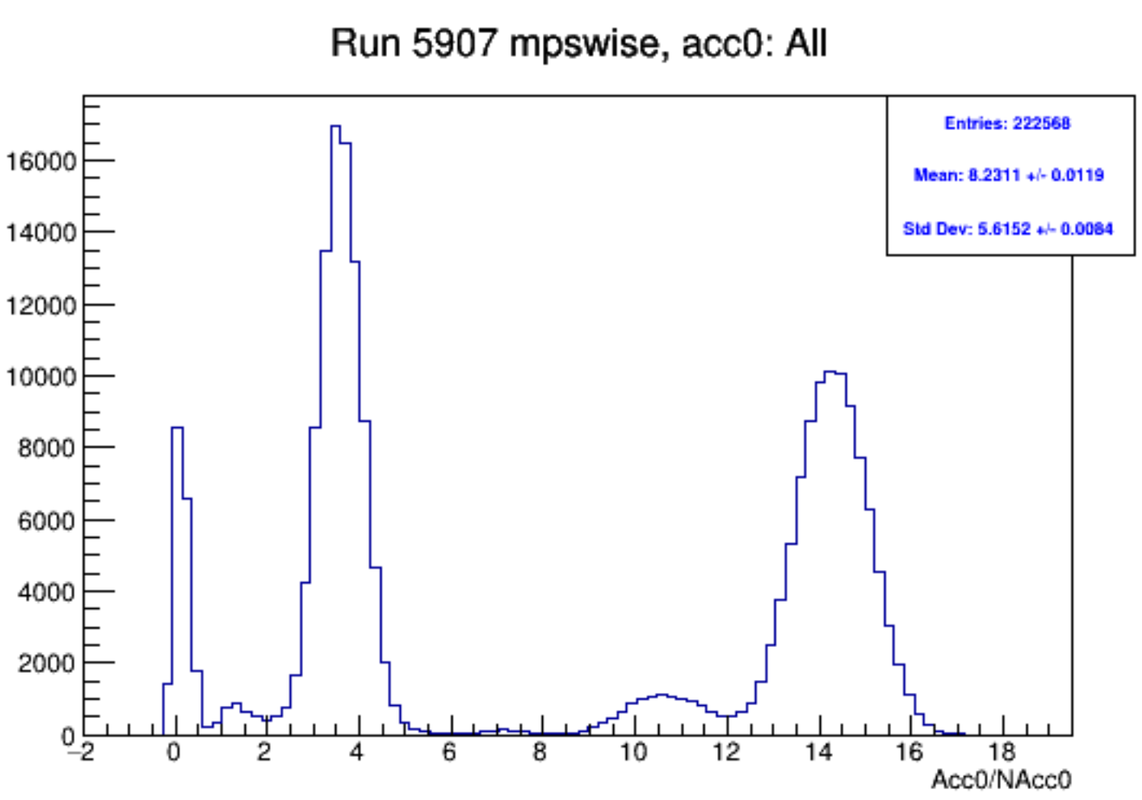
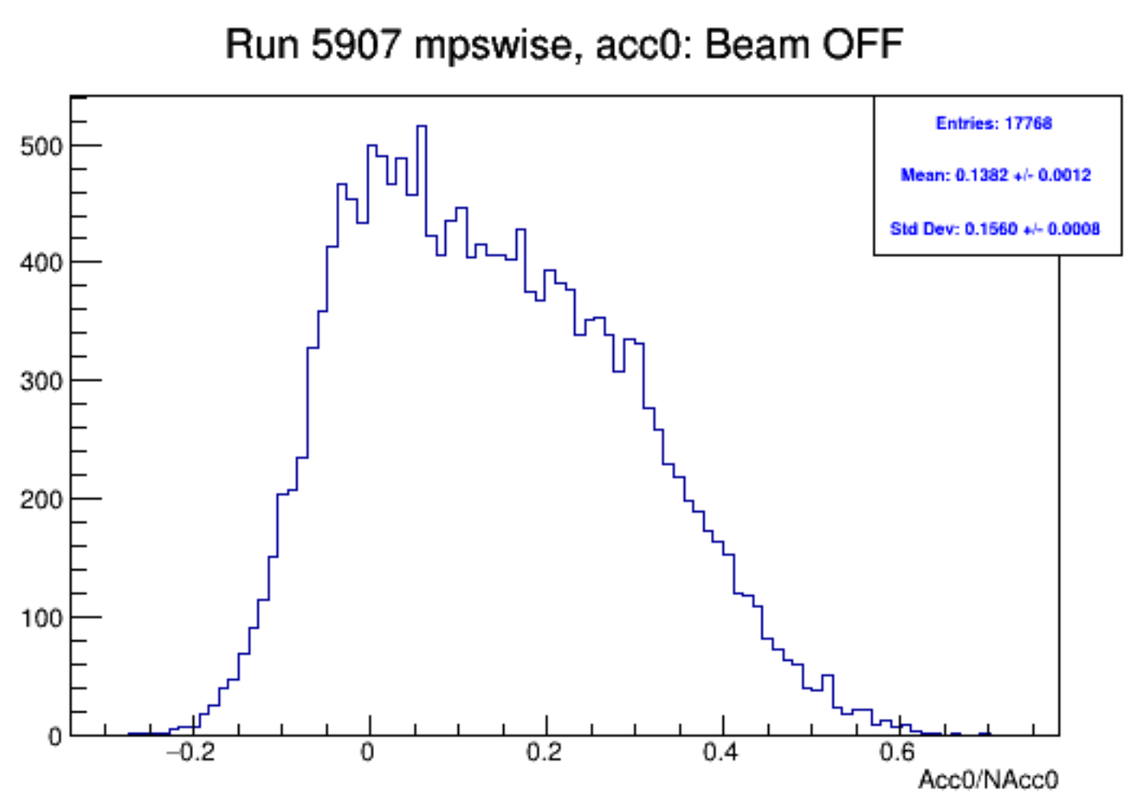
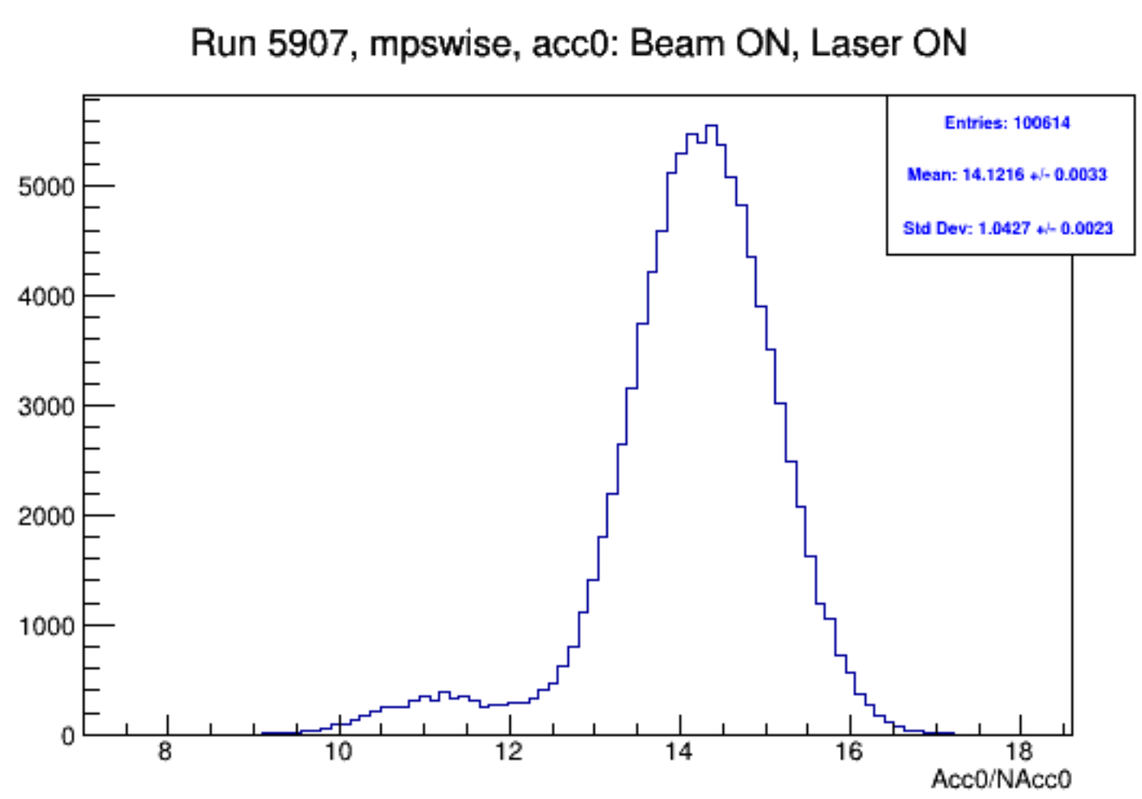
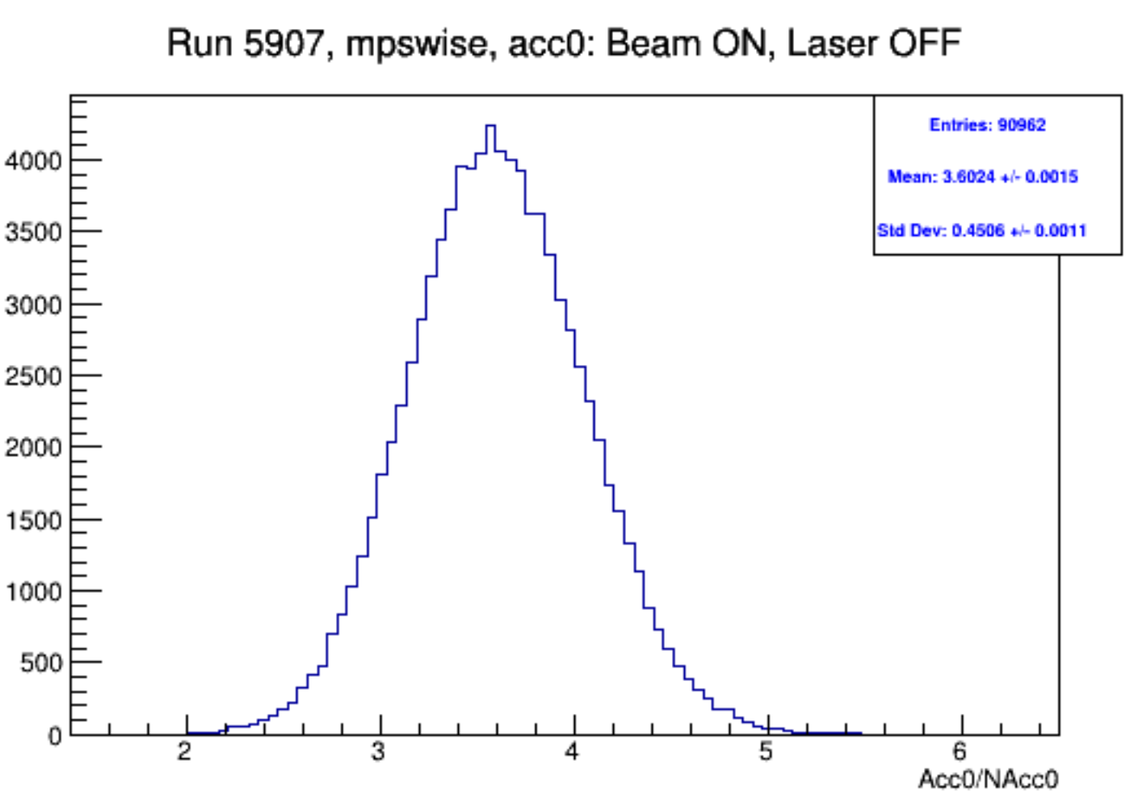
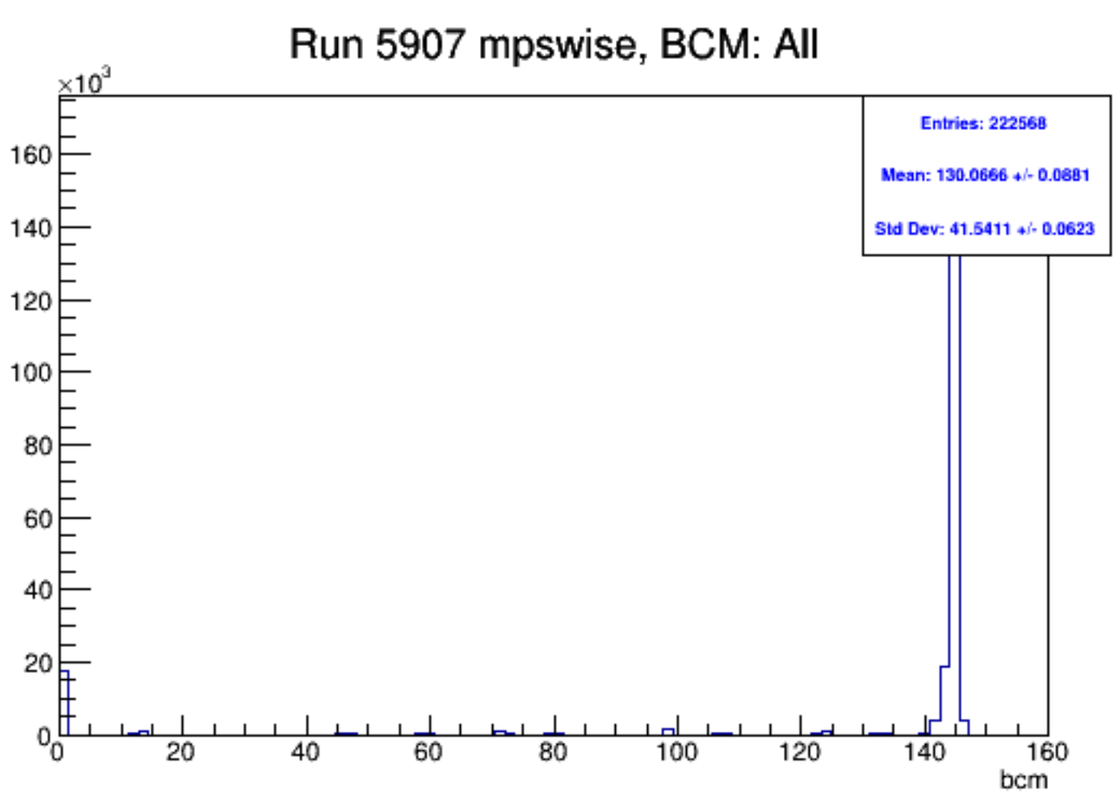
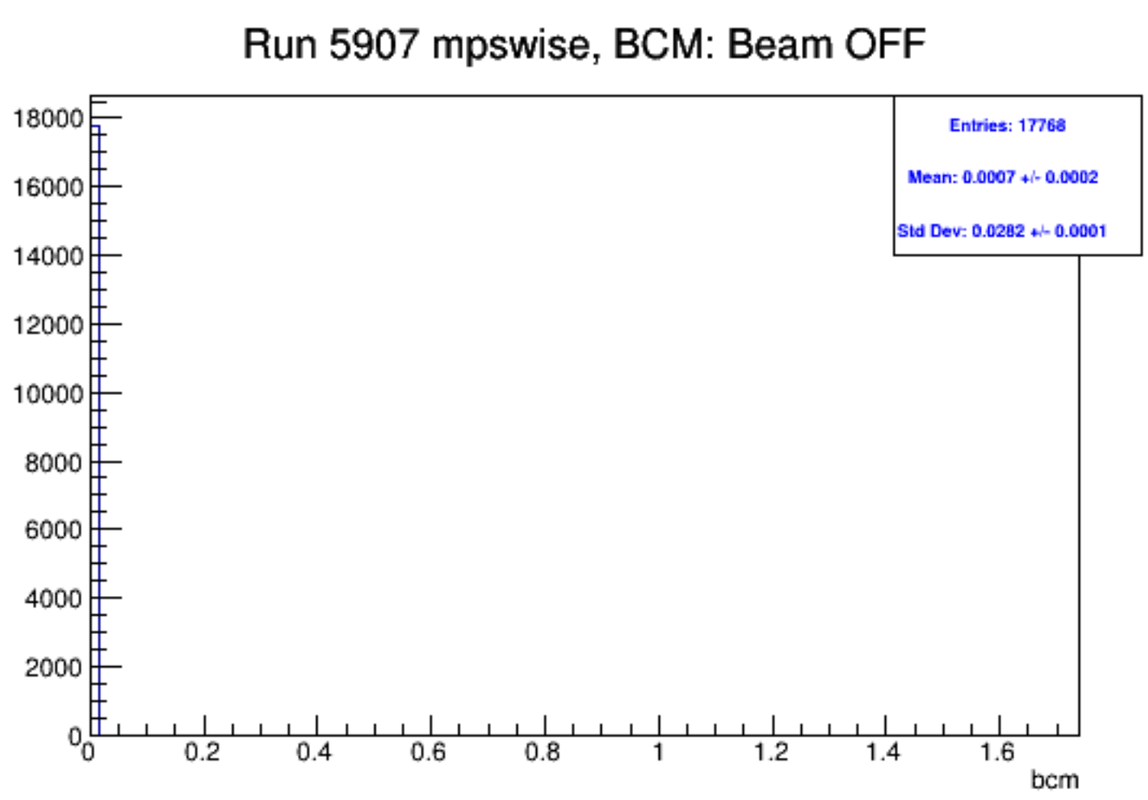

Run 5907 mpswise, acc0: All
Entries: 222568
Mean: 8.2311 +/- 0.0119
Std Dev: 5.6152 +/- 0.0084
16000
14000
12000
10000
8000
6000
4000
2000
0
−2
0
2
4
6
8
10
12
14
16
18
Acc0/NAcc0

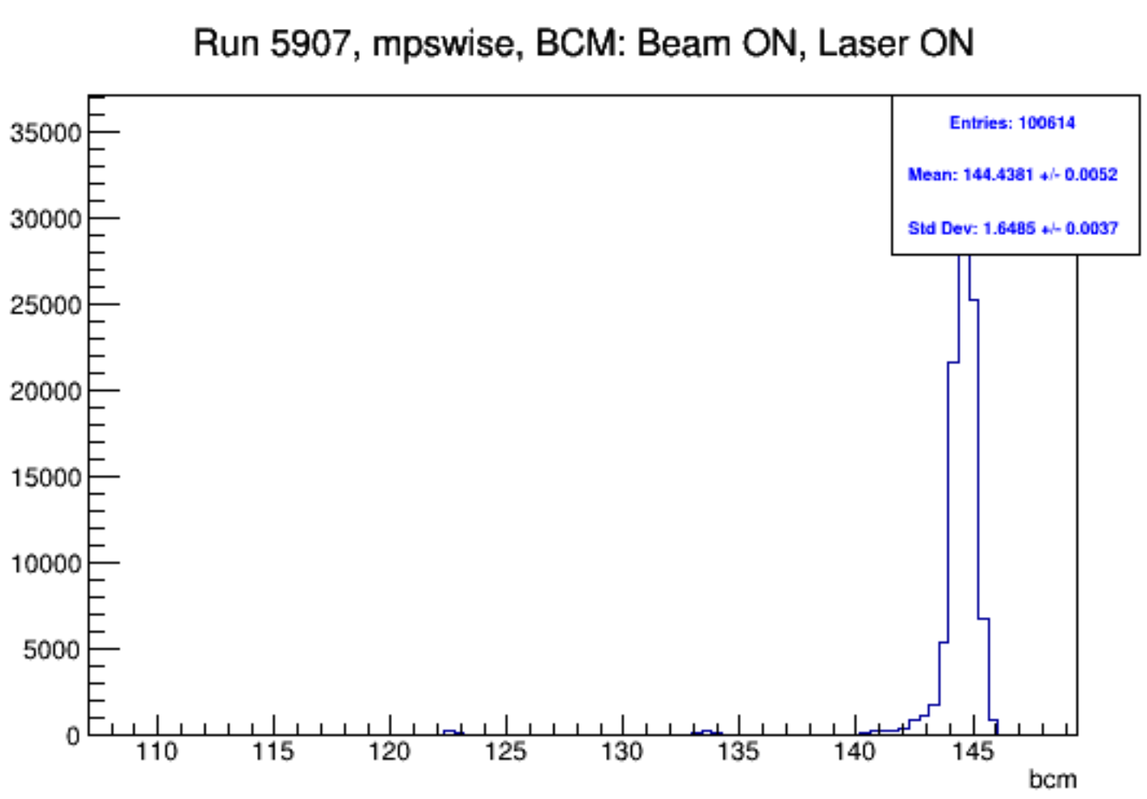

Run 5907 mpswise, acc0: Beam OFF
Entries: 17768
Mean: 0.1382 +/- 0.0012
Std Dev: 0.1560 +/- 0.0008
500
400
300
200
100
0
−0.2
0
0.2
0.4
0.6
Acc0/NAcc0

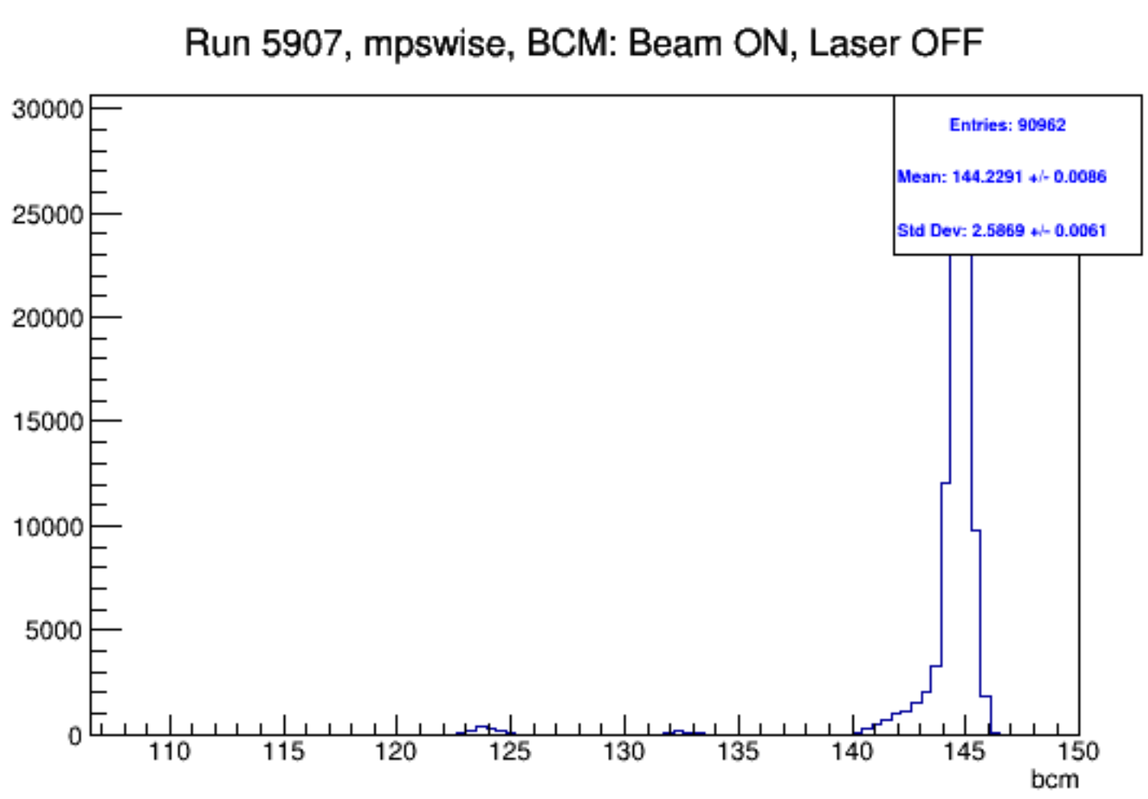

Run 5907, mpswise, acc0: Beam ON, Laser ON
Entries: 100614
Mean: 14.1216 +/- 0.0033
Std Dev: 1.0427 +/- 0.0023
5000
4000
3000
2000
1000
0
8
10
12
14
16
18
Acc0/NAcc0

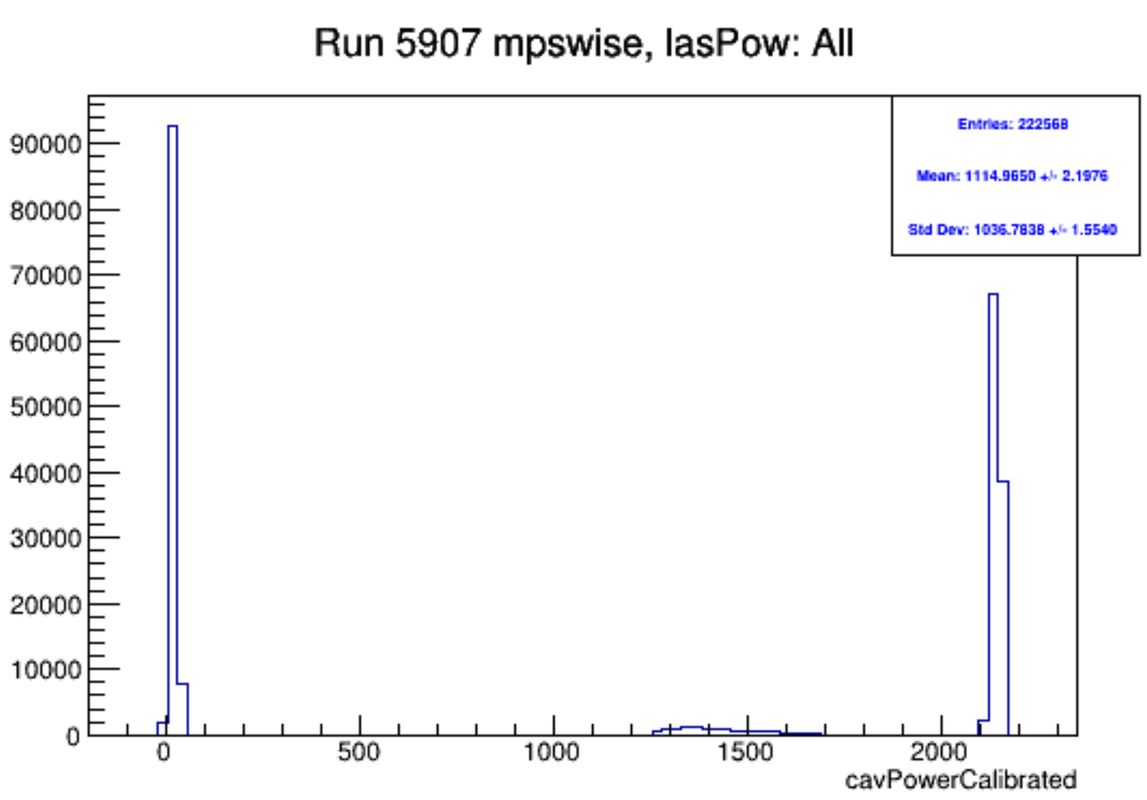

Run 5907, mpswise, acc0: Beam ON, Laser OFF
Entries: 90962
Mean: 3.6024 +/- 0.0015
Std Dev: 0.4506 +/- 0.0011
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
Acc0/NAcc0

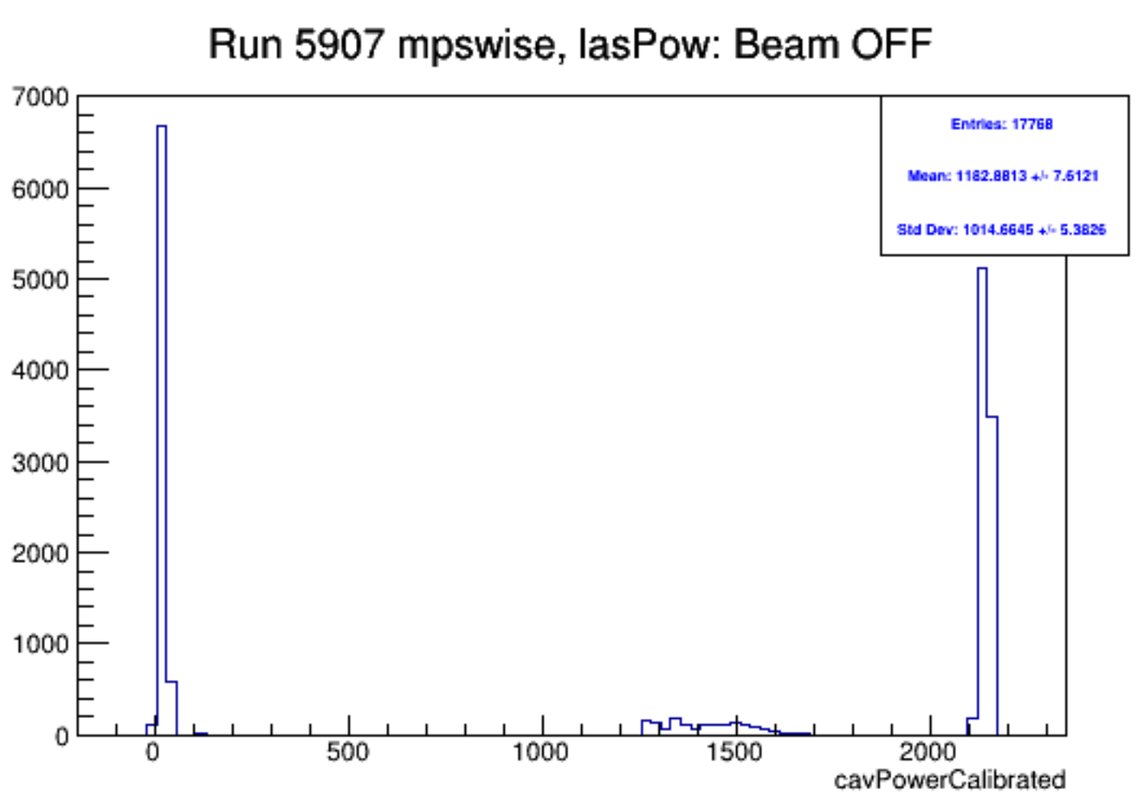

Run 5907 mpswise, BCM: All
×10^3
Entries: 222568
Mean: 130.0666 +/- 0.0881
Std Dev: 41.5411 +/- 0.0623
bcm

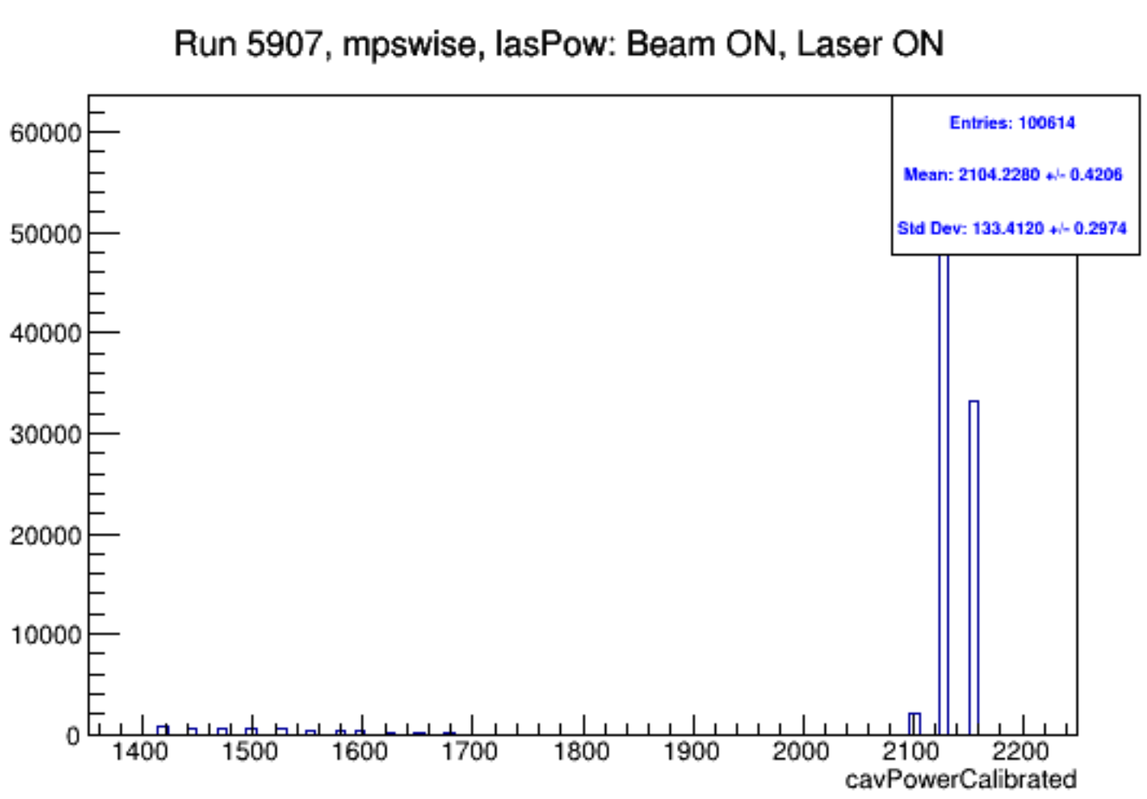

Run 5907 mpswise, BCM: Beam OFF
Entries: 17768
Mean: 0.0007 +/- 0.0002
Std Dev: 0.0282 +/- 0.0001
bcm

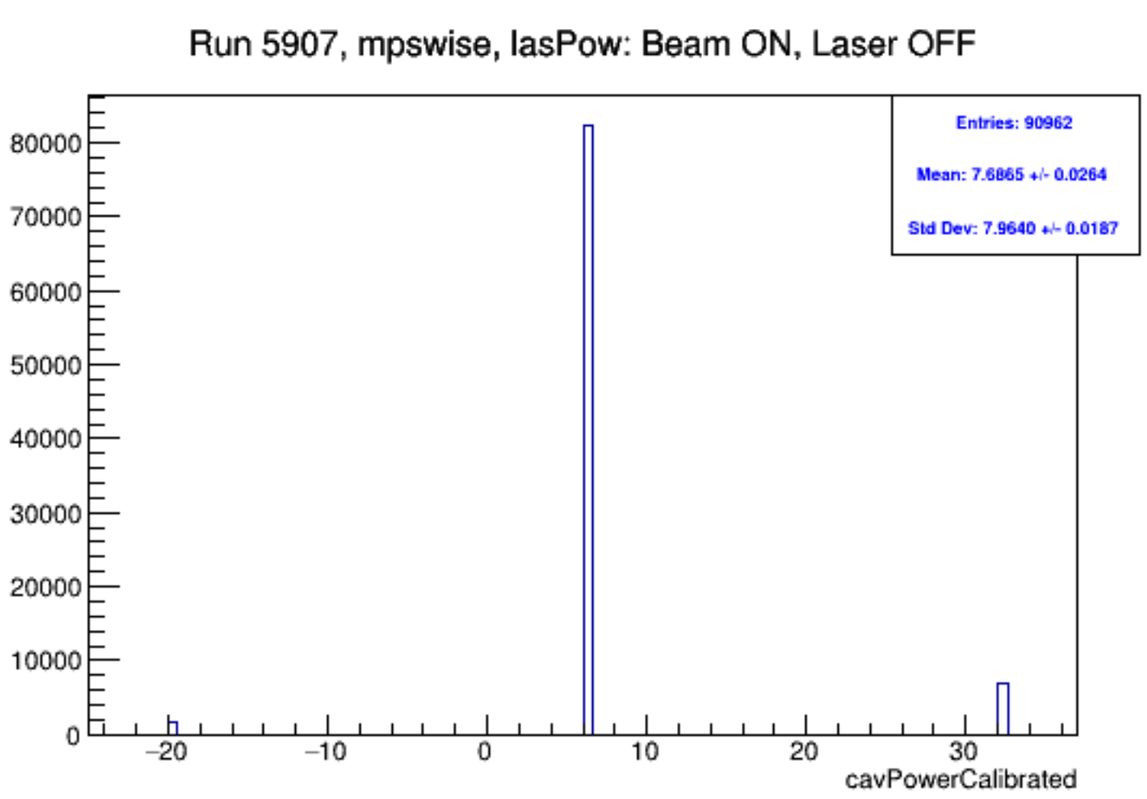

Run 5907, mpswise, BCM: Beam ON, Laser ON
Entries: 100614
Mean: 144.4381 +/- 0.0052
Std Dev: 1.6485 +/- 0.0037
bcm

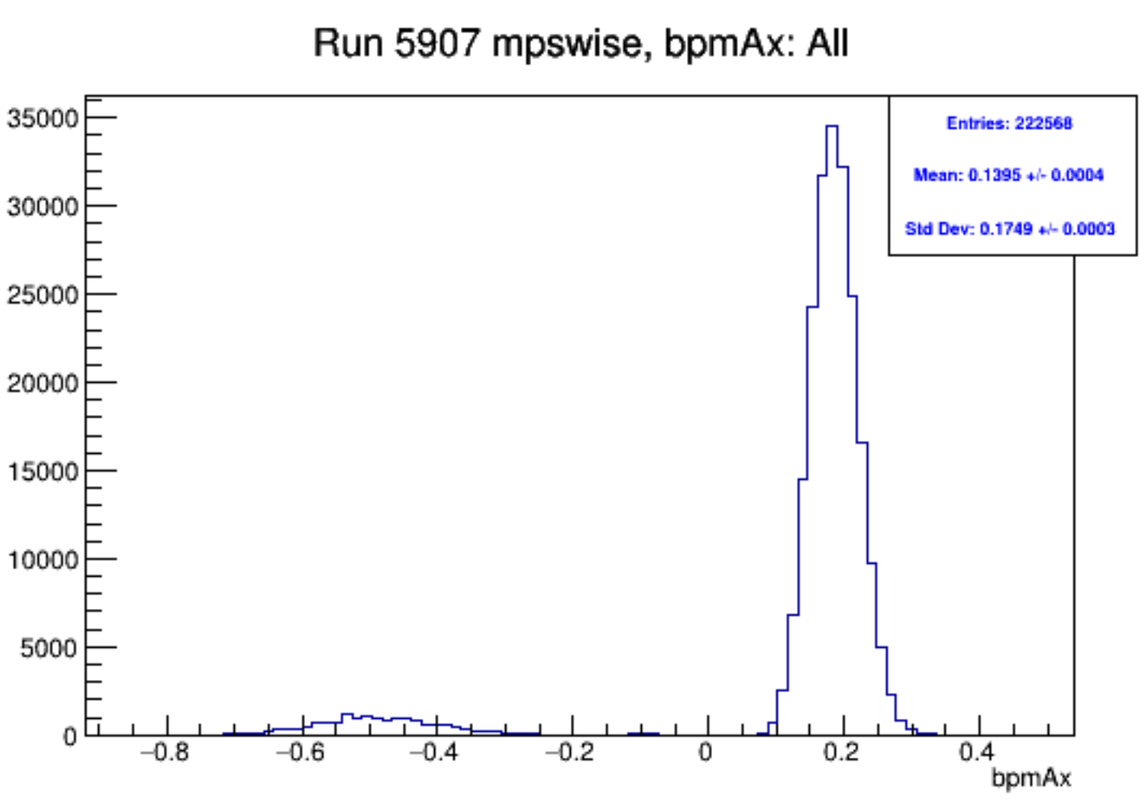

Run 5907, mpswise, BCM: Beam ON, Laser OFF
Entries: 90962
Mean: 144.2291 +/- 0.0086
Std Dev: 2.5869 +/- 0.0061
bcm

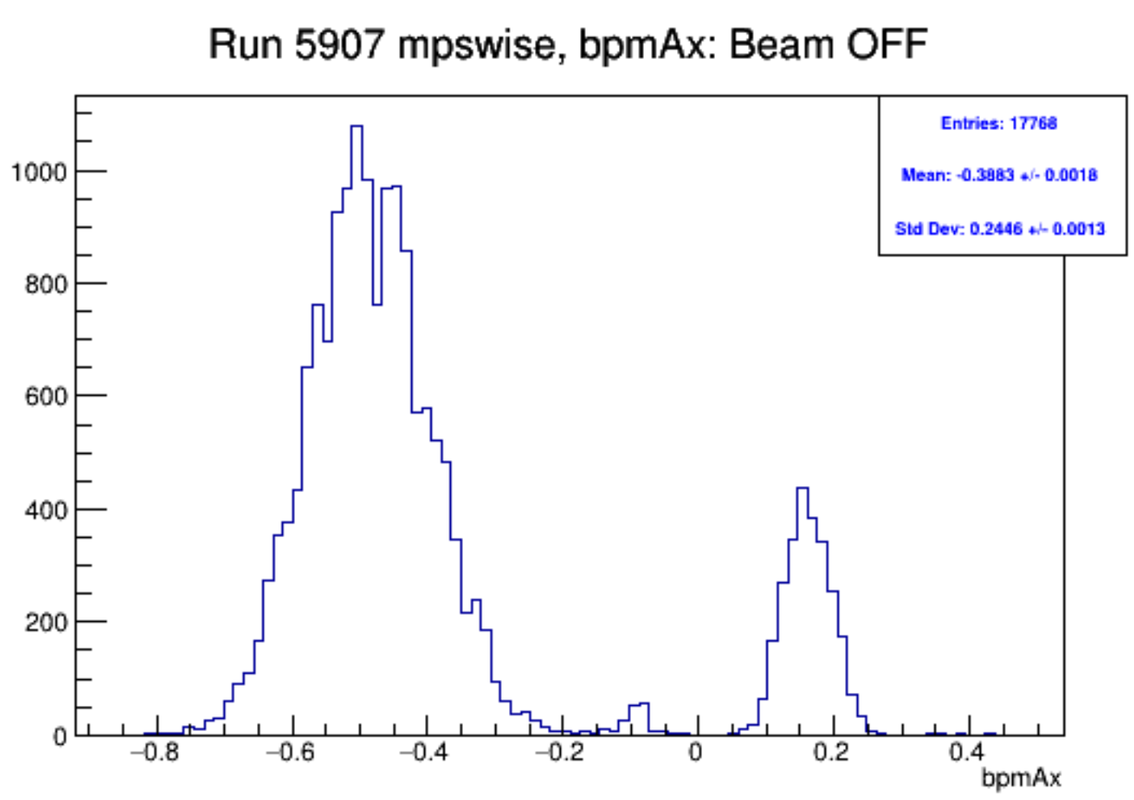

Run 5907 mpswise, lasPow: All
Entries: 222568
Mean: 1114.9650 +/- 2.1976
Std Dev: 1036.7838 +/- 1.5540
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
500
1000
1500
2000
cavPowerCalibrated

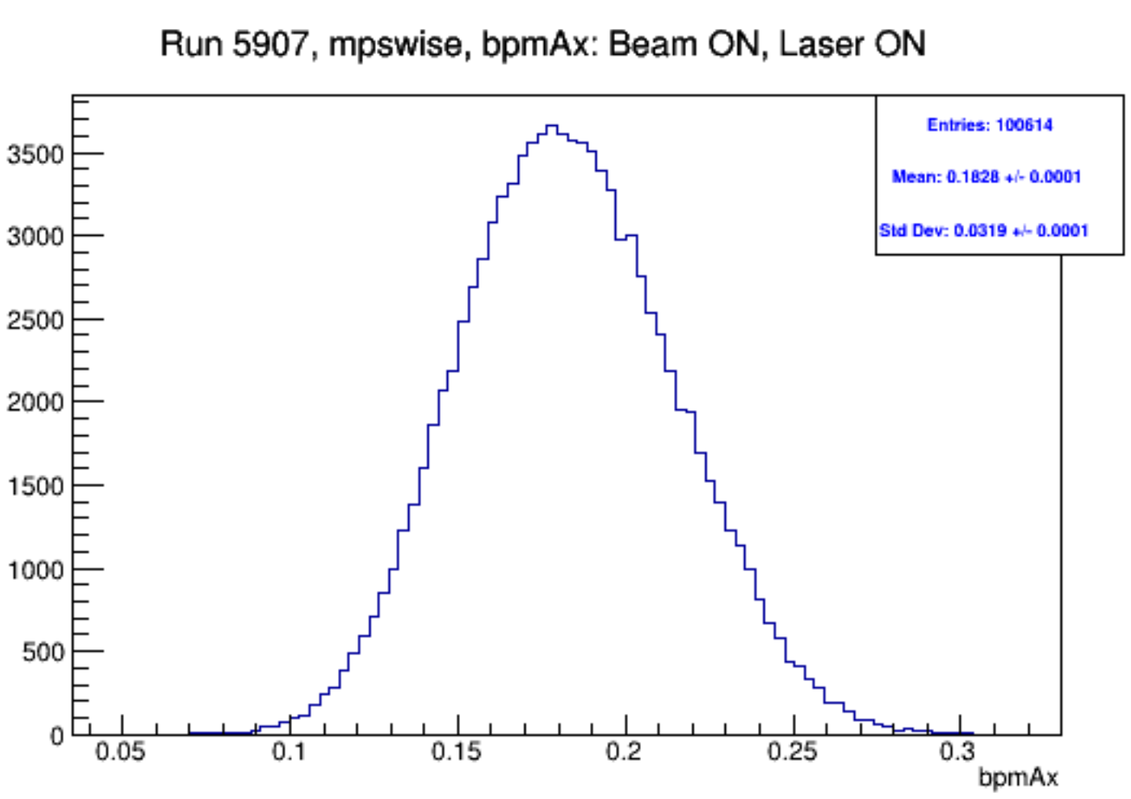

Run 5907 mpswise, lasPow: Beam OFF
Entries: 17768
Mean: 1182.8813 +/- 7.6121
Std Dev: 1014.6645 +/- 5.3825
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
cavPowerCalibrated

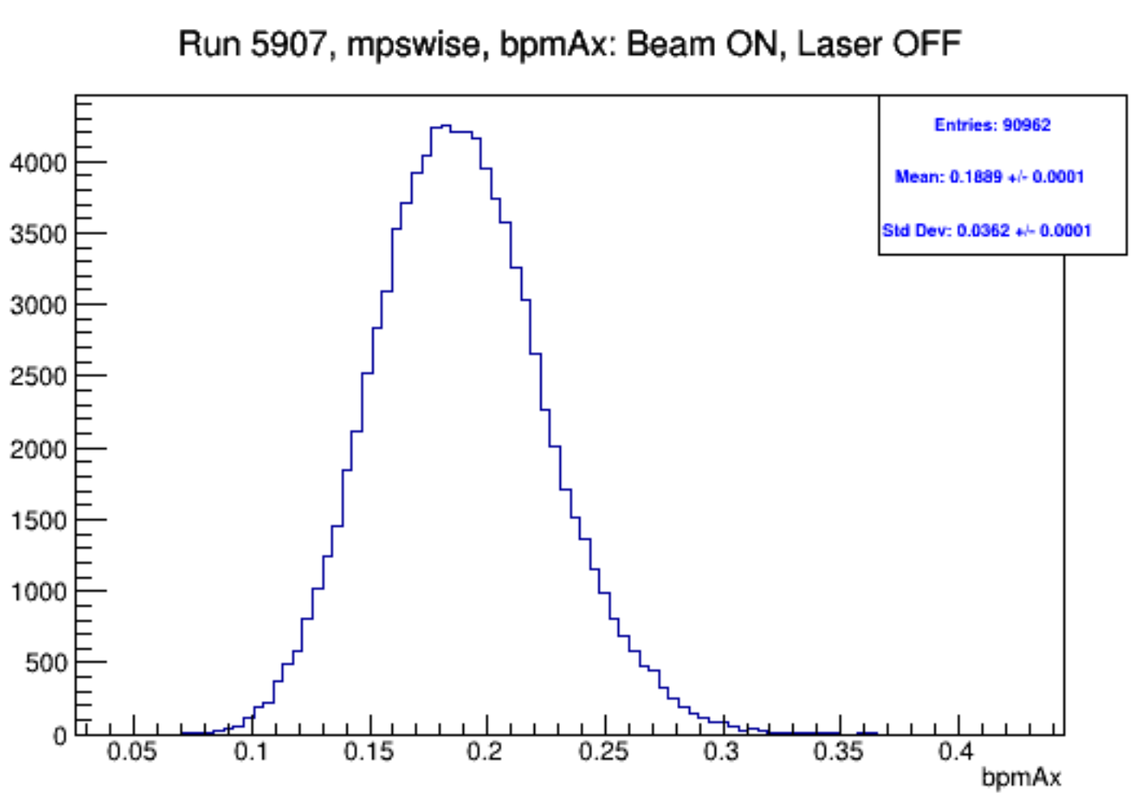

Run 5907, mpswise, lasPow: Beam ON, Laser ON
Entries: 100614
Mean: 2104.2280 +/- 0.4206
Std Dev: 133.4120 +/- 0.2974
60000
50000
40000
30000
20000
10000
0
1400
1500
1600
1700
1800
1900
2000
2100
2200
cavPowerCalibrated

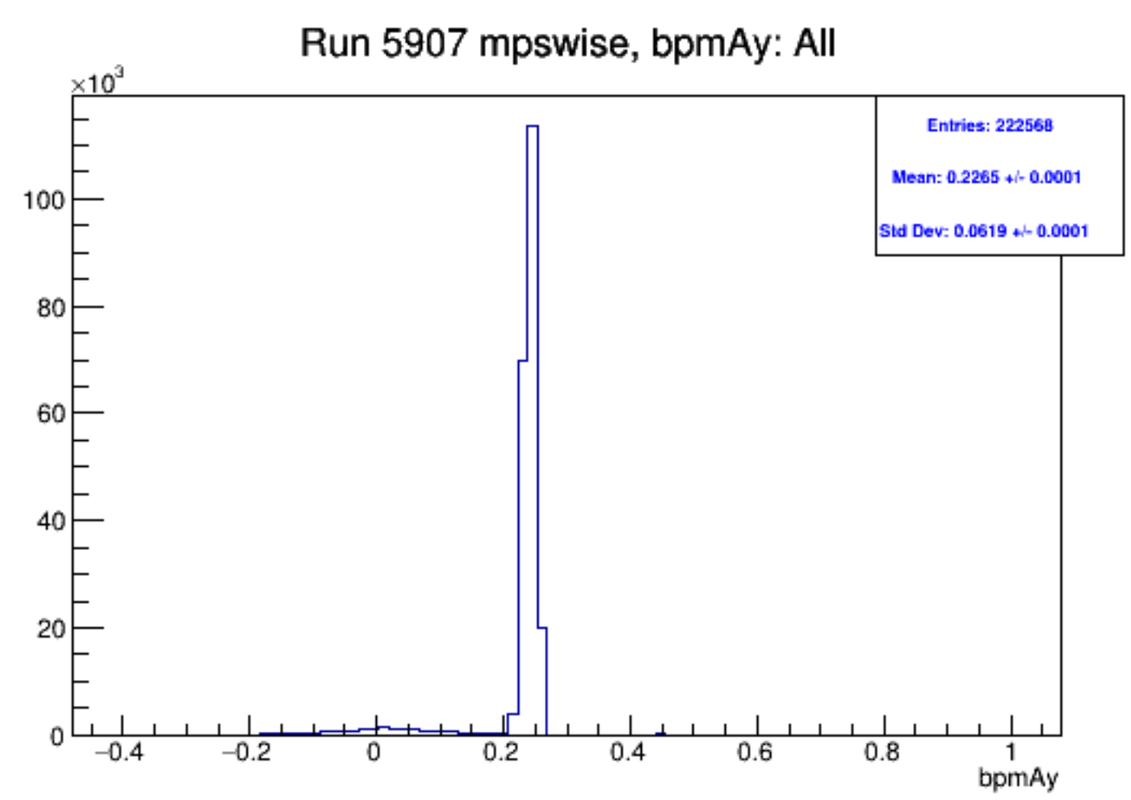

Run 5907, mpswise, lasPow: Beam ON, Laser OFF
Entries: 90962
Mean: 7.6865 +/- 0.0264
Std Dev: 7.9640 +/- 0.0187
80000
70000
60000
50000
40000
30000
20000
10000
0
−20
−10
0
10
20
30
cavPowerCalibrated

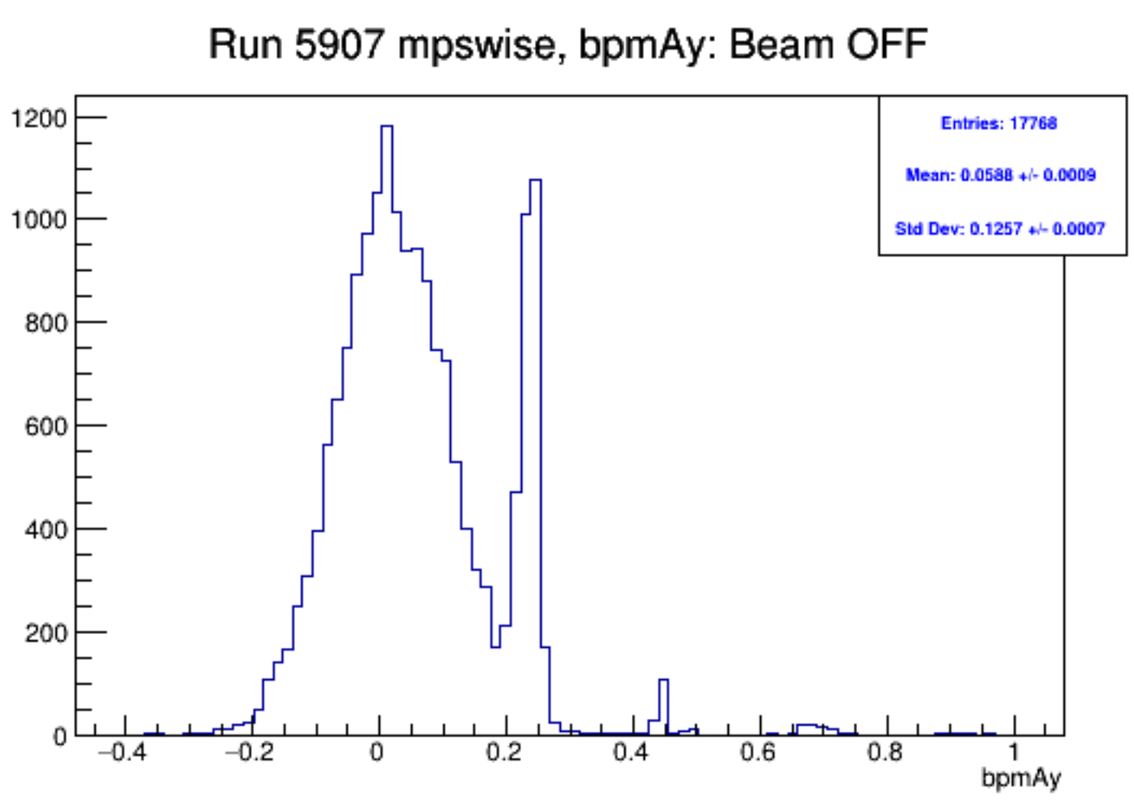

Run 5907 mpswise, bpmAx: All
Entries: 222568
Mean: 0.1395 +/- 0.0004
Std Dev: 0.1749 +/- 0.0003
35000
30000
25000
20000
15000
10000
5000
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
bpmAx

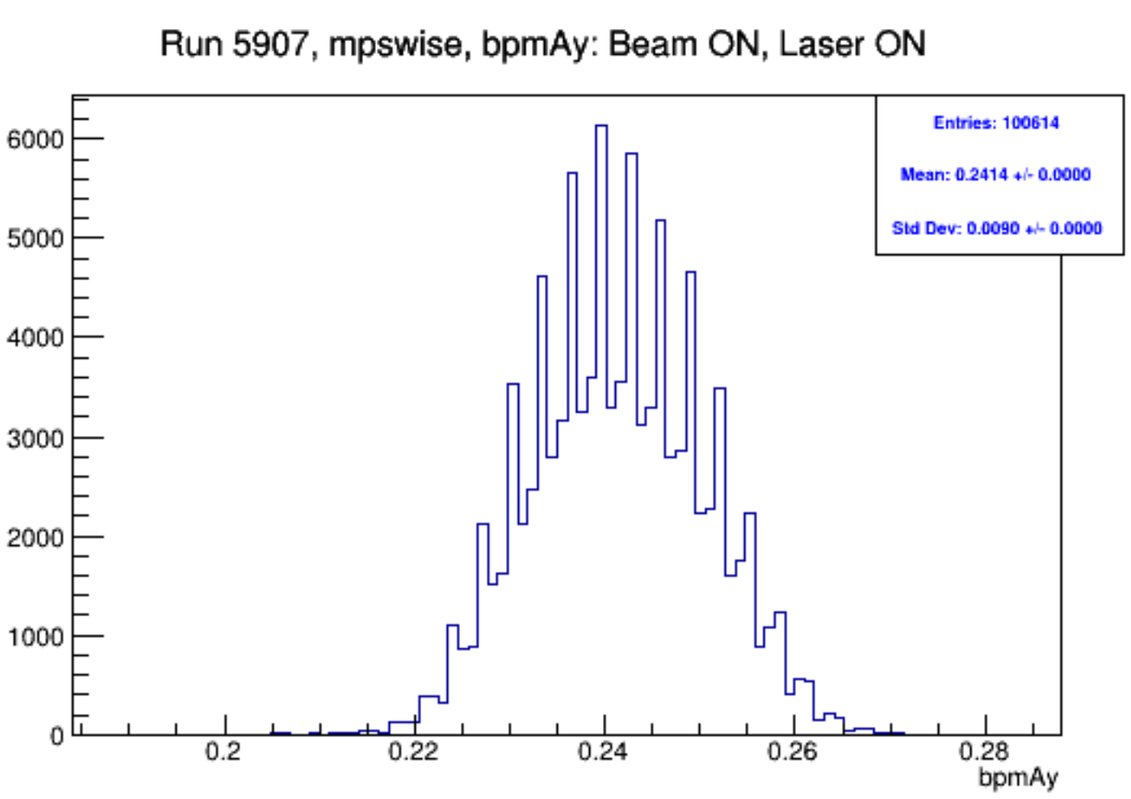

Run 5907 mpswise, bpmAx: Beam OFF
Entries: 17768
Mean: -0.3883 +/- 0.0018
Std Dev: 0.2446 +/- 0.0013
1000
800
600
400
200
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
bpmAx

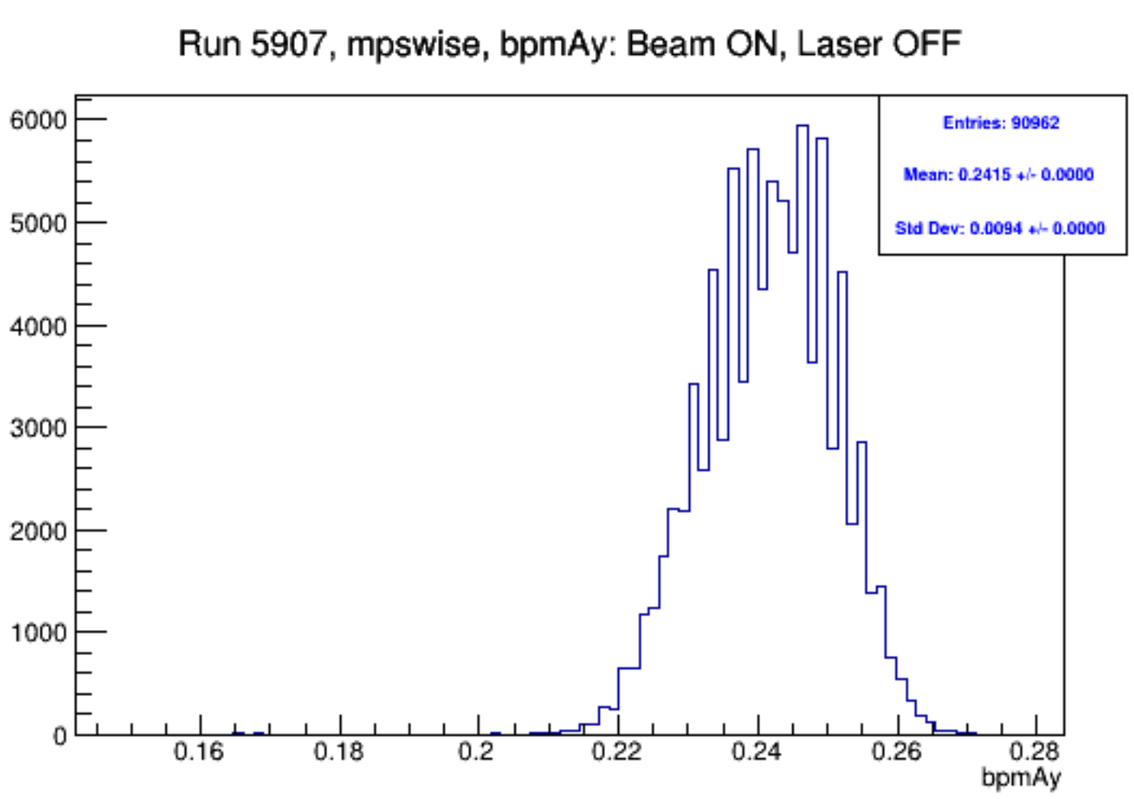

Run 5907, mpswise, bpmAx: Beam ON, Laser ON
Entries: 100614
Mean: 0.1828 +/- 0.0001
Std Dev: 0.0319 +/- 0.0001
3500
3000
2500
2000
1500
1000
500
0
0.05
0.1
0.15
0.2
0.25
0.3
bpmAx

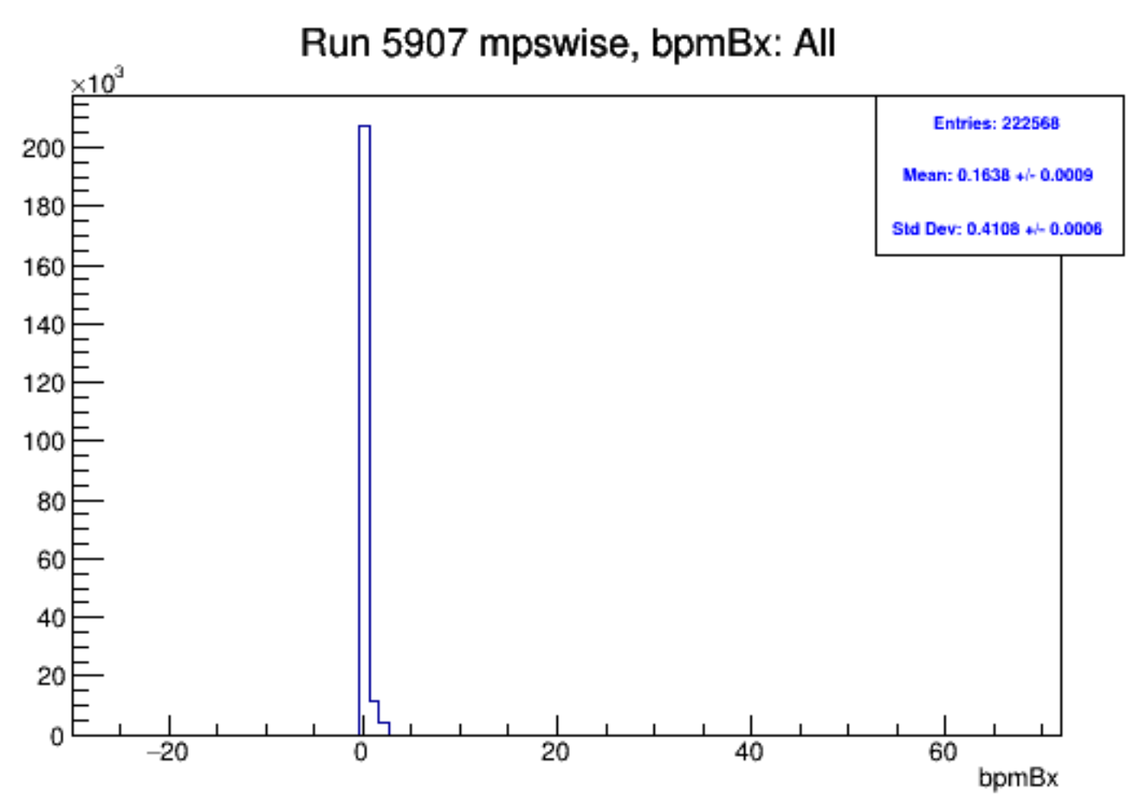

Run 5907, mpswise, bpmAx: Beam ON, Laser OFF
Entries: 90962
Mean: 0.1889 +/- 0.0001
Std Dev: 0.0362 +/- 0.0001
4000
3500
3000
2500
2000
1500
1000
500
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
bpmAx

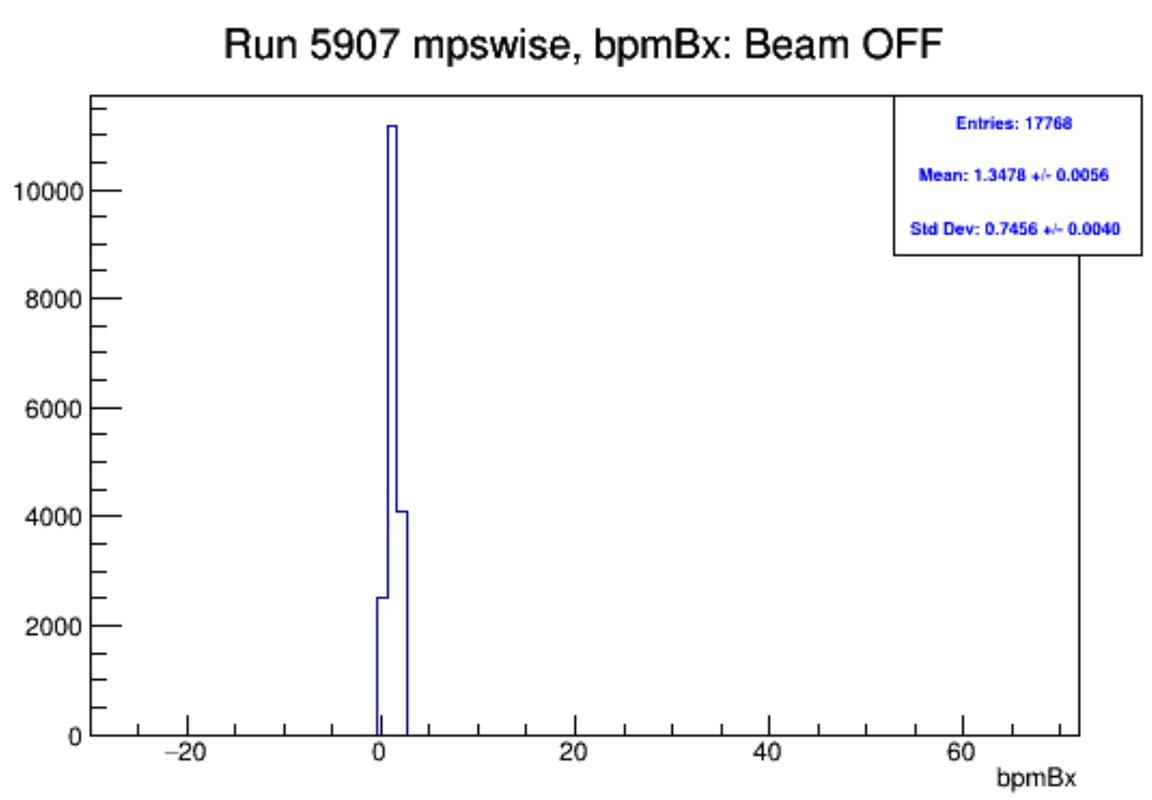

Run 5907 mpswise, bpmAy: All
×10^3
Entries: 222568
Mean: 0.2265 +/- 0.0001
Std Dev: 0.0619 +/- 0.0001
100
80
60
40
20
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
bpmAy

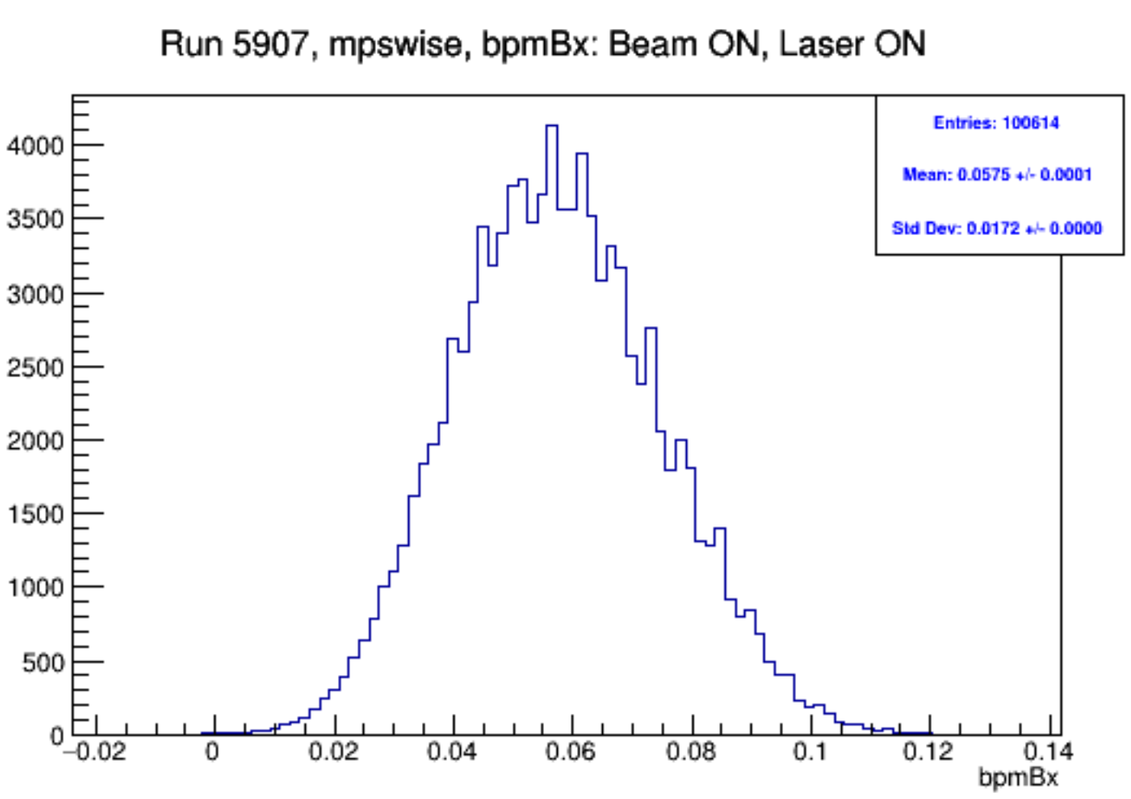

Run 5907 mpswise, bpmAy: Beam OFF
Entries: 17768
Mean: 0.0588 +/- 0.0009
Std Dev: 0.1257 +/- 0.0007
1200
1000
800
600
400
200
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
bpmAy

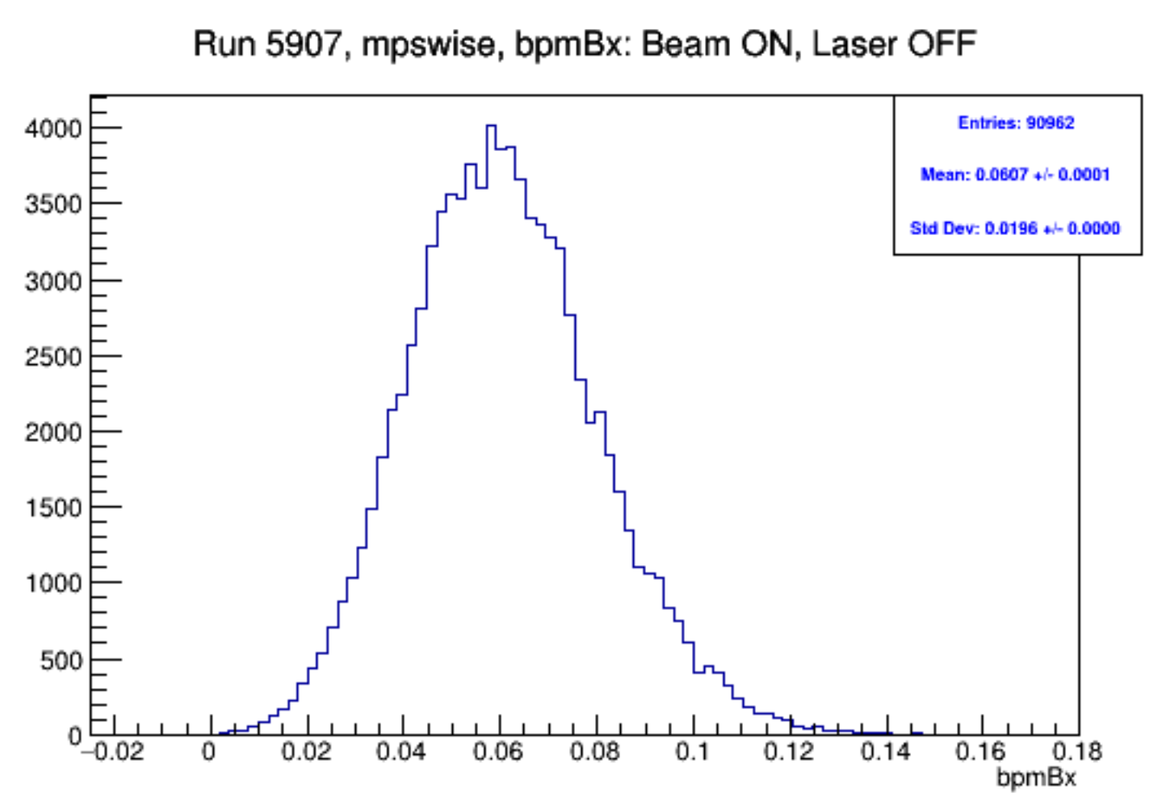

Run 5907, mpswise, bpmAy: Beam ON, Laser ON
Entries: 100614
Mean: 0.2414 +/- 0.0000
Std Dev: 0.0090 +/- 0.0000
6000
5000
4000
3000
2000
1000
0
0.2
0.22
0.24
0.26
0.28
bpmAy

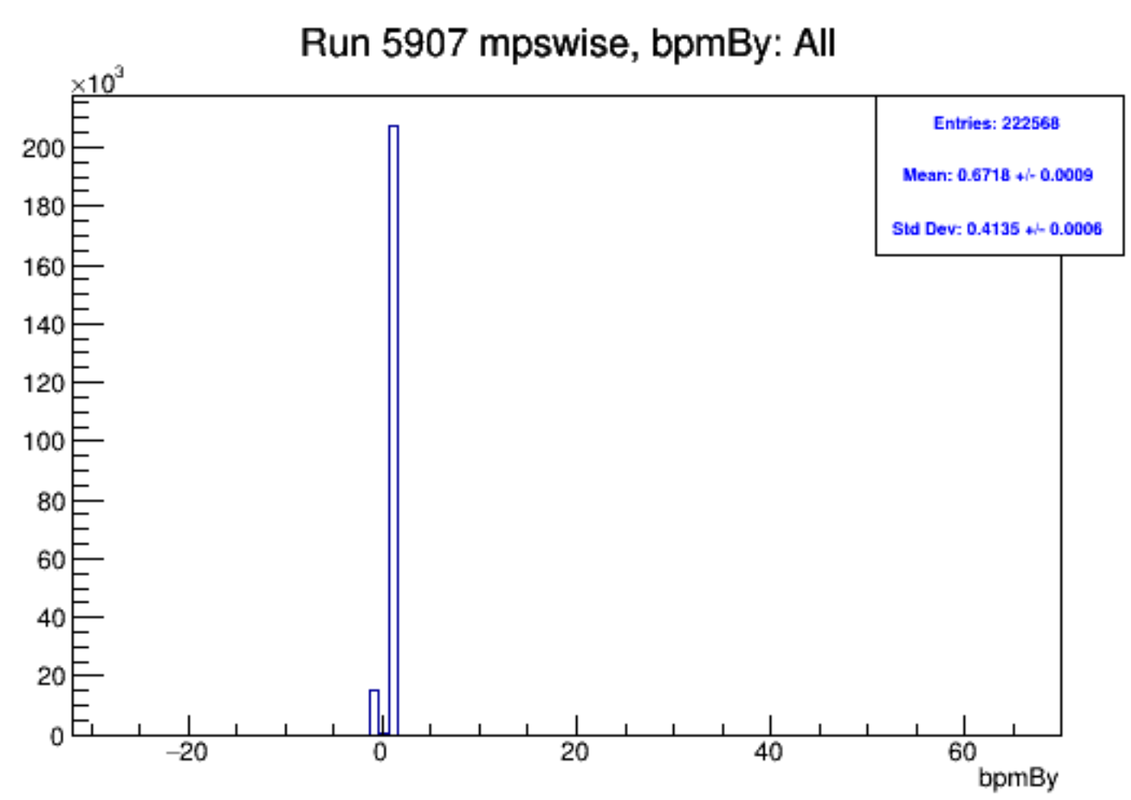

Run 5907, mpswise, bpmAy: Beam ON, Laser OFF
Entries: 90962
Mean: 0.2415 +/- 0.0000
Std Dev: 0.0094 +/- 0.0000
6000
5000
4000
3000
2000
1000
0
0.16
0.18
0.2
0.22
0.24
0.26
0.28
bpmAy

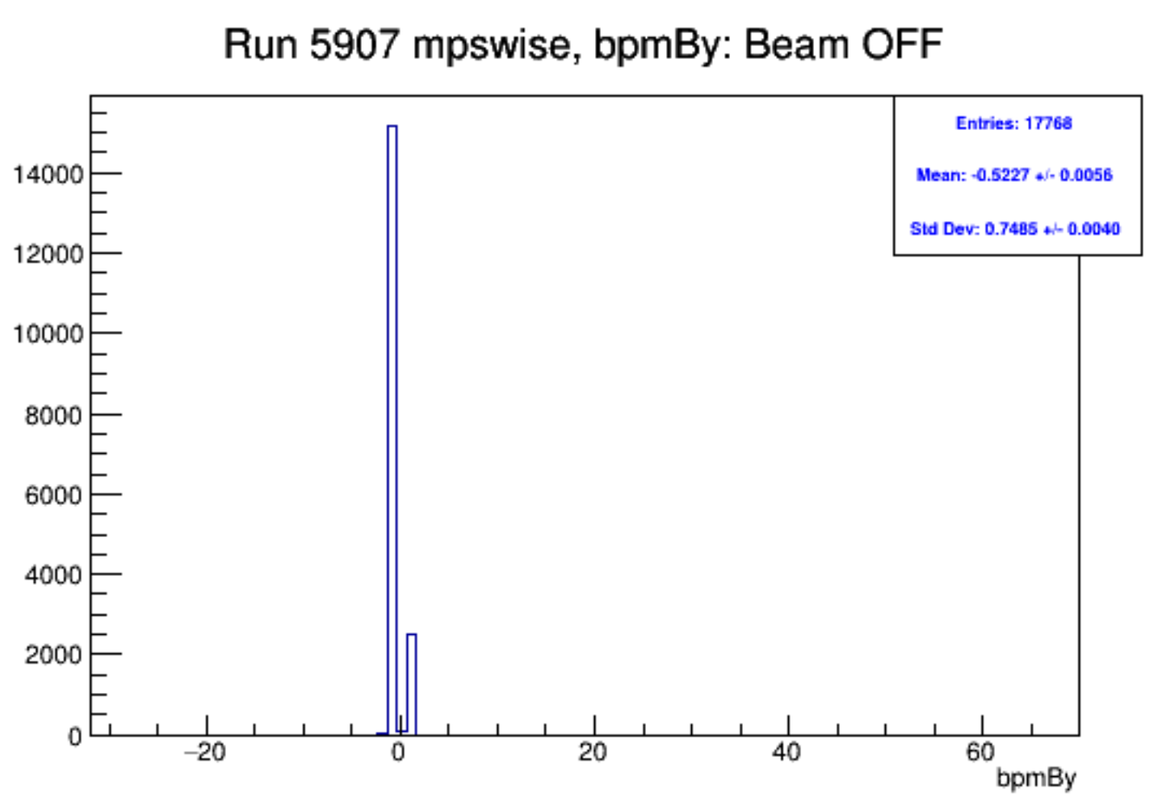

Run 5907 mpswise, bpmBx: All
×10^3
Entries: 222568
Mean: 0.1638 +/- 0.0009
Std Dev: 0.4108 +/- 0.0006
bpmBx

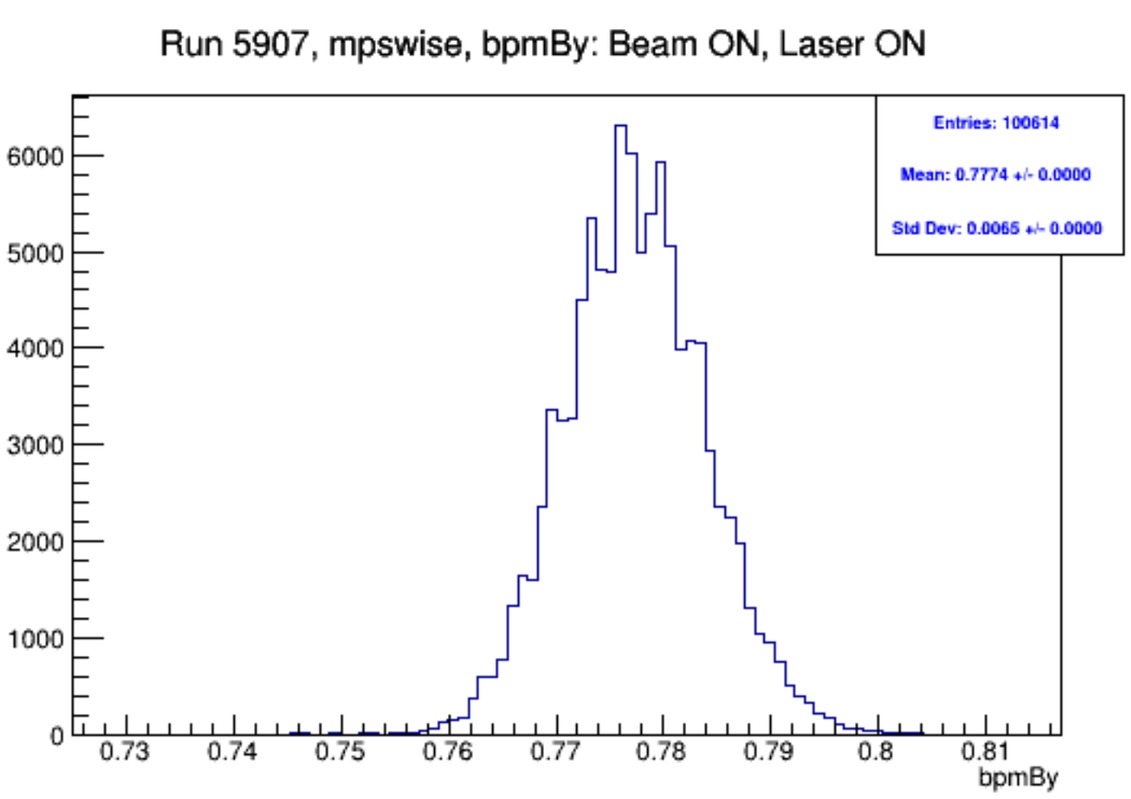

Run 5907 mpswise, bpmBx: Beam OFF
Entries: 17768
Mean: 1.3478 +/- 0.0056
Std Dev: 0.7456 +/- 0.0040
bpmBx

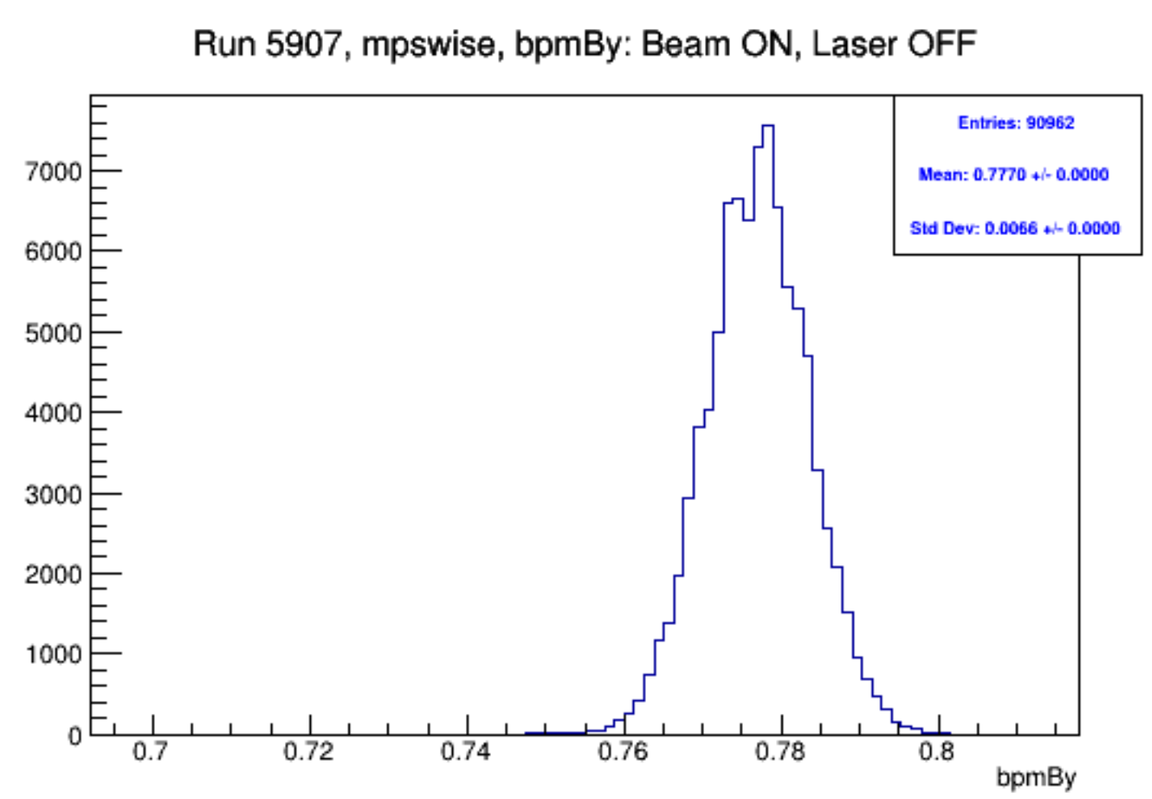

Run 5907, mpswise, bpmBx: Beam ON, Laser ON
Entries: 100614
Mean: 0.0575 +/- 0.0001
Std Dev: 0.0172 +/- 0.0000
bpmBx

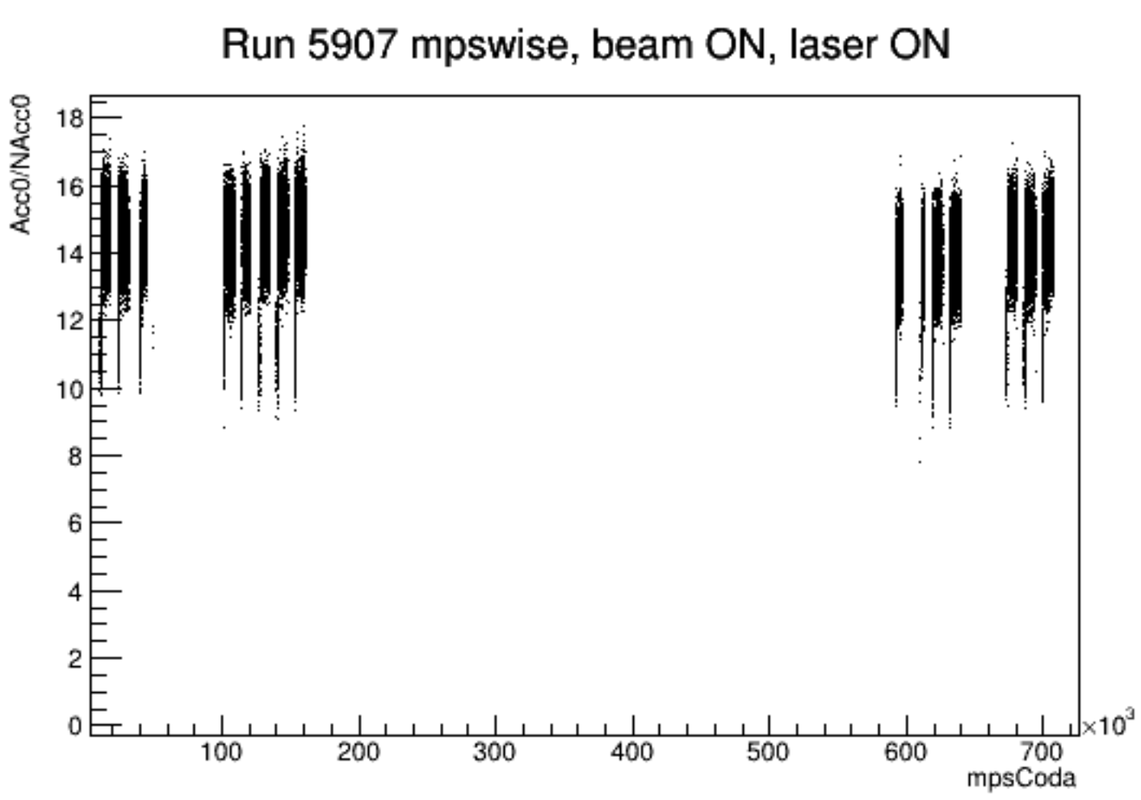

Run 5907, mpswise, bpmBx: Beam ON, Laser OFF
Entries: 90962
Mean: 0.0607 +/- 0.0001
Std Dev: 0.0196 +/- 0.0000
bpmBx

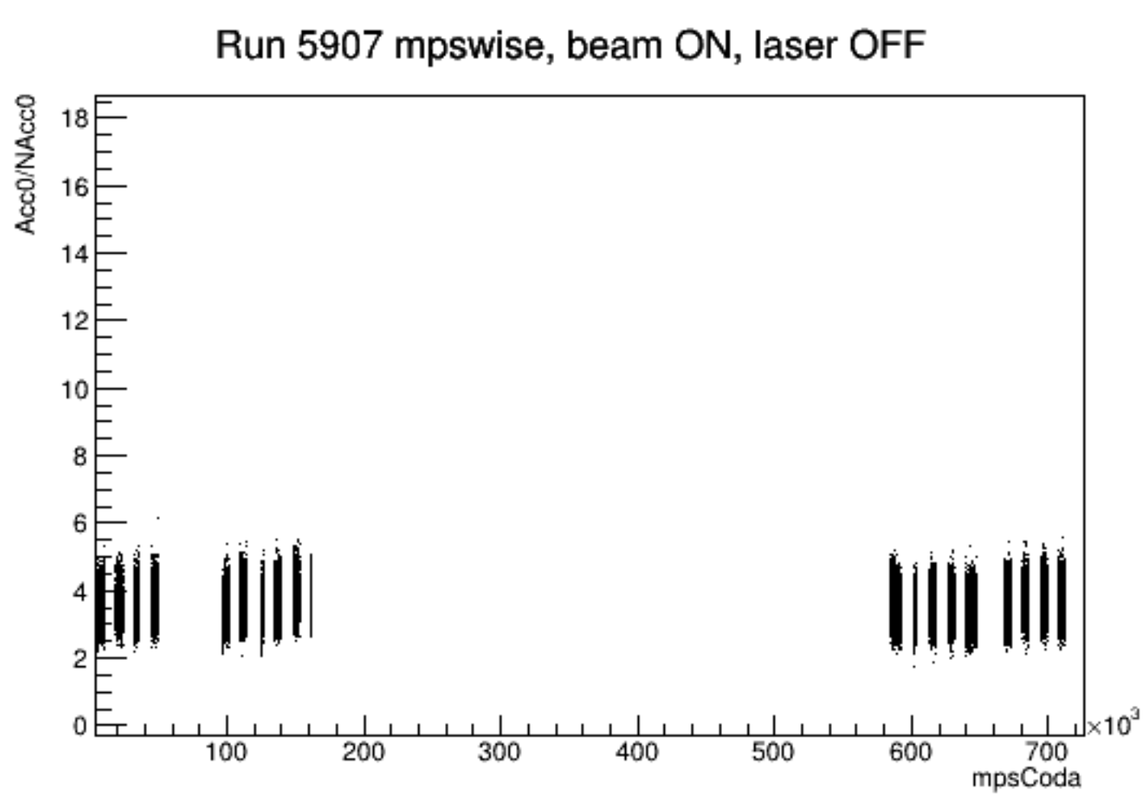

Run 5907 mpswise, bpmBy: All
×10^3
Entries: 222568
Mean: 0.6718 +/- 0.0009
Std Dev: 0.4135 +/- 0.0006
200
180
160
140
120
100
80
60
40
20
0
−20
0
20
40
60
bpmBy

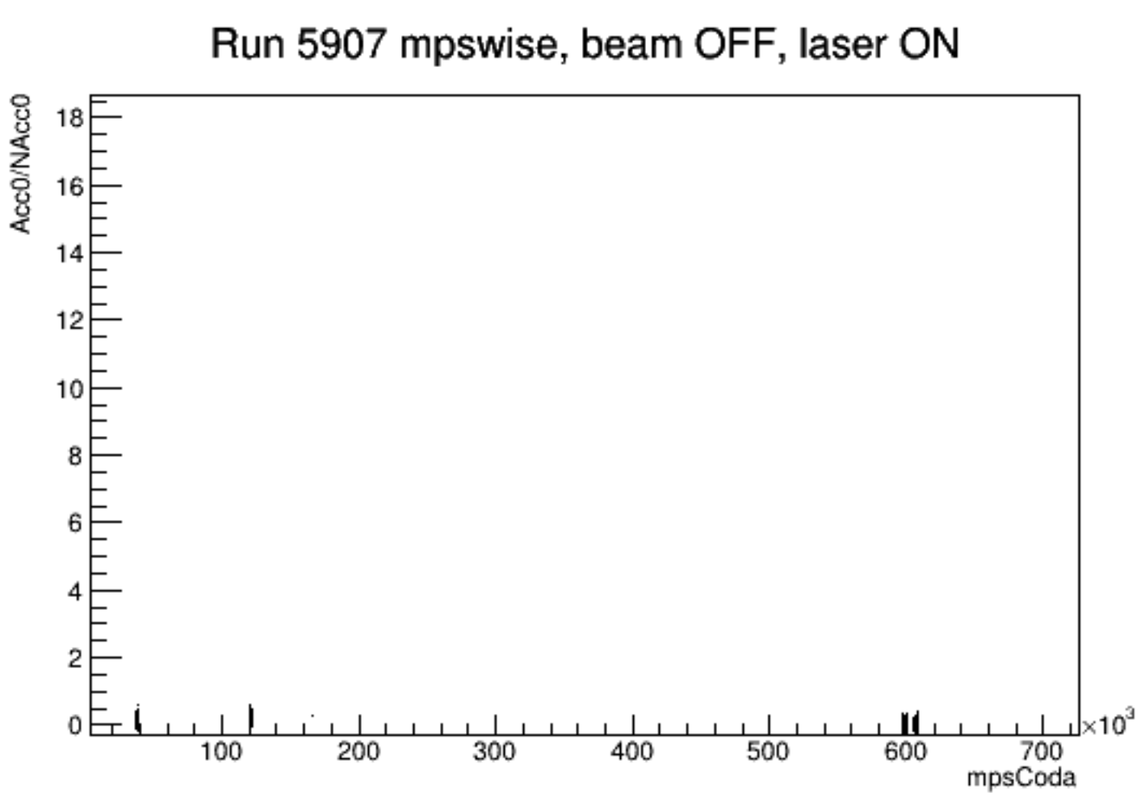

Run 5907 mpswise, bpmBy: Beam OFF
Entries: 17768
Mean: -0.5227 +/- 0.0056
Std Dev: 0.7485 +/- 0.0040
14000
12000
10000
8000
6000
4000
2000
0
−20
0
20
40
60
bpmBy

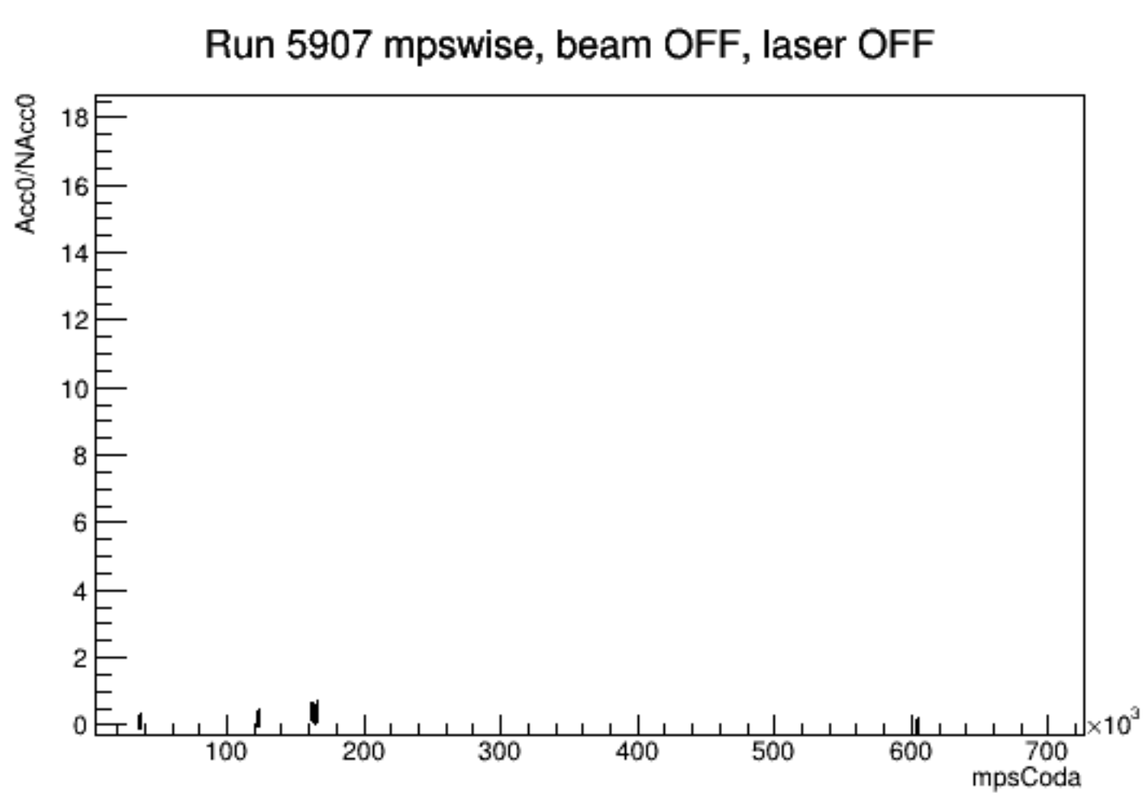

Run 5907, mpswise, bpmBy: Beam ON, Laser ON
Entries: 100614
Mean: 0.7774 +/- 0.0000
Std Dev: 0.0065 +/- 0.0000
6000
5000
4000
3000
2000
1000
0
0.73
0.74
0.75
0.76
0.77
0.78
0.79
0.8
0.81
bpmBy

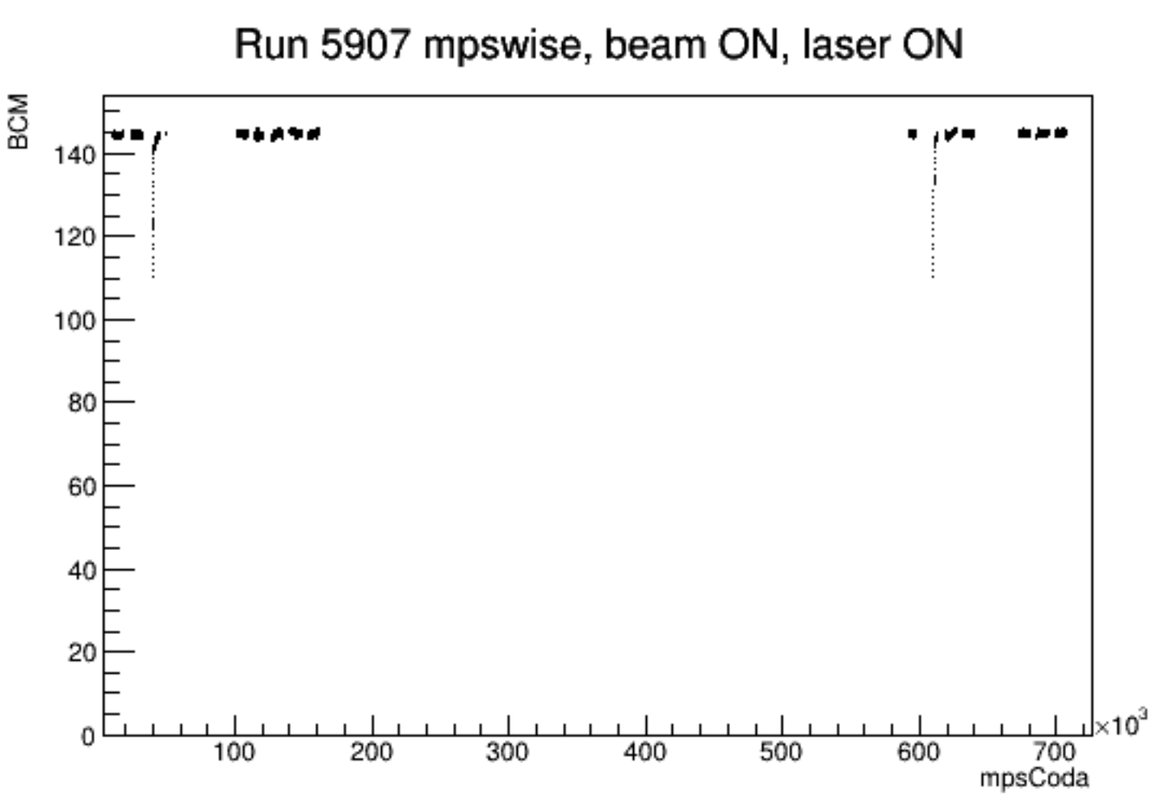

Run 5907, mpswise, bpmBy: Beam ON, Laser OFF
Entries: 90962
Mean: 0.7770 +/- 0.0000
Std Dev: 0.0066 +/- 0.0000
7000
6000
5000
4000
3000
2000
1000
0
0.7
0.72
0.74
0.76
0.78
0.8
bpmBy

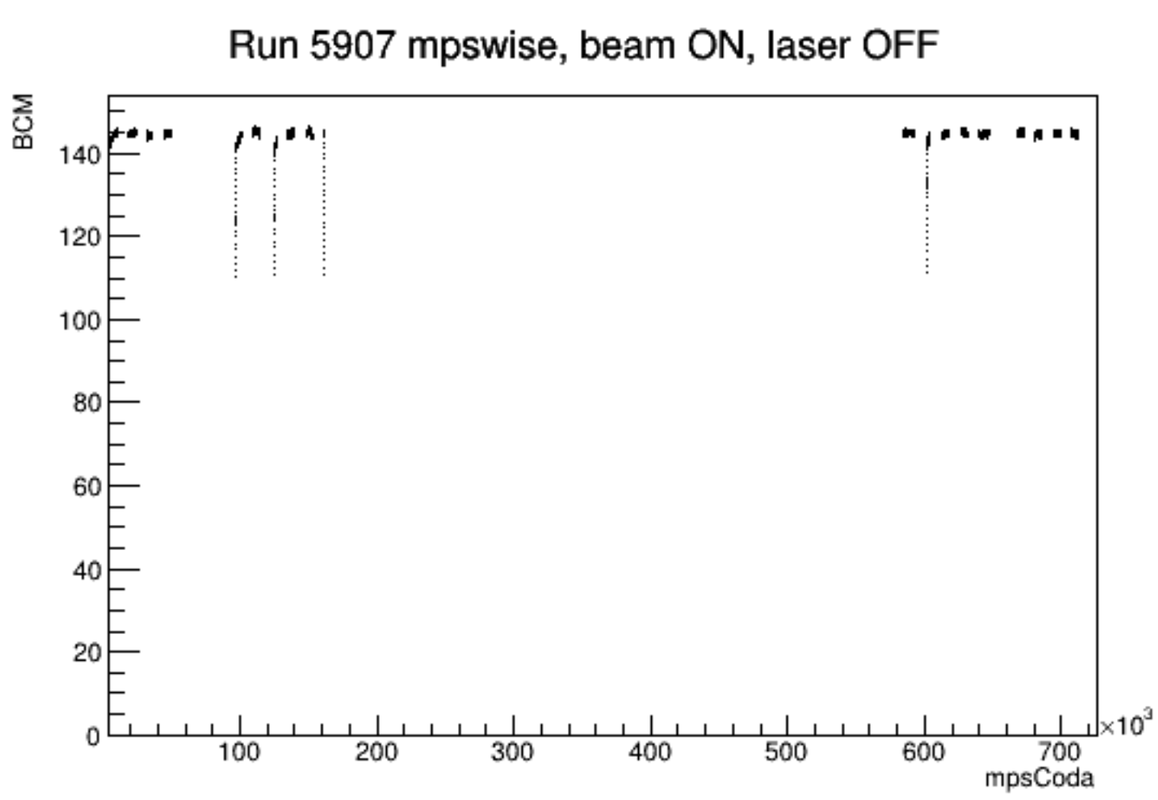

Run 5907 mpswise, beam ON, laser ON
Acc0/NAcc0
mpsCoda
×10^3

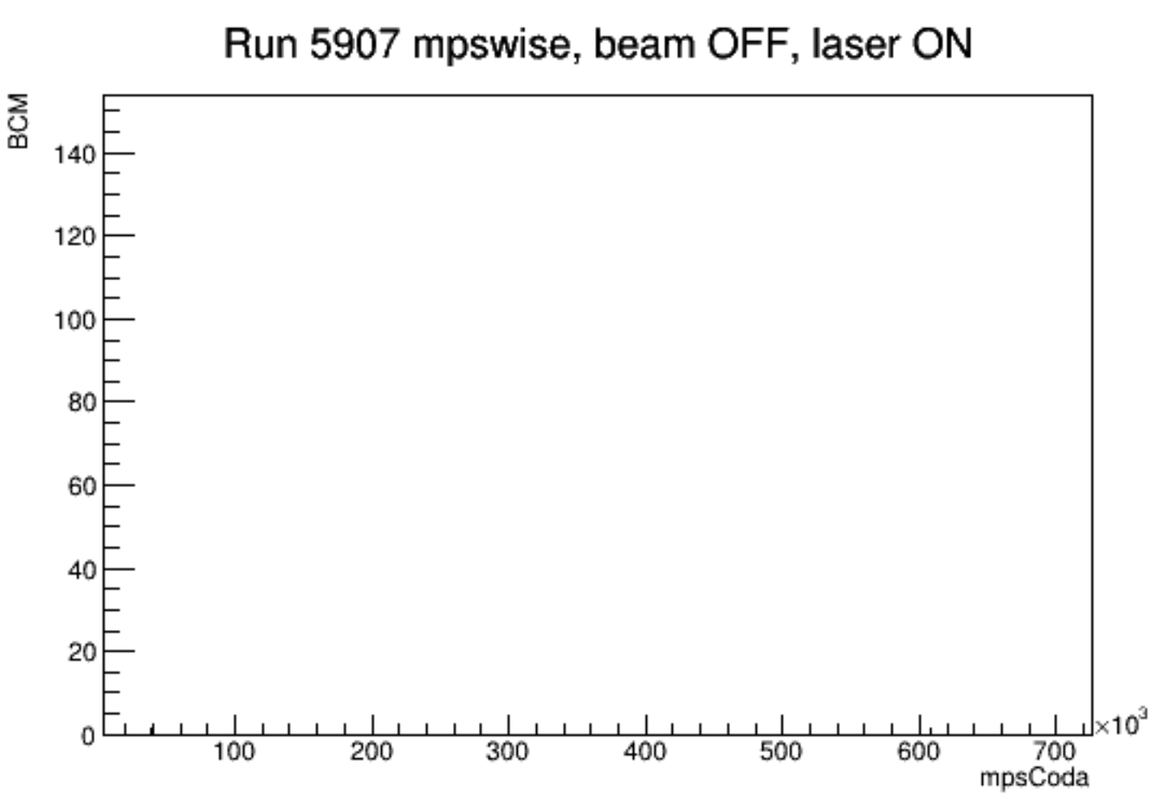

Run 5907 mpswise, beam ON, laser OFF
Acc0/NAcc0
mpsCoda
×10^3

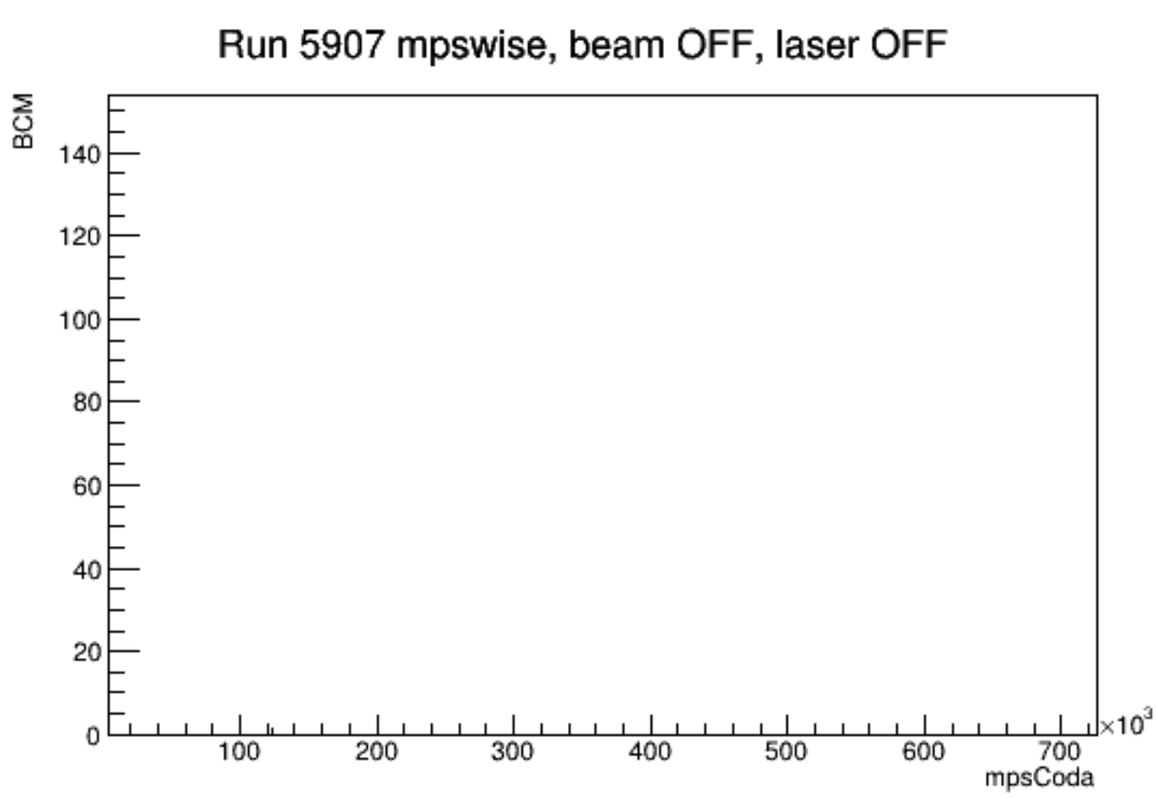

Run 5907 mpswise, beam OFF, laser ON
Acc0/NAcc0
mpsCoda
×10^3

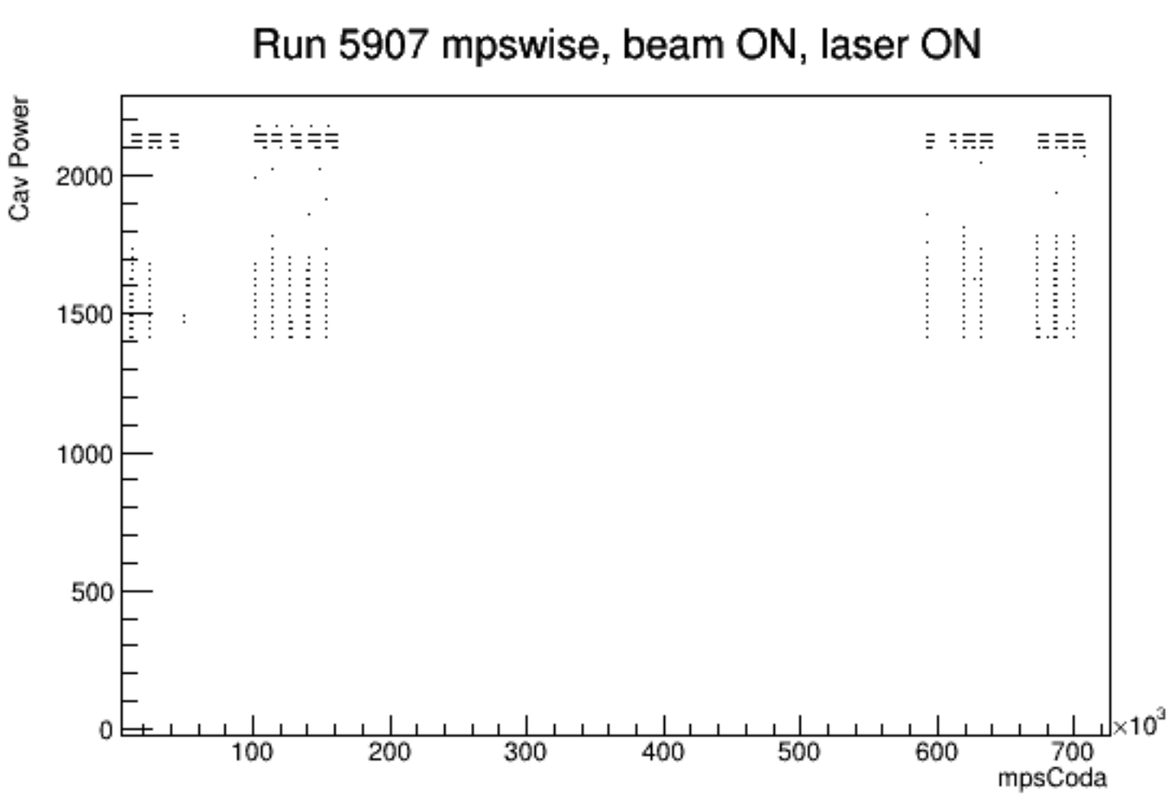

Run 5907 mpswise, beam OFF, laser OFF
Acc0/NAcc0
mpsCoda
×10^3


Run 5907 mpswise, beam ON, laser ON
BCM
0
20
40
60
80
100
120
140
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser OFF
BCM
0
20
40
60
80
100
120
140
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser ON
BCM
0
20
40
60
80
100
120
140
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser OFF
BCM
0
20
40
60
80
100
120
140
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser ON
Cav Power
2000
1500
1000
500
0
100
200
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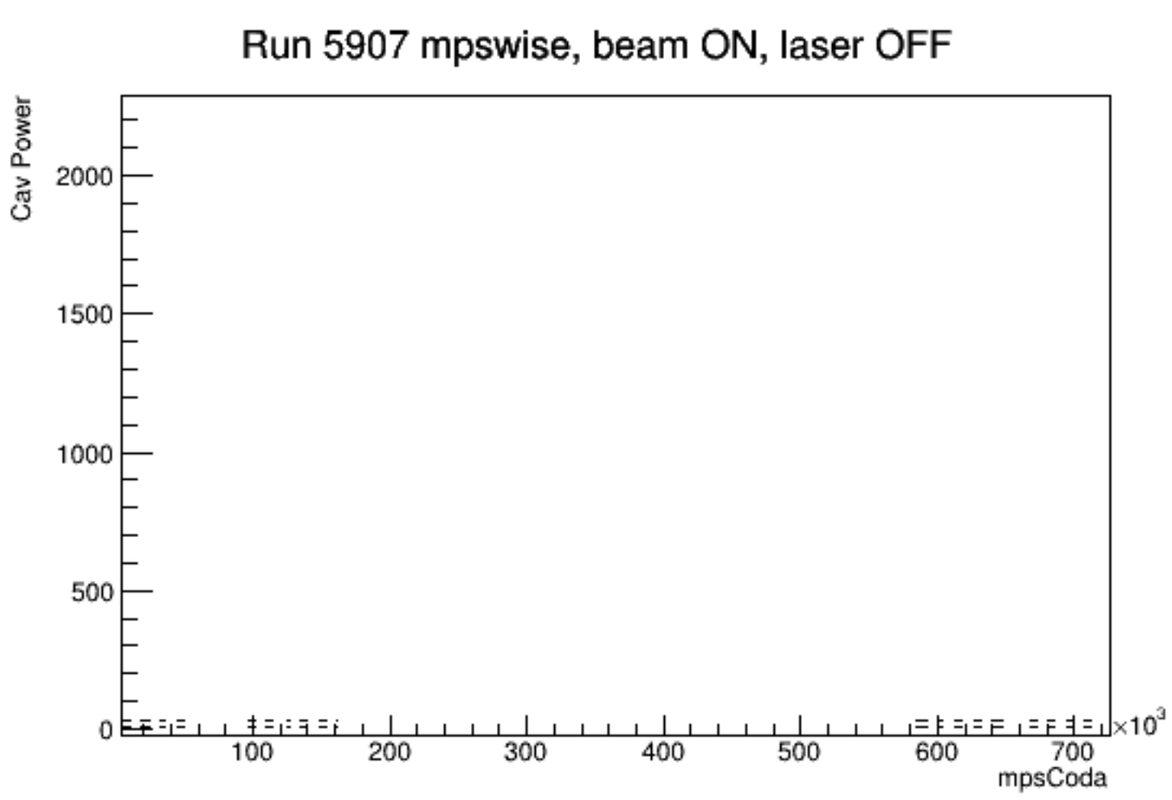
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser OFF
Cav Power
2000
1500
1000
500
0
100
200
300
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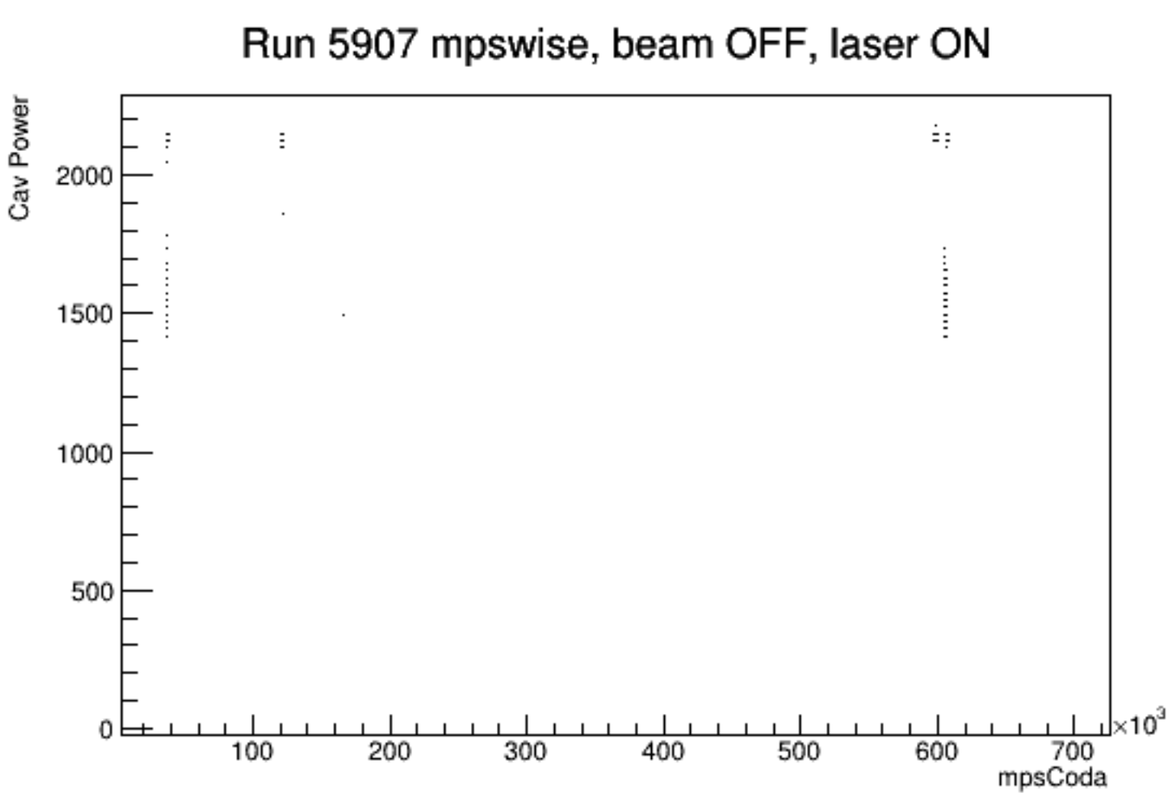
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser ON
Cav Power
2000
1500
1000
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0
100
200
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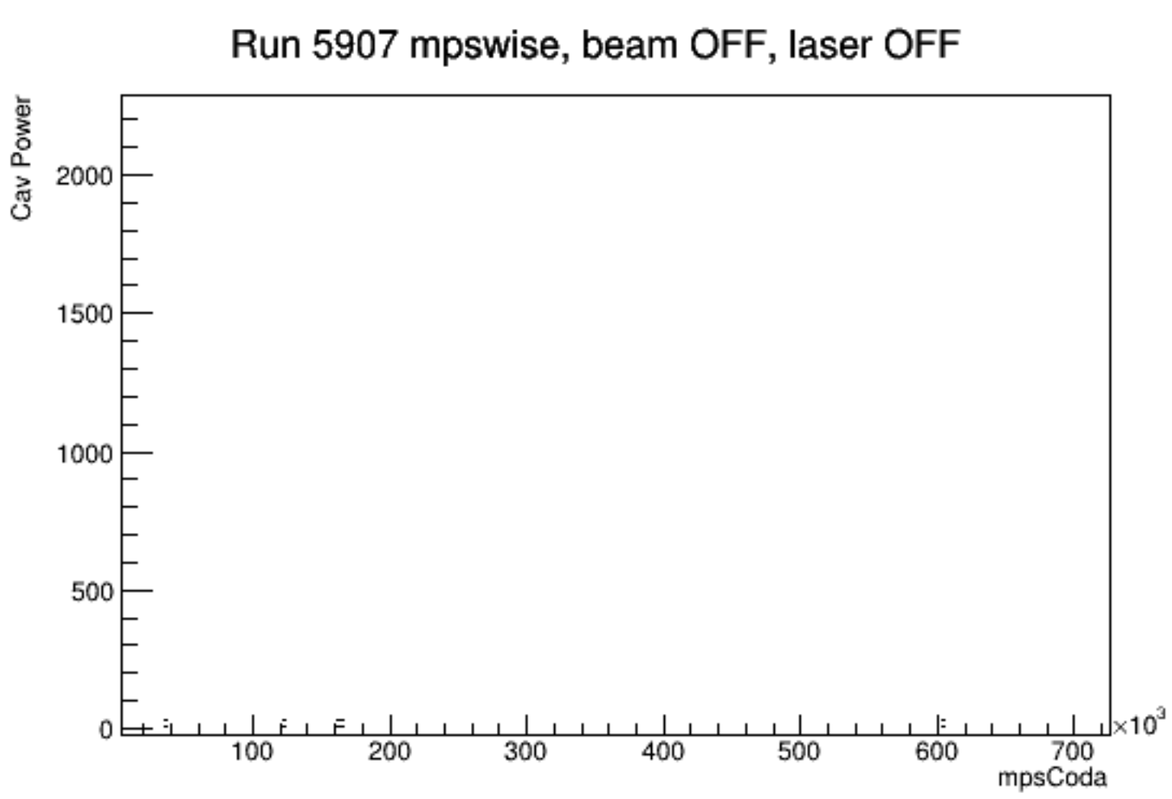
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser OFF
Cav Power
2000
1500
1000
500
0
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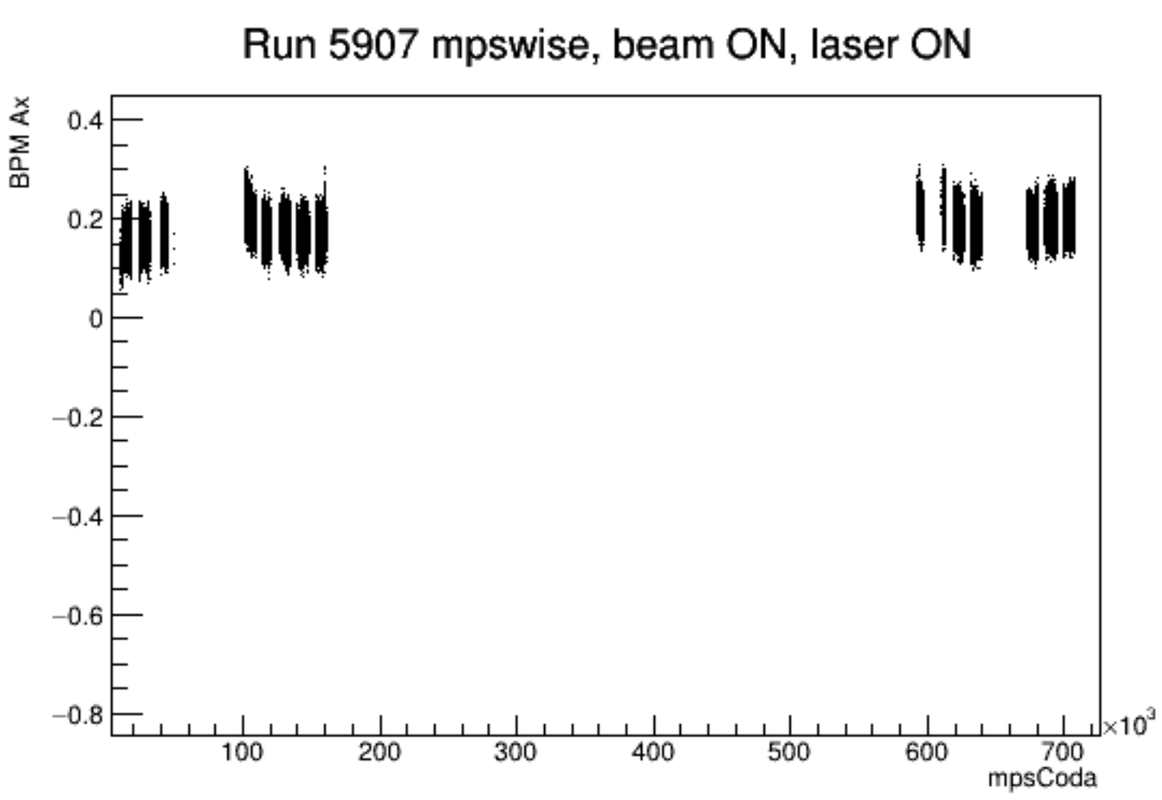
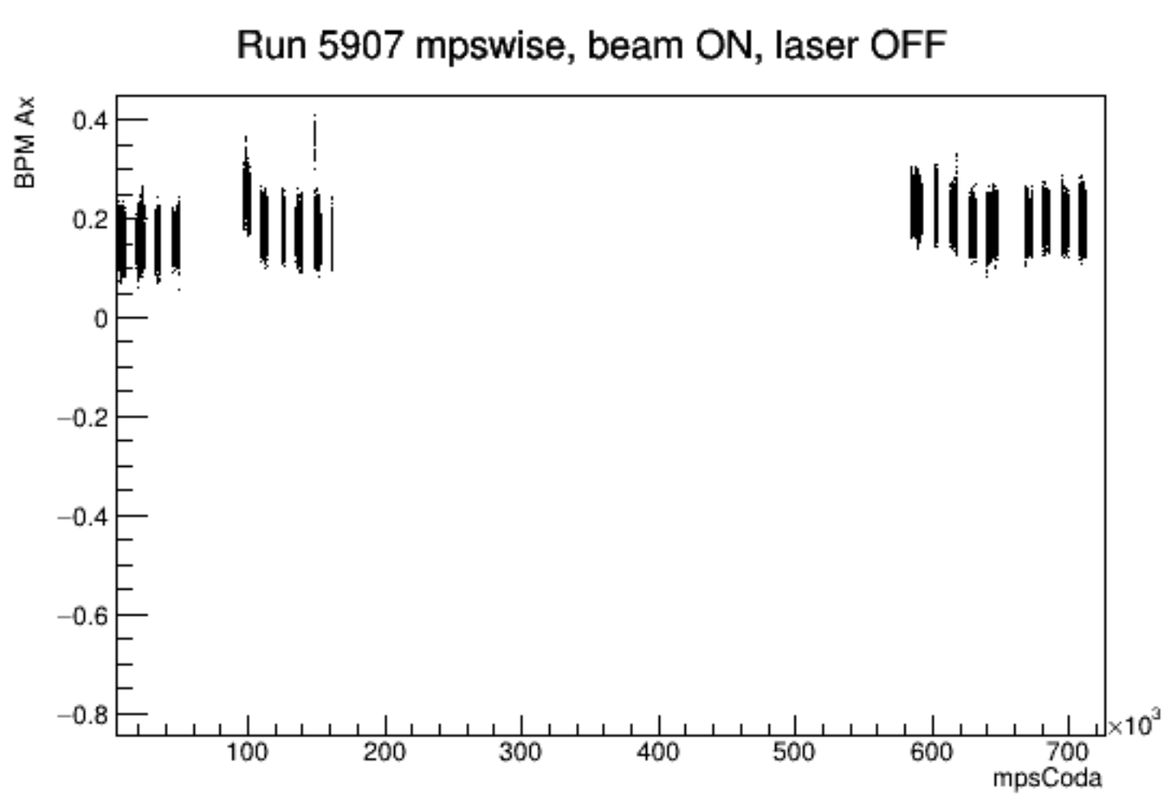
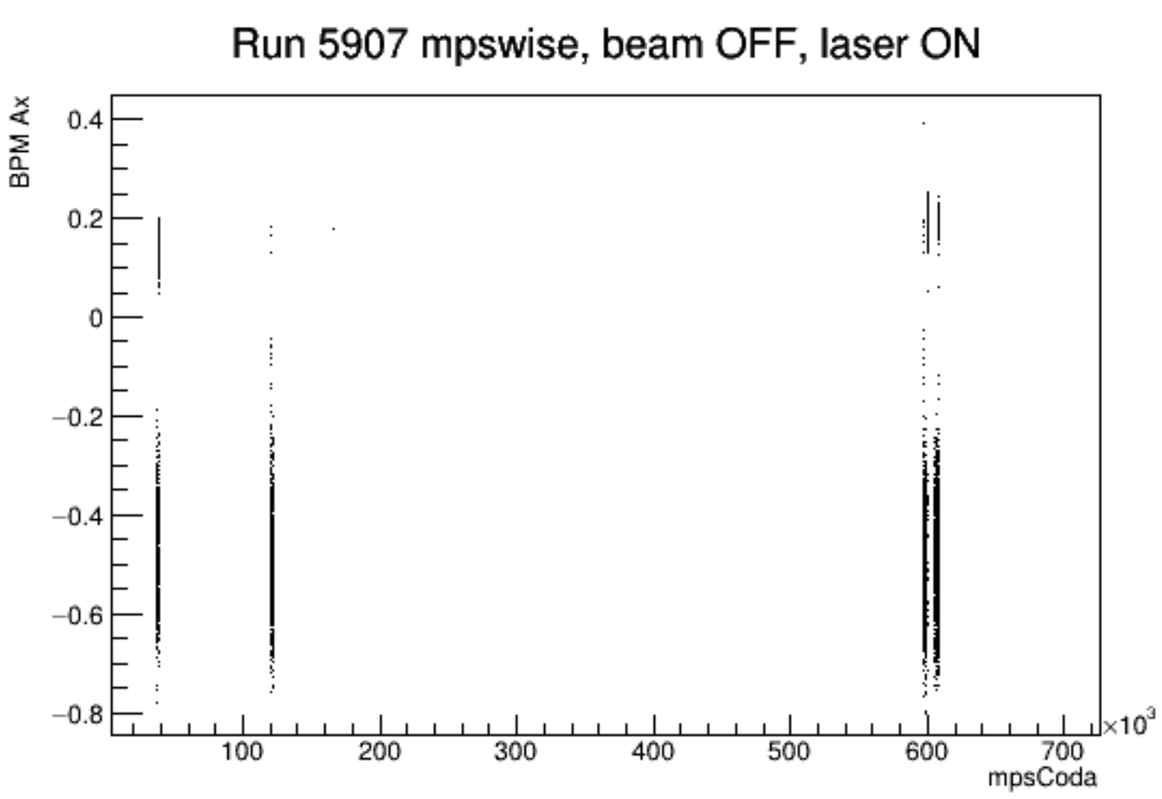
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser ON
BPM Ax
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser OFF
BPM Ax
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser ON
BPM Ax
0.4
0.2
0
−0.2
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−0.6
−0.8
100
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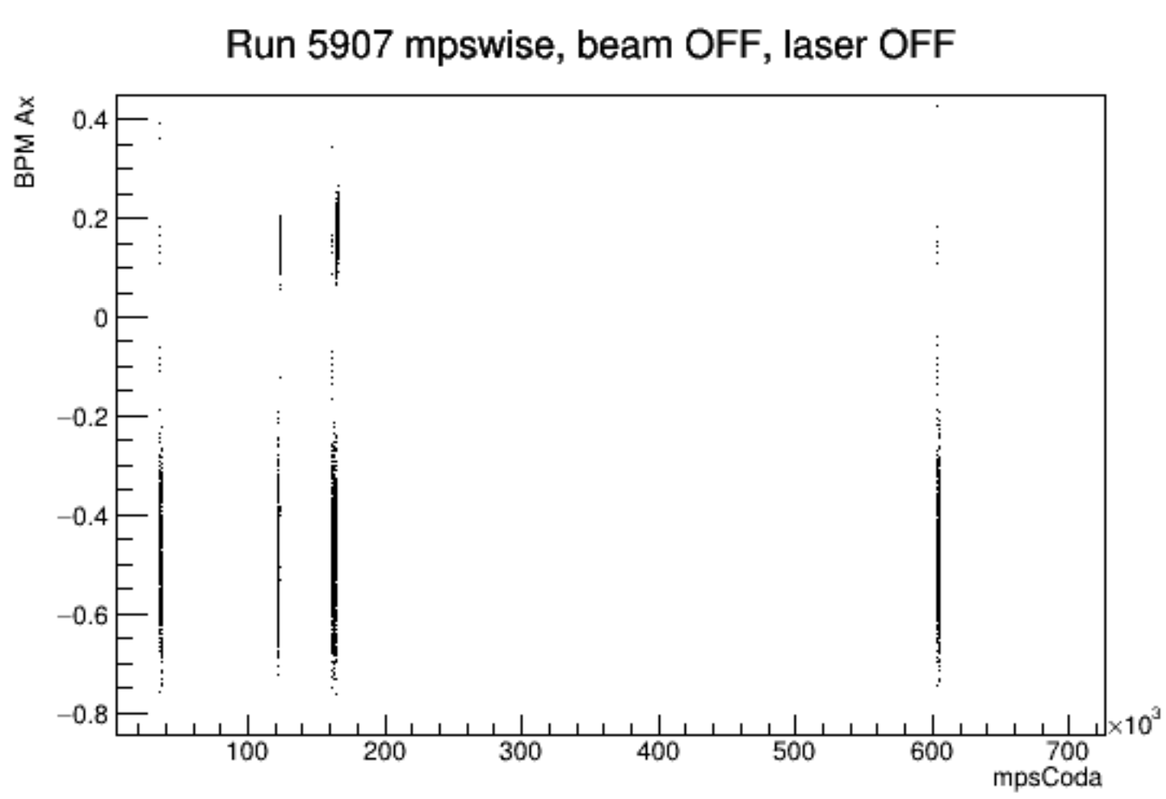
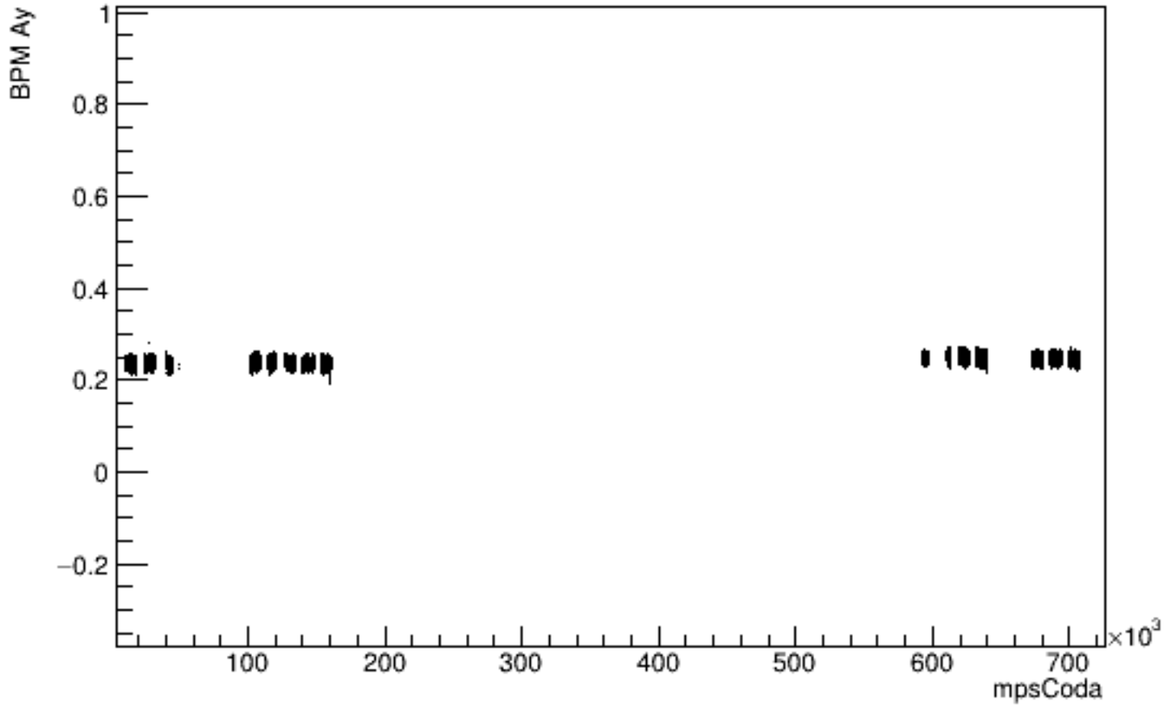
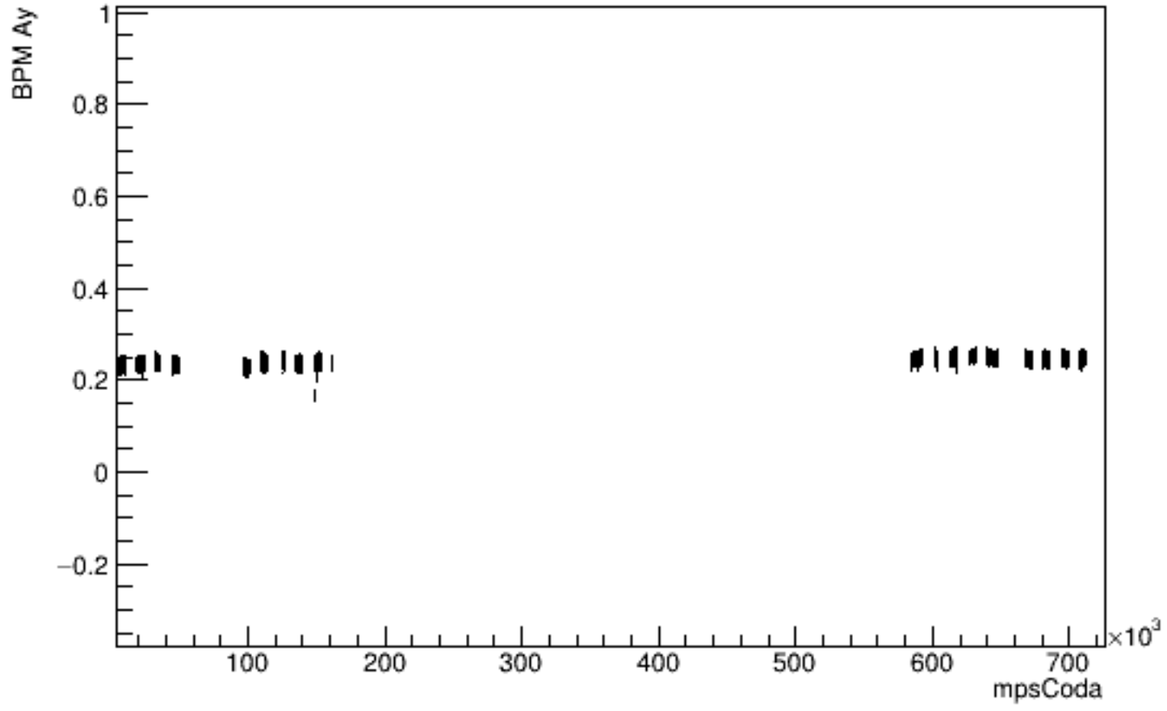
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser OFF
BPM Ax
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
200
300
400
500
600
700
×10^3
mpsCoda

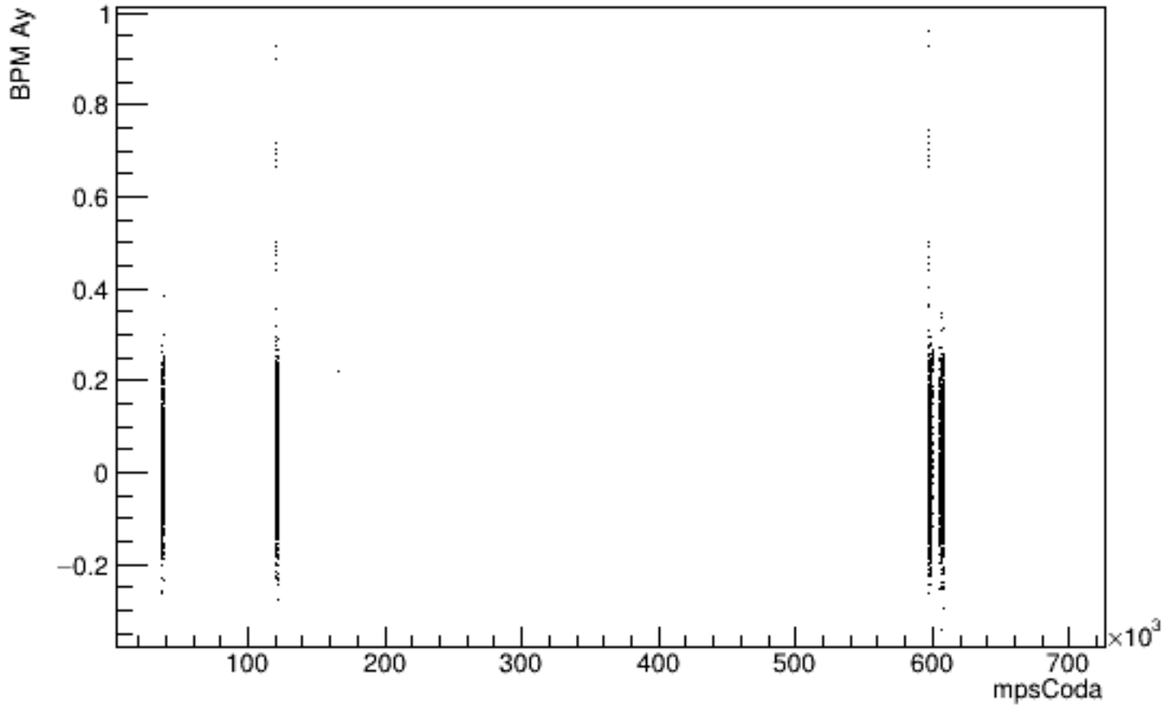
Run 5907 mpswise, beam ON, laser ON



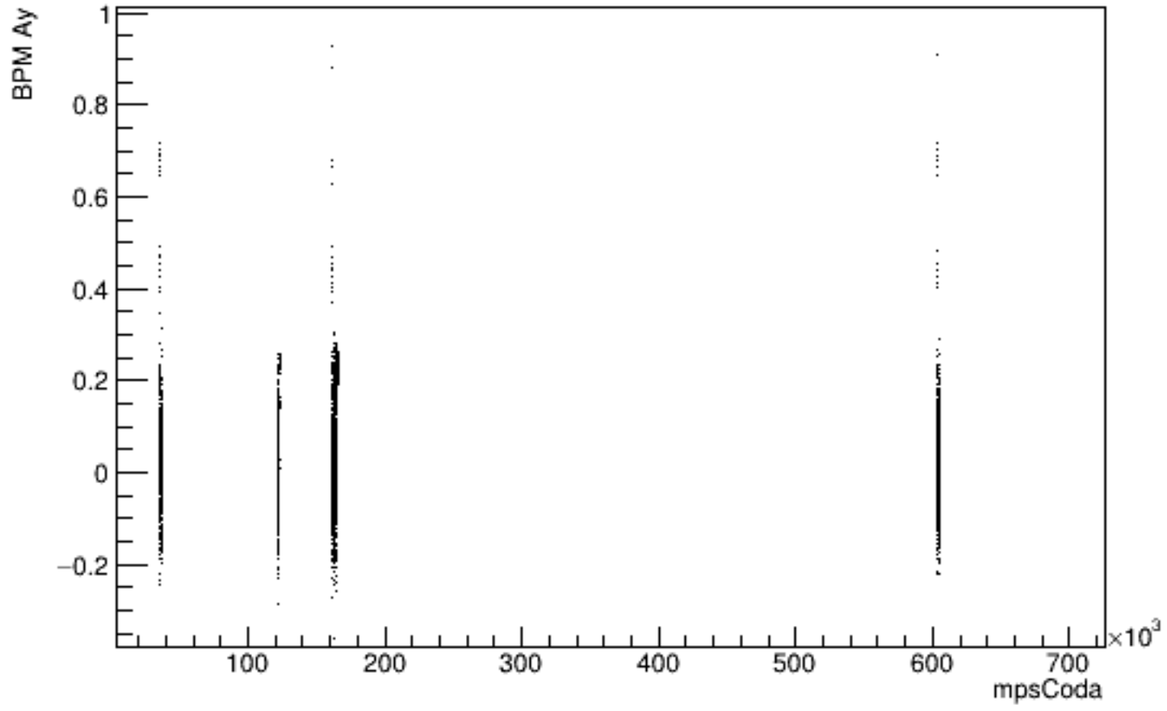

Run 5907 mpswise, beam ON, laser OFF

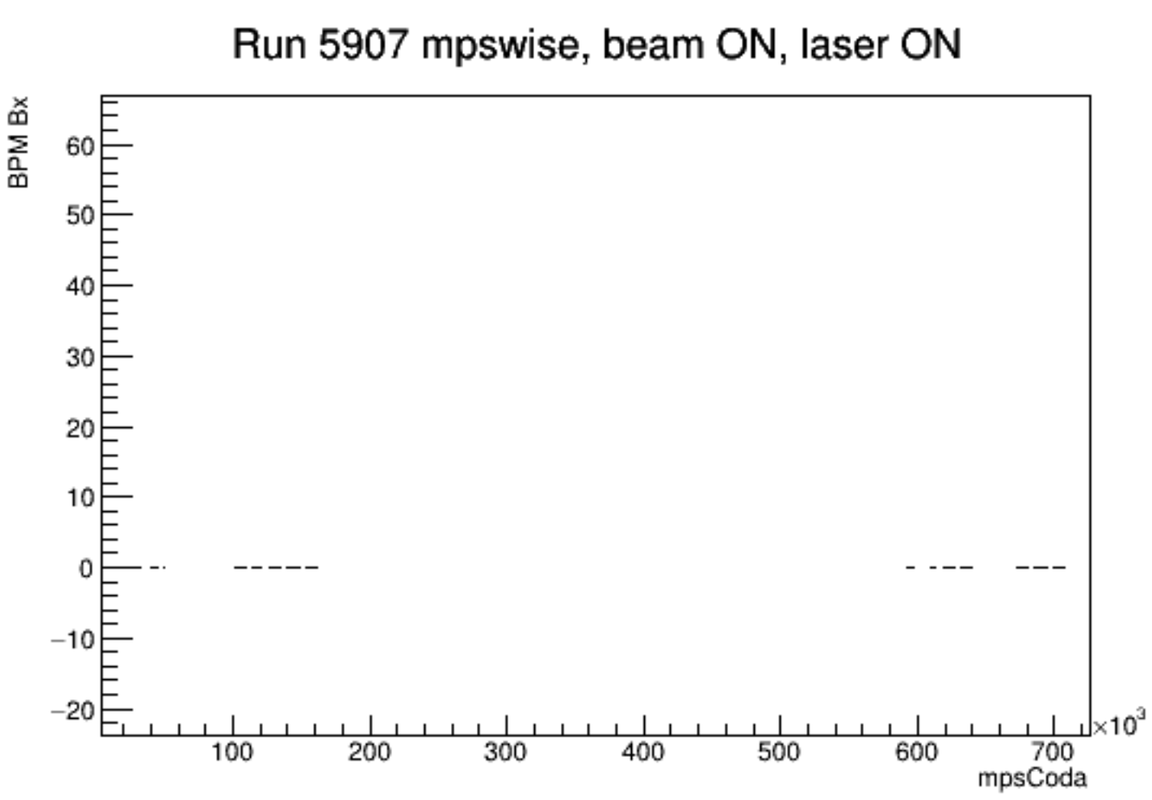



Run 5907 mpswise, beam OFF, laser ON




Run 5907 mpswise, beam OFF, laser OFF




Run 5907 mpswise, beam ON, laser ON
BPM Bx
60
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−10
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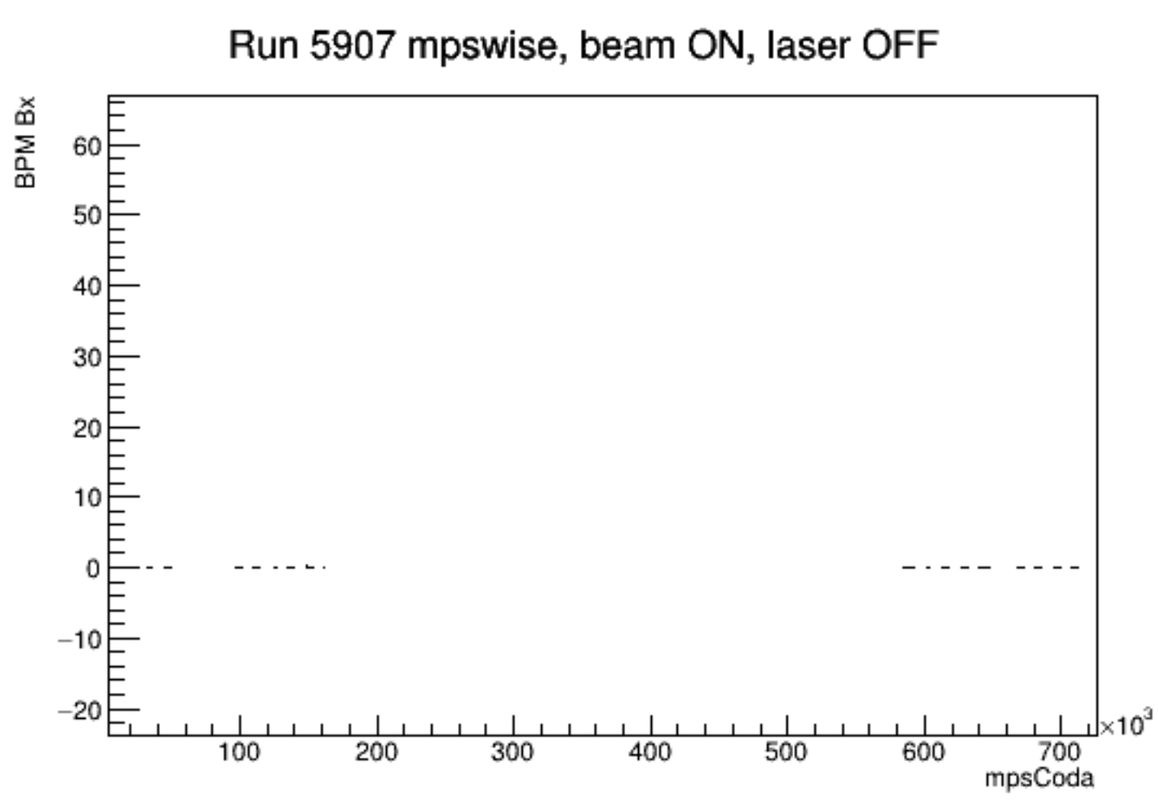
100
200
300
400
500
600
700
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser OFF
BPM Bx
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100
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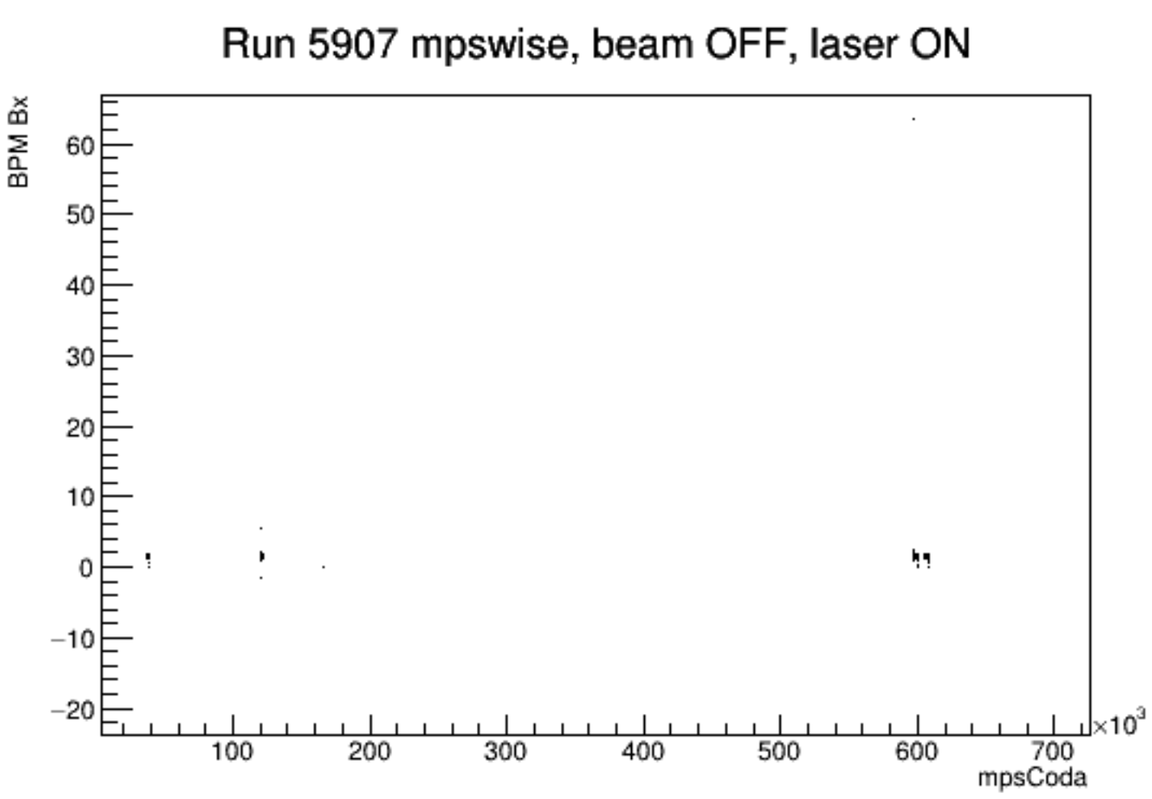
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser ON
BPM Bx
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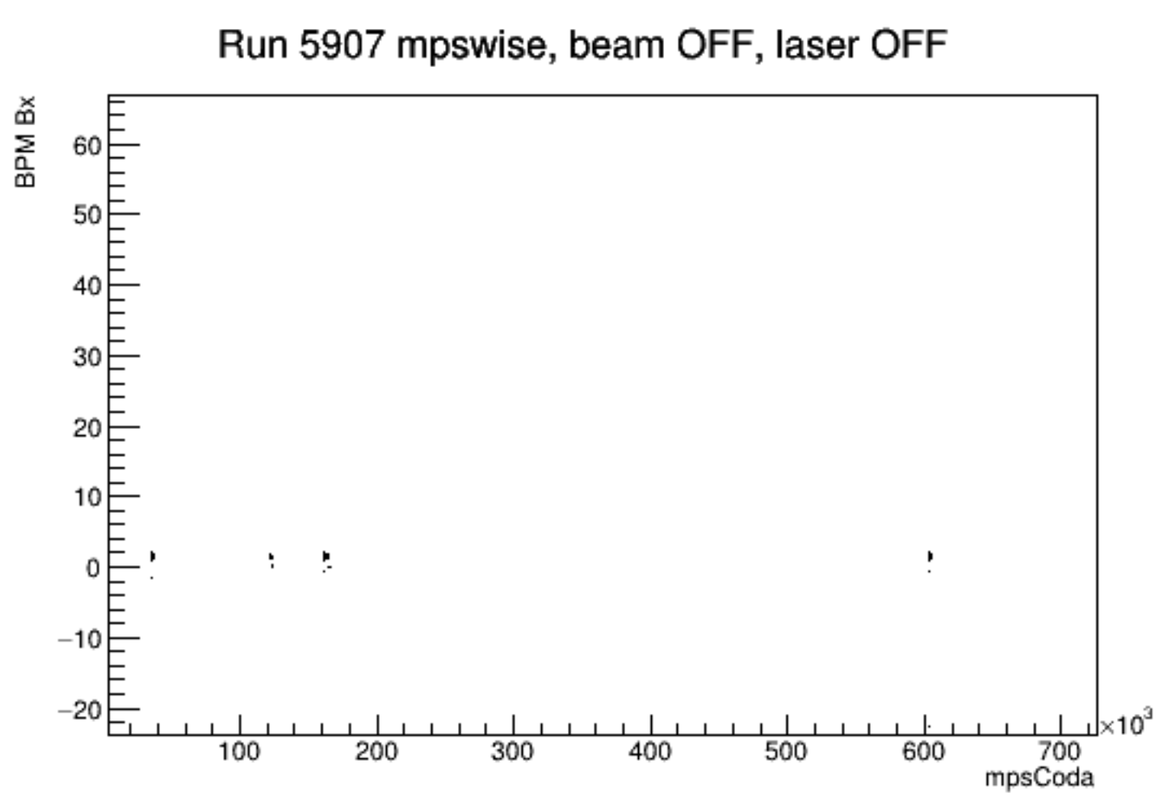
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser OFF
BPM Bx
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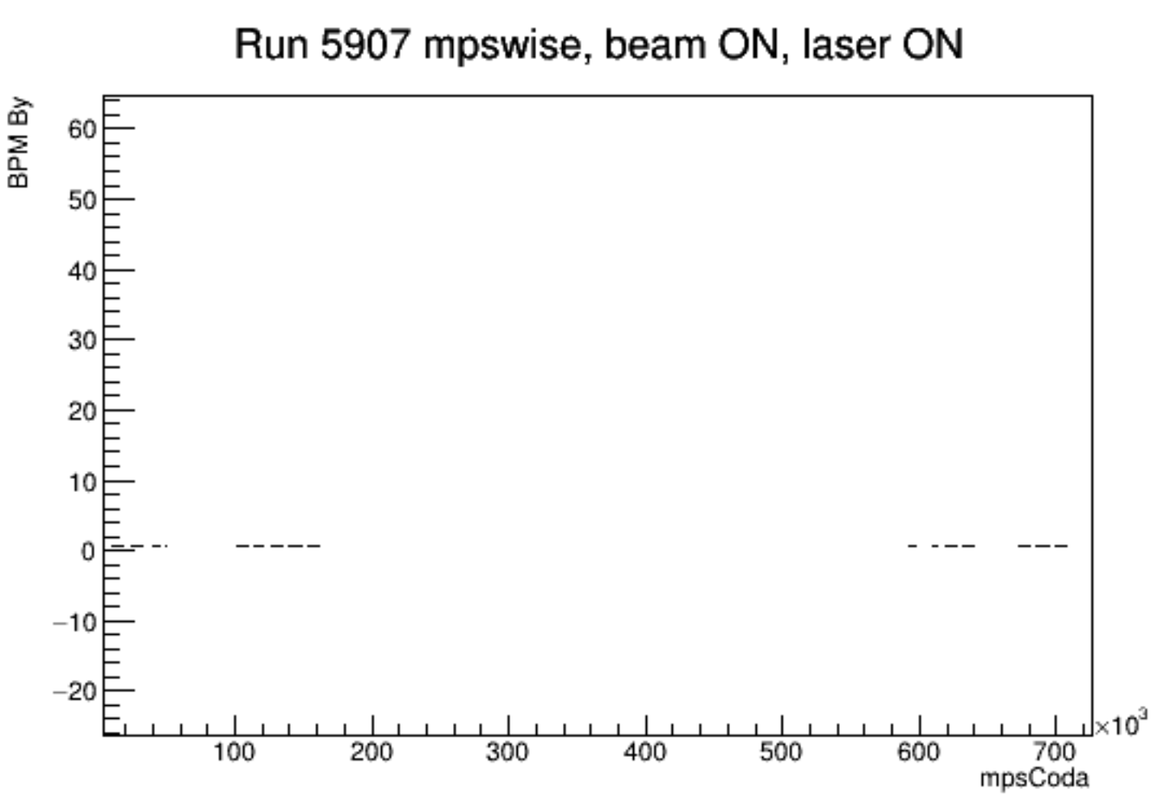
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser ON
BPM By
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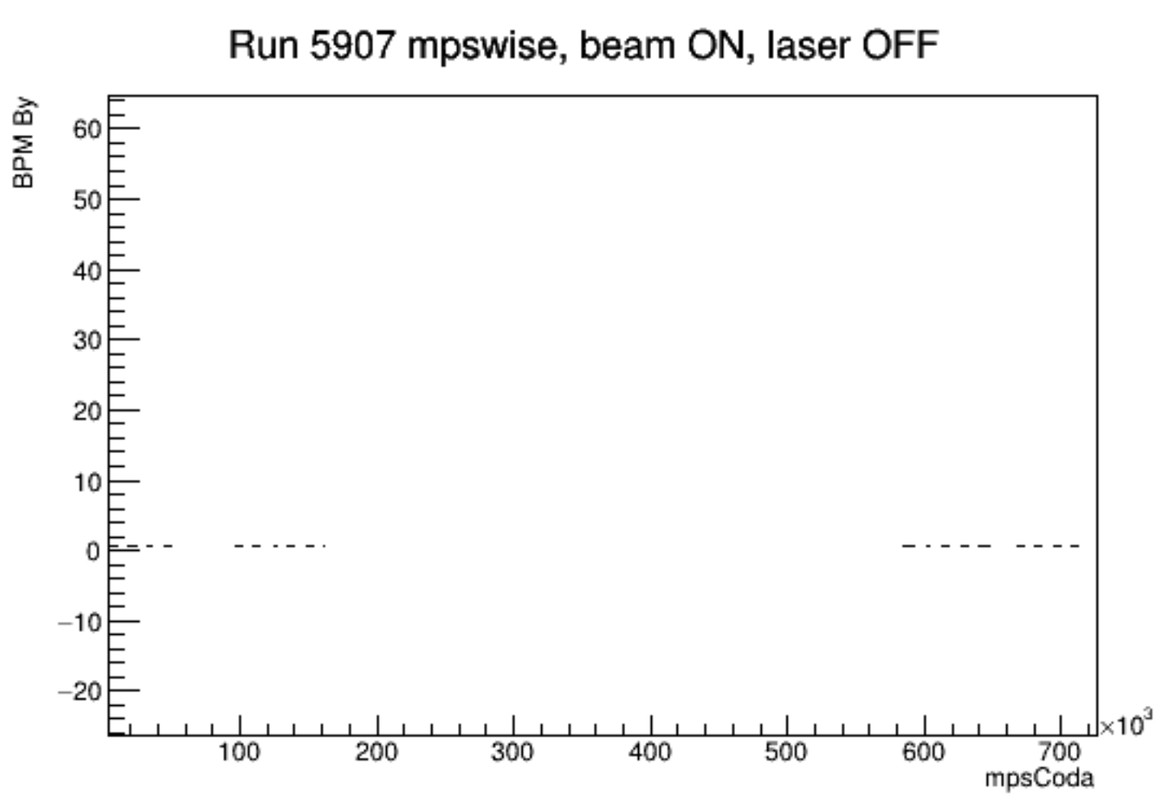
×10^3
mpsCoda


Run 5907 mpswise, beam ON, laser OFF
BPM By
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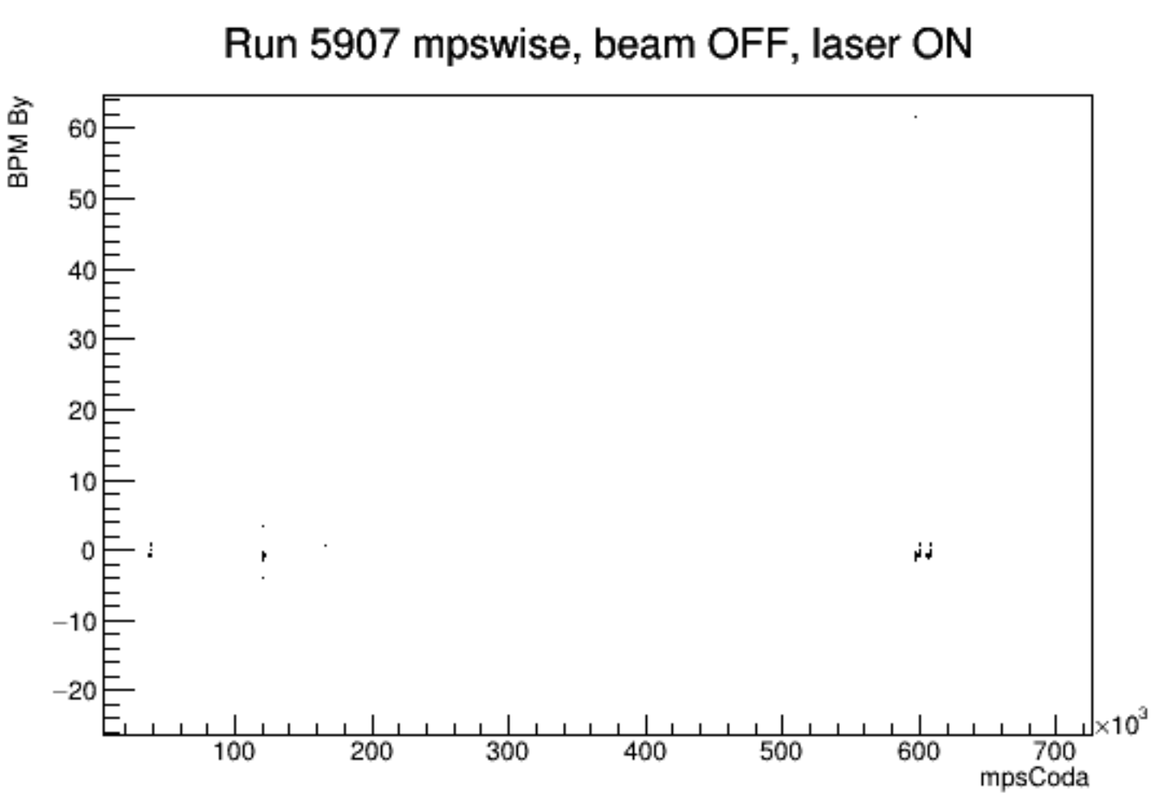
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser ON
BPM By
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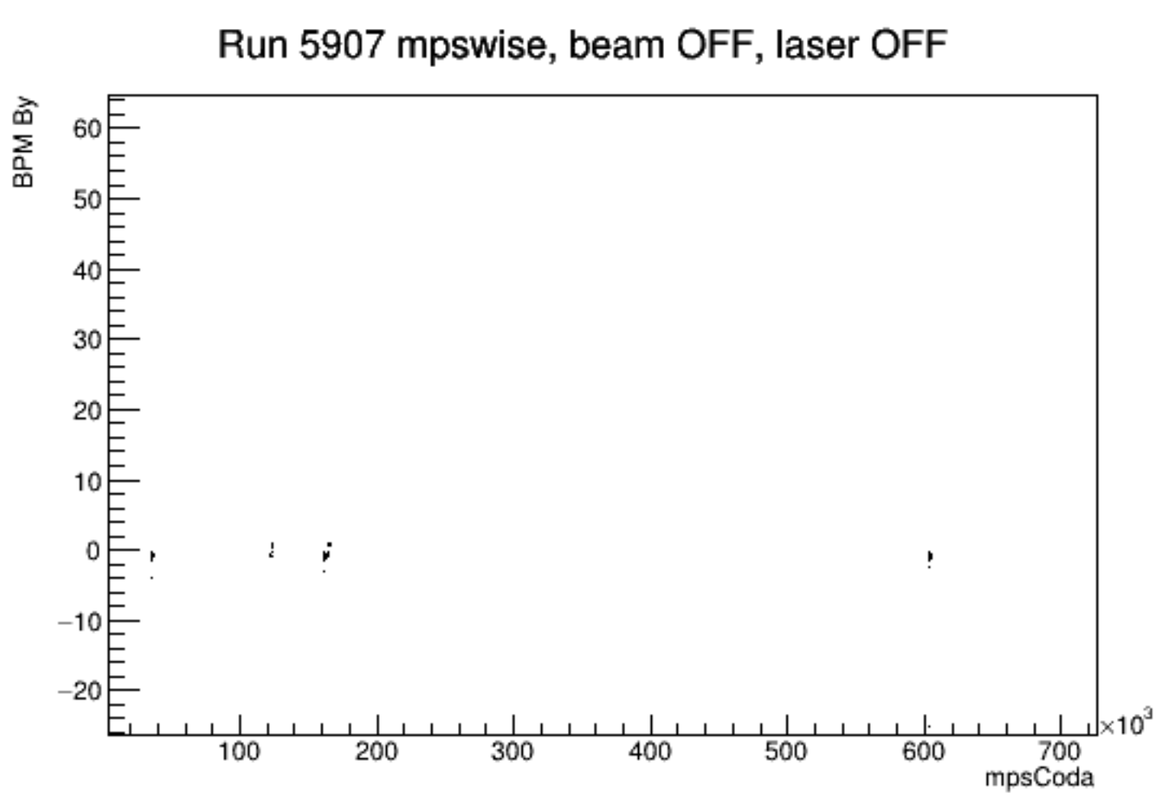
×10^3
mpsCoda


Run 5907 mpswise, beam OFF, laser OFF
BPM By
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×10^3
mpsCoda