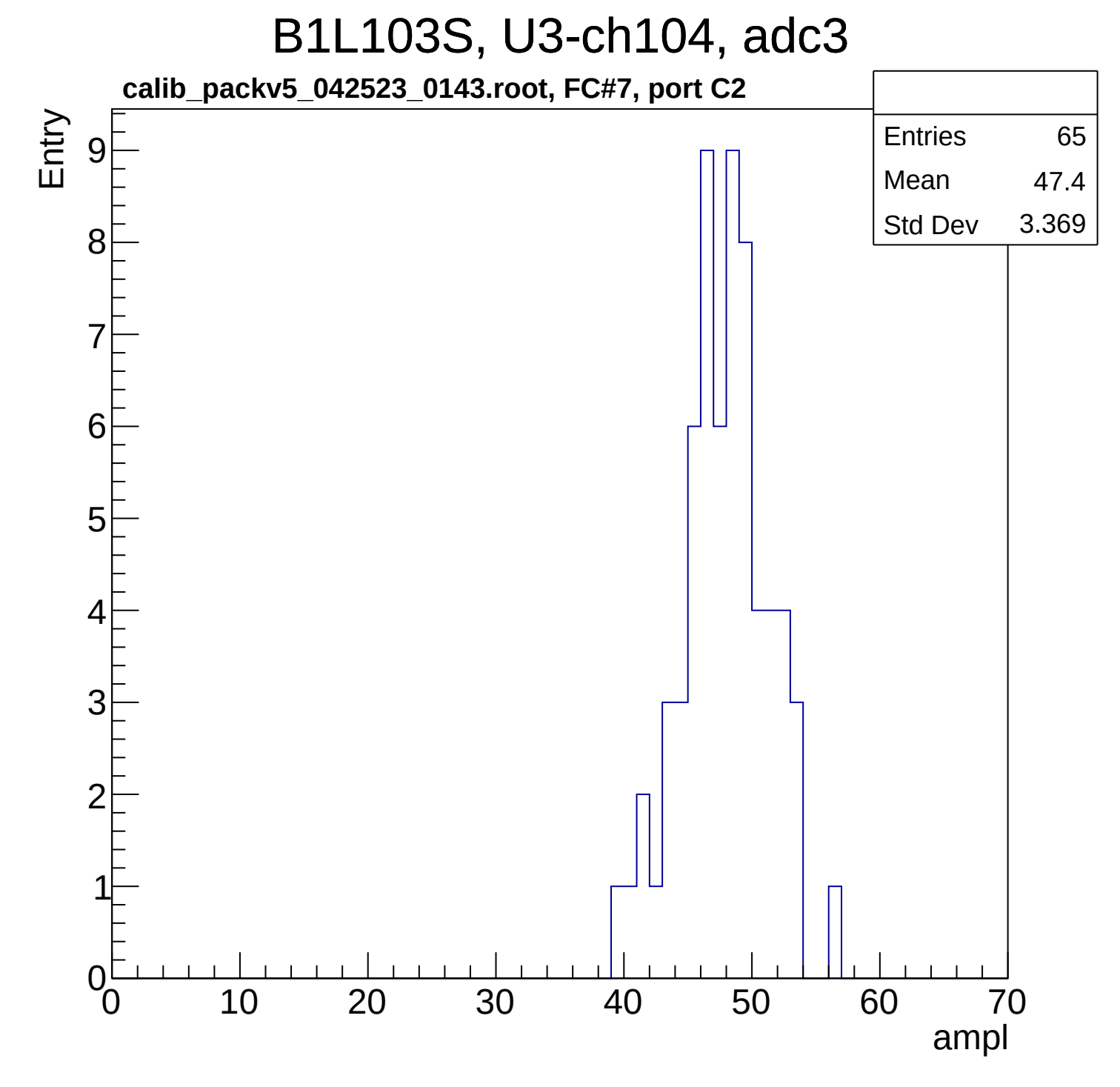
B1L103S, U3-ch104, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 47.4
Std Dev 3.369
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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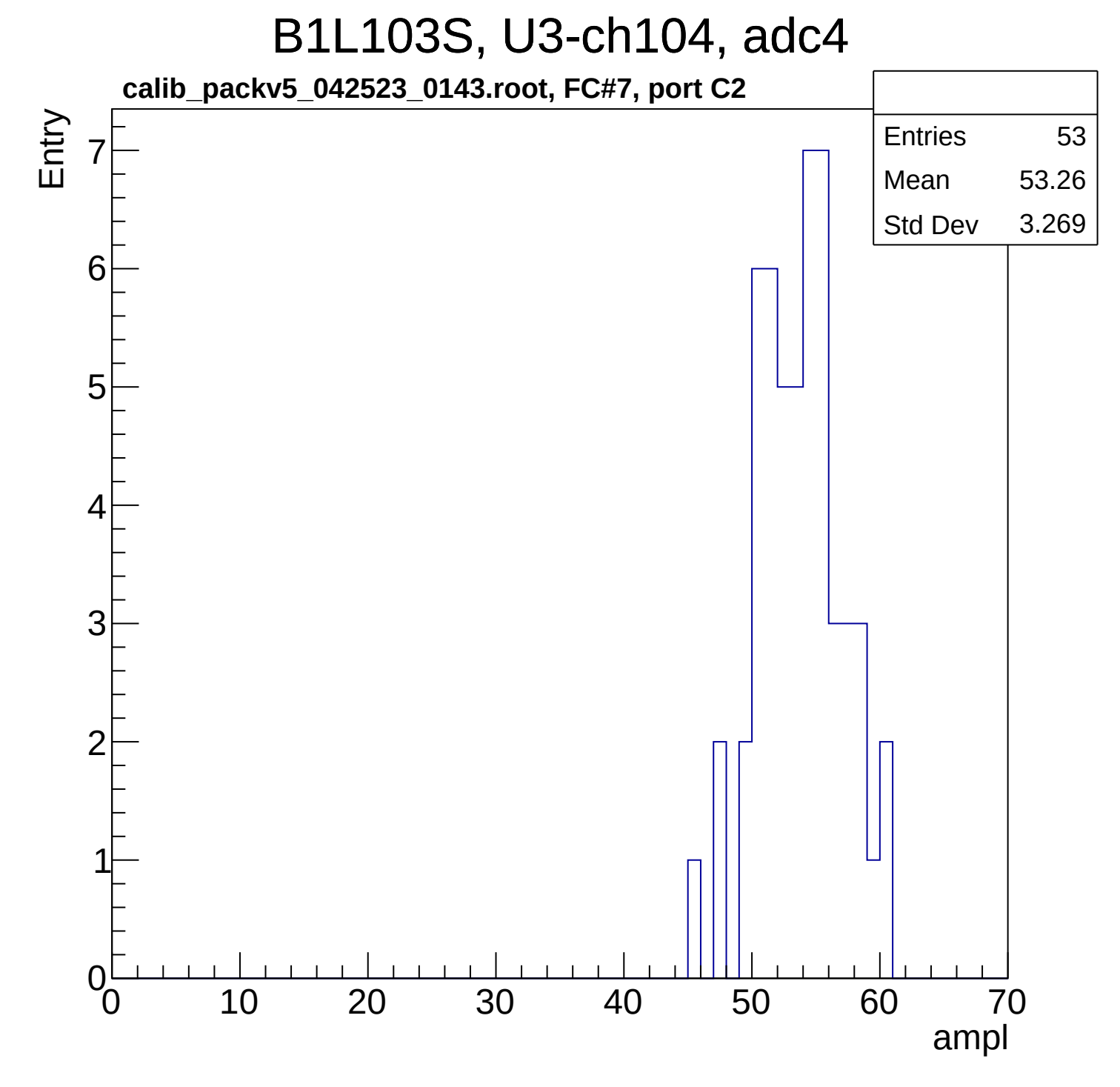
B1L103S, U3-ch104, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 53.26
Std Dev 3.269
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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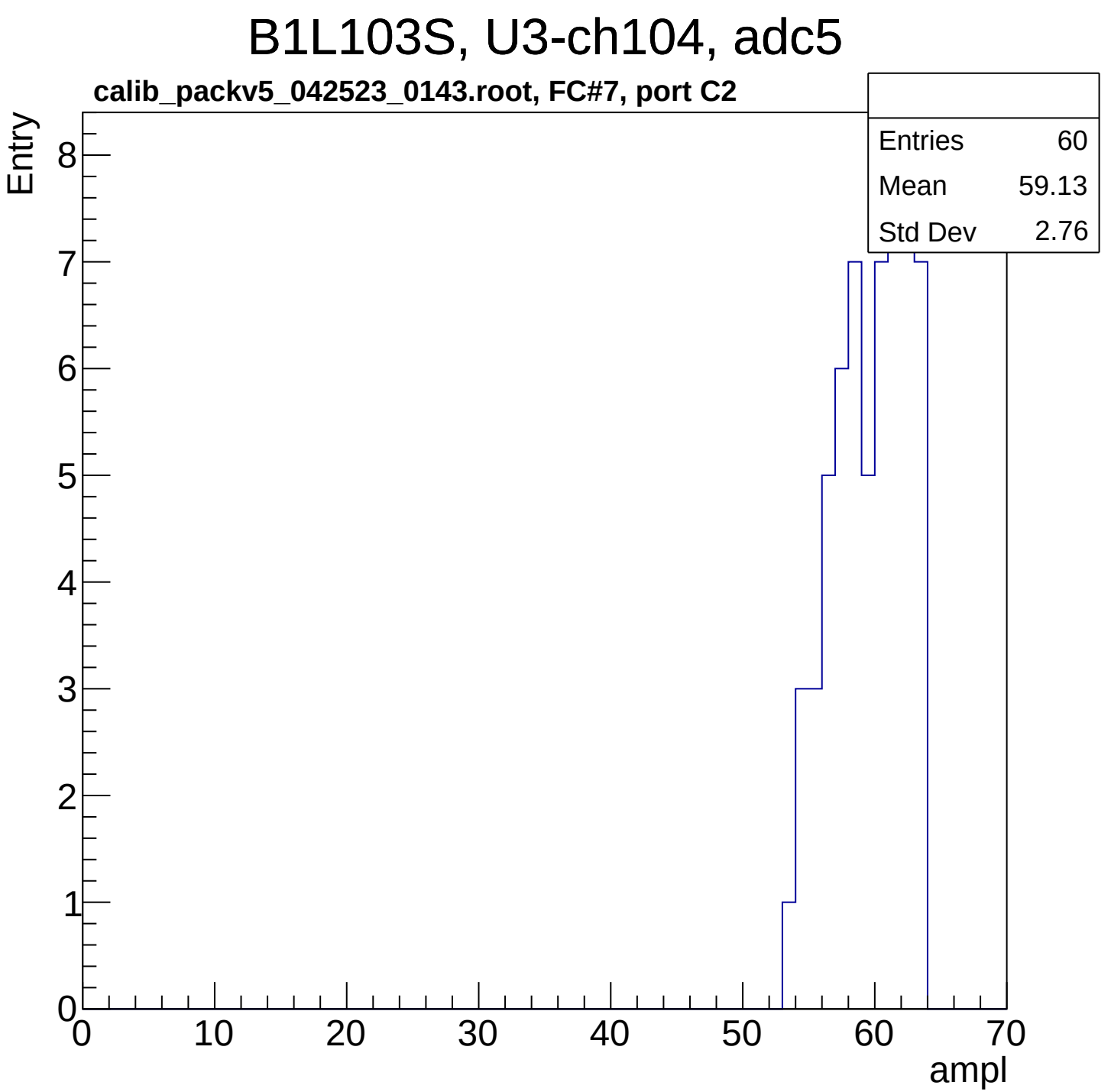
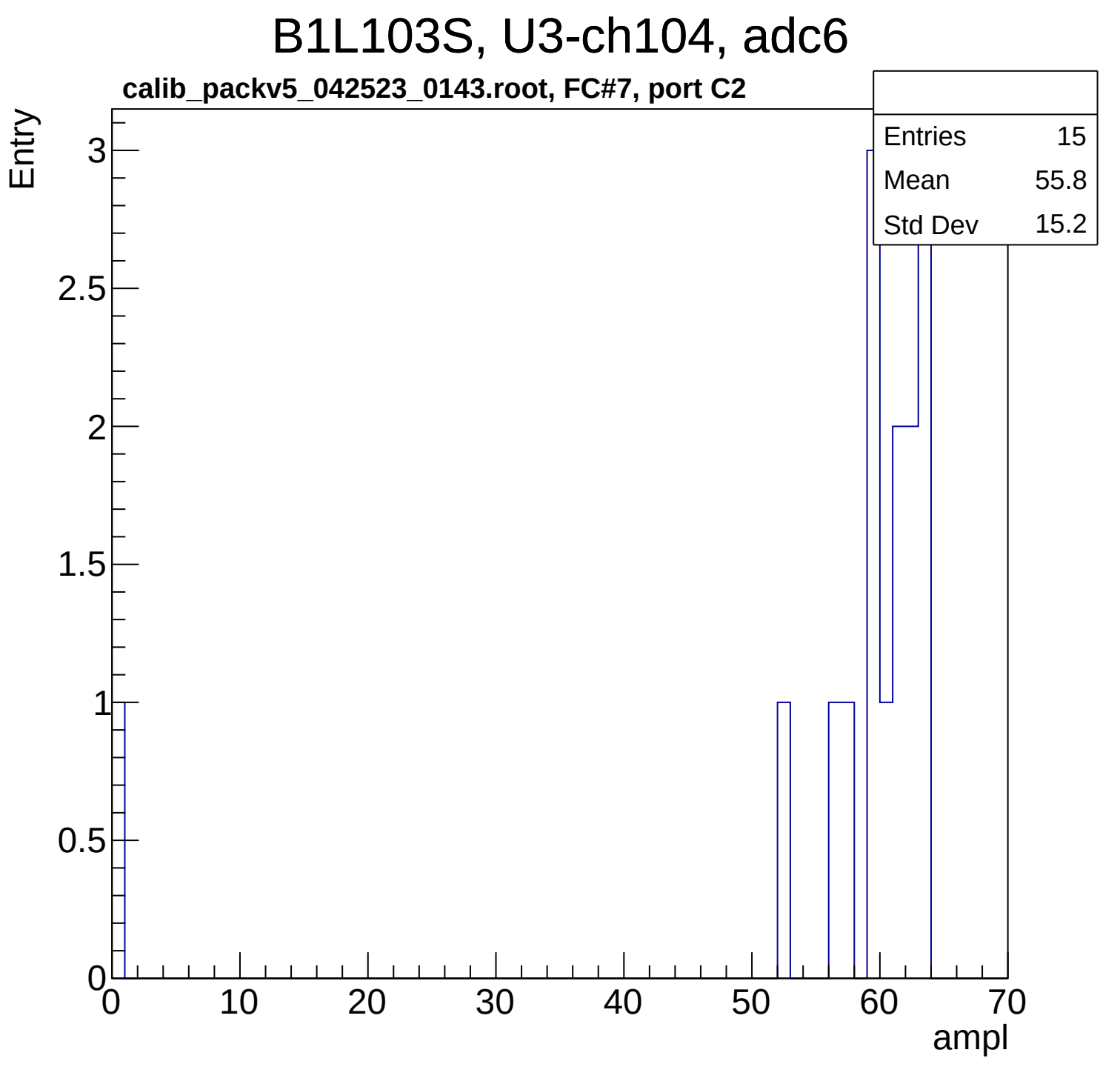

B1L103S, U3-ch104, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 59.13
Std Dev 2.76
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch104, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 55.8
Std Dev 15.2
Entry
ampl
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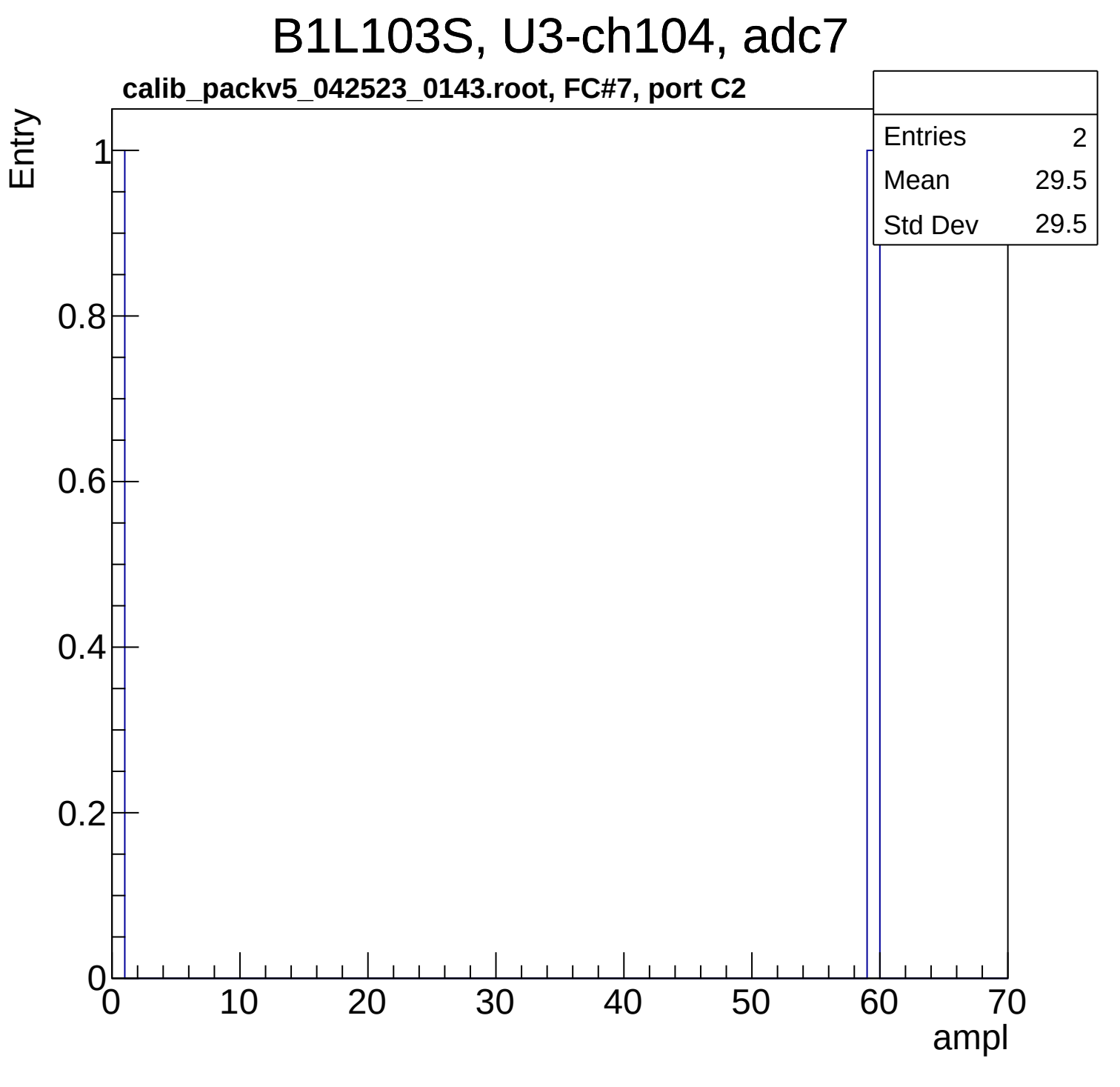
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch104, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 29.5
Std Dev 29.5
Entry
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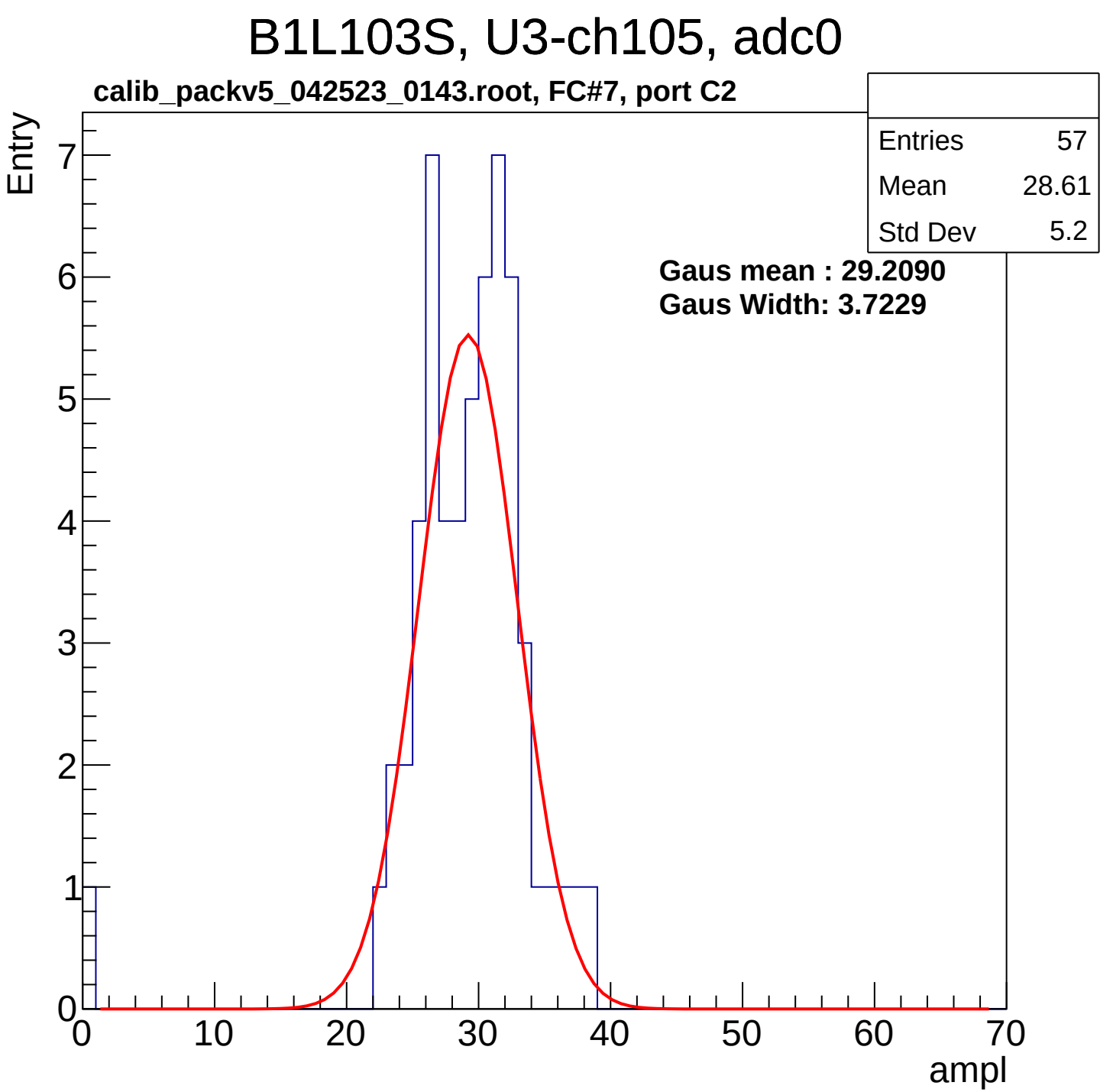
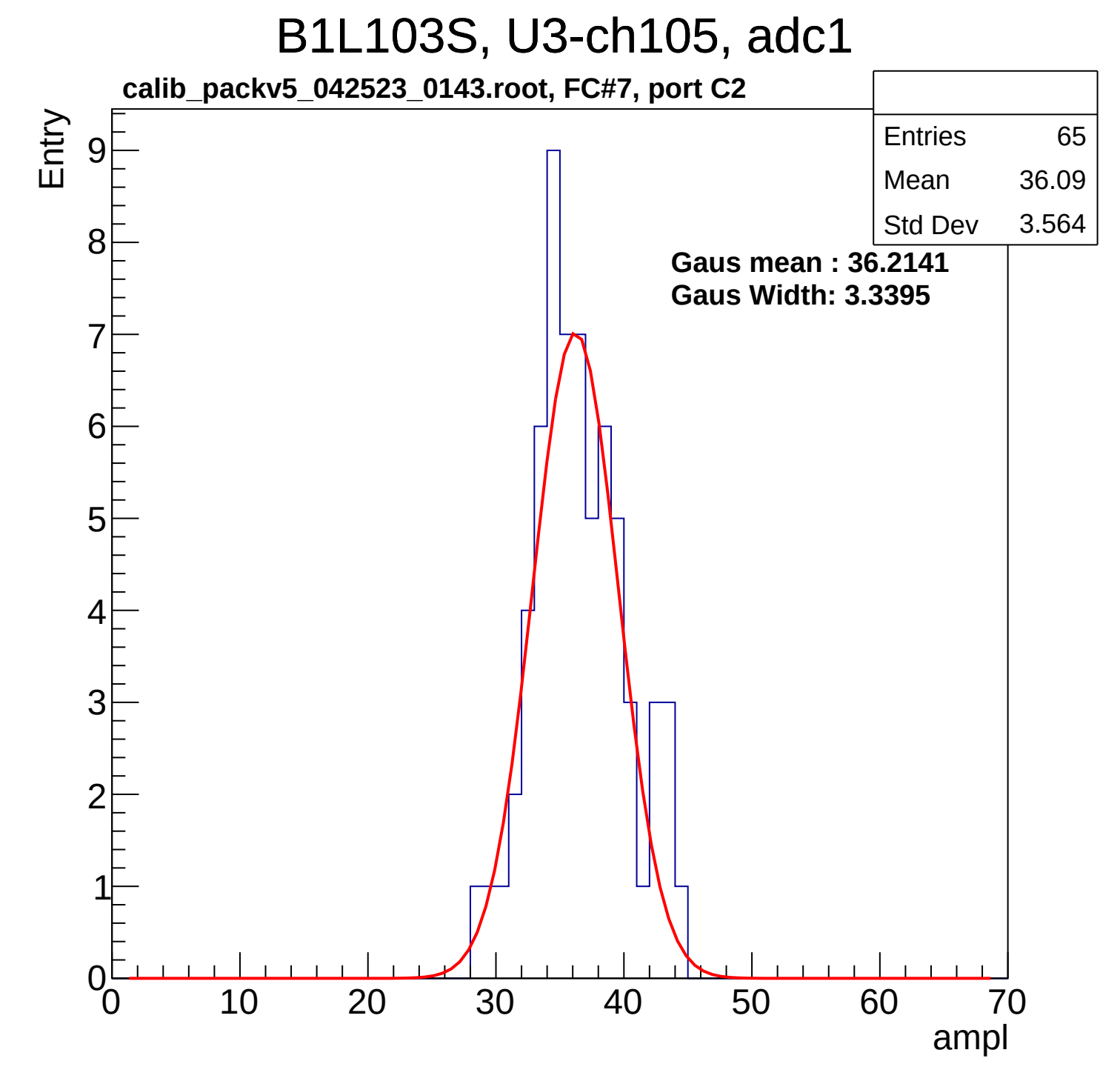
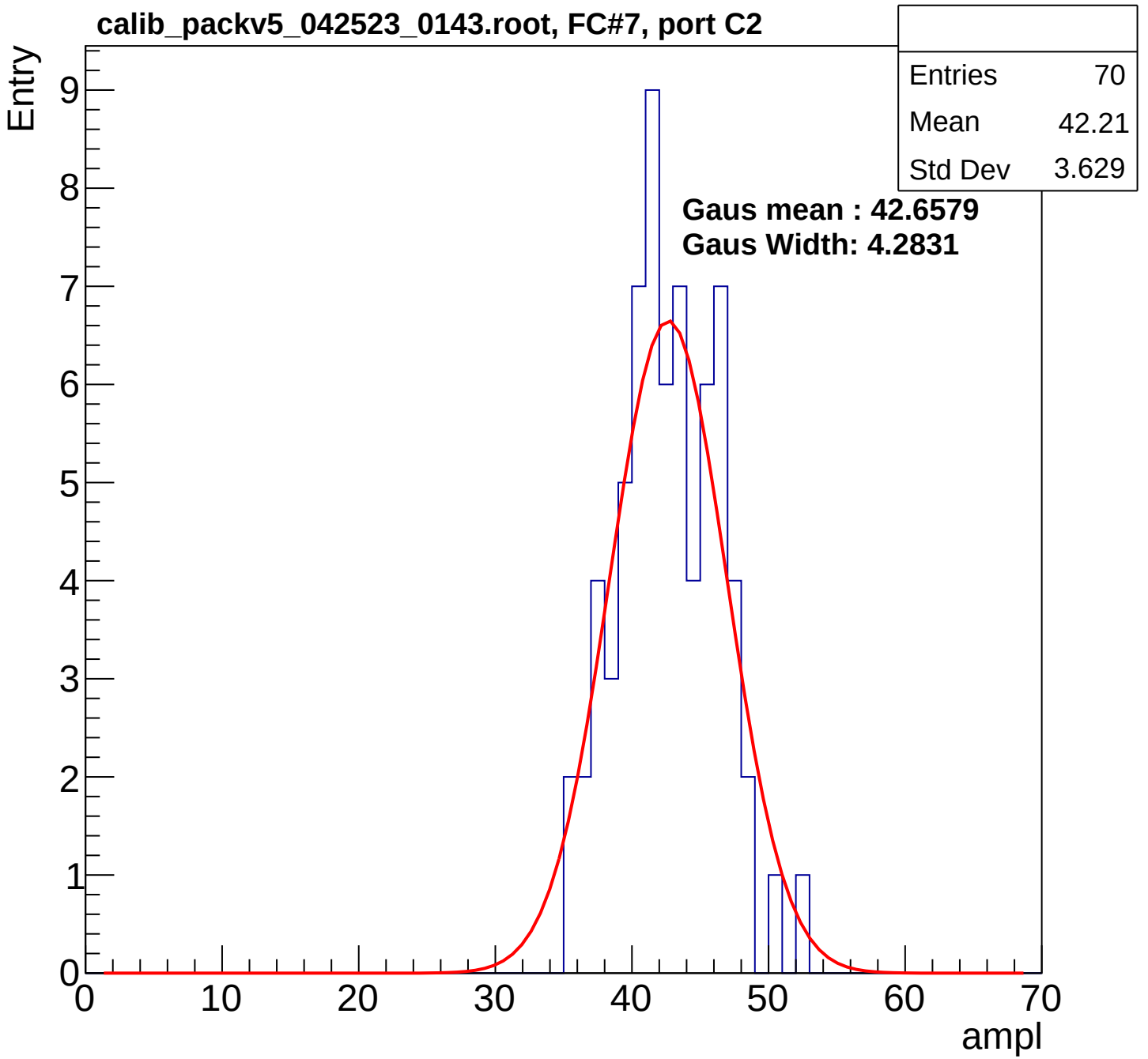
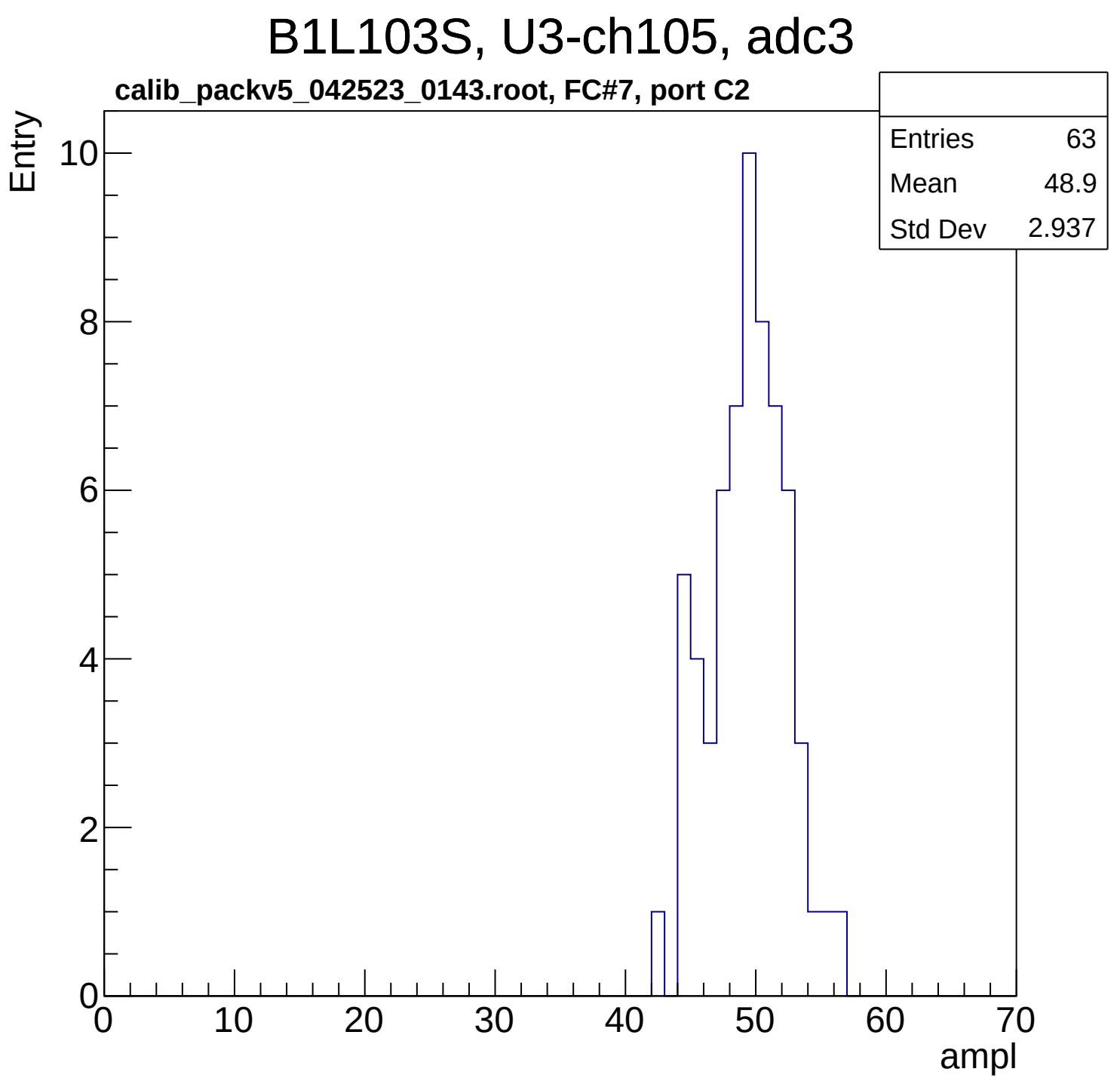
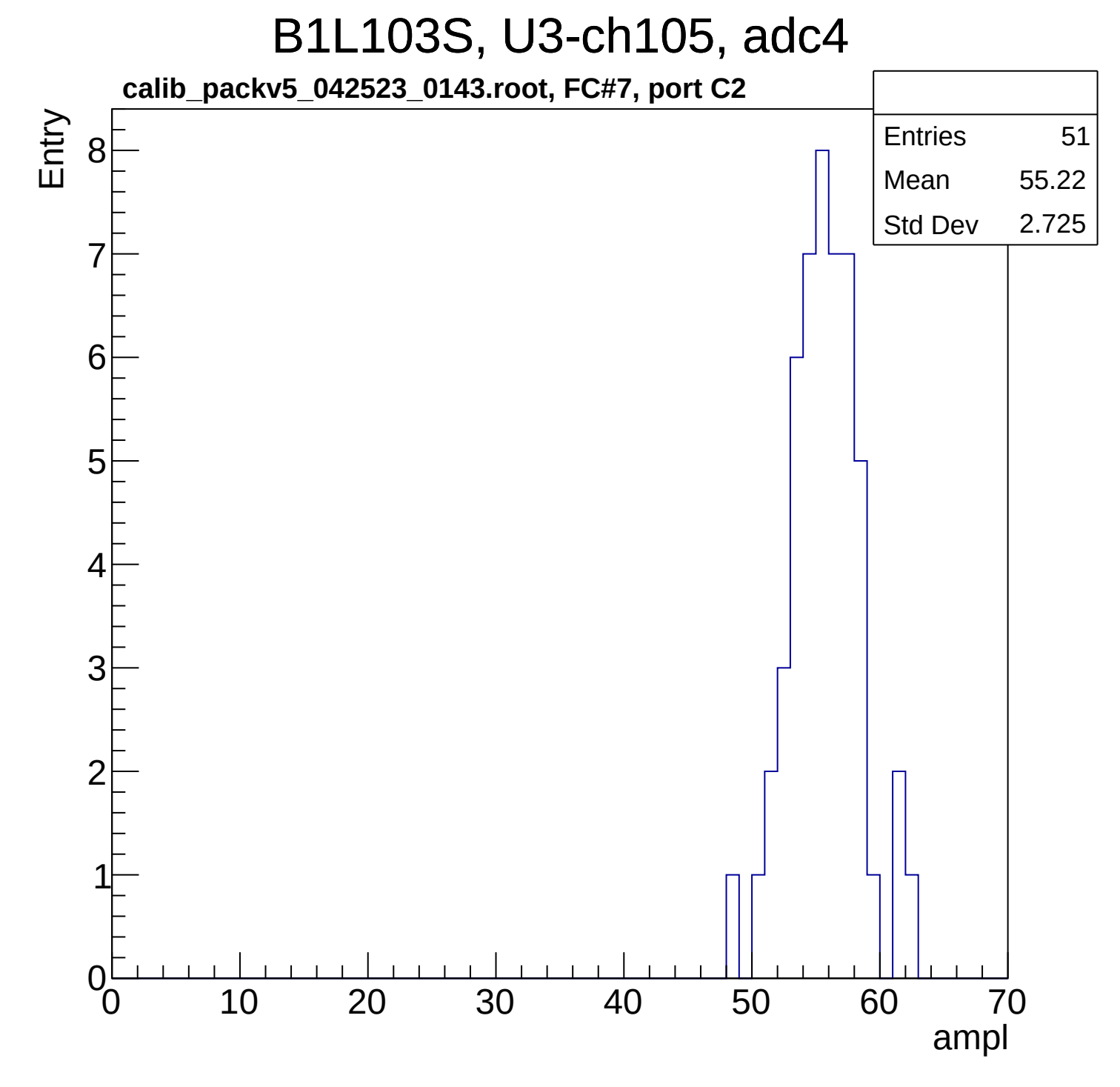
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch105, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 28.61
Std Dev 5.2
Gaus mean : 29.2090
Gaus Width: 3.7229
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch105, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 36.09
Std Dev 3.564
Gaus mean : 36.2141
Gaus Width: 3.3395
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch105, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 42.21
Std Dev 3.629
Gaus mean : 42.6579
Gaus Width: 4.2831
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch105, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 48.9
Std Dev 2.937
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch105, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 55.22
Std Dev 2.725
Entry
ampl
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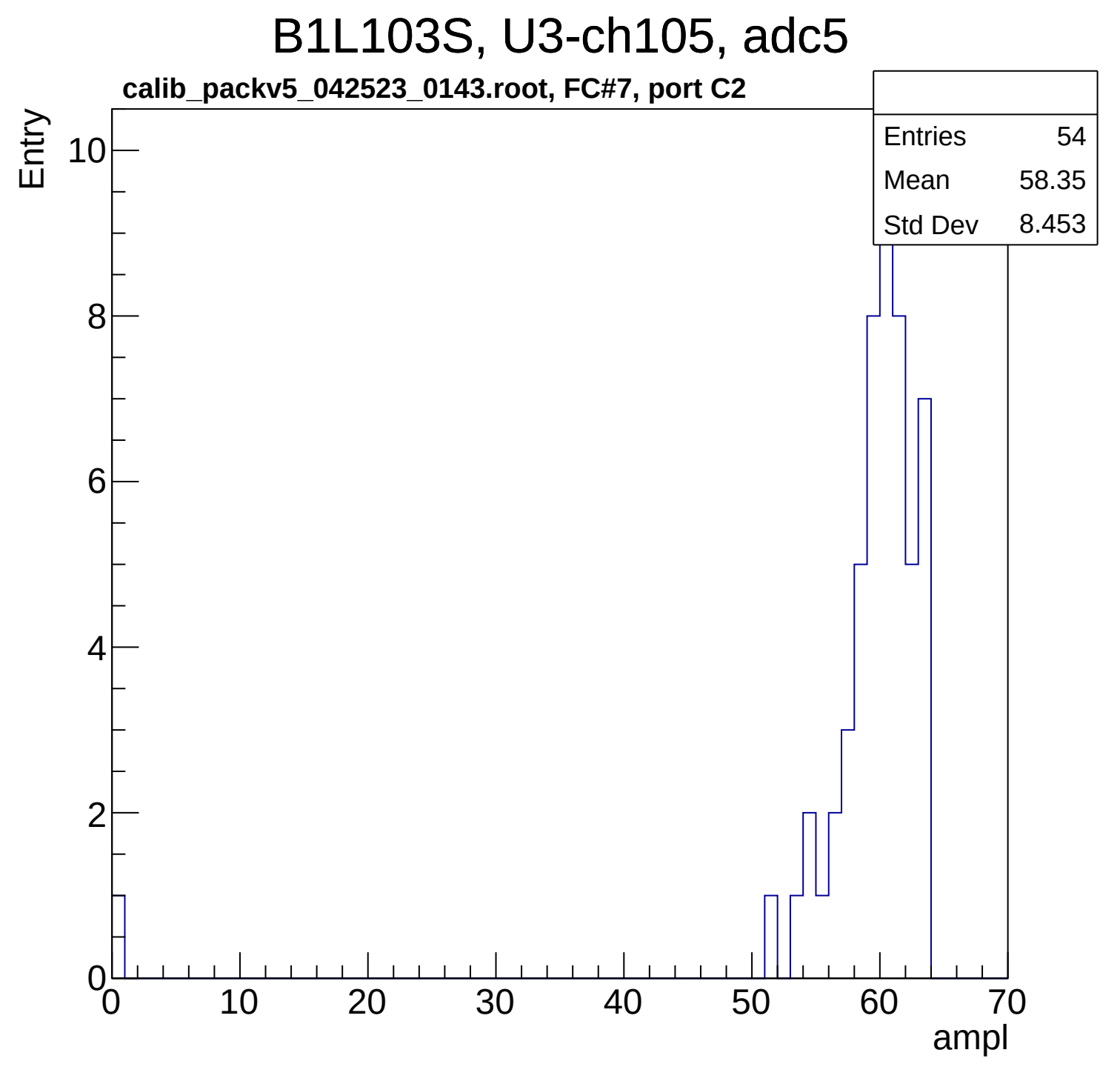
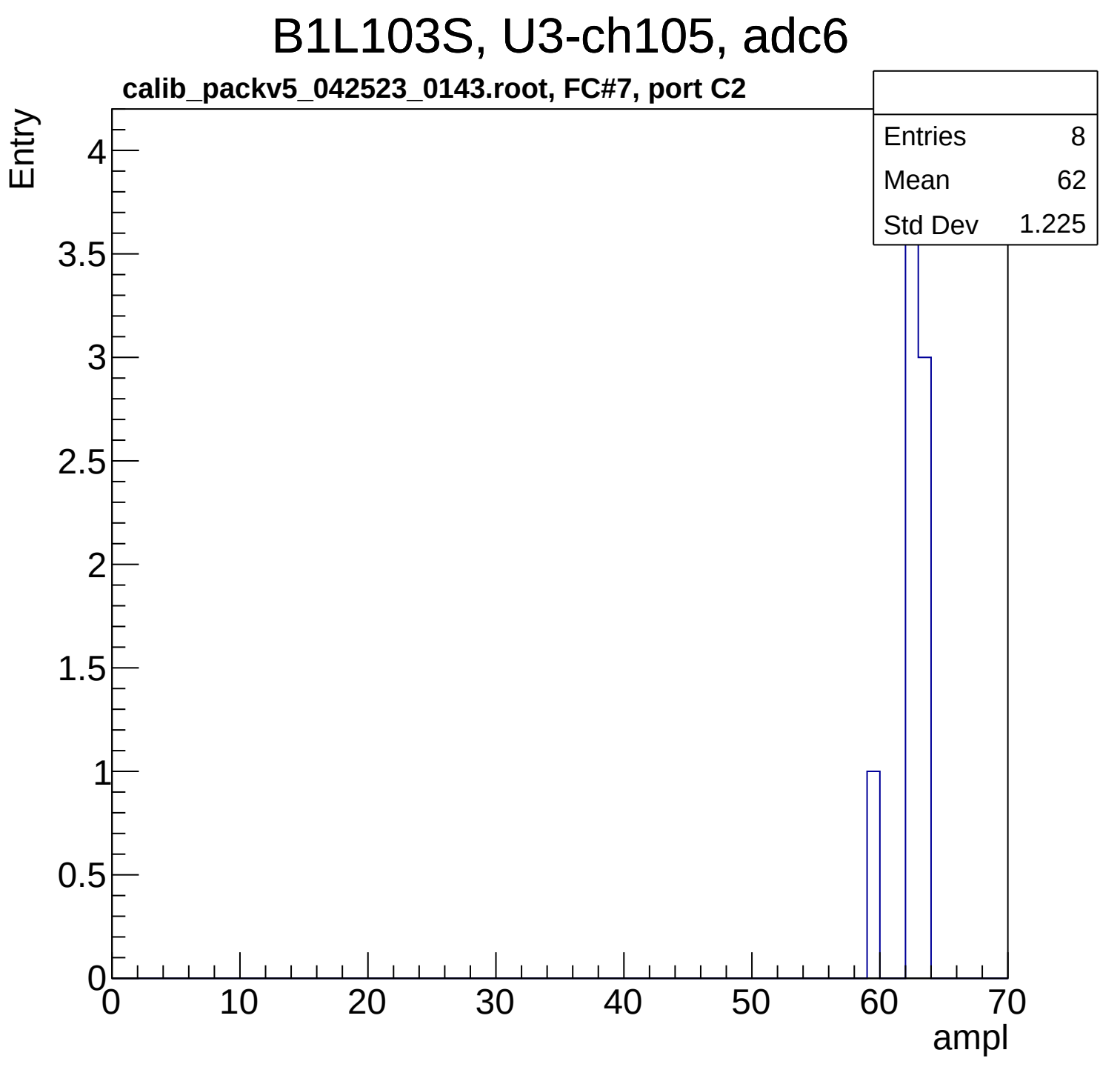
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch105, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 58.35
Std Dev 8.453
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch105, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 62
Std Dev 1.225
Entry
ampl
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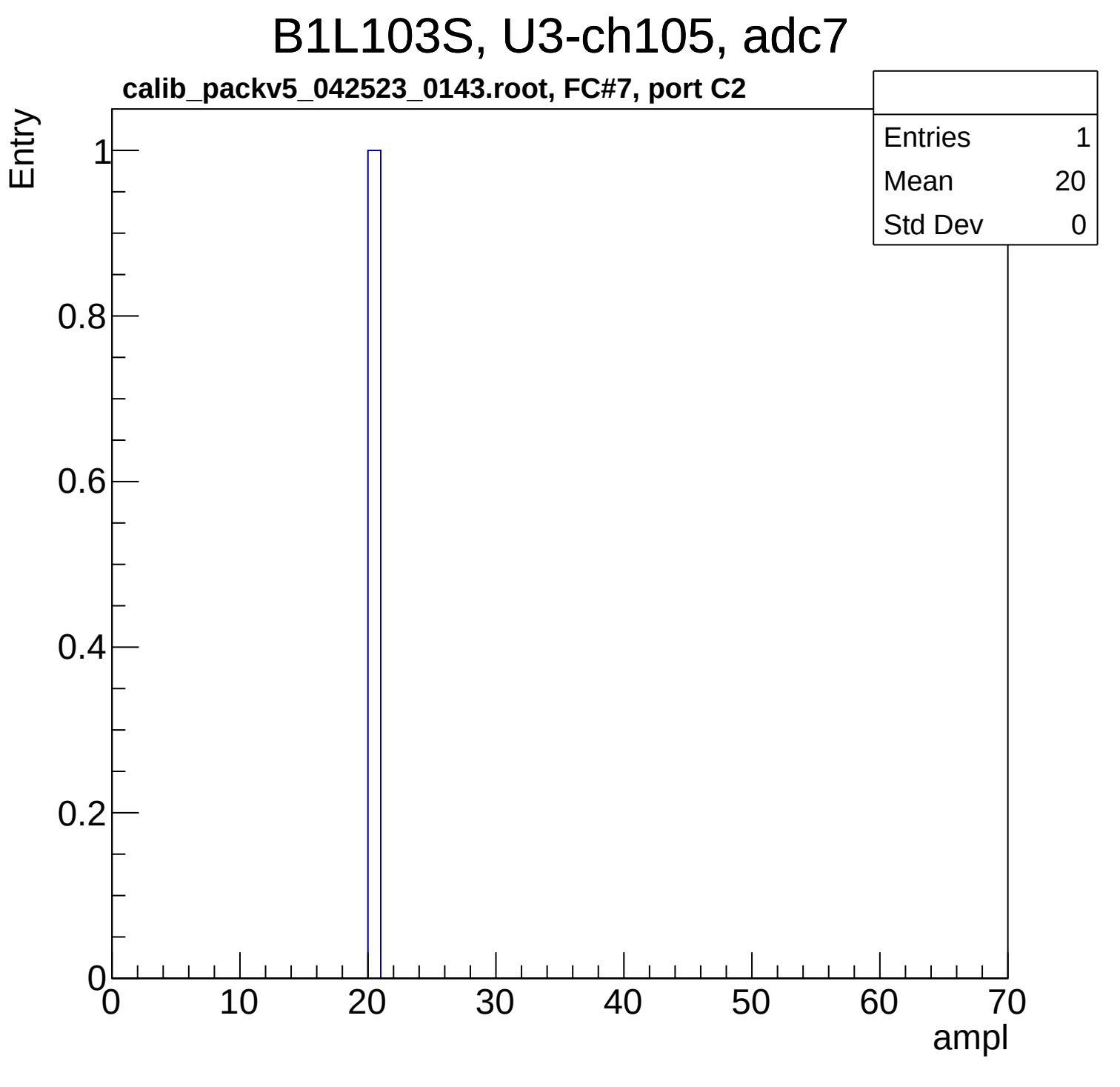
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch105, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 20
Std Dev 0
Entry
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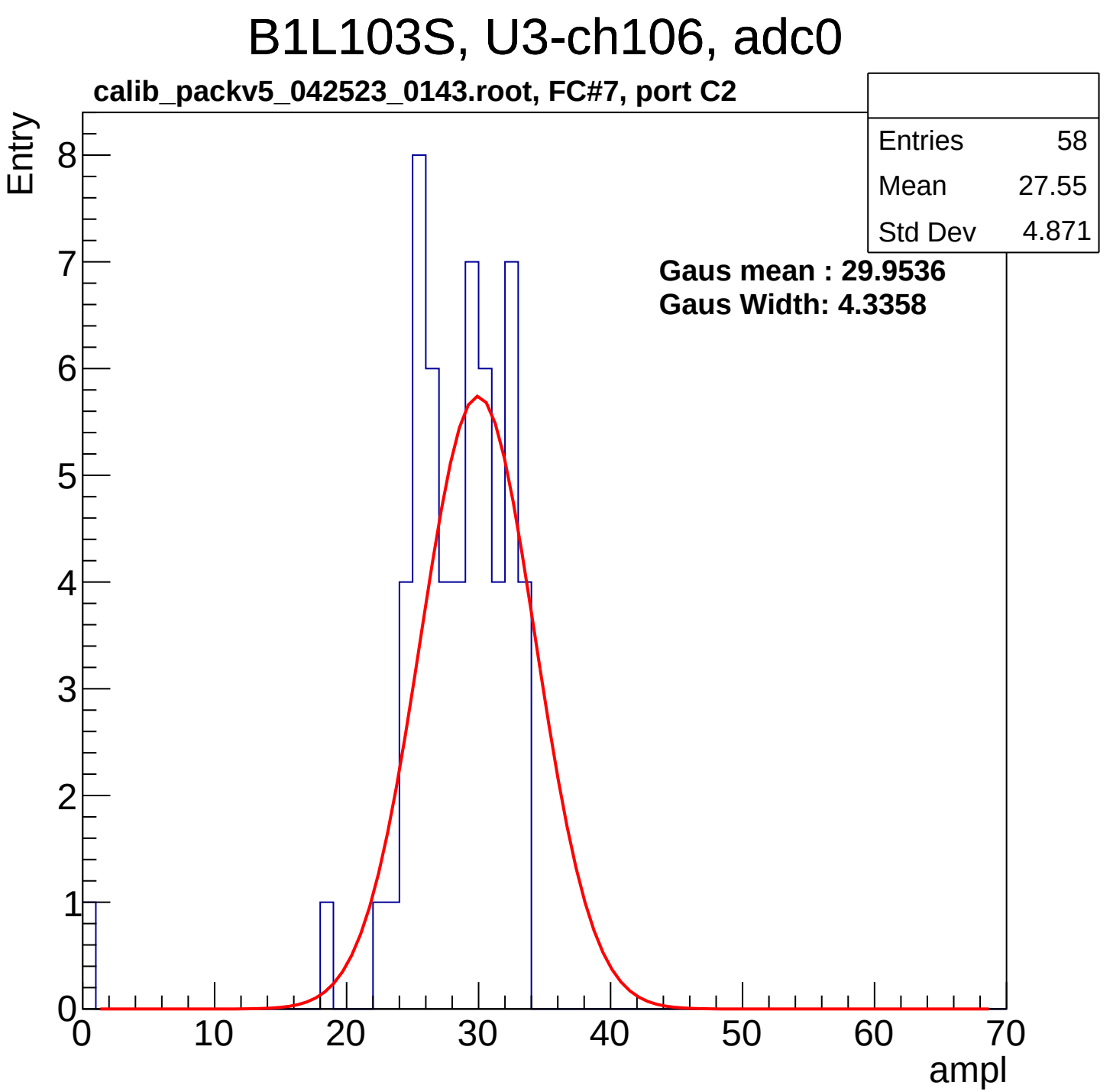
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch106, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 27.55
Std Dev 4.871
Gaus mean : 29.9536
Gaus Width: 4.3358
Entry
ampl
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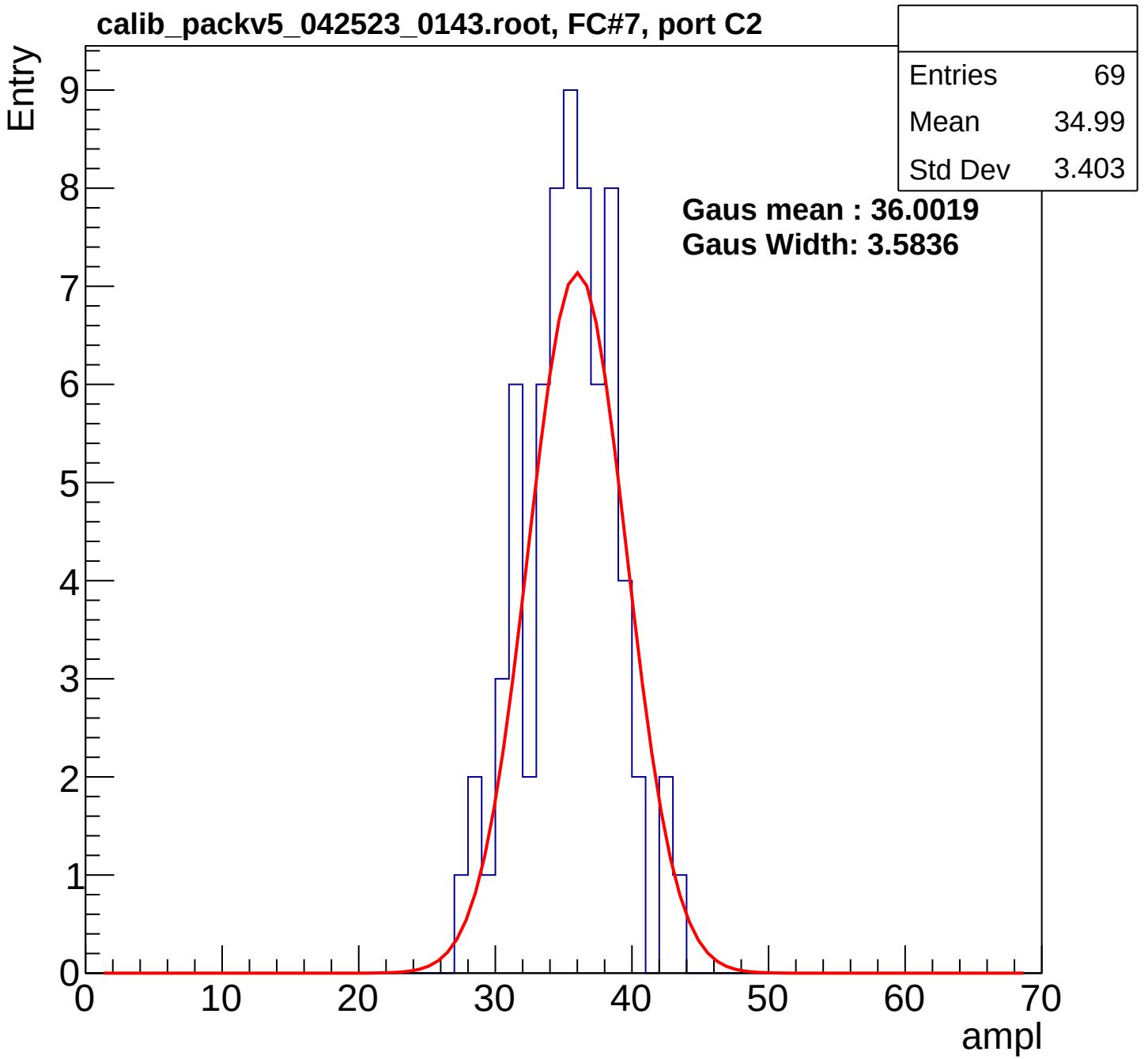
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch106, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 34.99
Std Dev 3.403
Gaus mean : 36.0019
Gaus Width: 3.5836
Entry
ampl
0
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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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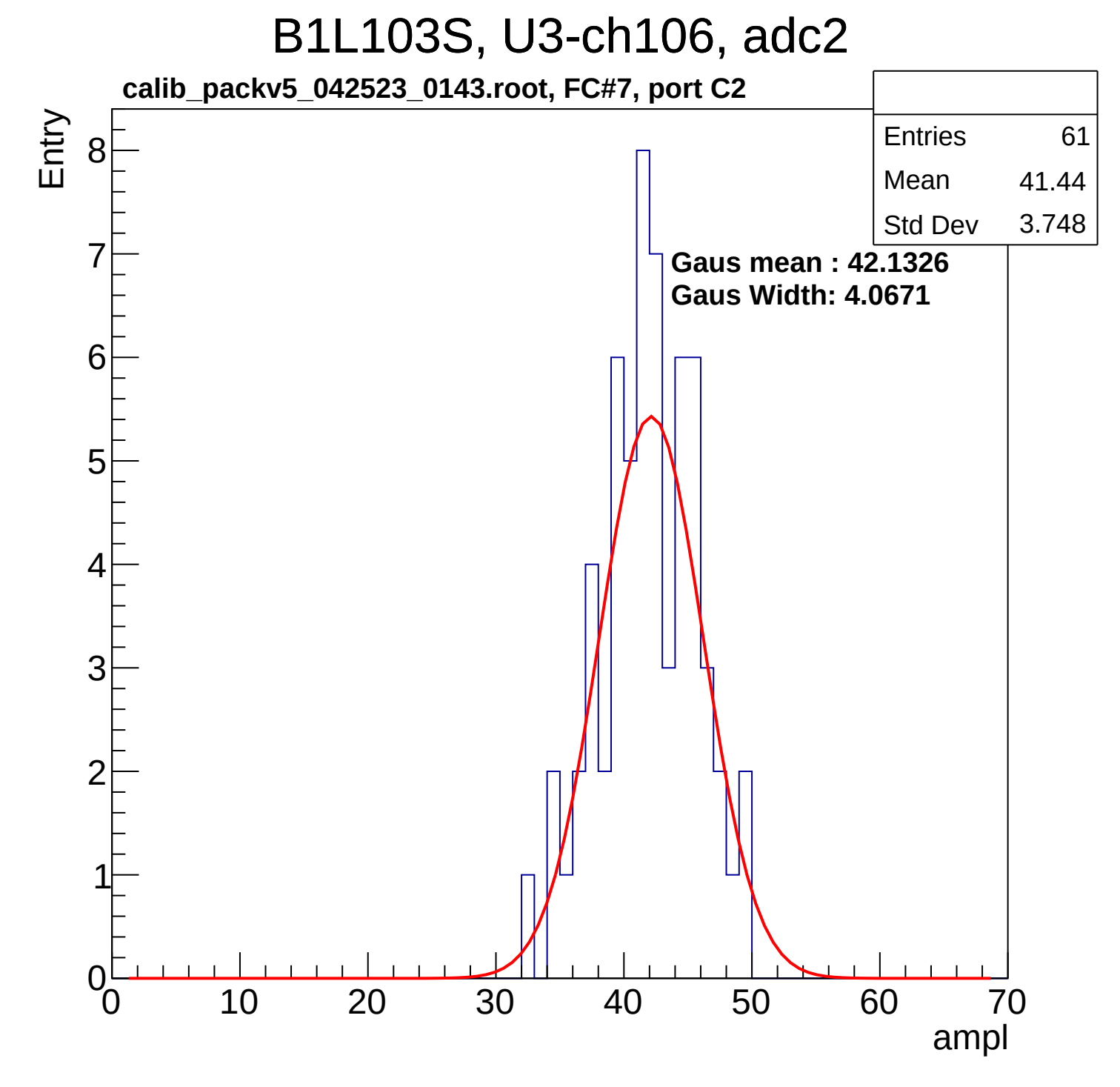
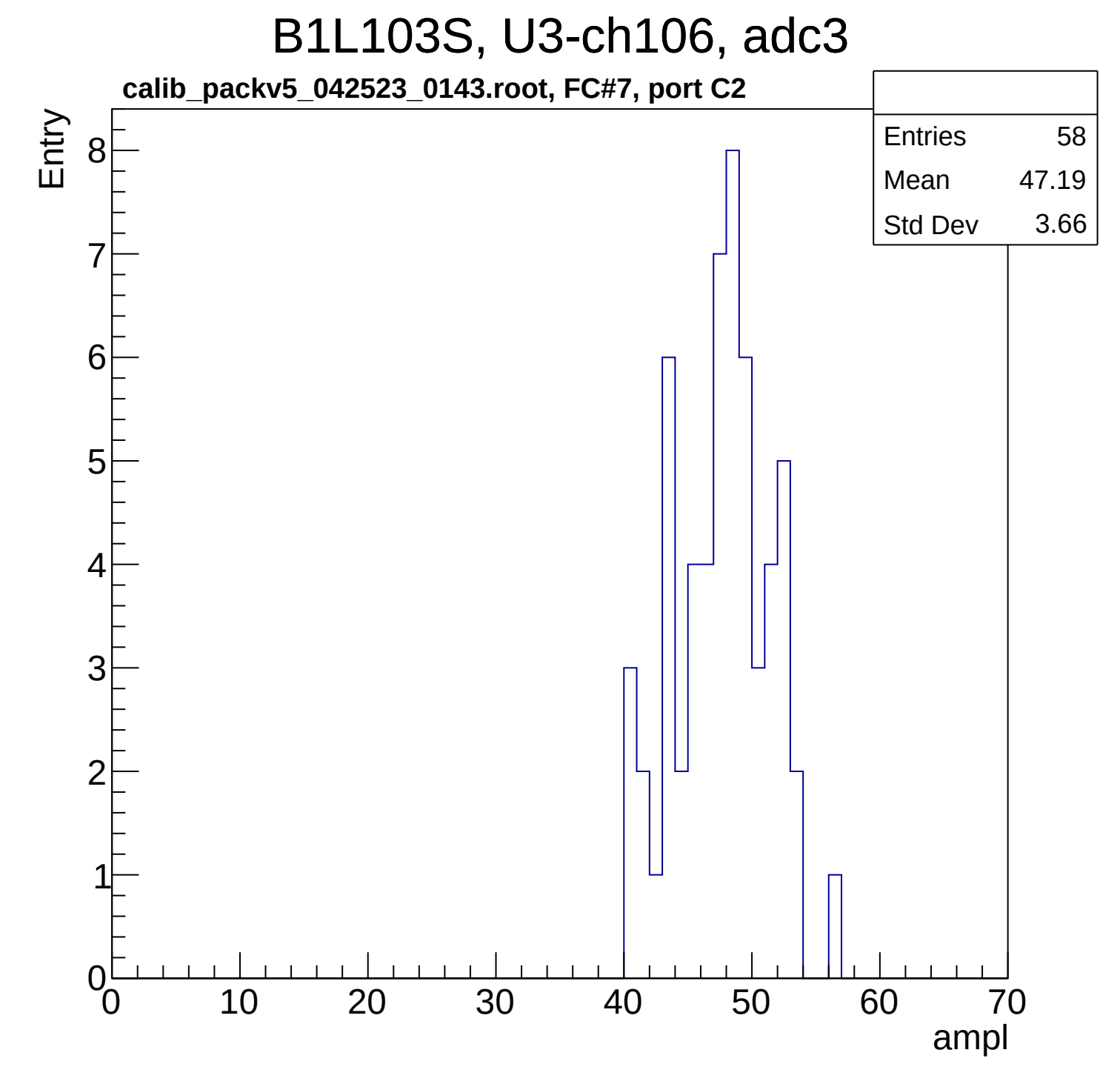

B1L103S, U3-ch106, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 41.44
Std Dev 3.748
Gaus mean : 42.1326
Gaus Width: 4.0671
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch106, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 47.19
Std Dev 3.66
Entry
ampl
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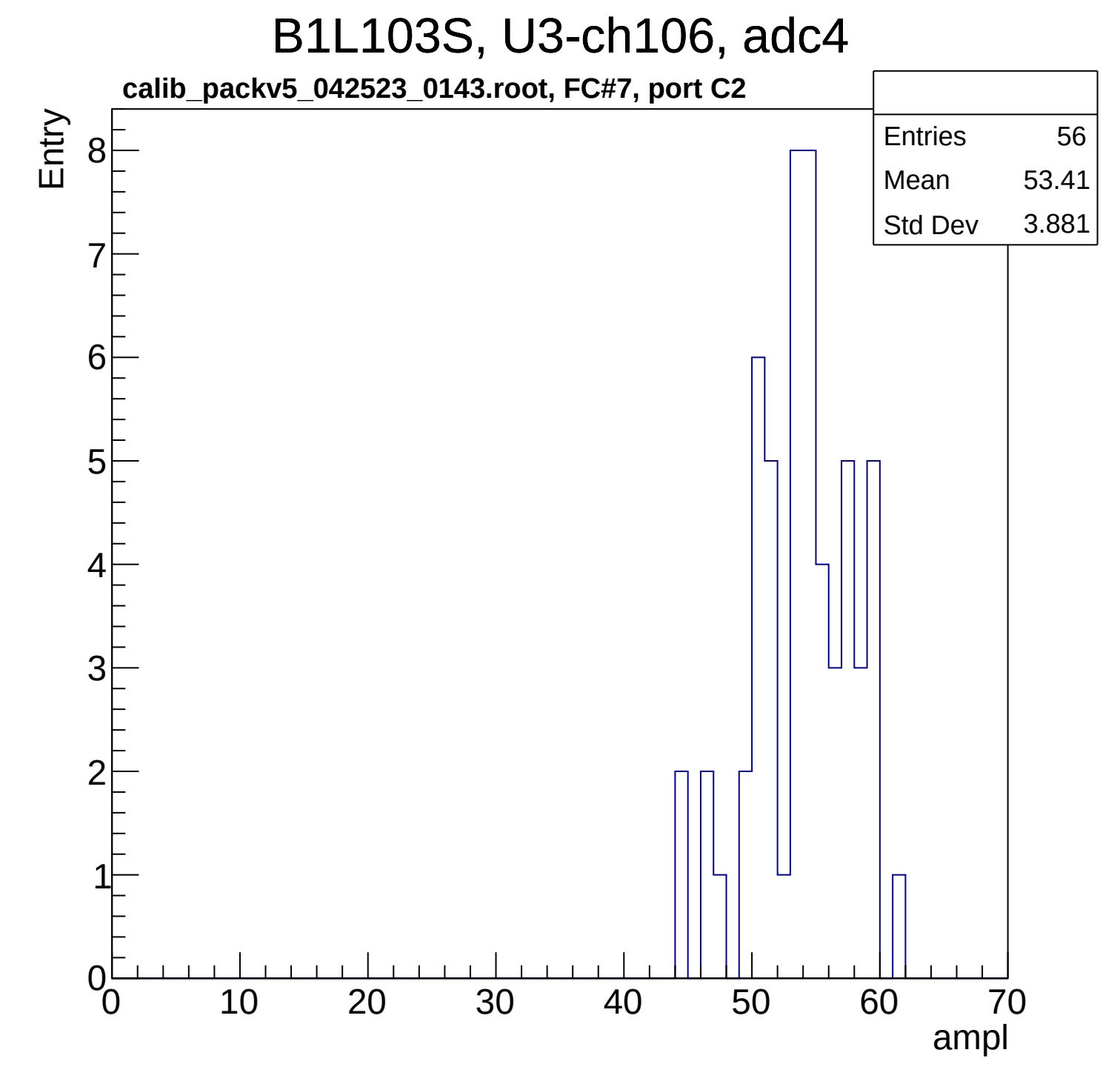
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch106, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 53.41
Std Dev 3.881
Entry
ampl
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1
2
3
4
5
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7
8
0
10
20
30
40
50
60
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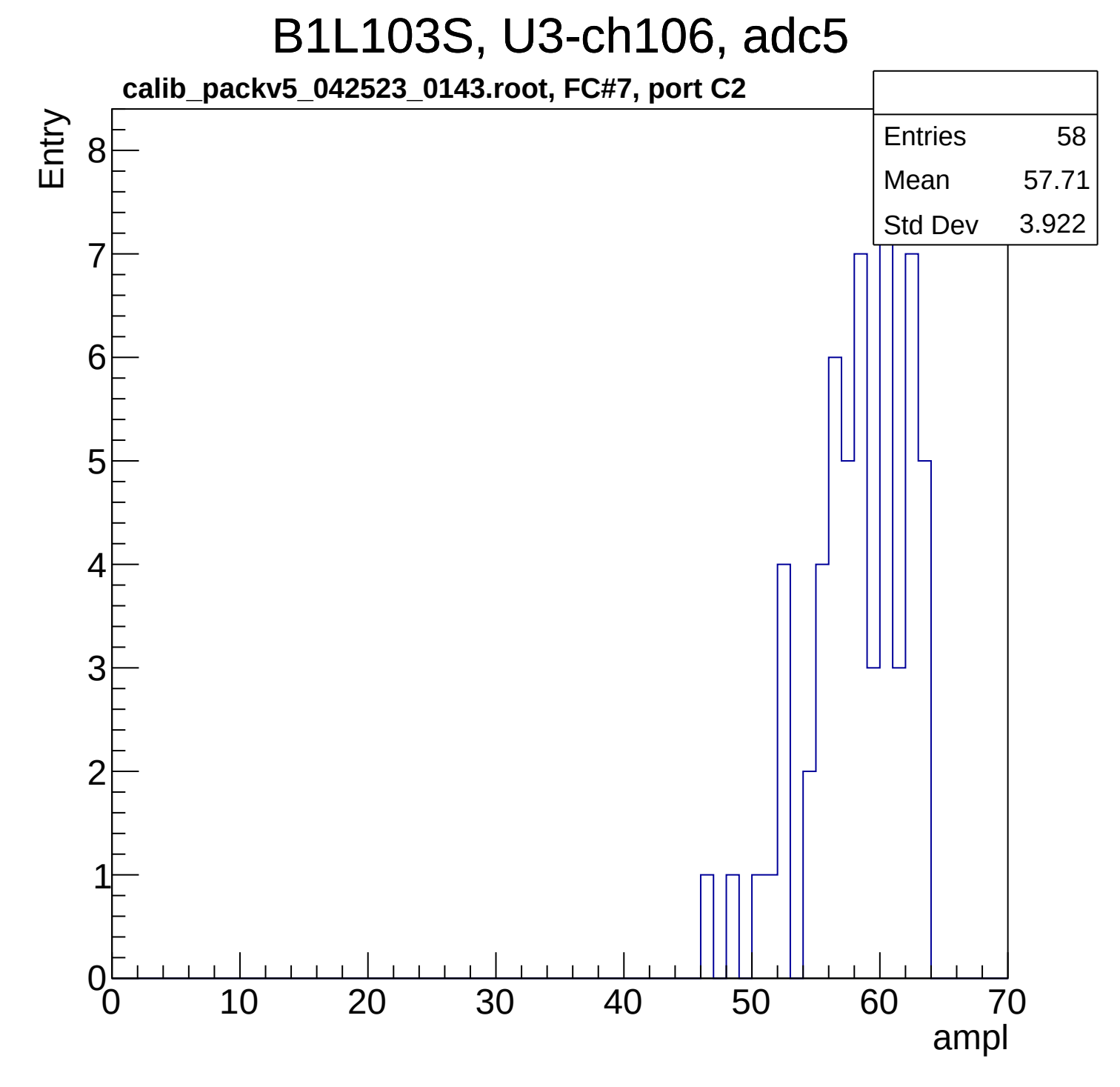
B1L103S, U3-ch106, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 57.71
Std Dev 3.922
Entry
ampl
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60
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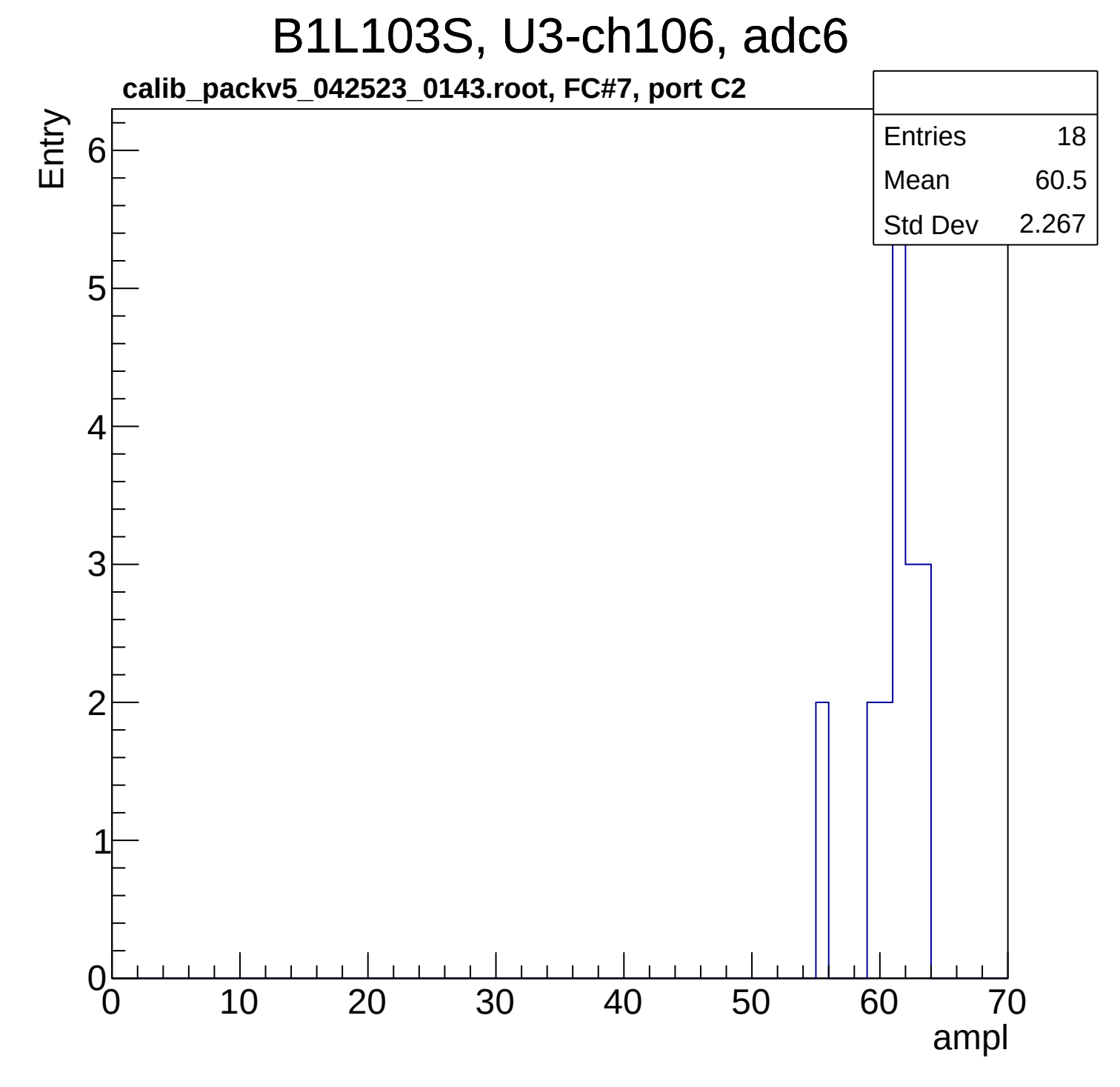
B1L103S, U3-ch106, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 18
Mean 60.5
Std Dev 2.267
Entry
0
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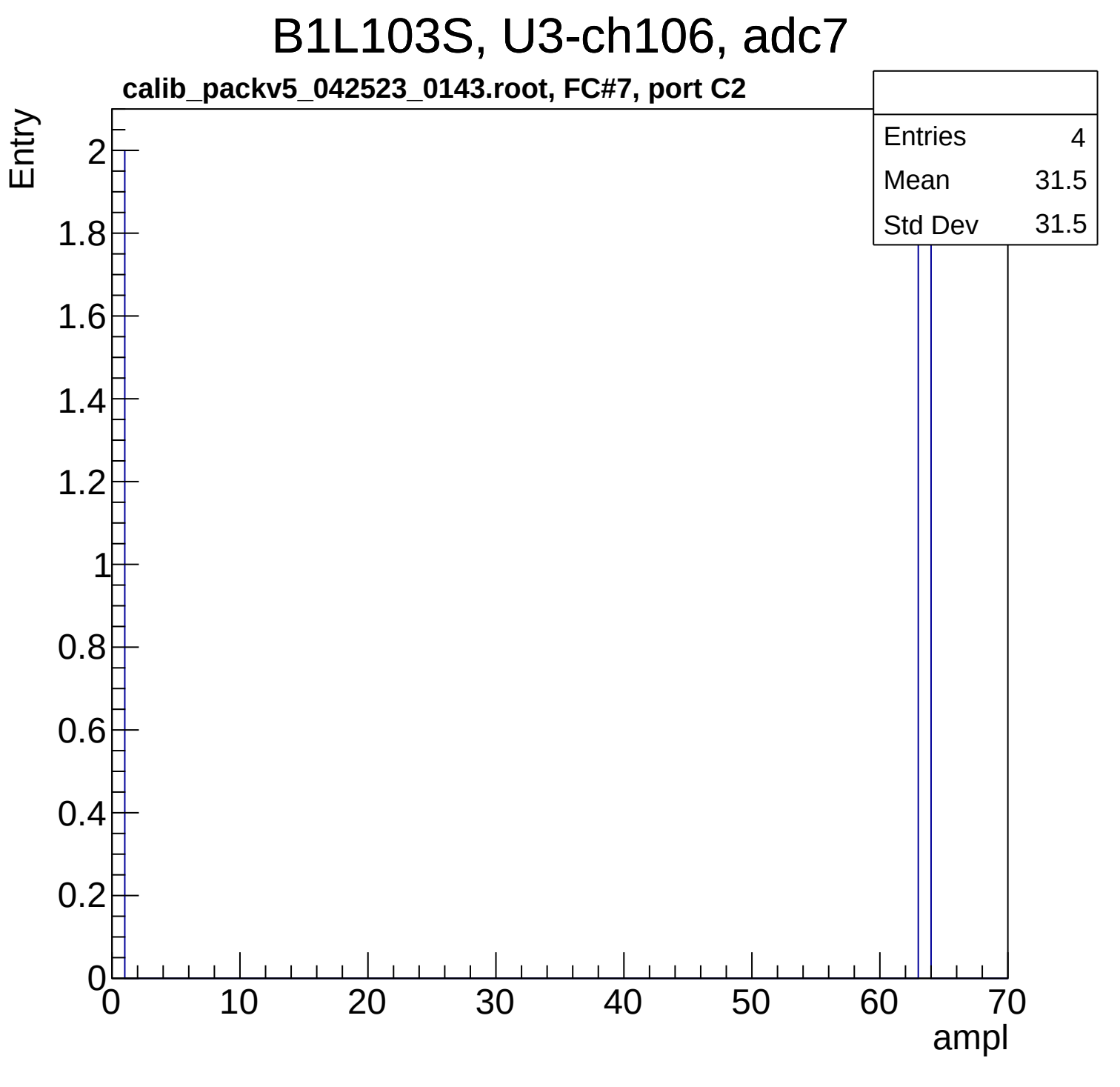
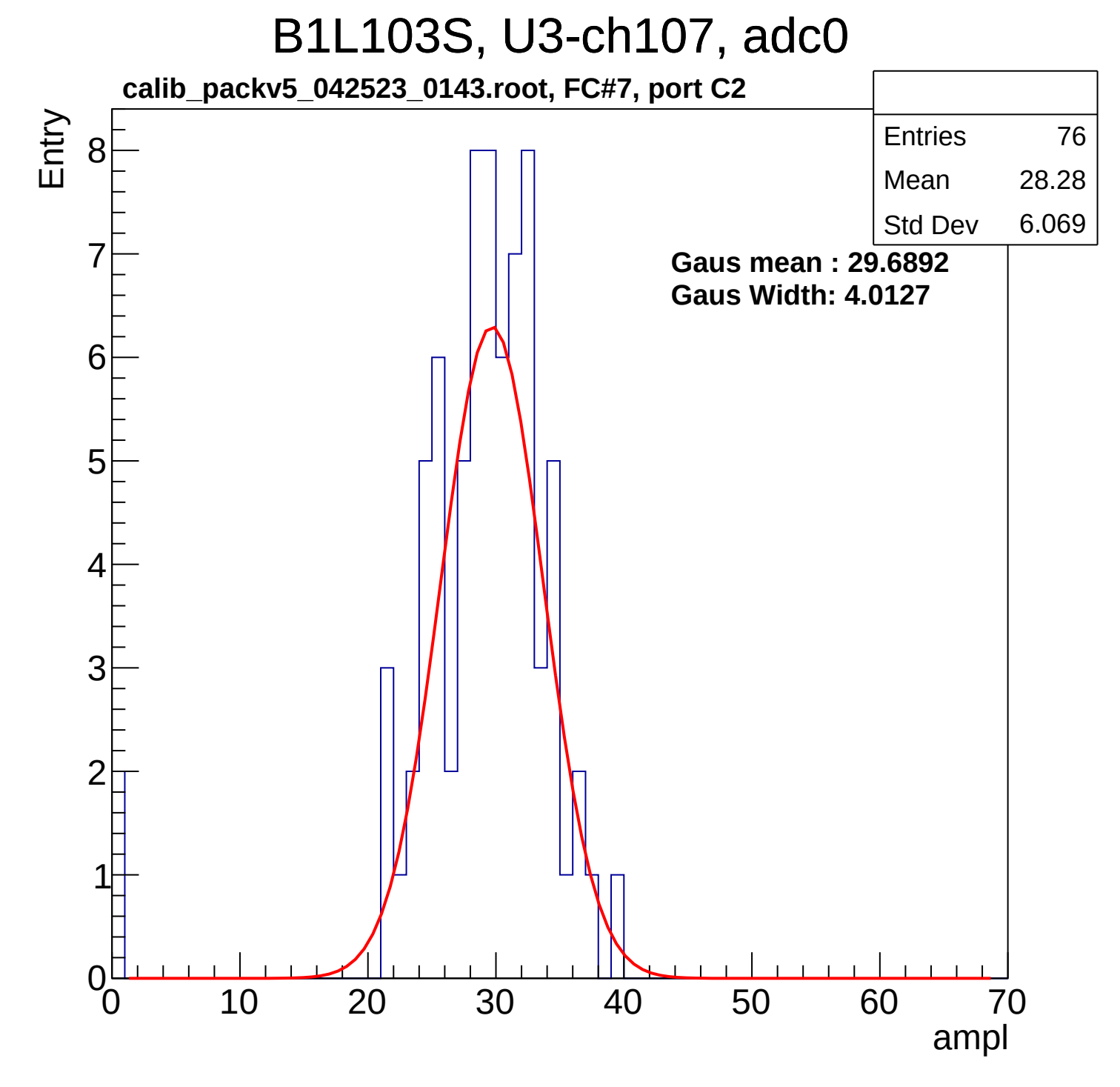
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch106, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 31.5
Std Dev 31.5
Entry
ampl
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
10
20
30
40
50
60
70


B1L103S, U3-ch107, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 28.28
Std Dev 6.069
Gaus mean : 29.6892
Gaus Width: 4.0127
Entry
ampl
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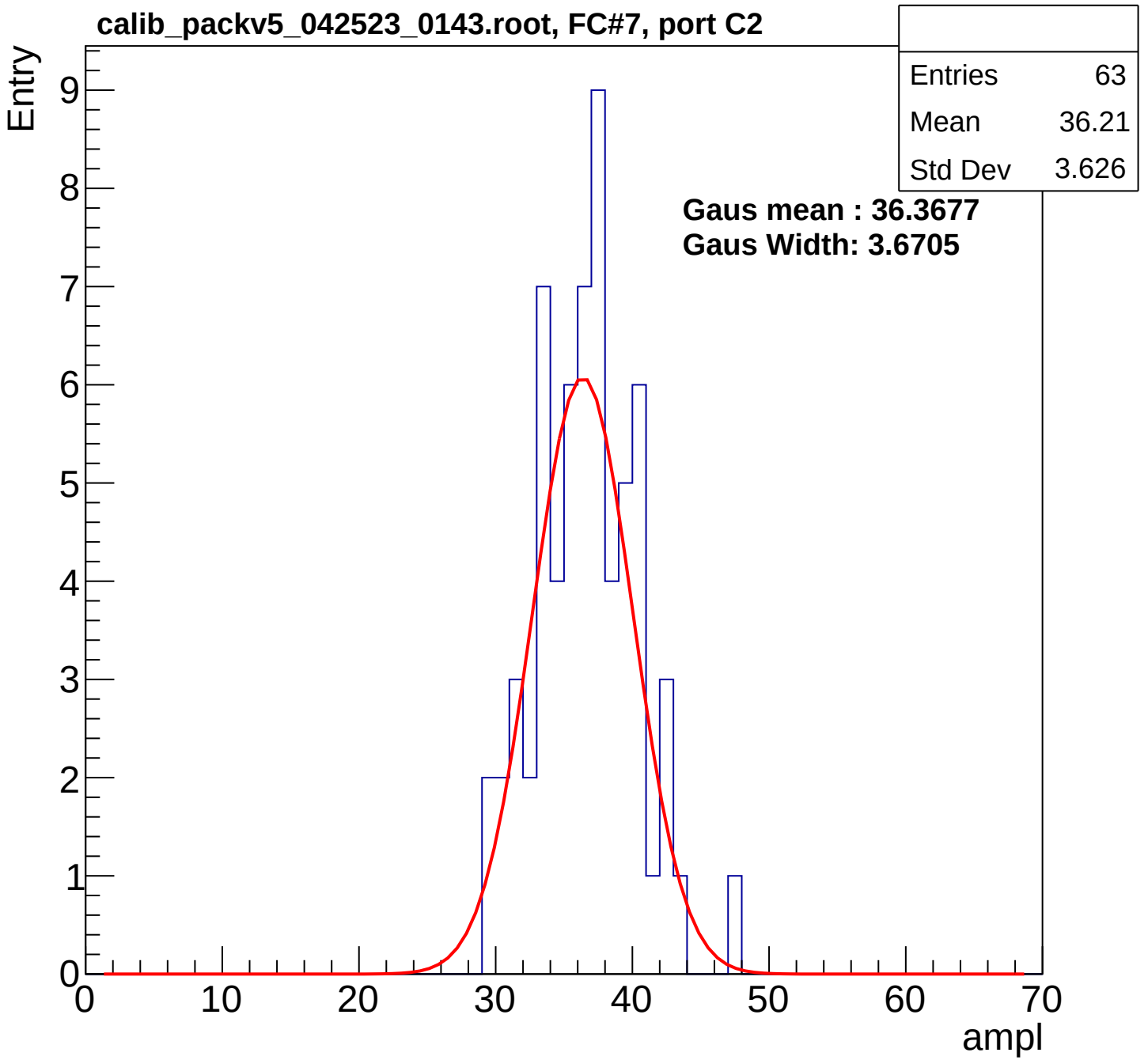
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch107, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 36.21
Std Dev 3.626
Gaus mean : 36.3677
Gaus Width: 3.6705
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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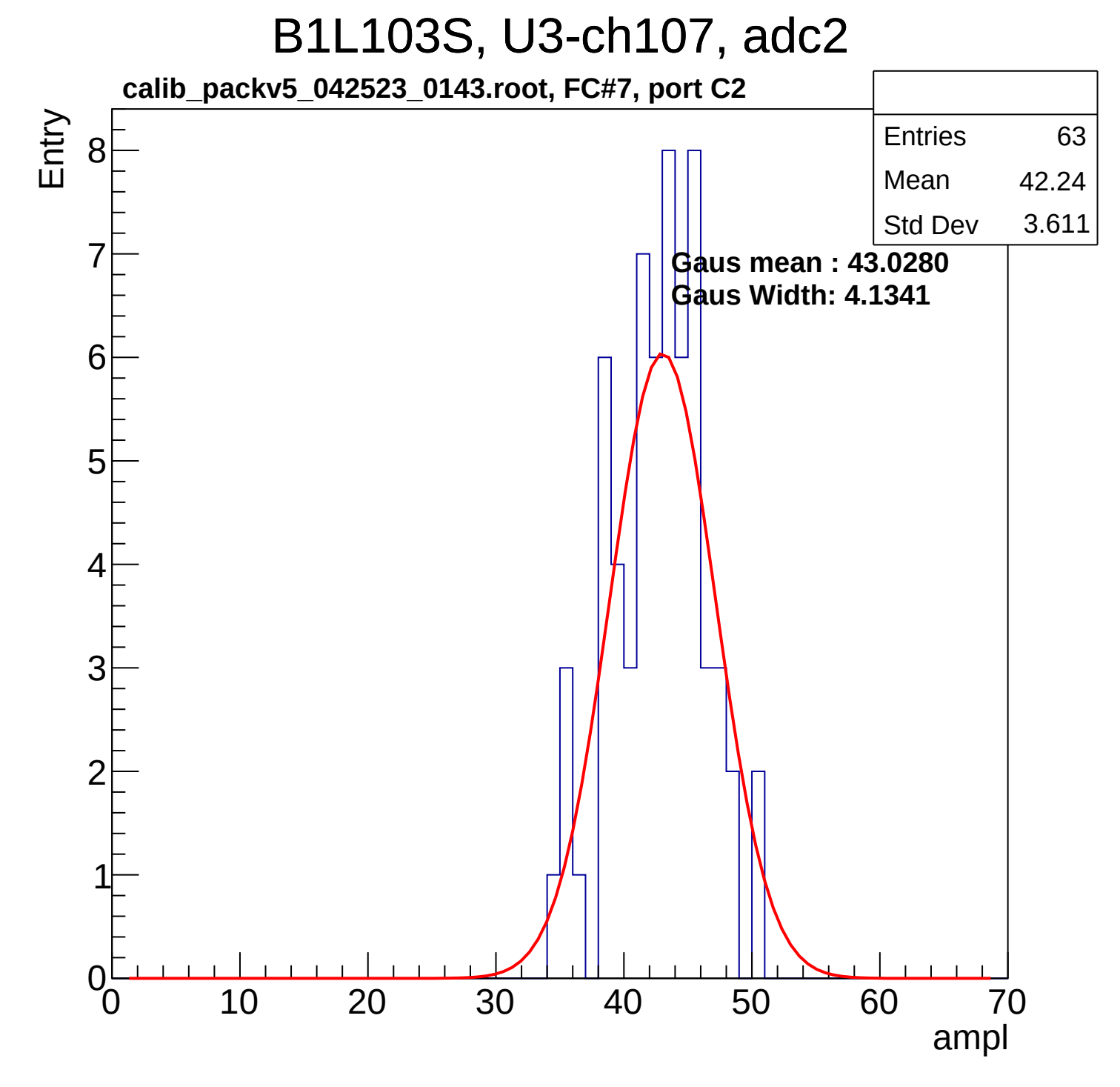
B1L103S, U3-ch107, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 42.24
Std Dev 3.611
Gaus mean : 43.0280
Gaus Width: 4.1341
Entry
ampl
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1
2
3
4
5
6
7
8
0
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60
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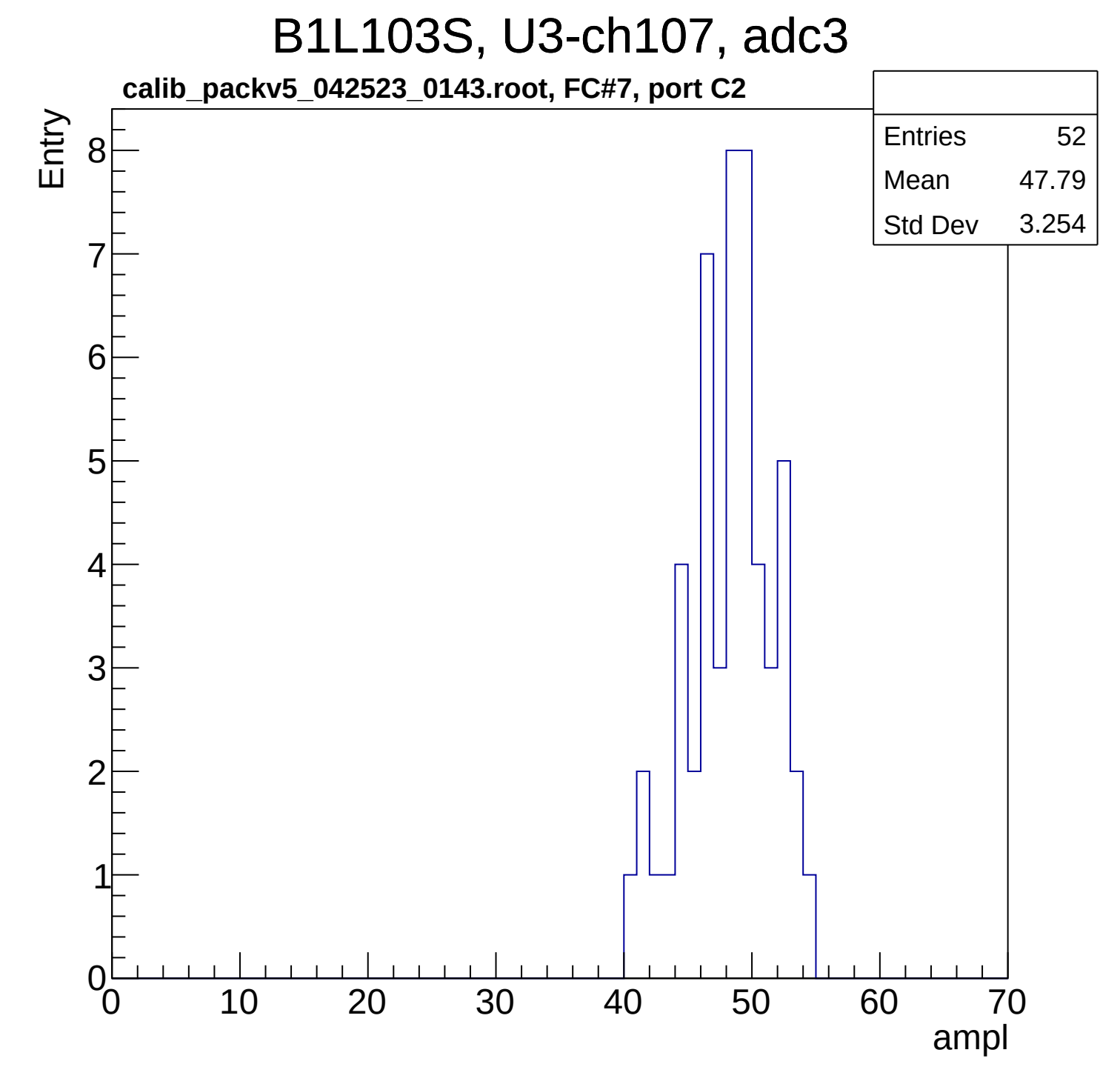
B1L103S, U3-ch107, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 47.79
Std Dev 3.254
Entry
ampl
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0
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60
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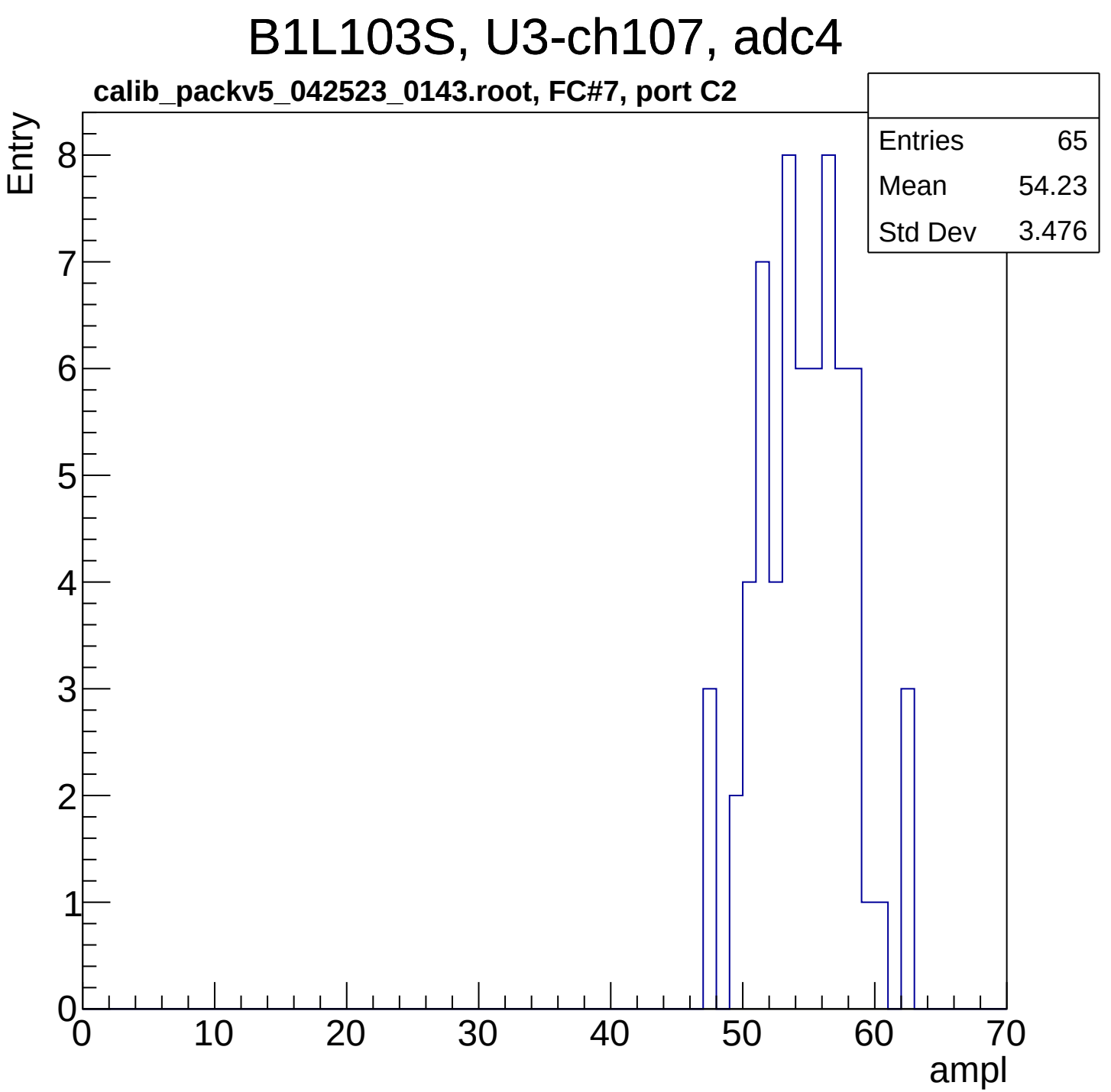
B1L103S, U3-ch107, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 54.23
Std Dev 3.476
Entry
ampl
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4
5
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7
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0
10
20
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40
50
60
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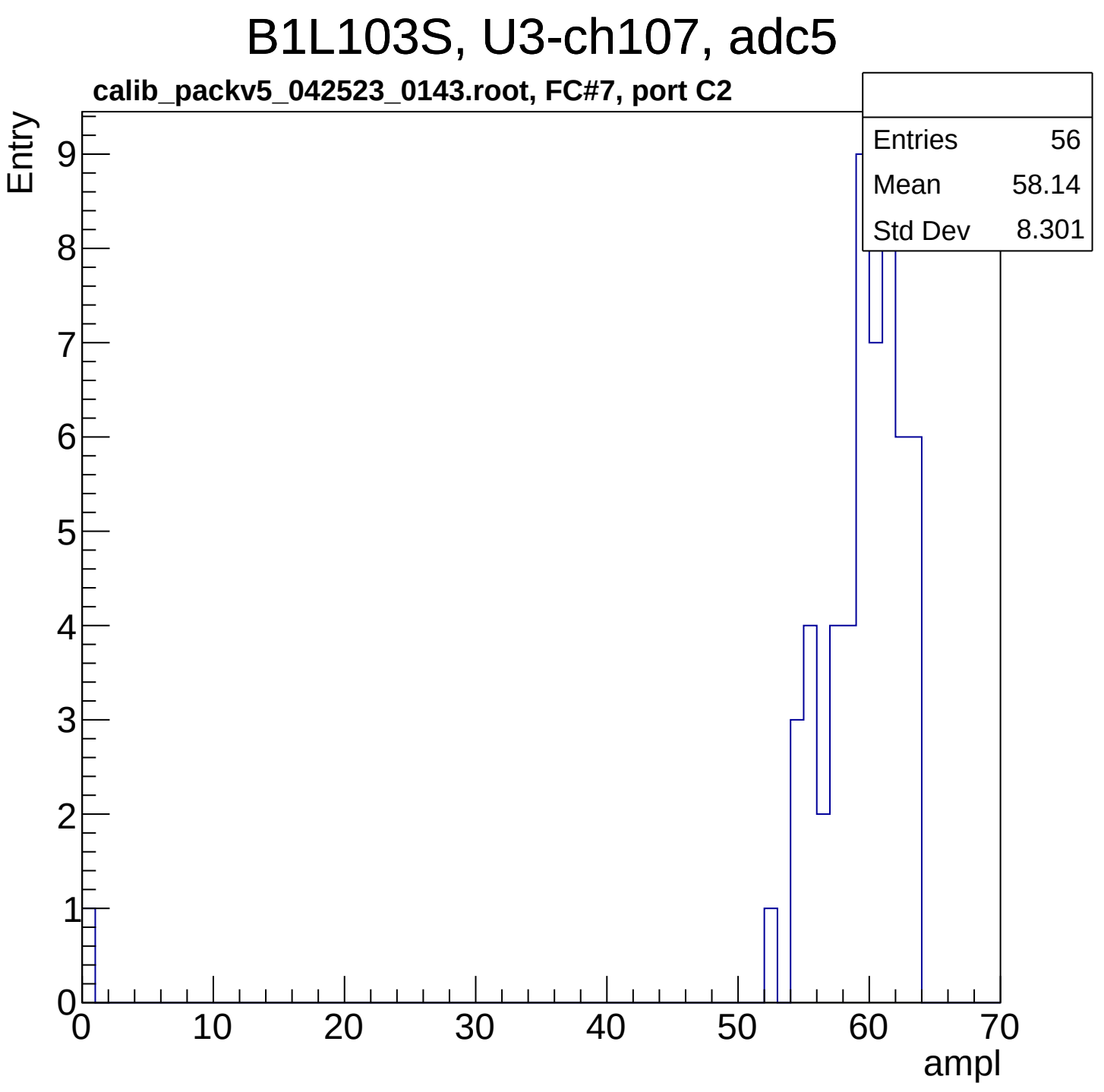
B1L103S, U3-ch107, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 58.14
Std Dev 8.301
Entry
ampl
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2
3
4
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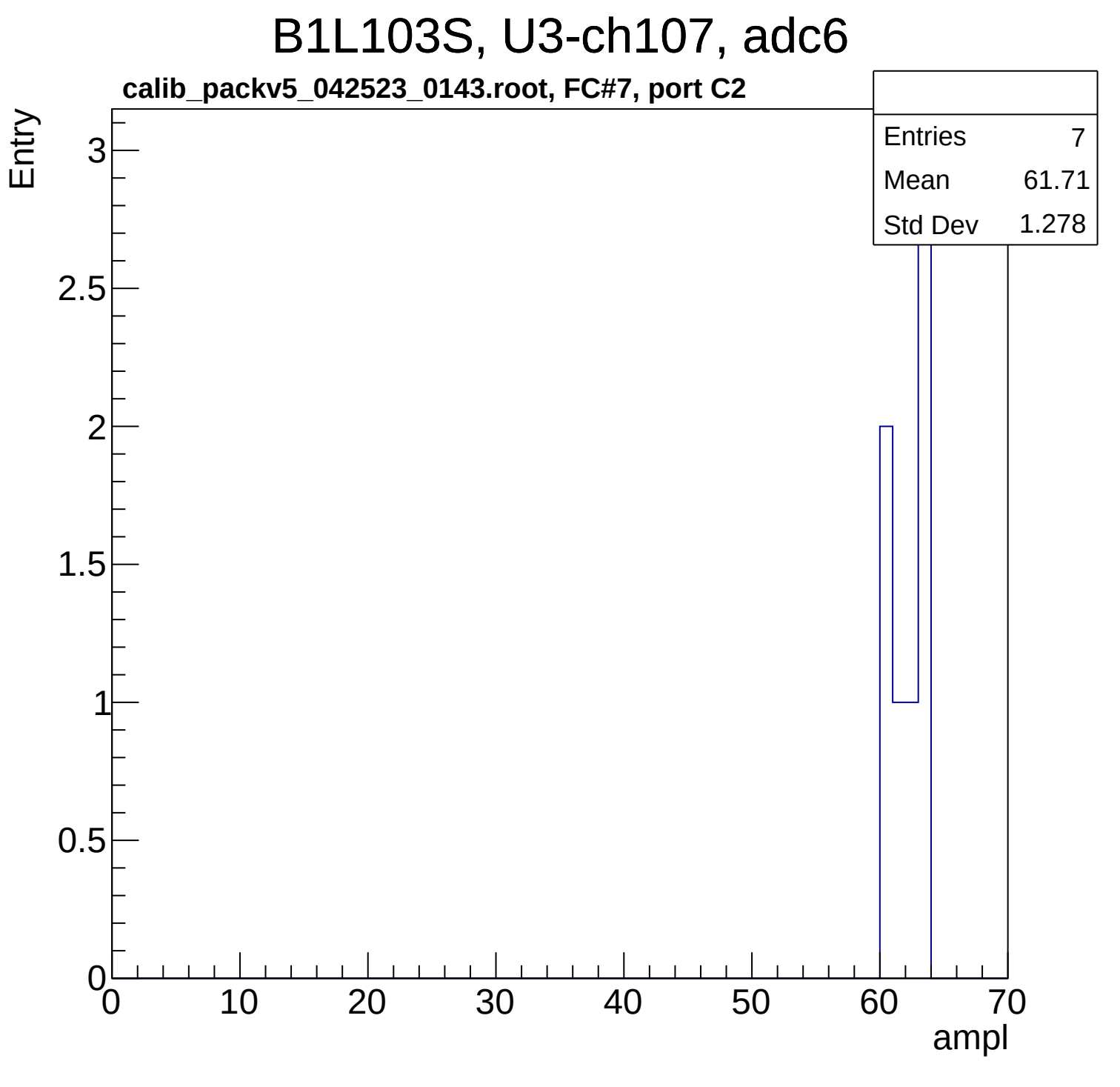
B1L103S, U3-ch107, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 7
Mean 61.71
Std Dev 1.278
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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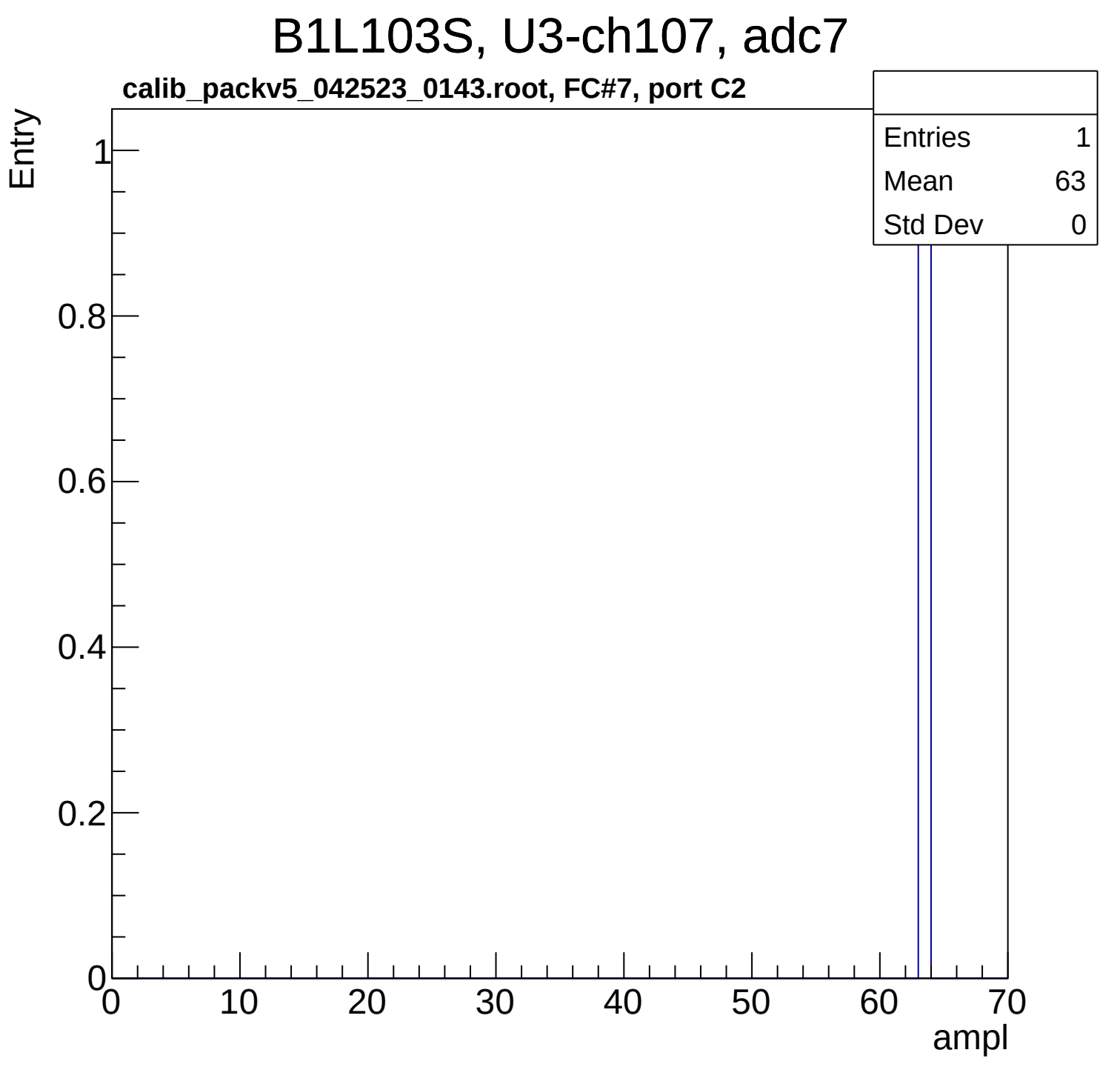
B1L103S, U3-ch107, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 63
Std Dev 0
Entry
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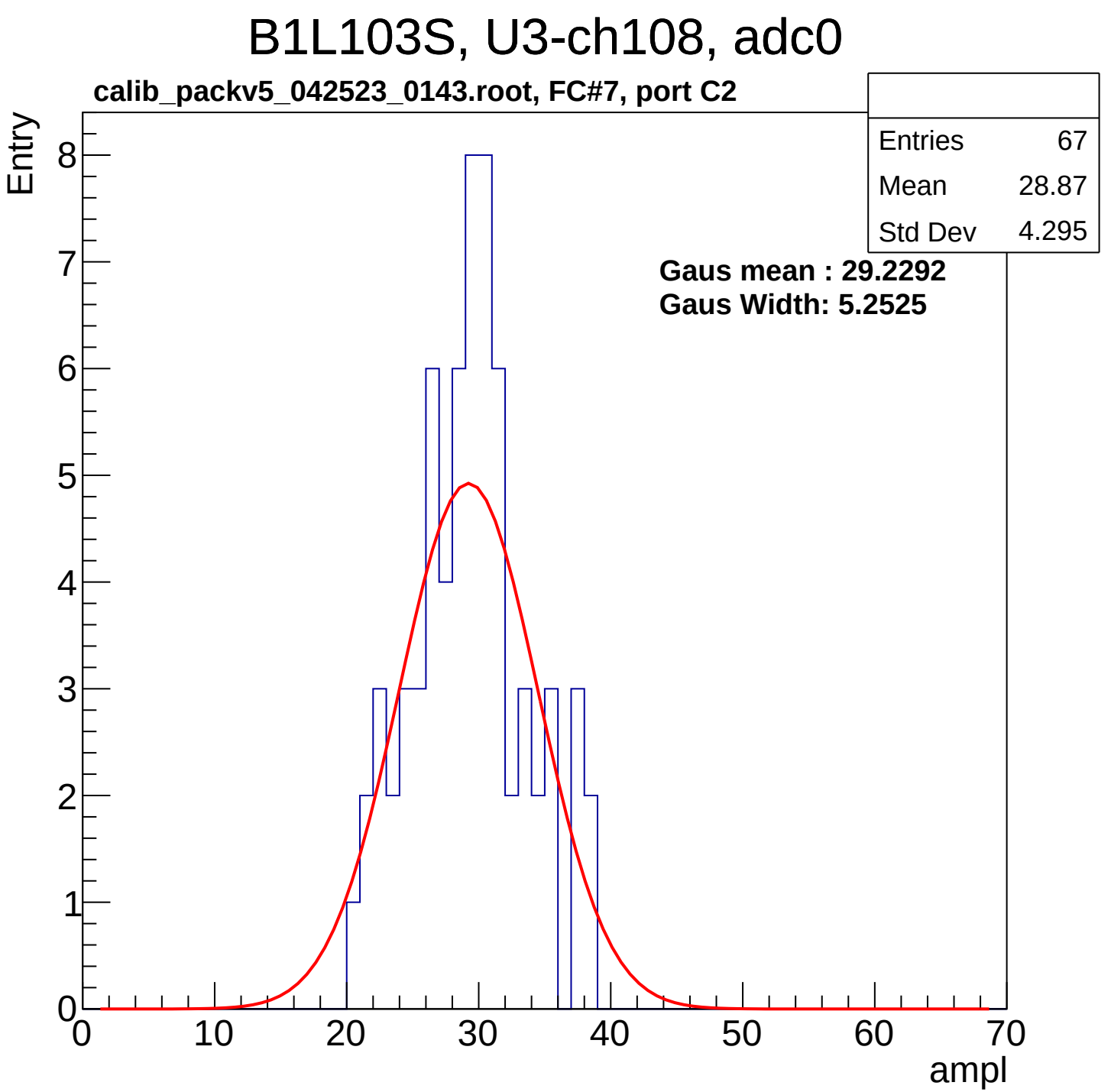
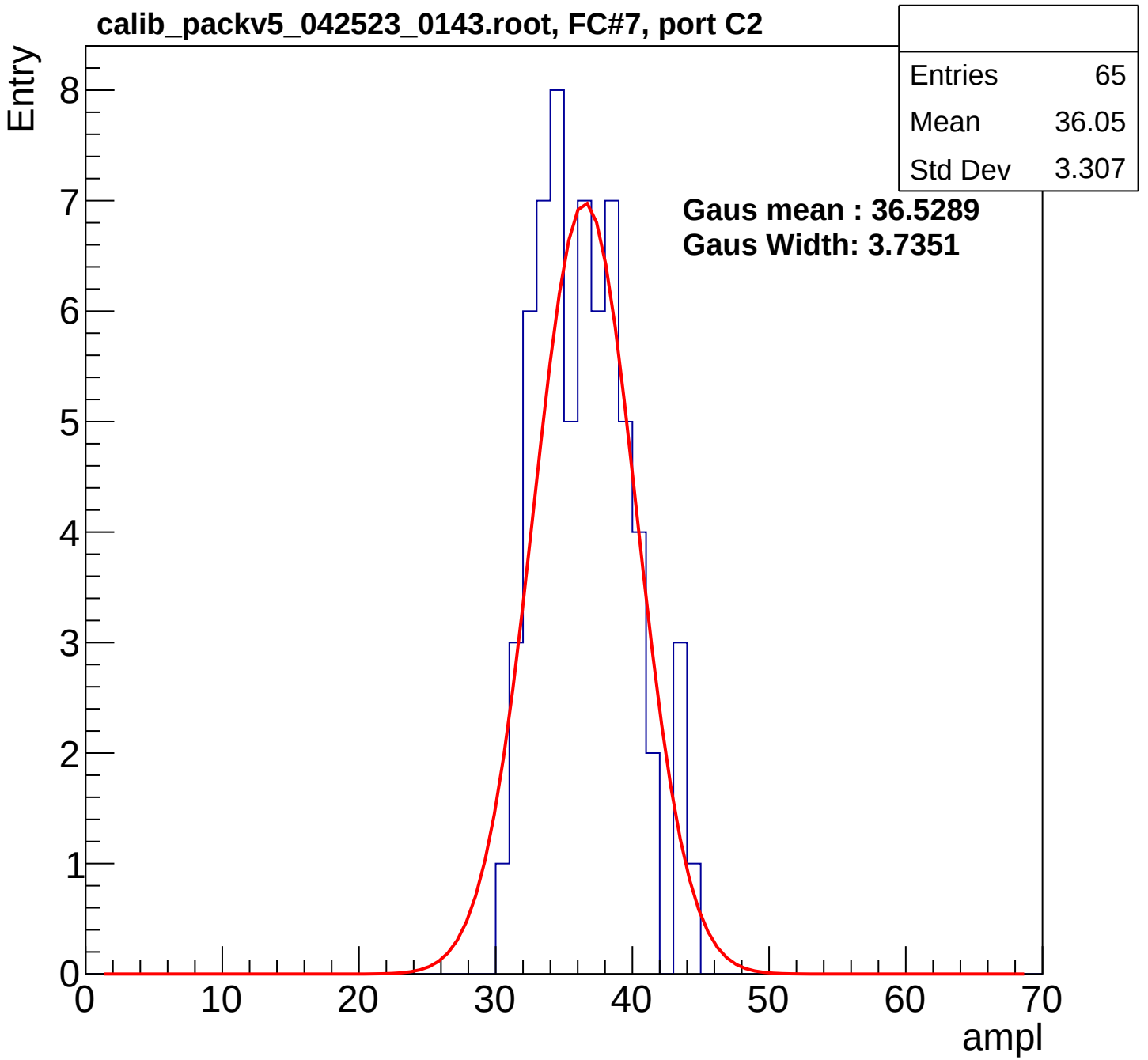
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch108, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 28.87
Std Dev 4.295
Gaus mean : 29.2292
Gaus Width: 5.2525
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch108, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 36.05
Std Dev 3.307
Gaus mean : 36.5289
Gaus Width: 3.7351
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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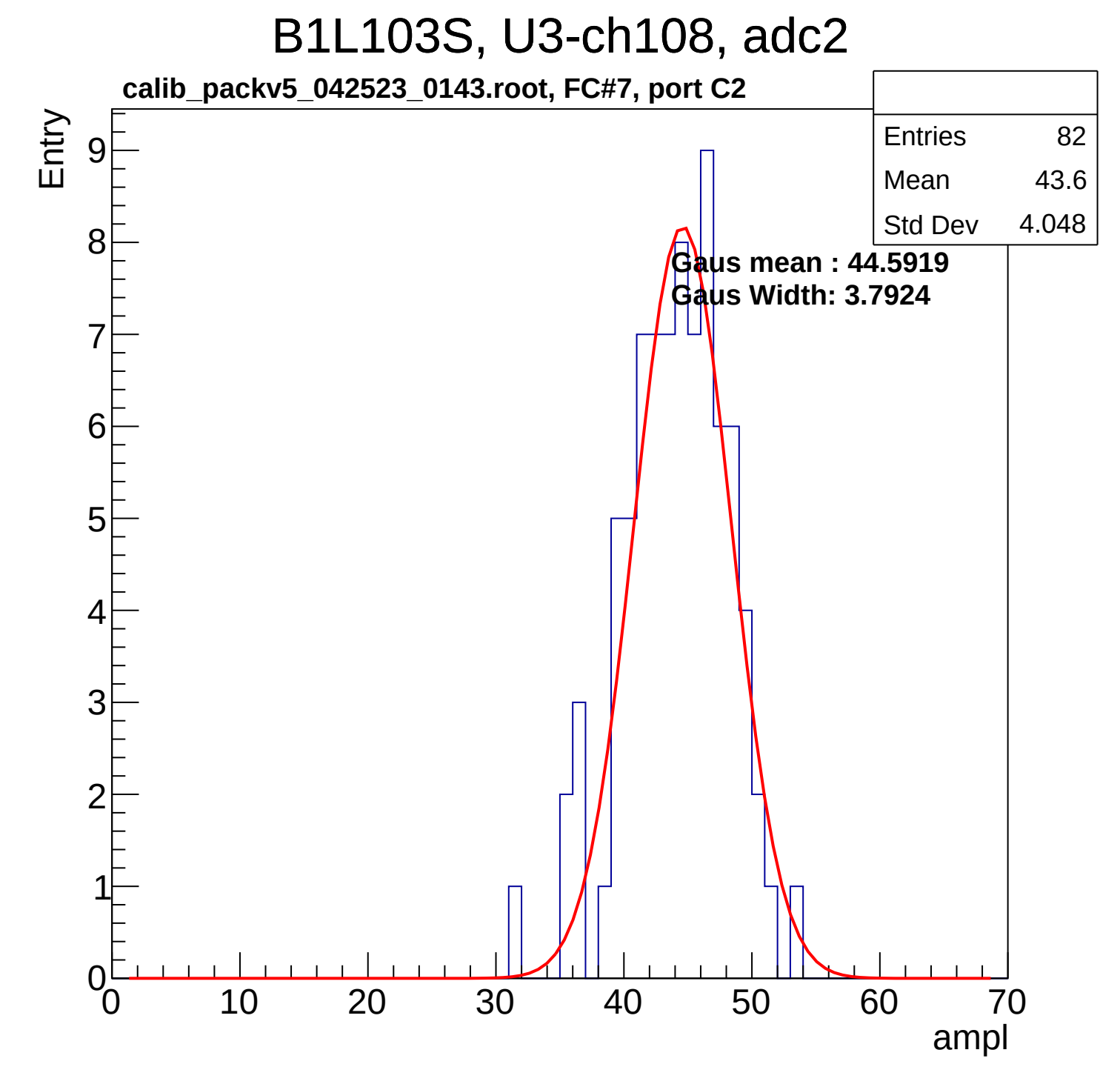
B1L103S, U3-ch108, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 82
Mean 43.6
Std Dev 4.048
Gaus mean : 44.5919
Gaus Width: 3.7924
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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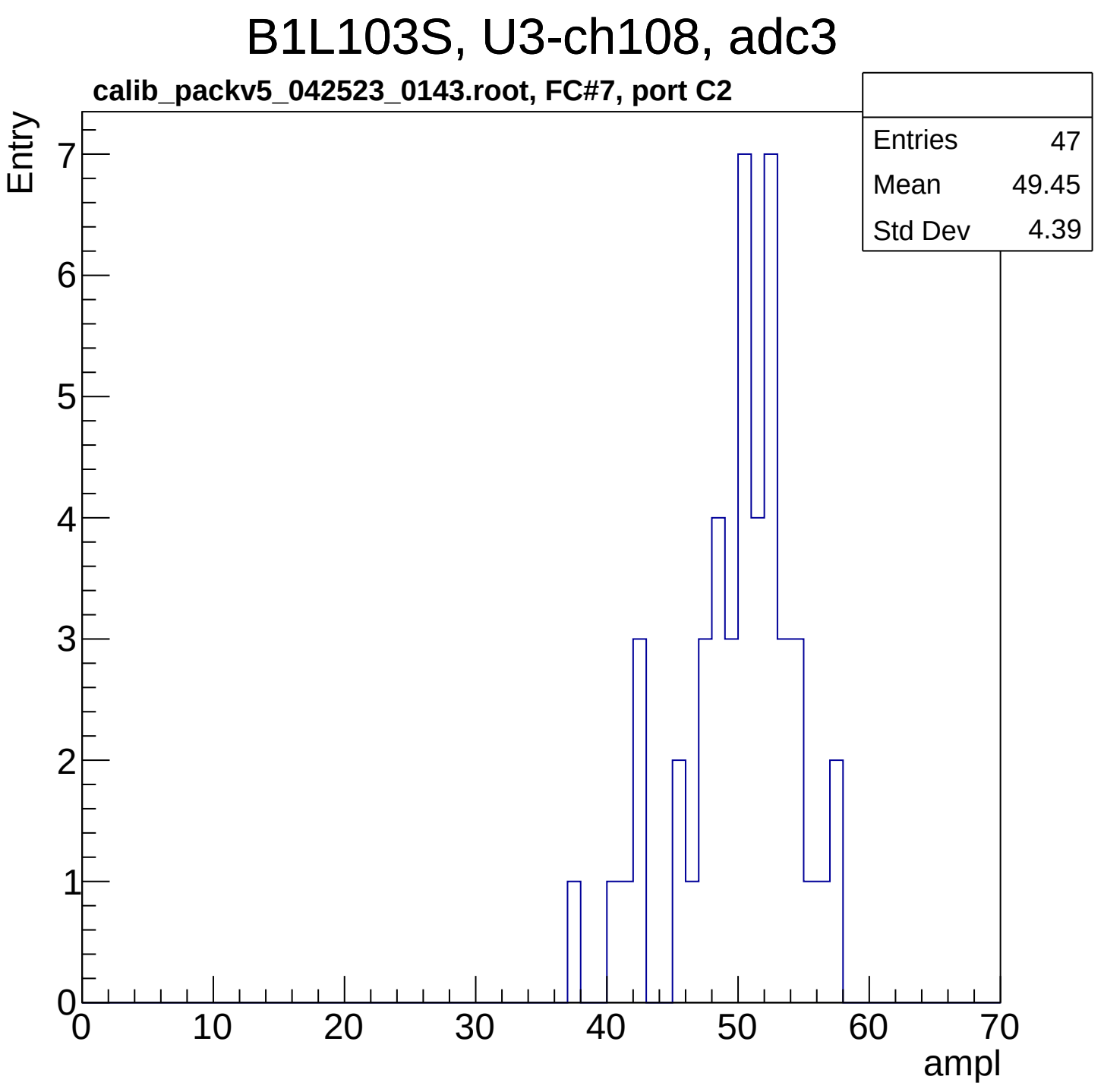
B1L103S, U3-ch108, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 49.45
Std Dev 4.39
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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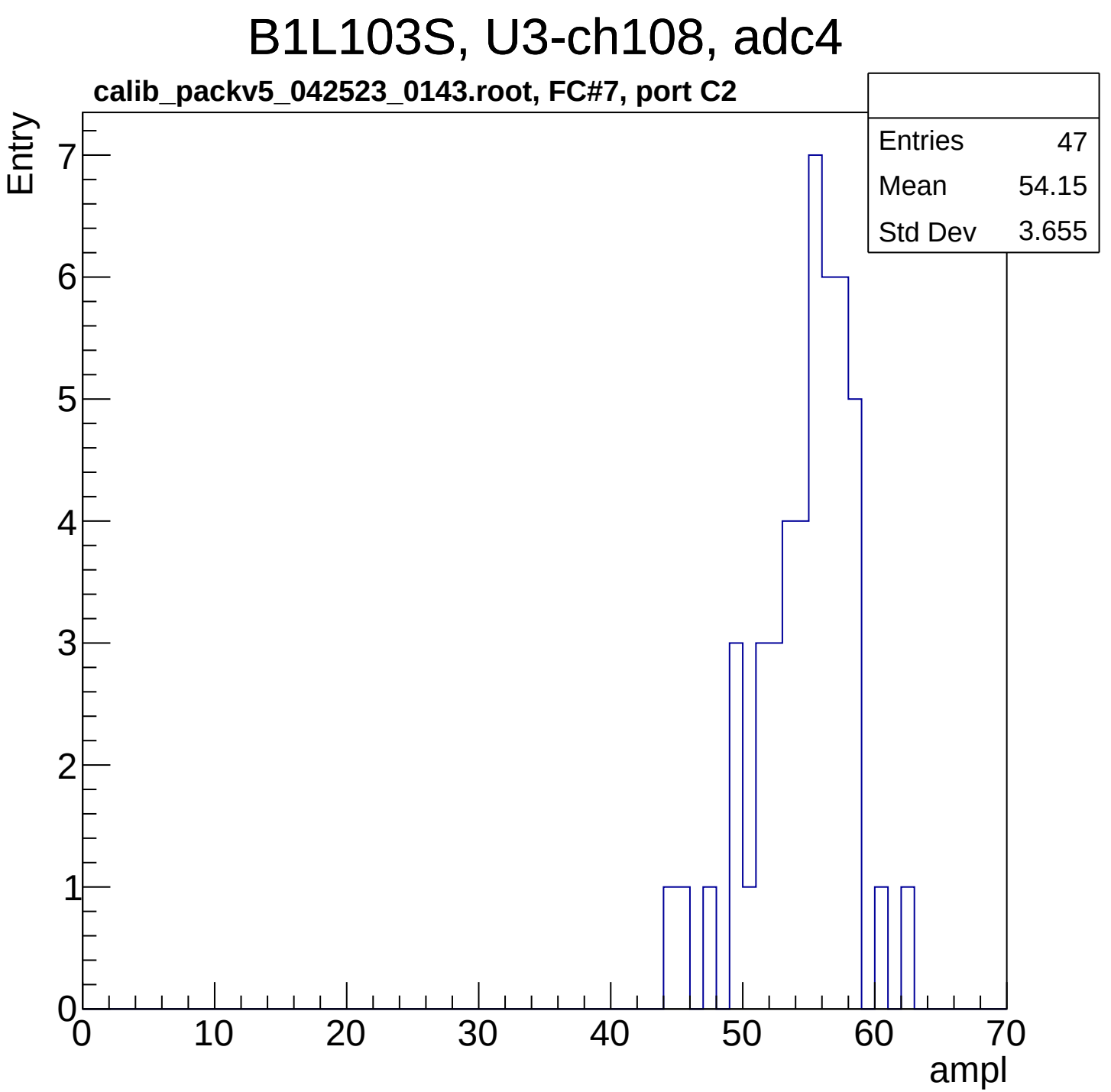
B1L103S, U3-ch108, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 47
Mean 54.15
Std Dev 3.655
Entry
ampl
0
1
2
3
4
5
6
7
0
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20
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40
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60
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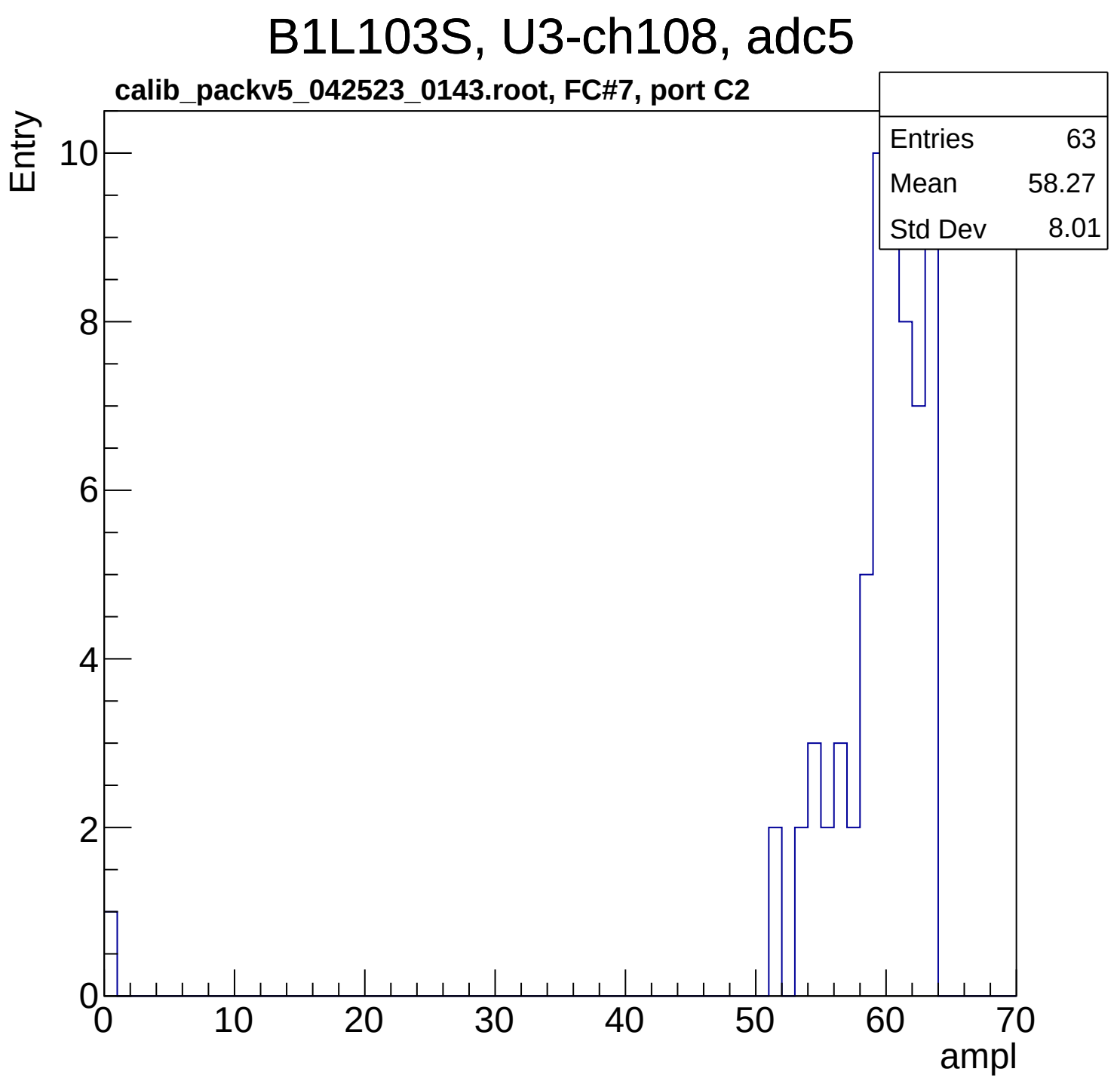
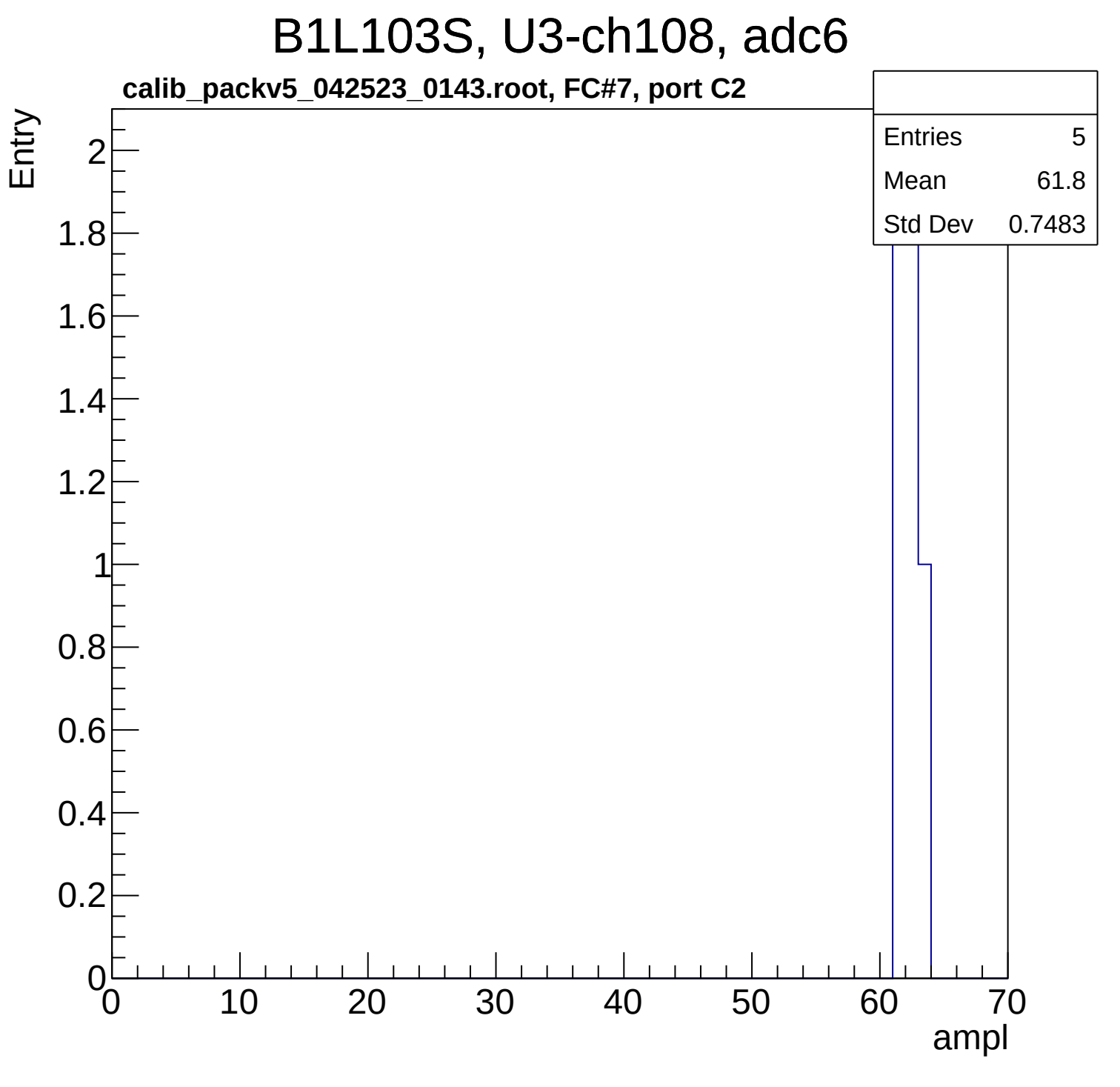

B1L103S, U3-ch108, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 58.27
Std Dev 8.01
Entry
0
2
4
6
8
10
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch108, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 5
Mean 61.8
Std Dev 0.7483
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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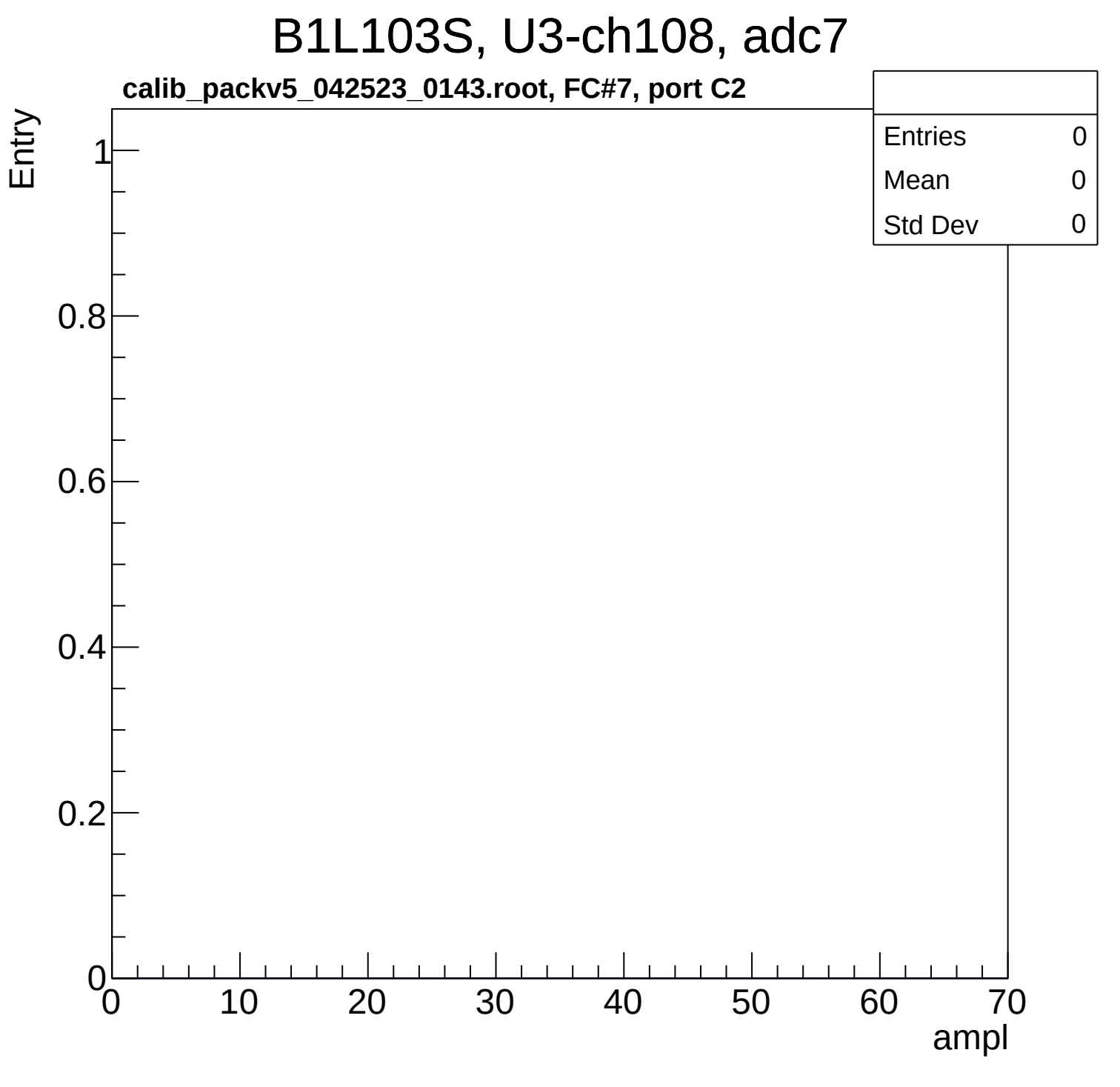
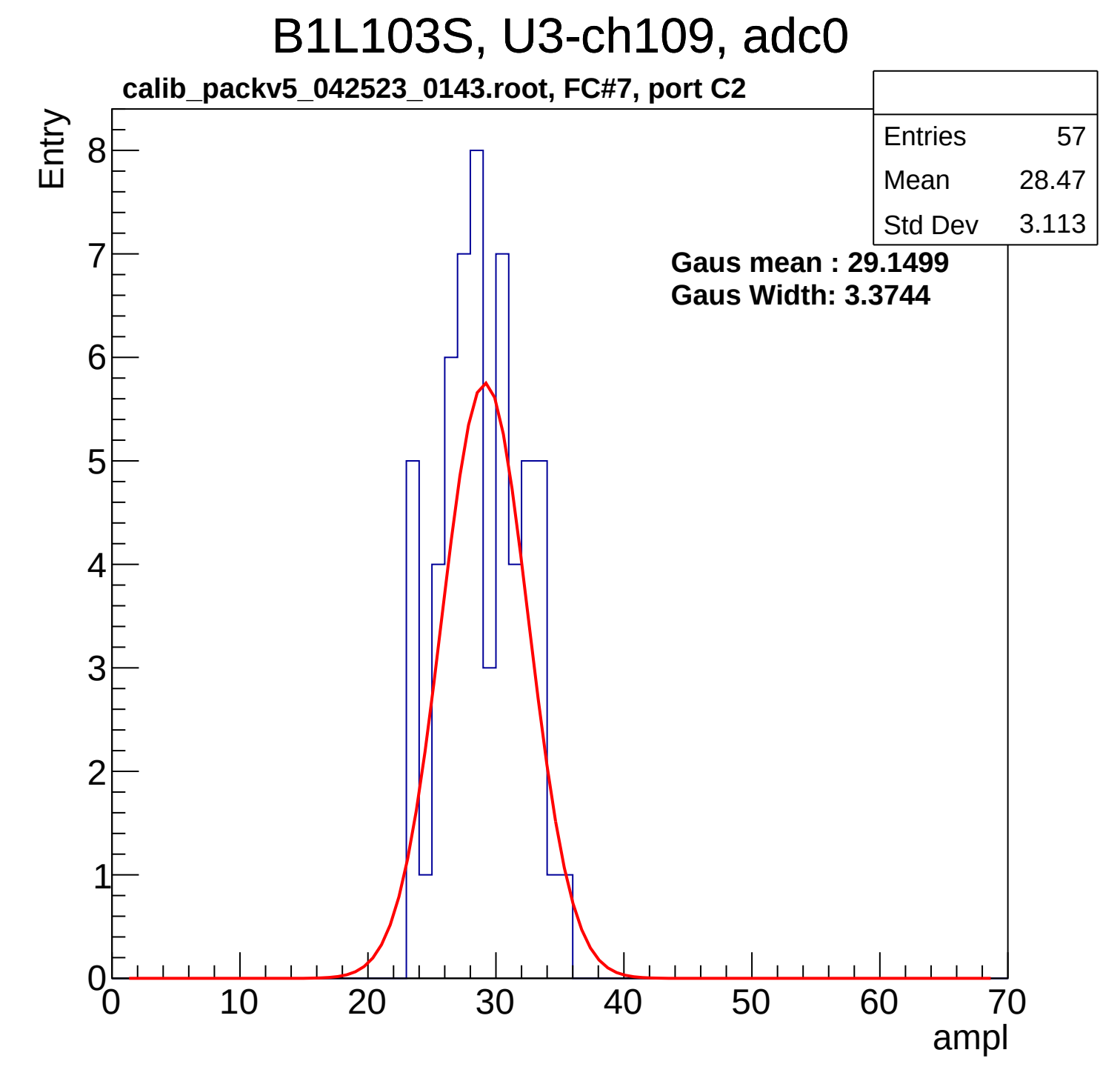
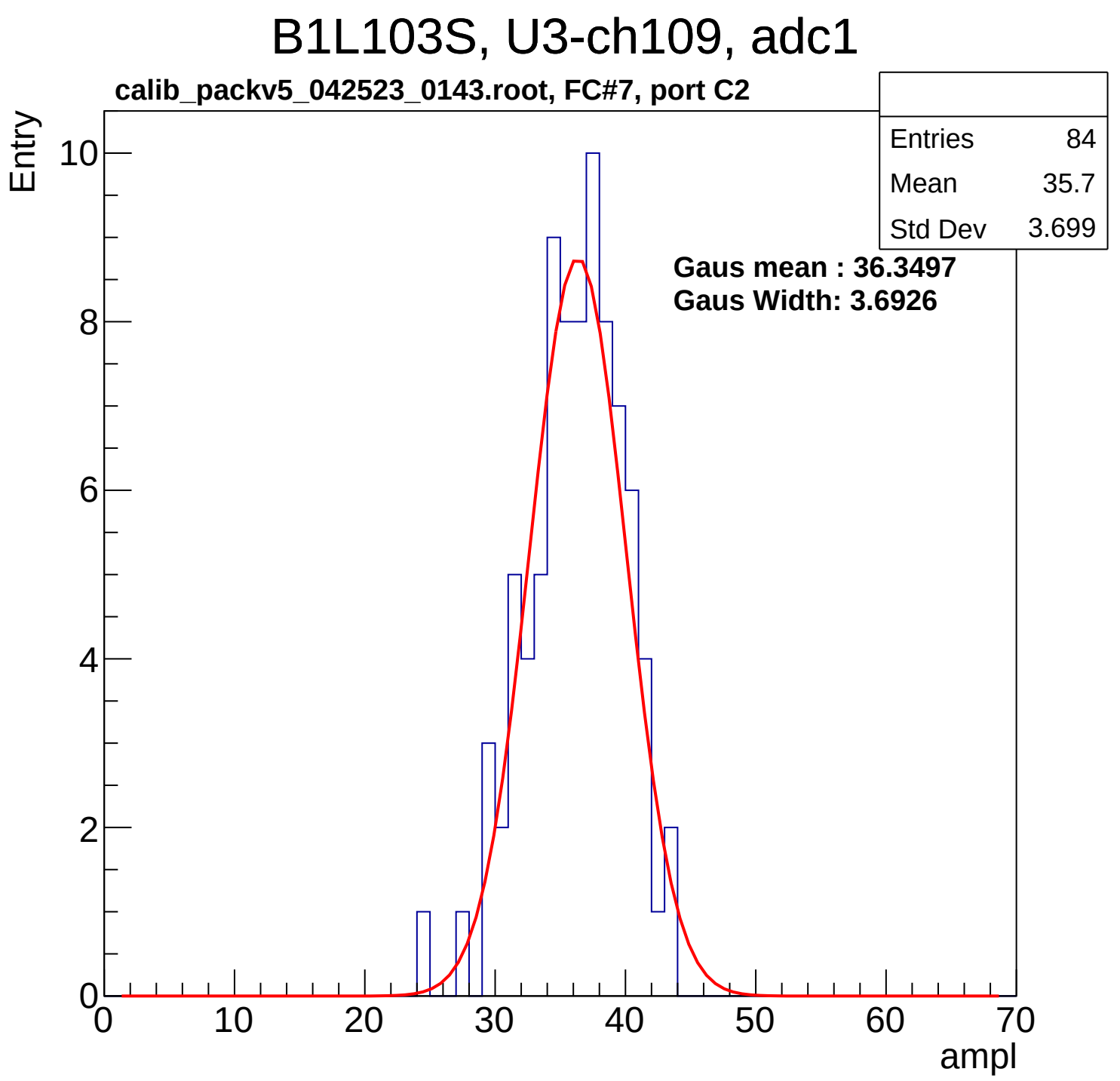
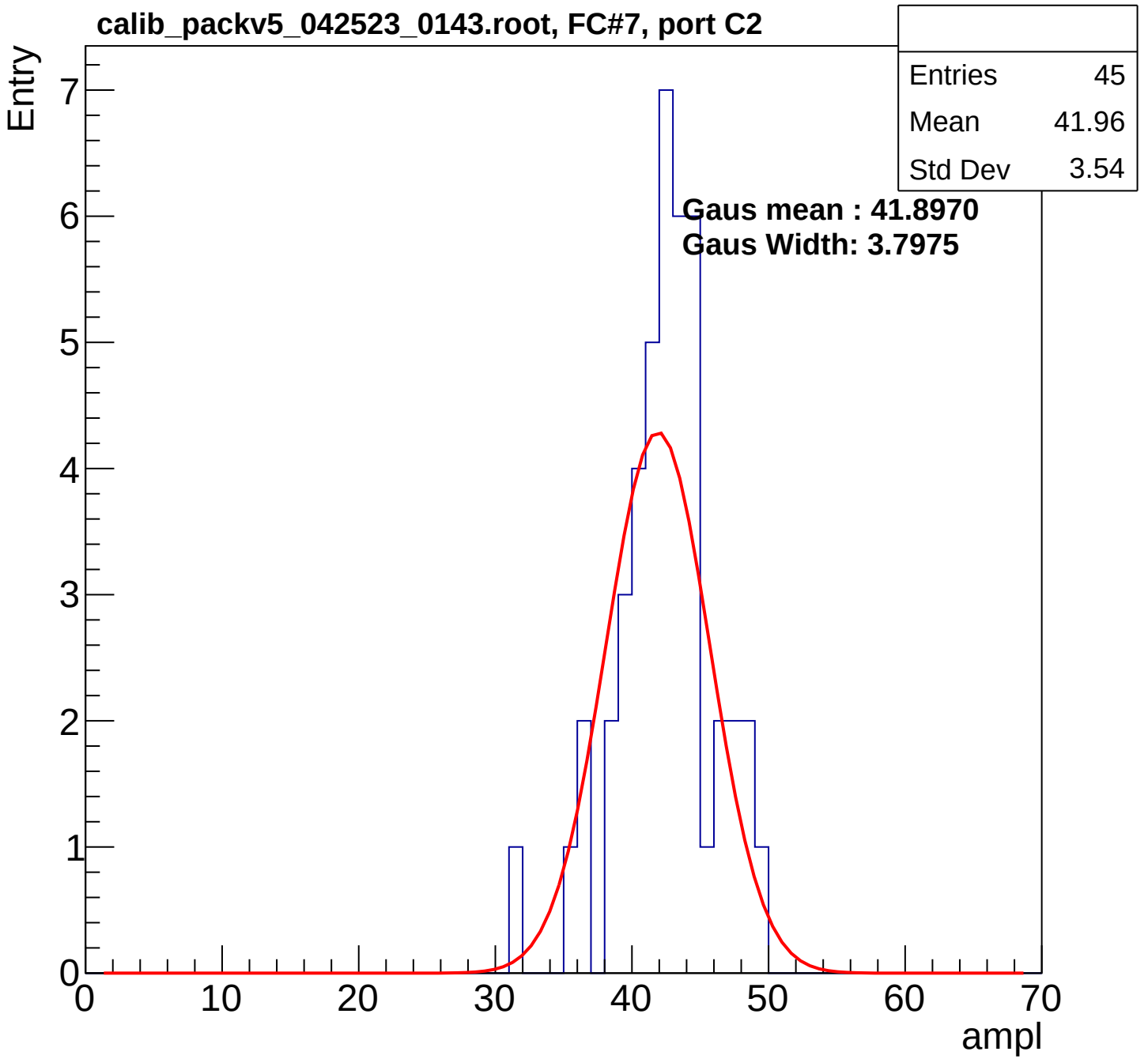

B1L103S, U3-ch108, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch109, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 28.47
Std Dev 3.113
Gaus mean : 29.1499
Gaus Width: 3.3744
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch109, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 84
Mean 35.7
Std Dev 3.699
Gaus mean : 36.3497
Gaus Width: 3.6926
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch109, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 41.96
Std Dev 3.54
Gaus mean : 41.8970
Gaus Width: 3.7975
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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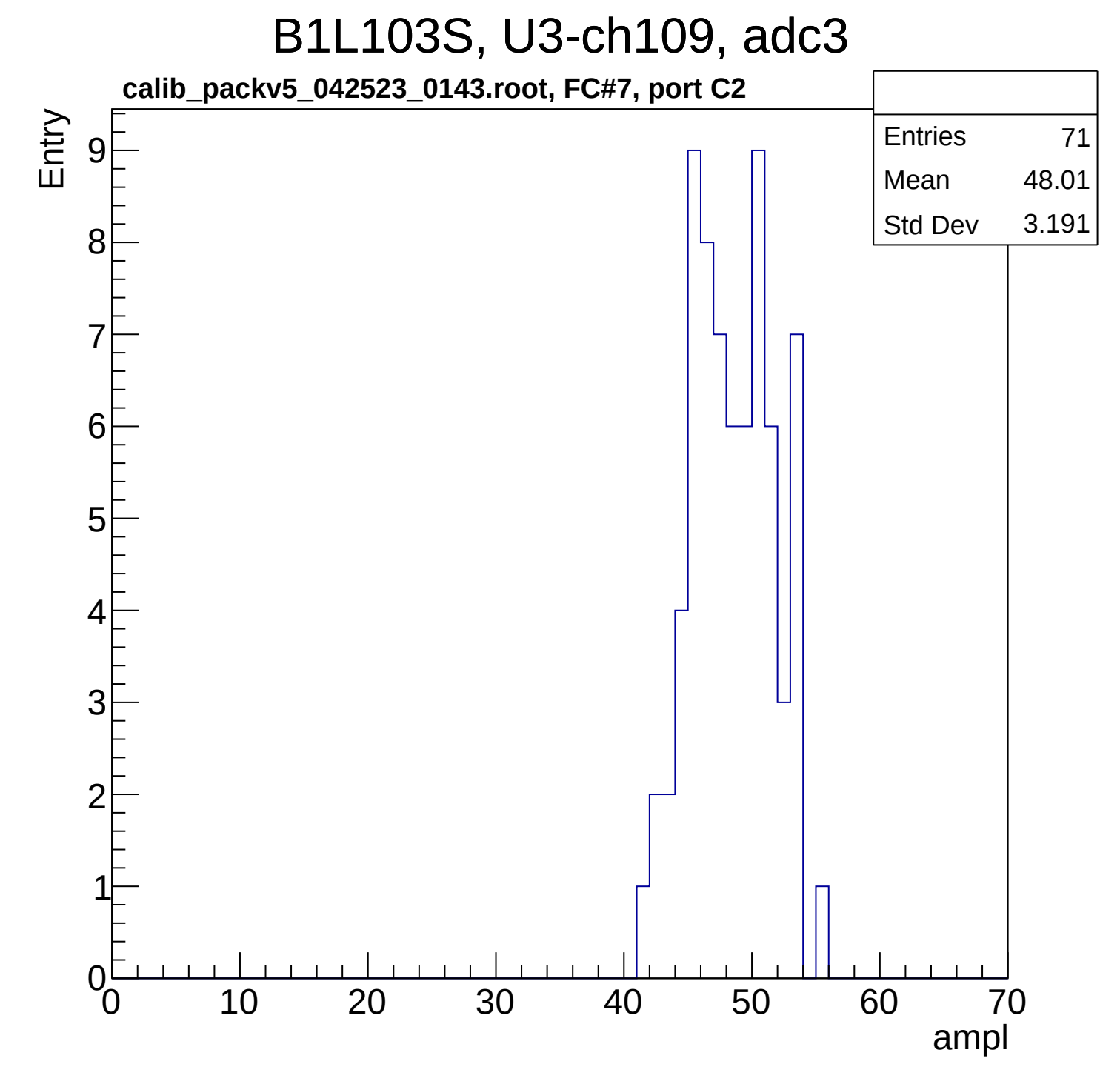
B1L103S, U3-ch109, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 48.01
Std Dev 3.191
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
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40
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60
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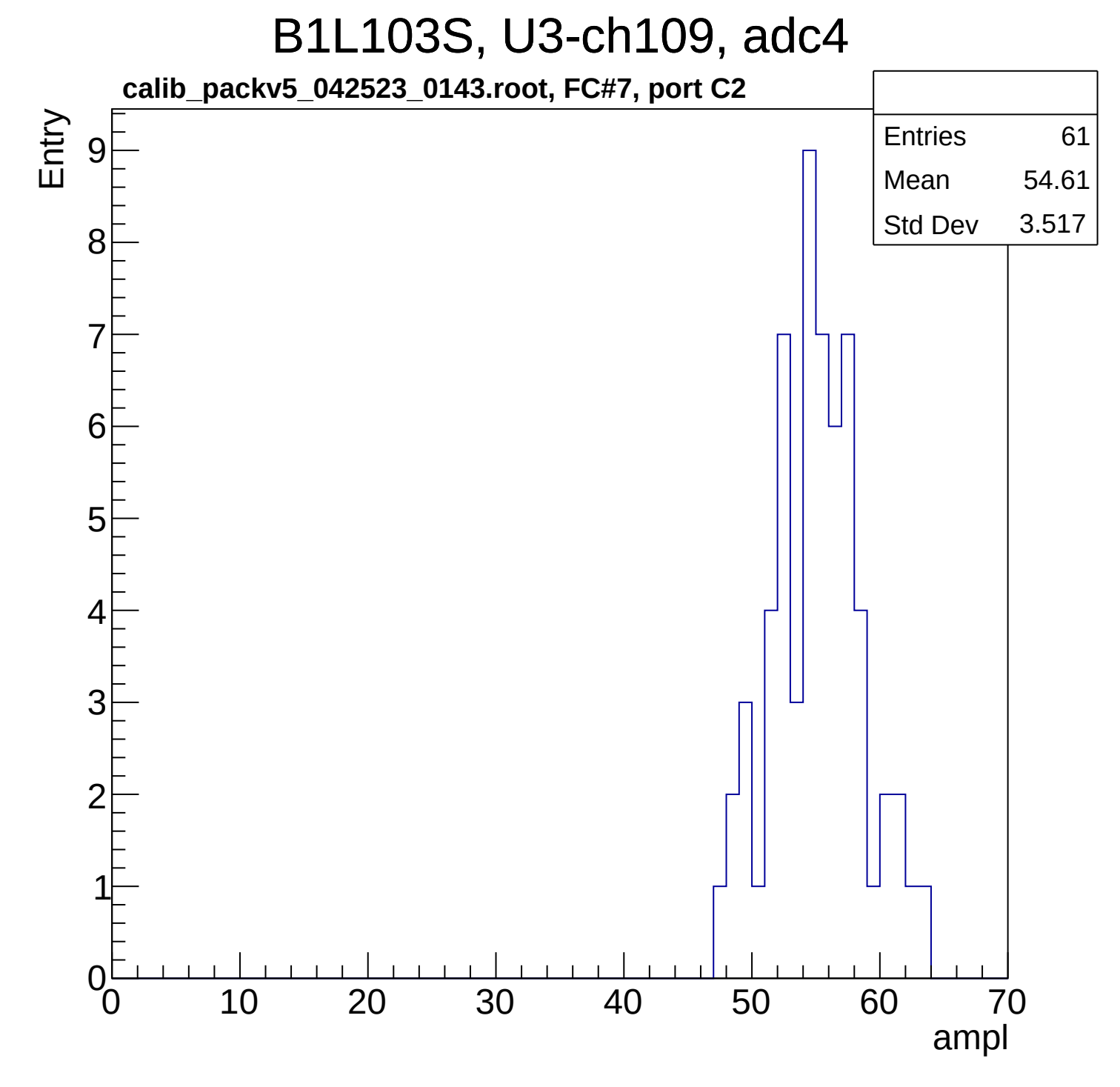
B1L103S, U3-ch109, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 54.61
Std Dev 3.517
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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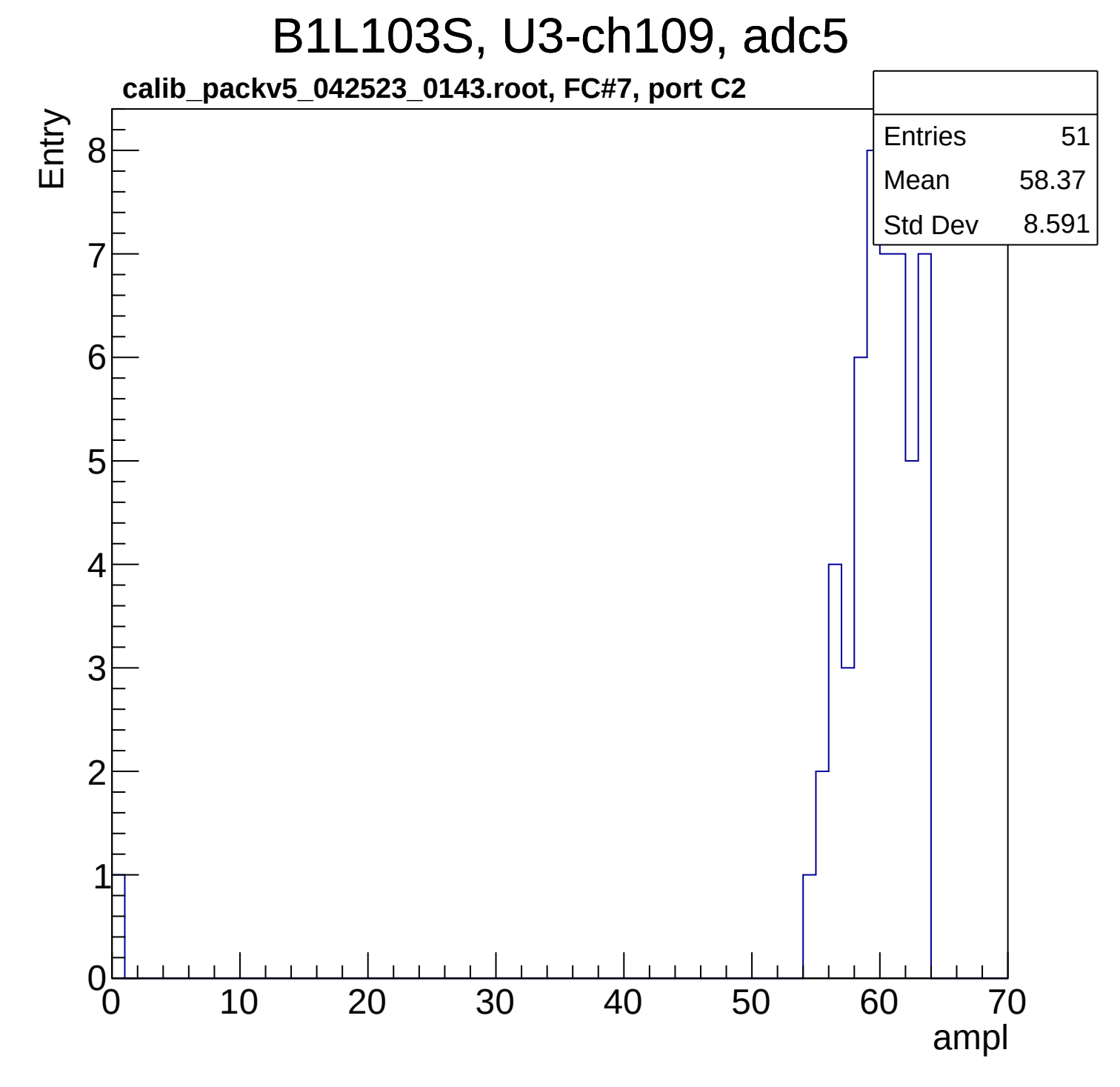
B1L103S, U3-ch109, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 58.37
Std Dev 8.591
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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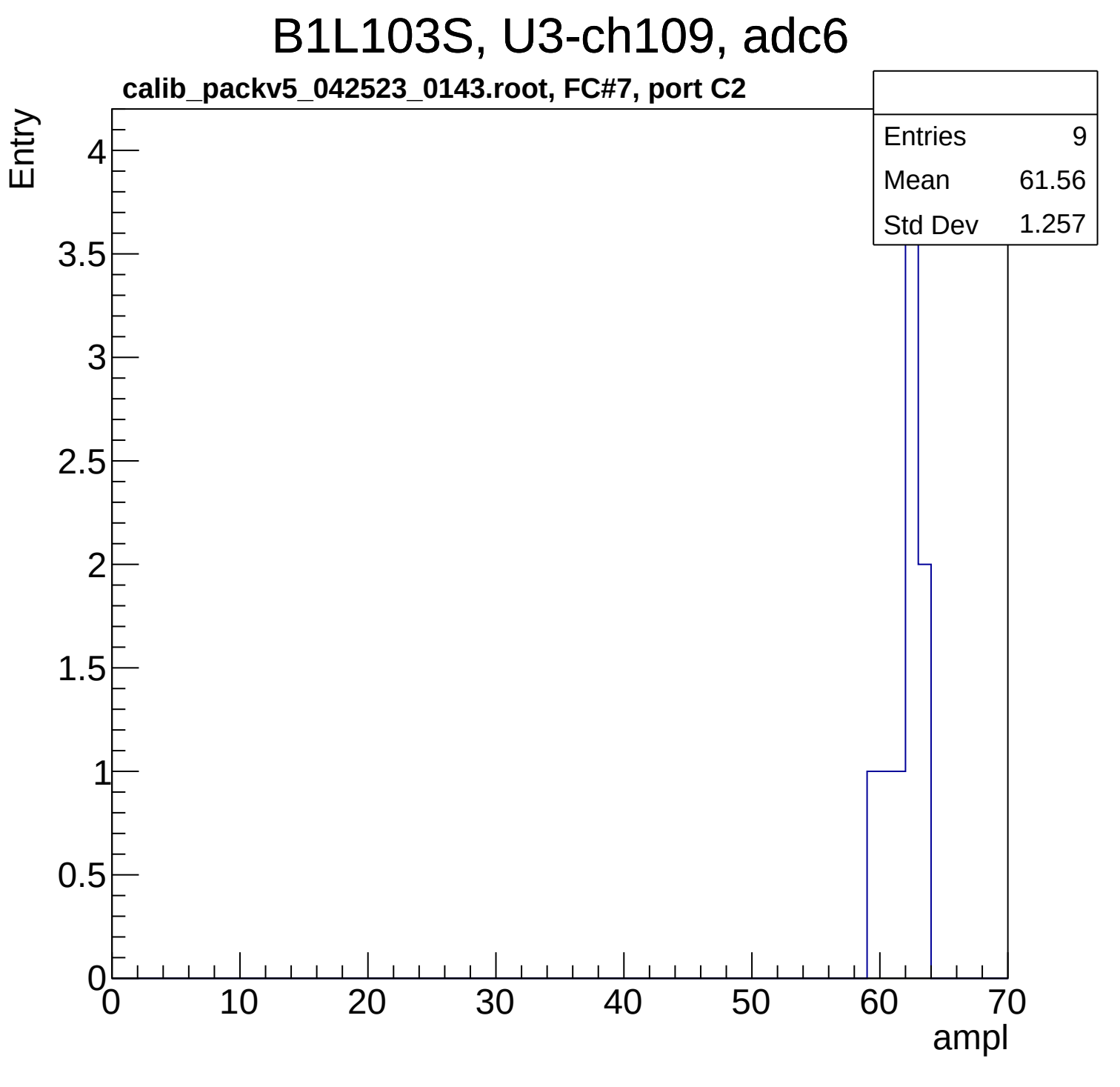
B1L103S, U3-ch109, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 61.56
Std Dev 1.257
Entry
ampl
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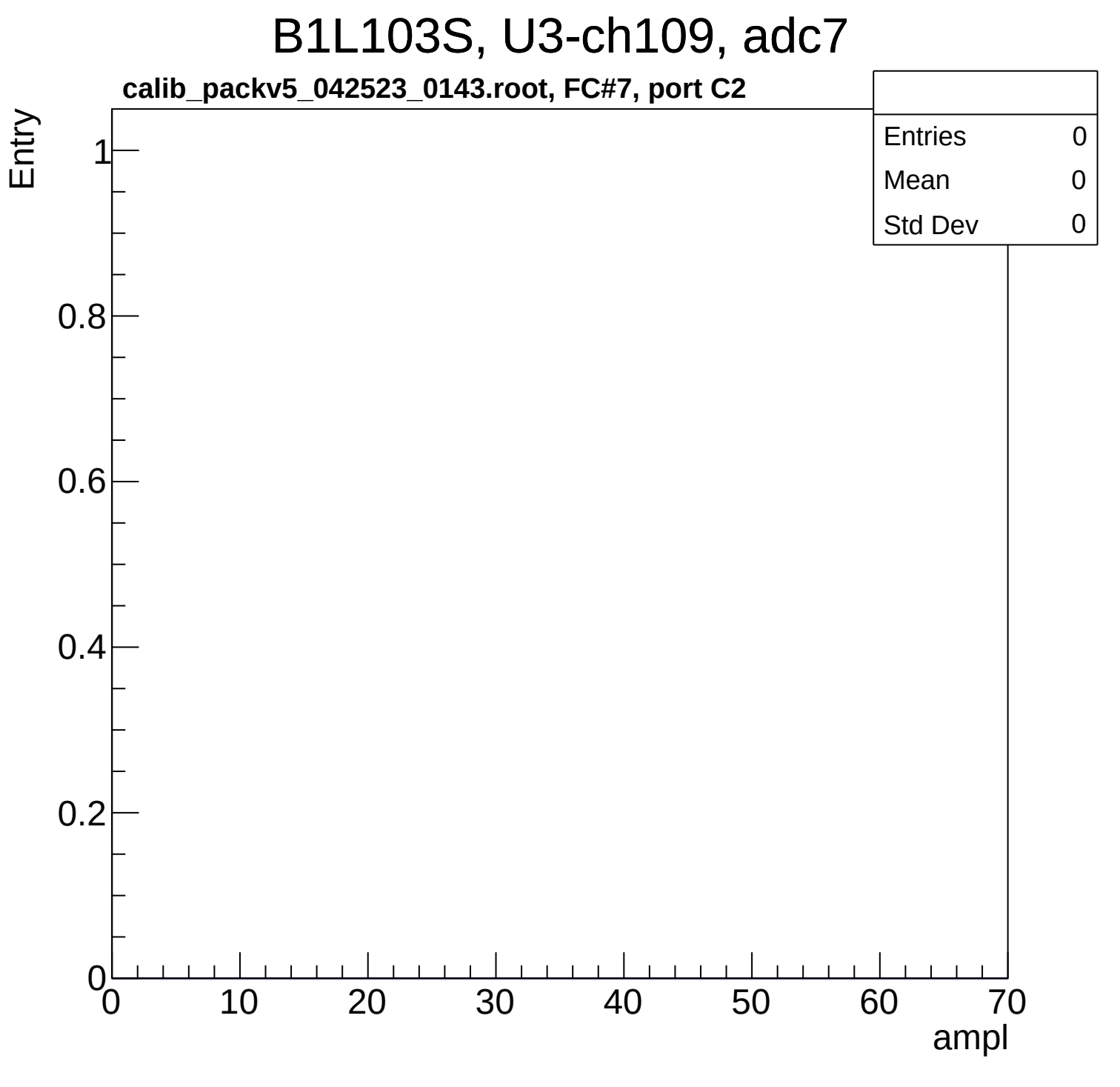
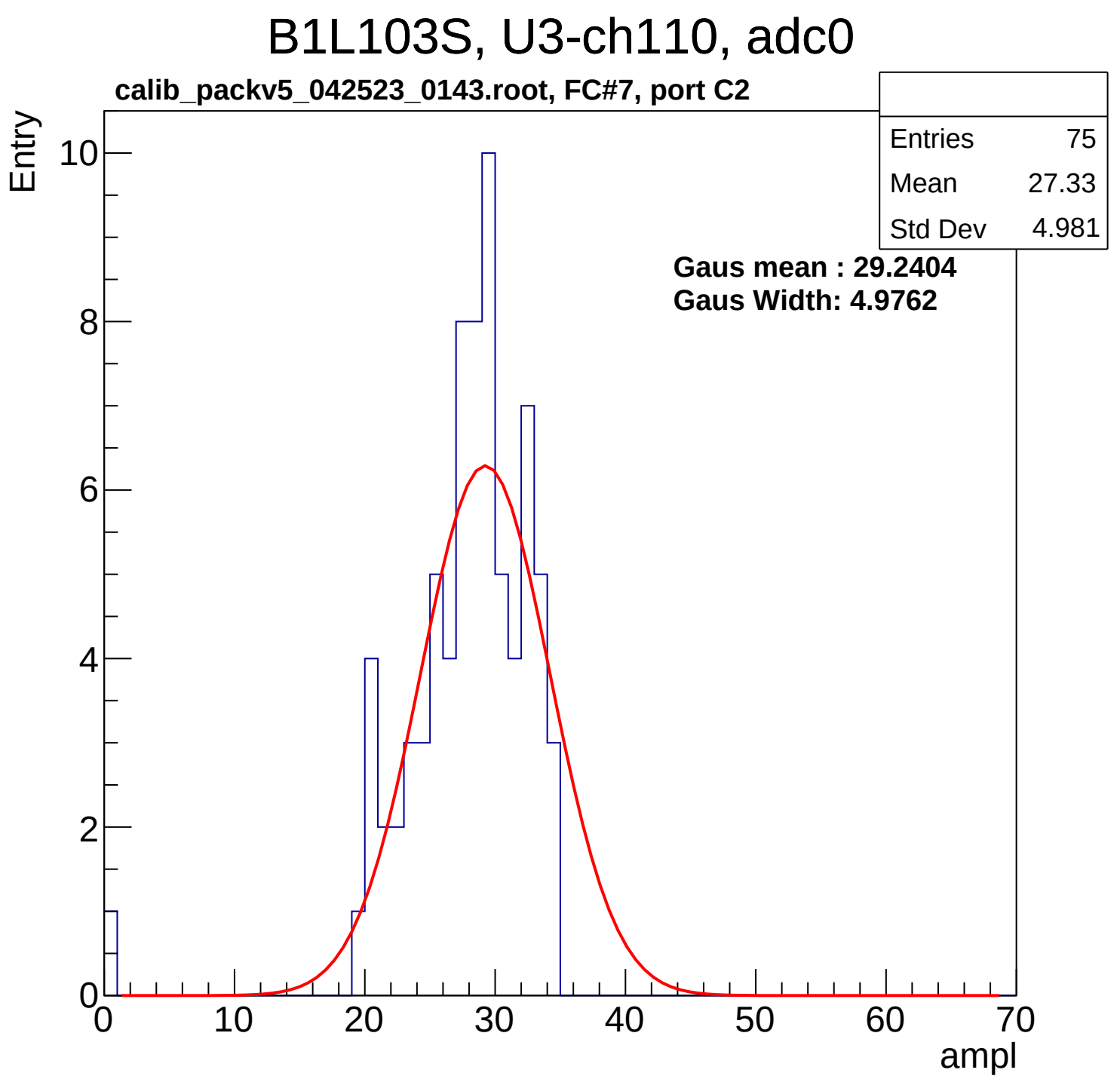
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch109, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch110, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 27.33
Std Dev 4.981
Gaus mean : 29.2404
Gaus Width: 4.9762
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
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60
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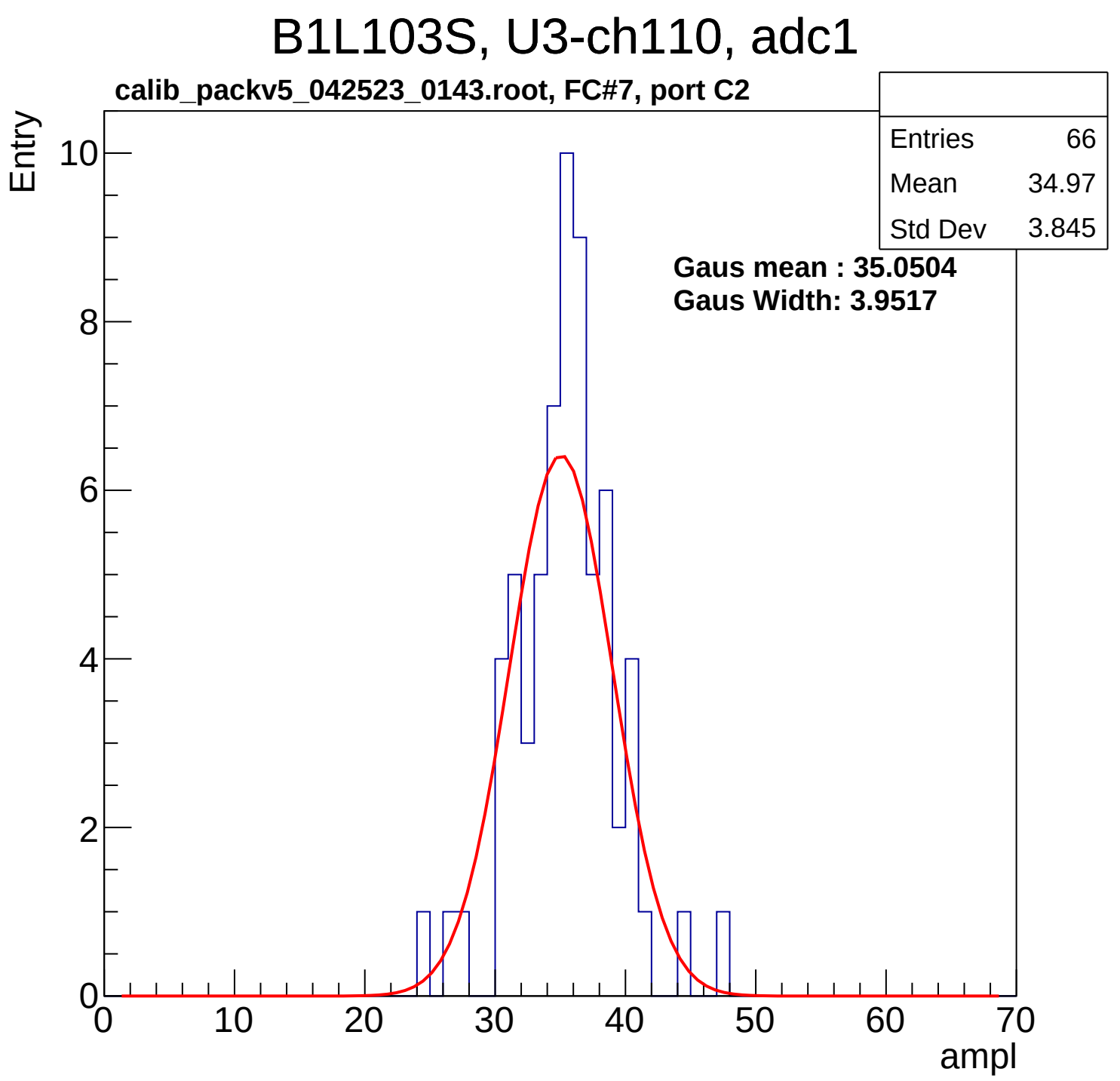
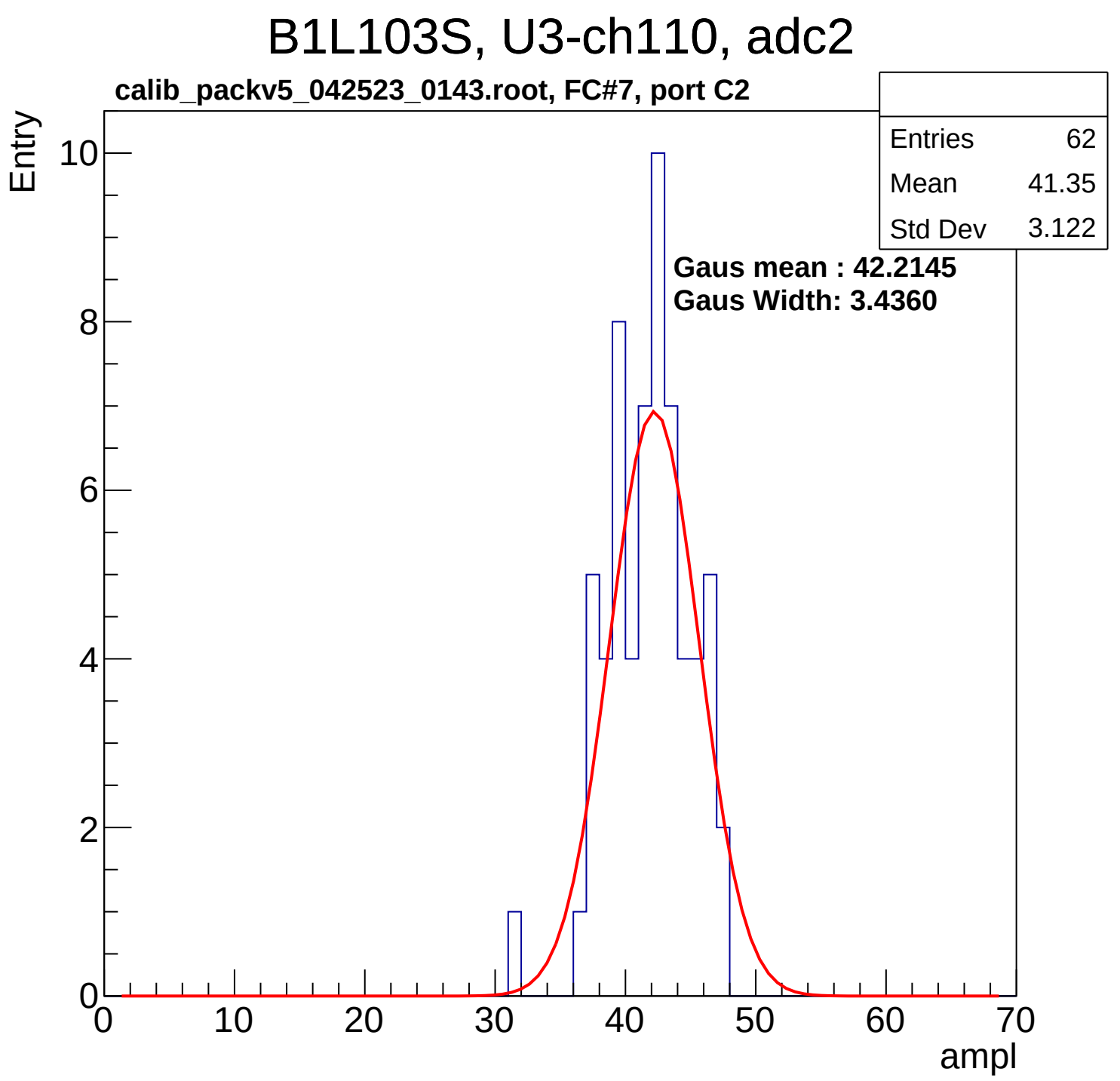

B1L103S, U3-ch110, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 34.97
Std Dev 3.845
Gaus mean : 35.0504
Gaus Width: 3.9517
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch110, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 41.35
Std Dev 3.122
Gaus mean : 42.2145
Gaus Width: 3.4360
Entry
ampl
0
2
4
6
8
10
0
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20
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60
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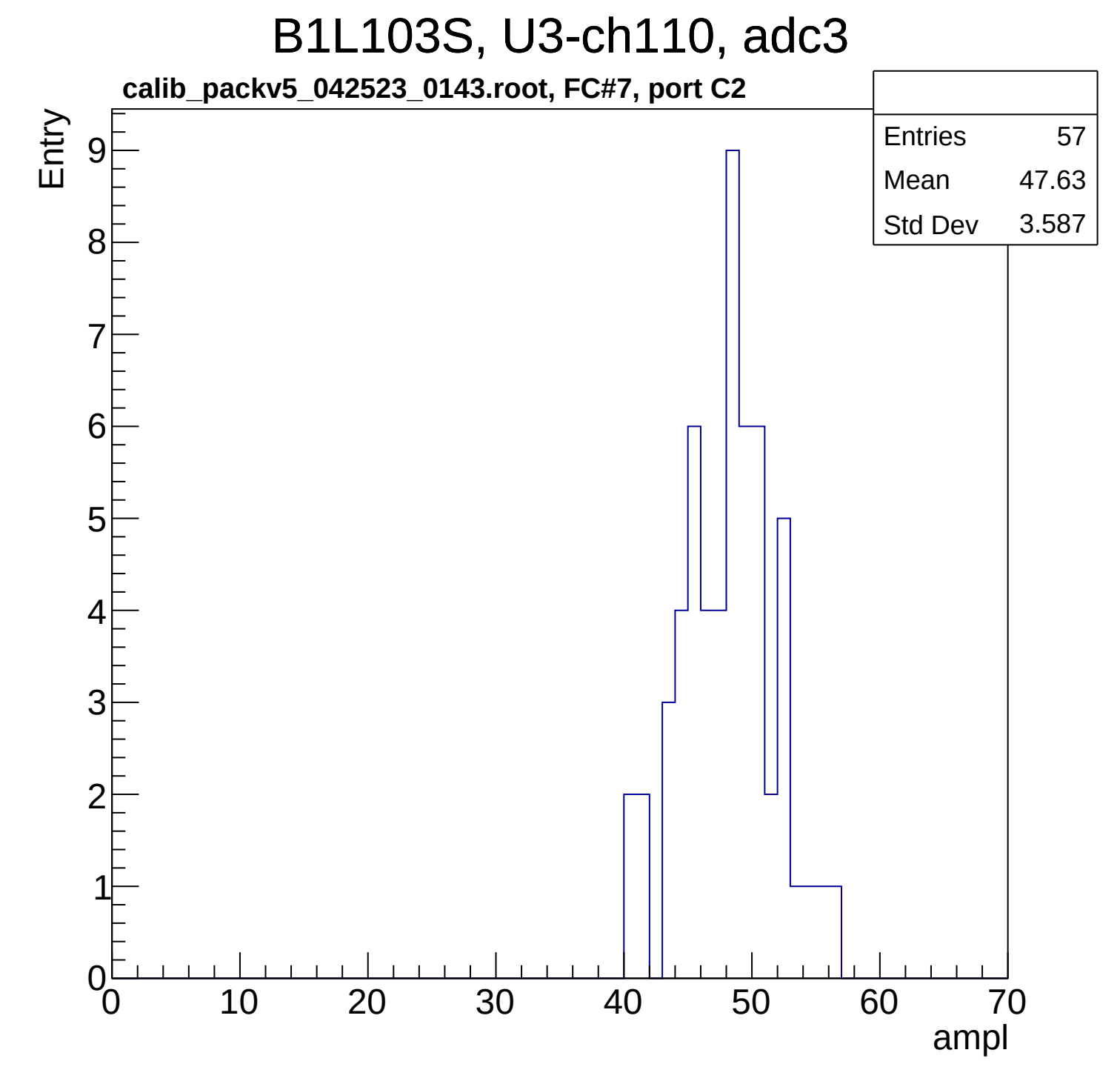
B1L103S, U3-ch110, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 47.63
Std Dev 3.587
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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40
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60
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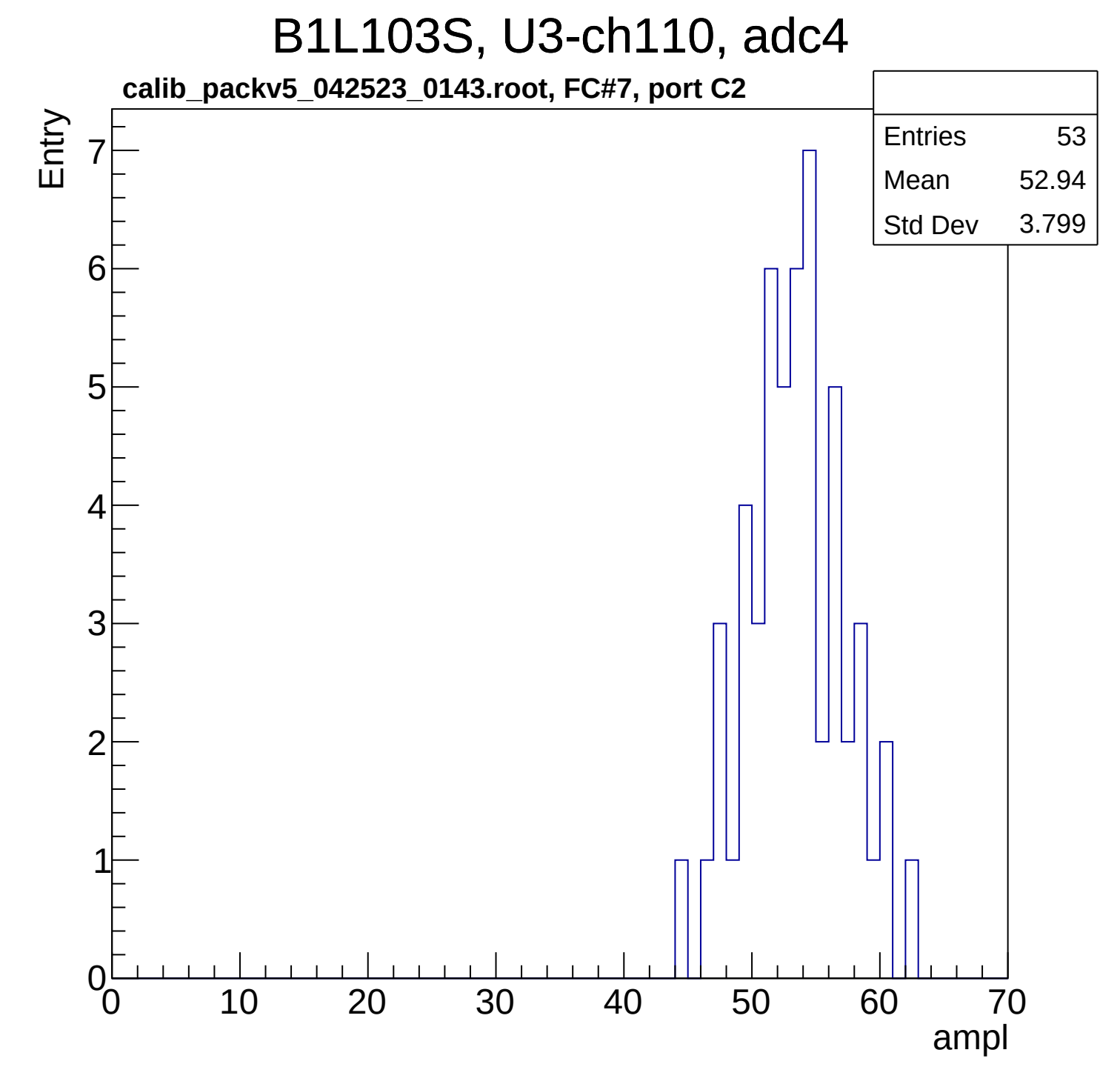
B1L103S, U3-ch110, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 52.94
Std Dev 3.799
Entry
ampl
0
1
2
3
4
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6
7
0
10
20
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60
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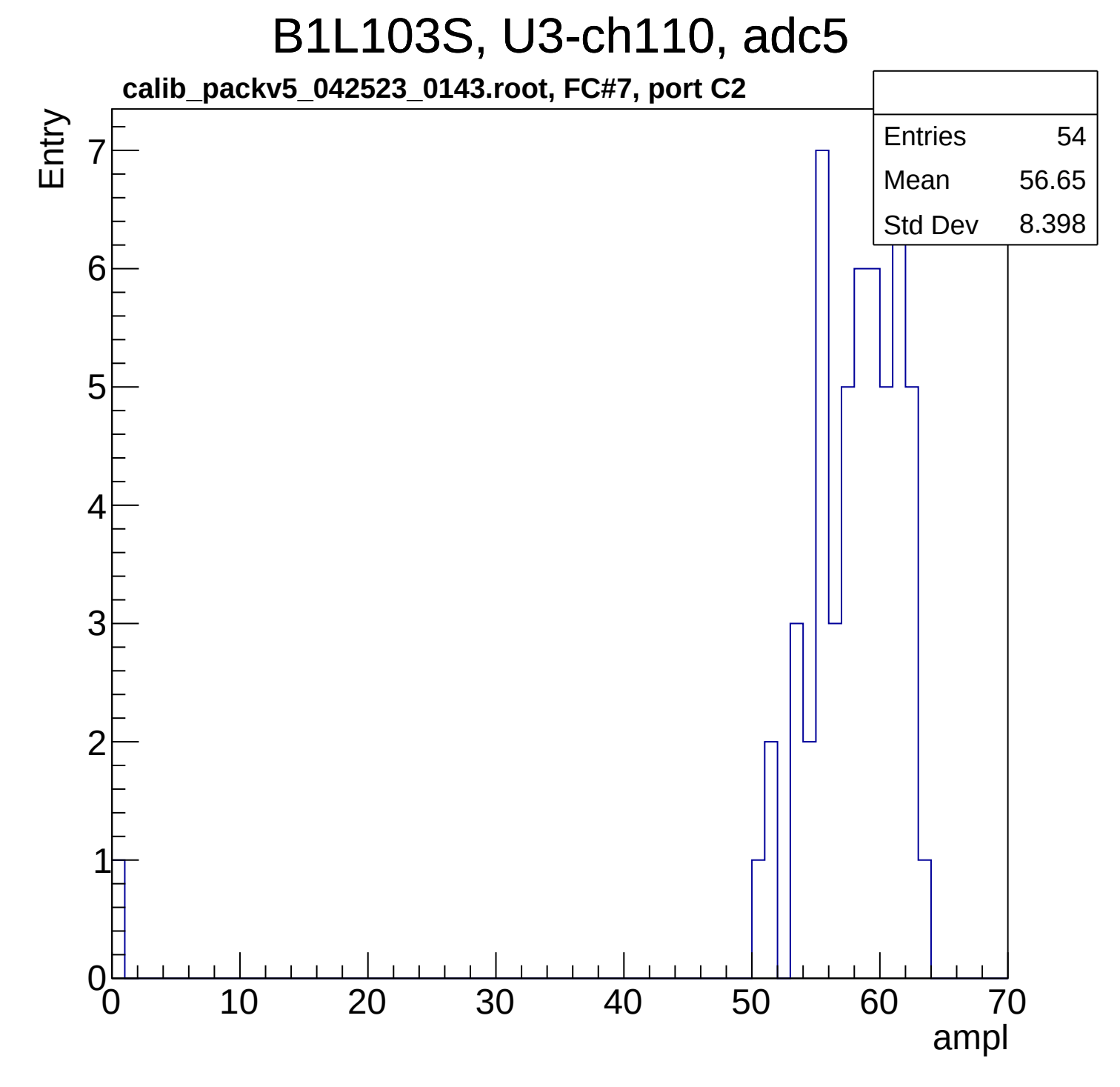
B1L103S, U3-ch110, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 56.65
Std Dev 8.398
Entry
ampl
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3
4
5
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7
0
10
20
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40
50
60
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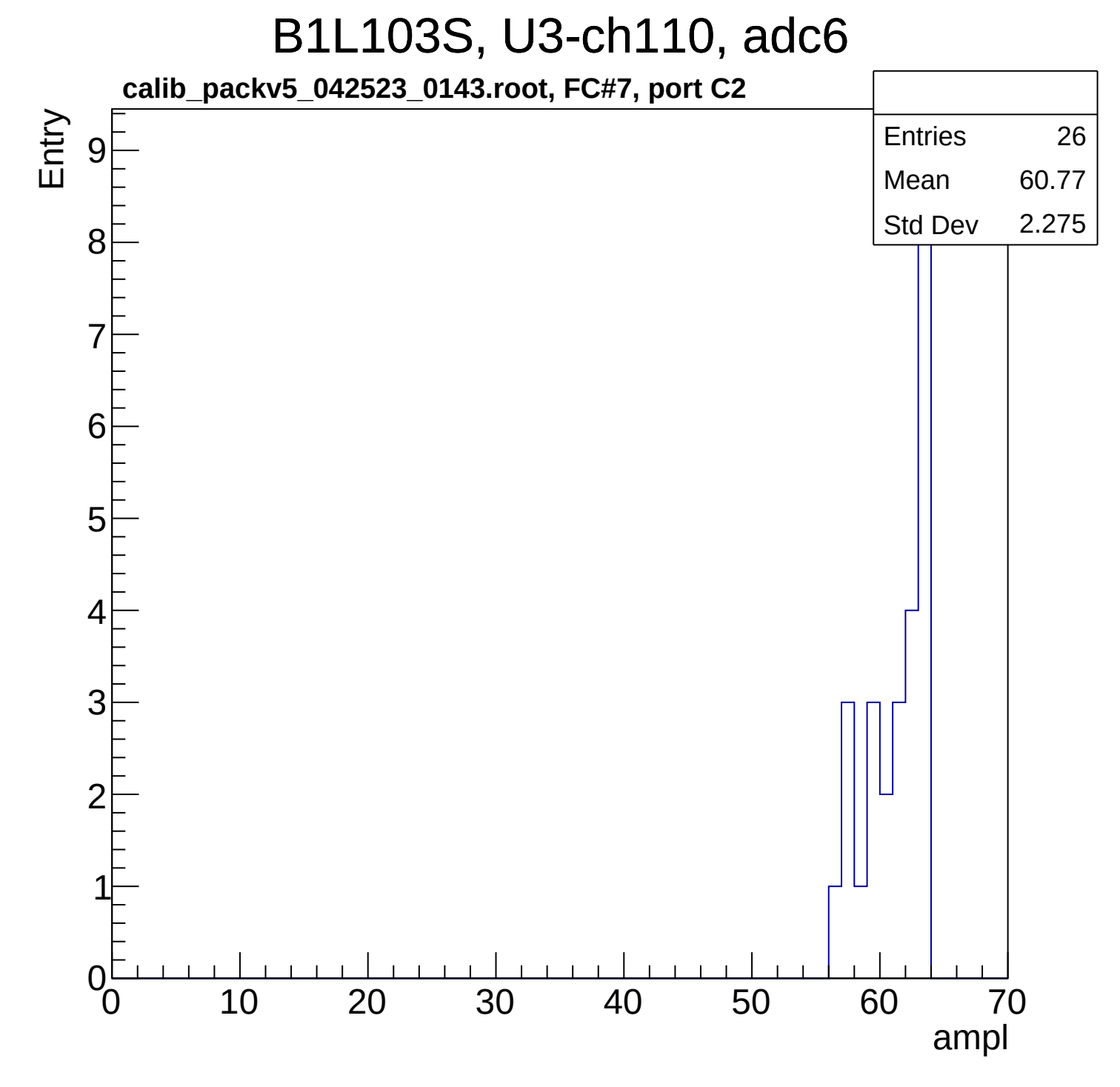
B1L103S, U3-ch110, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 26
Mean 60.77
Std Dev 2.275
Entry
ampl
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3
4
5
6
7
8
9
0
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20
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40
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60
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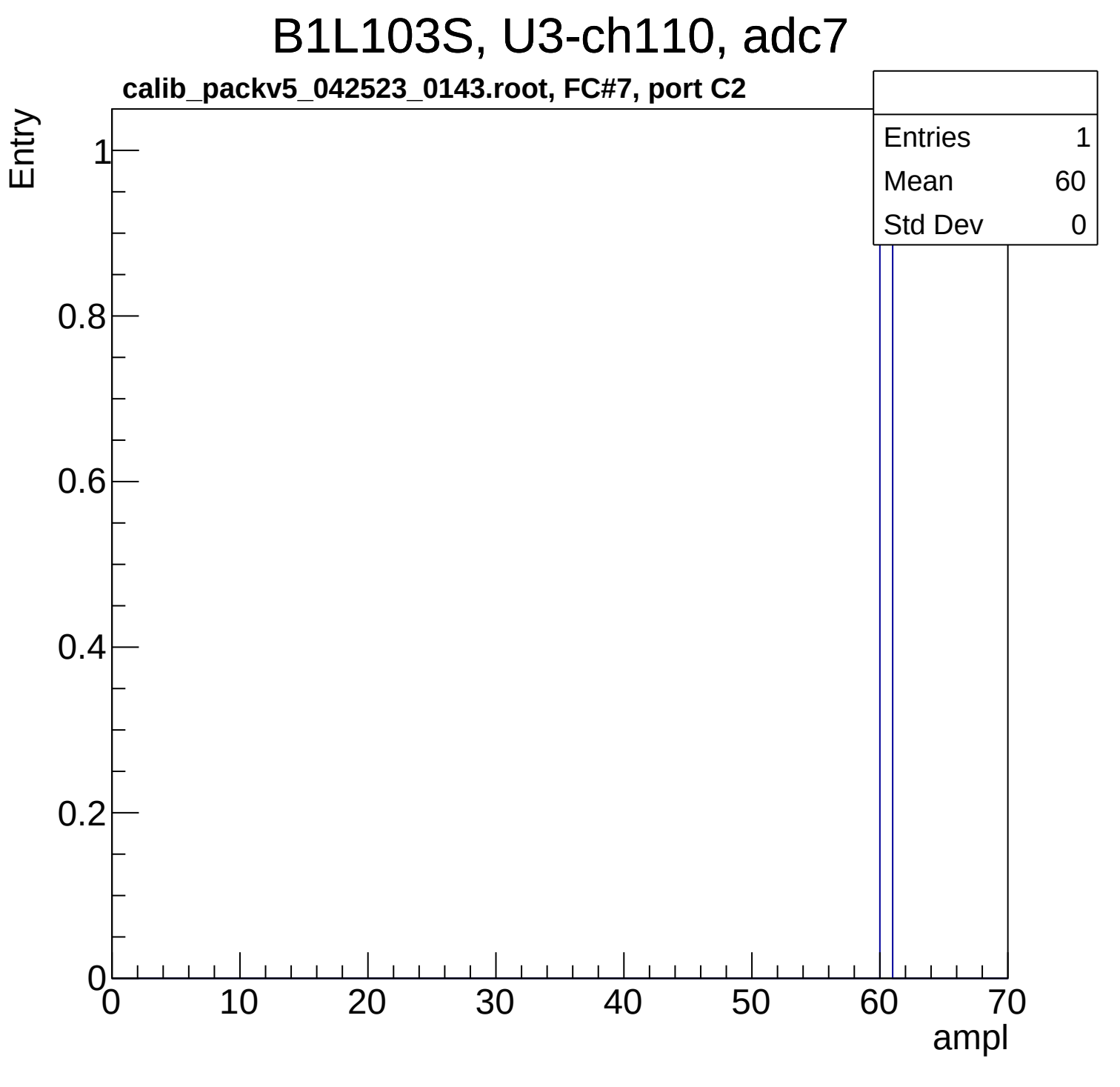
B1L103S, U3-ch110, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 60
Std Dev 0
Entry
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0.6
0.4
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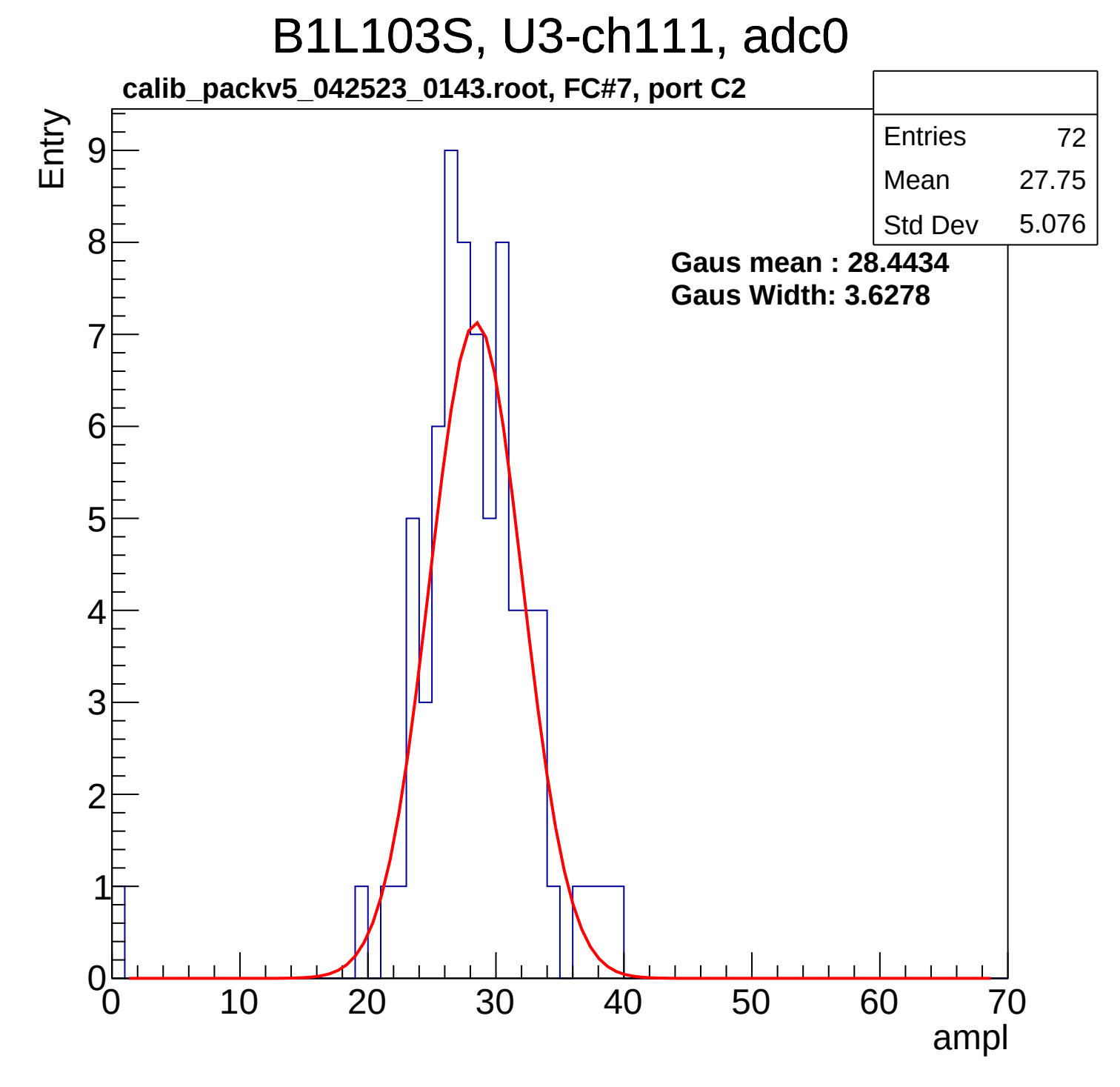
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch111, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 27.75
Std Dev 5.076
Gaus mean : 28.4434
Gaus Width: 3.6278
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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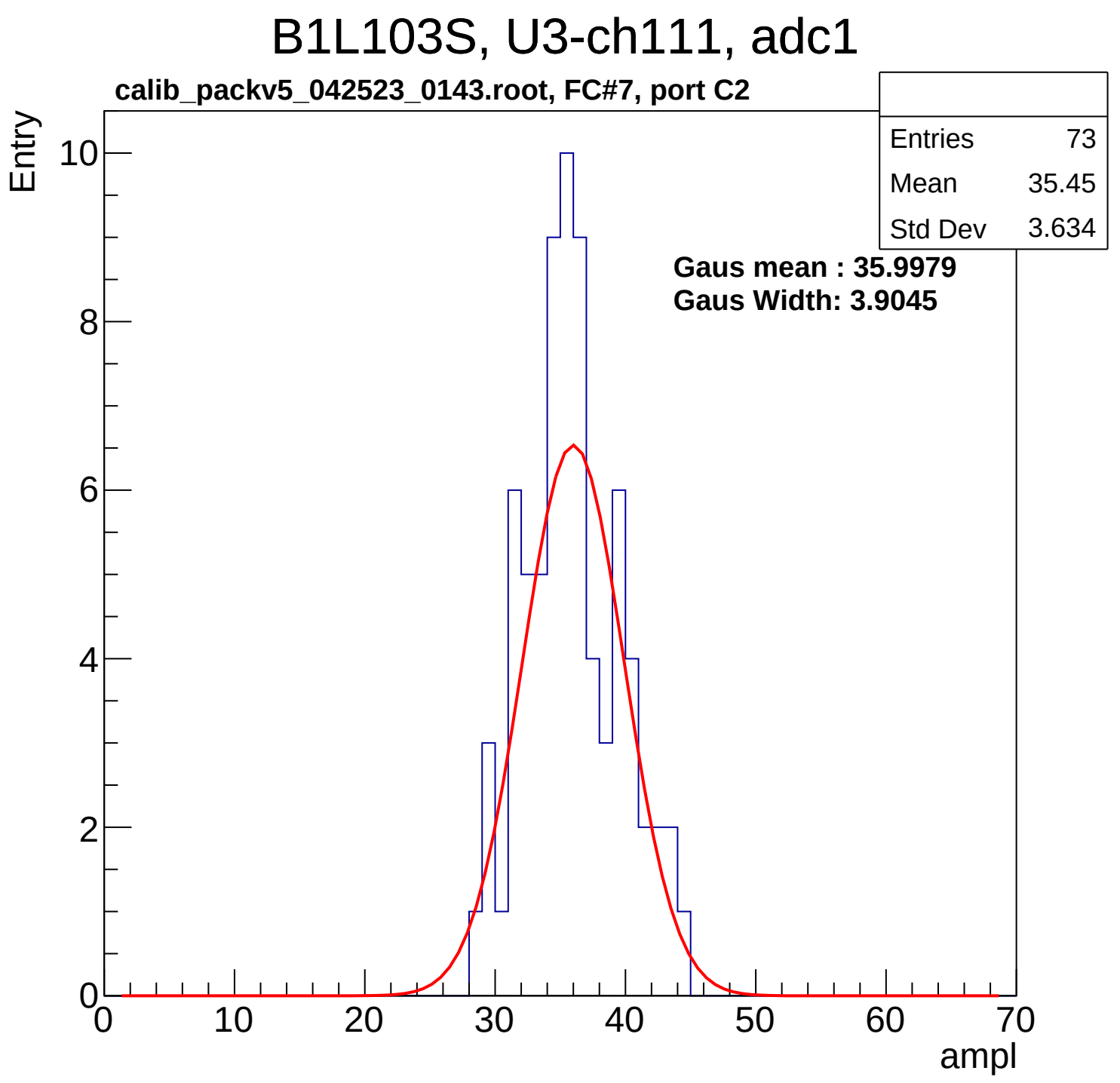
B1L103S, U3-ch111, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 35.45
Std Dev 3.634
Gaus mean : 35.9979
Gaus Width: 3.9045
Entry
ampl
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2
4
6
8
10
0
10
20
30
40
50
60
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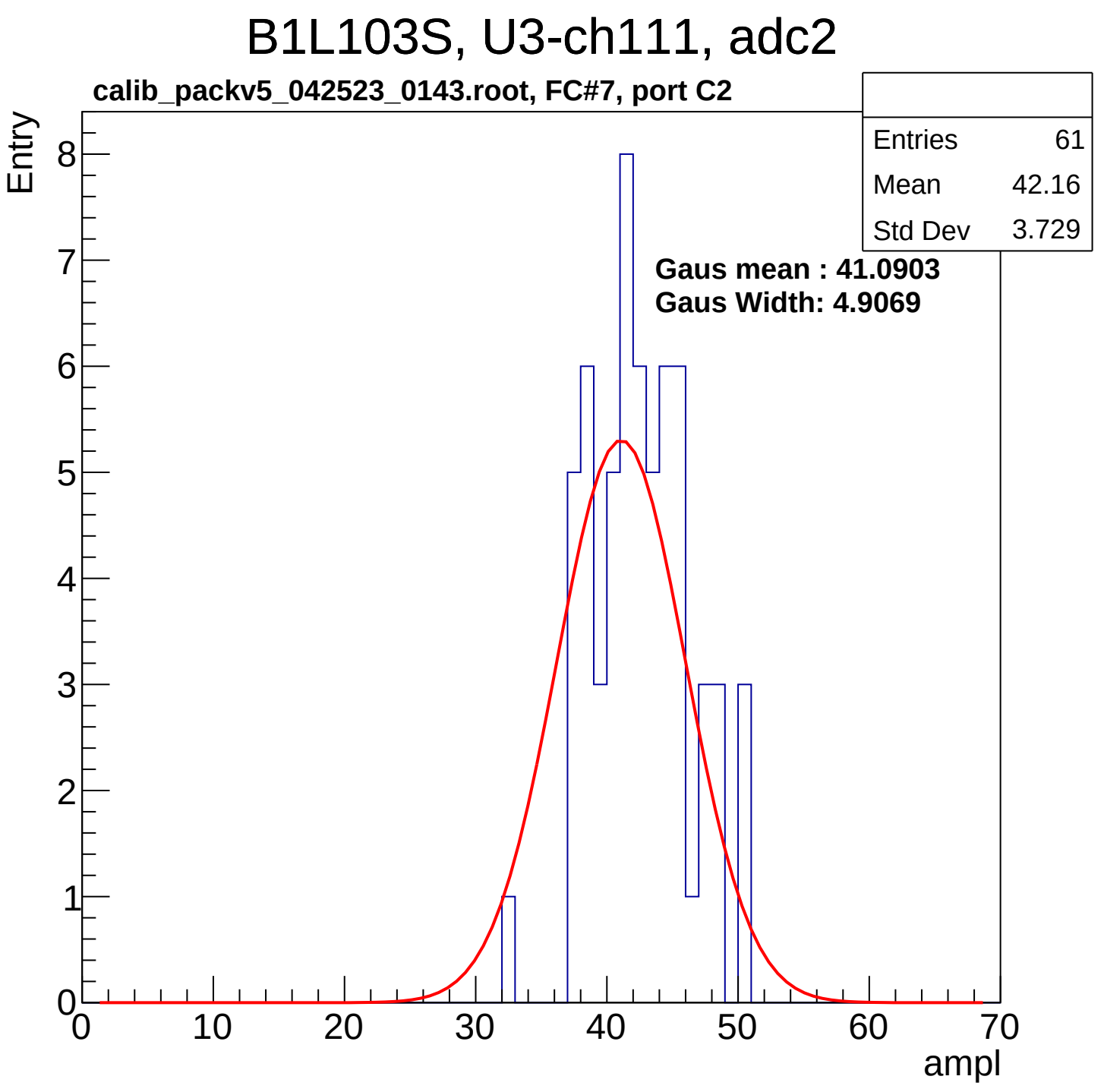
B1L103S, U3-ch111, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 42.16
Std Dev 3.729
Gaus mean : 41.0903
Gaus Width: 4.9069
Entry
ampl
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1
2
3
4
5
6
7
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0
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60
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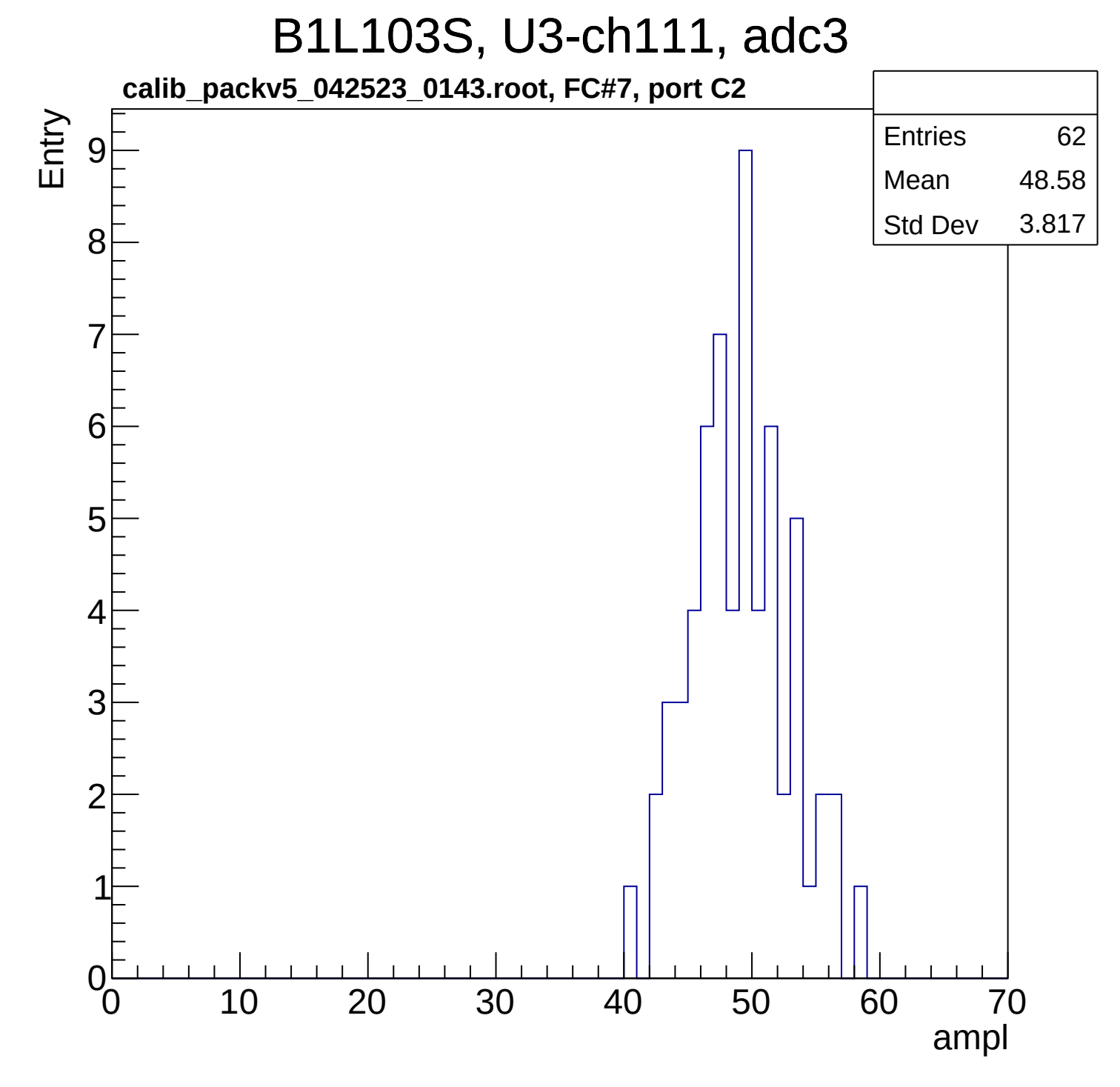
B1L103S, U3-ch111, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 48.58
Std Dev 3.817
Entry
ampl
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2
3
4
5
6
7
8
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0
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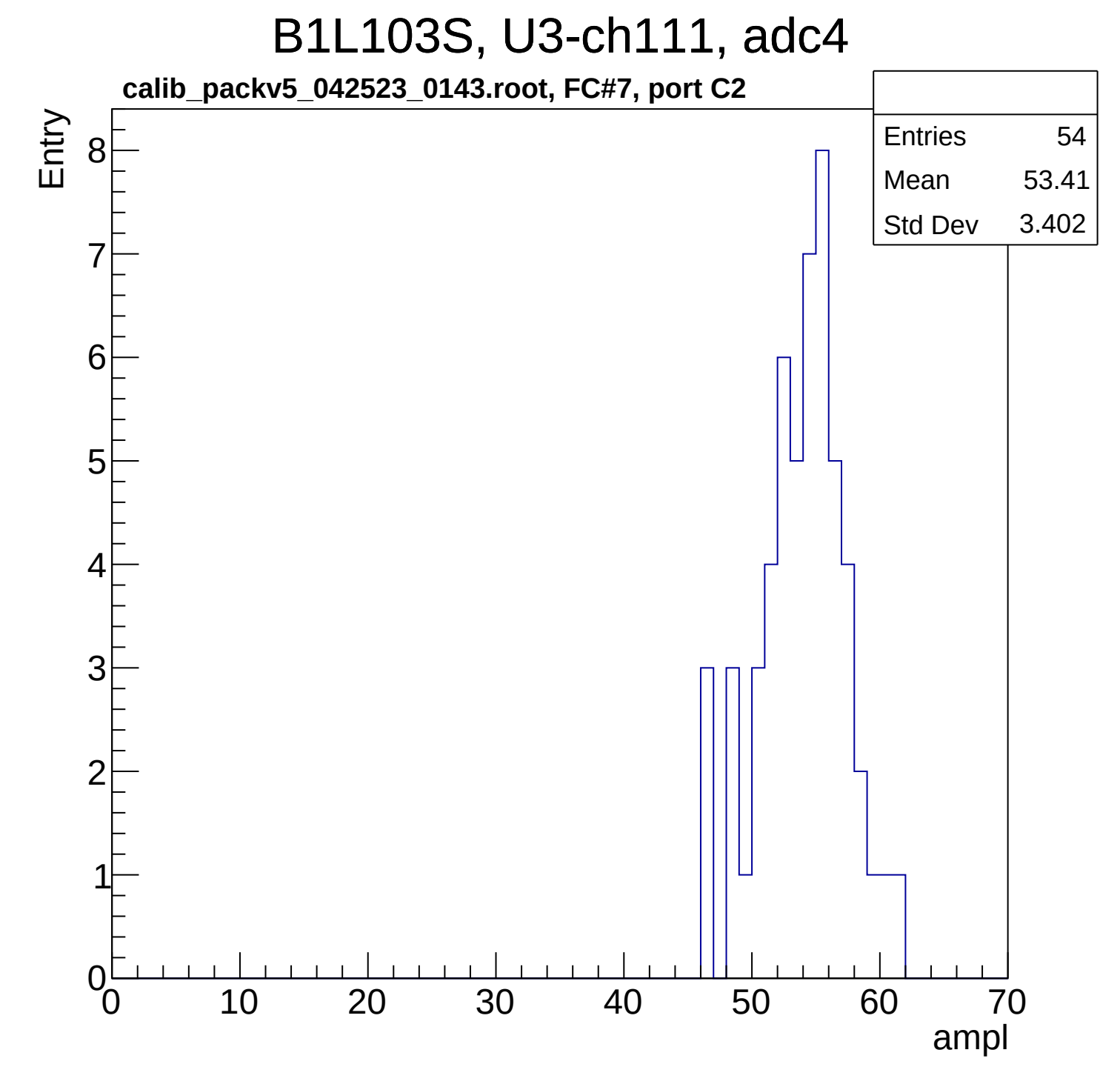
B1L103S, U3-ch111, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 53.41
Std Dev 3.402
Entry
ampl
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2
3
4
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6
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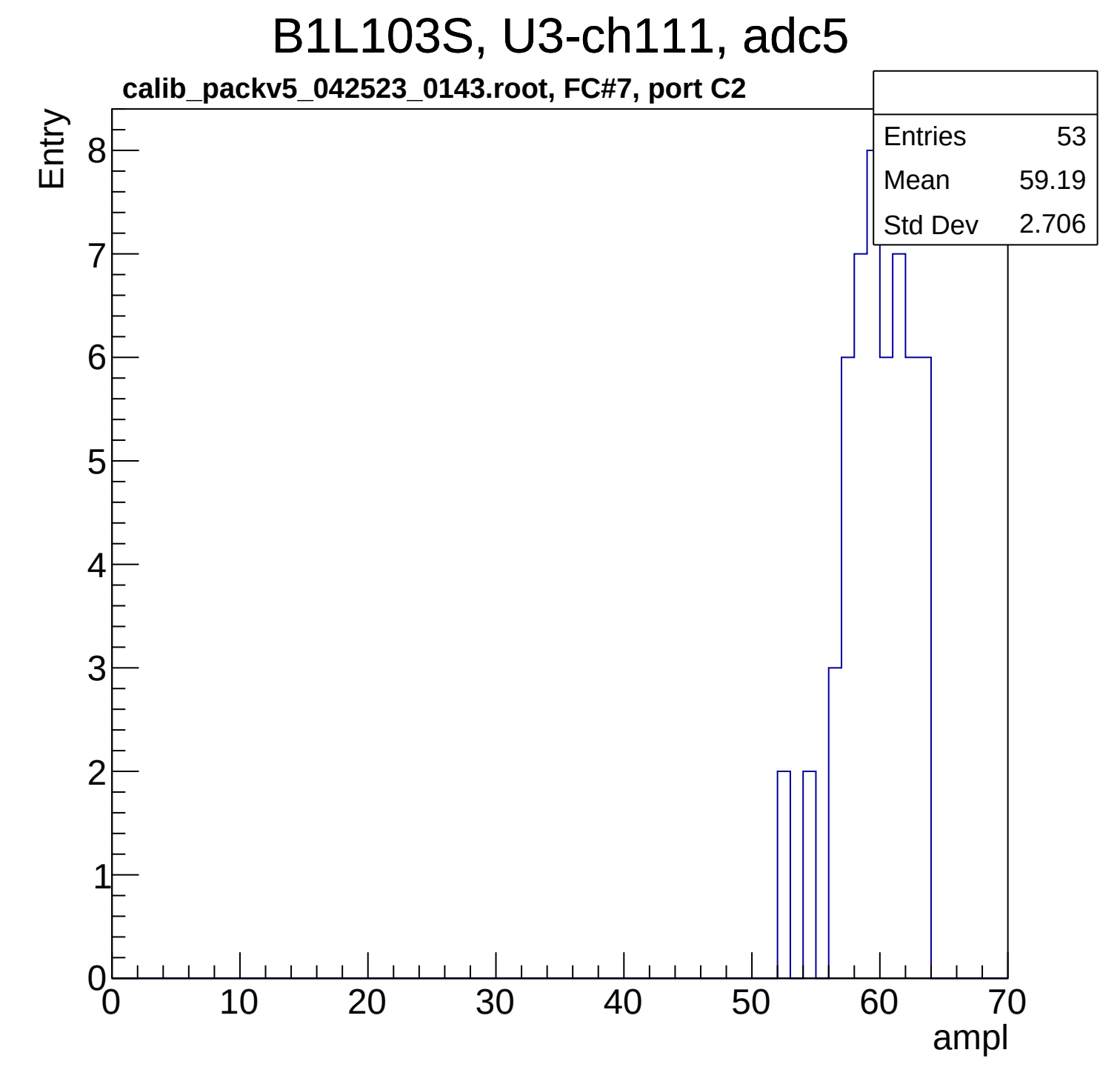
B1L103S, U3-ch111, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 59.19
Std Dev 2.706
Entry
ampl
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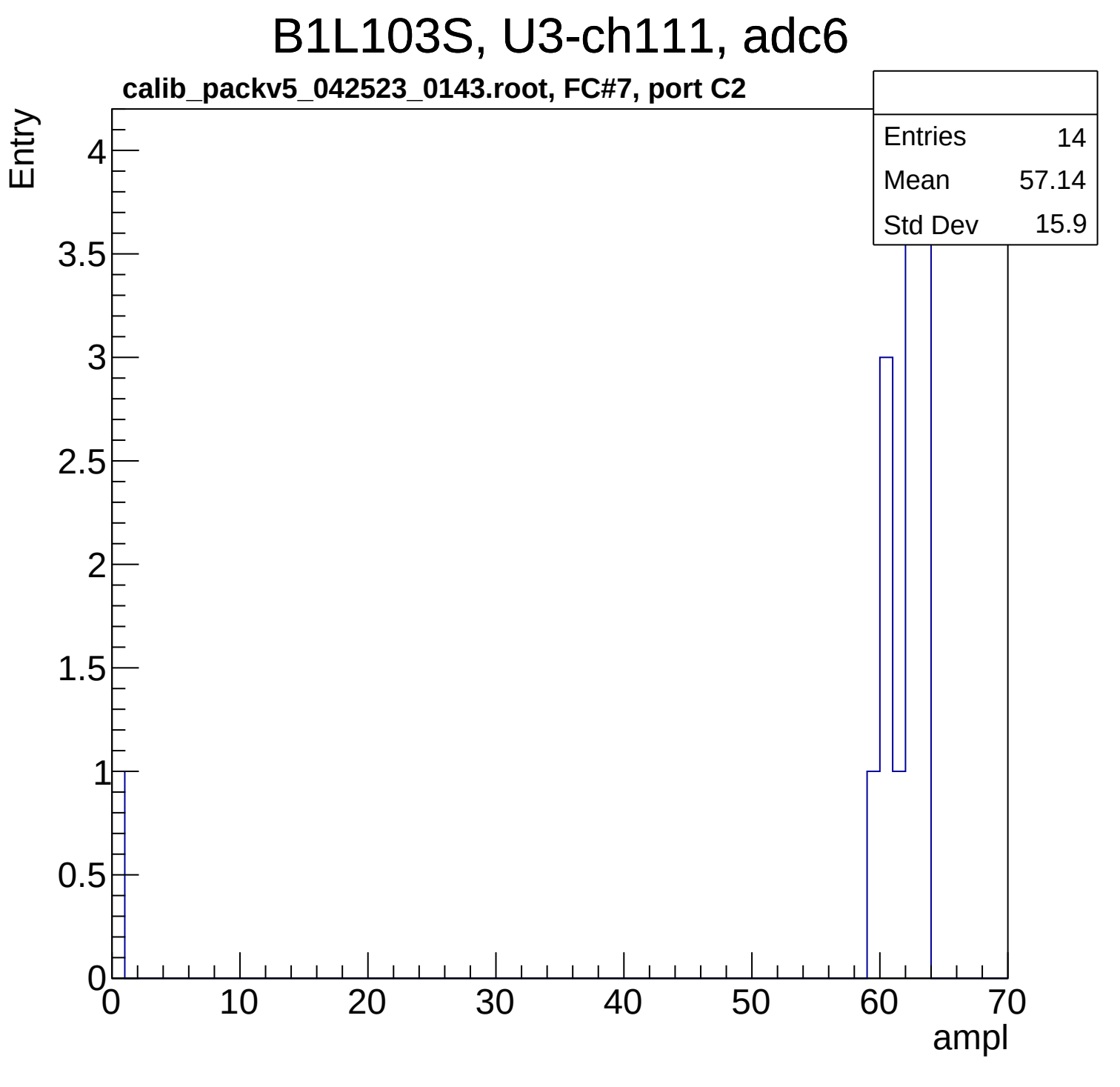
B1L103S, U3-ch111, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 57.14
Std Dev 15.9
Entry
ampl
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0.5
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1.5
2
2.5
3
3.5
4
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50
60
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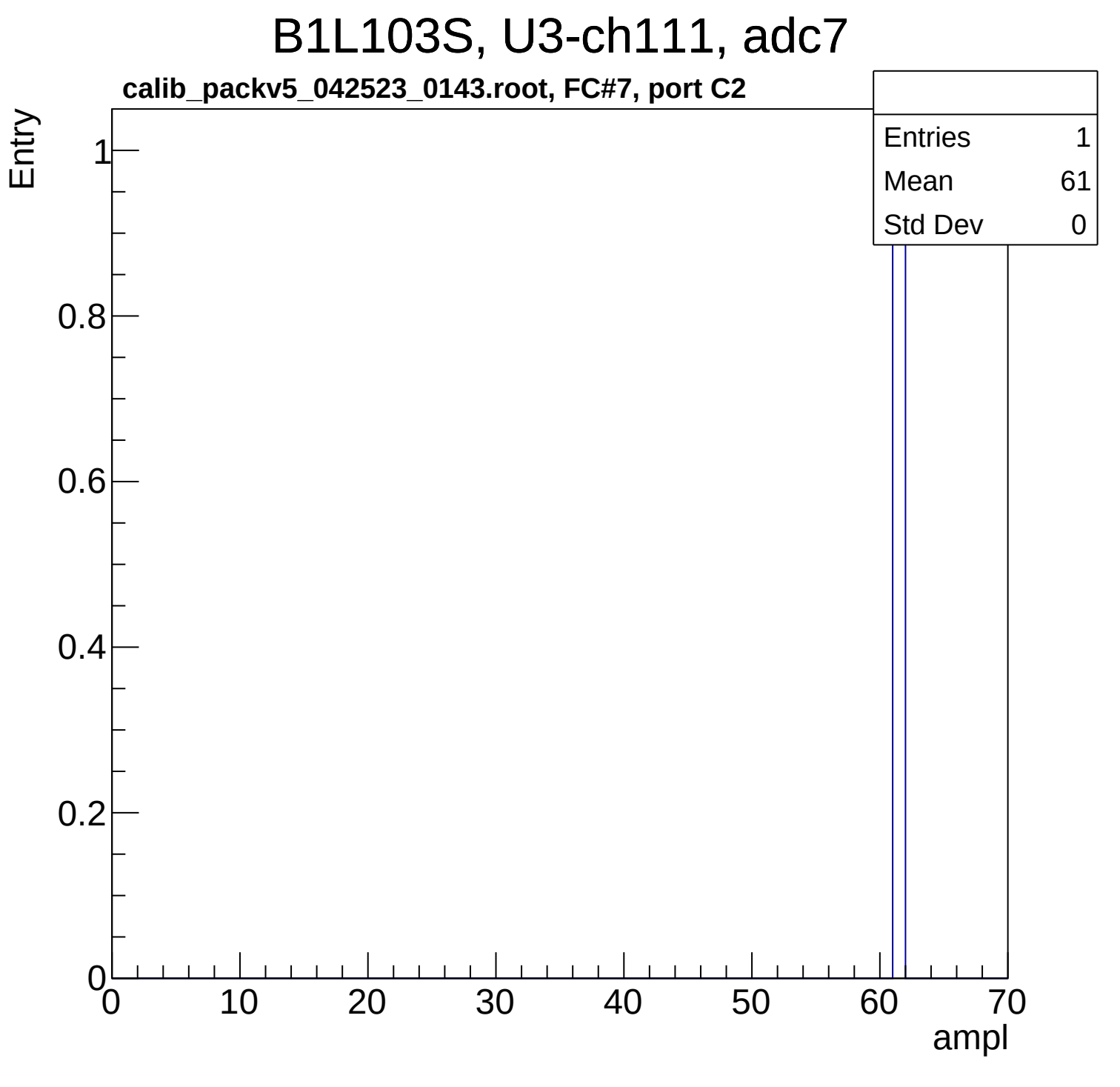
B1L103S, U3-ch111, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 61
Std Dev 0
Entry
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0.6
0.4
0.2
0
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10
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50
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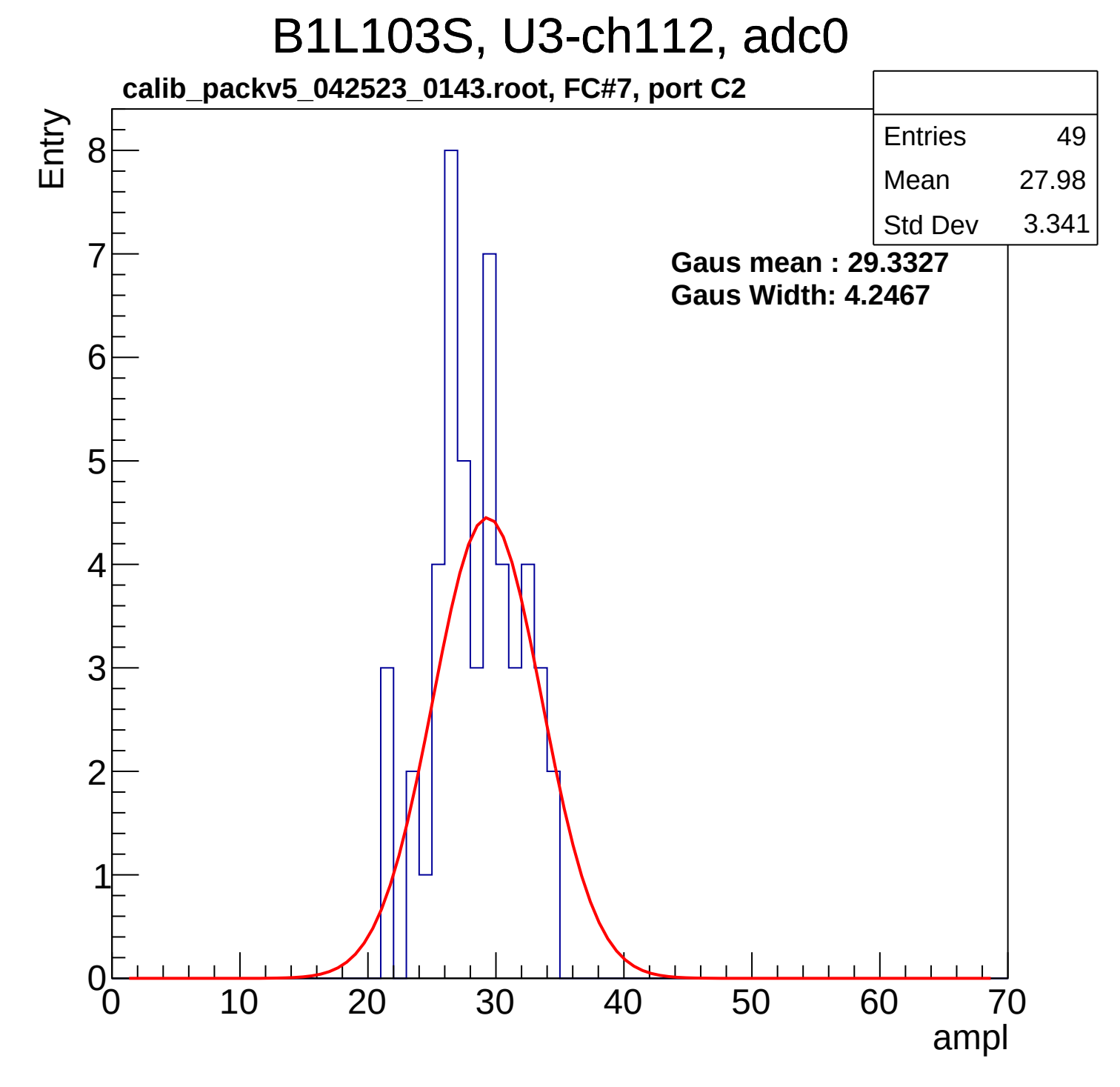
70
ampl


B1L103S, U3-ch112, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 49
Mean 27.98
Std Dev 3.341
Gaus mean : 29.3327
Gaus Width: 4.2467
Entry
ampl
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2
3
4
5
6
7
8
0
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20
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60
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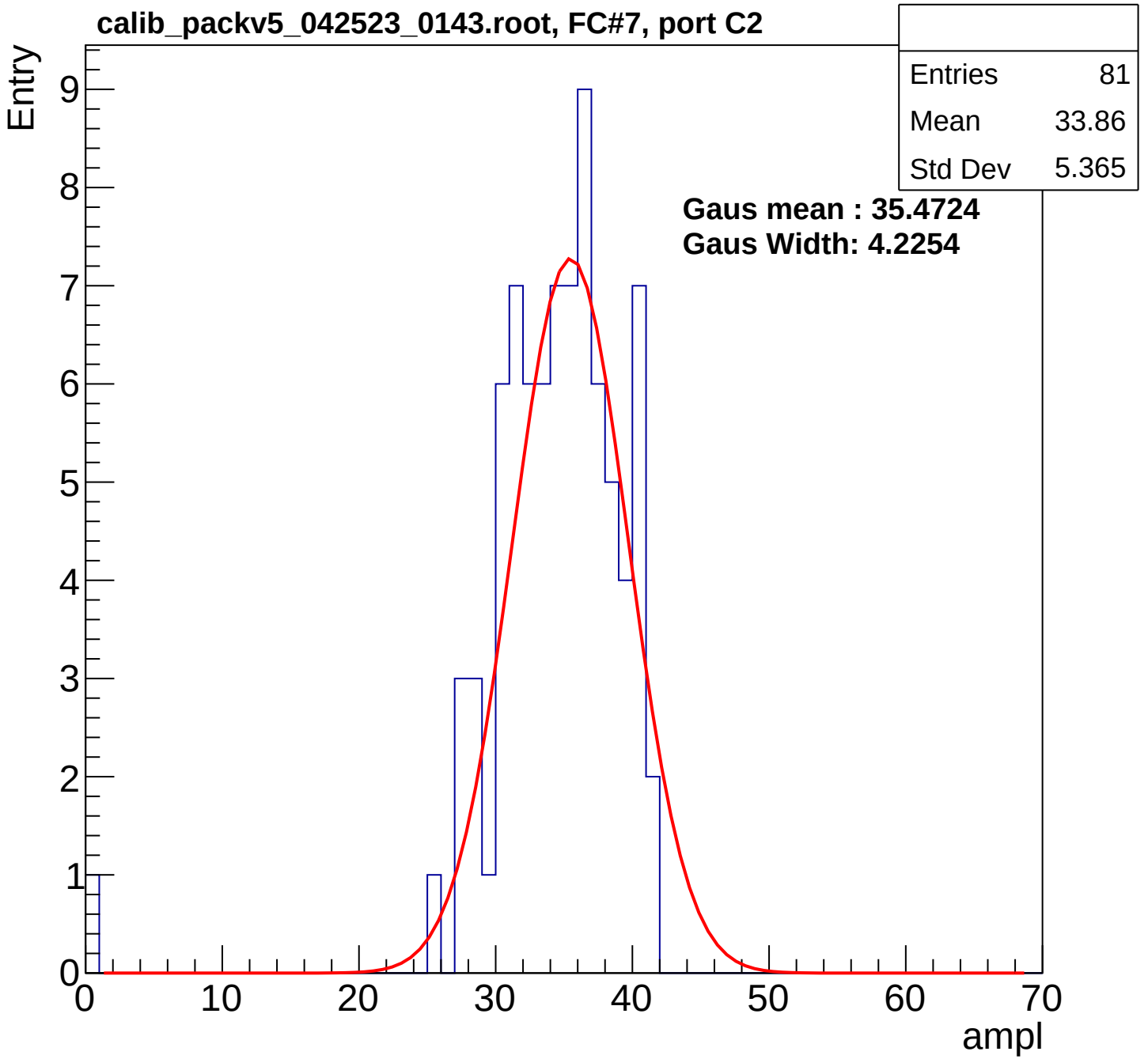
B1L103S, U3-ch112, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 33.86
Std Dev 5.365
Gaus mean : 35.4724
Gaus Width: 4.2254
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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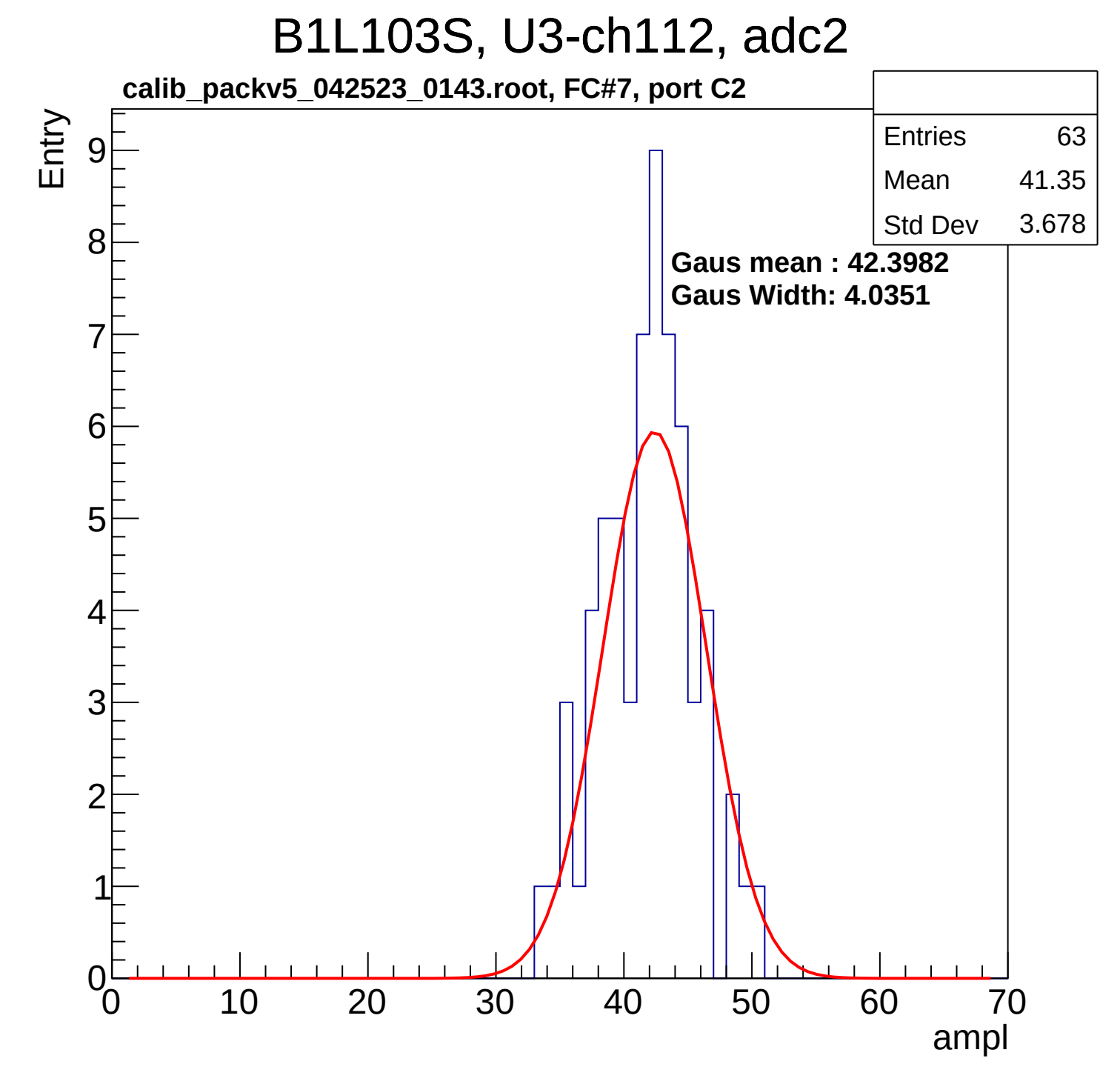
B1L103S, U3-ch112, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 41.35
Std Dev 3.678
Gaus mean : 42.3982
Gaus Width: 4.0351
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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40
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60
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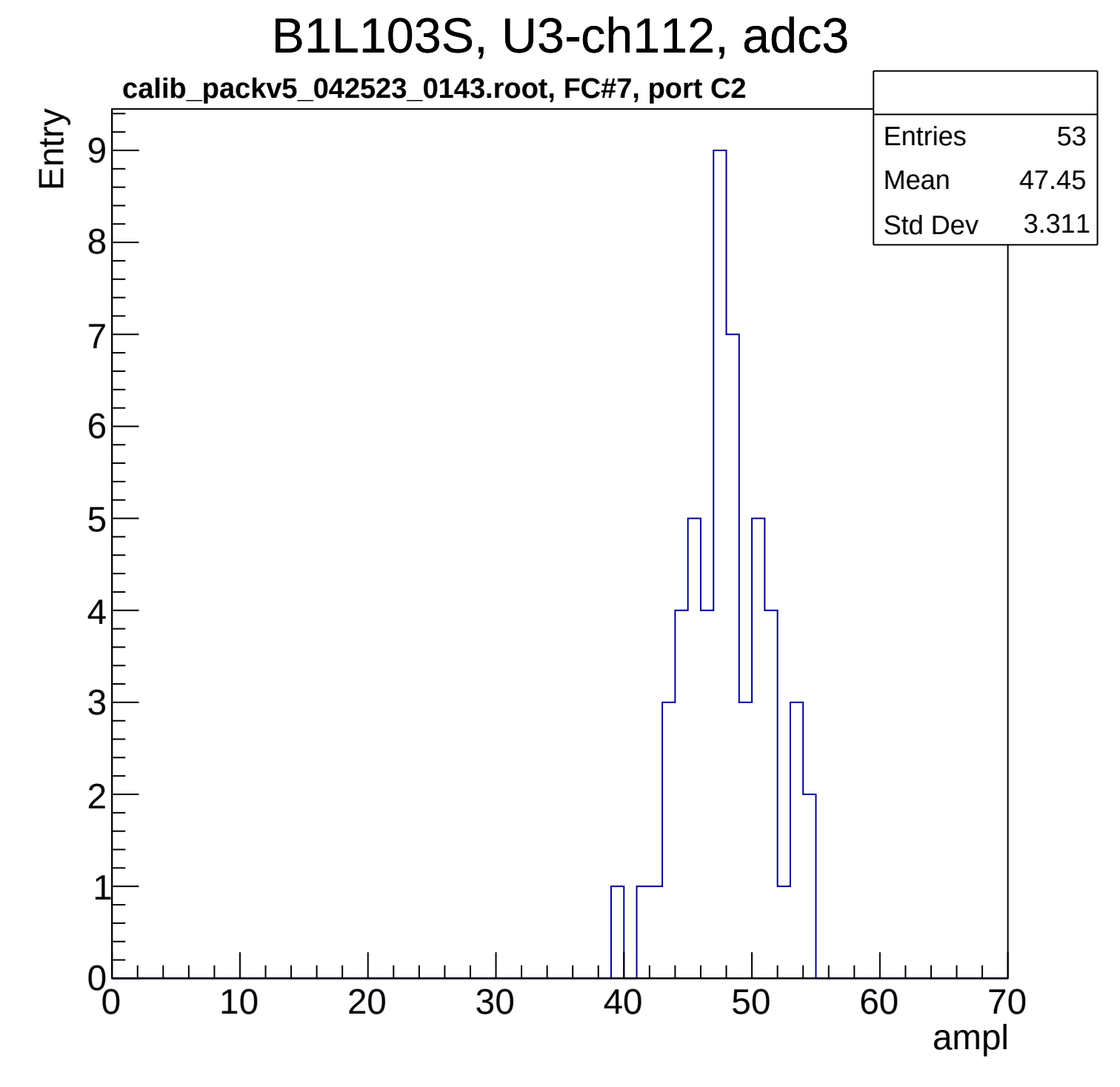
B1L103S, U3-ch112, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 47.45
Std Dev 3.311
Entry
ampl
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2
3
4
5
6
7
8
9
0
10
20
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40
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60
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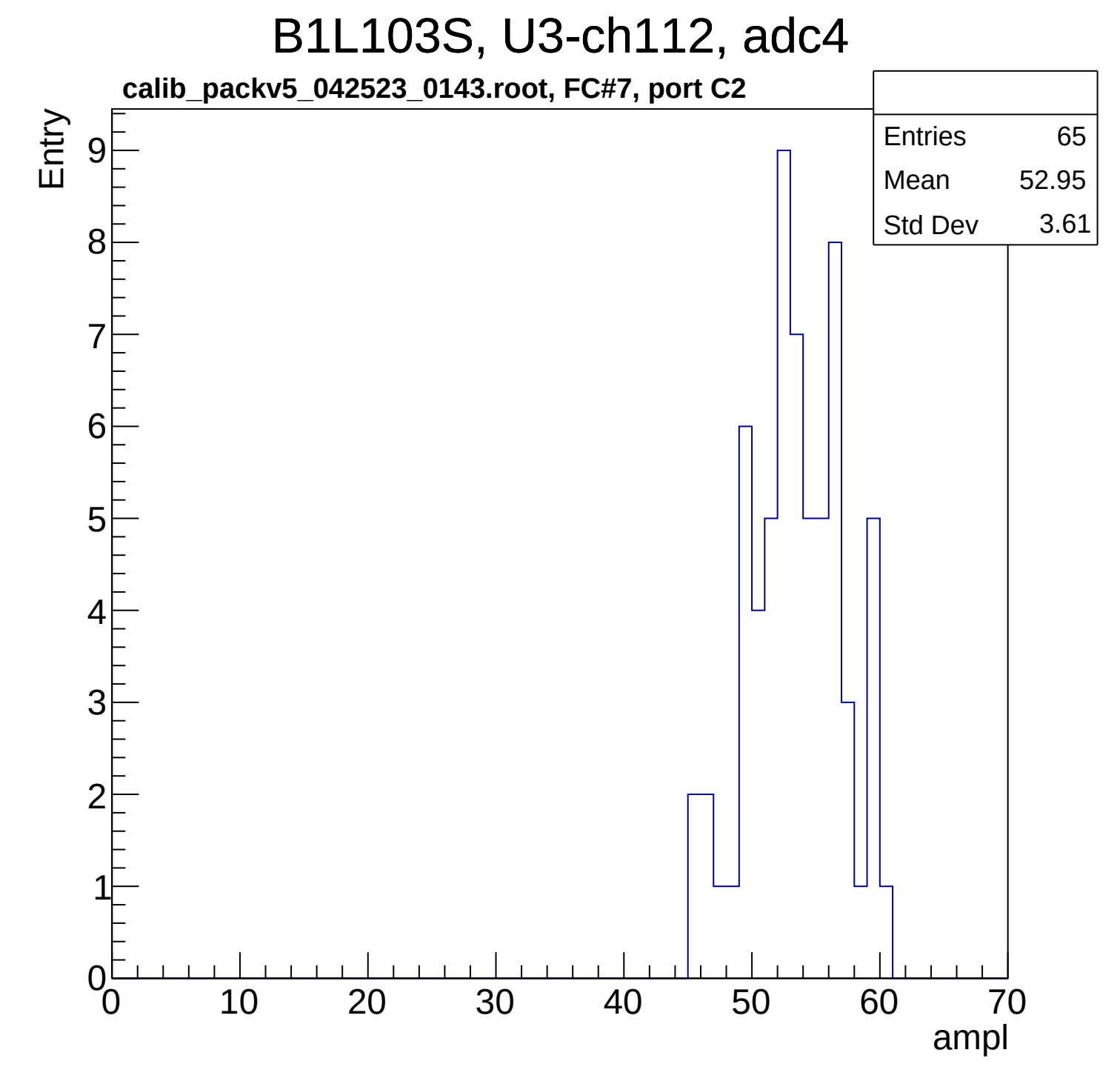
B1L103S, U3-ch112, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 52.95
Std Dev 3.61
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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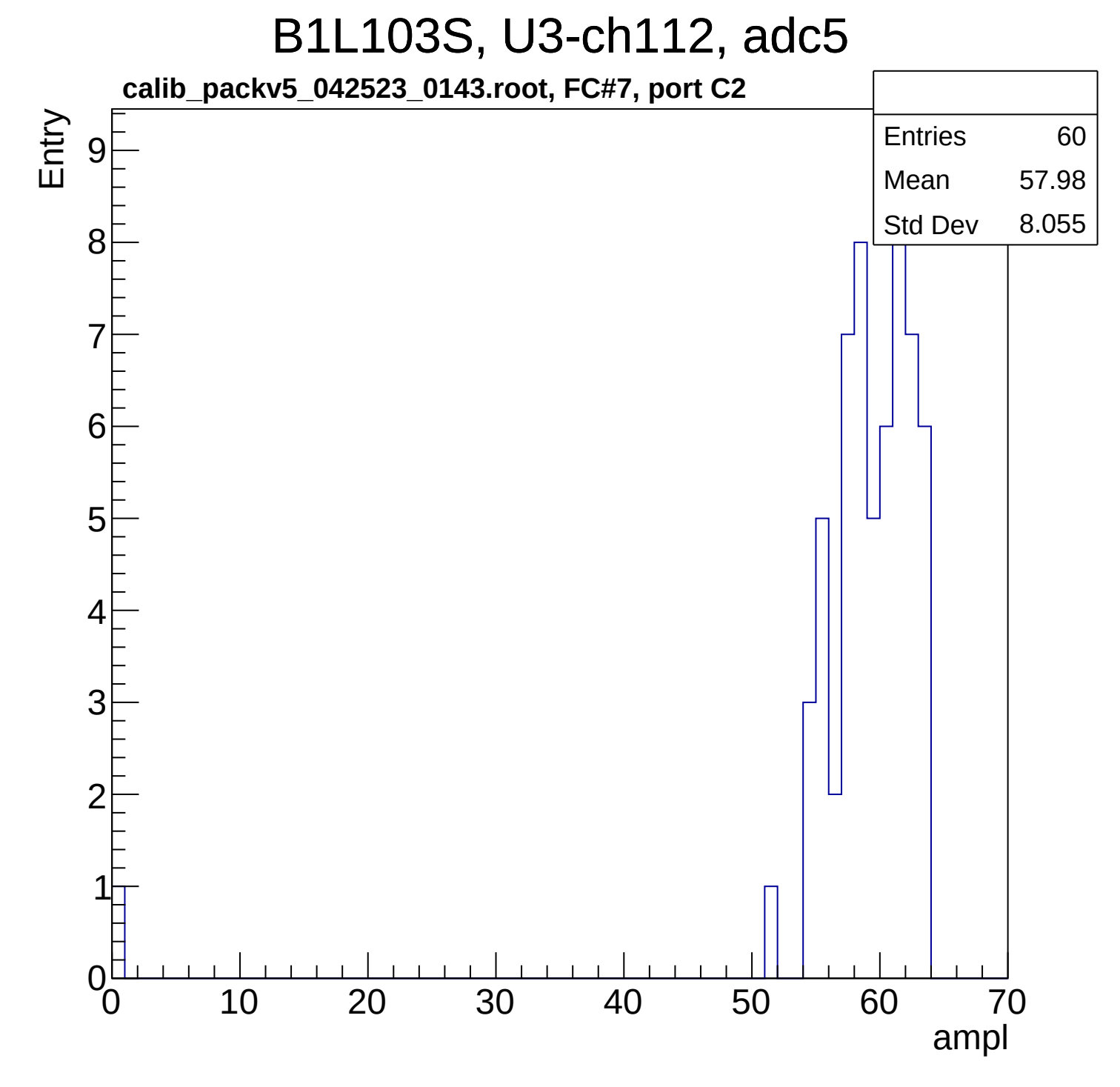
B1L103S, U3-ch112, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 57.98
Std Dev 8.055
Entry
ampl
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2
3
4
5
6
7
8
9
0
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20
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60
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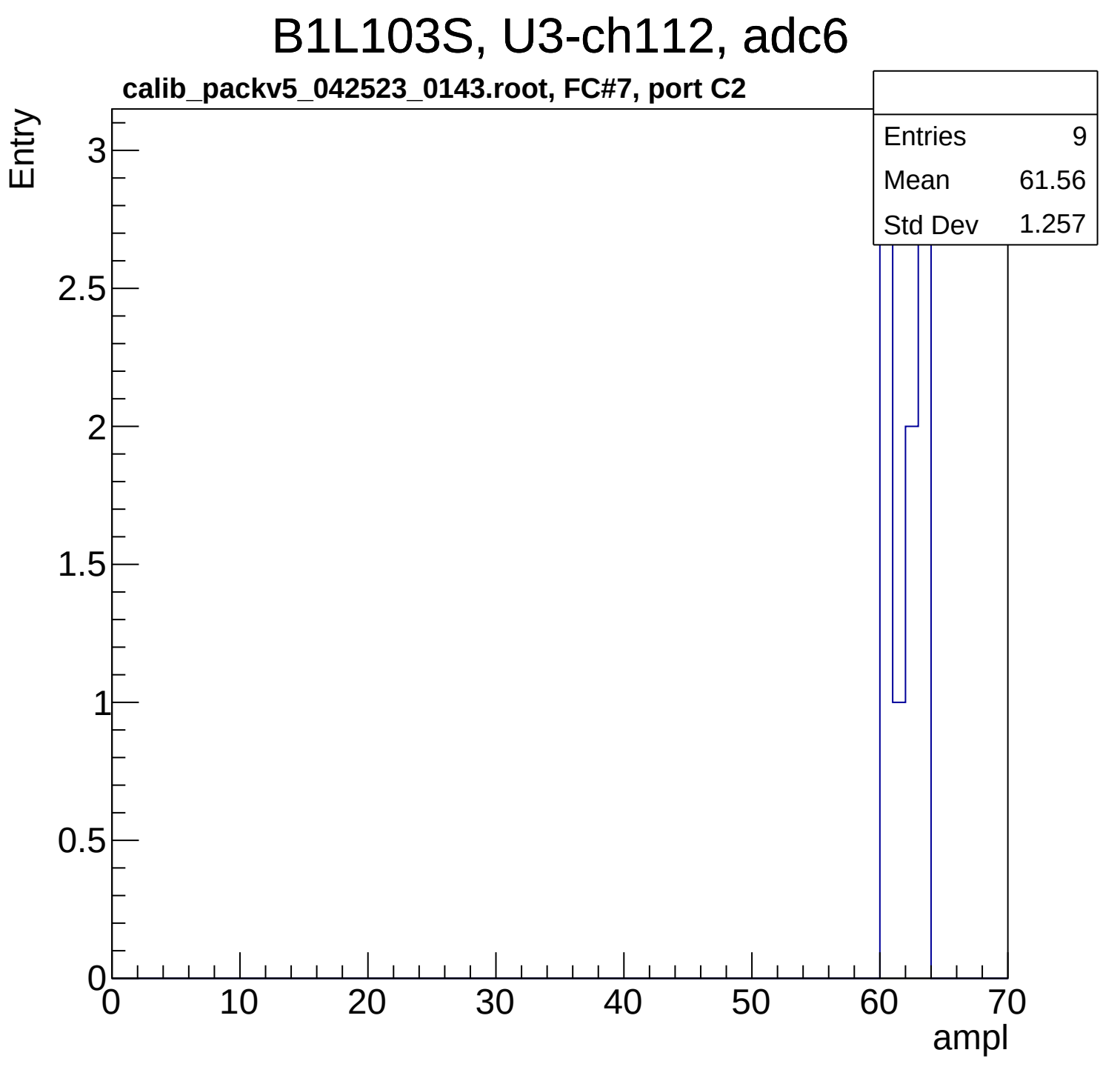
B1L103S, U3-ch112, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 61.56
Std Dev 1.257
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
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20
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60
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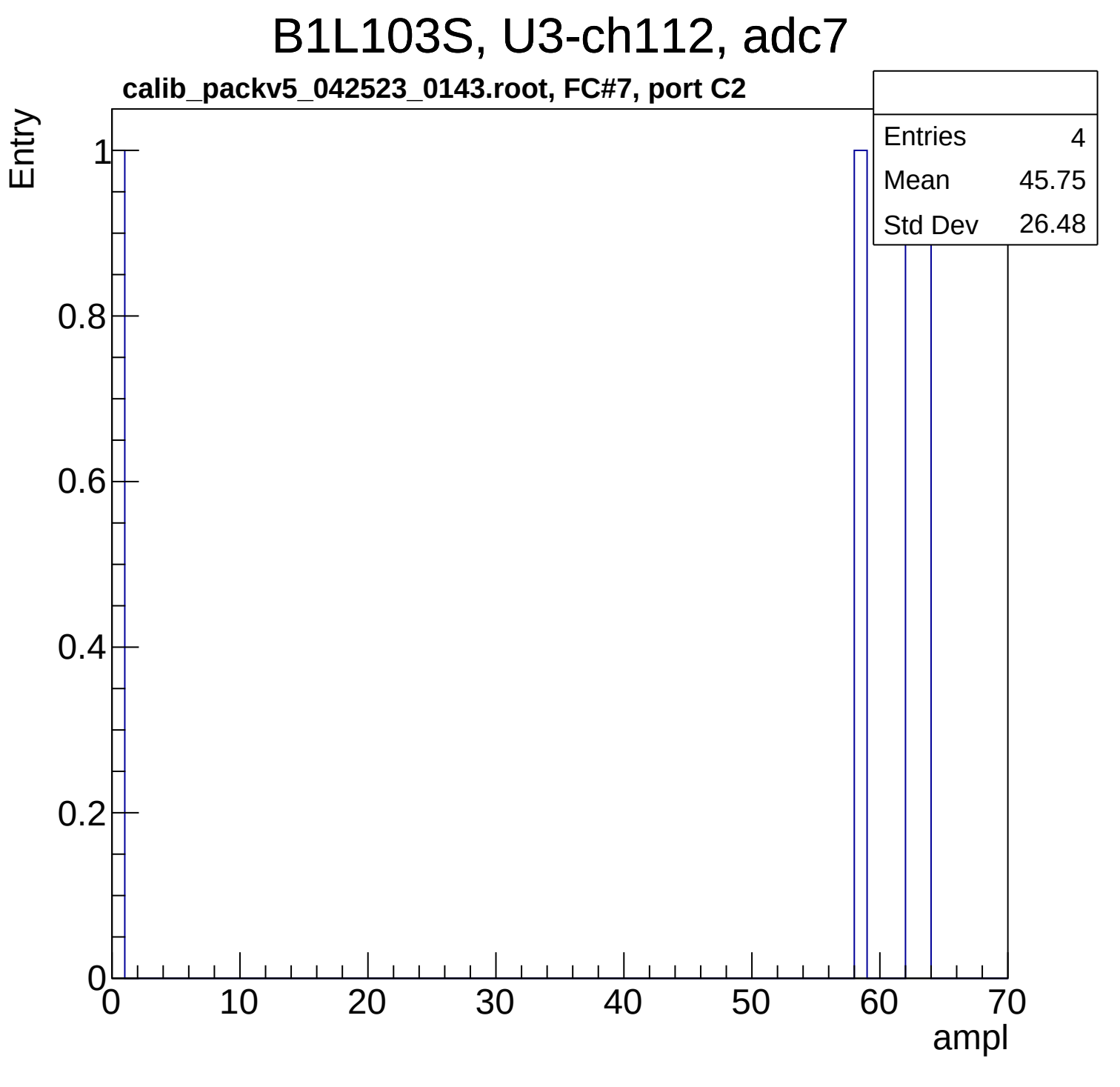
B1L103S, U3-ch112, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 45.75
Std Dev 26.48
Entry
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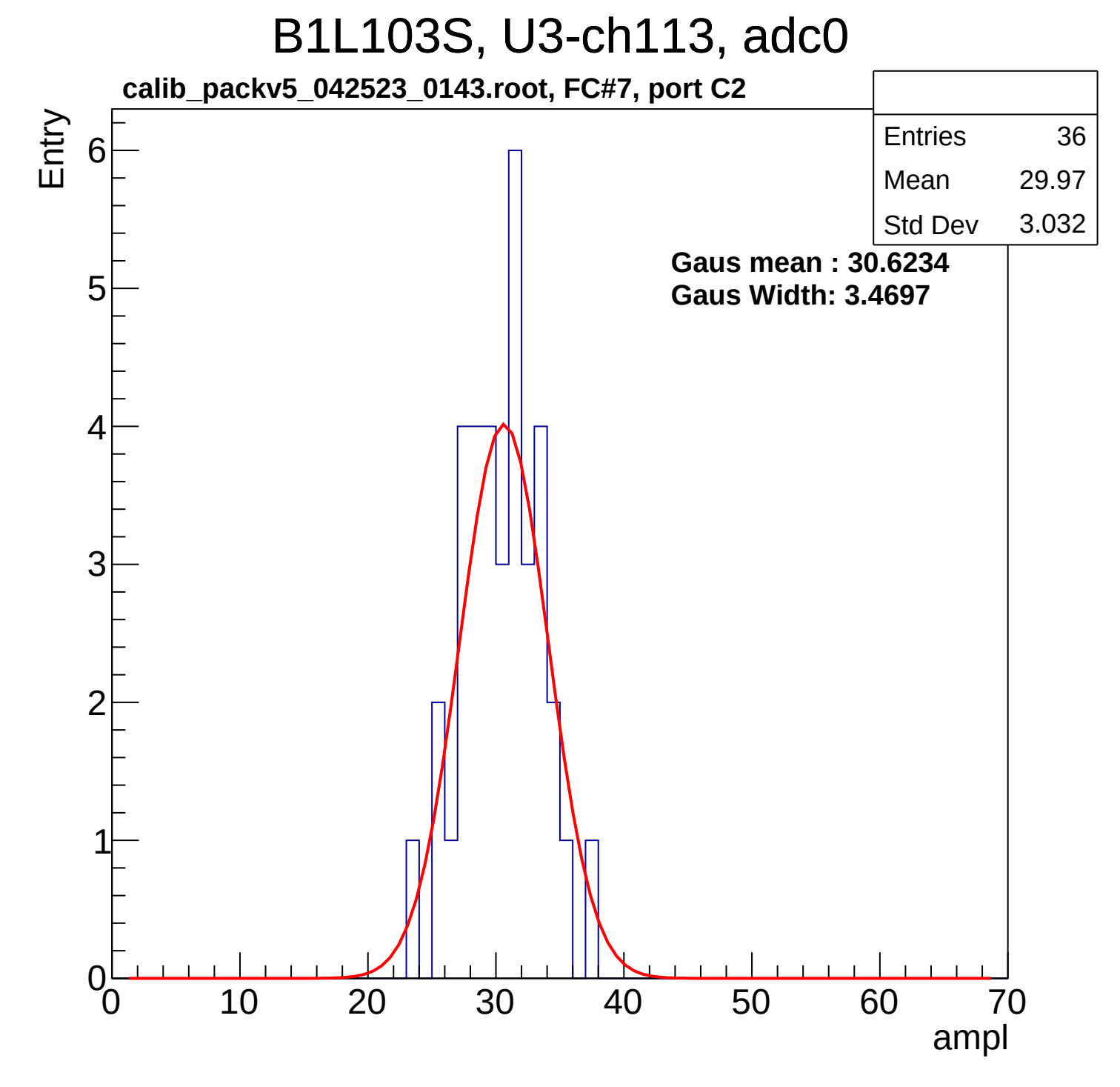
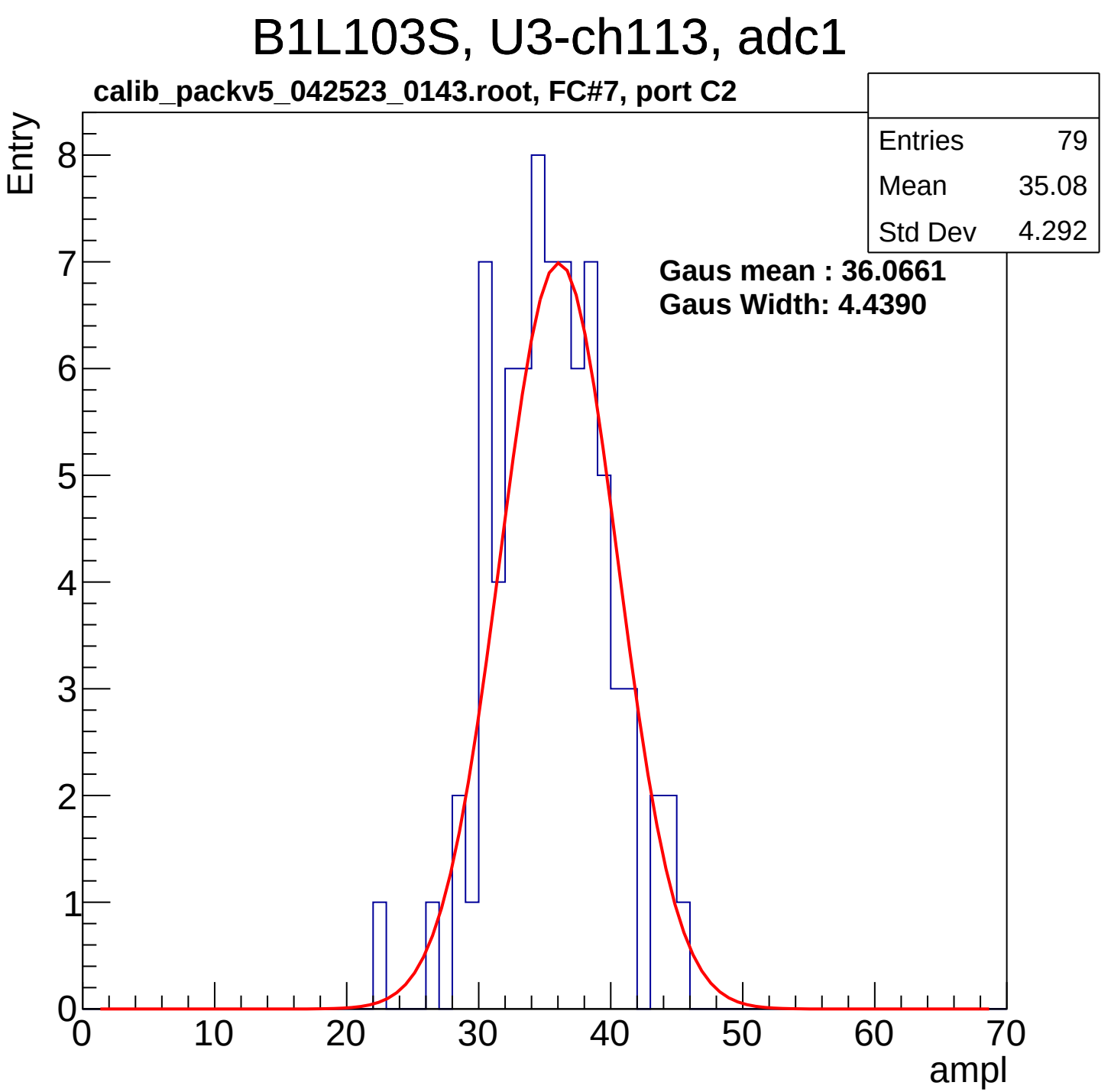
0.2
0.4
0.6
0.8
1
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch113, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 36
Mean 29.97
Std Dev 3.032
Gaus mean : 30.6234
Gaus Width: 3.4697
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70


B1L103S, U3-ch113, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 79
Mean 35.08
Std Dev 4.292
Gaus mean : 36.0661
Gaus Width: 4.4390
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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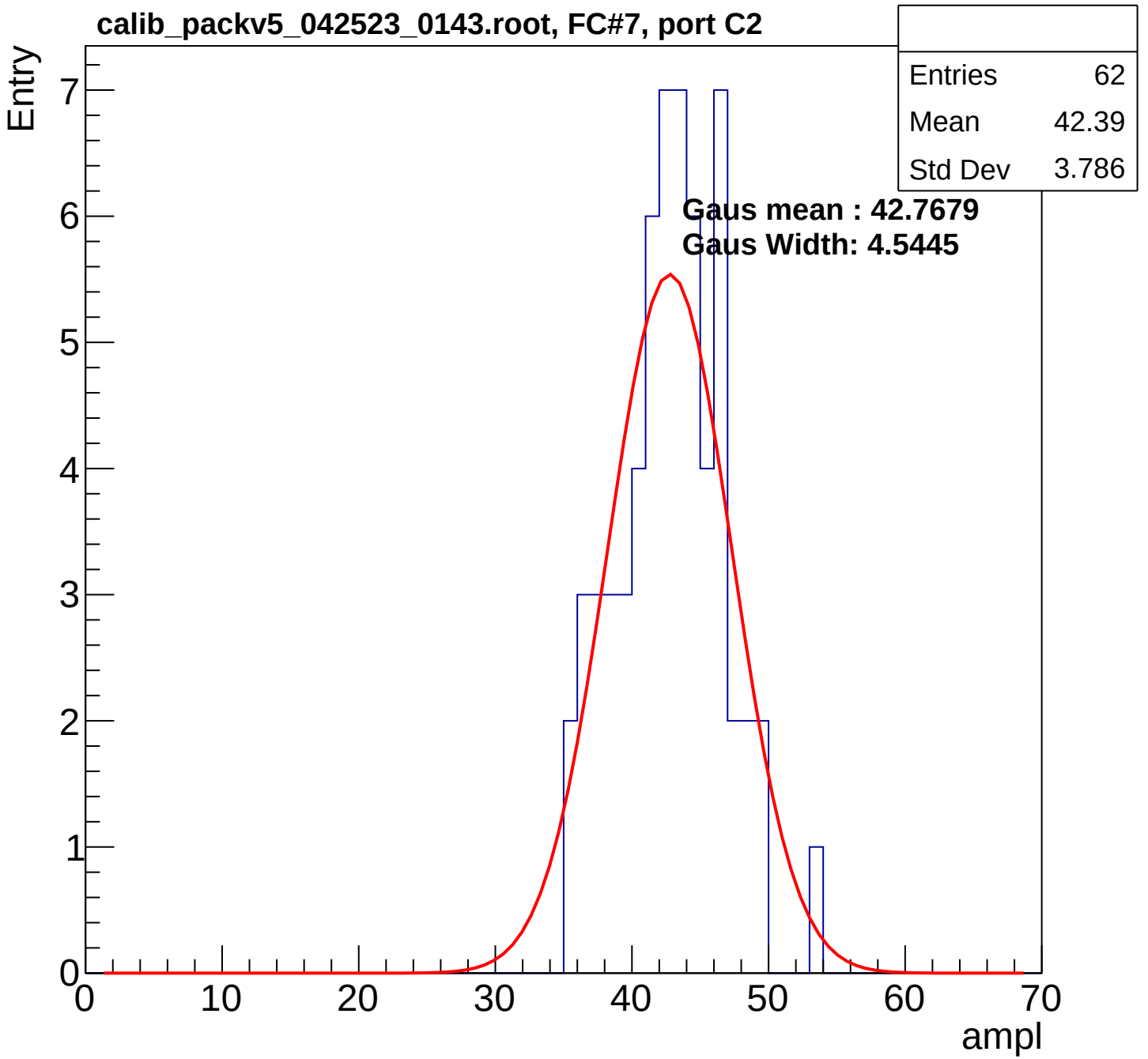
B1L103S, U3-ch113, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 42.39
Std Dev 3.786
Gaus mean : 42.7679
Gaus Width: 4.5445
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
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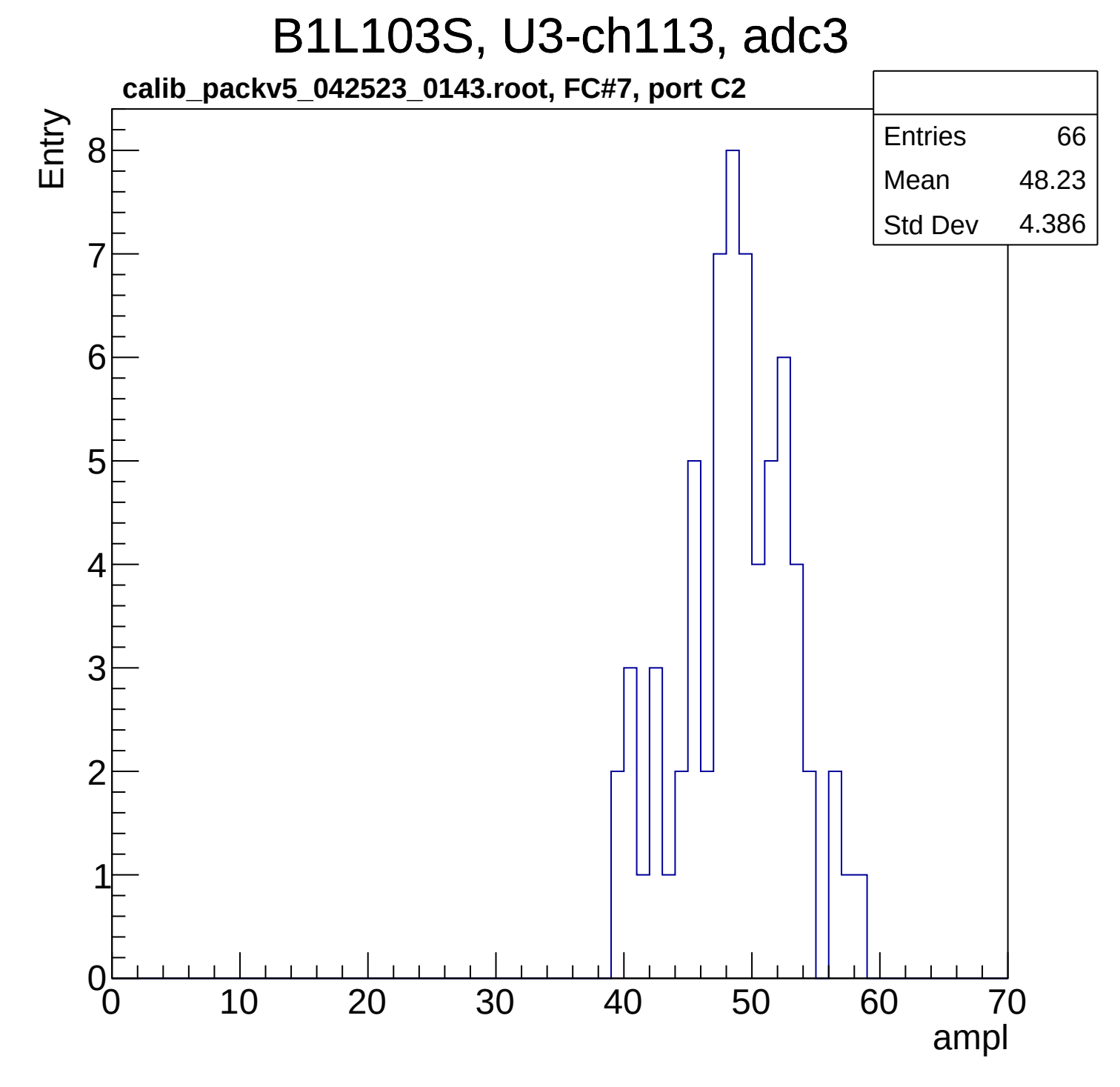
B1L103S, U3-ch113, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 48.23
Std Dev 4.386
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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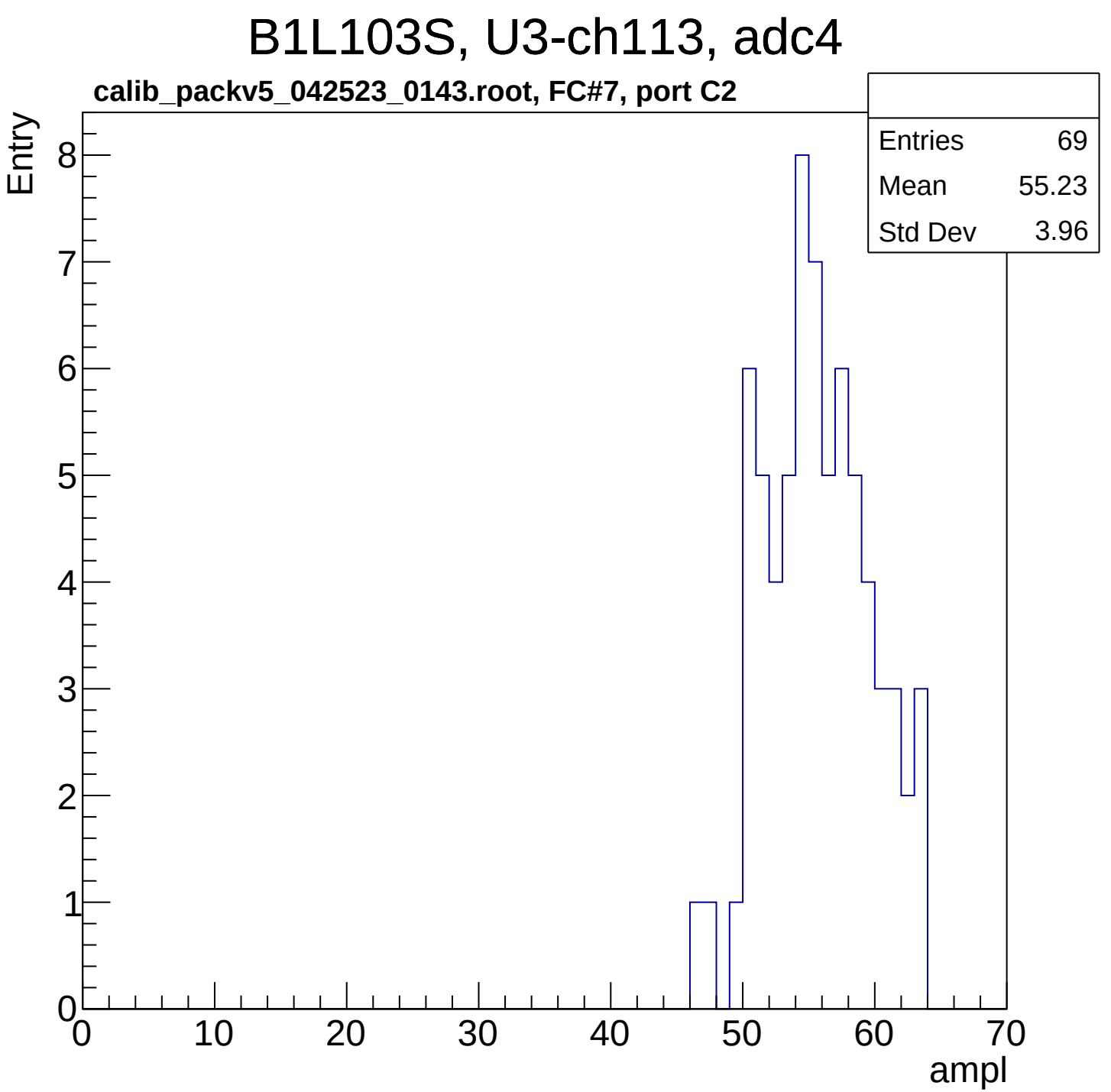
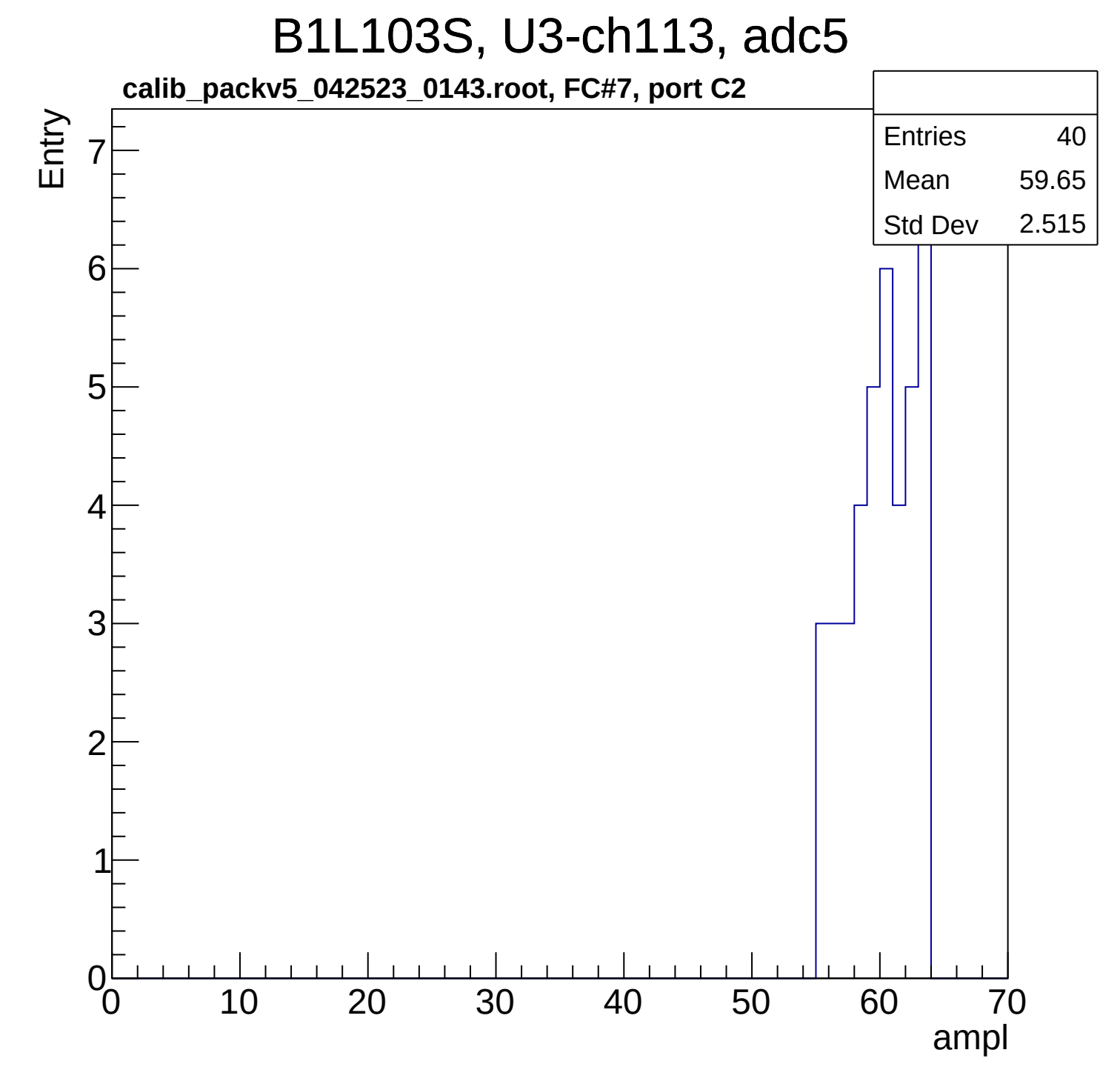
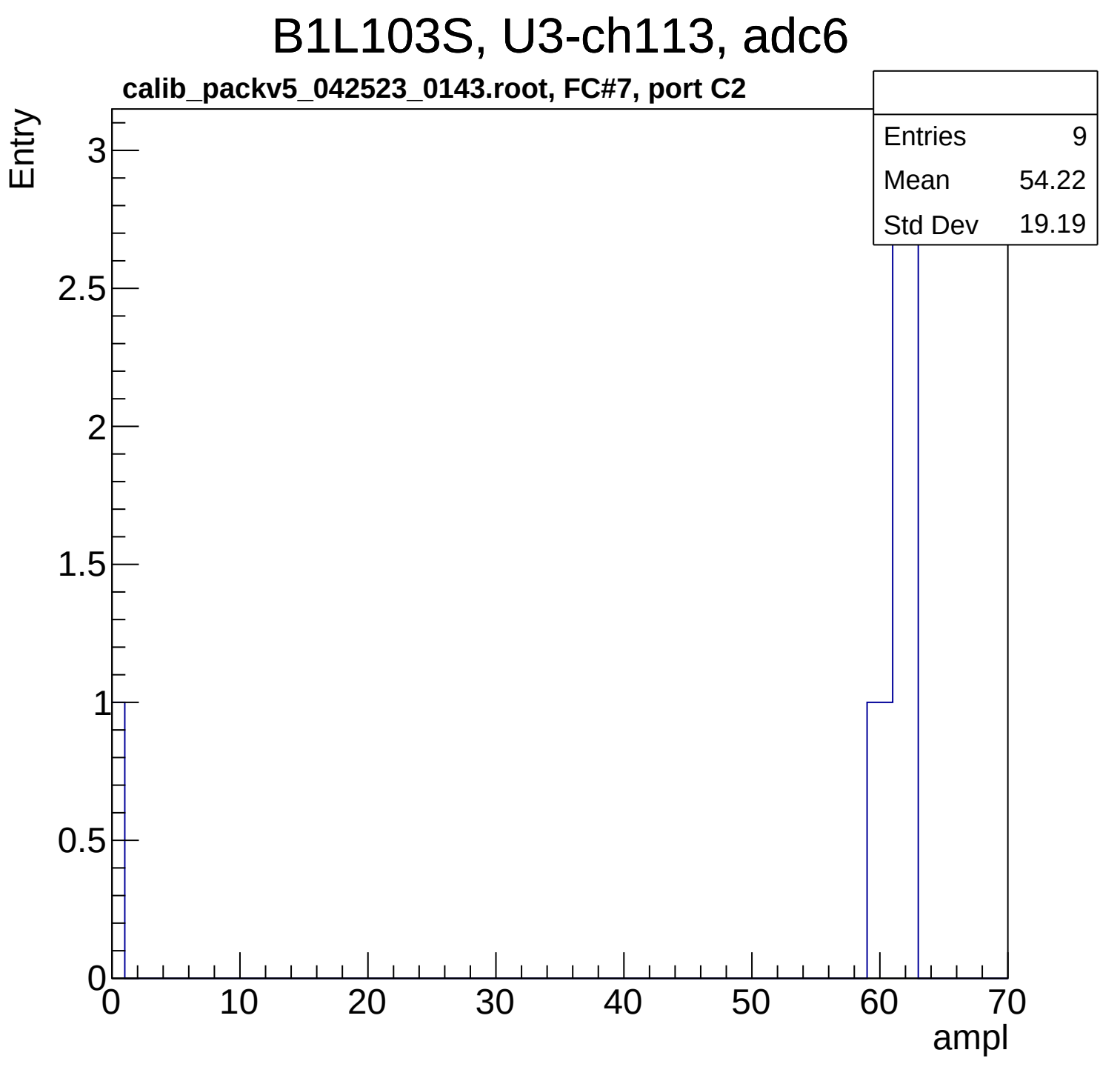

B1L103S, U3-ch113, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 55.23
Std Dev 3.96
Entry
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch113, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 40
Mean 59.65
Std Dev 2.515
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch113, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 9
Mean 54.22
Std Dev 19.19
Entry
ampl
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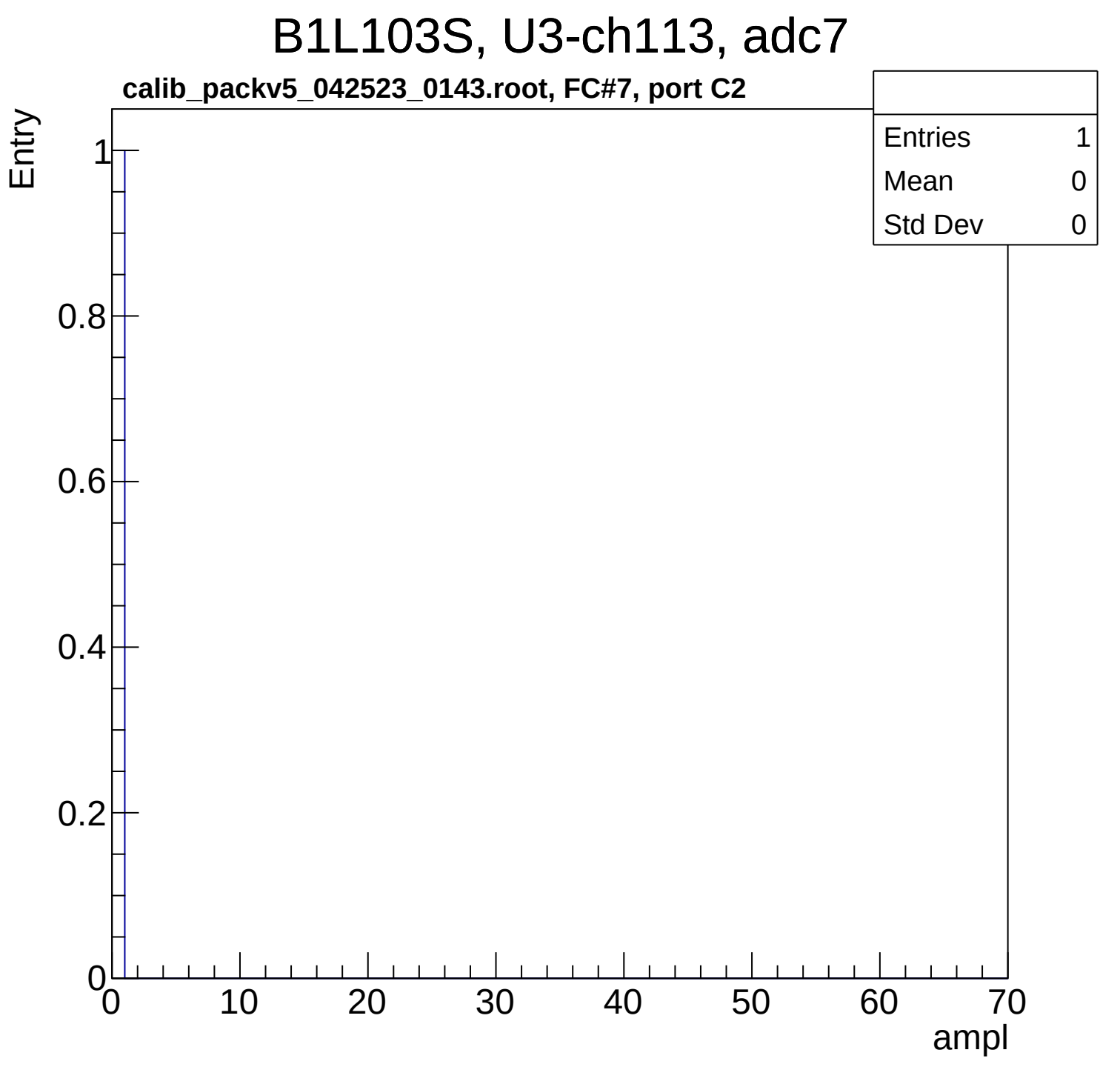
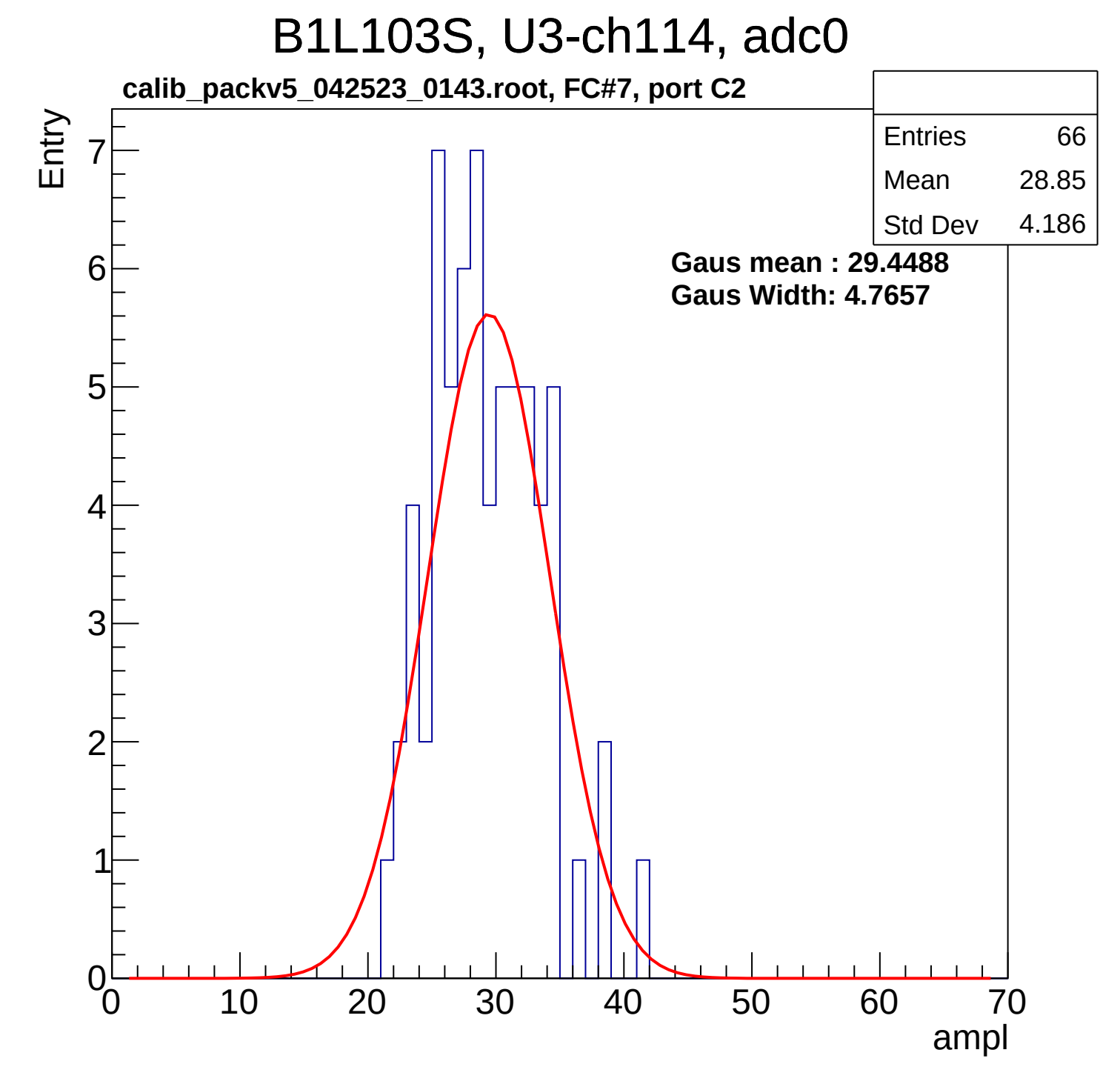
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch113, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch114, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 28.85
Std Dev 4.186
Gaus mean : 29.4488
Gaus Width: 4.7657
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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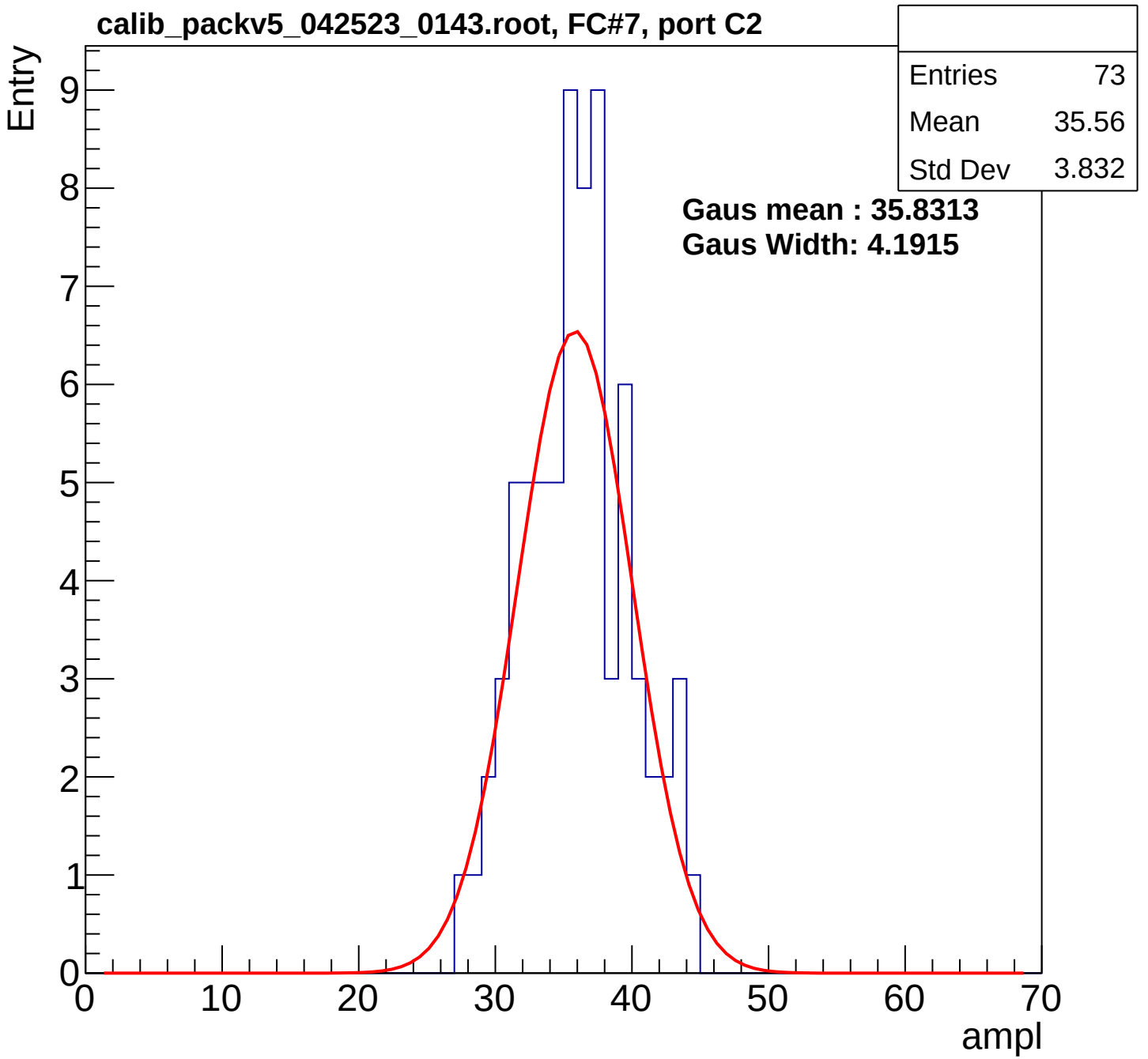
B1L103S, U3-ch114, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 35.56
Std Dev 3.832
Gaus mean : 35.8313
Gaus Width: 4.1915
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
10
20
30
40
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60
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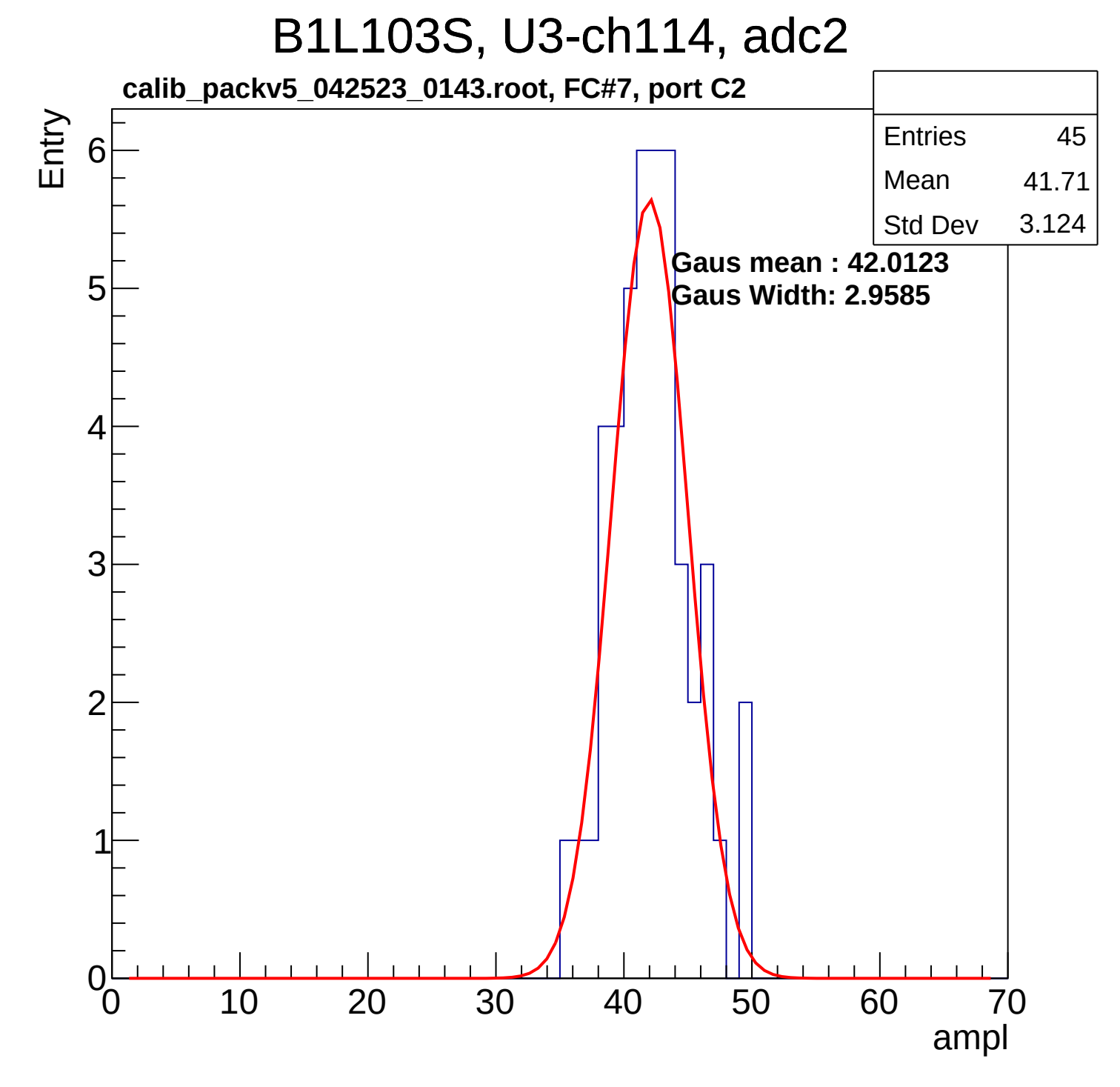
B1L103S, U3-ch114, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 41.71
Std Dev 3.124
Gaus mean : 42.0123
Gaus Width: 2.9585
Entry
ampl
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1
2
3
4
5
6
0
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20
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60
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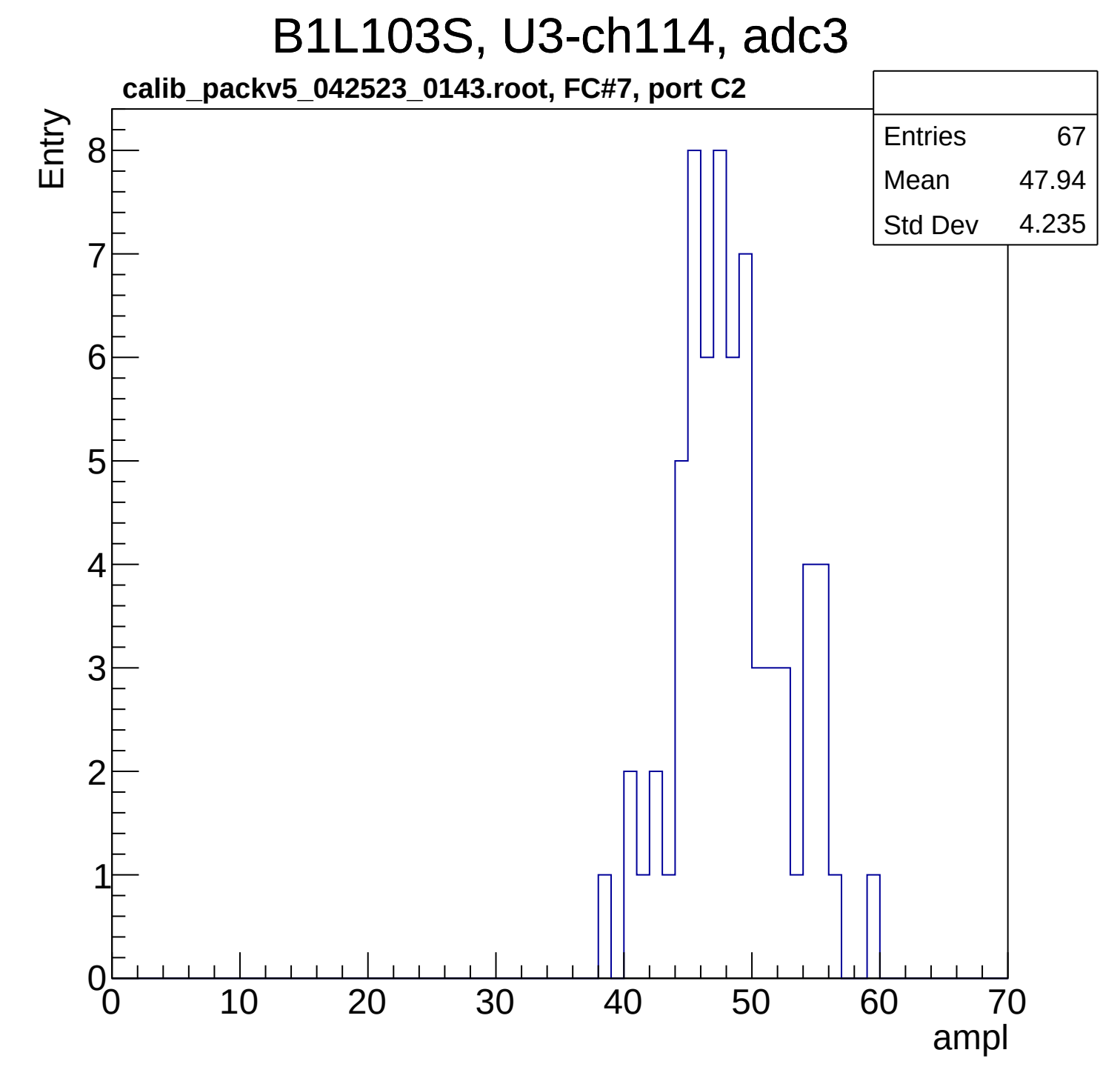
B1L103S, U3-ch114, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 67
Mean 47.94
Std Dev 4.235
Entry
ampl
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60
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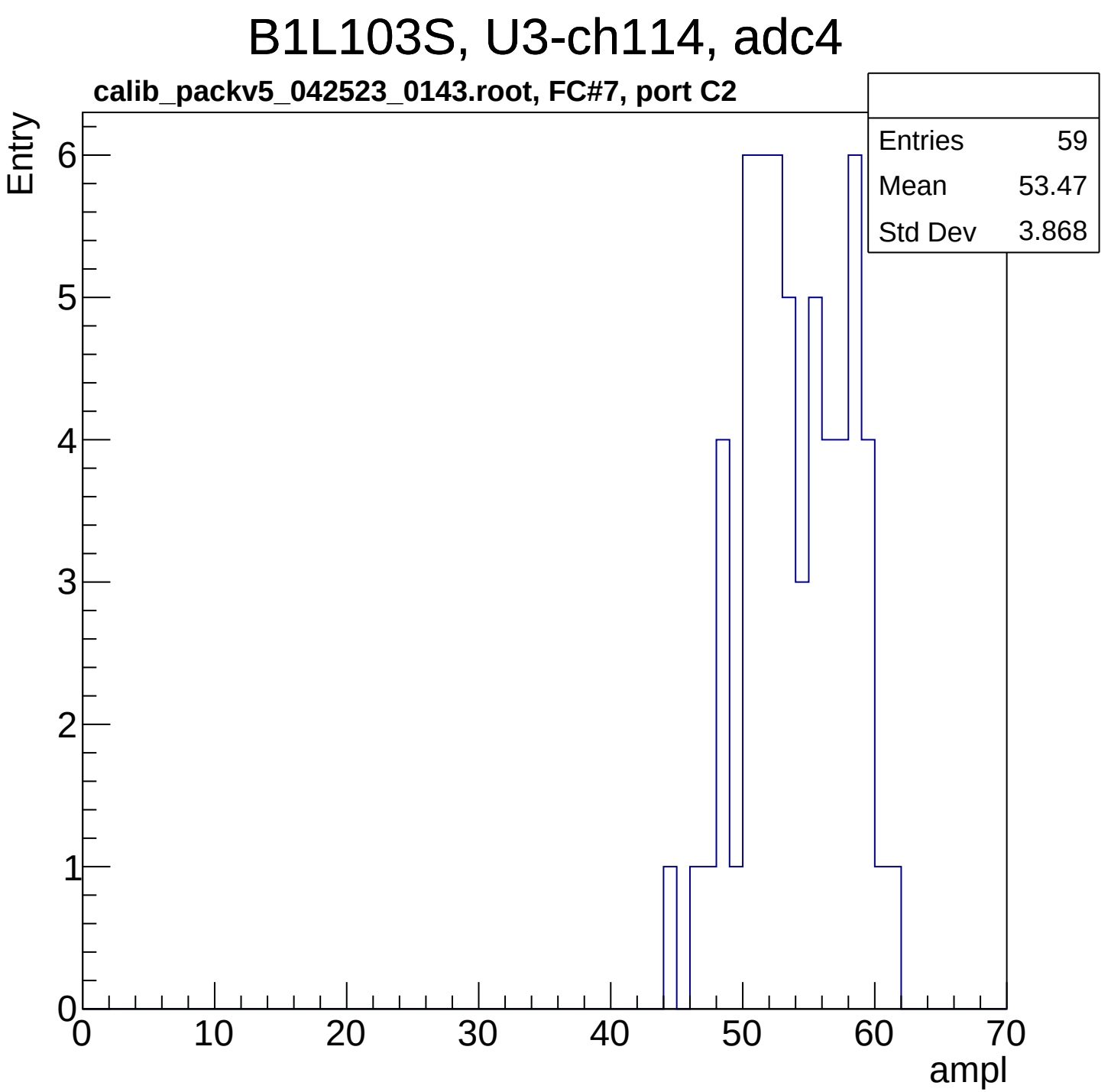
B1L103S, U3-ch114, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 53.47
Std Dev 3.868
Entry
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2
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4
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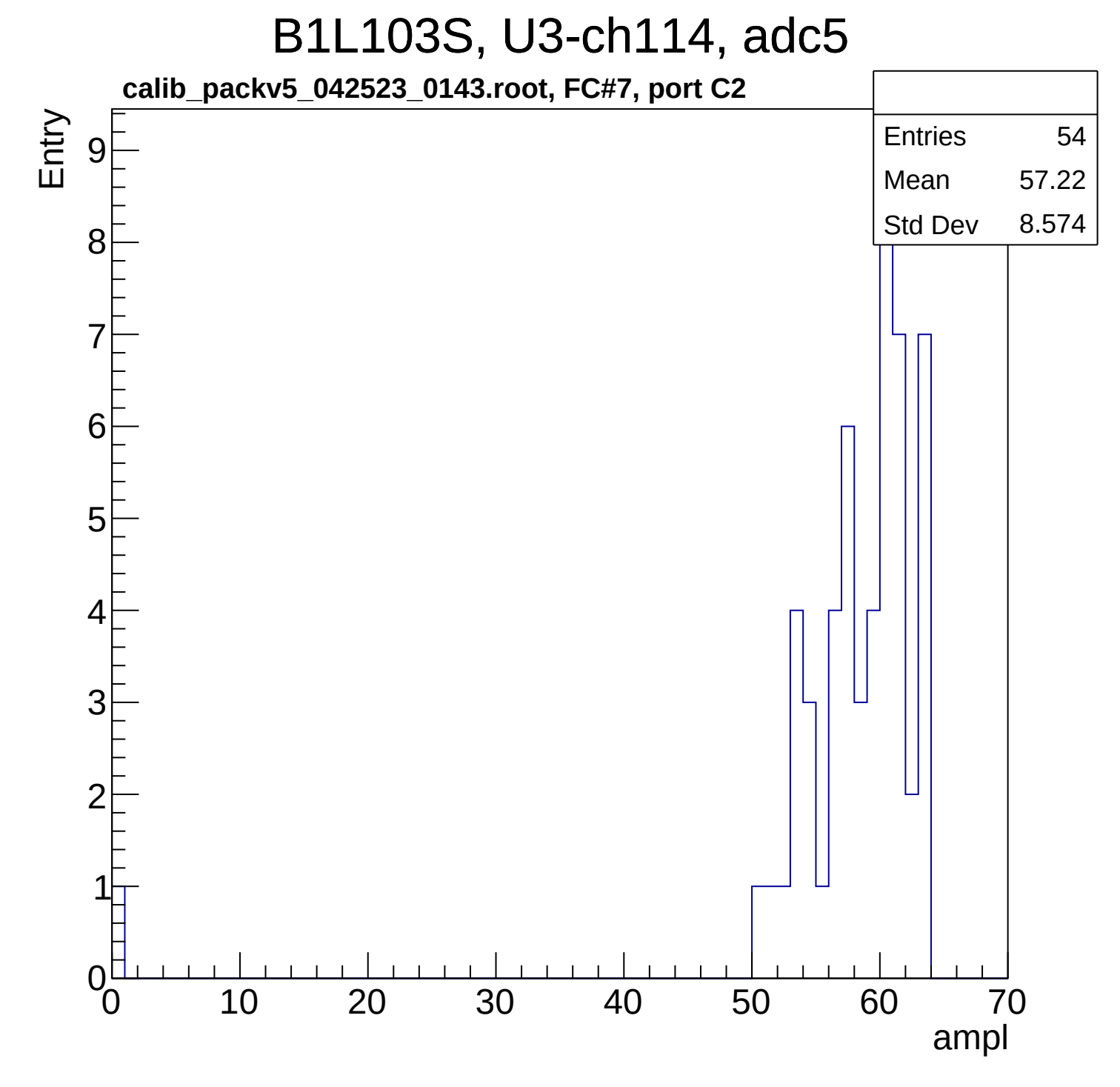
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch114, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 57.22
Std Dev 8.574
Entry
ampl
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4
5
6
7
8
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0
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60
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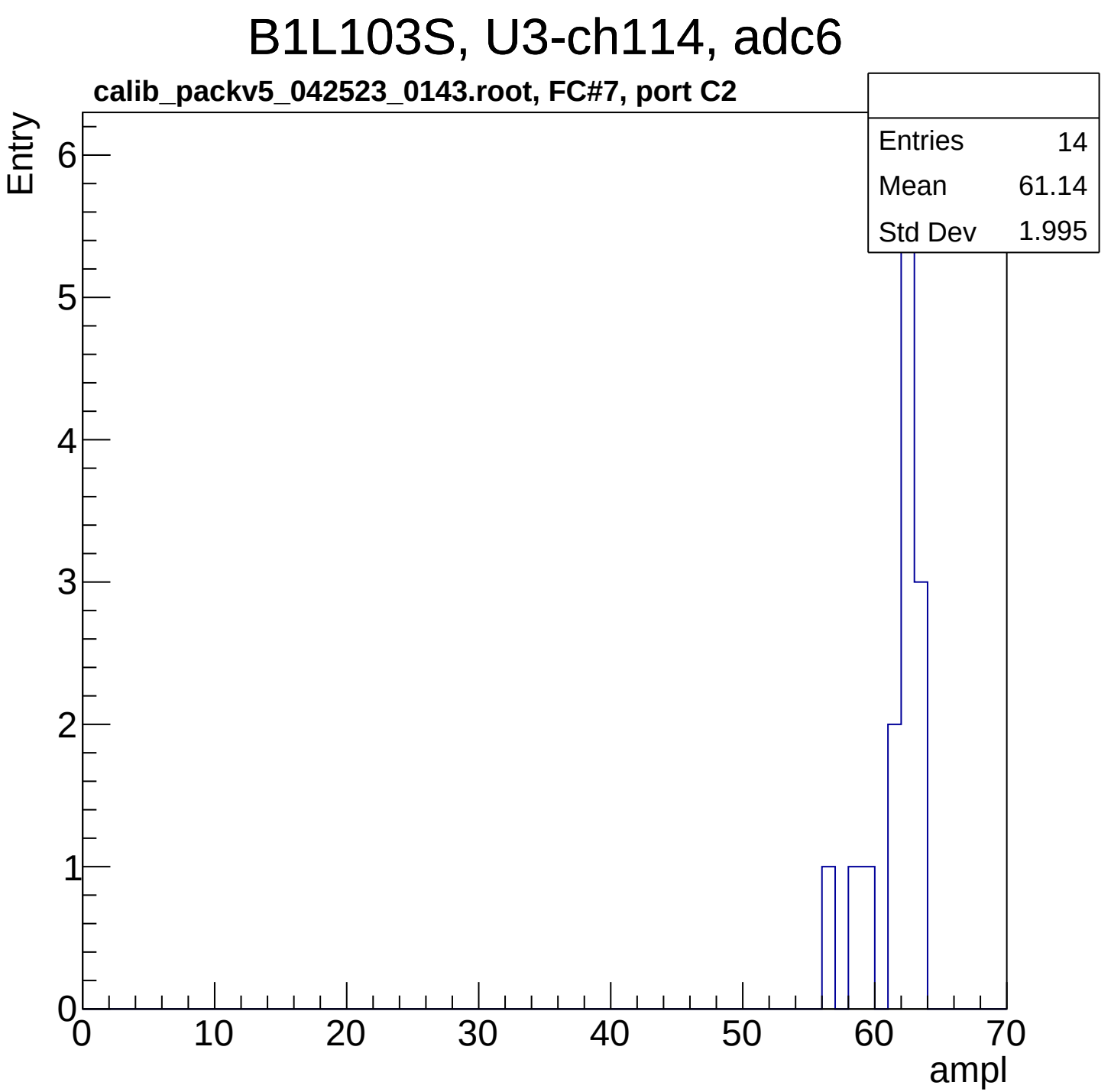
B1L103S, U3-ch114, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 61.14
Std Dev 1.995
Entry
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4
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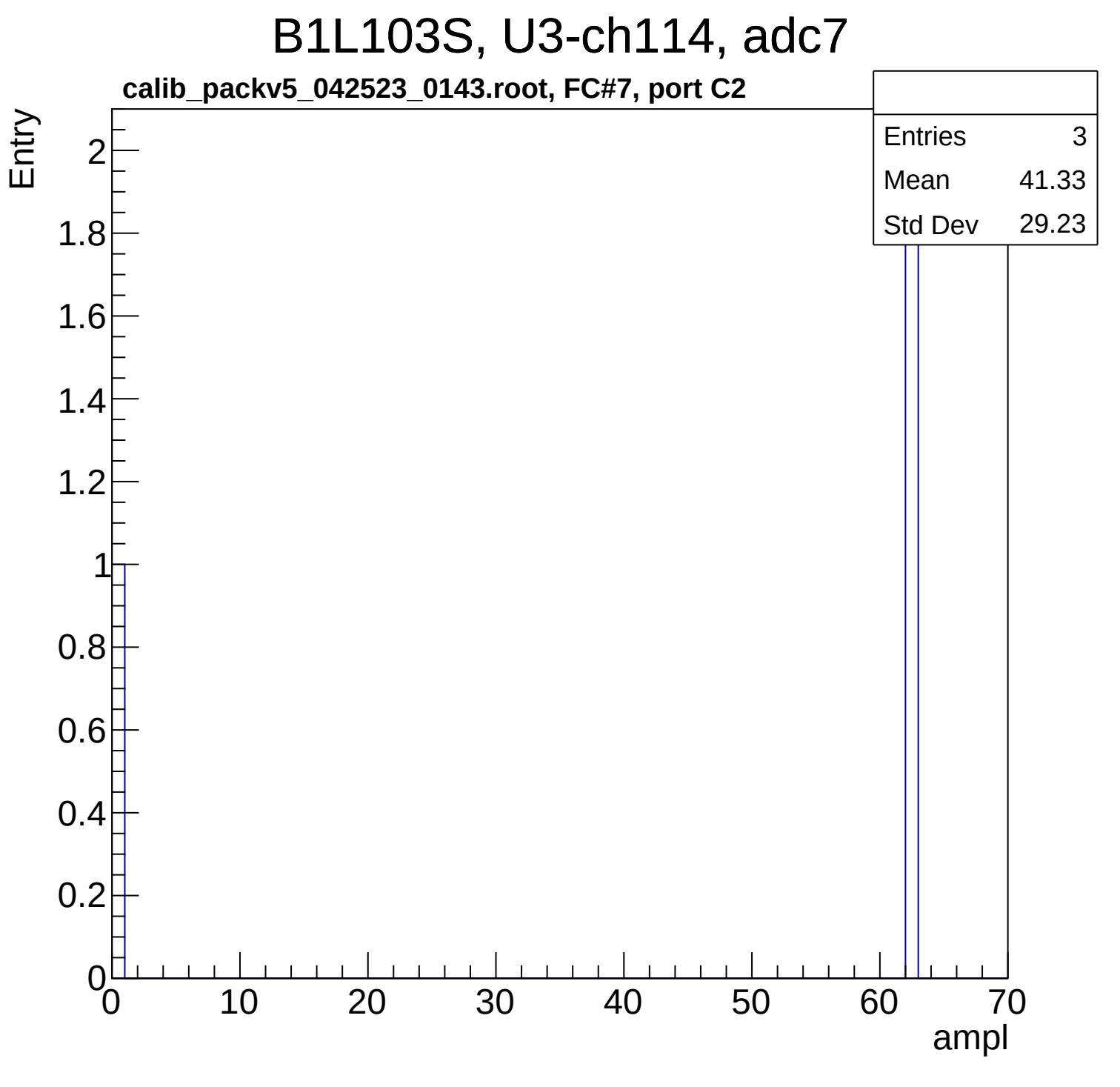
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch114, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 41.33
Std Dev 29.23
Entry
ampl
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0.2
0.4
0.6
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1.2
1.4
1.6
1.8
2
0
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60
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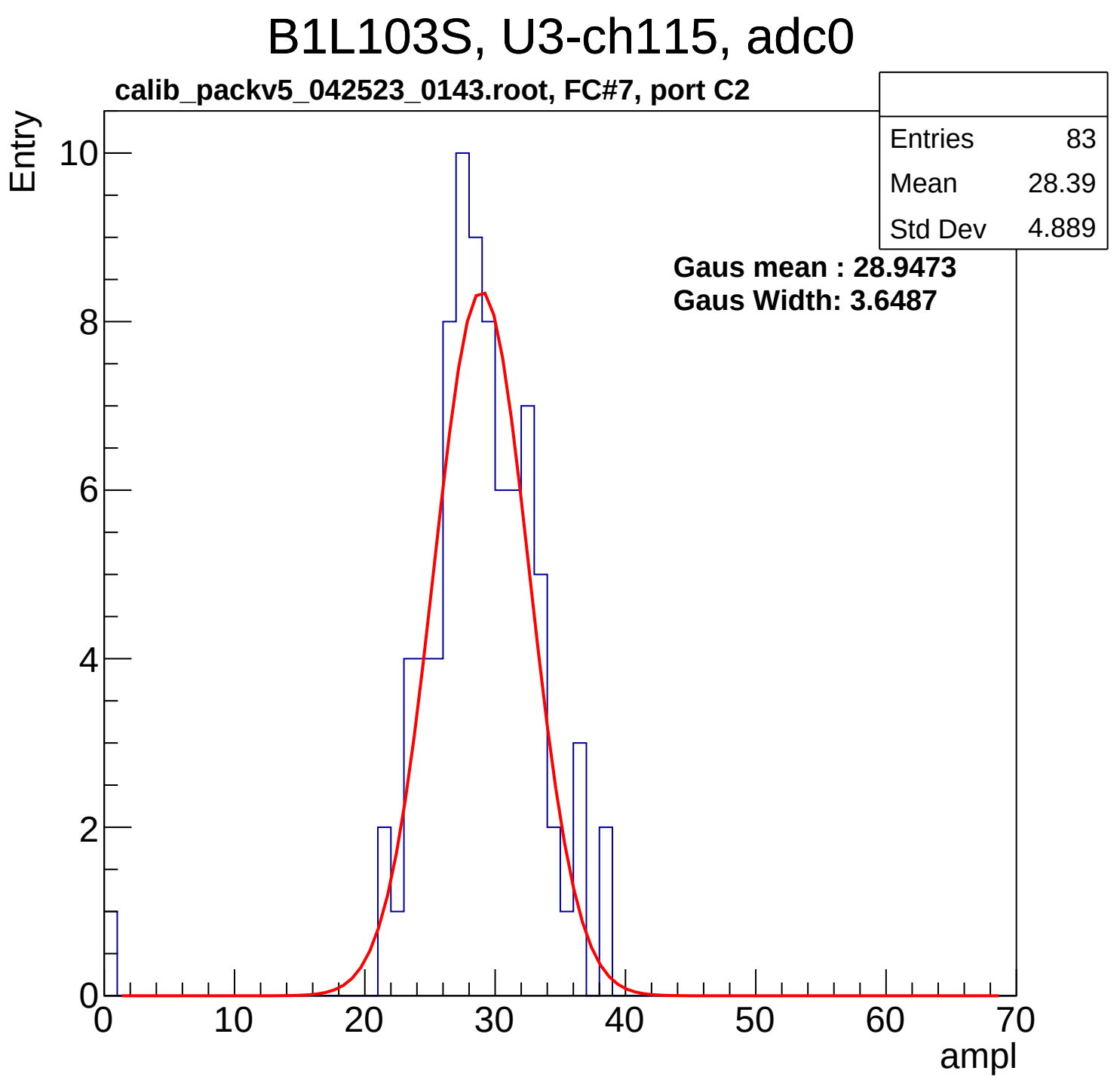
B1L103S, U3-ch115, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 83
Mean 28.39
Std Dev 4.889
Gaus mean : 28.9473
Gaus Width: 3.6487
Entry
ampl
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2
4
6
8
10
0
10
20
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40
50
60
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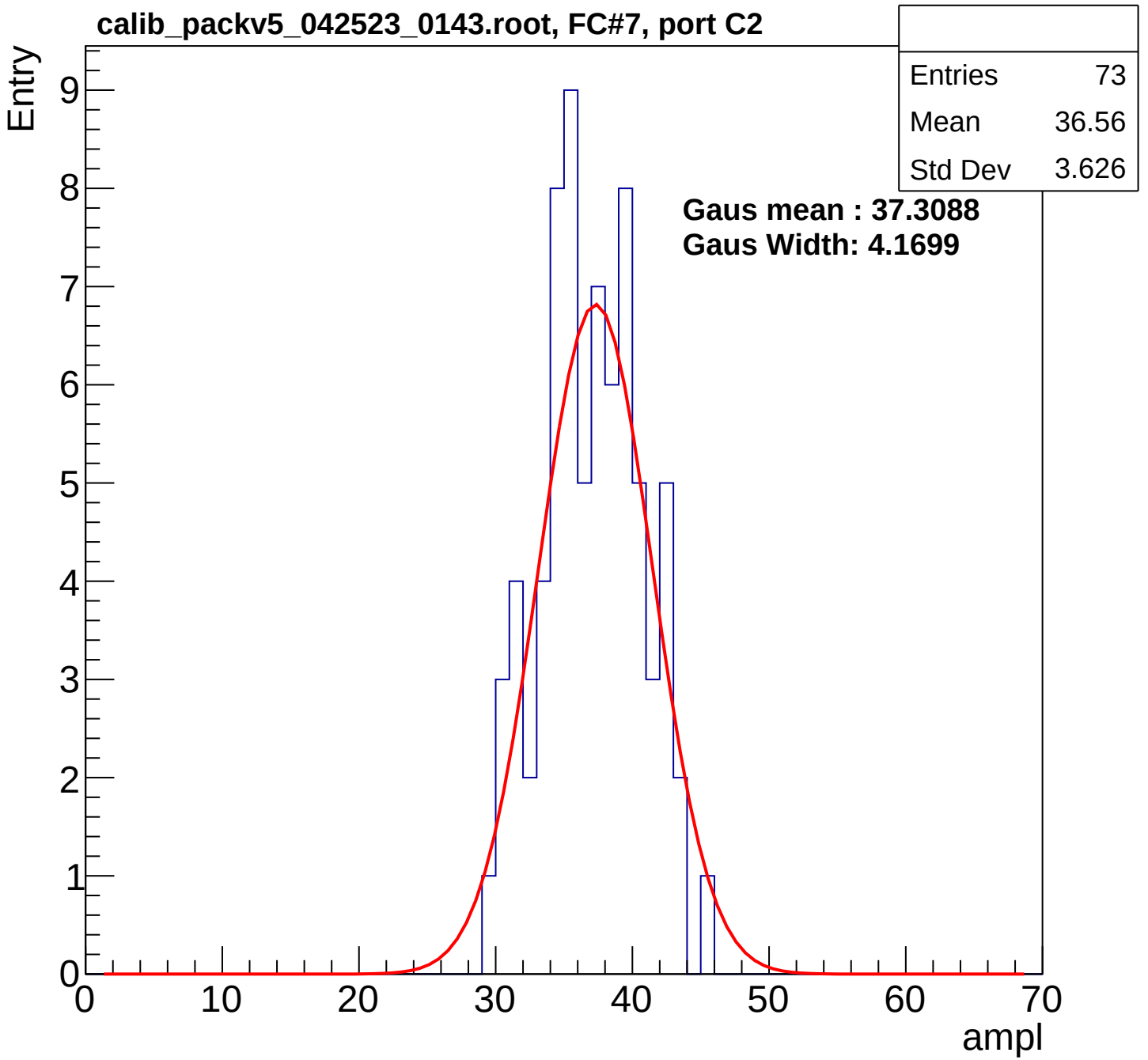
B1L103S, U3-ch115, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 36.56
Std Dev 3.626
Gaus mean : 37.3088
Gaus Width: 4.1699
Entry
ampl
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2
3
4
5
6
7
8
9
0
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30
40
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60
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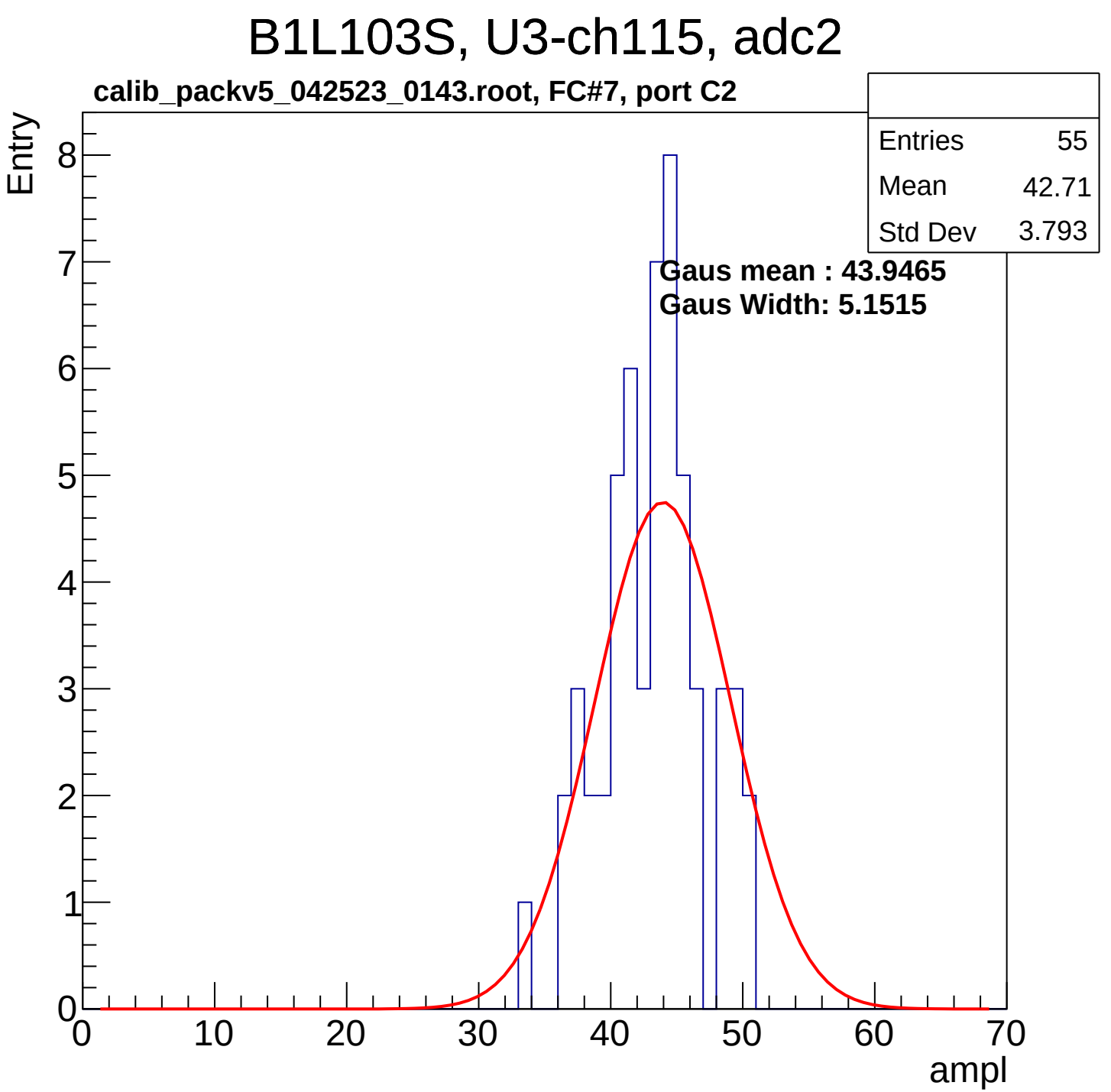
B1L103S, U3-ch115, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 42.71
Std Dev 3.793
Gaus mean : 43.9465
Gaus Width: 5.1515
Entry
ampl
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2
3
4
5
6
7
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0
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20
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40
50
60
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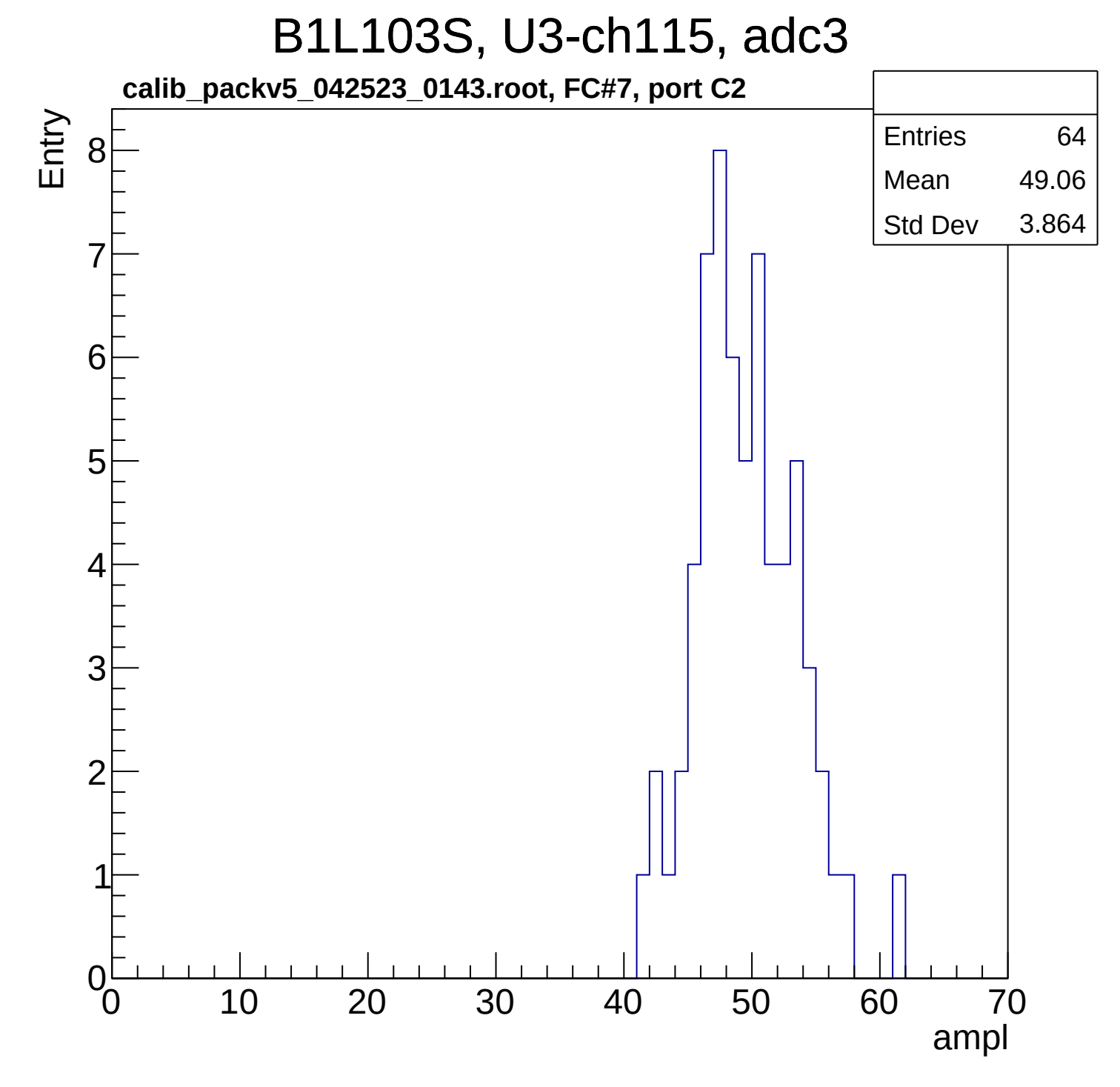
B1L103S, U3-ch115, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 49.06
Std Dev 3.864
Entry
ampl
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4
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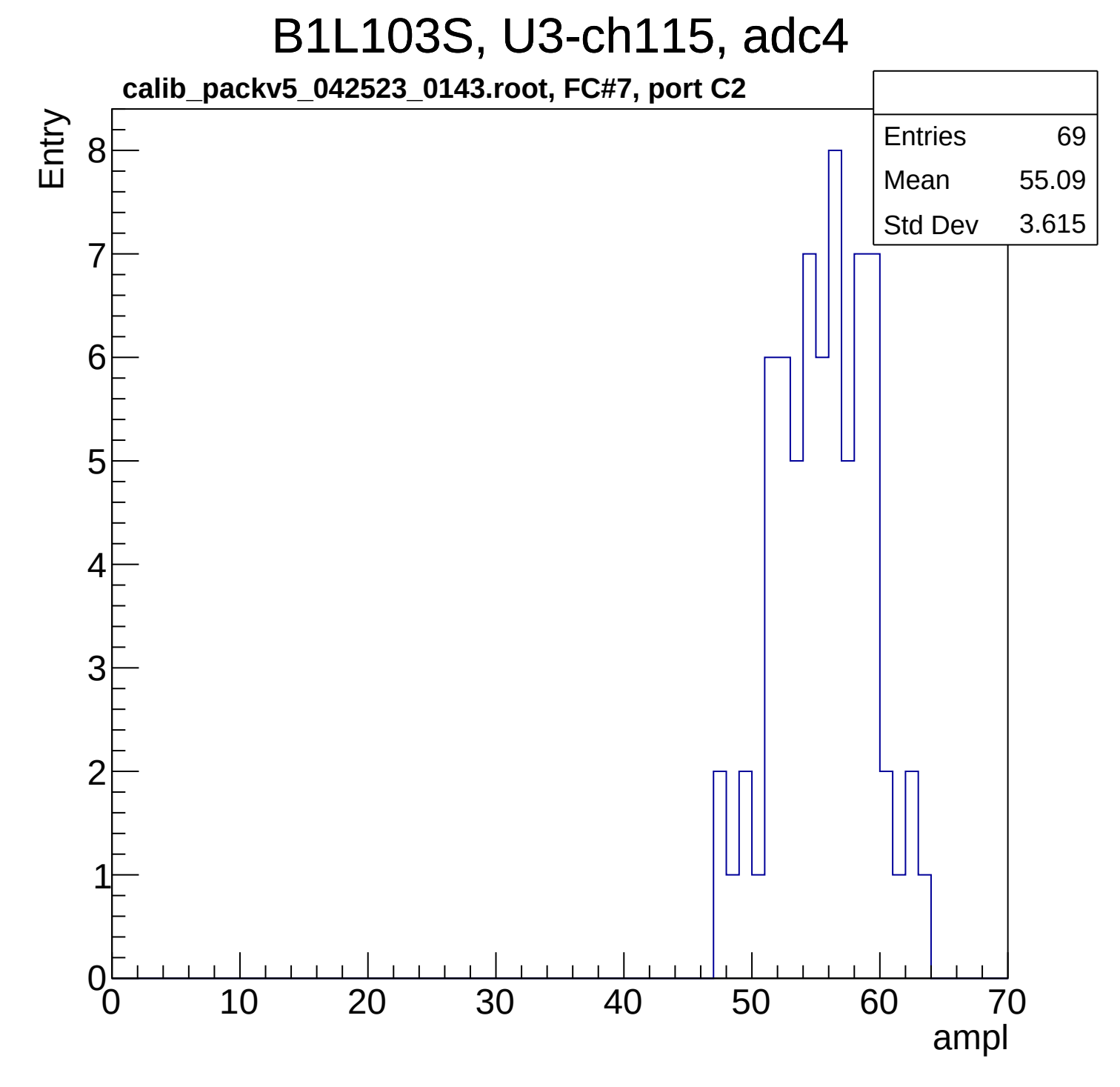
B1L103S, U3-ch115, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 69
Mean 55.09
Std Dev 3.615
Entry
ampl
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5
6
7
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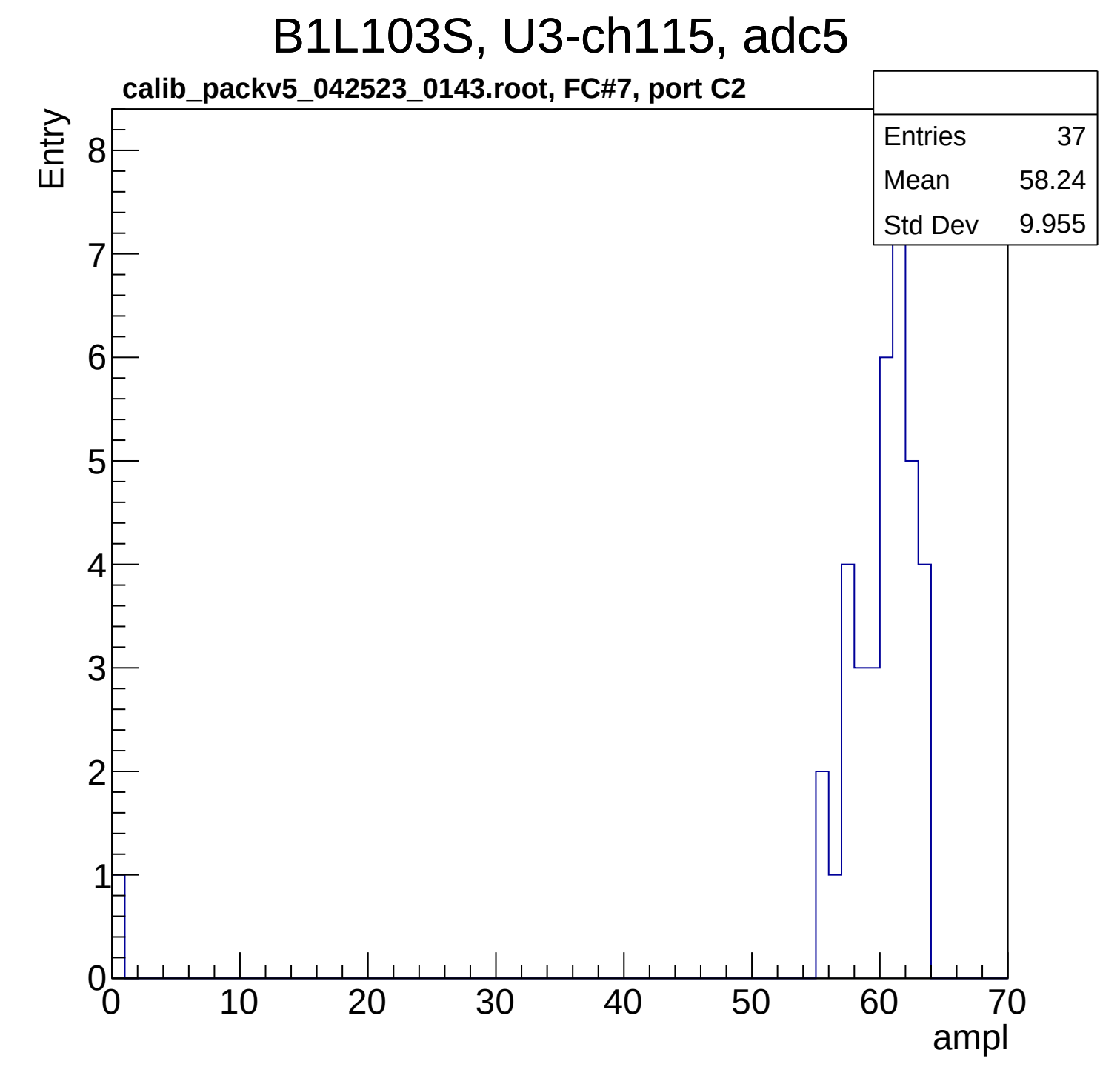
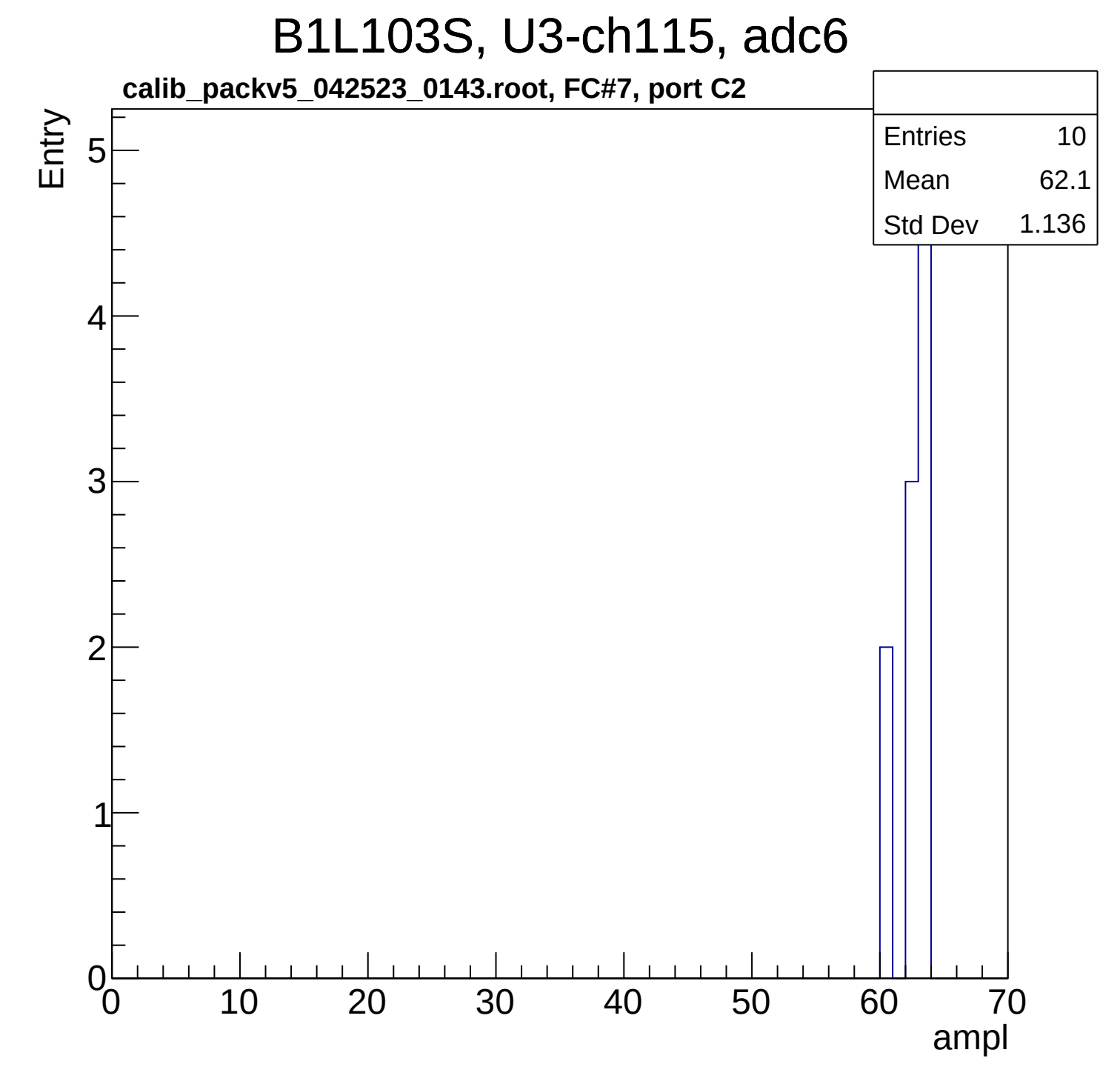

B1L103S, U3-ch115, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 37
Mean 58.24
Std Dev 9.955
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch115, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 10
Mean 62.1
Std Dev 1.136
Entry
ampl
0
1
2
3
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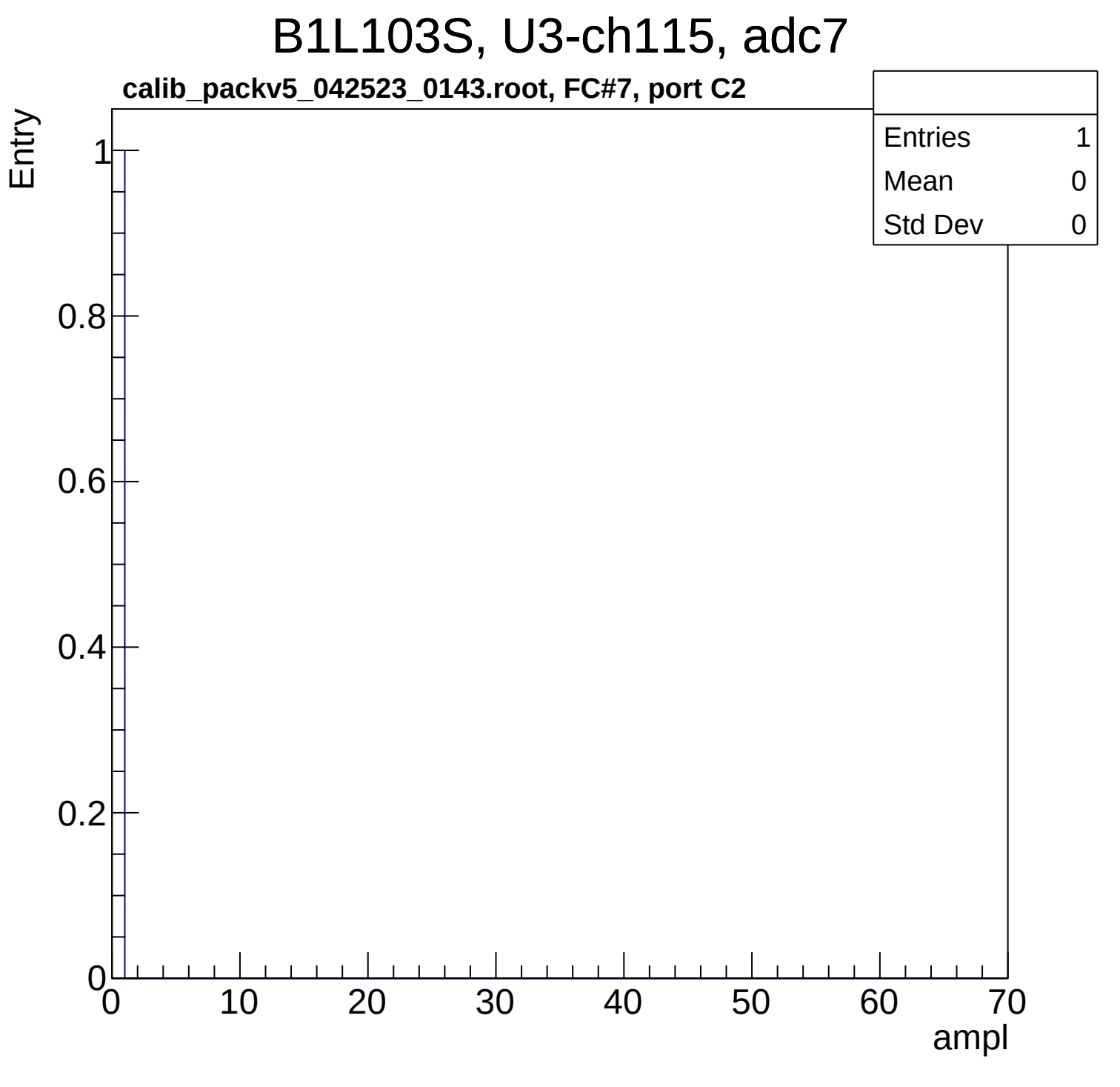
B1L103S, U3-ch115, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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0.6
0.4
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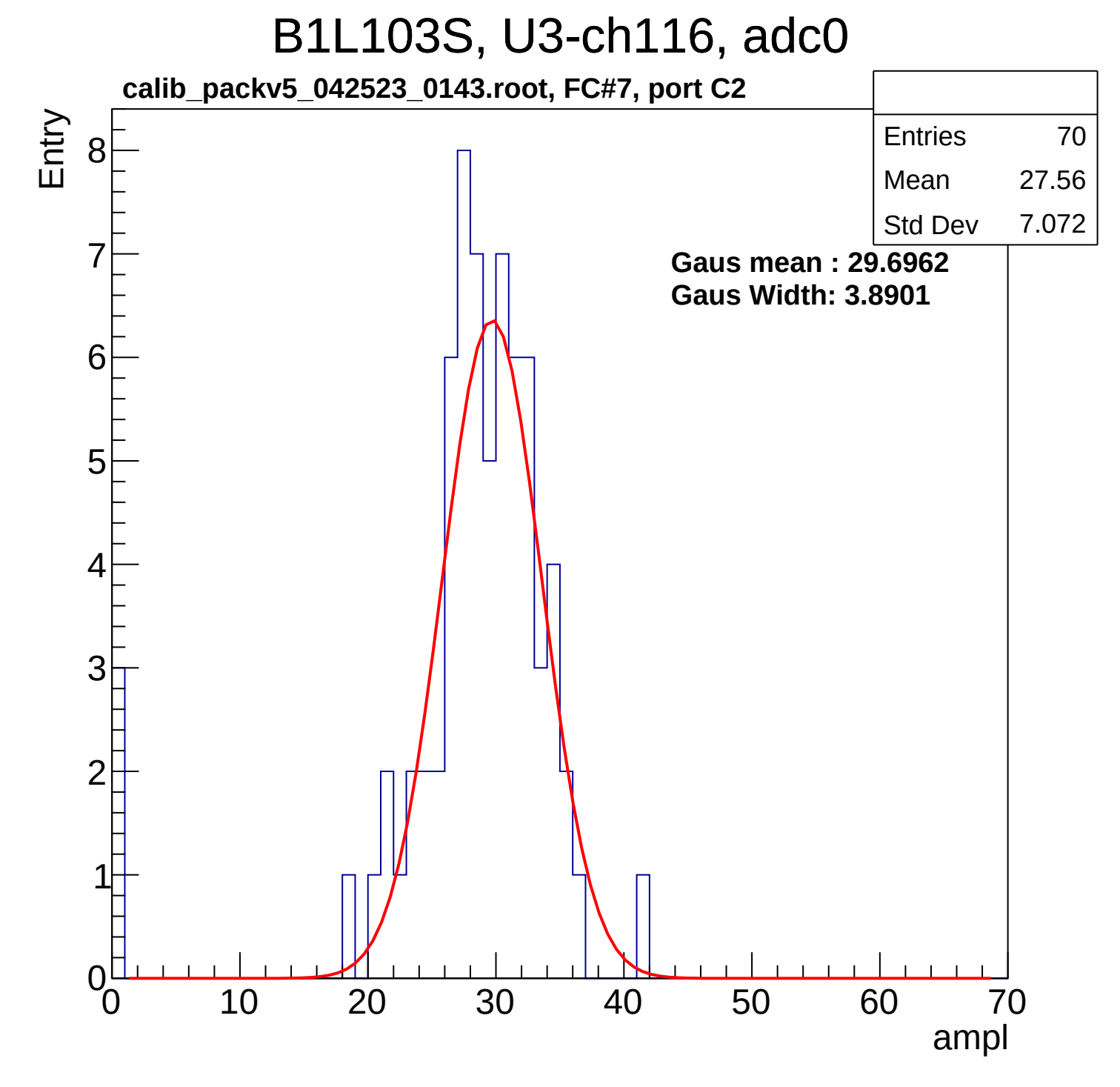
ampl


B1L103S, U3-ch116, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 70
Mean 27.56
Std Dev 7.072
Gaus mean : 29.6962
Gaus Width: 3.8901
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
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40
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60
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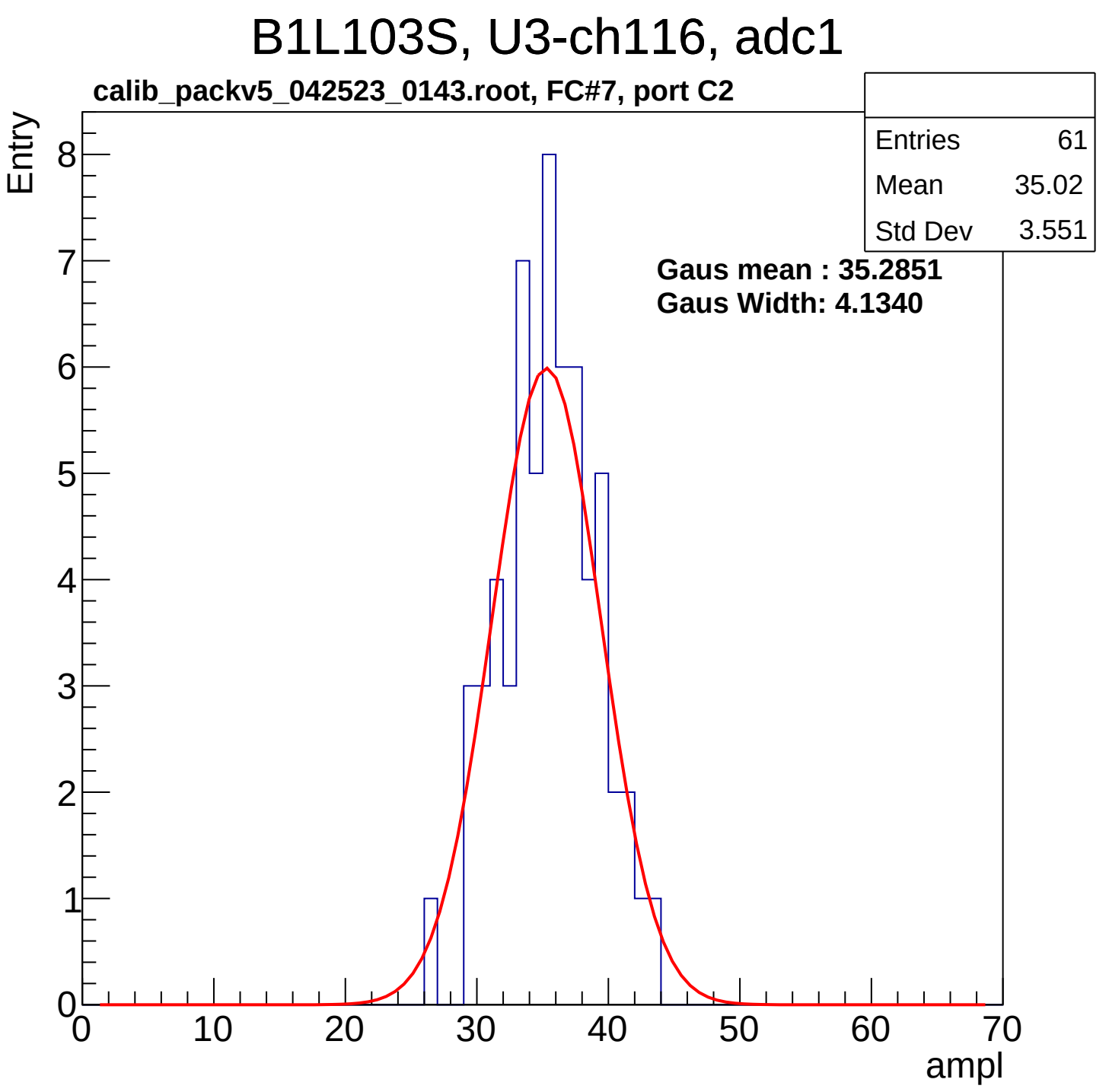
B1L103S, U3-ch116, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 35.02
Std Dev 3.551
Gaus mean : 35.2851
Gaus Width: 4.1340
Entry
ampl
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1
2
3
4
5
6
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0
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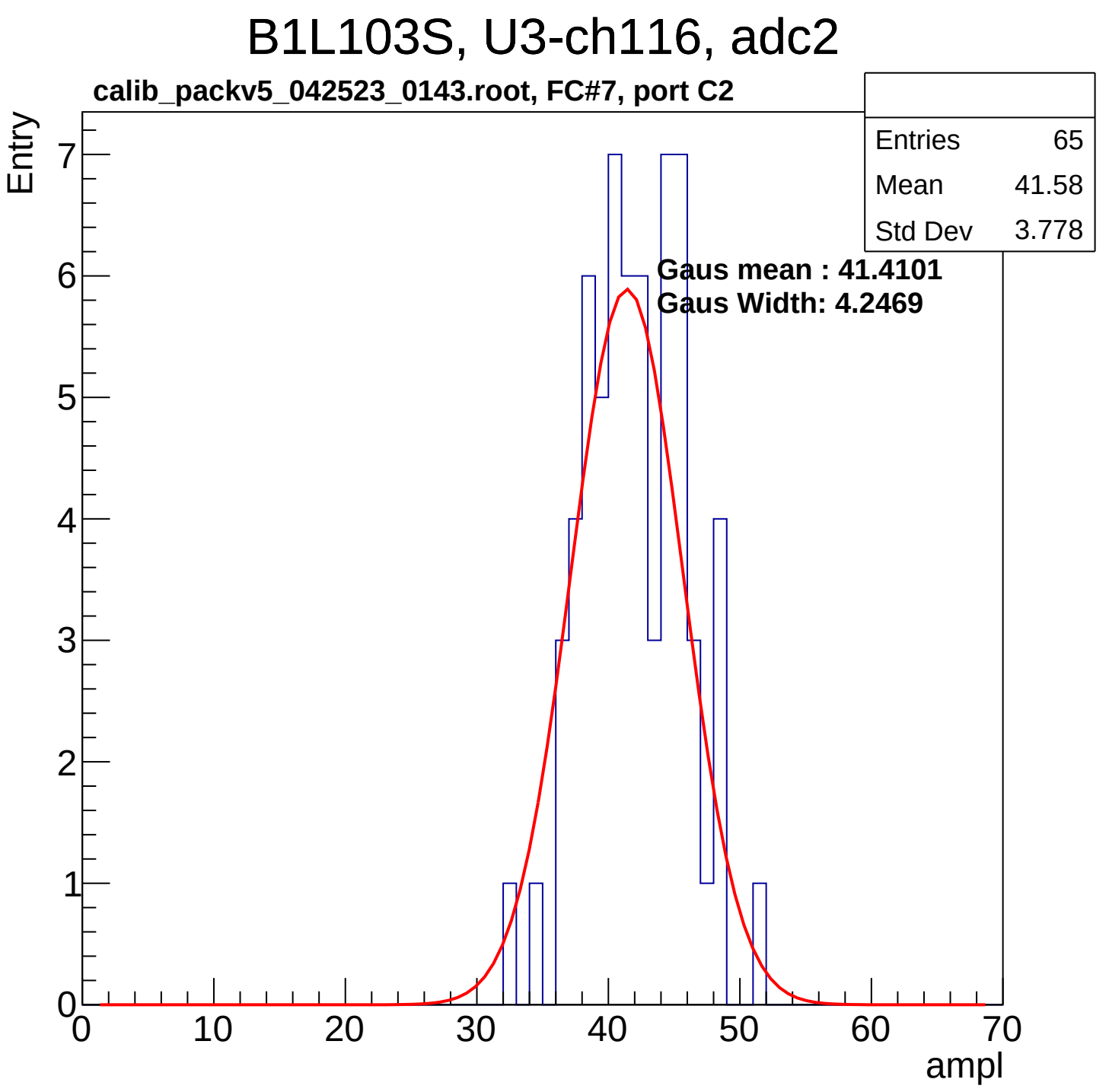
B1L103S, U3-ch116, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 41.58
Std Dev 3.778
Gaus mean : 41.4101
Gaus Width: 4.2469
Entry
ampl
0
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4
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0
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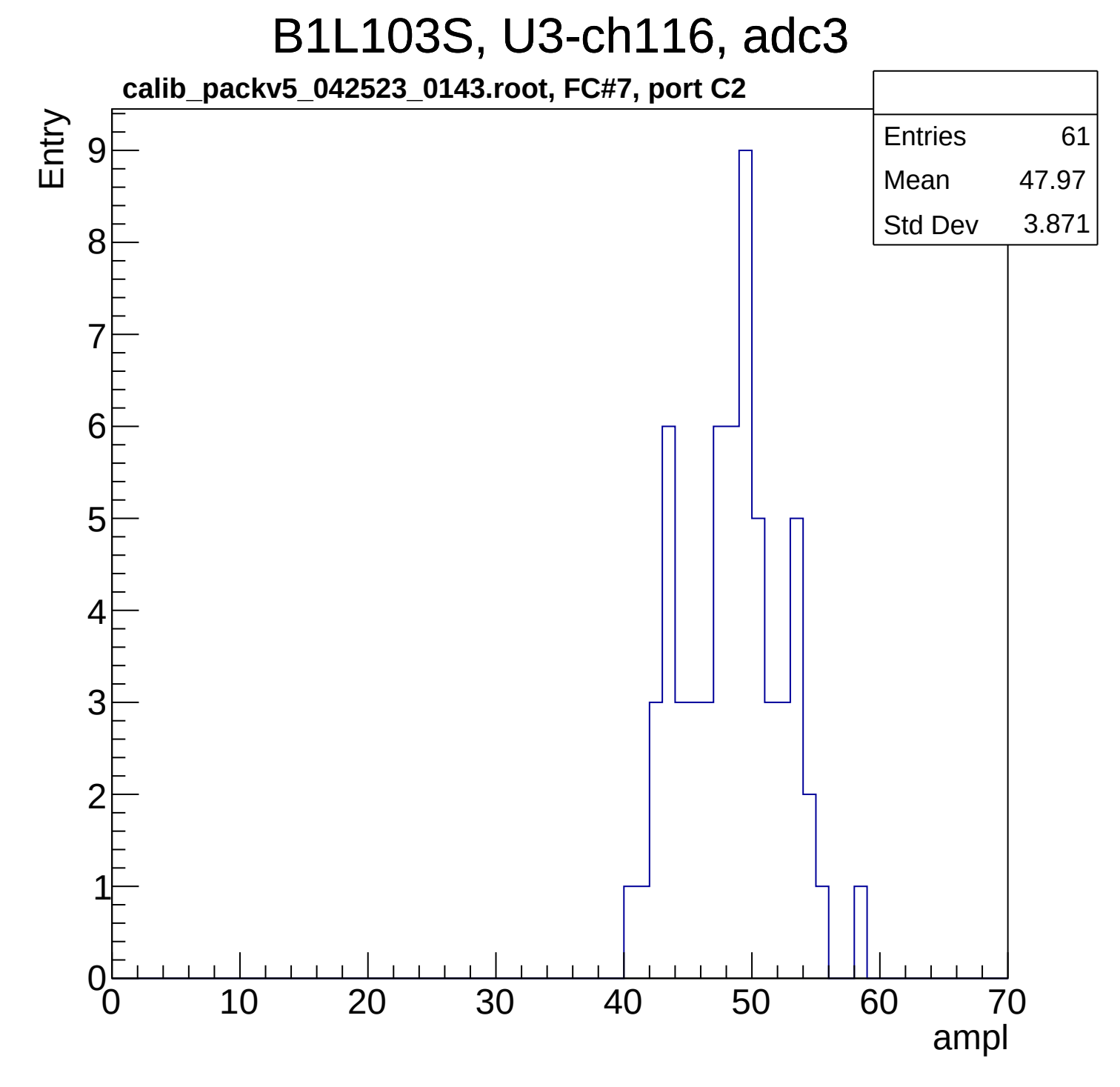
B1L103S, U3-ch116, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 47.97
Std Dev 3.871
Entry
ampl
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4
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0
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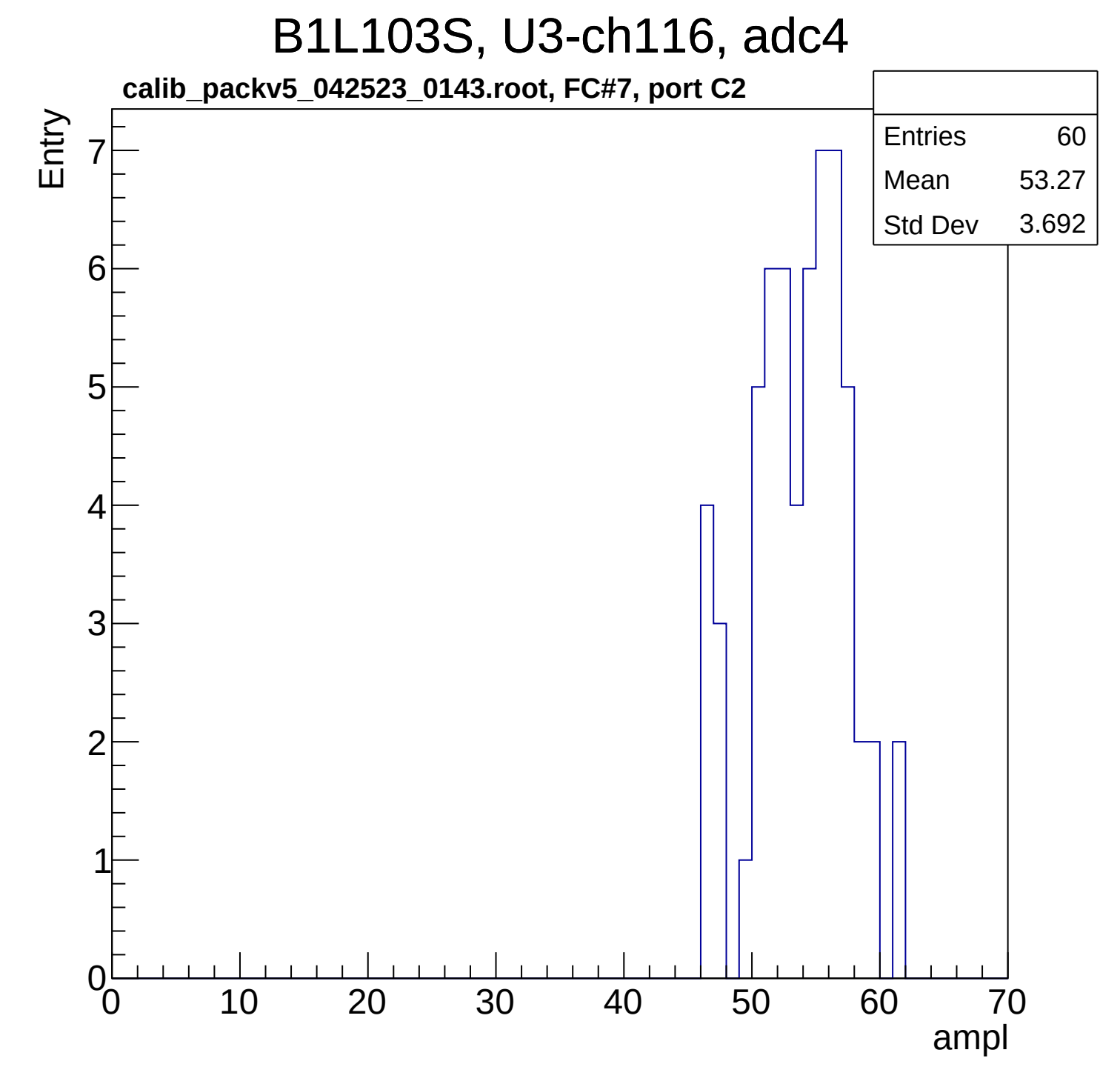
B1L103S, U3-ch116, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 53.27
Std Dev 3.692
Entry
ampl
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1
2
3
4
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0
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40
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60
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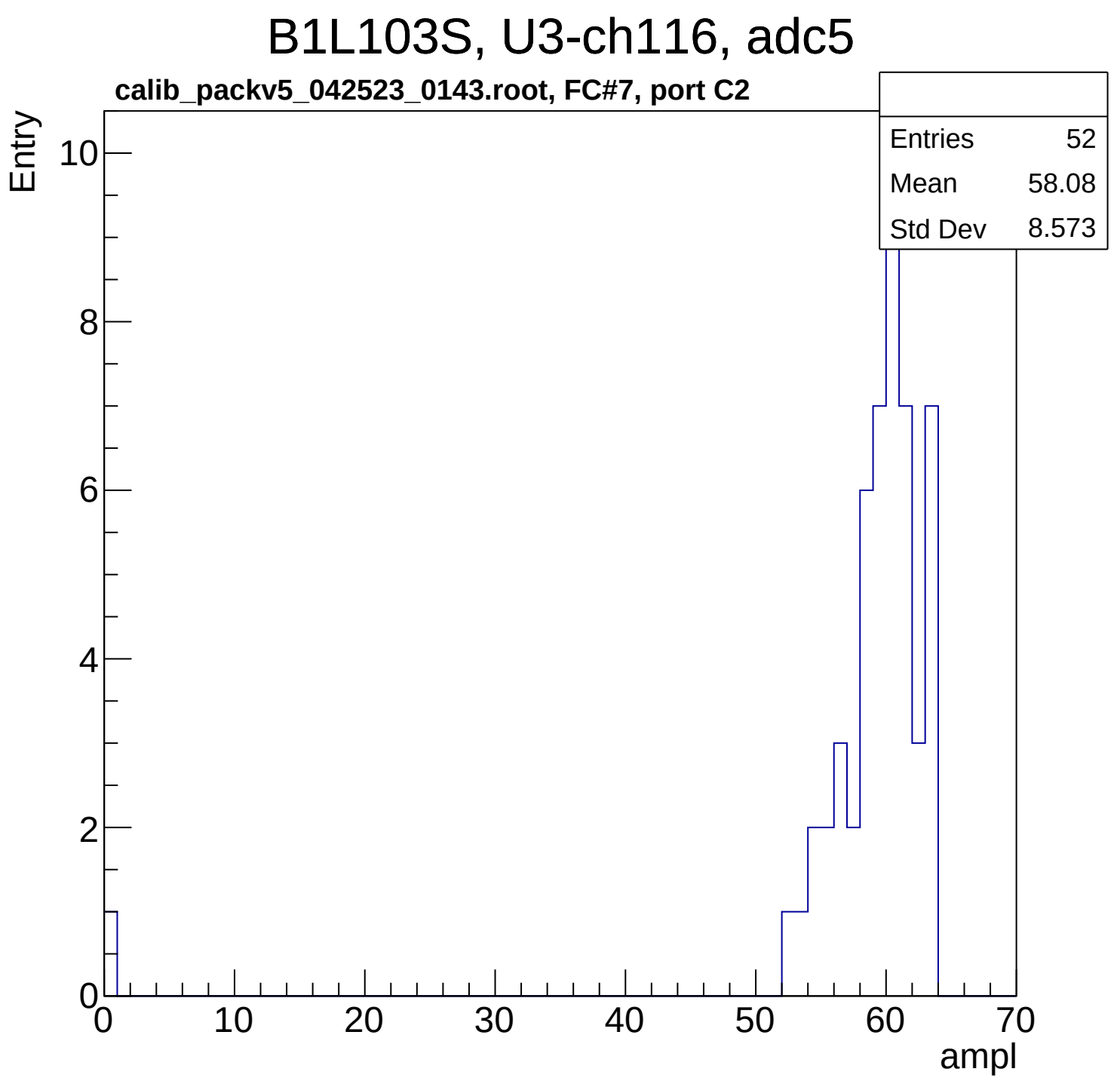
B1L103S, U3-ch116, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 58.08
Std Dev 8.573
Entry
ampl
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2
4
6
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0
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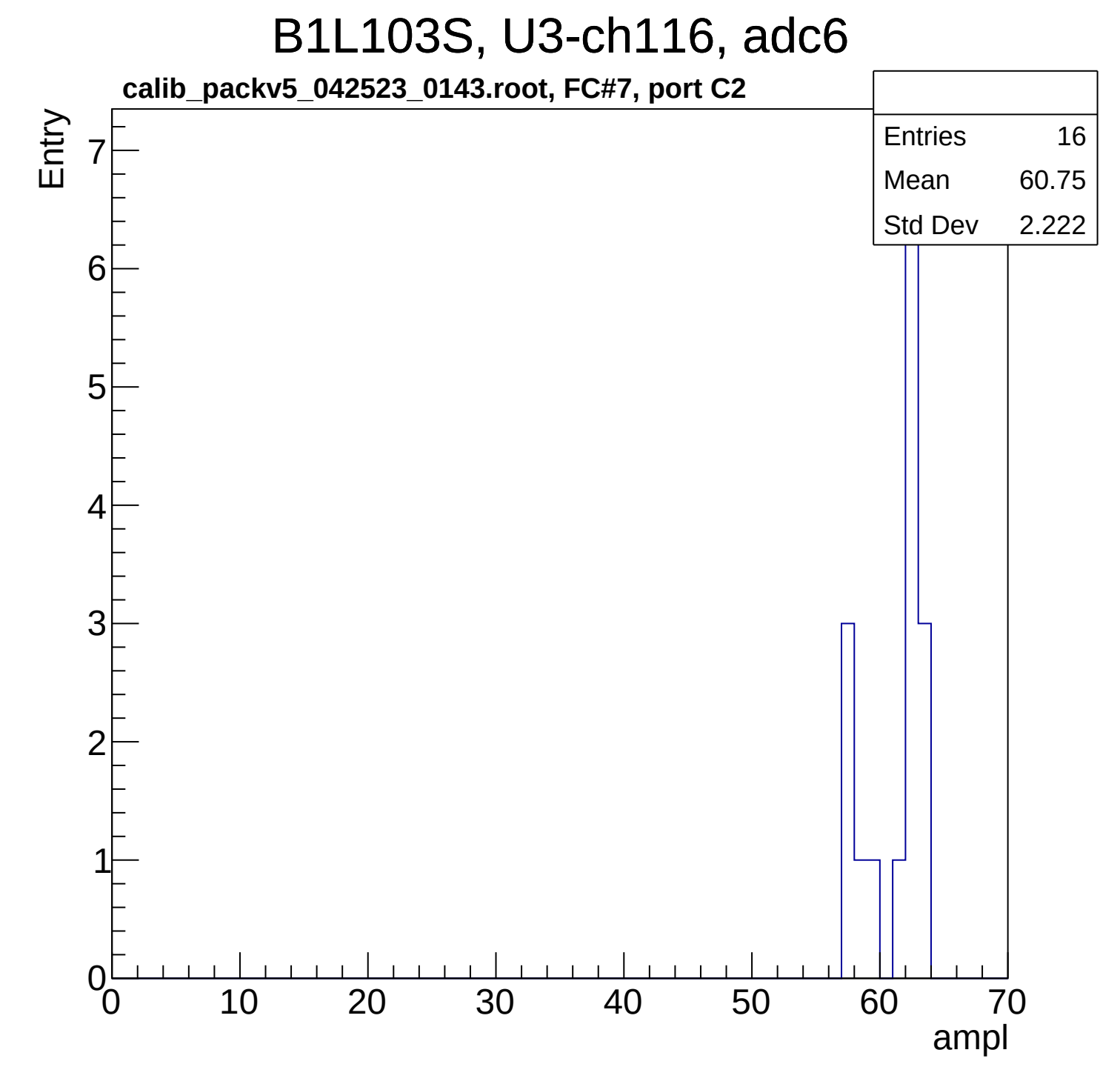
B1L103S, U3-ch116, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 16
Mean 60.75
Std Dev 2.222
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
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40
50
60
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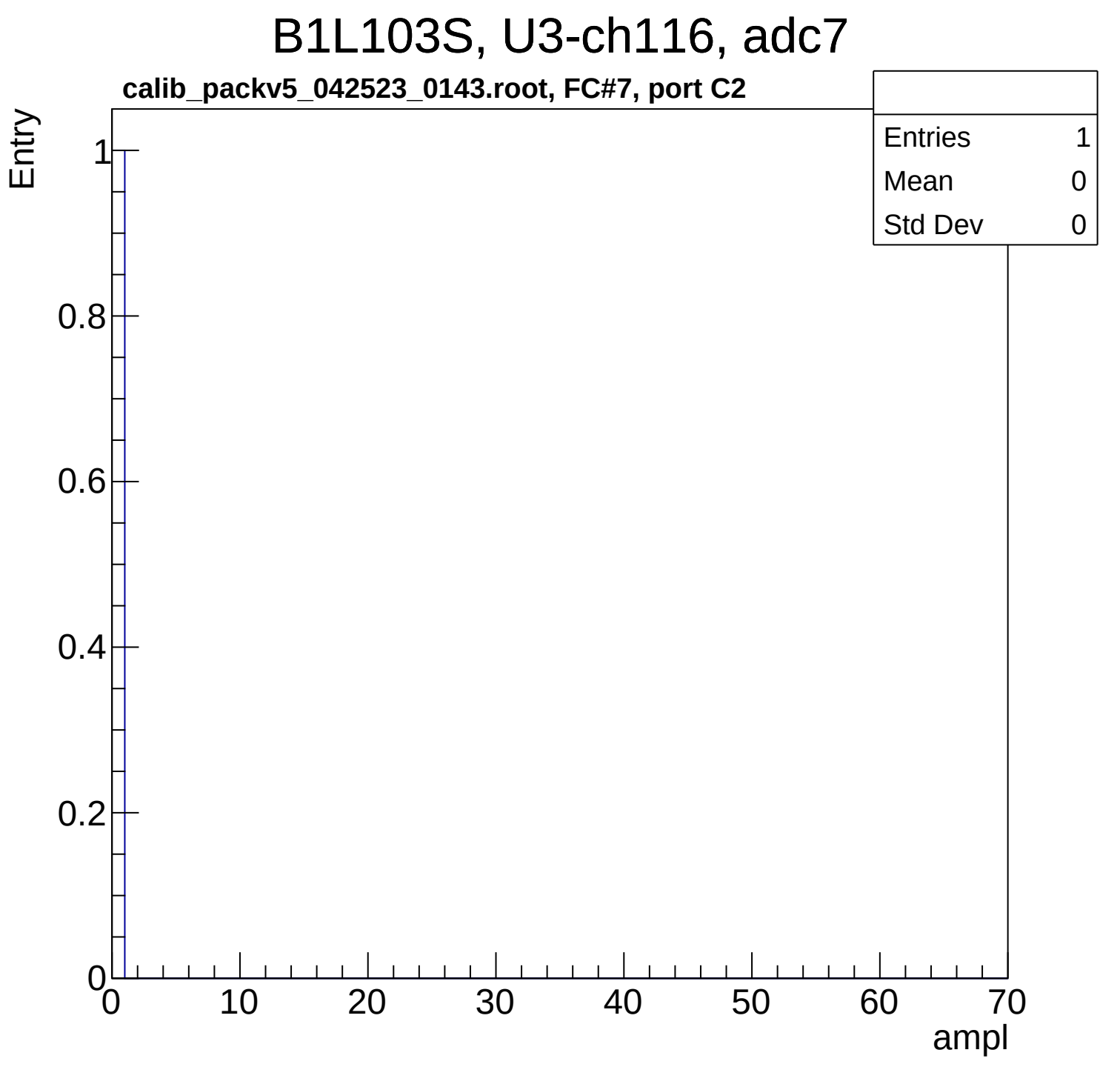
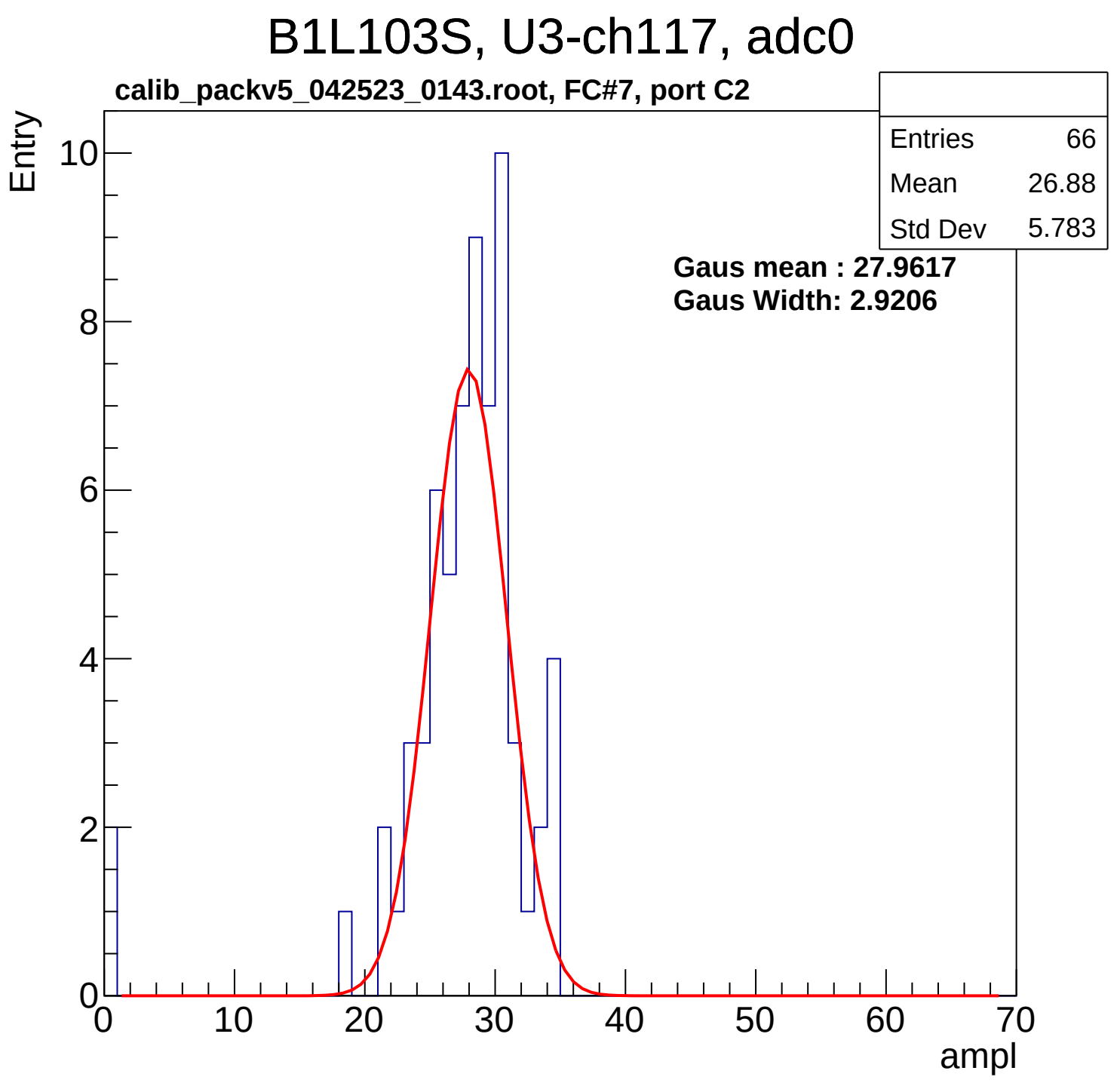

B1L103S, U3-ch116, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch117, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 26.88
Std Dev 5.783
Gaus mean : 27.9617
Gaus Width: 2.9206
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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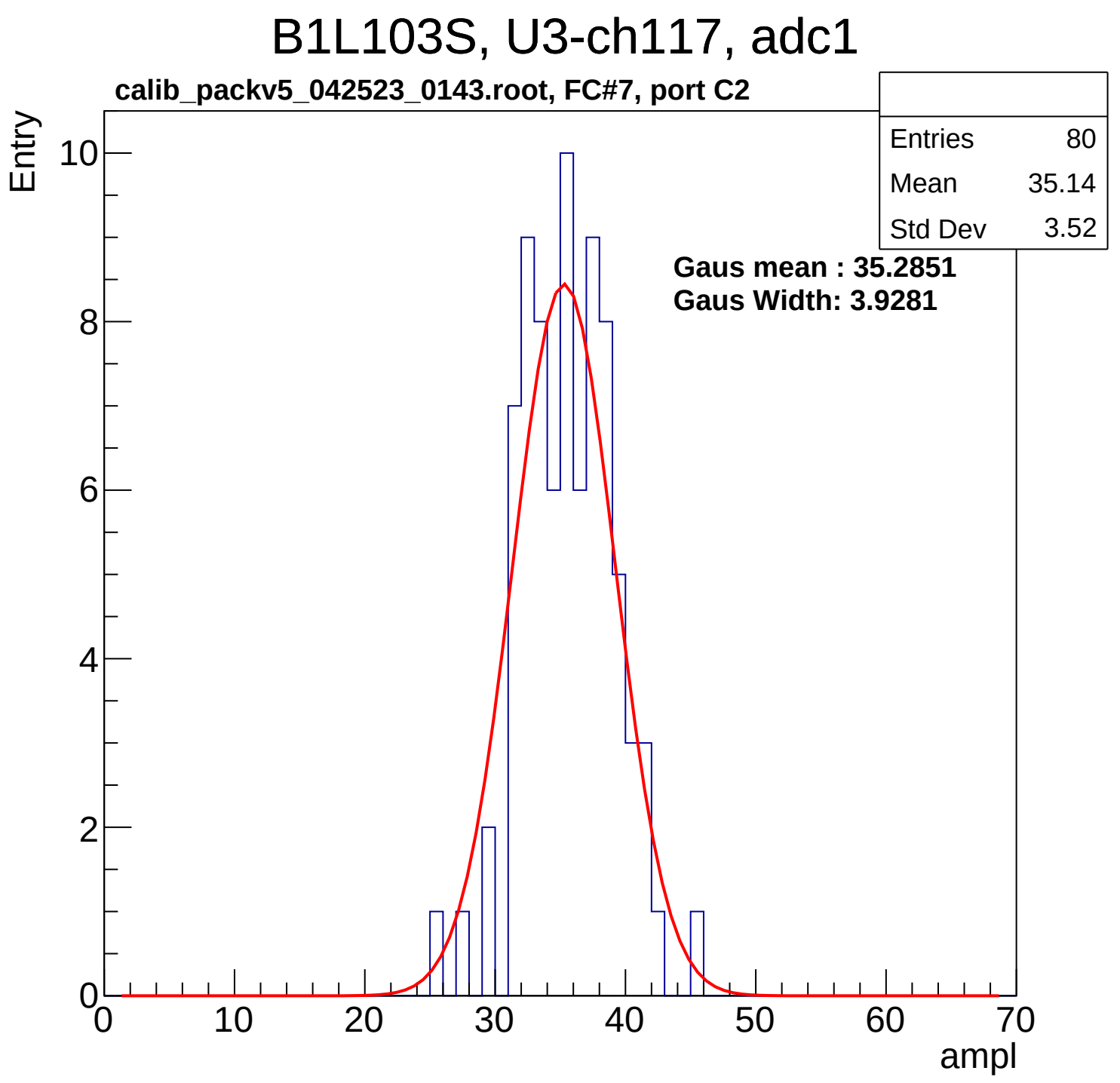
B1L103S, U3-ch117, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 80
Mean 35.14
Std Dev 3.52
Gaus mean : 35.2851
Gaus Width: 3.9281
Entry
ampl
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2
4
6
8
10
0
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20
30
40
50
60
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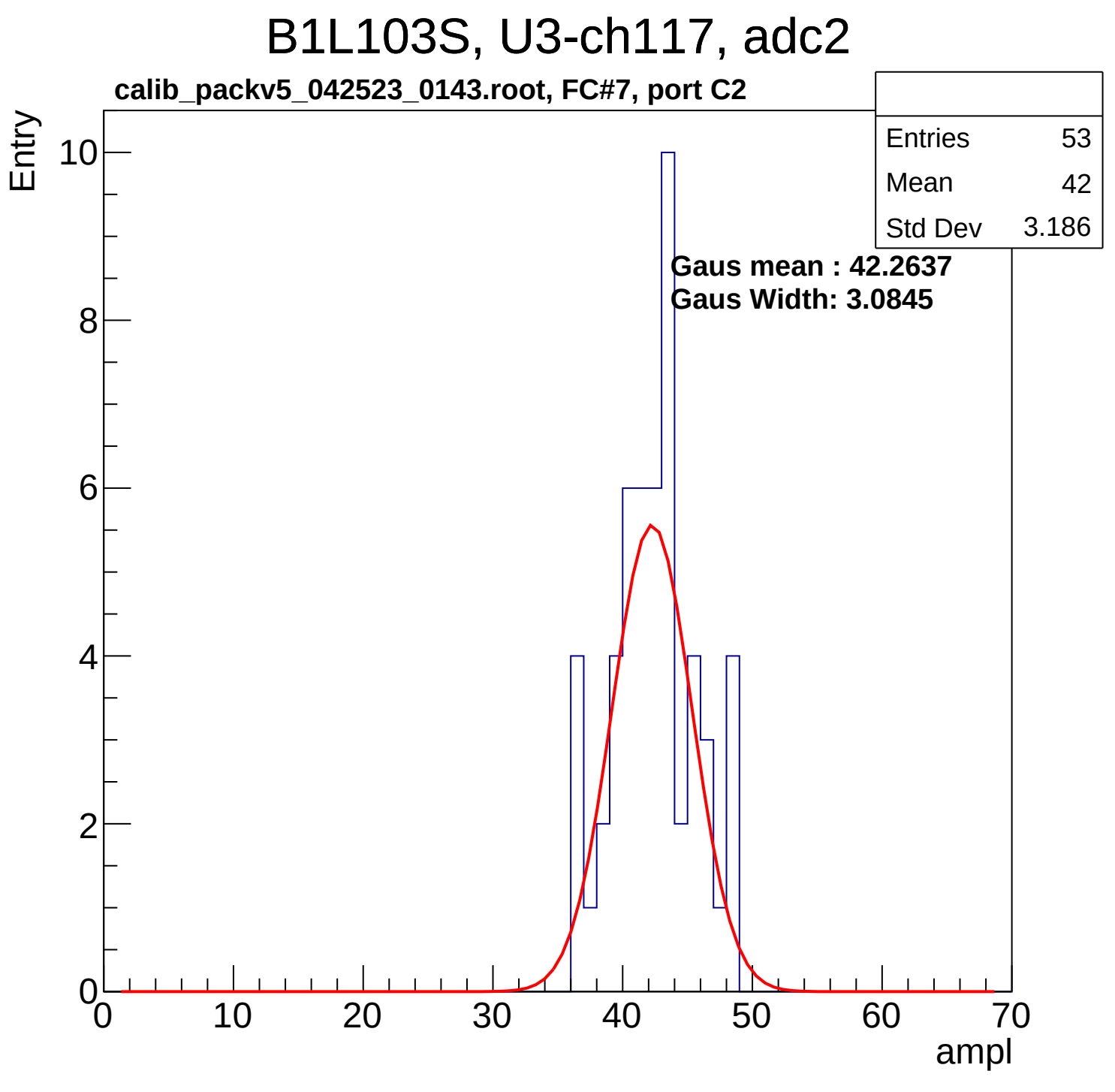
B1L103S, U3-ch117, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 42
Std Dev 3.186
Gaus mean : 42.2637
Gaus Width: 3.0845
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
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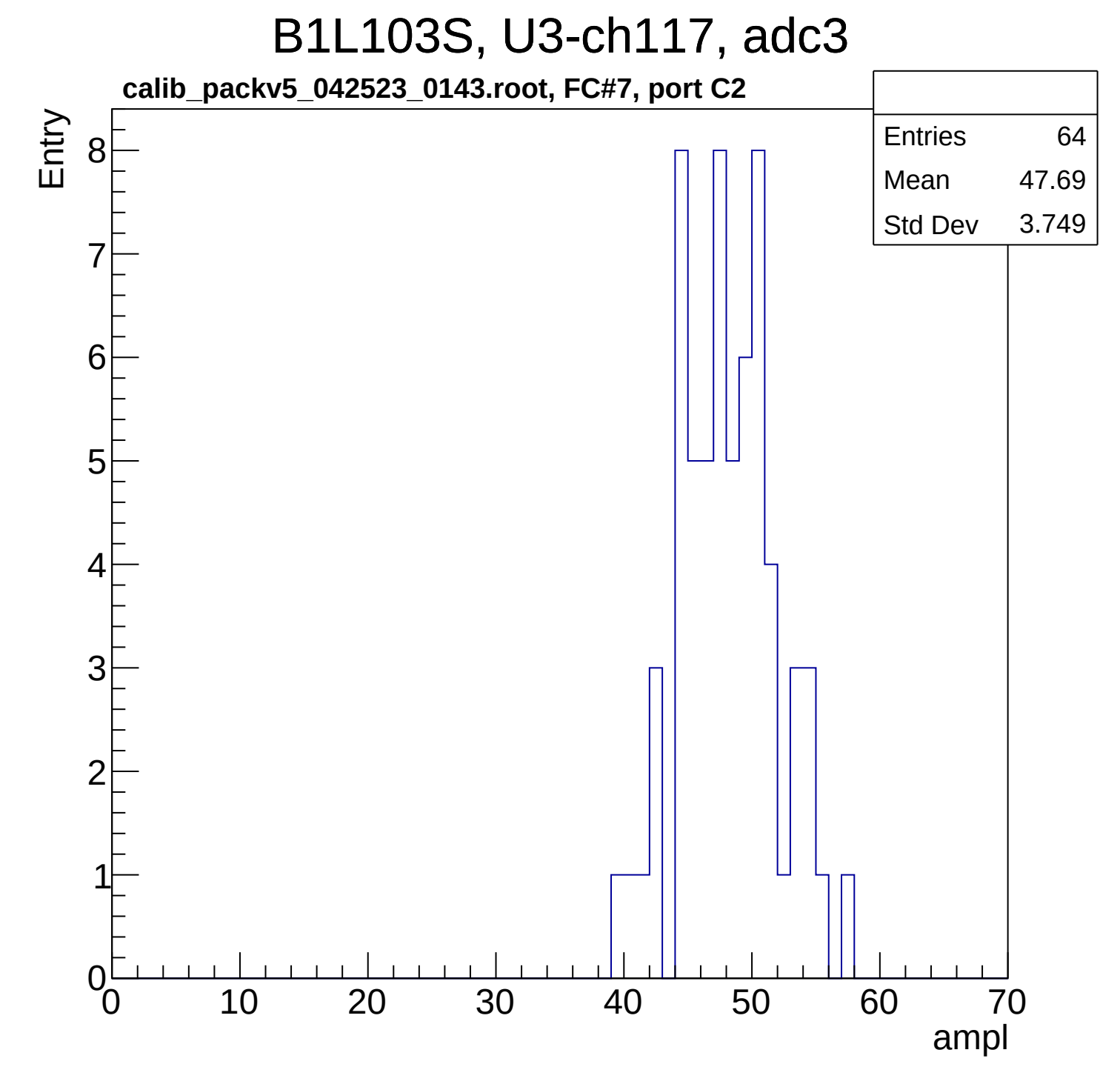
B1L103S, U3-ch117, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 64
Mean 47.69
Std Dev 3.749
Entry
ampl
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2
3
4
5
6
7
8
0
10
20
30
40
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60
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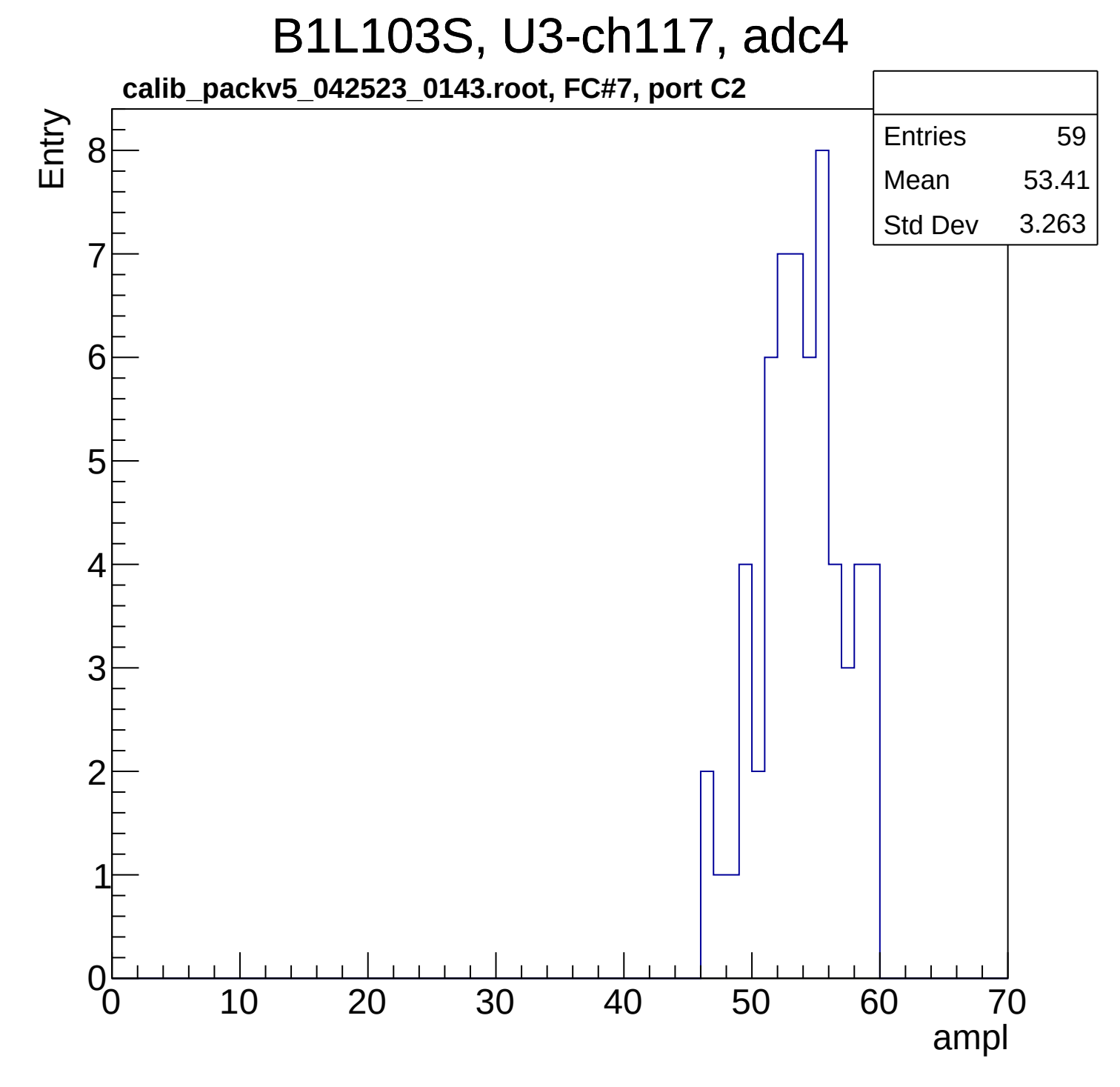
B1L103S, U3-ch117, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 53.41
Std Dev 3.263
Entry
ampl
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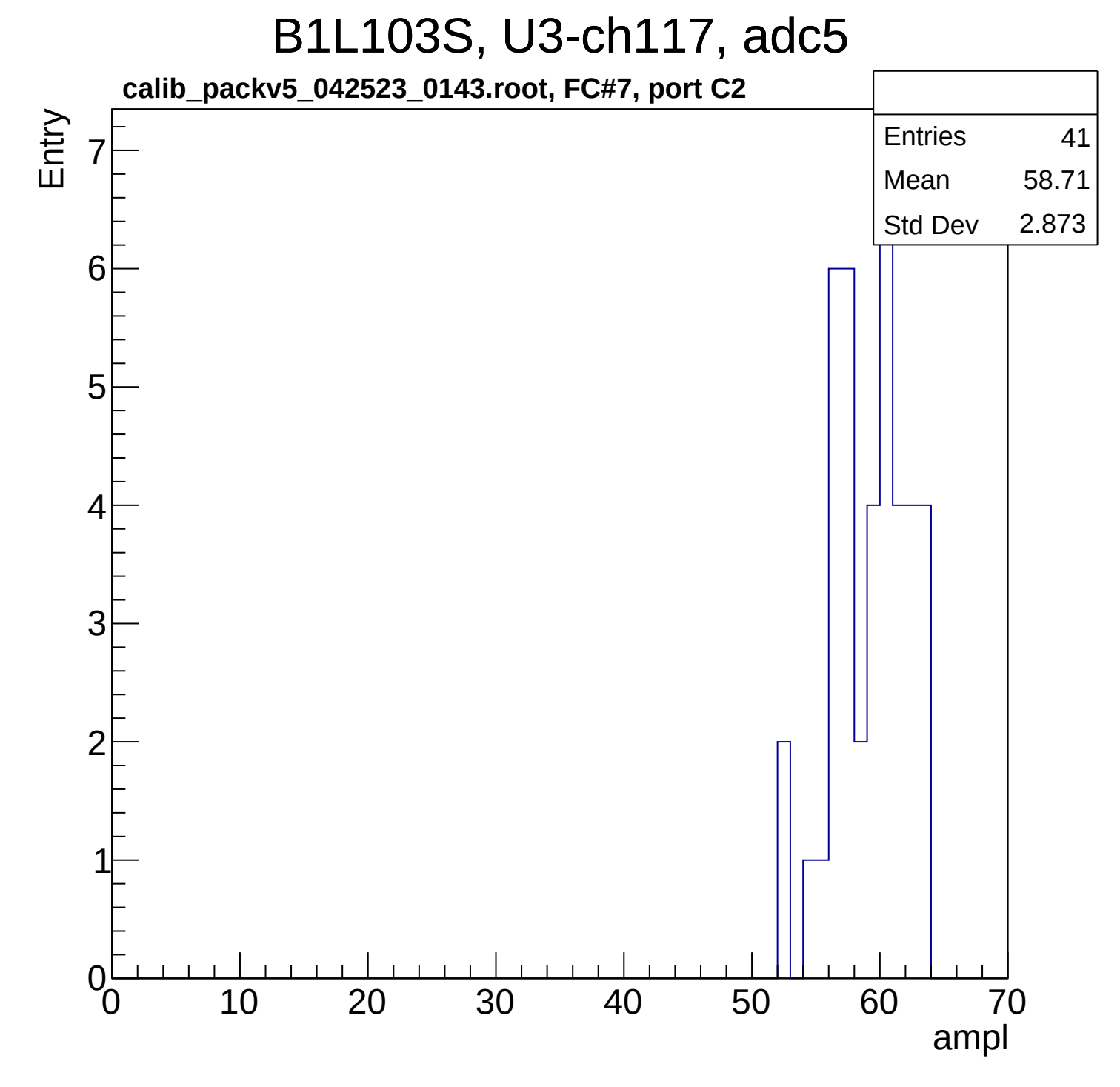
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch117, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 41
Mean 58.71
Std Dev 2.873
Entry
ampl
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1
2
3
4
5
6
7
0
10
20
30
40
50
60
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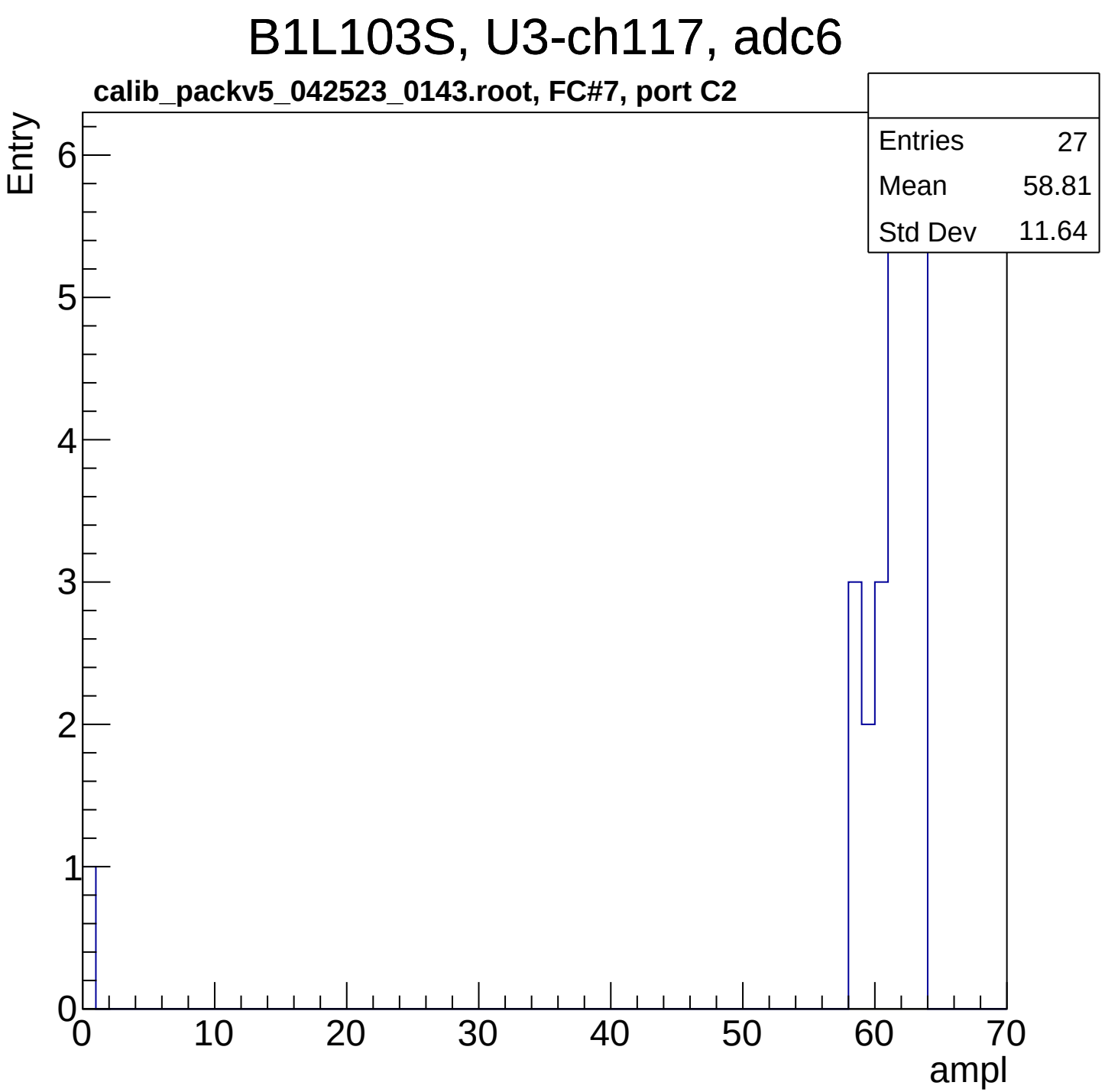
B1L103S, U3-ch117, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 27
Mean 58.81
Std Dev 11.64
Entry
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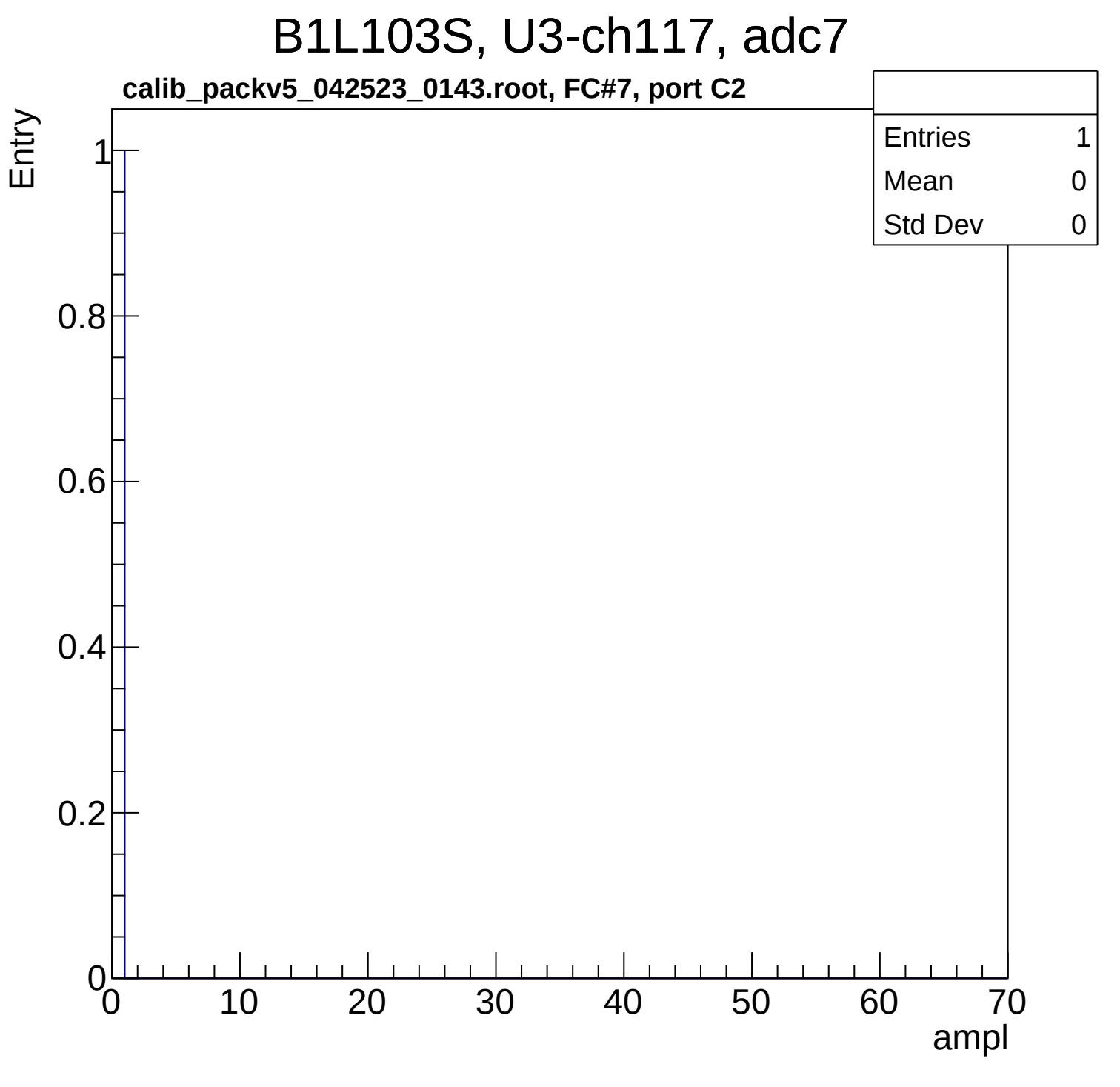
1
2
3
4
5
6
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch117, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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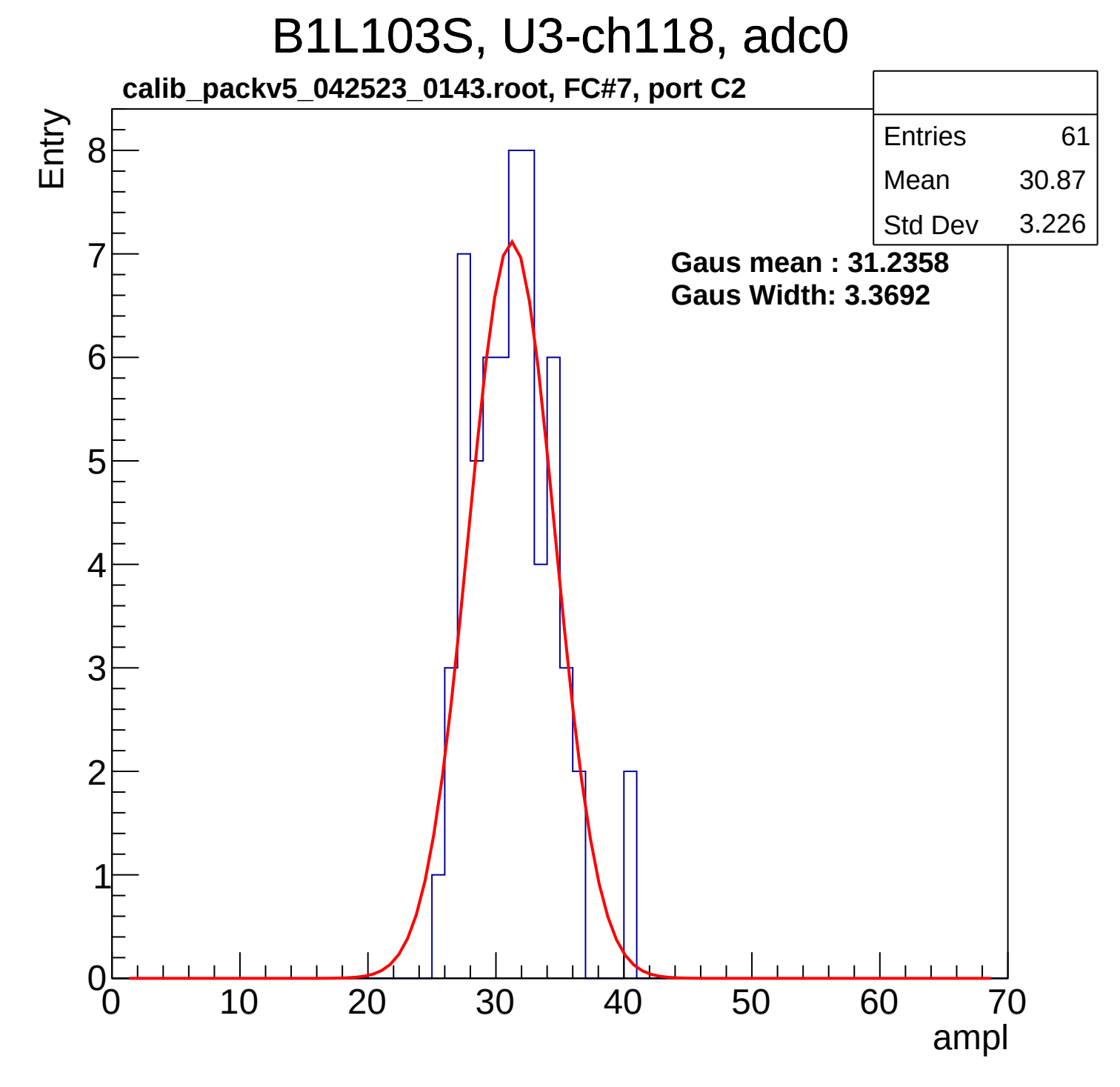
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch118, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 30.87
Std Dev 3.226
Gaus mean : 31.2358
Gaus Width: 3.3692
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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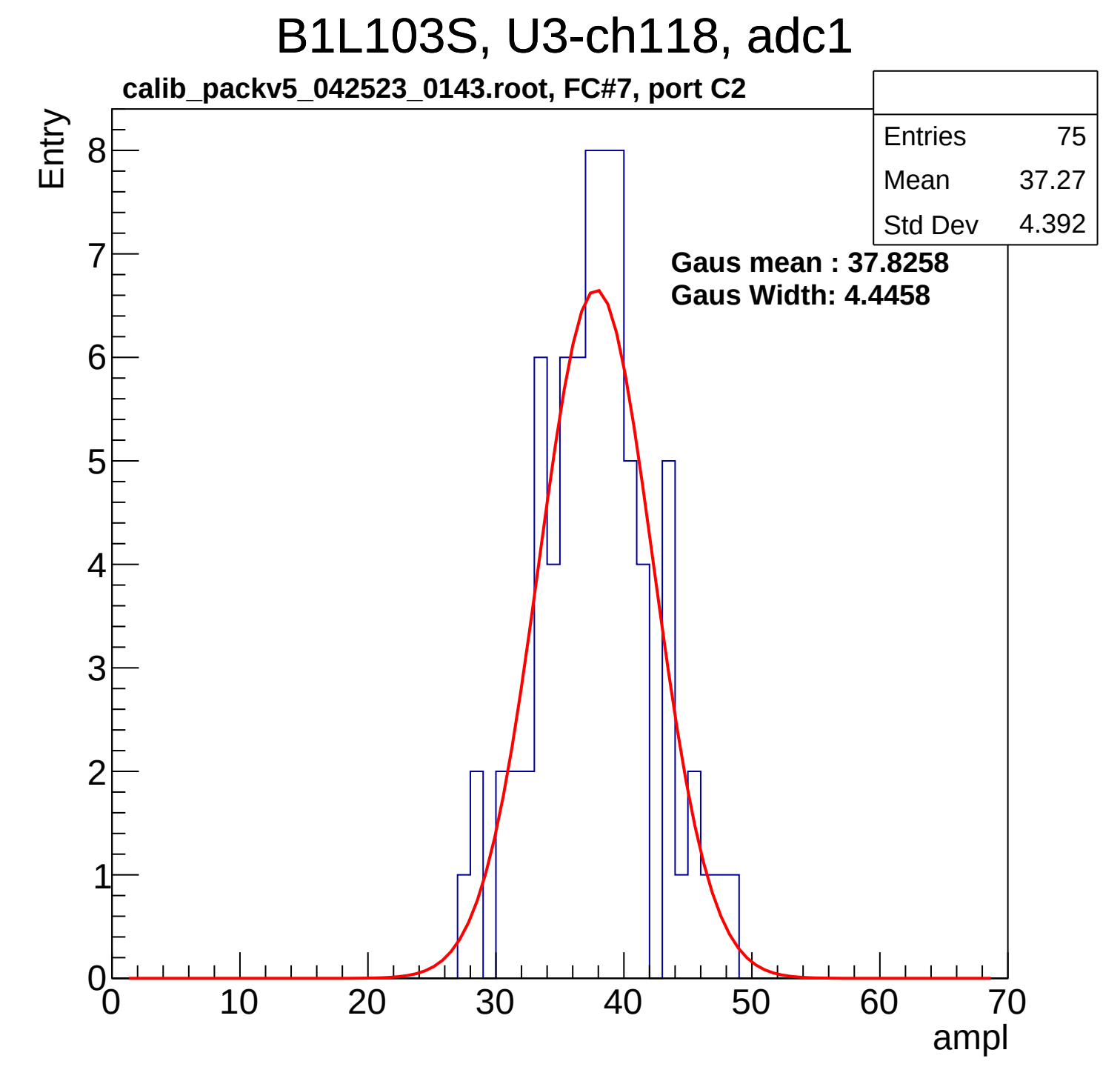
40
50
60
70


B1L103S, U3-ch118, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 37.27
Std Dev 4.392
Gaus mean : 37.8258
Gaus Width: 4.4458
Entry
ampl
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4
5
6
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0
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20
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60
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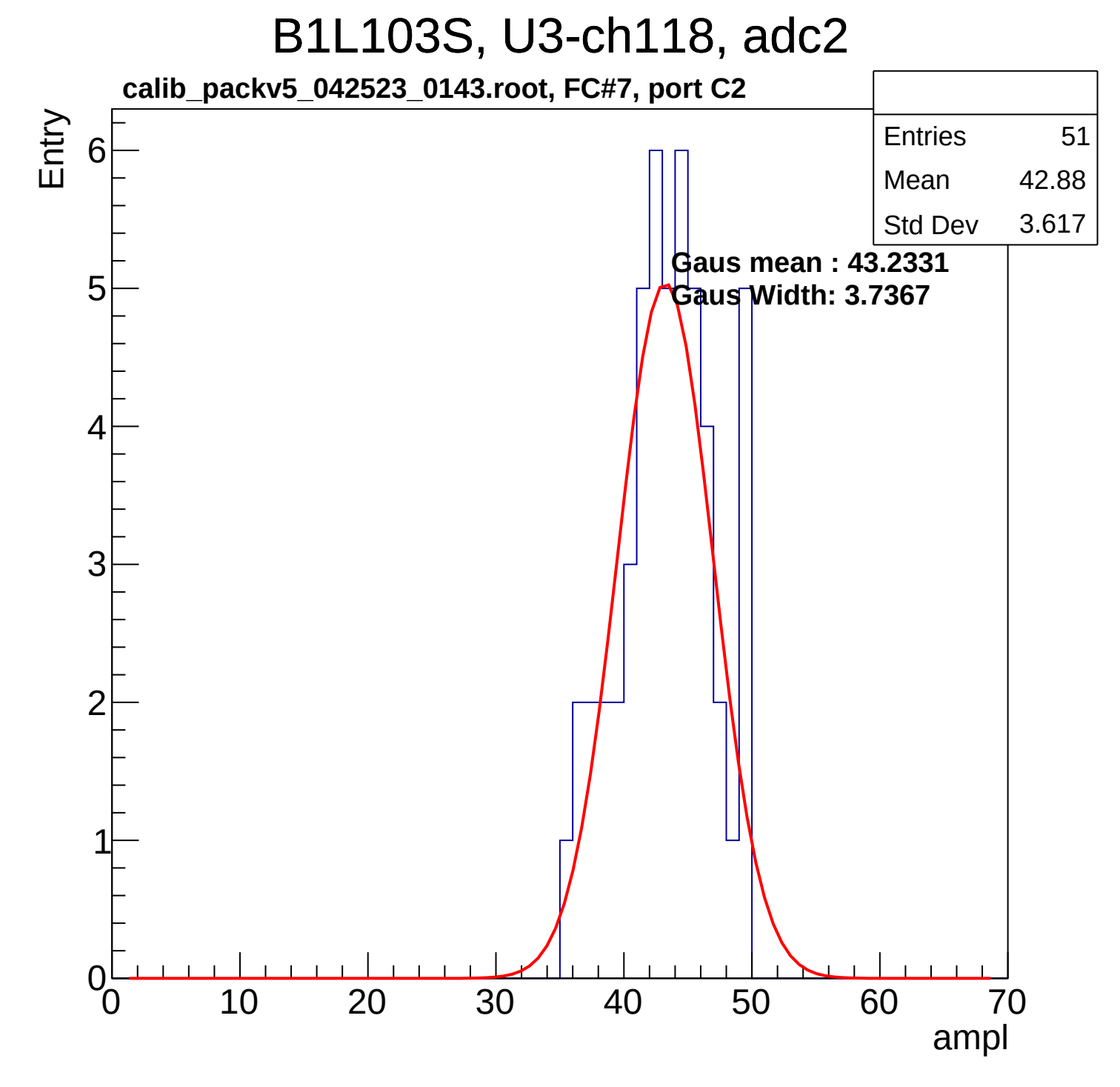
B1L103S, U3-ch118, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 42.88
Std Dev 3.617
Gaus mean : 43.2331
Gaus Width: 3.7367
Entry
ampl
0
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3
4
5
6
0
10
20
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40
50
60
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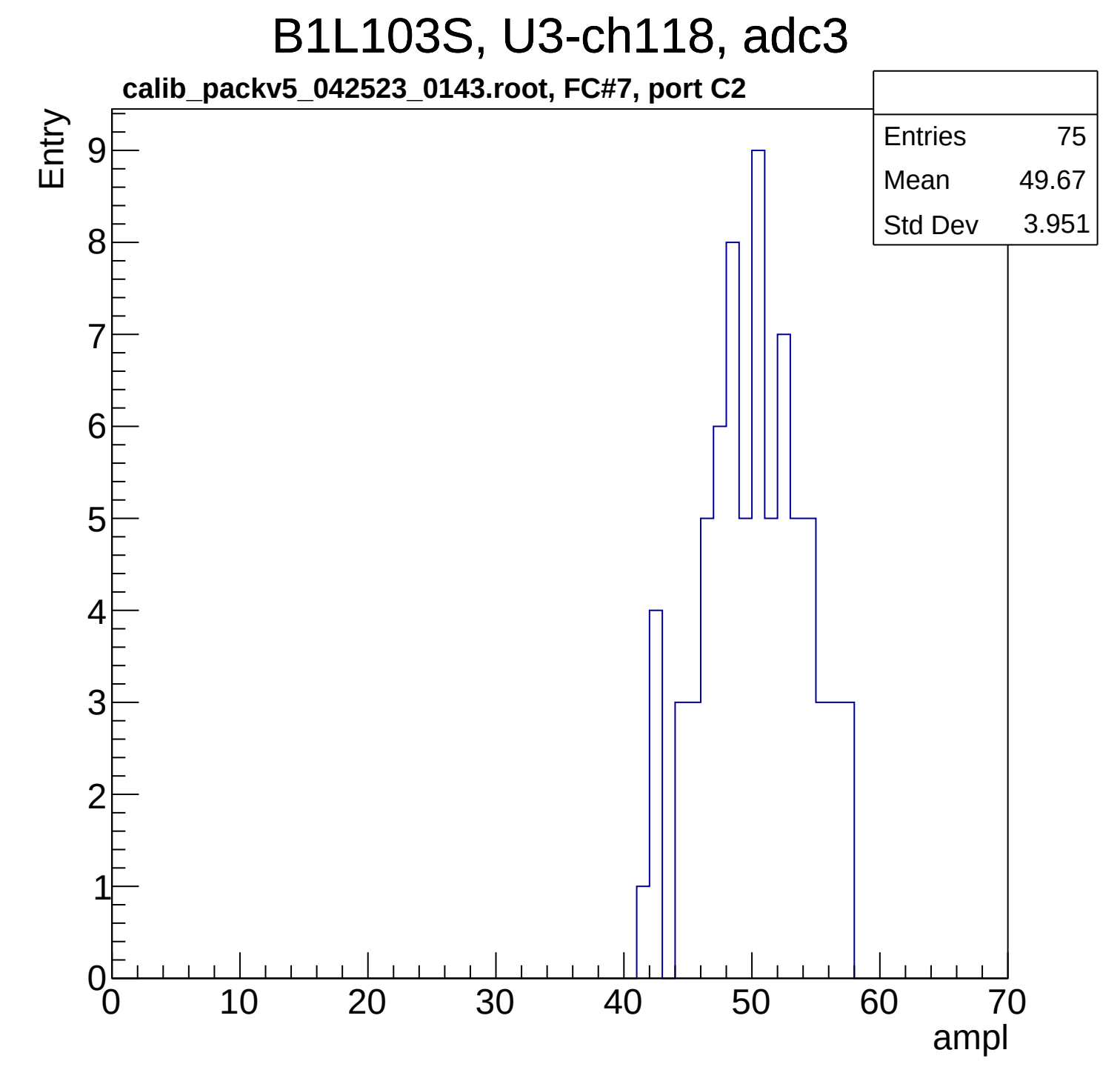
B1L103S, U3-ch118, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 49.67
Std Dev 3.951
Entry
ampl
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0
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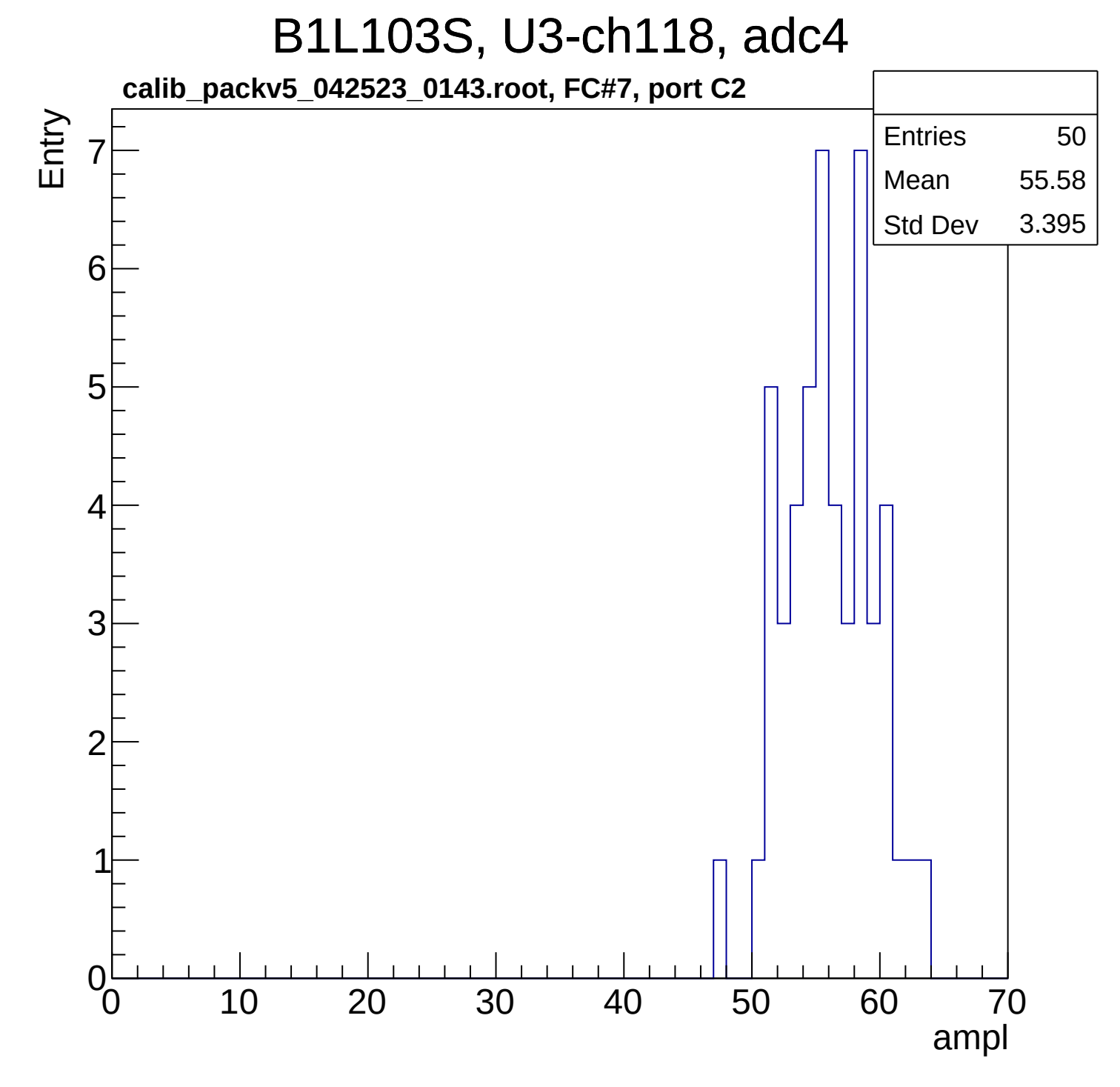
B1L103S, U3-ch118, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 50
Mean 55.58
Std Dev 3.395
Entry
ampl
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0
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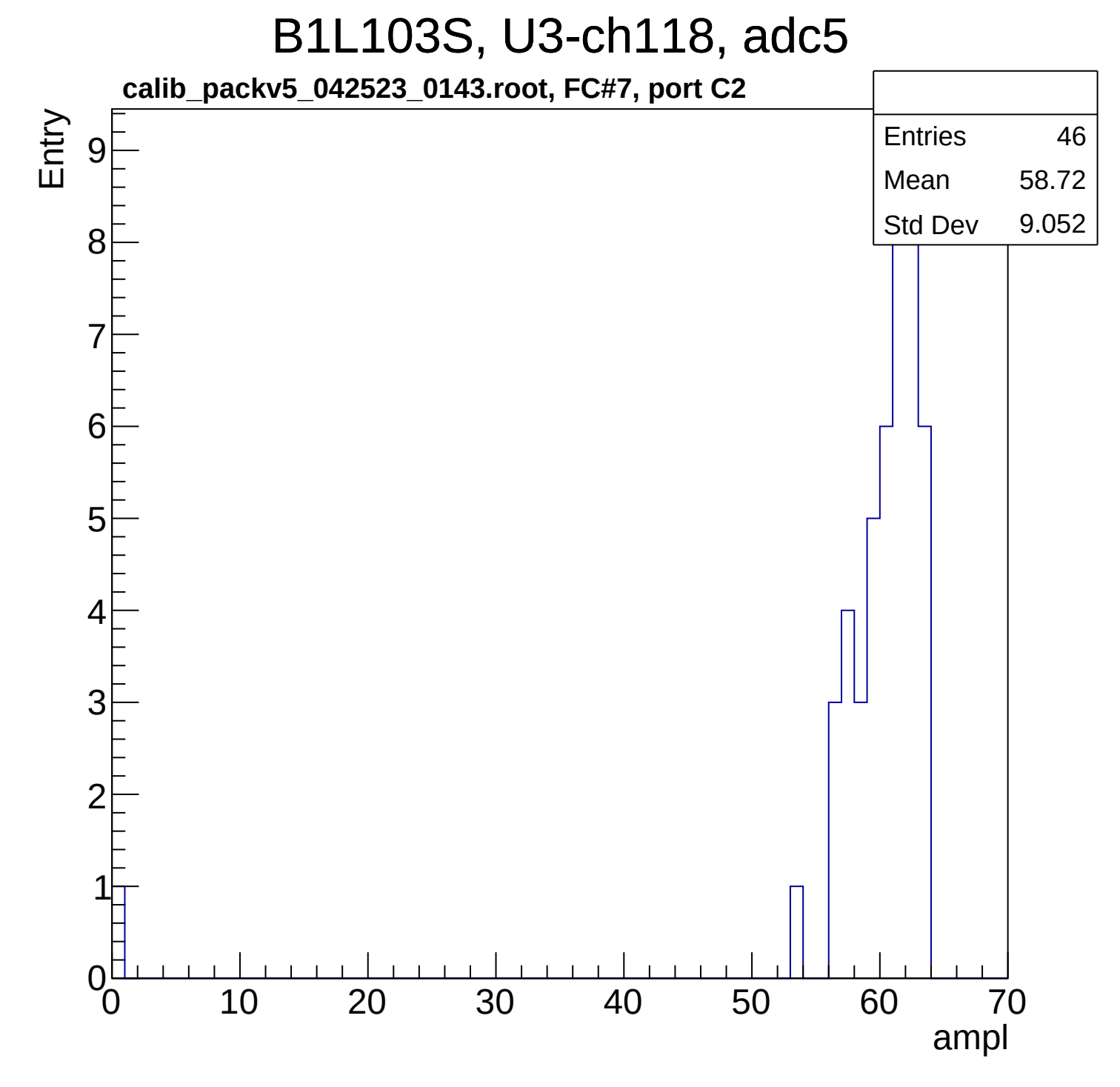
B1L103S, U3-ch118, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 58.72
Std Dev 9.052
Entry
ampl
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7
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0
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60
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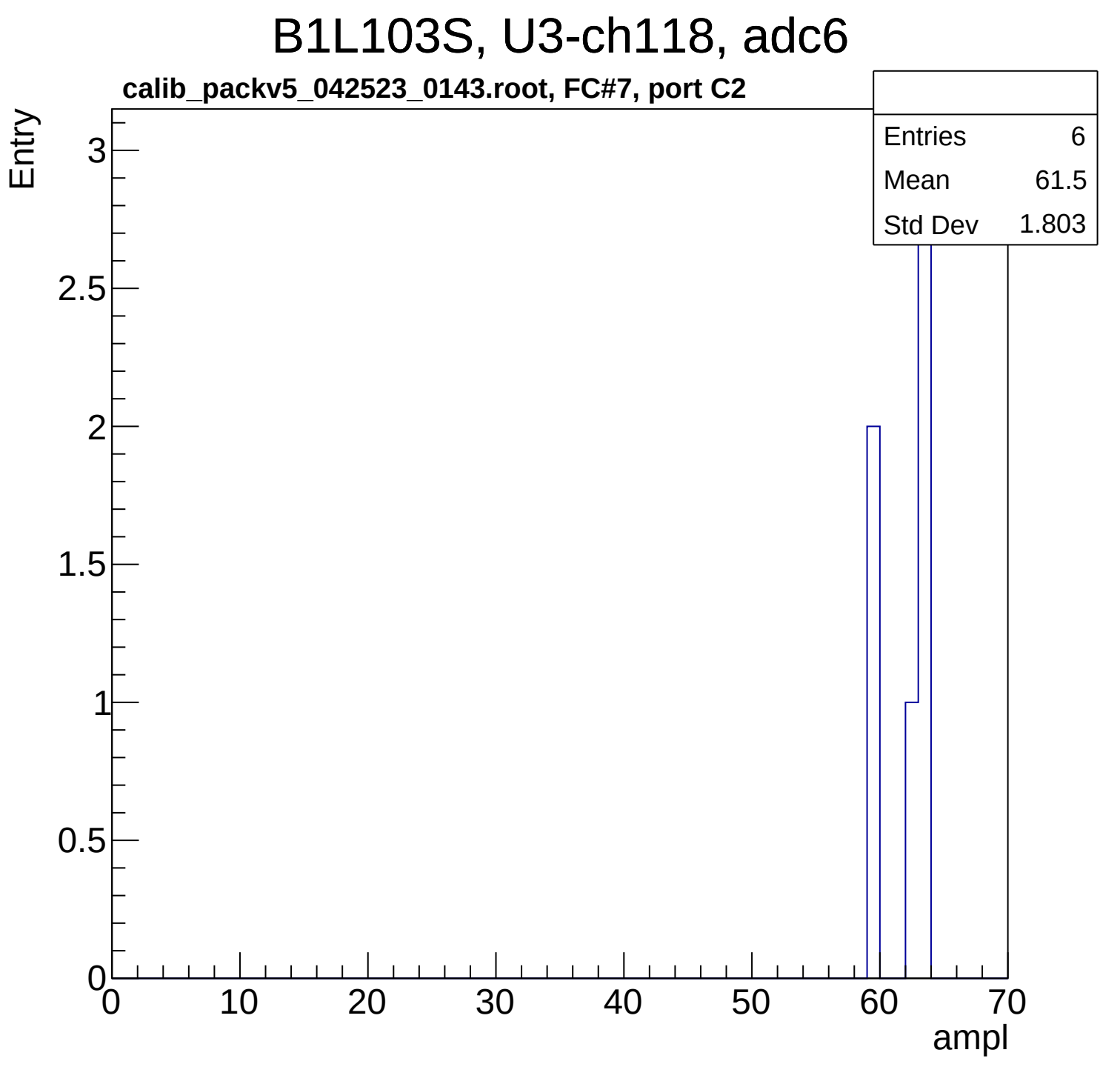
B1L103S, U3-ch118, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 61.5
Std Dev 1.803
Entry
ampl
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1
1.5
2
2.5
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0
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20
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40
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60
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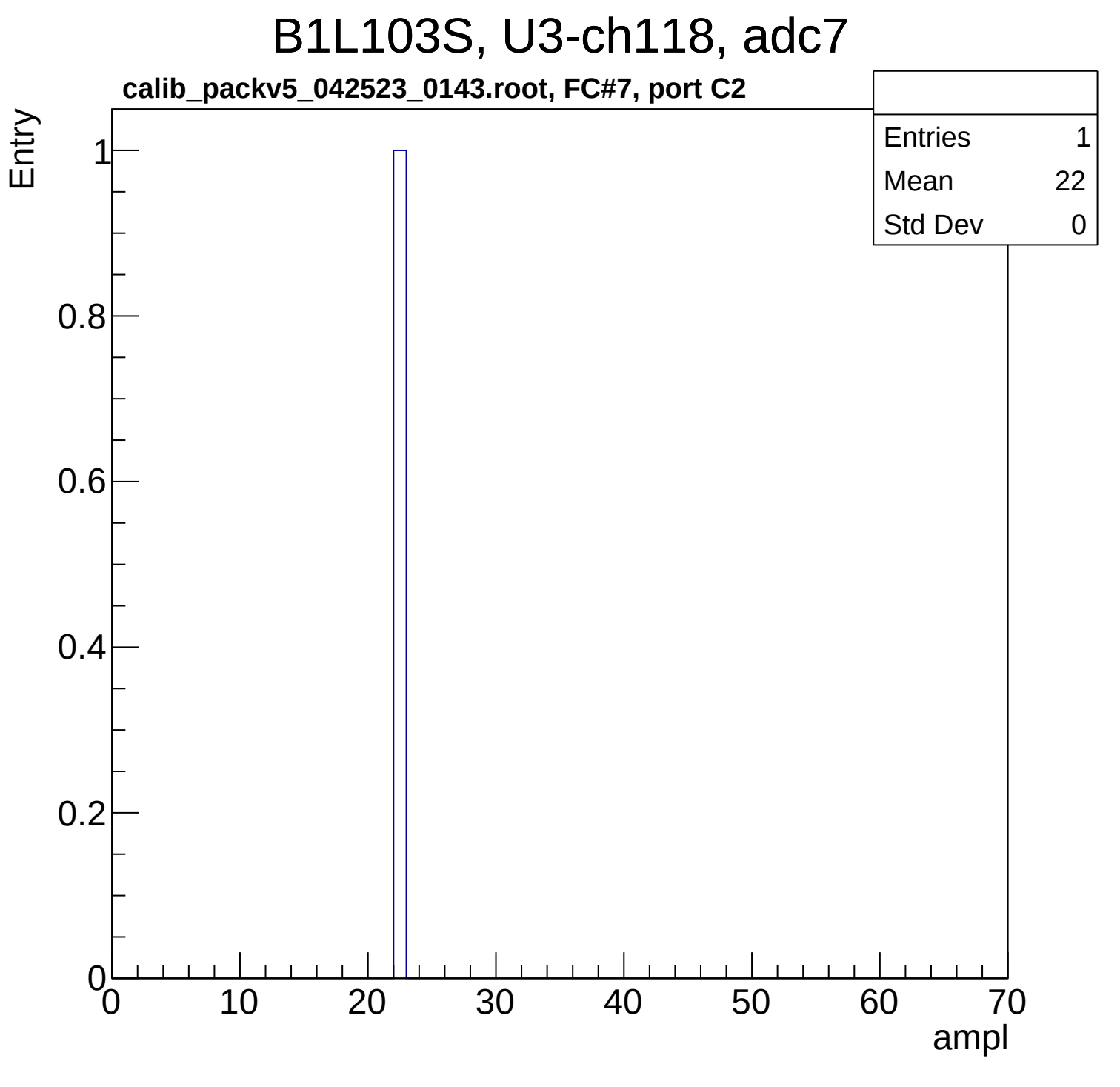
B1L103S, U3-ch118, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 22
Std Dev 0
Entry
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0.6
0.4
0.2
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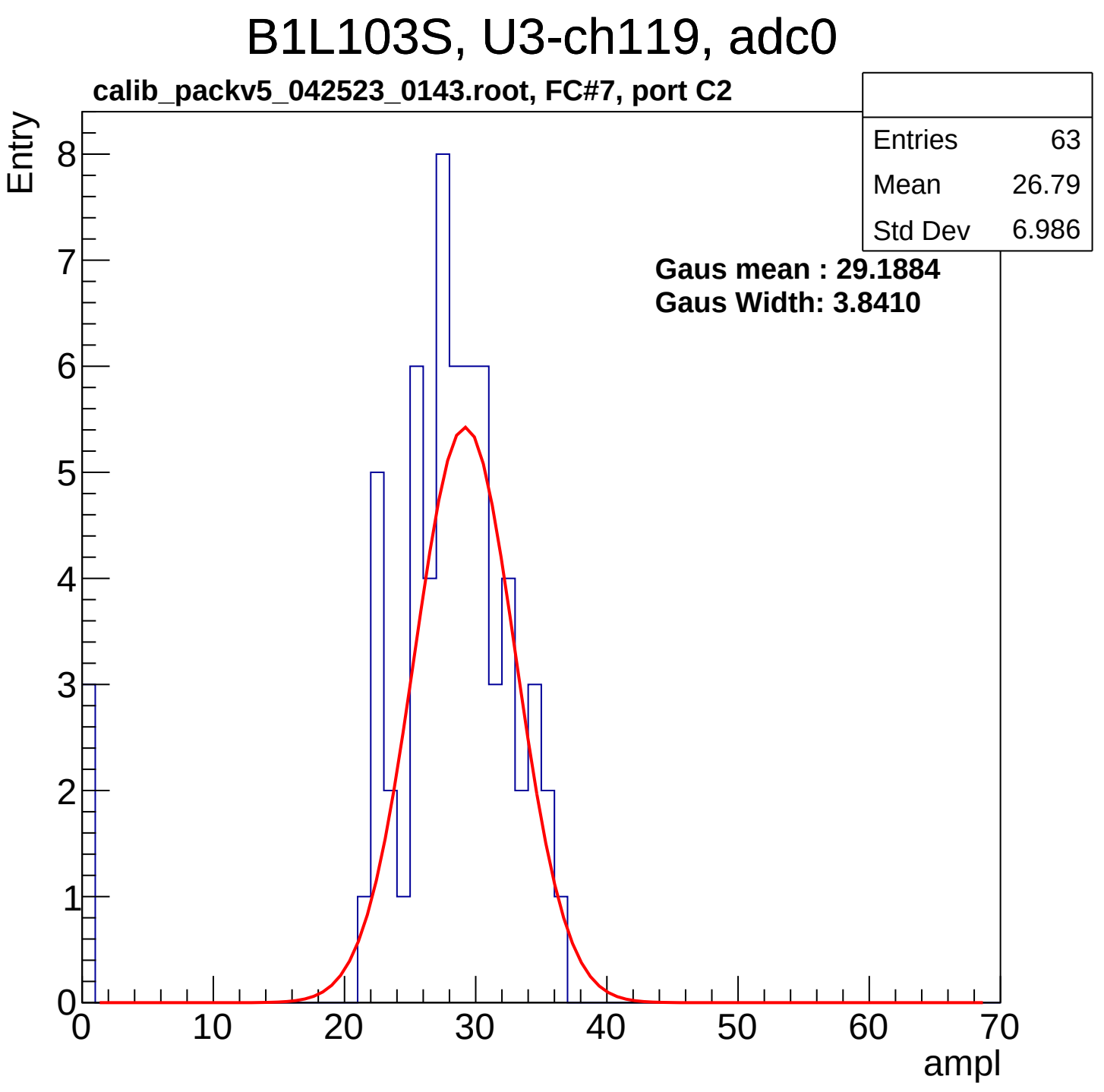
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch119, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 26.79
Std Dev 6.986
Gaus mean : 29.1884
Gaus Width: 3.8410
Entry
ampl
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2
3
4
5
6
7
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0
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60
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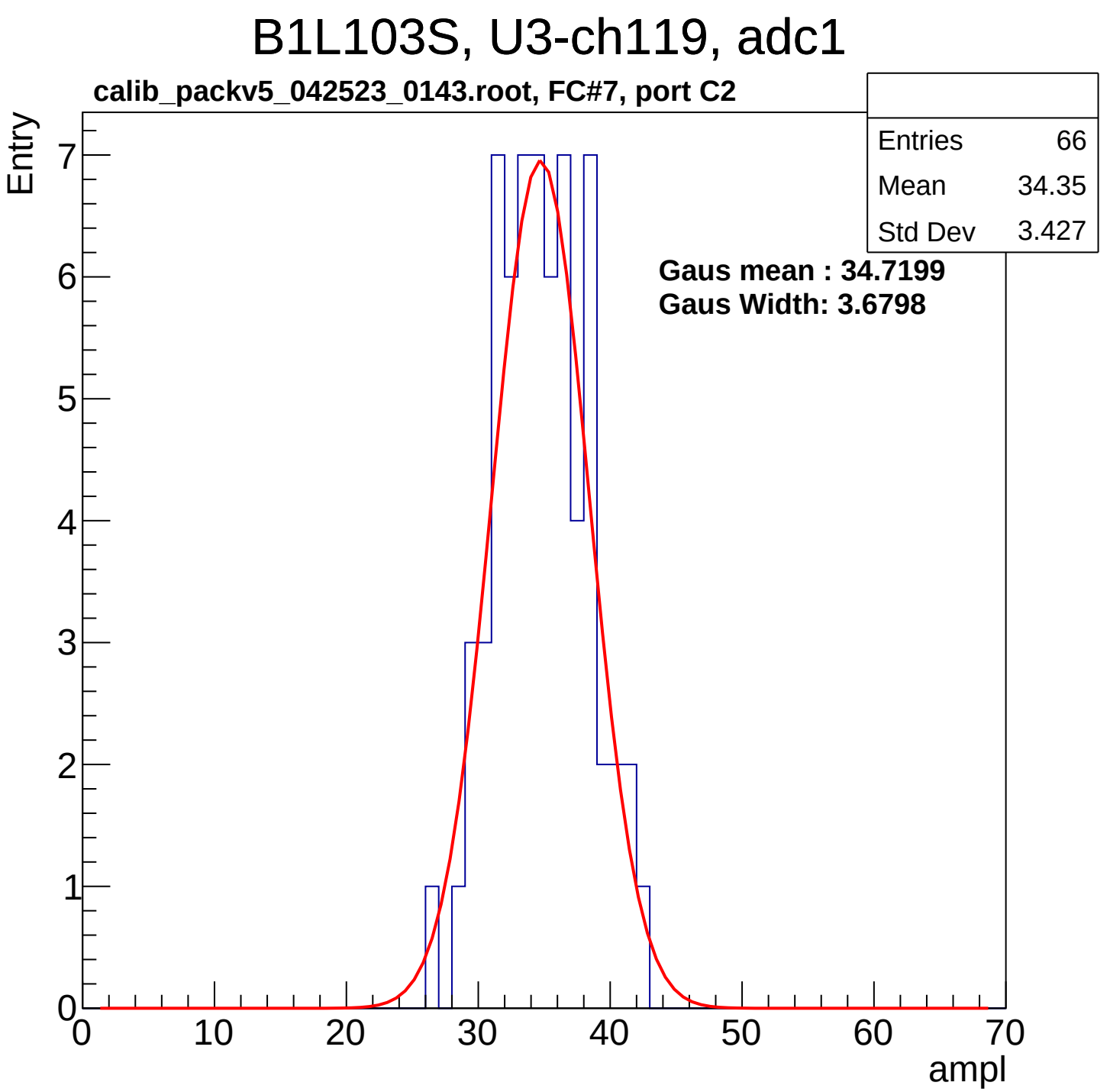
B1L103S, U3-ch119, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 34.35
Std Dev 3.427
Gaus mean : 34.7199
Gaus Width: 3.6798
Entry
ampl
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2
3
4
5
6
7
0
10
20
30
40
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60
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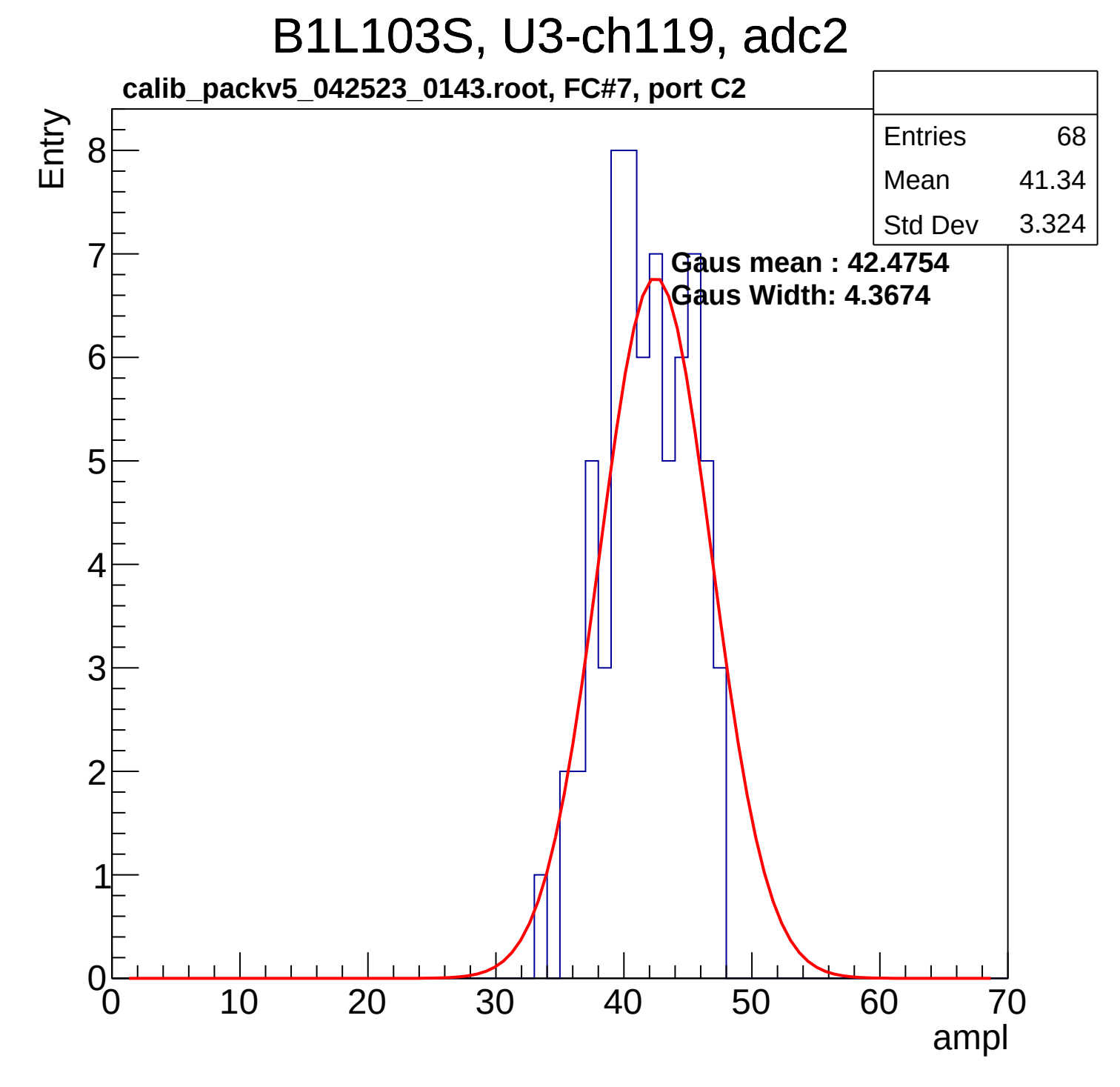
B1L103S, U3-ch119, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 41.34
Std Dev 3.324
Gaus mean : 42.4754
Gaus Width: 4.3674
Entry
ampl
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3
4
5
6
7
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0
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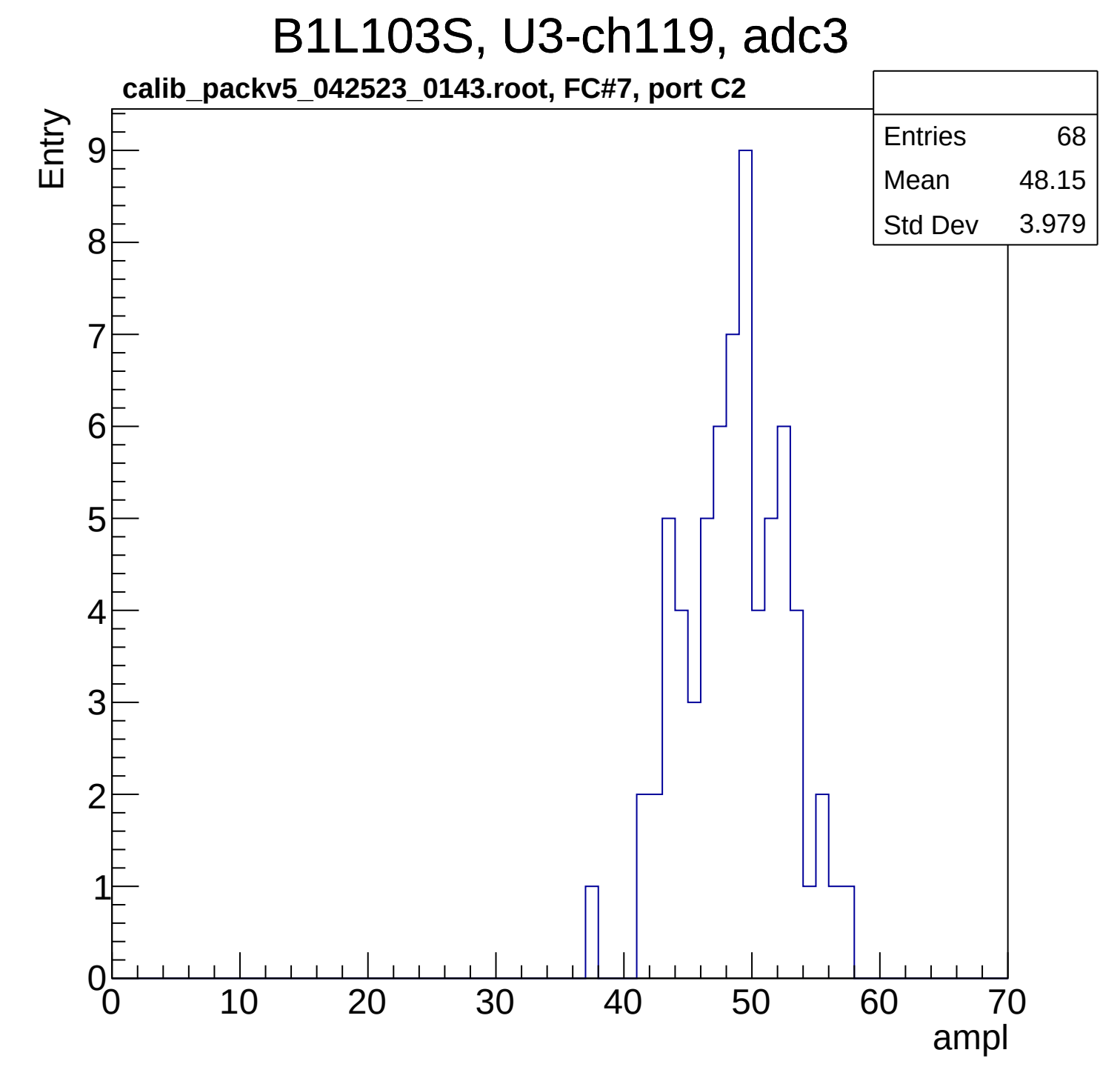
B1L103S, U3-ch119, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 68
Mean 48.15
Std Dev 3.979
Entry
ampl
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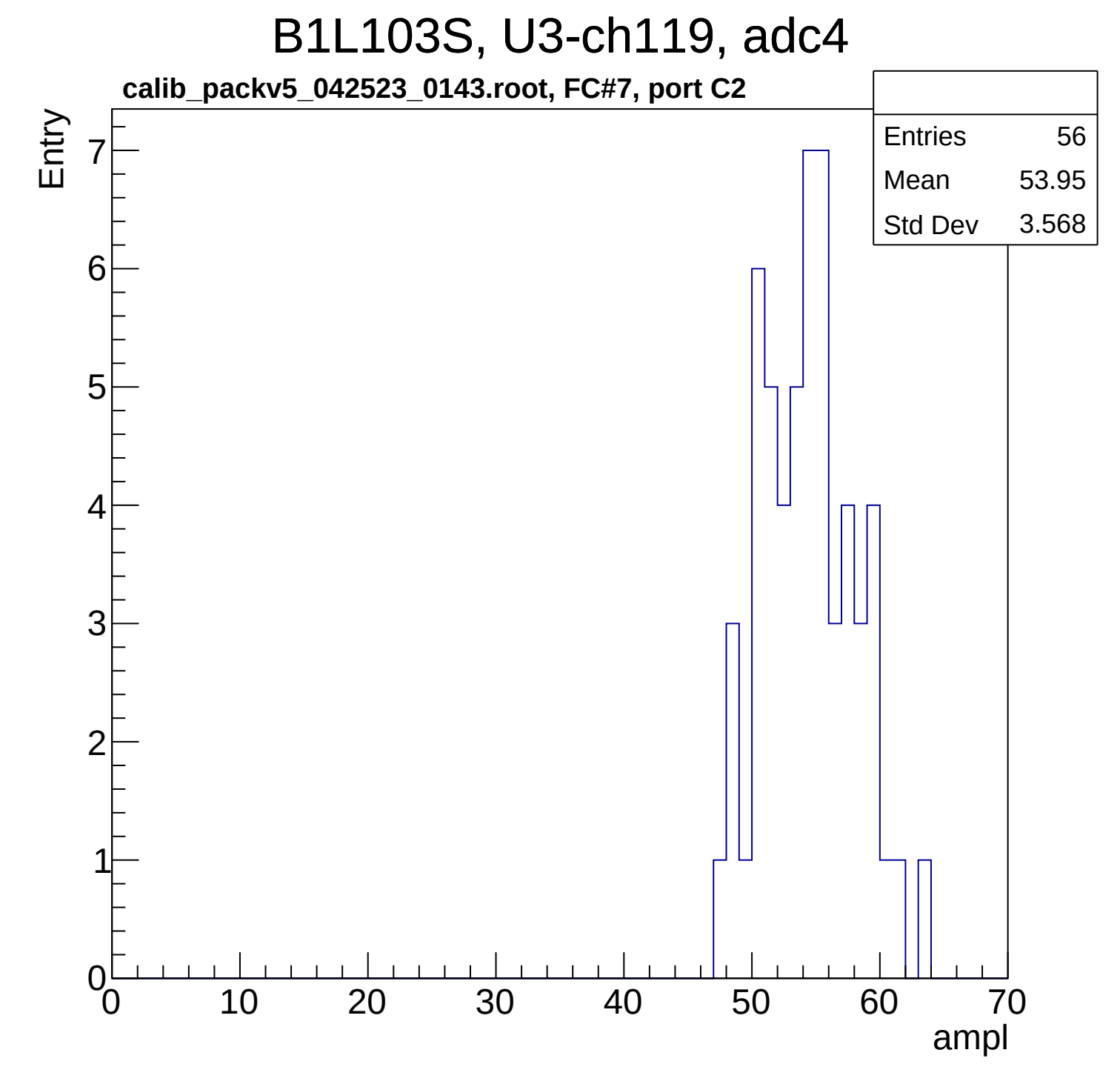
B1L103S, U3-ch119, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 56
Mean 53.95
Std Dev 3.568
Entry
ampl
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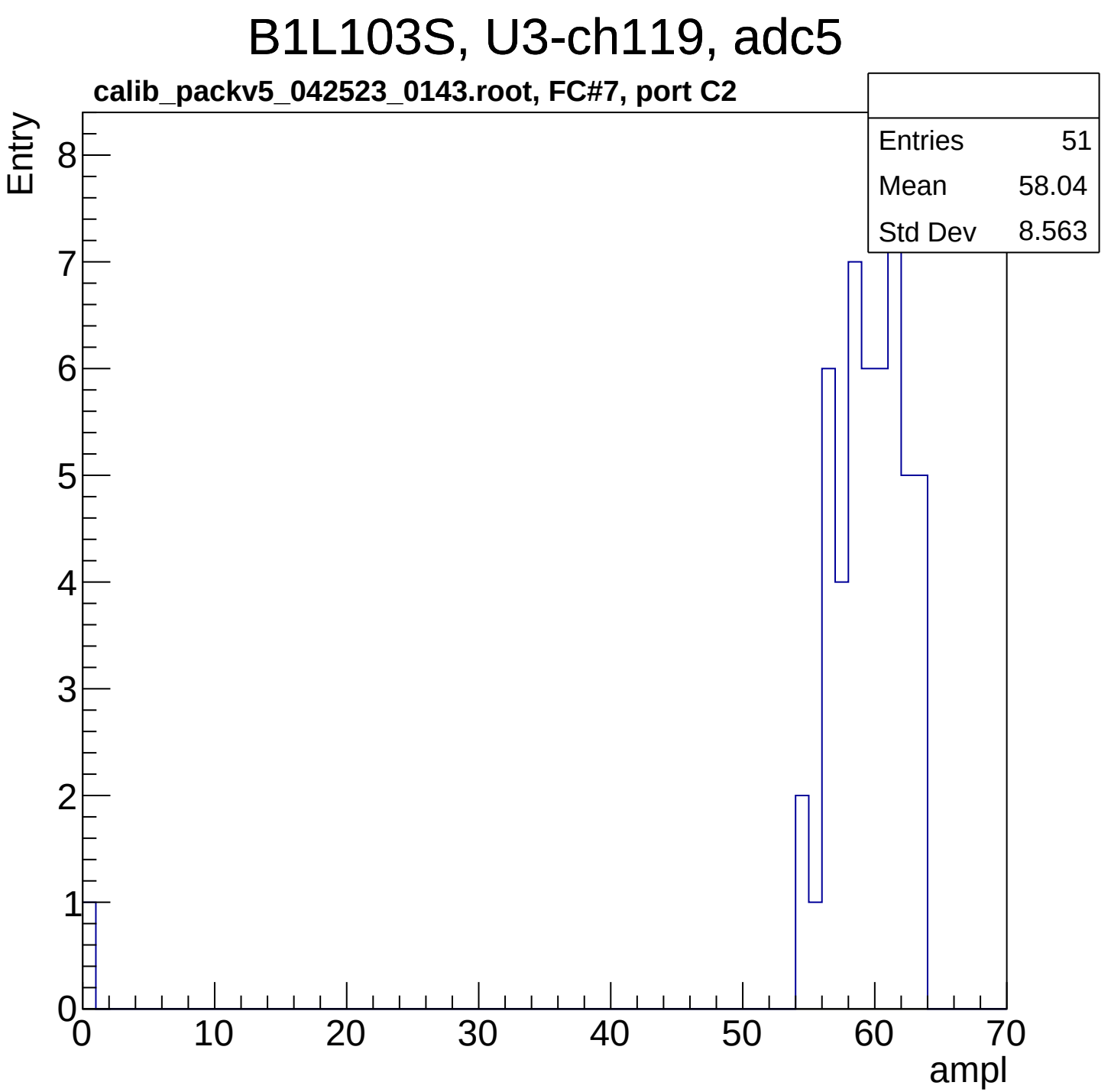
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch119, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 51
Mean 58.04
Std Dev 8.563
Entry
0
1
2
3
4
5
6
7
8
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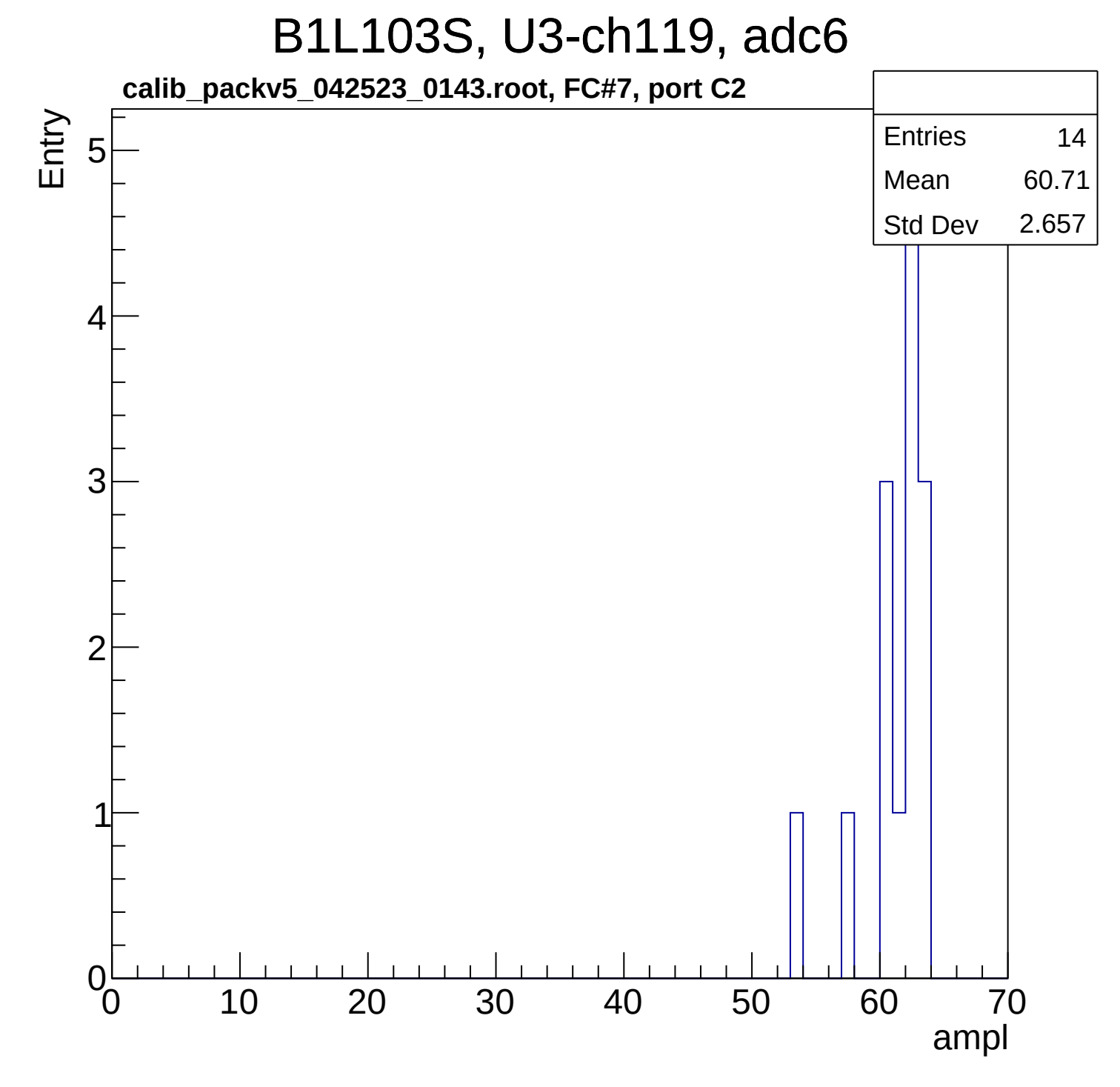
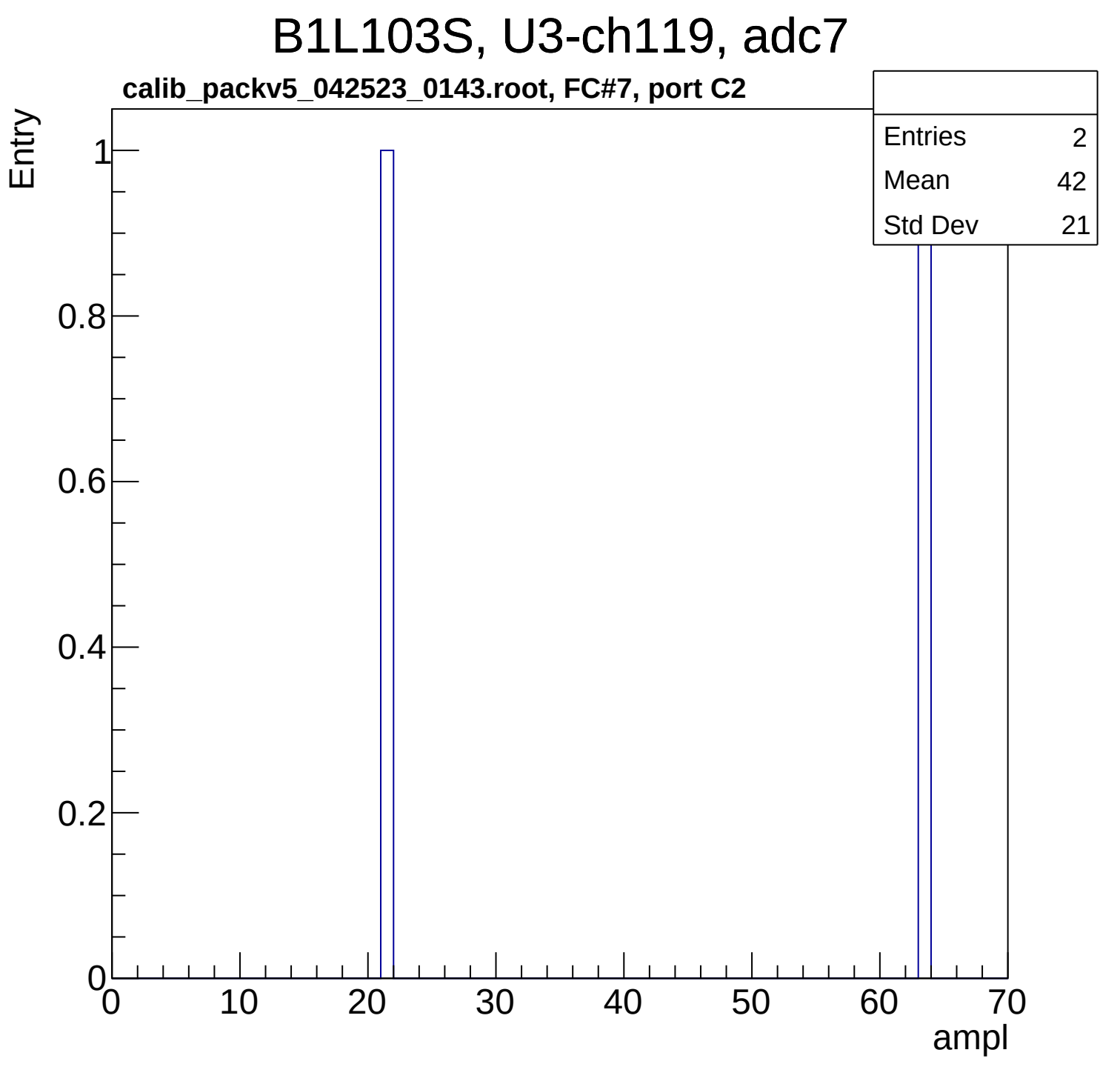
40
50
60
70
ampl


B1L103S, U3-ch119, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 14
Mean 60.71
Std Dev 2.657
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B1L103S, U3-ch119, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 42
Std Dev 21
Entry
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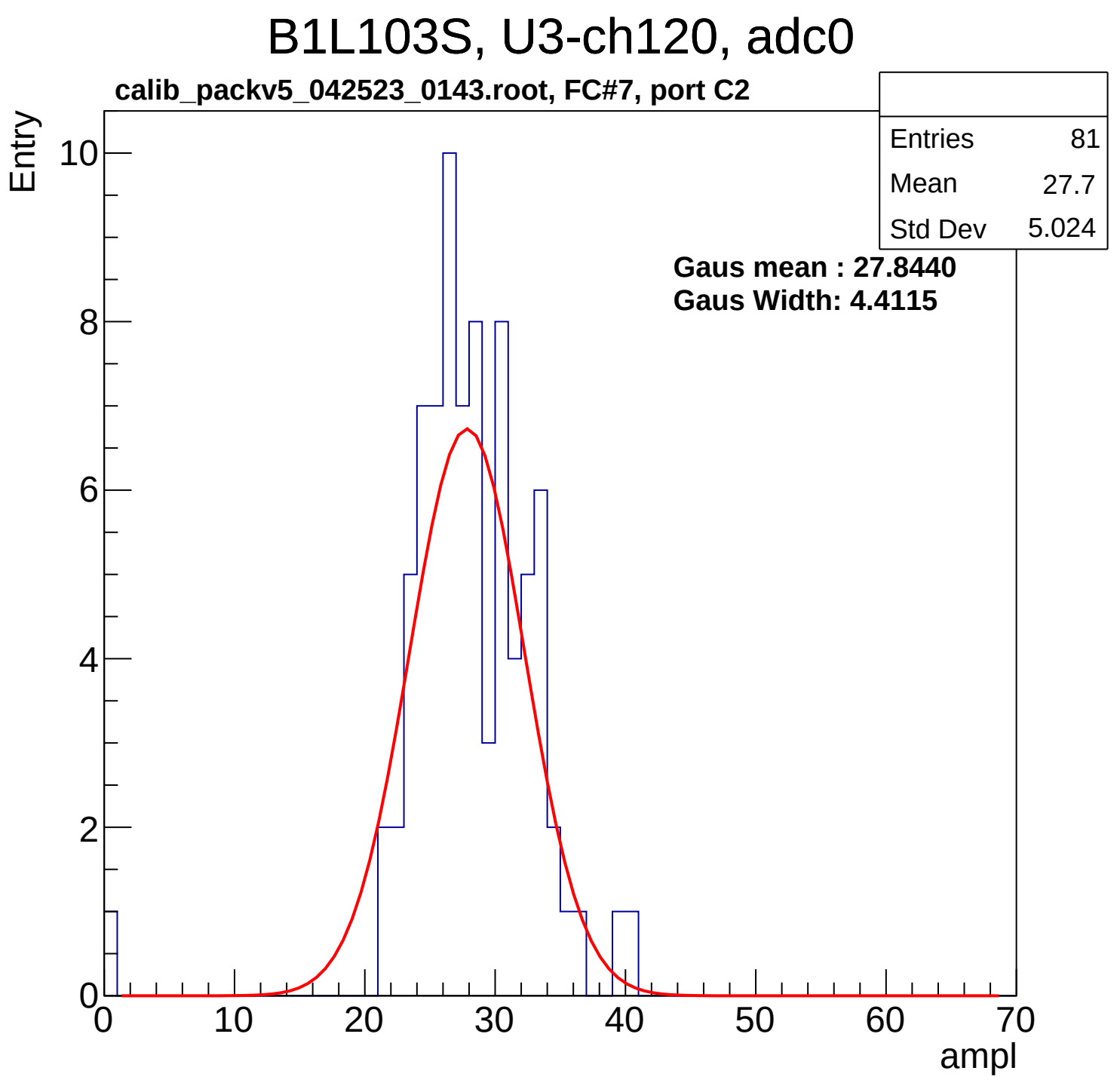
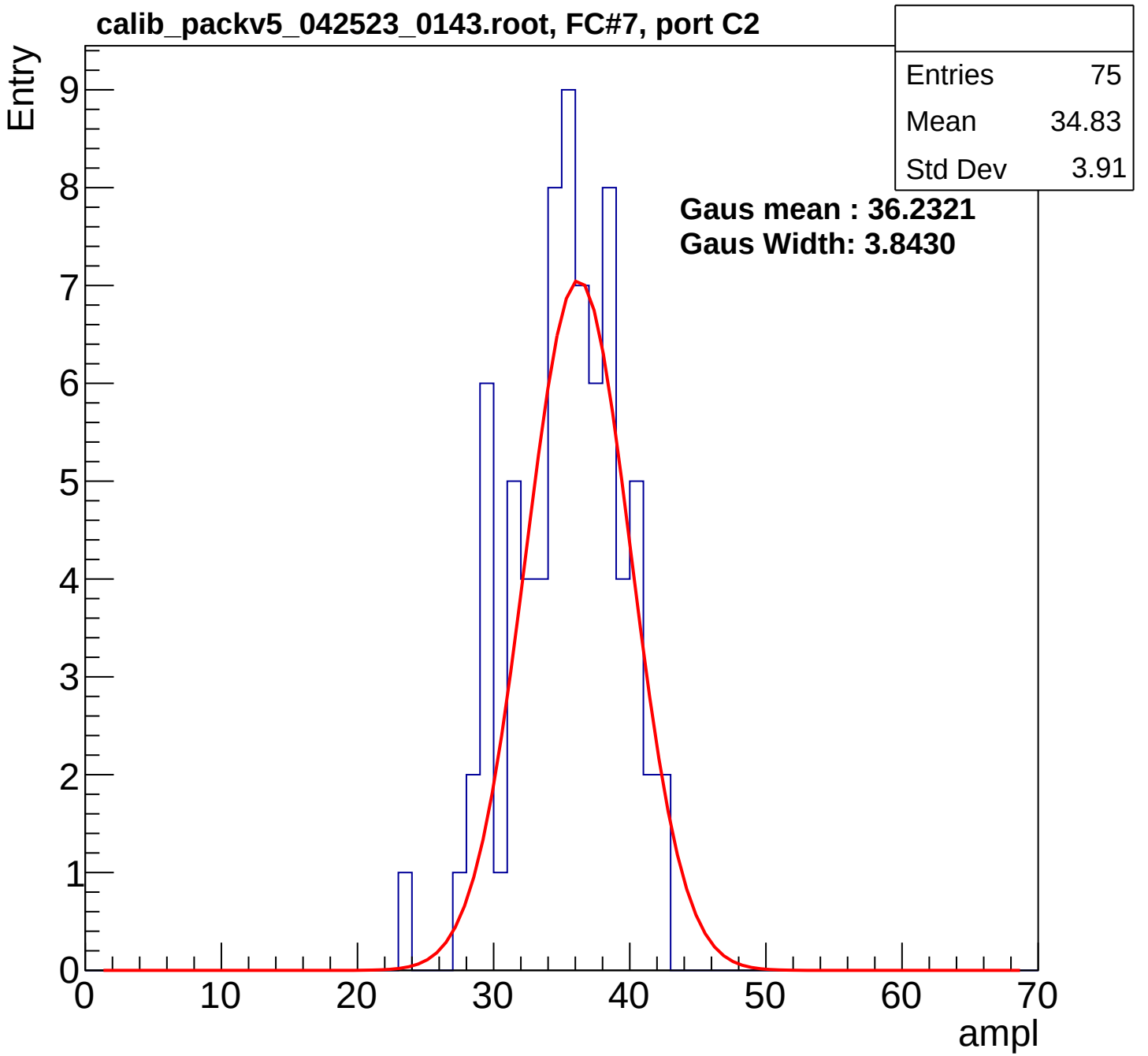
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch120, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 81
Mean 27.7
Std Dev 5.024
Gaus mean : 27.8440
Gaus Width: 4.4115
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch120, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 34.83
Std Dev 3.91
Gaus mean : 36.2321
Gaus Width: 3.8430
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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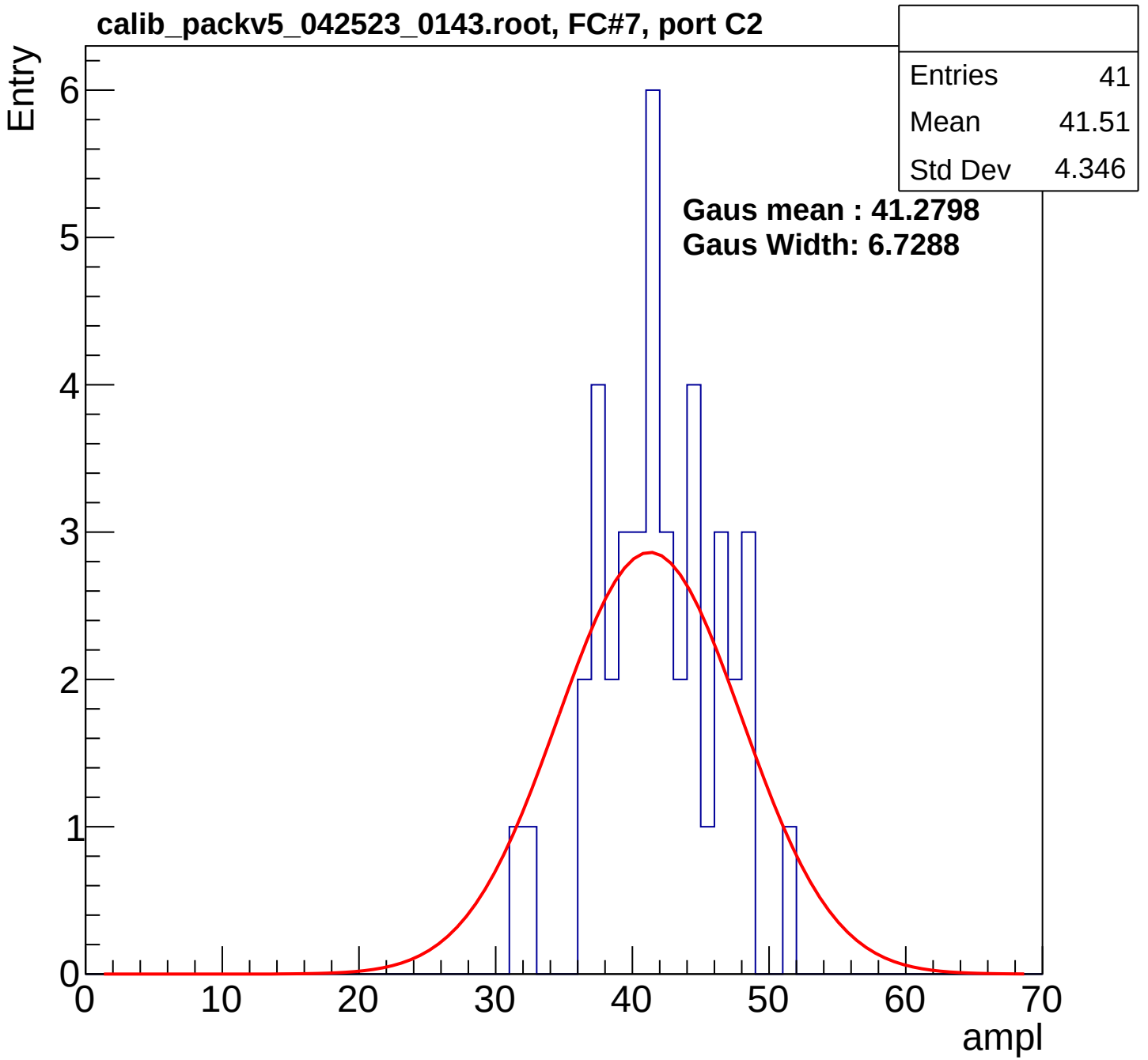
B1L103S, U3-ch120, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 41
Mean 41.51
Std Dev 4.346
Gaus mean : 41.2798
Gaus Width: 6.7288
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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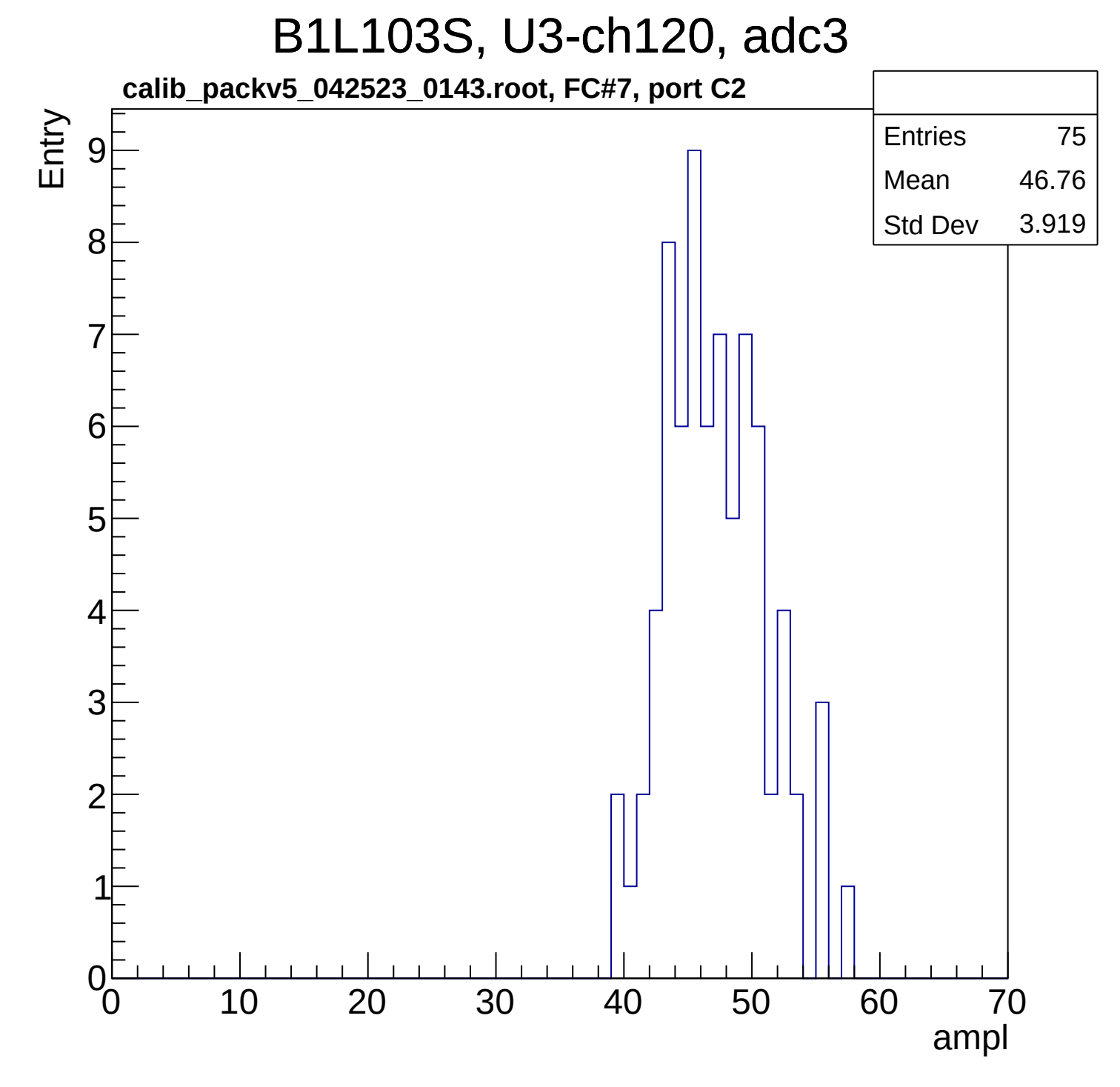
B1L103S, U3-ch120, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 46.76
Std Dev 3.919
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
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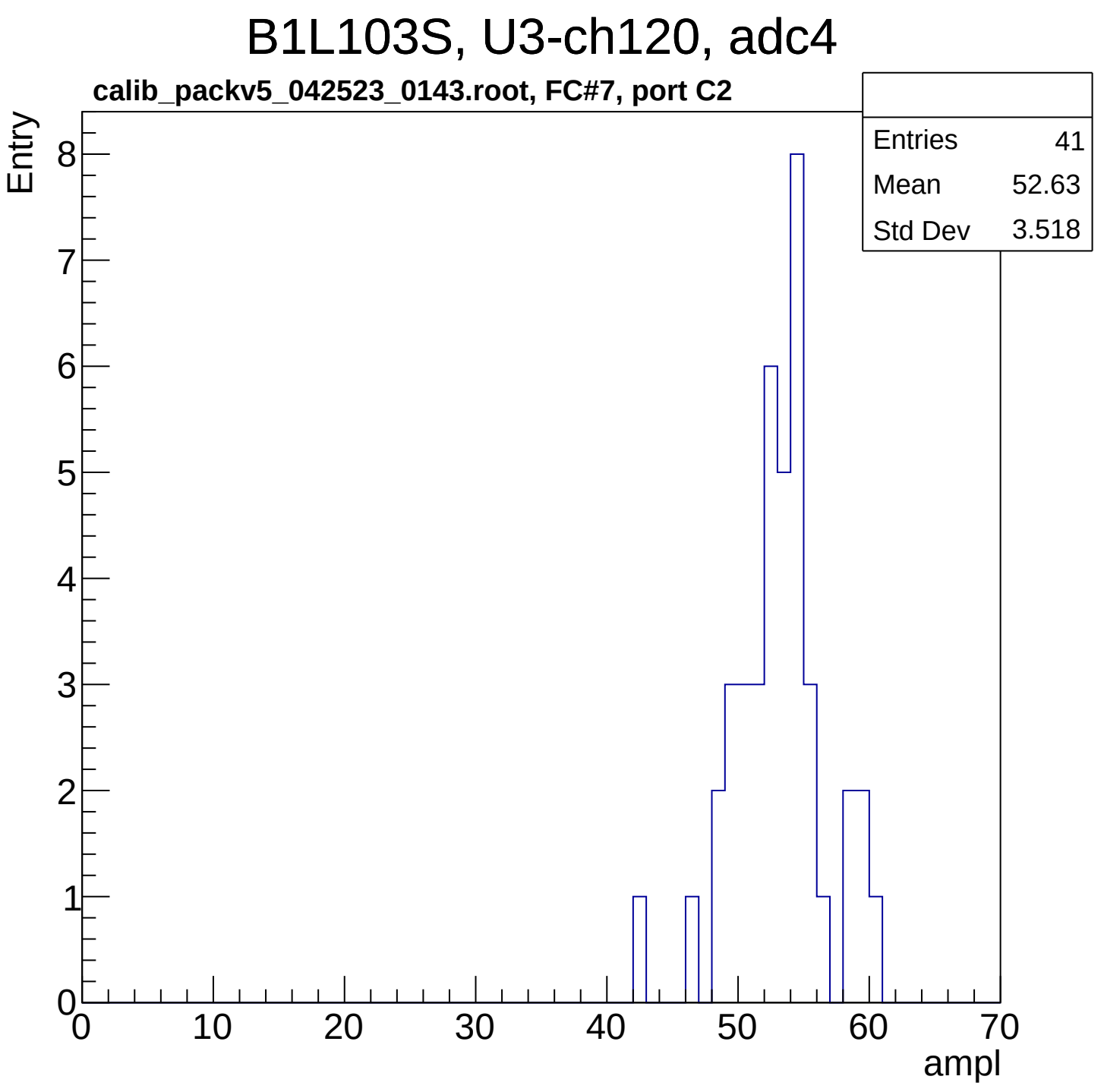
B1L103S, U3-ch120, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 41
Mean 52.63
Std Dev 3.518
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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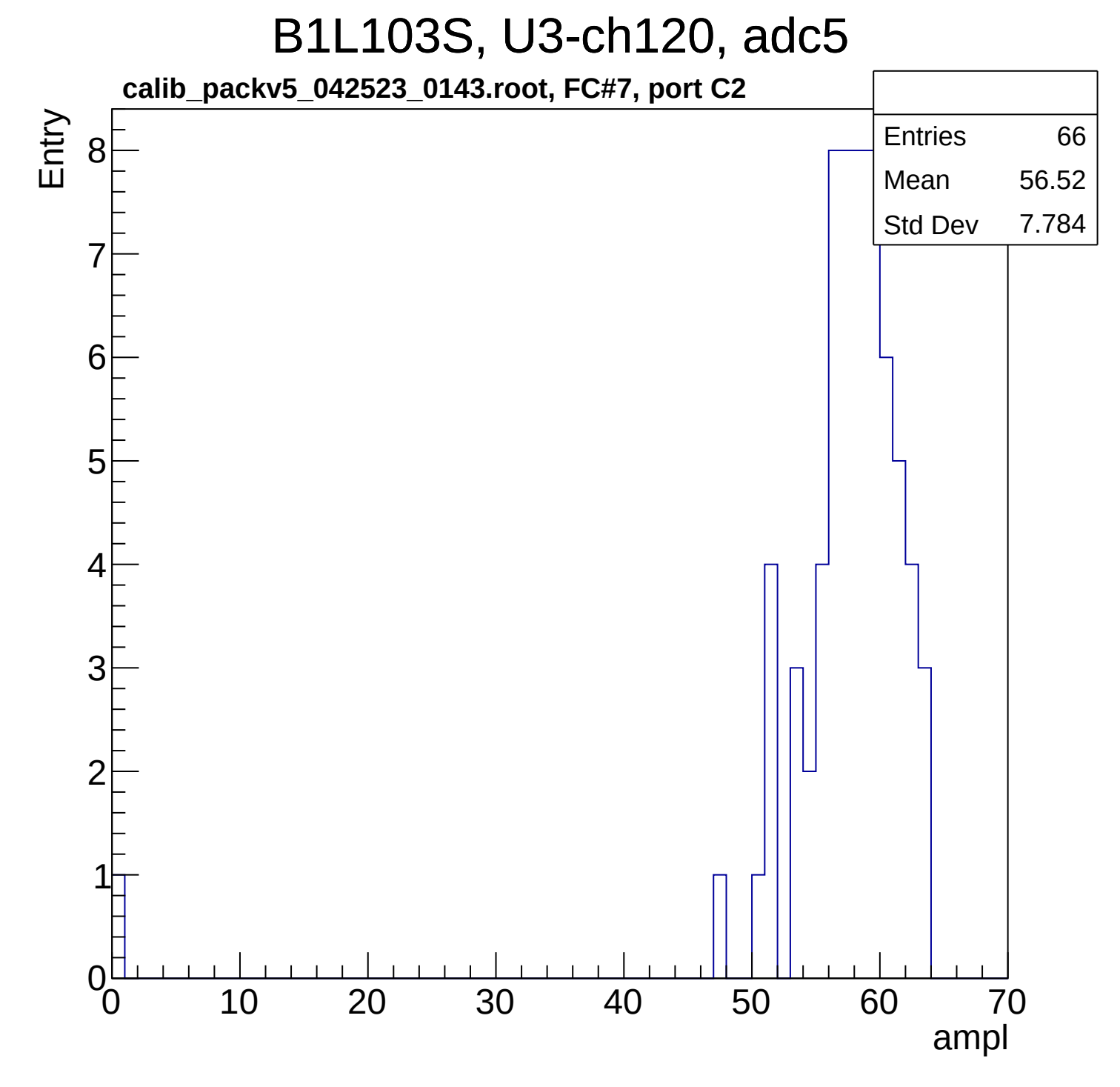
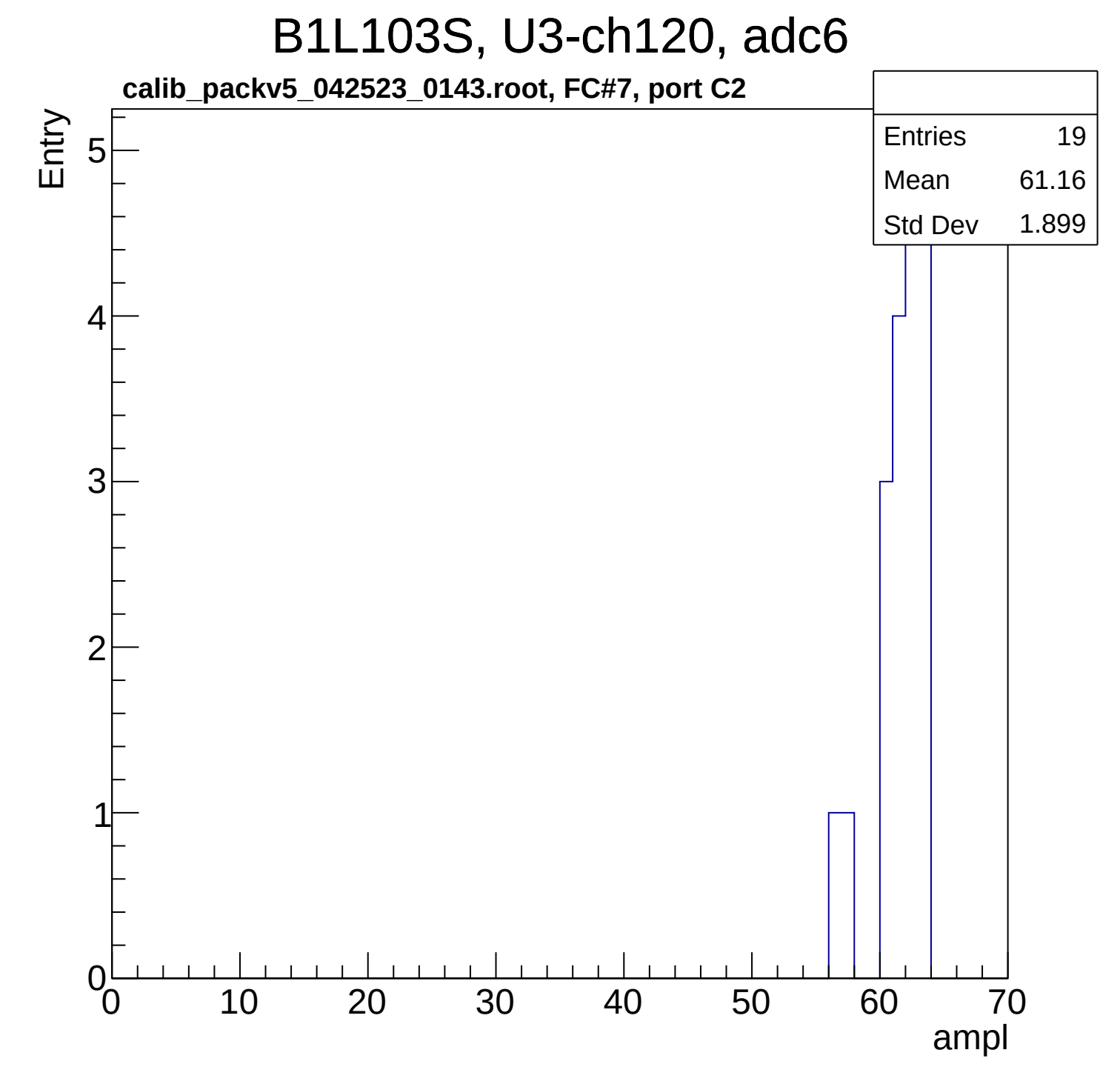
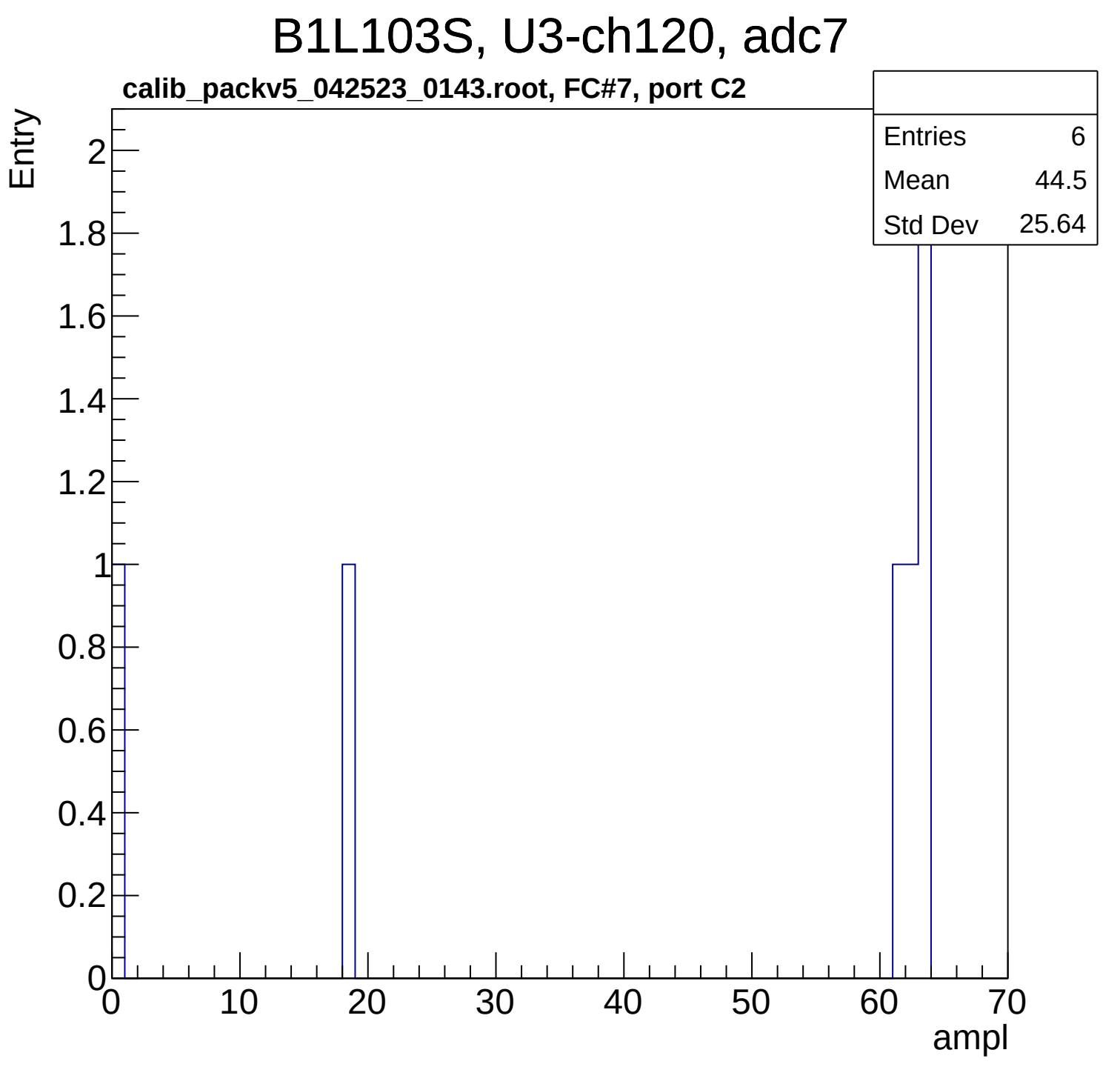

B1L103S, U3-ch120, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 56.52
Std Dev 7.784
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch120, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 19
Mean 61.16
Std Dev 1.899
Entry
ampl
0
1
2
3
4
5
0
10
20
30
40
50
60
70


B1L103S, U3-ch120, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 44.5
Std Dev 25.64
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
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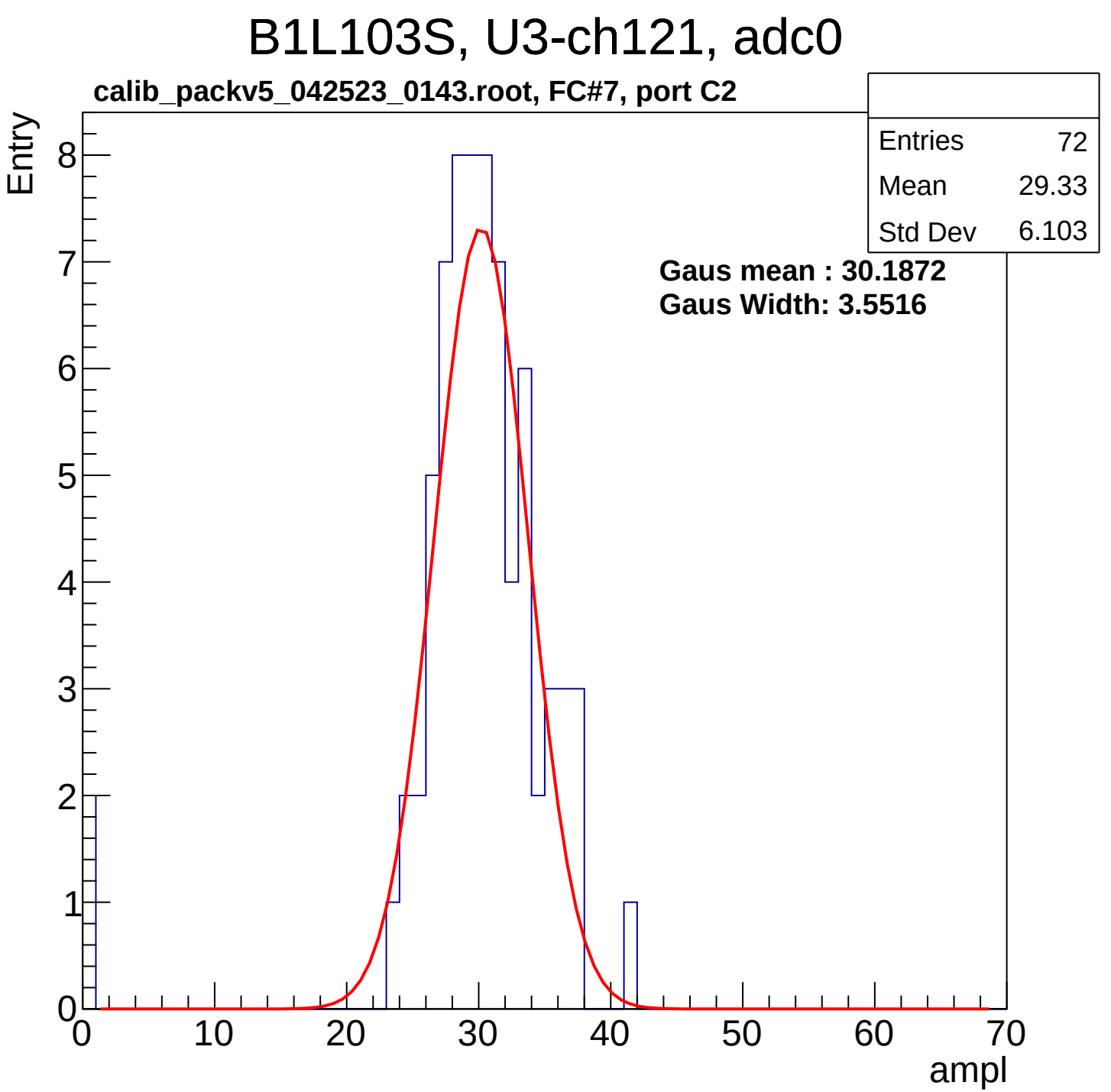
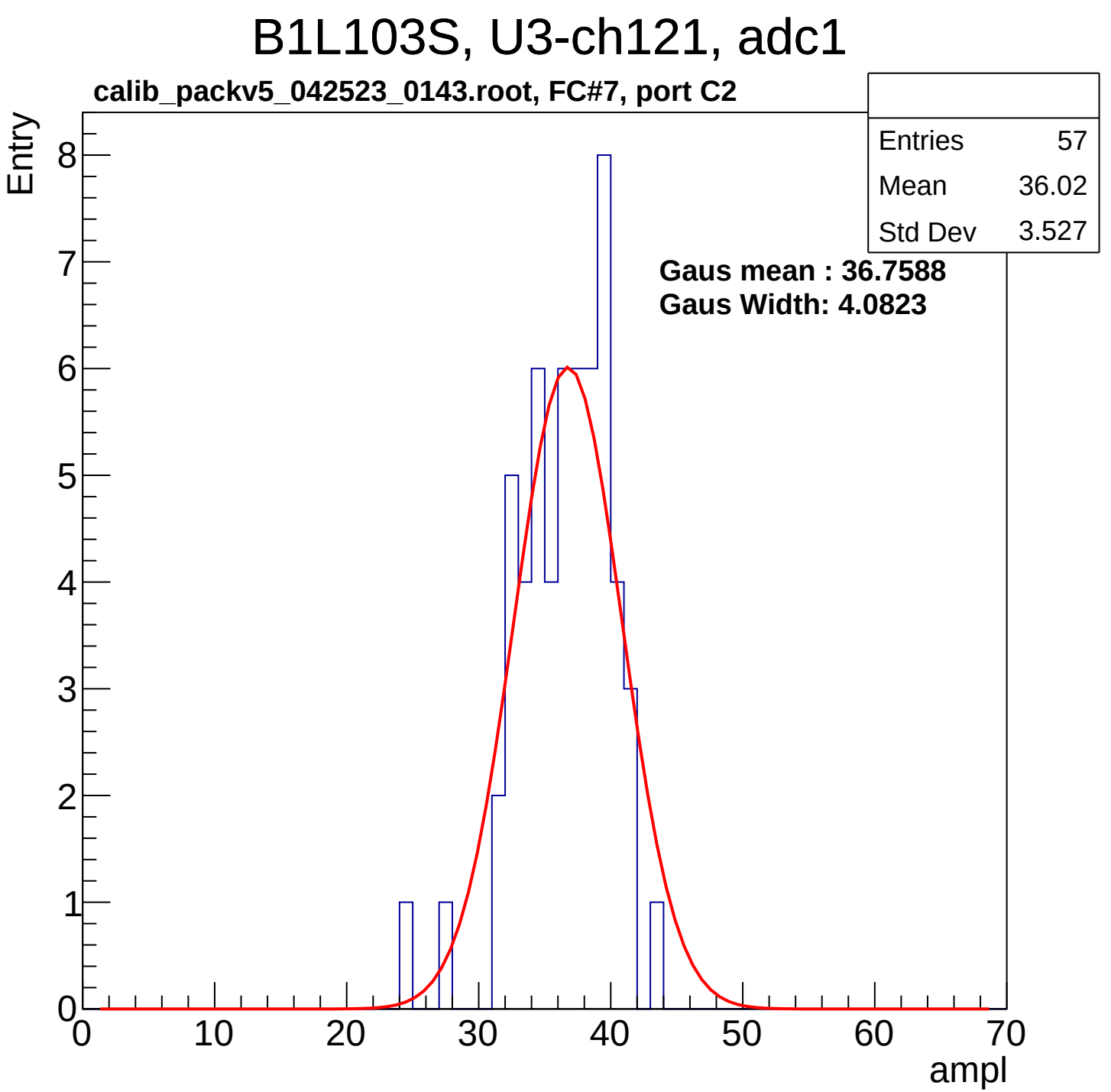

B1L103S, U3-ch121, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.33
Std Dev 6.103
Gaus mean : 30.1872
Gaus Width: 3.5516
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch121, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 36.02
Std Dev 3.527
Gaus mean : 36.7588
Gaus Width: 4.0823
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
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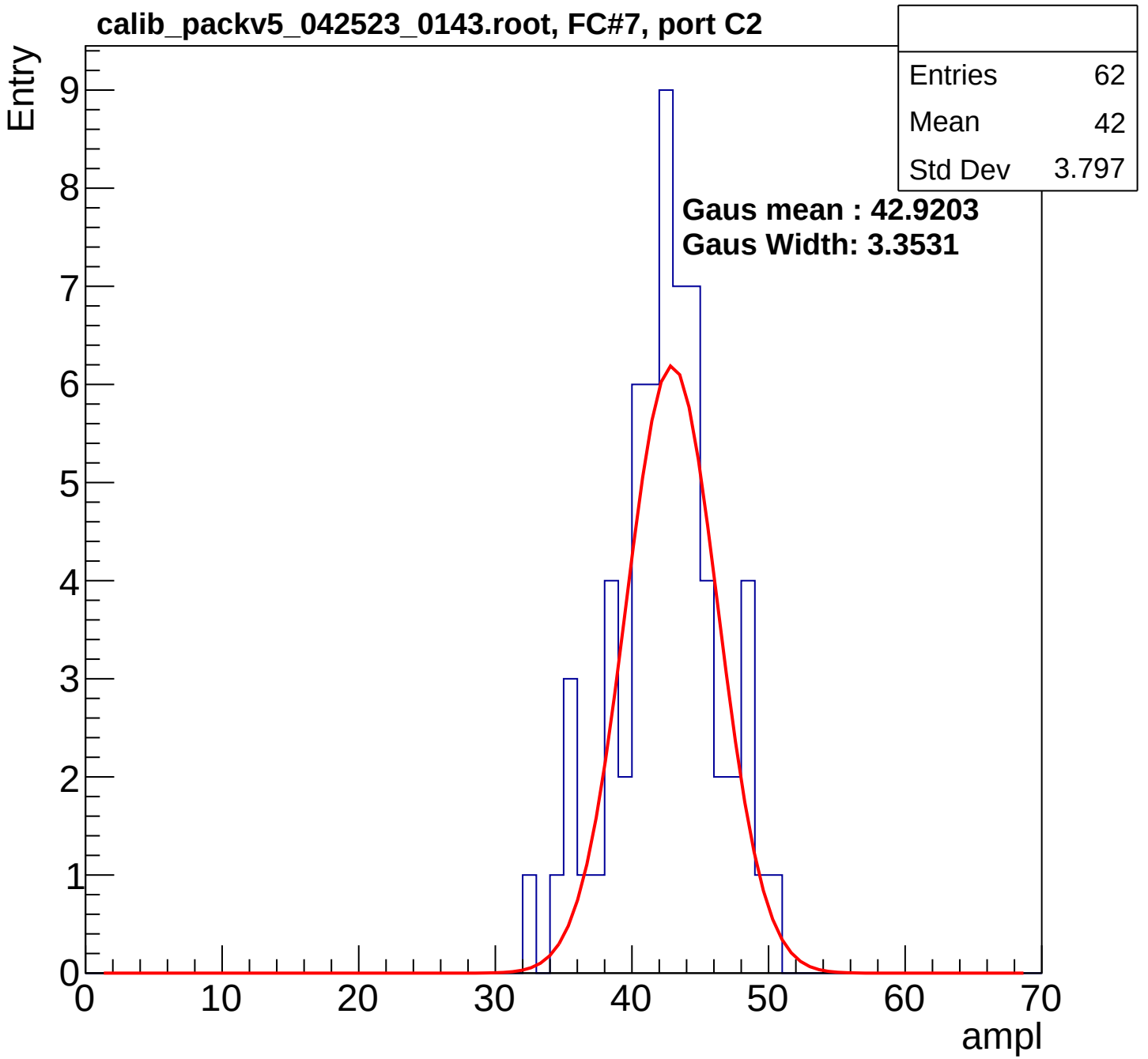
B1L103S, U3-ch121, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 42
Std Dev 3.797
Gaus mean : 42.9203
Gaus Width: 3.3531
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
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40
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60
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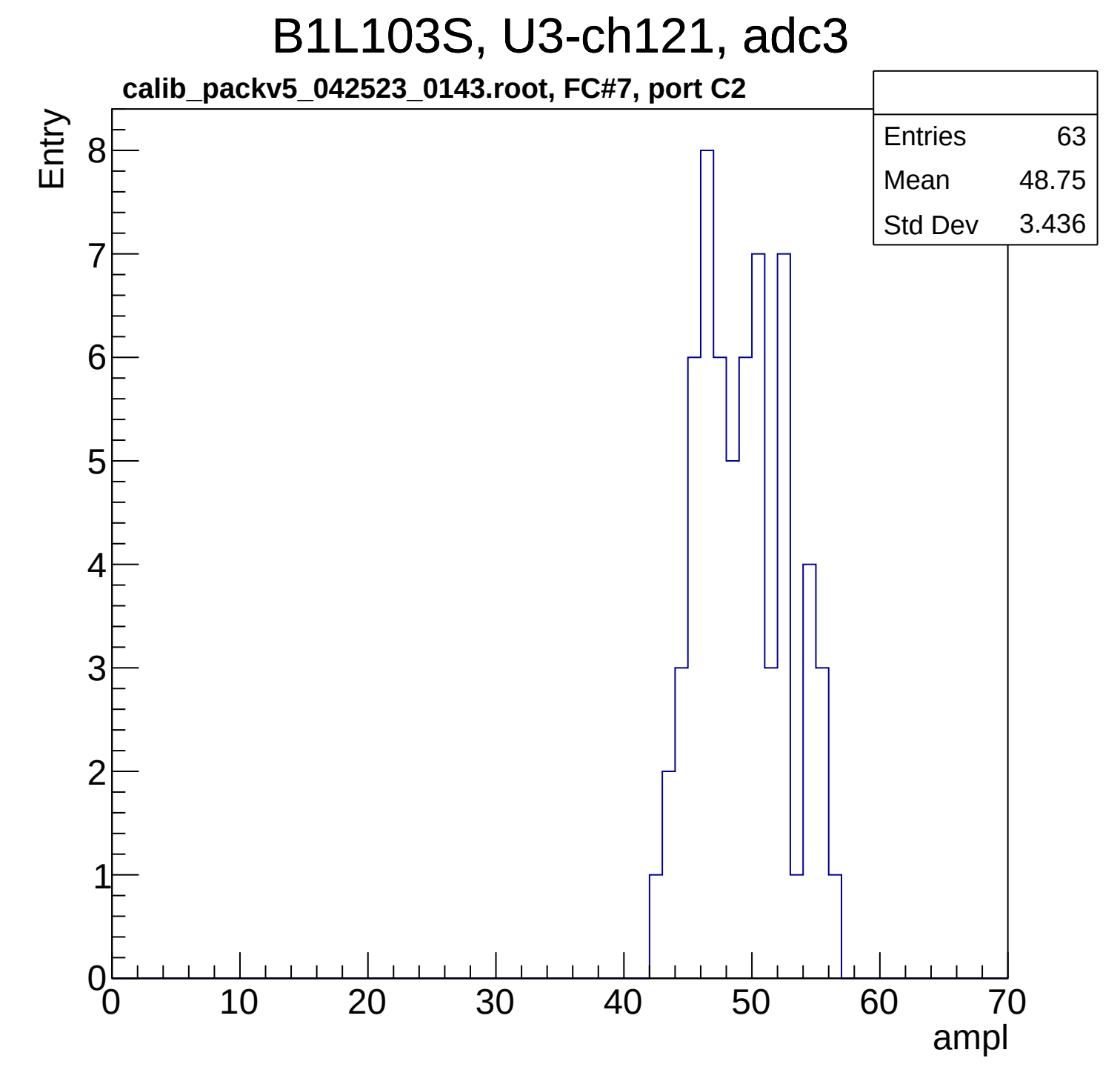
B1L103S, U3-ch121, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 63
Mean 48.75
Std Dev 3.436
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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60
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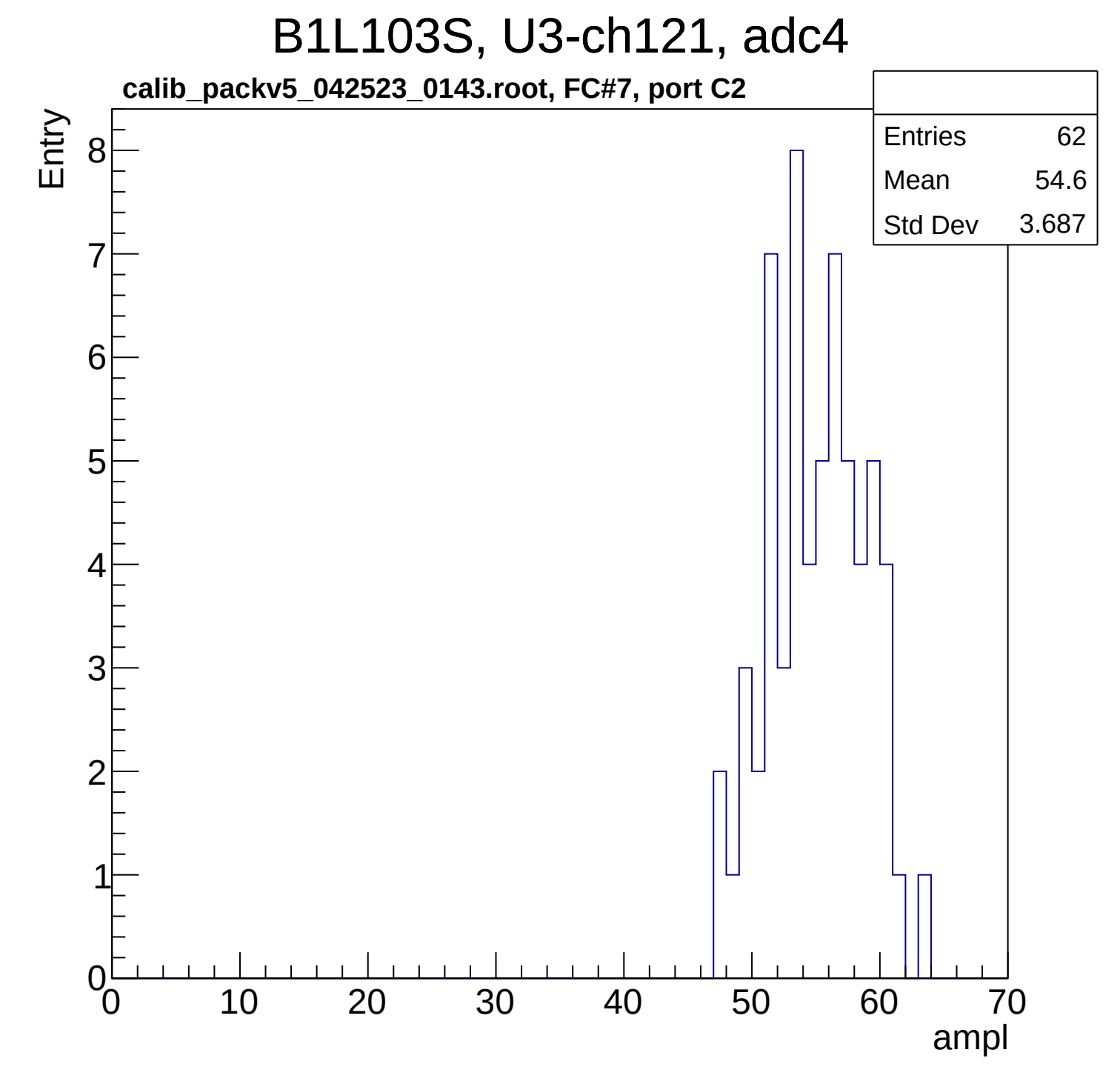
B1L103S, U3-ch121, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 54.6
Std Dev 3.687
Entry
ampl
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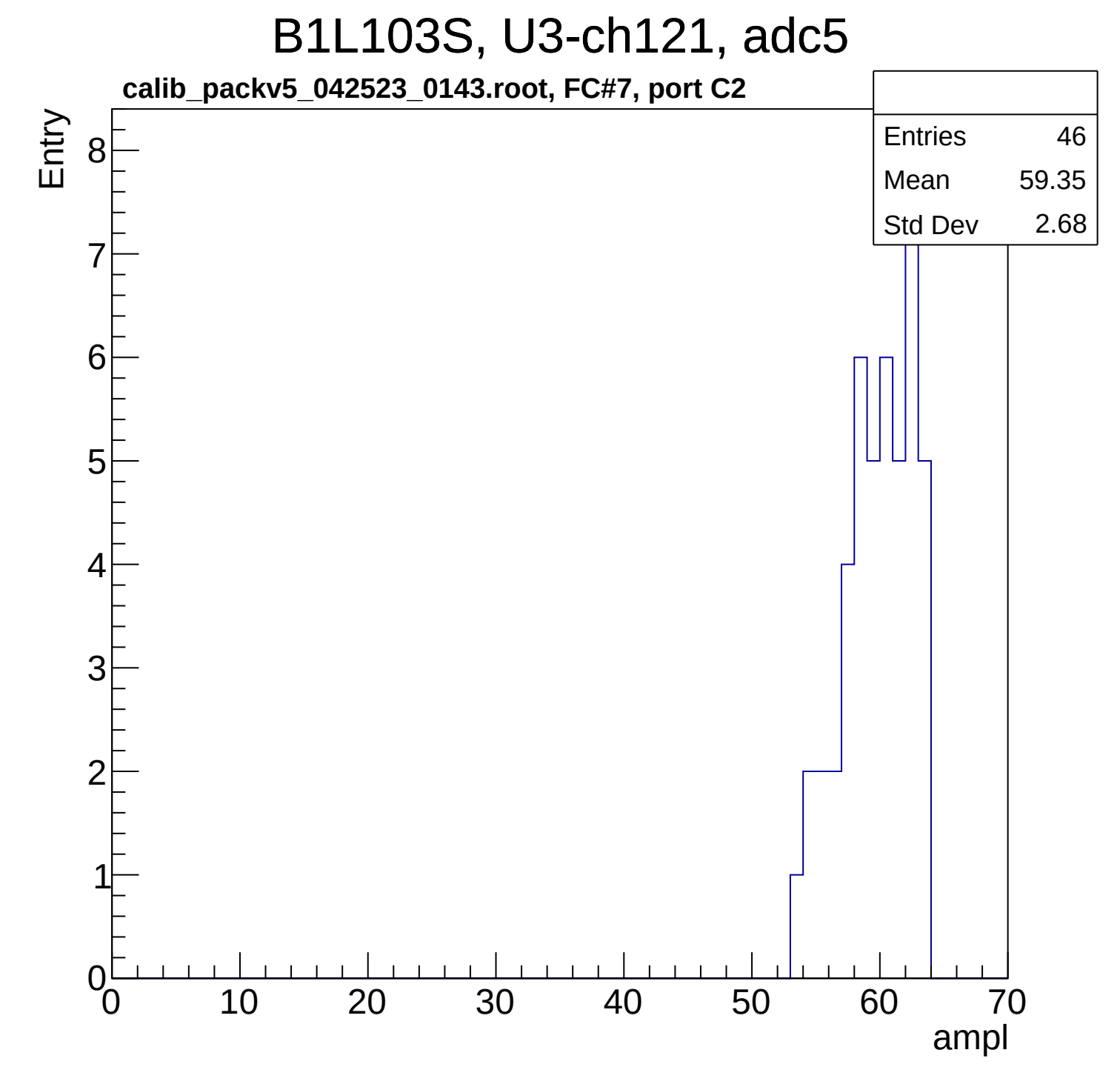
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch121, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 46
Mean 59.35
Std Dev 2.68
Entry
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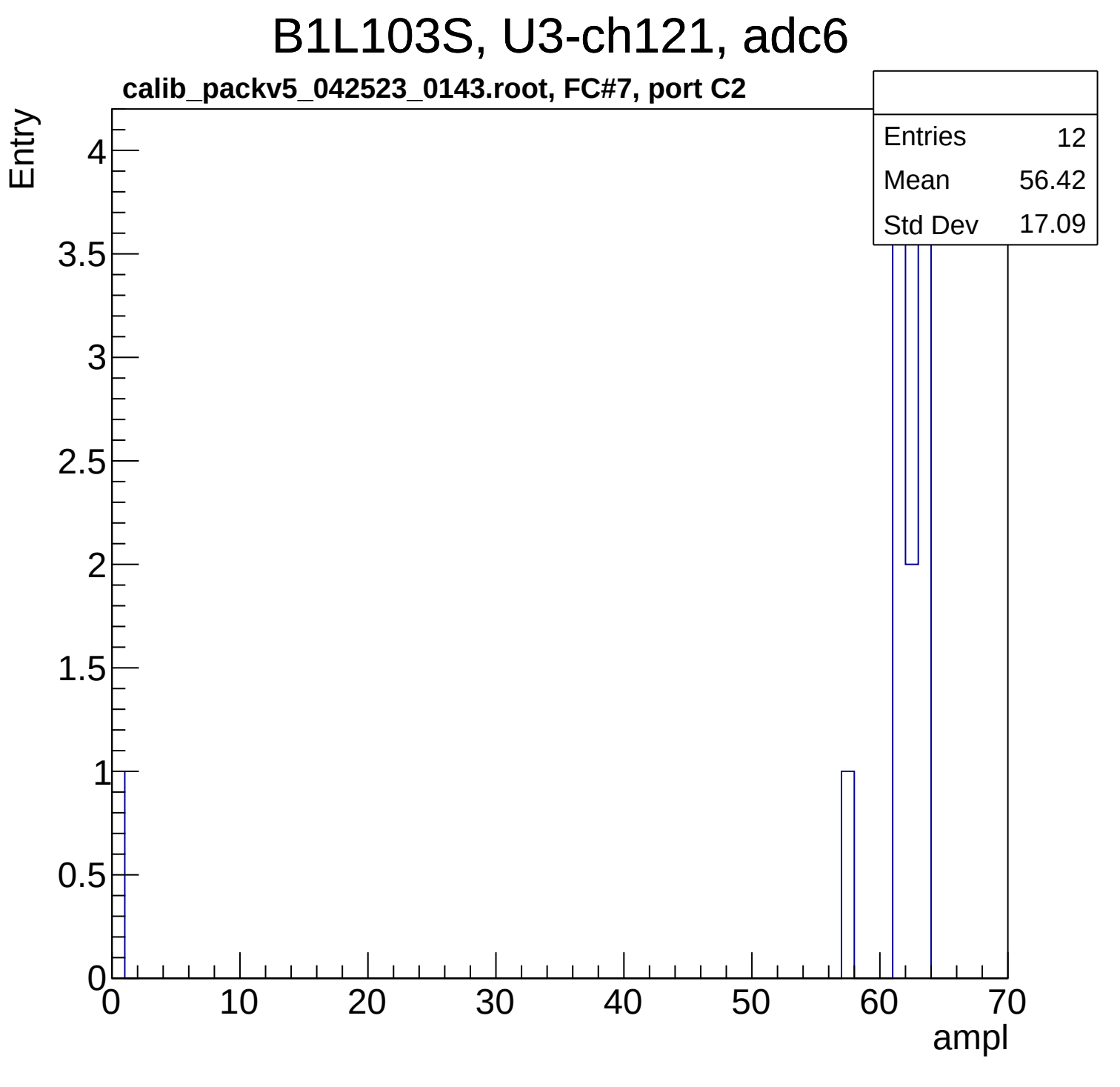
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch121, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 56.42
Std Dev 17.09
Entry
ampl
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1
1.5
2
2.5
3
3.5
4
0
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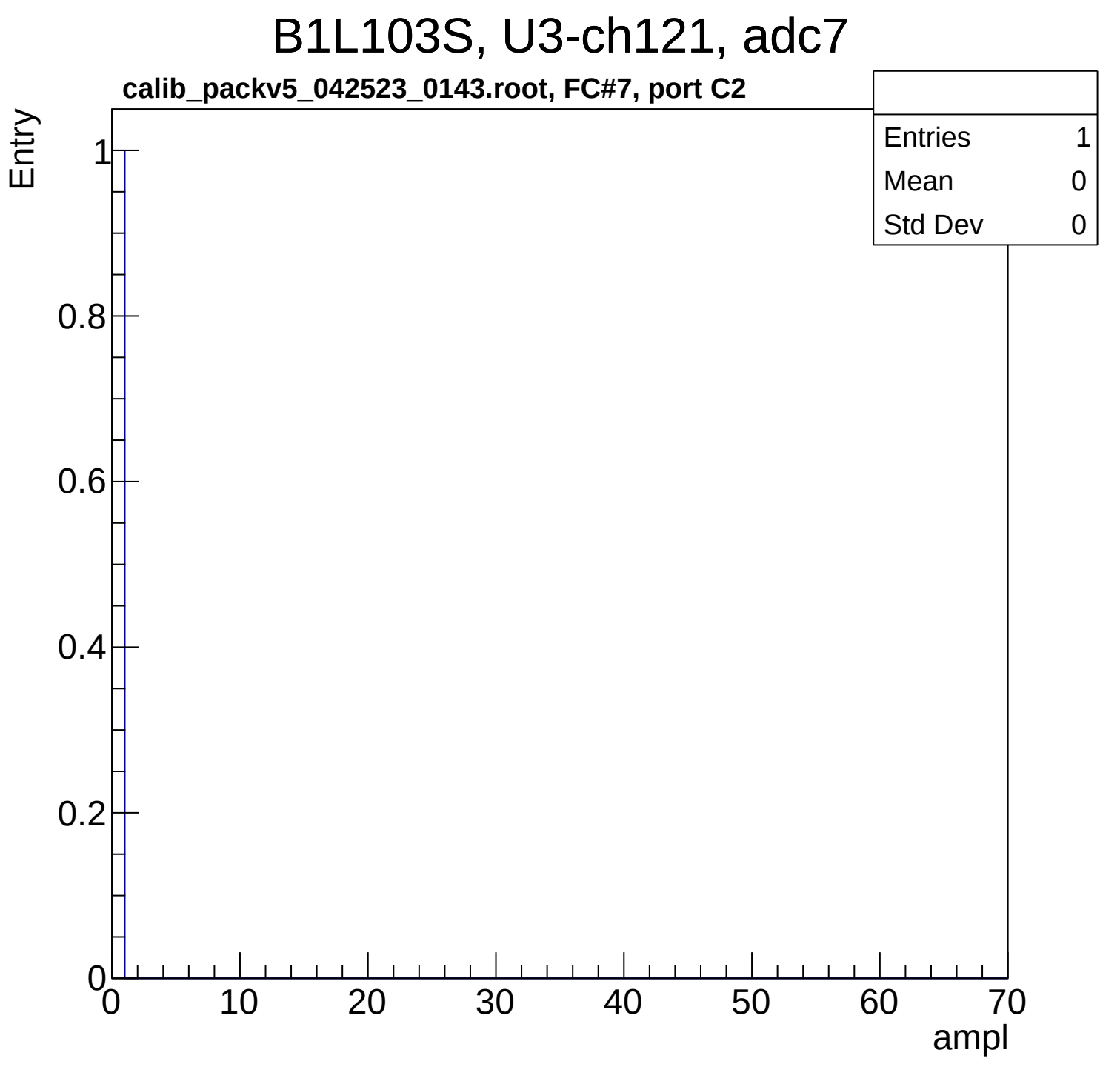
20
30
40
50
60
70


B1L103S, U3-ch121, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 1
Mean 0
Std Dev 0
Entry
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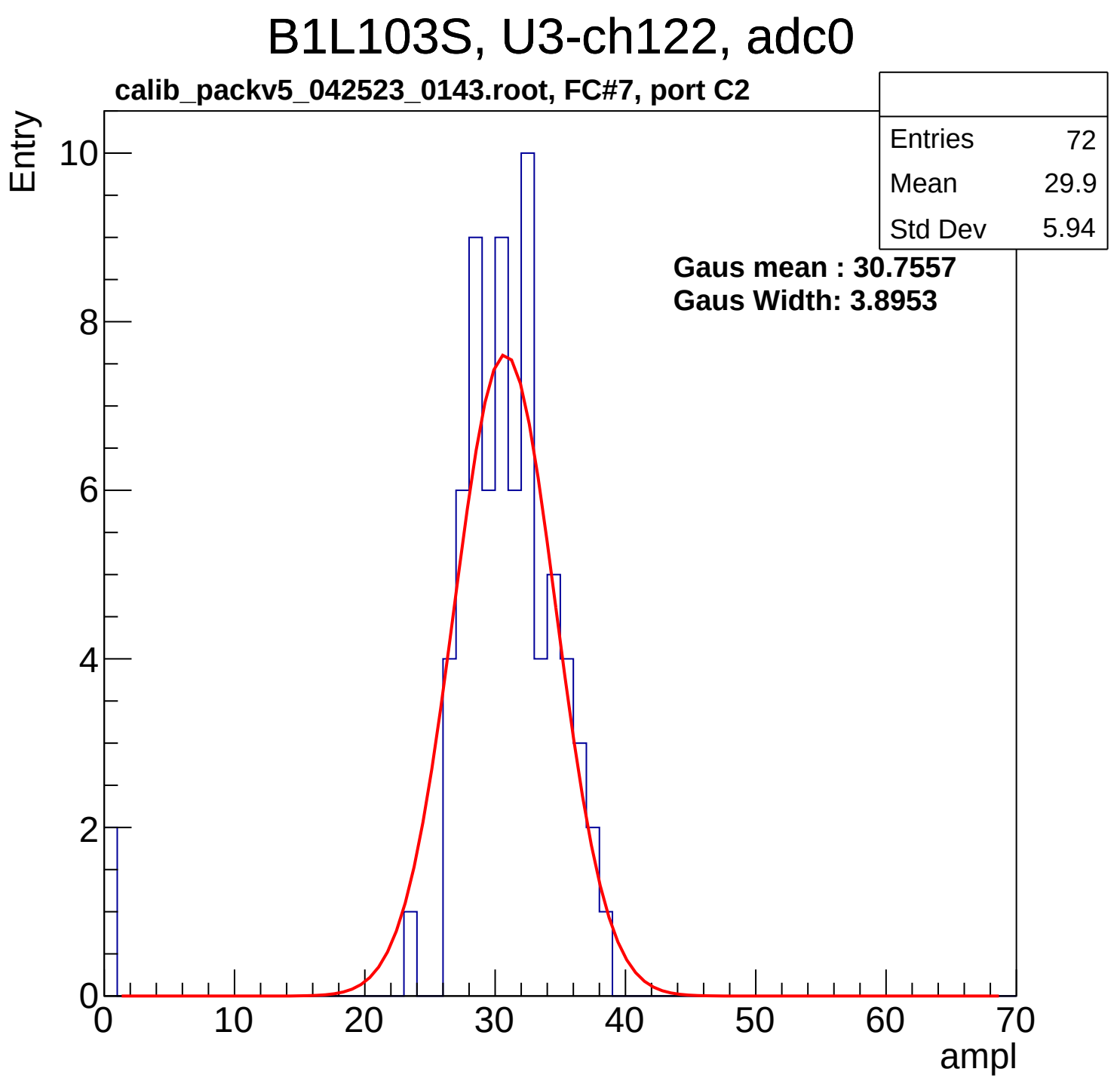
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch122, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 29.9
Std Dev 5.94
Gaus mean : 30.7557
Gaus Width: 3.8953
Entry
ampl
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2
4
6
8
10
0
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40
50
60
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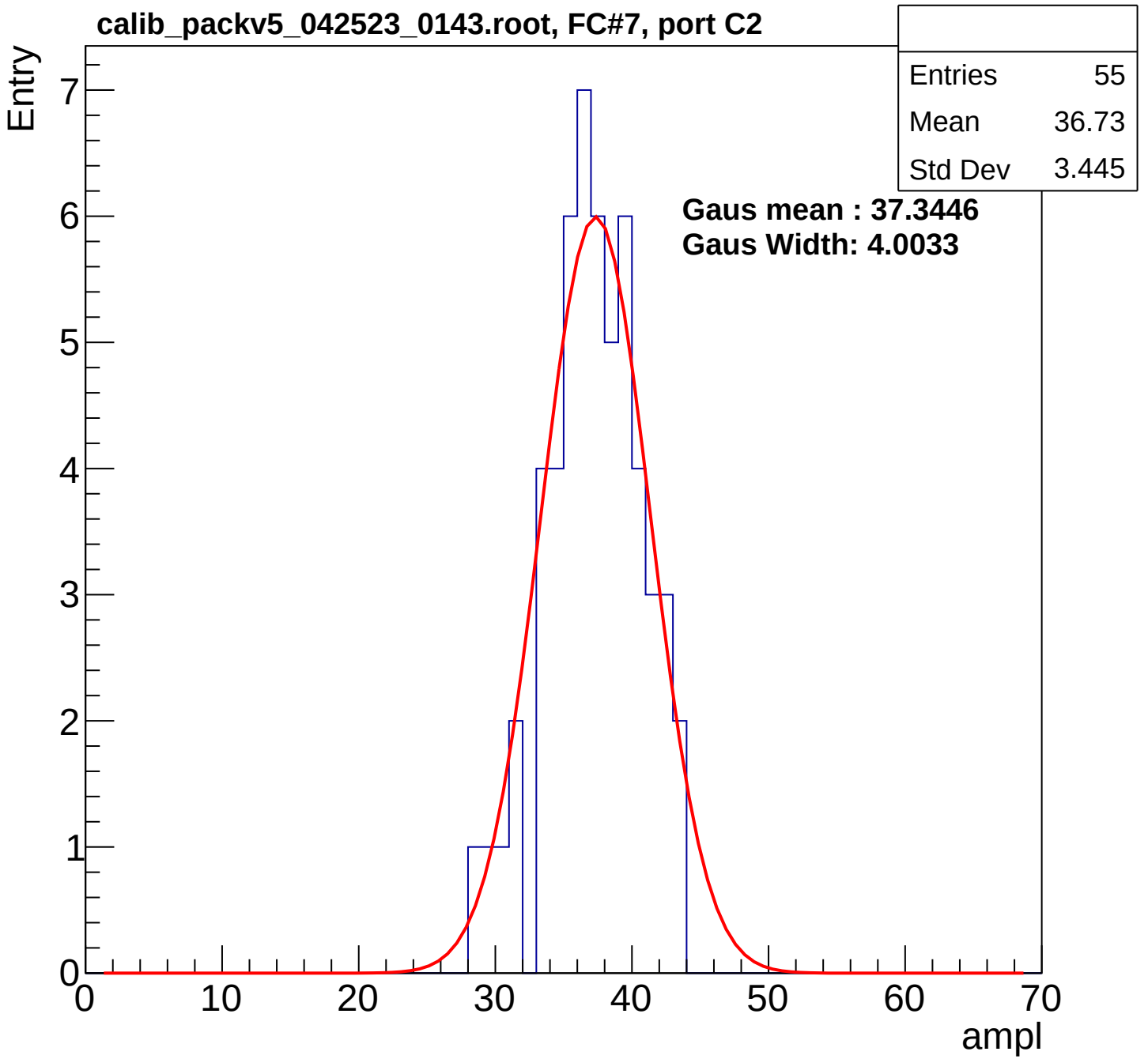
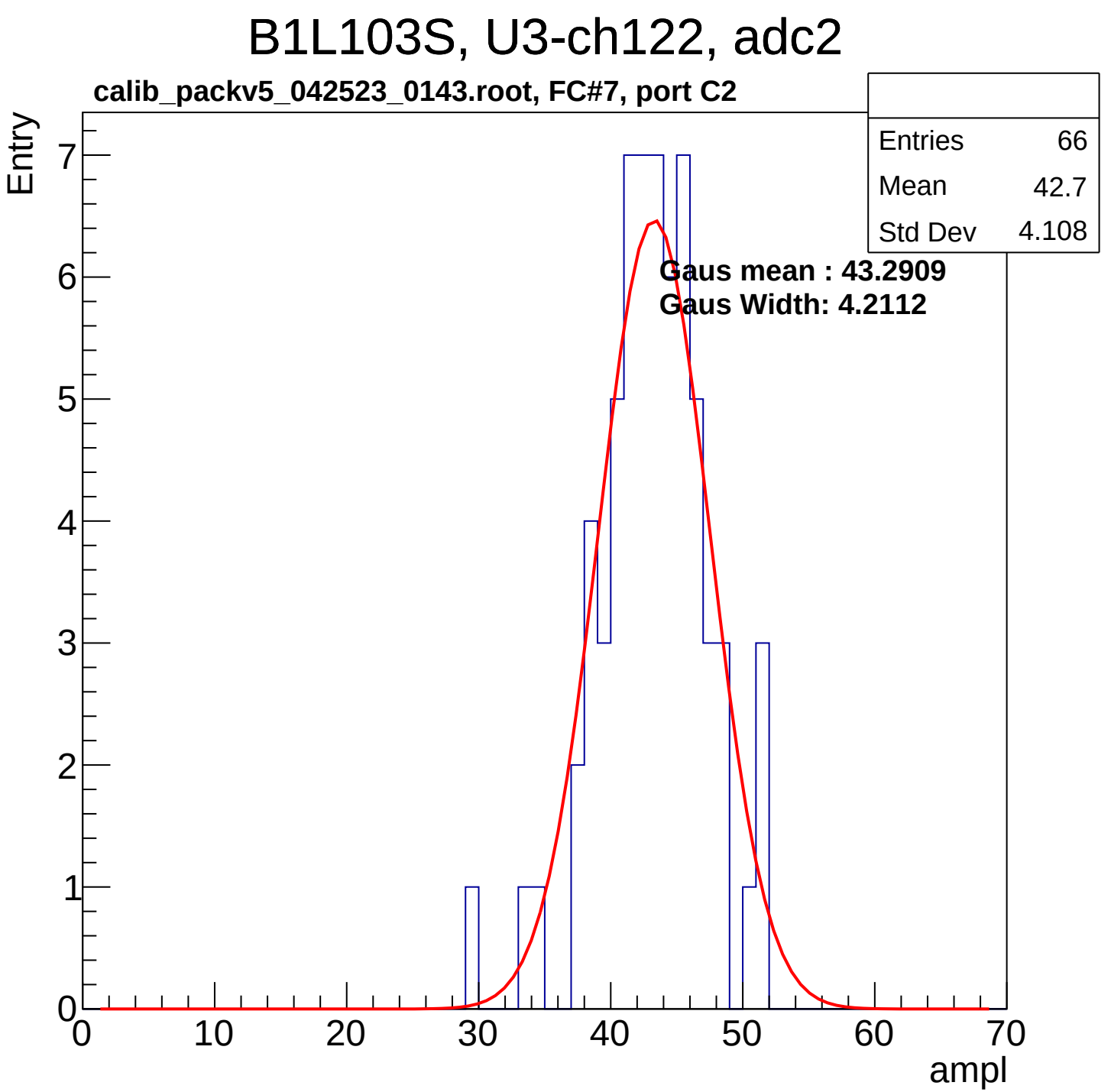

B1L103S, U3-ch122, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 55
Mean 36.73
Std Dev 3.445
Gaus mean : 37.3446
Gaus Width: 4.0033
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch122, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 42.7
Std Dev 4.108
Gaus mean : 43.2909
Gaus Width: 4.2112
Entry
ampl
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1
2
3
4
5
6
7
0
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20
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60
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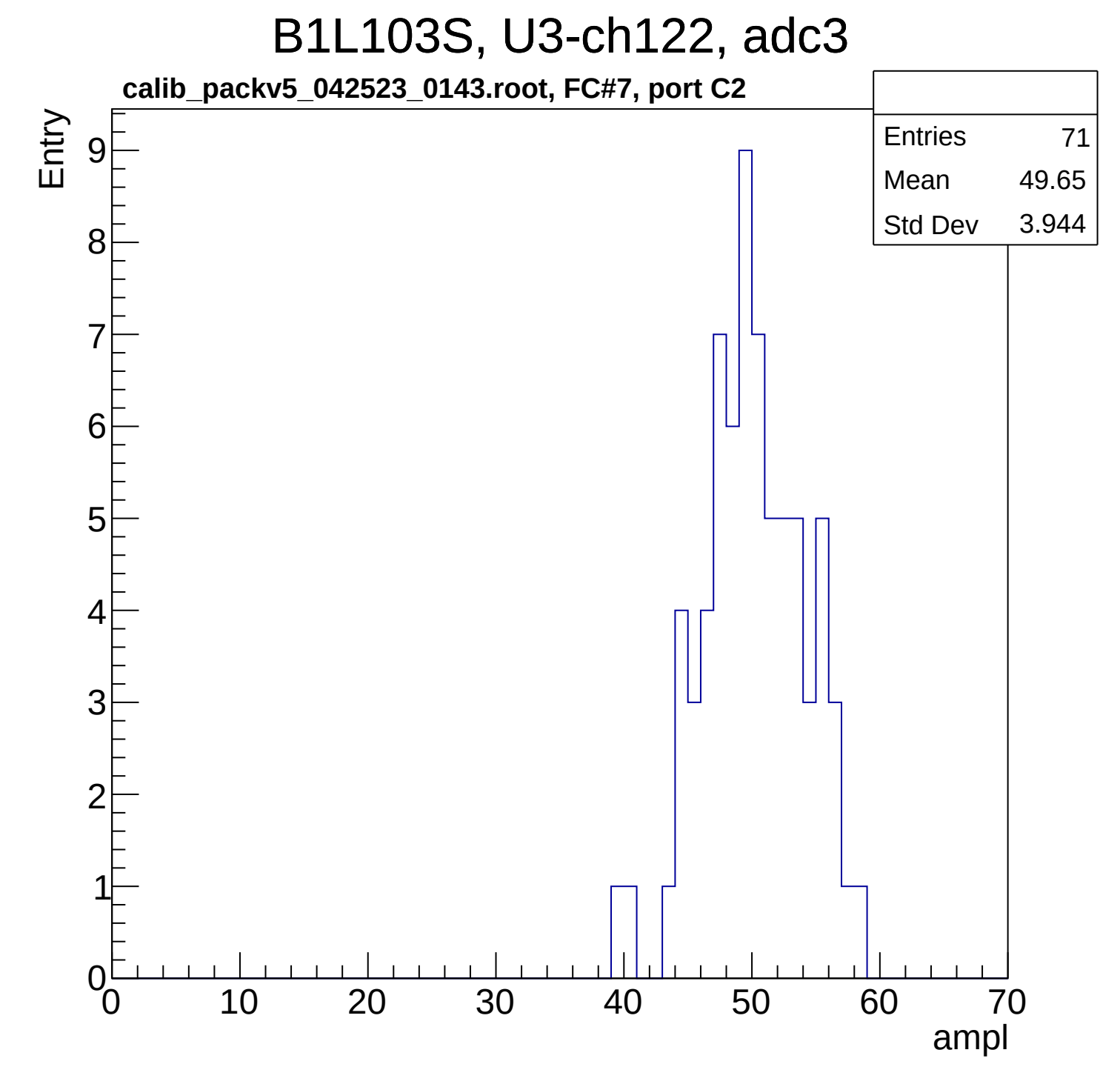
B1L103S, U3-ch122, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 49.65
Std Dev 3.944
Entry
ampl
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3
4
5
6
7
8
9
0
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40
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60
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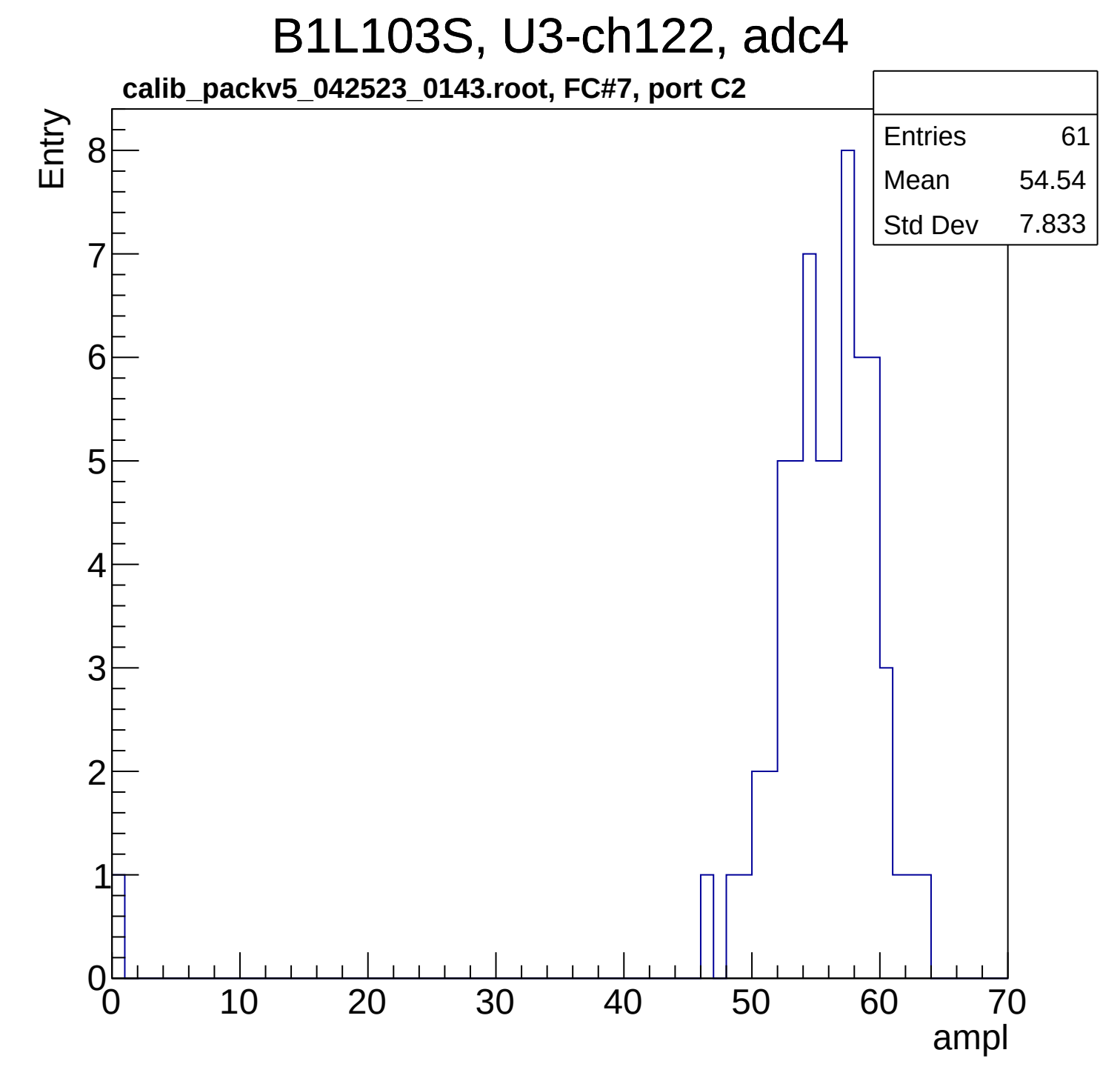
B1L103S, U3-ch122, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 61
Mean 54.54
Std Dev 7.833
Entry
ampl
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2
3
4
5
6
7
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0
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60
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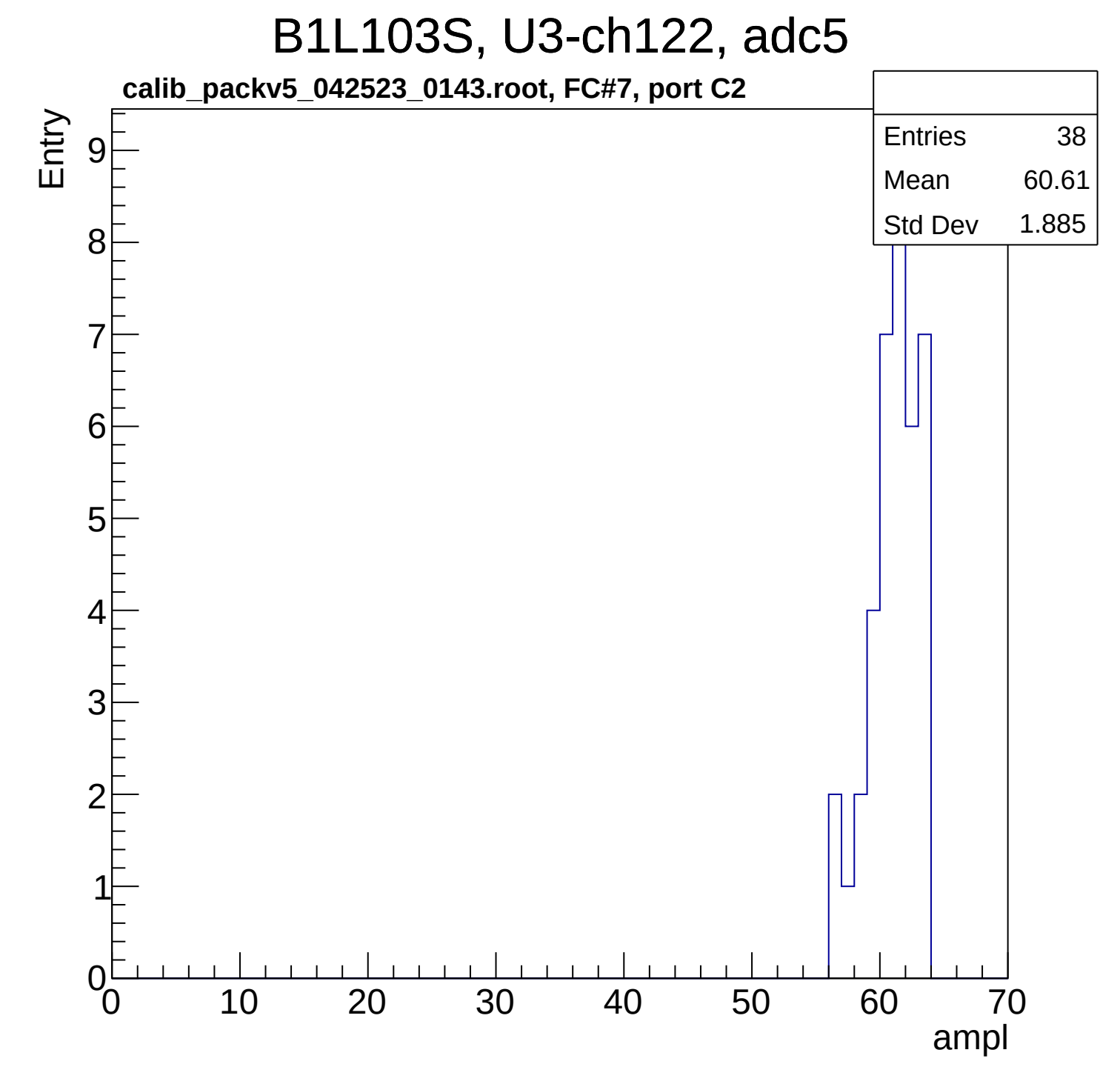
B1L103S, U3-ch122, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 38
Mean 60.61
Std Dev 1.885
Entry
ampl
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3
4
5
6
7
8
9
0
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60
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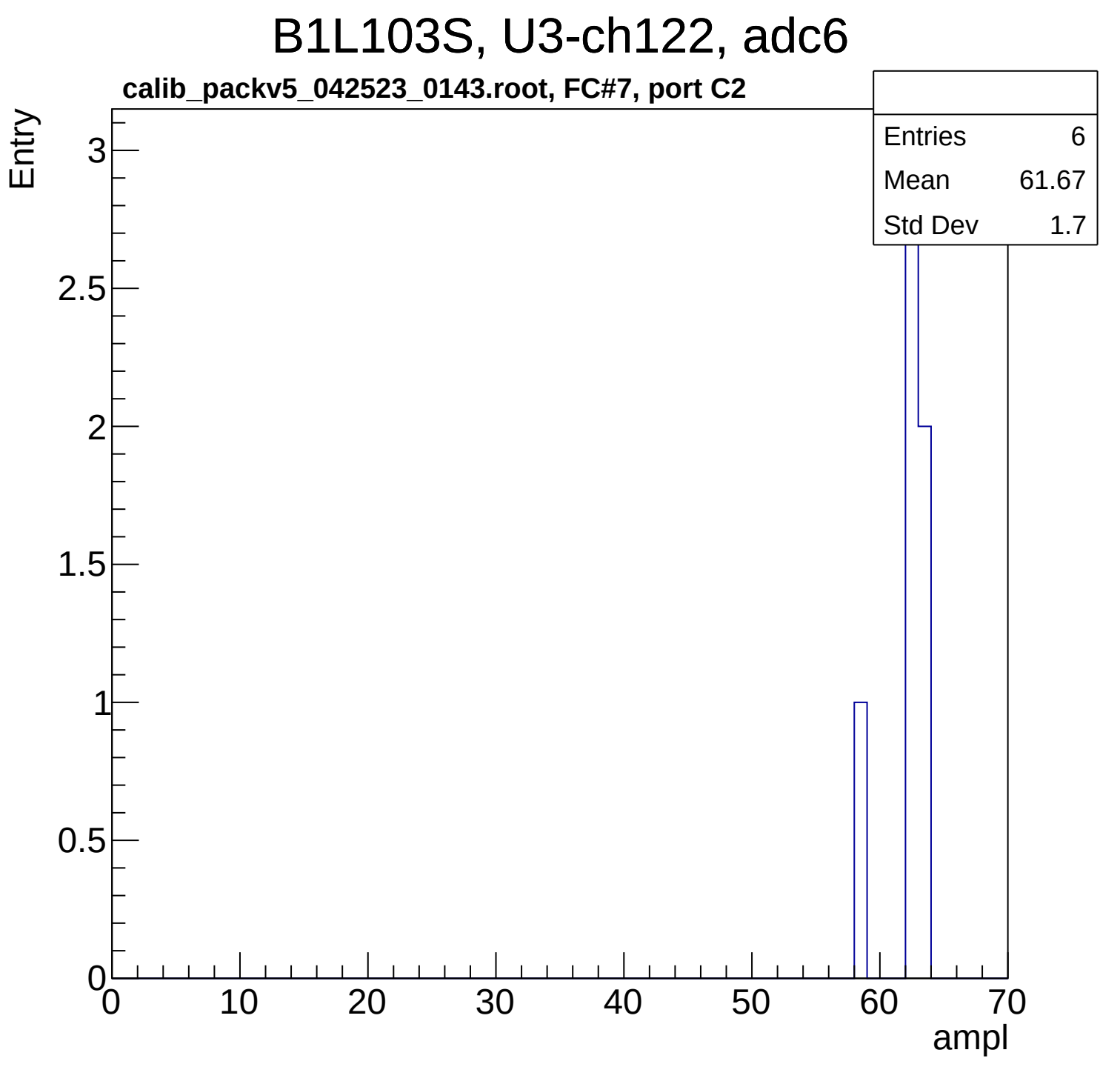
B1L103S, U3-ch122, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 61.67
Std Dev 1.7
Entry
ampl
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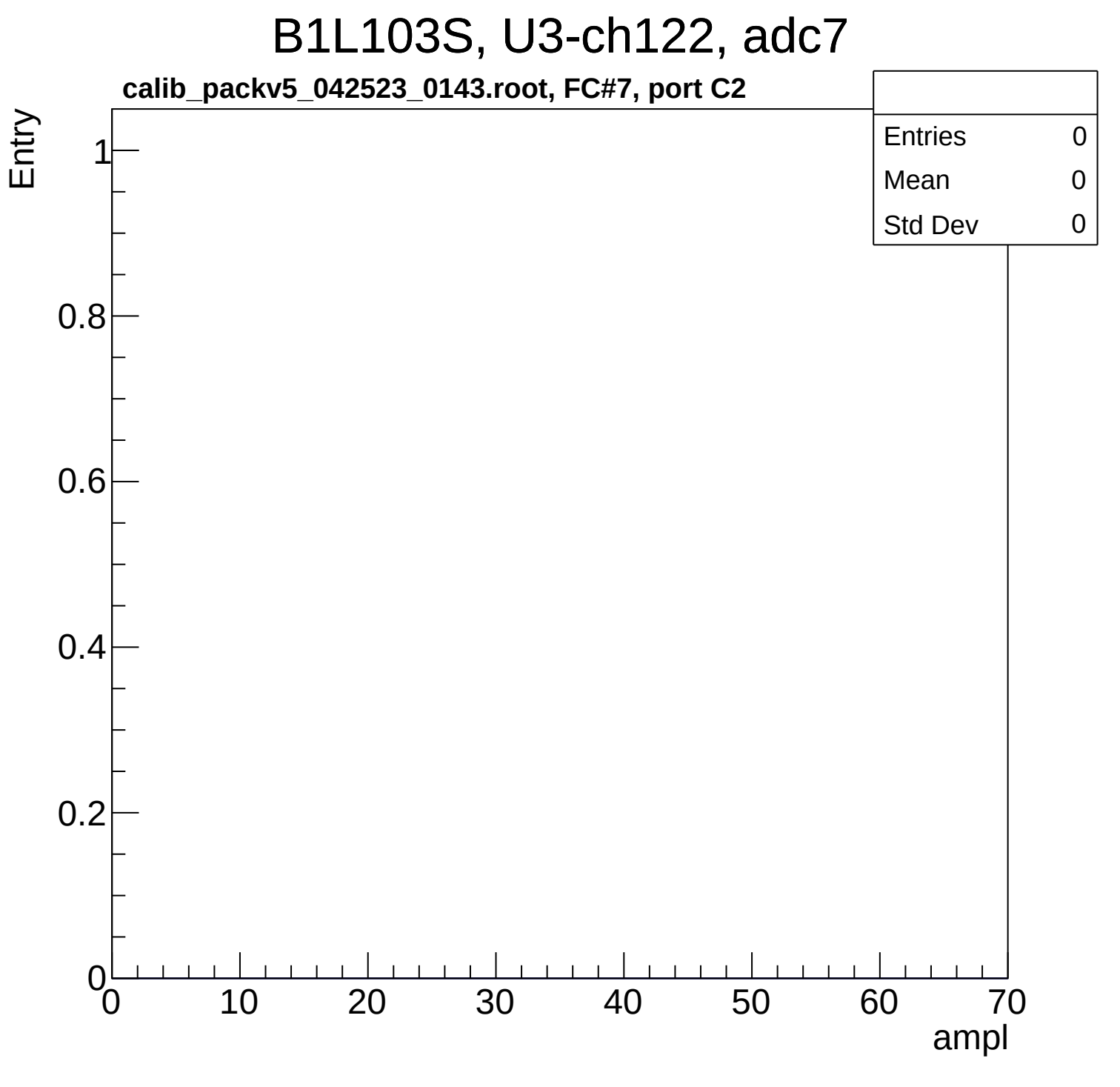
0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
70


B1L103S, U3-ch122, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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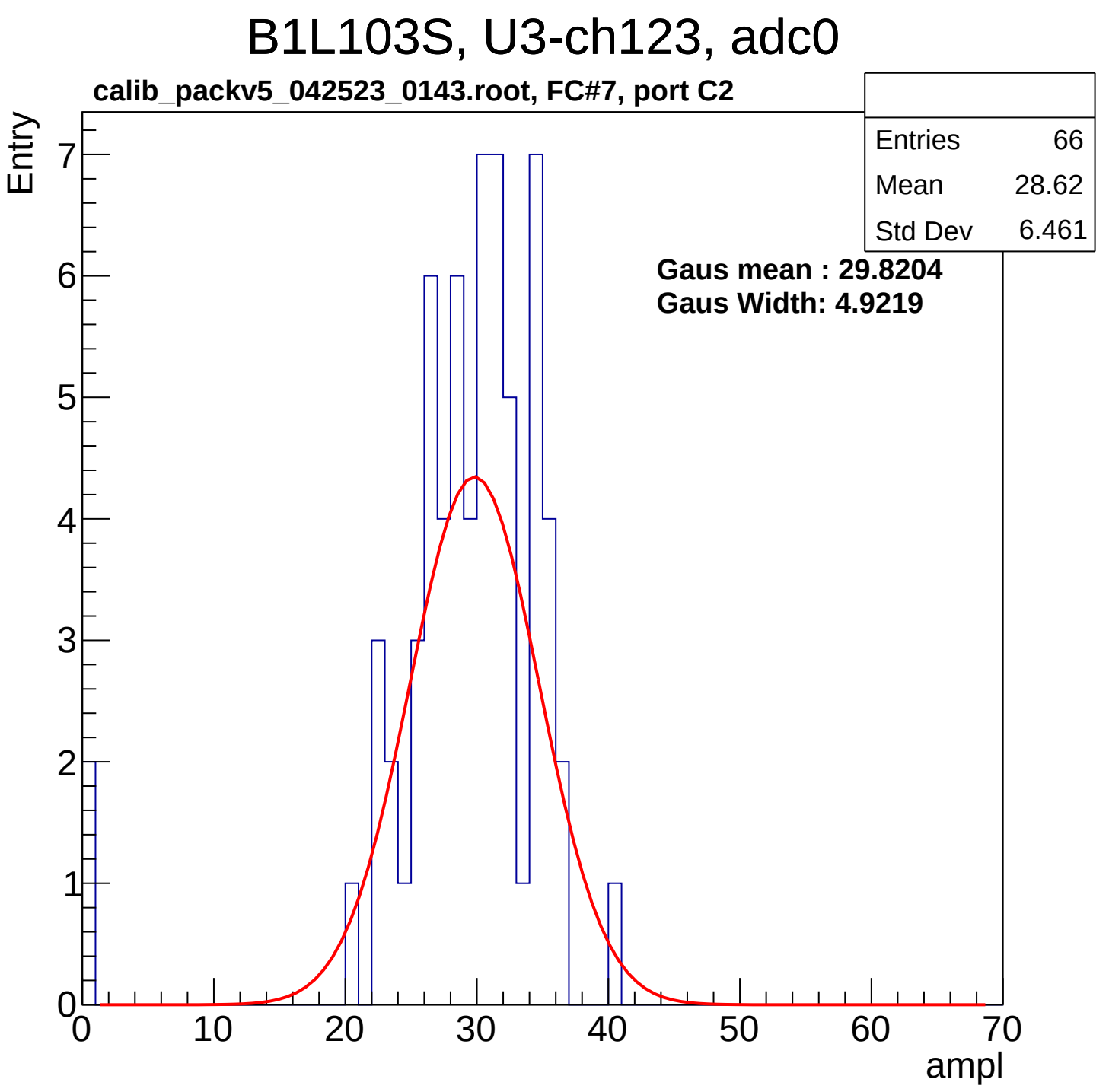
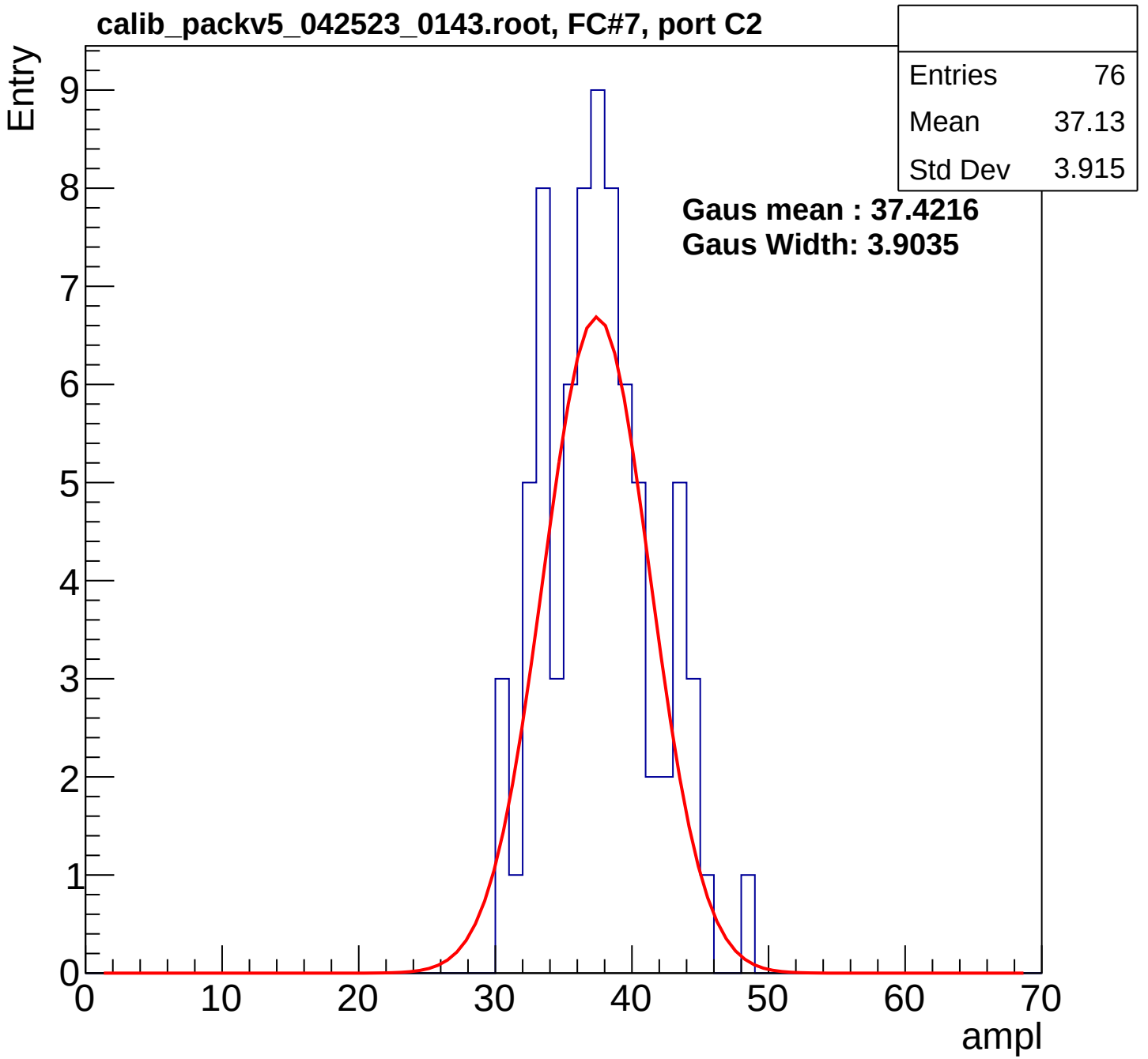
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch123, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 66
Mean 28.62
Std Dev 6.461
Gaus mean : 29.8204
Gaus Width: 4.9219
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
50
60
70


B1L103S, U3-ch123, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 37.13
Std Dev 3.915
Gaus mean : 37.4216
Gaus Width: 3.9035
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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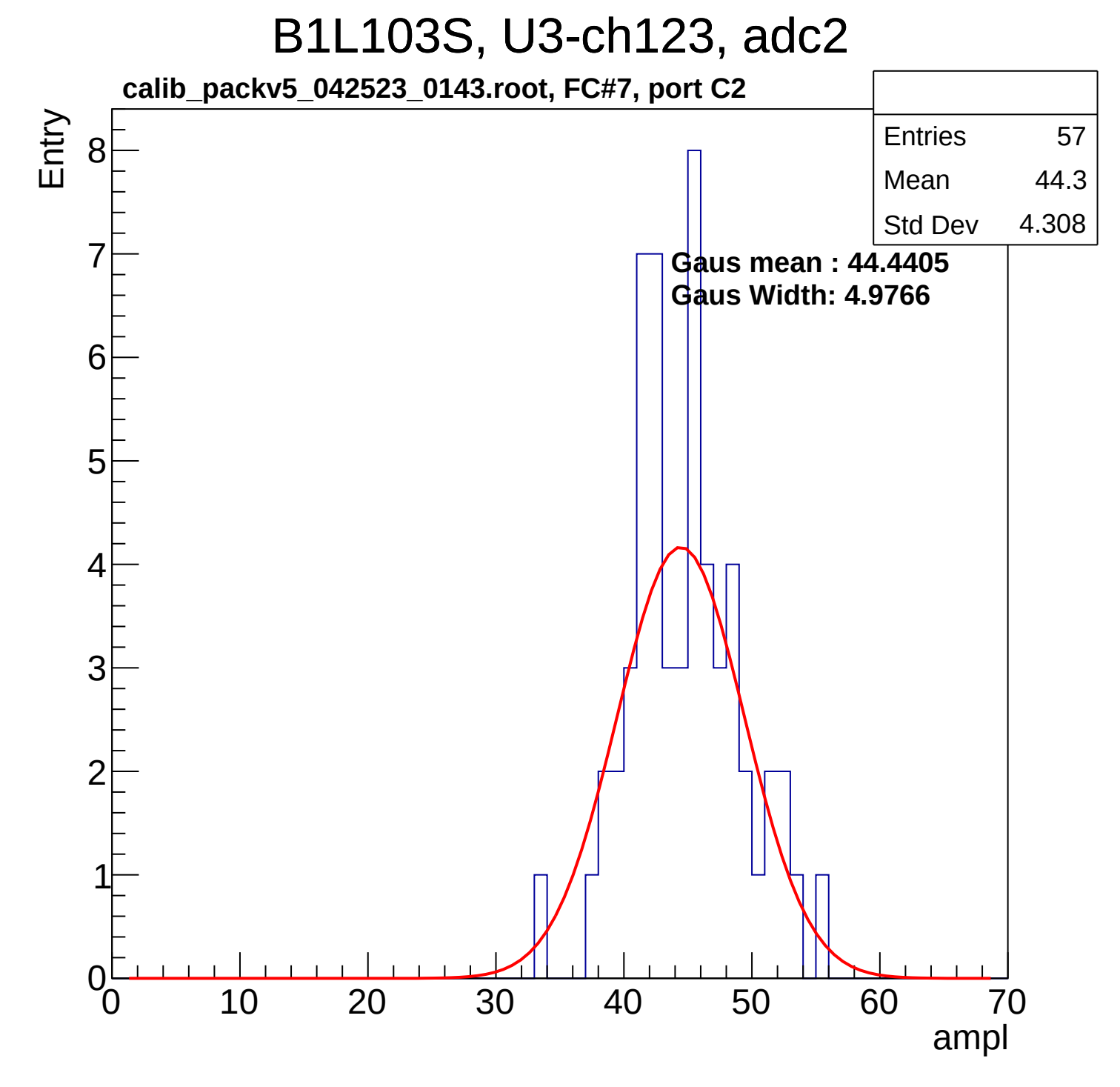
B1L103S, U3-ch123, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 44.3
Std Dev 4.308
Gaus mean : 44.4405
Gaus Width: 4.9766
Entry
ampl
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1
2
3
4
5
6
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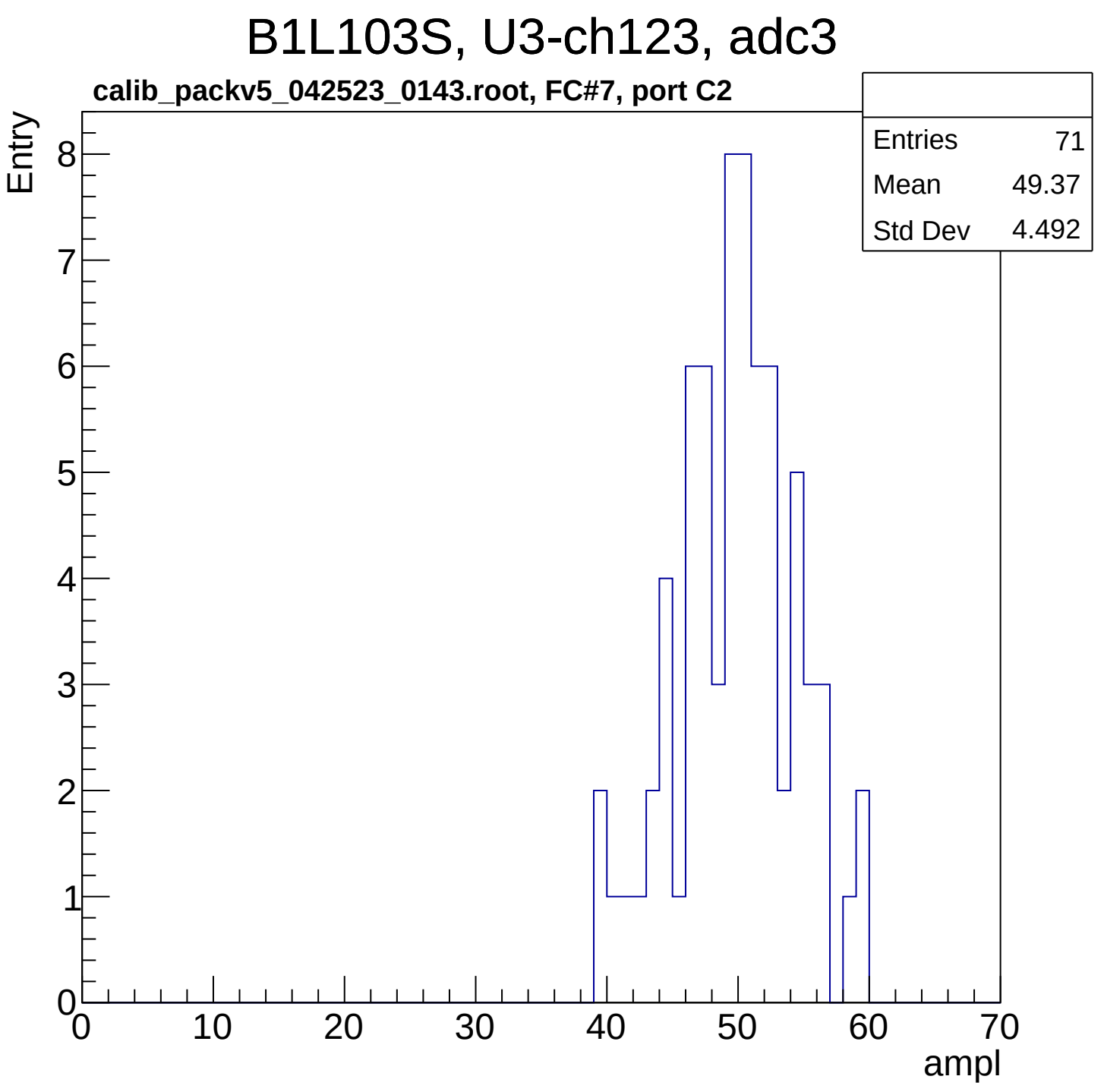
B1L103S, U3-ch123, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 49.37
Std Dev 4.492
Entry
ampl
0
1
2
3
4
5
6
7
8
0
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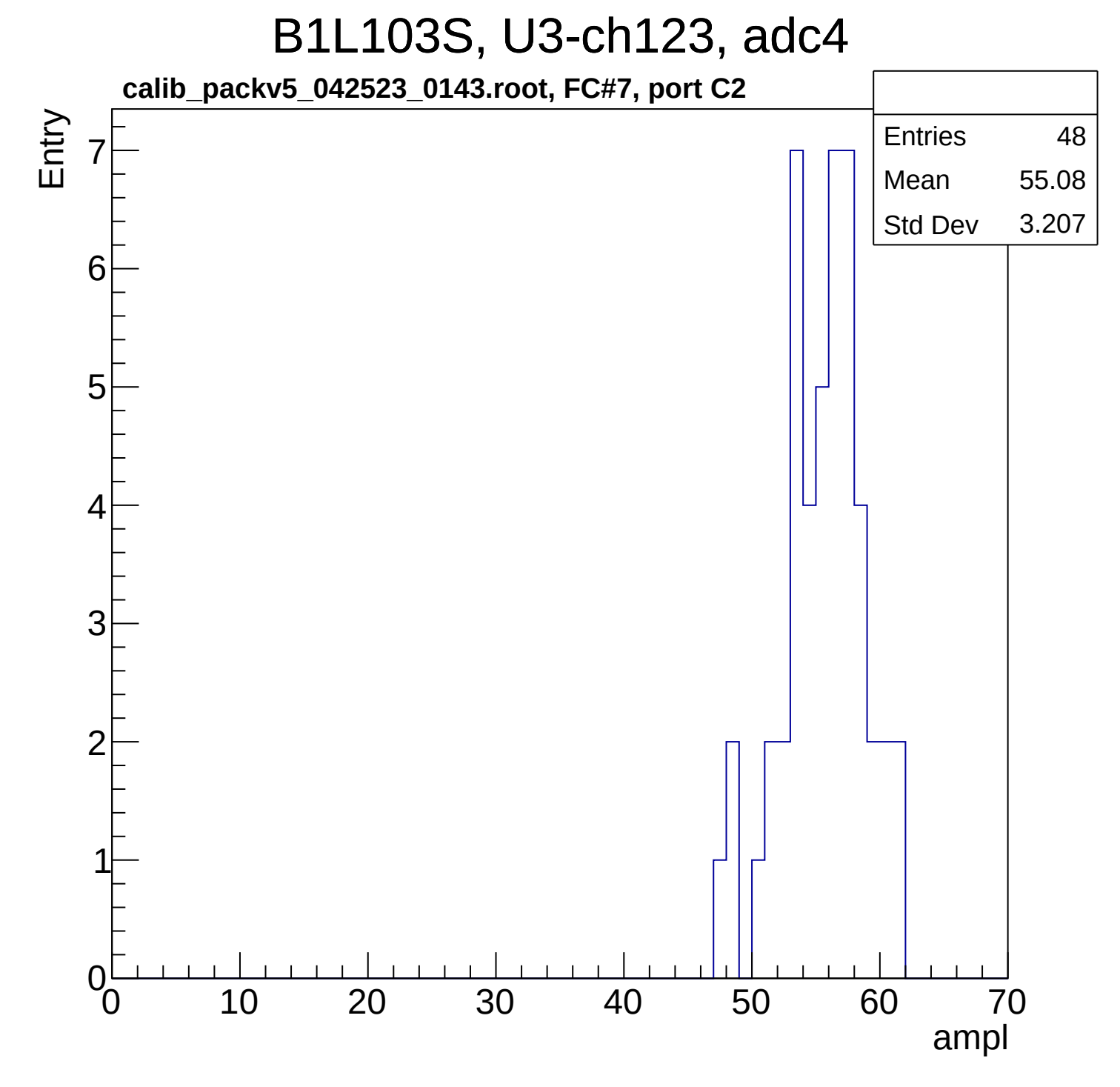
B1L103S, U3-ch123, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 48
Mean 55.08
Std Dev 3.207
Entry
ampl
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4
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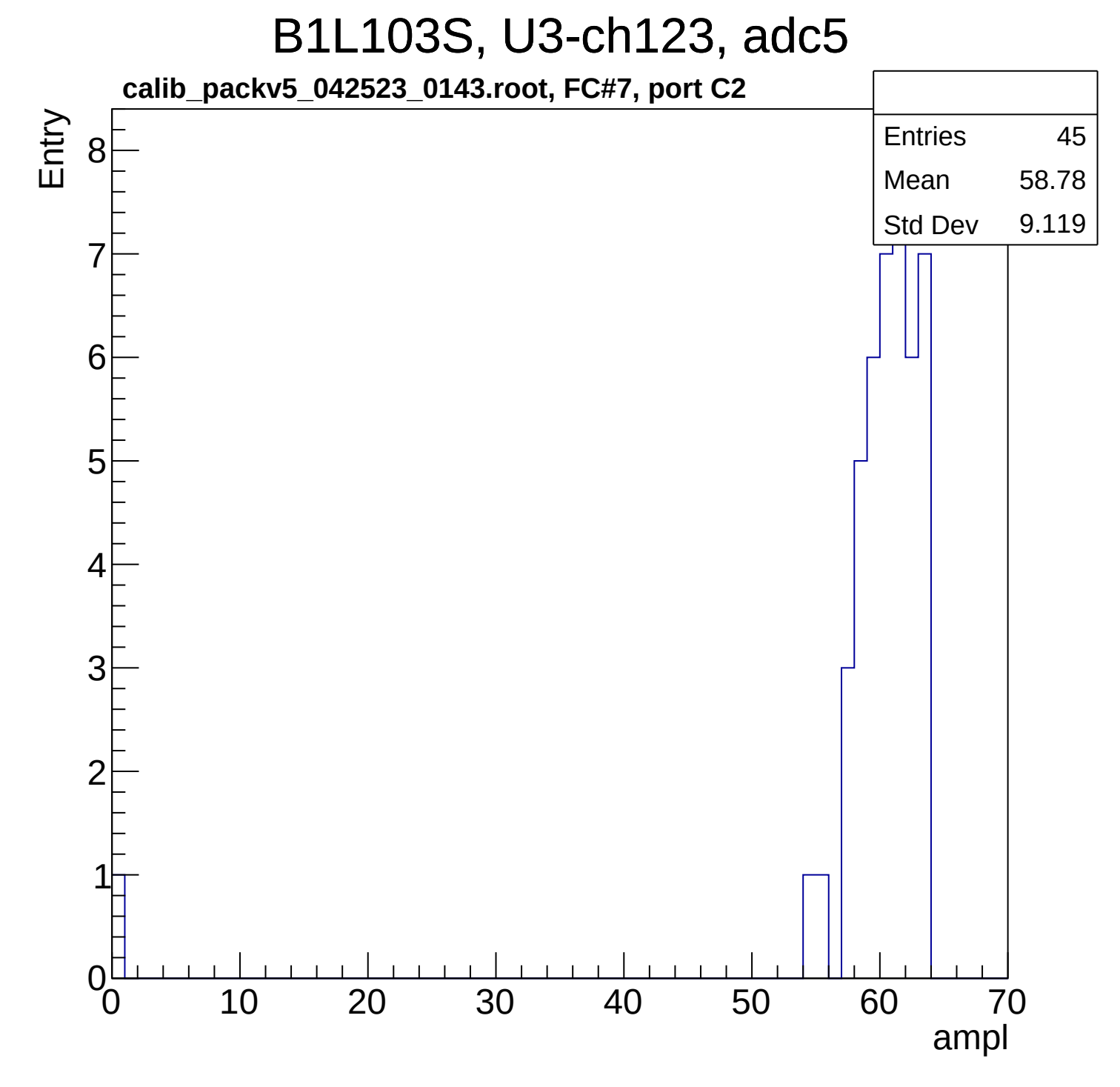
B1L103S, U3-ch123, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 45
Mean 58.78
Std Dev 9.119
Entry
ampl
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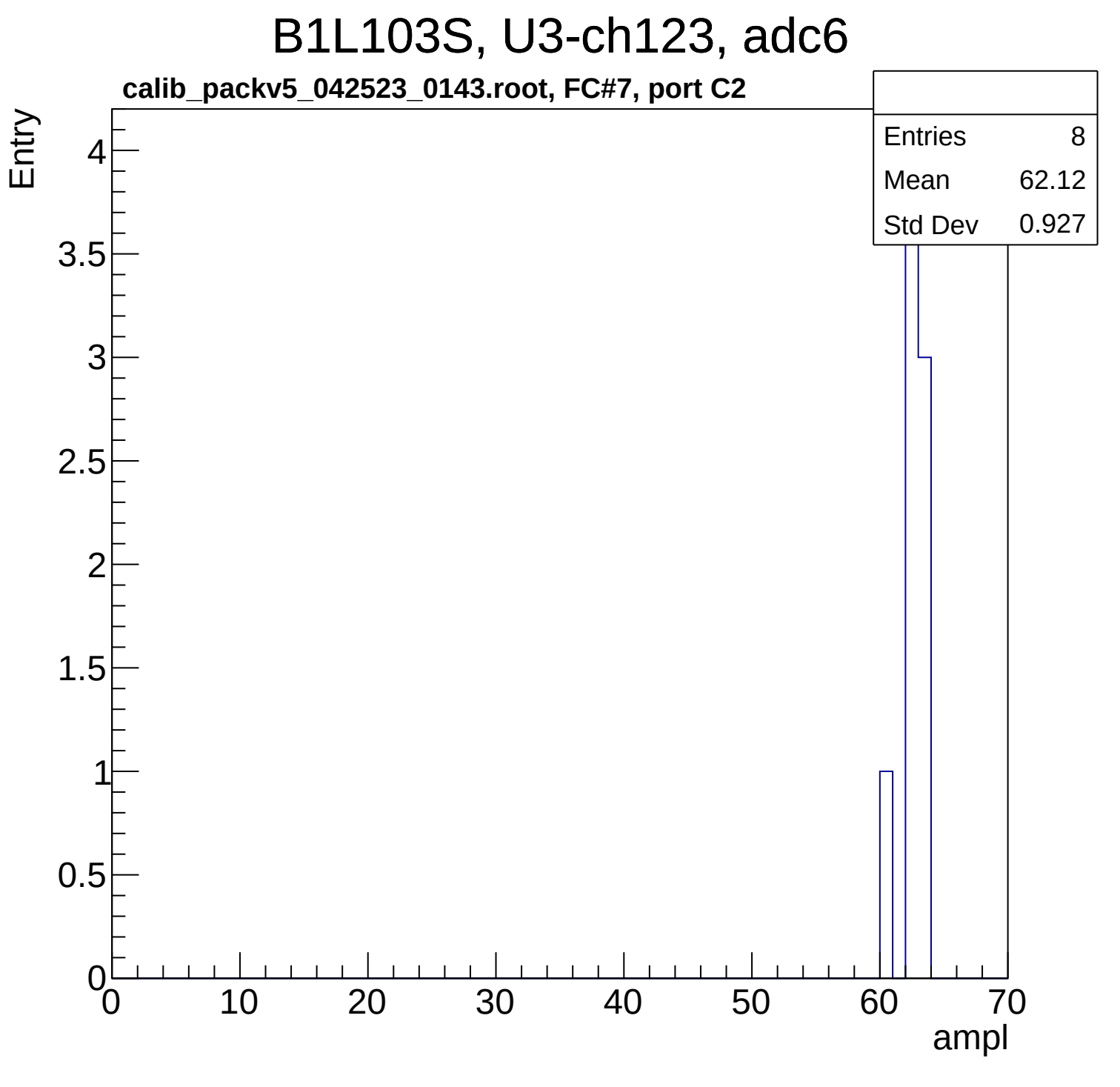
B1L103S, U3-ch123, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 8
Mean 62.12
Std Dev 0.927
Entry
ampl
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0.5
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1.5
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3.5
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0
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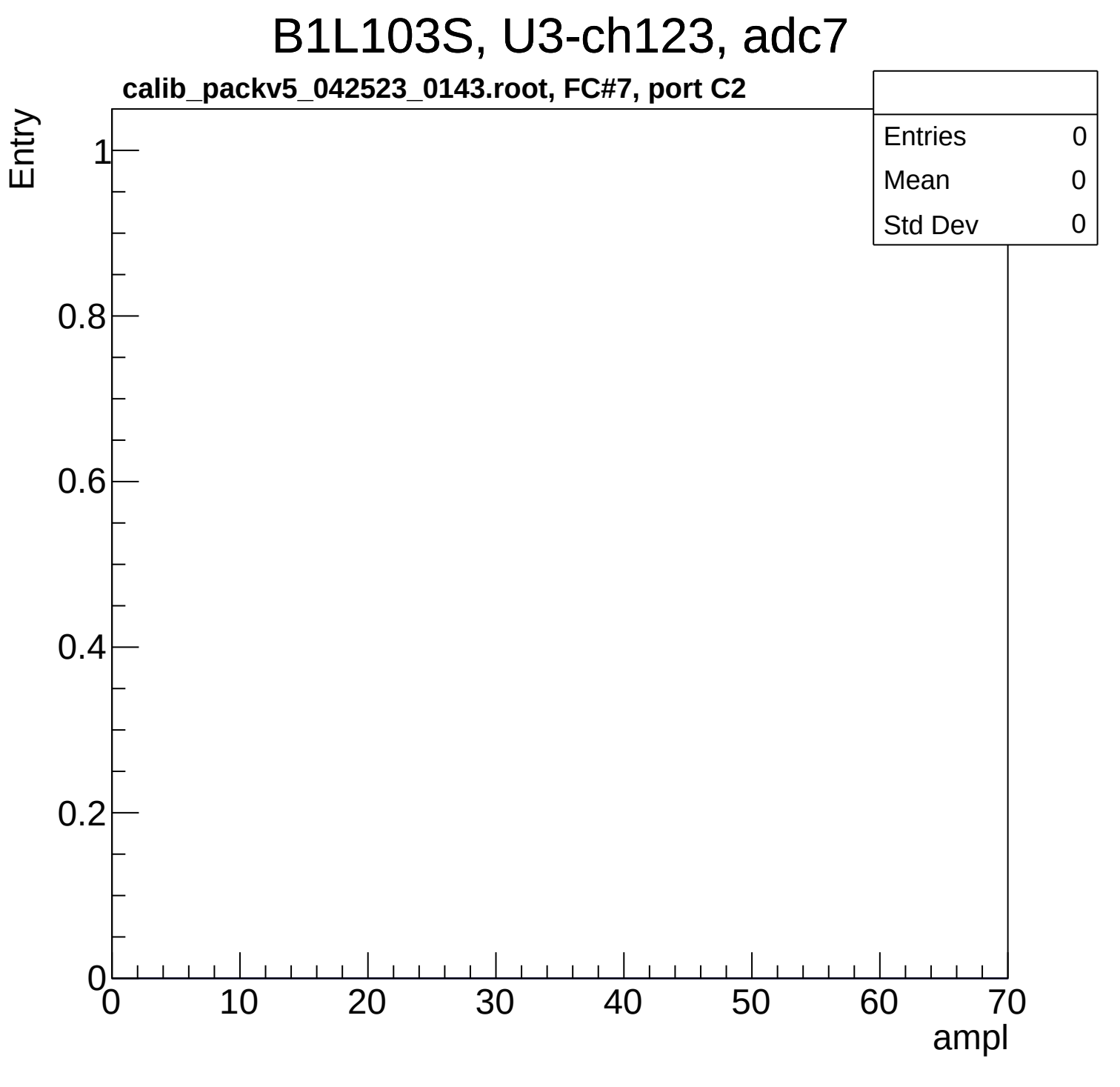
B1L103S, U3-ch123, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 0
Mean 0
Std Dev 0
Entry
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0.8
0.6
0.4
0.2
0
0
10
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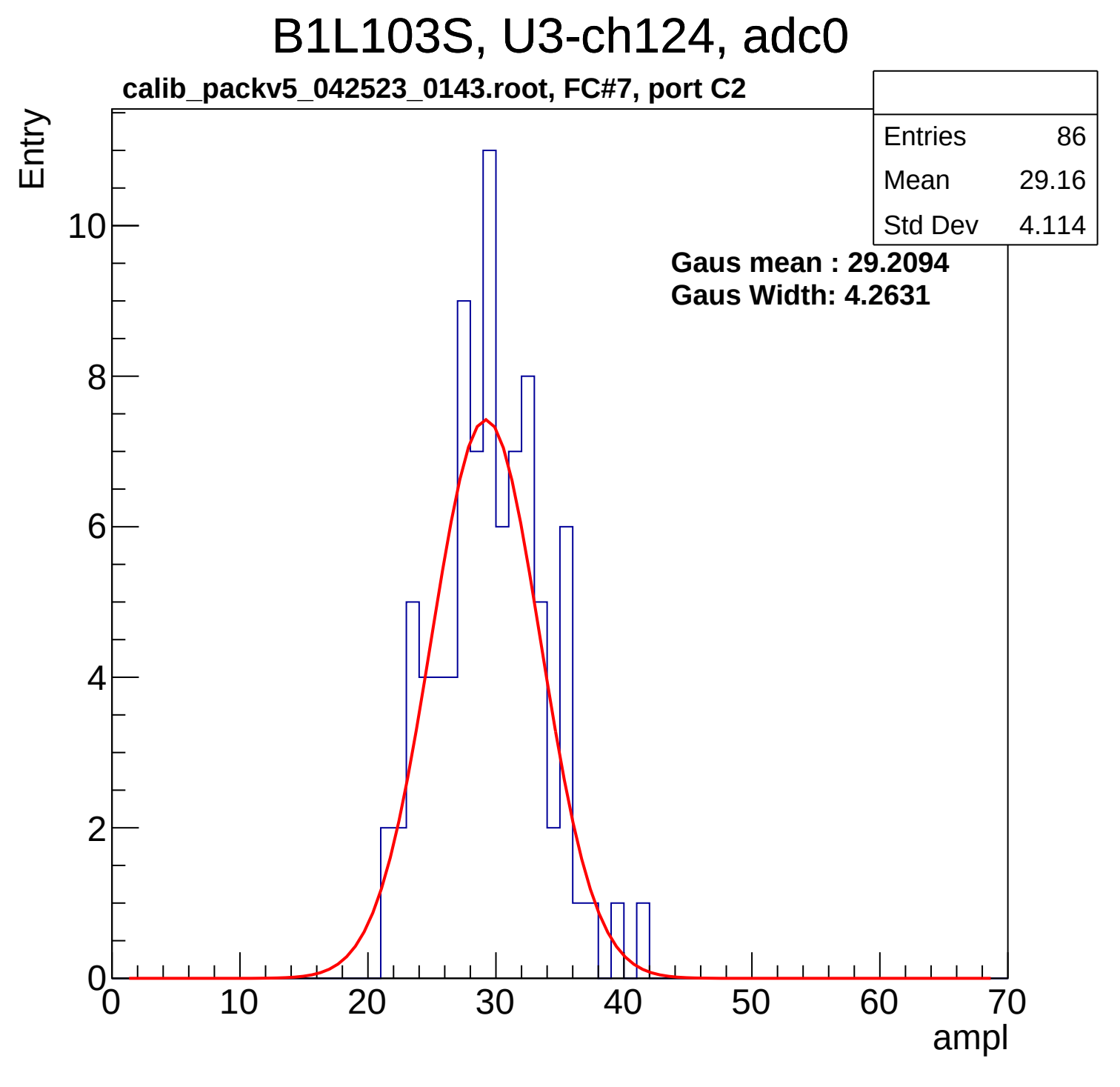
30
40
50
60
70
ampl


B1L103S, U3-ch124, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 86
Mean 29.16
Std Dev 4.114
Gaus mean : 29.2094
Gaus Width: 4.2631
Entry
ampl
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2
4
6
8
10
0
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20
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40
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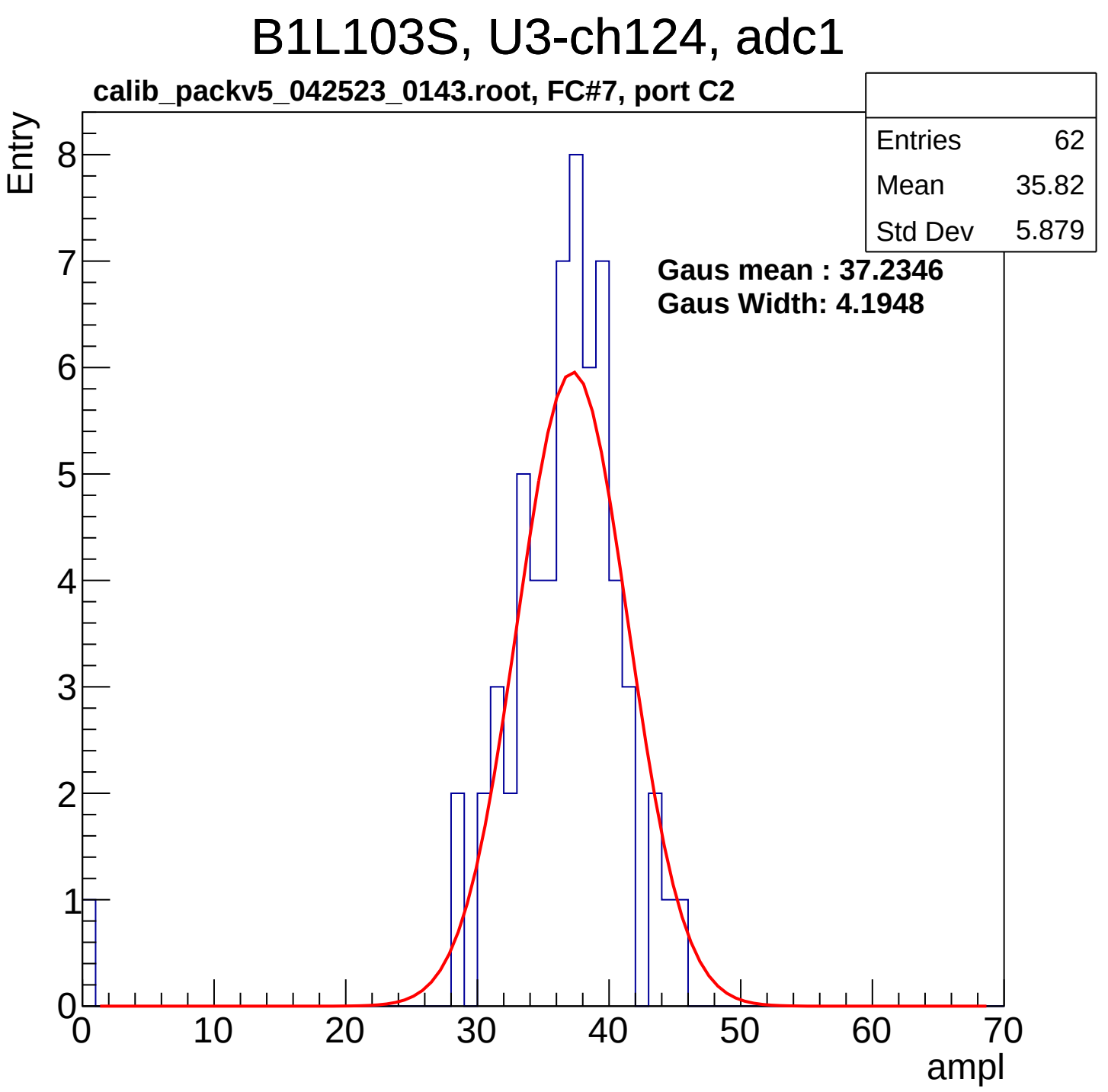
B1L103S, U3-ch124, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 35.82
Std Dev 5.879
Gaus mean : 37.2346
Gaus Width: 4.1948
Entry
ampl
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2
3
4
5
6
7
8
0
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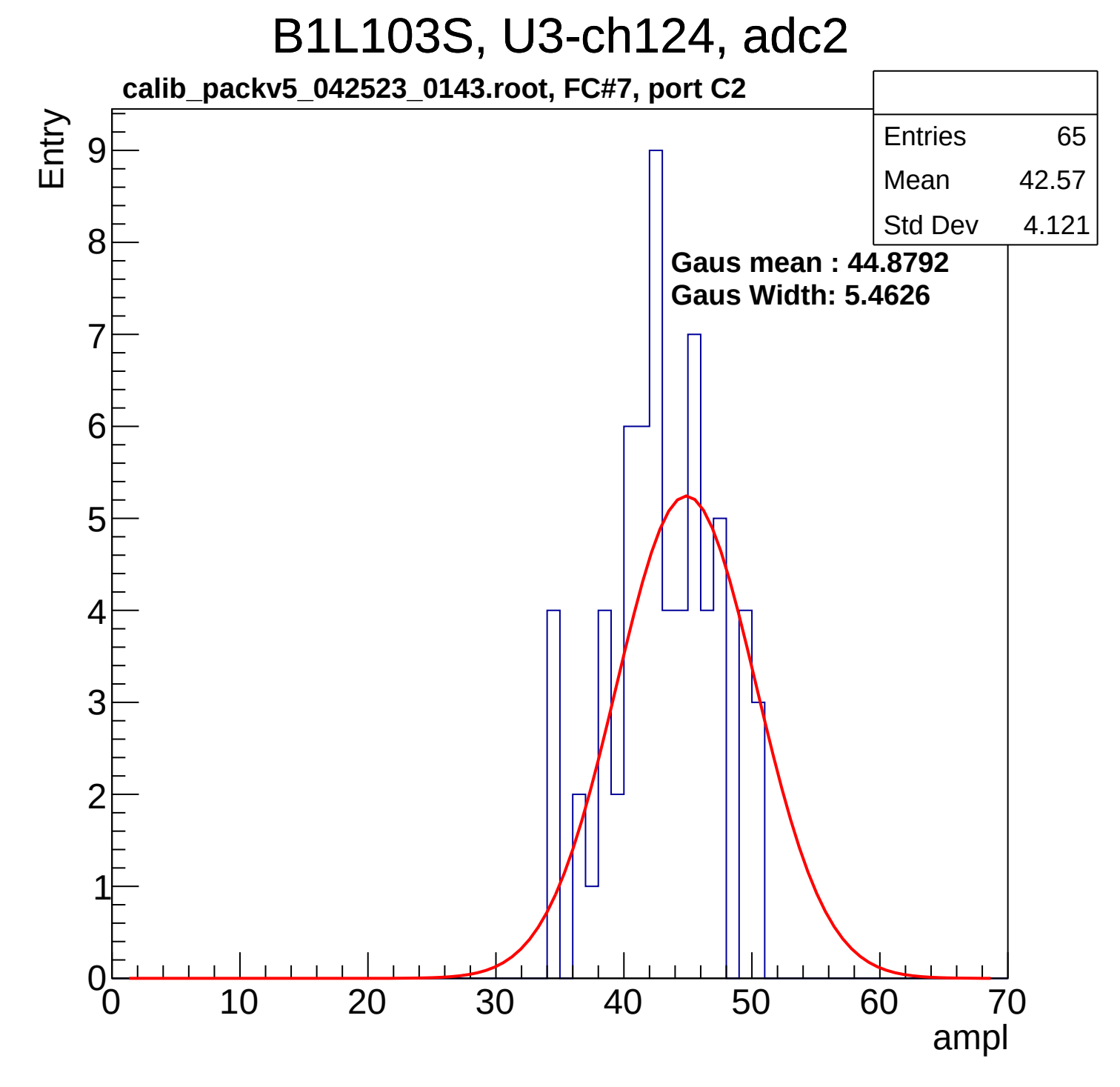
B1L103S, U3-ch124, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 42.57
Std Dev 4.121
Gaus mean : 44.8792
Gaus Width: 5.4626
Entry
ampl
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1
2
3
4
5
6
7
8
9
0
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40
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60
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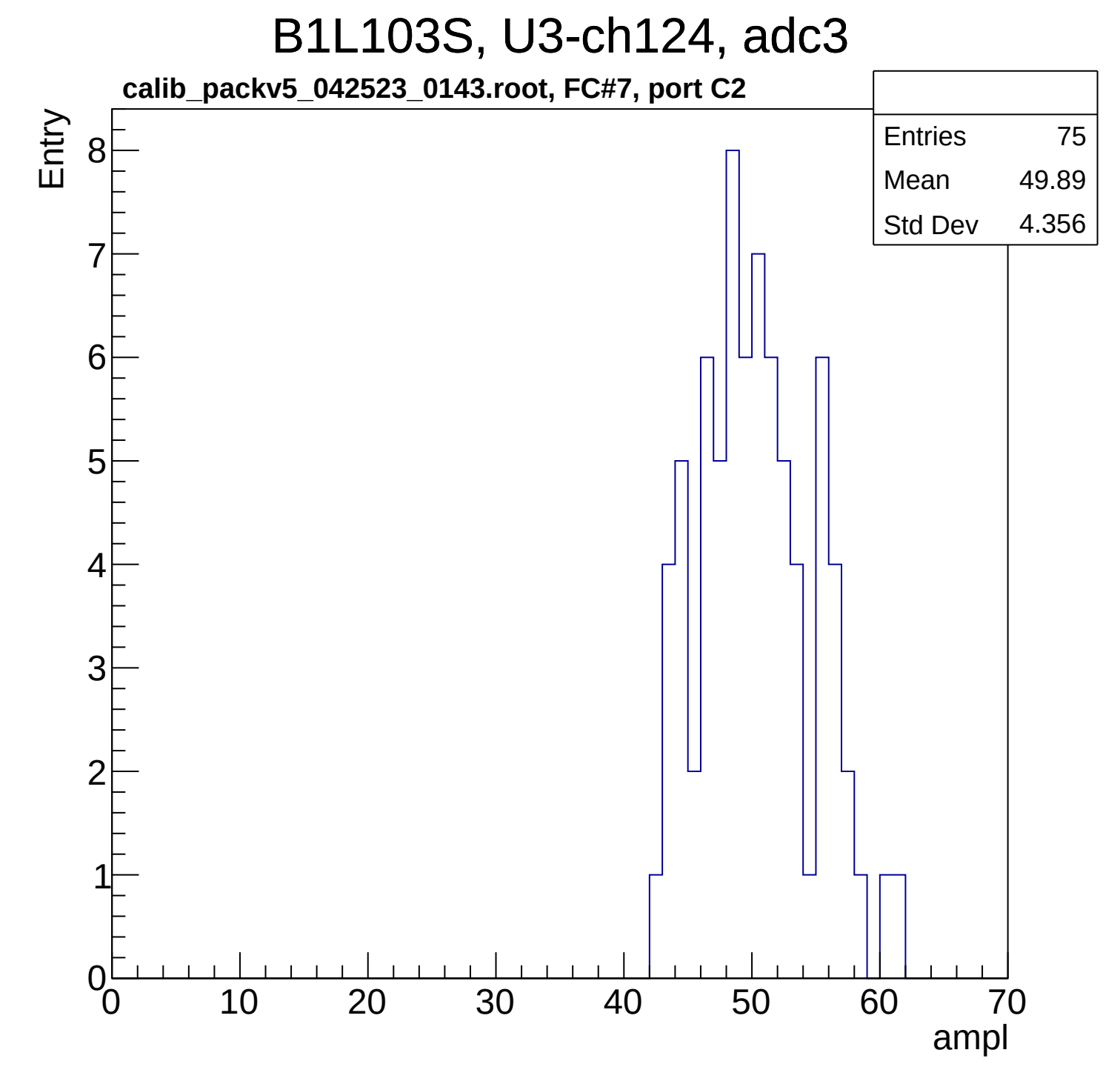
B1L103S, U3-ch124, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 49.89
Std Dev 4.356
Entry
ampl
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1
2
3
4
5
6
7
8
0
10
20
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40
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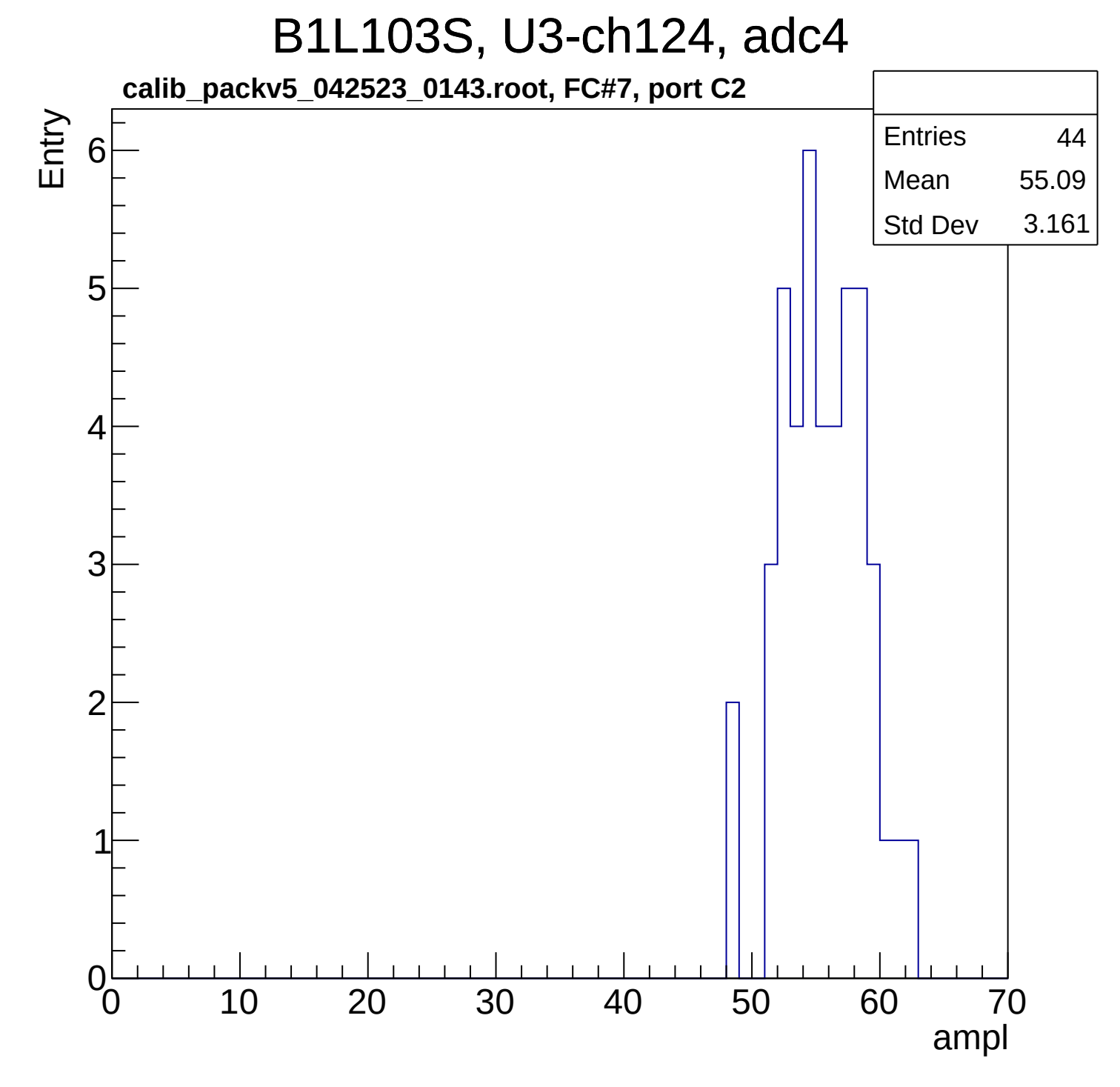
B1L103S, U3-ch124, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 55.09
Std Dev 3.161
Entry
ampl
0
1
2
3
4
5
6
0
10
20
30
40
50
60
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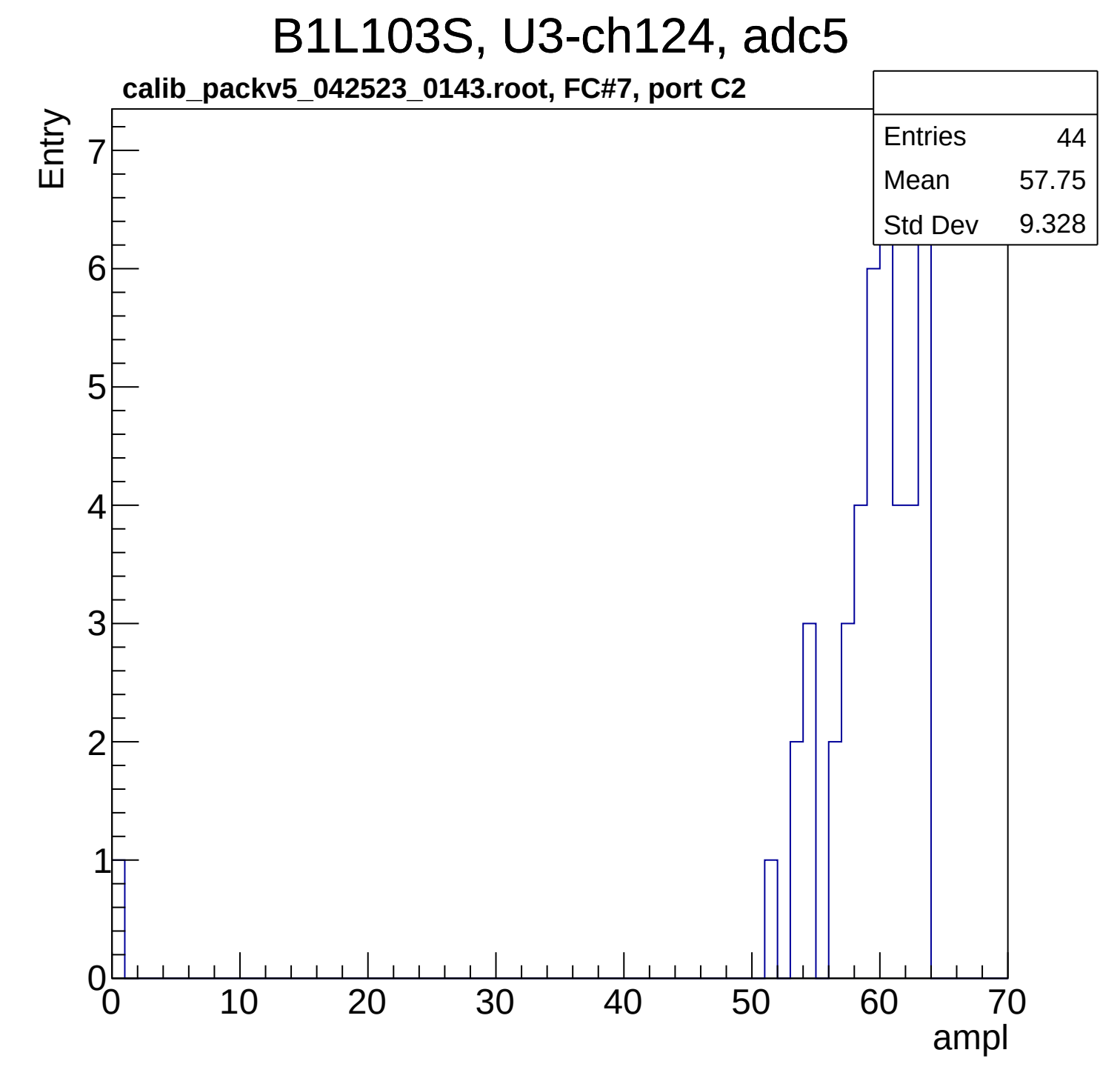
B1L103S, U3-ch124, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 57.75
Std Dev 9.328
Entry
ampl
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1
2
3
4
5
6
7
0
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60
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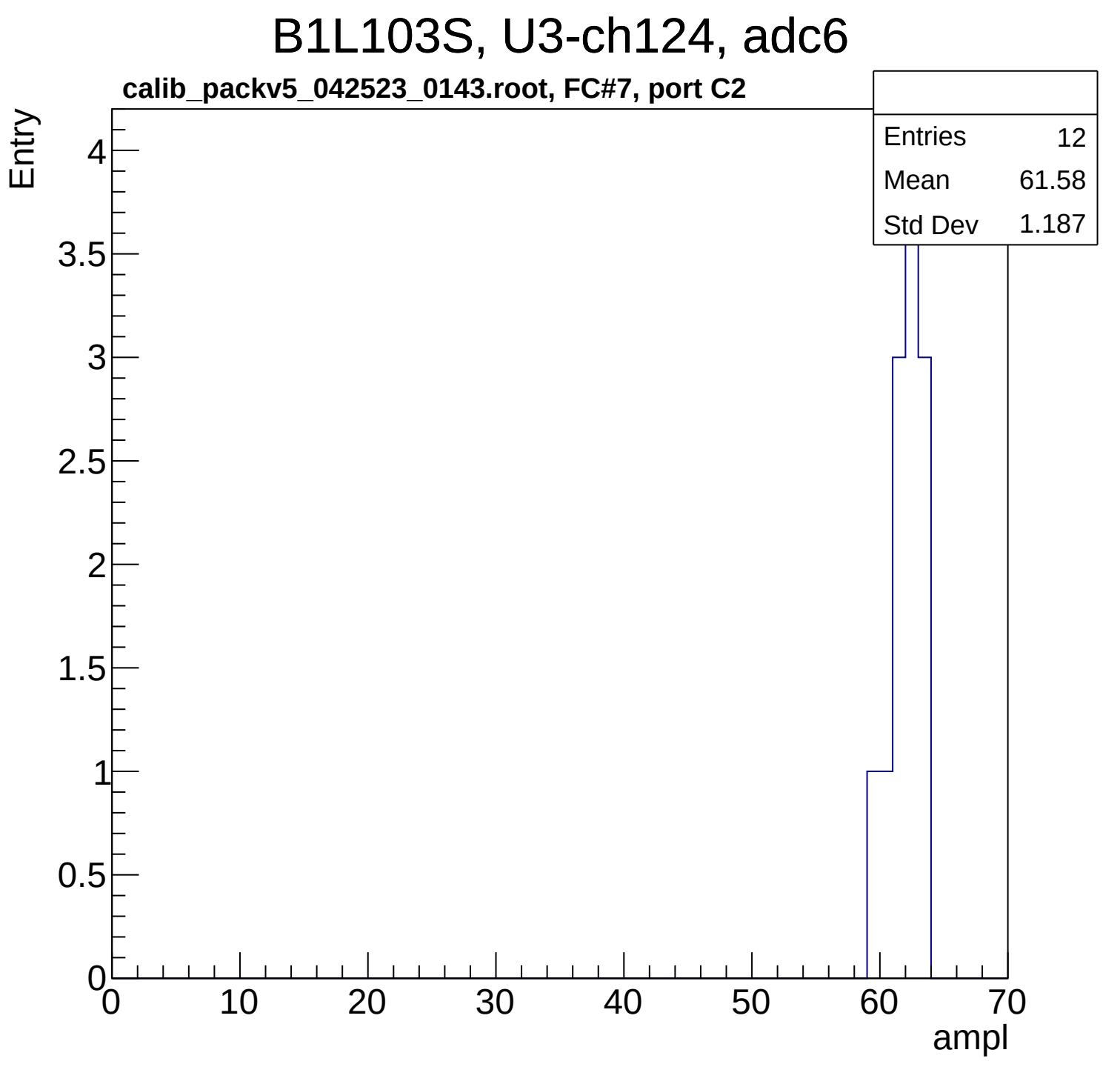
B1L103S, U3-ch124, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 61.58
Std Dev 1.187
Entry
ampl
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0.5
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1.5
2
2.5
3
3.5
4
0
10
20
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60
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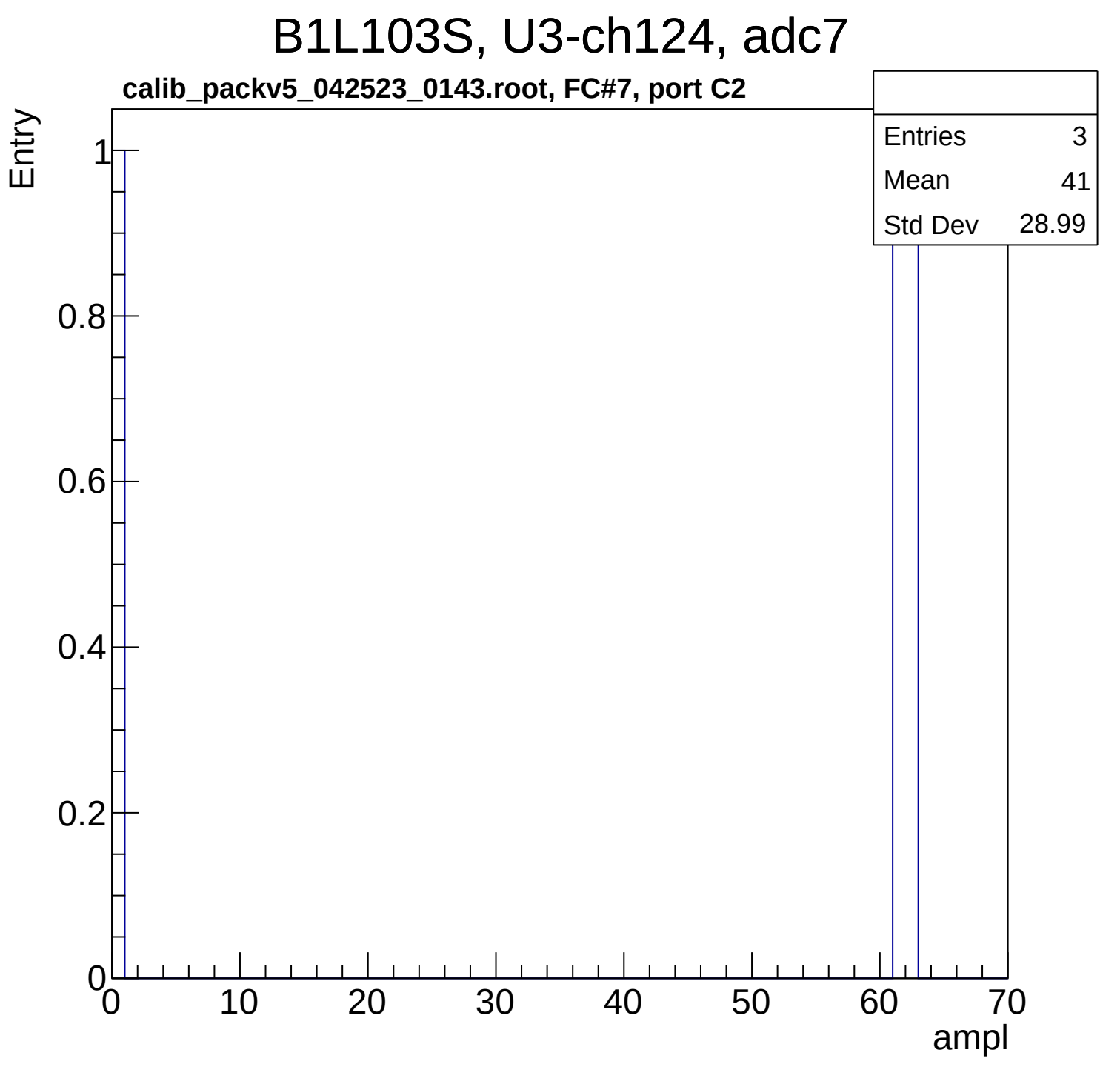
B1L103S, U3-ch124, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 3
Mean 41
Std Dev 28.99
Entry
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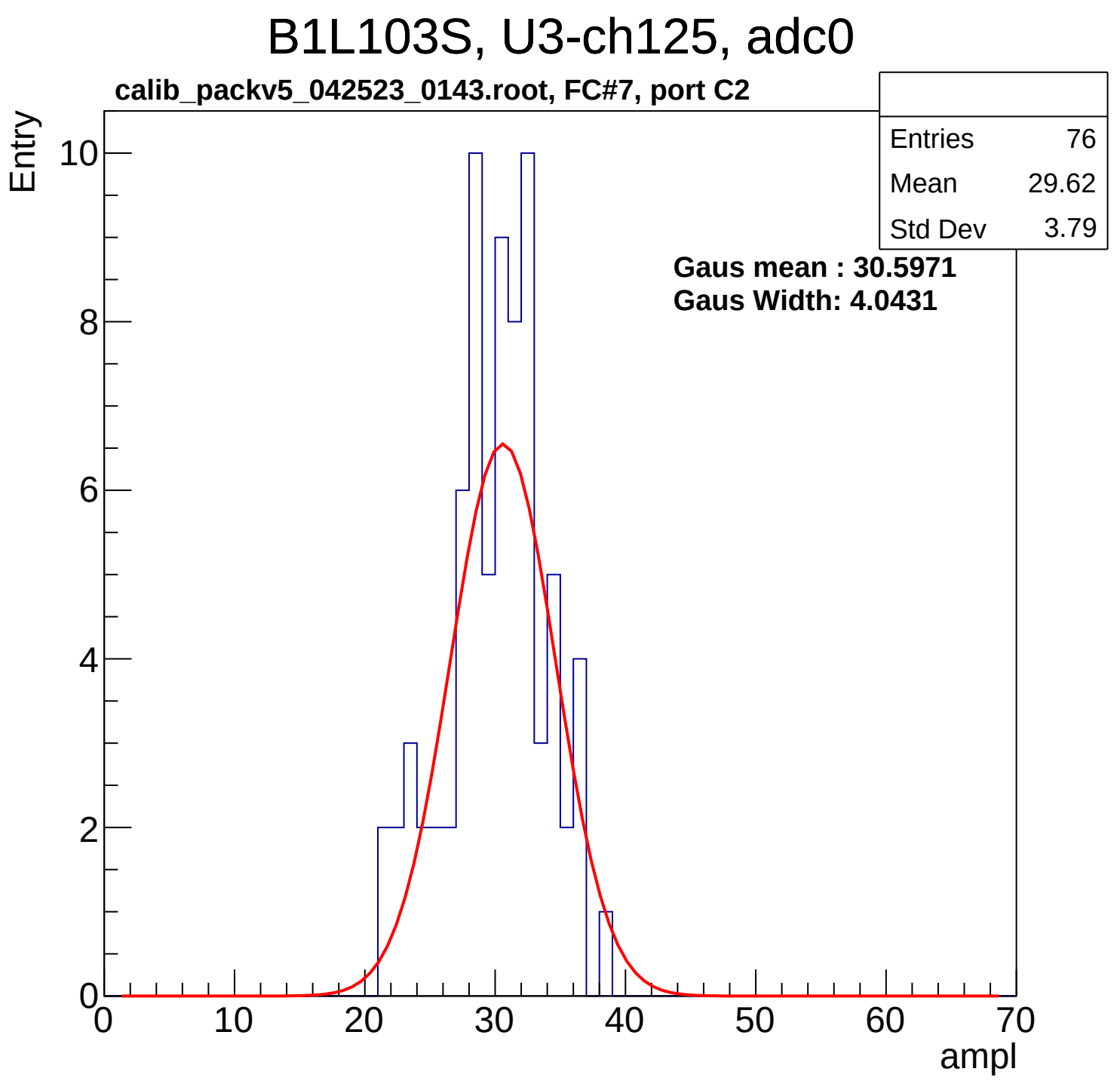
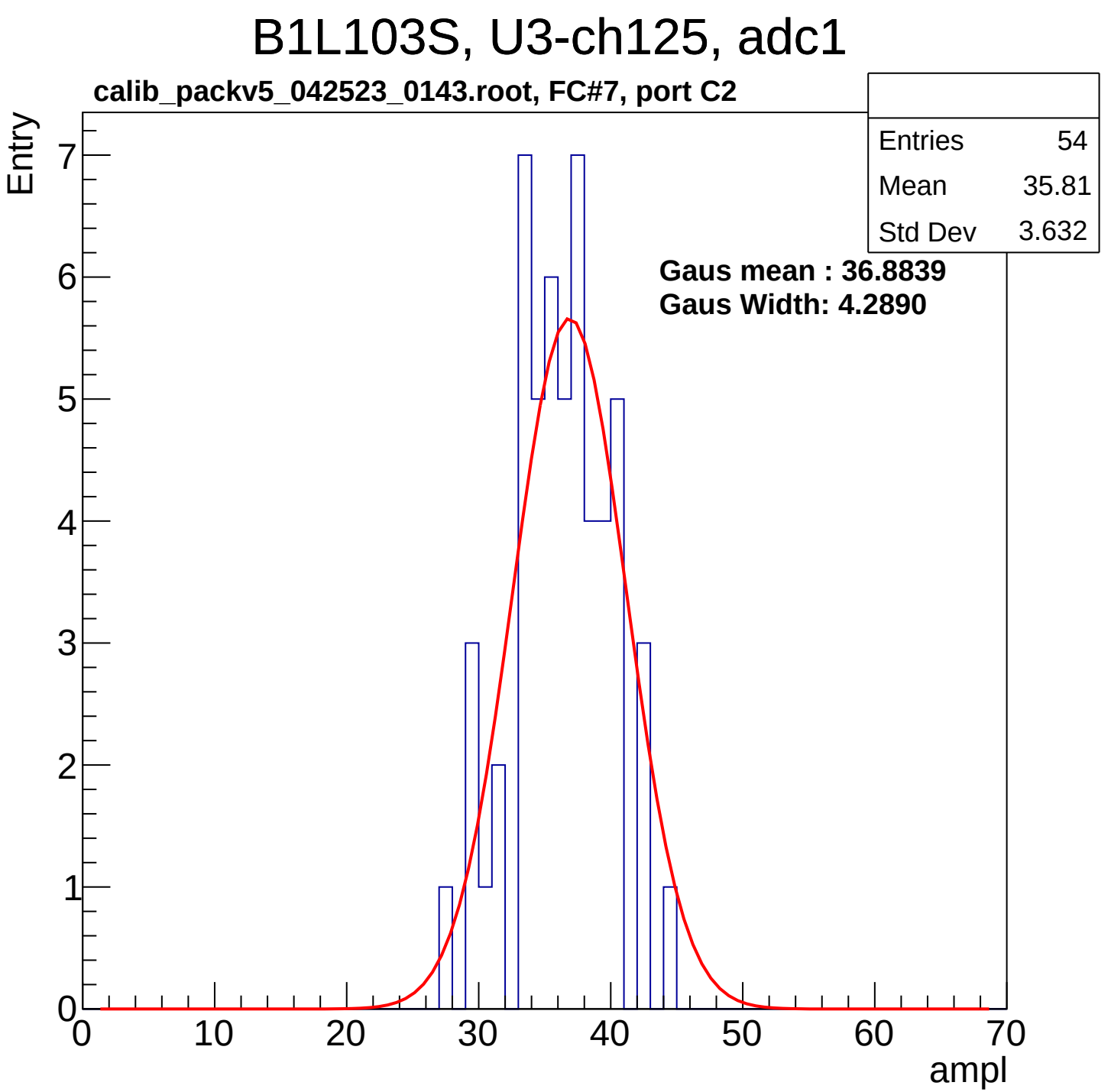
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
ampl


B1L103S, U3-ch125, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 76
Mean 29.62
Std Dev 3.79
Gaus mean : 30.5971
Gaus Width: 4.0431
Entry
ampl
0
2
4
6
8
10
0
10
20
30
40
50
60
70


B1L103S, U3-ch125, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 54
Mean 35.81
Std Dev 3.632
Gaus mean : 36.8839
Gaus Width: 4.2890
Entry
ampl
0
1
2
3
4
5
6
7
0
10
20
30
40
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60
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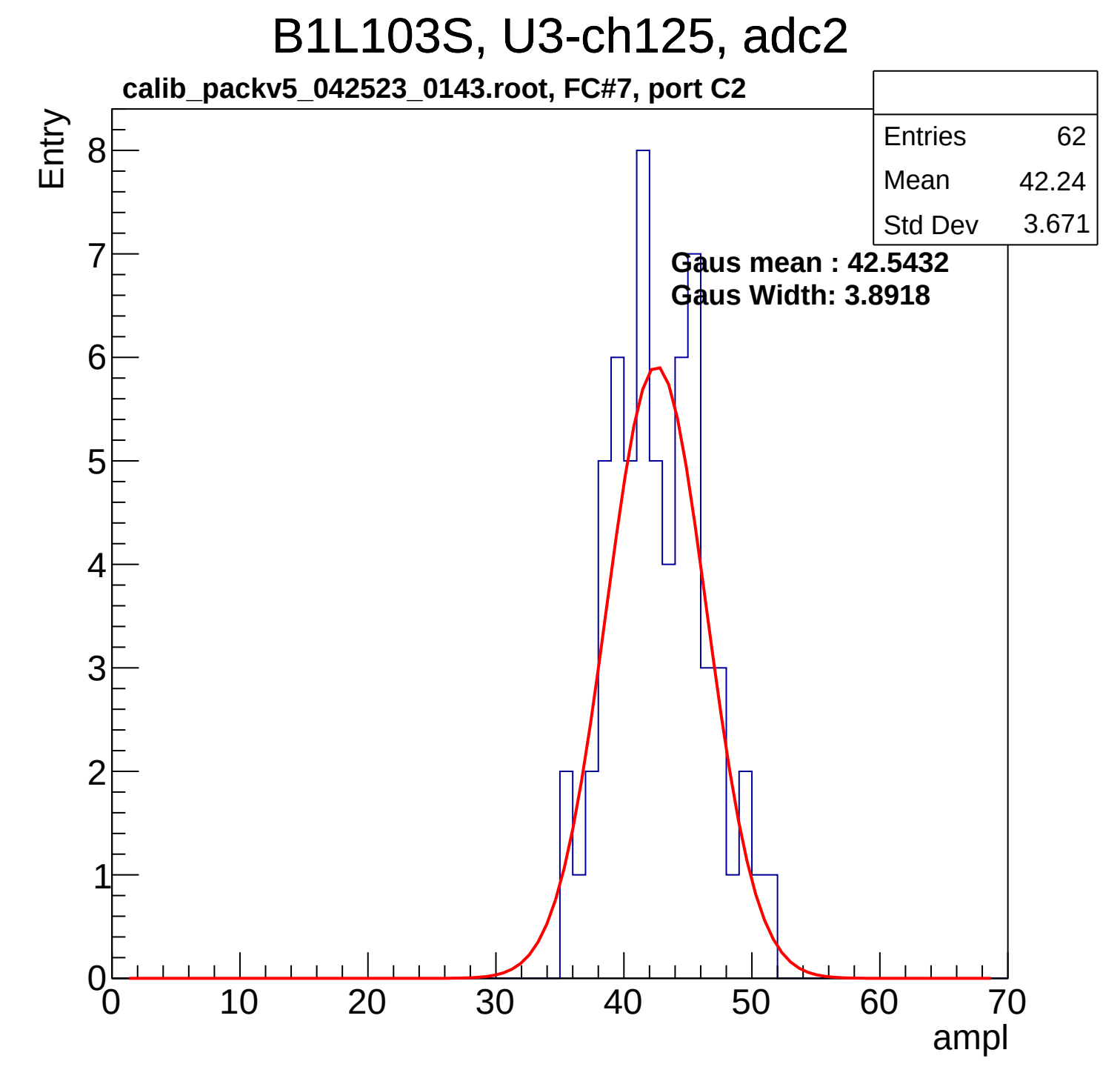
B1L103S, U3-ch125, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 62
Mean 42.24
Std Dev 3.671
Gaus mean : 42.5432
Gaus Width: 3.8918
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
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40
50
60
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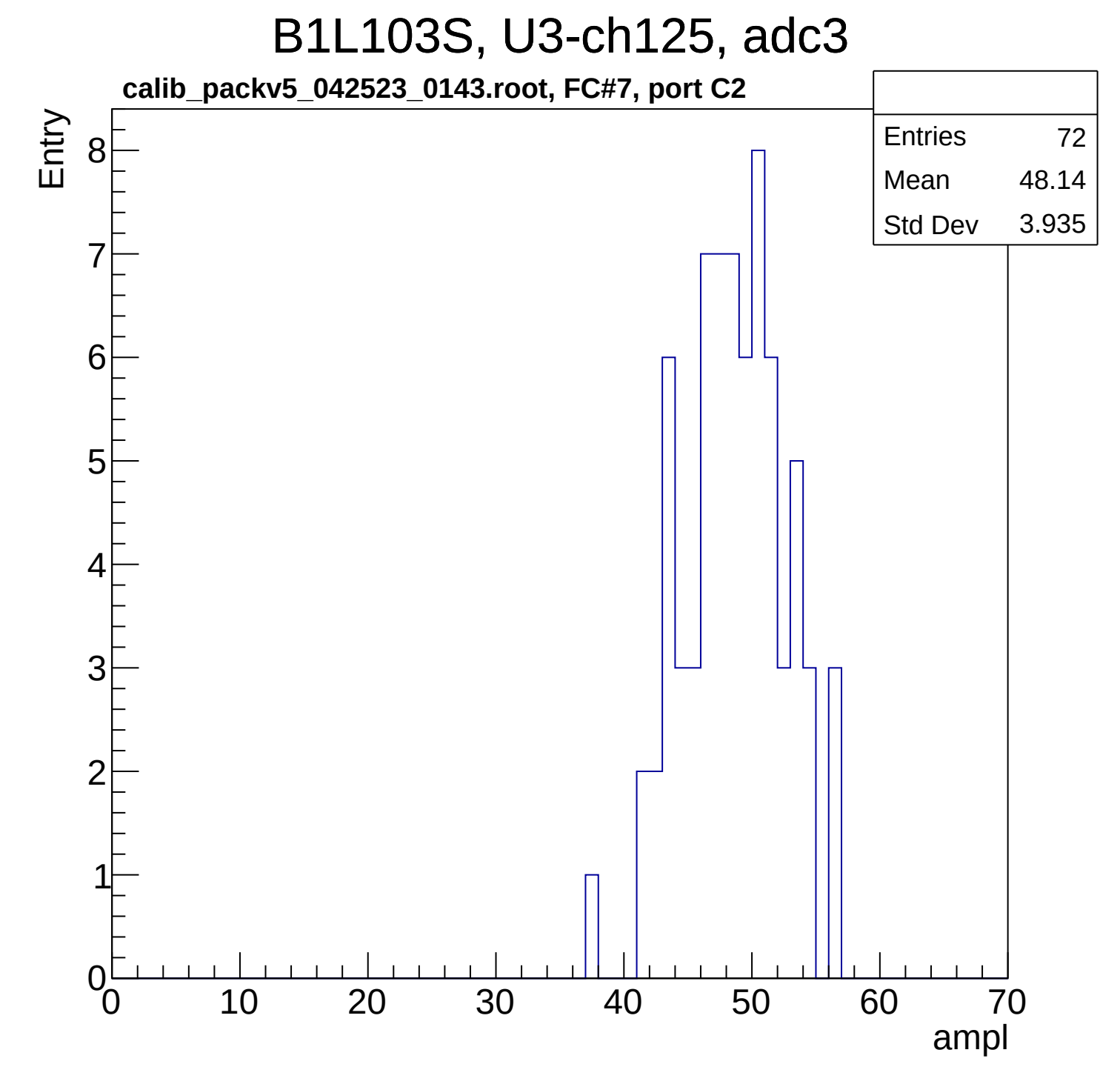
B1L103S, U3-ch125, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 48.14
Std Dev 3.935
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
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60
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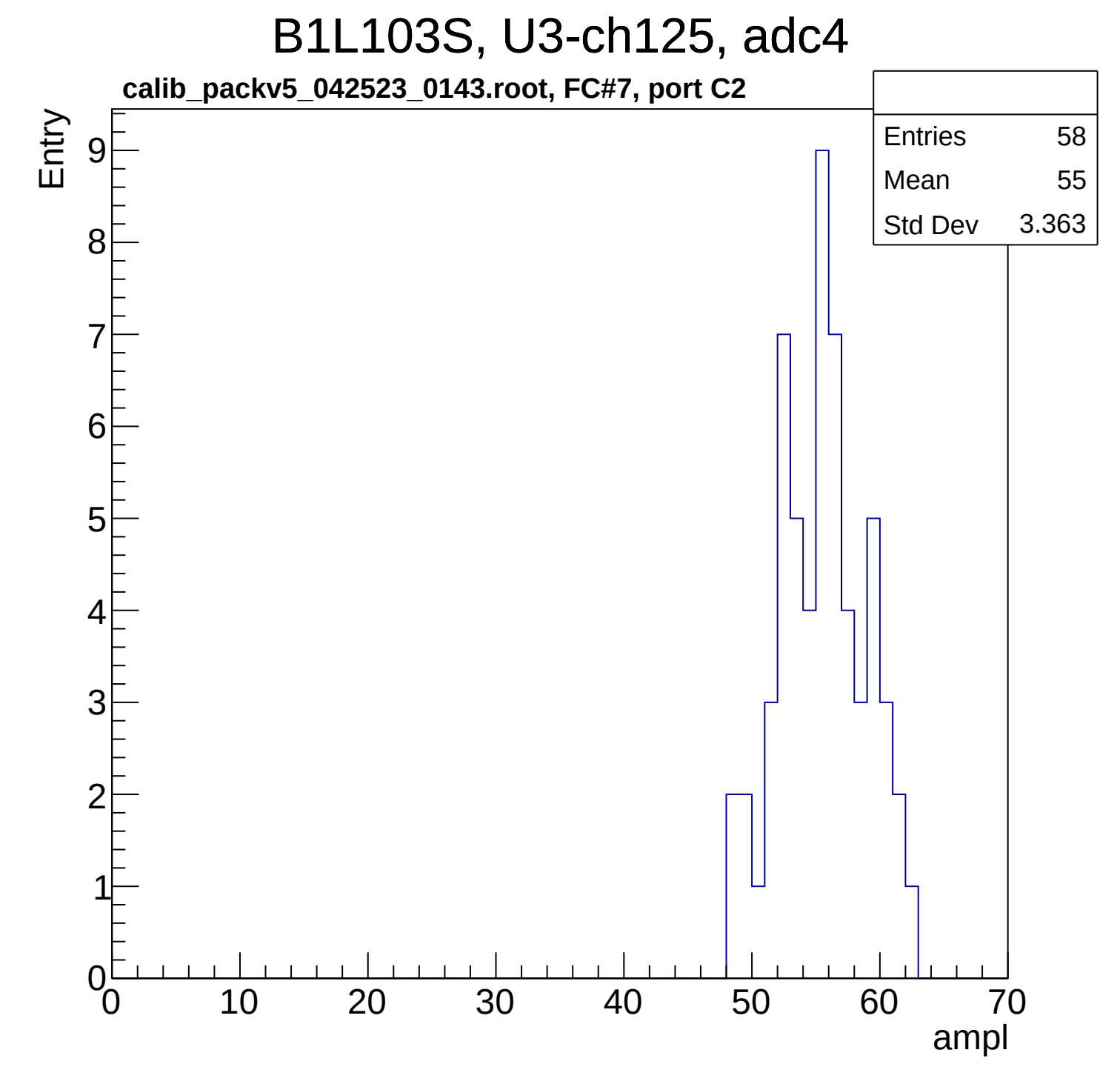
B1L103S, U3-ch125, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 58
Mean 55
Std Dev 3.363
Entry
ampl
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3
4
5
6
7
8
9
0
10
20
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60
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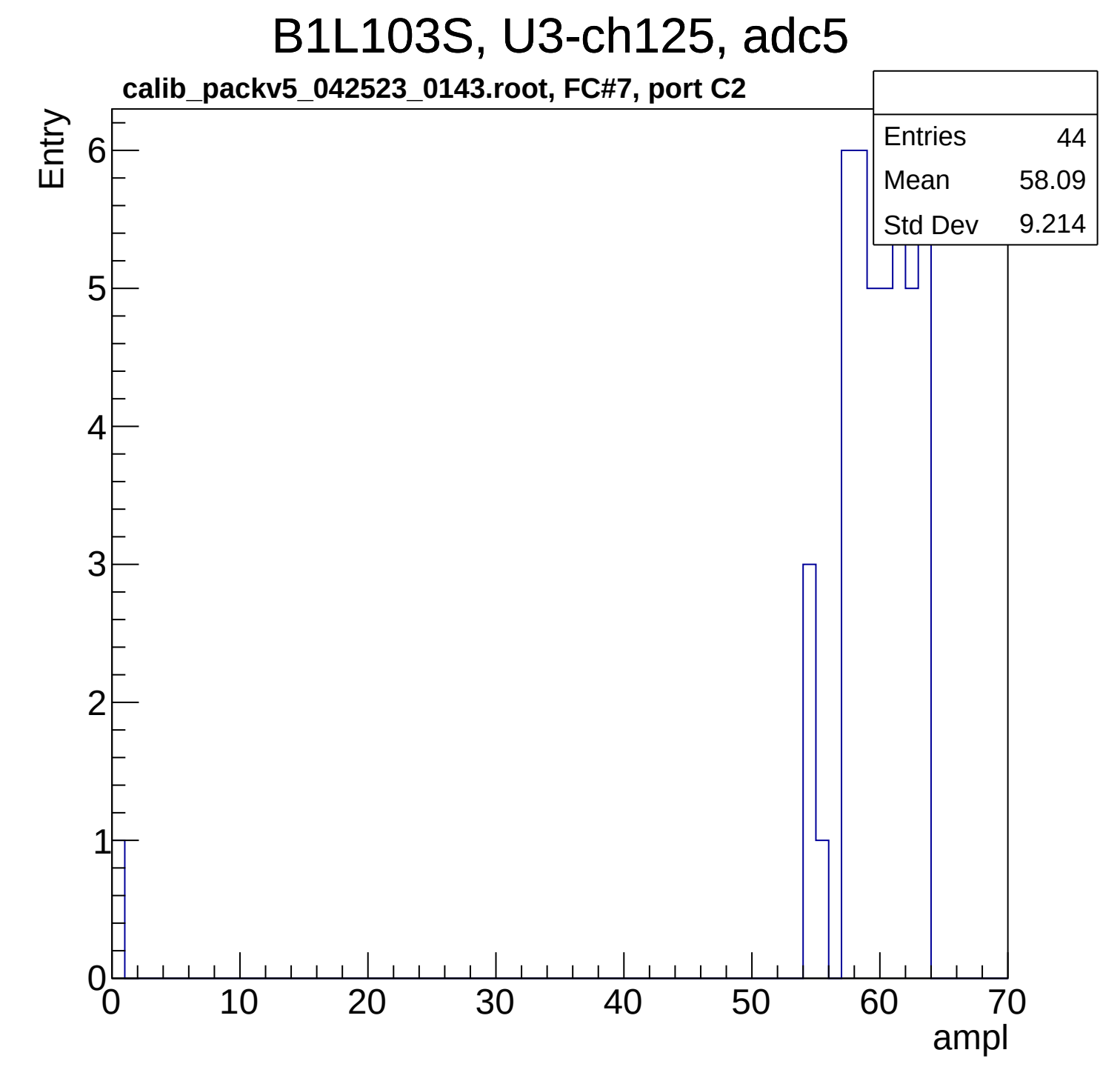
B1L103S, U3-ch125, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 44
Mean 58.09
Std Dev 9.214
Entry
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2
3
4
5
6
0
10
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30
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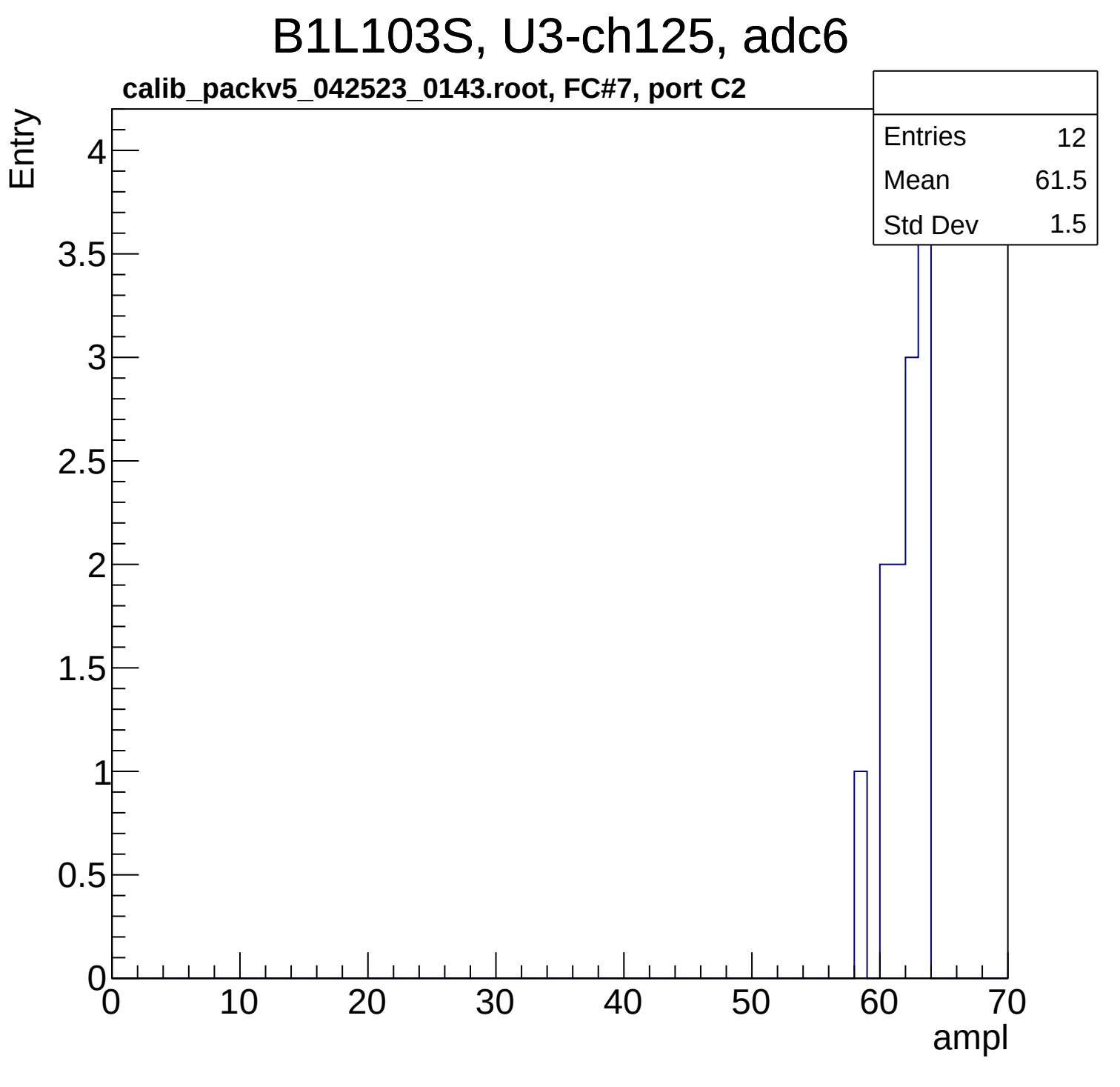
50
60
70
ampl


B1L103S, U3-ch125, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 12
Mean 61.5
Std Dev 1.5
Entry
ampl
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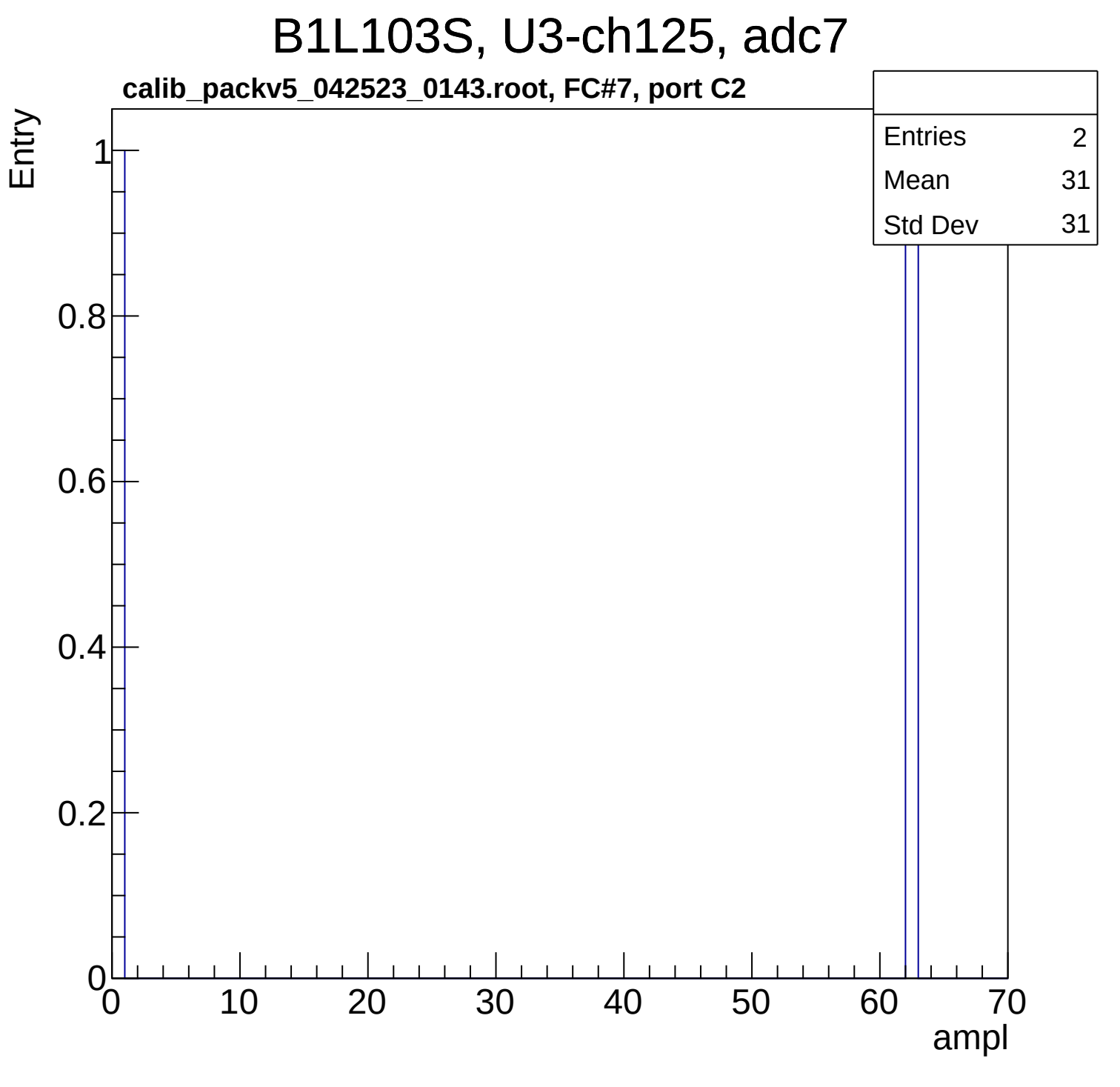
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch125, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 2
Mean 31
Std Dev 31
Entry
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0.6
0.4
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10
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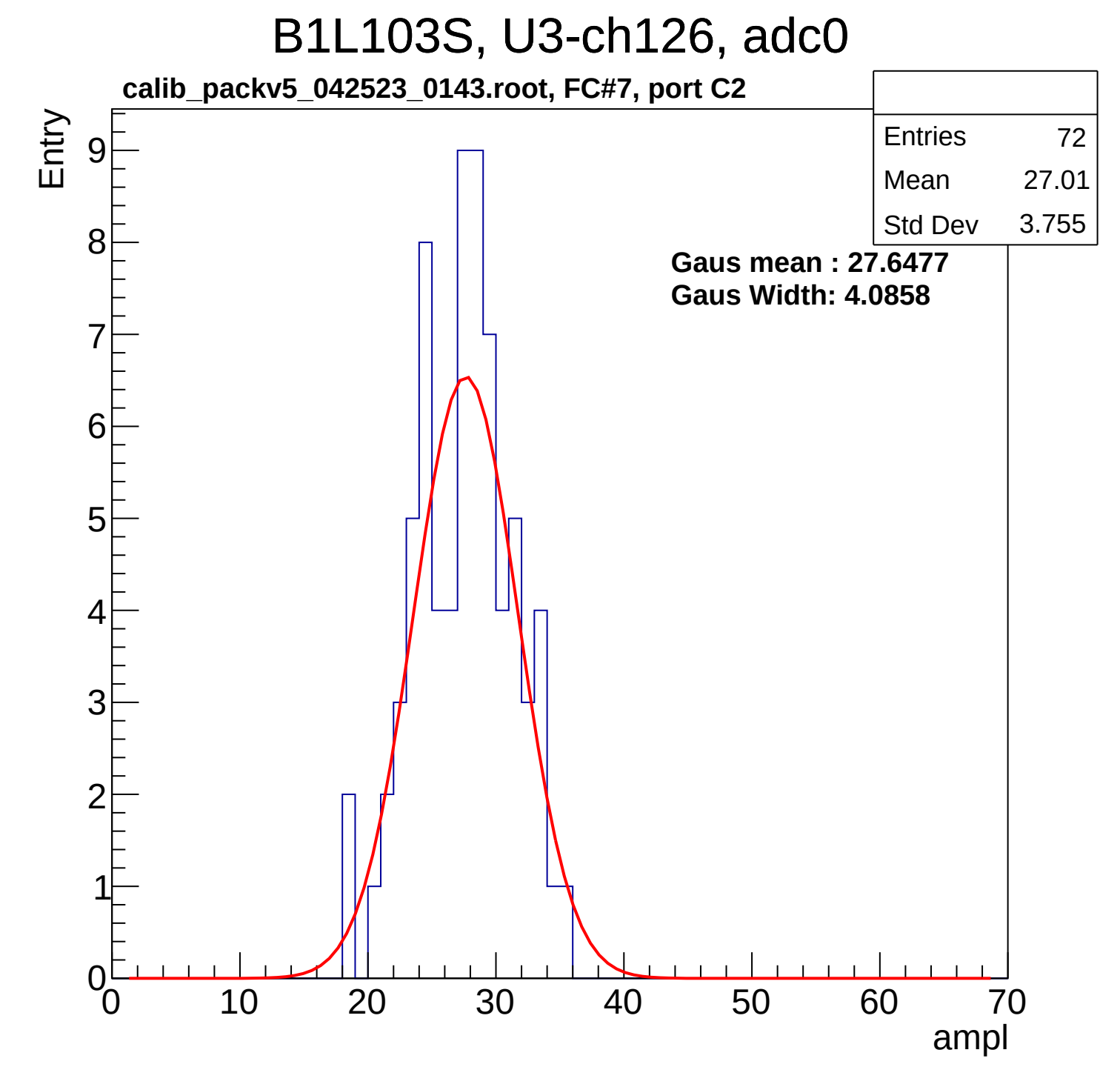
40
50
60
70
ampl


B1L103S, U3-ch126, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 27.01
Std Dev 3.755
Gaus mean : 27.6477
Gaus Width: 4.0858
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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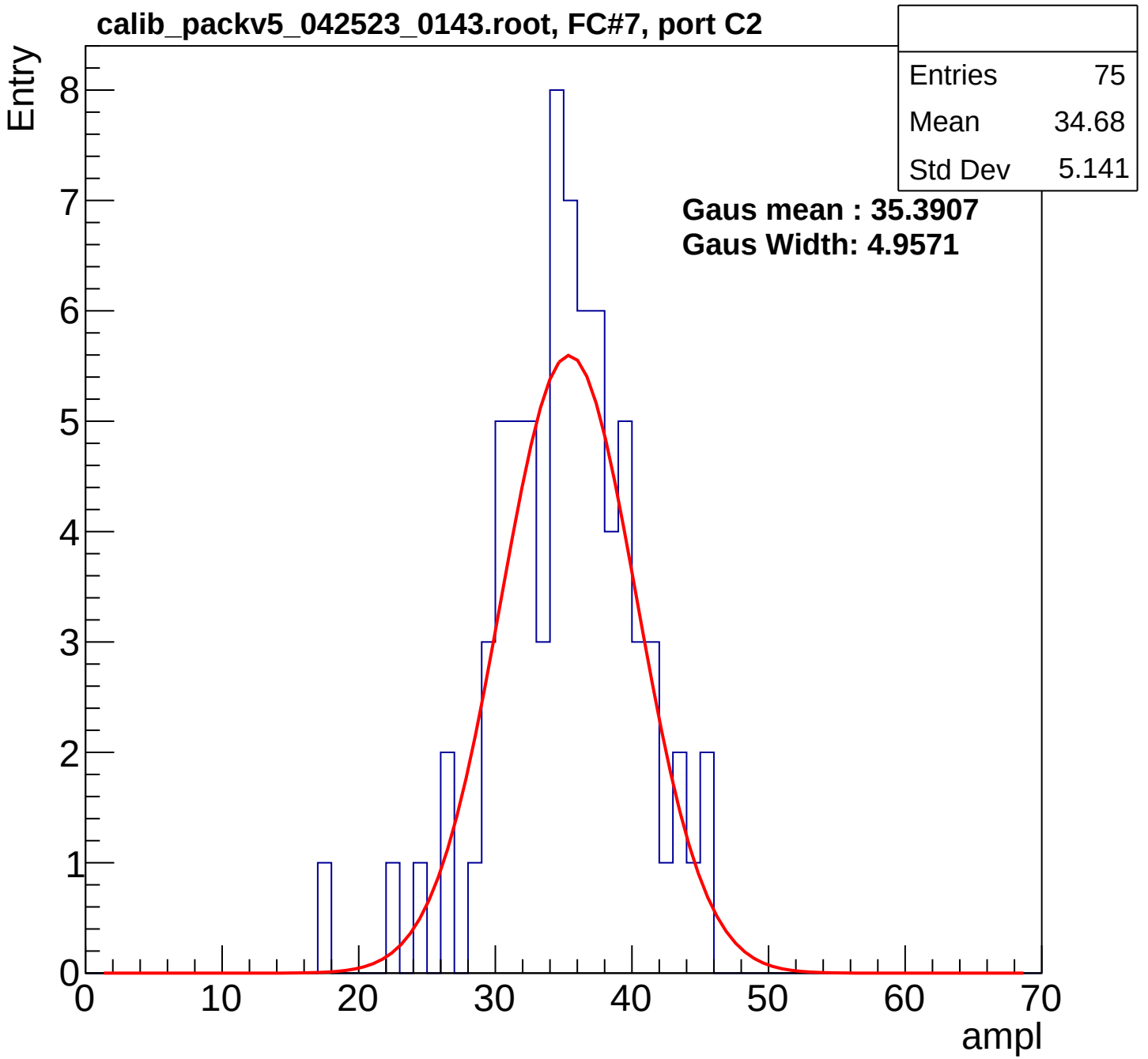
B1L103S, U3-ch126, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 75
Mean 34.68
Std Dev 5.141
Gaus mean : 35.3907
Gaus Width: 4.9571
Entry
ampl
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1
2
3
4
5
6
7
8
0
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20
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40
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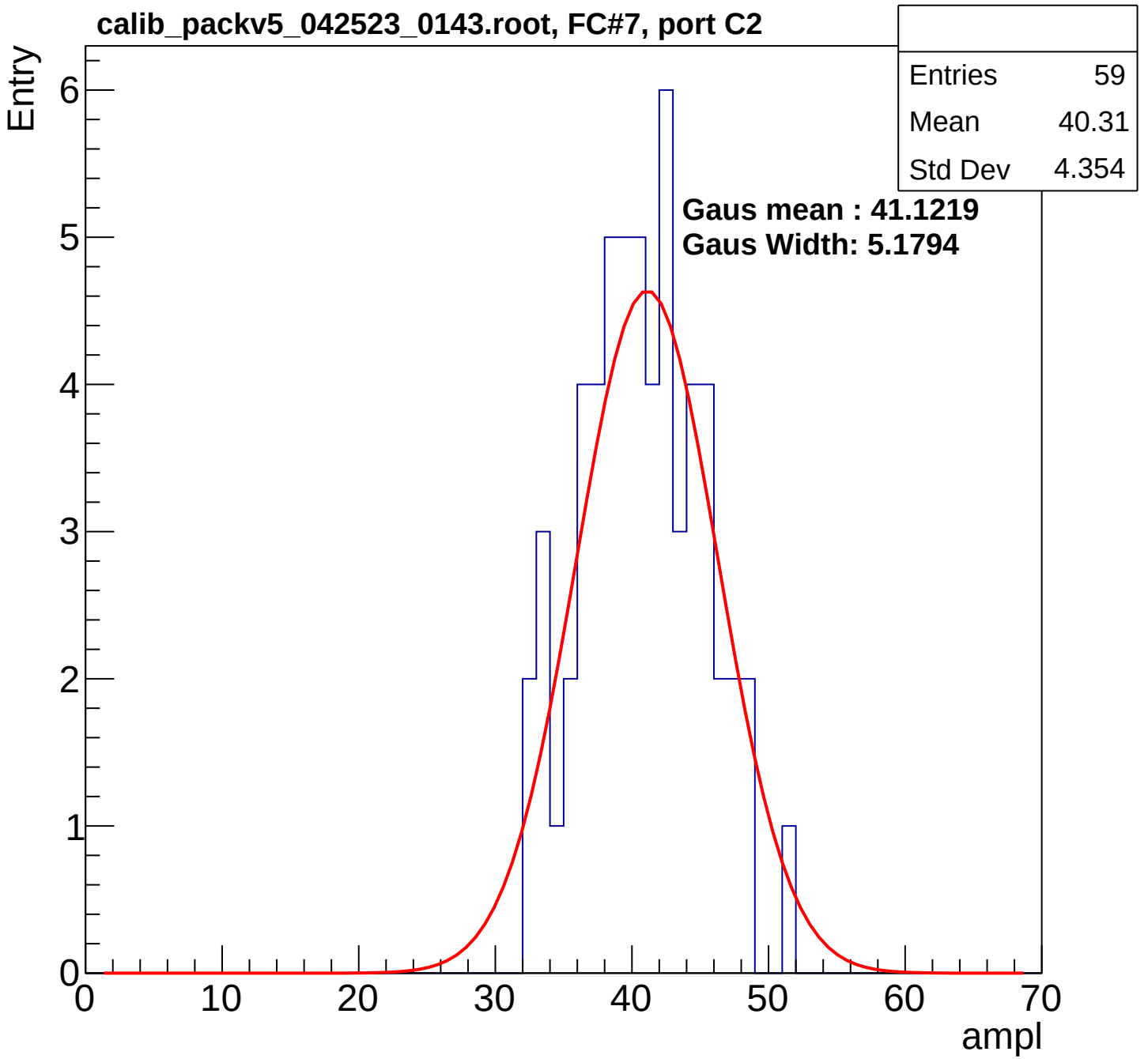
60
70


B1L103S, U3-ch126, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 59
Mean 40.31
Std Dev 4.354
Gaus mean : 41.1219
Gaus Width: 5.1794
Entry
ampl
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2
3
4
5
6
0
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20
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40
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60
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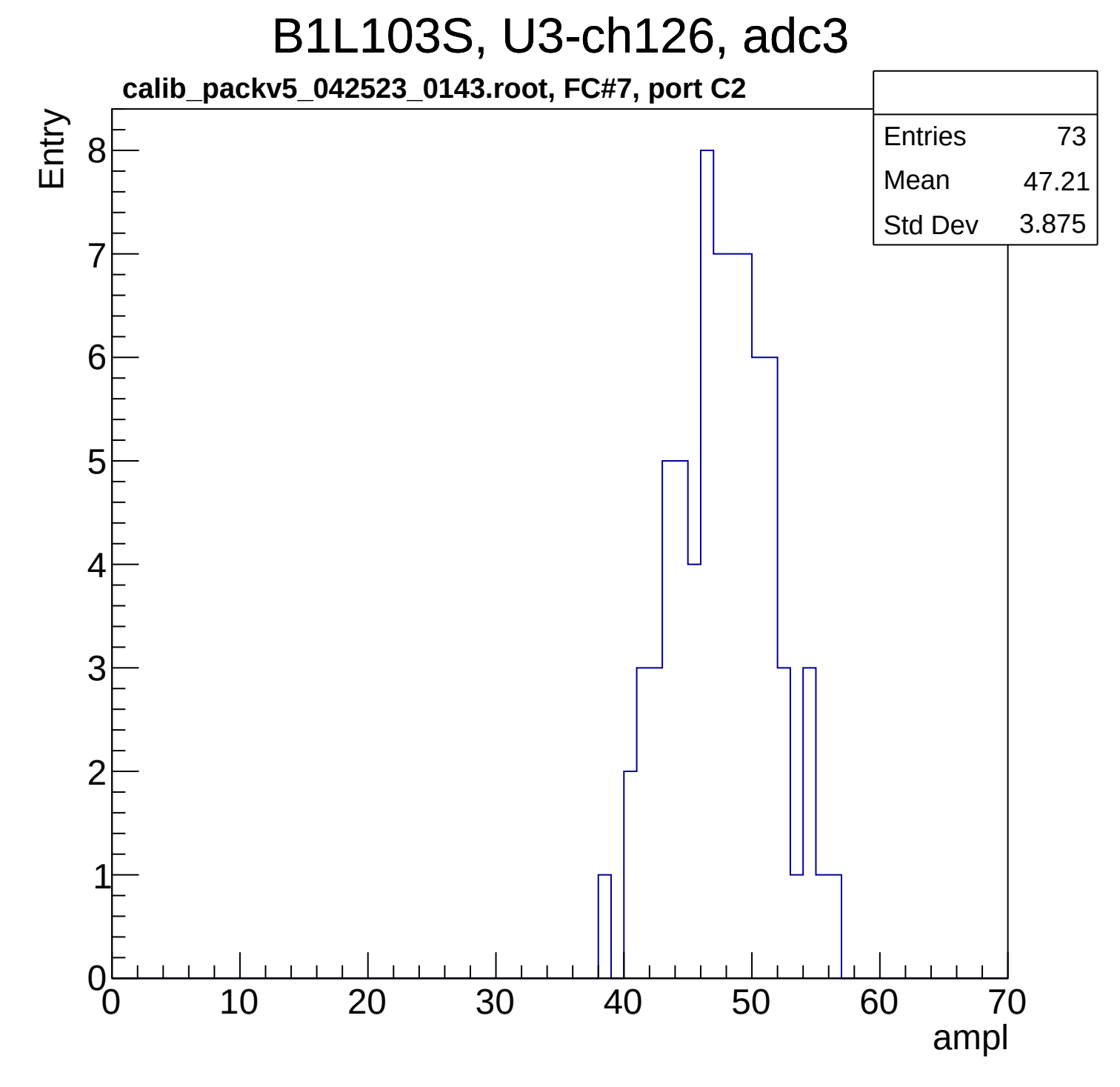
B1L103S, U3-ch126, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 73
Mean 47.21
Std Dev 3.875
Entry
ampl
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4
5
6
7
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0
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20
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60
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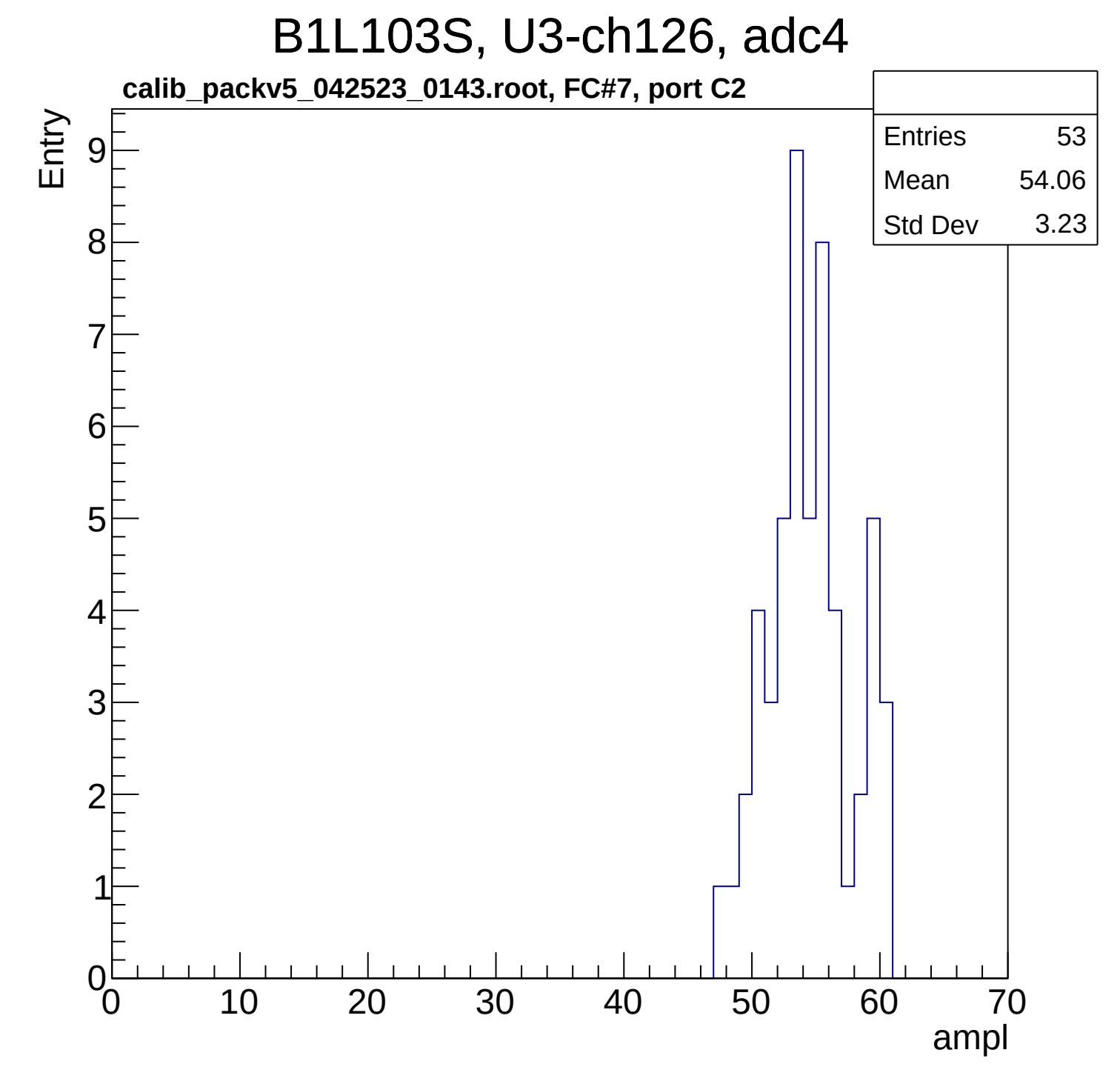
B1L103S, U3-ch126, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 53
Mean 54.06
Std Dev 3.23
Entry
ampl
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3
4
5
6
7
8
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0
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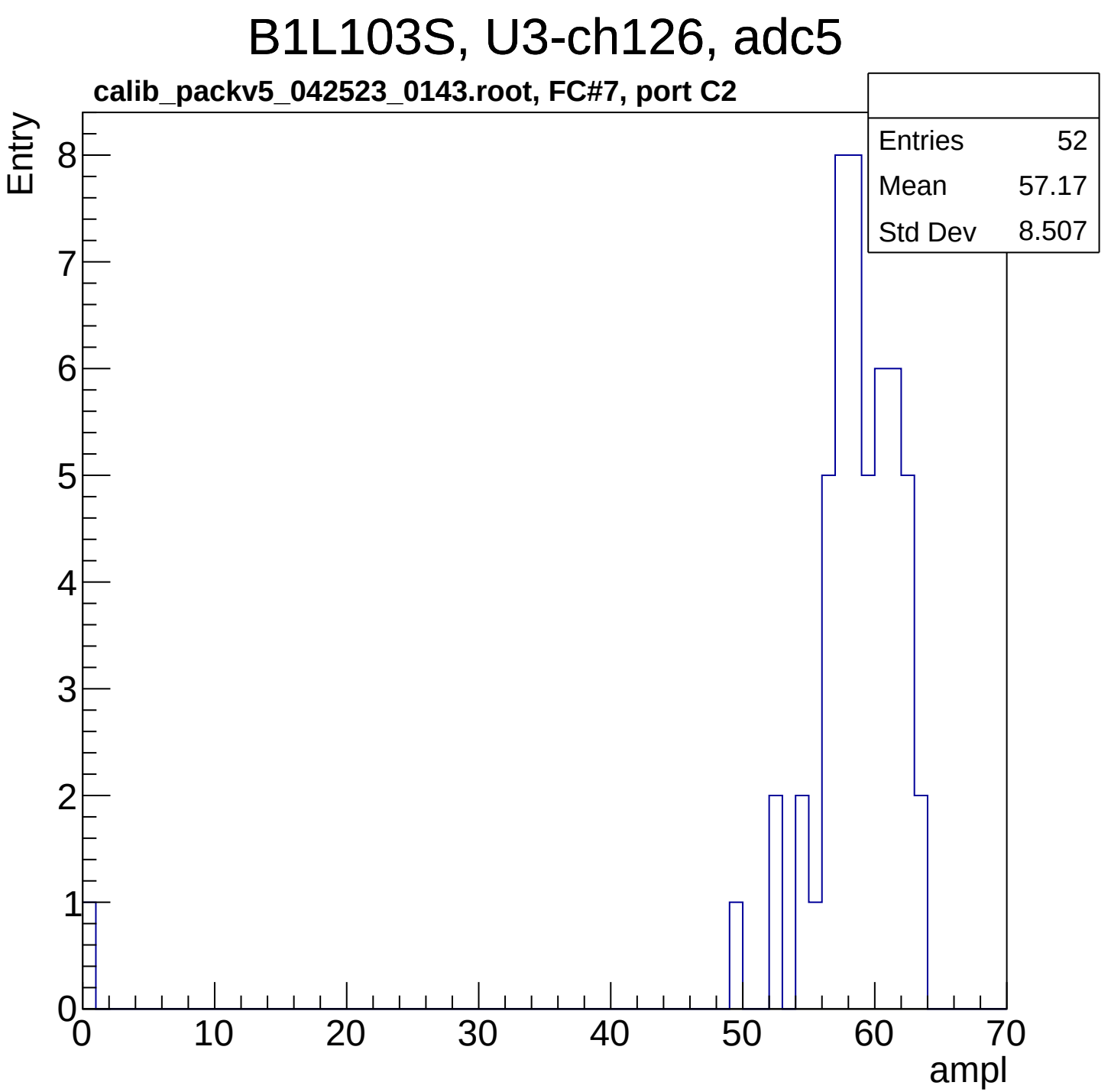
B1L103S, U3-ch126, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 52
Mean 57.17
Std Dev 8.507
Entry
ampl
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4
5
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0
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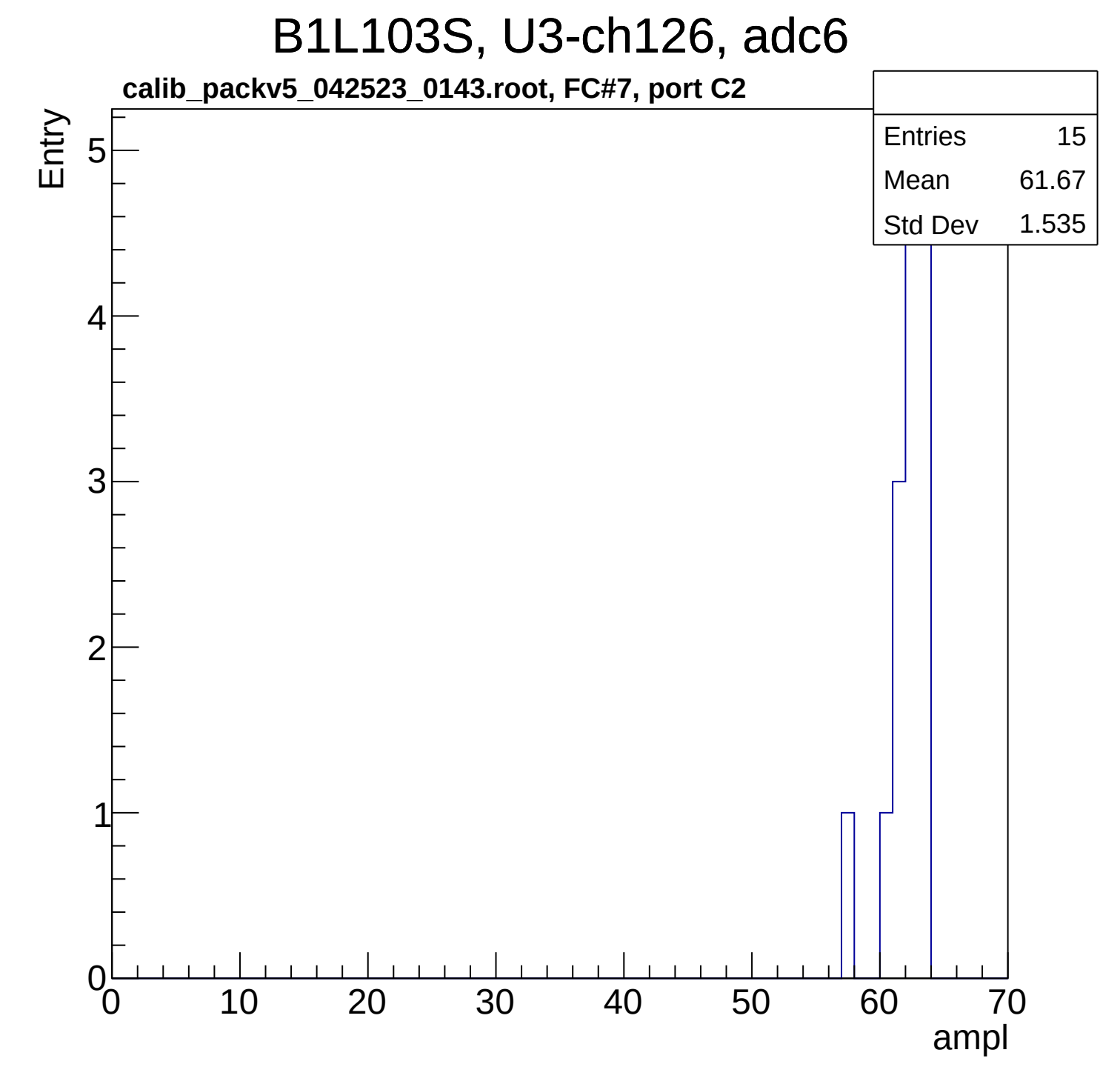
B1L103S, U3-ch126, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 15
Mean 61.67
Std Dev 1.535
Entry
ampl
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4
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0
10
20
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40
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60
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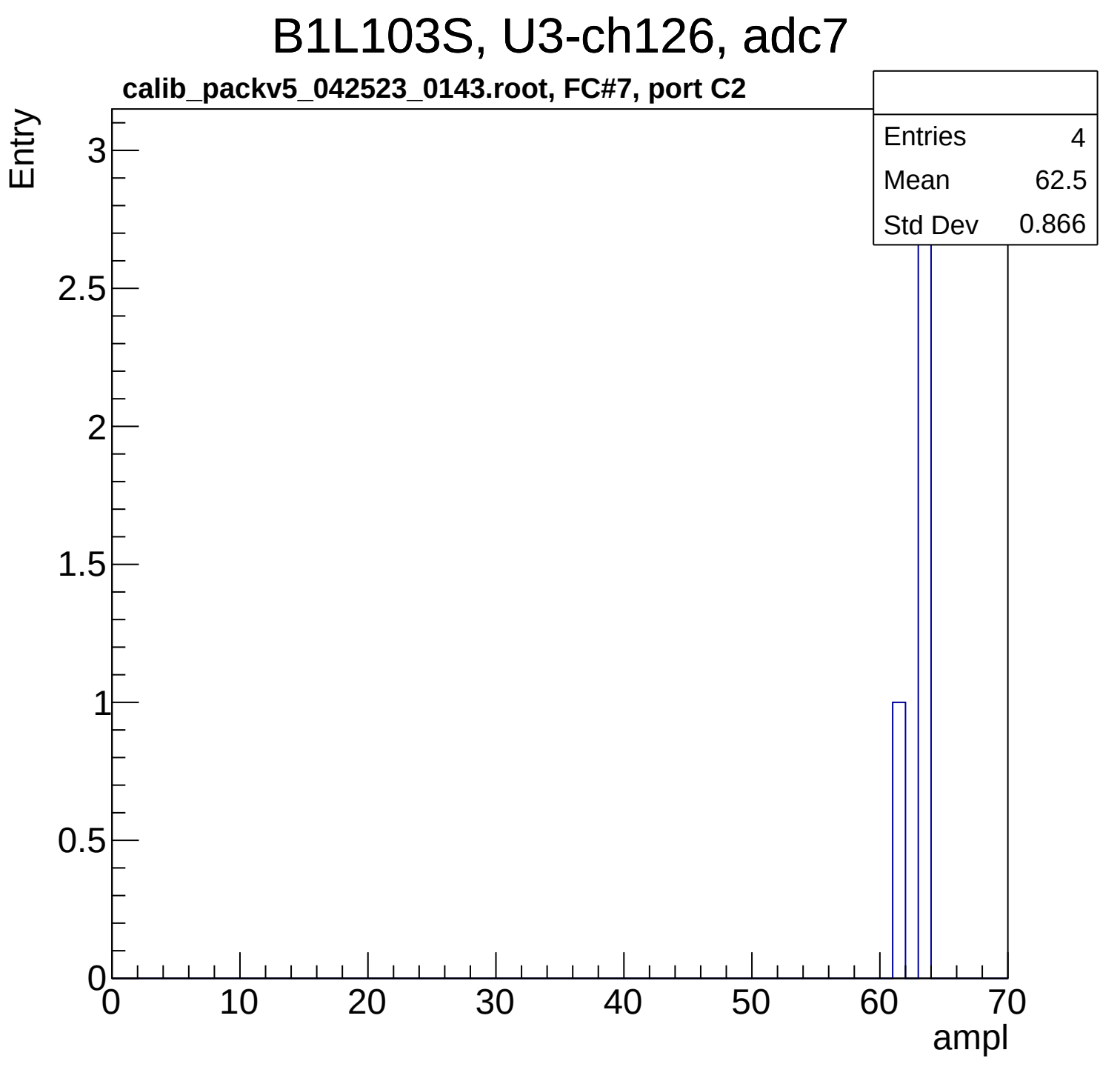
B1L103S, U3-ch126, adc7
calib_packv5_042523_0143.root, FC#7, port C2
Entries 4
Mean 62.5
Std Dev 0.866
Entry
ampl
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0.5
1
1.5
2
2.5
3
0
10
20
30
40
50
60
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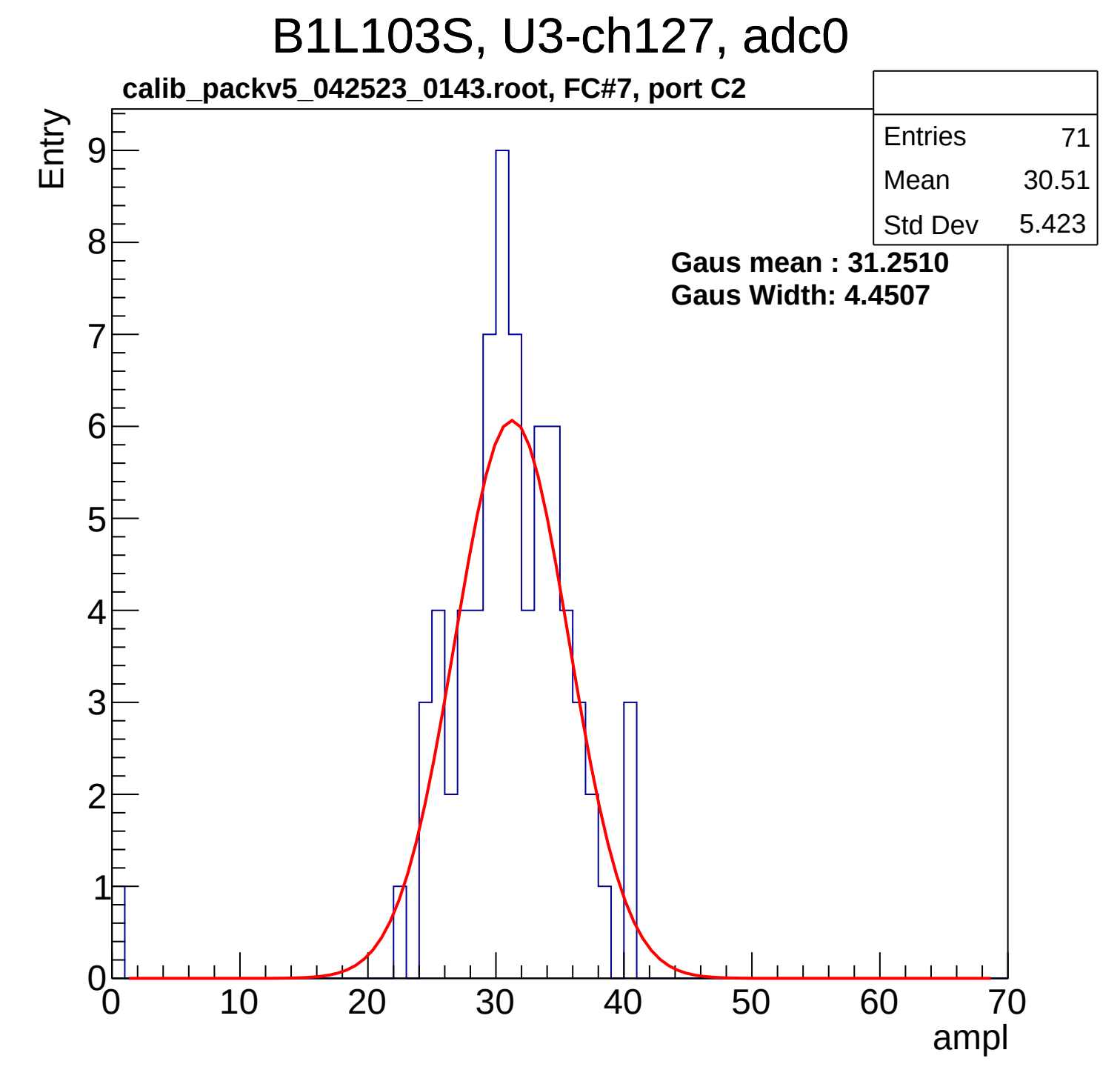
B1L103S, U3-ch127, adc0
calib_packv5_042523_0143.root, FC#7, port C2
Entries 71
Mean 30.51
Std Dev 5.423
Gaus mean : 31.2510
Gaus Width: 4.4507
Entry
ampl
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3
4
5
6
7
8
9
0
10
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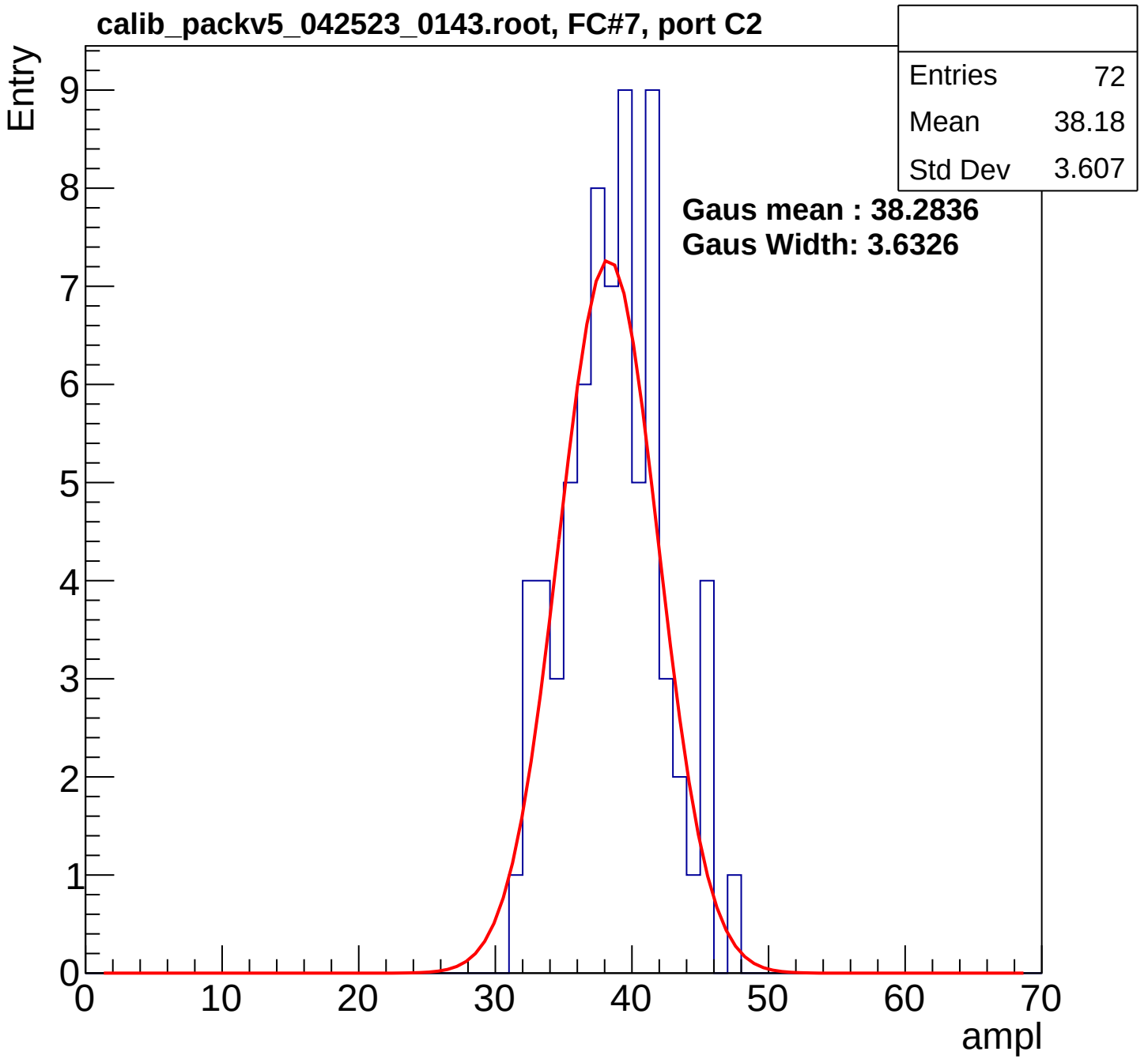
B1L103S, U3-ch127, adc1
calib_packv5_042523_0143.root, FC#7, port C2
Entries 72
Mean 38.18
Std Dev 3.607
Gaus mean : 38.2836
Gaus Width: 3.6326
Entry
ampl
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3
4
5
6
7
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0
10
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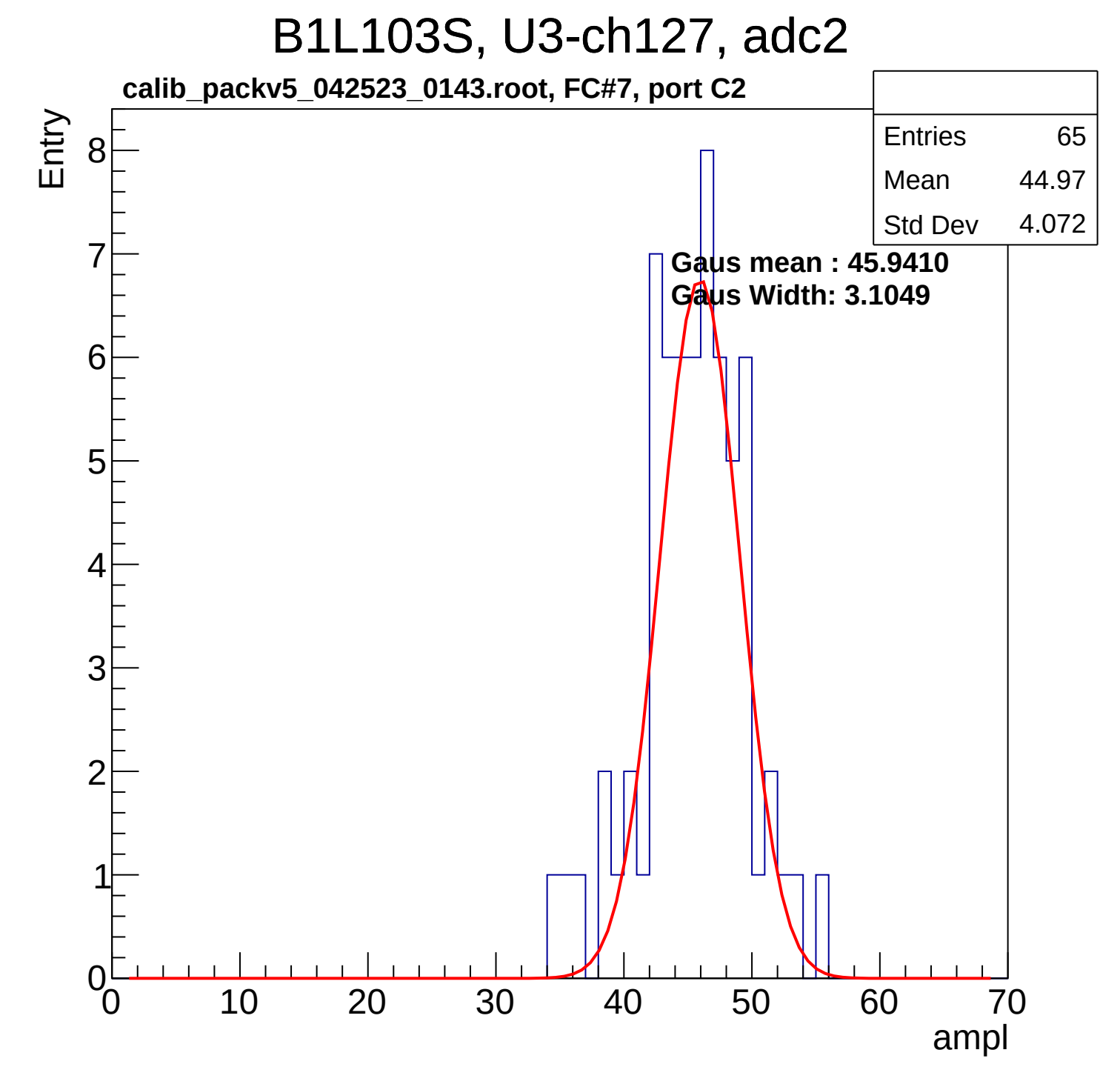
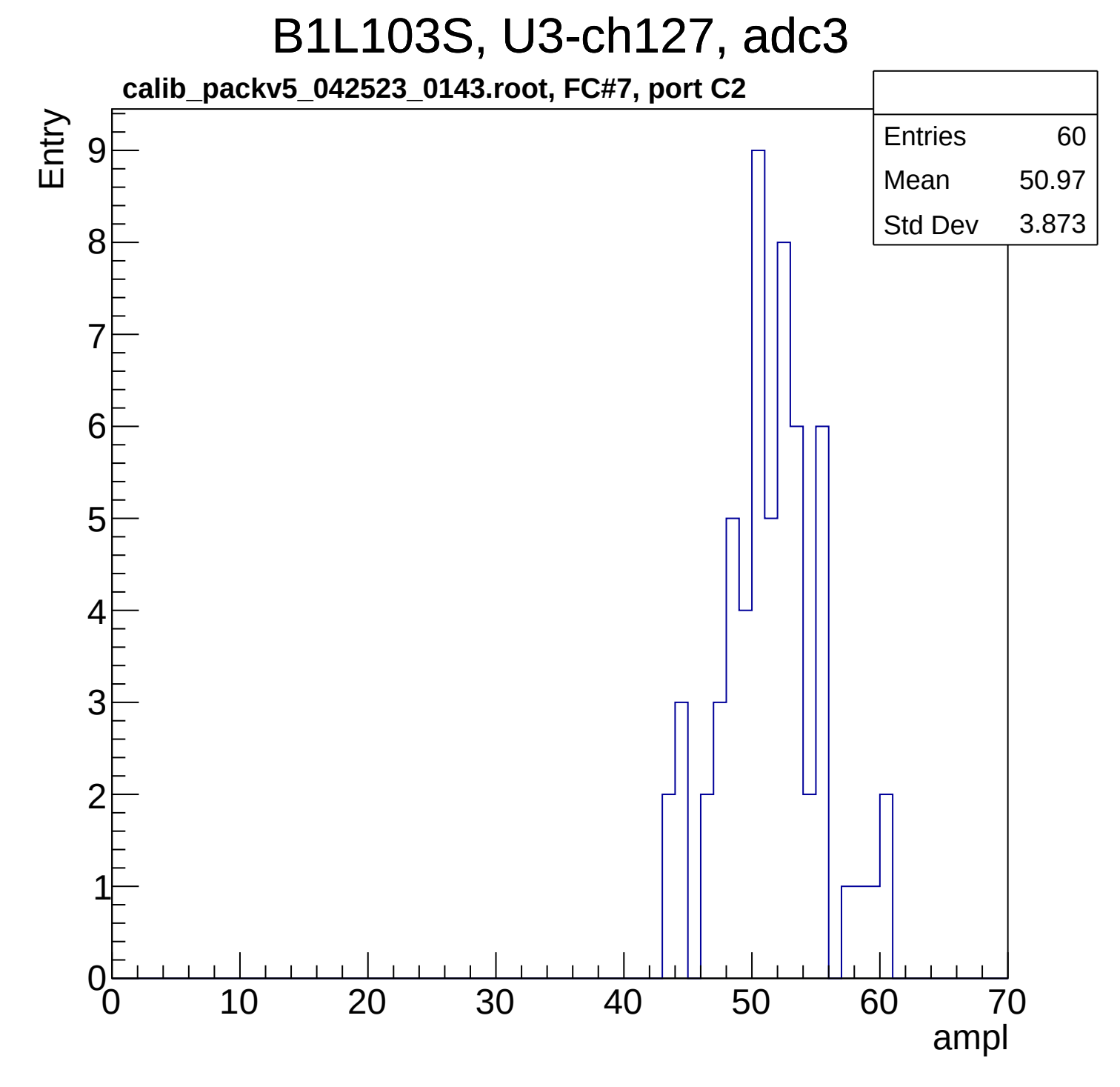
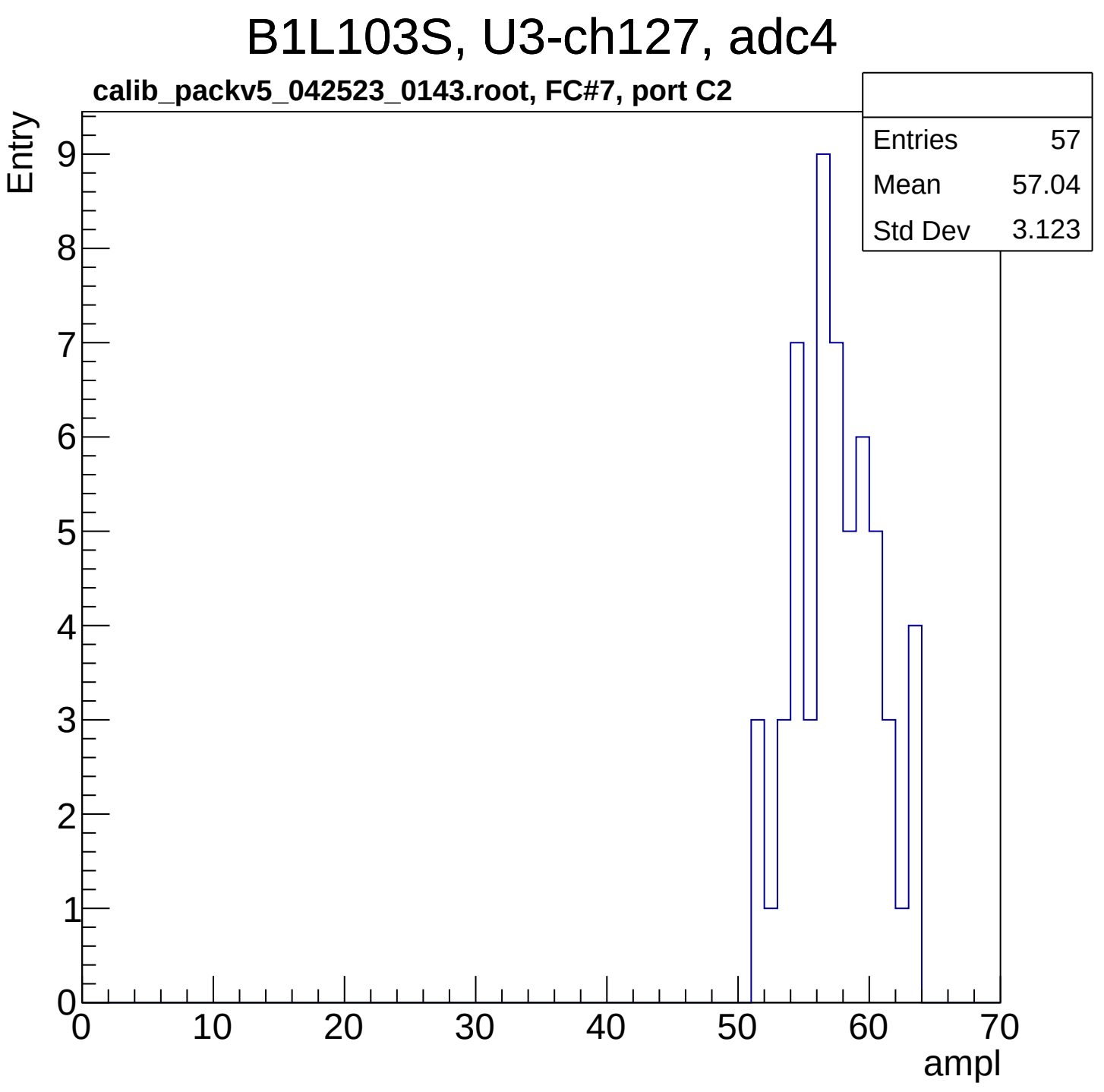
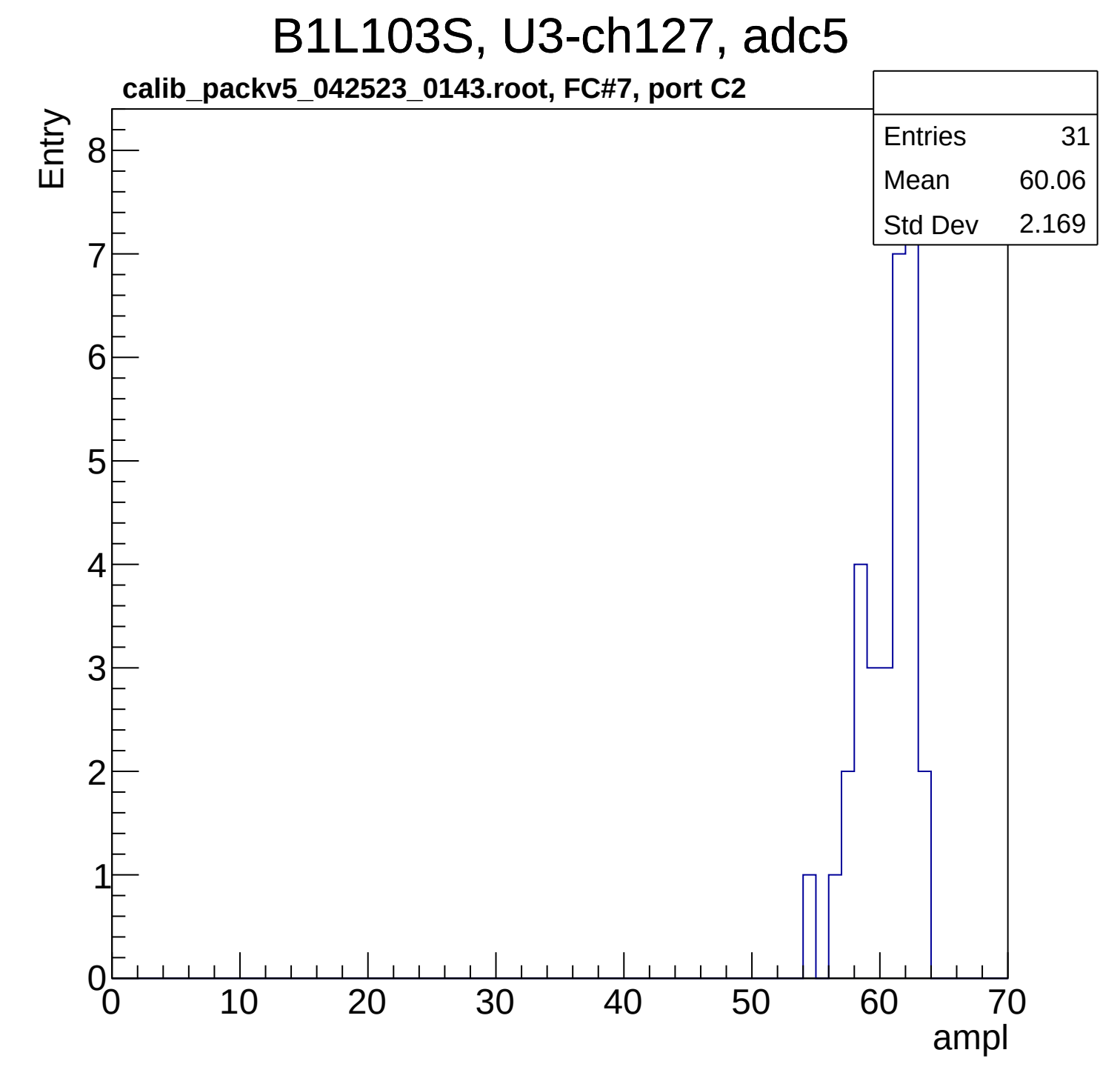
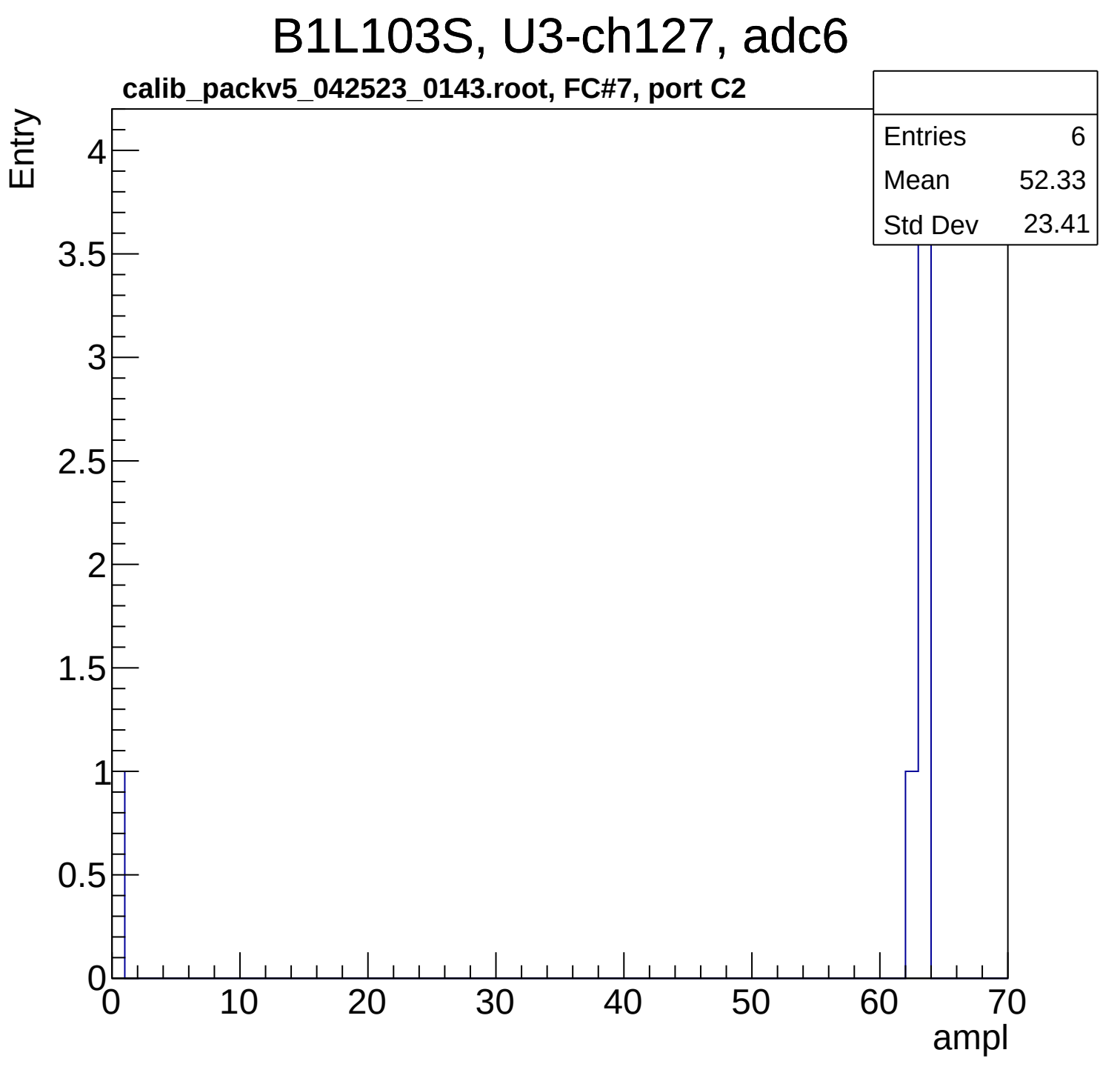
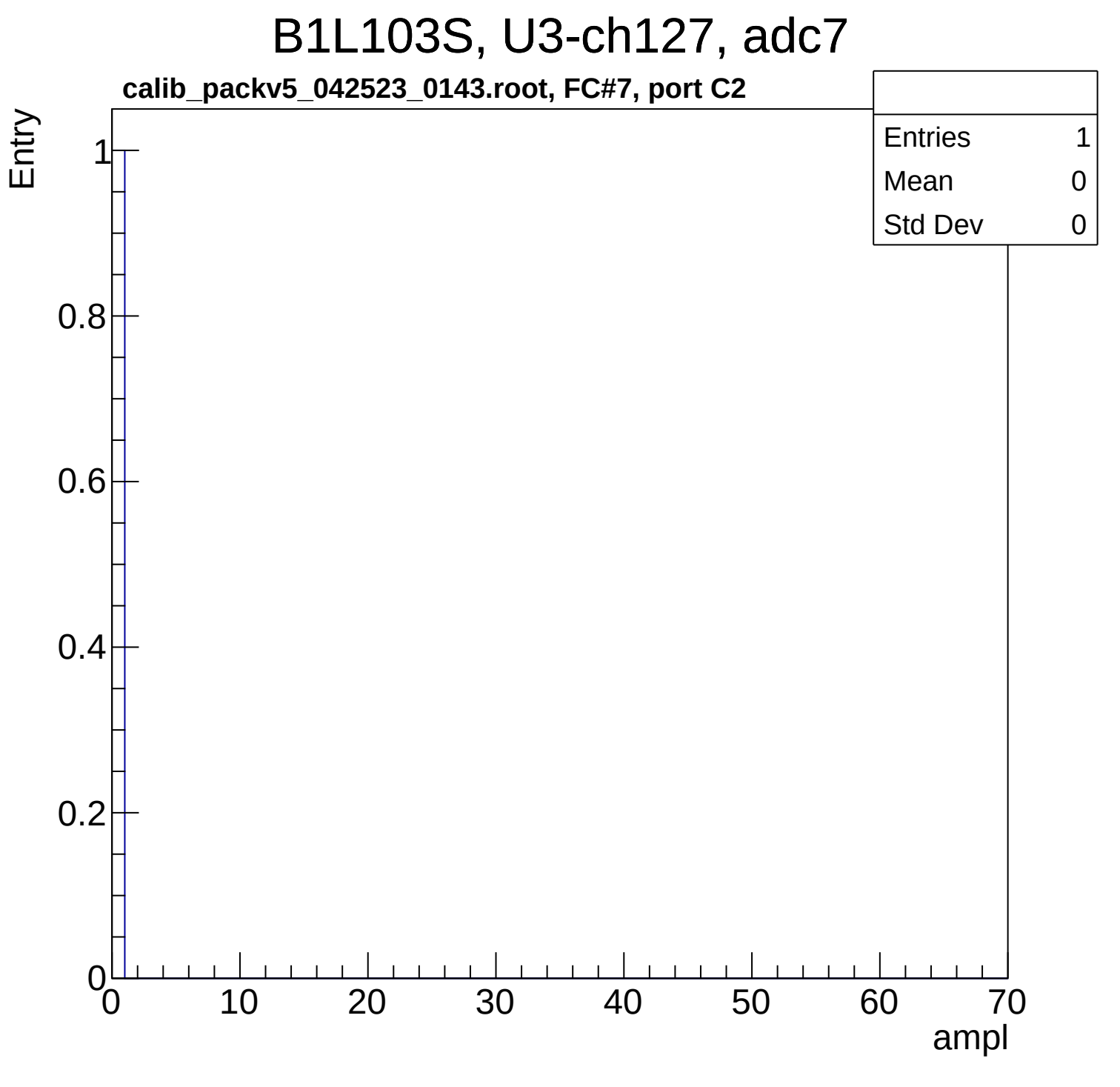

B1L103S, U3-ch127, adc2
calib_packv5_042523_0143.root, FC#7, port C2
Entries 65
Mean 44.97
Std Dev 4.072
Gaus mean : 45.9410
Gaus Width: 3.1049
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70

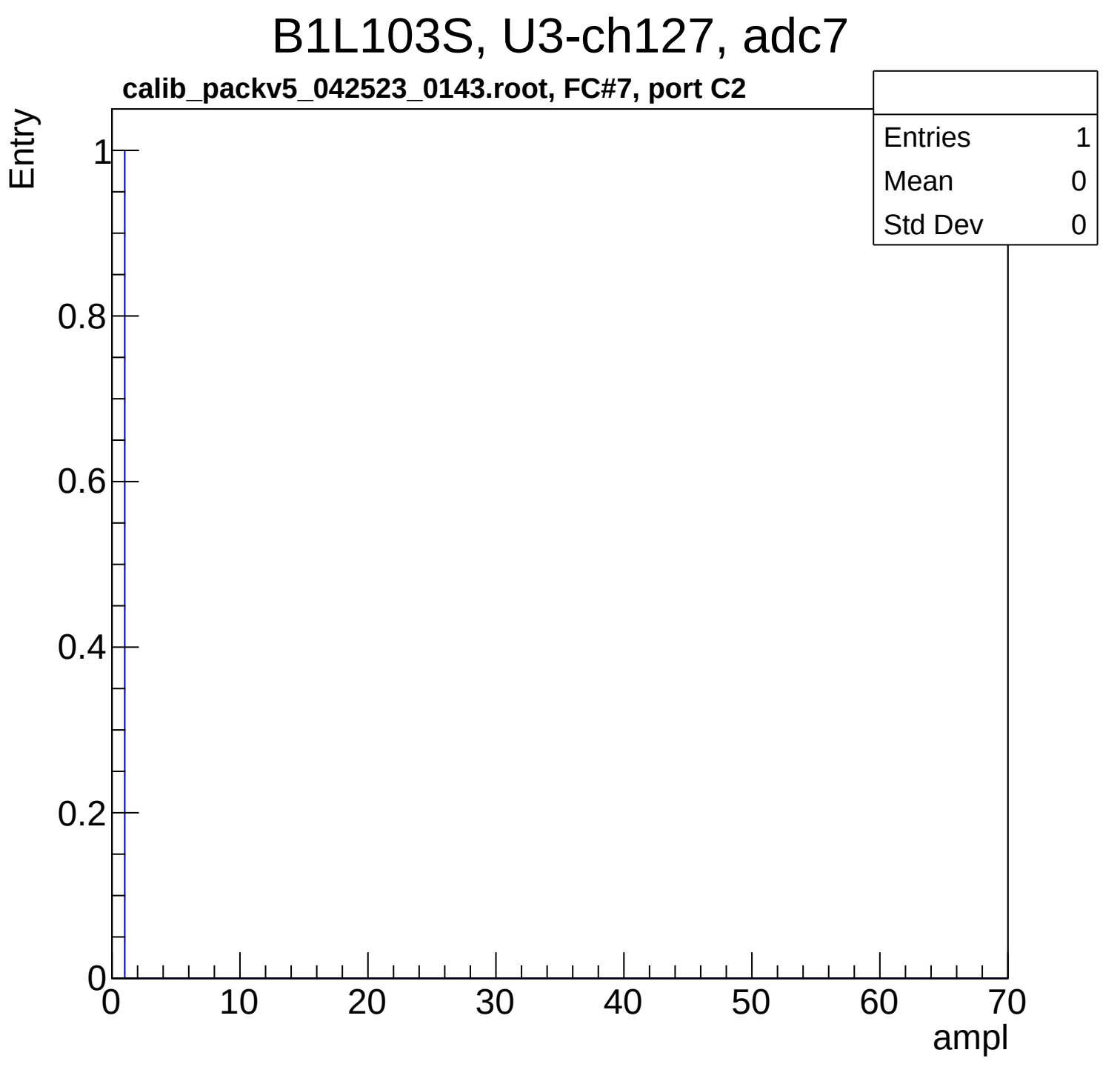

B1L103S, U3-ch127, adc3
calib_packv5_042523_0143.root, FC#7, port C2
Entries 60
Mean 50.97
Std Dev 3.873
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch127, adc4
calib_packv5_042523_0143.root, FC#7, port C2
Entries 57
Mean 57.04
Std Dev 3.123
Entry
ampl
0
1
2
3
4
5
6
7
8
9
0
10
20
30
40
50
60
70


B1L103S, U3-ch127, adc5
calib_packv5_042523_0143.root, FC#7, port C2
Entries 31
Mean 60.06
Std Dev 2.169
Entry
ampl
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70


B1L103S, U3-ch127, adc6
calib_packv5_042523_0143.root, FC#7, port C2
Entries 6
Mean 52.33
Std Dev 23.41
Entry
ampl
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10
20
30
40
50
60
70


B1L103S, U3-ch127, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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


B1L103S, U3-ch127, adc7
calib_packv5_042523_0143.root, FC#7, port C2
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