

Cycle 1, Diffs

Entries: 1007

Mean: -0.0214 +/- 0.0115

Std Dev: 0.3654 +/- 0.0081

Entries: 2235

Mean: 0.8293 +/- 0.0163

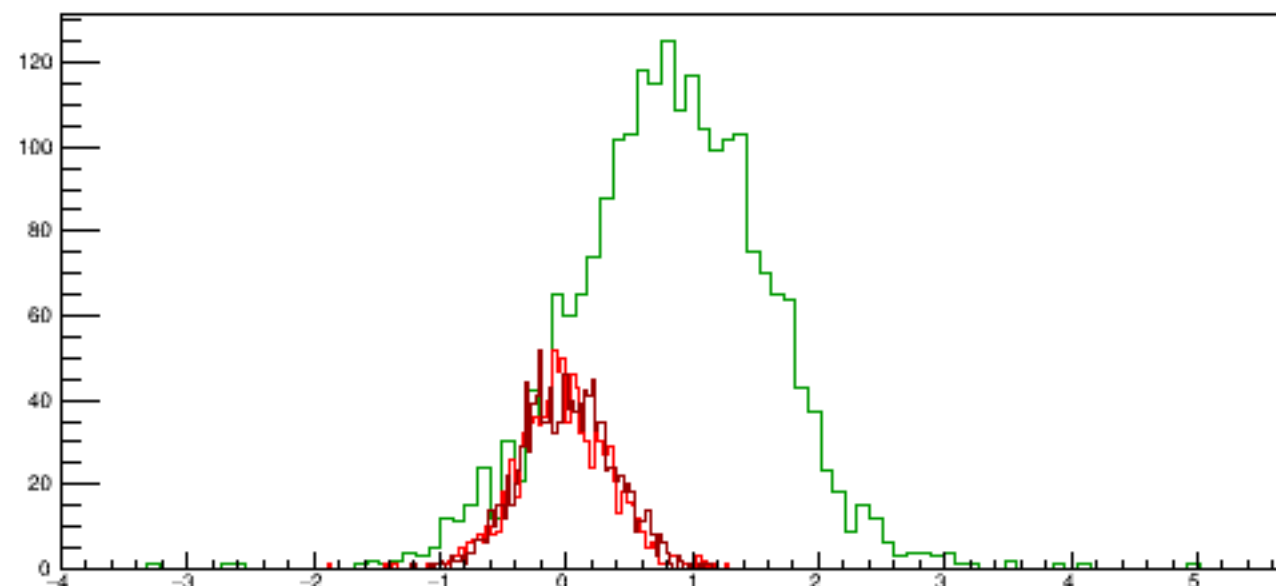
Std Dev: 0.7701 +/- 0.0115

Entries: 1378

Mean: 0.0081 +/- 0.0096

Std Dev: 0.3573 +/- 0.0068

Run 5111 quartetwise, Diffs



Cycle 1, Sums

Entries: 1007

Mean: 10.4718 +/- 0.0264

Std Dev: 0.8386 +/- 0.0187

Entries: 2235

Mean: 35.5011 +/- 0.0849

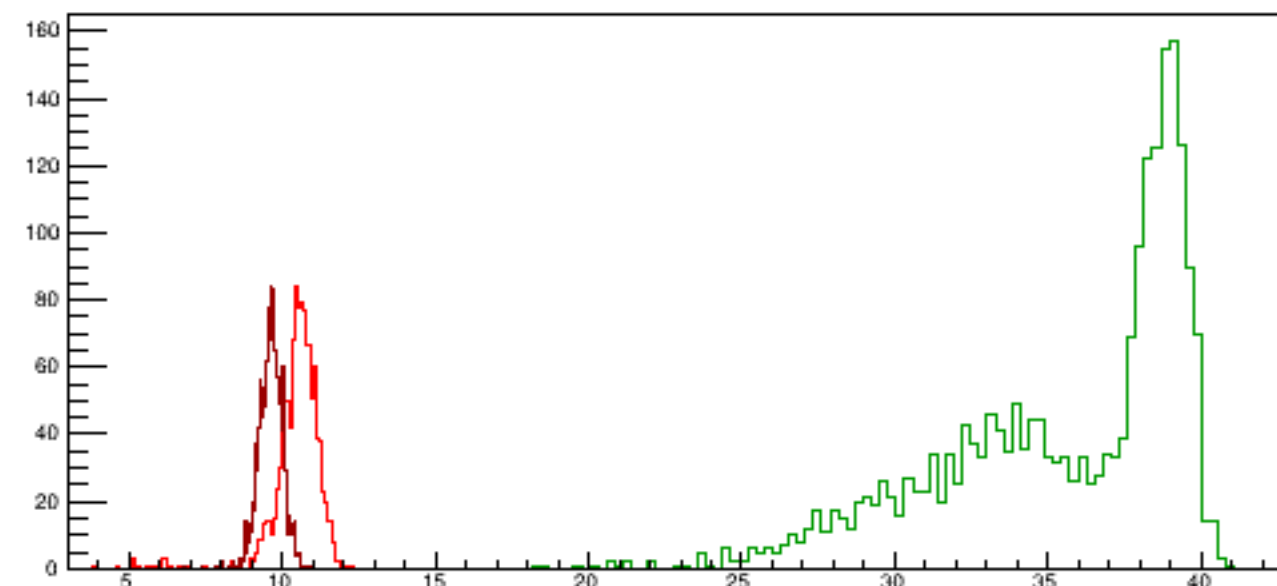
Std Dev: 4.0156 +/- 0.0601

Entries: 1378

Mean: 9.6204 +/- 0.0106

Std Dev: 0.3922 +/- 0.0075

Run 5111 quartetwise, Sums



Cycle 1, Asyms

Entries: 1007

Mean: -0.0008 +/- 0.0005

Std Dev: 0.0144 +/- 0.0003

Entries: 2235

Mean: 0.0330 +/- 0.0007

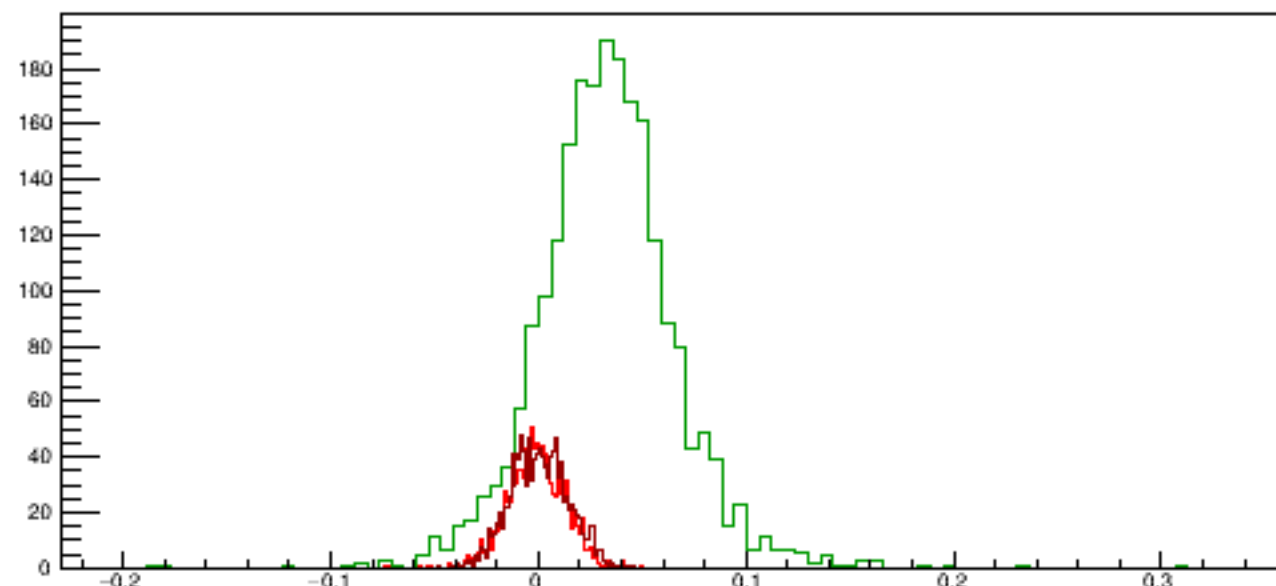
Std Dev: 0.0340 +/- 0.0005

Entries: 1378

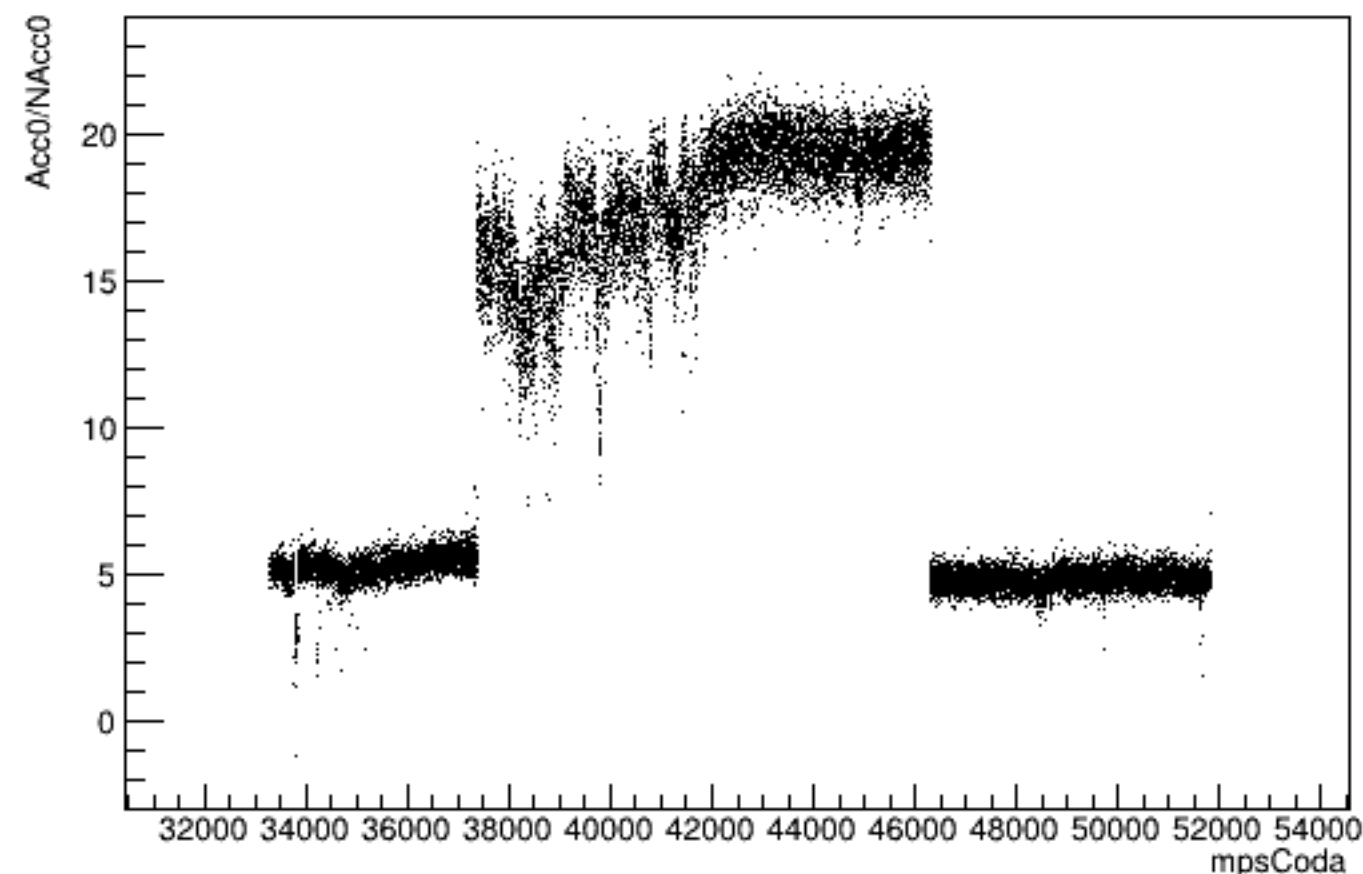
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

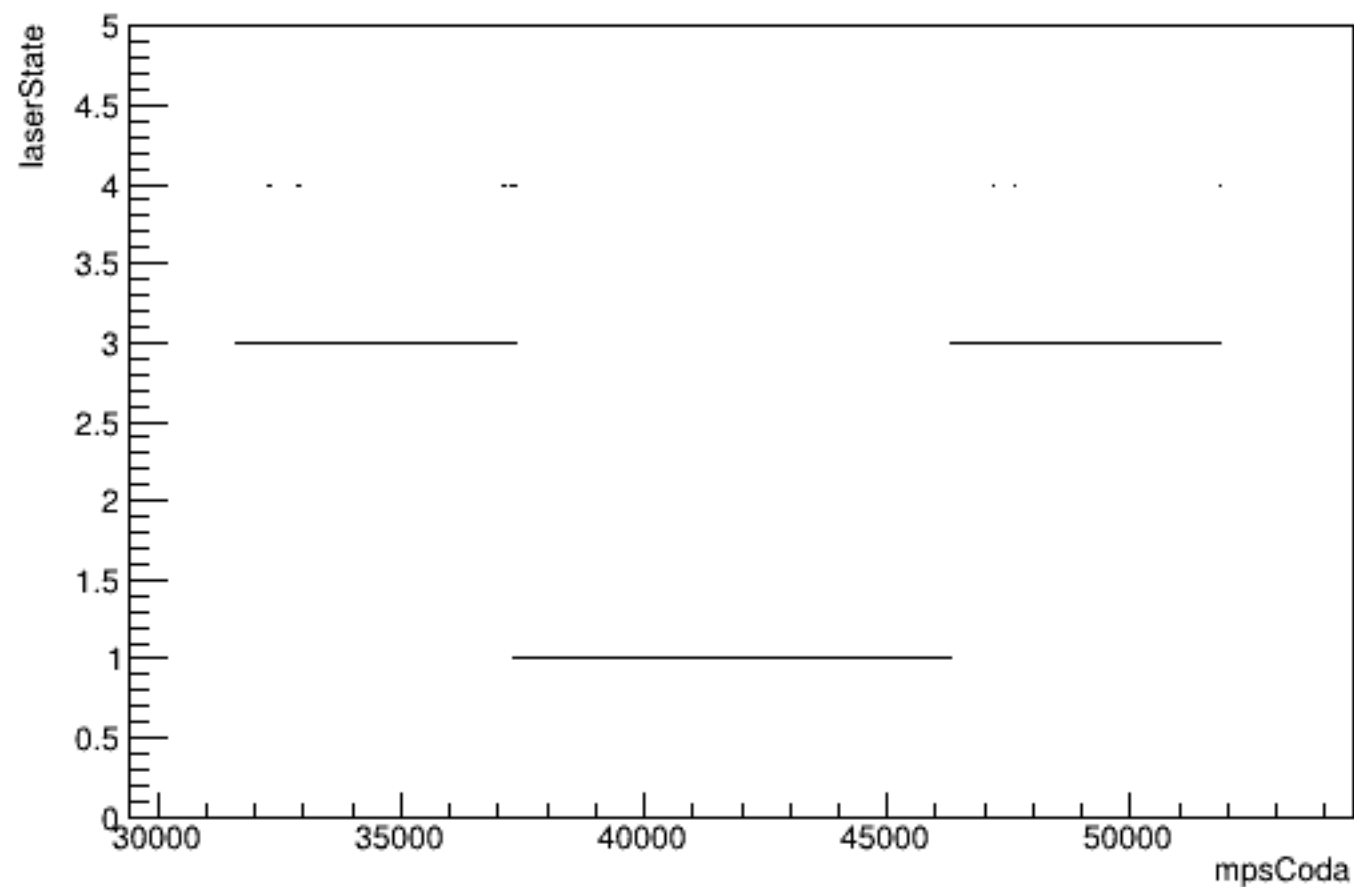
Run 5111 quartetwise, Asyms



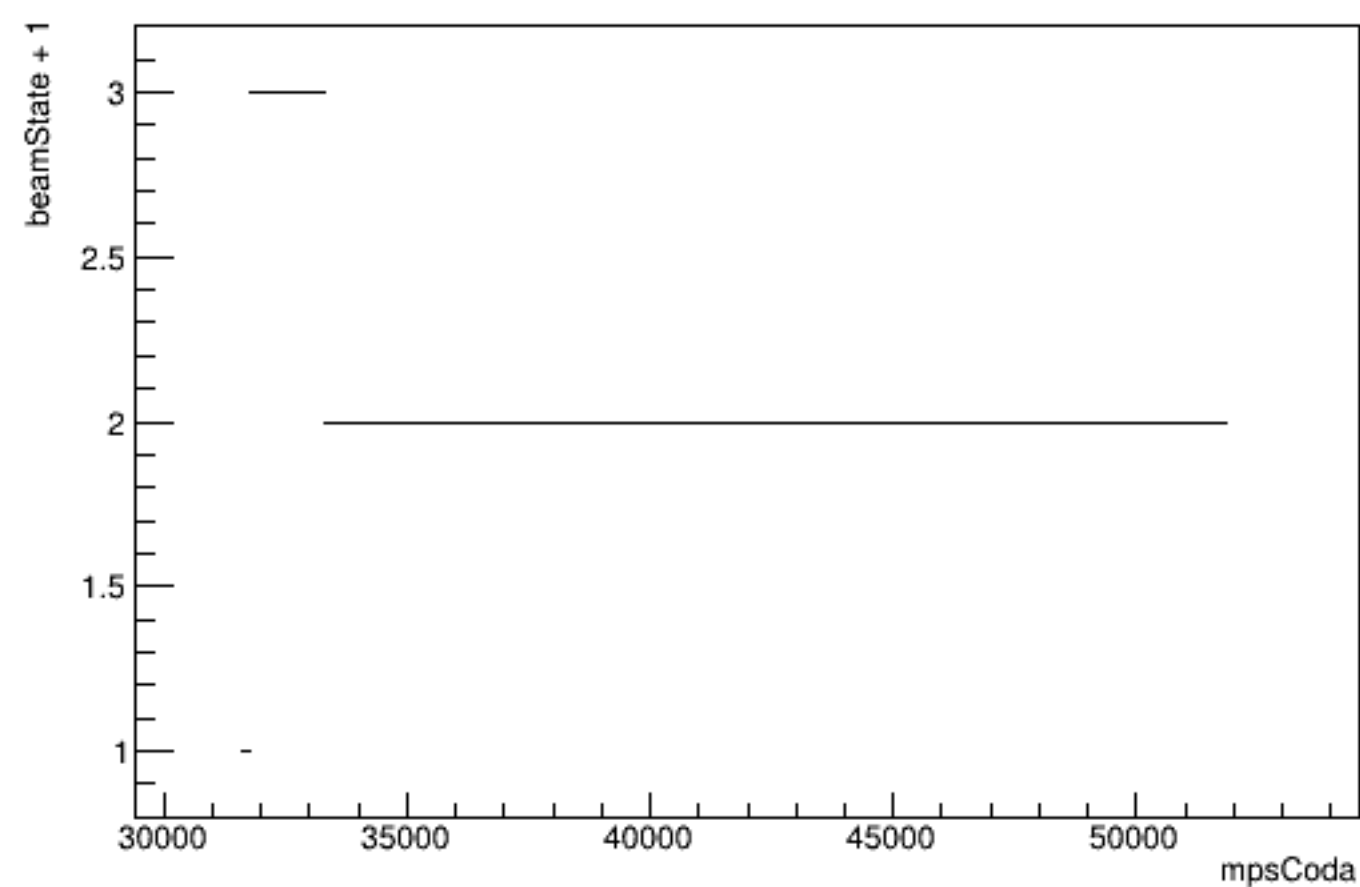
Acc0/NAcc0:mpsCoda {mpsCoda>=31586 && mpsCoda<=51829 && beamState==1}



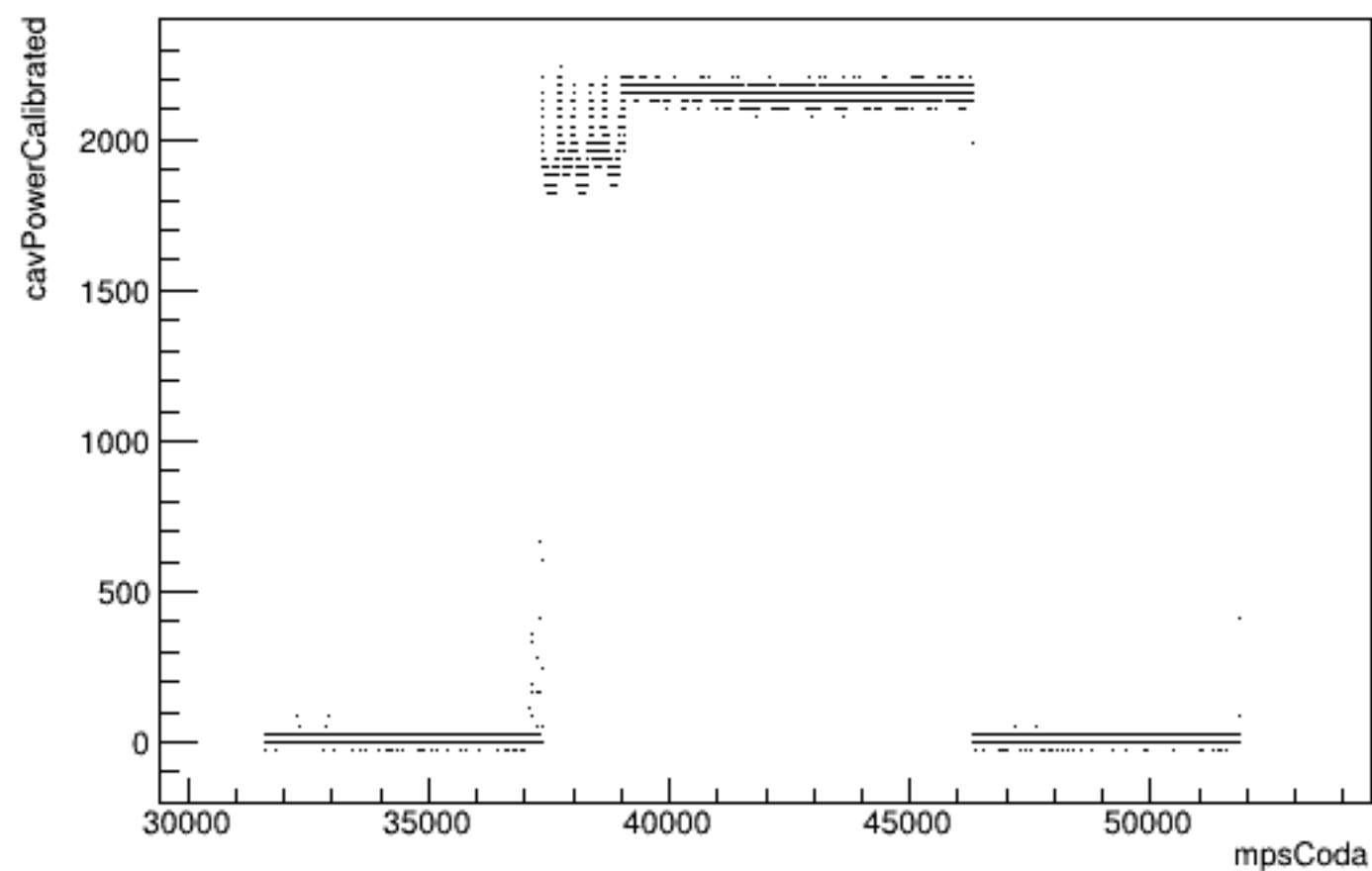
laserState:mpsCoda {mpsCoda>=31586 && mpsCoda<=51829}



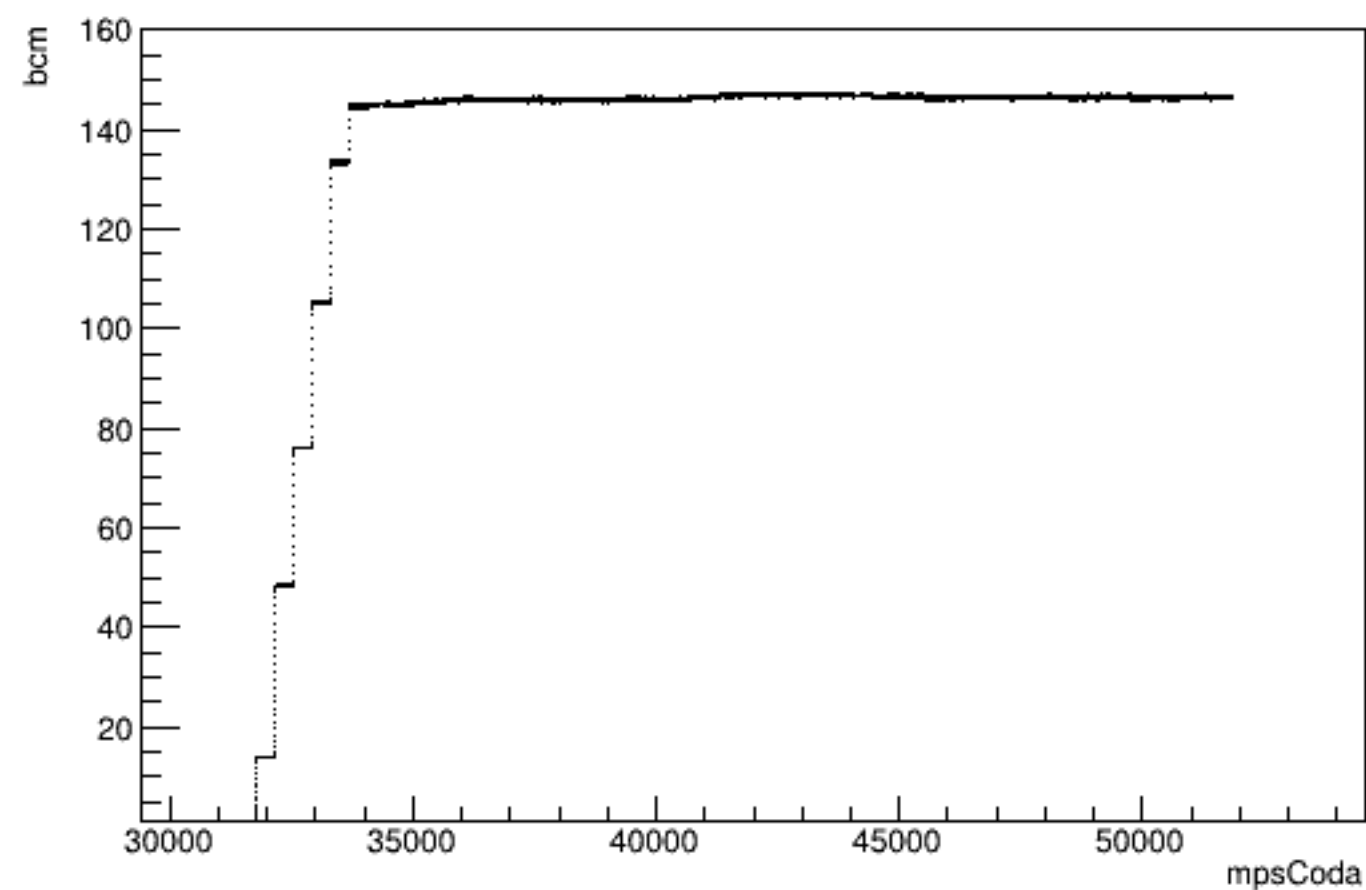
beamState + 1:mpsCoda {mpsCoda>=31586 && mpsCoda<=51829}



cavPowerCalibrated:mpsCoda {mpsCoda>=31586 && mpsCoda<=51829}



bcm:mpsCoda {mpsCoda>=31586 && mpsCoda<=51829}



Cycle 2, Diffs

Entries: 1378

Mean: 0.0081 +/- 0.0096

Std Dev: 0.3573 +/- 0.0068

Entries: 2191

Mean: 0.9098 +/- 0.0137

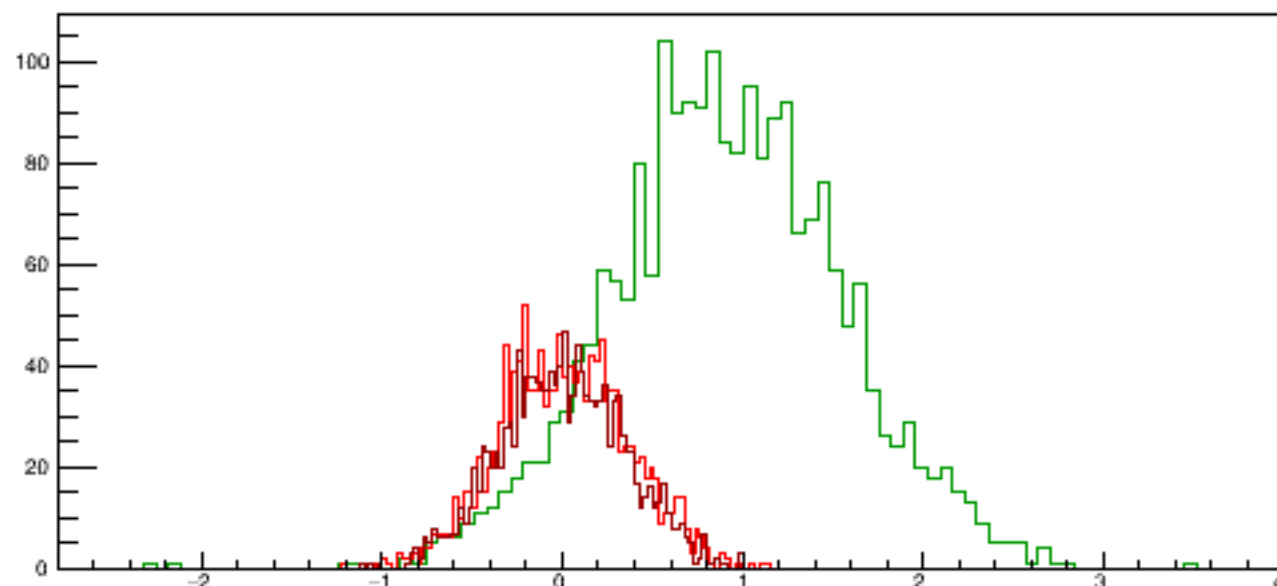
Std Dev: 0.6413 +/- 0.0097

Entries: 1385

Mean: -0.0006 +/- 0.0092

Std Dev: 0.3440 +/- 0.0065

Run 5111 quartetwise, Diffs



Cycle 2, Sums

Entries: 1378

Mean: 9.6204 +/- 0.0106

Std Dev: 0.3922 +/- 0.0075

Entries: 2191

Mean: 39.0472 +/- 0.0392

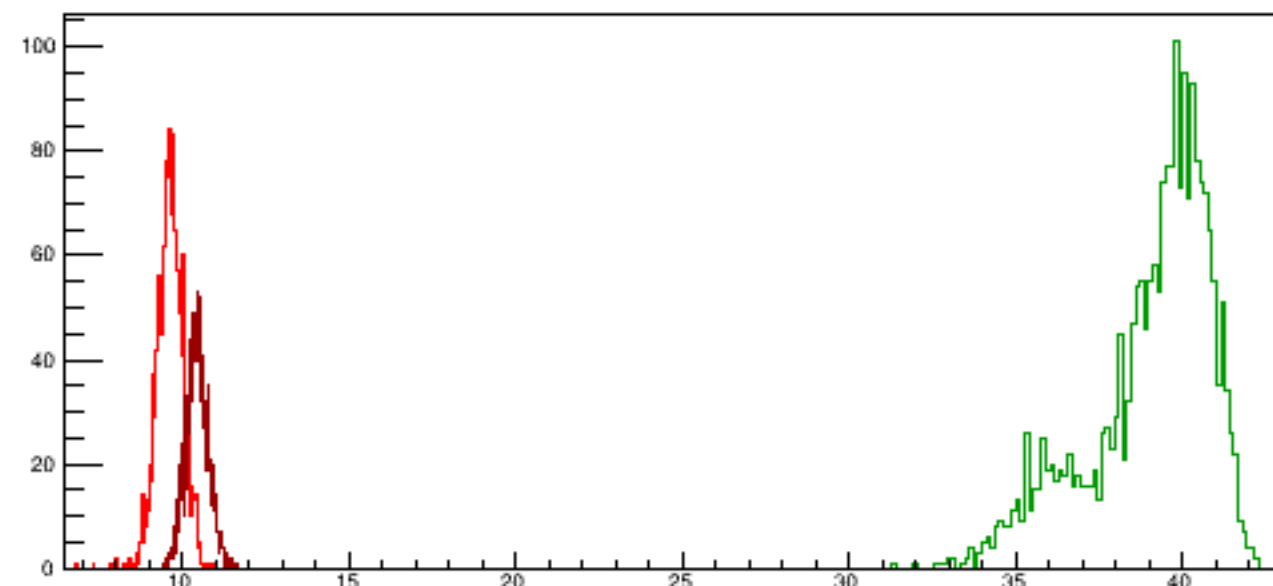
Std Dev: 1.8345 +/- 0.0277

Entries: 1385

Mean: 10.4471 +/- 0.0091

Std Dev: 0.3382 +/- 0.0064

Run 5111 quartetwise, Sums



Cycle 2, Asyms

Entries: 1378

Mean: 0.0003 +/- 0.0003

Std Dev: 0.0123 +/- 0.0002

Entries: 2191

Mean: 0.0314 +/- 0.0005

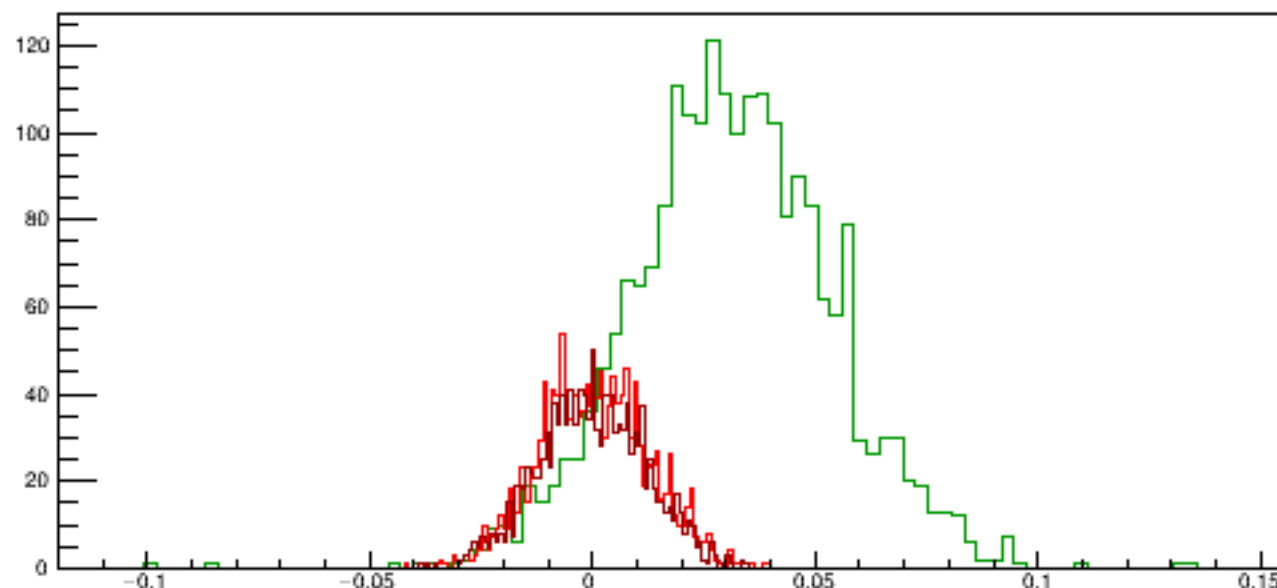
Std Dev: 0.0224 +/- 0.0003

Entries: 1385

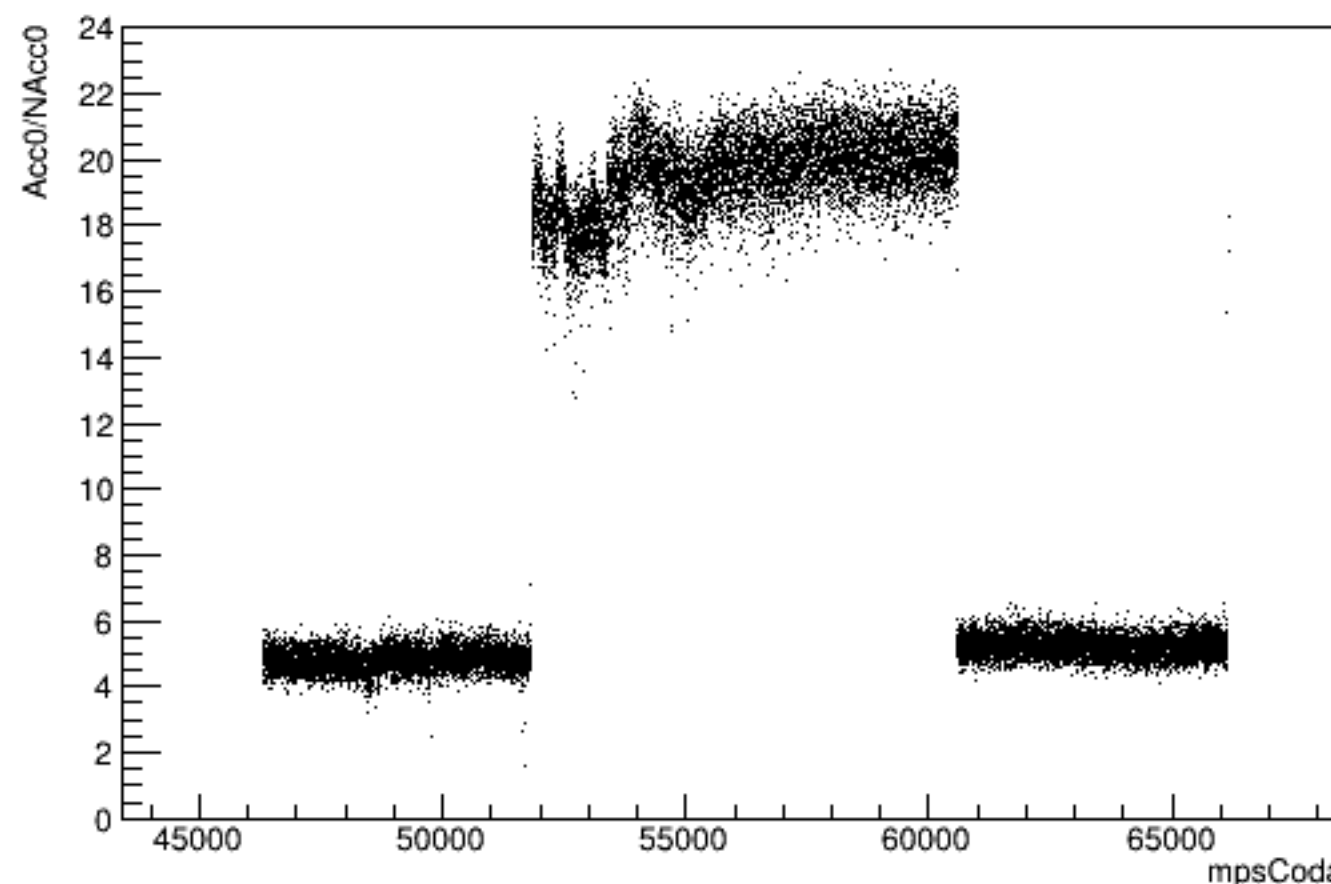
Mean: -0.0000 +/- 0.0003

Std Dev: 0.0119 +/- 0.0002

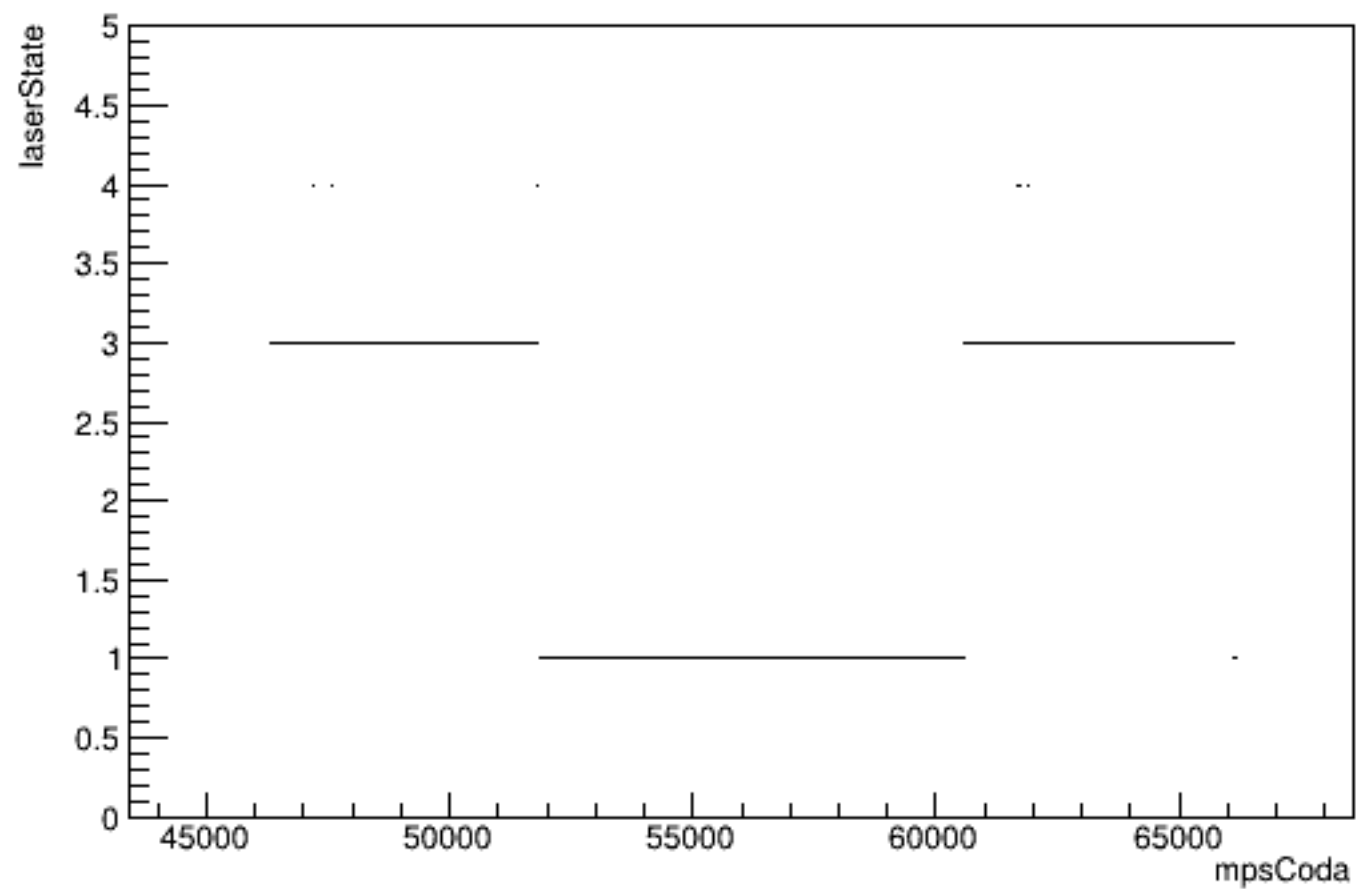
Run 5111 quartetwise, Asyms



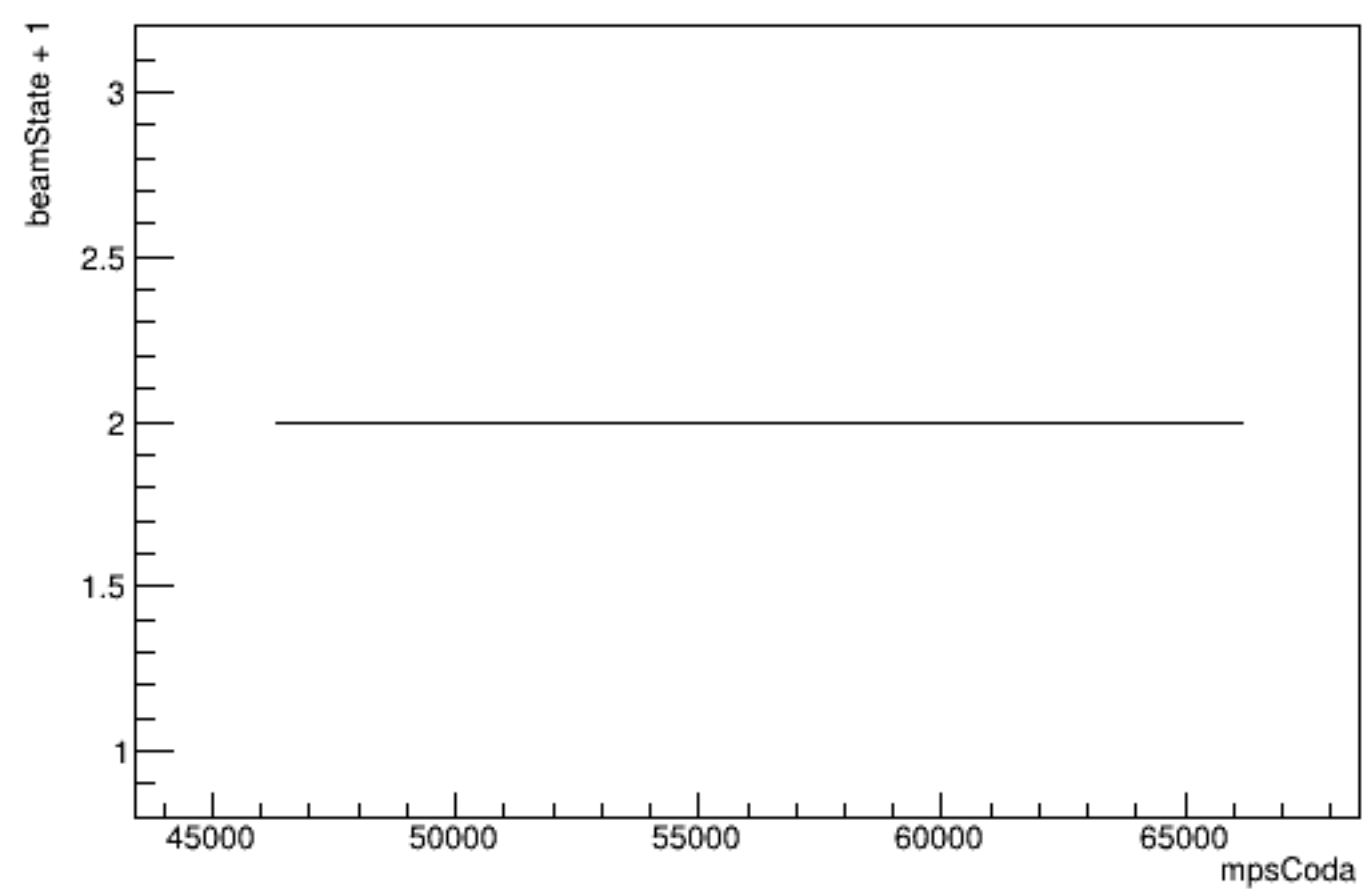
Acc0/NAcc0:mpsCoda {mpsCoda>=46306 && mpsCoda<=66153 && beamState==1}



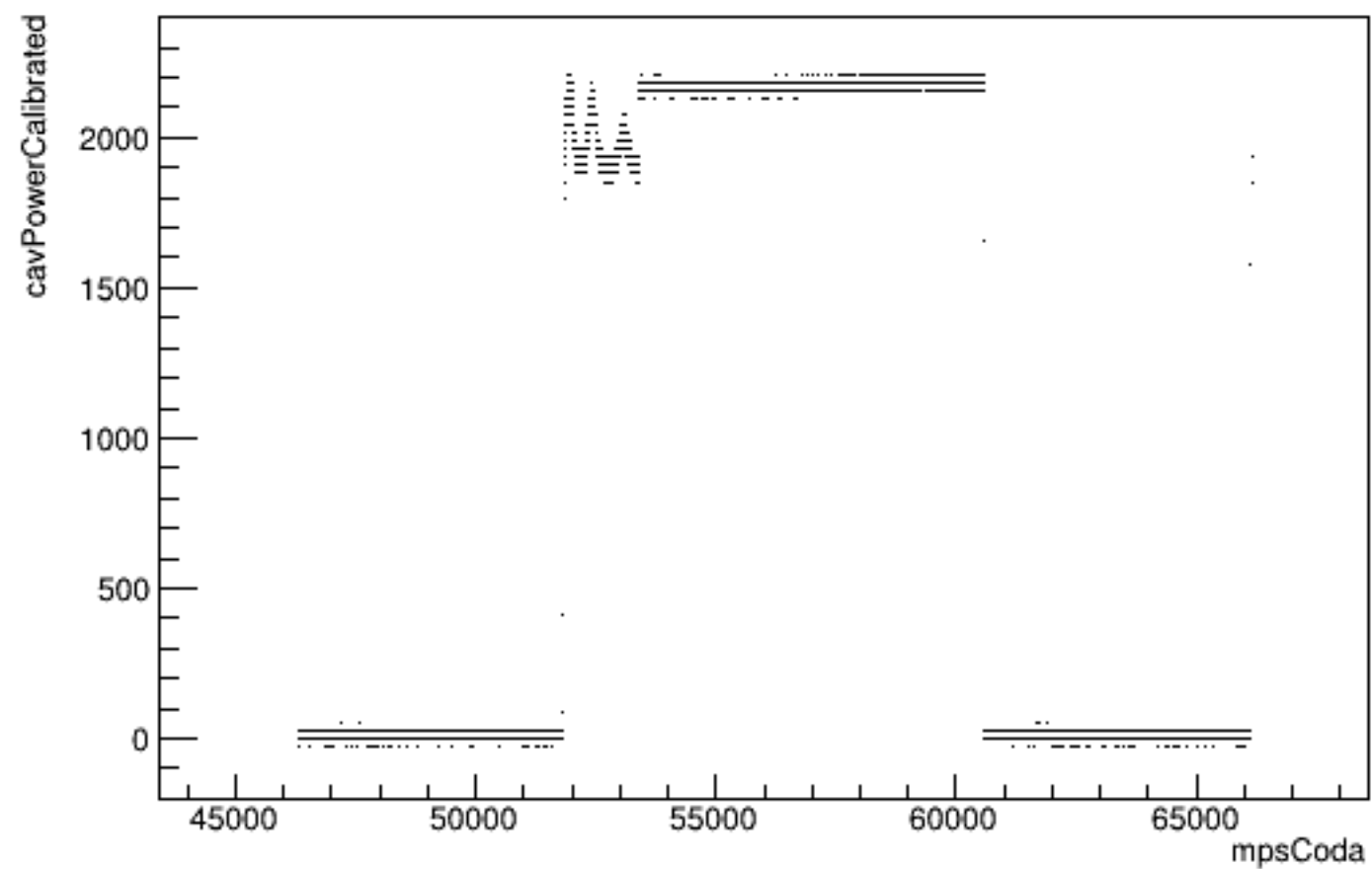
laserState:mpsCoda {mpsCoda>=46306 && mpsCoda<=66153}



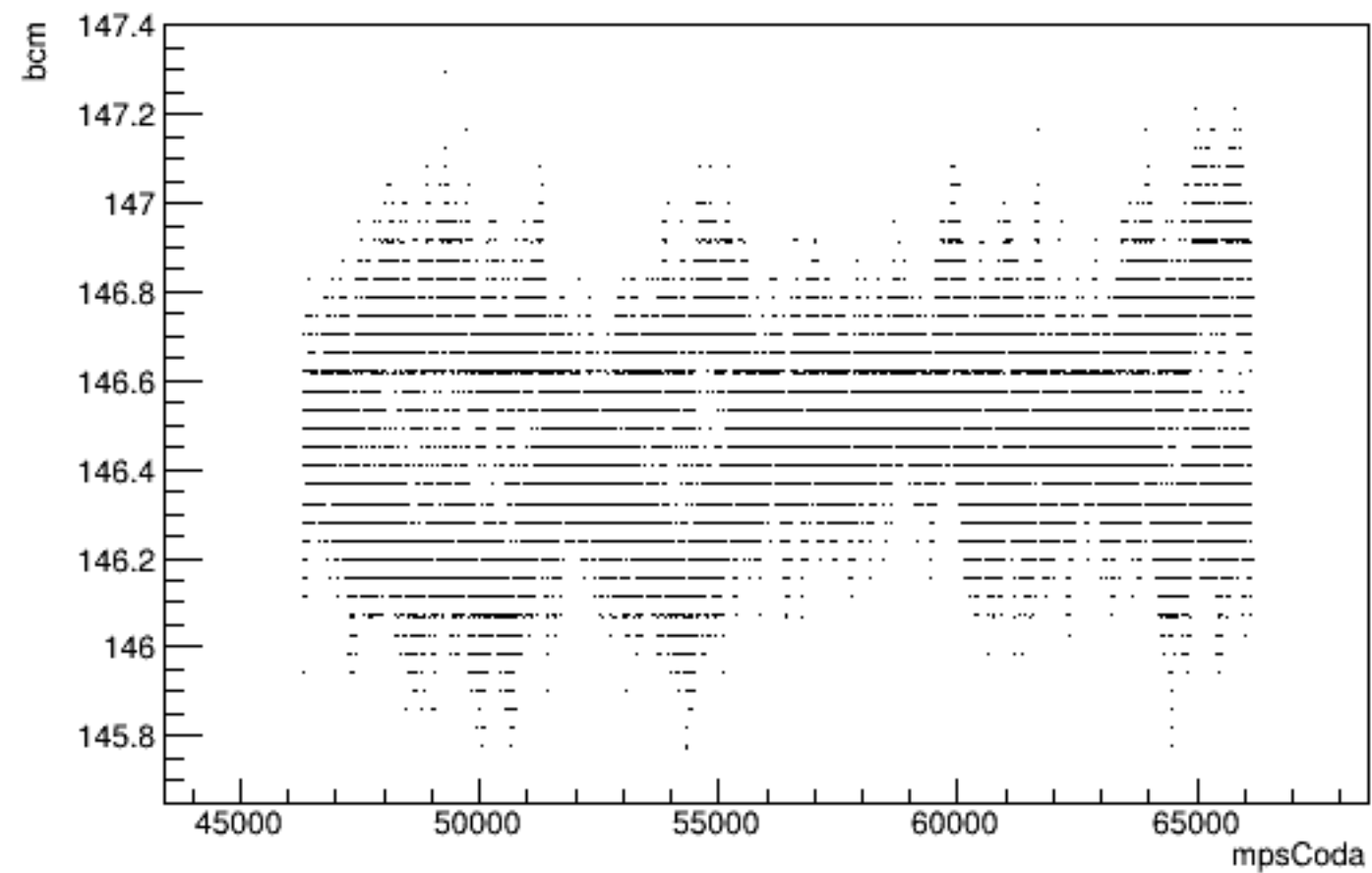
beamState + 1:mpsCoda {mpsCoda>=46306 && mpsCoda<=66153}



cavPowerCalibrated:mpsCoda {mpsCoda>=46306 && mpsCoda<=66153}



bcm:mpsCoda {mpsCoda>=46306 && mpsCoda<=66153}



Cycle 3, Diffs

Entries: 1385

Mean: -0.0006 +/- 0.0092

Std Dev: 0.3440 +/- 0.0065

Entries: 2231

Mean: 0.9247 +/- 0.0135

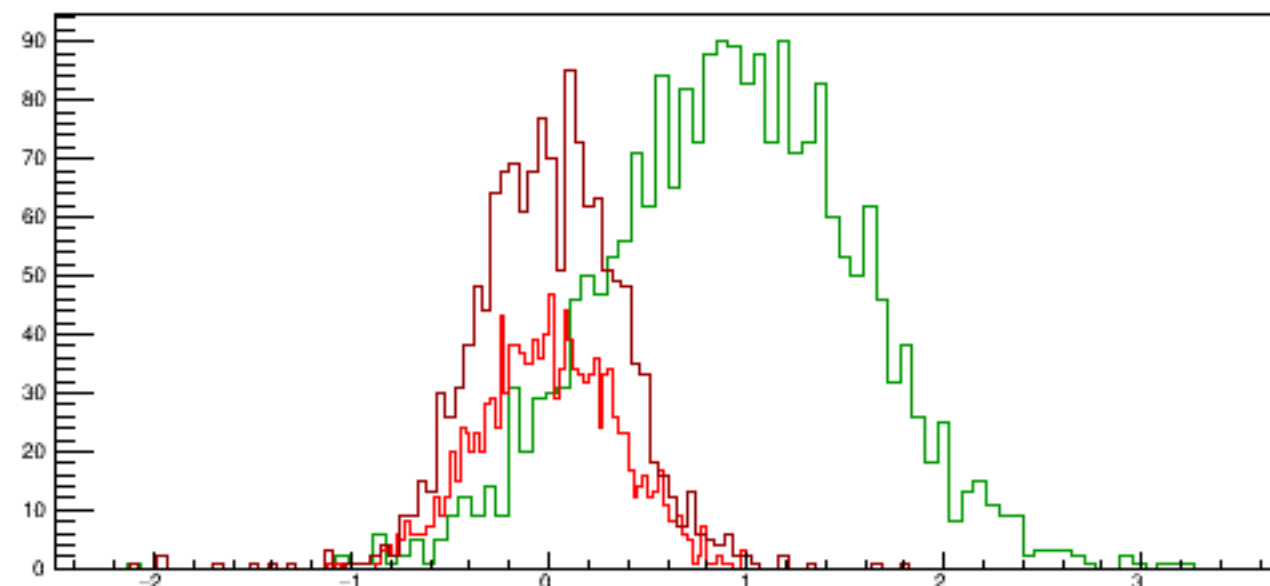
Std Dev: 0.6400 +/- 0.0096

Entries: 1408

Mean: -0.0006 +/- 0.0100

Std Dev: 0.3761 +/- 0.0071

Run 5111 quartetwise, Diffs



Cycle 3, Sums

Entries: 1385

Mean: 10.4471 +/- 0.0091

Std Dev: 0.3382 +/- 0.0064

Entries: 2231

Mean: 39.9042 +/- 0.0323

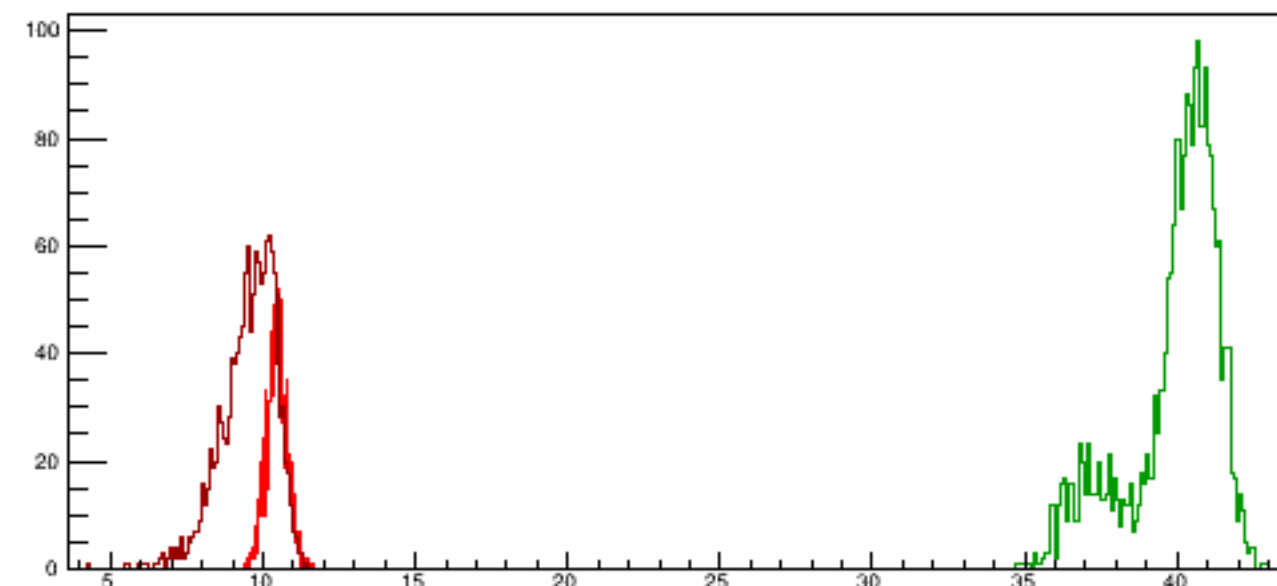
Std Dev: 1.5242 +/- 0.0228

Entries: 1408

Mean: 9.5407 +/- 0.0240

Std Dev: 0.9023 +/- 0.0170

Run 5111 quartetwise, Sums



Cycle 3, Asyms

Entries: 1385

Mean: -0.0000 +/- 0.0003

Std Dev: 0.0115 +/- 0.0002

Entries: 2231

Mean: 0.0309 +/- 0.0005

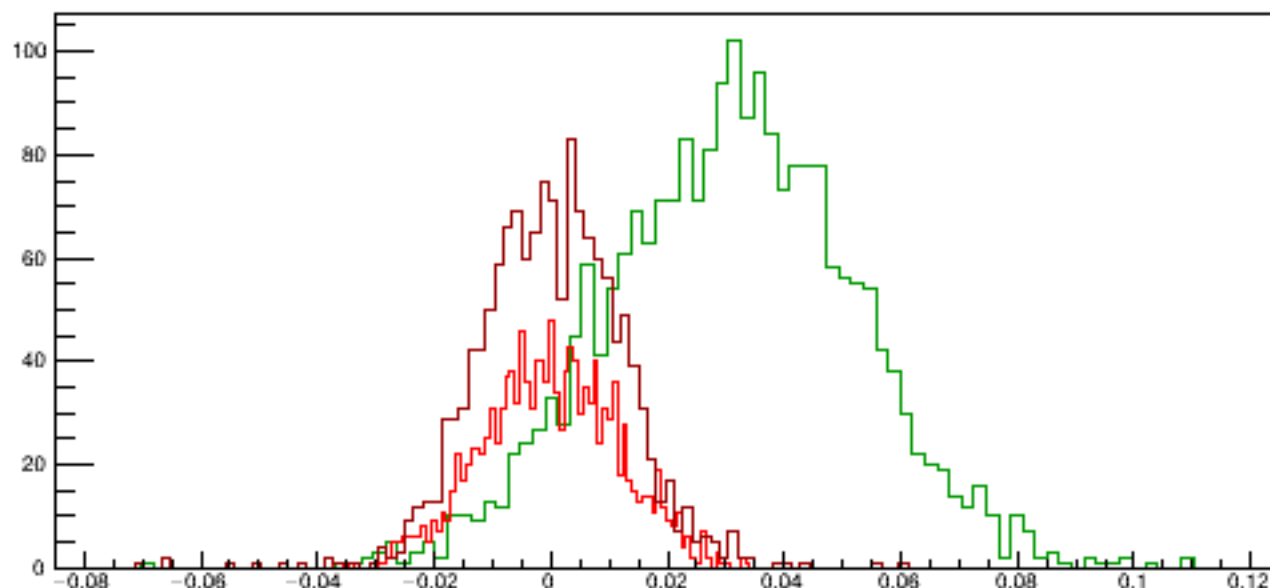
Std Dev: 0.0214 +/- 0.0003

Entries: 1408

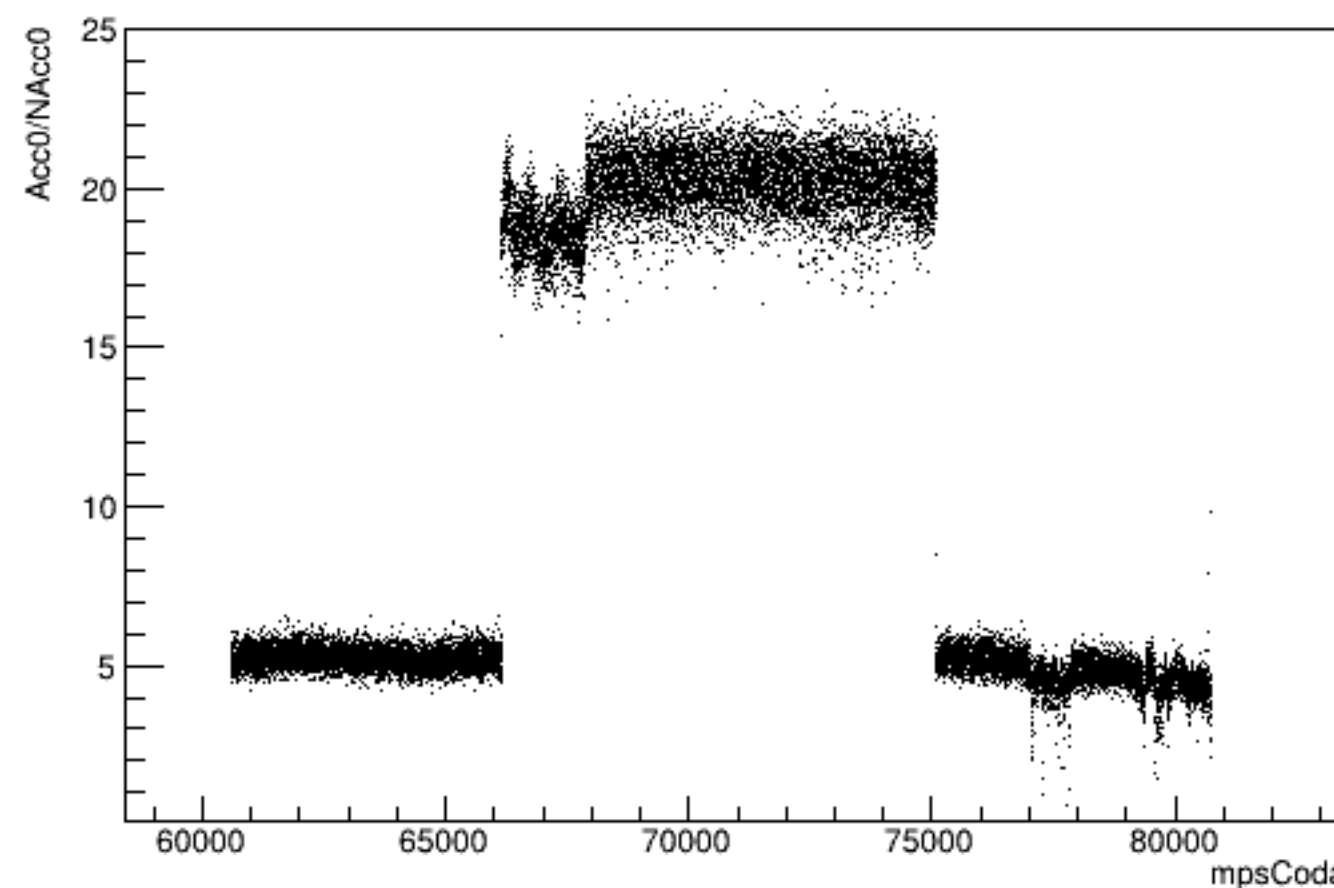
Mean: -0.0000 +/- 0.0003

Std Dev: 0.0126 +/- 0.0002

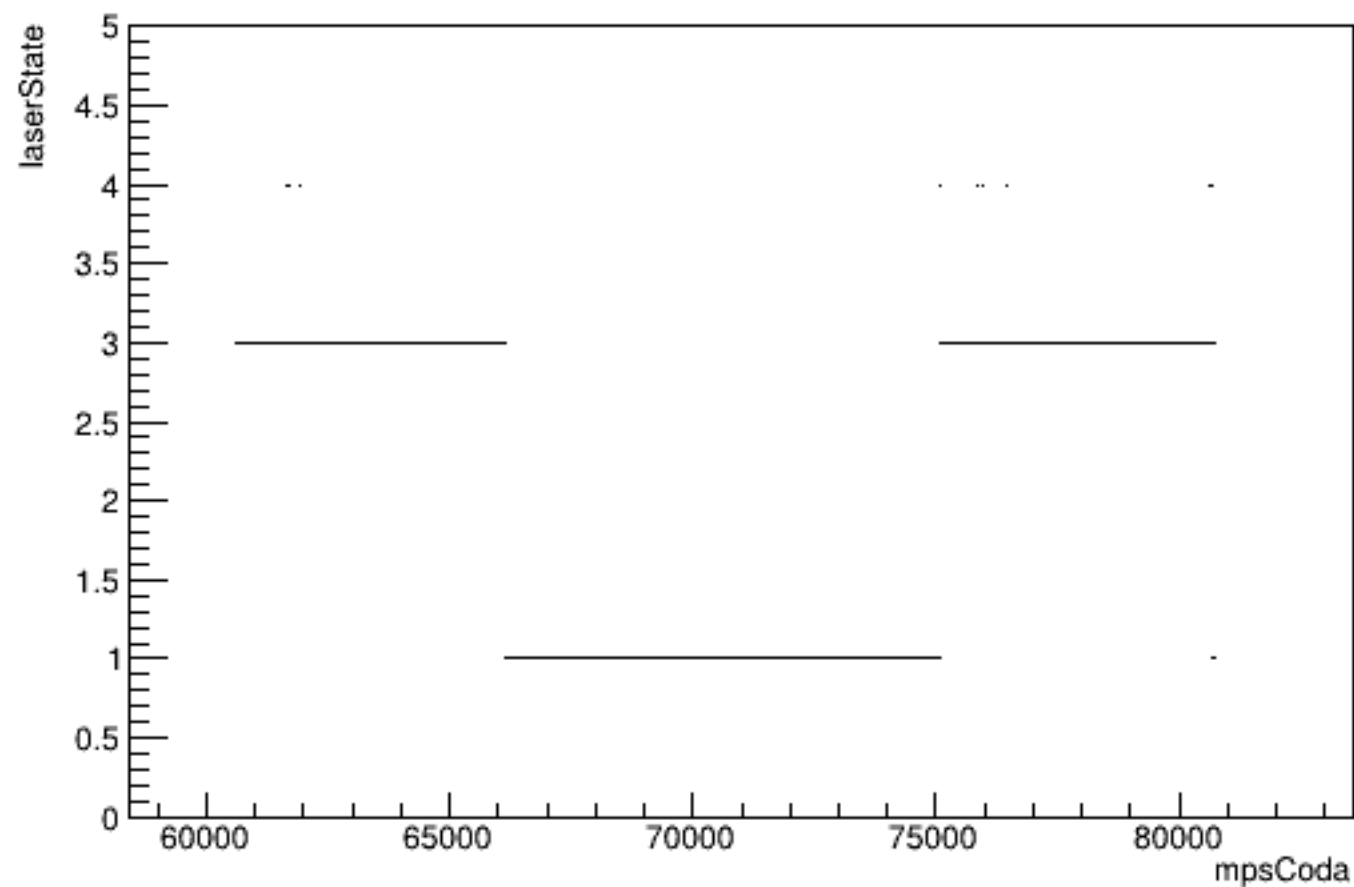
Run 5111 quartetwise, Asyms



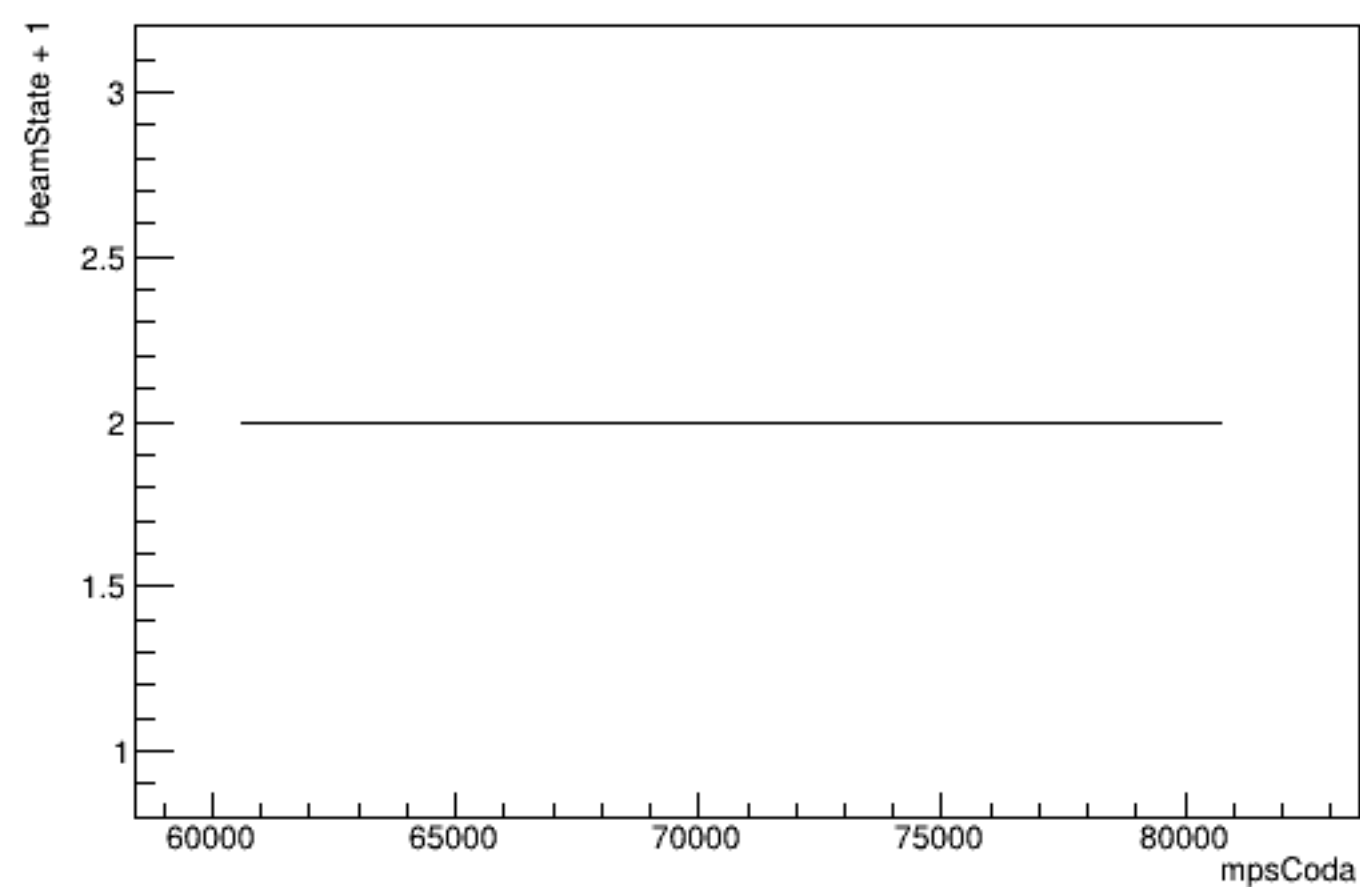
Acc0/NAcc0:mpsCoda {mpsCoda>=60598 && mpsCoda<=80749 && beamState==1}



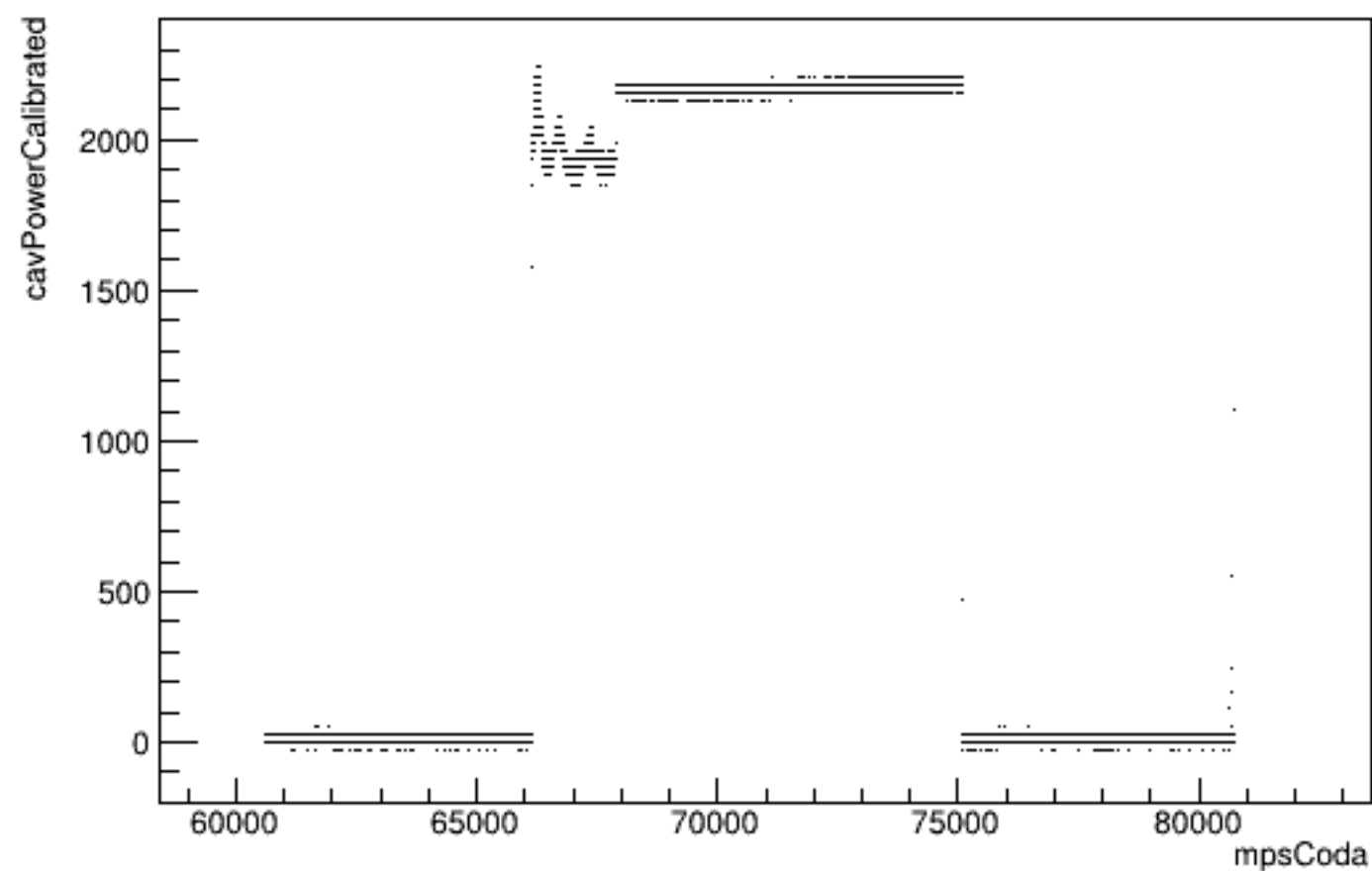
laserState:mpsCoda {mpsCoda>=60598 && mpsCoda<=80749}



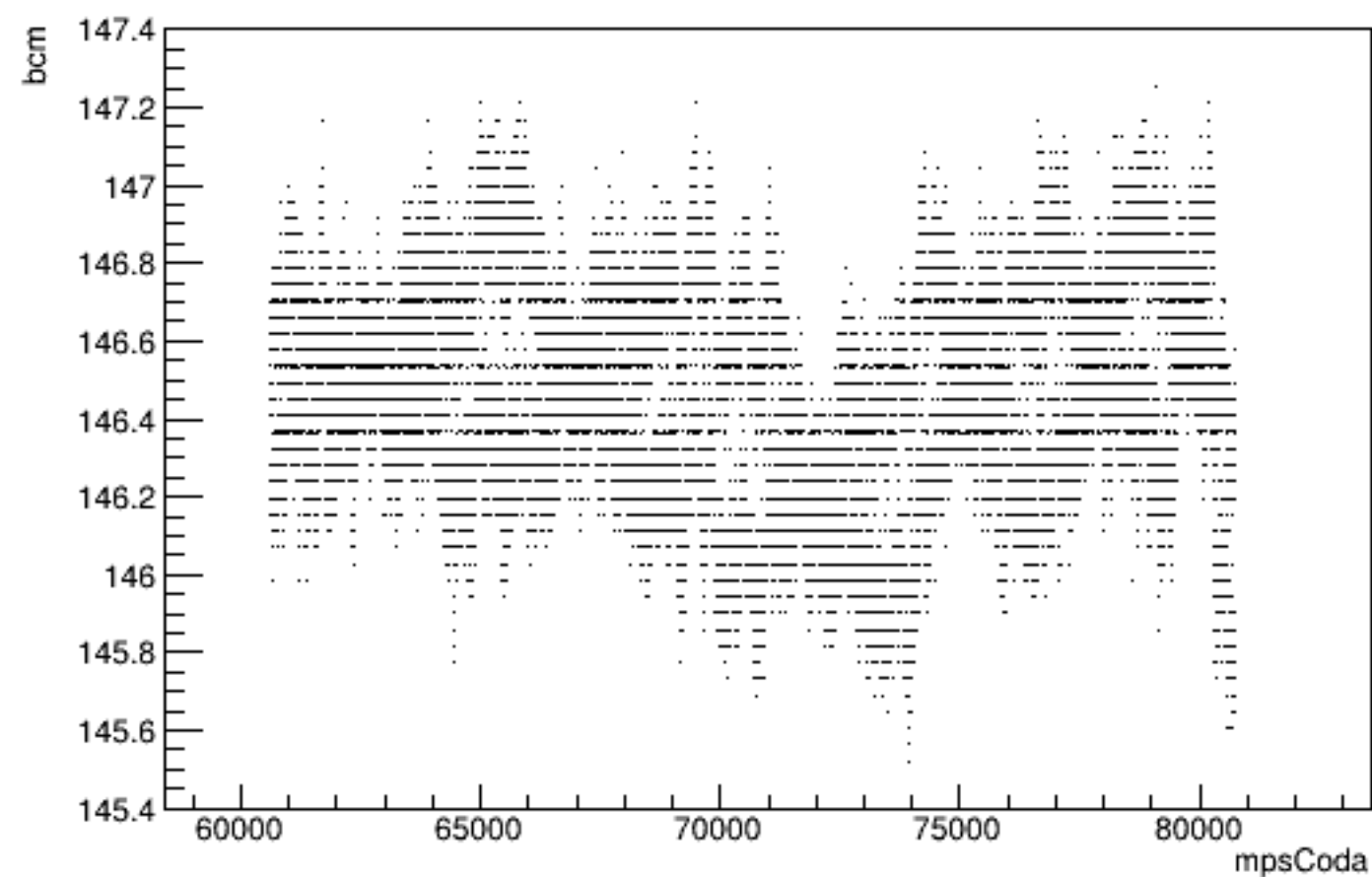
beamState + 1:mpsCoda {mpsCoda>=60598 && mpsCoda<=80749}



cavPowerCalibrated:mpsCoda {mpsCoda>=60598 && mpsCoda<=80749}



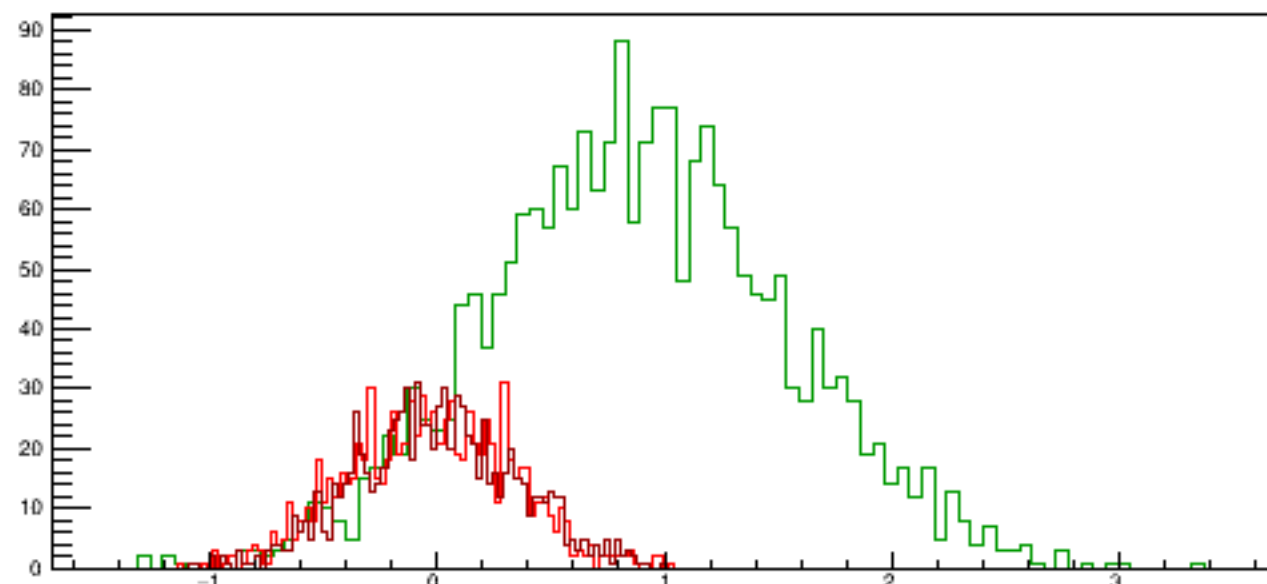
bcm:mpsCoda {mpsCoda>=60598 && mpsCoda<=80749}



Cycle 4, Diffs

Entries: 916	Entries: 2188	Entries: 915
Mean: -0.0340 +/- 0.0120	Mean: 0.8777 +/- 0.0142	Mean: -0.0079 +/- 0.0118
Std Dev: 0.3633 +/- 0.0085	Std Dev: 0.6644 +/- 0.0100	Std Dev: 0.3563 +/- 0.0083

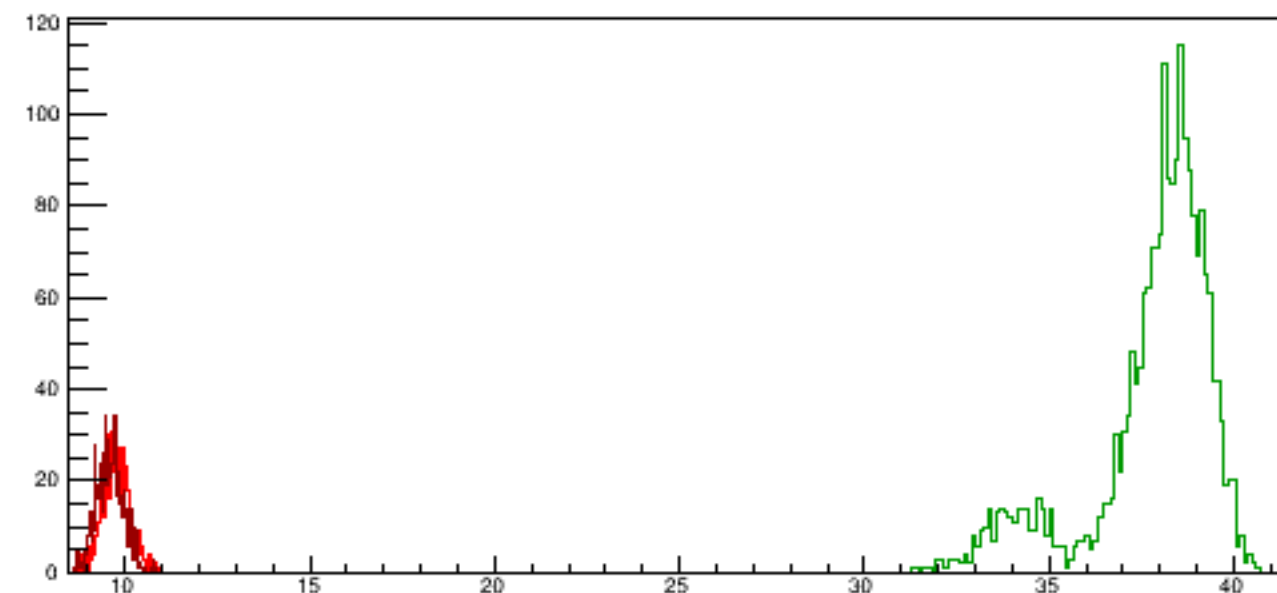
Run 5111 quartetwise, Diffs



Cycle 4, Sums

Entries: 916	Entries: 2188	Entries: 915
Mean: 9.7468 +/- 0.0118	Mean: 37.7716 +/- 0.0362	Mean: 9.5958 +/- 0.0122
Std Dev: 0.3572 +/- 0.0083	Std Dev: 1.6955 +/- 0.0256	Std Dev: 0.3681 +/- 0.0086

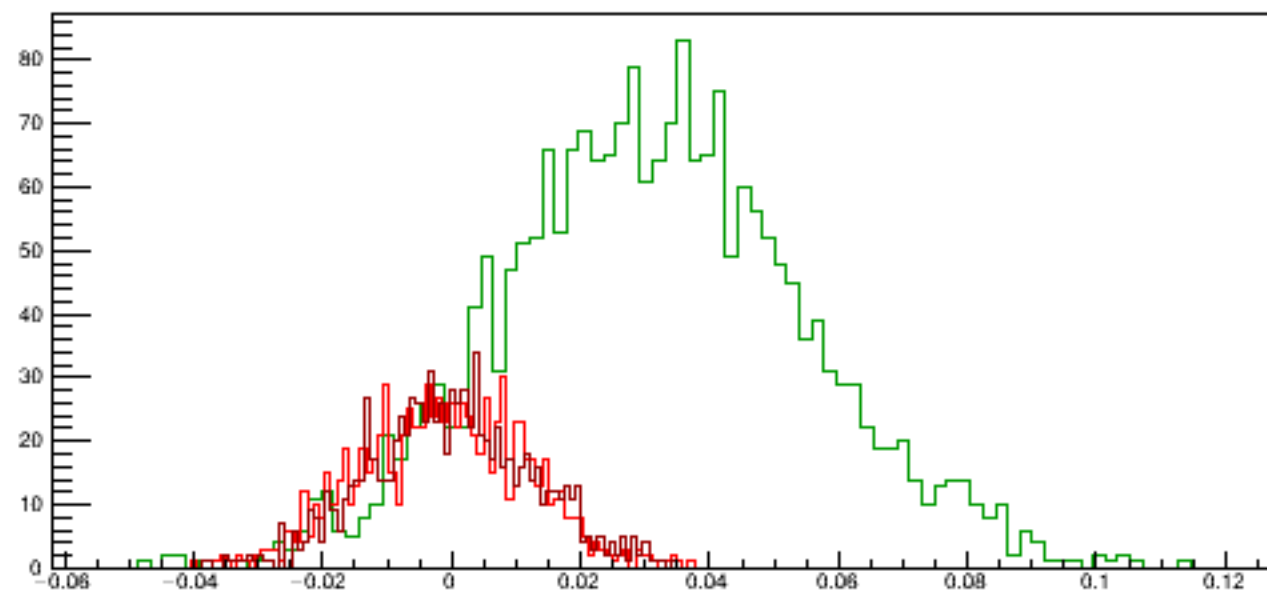
Run 5111 quartetwise, Sums



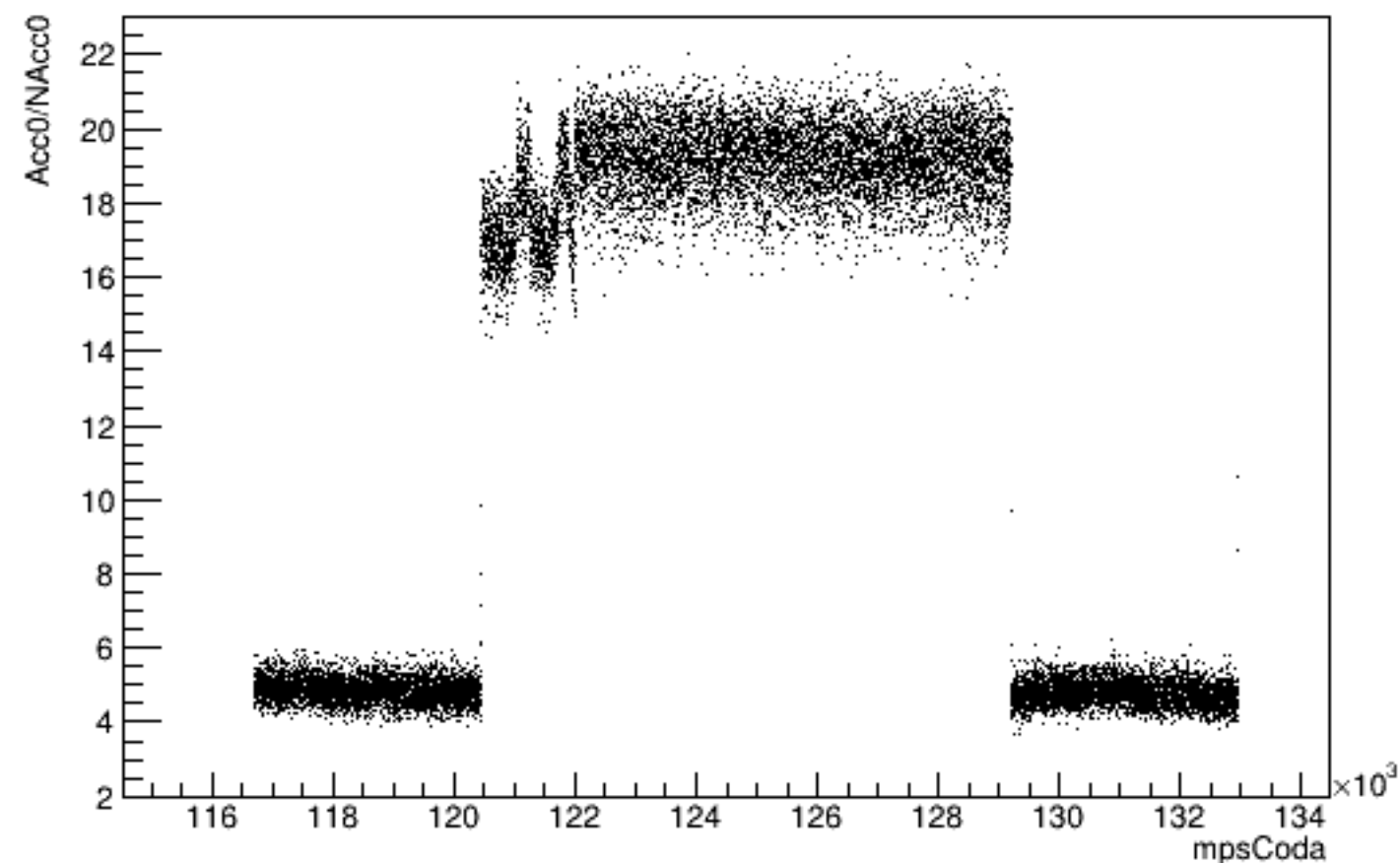
Cycle 4, Asyms

Entries: 916	Entries: 2188	Entries: 915
Mean: -0.0012 +/- 0.0004	Mean: 0.0312 +/- 0.0005	Mean: -0.0003 +/- 0.0004
Std Dev: 0.0129 +/- 0.0003	Std Dev: 0.0237 +/- 0.0004	Std Dev: 0.0127 +/- 0.0003

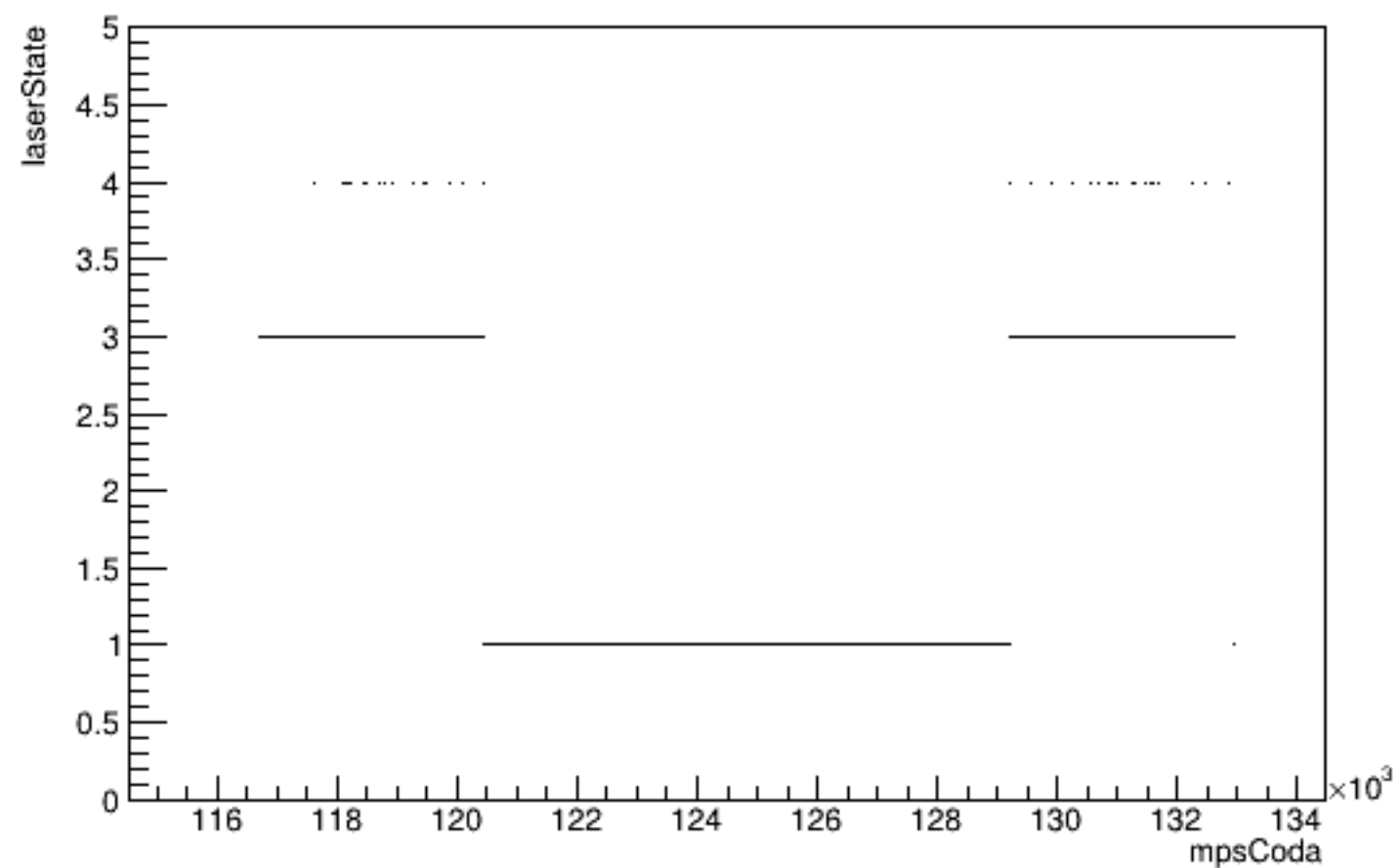
Run 5111 quartetwise, Asyms



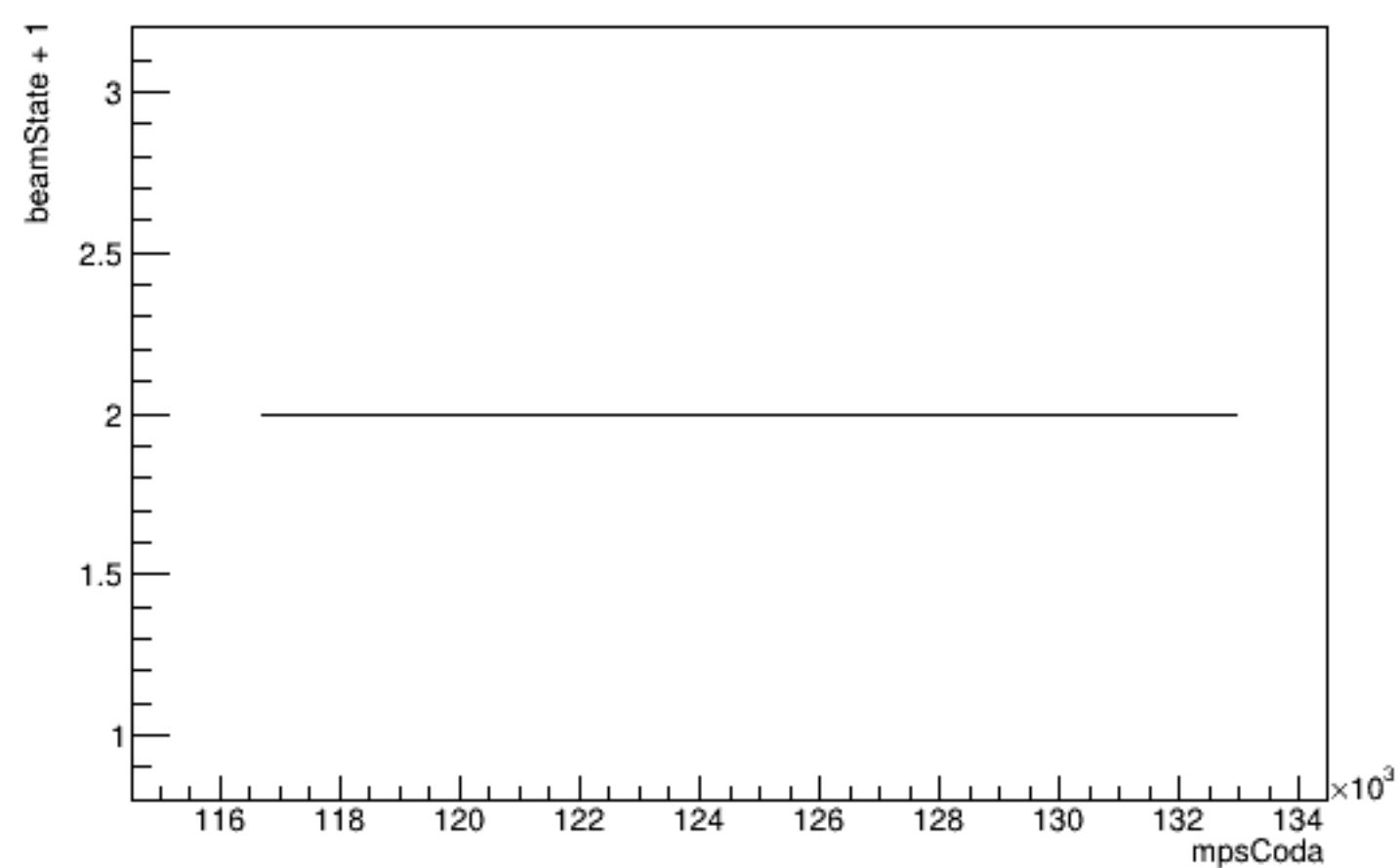
Acc0/NAcc0:mpsCoda (mpsCoda>=116706 && mpsCoda<=132949 && beamState==1)



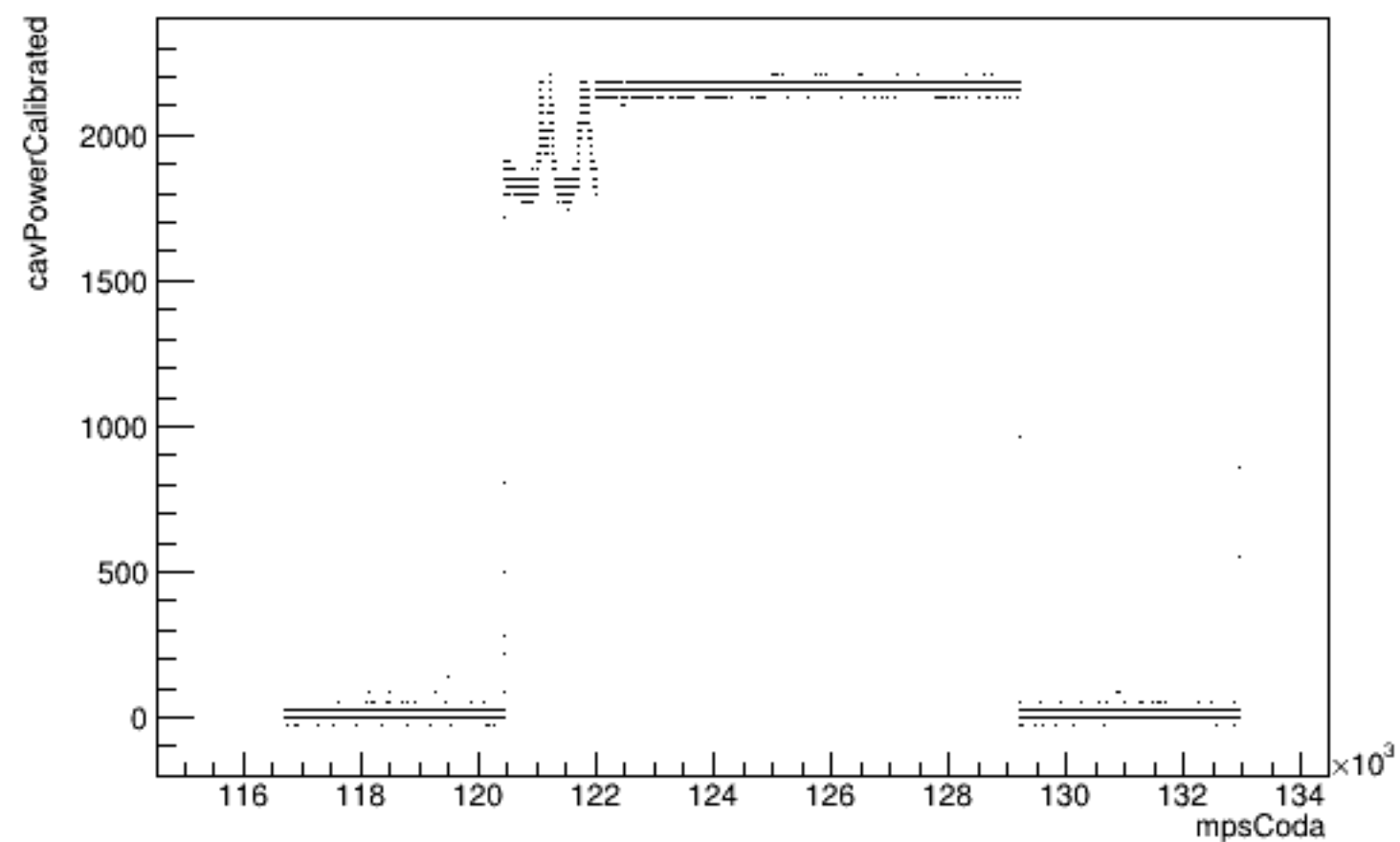
laserState:mpsCoda {mpsCoda>=116706 && mpsCoda<=132949}



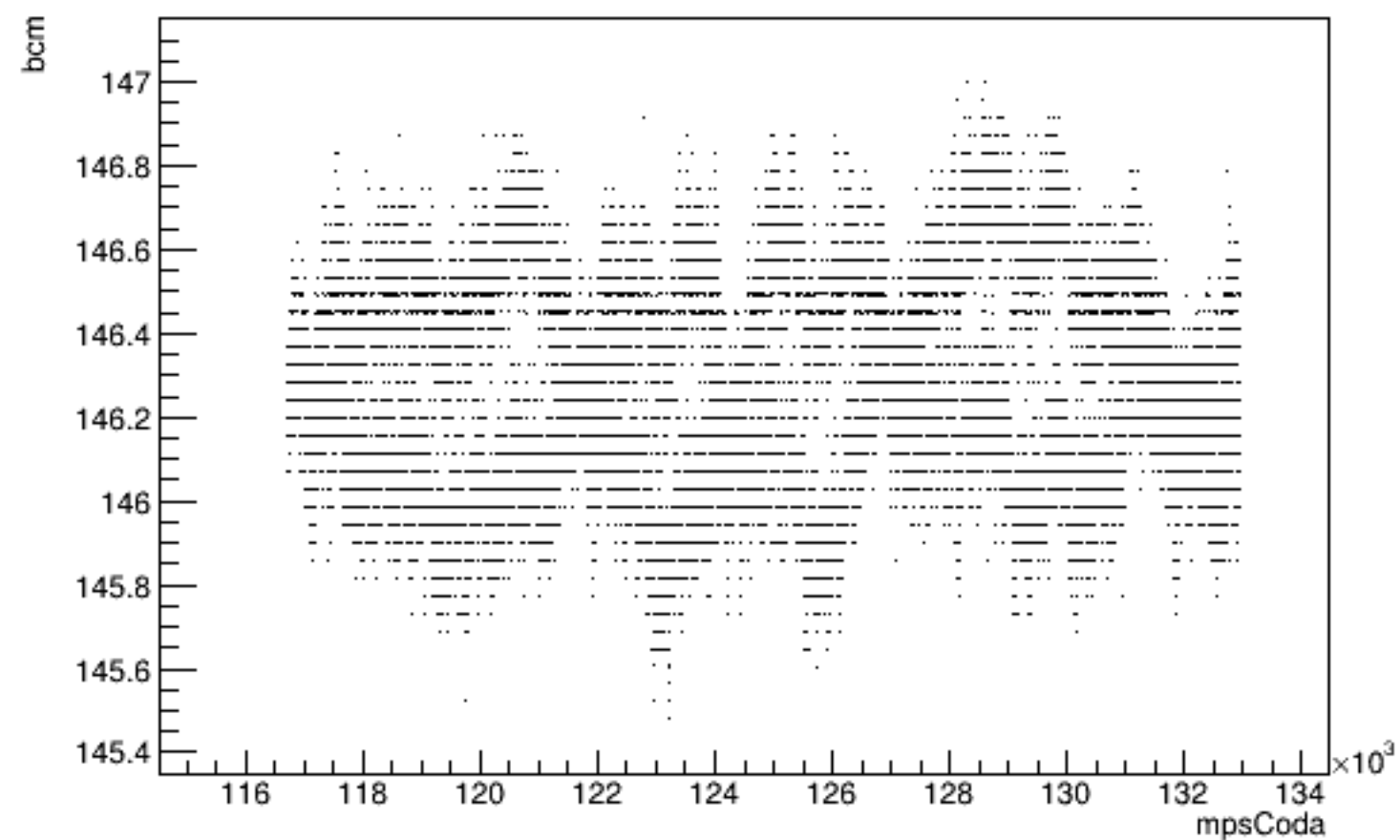
beamState + 1:mpsCoda {mpsCoda>=116706 && mpsCoda<=132949}



cavPowerCalibrated:mpsCoda {mpsCoda>=116706 && mpsCoda<=132949}



bcm:mpsCoda {mpsCoda>=116706 && mpsCoda<=132949}



Cycle 5, Diffs

Entries: 915

Mean: -0.0079 +/- 0.0118

Std Dev: 0.3563 +/- 0.0083

Entries: 2248

Mean: 0.8858 +/- 0.0134

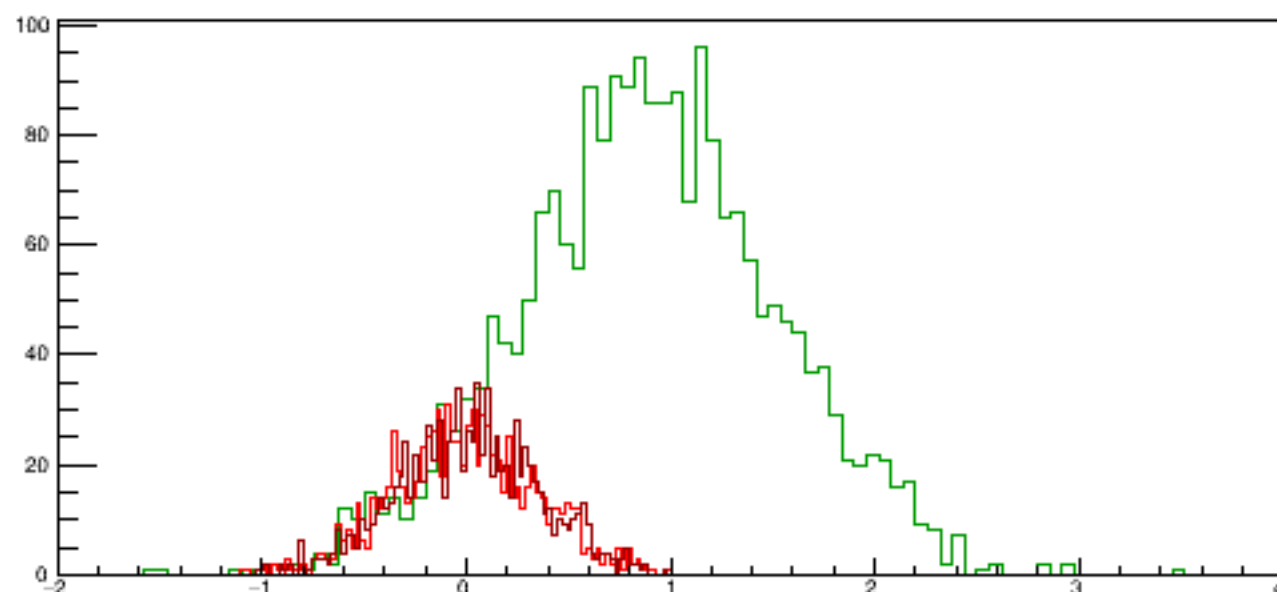
Std Dev: 0.6344 +/- 0.0095

Entries: 952

Mean: 0.0073 +/- 0.0112

Std Dev: 0.3468 +/- 0.0079

Run 5111 quartetwise, Diffs



Cycle 5, Sums

Entries: 915

Mean: 9.5958 +/- 0.0122

Std Dev: 0.3681 +/- 0.0086

Entries: 2248

Mean: 37.2608 +/- 0.0307

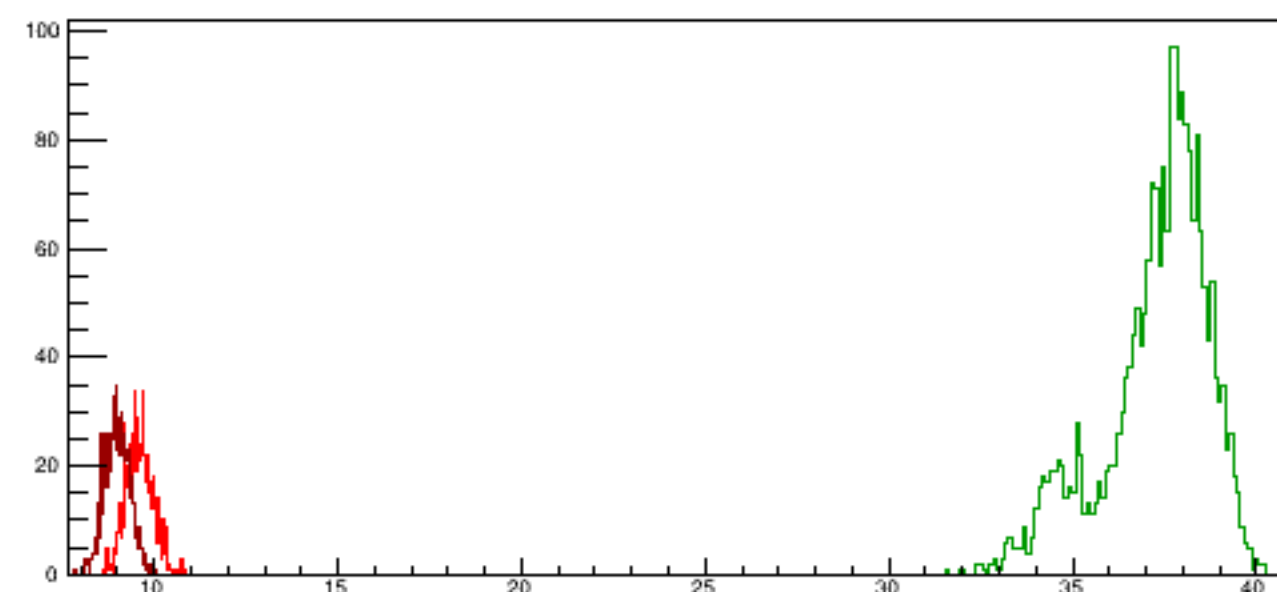
Std Dev: 1.4575 +/- 0.0217

Entries: 952

Mean: 8.9940 +/- 0.0113

Std Dev: 0.3476 +/- 0.0080

Run 5111 quartetwise, Sums



Cycle 5, Asyms

Entries: 915

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0127 +/- 0.0003

Entries: 2248

Mean: 0.0317 +/- 0.0005

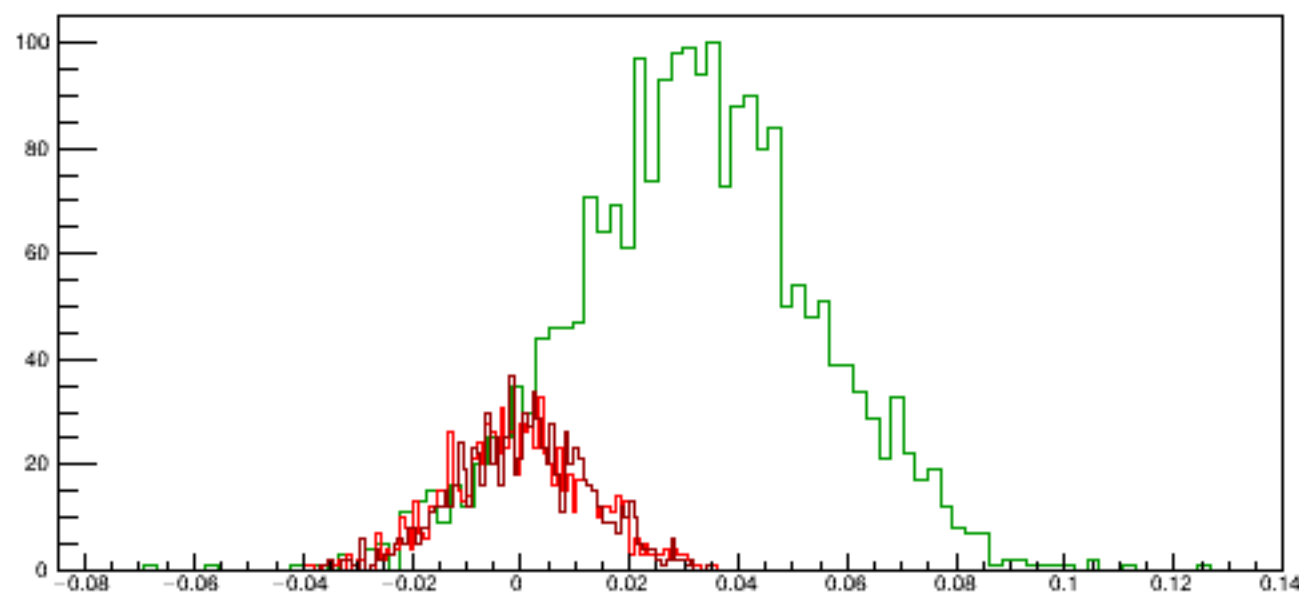
Std Dev: 0.0228 +/- 0.0003

Entries: 952

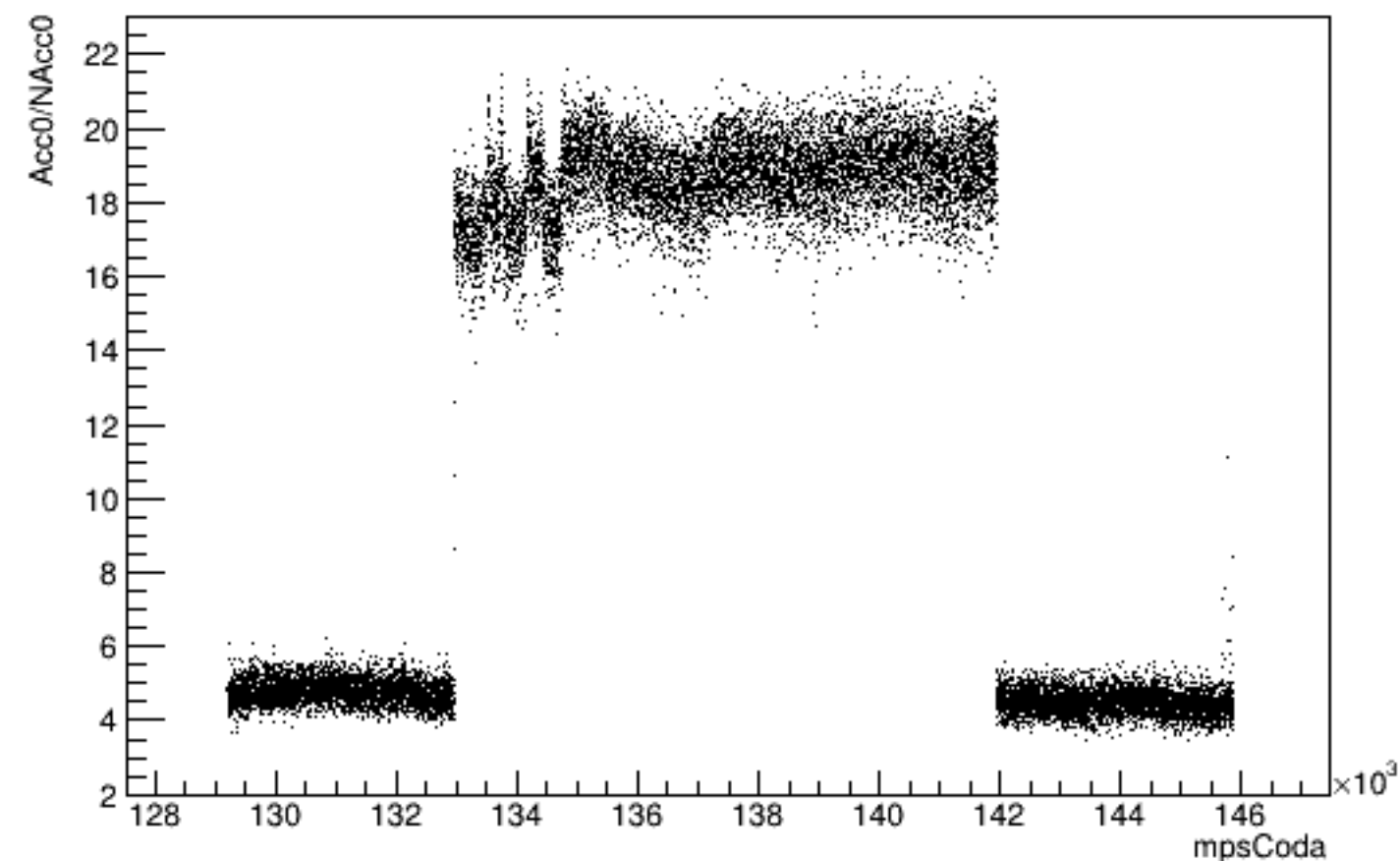
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0124 +/- 0.0003

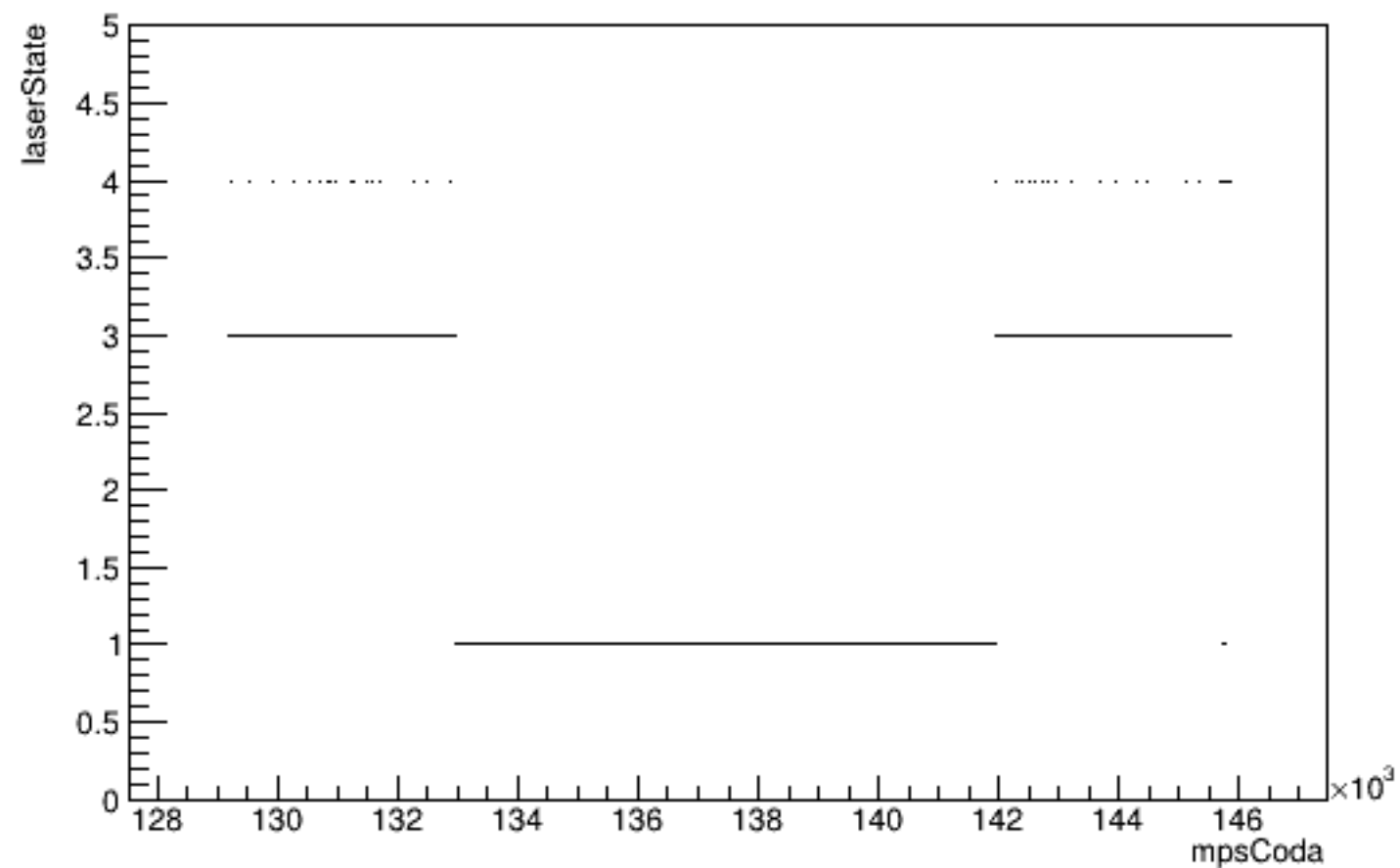
Run 5111 quartetwise, Asyms



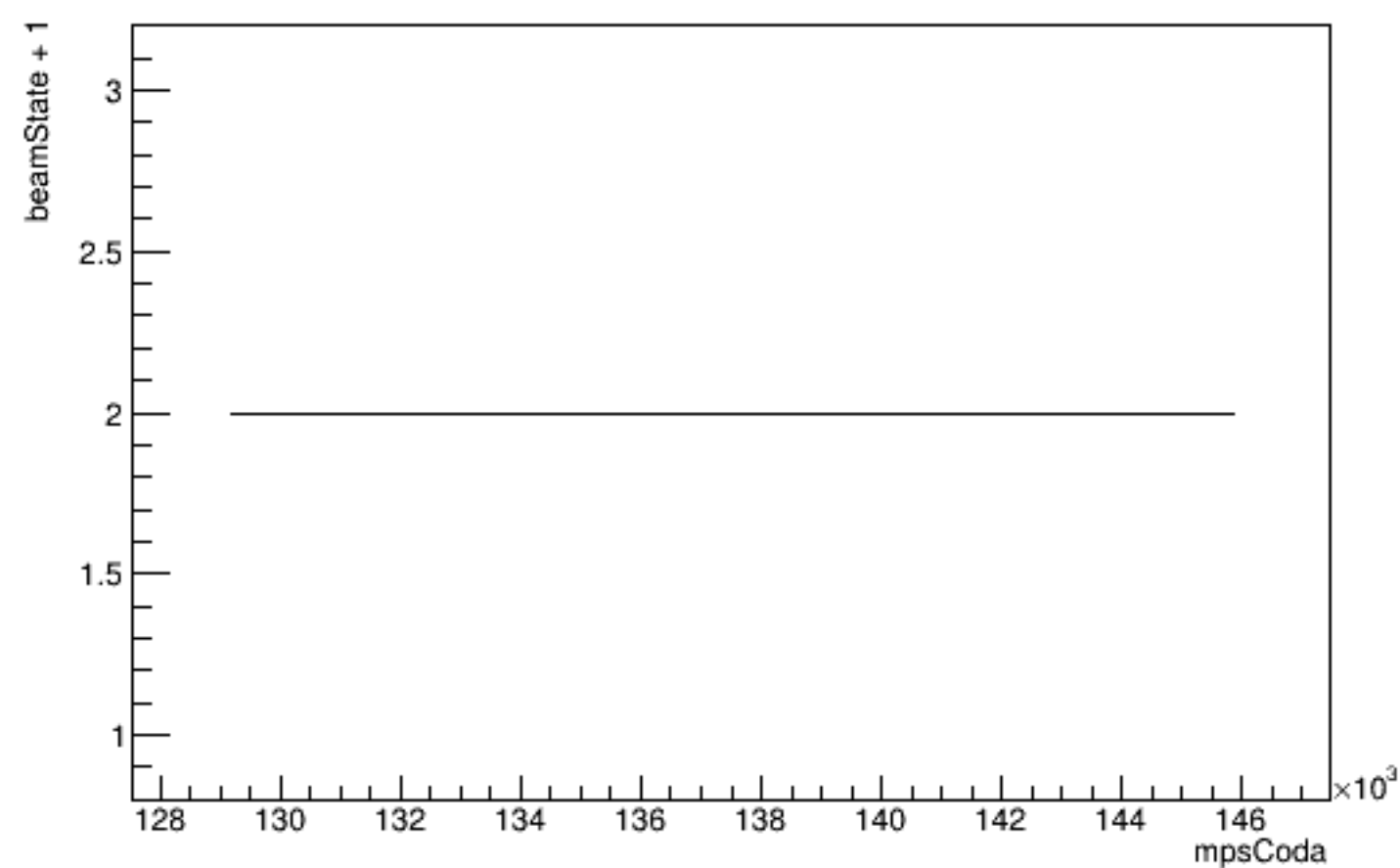
Acc0/NAcc0:mpsCoda (mpsCoda>=129202 && mpsCoda<=145877 && beamState==1)



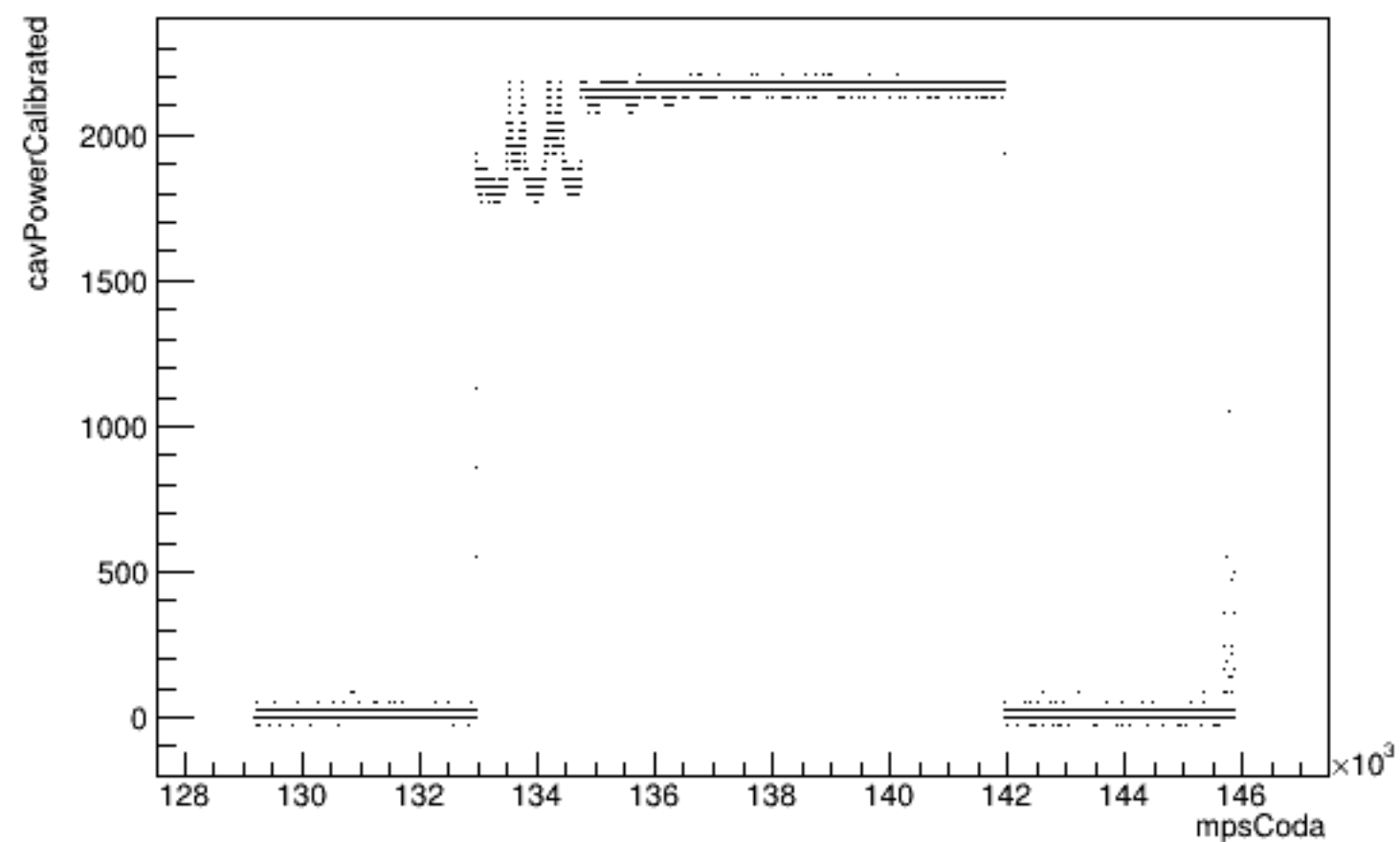
laserState:mpsCoda {mpsCoda>=129202 && mpsCoda<=145877}



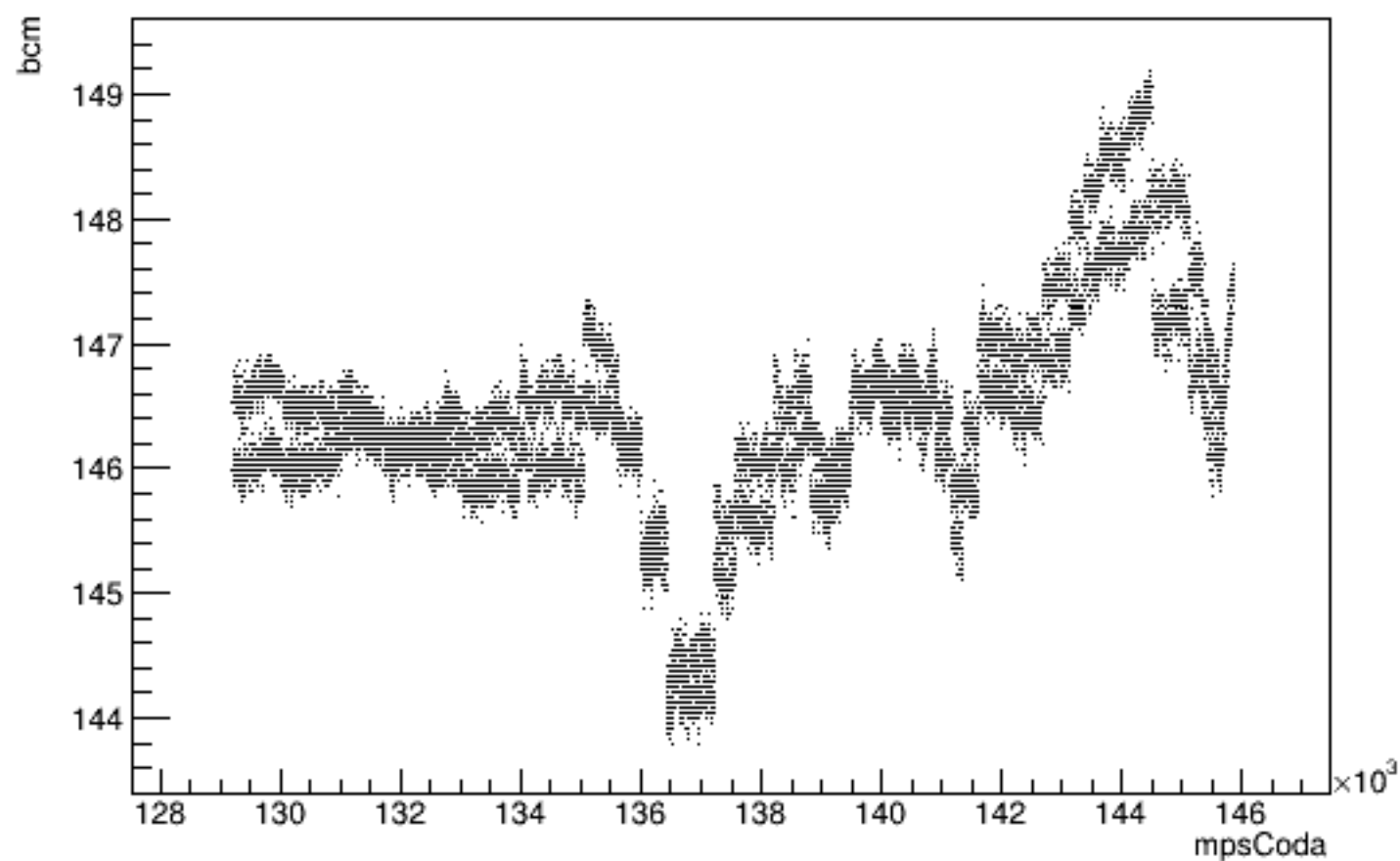
beamState + 1:mpsCoda {mpsCoda>=129202 && mpsCoda<=145877}



cavPowerCalibrated:mpsCoda {mpsCoda>=129202 && mpsCoda<=145877}



bcm:mpsCoda {mpsCoda>=129202 && mpsCoda<=145877}



Cycle 6, Diffs

Entries: 952

Mean: 0.0073 +/- 0.0112

Std Dev: 0.3468 +/- 0.0079

Entries: 2203

Mean: 0.8623 +/- 0.0157

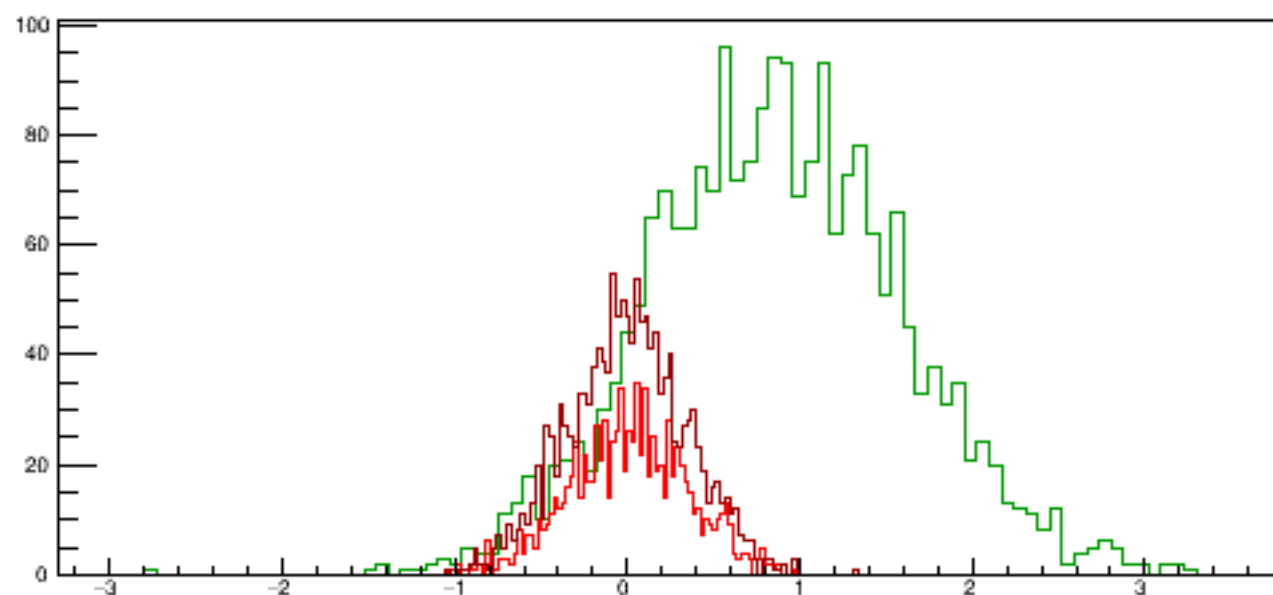
Std Dev: 0.7390 +/- 0.0111

Entries: 1435

Mean: -0.0033 +/- 0.0091

Std Dev: 0.3438 +/- 0.0064

Run 5111 quartetwise, Diffs



Cycle 6, Sums

Entries: 952

Mean: 8.9940 +/- 0.0113

Std Dev: 0.3476 +/- 0.0080

Entries: 2203

Mean: 36.5936 +/- 0.0344

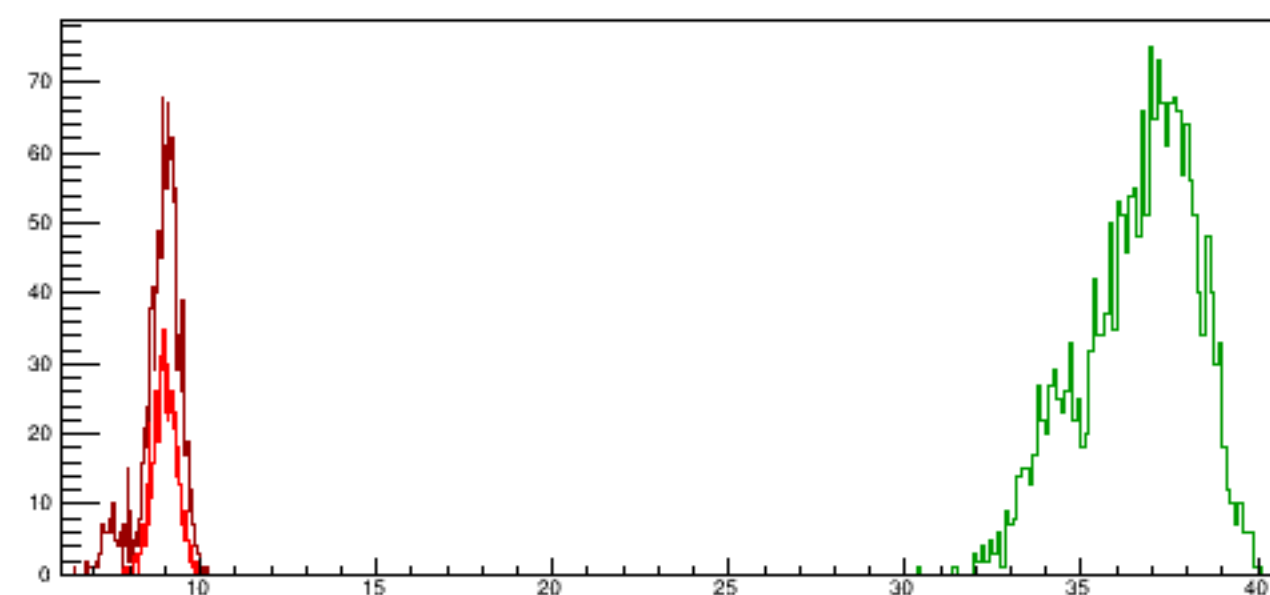
Std Dev: 1.6165 +/- 0.0244

Entries: 1435

Mean: 8.9007 +/- 0.0151

Std Dev: 0.5729 +/- 0.0107

Run 5111 quartetwise, Sums



Cycle 6, Asyms

Entries: 952

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0125 +/- 0.0003

Entries: 2203

Mean: 0.0312 +/- 0.0006

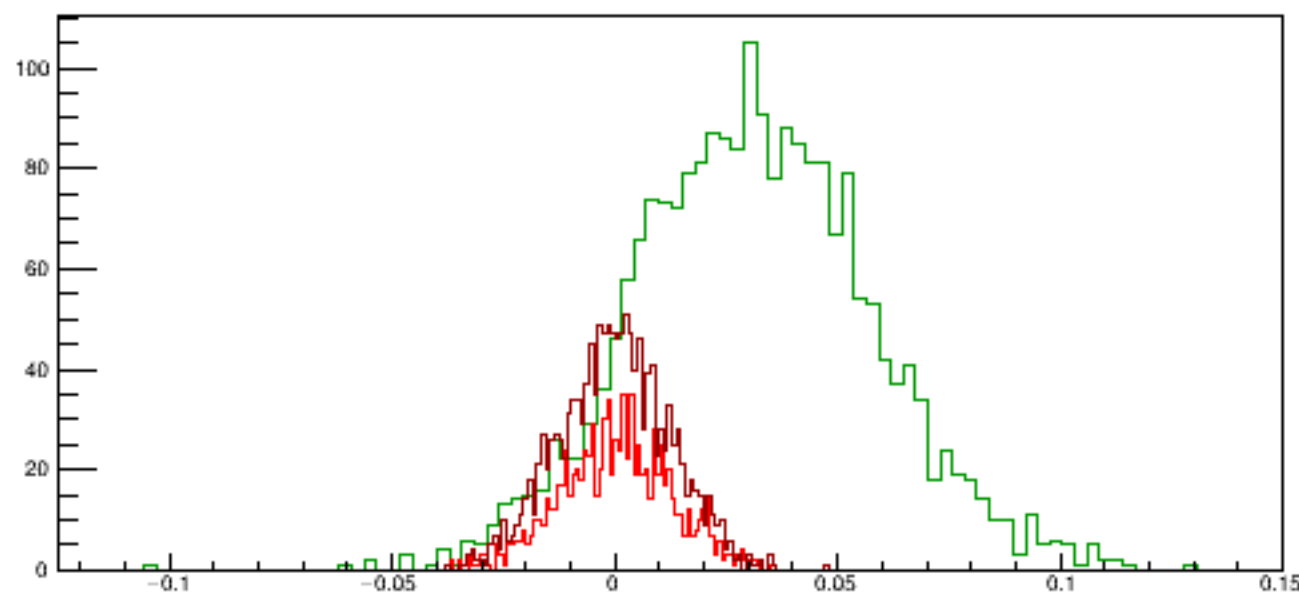
Std Dev: 0.0269 +/- 0.0004

Entries: 1435

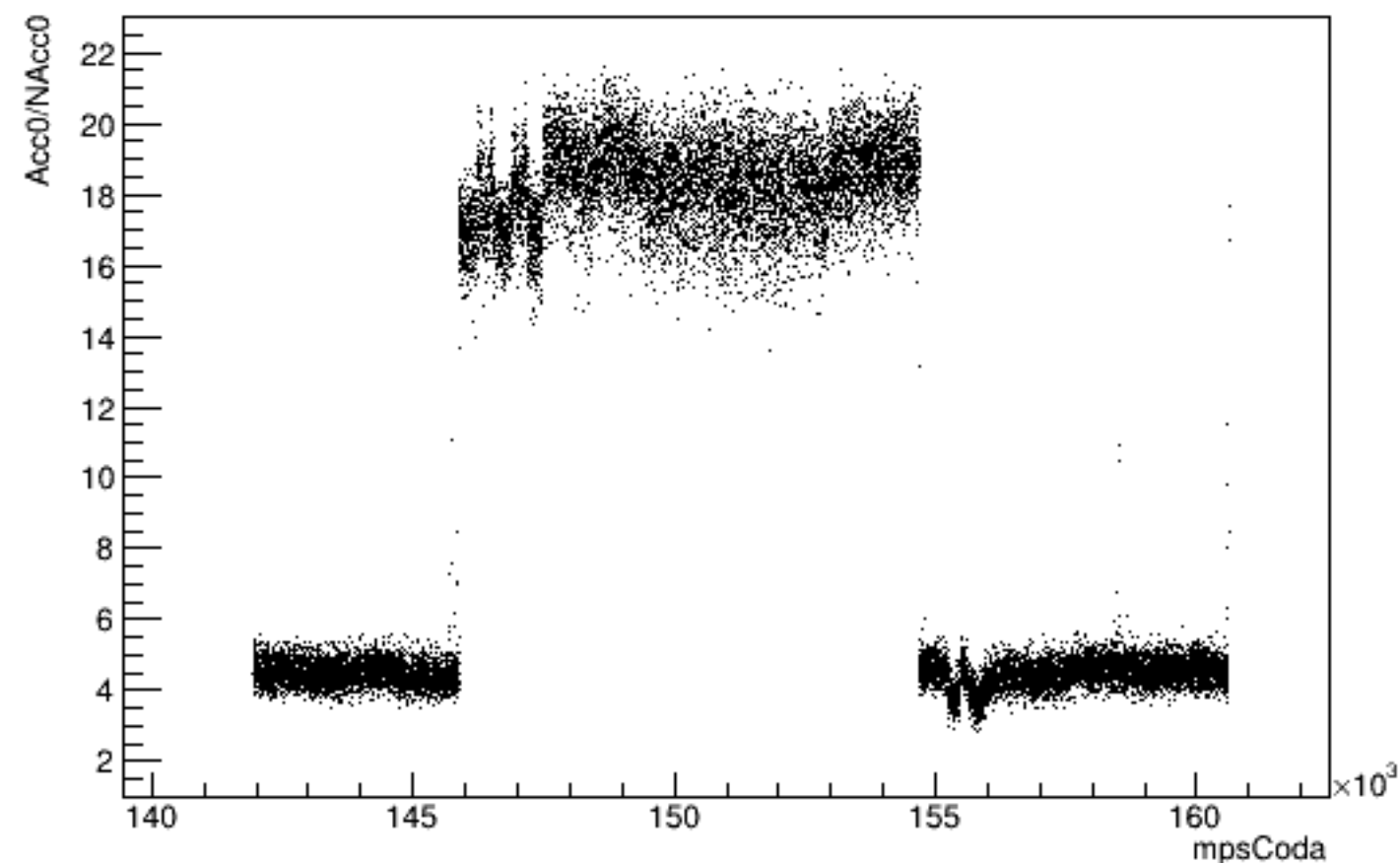
Mean: -0.0001 +/- 0.0003

Std Dev: 0.0124 +/- 0.0002

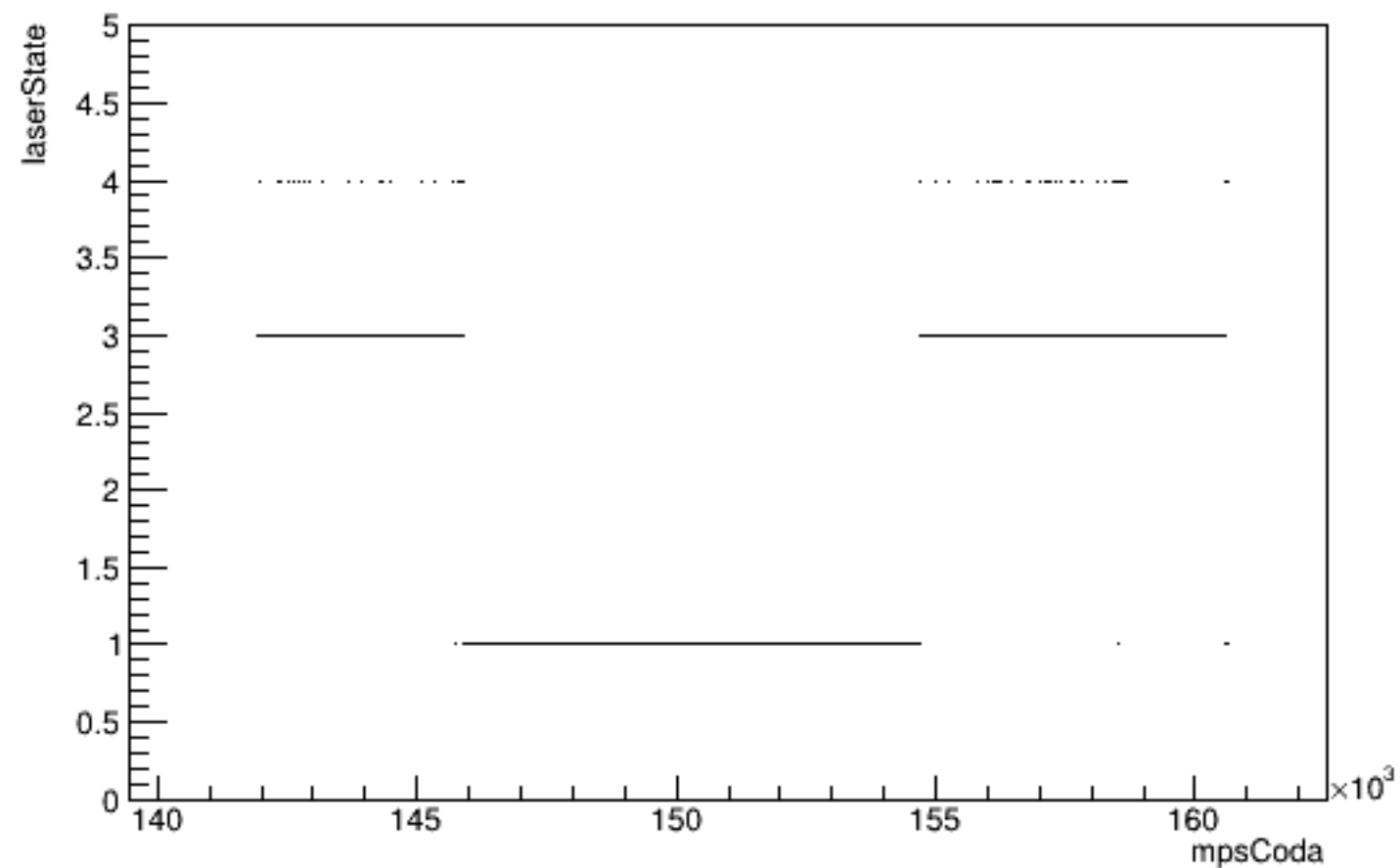
Run 5111 quartetwise, Asyms



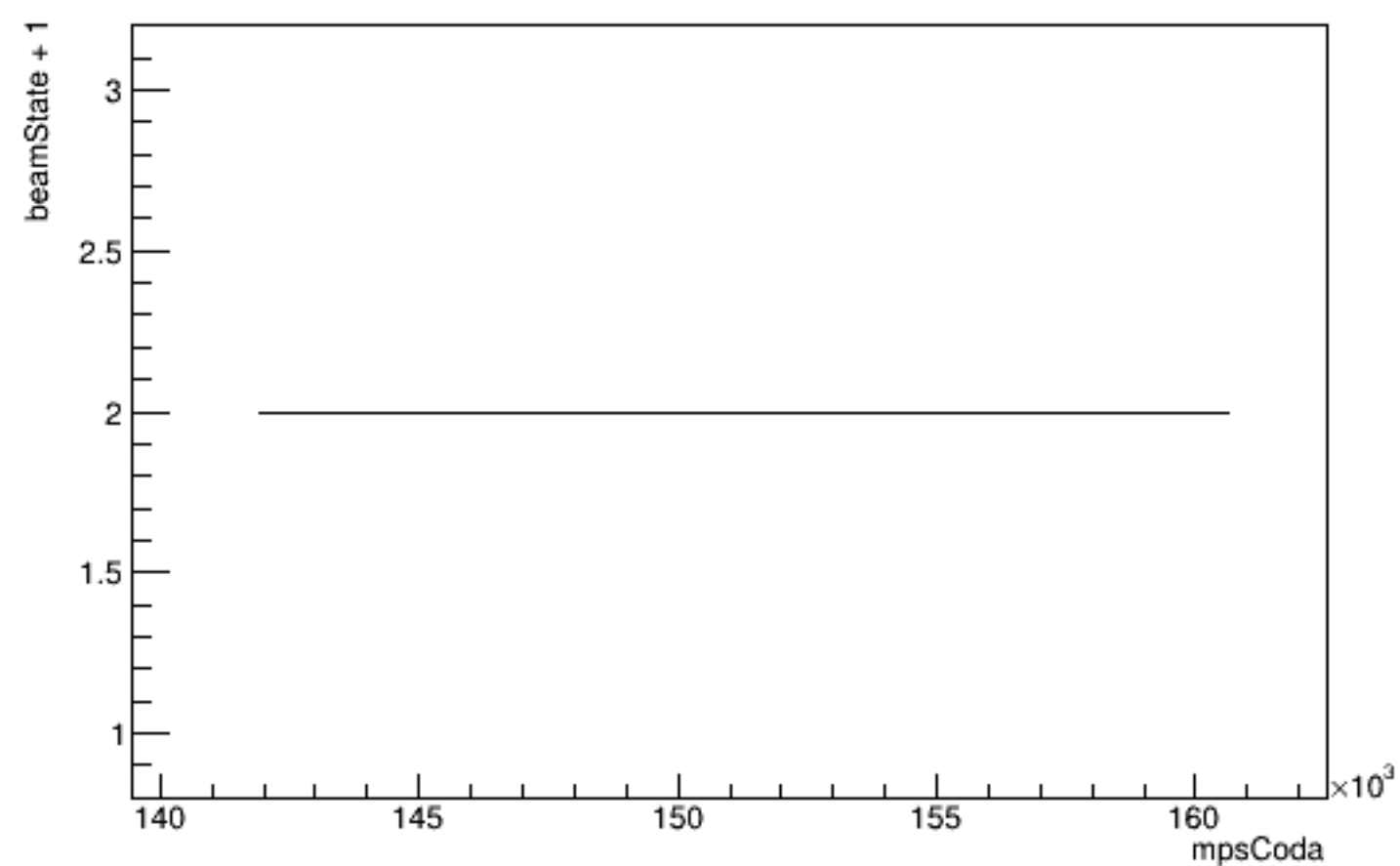
Acc0/NAcc0:mpsCoda (mpsCoda>=141946 && mpsCoda<=160609 && beamState==1)



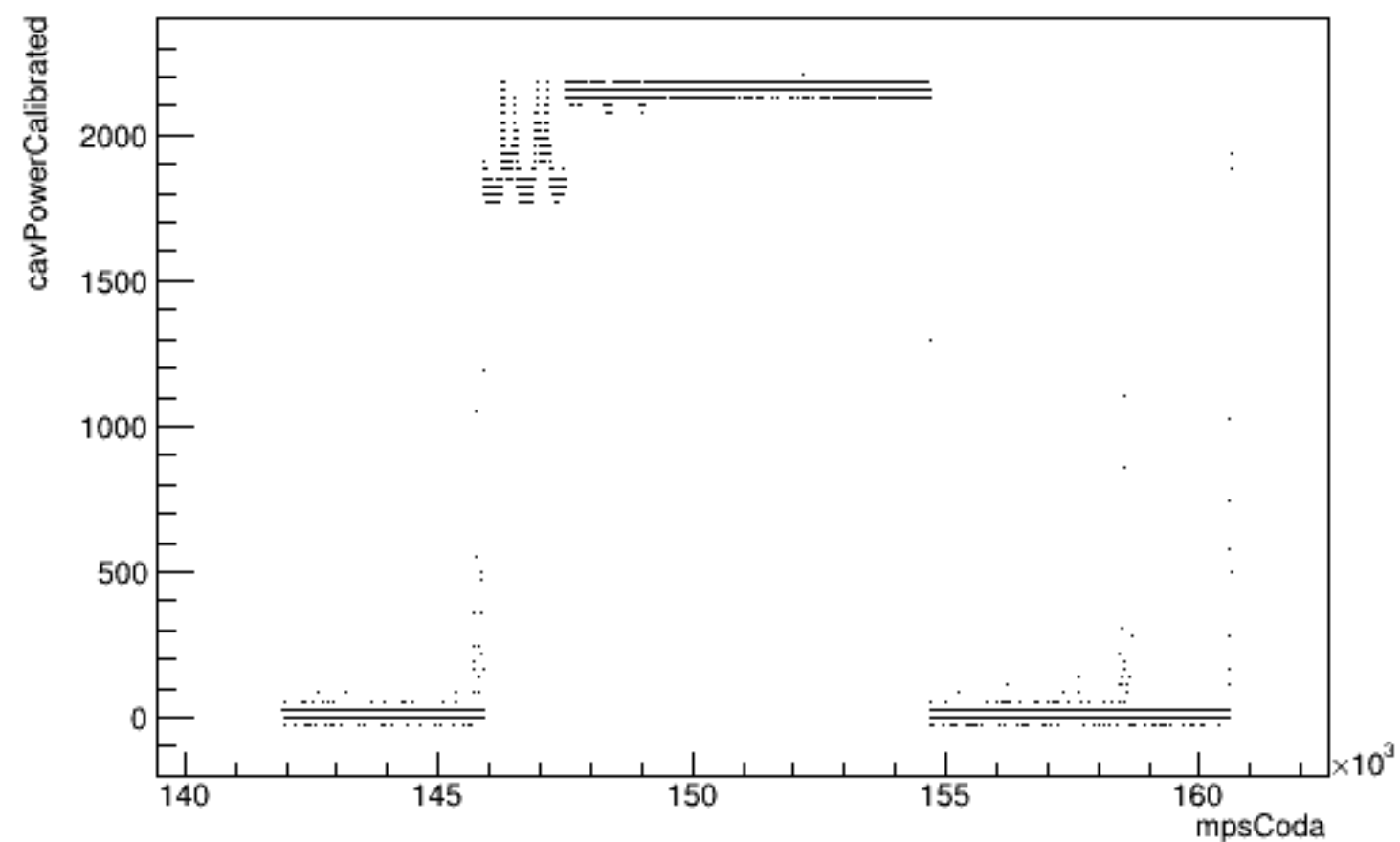
laserState:mpsCoda {mpsCoda>=141946 && mpsCoda<=160609}



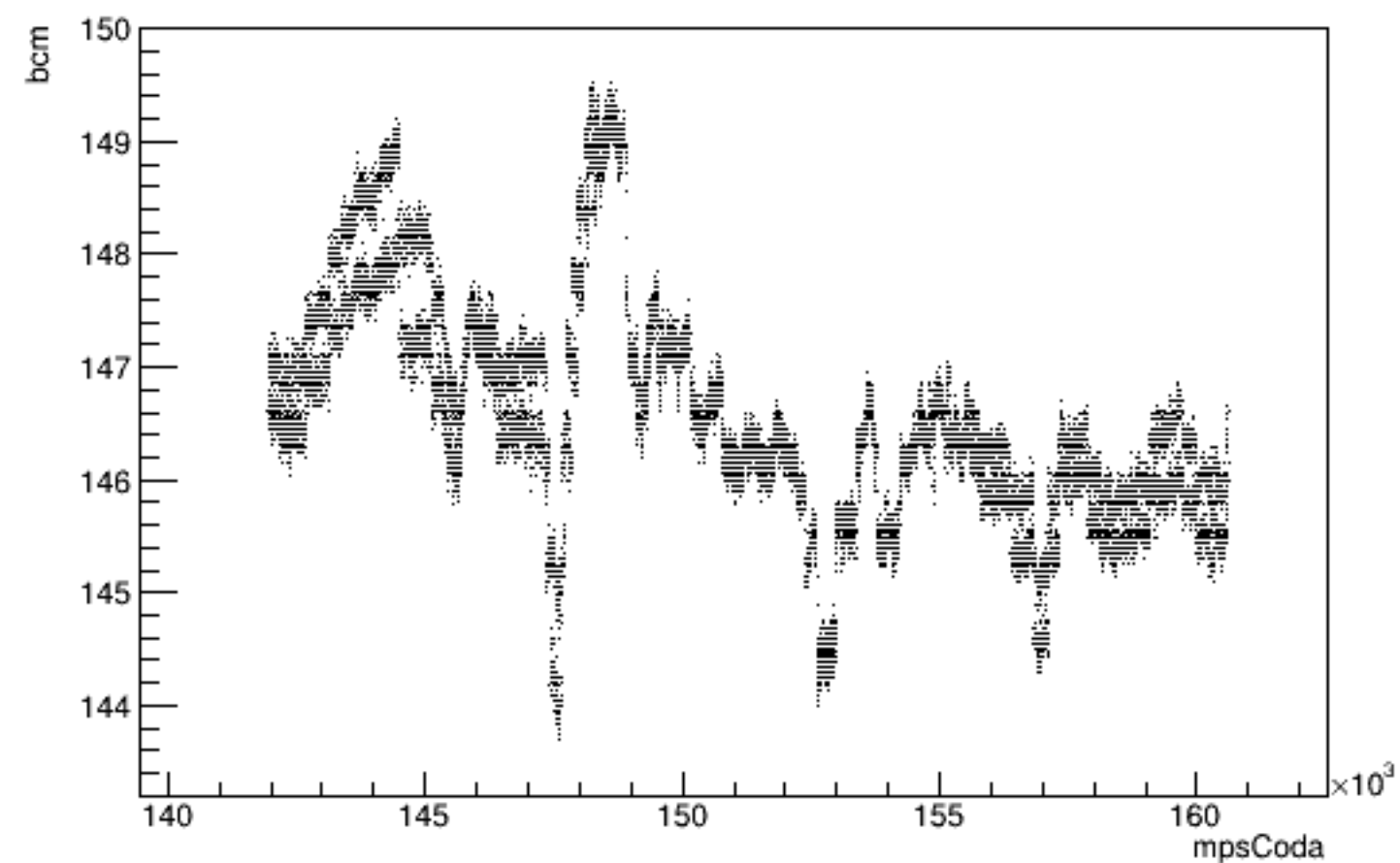
beamState + 1:mpsCoda {mpsCoda>=141946 && mpsCoda<=160609}



cavPowerCalibrated:mpsCoda {mpsCoda>=141946 && mpsCoda<=160609}



bcm:mpsCoda {mpsCoda>=141946 && mpsCoda<=160609}



Cycle 7, Diffs

Entries: 1435

Mean: -0.0033 +/- 0.0091

Std Dev: 0.3438 +/- 0.0064

Entries: 2252

Mean: 0.8916 +/- 0.0139

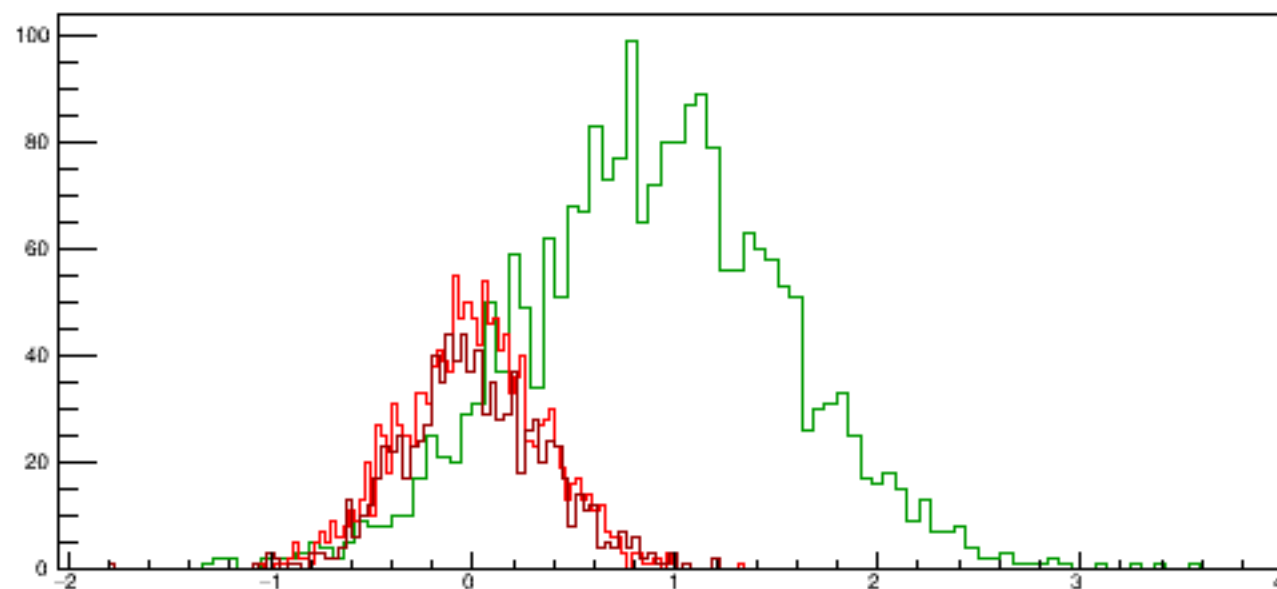
Std Dev: 0.6574 +/- 0.0098

Entries: 924

Mean: 0.0096 +/- 0.0118

Std Dev: 0.3596 +/- 0.0084

Run 5111 quartetwise, Diffs



Cycle 7, Sums

Entries: 1435

Mean: 8.9007 +/- 0.0151

Std Dev: 0.5729 +/- 0.0107

Entries: 2252

Mean: 37.5789 +/- 0.0340

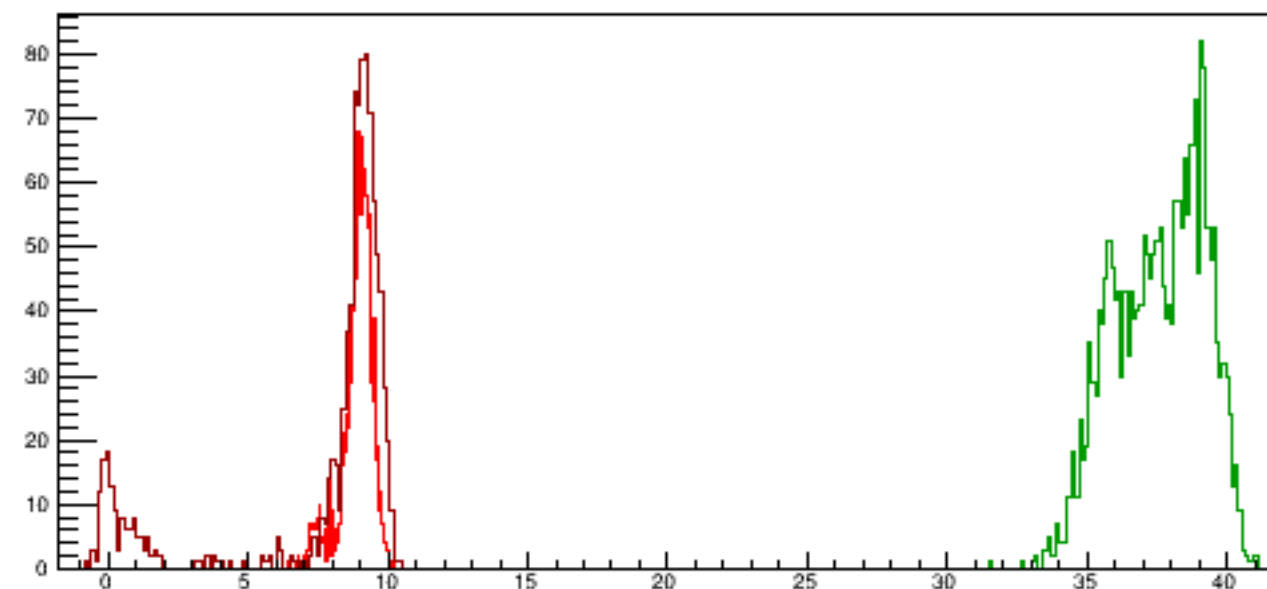
Std Dev: 1.6111 +/- 0.0240

Entries: 924

Mean: 7.7366 +/- 0.1021

Std Dev: 3.1038 +/- 0.0722

Run 5111 quartetwise, Sums



Cycle 7, Asyms

Entries: 1435

Mean: -0.0001 +/- 0.0003

Std Dev: 0.0117 +/- 0.0002

Entries: 2252

Mean: 0.0304 +/- 0.0005

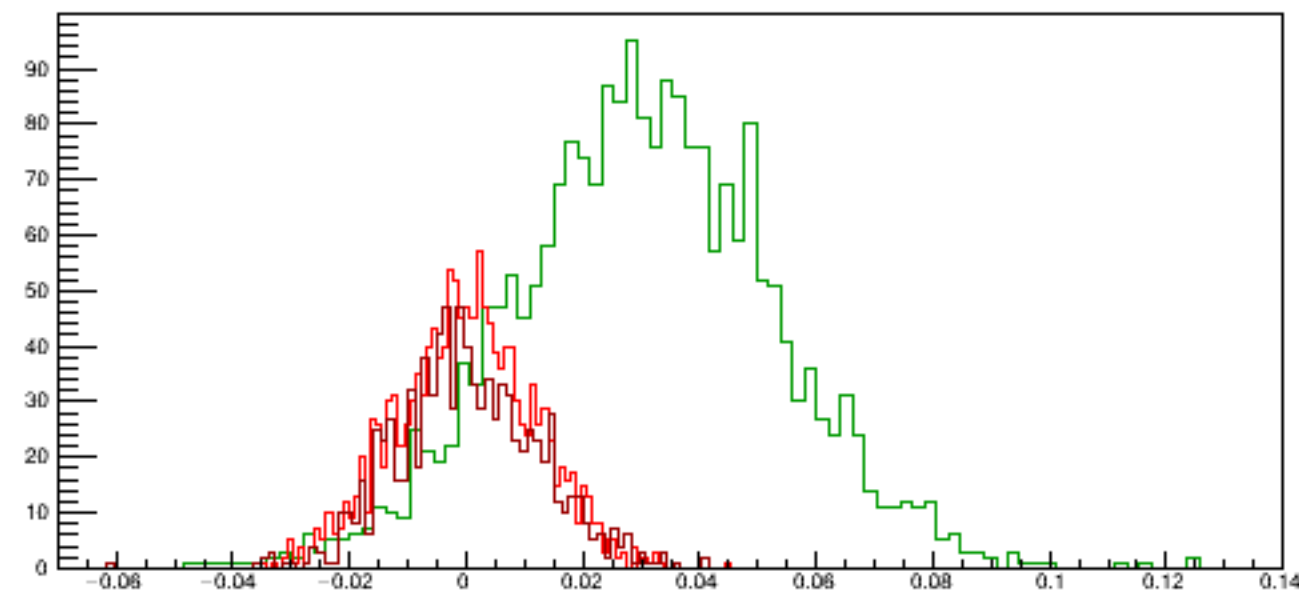
Std Dev: 0.0226 +/- 0.0003

Entries: 924

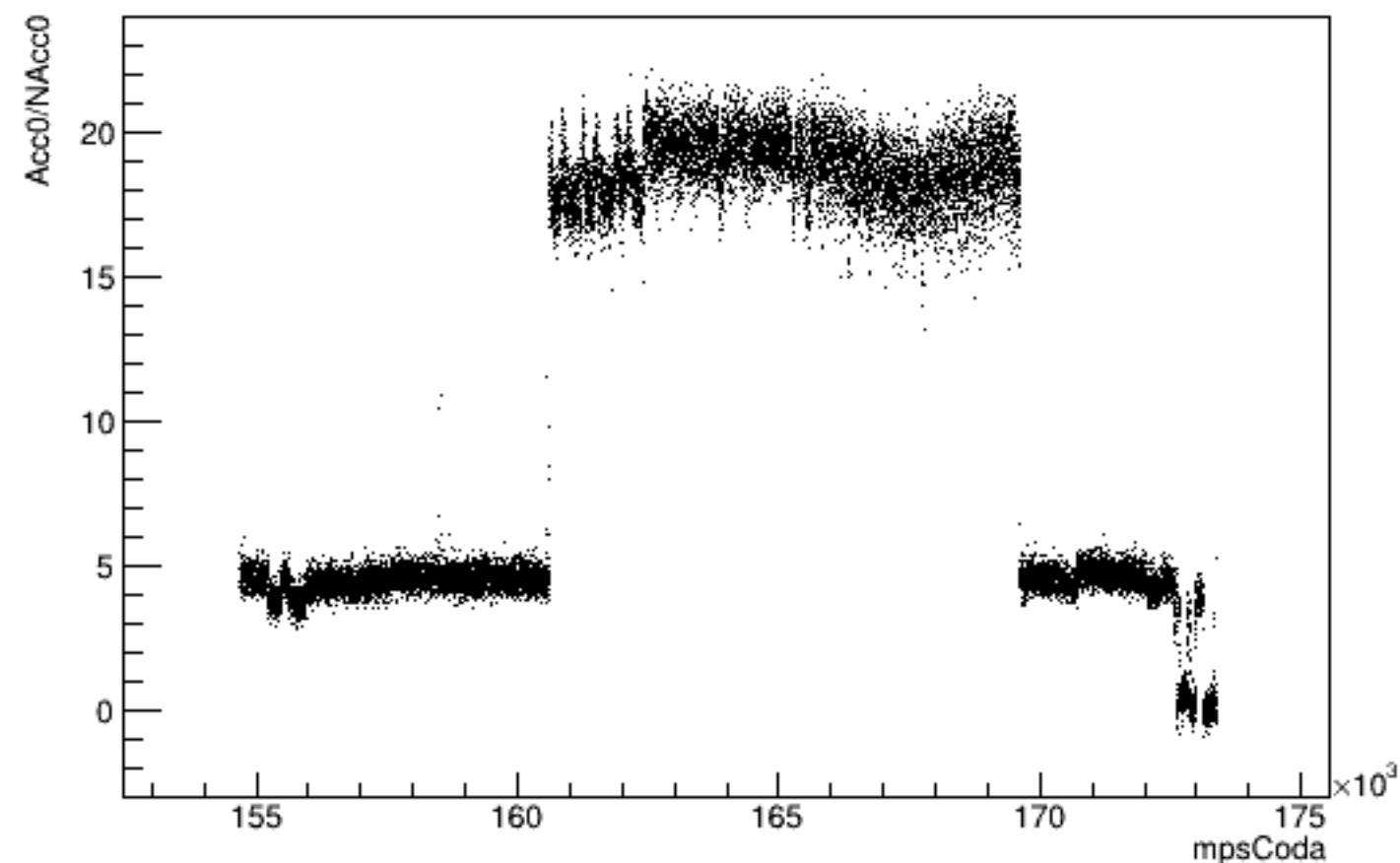
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0123 +/- 0.0003

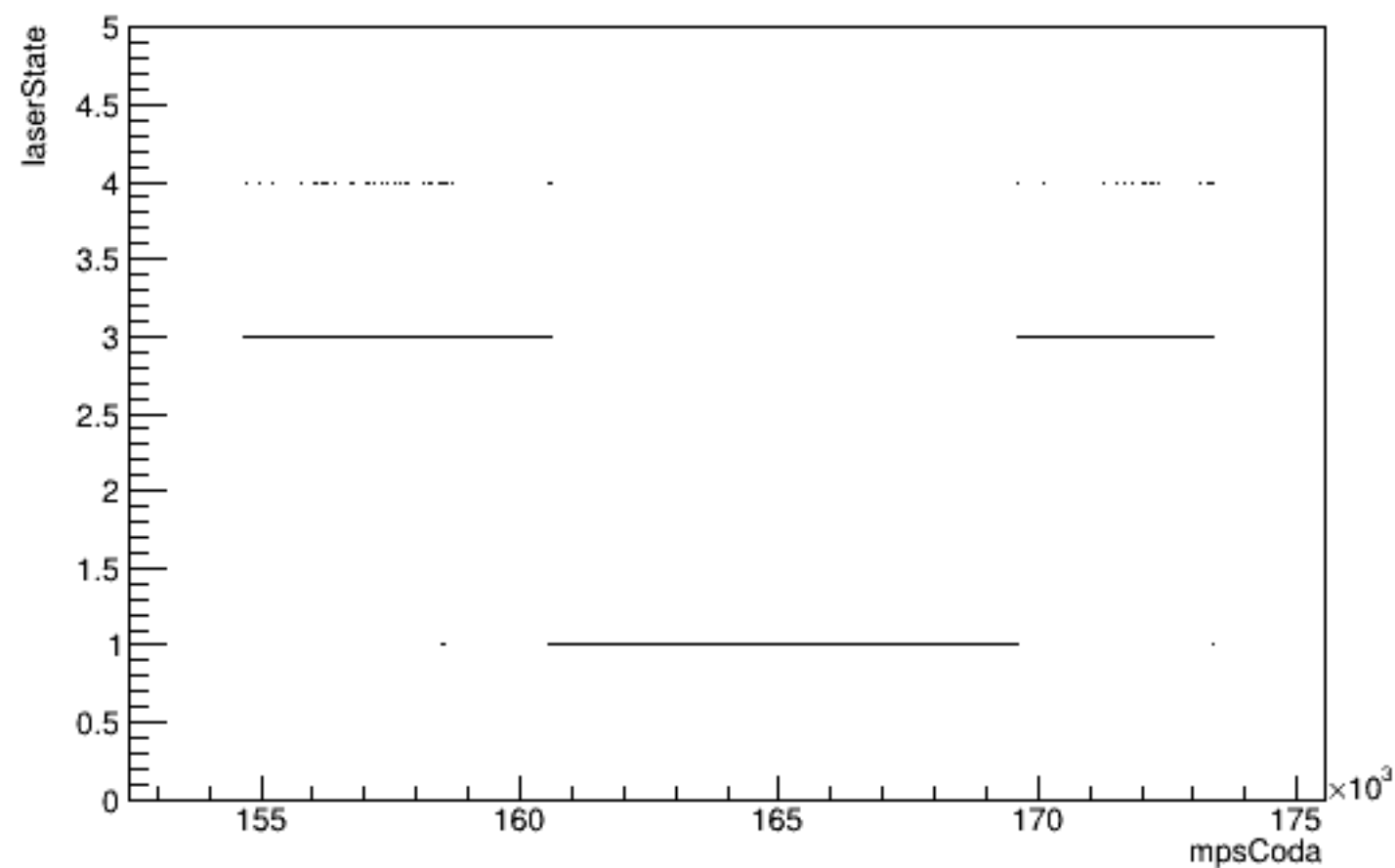
Run 5111 quartetwise, Asyms



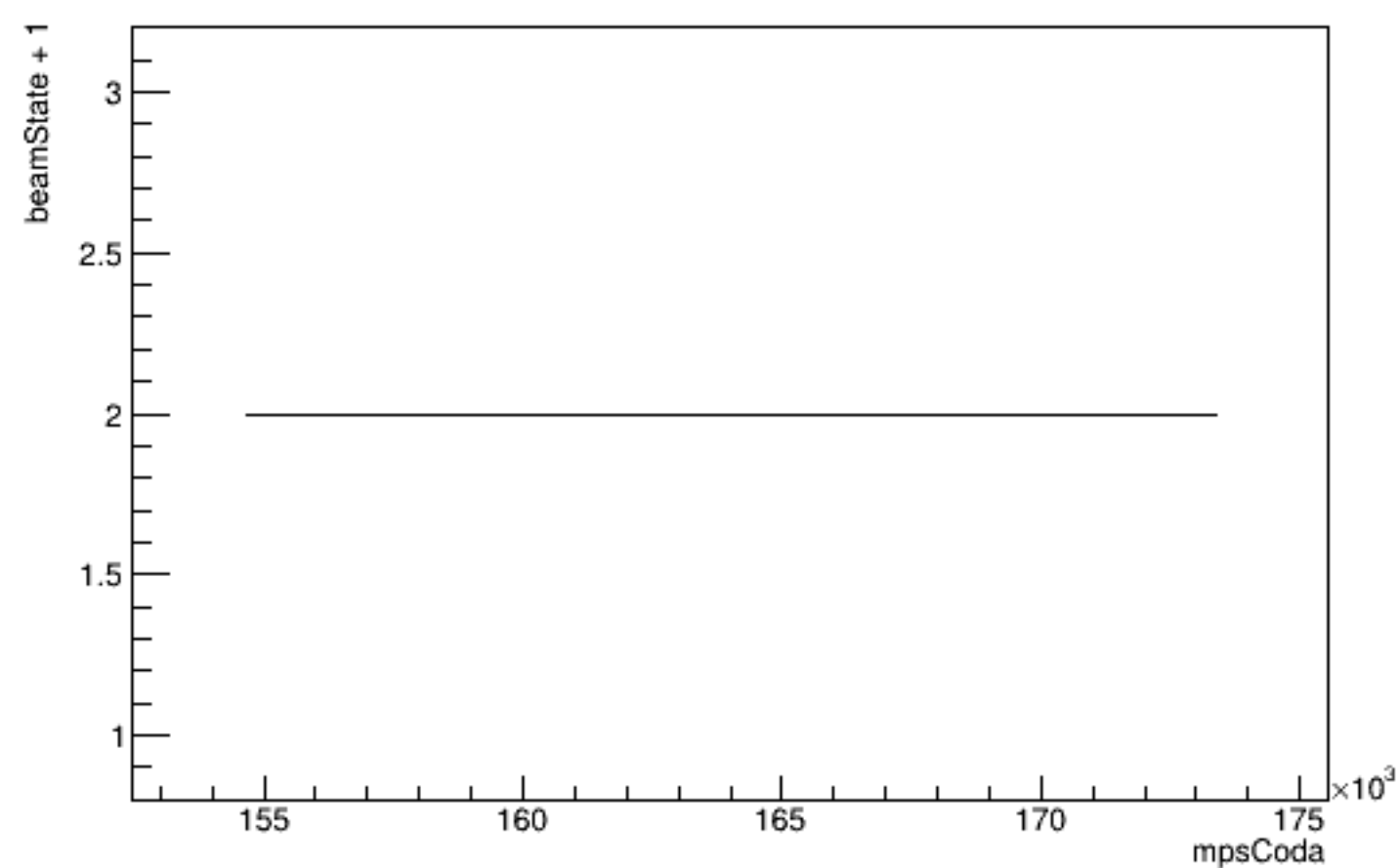
Acc0/NAcc0:mpsCoda (mpsCoda>=154690 && mpsCoda<=173381 && beamState==1)



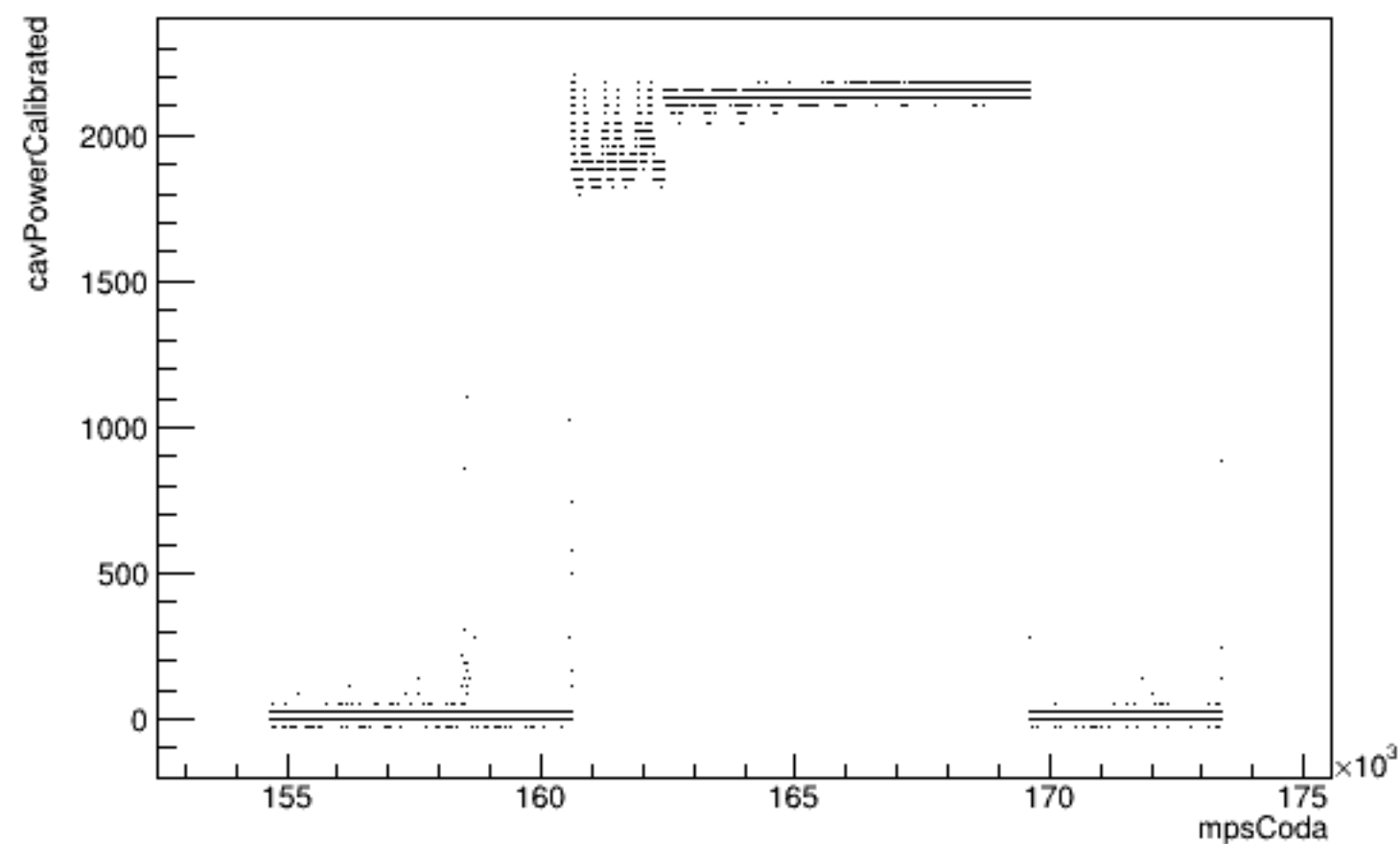
laserState:mpsCoda {mpsCoda>=154690 && mpsCoda<=173381}



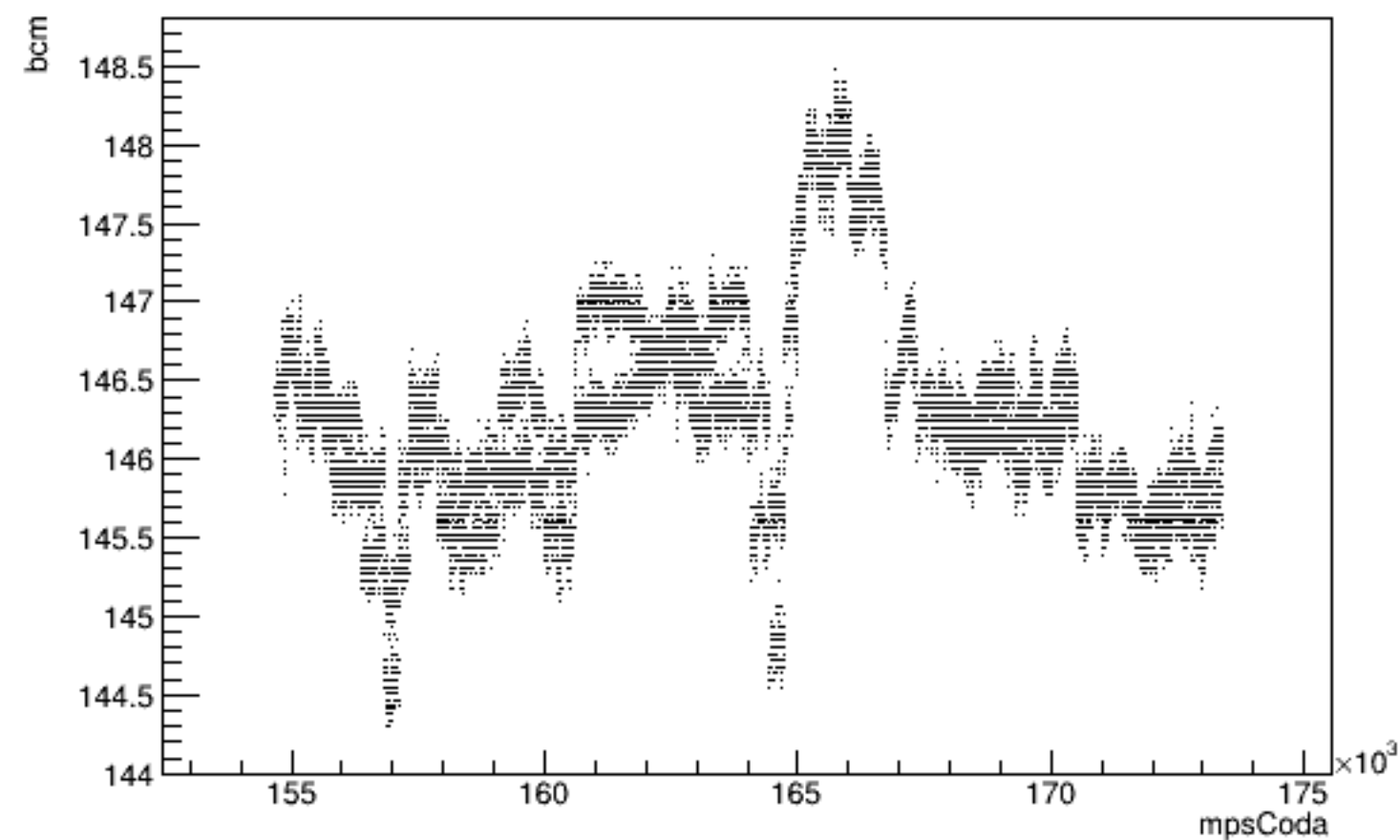
beamState + 1:mpsCoda {mpsCoda>=154690 && mpsCoda<=173381}



cavPowerCalibrated:mpsCoda {mpsCoda>=154690 && mpsCoda<=173381}



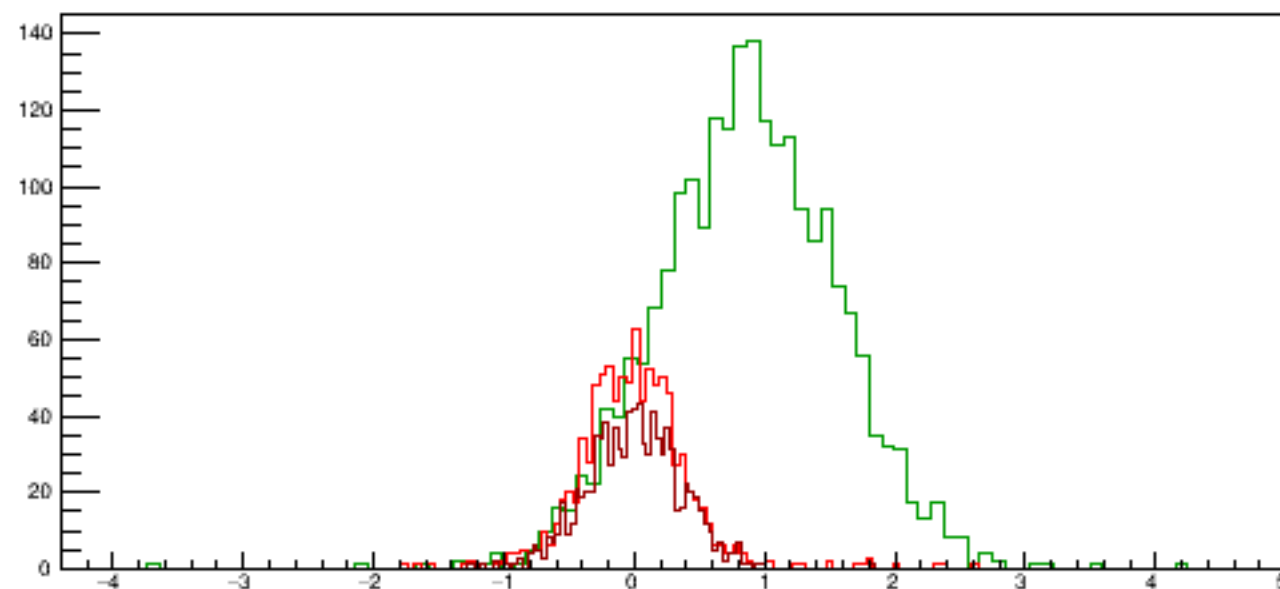
bcm:mpsCoda {mpsCoda>=154690 && mpsCoda<=173381}



Cycle 8, Diffs

Entries: 943	Entries: 2221	Entries: 926
Mean: -0.0060 +/- 0.0139	Mean: 0.8655 +/- 0.0145	Mean: -0.0045 +/- 0.0118
Std Dev: 0.4283 +/- 0.0099	Std Dev: 0.6853 +/- 0.0103	Std Dev: 0.3576 +/- 0.0083

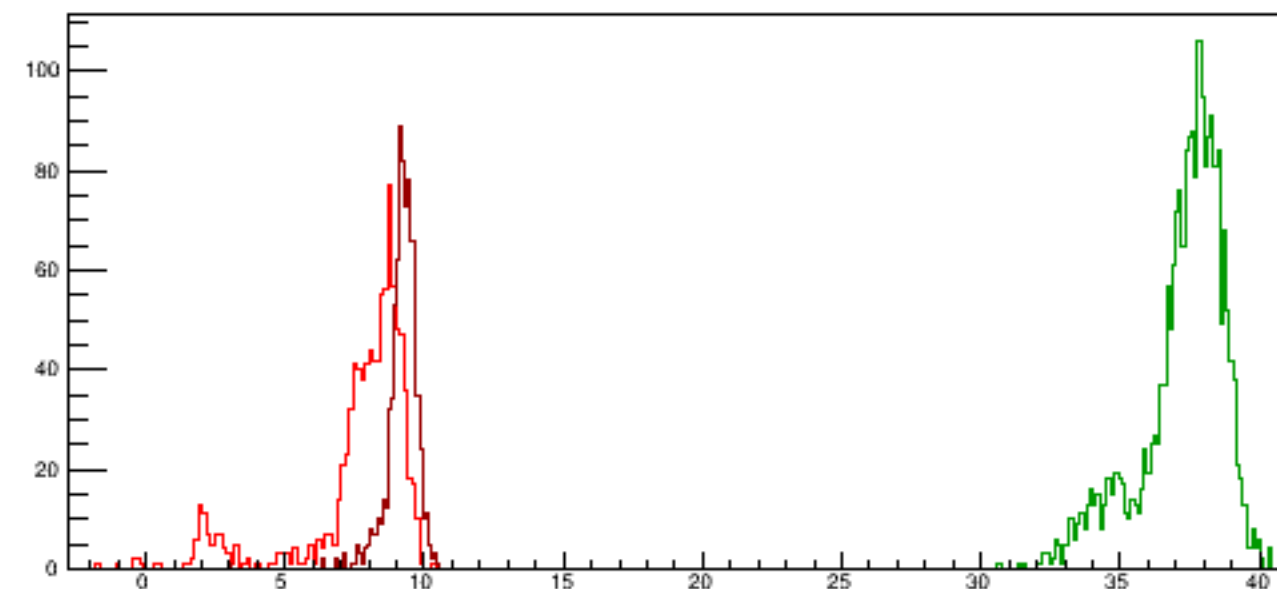
Run 5111 quartetwise, Diffs



Cycle 8, Sums

Entries: 943	Entries: 2221	Entries: 926
Mean: 7.6683 +/- 0.0652	Mean: 37.2581 +/- 0.0320	Mean: 9.2109 +/- 0.0181
Std Dev: 2.0014 +/- 0.0461	Std Dev: 1.5085 +/- 0.0226	Std Dev: 0.5513 +/- 0.0128

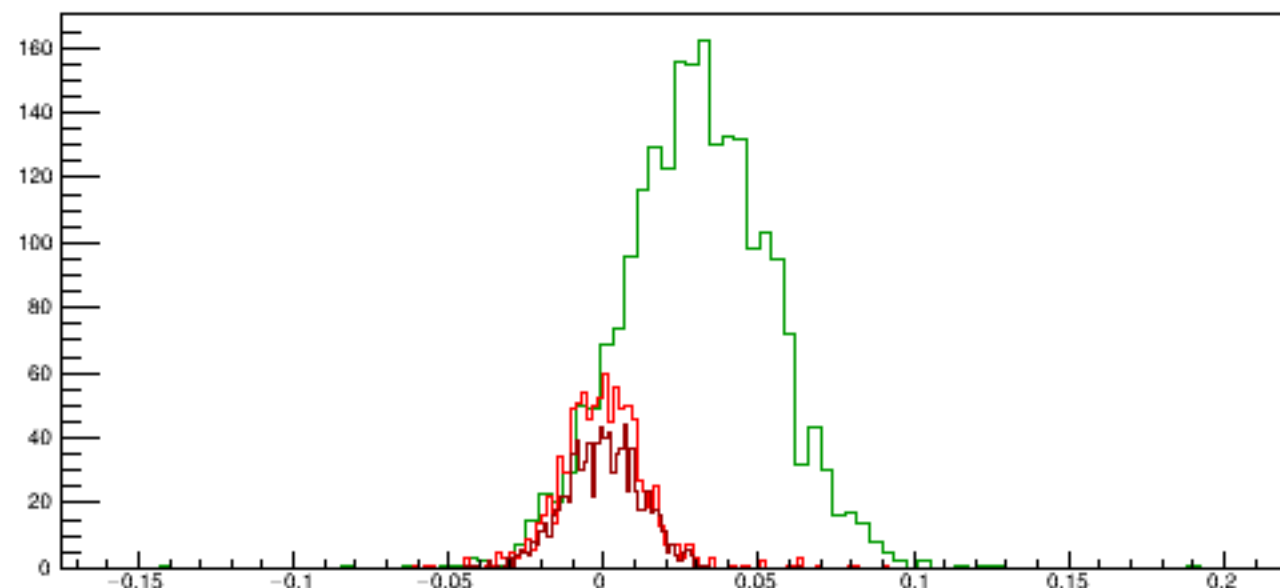
Run 5111 quartetwise, Sums



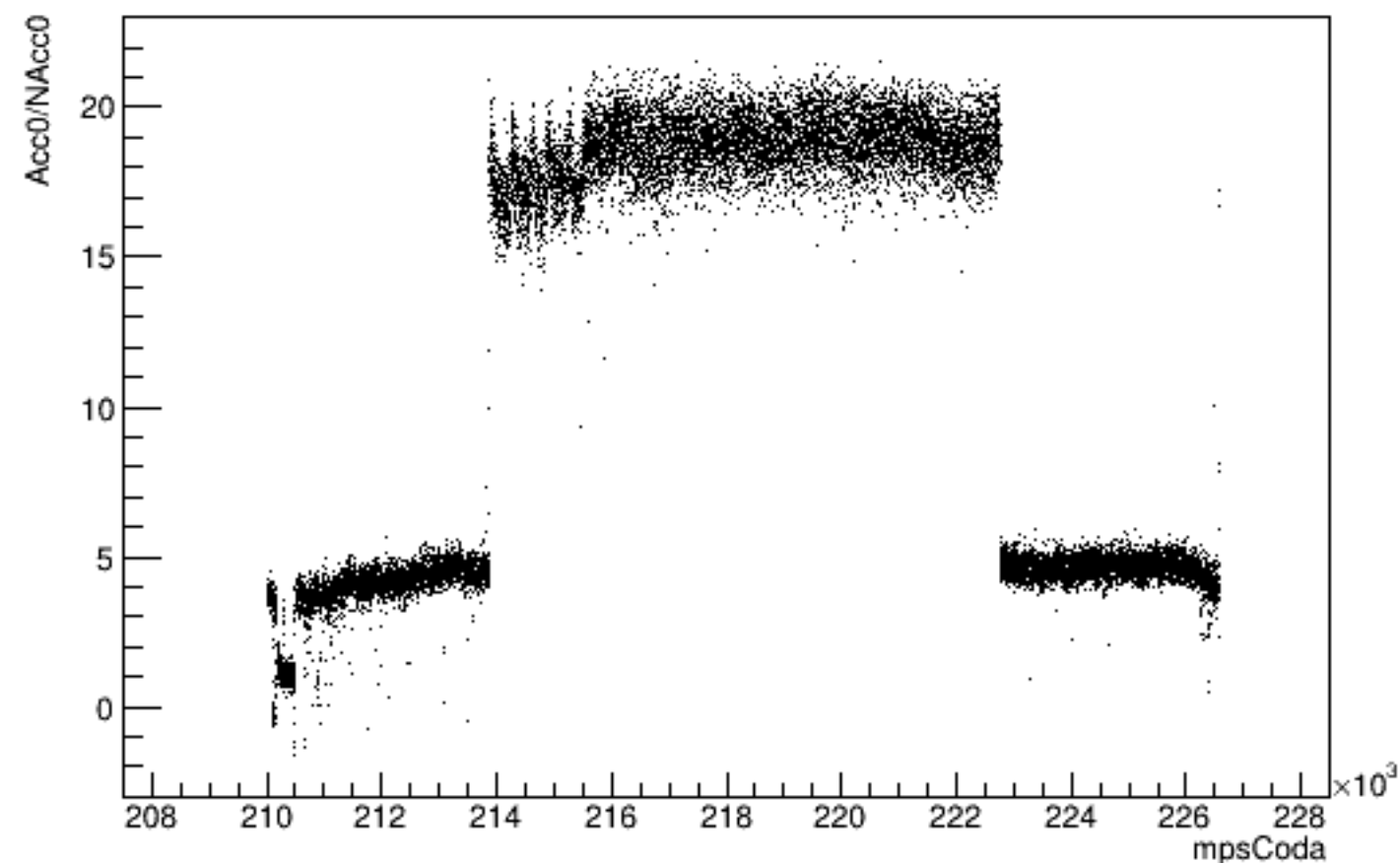
Cycle 8, Asyms

Entries: 943	Entries: 2221	Entries: 926
Mean: -0.0002 +/- 0.0005	Mean: 0.0300 +/- 0.0005	Mean: -0.0002 +/- 0.0004
Std Dev: 0.0149 +/- 0.0003	Std Dev: 0.0241 +/- 0.0004	Std Dev: 0.0124 +/- 0.0003

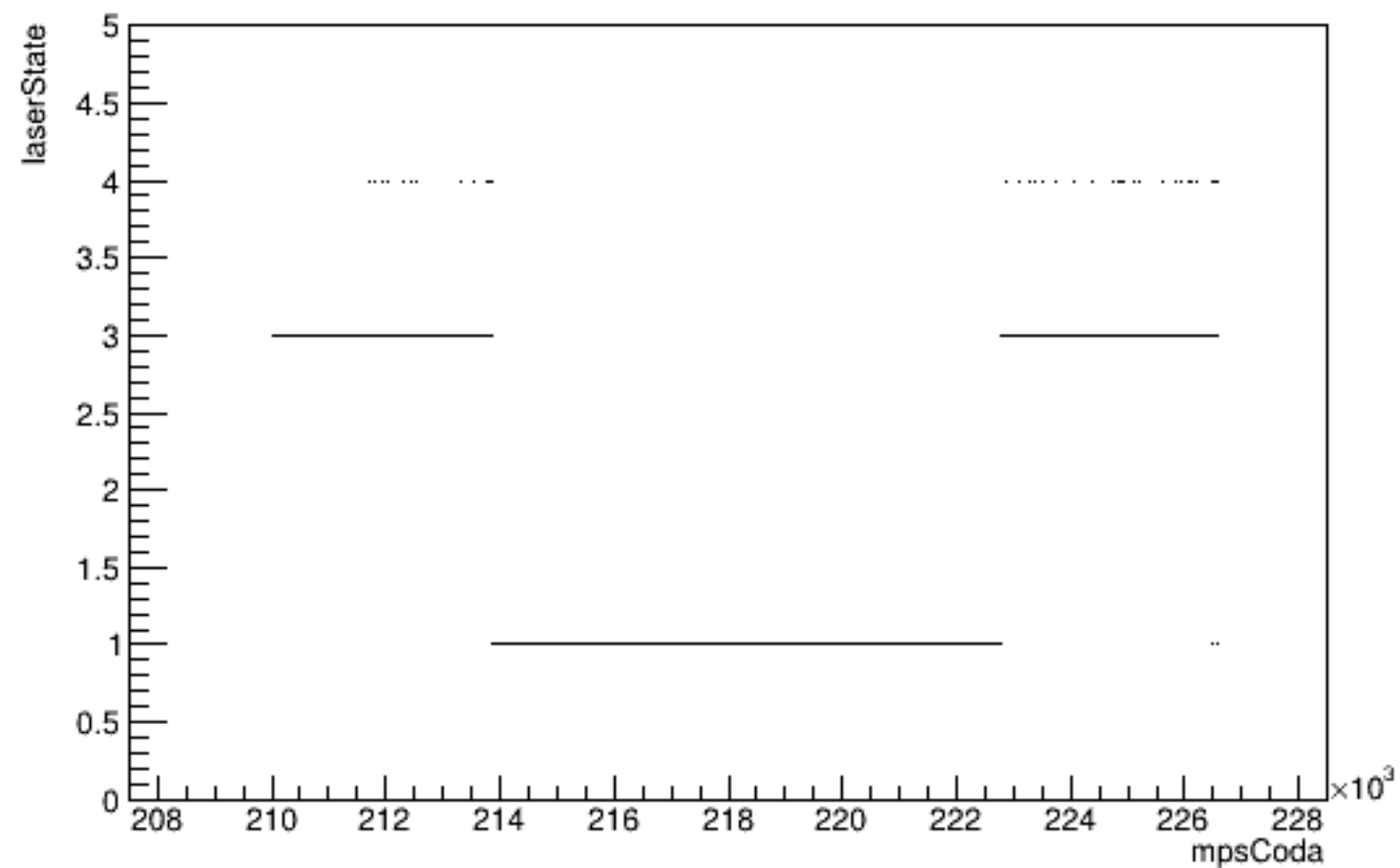
Run 5111 quartetwise, Asyms



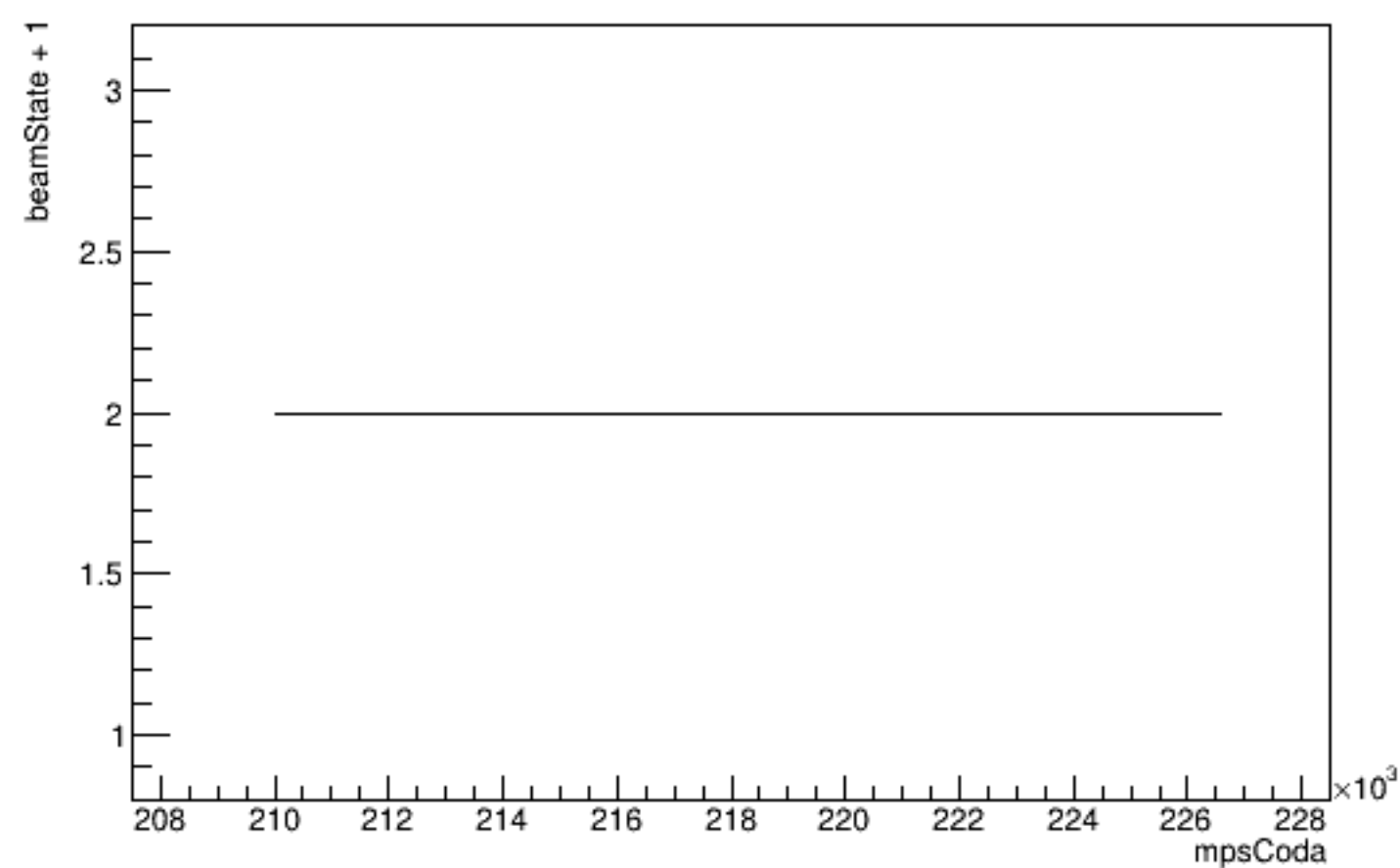
Acc0/NAcc0:mpsCoda (mpsCoda>=210026 && mpsCoda<=226573 && beamState==1)



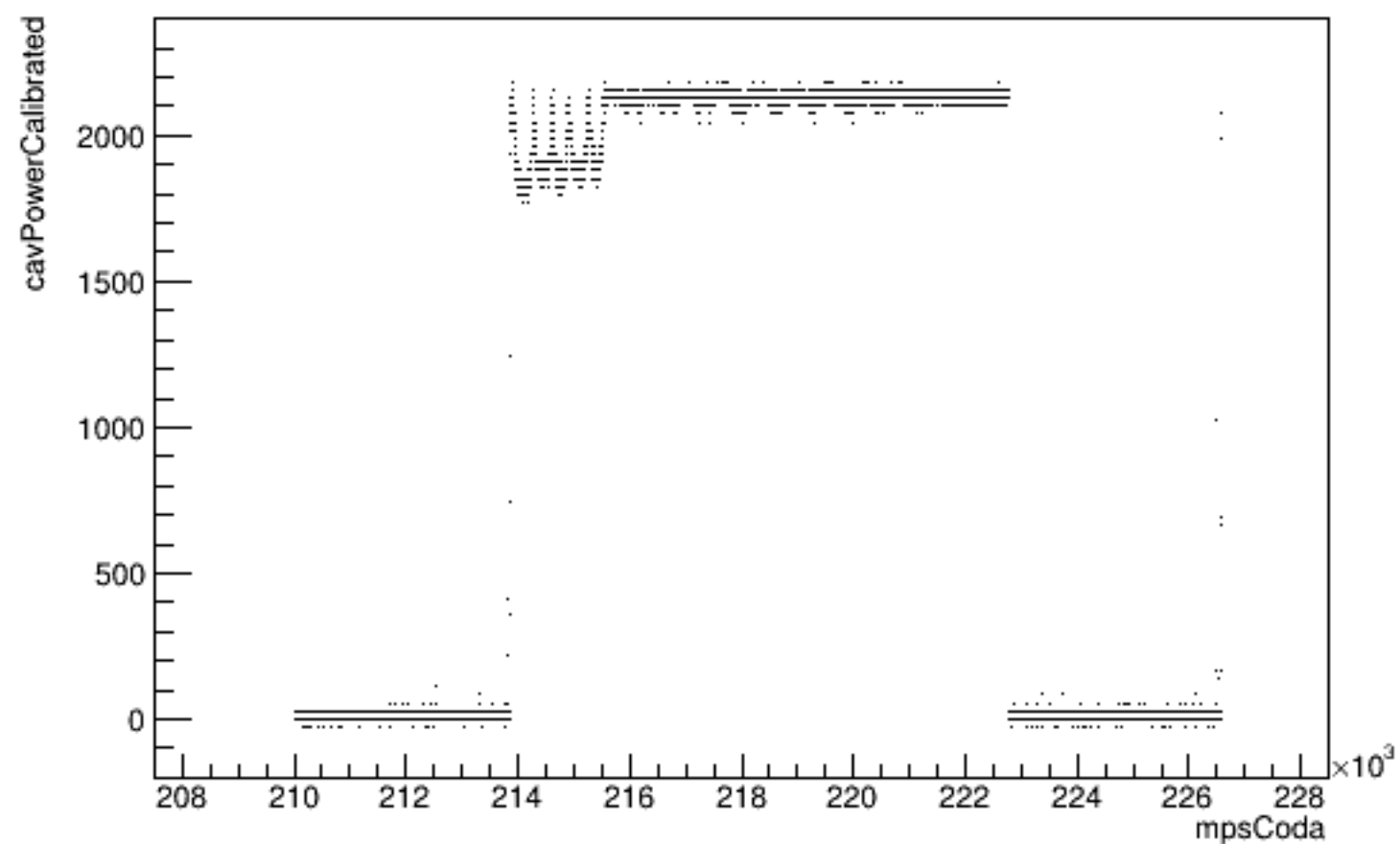
laserState:mpsCoda {mpsCoda>=210026 && mpsCoda<=226573}



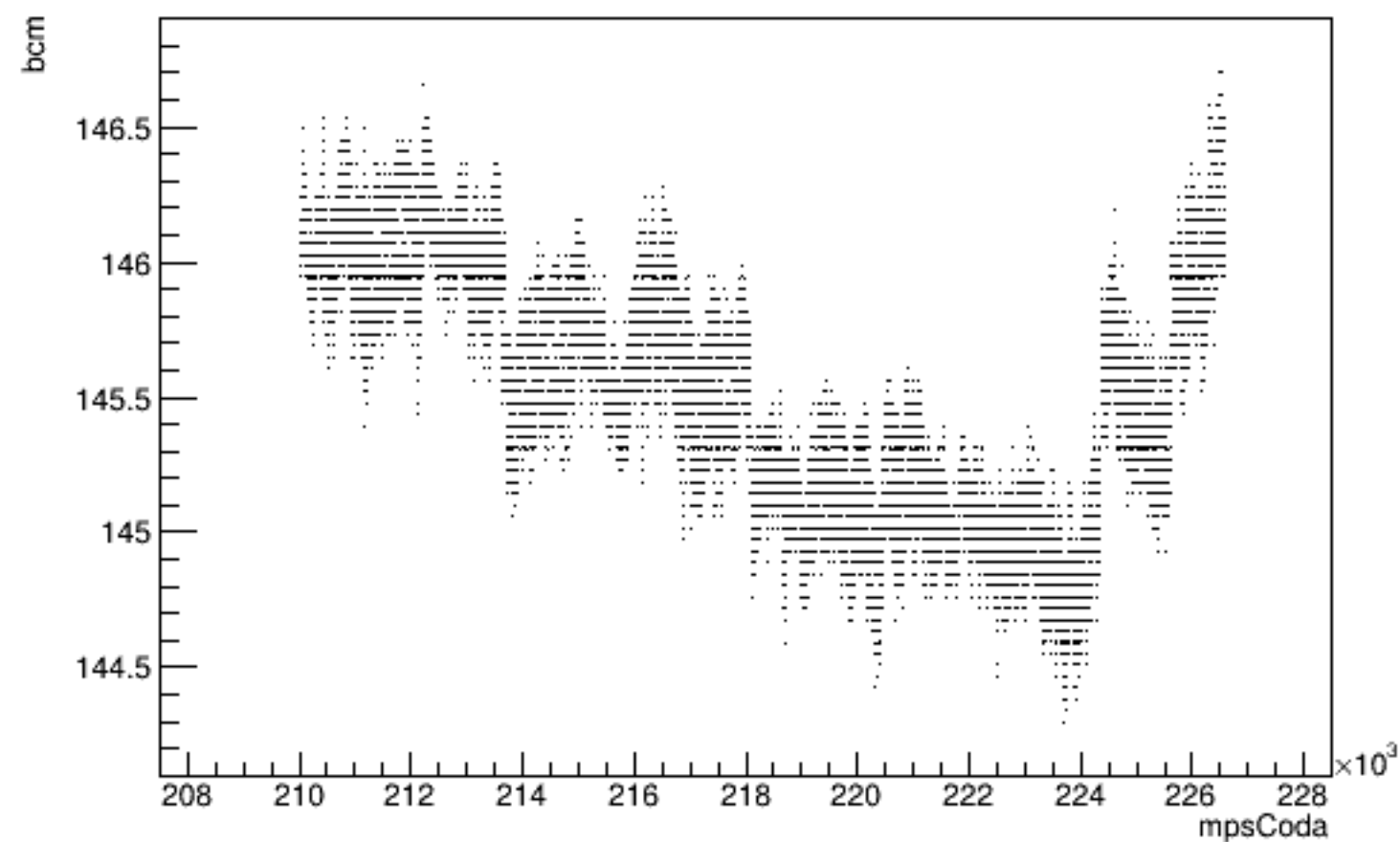
beamState + 1:mpsCoda {mpsCoda>=210026 && mpsCoda<=226573}



cavPowerCalibrated:mpsCoda {mpsCoda>=210026 && mpsCoda<=226573}



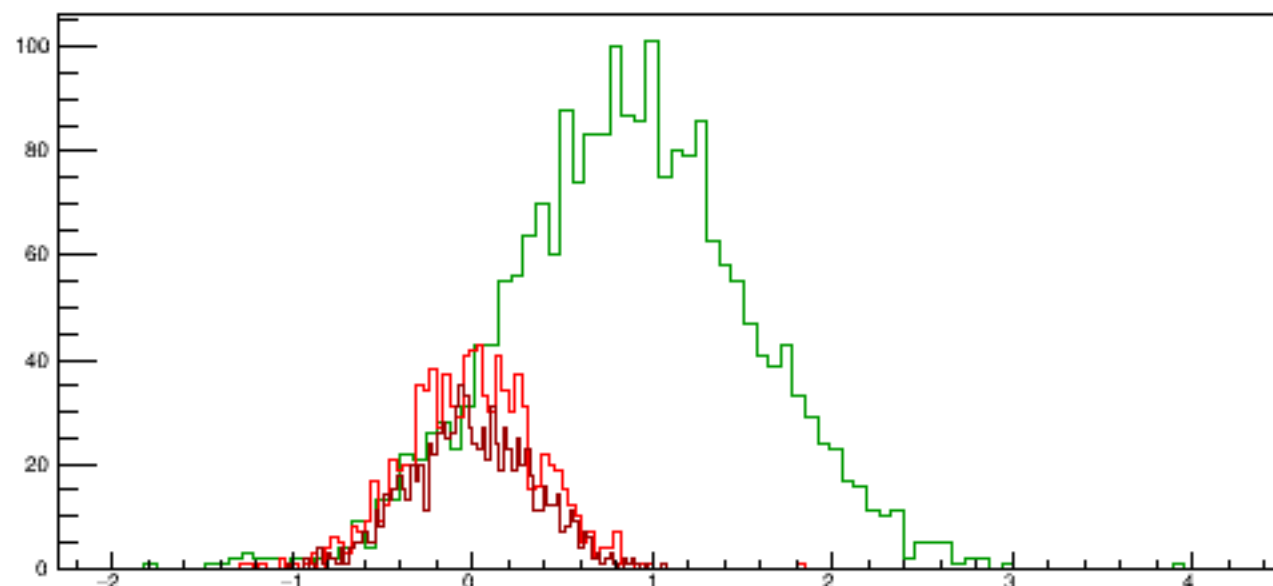
bcm:mpsCoda {mpsCoda>=210026 && mpsCoda<=226573}



Cycle 9, Diffs

Entries: 926	Entries: 2170	Entries: 975
Mean: -0.0045 +/- 0.0118	Mean: 0.8707 +/- 0.0146	Mean: -0.0023 +/- 0.0108
Std Dev: 0.3576 +/- 0.0083	Std Dev: 0.6796 +/- 0.0103	Std Dev: 0.3387 +/- 0.0077

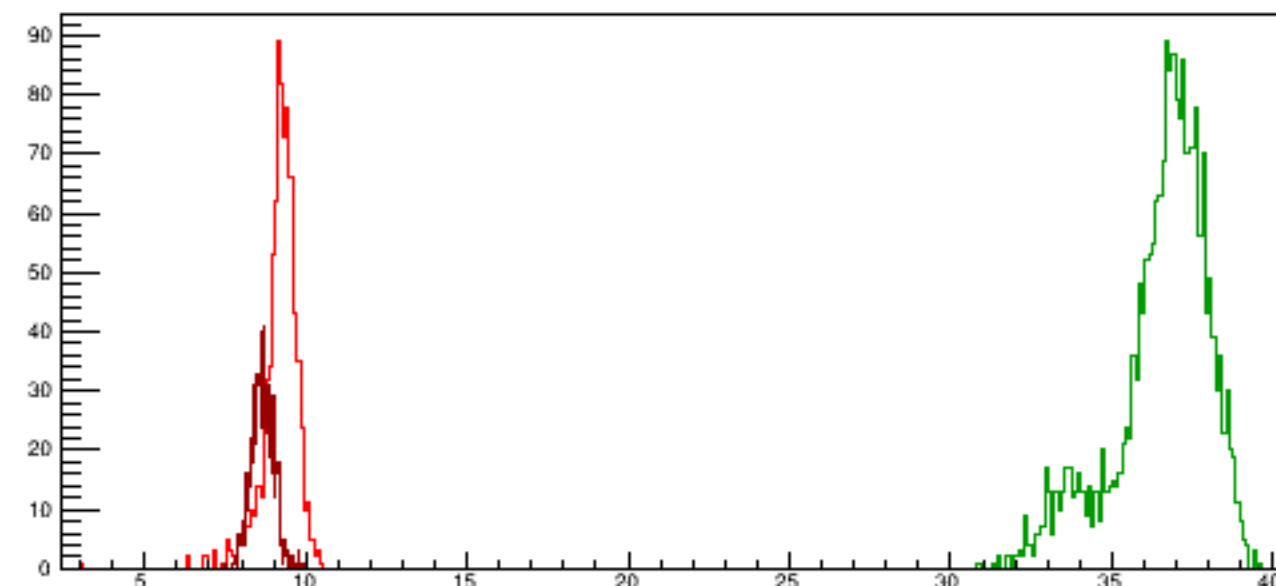
Run 5111 quartetwise, Diffs



Cycle 9, Sums

Entries: 926	Entries: 2170	Entries: 975
Mean: 9.2109 +/- 0.0181	Mean: 36.5652 +/- 0.0314	Mean: 8.6598 +/- 0.0112
Std Dev: 0.5513 +/- 0.0128	Std Dev: 1.4626 +/- 0.0222	Std Dev: 0.3485 +/- 0.0079

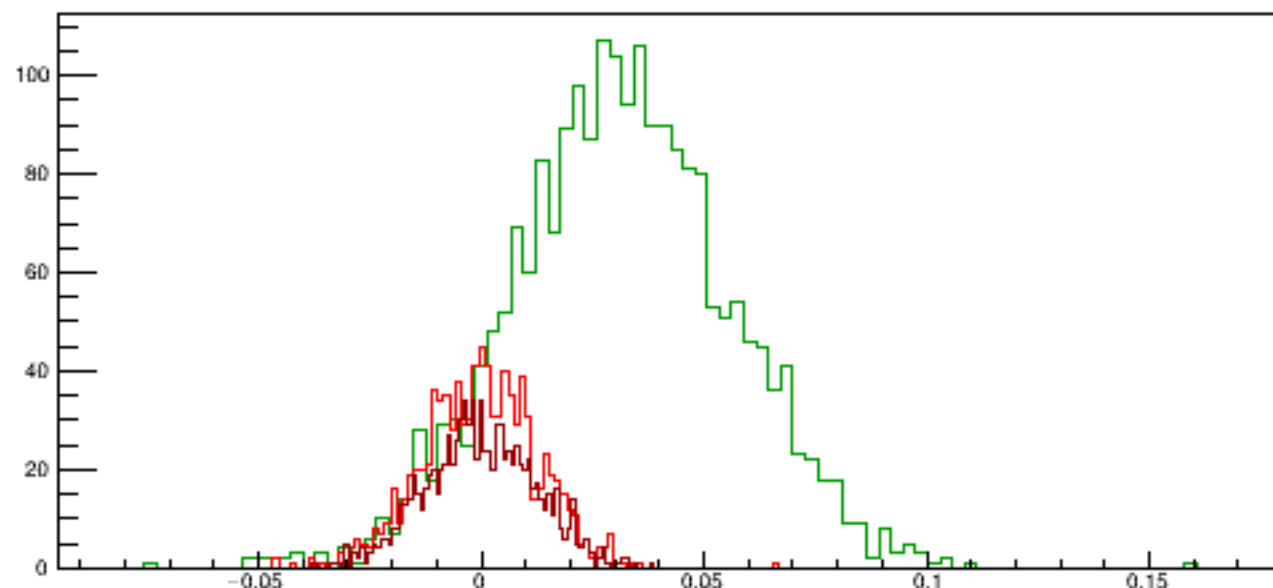
Run 5111 quartetwise, Sums



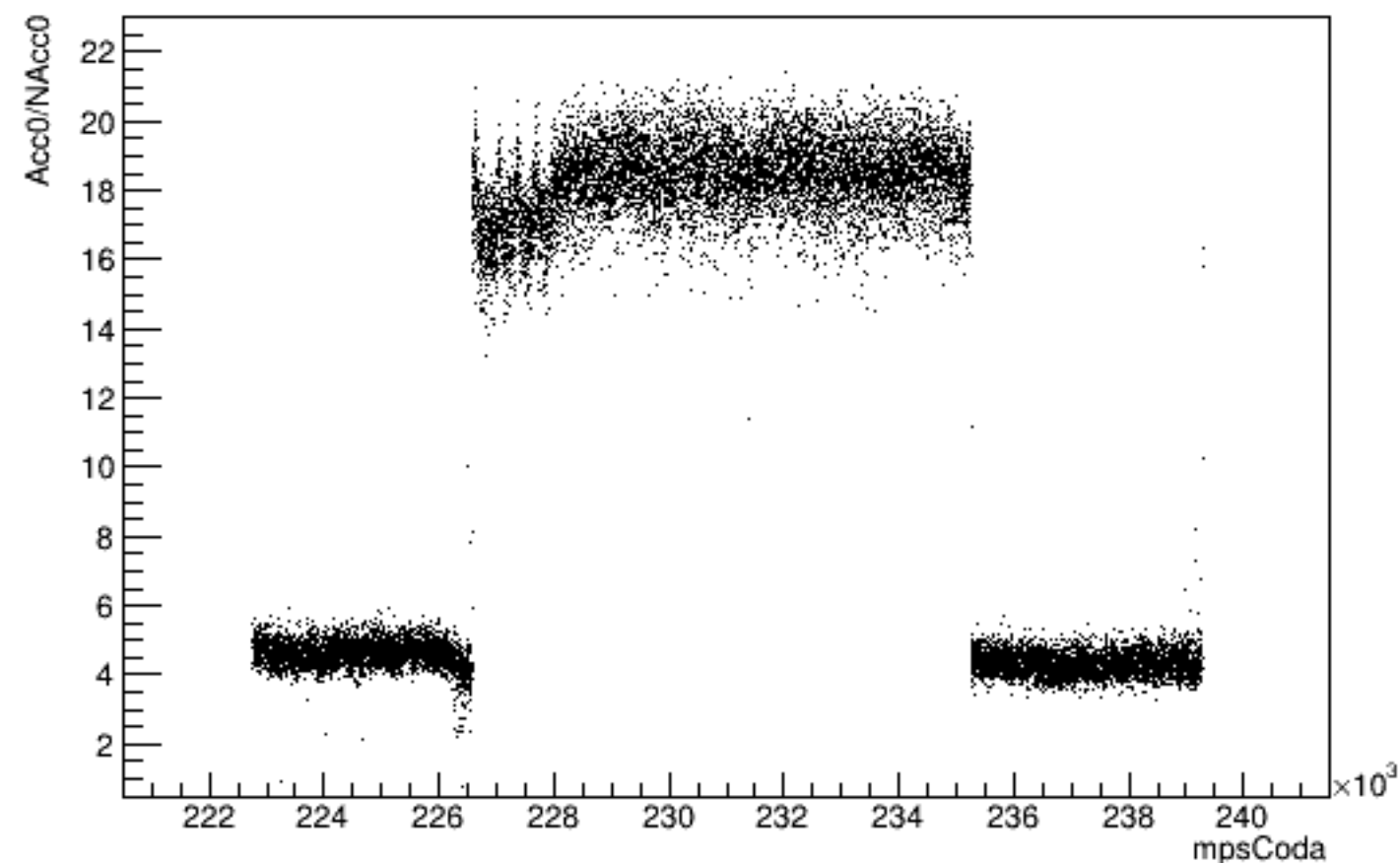
Cycle 9, Asyms

Entries: 926	Entries: 2170	Entries: 975
Mean: -0.0002 +/- 0.0004	Mean: 0.0315 +/- 0.0005	Mean: -0.0001 +/- 0.0004
Std Dev: 0.0129 +/- 0.0003	Std Dev: 0.0247 +/- 0.0004	Std Dev: 0.0123 +/- 0.0003

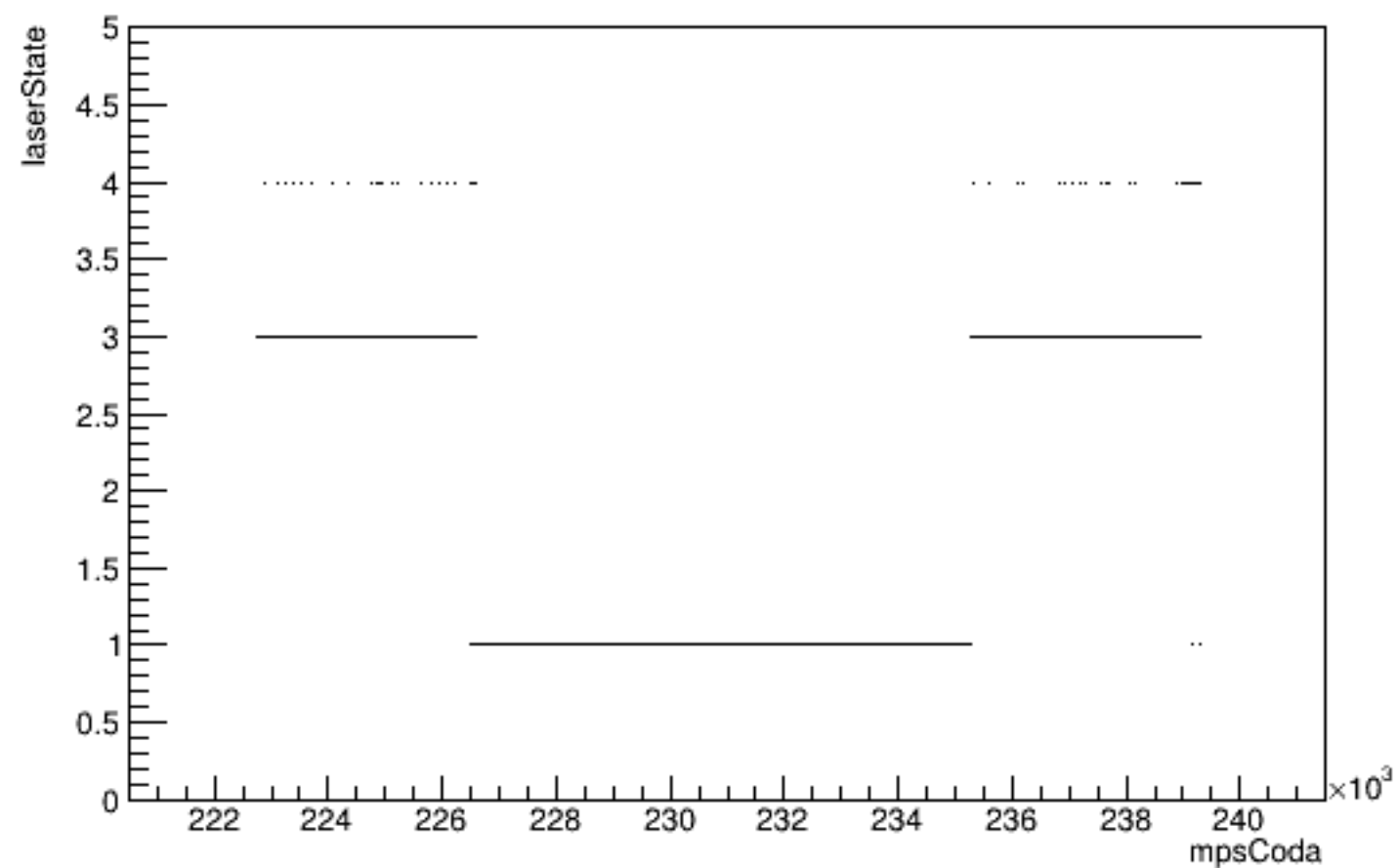
Run 5111 quartetwise, Asyms



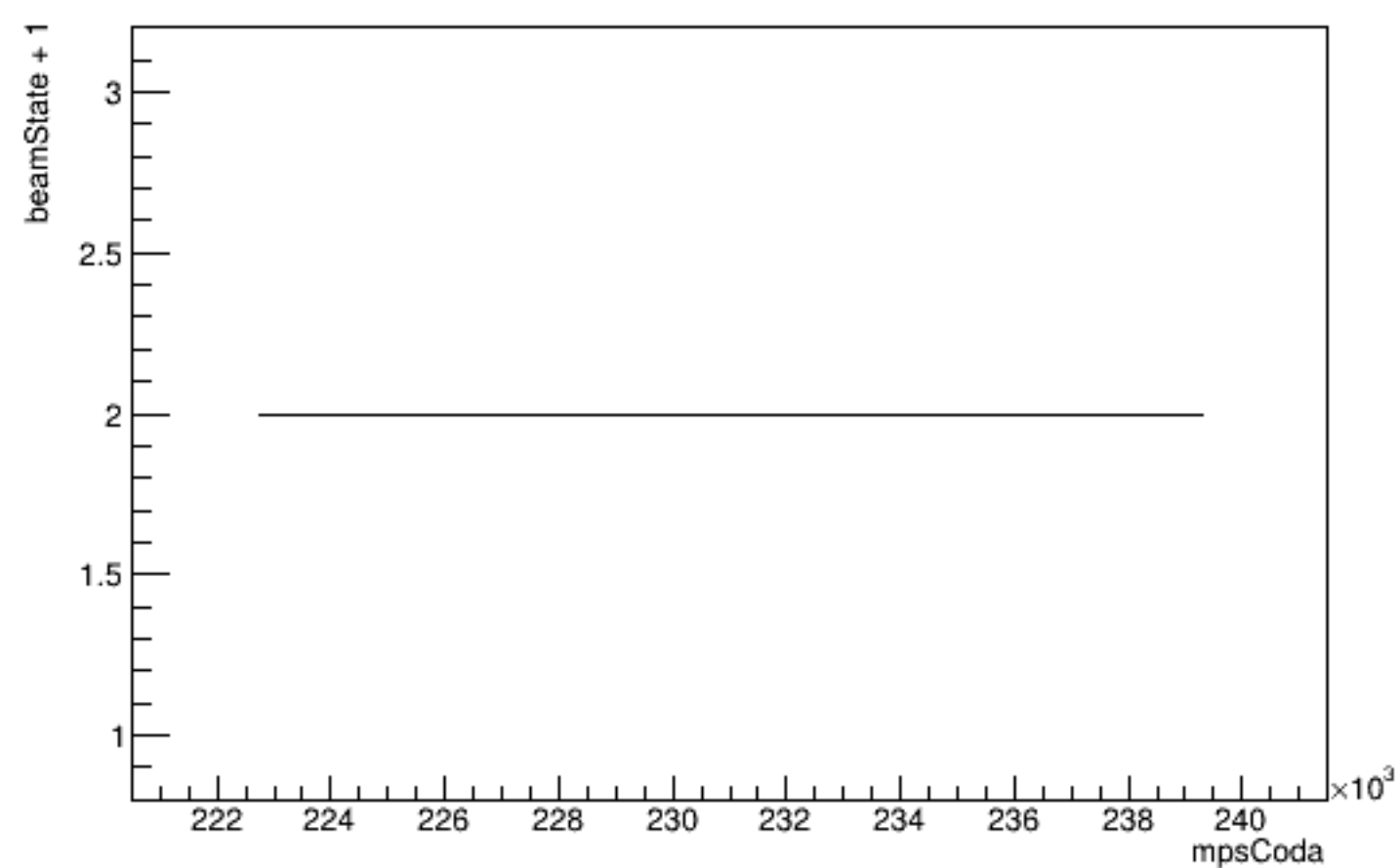
Acc0/NAcc0:mpsCoda (mpsCoda>=222762 && mpsCoda<=239281 && beamState==1)



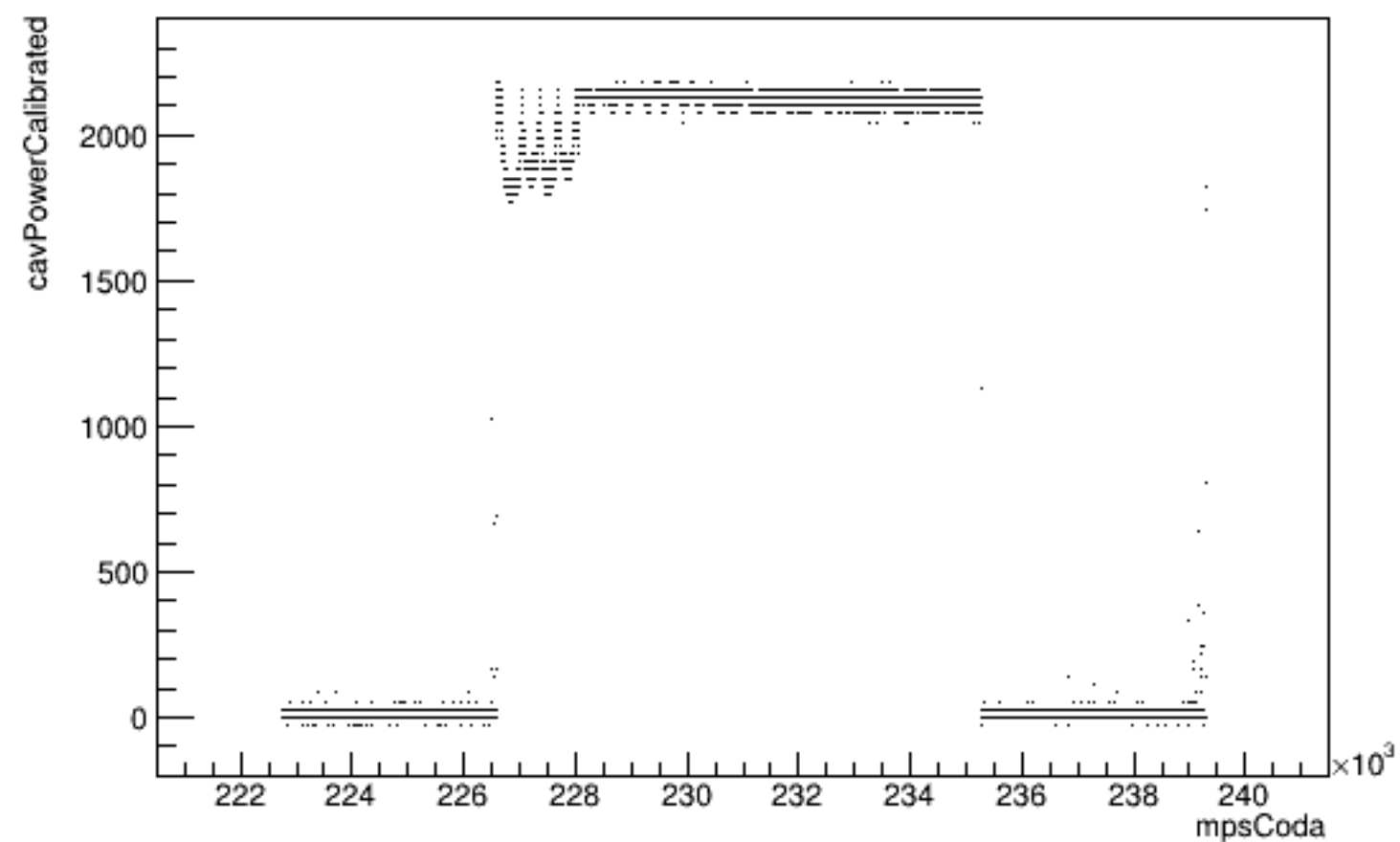
laserState:mpsCoda {mpsCoda>=222762 && mpsCoda<=239281}



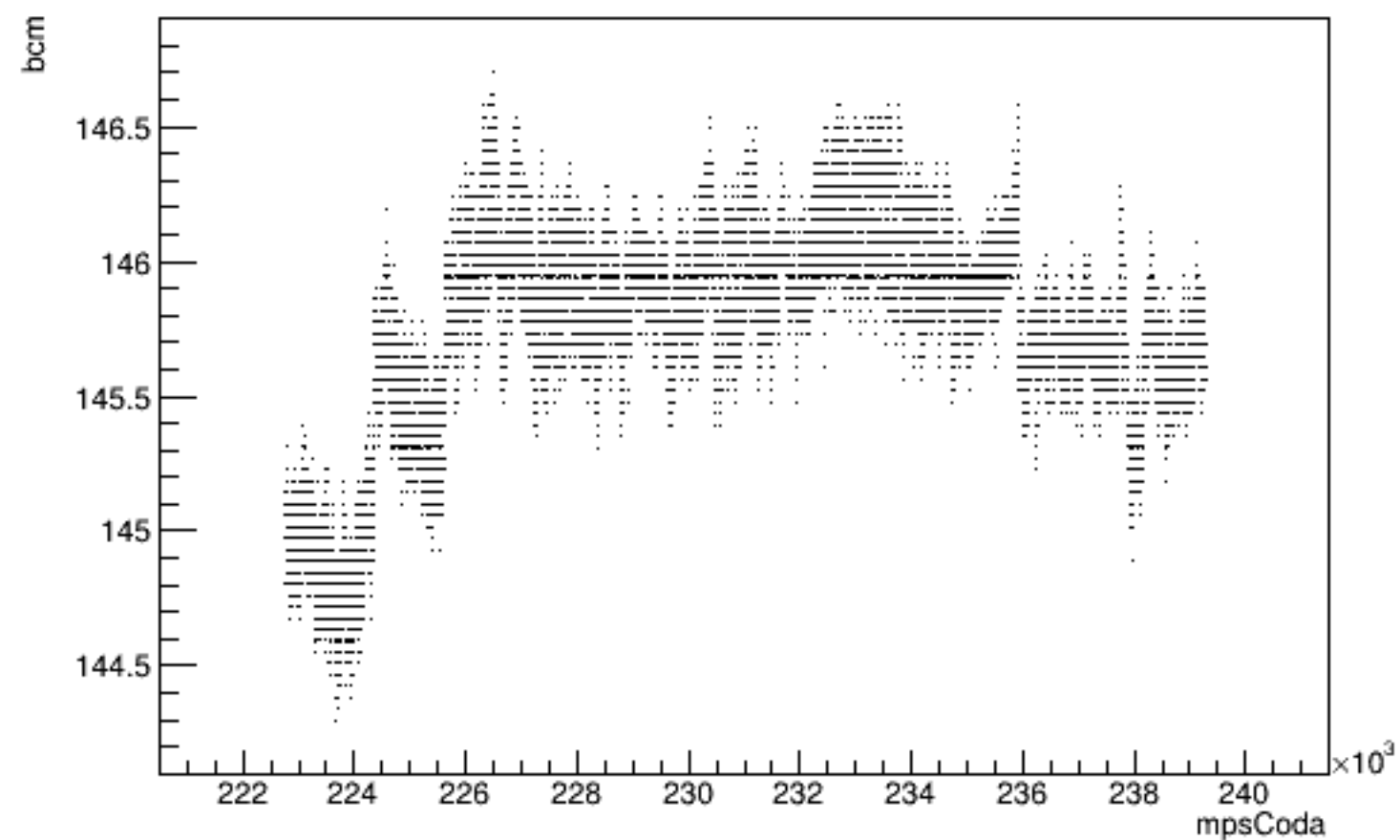
beamState + 1:mpsCoda {mpsCoda>=222762 && mpsCoda<=239281}



cavPowerCalibrated:mpsCoda {mpsCoda>=222762 && mpsCoda<=239281}



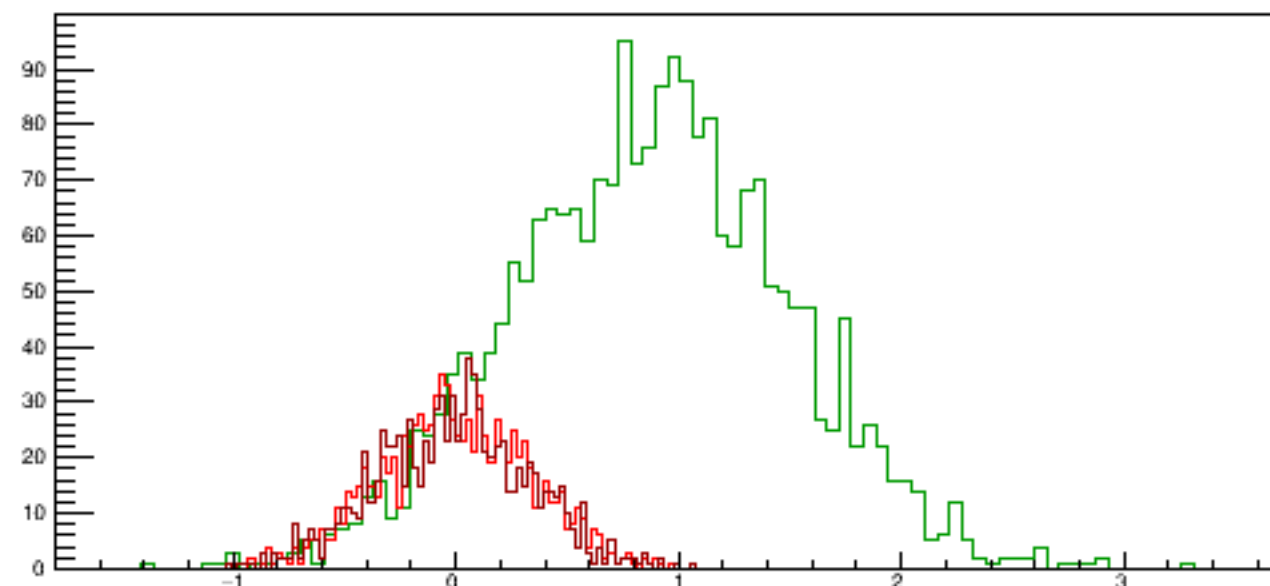
bcm:mpsCoda {mpsCoda>=222762 && mpsCoda<=239281}



Cycle 10, Diffs

Entries: 975	Entries: 2300	Entries: 947
Mean: -0.0023 +/- 0.0108	Mean: 0.8708 +/- 0.0130	Mean: -0.0132 +/- 0.0111
Std Dev: 0.3387 +/- 0.0077	Std Dev: 0.6228 +/- 0.0092	Std Dev: 0.3431 +/- 0.0079

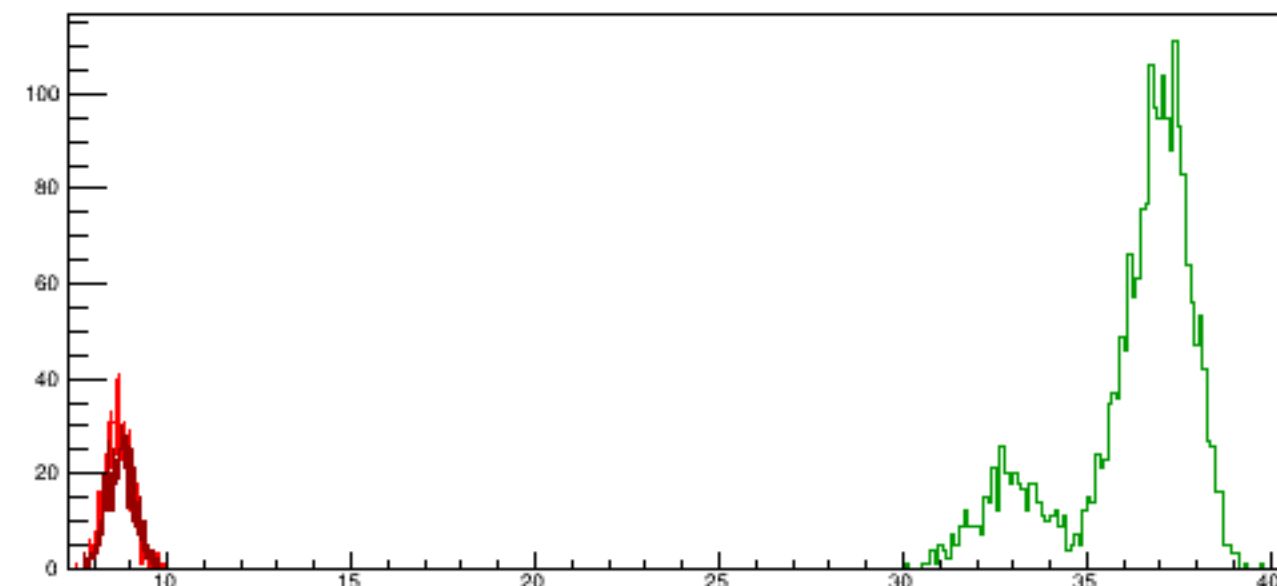
Run 5111 quartetwise, Diffs



Cycle 10, Sums

Entries: 975	Entries: 2300	Entries: 947
Mean: 8.6598 +/- 0.0112	Mean: 36.2444 +/- 0.0368	Mean: 8.7441 +/- 0.0119
Std Dev: 0.3485 +/- 0.0079	Std Dev: 1.7660 +/- 0.0260	Std Dev: 0.3674 +/- 0.0084

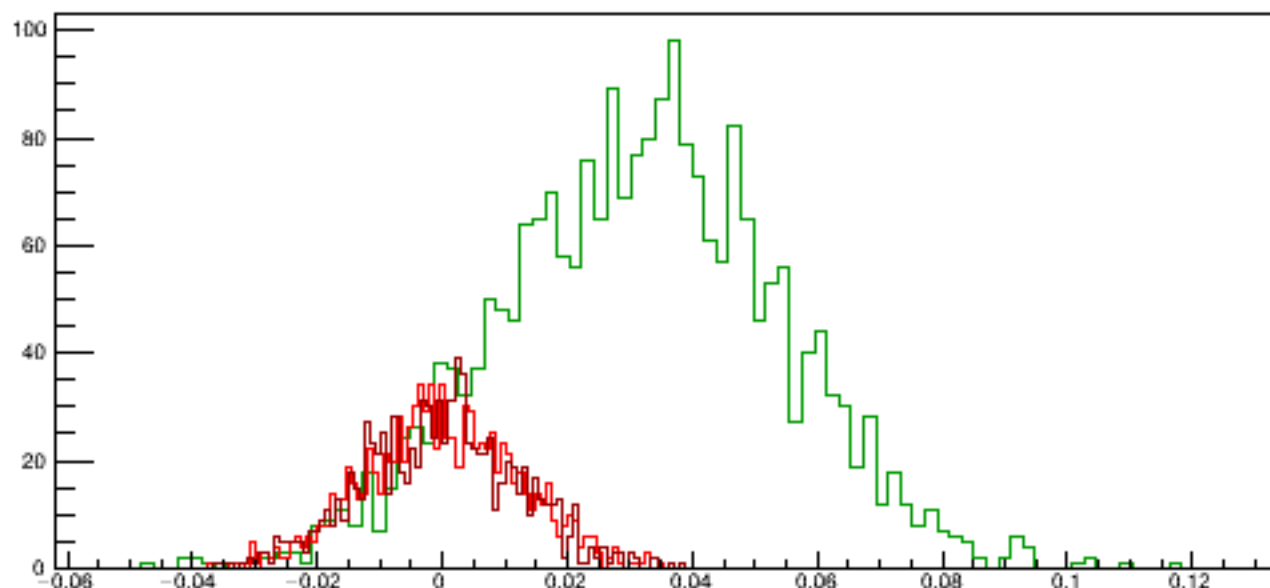
Run 5111 quartetwise, Sums



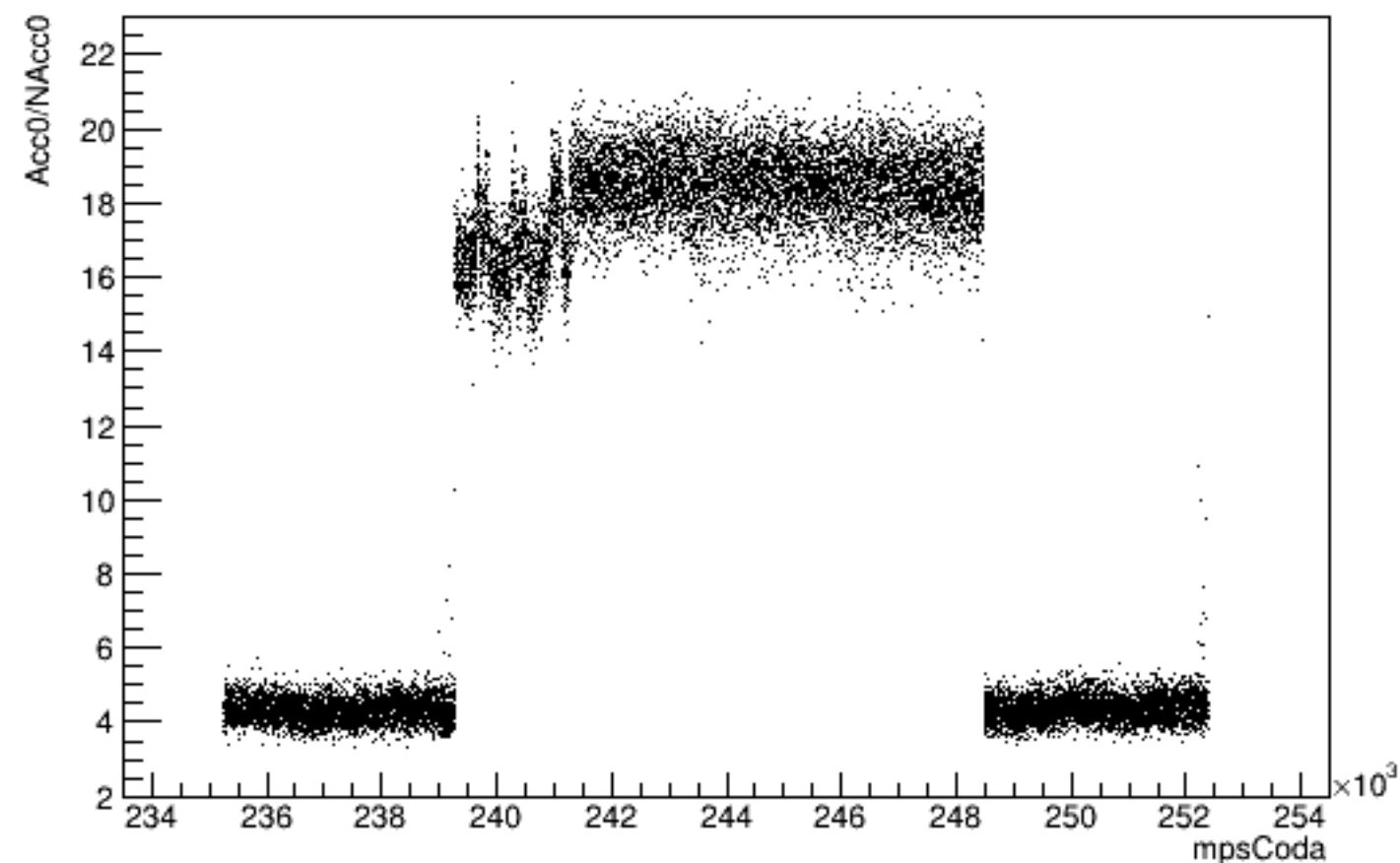
Cycle 10, Asyms

Entries: 975	Entries: 2300	Entries: 947
Mean: -0.0001 +/- 0.0004	Mean: 0.0316 +/- 0.0005	Mean: -0.0005 +/- 0.0004
Std Dev: 0.0123 +/- 0.0003	Std Dev: 0.0226 +/- 0.0003	Std Dev: 0.0125 +/- 0.0003

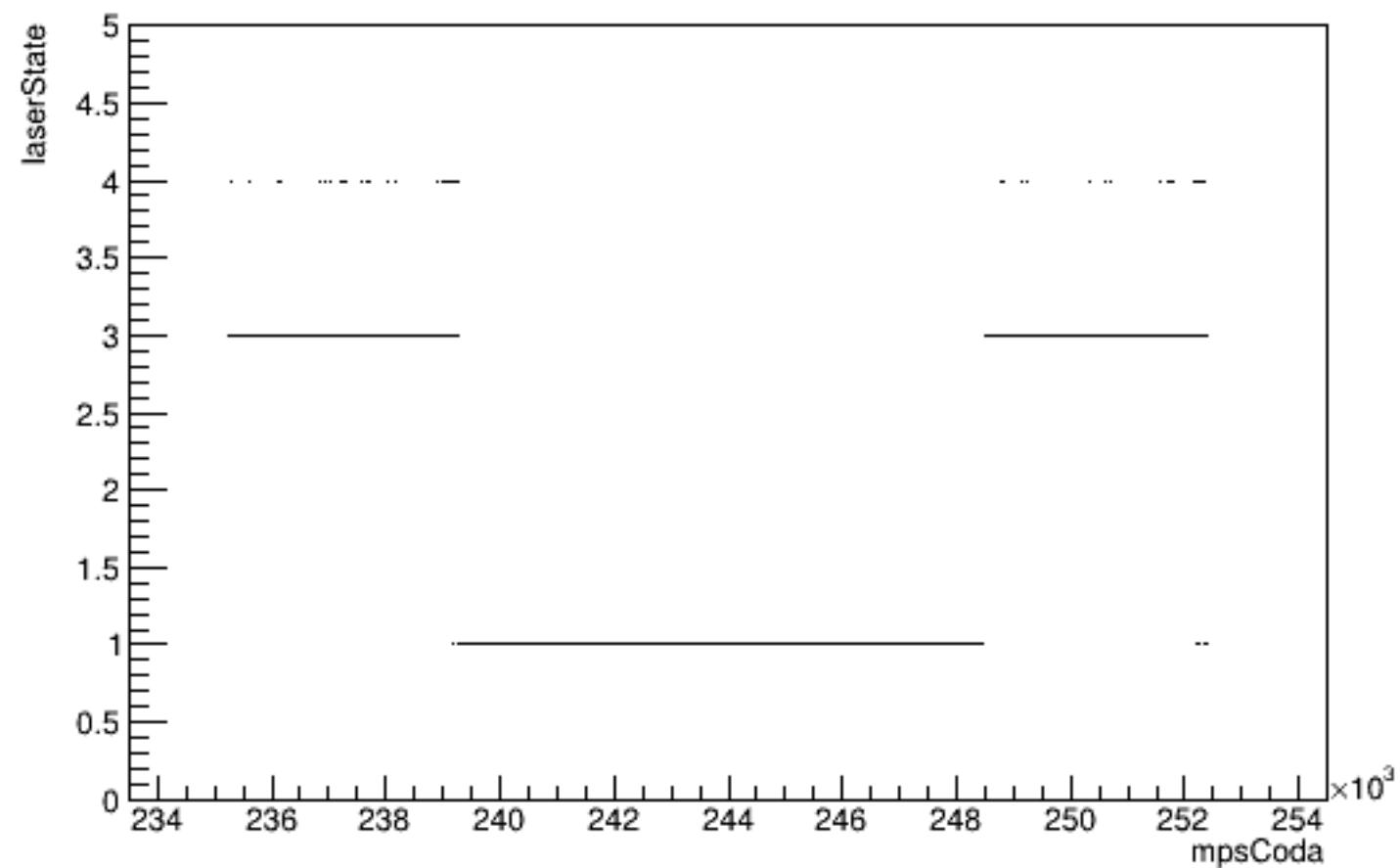
Run 5111 quartetwise, Asyms



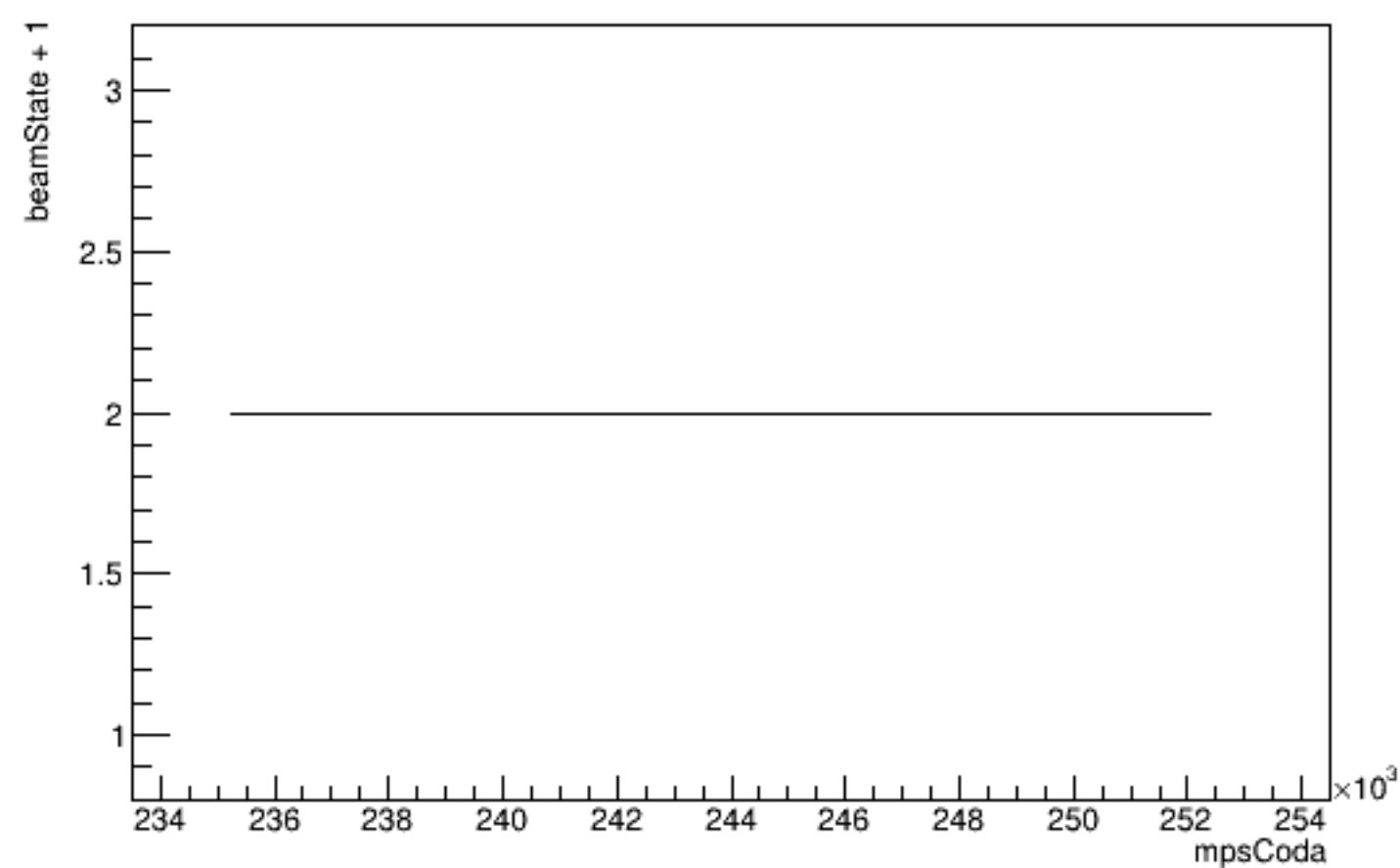
Acc0/NAcc0:mpsCoda (mpsCoda>=235258 && mpsCoda<=252377 && beamState==1)



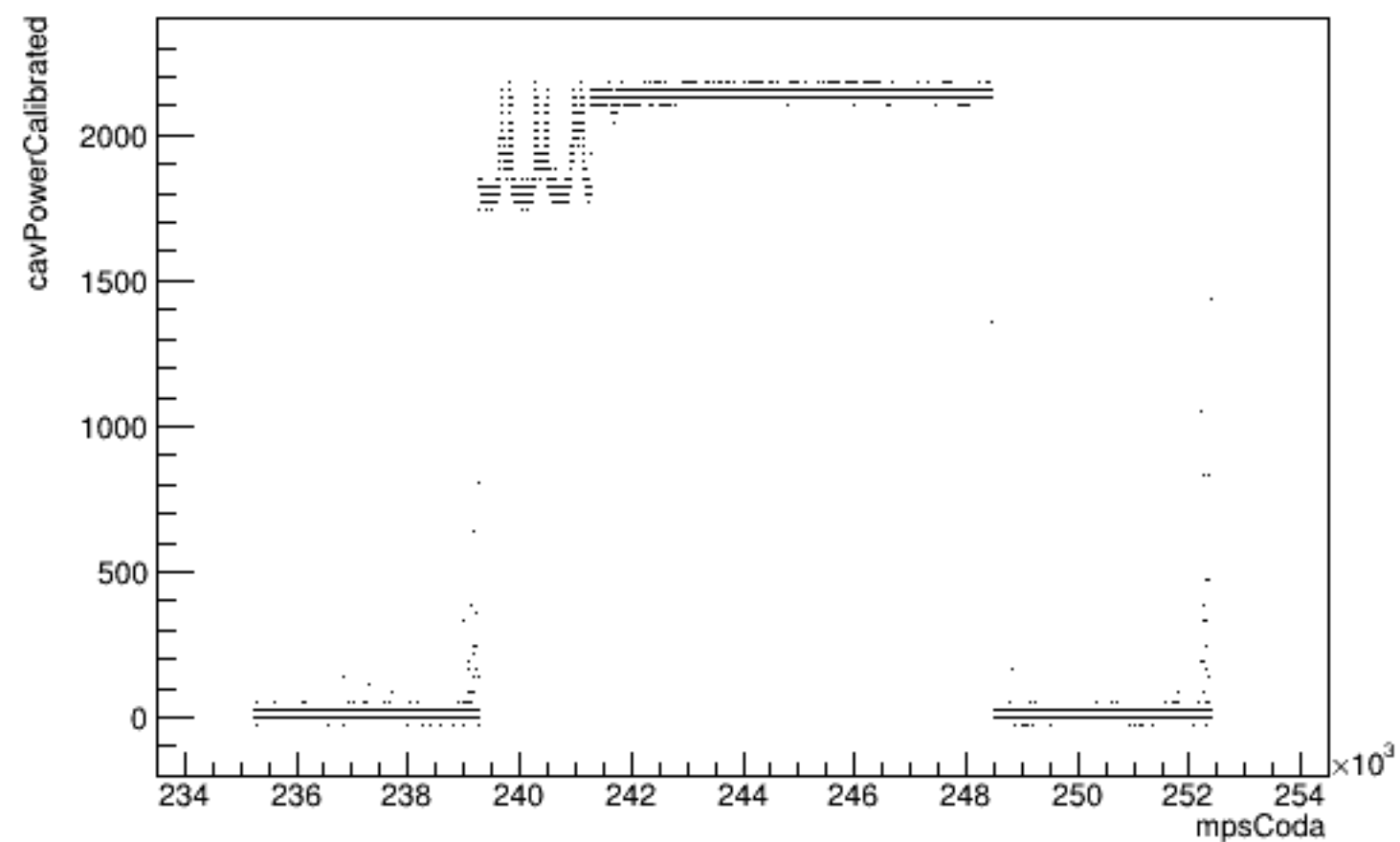
laserState:mpsCoda {mpsCoda>=235258 && mpsCoda<=252377}



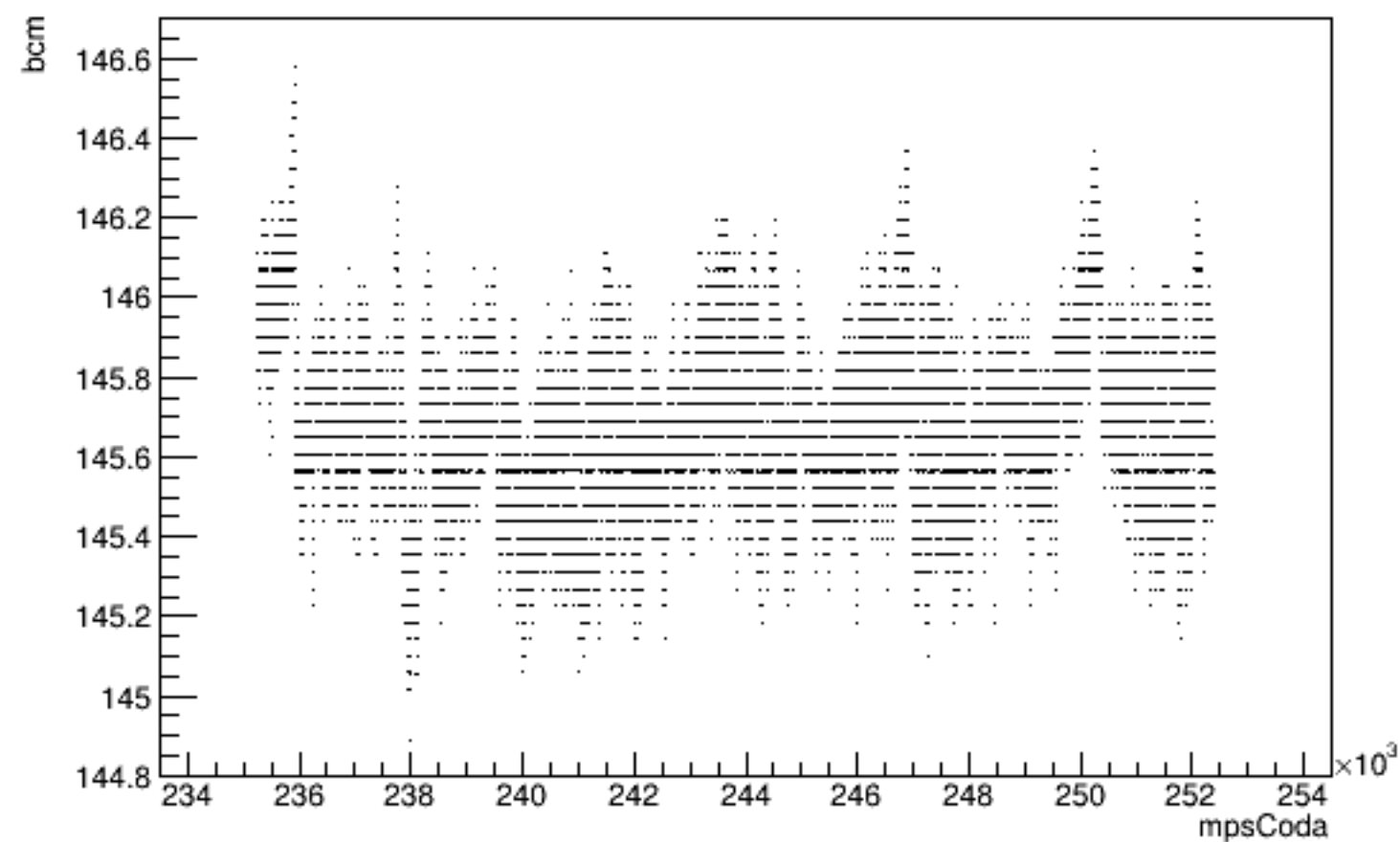
beamState + 1:mpsCoda {mpsCoda>=235258 && mpsCoda<=252377}



cavPowerCalibrated:mpsCoda {mpsCoda>=235258 && mpsCoda<=252377}



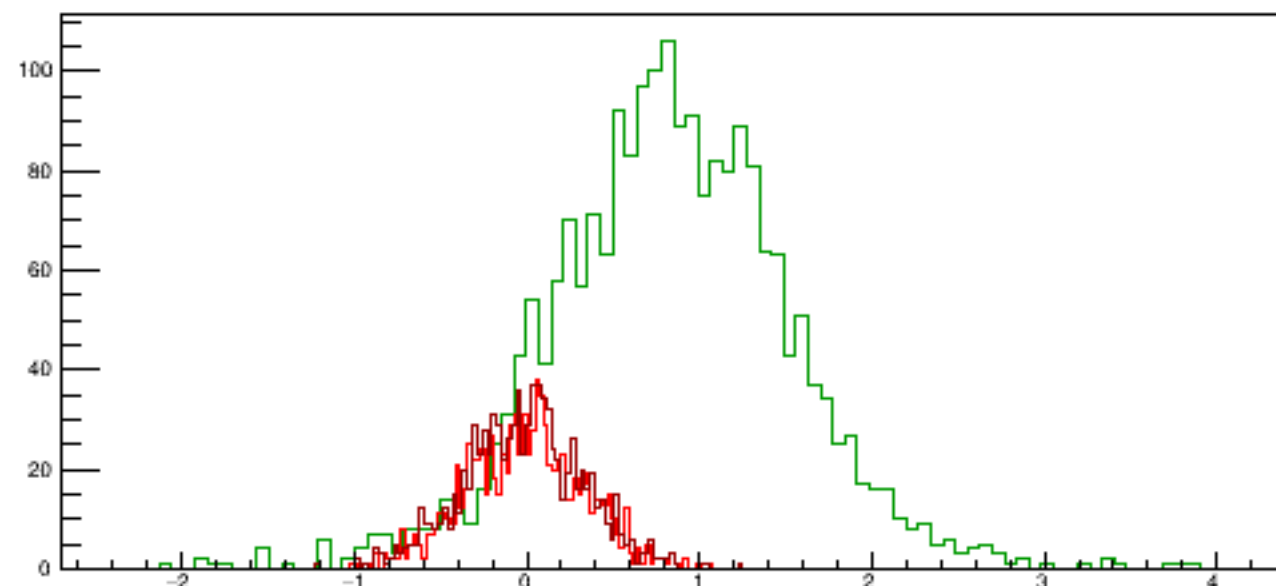
bcm:mpsCoda {mpsCoda>=235258 && mpsCoda<=252377}



Cycle 11, Diffs

Entries: 947	Entries: 2151	Entries: 909
Mean: -0.0132 +/- 0.0111	Mean: 0.8337 +/- 0.0150	Mean: -0.0217 +/- 0.0114
Std Dev: 0.3431 +/- 0.0079	Std Dev: 0.6967 +/- 0.0106	Std Dev: 0.3452 +/- 0.0081

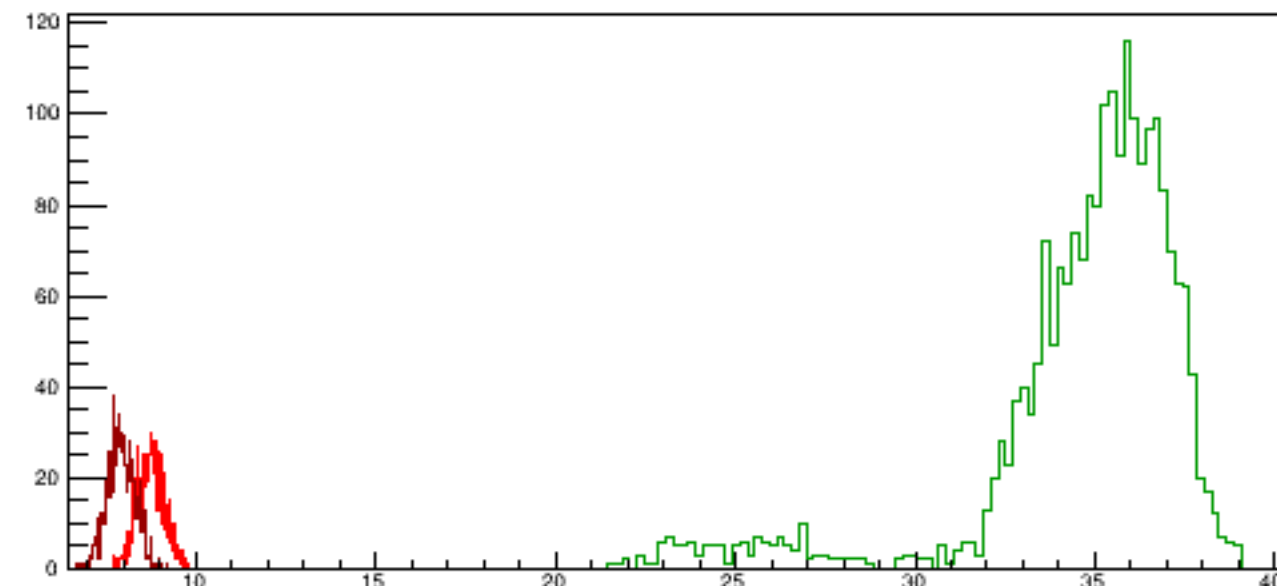
Run 5111 quartetwise, Diffs



Cycle 11, Sums

Entries: 947	Entries: 2151	Entries: 909
Mean: 8.7441 +/- 0.0119	Mean: 34.7291 +/- 0.0633	Mean: 7.9247 +/- 0.0125
Std Dev: 0.3674 +/- 0.0084	Std Dev: 2.9357 +/- 0.0448	Std Dev: 0.3761 +/- 0.0088

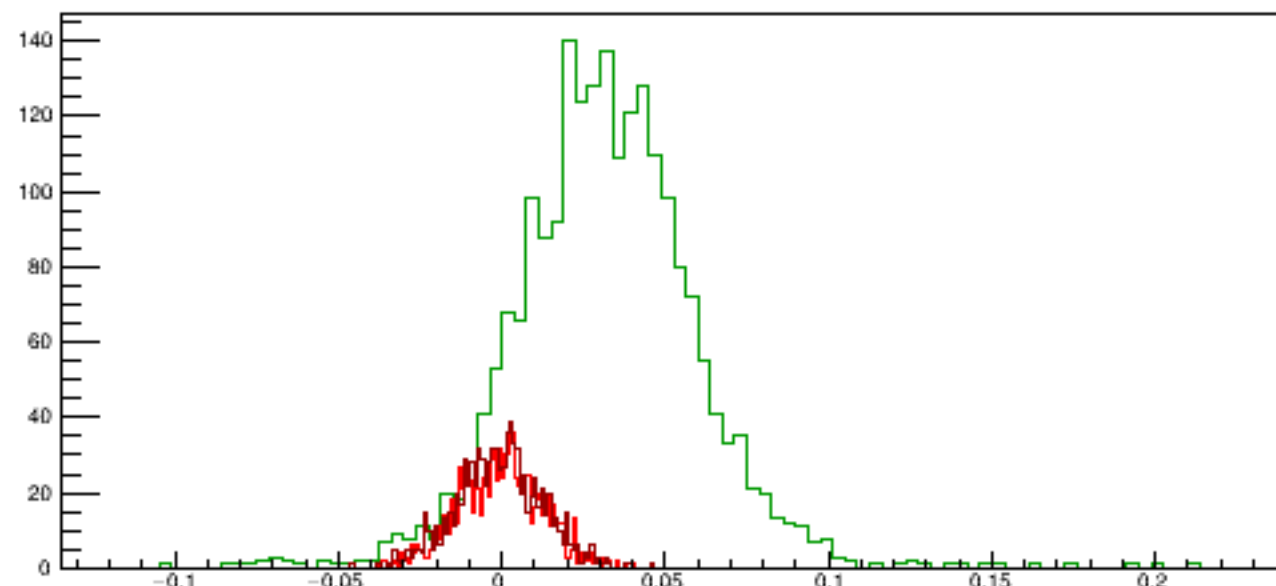
Run 5111 quartetwise, Sums



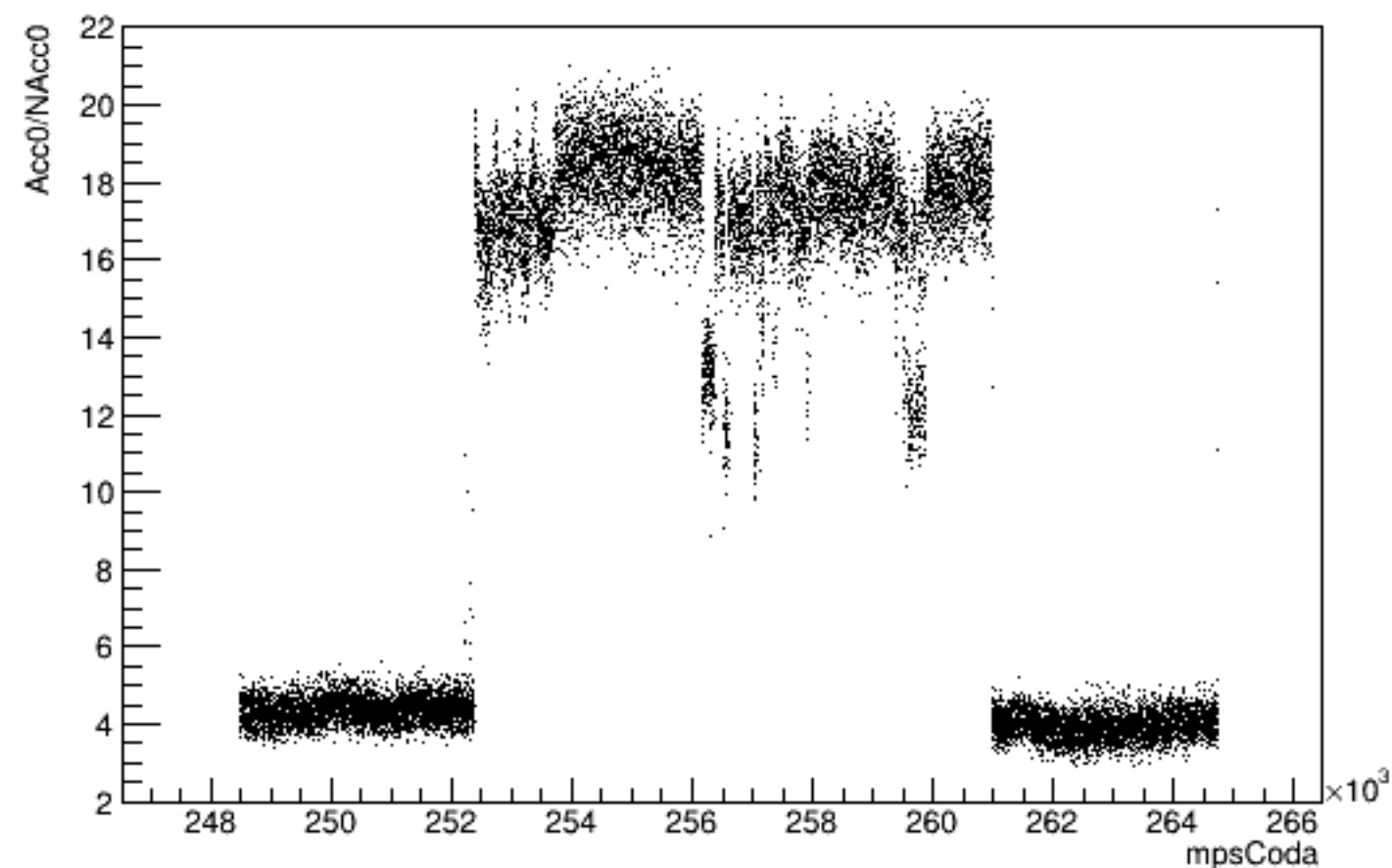
Cycle 11, Asyms

Entries: 947	Entries: 2151	Entries: 909
Mean: -0.0005 +/- 0.0004	Mean: 0.0319 +/- 0.0006	Mean: -0.0008 +/- 0.0004
Std Dev: 0.0130 +/- 0.0003	Std Dev: 0.0281 +/- 0.0004	Std Dev: 0.0131 +/- 0.0003

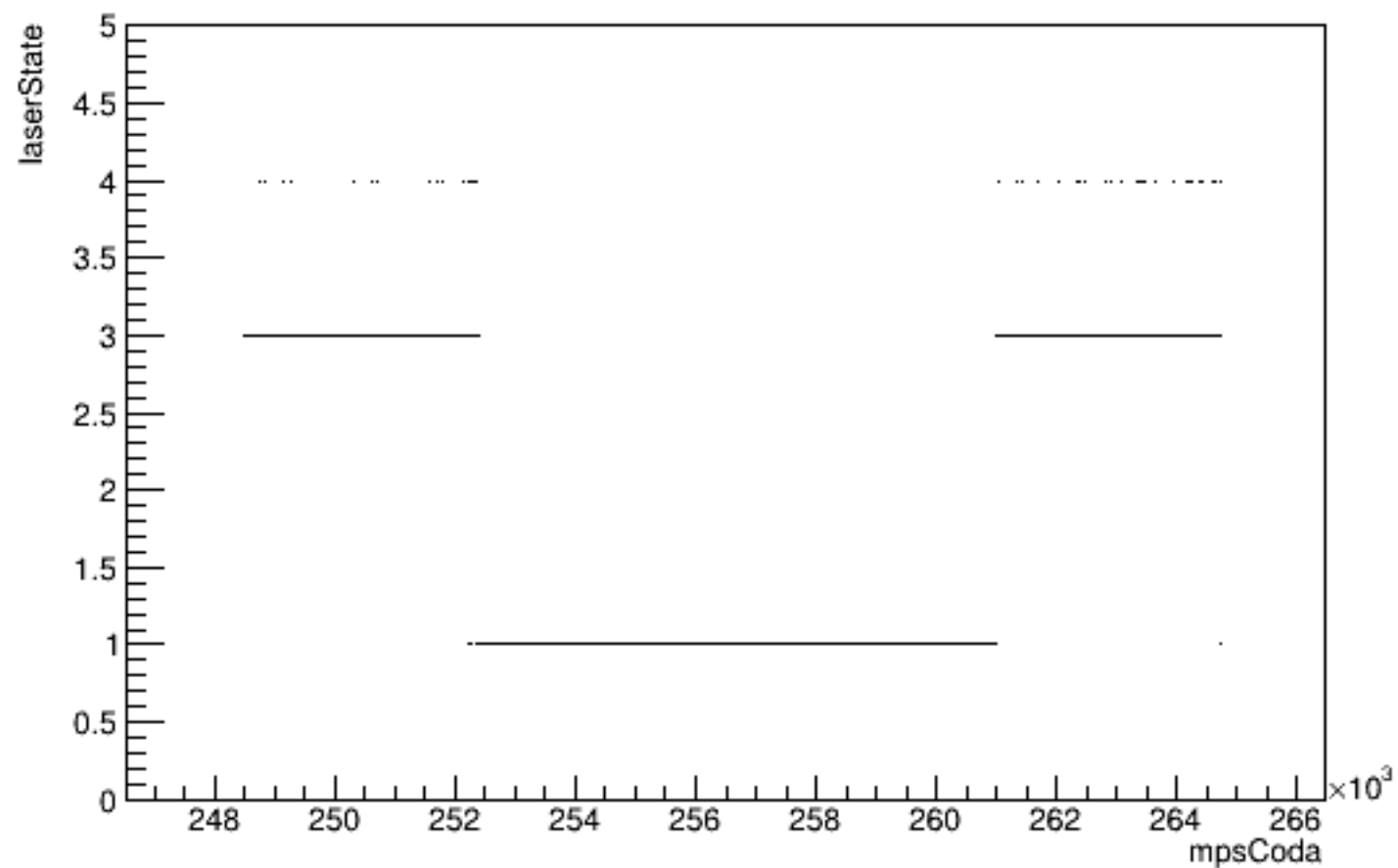
Run 5111 quartetwise, Asyms



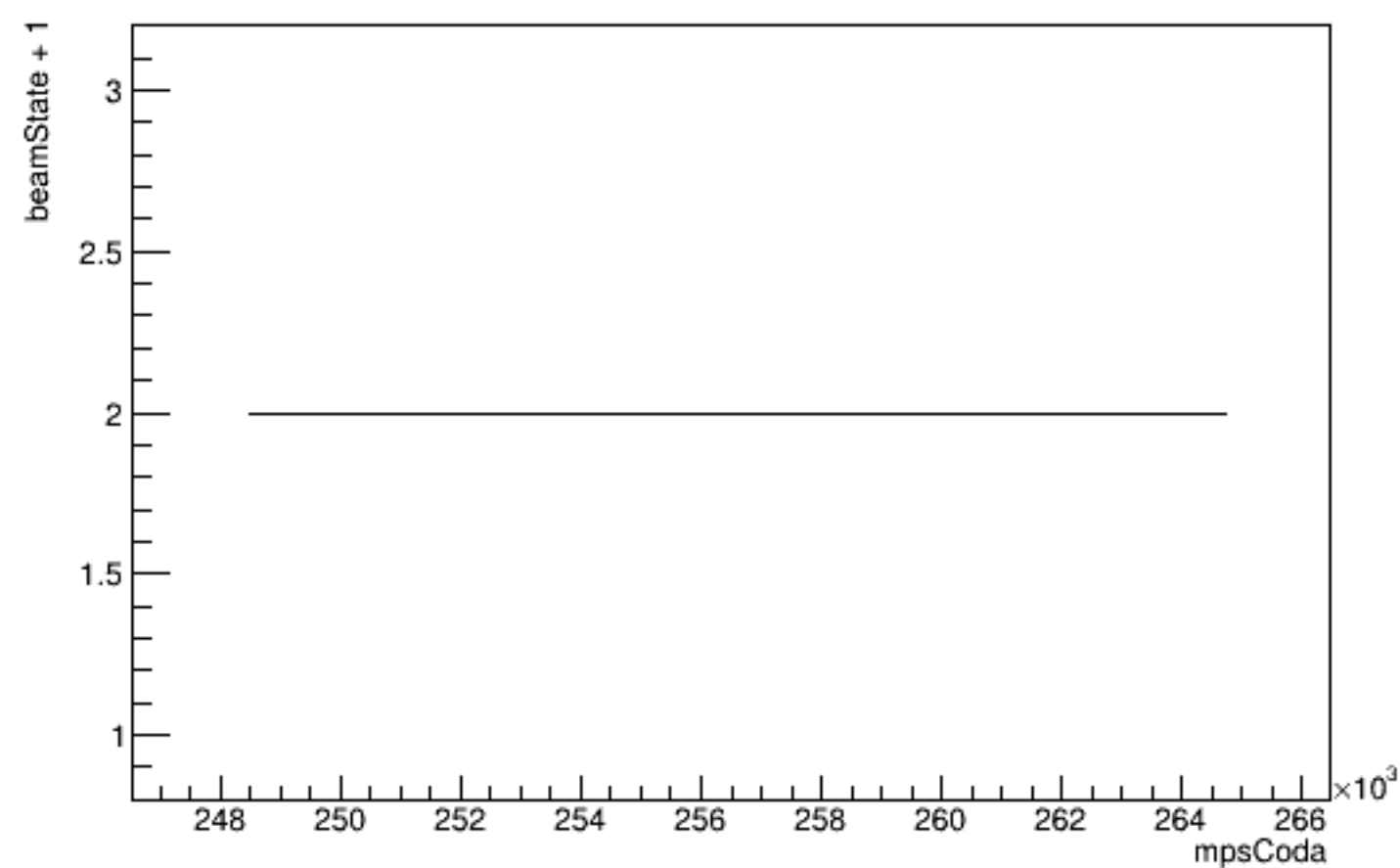
Acc0/NAcc0:mpsCoda (mpsCoda>=248482 && mpsCoda<=264737 && beamState==1)



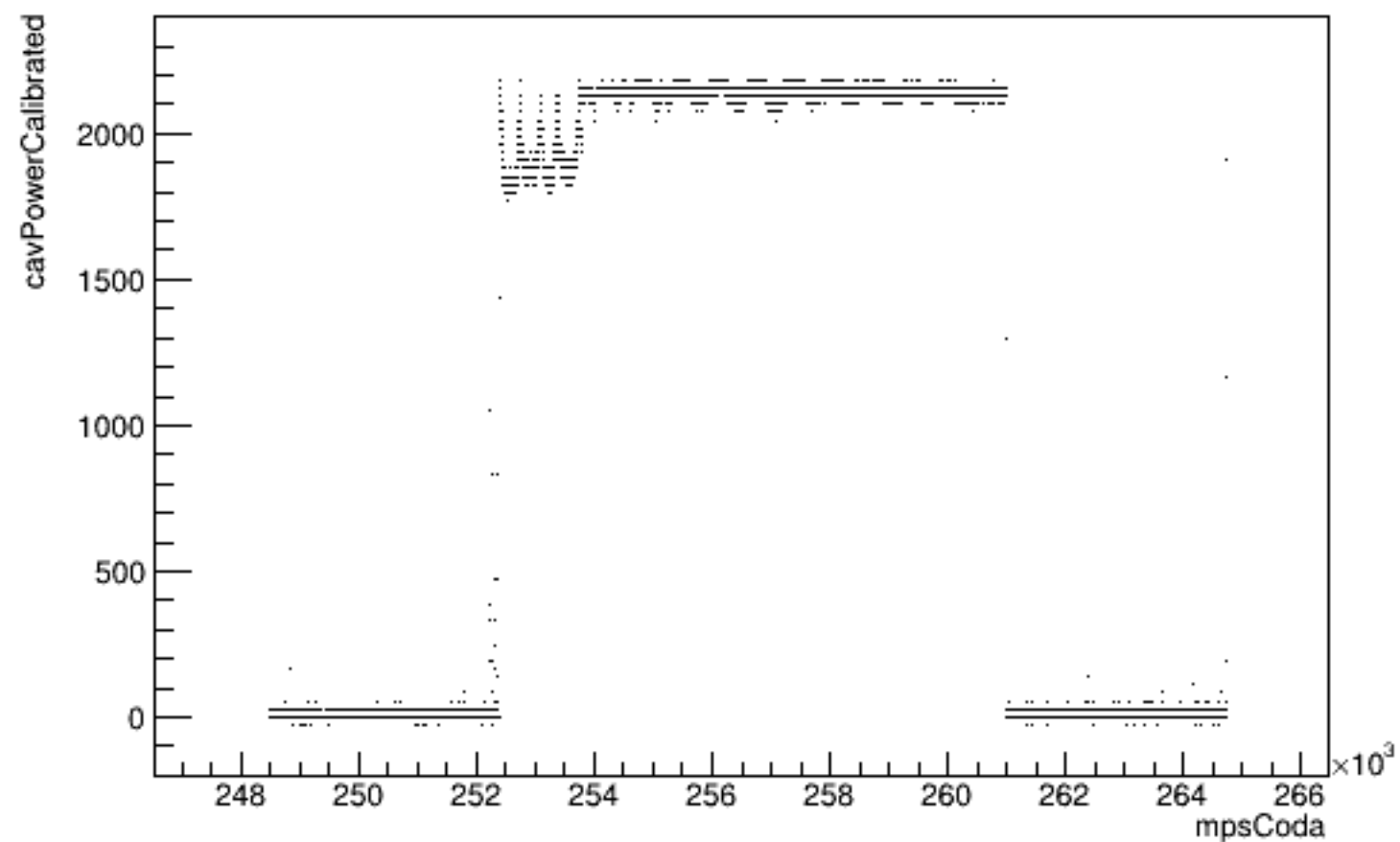
laserState:mpsCoda {mpsCoda>=248482 && mpsCoda<=264737}



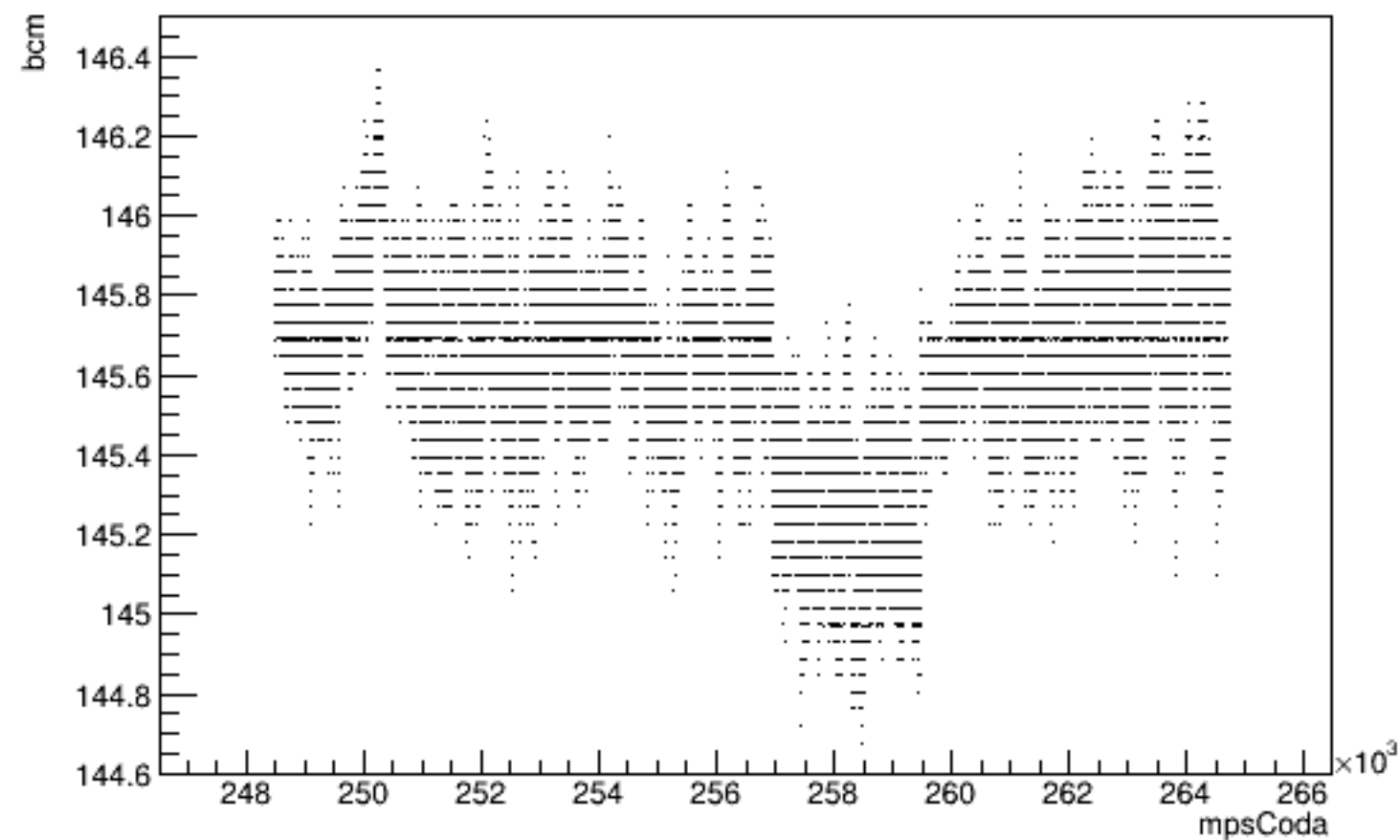
beamState + 1:mpsCoda {mpsCoda>=248482 && mpsCoda<=264737}



cavPowerCalibrated:mpsCoda {mpsCoda>=248482 && mpsCoda<=264737}



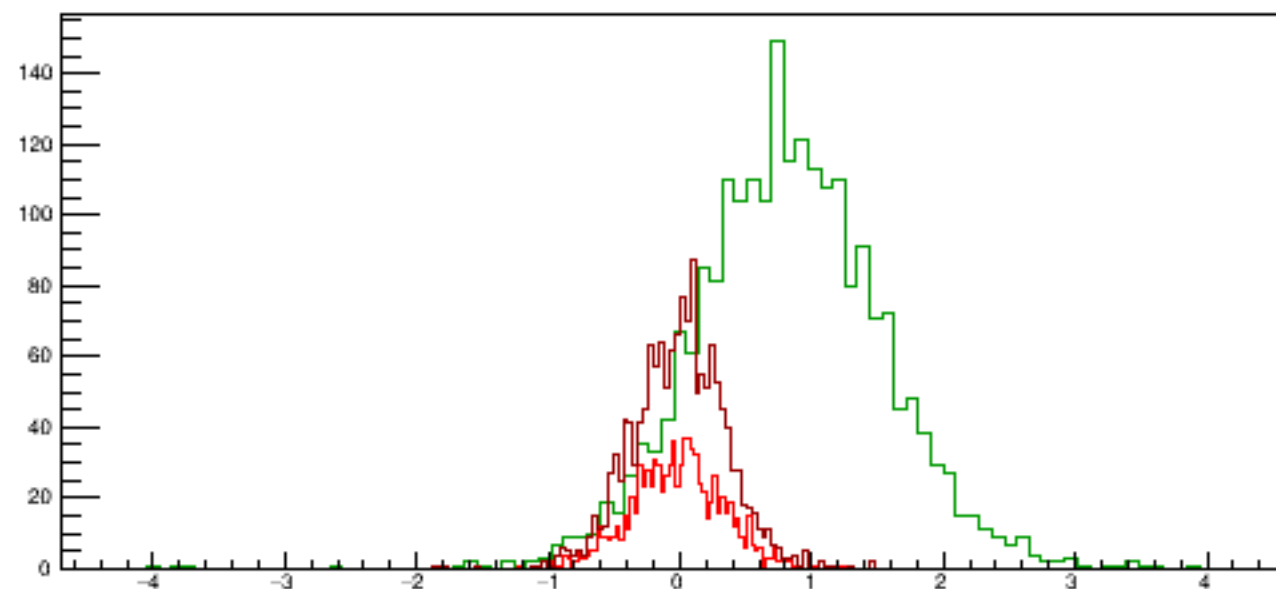
bcm:mpsCoda {mpsCoda>=248482 && mpsCoda<=264737}



Cycle 12, Diffs

Entries: 909	Entries: 2246	Entries: 1495
Mean: -0.0217 +/- 0.0114	Mean: 0.8210 +/- 0.0155	Mean: -0.0105 +/- 0.0094
Std Dev: 0.3452 +/- 0.0081	Std Dev: 0.7350 +/- 0.0110	Std Dev: 0.3637 +/- 0.0067

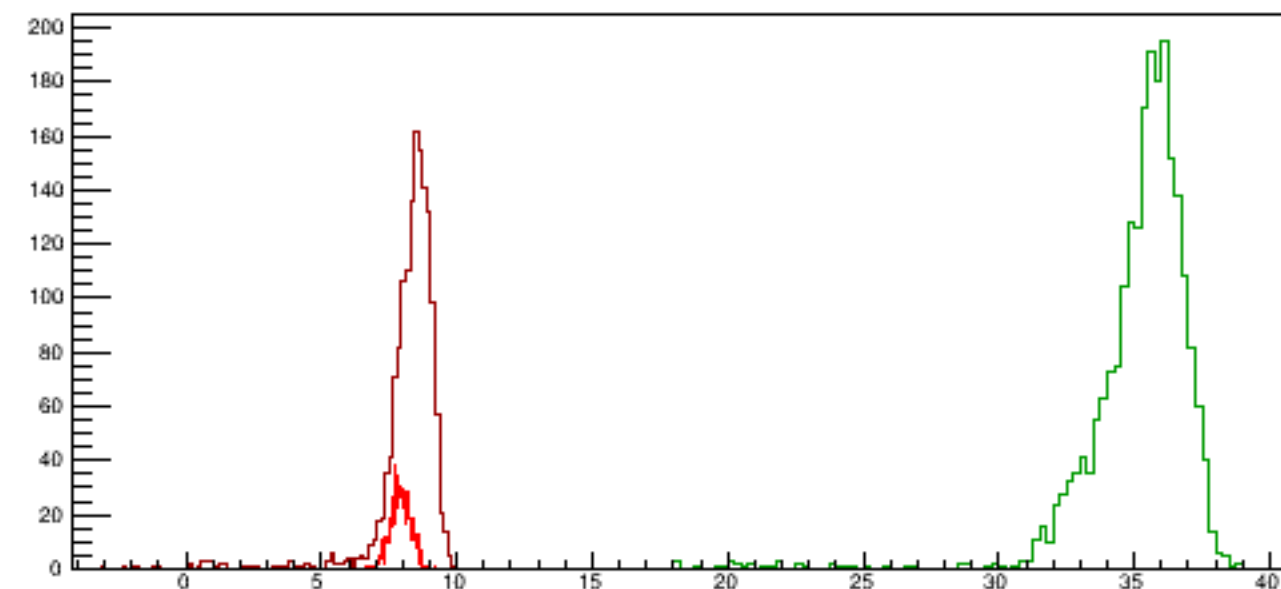
Run 5111 quartetwise, Diffs



Cycle 12, Sums

Entries: 909	Entries: 2246	Entries: 1495
Mean: 7.9247 +/- 0.0125	Mean: 35.1693 +/- 0.0451	Mean: 8.2211 +/- 0.0330
Std Dev: 0.3761 +/- 0.0088	Std Dev: 2.1383 +/- 0.0319	Std Dev: 1.2758 +/- 0.0233

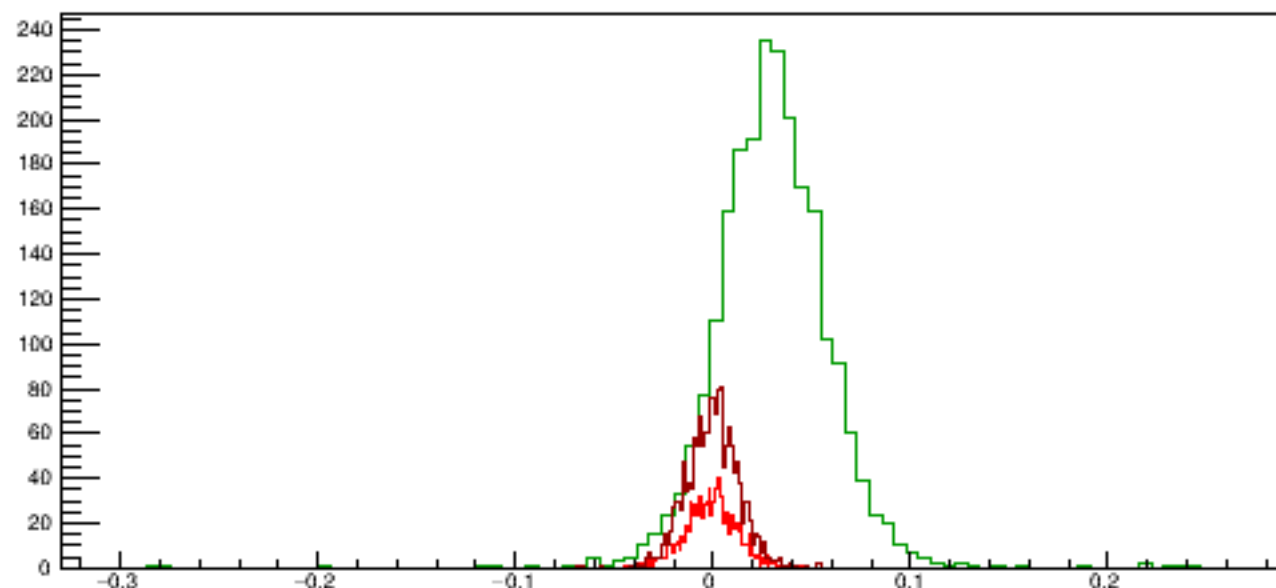
Run 5111 quartetwise, Sums



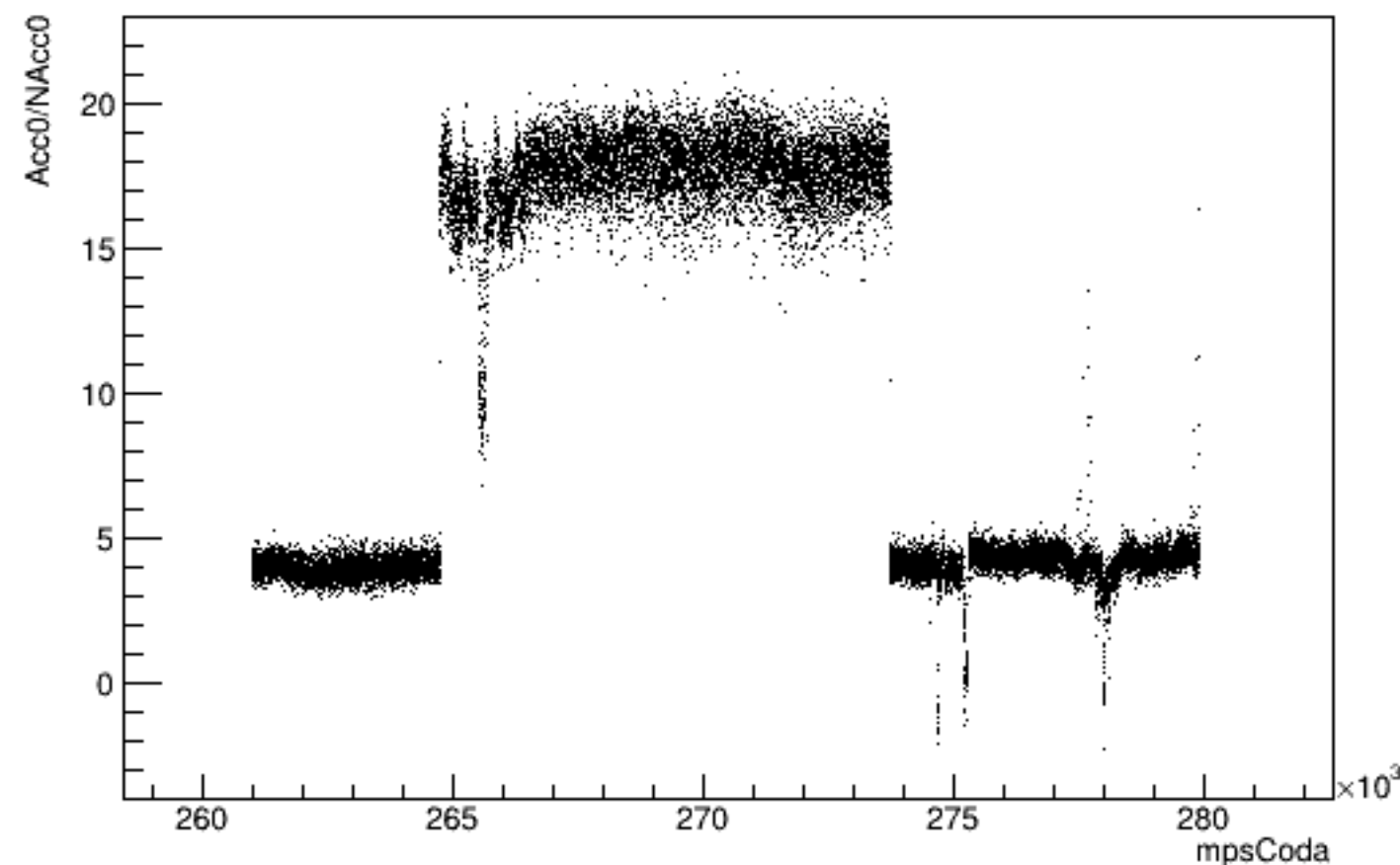
Cycle 12, Asyms

Entries: 909	Entries: 2246	Entries: 1495
Mean: -0.0008 +/- 0.0004	Mean: 0.0303 +/- 0.0006	Mean: -0.0004 +/- 0.0003
Std Dev: 0.0127 +/- 0.0003	Std Dev: 0.0304 +/- 0.0005	Std Dev: 0.0134 +/- 0.0002

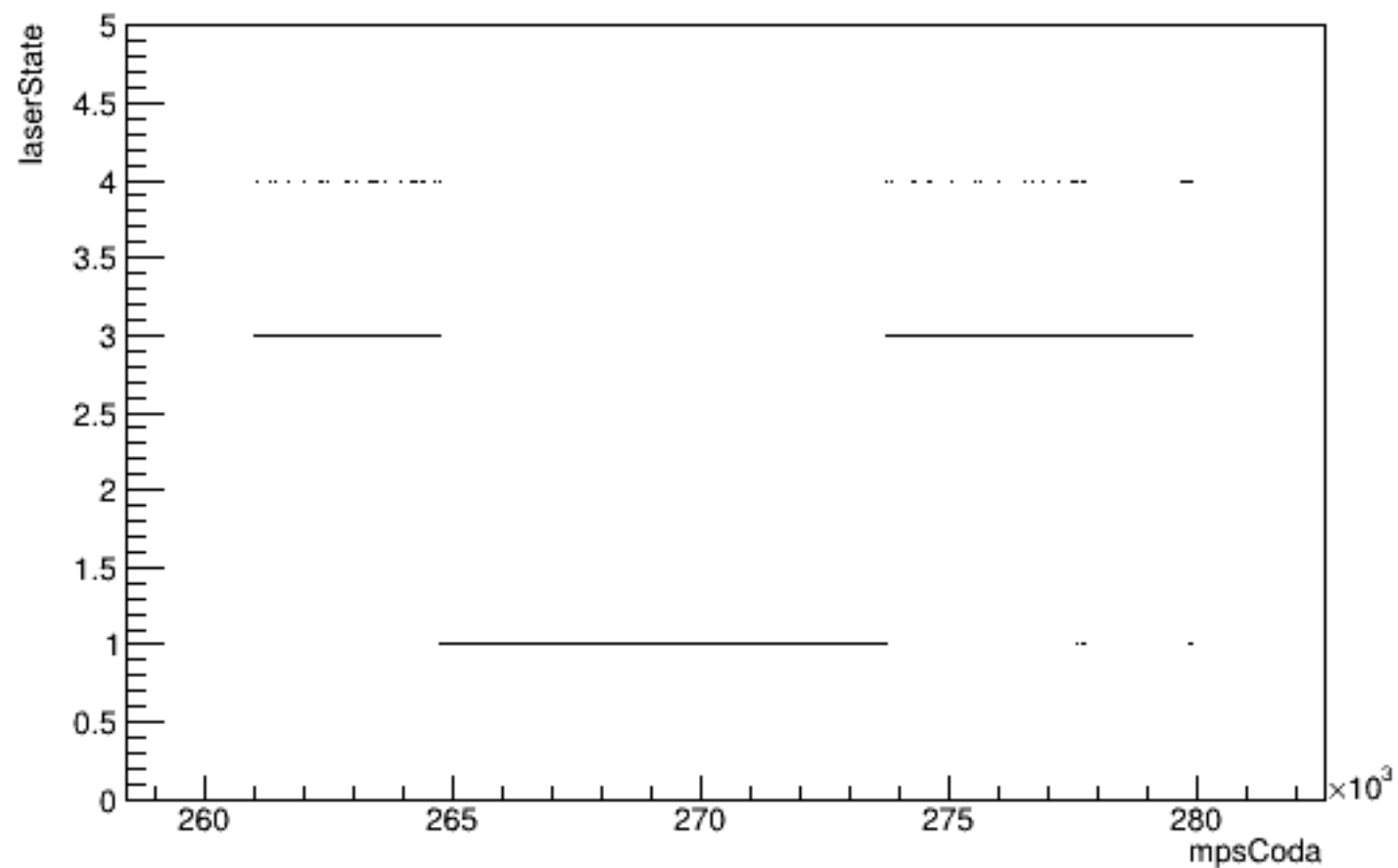
Run 5111 quartetwise, Asyms



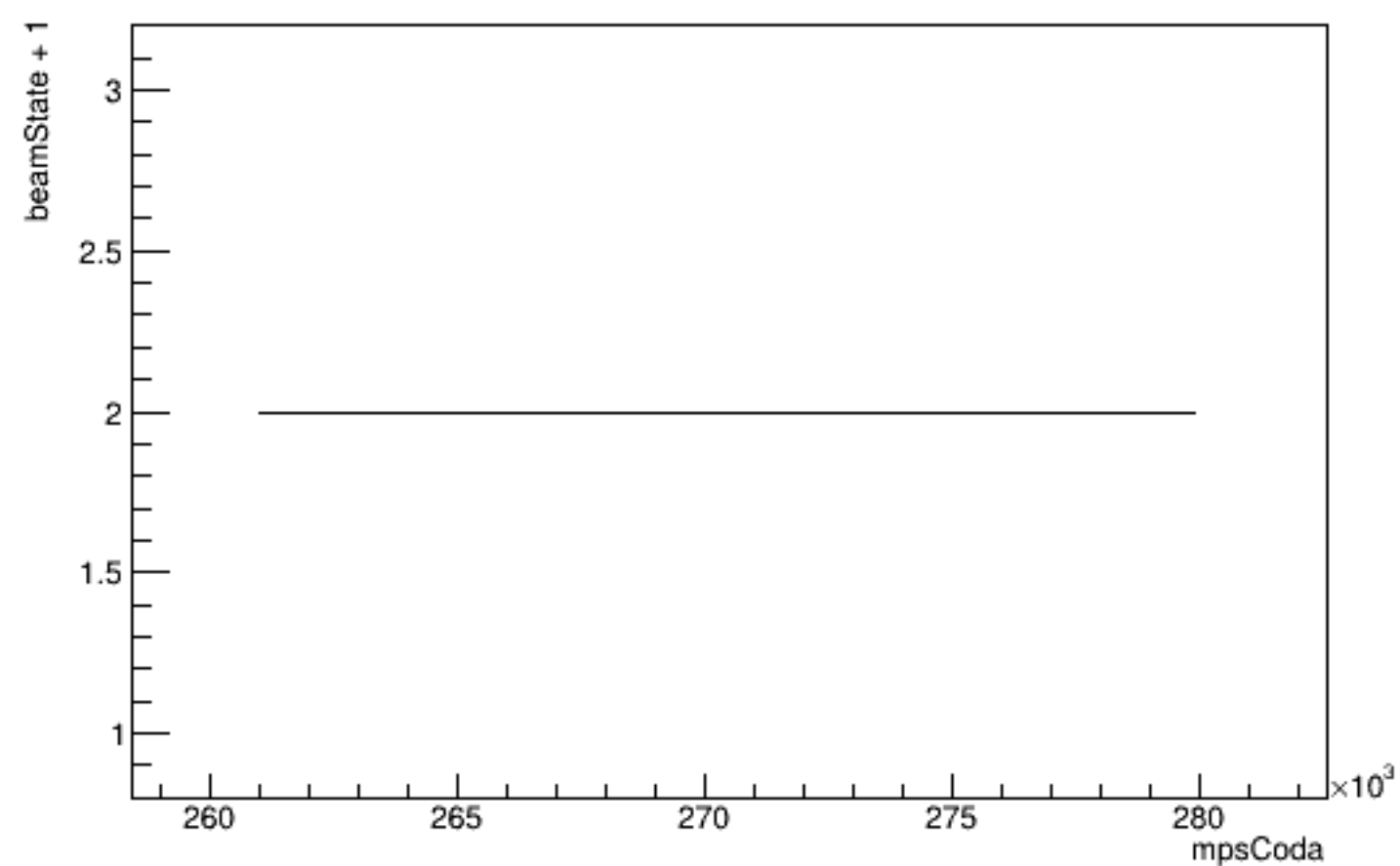
Acc0/NAcc0:mpsCoda (mpsCoda>=260986 && mpsCoda<=279889 && beamState==1)



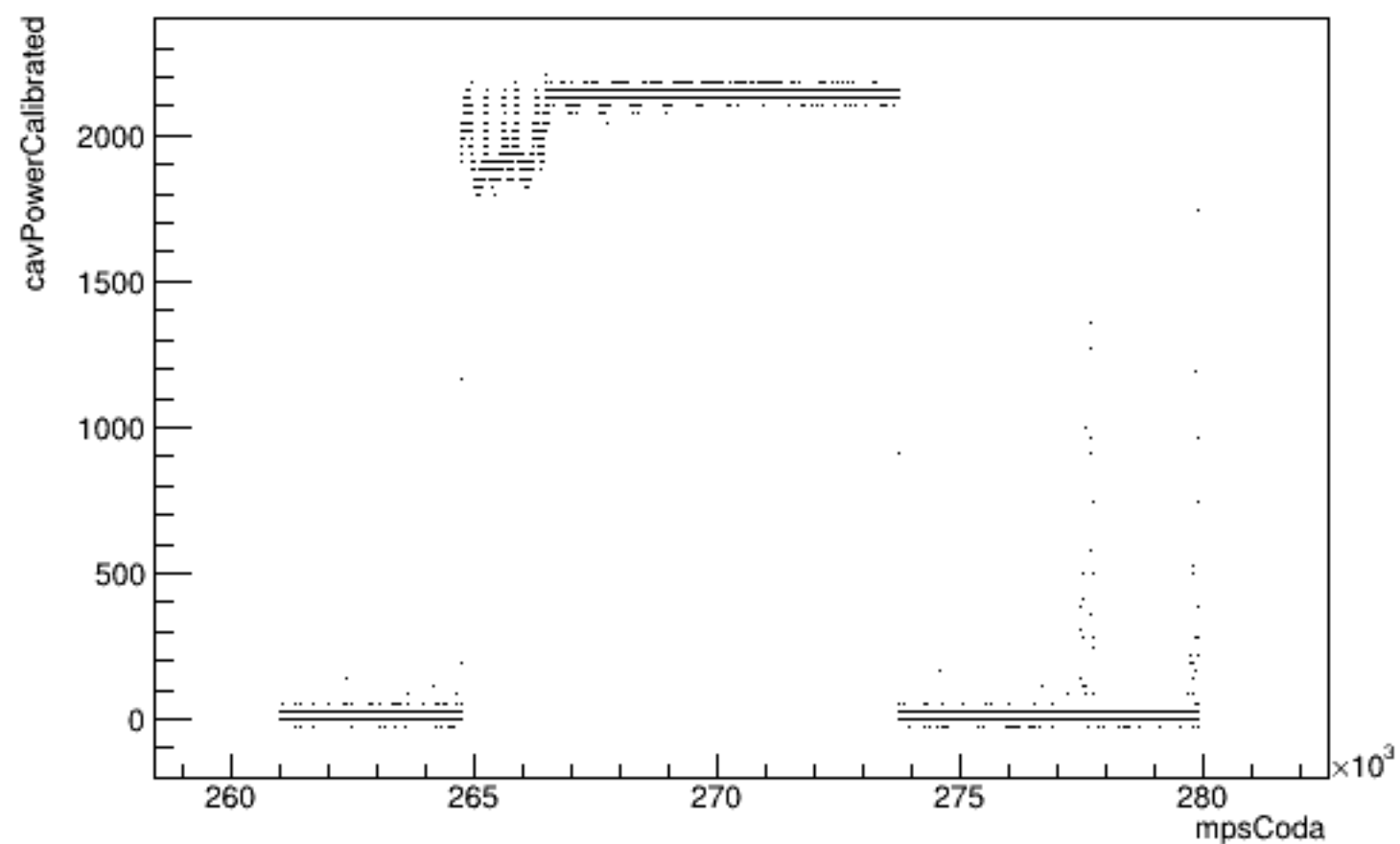
laserState:mpsCoda {mpsCoda>=260986 && mpsCoda<=279889}



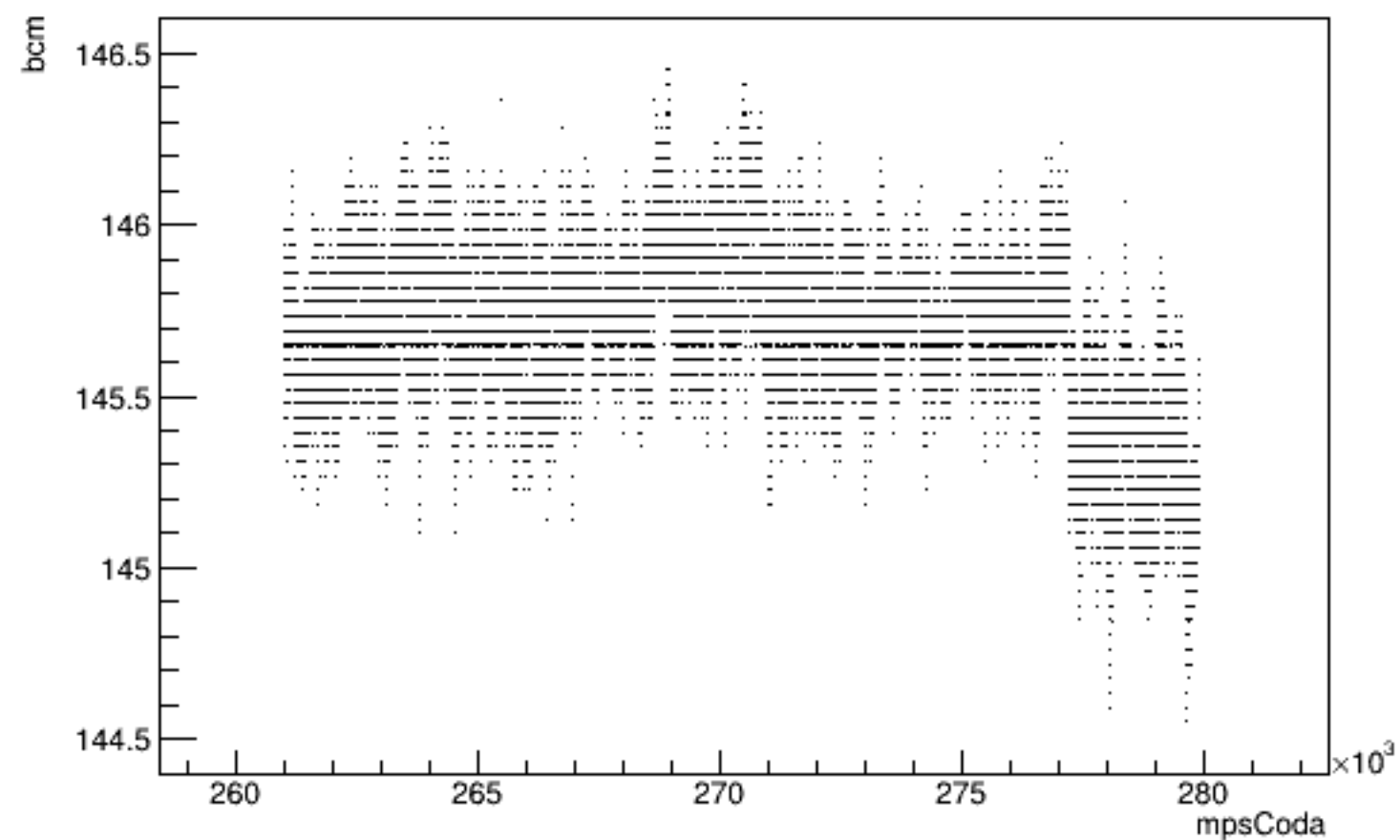
beamState + 1:mpsCoda {mpsCoda>=260986 && mpsCoda<=279889}



cavPowerCalibrated:mpsCoda {mpsCoda>=260986 && mpsCoda<=279889}



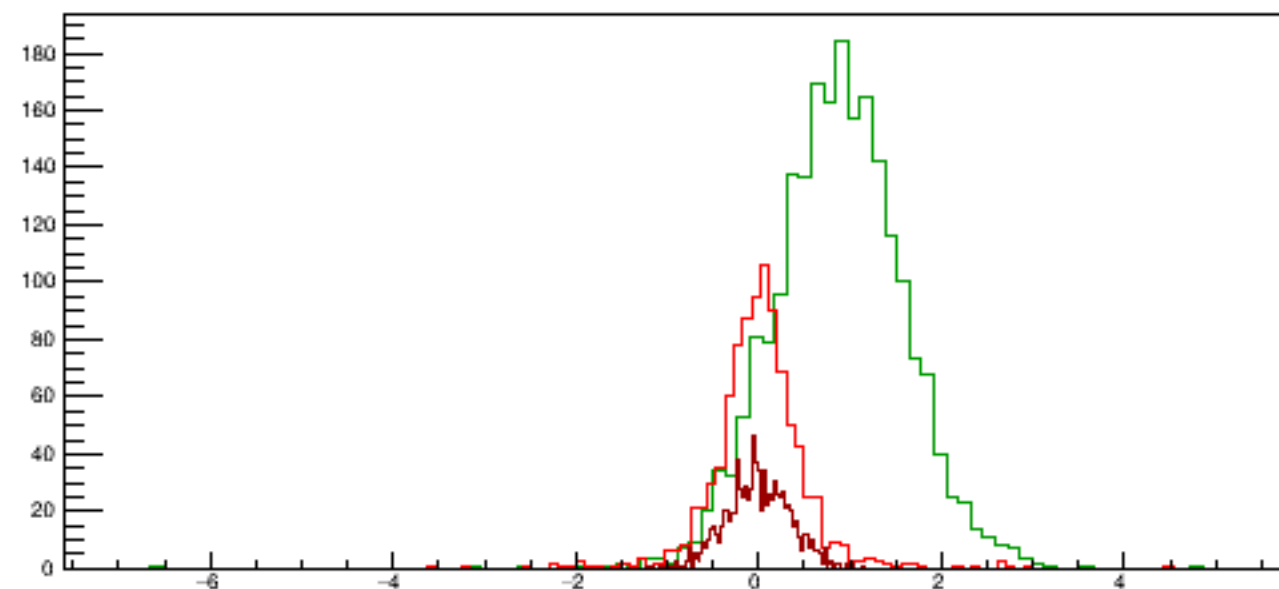
bcm:mpsCoda {mpsCoda>=260986 && mpsCoda<=279889}



Cycle 13, Diffs

Entries: 930	Entries: 2178	Entries: 980
Mean: 0.0103 +/- 0.0187	Mean: 0.8709 +/- 0.0156	Mean: -0.0048 +/- 0.0113
Std Dev: 0.5718 +/- 0.0133	Std Dev: 0.7296 +/- 0.0111	Std Dev: 0.3542 +/- 0.0080

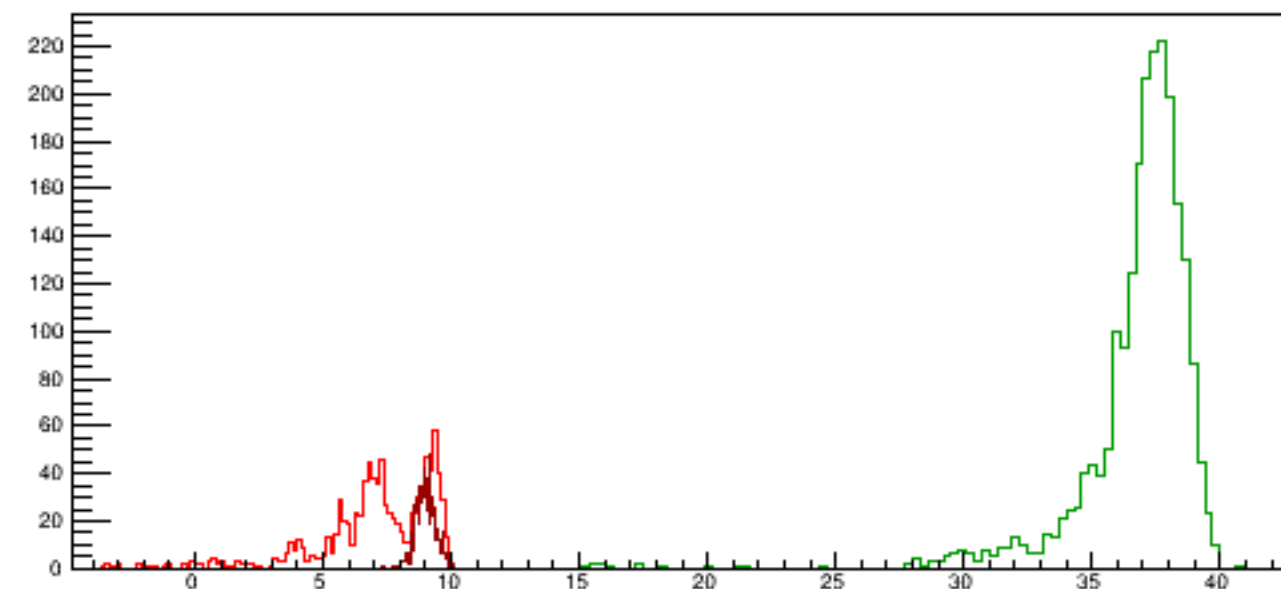
Run 5111 quartetwise, Diffs



Cycle 13, Sums

Entries: 930	Entries: 2178	Entries: 980
Mean: 7.0545 +/- 0.0770	Mean: 36.7796 +/- 0.0510	Mean: 9.0064 +/- 0.0122
Std Dev: 2.3478 +/- 0.0544	Std Dev: 2.3787 +/- 0.0360	Std Dev: 0.3827 +/- 0.0086

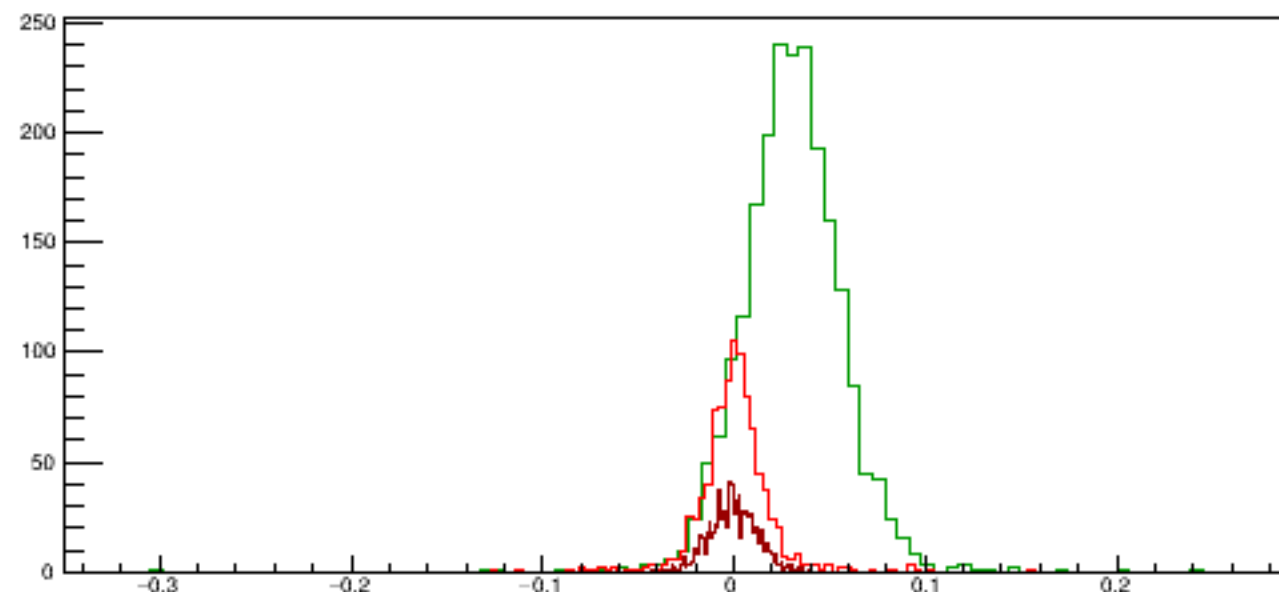
Run 5111 quartetwise, Sums



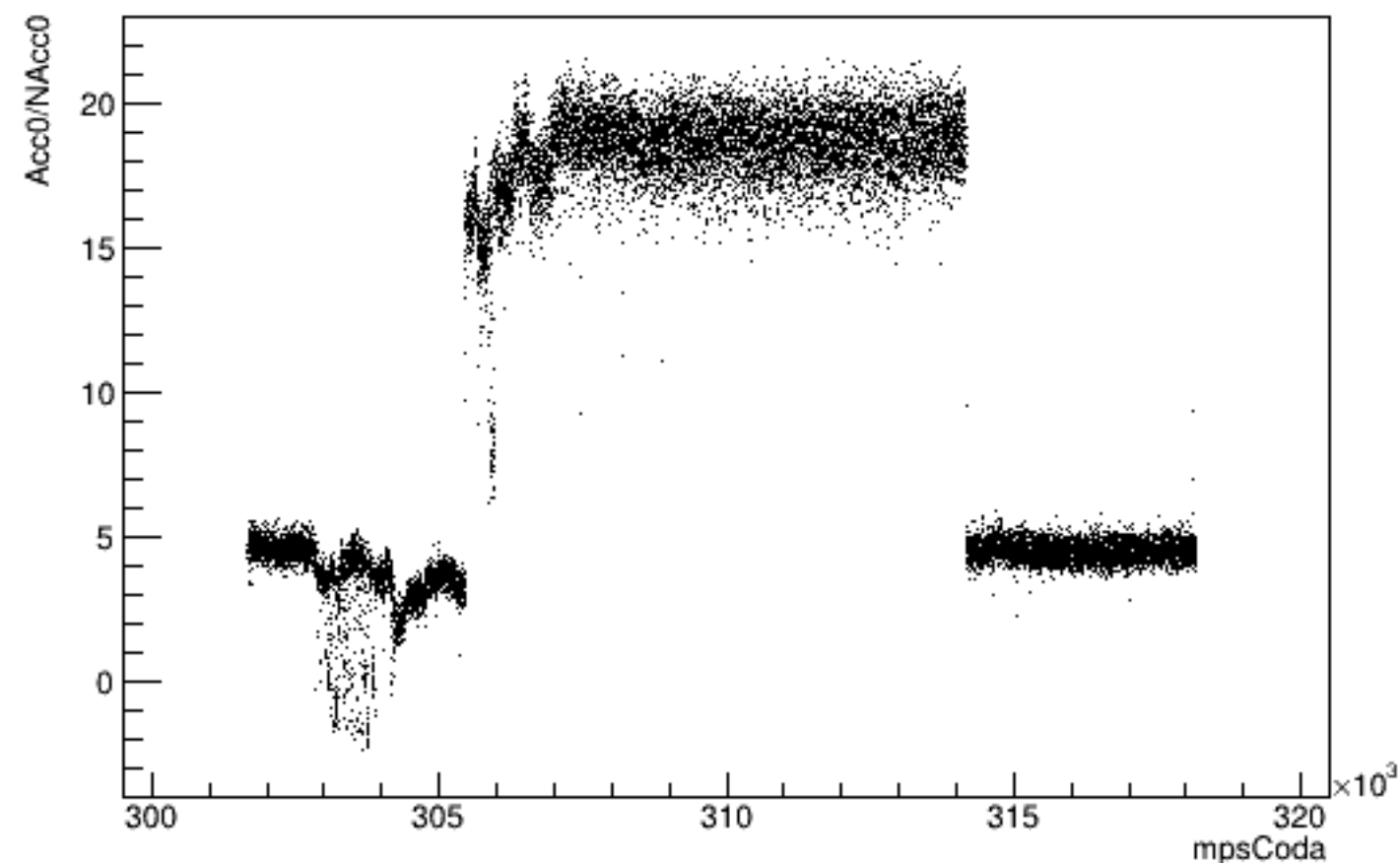
Cycle 13, Asyms

Entries: 930	Entries: 2178	Entries: 980
Mean: 0.0004 +/- 0.0007	Mean: 0.0304 +/- 0.0006	Mean: -0.0002 +/- 0.0004
Std Dev: 0.0199 +/- 0.0005	Std Dev: 0.0272 +/- 0.0004	Std Dev: 0.0123 +/- 0.0003

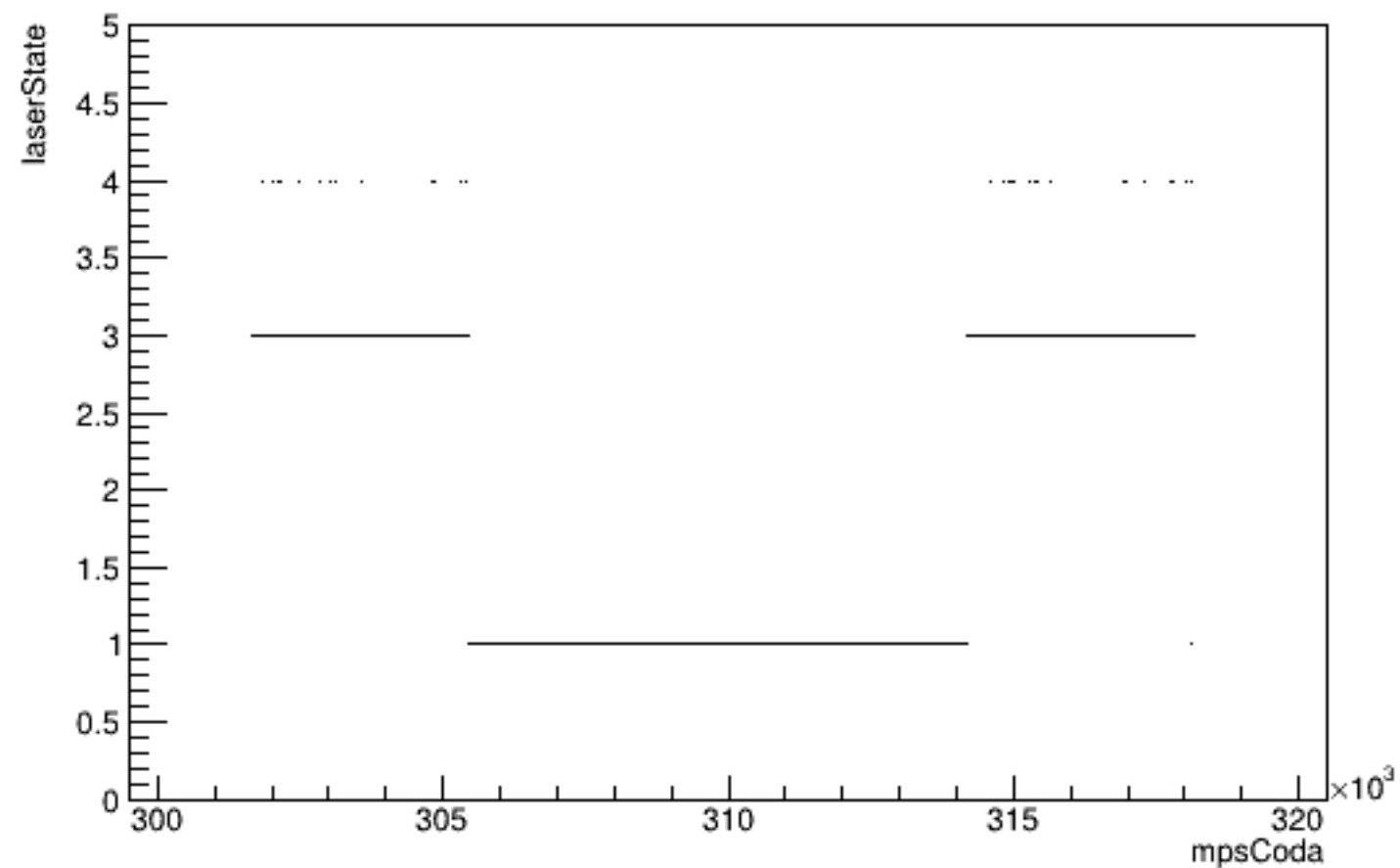
Run 5111 quartetwise, Asyms



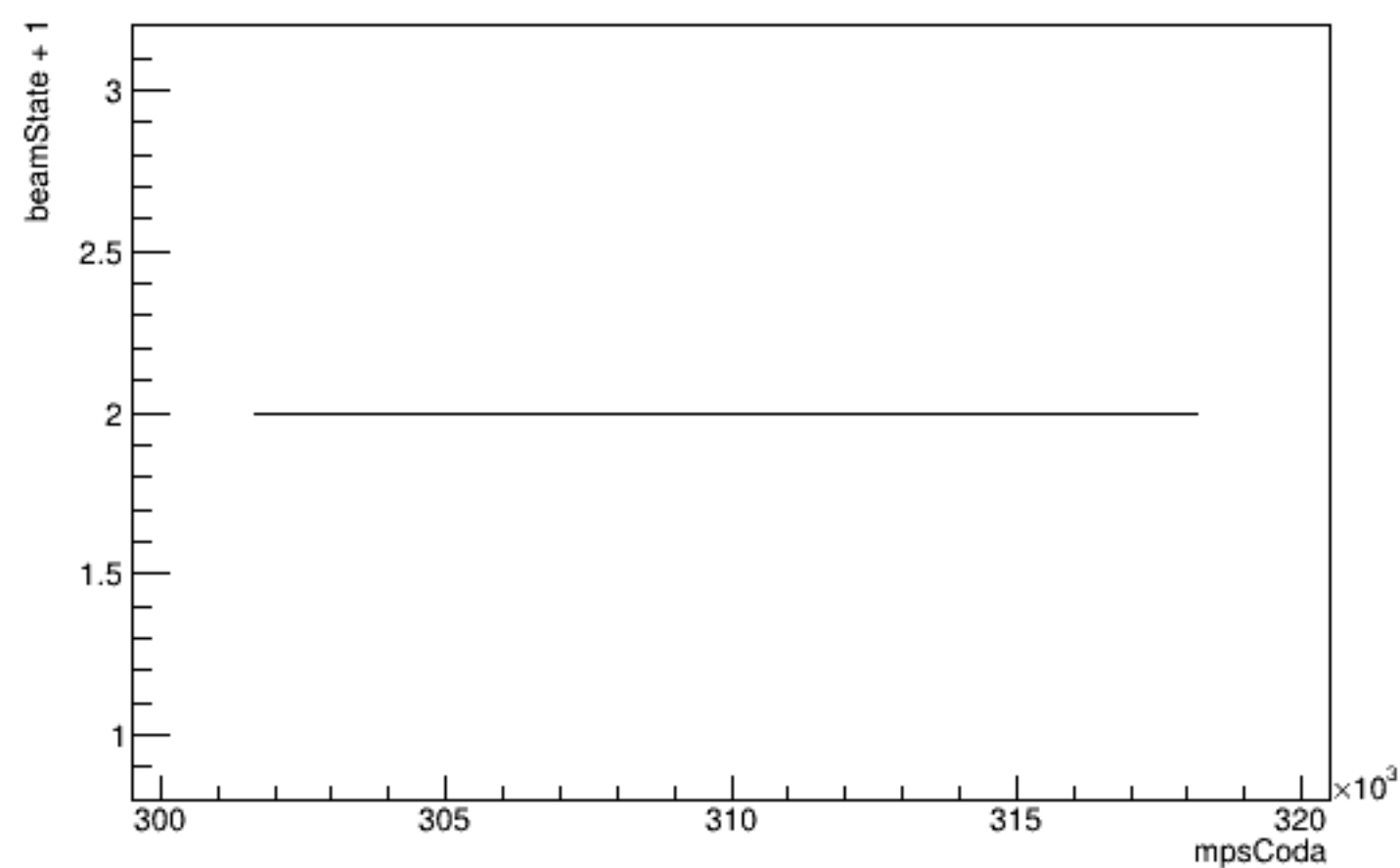
Acc0/NAcc0:mpsCoda (mpsCoda>=301674 && mpsCoda<=318157 && beamState==1)



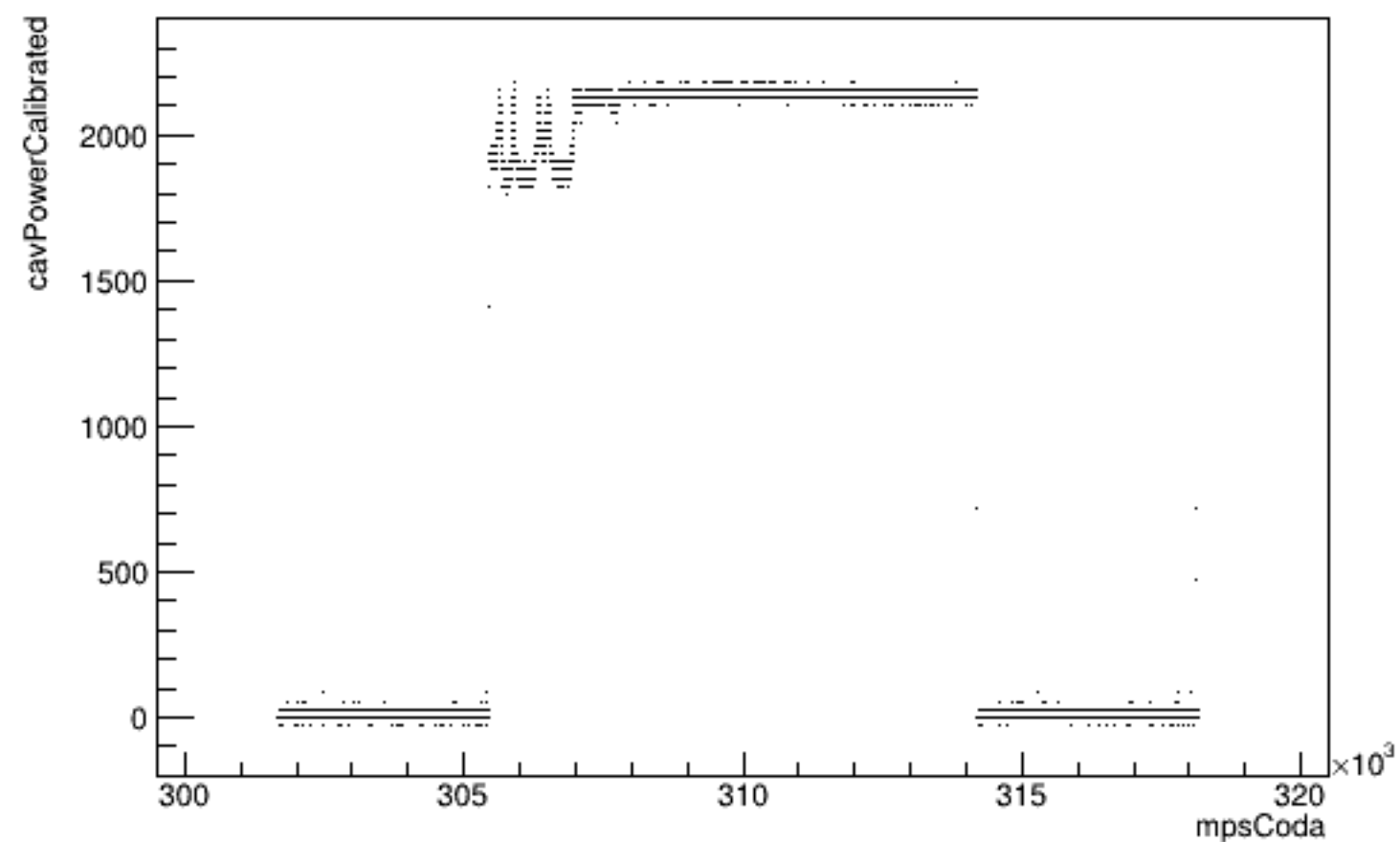
laserState:mpsCoda {mpsCoda>=301674 && mpsCoda<=318157}



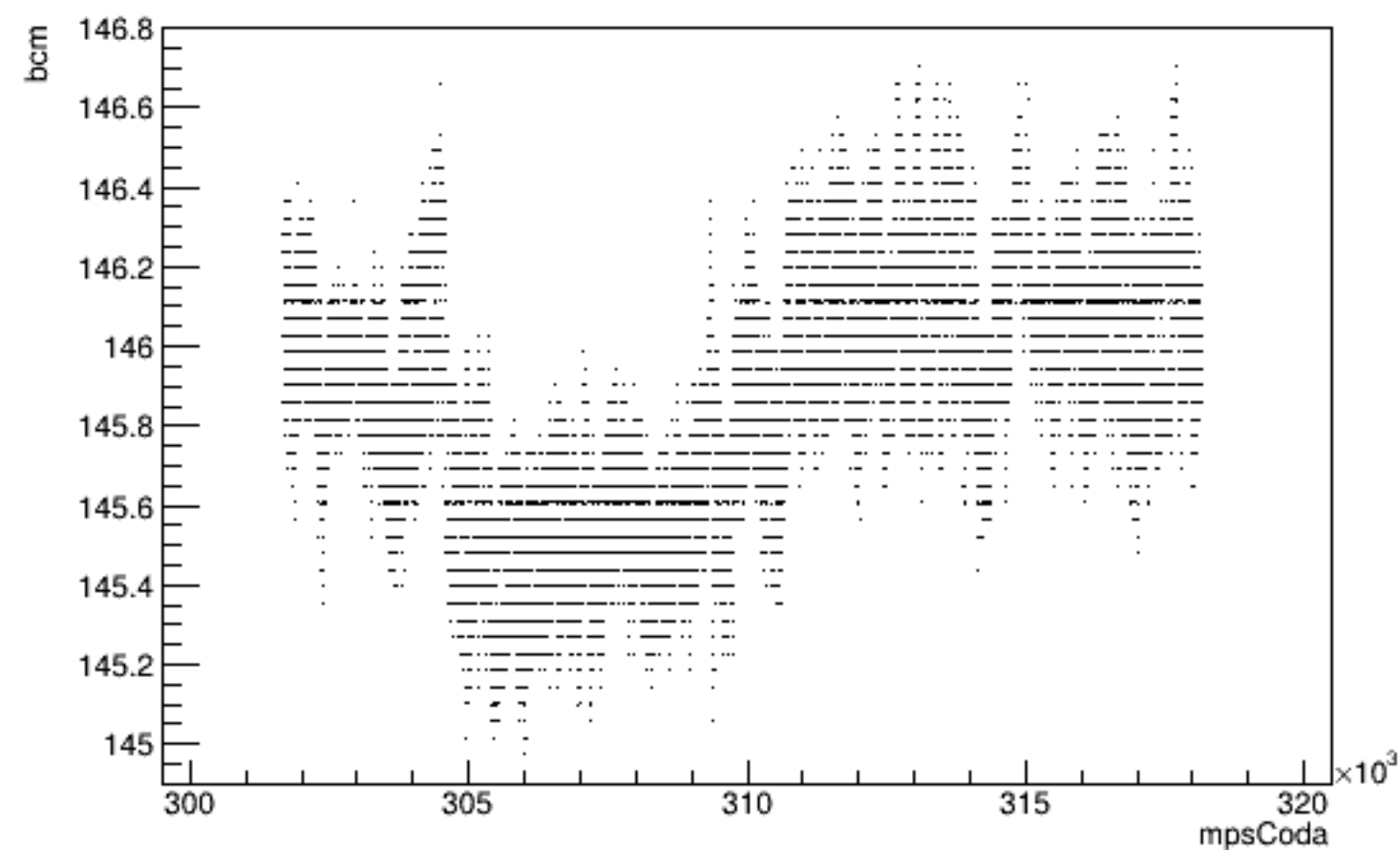
beamState + 1:mpsCoda {mpsCoda>=301674 && mpsCoda<=318157}



cavPowerCalibrated:mpsCoda {mpsCoda>=301674 && mpsCoda<=318157}



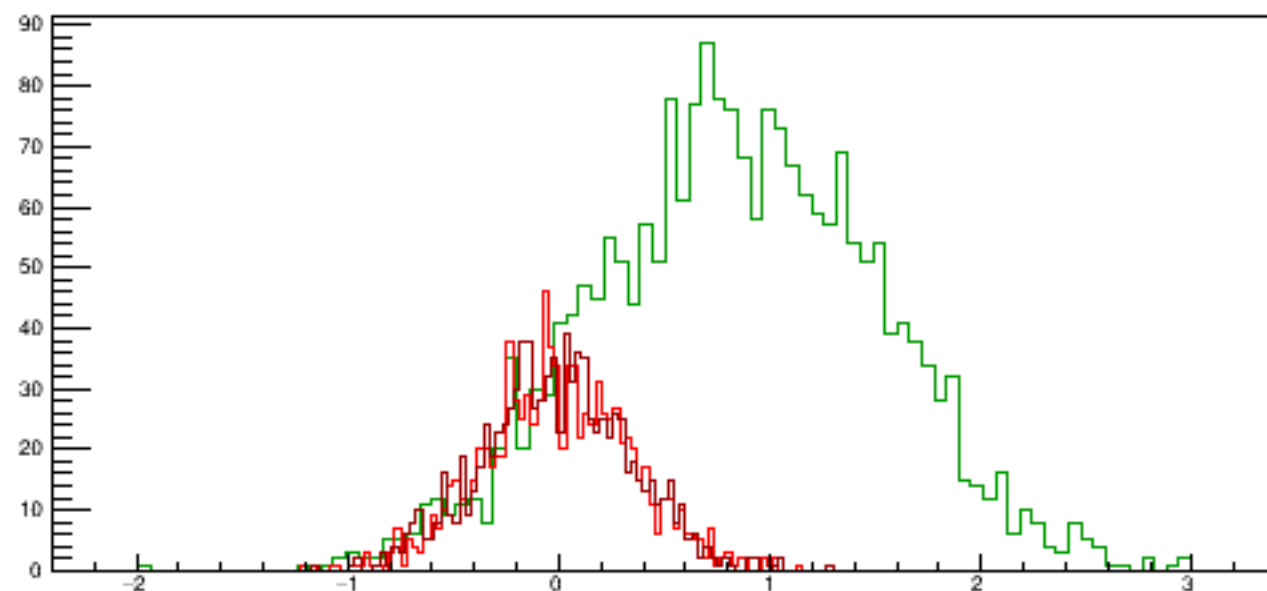
bcm:mpsCoda {mpsCoda>=301674 && mpsCoda<=318157}



Cycle 14, Diffs

Entries: 980	Entries: 2187	Entries: 969
Mean: -0.0048 +/- 0.0113	Mean: 0.8373 +/- 0.0144	Mean: -0.0133 +/- 0.0111
Std Dev: 0.3542 +/- 0.0080	Std Dev: 0.6752 +/- 0.0102	Std Dev: 0.3461 +/- 0.0079

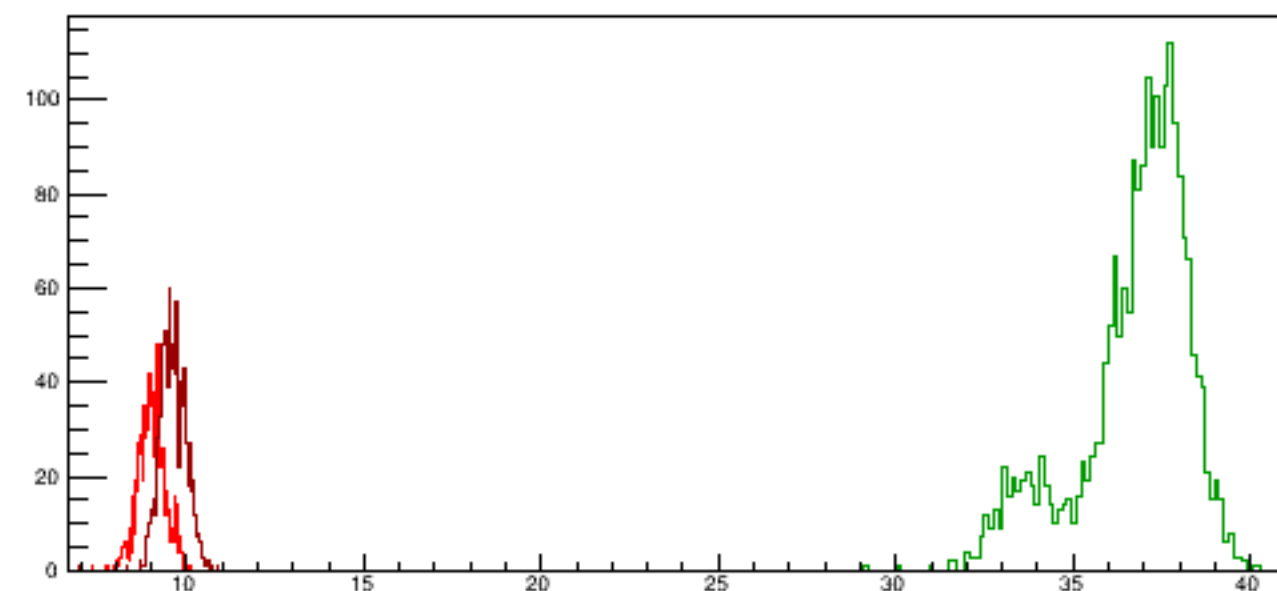
Run 5111 quartetwise, Diffs



Cycle 14, Sums

Entries: 980	Entries: 2187	Entries: 969
Mean: 9.0064 +/- 0.0122	Mean: 36.7237 +/- 0.0341	Mean: 9.6147 +/- 0.0116
Std Dev: 0.3827 +/- 0.0086	Std Dev: 1.5926 +/- 0.0241	Std Dev: 0.3626 +/- 0.0082

Run 5111 quartetwise, Sums

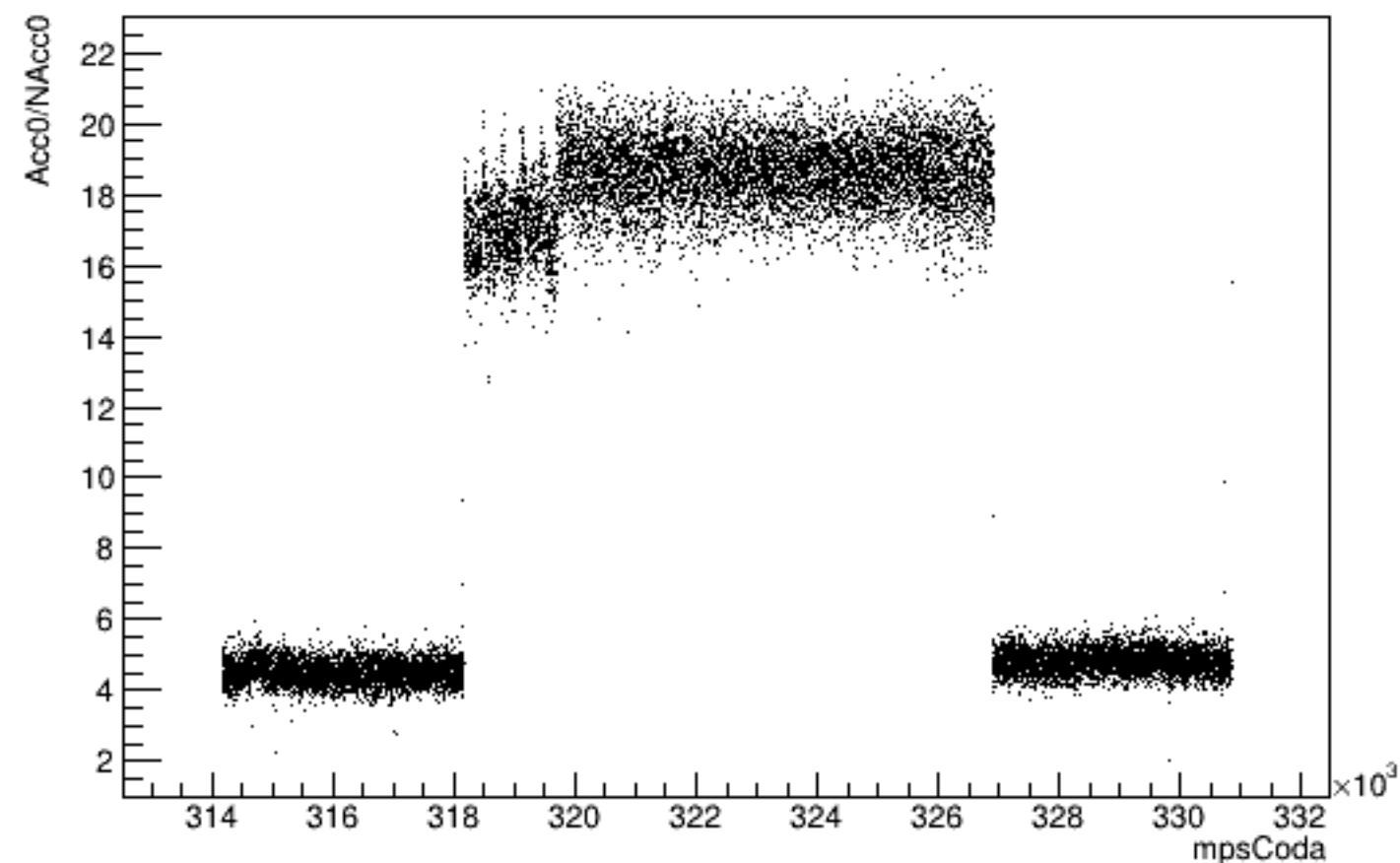
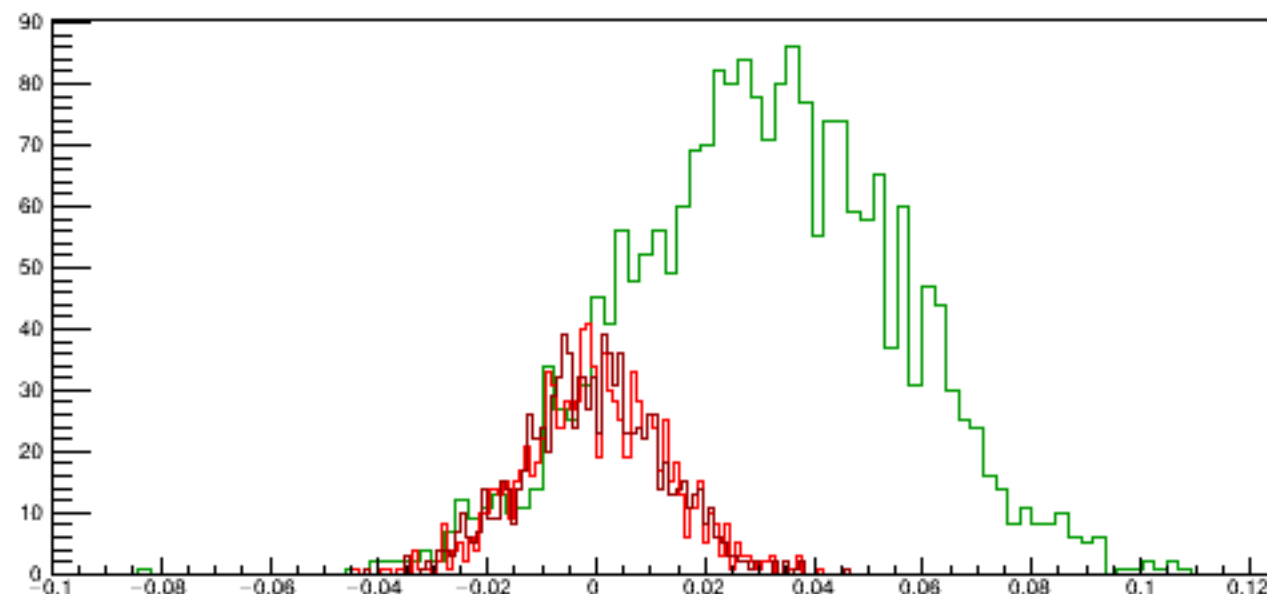


Acc0/NAcc0:mpsCoda (mpsCoda>=314170 && mpsCoda<=330849 && beamState==1)

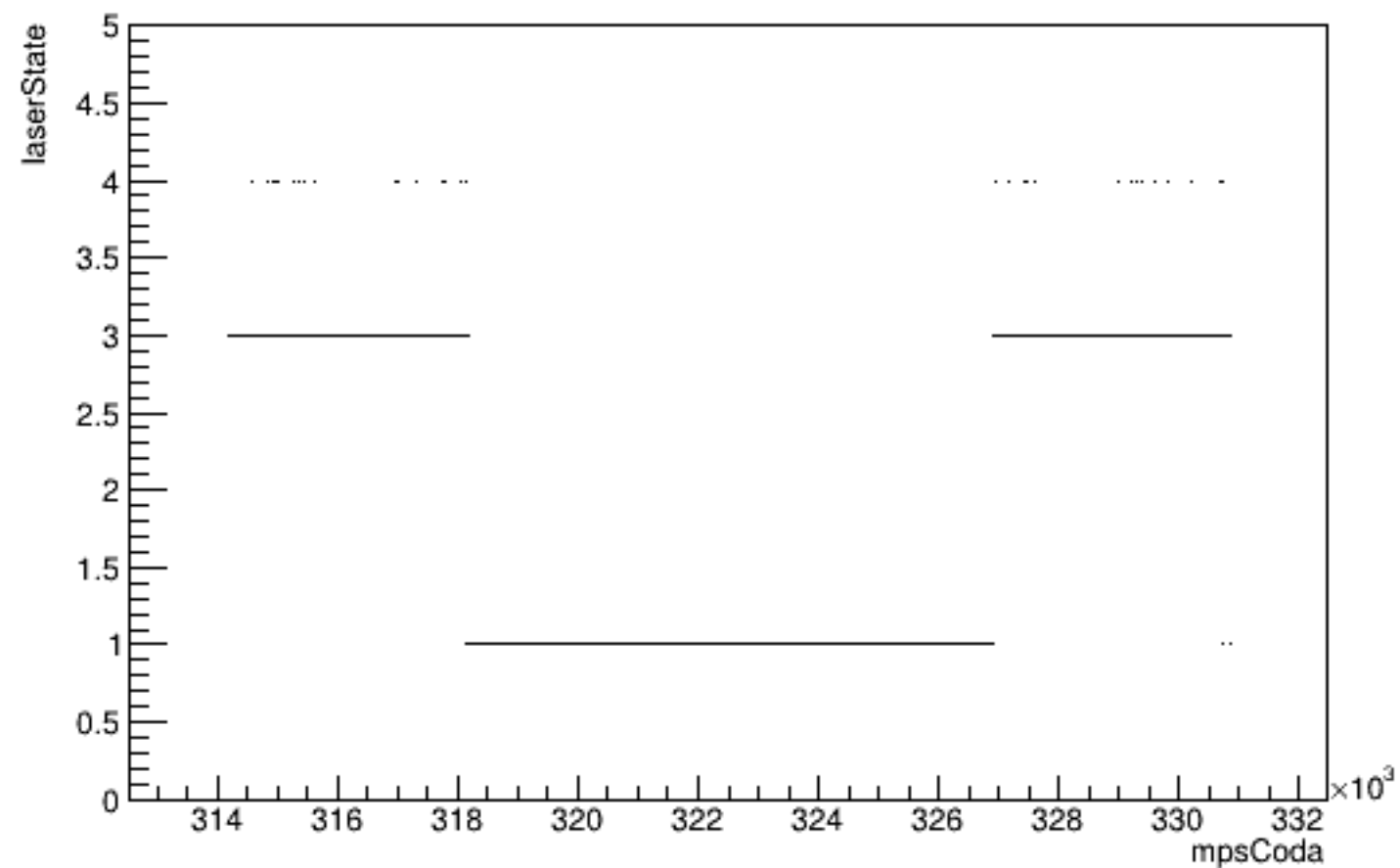
Cycle 14, Asyms

Entries: 980	Entries: 2187	Entries: 969
Mean: -0.0002 +/- 0.0004	Mean: 0.0306 +/- 0.0005	Mean: -0.0005 +/- 0.0004
Std Dev: 0.0129 +/- 0.0003	Std Dev: 0.0248 +/- 0.0004	Std Dev: 0.0126 +/- 0.0003

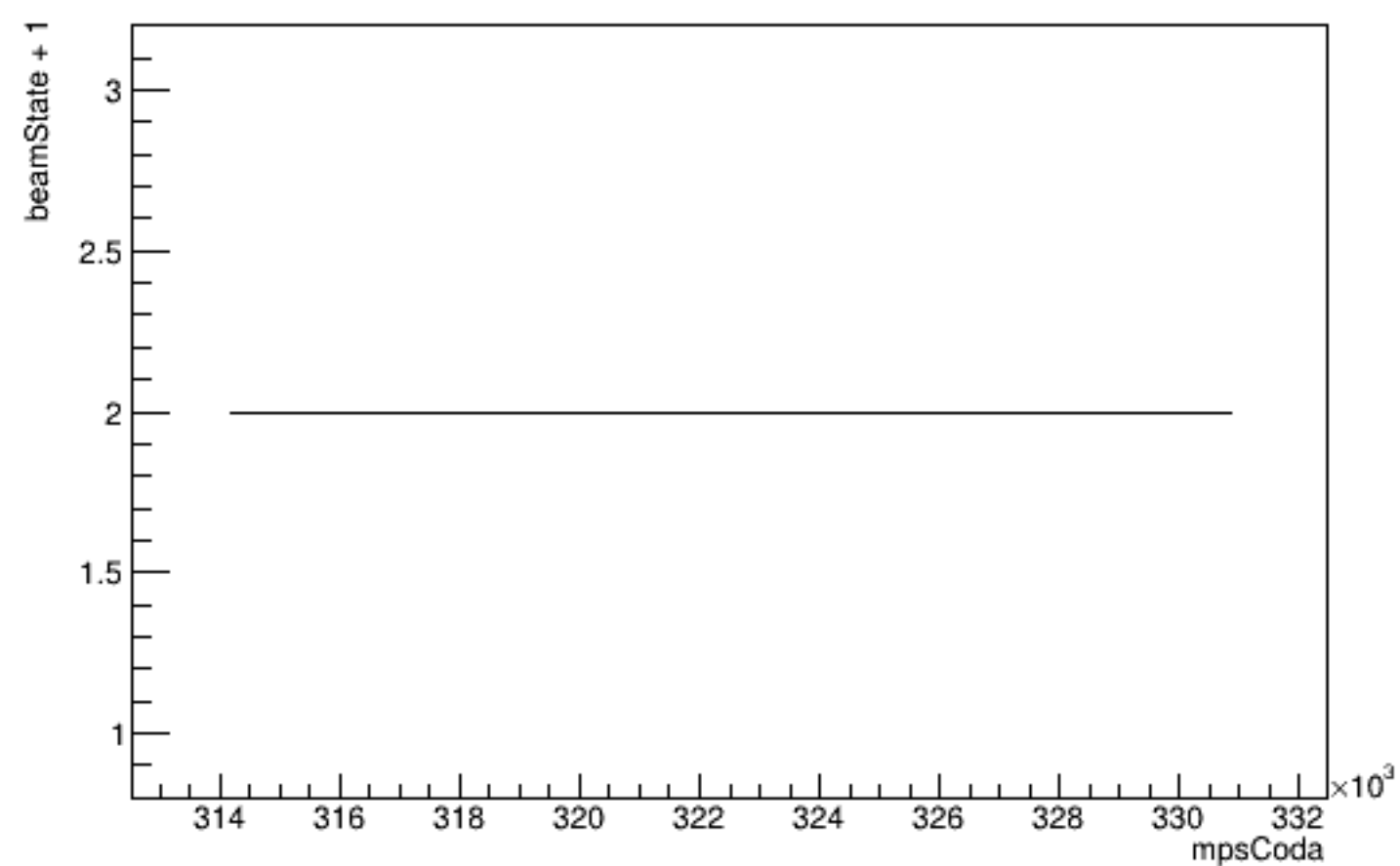
Run 5111 quartetwise, Asyms



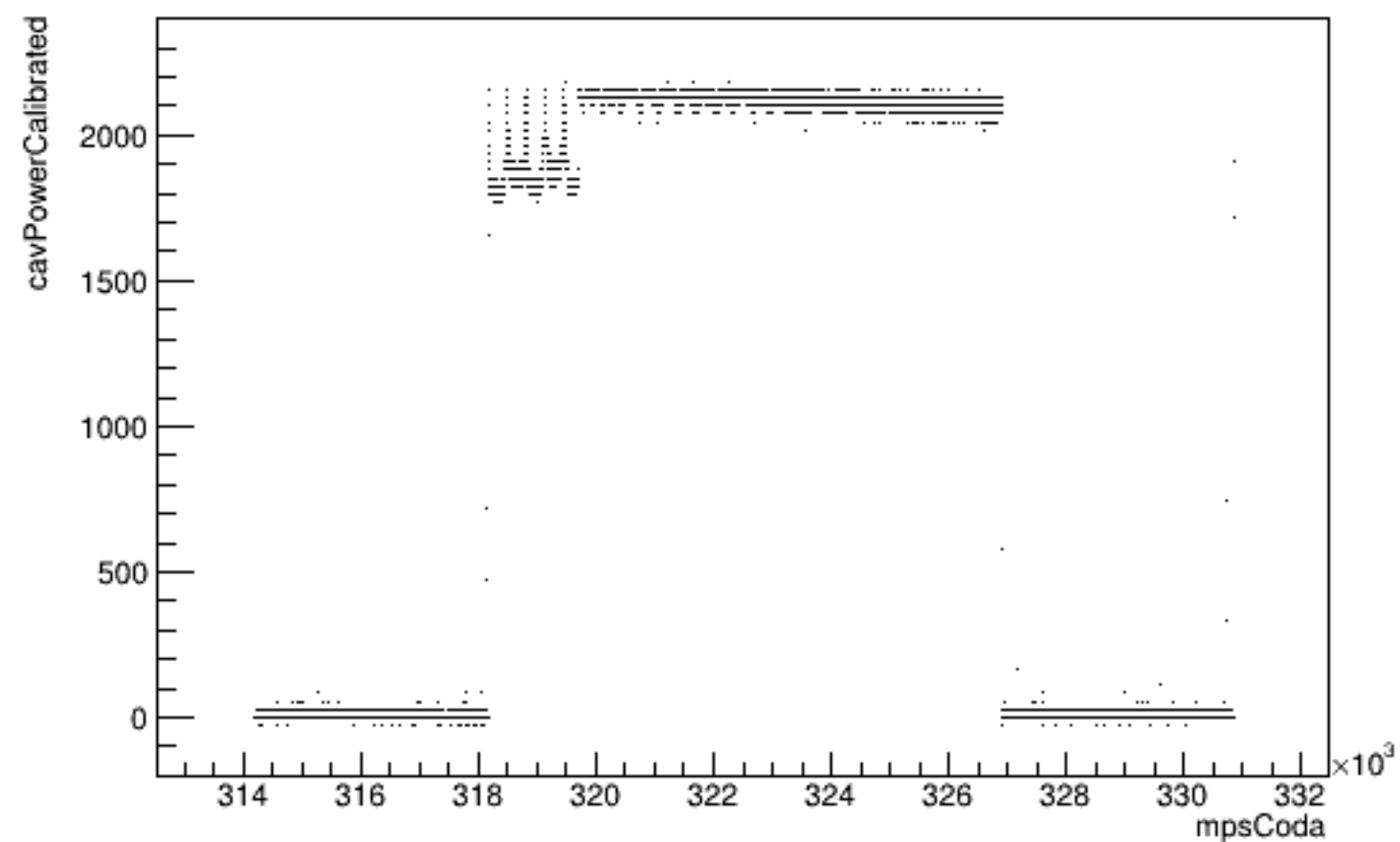
laserState:mpsCoda {mpsCoda>=314170 && mpsCoda<=330849}



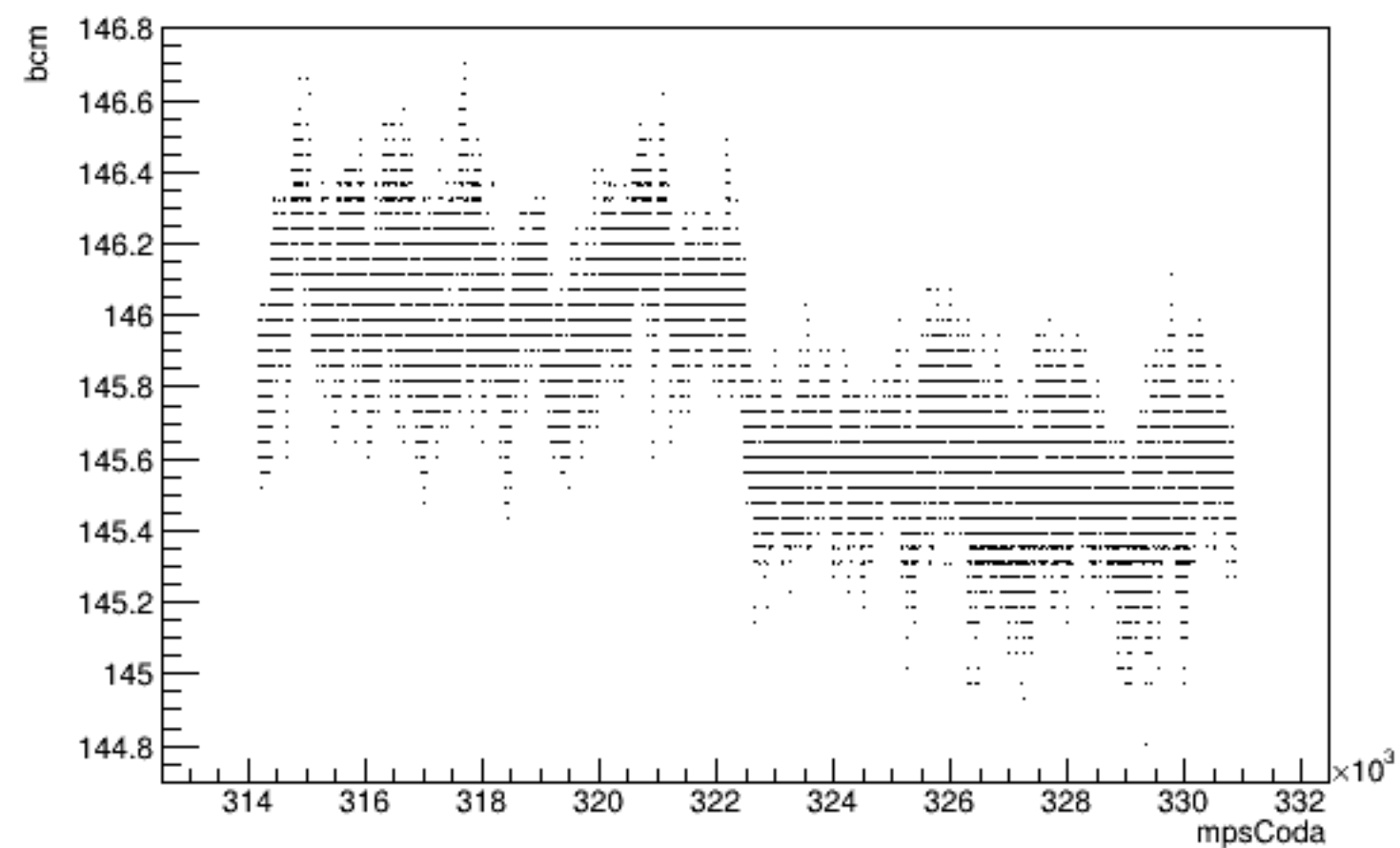
beamState + 1:mpsCoda {mpsCoda>=314170 && mpsCoda<=330849}



cavPowerCalibrated:mpsCoda {mpsCoda>=314170 && mpsCoda<=330849}



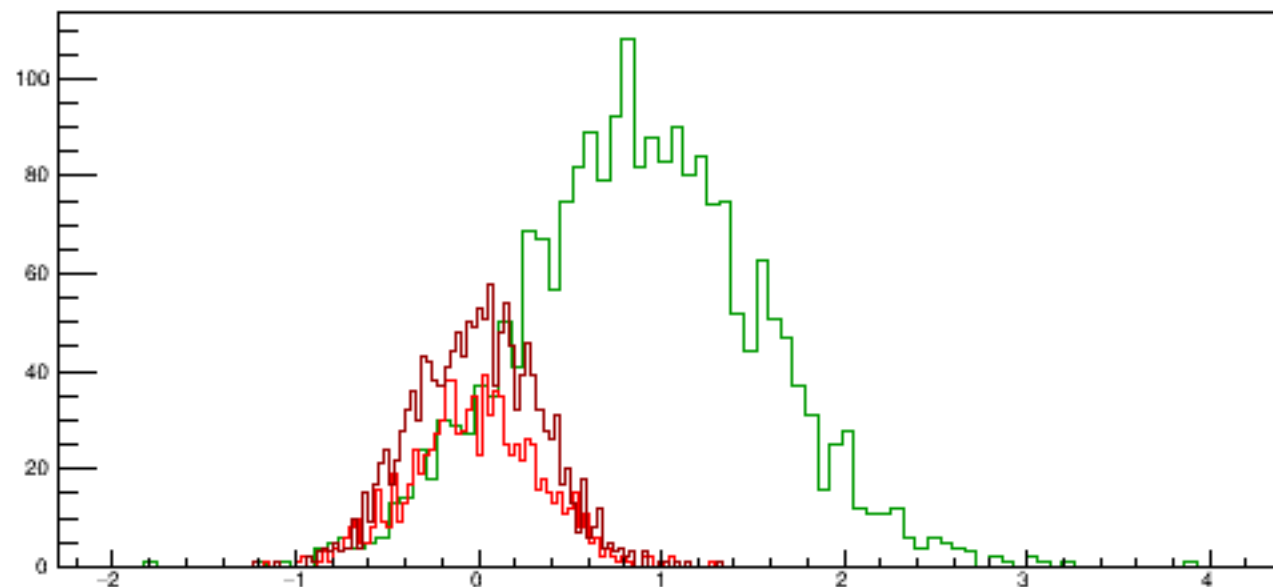
bcm:mpsCoda {mpsCoda>=314170 && mpsCoda<=330849}



Cycle 15, Diffs

Entries: 969	Entries: 2201	Entries: 1476
Mean: -0.0133 +/- 0.0111	Mean: 0.8872 +/- 0.0141	Mean: -0.0096 +/- 0.0089
Std Dev: 0.3461 +/- 0.0079	Std Dev: 0.6612 +/- 0.0100	Std Dev: 0.3436 +/- 0.0063

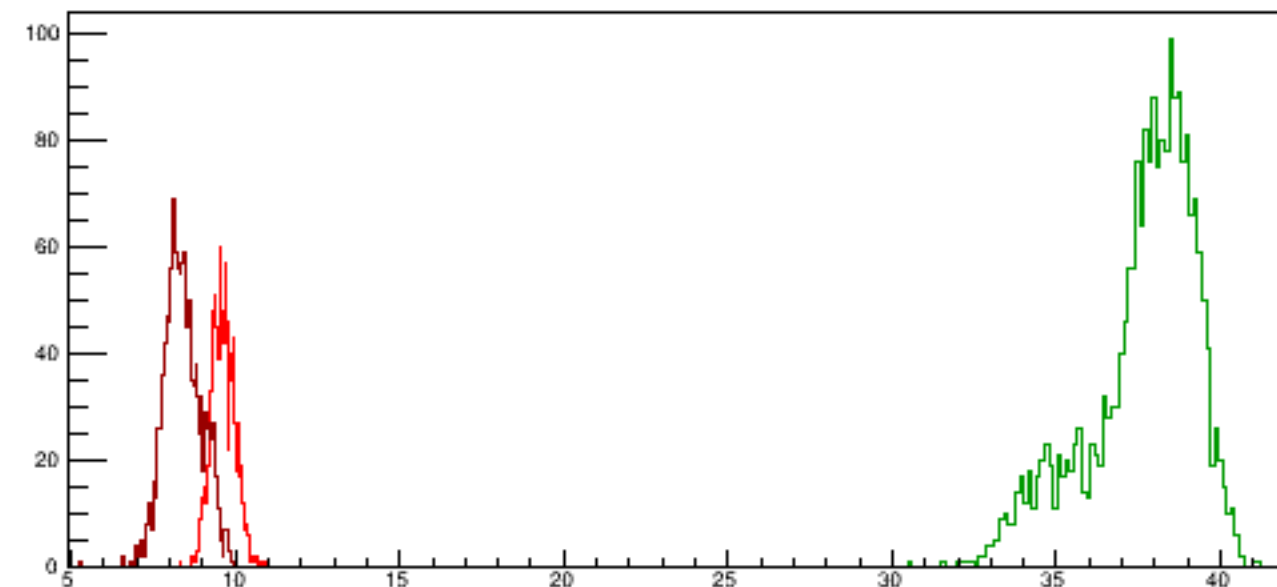
Run 5111 quartetwise, Diffs



Cycle 15, Sums

Entries: 969	Entries: 2201	Entries: 1476
Mean: 9.6147 +/- 0.0116	Mean: 37.6337 +/- 0.0352	Mean: 8.4124 +/- 0.0147
Std Dev: 0.3626 +/- 0.0082	Std Dev: 1.6493 +/- 0.0249	Std Dev: 0.5662 +/- 0.0104

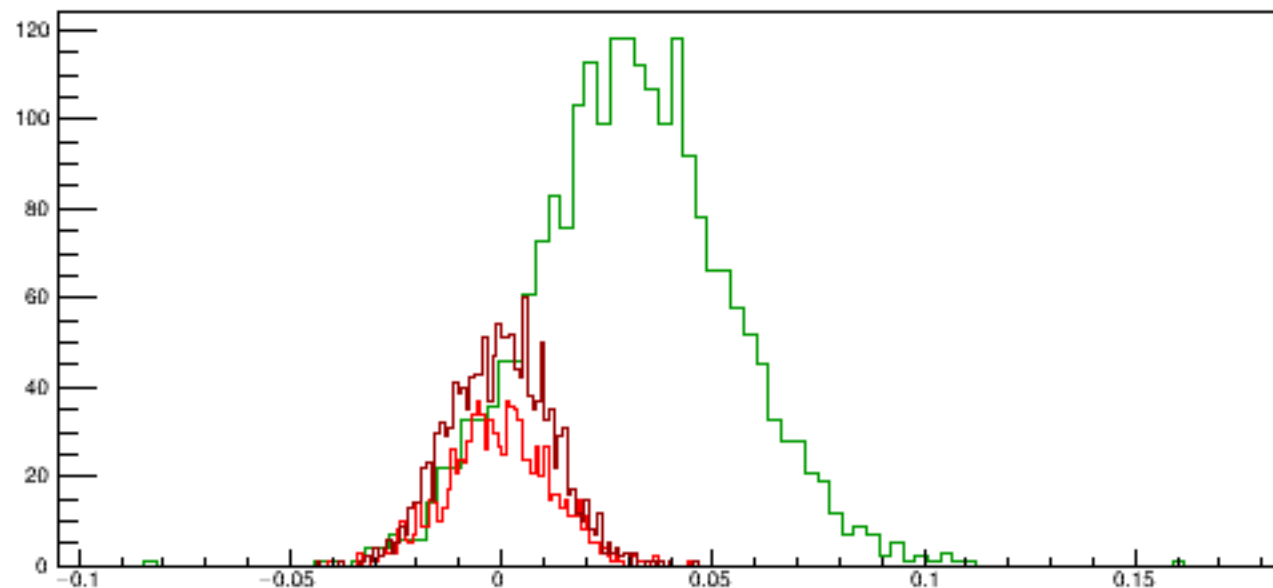
Run 5111 quartetwise, Sums



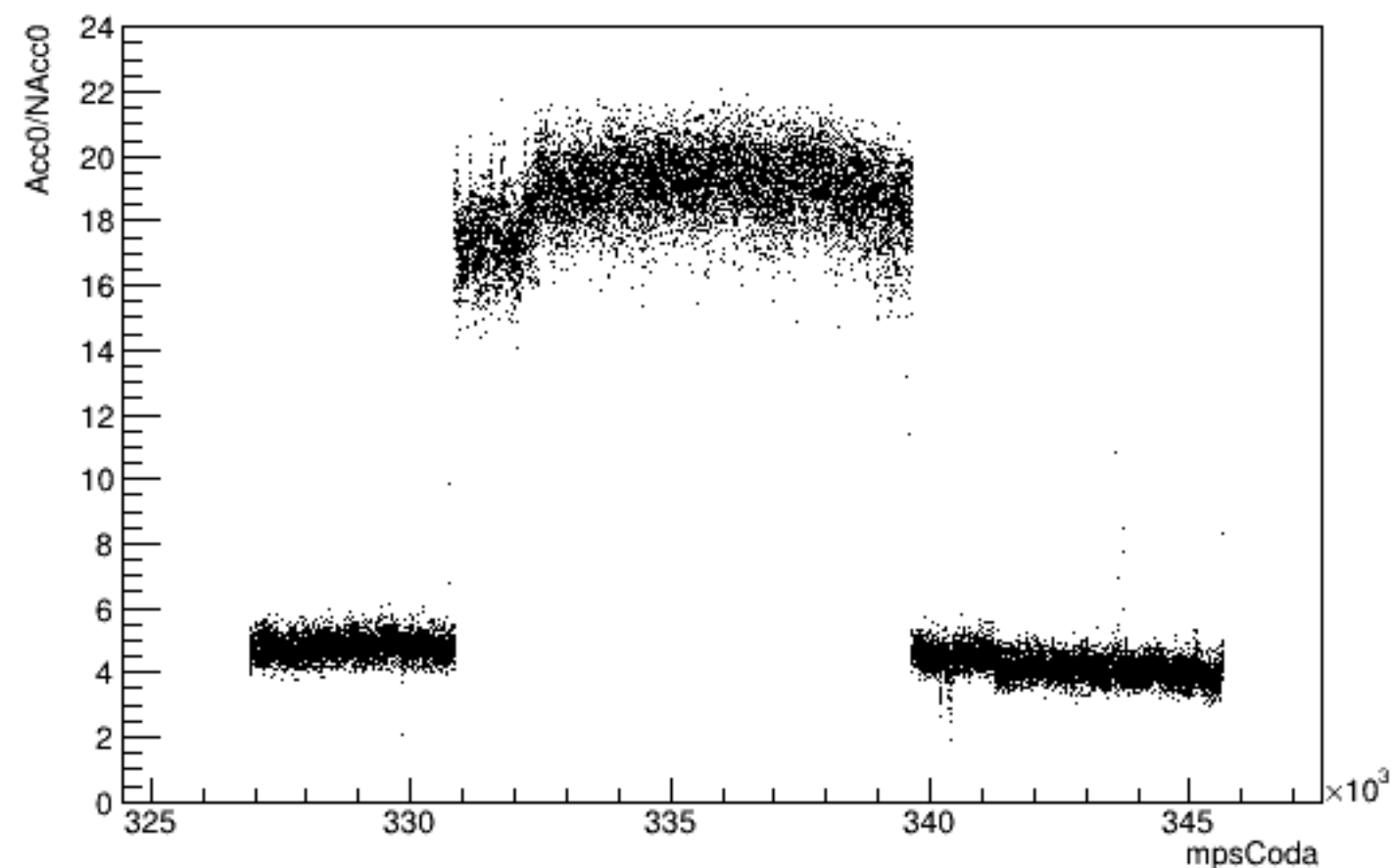
Cycle 15, Asyms

Entries: 969	Entries: 2201	Entries: 1476
Mean: -0.0005 +/- 0.0004	Mean: 0.0310 +/- 0.0005	Mean: -0.0003 +/- 0.0003
Std Dev: 0.0121 +/- 0.0003	Std Dev: 0.0233 +/- 0.0004	Std Dev: 0.0120 +/- 0.0002

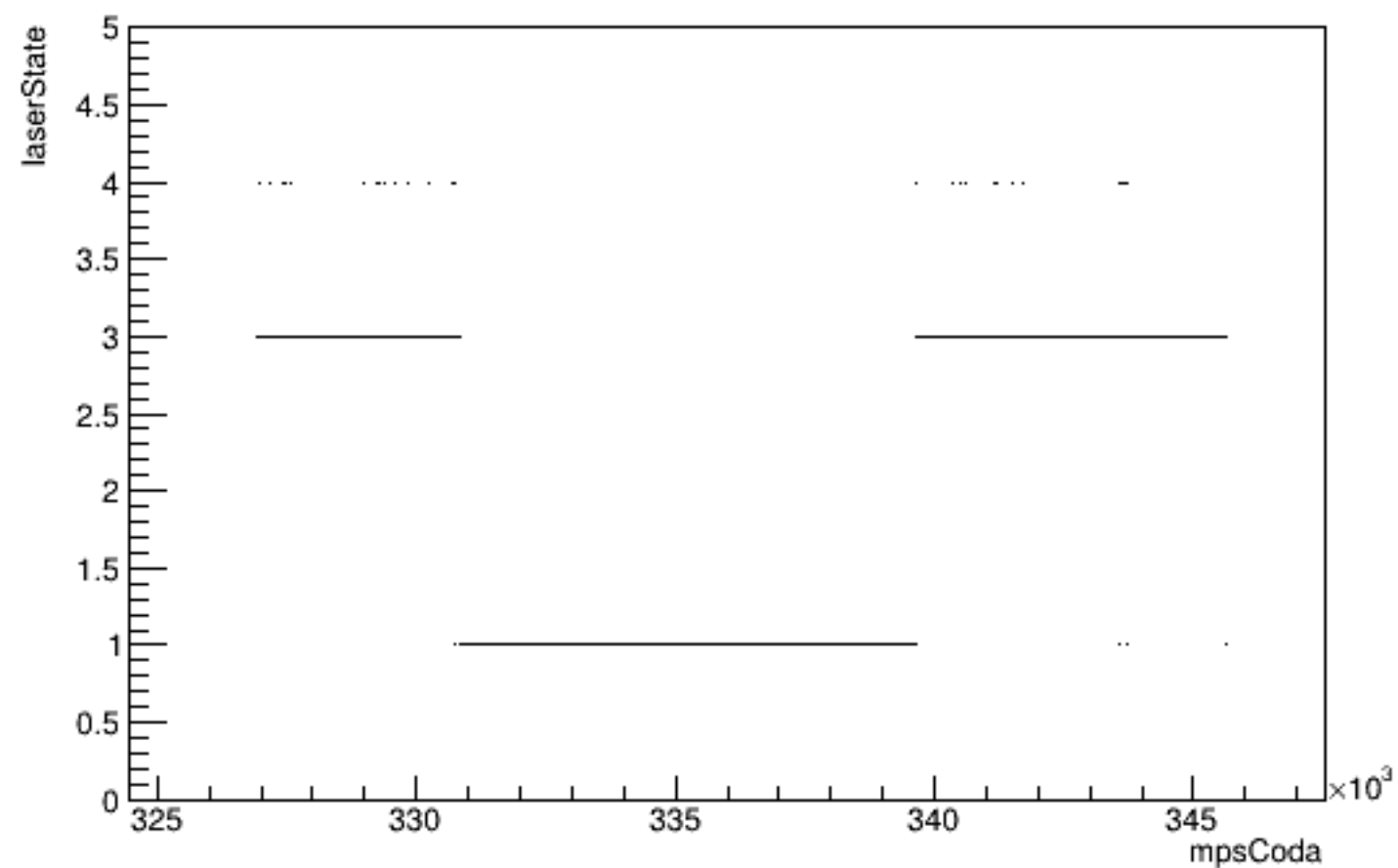
Run 5111 quartetwise, Asyms



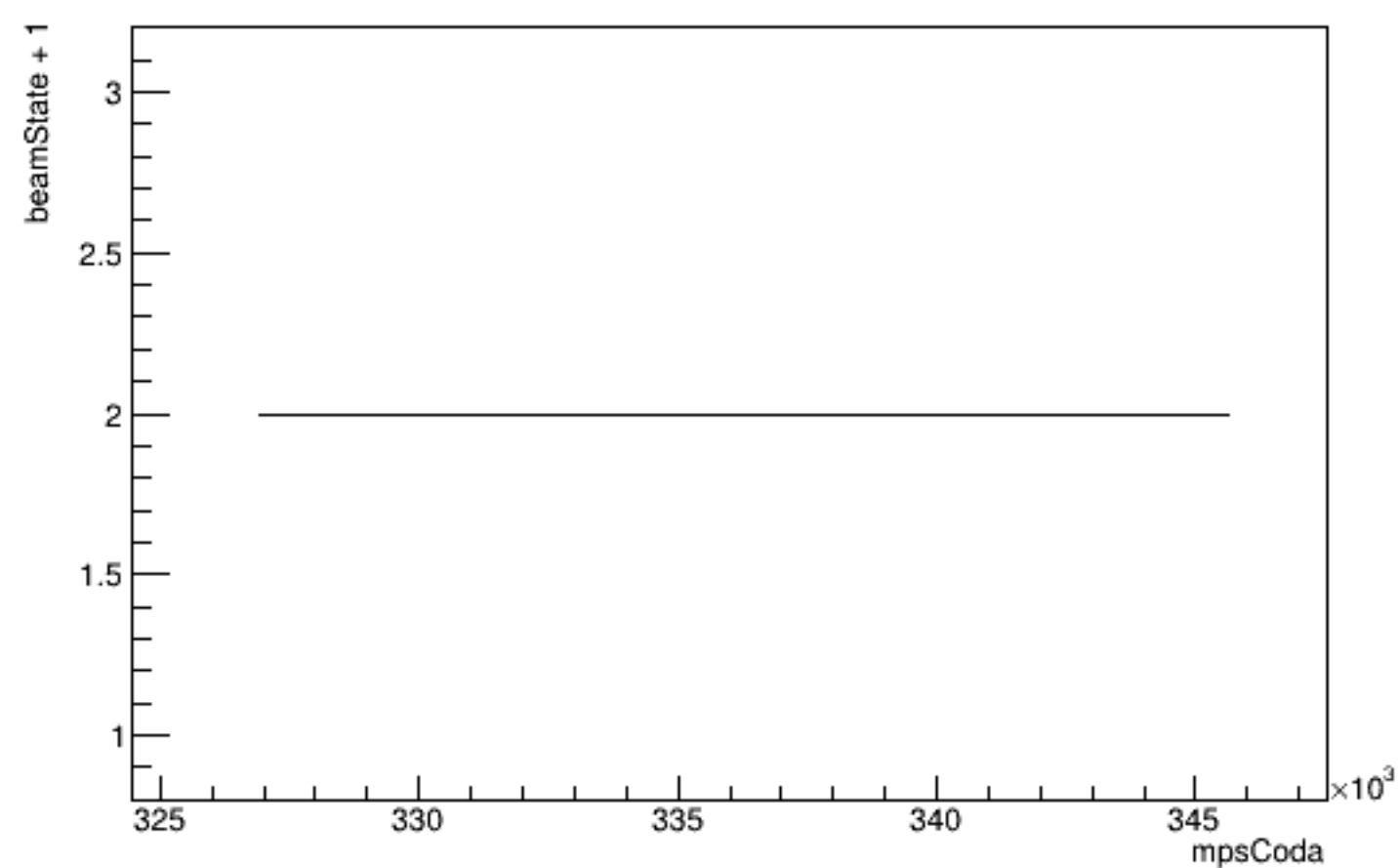
Acc0/NAcc0:mpsCoda (mpsCoda>=326910 && mpsCoda<=345633 && beamState==1)



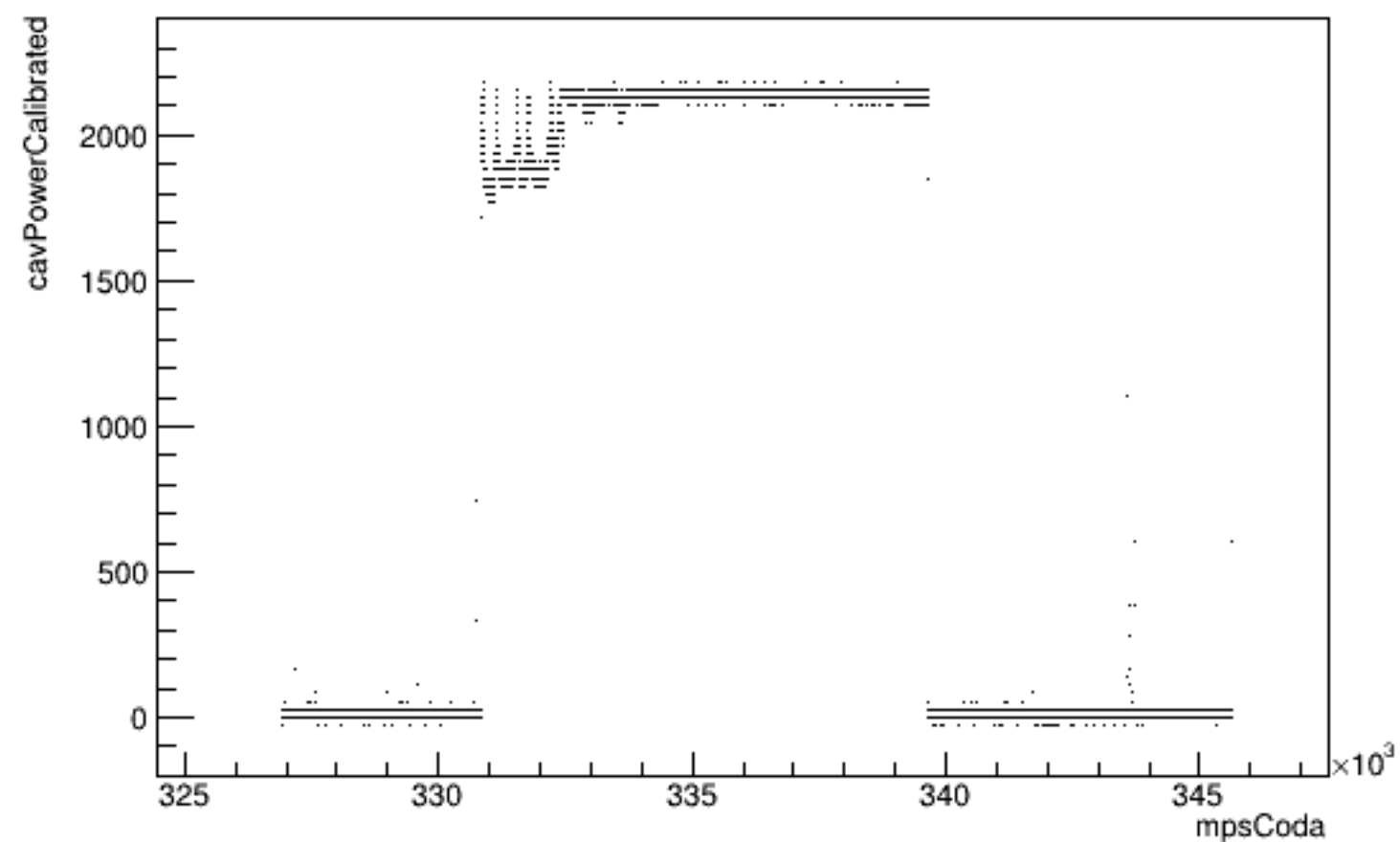
laserState:mpsCoda {mpsCoda>=326910 && mpsCoda<=345633}



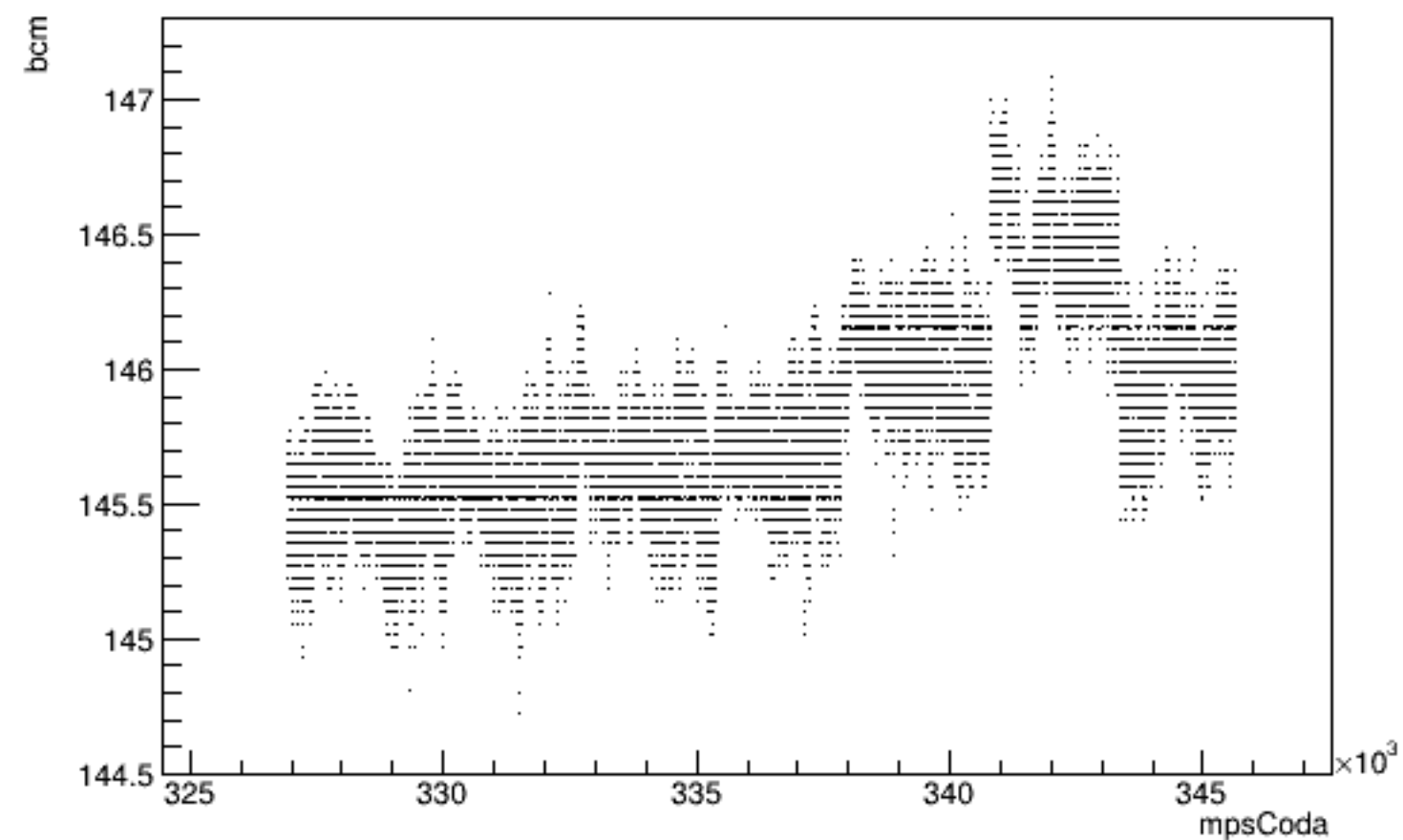
beamState + 1:mpsCoda {mpsCoda>=326910 && mpsCoda<=345633}



cavPowerCalibrated:mpsCoda {mpsCoda>=326910 && mpsCoda<=345633}



bcm:mpsCoda {mpsCoda>=326910 && mpsCoda<=345633}



Cycle 16, Diffs

Entries: 1476

Mean: -0.0096 +/- 0.0089

Std Dev: 0.3436 +/- 0.0063

Entries: 2175

Mean: 0.8492 +/- 0.0143

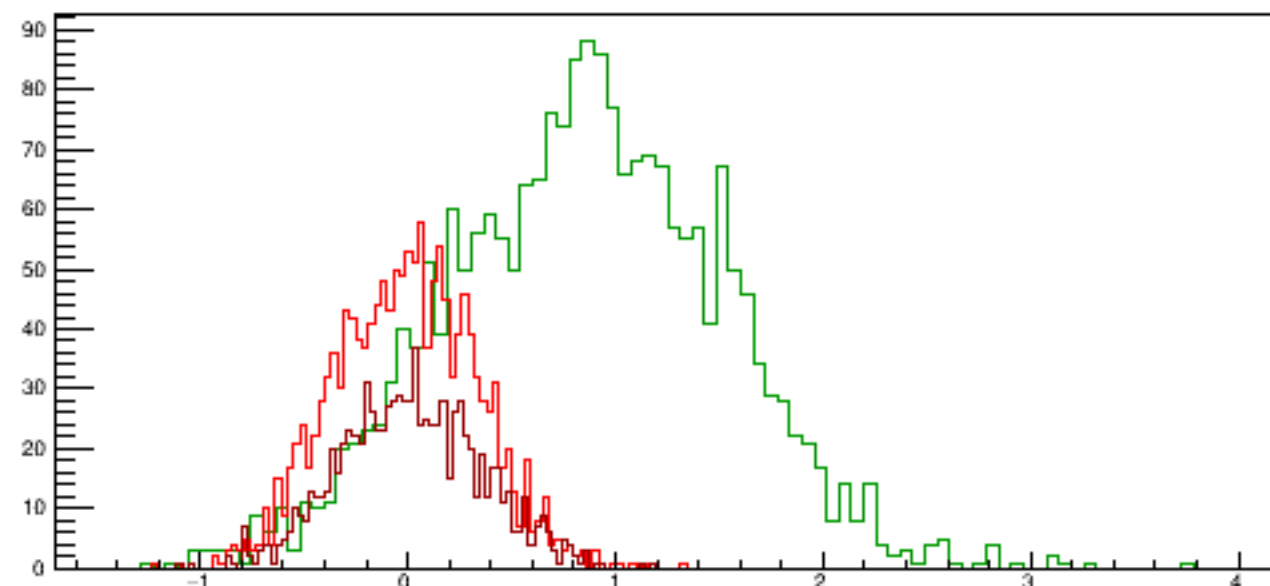
Std Dev: 0.6687 +/- 0.0101

Entries: 928

Mean: 0.0146 +/- 0.0113

Std Dev: 0.3433 +/- 0.0080

Run 5111 quartetwise, Diffs



Cycle 16, Sums

Entries: 1476

Mean: 8.4124 +/- 0.0147

Std Dev: 0.5662 +/- 0.0104

Entries: 2175

Mean: 35.5399 +/- 0.0371

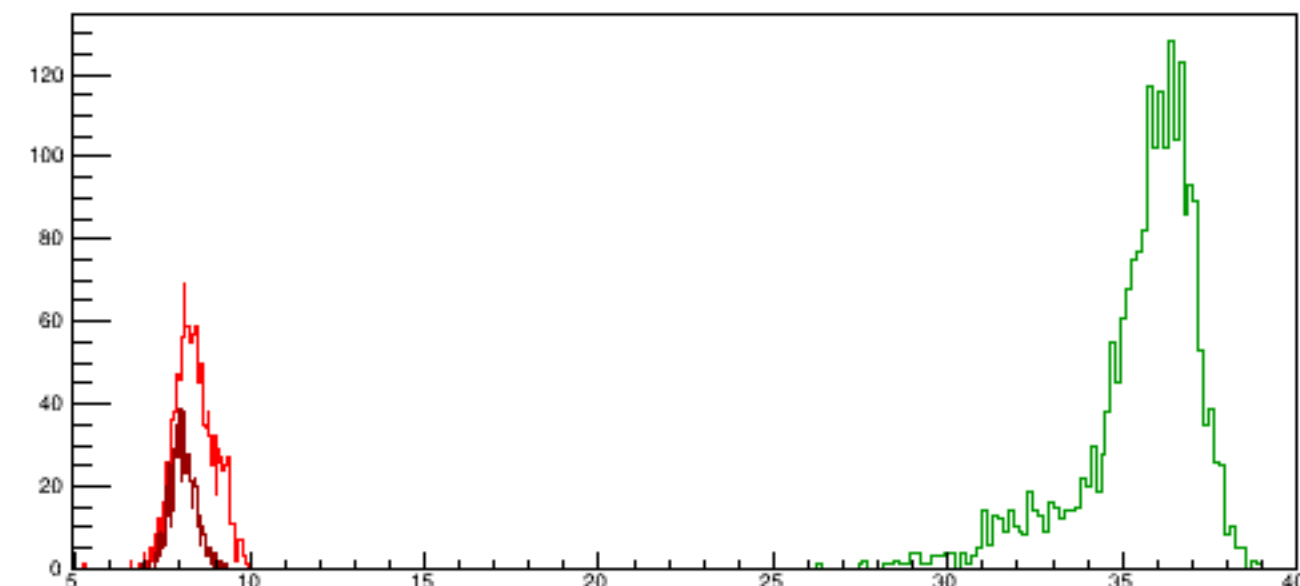
Std Dev: 1.7288 +/- 0.0262

Entries: 928

Mean: 8.0776 +/- 0.0118

Std Dev: 0.3585 +/- 0.0083

Run 5111 quartetwise, Sums



Cycle 16, Asyms

Entries: 1476

Mean: -0.0004 +/- 0.0003

Std Dev: 0.0126 +/- 0.0002

Entries: 2175

Mean: 0.0311 +/- 0.0005

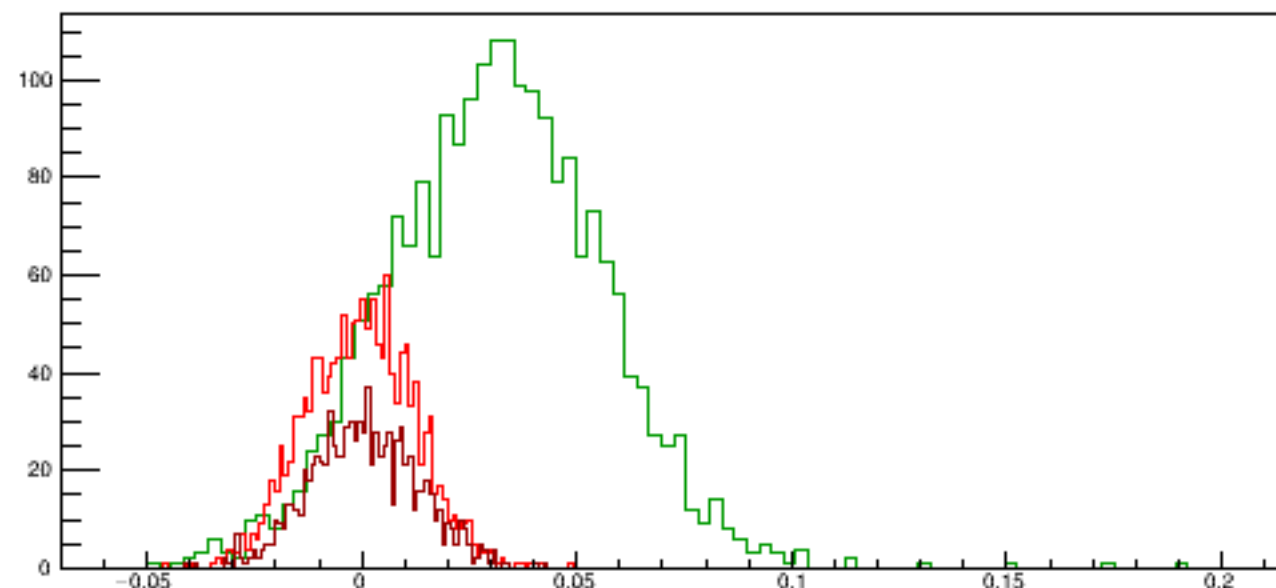
Std Dev: 0.0250 +/- 0.0004

Entries: 928

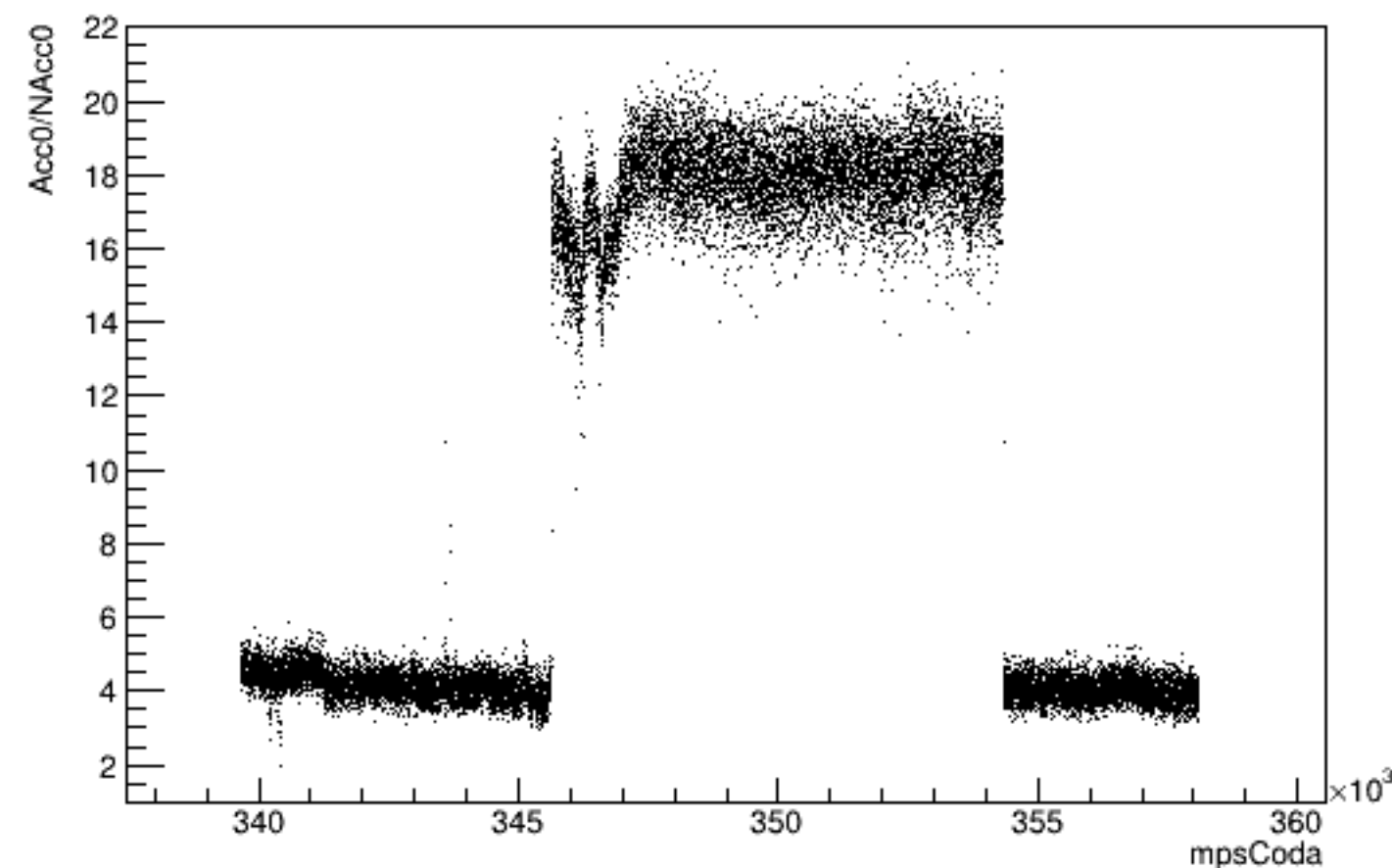
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0126 +/- 0.0003

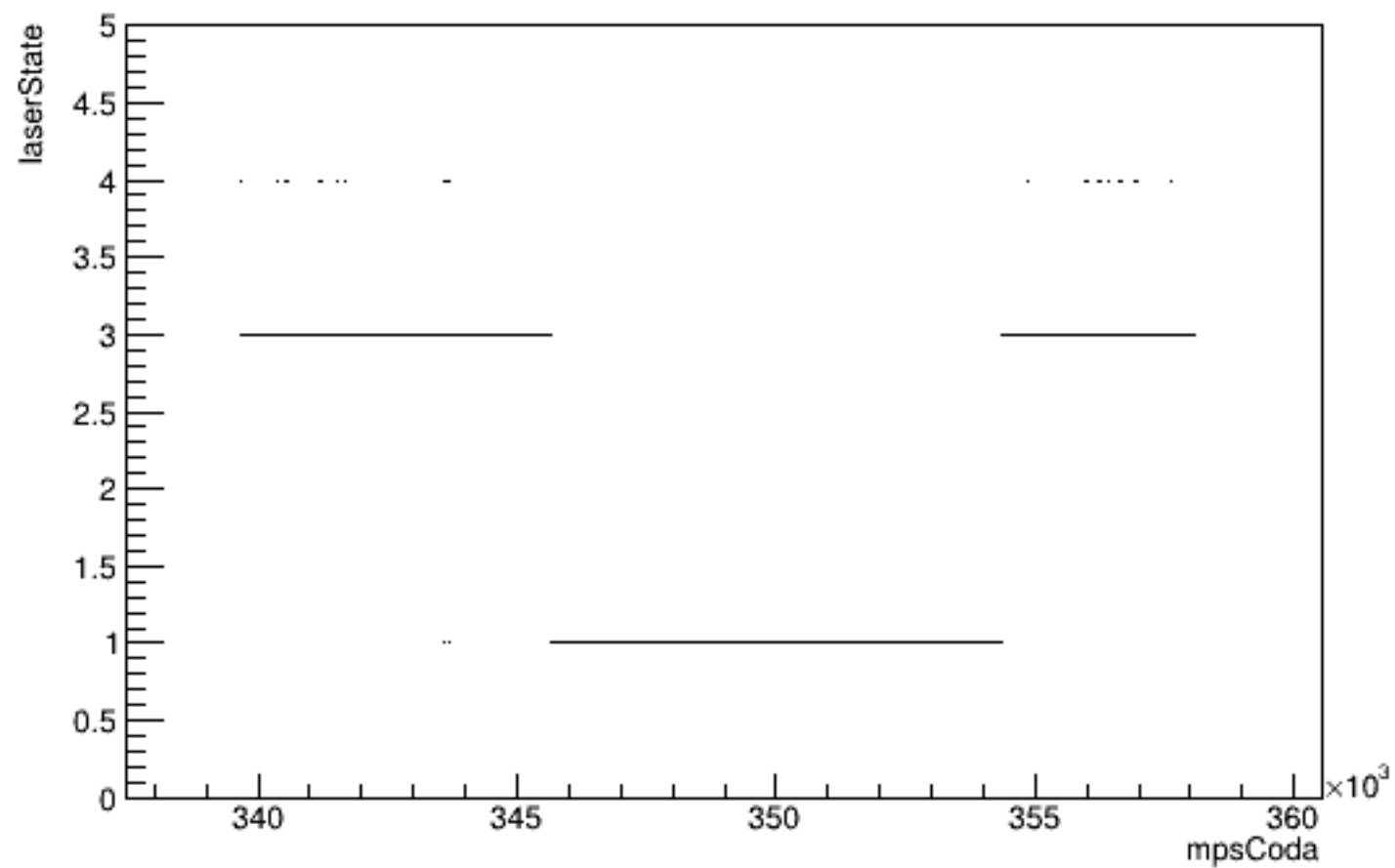
Run 5111 quartetwise, Asyms



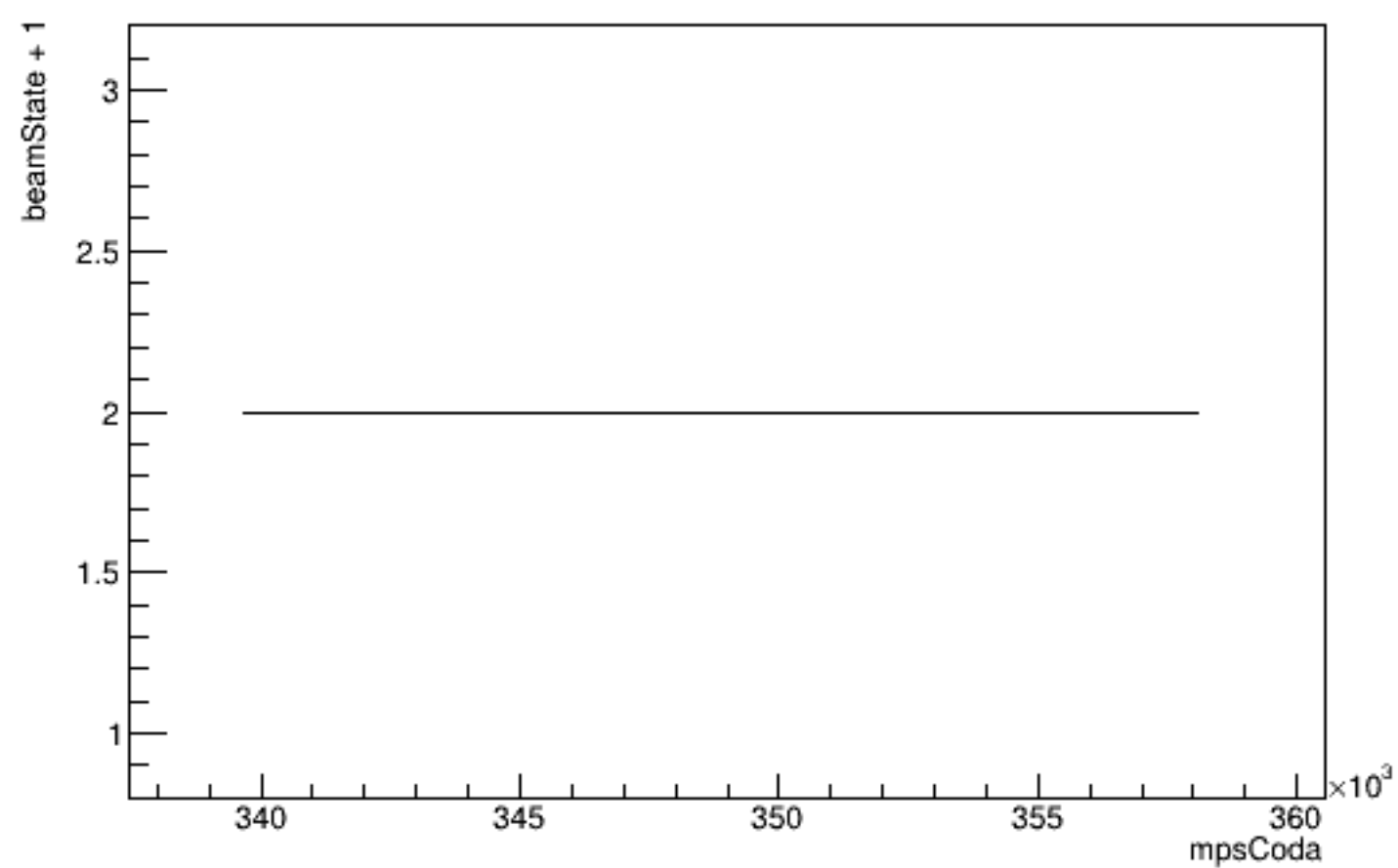
Acc0/NAcc0:mpsCoda (mpsCoda>=339654 && mpsCoda<=358097 && beamState==1)



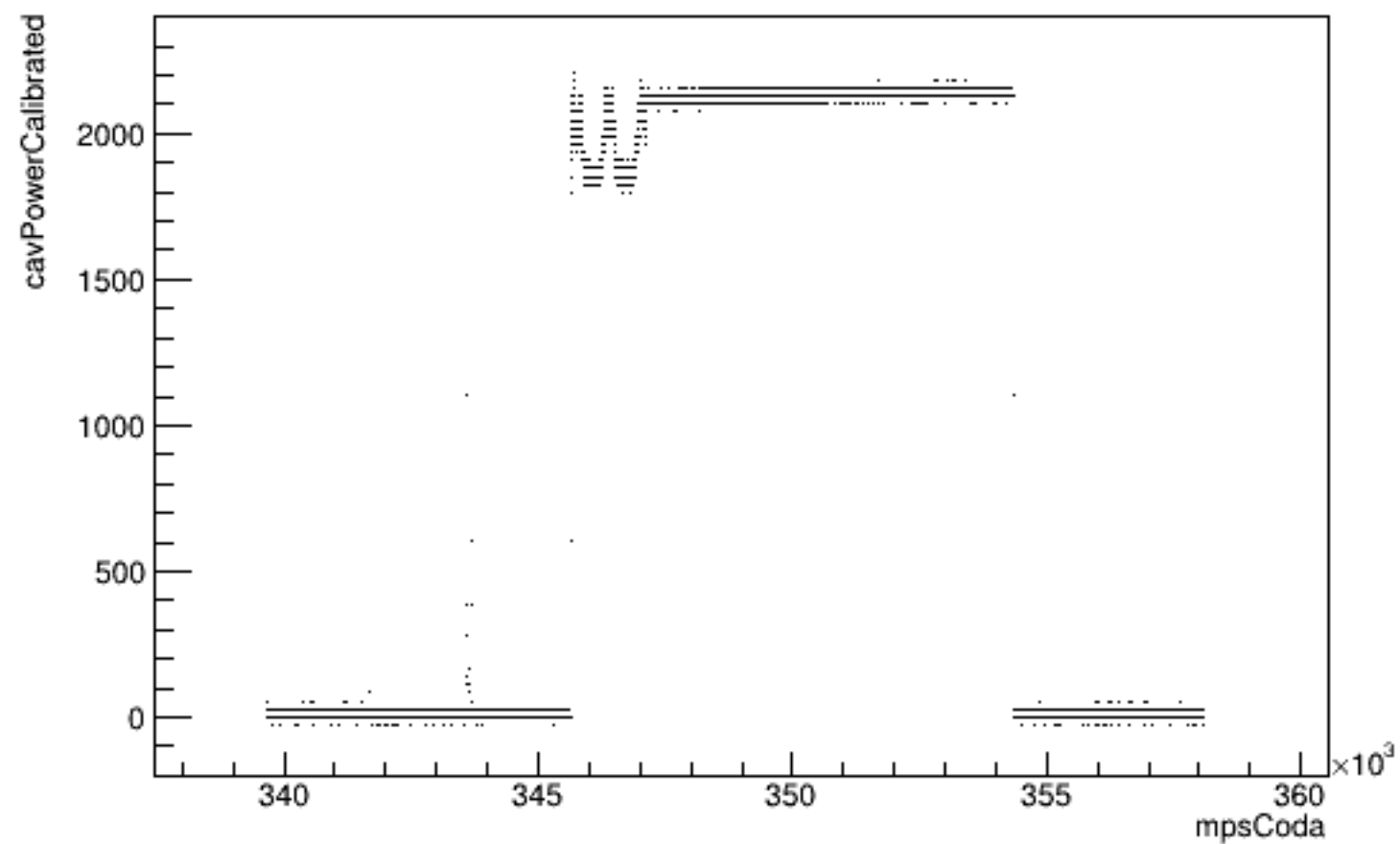
laserState:mpsCoda {mpsCoda>=339654 && mpsCoda<=358097}



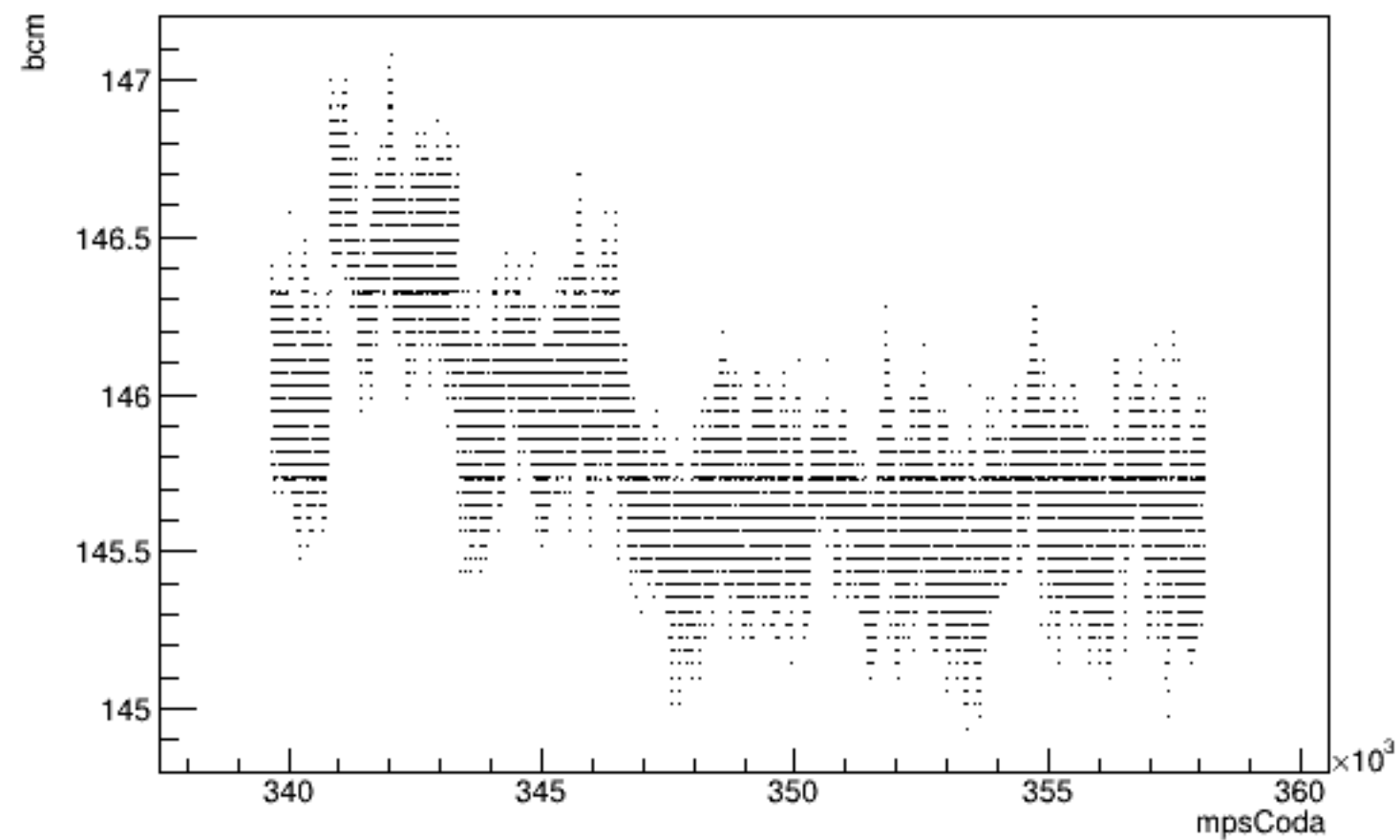
beamState + 1:mpsCoda {mpsCoda>=339654 && mpsCoda<=358097}



cavPowerCalibrated:mpsCoda {mpsCoda>=339654 && mpsCoda<=358097}



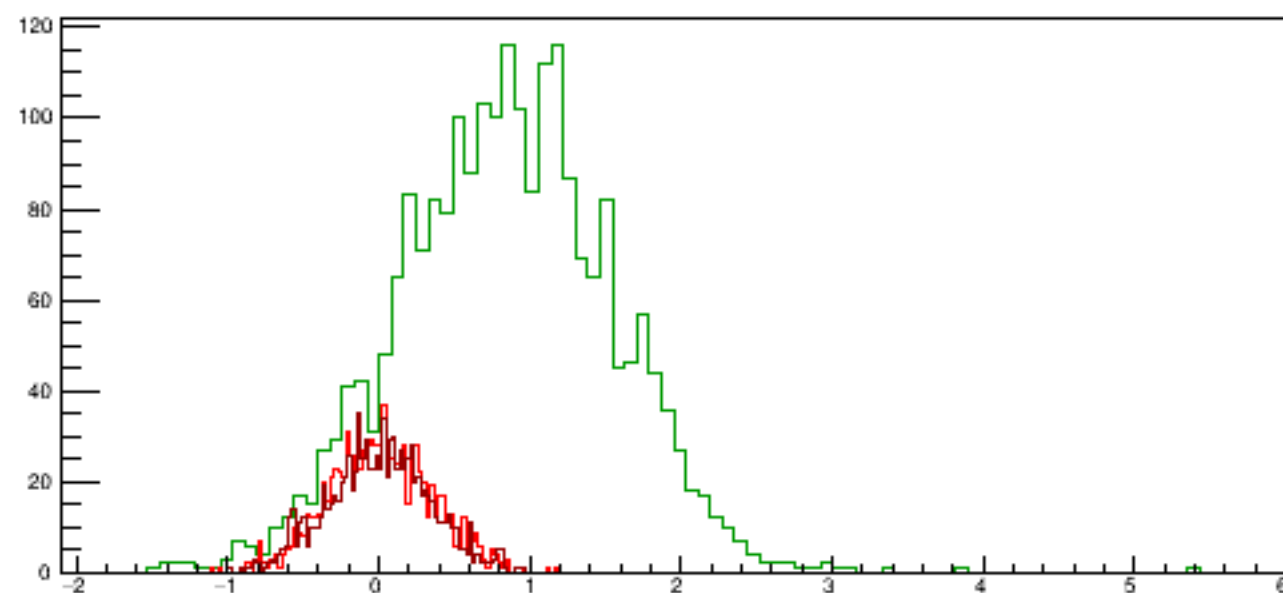
bcm:mpsCoda {mpsCoda>=339654 && mpsCoda<=358097}



Cycle 17, Diffs

Entries: 928	Entries: 2243	Entries: 991
Mean: 0.0146 +/- 0.0113	Mean: 0.8406 +/- 0.0148	Mean: 0.0039 +/- 0.0107
Std Dev: 0.3433 +/- 0.0080	Std Dev: 0.7000 +/- 0.0105	Std Dev: 0.3362 +/- 0.0076

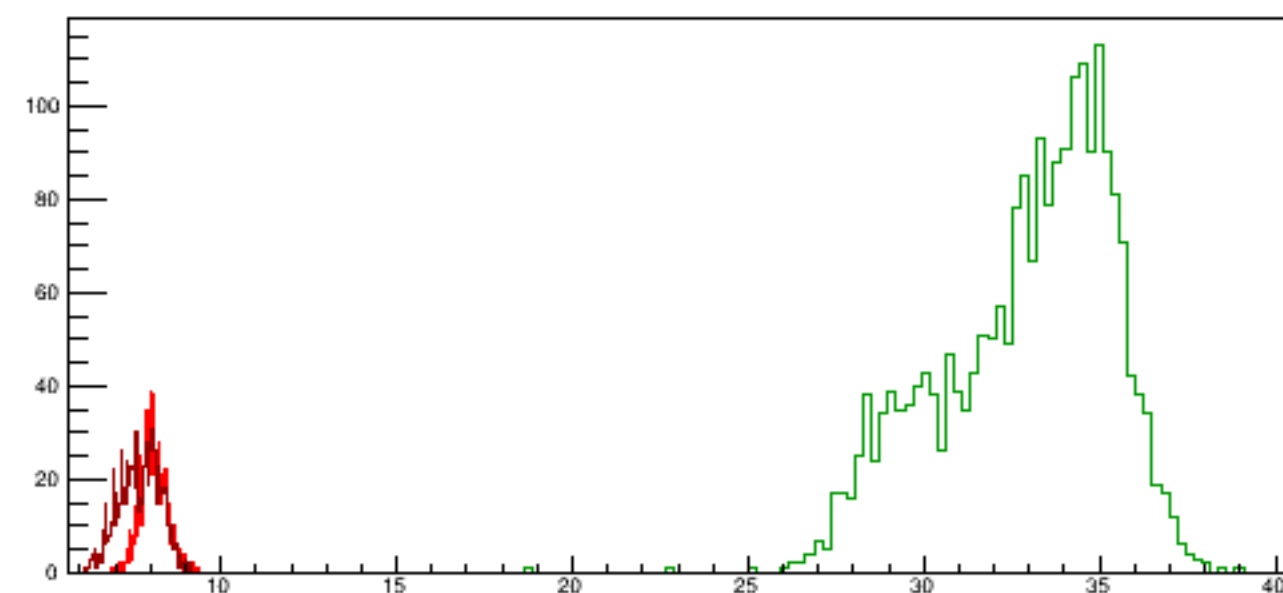
Run 5111 quartetwise, Diffs



Cycle 17, Sums

Entries: 928	Entries: 2243	Entries: 991
Mean: 8.0776 +/- 0.0118	Mean: 32.9064 +/- 0.0518	Mean: 7.6936 +/- 0.0185
Std Dev: 0.3585 +/- 0.0083	Std Dev: 2.4514 +/- 0.0366	Std Dev: 0.5813 +/- 0.0131

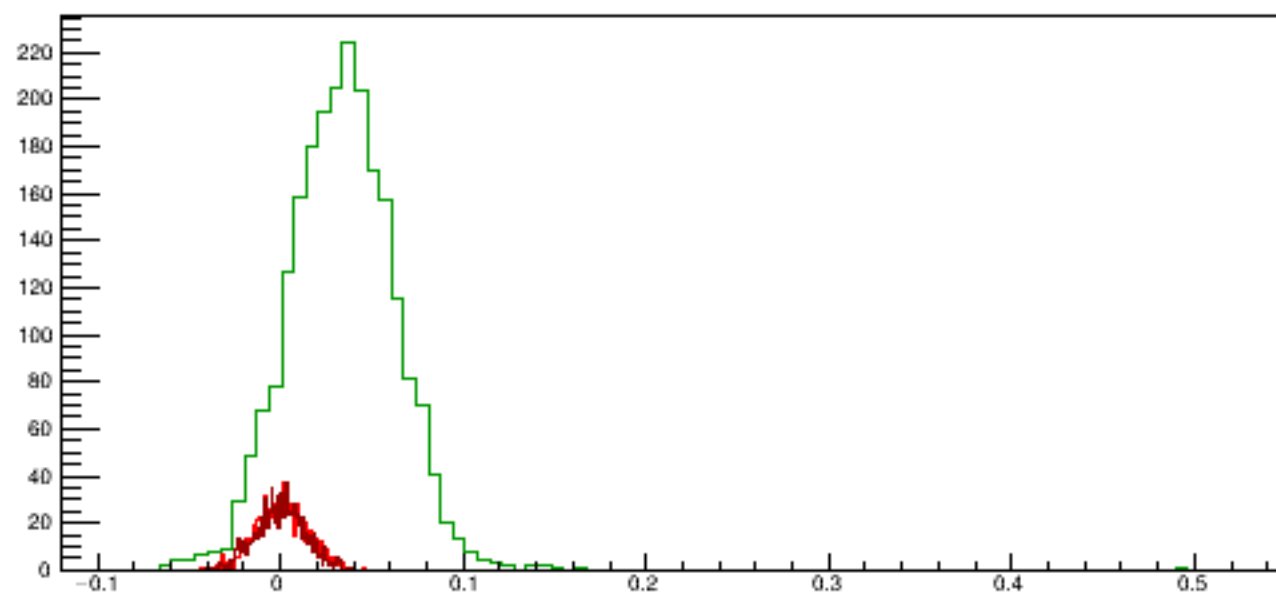
Run 5111 quartetwise, Sums



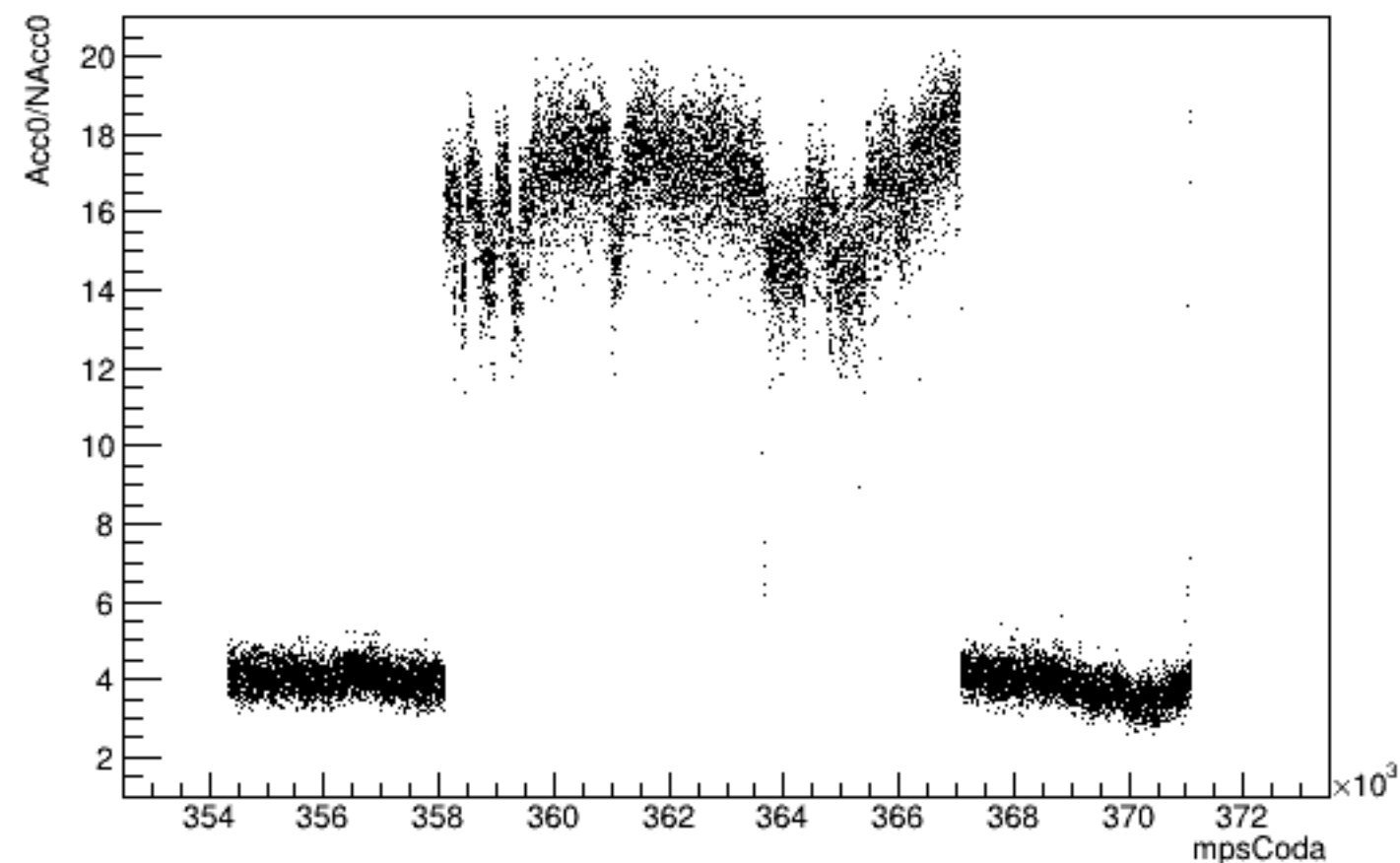
Cycle 17, Asyms

Entries: 928	Entries: 2243	Entries: 991
Mean: 0.0006 +/- 0.0005	Mean: 0.0339 +/- 0.0006	Mean: 0.0002 +/- 0.0004
Std Dev: 0.0137 +/- 0.0003	Std Dev: 0.0301 +/- 0.0004	Std Dev: 0.0134 +/- 0.0003

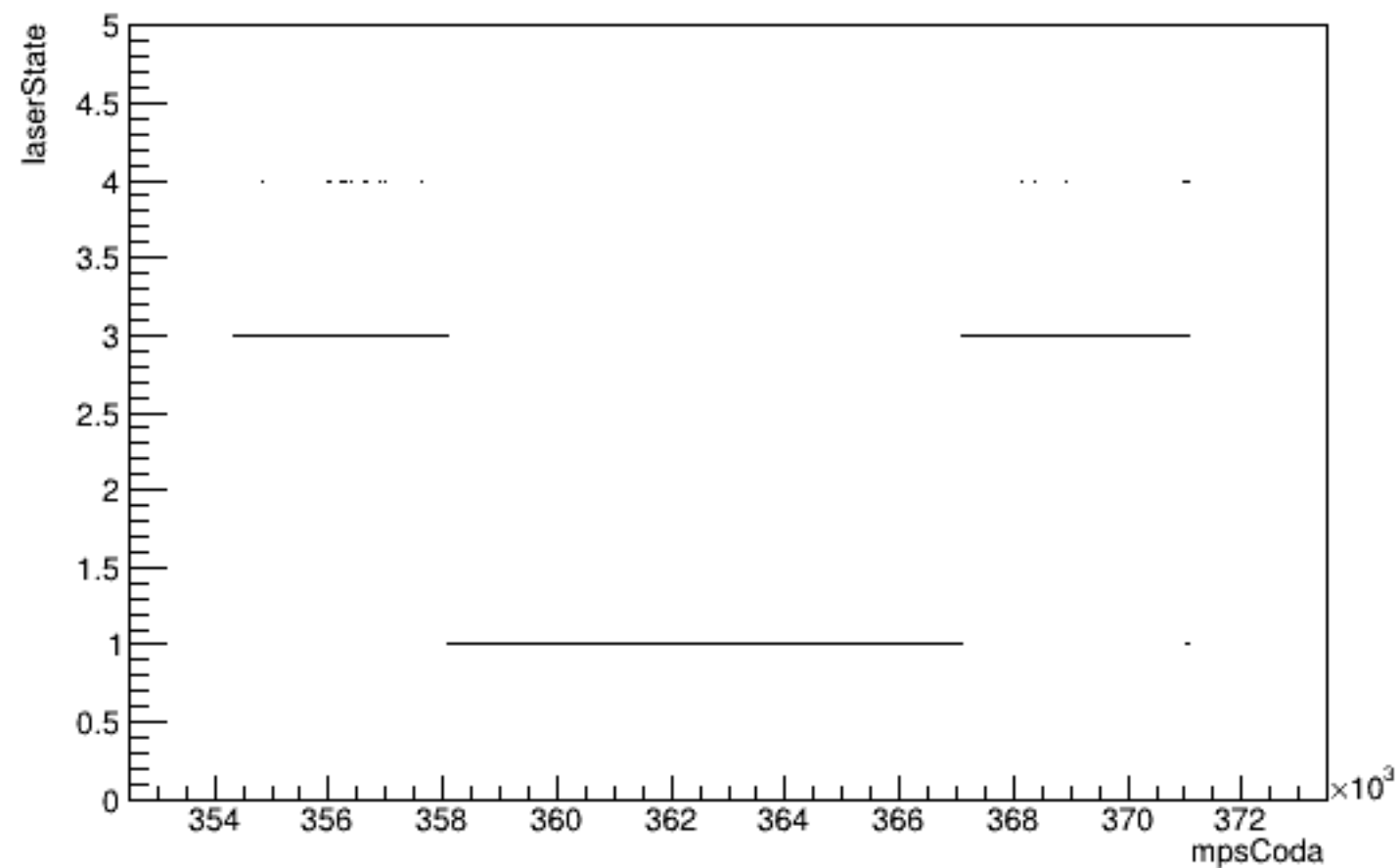
Run 5111 quartetwise, Asyms



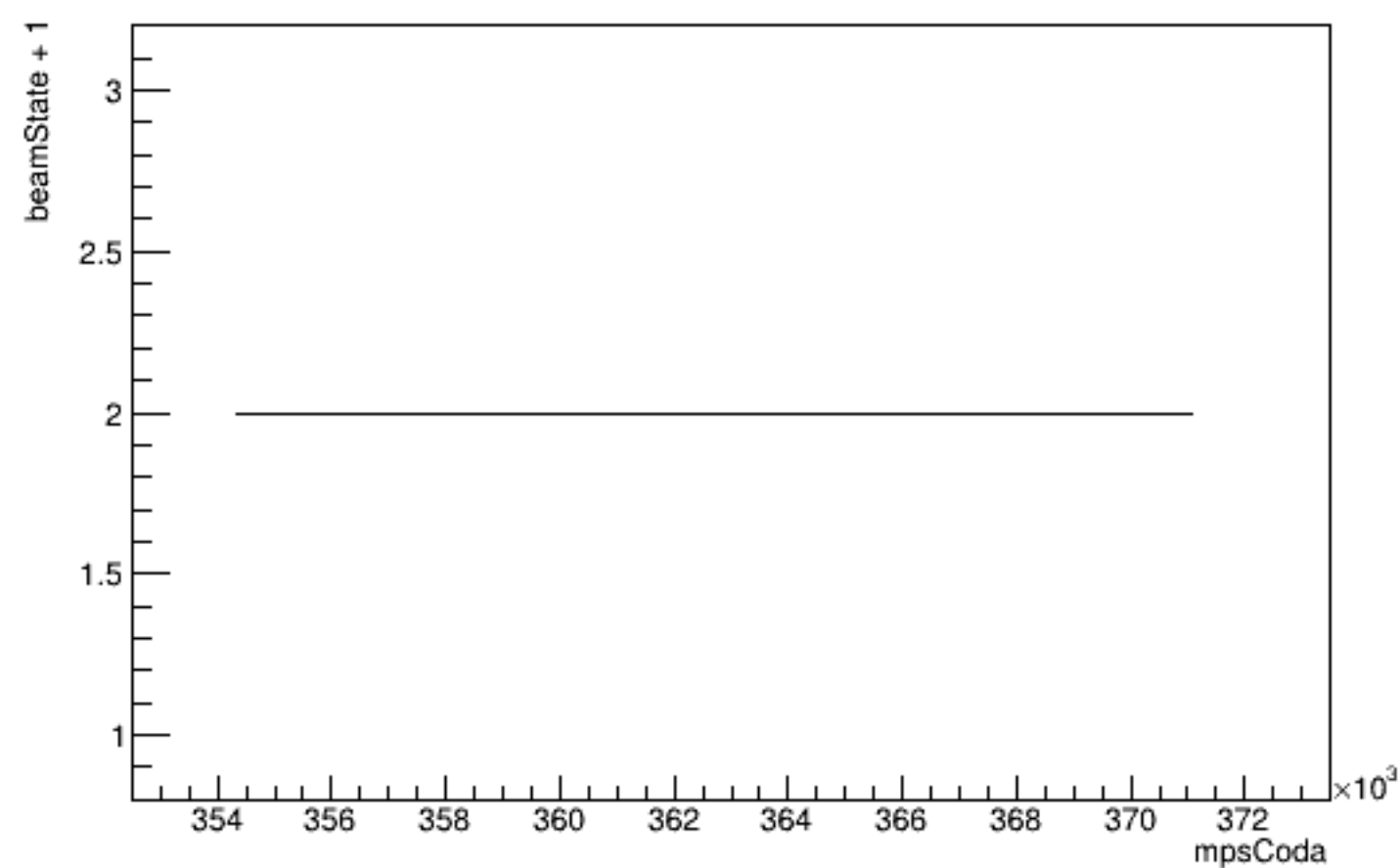
Acc0/NAcc0:mpsCoda (mpsCoda>=354334 && mpsCoda<=371077 && beamState==1)



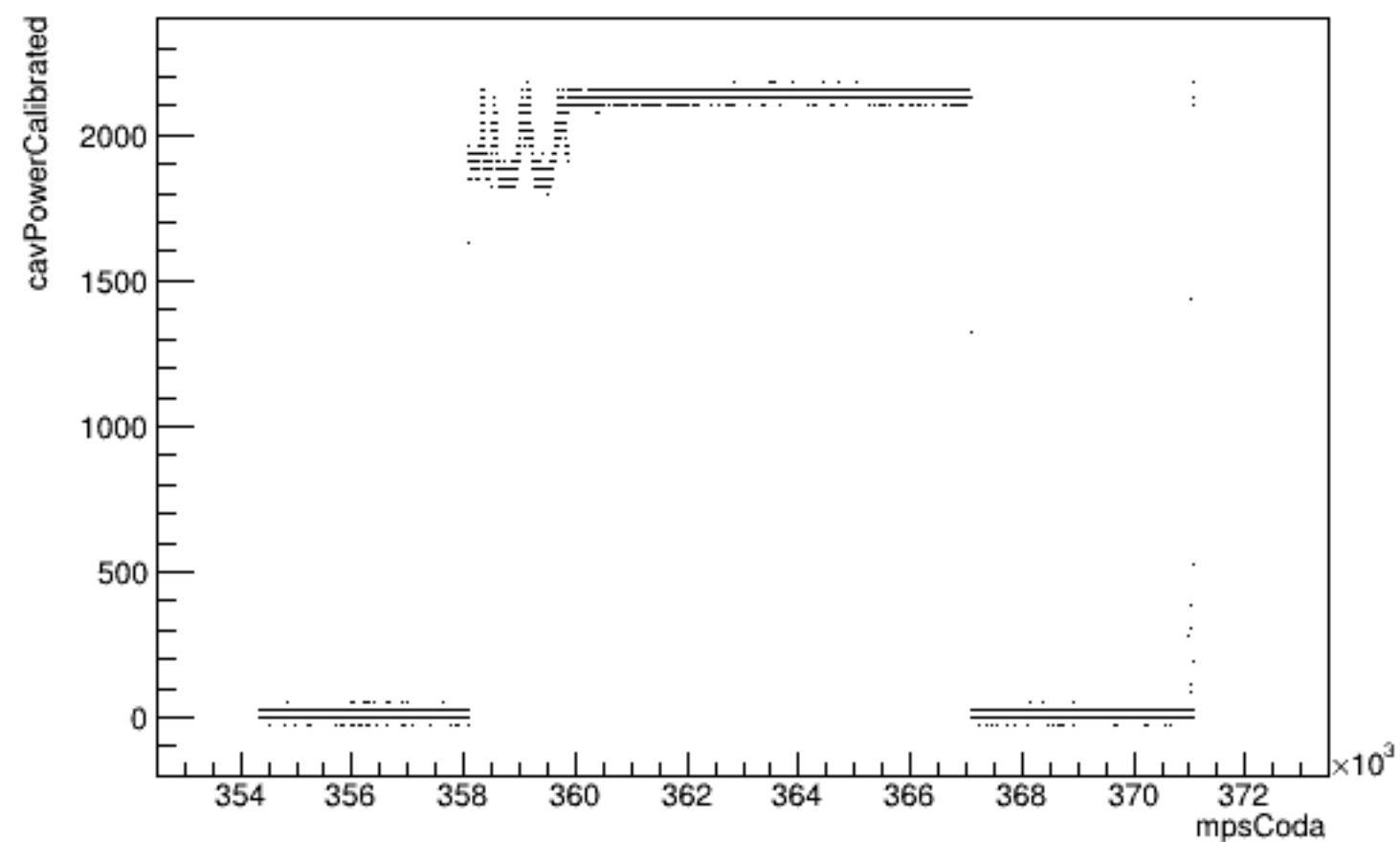
laserState:mpsCoda {mpsCoda>=354334 && mpsCoda<=371077}



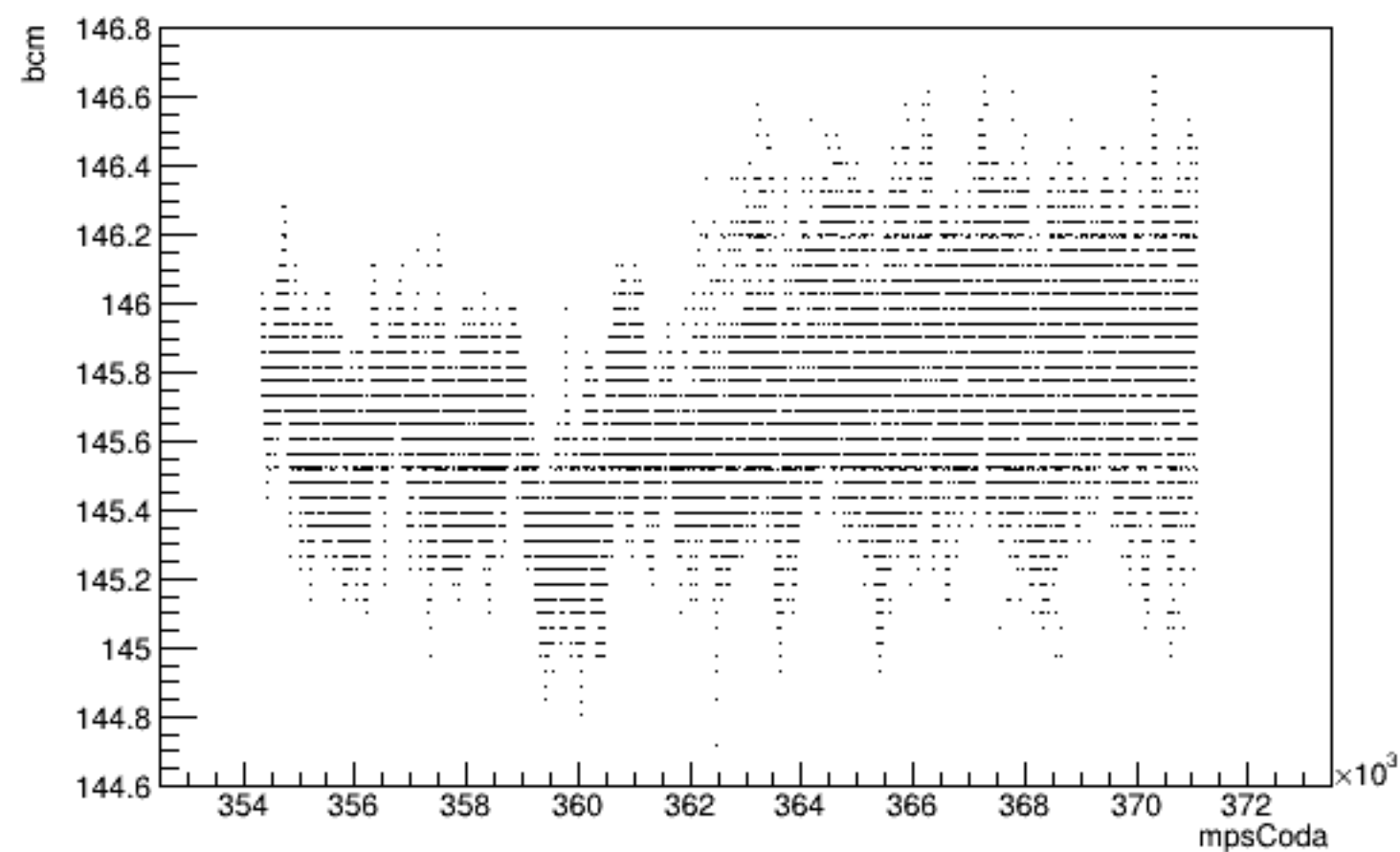
beamState + 1:mpsCoda {mpsCoda>=354334 && mpsCoda<=371077}



cavPowerCalibrated:mpsCoda {mpsCoda>=354334 && mpsCoda<=371077}



bcm:mpsCoda {mpsCoda>=354334 && mpsCoda<=371077}



Cycle 18, Diffs

Entries: 1902

Mean: 0.0110 +/- 0.0080

Std Dev: 0.3510 +/- 0.0057

Entries: 2212

Mean: 0.8672 +/- 0.0143

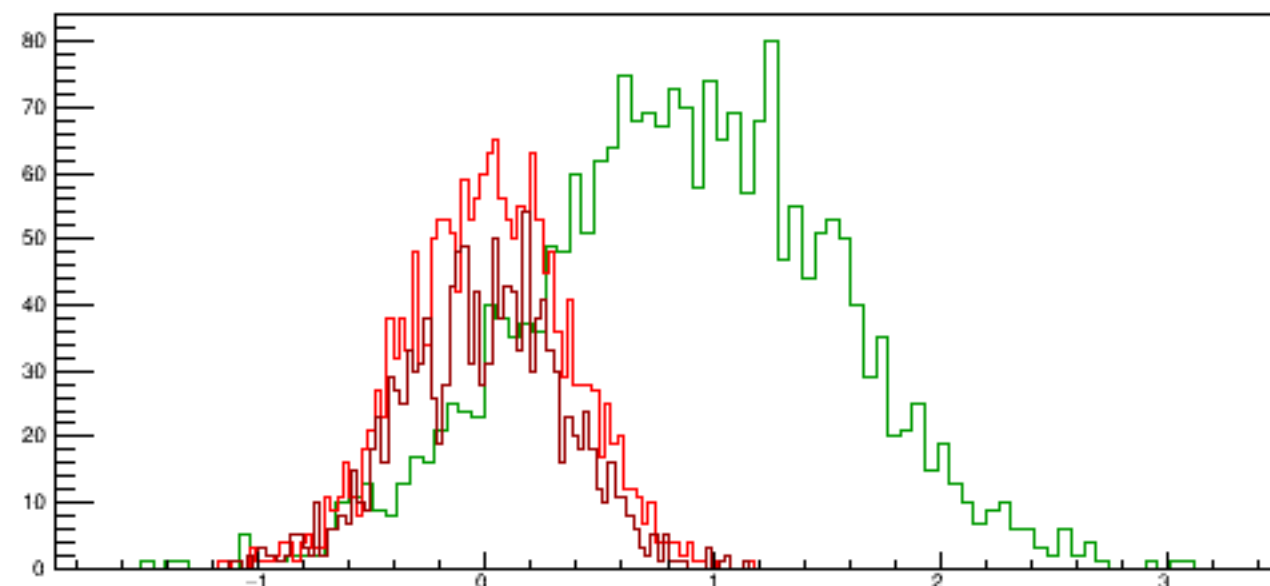
Std Dev: 0.6720 +/- 0.0101

Entries: 1368

Mean: -0.0145 +/- 0.0096

Std Dev: 0.3546 +/- 0.0068

Run 5111 quartetwise, Diffs



Cycle 18, Sums

Entries: 1902

Mean: 8.9249 +/- 0.0083

Std Dev: 0.3623 +/- 0.0059

Entries: 2212

Mean: 36.8565 +/- 0.0331

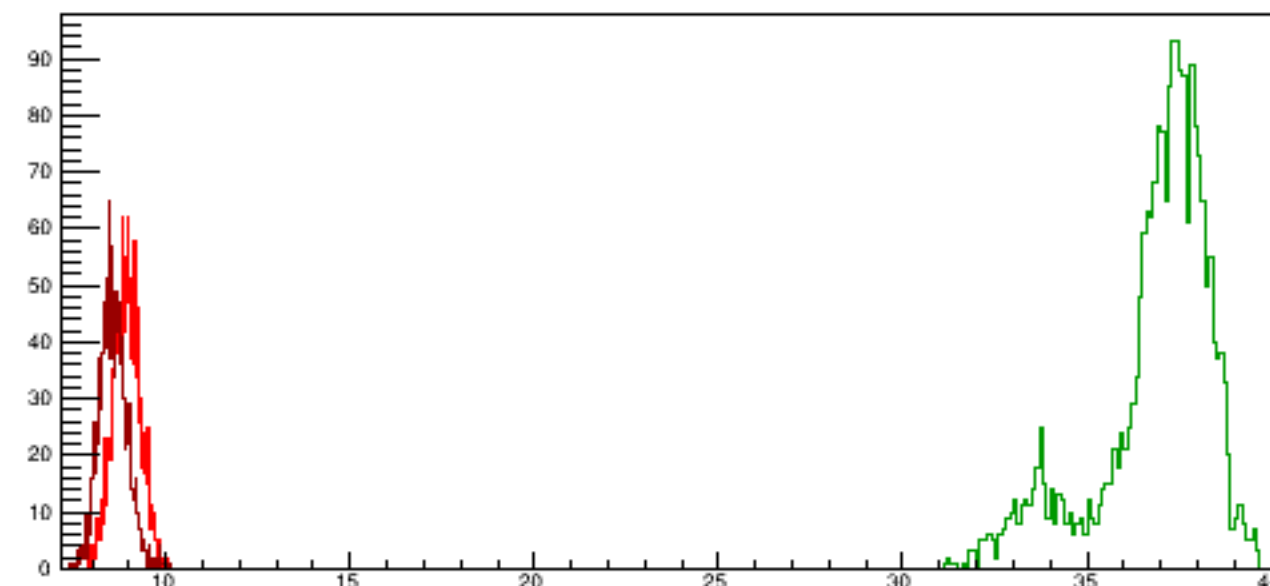
Std Dev: 1.5576 +/- 0.0234

Entries: 1368

Mean: 8.5704 +/- 0.0103

Std Dev: 0.3813 +/- 0.0073

Run 5111 quartetwise, Sums



Cycle 18, Asyms

Entries: 1902

Mean: 0.0004 +/- 0.0003

Std Dev: 0.0125 +/- 0.0002

Entries: 2212

Mean: 0.0308 +/- 0.0005

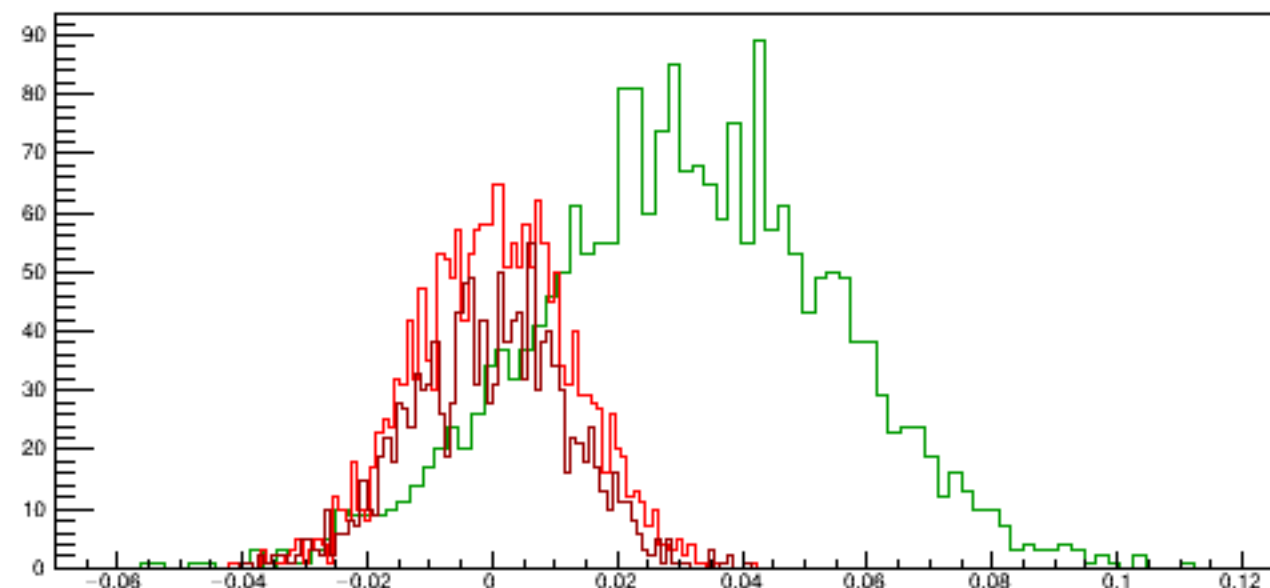
Std Dev: 0.0239 +/- 0.0004

Entries: 1368

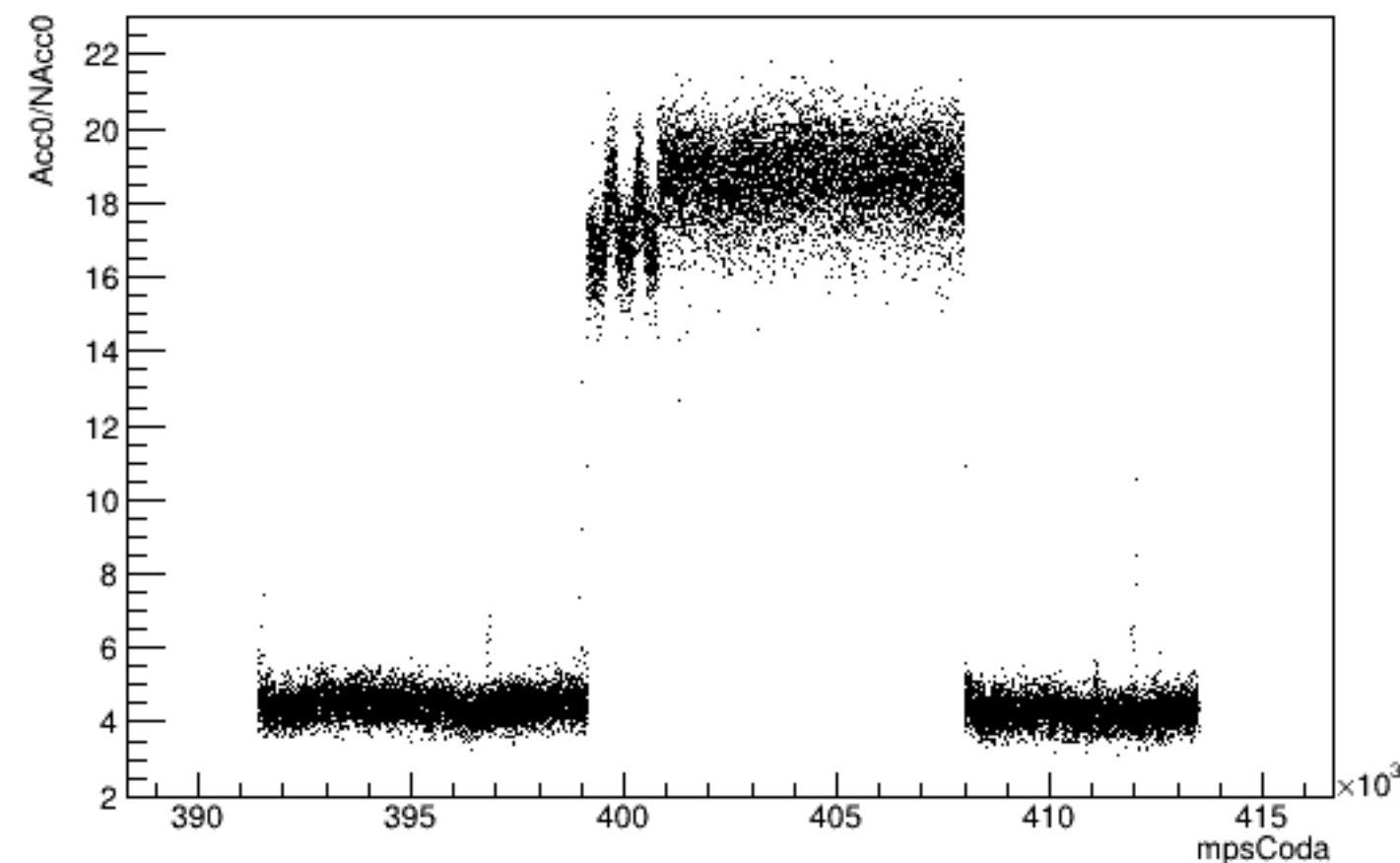
Mean: -0.0005 +/- 0.0003

Std Dev: 0.0126 +/- 0.0002

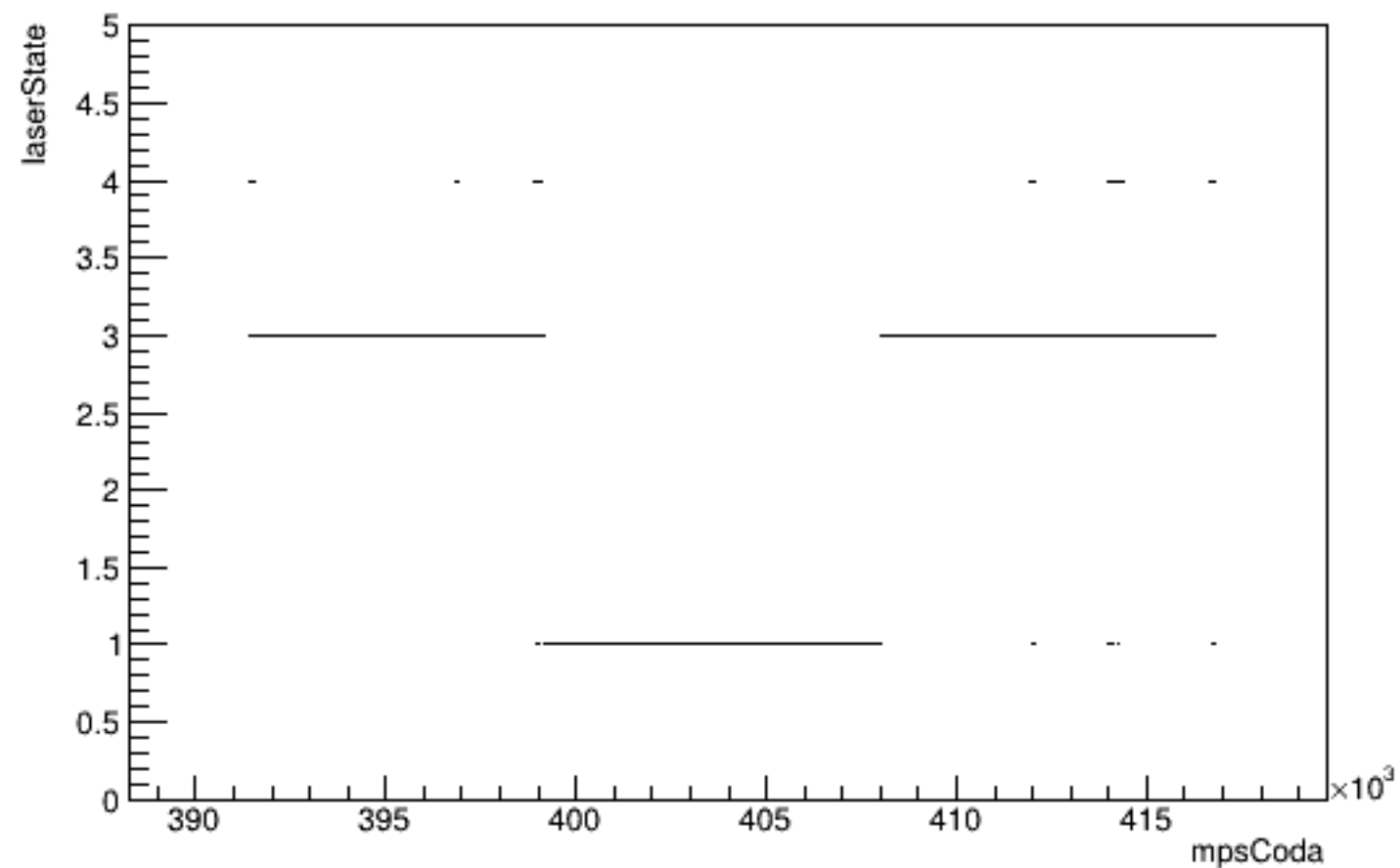
Run 5111 quartetwise, Asyms



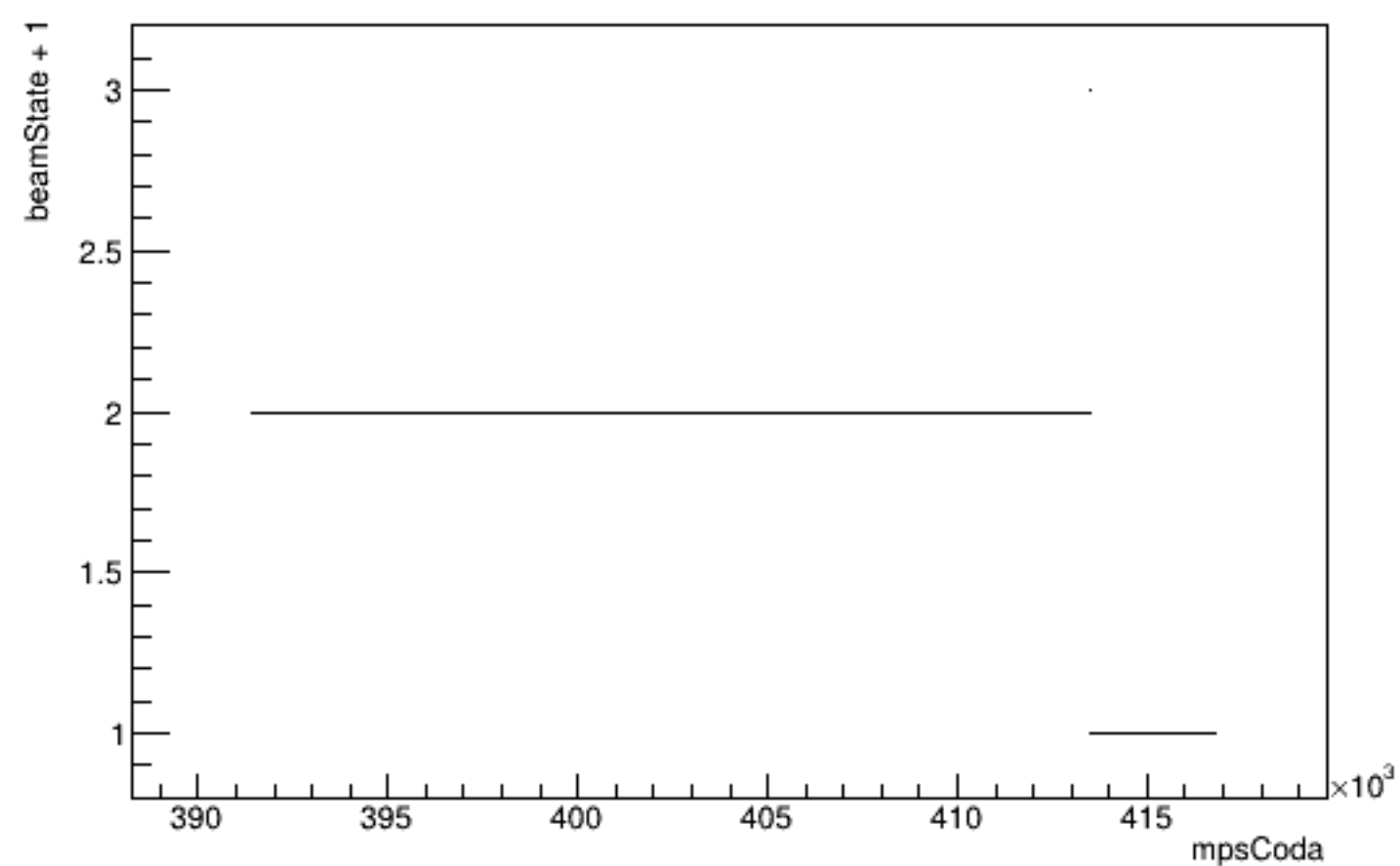
Acc0/NAcc0:mpsCoda (mpsCoda>=391414 && mpsCoda<=416817 && beamState==1)



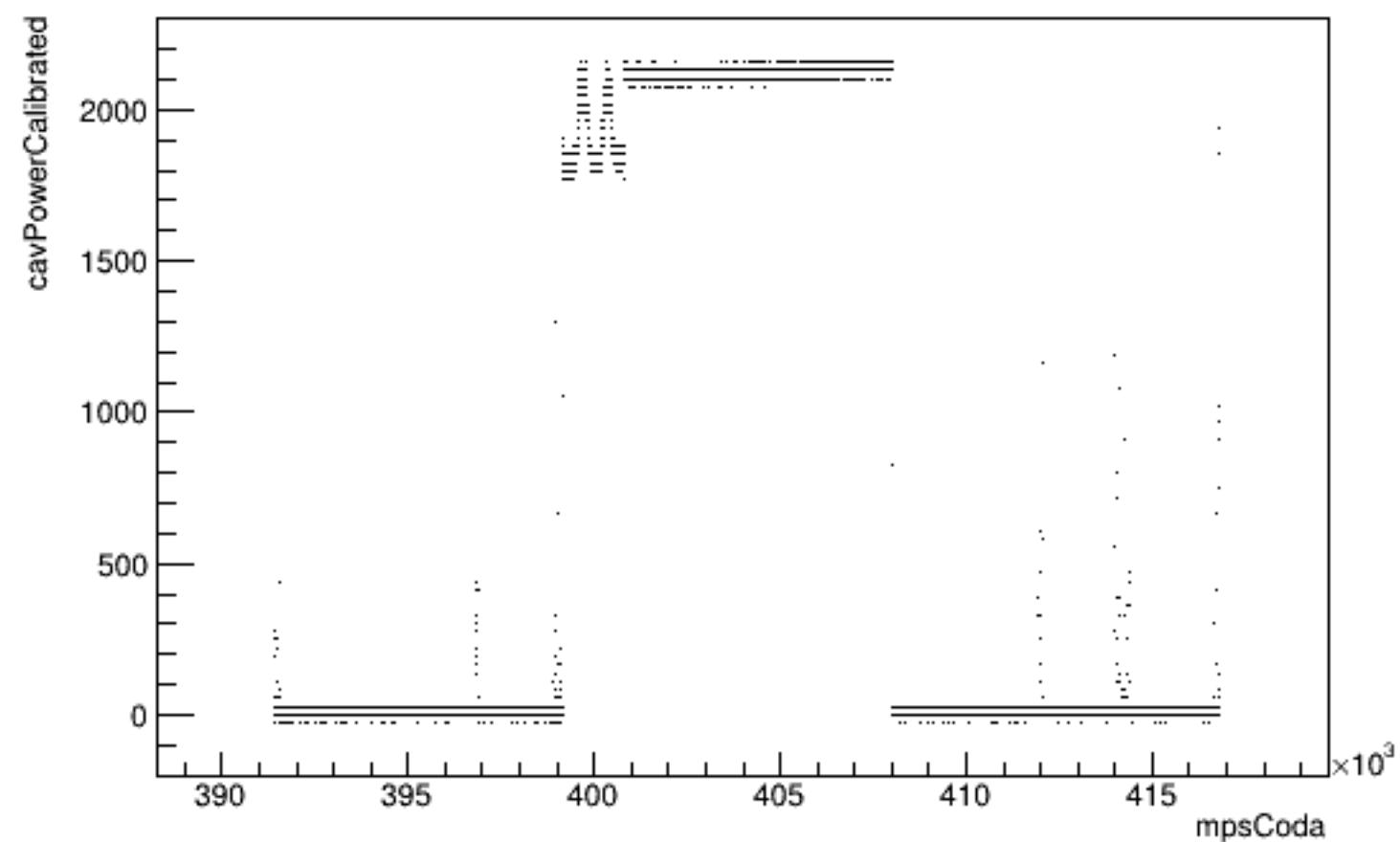
laserState:mpsCoda {mpsCoda>=391414 && mpsCoda<=416817}



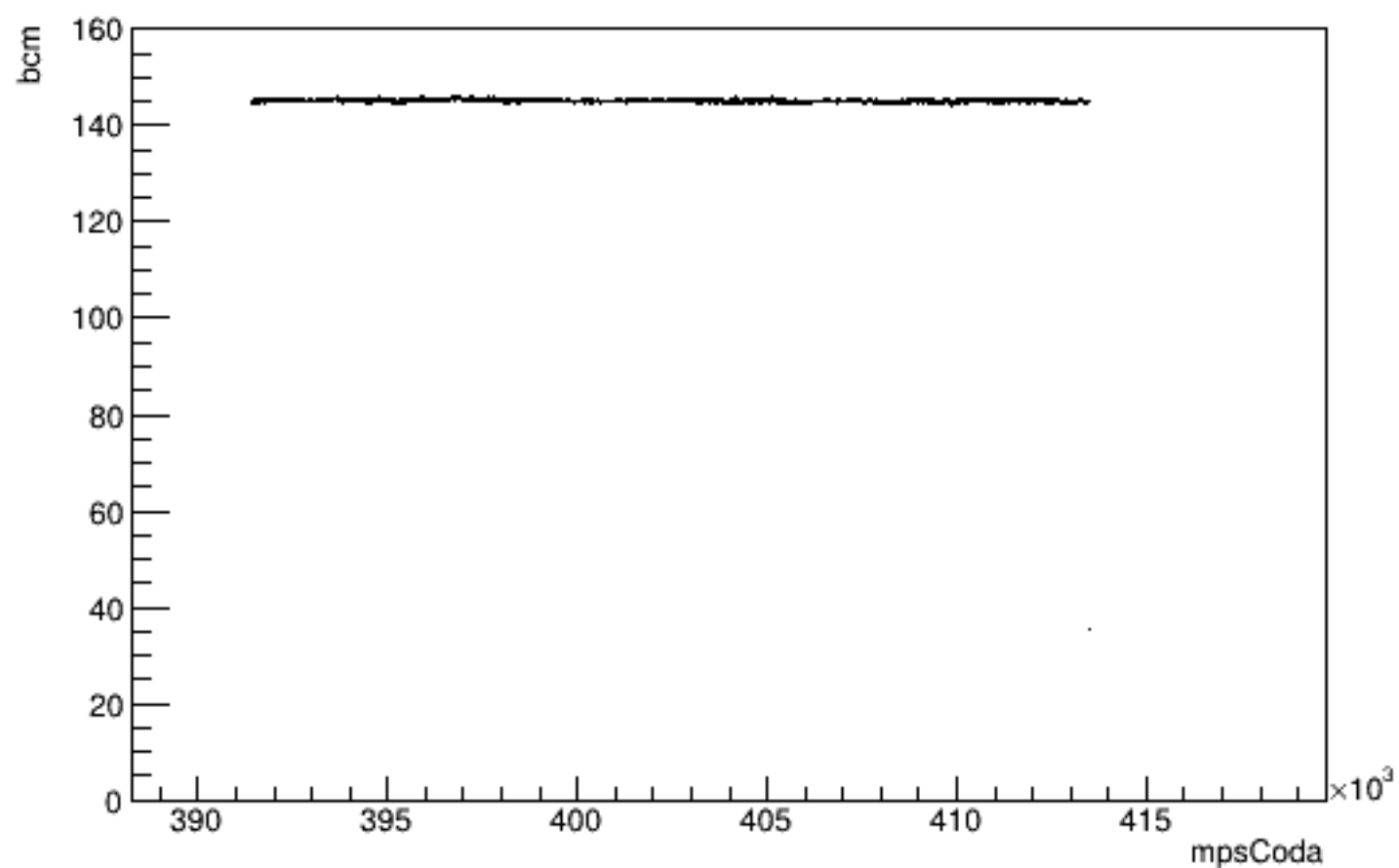
beamState + 1:mpsCoda {mpsCoda>=391414 && mpsCoda<=416817}



cavPowerCalibrated:mpsCoda {mpsCoda>=391414 && mpsCoda<=416817}



bcm:mpsCoda {mpsCoda>=391414 && mpsCoda<=416817}



Cycle 19, Diffs

Entries: 1368

Mean: -0.0145 +/- 0.0096

Std Dev: 0.3546 +/- 0.0068

Entries: 1208

Mean: 0.8347 +/- 0.0224

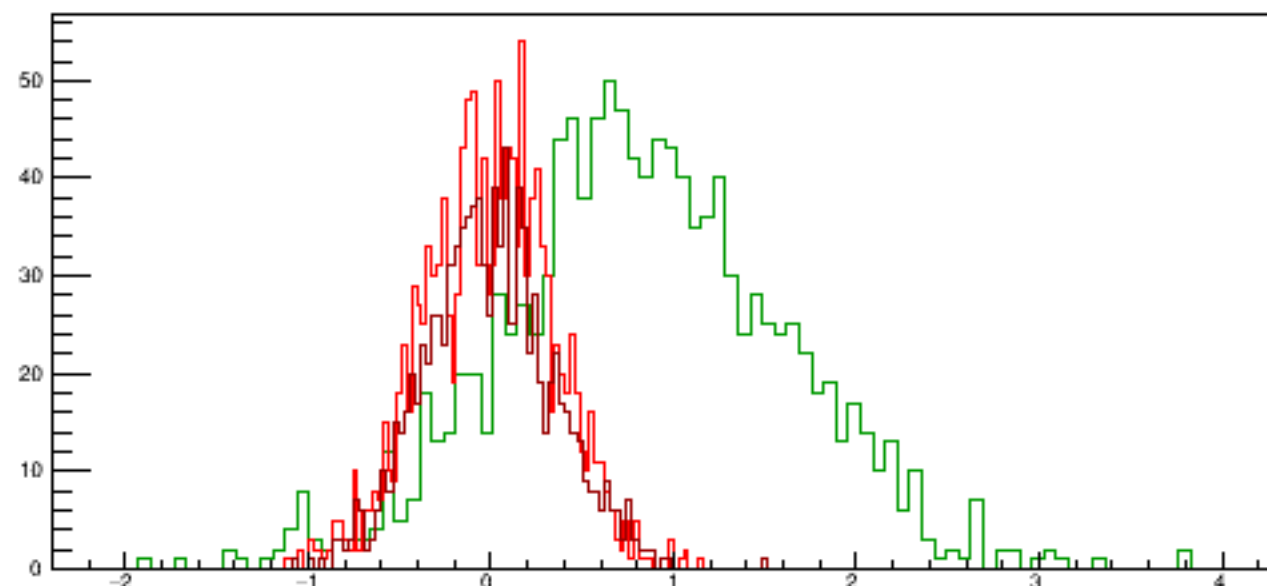
Std Dev: 0.7798 +/- 0.0159

Entries: 996

Mean: -0.0103 +/- 0.0110

Std Dev: 0.3464 +/- 0.0078

Run 5111 quartetwise, Diffs



Cycle 19, Sums

Entries: 1368

Mean: 8.5704 +/- 0.0103

Std Dev: 0.3813 +/- 0.0073

Entries: 1208

Mean: 35.0534 +/- 0.0445

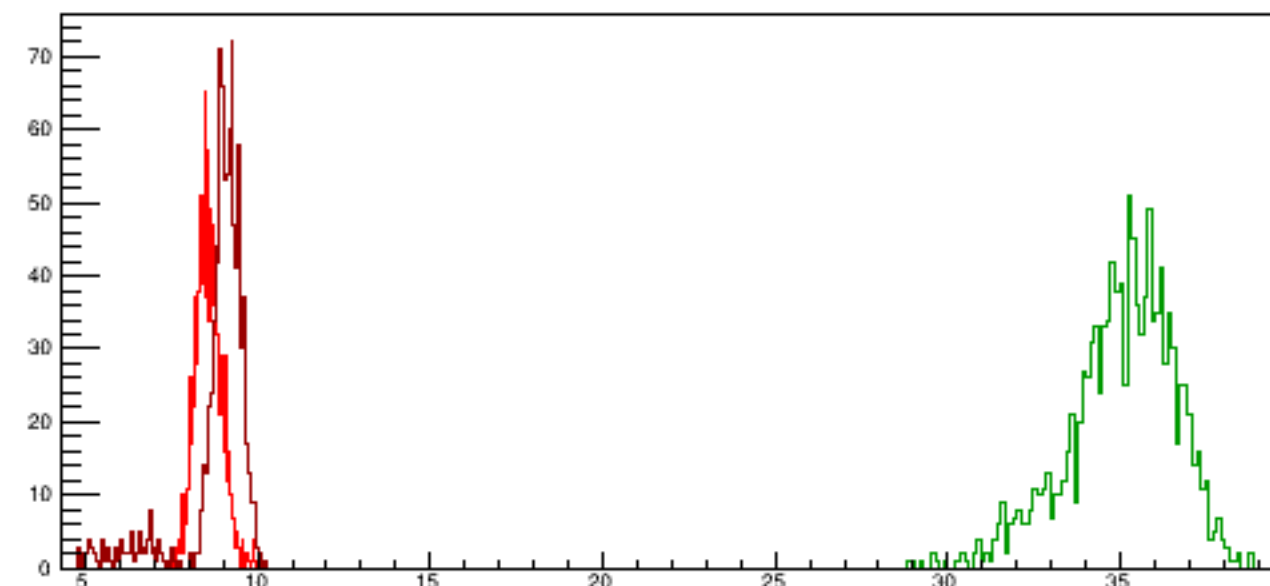
Std Dev: 1.5473 +/- 0.0315

Entries: 996

Mean: 8.8383 +/- 0.0310

Std Dev: 0.9771 +/- 0.0219

Run 5111 quartetwise, Sums



Cycle 19, Asyms

Entries: 1368

Mean: -0.0006 +/- 0.0004

Std Dev: 0.0135 +/- 0.0003

Entries: 1208

Mean: 0.0317 +/- 0.0009

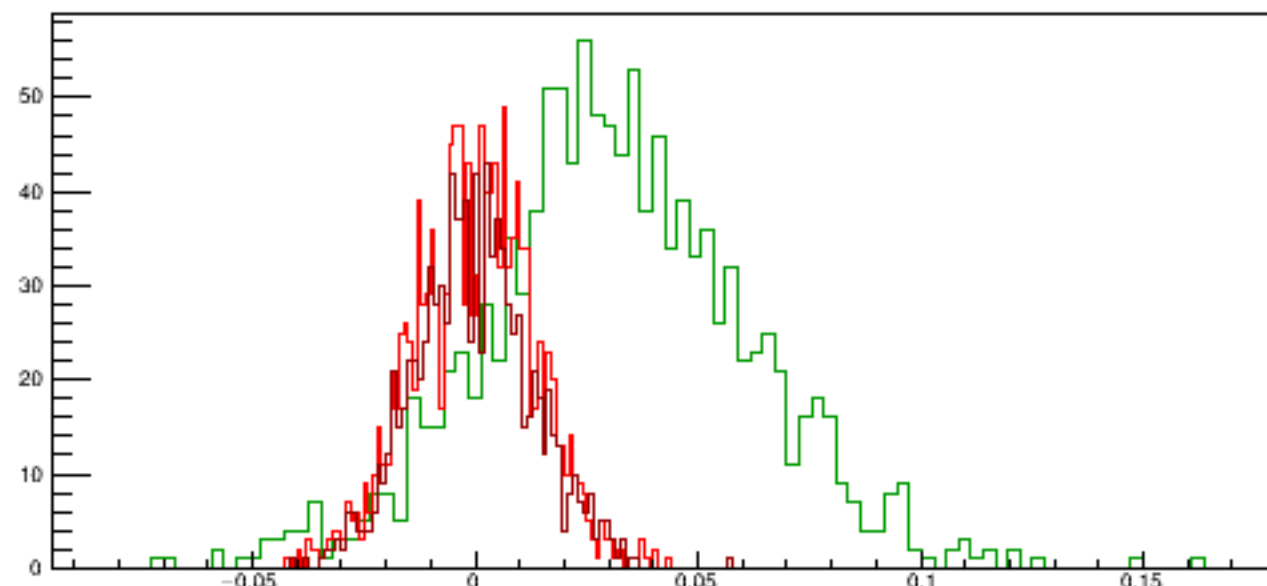
Std Dev: 0.0300 +/- 0.0006

Entries: 996

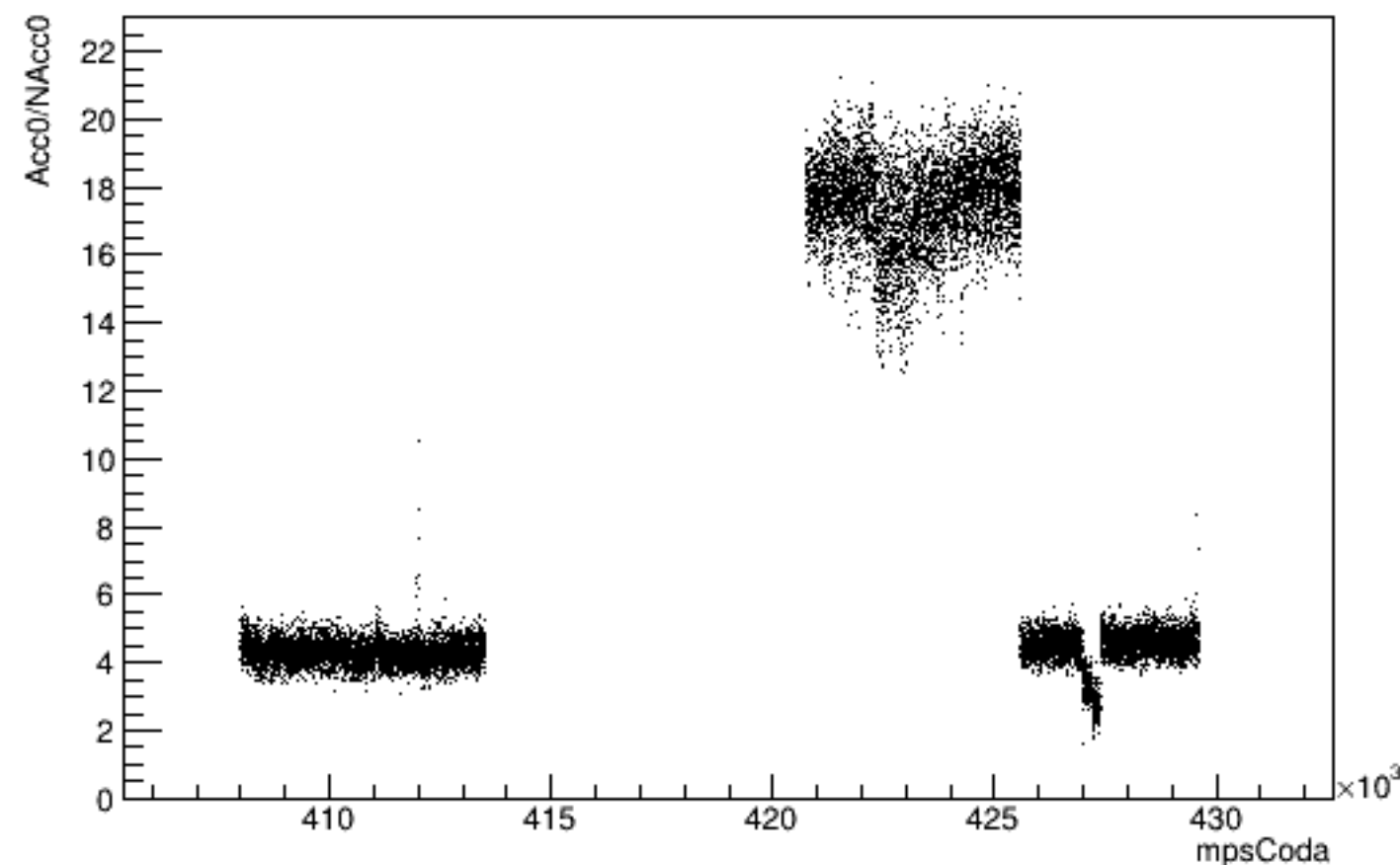
Mean: -0.0004 +/- 0.0004

Std Dev: 0.0131 +/- 0.0003

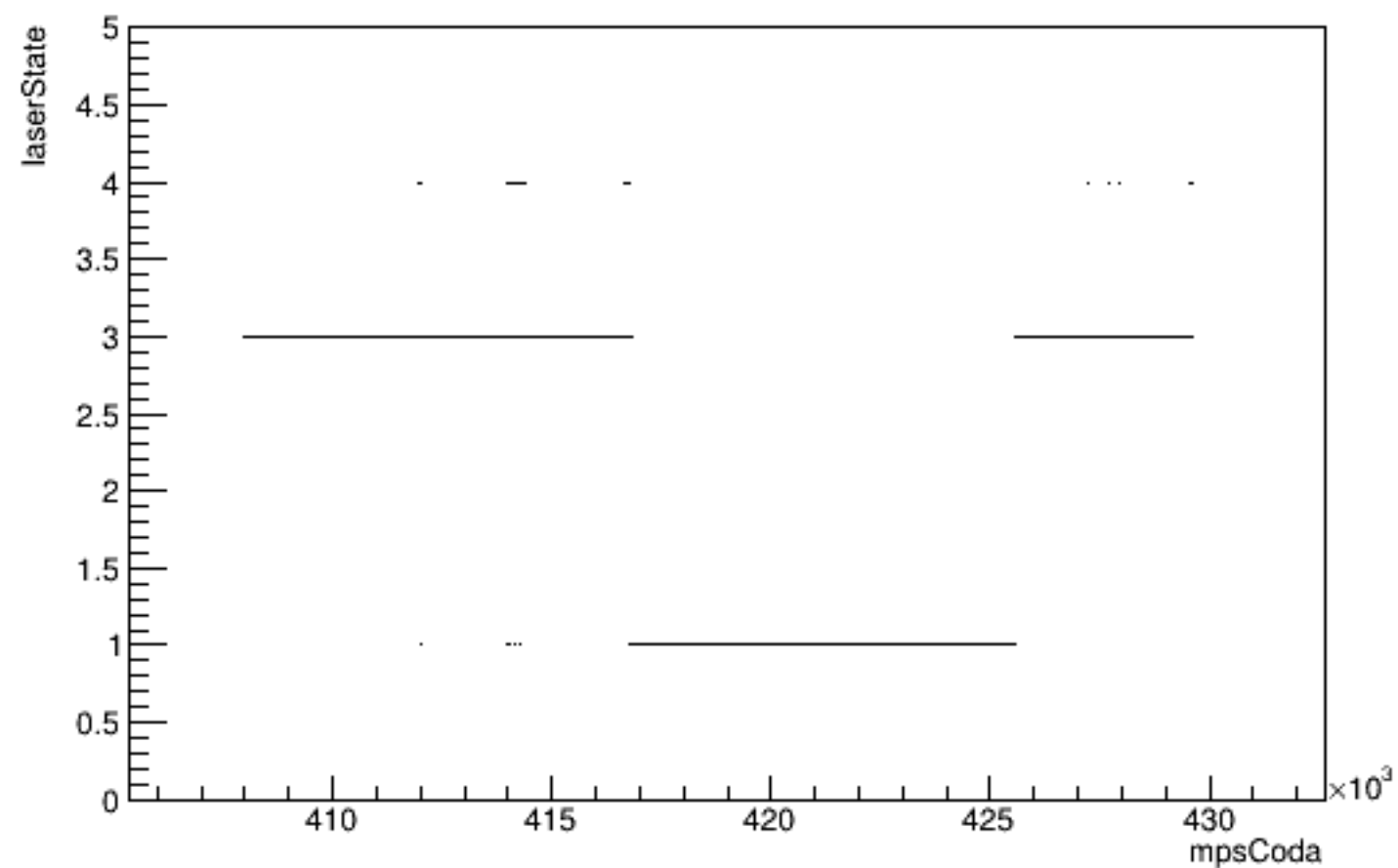
Run 5111 quartetwise, Asyms



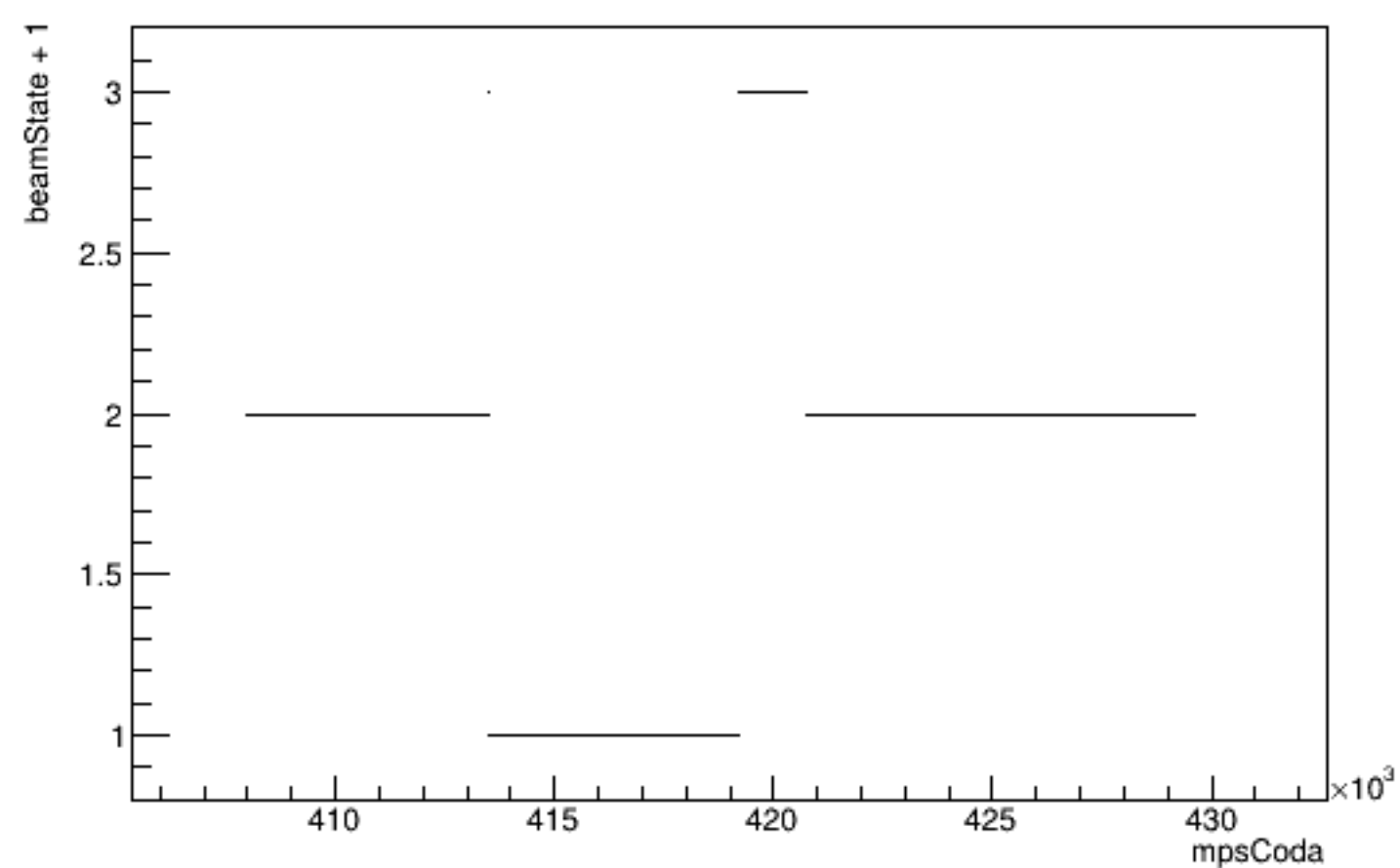
Acc0/NAcc0:mpsCoda (mpsCoda>=407998 && mpsCoda<=429601 && beamState==1)



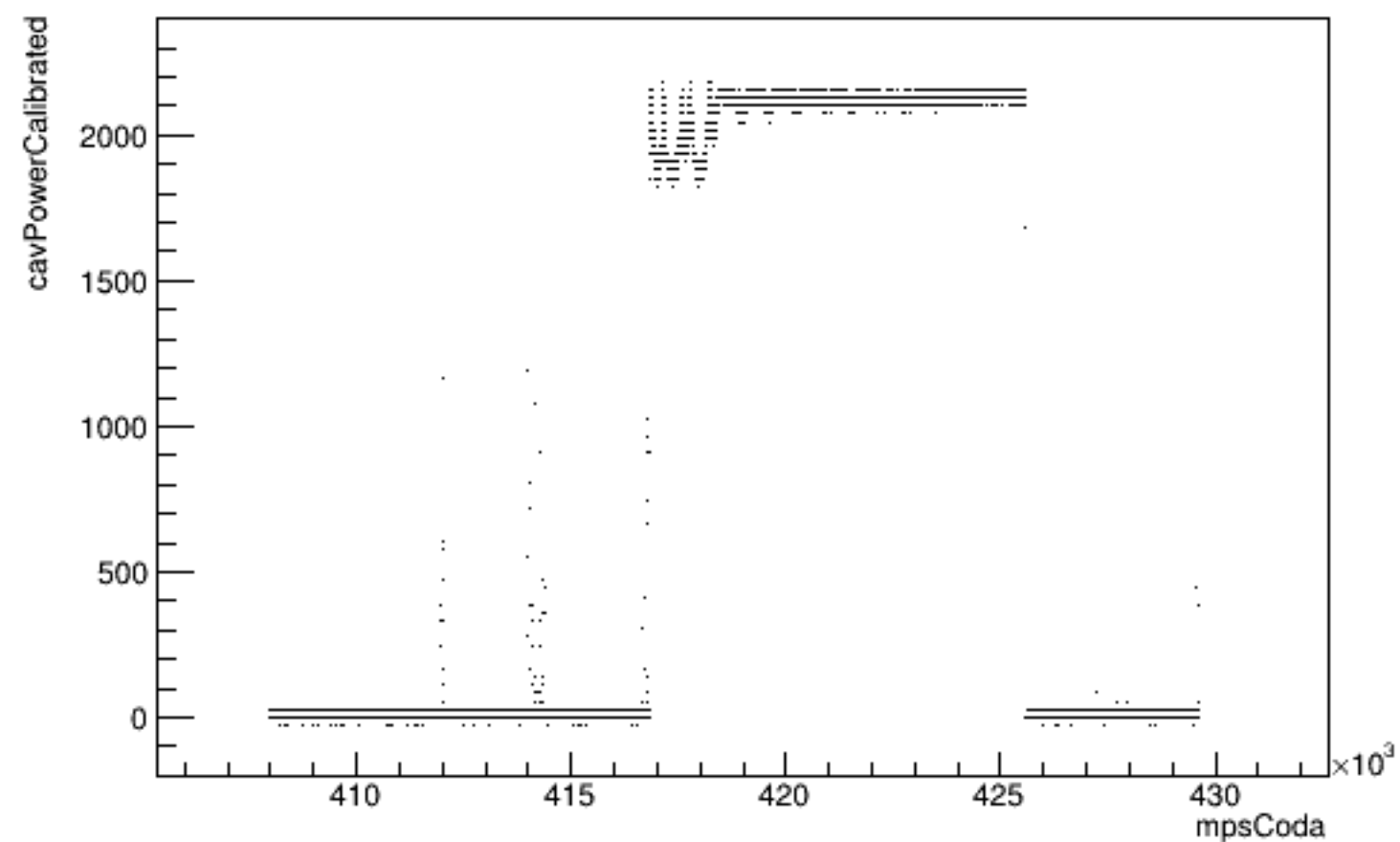
laserState:mpsCoda {mpsCoda>=407998 && mpsCoda<=429601}



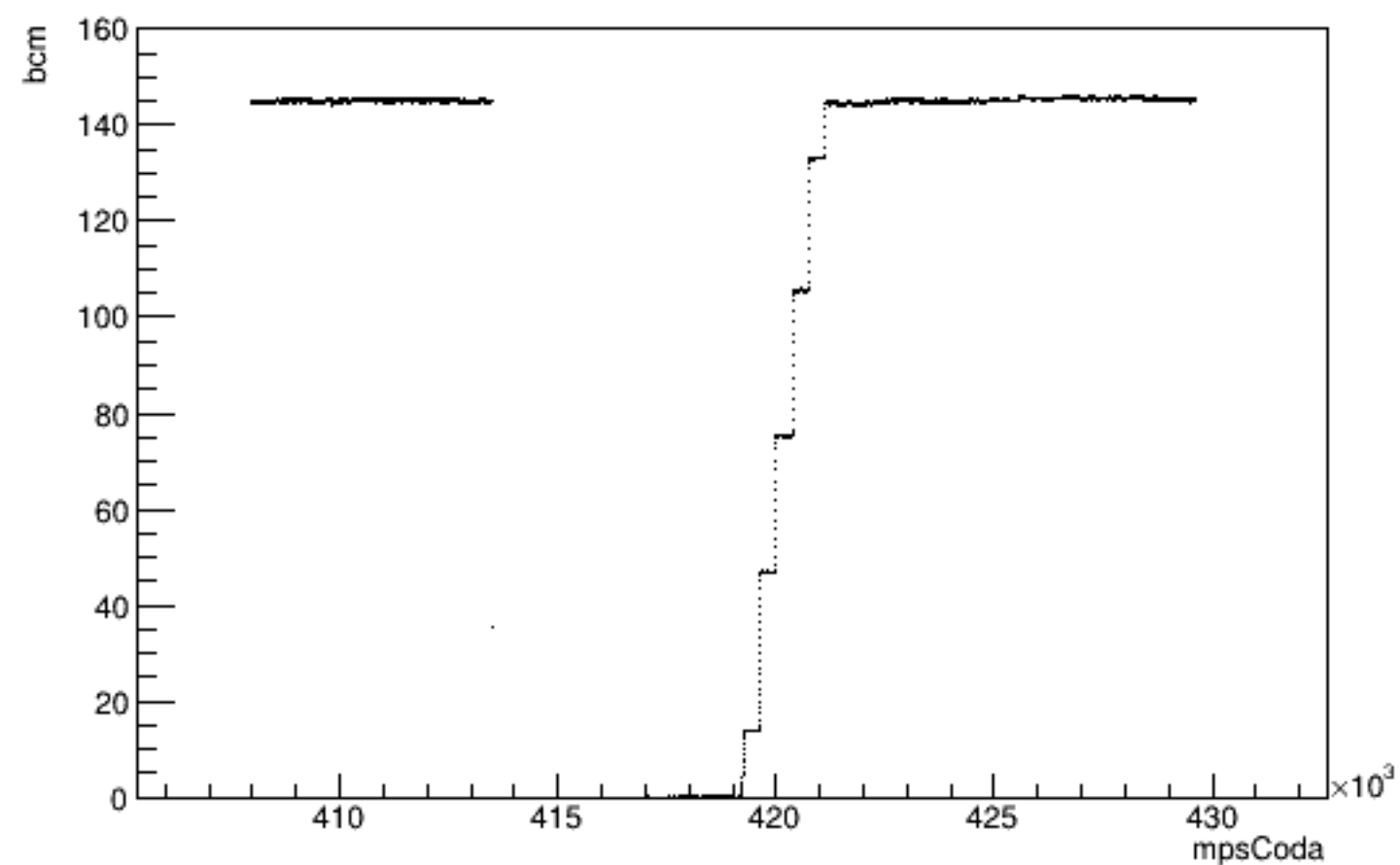
beamState + 1:mpsCoda {mpsCoda>=407998 && mpsCoda<=429601}



cavPowerCalibrated:mpsCoda {mpsCoda>=407998 && mpsCoda<=429601}



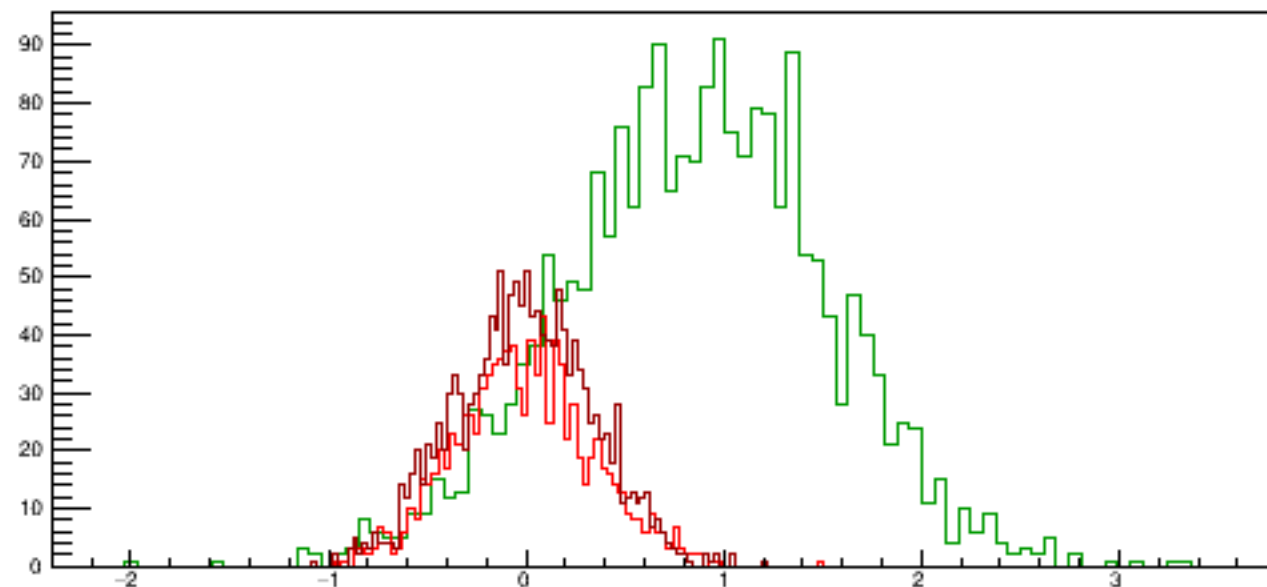
bcm:mpsCoda {mpsCoda>=407998 && mpsCoda<=429601}



Cycle 20, Diffs

Entries: 996	Entries: 2183	Entries: 1489
Mean: -0.0103 +/- 0.0110	Mean: 0.8495 +/- 0.0143	Mean: -0.0126 +/- 0.0089
Std Dev: 0.3464 +/- 0.0078	Std Dev: 0.6687 +/- 0.0101	Std Dev: 0.3440 +/- 0.0063

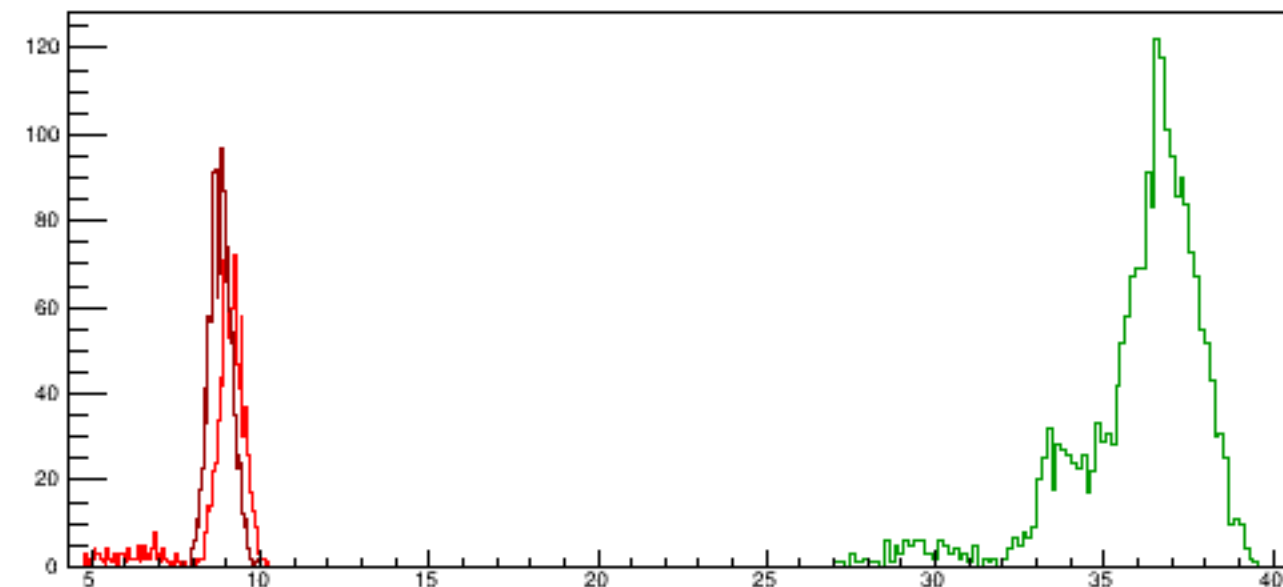
Run 5111 quartetwise, Diffs



Cycle 20, Sums

Entries: 996	Entries: 2183	Entries: 1489
Mean: 8.8383 +/- 0.0310	Mean: 36.0466 +/- 0.0421	Mean: 8.8337 +/- 0.0090
Std Dev: 0.9771 +/- 0.0219	Std Dev: 1.9693 +/- 0.0298	Std Dev: 0.3461 +/- 0.0063

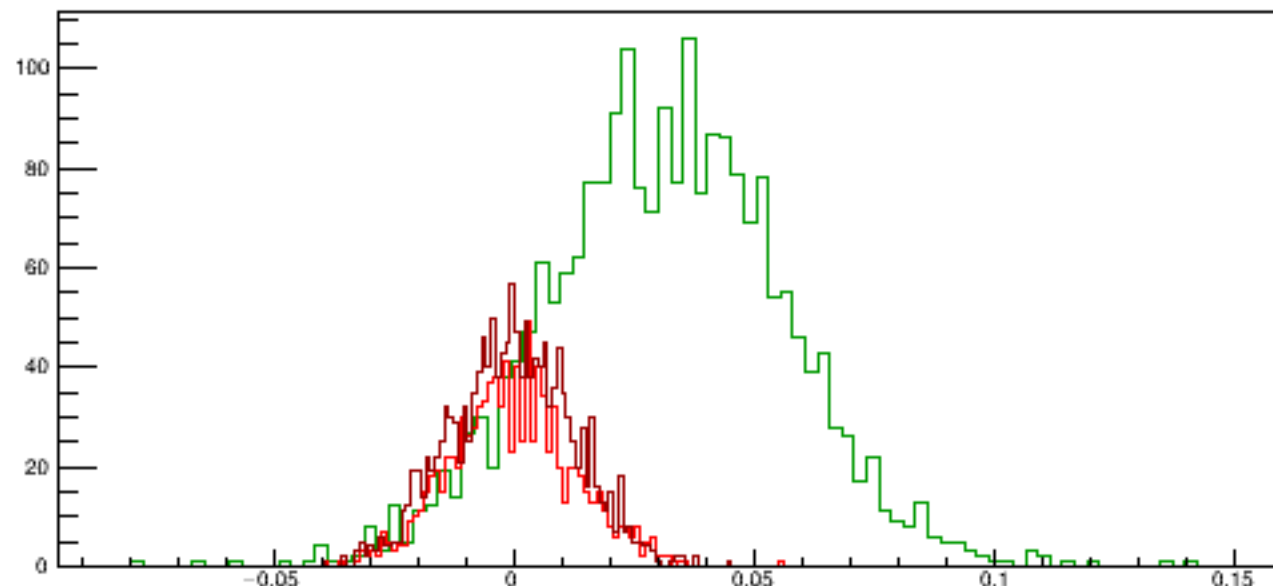
Run 5111 quartetwise, Sums



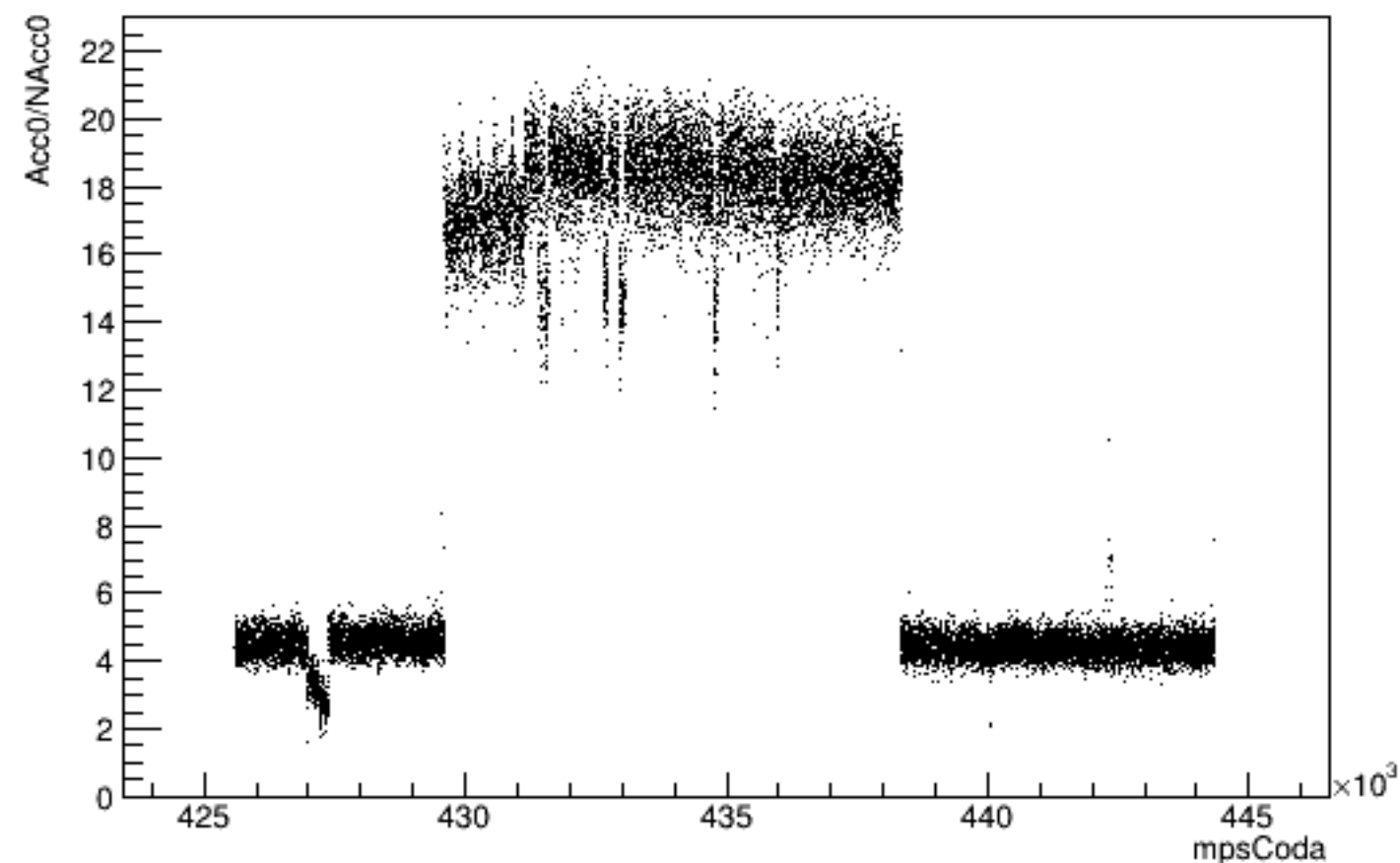
Cycle 20, Asyms

Entries: 996	Entries: 2183	Entries: 1489
Mean: -0.0004 +/- 0.0004	Mean: 0.0313 +/- 0.0005	Mean: -0.0005 +/- 0.0003
Std Dev: 0.0127 +/- 0.0003	Std Dev: 0.0251 +/- 0.0004	Std Dev: 0.0126 +/- 0.0002

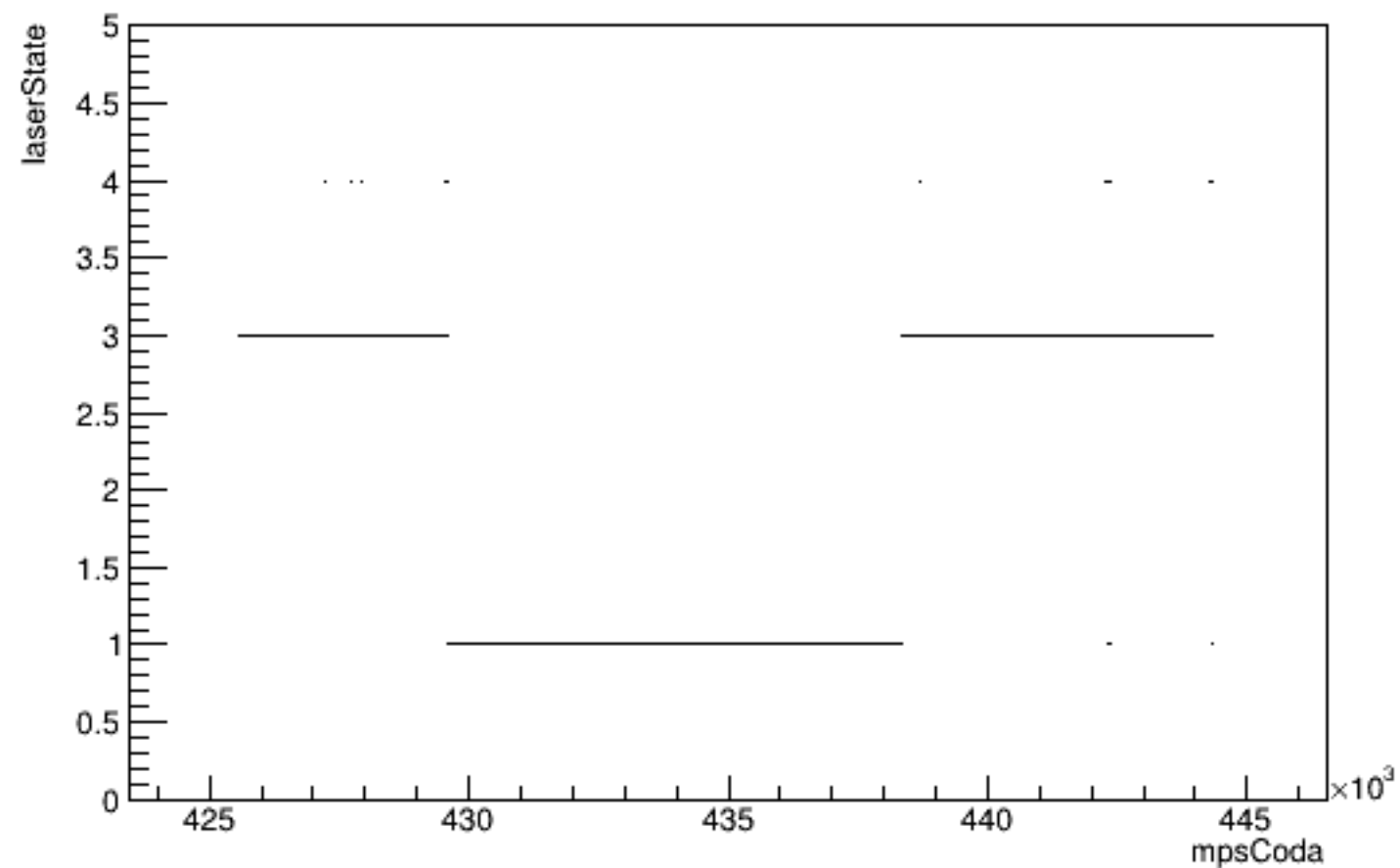
Run 5111 quartetwise, Asyms



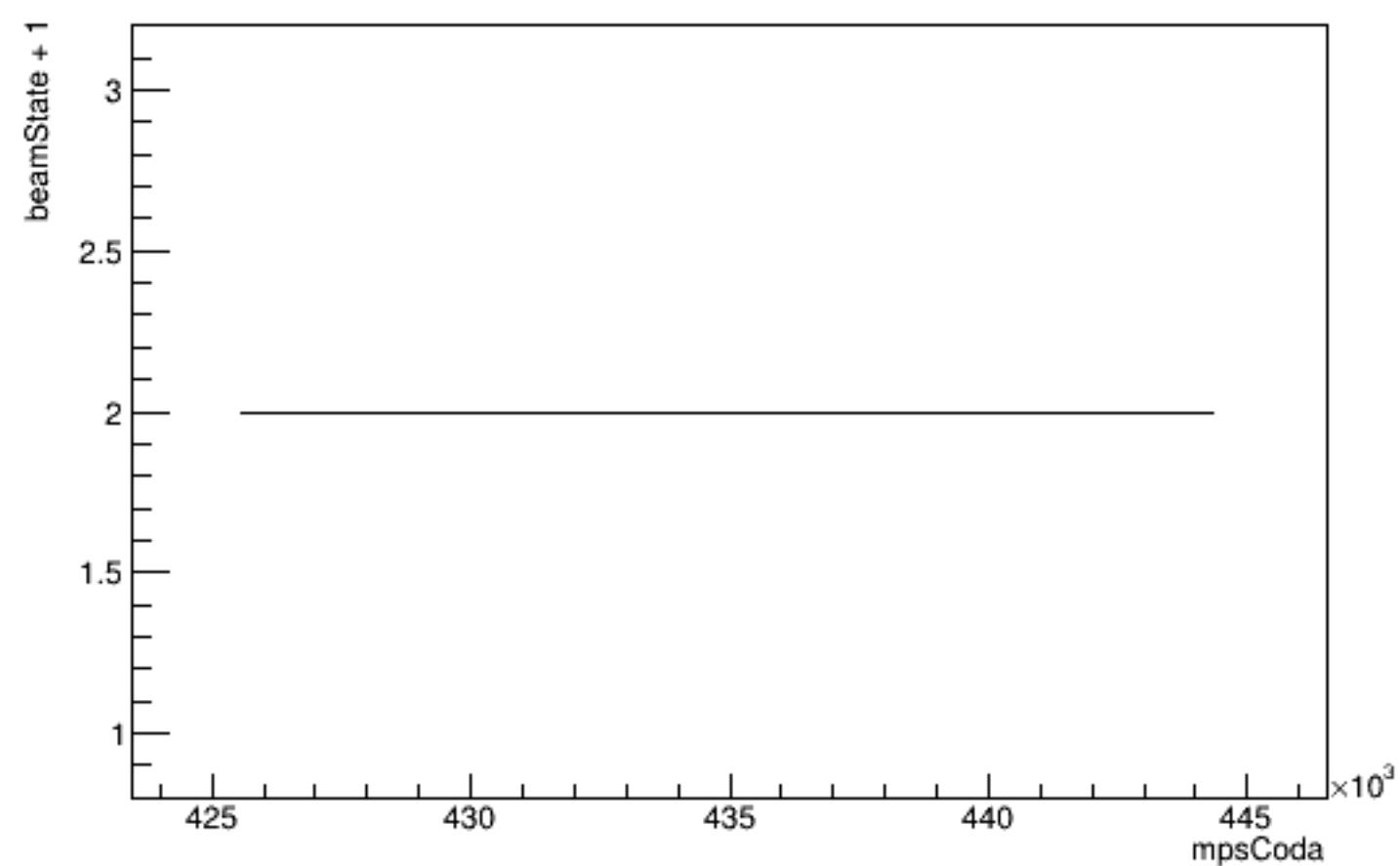
Acc0/NAcc0:mpsCoda (mpsCoda>=425594 && mpsCoda<=444341 && beamState==1)



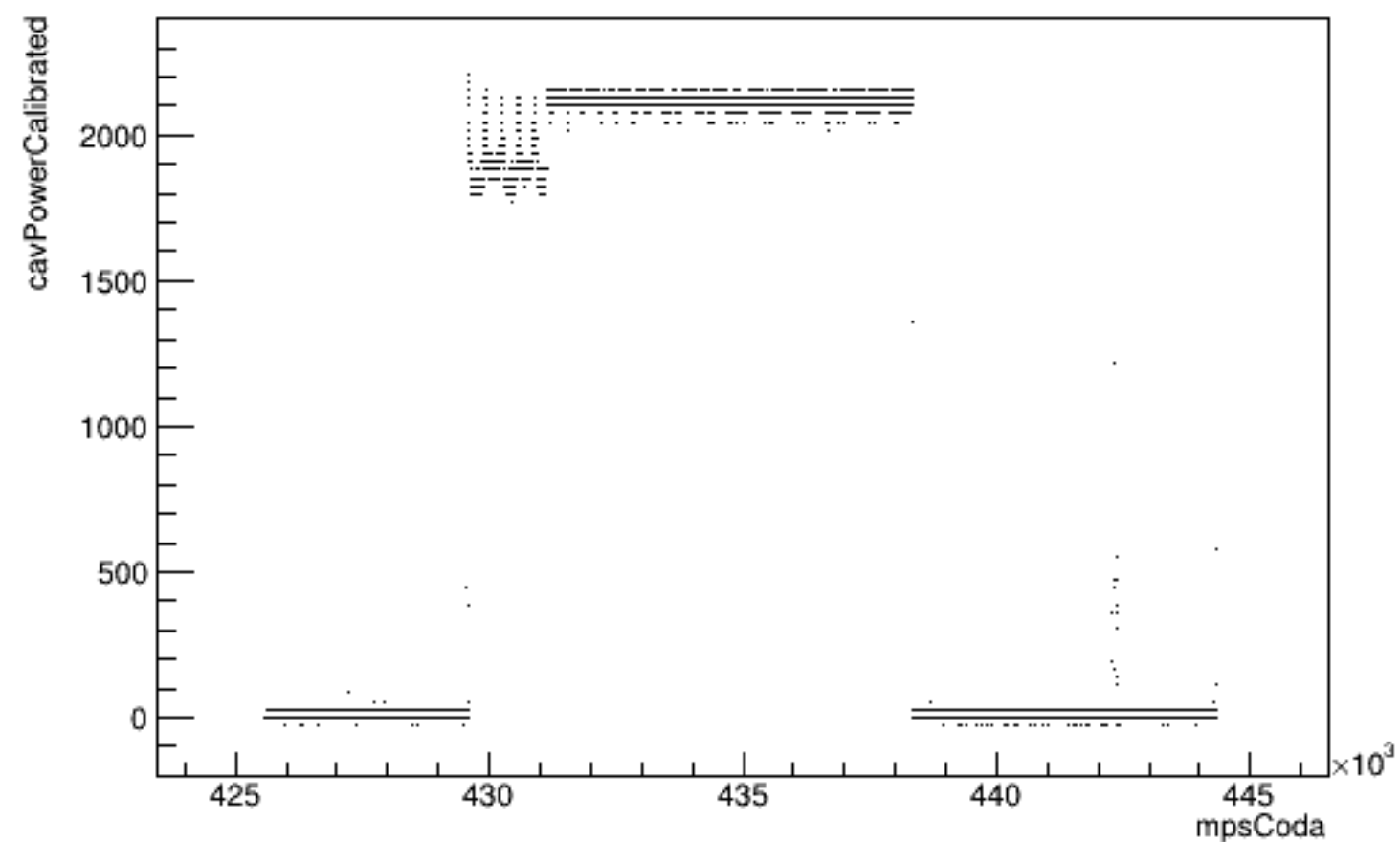
laserState:mpsCoda {mpsCoda>=425594 && mpsCoda<=444341}



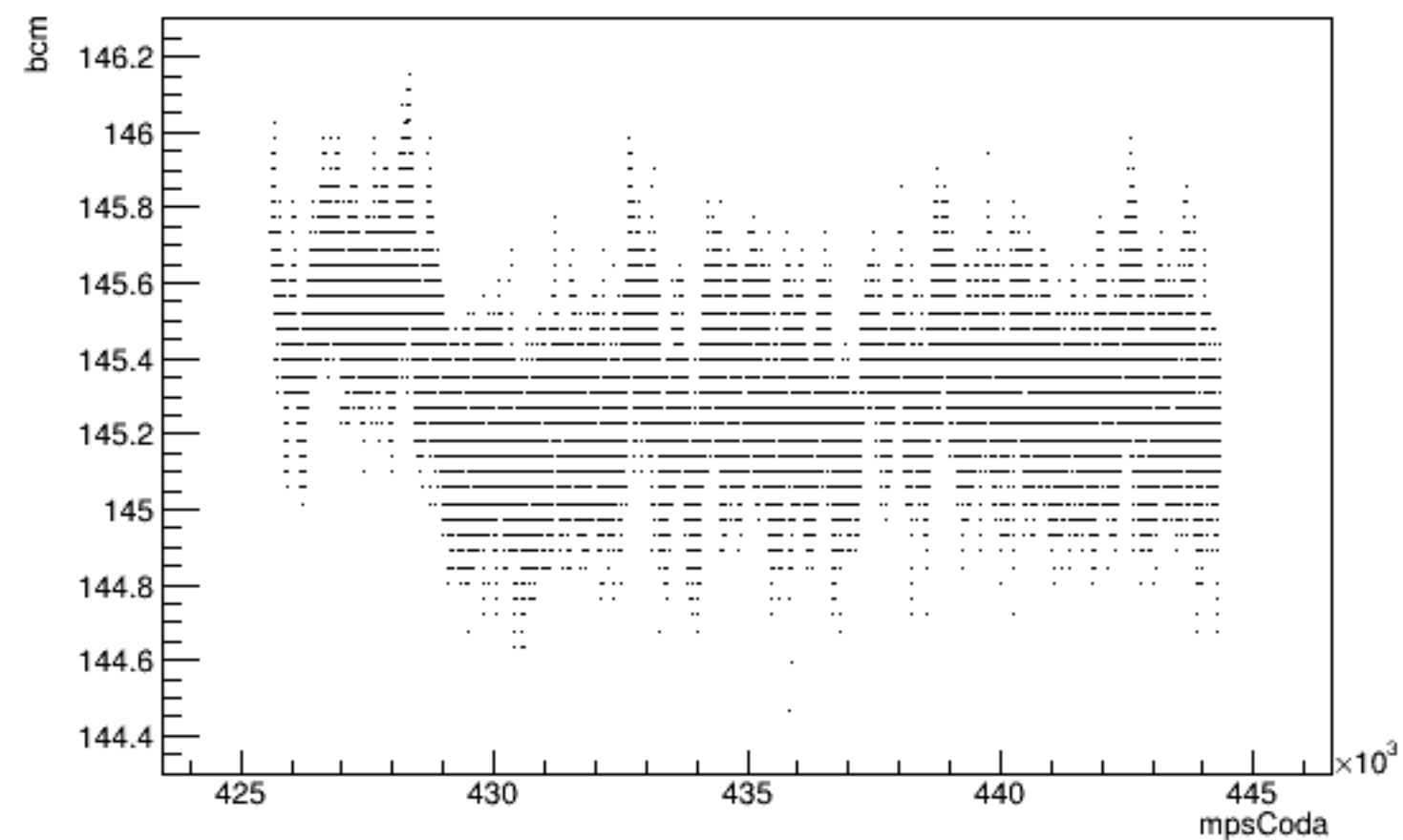
beamState + 1:mpsCoda {mpsCoda>=425594 && mpsCoda<=444341}



cavPowerCalibrated:mpsCoda {mpsCoda>=425594 && mpsCoda<=444341}



bcm:mpsCoda {mpsCoda>=425594 && mpsCoda<=444341}



Cycle 21, Diffs

Entries: 1489

Mean: -0.0126 +/- 0.0089

Std Dev: 0.3440 +/- 0.0063

Entries: 2248

Mean: 0.8572 +/- 0.0136

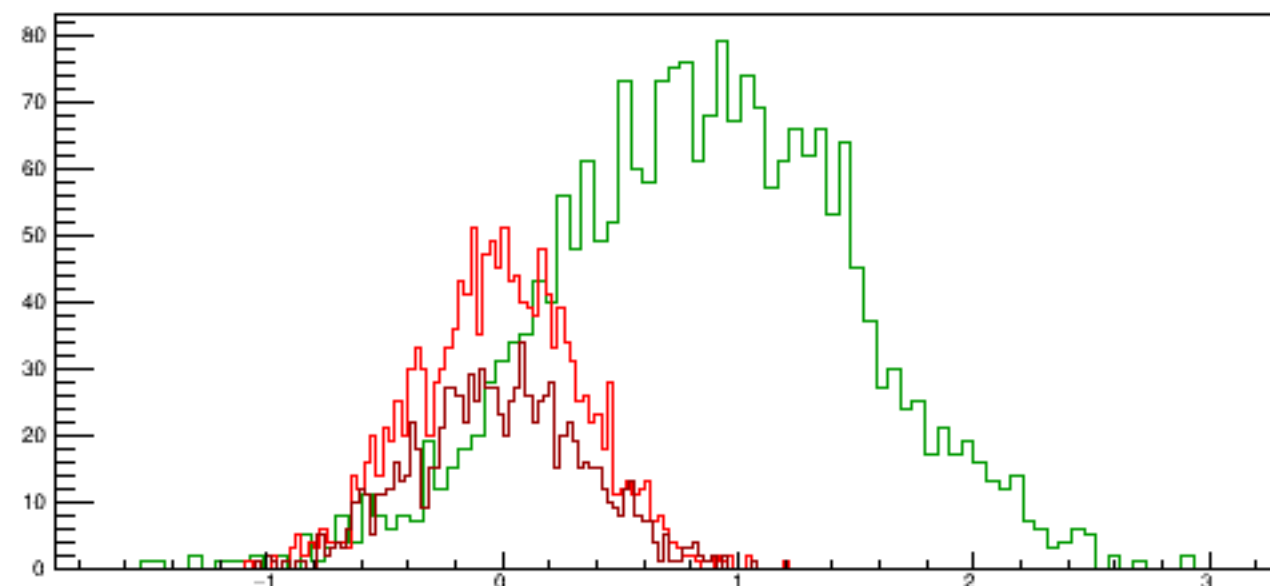
Std Dev: 0.6463 +/- 0.0096

Entries: 994

Mean: -0.0073 +/- 0.0112

Std Dev: 0.3526 +/- 0.0079

Run 5111 quartetwise, Diffs



Cycle 21, Sums

Entries: 1489

Mean: 8.8337 +/- 0.0090

Std Dev: 0.3461 +/- 0.0063

Entries: 2248

Mean: 36.0635 +/- 0.0360

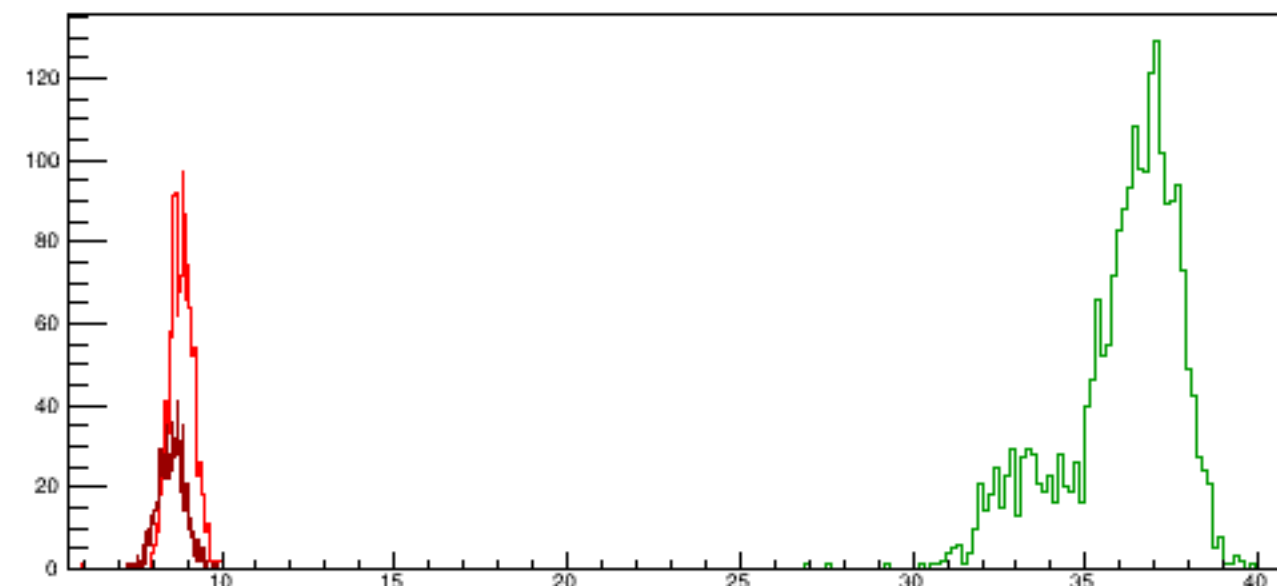
Std Dev: 1.7060 +/- 0.0254

Entries: 994

Mean: 8.5484 +/- 0.0121

Std Dev: 0.3829 +/- 0.0086

Run 5111 quartetwise, Sums



Cycle 21, Asyms

Entries: 1489

Mean: -0.0005 +/- 0.0003

Std Dev: 0.0126 +/- 0.0002

Entries: 2248

Mean: 0.0314 +/- 0.0005

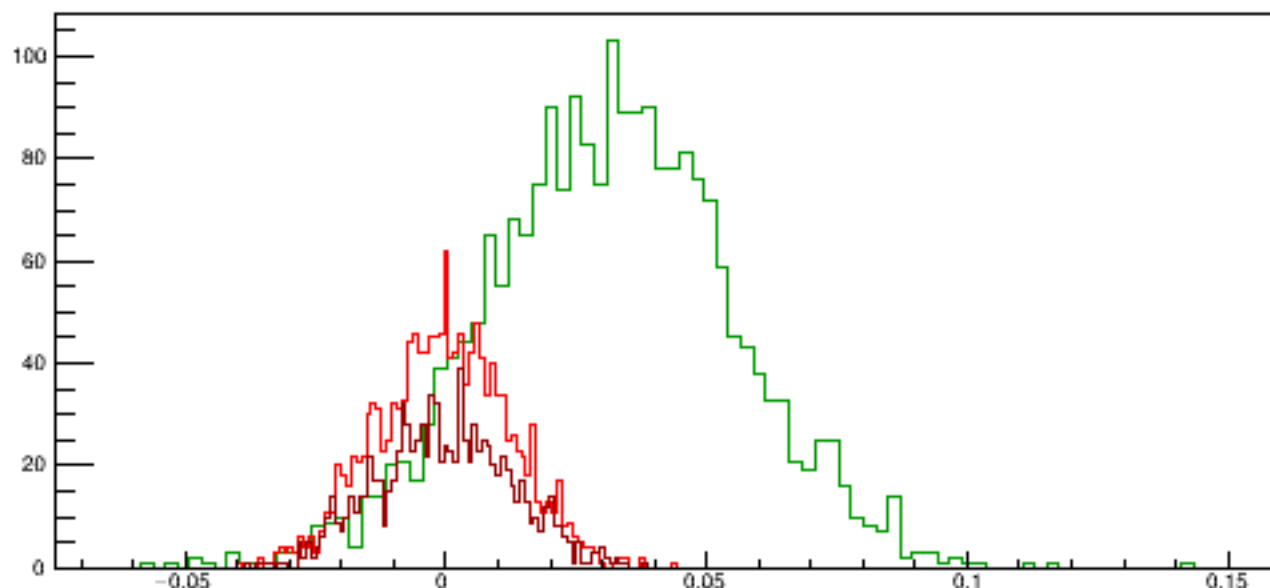
Std Dev: 0.0238 +/- 0.0004

Entries: 994

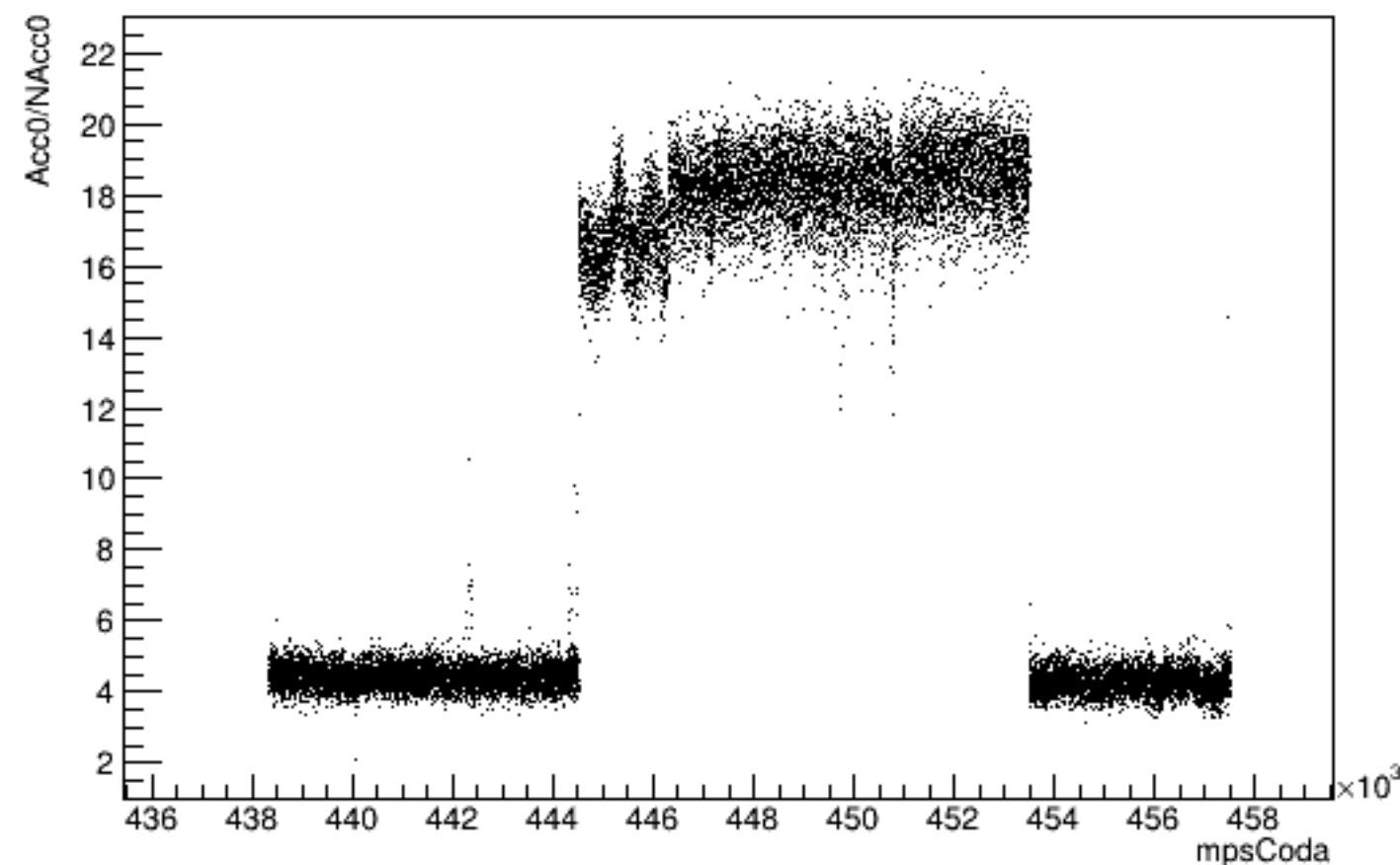
Mean: -0.0003 +/- 0.0004

Std Dev: 0.0129 +/- 0.0003

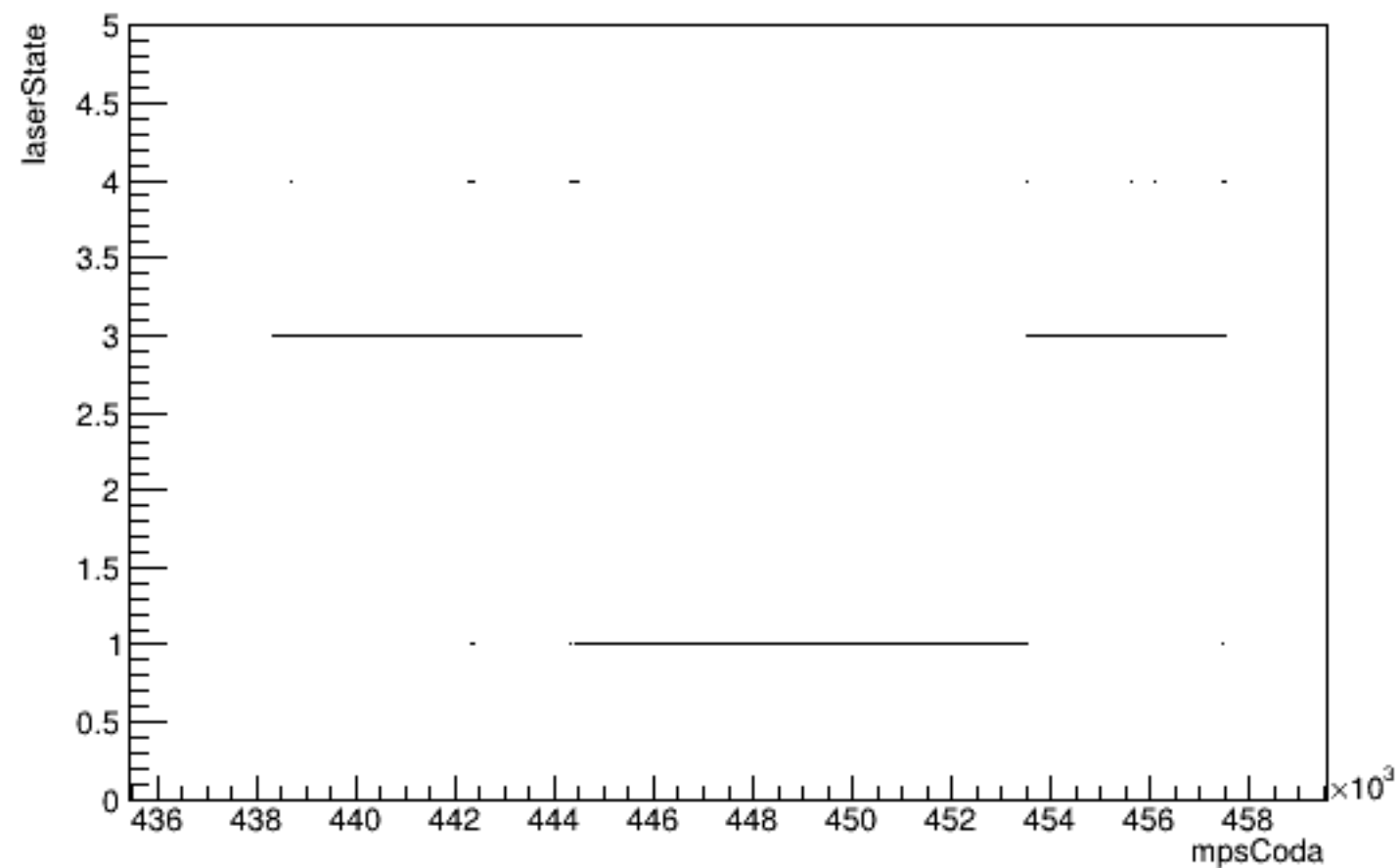
Run 5111 quartetwise, Asyms



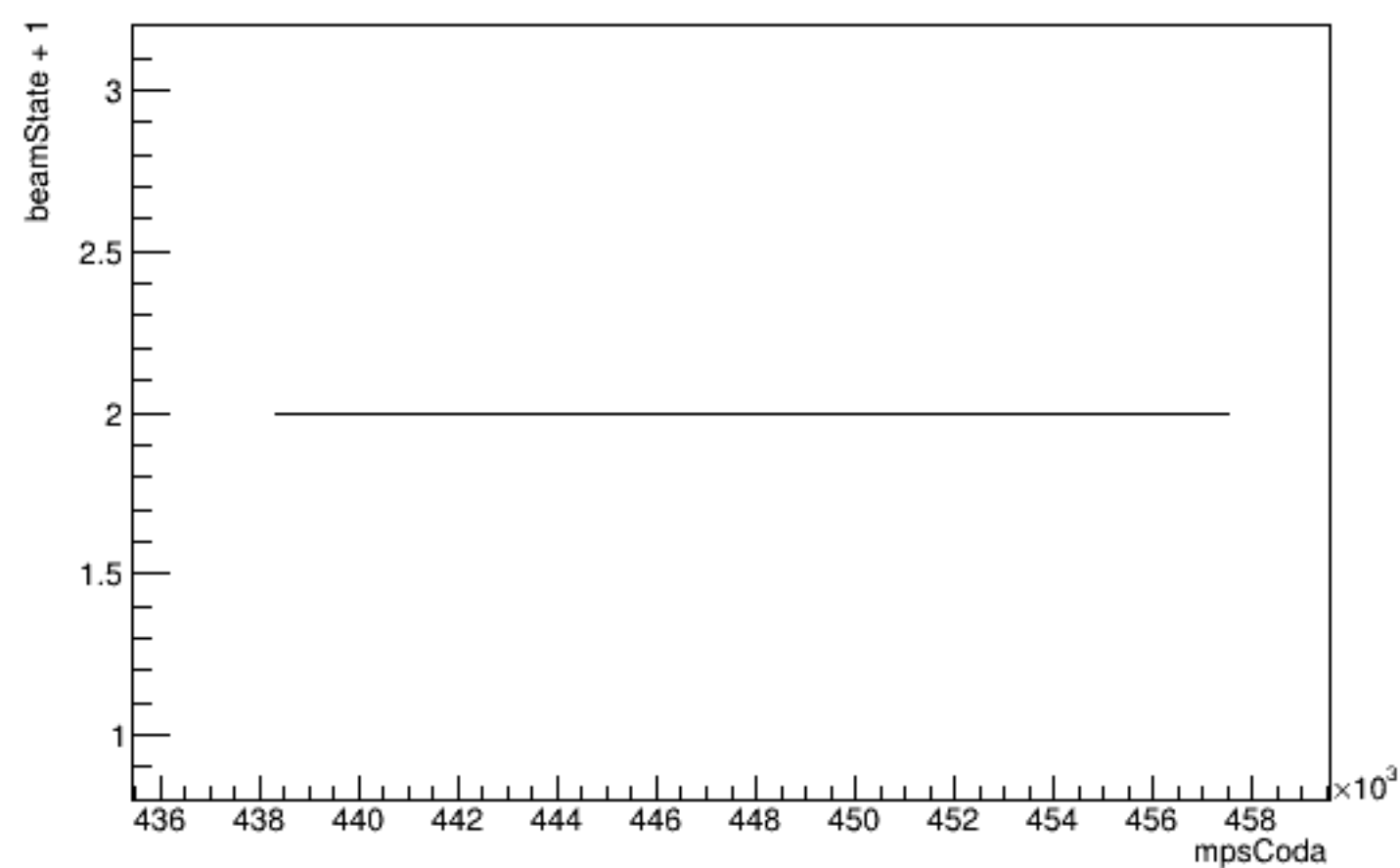
Acc0/NAcc0:mpsCoda (mpsCoda>=438334 && mpsCoda<=457513 && beamState==1)



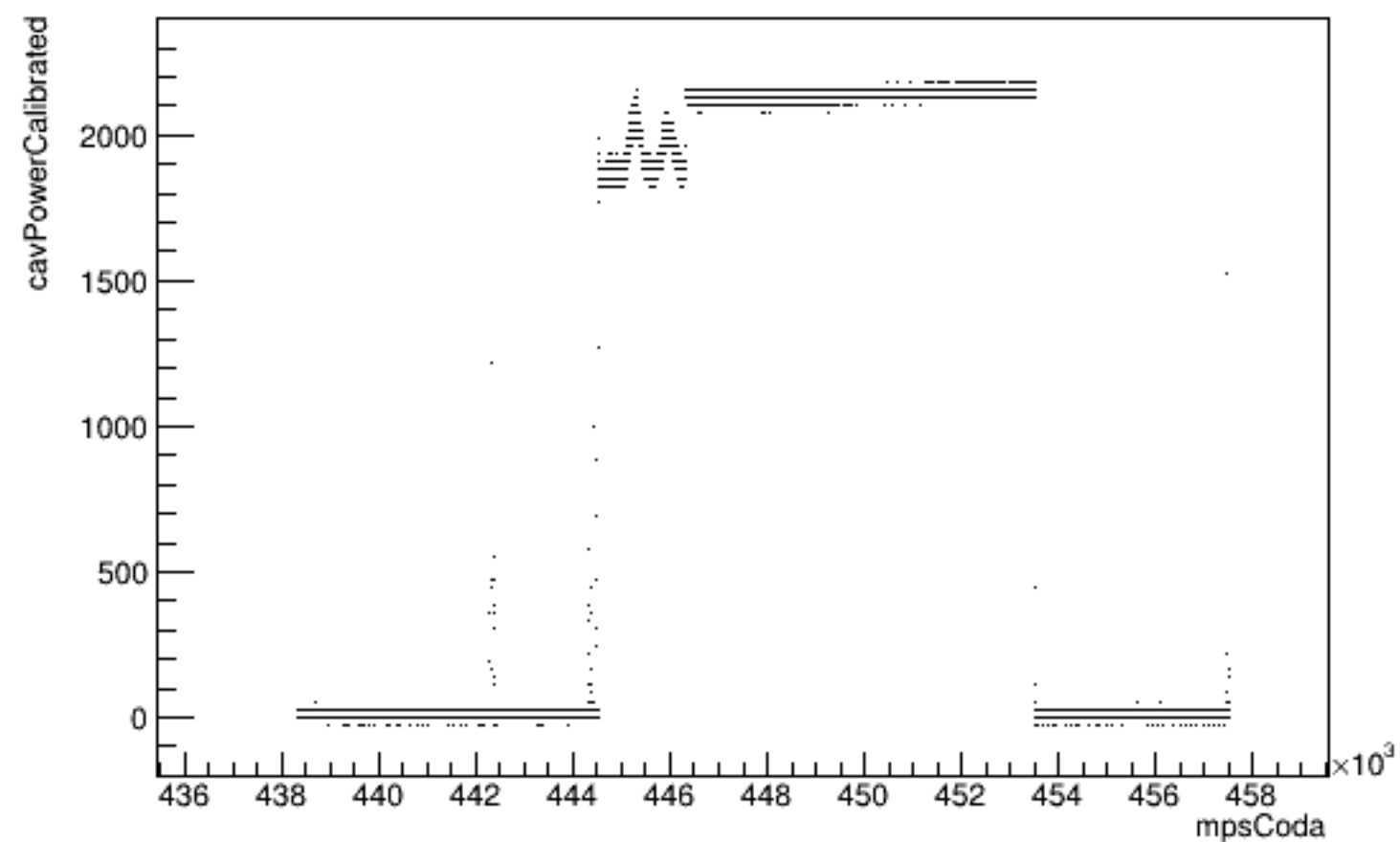
laserState:mpsCoda {mpsCoda>=438334 && mpsCoda<=457513}



beamState + 1:mpsCoda {mpsCoda>=438334 && mpsCoda<=457513}



cavPowerCalibrated:mpsCoda {mpsCoda>=438334 && mpsCoda<=457513}



bcm:mpsCoda {mpsCoda>=438334 && mpsCoda<=457513}

