

Cycle 1, Diffs

Entries: 1645

Mean: -0.0023 +/- 0.0066

Std Dev: 0.2675 +/- 0.0047

Entries: 2776

Mean: 0.0232 +/- 0.0054

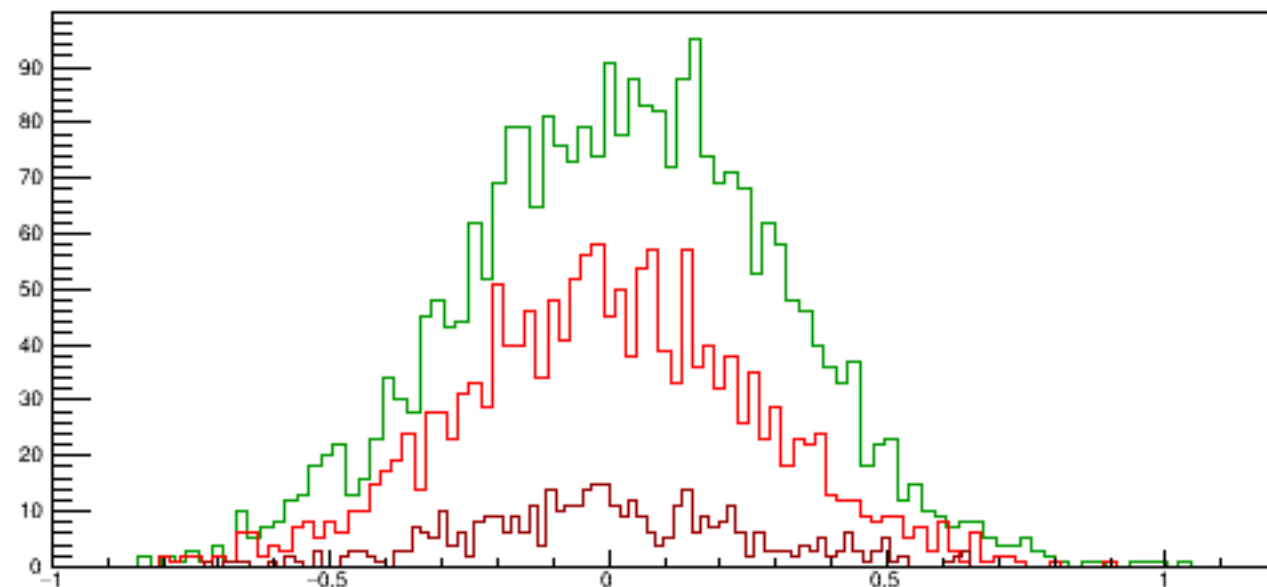
Std Dev: 0.2824 +/- 0.0038

Entries: 411

Mean: -0.0012 +/- 0.0126

Std Dev: 0.2550 +/- 0.0089

Run 4300 quartetwise, Diffs



Cycle 1, Sums

Entries: 1645

Mean: 14.9591 +/- 0.0084

Std Dev: 0.3390 +/- 0.0059

Entries: 2776

Mean: 16.3564 +/- 0.0075

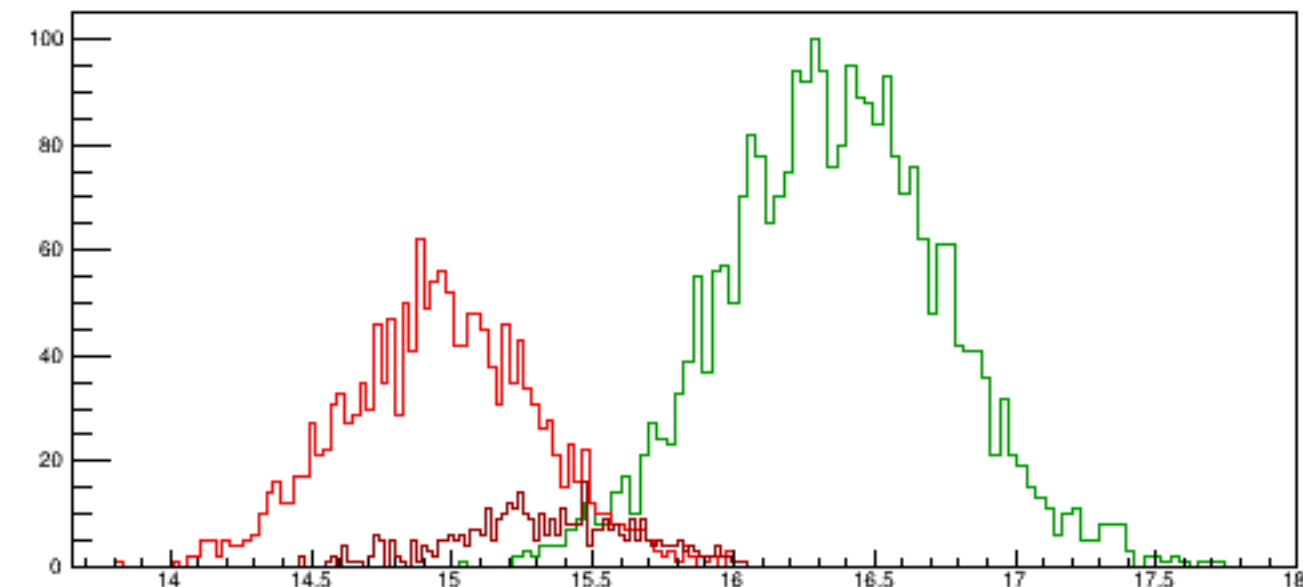
Std Dev: 0.3935 +/- 0.0053

Entries: 411

Mean: 15.3302 +/- 0.0160

Std Dev: 0.3253 +/- 0.0113

Run 4300 quartetwise, Sums



Cycle 1, Asyms

Entries: 1645

Mean: -0.0019 +/- 0.0054

Std Dev: 0.2208 +/- 0.0038

Entries: 2776

Mean: 0.0227 +/- 0.0057

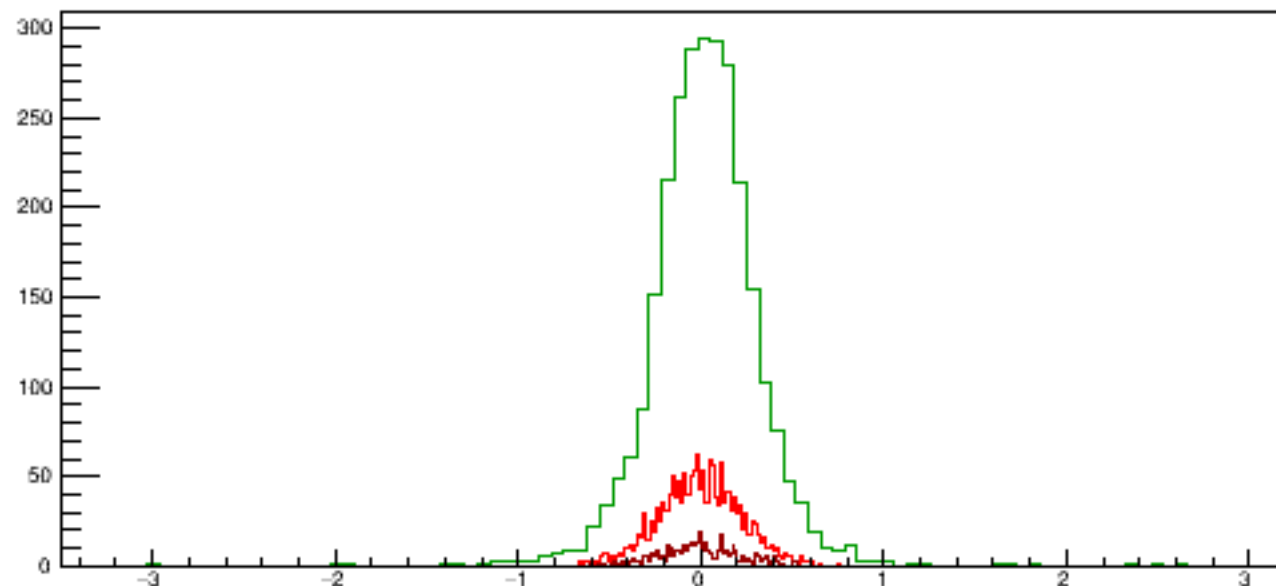
Std Dev: 0.3015 +/- 0.0040

Entries: 411

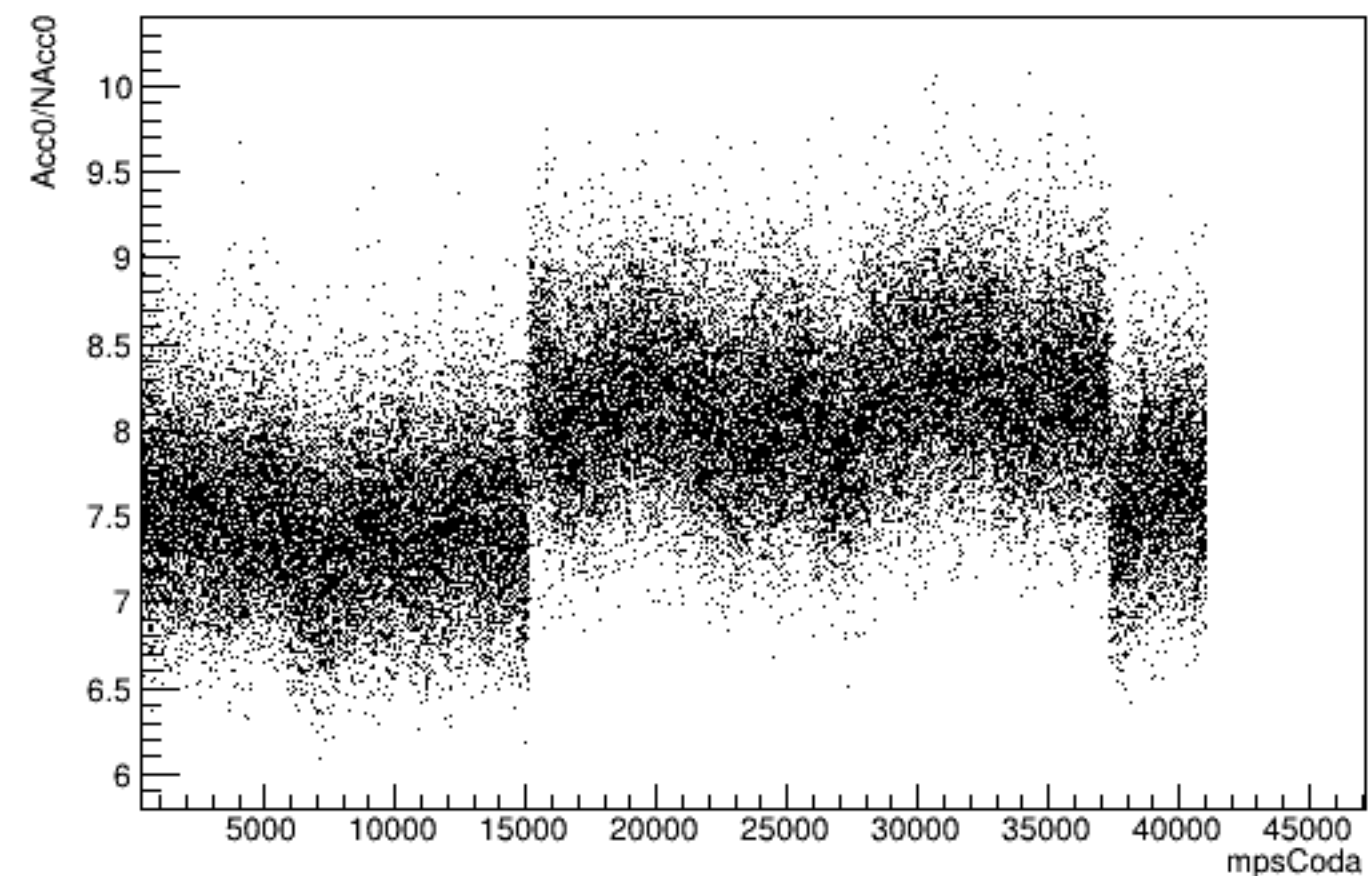
Mean: -0.0010 +/- 0.0104

Std Dev: 0.2105 +/- 0.0073

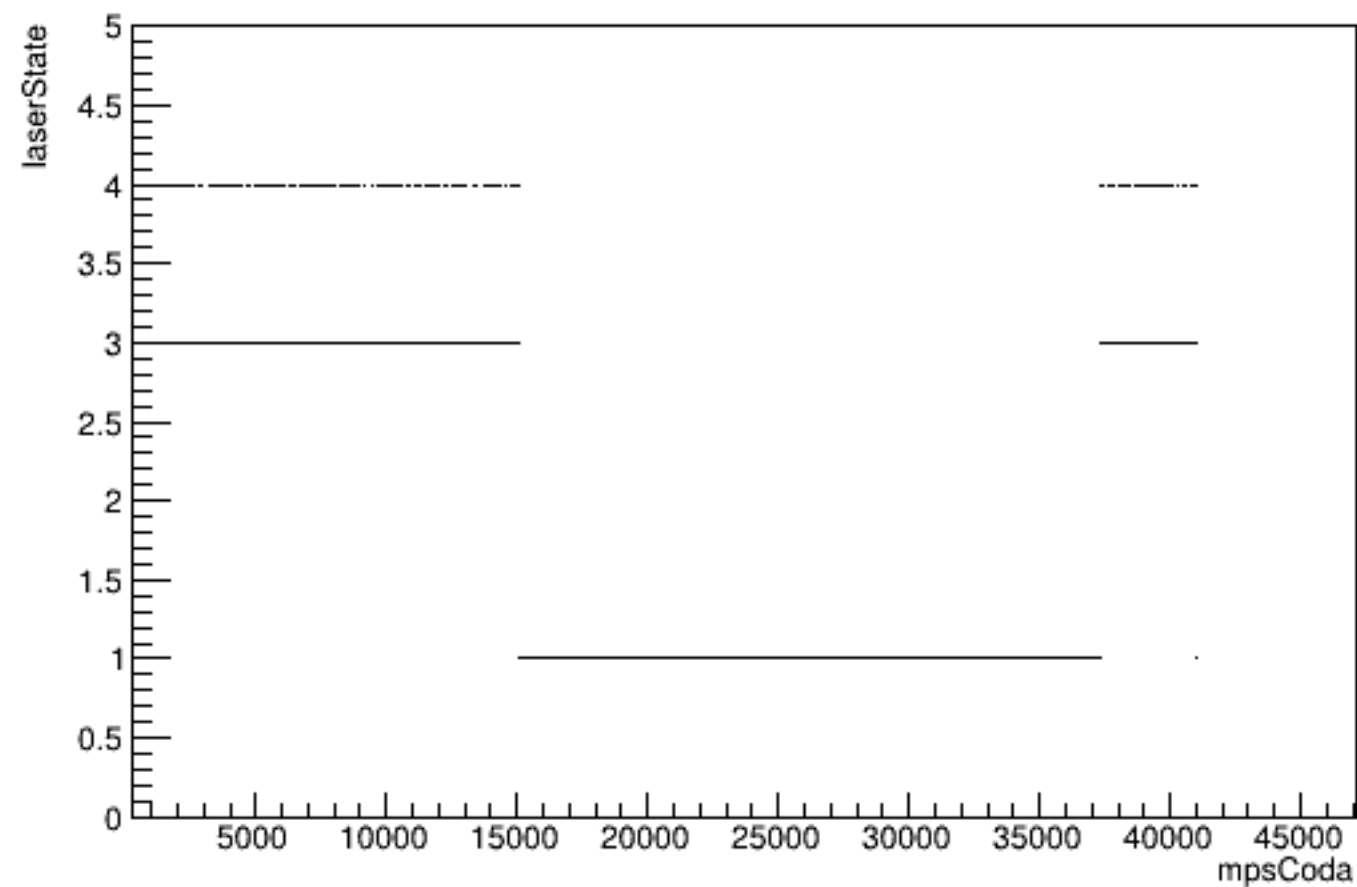
Run 4300 quartetwise, Asyms



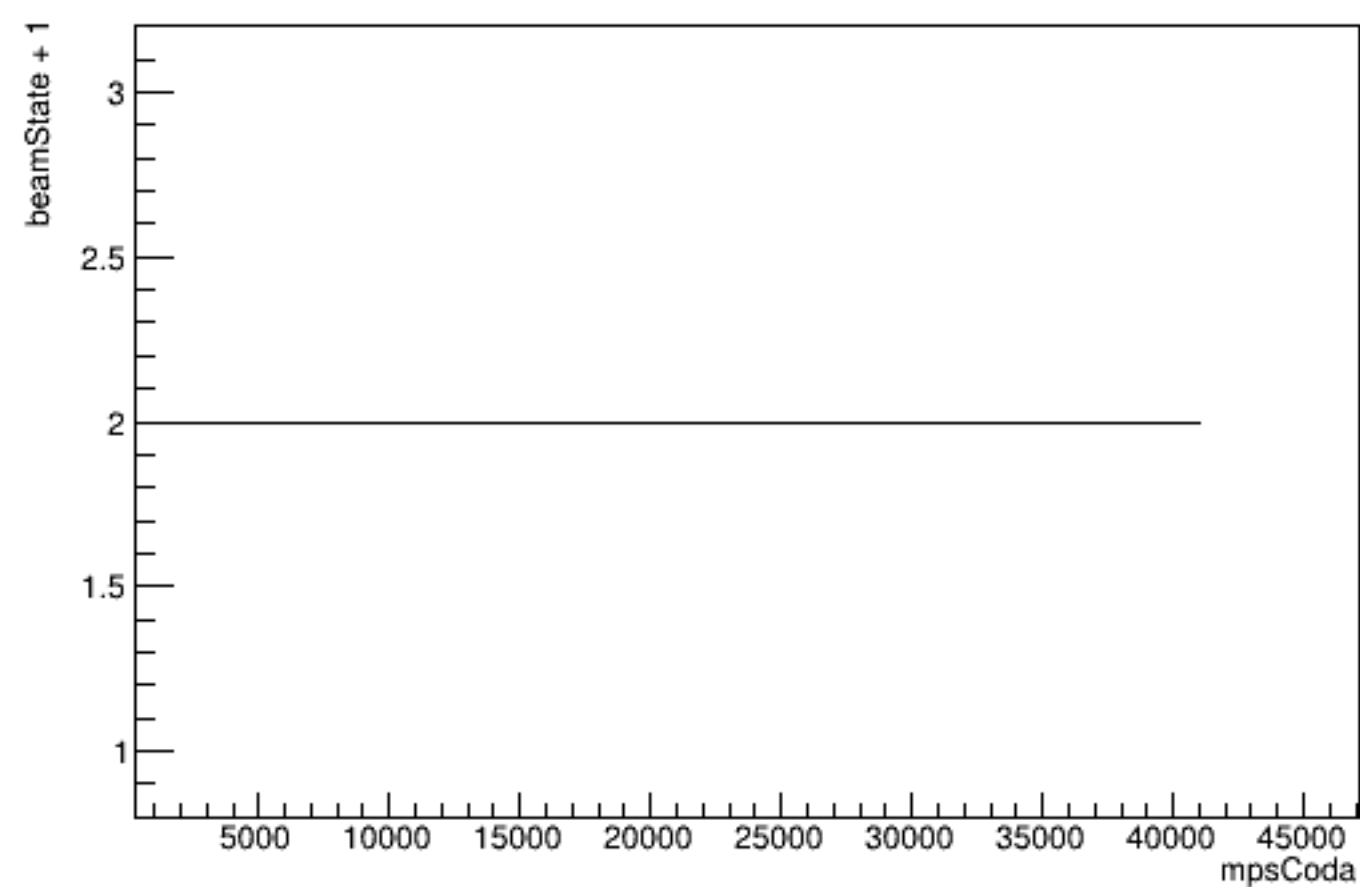
Acc0/NAcc0:mpsCoda {mpsCoda>=258 && mpsCoda<=41049 && beamState==1}



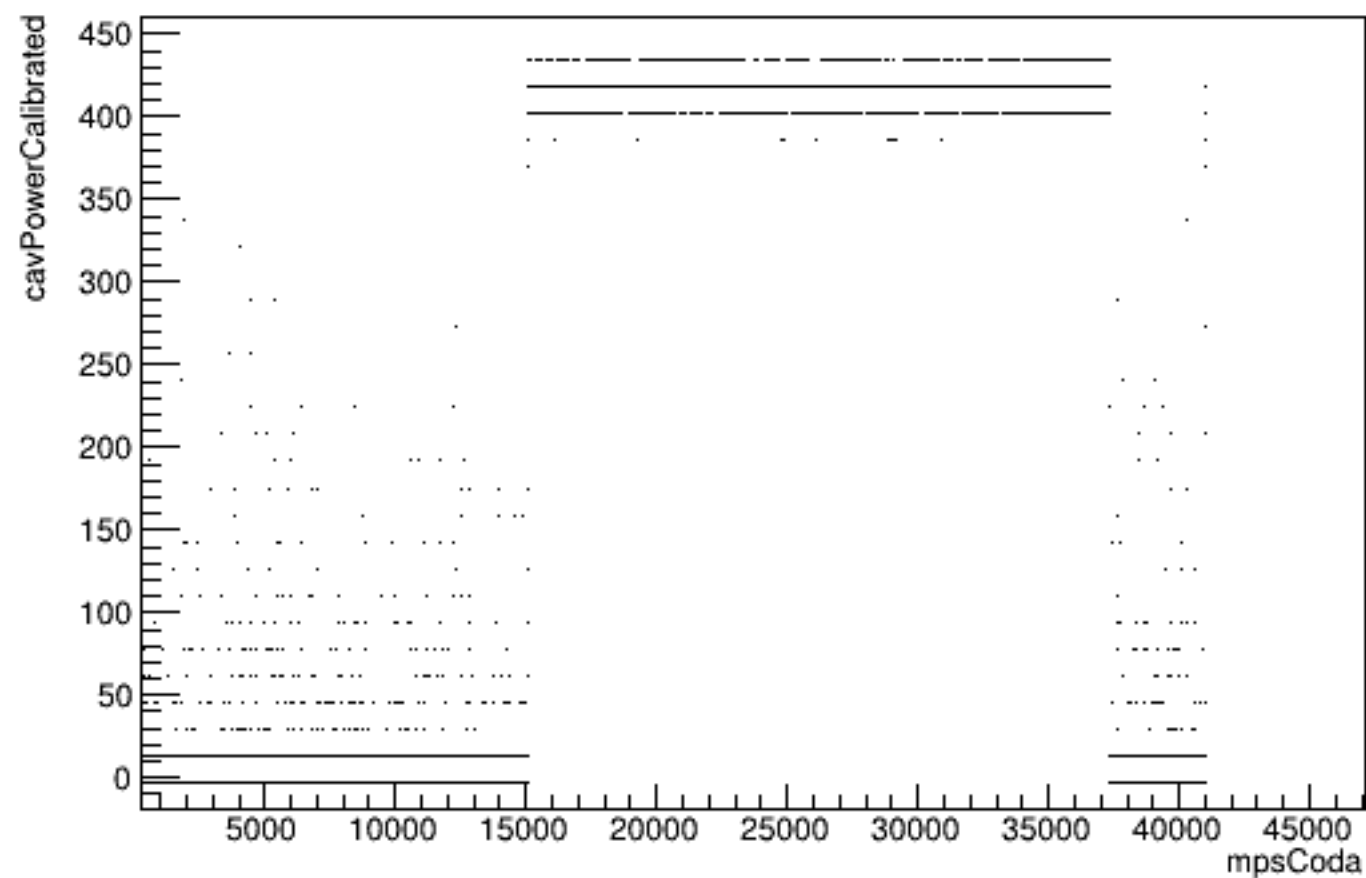
laserState:mpsCoda {mpsCoda>=258 && mpsCoda<=41049}



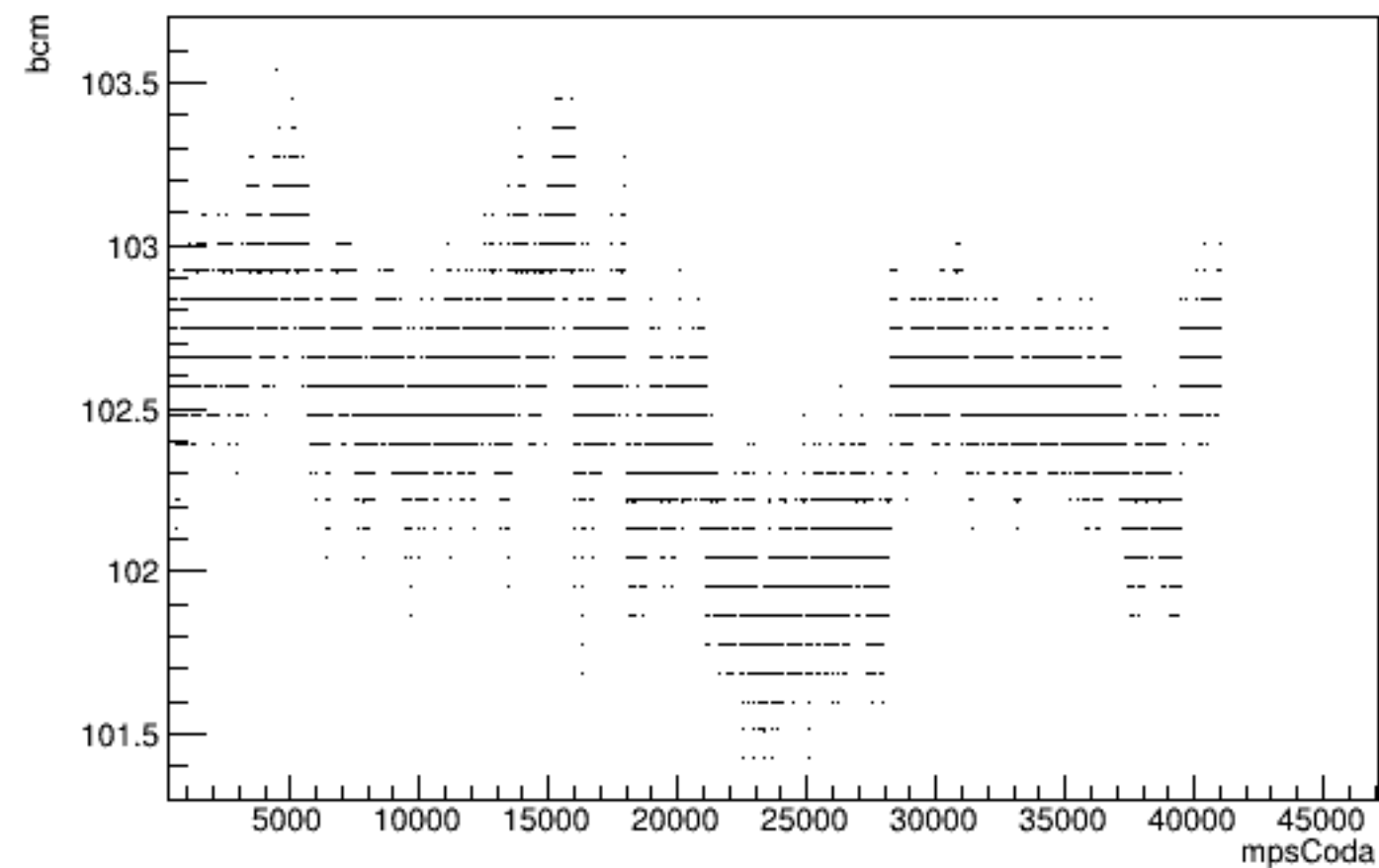
beamState + 1:mpsCoda {mpsCoda>=258 && mpsCoda<=41049}



cavPowerCalibrated:mpsCoda {mpsCoda>=258 && mpsCoda<=41049}



bcm:mpsCoda {mpsCoda>=258 && mpsCoda<=41049}



Cycle 2, Diffs

Entries: 411

Mean: -0.0012 +/- 0.0126

Std Dev: 0.2550 +/- 0.0089

Entries: 10362

Mean: 0.0218 +/- 0.0028

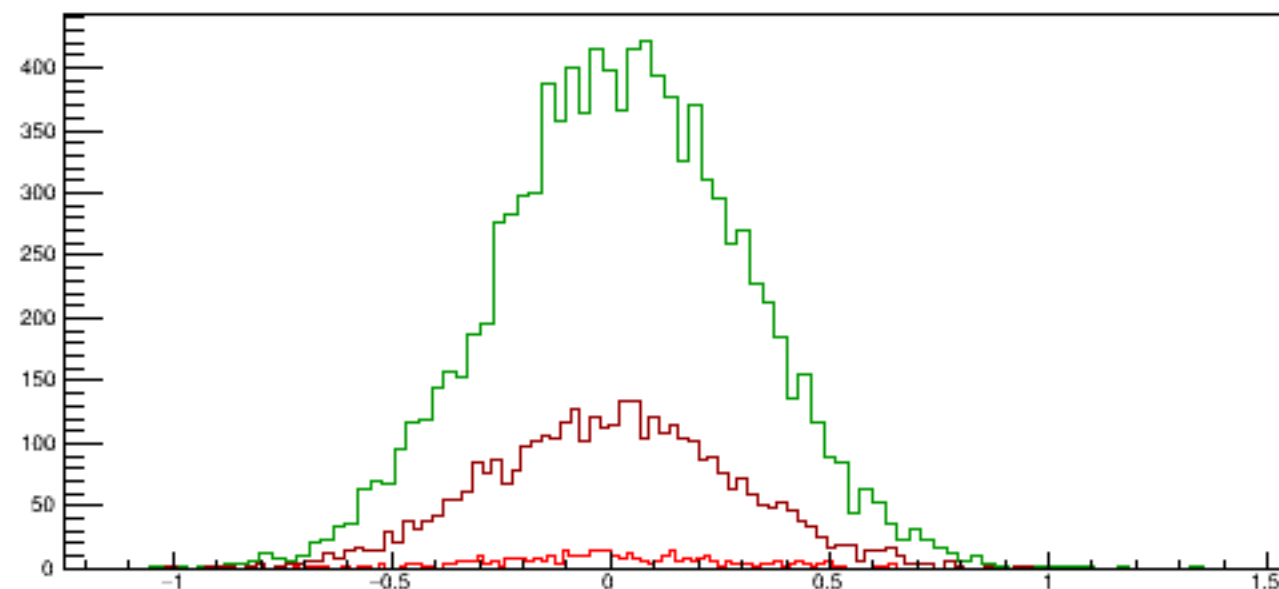
Std Dev: 0.2850 +/- 0.0020

Entries: 3775

Mean: -0.0010 +/- 0.0045

Std Dev: 0.2765 +/- 0.0032

Run 4300 quartetwise, Diffs



Cycle 2, Sums

Entries: 411

Mean: 15.3302 +/- 0.0160

Std Dev: 0.3253 +/- 0.0113

Entries: 10362

Mean: 16.8089 +/- 0.0038

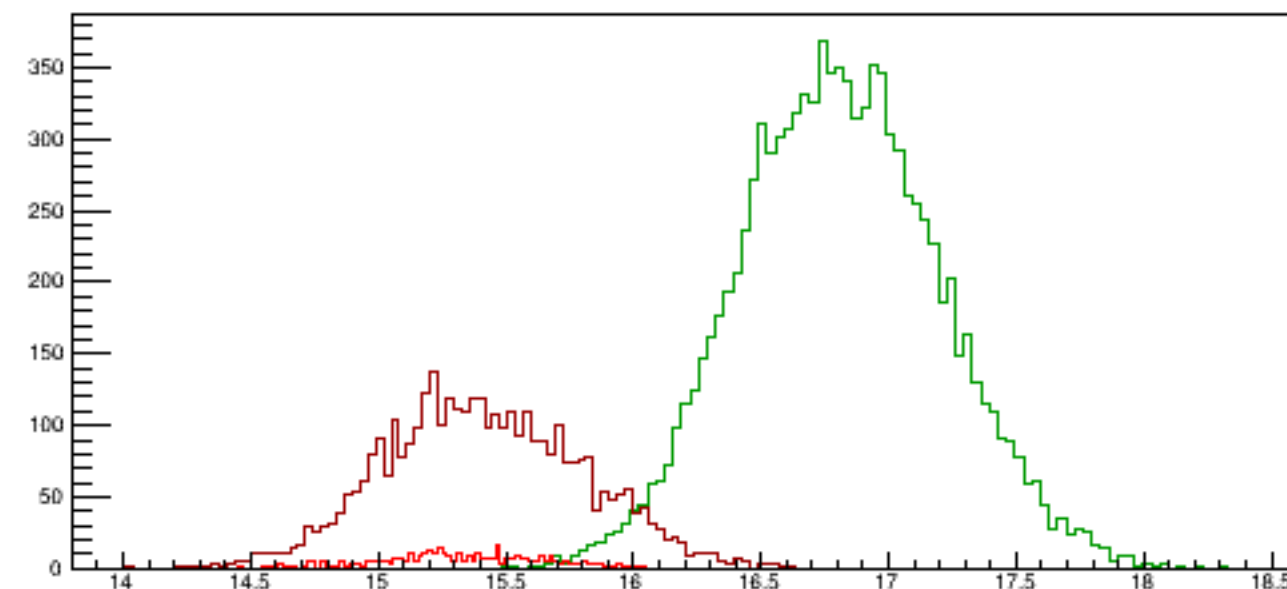
Std Dev: 0.3911 +/- 0.0027

Entries: 3775

Mean: 15.4128 +/- 0.0063

Std Dev: 0.3877 +/- 0.0045

Run 4300 quartetwise, Sums



Cycle 2, Asyms

Entries: 411

Mean: -0.0008 +/- 0.0088

Std Dev: 0.1774 +/- 0.0062

Entries: 10362

Mean: 0.0171 +/- 0.0022

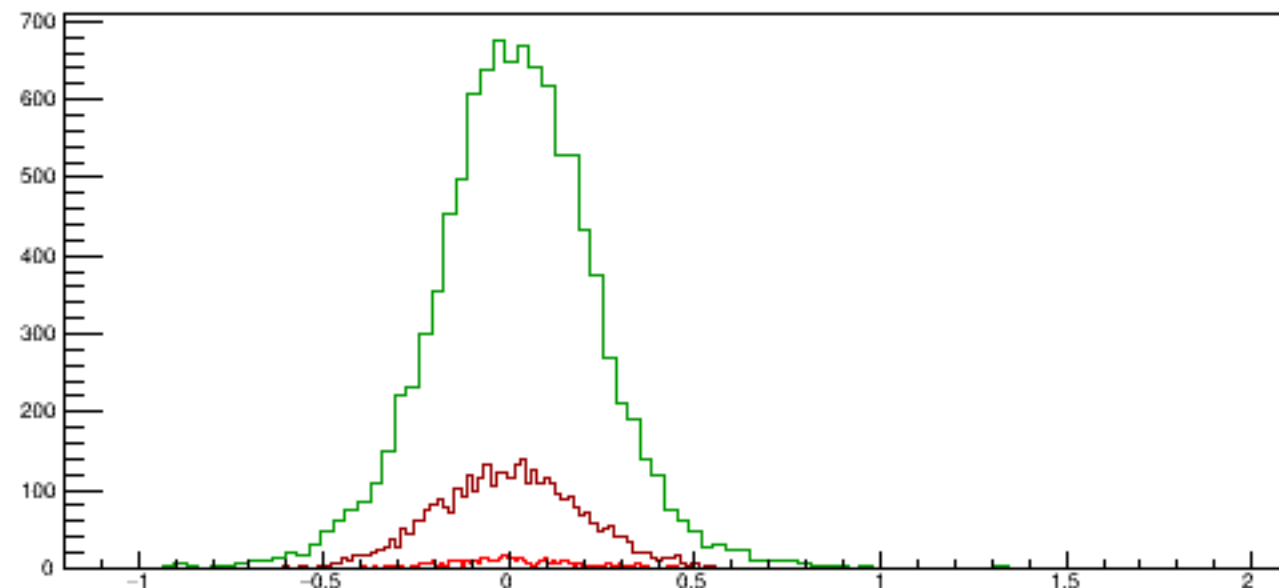
Std Dev: 0.2235 +/- 0.0016

Entries: 3775

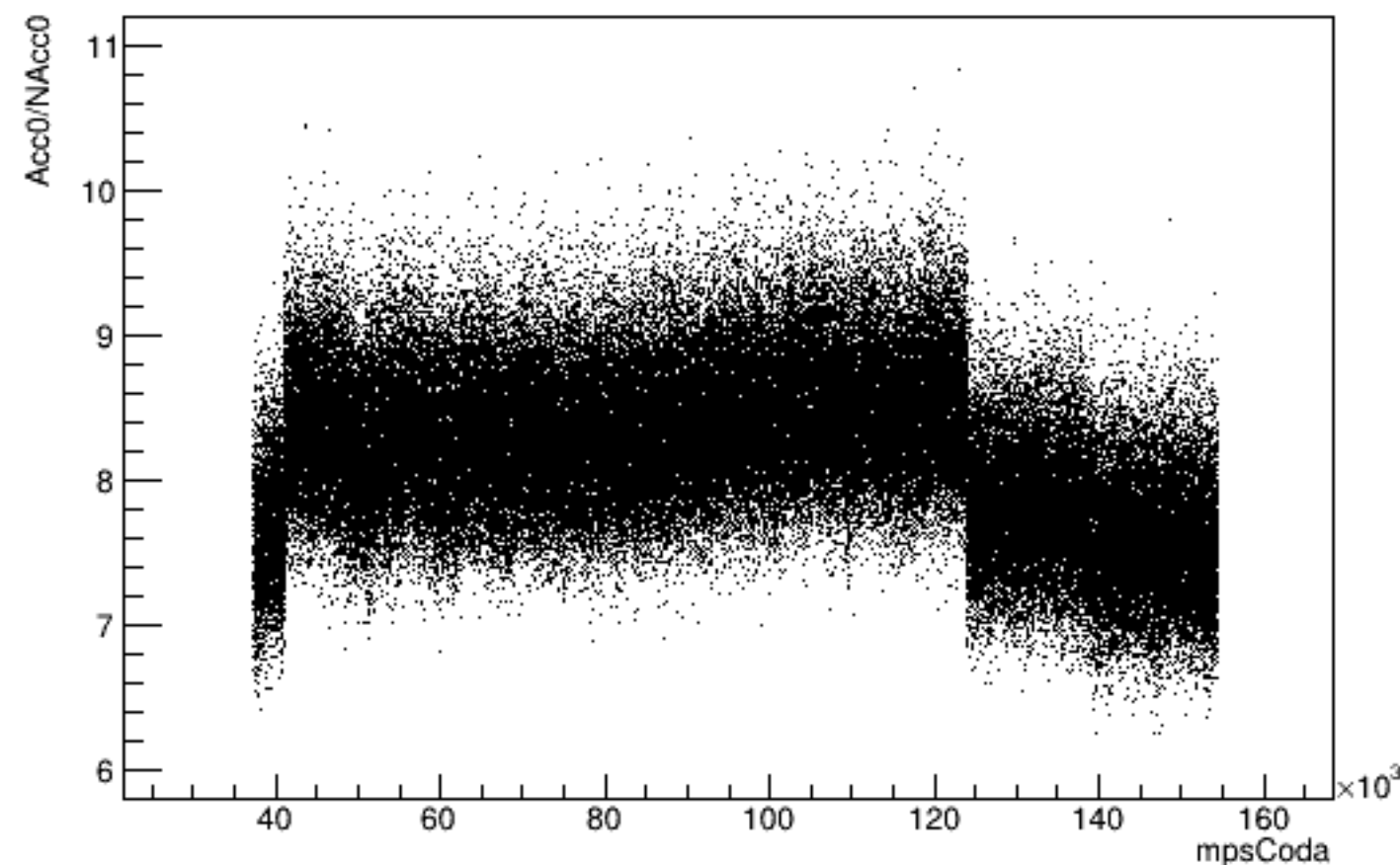
Mean: -0.0007 +/- 0.0031

Std Dev: 0.1924 +/- 0.0022

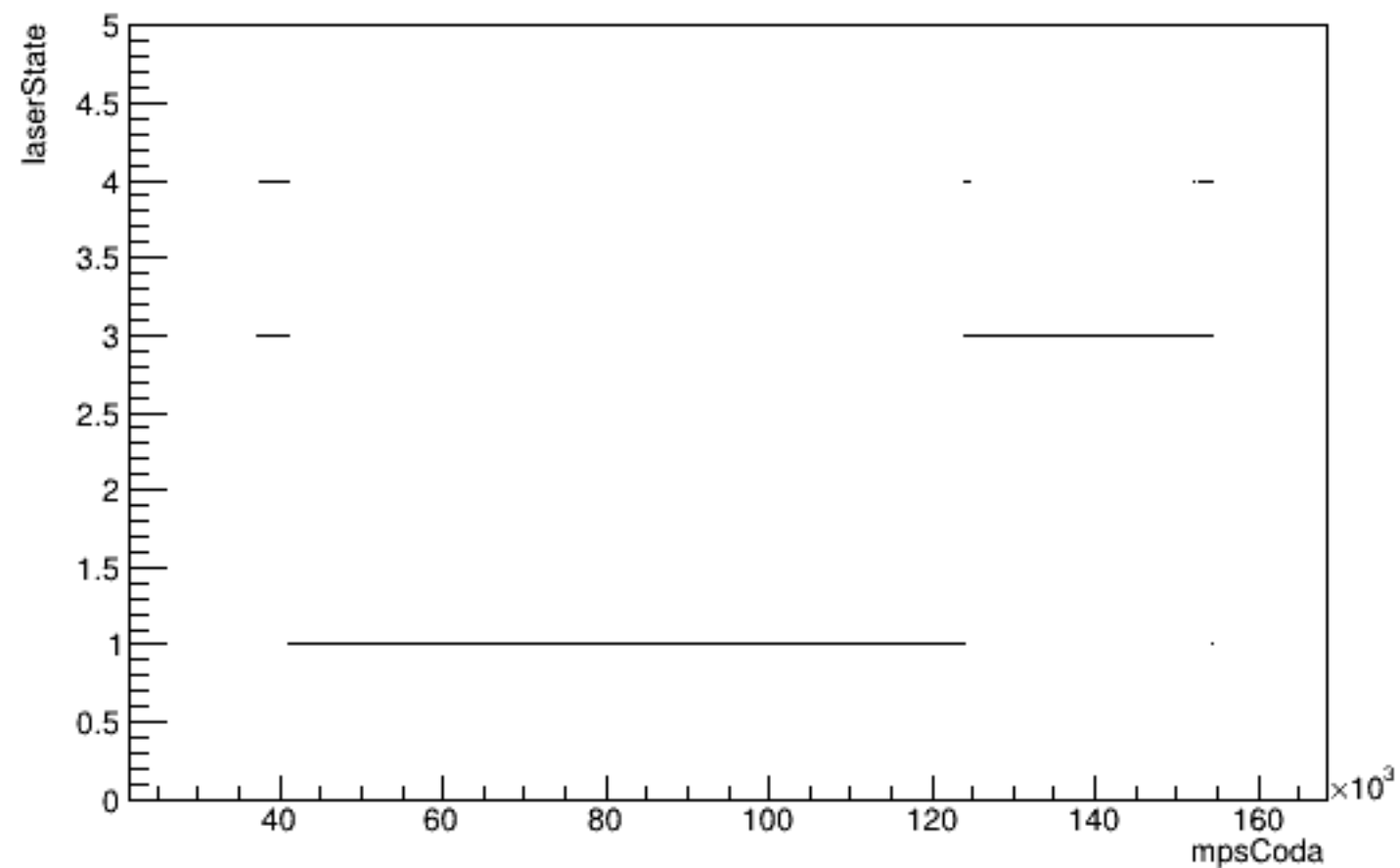
Run 4300 quartetwise, Asyms



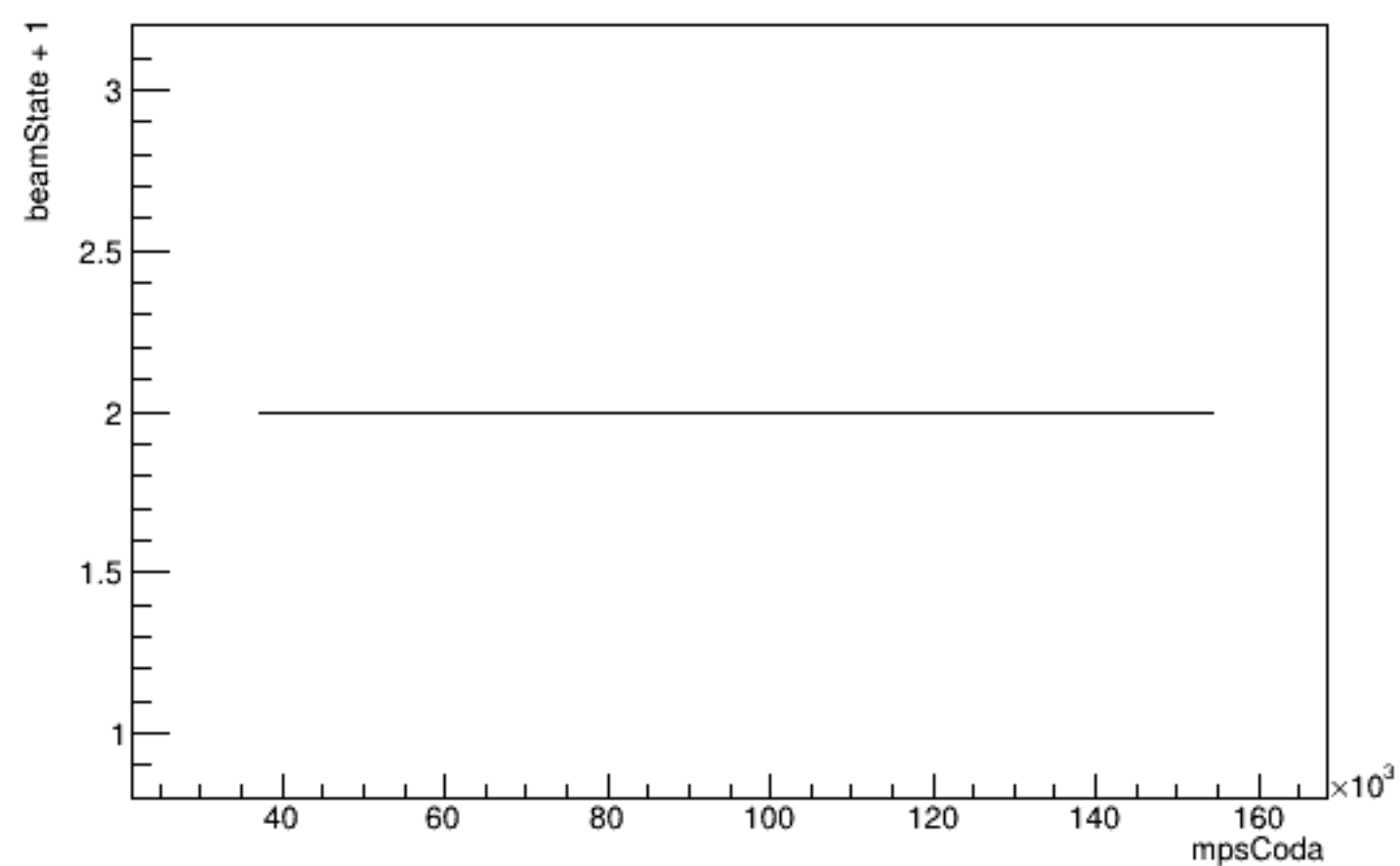
Acc0/NAcc0:mpsCoda {mpsCoda>=37330 && mpsCoda<=154385 && beamState==1}



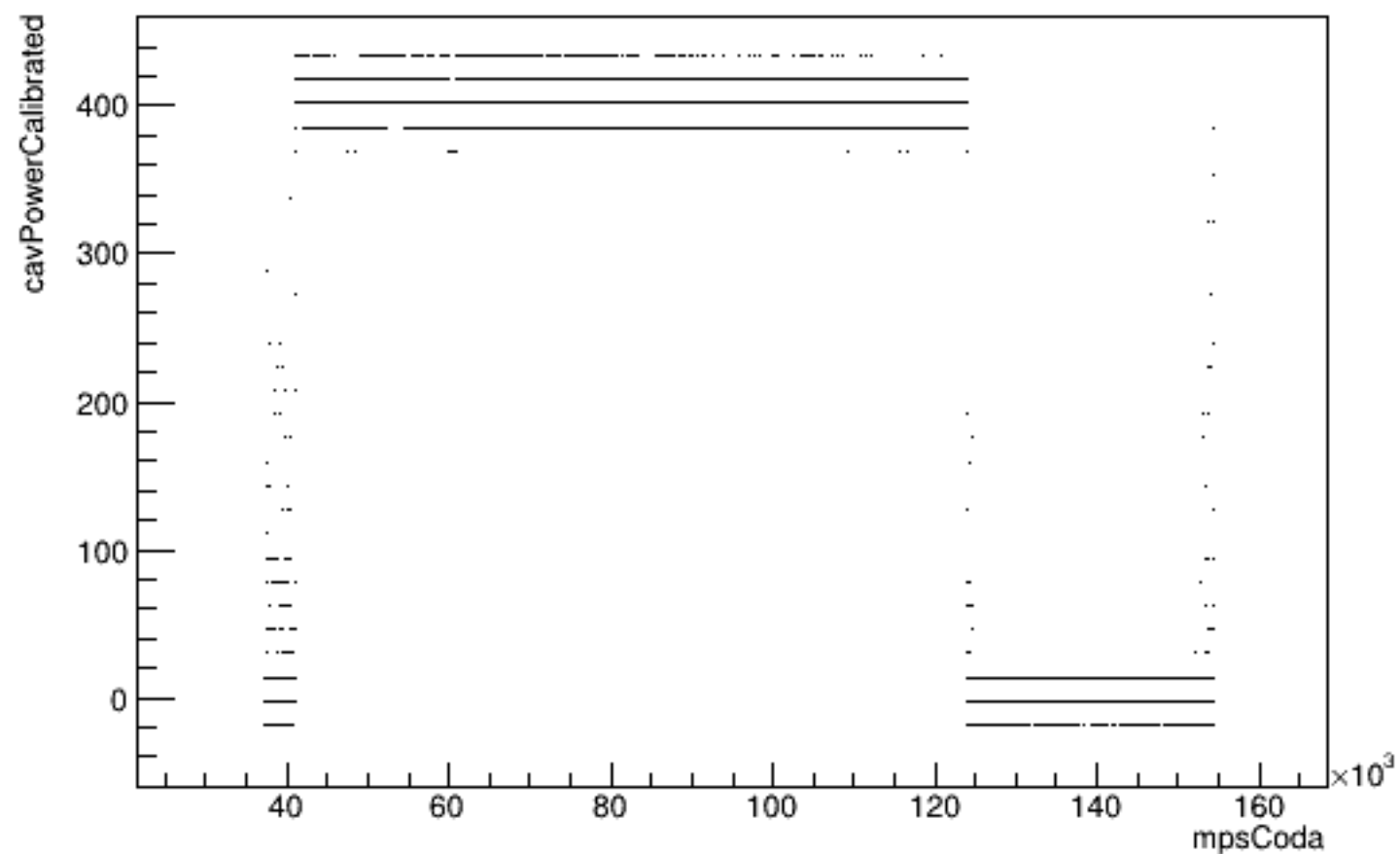
laserState:mpsCoda {mpsCoda>=37330 && mpsCoda<=154385}



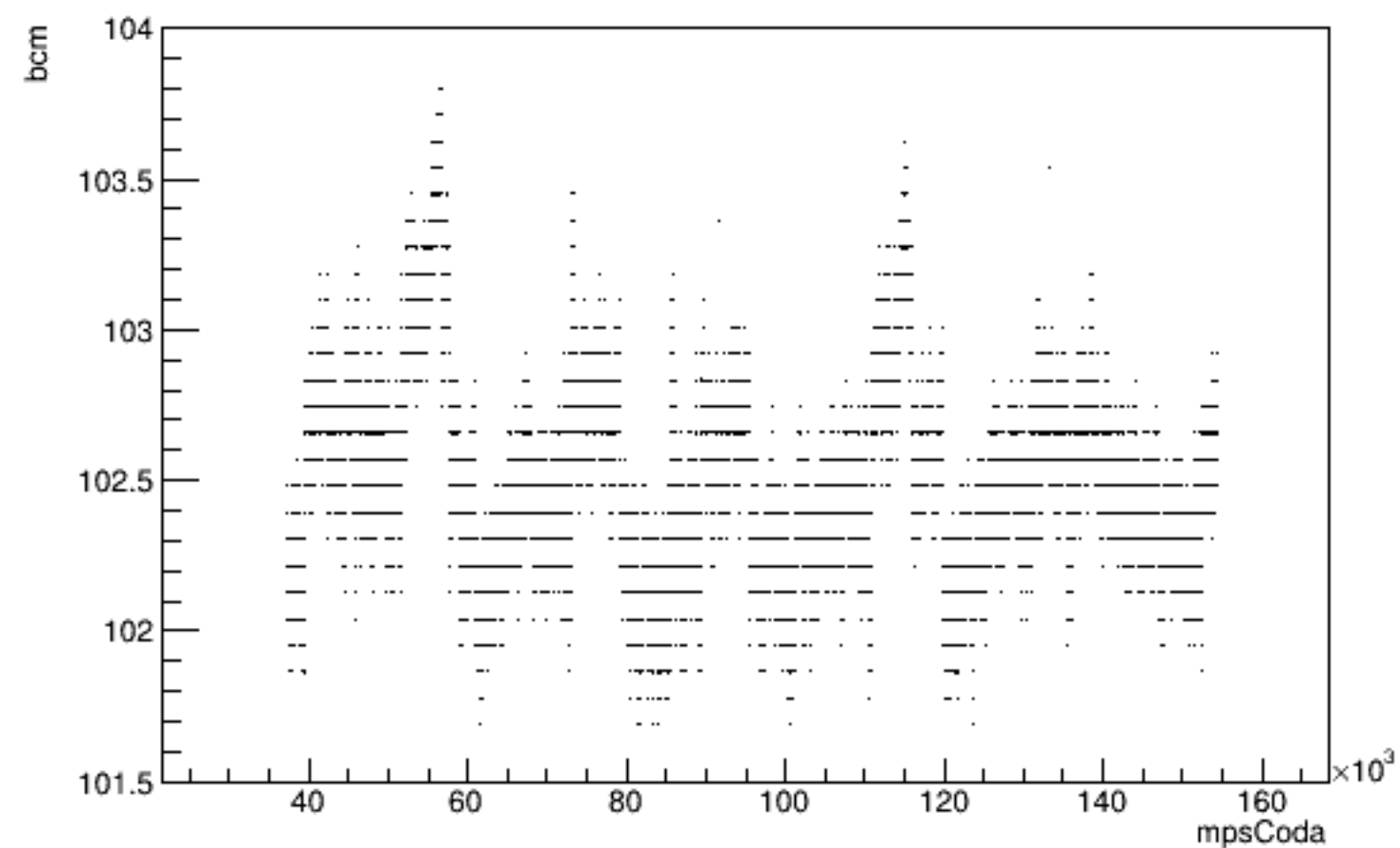
beamState + 1:mpsCoda {mpsCoda>=37330 && mpsCoda<=154385}



cavPowerCalibrated:mpsCoda {mpsCoda>=37330 && mpsCoda<=154385}



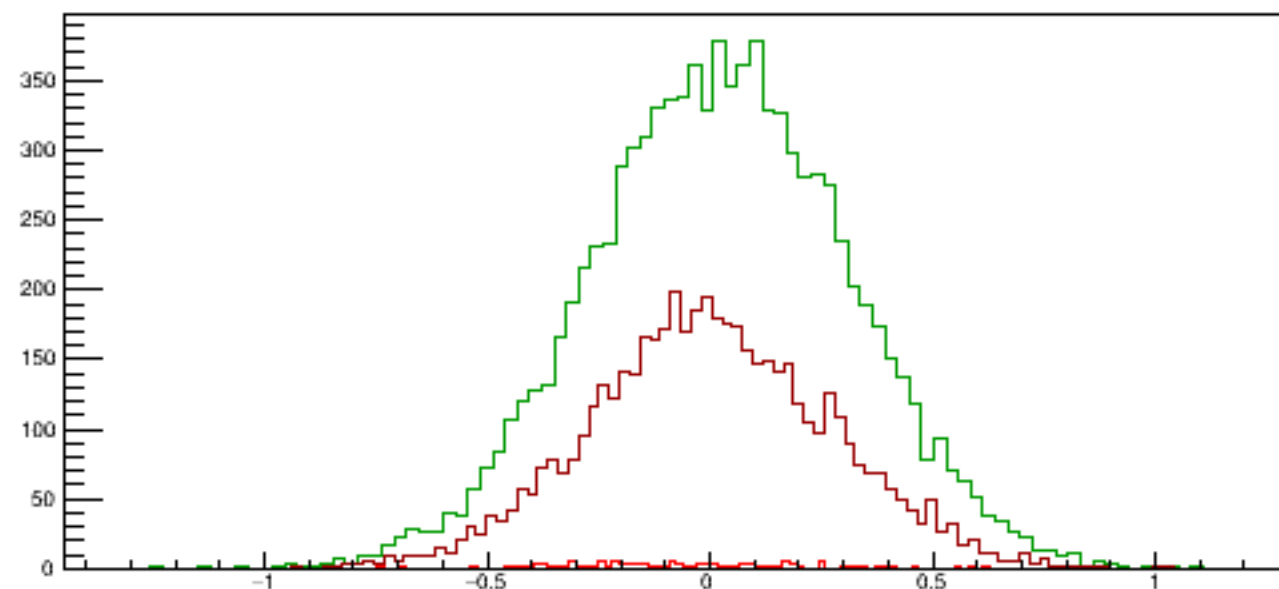
bcm:mpsCoda {mpsCoda>=37330 && mpsCoda<=154385}



Cycle 3, Diffs

Entries: 122	Entries: 9576	Entries: 5200
Mean: -0.0621 +/- 0.0233	Mean: 0.0213 +/- 0.0030	Mean: 0.0003 +/- 0.0038
Std Dev: 0.2576 +/- 0.0165	Std Dev: 0.2887 +/- 0.0021	Std Dev: 0.2713 +/- 0.0027

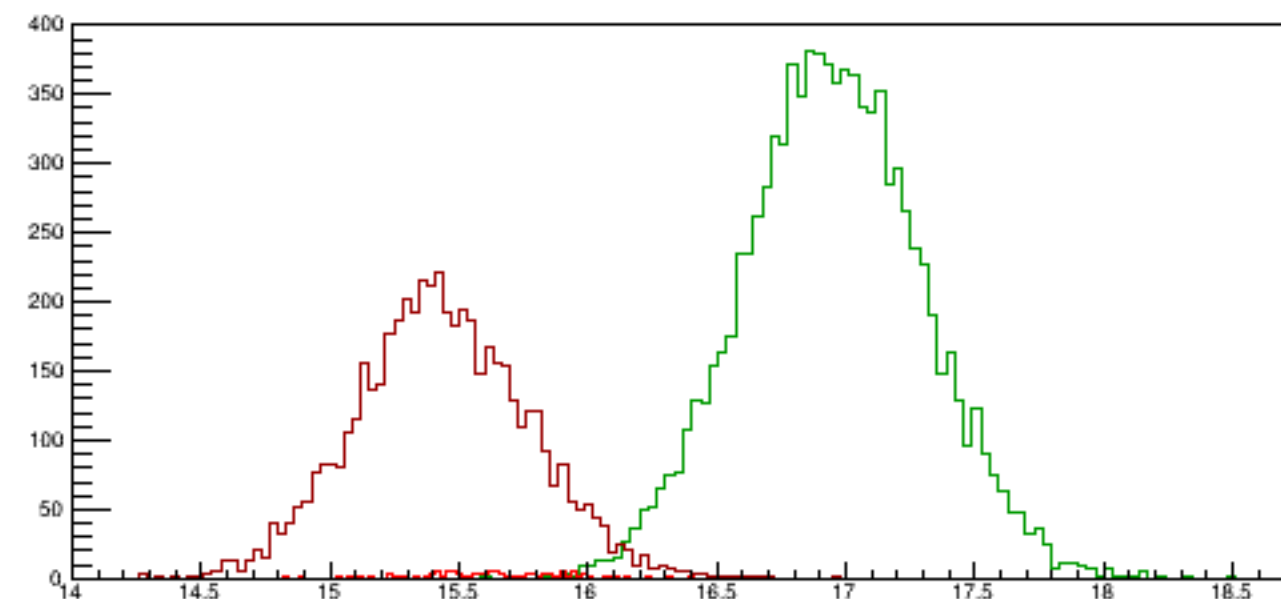
Run 4300 quartetwise, Diffs



Cycle 3, Sums

Entries: 122	Entries: 9576	Entries: 5200
Mean: 15.6641 +/- 0.0284	Mean: 16.9507 +/- 0.0036	Mean: 15.4350 +/- 0.0046
Std Dev: 0.3136 +/- 0.0201	Std Dev: 0.3479 +/- 0.0025	Std Dev: 0.3345 +/- 0.0033

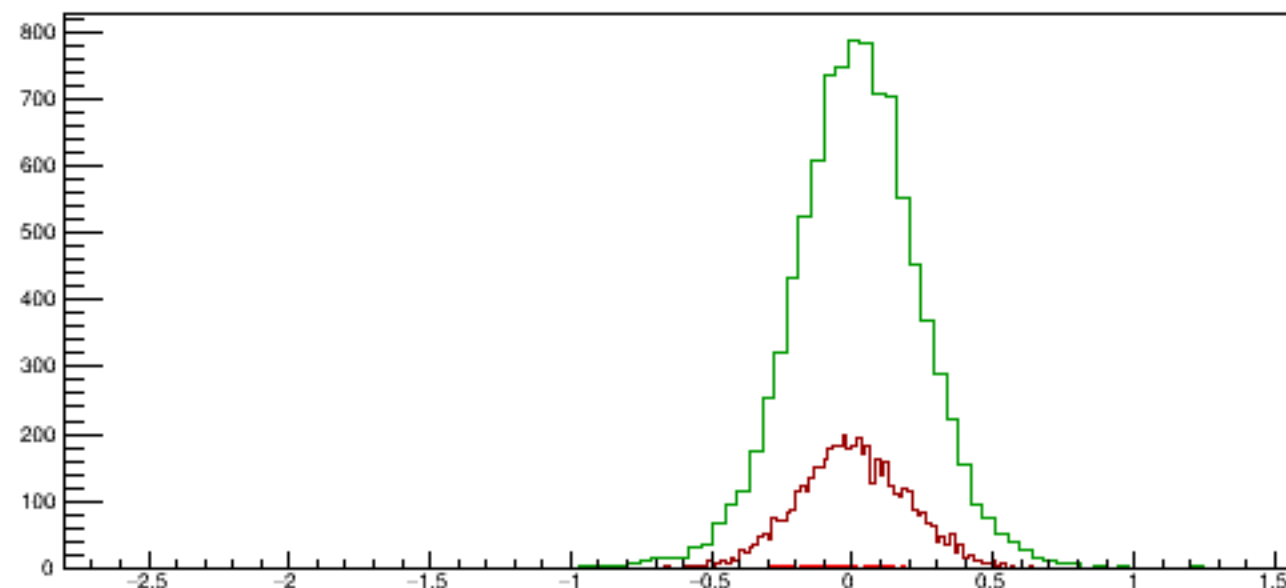
Run 4300 quartetwise, Sums



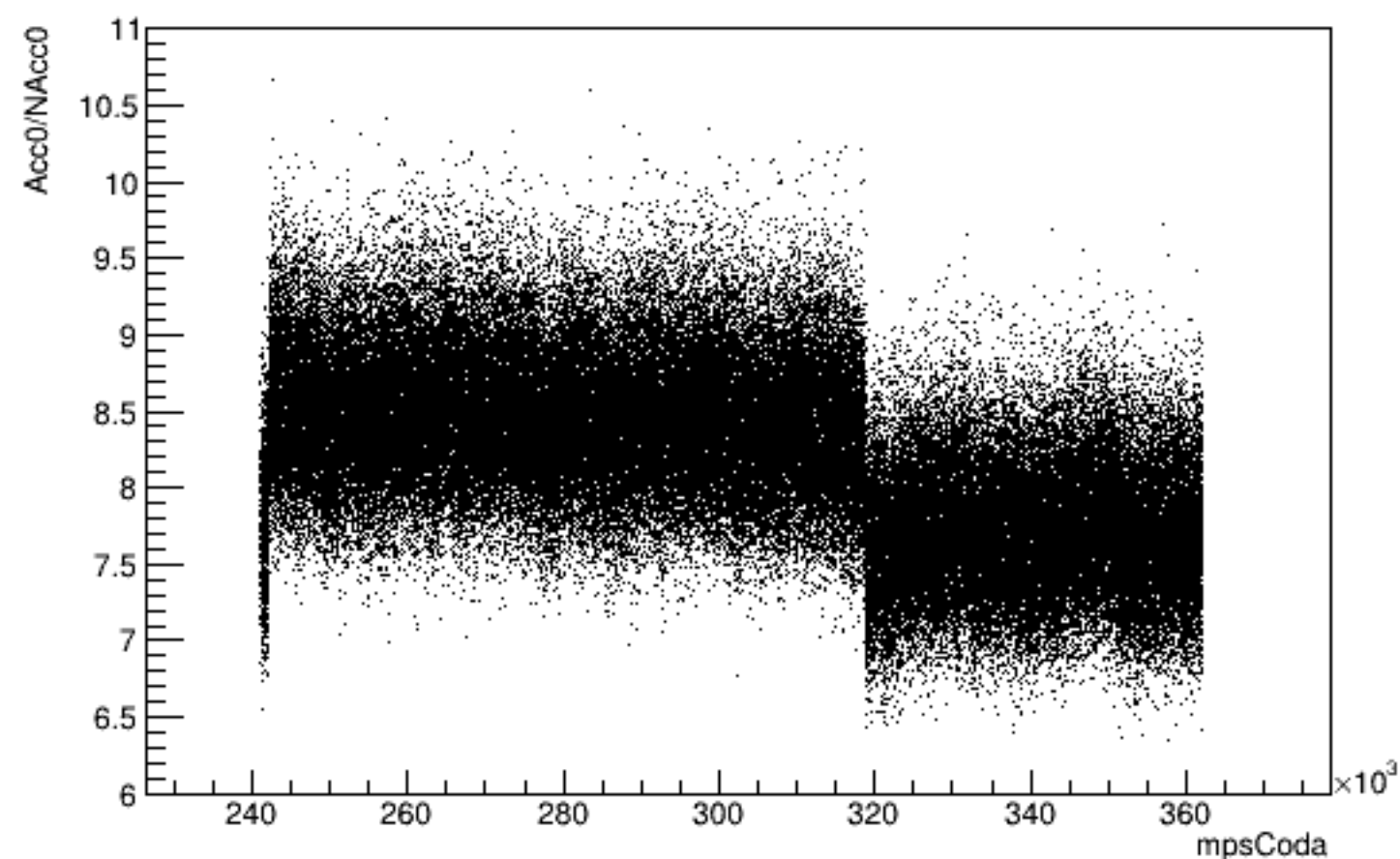
Cycle 3, Asyms

Entries: 122	Entries: 9576	Entries: 5200
Mean: -0.0443 +/- 0.0166	Mean: 0.0157 +/- 0.0023	Mean: 0.0002 +/- 0.0027
Std Dev: 0.1838 +/- 0.0118	Std Dev: 0.2274 +/- 0.0016	Std Dev: 0.1936 +/- 0.0019

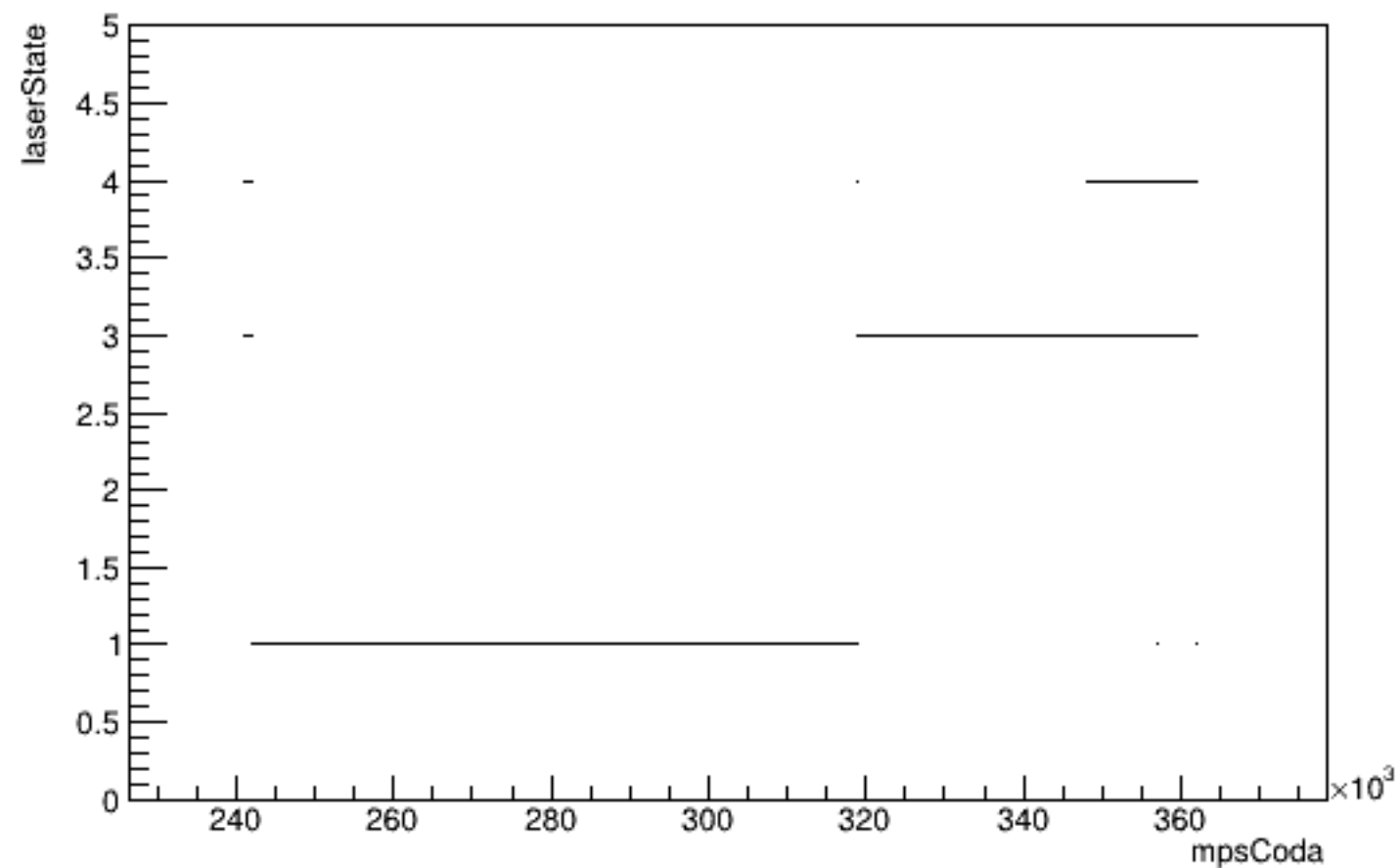
Run 4300 quartetwise, Asyms



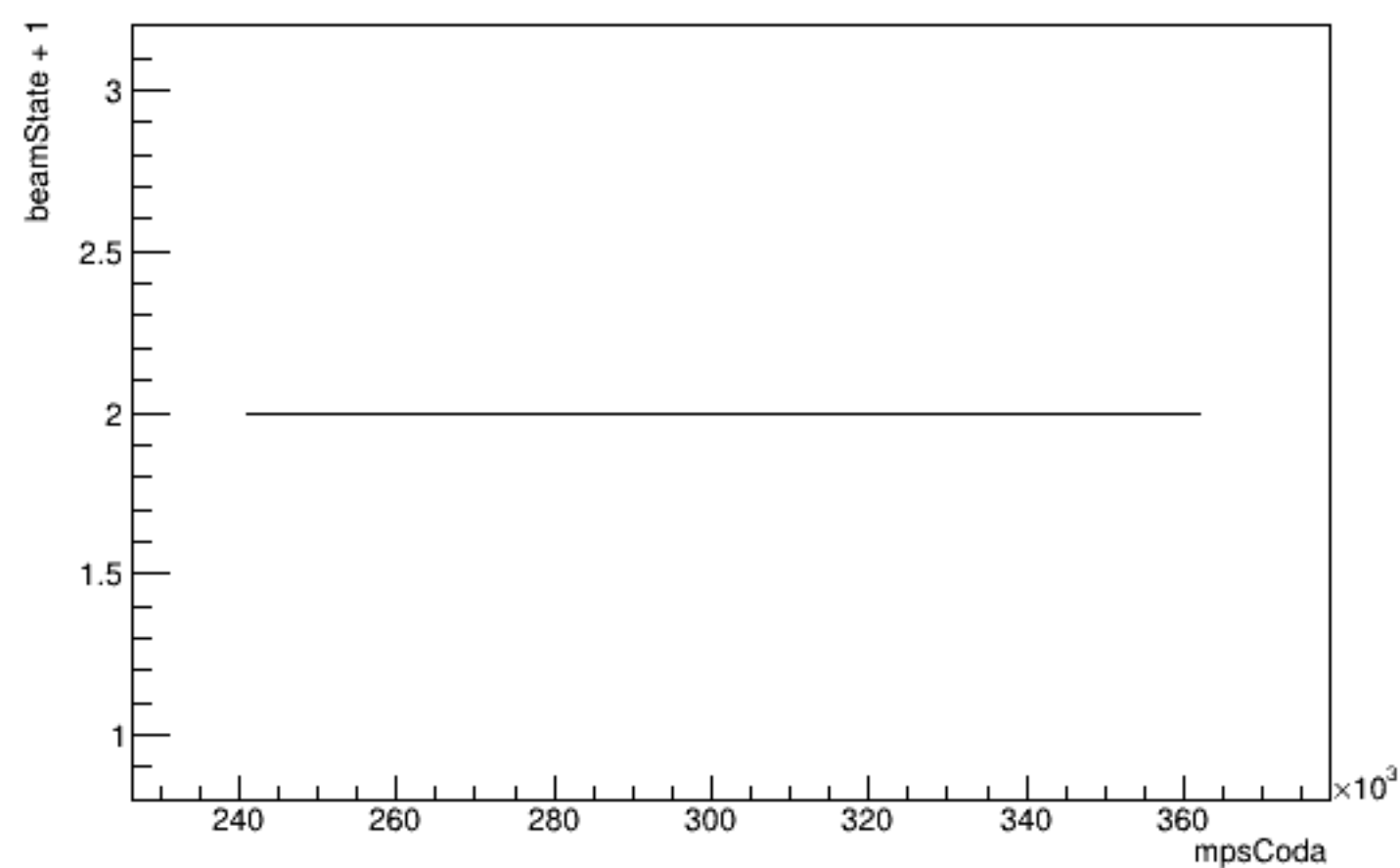
Acc0/NAcc0:mpsCoda (mpsCoda>=241090 && mpsCoda<=362081 && beamState==1)



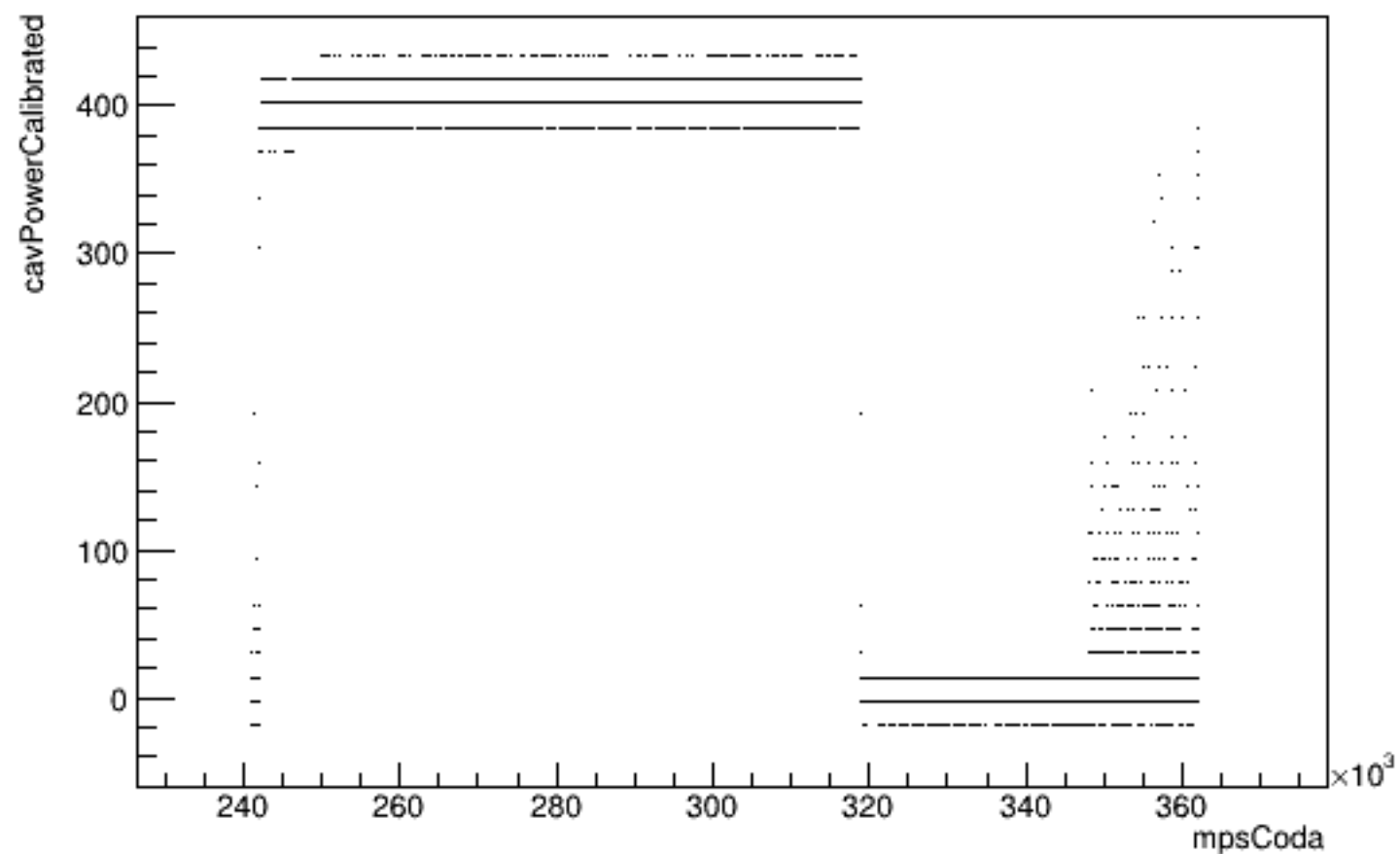
laserState:mpsCoda {mpsCoda>=241090 && mpsCoda<=362081}



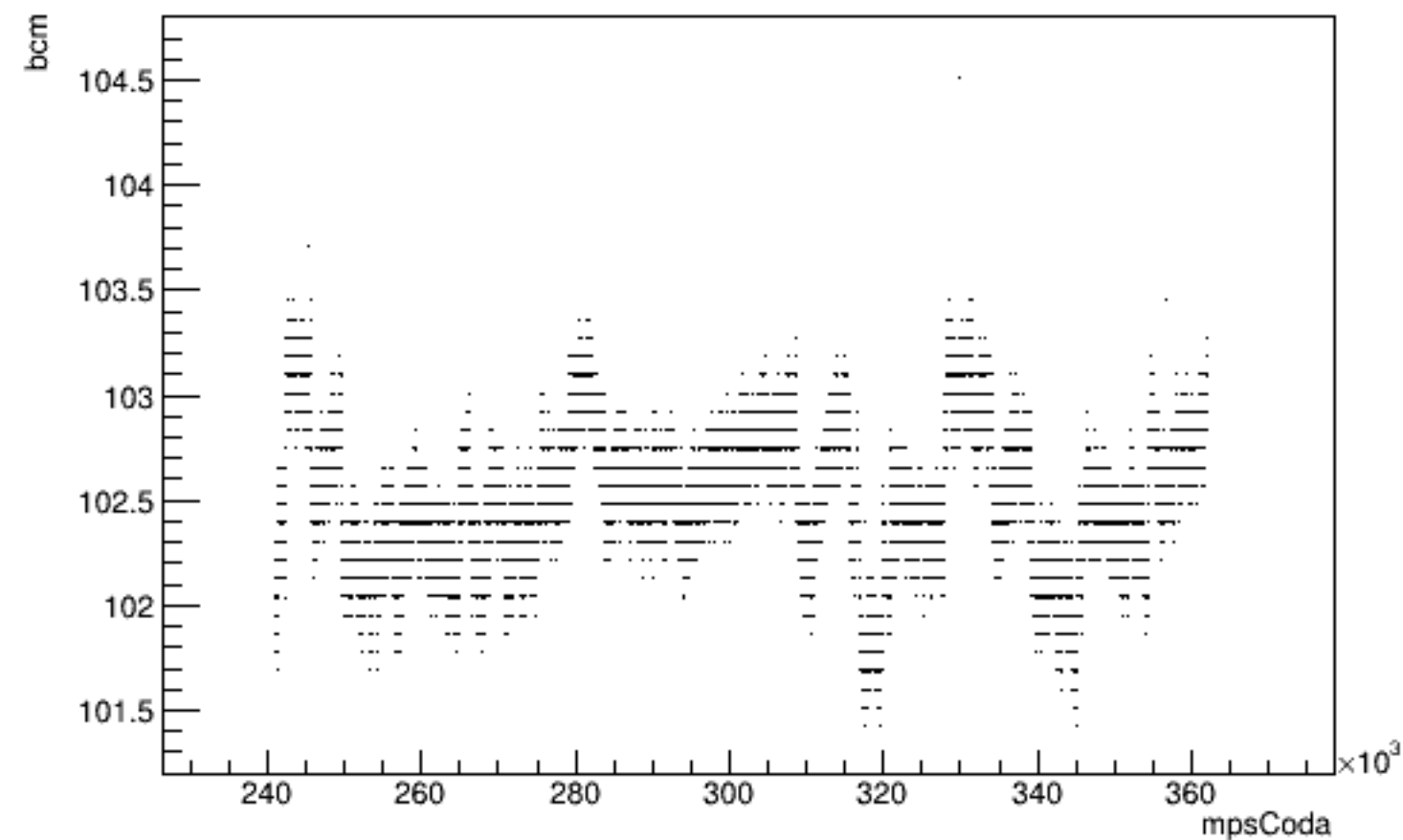
beamState + 1:mpsCoda {mpsCoda>=241090 && mpsCoda<=362081}



cavPowerCalibrated:mpsCoda {mpsCoda>=241090 && mpsCoda<=362081}



bcm:mpsCoda {mpsCoda>=241090 && mpsCoda<=362081}



Cycle 4, Diffs

Entries: 8275

Mean: -0.0021 +/- 0.0030

Std Dev: 0.2718 +/- 0.0021

Entries: 936

Mean: 0.0160 +/- 0.0094

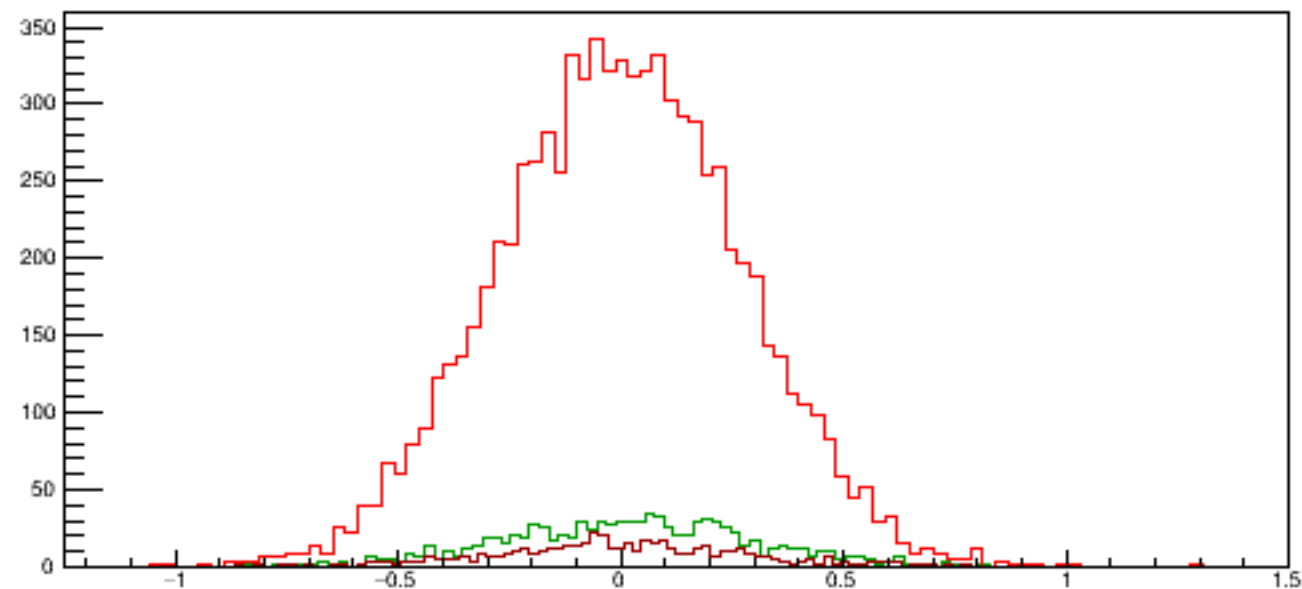
Std Dev: 0.2862 +/- 0.0066

Entries: 508

Mean: 0.0006 +/- 0.0126

Std Dev: 0.2843 +/- 0.0089

Run 4300 quartetwise, Diffs



Cycle 4, Sums

Entries: 8275

Mean: 15.2910 +/- 0.0037

Std Dev: 0.3330 +/- 0.0026

Entries: 936

Mean: 16.8451 +/- 0.0109

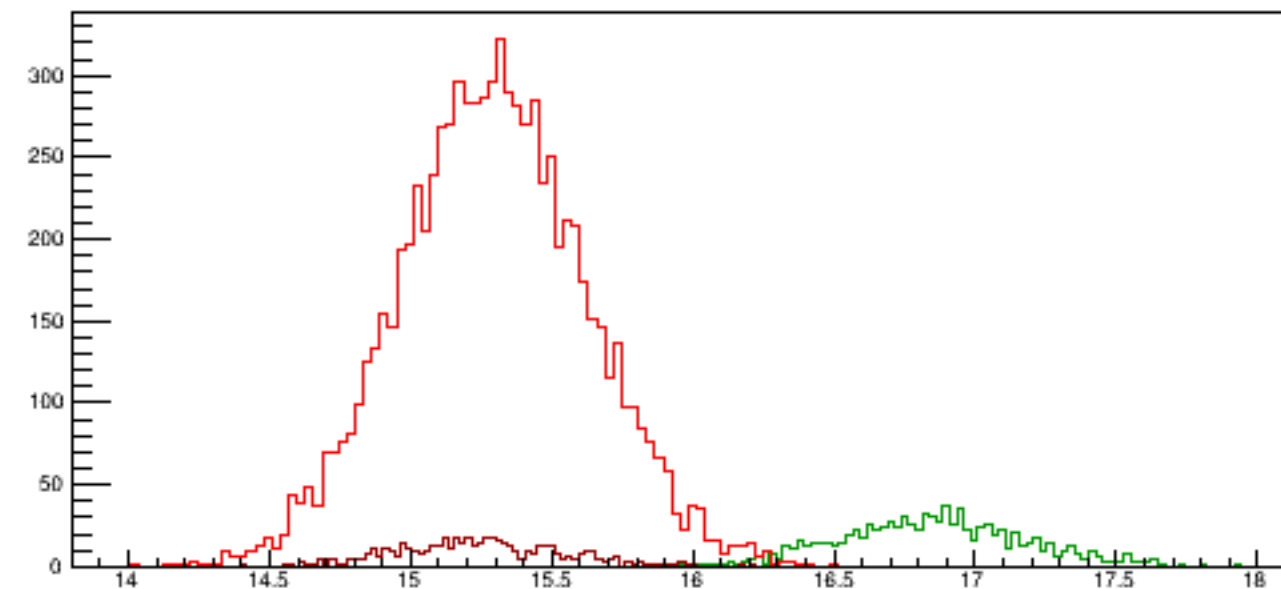
Std Dev: 0.3334 +/- 0.0077

Entries: 508

Mean: 15.2435 +/- 0.0132

Std Dev: 0.2967 +/- 0.0093

Run 4300 quartetwise, Sums



Cycle 4, Asyms

Entries: 8275

Mean: -0.0013 +/- 0.0019

Std Dev: 0.1723 +/- 0.0013

Entries: 936

Mean: 0.0121 +/- 0.0062

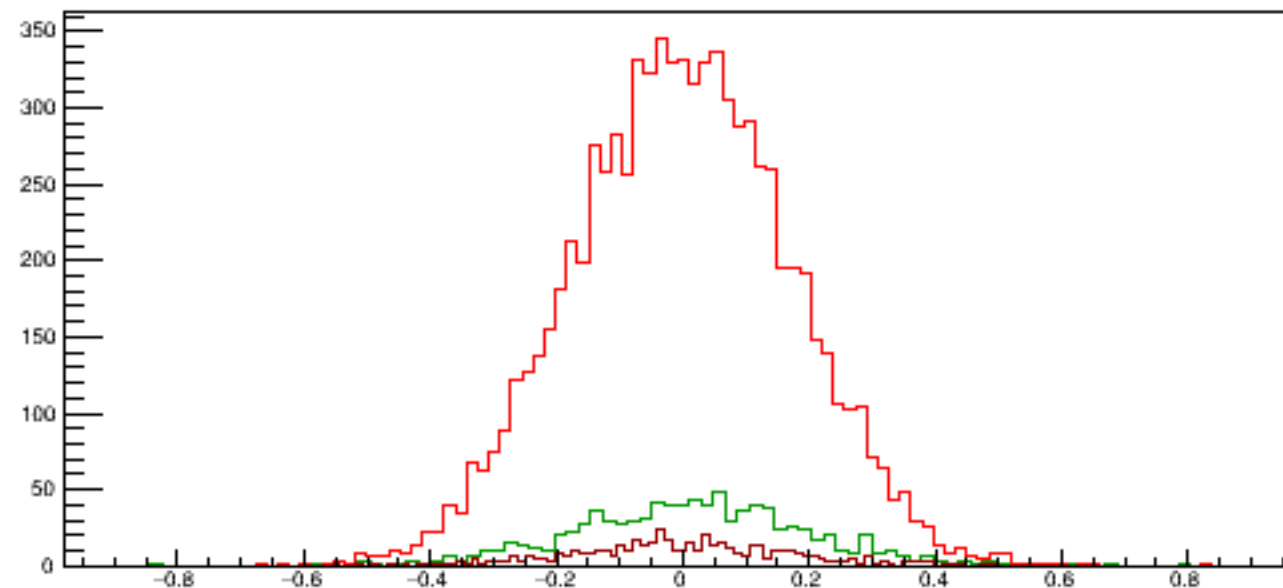
Std Dev: 0.1899 +/- 0.0044

Entries: 508

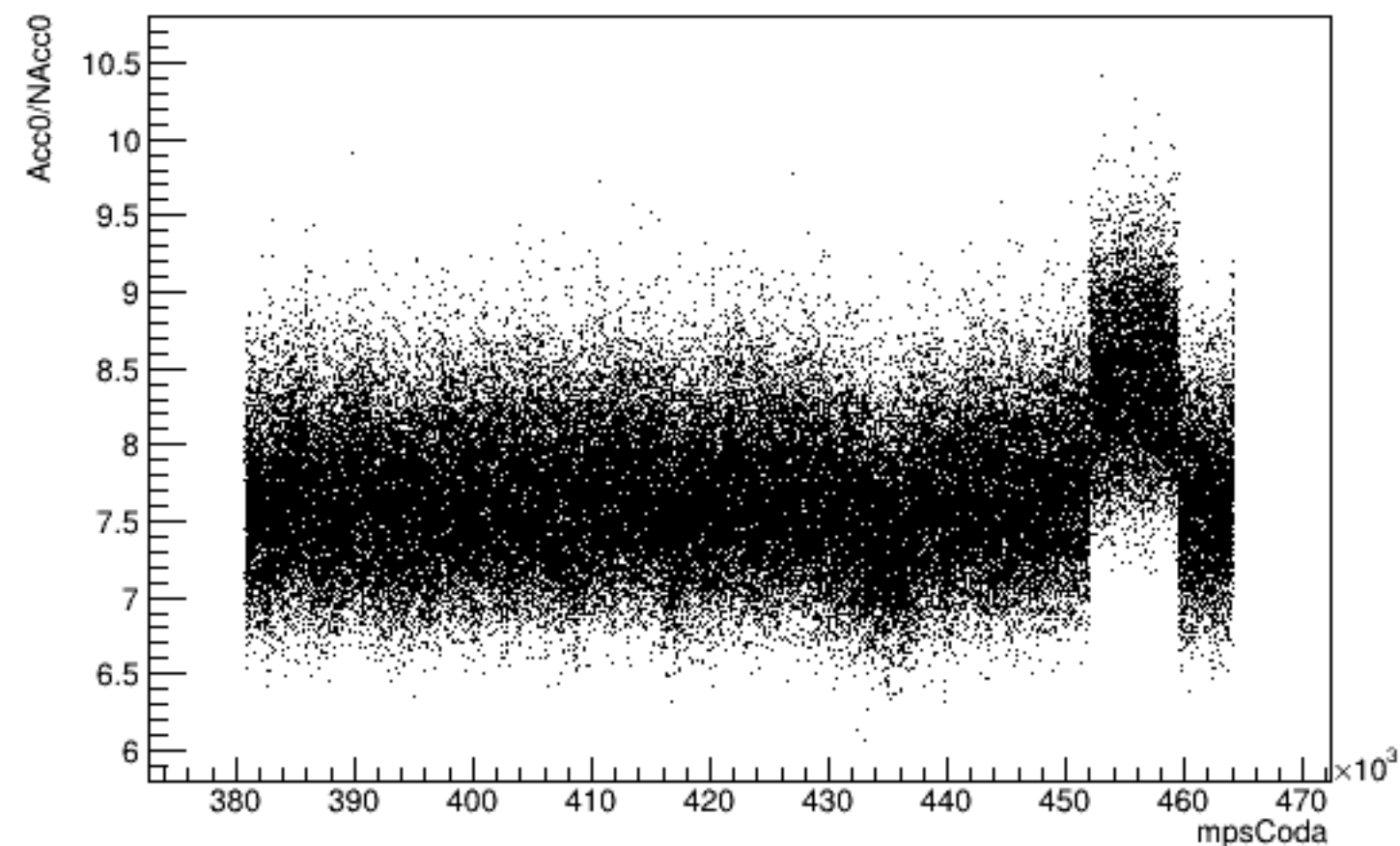
Mean: 0.0004 +/- 0.0080

Std Dev: 0.1802 +/- 0.0057

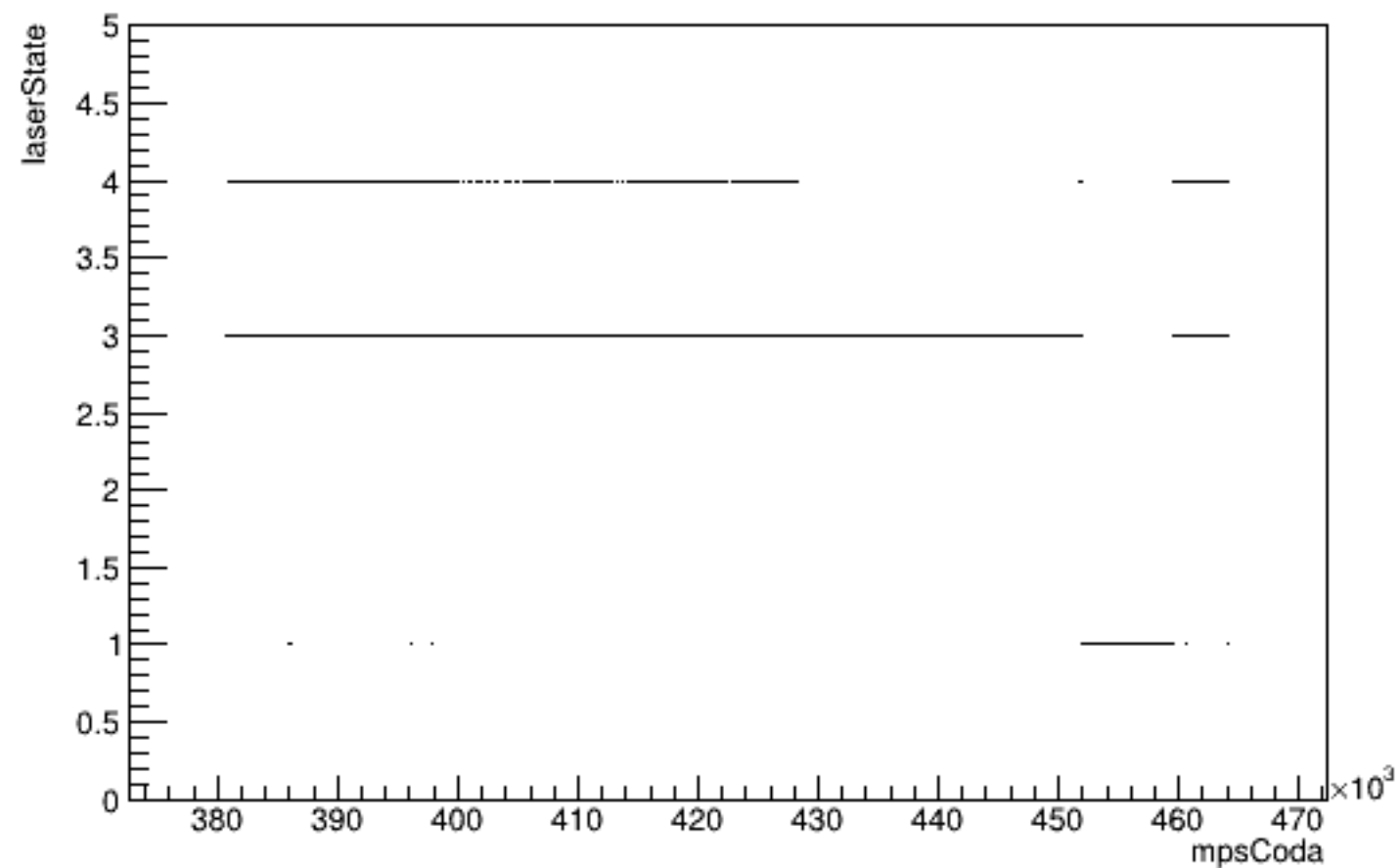
Run 4300 quartetwise, Asyms



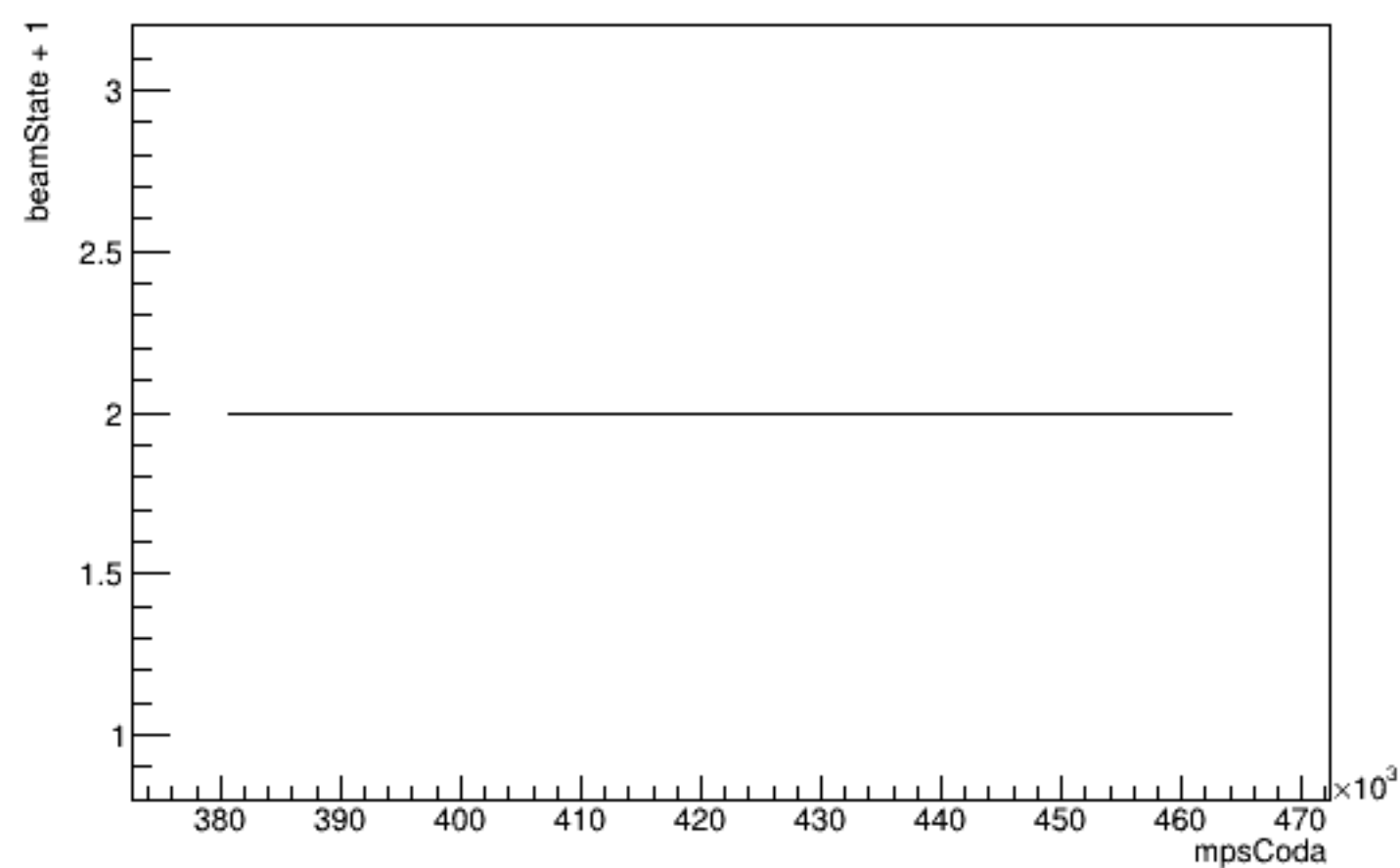
Acc0/NAcc0:mpsCoda (mpsCoda>=380786 && mpsCoda<=464145 && beamState==1)



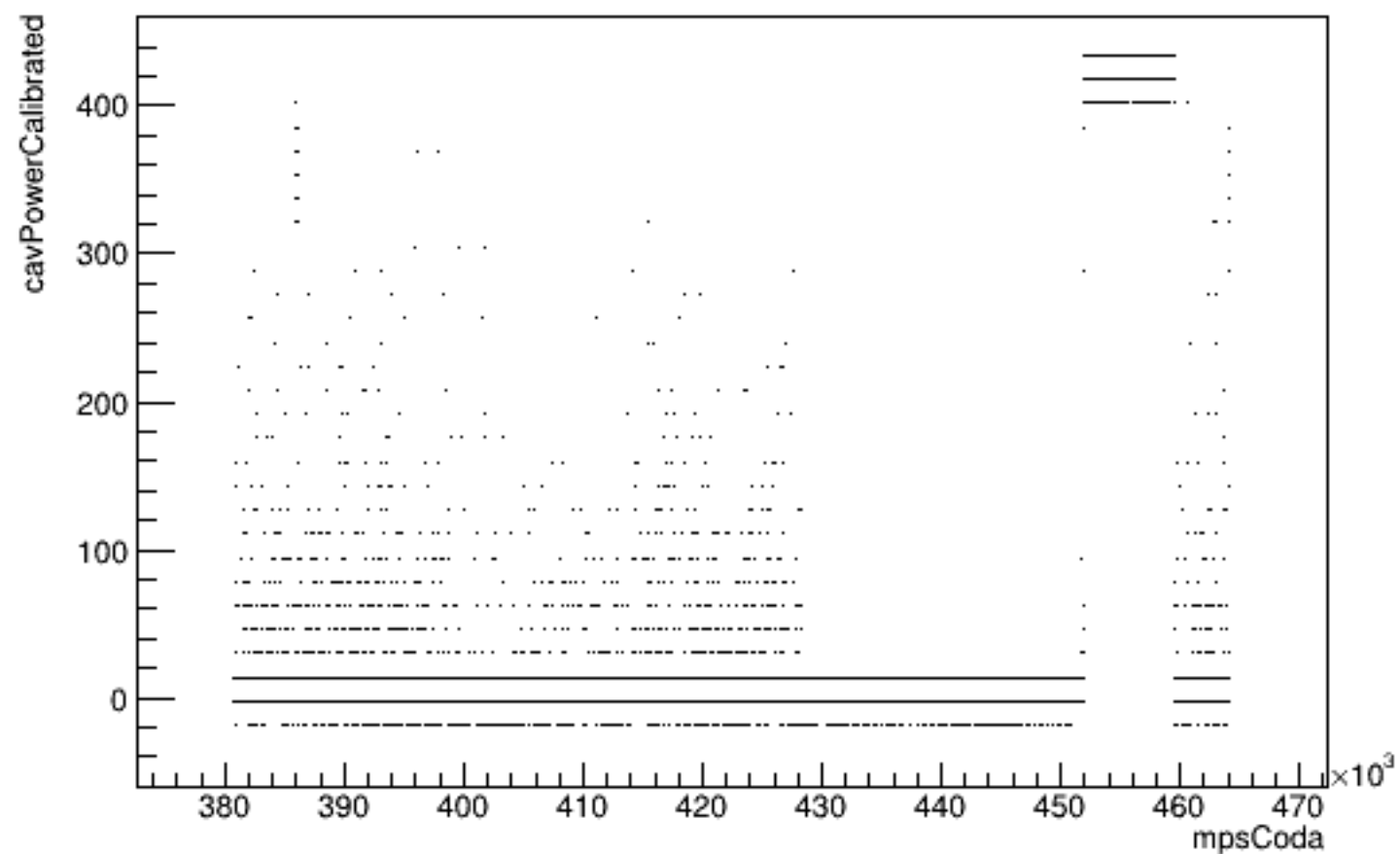
laserState:mpsCoda {mpsCoda>=380786 && mpsCoda<=464145}



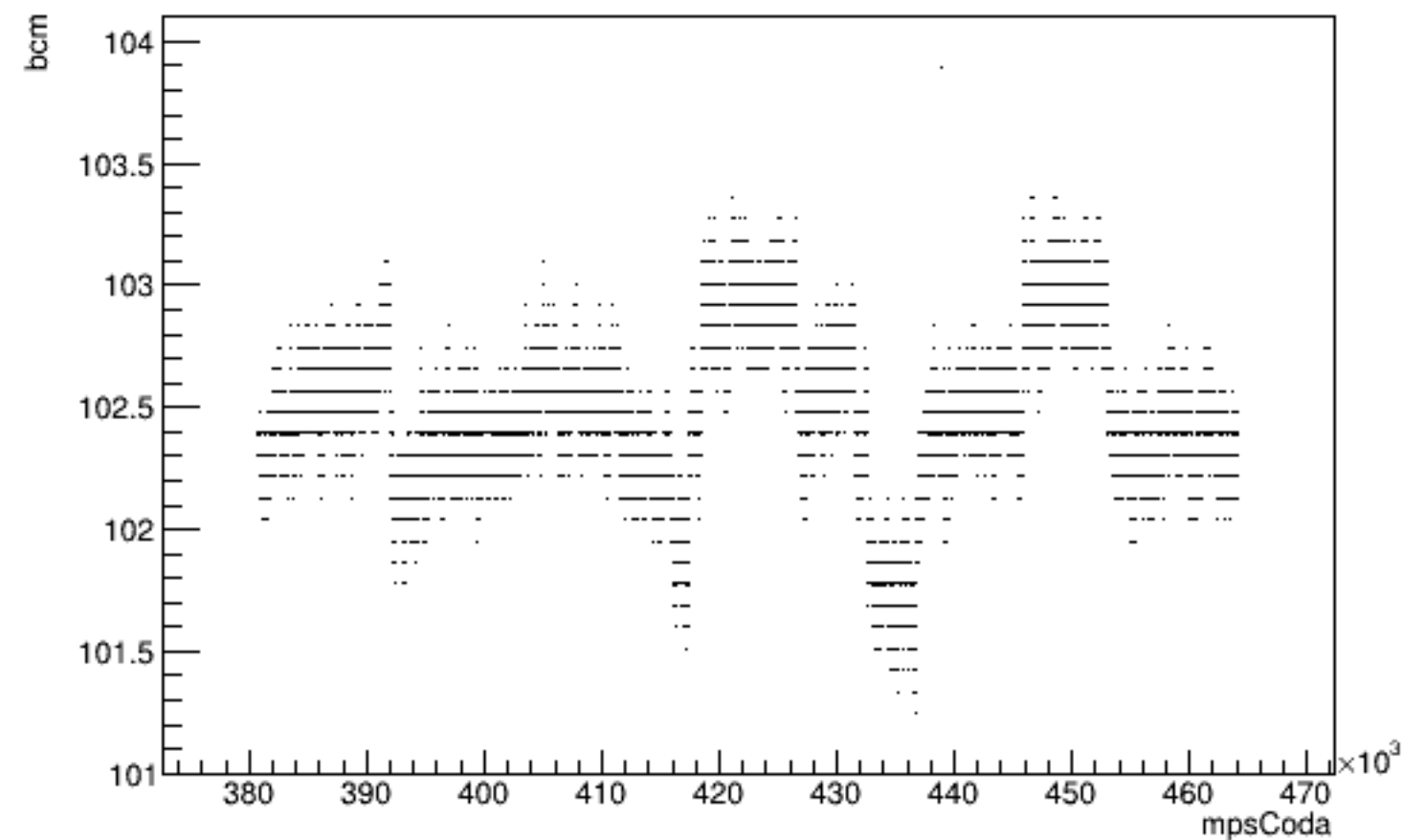
beamState + 1:mpsCoda {mpsCoda>=380786 && mpsCoda<=464145}



cavPowerCalibrated:mpsCoda {mpsCoda>=380786 && mpsCoda<=464145}



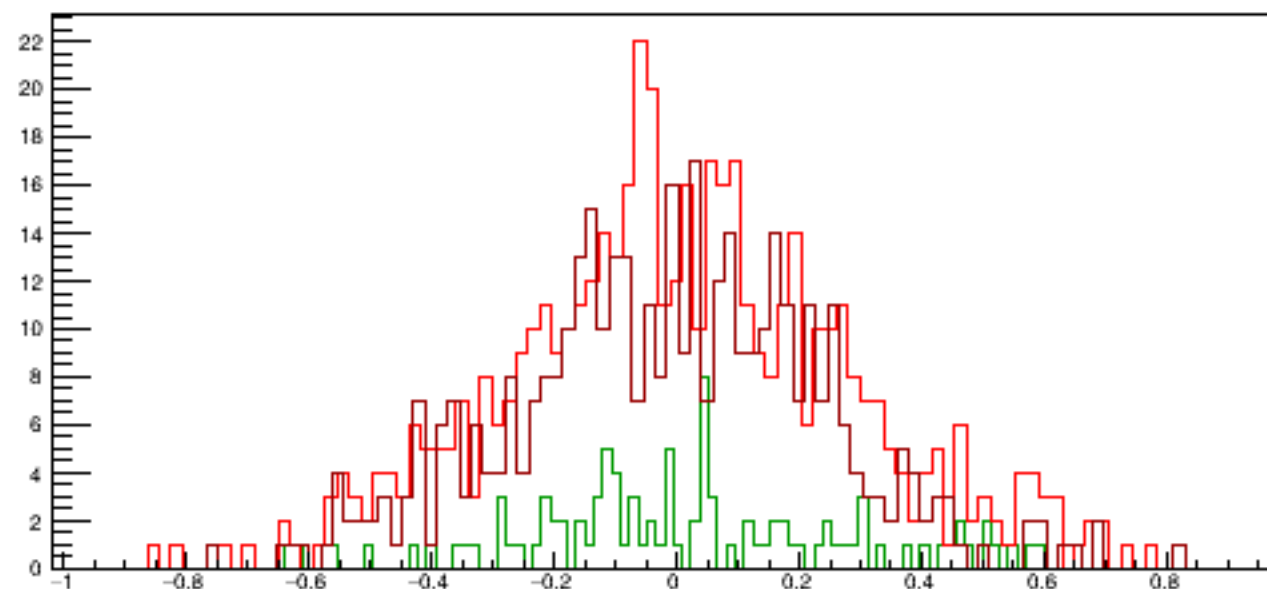
bcm:mpsCoda {mpsCoda>=380786 && mpsCoda<=464145}



Cycle 5, Diffs

Entries: 508	Entries: 99	Entries: 405
Mean: 0.0006 +/- 0.0126	Mean: 0.0123 +/- 0.0278	Mean: -0.0144 +/- 0.0127
Std Dev: 0.2843 +/- 0.0089	Std Dev: 0.2765 +/- 0.0196	Std Dev: 0.2550 +/- 0.0090

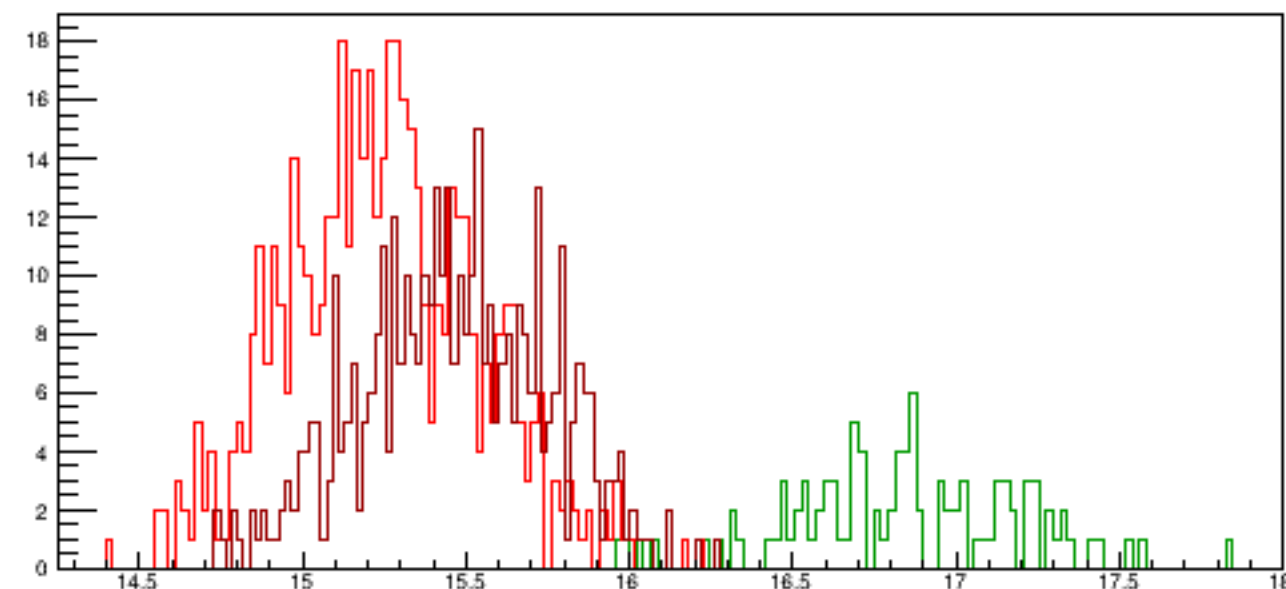
Run 4300 quartetwise, Diffs



Cycle 5, Sums

Entries: 508	Entries: 99	Entries: 405
Mean: 15.2435 +/- 0.0132	Mean: 16.8385 +/- 0.0357	Mean: 15.4604 +/- 0.0144
Std Dev: 0.2967 +/- 0.0093	Std Dev: 0.3552 +/- 0.0252	Std Dev: 0.2895 +/- 0.0102

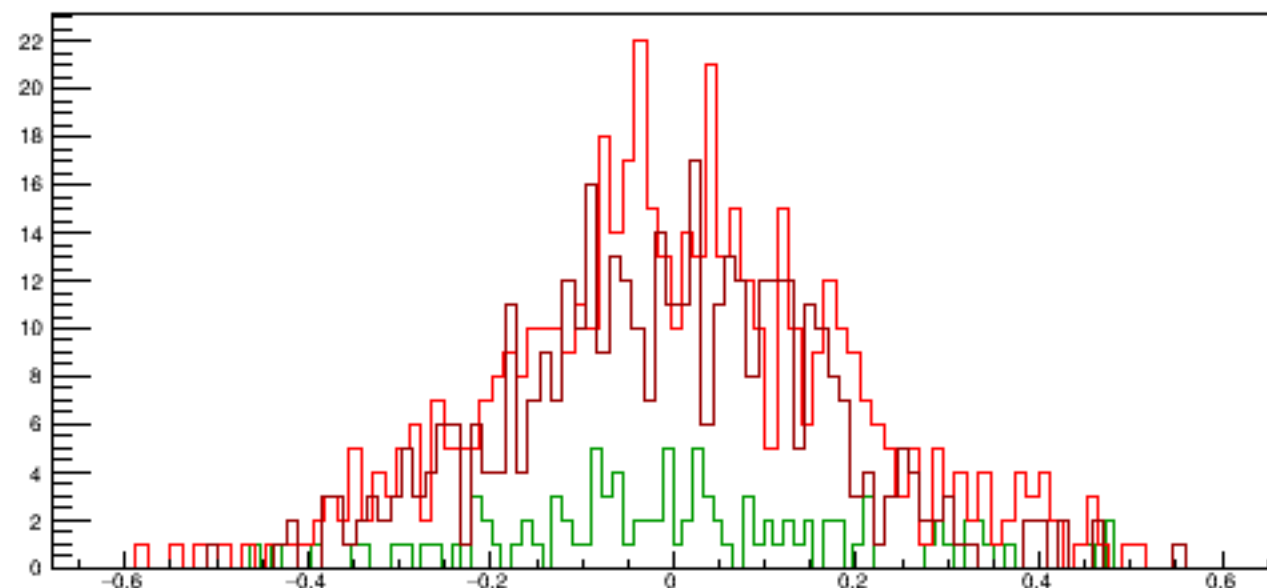
Run 4300 quartetwise, Sums



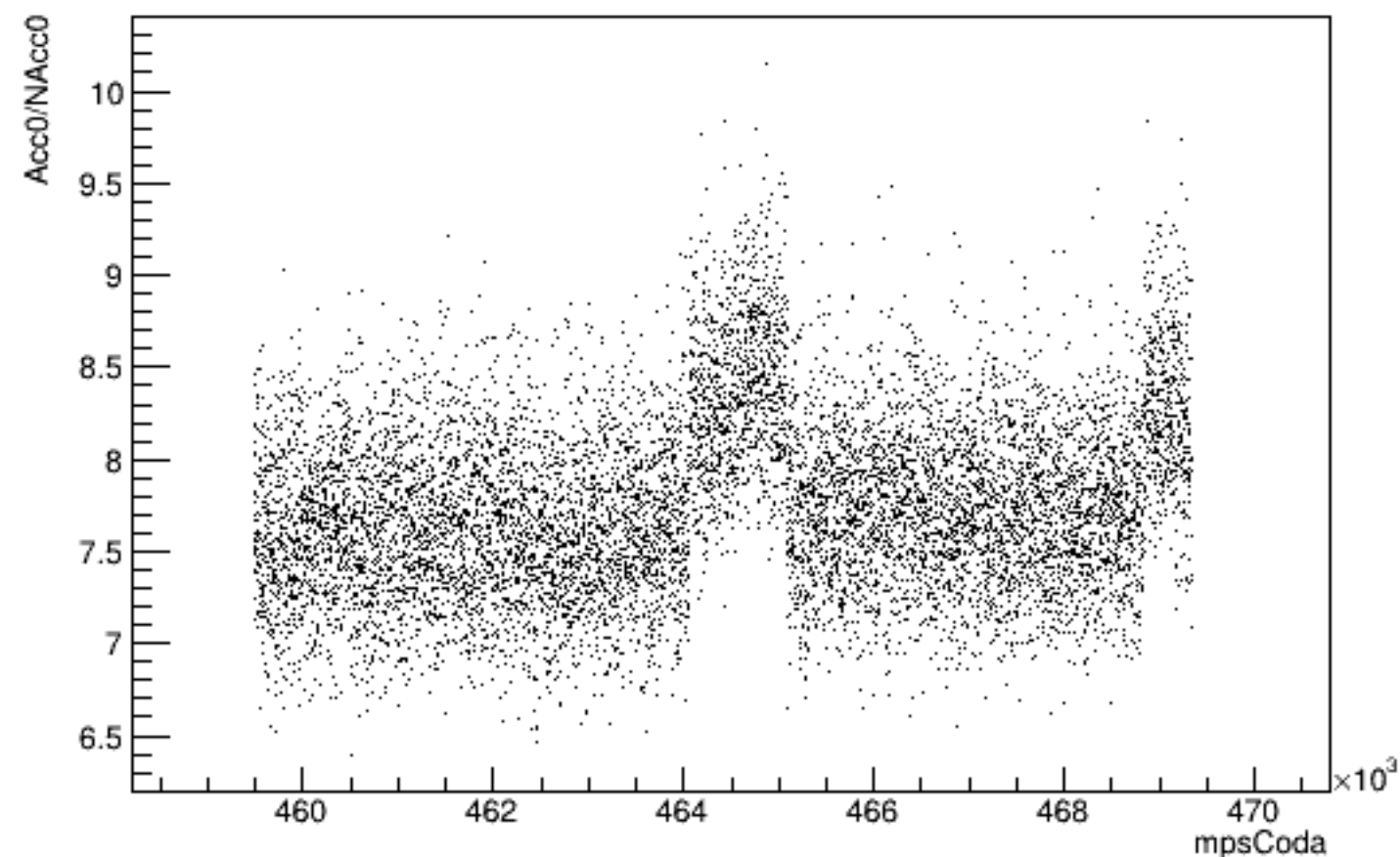
Cycle 5, Asyms

Entries: 508	Entries: 99	Entries: 405
Mean: 0.0004 +/- 0.0085	Mean: 0.0117 +/- 0.0203	Mean: -0.0097 +/- 0.0085
Std Dev: 0.1913 +/- 0.0060	Std Dev: 0.2019 +/- 0.0143	Std Dev: 0.1716 +/- 0.0060

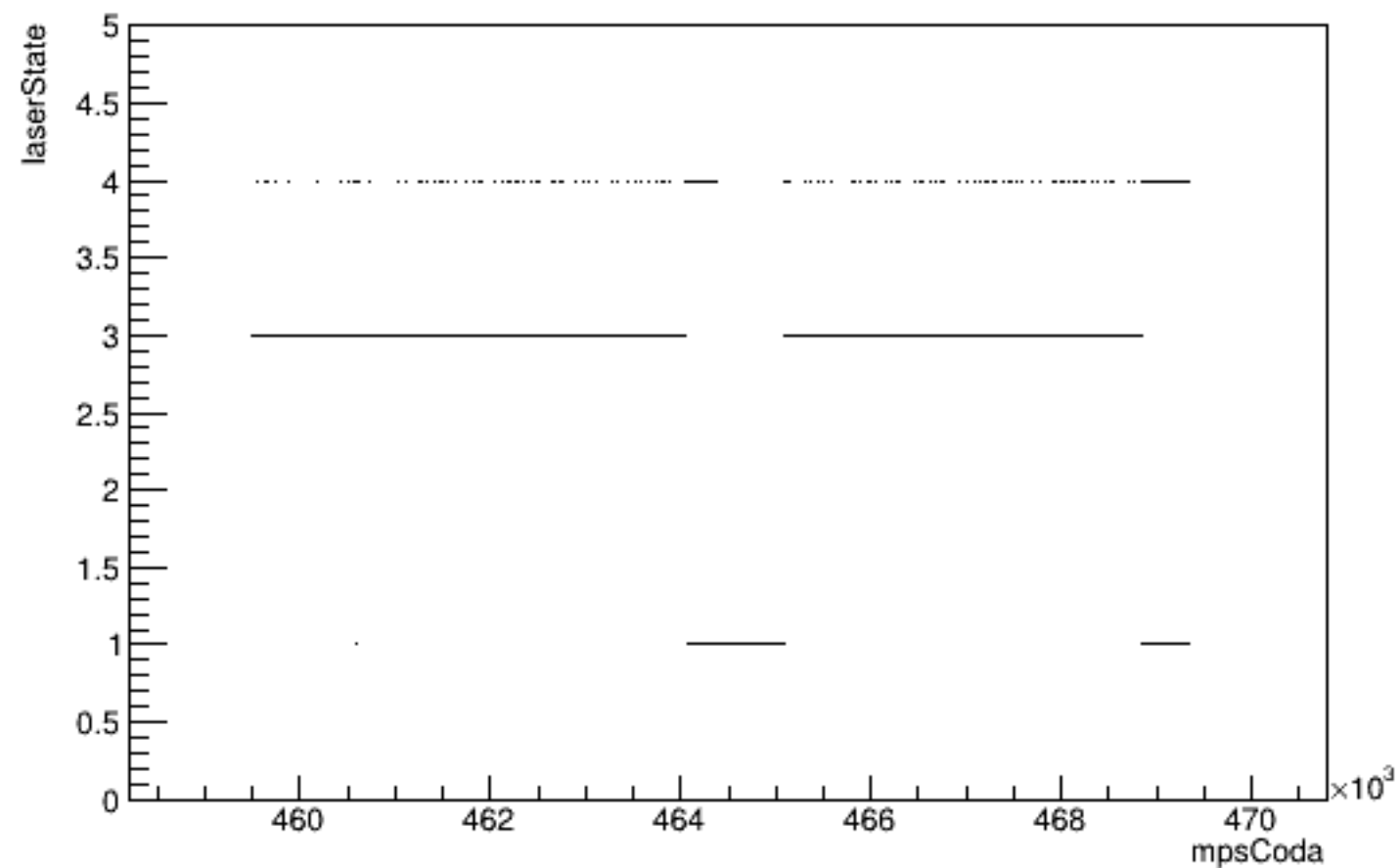
Run 4300 quartetwise, Asyms



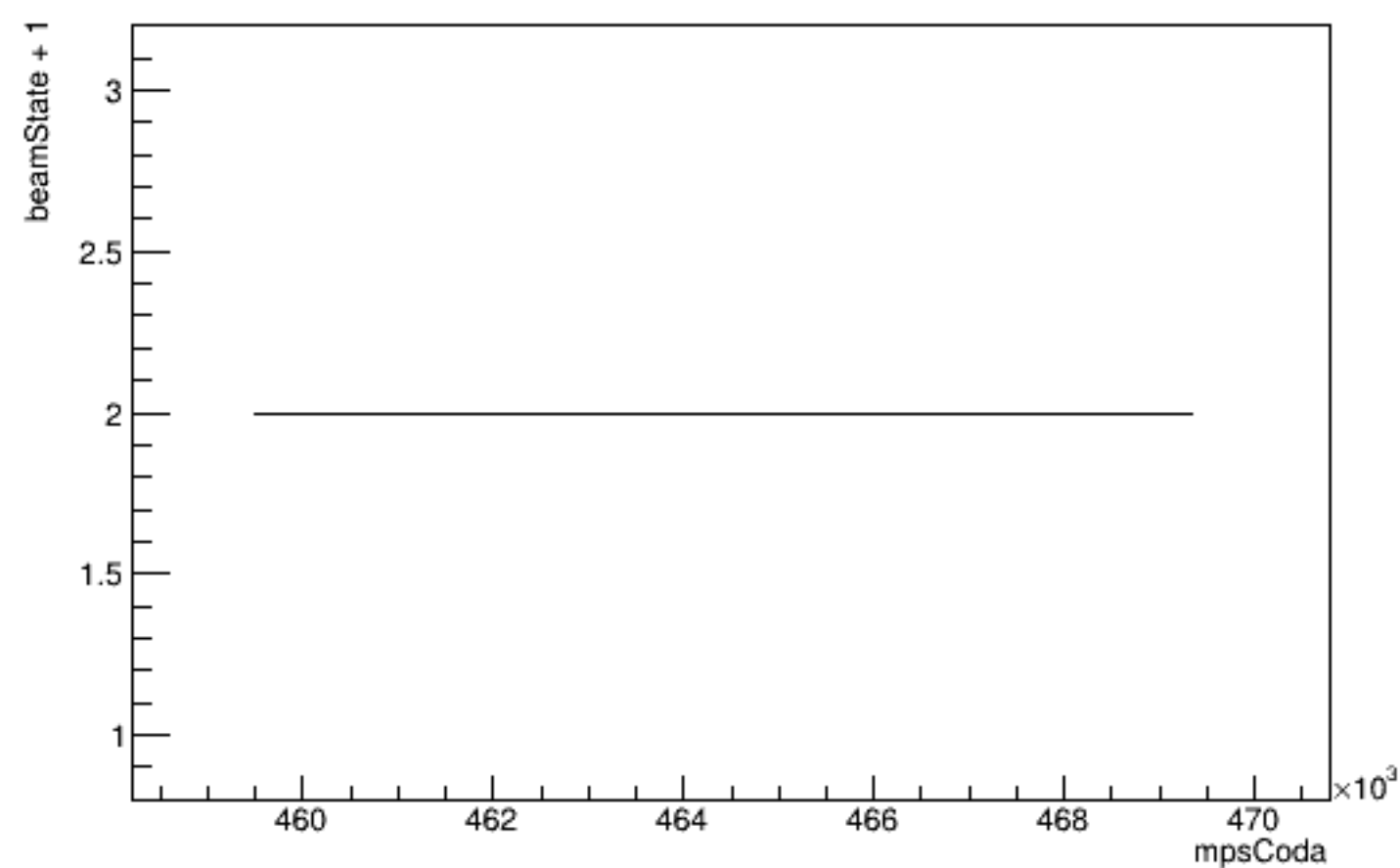
Acc0/NAcc0:mpsCoda (mpsCoda>=459482 && mpsCoda<=469337 && beamState==1)



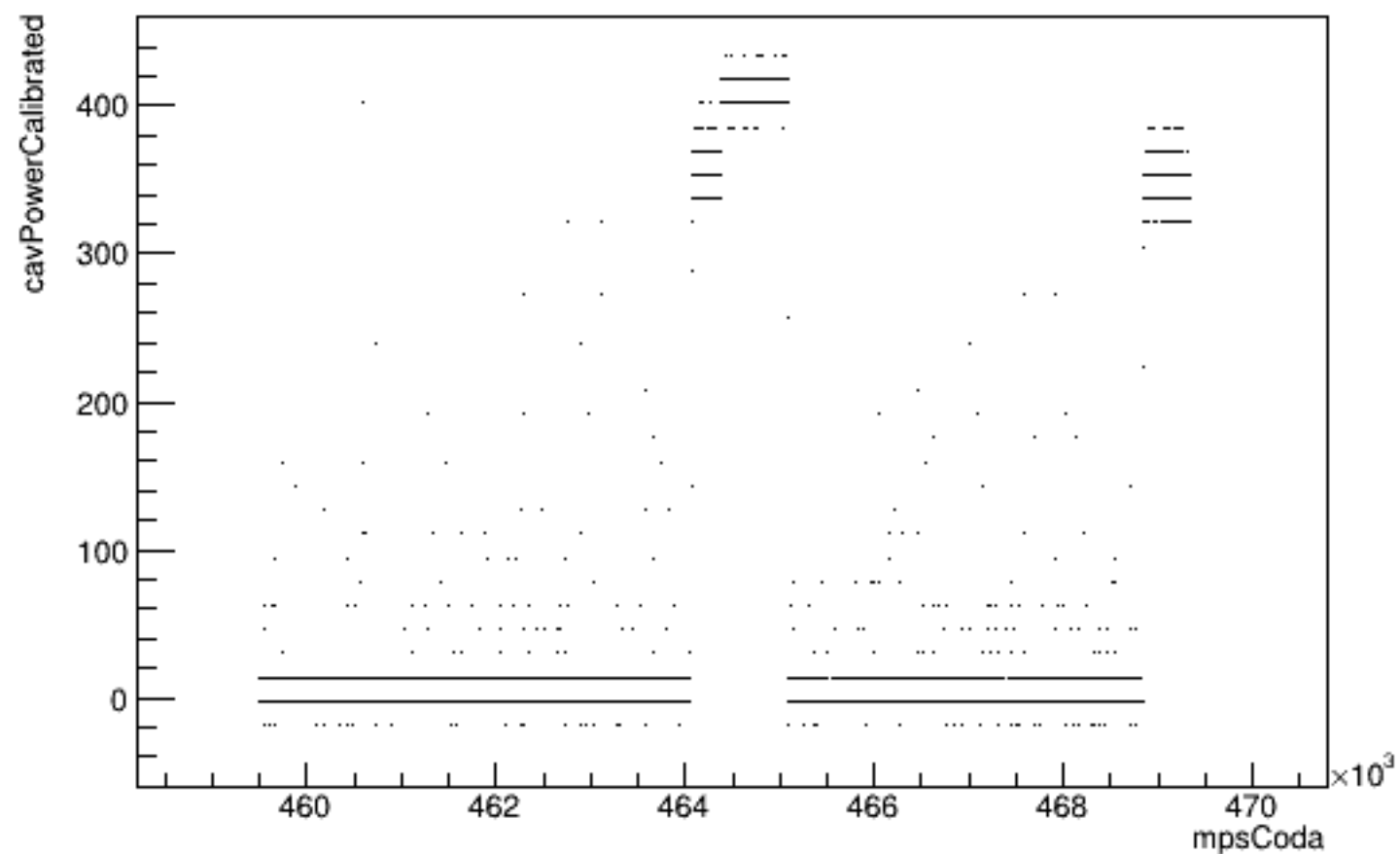
laserState:mpsCoda {mpsCoda>=459482 && mpsCoda<=469337}



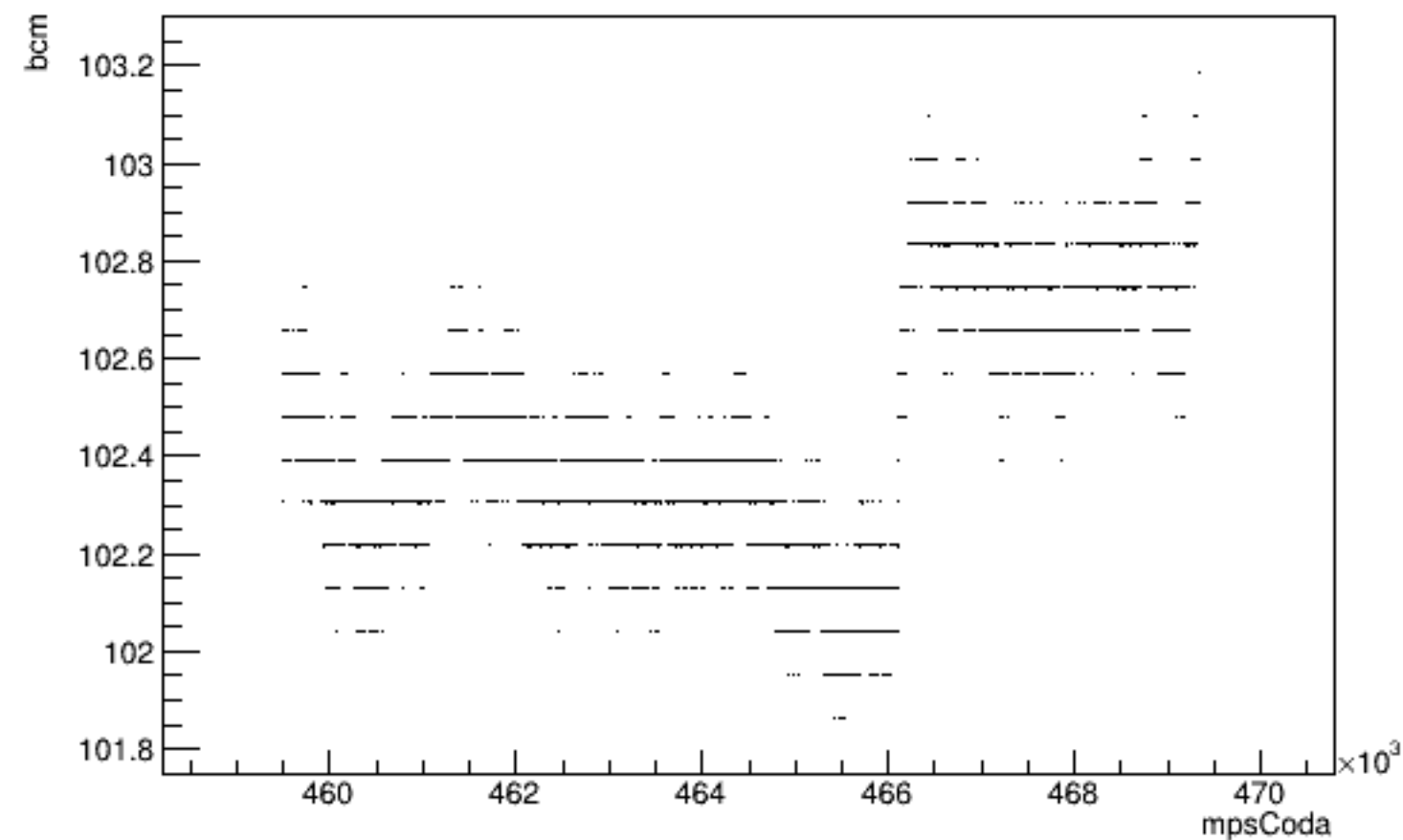
beamState + 1:mpsCoda {mpsCoda>=459482 && mpsCoda<=469337}



cavPowerCalibrated:mpsCoda {mpsCoda>=459482 && mpsCoda<=469337}



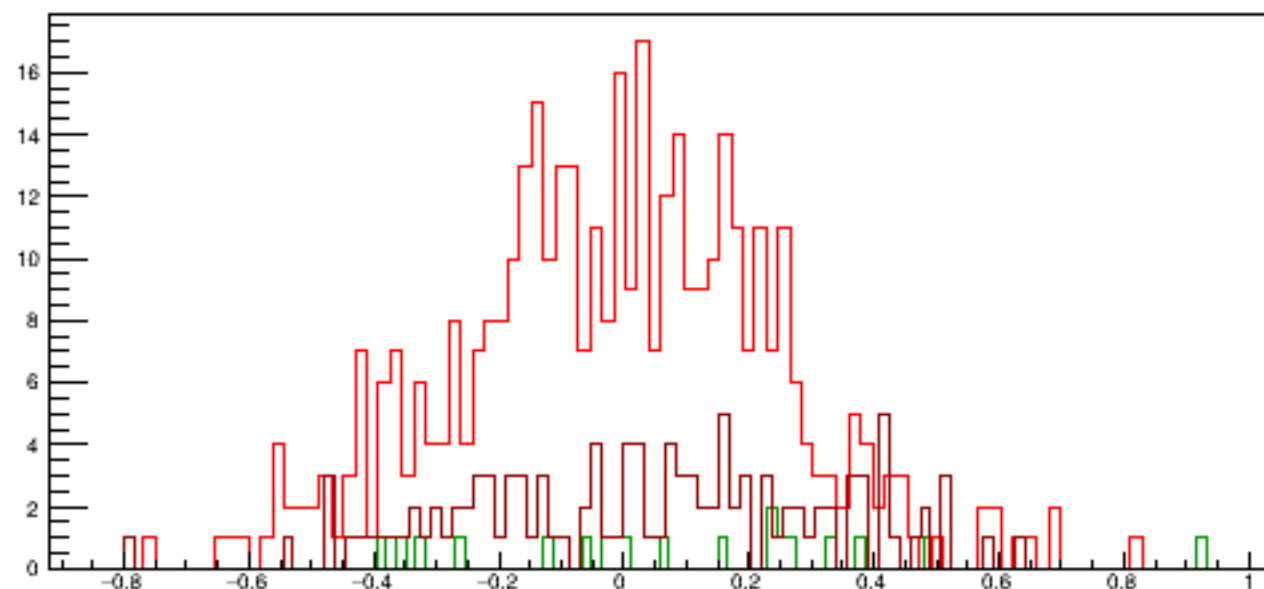
bcm:mpsCoda {mpsCoda>=459482 && mpsCoda<=469337}



Cycle 6, Diffs

Entries: 405	Entries: 19	Entries: 115
Mean: -0.0144 +/- 0.0127	Mean: 0.0942 +/- 0.0733	Mean: 0.0372 +/- 0.0267
Std Dev: 0.2550 +/- 0.0090	Std Dev: 0.3195 +/- 0.0518	Std Dev: 0.2860 +/- 0.0189

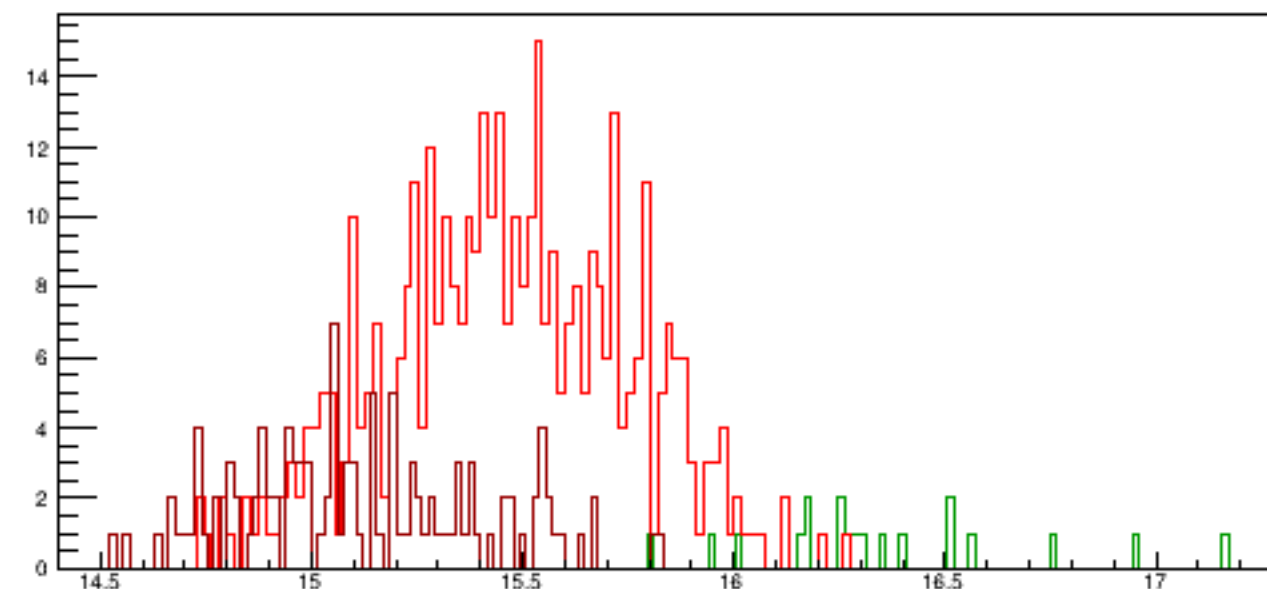
Run 4300 quartetwise, Diffs



Cycle 6, Sums

Entries: 405	Entries: 19	Entries: 115
Mean: 15.4604 +/- 0.0144	Mean: 16.3596 +/- 0.0740	Mean: 15.1228 +/- 0.0268
Std Dev: 0.2895 +/- 0.0102	Std Dev: 0.3228 +/- 0.0524	Std Dev: 0.2873 +/- 0.0189

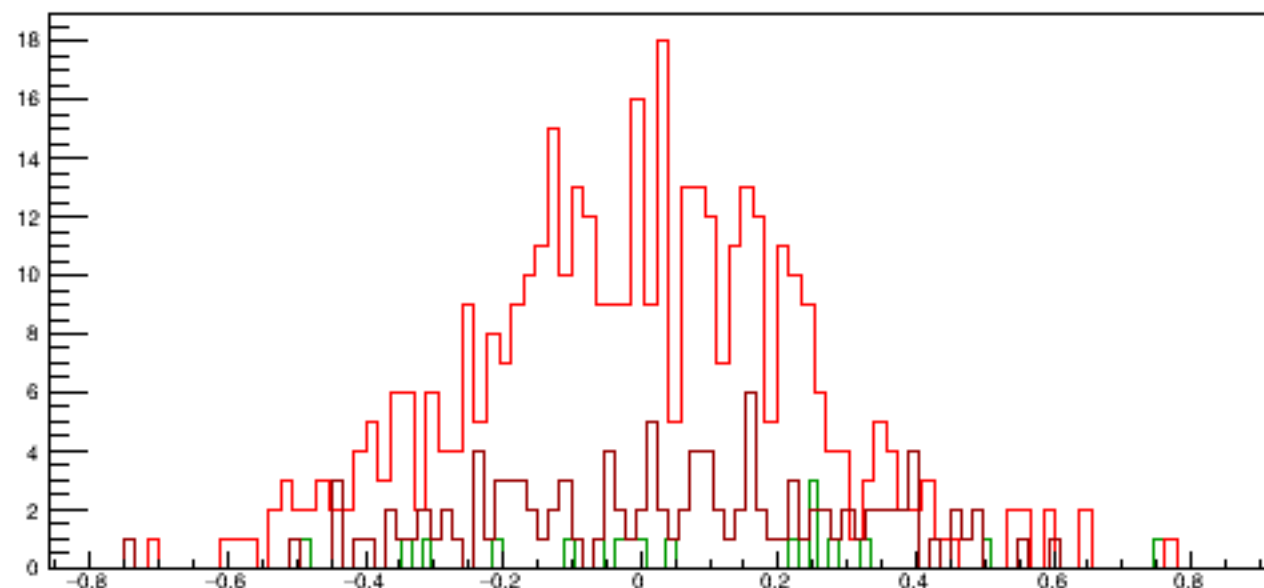
Run 4300 quartetwise, Sums



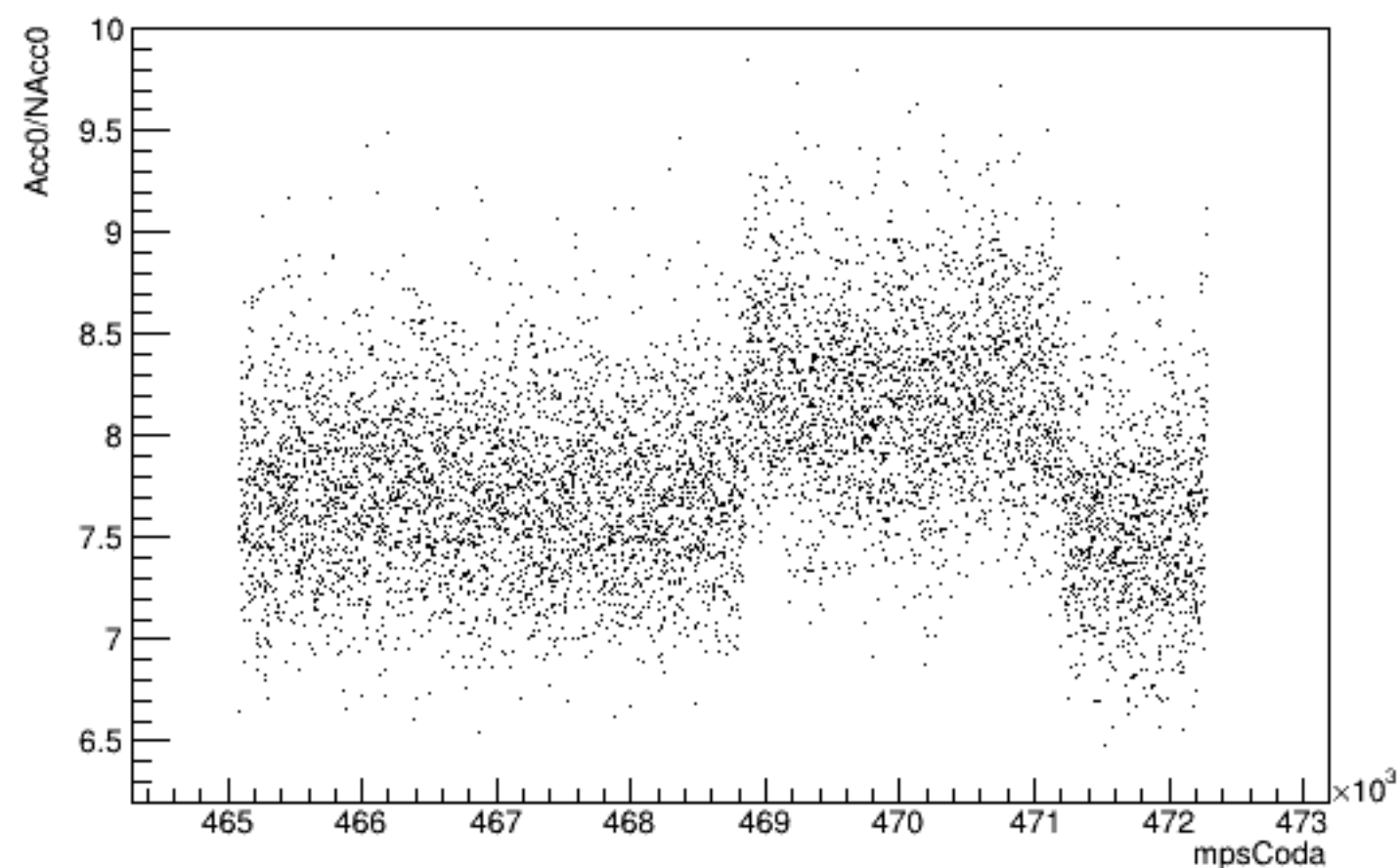
Cycle 6, Asyms

Entries: 405	Entries: 19	Entries: 115
Mean: -0.0135 +/- 0.0119	Mean: 0.0940 +/- 0.0702	Mean: 0.0348 +/- 0.0250
Std Dev: 0.2388 +/- 0.0084	Std Dev: 0.3062 +/- 0.0497	Std Dev: 0.2677 +/- 0.0177

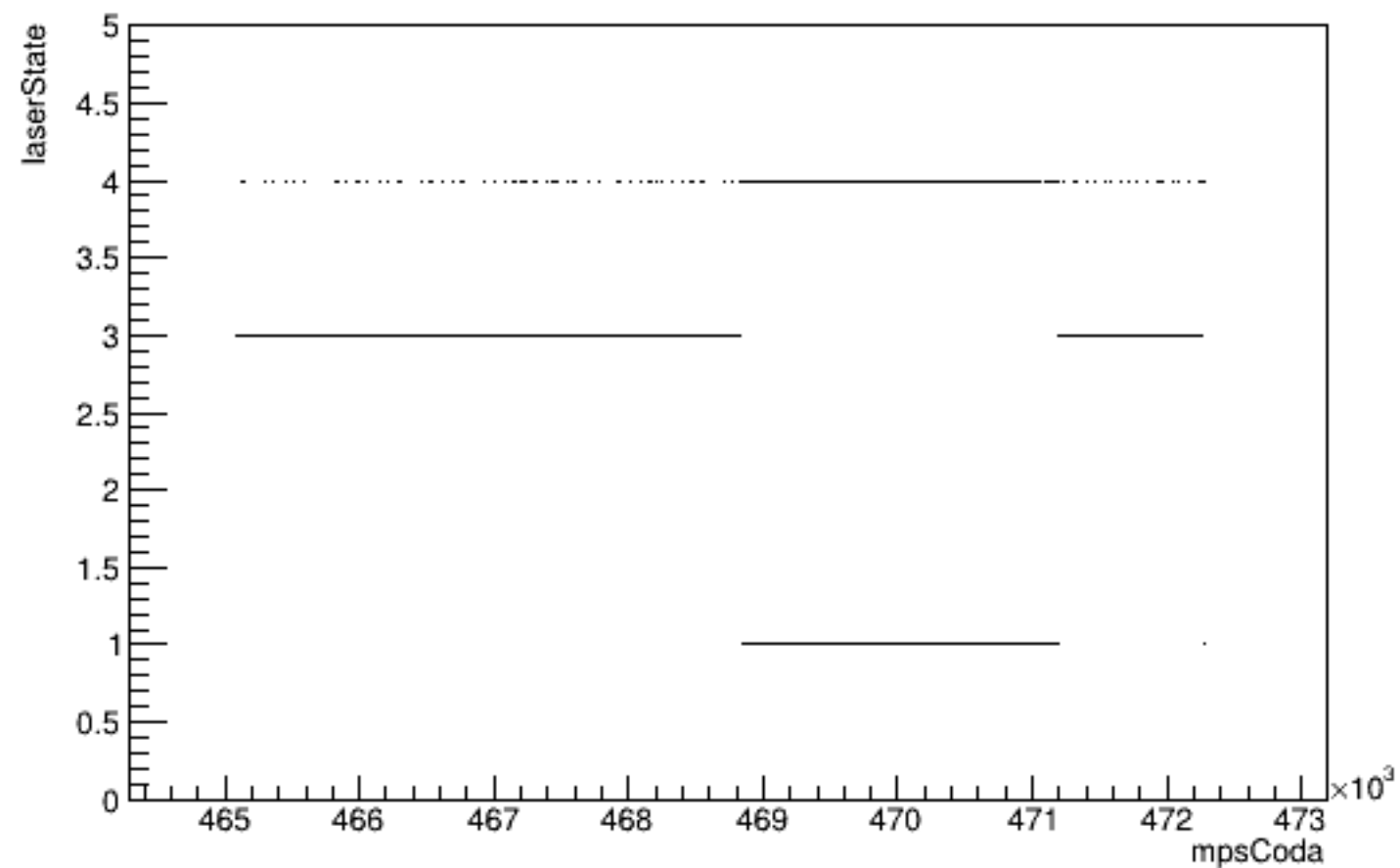
Run 4300 quartetwise, Asyms



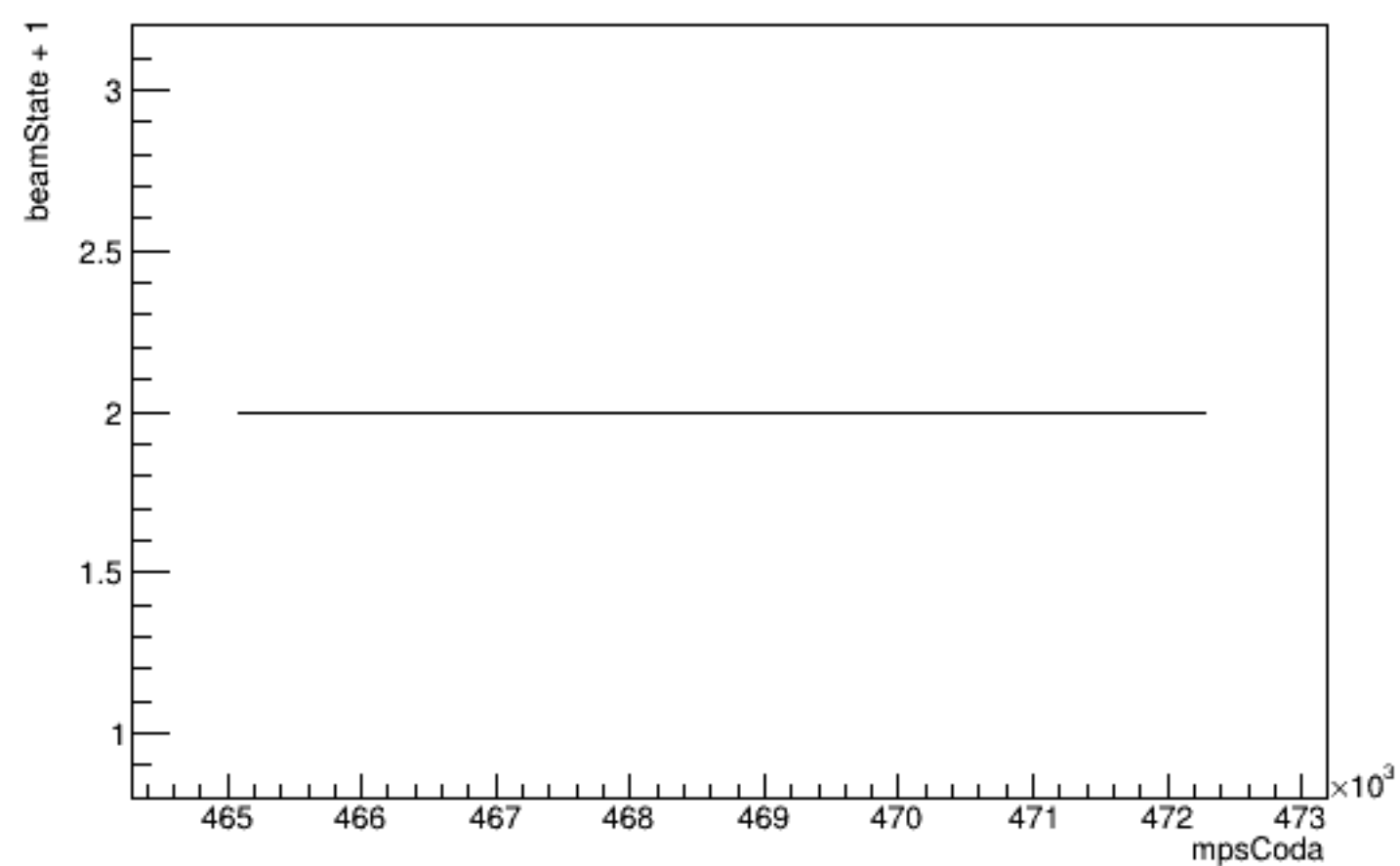
Acc0/NAcc0:mpsCoda (mpsCoda>=465090 && mpsCoda<=472281 && beamState==1)



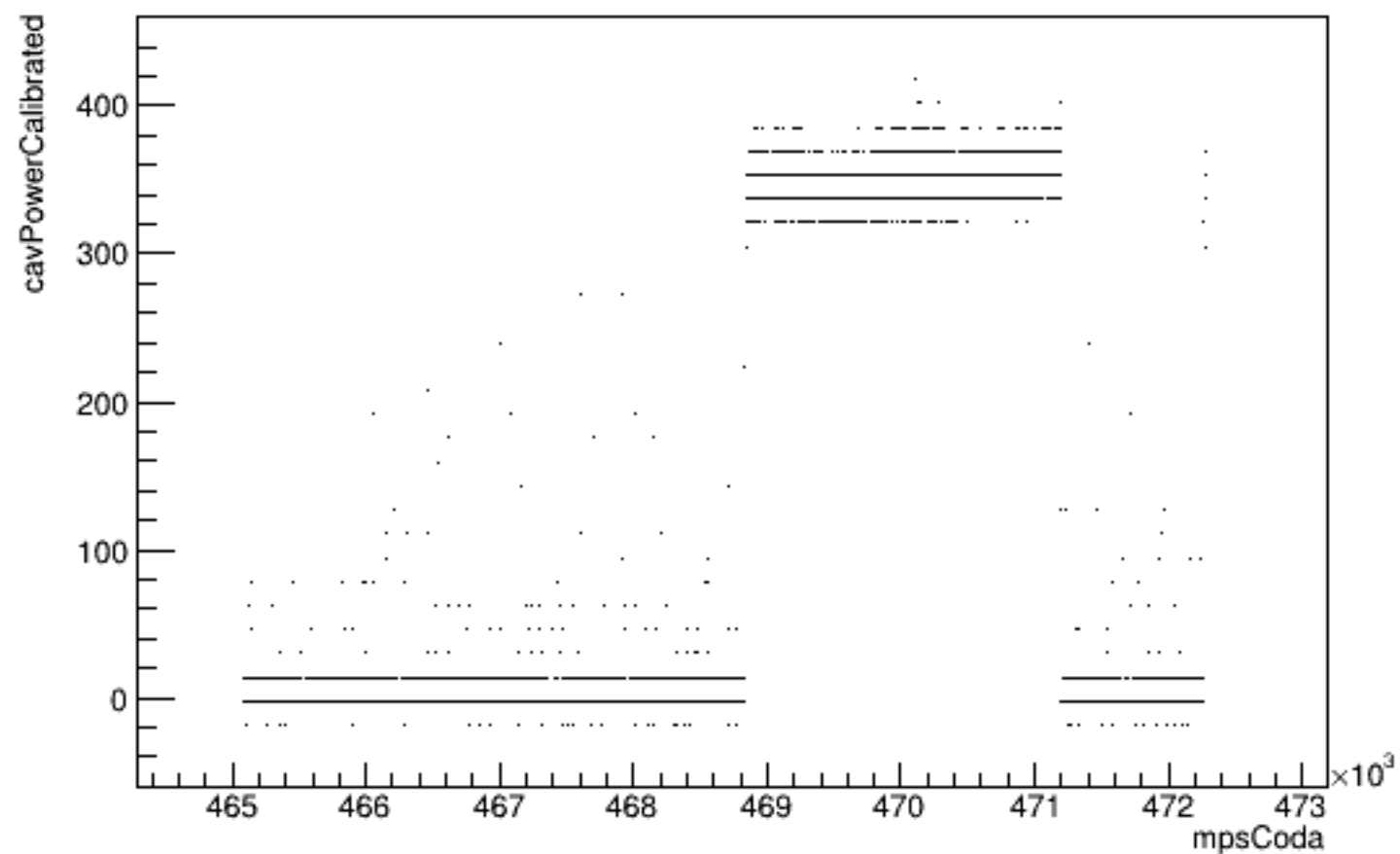
laserState:mpsCoda {mpsCoda>=465090 && mpsCoda<=472281}



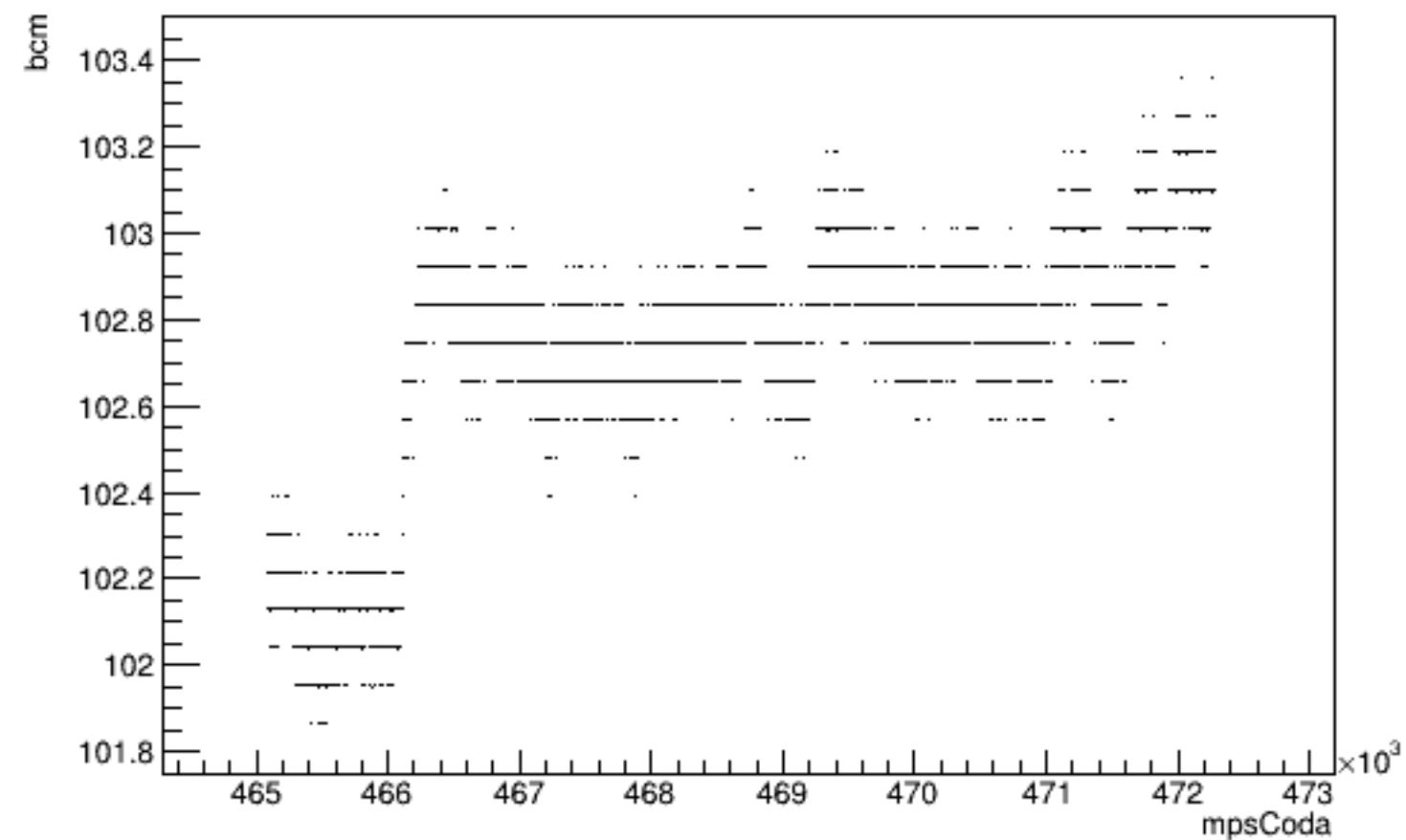
beamState + 1:mpsCoda {mpsCoda>=465090 && mpsCoda<=472281}



cavPowerCalibrated:mpsCoda {mpsCoda>=465090 && mpsCoda<=472281}



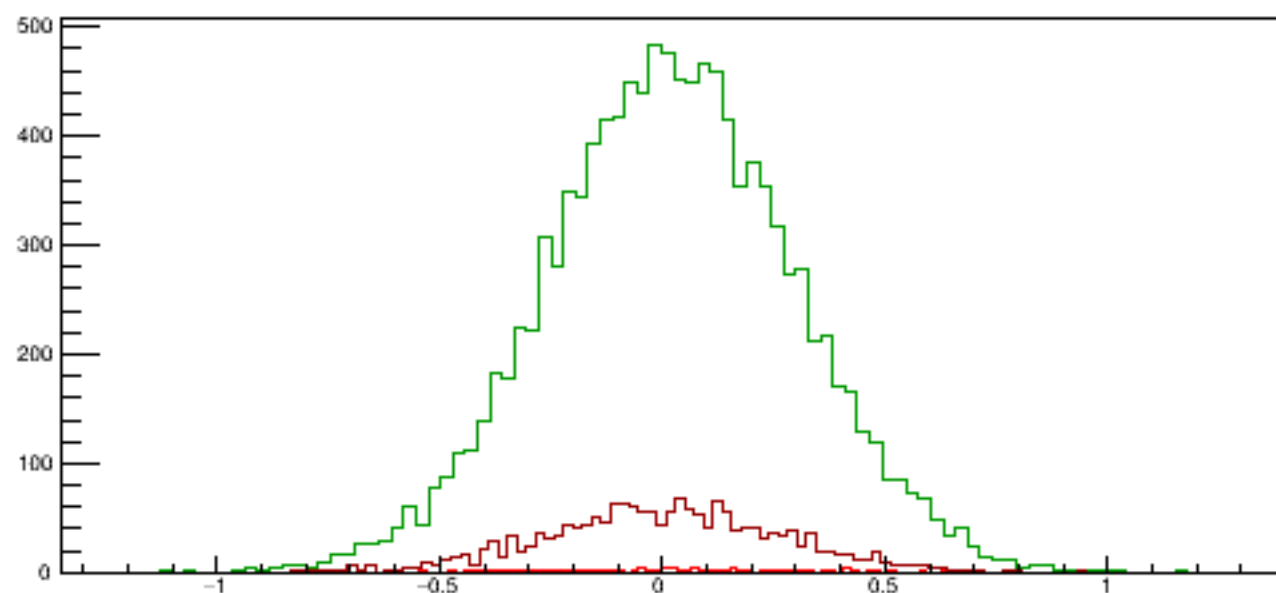
bcm:mpsCoda {mpsCoda>=465090 && mpsCoda<=472281}



Cycle 7, Diffs

Entries: 115	Entries: 11716	Entries: 1812
Mean: 0.0372 +/- 0.0267	Mean: 0.0182 +/- 0.0026	Mean: 0.0005 +/- 0.0062
Std Dev: 0.2860 +/- 0.0189	Std Dev: 0.2783 +/- 0.0018	Std Dev: 0.2659 +/- 0.0044

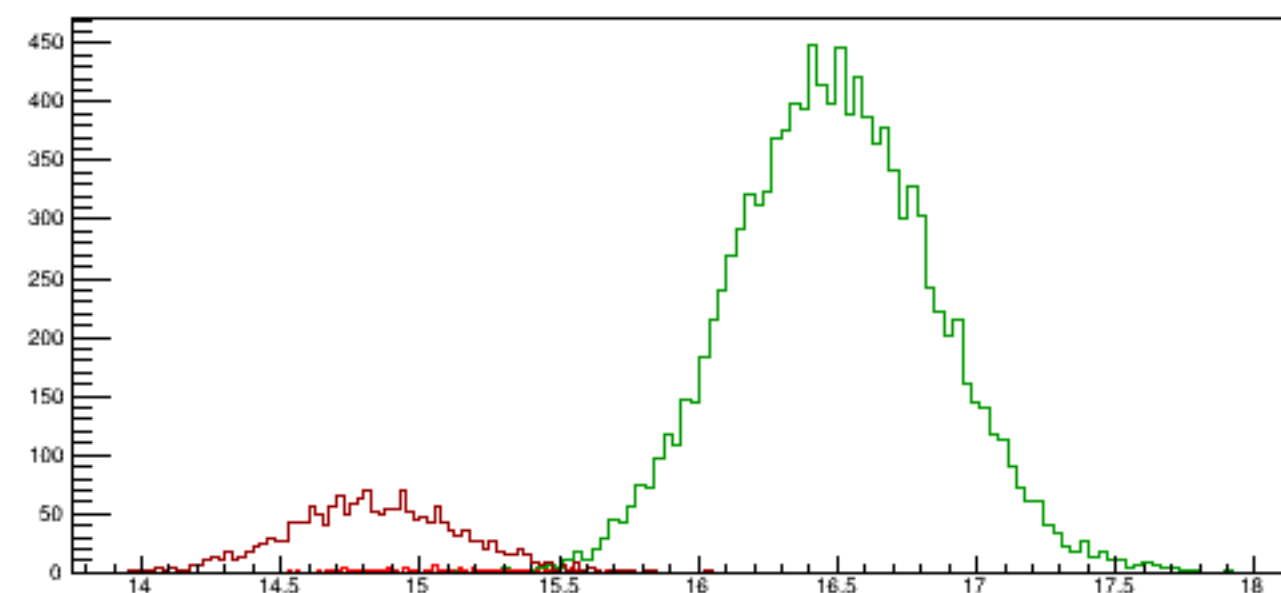
Run 4300 quartetwise, Diffs



Cycle 7, Sums

Entries: 115	Entries: 11716	Entries: 1812
Mean: 15.1228 +/- 0.0268	Mean: 16.4876 +/- 0.0033	Mean: 14.8415 +/- 0.0072
Std Dev: 0.2873 +/- 0.0189	Std Dev: 0.3605 +/- 0.0024	Std Dev: 0.3085 +/- 0.0051

Run 4300 quartetwise, Sums

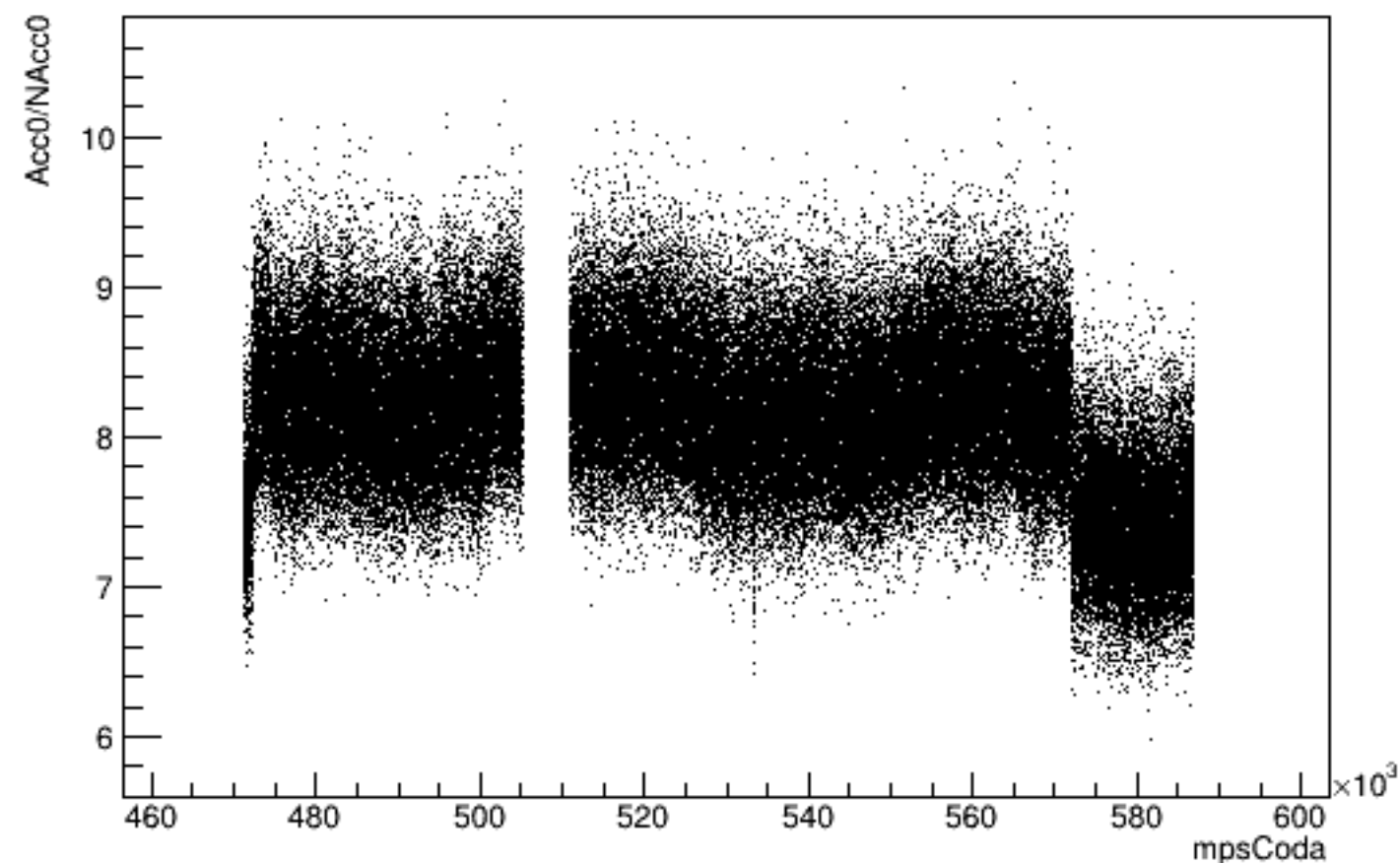
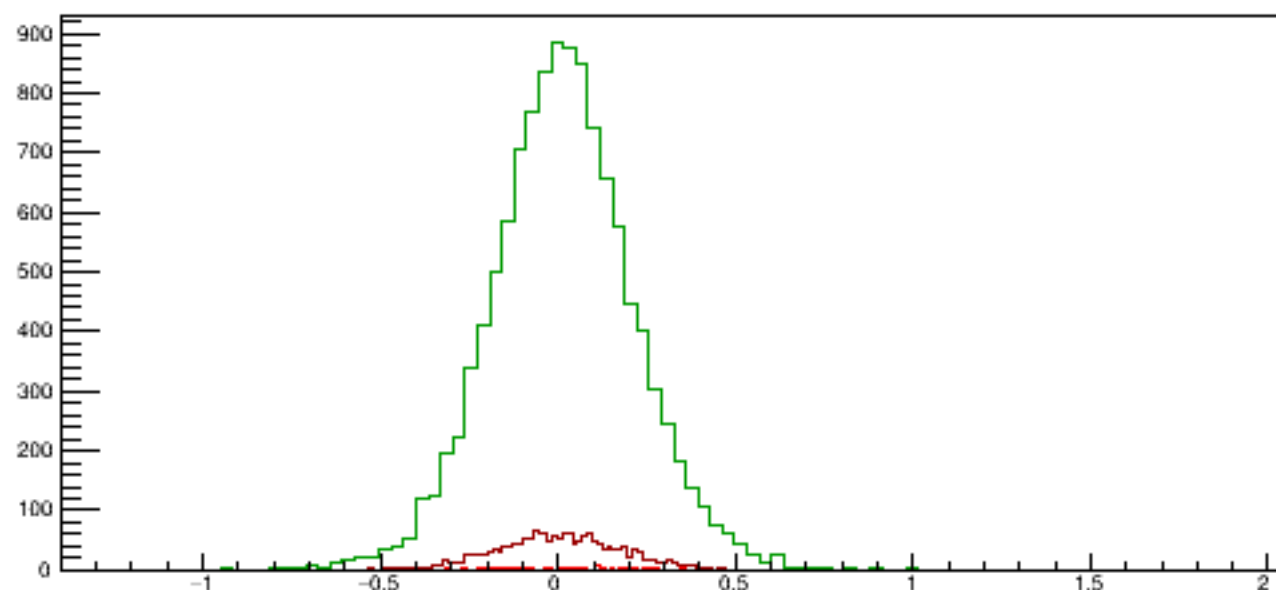


Acc0/NAcc0:mpsCoda (mpsCoda>=471202 && mpsCoda<=586953 && beamState==1)

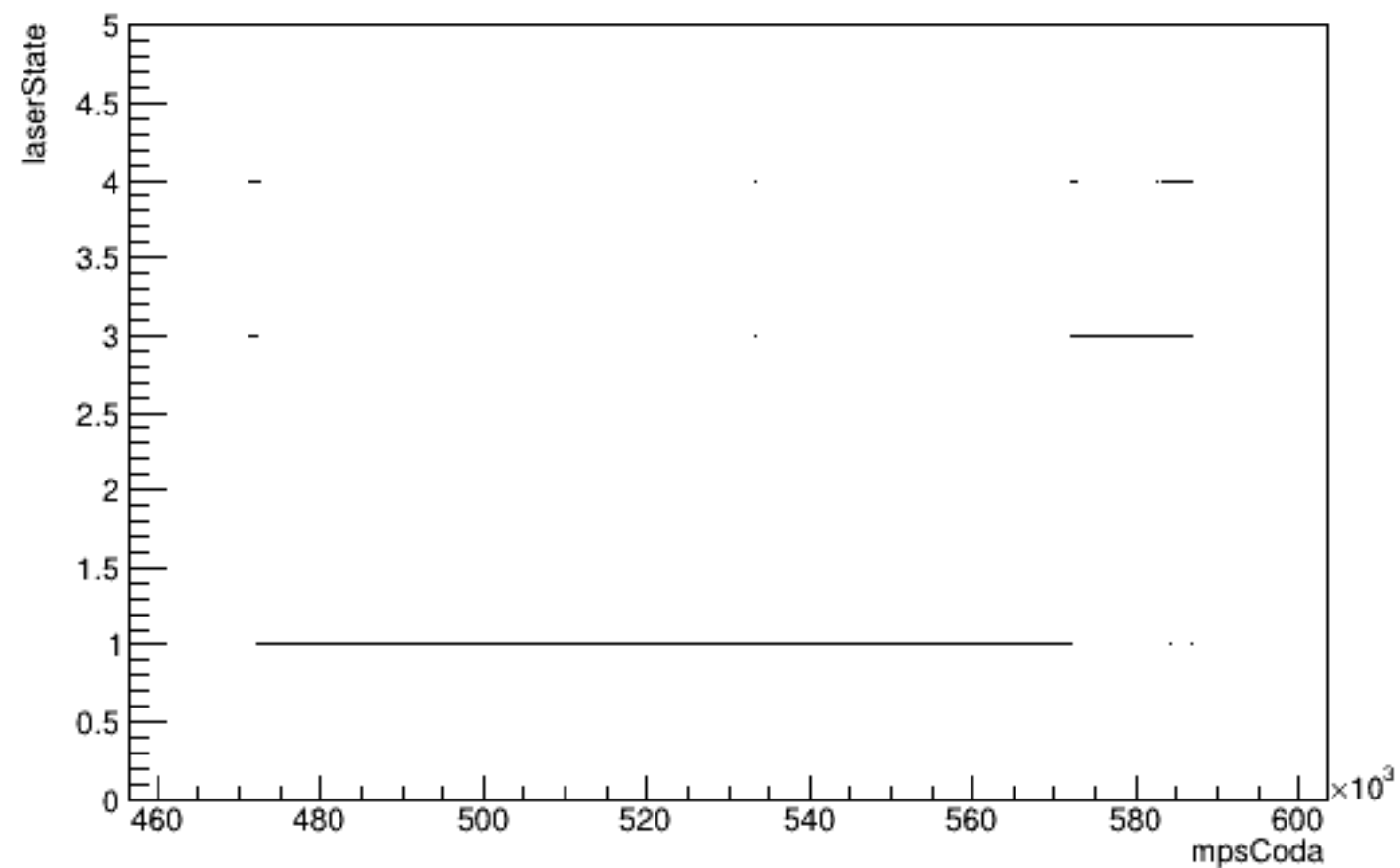
Cycle 7, Asyms

Entries: 115	Entries: 11716	Entries: 1812
Mean: 0.0247 +/- 0.0177	Mean: 0.0139 +/- 0.0019	Mean: 0.0003 +/- 0.0041
Std Dev: 0.1899 +/- 0.0125	Std Dev: 0.2017 +/- 0.0013	Std Dev: 0.1766 +/- 0.0029

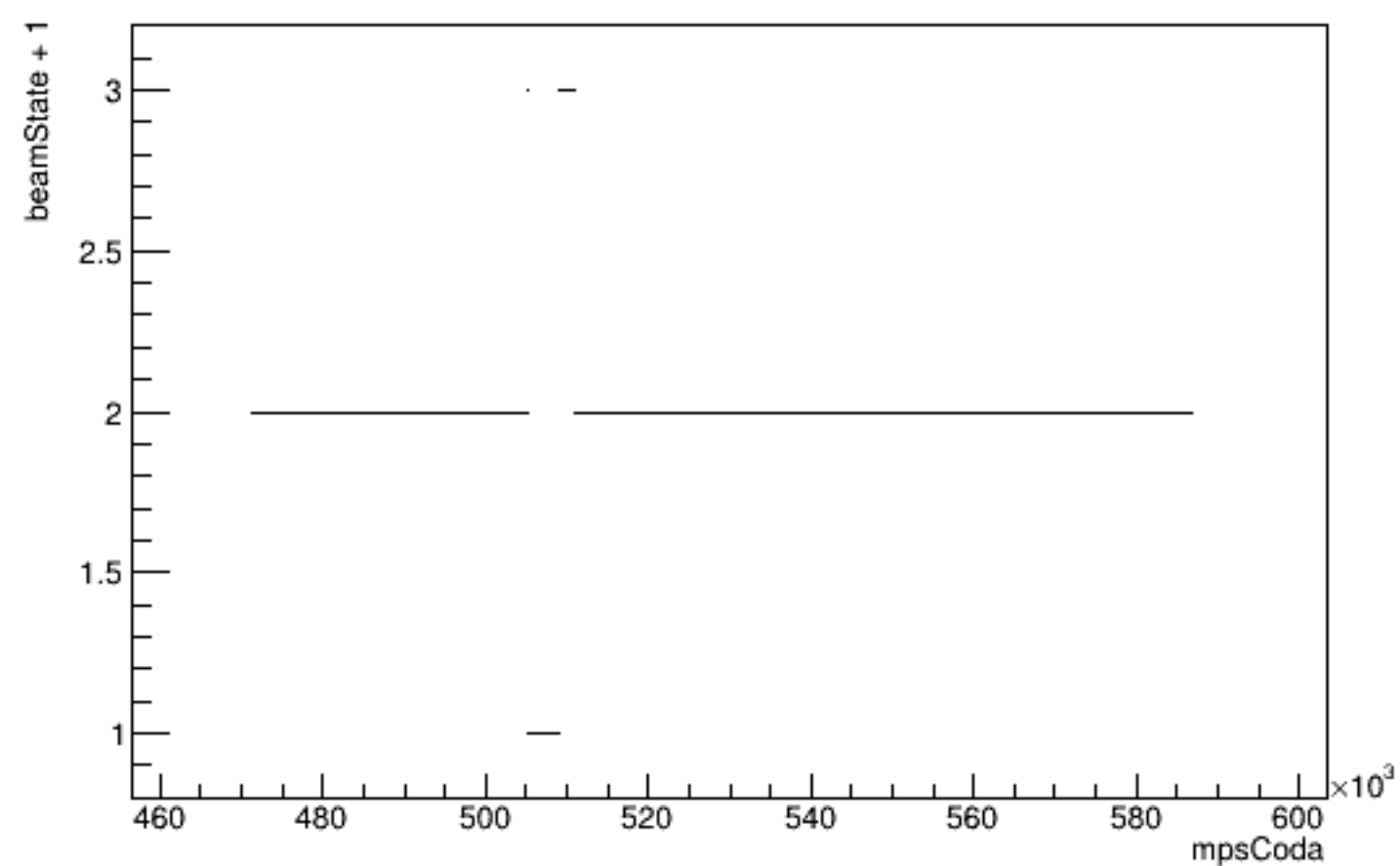
Run 4300 quartetwise, Asyms



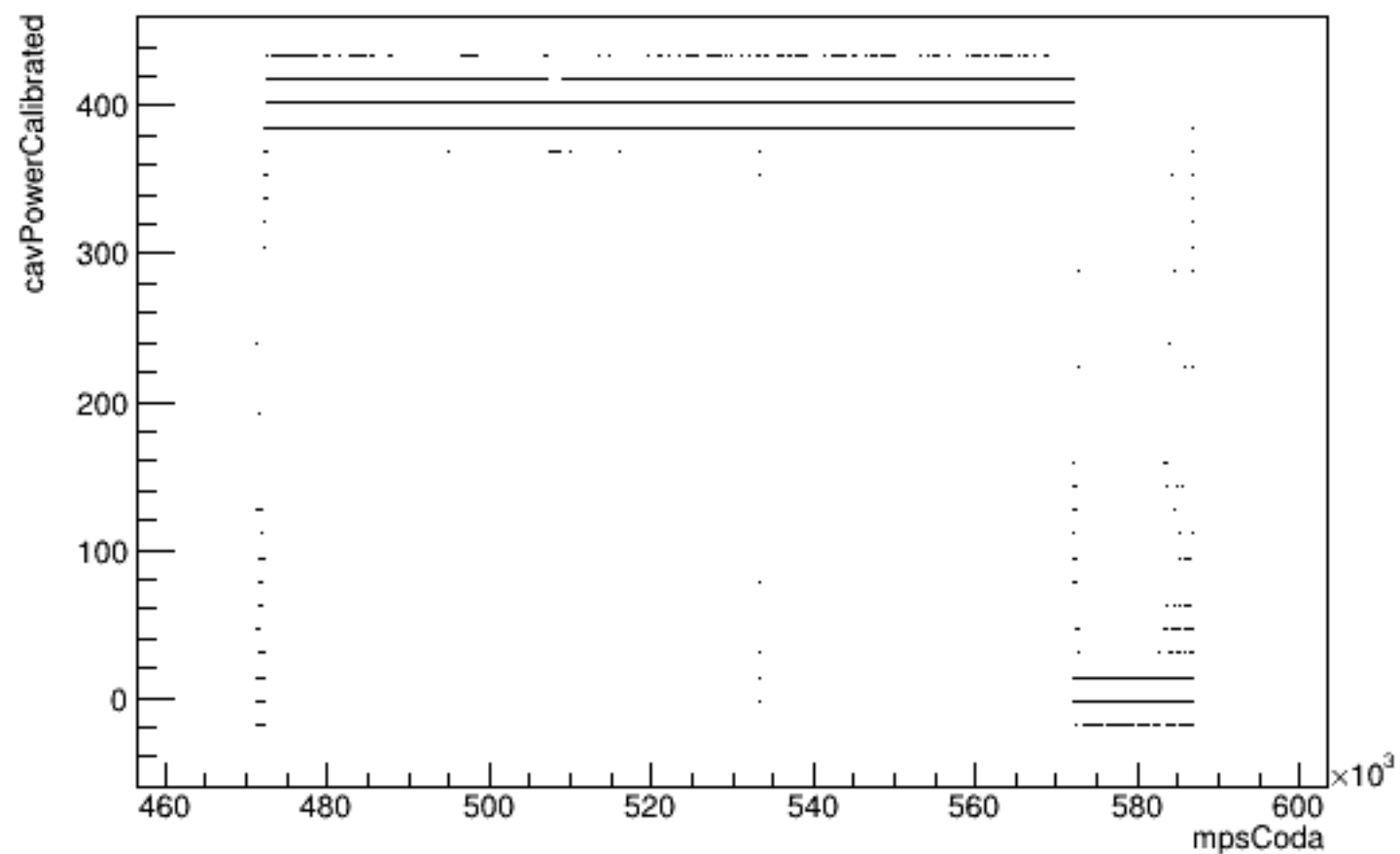
laserState:mpsCoda {mpsCoda>=471202 && mpsCoda<=586953}



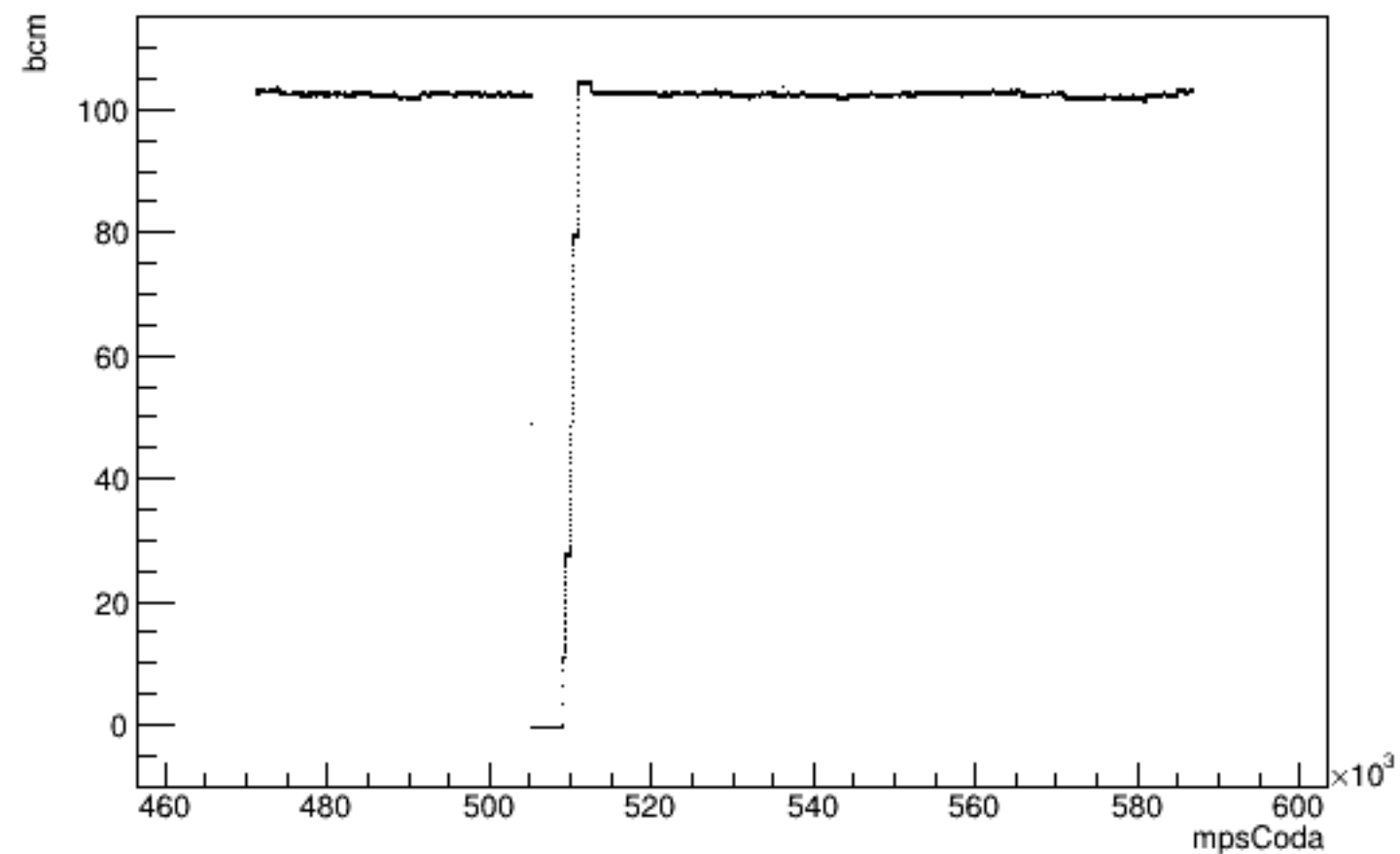
beamState + 1:mpsCoda {mpsCoda>=471202 && mpsCoda<=586953}



cavPowerCalibrated:mpsCoda {mpsCoda>=471202 && mpsCoda<=586953}



bcm:mpsCoda {mpsCoda>=471202 && mpsCoda<=586953}



Cycle 8, Diffs

Entries: 1812

Mean: 0.0005 +/- 0.0062

Std Dev: 0.2659 +/- 0.0044

Entries: 1689

Mean: 0.0185 +/- 0.0069

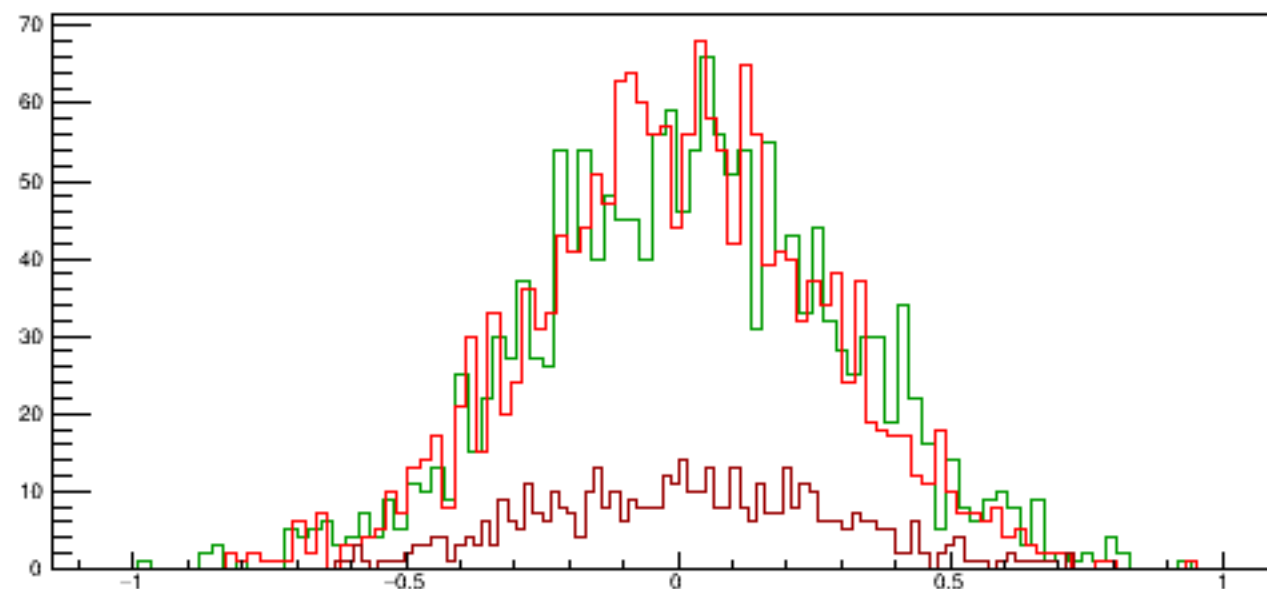
Std Dev: 0.2855 +/- 0.0049

Entries: 464

Mean: 0.0156 +/- 0.0125

Std Dev: 0.2683 +/- 0.0088

Run 4300 quartetwise, Diffs



Cycle 8, Sums

Entries: 1812

Mean: 14.8415 +/- 0.0072

Std Dev: 0.3085 +/- 0.0051

Entries: 1689

Mean: 16.0817 +/- 0.0089

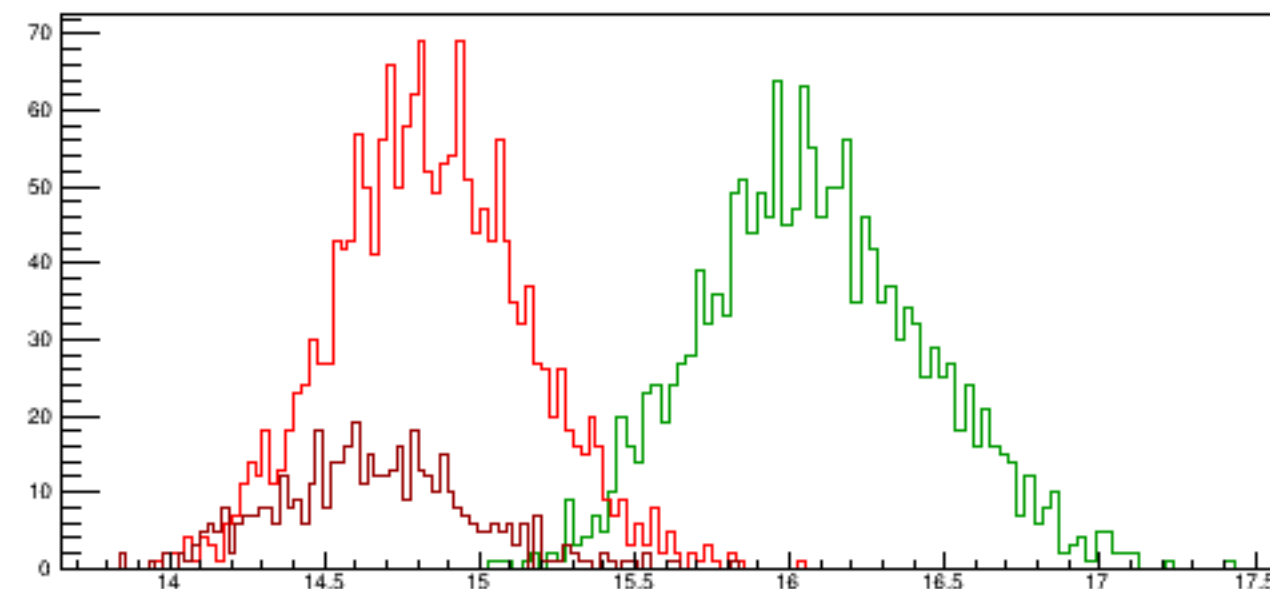
Std Dev: 0.3638 +/- 0.0063

Entries: 464

Mean: 14.6586 +/- 0.0147

Std Dev: 0.3162 +/- 0.0104

Run 4300 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=572034 && mpsCoda<=604889 && beamState==1)

Cycle 8, Asyms

Entries: 1812

Mean: 0.0004 +/- 0.0047

Std Dev: 0.1997 +/- 0.0033

Entries: 1689

Mean: 0.0155 +/- 0.0059

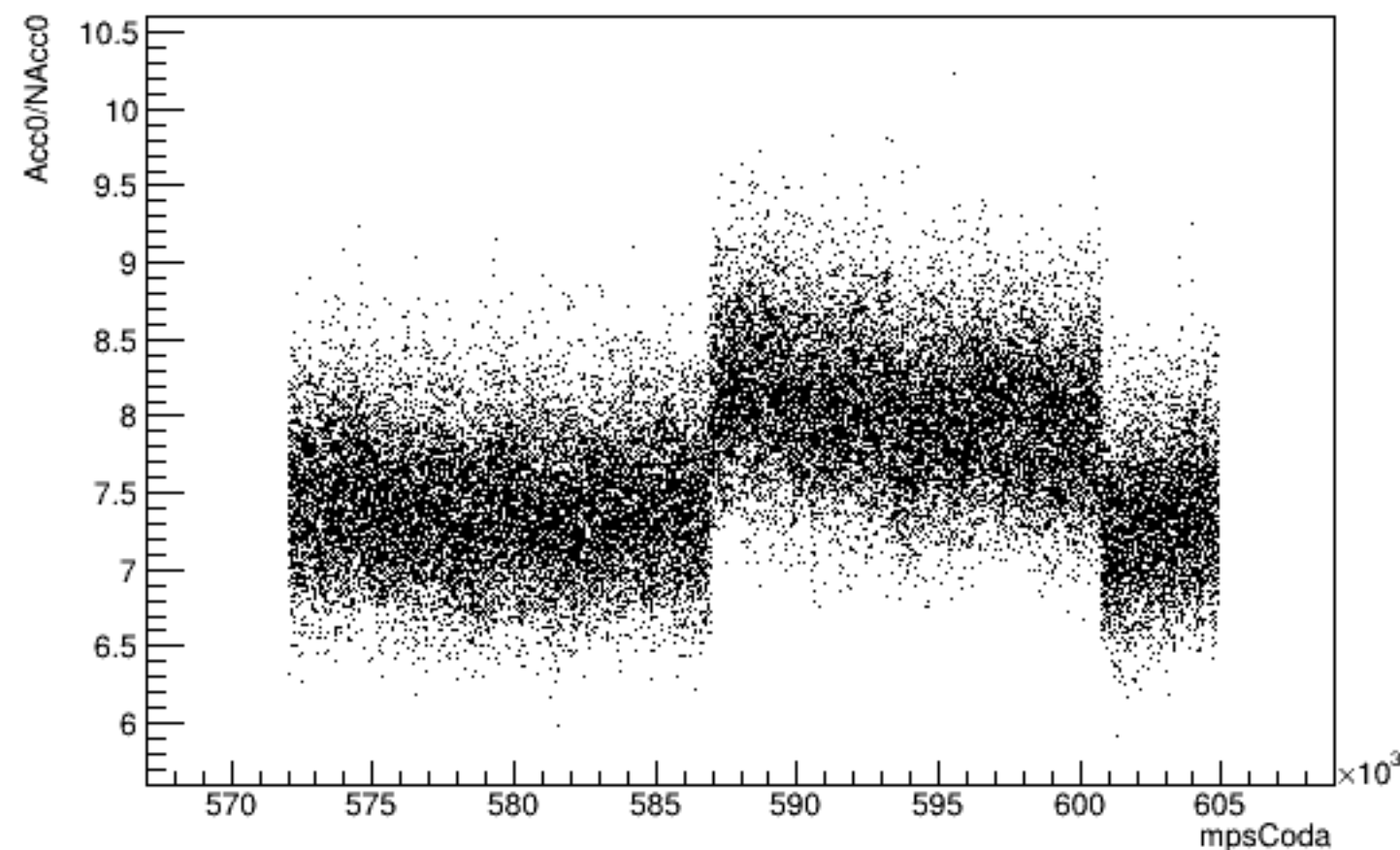
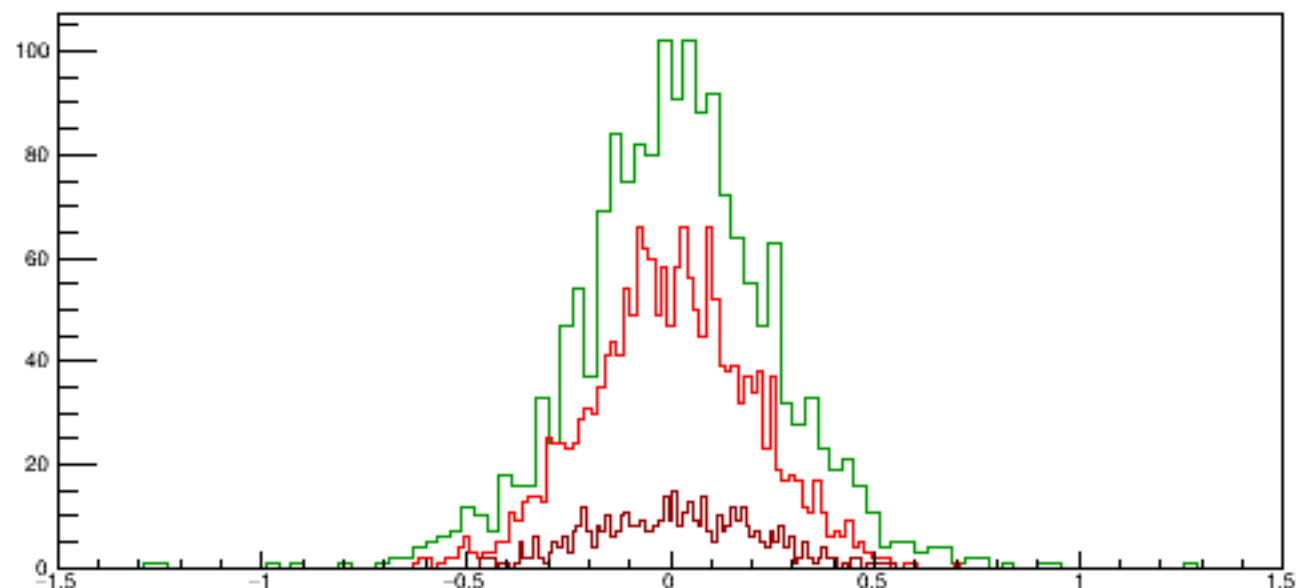
Std Dev: 0.2435 +/- 0.0042

Entries: 464

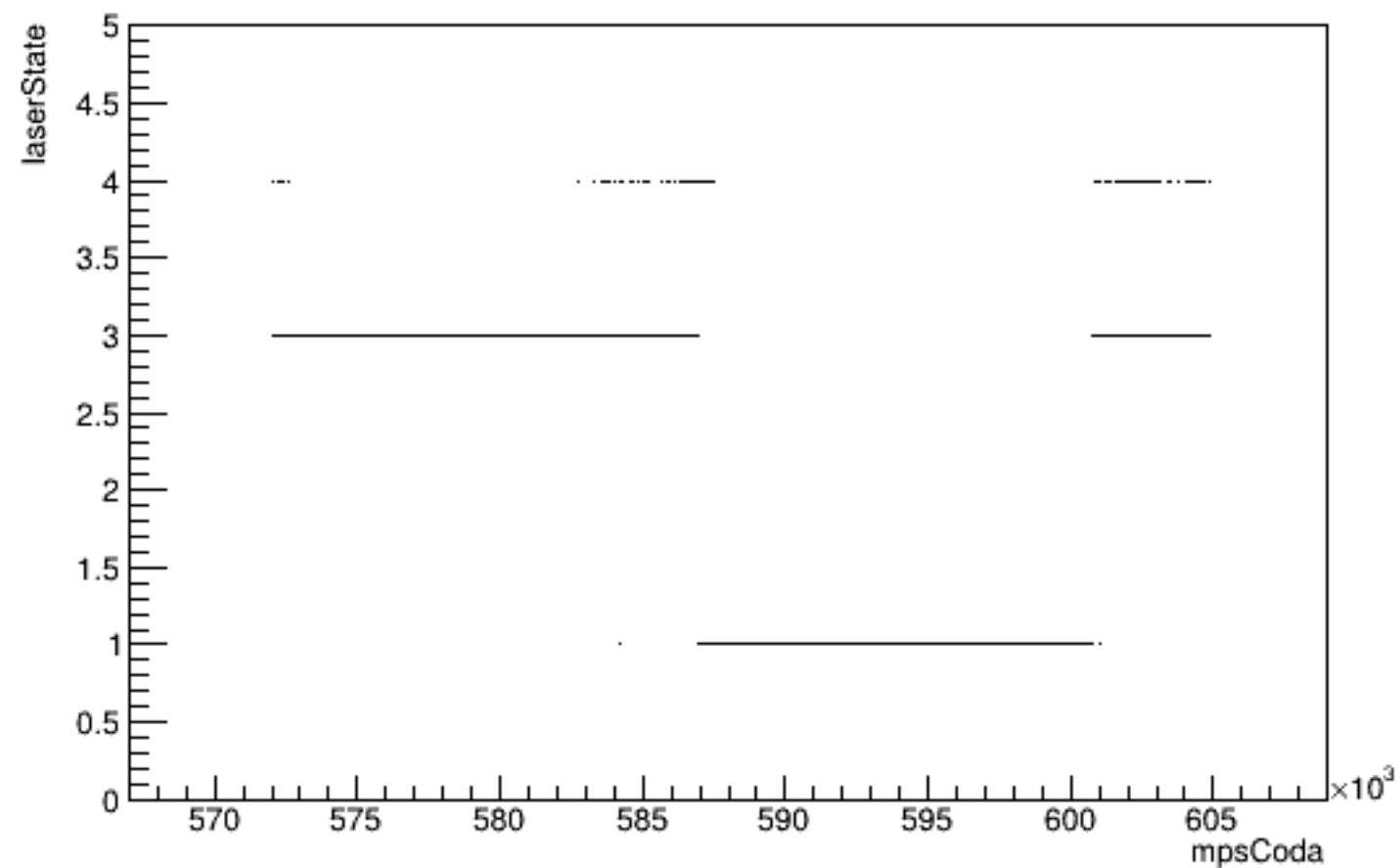
Mean: 0.0117 +/- 0.0094

Std Dev: 0.2015 +/- 0.0066

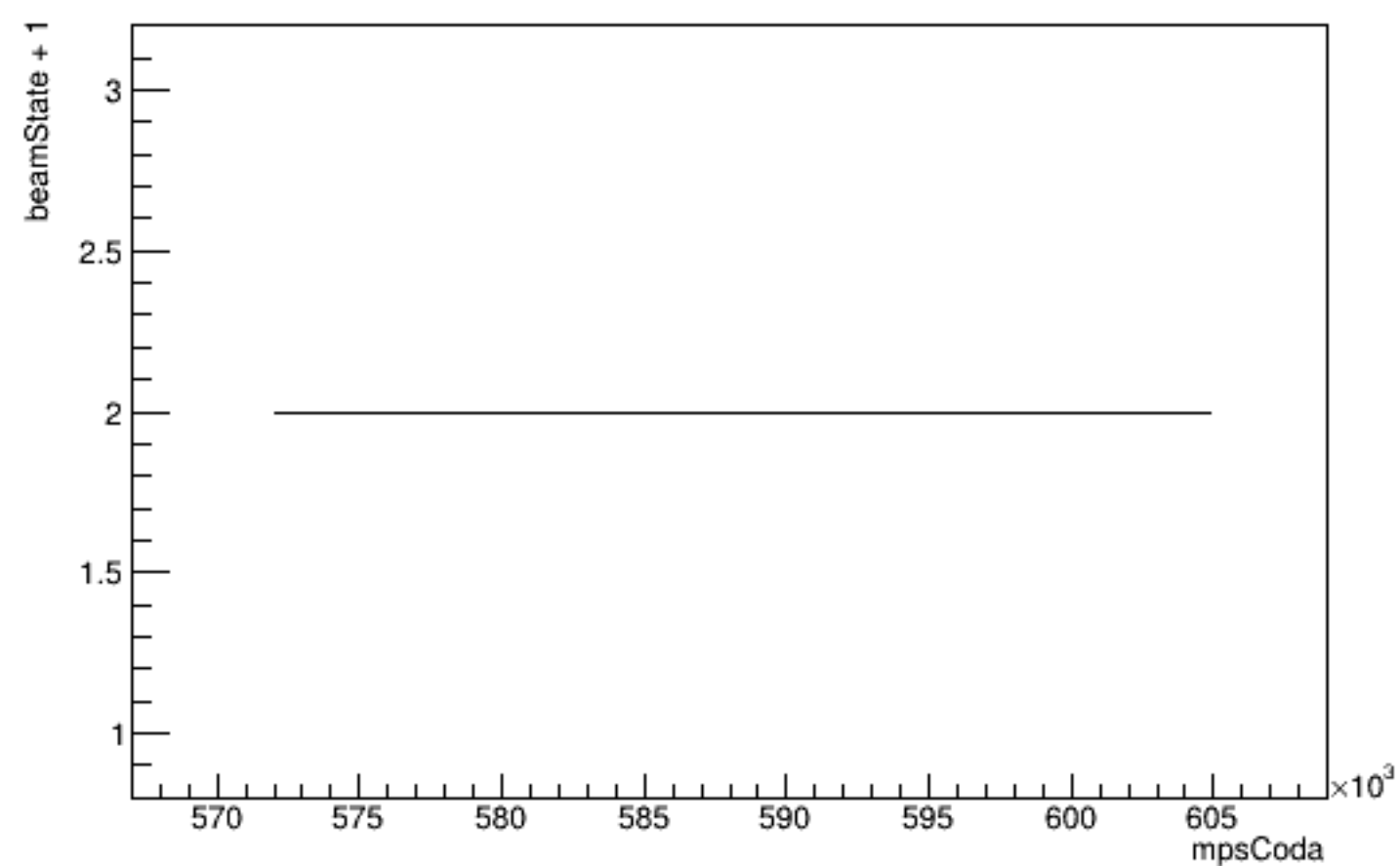
Run 4300 quartetwise, Asyms



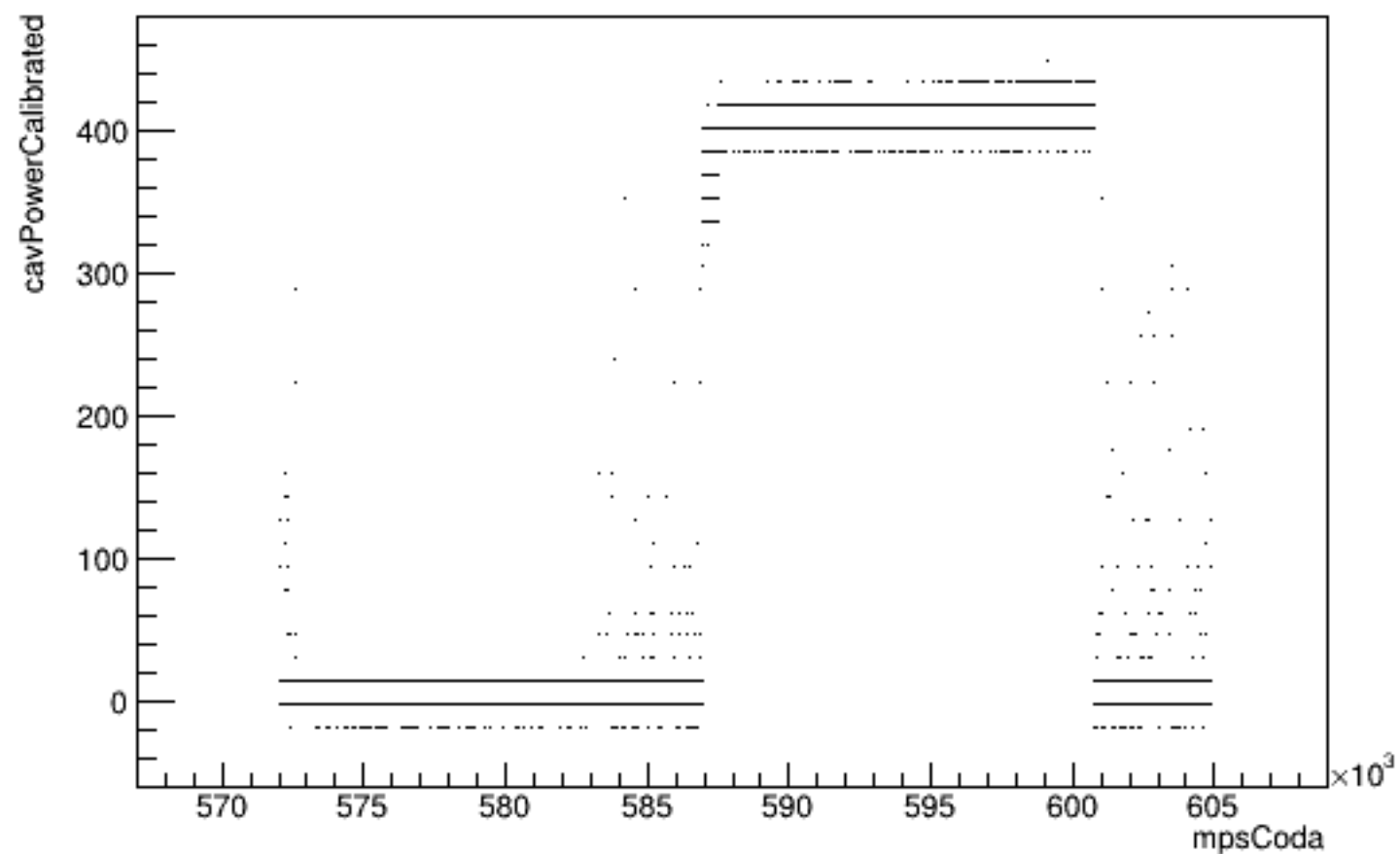
laserState:mpsCoda {mpsCoda>=572034 && mpsCoda<=604889}



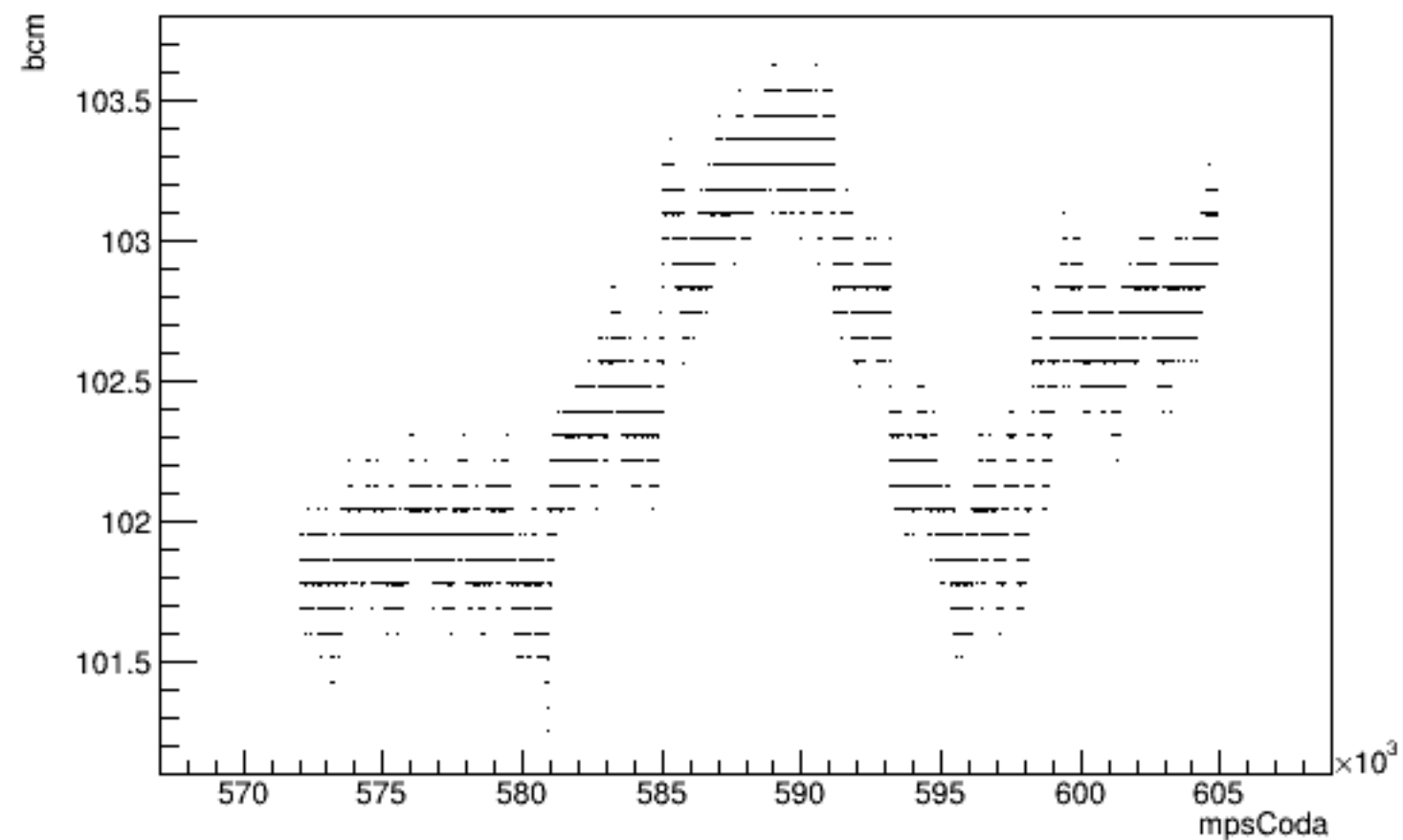
beamState + 1:mpsCoda {mpsCoda>=572034 && mpsCoda<=604889}



cavPowerCalibrated:mpsCoda {mpsCoda>=572034 && mpsCoda<=604889}



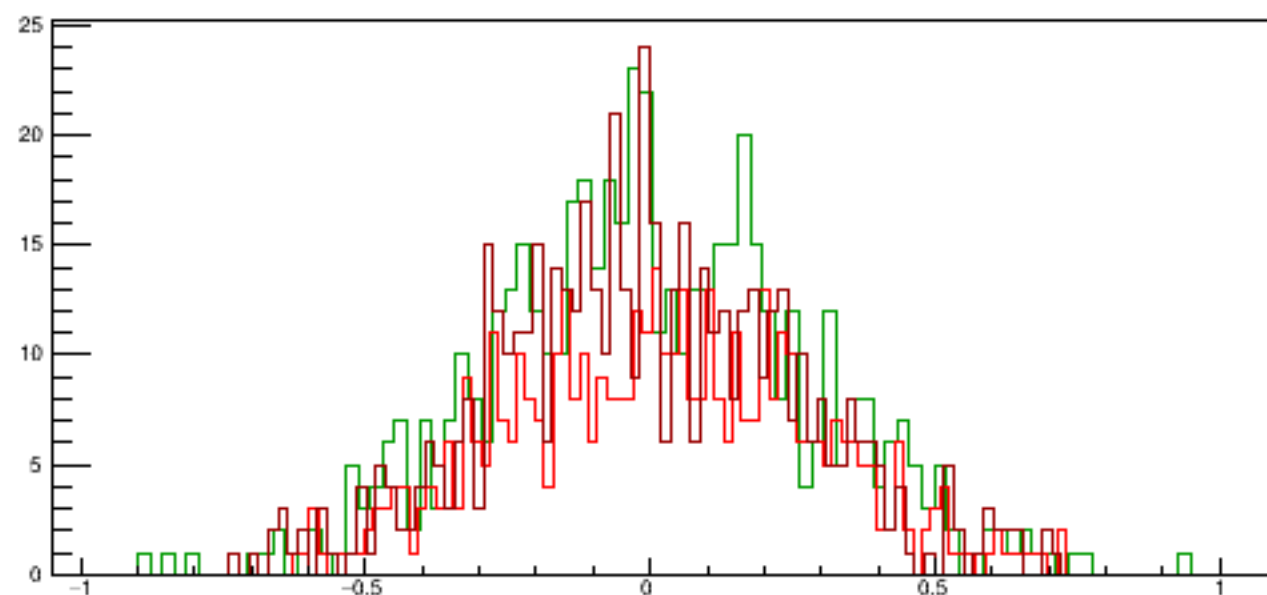
bcm:mpsCoda {mpsCoda>=572034 && mpsCoda<=604889}



Cycle 9, Diffs

Entries: 464	Entries: 523	Entries: 549
Mean: 0.0156 +/- 0.0125	Mean: -0.0001 +/- 0.0122	Mean: -0.0089 +/- 0.0114
Std Dev: 0.2683 +/- 0.0088	Std Dev: 0.2800 +/- 0.0087	Std Dev: 0.2662 +/- 0.0080

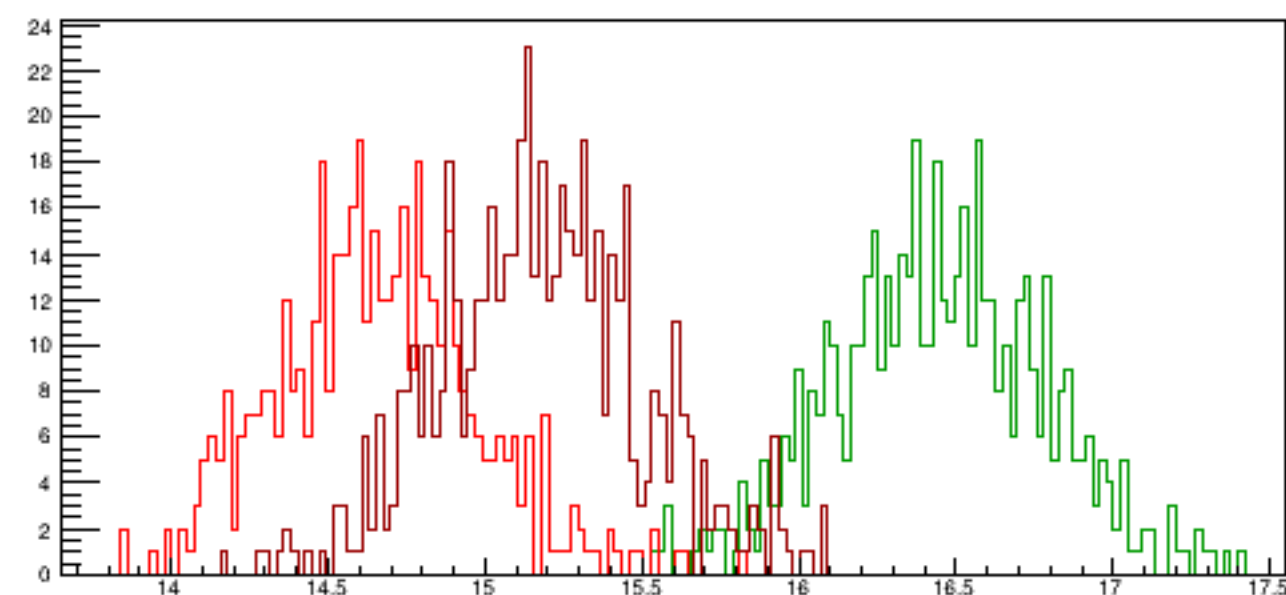
Run 4300 quartetwise, Diffs



Cycle 9, Sums

Entries: 464	Entries: 523	Entries: 549
Mean: 14.6586 +/- 0.0147	Mean: 16.4456 +/- 0.0146	Mean: 15.1800 +/- 0.0139
Std Dev: 0.3162 +/- 0.0104	Std Dev: 0.3344 +/- 0.0103	Std Dev: 0.3261 +/- 0.0098

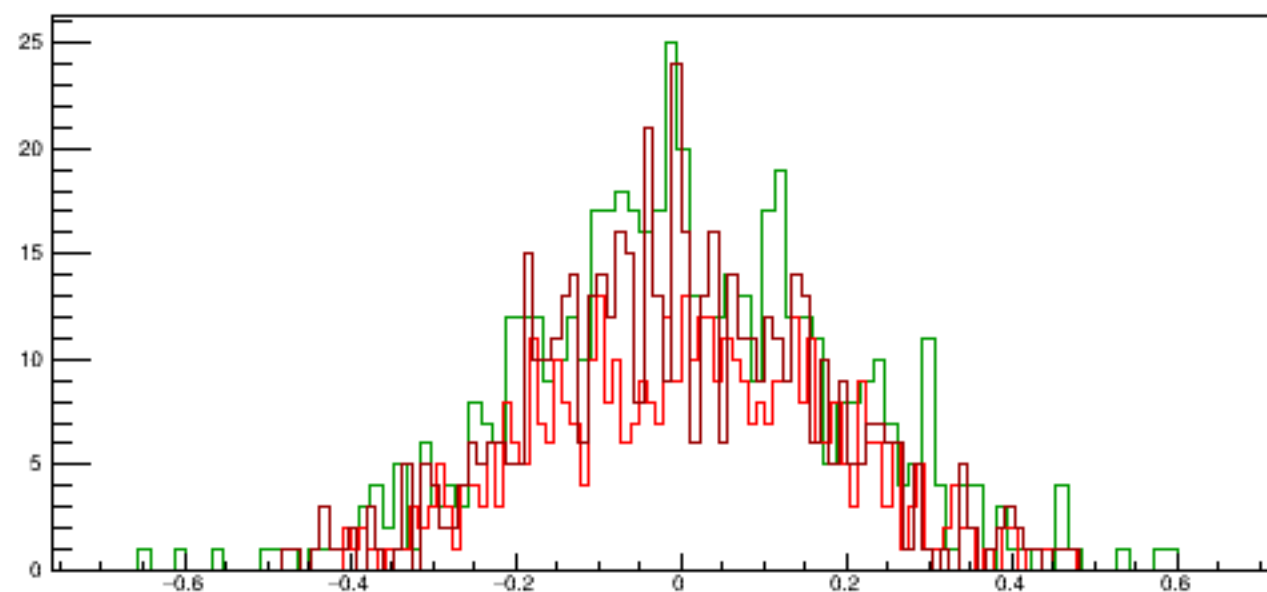
Run 4300 quartetwise, Sums



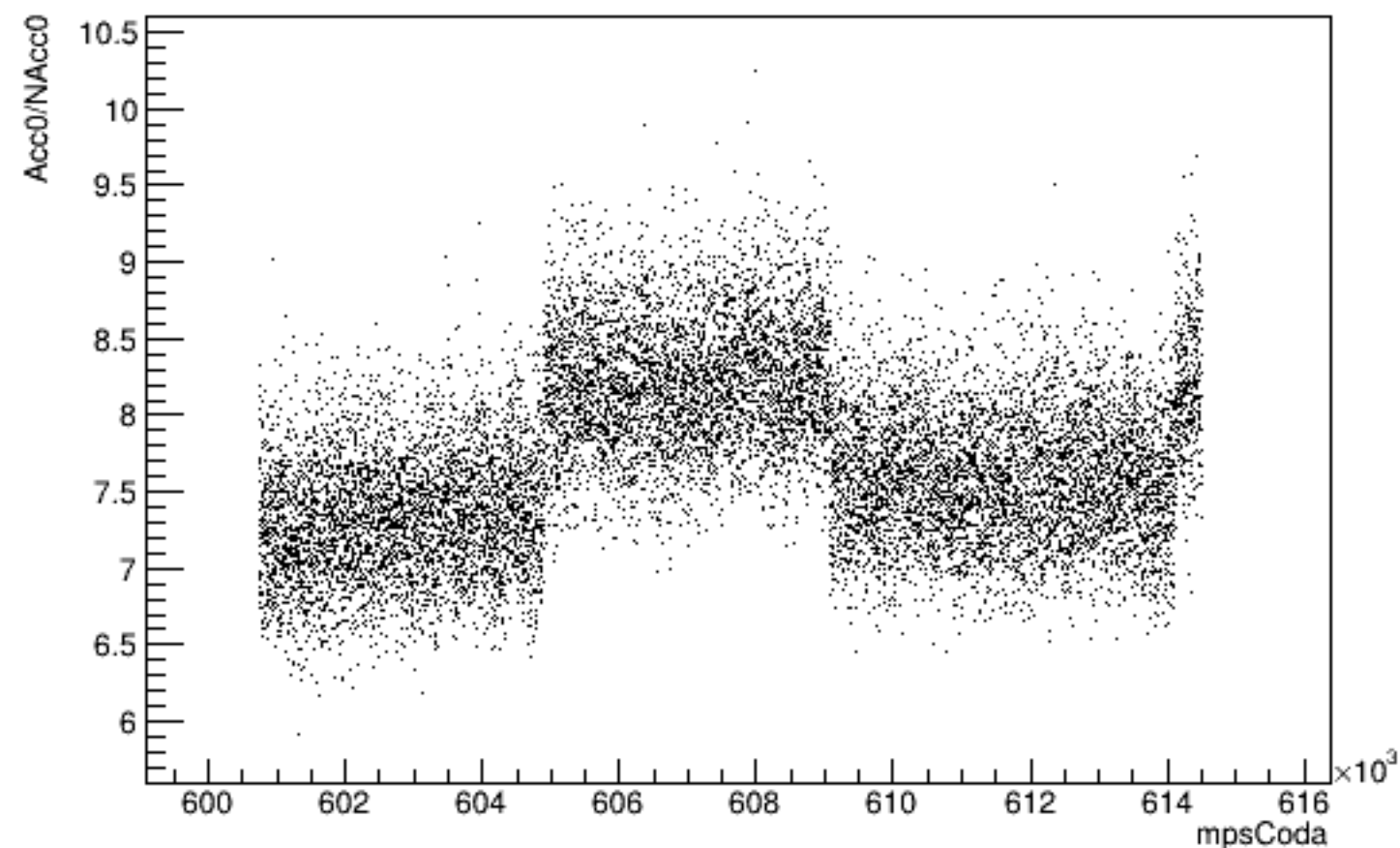
Cycle 9, Asyms

Entries: 464	Entries: 523	Entries: 549
Mean: 0.0102 +/- 0.0082	Mean: 0.0006 +/- 0.0084	Mean: -0.0058 +/- 0.0074
Std Dev: 0.1758 +/- 0.0058	Std Dev: 0.1924 +/- 0.0059	Std Dev: 0.1744 +/- 0.0053

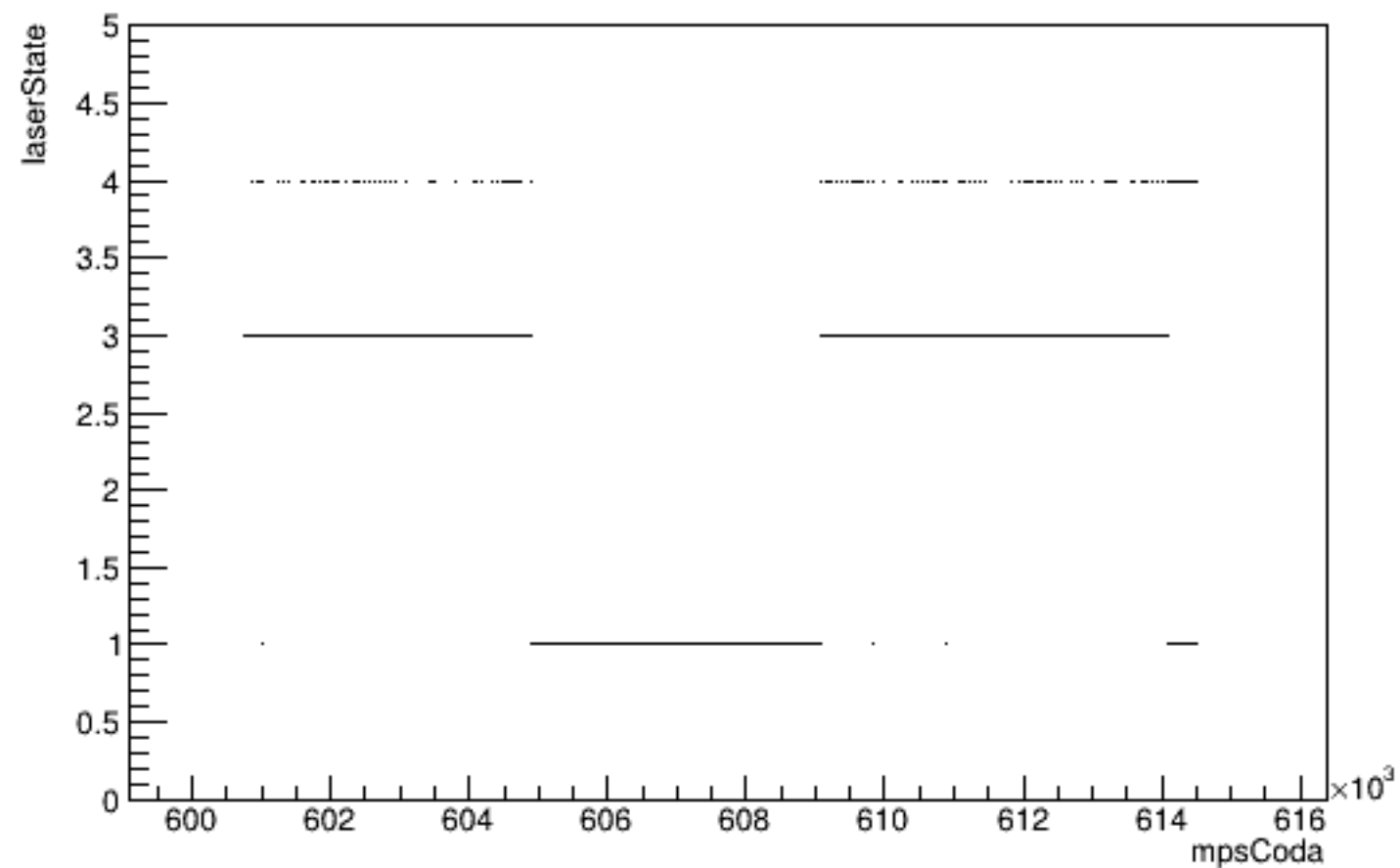
Run 4300 quartetwise, Asyms



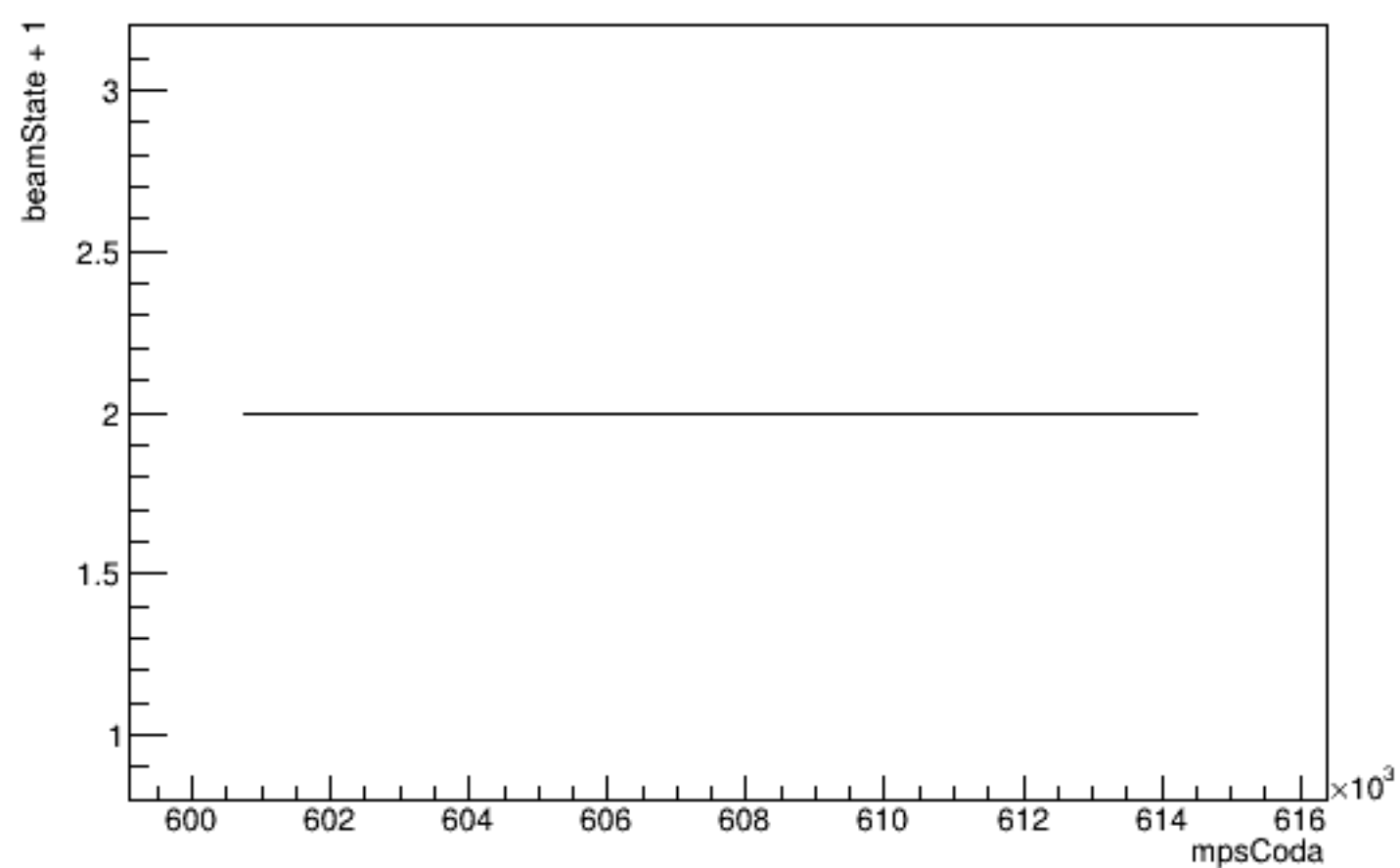
Acc0/NAcc0:mpsCoda (mpsCoda>=600738 && mpsCoda<=614497 && beamState==1)



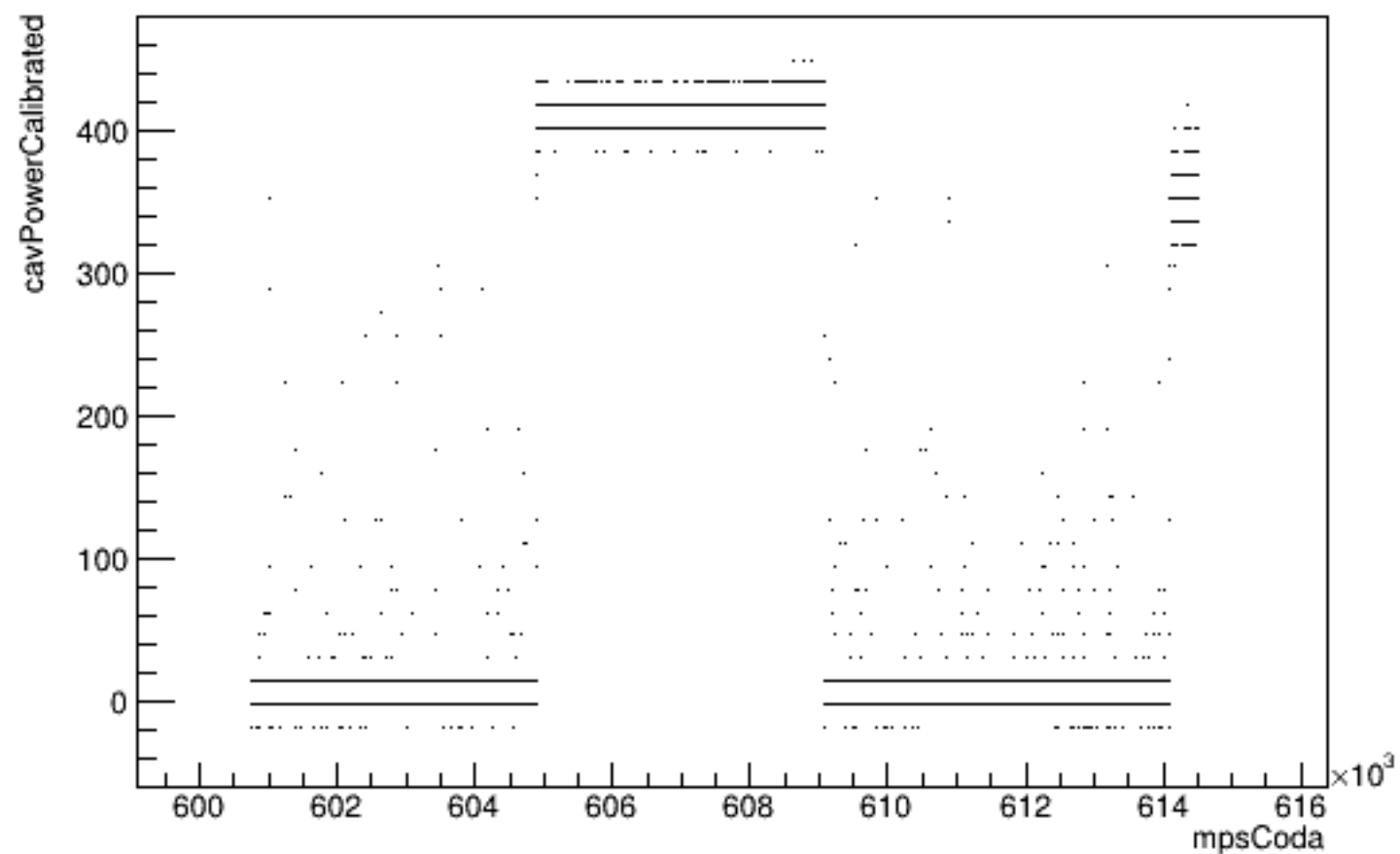
laserState:mpsCoda {mpsCoda>=600738 && mpsCoda<=614497}



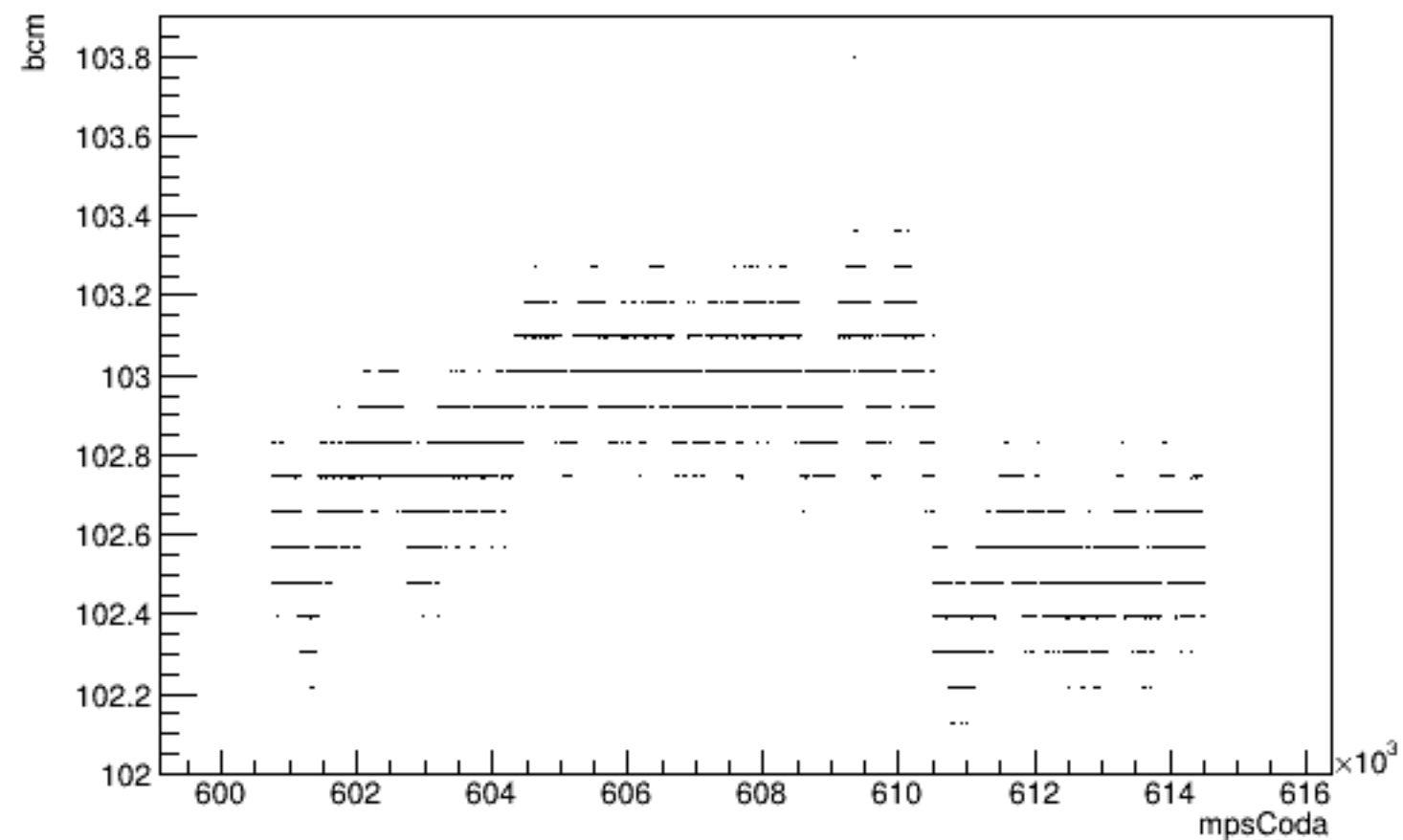
beamState + 1:mpsCoda {mpsCoda>=600738 && mpsCoda<=614497}



cavPowerCalibrated:mpsCoda {mpsCoda>=600738 && mpsCoda<=614497}



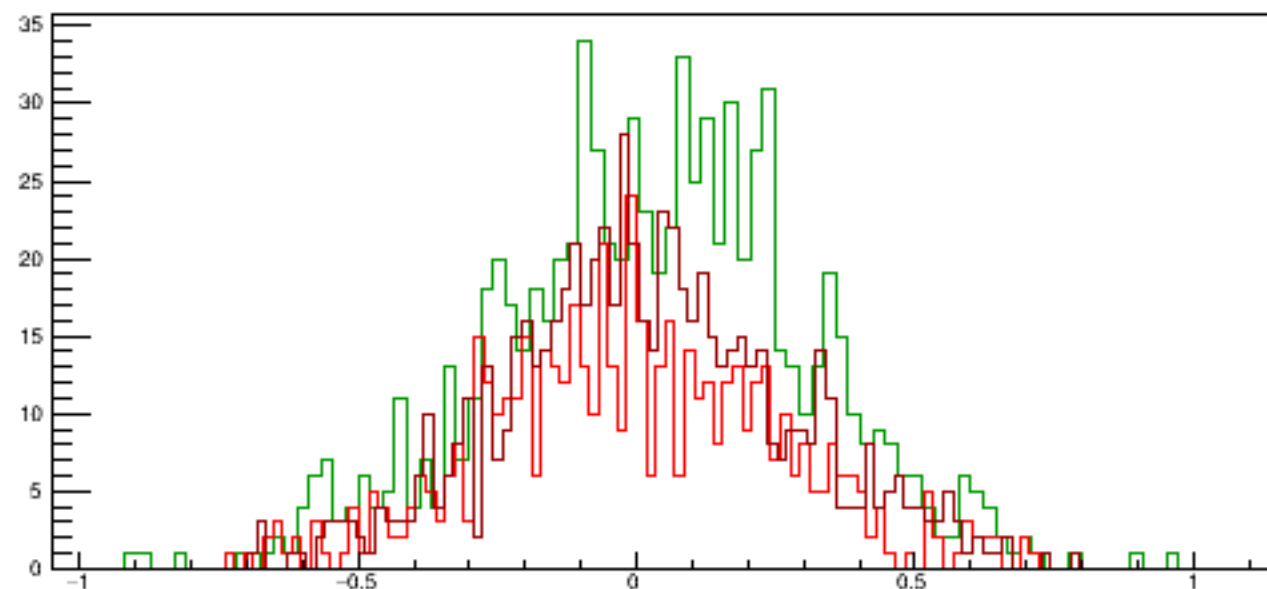
bcm:mpsCoda {mpsCoda>=600738 && mpsCoda<=614497}



Cycle 10, Diffs

Entries: 549	Entries: 822	Entries: 691
Mean: -0.0089 +/- 0.0114	Mean: 0.0287 +/- 0.0098	Mean: 0.0175 +/- 0.0098
Std Dev: 0.2662 +/- 0.0080	Std Dev: 0.2807 +/- 0.0069	Std Dev: 0.2572 +/- 0.0069

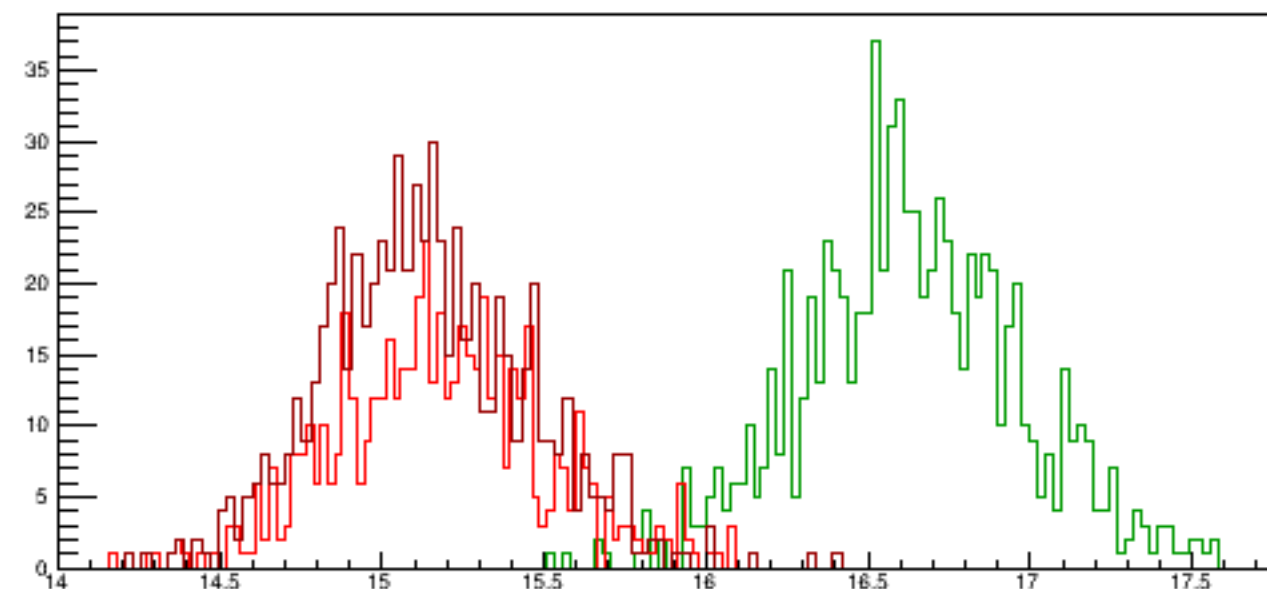
Run 4300 quartetwise, Diffs



Cycle 10, Sums

Entries: 549	Entries: 822	Entries: 691
Mean: 15.1800 +/- 0.0139	Mean: 16.6329 +/- 0.0118	Mean: 15.1365 +/- 0.0120
Std Dev: 0.3261 +/- 0.0098	Std Dev: 0.3393 +/- 0.0084	Std Dev: 0.3156 +/- 0.0085

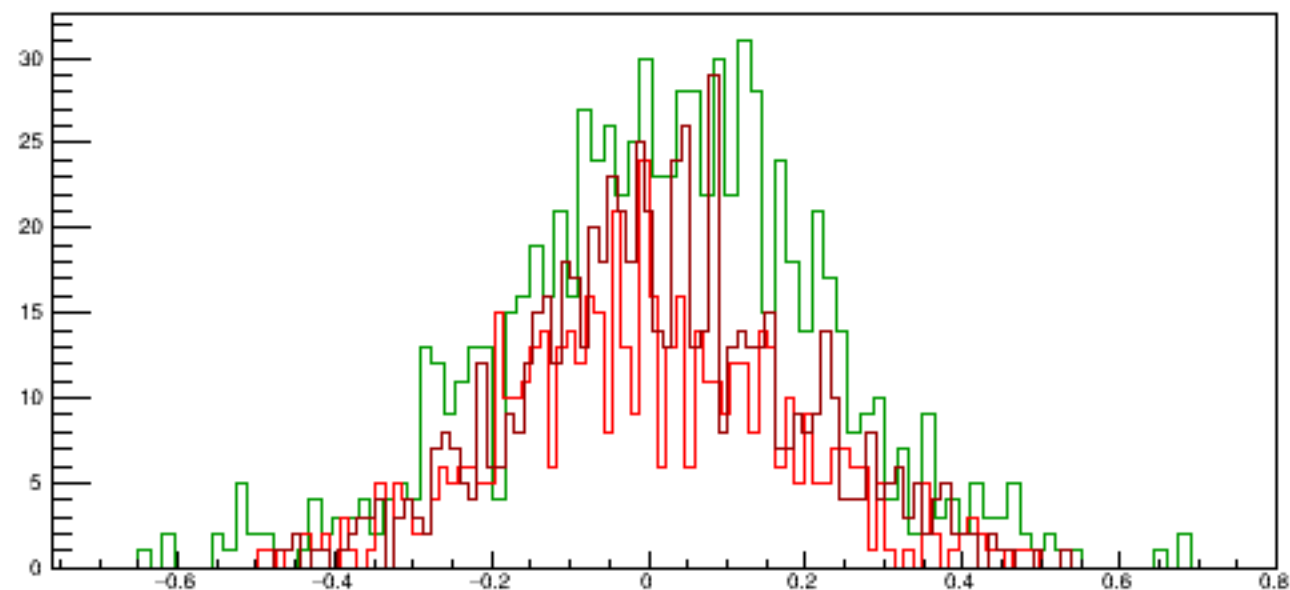
Run 4300 quartetwise, Sums



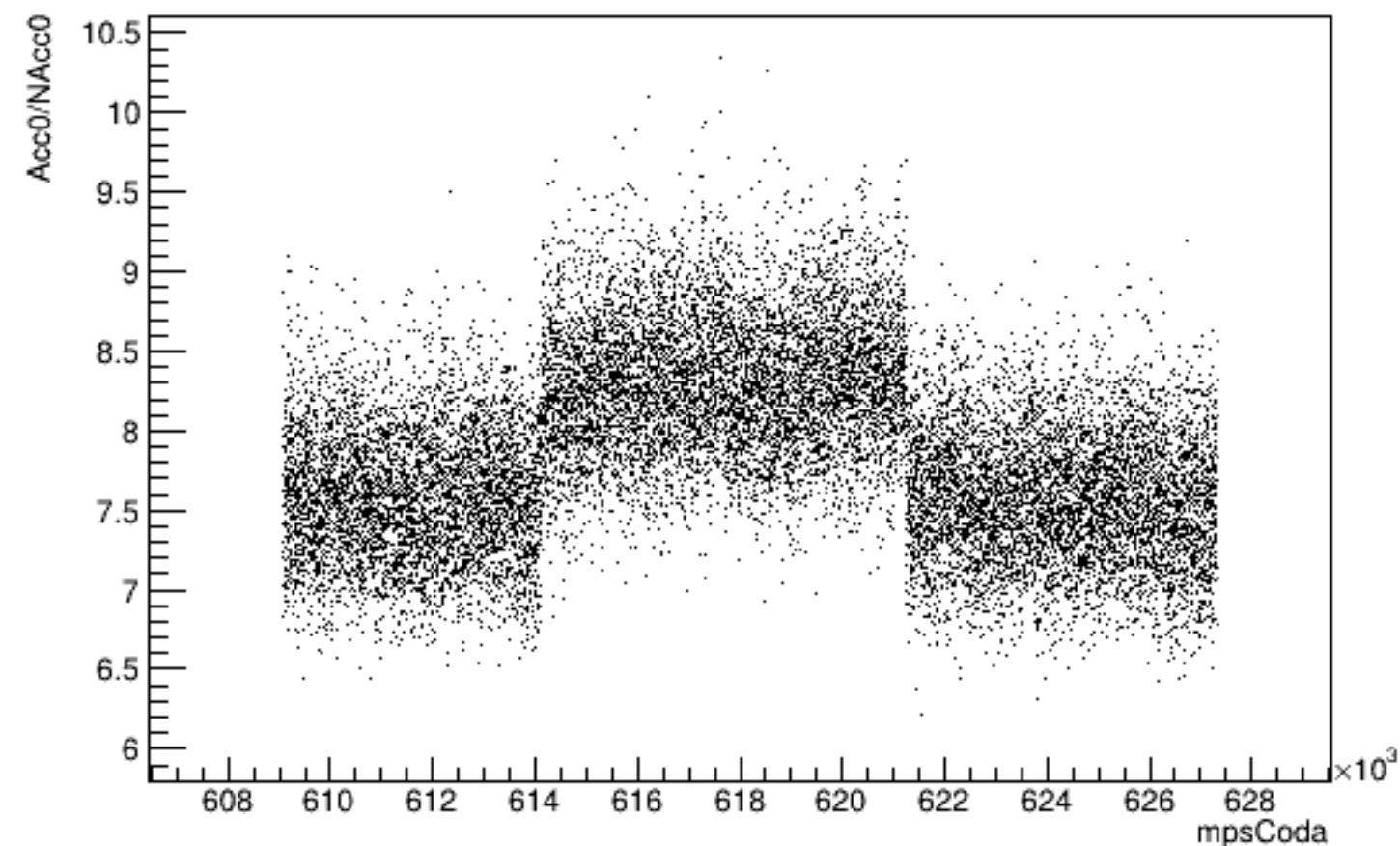
Cycle 10, Asyms

Entries: 549	Entries: 822	Entries: 691
Mean: -0.0060 +/- 0.0077	Mean: 0.0181 +/- 0.0071	Mean: 0.0119 +/- 0.0066
Std Dev: 0.1805 +/- 0.0054	Std Dev: 0.2035 +/- 0.0050	Std Dev: 0.1744 +/- 0.0047

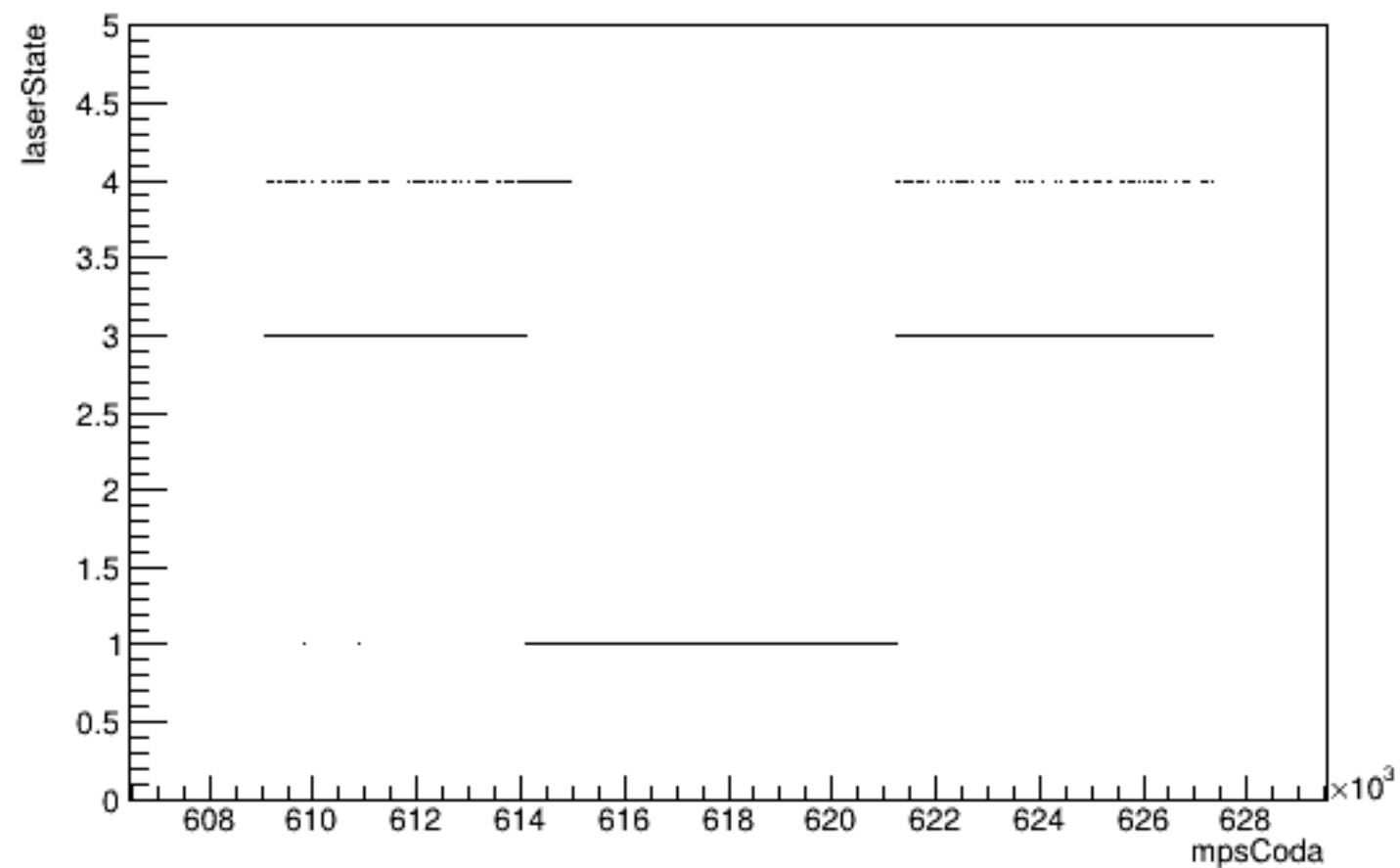
Run 4300 quartetwise, Asyms



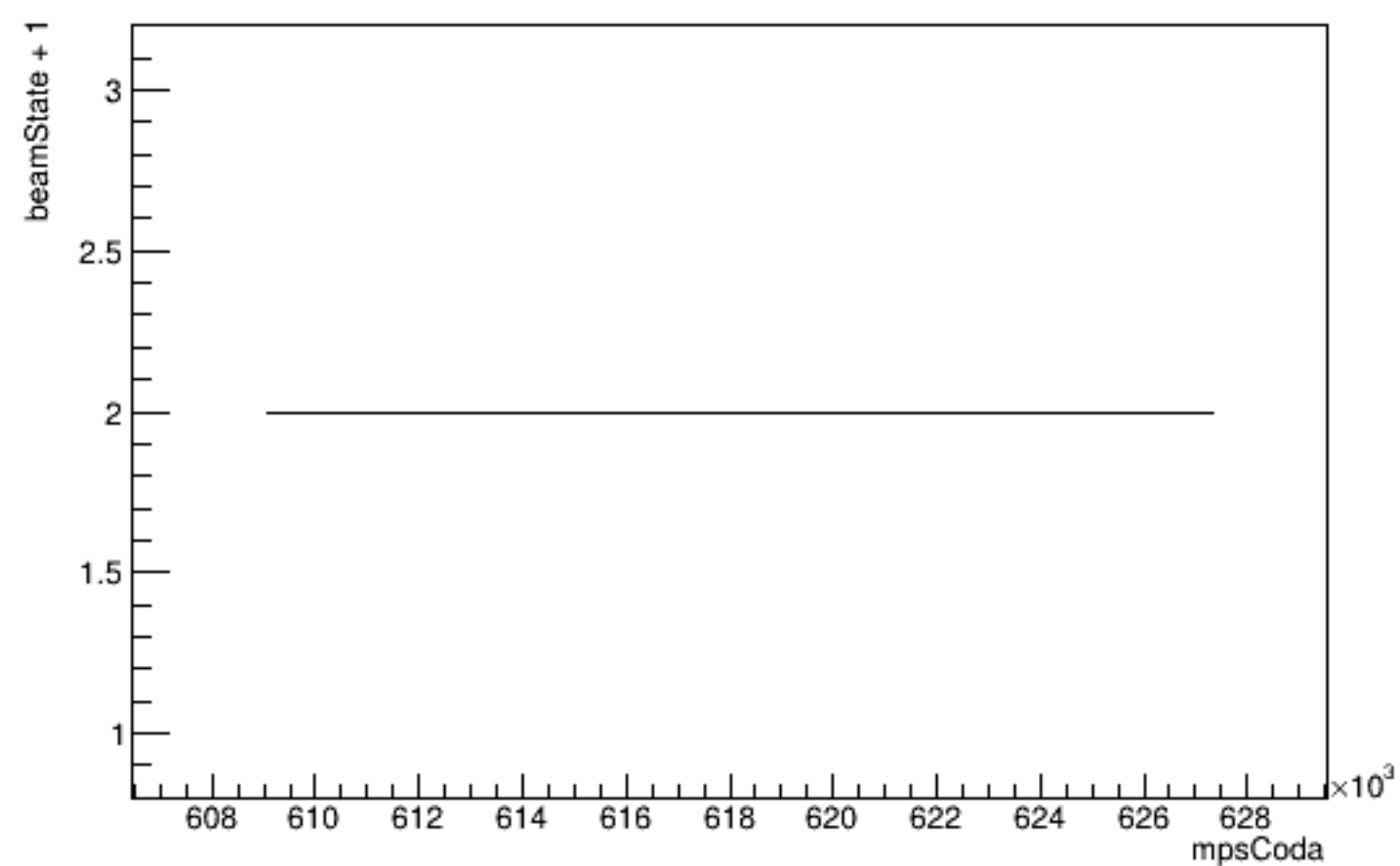
Acc0/NAcc0:mpsCoda (mpsCoda>=609082 && mpsCoda<=627313 && beamState==1)



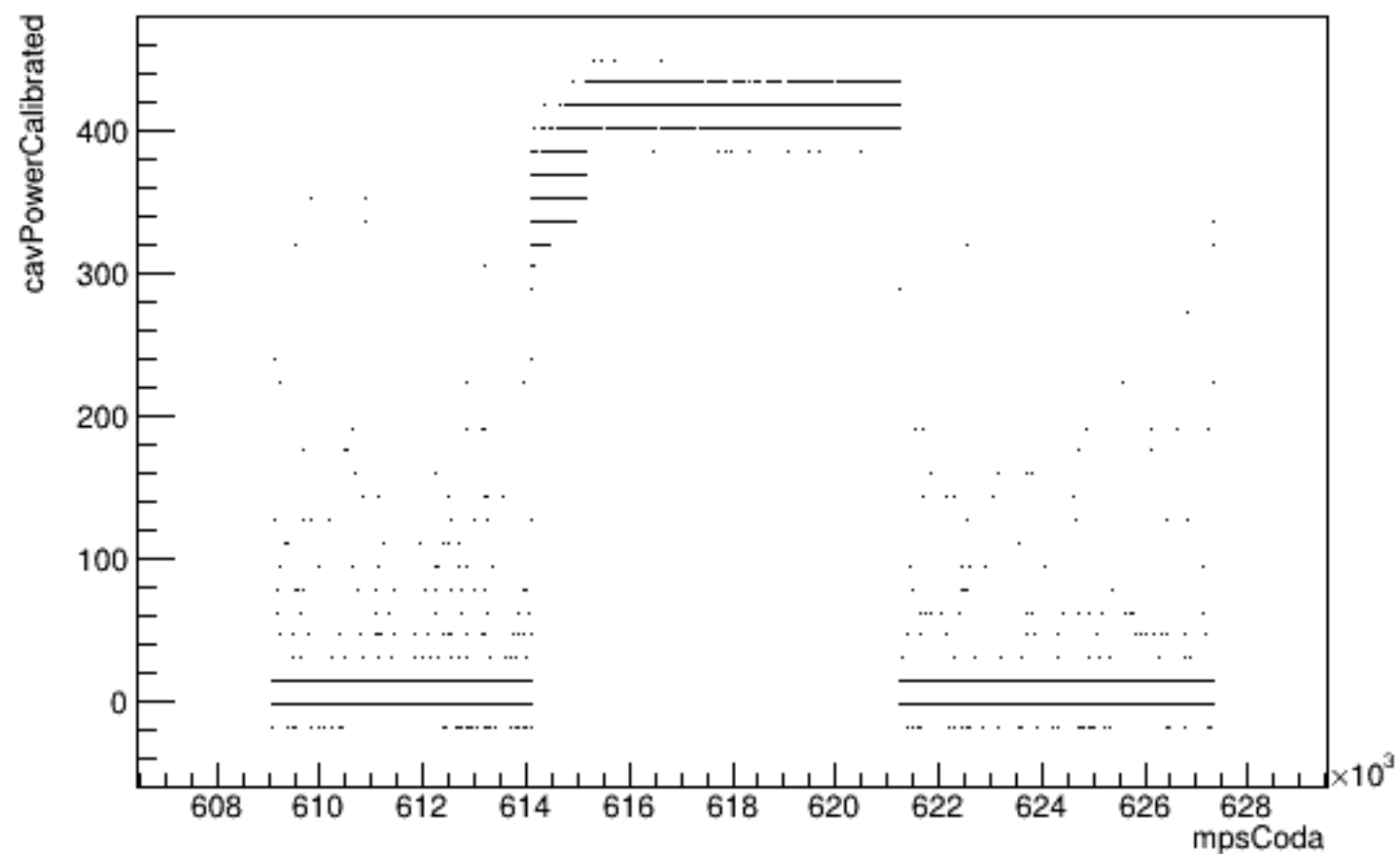
laserState:mpsCoda {mpsCoda>=609082 && mpsCoda<=627313}



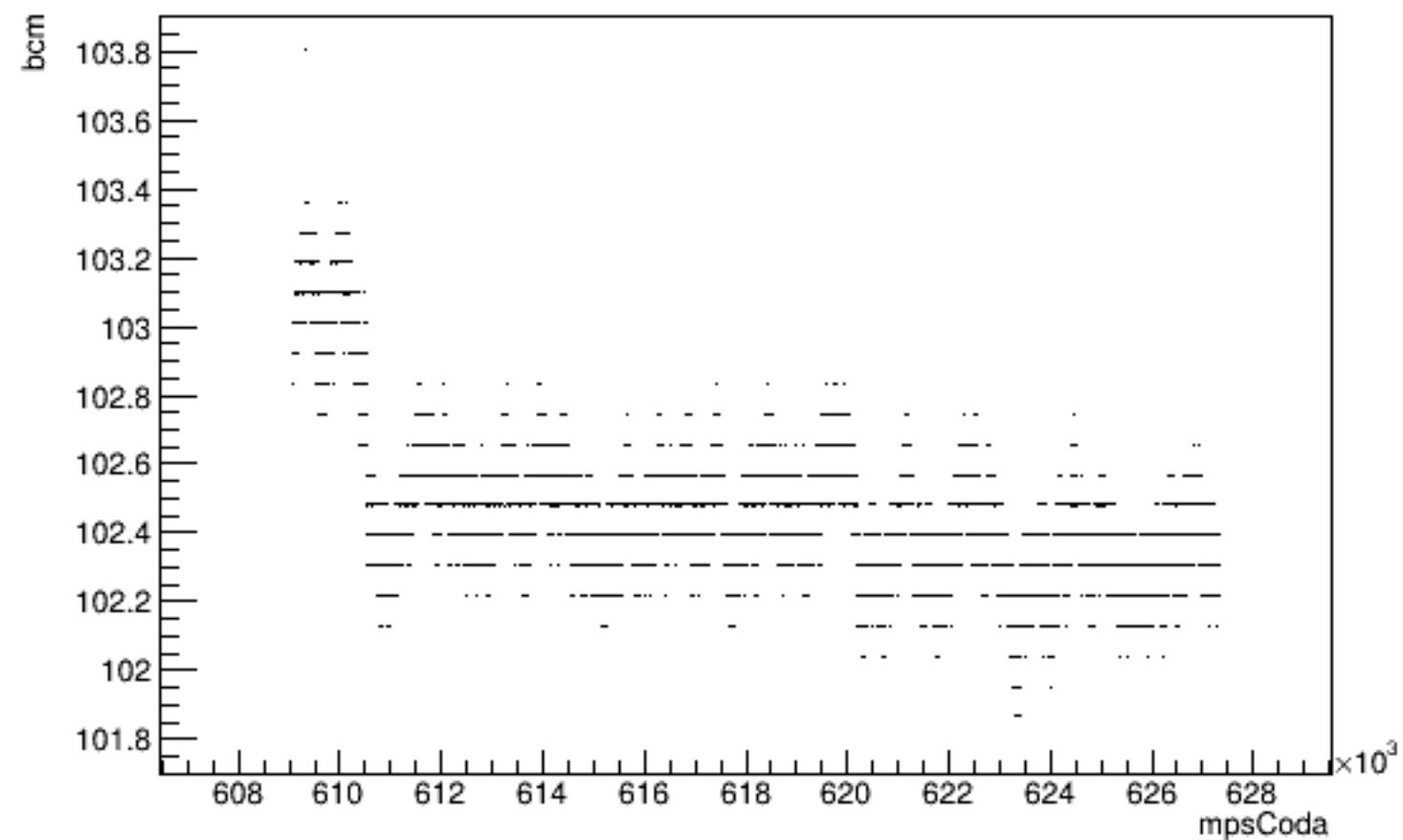
beamState + 1:mpsCoda {mpsCoda>=609082 && mpsCoda<=627313}



cavPowerCalibrated:mpsCoda {mpsCoda>=609082 && mpsCoda<=627313}



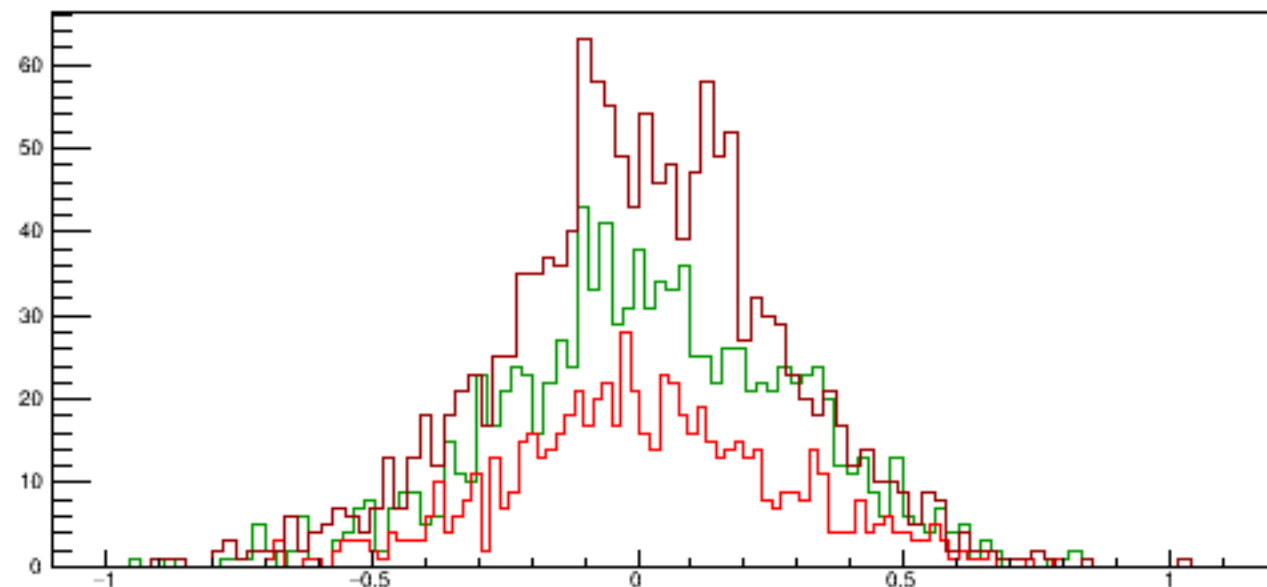
bcm:mpsCoda {mpsCoda>=609082 && mpsCoda<=627313}



Cycle 11, Diffs

Entries: 691	Entries: 1070	Entries: 1404
Mean: 0.0175 +/- 0.0098	Mean: 0.0223 +/- 0.0085	Mean: 0.0026 +/- 0.0071
Std Dev: 0.2572 +/- 0.0069	Std Dev: 0.2775 +/- 0.0060	Std Dev: 0.2667 +/- 0.0050

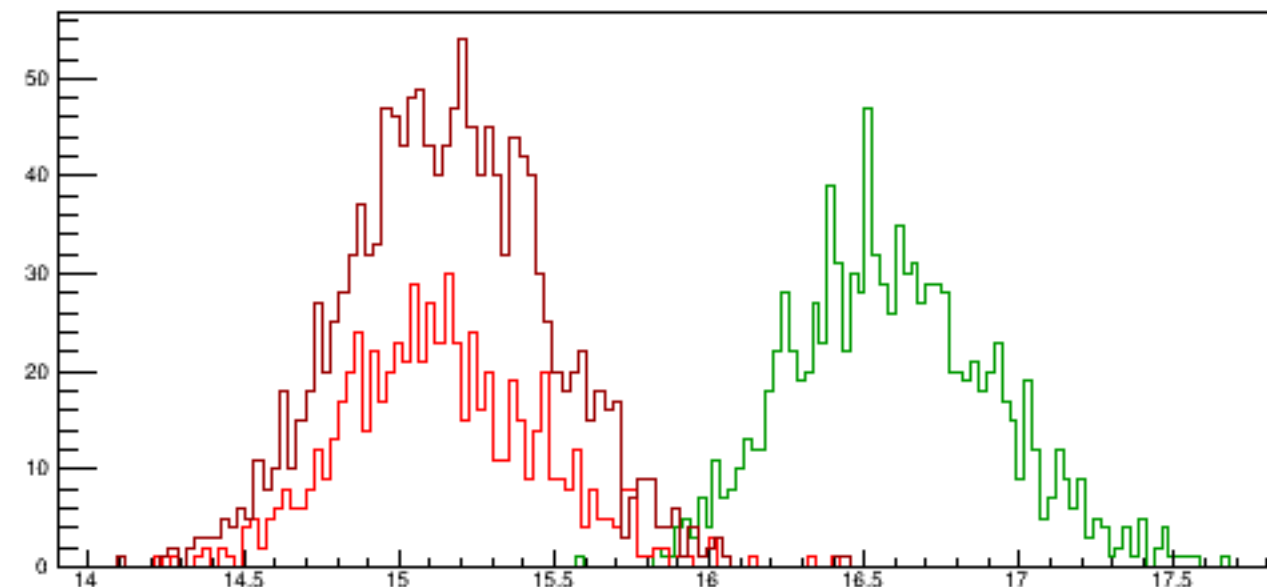
Run 4300 quartetwise, Diffs



Cycle 11, Sums

Entries: 691	Entries: 1070	Entries: 1404
Mean: 15.1365 +/- 0.0120	Mean: 16.5941 +/- 0.0100	Mean: 15.1559 +/- 0.0087
Std Dev: 0.3156 +/- 0.0085	Std Dev: 0.3257 +/- 0.0070	Std Dev: 0.3253 +/- 0.0061

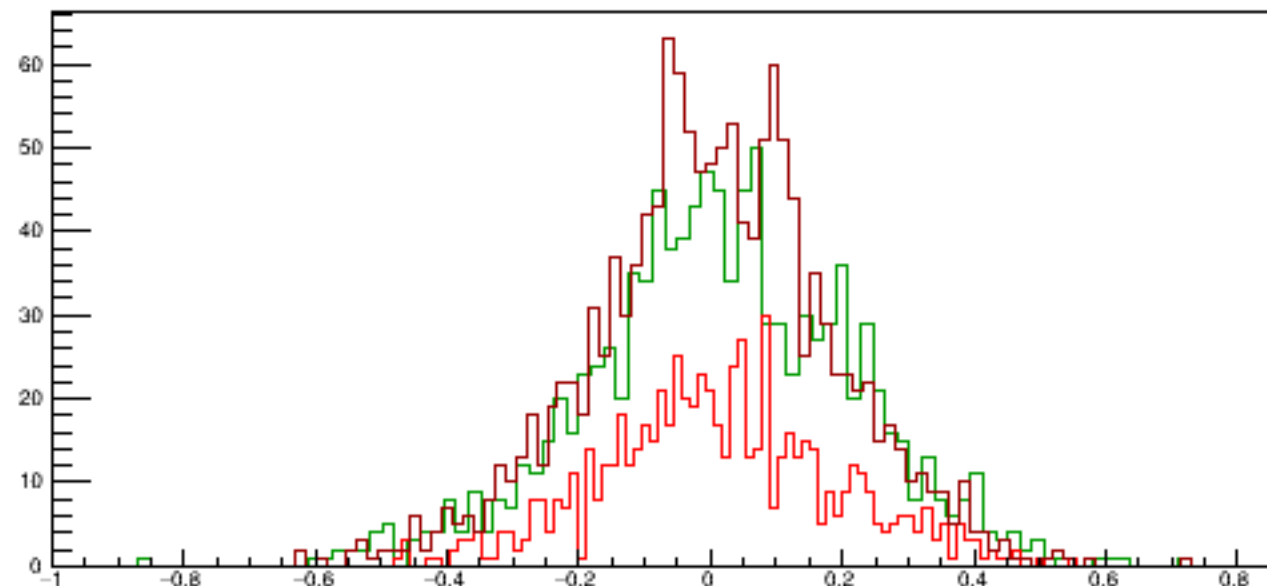
Run 4300 quartetwise, Sums



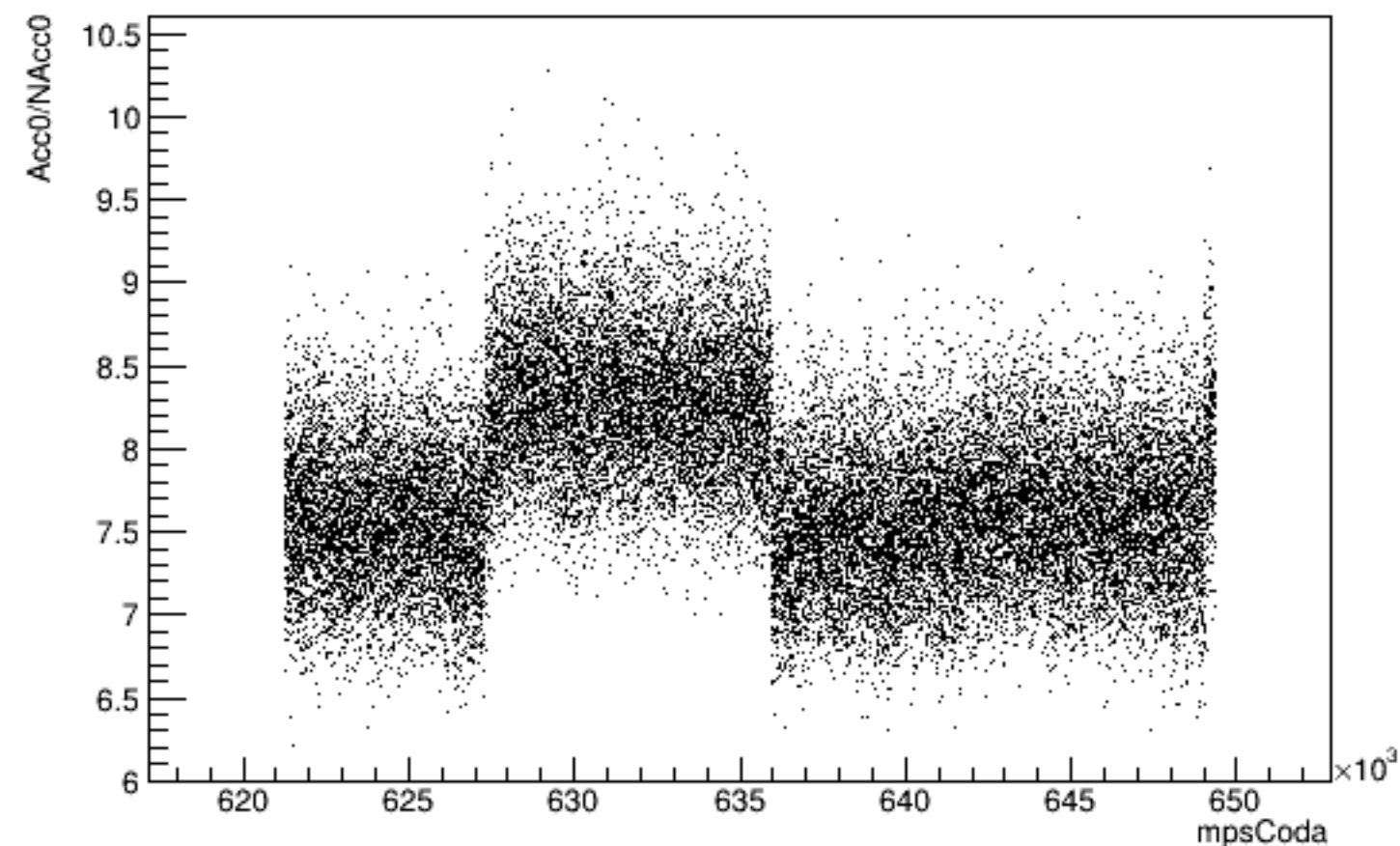
Cycle 11, Asyms

Entries: 691	Entries: 1070	Entries: 1404
Mean: 0.0121 +/- 0.0068	Mean: 0.0136 +/- 0.0062	Mean: 0.0018 +/- 0.0049
Std Dev: 0.1776 +/- 0.0048	Std Dev: 0.2029 +/- 0.0044	Std Dev: 0.1842 +/- 0.0035

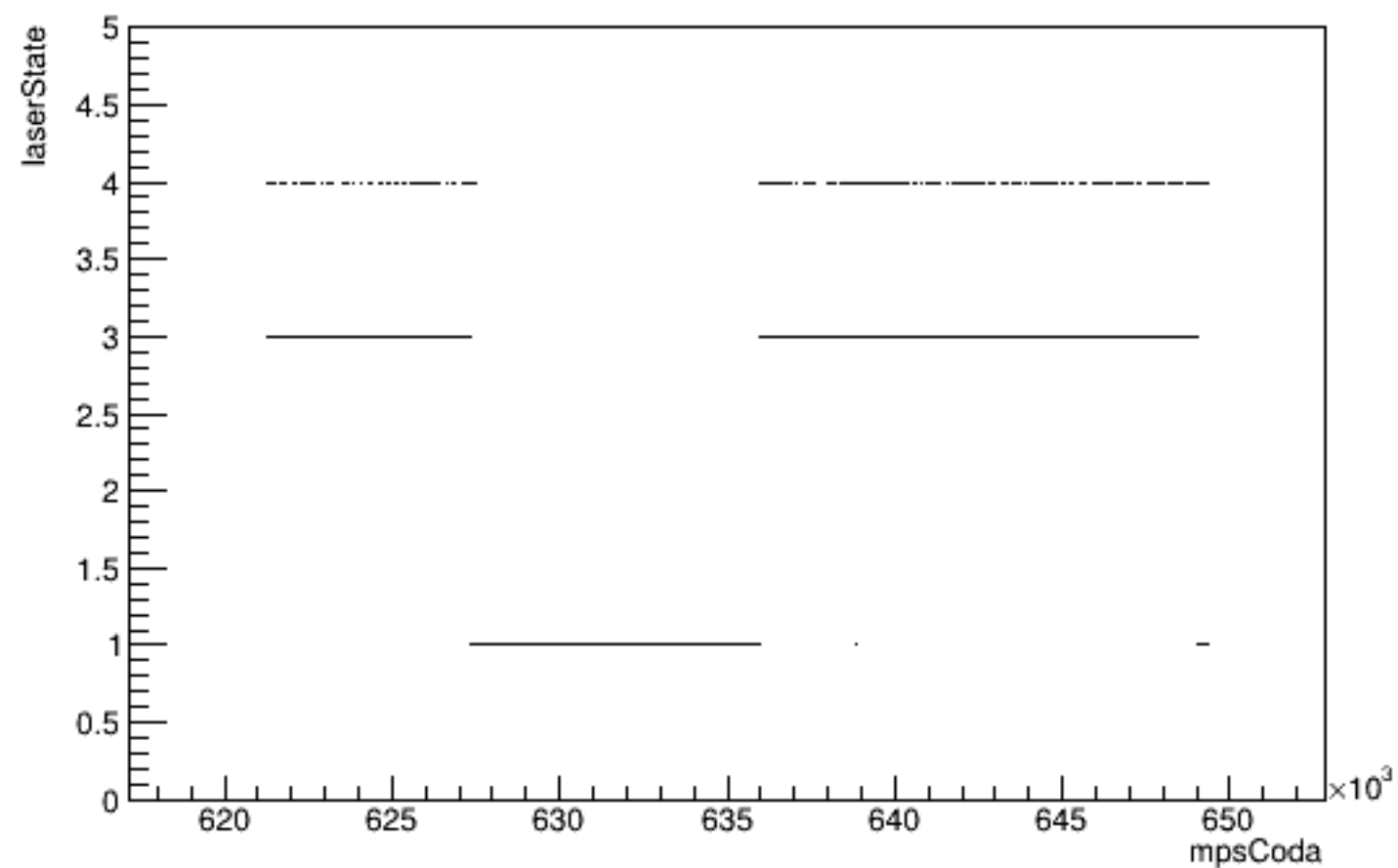
Run 4300 quartetwise, Asyms



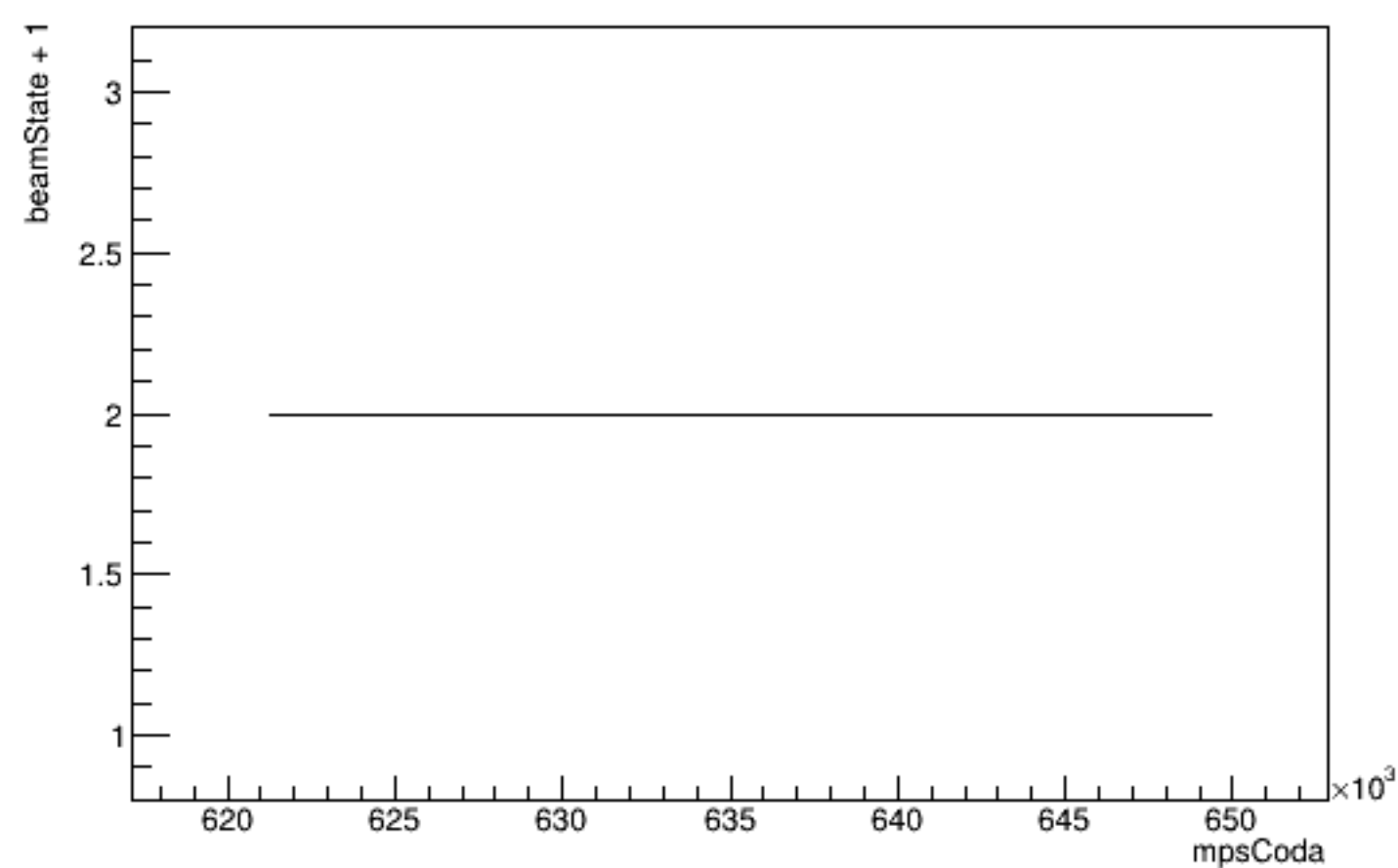
Acc0/NAcc0:mpsCoda (mpsCoda>=621250 && mpsCoda<=649345 && beamState==1)



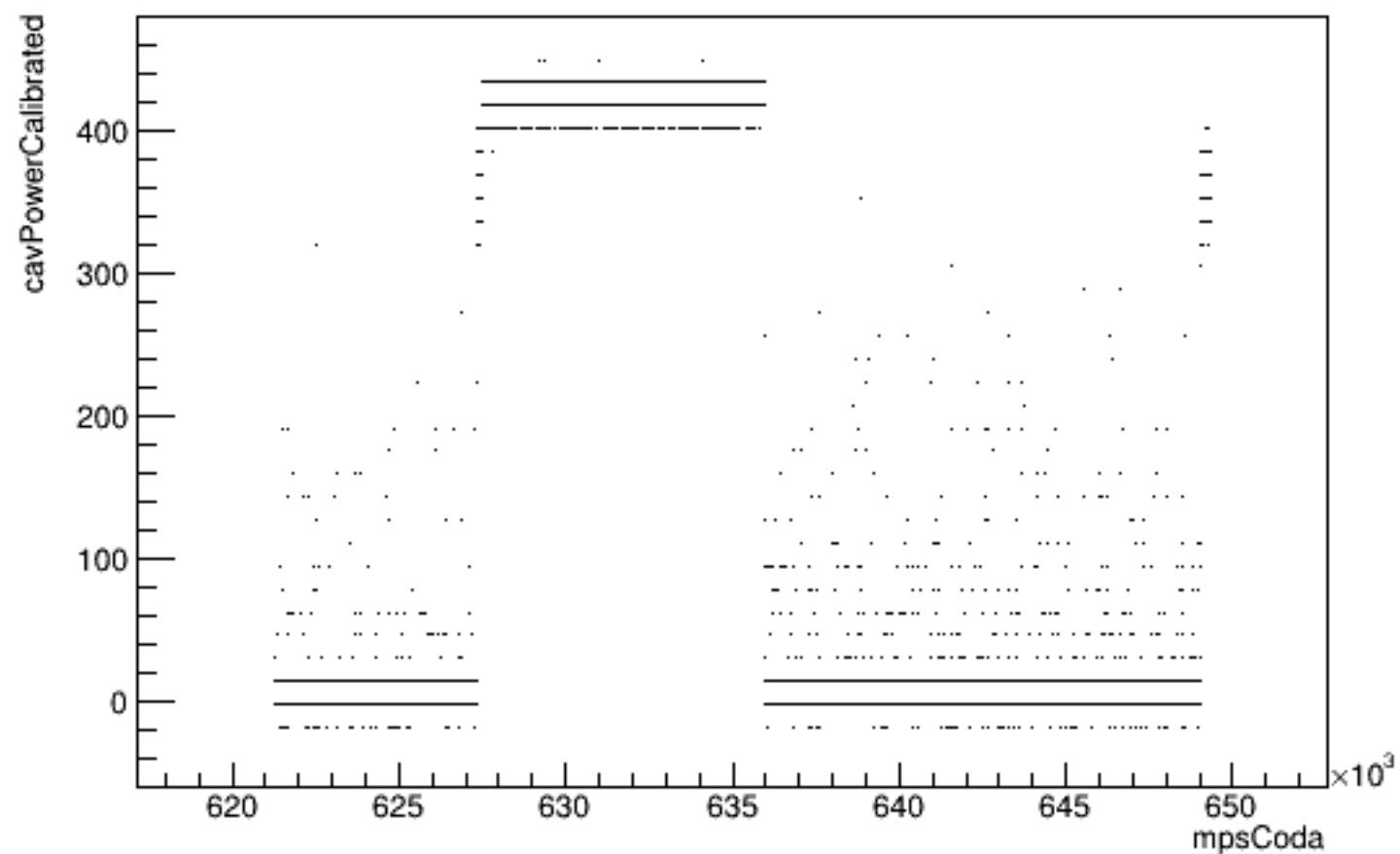
laserState:mpsCoda {mpsCoda>=621250 && mpsCoda<=649345}



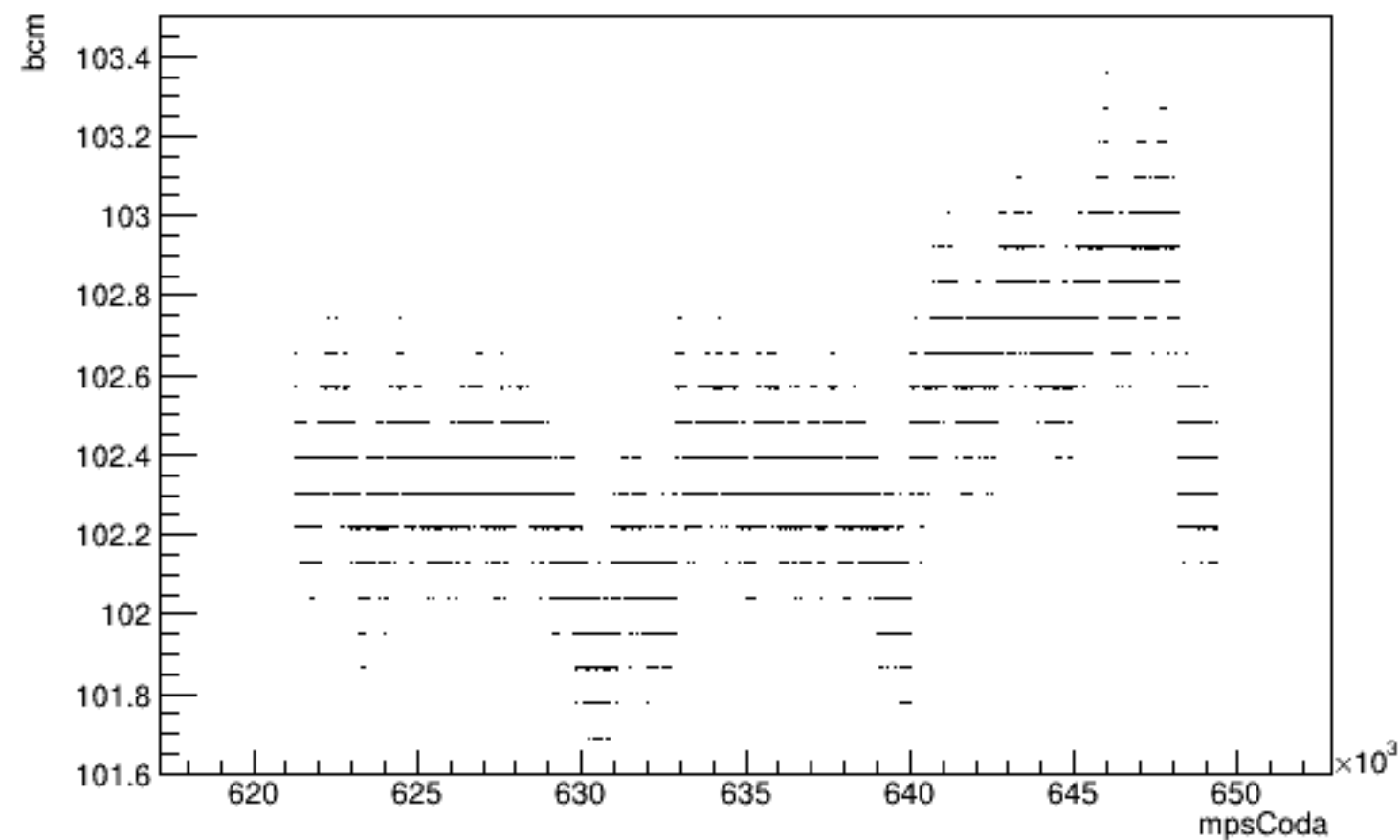
beamState + 1:mpsCoda {mpsCoda>=621250 && mpsCoda<=649345}



cavPowerCalibrated:mpsCoda {mpsCoda>=621250 && mpsCoda<=649345}



bcm:mpsCoda {mpsCoda>=621250 && mpsCoda<=649345}



Cycle 12, Diffs

Entries: 1404

Mean: 0.0026 +/- 0.0071

Std Dev: 0.2667 +/- 0.0050

Entries: 540

Mean: 0.0135 +/- 0.0122

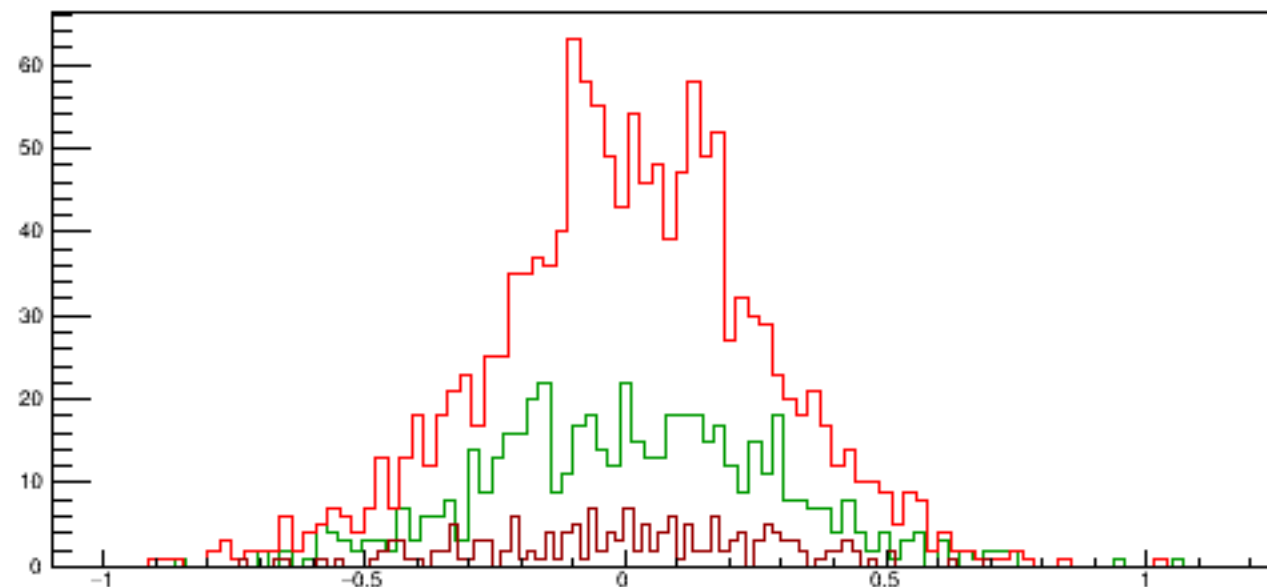
Std Dev: 0.2840 +/- 0.0086

Entries: 162

Mean: 0.0004 +/- 0.0218

Std Dev: 0.2780 +/- 0.0154

Run 4300 quartetwise, Diffs



Cycle 12, Sums

Entries: 1404

Mean: 15.1559 +/- 0.0087

Std Dev: 0.3253 +/- 0.0061

Entries: 540

Mean: 16.5256 +/- 0.0137

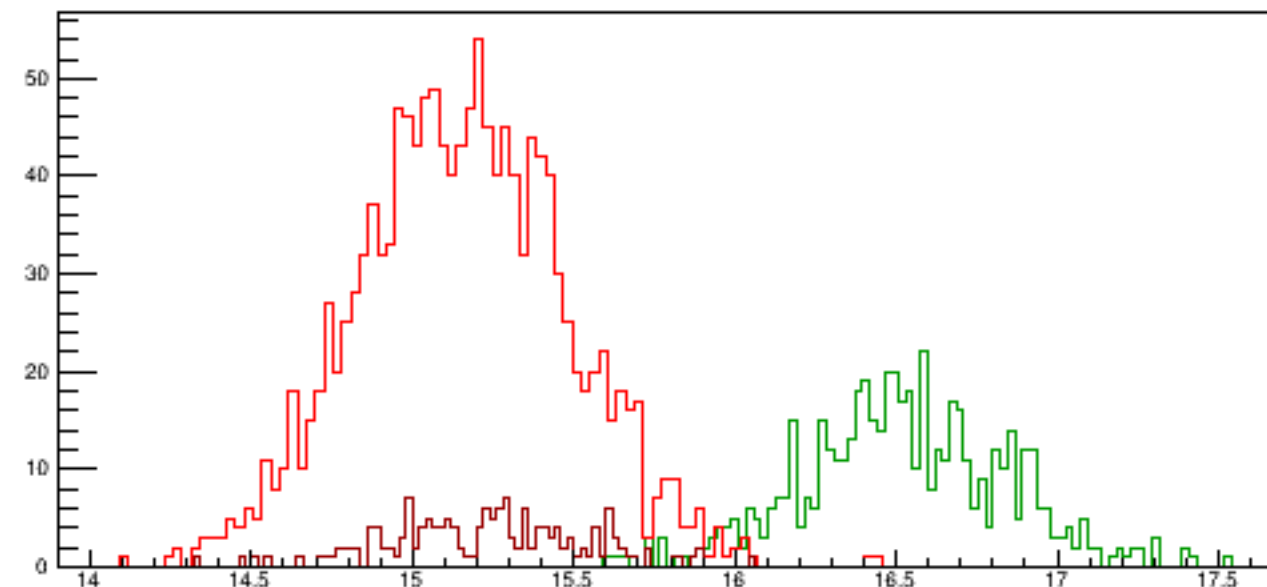
Std Dev: 0.3181 +/- 0.0097

Entries: 162

Mean: 15.2271 +/- 0.0239

Std Dev: 0.3036 +/- 0.0169

Run 4300 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=635954 && mpsCoda<=655289 && beamState==1)

Cycle 12, Asyms

Entries: 1404

Mean: 0.0019 +/- 0.0053

Std Dev: 0.1999 +/- 0.0038

Entries: 540

Mean: 0.0136 +/- 0.0099

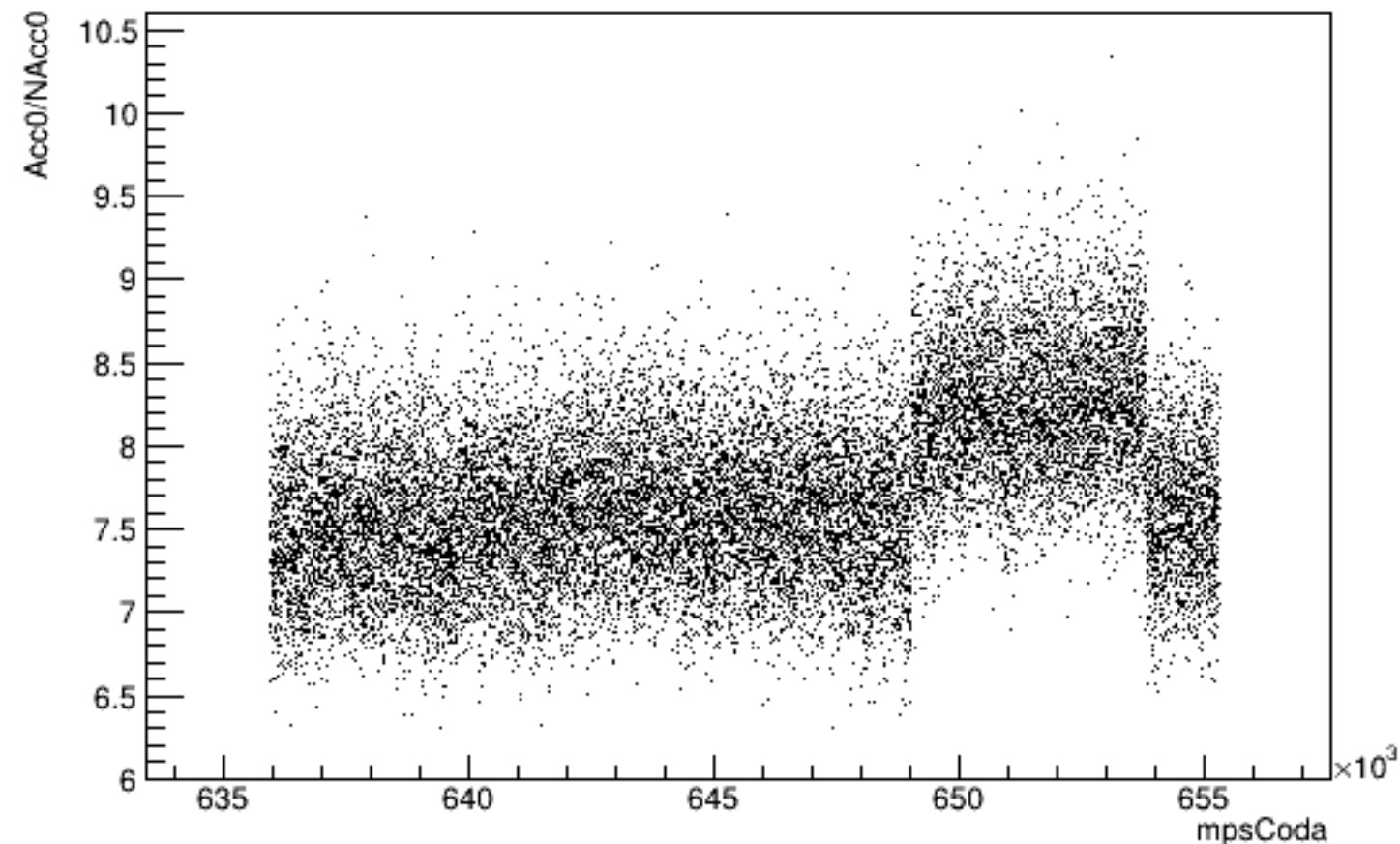
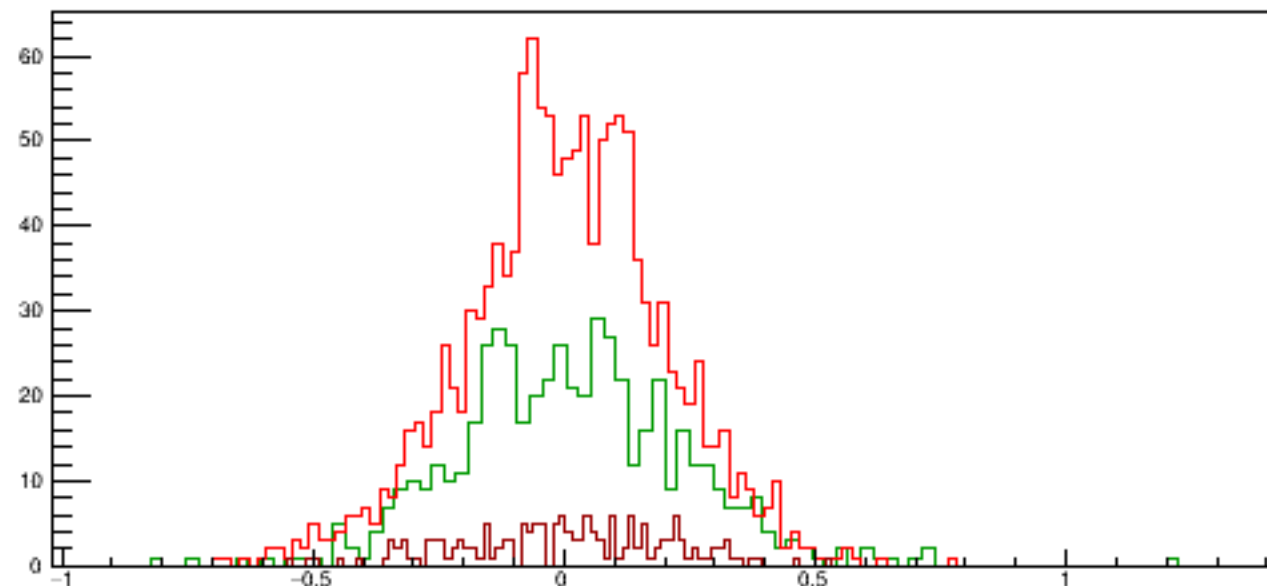
Std Dev: 0.2295 +/- 0.0070

Entries: 162

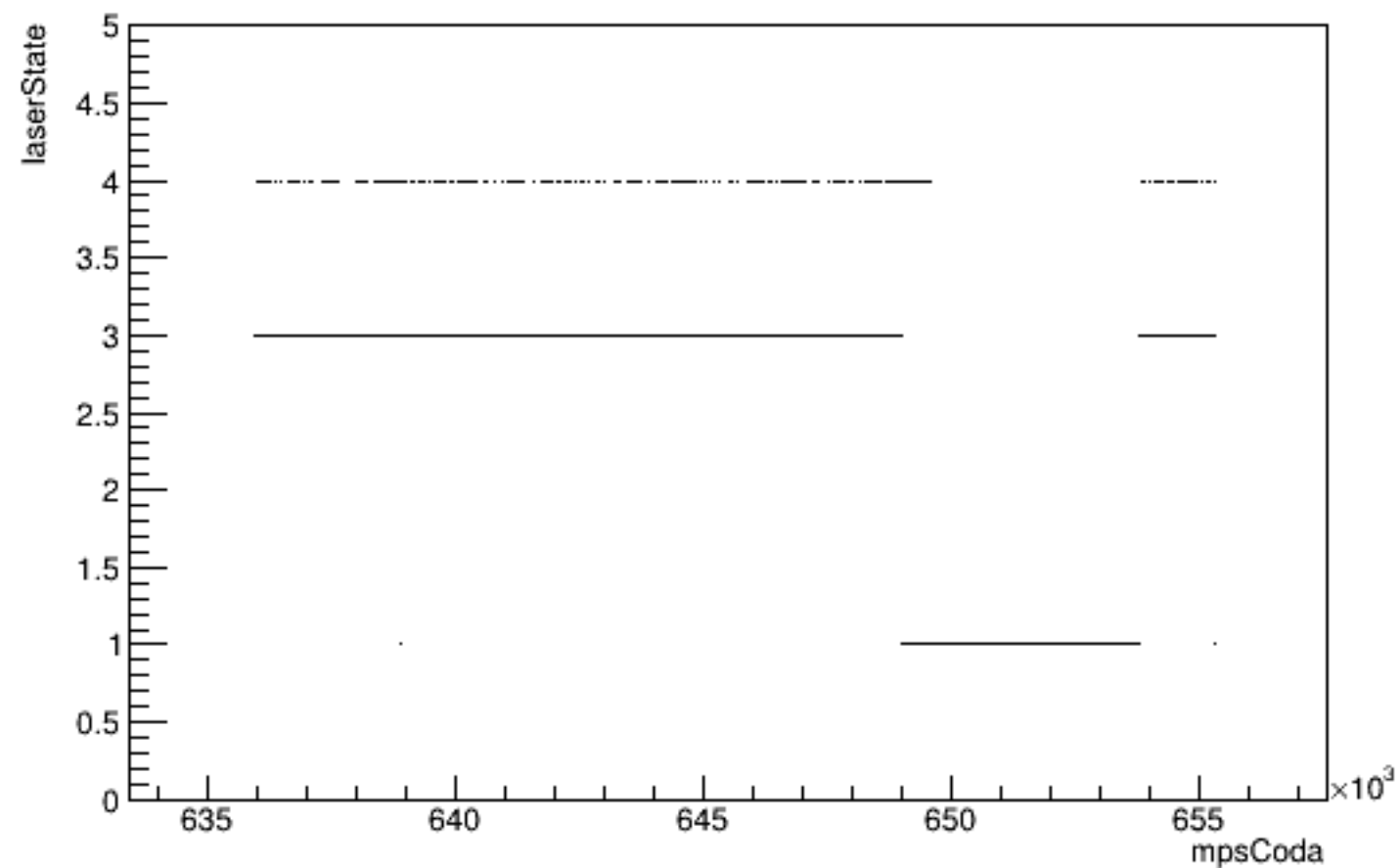
Mean: 0.0003 +/- 0.0164

Std Dev: 0.2084 +/- 0.0116

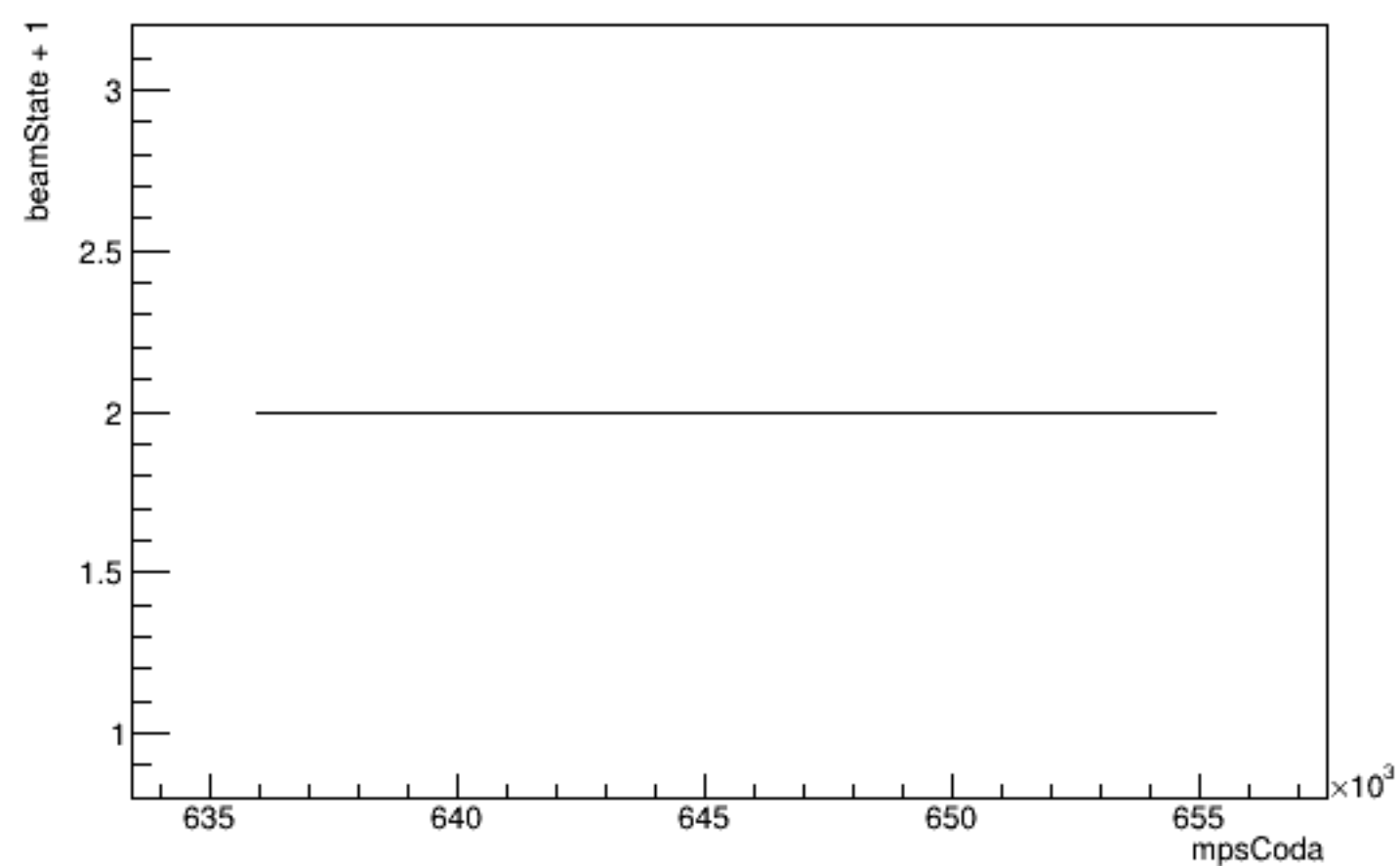
Run 4300 quartetwise, Asyms



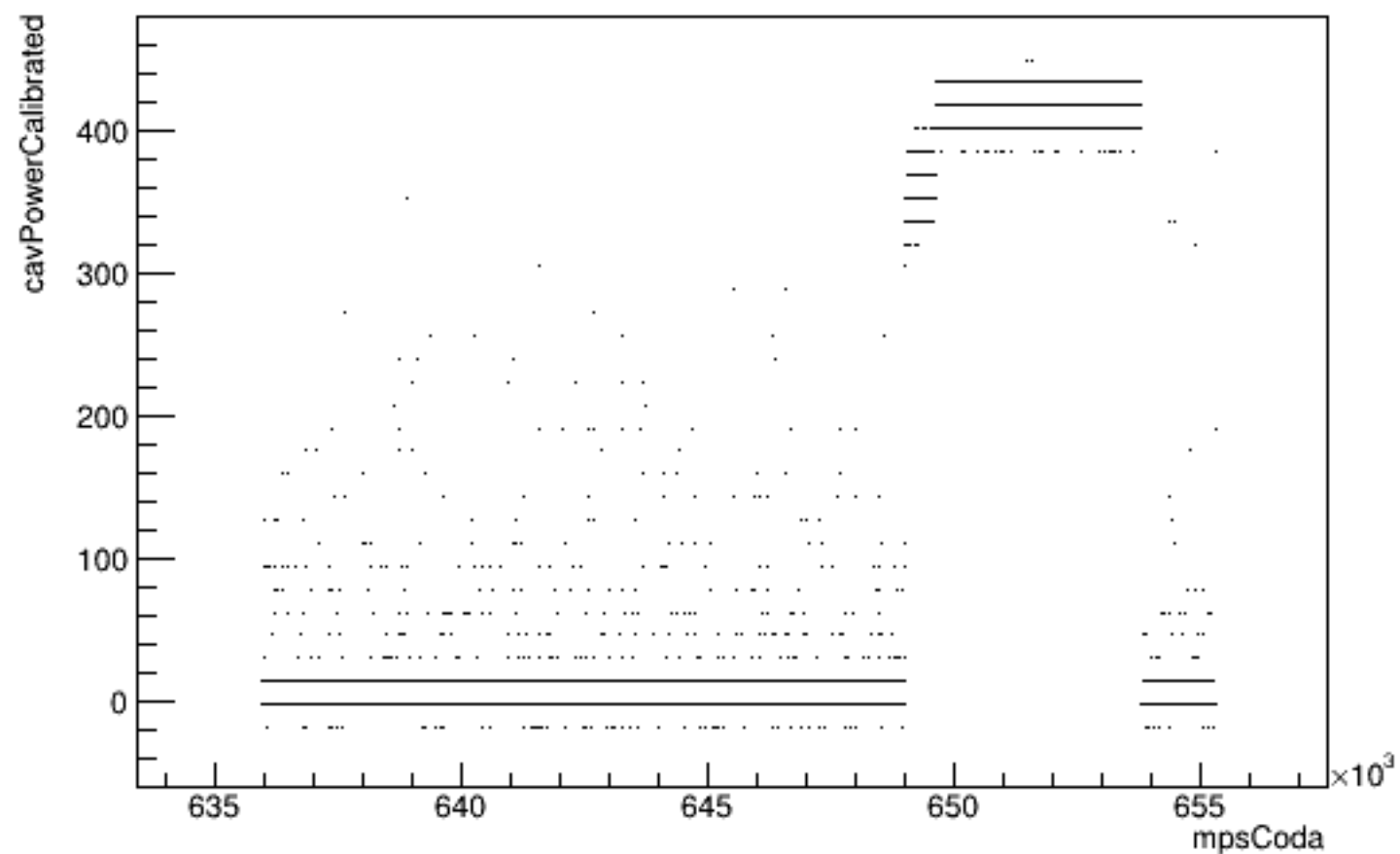
laserState:mpsCoda {mpsCoda>=635954 && mpsCoda<=655289}



beamState + 1:mpsCoda {mpsCoda>=635954 && mpsCoda<=655289}



cavPowerCalibrated:mpsCoda {mpsCoda>=635954 && mpsCoda<=655289}



bcm:mpsCoda {mpsCoda>=635954 && mpsCoda<=655289}

