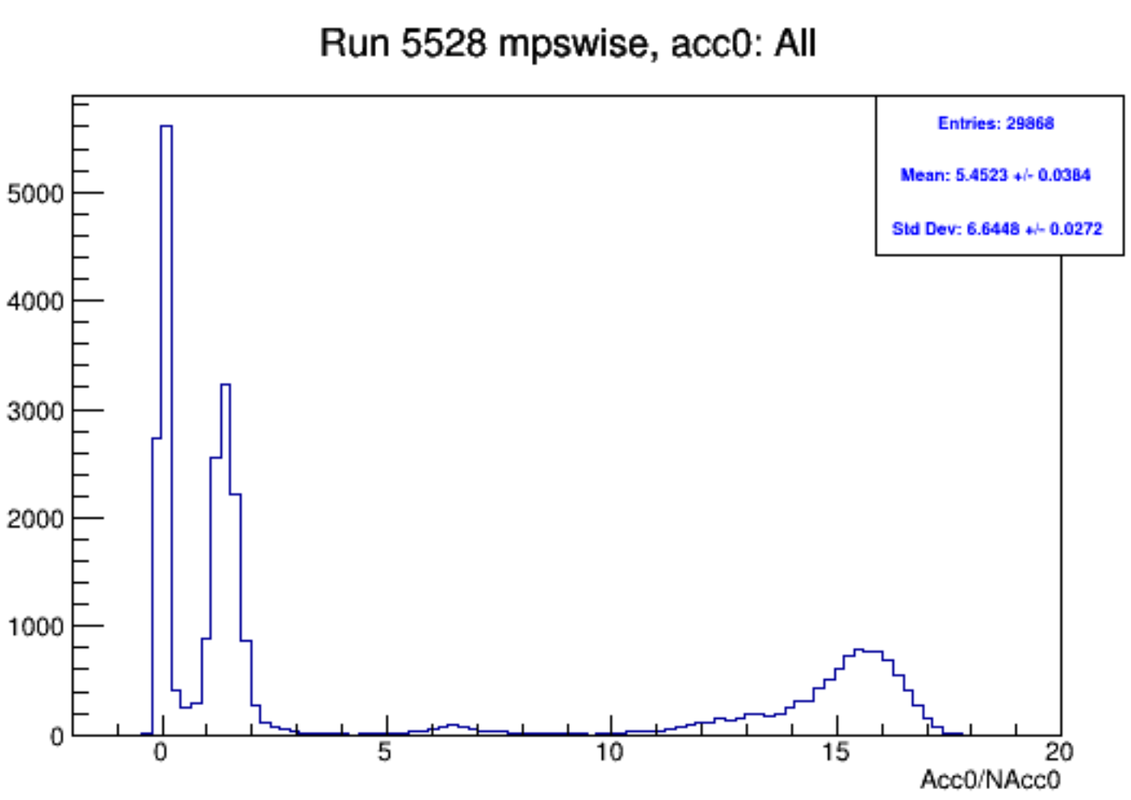
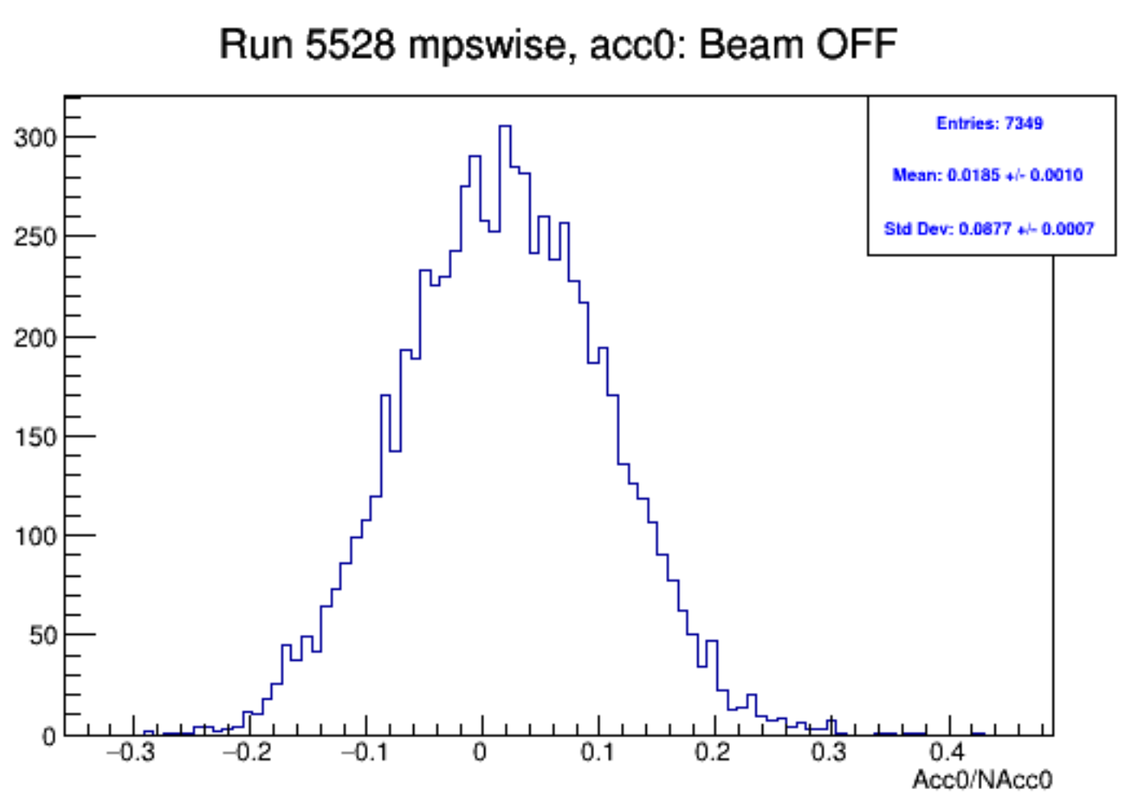
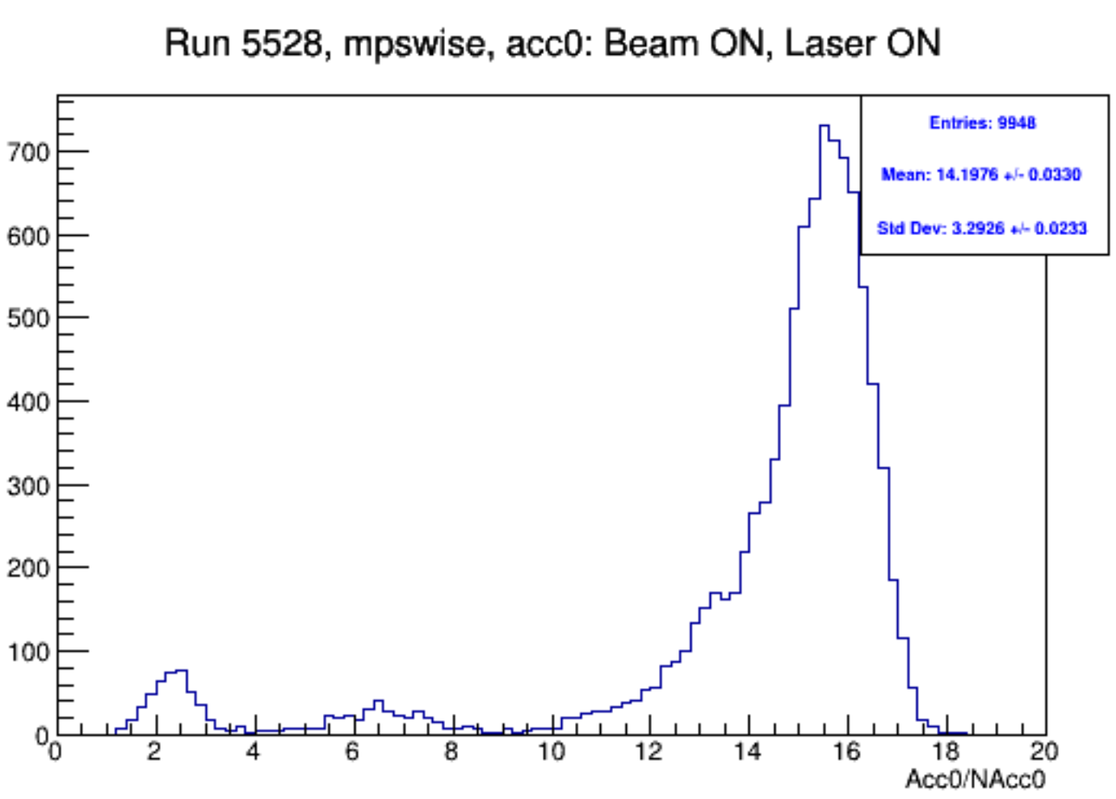
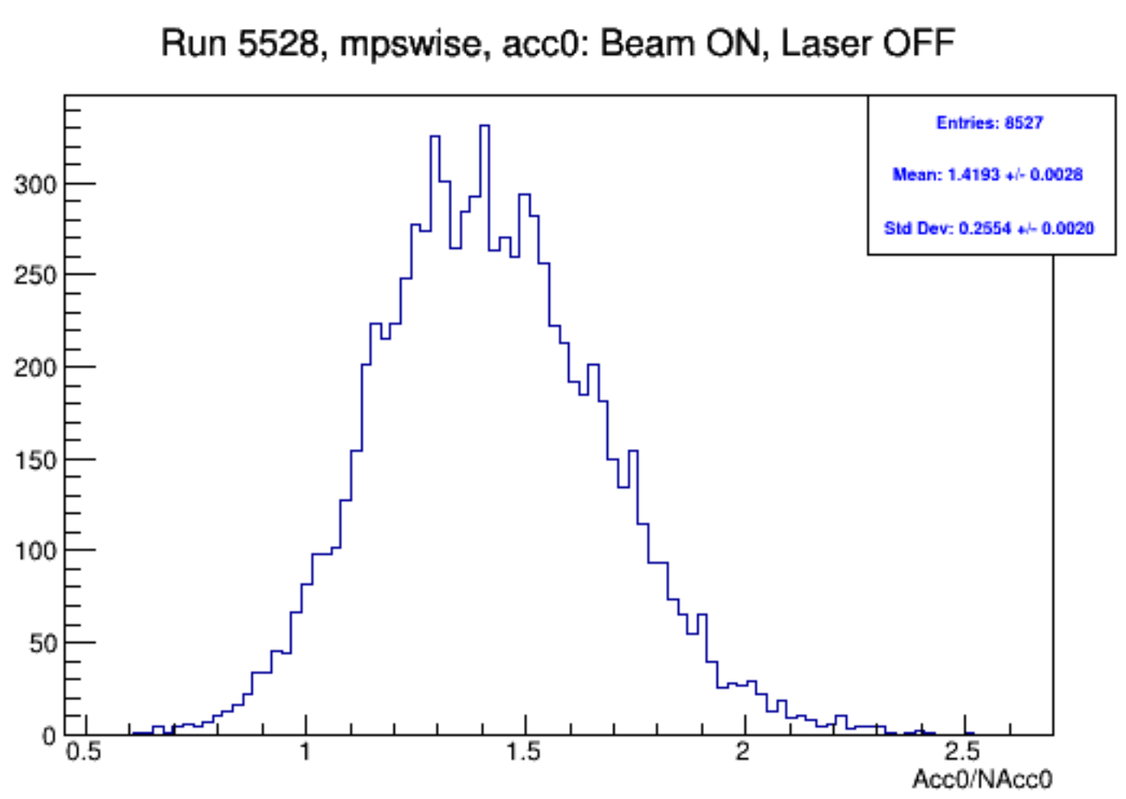
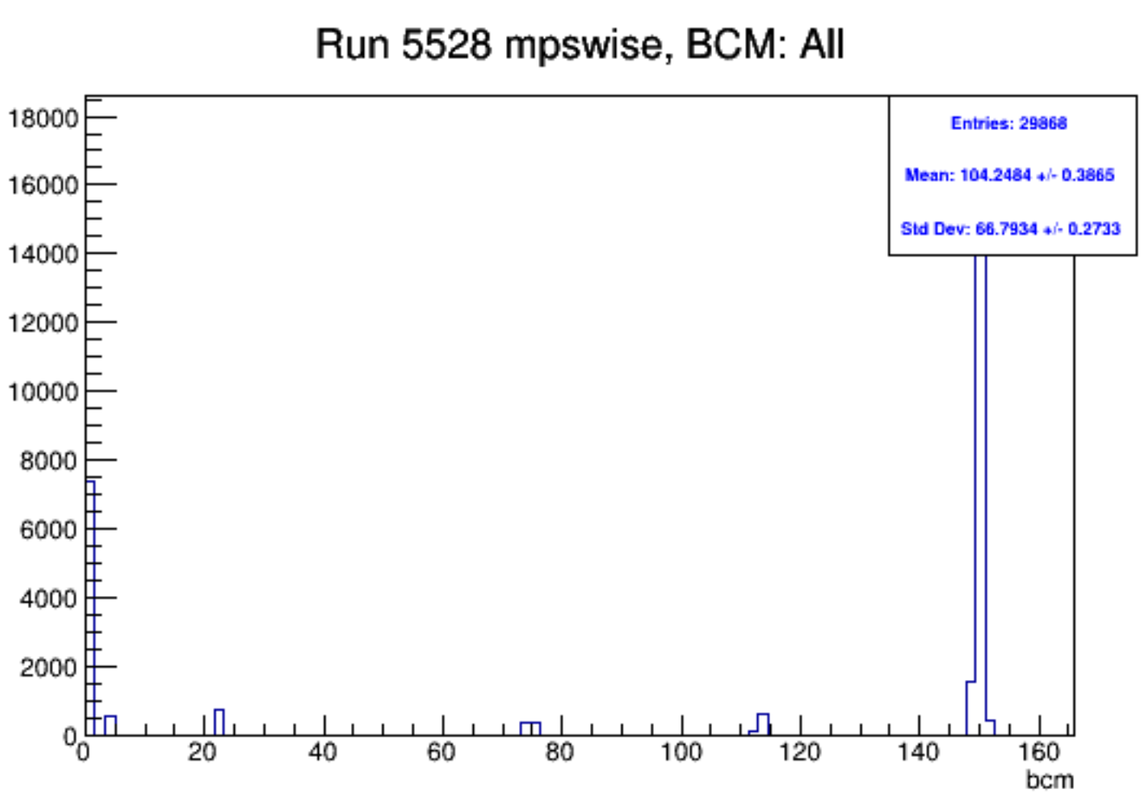
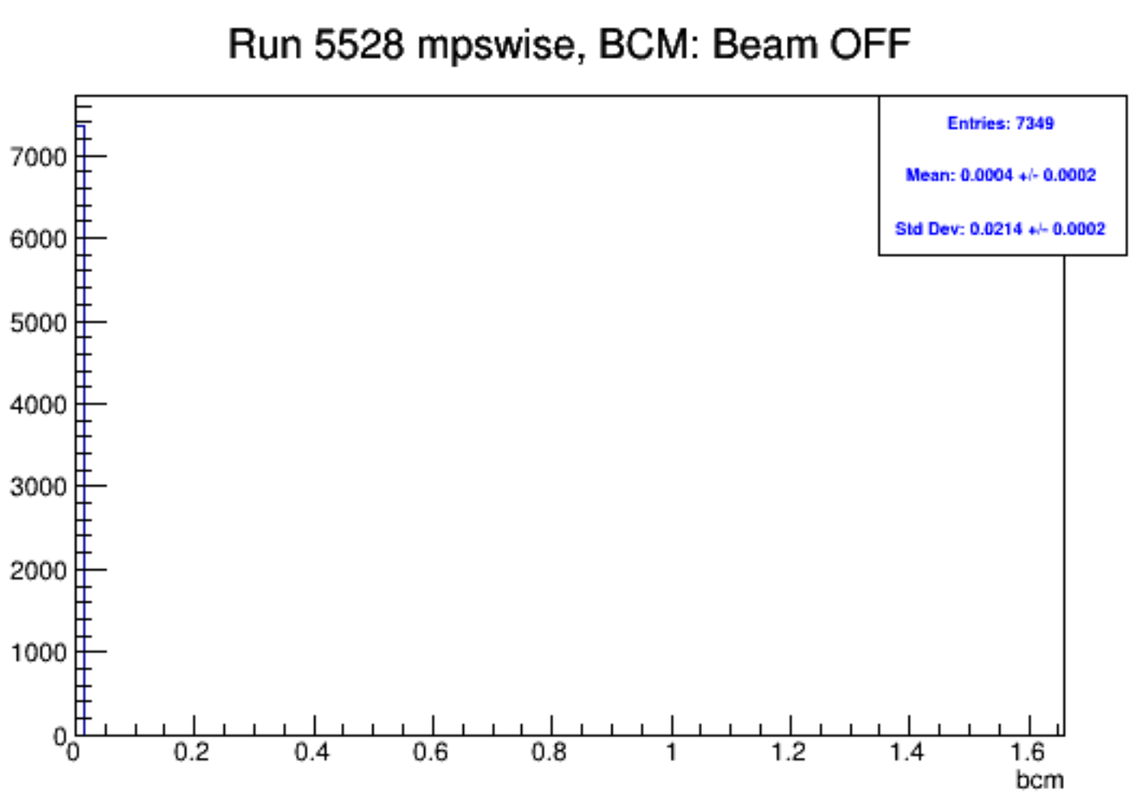

Run 5528 mpswise, acc0: All
Entries: 29868
Mean: 5.4523 +/- 0.0384
Std Dev: 6.6448 +/- 0.0272
5000
4000
3000
2000
1000
0
0
5
10
15
20
Acc0/NAcc0

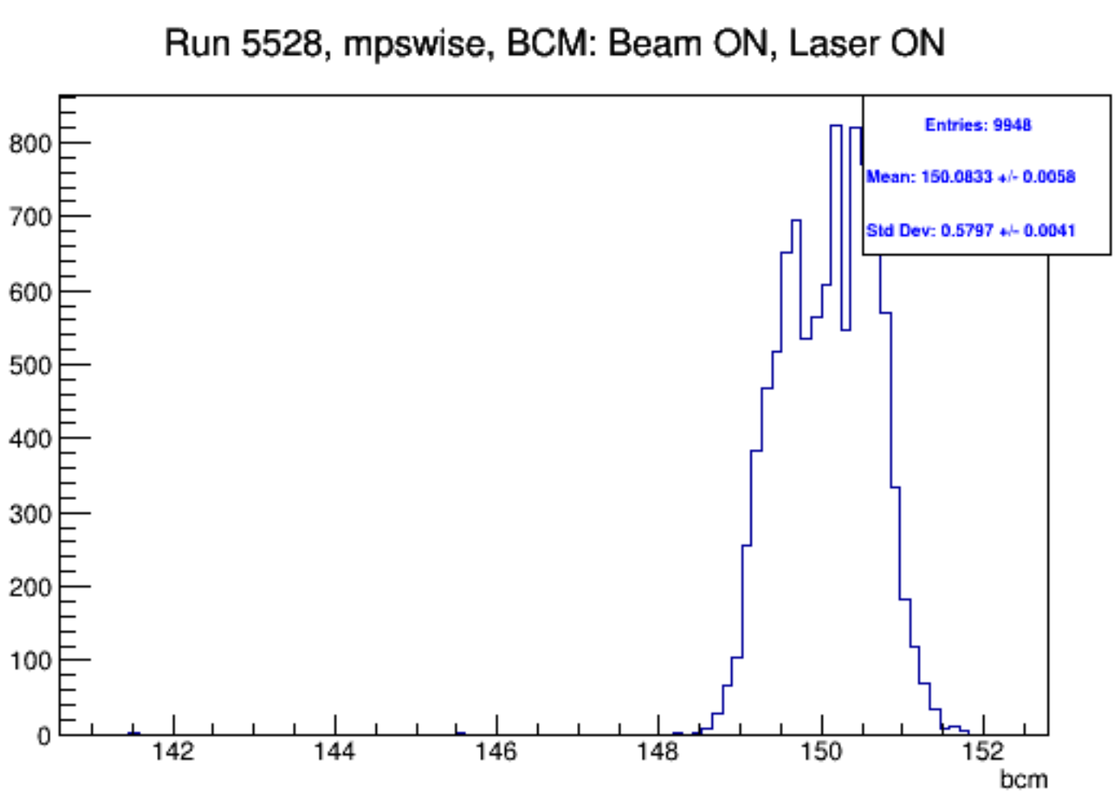

Run 5528 mpswise, acc0: Beam OFF
Entries: 7349
Mean: 0.0185 +/- 0.0010
Std Dev: 0.0877 +/- 0.0007
300
250
200
150
100
50
0
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
Acc0/NAcc0

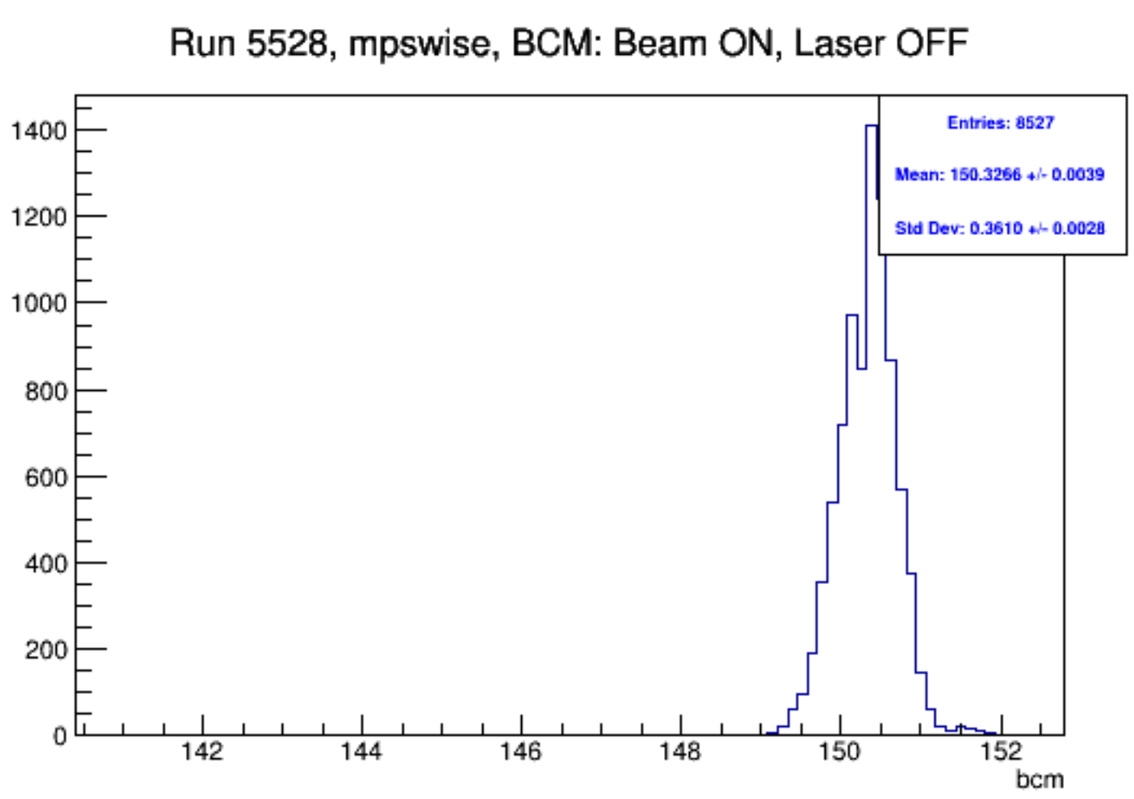

Run 5528, mpswise, acc0: Beam ON, Laser ON
Entries: 9948
Mean: 14.1976 +/- 0.0330
Std Dev: 3.2926 +/- 0.0233
700
600
500
400
300
200
100
0
0
2
4
6
8
10
12
14
16
18
20
Acc0/NAcc0

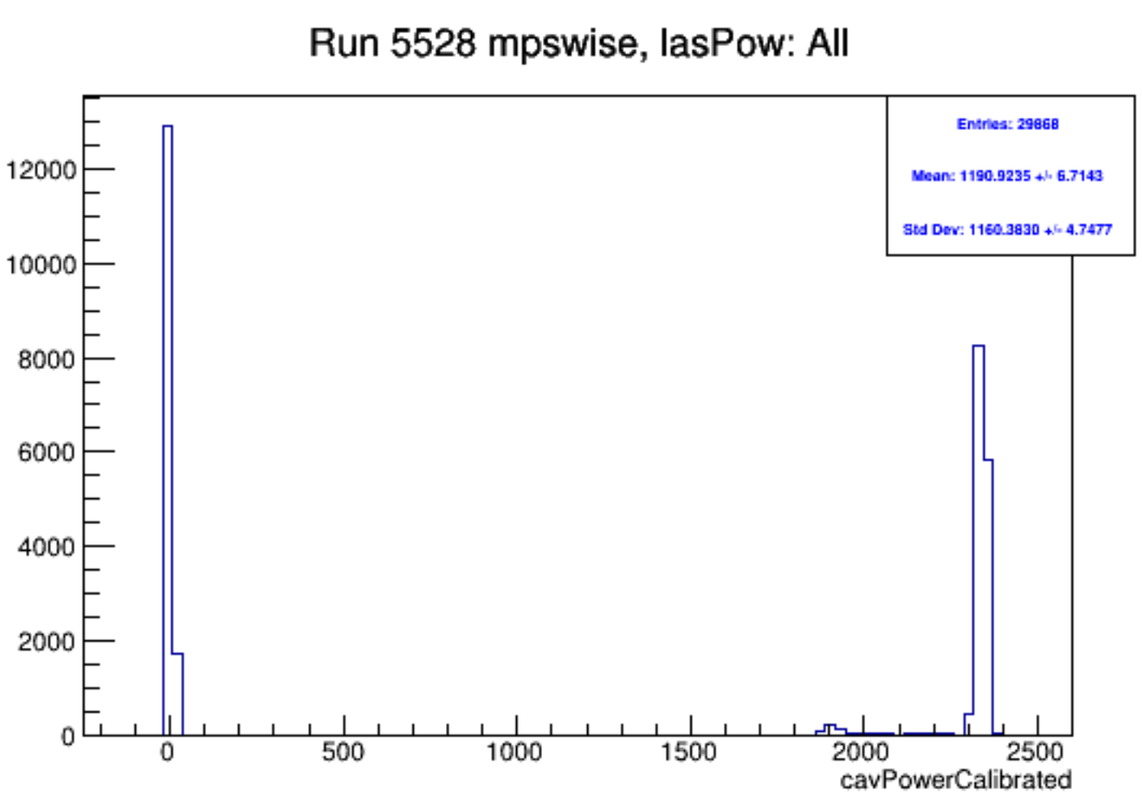

Run 5528, mpswise, acc0: Beam ON, Laser OFF
Entries: 8527
Mean: 1.4193 +/- 0.0028
Std Dev: 0.2554 +/- 0.0020
300
250
200
150
100
50
0
0.5
1
1.5
2
2.5
Acc0/NAcc0

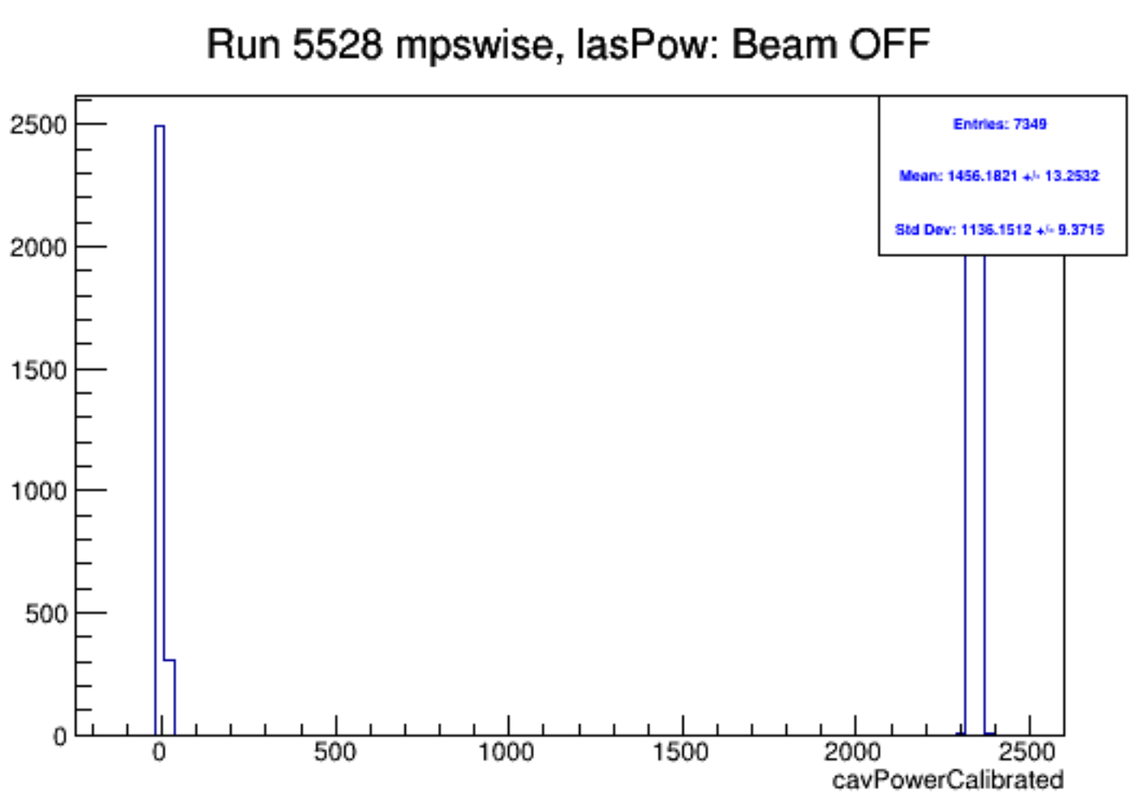

Run 5528 mpswise, BCM: All
Entries: 29868
Mean: 104.2484 +/- 0.3865
Std Dev: 66.7934 +/- 0.2733
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
bcm

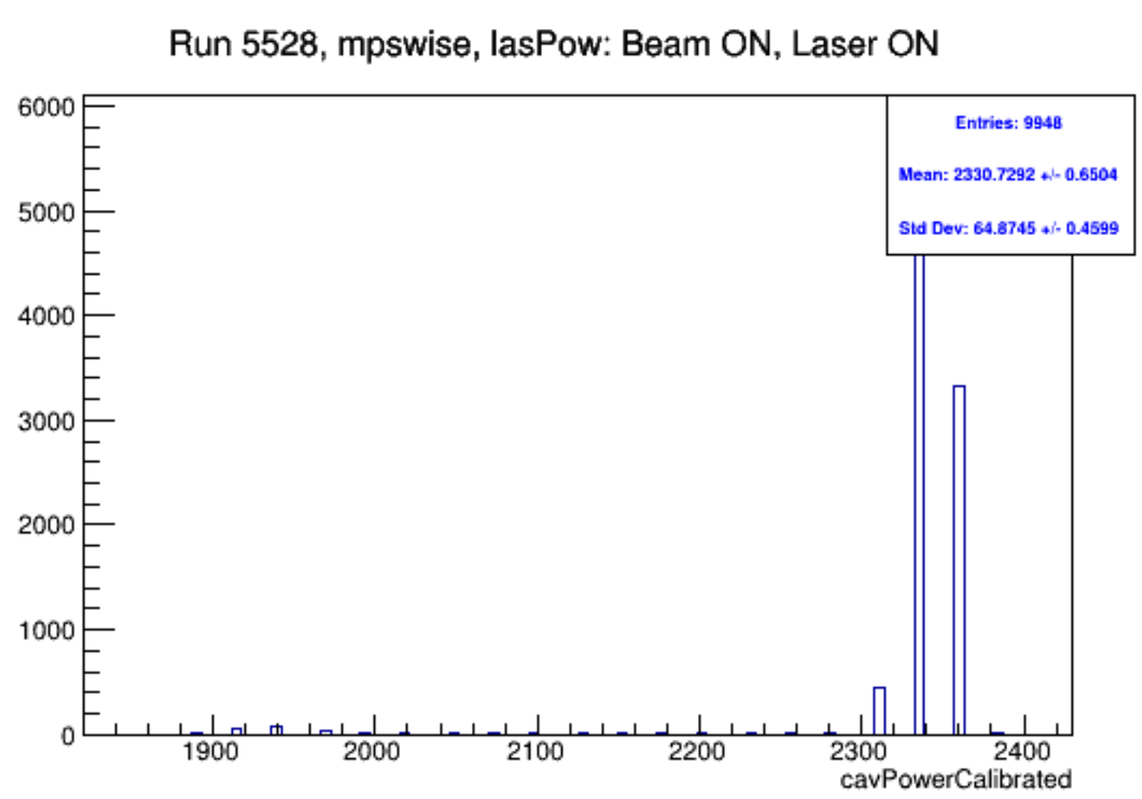

Run 5528 mpswise, BCM: Beam OFF
Entries: 7349
Mean: 0.0004 +/- 0.0002
Std Dev: 0.0214 +/- 0.0002
7000
6000
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
bcm

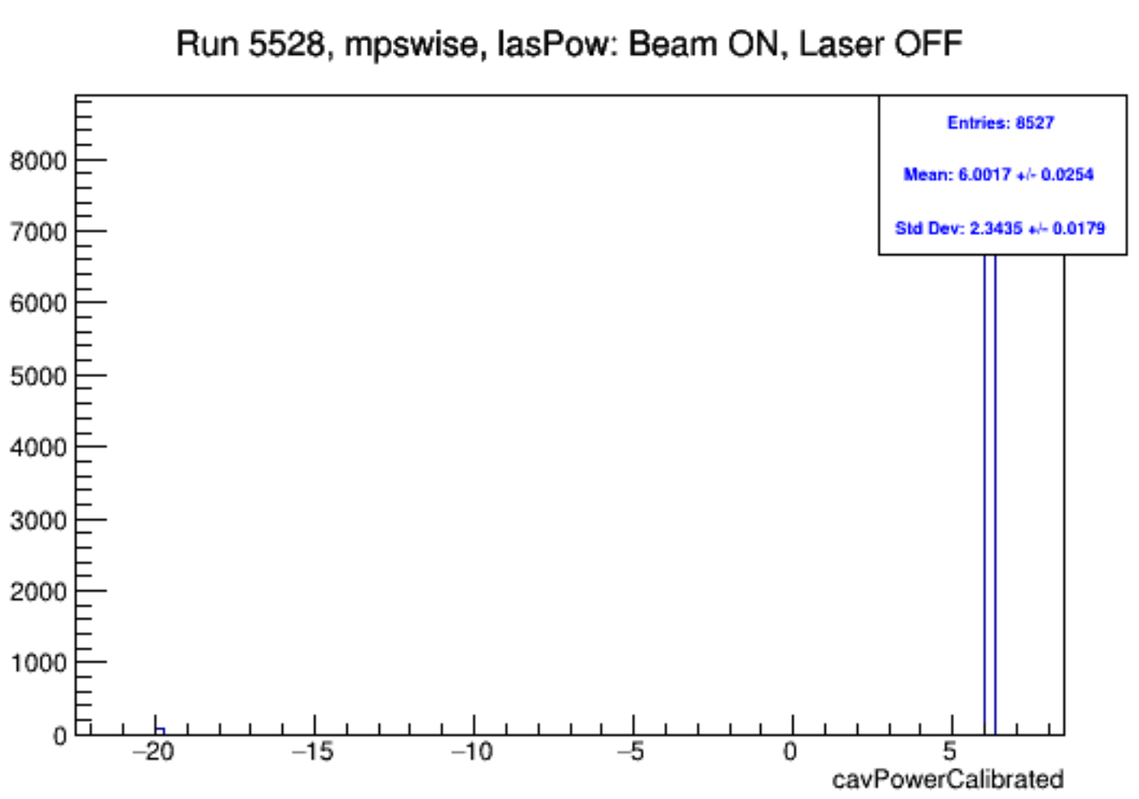

Run 5528, mpswise, BCM: Beam ON, Laser ON
Entries: 9948
Mean: 150.0833 +/- 0.0058
Std Dev: 0.5797 +/- 0.0041
800
700
600
500
400
300
200
100
0
142
144
146
148
150
152
bcm

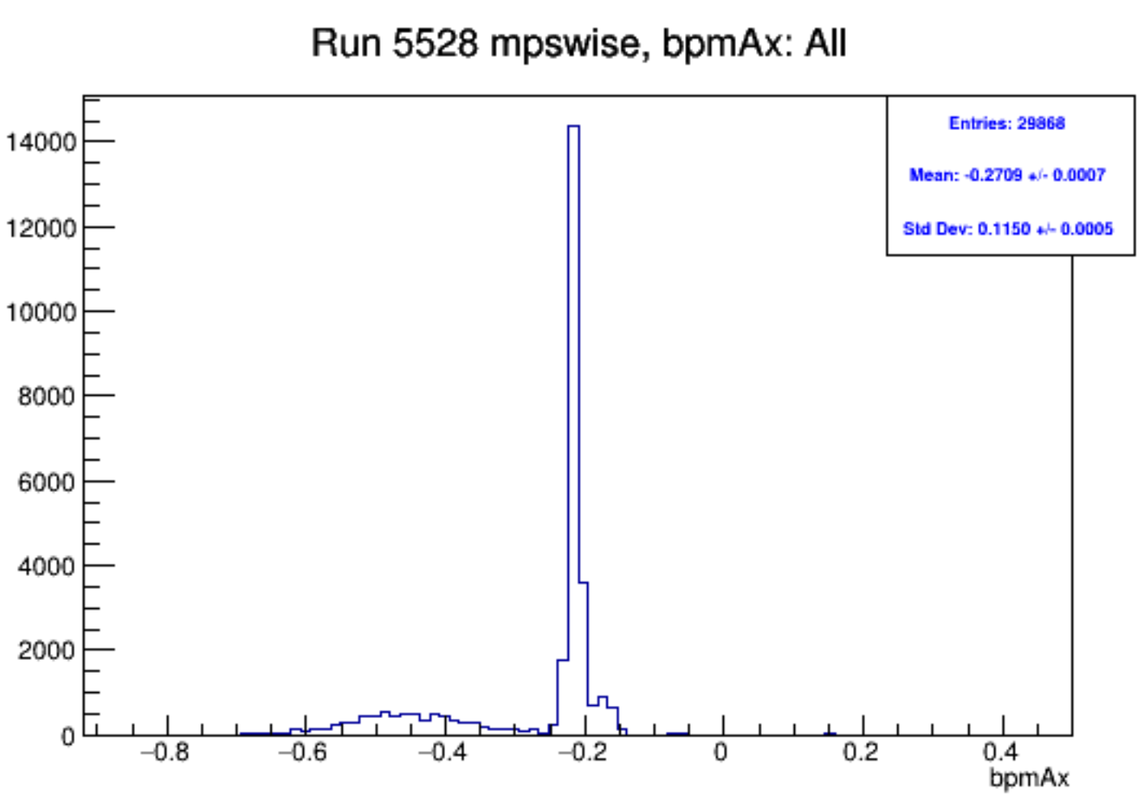

Run 5528, mpswise, BCM: Beam ON, Laser OFF
Entries: 8527
Mean: 150.3266 +/- 0.0039
Std Dev: 0.3610 +/- 0.0028
1400
1200
1000
800
600
400
200
0
142
144
146
148
150
152
bcm

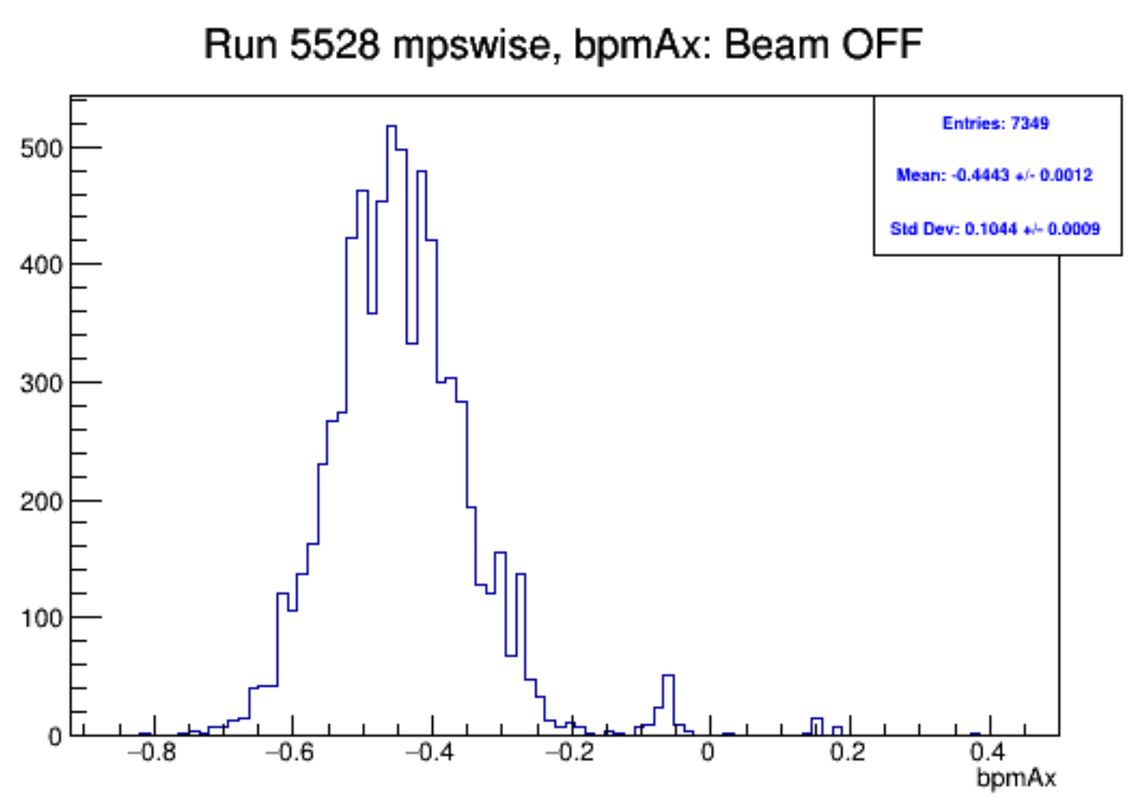

Run 5528 mpswise, lasPow: All
Entries: 29868
Mean: 1190.9235 +/- 6.7143
Std Dev: 1160.3830 +/- 4.7477
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
2500
cavPowerCalibrated

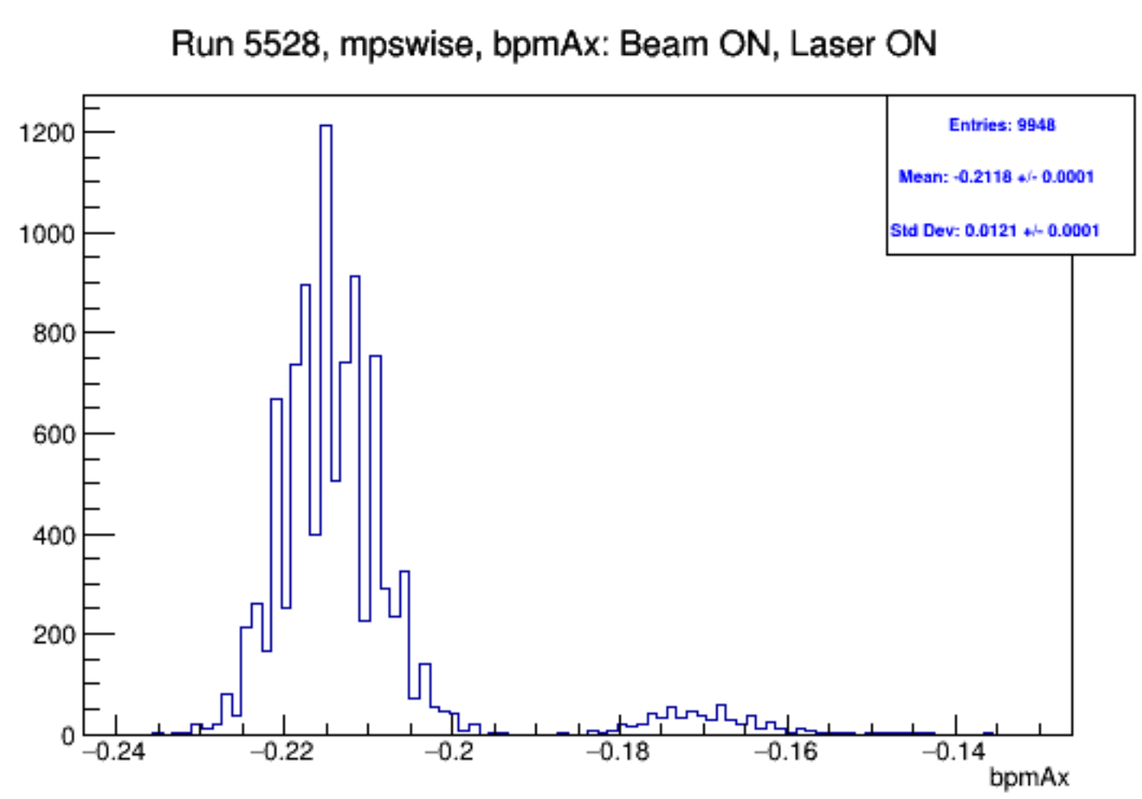

Run 5528 mpswise, lasPow: Beam OFF
Entries: 7349
Mean: 1456.1821 +/- 13.2532
Std Dev: 1136.1512 +/- 9.3715
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
cavPowerCalibrated

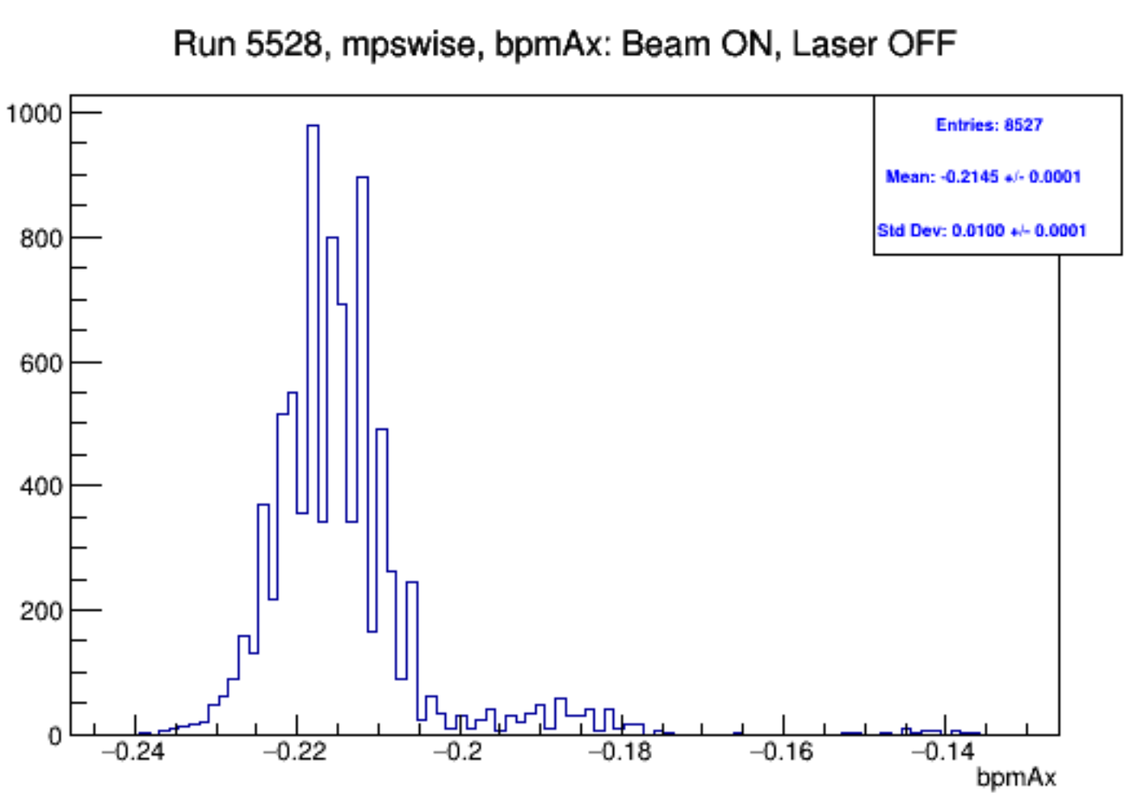

Run 5528, mpswise, lasPow: Beam ON, Laser ON
Entries: 9948
Mean: 2330.7292 +/- 0.6504
Std Dev: 64.8745 +/- 0.4599
6000
5000
4000
3000
2000
1000
0
1900
2000
2100
2200
2300
2400
cavPowerCalibrated

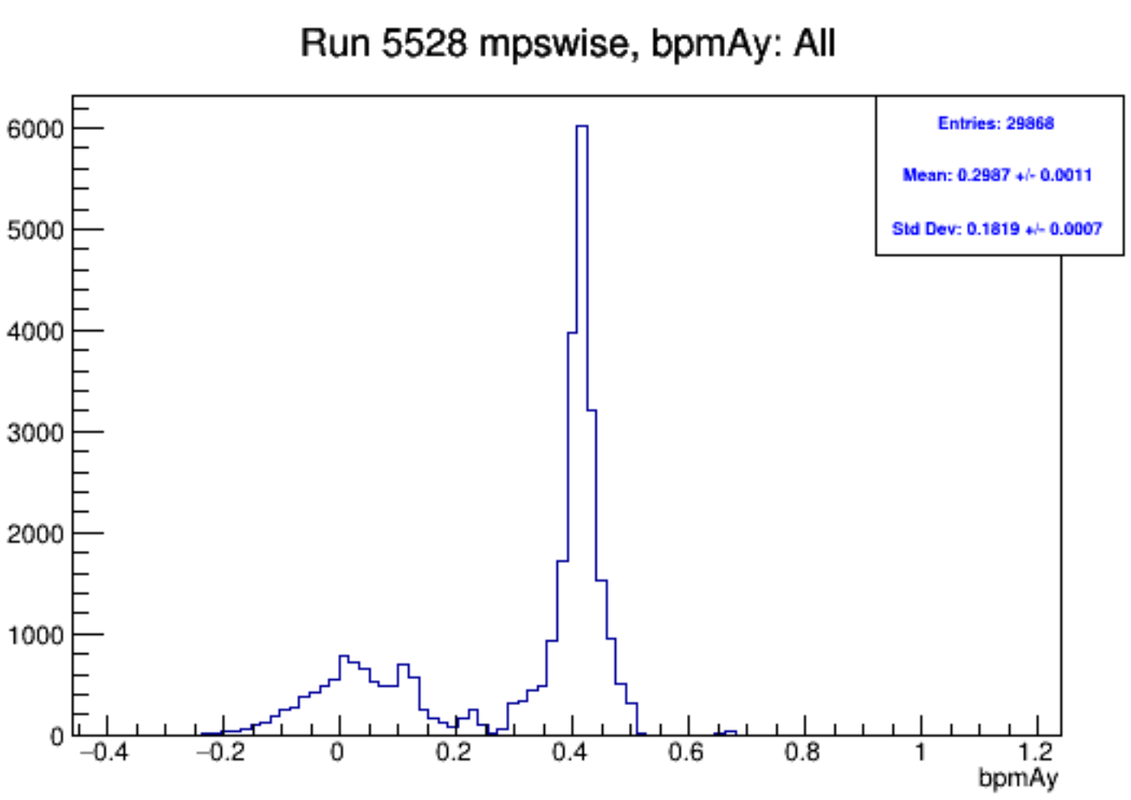

Run 5528, mpswise, lasPow: Beam ON, Laser OFF
Entries: 8527
Mean: 6.0017 +/- 0.0254
Std Dev: 2.3435 +/- 0.0179
8000
7000
6000
5000
4000
3000
2000
1000
0
−20
−15
−10
−5
0
5
cavPowerCalibrated

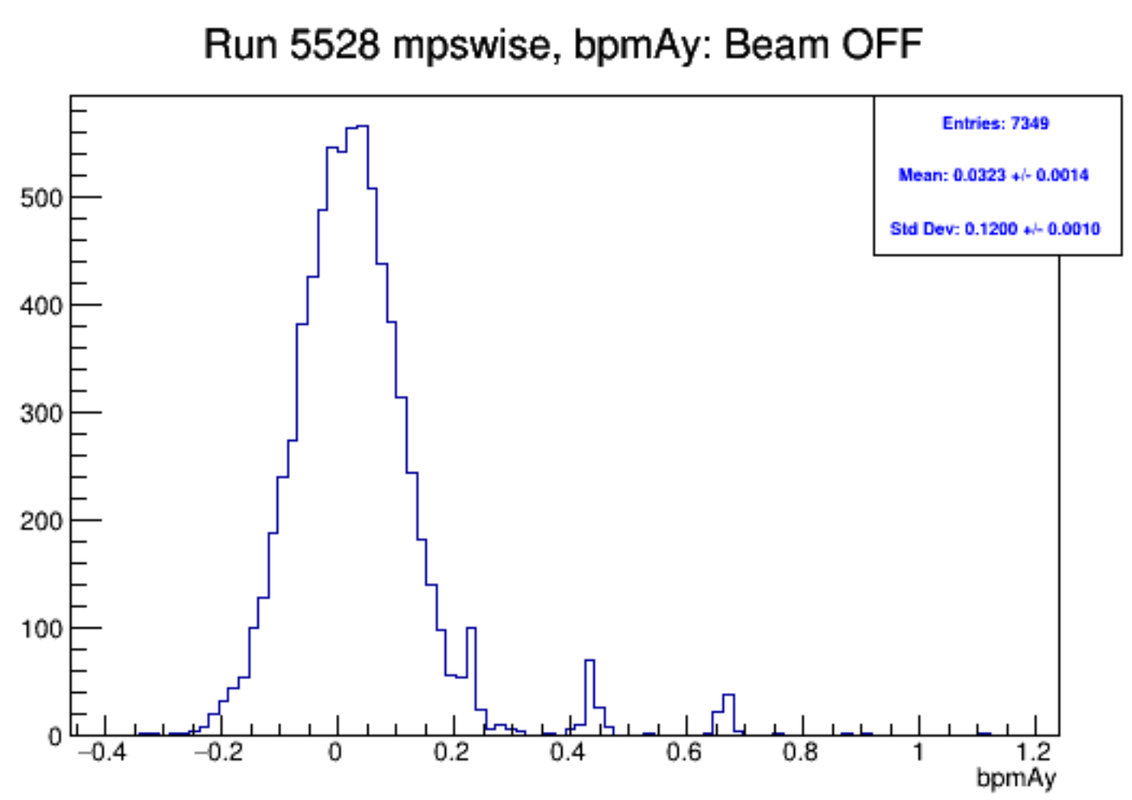

Run 5528 mpswise, bpmAx: All
Entries: 29868
Mean: -0.2709 +/- 0.0007
Std Dev: 0.1150 +/- 0.0005
14000
12000
10000
8000
6000
4000
2000
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
bpmAx

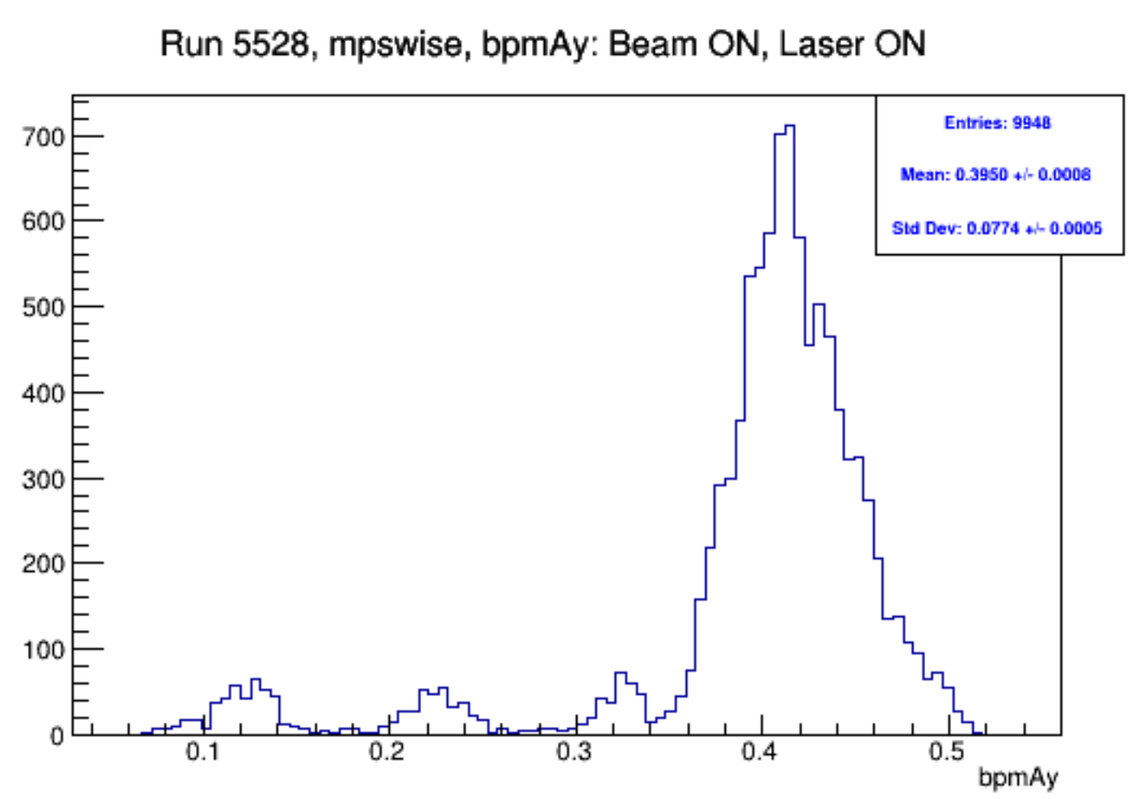

Run 5528 mpswise, bpmAx: Beam OFF
Entries: 7349
Mean: -0.4443 +/- 0.0012
Std Dev: 0.1044 +/- 0.0009
500
400
300
200
100
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
bpmAx

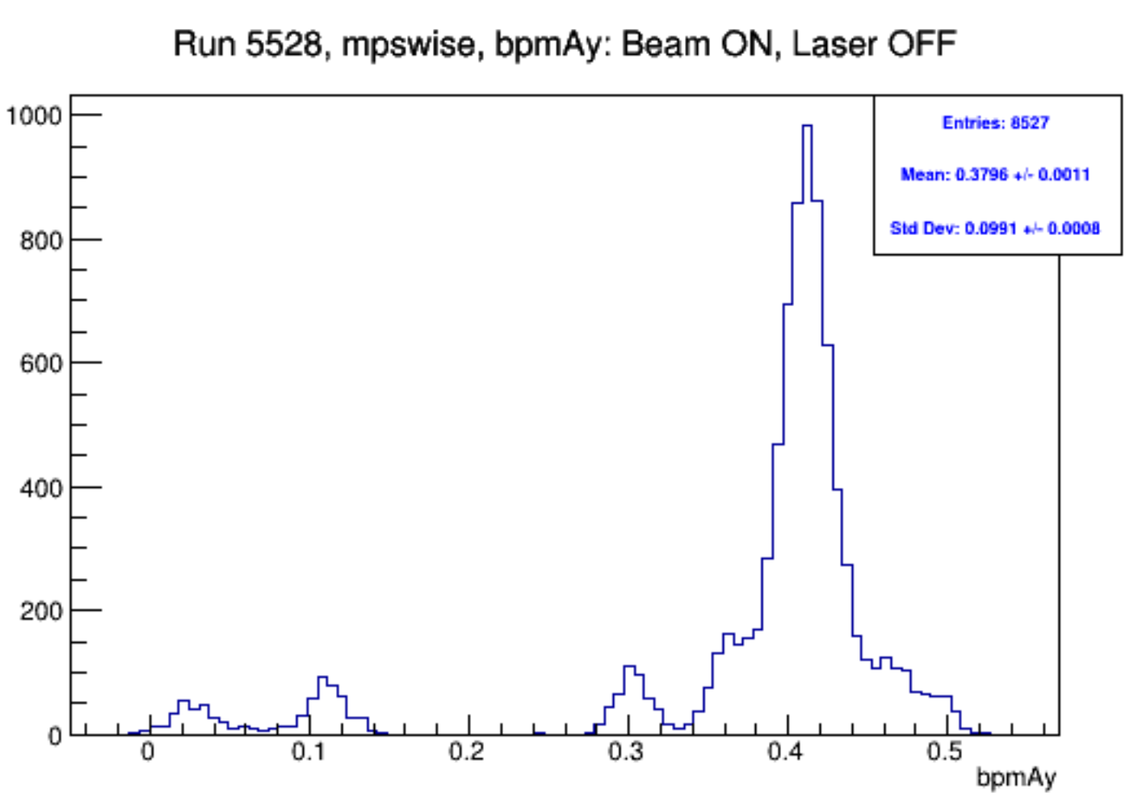

Run 5528, mpswise, bpmAx: Beam ON, Laser ON
Entries: 9948
Mean: -0.2118 +/- 0.0001
Std Dev: 0.0121 +/- 0.0001
1200
1000
800
600
400
200
0
−0.24
−0.22
−0.2
−0.18
−0.16
−0.14
bpmAx

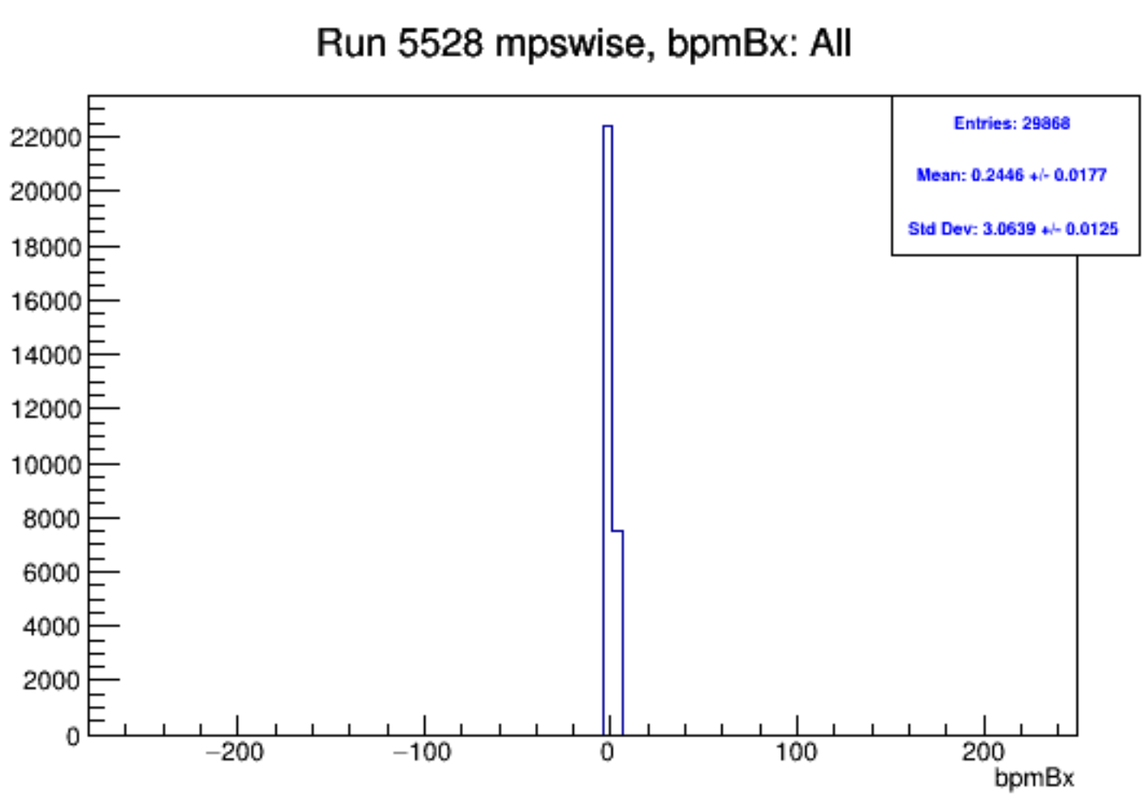

Run 5528, mpswise, bpmAx: Beam ON, Laser OFF
Entries: 8527
Mean: -0.2145 +/- 0.0001
Std Dev: 0.0100 +/- 0.0001
1000
800
600
400
200
0
−0.24
−0.22
−0.2
−0.18
−0.16
−0.14
bpmAx

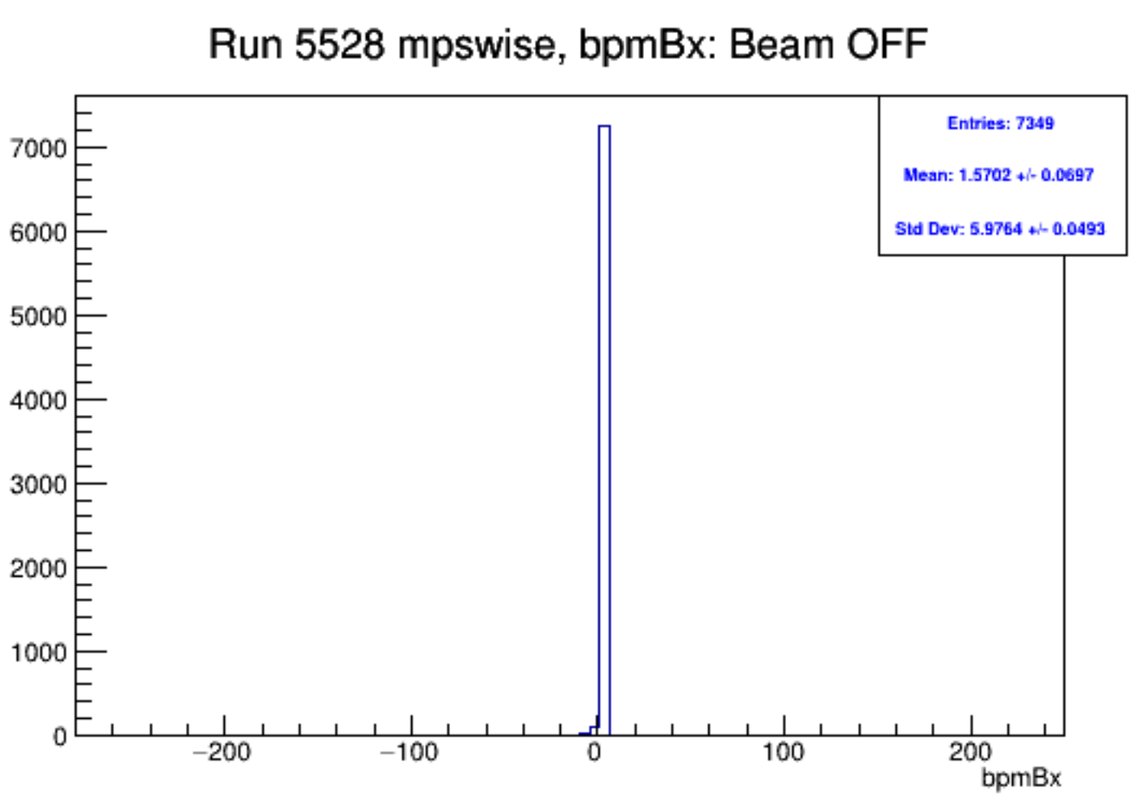

Run 5528 mpswise, bpmAy: All
Entries: 29868
Mean: 0.2987 +/- 0.0011
Std Dev: 0.1819 +/- 0.0007
6000
5000
4000
3000
2000
1000
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
bpmAy

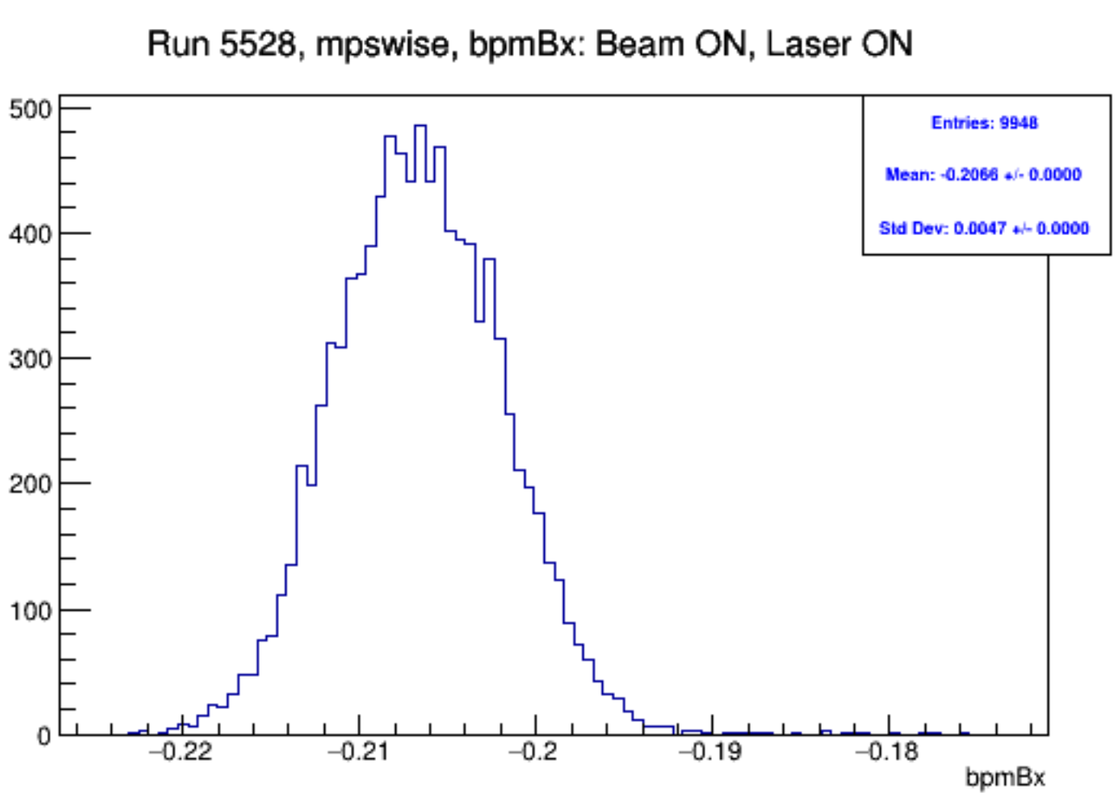

Run 5528 mpswise, bpmAy: Beam OFF
Entries: 7349
Mean: 0.0323 +/- 0.0014
Std Dev: 0.1200 +/- 0.0010
500
400
300
200
100
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
bpmAy

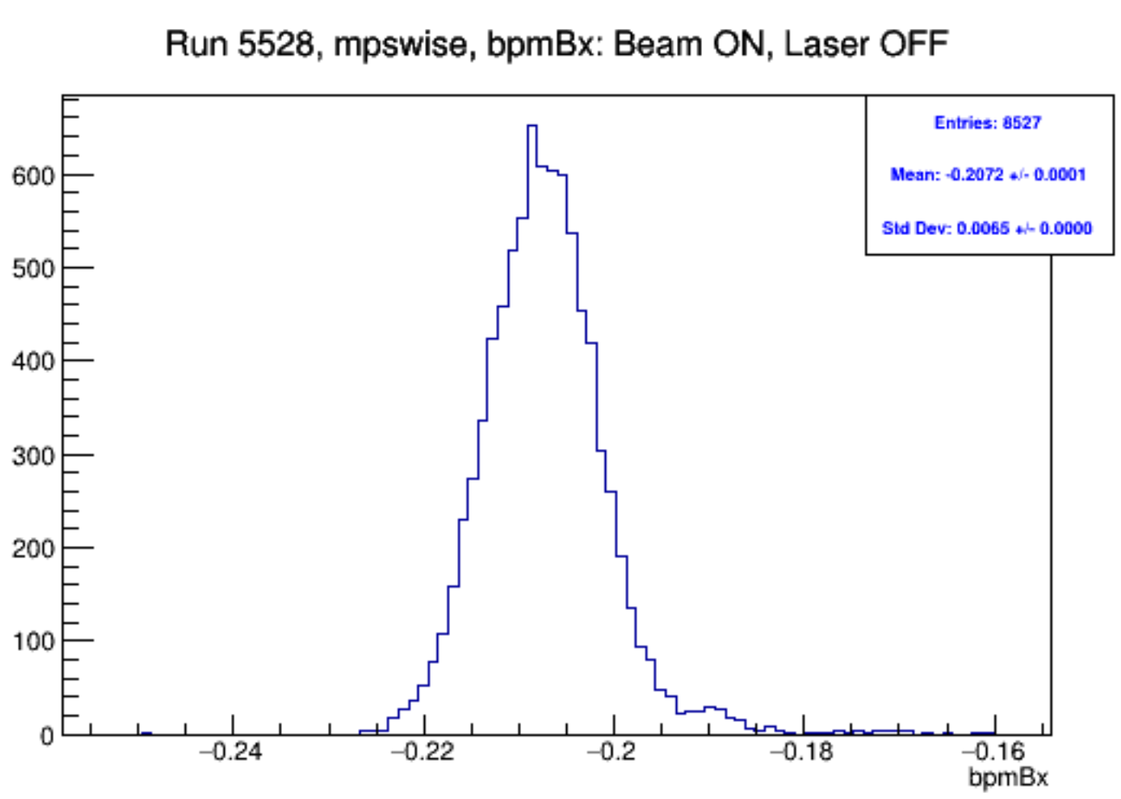

Run 5528, mpswise, bpmAy: Beam ON, Laser ON
Entries: 9948
Mean: 0.3950 +/- 0.0008
Std Dev: 0.0774 +/- 0.0005
700
600
500
400
300
200
100
0
0.1
0.2
0.3
0.4
0.5
bpmAy

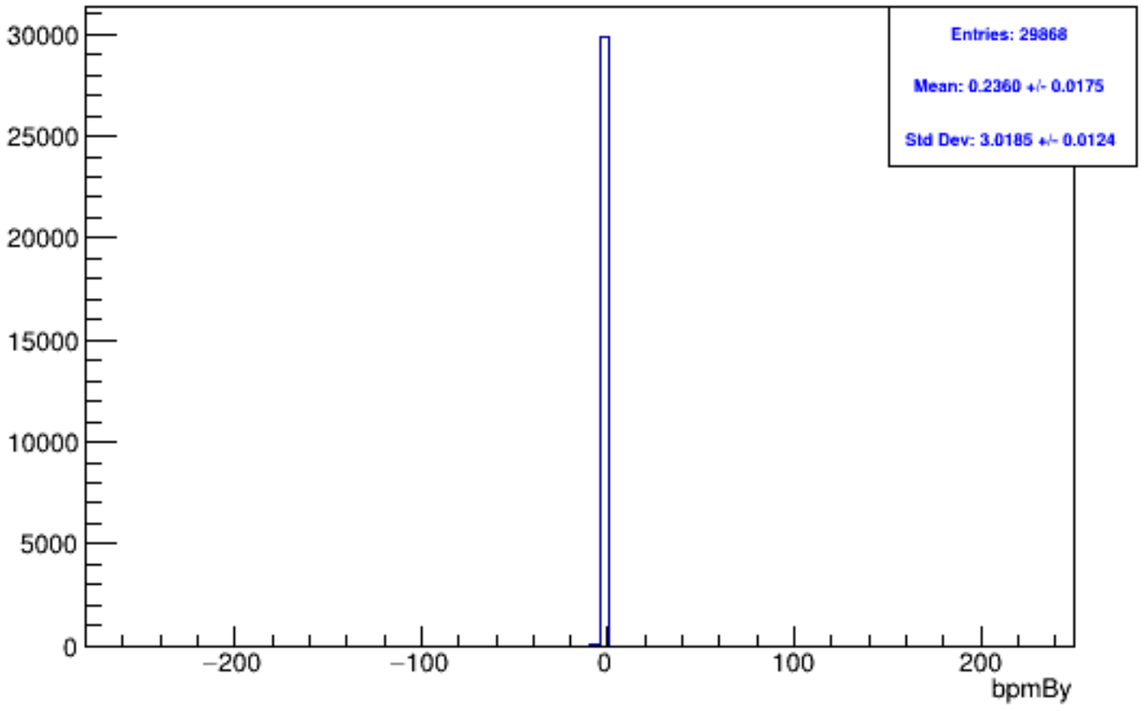

Run 5528, mpswise, bpmAy: Beam ON, Laser OFF
Entries: 8527
Mean: 0.3796 +/- 0.0011
Std Dev: 0.0991 +/- 0.0008
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
bpmAy

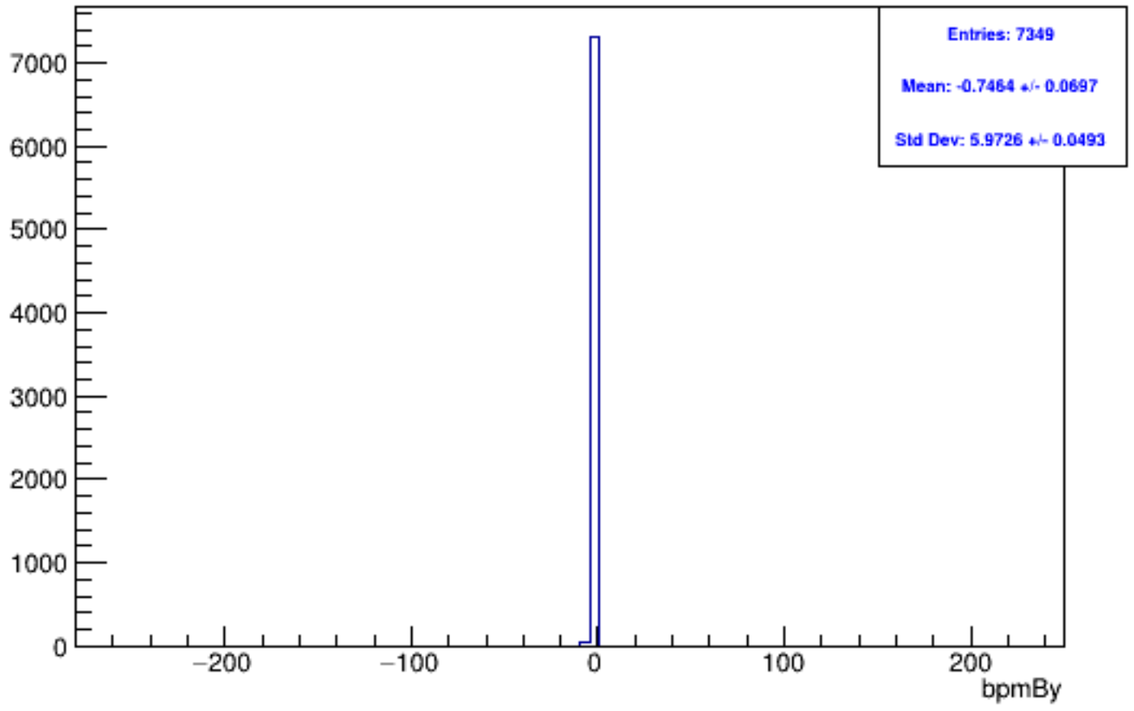

Run 5528 mpswise, bpmBx: All
Entries: 29868
Mean: 0.2446 +/- 0.0177
Std Dev: 3.0639 +/- 0.0125
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−200
−100
0
100
200
bpmBx

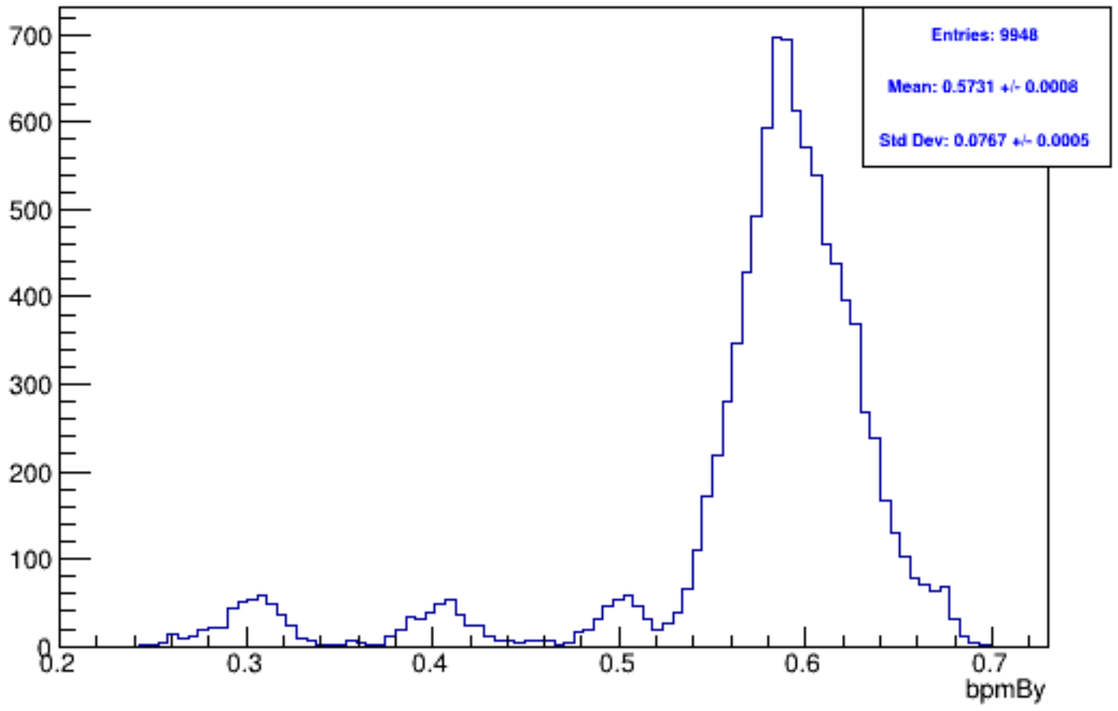

Run 5528 mpswise, bpmBx: Beam OFF
Entries: 7349
Mean: 1.5702 +/- 0.0697
Std Dev: 5.9764 +/- 0.0493
7000
6000
5000
4000
3000
2000
1000
0
−200
−100
0
100
200
bpmBx

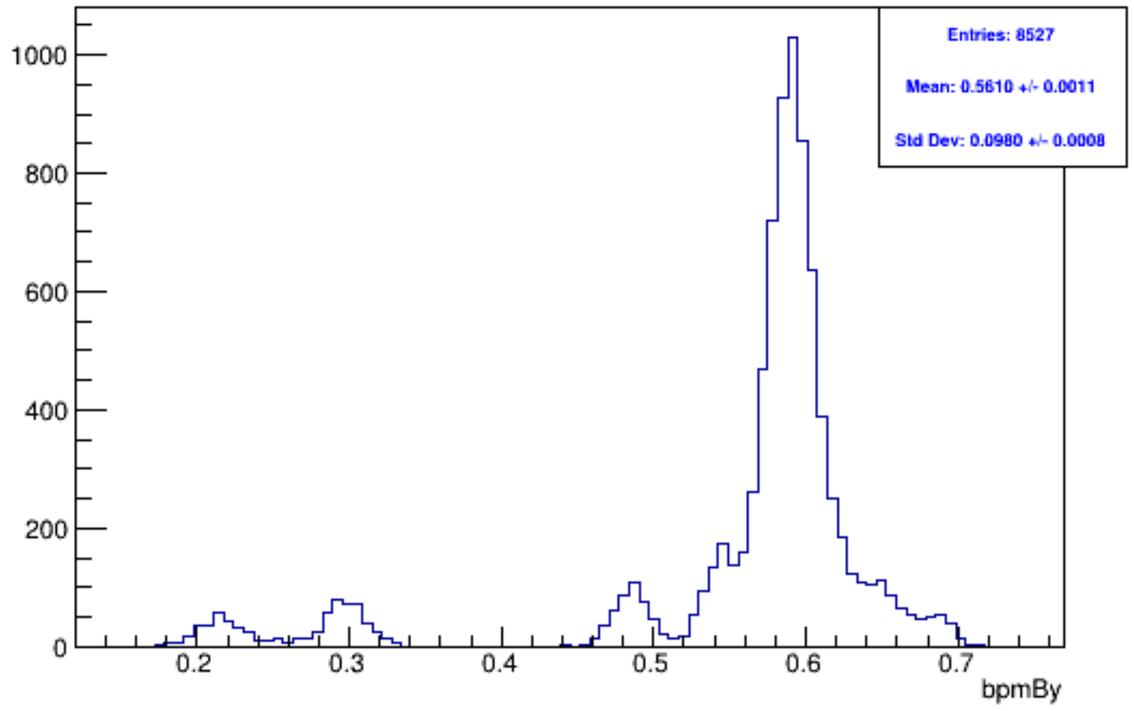

Run 5528, mpswise, bpmBx: Beam ON, Laser ON
Entries: 9948
Mean: -0.2066 +/- 0.0000
Std Dev: 0.0047 +/- 0.0000
500
400
300
200
100
0
−0.22
−0.21
−0.2
−0.19
−0.18
bpmBx


Run 5528, mpswise, bpmBx: Beam ON, Laser OFF
Entries: 8527
Mean: -0.2072 +/- 0.0001
Std Dev: 0.0065 +/- 0.0000
600
500
400
300
200
100
0
−0.24
−0.22
−0.2
−0.18
−0.16
bpmBx

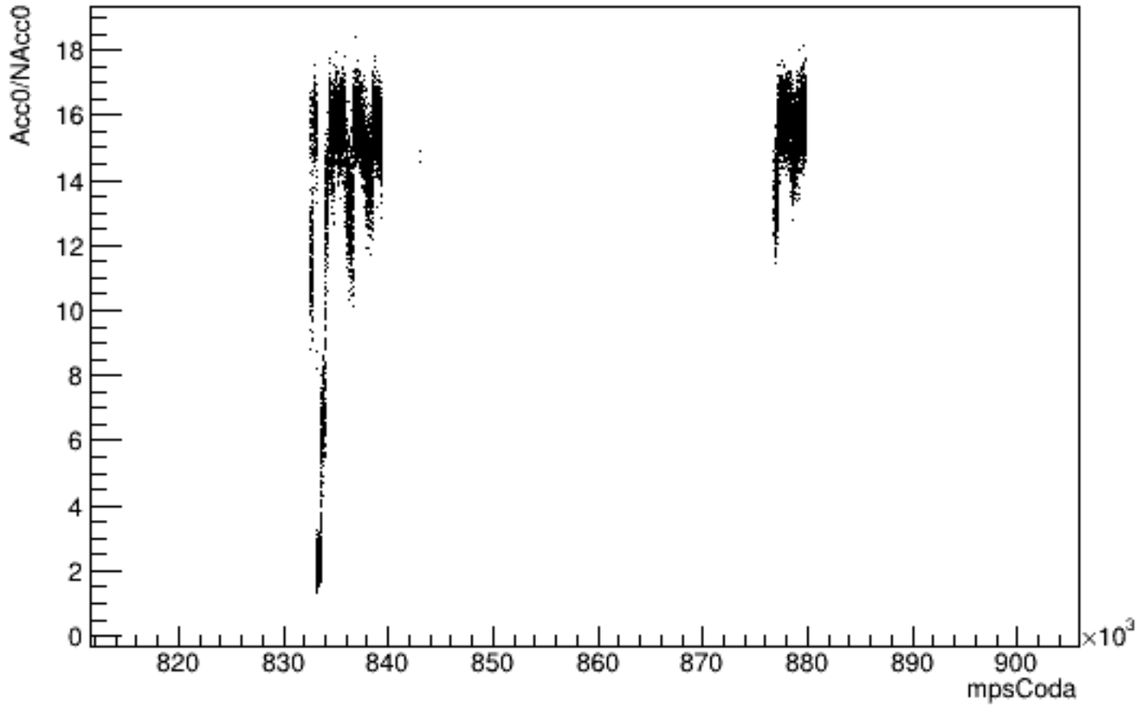

Run 5528 mpswise, bpmBy: All
Entries: 29868
Mean: 0.2360 +/- 0.0175
Std Dev: 3.0185 +/- 0.0124
30000
25000
20000
15000
10000
5000
0
−200
−100
0
100
200
bpmBy


Run 5528 mpswise, bpmBy: Beam OFF
Entries: 7349
Mean: -0.7464 +/- 0.0697
Std Dev: 5.9726 +/- 0.0493
7000
6000
5000
4000
3000
2000
1000
0
−200
−100
0
100
200
bpmBy

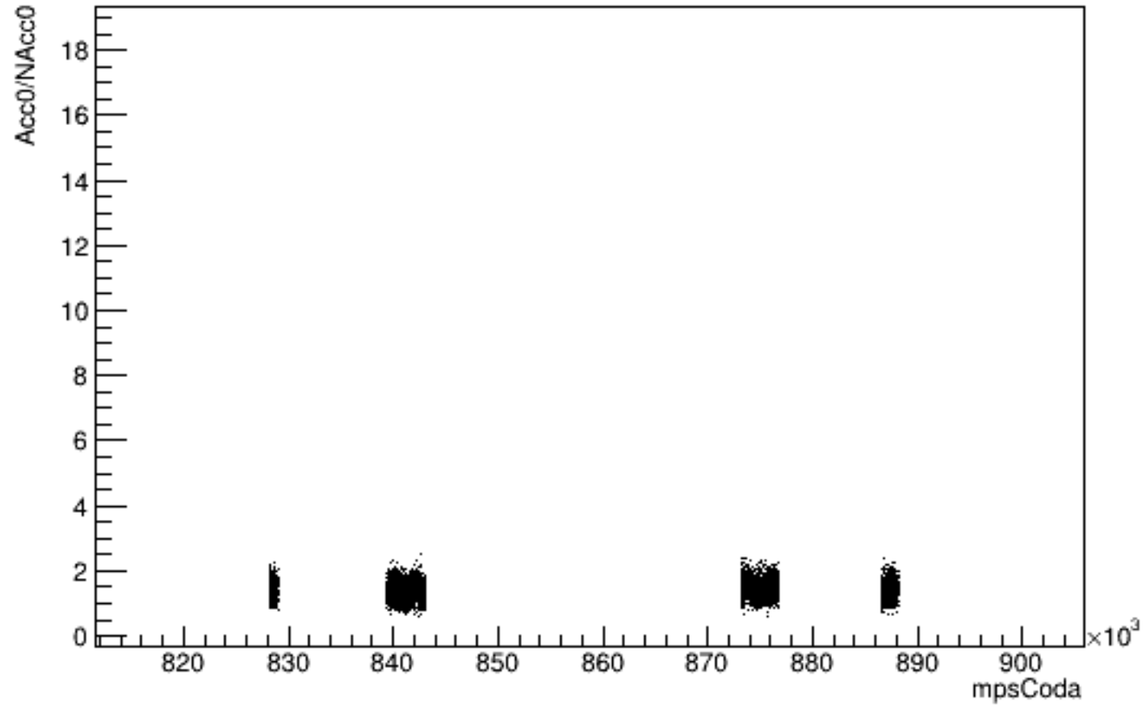

Run 5528, mpswise, bpmBy: Beam ON, Laser ON
Entries: 9948
Mean: 0.5731 +/- 0.0008
Std Dev: 0.0767 +/- 0.0005
700
600
500
400
300
200
100
0
0.2
0.3
0.4
0.5
0.6
0.7
bpmBy


Run 5528, mpswise, bpmBy: Beam ON, Laser OFF
Entries: 8527
Mean: 0.5610 +/- 0.0011
Std Dev: 0.0980 +/- 0.0008
1000
800
600
400
200
0
0.2
0.3
0.4
0.5
0.6
0.7
bpmBy

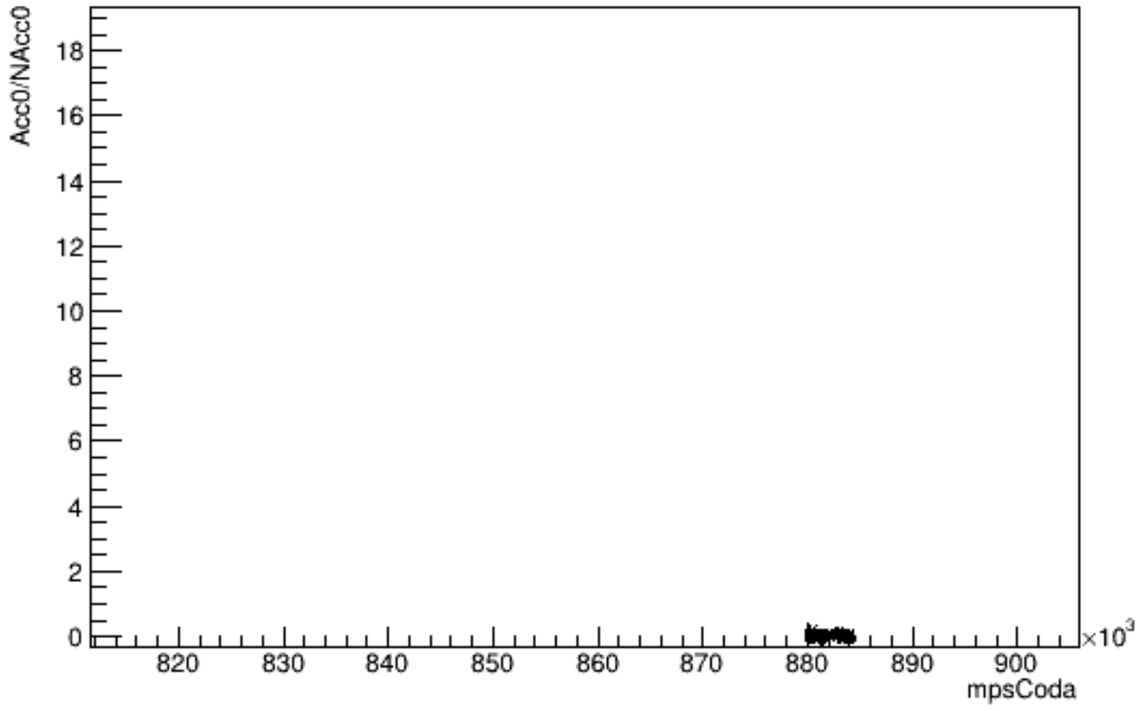
Run 5528 mpswise, beam ON, laser ON



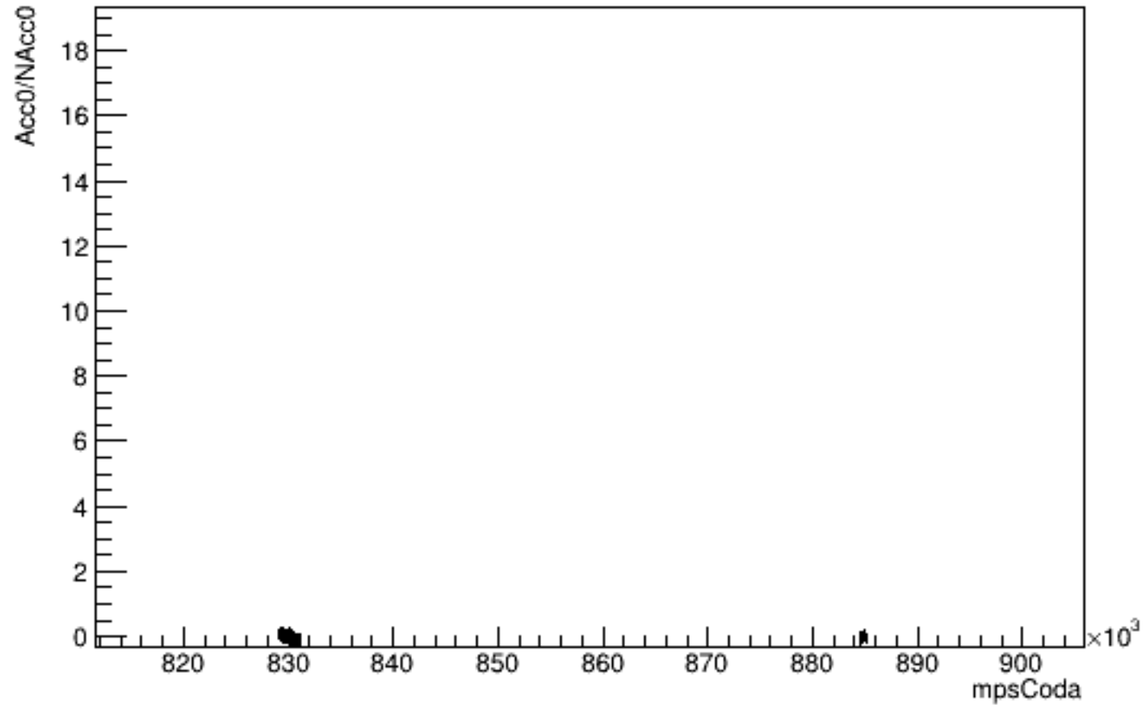
Run 5528 mpswise, beam ON, laser OFF



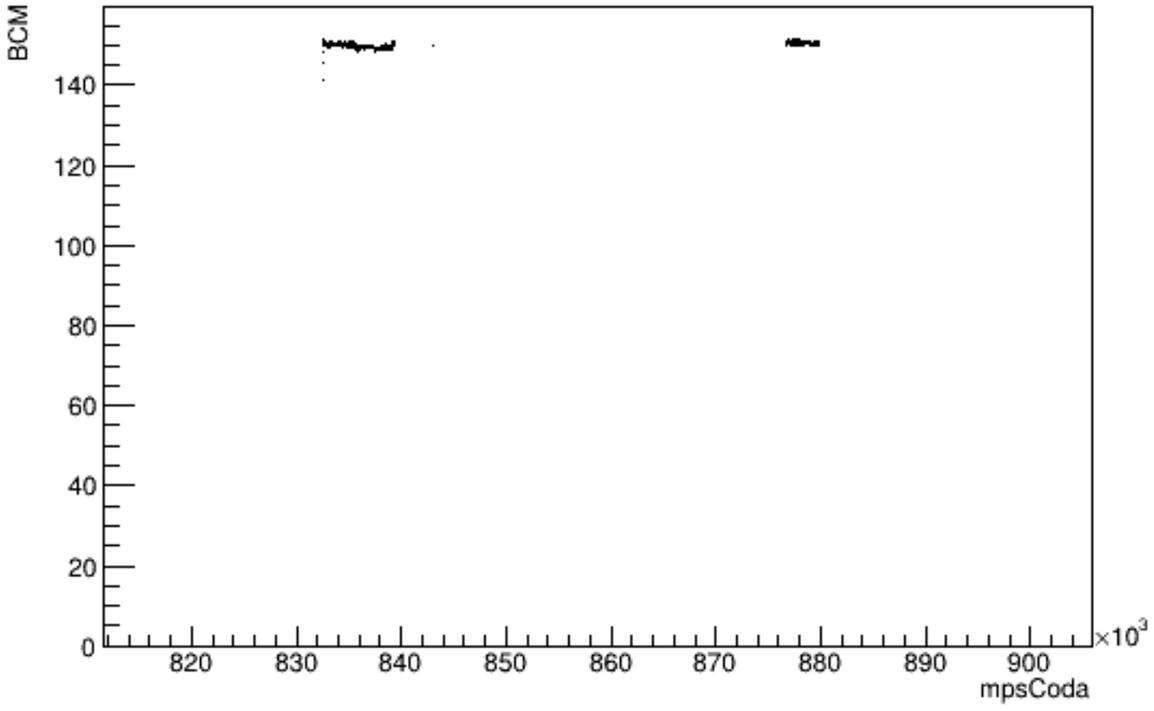
Run 5528 mpswise, beam OFF, laser ON



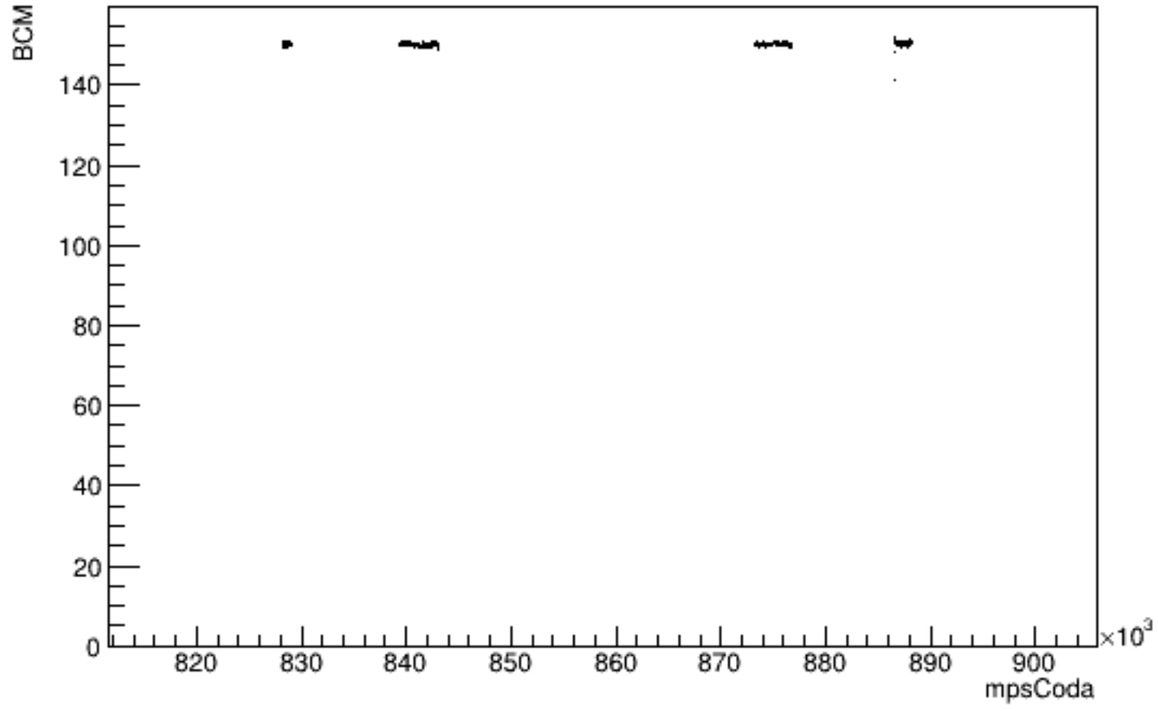
Run 5528 mpswise, beam OFF, laser OFF



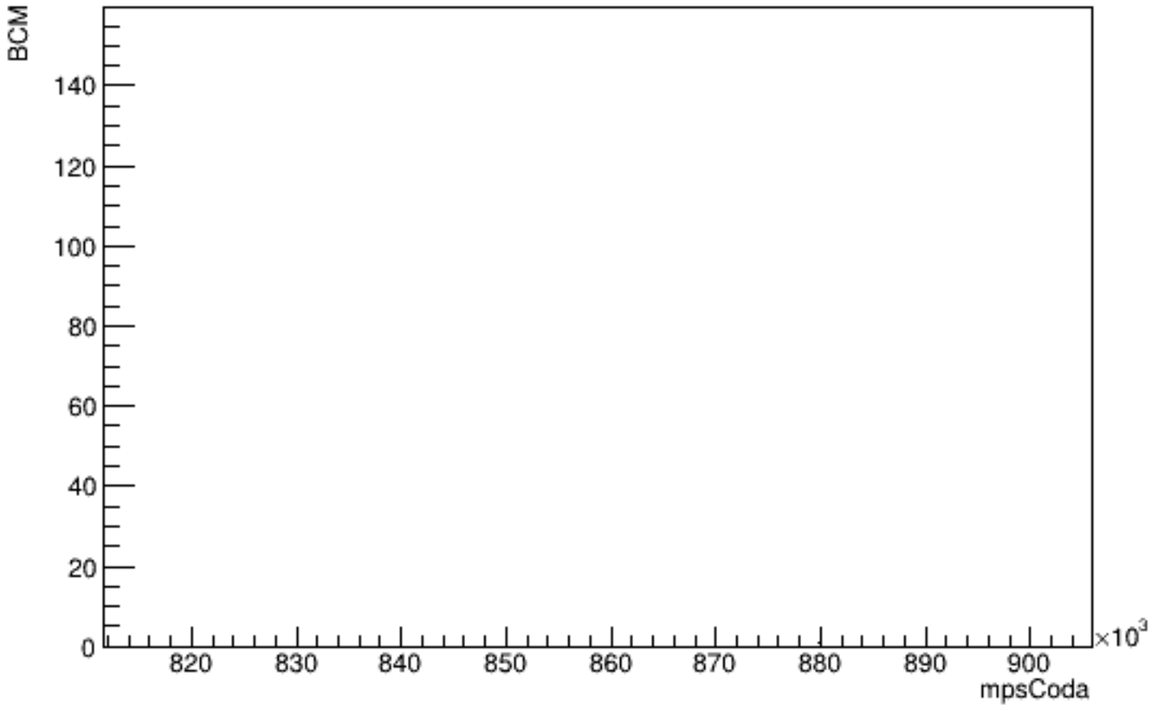
Run 5528 mpswise, beam ON, laser ON



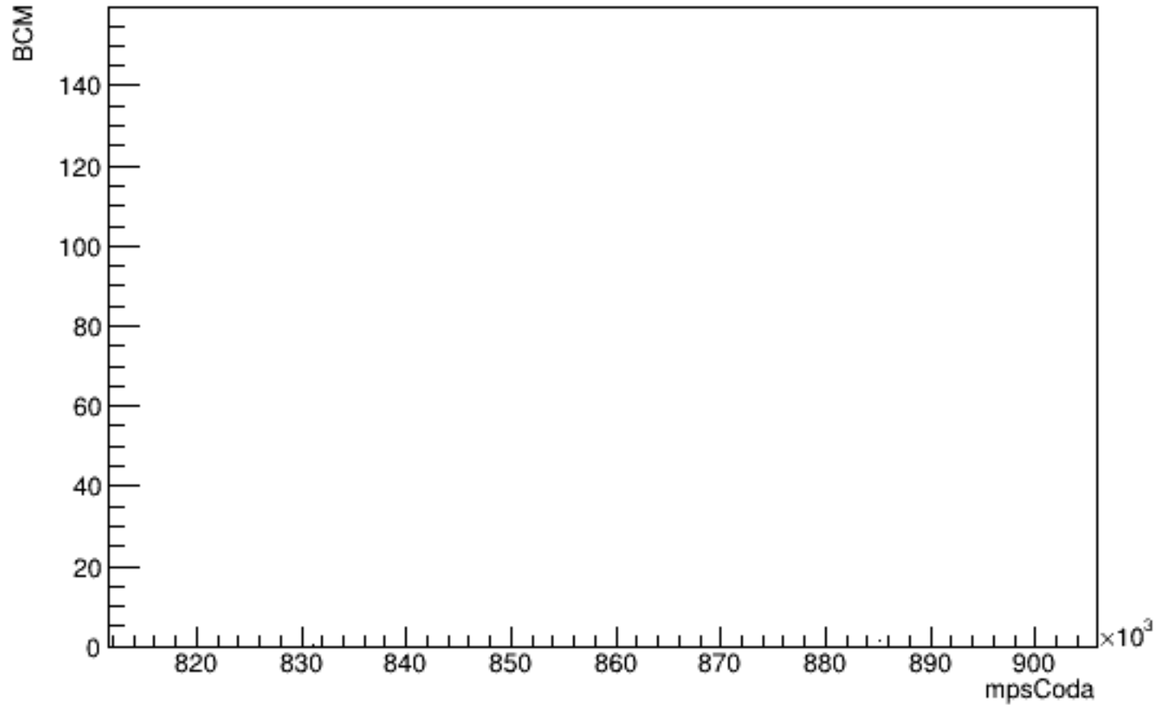
Run 5528 mpswise, beam ON, laser OFF



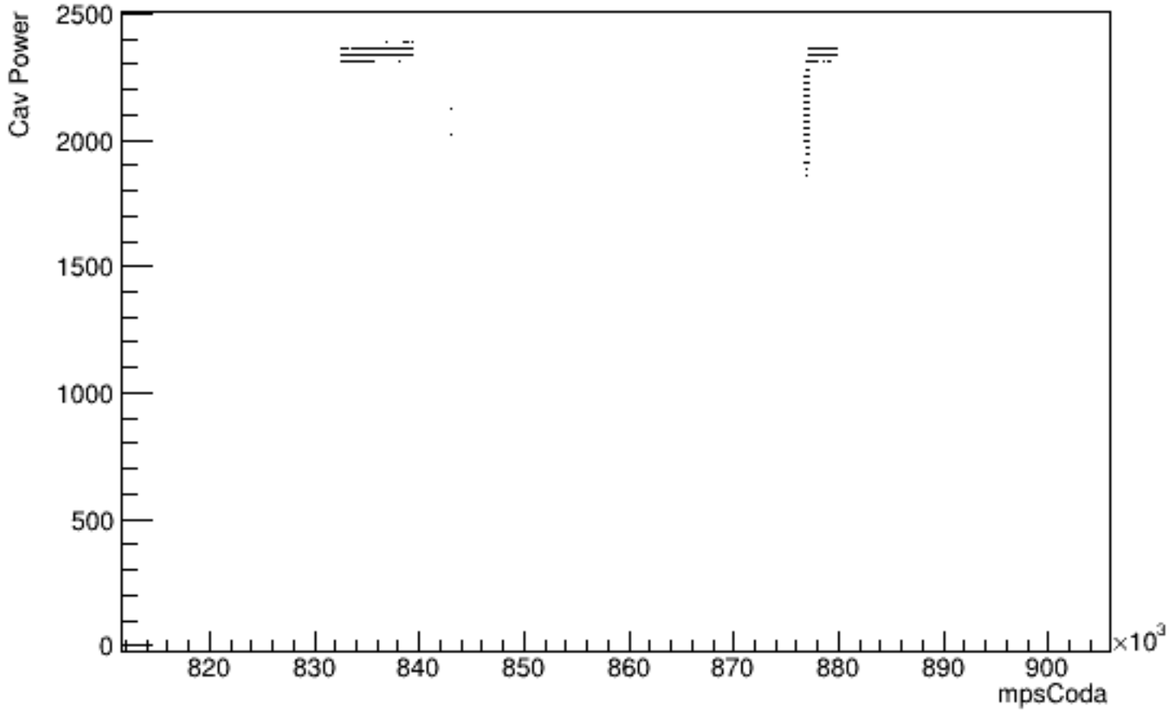
Run 5528 mpswise, beam OFF, laser ON



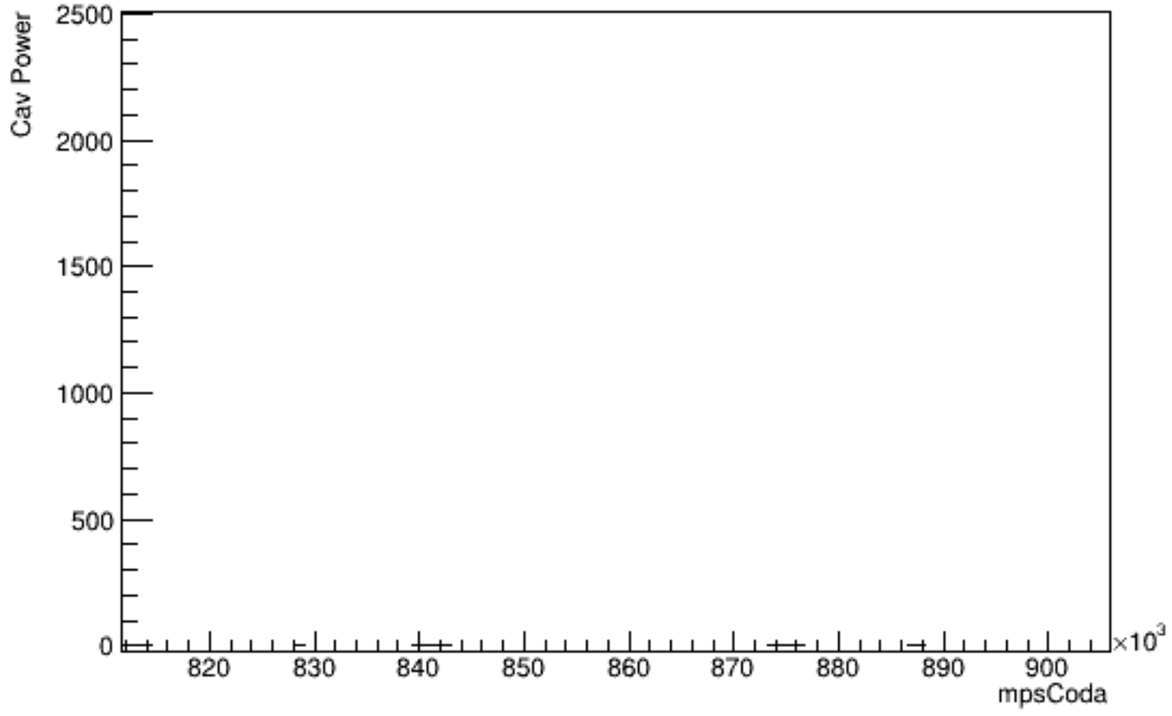
Run 5528 mpswise, beam OFF, laser OFF



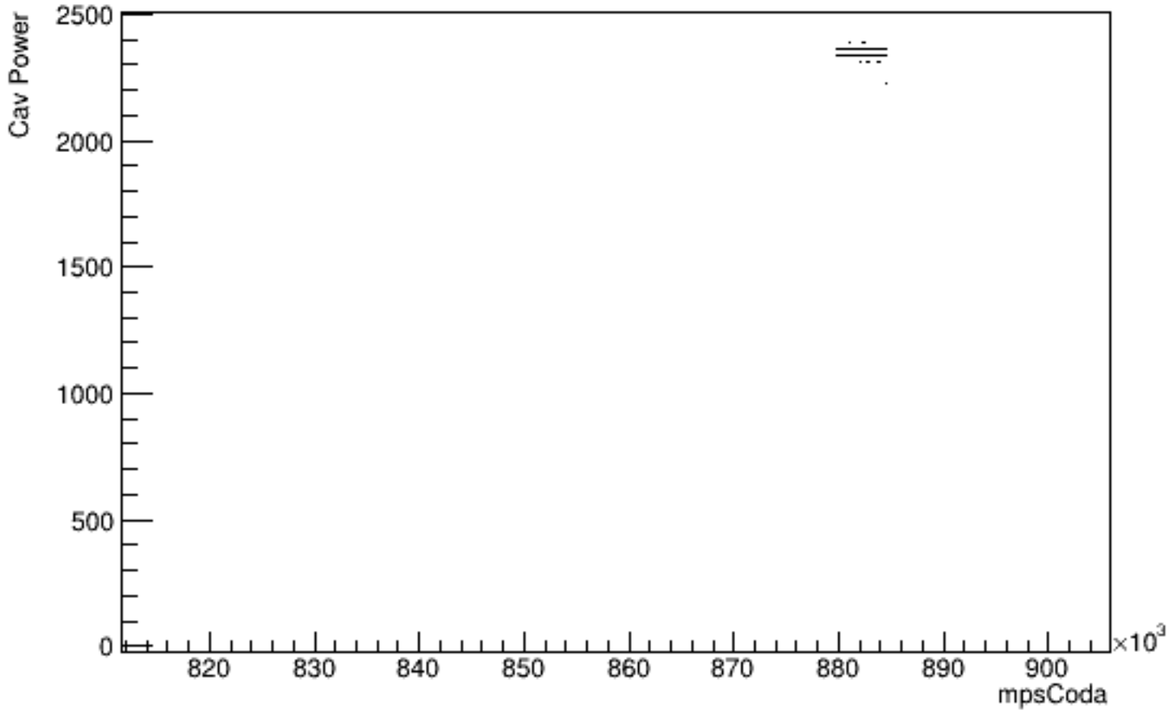
Run 5528 mpswise, beam ON, laser ON



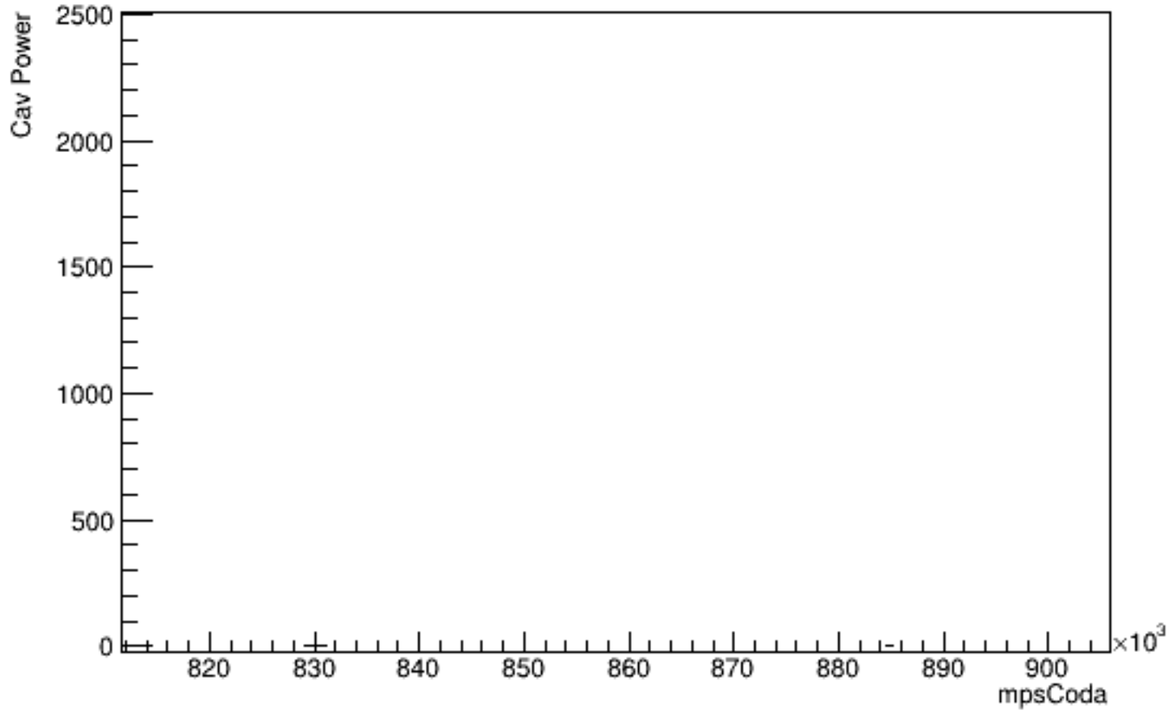
Run 5528 mpswise, beam ON, laser OFF



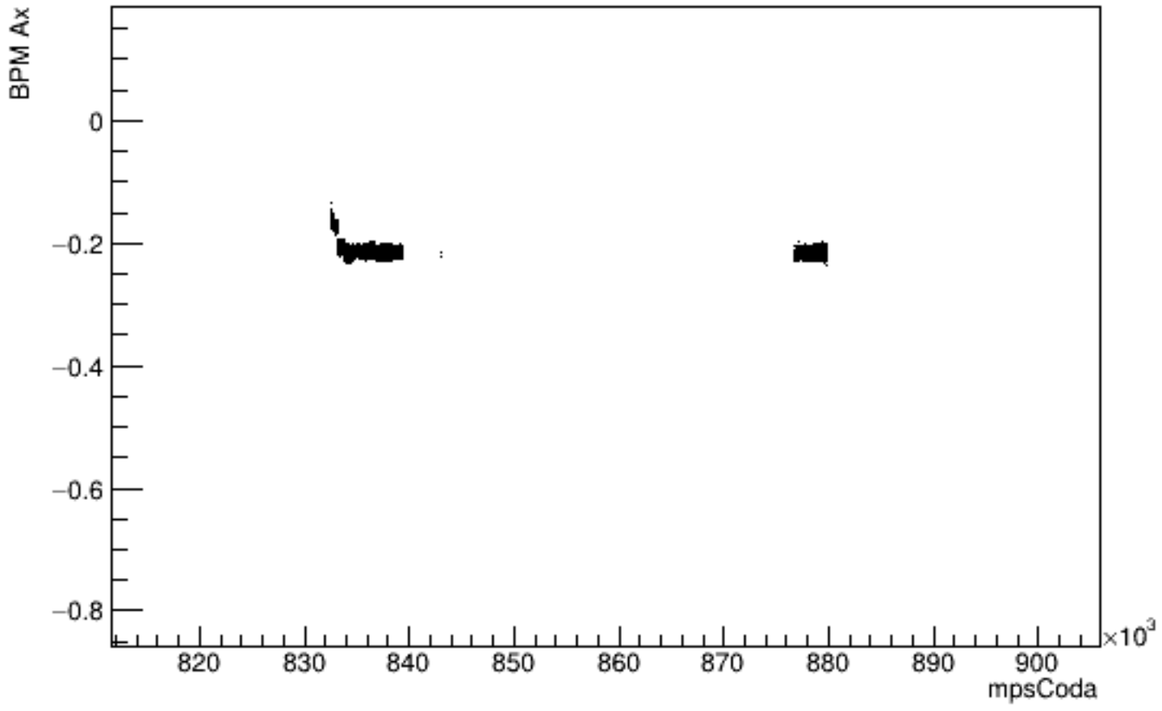
Run 5528 mpswise, beam OFF, laser ON



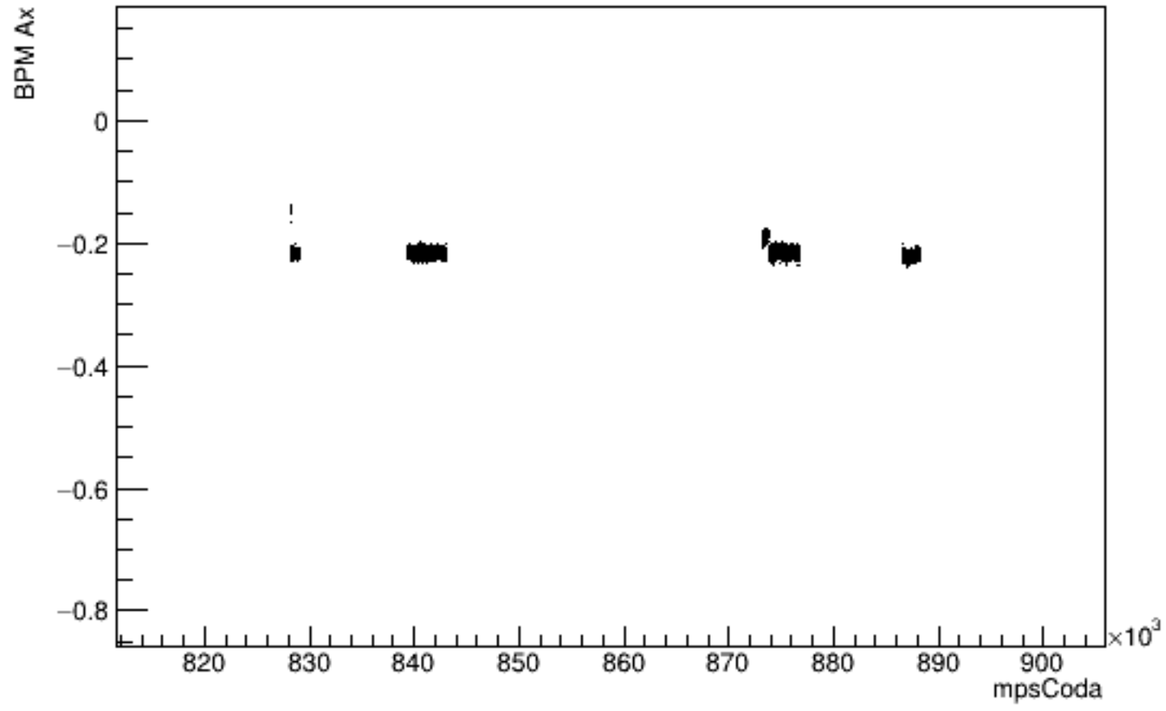
Run 5528 mpswise, beam OFF, laser OFF



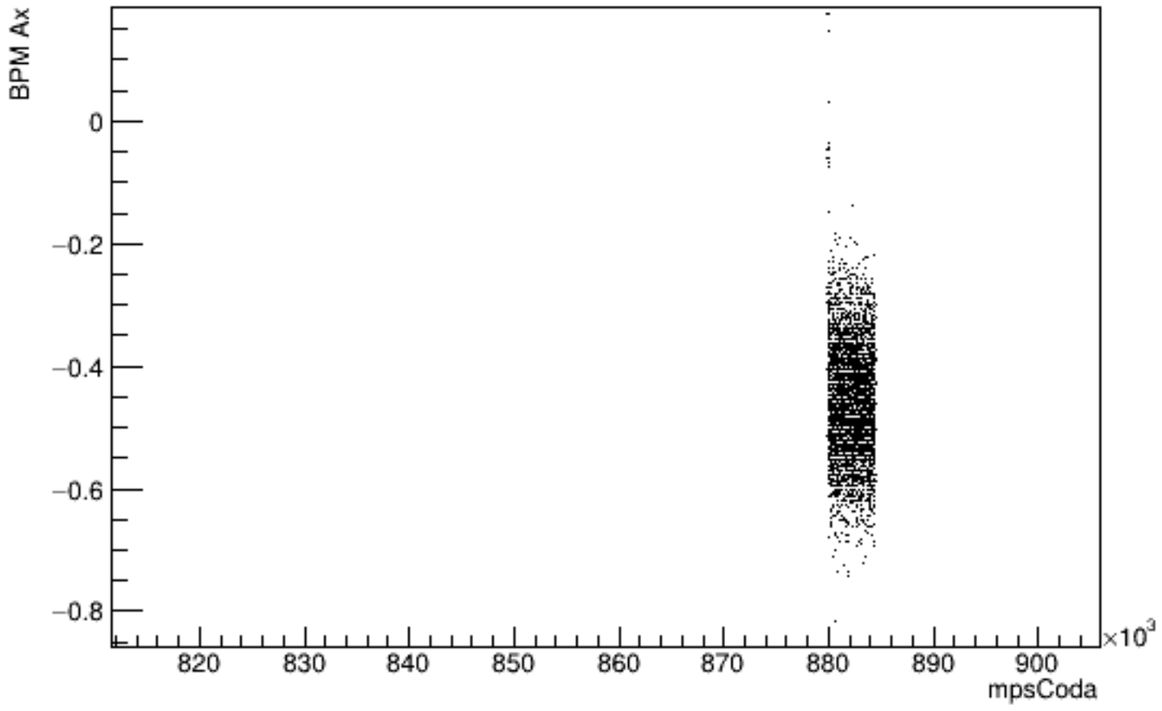
Run 5528 mpswise, beam ON, laser ON



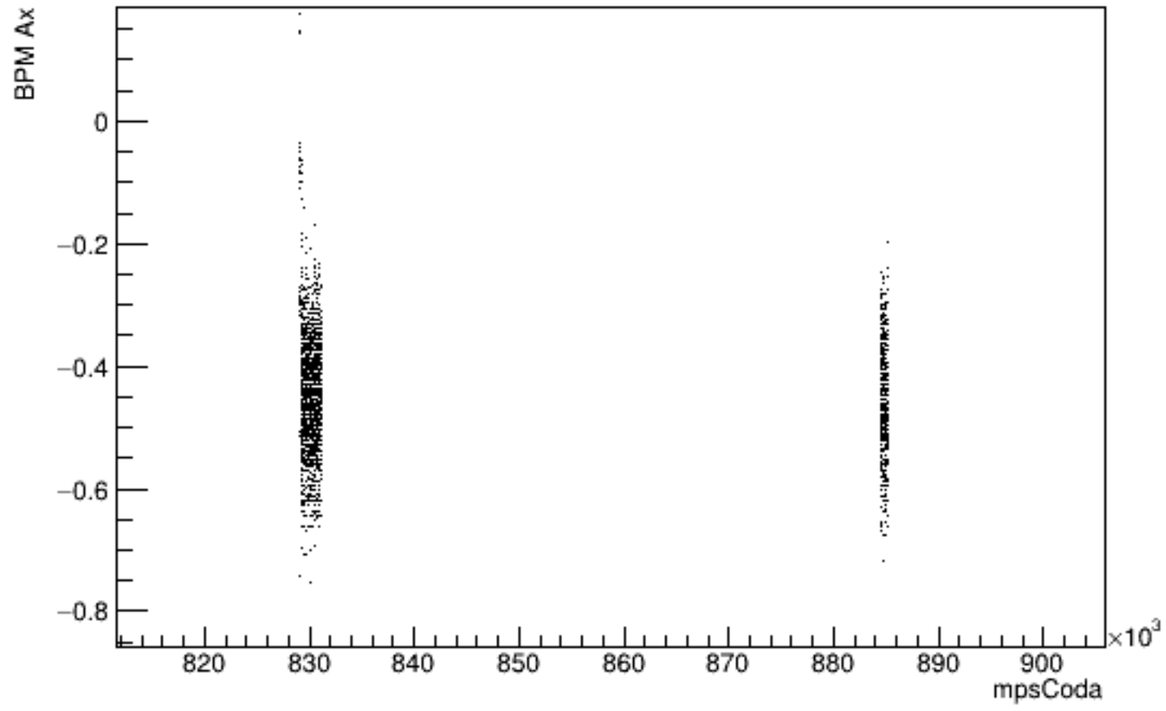
Run 5528 mpswise, beam ON, laser OFF



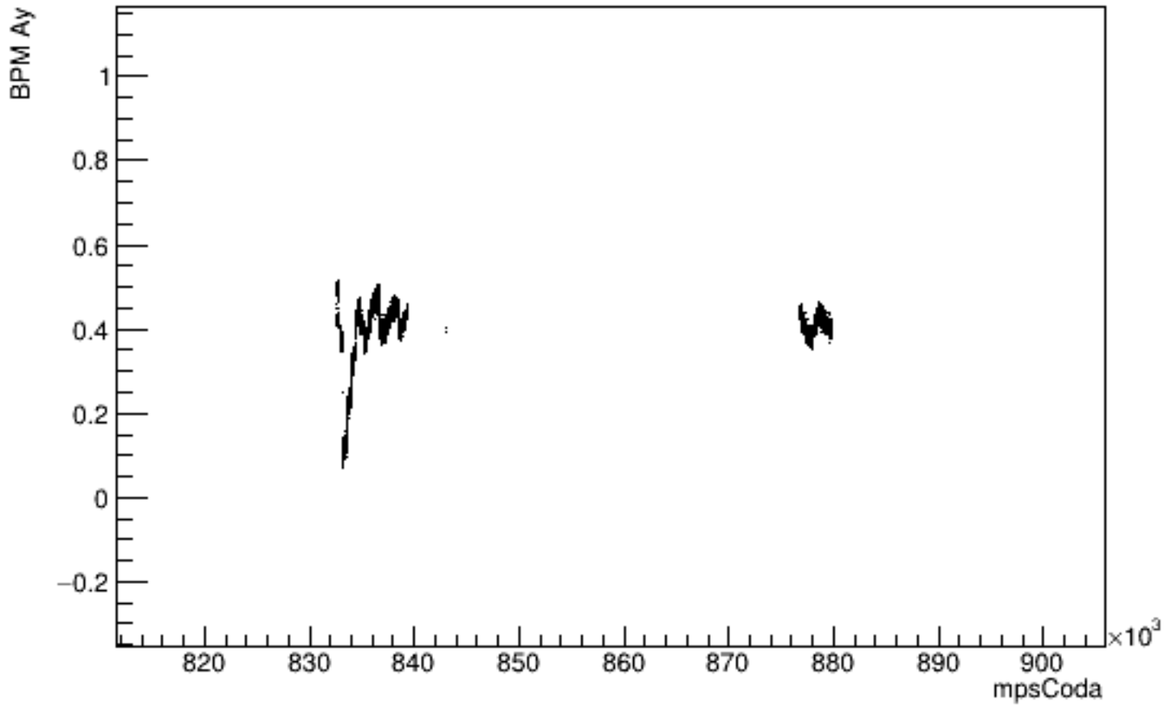
Run 5528 mpswise, beam OFF, laser ON



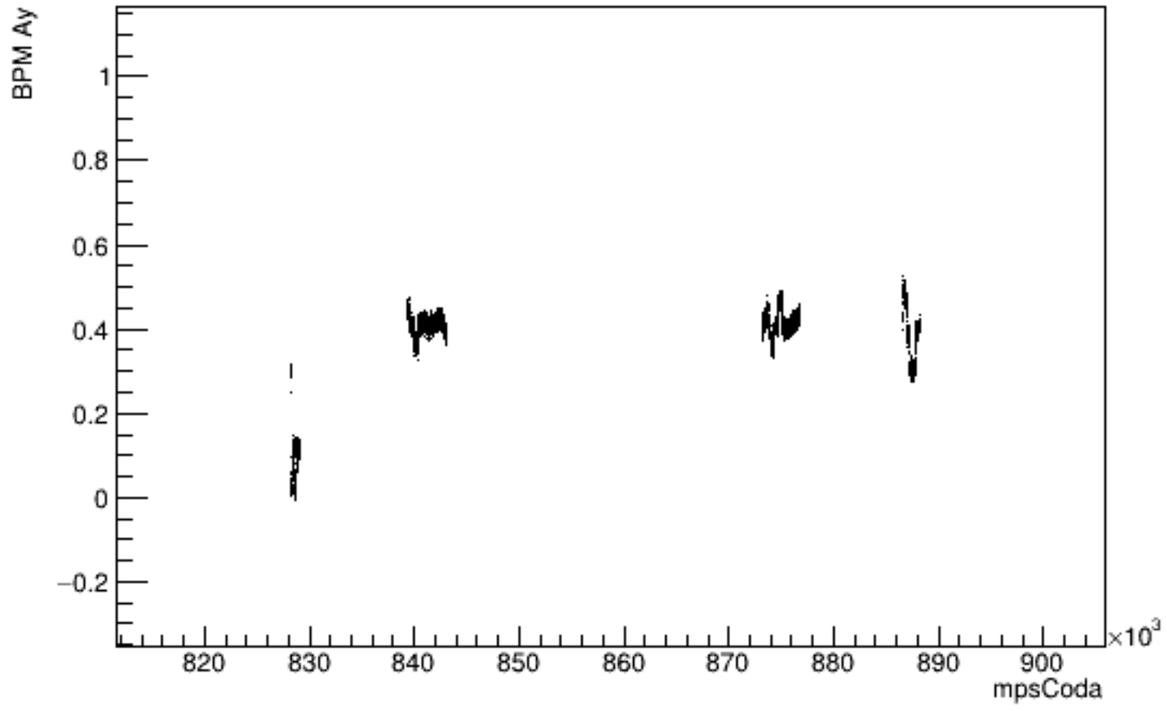
Run 5528 mpswise, beam OFF, laser OFF



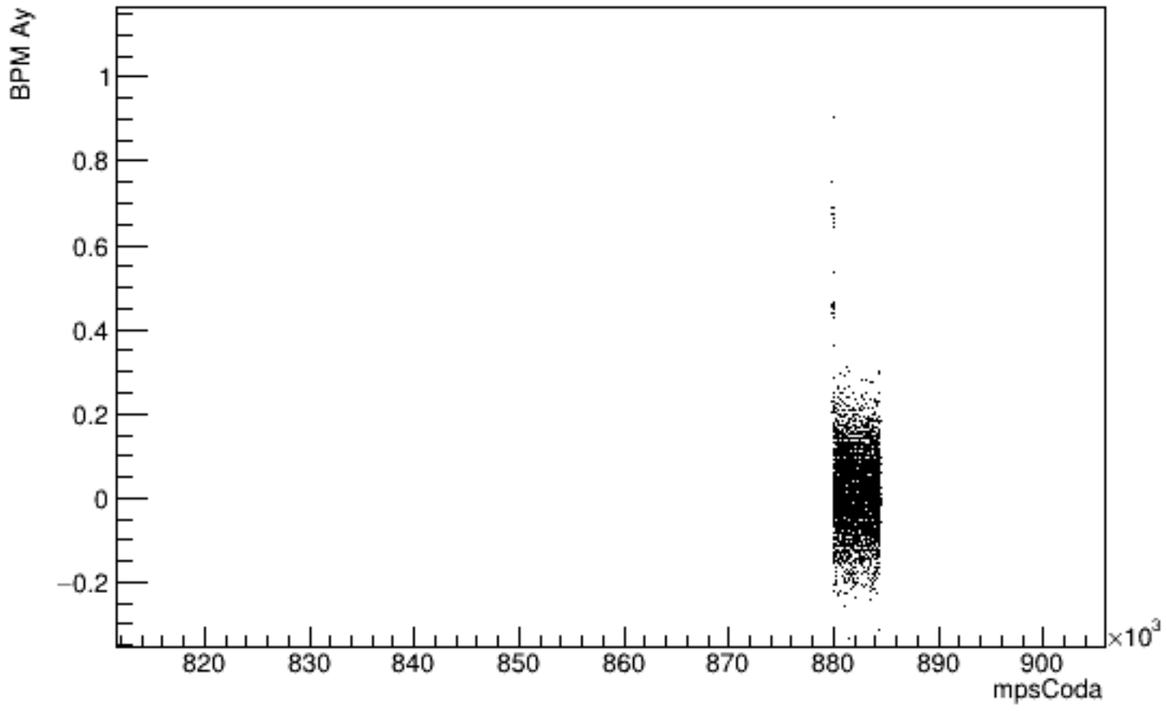
Run 5528 mpswise, beam ON, laser ON



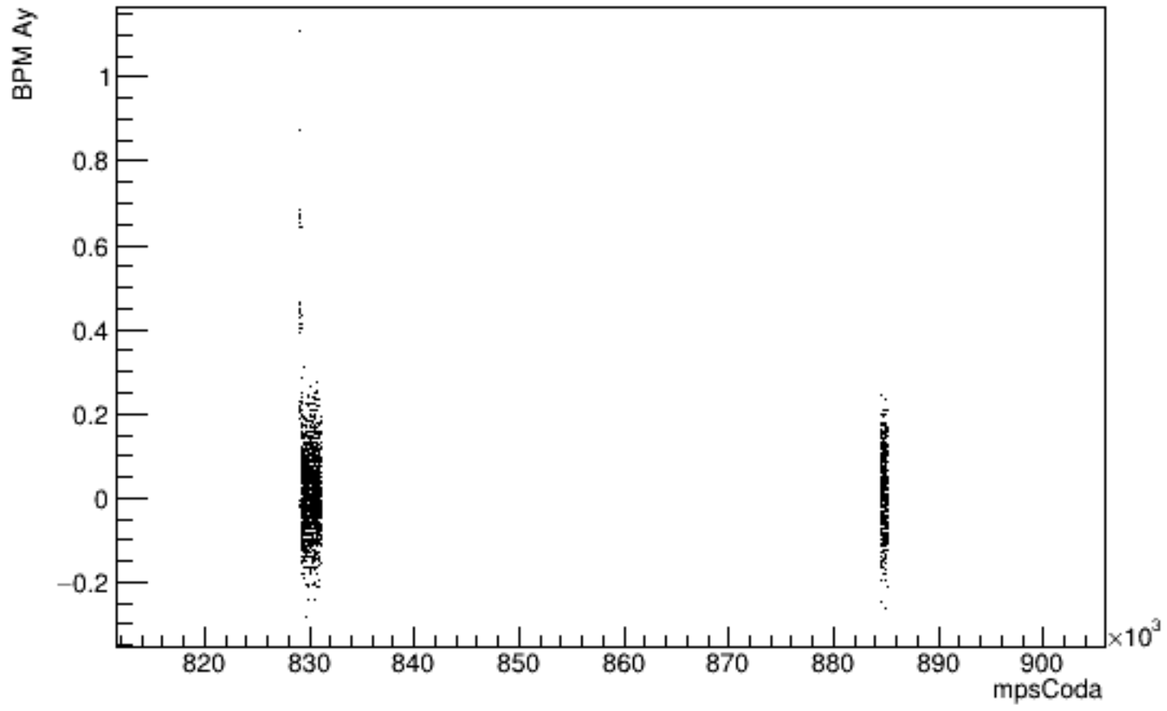
Run 5528 mpswise, beam ON, laser OFF

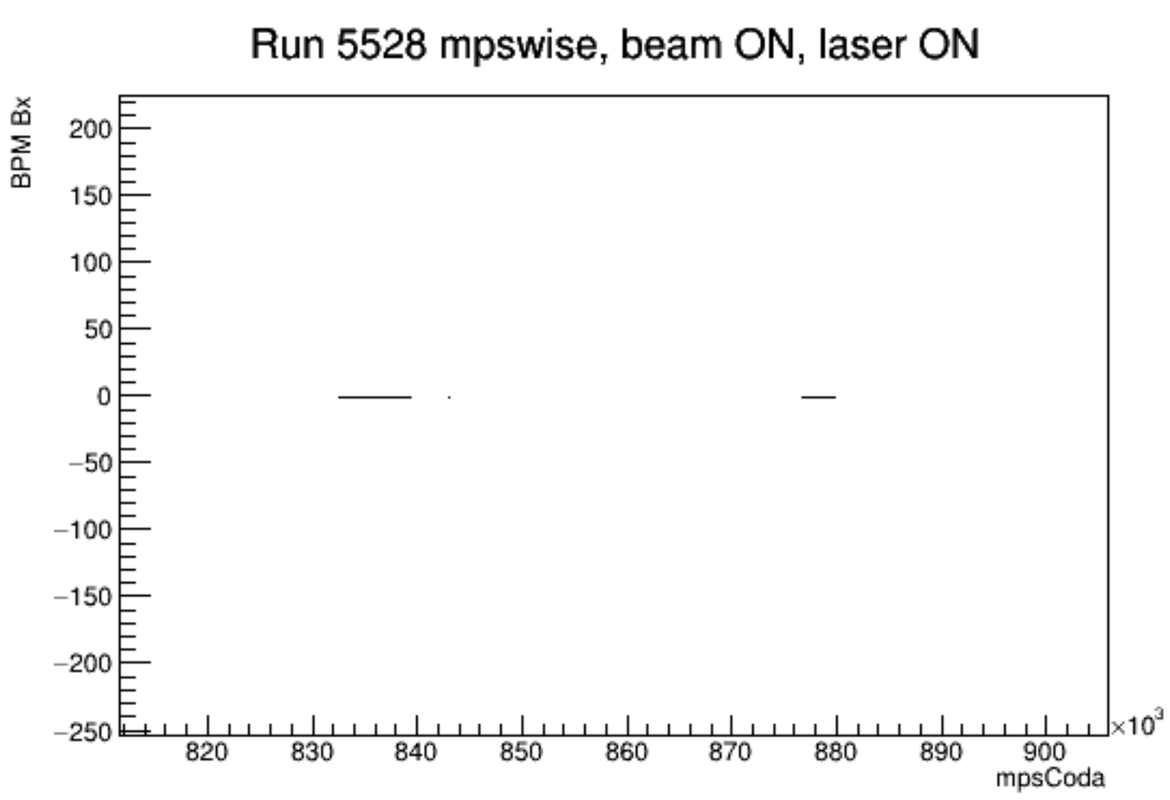


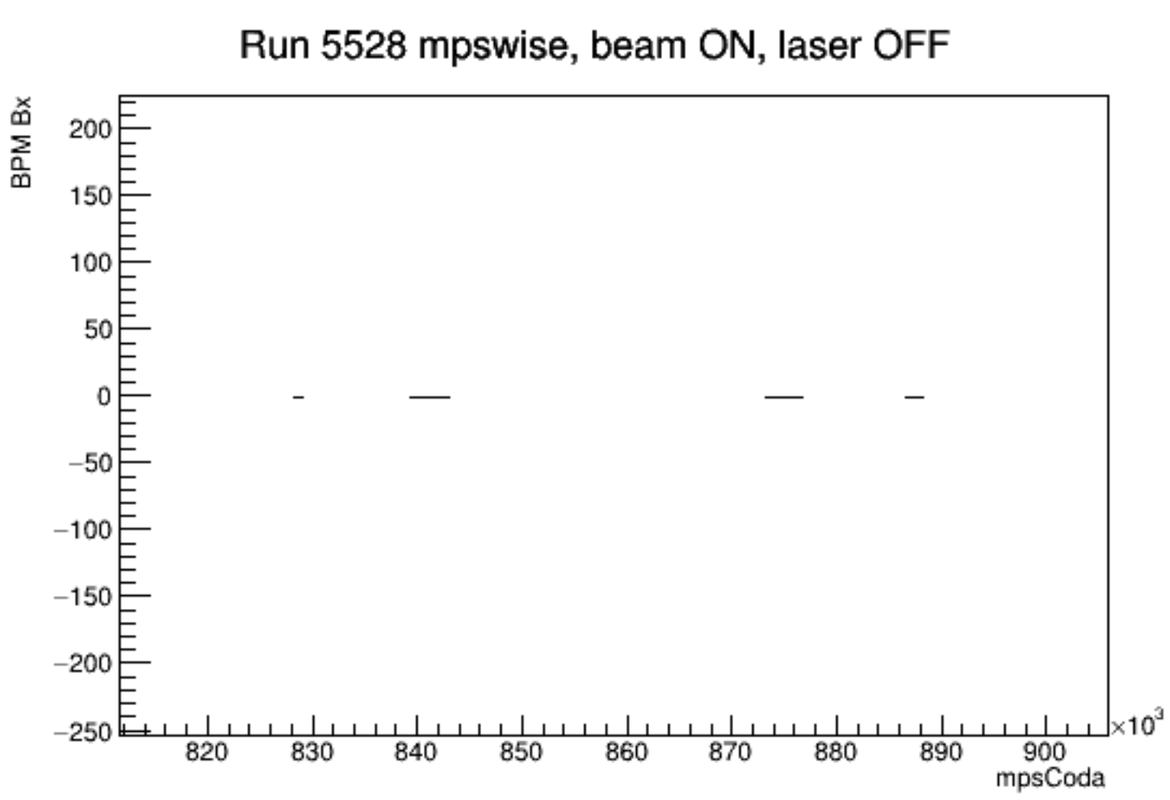
Run 5528 mpswise, beam OFF, laser ON

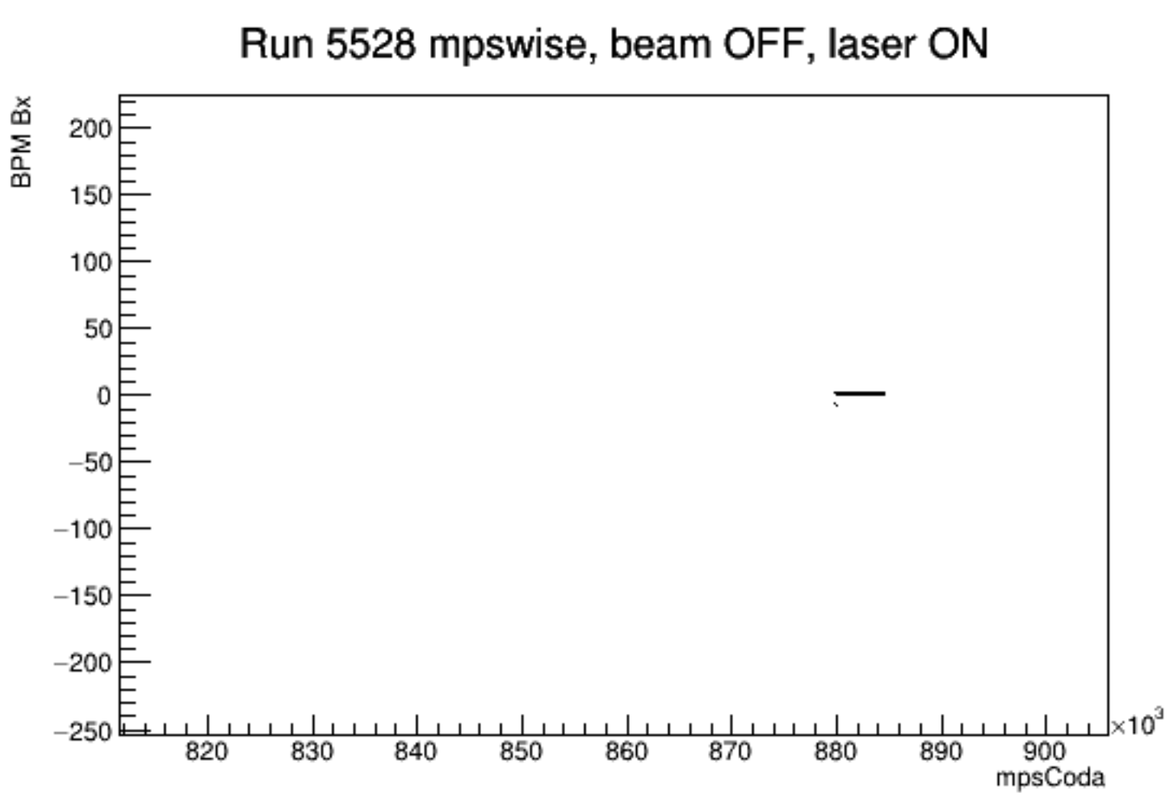


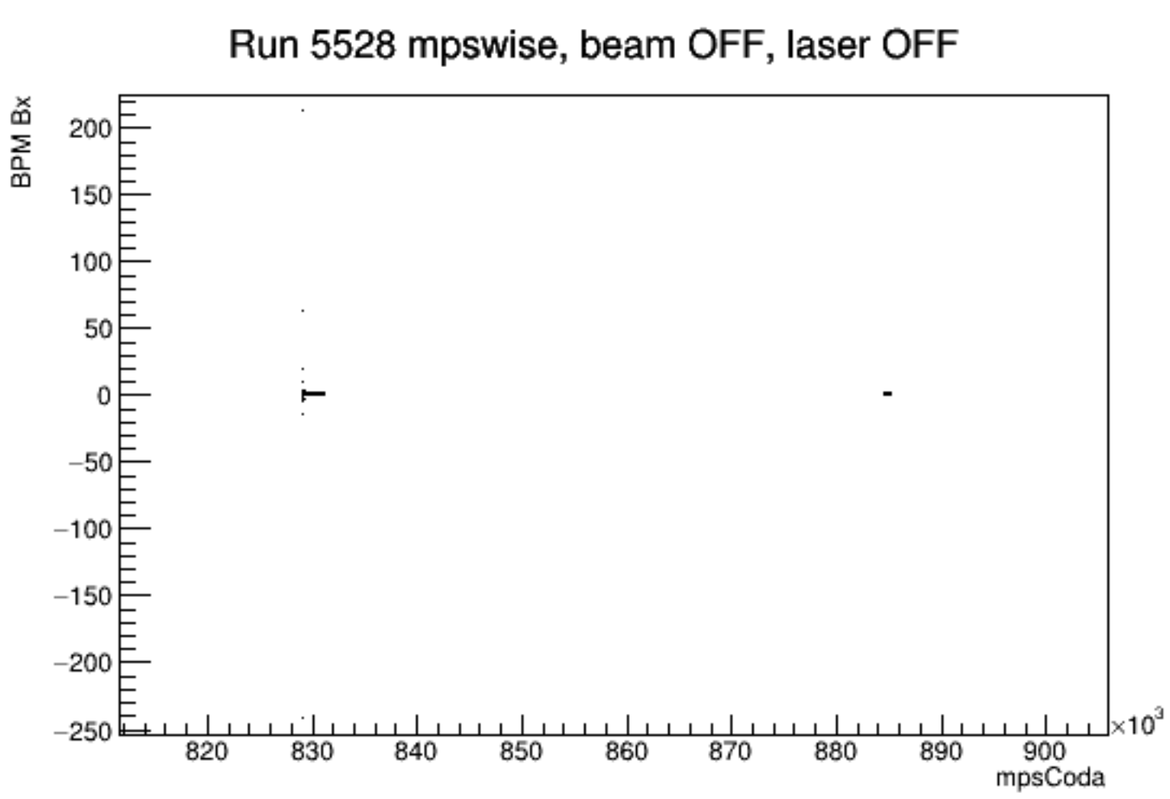
Run 5528 mpswise, beam OFF, laser OFF



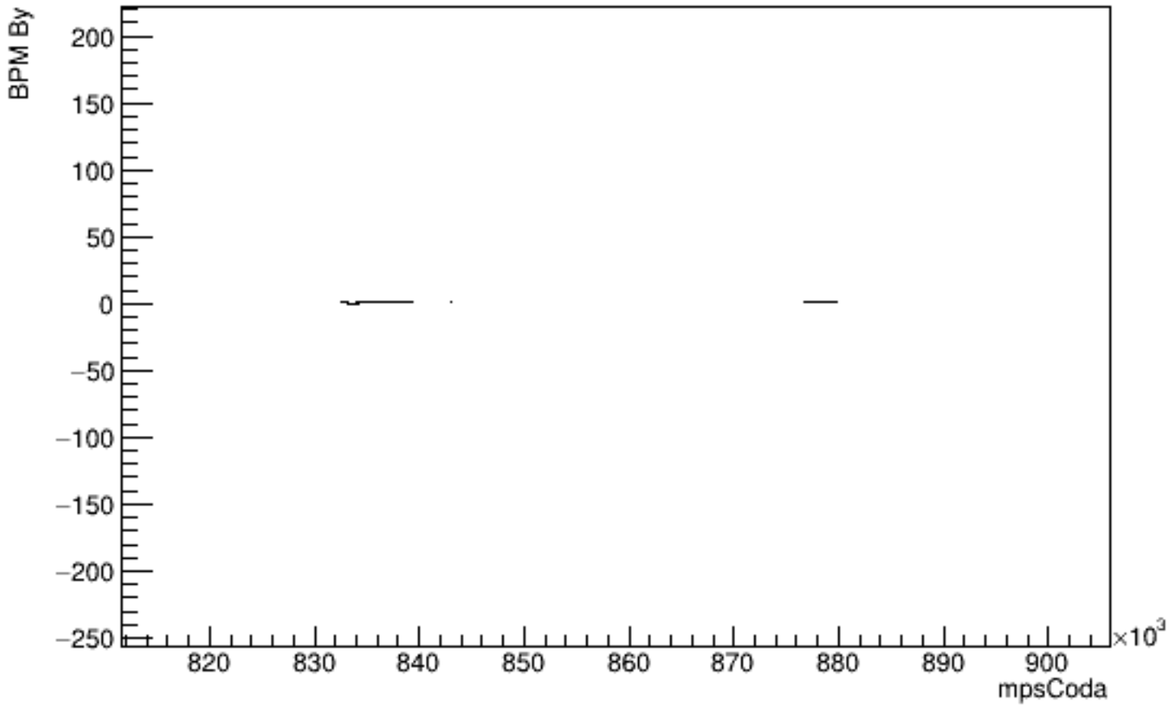

Run 5528 mpswise, beam ON, laser ON
BPM Bx
200
150
100
50
0
−50
−100
−150
−200
−250
820
830
840
850
860
870
880
890
900
×10^3
mpsCoda


Run 5528 mpswise, beam ON, laser OFF
BPM Bx
200
150
100
50
0
−50
−100
−150
−200
−250
820
830
840
850
860
870
880
890
900
×10^3
mpsCoda

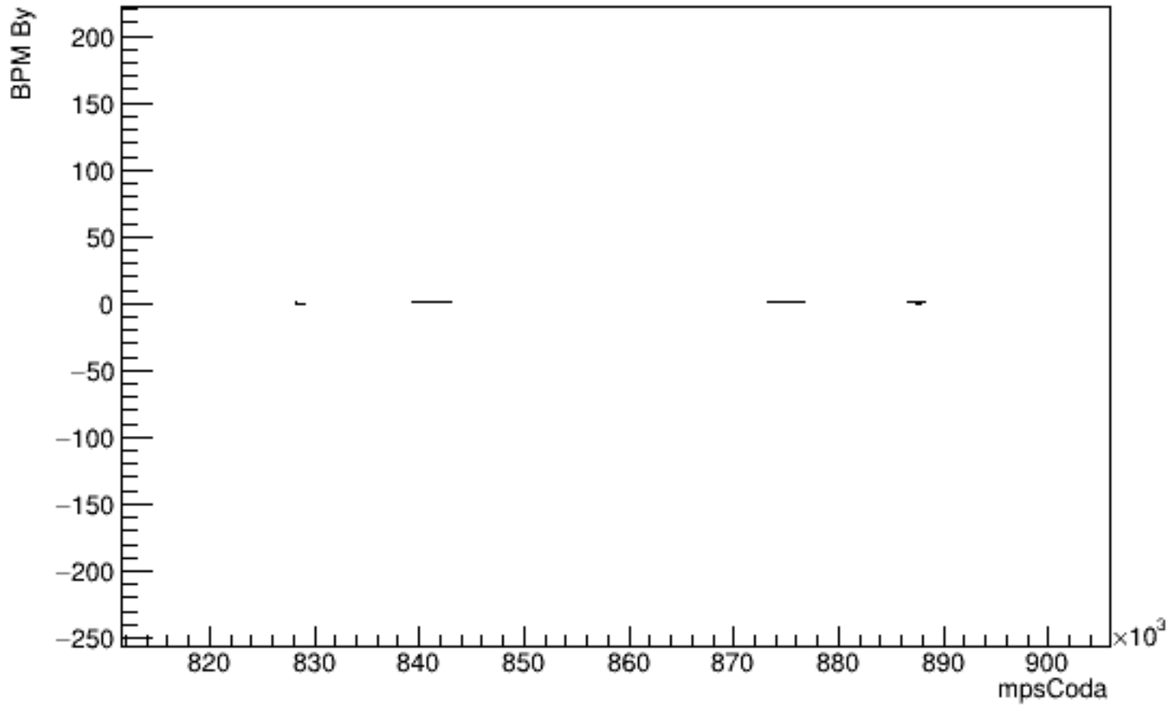

Run 5528 mpswise, beam OFF, laser ON
BPM Bx
200
150
100
50
0
−50
−100
−150
−200
−250
820
830
840
850
860
870
880
890
900
×10^3
mpsCoda


Run 5528 mpswise, beam OFF, laser OFF
BPM Bx
200
150
100
50
0
−50
−100
−150
−200
−250
820
830
840
850
860
870
880
890
900
×10^3
mpsCoda

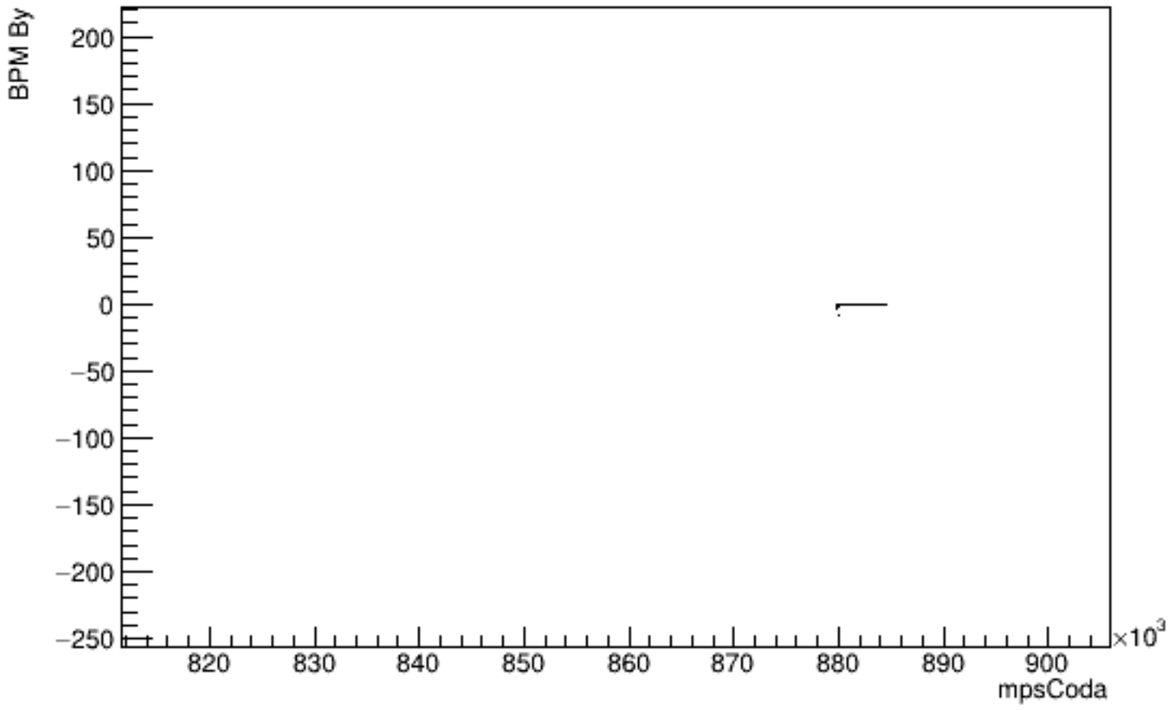
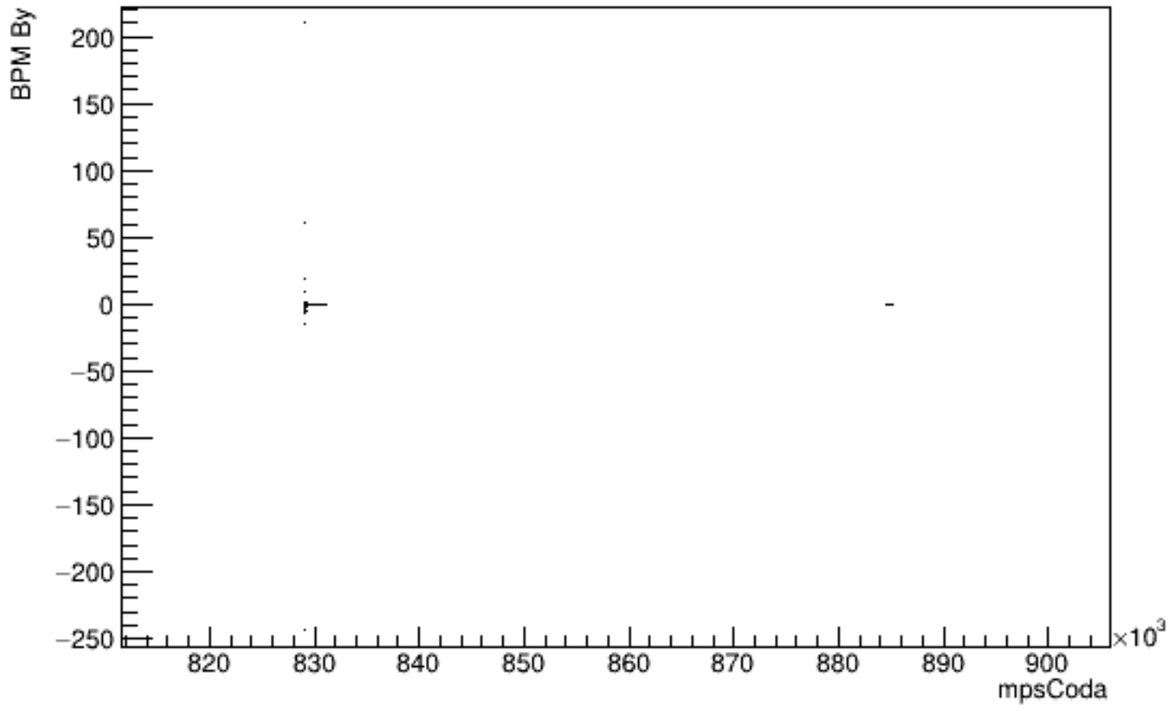
Run 5528 mpswise, beam ON, laser ON



Run 5528 mpswise, beam ON, laser OFF



Run 5528 mpswise, beam OFF, laser ON



Run 5528 mpswise, beam OFF, laser OFF