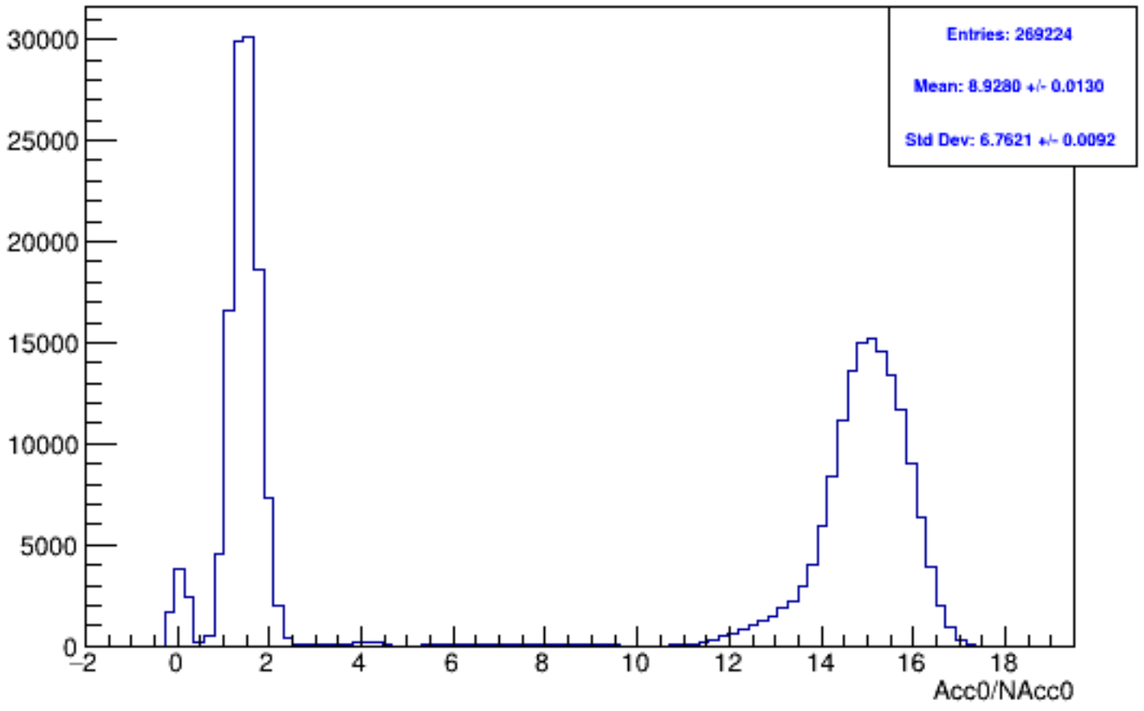
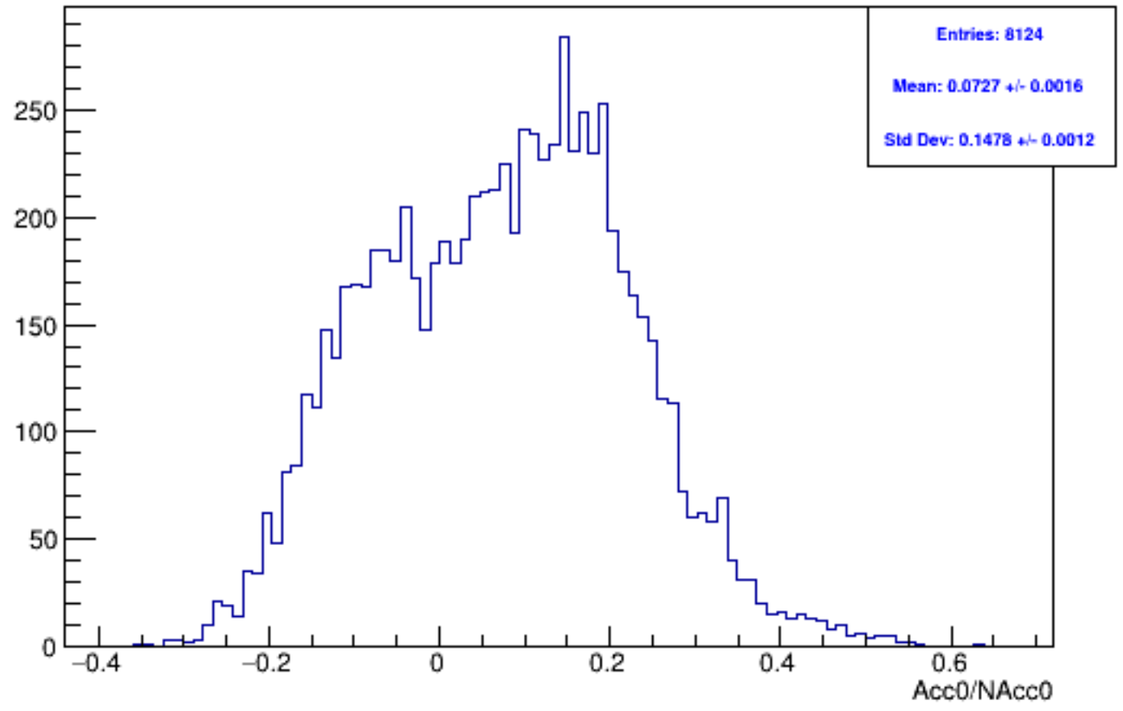
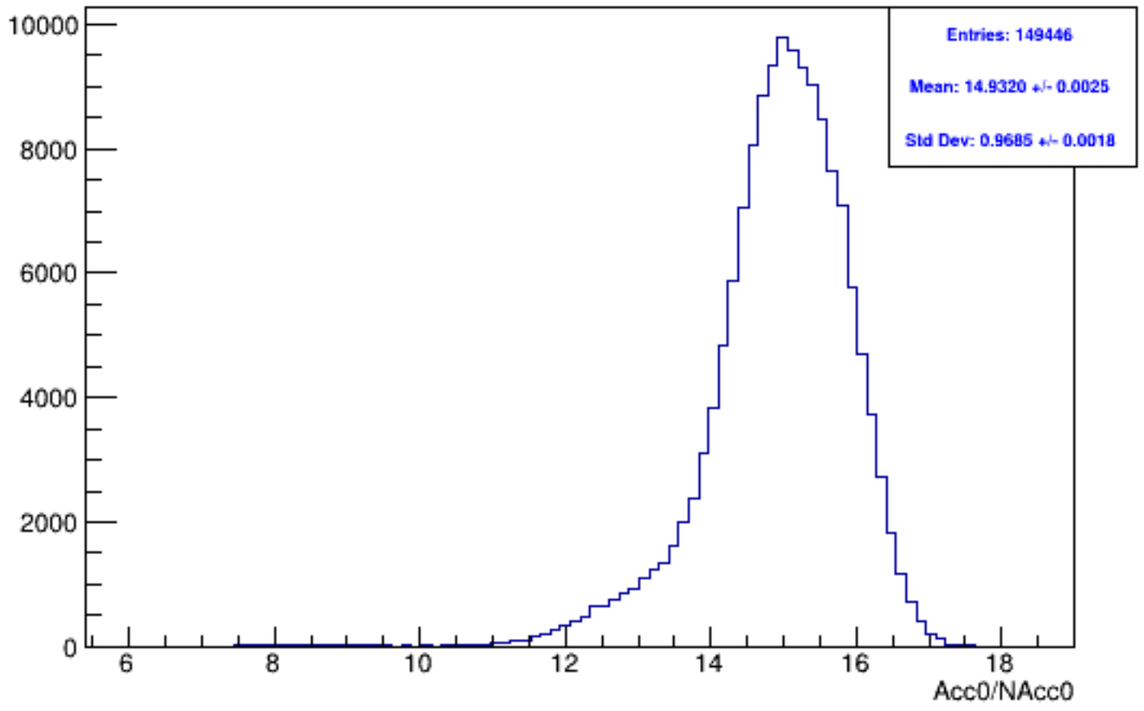
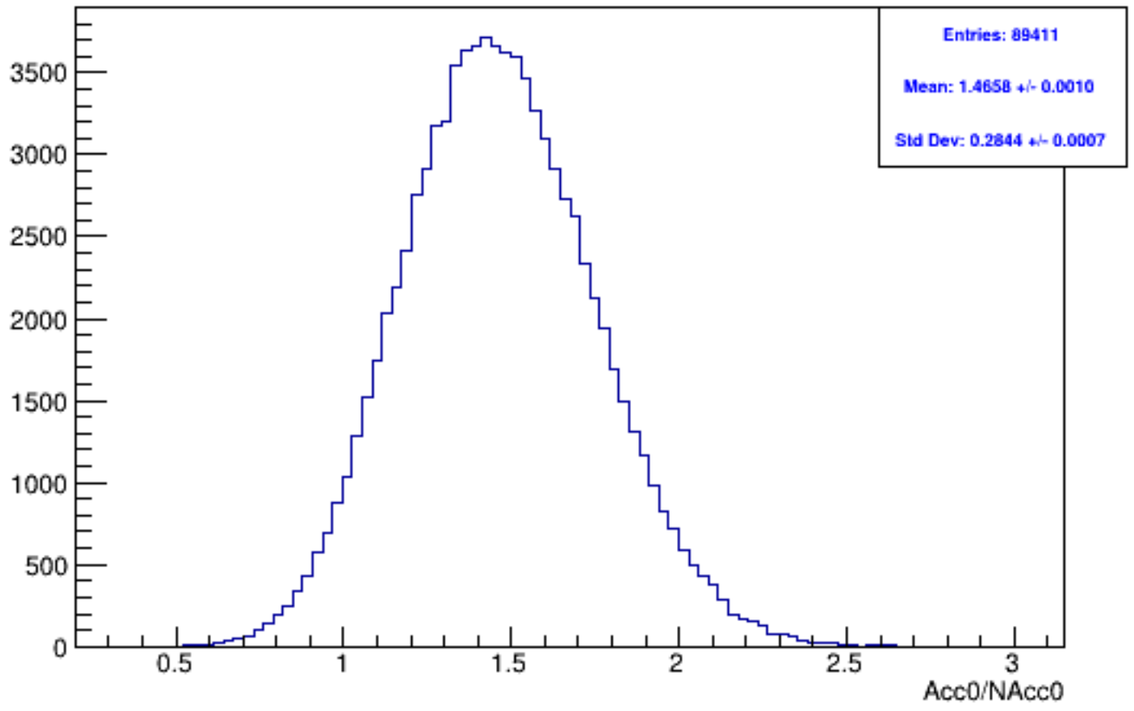
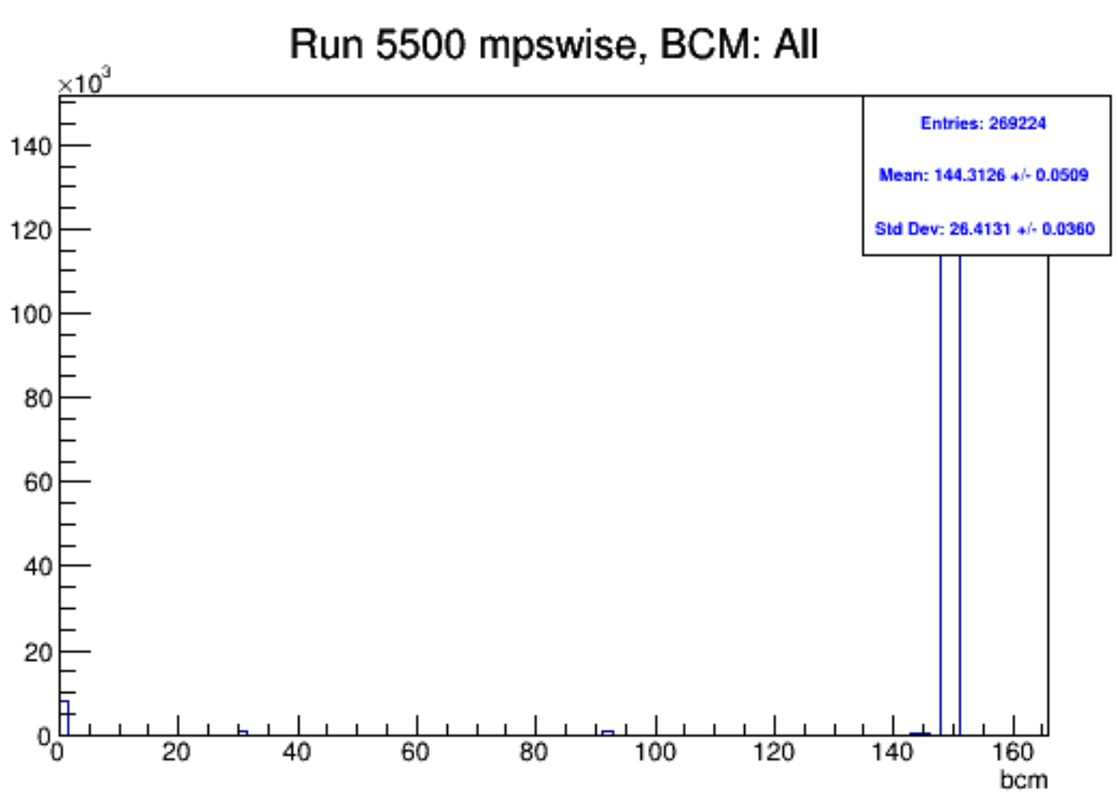
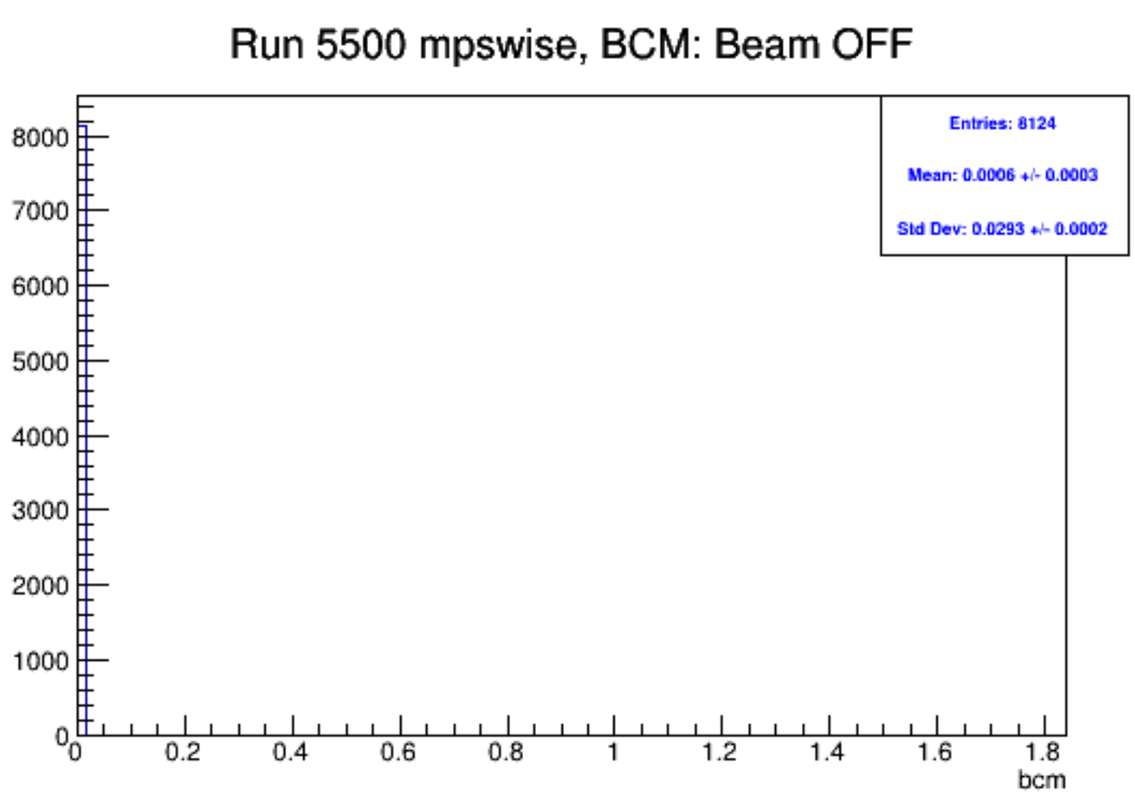

Run 5500 mpswise, acc0: All
Entries: 269224
Mean: 8.9280 +/- 0.0130
Std Dev: 6.7621 +/- 0.0092
Acc0/NAcc0

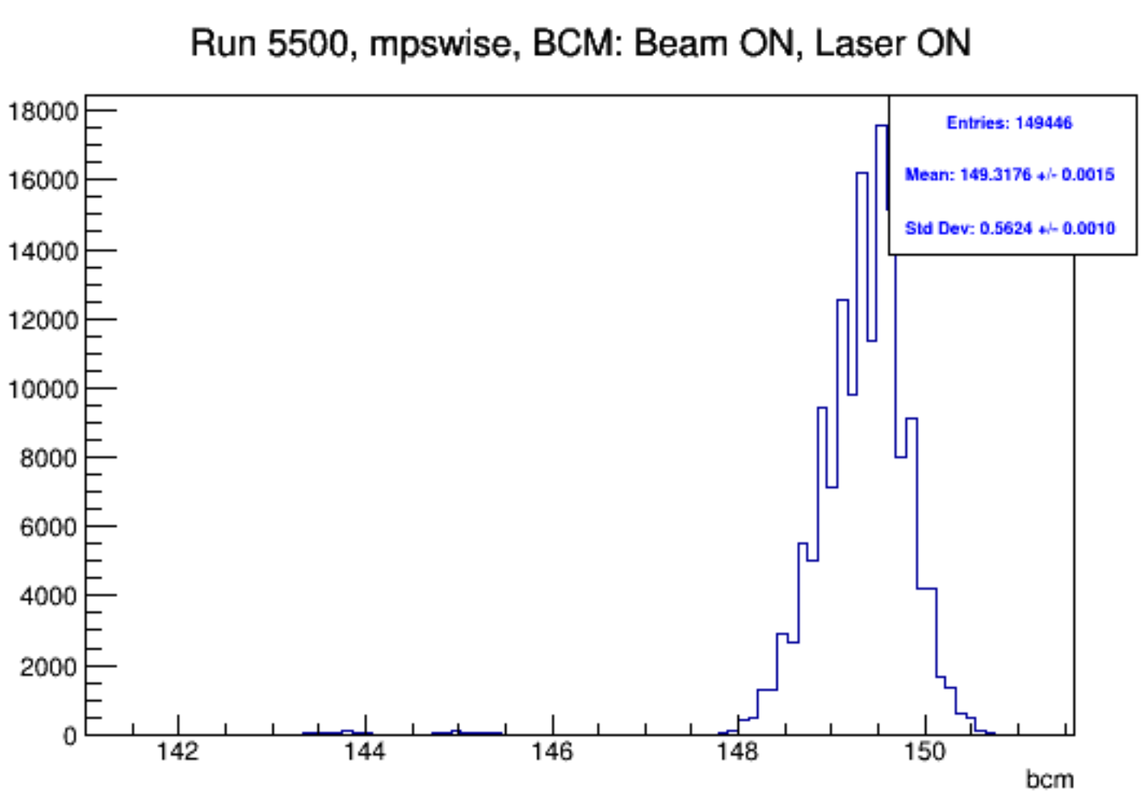

Run 5500 mpswise, acc0: Beam OFF
Entries: 8124
Mean: 0.0727 +/- 0.0016
Std Dev: 0.1478 +/- 0.0012
Acc0/NAcc0

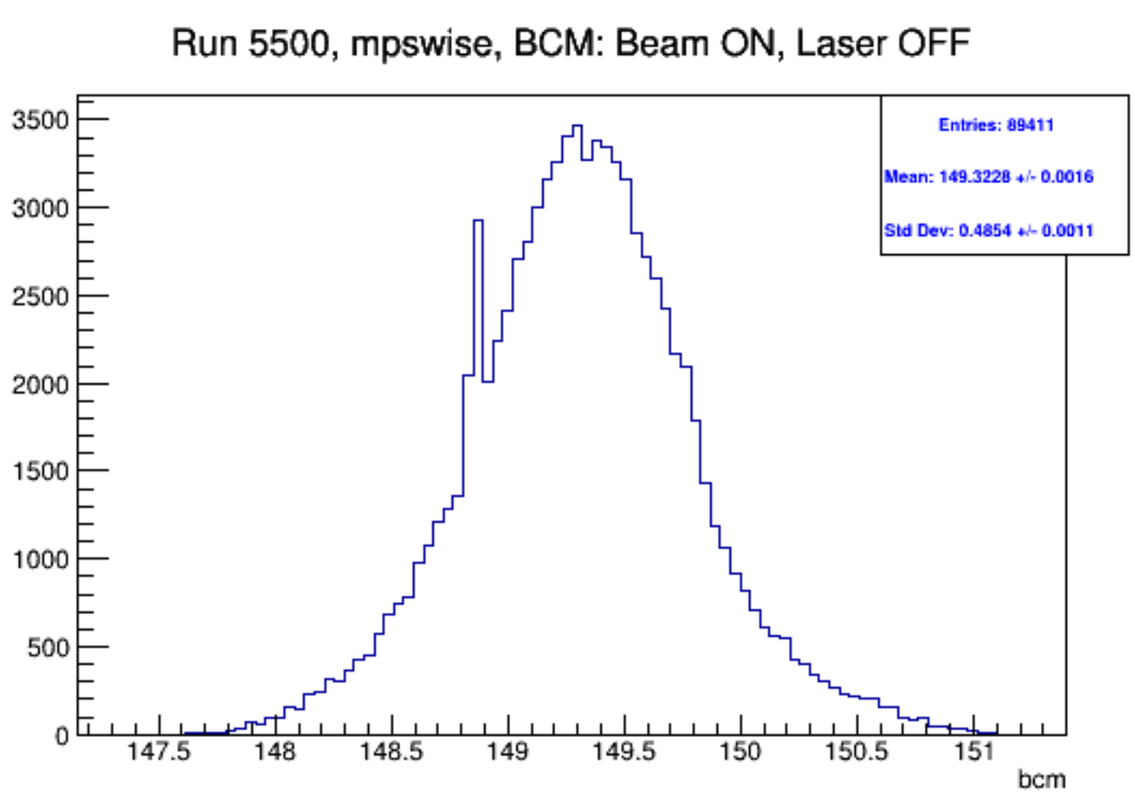

Run 5500, mpswise, acc0: Beam ON, Laser ON
Entries: 149446
Mean: 14.9320 +/- 0.0025
Std Dev: 0.9685 +/- 0.0018
Acc0/NAcc0

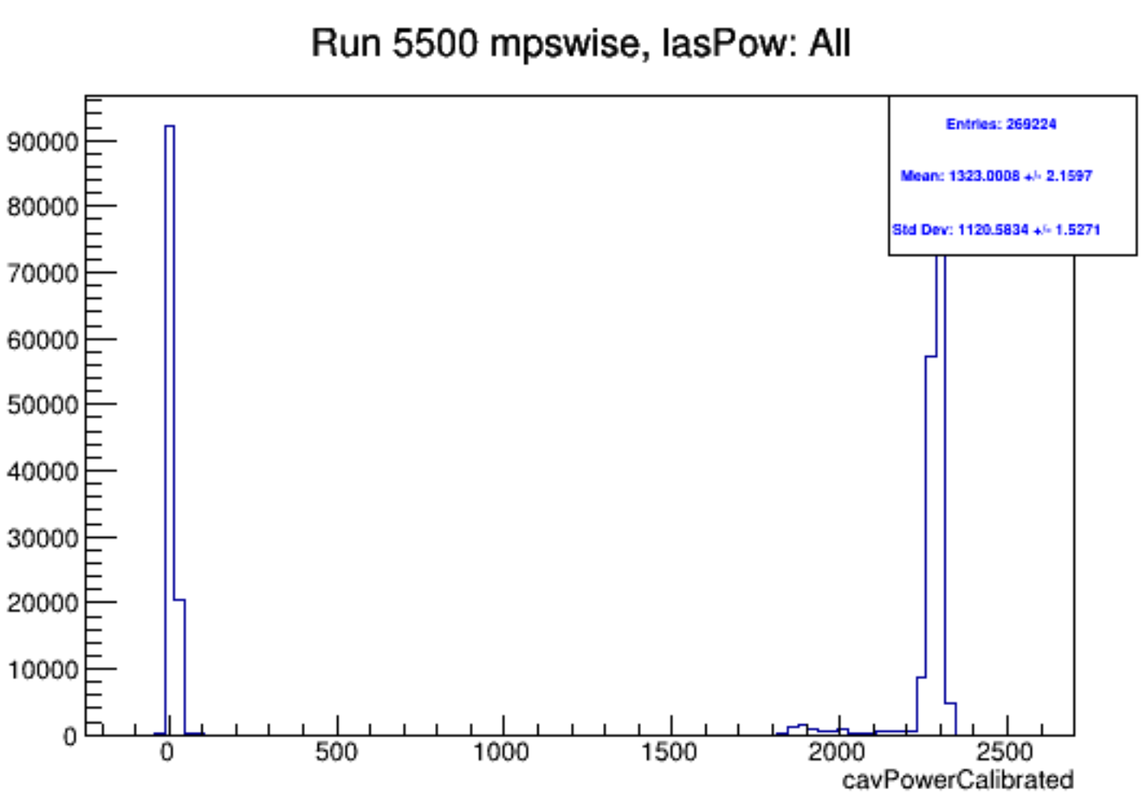

Run 5500, mpswise, acc0: Beam ON, Laser OFF
Entries: 89411
Mean: 1.4658 +/- 0.0010
Std Dev: 0.2844 +/- 0.0007
Acc0/NAcc0

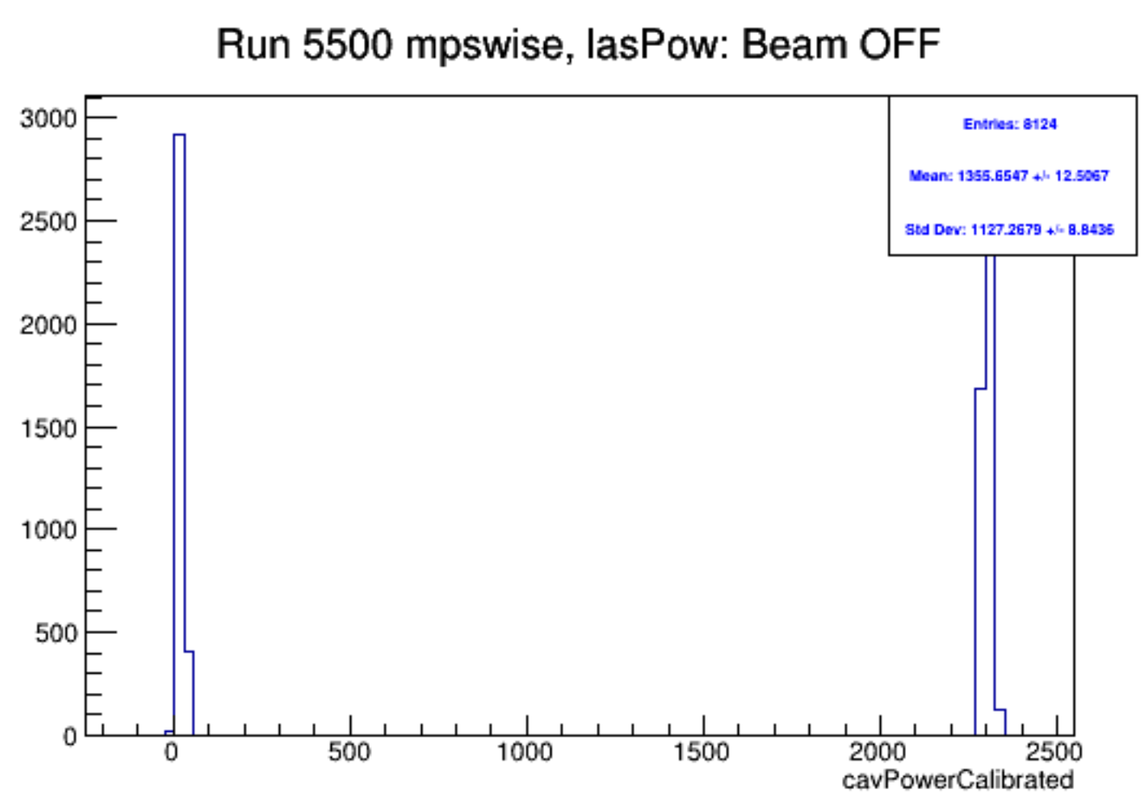

Run 5500 mpswise, BCM: All
×10^3
Entries: 269224
Mean: 144.3126 +/- 0.0509
Std Dev: 26.4131 +/- 0.0360
bcm

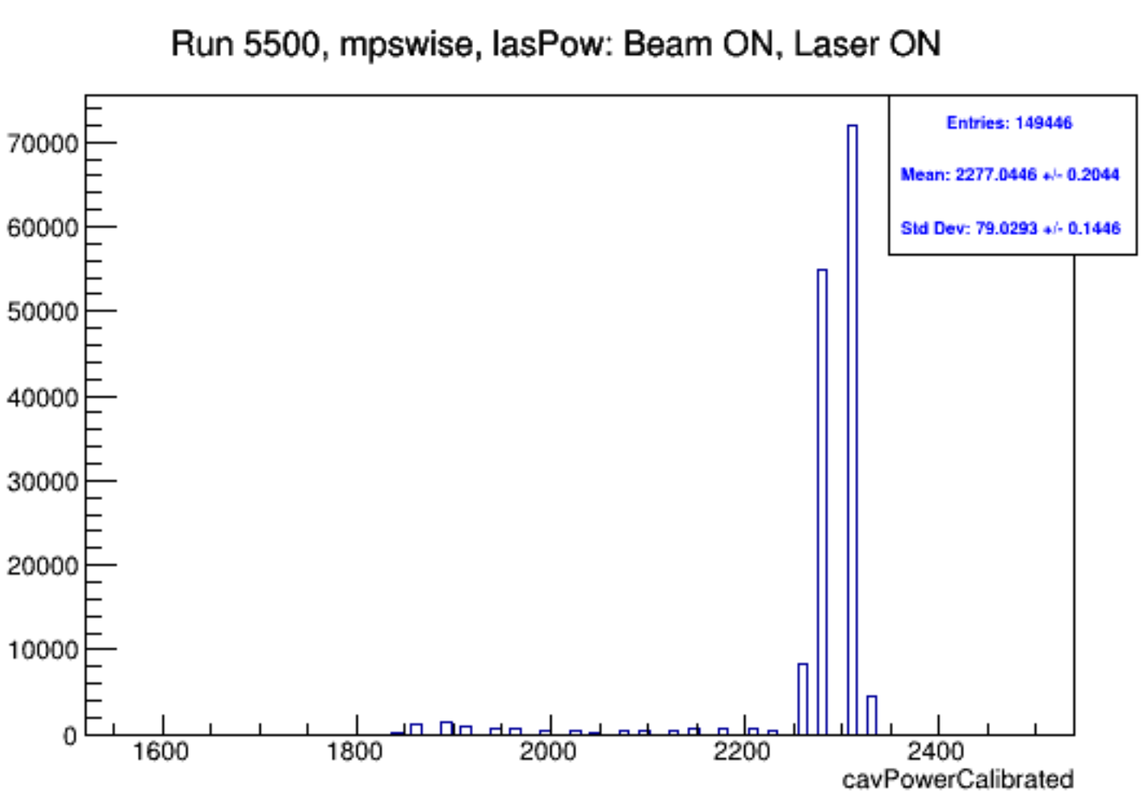

Run 5500 mpswise, BCM: Beam OFF
Entries: 8124
Mean: 0.0006 +/- 0.0003
Std Dev: 0.0293 +/- 0.0002
bcm

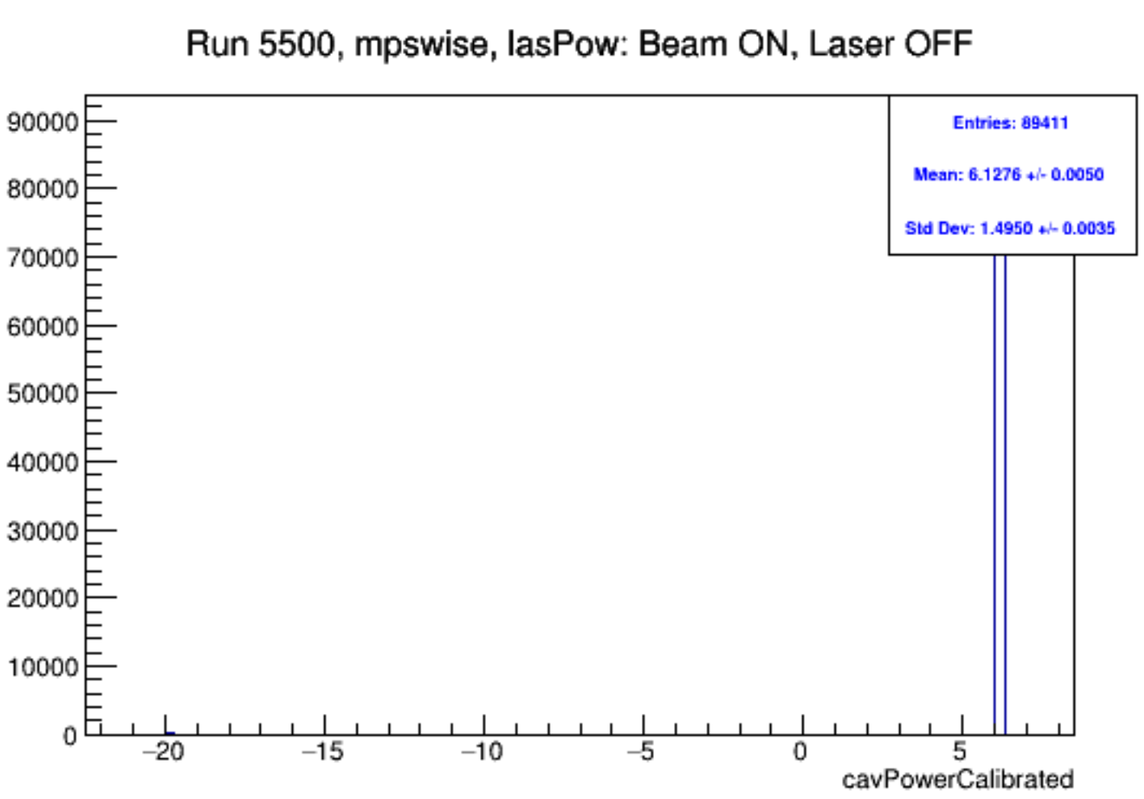

Run 5500, mpswise, BCM: Beam ON, Laser ON
Entries: 149446
Mean: 149.3176 +/- 0.0015
Std Dev: 0.5624 +/- 0.0010
bcm

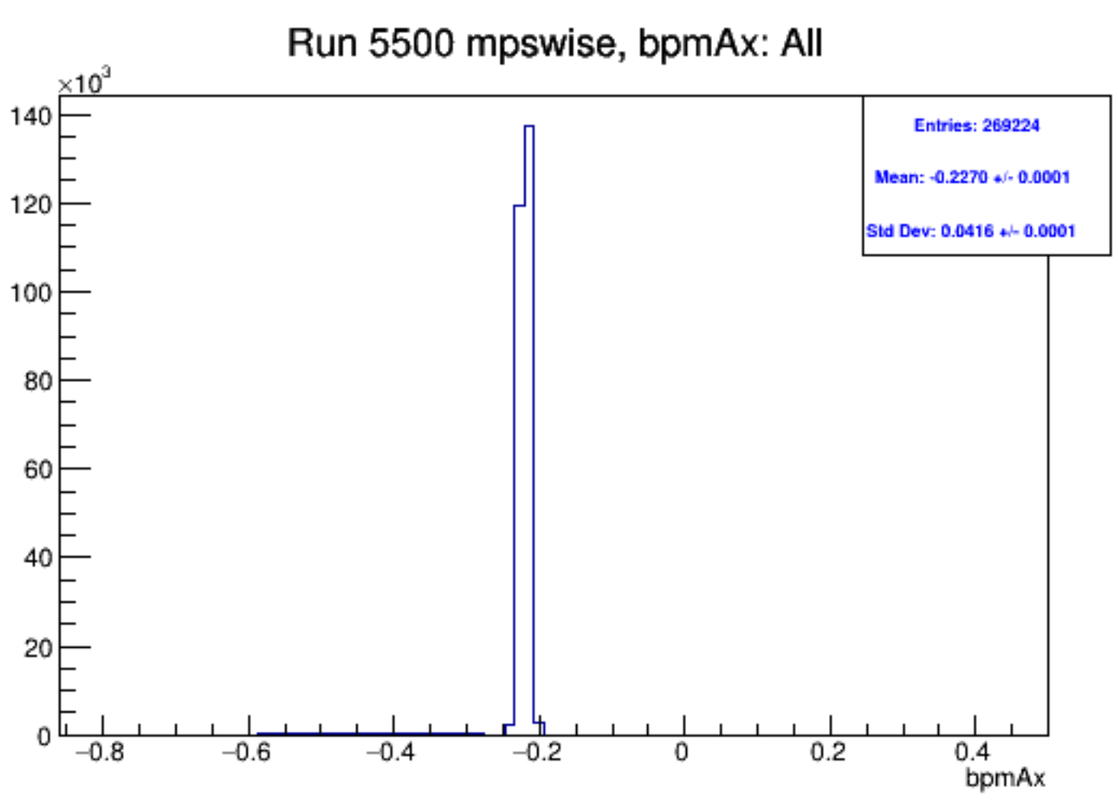

Run 5500, mpswise, BCM: Beam ON, Laser OFF
Entries: 89411
Mean: 149.3228 +/- 0.0016
Std Dev: 0.4854 +/- 0.0011
bcm

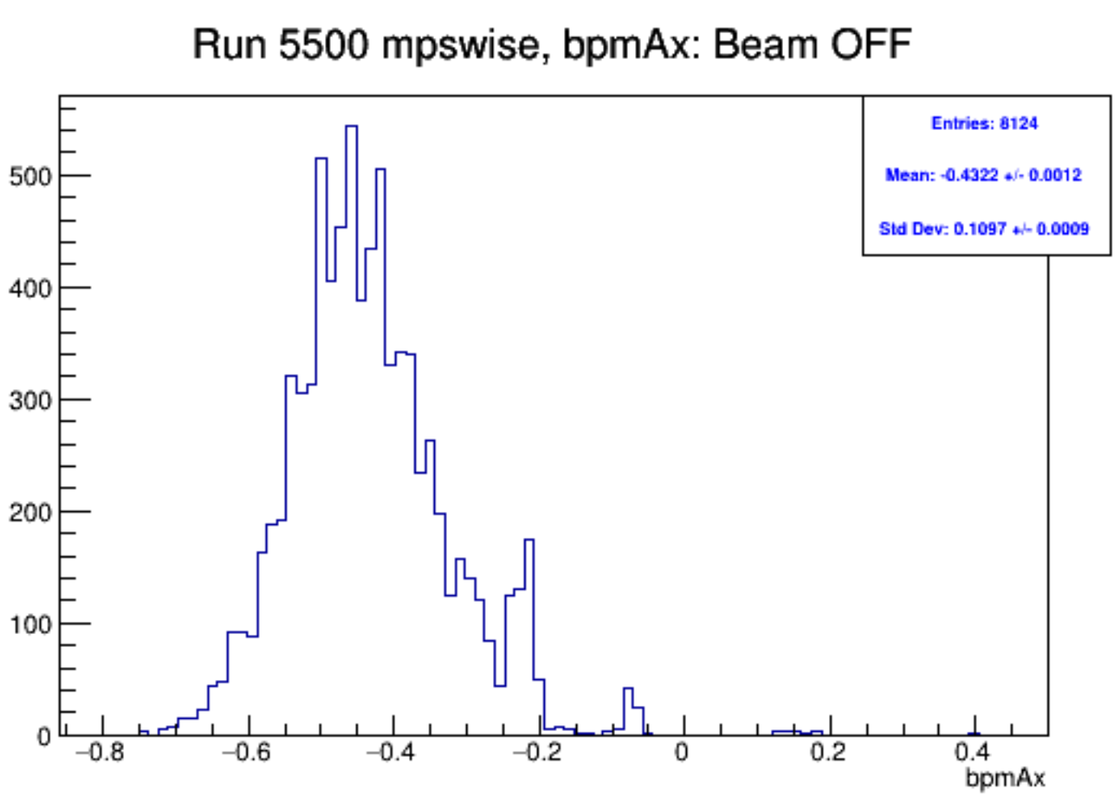

Run 5500 mpswise, lasPow: All
Entries: 269224
Mean: 1323.0008 +/- 2.1597
Std Dev: 1120.5834 +/- 1.5271
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
2500
cavPowerCalibrated

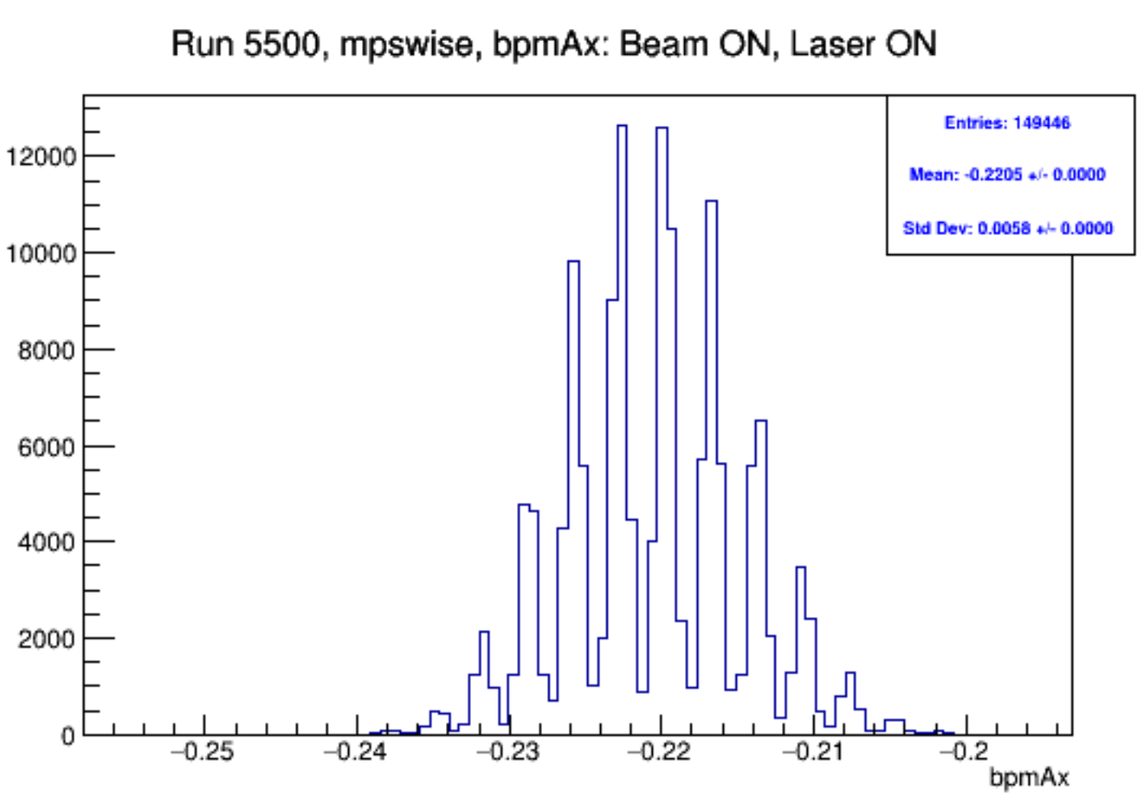

Run 5500 mpswise, lasPow: Beam OFF
Entries: 8124
Mean: 1355.6547 +/- 12.5067
Std Dev: 1127.2679 +/- 8.8436
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
cavPowerCalibrated

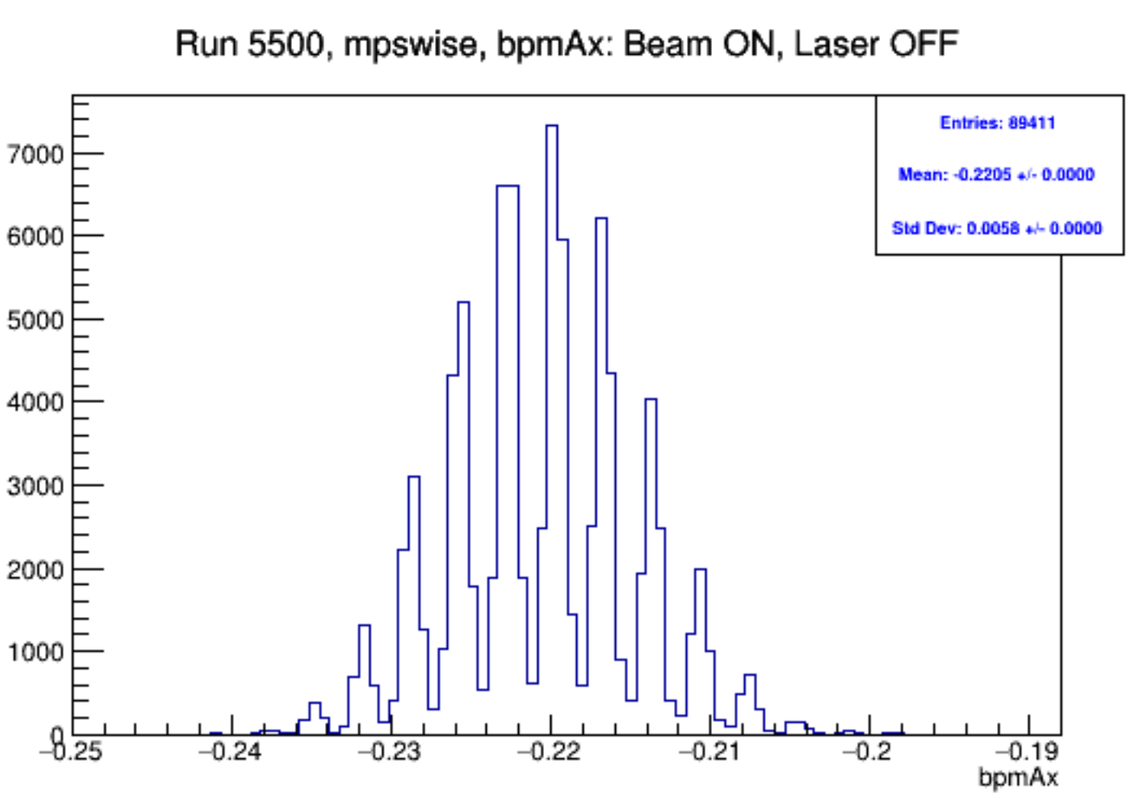

Run 5500, mpswise, lasPow: Beam ON, Laser ON
Entries: 149446
Mean: 2277.0446 +/- 0.2044
Std Dev: 79.0293 +/- 0.1446
70000
60000
50000
40000
30000
20000
10000
0
1600
1800
2000
2200
2400
cavPowerCalibrated

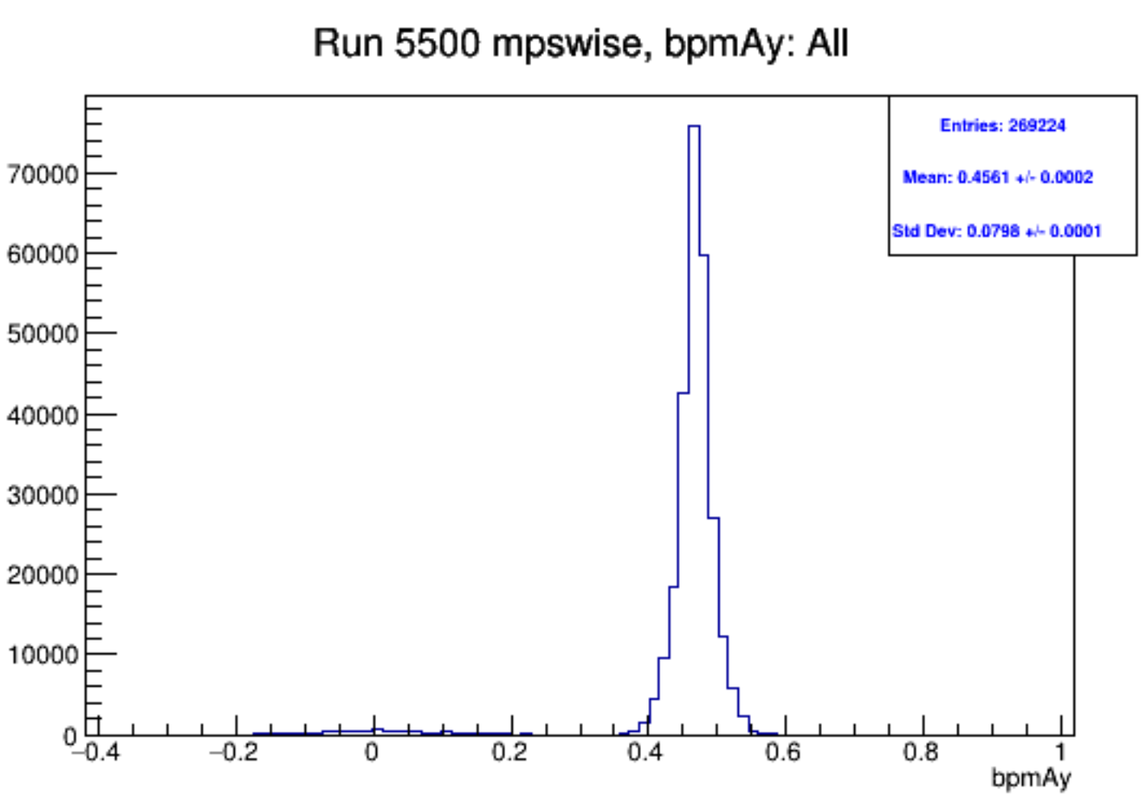

Run 5500, mpswise, lasPow: Beam ON, Laser OFF
Entries: 89411
Mean: 6.1276 +/- 0.0050
Std Dev: 1.4950 +/- 0.0035
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
−20
−15
−10
−5
0
5
cavPowerCalibrated

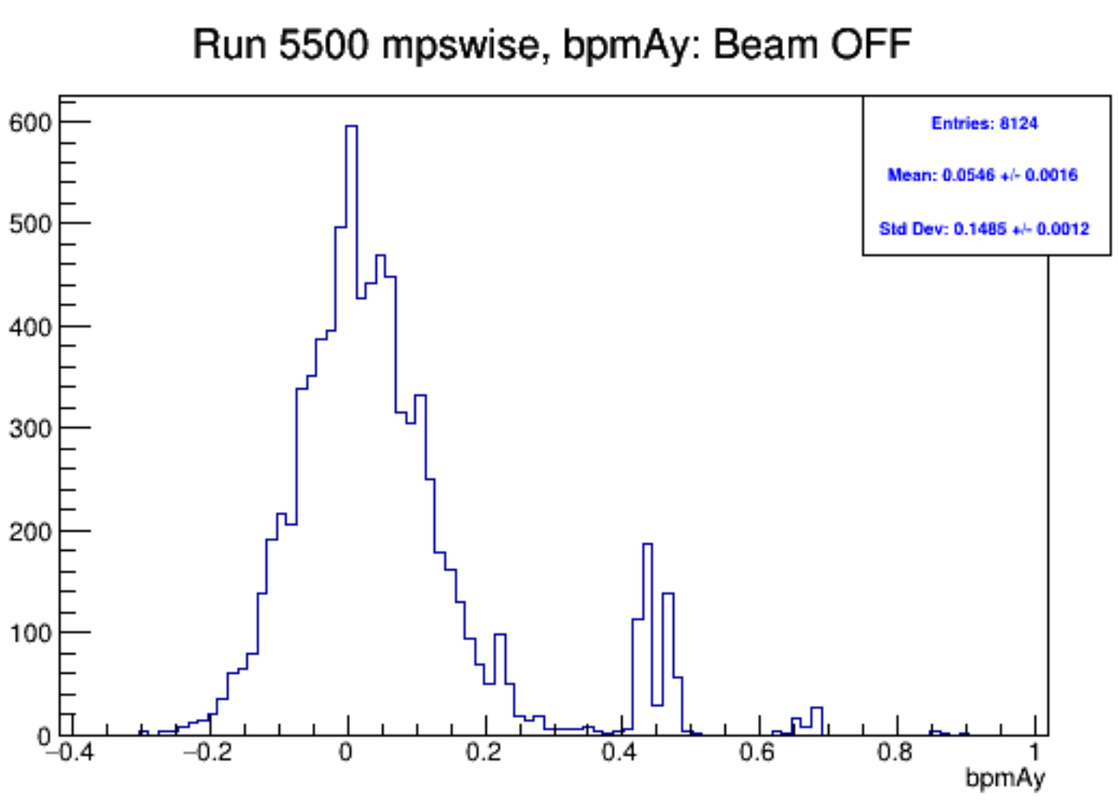

Run 5500 mpswise, bpmAx: All
×10^3
Entries: 269224
Mean: -0.2270 +/- 0.0001
Std Dev: 0.0416 +/- 0.0001
bpmAx

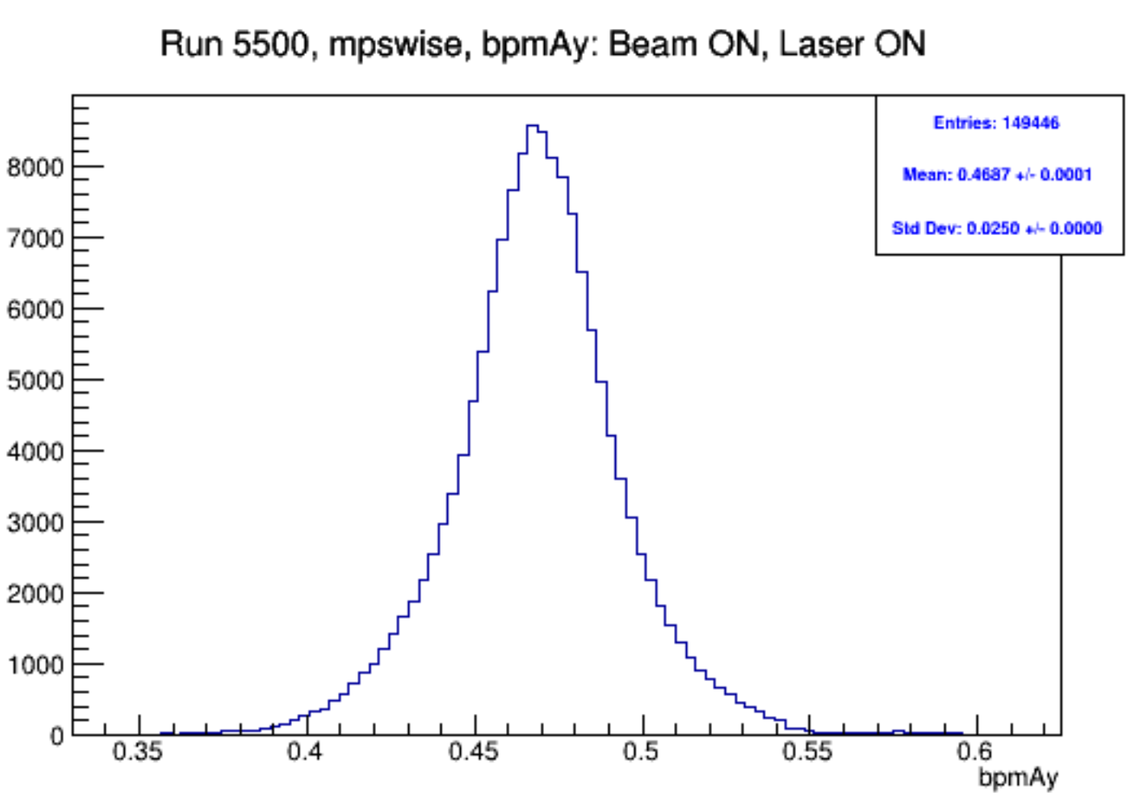

Run 5500 mpswise, bpmAx: Beam OFF
Entries: 8124
Mean: -0.4322 +/- 0.0012
Std Dev: 0.1097 +/- 0.0009
bpmAx

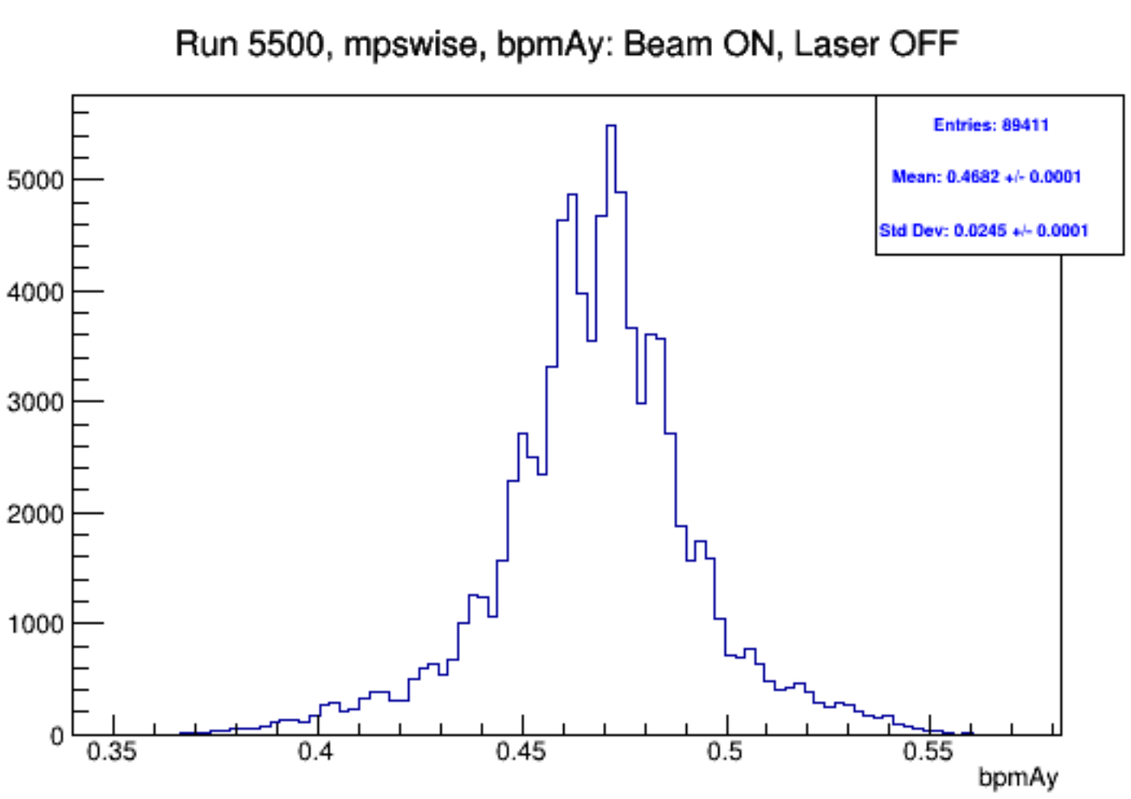

Run 5500, mpswise, bpmAx: Beam ON, Laser ON
Entries: 149446
Mean: -0.2205 +/- 0.0000
Std Dev: 0.0058 +/- 0.0000
bpmAx

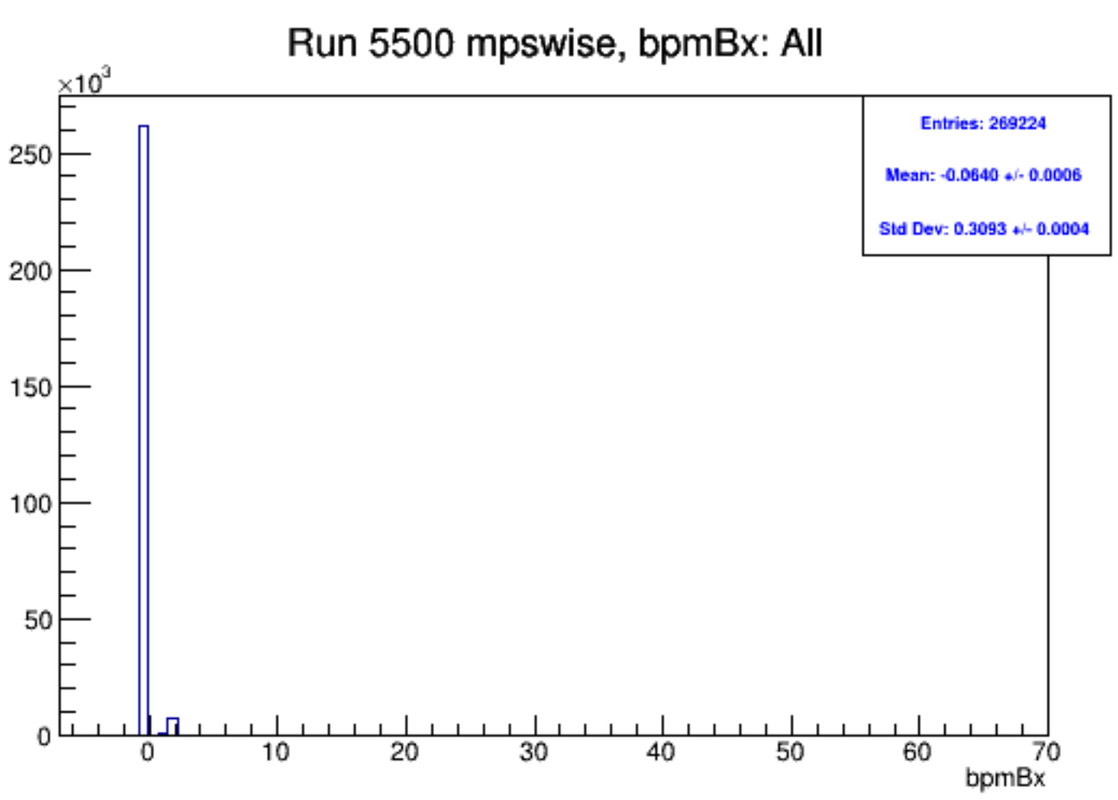

Run 5500, mpswise, bpmAx: Beam ON, Laser OFF
Entries: 89411
Mean: -0.2205 +/- 0.0000
Std Dev: 0.0058 +/- 0.0000
bpmAx

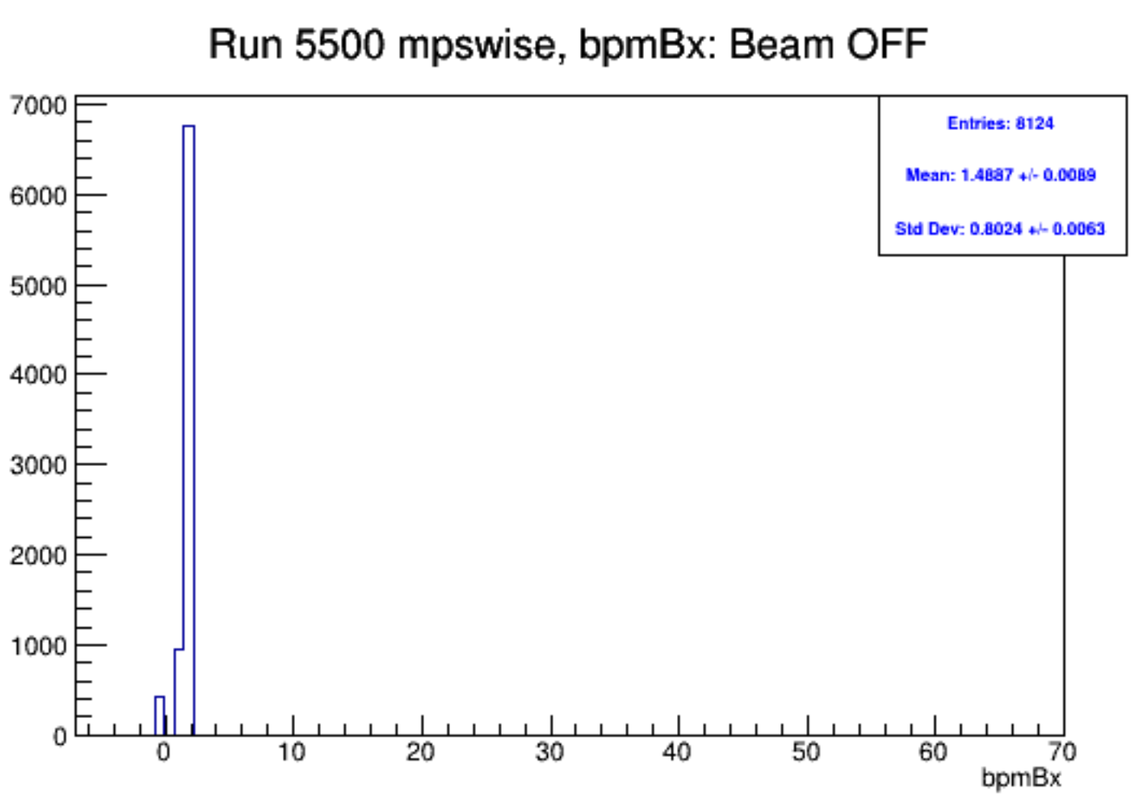

Run 5500 mpswise, bpmAy: All
Entries: 269224
Mean: 0.4561 +/- 0.0002
Std Dev: 0.0798 +/- 0.0001
70000
60000
50000
40000
30000
20000
10000
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
bpmAy

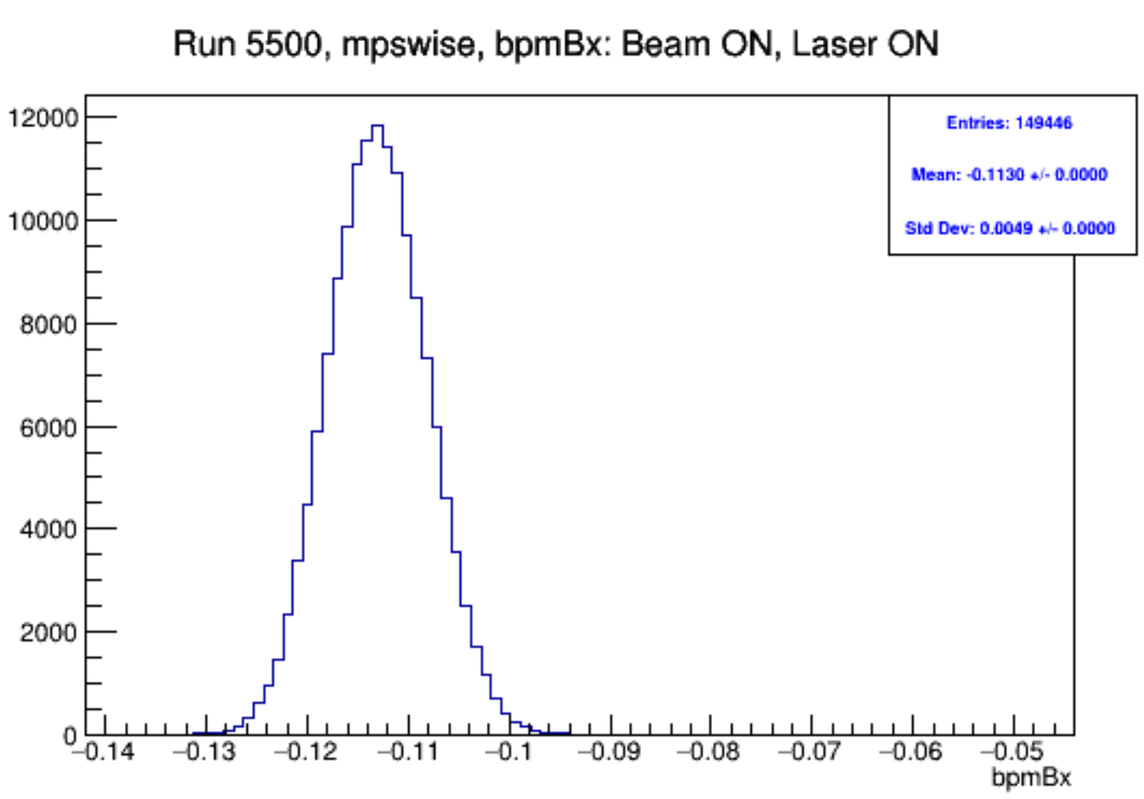

Run 5500 mpswise, bpmAy: Beam OFF
Entries: 8124
Mean: 0.0546 +/- 0.0016
Std Dev: 0.1485 +/- 0.0012
600
500
400
300
200
100
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
bpmAy

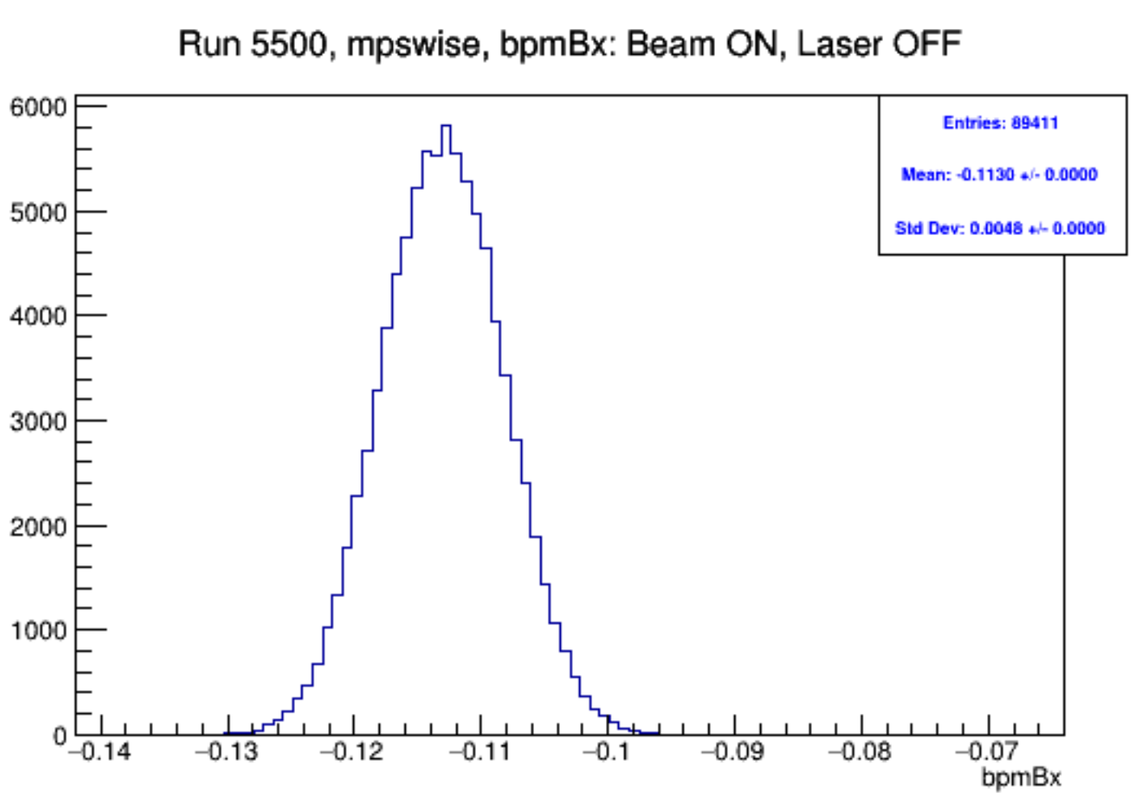

Run 5500, mpswise, bpmAy: Beam ON, Laser ON
Entries: 149446
Mean: 0.4687 +/- 0.0001
Std Dev: 0.0250 +/- 0.0000
8000
7000
6000
5000
4000
3000
2000
1000
0
0.35
0.4
0.45
0.5
0.55
0.6
bpmAy

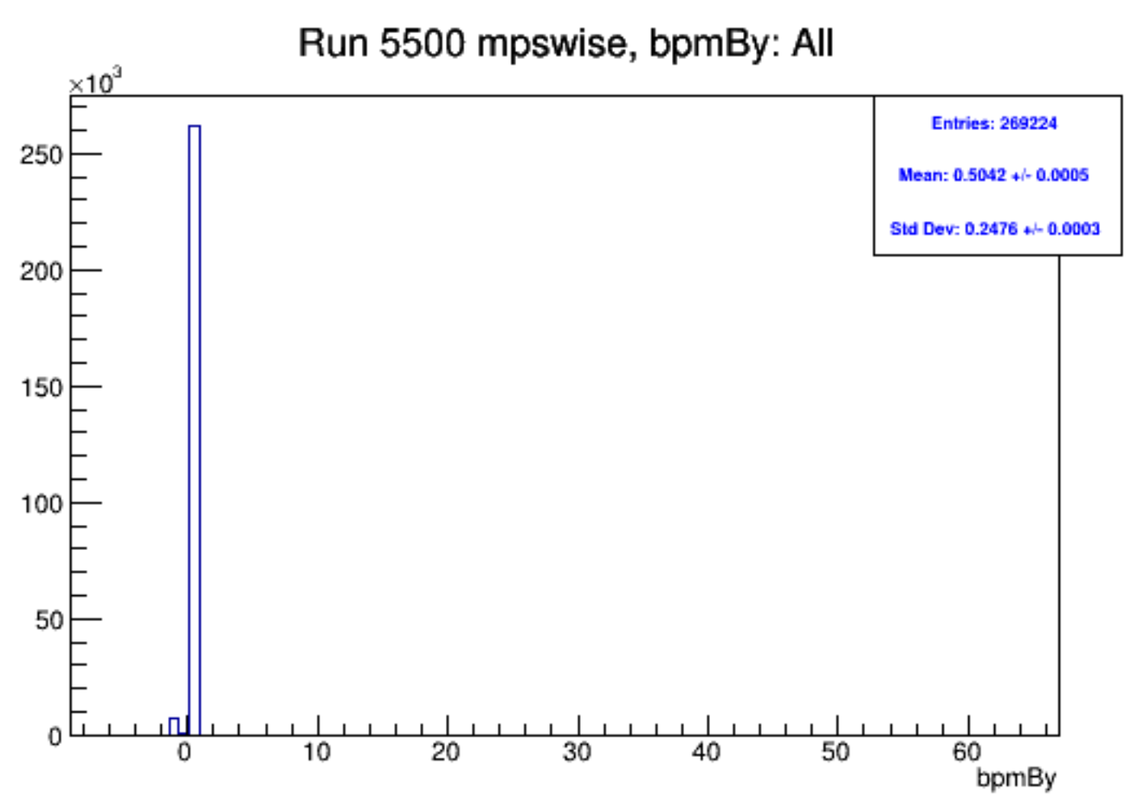

Run 5500, mpswise, bpmAy: Beam ON, Laser OFF
Entries: 89411
Mean: 0.4682 +/- 0.0001
Std Dev: 0.0245 +/- 0.0001
5000
4000
3000
2000
1000
0
0.35
0.4
0.45
0.5
0.55
bpmAy

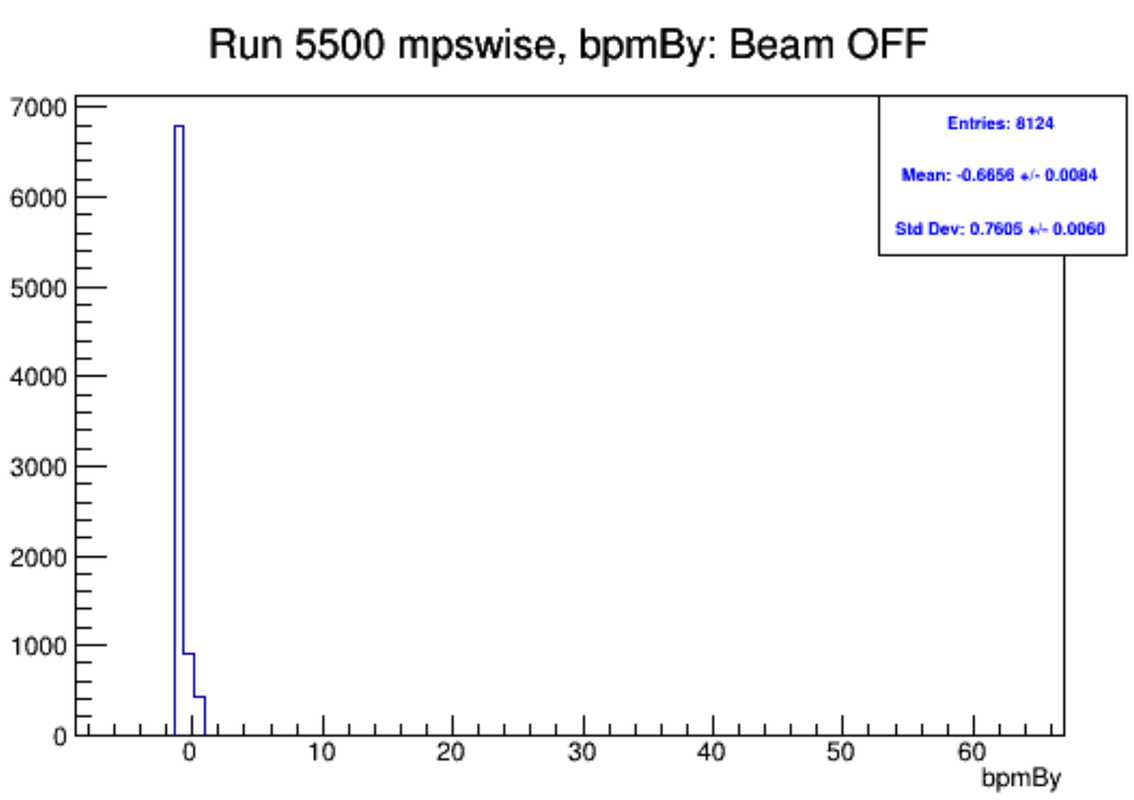

Run 5500 mpswise, bpmBx: All
×10^3
Entries: 269224
Mean: -0.0640 +/- 0.0006
Std Dev: 0.3093 +/- 0.0004
250
200
150
100
50
0
0
10
20
30
40
50
60
70
bpmBx

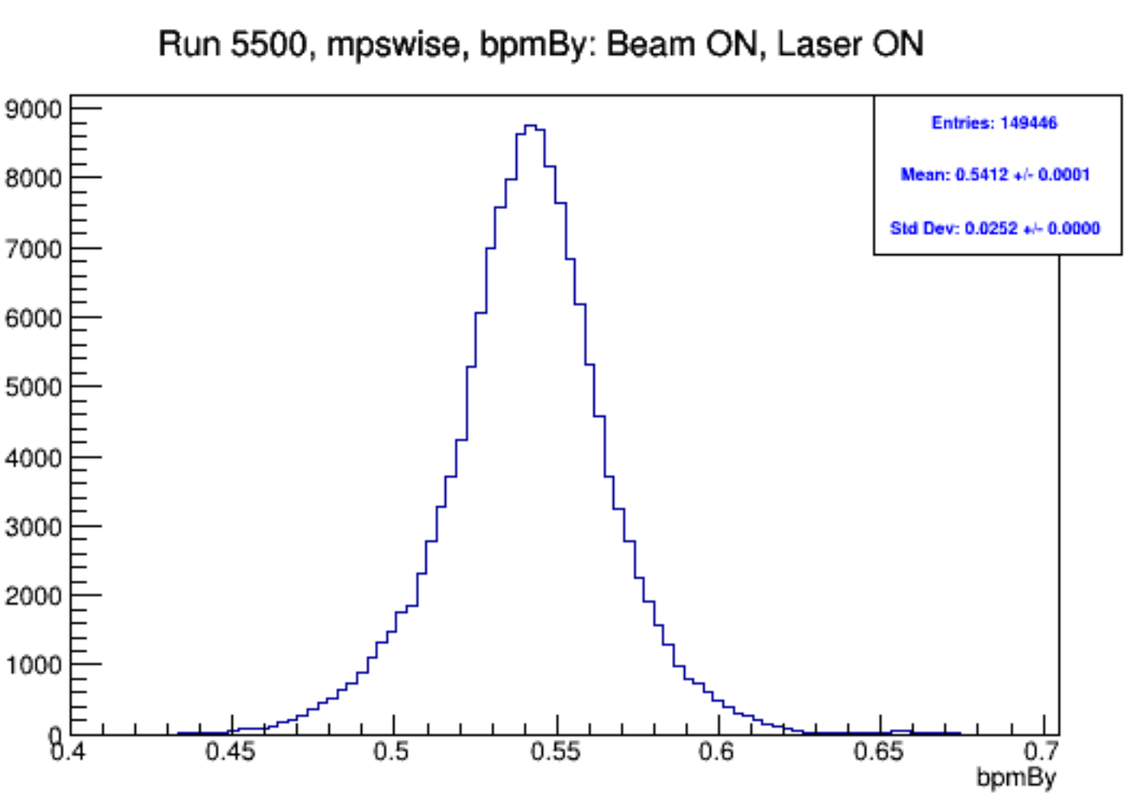

Run 5500 mpswise, bpmBx: Beam OFF
Entries: 8124
Mean: 1.4887 +/- 0.0089
Std Dev: 0.8024 +/- 0.0063
7000
6000
5000
4000
3000
2000
1000
0
0
10
20
30
40
50
60
70
bpmBx

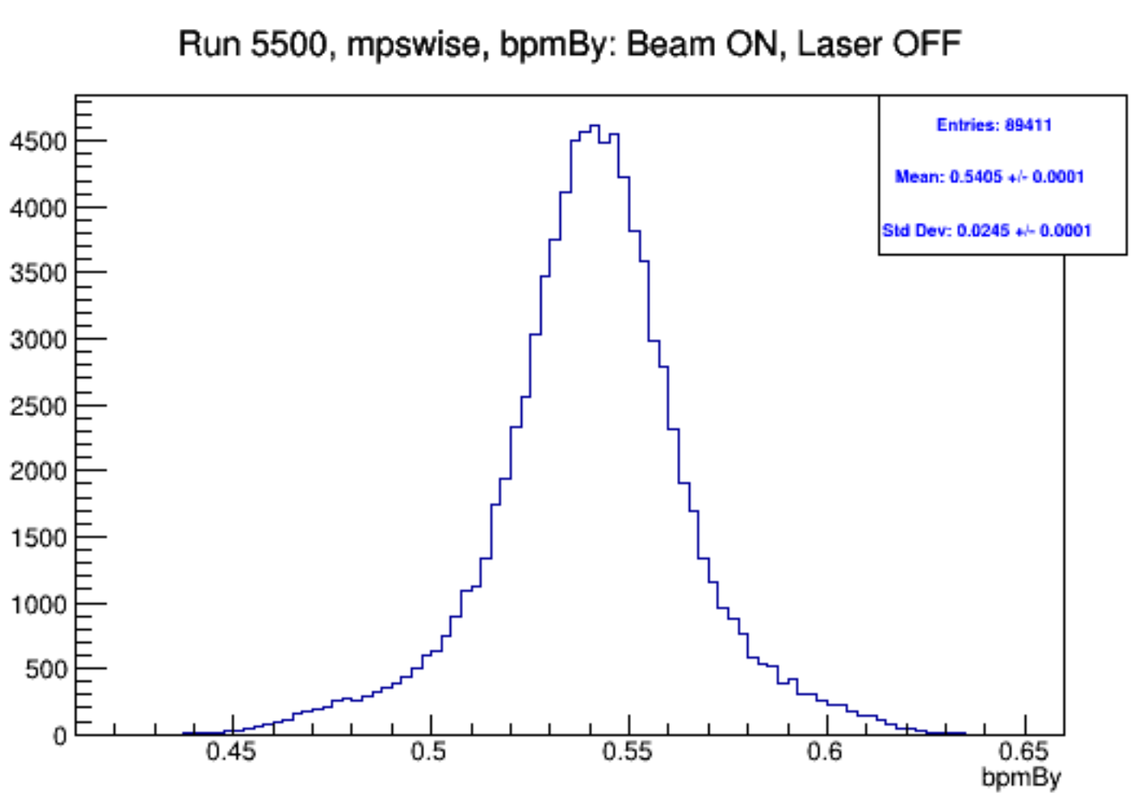

Run 5500, mpswise, bpmBx: Beam ON, Laser ON
Entries: 149446
Mean: -0.1130 +/- 0.0000
Std Dev: 0.0049 +/- 0.0000
12000
10000
8000
6000
4000
2000
0
−0.14
−0.13
−0.12
−0.11
−0.1
−0.09
−0.08
−0.07
−0.06
−0.05
bpmBx


Run 5500, mpswise, bpmBx: Beam ON, Laser OFF
Entries: 89411
Mean: -0.1130 +/- 0.0000
Std Dev: 0.0048 +/- 0.0000
6000
5000
4000
3000
2000
1000
0
−0.14
−0.13
−0.12
−0.11
−0.1
−0.09
−0.08
−0.07
bpmBx

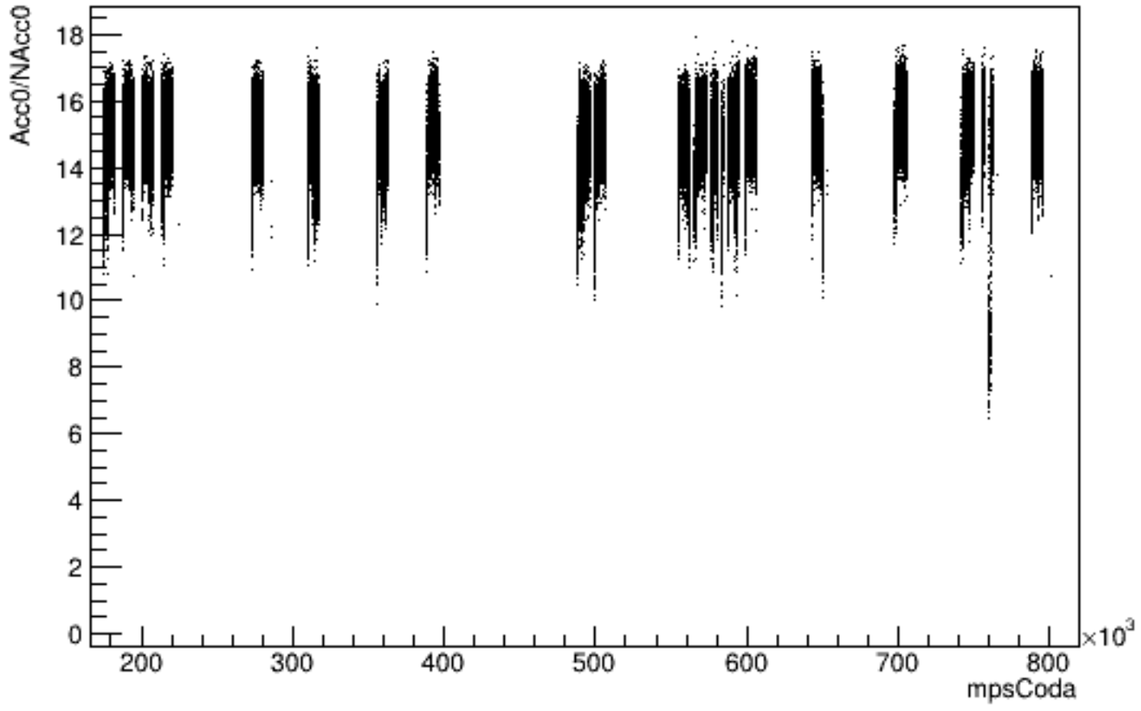

Run 5500 mpswise, bpmBy: All
×10^3
Entries: 269224
Mean: 0.5042 +/- 0.0005
Std Dev: 0.2476 +/- 0.0003
250
200
150
100
50
0
0
10
20
30
40
50
60
bpmBy


Run 5500 mpswise, bpmBy: Beam OFF
Entries: 8124
Mean: -0.6656 +/- 0.0084
Std Dev: 0.7605 +/- 0.0060
7000
6000
5000
4000
3000
2000
1000
0
0
10
20
30
40
50
60
bpmBy

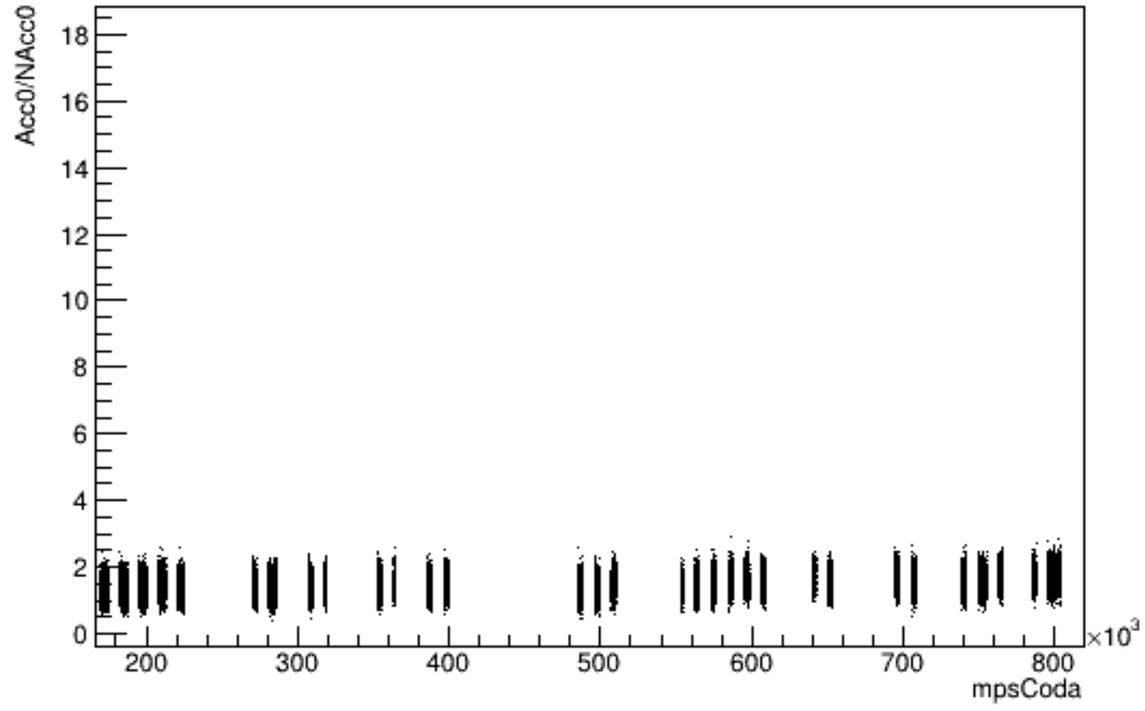

Run 5500, mpswise, bpmBy: Beam ON, Laser ON
Entries: 149446
Mean: 0.5412 +/- 0.0001
Std Dev: 0.0252 +/- 0.0000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0.4
0.45
0.5
0.55
0.6
0.65
0.7
bpmBy


Run 5500, mpswise, bpmBy: Beam ON, Laser OFF
Entries: 89411
Mean: 0.5405 +/- 0.0001
Std Dev: 0.0245 +/- 0.0001
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0.45
0.5
0.55
0.6
0.65
bpmBy

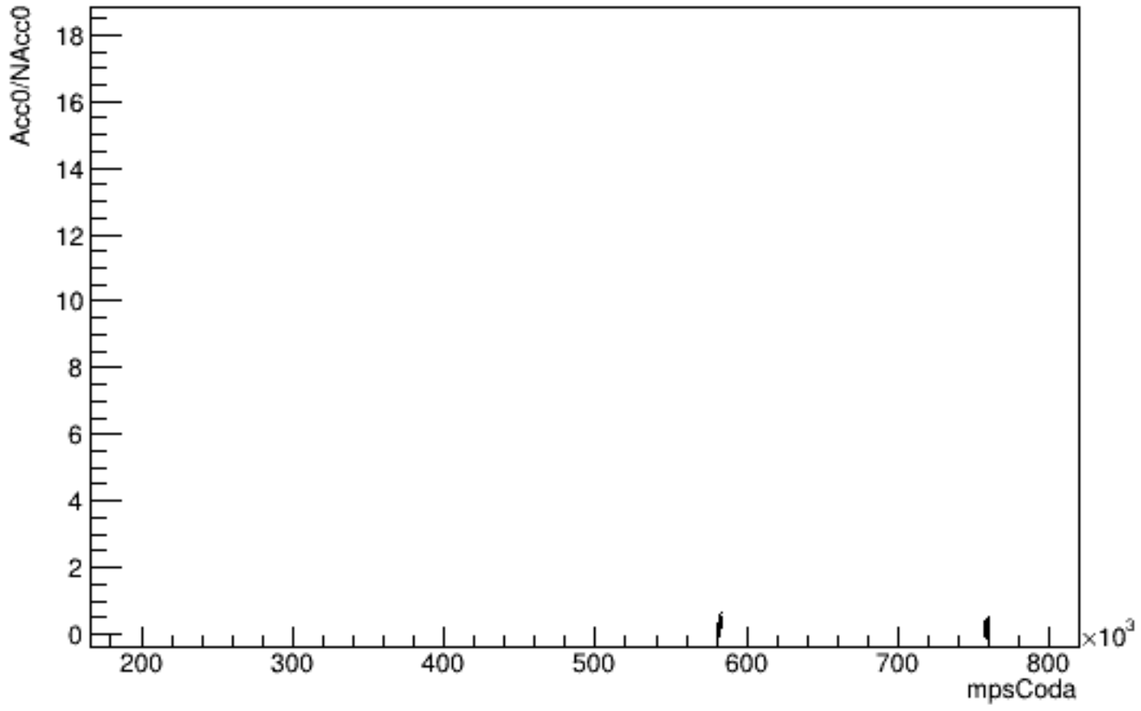
Run 5500 mpswise, beam ON, laser ON



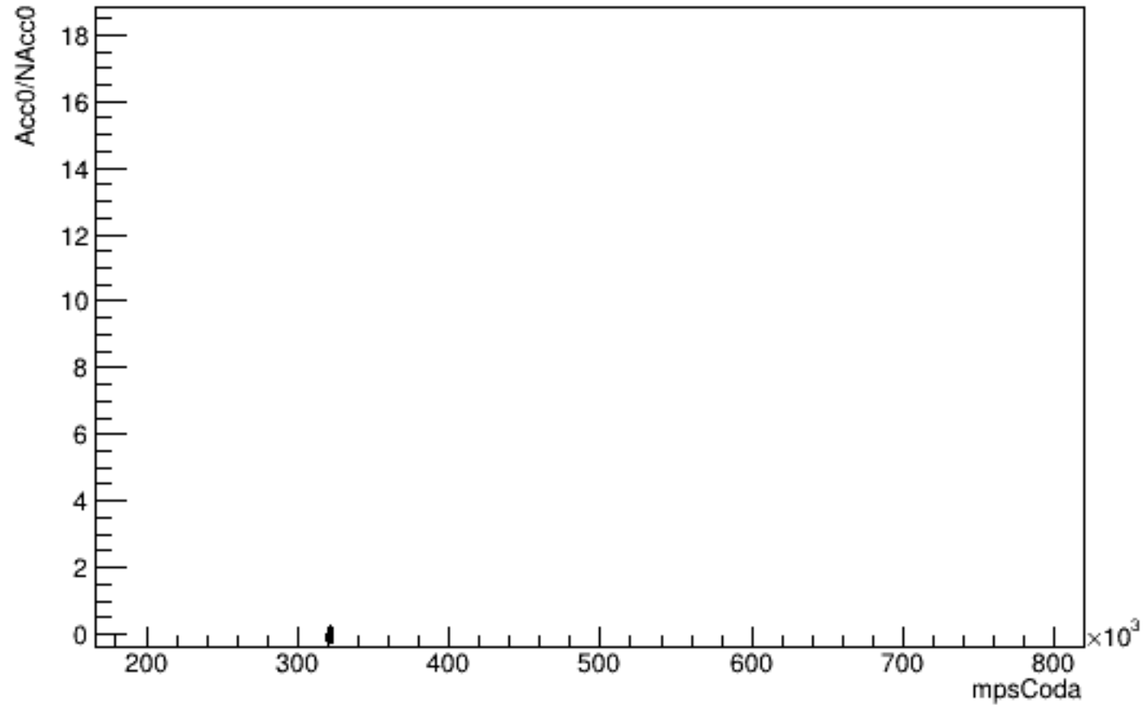
Run 5500 mpswise, beam ON, laser OFF

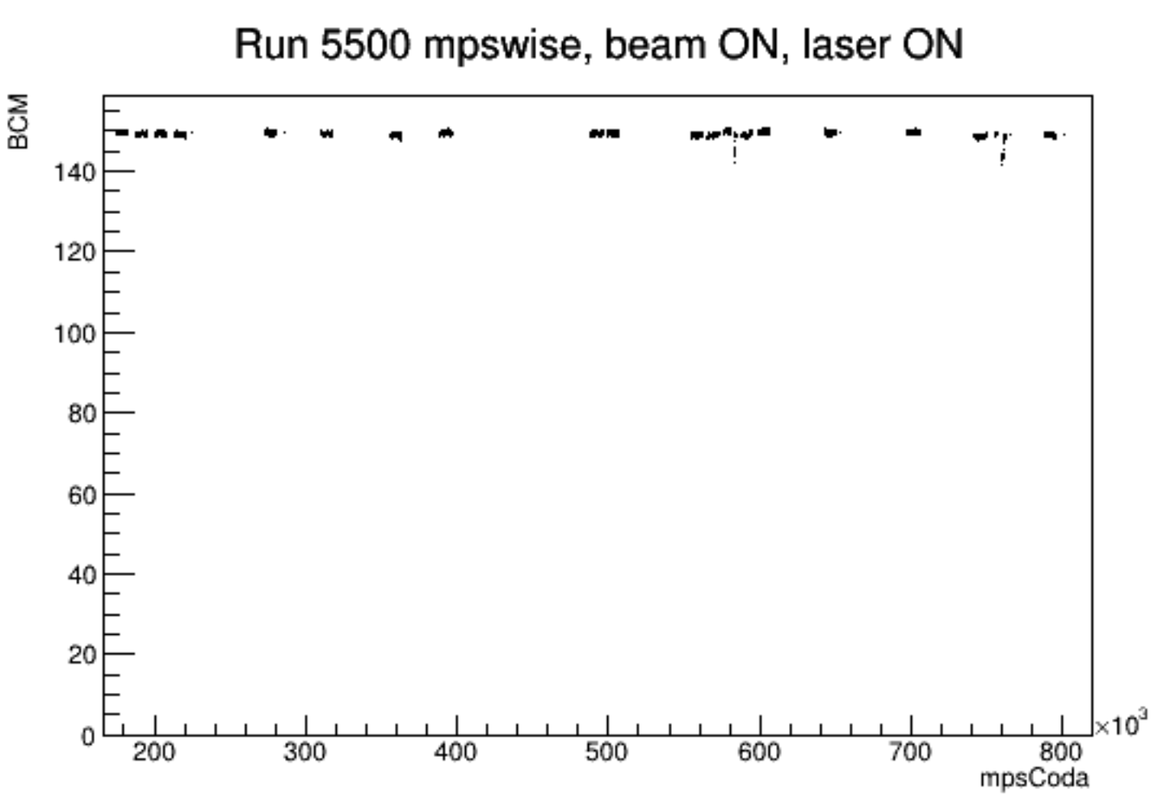


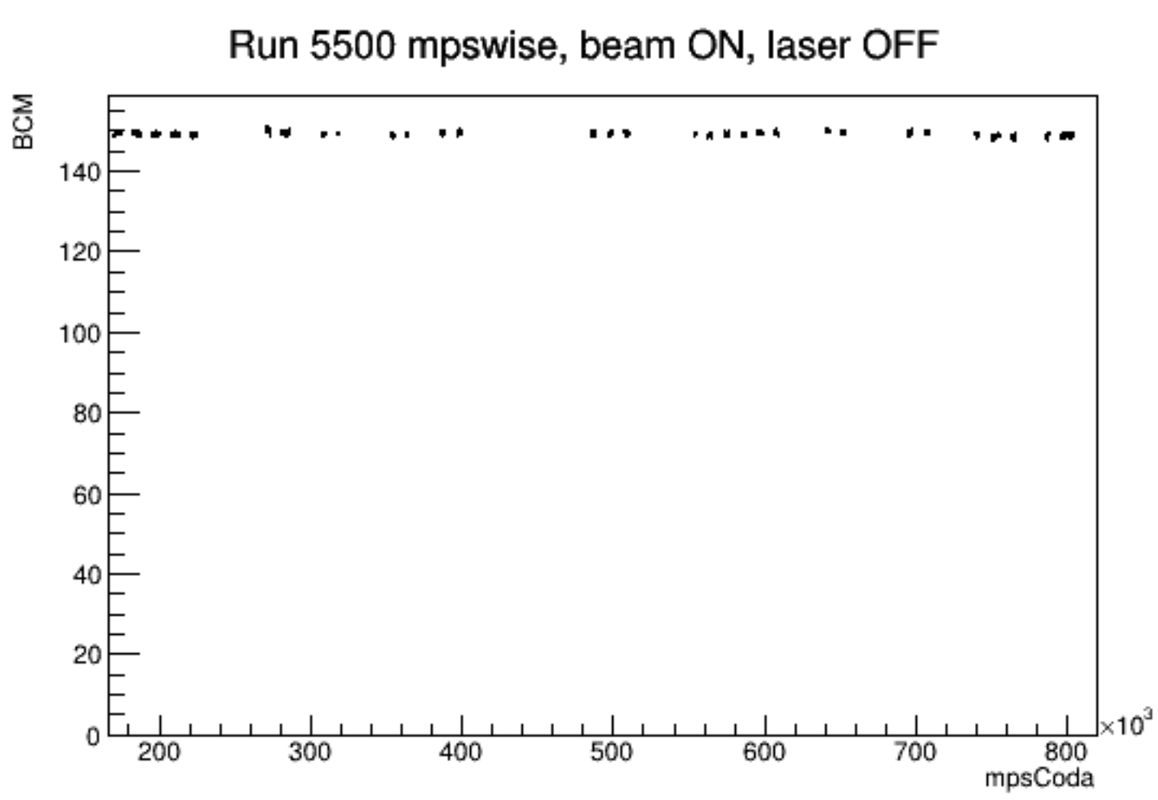
Run 5500 mpswise, beam OFF, laser ON

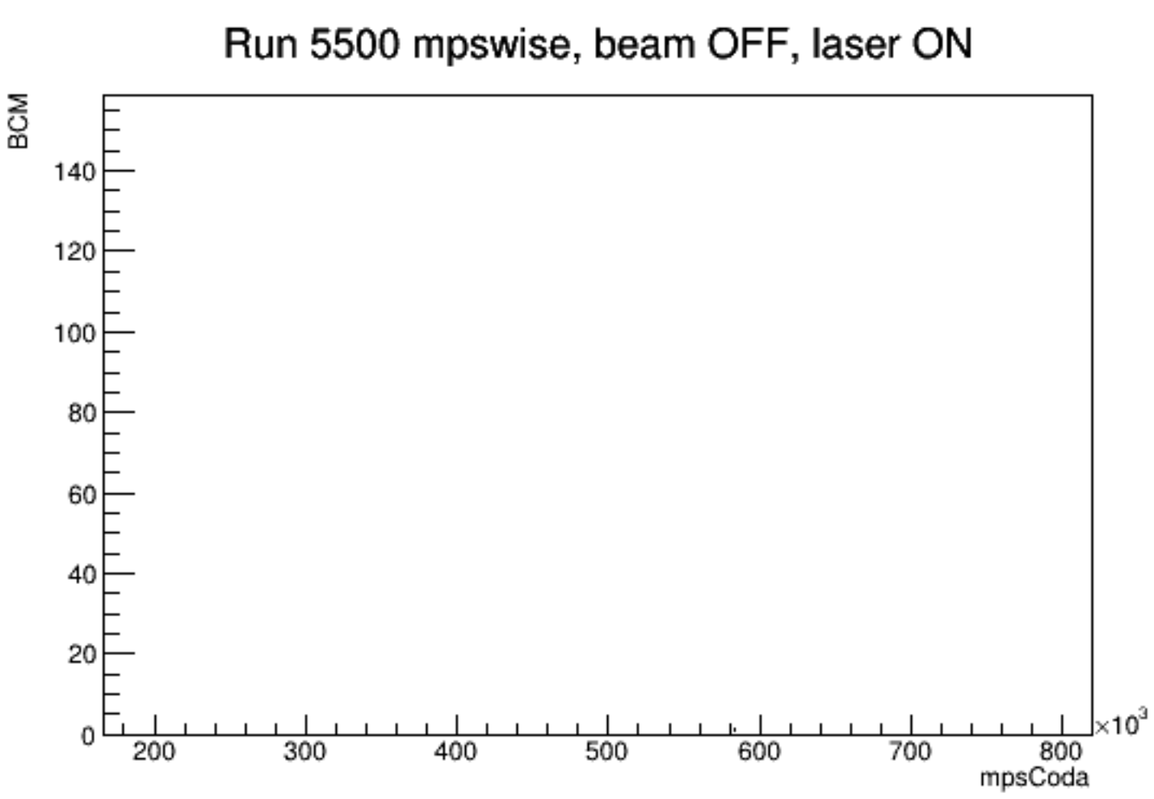


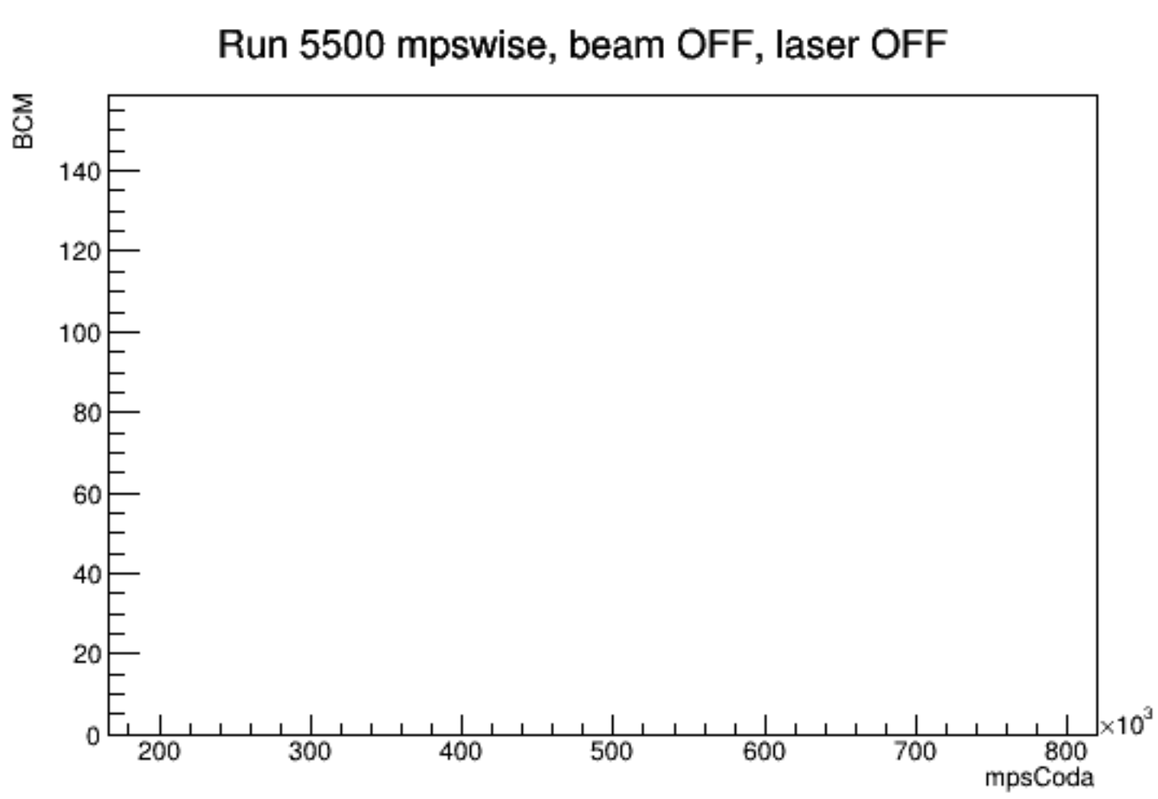
Run 5500 mpswise, beam OFF, laser OFF

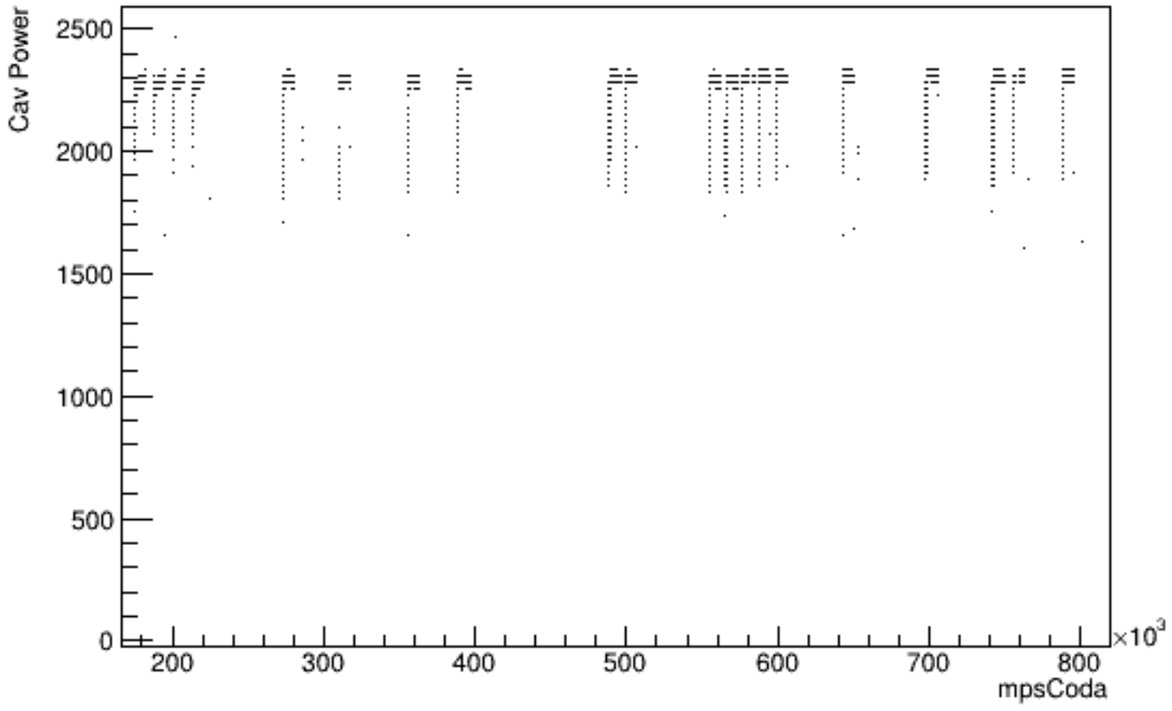


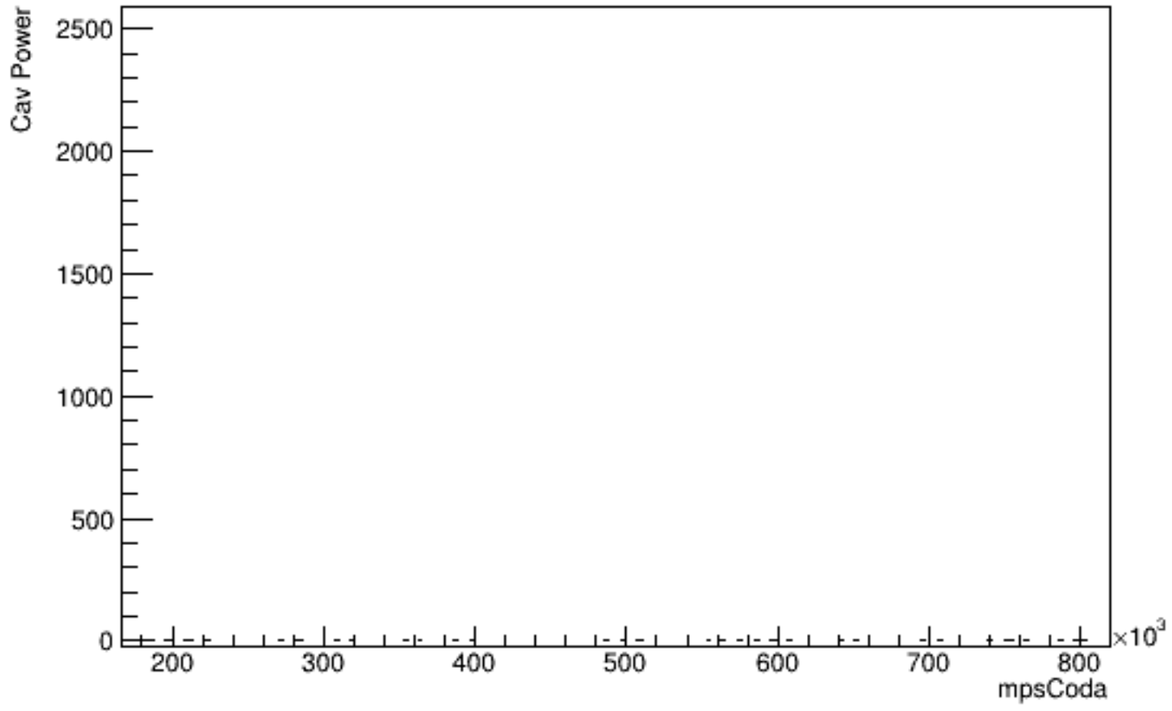

Run 5500 mpswise, beam ON, laser ON
BCM
0
20
40
60
80
100
120
140
200
300
400
500
600
700
800
×10^3
mpsCoda

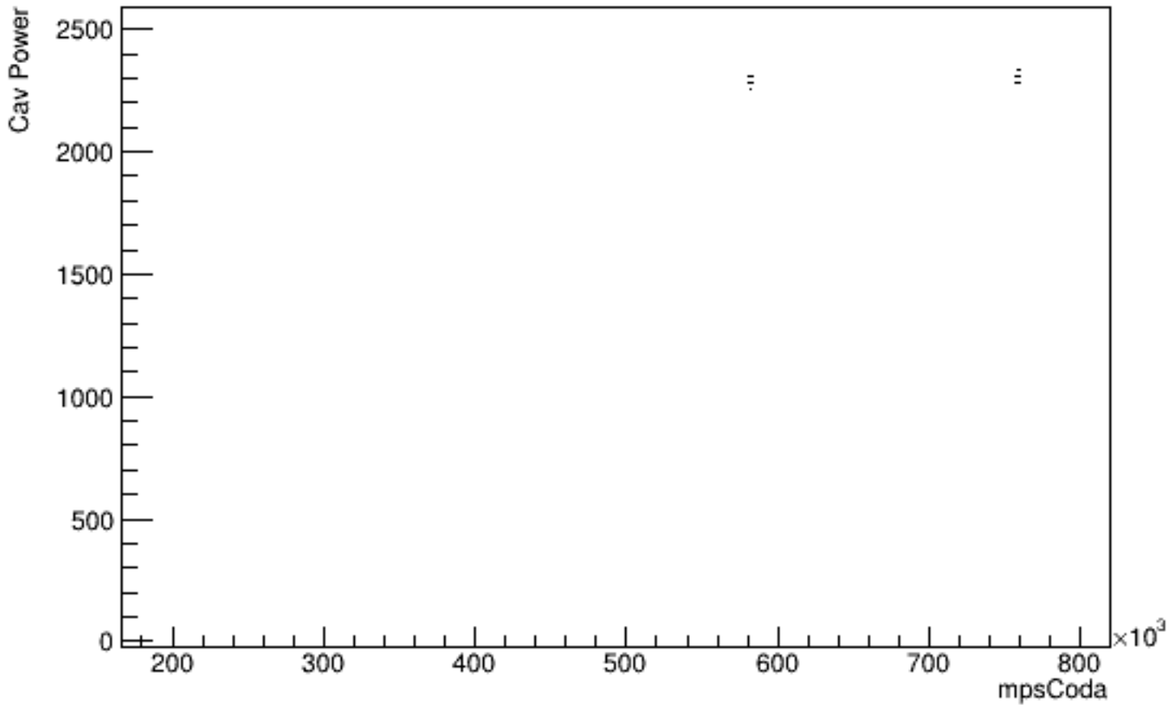

Run 5500 mpswise, beam ON, laser OFF
BCM
0
20
40
60
80
100
120
140
200
300
400
500
600
700
800
×10^3
mpsCoda

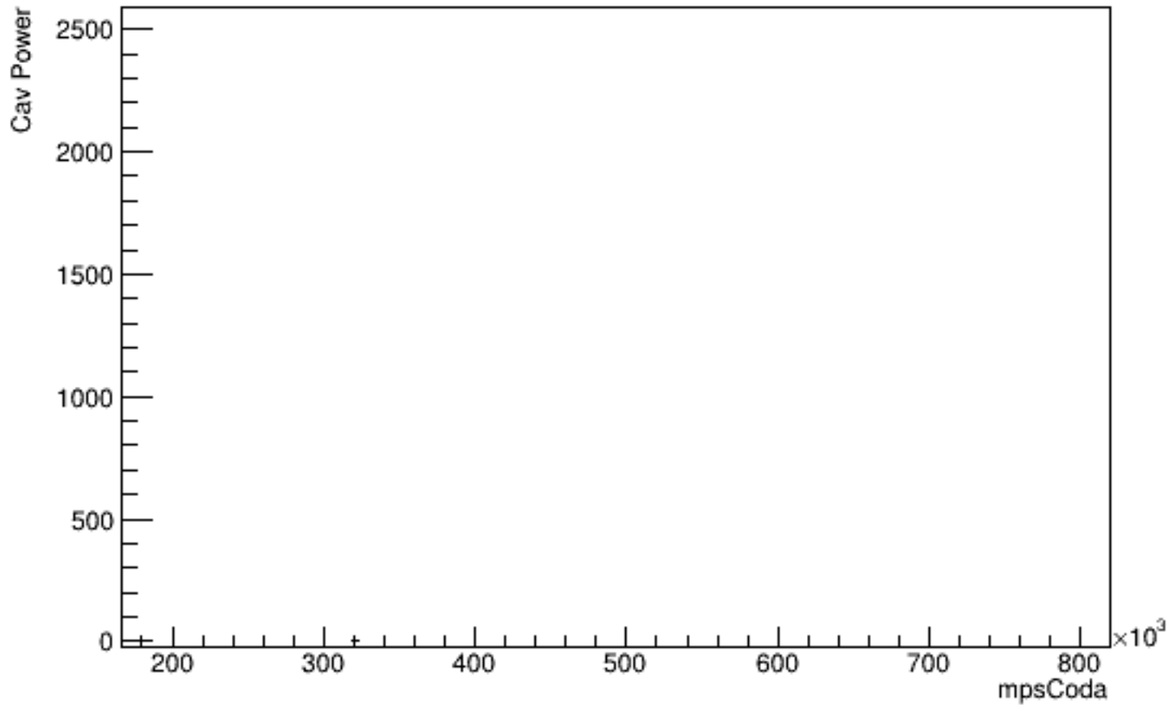

Run 5500 mpswise, beam OFF, laser ON
BCM
0
20
40
60
80
100
120
140
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 5500 mpswise, beam OFF, laser OFF
BCM
0
20
40
60
80
100
120
140
200
300
400
500
600
700
800
×10^3
mpsCoda

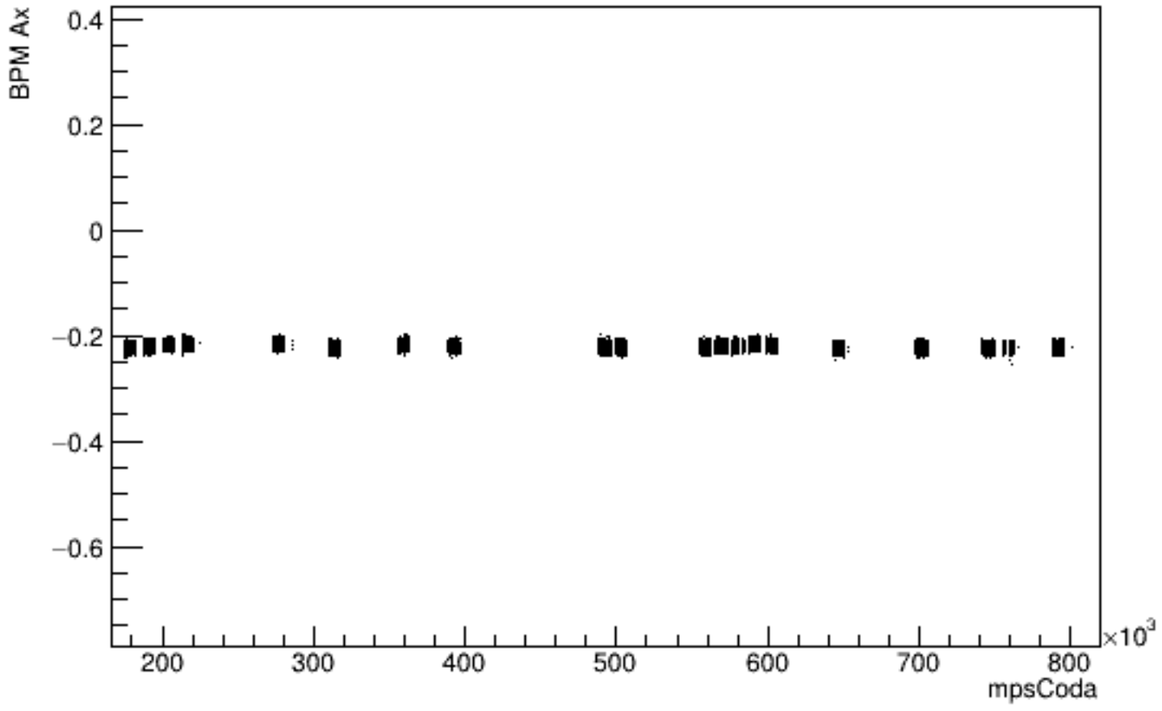

Run 5500 mpswise, beam ON, laser ON
Cav Power
2500
2000
1500
1000
500
0
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 5500 mpswise, beam ON, laser OFF
Cav Power
2500
2000
1500
1000
500
0
200
300
400
500
600
700
800
×10^3
mpsCoda

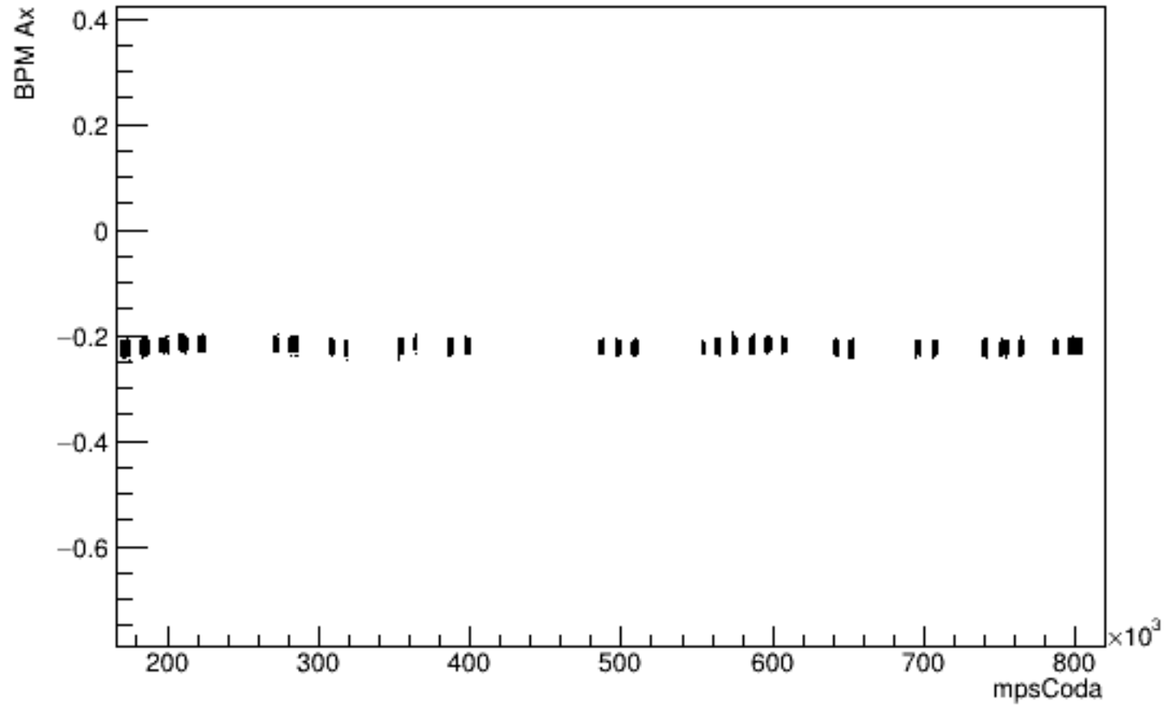

Run 5500 mpswise, beam OFF, laser ON
Cav Power
2500
2000
1500
1000
500
0
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 5500 mpswise, beam OFF, laser OFF
Cav Power
2500
2000
1500
1000
500
0
200
300
400
500
600
700
800
×10^3
mpsCoda

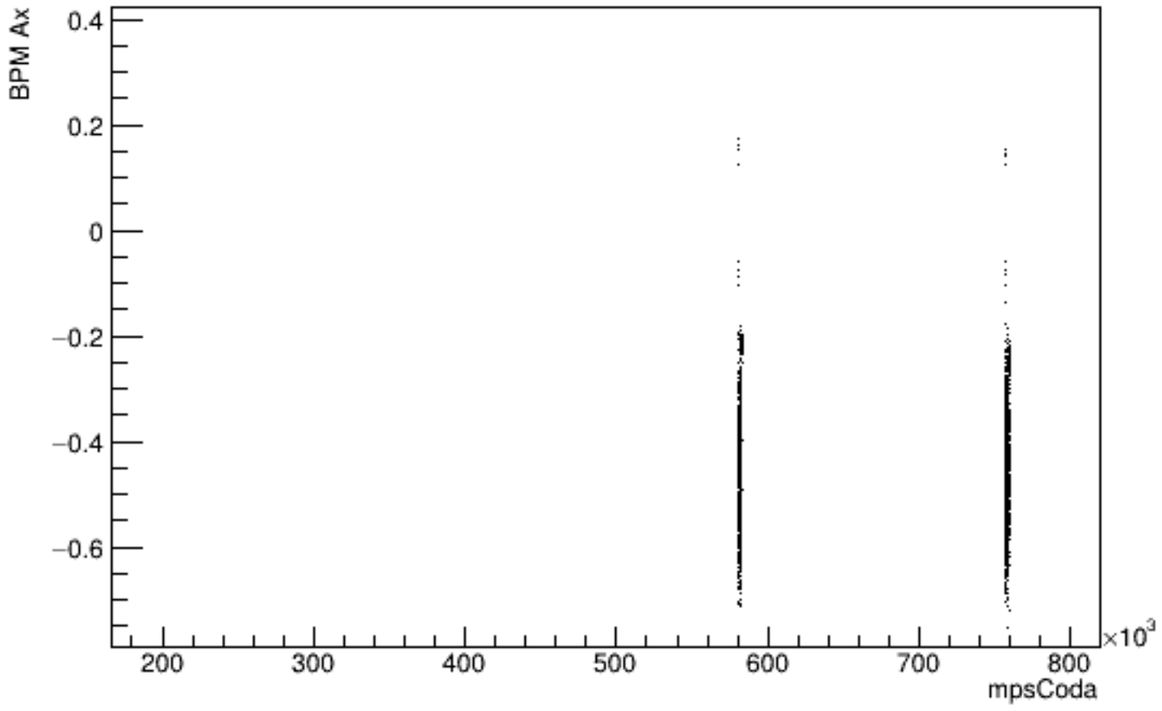
Run 5500 mpswise, beam ON, laser ON



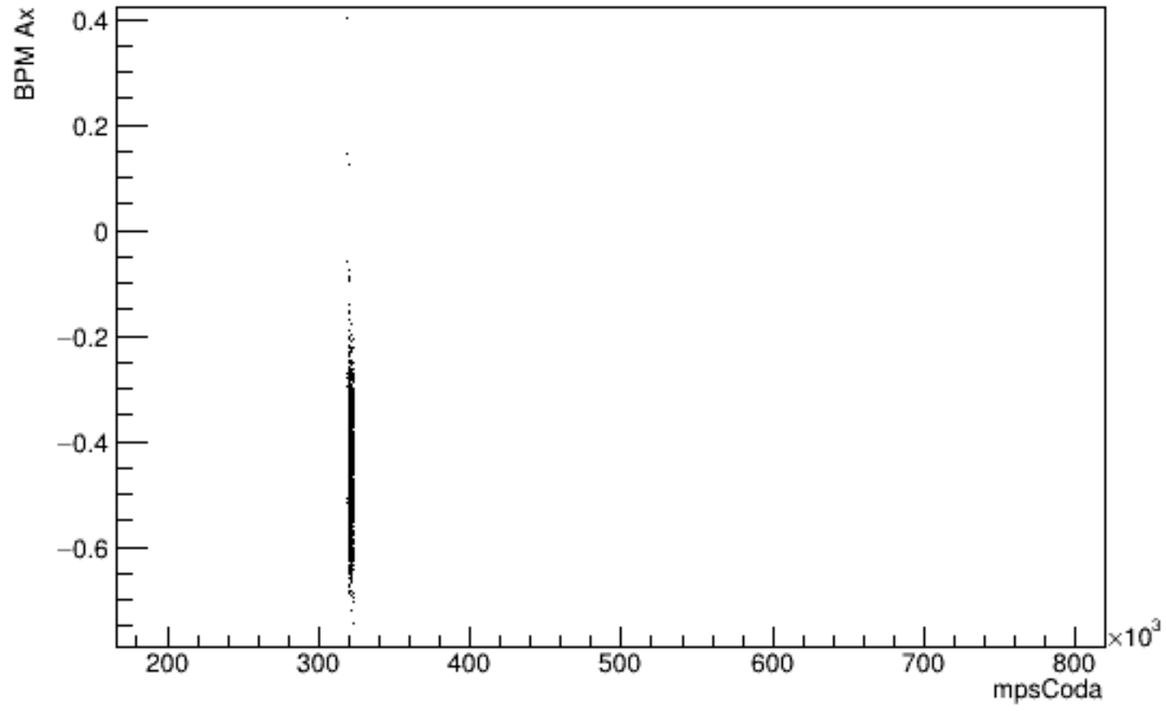
Run 5500 mpswise, beam ON, laser OFF

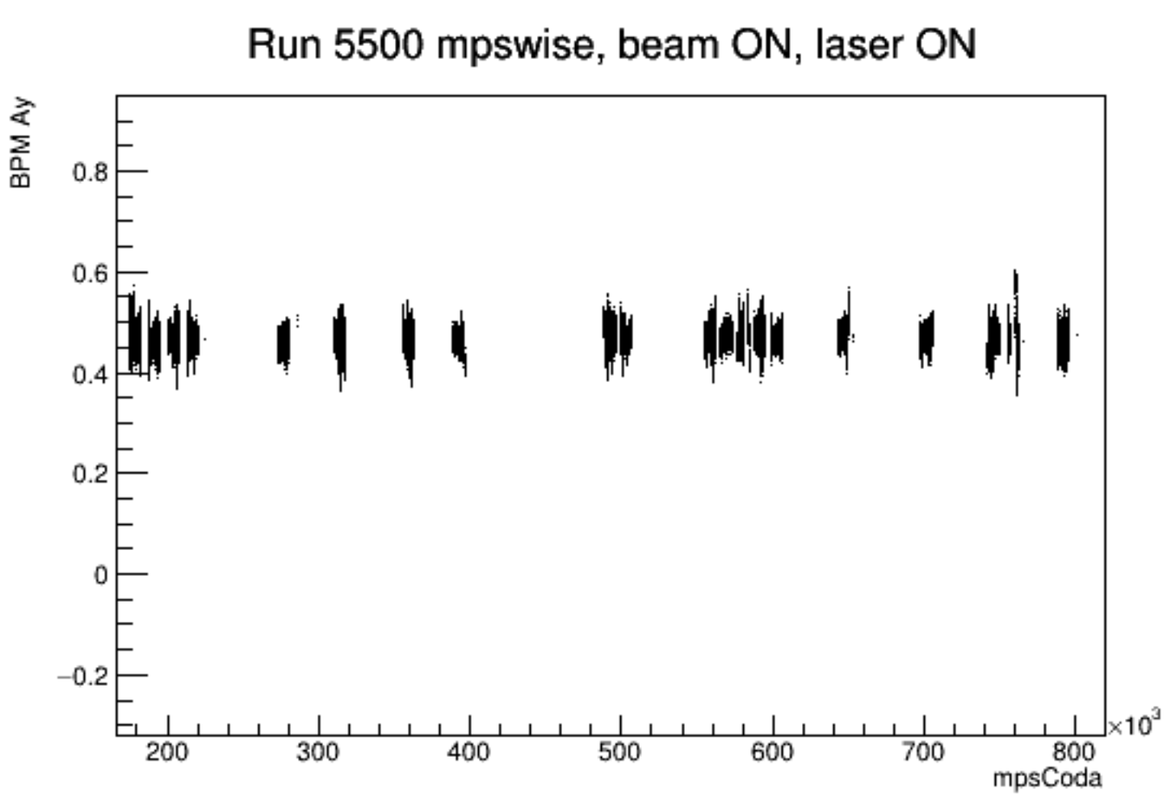


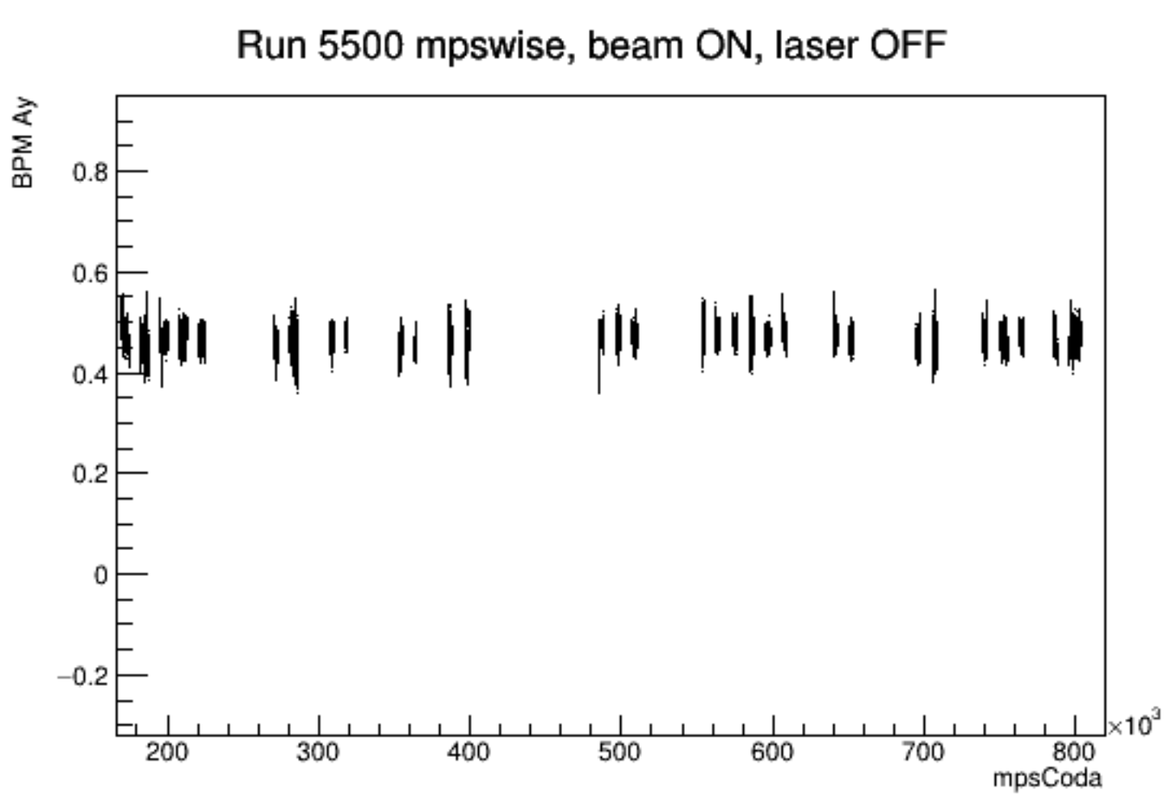
Run 5500 mpswise, beam OFF, laser ON

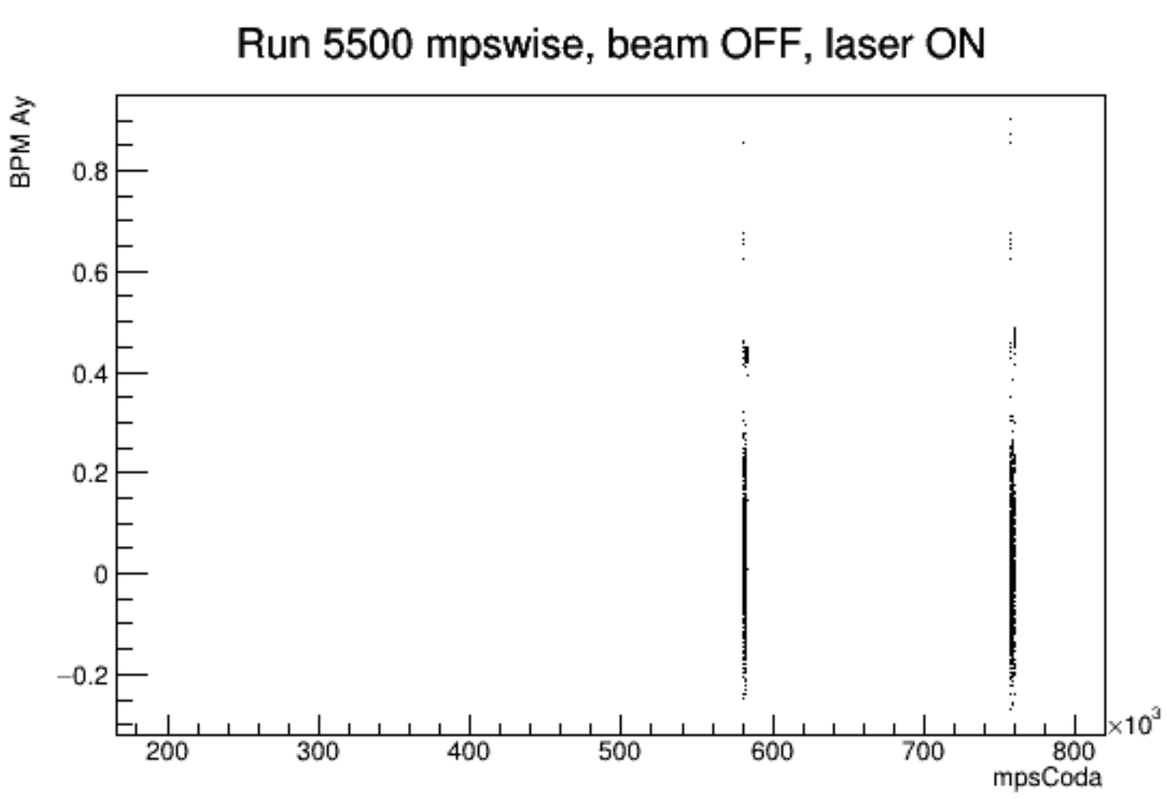


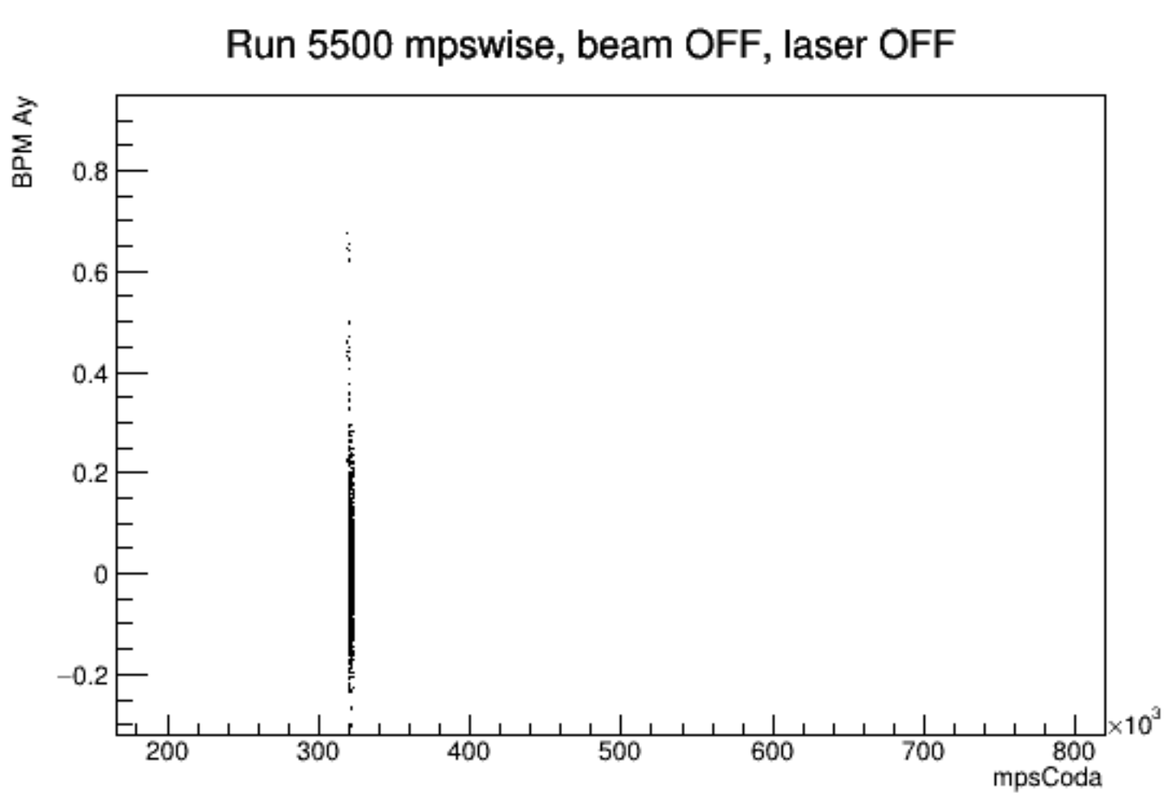
Run 5500 mpswise, beam OFF, laser OFF



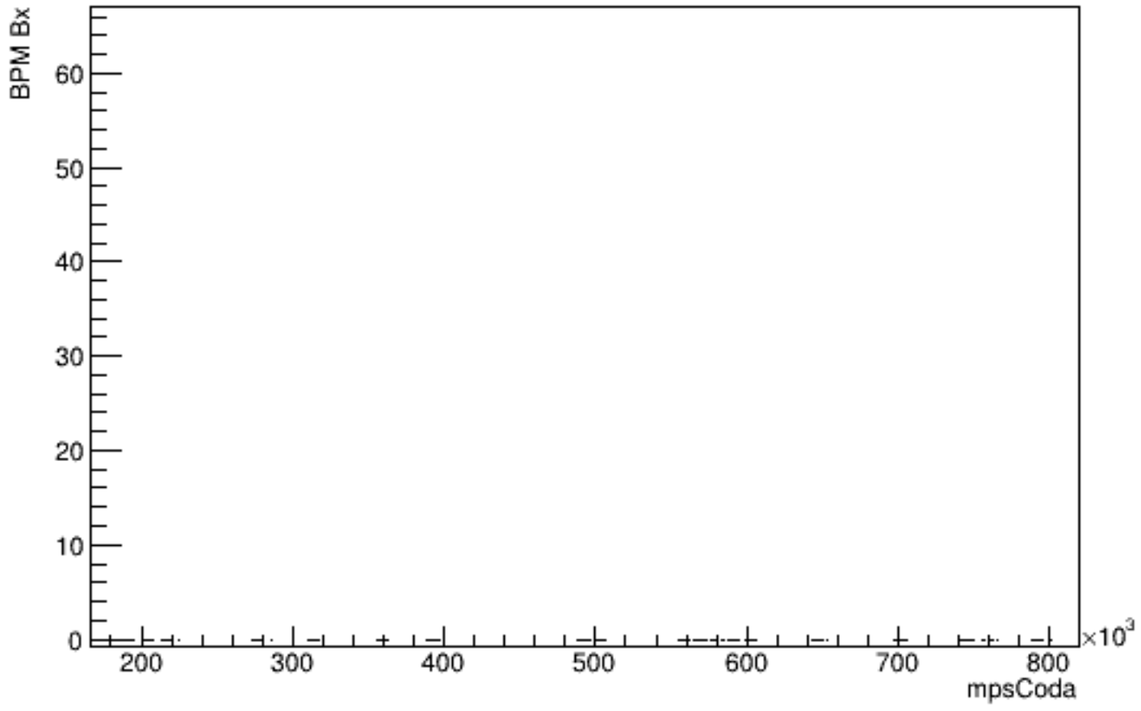

Run 5500 mpswise, beam ON, laser ON
BPM Ay
0.8
0.6
0.4
0.2
0
−0.2
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 5500 mpswise, beam ON, laser OFF
BPM Ay
0.8
0.6
0.4
0.2
0
−0.2
200
300
400
500
600
700
800
×10^3
mpsCoda

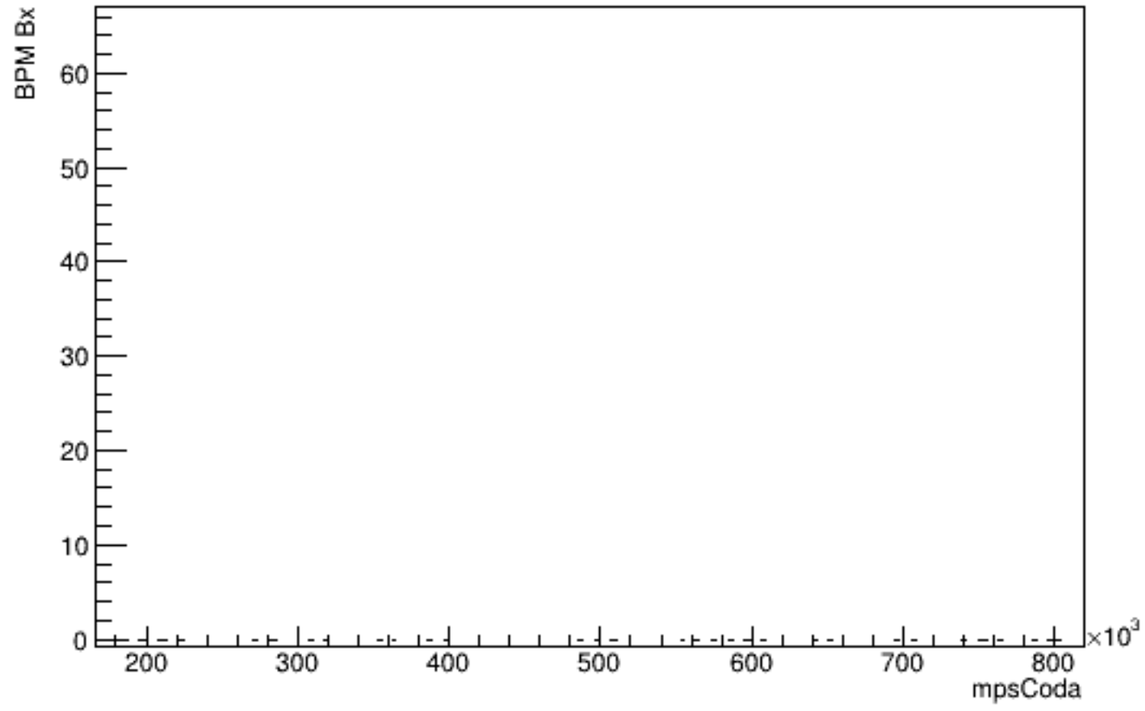

Run 5500 mpswise, beam OFF, laser ON
BPM Ay
0.8
0.6
0.4
0.2
0
−0.2
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 5500 mpswise, beam OFF, laser OFF
BPM Ay
0.8
0.6
0.4
0.2
0
−0.2
200
300
400
500
600
700
800
×10^3
mpsCoda

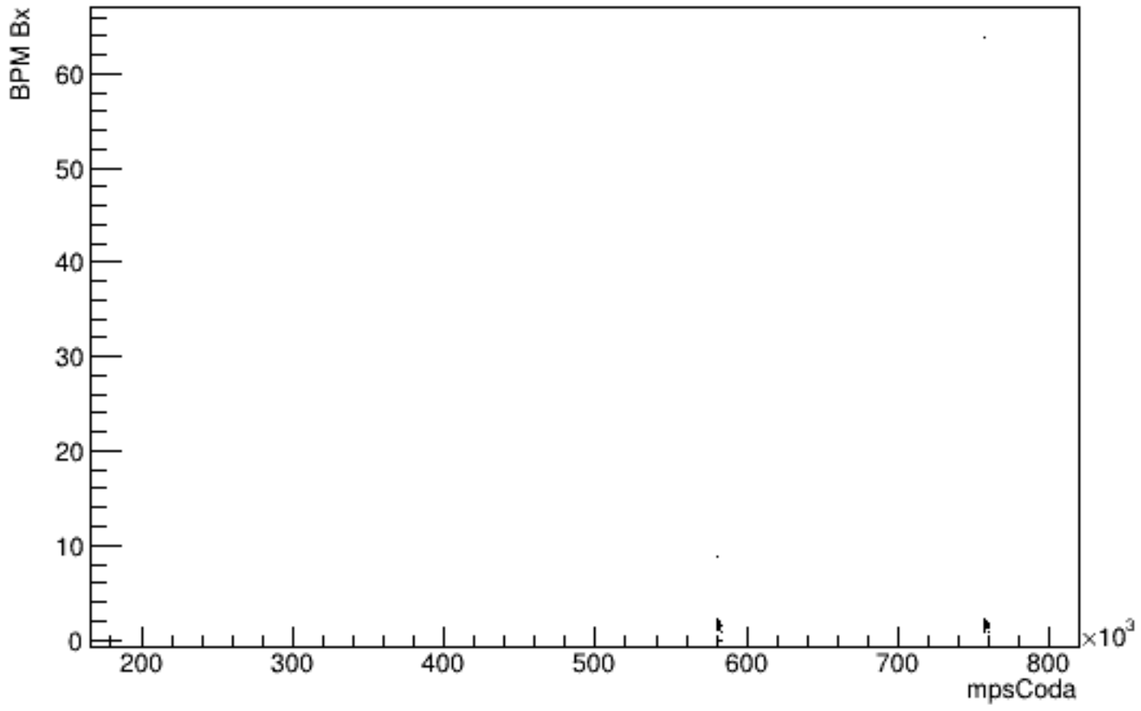
Run 5500 mpswise, beam ON, laser ON



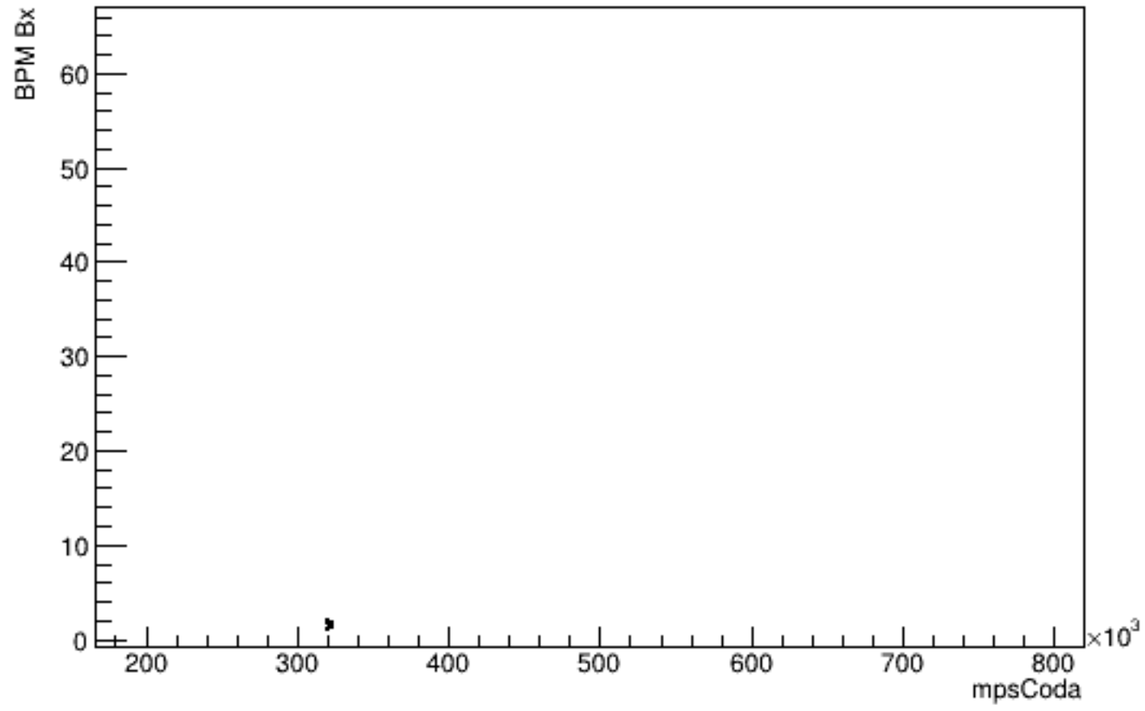
Run 5500 mpswise, beam ON, laser OFF



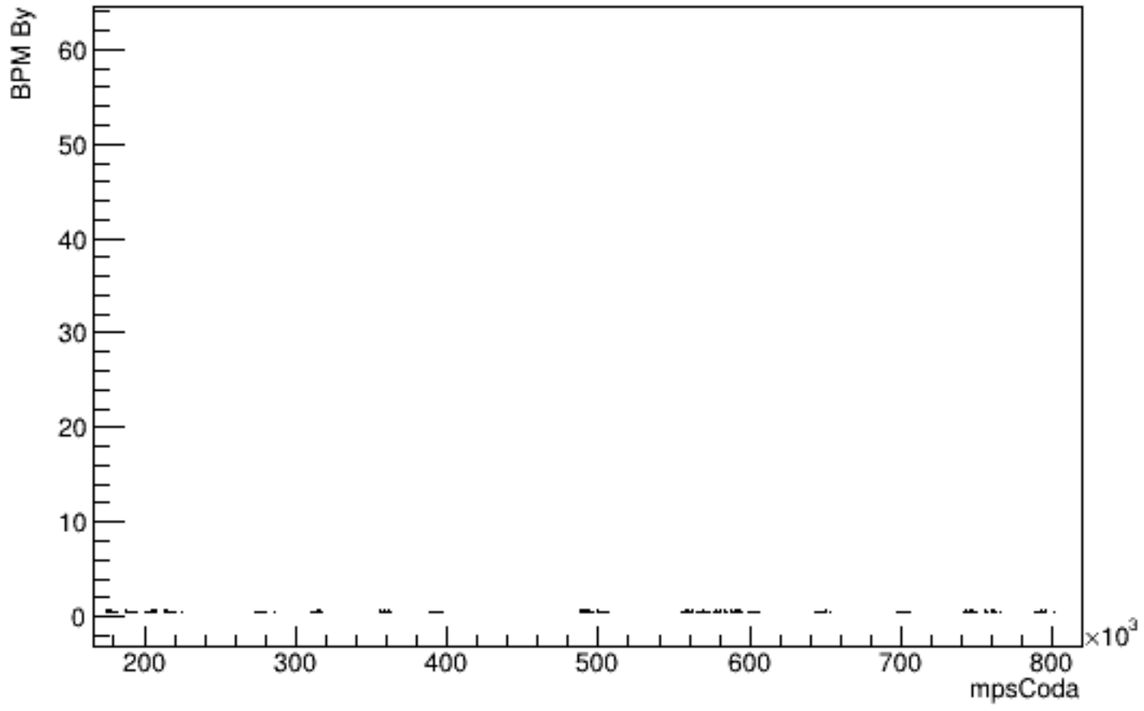
Run 5500 mpswise, beam OFF, laser ON



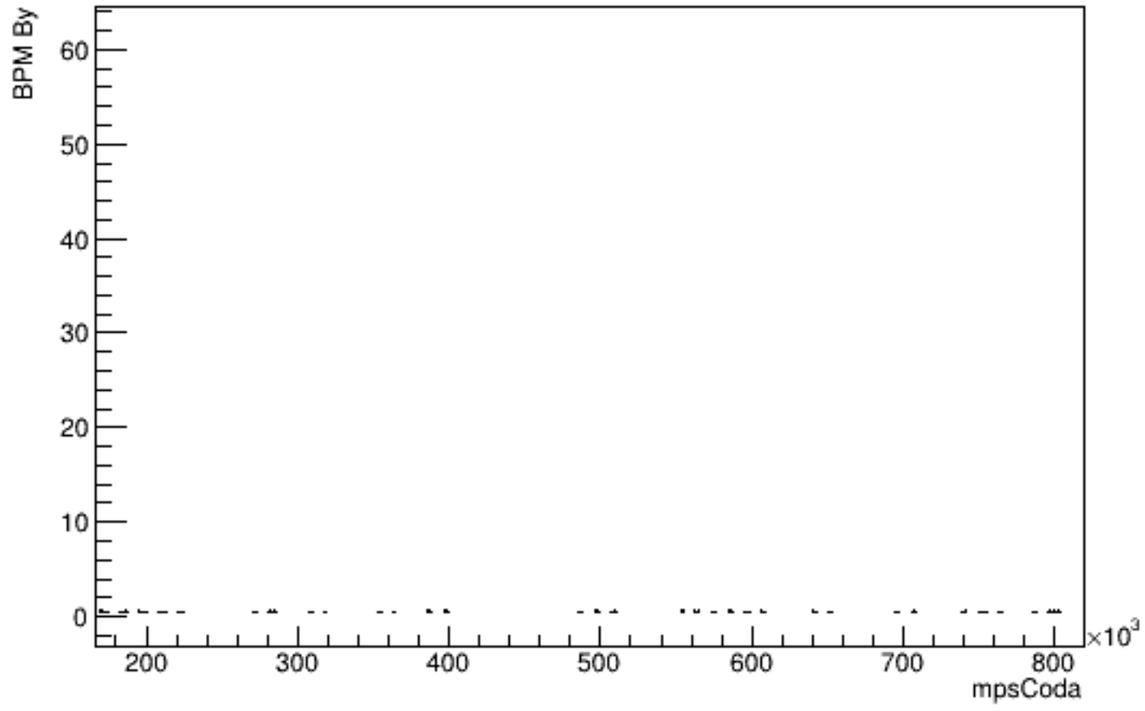
Run 5500 mpswise, beam OFF, laser OFF



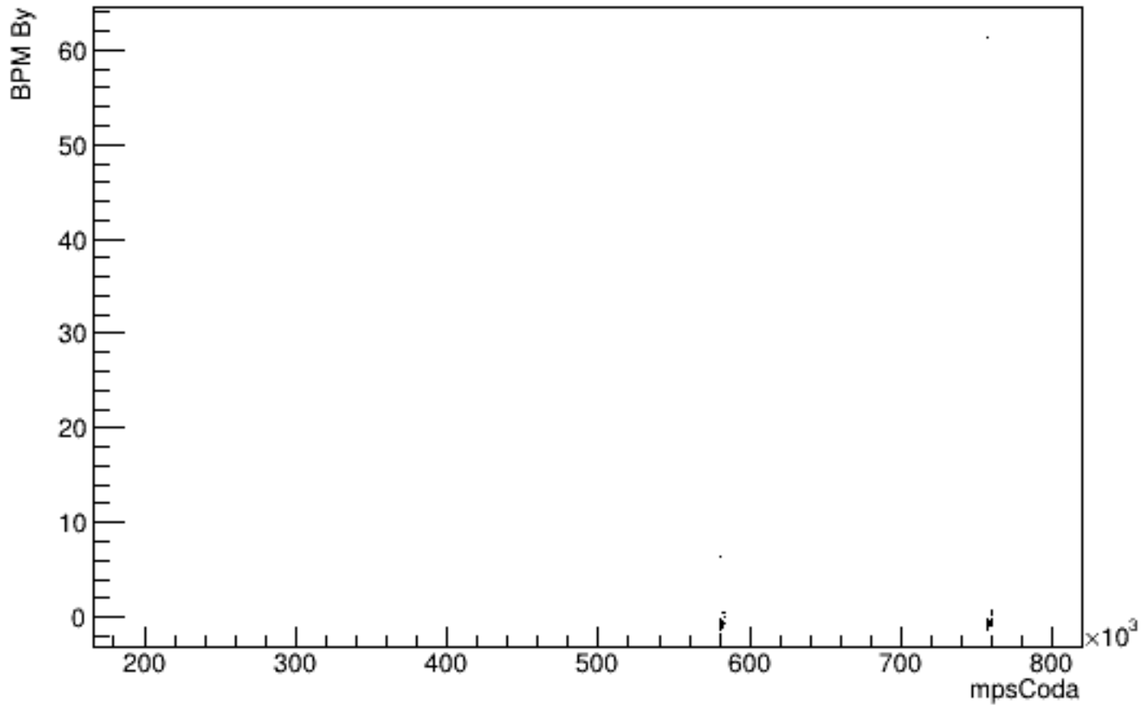
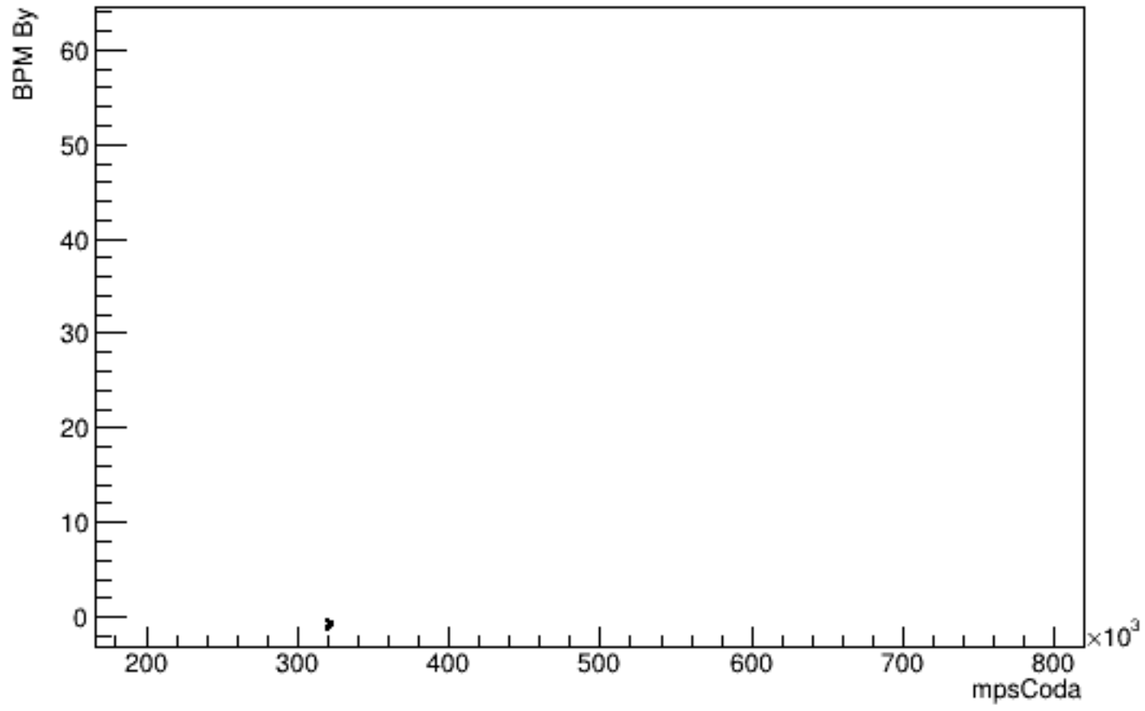
Run 5500 mpswise, beam ON, laser ON



Run 5500 mpswise, beam ON, laser OFF



Run 5500 mpswise, beam OFF, laser ON



Run 5500 mpswise, beam OFF, laser OFF