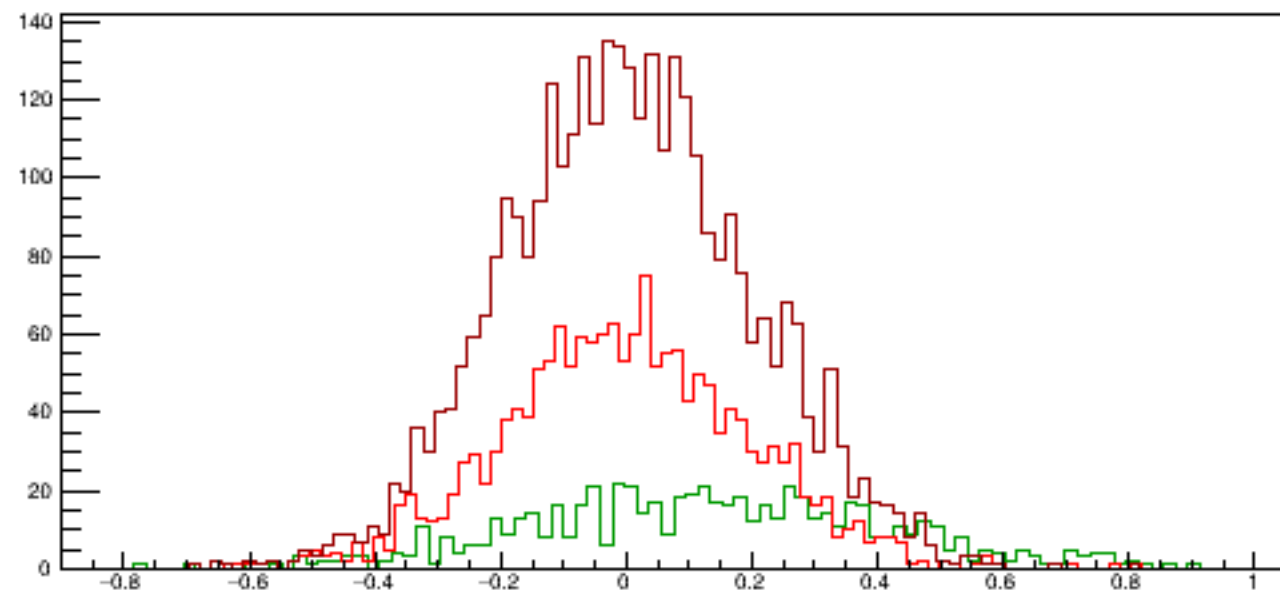


Cycle 1, Diffs

Entries: 1701	Entries: 647	Entries: 3483
Mean: -0.0012 +/- 0.0047	Mean: 0.1343 +/- 0.0111	Mean: 0.0031 +/- 0.0033
Std Dev: 0.1957 +/- 0.0034	Std Dev: 0.2824 +/- 0.0078	Std Dev: 0.1944 +/- 0.0023

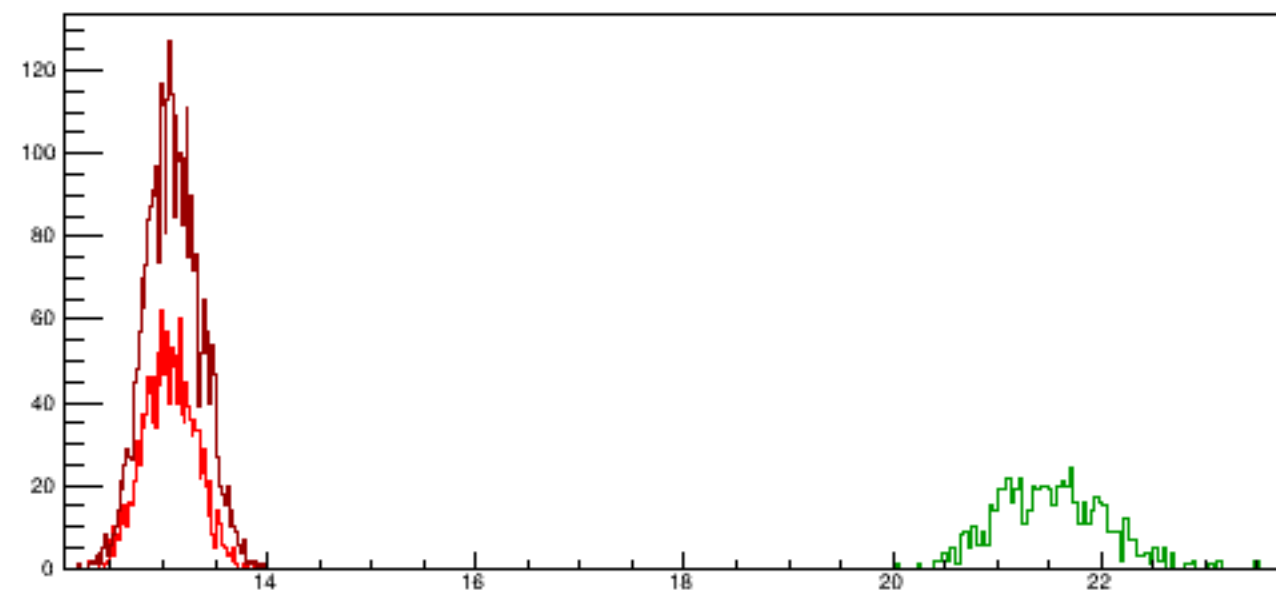
Run 4600 quartetwise, Diffs



Cycle 1, Sums

Entries: 1701	Entries: 647	Entries: 3483
Mean: 13.0589 +/- 0.0061	Mean: 21.5195 +/- 0.0204	Mean: 13.0926 +/- 0.0044
Std Dev: 0.2510 +/- 0.0043	Std Dev: 0.5187 +/- 0.0144	Std Dev: 0.2615 +/- 0.0031

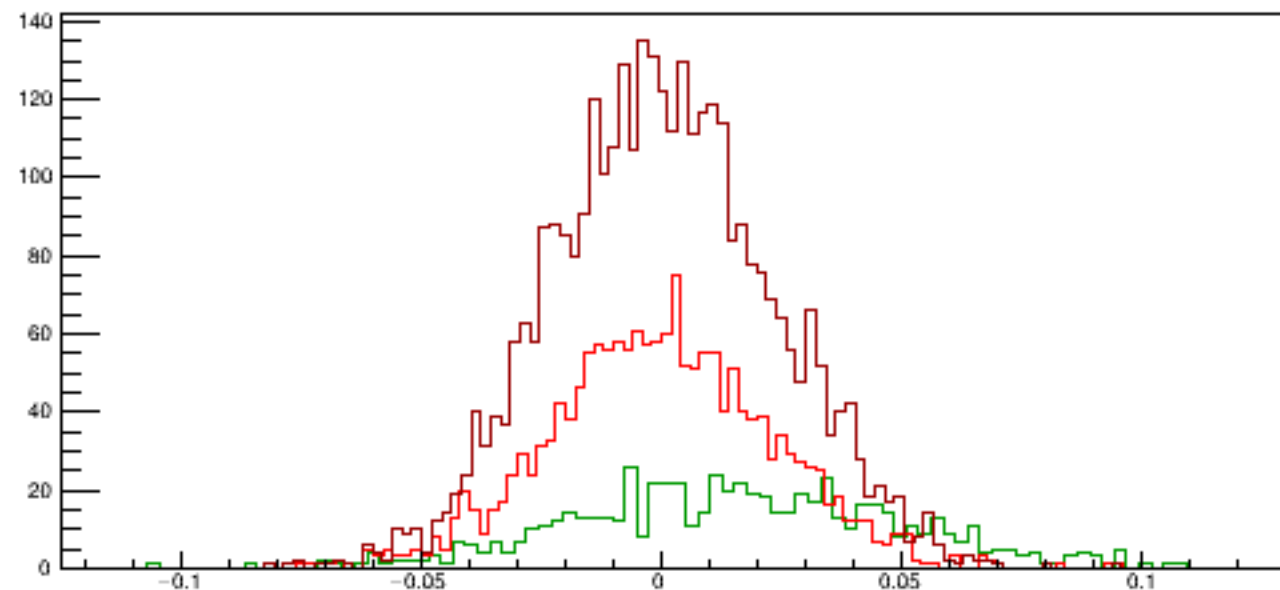
Run 4600 quartetwise, Sums



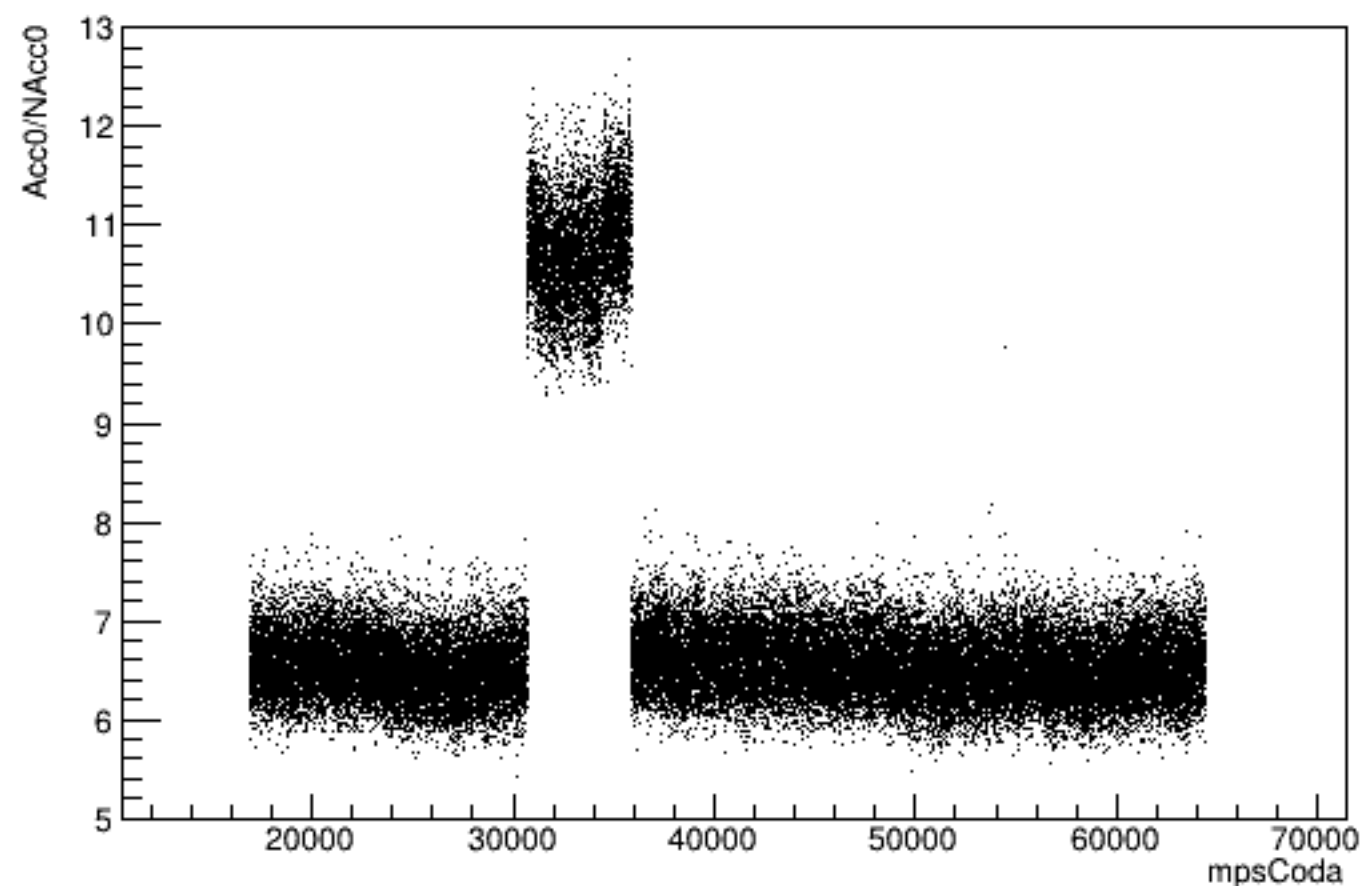
Cycle 1, Asyms

Entries: 1701	Entries: 647	Entries: 3483
Mean: -0.0001 +/- 0.0006	Mean: 0.0159 +/- 0.0013	Mean: 0.0004 +/- 0.0004
Std Dev: 0.0232 +/- 0.0004	Std Dev: 0.0337 +/- 0.0009	Std Dev: 0.0230 +/- 0.0003

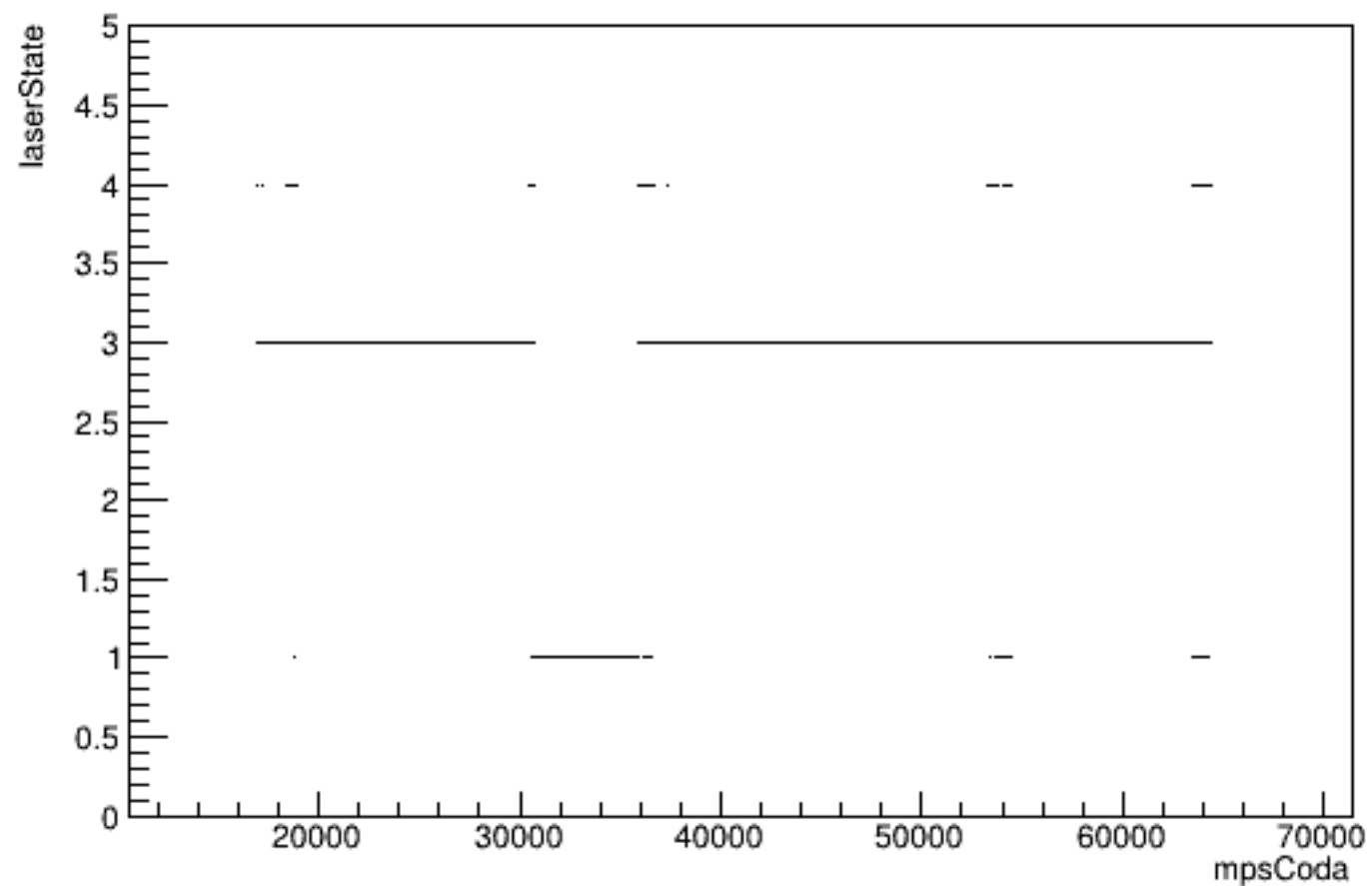
Run 4600 quartetwise, Asyms



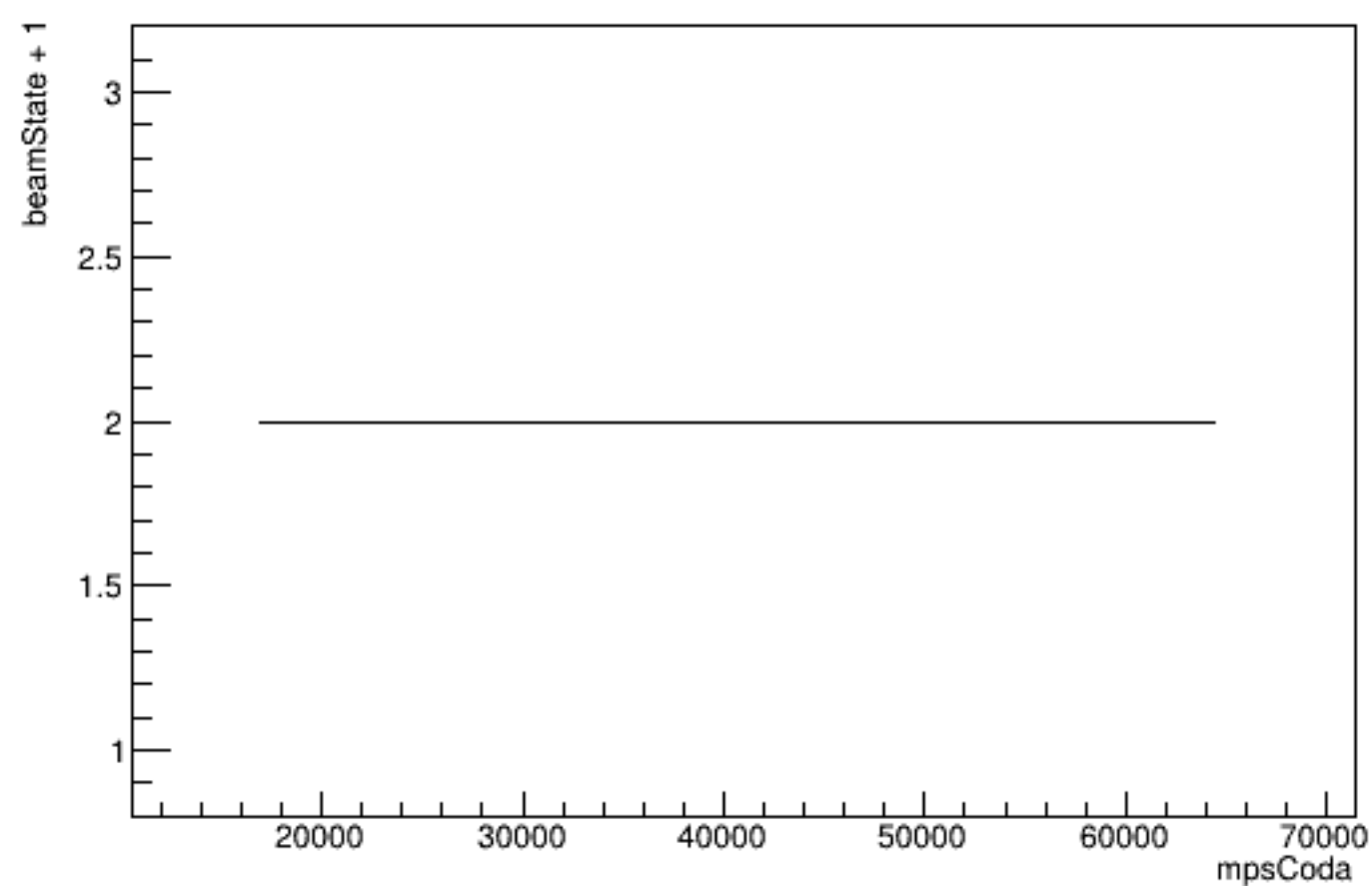
Acc0/NAcc0:mpsCoda {mpsCoda>=16942 && mpsCoda<=64397 && beamState==1}



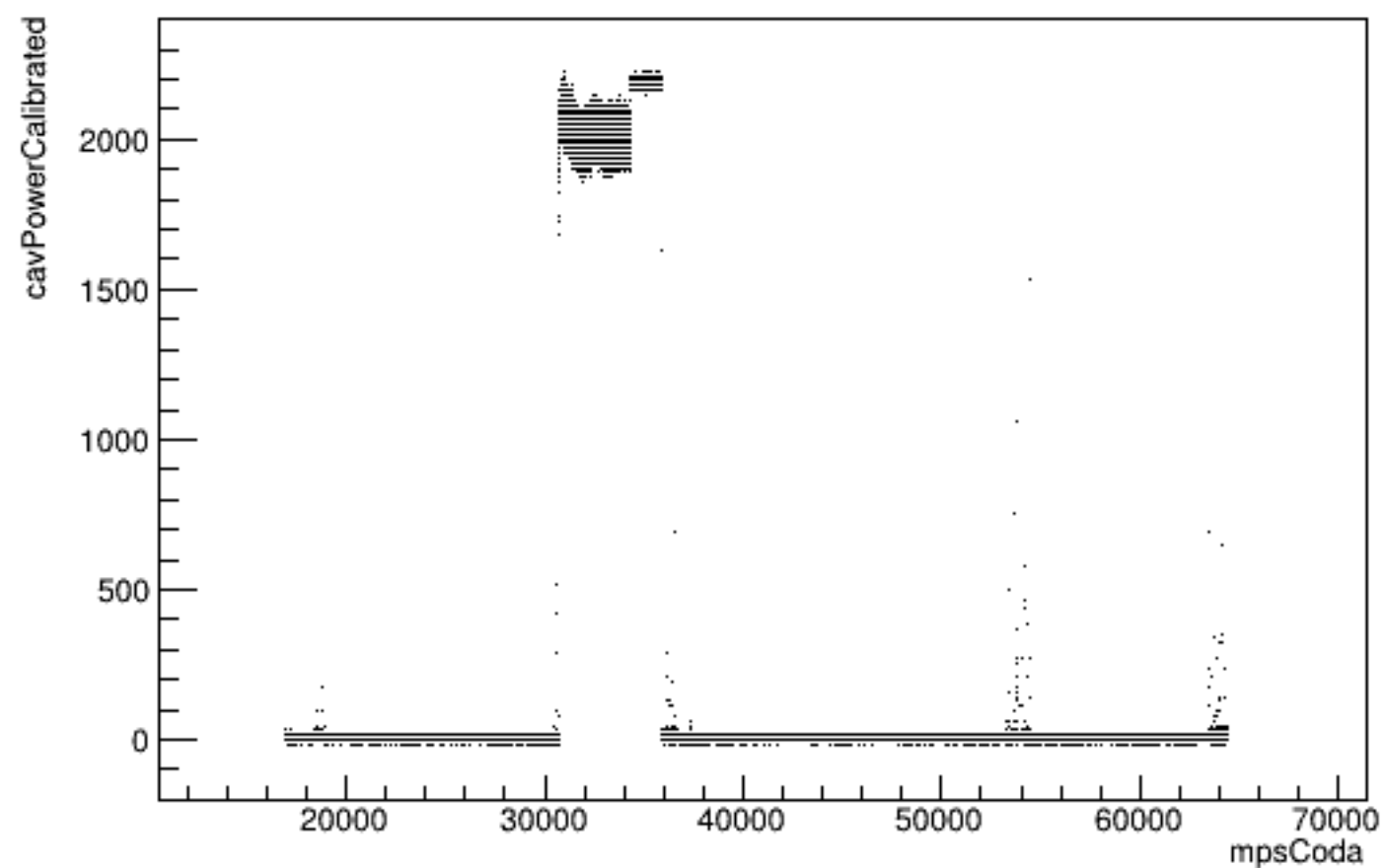
laserState:mpsCoda {mpsCoda>=16942 && mpsCoda<=64397}



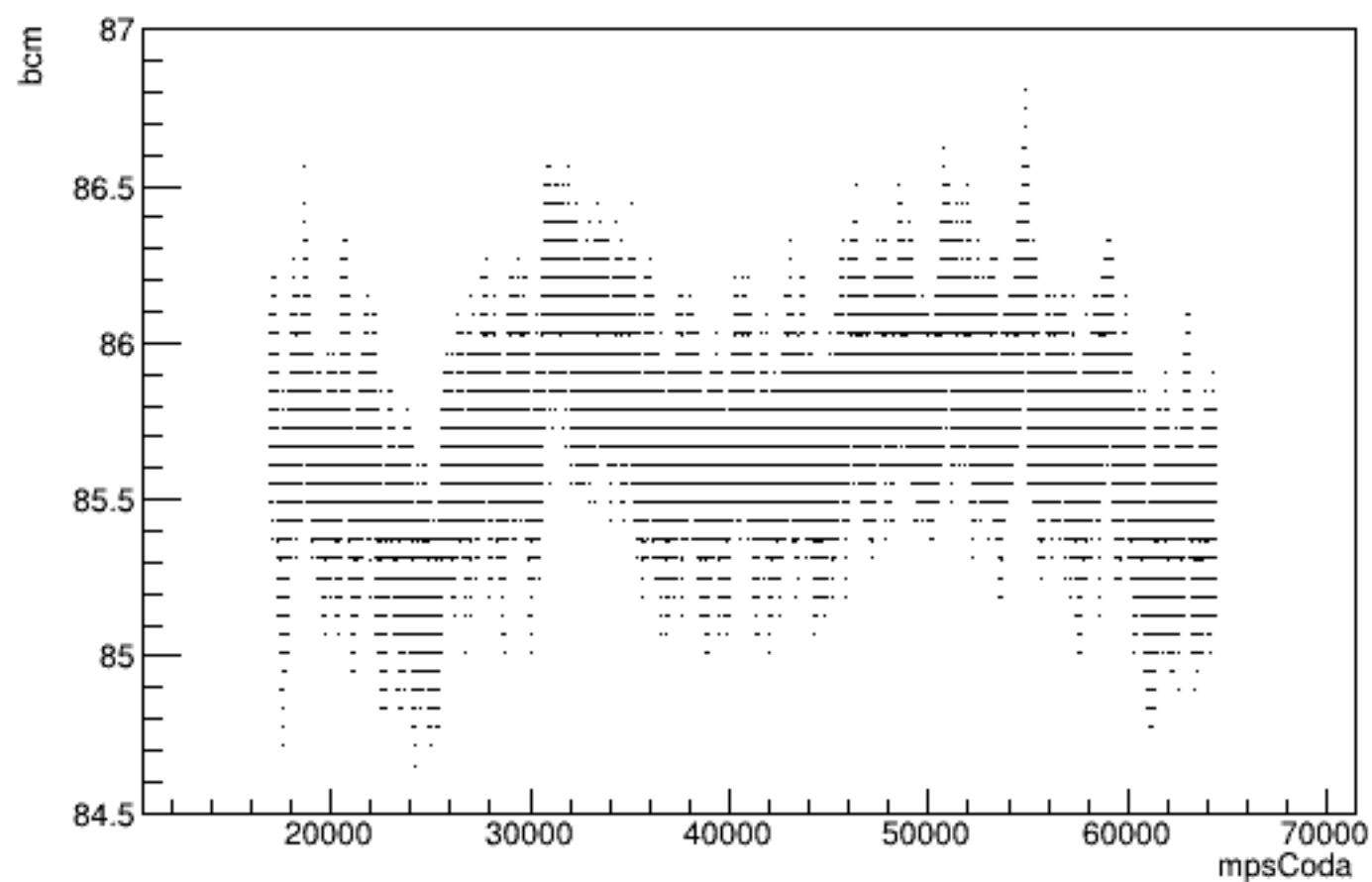
beamState + 1:mpsCoda {mpsCoda>=16942 && mpsCoda<=64397}



cavPowerCalibrated:mpsCoda {mpsCoda>=16942 && mpsCoda<=64397}



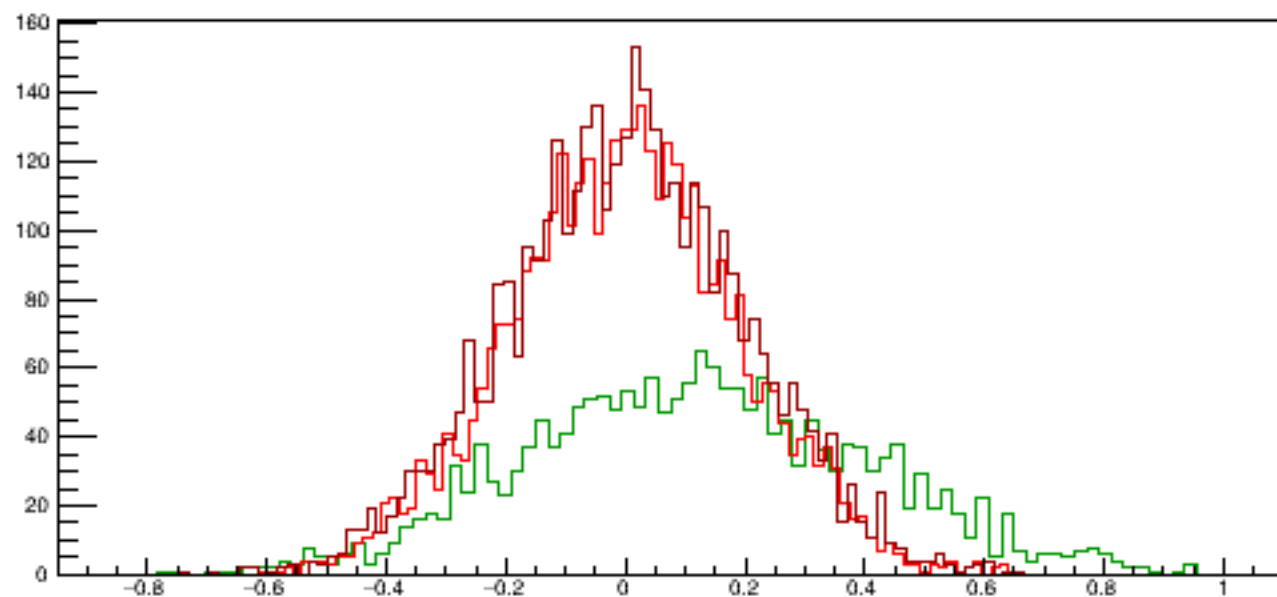
bcm:mpsCoda {mpsCoda>=16942 && mpsCoda<=64397}



Cycle 2, Diffs

Entries: 3985	Entries: 1950	Entries: 3884
Mean: 0.0002 +/- 0.0030	Mean: 0.1177 +/- 0.0065	Mean: 0.0015 +/- 0.0032
Std Dev: 0.1916 +/- 0.0021	Std Dev: 0.2862 +/- 0.0046	Std Dev: 0.1996 +/- 0.0023

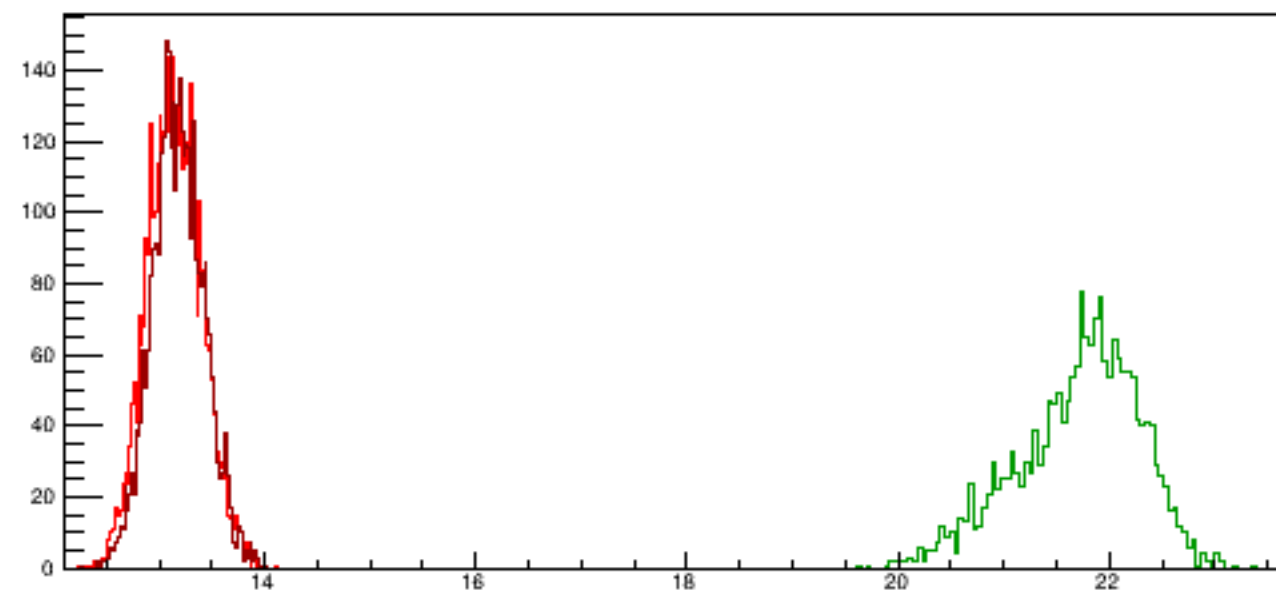
Run 4600 quartetwise, Diffs



Cycle 2, Sums

Entries: 3985	Entries: 1950	Entries: 3884
Mean: 13.1466 +/- 0.0041	Mean: 21.7060 +/- 0.0130	Mean: 13.1832 +/- 0.0039
Std Dev: 0.2569 +/- 0.0029	Std Dev: 0.5758 +/- 0.0092	Std Dev: 0.2459 +/- 0.0028

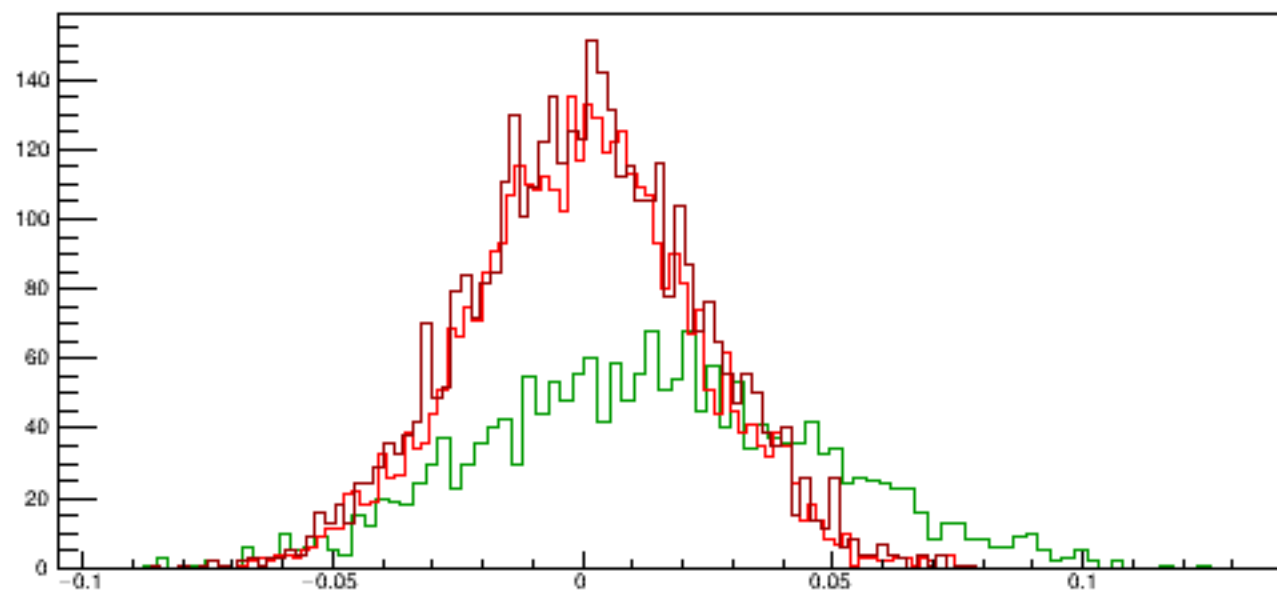
Run 4600 quartetwise, Sums



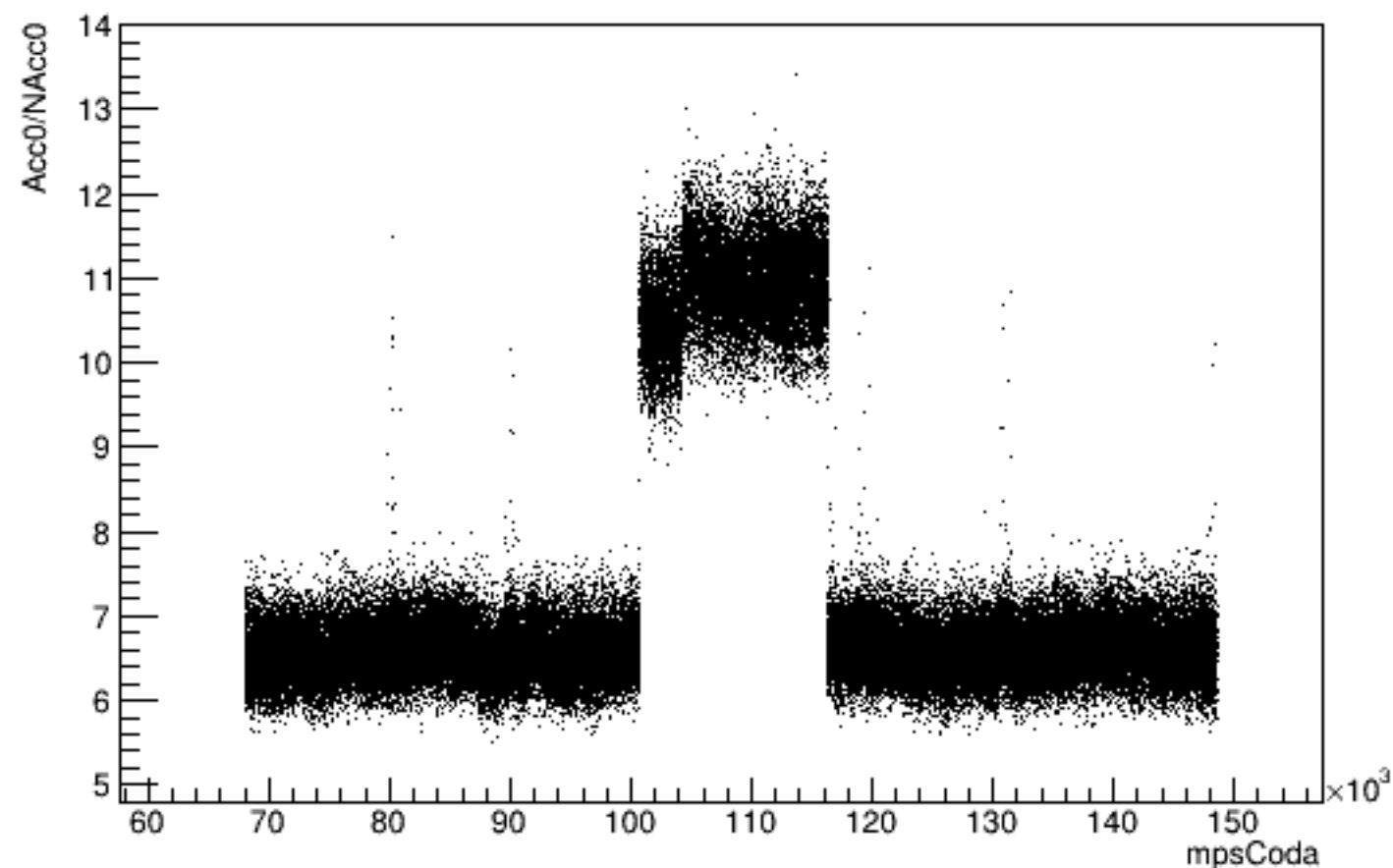
Cycle 2, Asyms

Entries: 3985	Entries: 1950	Entries: 3884
Mean: 0.0000 +/- 0.0004	Mean: 0.0138 +/- 0.0008	Mean: 0.0002 +/- 0.0004
Std Dev: 0.0224 +/- 0.0003	Std Dev: 0.0337 +/- 0.0005	Std Dev: 0.0234 +/- 0.0003

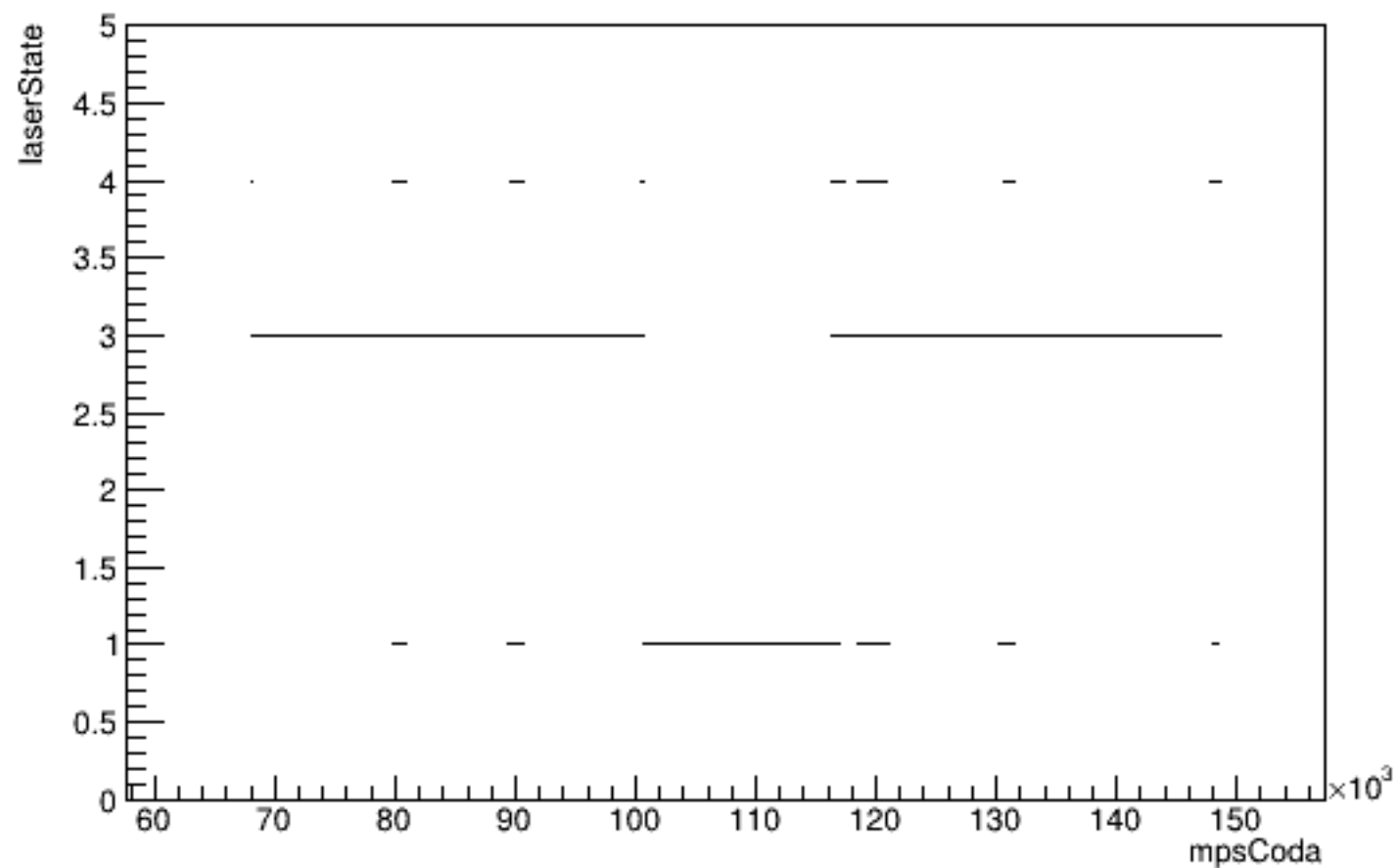
Run 4600 quartetwise, Asyms



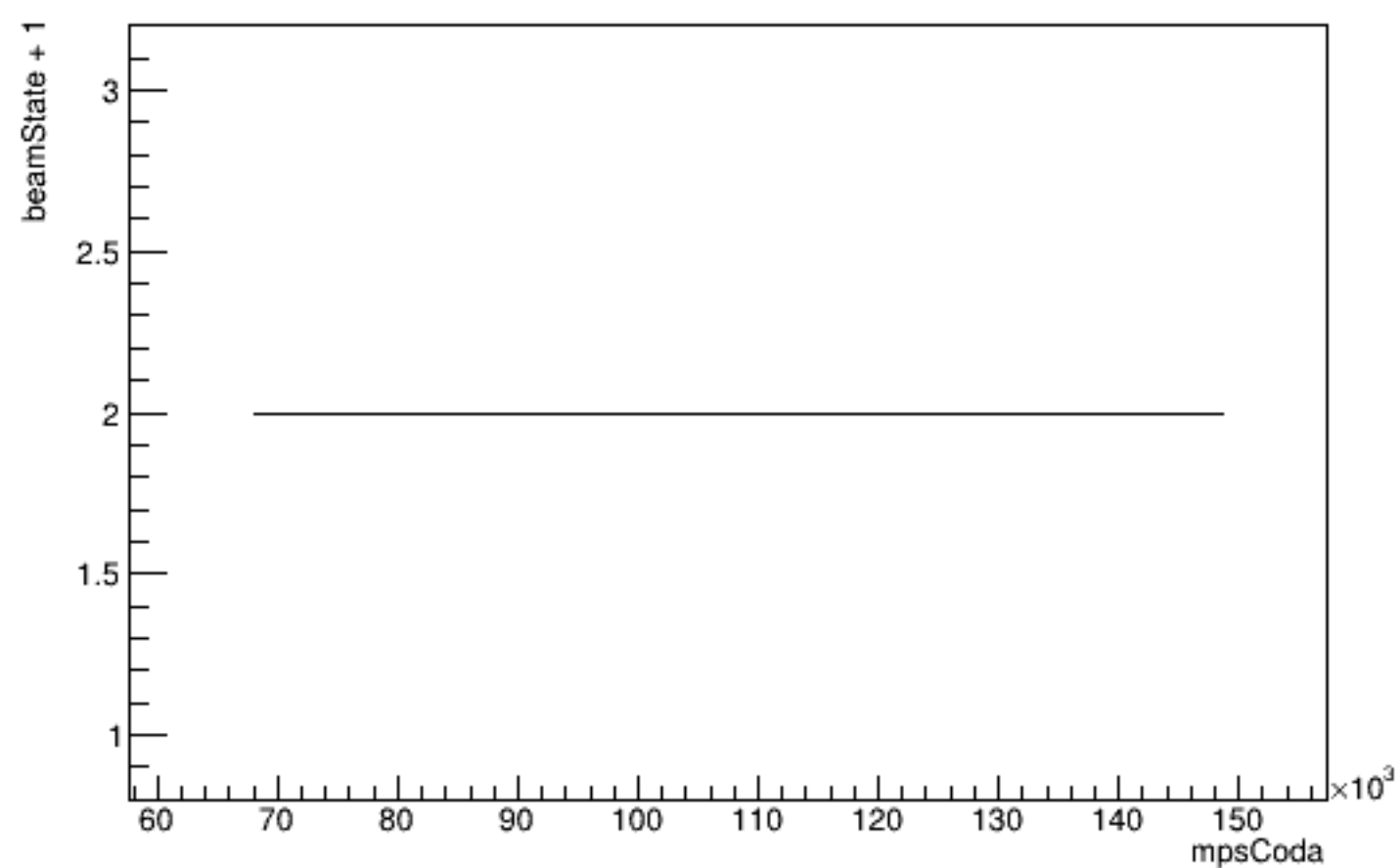
Acc0/NAcc0:mpsCoda {mpsCoda>=67982 && mpsCoda<=148573 && beamState==1}



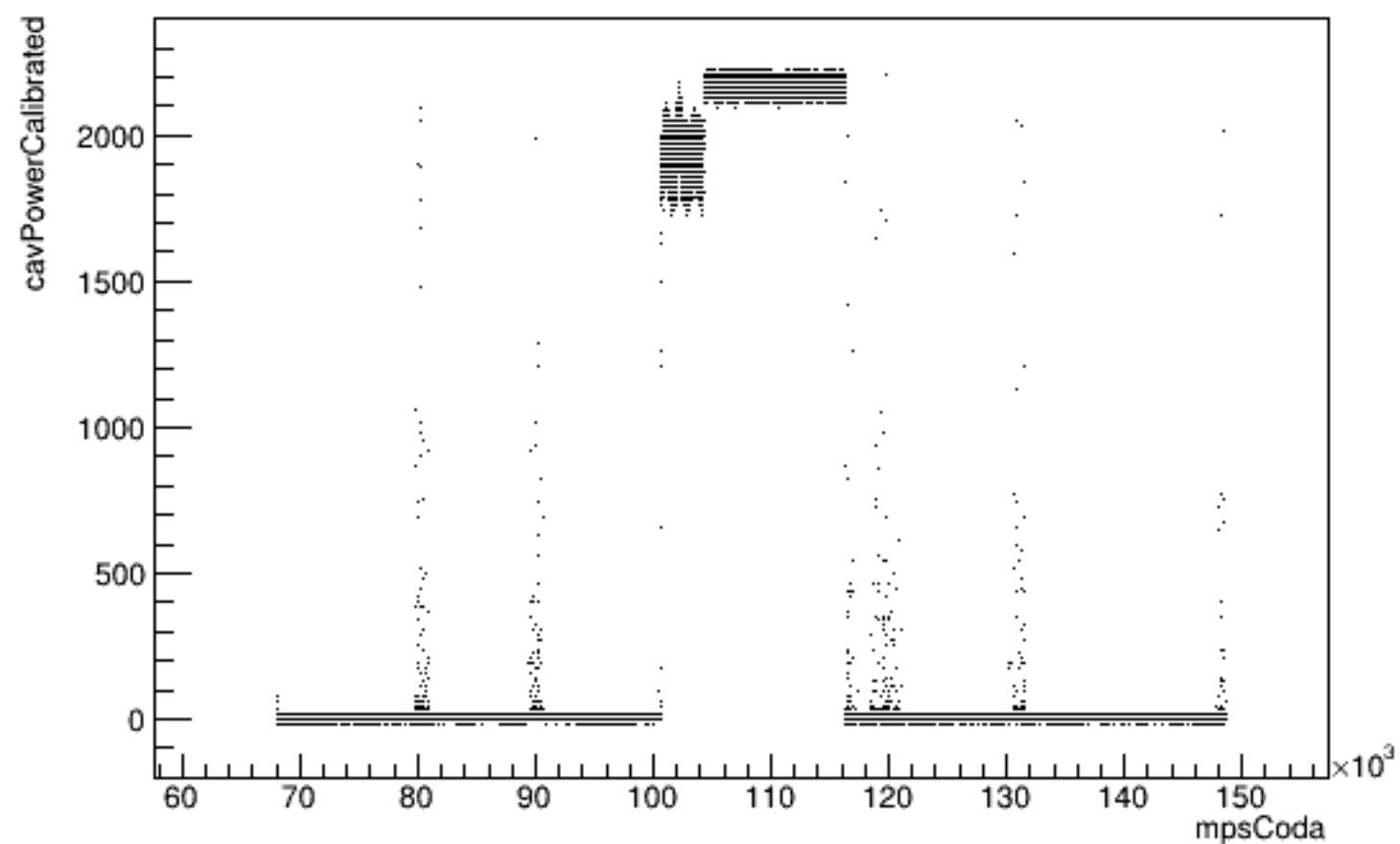
laserState:mpsCoda {mpsCoda>=67982 && mpsCoda<=148573}



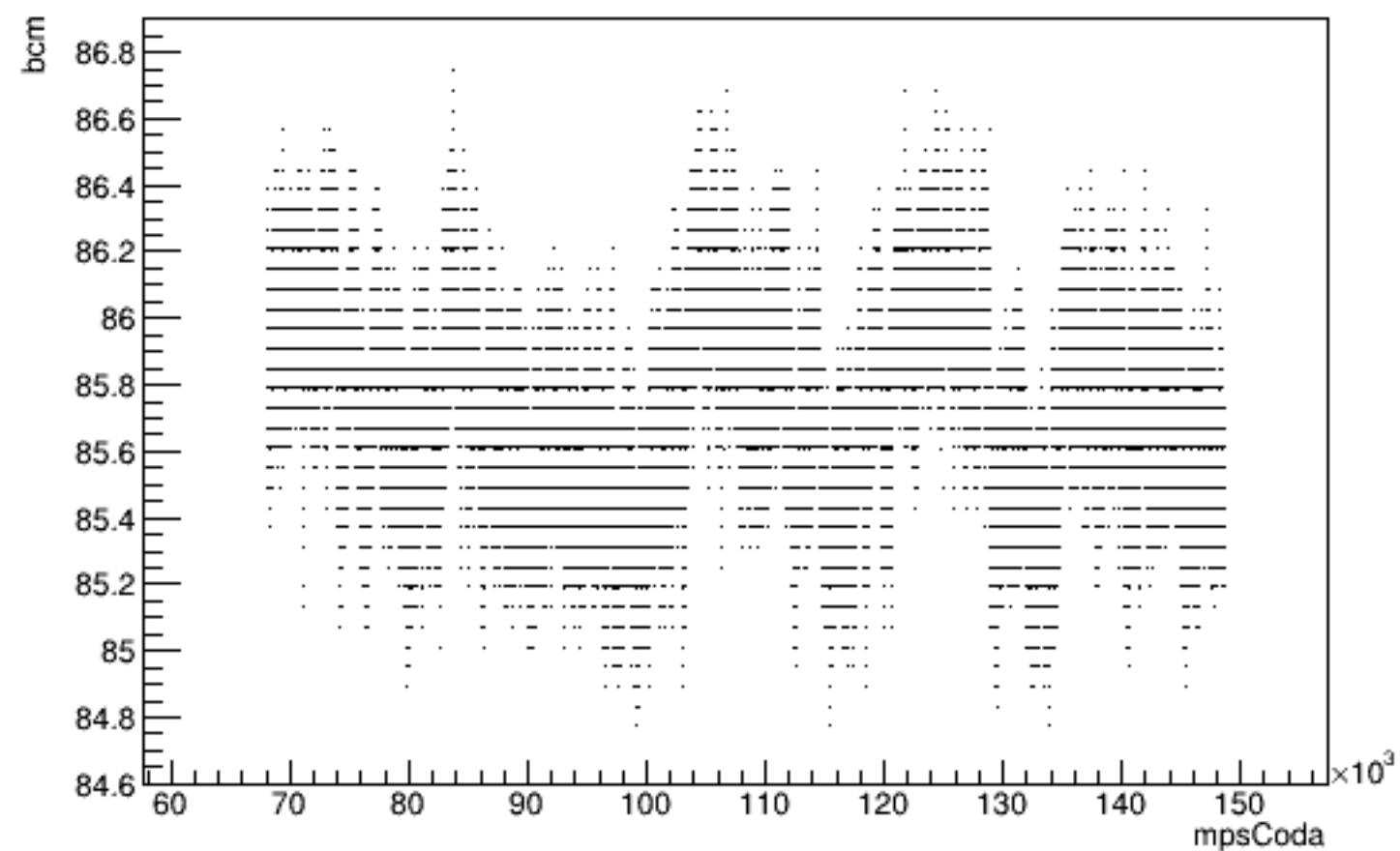
beamState + 1:mpsCoda {mpsCoda>=67982 && mpsCoda<=148573}



cavPowerCalibrated:mpsCoda {mpsCoda>=67982 && mpsCoda<=148573}



bcm:mpsCoda {mpsCoda>=67982 && mpsCoda<=148573}



Cycle 3, Diffs

Entries: 3884

Mean: 0.0015 +/- 0.0032

Std Dev: 0.1996 +/- 0.0023

Entries: 4669

Mean: 0.1203 +/- 0.0042

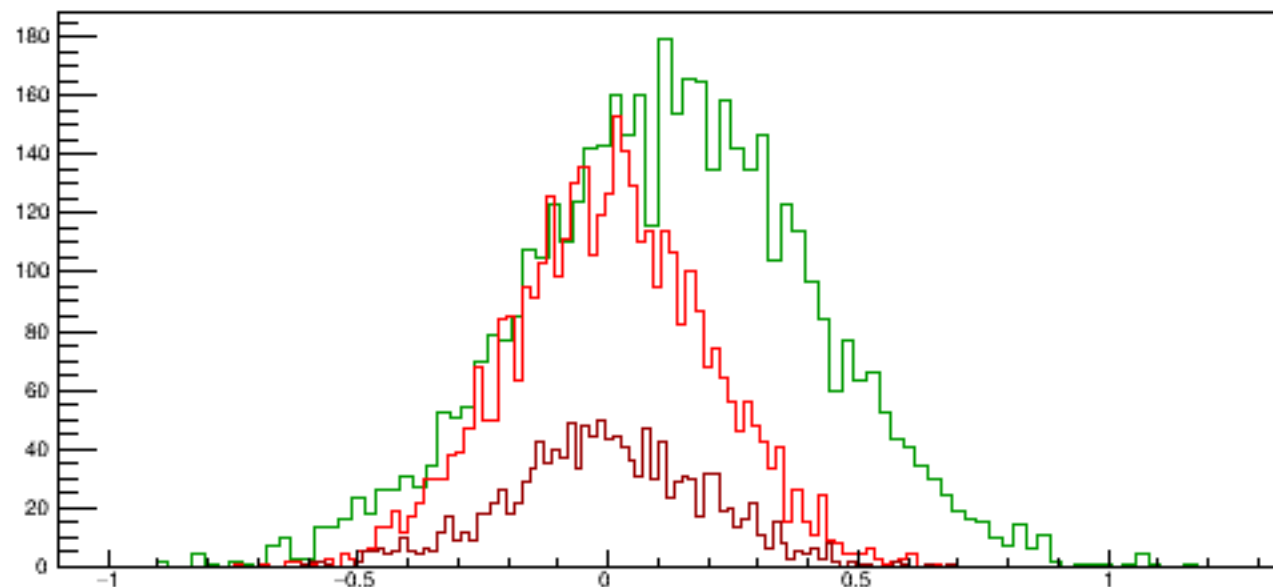
Std Dev: 0.2893 +/- 0.0030

Entries: 1364

Mean: -0.0032 +/- 0.0054

Std Dev: 0.1980 +/- 0.0038

Run 4600 quartetwise, Diffs



Cycle 3, Sums

Entries: 3884

Mean: 13.1832 +/- 0.0039

Std Dev: 0.2459 +/- 0.0028

Entries: 4669

Mean: 21.7791 +/- 0.0066

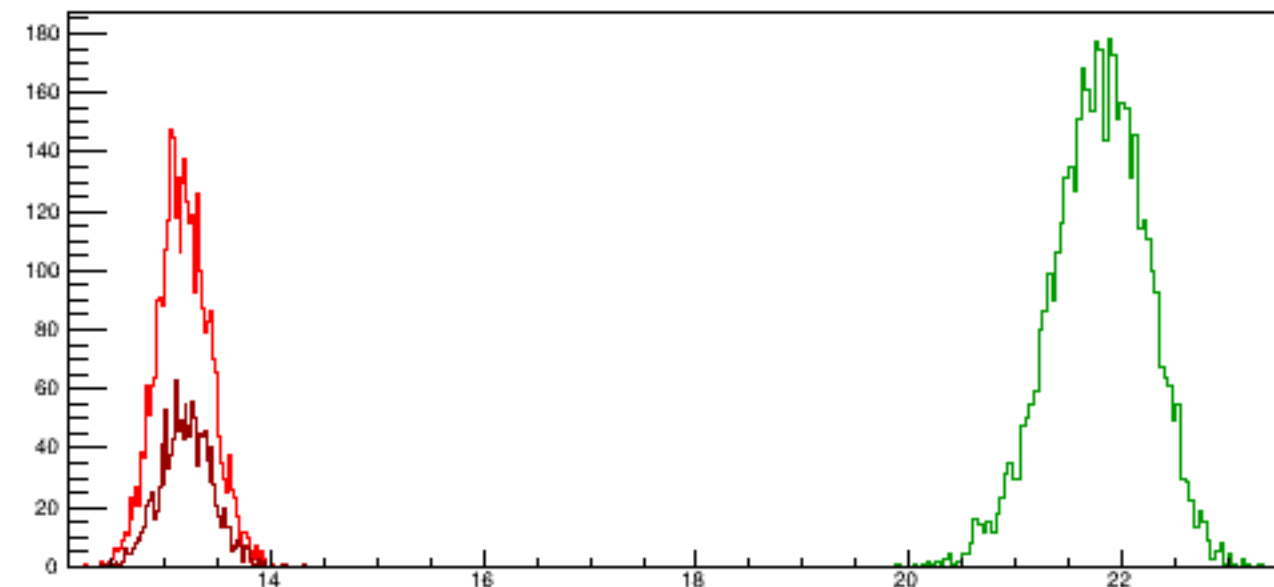
Std Dev: 0.4529 +/- 0.0047

Entries: 1364

Mean: 13.2120 +/- 0.0067

Std Dev: 0.2473 +/- 0.0047

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=116326 && mpsCoda<=196917 && beamState==1)

Cycle 3, Asyms

Entries: 3884

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0233 +/- 0.0003

Entries: 4669

Mean: 0.0141 +/- 0.0005

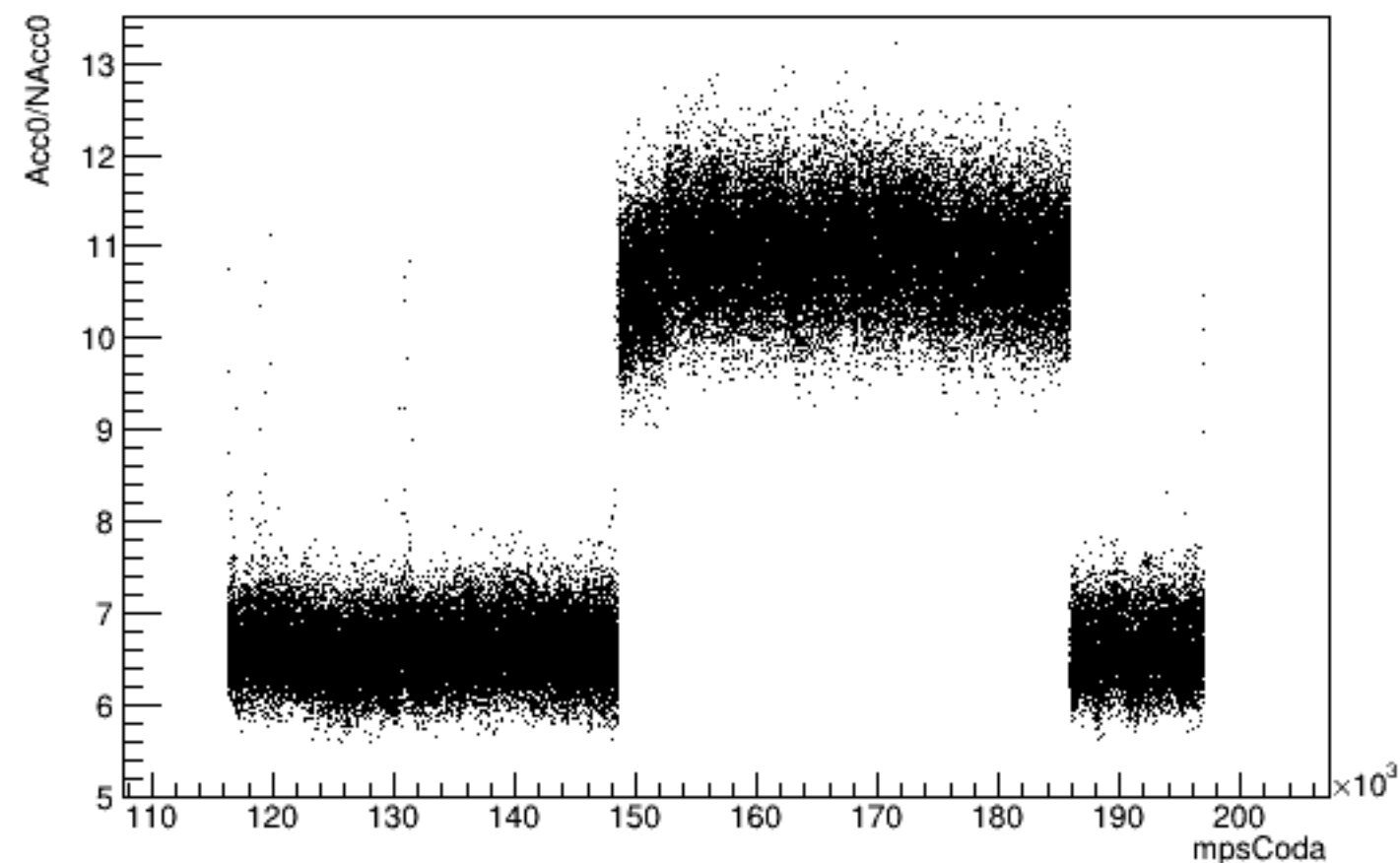
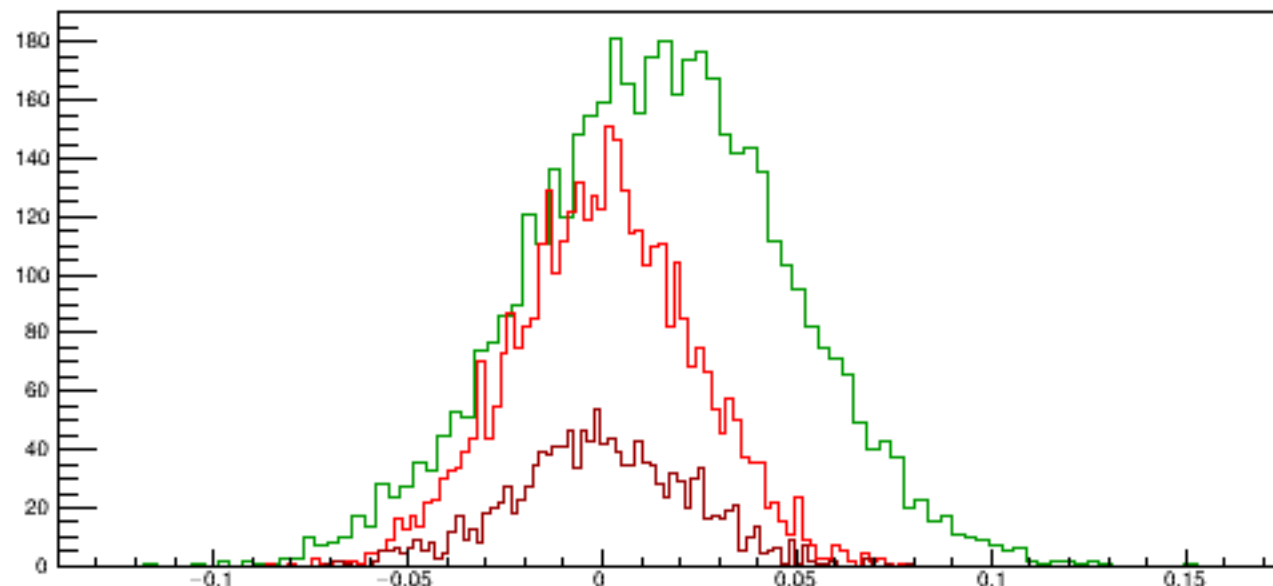
Std Dev: 0.0338 +/- 0.0004

Entries: 1364

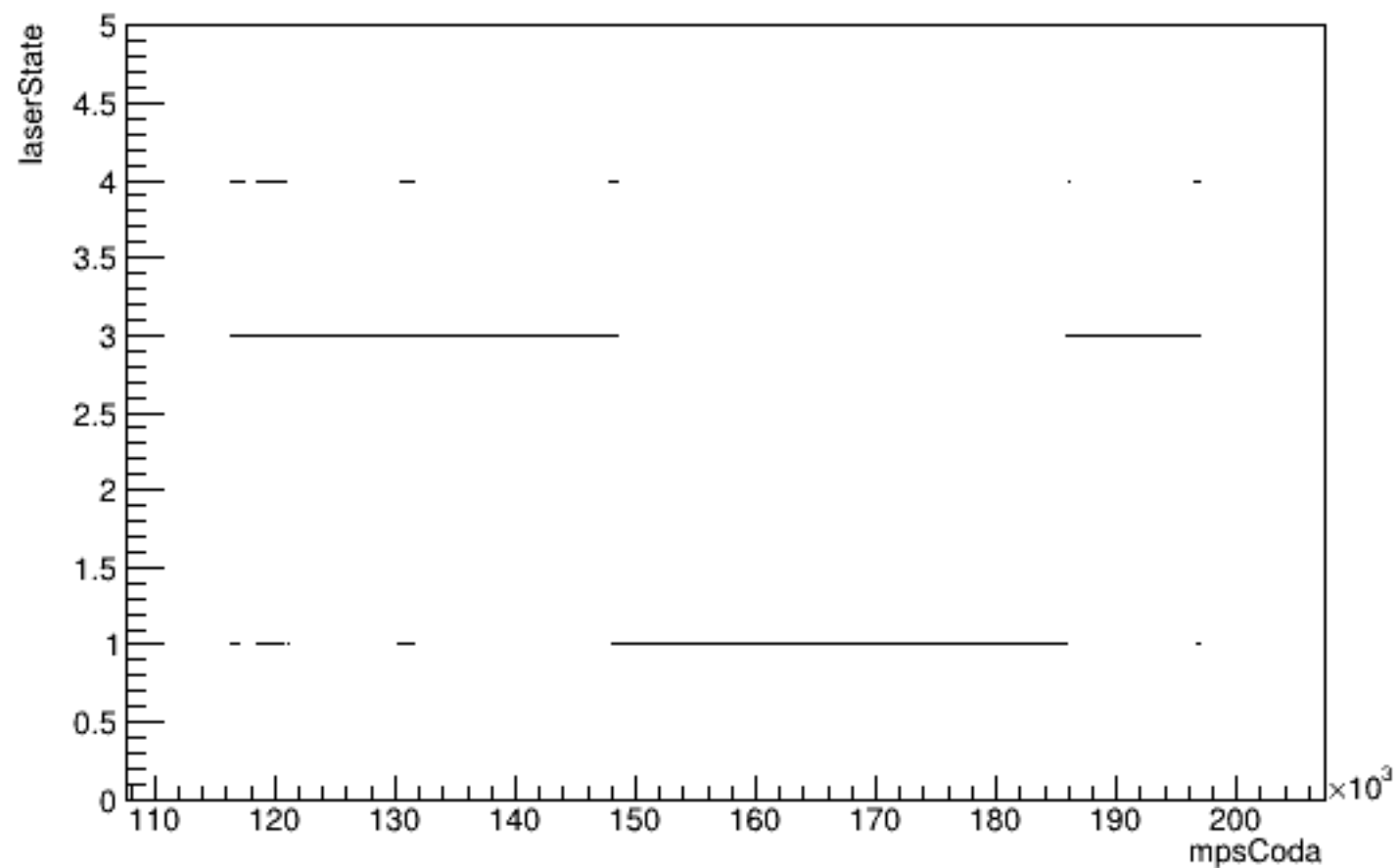
Mean: -0.0004 +/- 0.0006

Std Dev: 0.0231 +/- 0.0004

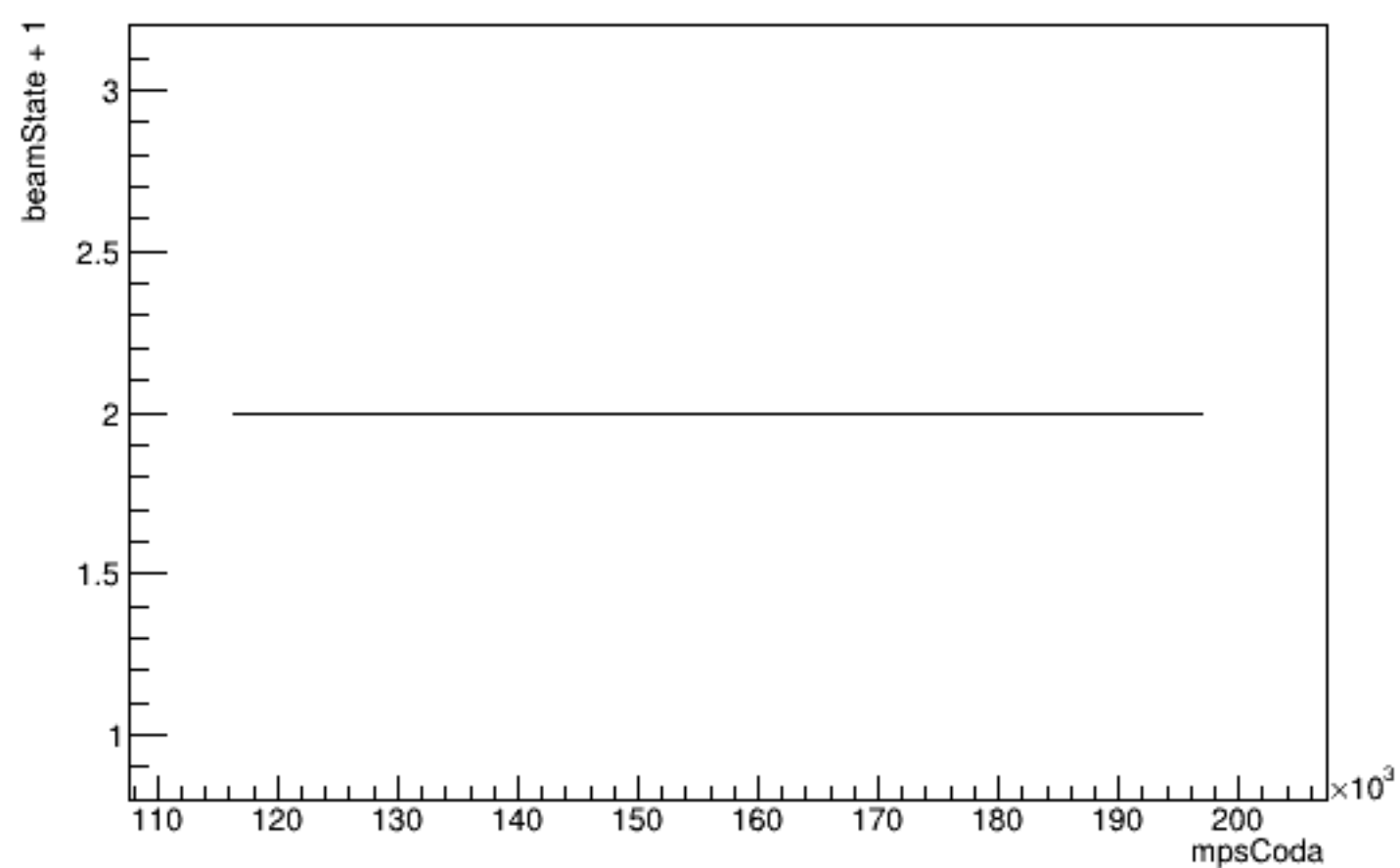
Run 4600 quartetwise, Asyms



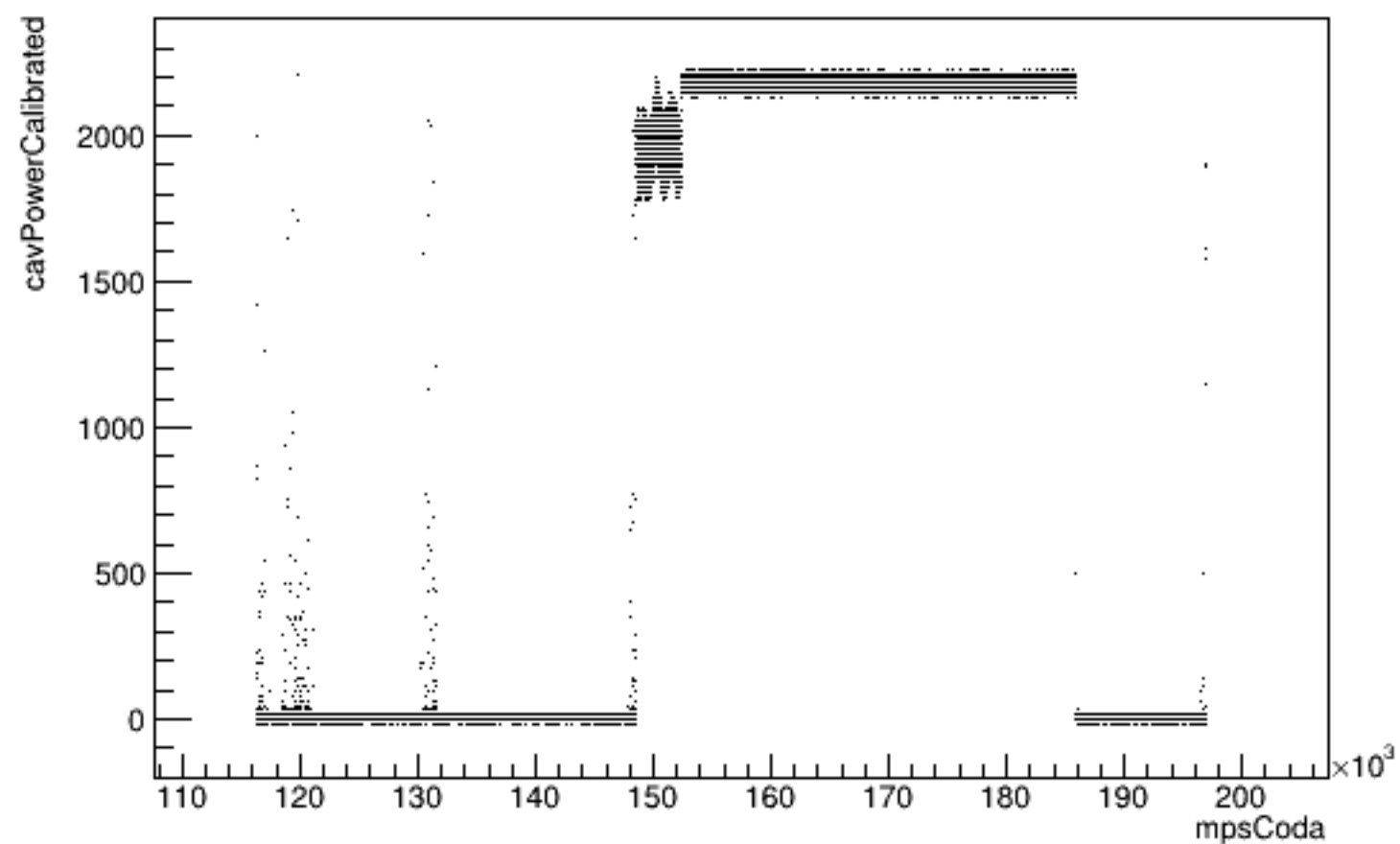
laserState:mpsCoda {mpsCoda>=116326 && mpsCoda<=196917}



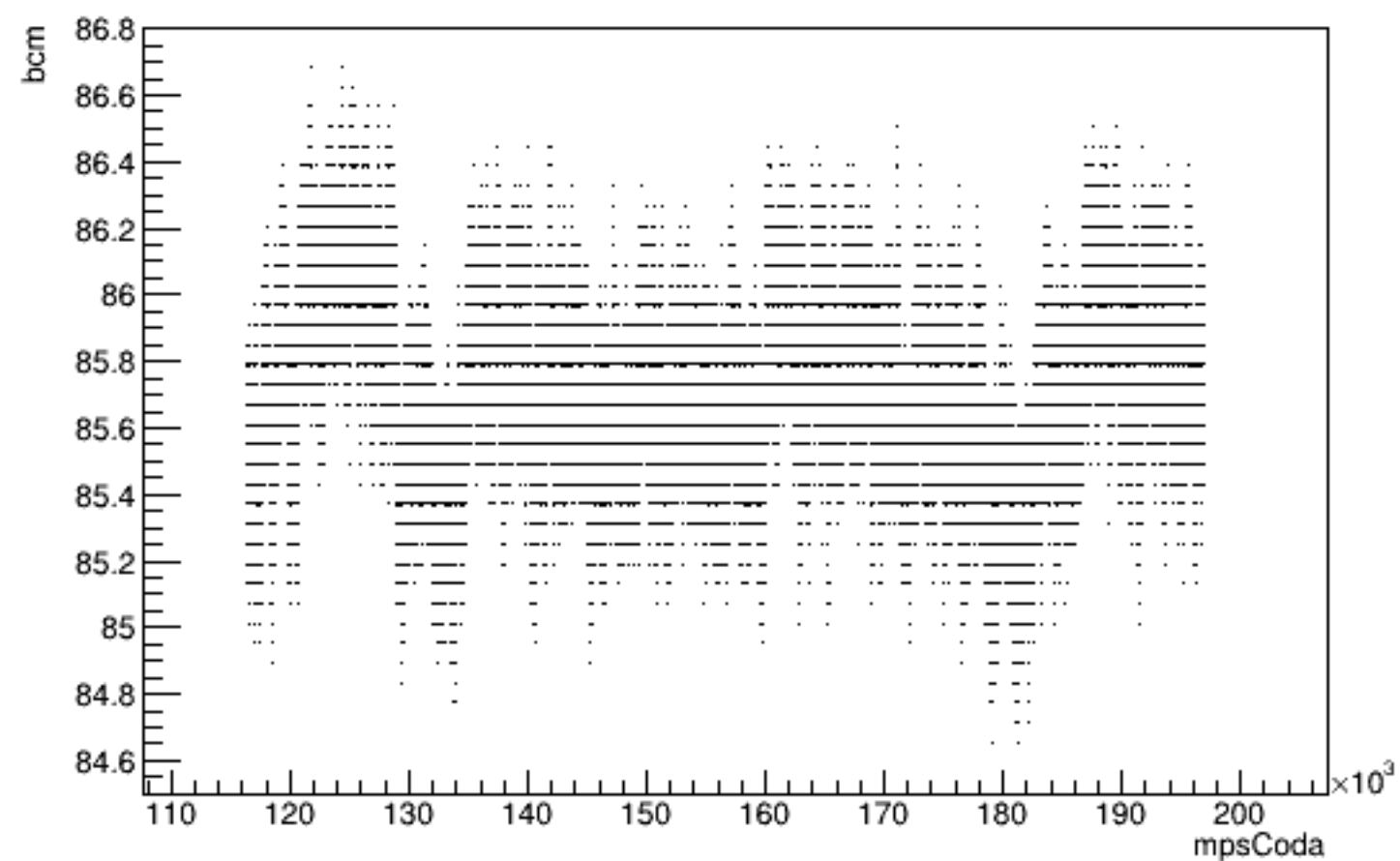
beamState + 1:mpsCoda {mpsCoda>=116326 && mpsCoda<=196917}



cavPowerCalibrated:mpsCoda {mpsCoda>=116326 && mpsCoda<=196917}



bcm:mpsCoda {mpsCoda>=116326 && mpsCoda<=196917}



Cycle 4, Diffs

Entries: 5023

Mean: 0.0368 +/- 0.0034

Std Dev: 0.2416 +/- 0.0024

Entries: 4539

Mean: 0.1577 +/- 0.0047

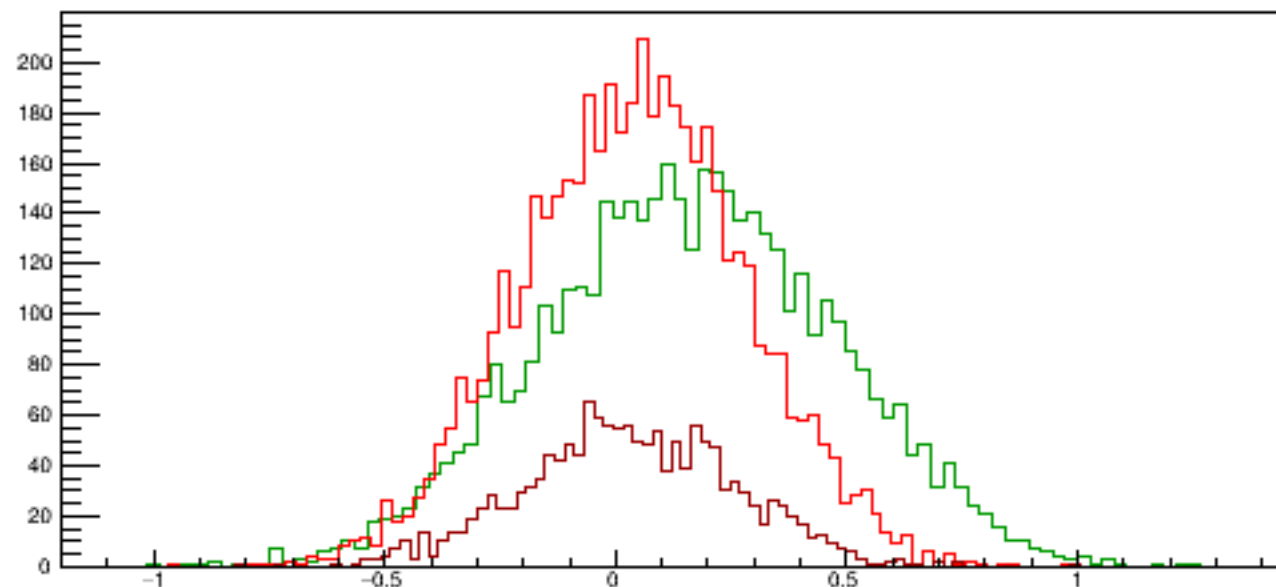
Std Dev: 0.3151 +/- 0.0033

Entries: 1488

Mean: 0.0312 +/- 0.0059

Std Dev: 0.2271 +/- 0.0042

Run 4600 quartetwise, Diffs



Cycle 4, Sums

Entries: 5023

Mean: 13.8740 +/- 0.0045

Std Dev: 0.3178 +/- 0.0032

Entries: 4539

Mean: 22.1529 +/- 0.0067

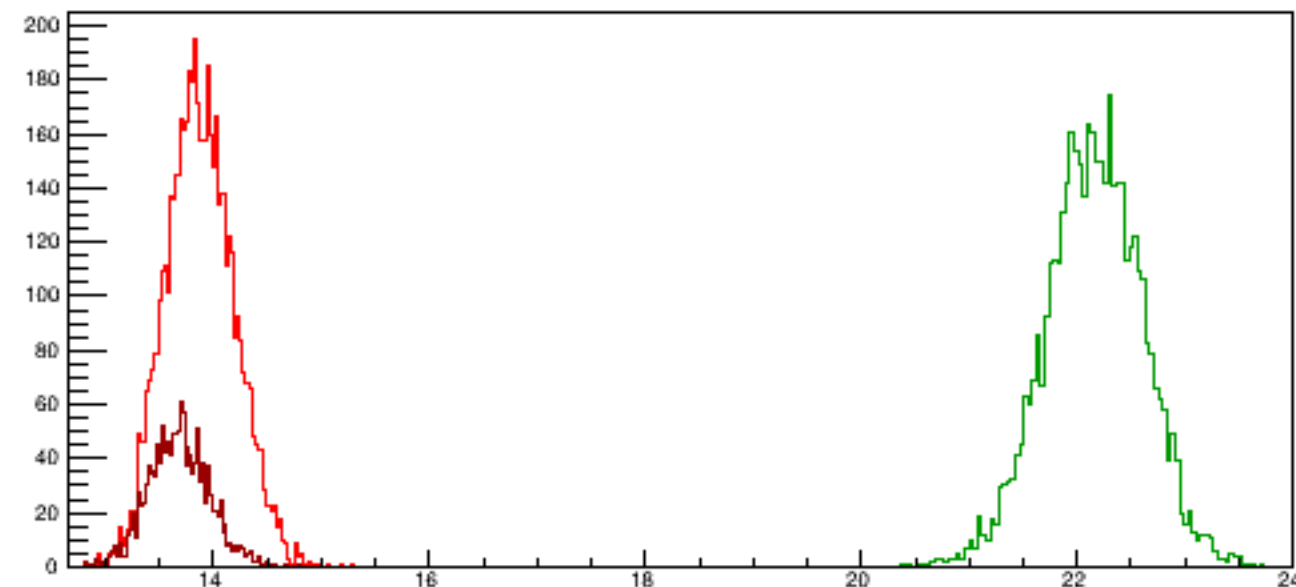
Std Dev: 0.4509 +/- 0.0047

Entries: 1488

Mean: 13.6763 +/- 0.0073

Std Dev: 0.2833 +/- 0.0052

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=264606 && mpsCoda<=354317 && beamState==1)

Cycle 4, Asyms

Entries: 5023

Mean: 0.0044 +/- 0.0004

Std Dev: 0.0288 +/- 0.0003

Entries: 4539

Mean: 0.0188 +/- 0.0006

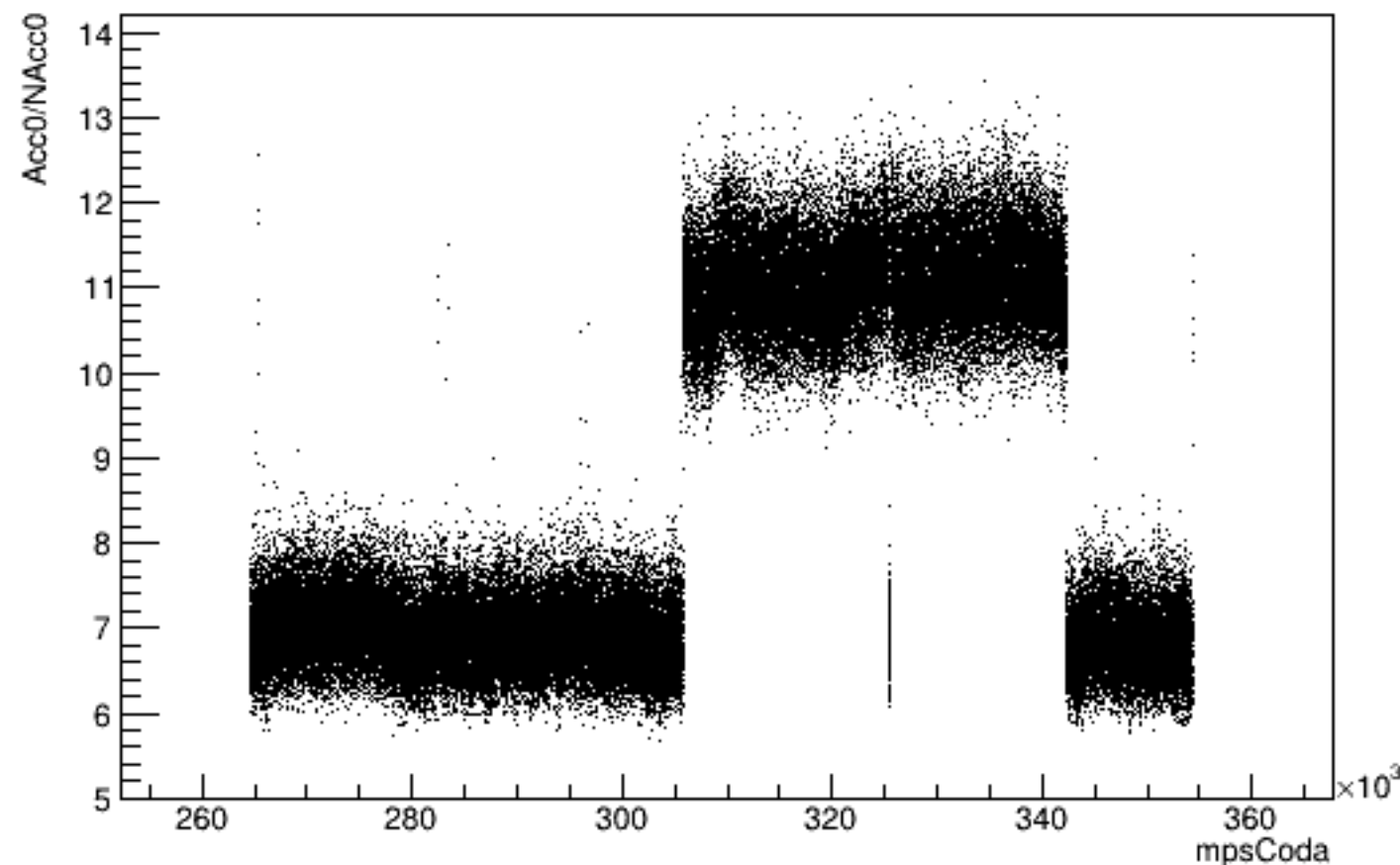
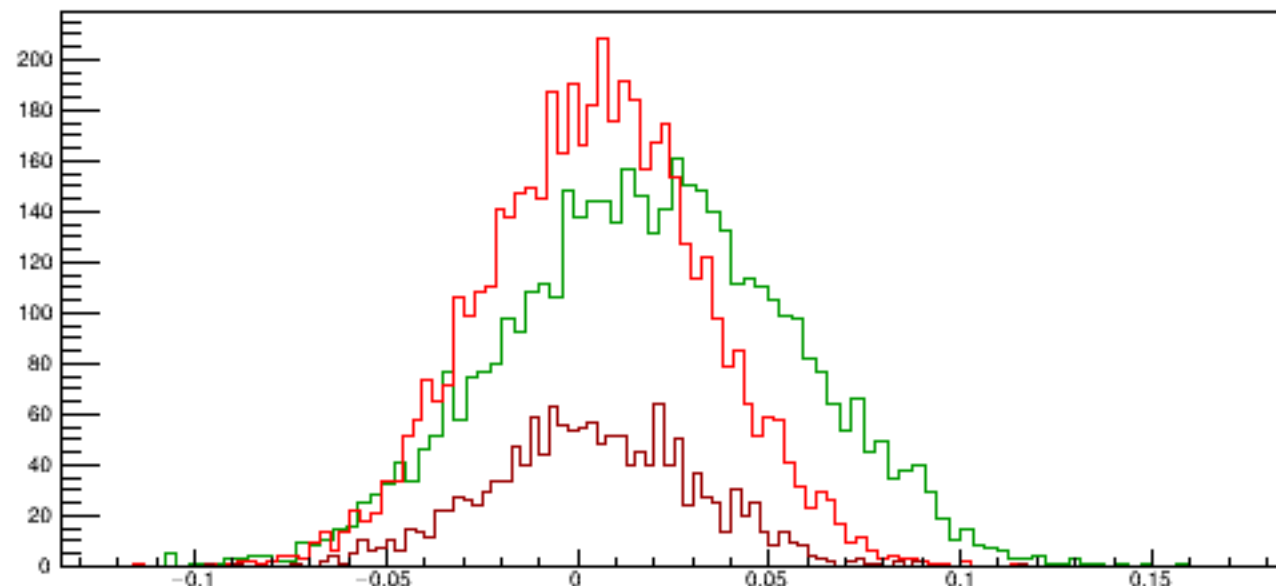
Std Dev: 0.0377 +/- 0.0004

Entries: 1488

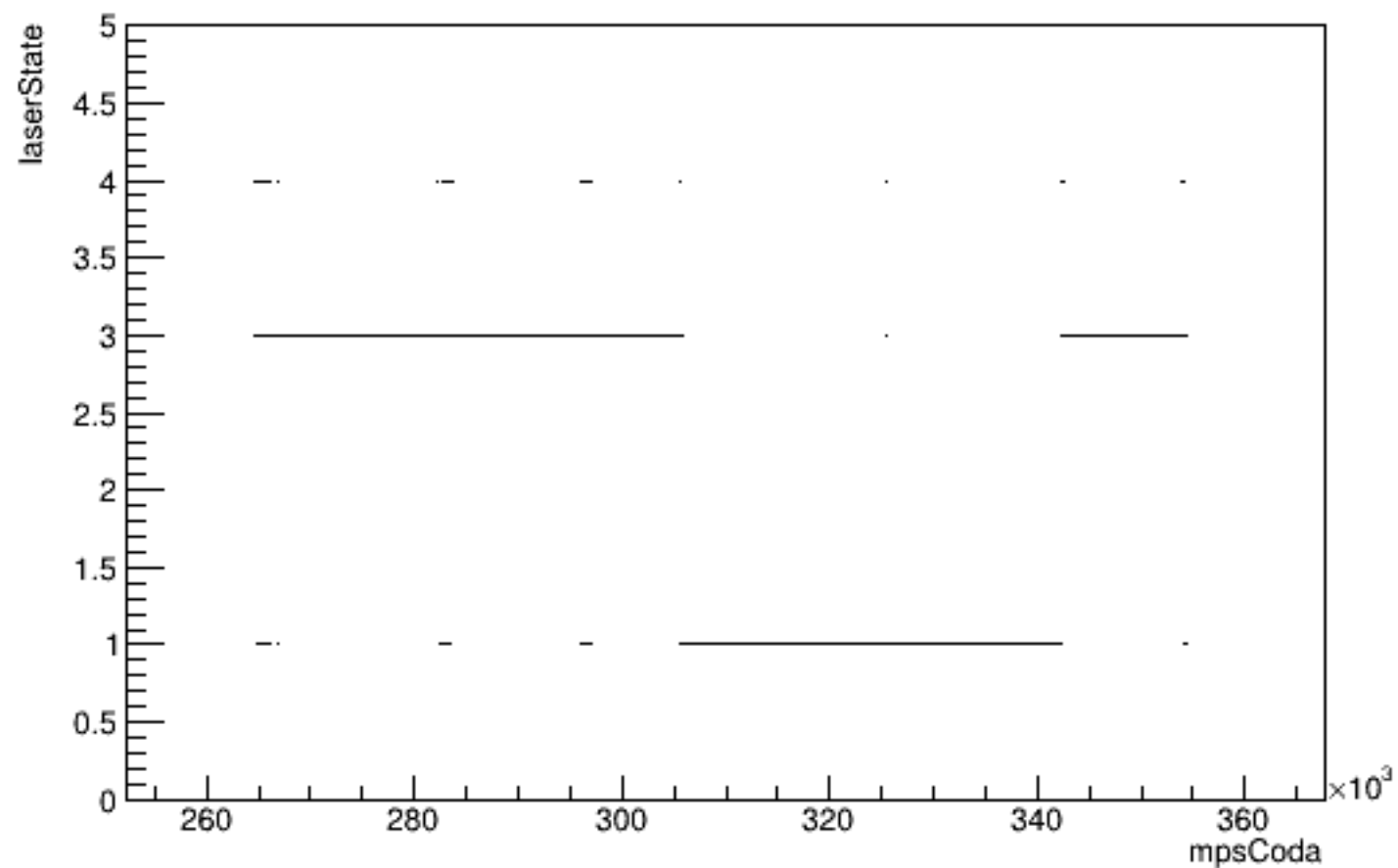
Mean: 0.0037 +/- 0.0007

Std Dev: 0.0271 +/- 0.0005

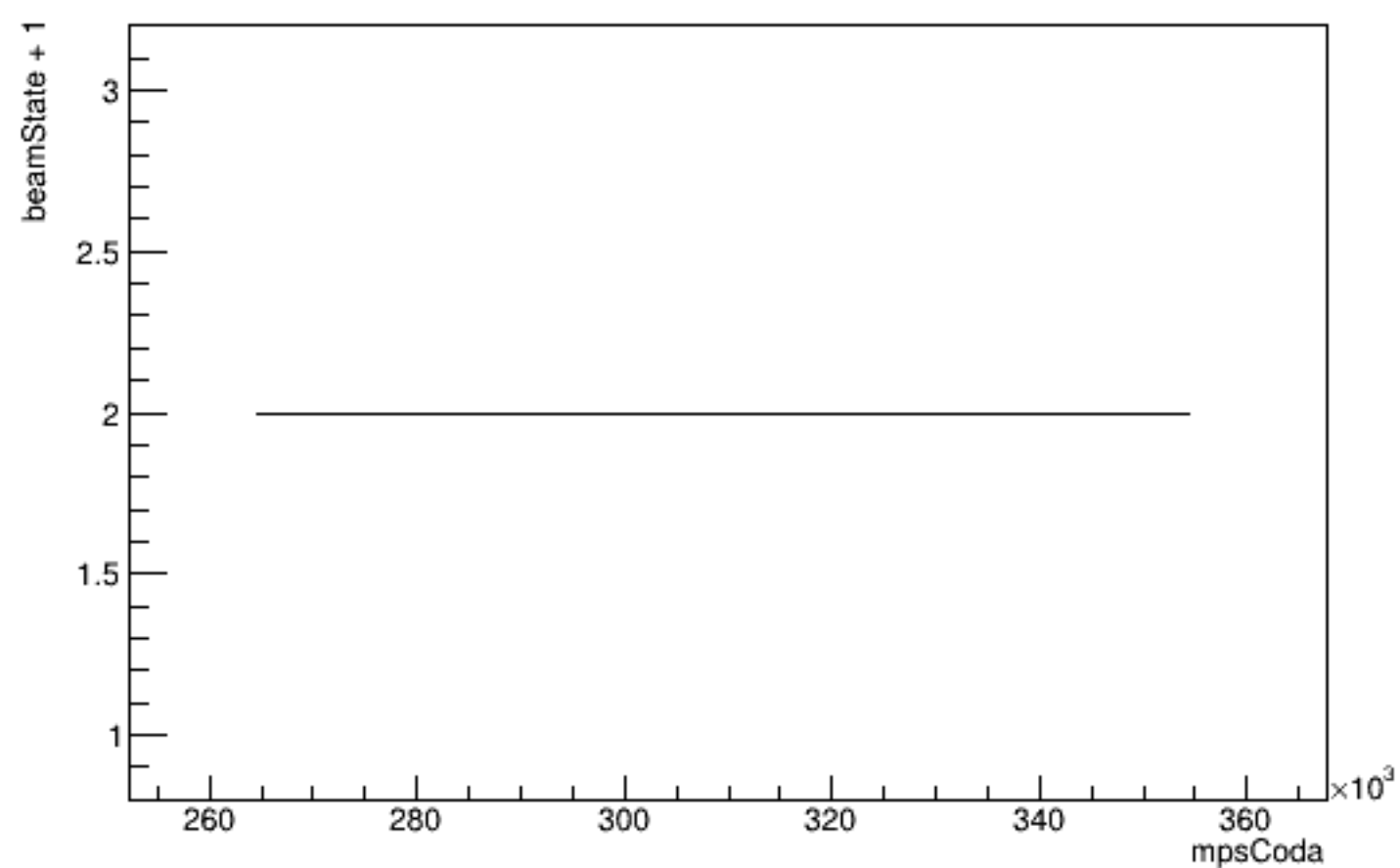
Run 4600 quartetwise, Asyms



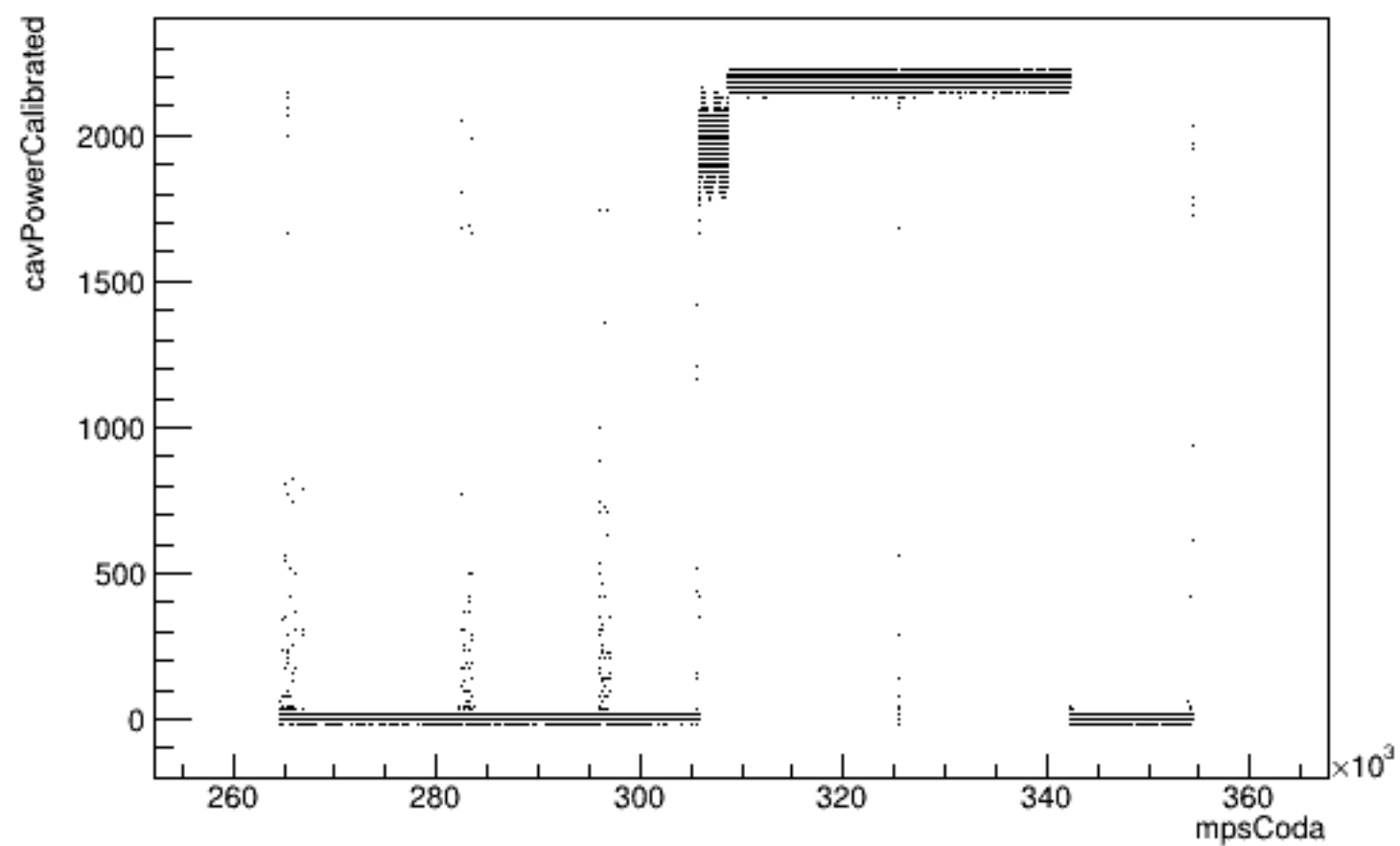
laserState:mpsCoda {mpsCoda>=264606 && mpsCoda<=354317}



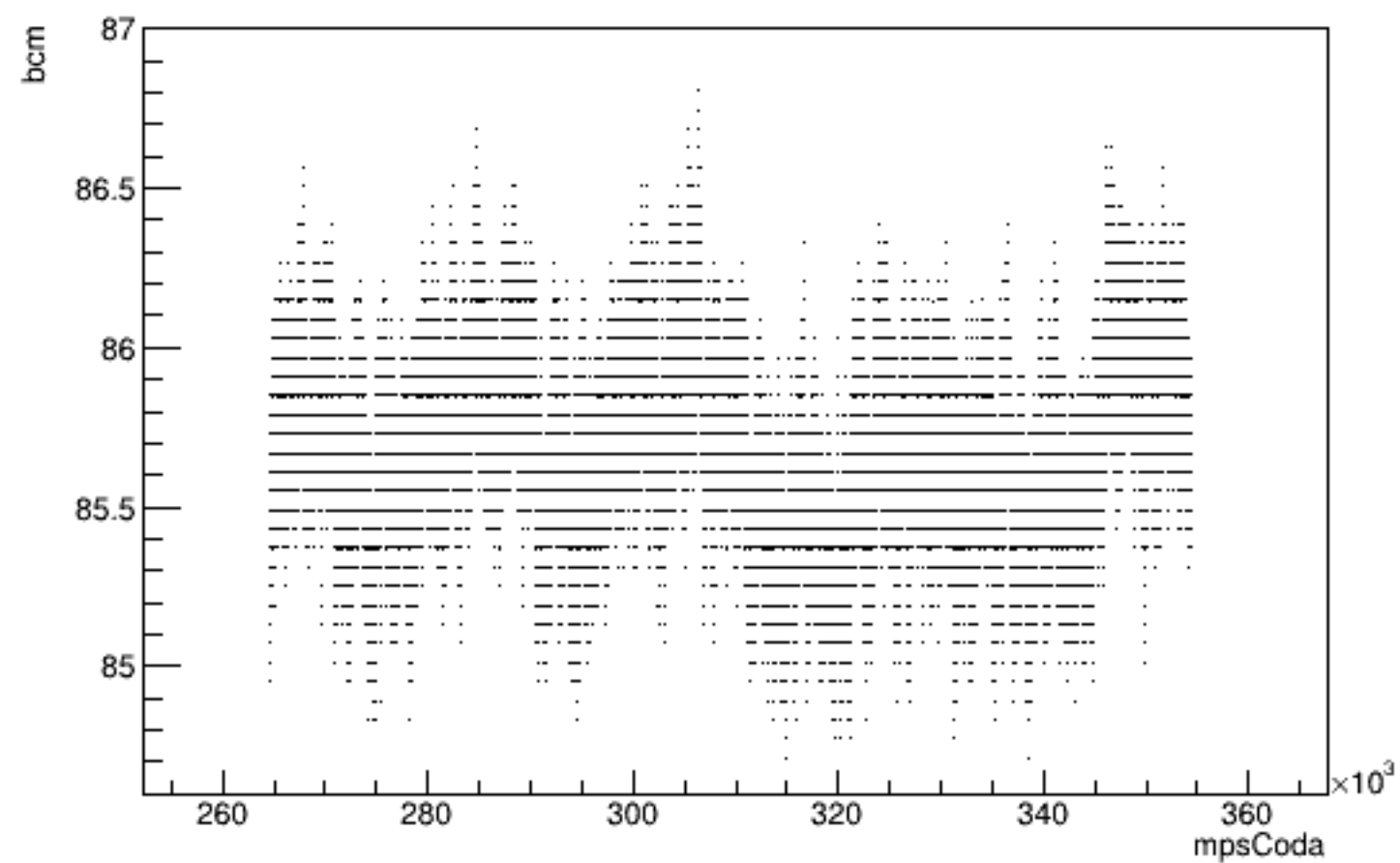
beamState + 1:mpsCoda {mpsCoda>=264606 && mpsCoda<=354317}



cavPowerCalibrated:mpsCoda {mpsCoda>=264606 && mpsCoda<=354317}



bcm:mpsCoda {mpsCoda>=264606 && mpsCoda<=354317}



Cycle 5, Diffs

Entries: 1488

Mean: 0.0312 +/- 0.0059

Std Dev: 0.2271 +/- 0.0042

Entries: 4627

Mean: 0.1544 +/- 0.0045

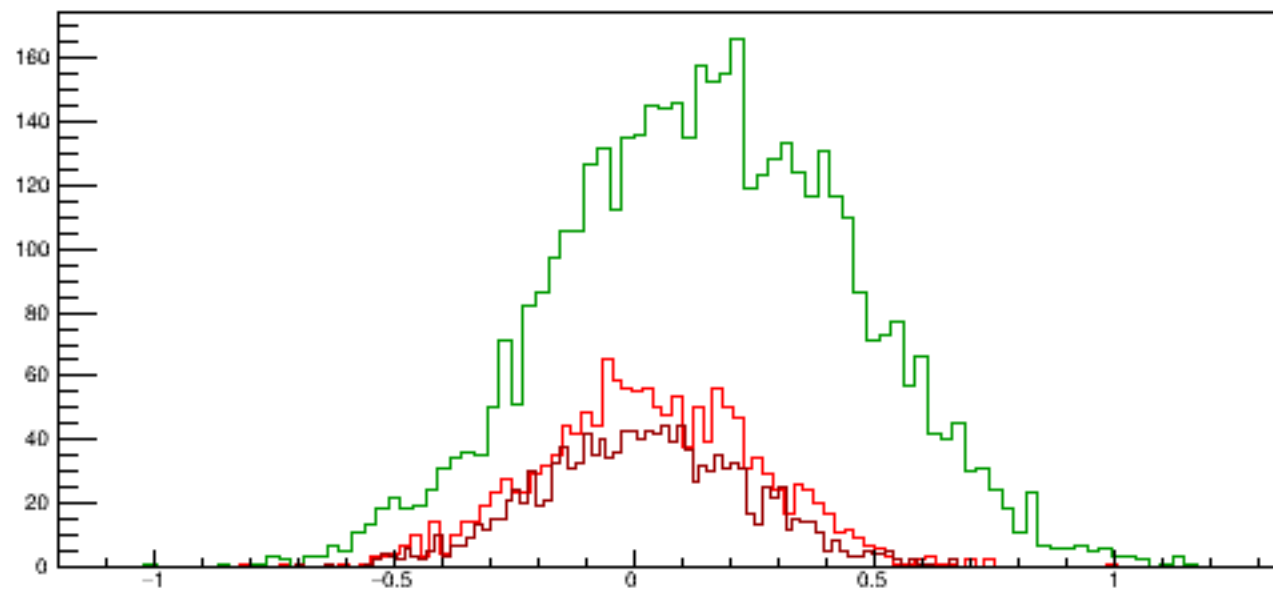
Std Dev: 0.3064 +/- 0.0032

Entries: 1390

Mean: 0.0185 +/- 0.0058

Std Dev: 0.2145 +/- 0.0041

Run 4600 quartetwise, Diffs



Cycle 5, Sums

Entries: 1488

Mean: 13.6763 +/- 0.0073

Std Dev: 0.2833 +/- 0.0052

Entries: 4627

Mean: 22.0758 +/- 0.0061

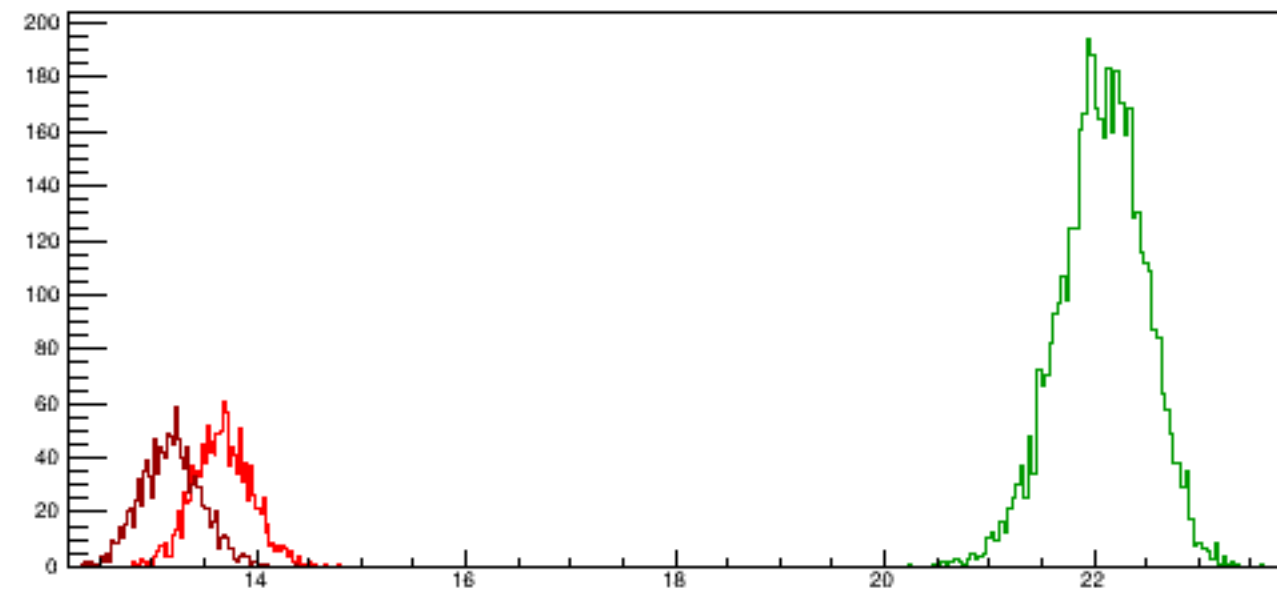
Std Dev: 0.4175 +/- 0.0043

Entries: 1390

Mean: 13.1907 +/- 0.0078

Std Dev: 0.2904 +/- 0.0055

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=342302 && mpsCoda<=403933 && beamState==1)

Cycle 5, Asyms

Entries: 1488

Mean: 0.0036 +/- 0.0007

Std Dev: 0.0263 +/- 0.0005

Entries: 4627

Mean: 0.0178 +/- 0.0005

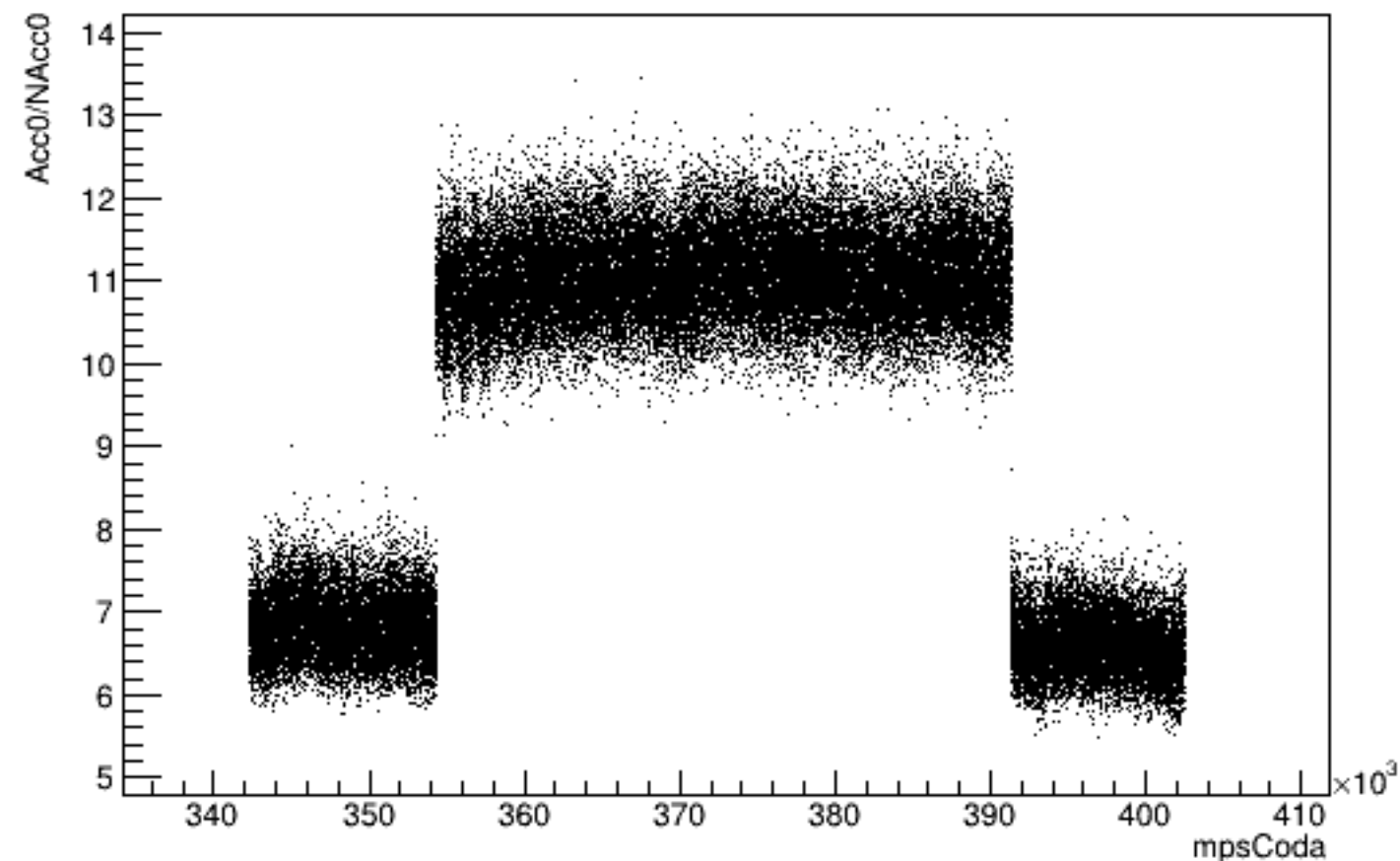
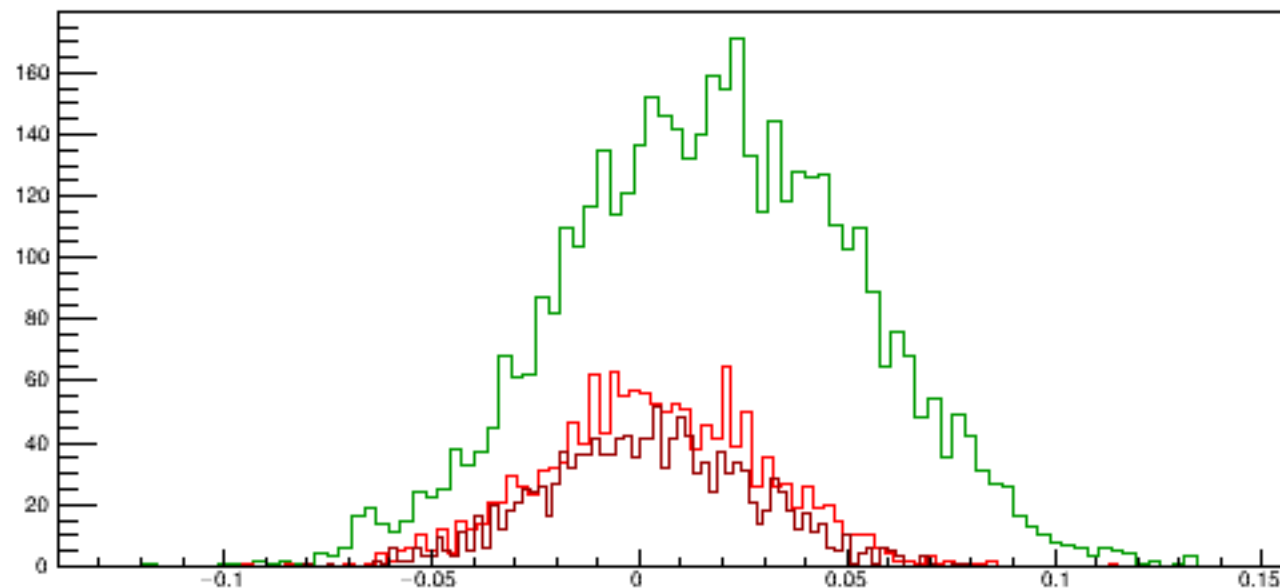
Std Dev: 0.0355 +/- 0.0004

Entries: 1390

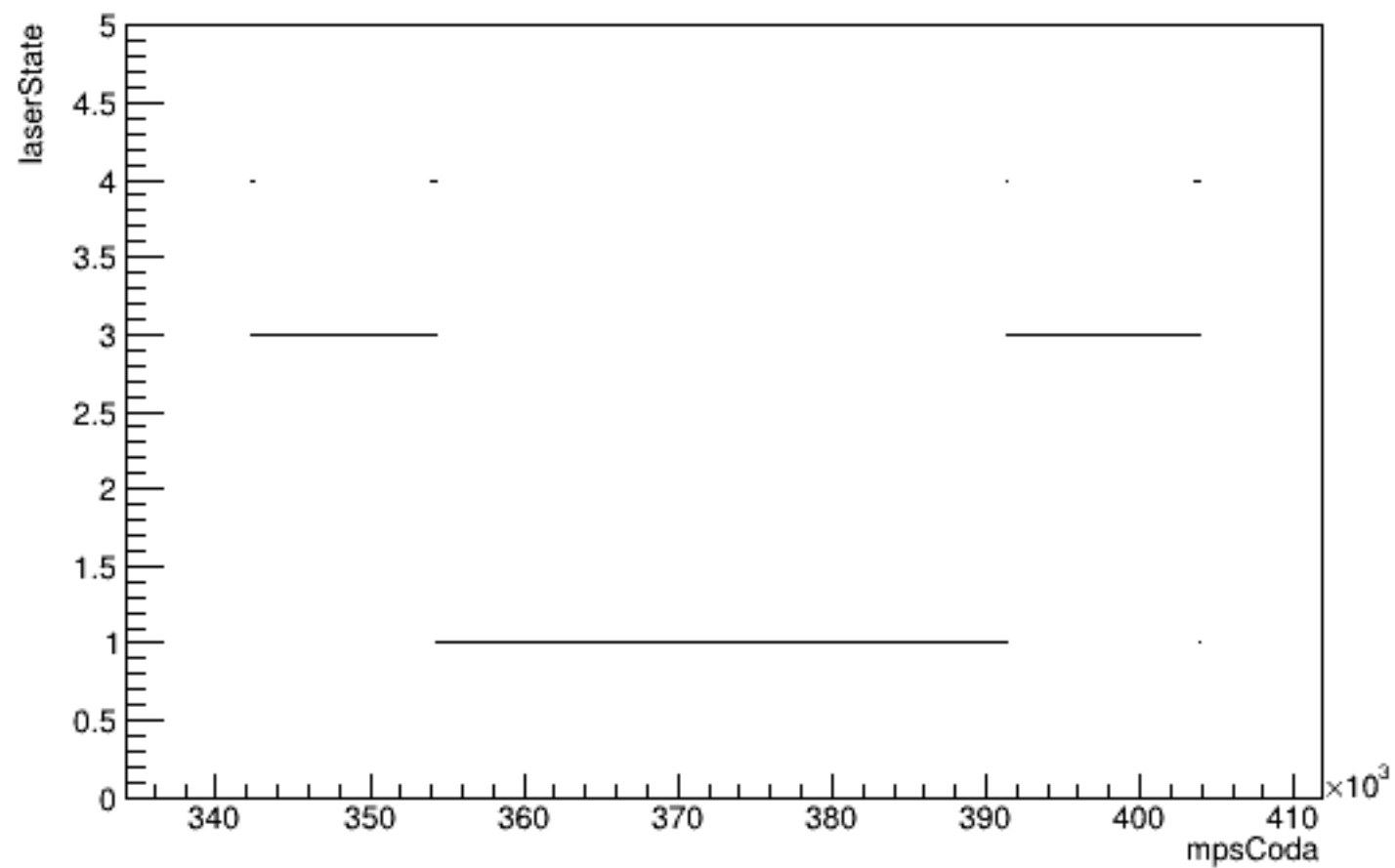
Mean: 0.0021 +/- 0.0007

Std Dev: 0.0248 +/- 0.0005

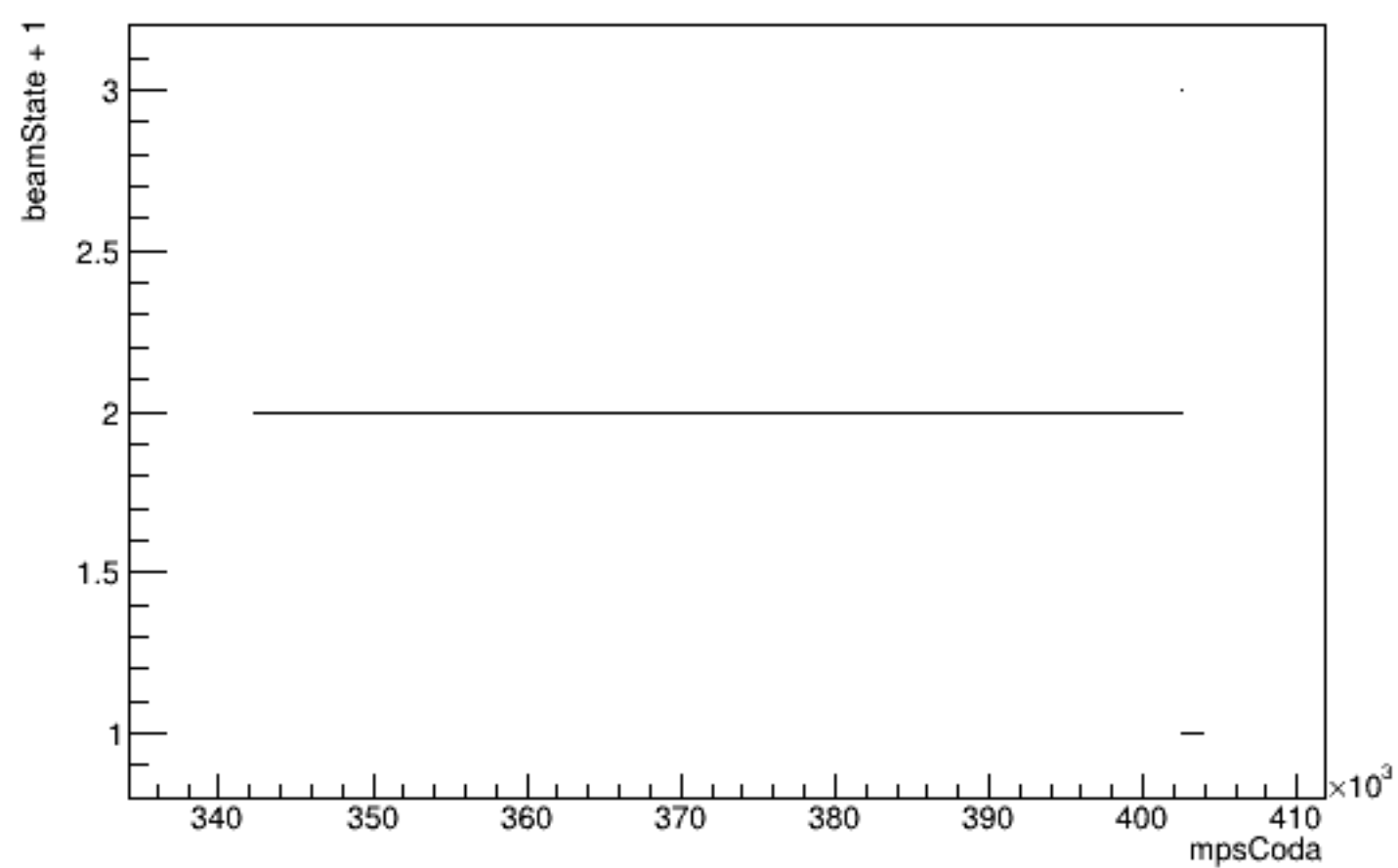
Run 4600 quartetwise, Asyms



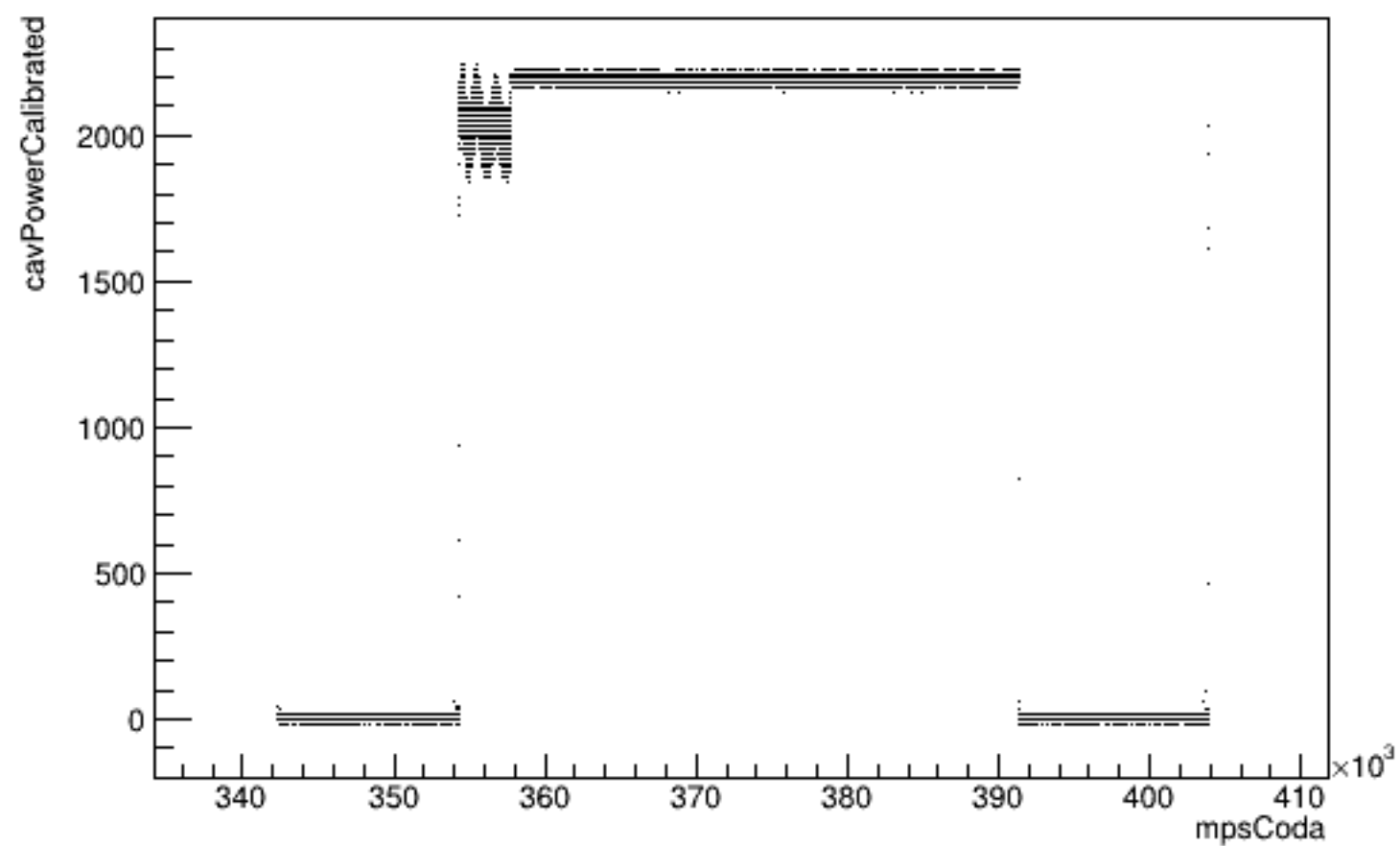
laserState:mpsCoda {mpsCoda>=342302 && mpsCoda<=403933}



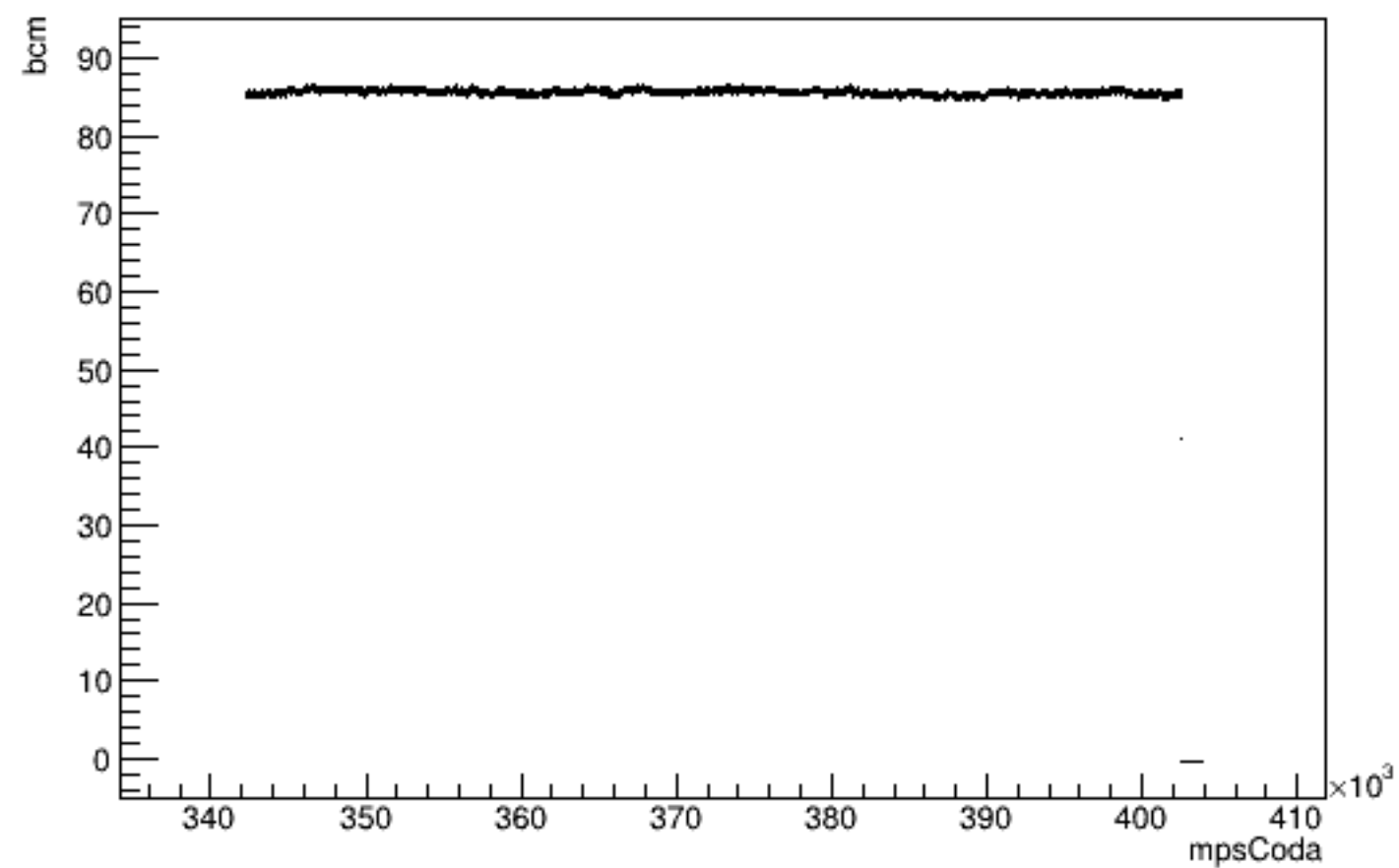
beamState + 1:mpsCoda {mpsCoda>=342302 && mpsCoda<=403933}



cavPowerCalibrated:mpsCoda {mpsCoda>=342302 && mpsCoda<=403933}



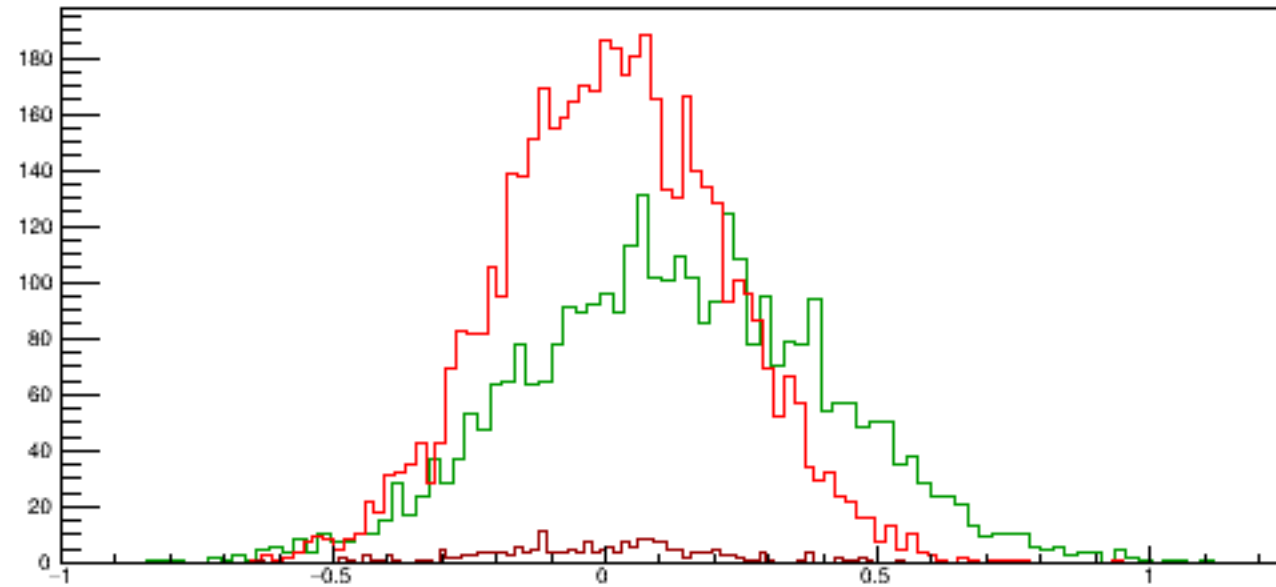
bcm:mpsCoda {mpsCoda>=342302 && mpsCoda<=403933}



Cycle 6, Diffs

Entries: 4991	Entries: 3377	Entries: 222
Mean: 0.0174 +/- 0.0029	Mean: 0.1299 +/- 0.0048	Mean: -0.0110 +/- 0.0141
Std Dev: 0.2070 +/- 0.0021	Std Dev: 0.2817 +/- 0.0034	Std Dev: 0.2102 +/- 0.0100

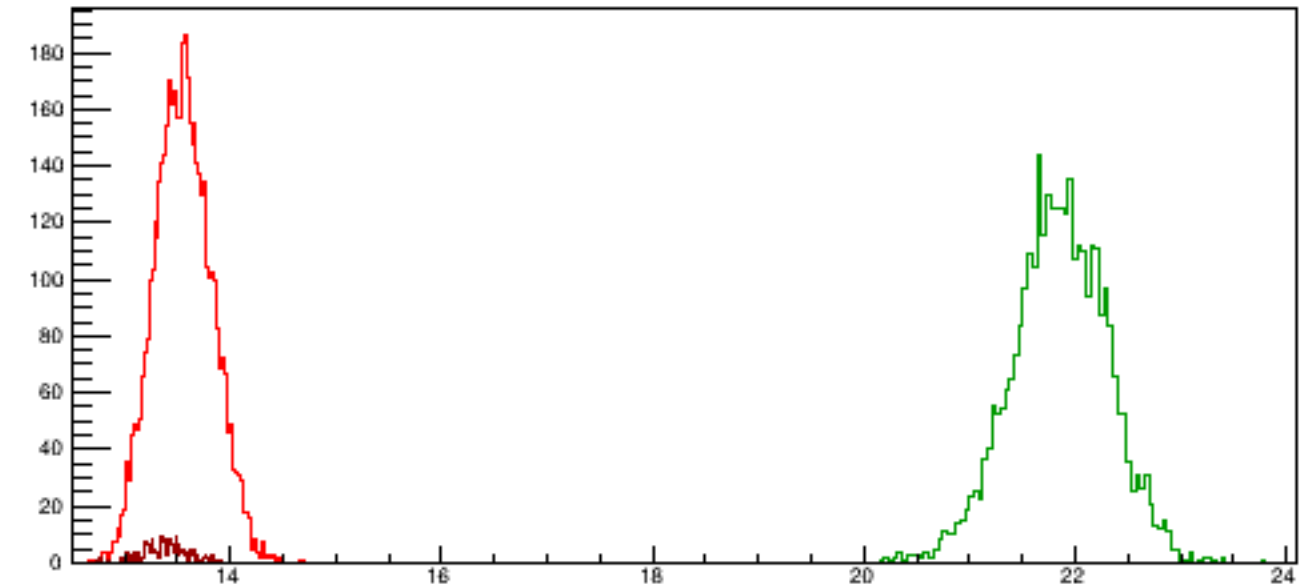
Run 4600 quartetwise, Diffs



Cycle 6, Sums

Entries: 4991	Entries: 3377	Entries: 222
Mean: 13.5534 +/- 0.0039	Mean: 21.8514 +/- 0.0079	Mean: 13.3949 +/- 0.0155
Std Dev: 0.2722 +/- 0.0027	Std Dev: 0.4583 +/- 0.0056	Std Dev: 0.2312 +/- 0.0110

Run 4600 quartetwise, Sums

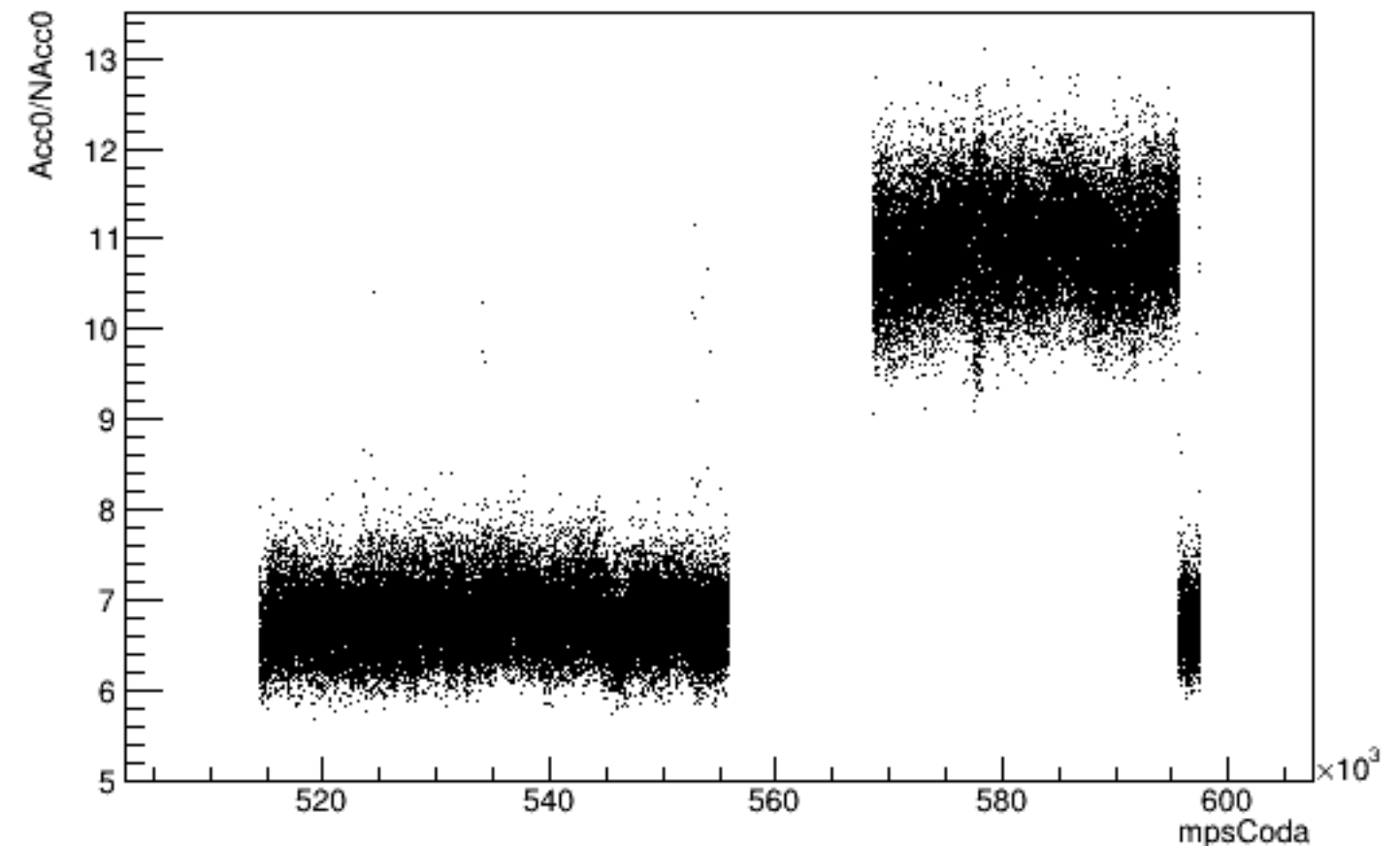
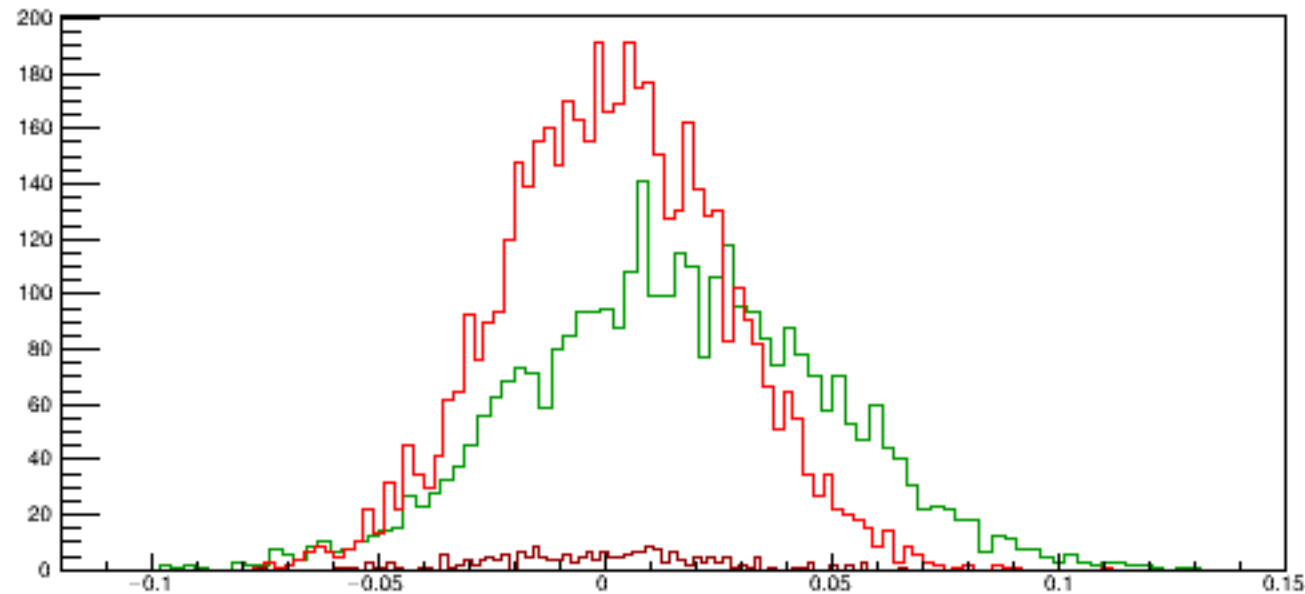


Acc0/NAcc0:mpsCoda (mpsCoda>=506366 && mpsCoda<=597485 && beamState==1)

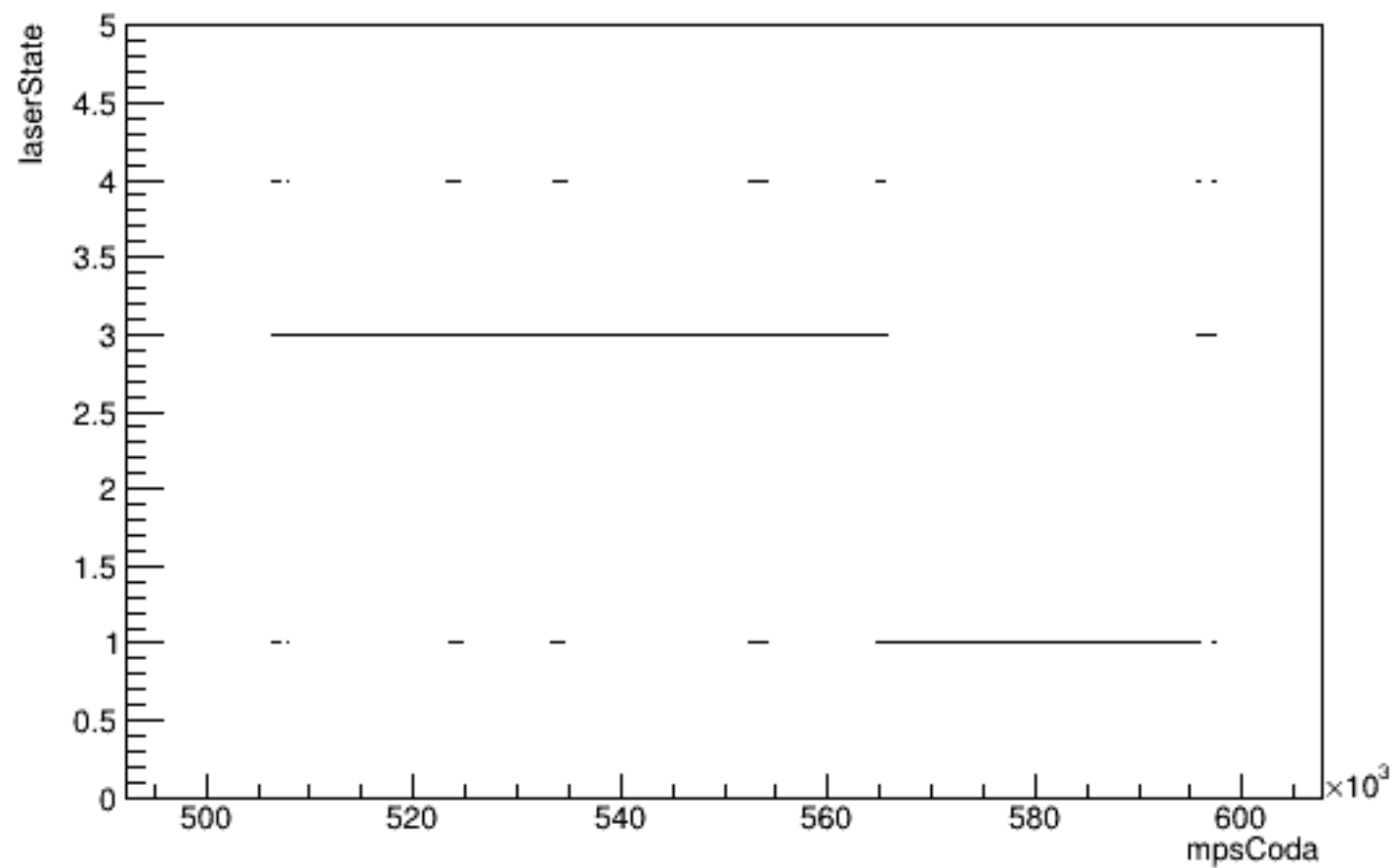
Cycle 6, Asyms

Entries: 4991	Entries: 3377	Entries: 222
Mean: 0.0021 +/- 0.0003	Mean: 0.0155 +/- 0.0006	Mean: -0.0013 +/- 0.0017
Std Dev: 0.0247 +/- 0.0002	Std Dev: 0.0338 +/- 0.0004	Std Dev: 0.0251 +/- 0.0012

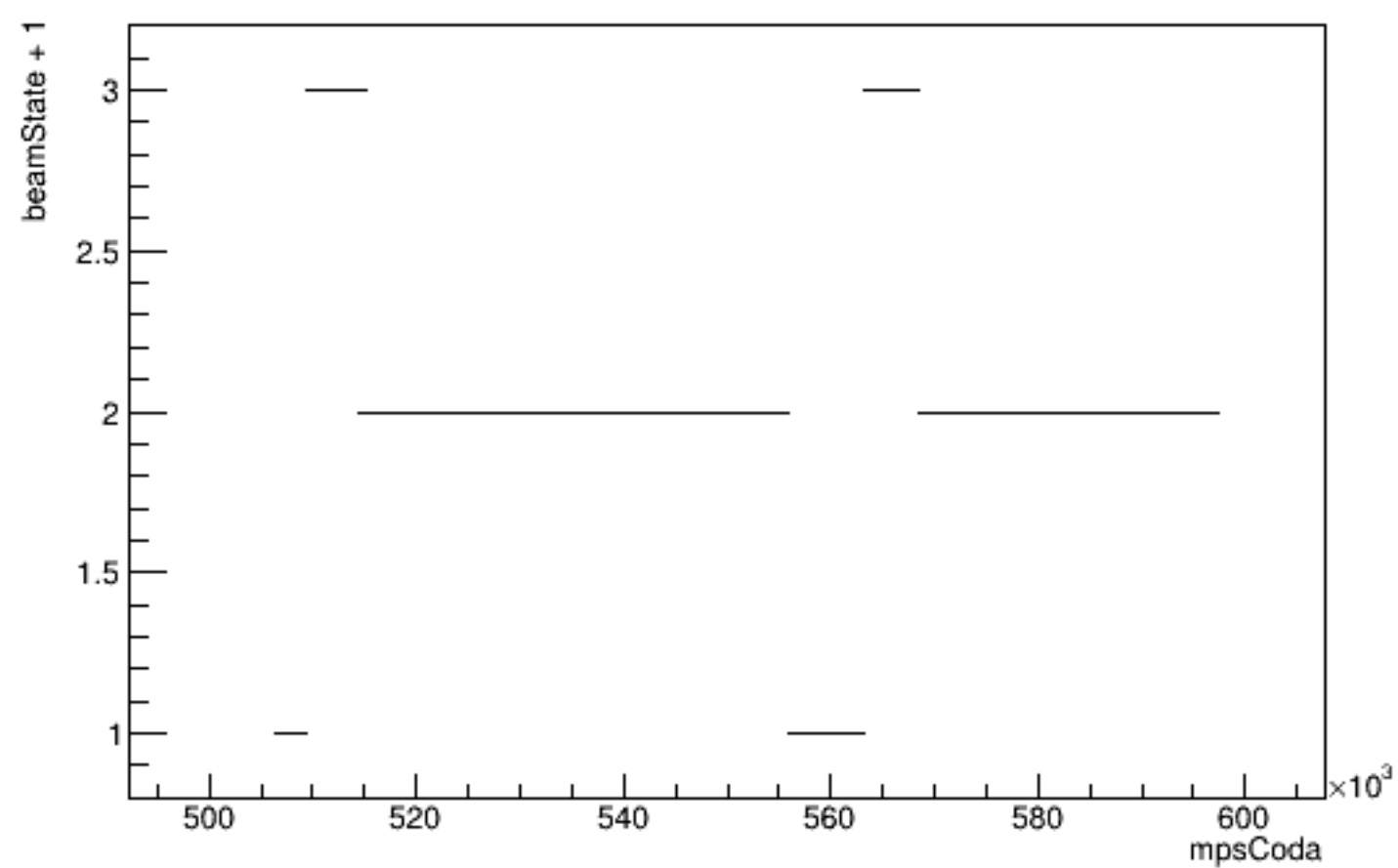
Run 4600 quartetwise, Asyms



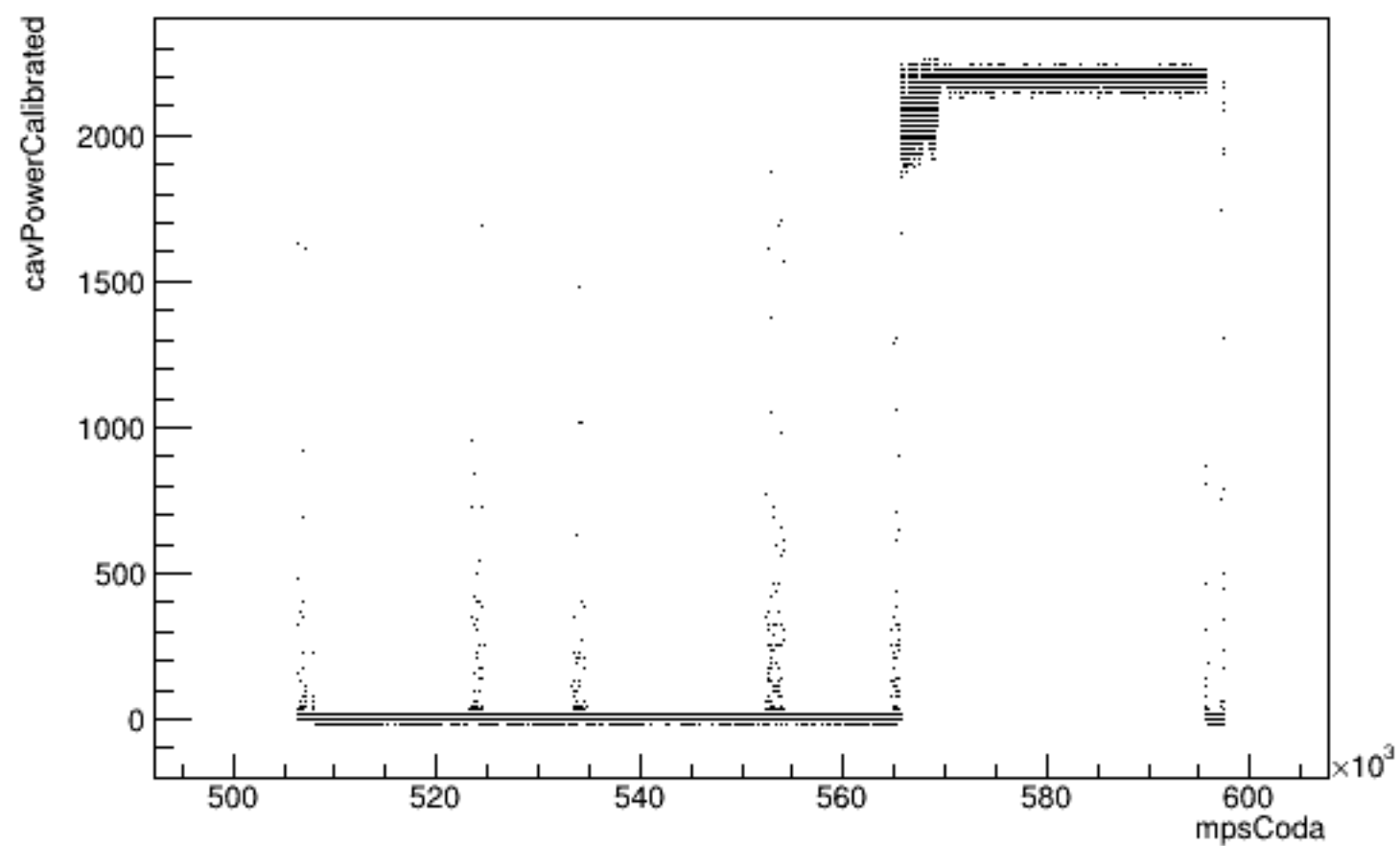
laserState:mpsCoda {mpsCoda>=506366 && mpsCoda<=597485}



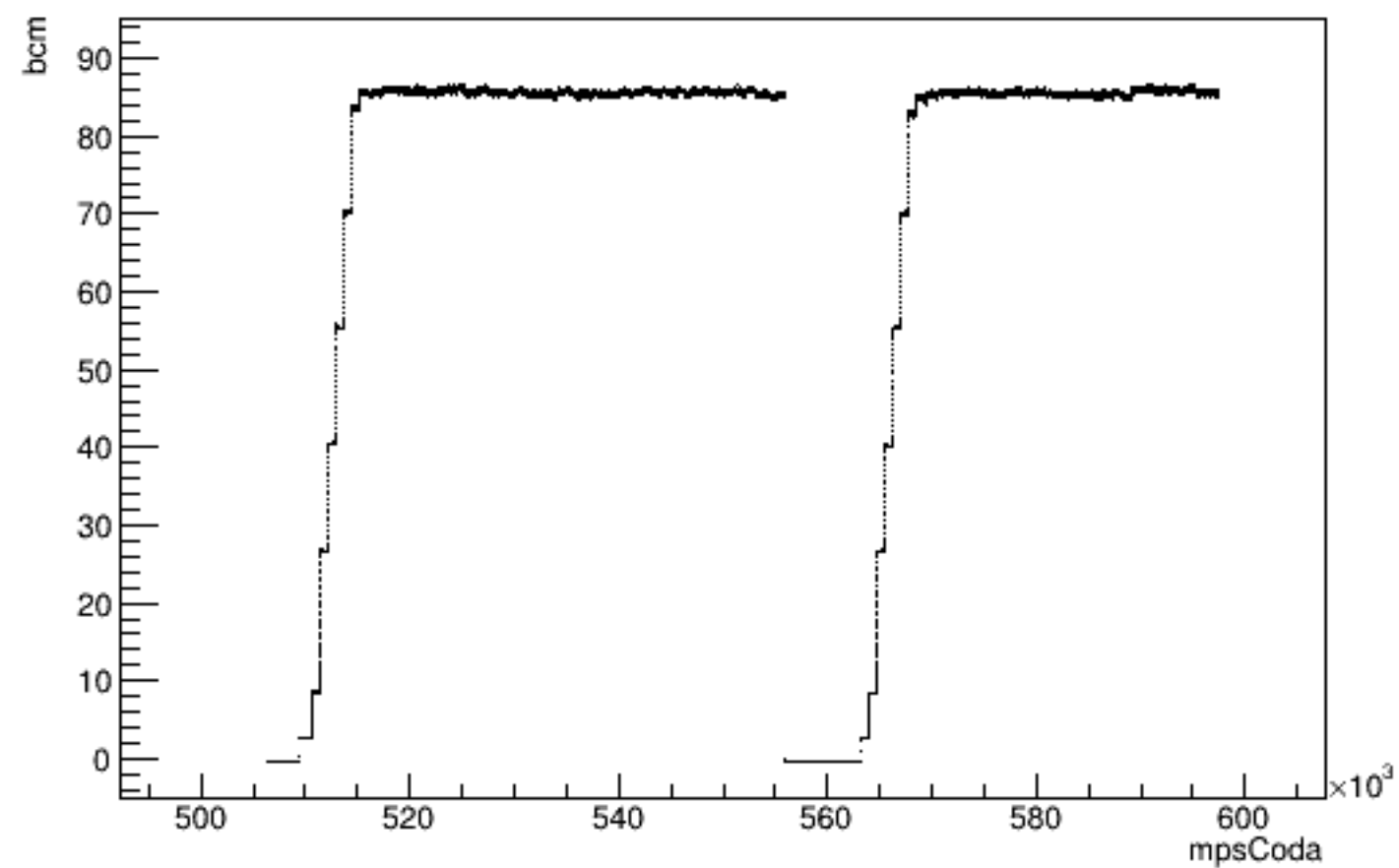
beamState + 1:mpsCoda {mpsCoda>=506366 && mpsCoda<=597485}



cavPowerCalibrated:mpsCoda {mpsCoda>=506366 && mpsCoda<=597485}



bcm:mpsCoda {mpsCoda>=506366 && mpsCoda<=597485}



Cycle 7, Diffs

Entries: 222

Mean: -0.0110 +/- 0.0141

Std Dev: 0.2102 +/- 0.0100

Entries: 662

Mean: 0.1081 +/- 0.0108

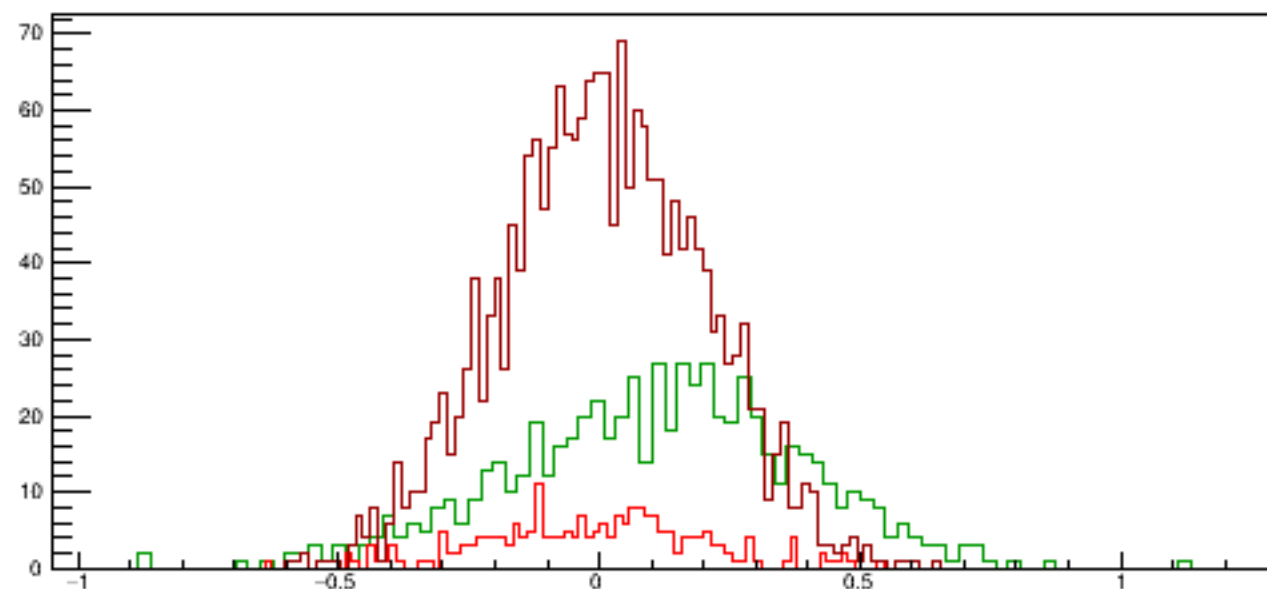
Std Dev: 0.2782 +/- 0.0076

Entries: 2020

Mean: 0.0061 +/- 0.0043

Std Dev: 0.1938 +/- 0.0030

Run 4600 quartetwise, Diffs



Cycle 7, Sums

Entries: 222

Mean: 13.3949 +/- 0.0155

Std Dev: 0.2312 +/- 0.0110

Entries: 662

Mean: 22.0019 +/- 0.0159

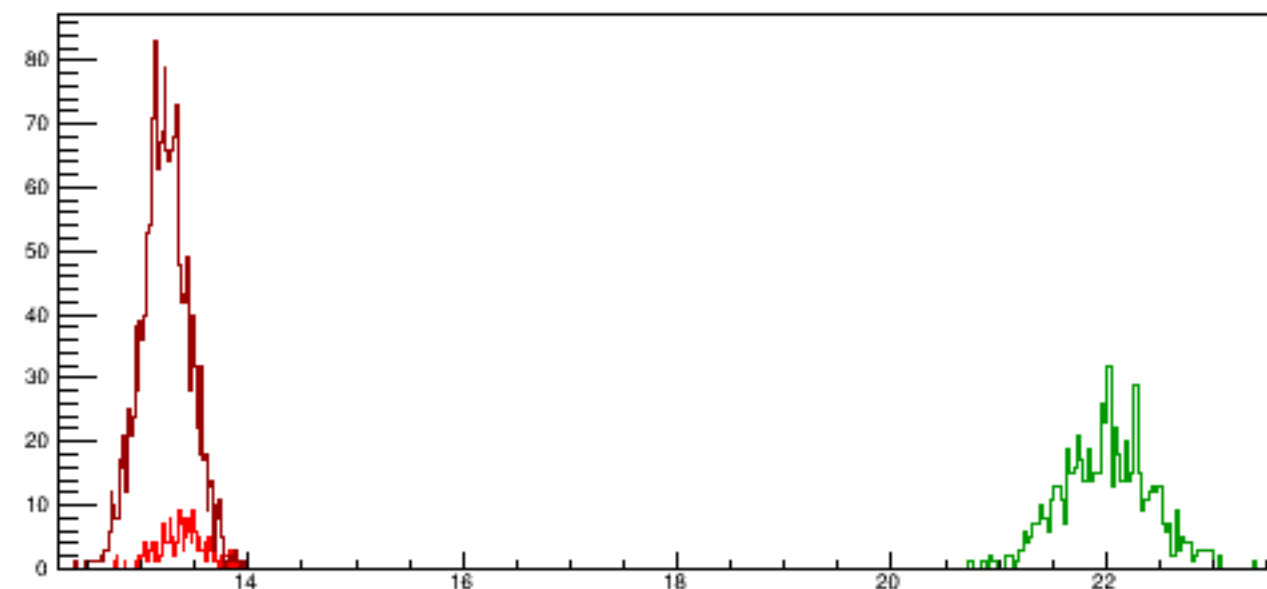
Std Dev: 0.4086 +/- 0.0112

Entries: 2020

Mean: 13.2174 +/- 0.0050

Std Dev: 0.2262 +/- 0.0036

Run 4600 quartetwise, Sums



Cycle 7, Asyms

Entries: 222

Mean: -0.0013 +/- 0.0016

Std Dev: 0.0242 +/- 0.0011

Entries: 662

Mean: 0.0125 +/- 0.0012

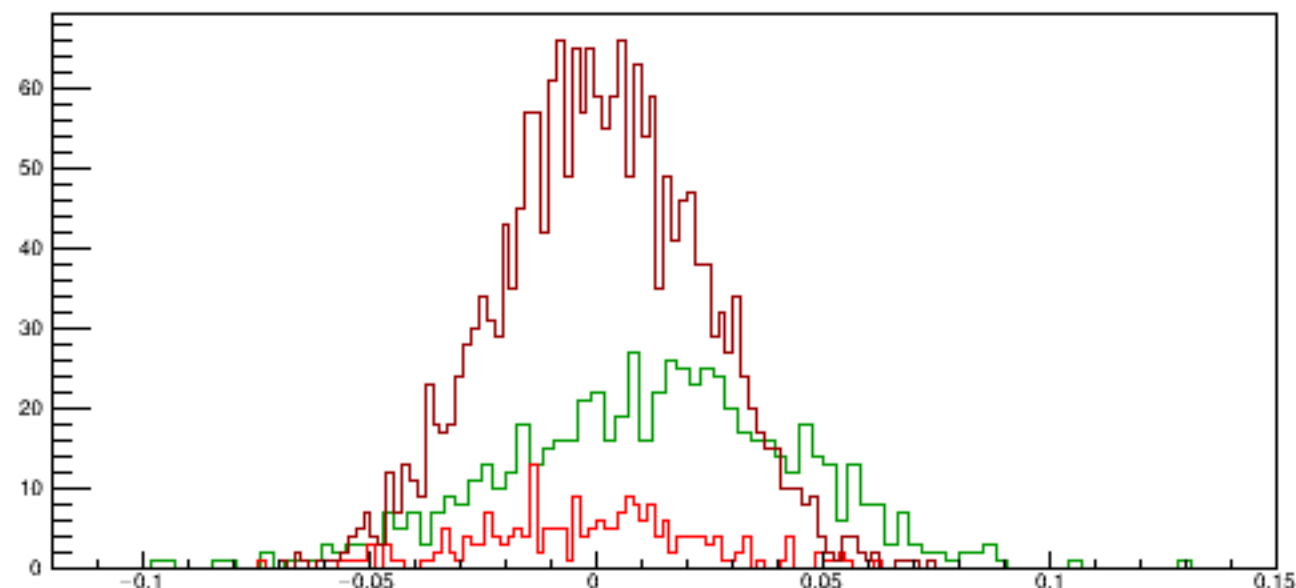
Std Dev: 0.0320 +/- 0.0009

Entries: 2020

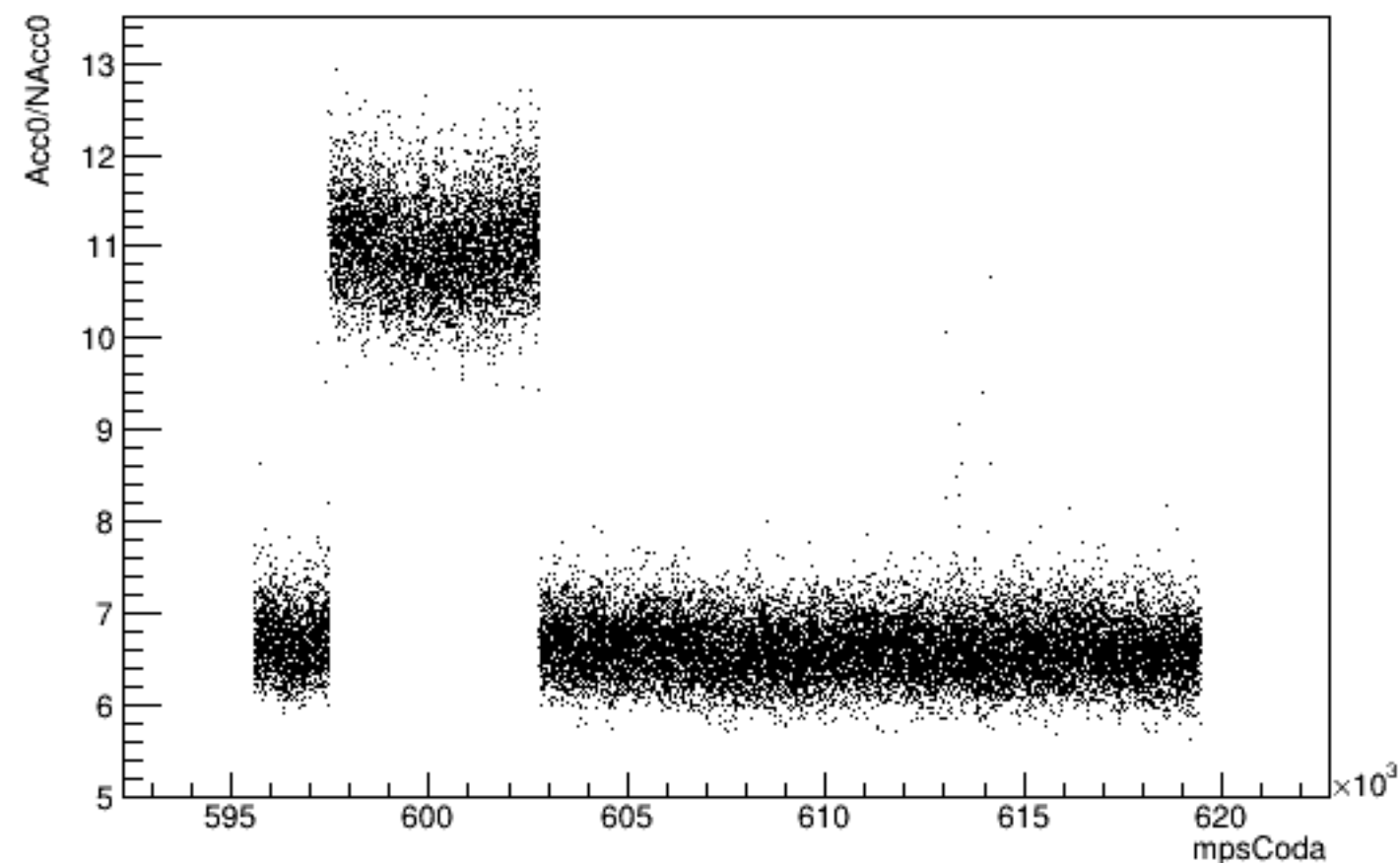
Mean: 0.0007 +/- 0.0005

Std Dev: 0.0223 +/- 0.0004

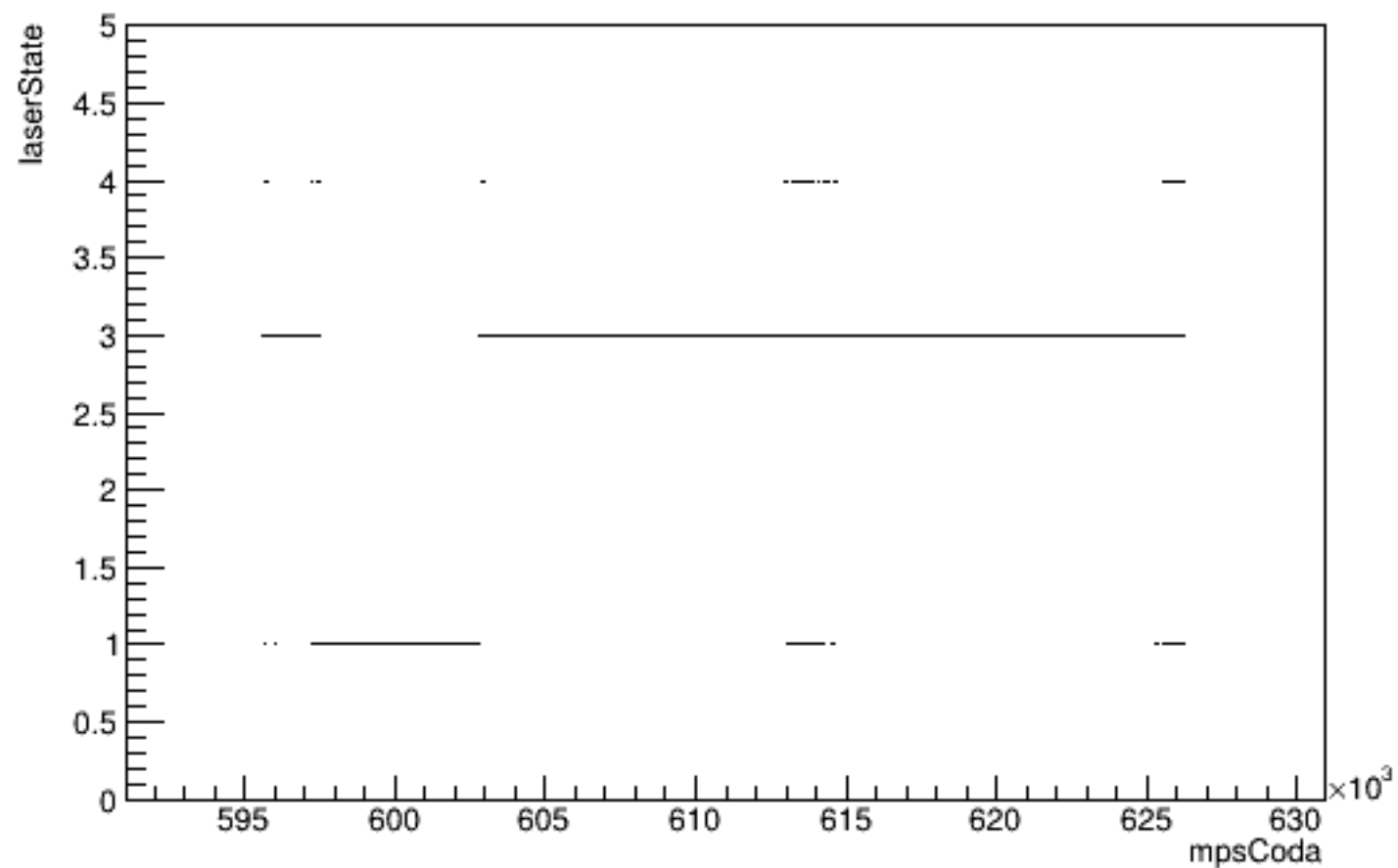
Run 4600 quartetwise, Asyms



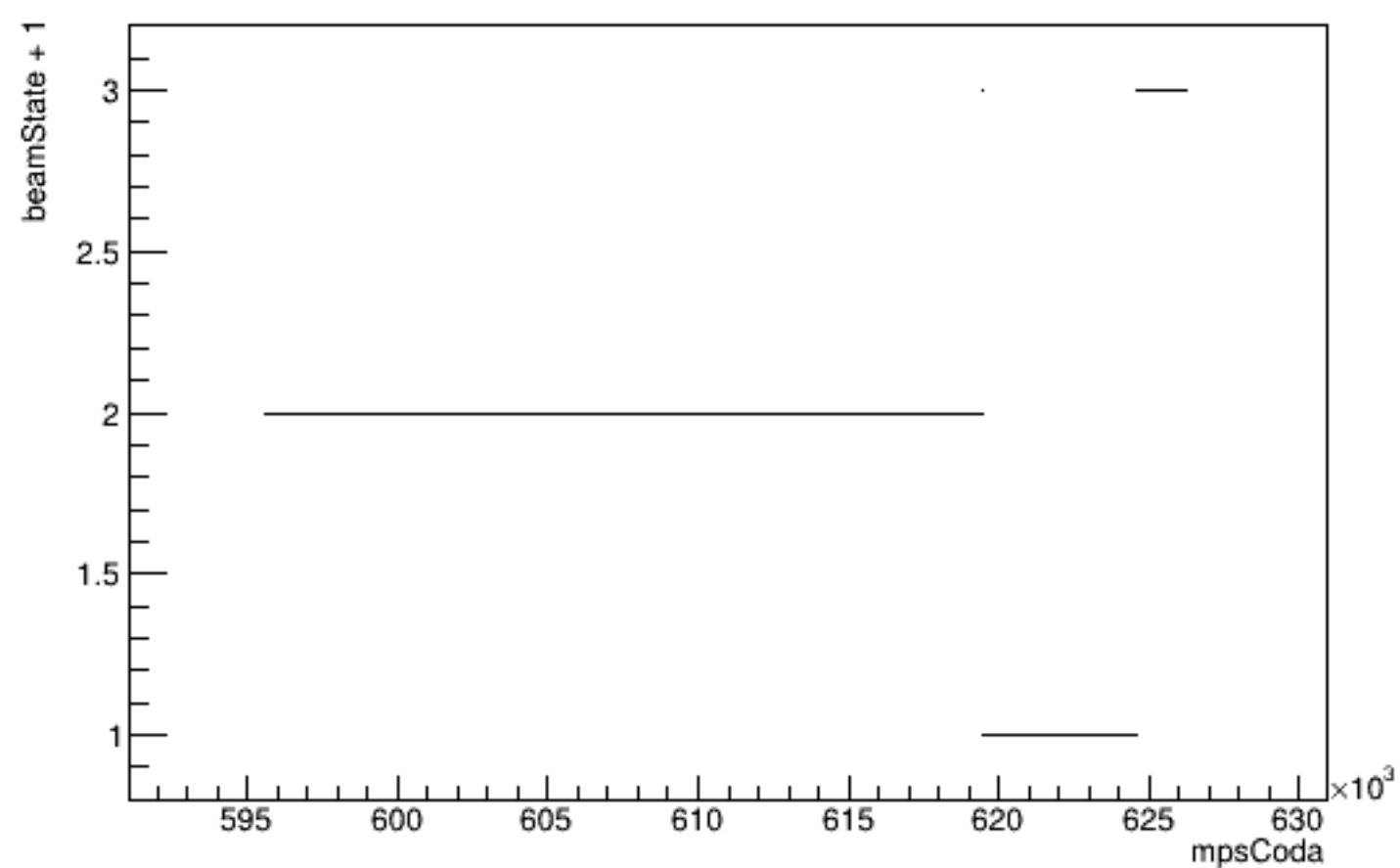
Acc0/NAcc0:mpsCoda (mpsCoda>=595582 && mpsCoda<=626213 && beamState==1)



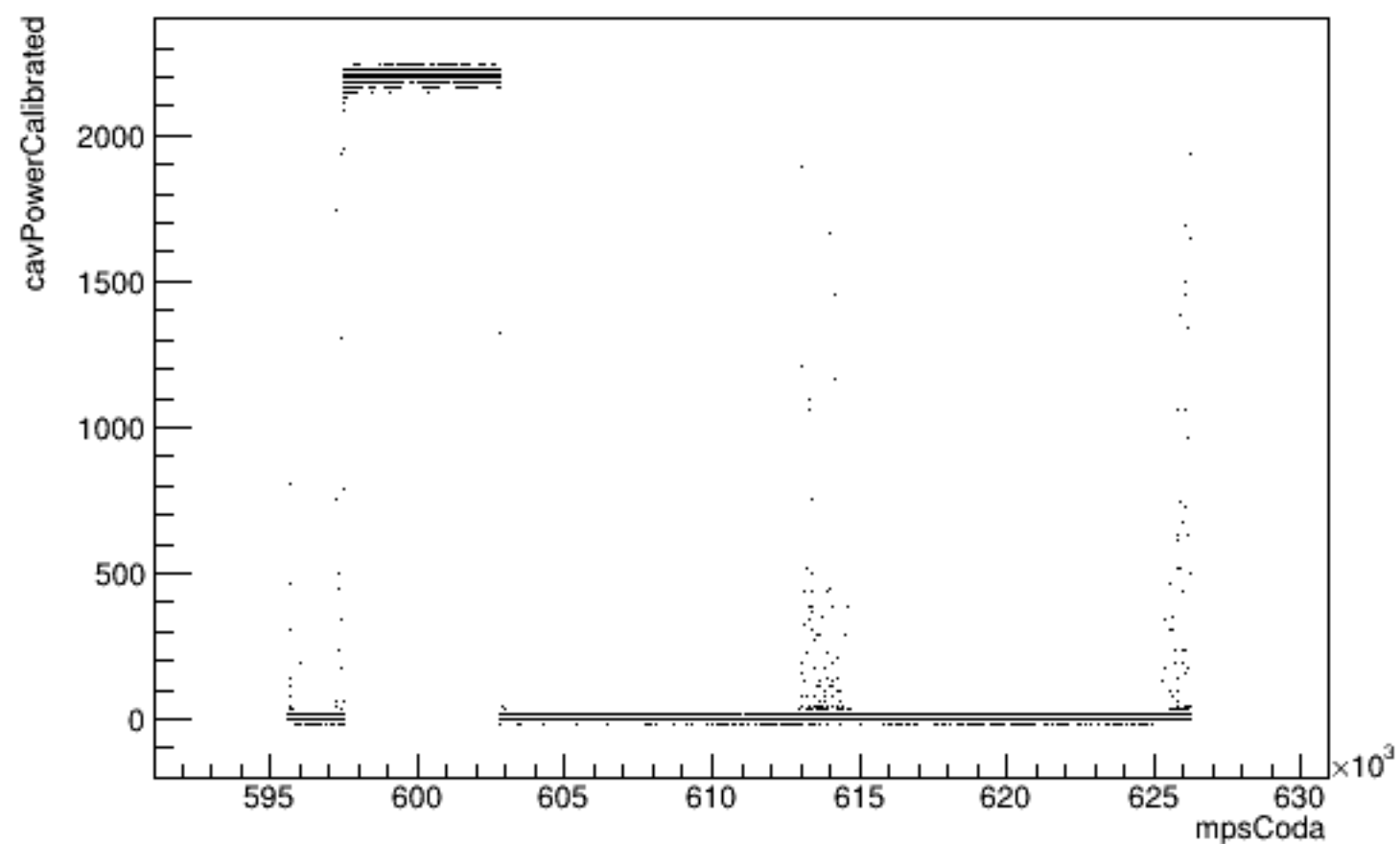
laserState:mpsCoda {mpsCoda>=595582 && mpsCoda<=626213}



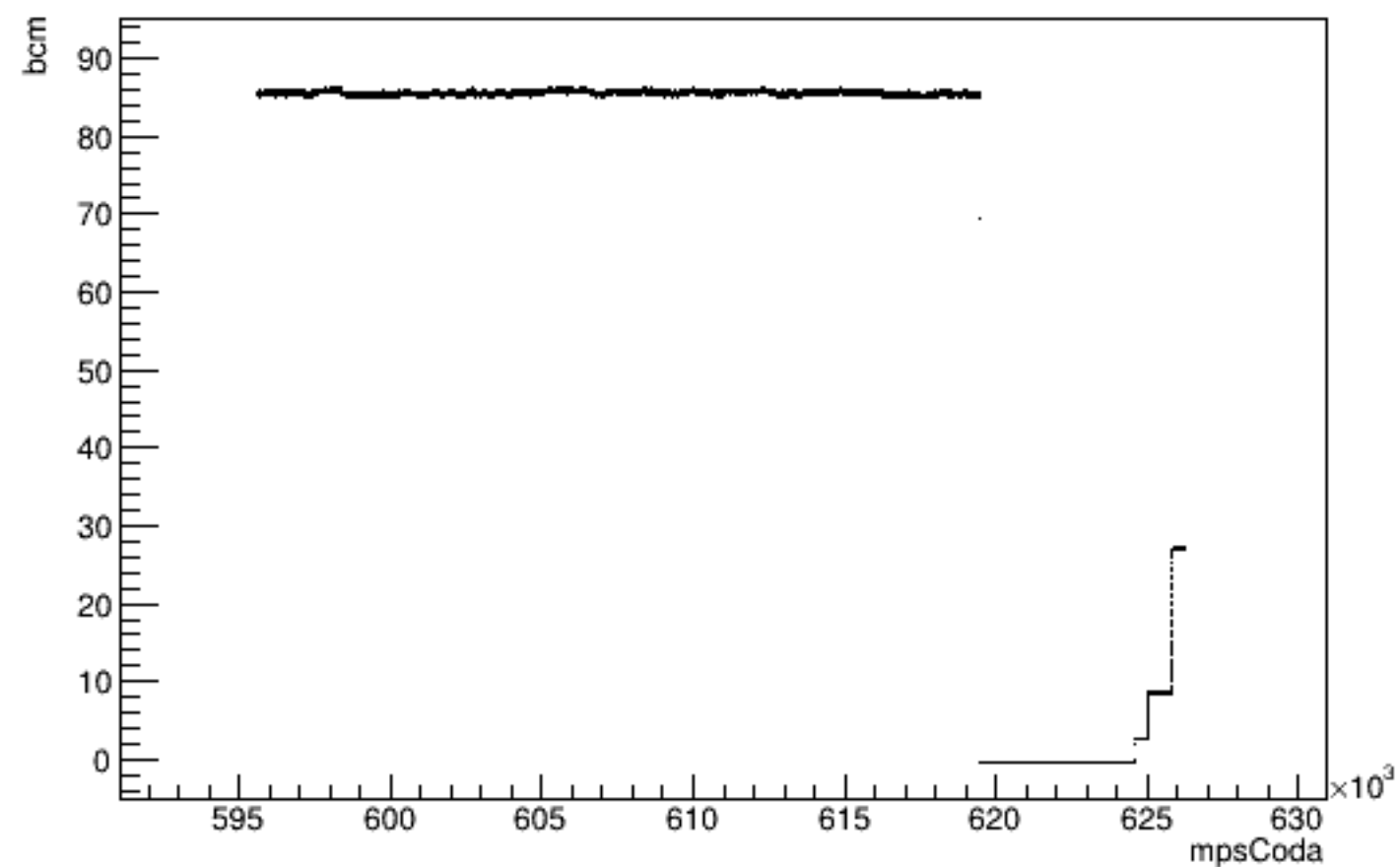
beamState + 1:mpsCoda {mpsCoda>=595582 && mpsCoda<=626213}



cavPowerCalibrated:mpsCoda {mpsCoda>=595582 && mpsCoda<=626213}



bcm:mpsCoda {mpsCoda>=595582 && mpsCoda<=626213}



Cycle 8, Diffs

Entries: 2020

Mean: 0.0061 +/- 0.0043

Std Dev: 0.1938 +/- 0.0030

Entries: 4166

Mean: 0.1974 +/- 0.0049

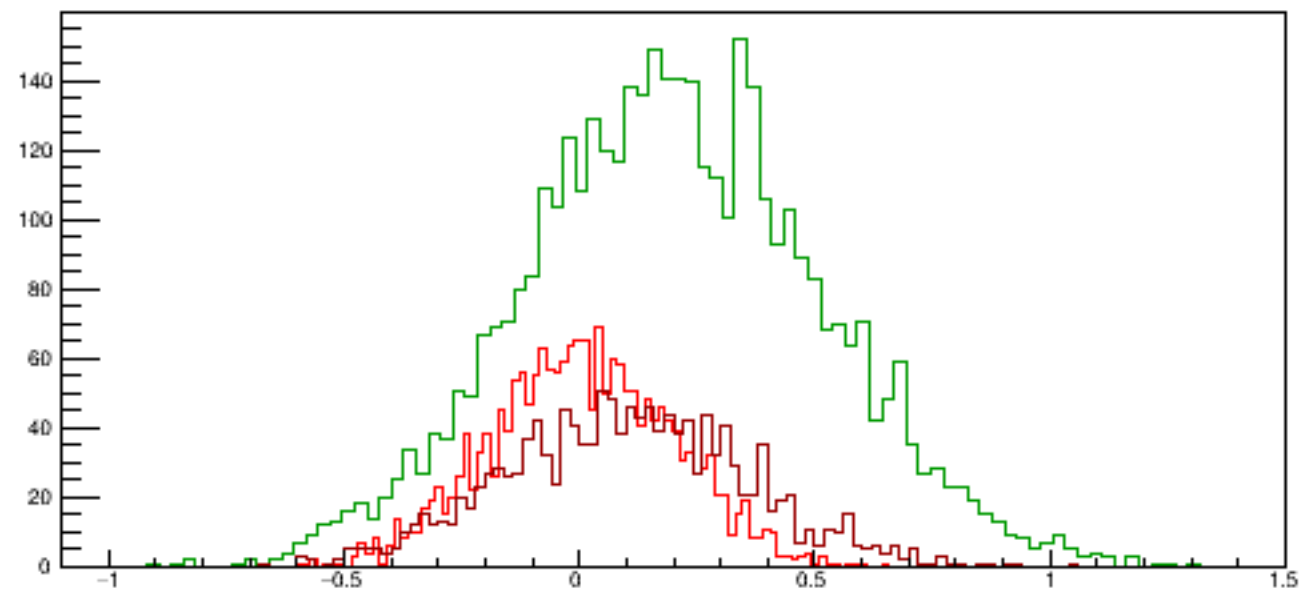
Std Dev: 0.3162 +/- 0.0035

Entries: 1418

Mean: 0.1002 +/- 0.0068

Std Dev: 0.2573 +/- 0.0048

Run 4600 quartetwise, Diffs



Cycle 8, Sums

Entries: 2020

Mean: 13.2174 +/- 0.0050

Std Dev: 0.2262 +/- 0.0036

Entries: 4166

Mean: 22.5443 +/- 0.0072

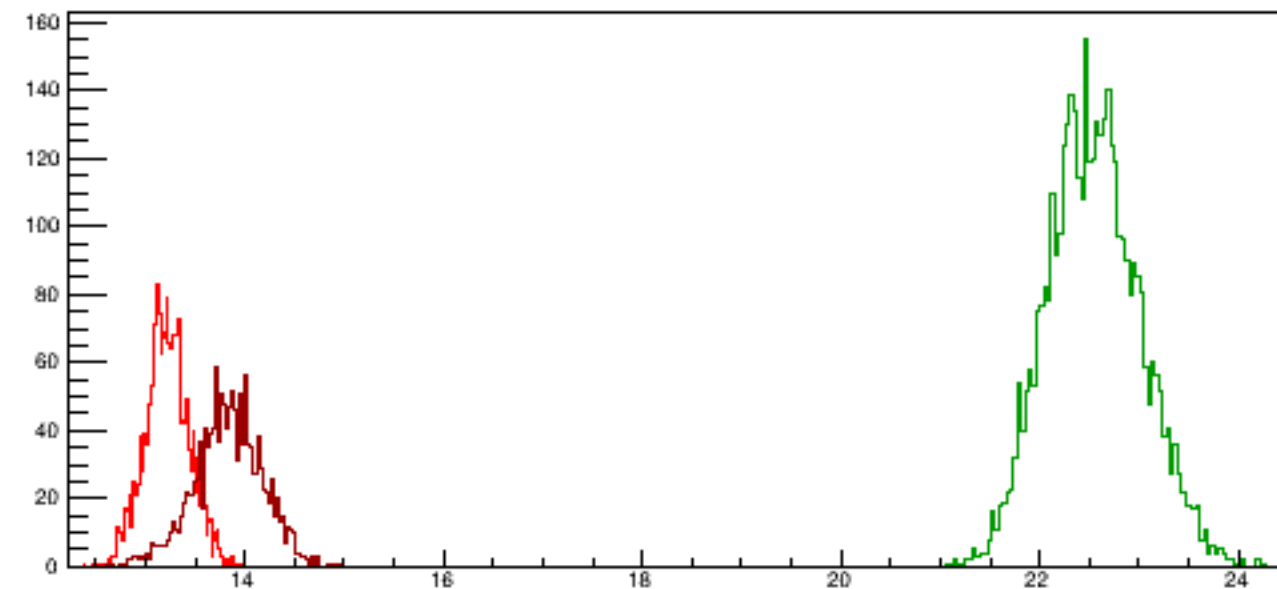
Std Dev: 0.4670 +/- 0.0051

Entries: 1418

Mean: 13.8354 +/- 0.0092

Std Dev: 0.3467 +/- 0.0065

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=602790 && mpsCoda<=674717 && beamState==1)

Cycle 8, Asyms

Entries: 2020

Mean: 0.0007 +/- 0.0005

Std Dev: 0.0215 +/- 0.0003

Entries: 4166

Mean: 0.0218 +/- 0.0005

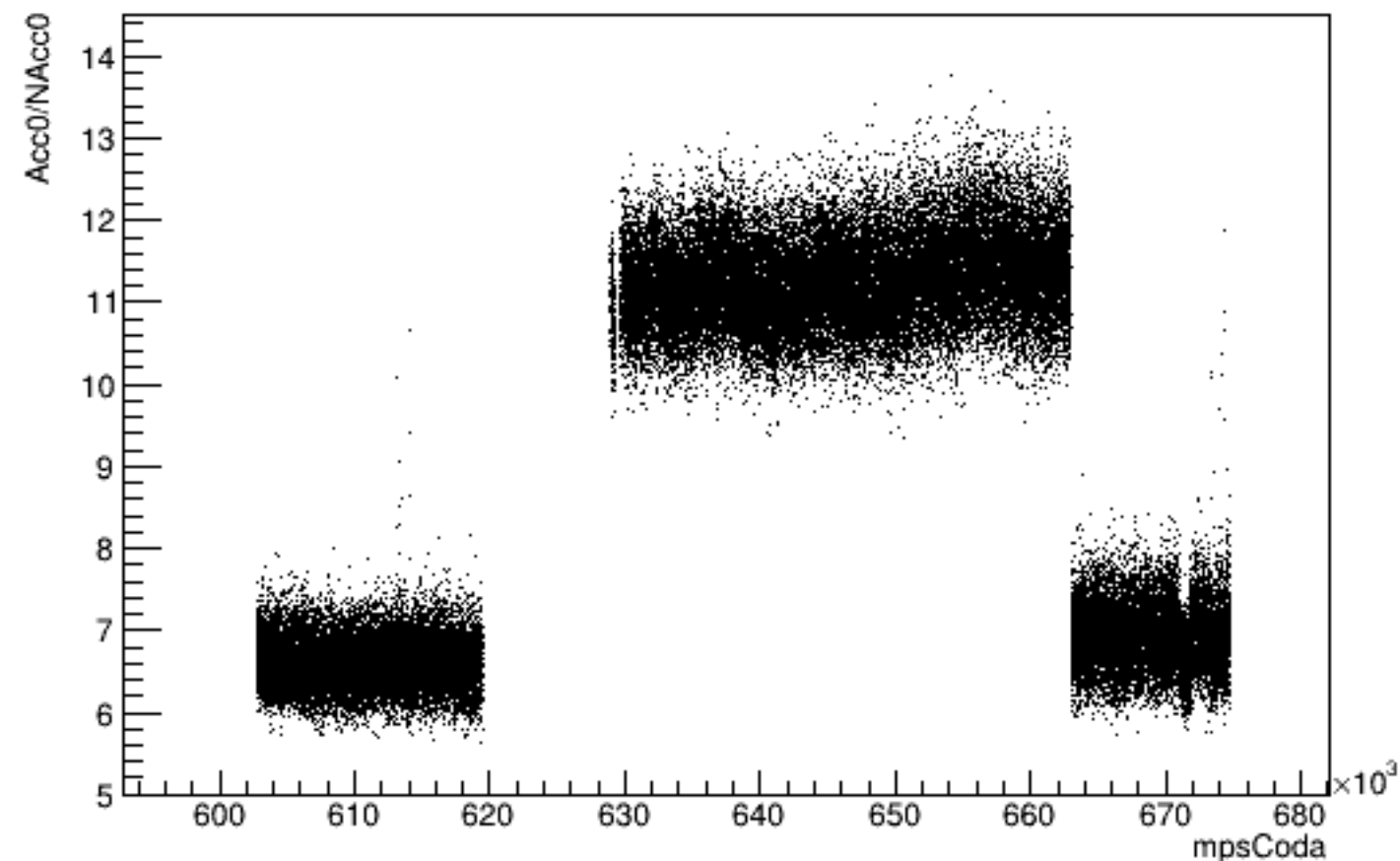
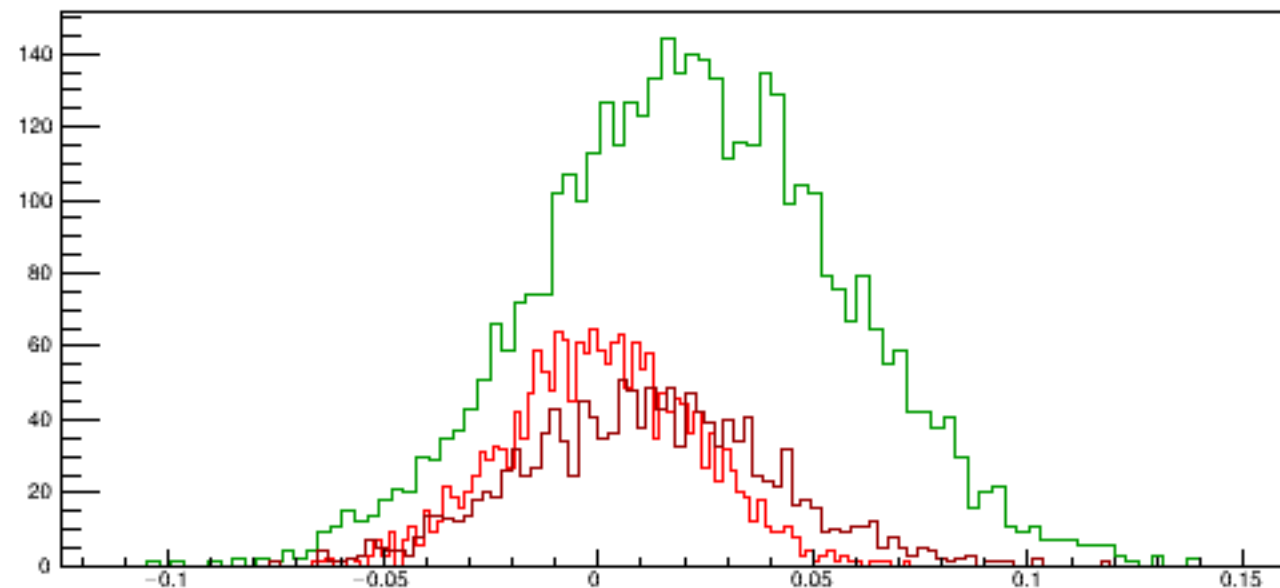
Std Dev: 0.0350 +/- 0.0004

Entries: 1418

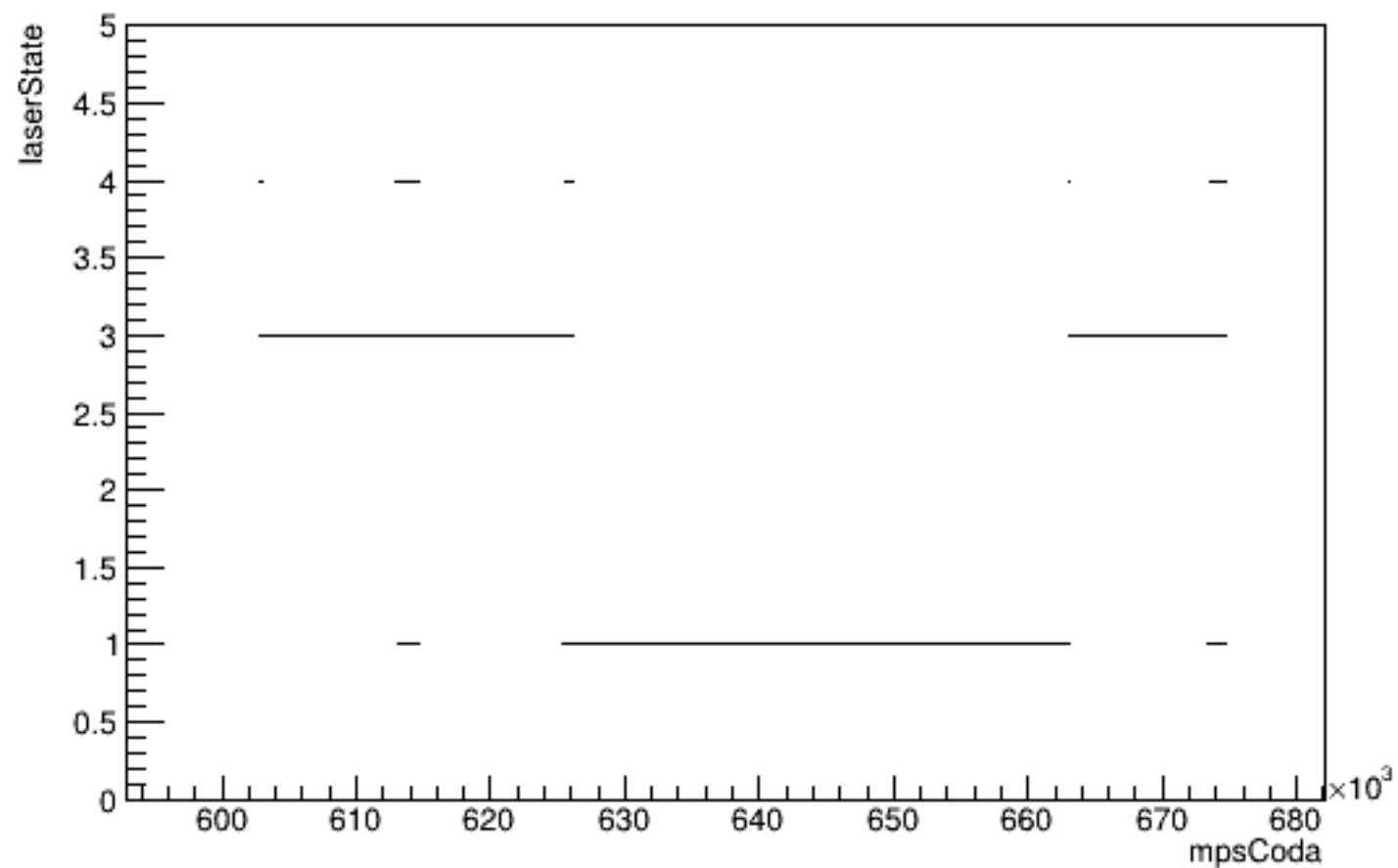
Mean: 0.0111 +/- 0.0008

Std Dev: 0.0285 +/- 0.0005

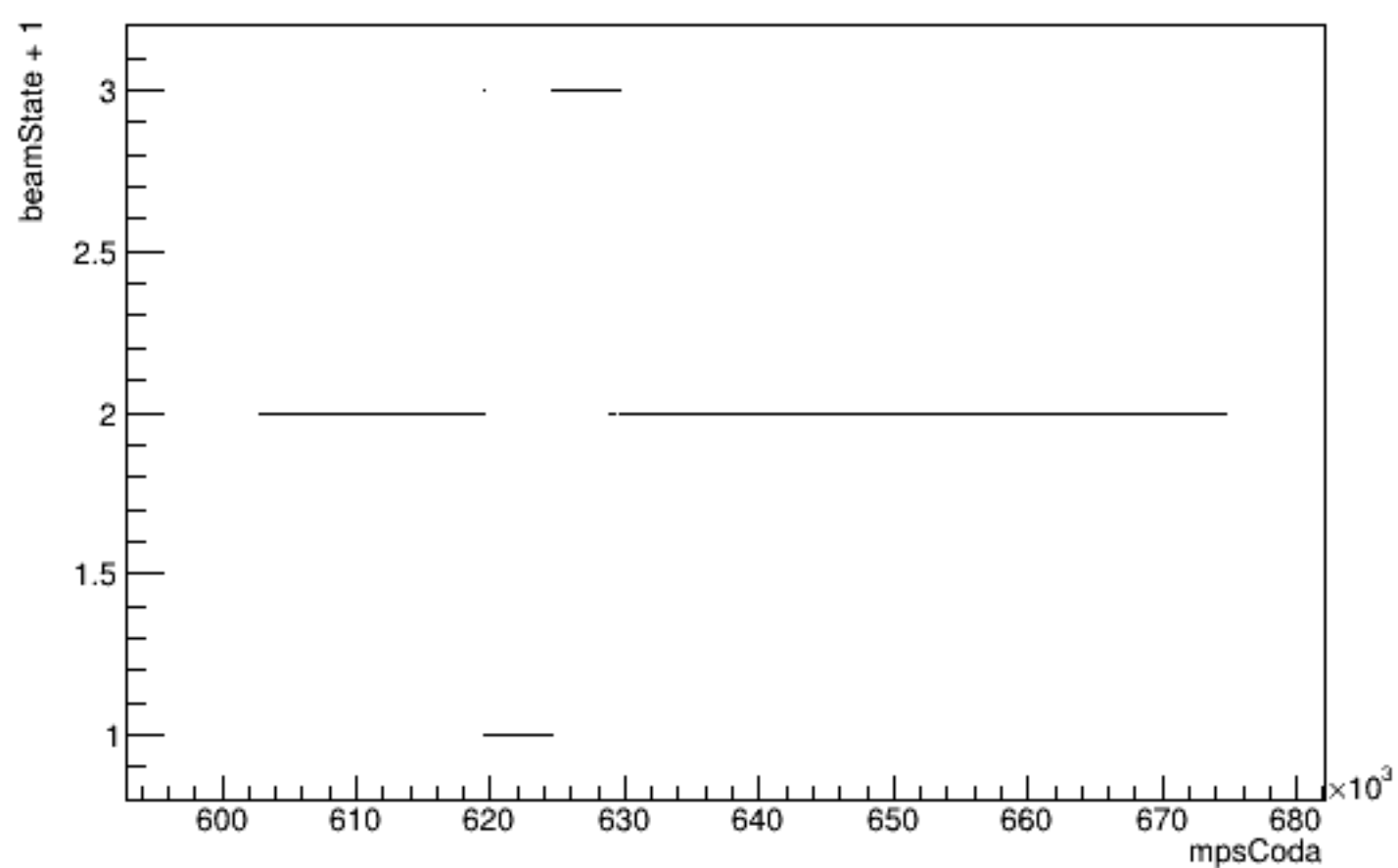
Run 4600 quartetwise, Asyms



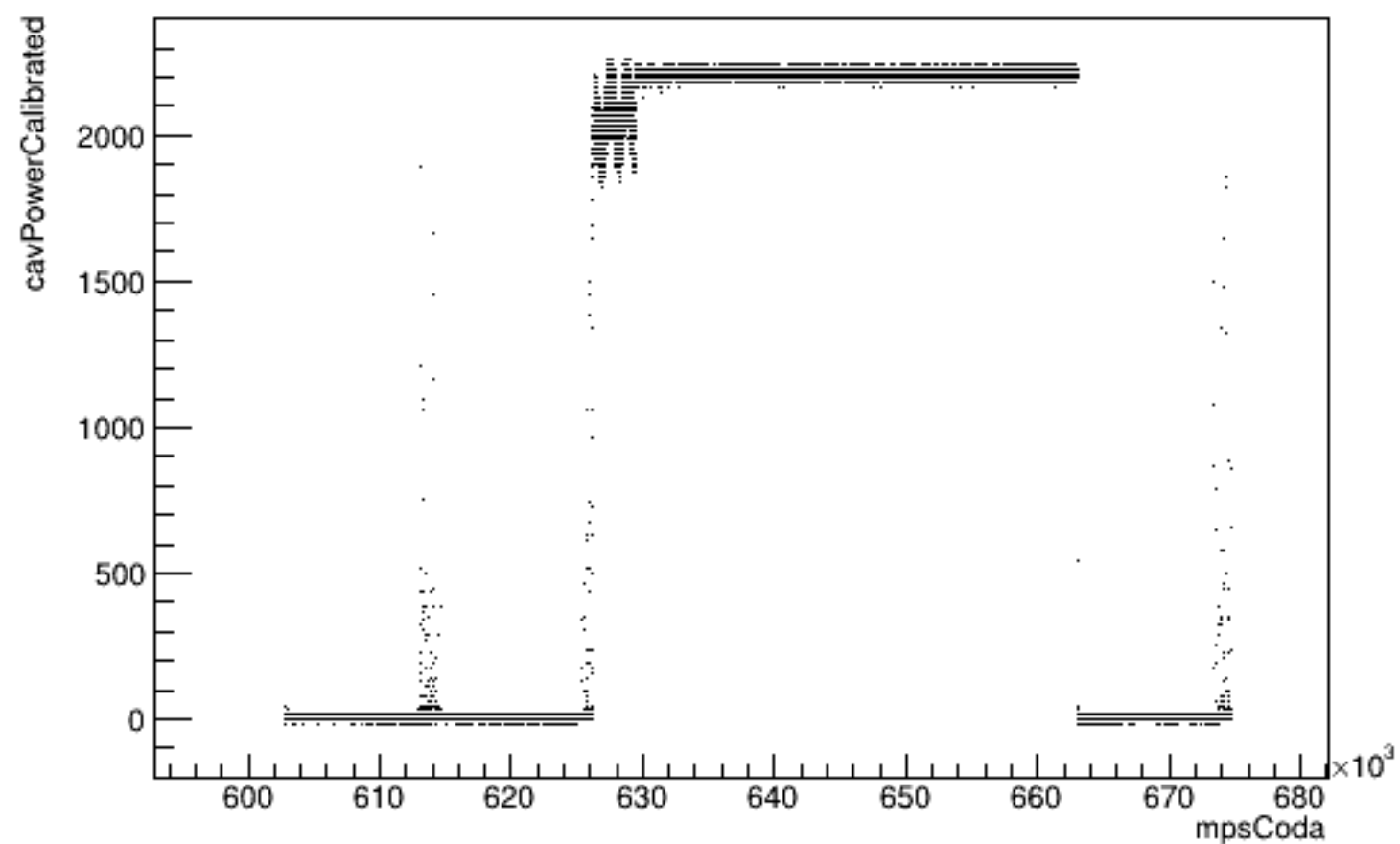
laserState:mpsCoda {mpsCoda>=602790 && mpsCoda<=674717}



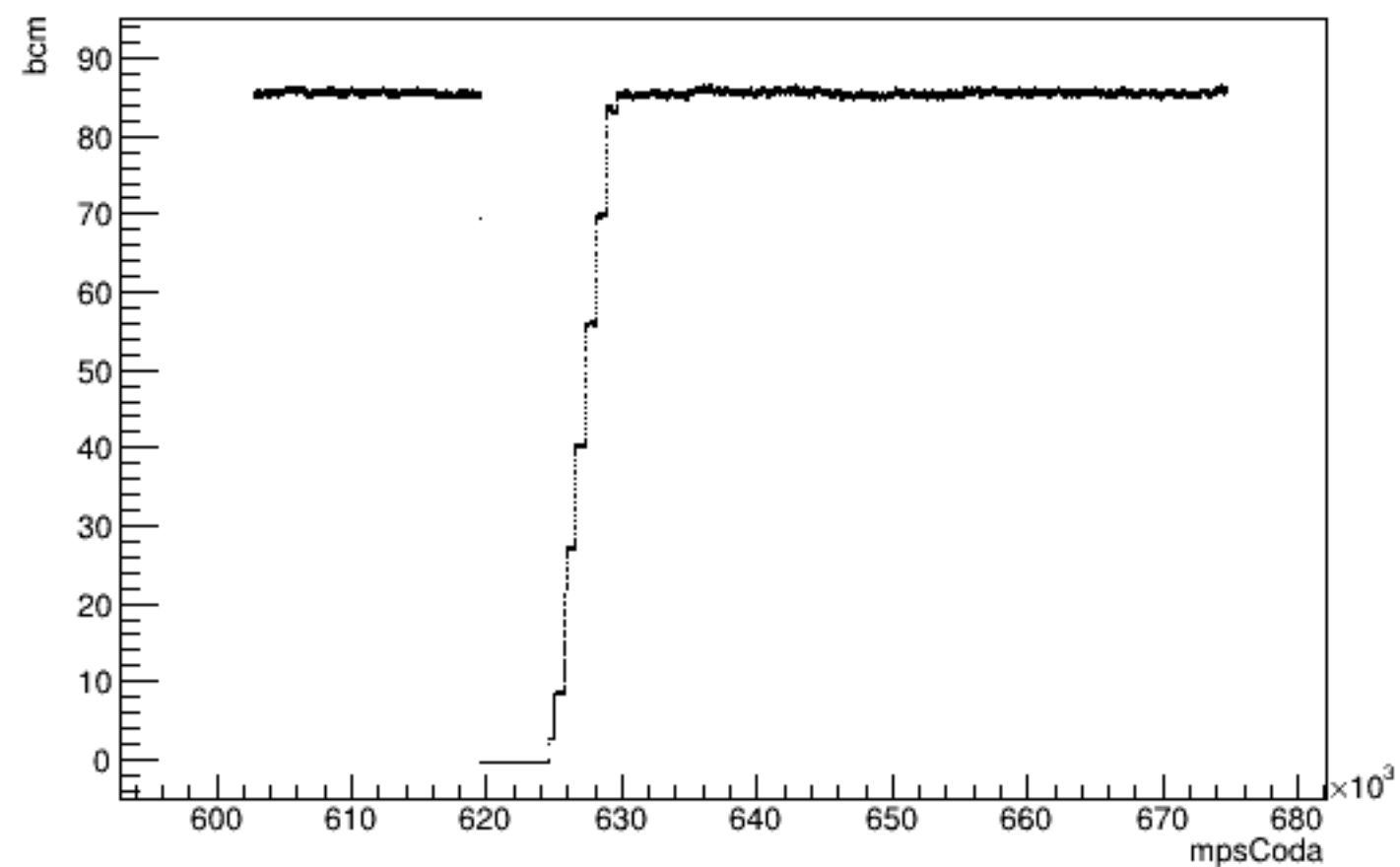
beamState + 1:mpsCoda {mpsCoda>=602790 && mpsCoda<=674717}



cavPowerCalibrated:mpsCoda {mpsCoda>=602790 && mpsCoda<=674717}



bcm:mpsCoda {mpsCoda>=602790 && mpsCoda<=674717}



Cycle 9, Diffs

Entries: 1418

Mean: 0.1002 +/- 0.0068

Std Dev: 0.2573 +/- 0.0048

Entries: 4659

Mean: 0.2367 +/- 0.0048

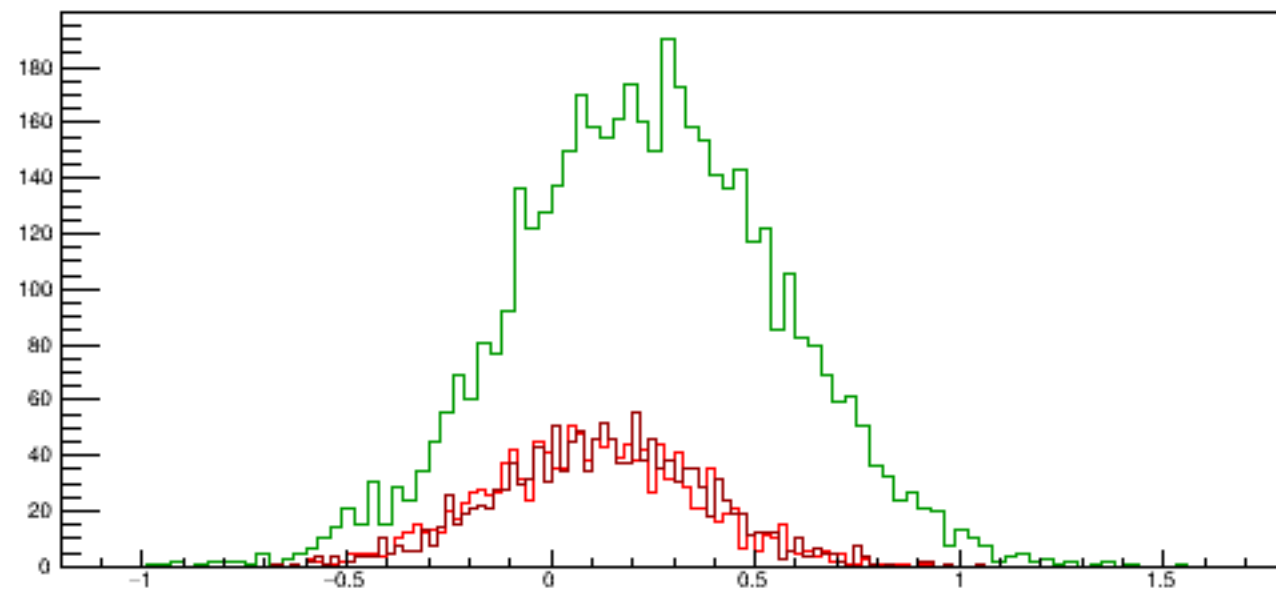
Std Dev: 0.3295 +/- 0.0034

Entries: 1445

Mean: 0.1226 +/- 0.0068

Std Dev: 0.2597 +/- 0.0048

Run 4600 quartetwise, Diffs



Cycle 9, Sums

Entries: 1418

Mean: 13.8354 +/- 0.0092

Std Dev: 0.3467 +/- 0.0065

Entries: 4659

Mean: 22.5667 +/- 0.0091

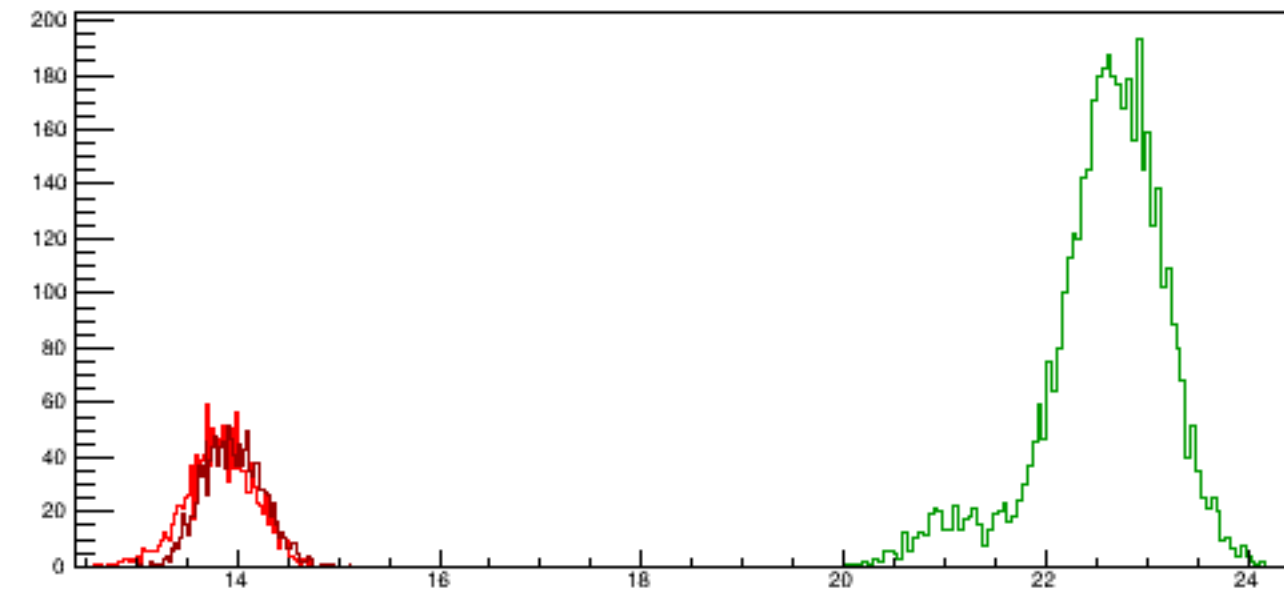
Std Dev: 0.6193 +/- 0.0064

Entries: 1445

Mean: 13.9577 +/- 0.0078

Std Dev: 0.2968 +/- 0.0055

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=662966 && mpsCoda<=723597 && beamState==1)

Cycle 9, Asyms

Entries: 1418

Mean: 0.0116 +/- 0.0008

Std Dev: 0.0297 +/- 0.0006

Entries: 4659

Mean: 0.0273 +/- 0.0006

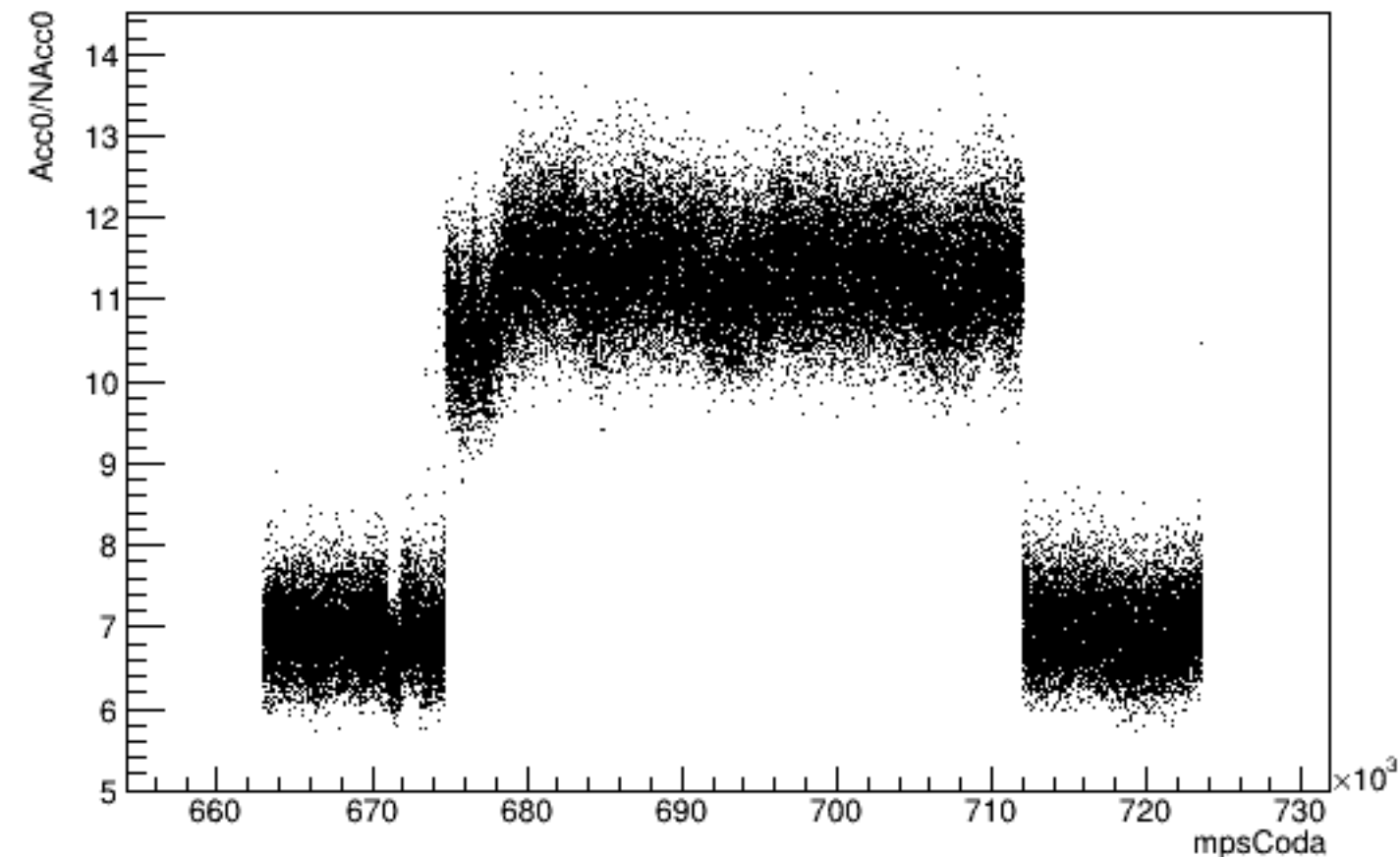
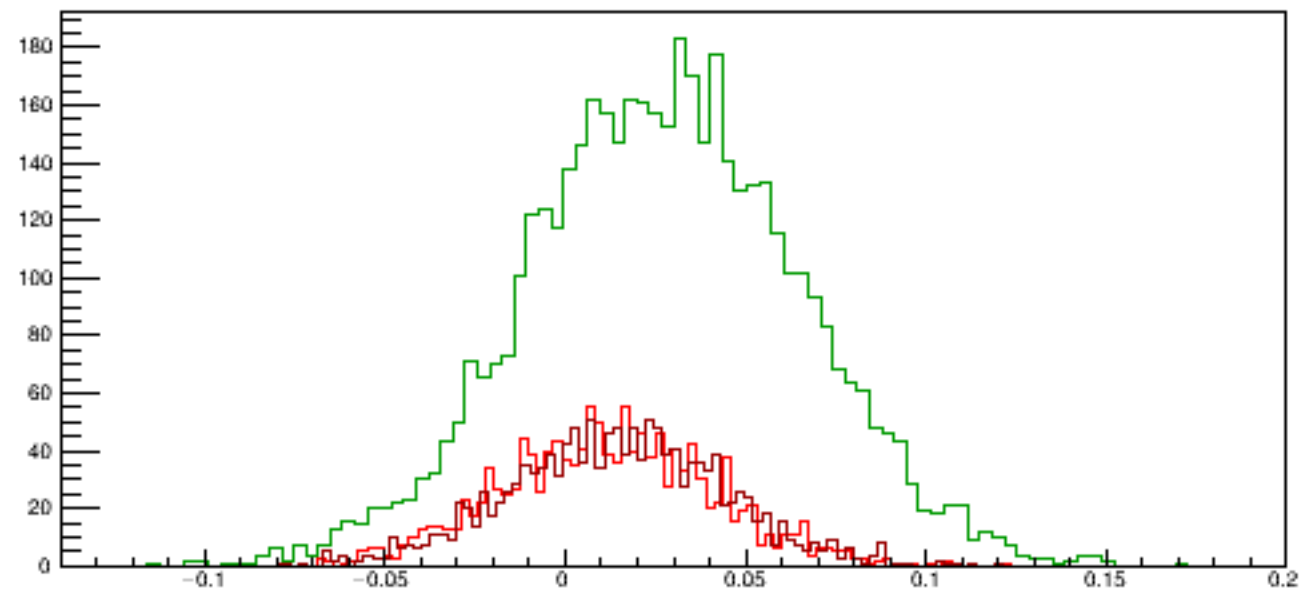
Std Dev: 0.0380 +/- 0.0004

Entries: 1445

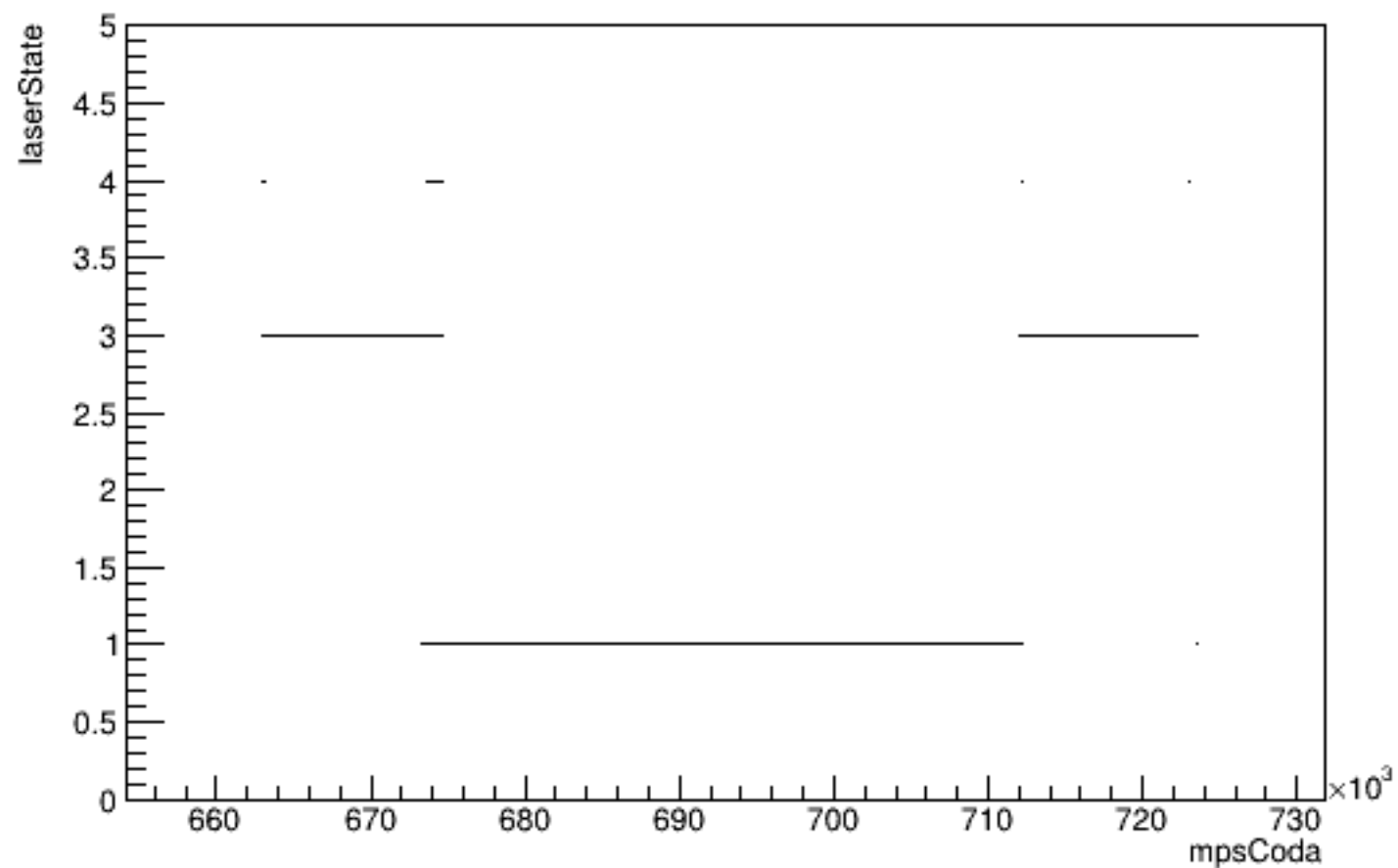
Mean: 0.0141 +/- 0.0008

Std Dev: 0.0299 +/- 0.0006

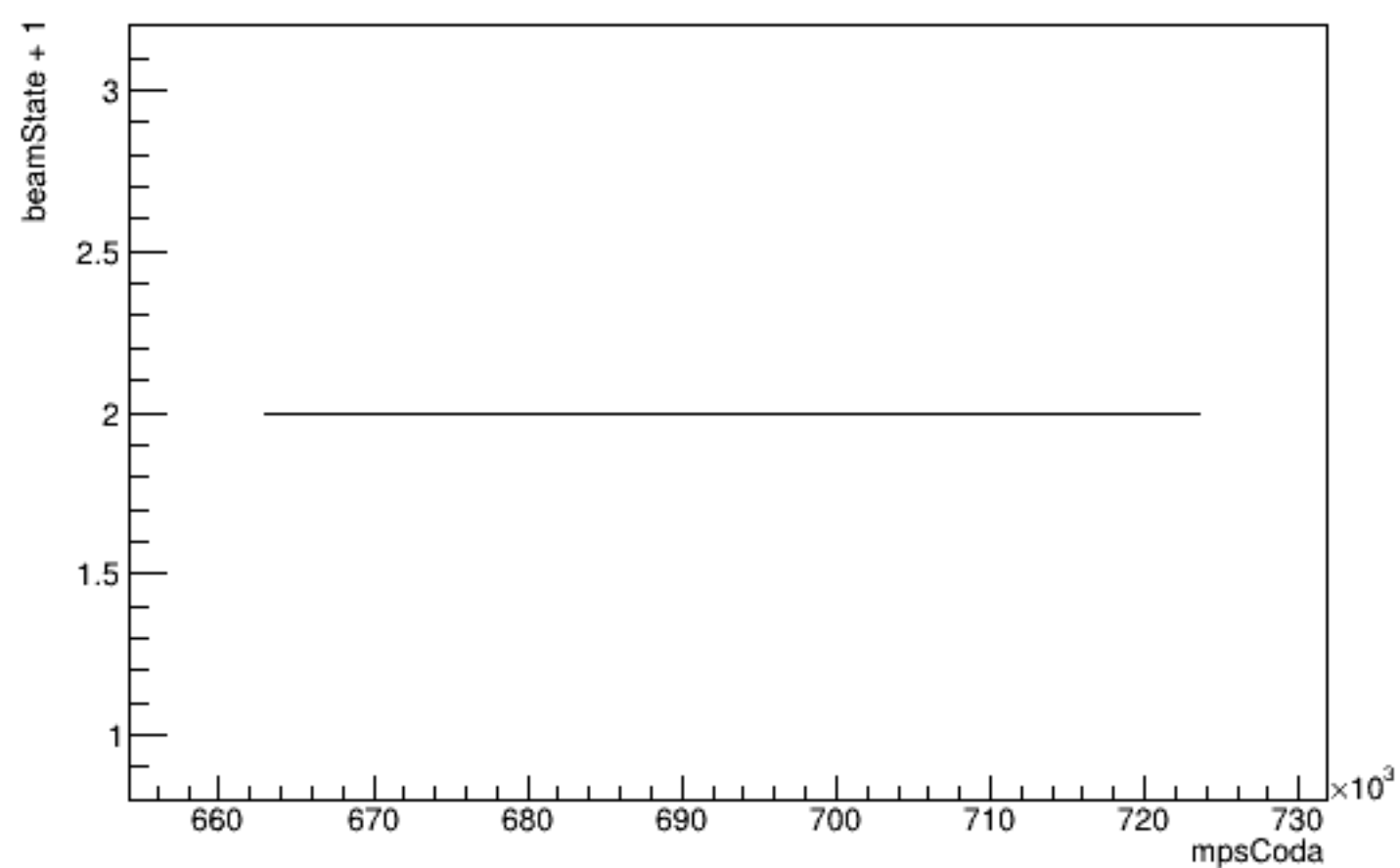
Run 4600 quartetwise, Asyms



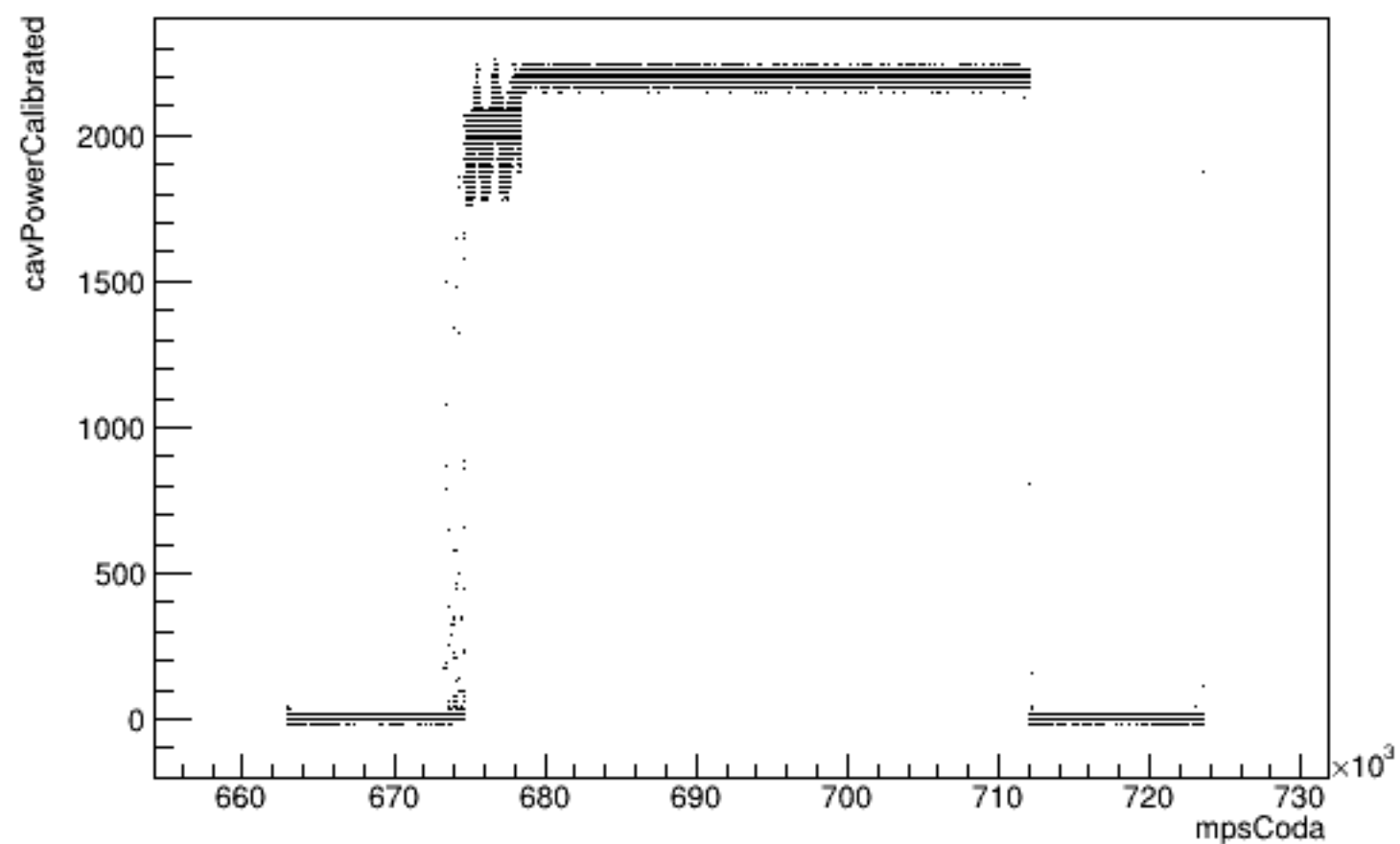
laserState:mpsCoda {mpsCoda>=662966 && mpsCoda<=723597}



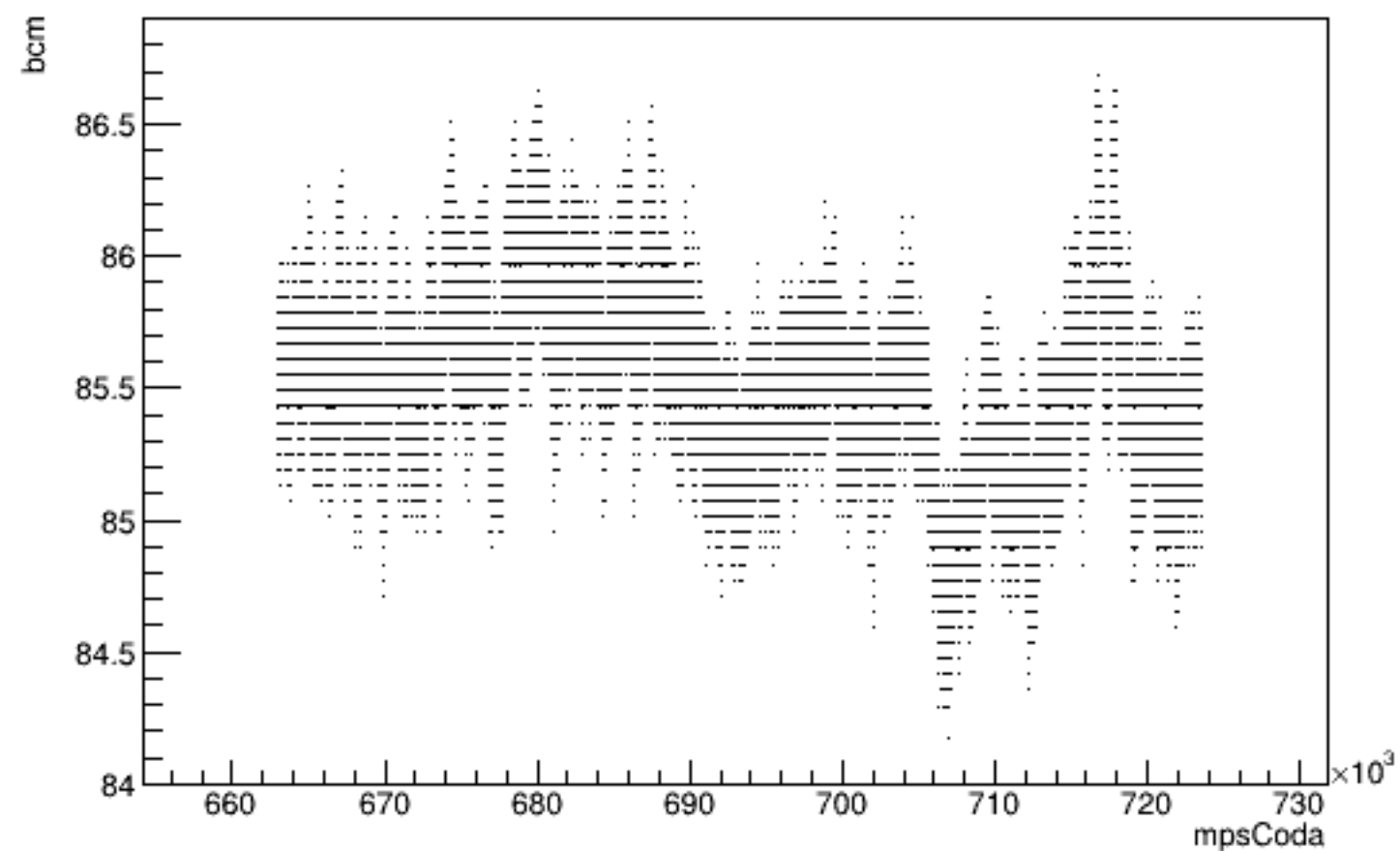
beamState + 1:mpsCoda {mpsCoda>=662966 && mpsCoda<=723597}



cavPowerCalibrated:mpsCoda {mpsCoda>=662966 && mpsCoda<=723597}



bcm:mpsCoda {mpsCoda>=662966 && mpsCoda<=723597}



Cycle 10, Diffs

Entries: 1445

Mean: 0.1226 +/- 0.0068

Std Dev: 0.2597 +/- 0.0048

Entries: 4678

Mean: 0.2151 +/- 0.0048

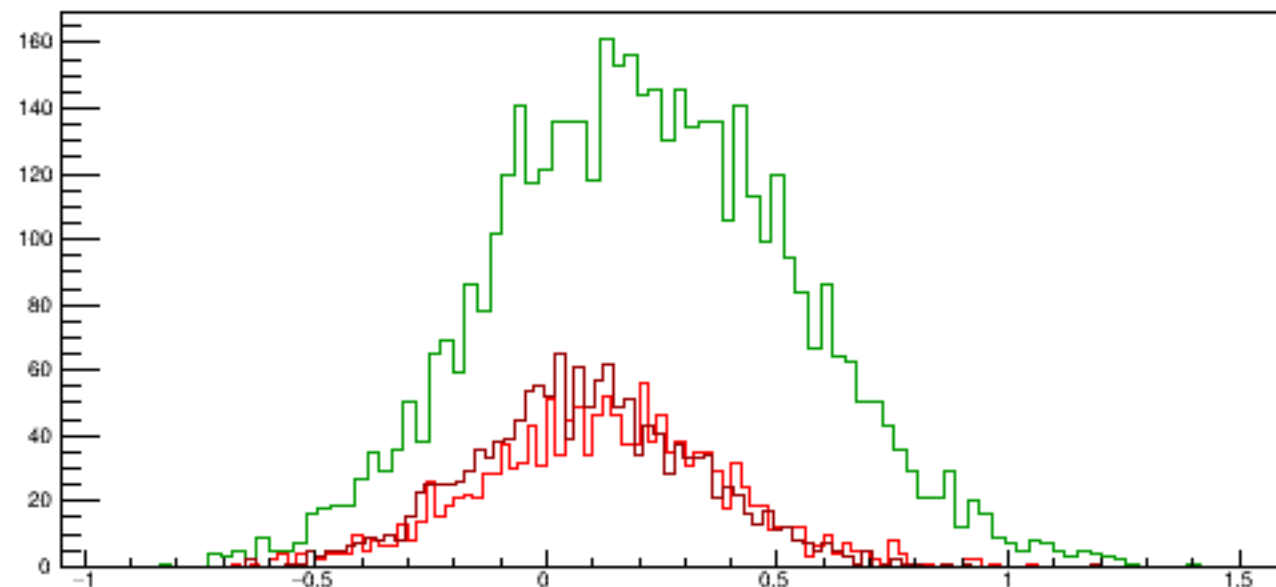
Std Dev: 0.3274 +/- 0.0034

Entries: 1491

Mean: 0.0836 +/- 0.0062

Std Dev: 0.2411 +/- 0.0044

Run 4600 quartetwise, Diffs



Cycle 10, Sums

Entries: 1445

Mean: 13.9577 +/- 0.0078

Std Dev: 0.2968 +/- 0.0055

Entries: 4678

Mean: 22.0401 +/- 0.0183

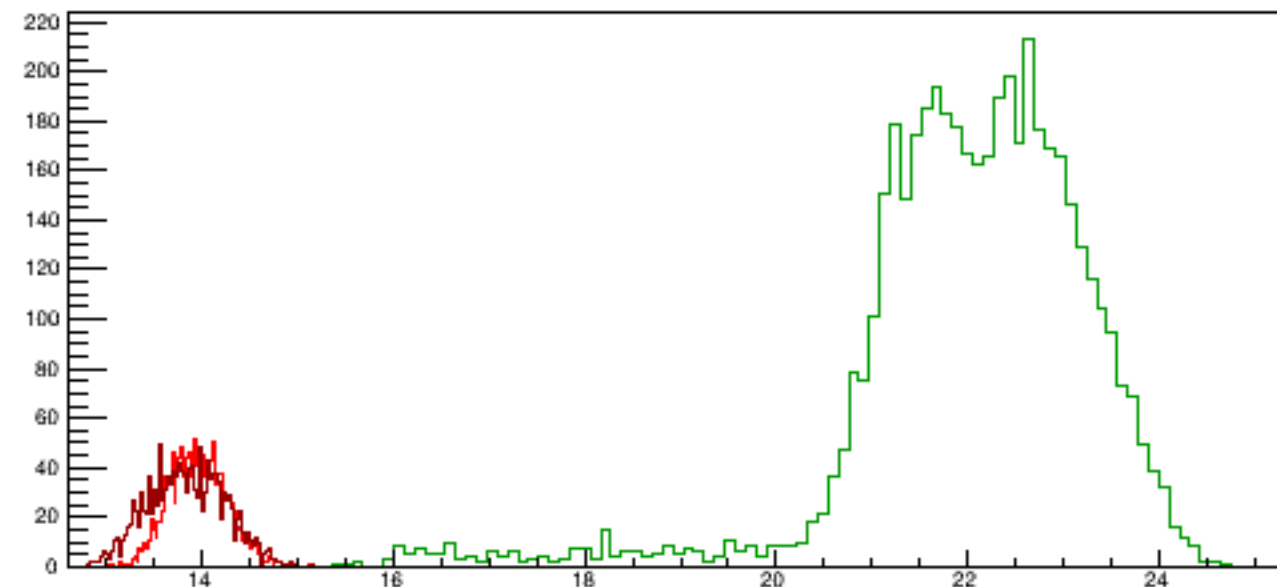
Std Dev: 1.2496 +/- 0.0129

Entries: 1491

Mean: 13.8416 +/- 0.0104

Std Dev: 0.4026 +/- 0.0074

Run 4600 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=711998 && mpsCoda<=772997 && beamState==1)

Cycle 10, Asyms

Entries: 1445

Mean: 0.0151 +/- 0.0008

Std Dev: 0.0319 +/- 0.0006

Entries: 4678

Mean: 0.0264 +/- 0.0006

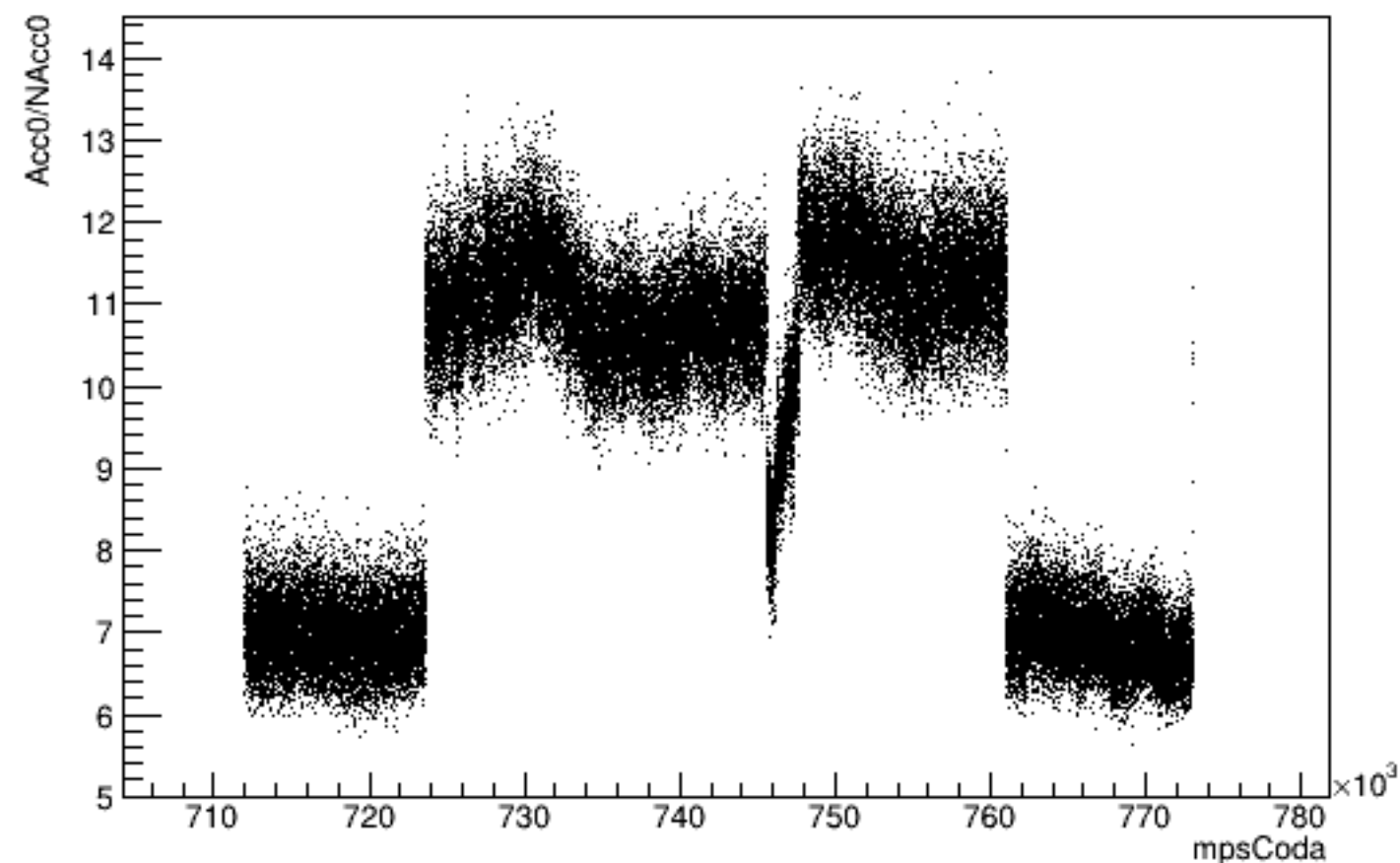
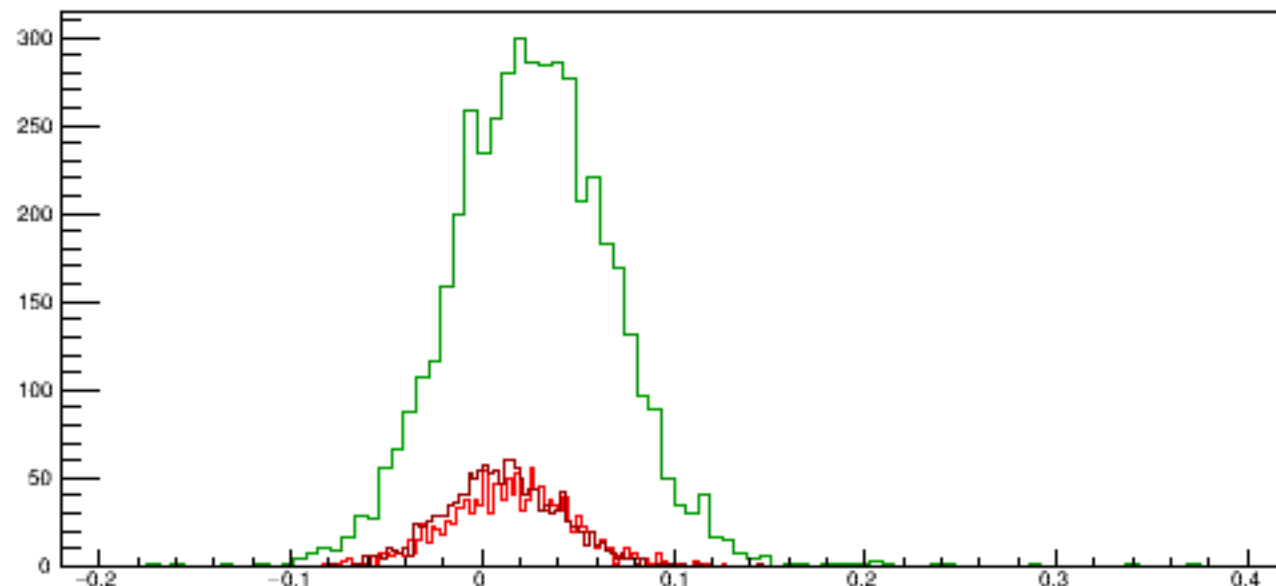
Std Dev: 0.0425 +/- 0.0004

Entries: 1491

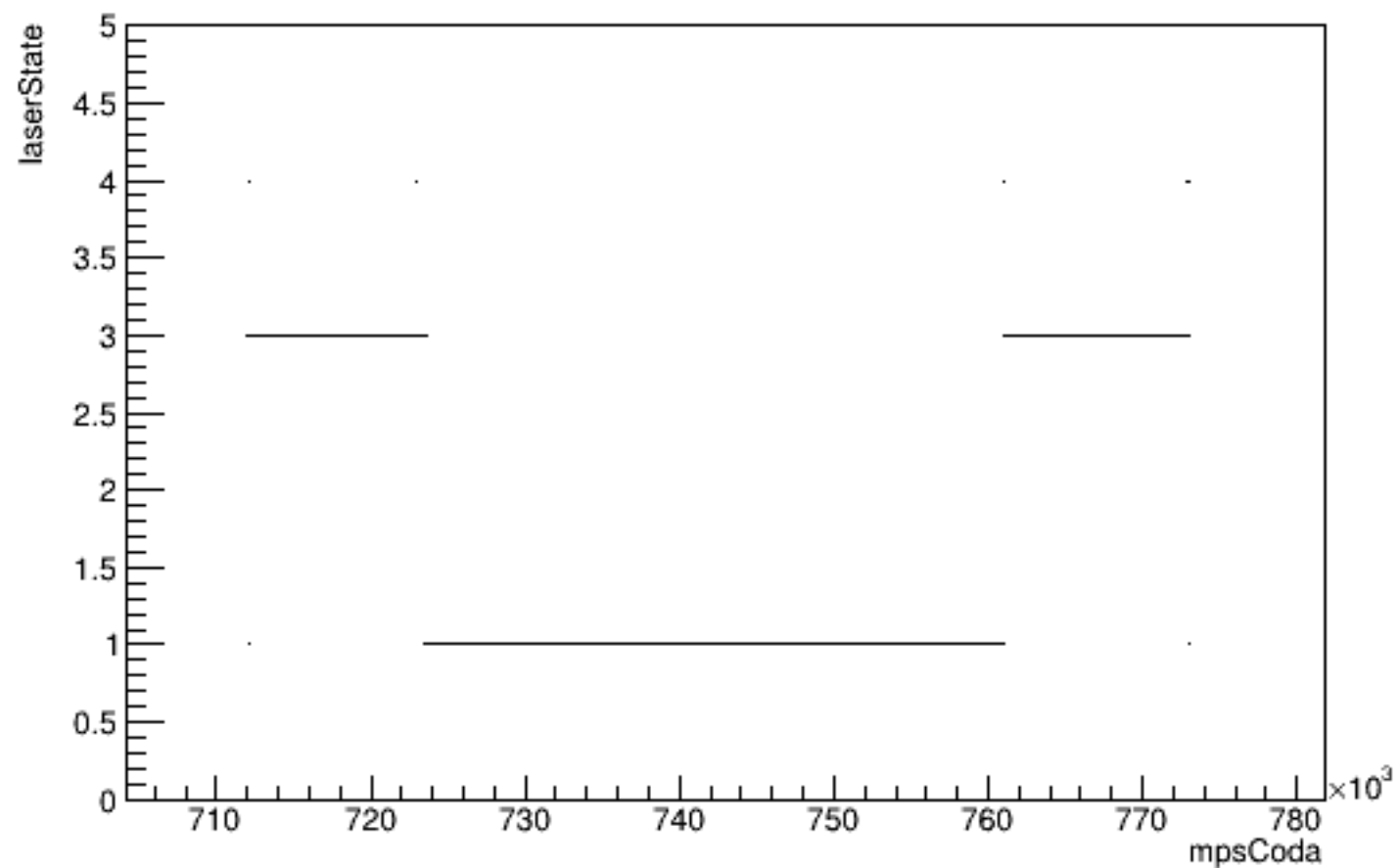
Mean: 0.0103 +/- 0.0008

Std Dev: 0.0296 +/- 0.0005

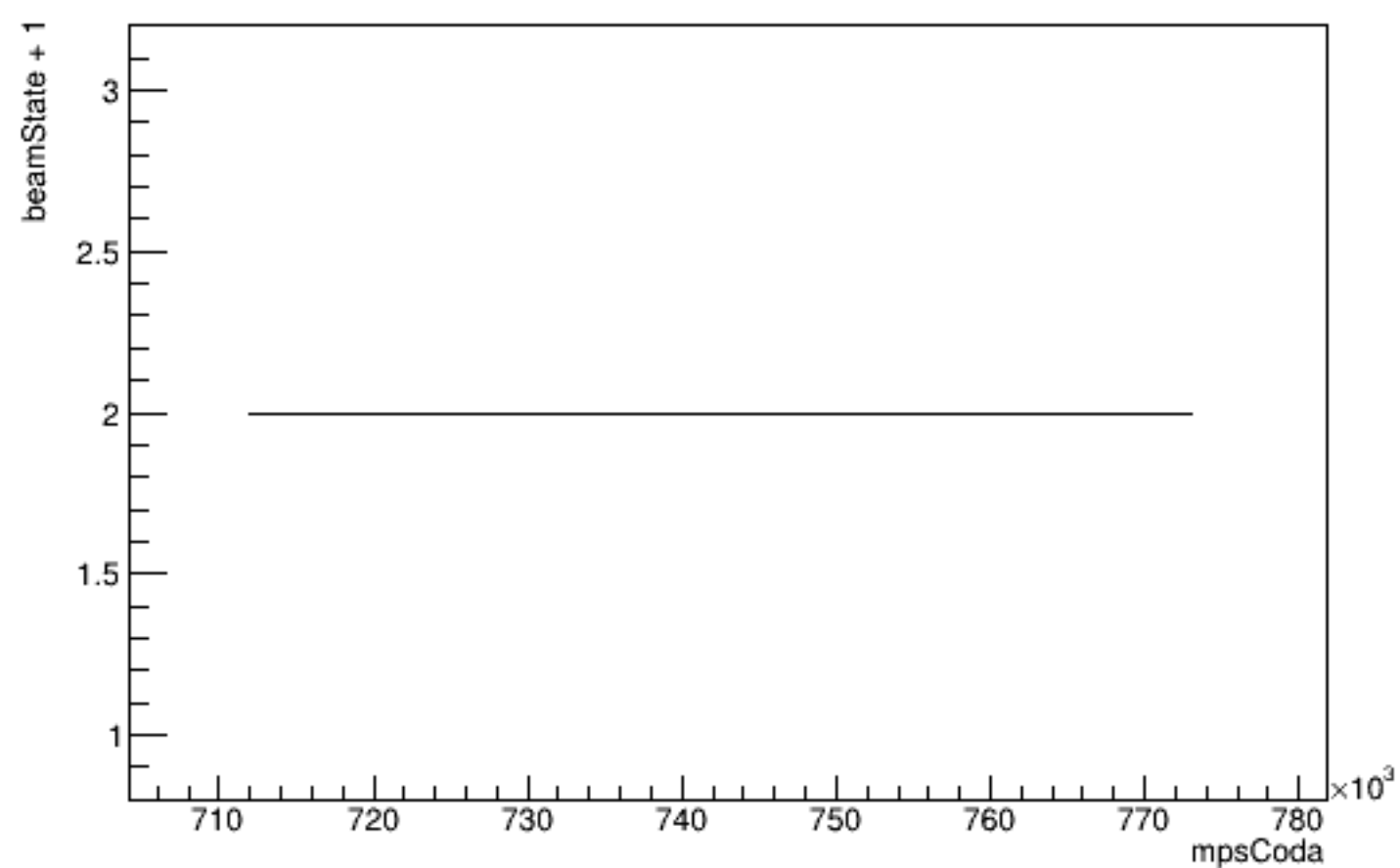
Run 4600 quartetwise, Asyms



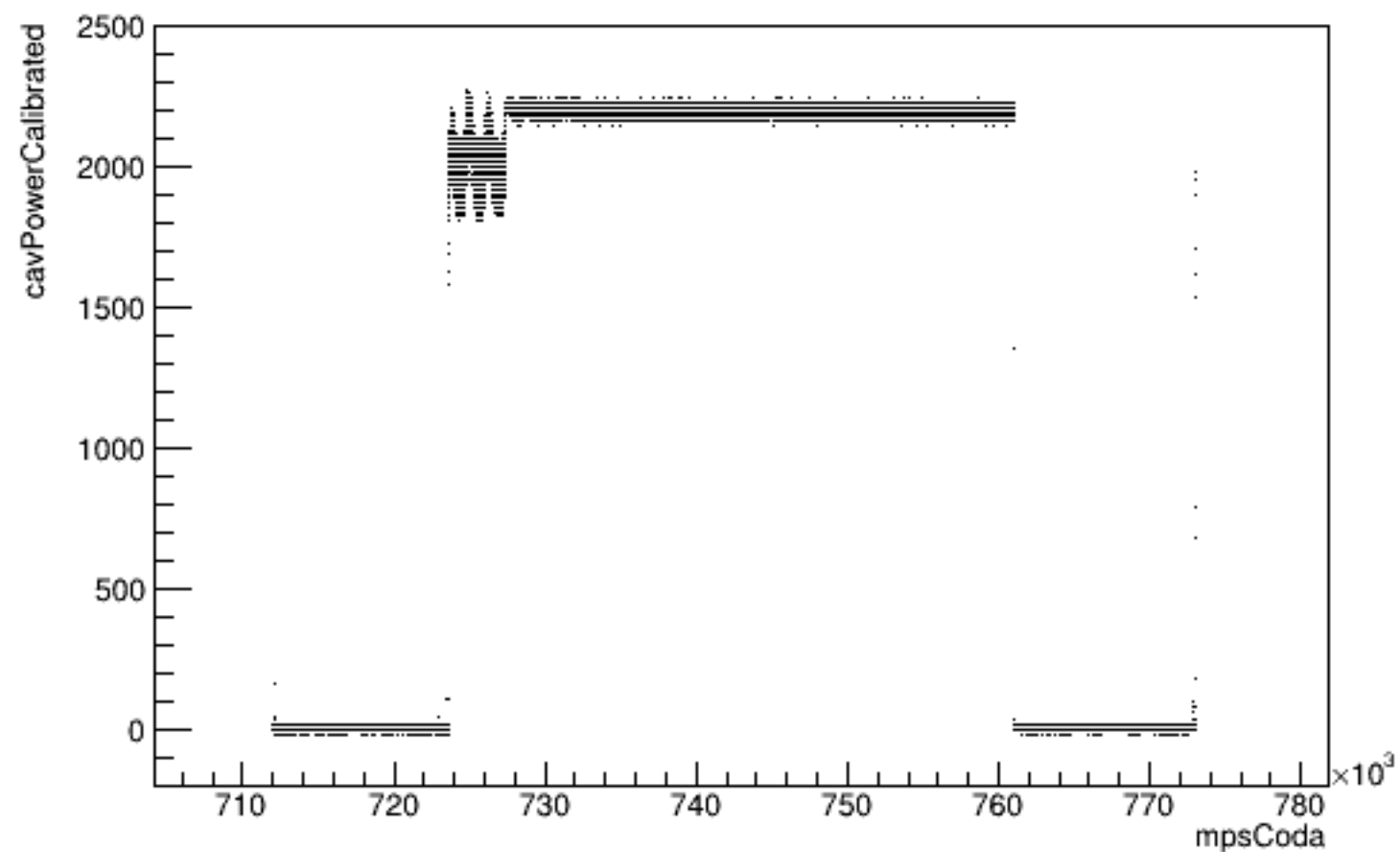
laserState:mpsCoda {mpsCoda>=711998 && mpsCoda<=772997}



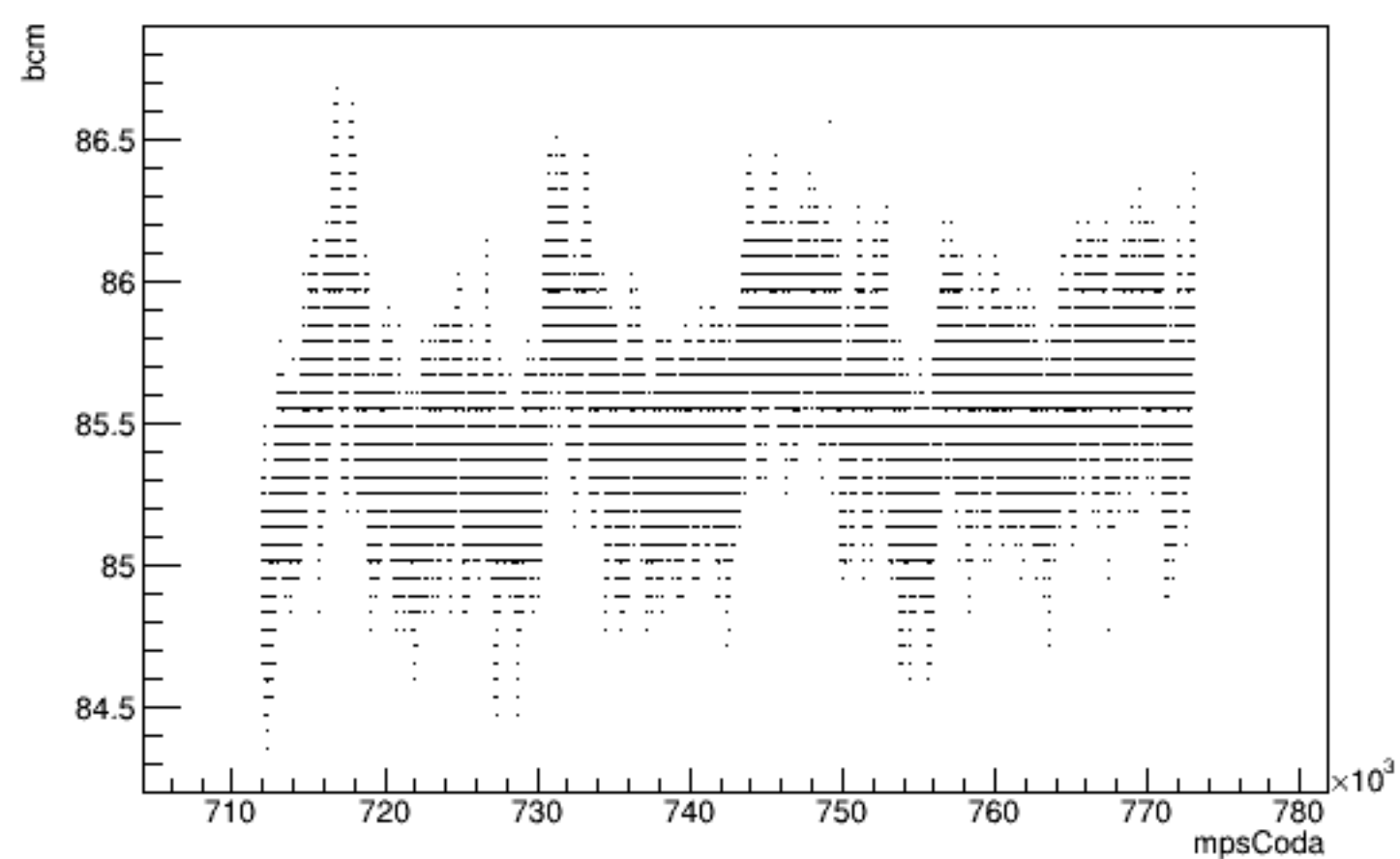
beamState + 1:mpsCoda {mpsCoda>=711998 && mpsCoda<=772997}



cavPowerCalibrated:mpsCoda {mpsCoda>=711998 && mpsCoda<=772997}



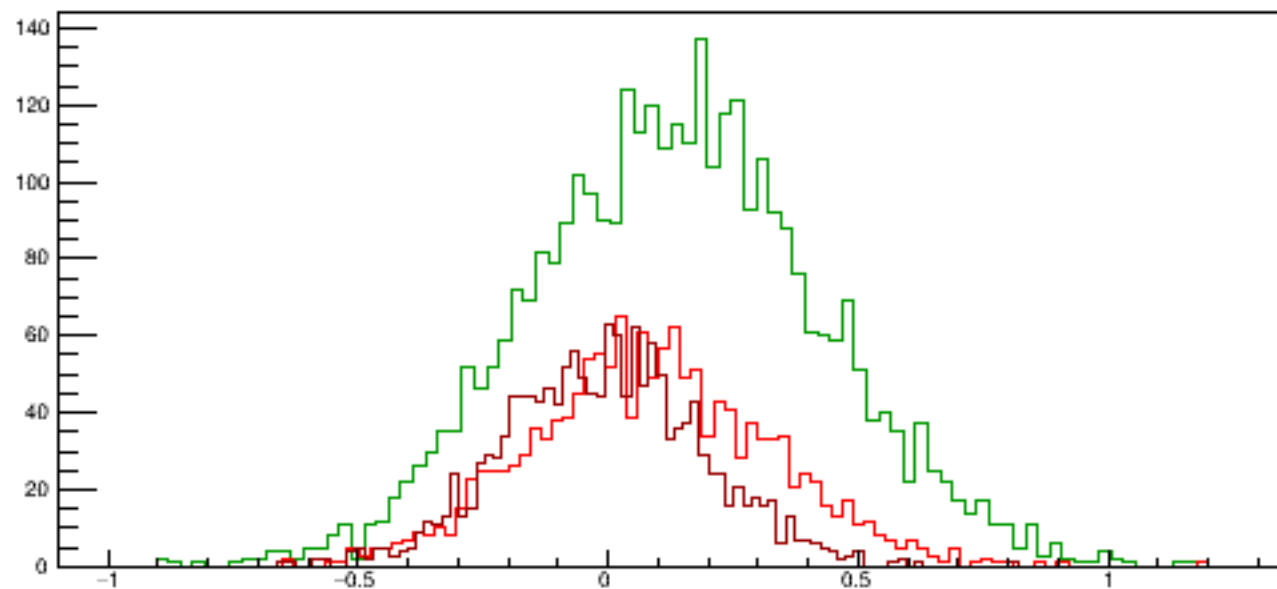
bcm:mpsCoda {mpsCoda>=711998 && mpsCoda<=772997}



Cycle 11, Diffs

Entries: 1491	Entries: 3470	Entries: 1539
Mean: 0.0836 +/- 0.0062	Mean: 0.1349 +/- 0.0049	Mean: -0.0078 +/- 0.0050
Std Dev: 0.2411 +/- 0.0044	Std Dev: 0.2915 +/- 0.0035	Std Dev: 0.1972 +/- 0.0036

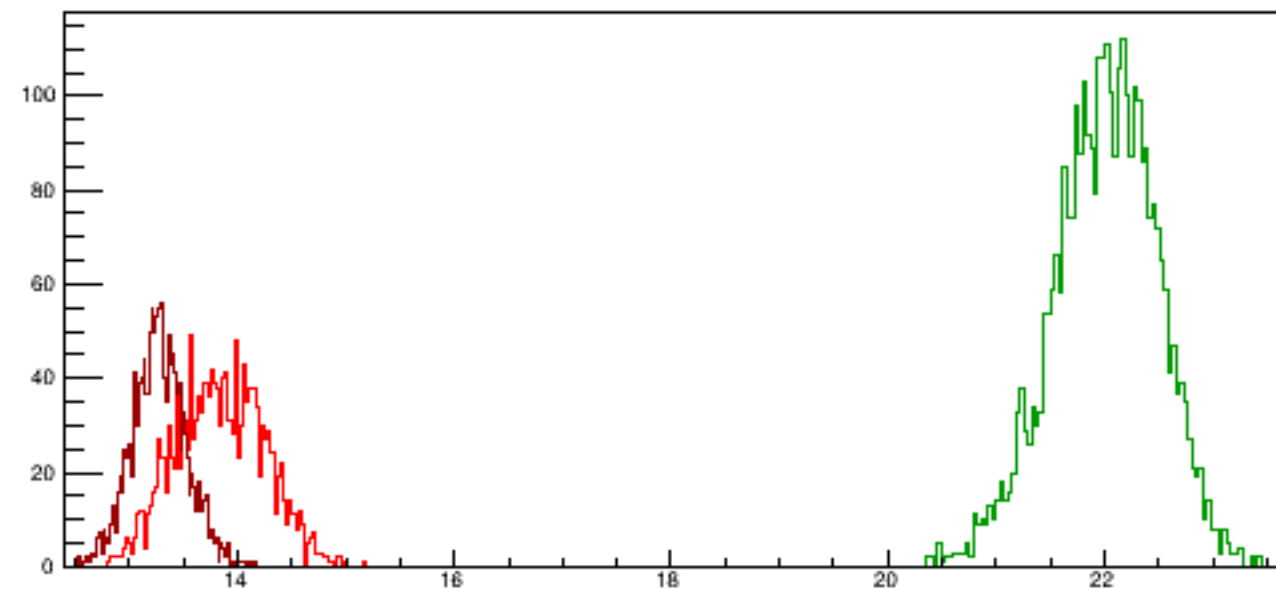
Run 4600 quartetwise, Diffs



Cycle 11, Sums

Entries: 1491	Entries: 3470	Entries: 1539
Mean: 13.8416 +/- 0.0104	Mean: 22.0028 +/- 0.0081	Mean: 13.2808 +/- 0.0063
Std Dev: 0.4026 +/- 0.0074	Std Dev: 0.4792 +/- 0.0058	Std Dev: 0.2490 +/- 0.0045

Run 4600 quartetwise, Sums

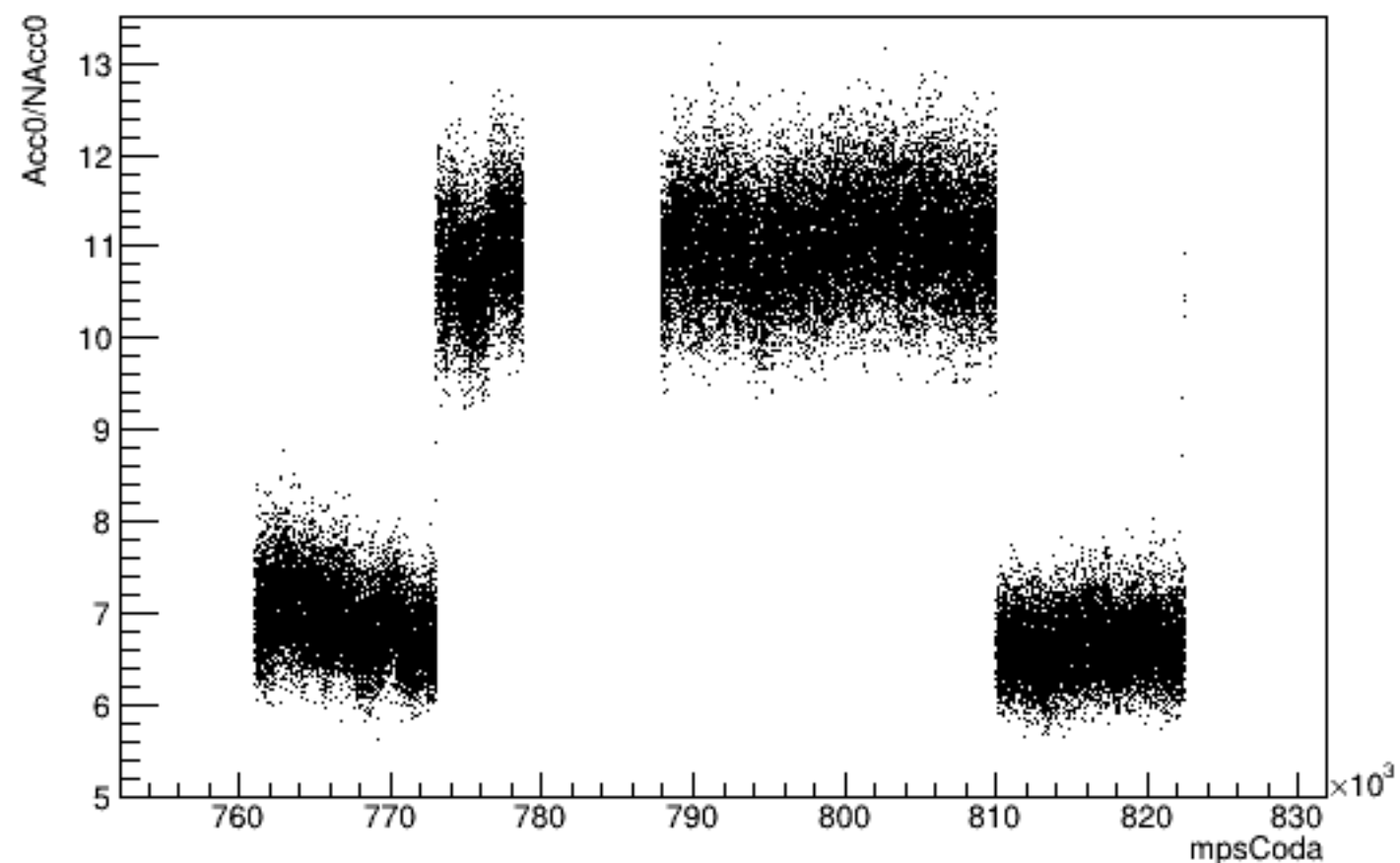
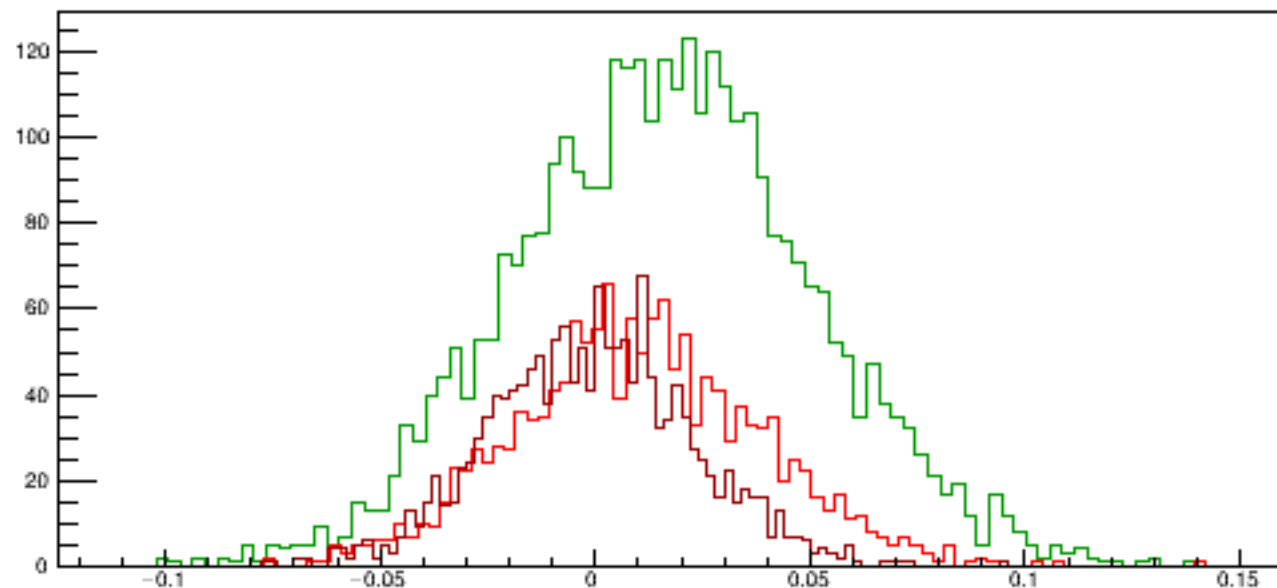


Acc0/NAcc0:mpsCoda (mpsCoda>=761030 && mpsCoda<=822469 && beamState==1)

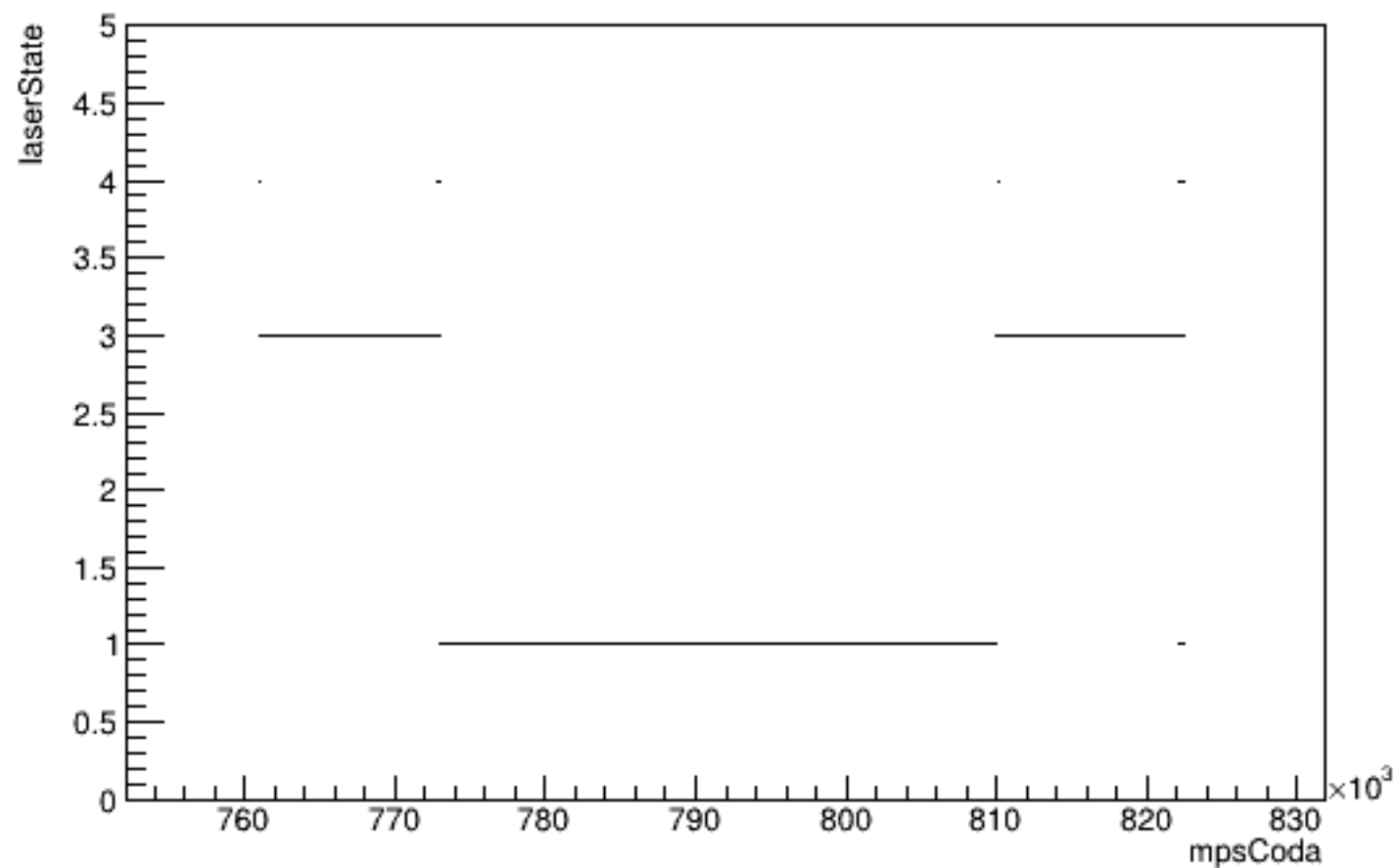
Cycle 11, Asyms

Entries: 1491	Entries: 3470	Entries: 1539
Mean: 0.0099 +/- 0.0007	Mean: 0.0160 +/- 0.0006	Mean: -0.0009 +/- 0.0006
Std Dev: 0.0286 +/- 0.0005	Std Dev: 0.0346 +/- 0.0004	Std Dev: 0.0234 +/- 0.0004

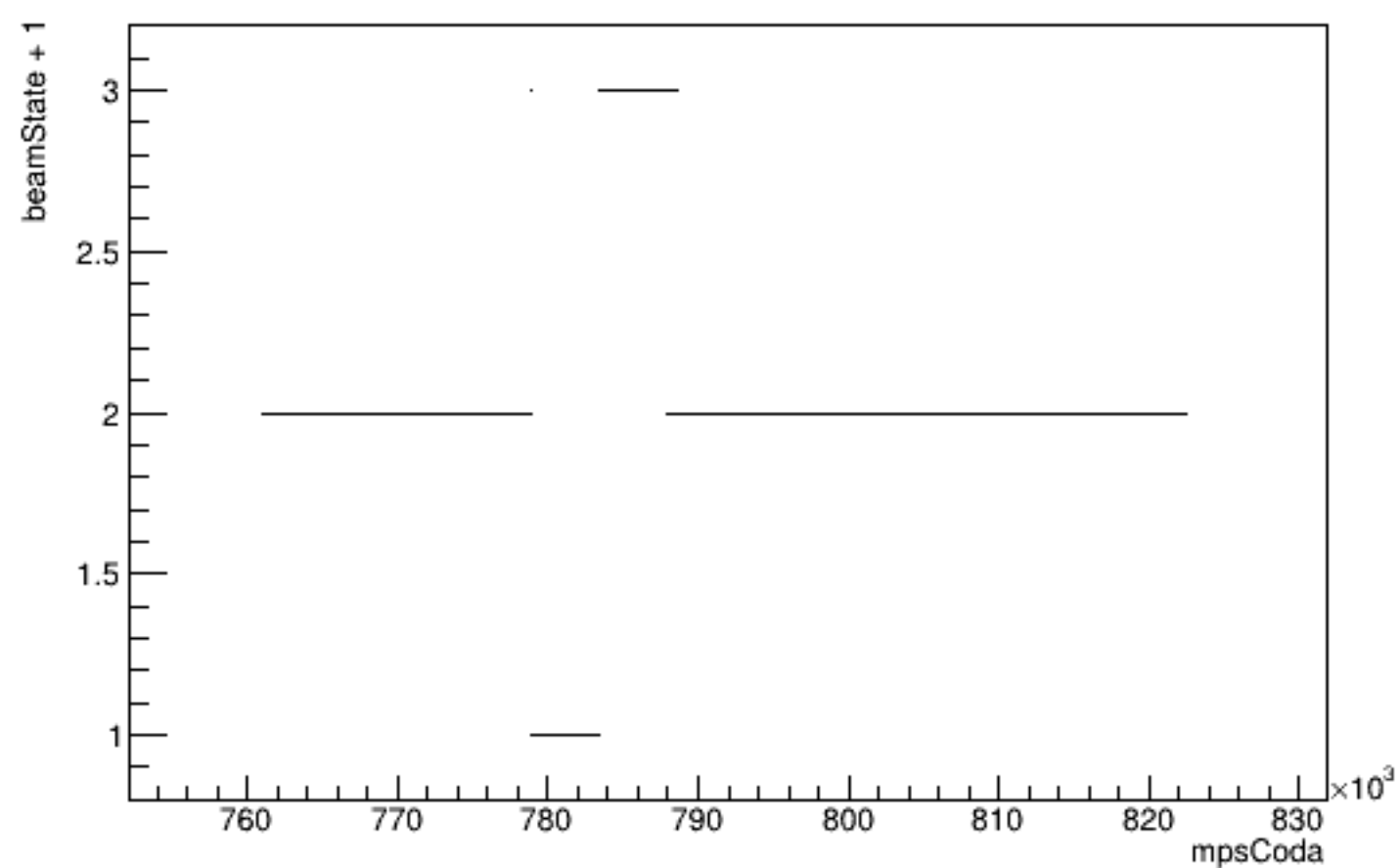
Run 4600 quartetwise, Asyms



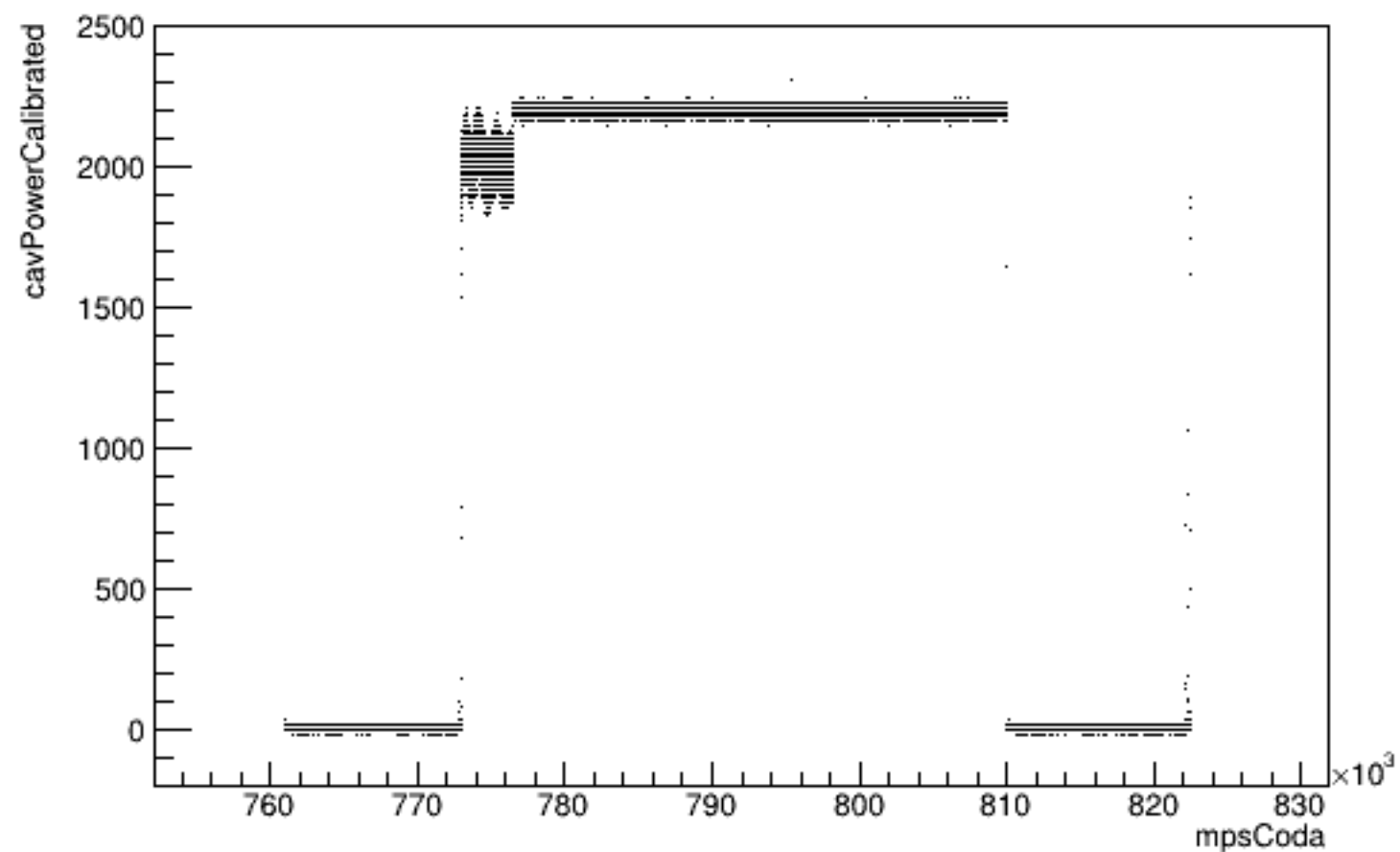
laserState:mpsCoda {mpsCoda>=761030 && mpsCoda<=822469}



beamState + 1:mpsCoda {mpsCoda>=761030 && mpsCoda<=822469}



cavPowerCalibrated:mpsCoda {mpsCoda>=761030 && mpsCoda<=822469}



bcm:mpsCoda {mpsCoda>=761030 && mpsCoda<=822469}

