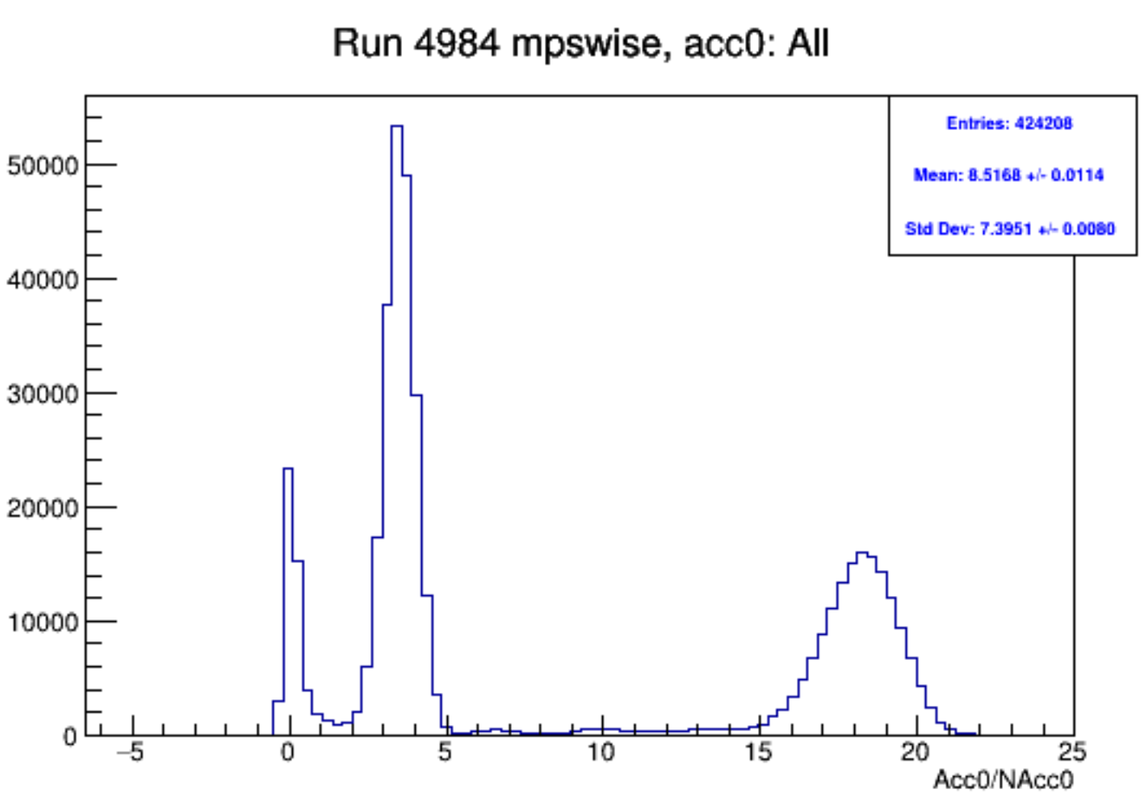
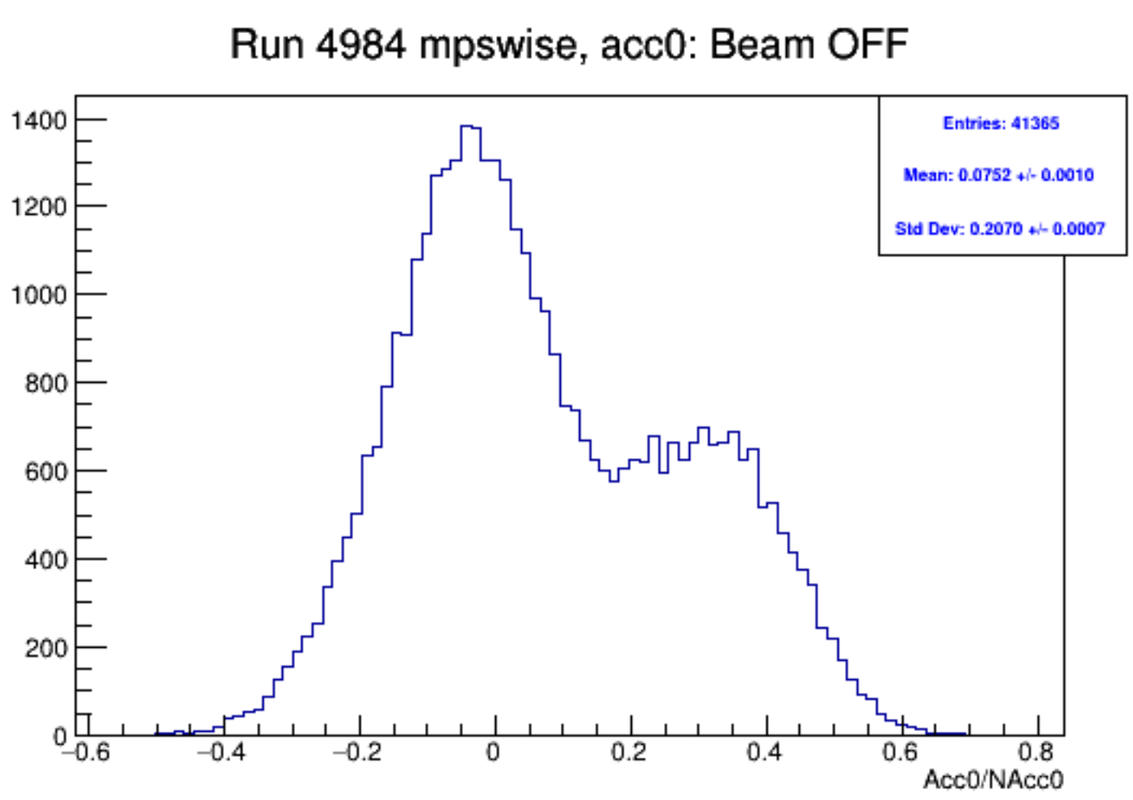
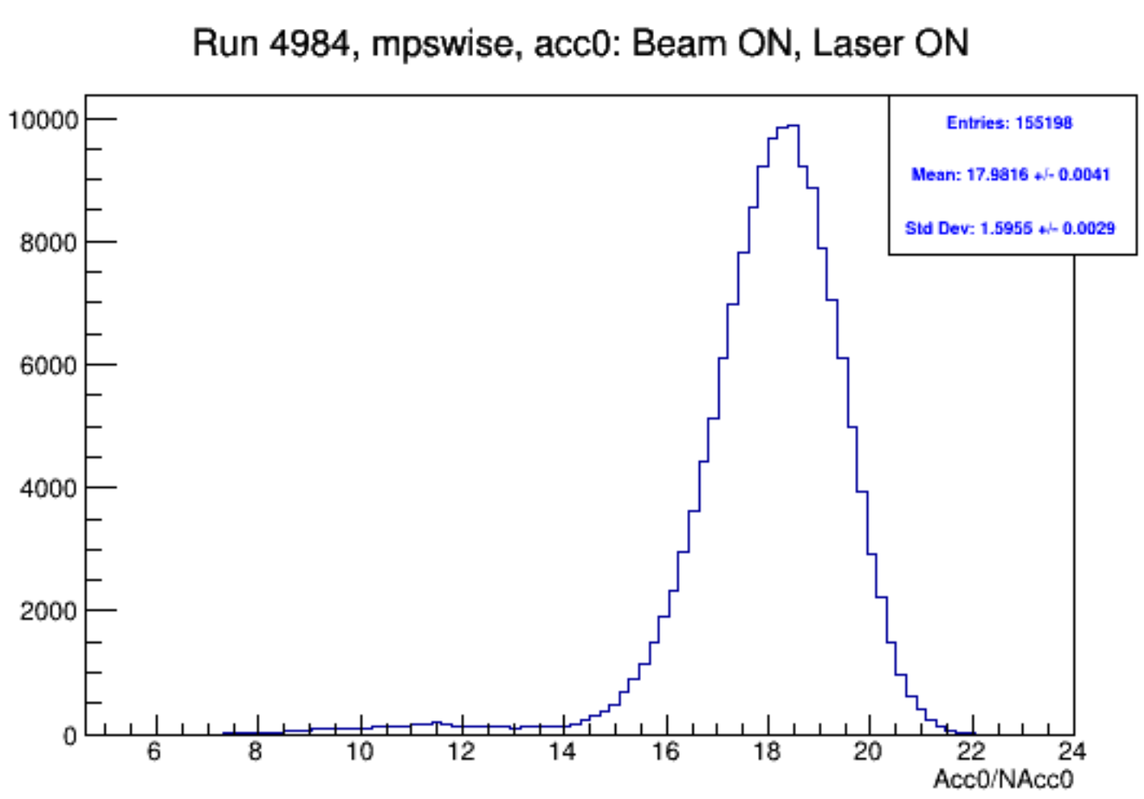
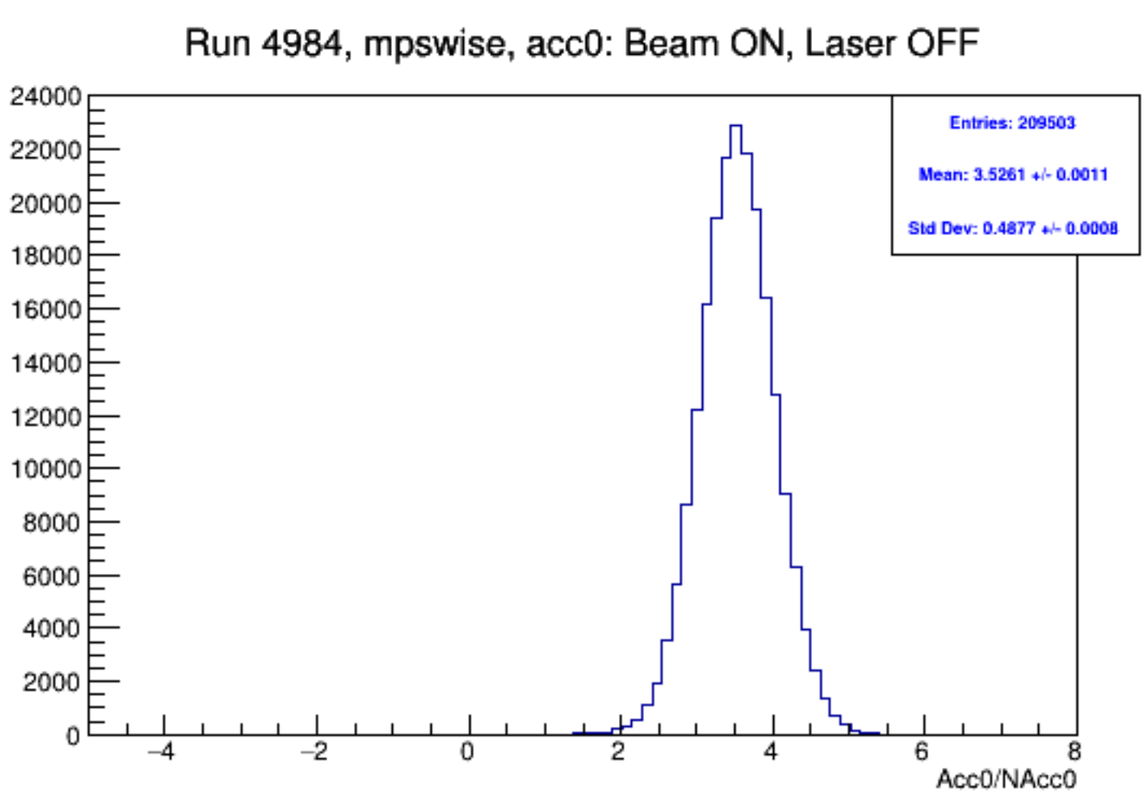
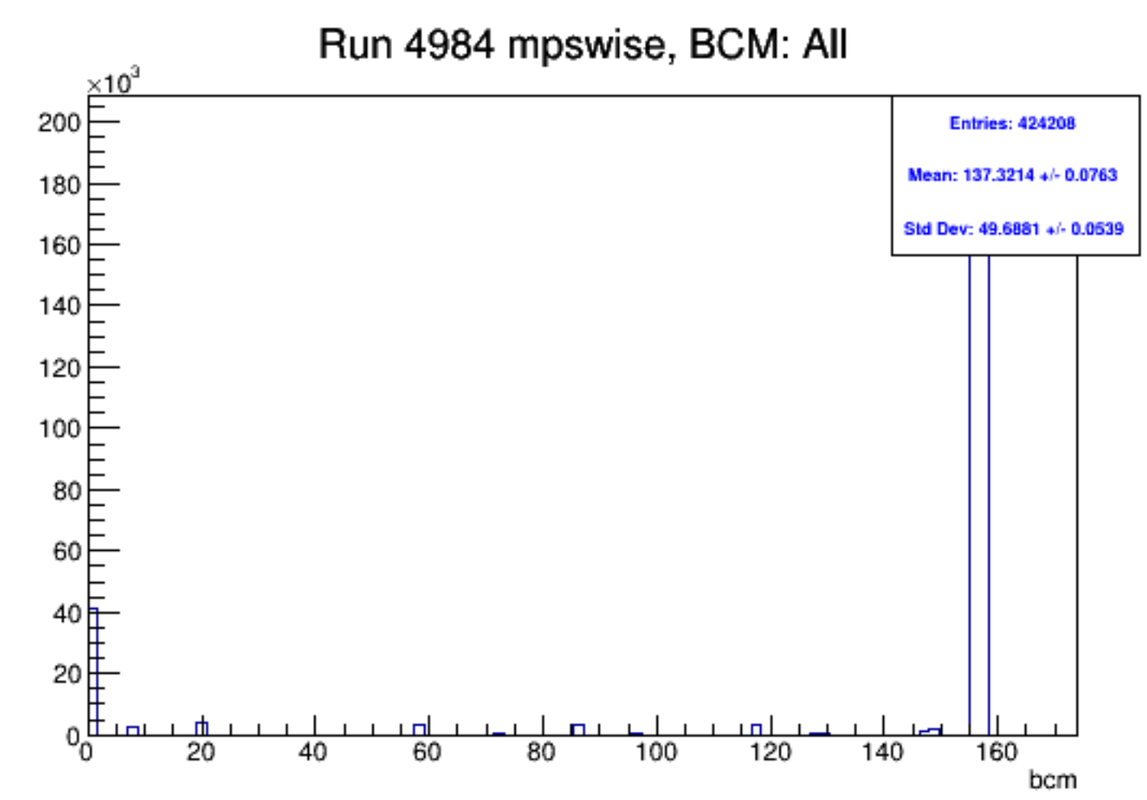
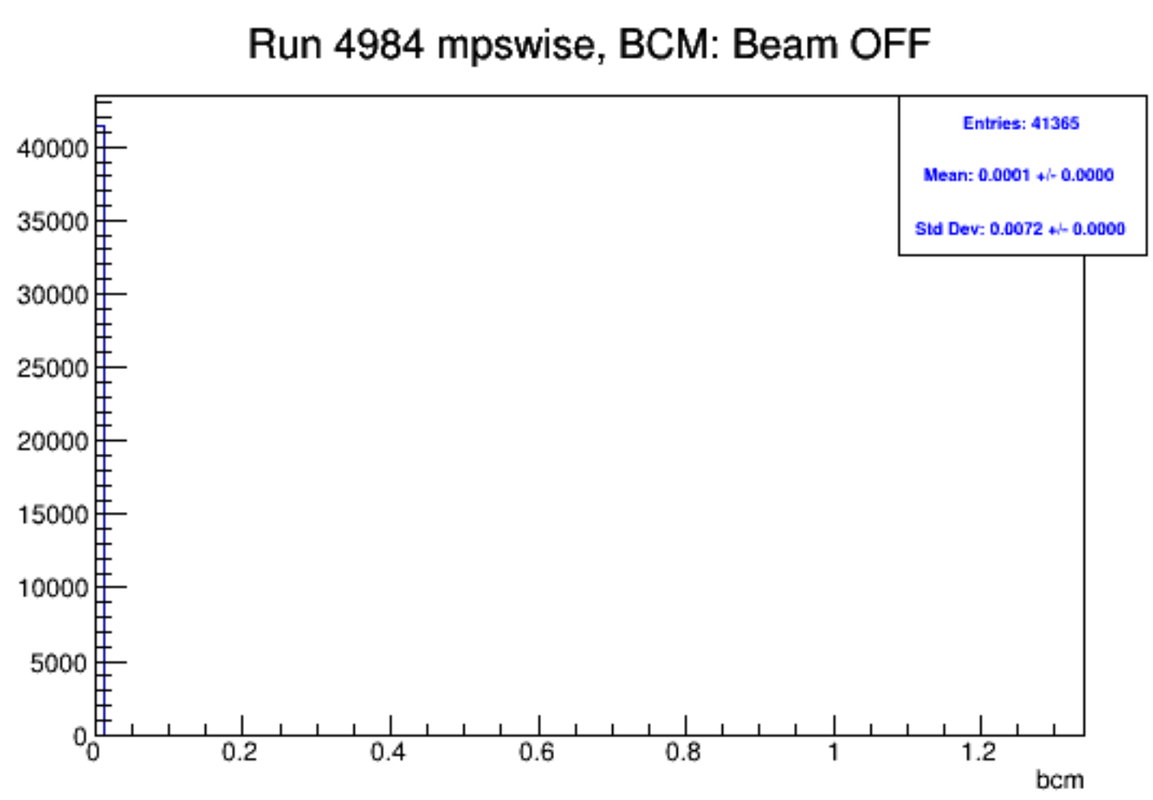

Run 4984 mpswise, acc0: All
Entries: 424208
Mean: 8.5168 +/- 0.0114
Std Dev: 7.3951 +/- 0.0080
50000
40000
30000
20000
10000
0
−5
0
5
10
15
20
25
Acc0/NAcc0

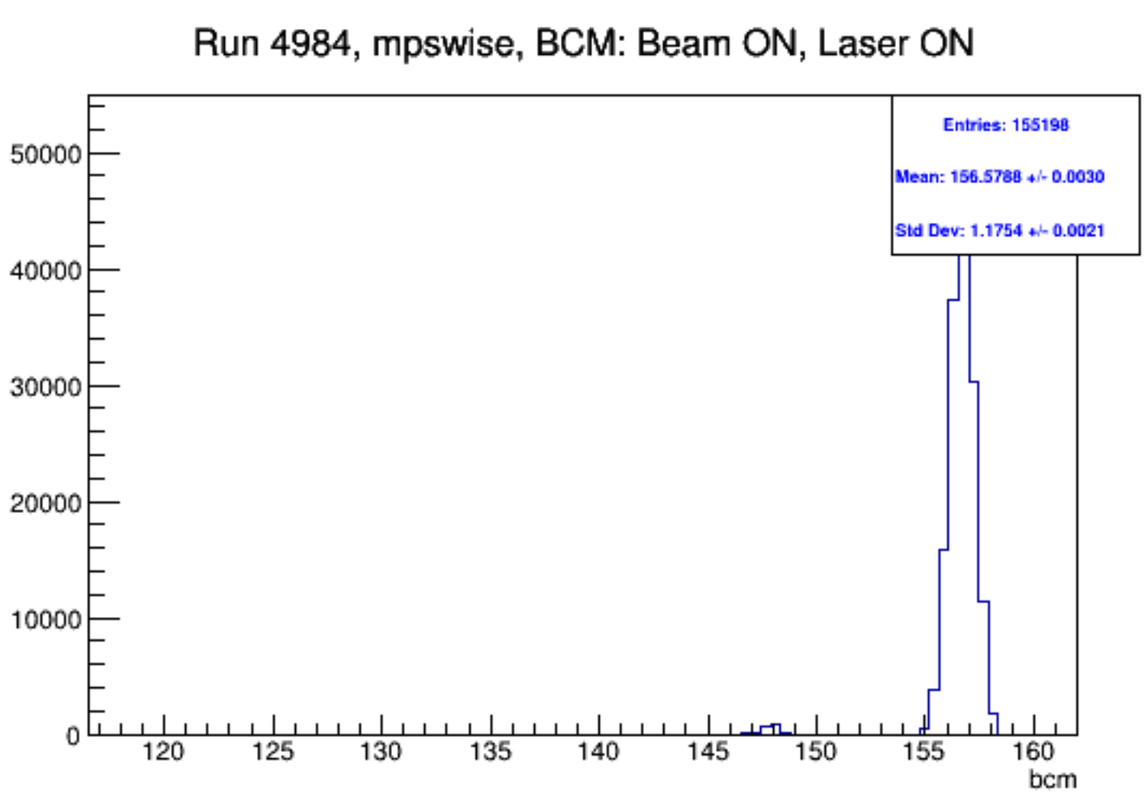

Run 4984 mpswise, acc0: Beam OFF
Entries: 41365
Mean: 0.0752 +/- 0.0010
Std Dev: 0.2070 +/- 0.0007
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
Acc0/NAcc0

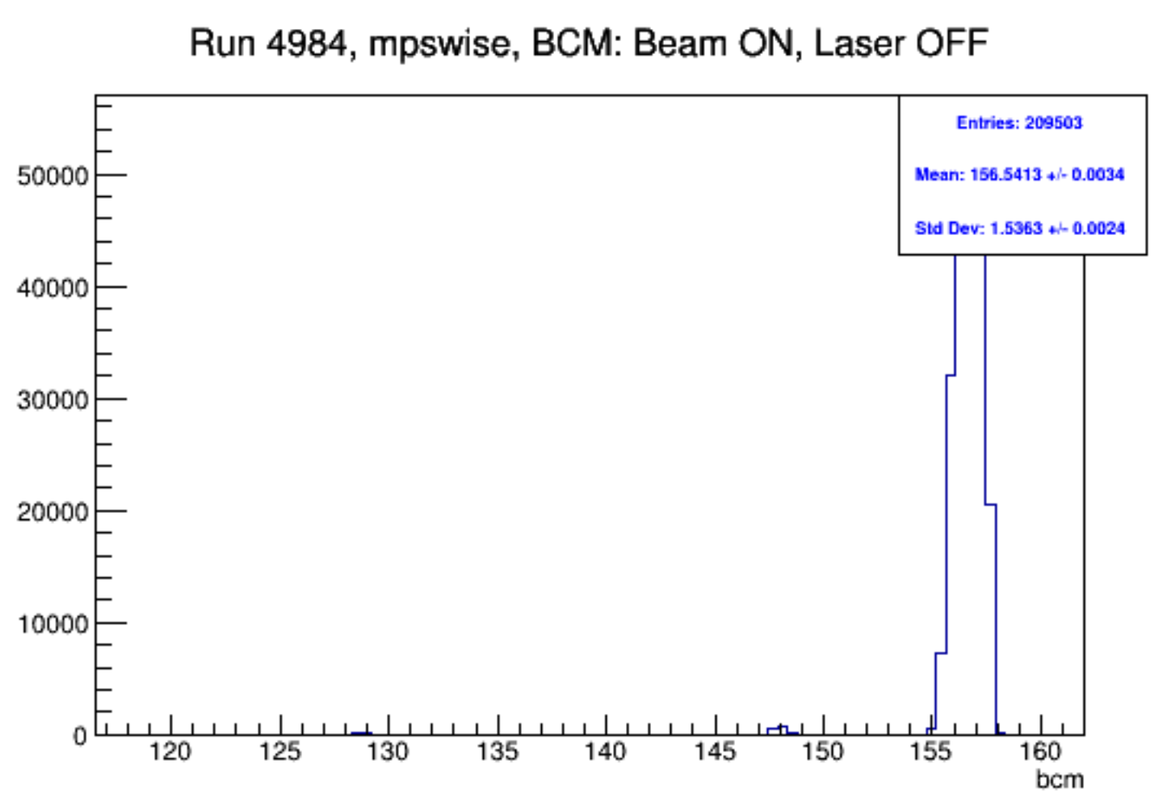

Run 4984, mpswise, acc0: Beam ON, Laser ON
Entries: 155198
Mean: 17.9816 +/- 0.0041
Std Dev: 1.5955 +/- 0.0029
10000
8000
6000
4000
2000
0
6
8
10
12
14
16
18
20
22
24
Acc0/NAcc0

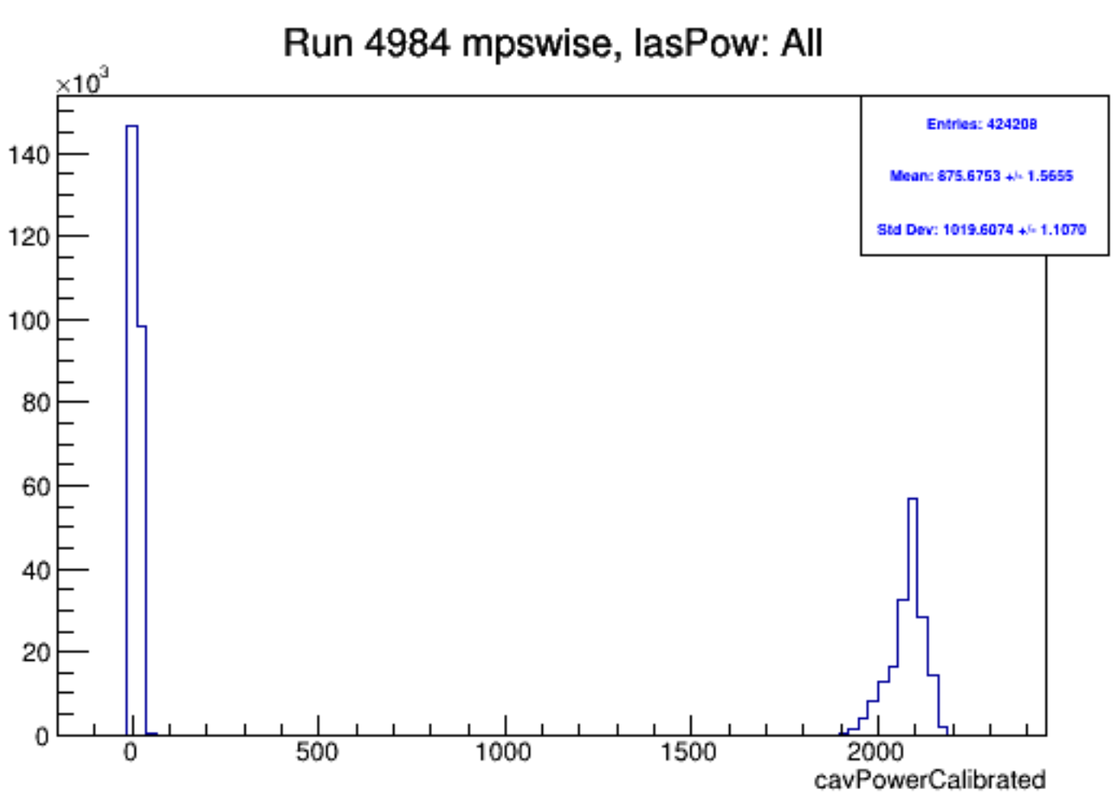

Run 4984, mpswise, acc0: Beam ON, Laser OFF
Entries: 209503
Mean: 3.5261 +/- 0.0011
Std Dev: 0.4877 +/- 0.0008
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−4
−2
0
2
4
6
8
Acc0/NAcc0

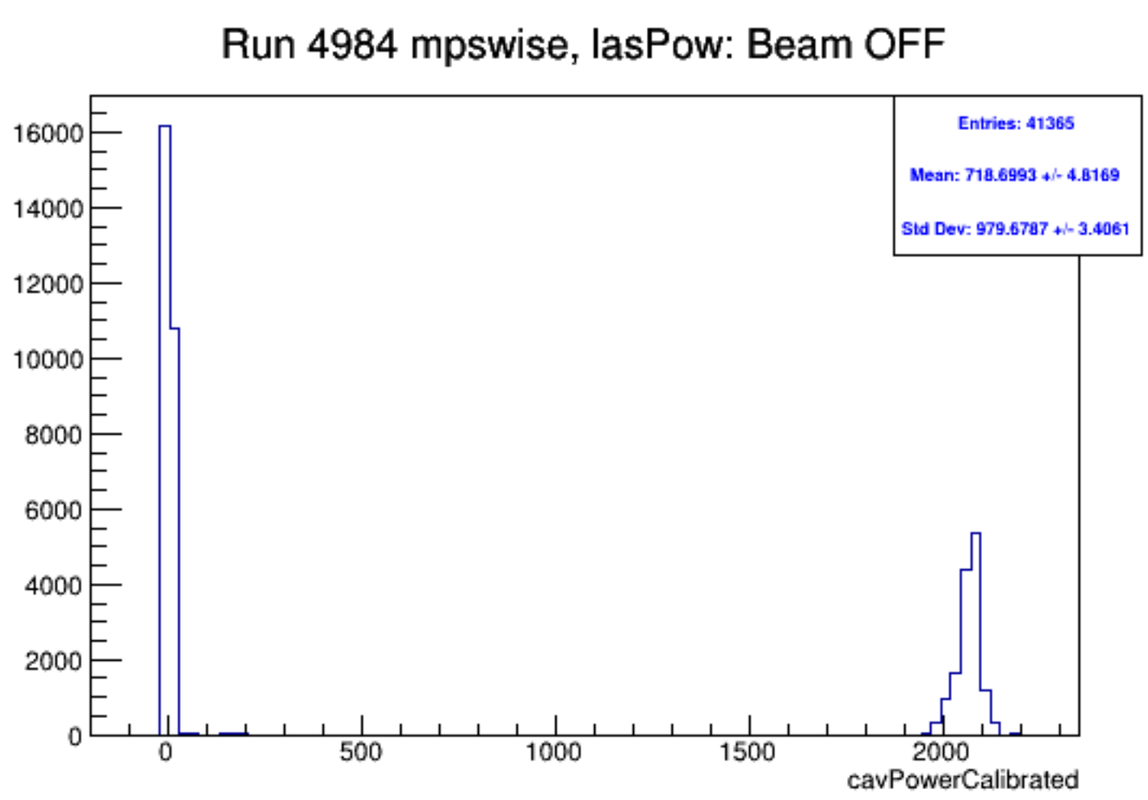

Run 4984 mpswise, BCM: All
×10^3
Entries: 424208
Mean: 137.3214 +/- 0.0763
Std Dev: 49.6881 +/- 0.0539
bcm

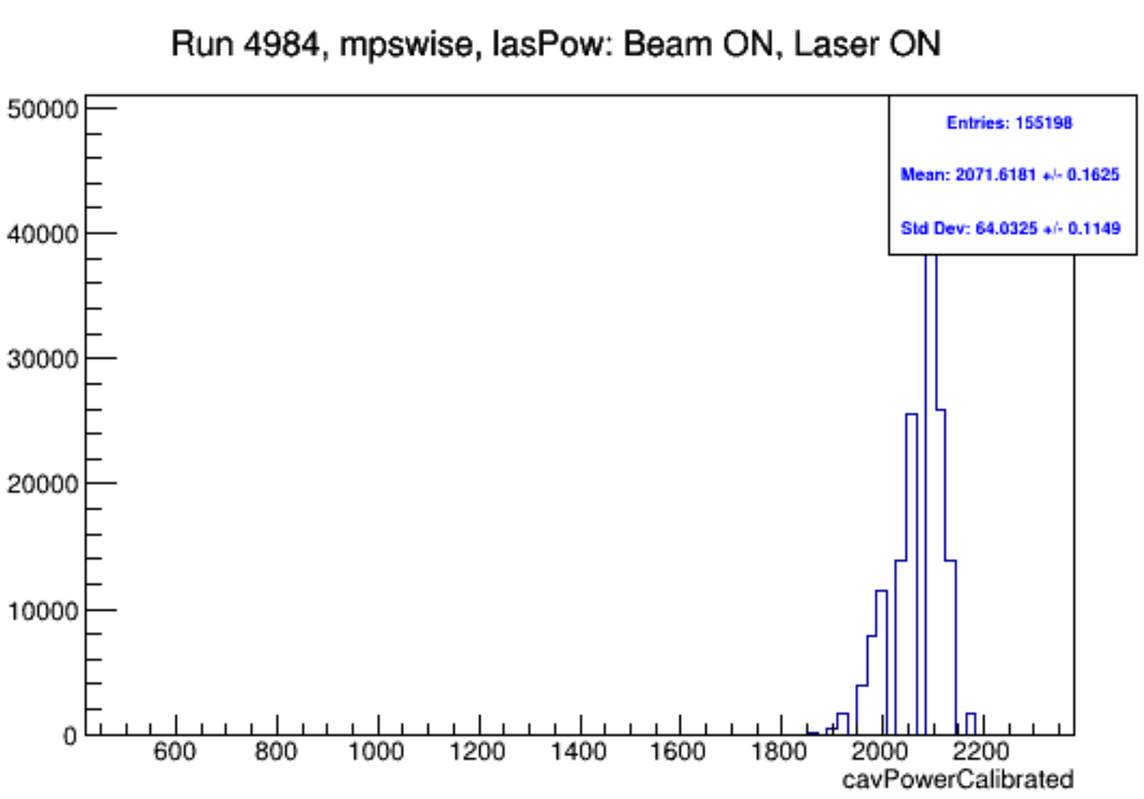

Run 4984 mpswise, BCM: Beam OFF
Entries: 41365
Mean: 0.0001 +/- 0.0000
Std Dev: 0.0072 +/- 0.0000
bcm

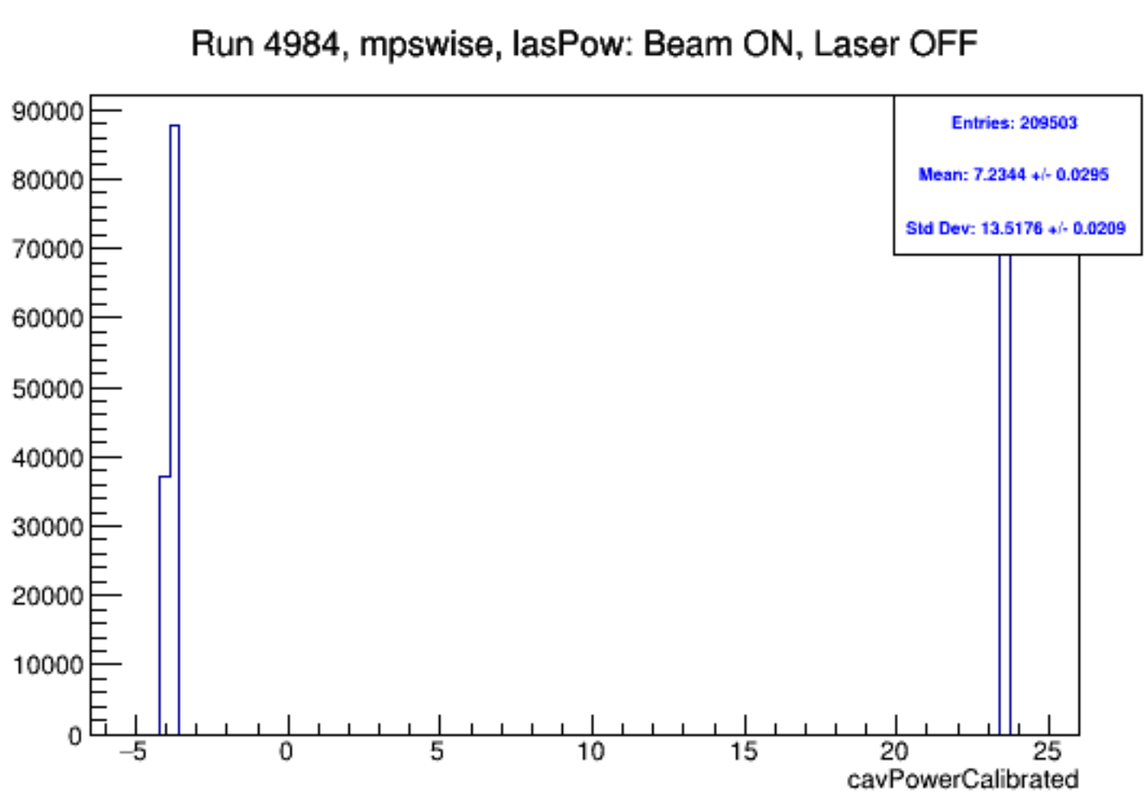

Run 4984, mpswise, BCM: Beam ON, Laser ON
Entries: 155198
Mean: 156.5788 +/- 0.0030
Std Dev: 1.1754 +/- 0.0021
bcm

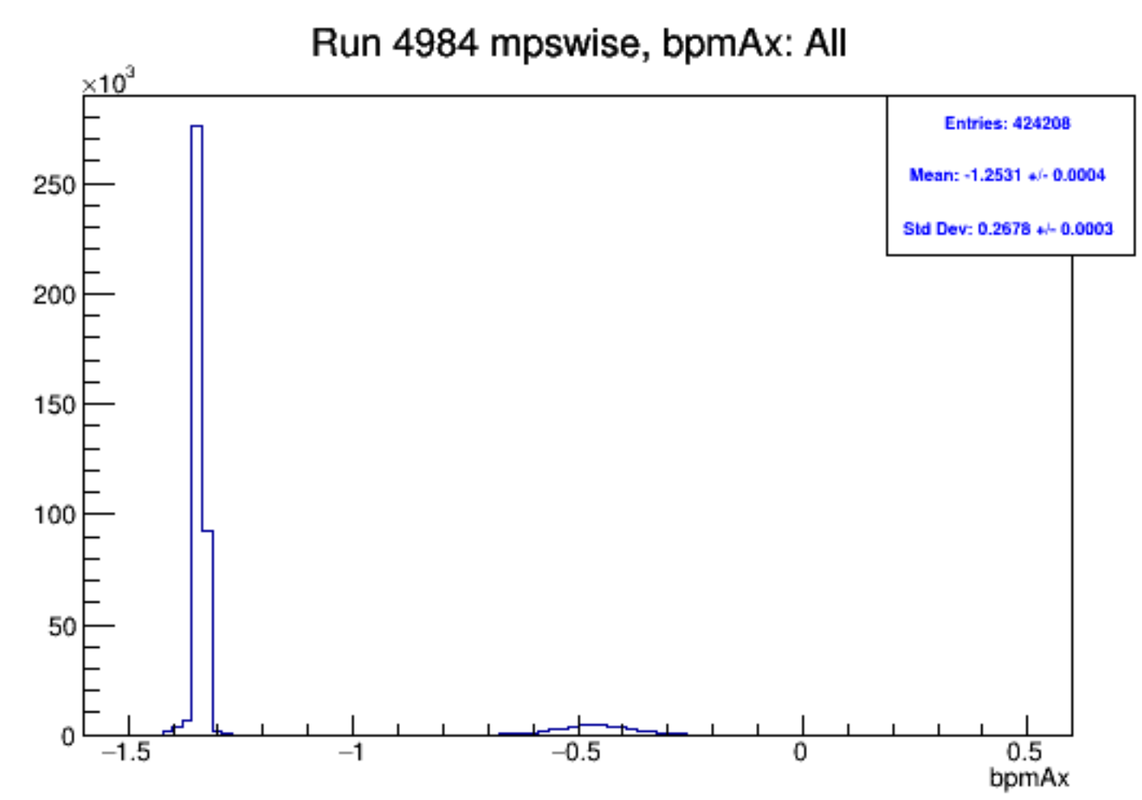

Run 4984, mpswise, BCM: Beam ON, Laser OFF
Entries: 209503
Mean: 156.5413 +/- 0.0034
Std Dev: 1.5363 +/- 0.0024
bcm

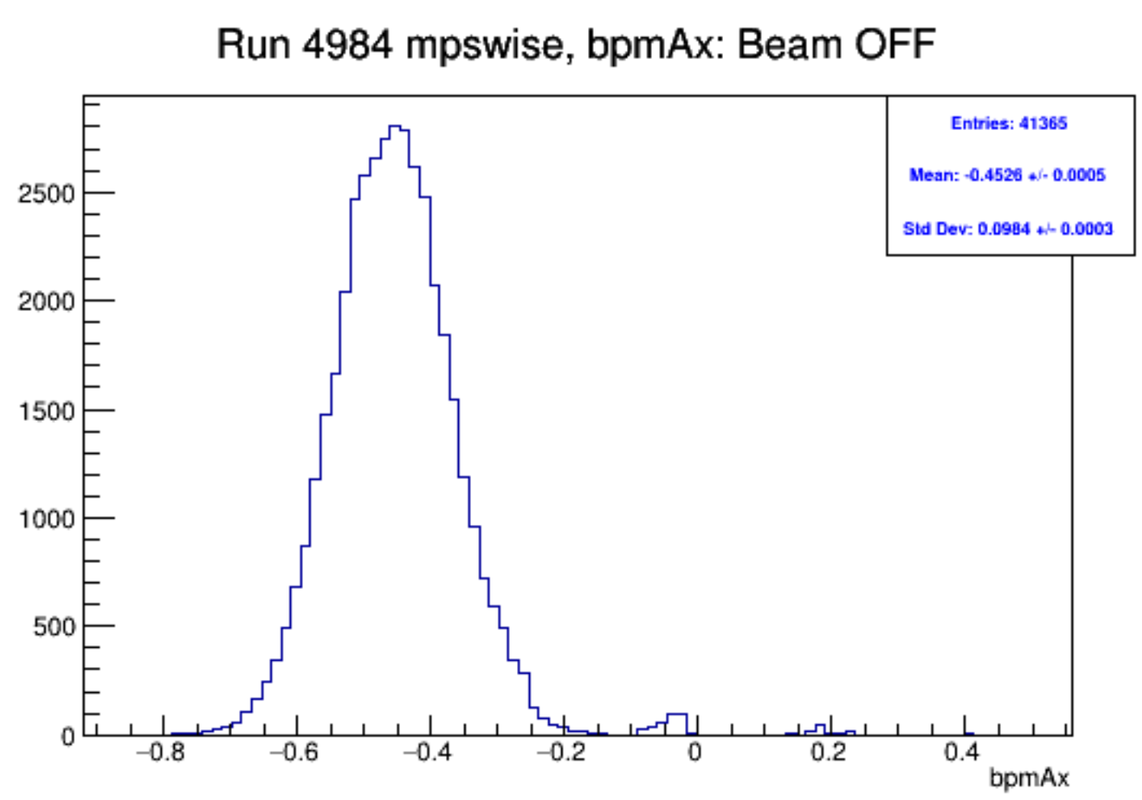

Run 4984 mpswise, lasPow: All
×10^3
Entries: 424208
Mean: 875.6753 +/- 1.5655
Std Dev: 1019.6074 +/- 1.1070
140
120
100
80
60
40
20
0
0
500
1000
1500
2000
cavPowerCalibrated

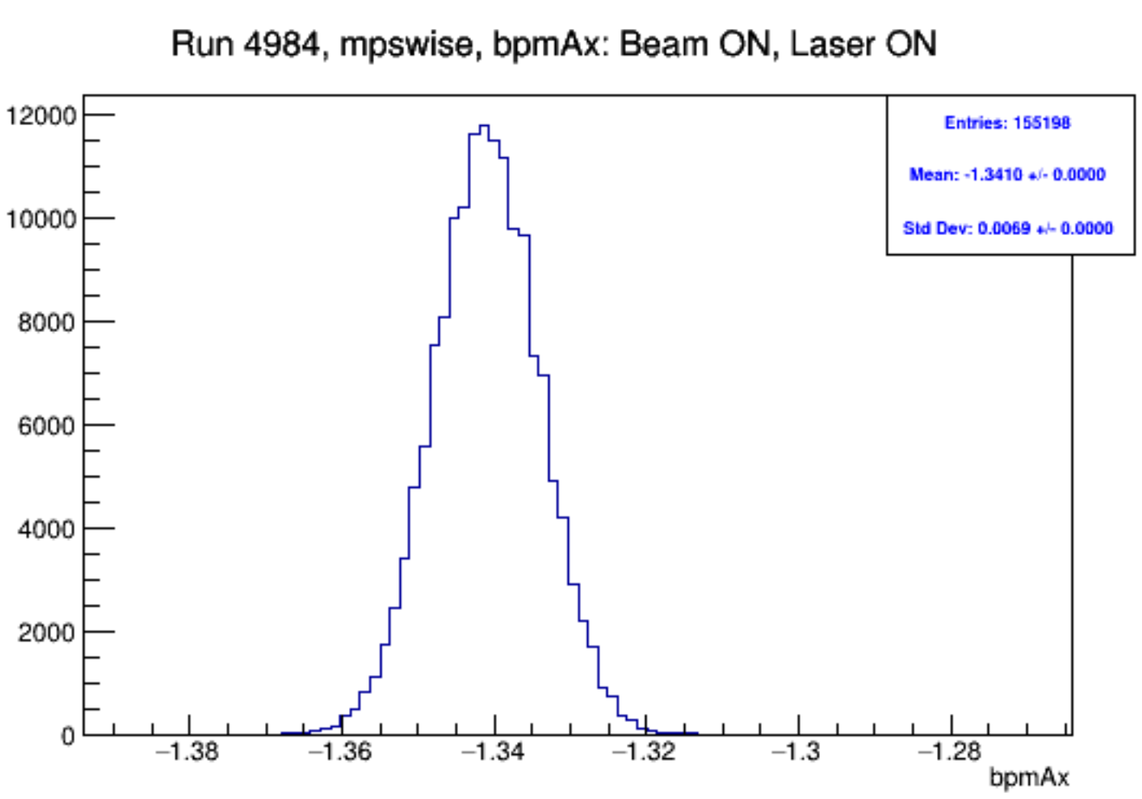

Run 4984 mpswise, lasPow: Beam OFF
Entries: 41365
Mean: 718.6993 +/- 4.8169
Std Dev: 979.6787 +/- 3.4061
16000
14000
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
2000
cavPowerCalibrated

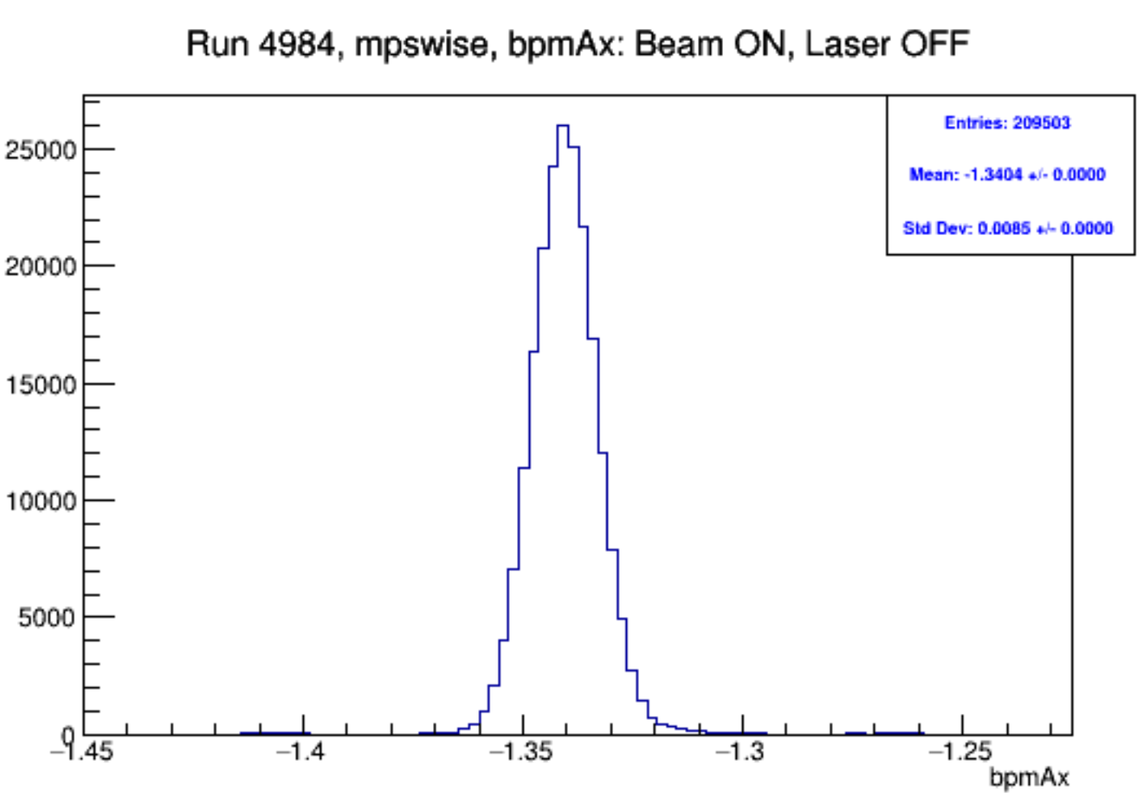

Run 4984, mpswise, lasPow: Beam ON, Laser ON
Entries: 155198
Mean: 2071.6181 +/- 0.1625
Std Dev: 64.0325 +/- 0.1149
50000
40000
30000
20000
10000
0
600
800
1000
1200
1400
1600
1800
2000
2200
cavPowerCalibrated

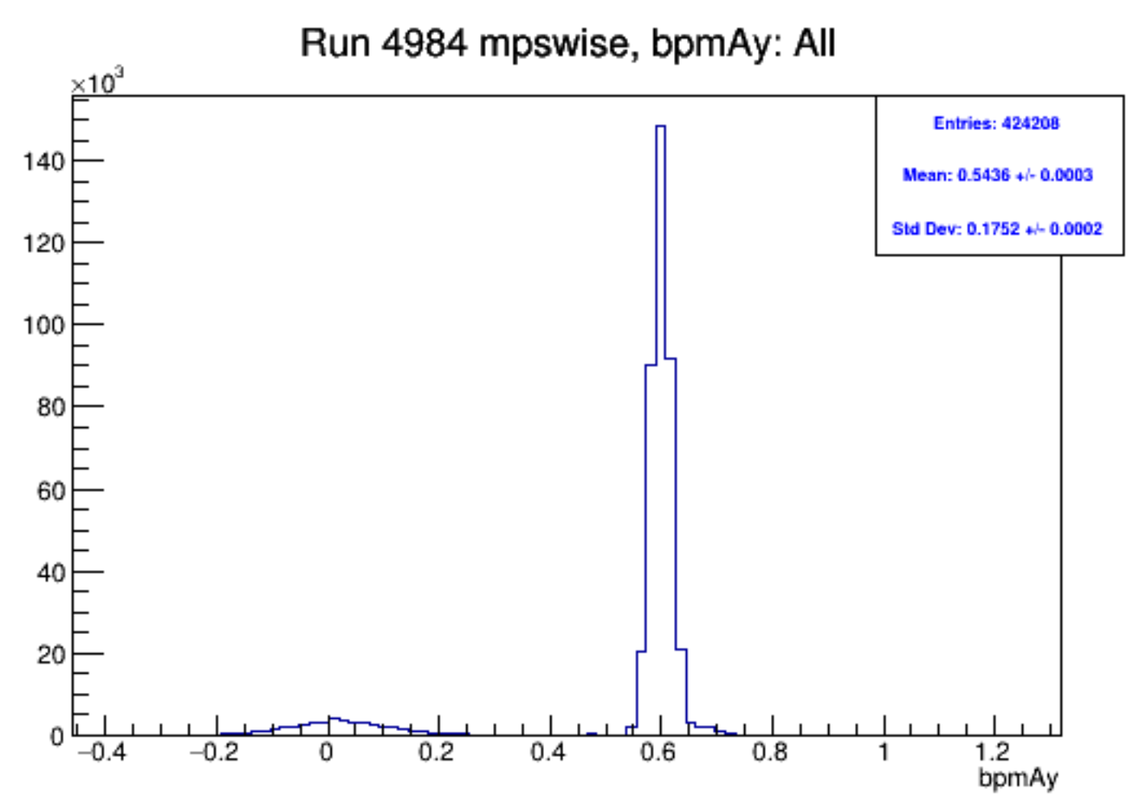

Run 4984, mpswise, lasPow: Beam ON, Laser OFF
Entries: 209503
Mean: 7.2344 +/- 0.0295
Std Dev: 13.5176 +/- 0.0209
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
−5
0
5
10
15
20
25
cavPowerCalibrated

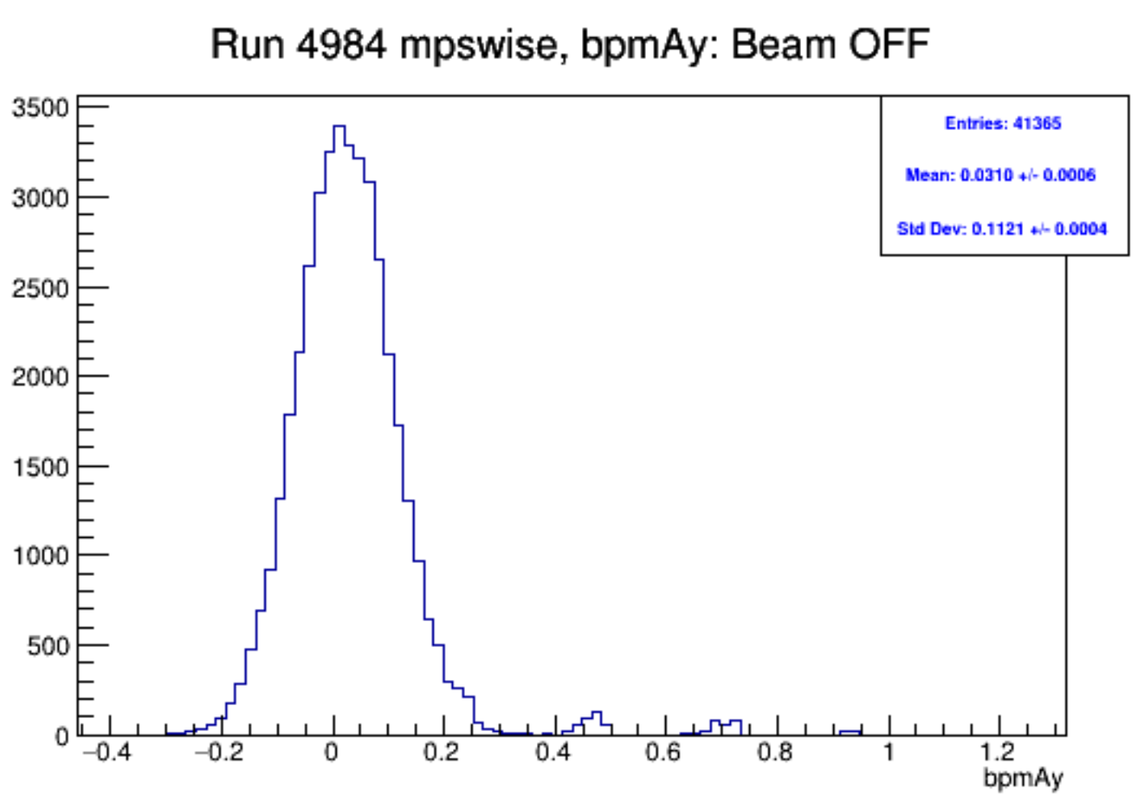

Run 4984 mpswise, bpmAx: All
×10^3
Entries: 424208
Mean: -1.2531 +/- 0.0004
Std Dev: 0.2678 +/- 0.0003
250
200
150
100
50
0
−1.5
−1
−0.5
0
0.5
bpmAx

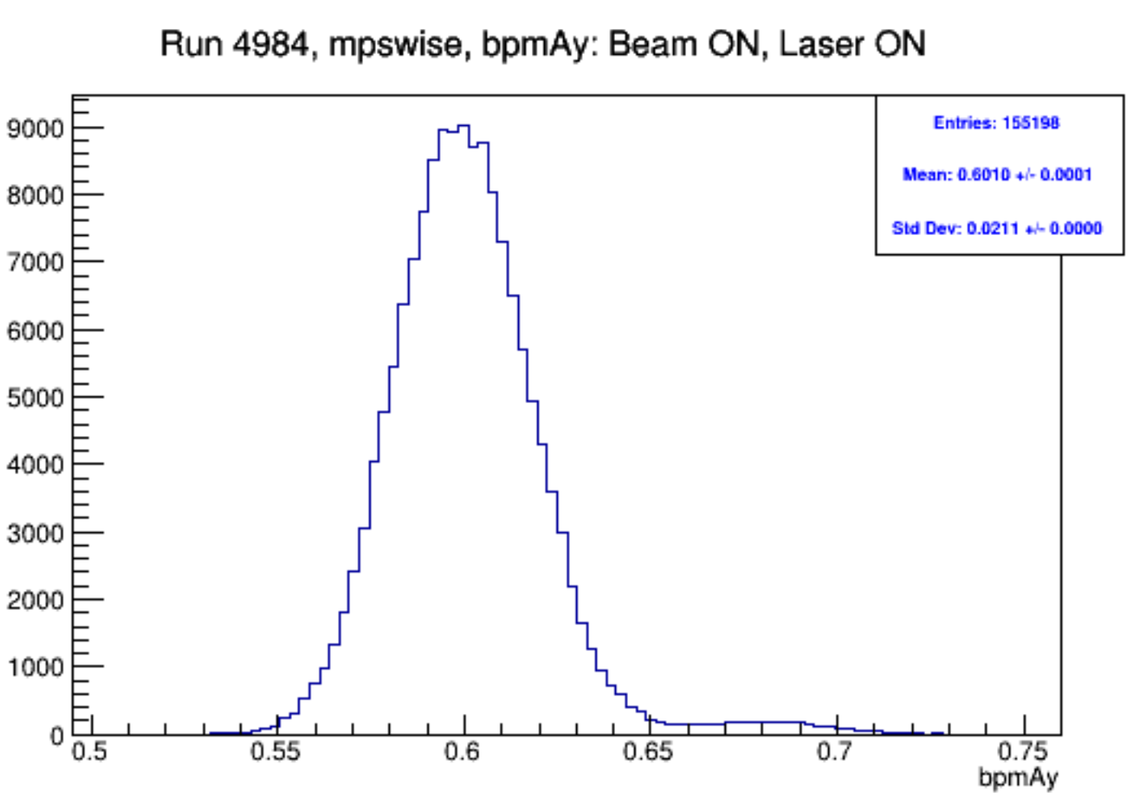

Run 4984 mpswise, bpmAx: Beam OFF
Entries: 41365
Mean: -0.4526 +/- 0.0005
Std Dev: 0.0984 +/- 0.0003
2500
2000
1500
1000
500
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
bpmAx

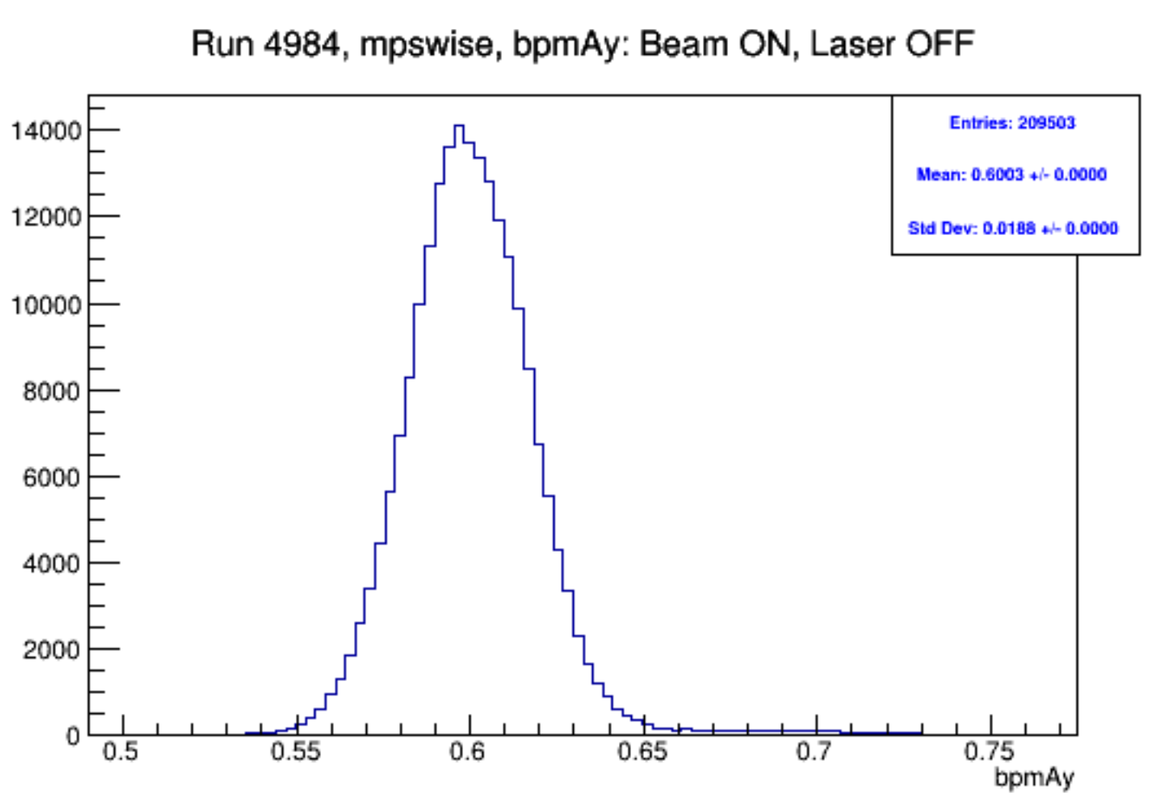

Run 4984, mpswise, bpmAx: Beam ON, Laser ON
Entries: 155198
Mean: -1.3410 +/- 0.0000
Std Dev: 0.0069 +/- 0.0000
12000
10000
8000
6000
4000
2000
0
−1.38
−1.36
−1.34
−1.32
−1.3
−1.28
bpmAx

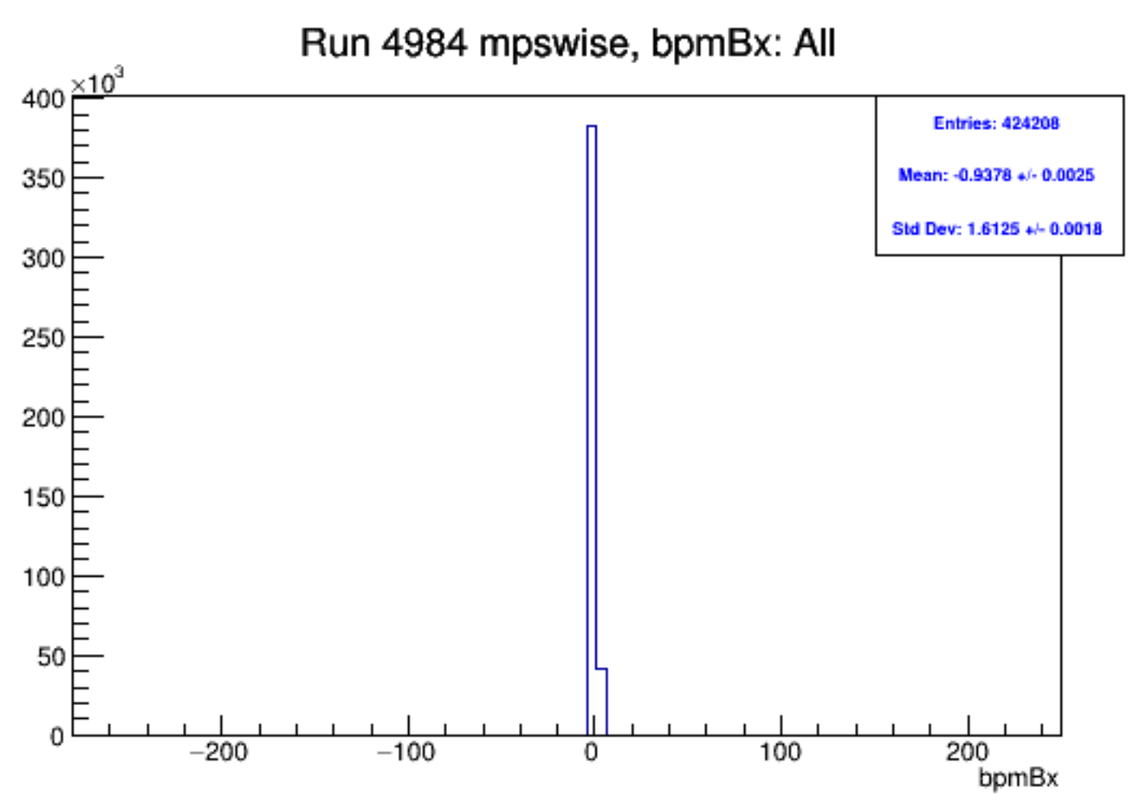

Run 4984, mpswise, bpmAx: Beam ON, Laser OFF
Entries: 209503
Mean: -1.3404 +/- 0.0000
Std Dev: 0.0085 +/- 0.0000
25000
20000
15000
10000
5000
0
−1.45
−1.4
−1.35
−1.3
−1.25
bpmAx

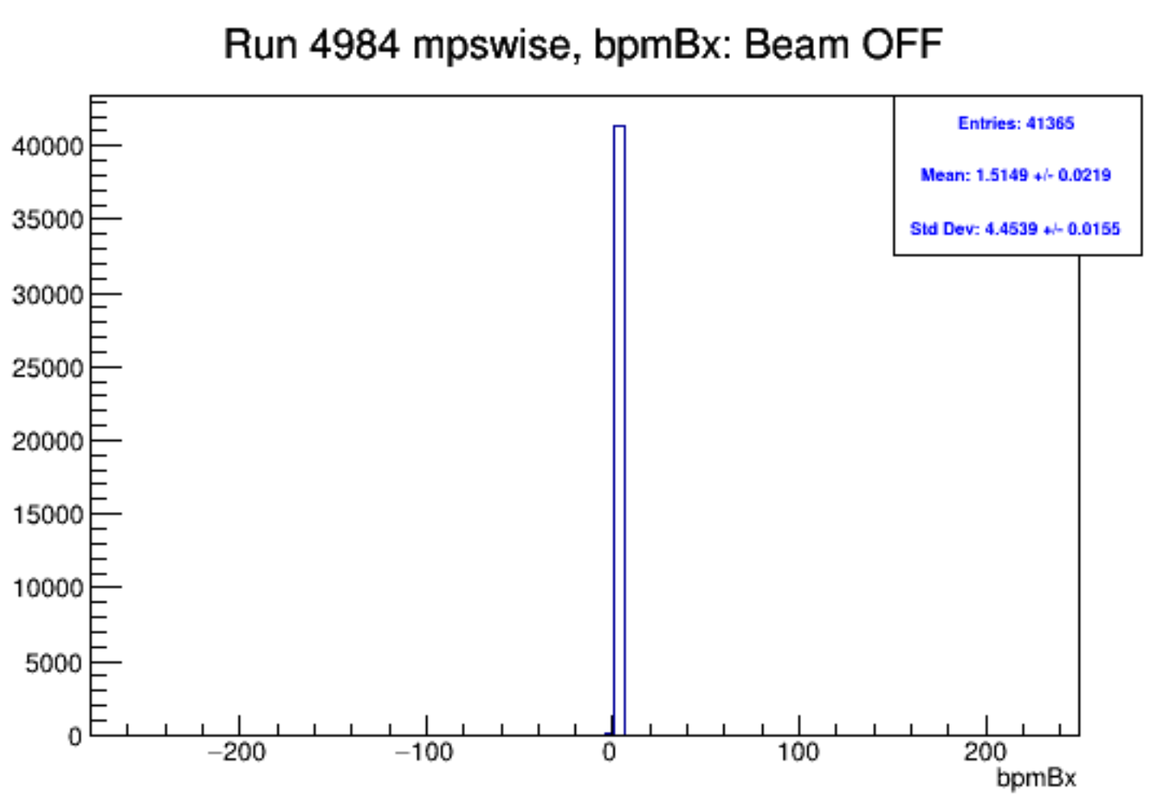

Run 4984 mpswise, bpmAy: All
×10^3
Entries: 424208
Mean: 0.5436 +/- 0.0003
Std Dev: 0.1752 +/- 0.0002
bpmAy

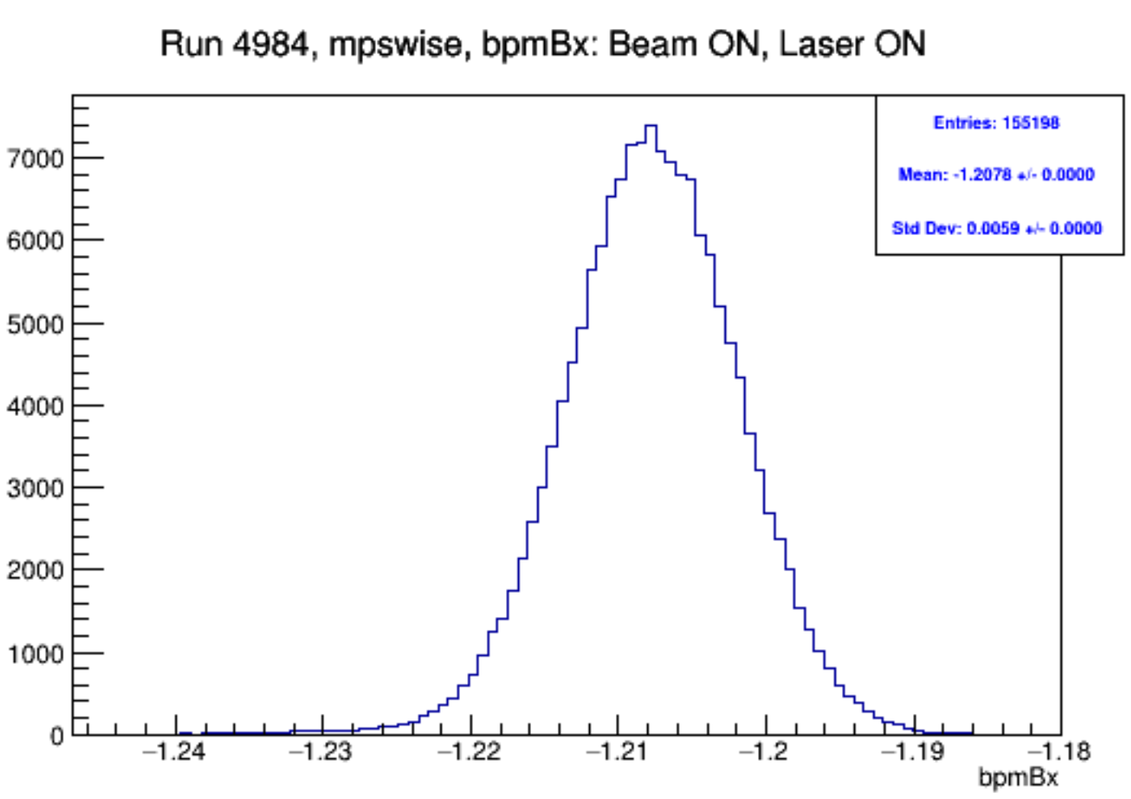

Run 4984 mpswise, bpmAy: Beam OFF
Entries: 41365
Mean: 0.0310 +/- 0.0006
Std Dev: 0.1121 +/- 0.0004
bpmAy

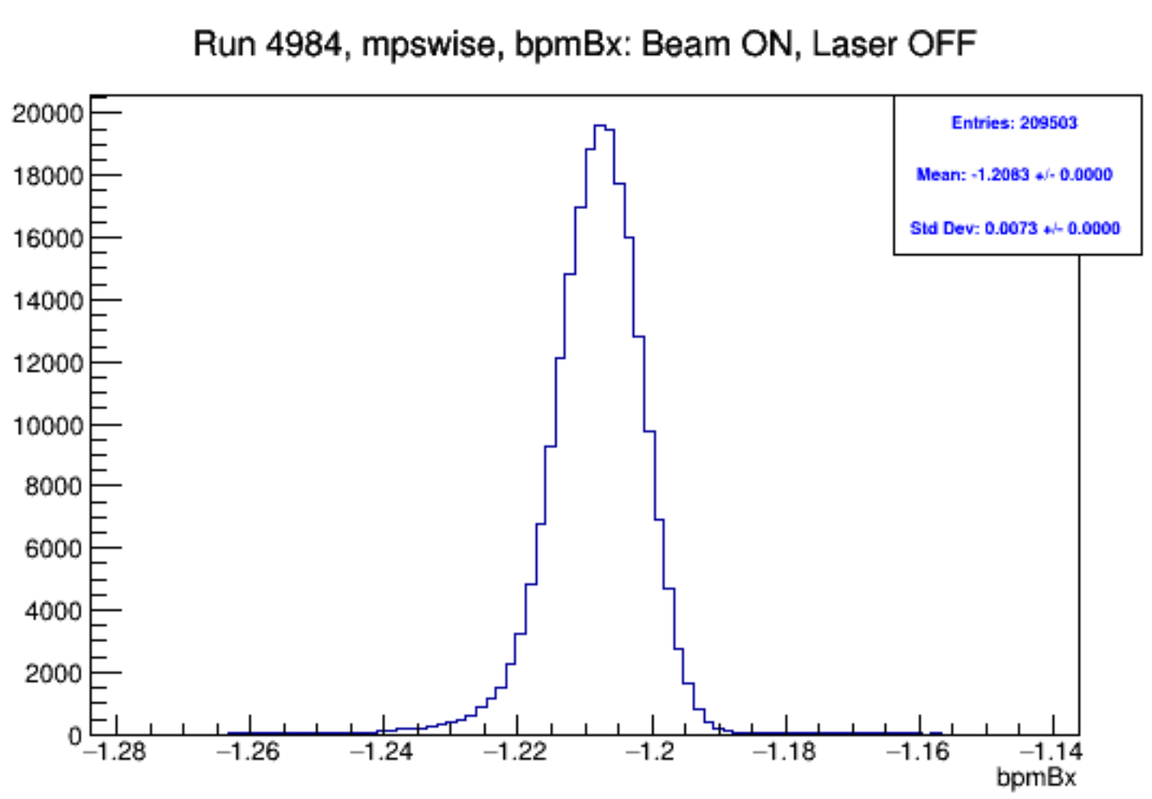

Run 4984, mpswise, bpmAy: Beam ON, Laser ON
Entries: 155198
Mean: 0.6010 +/- 0.0001
Std Dev: 0.0211 +/- 0.0000
bpmAy

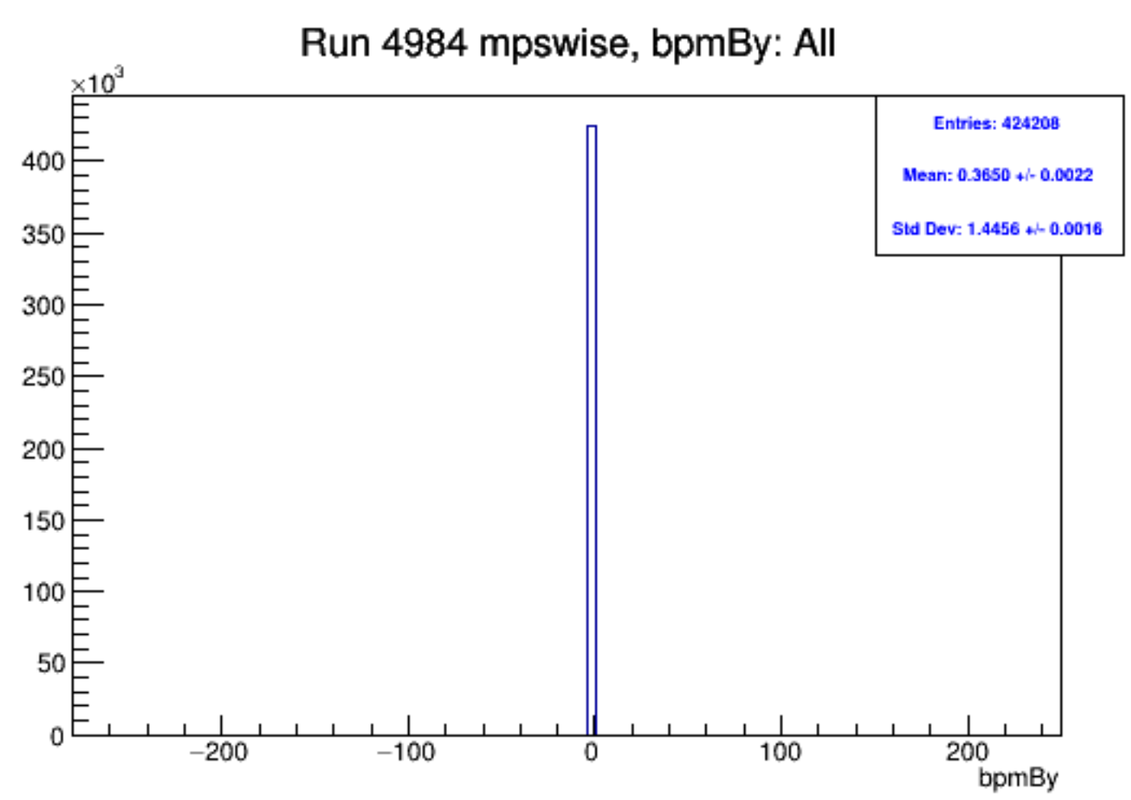

Run 4984, mpswise, bpmAy: Beam ON, Laser OFF
Entries: 209503
Mean: 0.6003 +/- 0.0000
Std Dev: 0.0188 +/- 0.0000
bpmAy

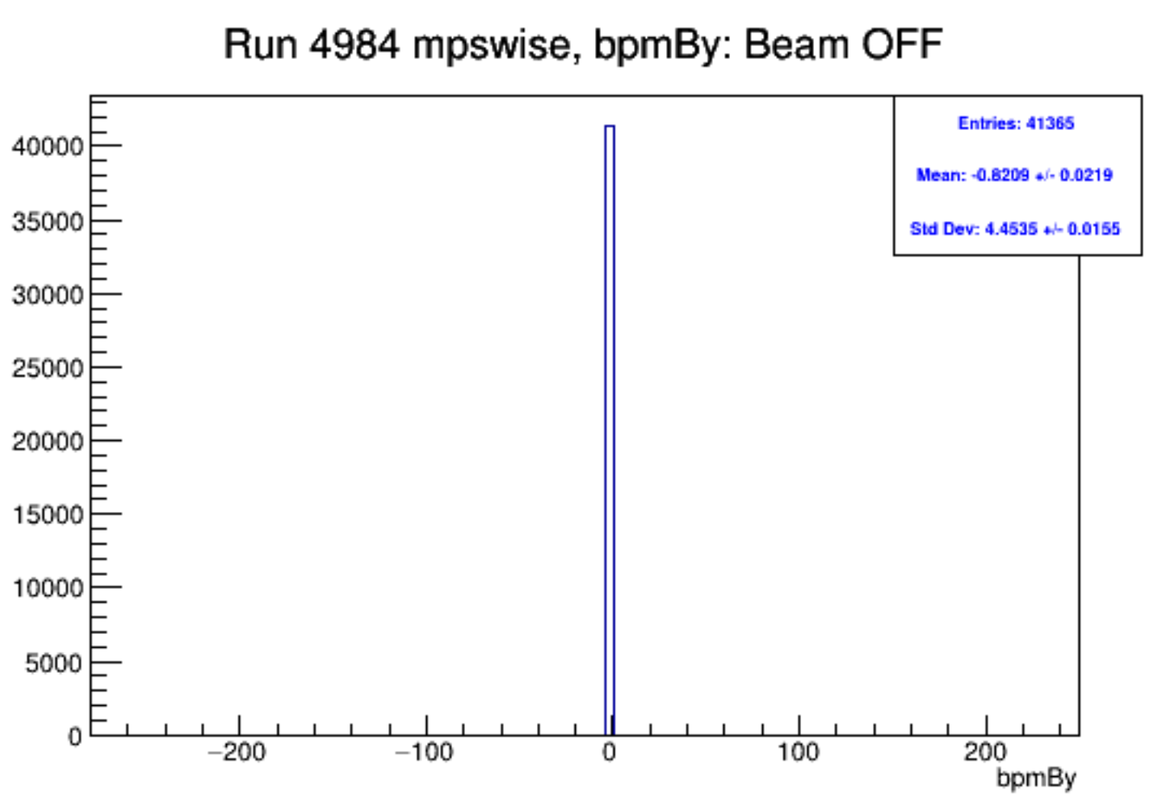

Run 4984 mpswise, bpmBx: All
×10^3
Entries: 424208
Mean: -0.9378 +/- 0.0025
Std Dev: 1.6125 +/- 0.0018
bpmBx

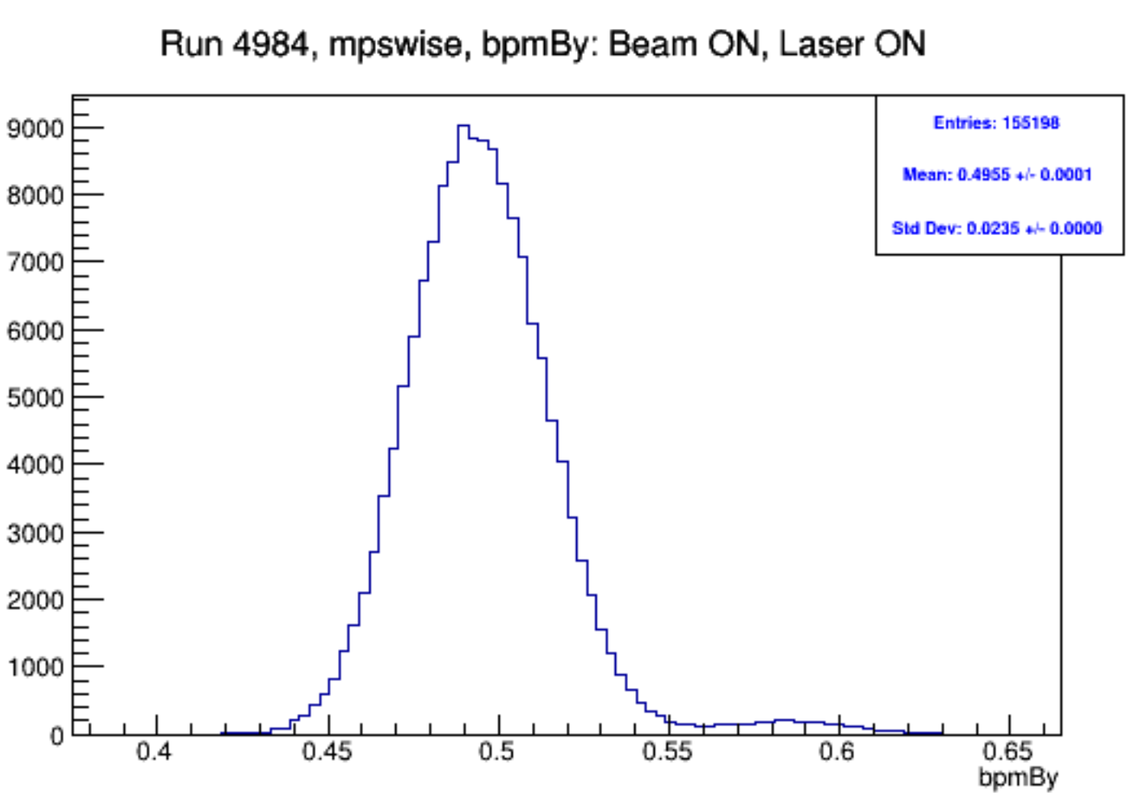

Run 4984 mpswise, bpmBx: Beam OFF
Entries: 41365
Mean: 1.5149 +/- 0.0219
Std Dev: 4.4539 +/- 0.0155
bpmBx

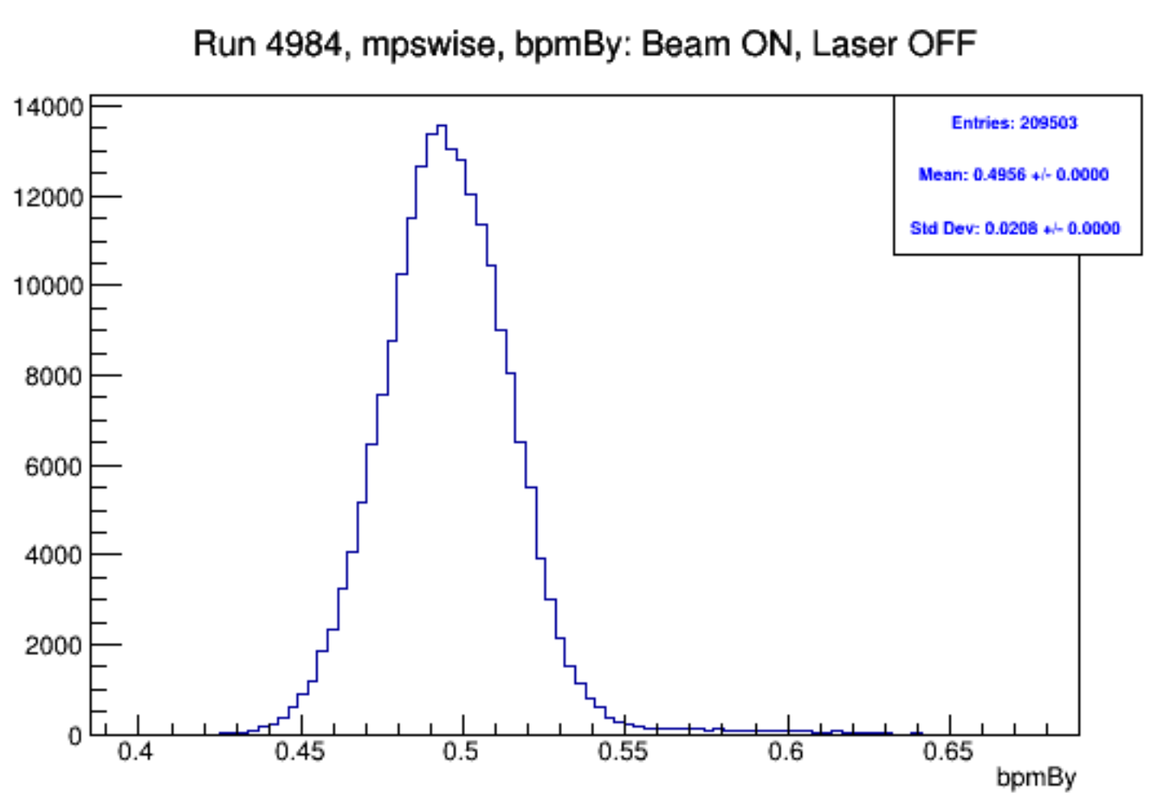

Run 4984, mpswise, bpmBx: Beam ON, Laser ON
Entries: 155198
Mean: -1.2078 +/- 0.0000
Std Dev: 0.0059 +/- 0.0000
bpmBx


Run 4984, mpswise, bpmBx: Beam ON, Laser OFF
Entries: 209503
Mean: -1.2083 +/- 0.0000
Std Dev: 0.0073 +/- 0.0000
bpmBx

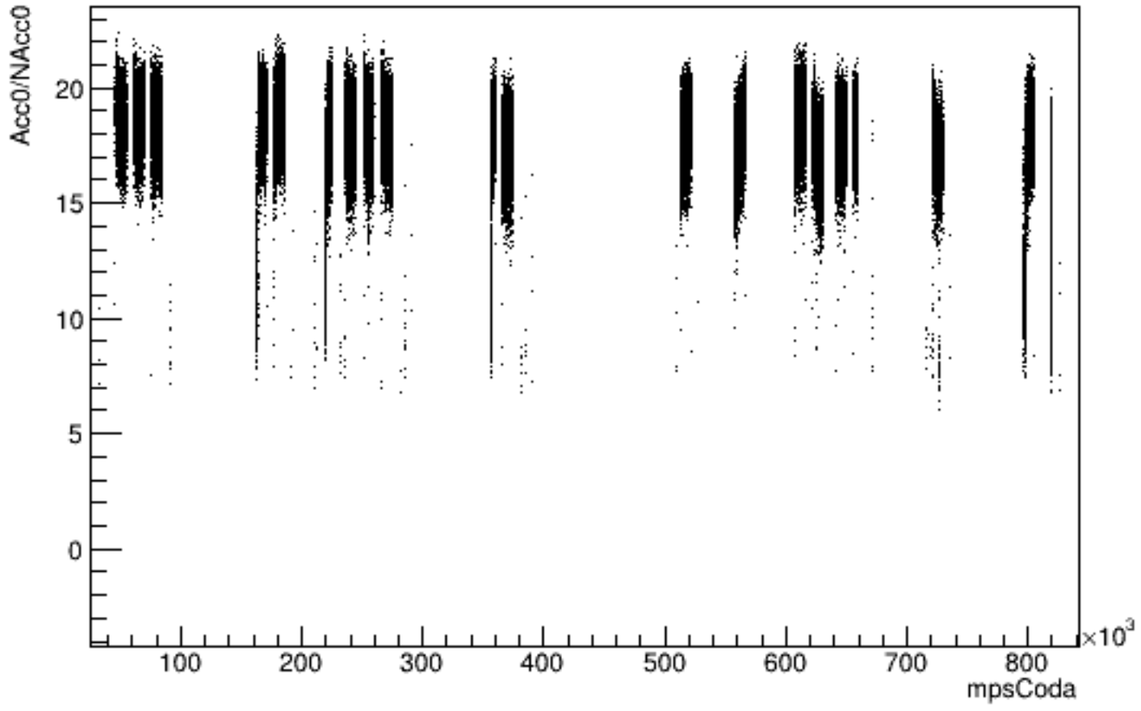

Run 4984 mpswise, bpmBy: All
×10^3
Entries: 424208
Mean: 0.3650 +/- 0.0022
Std Dev: 1.4456 +/- 0.0016
400
350
300
250
200
150
100
50
0
−200
−100
0
100
200
bpmBy


Run 4984 mpswise, bpmBy: Beam OFF
Entries: 41365
Mean: -0.8209 +/- 0.0219
Std Dev: 4.4535 +/- 0.0155
40000
35000
30000
25000
20000
15000
10000
5000
0
−200
−100
0
100
200
bpmBy

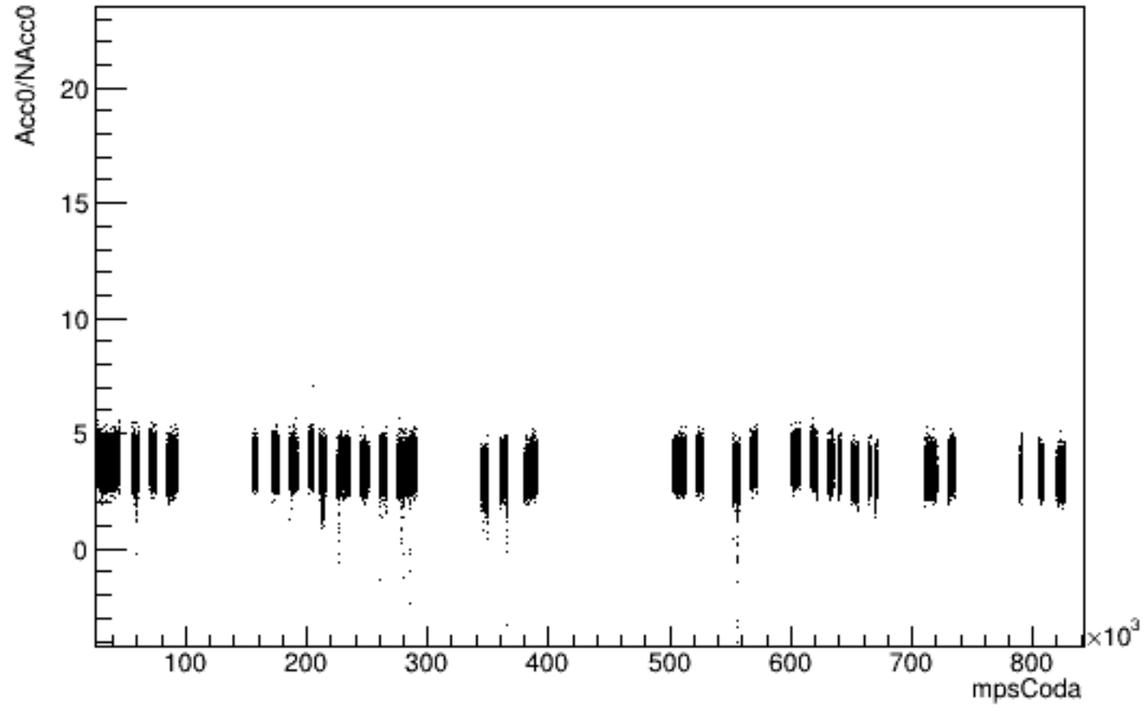

Run 4984, mpswise, bpmBy: Beam ON, Laser ON
Entries: 155198
Mean: 0.4955 +/- 0.0001
Std Dev: 0.0235 +/- 0.0000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0.4
0.45
0.5
0.55
0.6
0.65
bpmBy


Run 4984, mpswise, bpmBy: Beam ON, Laser OFF
Entries: 209503
Mean: 0.4956 +/- 0.0000
Std Dev: 0.0208 +/- 0.0000
14000
12000
10000
8000
6000
4000
2000
0
0.4
0.45
0.5
0.55
0.6
0.65
bpmBy

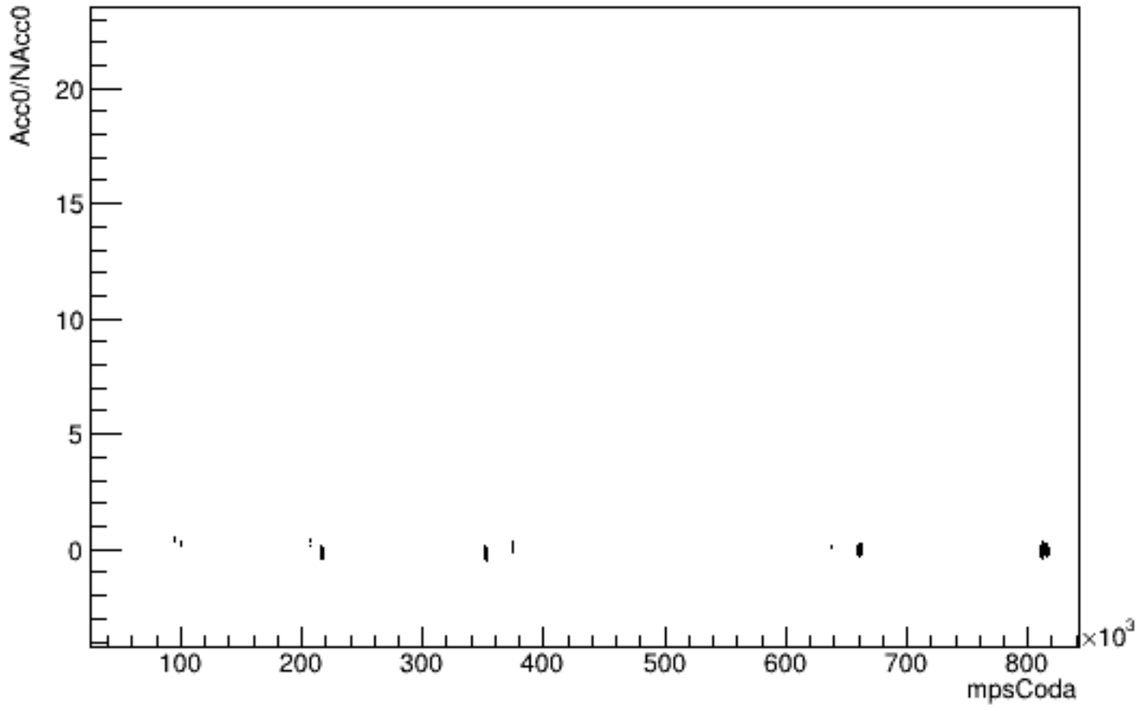
Run 4984 mpswise, beam ON, laser ON



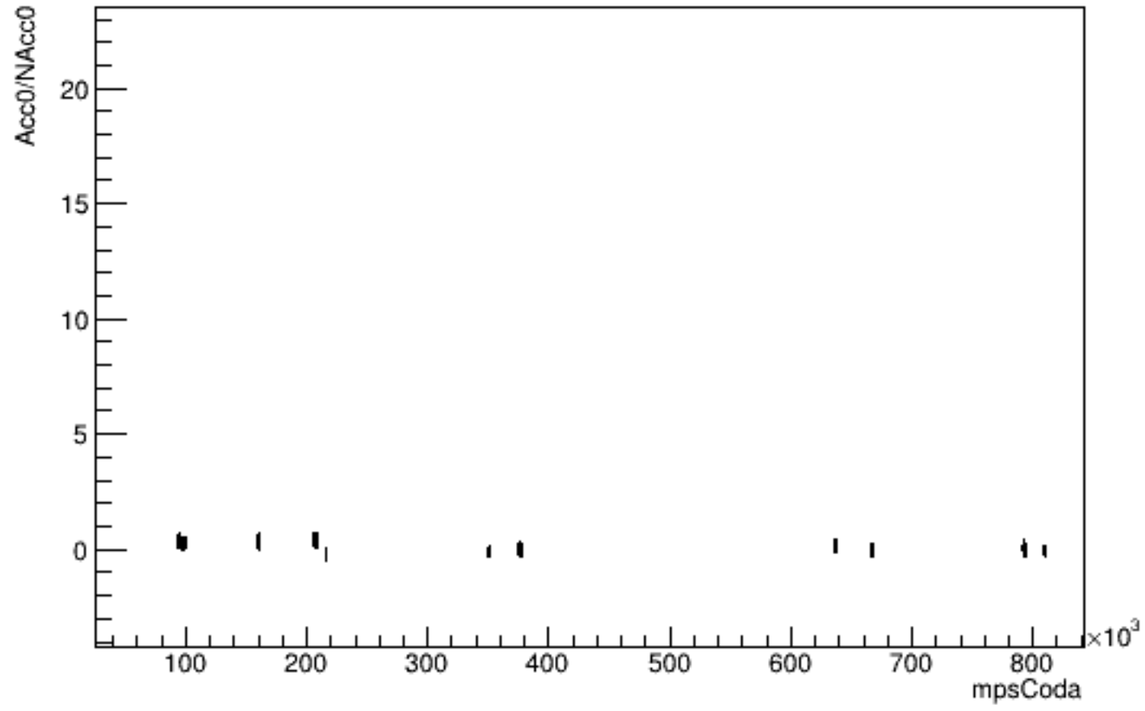
Run 4984 mpswise, beam ON, laser OFF



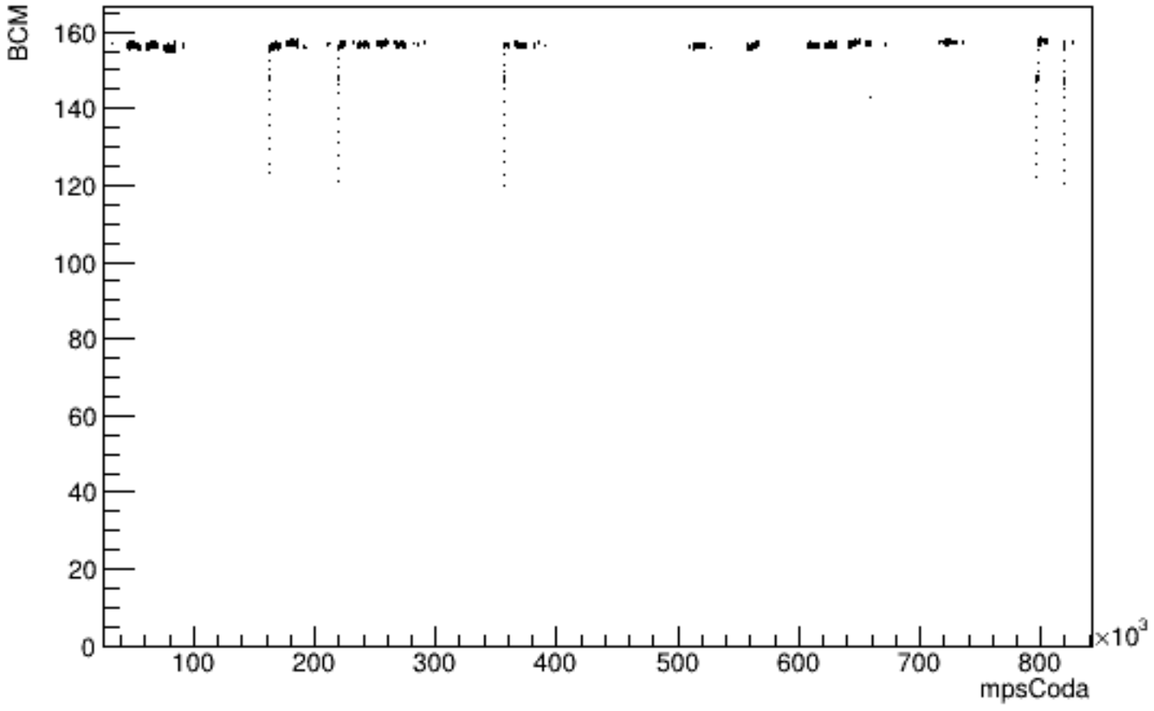
Run 4984 mpswise, beam OFF, laser ON



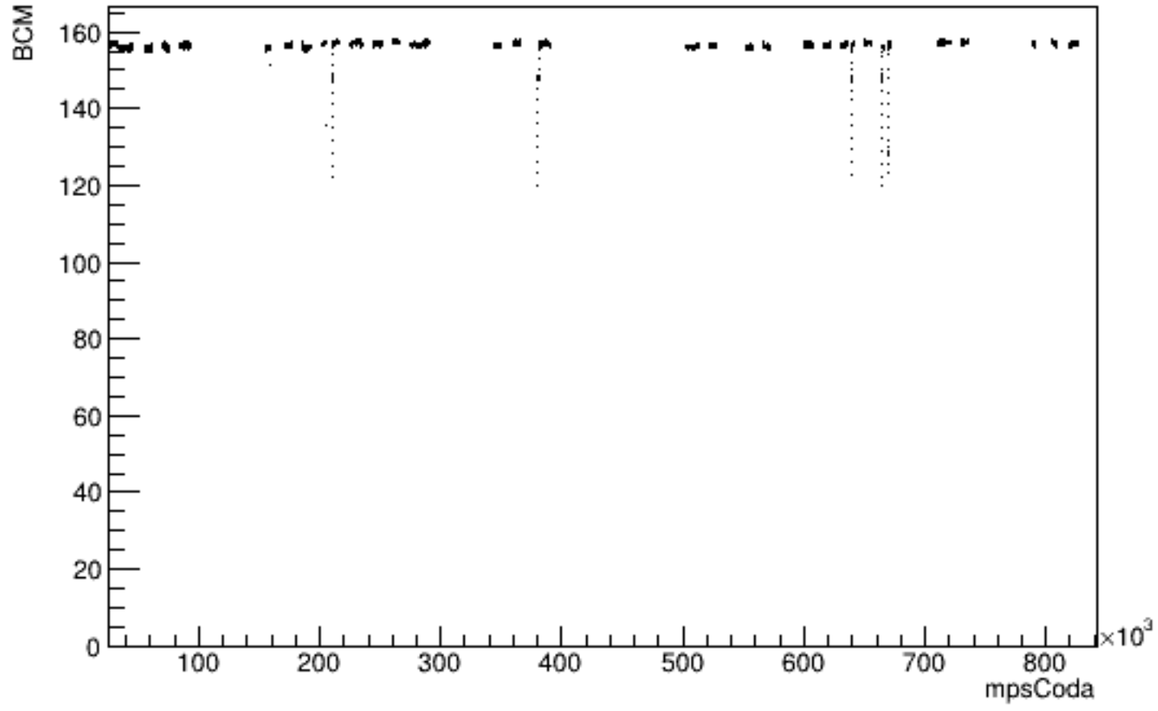
Run 4984 mpswise, beam OFF, laser OFF



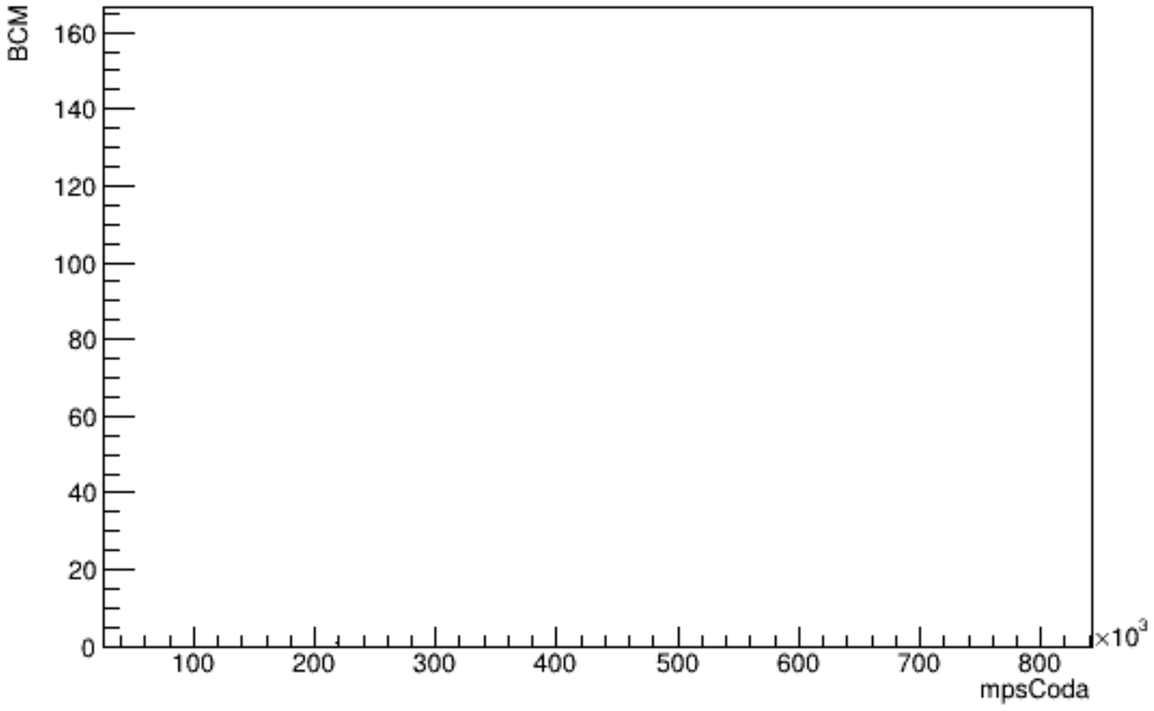
Run 4984 mpswise, beam ON, laser ON



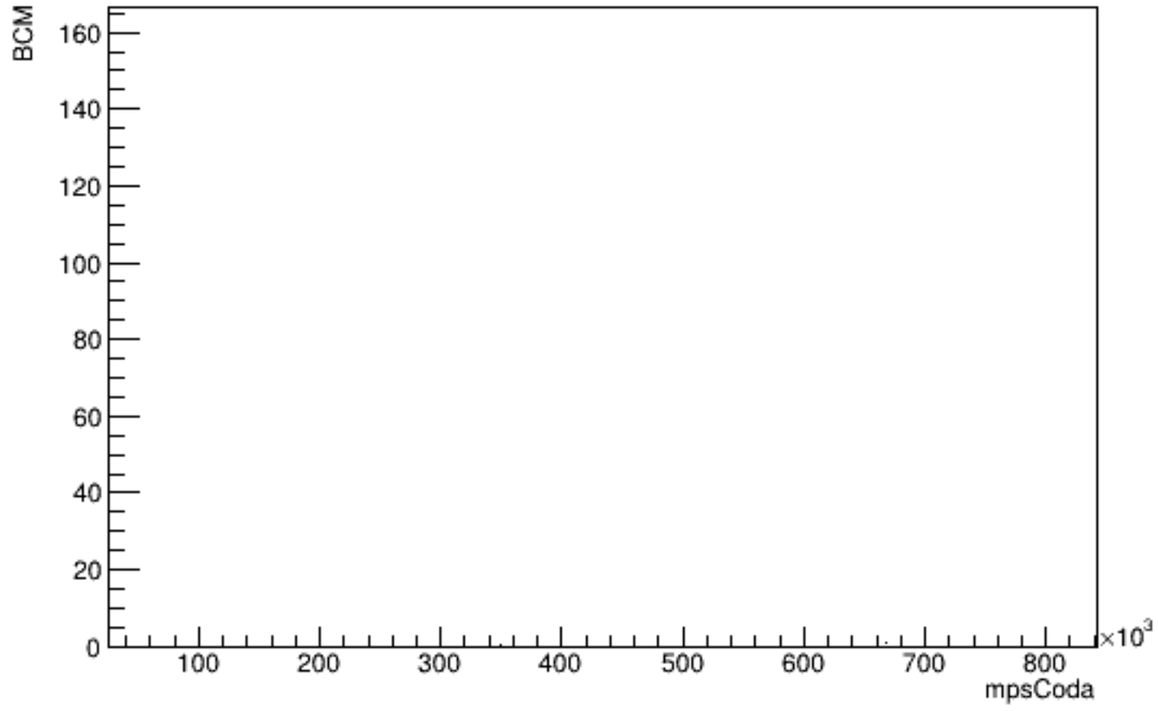
Run 4984 mpswise, beam ON, laser OFF

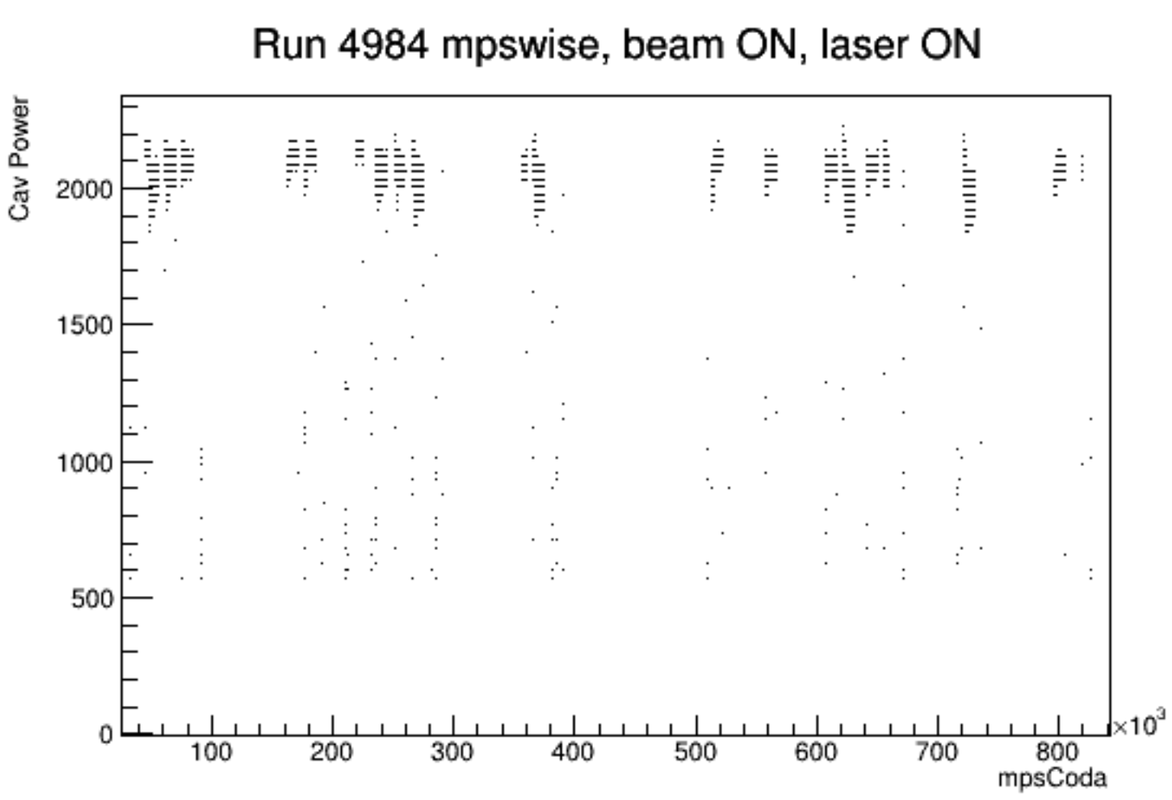


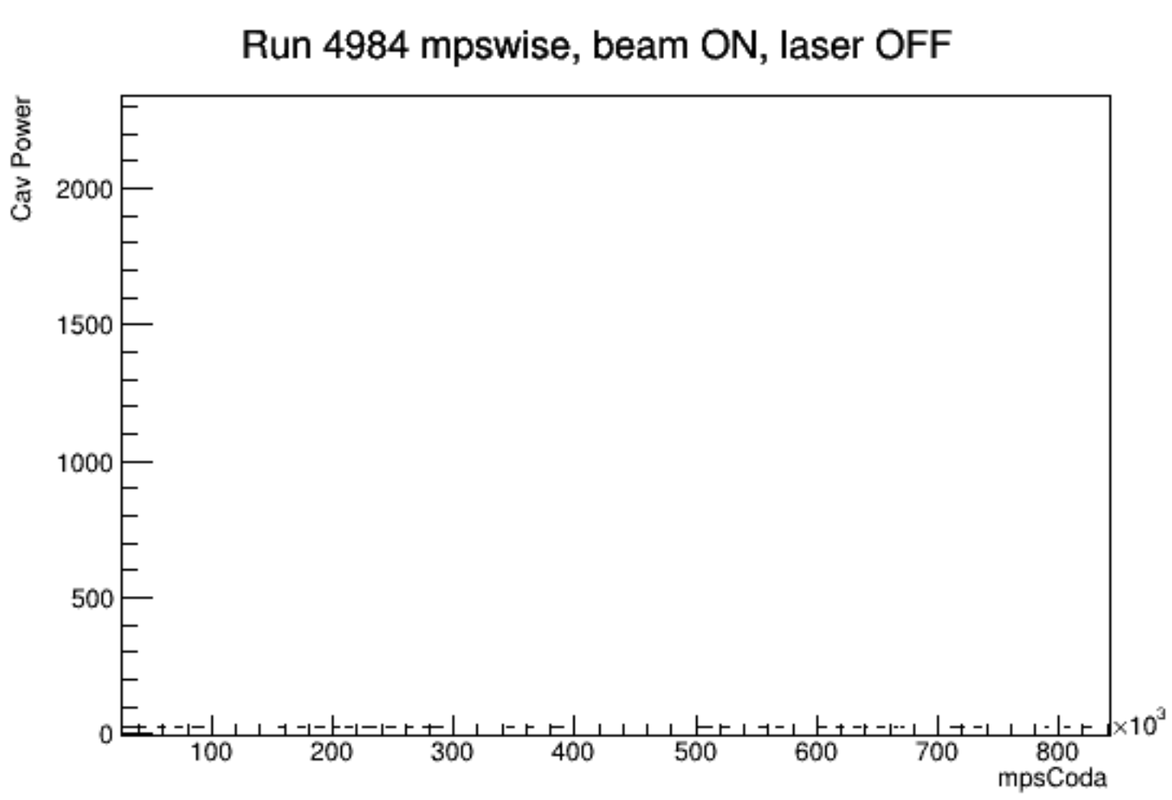
Run 4984 mpswise, beam OFF, laser ON

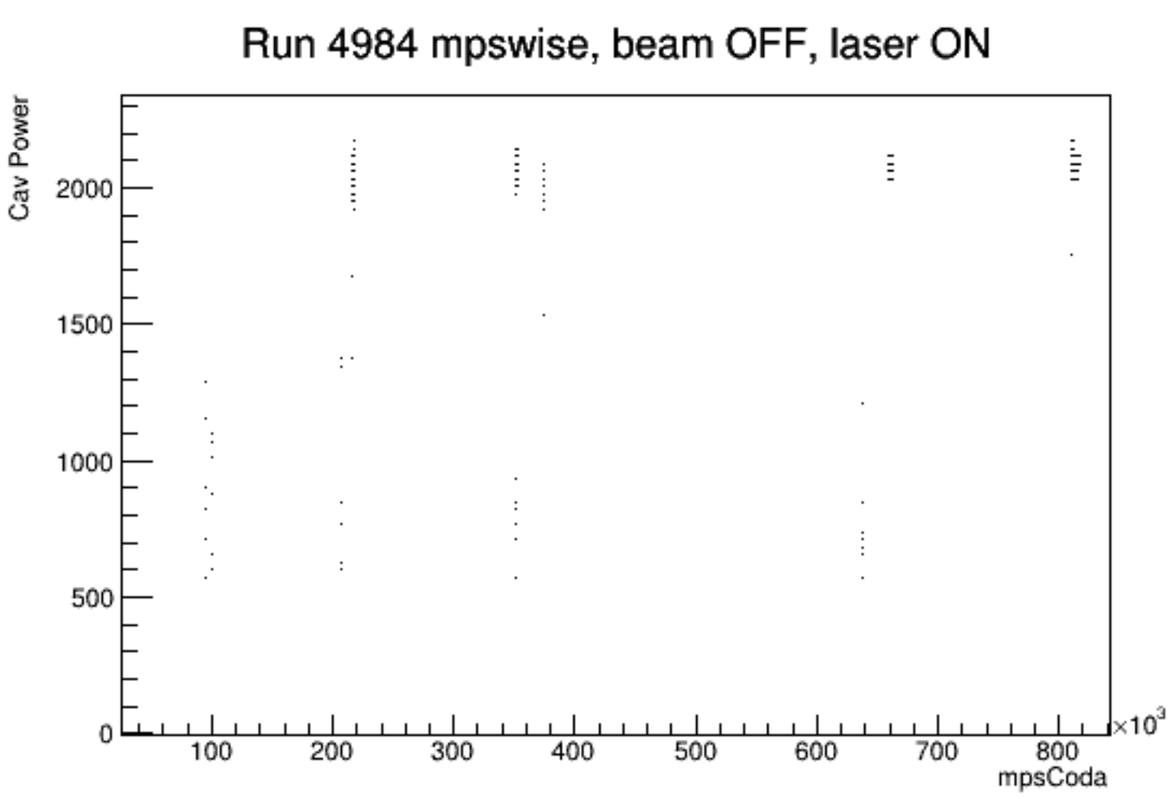


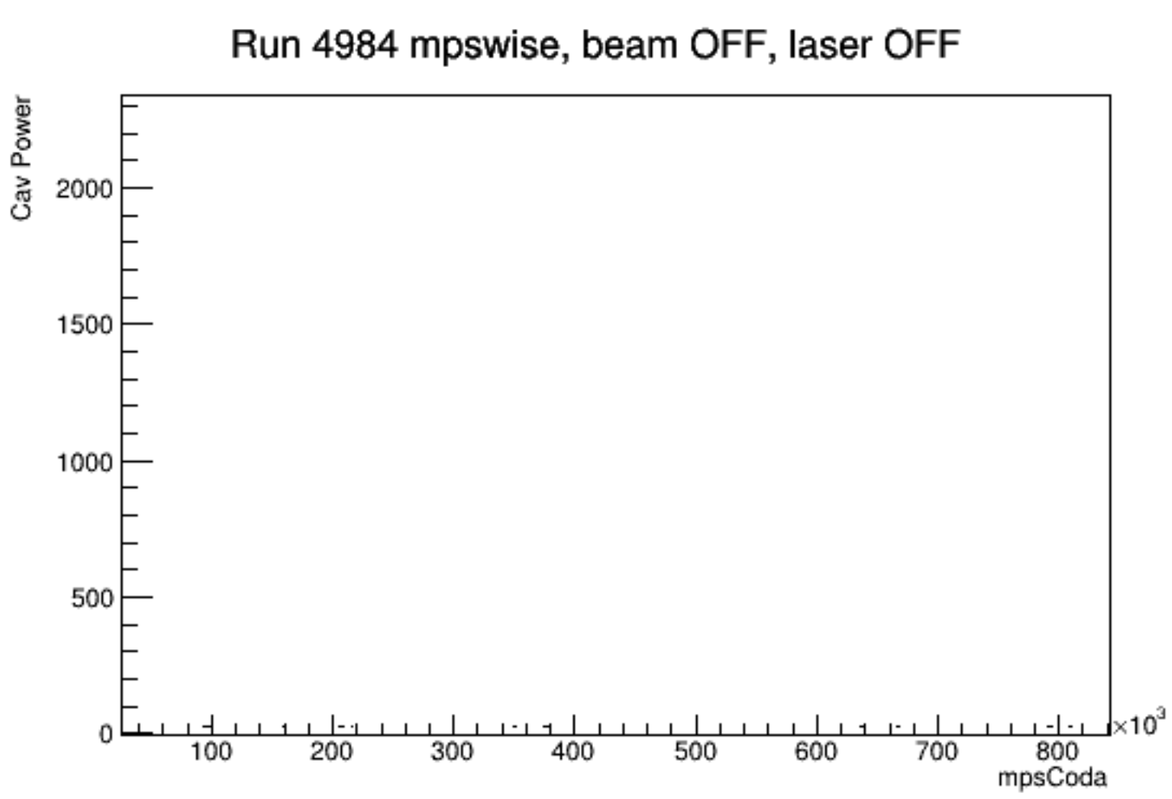
Run 4984 mpswise, beam OFF, laser OFF



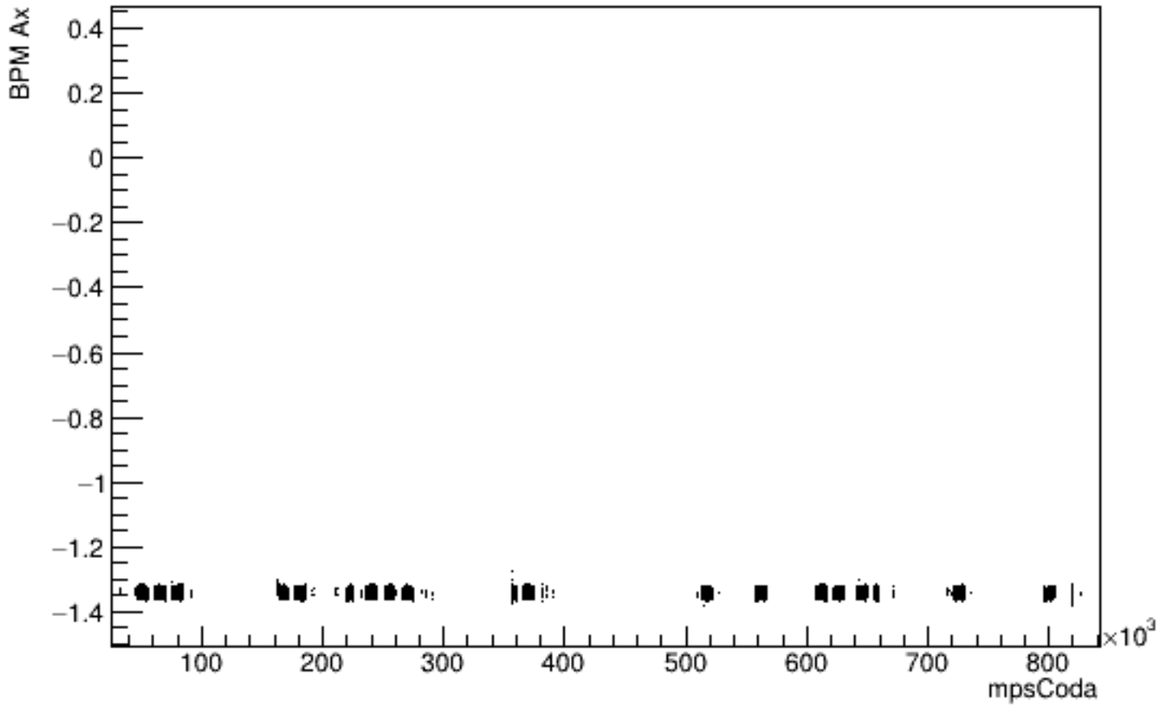

Run 4984 mpswise, beam ON, laser ON
Cav Power
2000
1500
1000
500
0
100
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 4984 mpswise, beam ON, laser OFF
Cav Power
2000
1500
1000
500
0
100
200
300
400
500
600
700
800
×10^3
mpsCoda

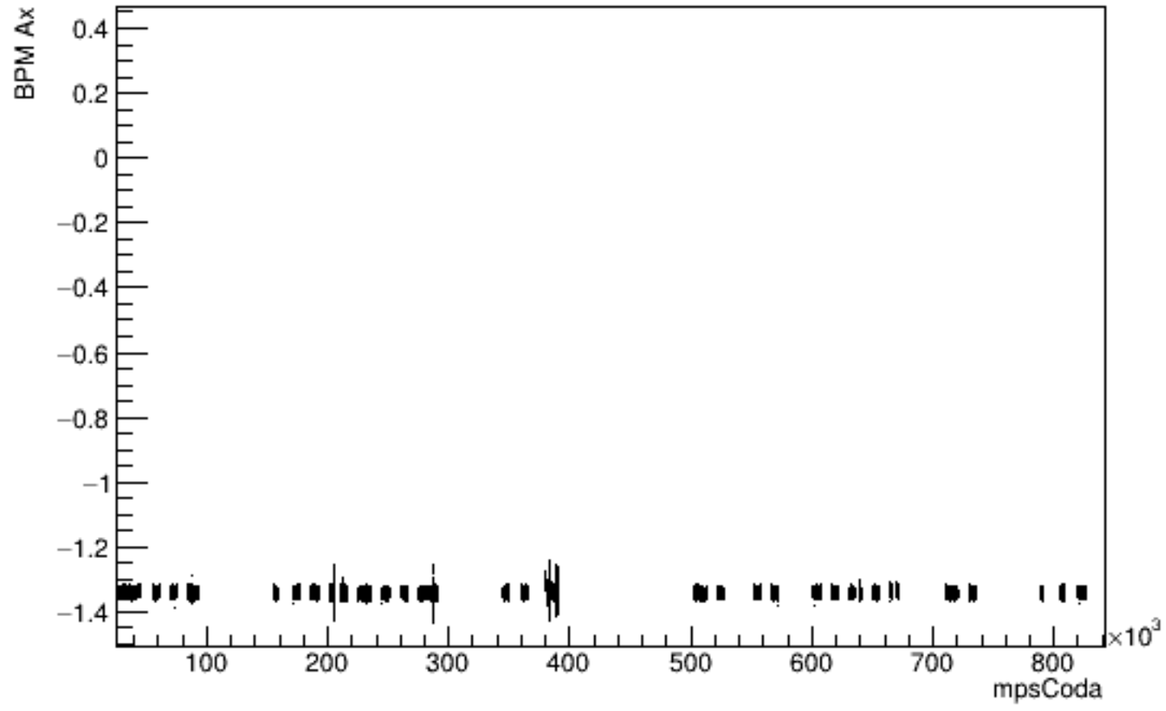

Run 4984 mpswise, beam OFF, laser ON
Cav Power
2000
1500
1000
500
0
100
200
300
400
500
600
700
800
×10^3
mpsCoda


Run 4984 mpswise, beam OFF, laser OFF
Cav Power
2000
1500
1000
500
0
100
200
300
400
500
600
700
800
×10^3
mpsCoda

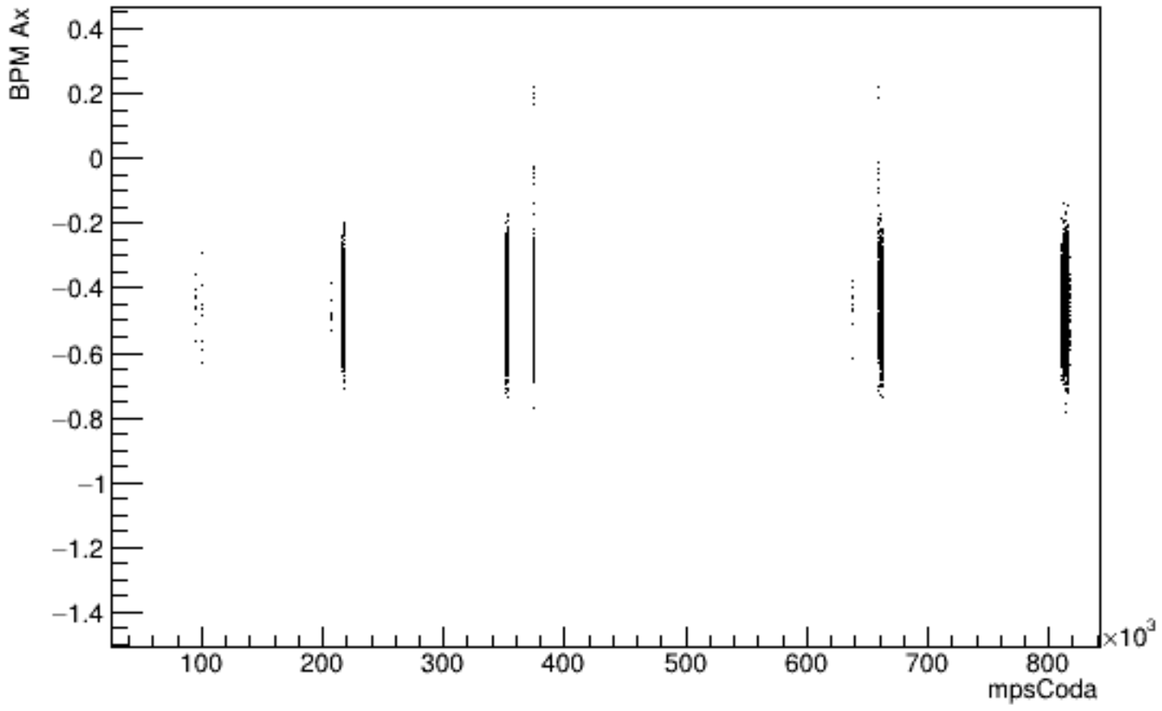
Run 4984 mpswise, beam ON, laser ON



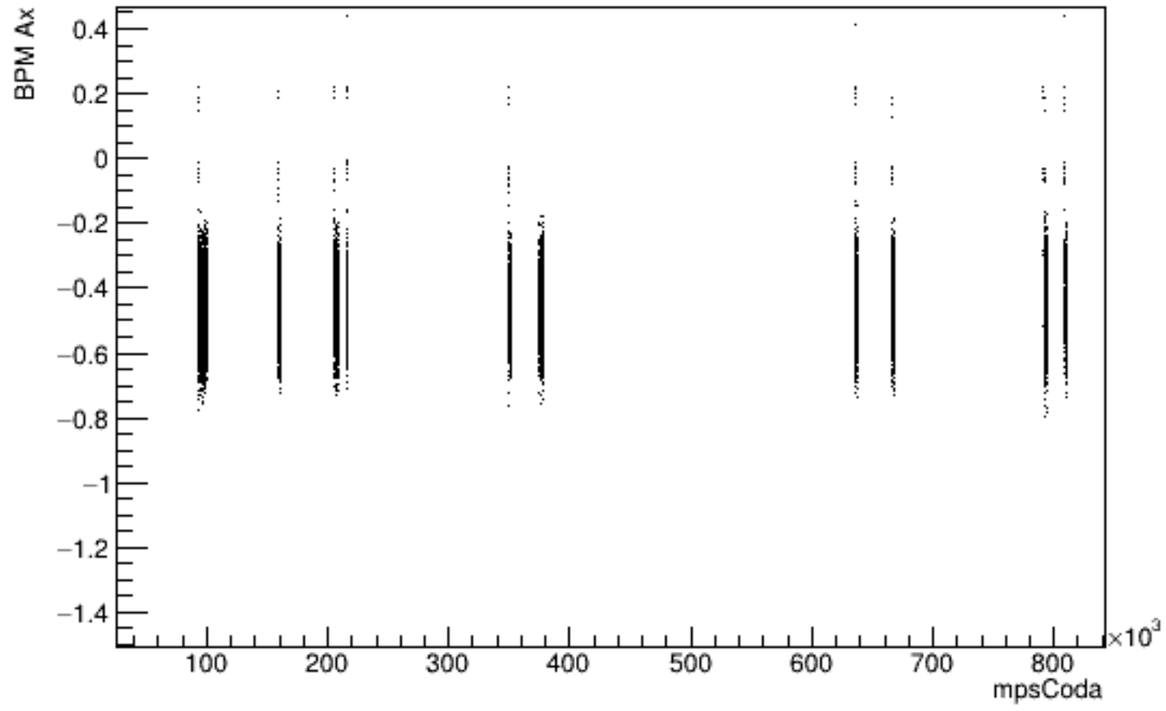
Run 4984 mpswise, beam ON, laser OFF



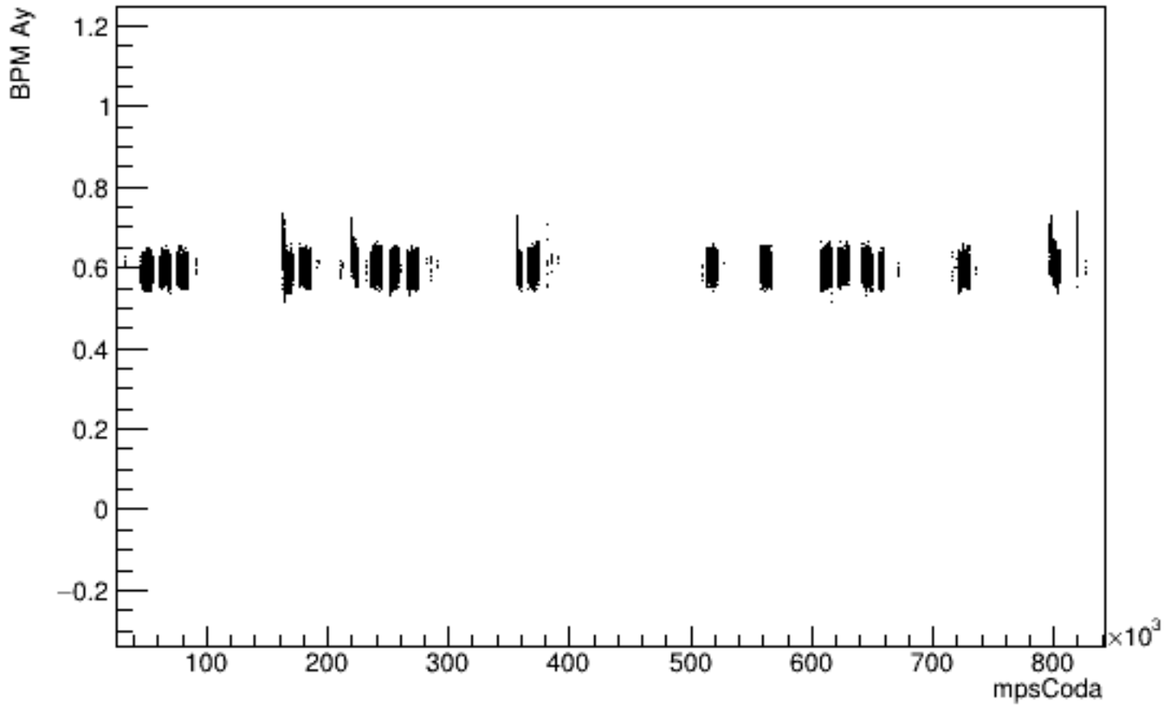
Run 4984 mpswise, beam OFF, laser ON



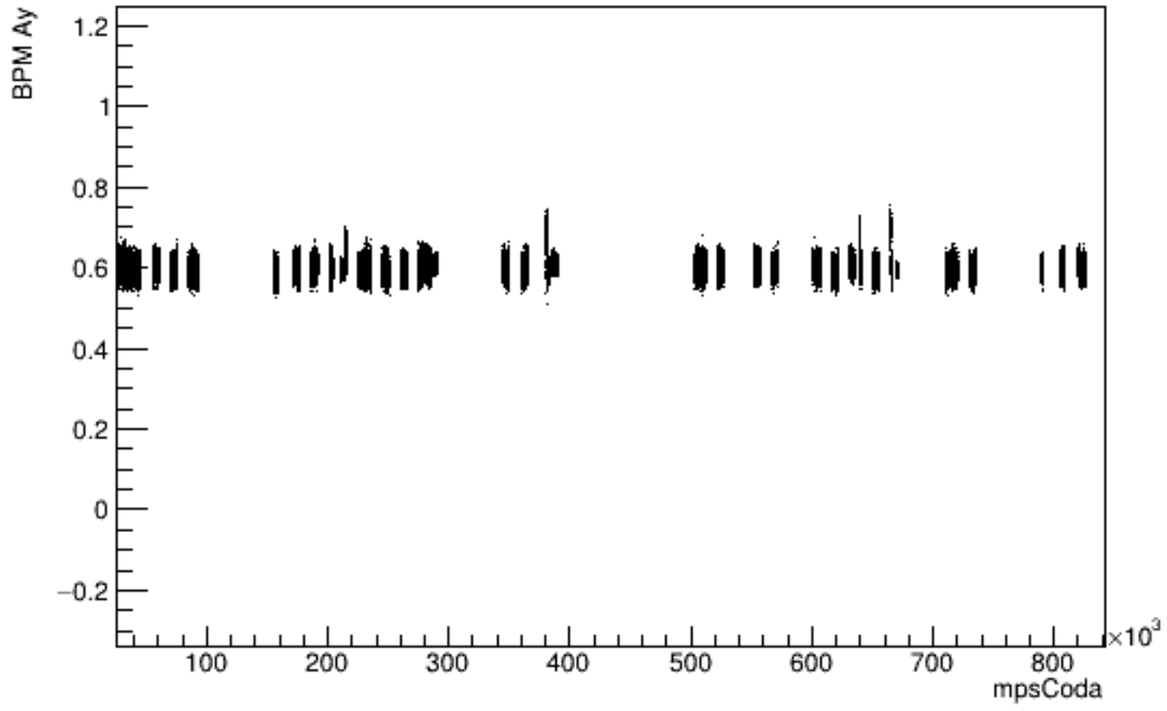
Run 4984 mpswise, beam OFF, laser OFF



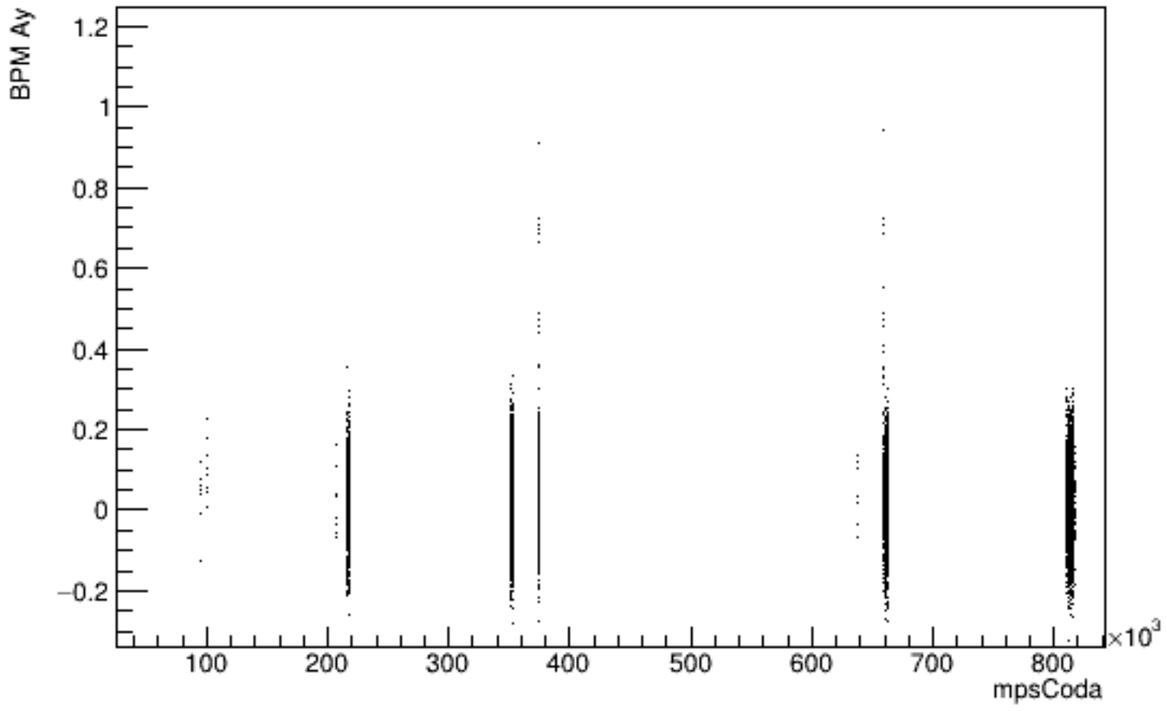
Run 4984 mpswise, beam ON, laser ON



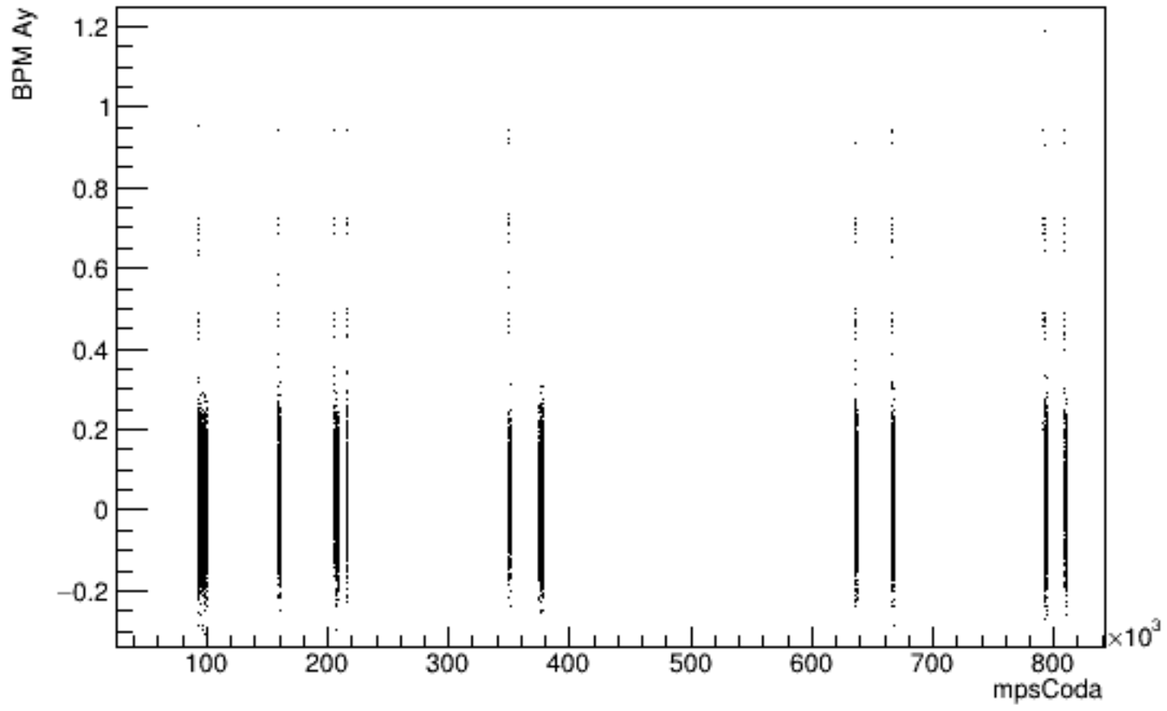
Run 4984 mpswise, beam ON, laser OFF



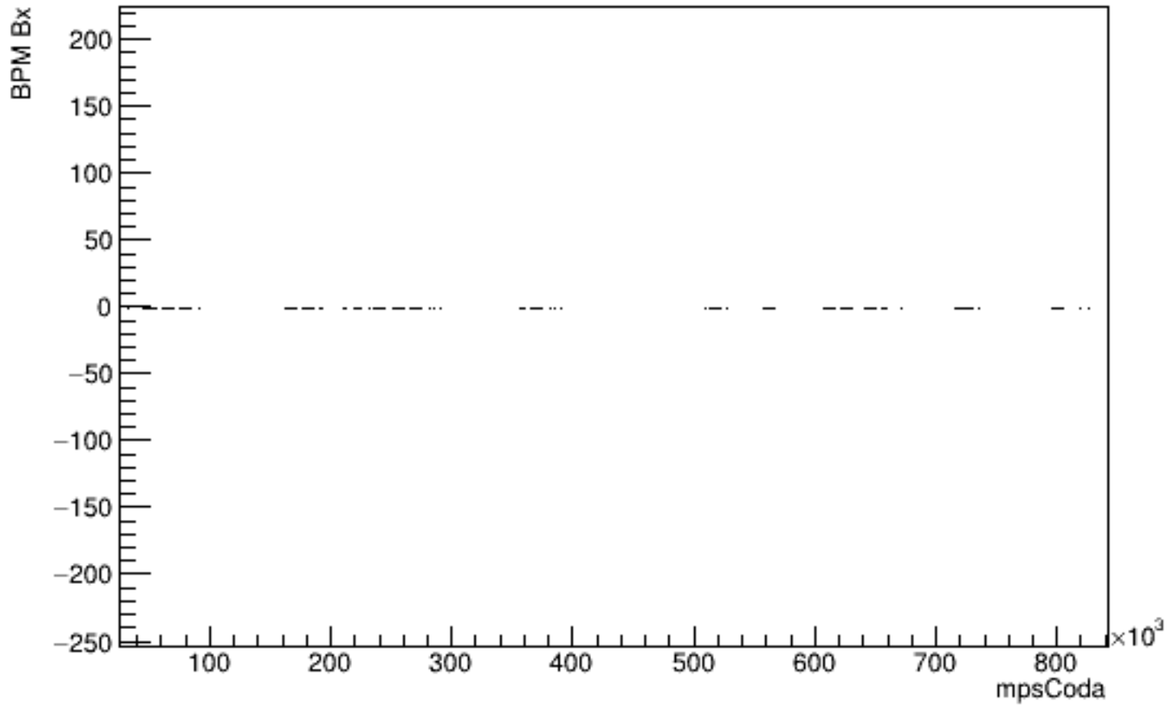
Run 4984 mpswise, beam OFF, laser ON



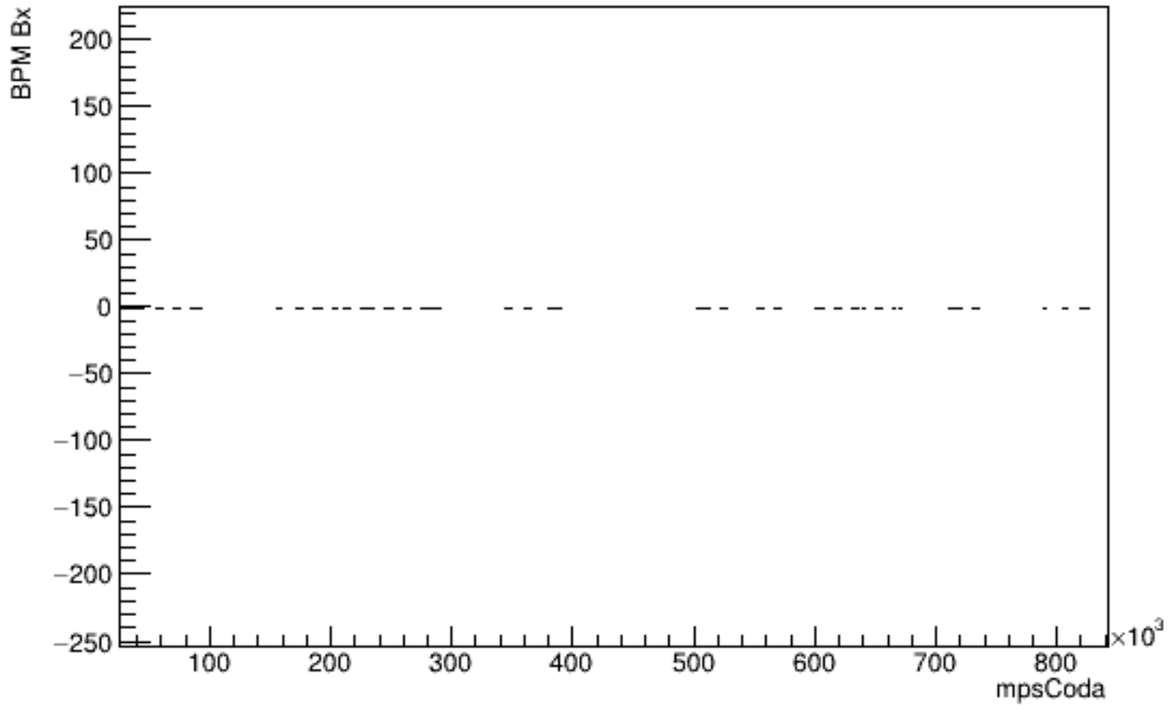
Run 4984 mpswise, beam OFF, laser OFF



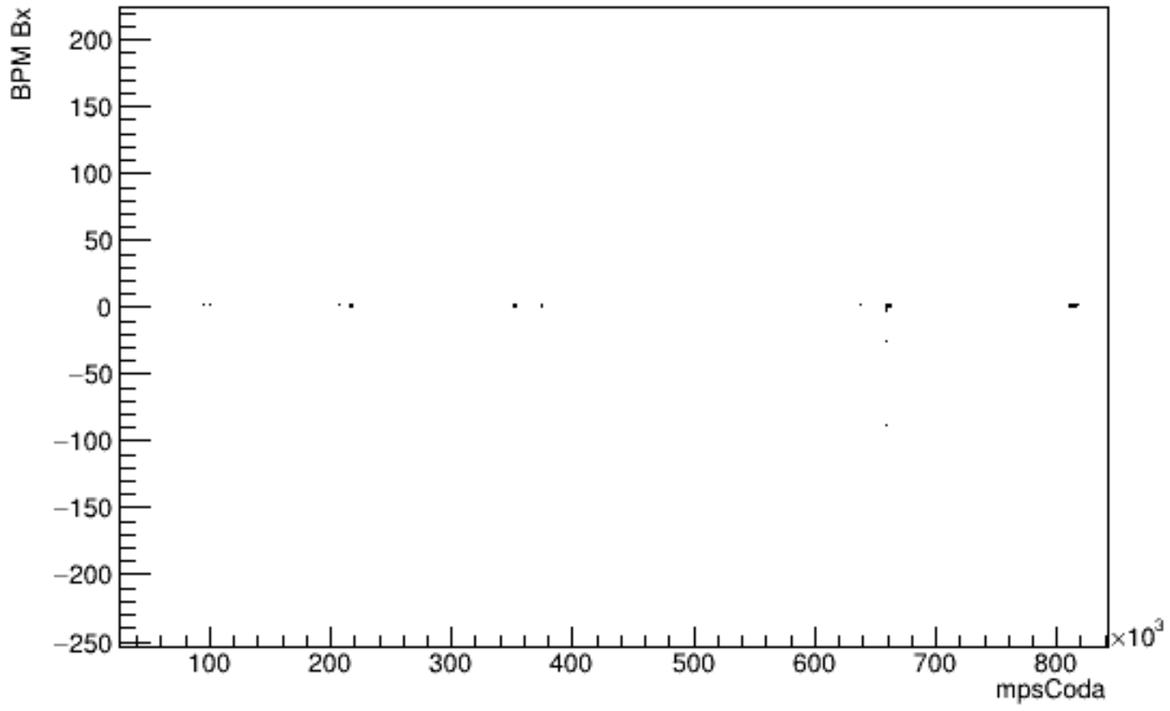
Run 4984 mpswise, beam ON, laser ON



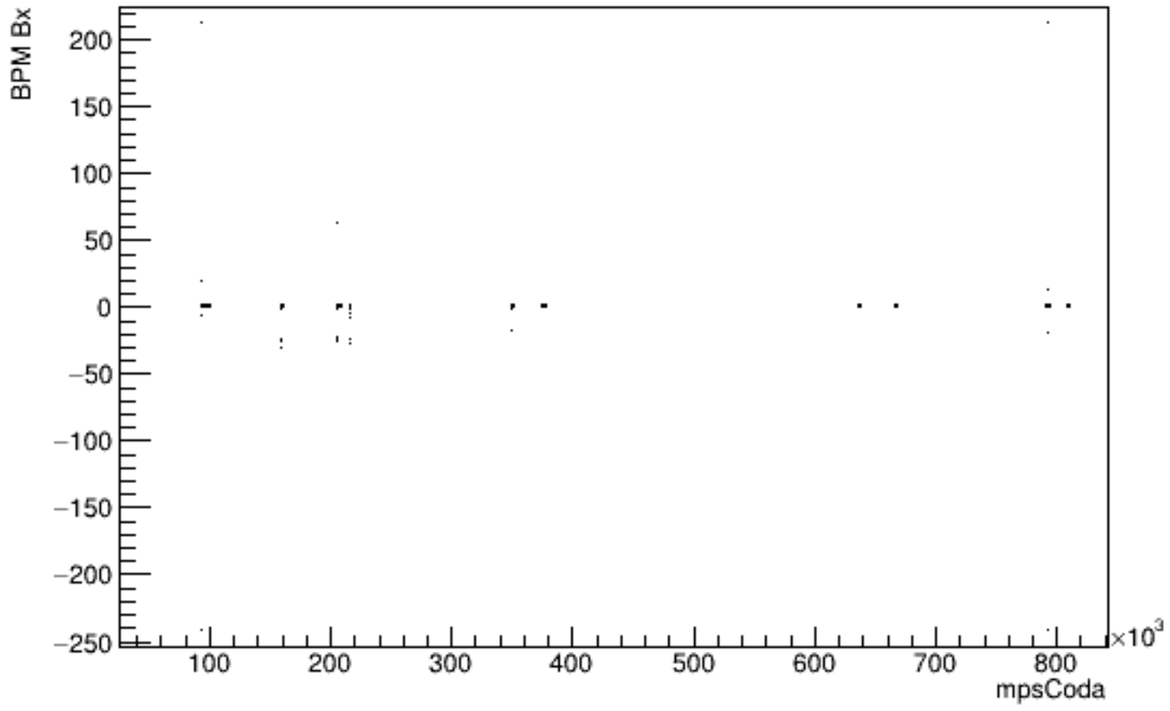
Run 4984 mpswise, beam ON, laser OFF

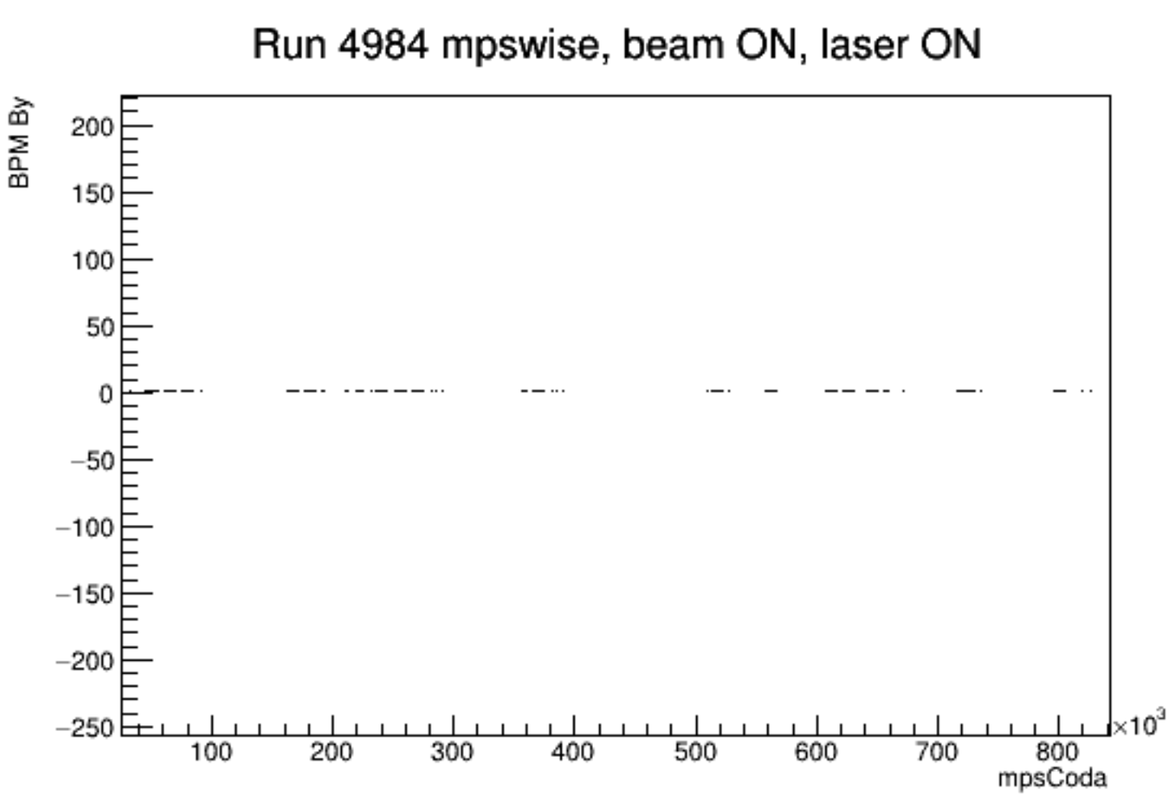


Run 4984 mpswise, beam OFF, laser ON



Run 4984 mpswise, beam OFF, laser OFF




Run 4984 mpswise, beam ON, laser ON
BPM By
200
150
100
50
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−50
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−150
−200
−250
100
200
300
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500
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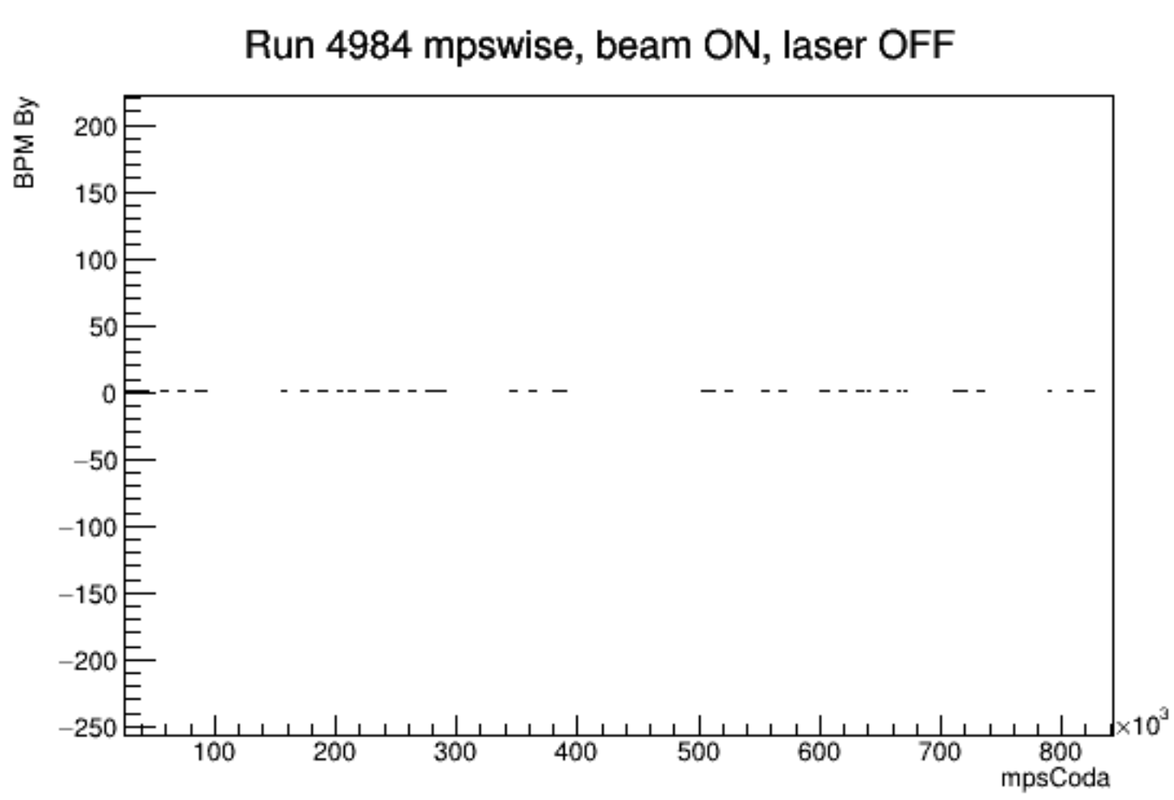
700
800
×10^3
mpsCoda


Run 4984 mpswise, beam ON, laser OFF
BPM By
200
150
100
50
0
−50
−100
−150
−200
−250
100
200
300
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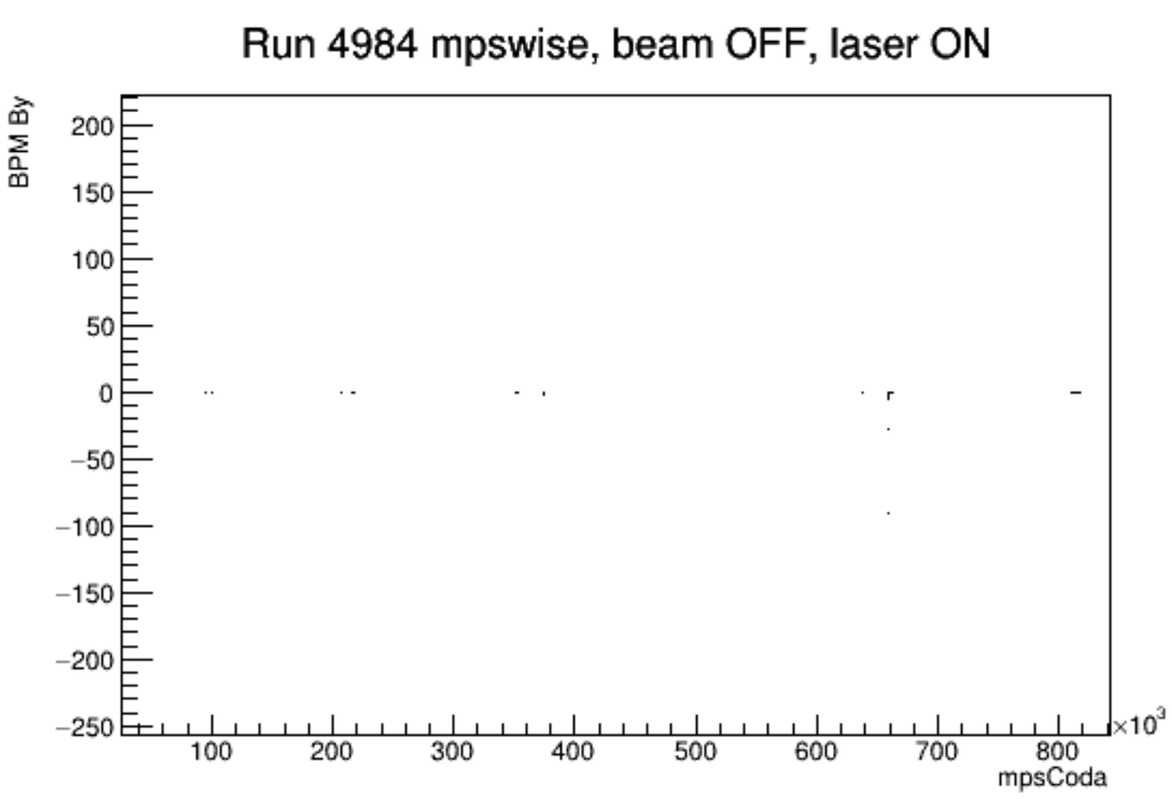
500
600
700
800
×10^3
mpsCoda


Run 4984 mpswise, beam OFF, laser ON
BPM By
200
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−250
100
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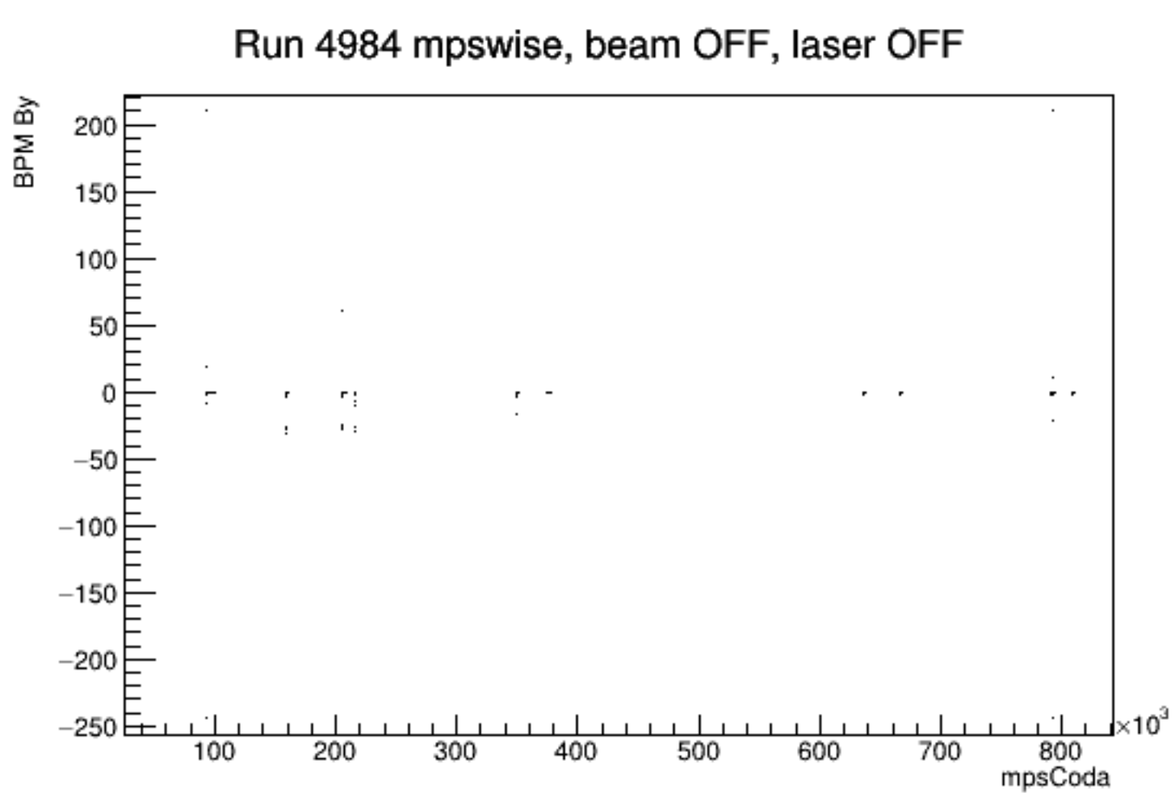
500
600
700
800
×10^3
mpsCoda


Run 4984 mpswise, beam OFF, laser OFF
BPM By
200
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0
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−150
−200
−250
100
200
300
400
500
600
700
800
×10^3
mpsCoda