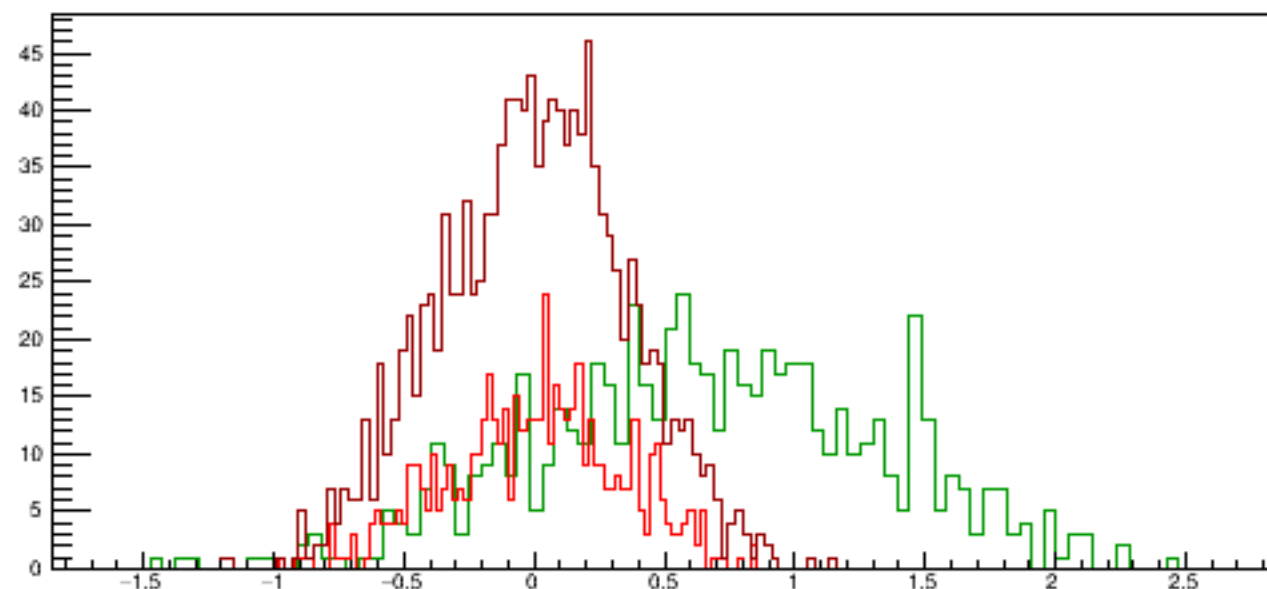


Cycle 1, Diffs

Entries: 551	Entries: 648	Entries: 1316
Mean: -0.0027 +/- 0.0143	Mean: 0.6636 +/- 0.0259	Mean: -0.0013 +/- 0.0099
Std Dev: 0.3349 +/- 0.0101	Std Dev: 0.6602 +/- 0.0183	Std Dev: 0.3576 +/- 0.0070

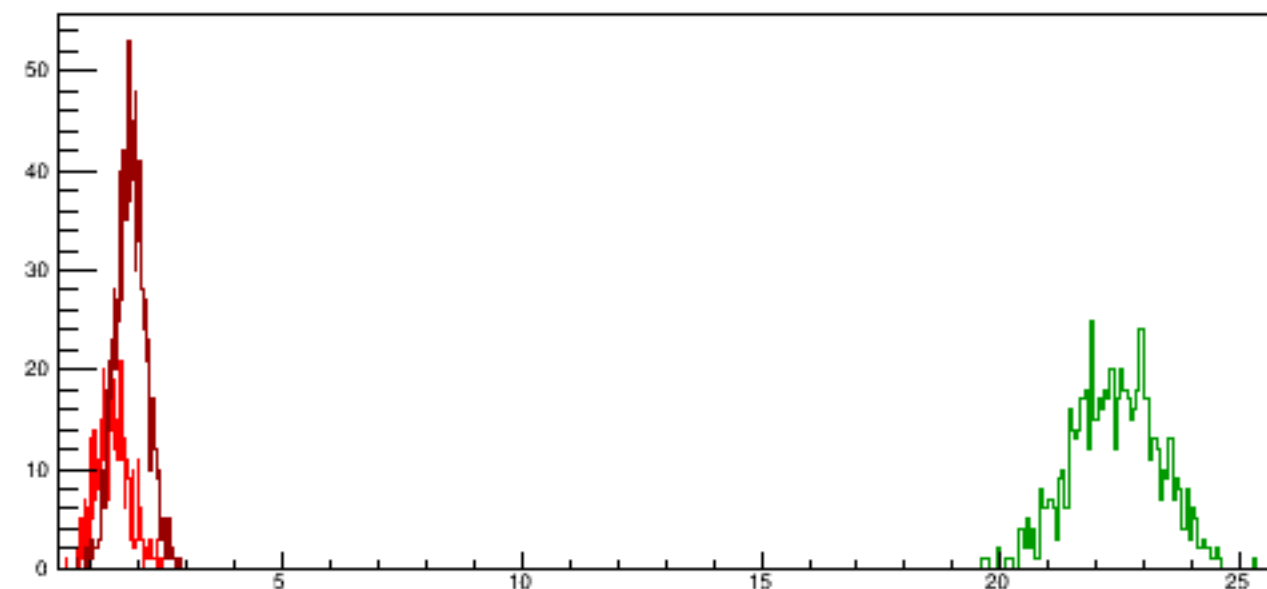
Run 5204 quartetwise, Diffs



Cycle 1, Sums

Entries: 551	Entries: 648	Entries: 1316
Mean: 1.4503 +/- 0.0143	Mean: 22.3933 +/- 0.0360	Mean: 1.8230 +/- 0.0087
Std Dev: 0.3356 +/- 0.0101	Std Dev: 0.9160 +/- 0.0254	Std Dev: 0.3150 +/- 0.0061

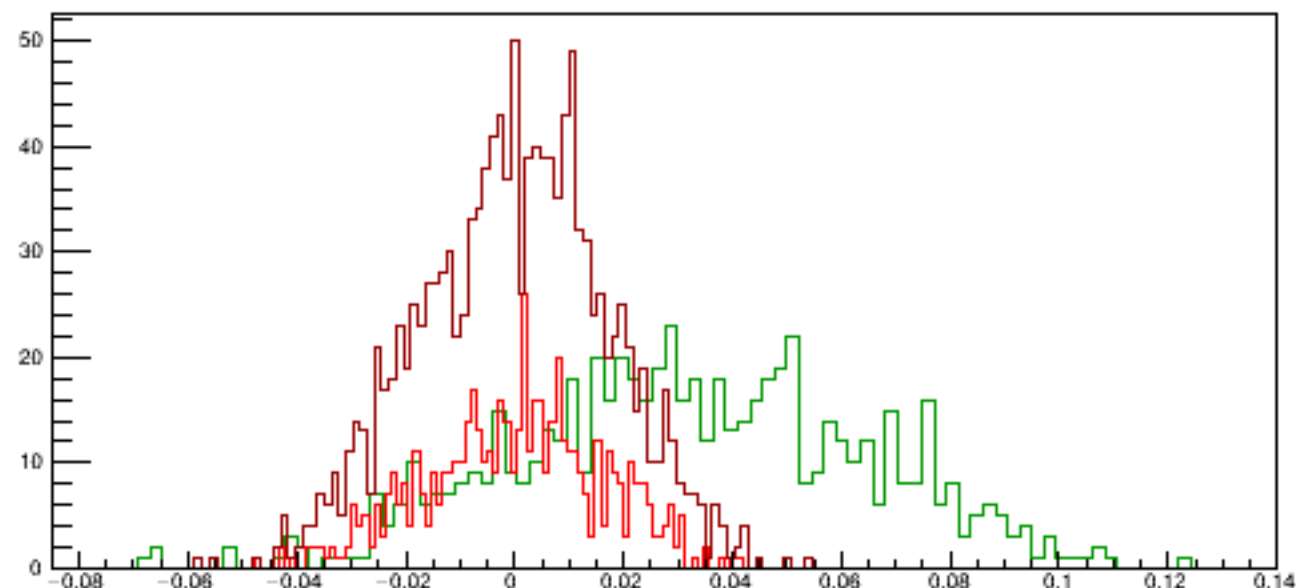
Run 5204 quartetwise, Sums



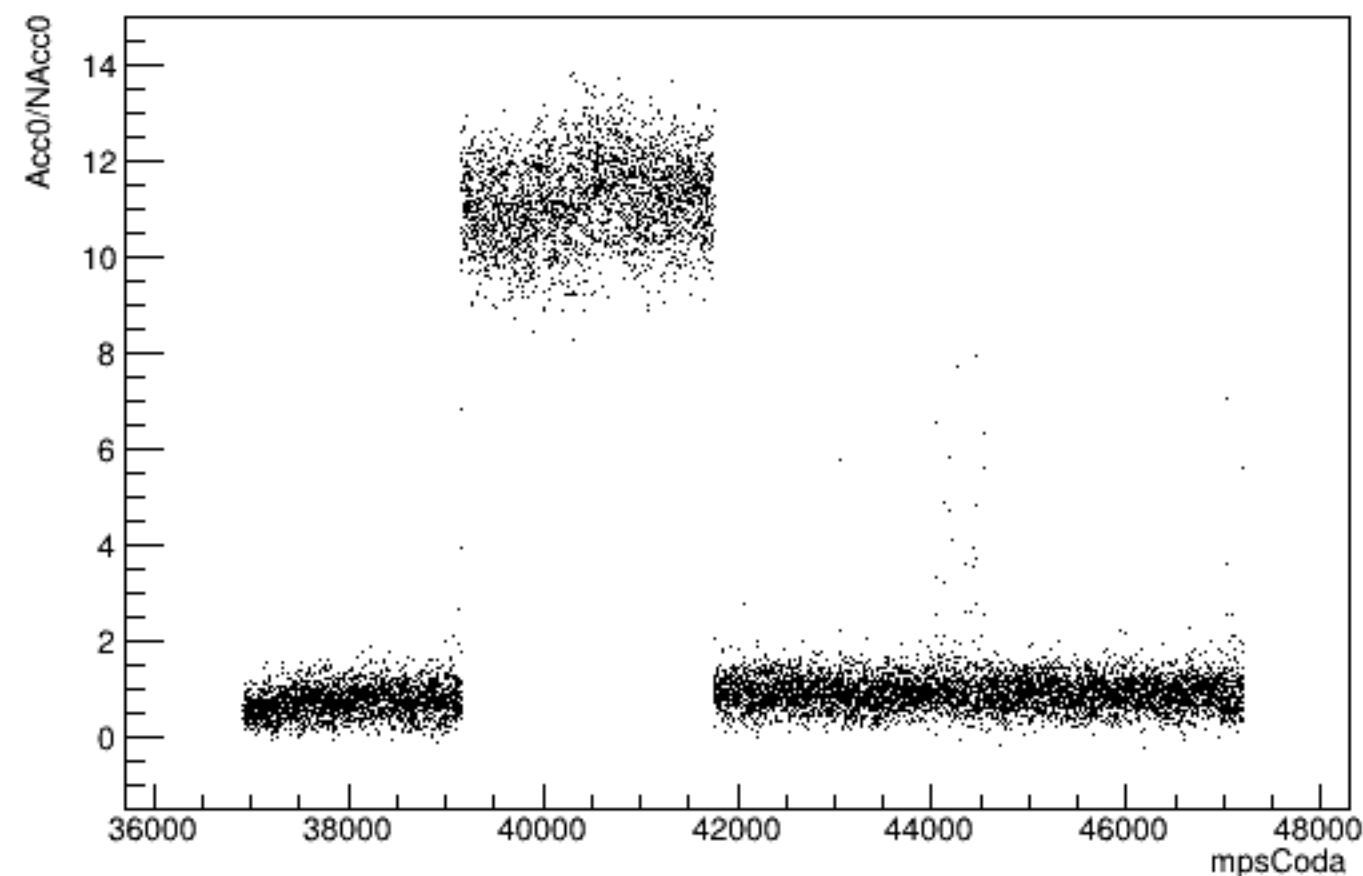
Cycle 1, Asyms

Entries: 551	Entries: 648	Entries: 1316
Mean: -0.0001 +/- 0.0007	Mean: 0.0321 +/- 0.0013	Mean: -0.0001 +/- 0.0005
Std Dev: 0.0161 +/- 0.0005	Std Dev: 0.0320 +/- 0.0009	Std Dev: 0.0172 +/- 0.0003

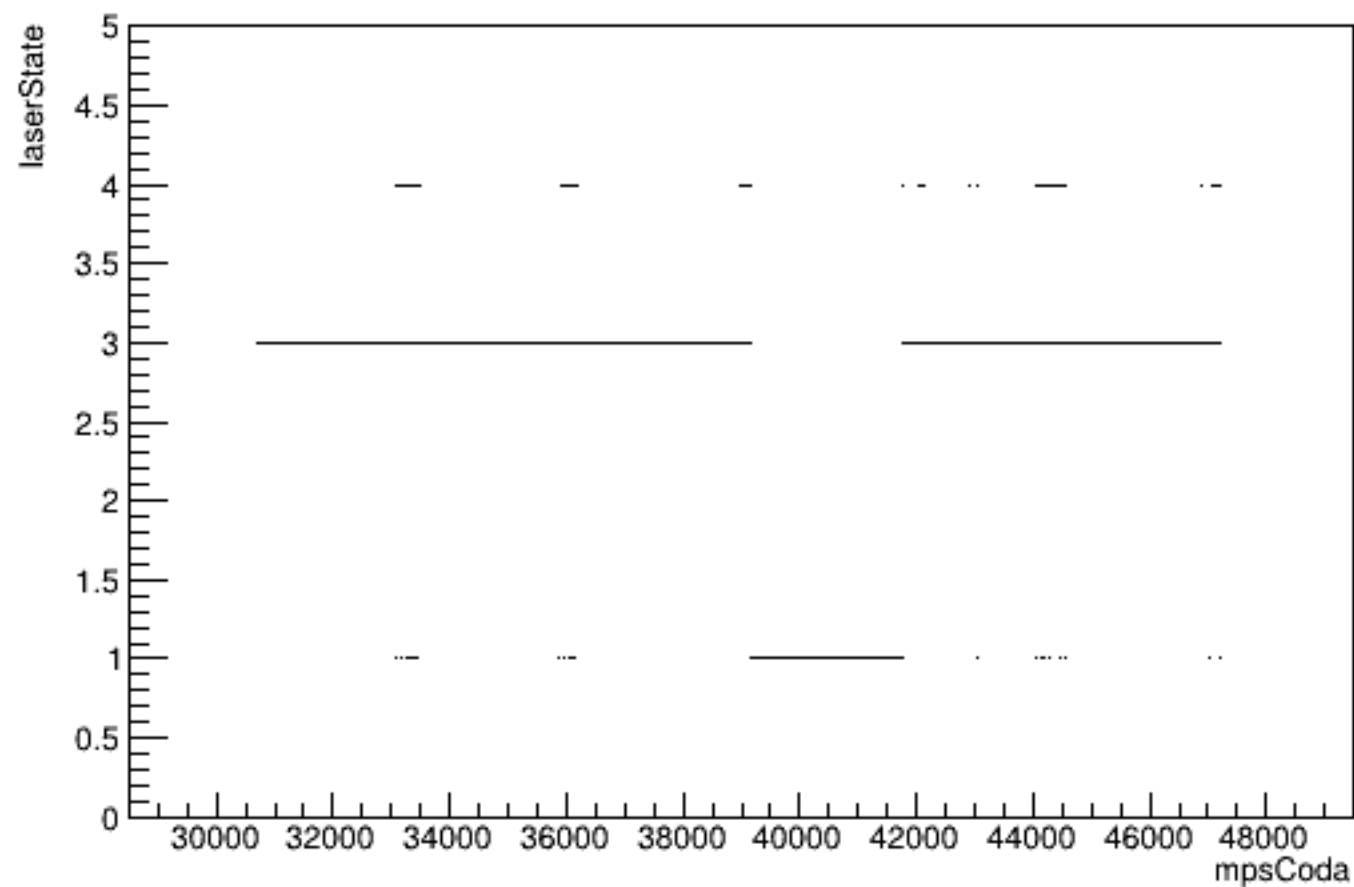
Run 5204 quartetwise, Asyms



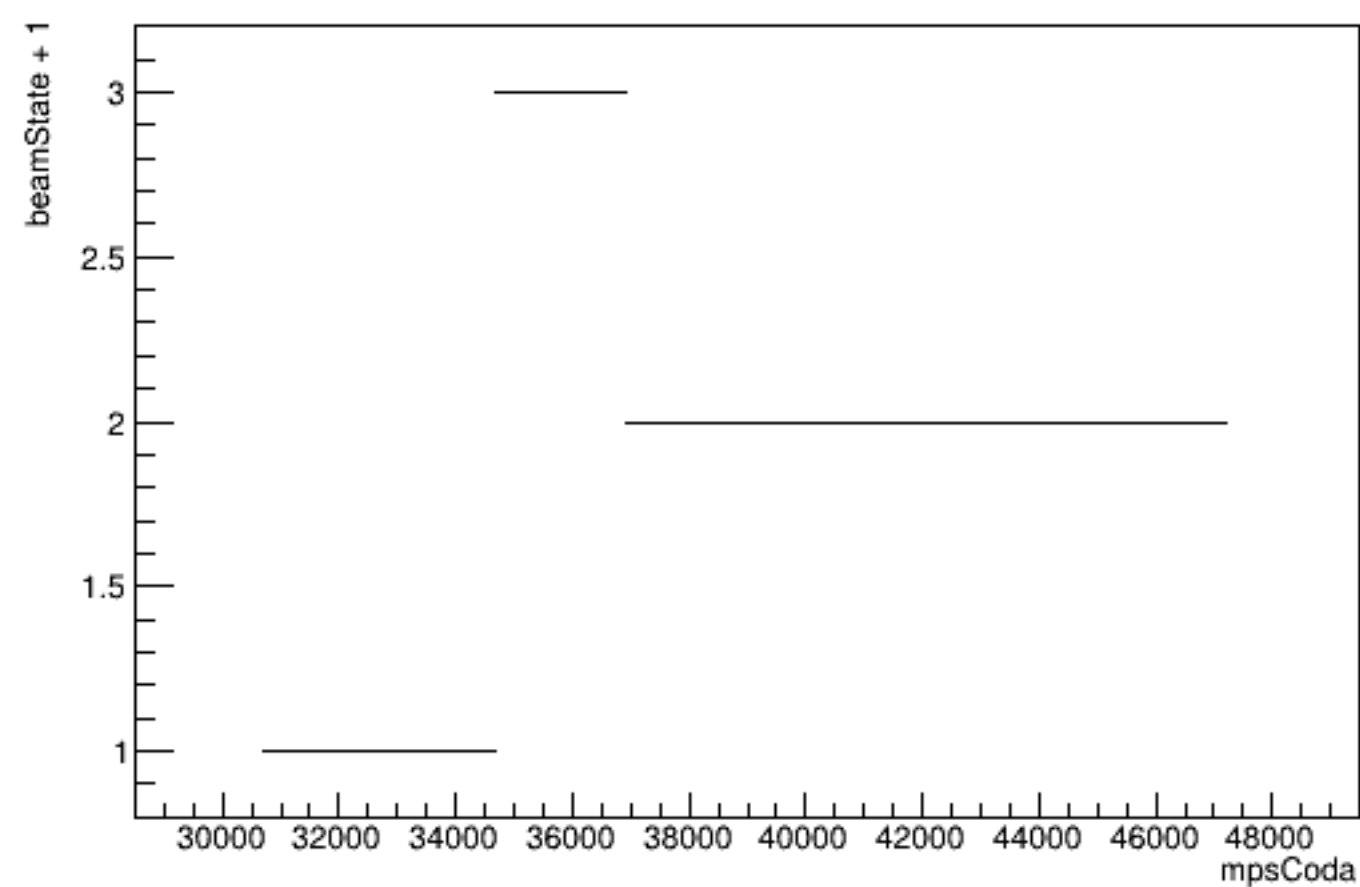
Acc0/NAcc0:mpsCoda {mpsCoda>=30716 && mpsCoda<=47207 && beamState==1}



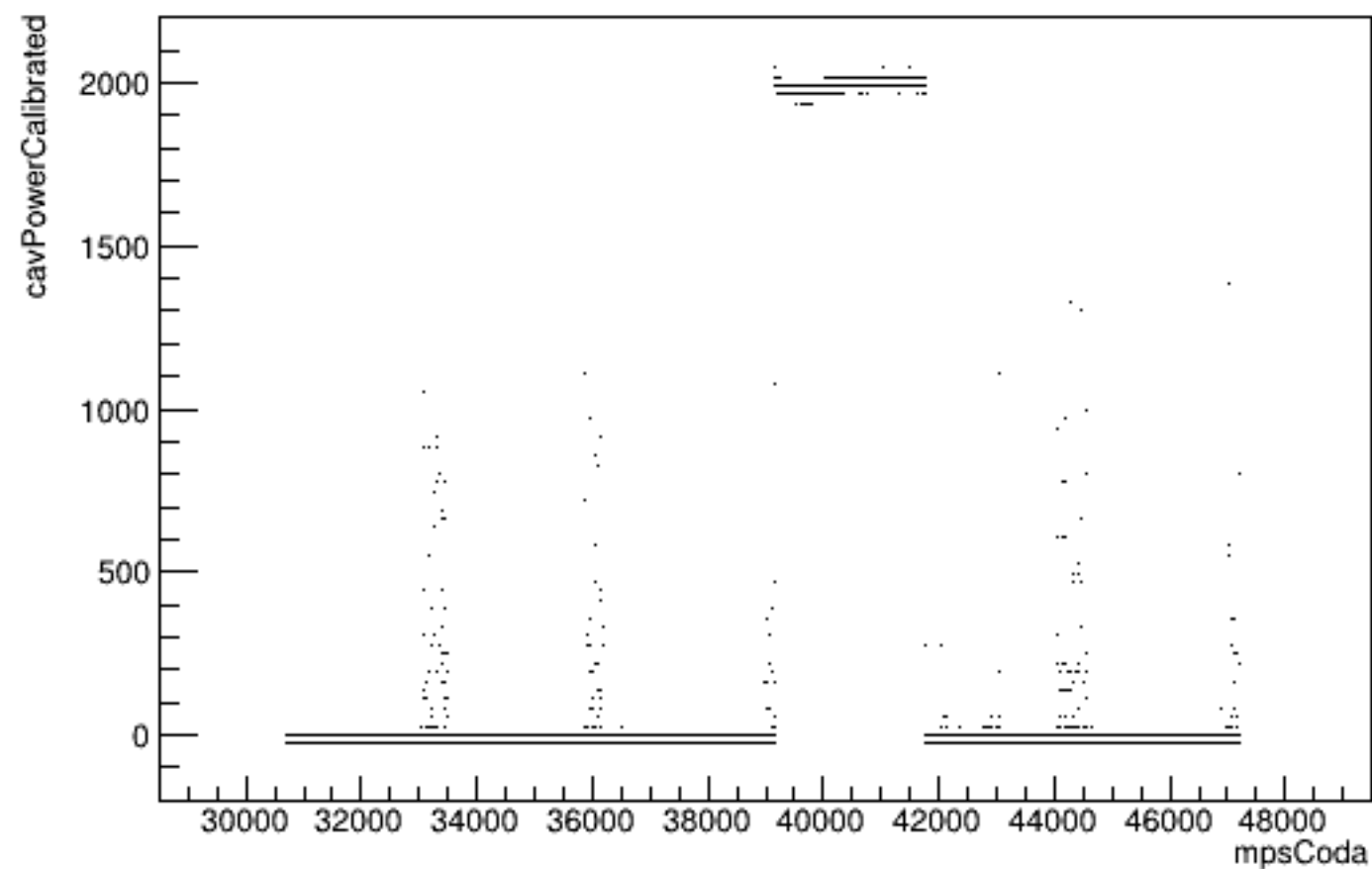
laserState:mpsCoda {mpsCoda>=30716 && mpsCoda<=47207}



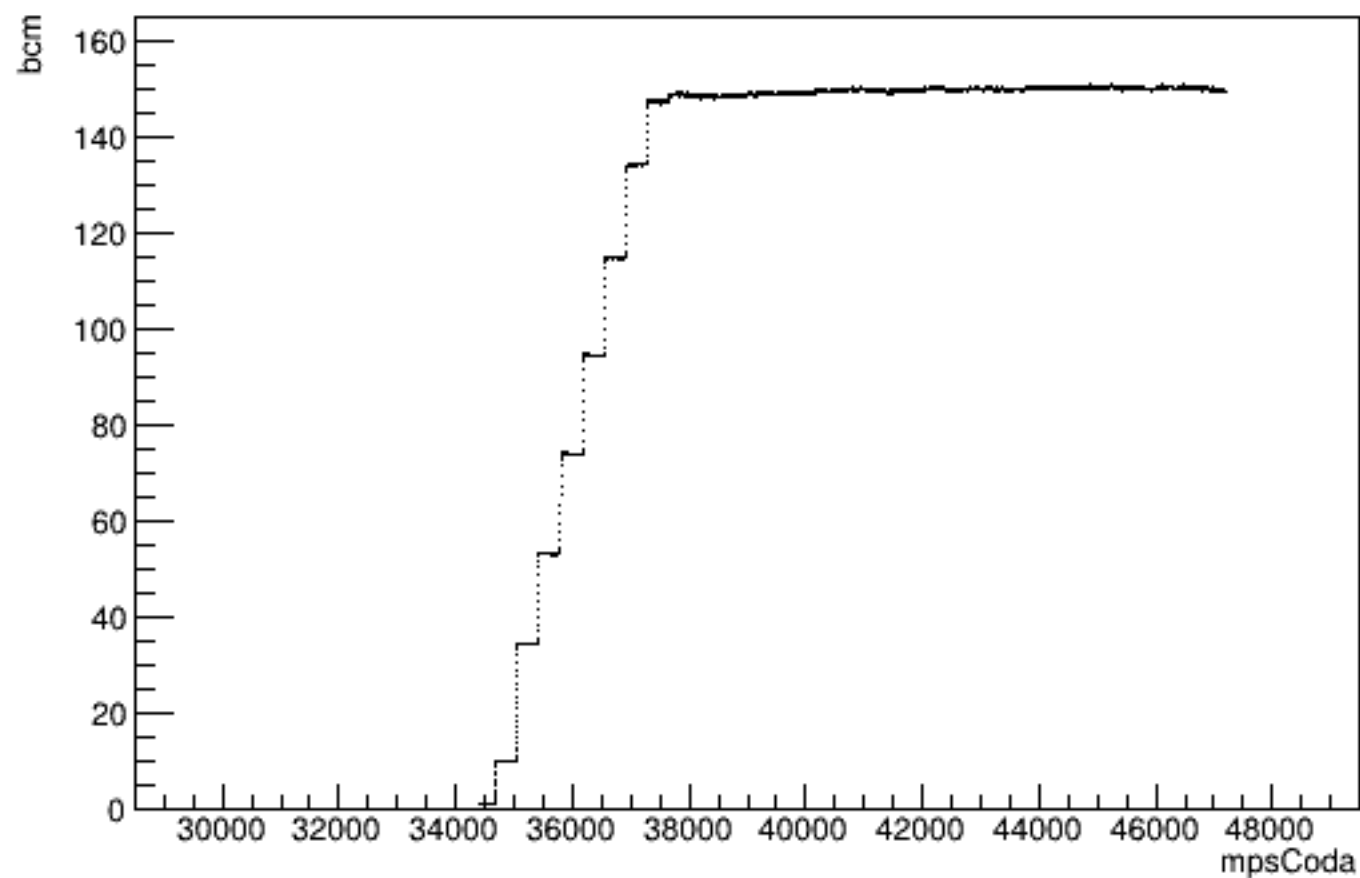
beamState + 1:mpsCoda {mpsCoda>=30716 && mpsCoda<=47207}



cavPowerCalibrated:mpsCoda {mpsCoda>=30716 && mpsCoda<=47207}



bcm:mpsCoda {mpsCoda>=30716 && mpsCoda<=47207}



Cycle 2, Diffs

Entries: 1316

Mean: -0.0013 +/- 0.0099

Std Dev: 0.3576 +/- 0.0070

Entries: 740

Mean: 0.6038 +/- 0.0241

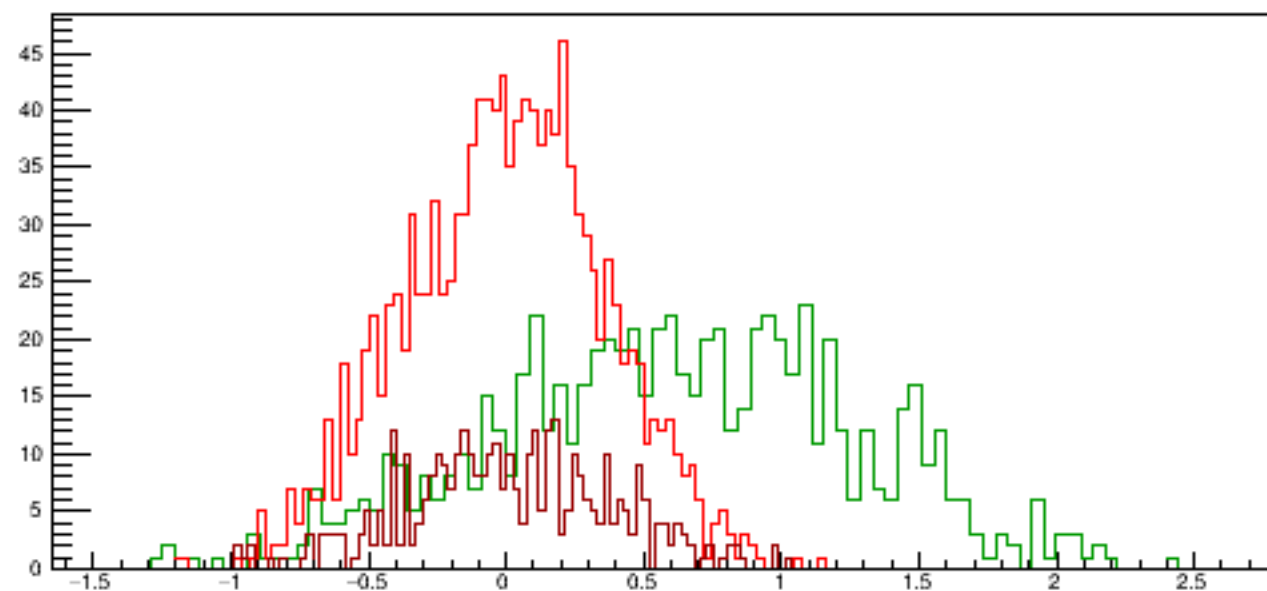
Std Dev: 0.6561 +/- 0.0171

Entries: 375

Mean: 0.0132 +/- 0.0193

Std Dev: 0.3741 +/- 0.0137

Run 5204 quartetwise, Diffs



Cycle 2, Sums

Entries: 1316

Mean: 1.8230 +/- 0.0087

Std Dev: 0.3150 +/- 0.0061

Entries: 740

Mean: 22.0201 +/- 0.0324

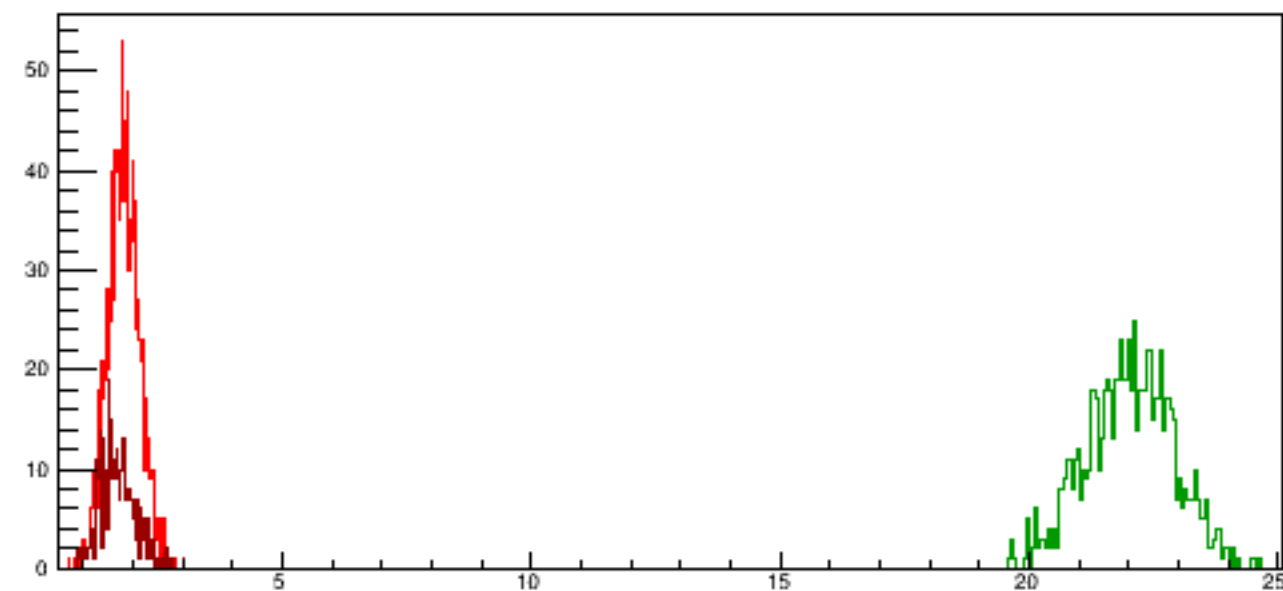
Std Dev: 0.8806 +/- 0.0229

Entries: 375

Mean: 1.6868 +/- 0.0184

Std Dev: 0.3556 +/- 0.0130

Run 5204 quartetwise, Sums



Cycle 2, Asyms

Entries: 1316

Mean: -0.0001 +/- 0.0005

Std Dev: 0.0176 +/- 0.0003

Entries: 740

Mean: 0.0298 +/- 0.0012

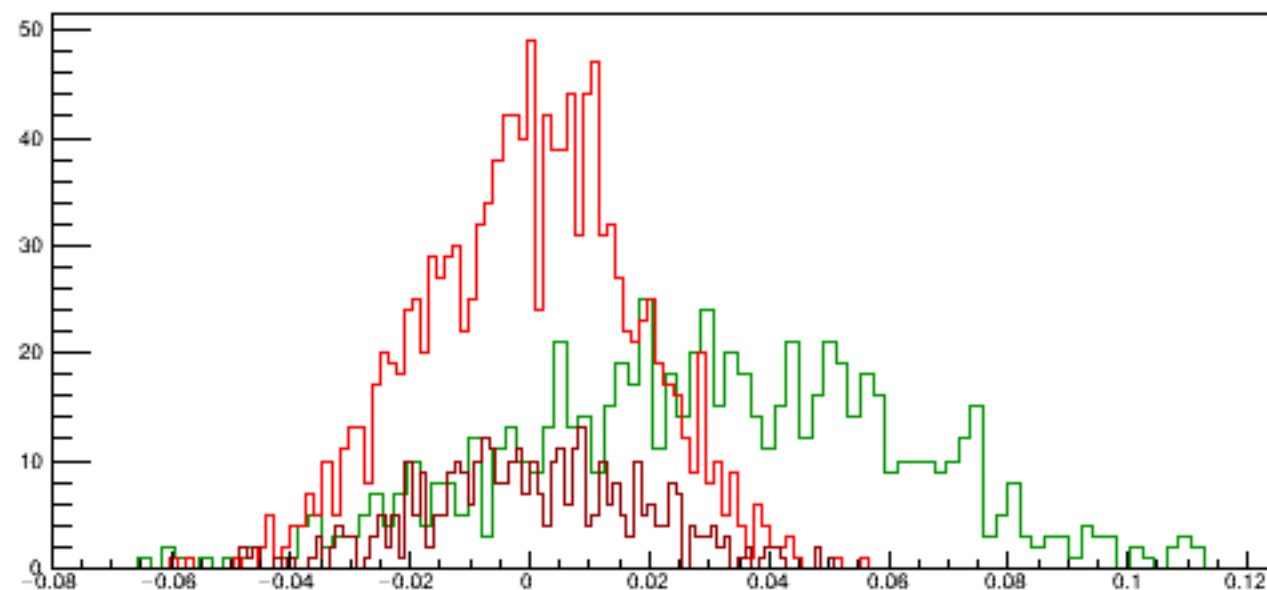
Std Dev: 0.0326 +/- 0.0008

Entries: 375

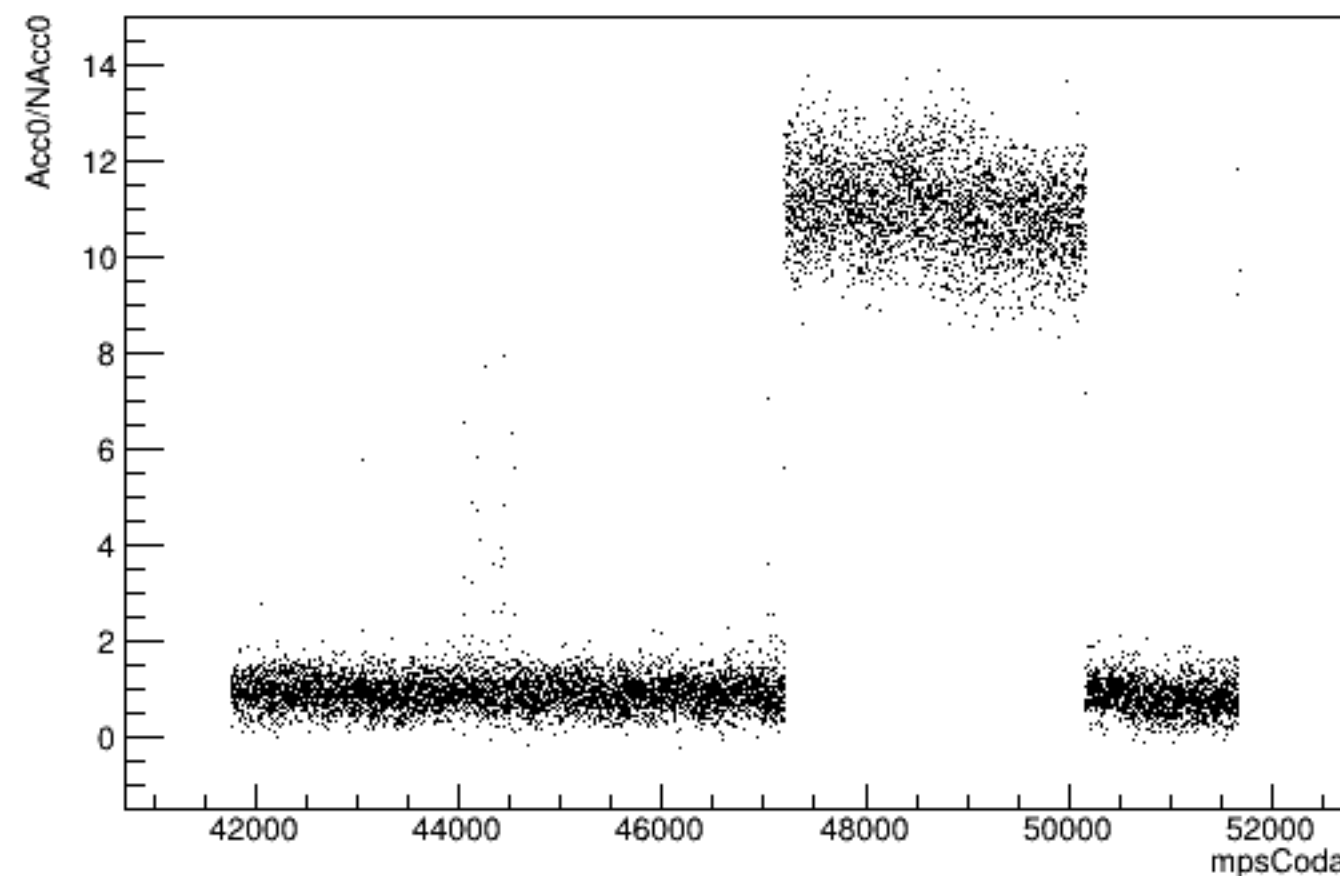
Mean: 0.0006 +/- 0.0010

Std Dev: 0.0185 +/- 0.0007

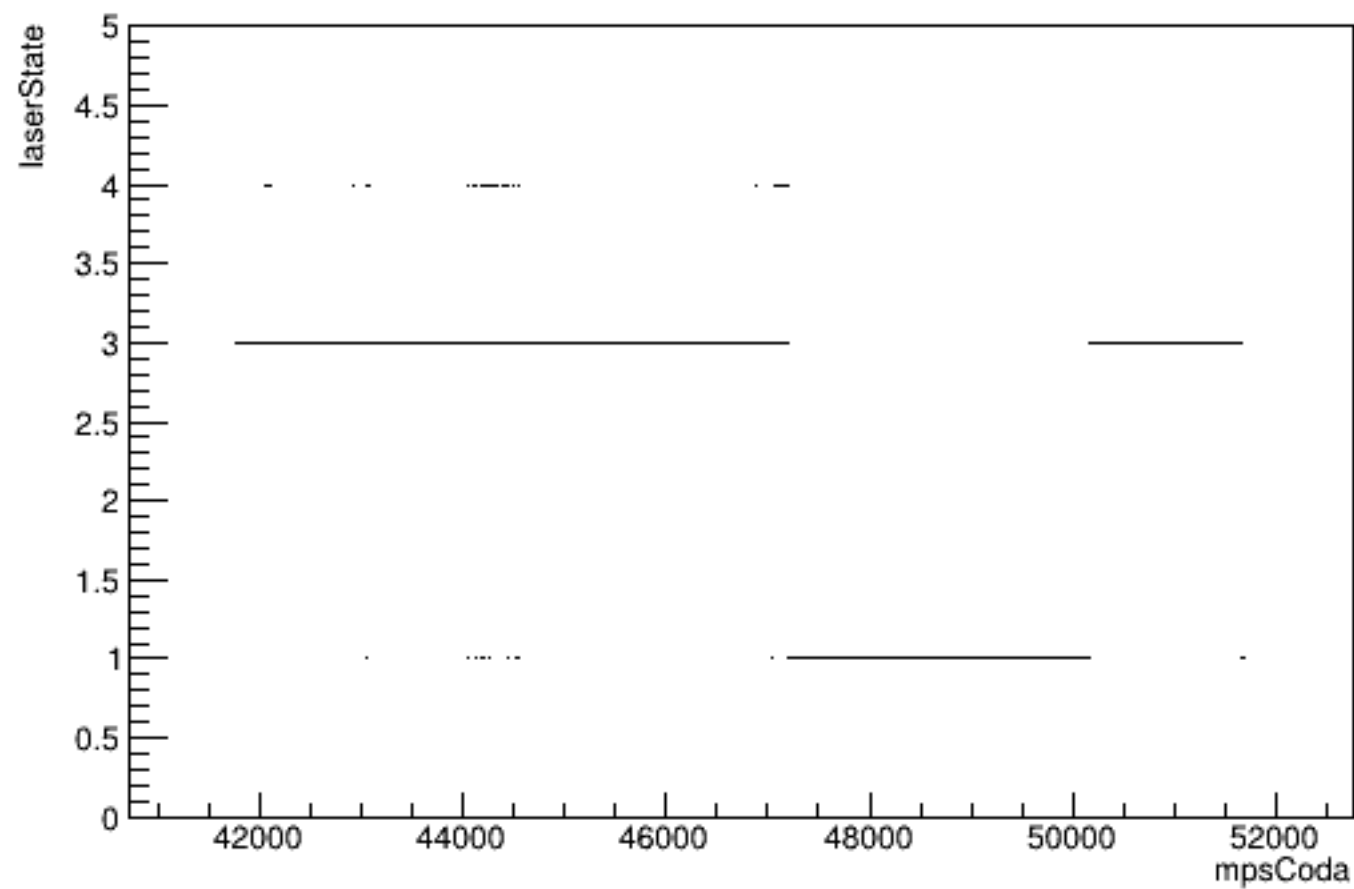
Run 5204 quartetwise, Asyms



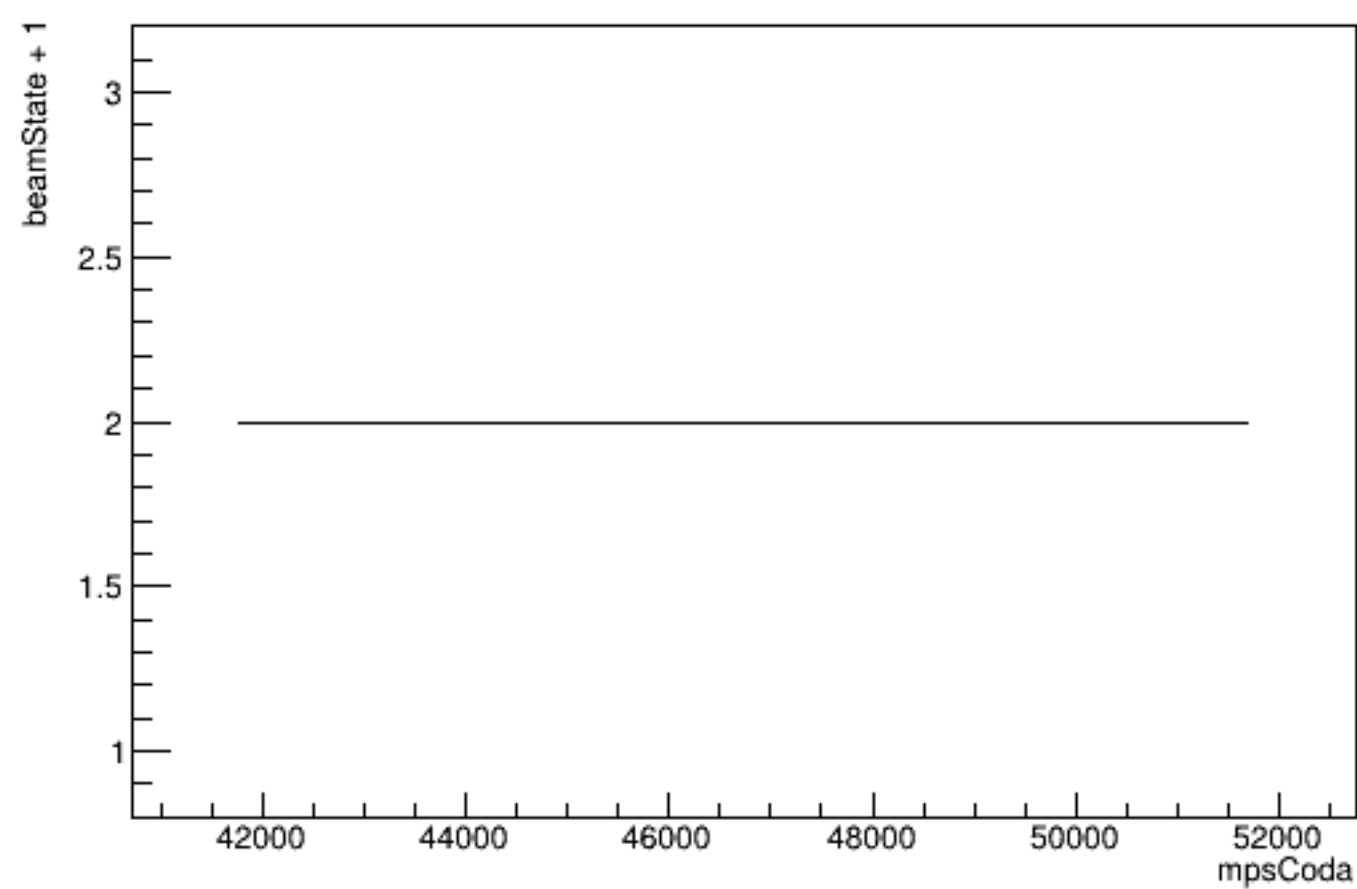
Acc0/NAcc0:mpsCoda {mpsCoda>=41760 && mpsCoda<=51675 && beamState==1}



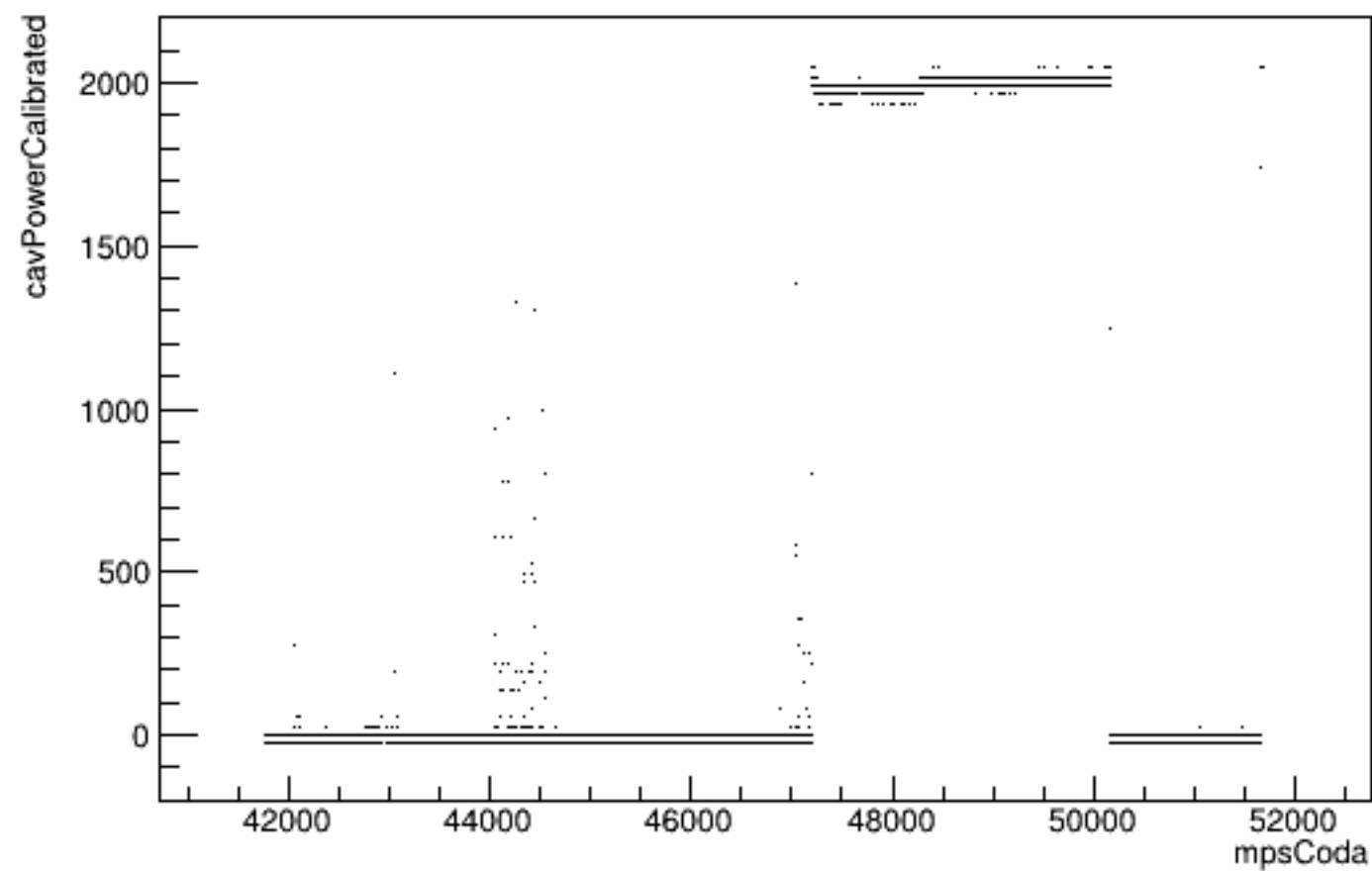
laserState:mpsCoda {mpsCoda>=41760 && mpsCoda<=51675}



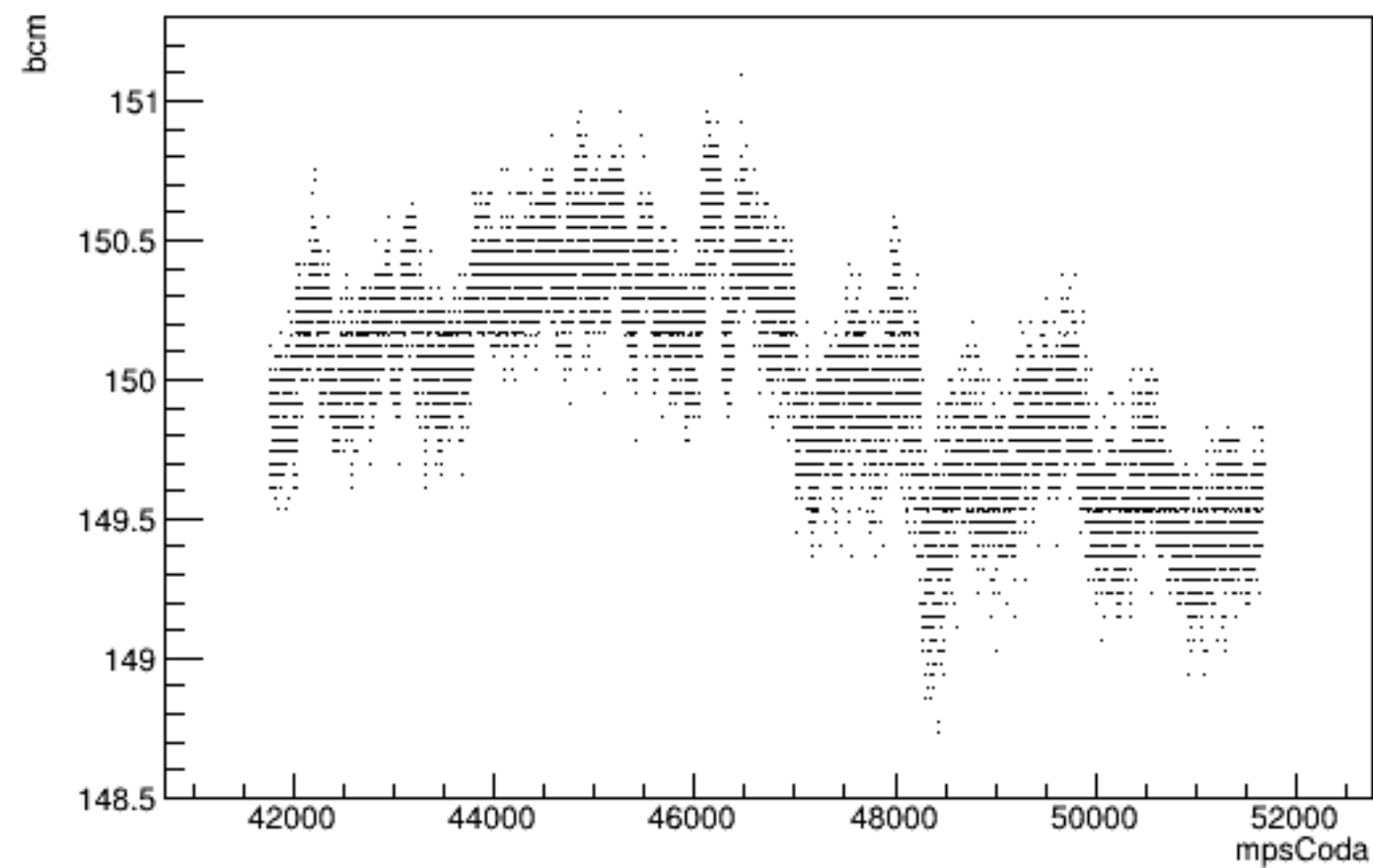
beamState + 1:mpsCoda {mpsCoda>=41760 && mpsCoda<=51675}



cavPowerCalibrated:mpsCoda {mpsCoda>=41760 && mpsCoda<=51675}



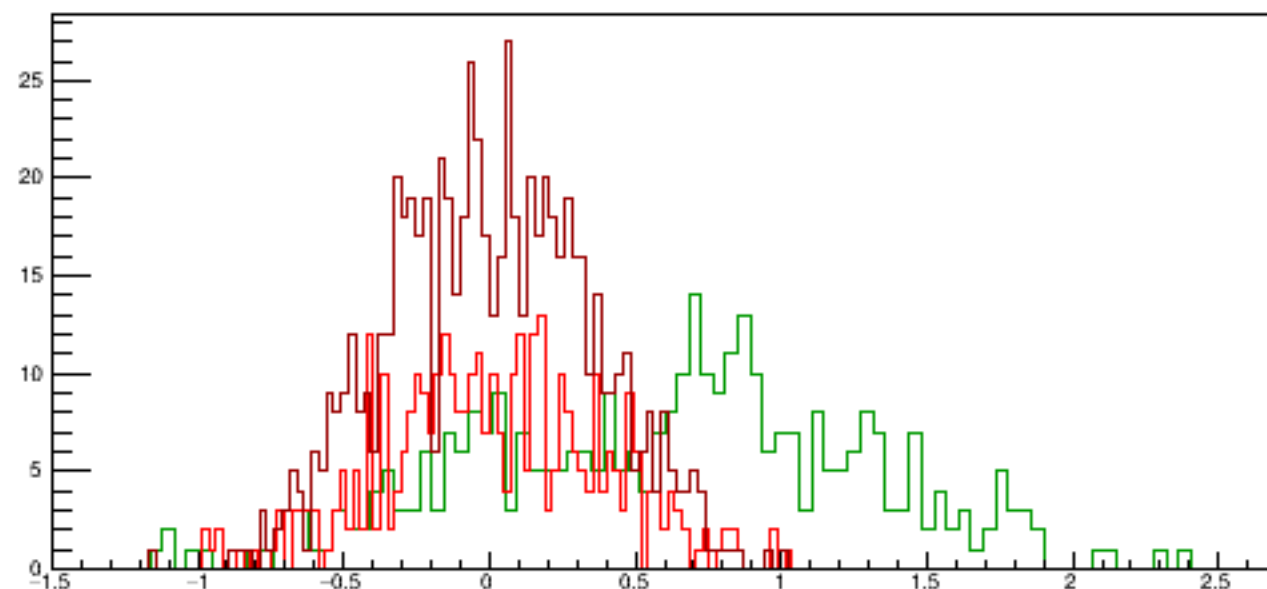
bcm:mpsCoda {mpsCoda>=41760 && mpsCoda<=51675}



Cycle 3, Diffs

Entries: 375	Entries: 347	Entries: 707
Mean: 0.0132 +/- 0.0193	Mean: 0.6086 +/- 0.0359	Mean: 0.0048 +/- 0.0131
Std Dev: 0.3741 +/- 0.0137	Std Dev: 0.6683 +/- 0.0254	Std Dev: 0.3479 +/- 0.0093

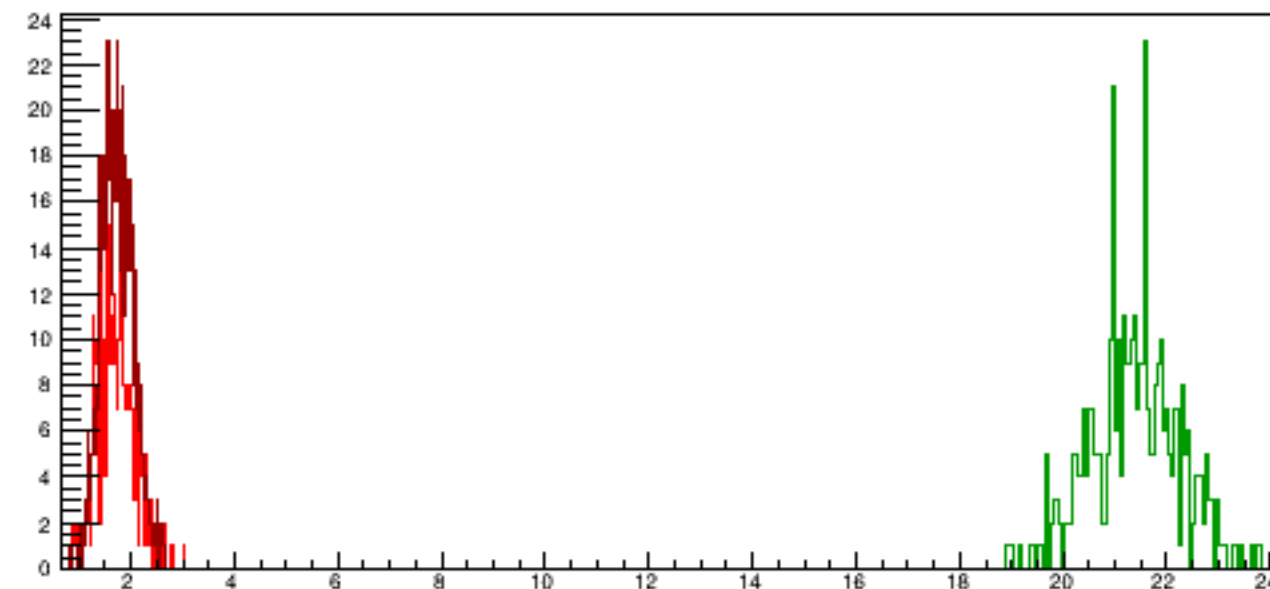
Run 5204 quartetwise, Diffs



Cycle 3, Sums

Entries: 375	Entries: 347	Entries: 707
Mean: 1.6868 +/- 0.0184	Mean: 21.3795 +/- 0.0454	Mean: 1.7357 +/- 0.0116
Std Dev: 0.3556 +/- 0.0130	Std Dev: 0.8452 +/- 0.0321	Std Dev: 0.3074 +/- 0.0082

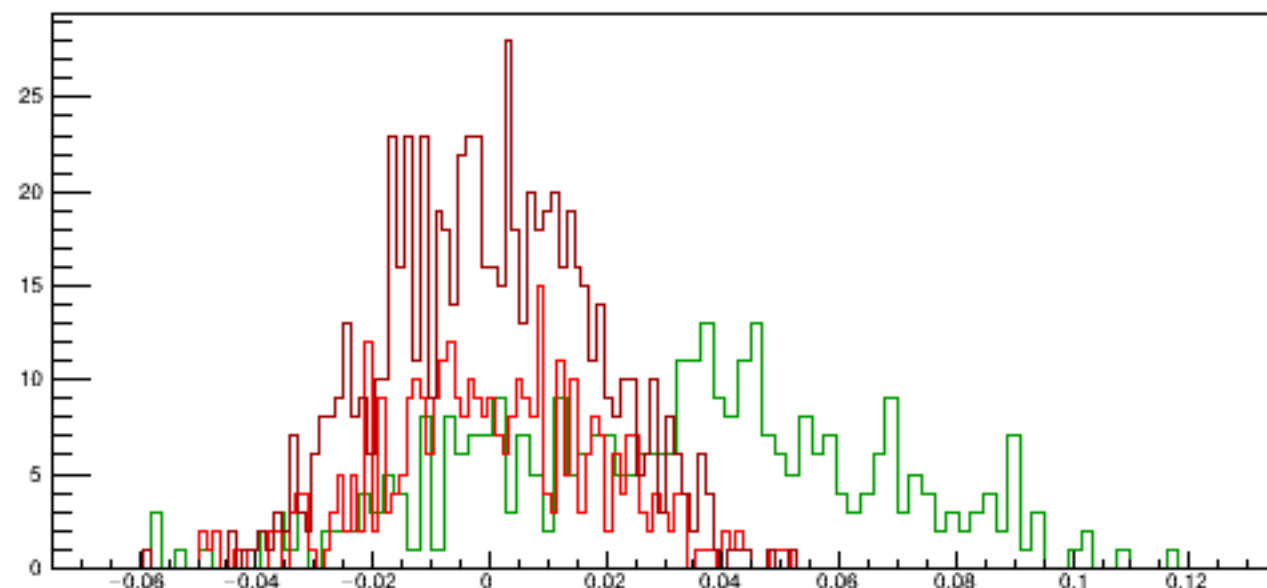
Run 5204 quartetwise, Sums



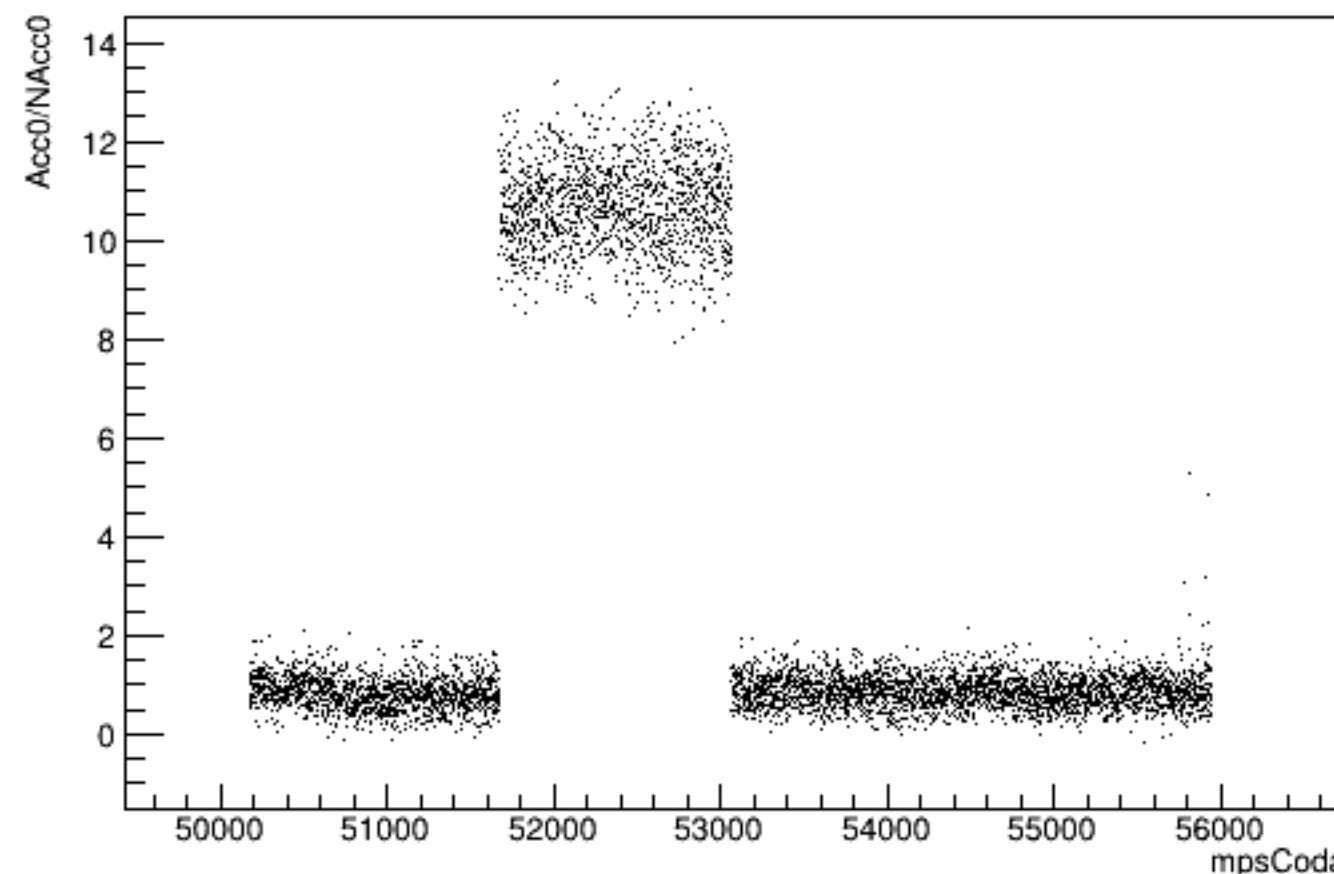
Cycle 3, Asyms

Entries: 375	Entries: 347	Entries: 707
Mean: 0.0007 +/- 0.0010	Mean: 0.0309 +/- 0.0018	Mean: 0.0002 +/- 0.0007
Std Dev: 0.0190 +/- 0.0007	Std Dev: 0.0340 +/- 0.0013	Std Dev: 0.0177 +/- 0.0005

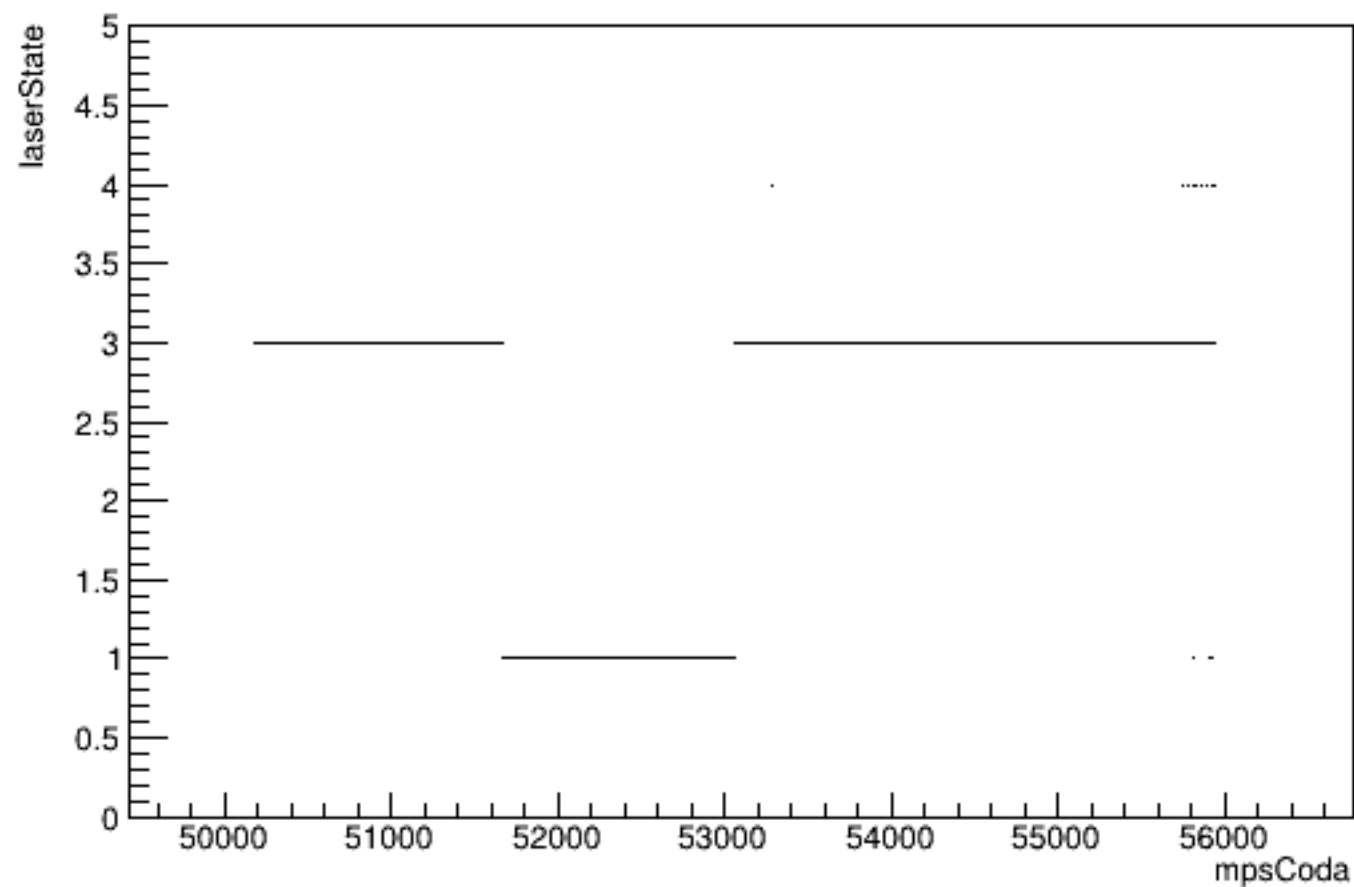
Run 5204 quartetwise, Asyms



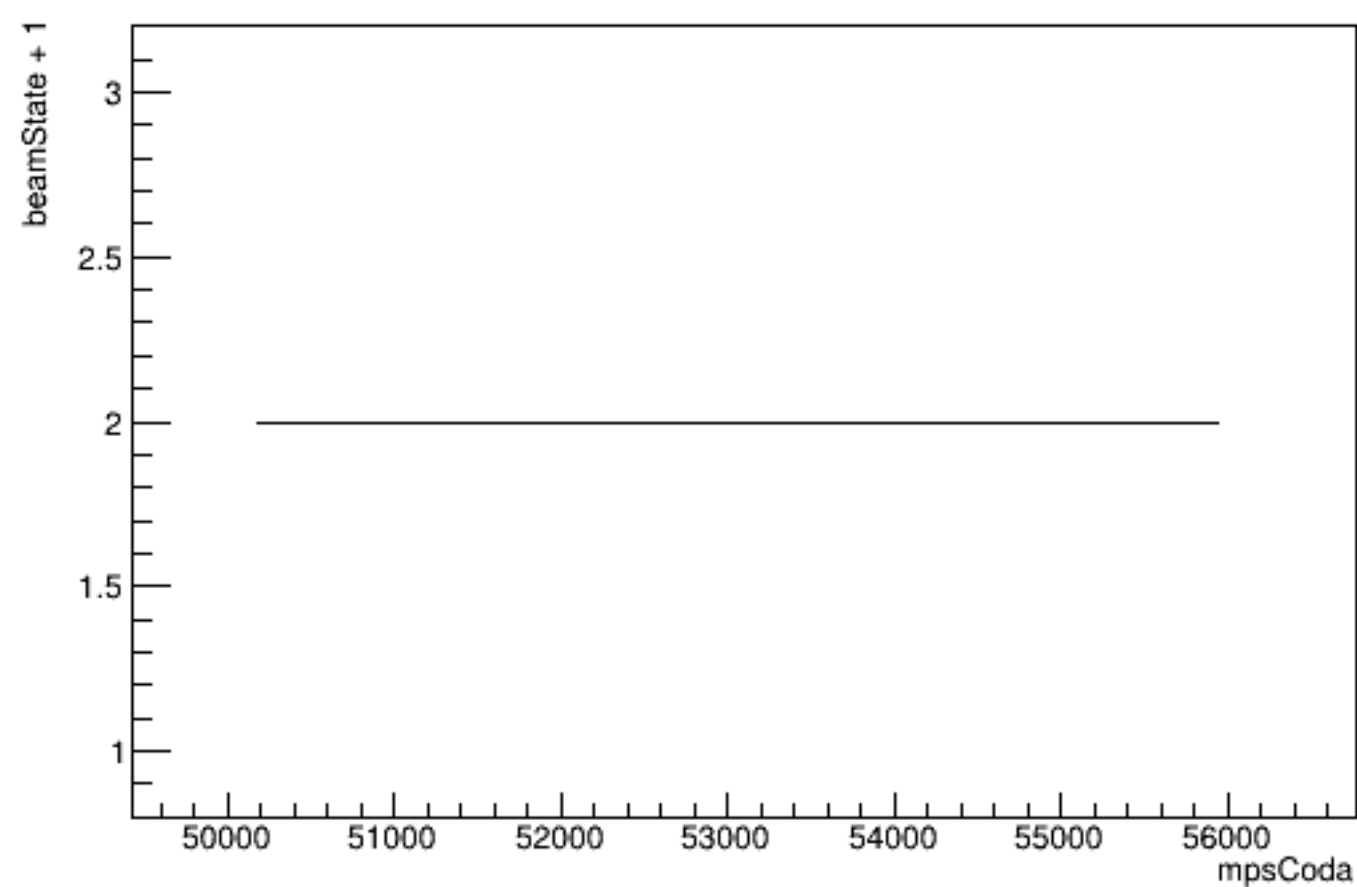
Acc0/NAcc0:mpsCoda {mpsCoda>=50172 && mpsCoda<=55947 && beamState==1}



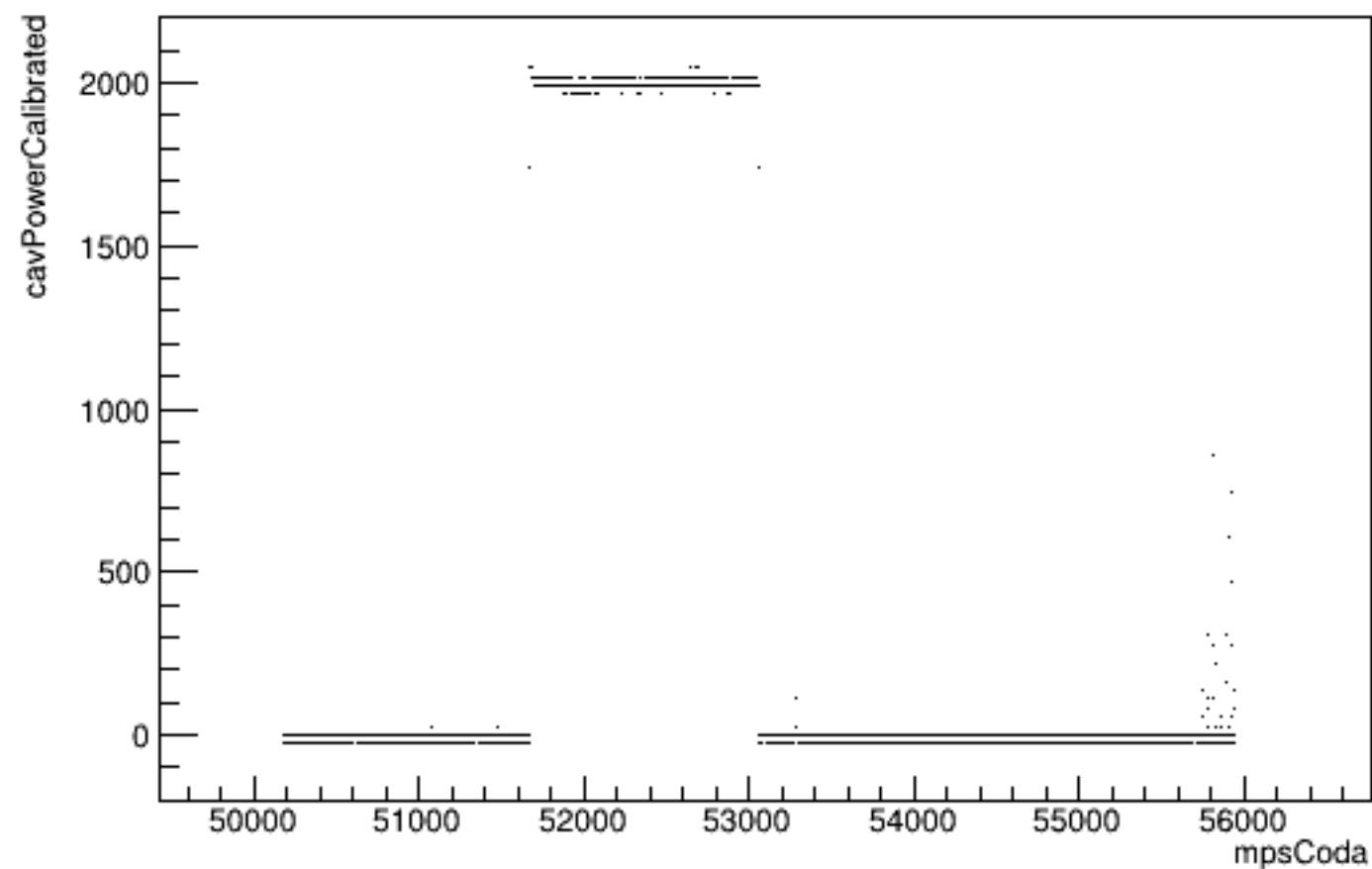
laserState:mpsCoda {mpsCoda>=50172 && mpsCoda<=55947}



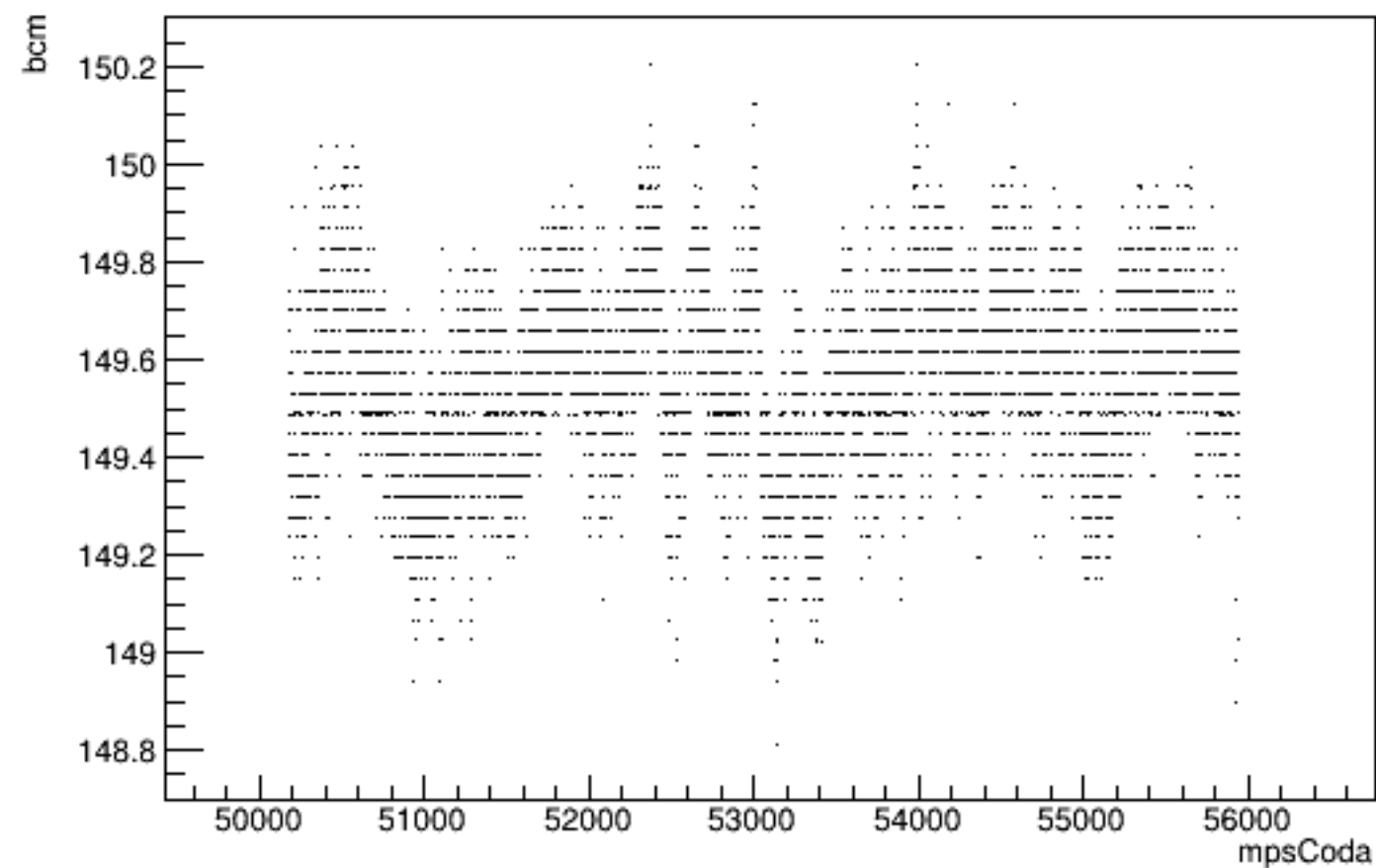
beamState + 1:mpsCoda {mpsCoda>=50172 && mpsCoda<=55947}



cavPowerCalibrated:mpsCoda {mpsCoda>=50172 && mpsCoda<=55947}



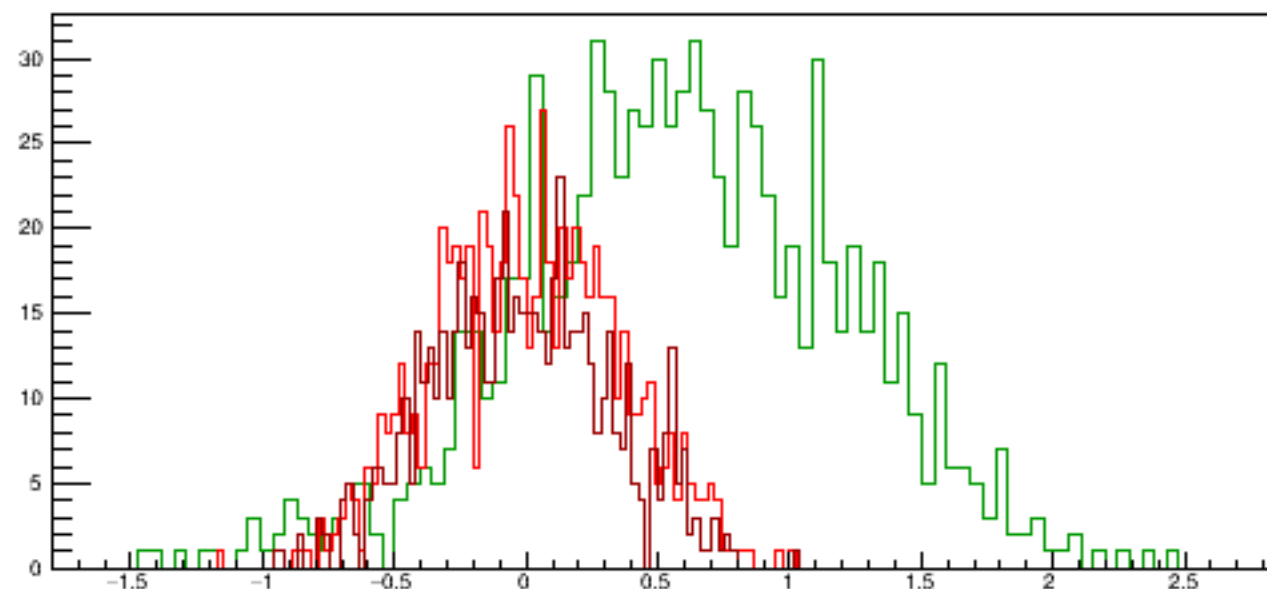
bcm:mpsCoda {mpsCoda>=50172 && mpsCoda<=55947}



Cycle 4, Diffs

Entries: 707	Entries: 896	Entries: 613
Mean: 0.0048 +/- 0.0131	Mean: 0.5914 +/- 0.0207	Mean: -0.0176 +/- 0.0137
Std Dev: 0.3479 +/- 0.0093	Std Dev: 0.6189 +/- 0.0146	Std Dev: 0.3388 +/- 0.0097

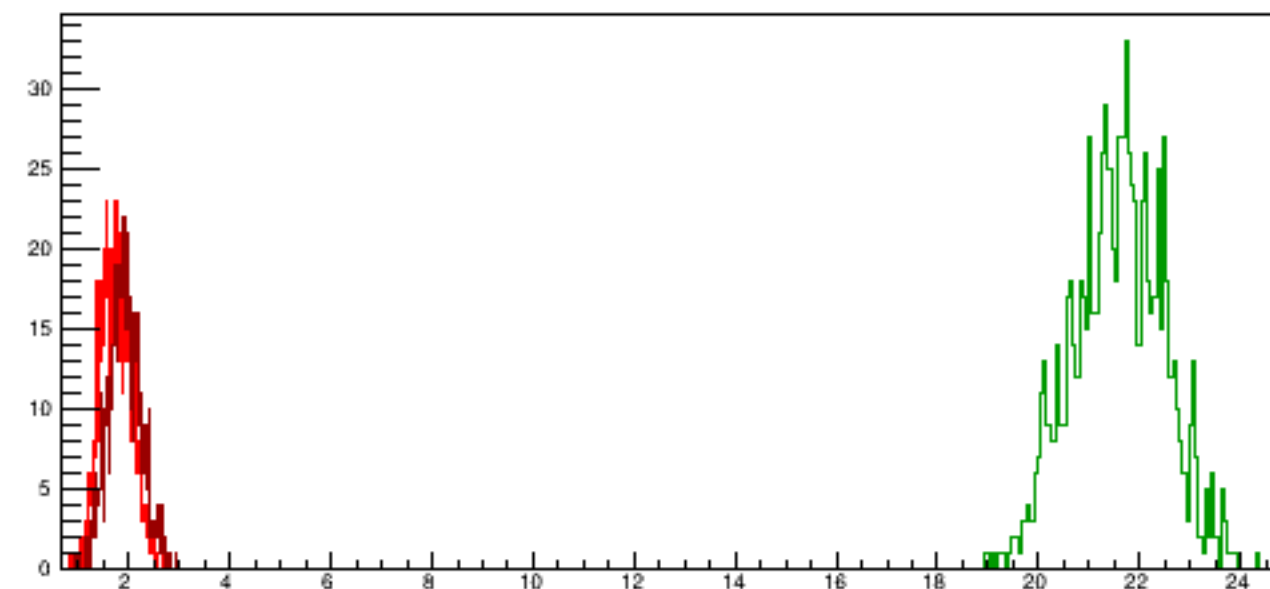
Run 5204 quartetwise, Diffs



Cycle 4, Sums

Entries: 707	Entries: 896	Entries: 613
Mean: 1.7357 +/- 0.0116	Mean: 21.5913 +/- 0.0300	Mean: 1.9111 +/- 0.0132
Std Dev: 0.3074 +/- 0.0082	Std Dev: 0.8978 +/- 0.0212	Std Dev: 0.3265 +/- 0.0093

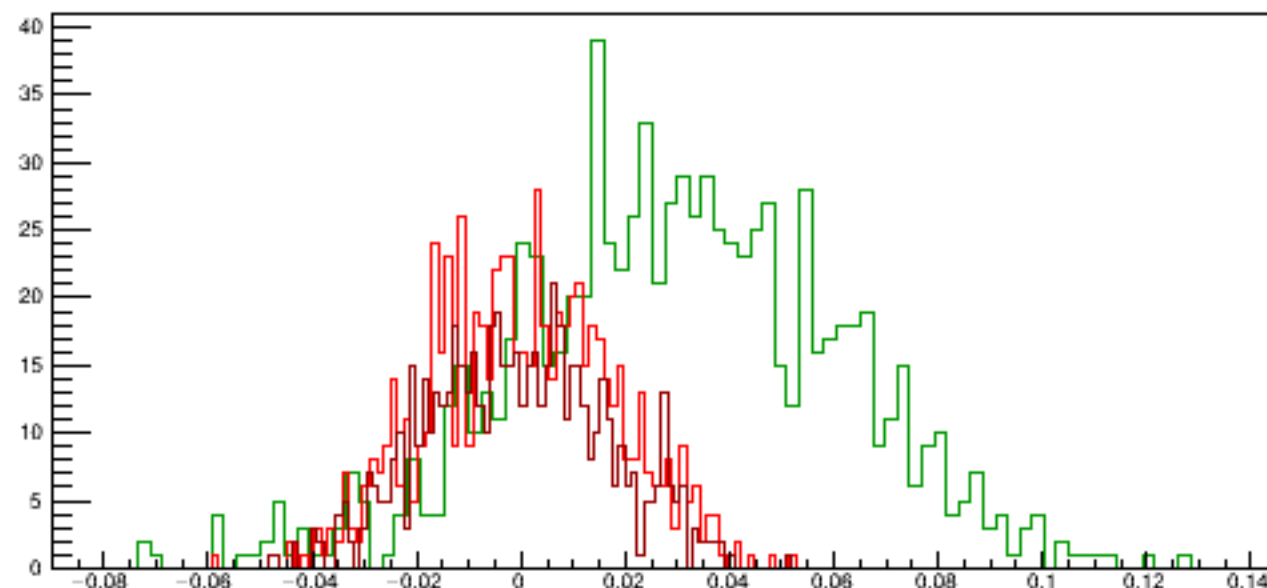
Run 5204 quartetwise, Sums



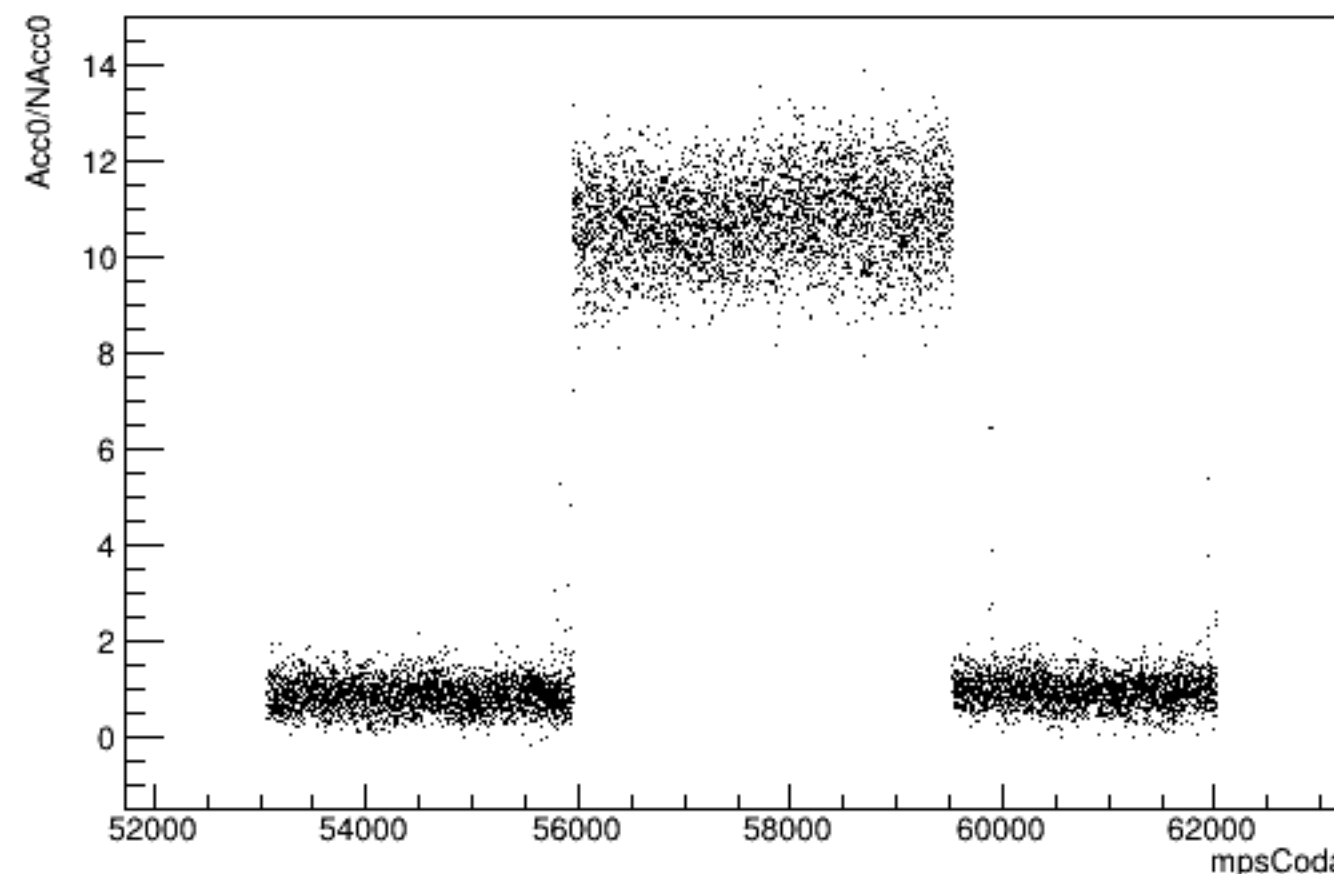
Cycle 4, Asyms

Entries: 707	Entries: 896	Entries: 613
Mean: 0.0002 +/- 0.0007	Mean: 0.0299 +/- 0.0010	Mean: -0.0009 +/- 0.0007
Std Dev: 0.0176 +/- 0.0005	Std Dev: 0.0314 +/- 0.0007	Std Dev: 0.0171 +/- 0.0005

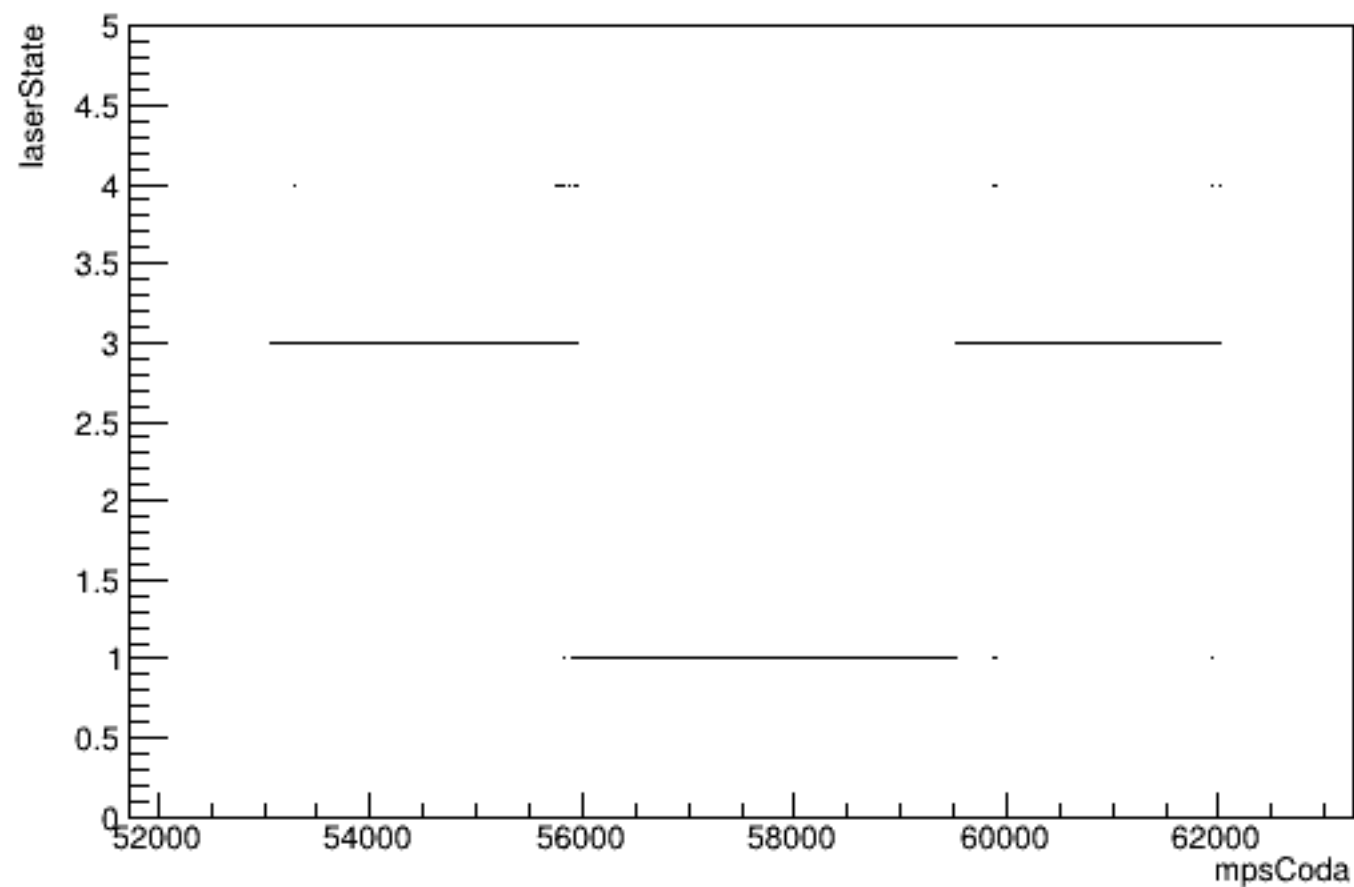
Run 5204 quartetwise, Asyms



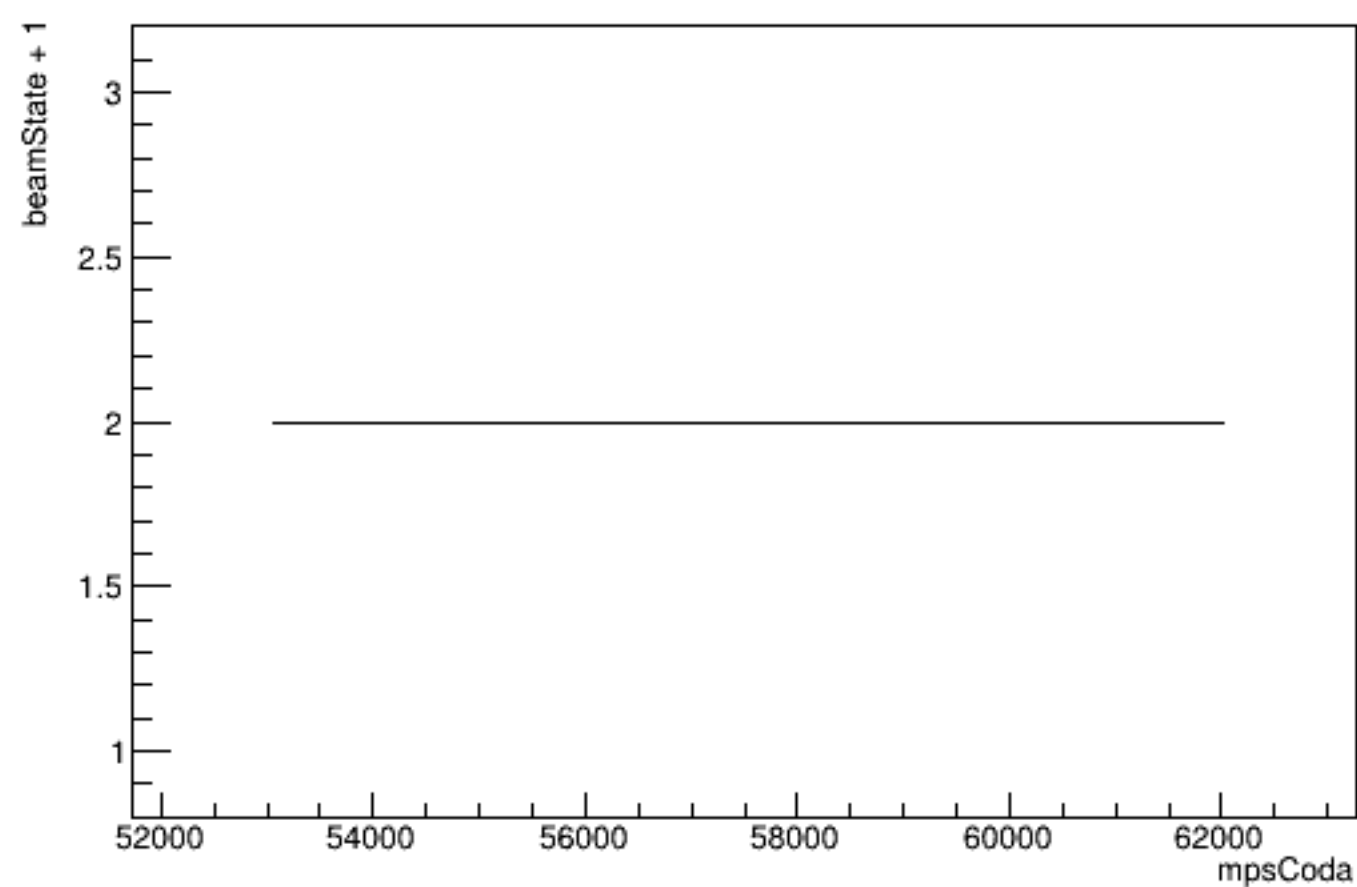
Acc0/NAcc0:mpsCoda {mpsCoda>=53068 && mpsCoda<=62019 && beamState==1}



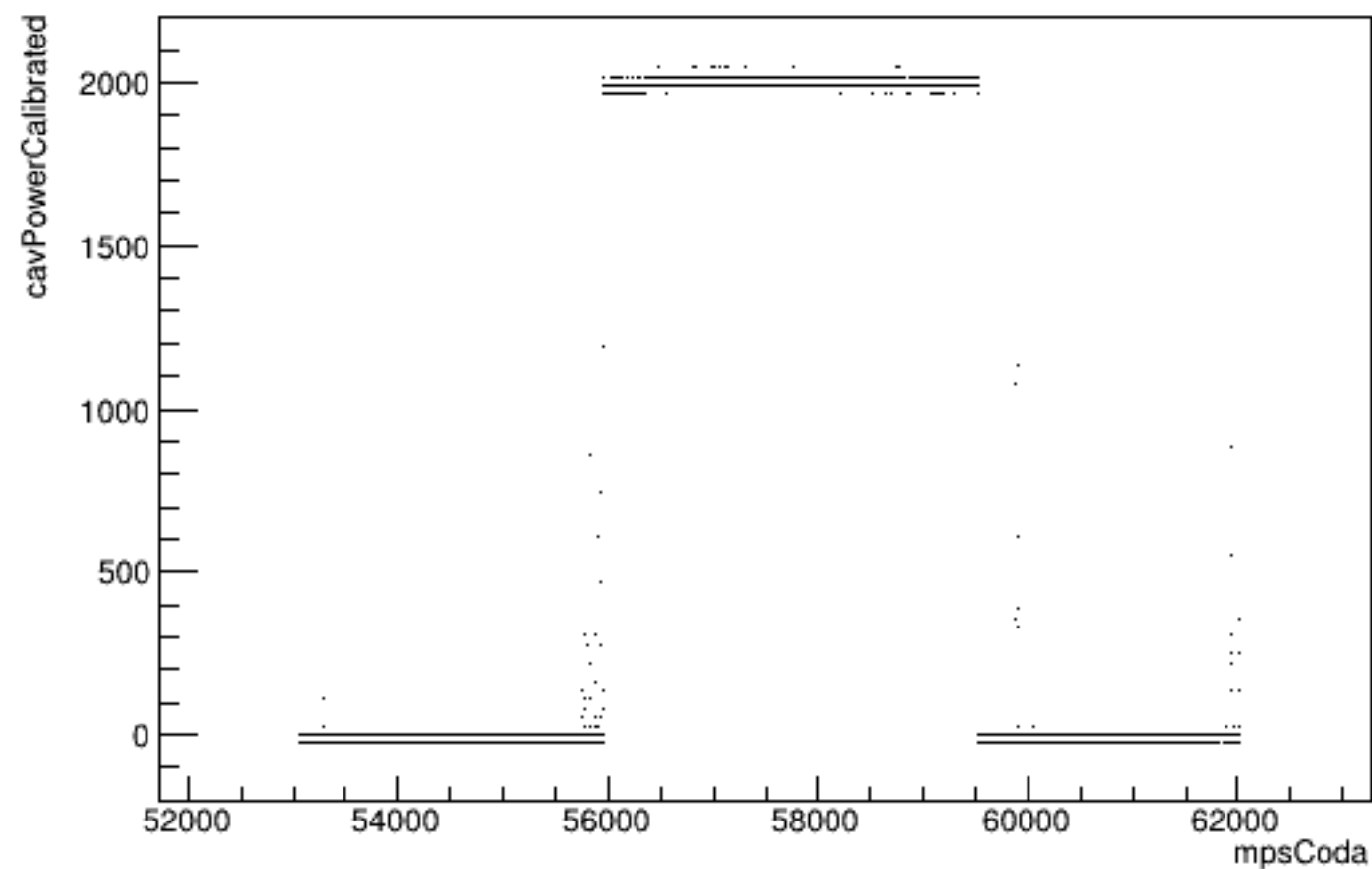
laserState:mpsCoda {mpsCoda>=53068 && mpsCoda<=62019}



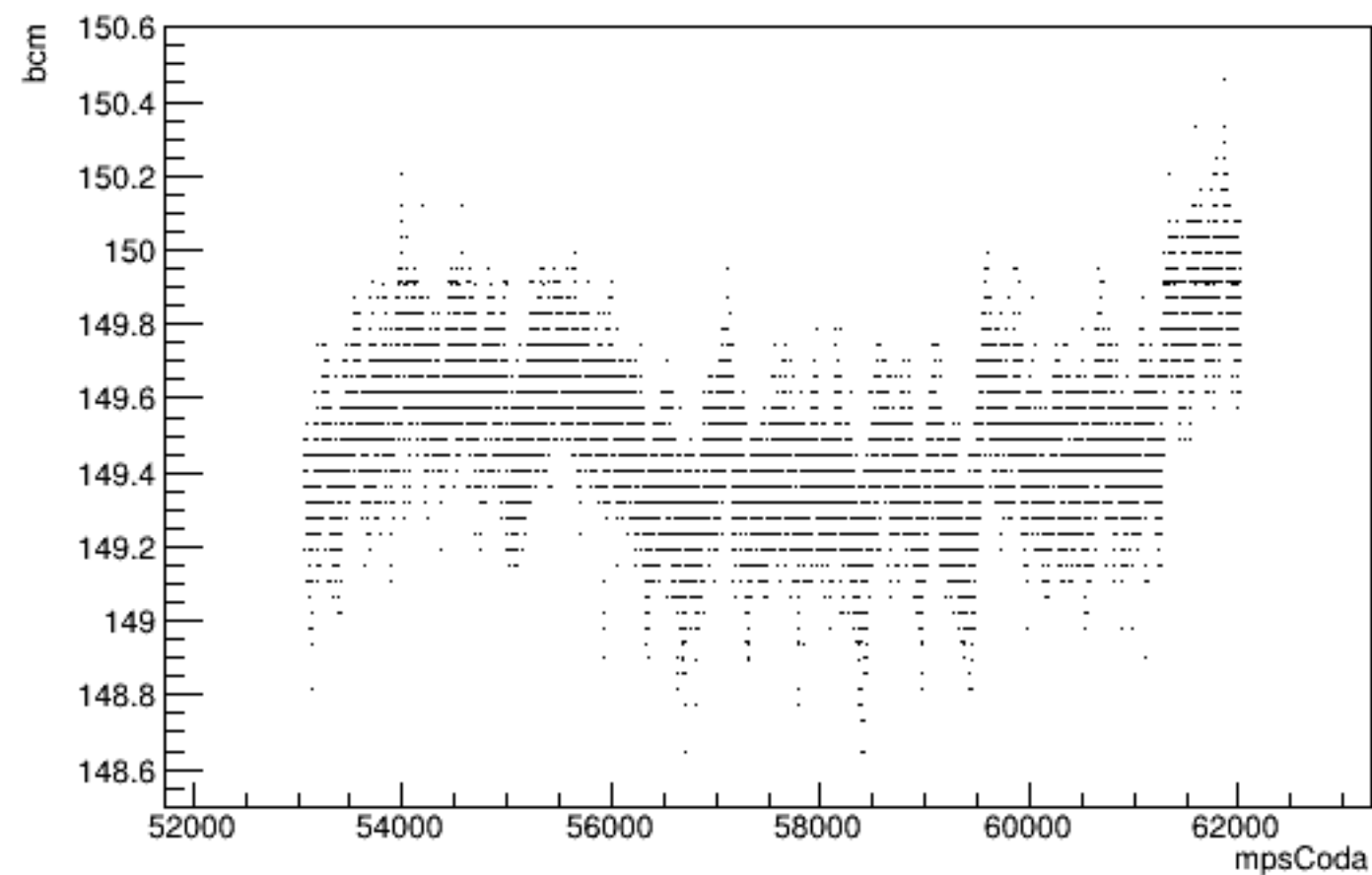
beamState + 1:mpsCoda {mpsCoda>=53068 && mpsCoda<=62019}



cavPowerCalibrated:mpsCoda {mpsCoda>=53068 && mpsCoda<=62019}



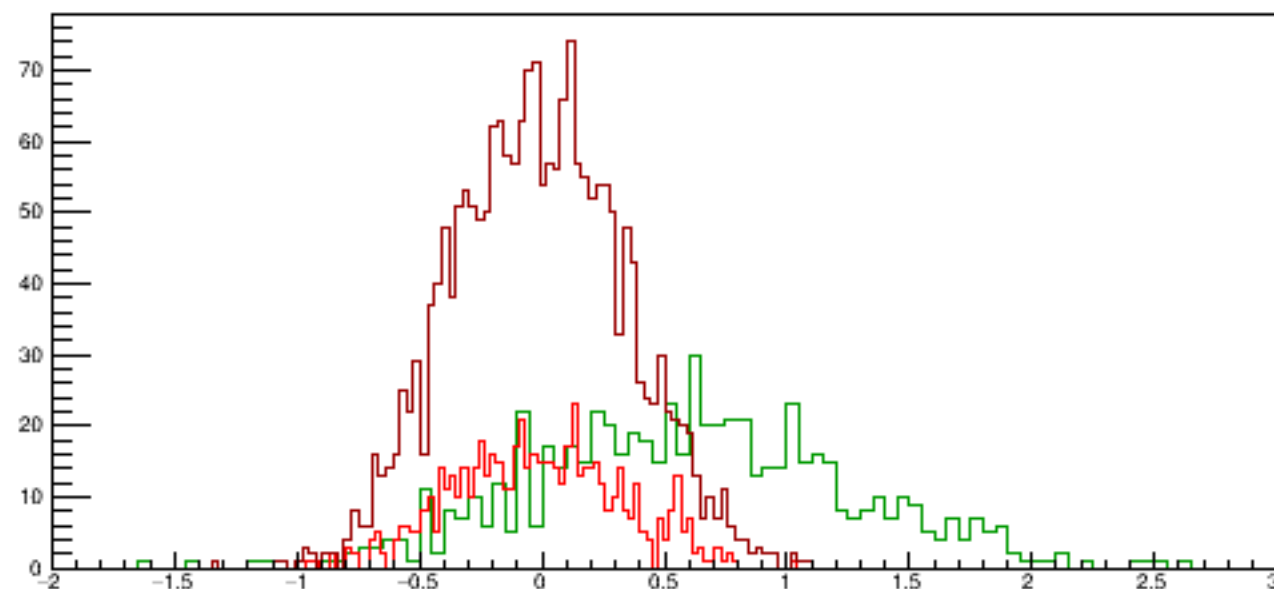
bcm:mpsCoda {mpsCoda>=53068 && mpsCoda<=62019}



Cycle 5, Diffs

Entries: 613	Entries: 657	Entries: 2062
Mean: -0.0176 +/- 0.0137	Mean: 0.5975 +/- 0.0254	Mean: -0.0111 +/- 0.0077
Std Dev: 0.3388 +/- 0.0097	Std Dev: 0.6512 +/- 0.0180	Std Dev: 0.3497 +/- 0.0054

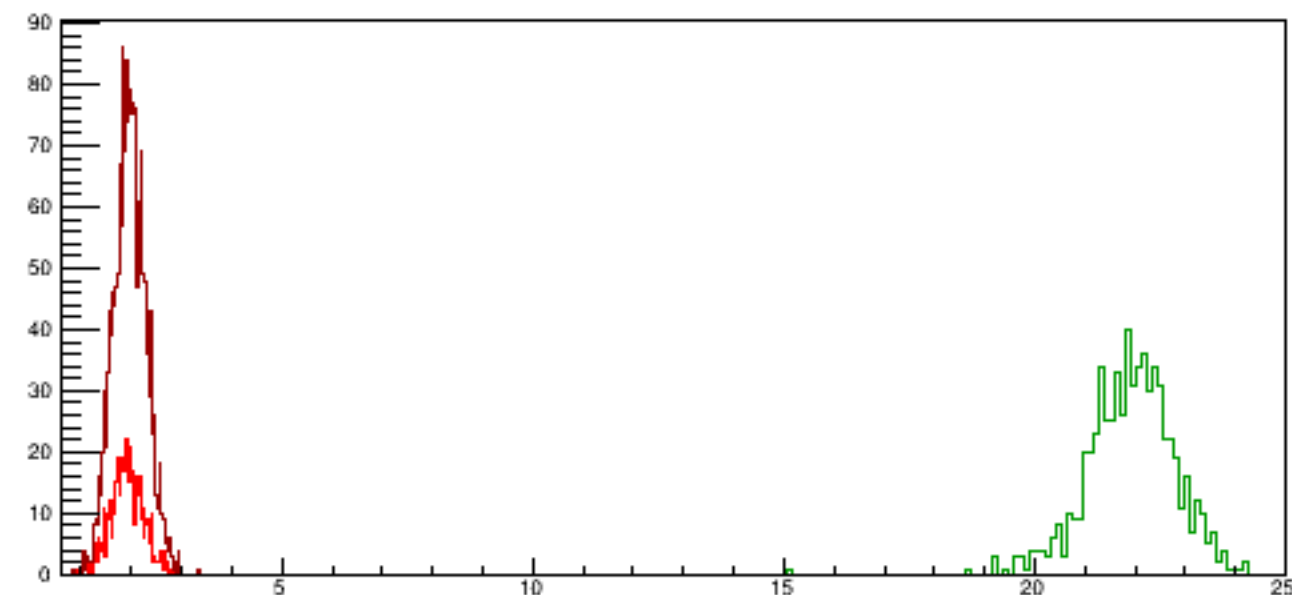
Run 5204 quartetwise, Diffs



Cycle 5, Sums

Entries: 613	Entries: 657	Entries: 2062
Mean: 1.9111 +/- 0.0132	Mean: 21.9179 +/- 0.0349	Mean: 1.9656 +/- 0.0071
Std Dev: 0.3265 +/- 0.0093	Std Dev: 0.8937 +/- 0.0247	Std Dev: 0.3213 +/- 0.0050

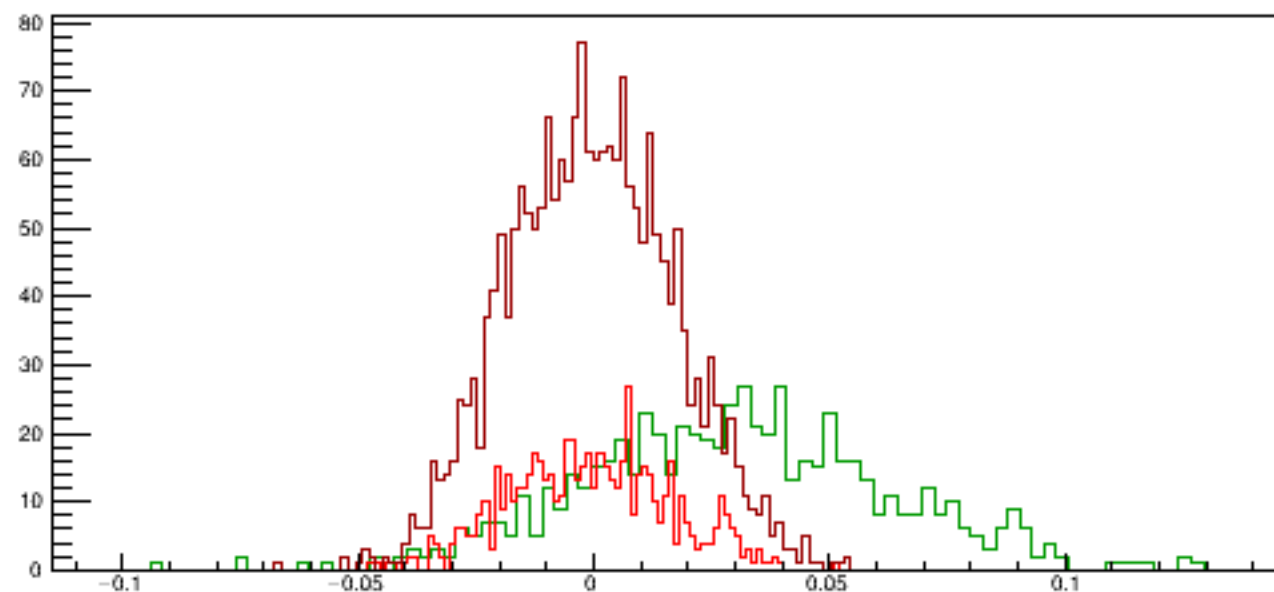
Run 5204 quartetwise, Sums



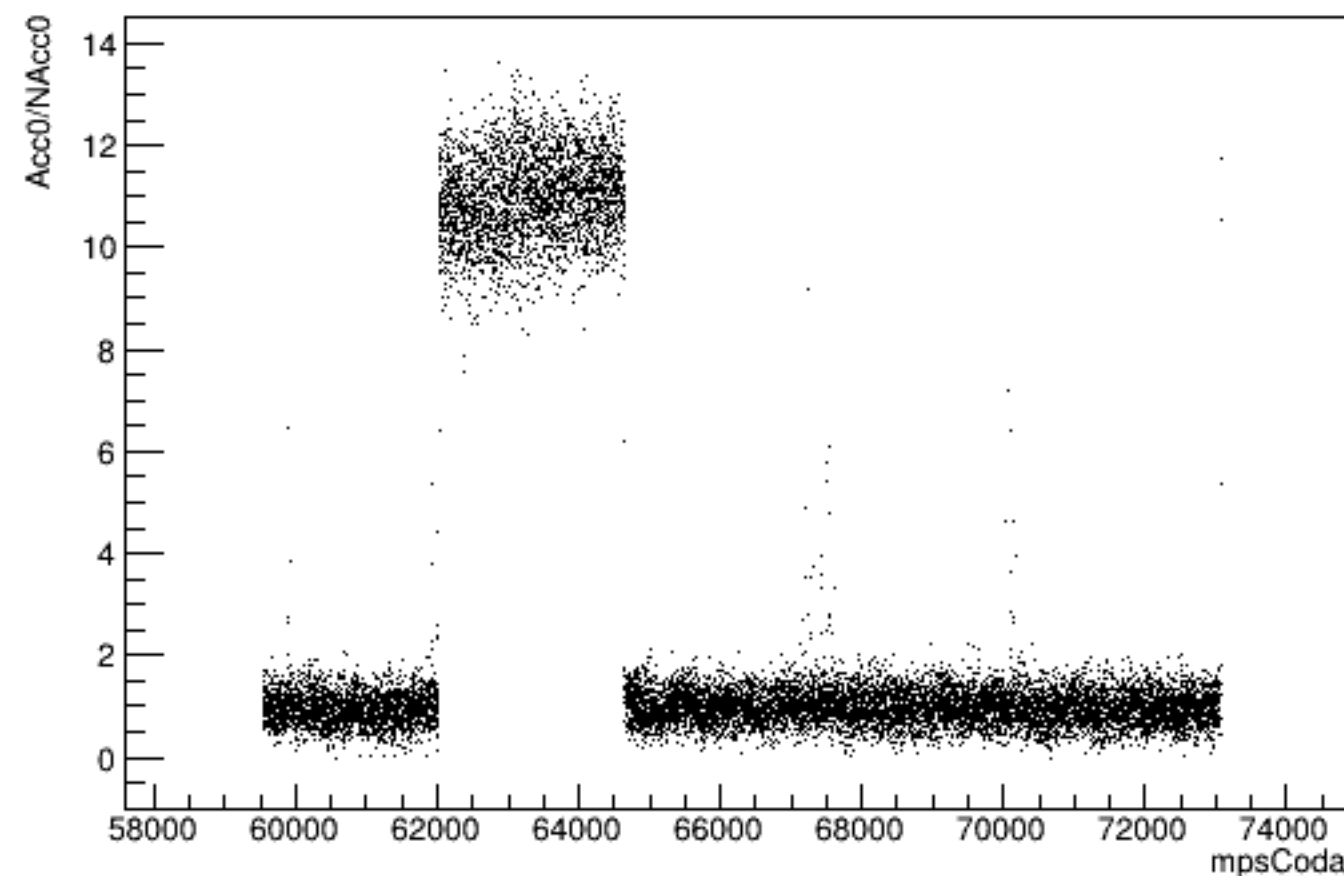
Cycle 5, Asyms

Entries: 613	Entries: 657	Entries: 2062
Mean: -0.0009 +/- 0.0007	Mean: 0.0297 +/- 0.0013	Mean: -0.0006 +/- 0.0004
Std Dev: 0.0170 +/- 0.0005	Std Dev: 0.0328 +/- 0.0009	Std Dev: 0.0175 +/- 0.0003

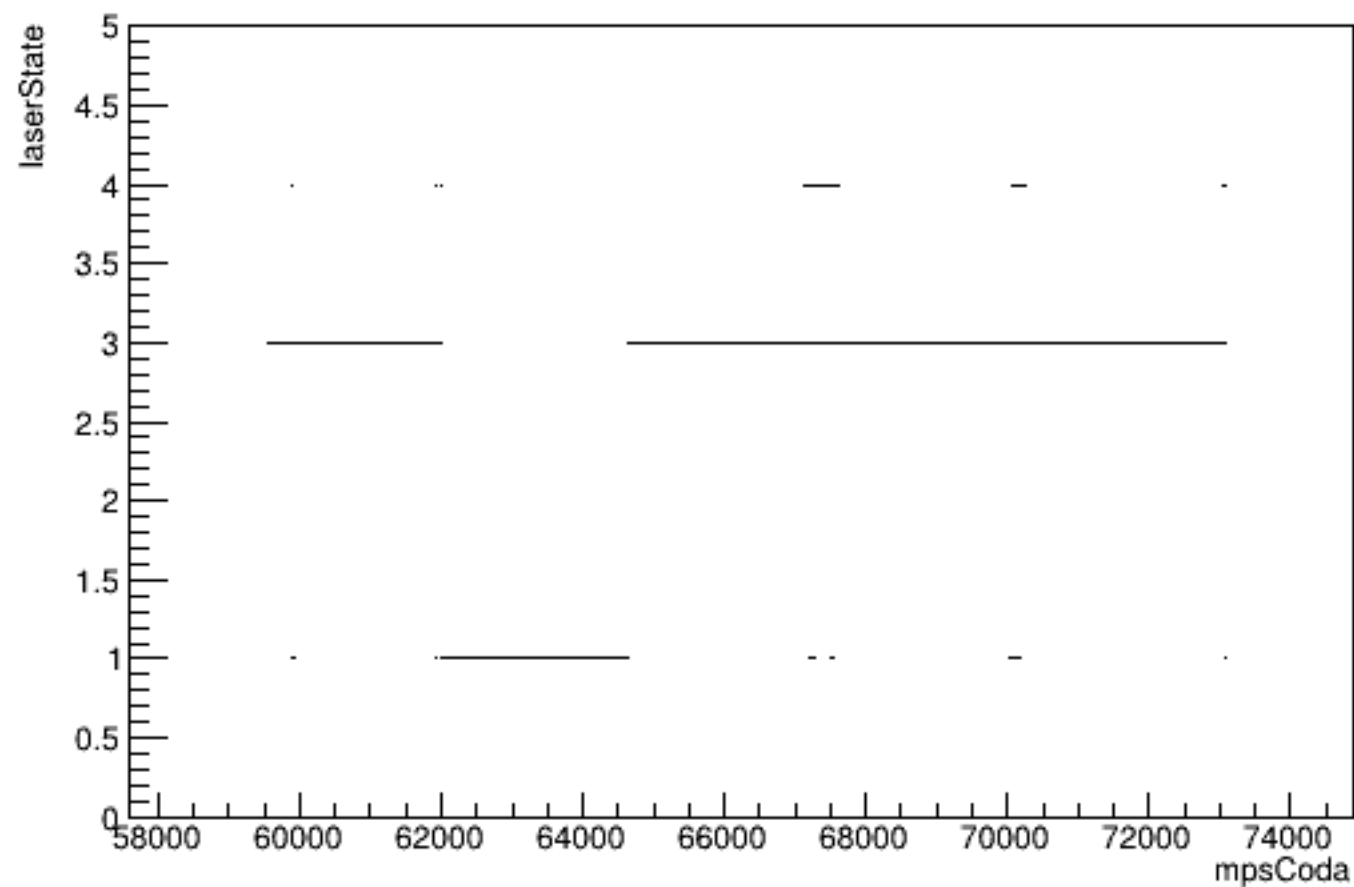
Run 5204 quartetwise, Asyms



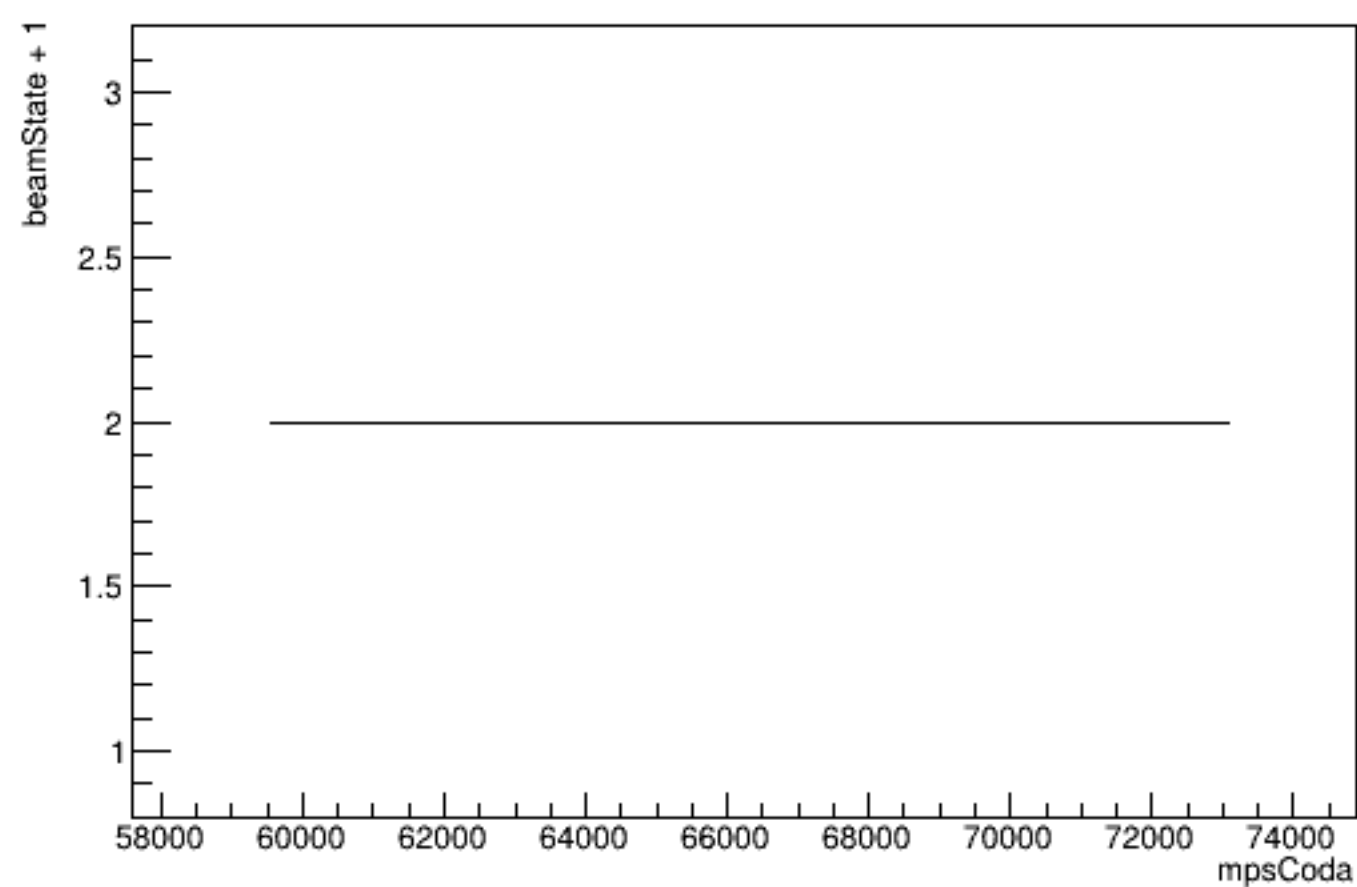
Acc0/NAcc0:mpsCoda {mpsCoda>=59536 && mpsCoda<=73067 && beamState==1}



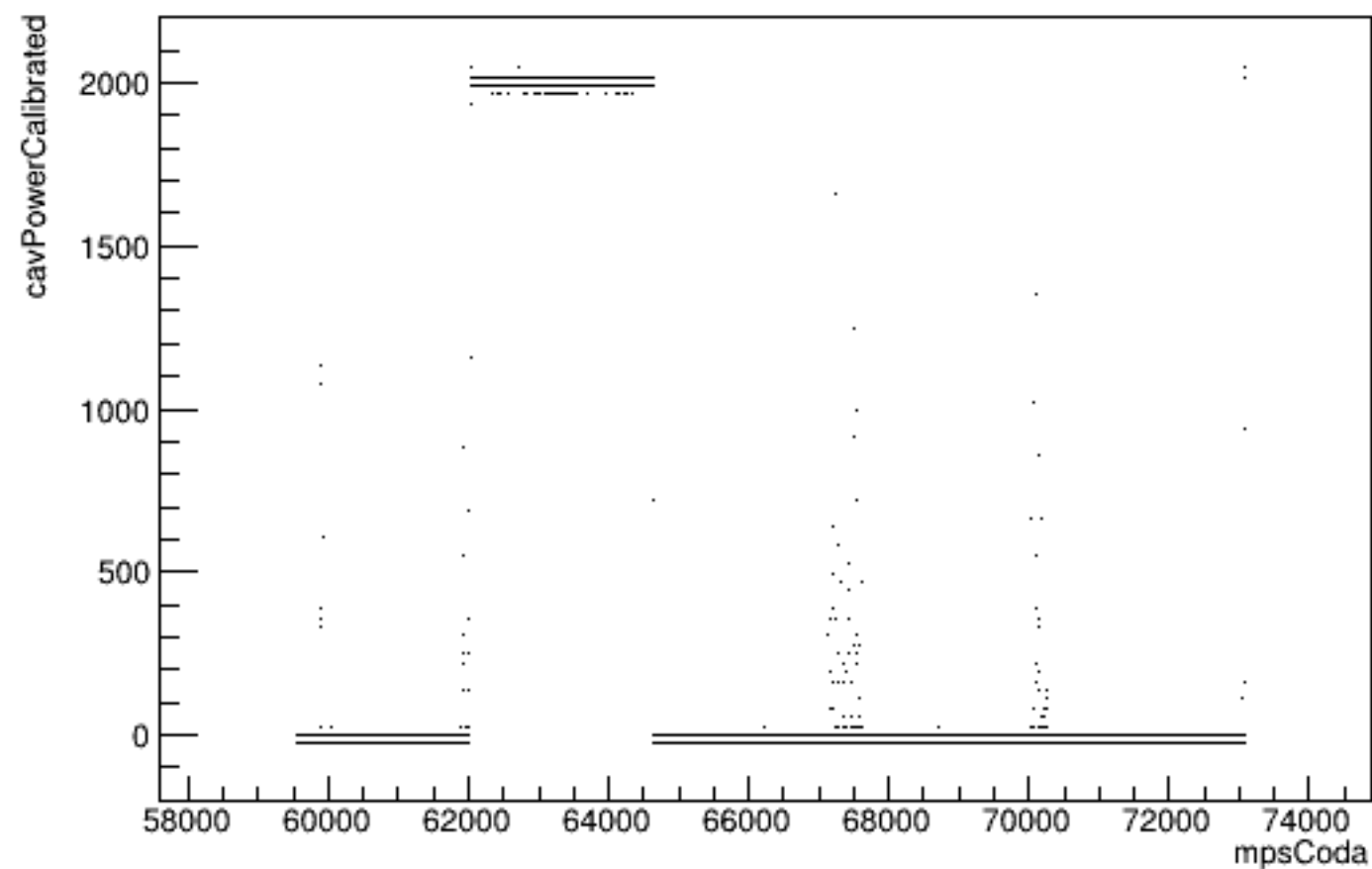
laserState:mpsCoda {mpsCoda>=59536 && mpsCoda<=73067}



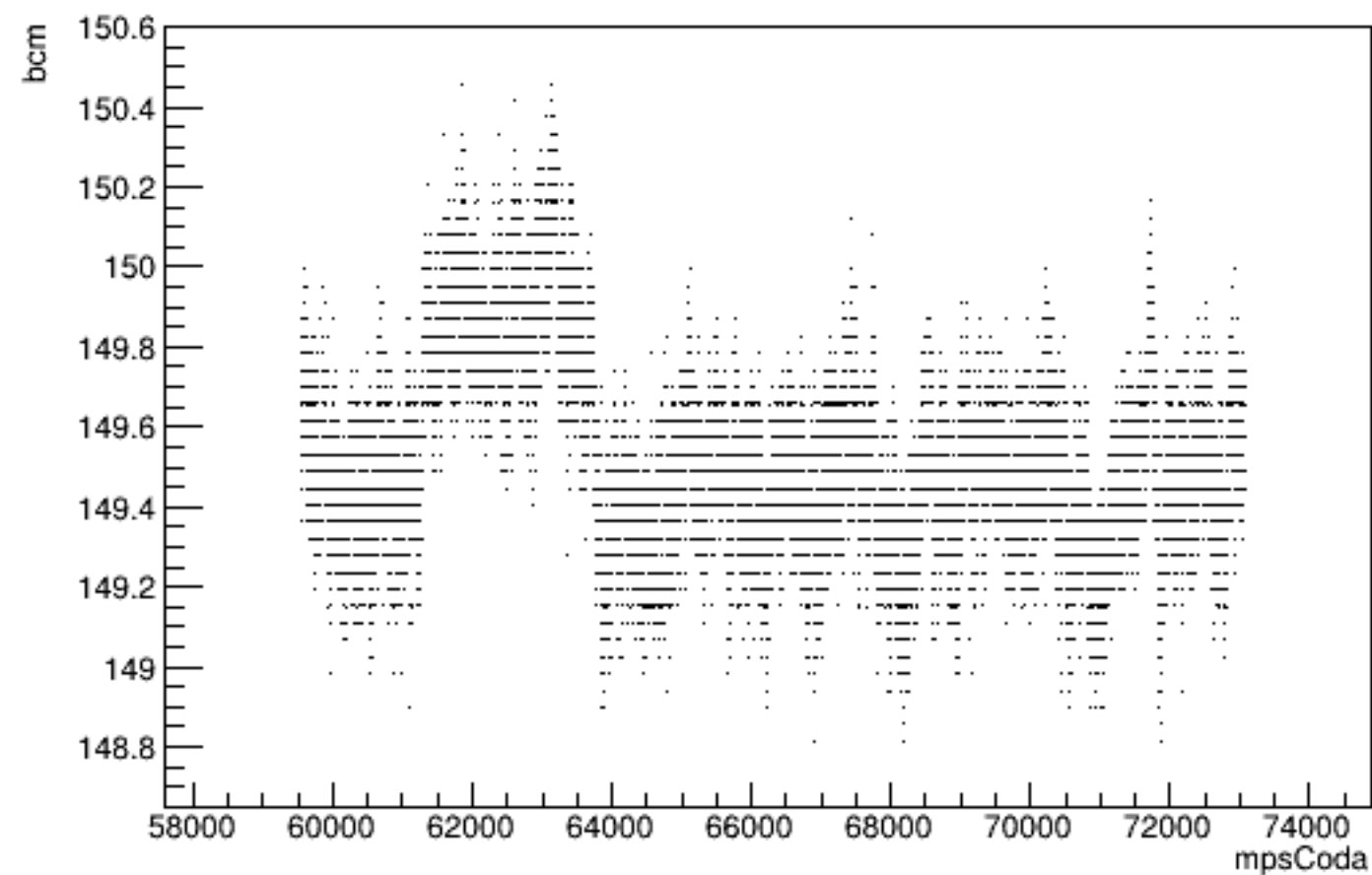
beamState + 1:mpsCoda {mpsCoda>=59536 && mpsCoda<=73067}



cavPowerCalibrated:mpsCoda {mpsCoda>=59536 && mpsCoda<=73067}



bcm:mpsCoda {mpsCoda>=59536 && mpsCoda<=73067}



Cycle 6, Diffs

Entries: 2062

Mean: -0.0111 +/- 0.0077

Std Dev: 0.3497 +/- 0.0054

Entries: 724

Mean: 0.6630 +/- 0.0233

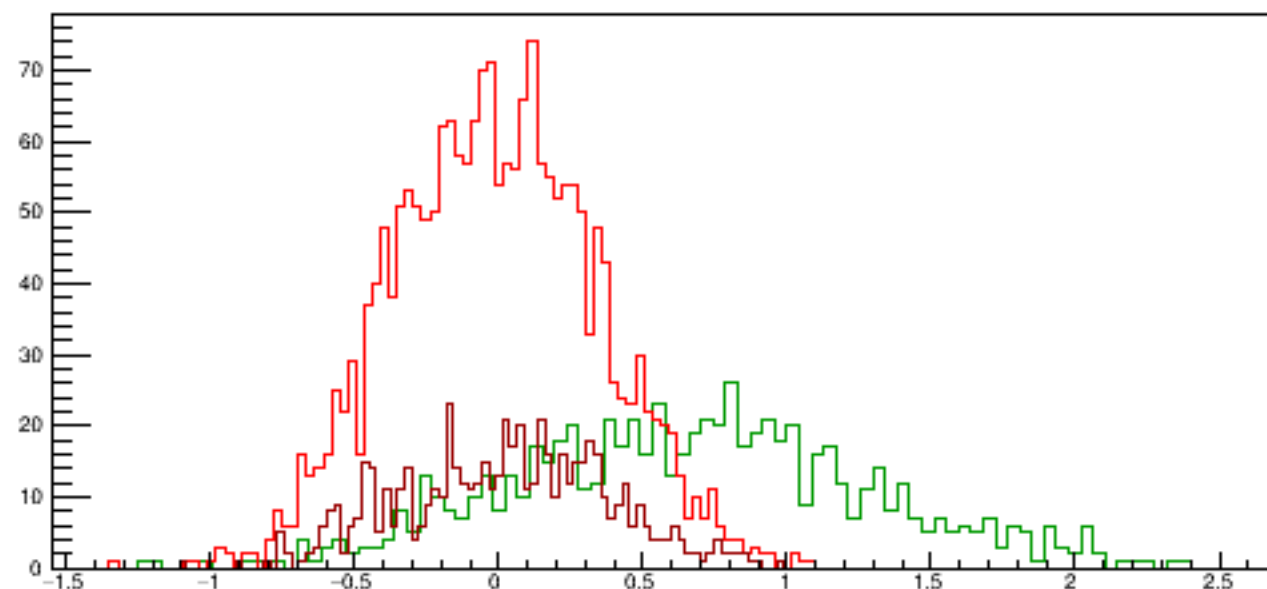
Std Dev: 0.6258 +/- 0.0164

Entries: 604

Mean: 0.0213 +/- 0.0146

Std Dev: 0.3588 +/- 0.0103

Run 5204 quartetwise, Diffs



Cycle 6, Sums

Entries: 2062

Mean: 1.9656 +/- 0.0071

Std Dev: 0.3213 +/- 0.0050

Entries: 724

Mean: 22.3249 +/- 0.0303

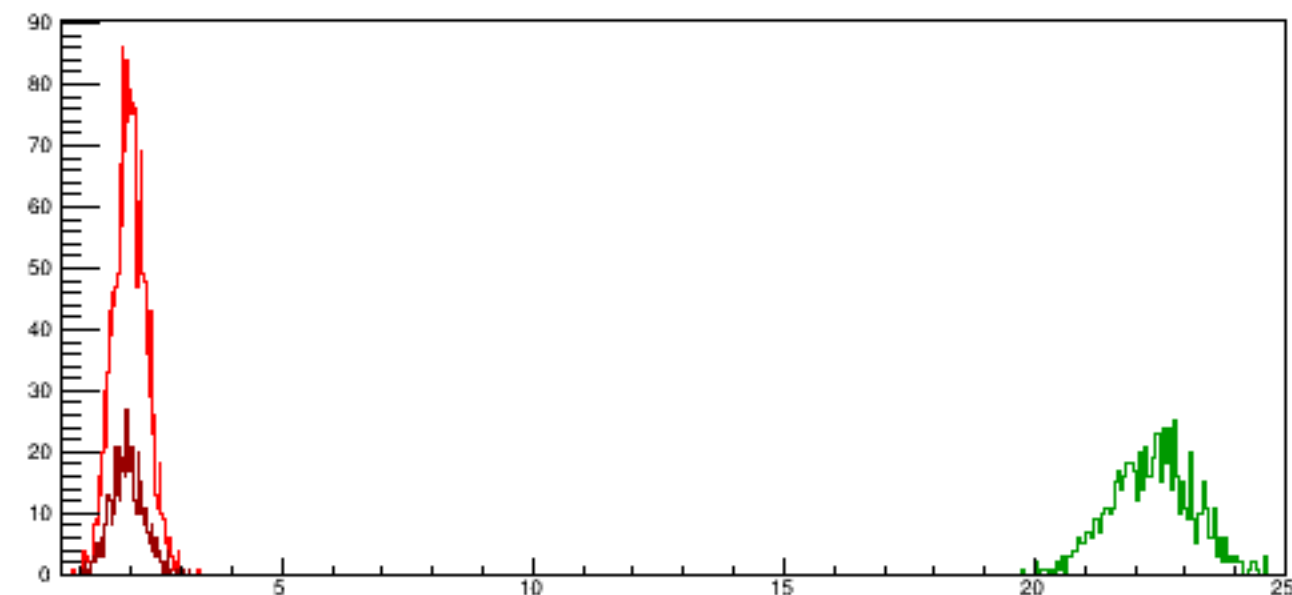
Std Dev: 0.8153 +/- 0.0214

Entries: 604

Mean: 1.9220 +/- 0.0137

Std Dev: 0.3362 +/- 0.0097

Run 5204 quartetwise, Sums



Cycle 6, Asyms

Entries: 2062

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0172 +/- 0.0003

Entries: 724

Mean: 0.0325 +/- 0.0011

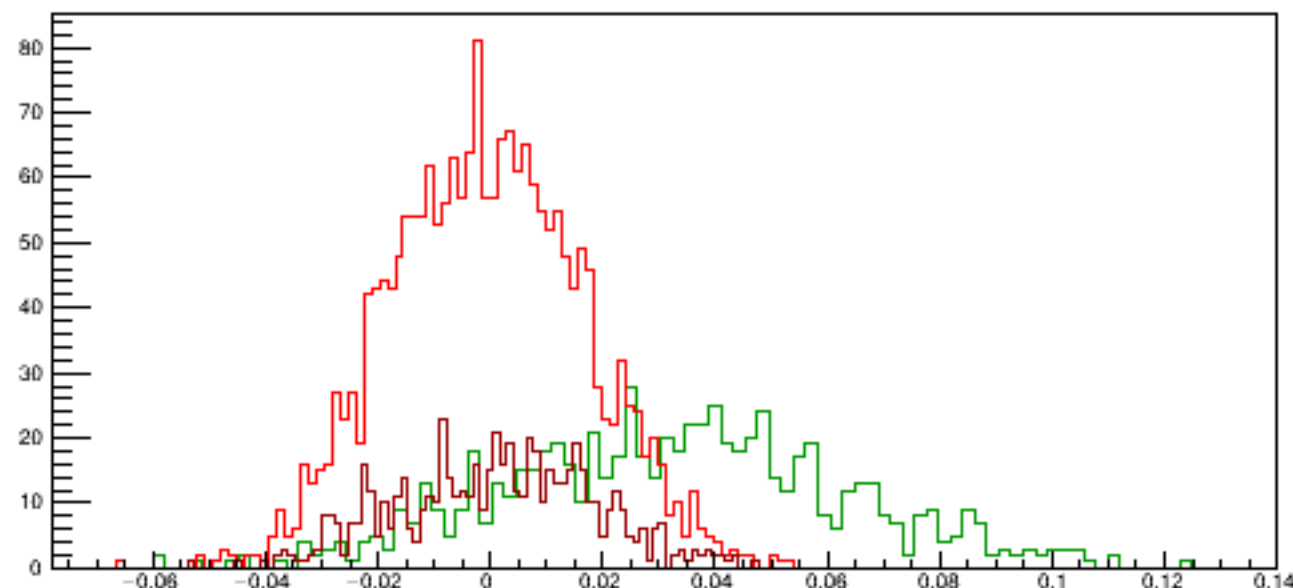
Std Dev: 0.0307 +/- 0.0008

Entries: 604

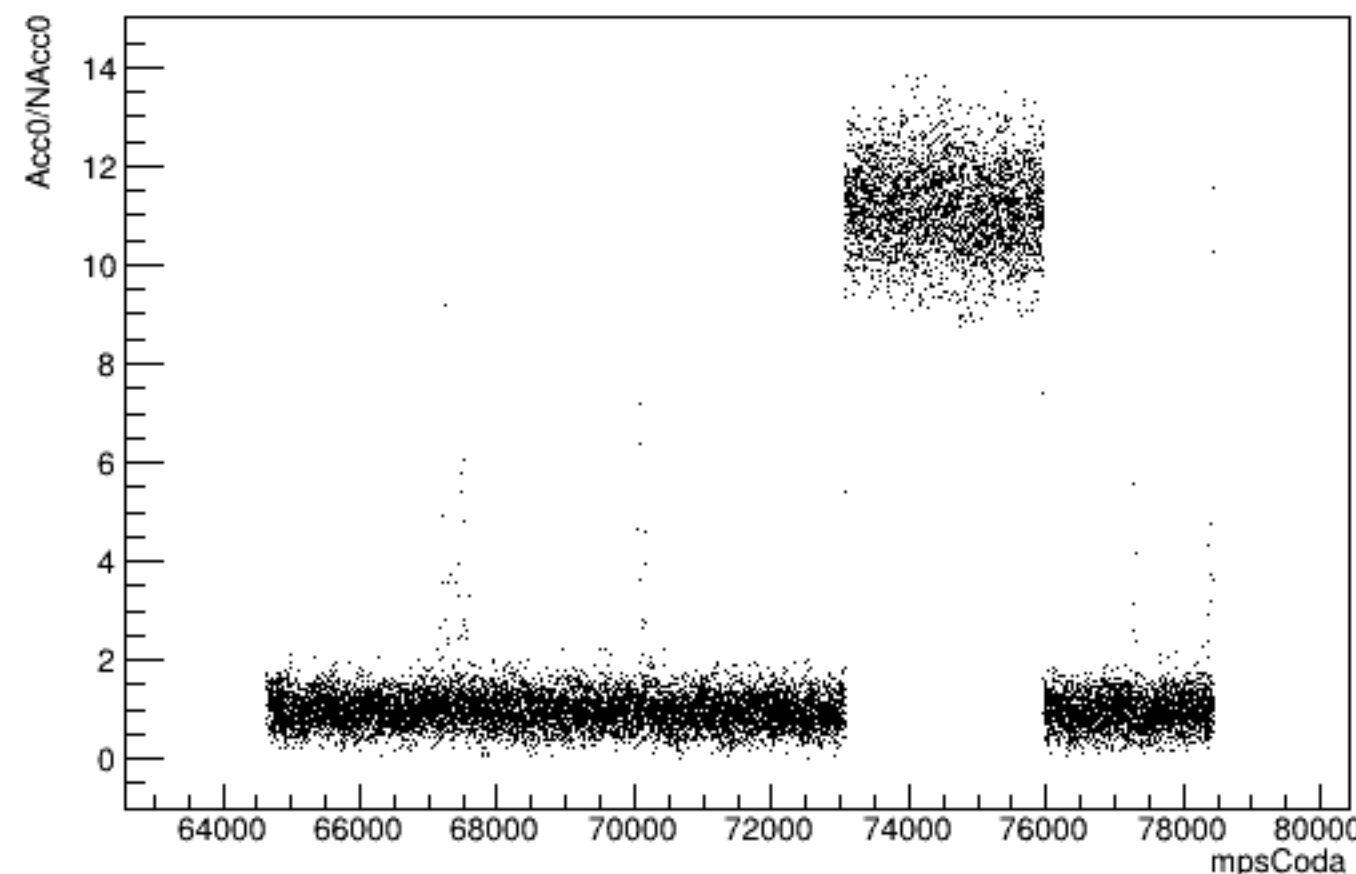
Mean: 0.0010 +/- 0.0007

Std Dev: 0.0176 +/- 0.0005

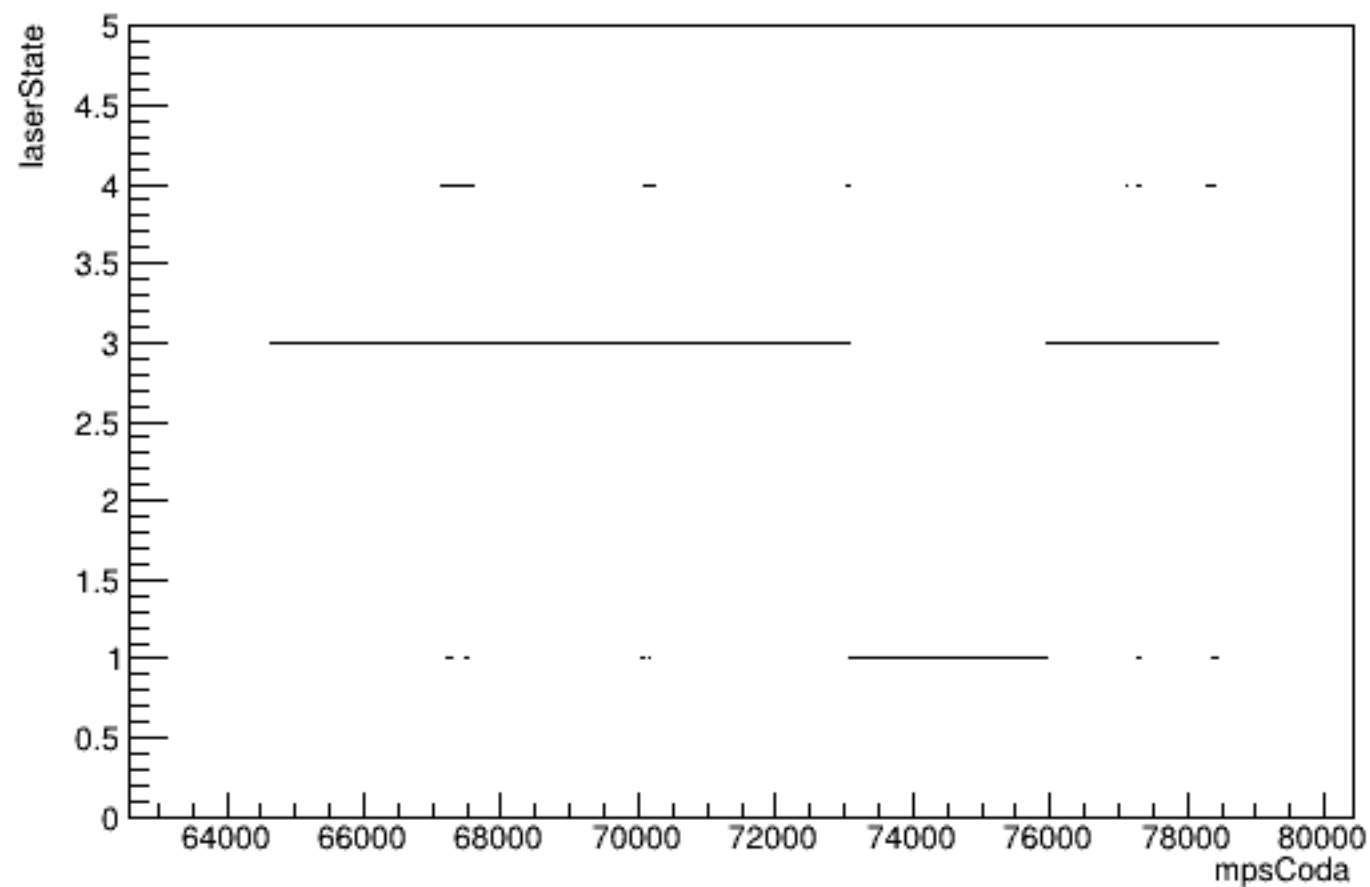
Run 5204 quartetwise, Asyms



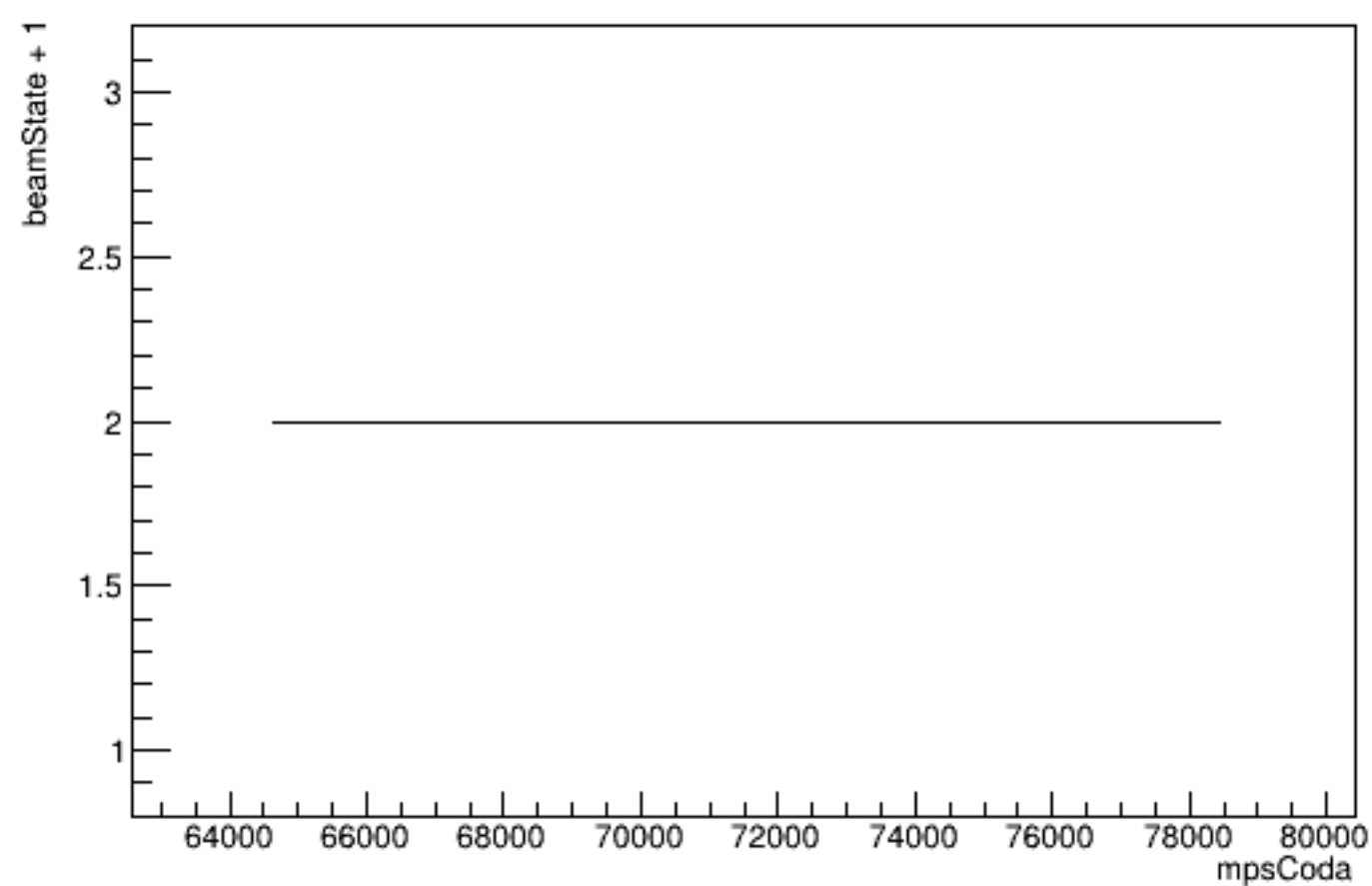
Acc0/NAcc0:mpsCoda {mpsCoda>=64652 && mpsCoda<=78439 && beamState==1}



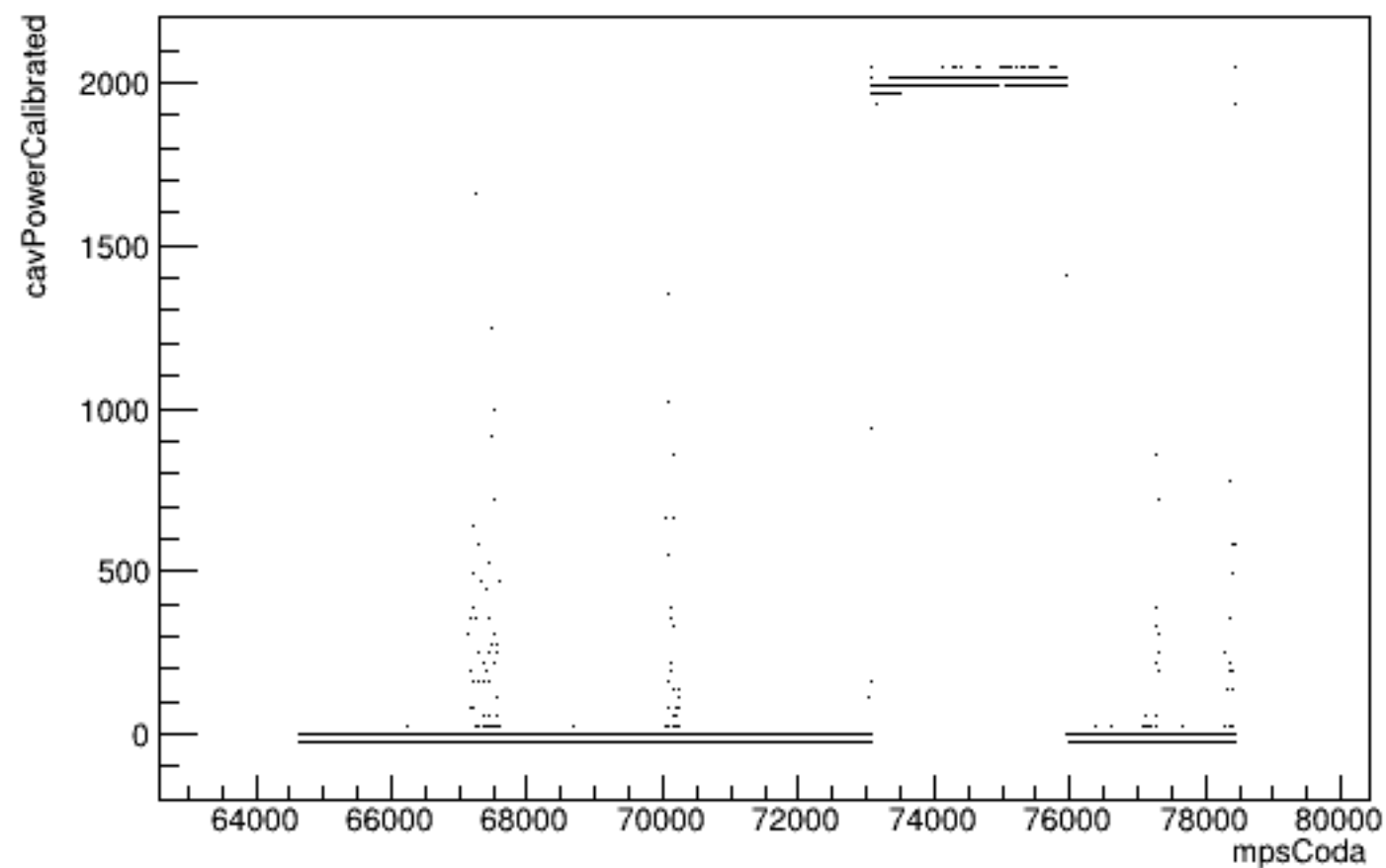
laserState:mpsCoda {mpsCoda>=64652 && mpsCoda<=78439}



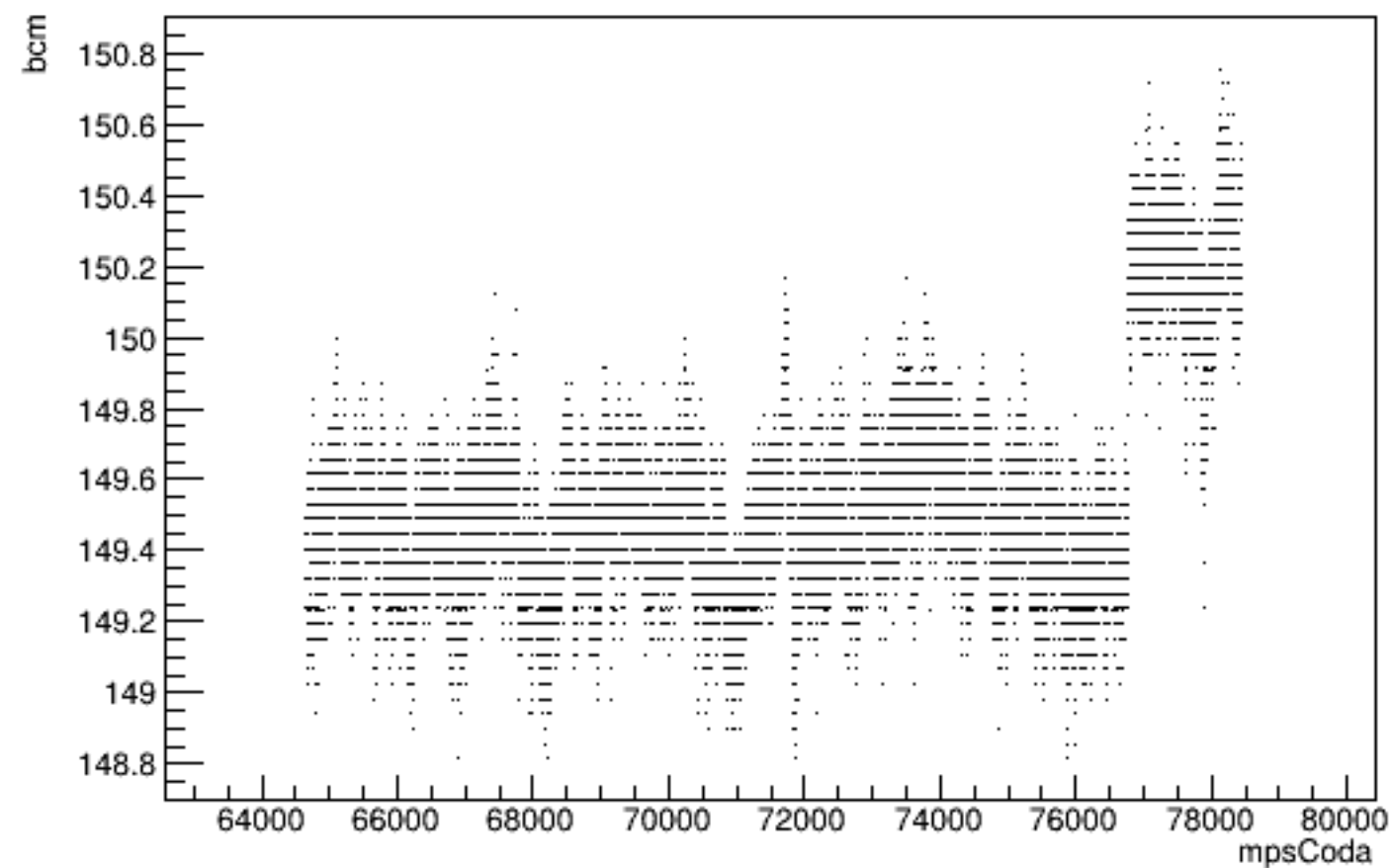
beamState + 1:mpsCoda {mpsCoda>=64652 && mpsCoda<=78439}



cavPowerCalibrated:mpsCoda {mpsCoda>=64652 && mpsCoda<=78439}



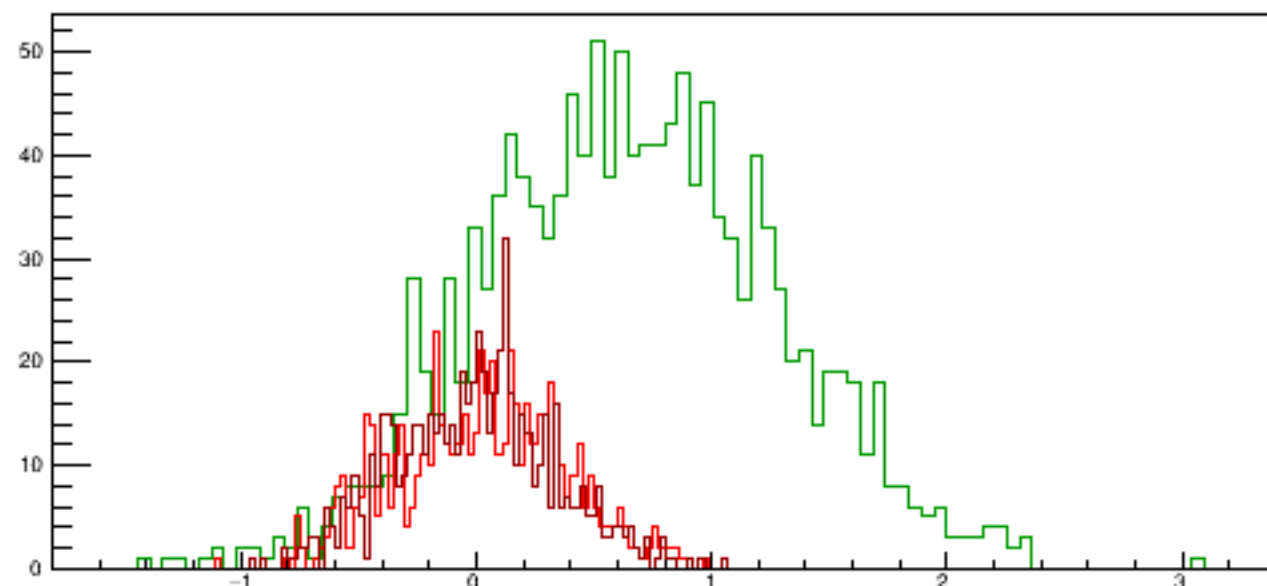
bcm:mpsCoda {mpsCoda>=64652 && mpsCoda<=78439}



Cycle 7, Diffs

Entries: 604	Entries: 1377	Entries: 641
Mean: 0.0213 +/- 0.0146	Mean: 0.6484 +/- 0.0170	Mean: -0.0091 +/- 0.0134
Std Dev: 0.3588 +/- 0.0103	Std Dev: 0.6312 +/- 0.0120	Std Dev: 0.3380 +/- 0.0094

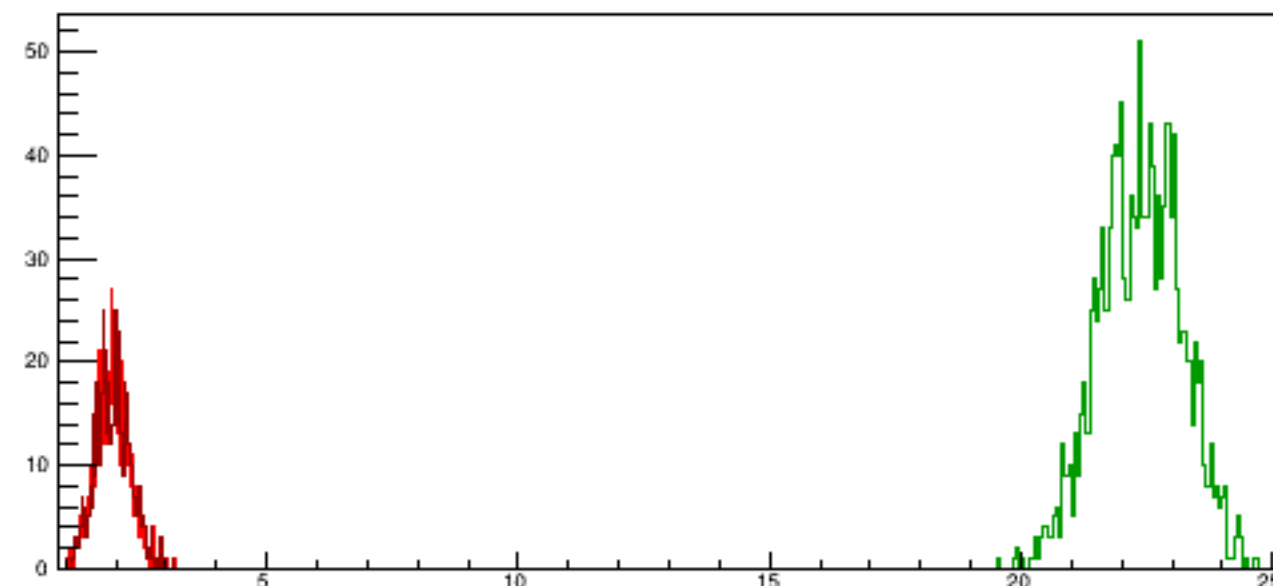
Run 5204 quartetwise, Diffs



Cycle 7, Sums

Entries: 604	Entries: 1377	Entries: 641
Mean: 1.9220 +/- 0.0137	Mean: 22.3617 +/- 0.0222	Mean: 1.9462 +/- 0.0136
Std Dev: 0.3362 +/- 0.0097	Std Dev: 0.8221 +/- 0.0157	Std Dev: 0.3447 +/- 0.0096

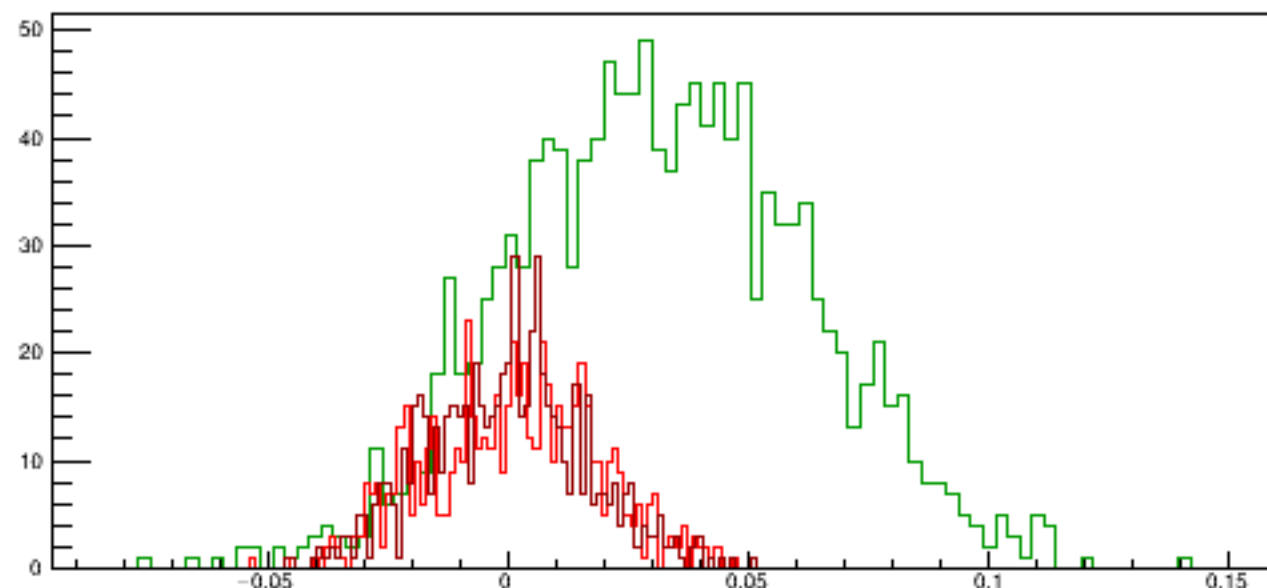
Run 5204 quartetwise, Sums



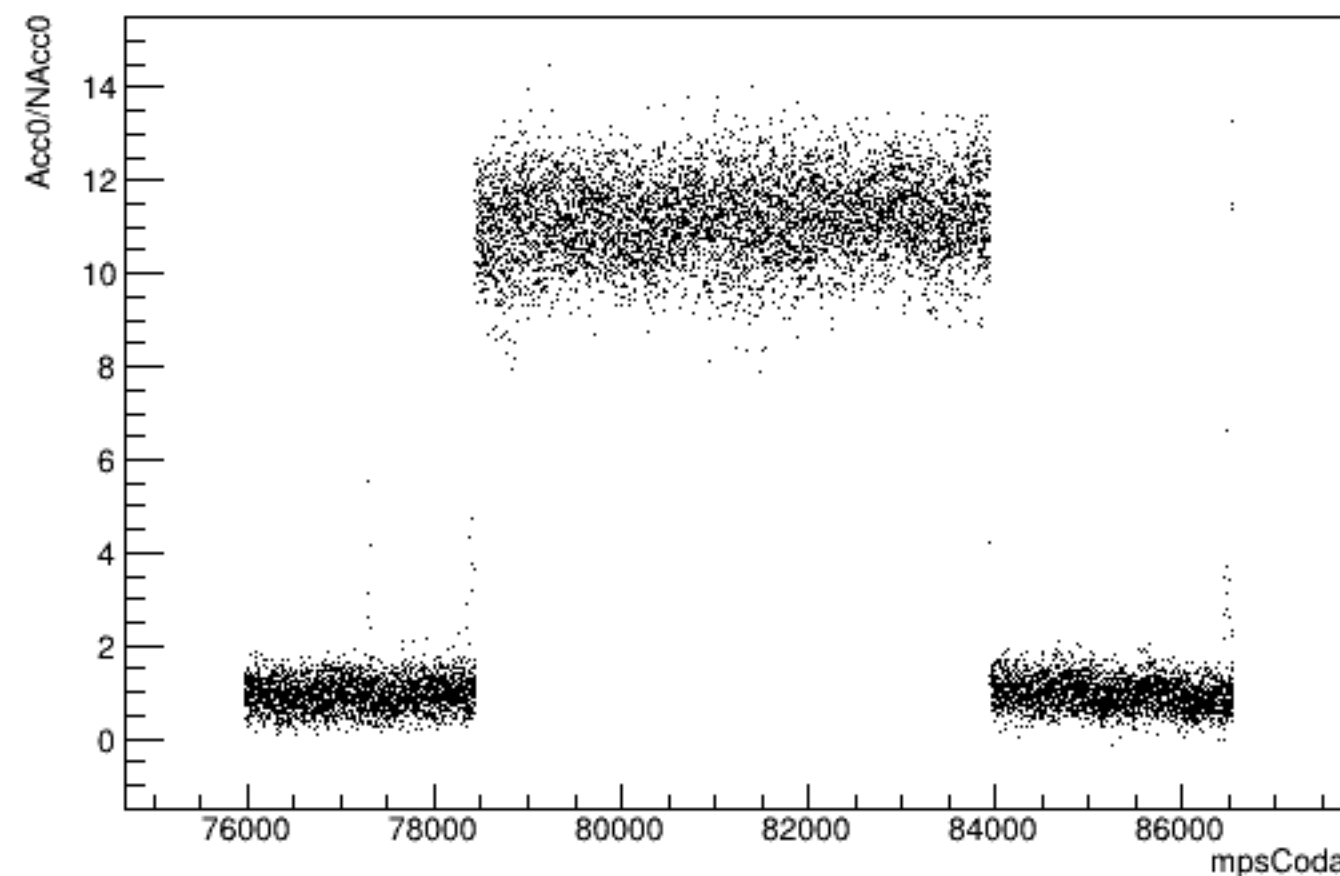
Cycle 7, Asyms

Entries: 604	Entries: 1377	Entries: 641
Mean: 0.0010 +/- 0.0007	Mean: 0.0317 +/- 0.0008	Mean: -0.0004 +/- 0.0007
Std Dev: 0.0176 +/- 0.0005	Std Dev: 0.0309 +/- 0.0006	Std Dev: 0.0165 +/- 0.0005

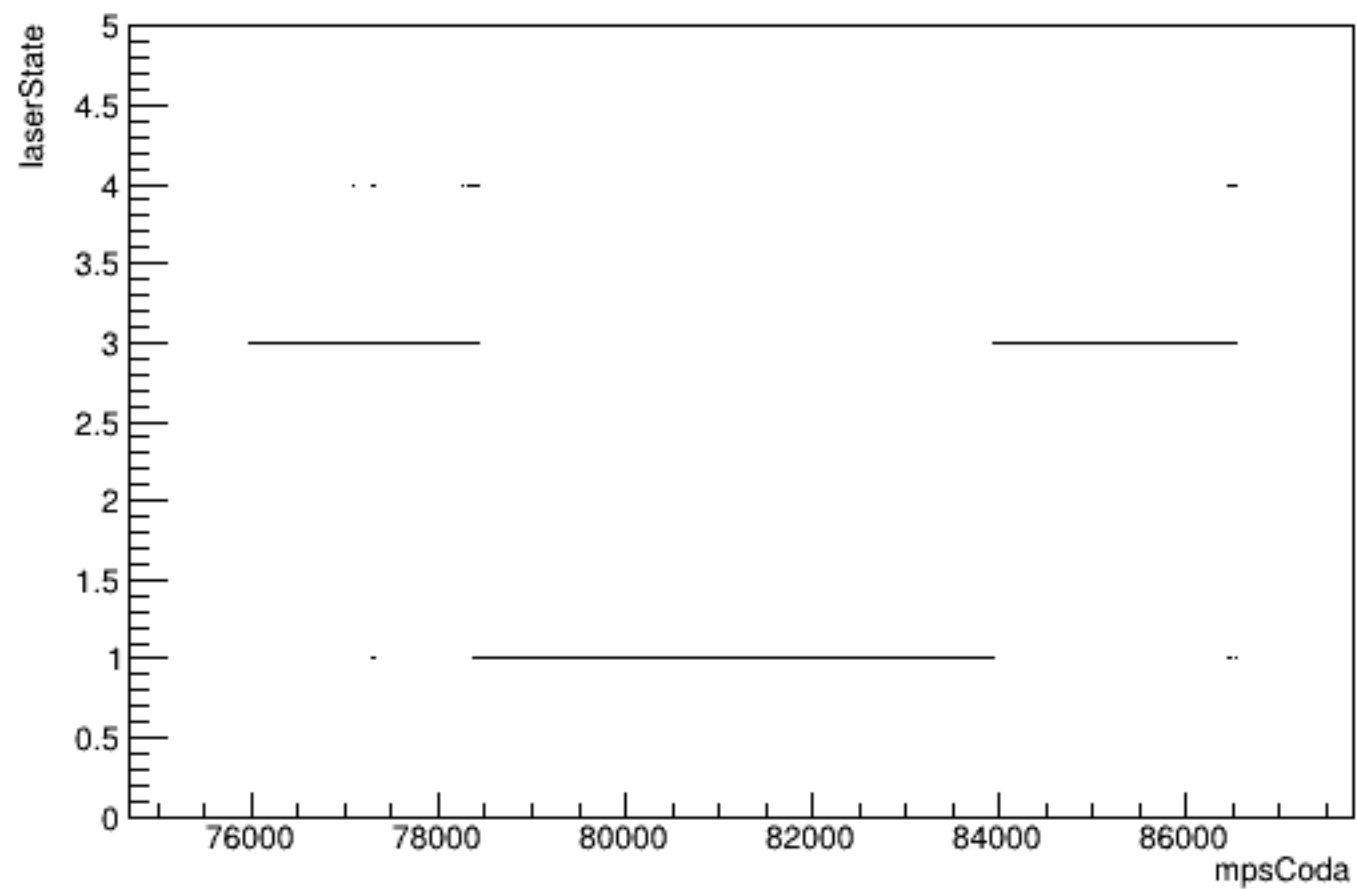
Run 5204 quartetwise, Asyms



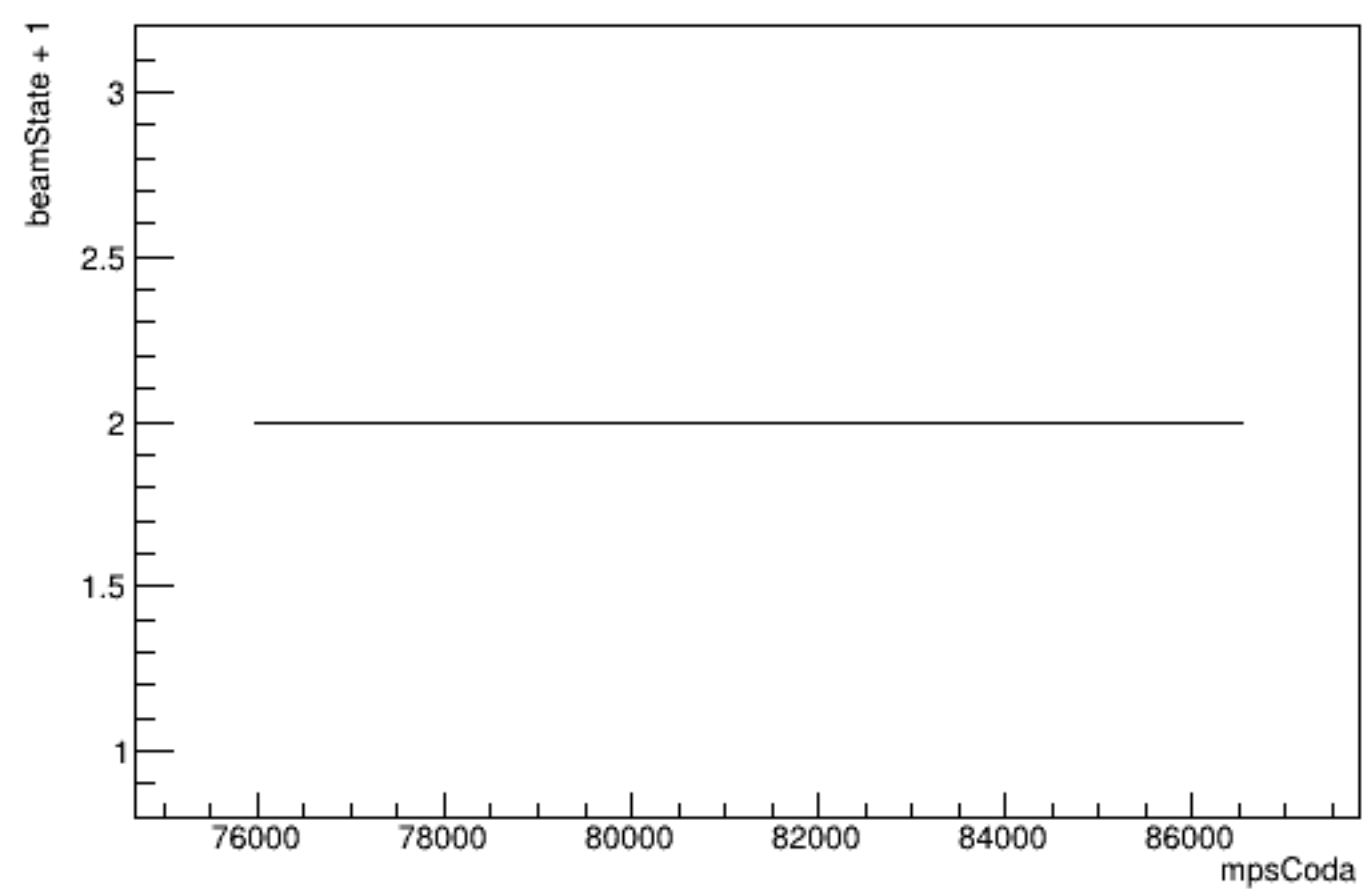
Acc0/NAcc0:mpsCoda {mpsCoda>=75968 && mpsCoda<=86547 && beamState==1}



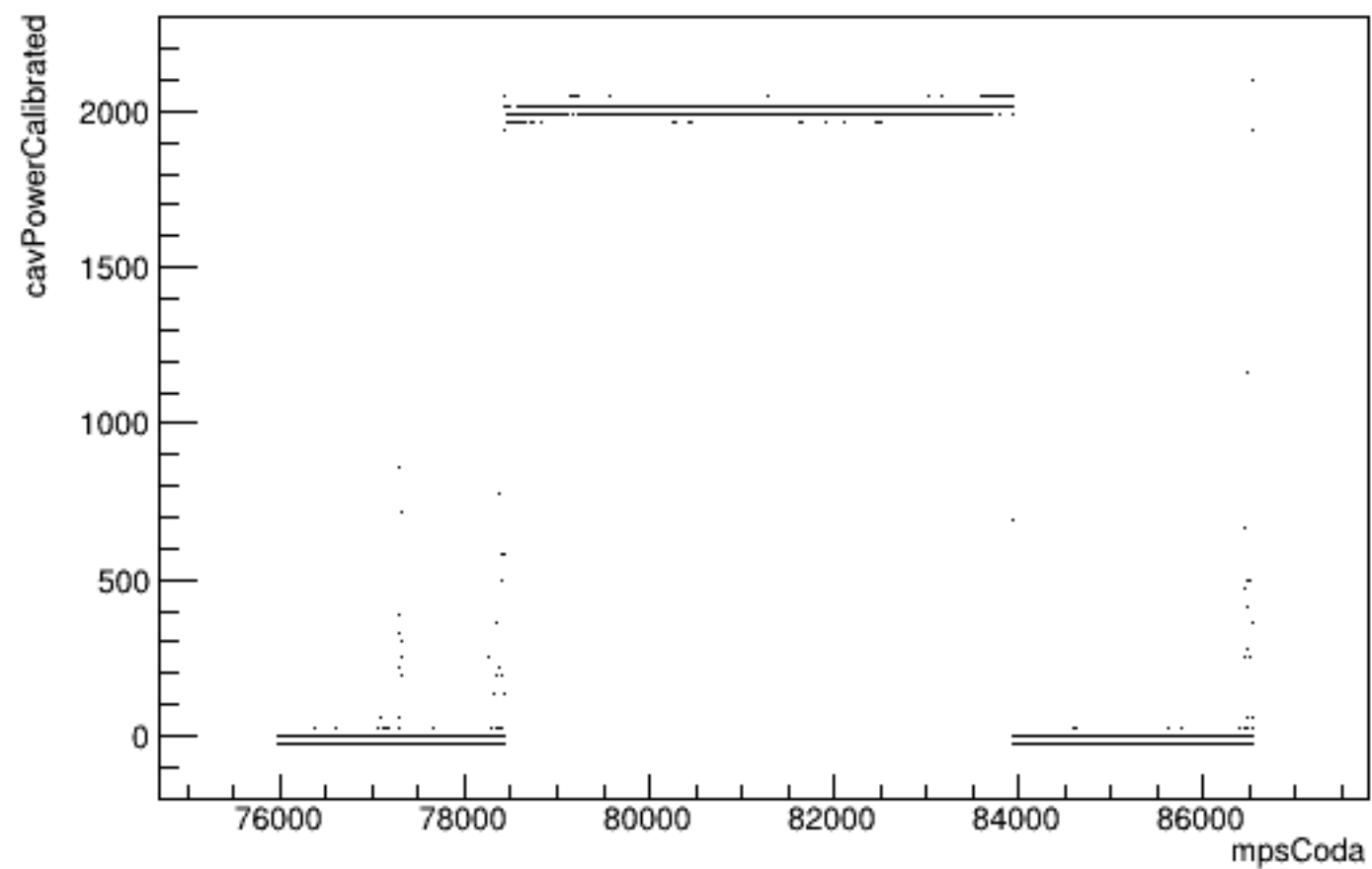
laserState:mpsCoda {mpsCoda>=75968 && mpsCoda<=86547}



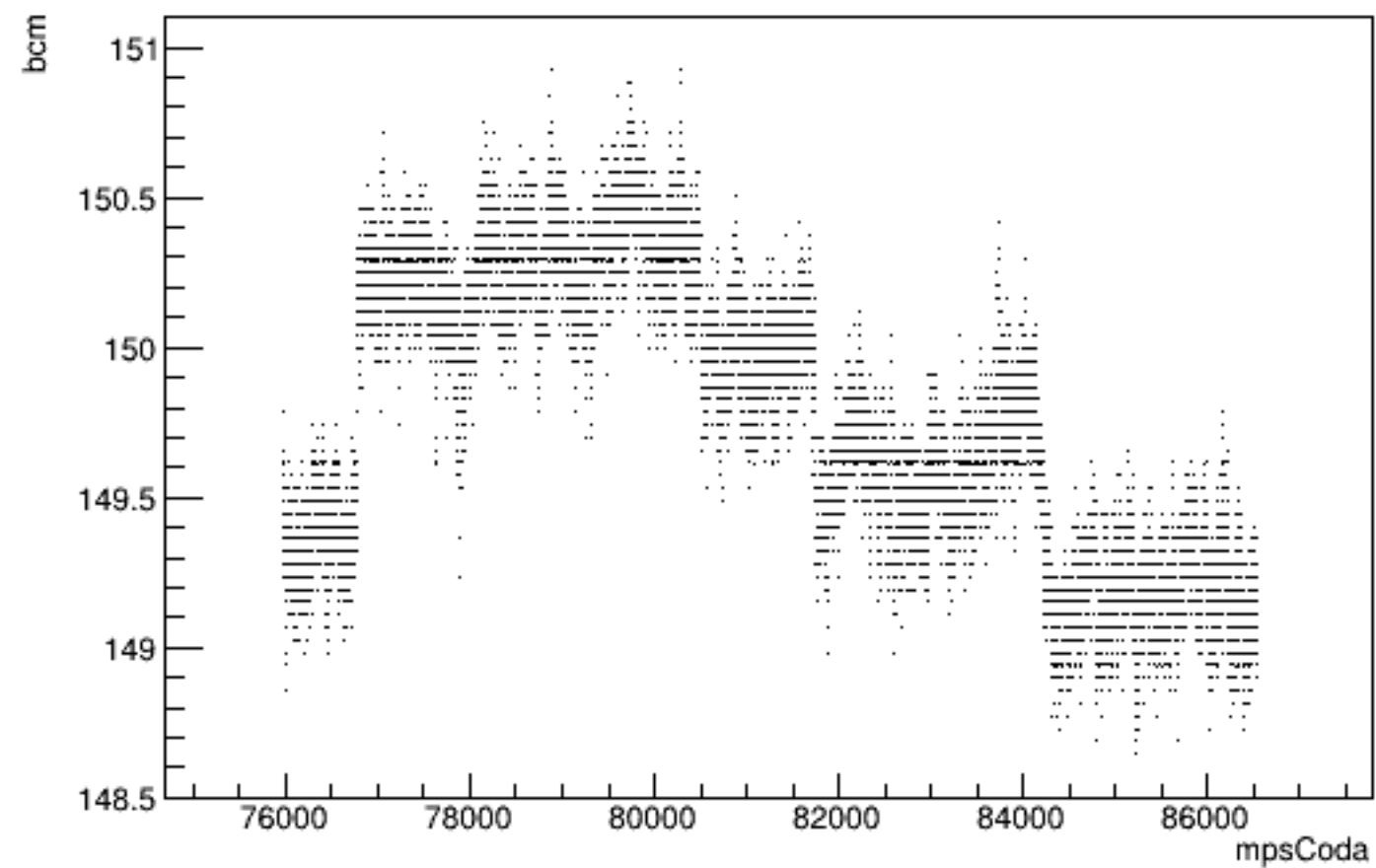
beamState + 1:mpsCoda {mpsCoda>=75968 && mpsCoda<=86547}



cavPowerCalibrated:mpsCoda {mpsCoda>=75968 && mpsCoda<=86547}



bcm:mpsCoda {mpsCoda>=75968 && mpsCoda<=86547}



Cycle 8, Diffs

Entries: 641

Mean: -0.0091 +/- 0.0134

Std Dev: 0.3380 +/- 0.0094

Entries: 1326

Mean: 0.6531 +/- 0.0179

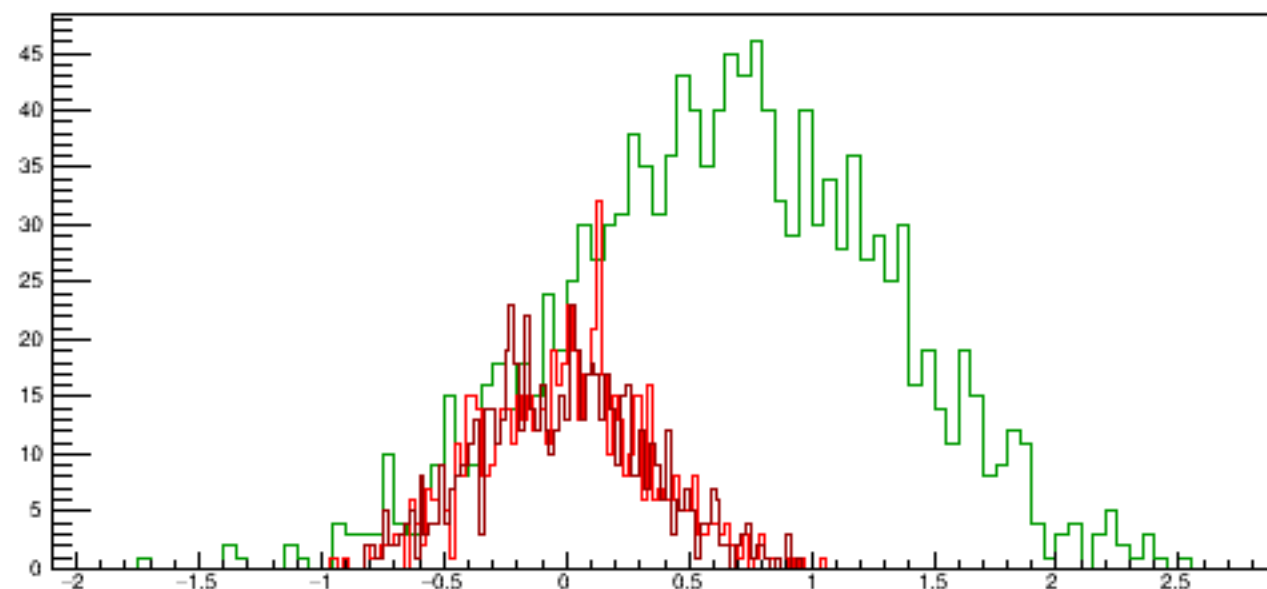
Std Dev: 0.6530 +/- 0.0127

Entries: 706

Mean: -0.0141 +/- 0.0129

Std Dev: 0.3428 +/- 0.0091

Run 5204 quartetwise, Diffs



Cycle 8, Sums

Entries: 641

Mean: 1.9462 +/- 0.0136

Std Dev: 0.3447 +/- 0.0096

Entries: 1326

Mean: 22.2556 +/- 0.0232

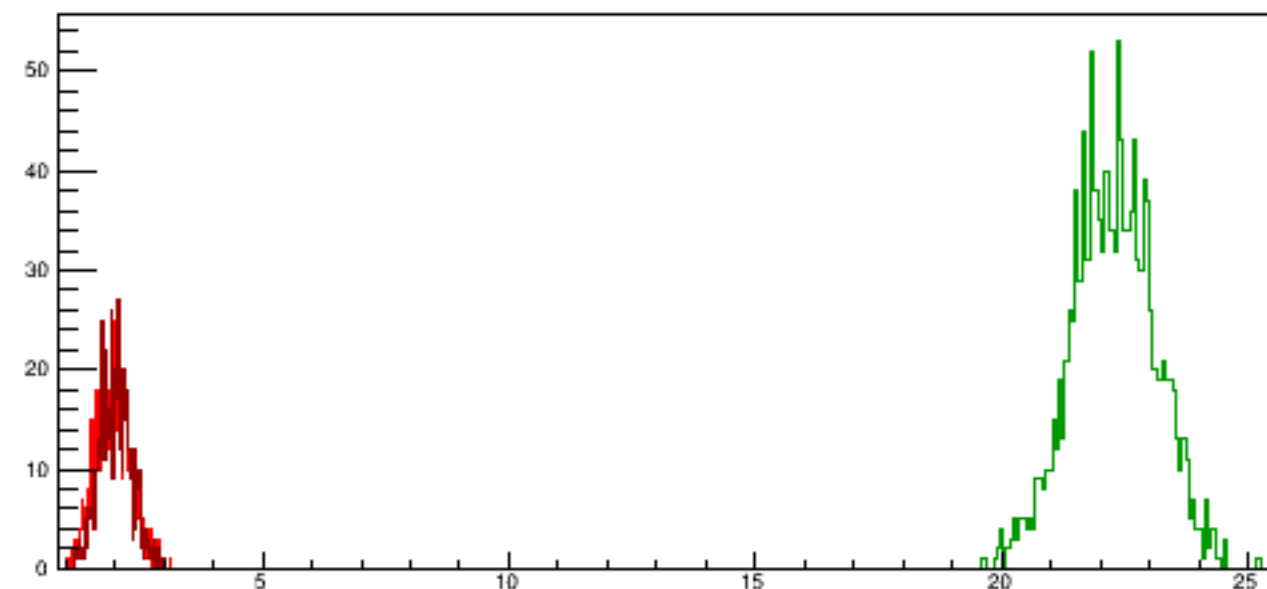
Std Dev: 0.8443 +/- 0.0164

Entries: 706

Mean: 2.0127 +/- 0.0123

Std Dev: 0.3257 +/- 0.0087

Run 5204 quartetwise, Sums



Cycle 8, Asyms

Entries: 641

Mean: -0.0005 +/- 0.0007

Std Dev: 0.0167 +/- 0.0005

Entries: 1326

Mean: 0.0322 +/- 0.0009

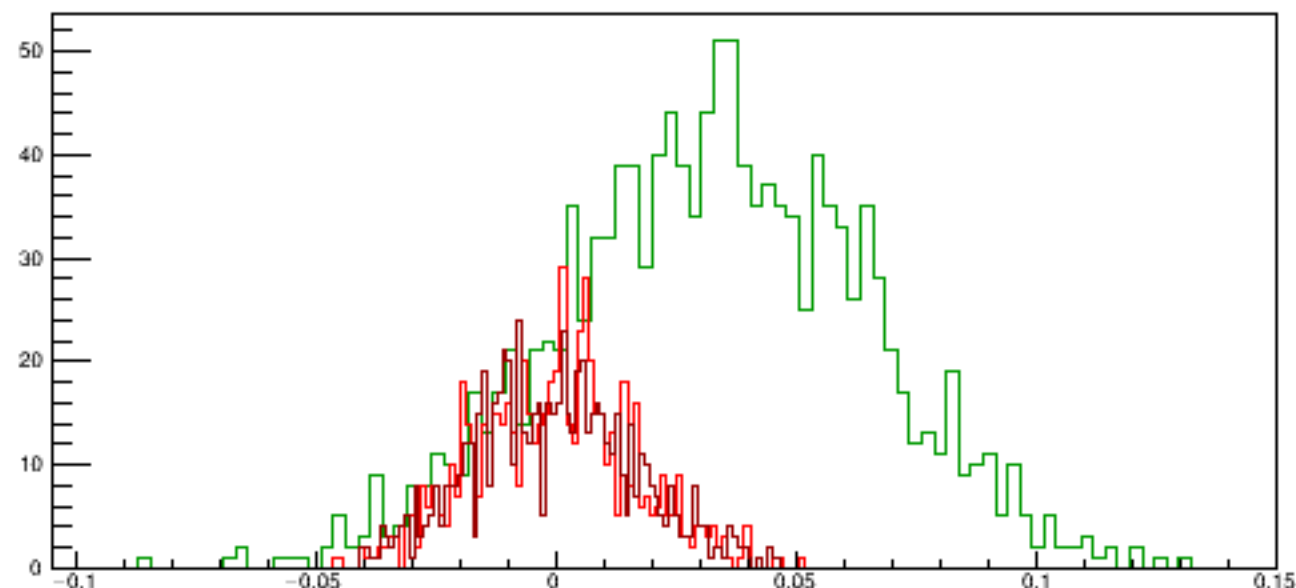
Std Dev: 0.0323 +/- 0.0006

Entries: 706

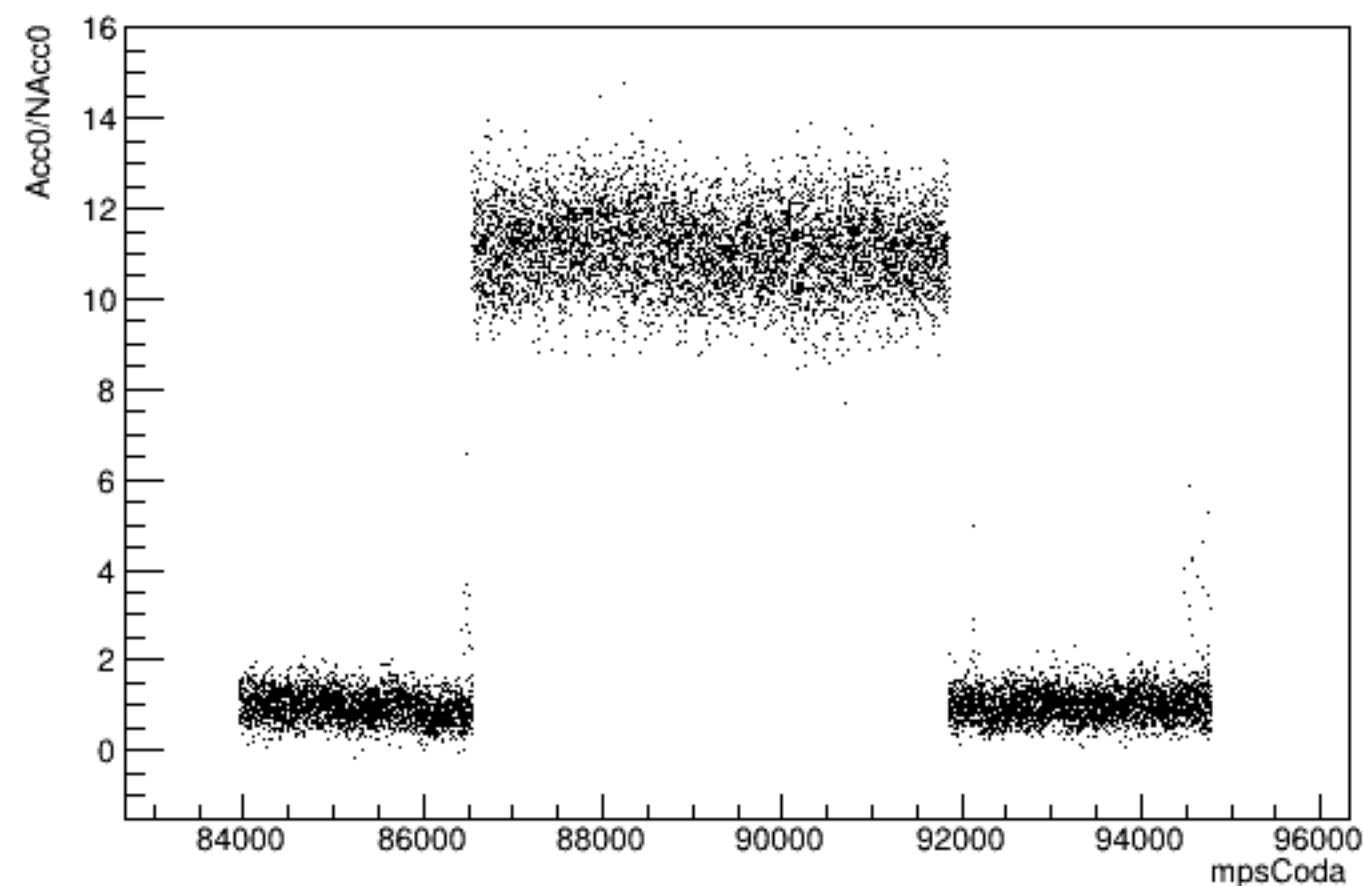
Mean: -0.0007 +/- 0.0006

Std Dev: 0.0169 +/- 0.0004

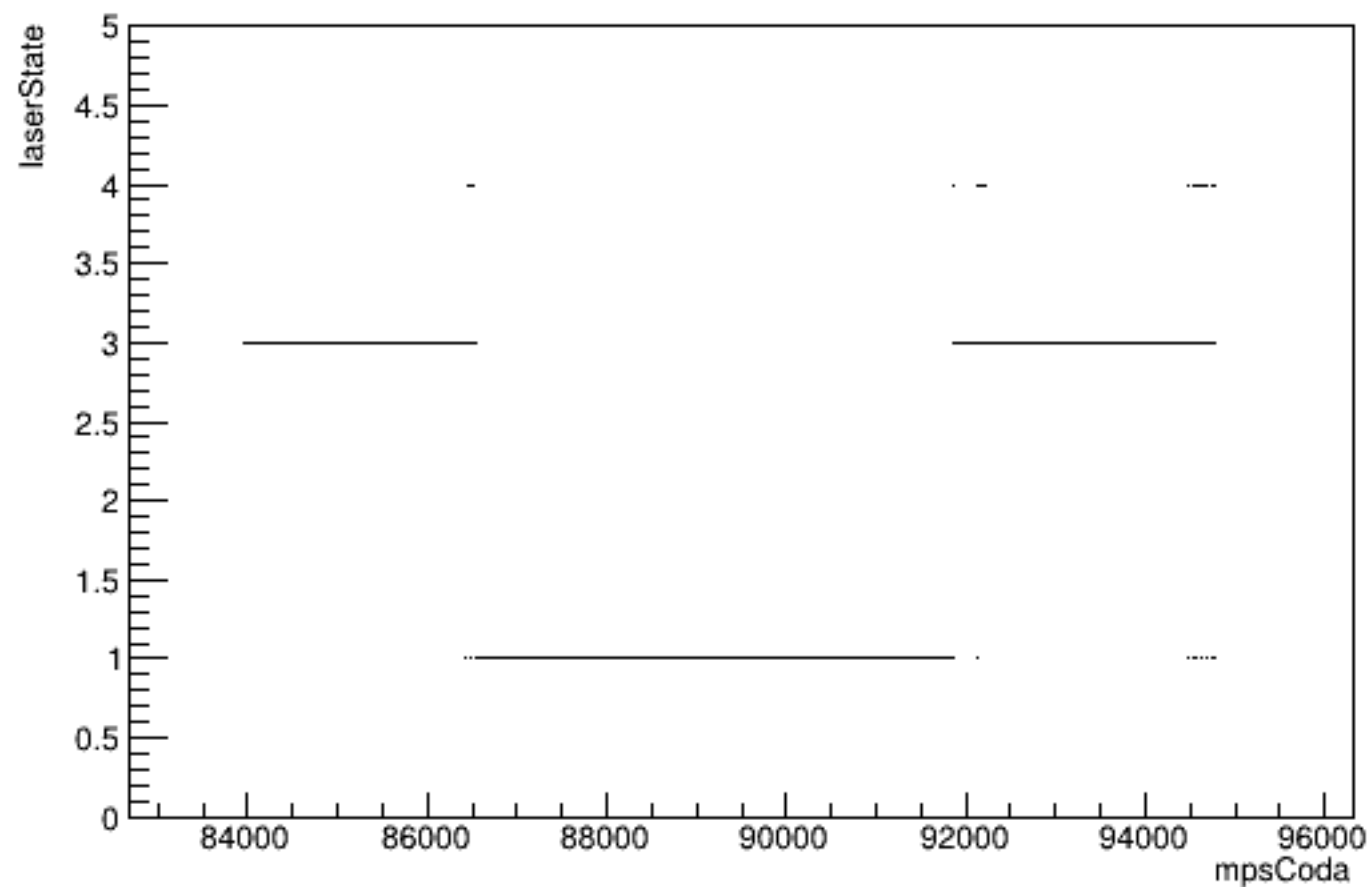
Run 5204 quartetwise, Asyms



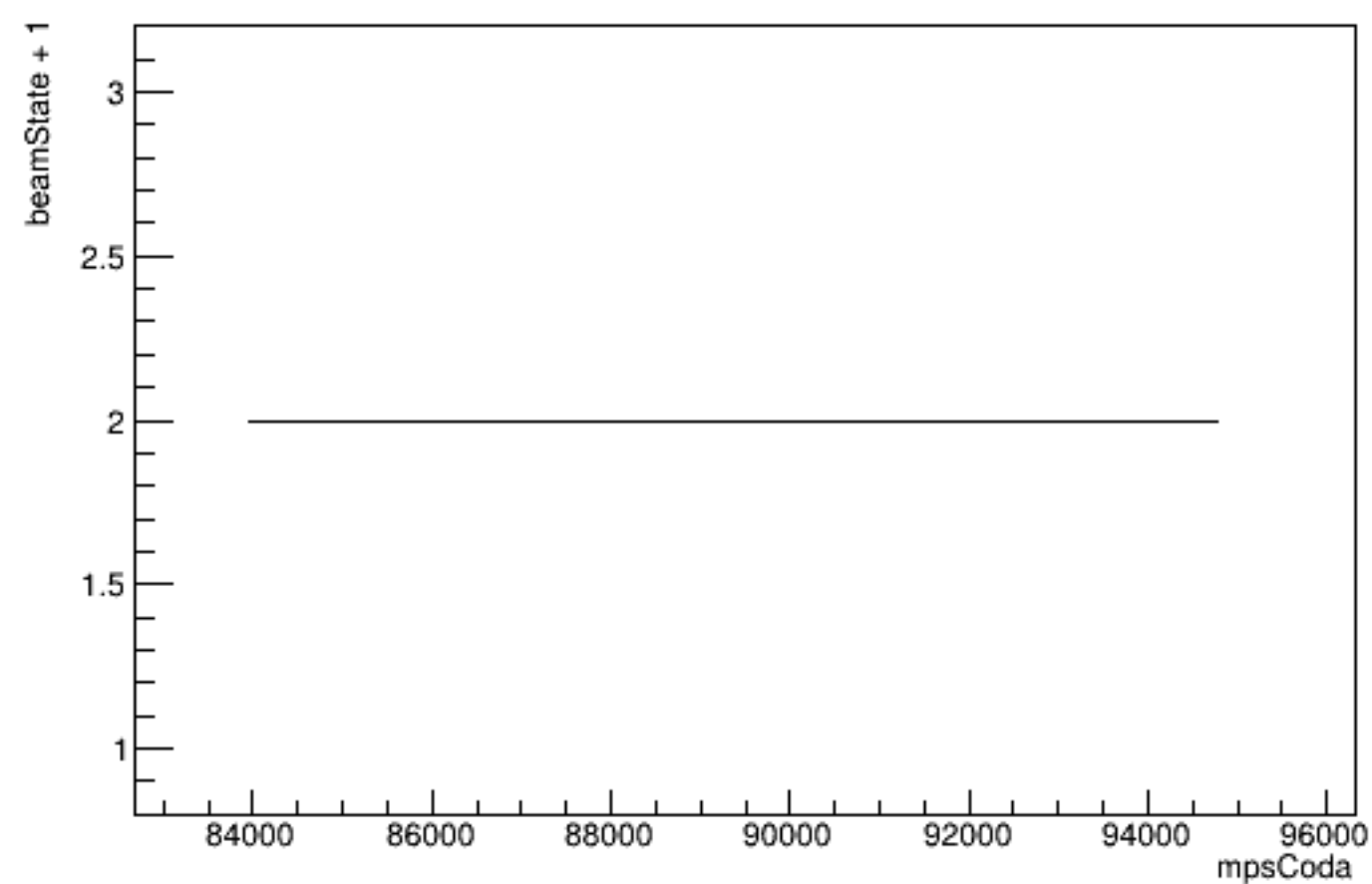
Acc0/NAcc0:mpsCoda {mpsCoda>=83952 && mpsCoda<=94779 && beamState==1}



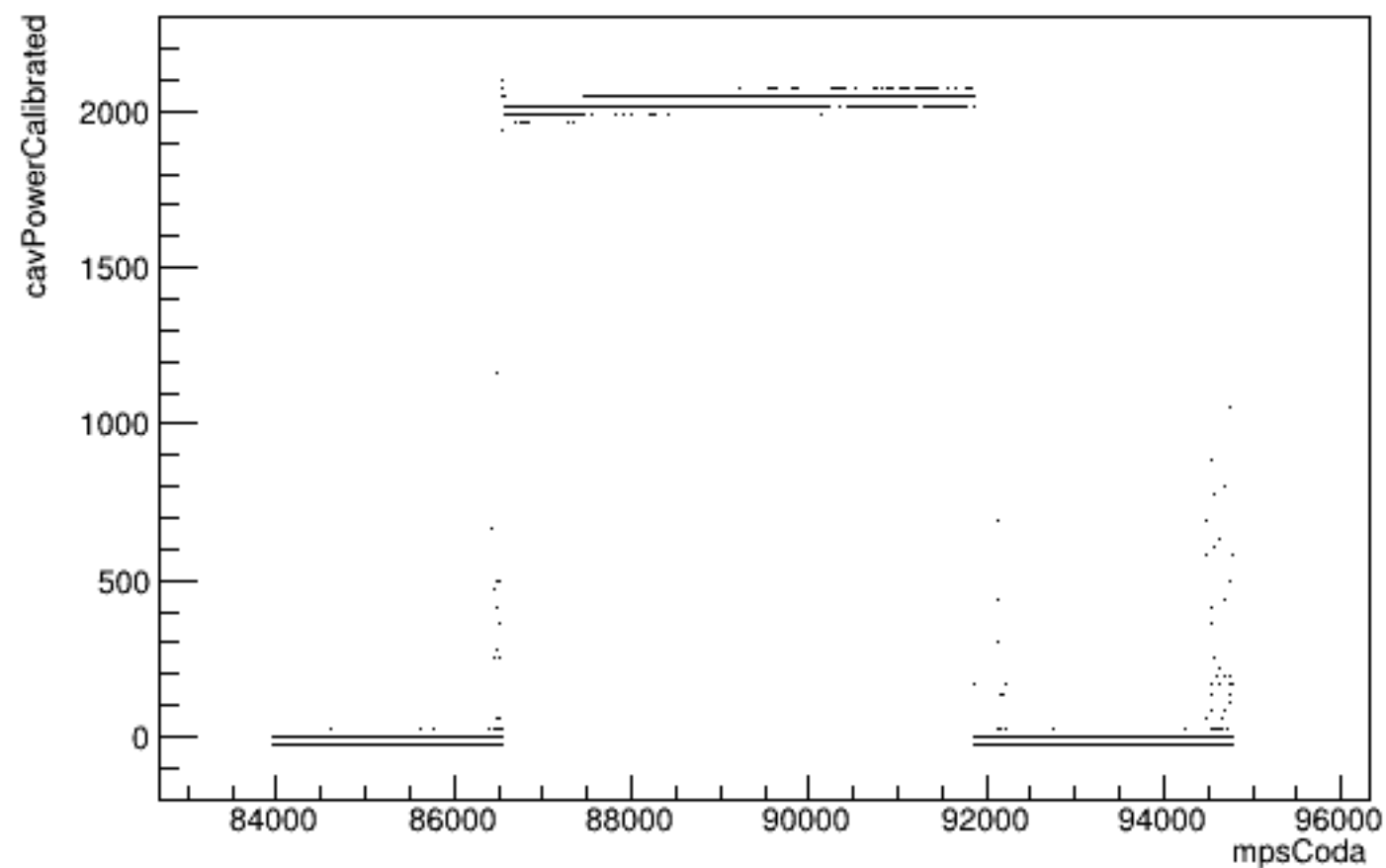
laserState:mpsCoda {mpsCoda>=83952 && mpsCoda<=94779}



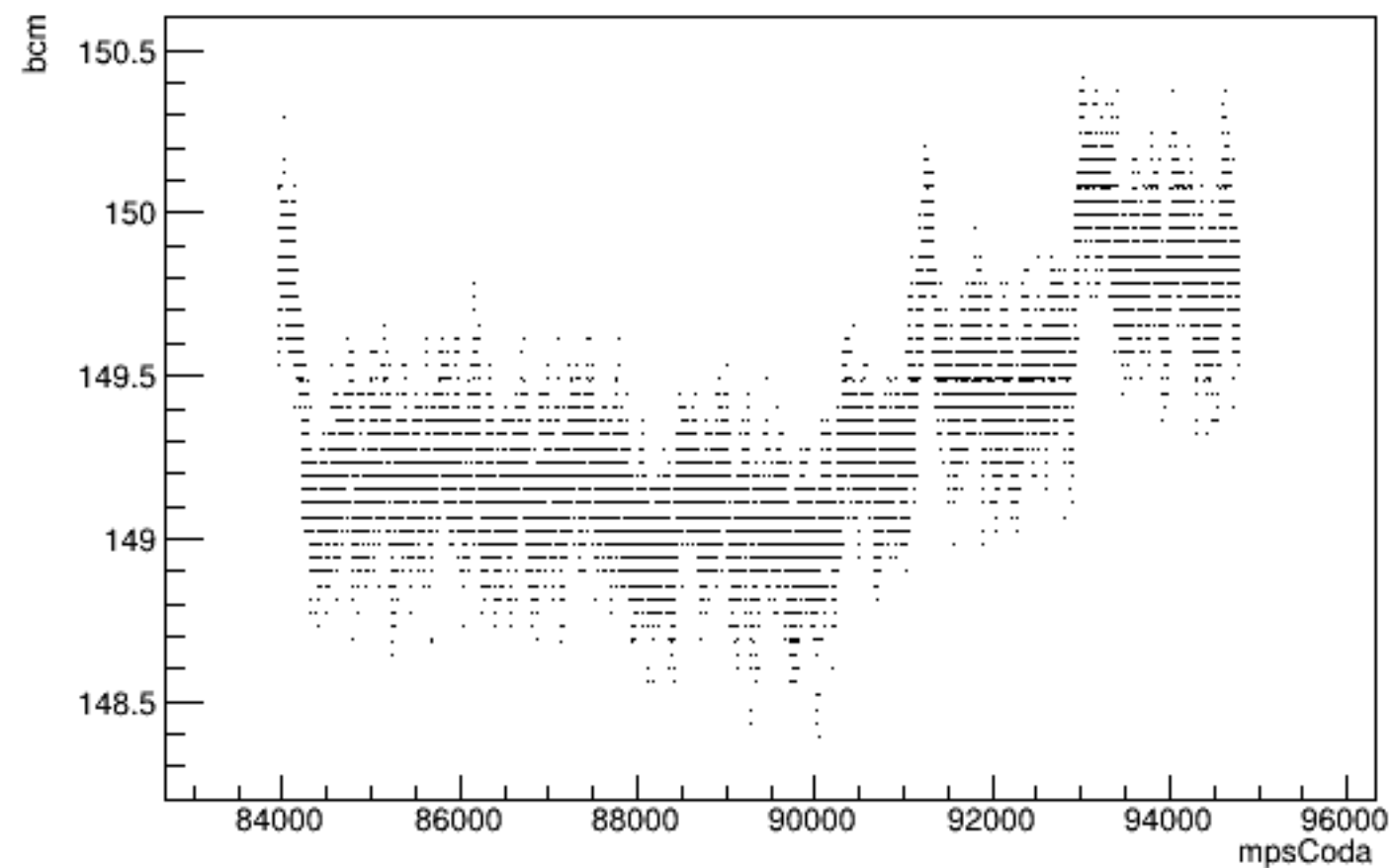
beamState + 1:mpsCoda {mpsCoda>=83952 && mpsCoda<=94779}



cavPowerCalibrated:mpsCoda {mpsCoda>=83952 && mpsCoda<=94779}



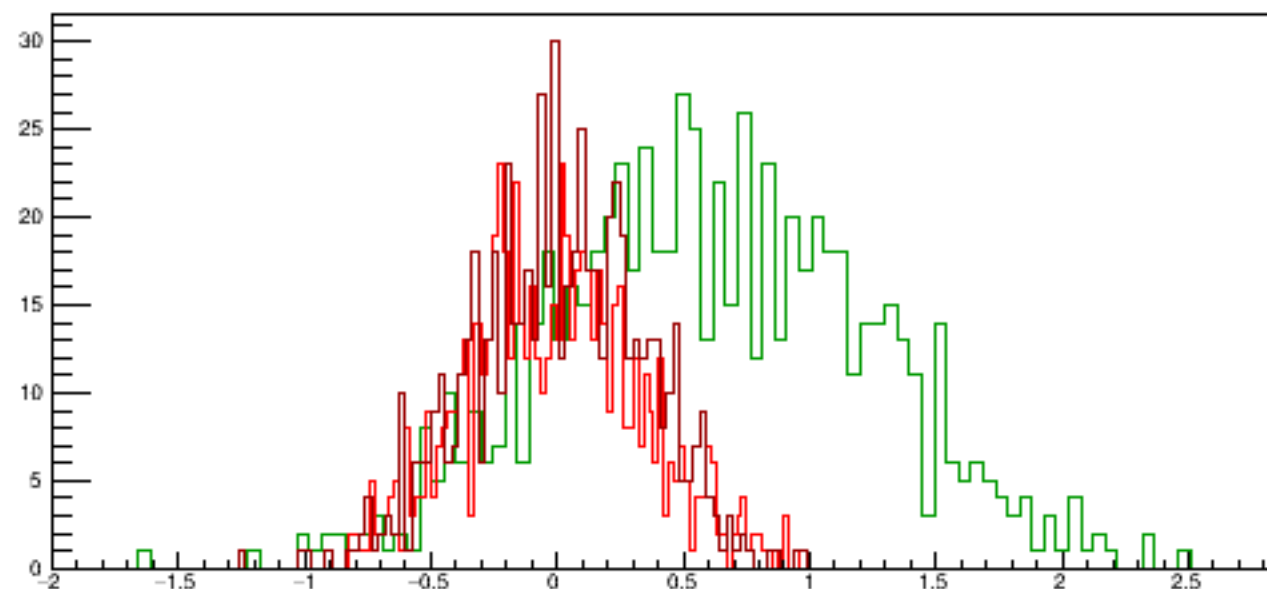
bcm:mpsCoda {mpsCoda>=83952 && mpsCoda<=94779}



Cycle 9, Diffs

Entries: 706	Entries: 717	Entries: 643
Mean: -0.0141 +/- 0.0129	Mean: 0.6066 +/- 0.0238	Mean: 0.0035 +/- 0.0135
Std Dev: 0.3428 +/- 0.0091	Std Dev: 0.6377 +/- 0.0168	Std Dev: 0.3415 +/- 0.0095

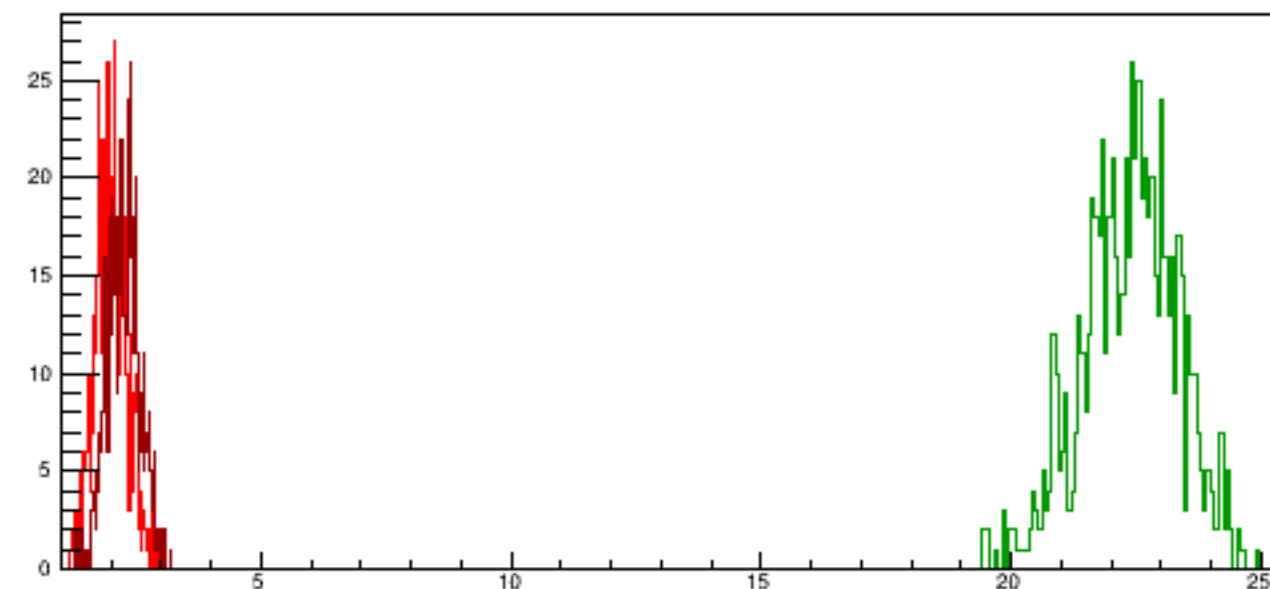
Run 5204 quartetwise, Diffs



Cycle 9, Sums

Entries: 706	Entries: 717	Entries: 643
Mean: 2.0127 +/- 0.0123	Mean: 22.3722 +/- 0.0357	Mean: 2.2497 +/- 0.0126
Std Dev: 0.3257 +/- 0.0087	Std Dev: 0.9551 +/- 0.0252	Std Dev: 0.3206 +/- 0.0089

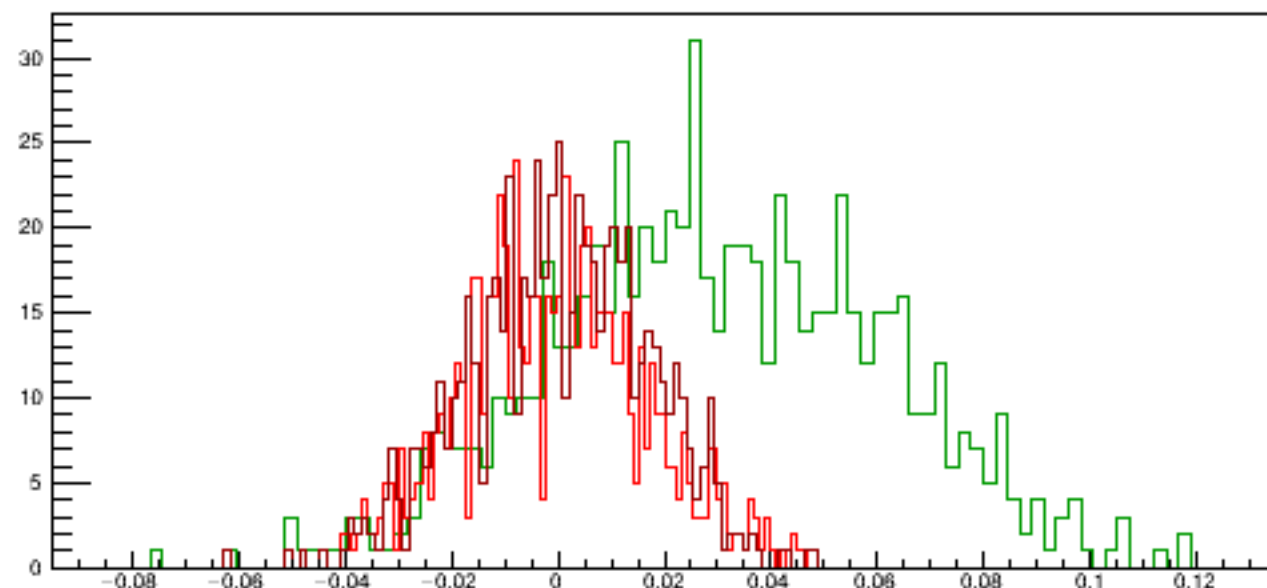
Run 5204 quartetwise, Sums



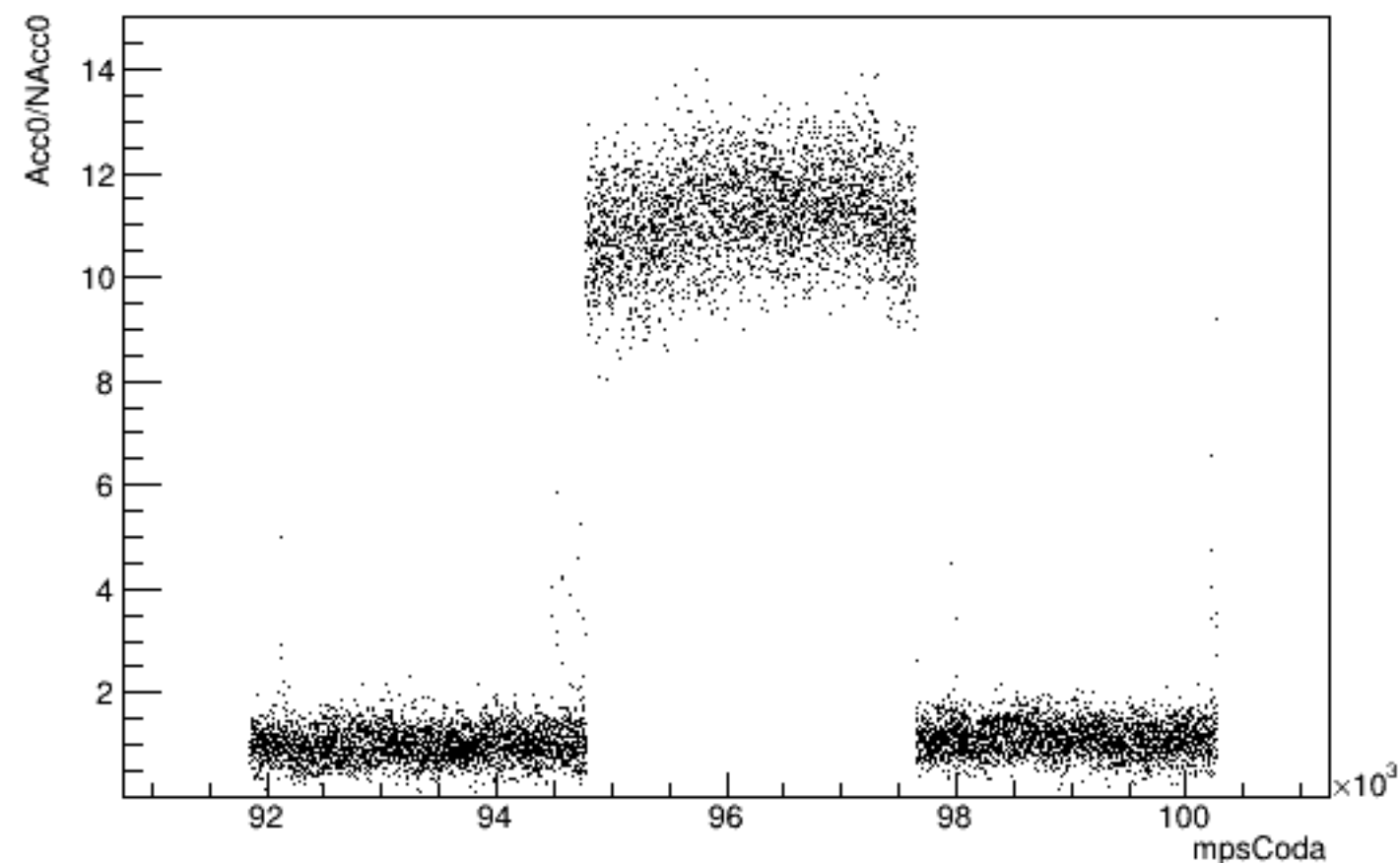
Cycle 9, Asyms

Entries: 706	Entries: 717	Entries: 643
Mean: -0.0007 +/- 0.0006	Mean: 0.0299 +/- 0.0012	Mean: 0.0002 +/- 0.0007
Std Dev: 0.0169 +/- 0.0005	Std Dev: 0.0315 +/- 0.0008	Std Dev: 0.0169 +/- 0.0005

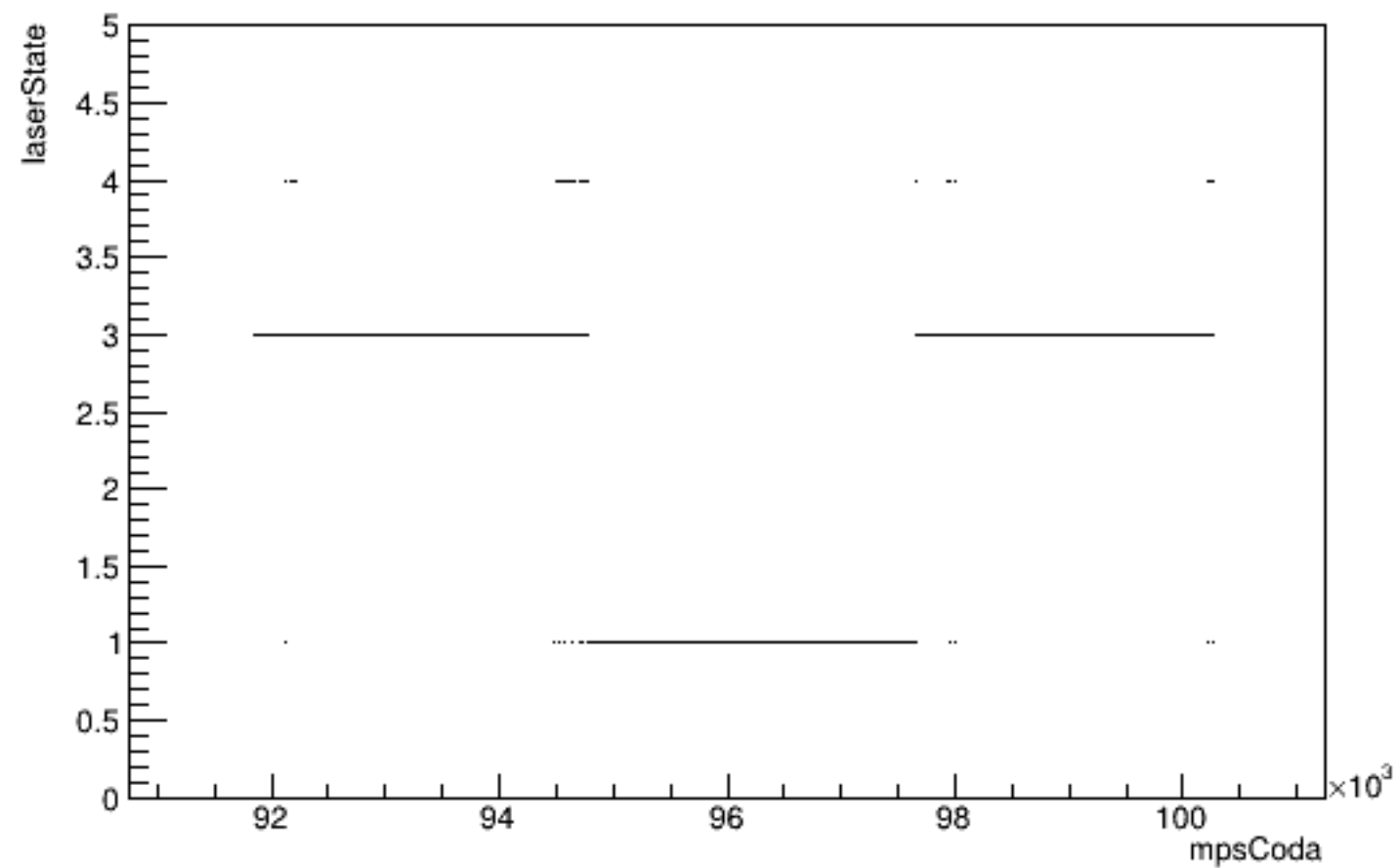
Run 5204 quartetwise, Asyms



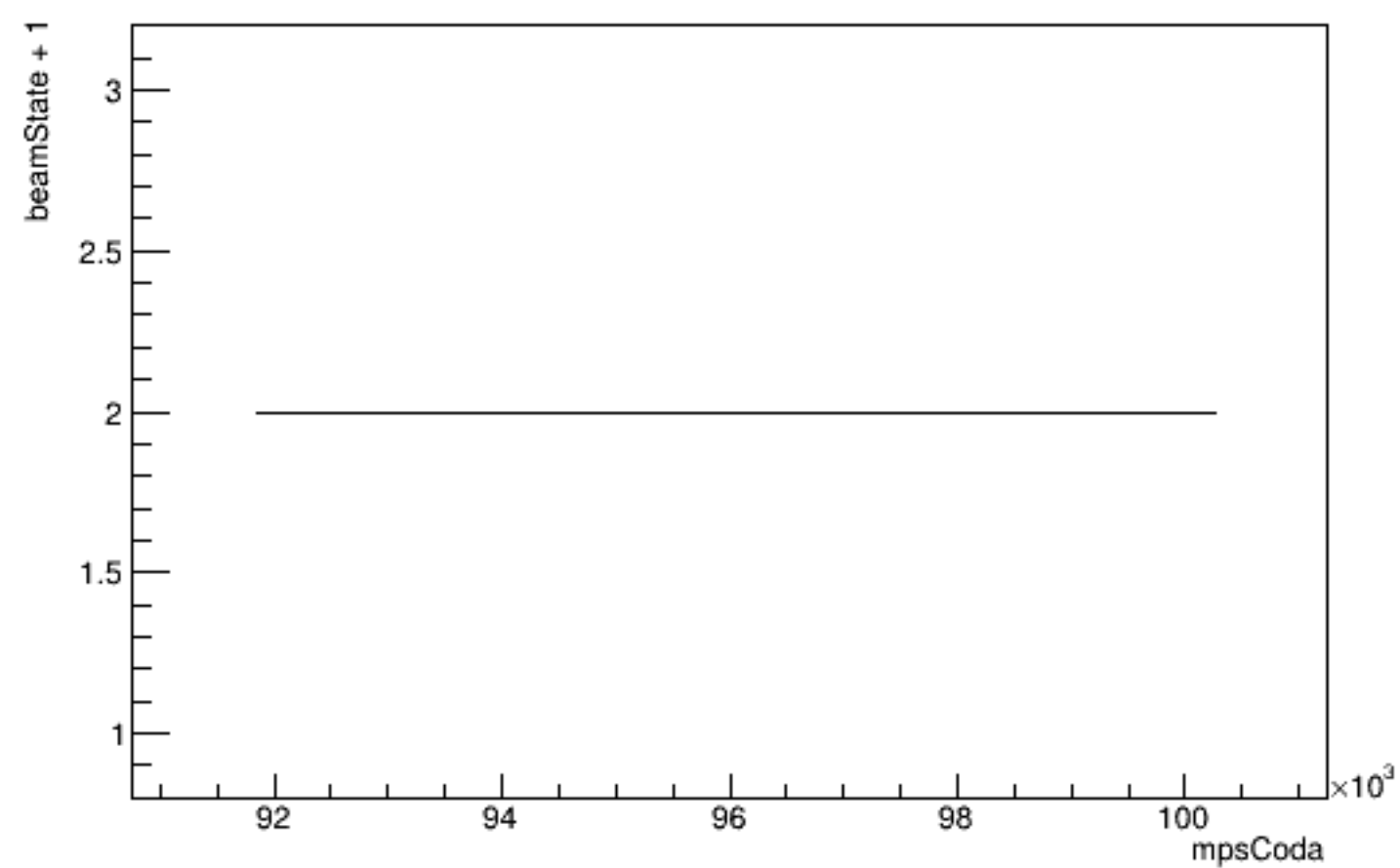
Acc0/NAcc0:mpsCoda {mpsCoda>=91856 && mpsCoda<=100267 && beamState==1}



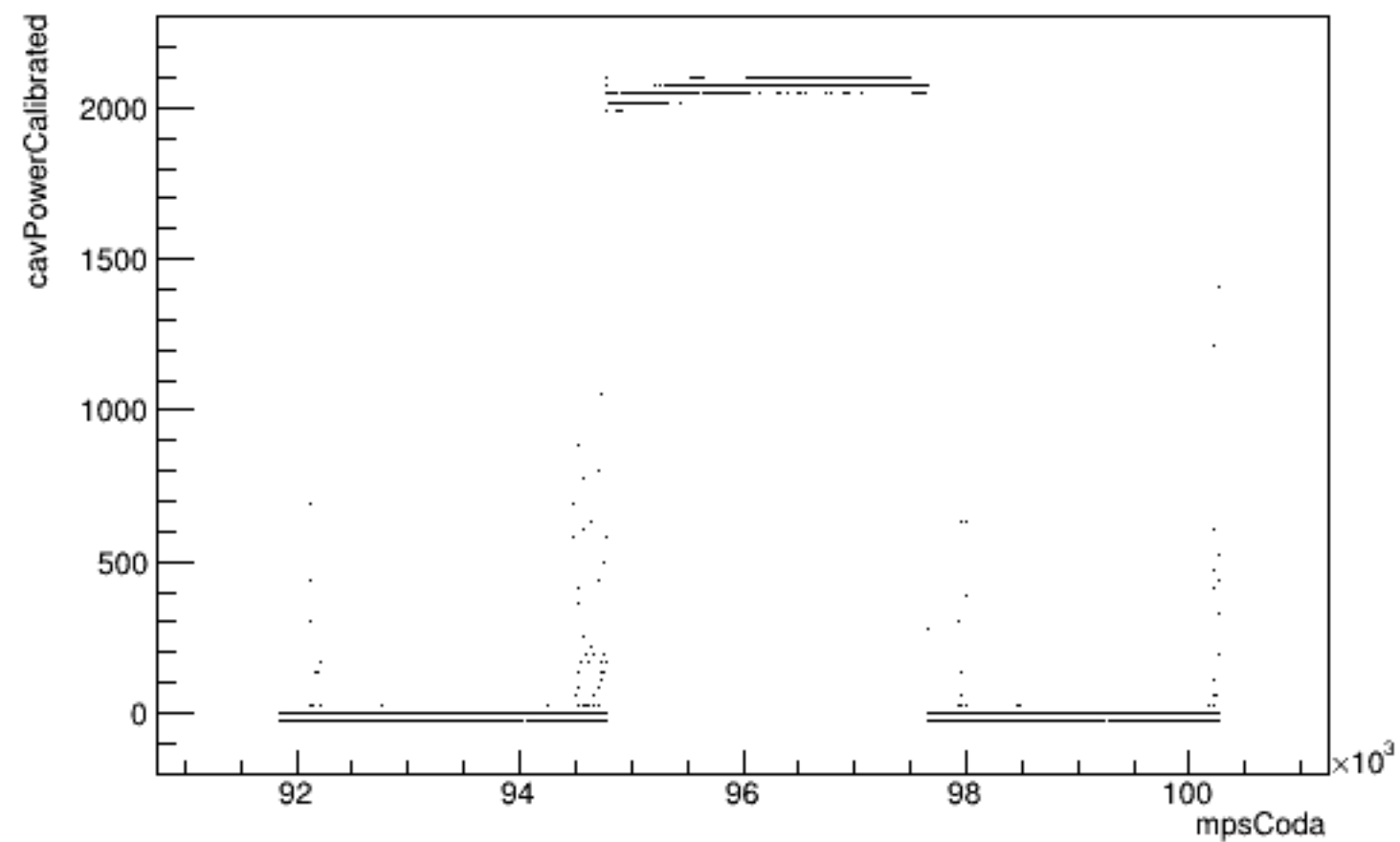
laserState:mpsCoda {mpsCoda>=91856 && mpsCoda<=100267}



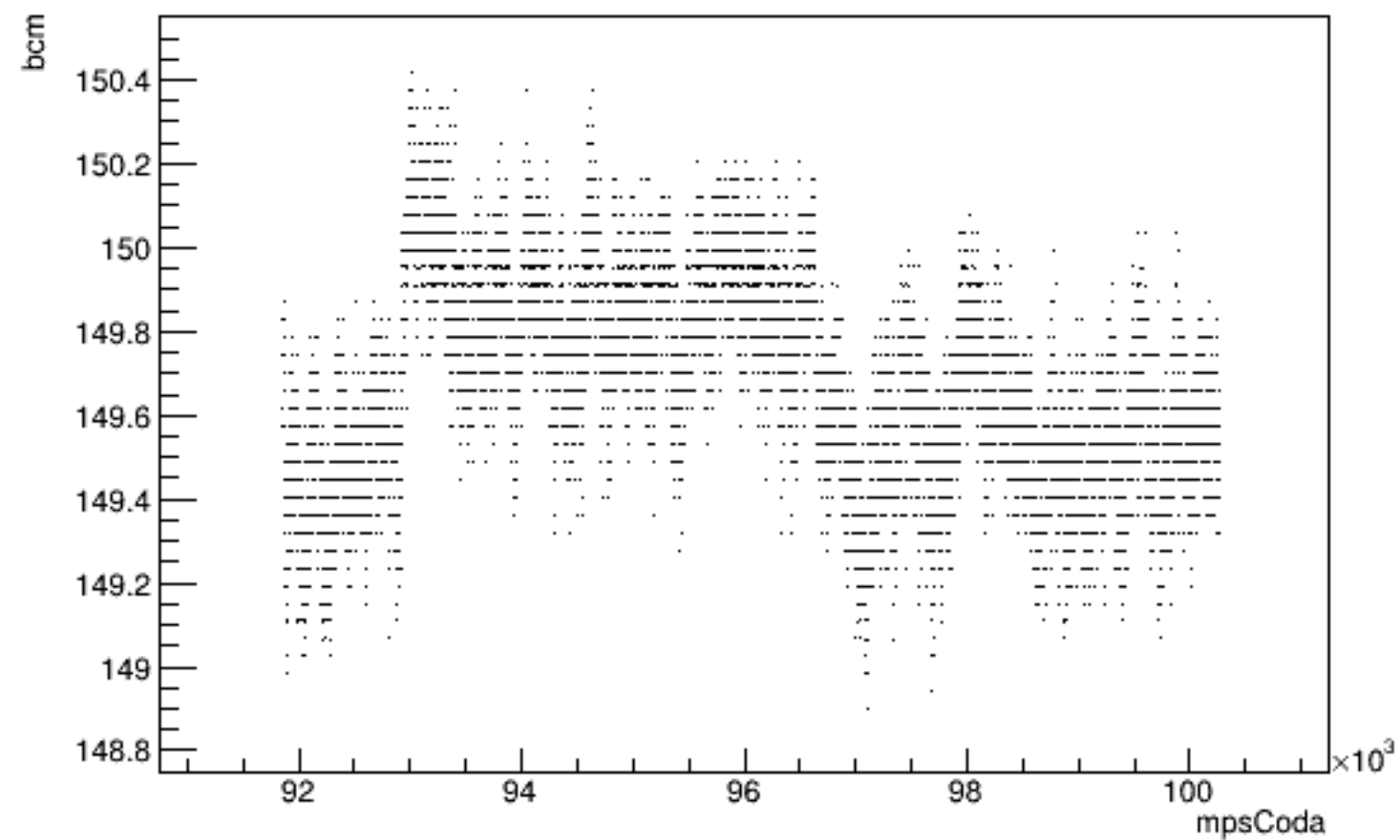
beamState + 1:mpsCoda {mpsCoda>=91856 && mpsCoda<=100267}



cavPowerCalibrated:mpsCoda {mpsCoda>=91856 && mpsCoda<=100267}



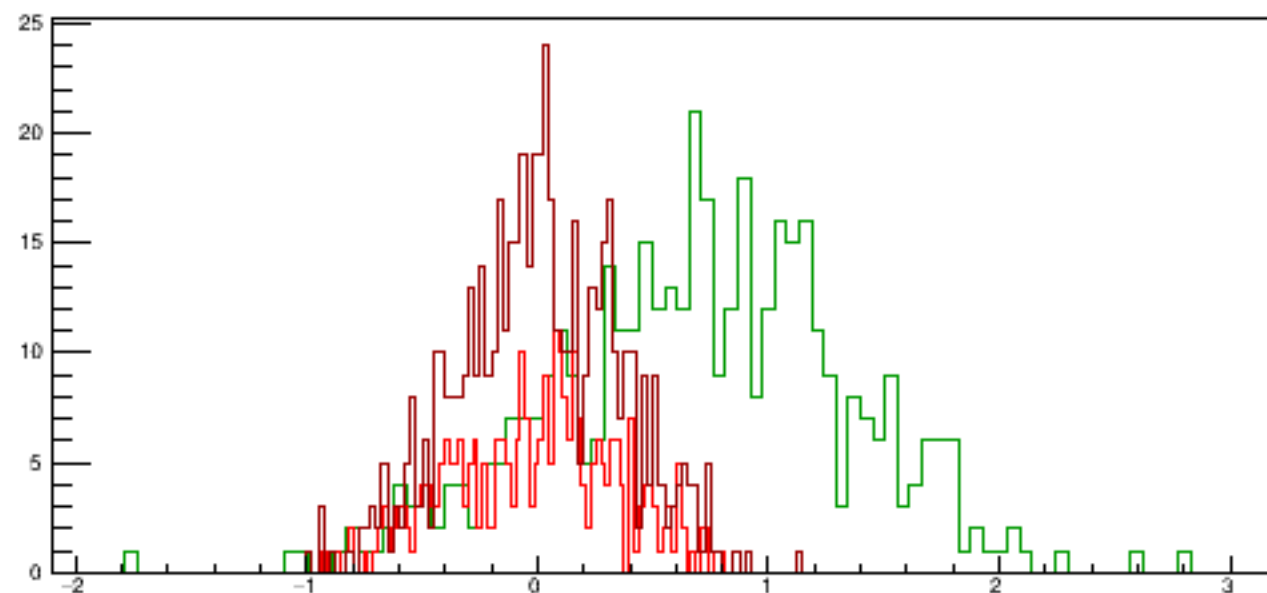
bcm:mpsCoda {mpsCoda>=91856 && mpsCoda<=100267}



Cycle 10, Diffs

Entries: 302	Entries: 425	Entries: 544
Mean: -0.0099 +/- 0.0208	Mean: 0.6939 +/- 0.0315	Mean: 0.0069 +/- 0.0150
Std Dev: 0.3608 +/- 0.0147	Std Dev: 0.6490 +/- 0.0223	Std Dev: 0.3503 +/- 0.0106

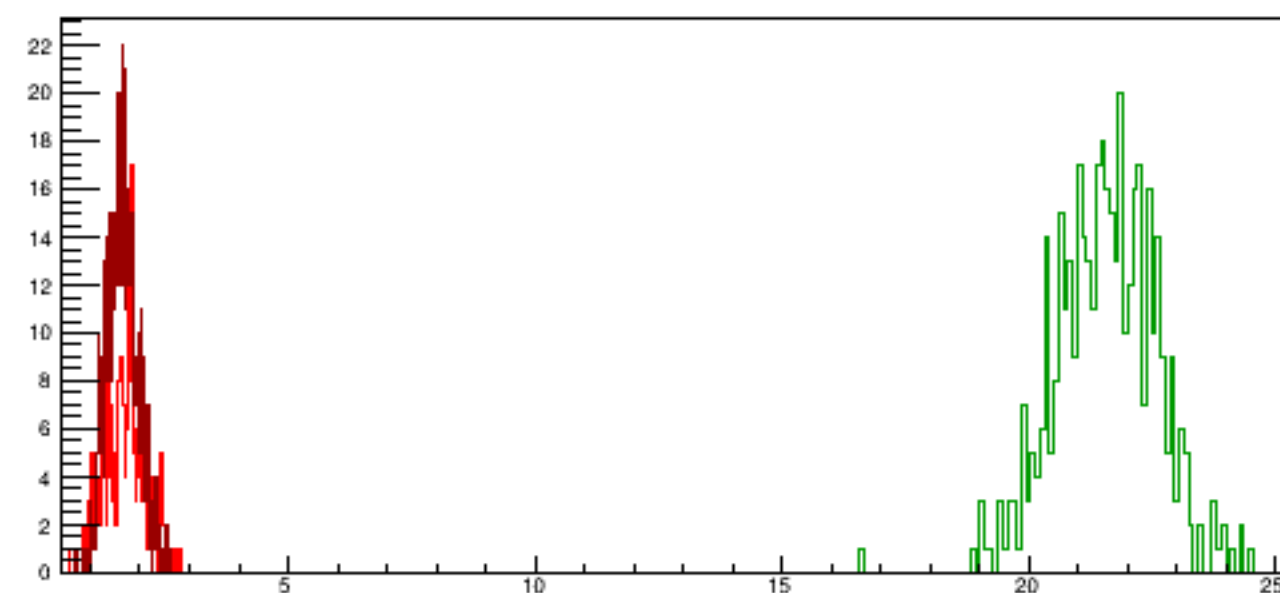
Run 5204 quartetwise, Diffs



Cycle 10, Sums

Entries: 302	Entries: 425	Entries: 544
Mean: 1.6733 +/- 0.0240	Mean: 21.5427 +/- 0.0495	Mean: 1.6449 +/- 0.0135
Std Dev: 0.4171 +/- 0.0170	Std Dev: 1.0195 +/- 0.0350	Std Dev: 0.3150 +/- 0.0095

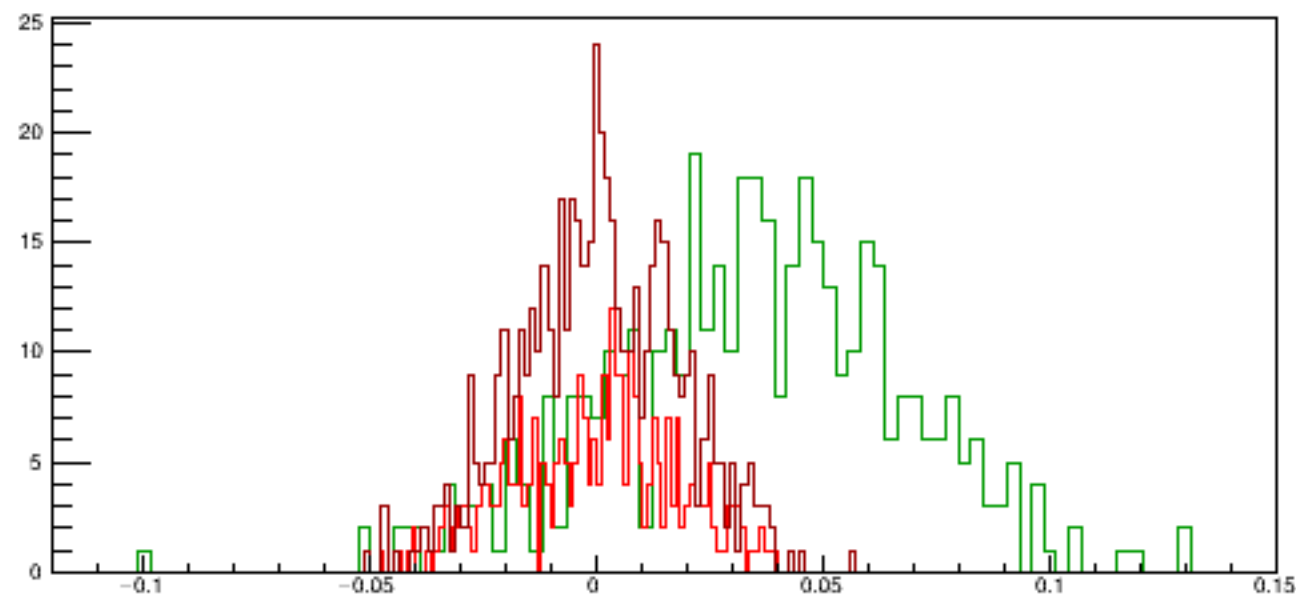
Run 5204 quartetwise, Sums



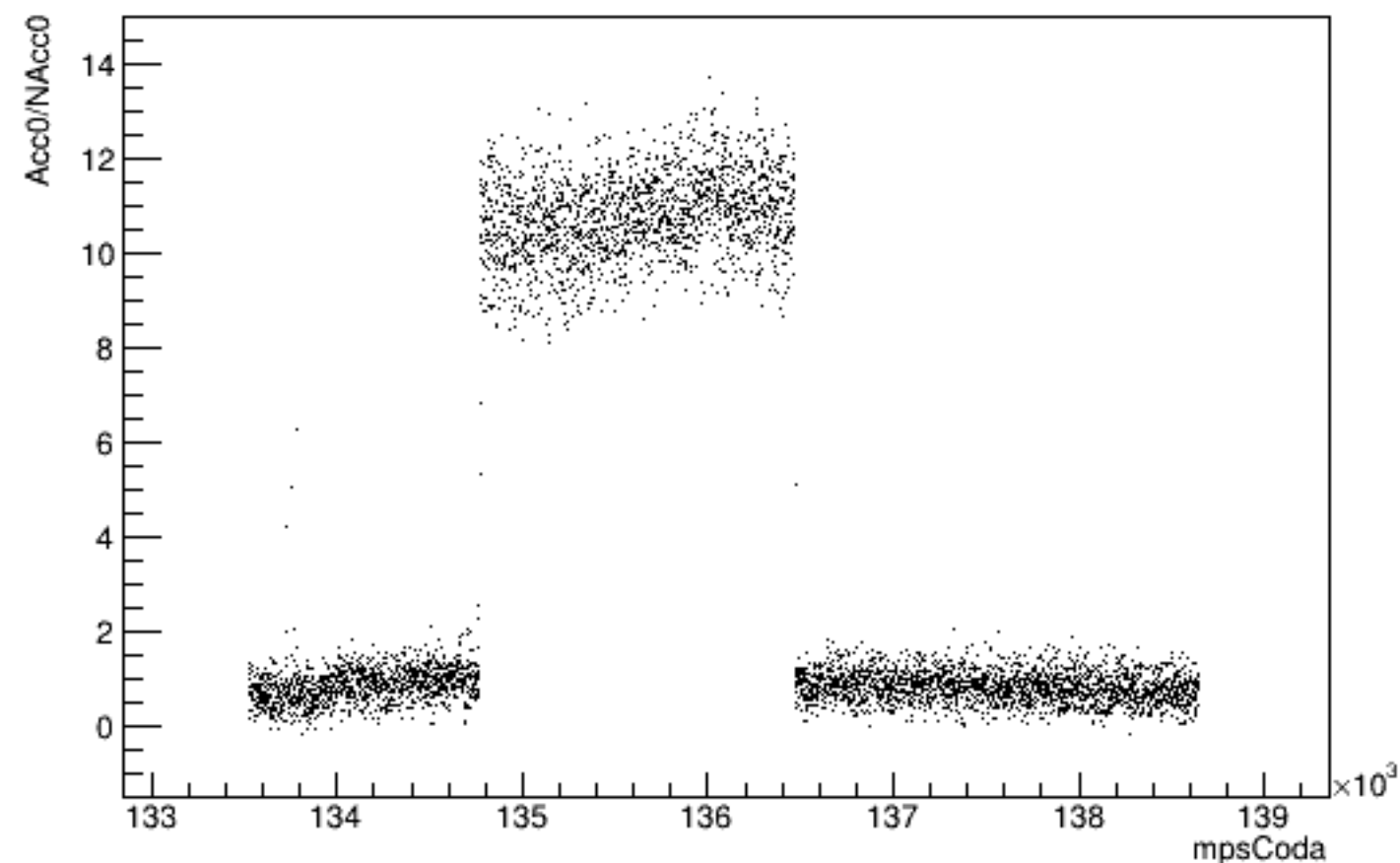
Cycle 10, Asyms

Entries: 302	Entries: 425	Entries: 544
Mean: -0.0005 +/- 0.0010	Mean: 0.0348 +/- 0.0016	Mean: 0.0003 +/- 0.0008
Std Dev: 0.0181 +/- 0.0007	Std Dev: 0.0328 +/- 0.0011	Std Dev: 0.0176 +/- 0.0005

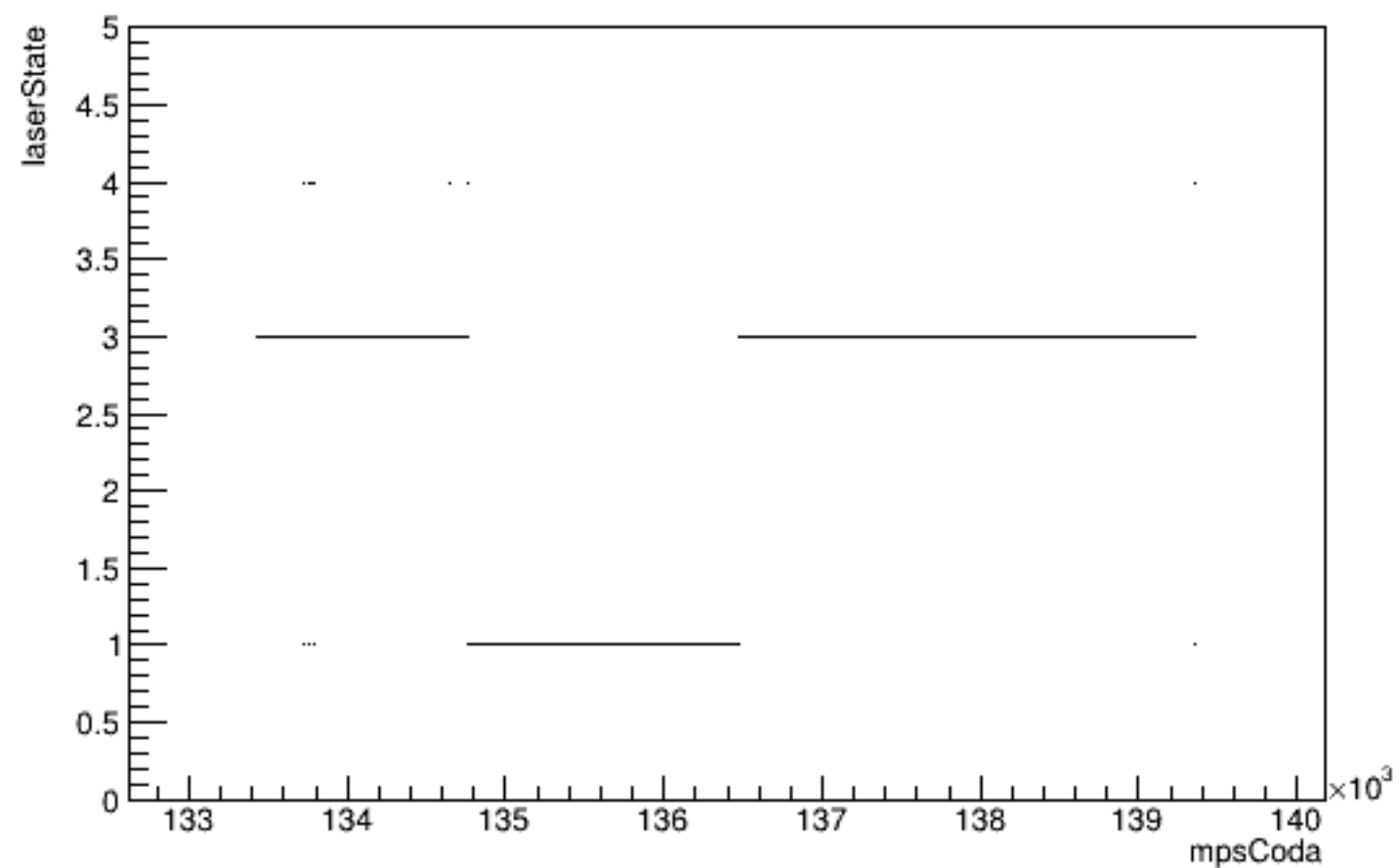
Run 5204 quartetwise, Asyms



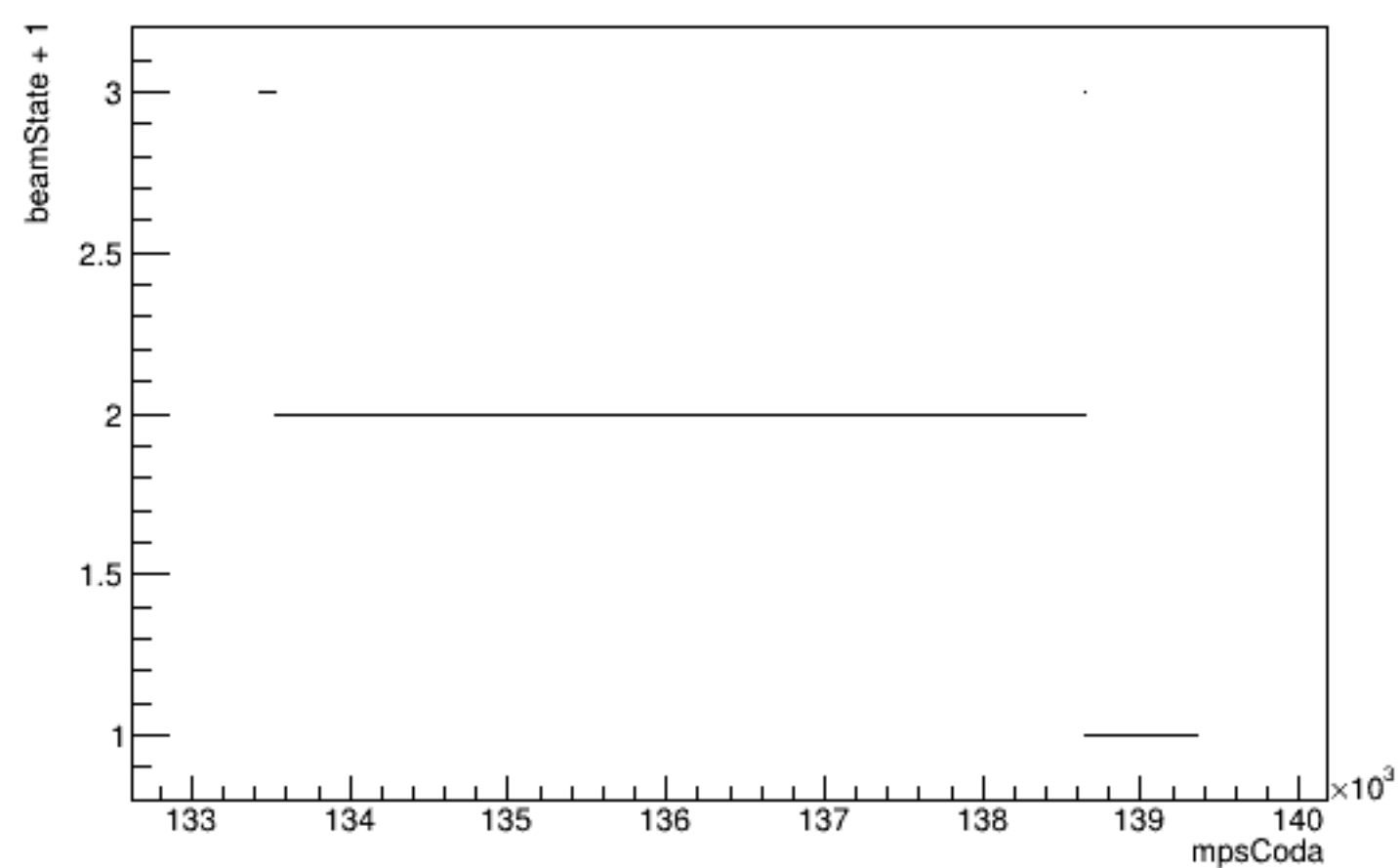
Acc0/NAcc0:mpsCoda (mpsCoda>=133424 && mpsCoda<=139355 && beamState==1)



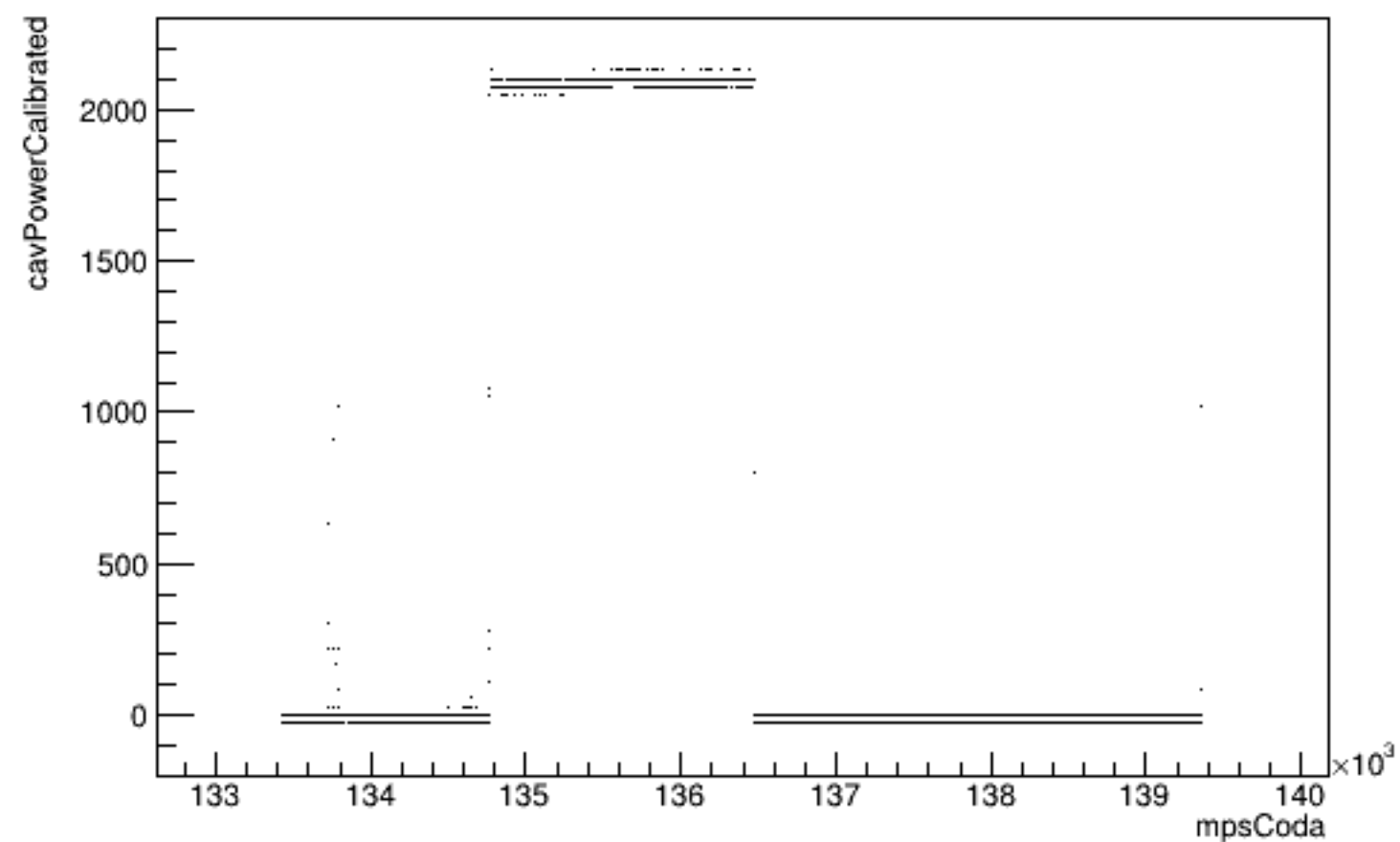
laserState:mpsCoda {mpsCoda>=133424 && mpsCoda<=139355}



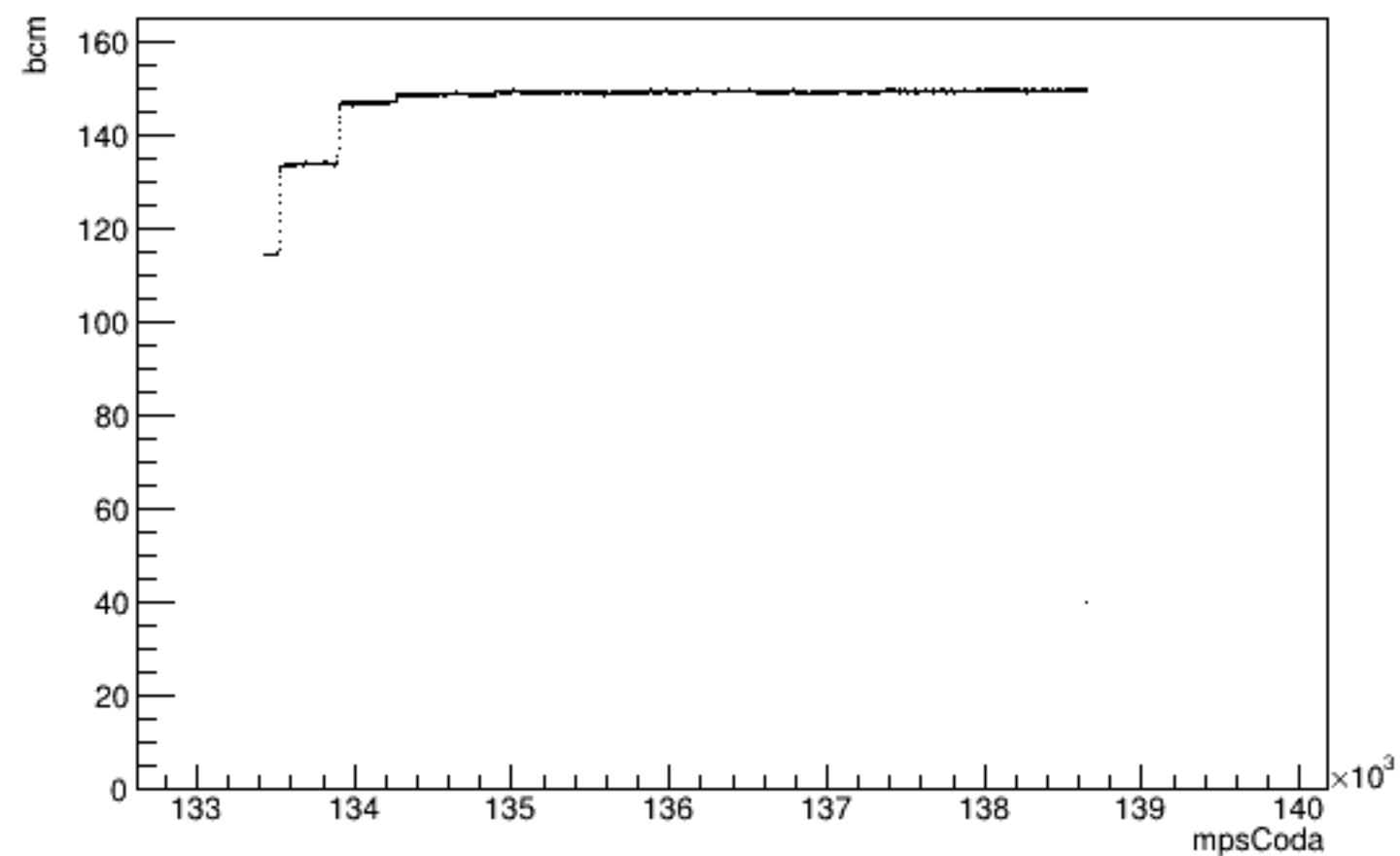
beamState + 1:mpsCoda {mpsCoda>=133424 && mpsCoda<=139355}



cavPowerCalibrated:mpsCoda {mpsCoda>=133424 && mpsCoda<=139355}



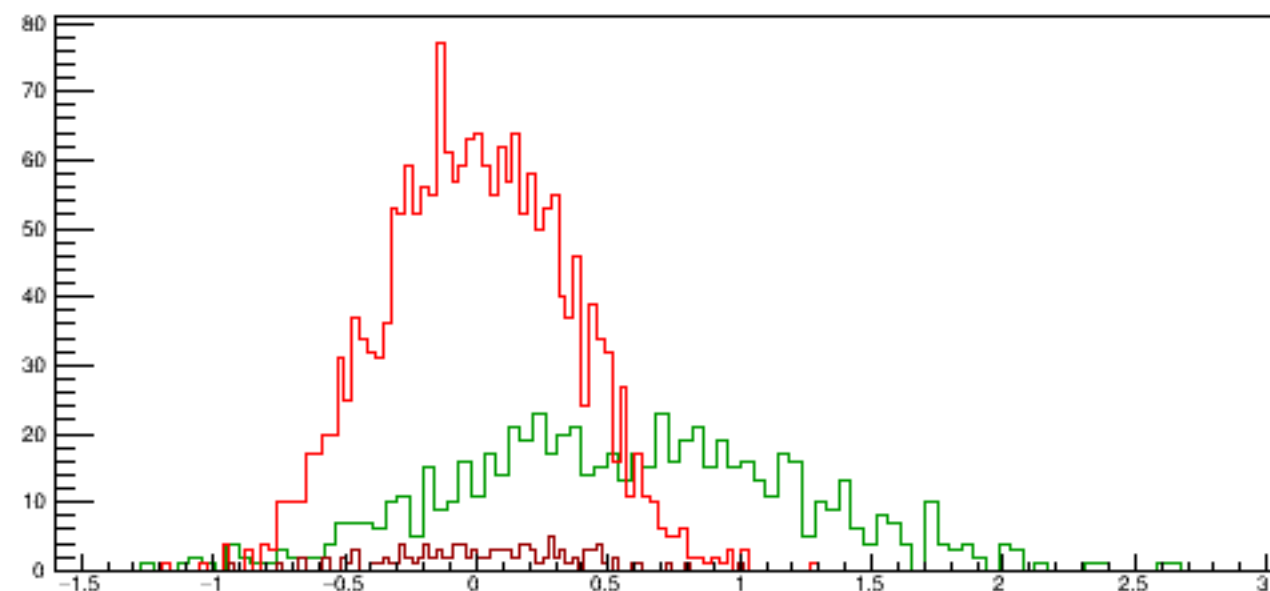
bcm:mpsCoda {mpsCoda>=133424 && mpsCoda<=139355}



Cycle 11, Diffs

Entries: 2010	Entries: 685	Entries: 116
Mean: -0.0037 +/- 0.0077	Mean: 0.5654 +/- 0.0250	Mean: 0.0375 +/- 0.0318
Std Dev: 0.3467 +/- 0.0055	Std Dev: 0.6539 +/- 0.0177	Std Dev: 0.3420 +/- 0.0225

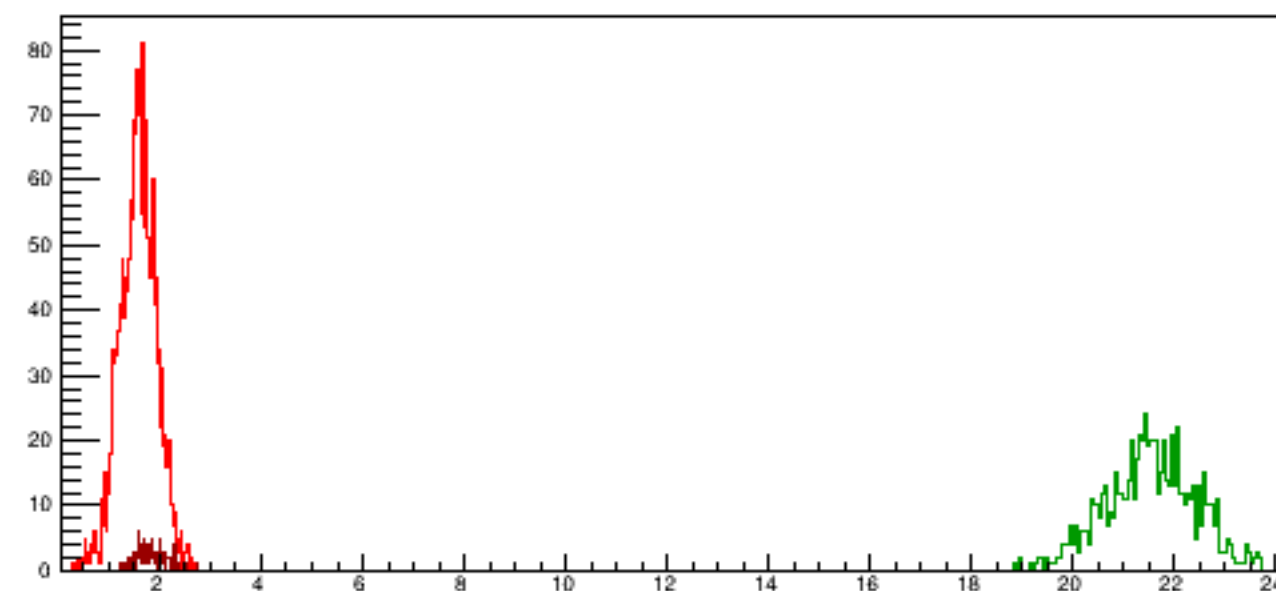
Run 5204 quartetwise, Diffs



Cycle 11, Sums

Entries: 2010	Entries: 685	Entries: 116
Mean: 1.5655 +/- 0.0080	Mean: 21.5350 +/- 0.0339	Mean: 1.8343 +/- 0.0262
Std Dev: 0.3603 +/- 0.0057	Std Dev: 0.8885 +/- 0.0240	Std Dev: 0.2818 +/- 0.0185

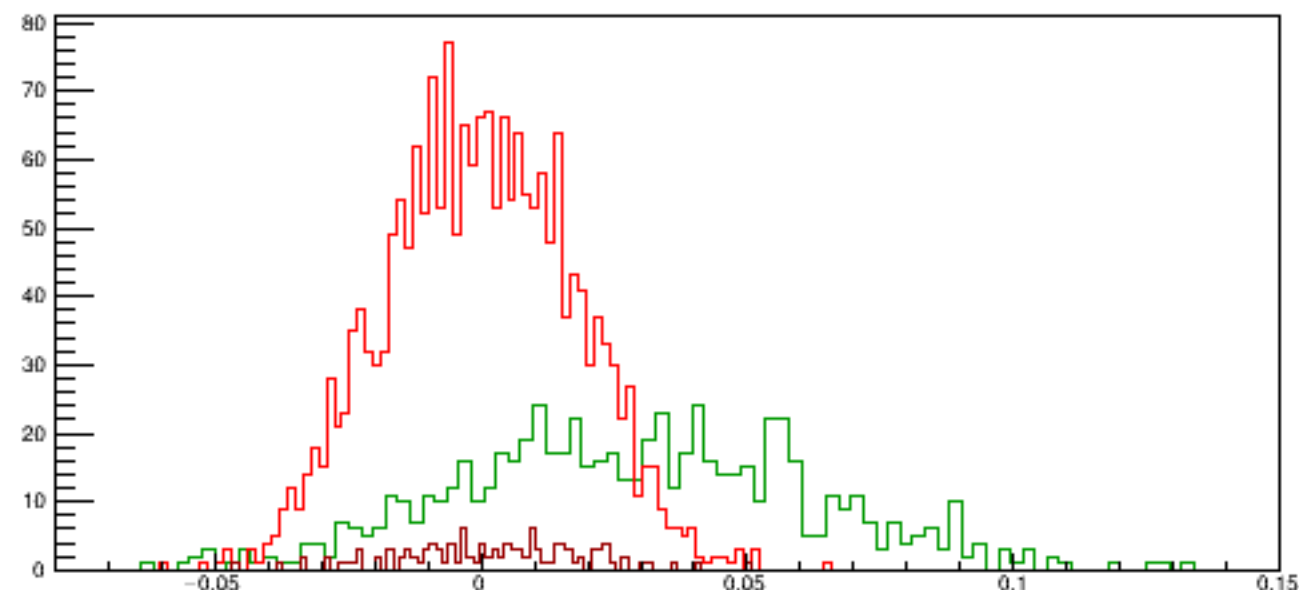
Run 5204 quartetwise, Sums



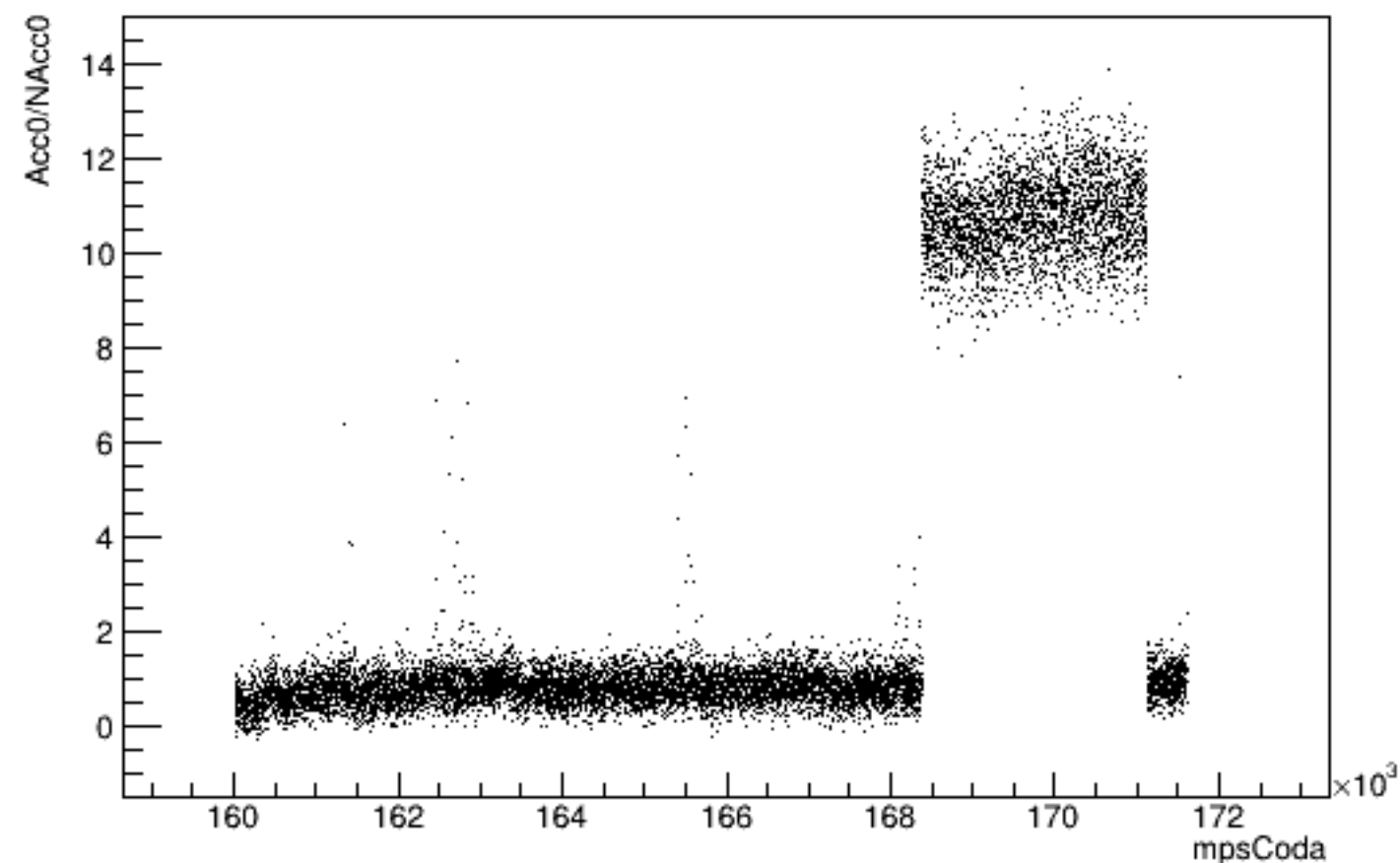
Cycle 11, Asyms

Entries: 2010	Entries: 685	Entries: 116
Mean: -0.0002 +/- 0.0004	Mean: 0.0286 +/- 0.0013	Mean: 0.0019 +/- 0.0016
Std Dev: 0.0175 +/- 0.0003	Std Dev: 0.0331 +/- 0.0009	Std Dev: 0.0172 +/- 0.0011

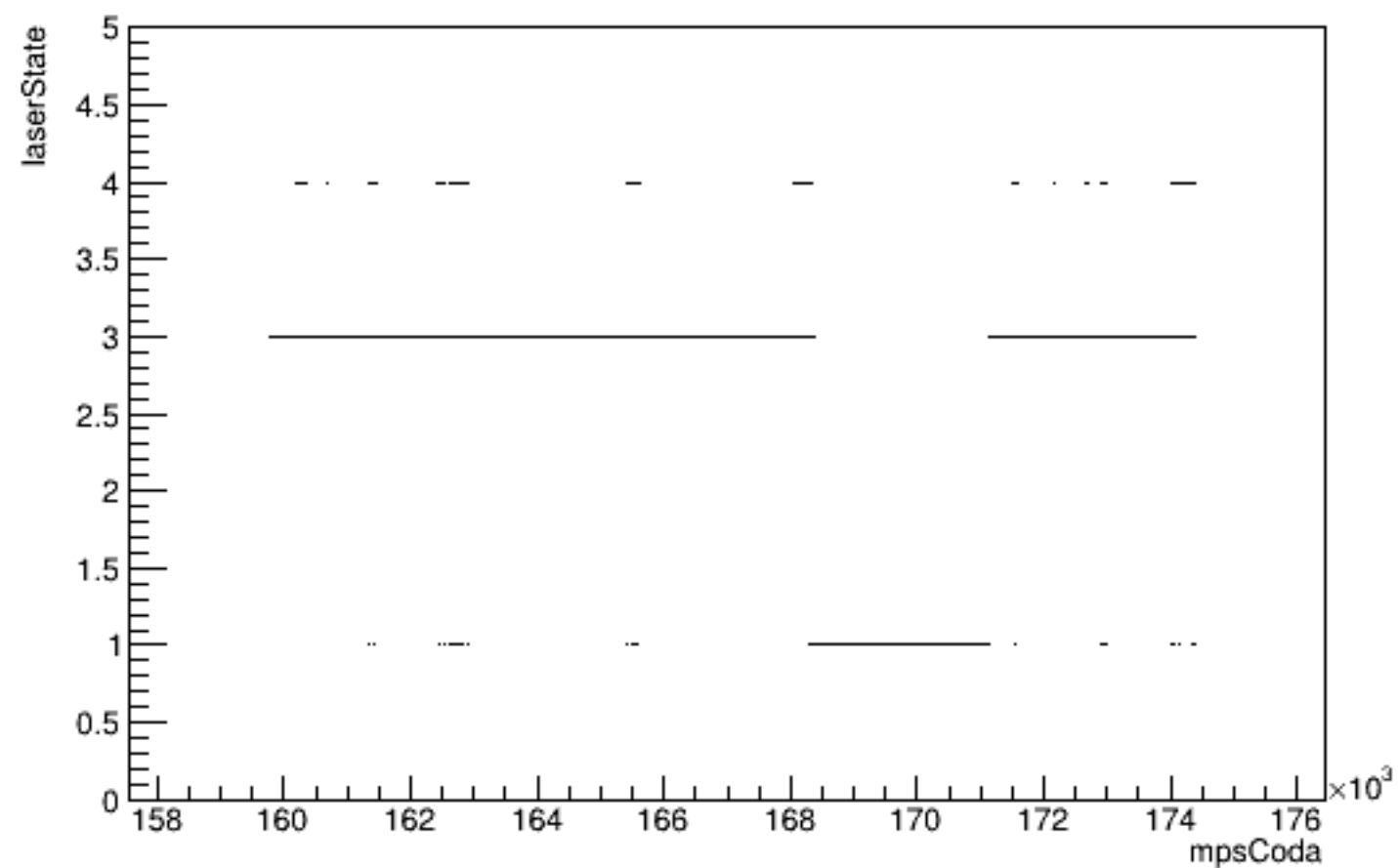
Run 5204 quartetwise, Asyms



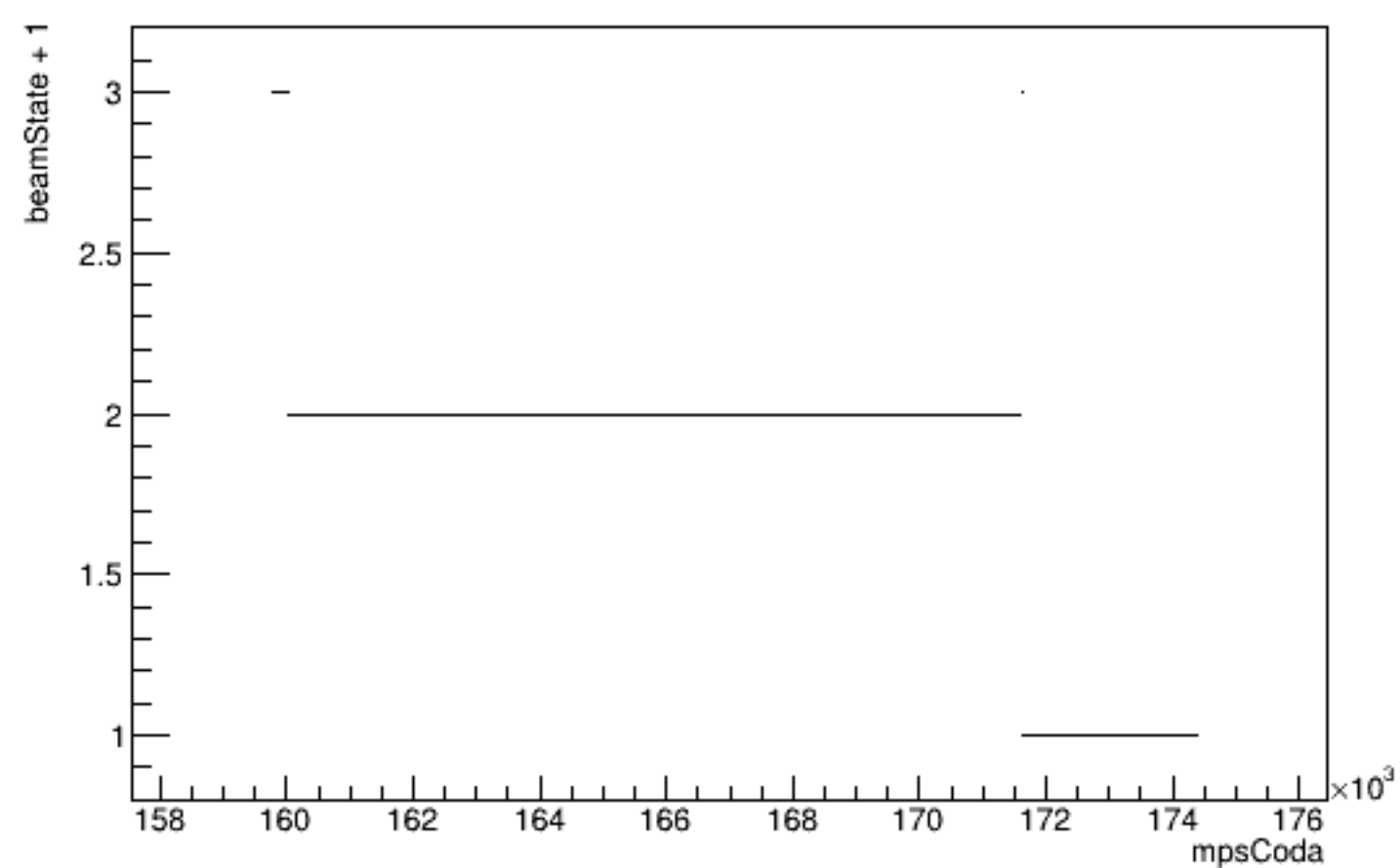
Acc0/NAcc0:mpsCoda (mpsCoda>=159788 && mpsCoda<=174399 && beamState==1)



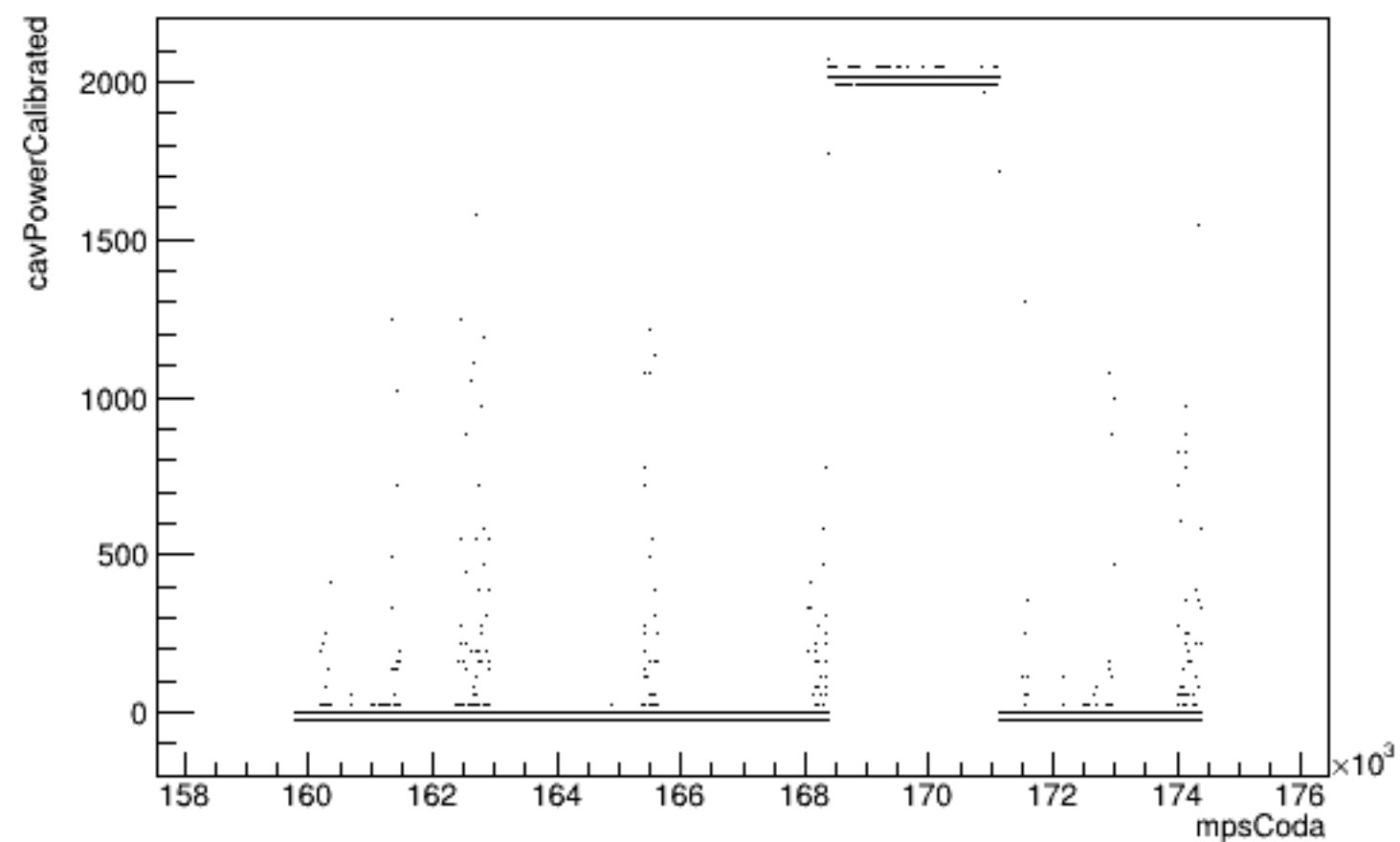
laserState:mpsCoda {mpsCoda>=159788 && mpsCoda<=174399}



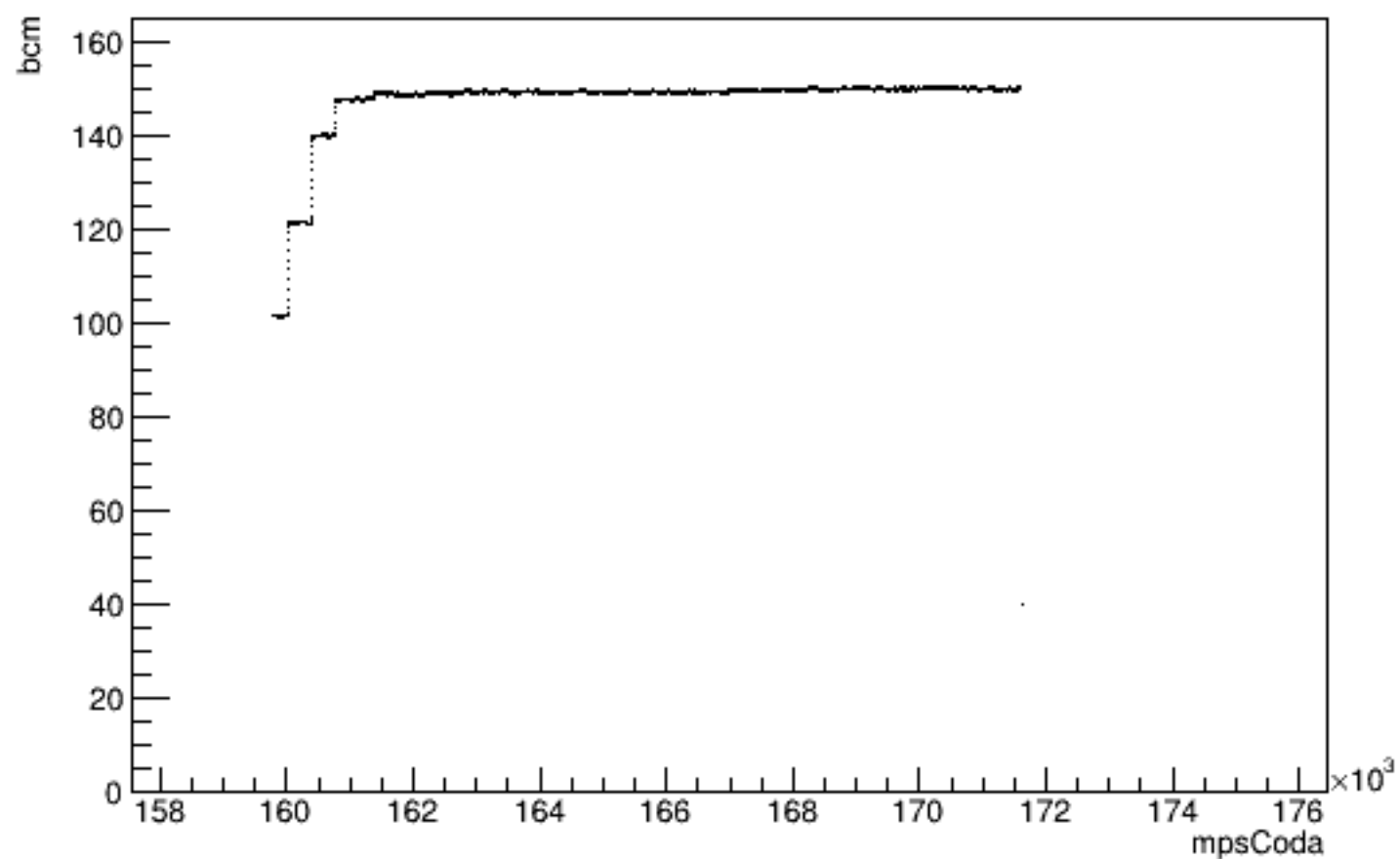
beamState + 1:mpsCoda {mpsCoda>=159788 && mpsCoda<=174399}



cavPowerCalibrated:mpsCoda {mpsCoda>=159788 && mpsCoda<=174399}



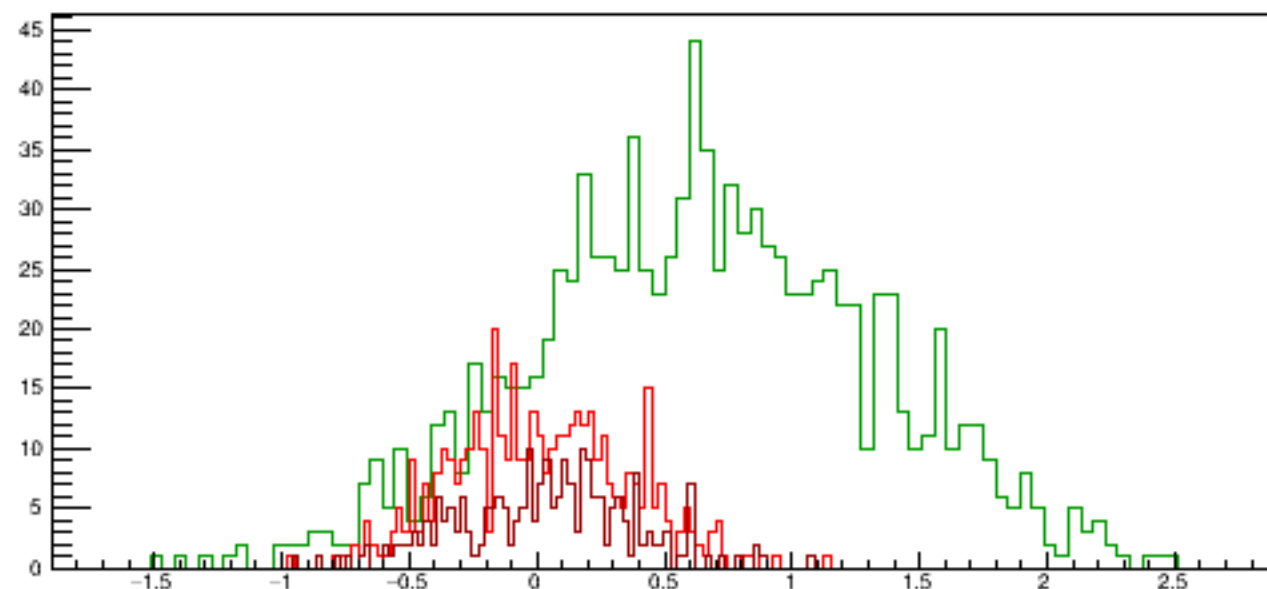
bcm:mpsCoda {mpsCoda>=159788 && mpsCoda<=174399}



Cycle 12, Diffs

Entries: 433	Entries: 1091	Entries: 234
Mean: 0.0117 +/- 0.0165	Mean: 0.6447 +/- 0.0204	Mean: 0.0283 +/- 0.0227
Std Dev: 0.3437 +/- 0.0117	Std Dev: 0.6726 +/- 0.0144	Std Dev: 0.3471 +/- 0.0160

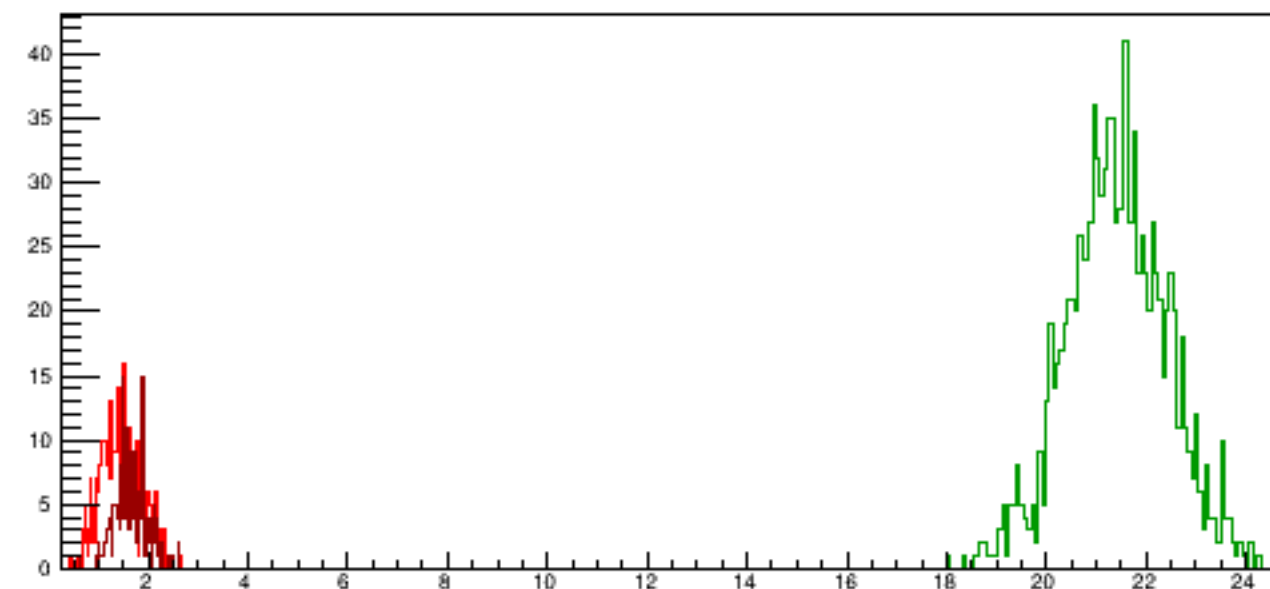
Run 5204 quartetwise, Diffs



Cycle 12, Sums

Entries: 433	Entries: 1091	Entries: 234
Mean: 1.4762 +/- 0.0197	Mean: 21.4130 +/- 0.0302	Mean: 1.6440 +/- 0.0210
Std Dev: 0.4094 +/- 0.0139	Std Dev: 0.9967 +/- 0.0213	Std Dev: 0.3205 +/- 0.0148

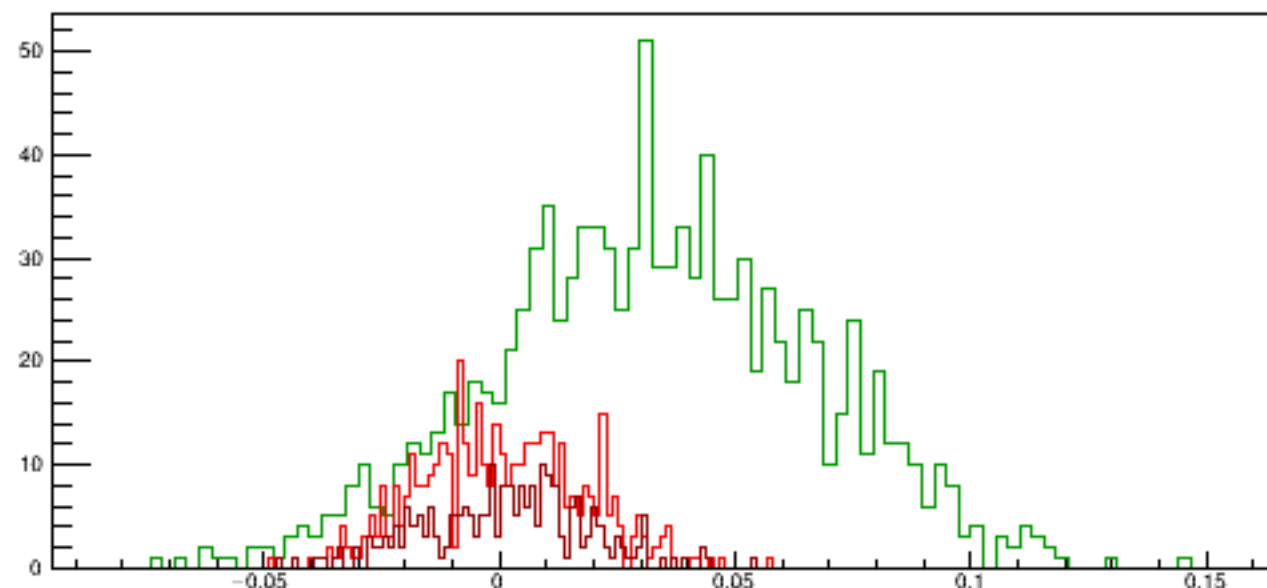
Run 5204 quartetwise, Sums



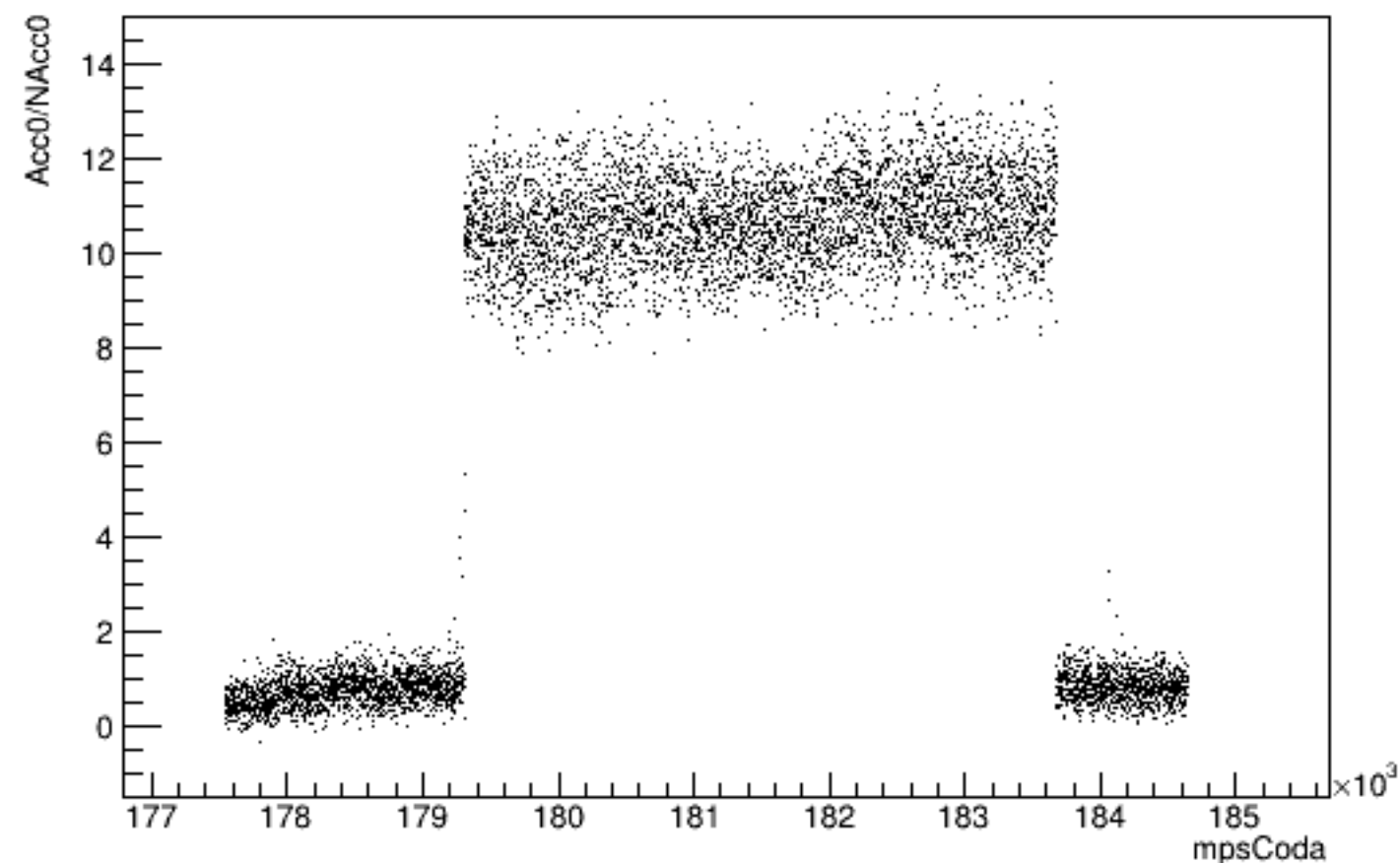
Cycle 12, Asyms

Entries: 433	Entries: 1091	Entries: 234
Mean: 0.0006 +/- 0.0008	Mean: 0.0325 +/- 0.0010	Mean: 0.0014 +/- 0.0011
Std Dev: 0.0173 +/- 0.0006	Std Dev: 0.0340 +/- 0.0007	Std Dev: 0.0175 +/- 0.0008

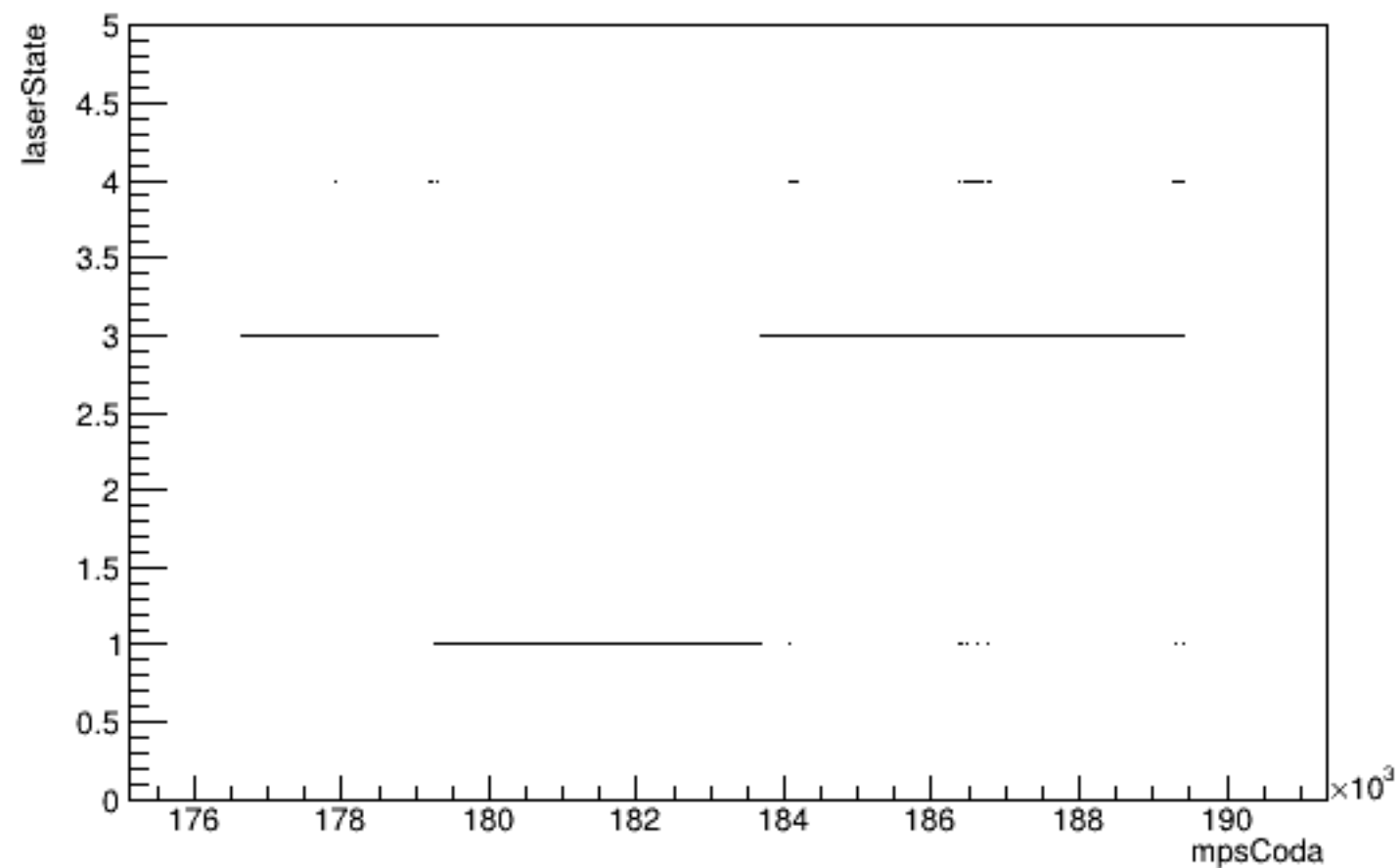
Run 5204 quartetwise, Asyms



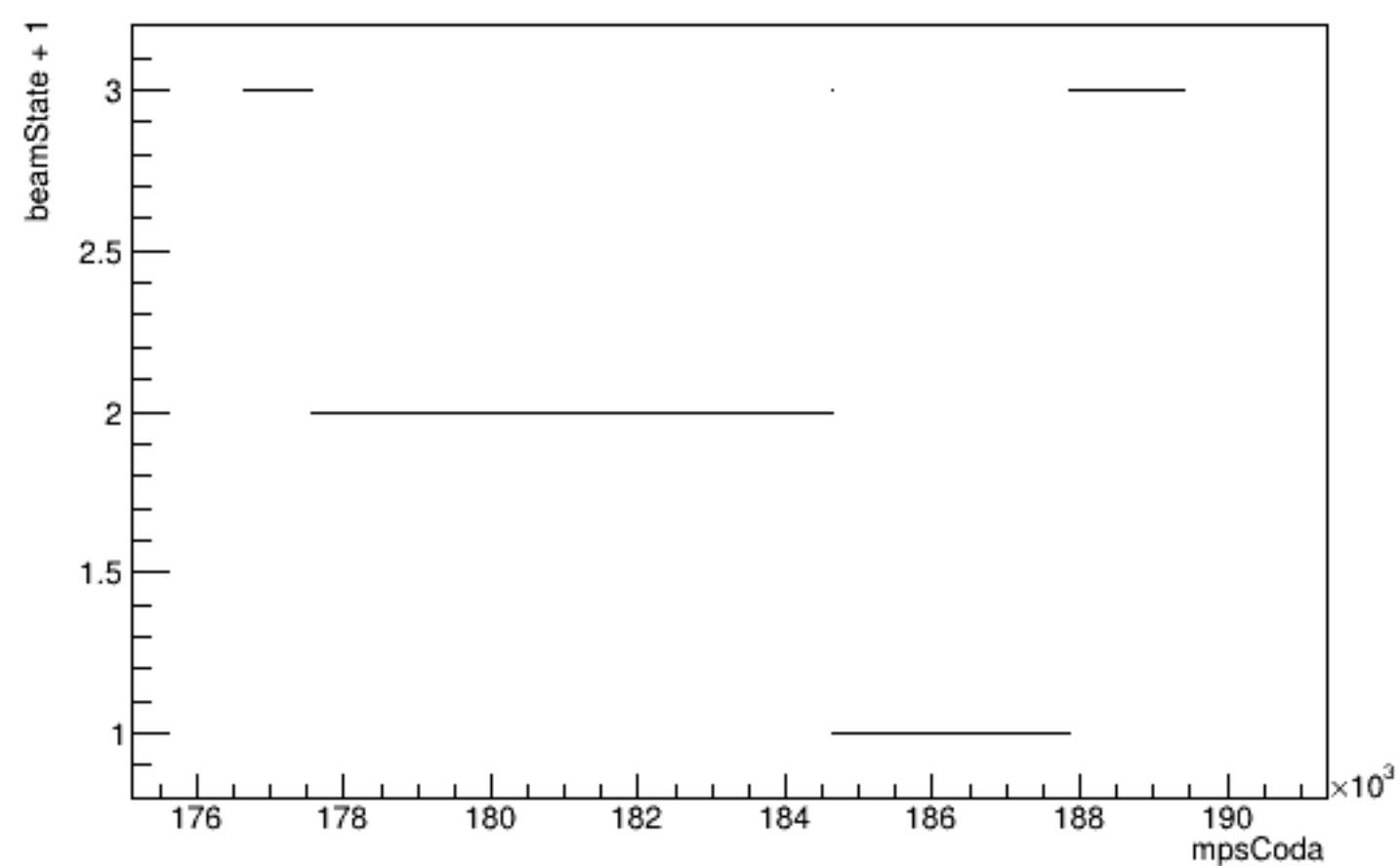
Acc0/NAcc0:mpsCoda (mpsCoda>=176632 && mpsCoda<=189423 && beamState==1)



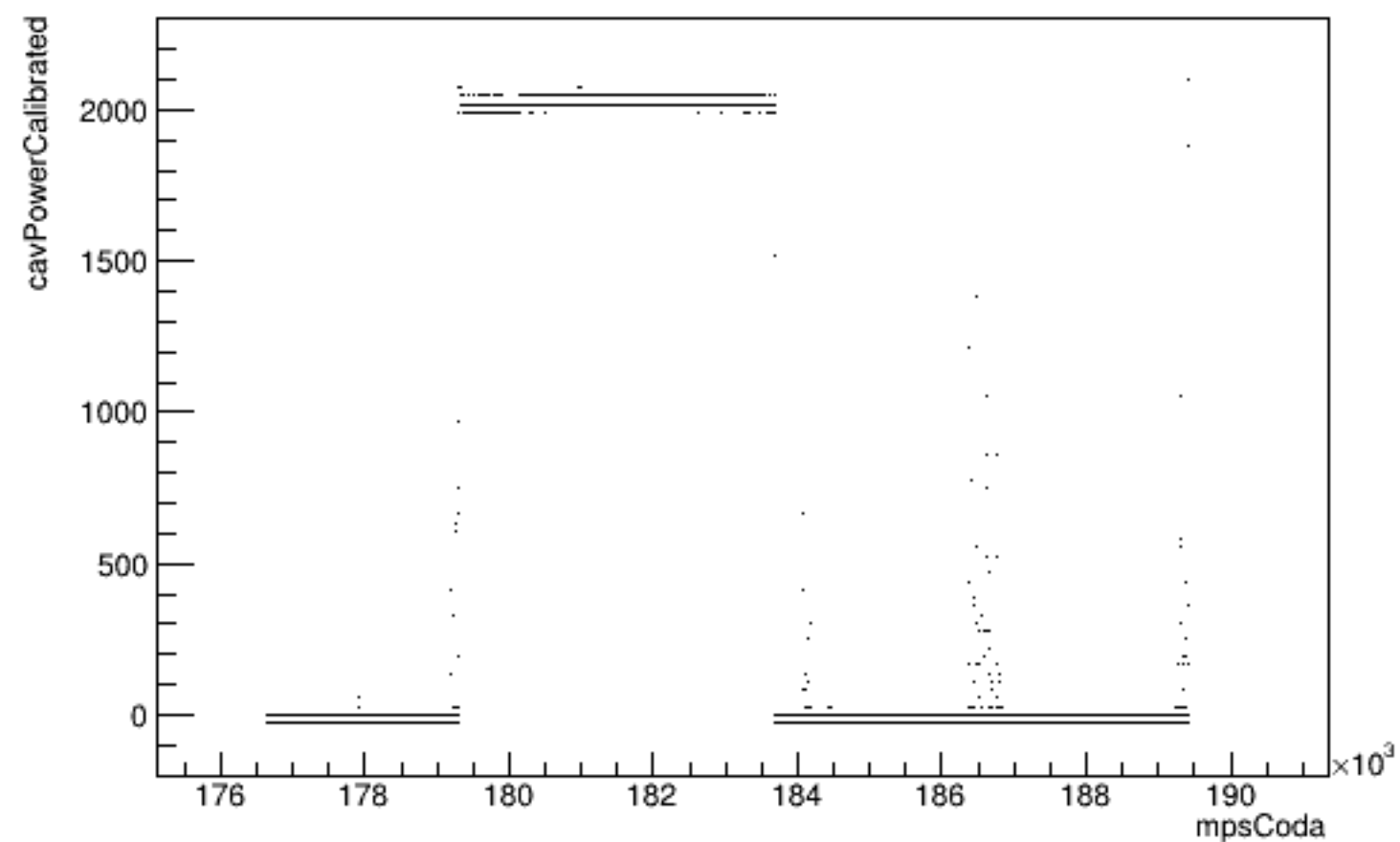
laserState:mpsCoda {mpsCoda>=176632 && mpsCoda<=189423}



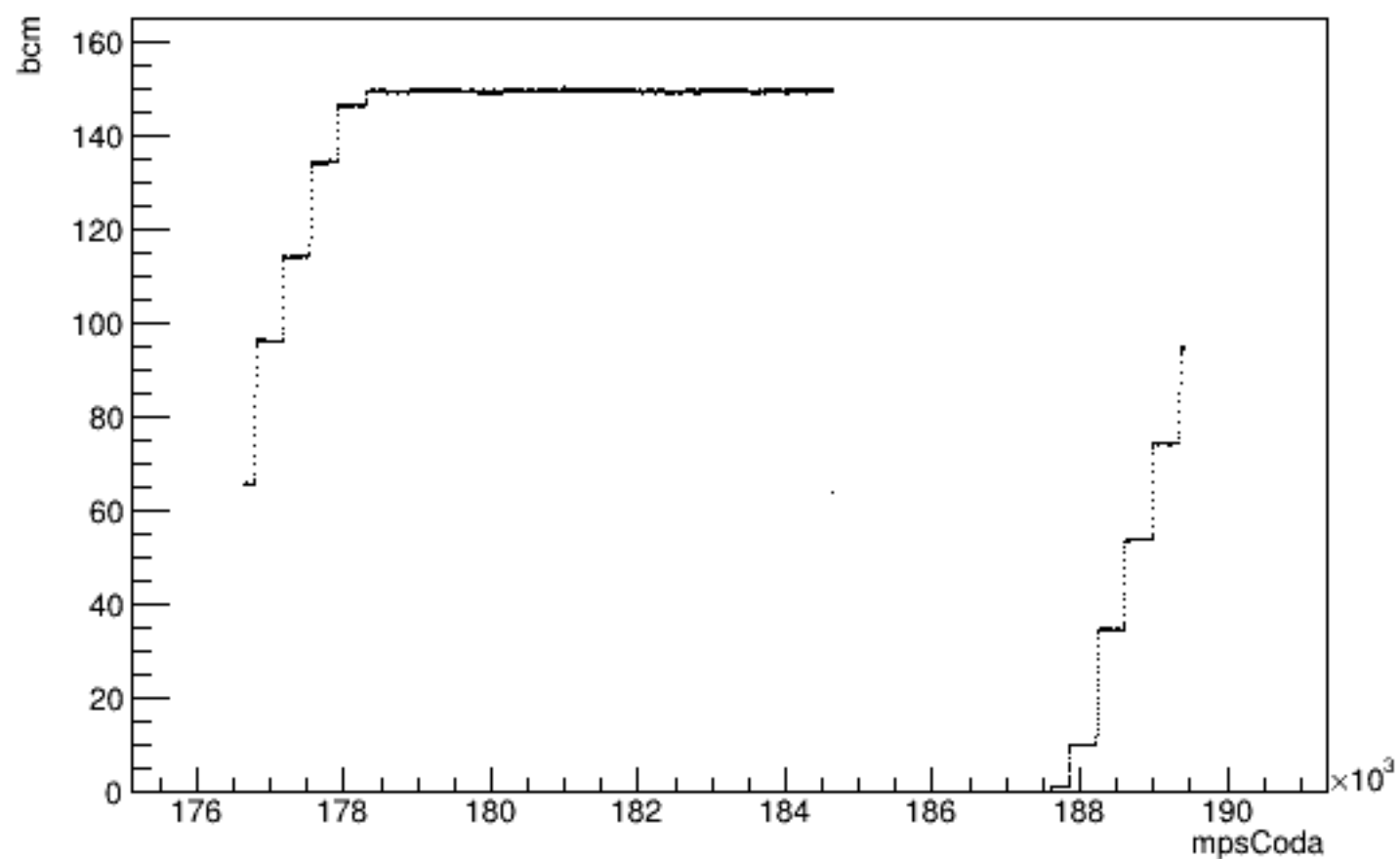
beamState + 1:mpsCoda {mpsCoda>=176632 && mpsCoda<=189423}



cavPowerCalibrated:mpsCoda {mpsCoda>=176632 && mpsCoda<=189423}



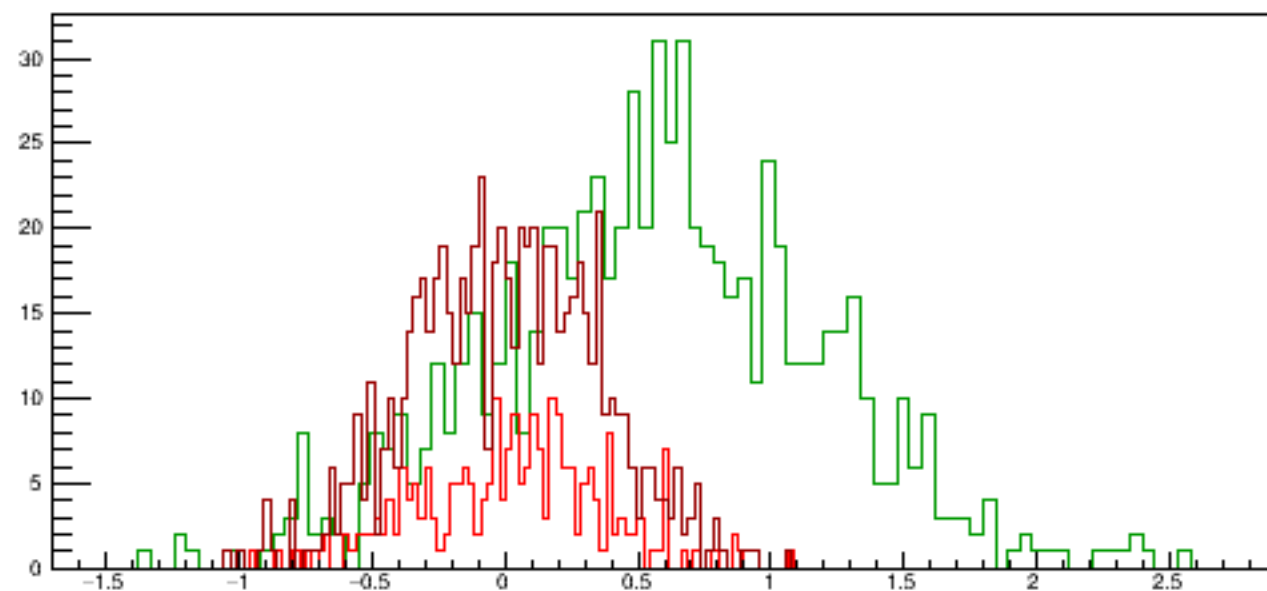
bcm:mpsCoda {mpsCoda>=176632 && mpsCoda<=189423}



Cycle 13, Diffs

Entries: 234	Entries: 745	Entries: 681
Mean: 0.0283 +/- 0.0227	Mean: 0.5624 +/- 0.0227	Mean: 0.0020 +/- 0.0134
Std Dev: 0.3471 +/- 0.0160	Std Dev: 0.6206 +/- 0.0161	Std Dev: 0.3503 +/- 0.0095

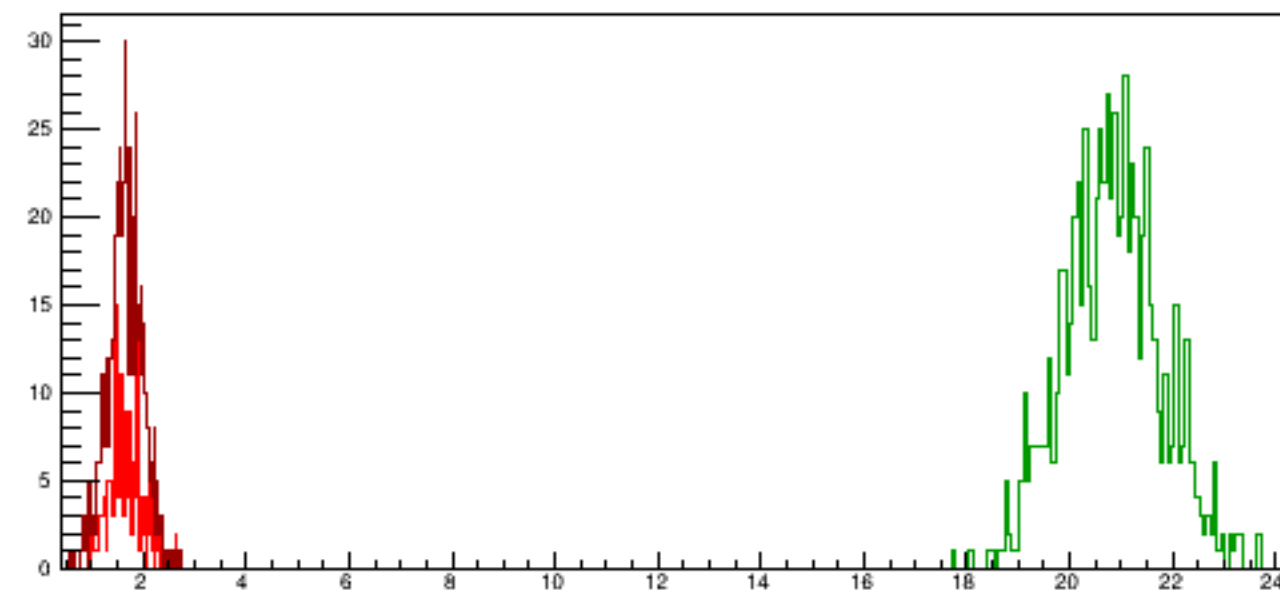
Run 5204 quartetwise, Diffs



Cycle 13, Sums

Entries: 234	Entries: 745	Entries: 681
Mean: 1.6440 +/- 0.0210	Mean: 20.8153 +/- 0.0346	Mean: 1.6481 +/- 0.0123
Std Dev: 0.3205 +/- 0.0148	Std Dev: 0.9431 +/- 0.0244	Std Dev: 0.3216 +/- 0.0087

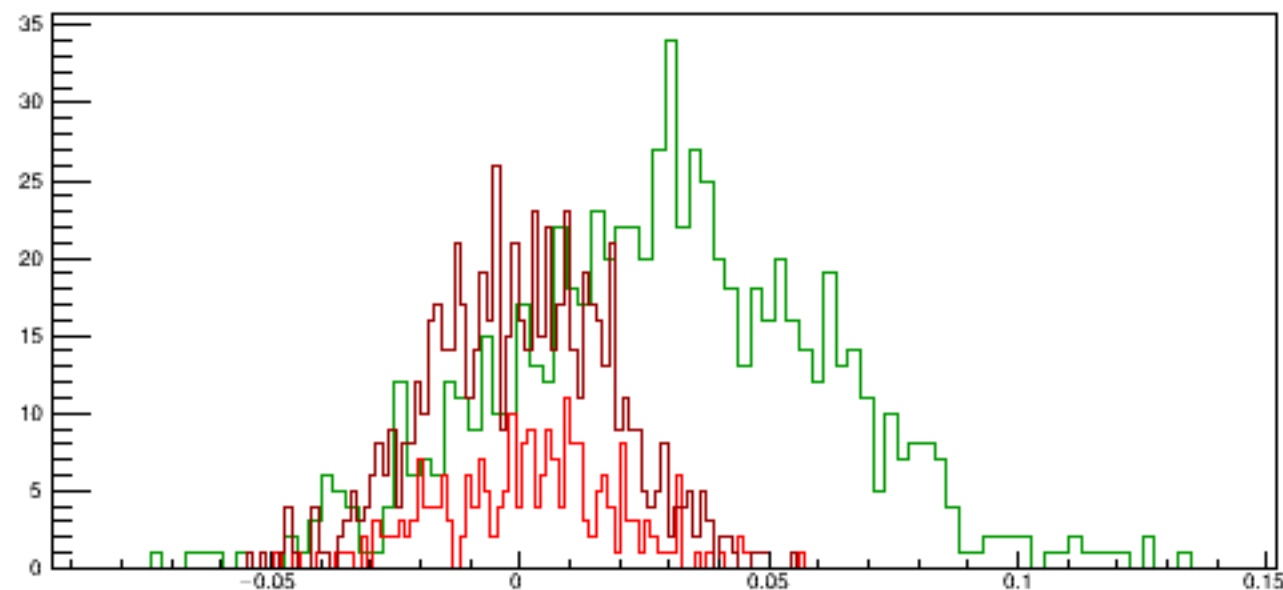
Run 5204 quartetwise, Sums



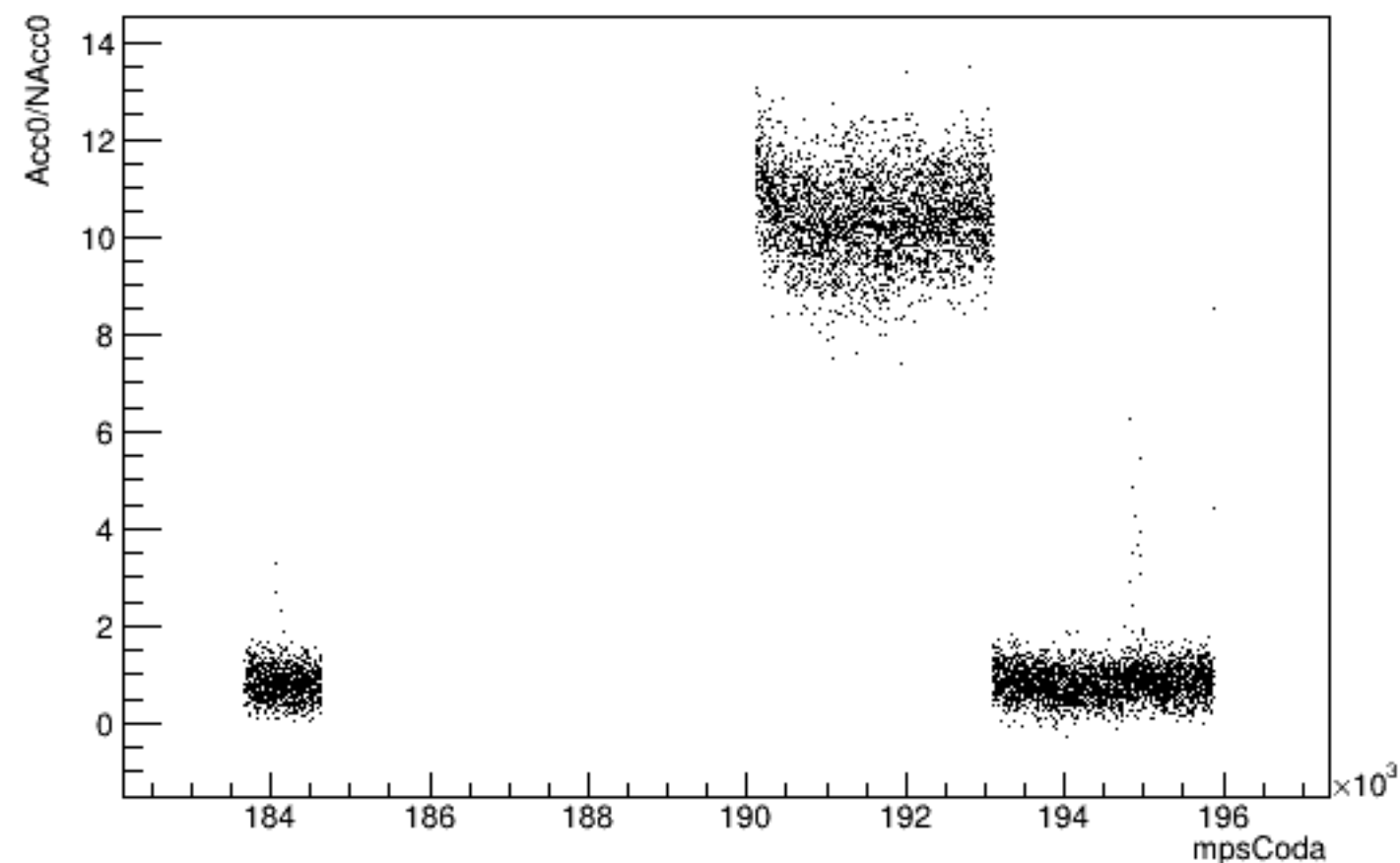
Cycle 13, Asyms

Entries: 234	Entries: 745	Entries: 681
Mean: 0.0015 +/- 0.0012	Mean: 0.0294 +/- 0.0012	Mean: 0.0001 +/- 0.0007
Std Dev: 0.0181 +/- 0.0008	Std Dev: 0.0325 +/- 0.0008	Std Dev: 0.0183 +/- 0.0005

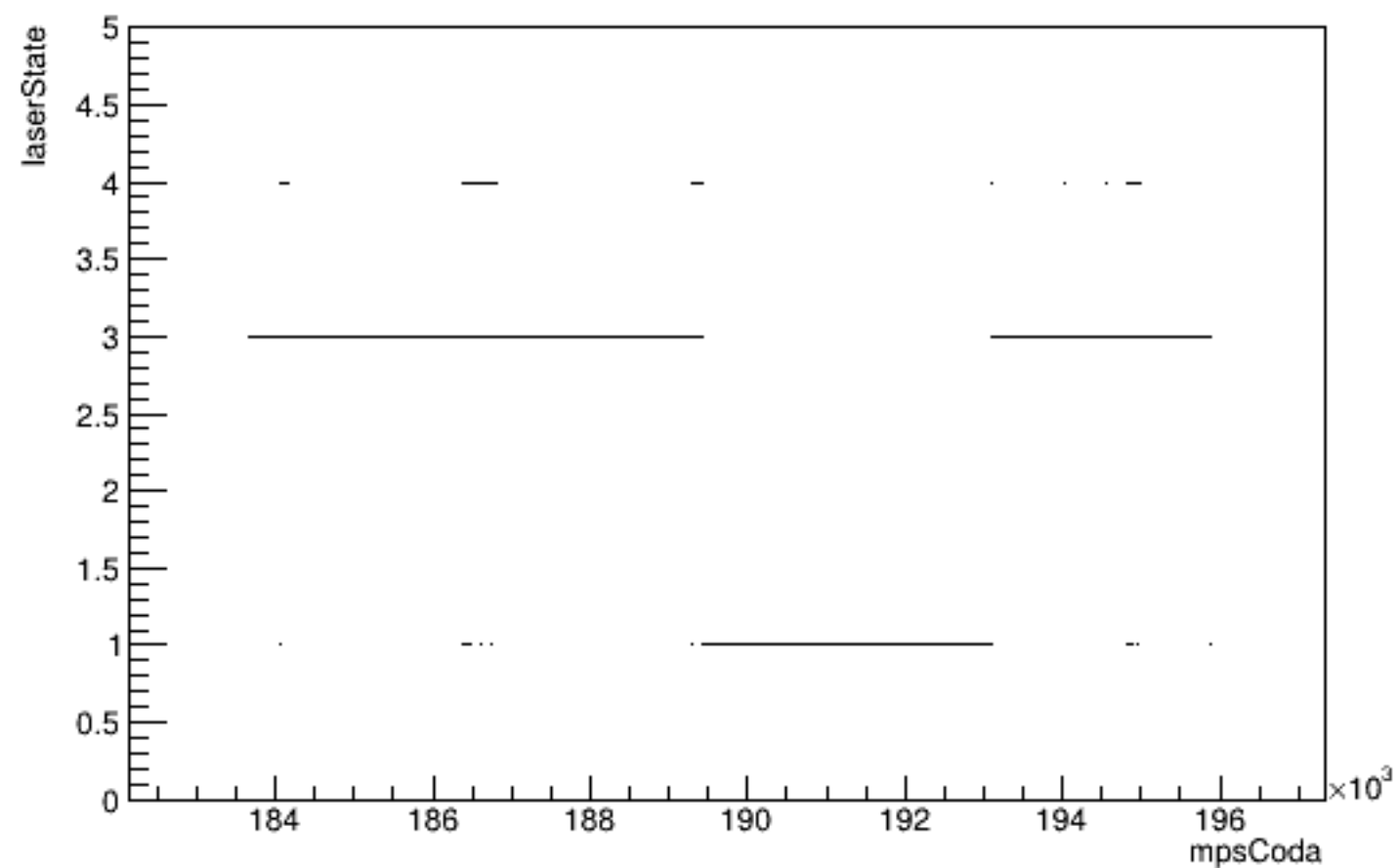
Run 5204 quartetwise, Asyms



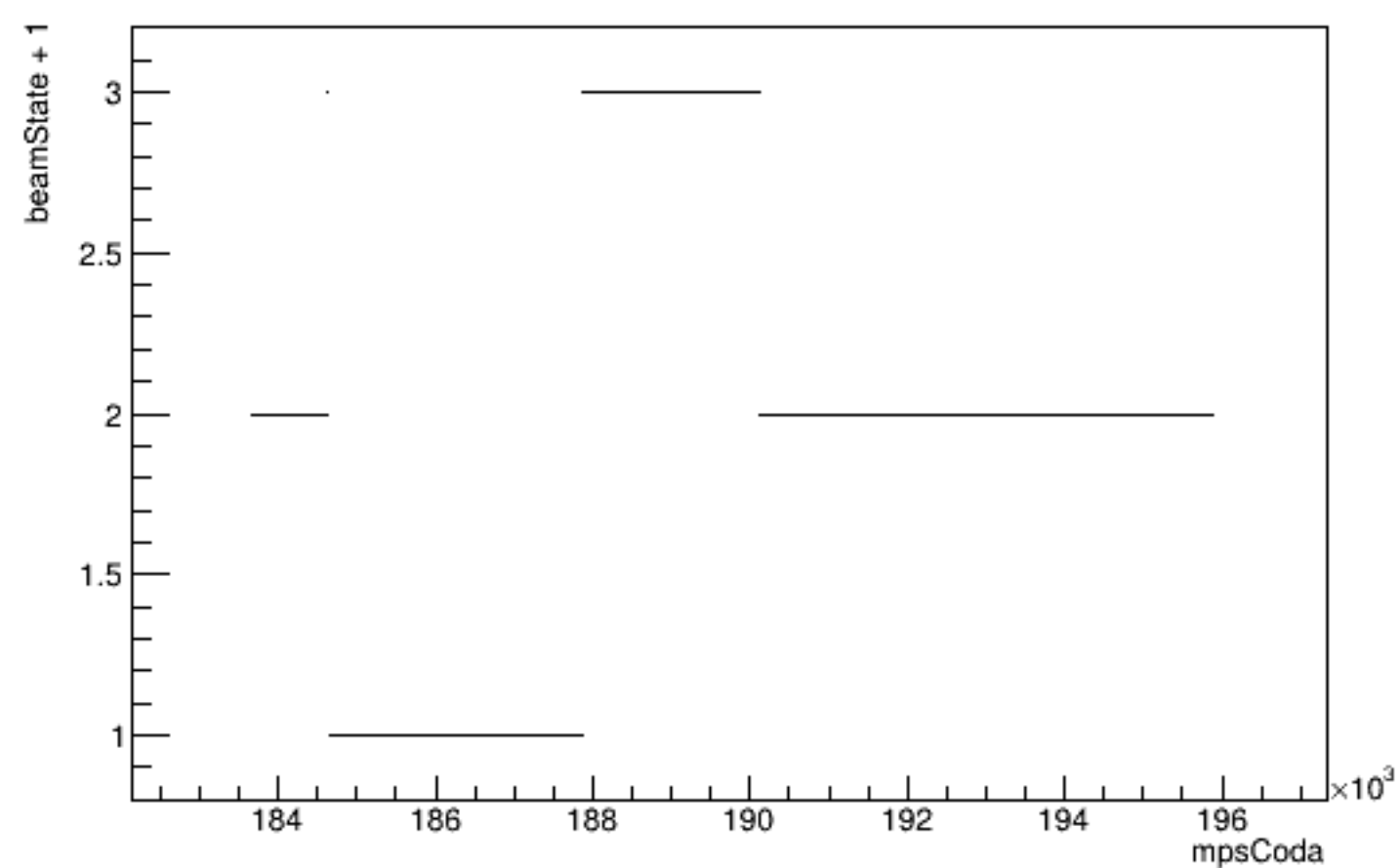
Acc0/NAcc0:mpsCoda (mpsCoda>=183676 && mpsCoda<=195871 && beamState==1)



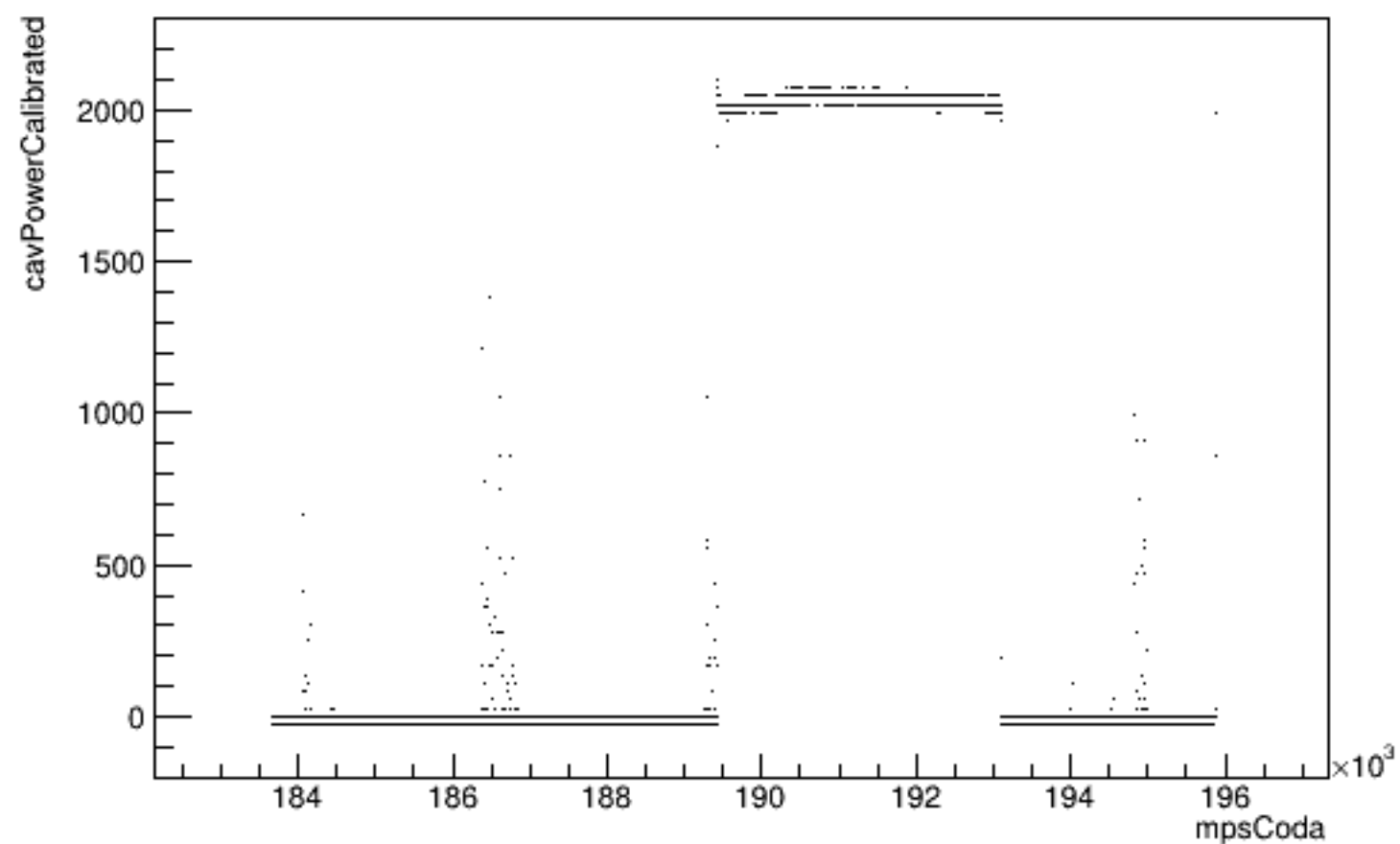
laserState:mpsCoda {mpsCoda>=183676 && mpsCoda<=195871}



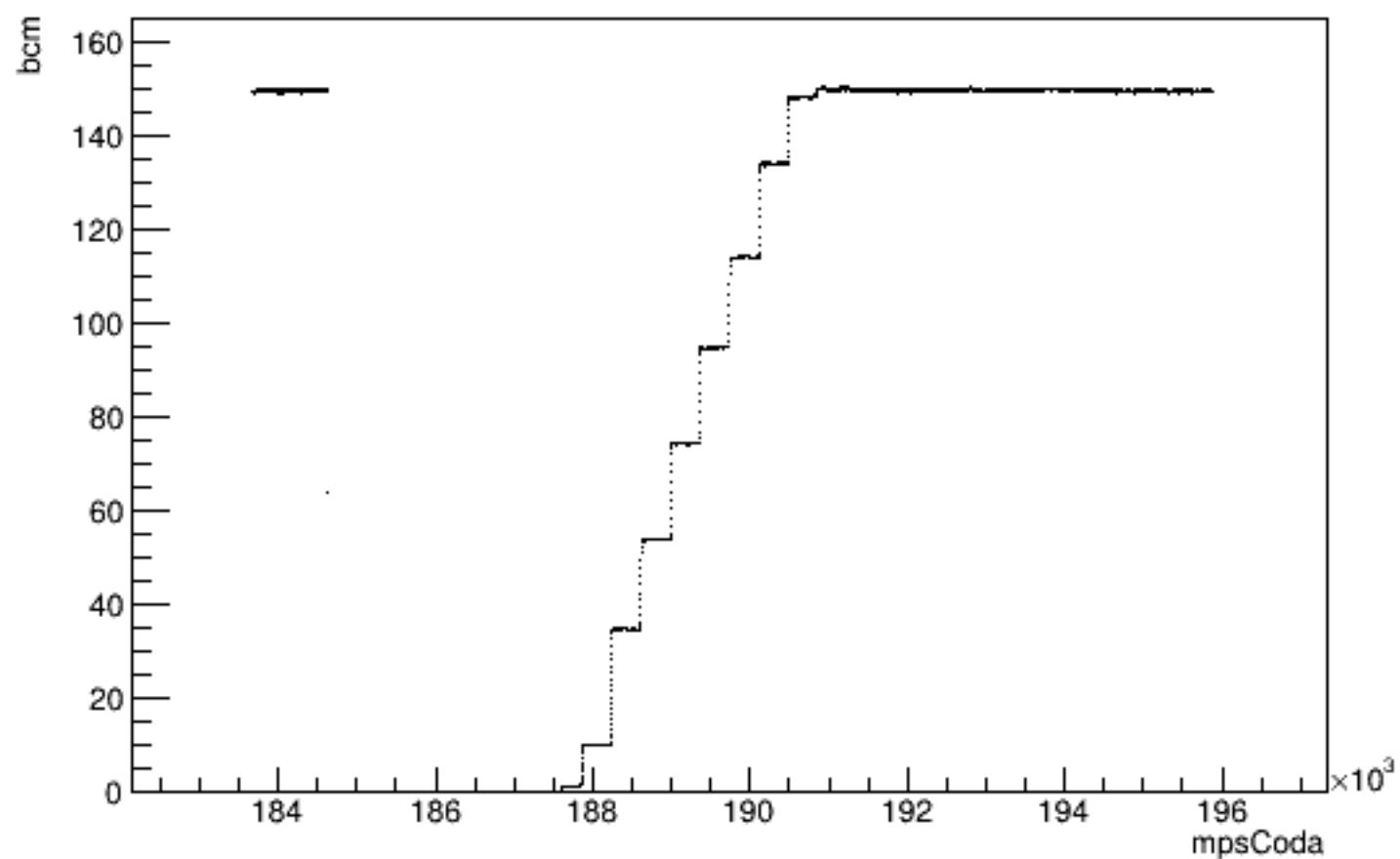
beamState + 1:mpsCoda {mpsCoda>=183676 && mpsCoda<=195871}



cavPowerCalibrated:mpsCoda {mpsCoda>=183676 && mpsCoda<=195871}



bcm:mpsCoda {mpsCoda>=183676 && mpsCoda<=195871}



Cycle 14, Diffs

Entries: 2965

Mean: 0.0025 +/- 0.0064

Std Dev: 0.3487 +/- 0.0045

Entries: 521

Mean: 0.5535 +/- 0.0282

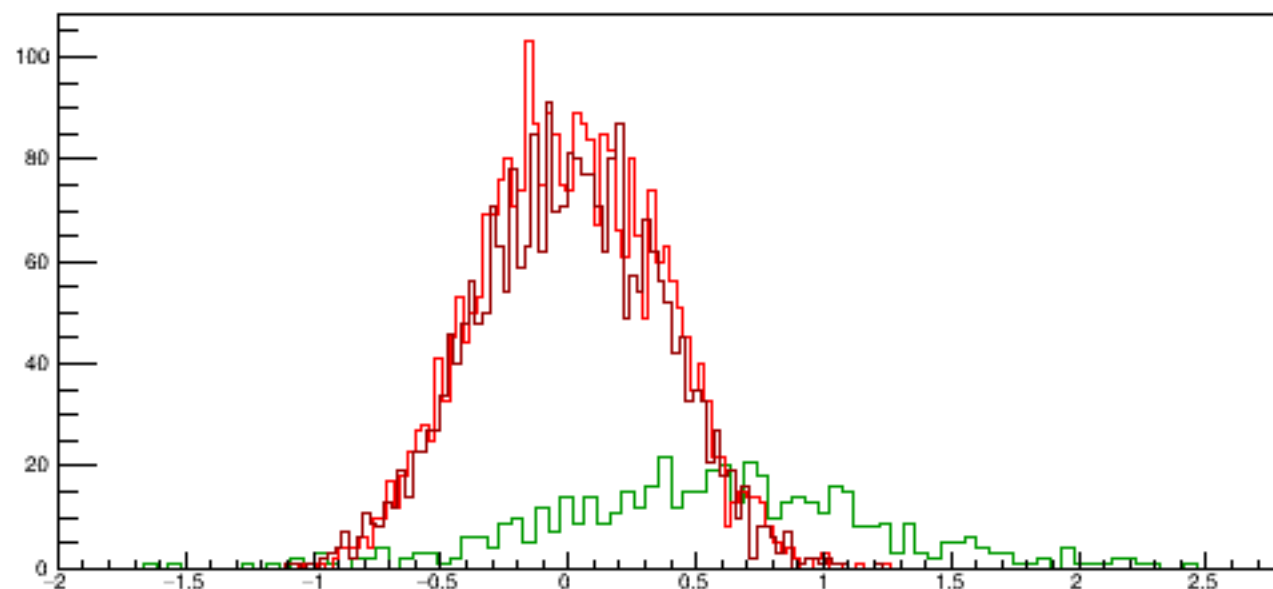
Std Dev: 0.6445 +/- 0.0200

Entries: 2659

Mean: -0.0021 +/- 0.0069

Std Dev: 0.3558 +/- 0.0049

Run 5204 quartetwise, Diffs



Cycle 14, Sums

Entries: 2965

Mean: 1.8297 +/- 0.0061

Std Dev: 0.3310 +/- 0.0043

Entries: 521

Mean: 20.5012 +/- 0.0435

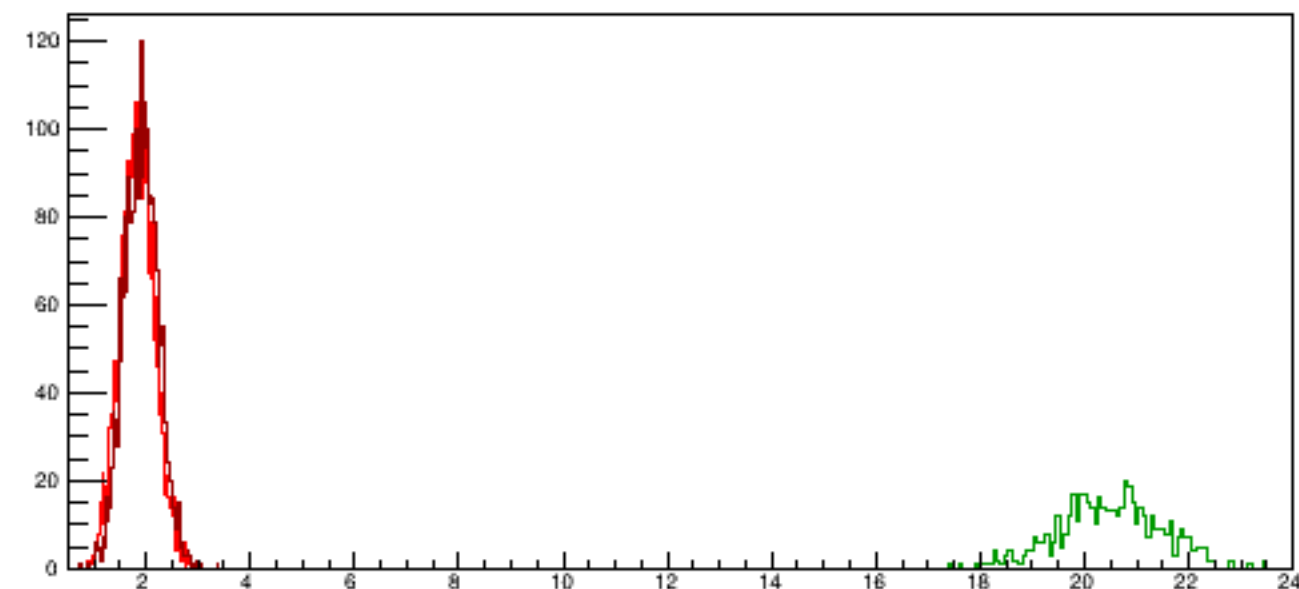
Std Dev: 0.9927 +/- 0.0308

Entries: 2659

Mean: 1.9061 +/- 0.0063

Std Dev: 0.3240 +/- 0.0044

Run 5204 quartetwise, Sums



Cycle 14, Asyms

Entries: 2965

Mean: 0.0001 +/- 0.0003

Std Dev: 0.0187 +/- 0.0002

Entries: 521

Mean: 0.0297 +/- 0.0015

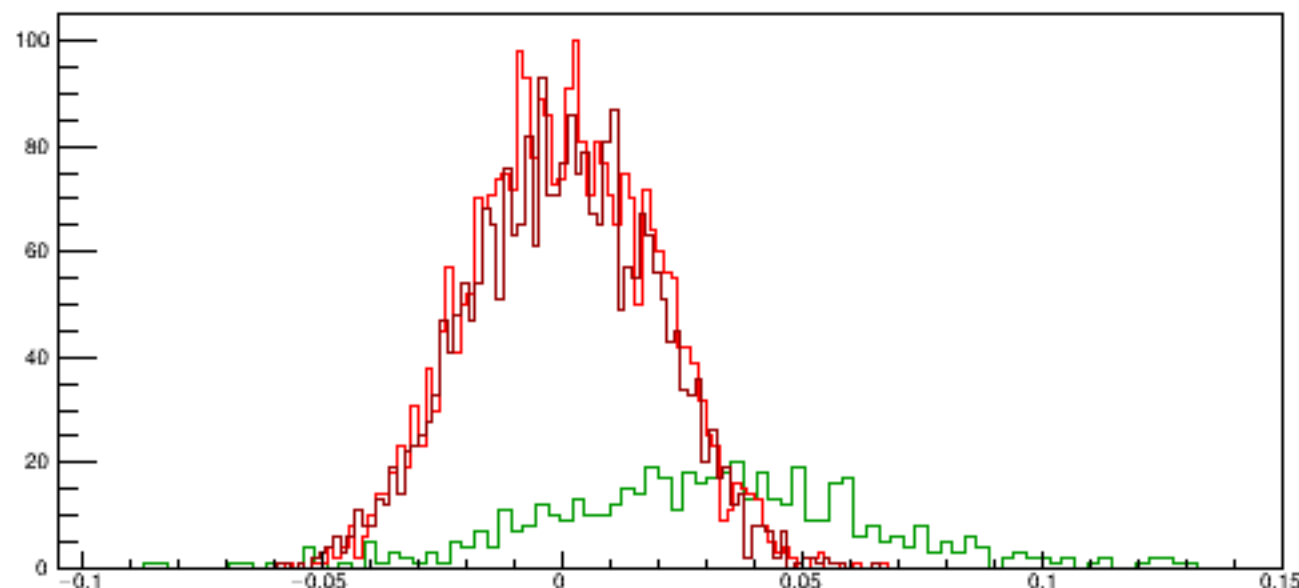
Std Dev: 0.0349 +/- 0.0011

Entries: 2659

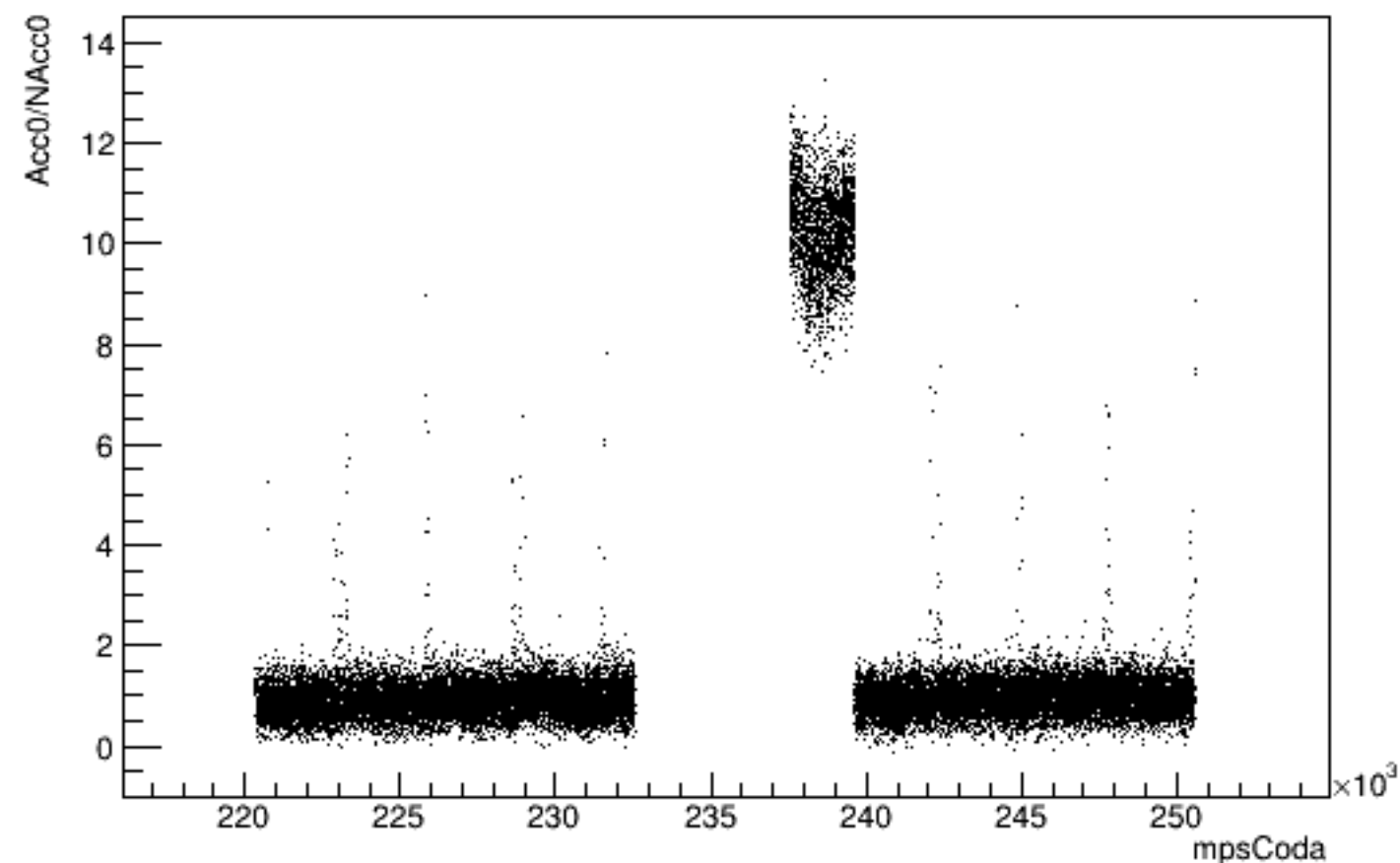
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0191 +/- 0.0003

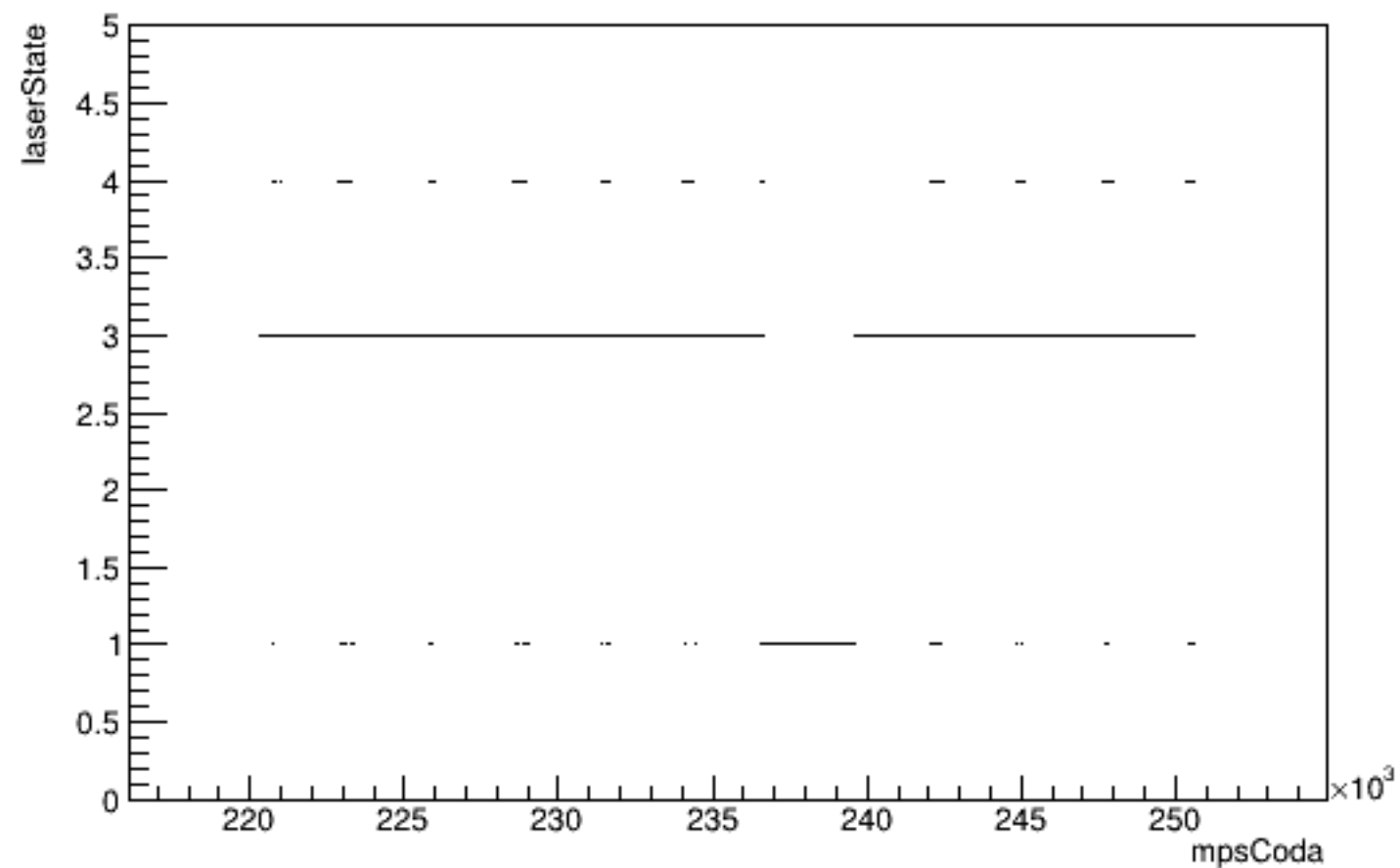
Run 5204 quartetwise, Asyms



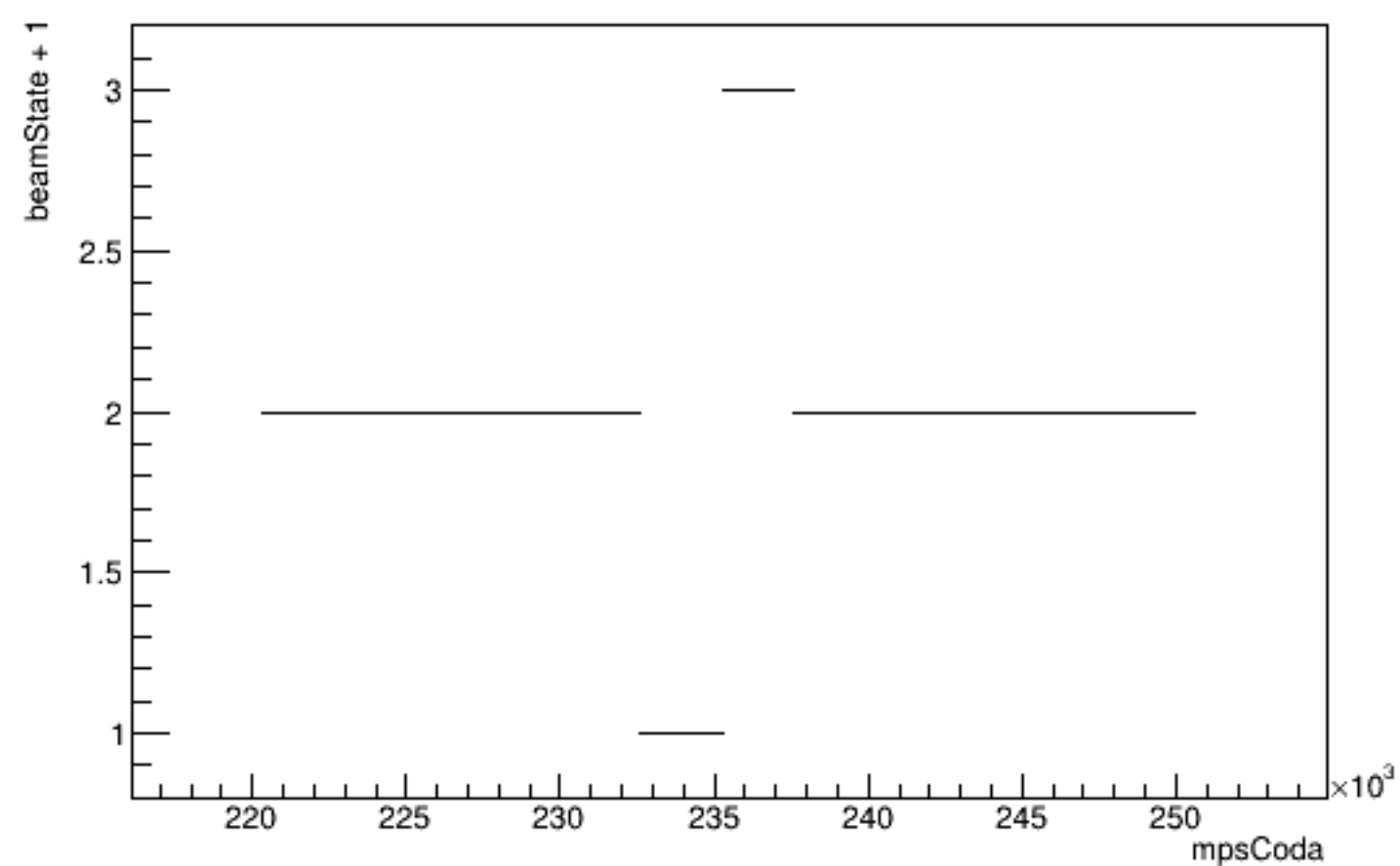
Acc0/NAcc0:mpsCoda (mpsCoda>=220348 && mpsCoda<=250571 && beamState==1)



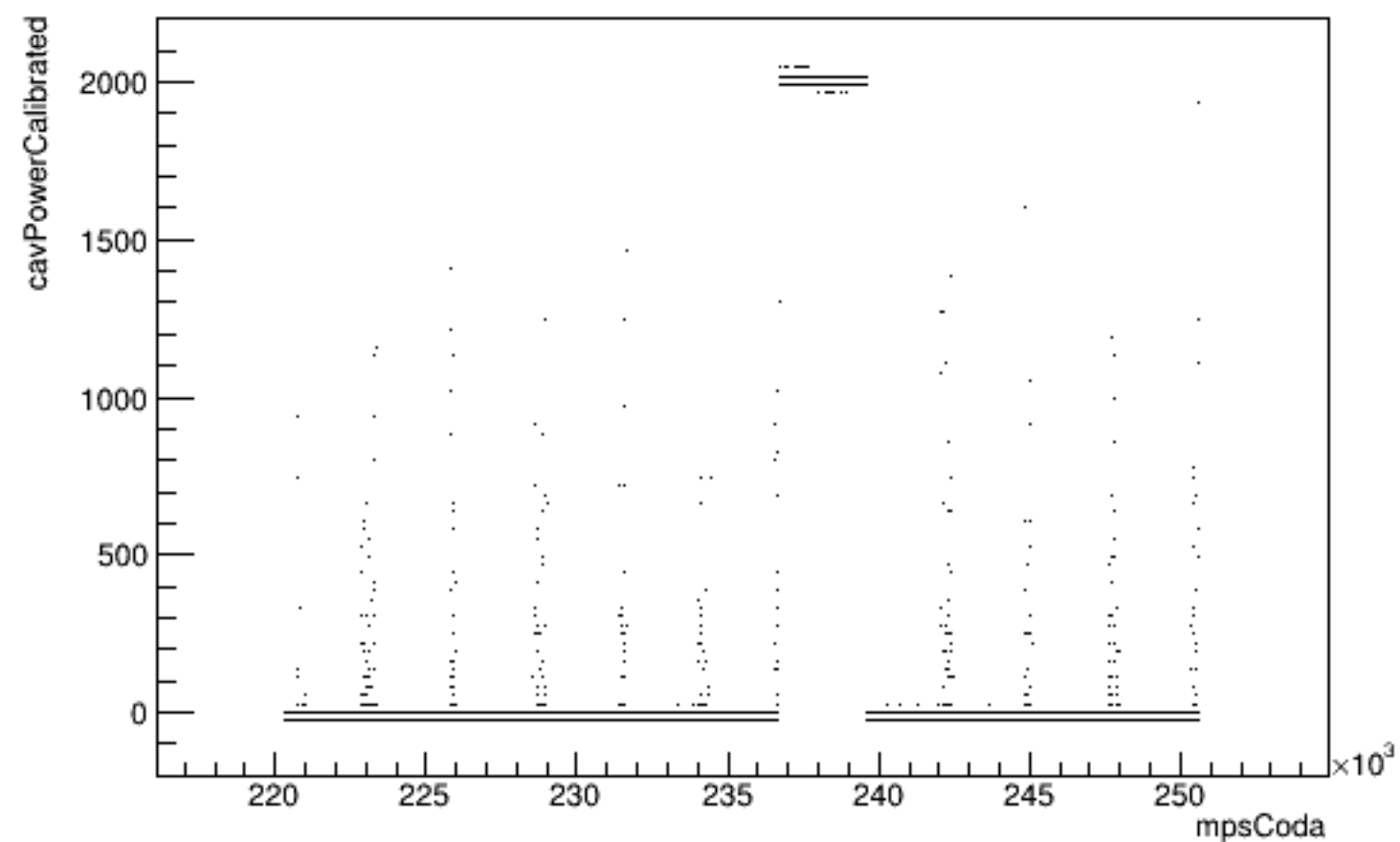
laserState:mpsCoda {mpsCoda>=220348 && mpsCoda<=250571}



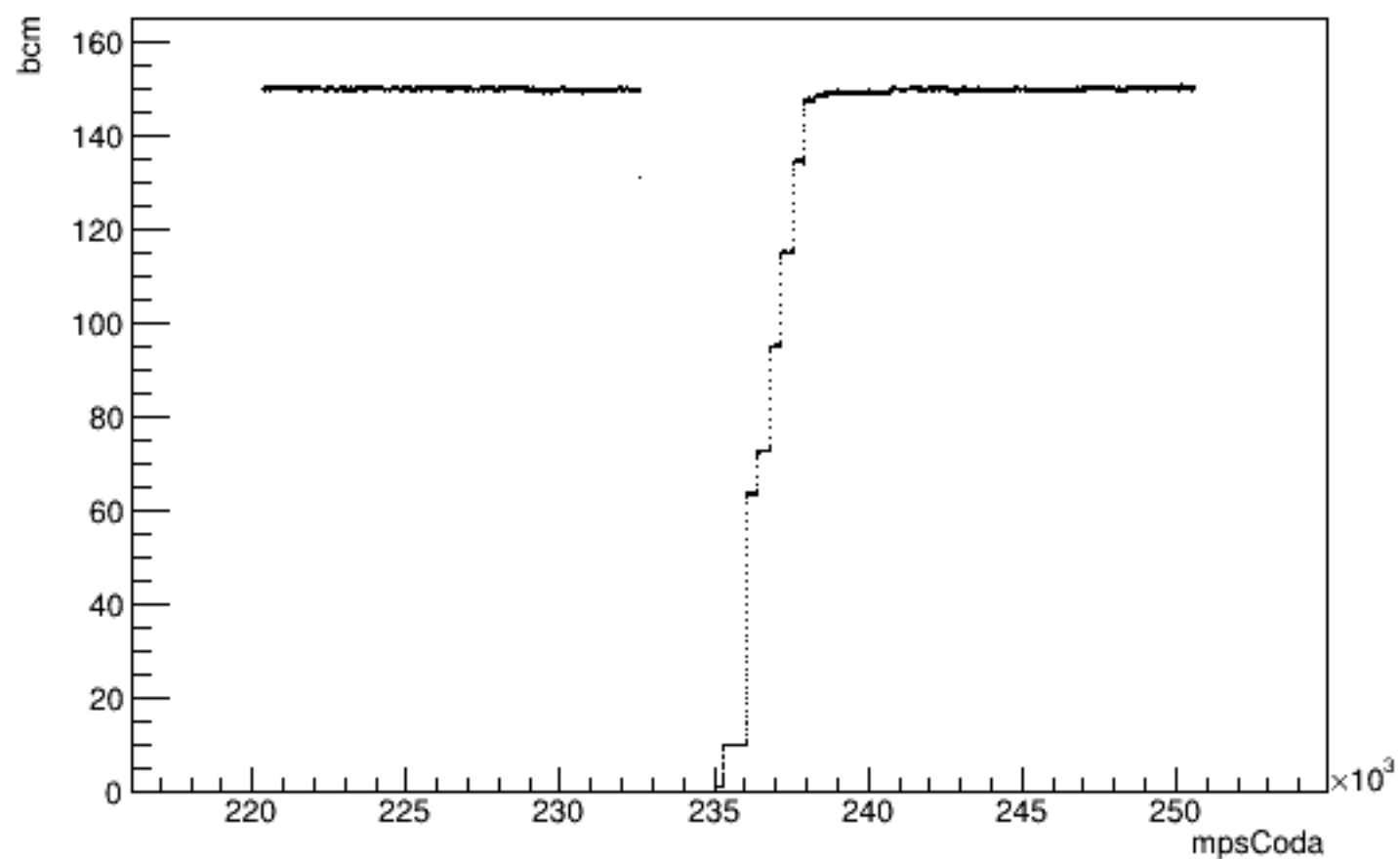
beamState + 1:mpsCoda {mpsCoda>=220348 && mpsCoda<=250571}



cavPowerCalibrated:mpsCoda {mpsCoda>=220348 && mpsCoda<=250571}



bcm:mpsCoda {mpsCoda>=220348 && mpsCoda<=250571}



Cycle 15, Diffs

Entries: 2659

Mean: -0.0021 +/- 0.0069

Std Dev: 0.3558 +/- 0.0049

Entries: 592

Mean: 0.6099 +/- 0.0280

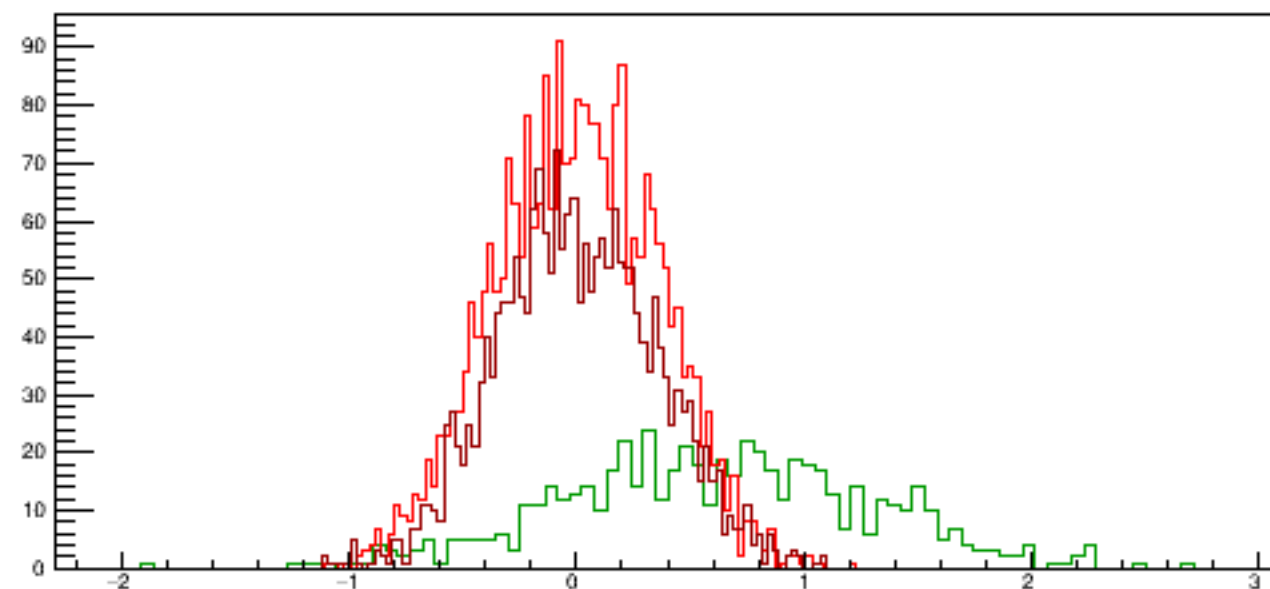
Std Dev: 0.6819 +/- 0.0198

Entries: 2138

Mean: 0.0007 +/- 0.0076

Std Dev: 0.3516 +/- 0.0054

Run 5204 quartetwise, Diffs



Cycle 15, Sums

Entries: 2659

Mean: 1.9061 +/- 0.0063

Std Dev: 0.3240 +/- 0.0044

Entries: 592

Mean: 21.8319 +/- 0.0345

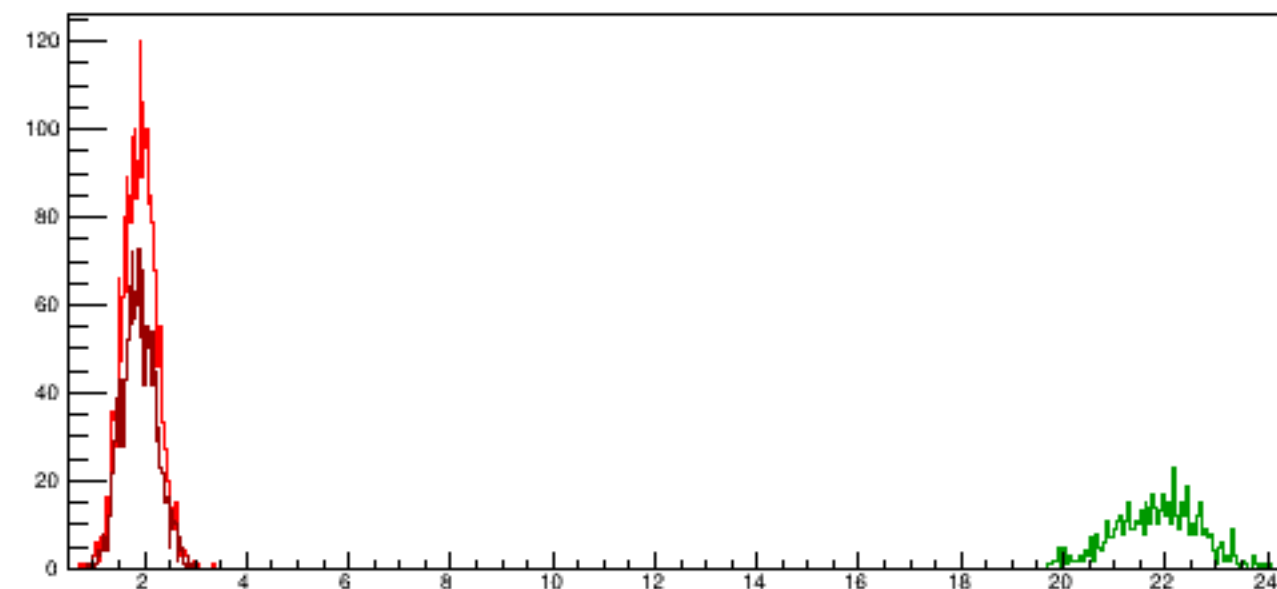
Std Dev: 0.8396 +/- 0.0244

Entries: 2138

Mean: 1.8908 +/- 0.0071

Std Dev: 0.3299 +/- 0.0050

Run 5204 quartetwise, Sums



Cycle 15, Asyms

Entries: 2659

Mean: -0.0001 +/- 0.0003

Std Dev: 0.0179 +/- 0.0002

Entries: 592

Mean: 0.0306 +/- 0.0014

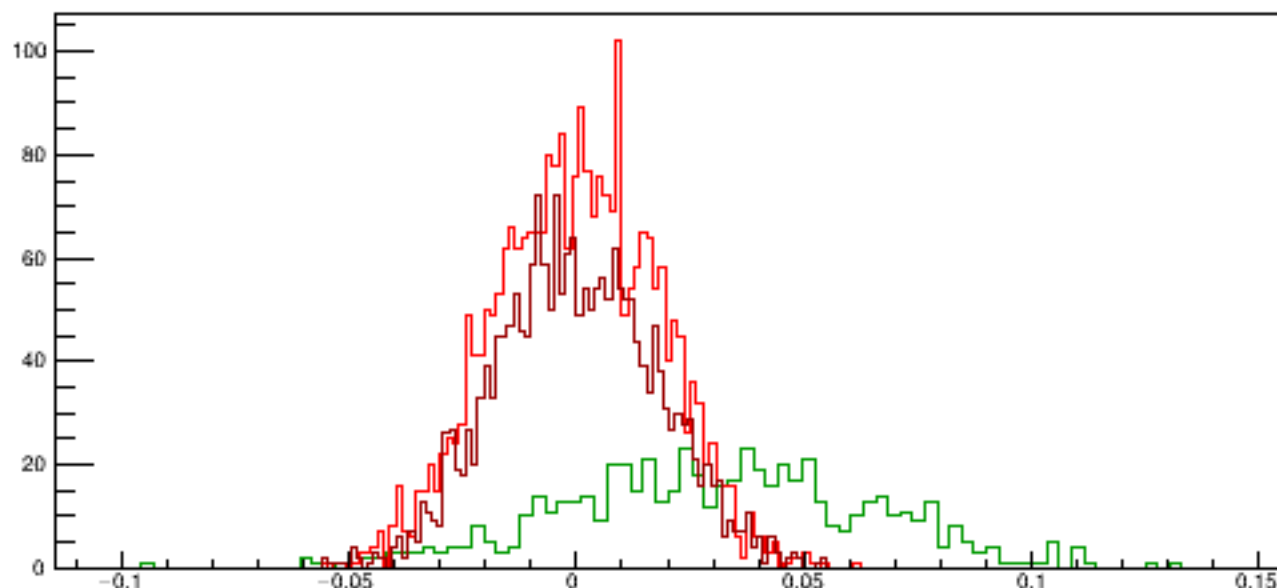
Std Dev: 0.0341 +/- 0.0010

Entries: 2138

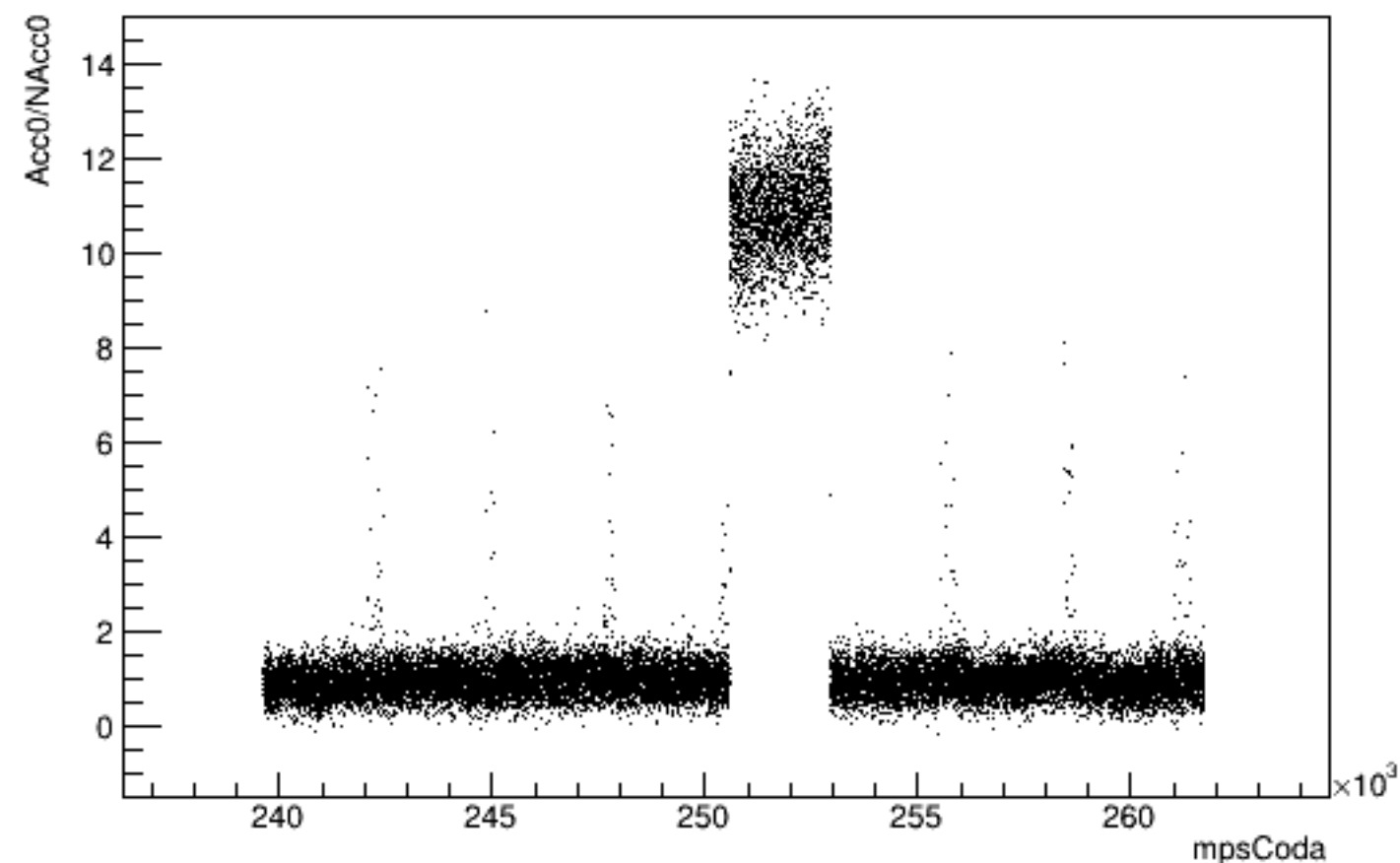
Mean: 0.0000 +/- 0.0004

Std Dev: 0.0176 +/- 0.0003

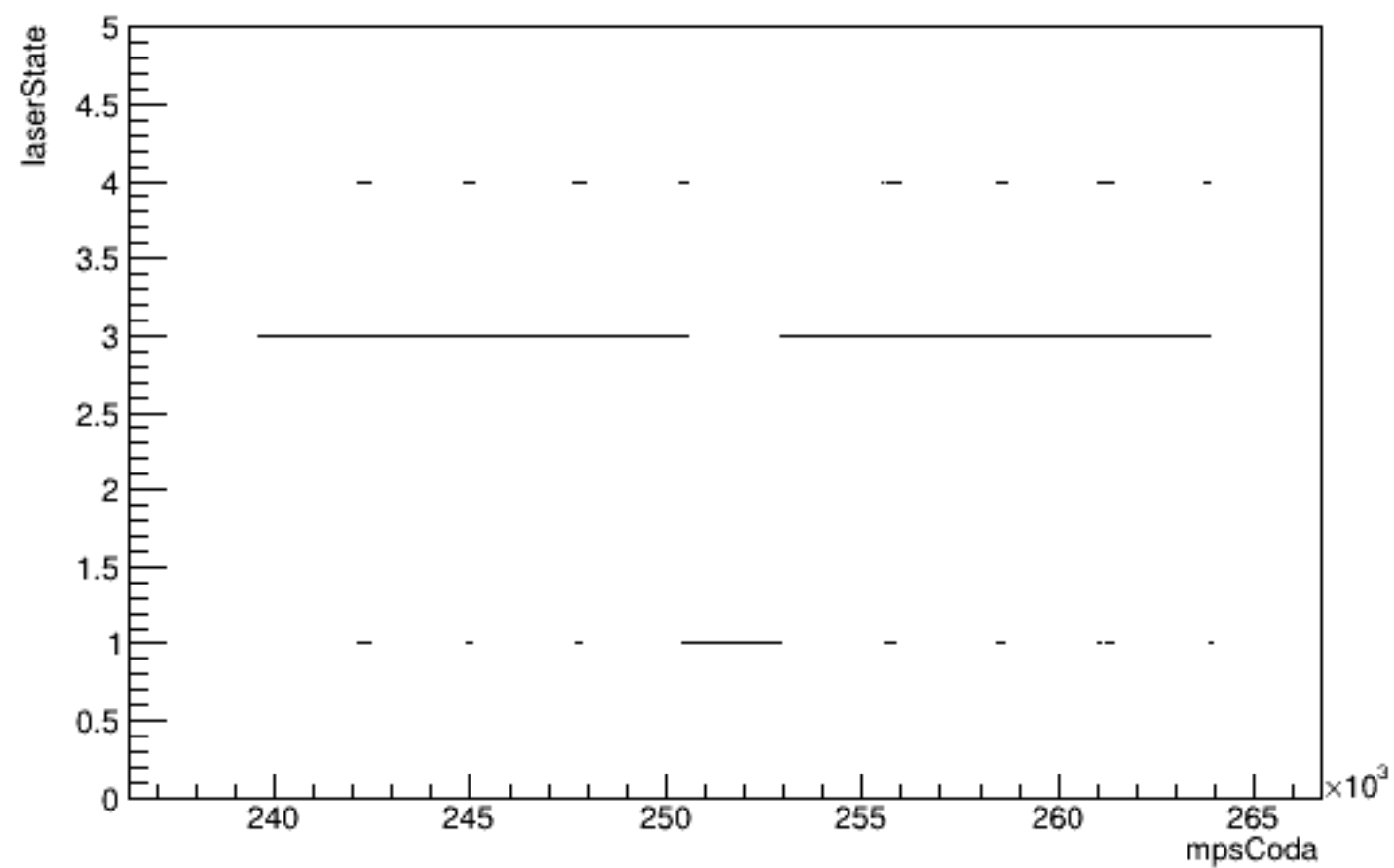
Run 5204 quartetwise, Asyms



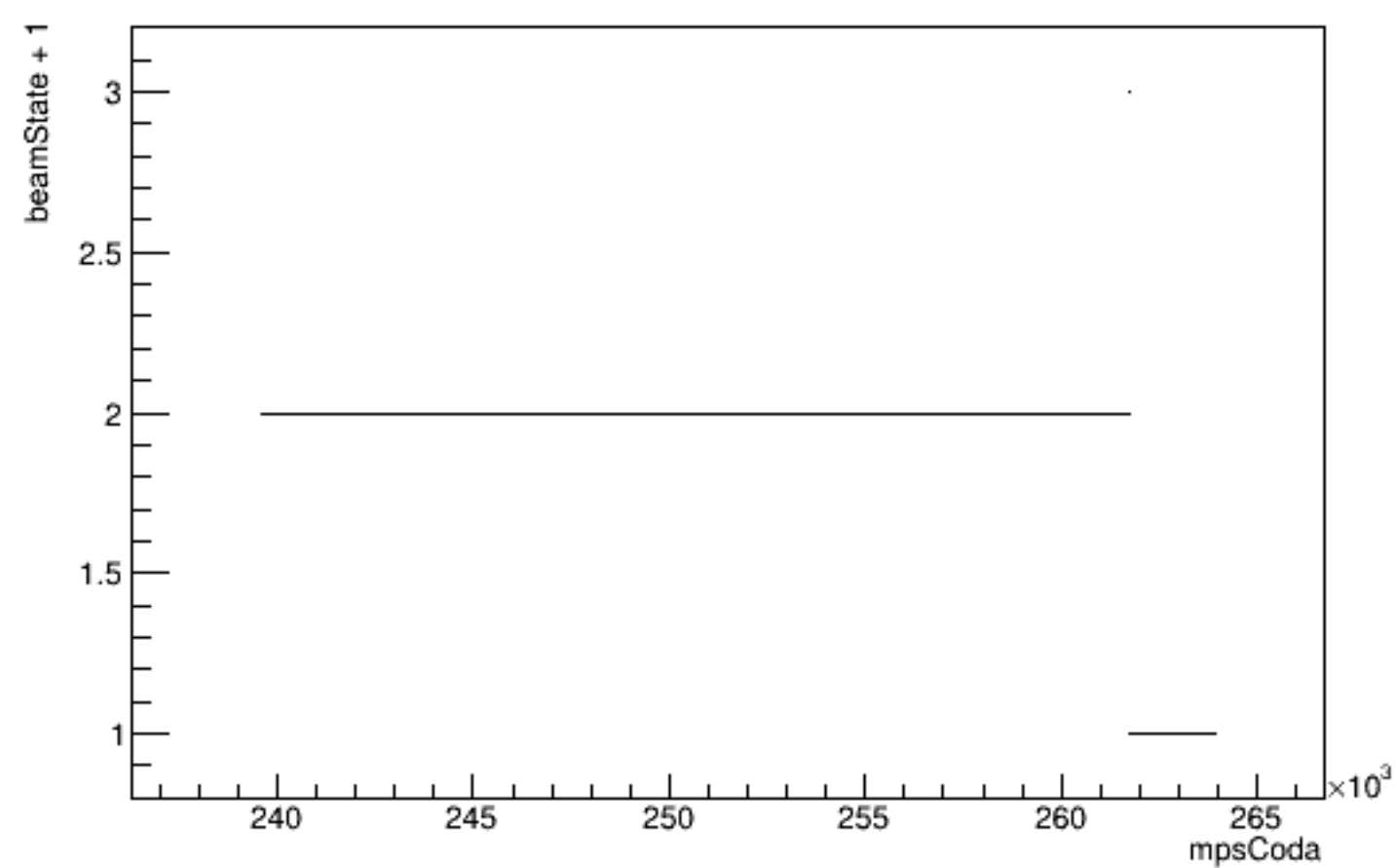
Acc0/NAcc0:mpsCoda (mpsCoda>=239628 && mpsCoda<=263899 && beamState==1)



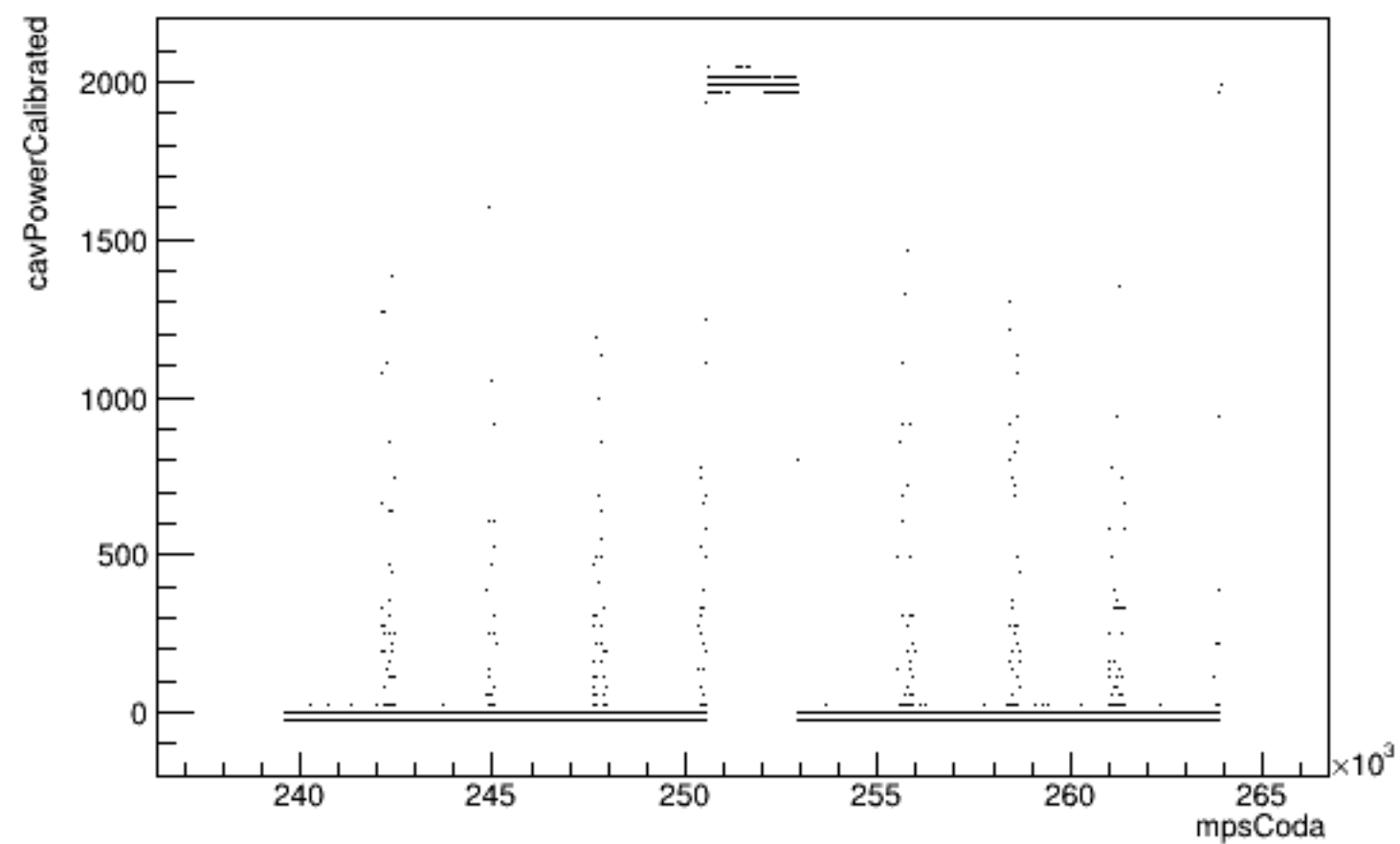
laserState:mpsCoda {mpsCoda>=239628 && mpsCoda<=263899}



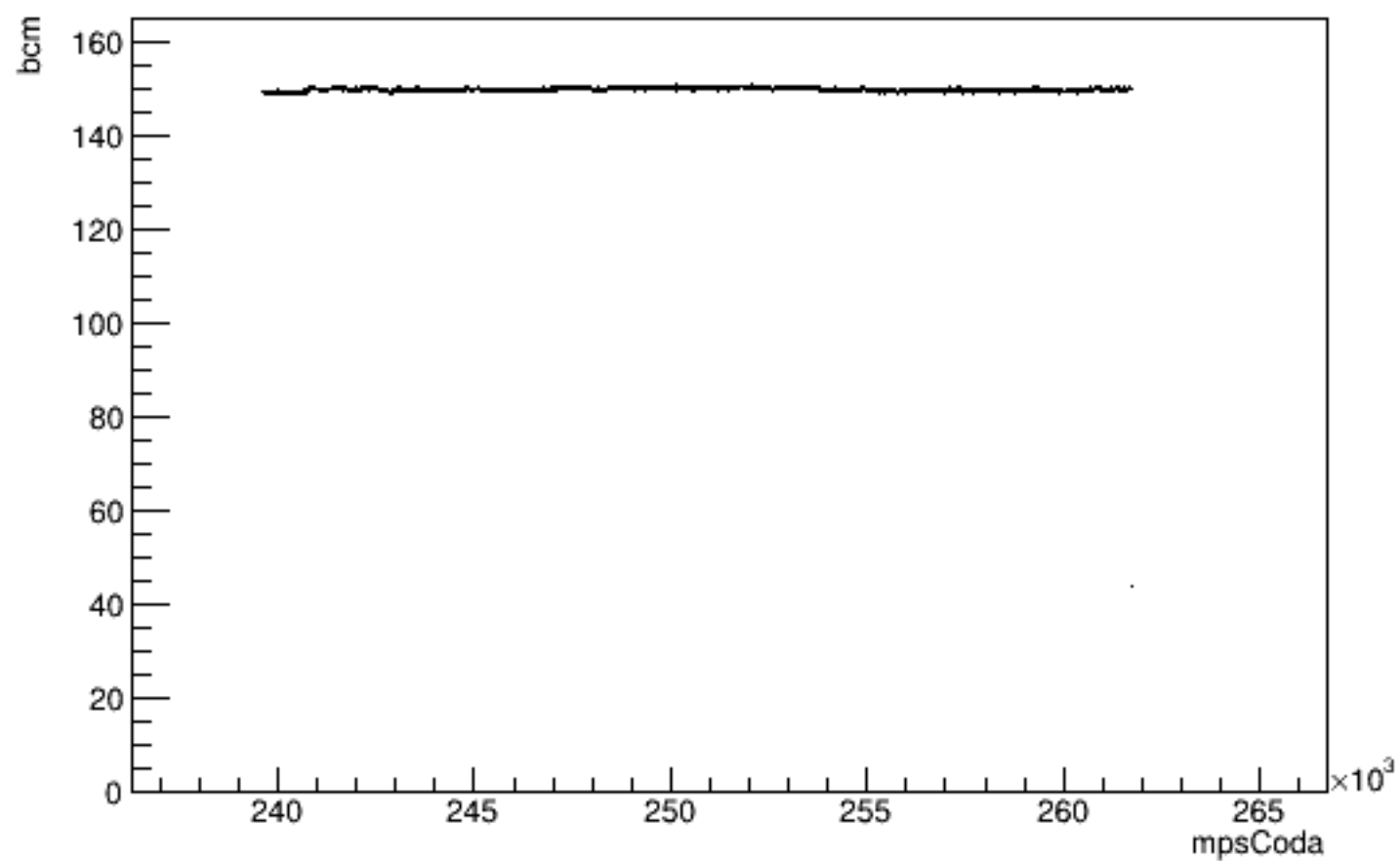
beamState + 1:mpsCoda {mpsCoda>=239628 && mpsCoda<=263899}



cavPowerCalibrated:mpsCoda {mpsCoda>=239628 && mpsCoda<=263899}



bcm:mpsCoda {mpsCoda>=239628 && mpsCoda<=263899}



Cycle 16, Diffs

Entries: 111

Mean: 0.0008 +/- 0.0339

Std Dev: 0.3570 +/- 0.0240

Entries: 487

Mean: 0.6129 +/- 0.0292

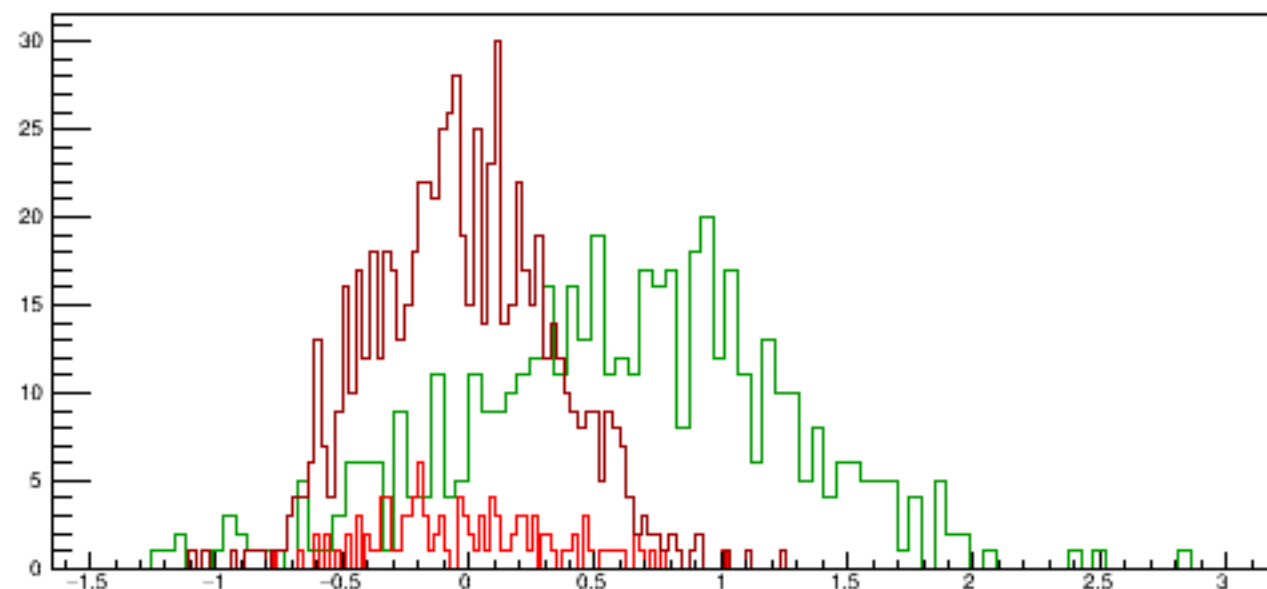
Std Dev: 0.6455 +/- 0.0207

Entries: 731

Mean: -0.0194 +/- 0.0130

Std Dev: 0.3526 +/- 0.0092

Run 5204 quartetwise, Diffs



Cycle 16, Sums

Entries: 111

Mean: 1.2309 +/- 0.0281

Std Dev: 0.2962 +/- 0.0199

Entries: 487

Mean: 21.4832 +/- 0.0387

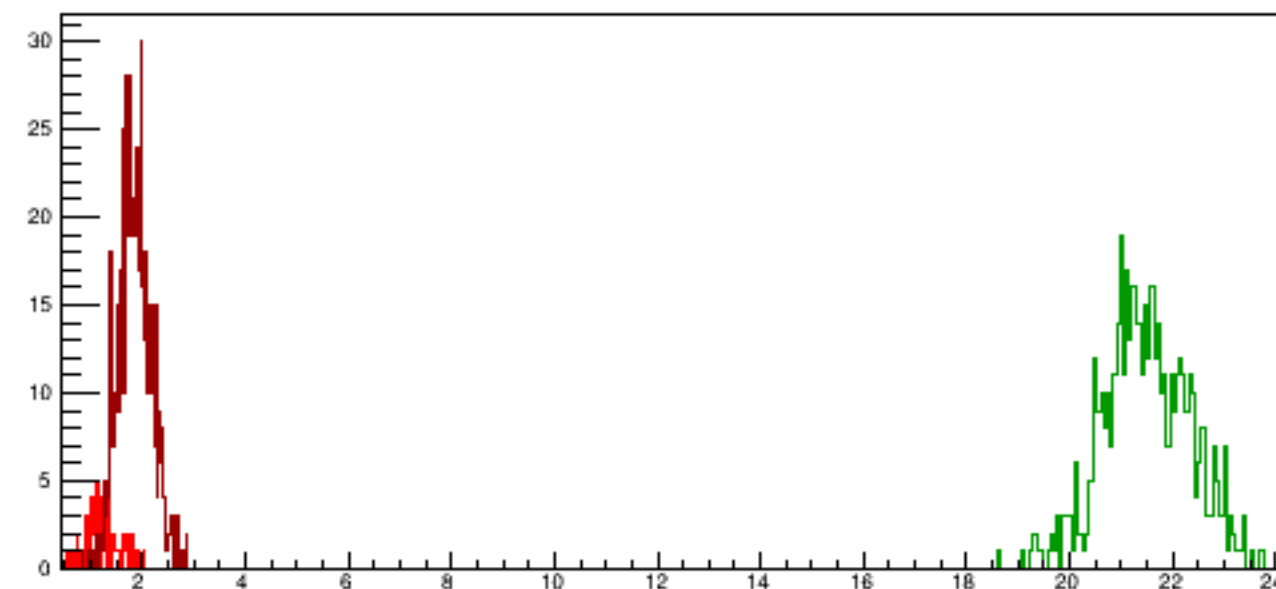
Std Dev: 0.8535 +/- 0.0273

Entries: 731

Mean: 1.8490 +/- 0.0115

Std Dev: 0.3122 +/- 0.0082

Run 5204 quartetwise, Sums



Cycle 16, Asyms

Entries: 111

Mean: 0.0000 +/- 0.0017

Std Dev: 0.0179 +/- 0.0012

Entries: 487

Mean: 0.0307 +/- 0.0015

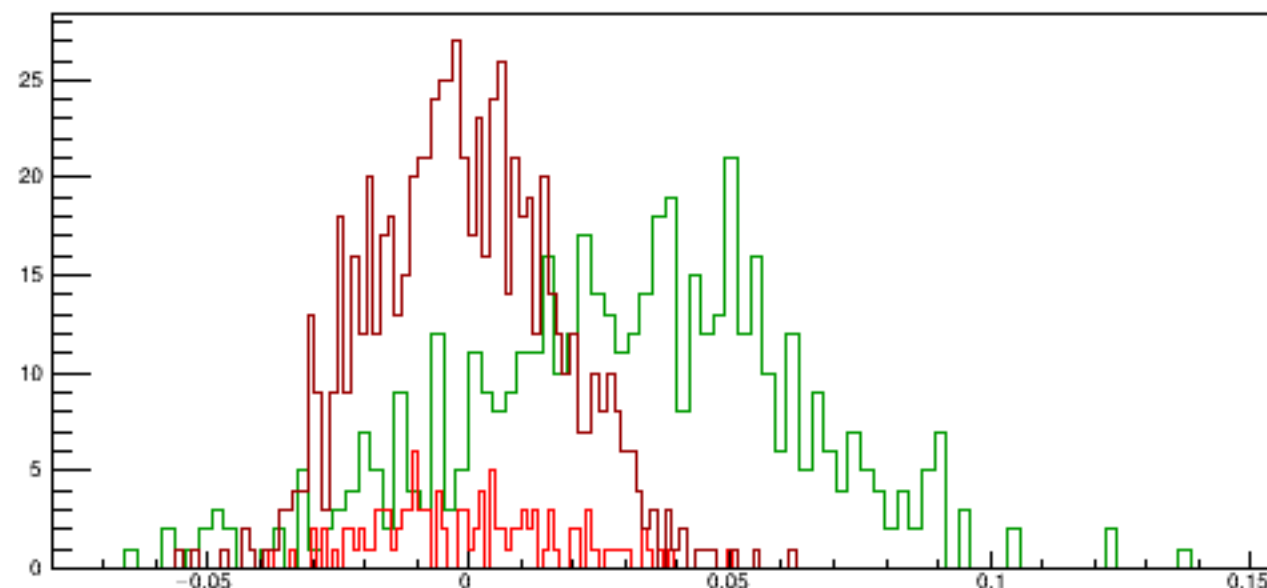
Std Dev: 0.0324 +/- 0.0010

Entries: 731

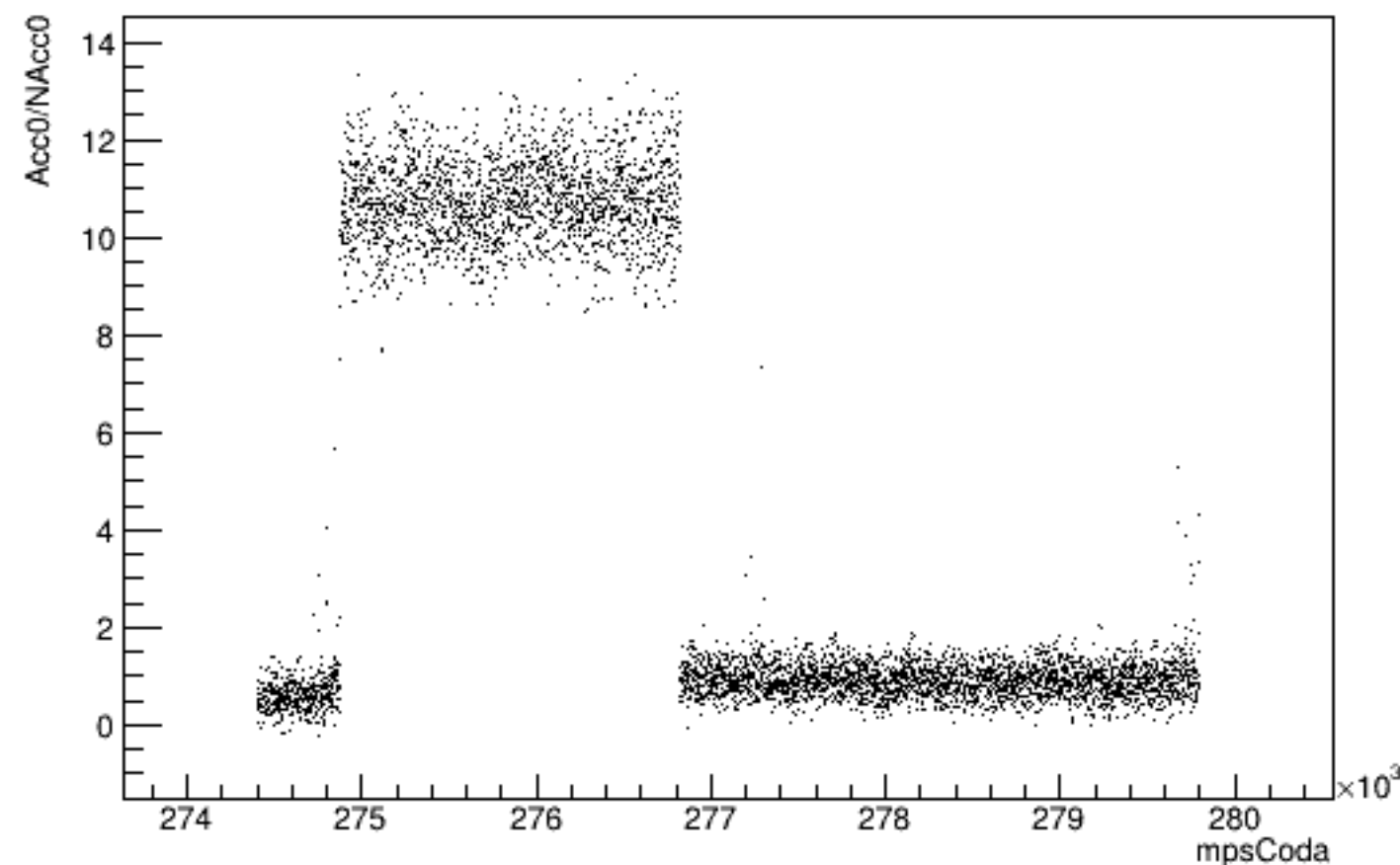
Mean: -0.0010 +/- 0.0007

Std Dev: 0.0177 +/- 0.0005

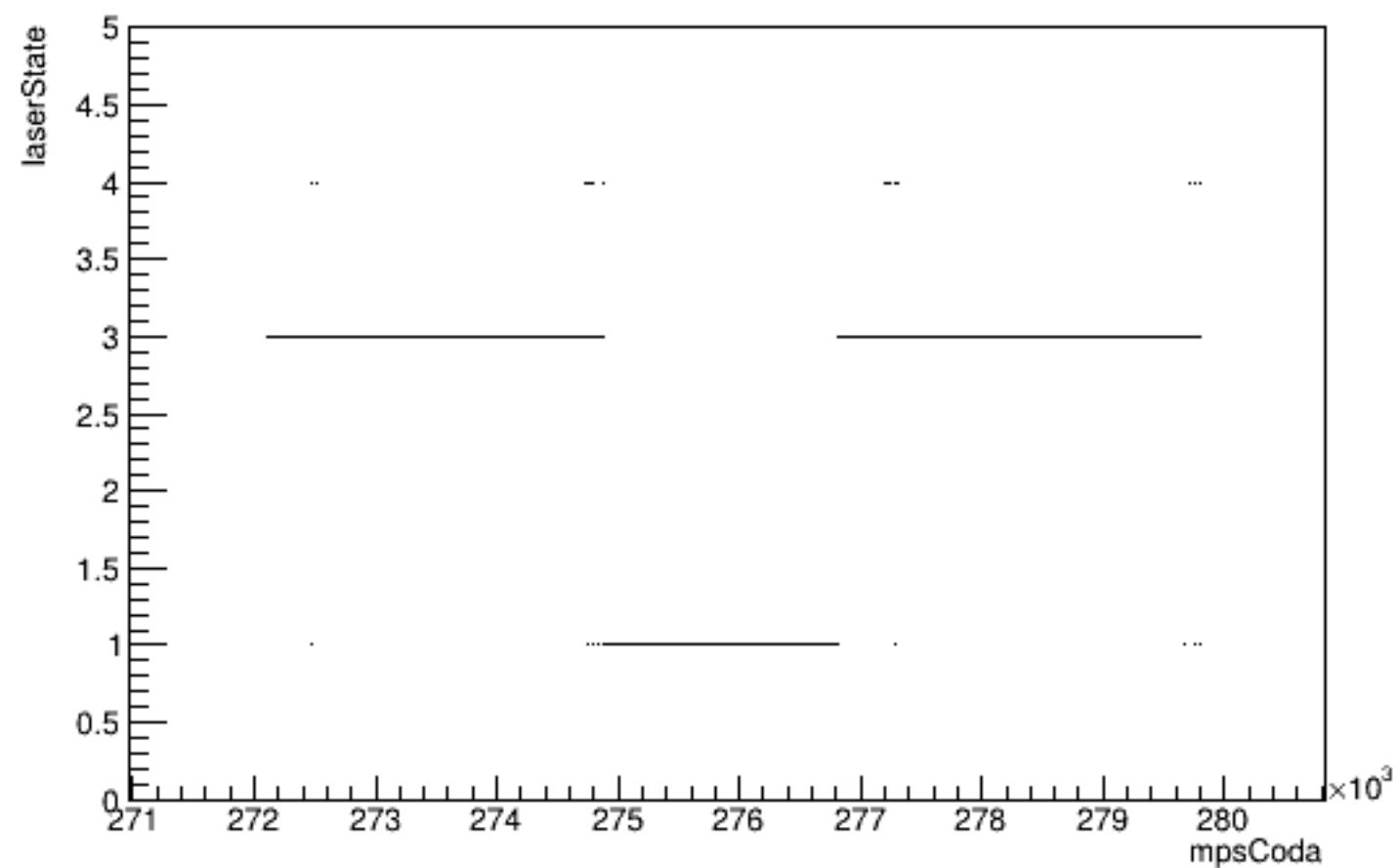
Run 5204 quartetwise, Asyms



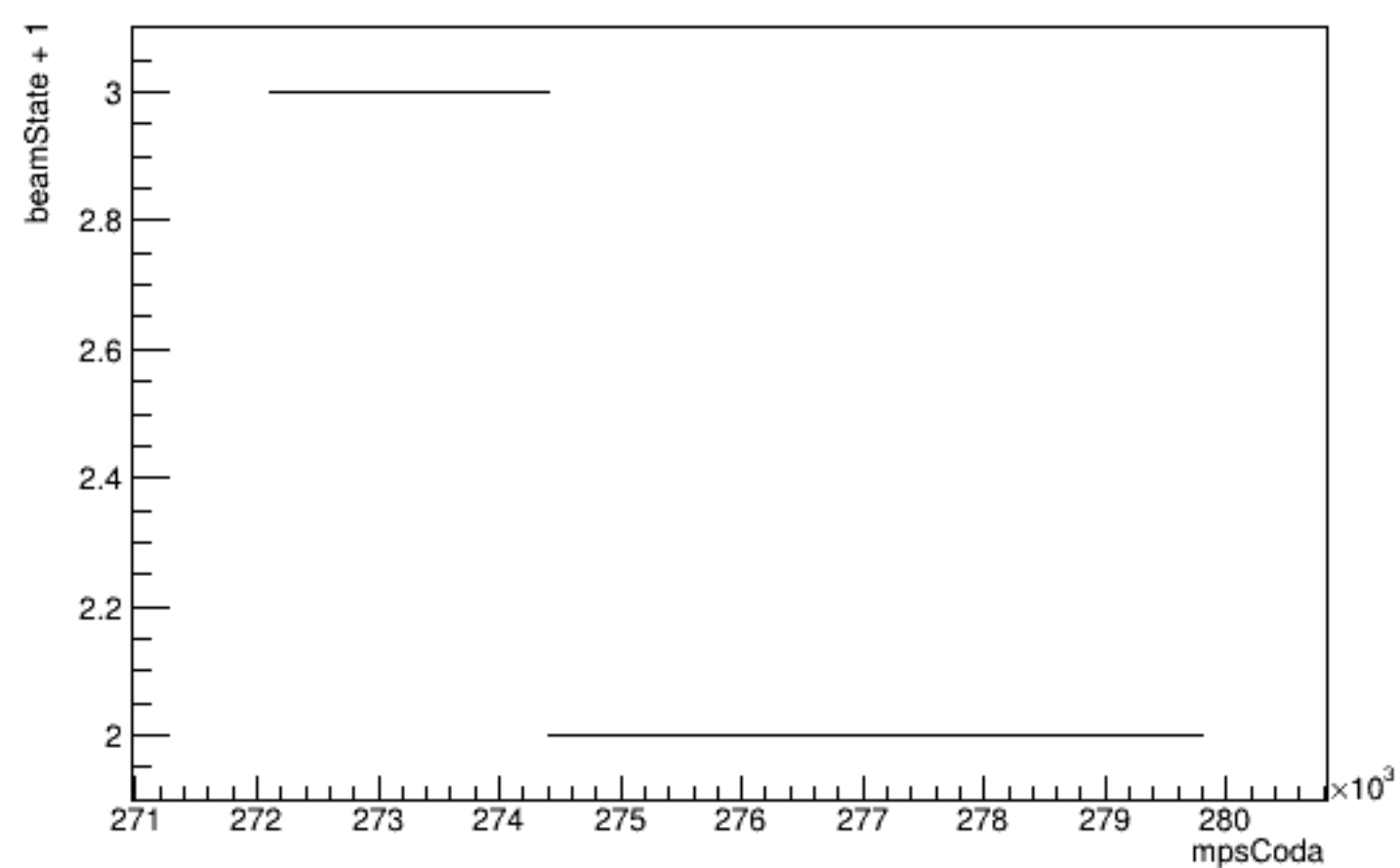
Acc0/NAcc0:mpsCoda (mpsCoda>=272104 && mpsCoda<=279795 && beamState==1)



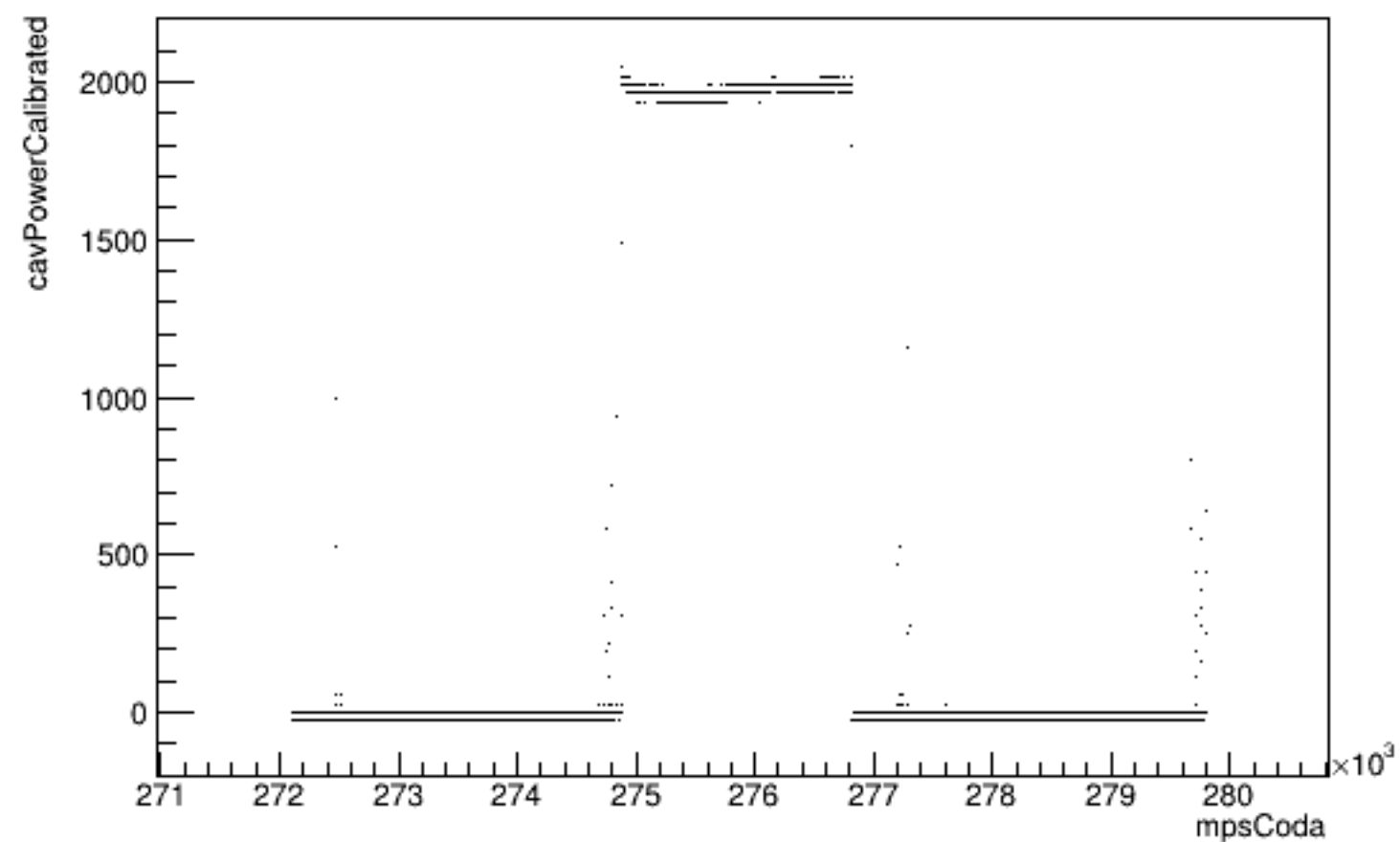
laserState:mpsCoda {mpsCoda>=272104 && mpsCoda<=279795}



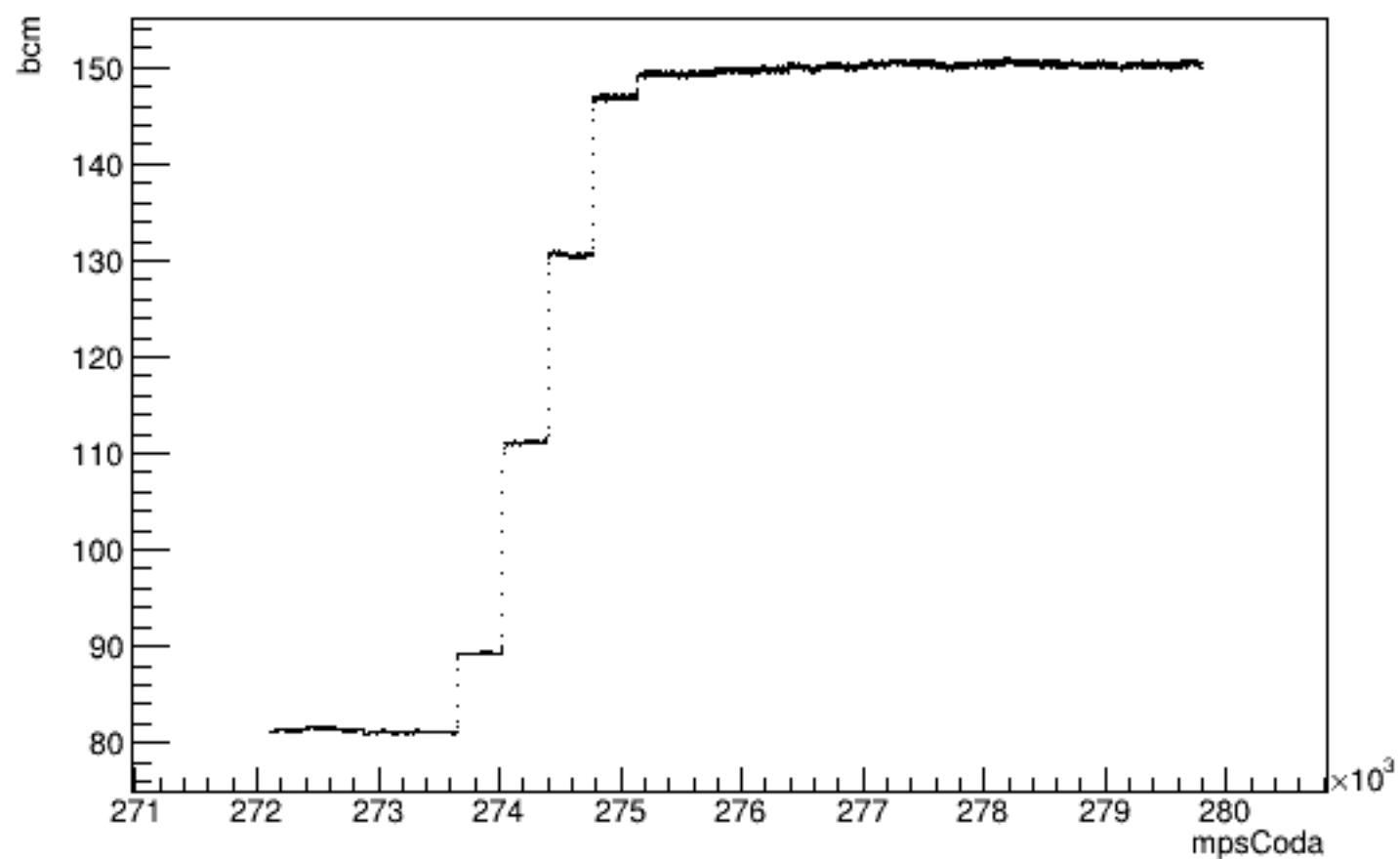
beamState + 1:mpsCoda {mpsCoda>=272104 && mpsCoda<=279795}



cavPowerCalibrated:mpsCoda {mpsCoda>=272104 && mpsCoda<=279795}



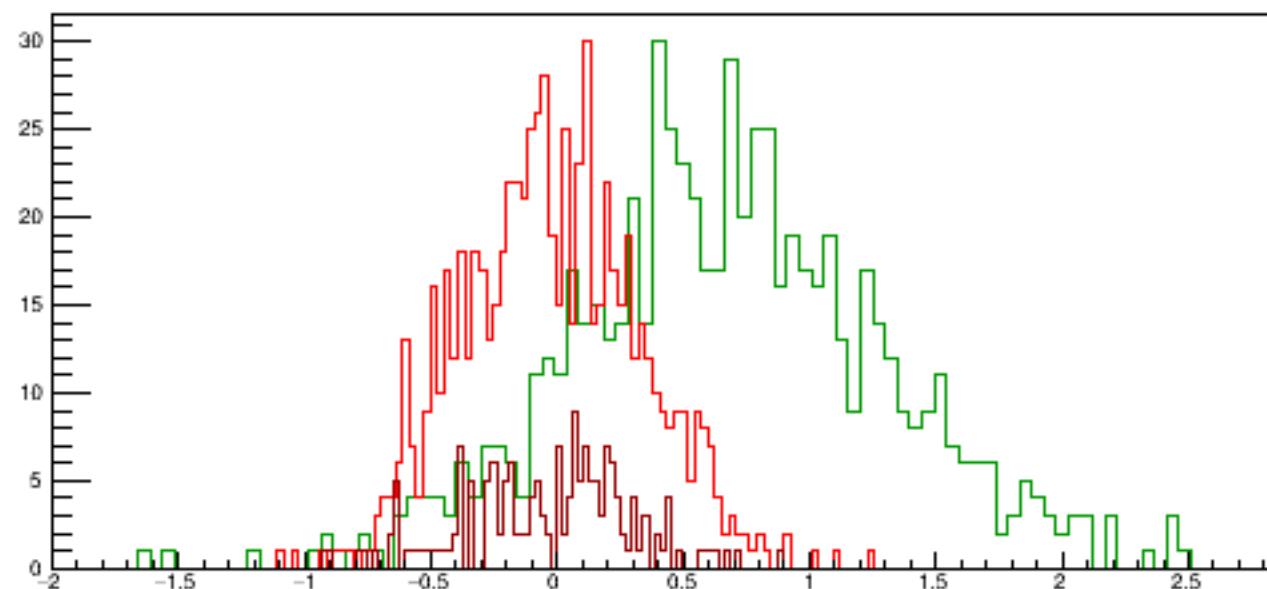
bcm:mpsCoda {mpsCoda>=272104 && mpsCoda<=279795}



Cycle 17, Diffs

Entries: 731	Entries: 683	Entries: 169
Mean: -0.0194 +/- 0.0130	Mean: 0.6775 +/- 0.0240	Mean: -0.0363 +/- 0.0257
Std Dev: 0.3526 +/- 0.0092	Std Dev: 0.6277 +/- 0.0170	Std Dev: 0.3345 +/- 0.0182

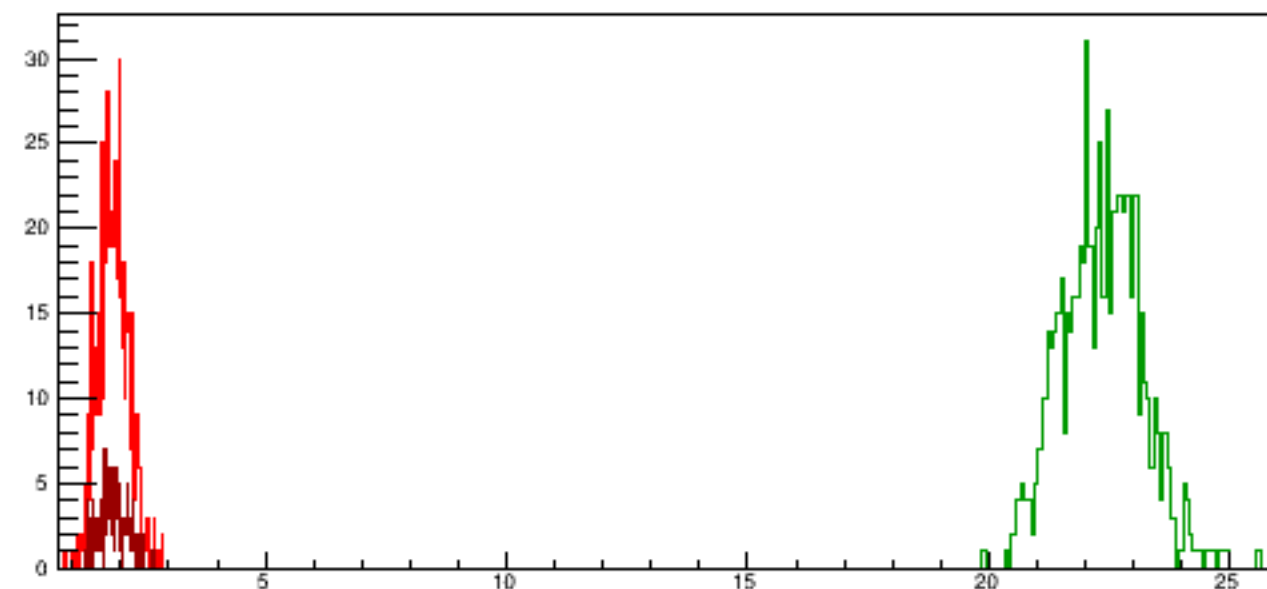
Run 5204 quartetwise, Diffs



Cycle 17, Sums

Entries: 731	Entries: 683	Entries: 169
Mean: 1.8490 +/- 0.0115	Mean: 22.3445 +/- 0.0318	Mean: 1.8511 +/- 0.0228
Std Dev: 0.3122 +/- 0.0082	Std Dev: 0.8319 +/- 0.0225	Std Dev: 0.2970 +/- 0.0162

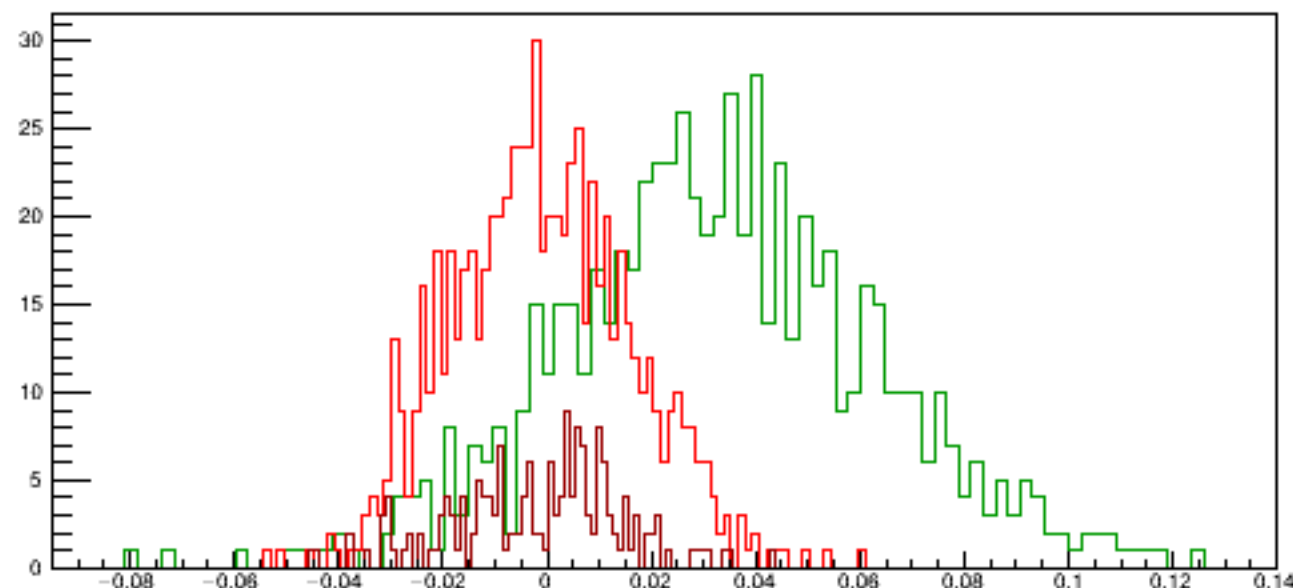
Run 5204 quartetwise, Sums



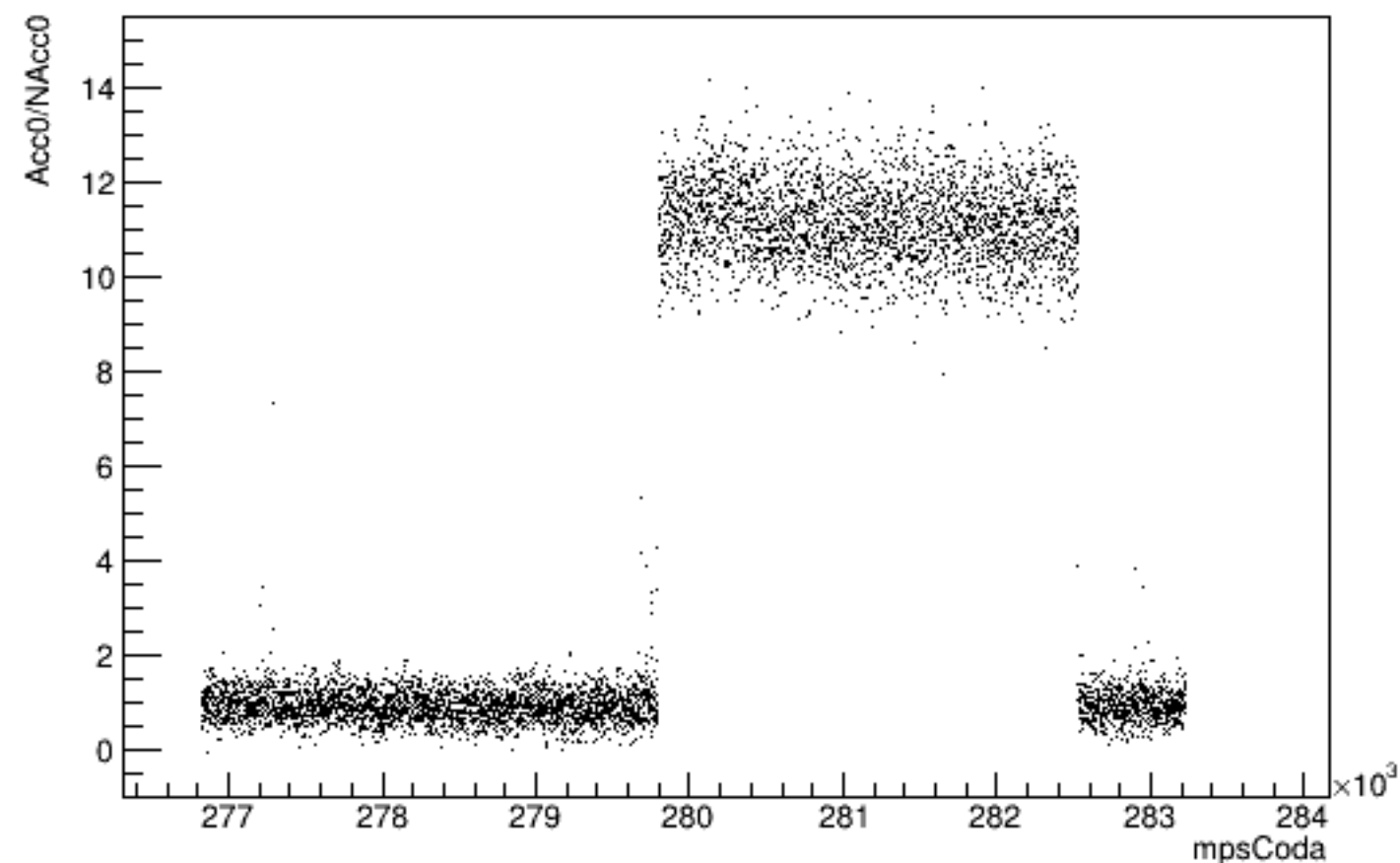
Cycle 17, Asyms

Entries: 731	Entries: 683	Entries: 169
Mean: -0.0009 +/- 0.0006	Mean: 0.0330 +/- 0.0012	Mean: -0.0018 +/- 0.0013
Std Dev: 0.0172 +/- 0.0004	Std Dev: 0.0306 +/- 0.0008	Std Dev: 0.0163 +/- 0.0009

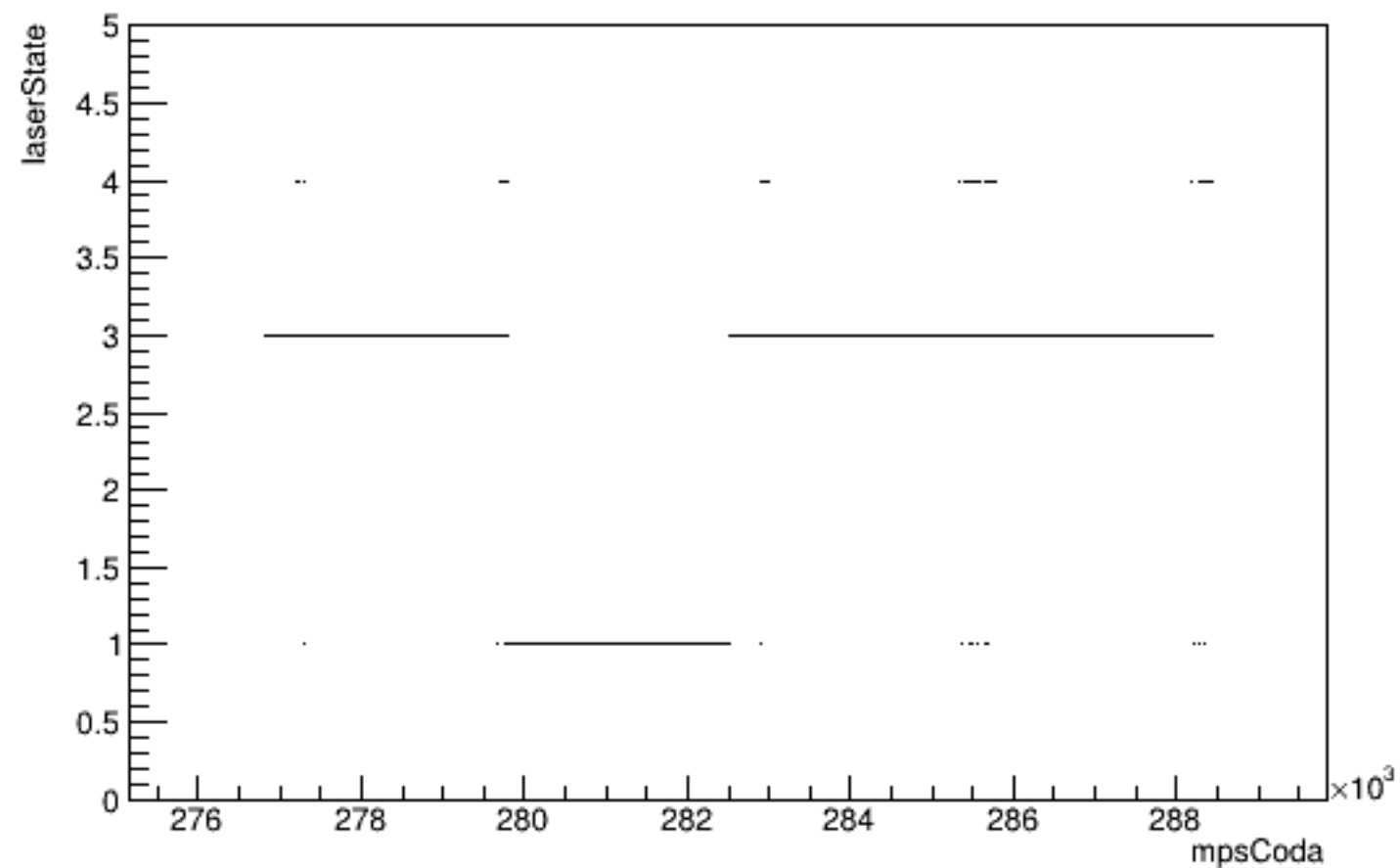
Run 5204 quartetwise, Asyms



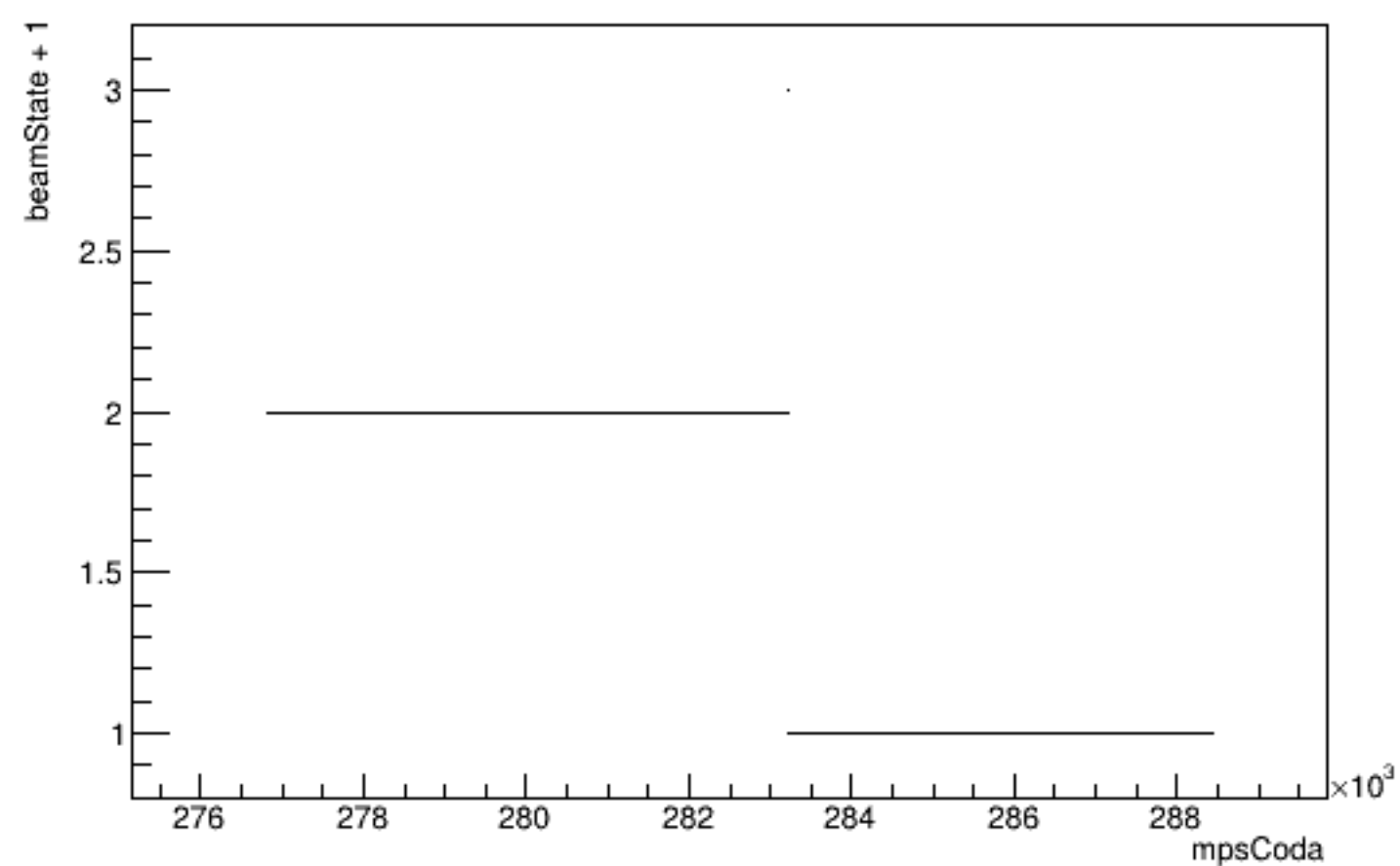
Acc0/NAcc0:mpsCoda (mpsCoda>=276824 && mpsCoda<=288443 && beamState==1)



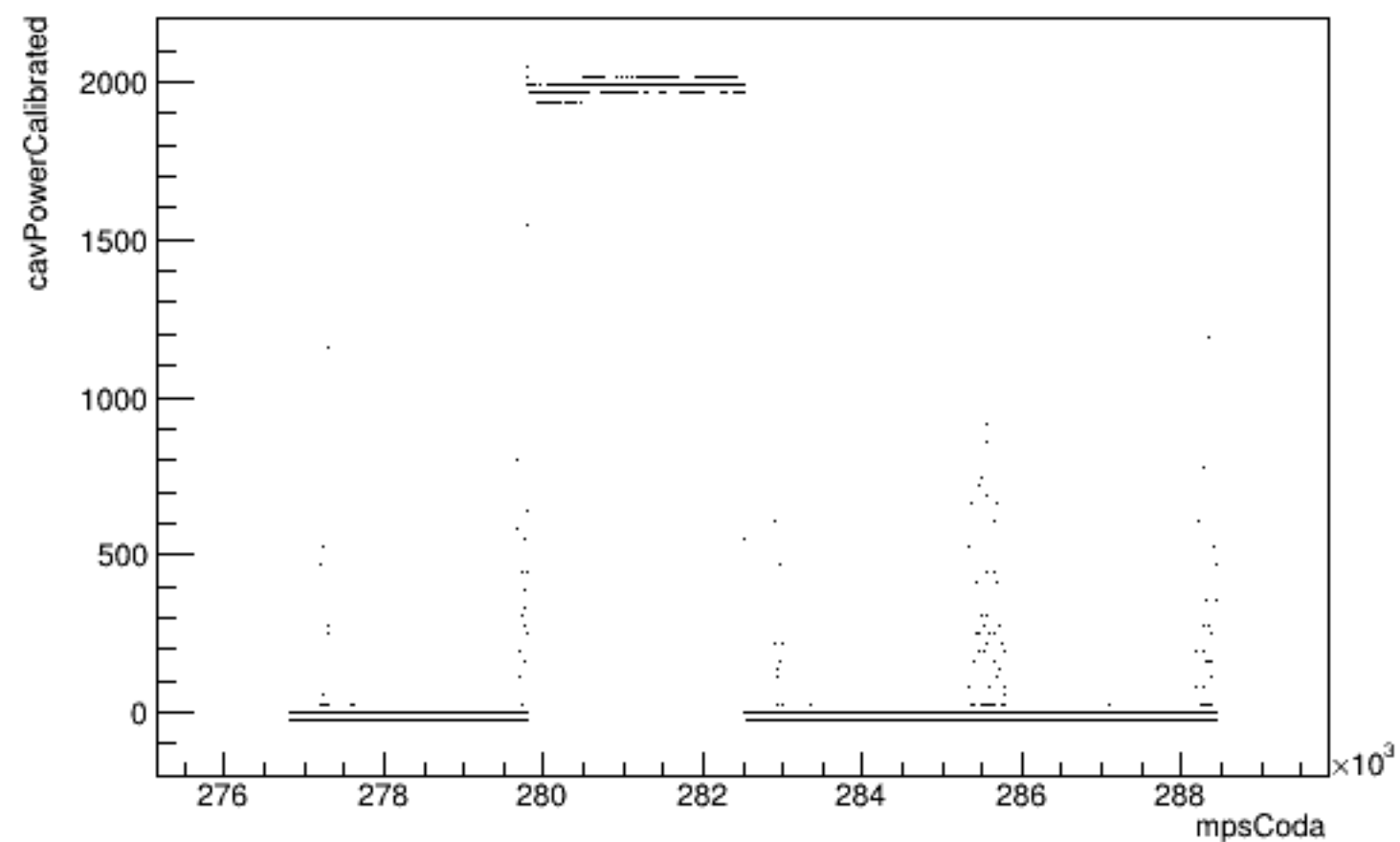
laserState:mpsCoda {mpsCoda>=276824 && mpsCoda<=288443}



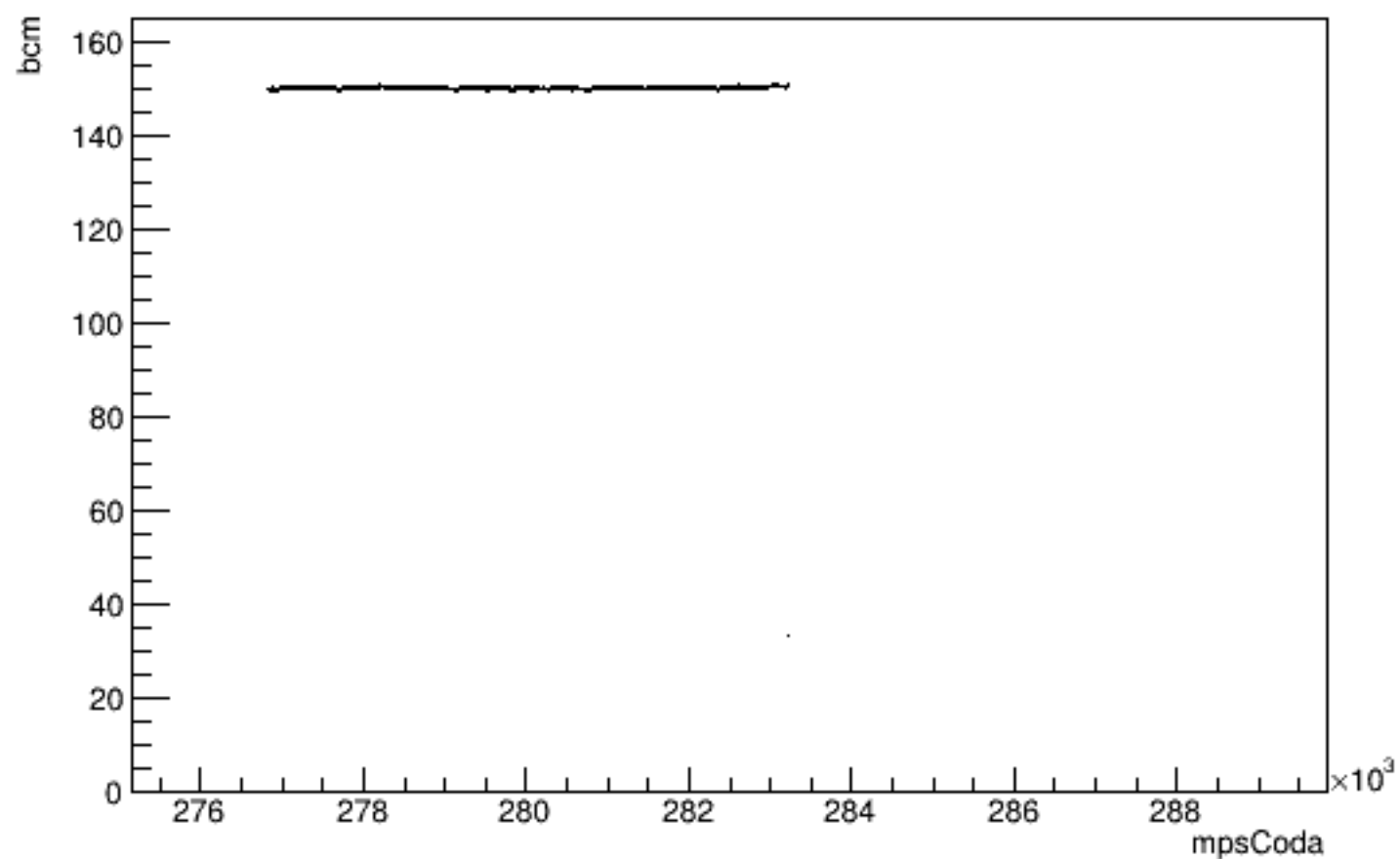
beamState + 1:mpsCoda {mpsCoda>=276824 && mpsCoda<=288443}



cavPowerCalibrated:mpsCoda {mpsCoda>=276824 && mpsCoda<=288443}



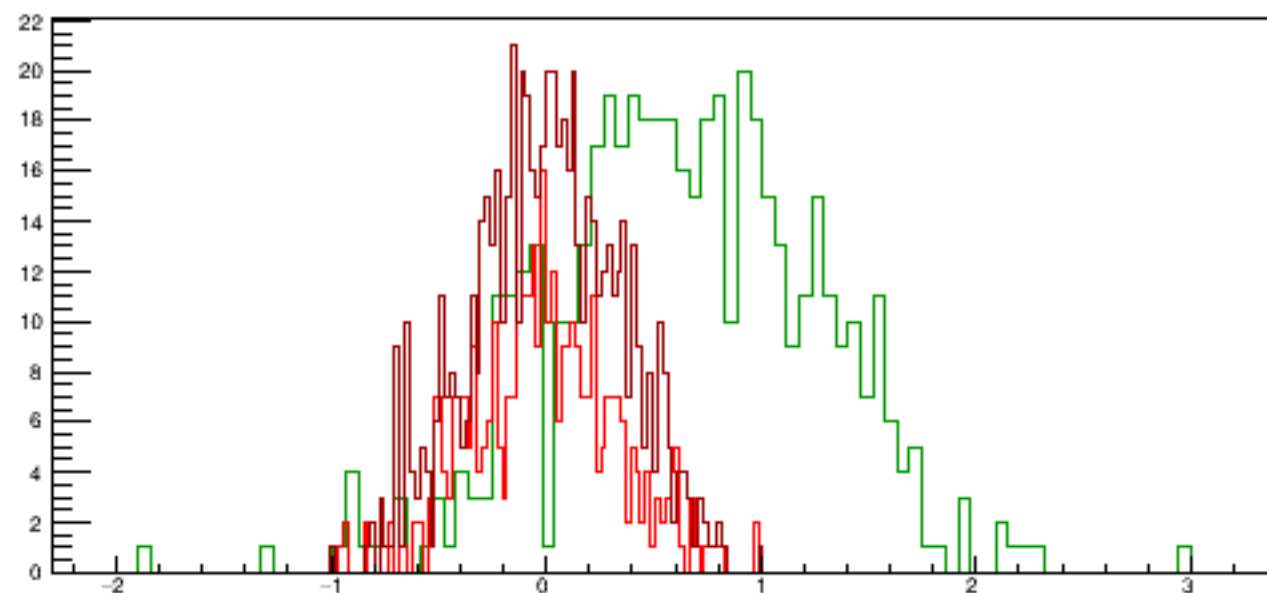
bcm:mpsCoda {mpsCoda>=276824 && mpsCoda<=288443}



Cycle 18, Diffs

Entries: 361	Entries: 488	Entries: 646
Mean: -0.0087 +/- 0.0179	Mean: 0.6456 +/- 0.0281	Mean: 0.0021 +/- 0.0135
Std Dev: 0.3404 +/- 0.0127	Std Dev: 0.6207 +/- 0.0199	Std Dev: 0.3434 +/- 0.0096

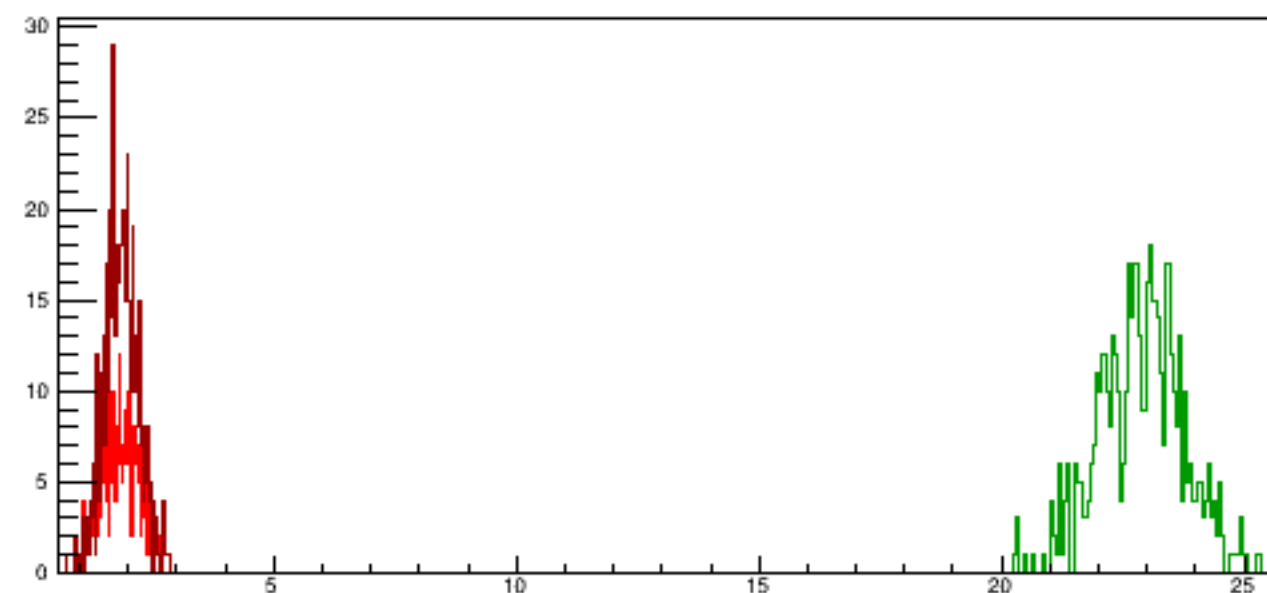
Run 5204 quartetwise, Diffs



Cycle 18, Sums

Entries: 361	Entries: 488	Entries: 646
Mean: 1.8296 +/- 0.0198	Mean: 22.8685 +/- 0.0403	Mean: 1.8533 +/- 0.0134
Std Dev: 0.3768 +/- 0.0140	Std Dev: 0.8913 +/- 0.0285	Std Dev: 0.3399 +/- 0.0095

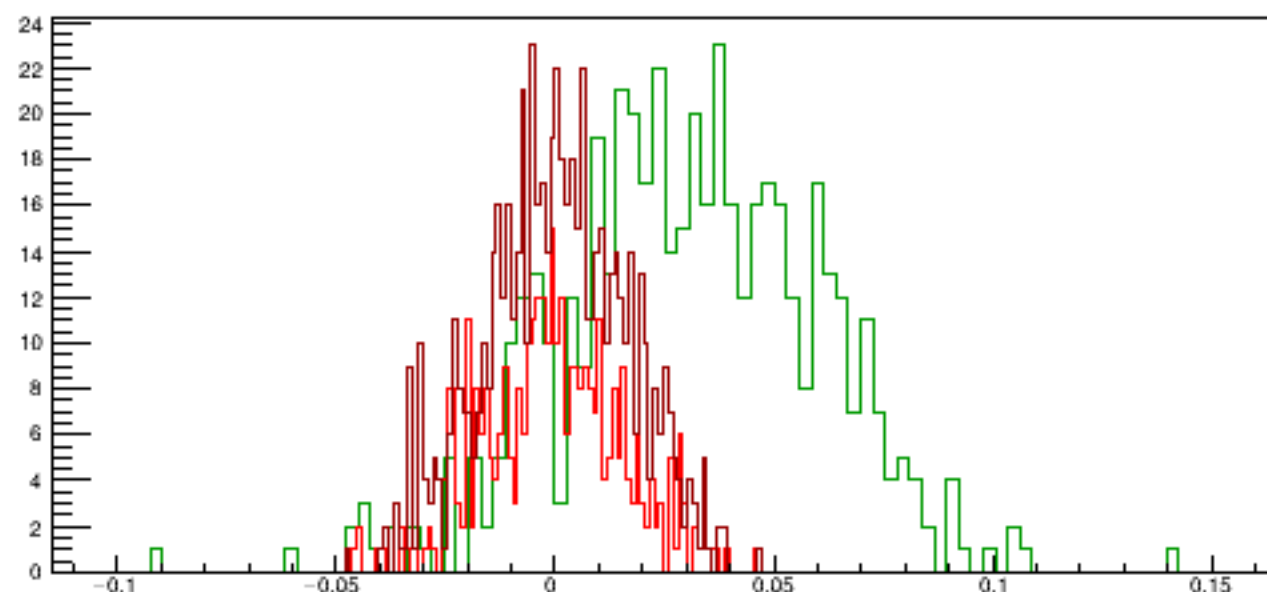
Run 5204 quartetwise, Sums



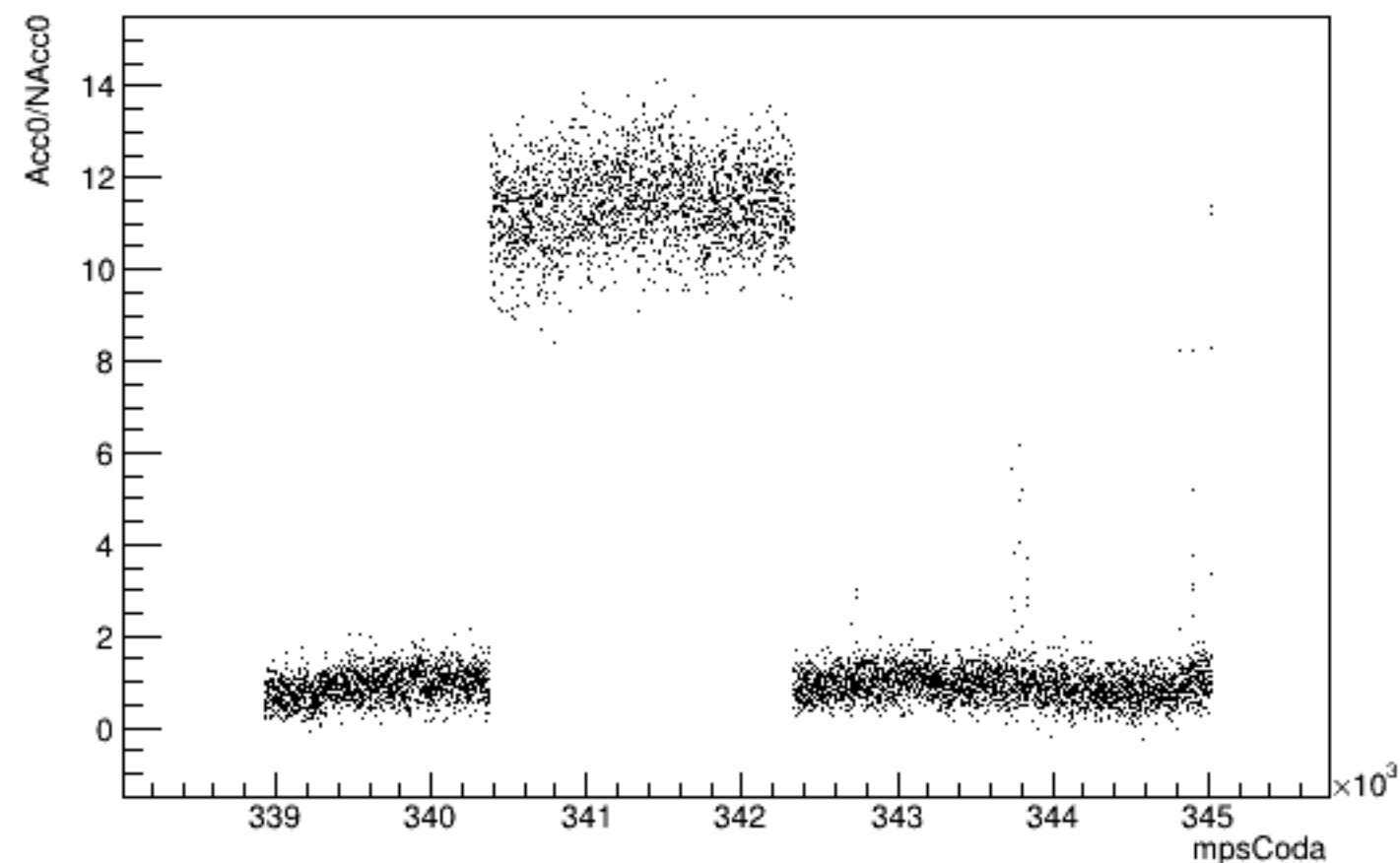
Cycle 18, Asyms

Entries: 361	Entries: 488	Entries: 646
Mean: -0.0004 +/- 0.0009	Mean: 0.0307 +/- 0.0013	Mean: 0.0001 +/- 0.0006
Std Dev: 0.0162 +/- 0.0006	Std Dev: 0.0296 +/- 0.0009	Std Dev: 0.0163 +/- 0.0005

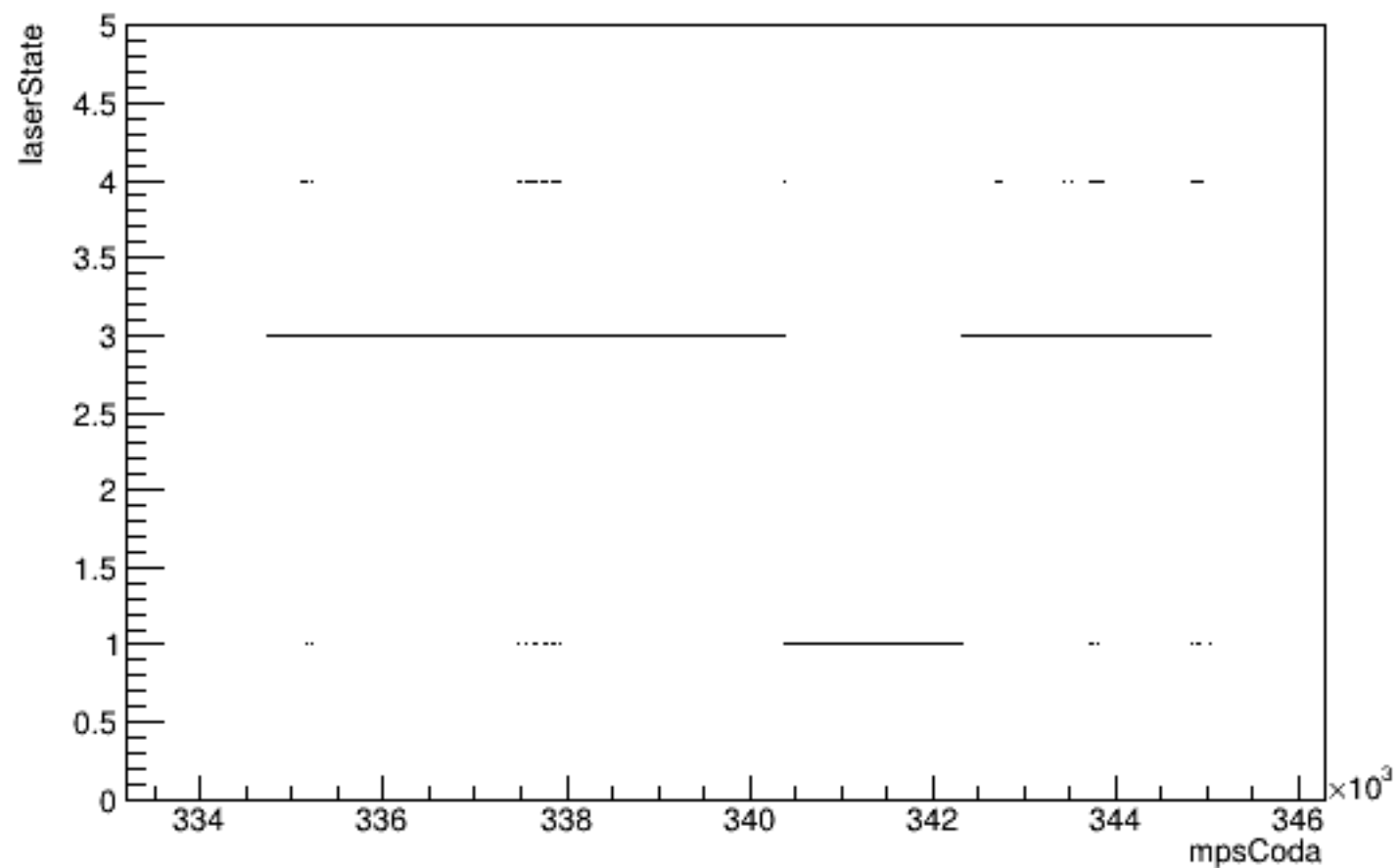
Run 5204 quartetwise, Asyms



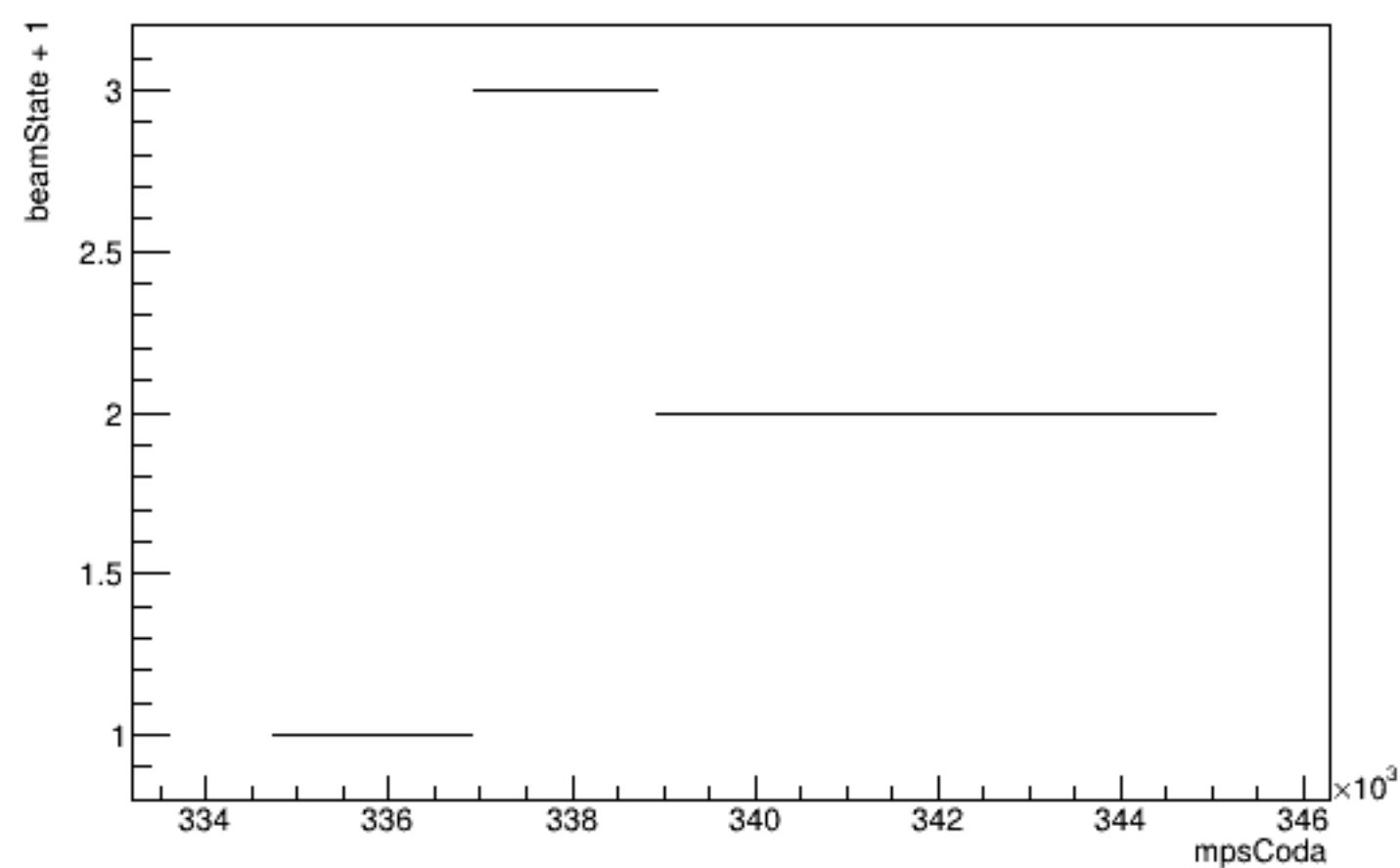
Acc0/NAcc0:mpsCoda (mpsCoda>=334720 && mpsCoda<=345027 && beamState==1)



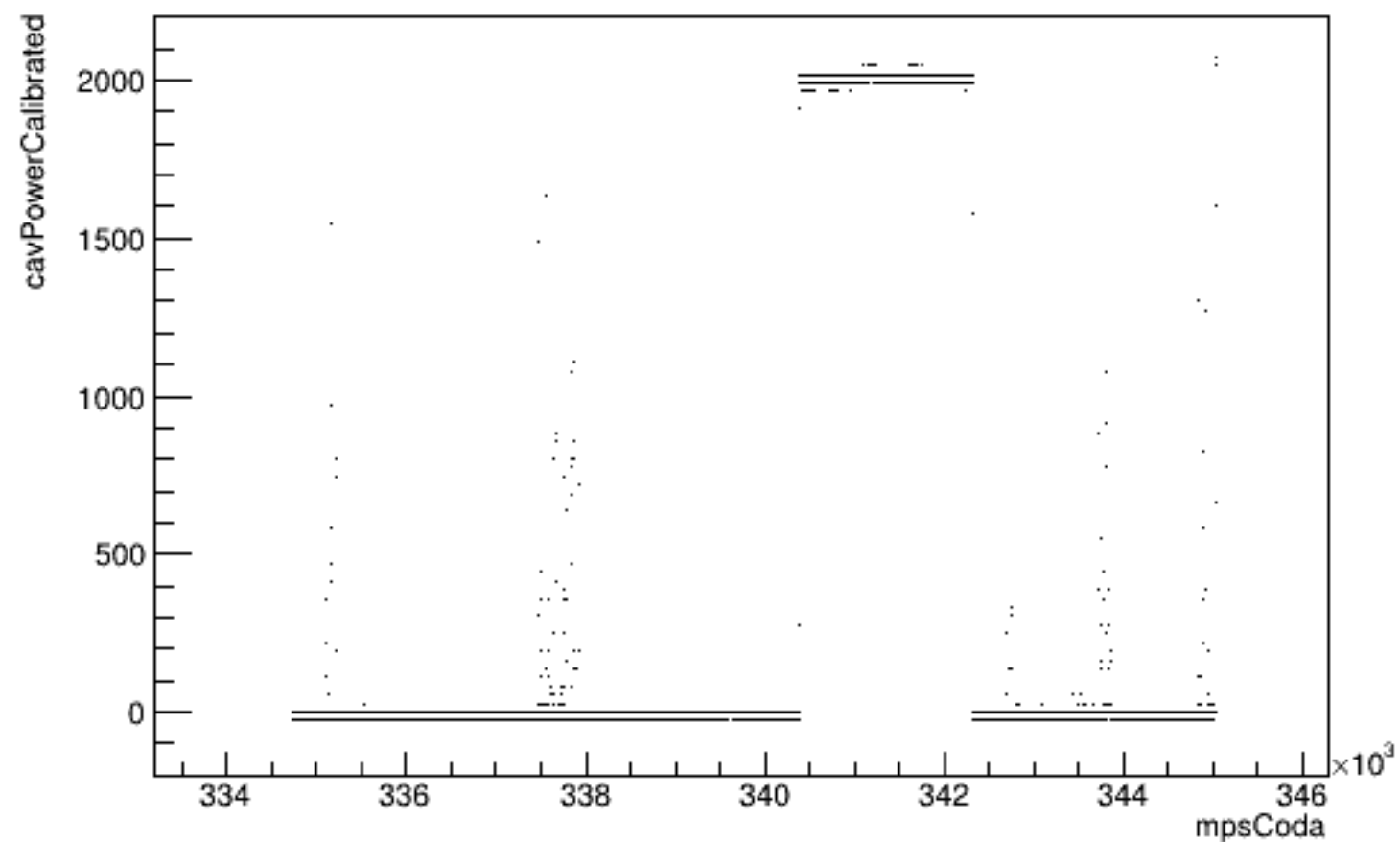
laserState:mpsCoda {mpsCoda>=334720 && mpsCoda<=345027}



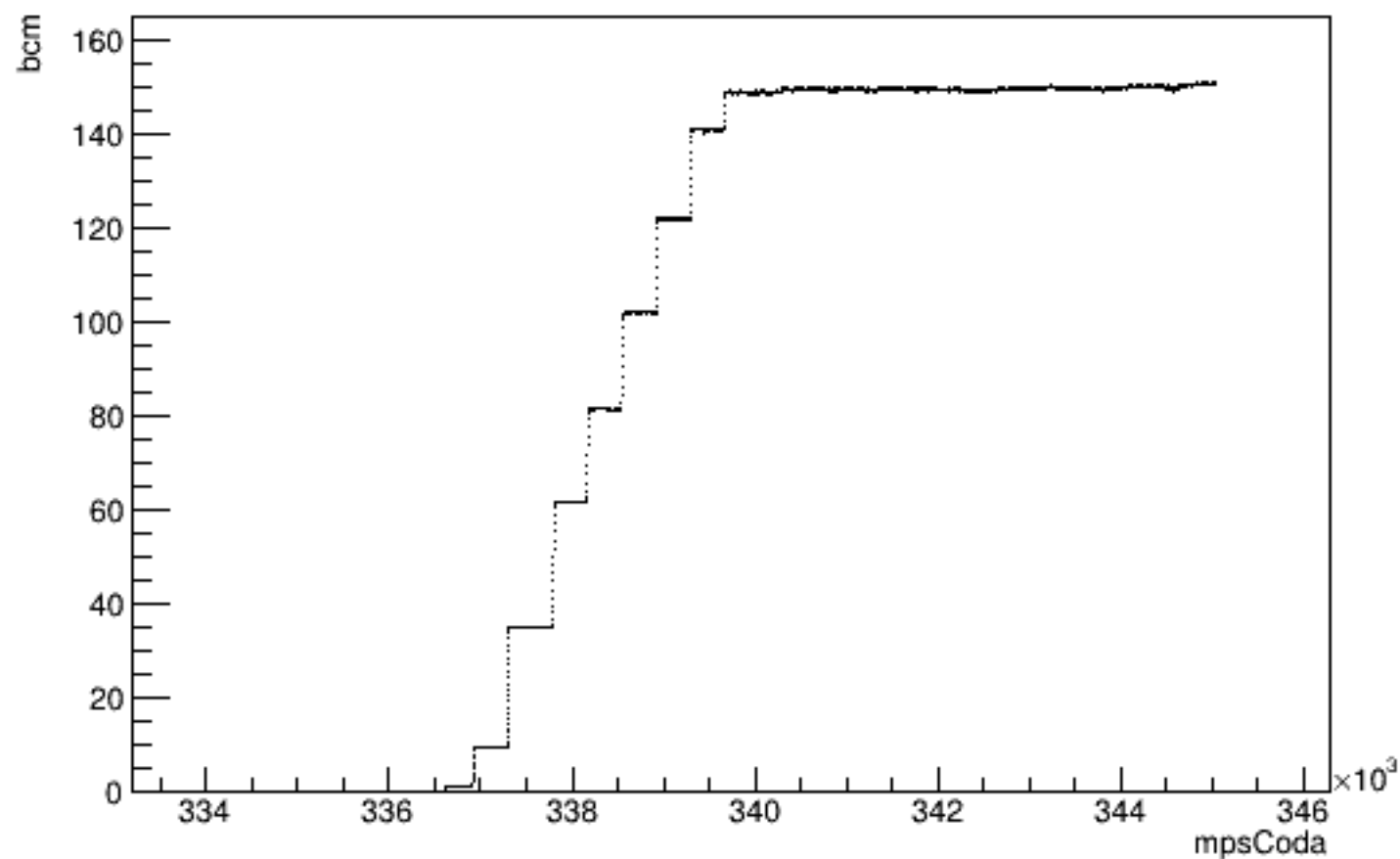
beamState + 1:mpsCoda {mpsCoda>=334720 && mpsCoda<=345027}



cavPowerCalibrated:mpsCoda {mpsCoda>=334720 && mpsCoda<=345027}



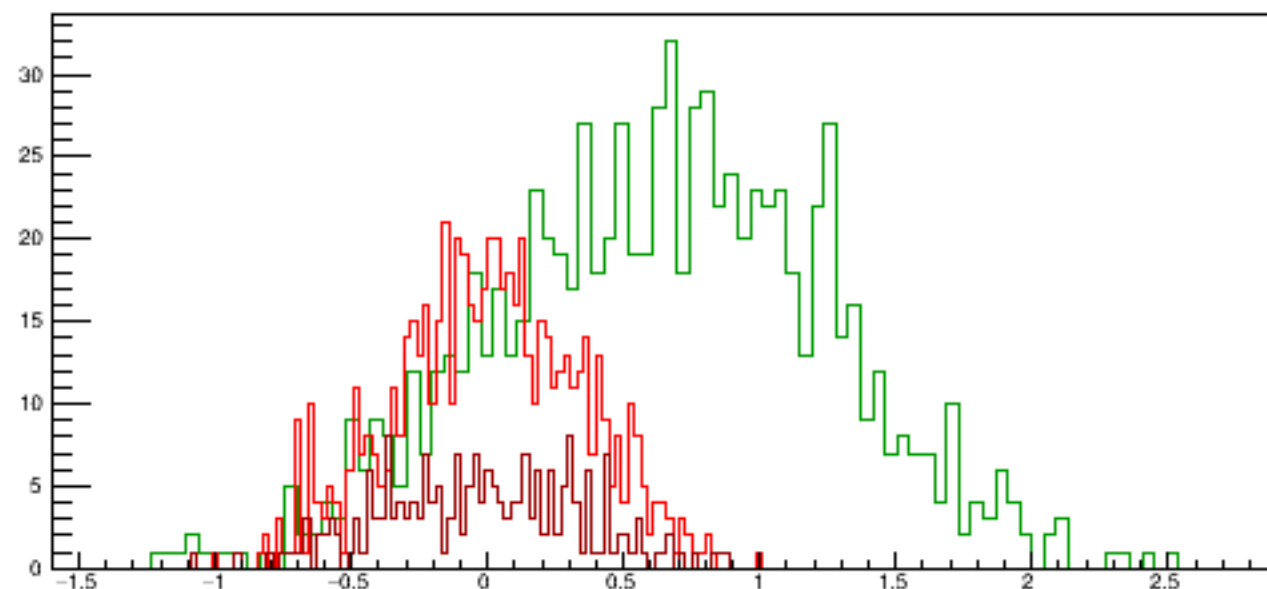
bcm:mpsCoda {mpsCoda>=334720 && mpsCoda<=345027}



Cycle 19, Diffs

Entries: 646	Entries: 877	Entries: 210
Mean: 0.0021 +/- 0.0135	Mean: 0.6343 +/- 0.0211	Mean: -0.0191 +/- 0.0255
Std Dev: 0.3434 +/- 0.0096	Std Dev: 0.6244 +/- 0.0149	Std Dev: 0.3701 +/- 0.0181

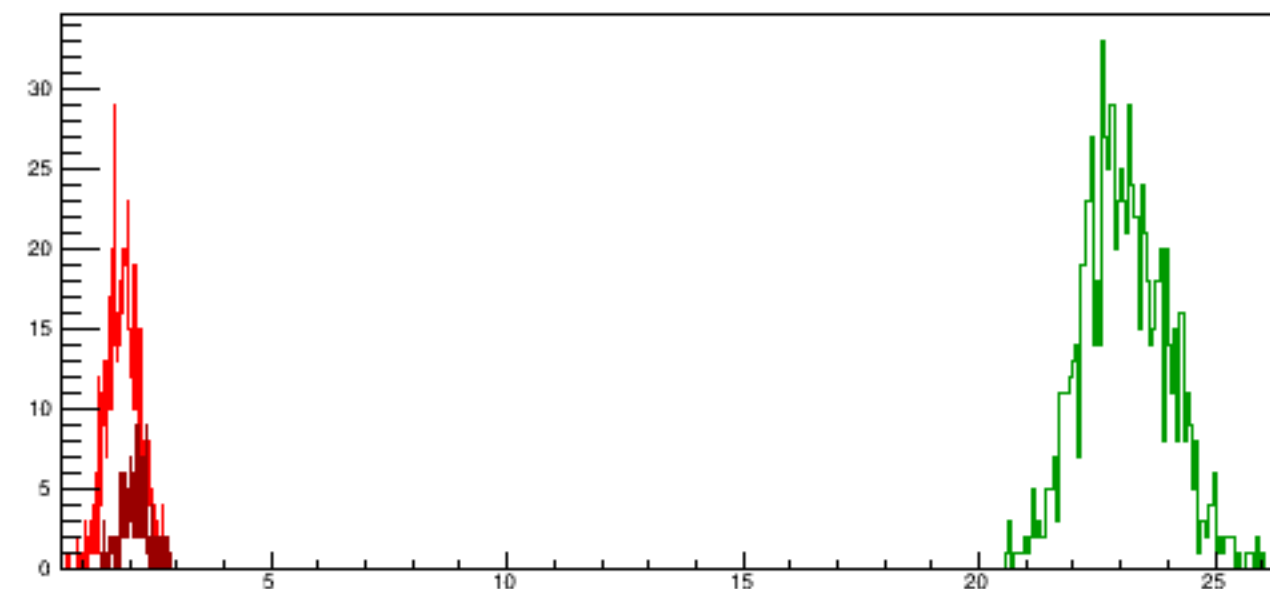
Run 5204 quartetwise, Diffs



Cycle 19, Sums

Entries: 646	Entries: 877	Entries: 210
Mean: 1.8533 +/- 0.0134	Mean: 23.0715 +/- 0.0309	Mean: 2.1330 +/- 0.0208
Std Dev: 0.3399 +/- 0.0095	Std Dev: 0.9157 +/- 0.0219	Std Dev: 0.3013 +/- 0.0147

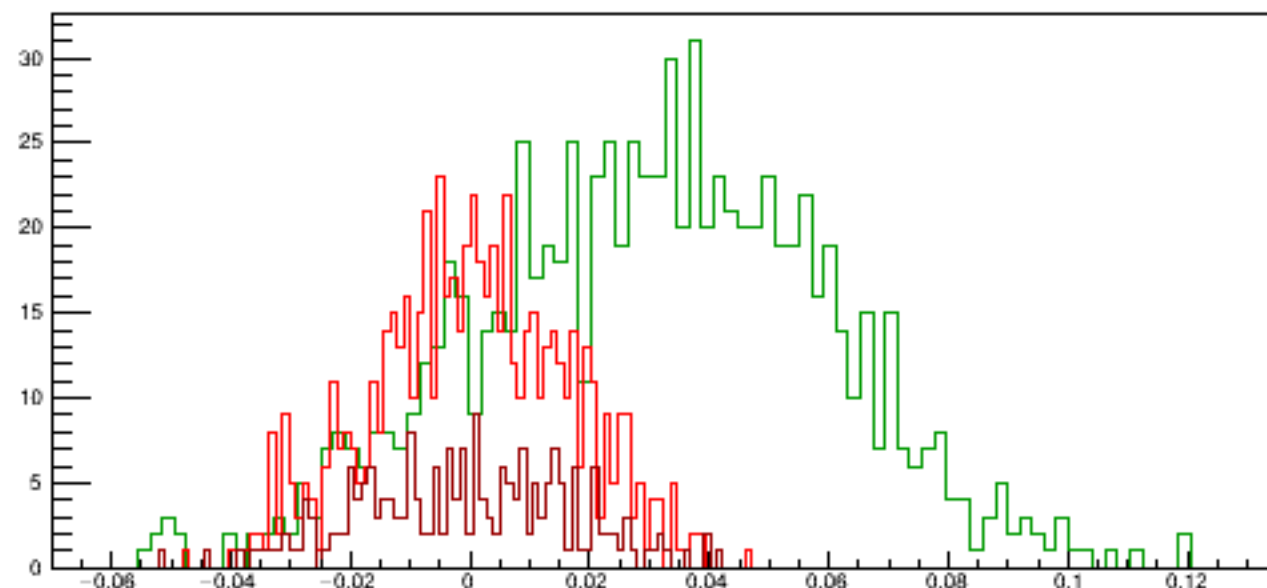
Run 5204 quartetwise, Sums



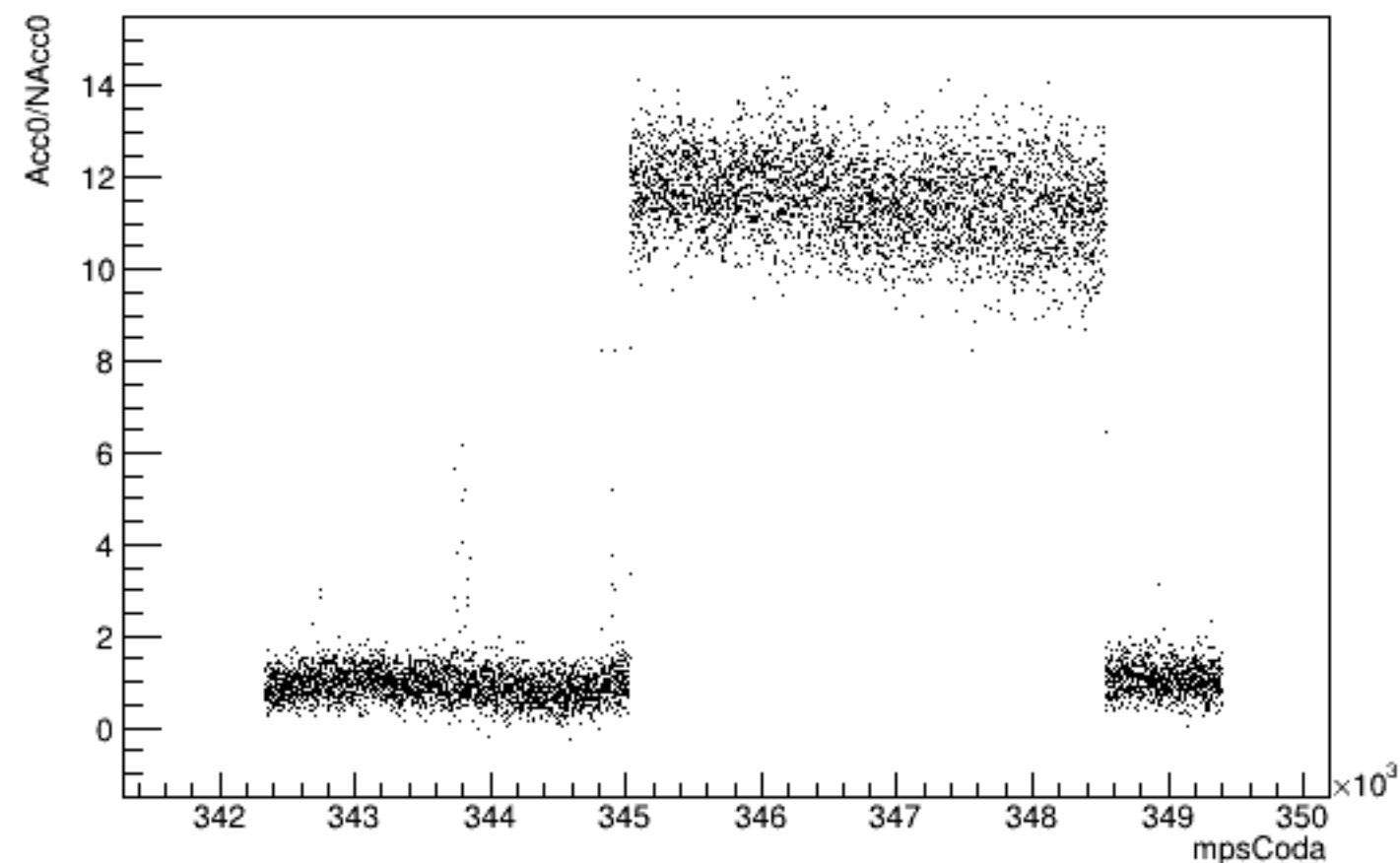
Cycle 19, Asyms

Entries: 646	Entries: 877	Entries: 210
Mean: 0.0001 +/- 0.0006	Mean: 0.0301 +/- 0.0010	Mean: -0.0009 +/- 0.0012
Std Dev: 0.0163 +/- 0.0005	Std Dev: 0.0296 +/- 0.0007	Std Dev: 0.0176 +/- 0.0009

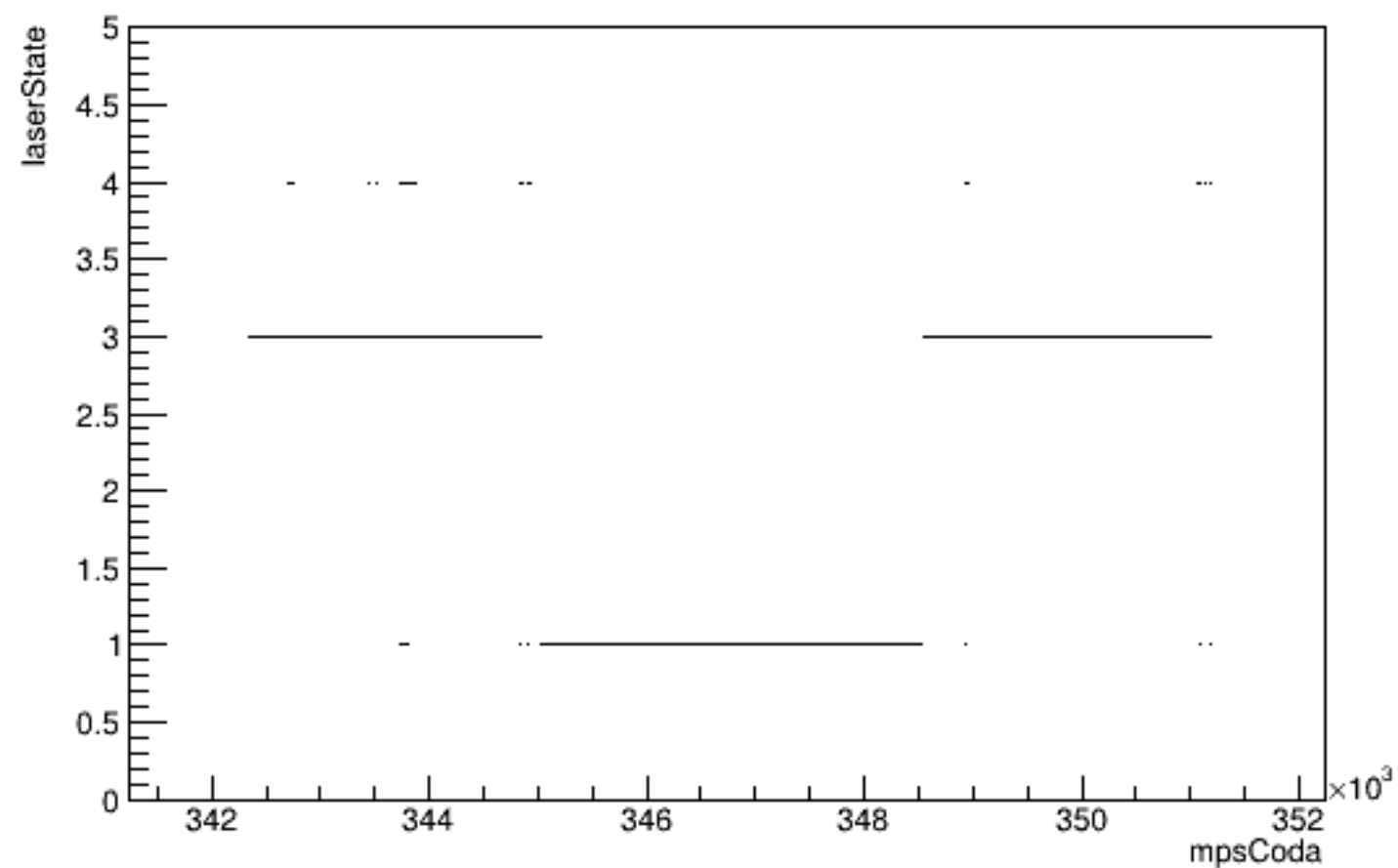
Run 5204 quartetwise, Asyms



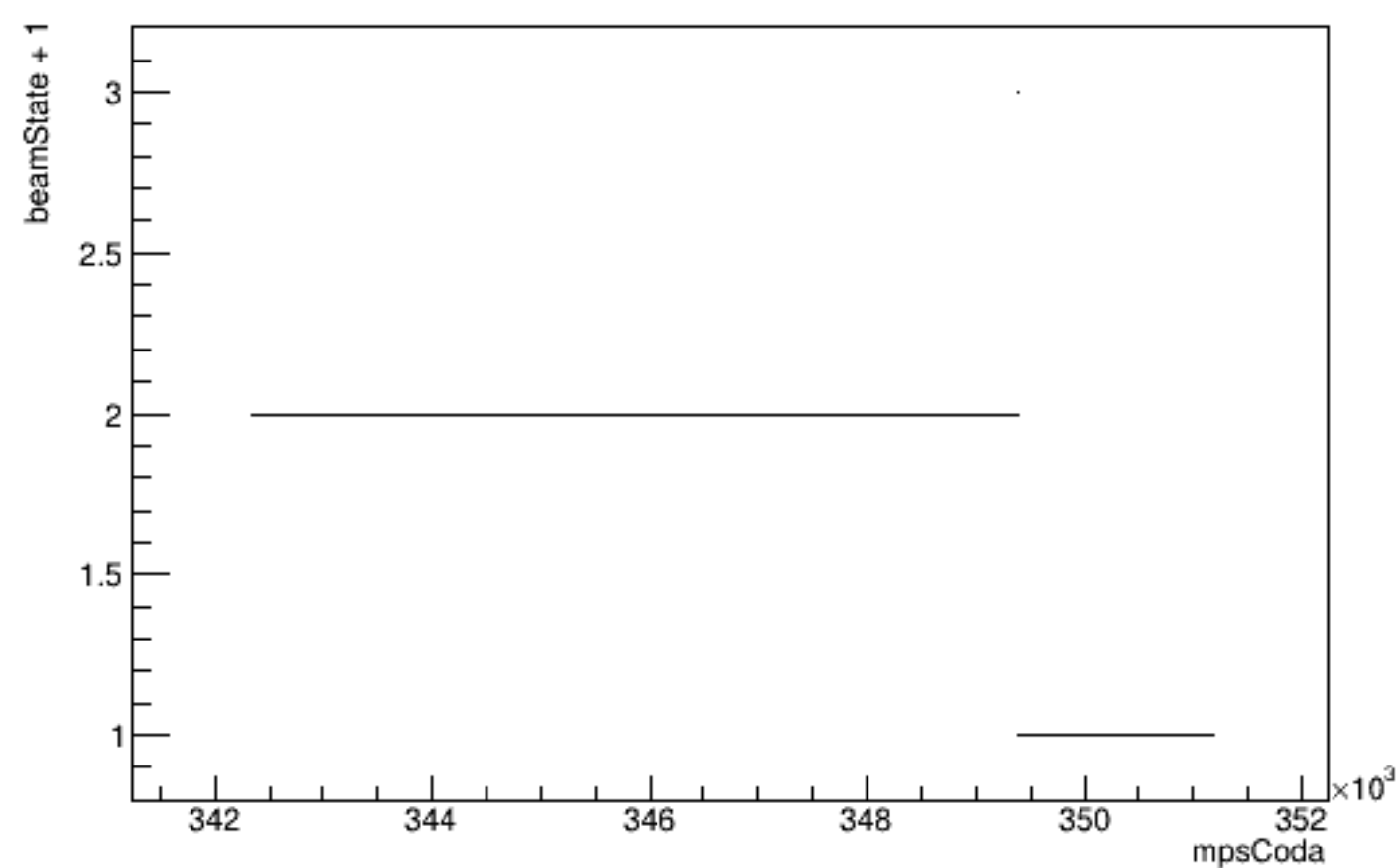
Acc0/NAcc0:mpsCoda (mpsCoda>=342336 && mpsCoda<=351179 && beamState==1)



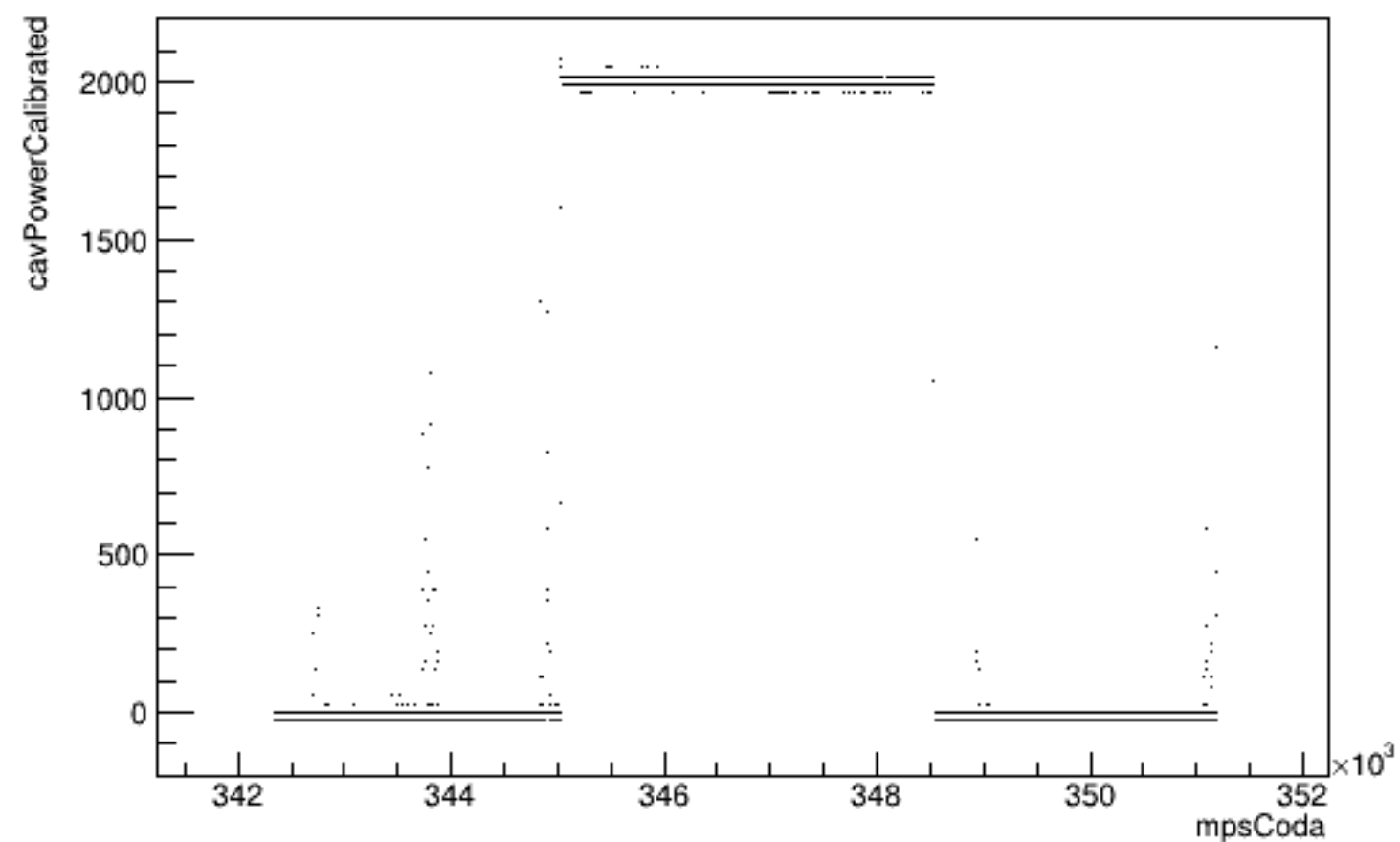
laserState:mpsCoda {mpsCoda>=342336 && mpsCoda<=351179}



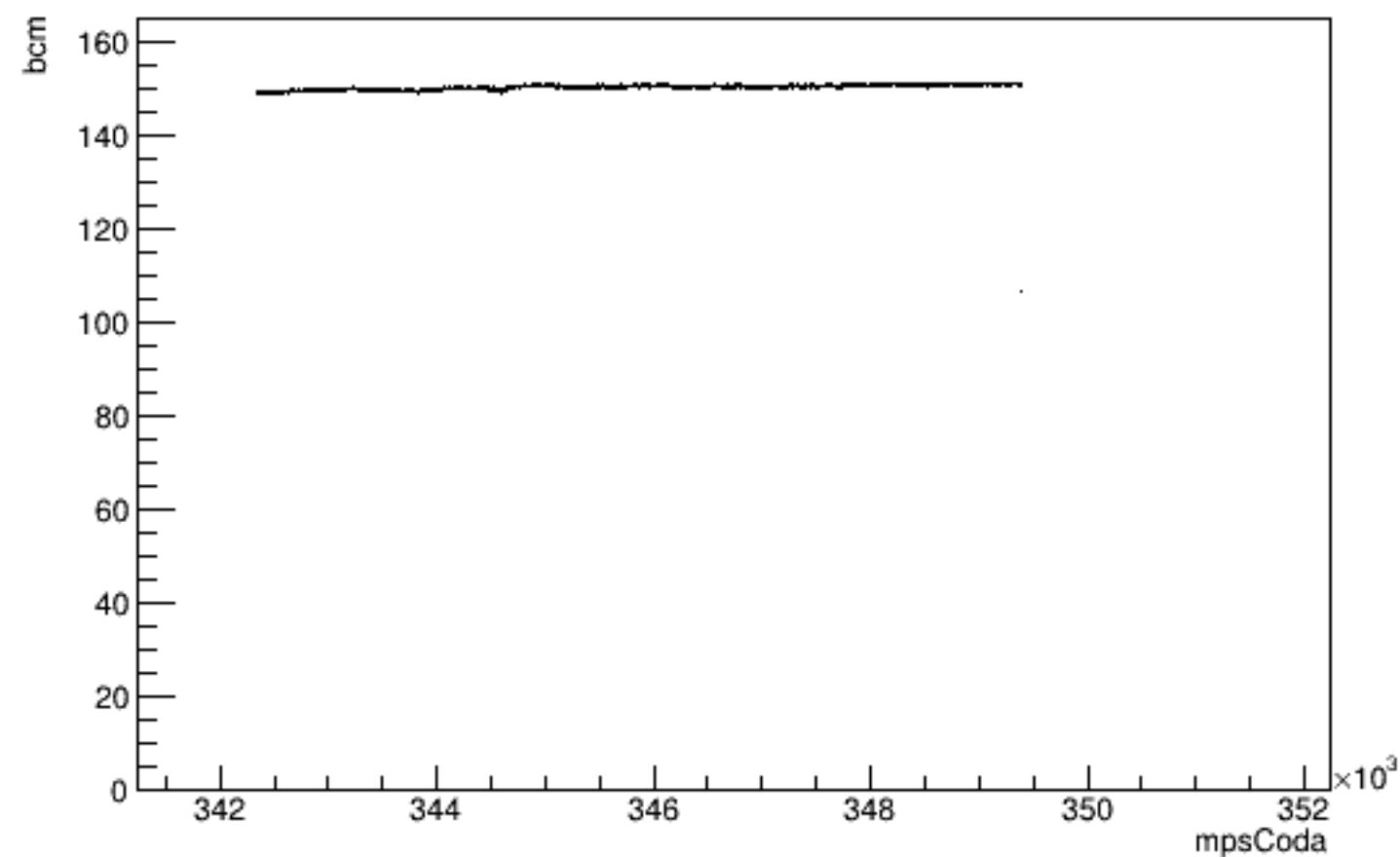
beamState + 1:mpsCoda {mpsCoda>=342336 && mpsCoda<=351179}



cavPowerCalibrated:mpsCoda {mpsCoda>=342336 && mpsCoda<=351179}



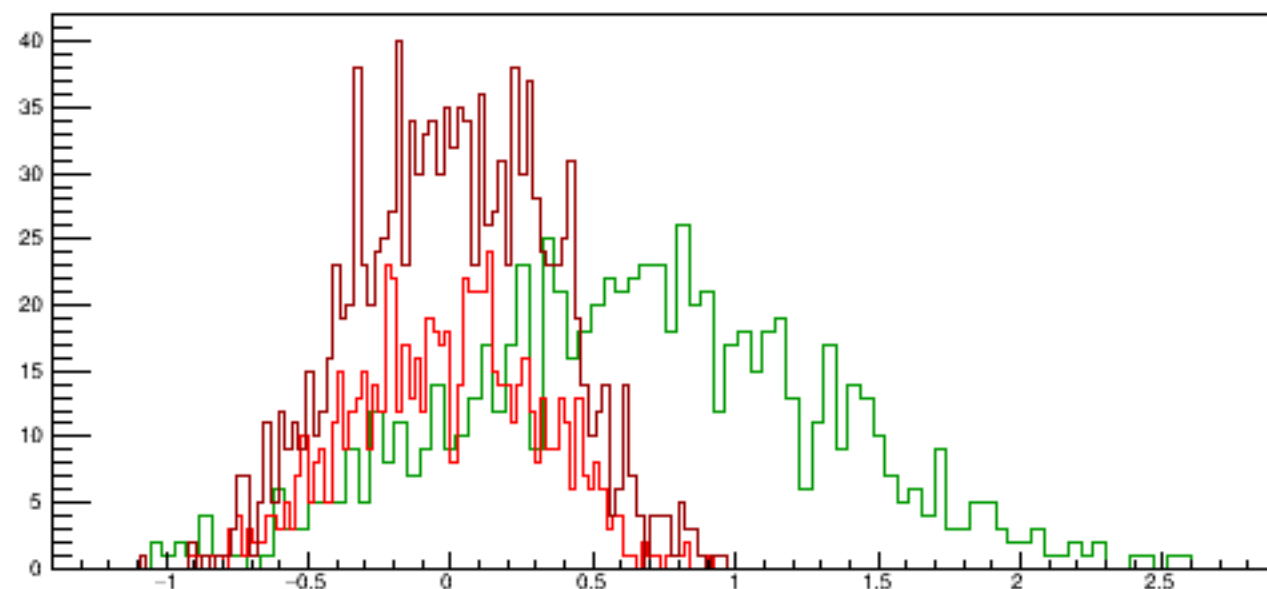
bcm:mpsCoda {mpsCoda>=342336 && mpsCoda<=351179}



Cycle 20, Diffs

Entries: 740	Entries: 782	Entries: 1274
Mean: -0.0199 +/- 0.0121	Mean: 0.6649 +/- 0.0230	Mean: 0.0122 +/- 0.0096
Std Dev: 0.3285 +/- 0.0085	Std Dev: 0.6423 +/- 0.0162	Std Dev: 0.3427 +/- 0.0068

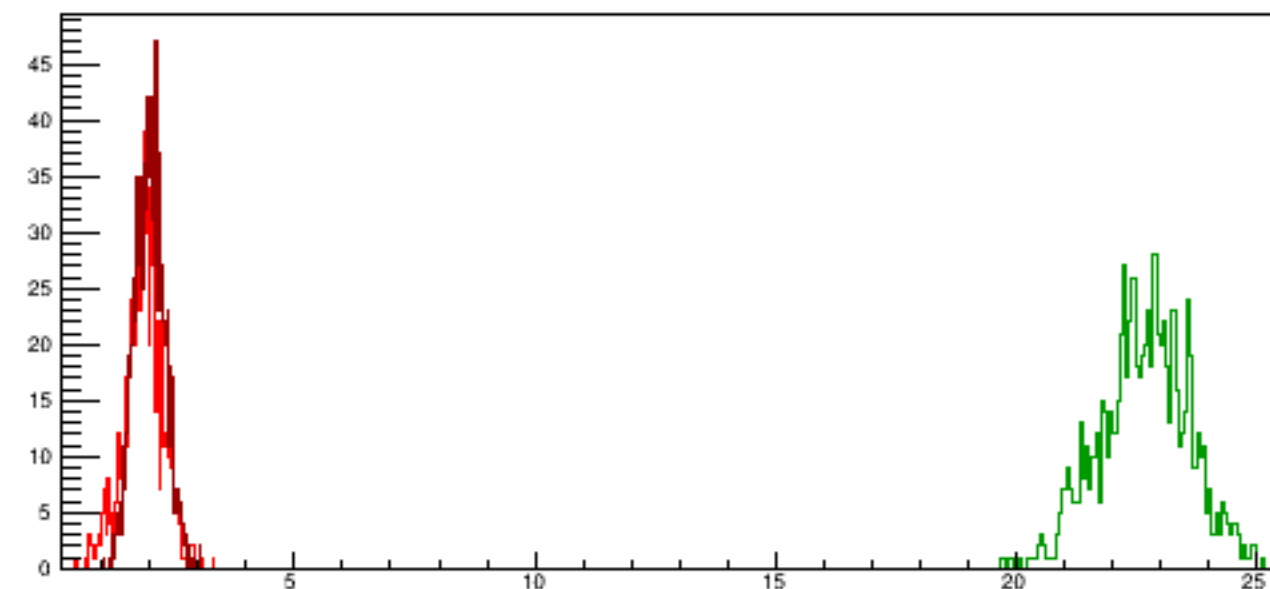
Run 5204 quartetwise, Diffs



Cycle 20, Sums

Entries: 740	Entries: 782	Entries: 1274
Mean: 1.8540 +/- 0.0149	Mean: 22.6437 +/- 0.0335	Mean: 1.9888 +/- 0.0086
Std Dev: 0.4051 +/- 0.0105	Std Dev: 0.9364 +/- 0.0237	Std Dev: 0.3064 +/- 0.0061

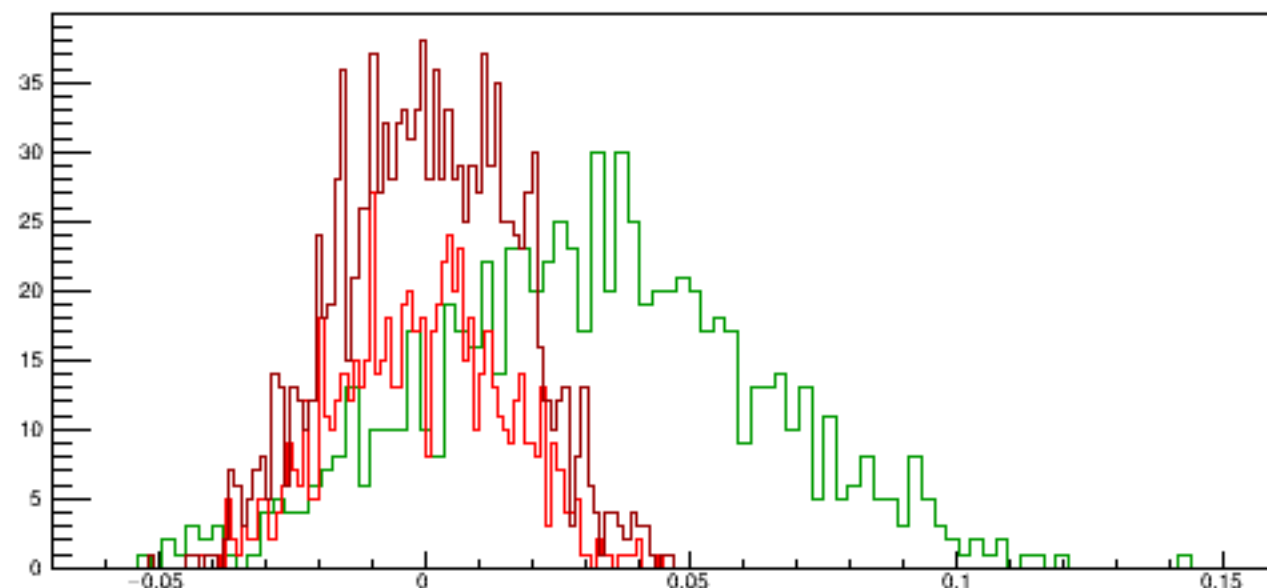
Run 5204 quartetwise, Sums



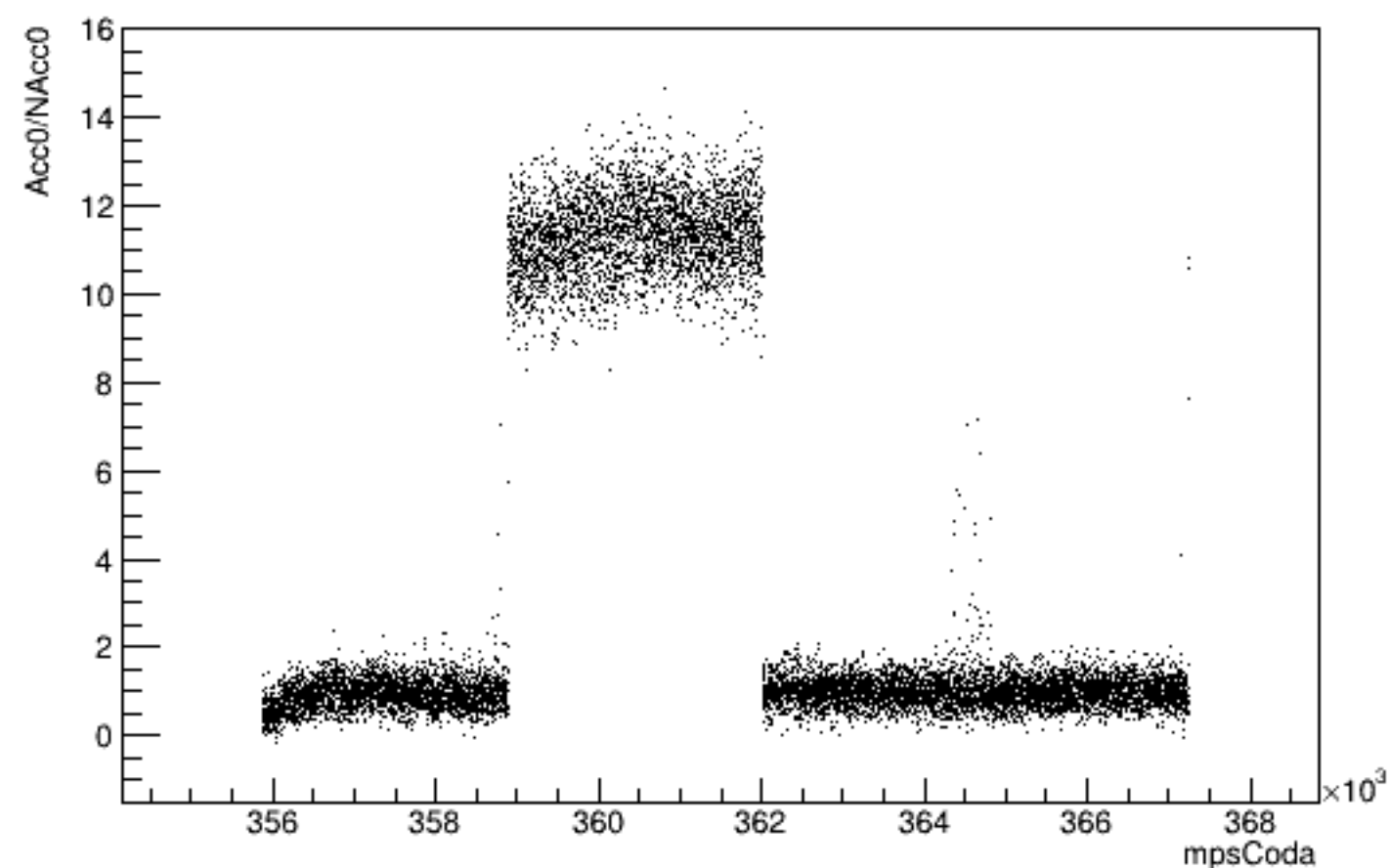
Cycle 20, Asyms

Entries: 740	Entries: 782	Entries: 1274
Mean: -0.0010 +/- 0.0006	Mean: 0.0321 +/- 0.0011	Mean: 0.0006 +/- 0.0005
Std Dev: 0.0159 +/- 0.0004	Std Dev: 0.0311 +/- 0.0008	Std Dev: 0.0165 +/- 0.0003

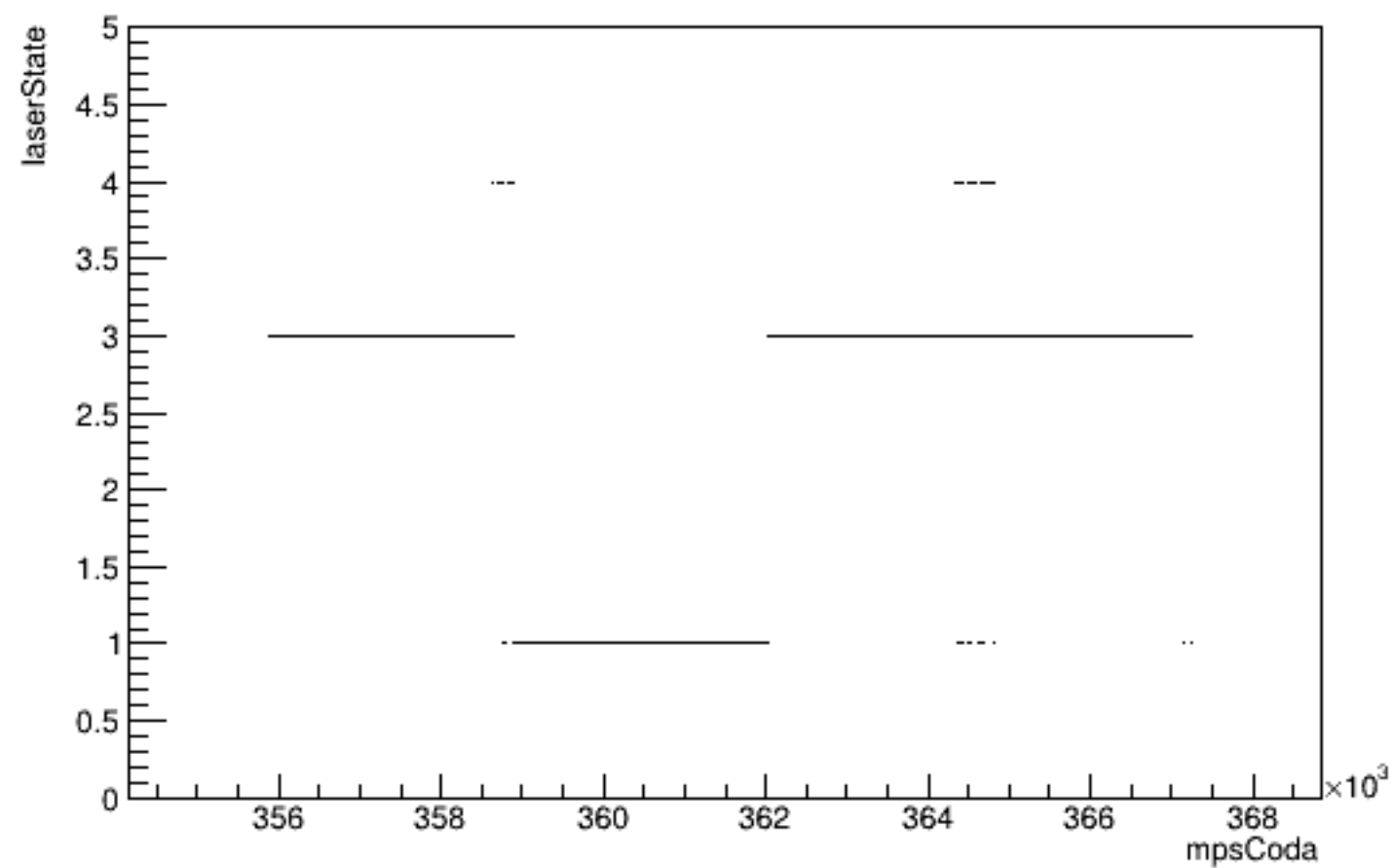
Run 5204 quartetwise, Asyms



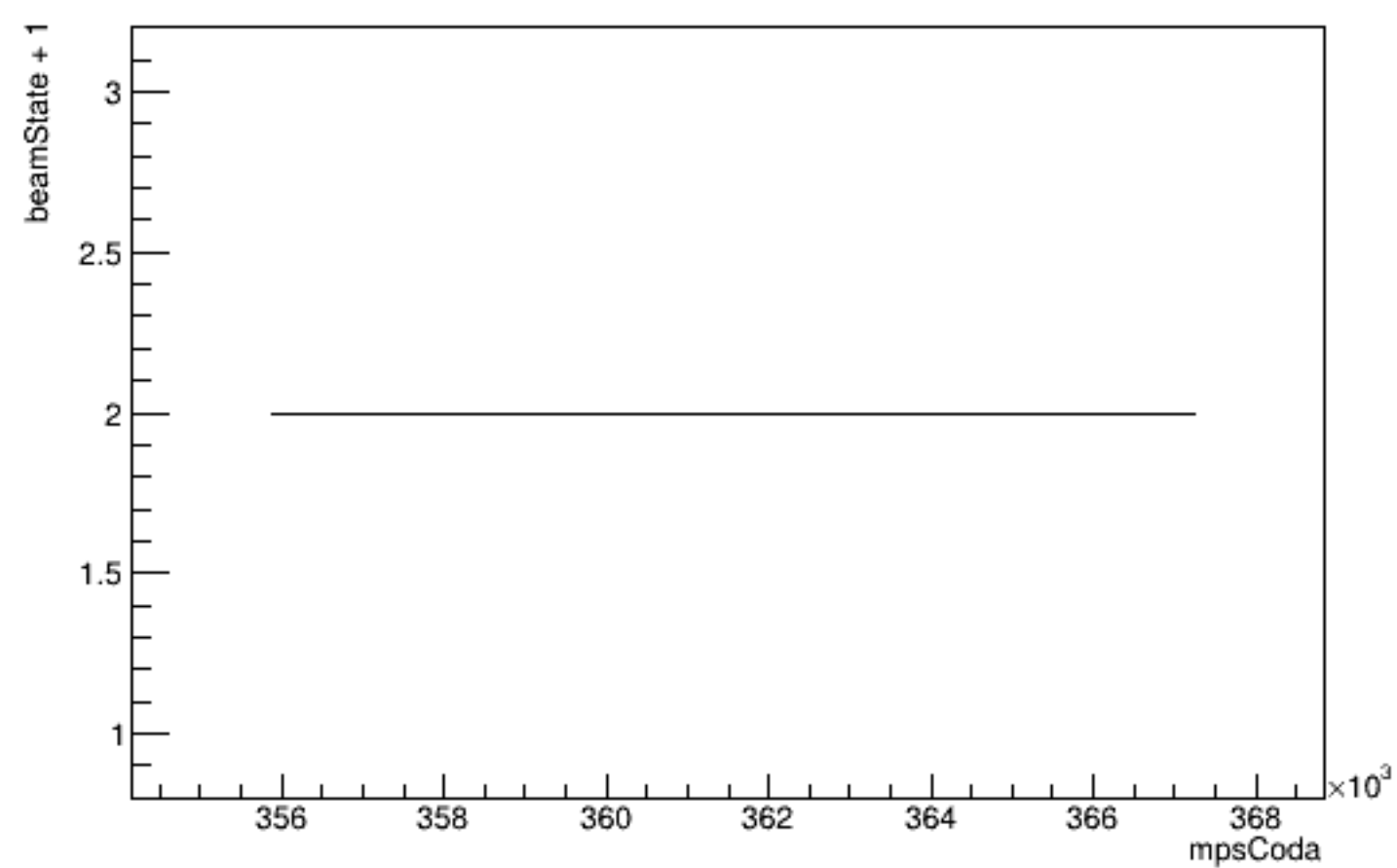
Acc0/NAcc0:mpsCoda (mpsCoda>=355876 && mpsCoda<=367239 && beamState==1)



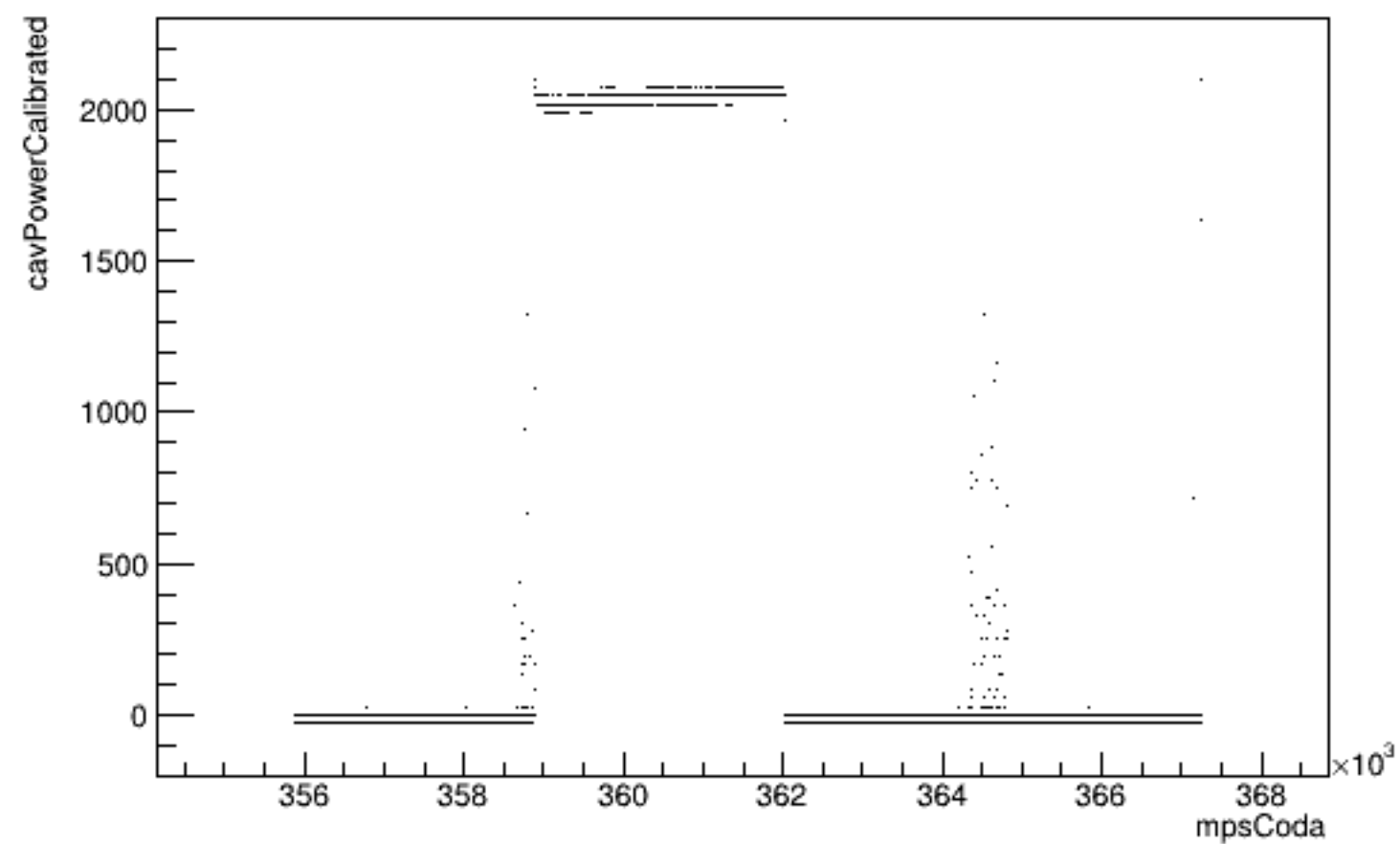
laserState:mpsCoda {mpsCoda>=355876 && mpsCoda<=367239}



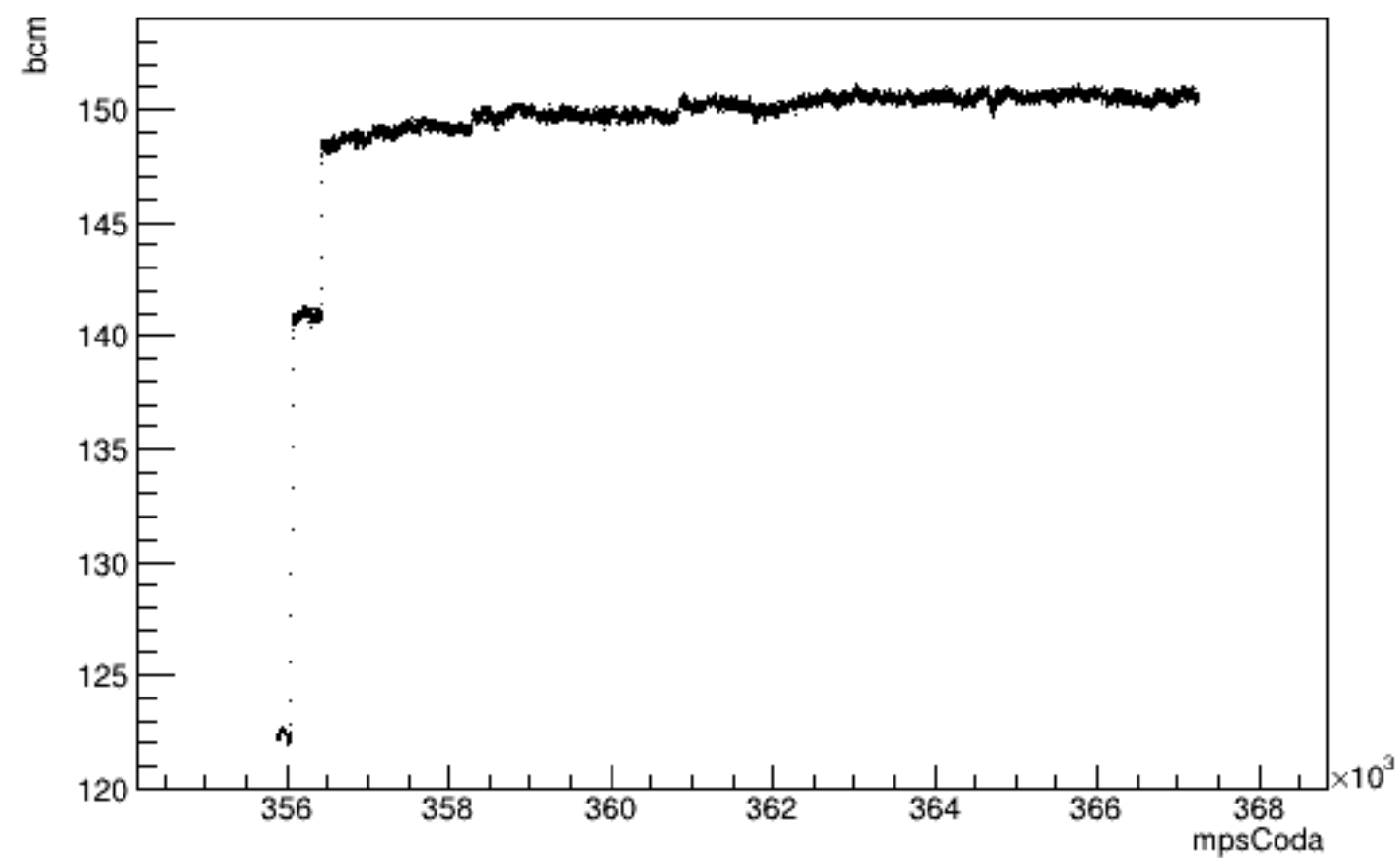
beamState + 1:mpsCoda {mpsCoda>=355876 && mpsCoda<=367239}



cavPowerCalibrated:mpsCoda {mpsCoda>=355876 && mpsCoda<=367239}



bcm:mpsCoda {mpsCoda>=355876 && mpsCoda<=367239}



Cycle 21, Diffs

Entries: 1274

Mean: 0.0122 +/- 0.0096

Std Dev: 0.3427 +/- 0.0068

Entries: 483

Mean: 0.5609 +/- 0.0315

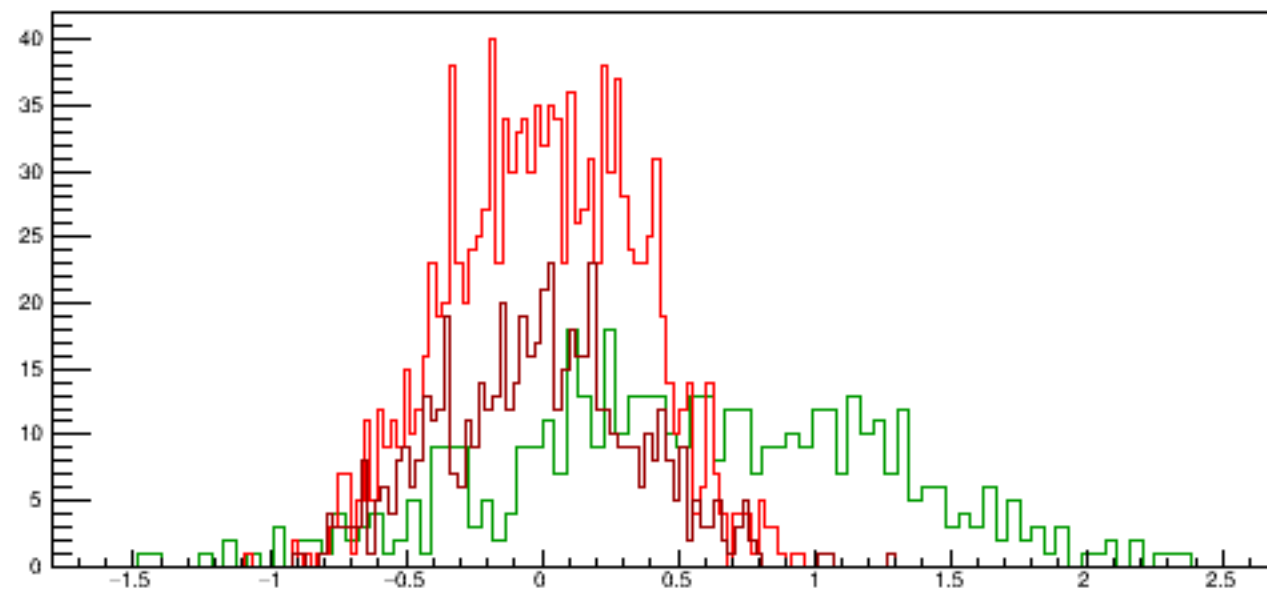
Std Dev: 0.6927 +/- 0.0223

Entries: 597

Mean: -0.0147 +/- 0.0146

Std Dev: 0.3572 +/- 0.0103

Run 5204 quartetwise, Diffs



Cycle 21, Sums

Entries: 1274

Mean: 1.9888 +/- 0.0086

Std Dev: 0.3064 +/- 0.0061

Entries: 483

Mean: 21.8691 +/- 0.0467

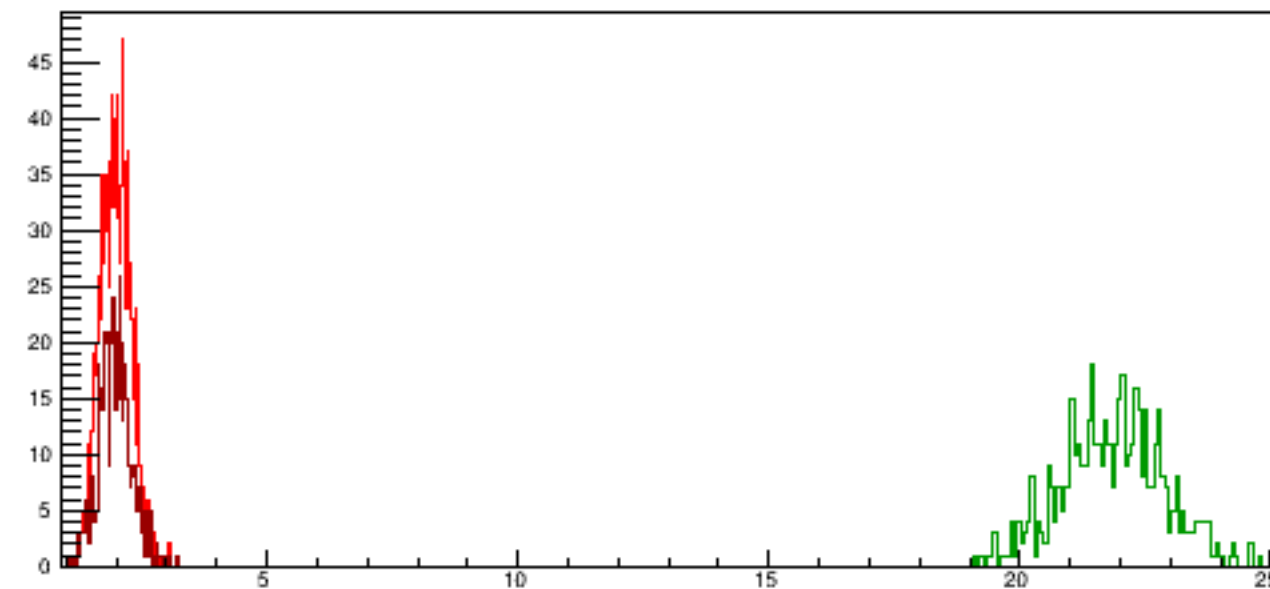
Std Dev: 1.0257 +/- 0.0330

Entries: 597

Mean: 1.9936 +/- 0.0132

Std Dev: 0.3220 +/- 0.0093

Run 5204 quartetwise, Sums



Cycle 21, Asyms

Entries: 1274

Mean: 0.0006 +/- 0.0005

Std Dev: 0.0172 +/- 0.0003

Entries: 483

Mean: 0.0282 +/- 0.0016

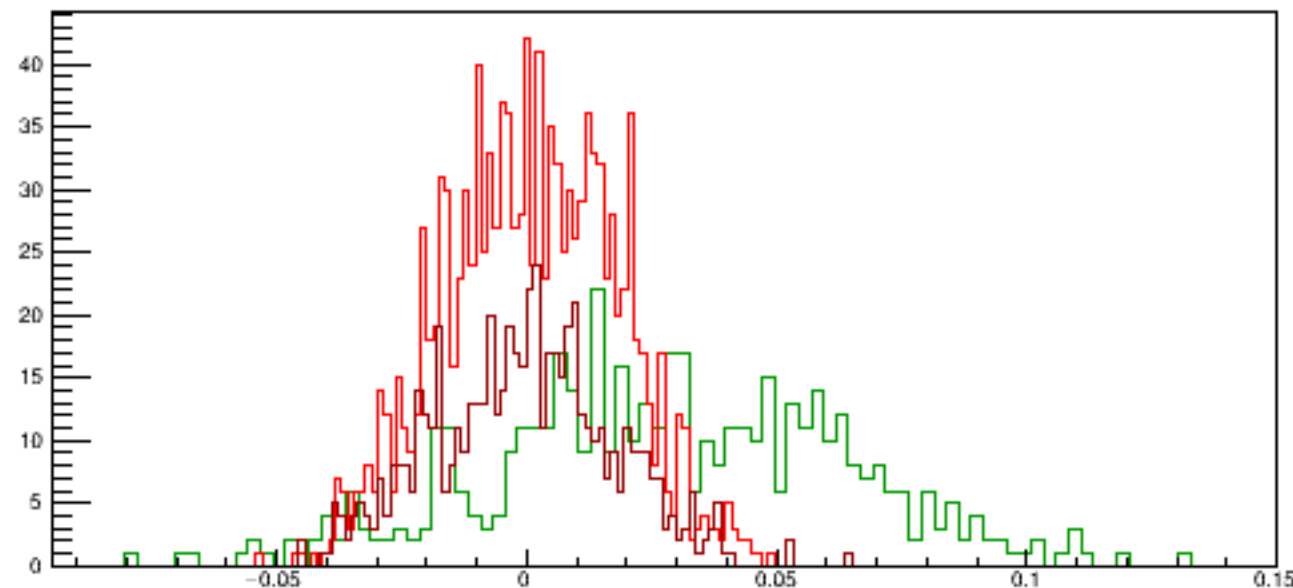
Std Dev: 0.0350 +/- 0.0011

Entries: 597

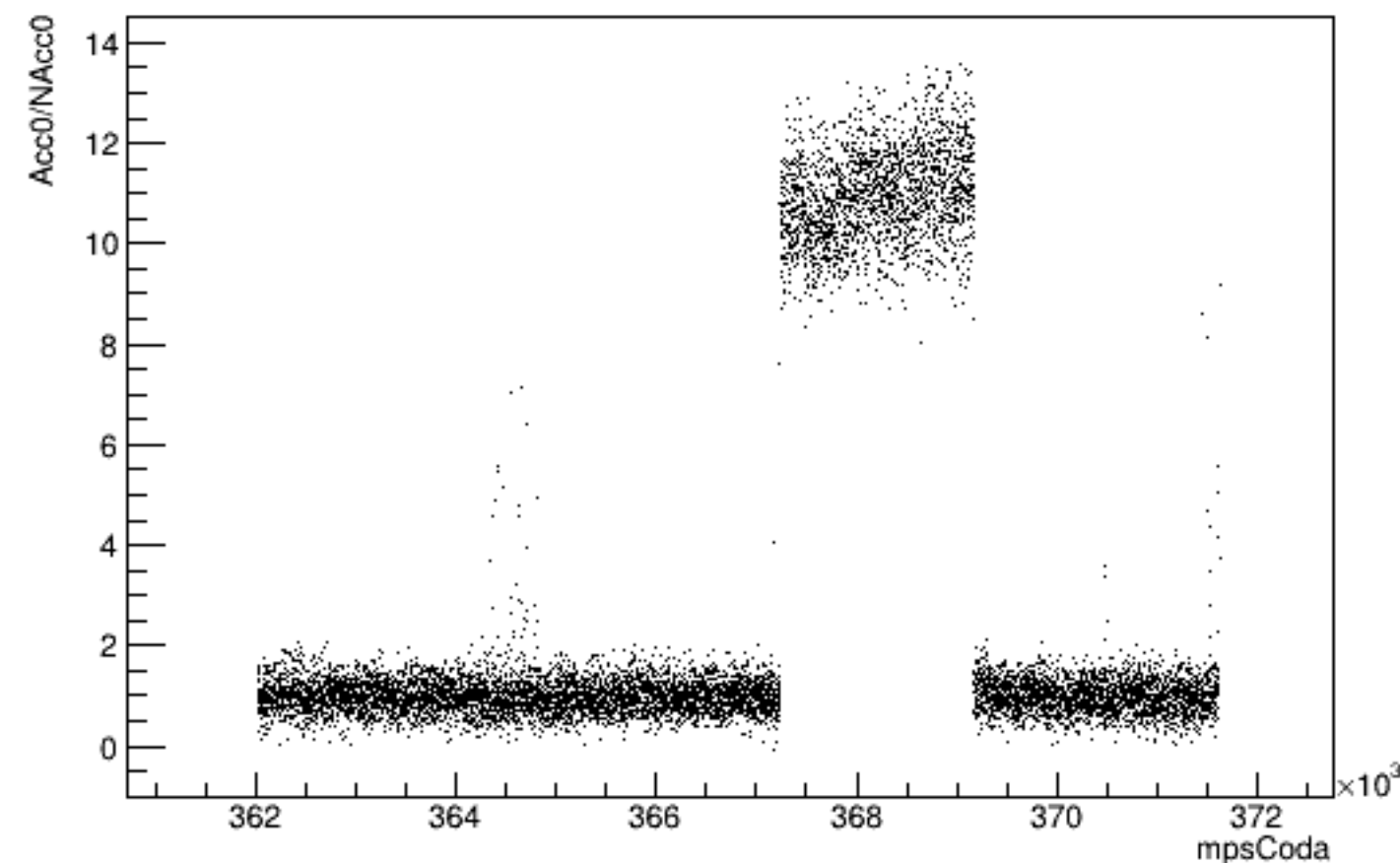
Mean: -0.0007 +/- 0.0007

Std Dev: 0.0180 +/- 0.0005

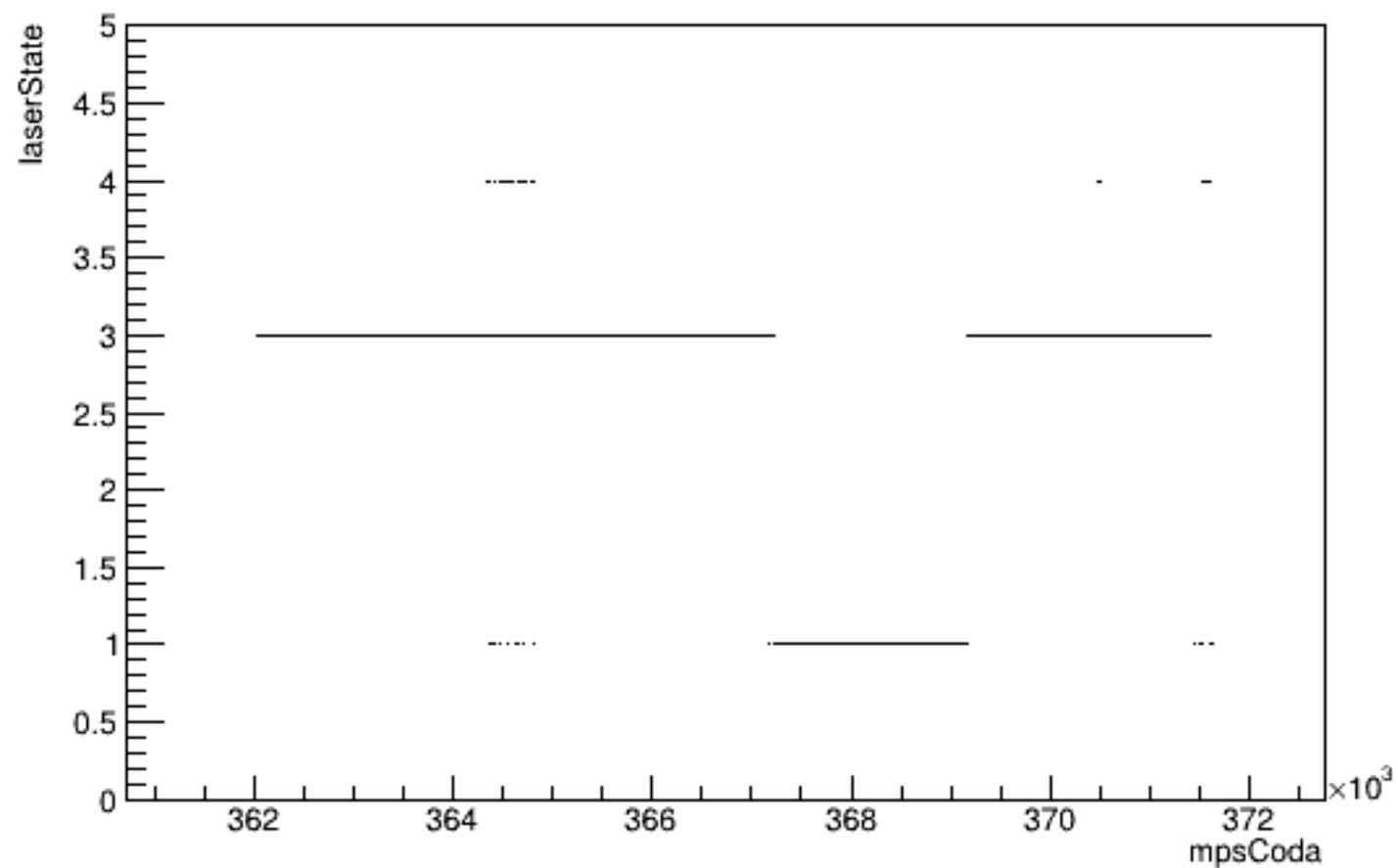
Run 5204 quartetwise, Asyms



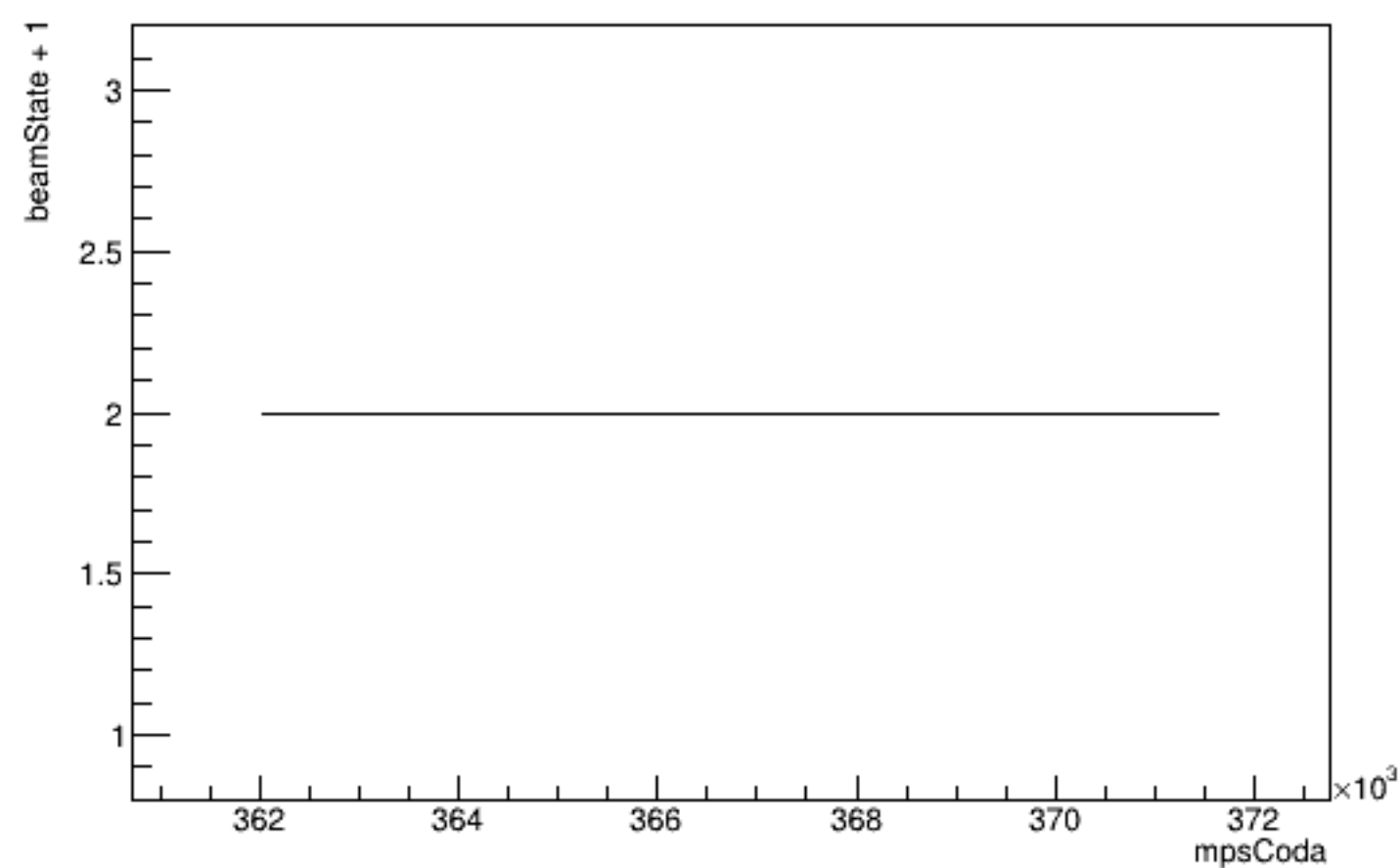
Acc0/NAcc0:mpsCoda (mpsCoda>=362020 && mpsCoda<=371623 && beamState==1)



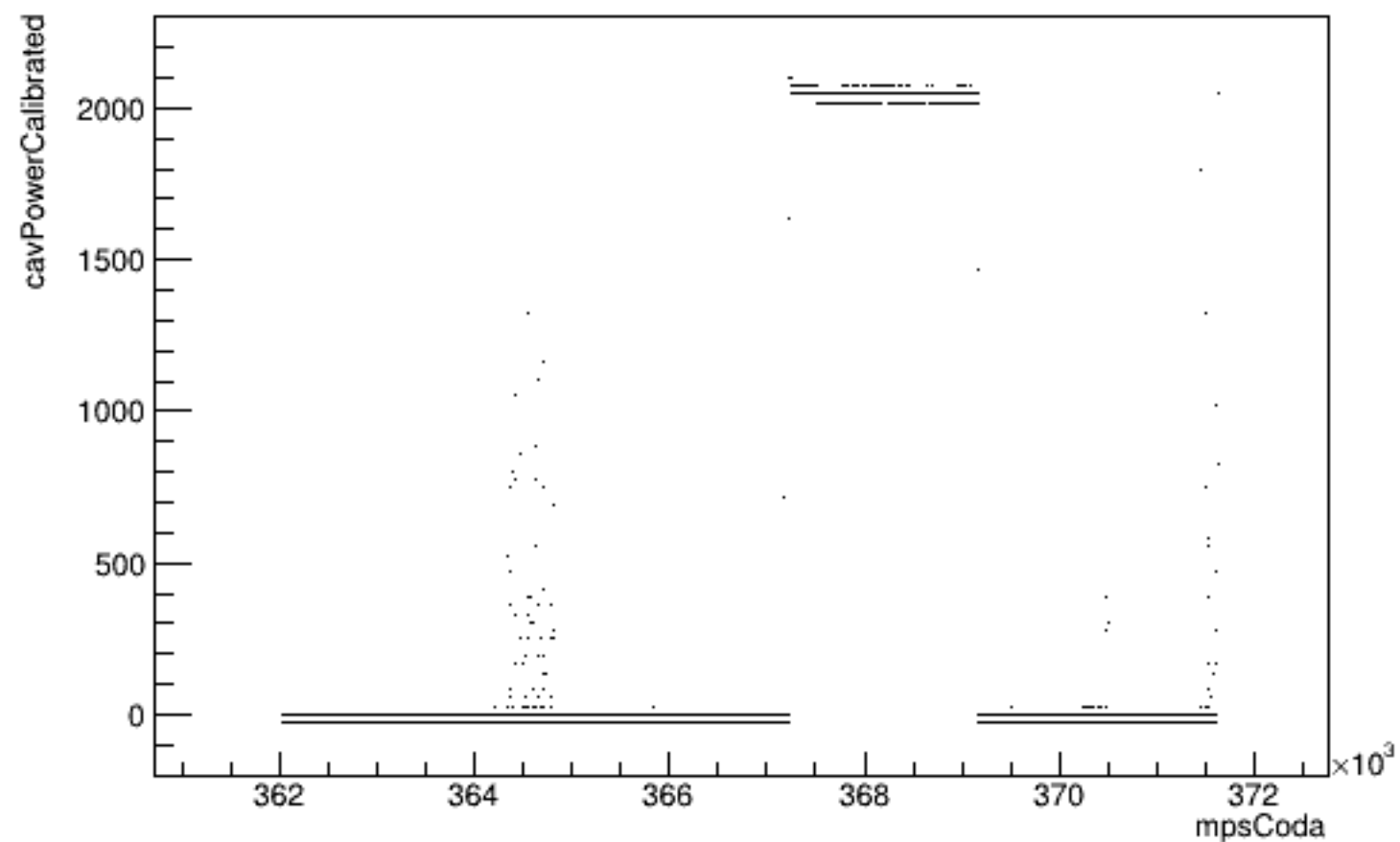
laserState:mpsCoda {mpsCoda>=362020 && mpsCoda<=371623}



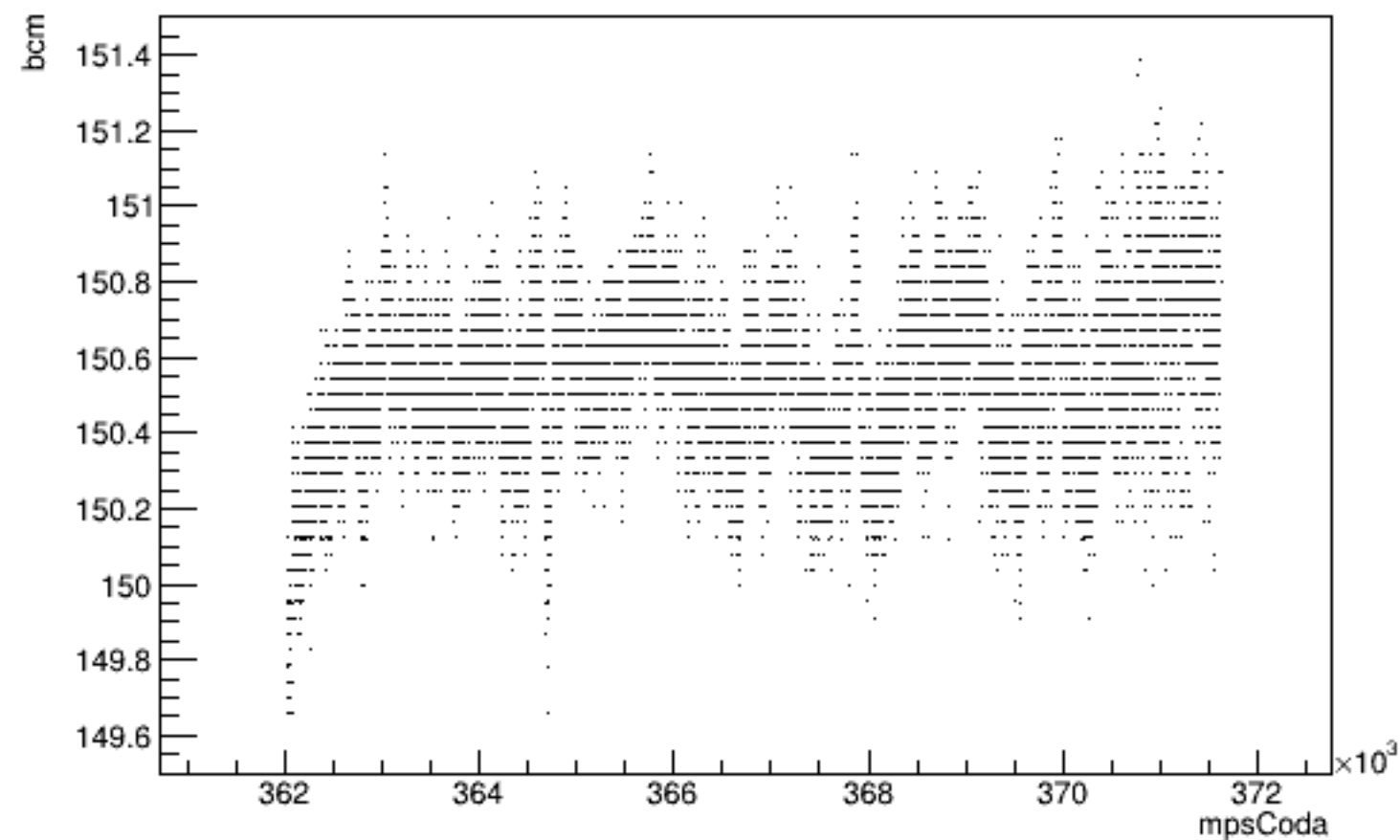
beamState + 1:mpsCoda {mpsCoda>=362020 && mpsCoda<=371623}



cavPowerCalibrated:mpsCoda {mpsCoda>=362020 && mpsCoda<=371623}



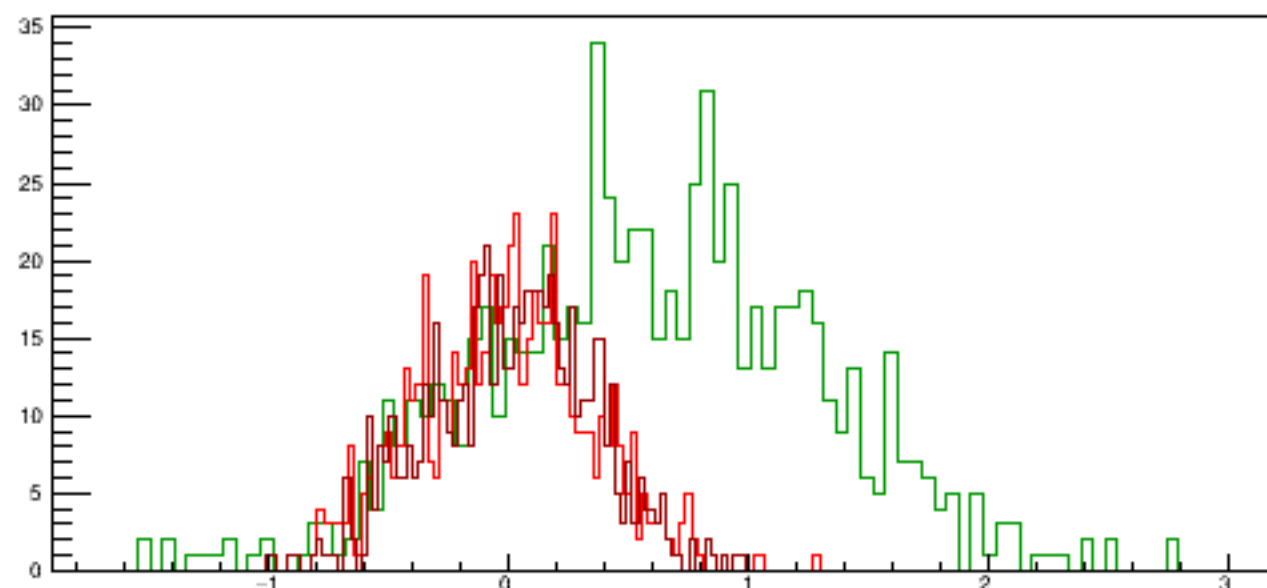
bcm:mpsCoda {mpsCoda>=362020 && mpsCoda<=371623}



Cycle 22, Diffs

Entries: 597	Entries: 748	Entries: 617
Mean: -0.0147 +/- 0.0146	Mean: 0.5936 +/- 0.0255	Mean: 0.0124 +/- 0.0136
Std Dev: 0.3572 +/- 0.0103	Std Dev: 0.6962 +/- 0.0180	Std Dev: 0.3384 +/- 0.0096

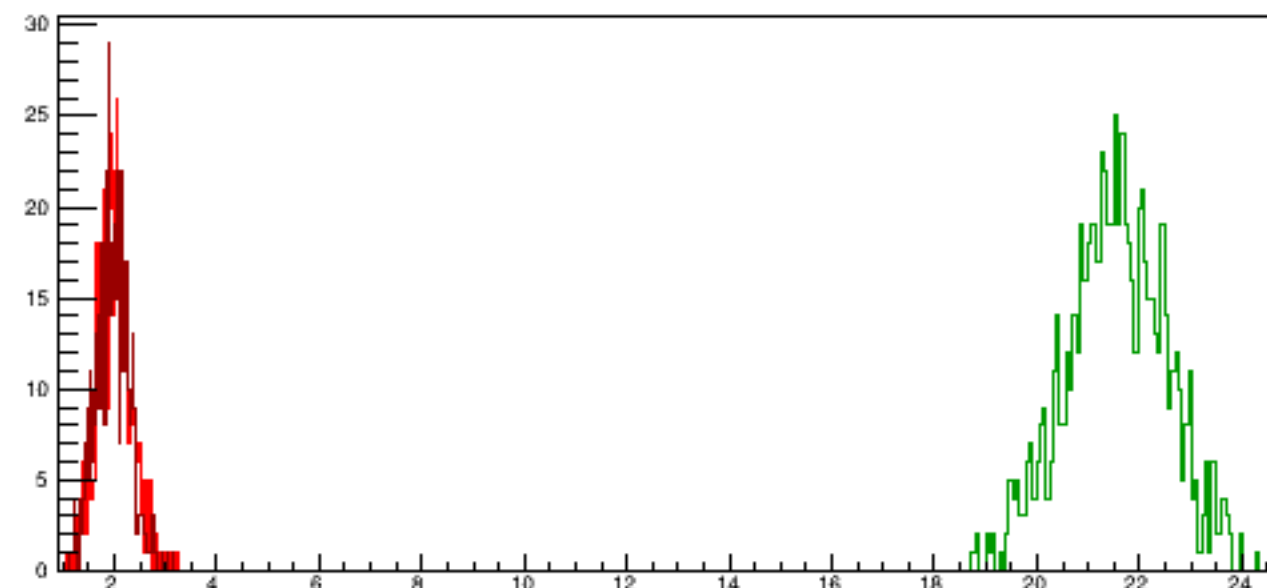
Run 5204 quartetwise, Diffs



Cycle 22, Sums

Entries: 597	Entries: 748	Entries: 617
Mean: 1.9936 +/- 0.0132	Mean: 21.5277 +/- 0.0355	Mean: 1.9603 +/- 0.0130
Std Dev: 0.3220 +/- 0.0093	Std Dev: 0.9721 +/- 0.0251	Std Dev: 0.3231 +/- 0.0092

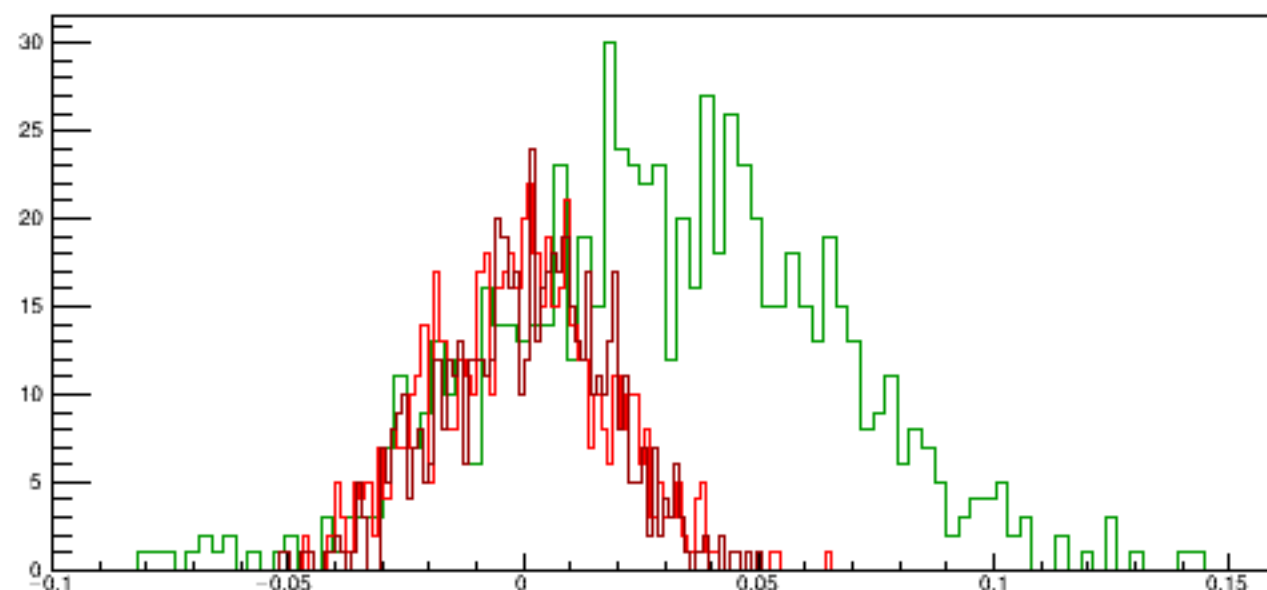
Run 5204 quartetwise, Sums



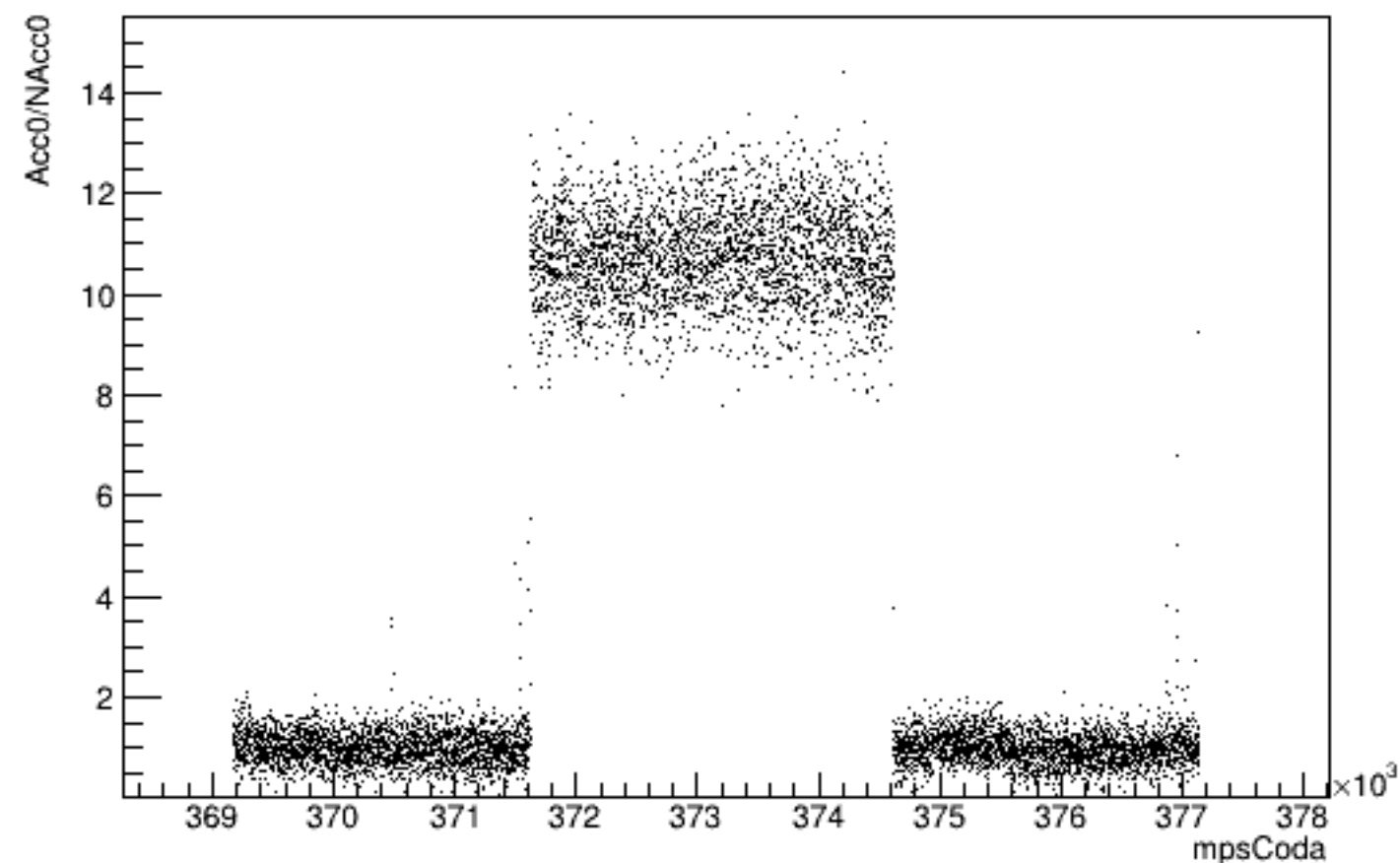
Cycle 22, Asyms

Entries: 597	Entries: 748	Entries: 617
Mean: -0.0008 +/- 0.0007	Mean: 0.0303 +/- 0.0013	Mean: 0.0006 +/- 0.0007
Std Dev: 0.0183 +/- 0.0005	Std Dev: 0.0357 +/- 0.0009	Std Dev: 0.0173 +/- 0.0005

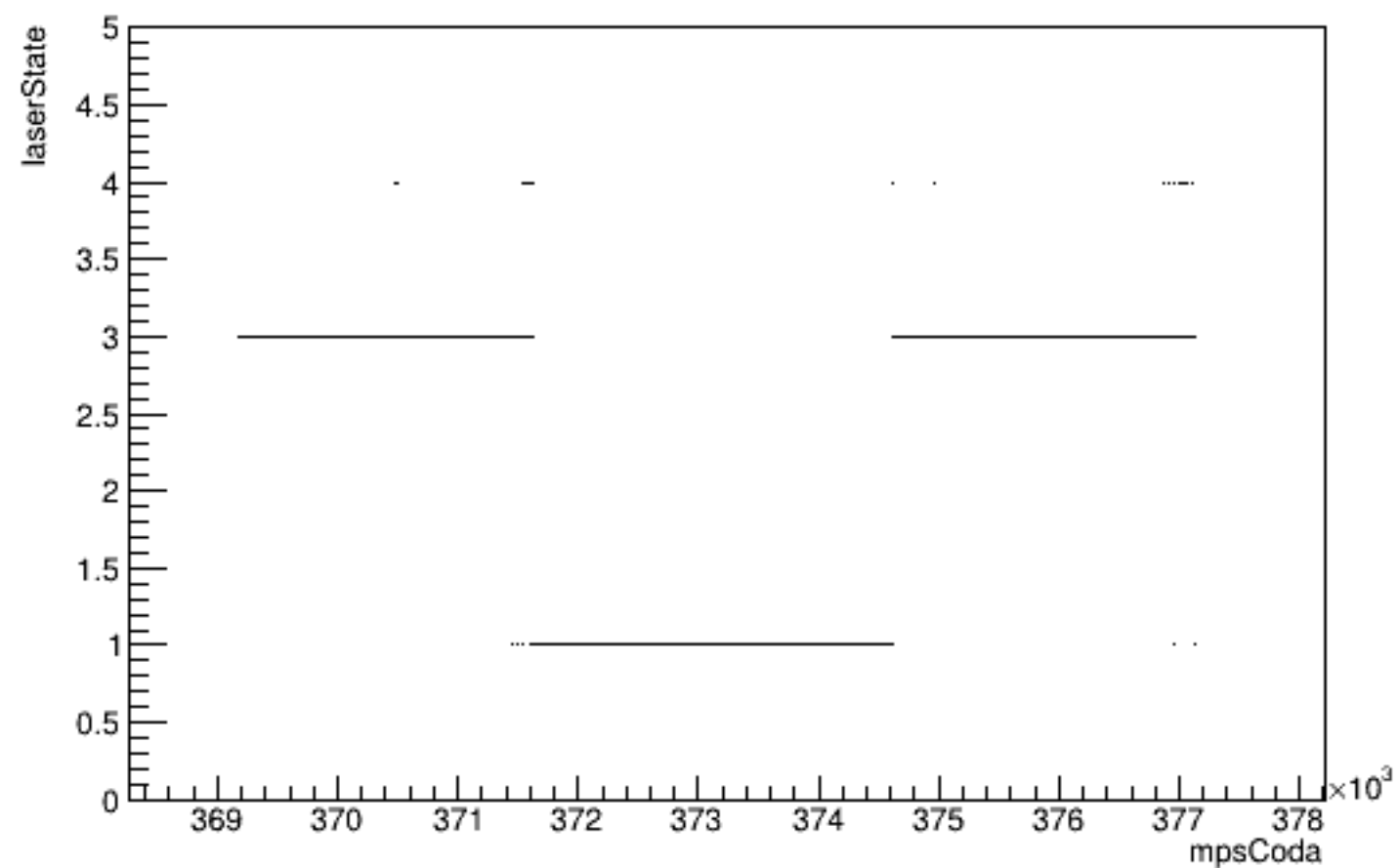
Run 5204 quartetwise, Asyms



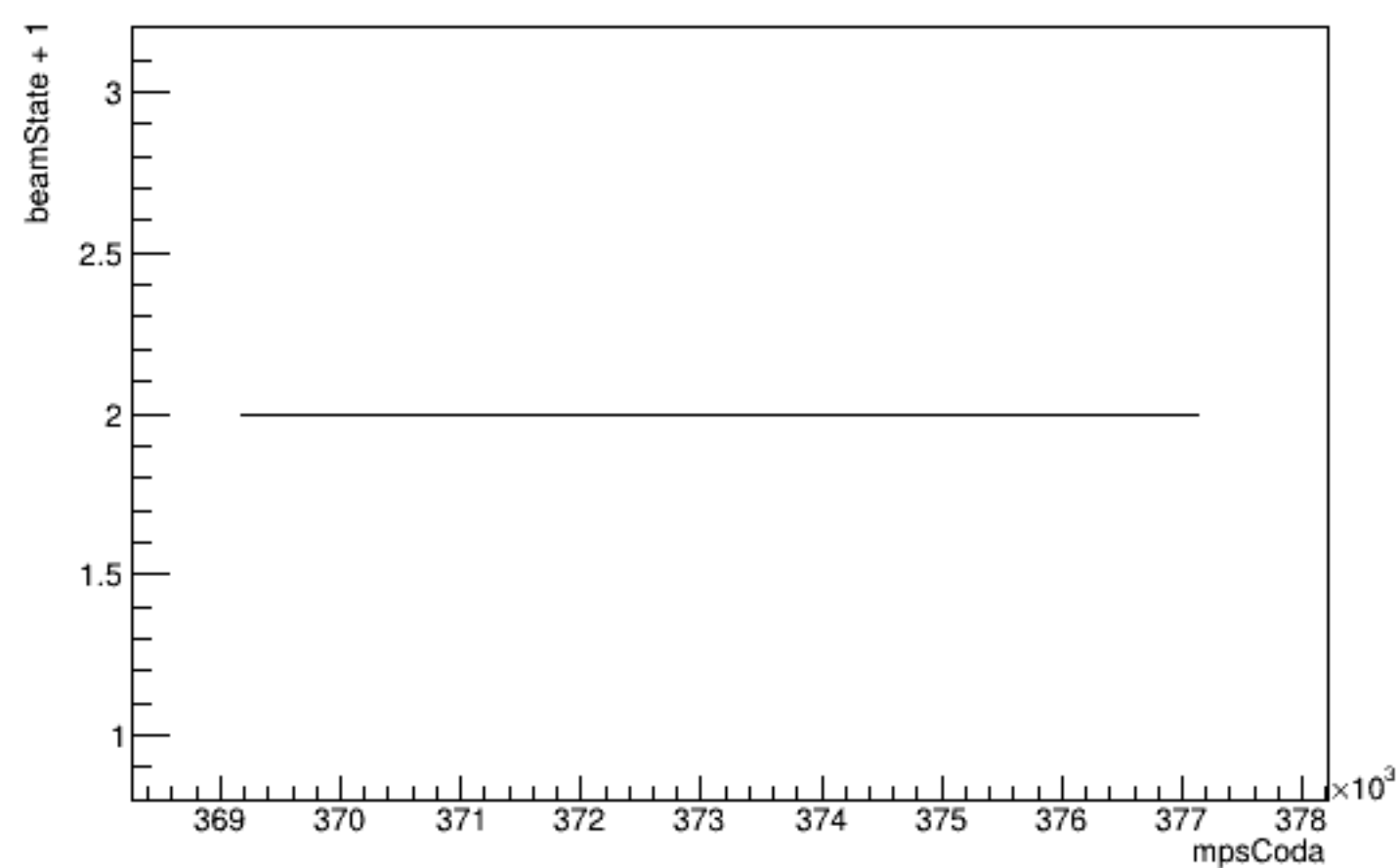
Acc0/NAcc0:mpsCoda (mpsCoda>=369176 && mpsCoda<=377139 && beamState==1)



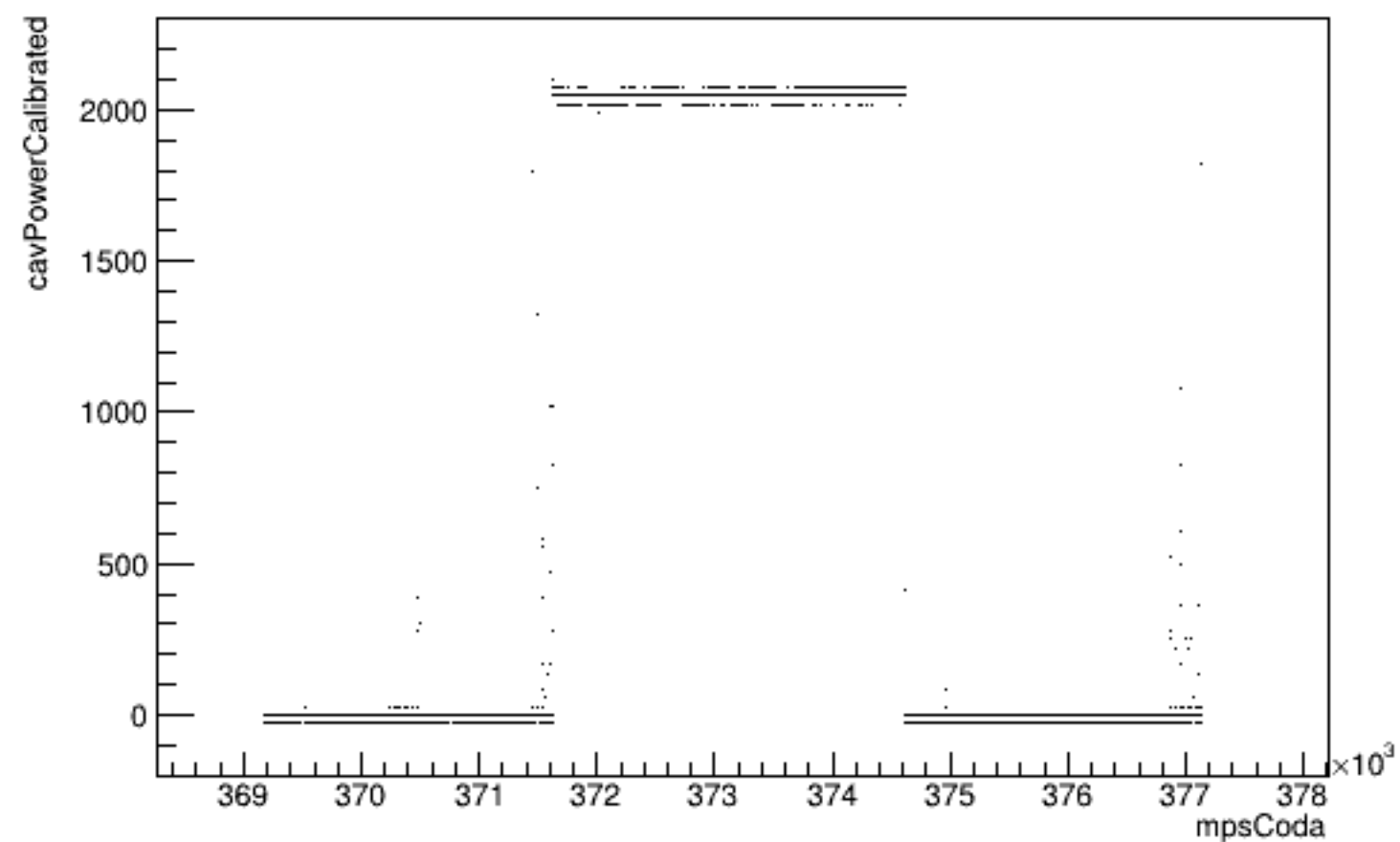
laserState:mpsCoda {mpsCoda>=369176 && mpsCoda<=377139}



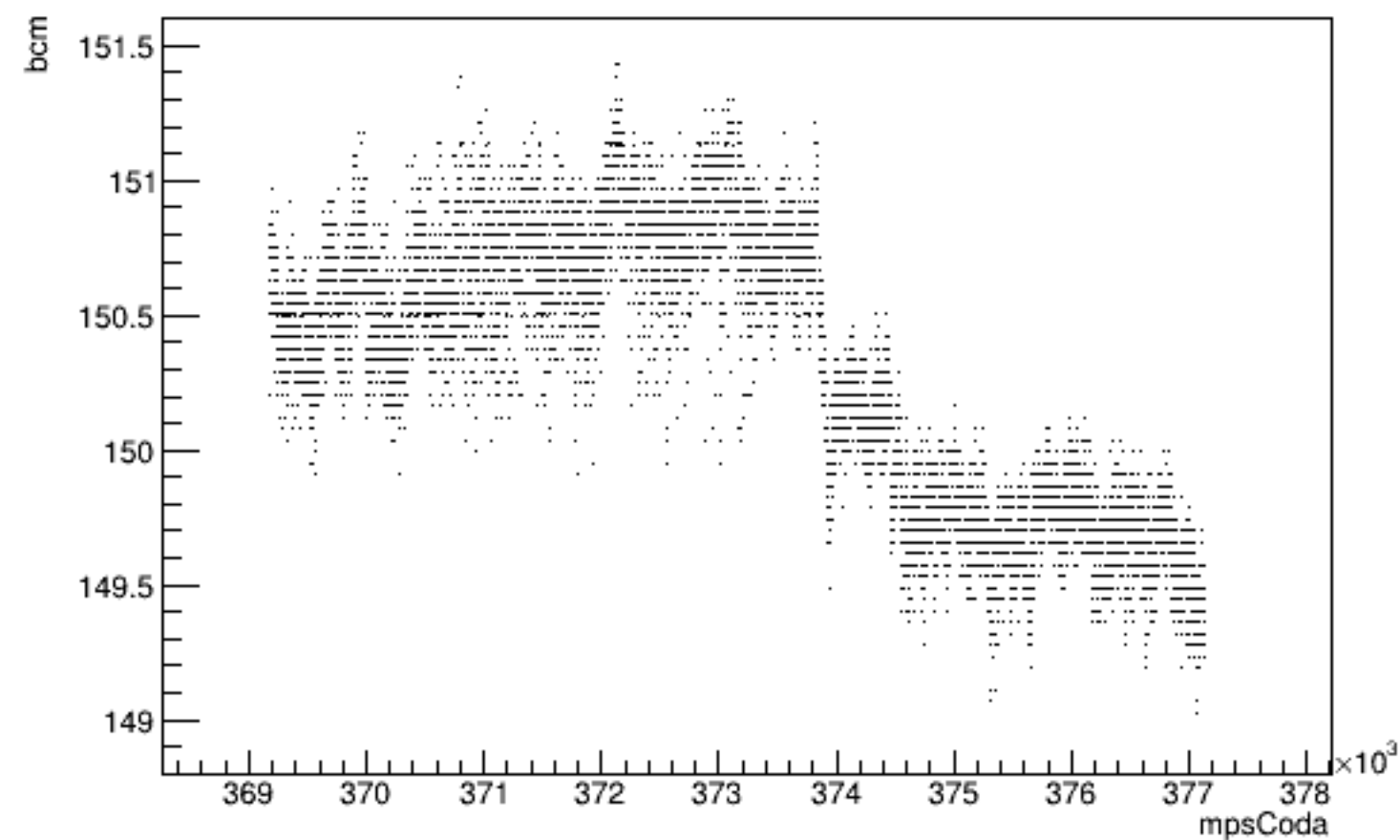
beamState + 1:mpsCoda {mpsCoda>=369176 && mpsCoda<=377139}



cavPowerCalibrated:mpsCoda {mpsCoda>=369176 && mpsCoda<=377139}



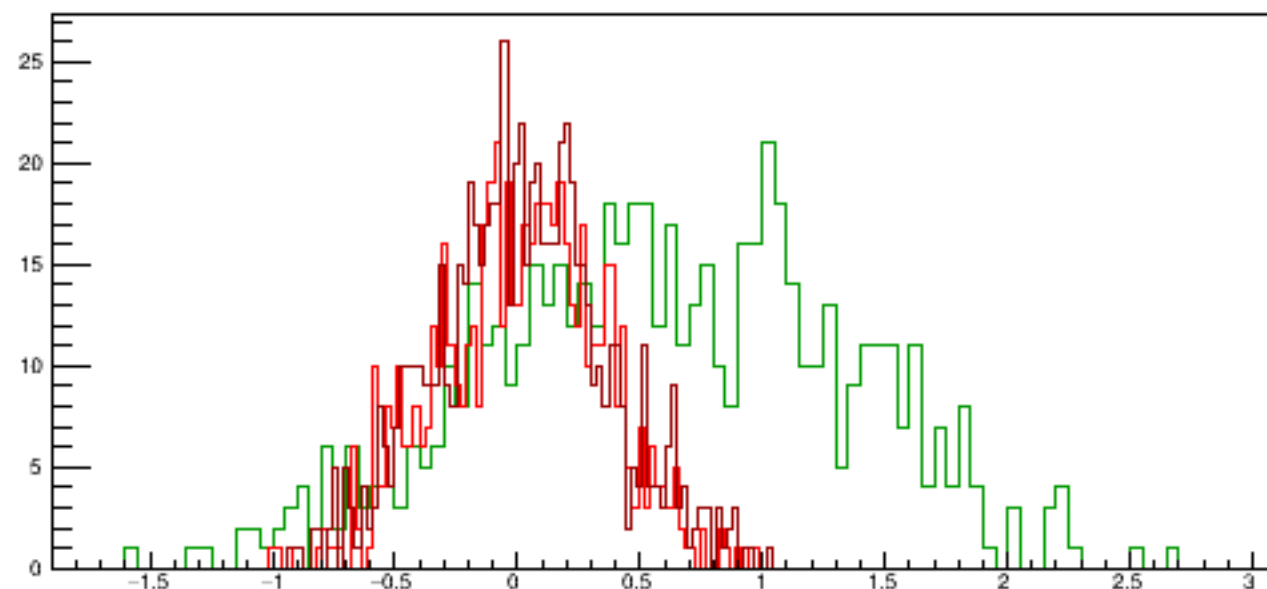
bcm:mpsCoda {mpsCoda>=369176 && mpsCoda<=377139}



Cycle 23, Diffs

Entries: 617	Entries: 598	Entries: 710
Mean: 0.0124 +/- 0.0136	Mean: 0.6029 +/- 0.0298	Mean: 0.0128 +/- 0.0132
Std Dev: 0.3384 +/- 0.0096	Std Dev: 0.7286 +/- 0.0211	Std Dev: 0.3517 +/- 0.0093

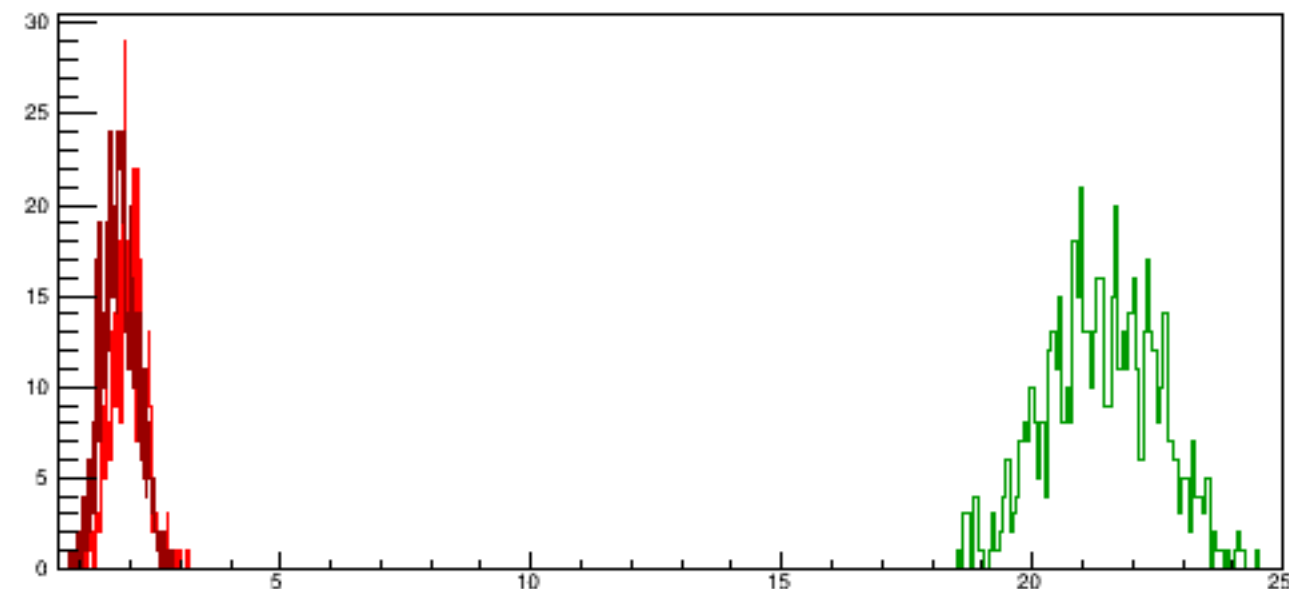
Run 5204 quartetwise, Diffs



Cycle 23, Sums

Entries: 617	Entries: 598	Entries: 710
Mean: 1.9603 +/- 0.0130	Mean: 21.3953 +/- 0.0451	Mean: 1.7909 +/- 0.0129
Std Dev: 0.3231 +/- 0.0092	Std Dev: 1.1032 +/- 0.0319	Std Dev: 0.3443 +/- 0.0091

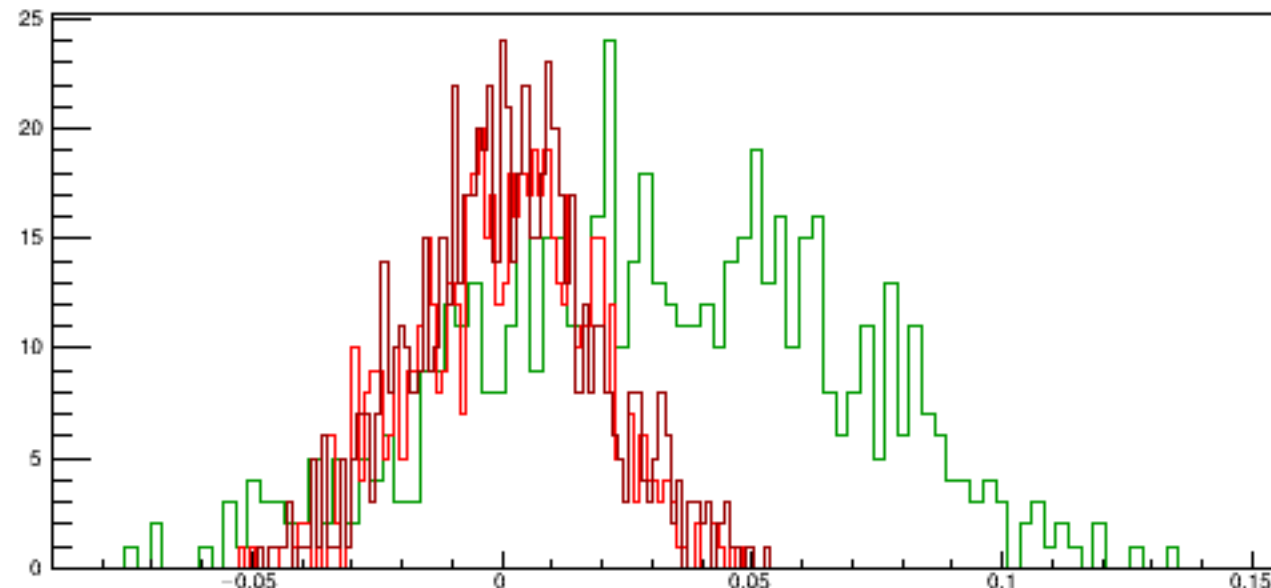
Run 5204 quartetwise, Sums



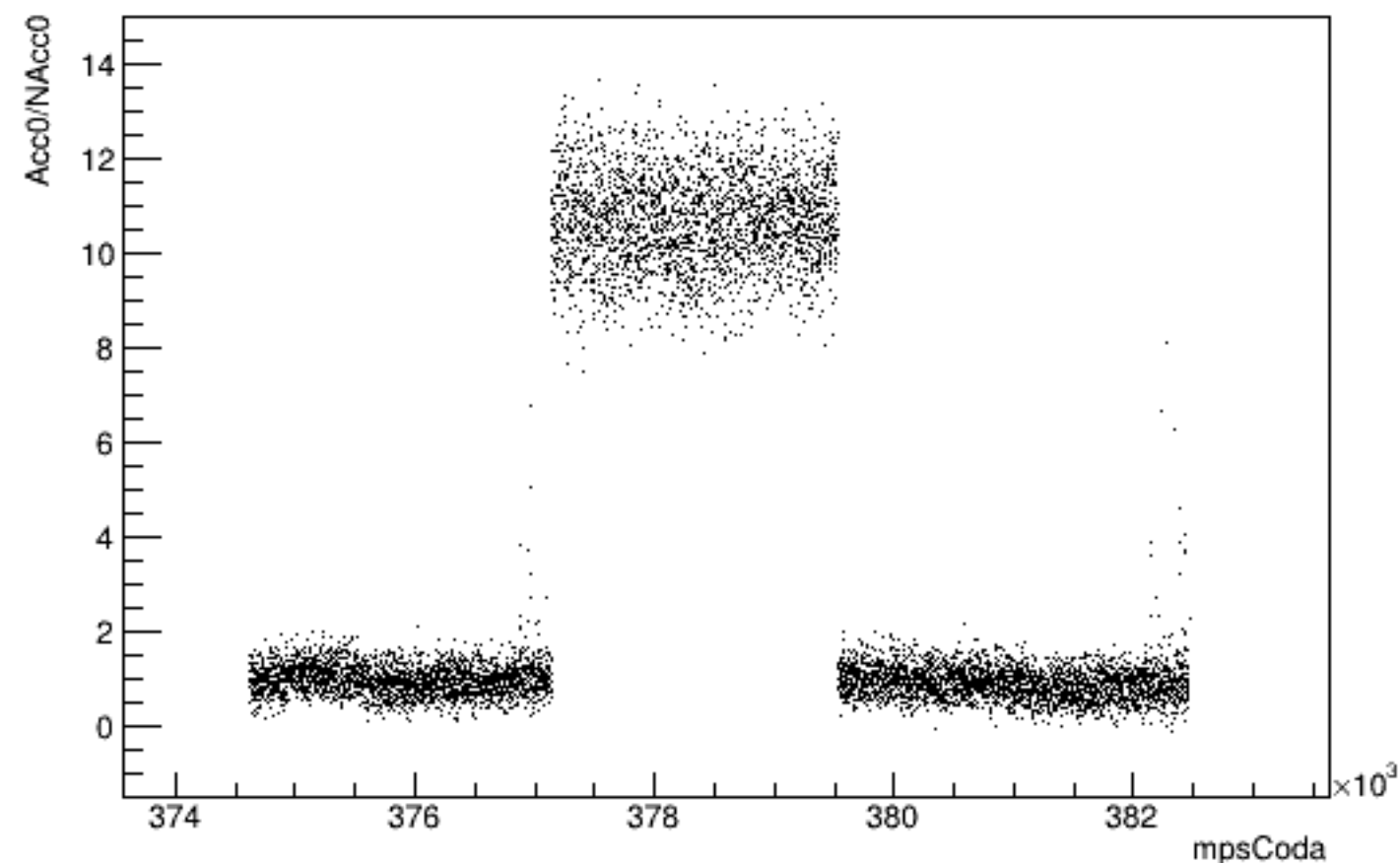
Cycle 23, Asyms

Entries: 617	Entries: 598	Entries: 710
Mean: 0.0006 +/- 0.0007	Mean: 0.0309 +/- 0.0015	Mean: 0.0007 +/- 0.0007
Std Dev: 0.0173 +/- 0.0005	Std Dev: 0.0374 +/- 0.0011	Std Dev: 0.0180 +/- 0.0005

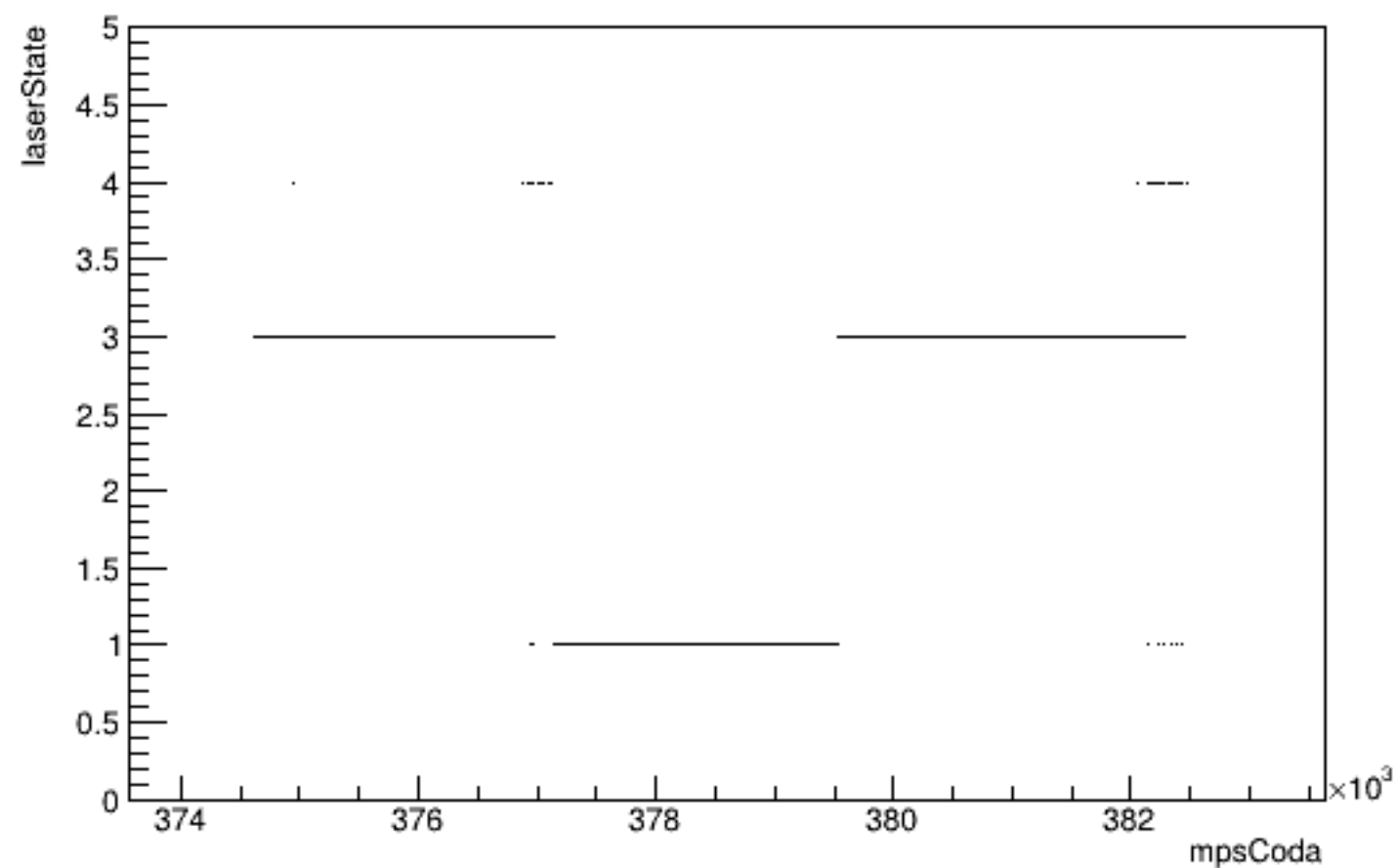
Run 5204 quartetwise, Asyms



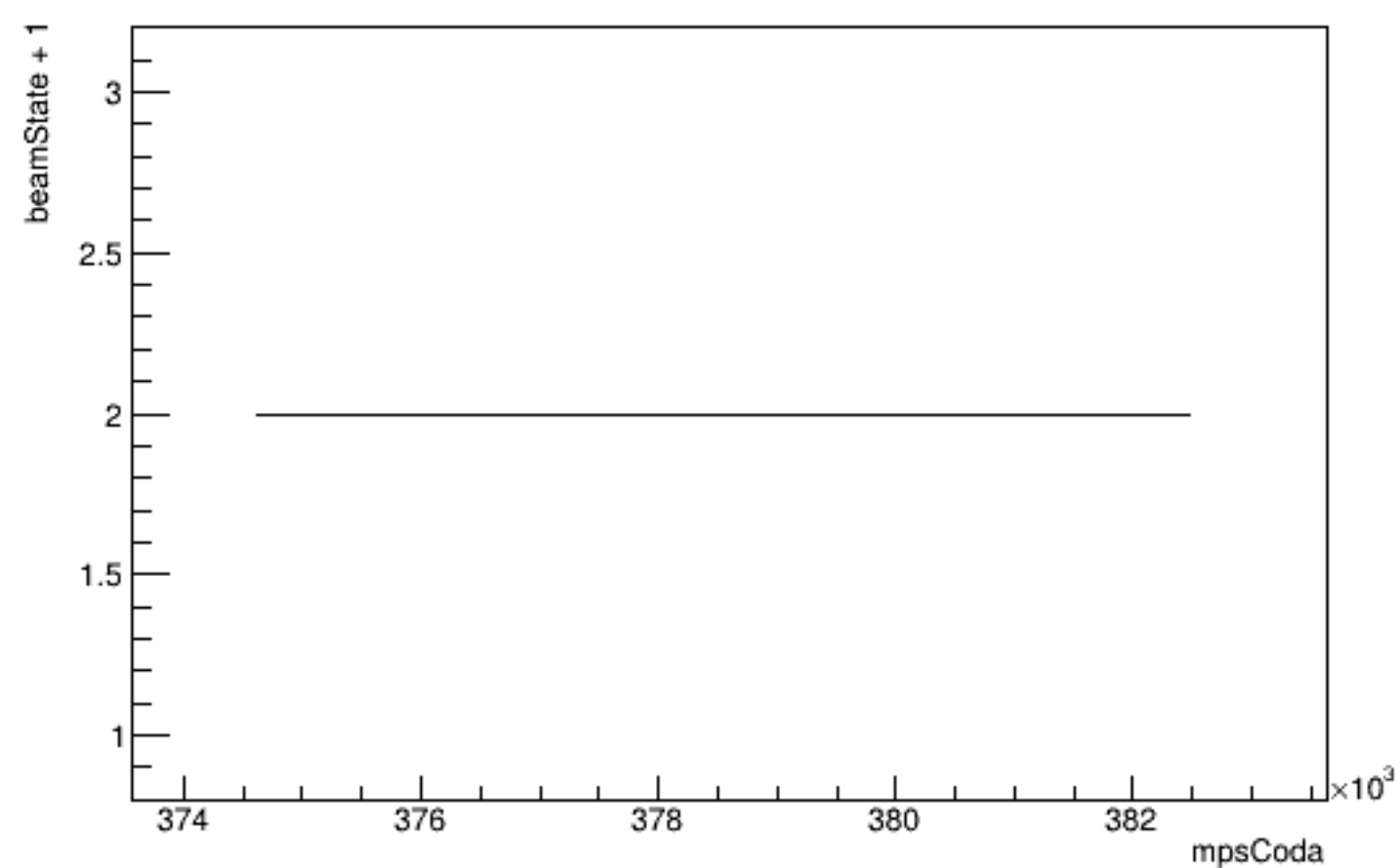
Acc0/NAcc0:mpsCoda (mpsCoda>=374620 && mpsCoda<=382463 && beamState==1)



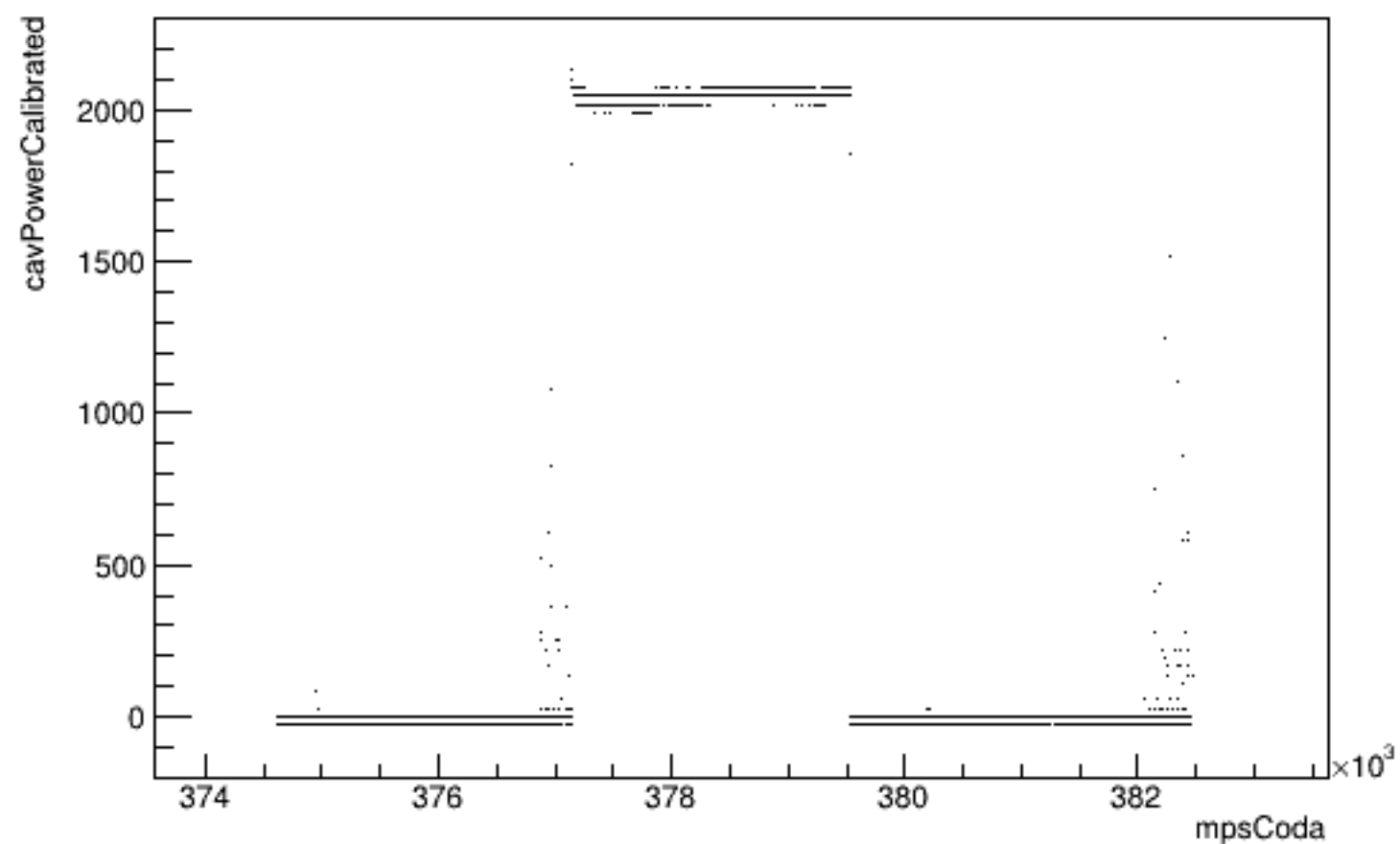
laserState:mpsCoda {mpsCoda>=374620 && mpsCoda<=382463}



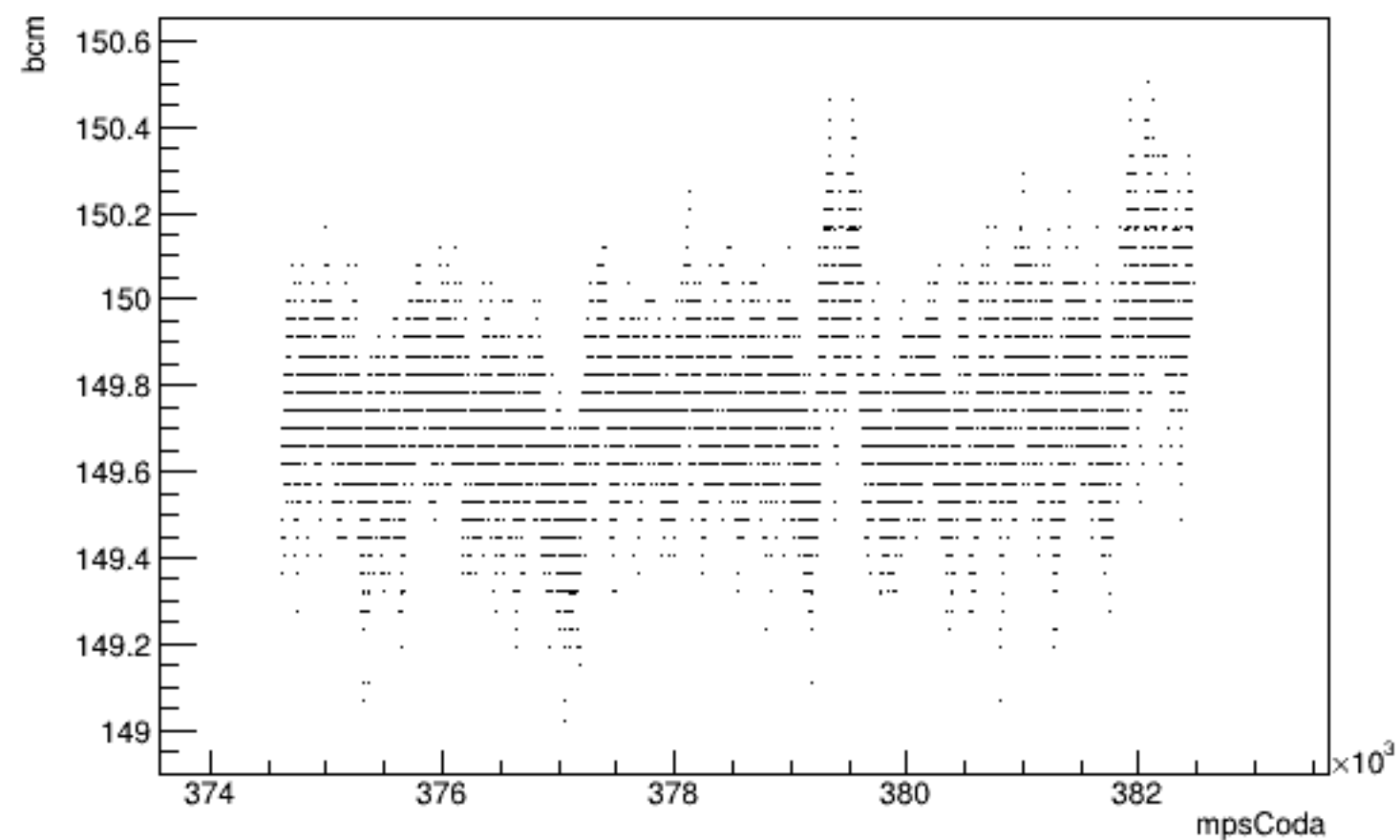
beamState + 1:mpsCoda {mpsCoda>=374620 && mpsCoda<=382463}



cavPowerCalibrated:mpsCoda {mpsCoda>=374620 && mpsCoda<=382463}



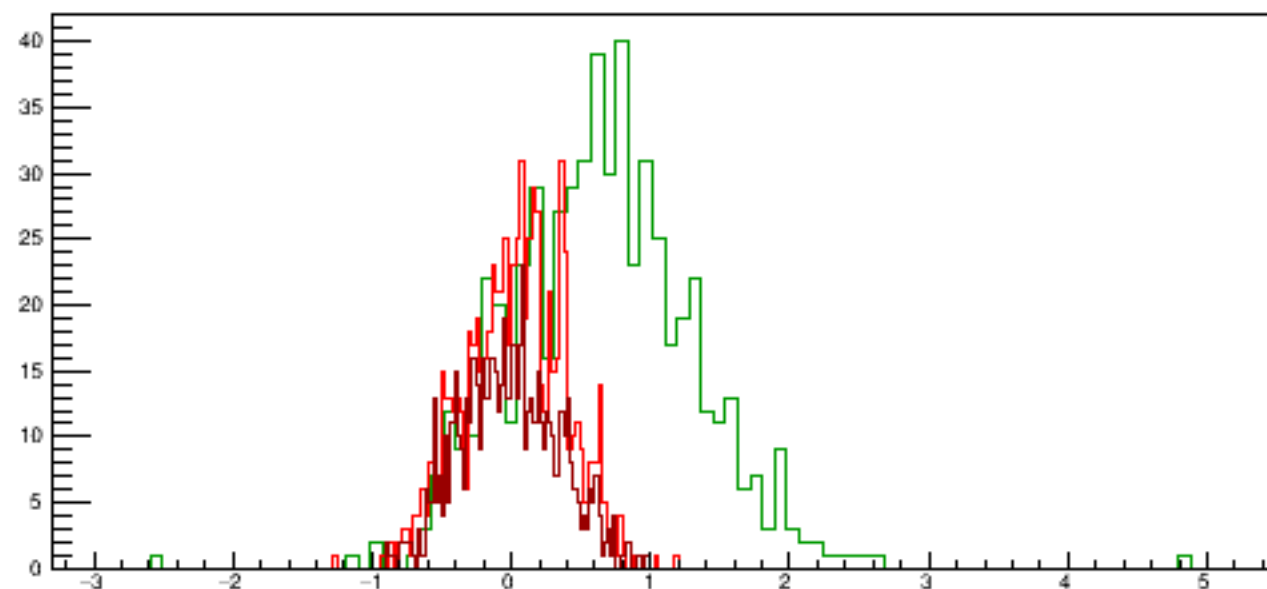
bcm:mpsCoda {mpsCoda>=374620 && mpsCoda<=382463}



Cycle 24, Diffs

Entries: 758	Entries: 574	Entries: 639
Mean: 0.0282 +/- 0.0129	Mean: 0.6584 +/- 0.0279	Mean: -0.0075 +/- 0.0140
Std Dev: 0.3556 +/- 0.0091	Std Dev: 0.6673 +/- 0.0197	Std Dev: 0.3532 +/- 0.0099

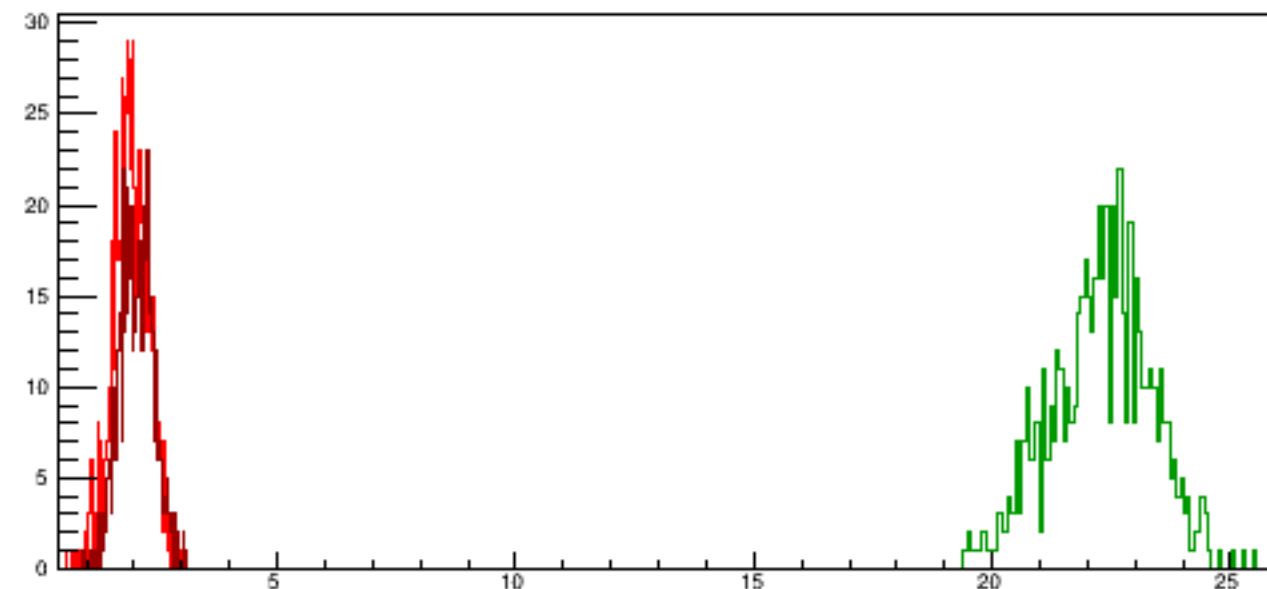
Run 5204 quartetwise, Diffs



Cycle 24, Sums

Entries: 758	Entries: 574	Entries: 639
Mean: 1.9277 +/- 0.0135	Mean: 22.2889 +/- 0.0440	Mean: 2.0546 +/- 0.0137
Std Dev: 0.3728 +/- 0.0096	Std Dev: 1.0531 +/- 0.0311	Std Dev: 0.3462 +/- 0.0097

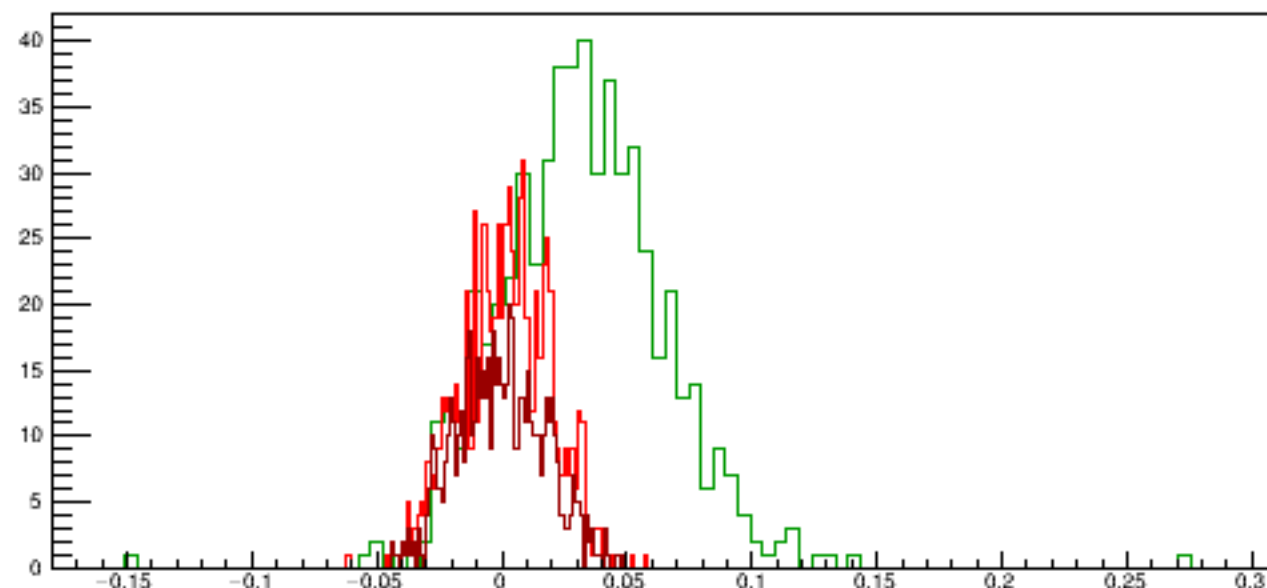
Run 5204 quartetwise, Sums



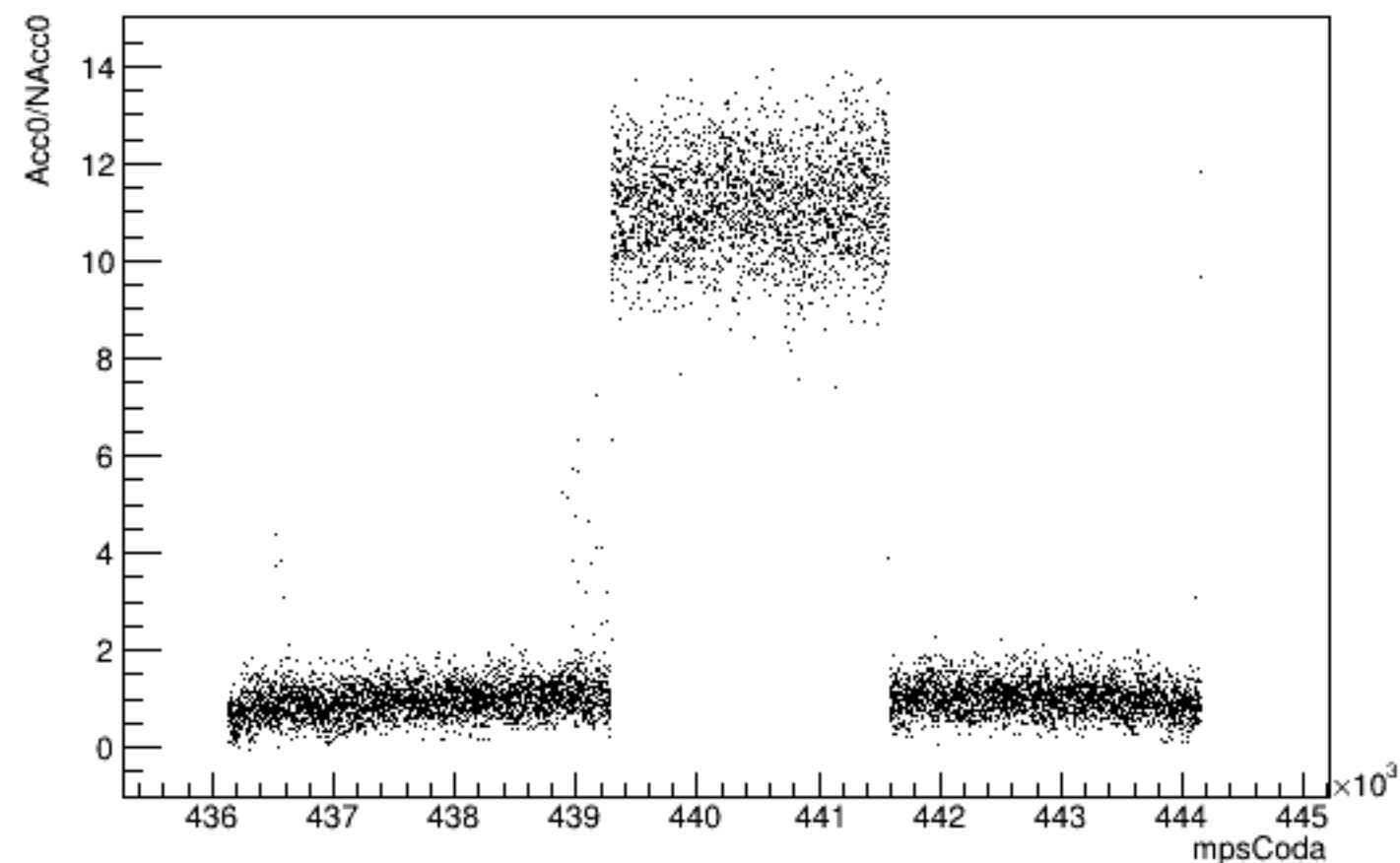
Cycle 24, Asyms

Entries: 758	Entries: 574	Entries: 639
Mean: 0.0014 +/- 0.0006	Mean: 0.0325 +/- 0.0014	Mean: -0.0004 +/- 0.0007
Std Dev: 0.0175 +/- 0.0004	Std Dev: 0.0336 +/- 0.0010	Std Dev: 0.0174 +/- 0.0005

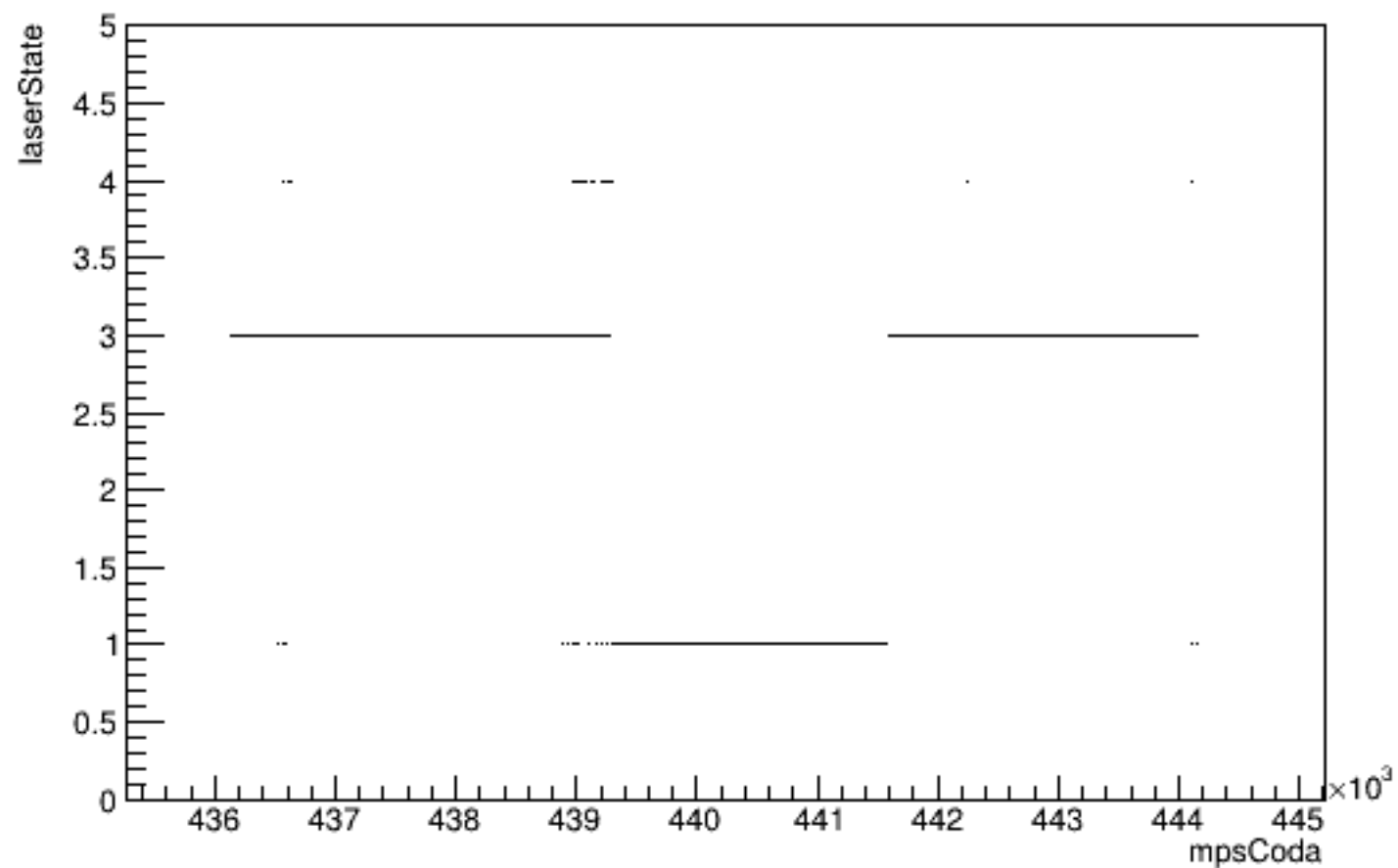
Run 5204 quartetwise, Asyms



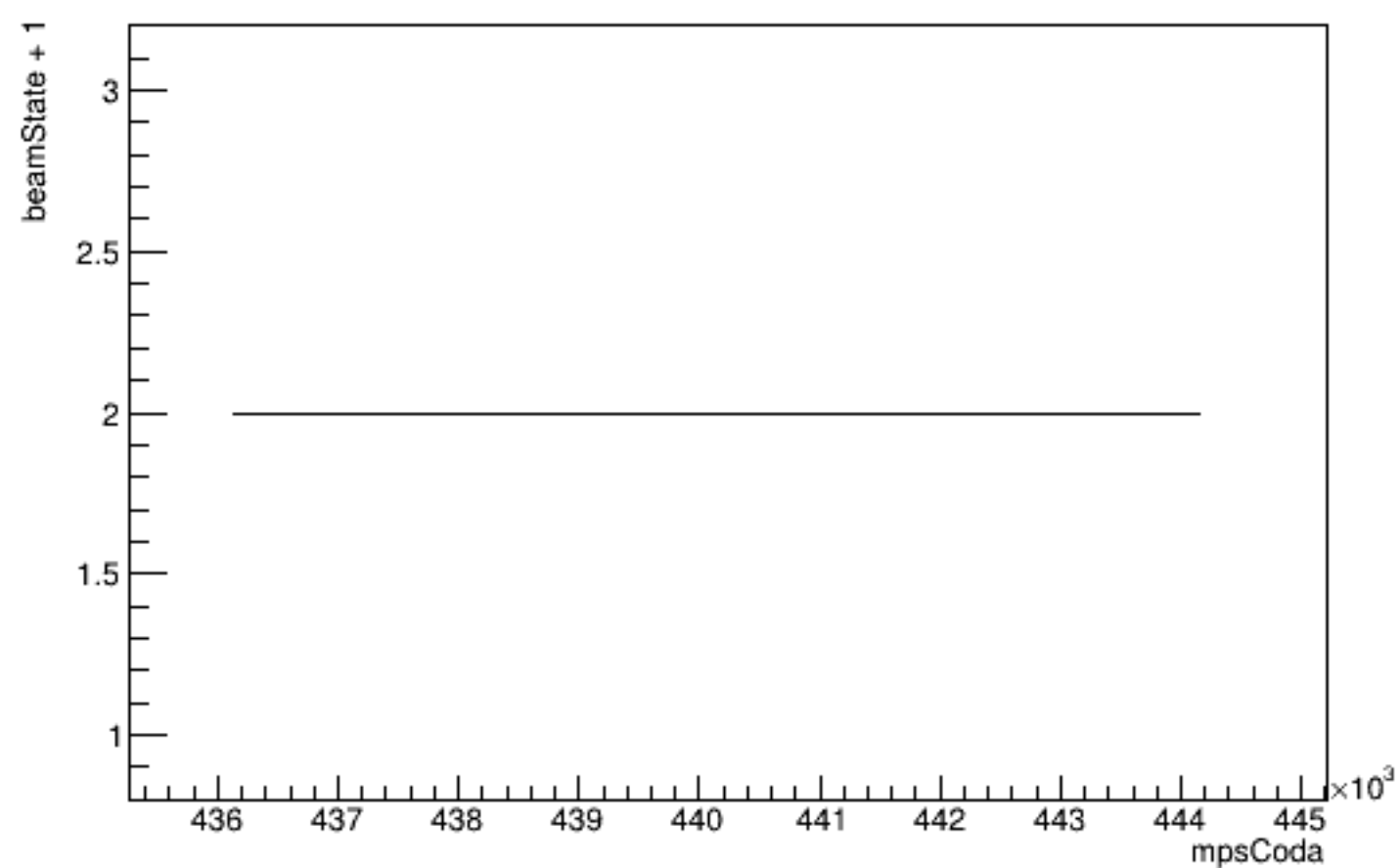
Acc0/NAcc0:mpsCoda (mpsCoda>=436132 && mpsCoda<=444151 && beamState==1)



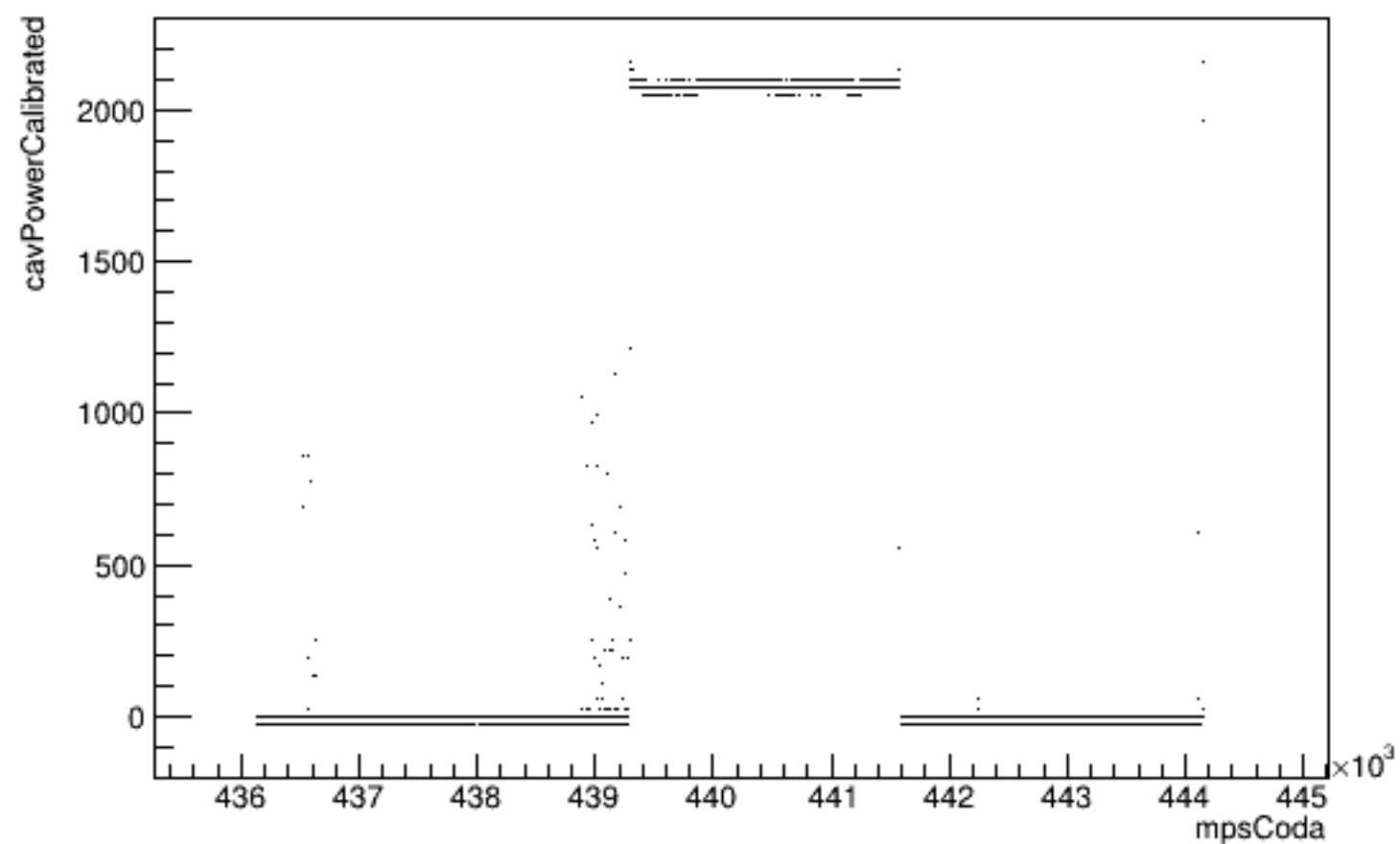
laserState:mpsCoda {mpsCoda>=436132 && mpsCoda<=444151}



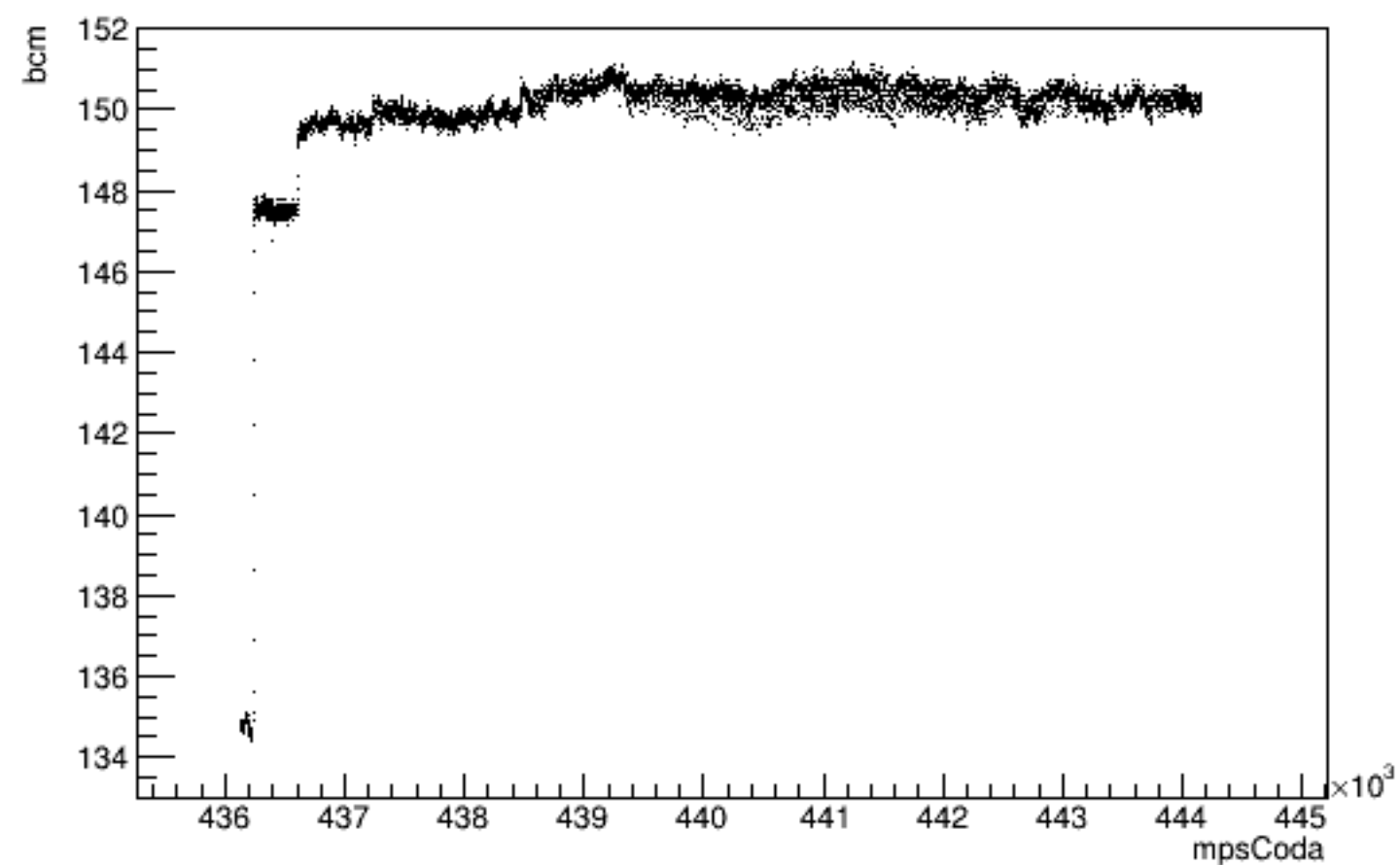
beamState + 1:mpsCoda {mpsCoda>=436132 && mpsCoda<=444151}



cavPowerCalibrated:mpsCoda {mpsCoda>=436132 && mpsCoda<=444151}



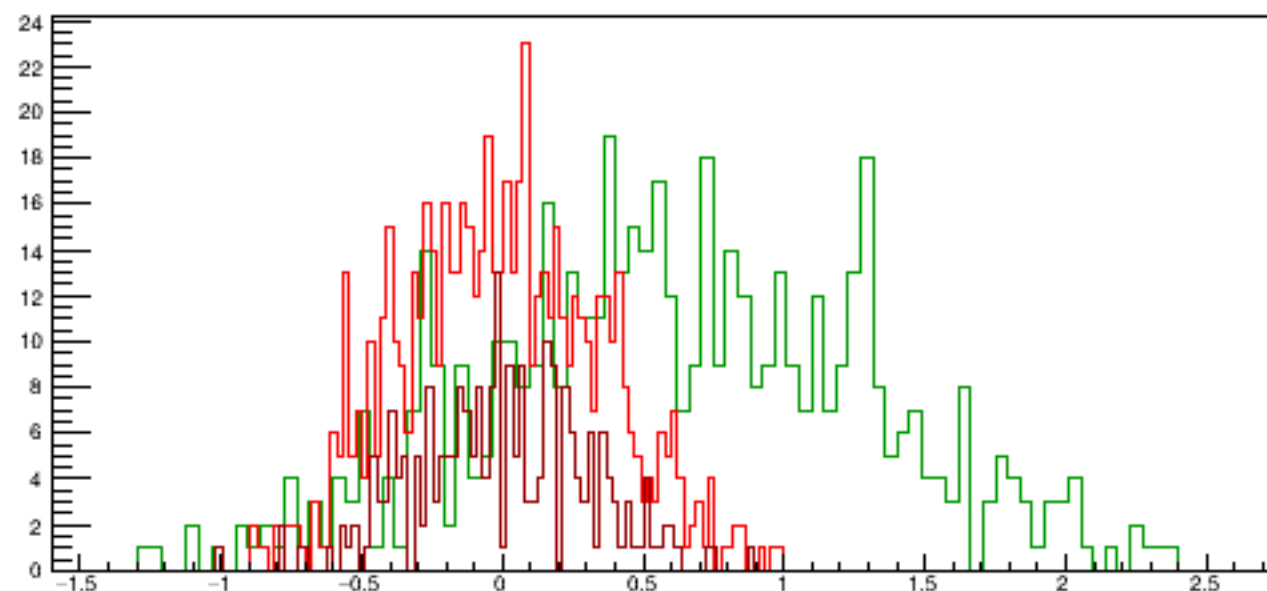
bcm:mpsCoda {mpsCoda>=436132 && mpsCoda<=444151}



Cycle 25, Diffs

Entries: 639	Entries: 528	Entries: 239
Mean: -0.0075 +/- 0.0140	Mean: 0.6121 +/- 0.0299	Mean: -0.0056 +/- 0.0201
Std Dev: 0.3532 +/- 0.0099	Std Dev: 0.6878 +/- 0.0212	Std Dev: 0.3111 +/- 0.0142

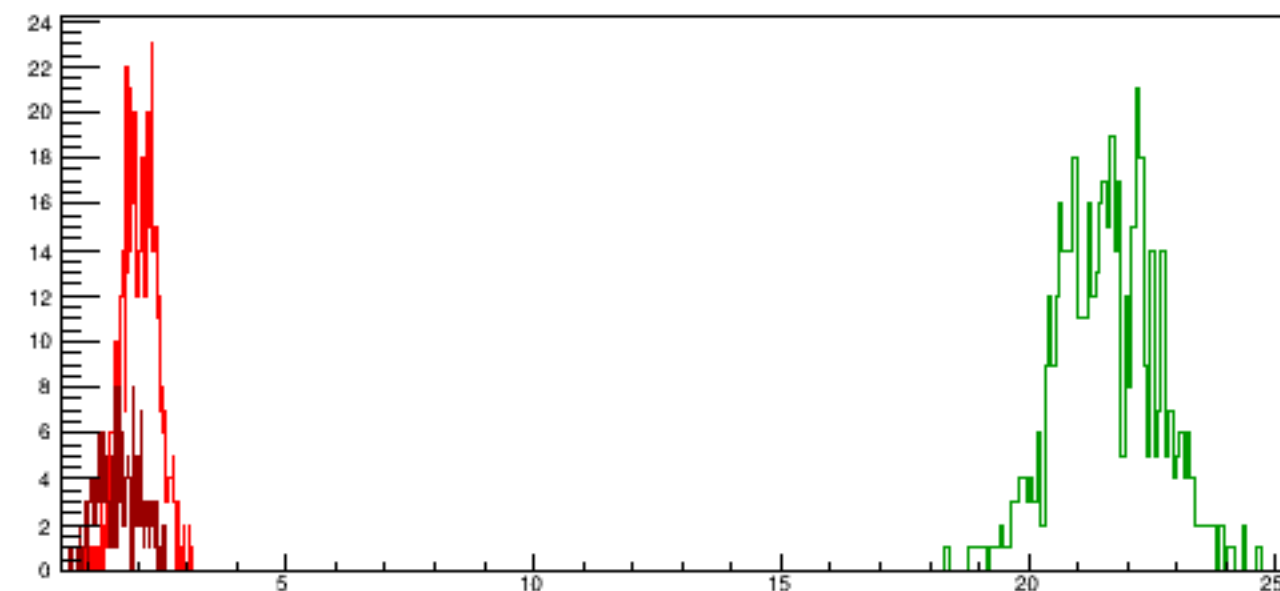
Run 5204 quartetwise, Diffs



Cycle 25, Sums

Entries: 639	Entries: 528	Entries: 239
Mean: 2.0546 +/- 0.0137	Mean: 21.5608 +/- 0.0438	Mean: 1.6256 +/- 0.0269
Std Dev: 0.3462 +/- 0.0097	Std Dev: 1.0058 +/- 0.0310	Std Dev: 0.4161 +/- 0.0190

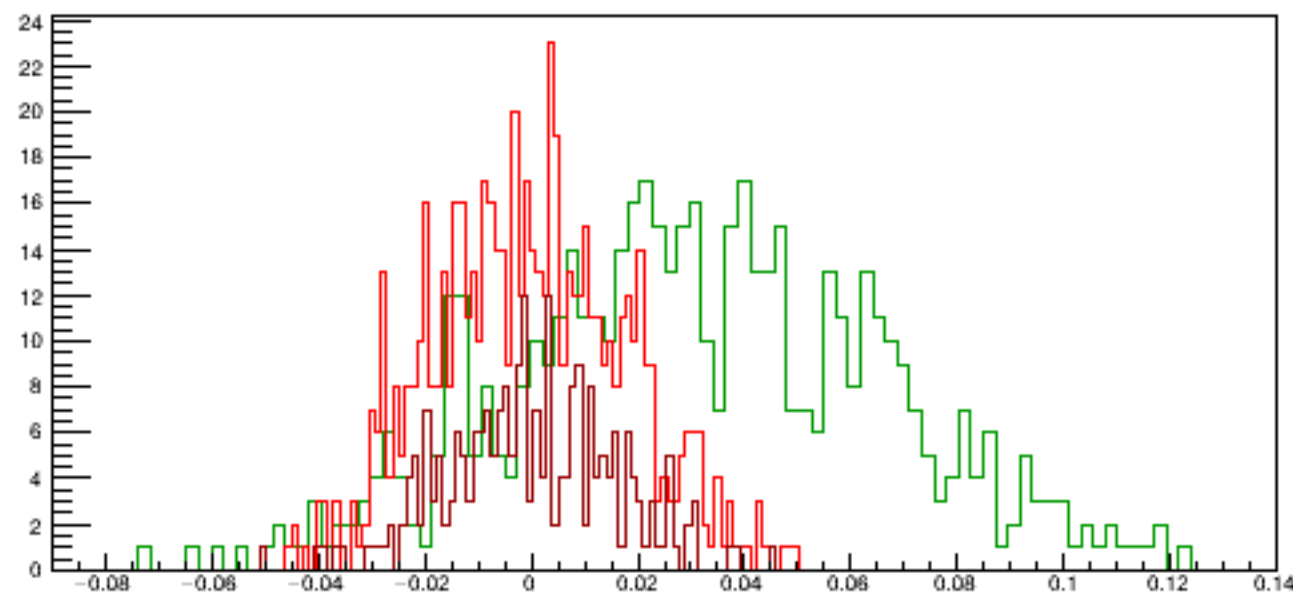
Run 5204 quartetwise, Sums



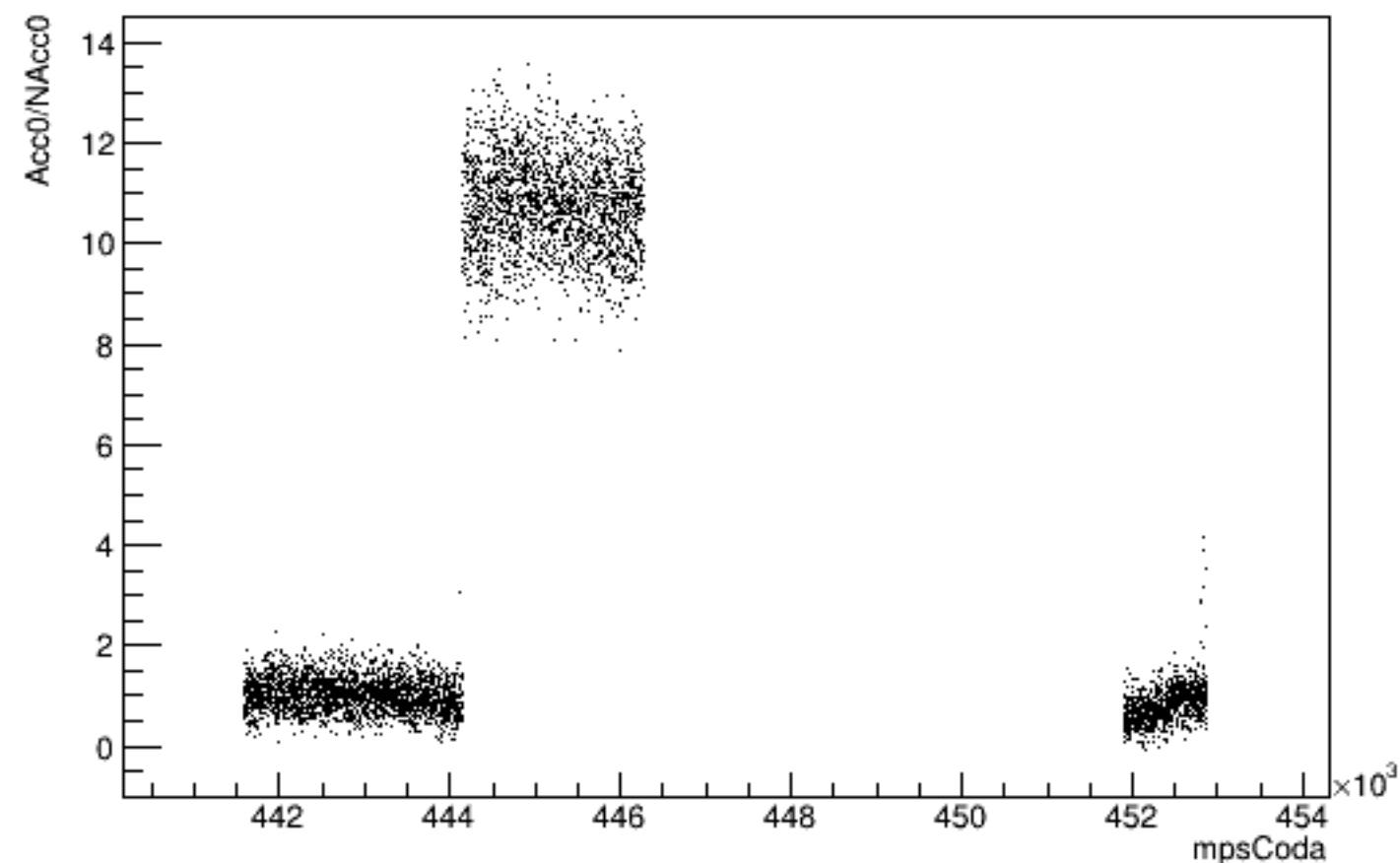
Cycle 25, Asyms

Entries: 639	Entries: 528	Entries: 239
Mean: -0.0004 +/- 0.0007	Mean: 0.0310 +/- 0.0015	Mean: -0.0003 +/- 0.0010
Std Dev: 0.0179 +/- 0.0005	Std Dev: 0.0350 +/- 0.0011	Std Dev: 0.0158 +/- 0.0007

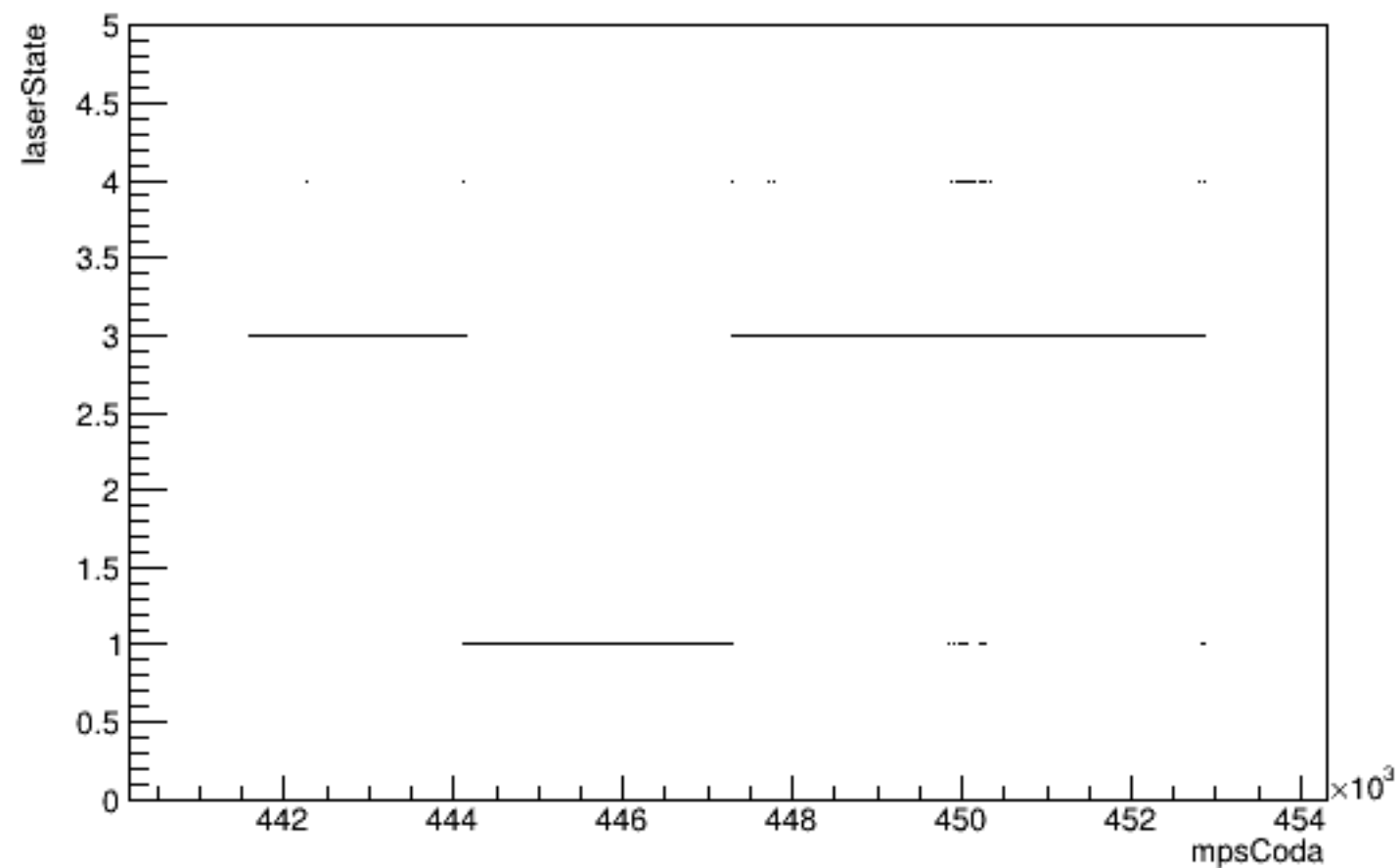
Run 5204 quartetwise, Asyms



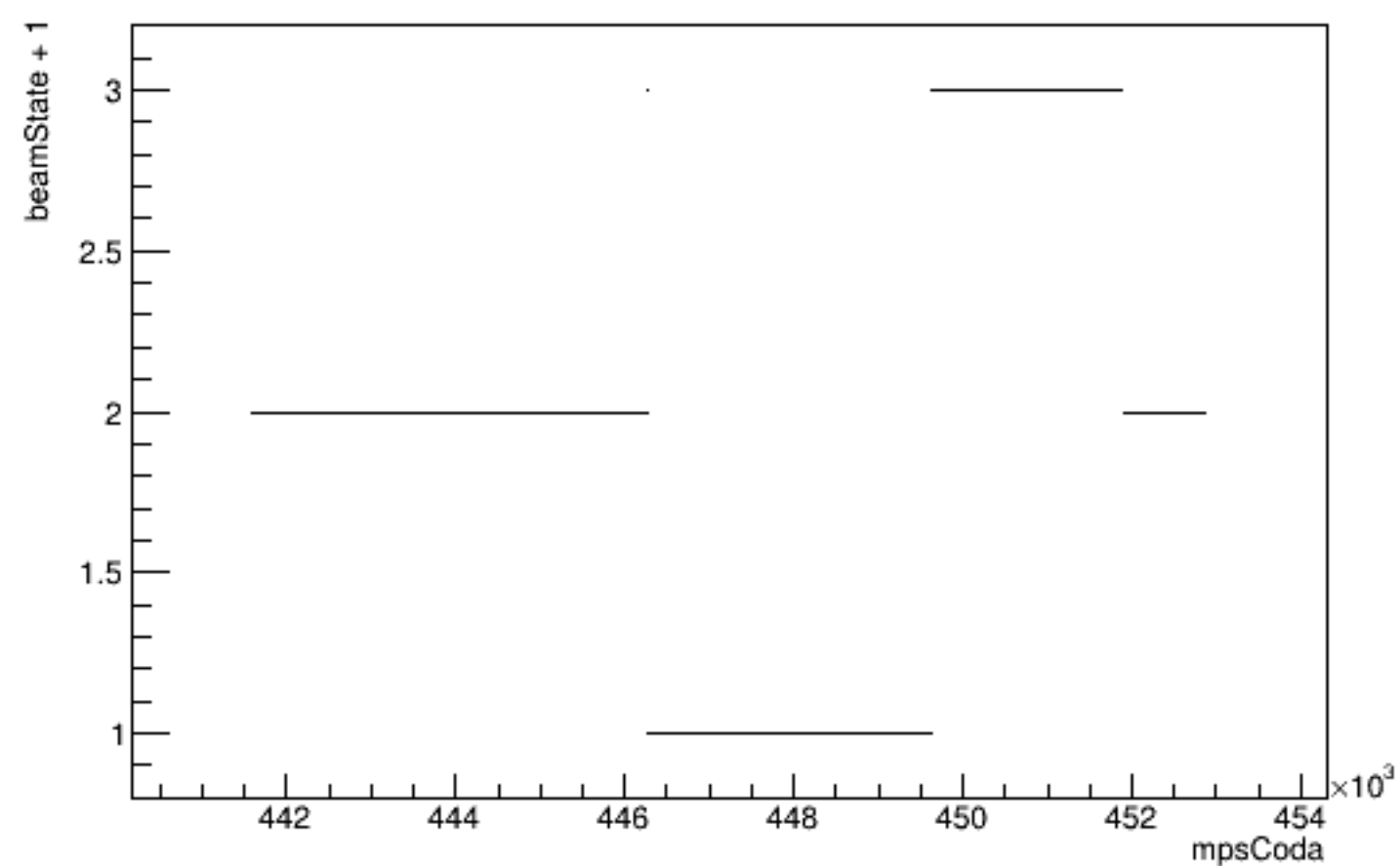
Acc0/NAcc0:mpsCoda (mpsCoda>=441584 && mpsCoda<=452875 && beamState==1)



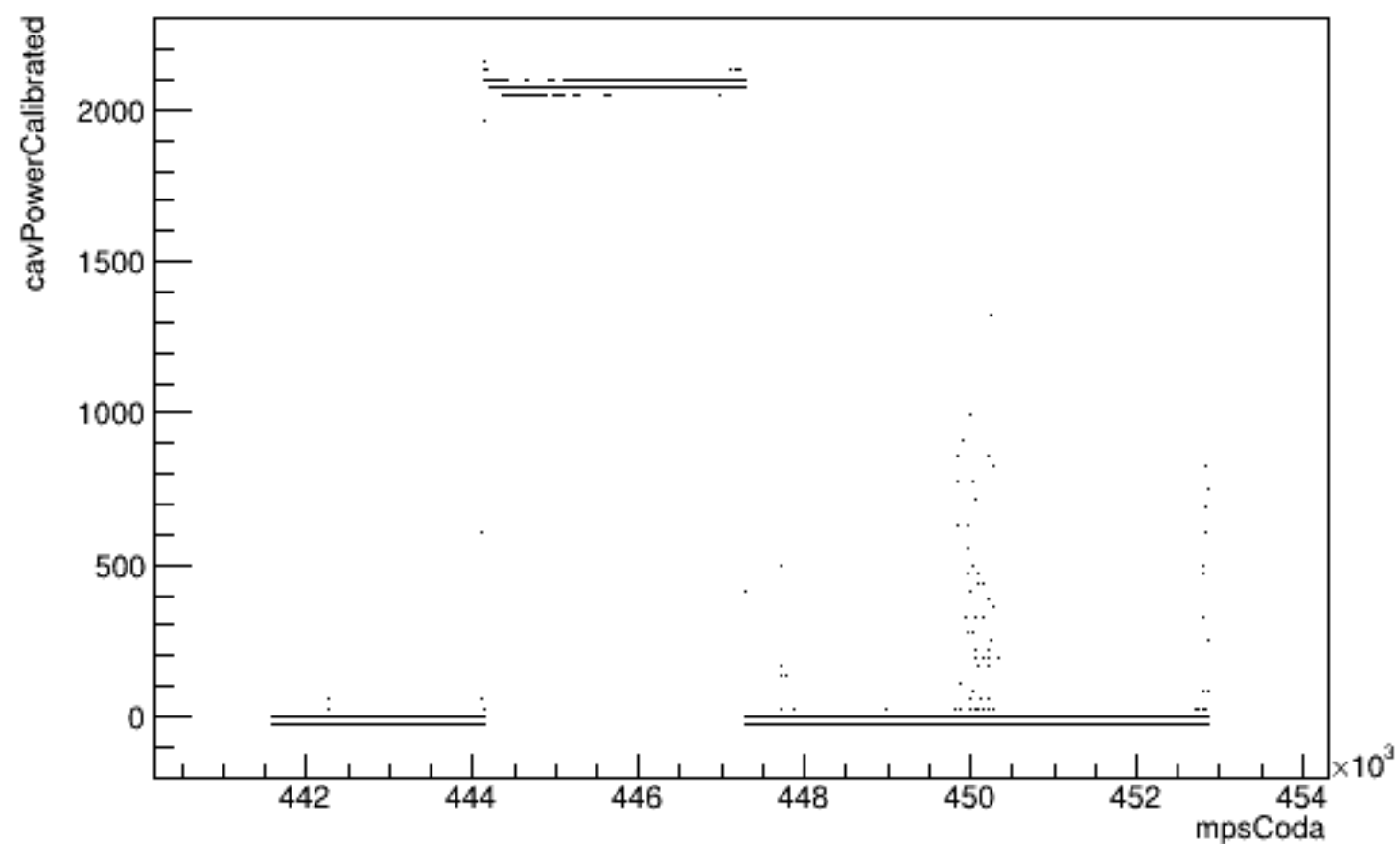
laserState:mpsCoda {mpsCoda>=441584 && mpsCoda<=452875}



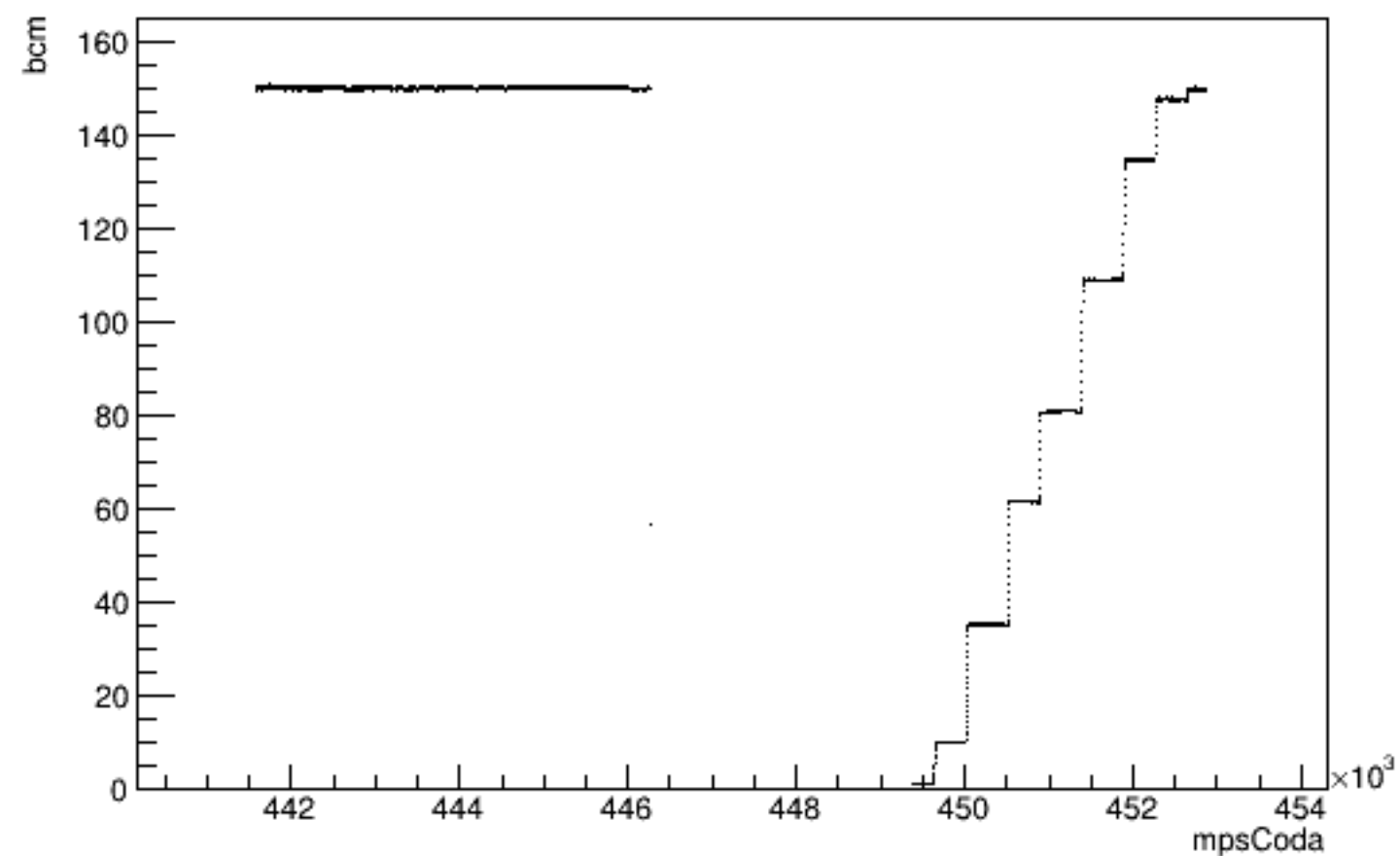
beamState + 1:mpsCoda {mpsCoda>=441584 && mpsCoda<=452875}



cavPowerCalibrated:mpsCoda {mpsCoda>=441584 && mpsCoda<=452875}



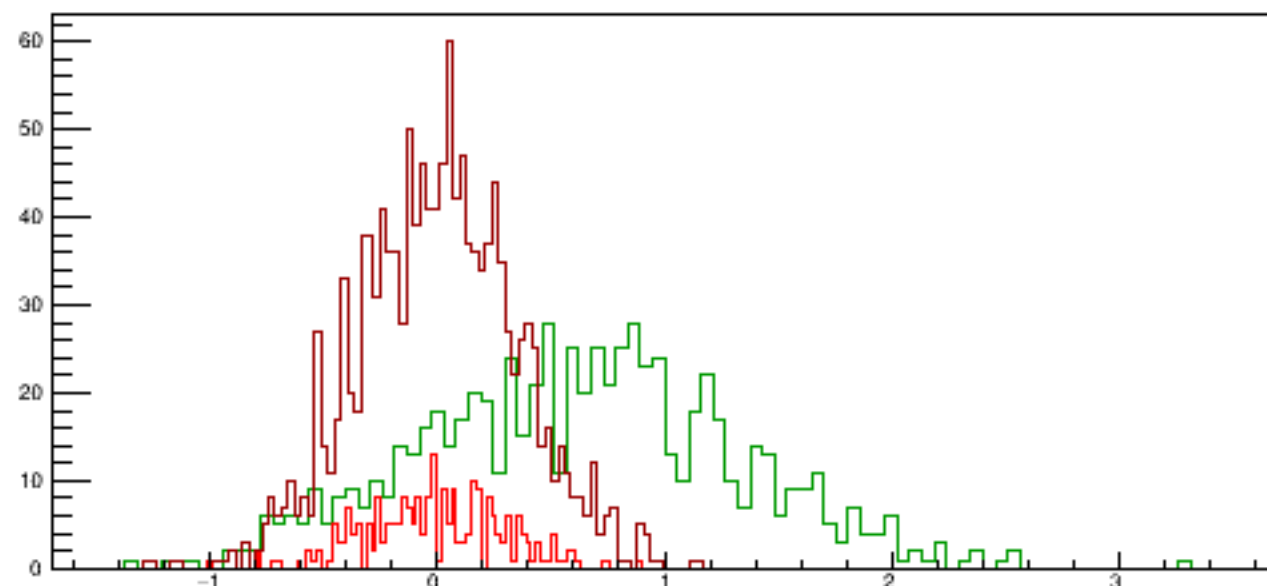
bcm:mpsCoda {mpsCoda>=441584 && mpsCoda<=452875}



Cycle 26, Diffs

Entries: 239	Entries: 722	Entries: 1352
Mean: -0.0056 +/- 0.0201	Mean: 0.6251 +/- 0.0259	Mean: 0.0024 +/- 0.0095
Std Dev: 0.3111 +/- 0.0142	Std Dev: 0.6965 +/- 0.0183	Std Dev: 0.3500 +/- 0.0067

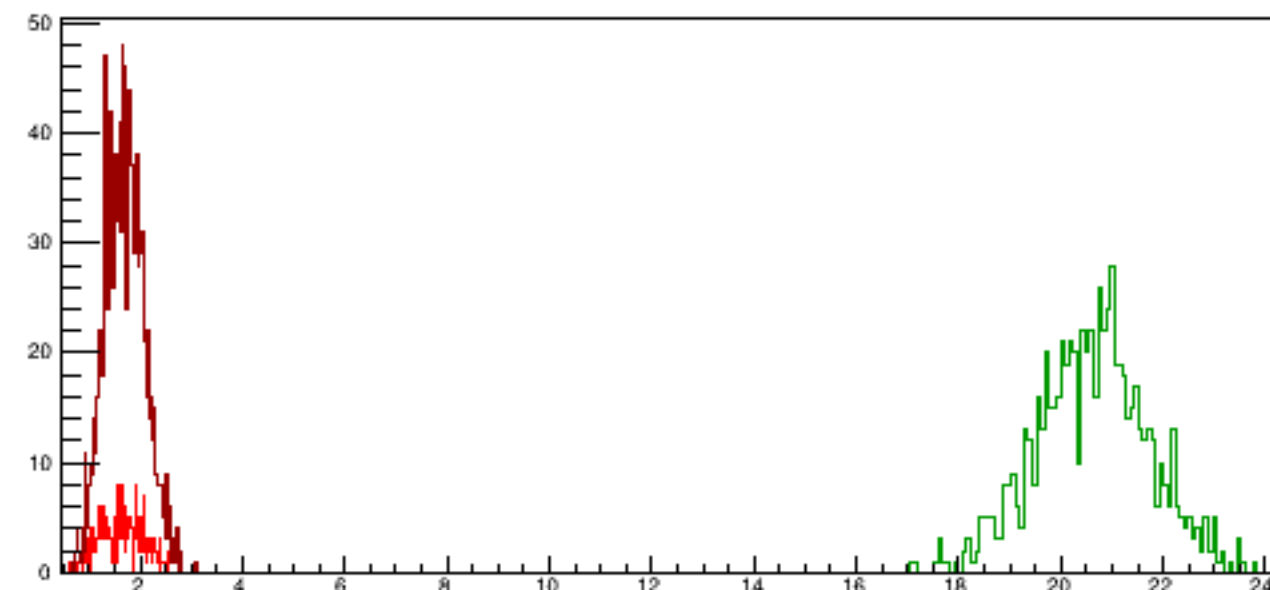
Run 5204 quartetwise, Diffs



Cycle 26, Sums

Entries: 239	Entries: 722	Entries: 1352
Mean: 1.6256 +/- 0.0269	Mean: 20.6107 +/- 0.0414	Mean: 1.6977 +/- 0.0104
Std Dev: 0.4161 +/- 0.0190	Std Dev: 1.1133 +/- 0.0293	Std Dev: 0.3839 +/- 0.0074

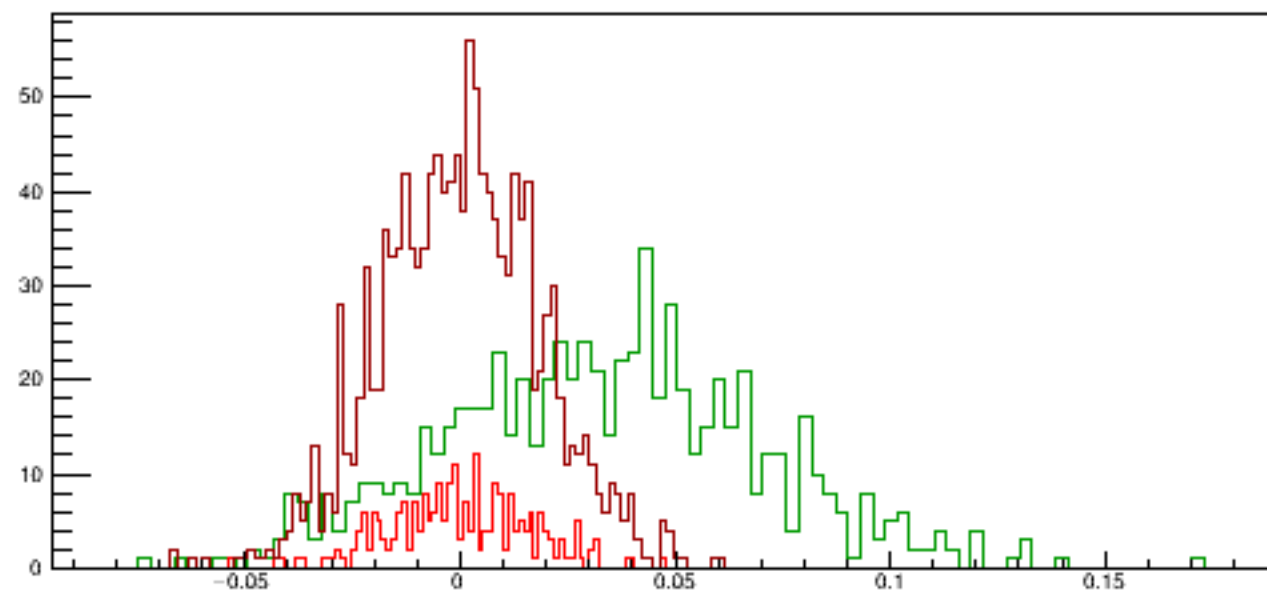
Run 5204 quartetwise, Sums



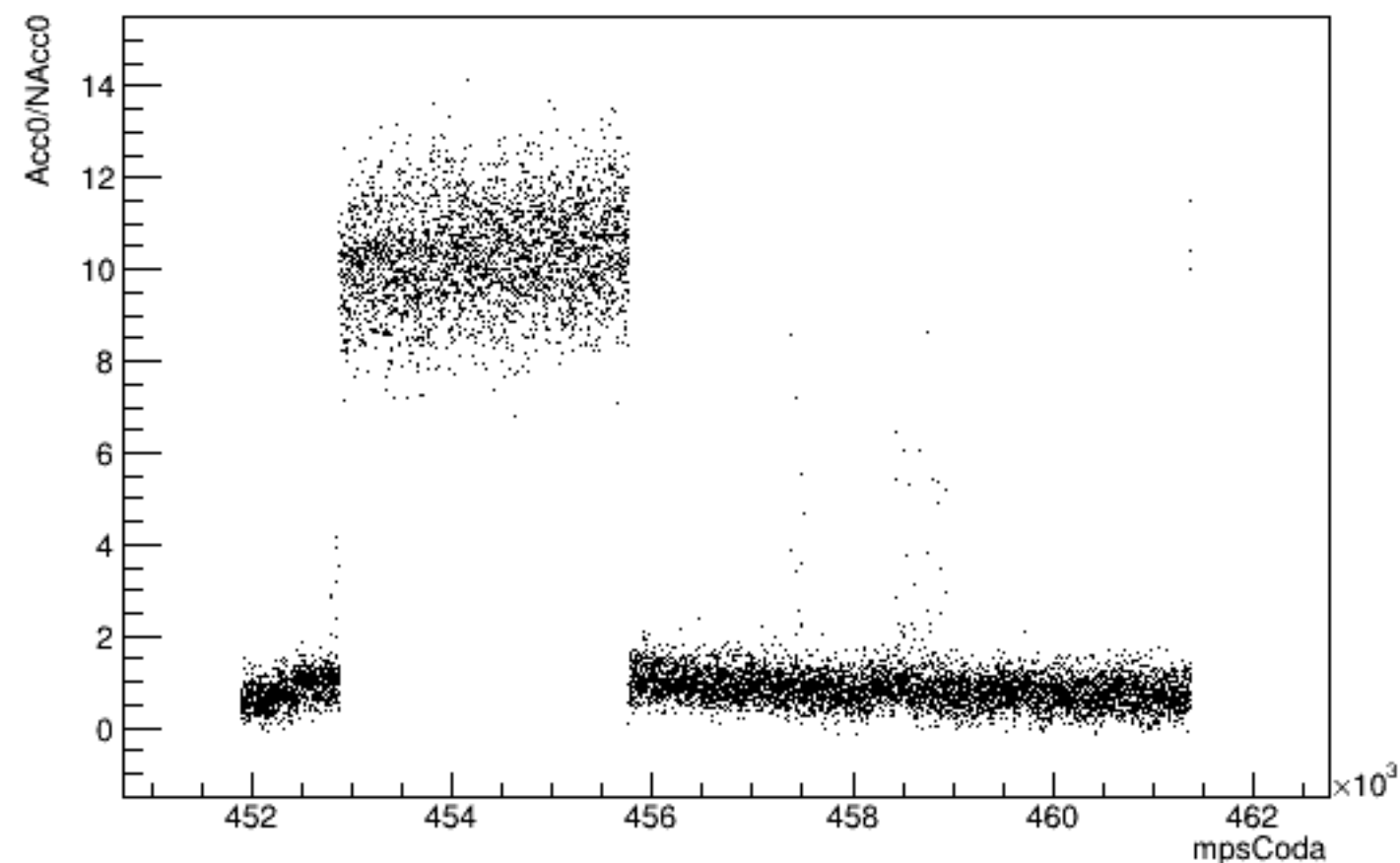
Cycle 26, Asyms

Entries: 239	Entries: 722	Entries: 1352
Mean: -0.0003 +/- 0.0011	Mean: 0.0330 +/- 0.0014	Mean: 0.0001 +/- 0.0005
Std Dev: 0.0164 +/- 0.0008	Std Dev: 0.0370 +/- 0.0010	Std Dev: 0.0185 +/- 0.0004

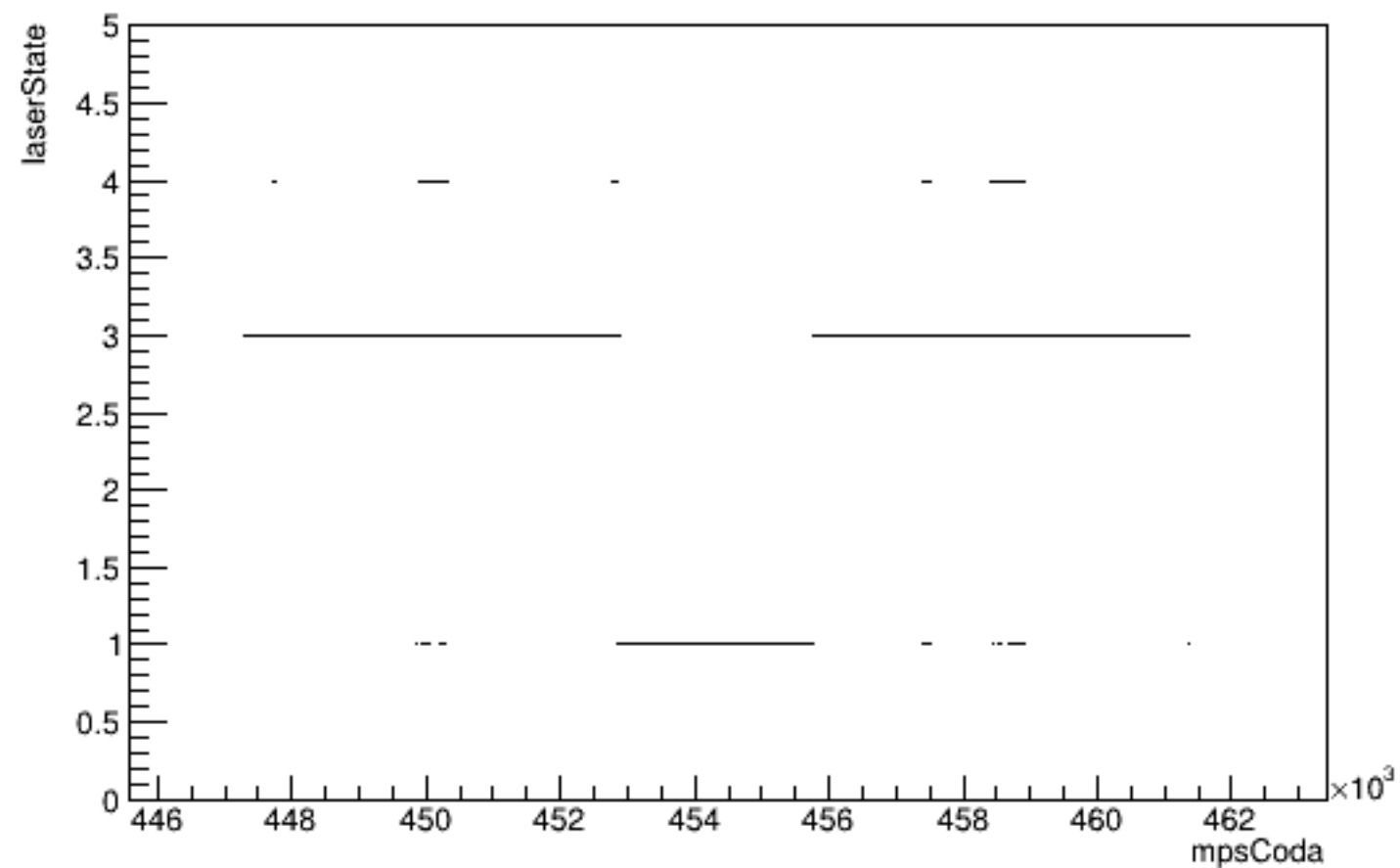
Run 5204 quartetwise, Asyms



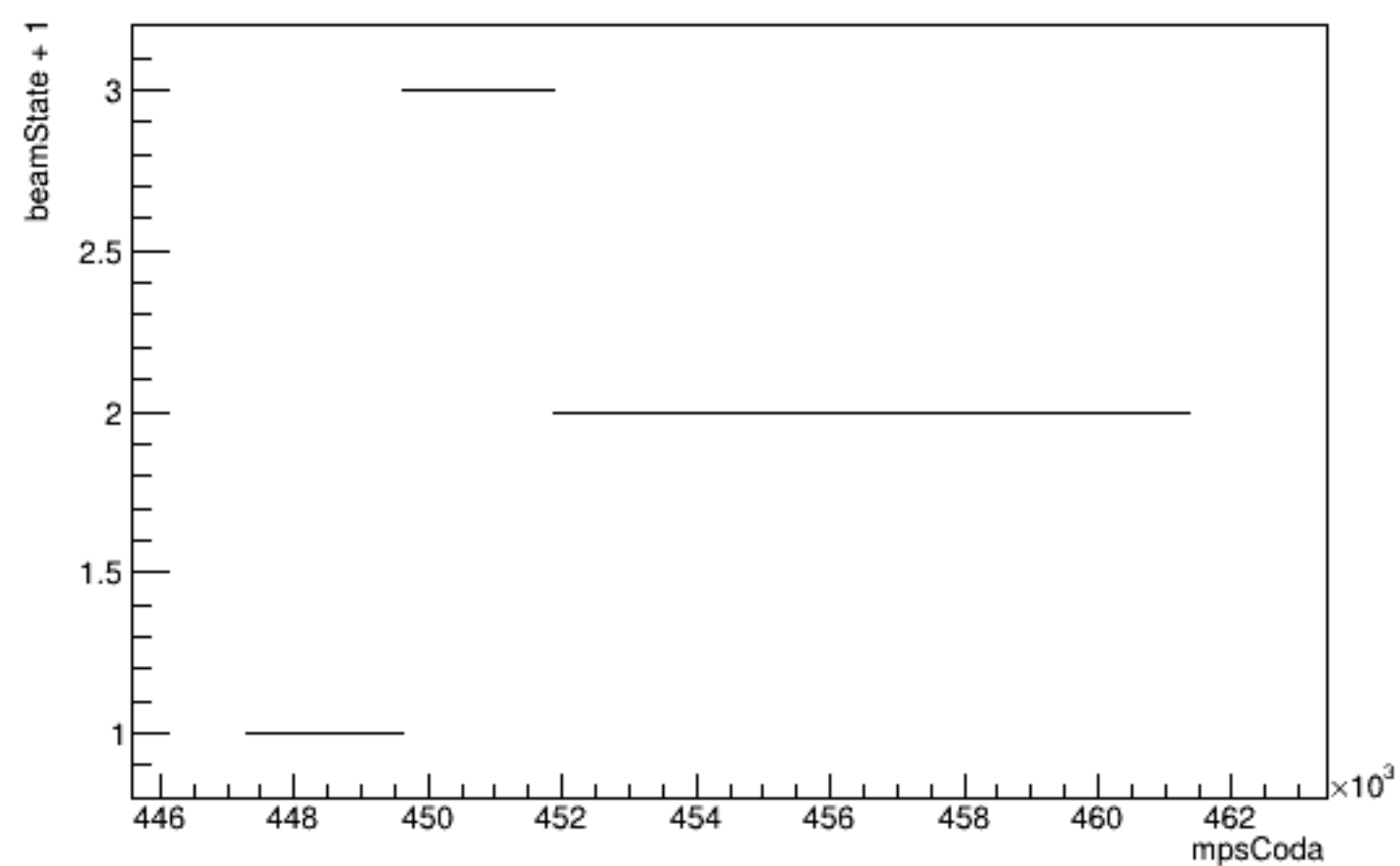
Acc0/NAcc0:mpsCoda (mpsCoda>=447284 && mpsCoda<=461379 && beamState==1)



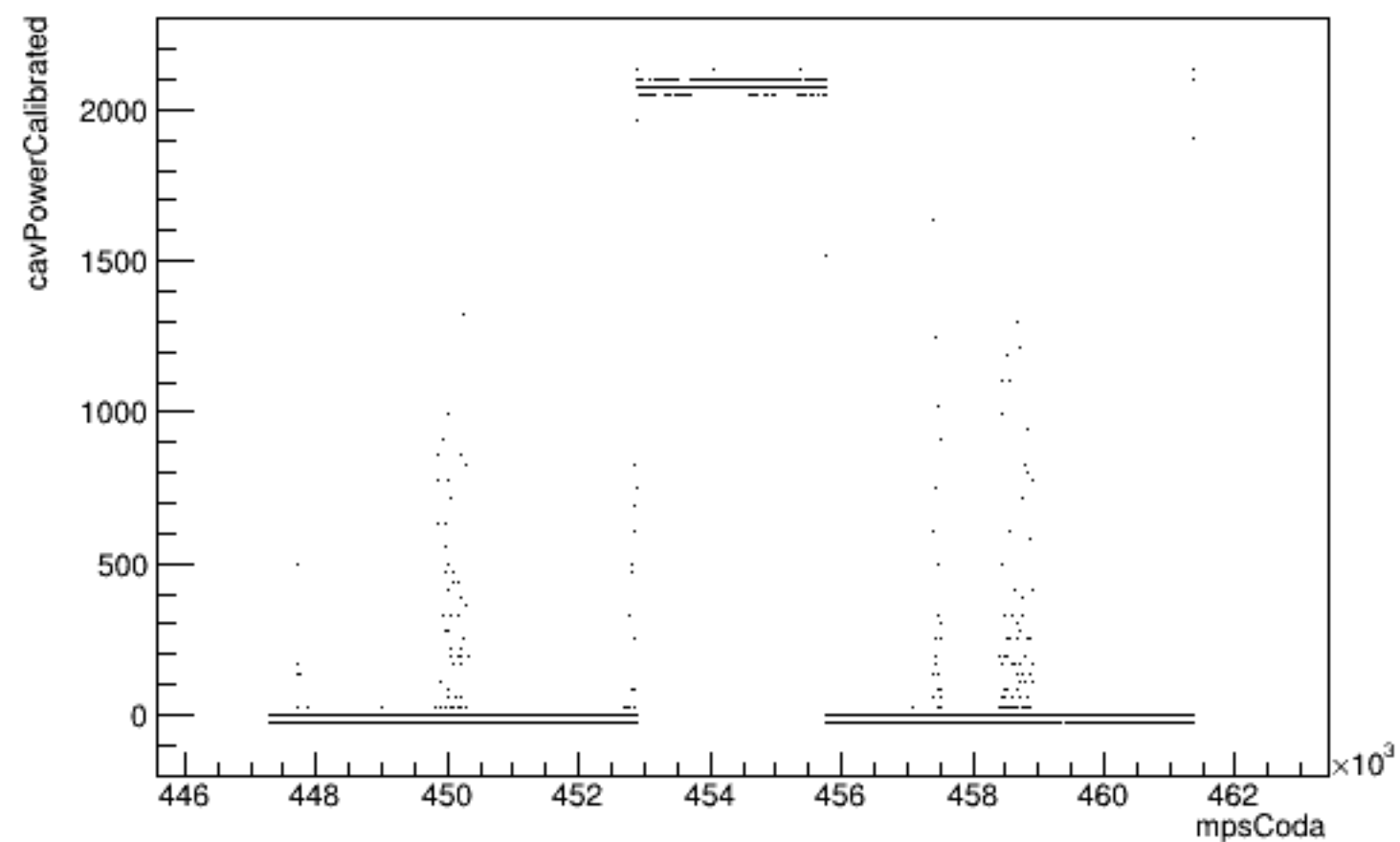
laserState:mpsCoda {mpsCoda>=447284 && mpsCoda<=461379}



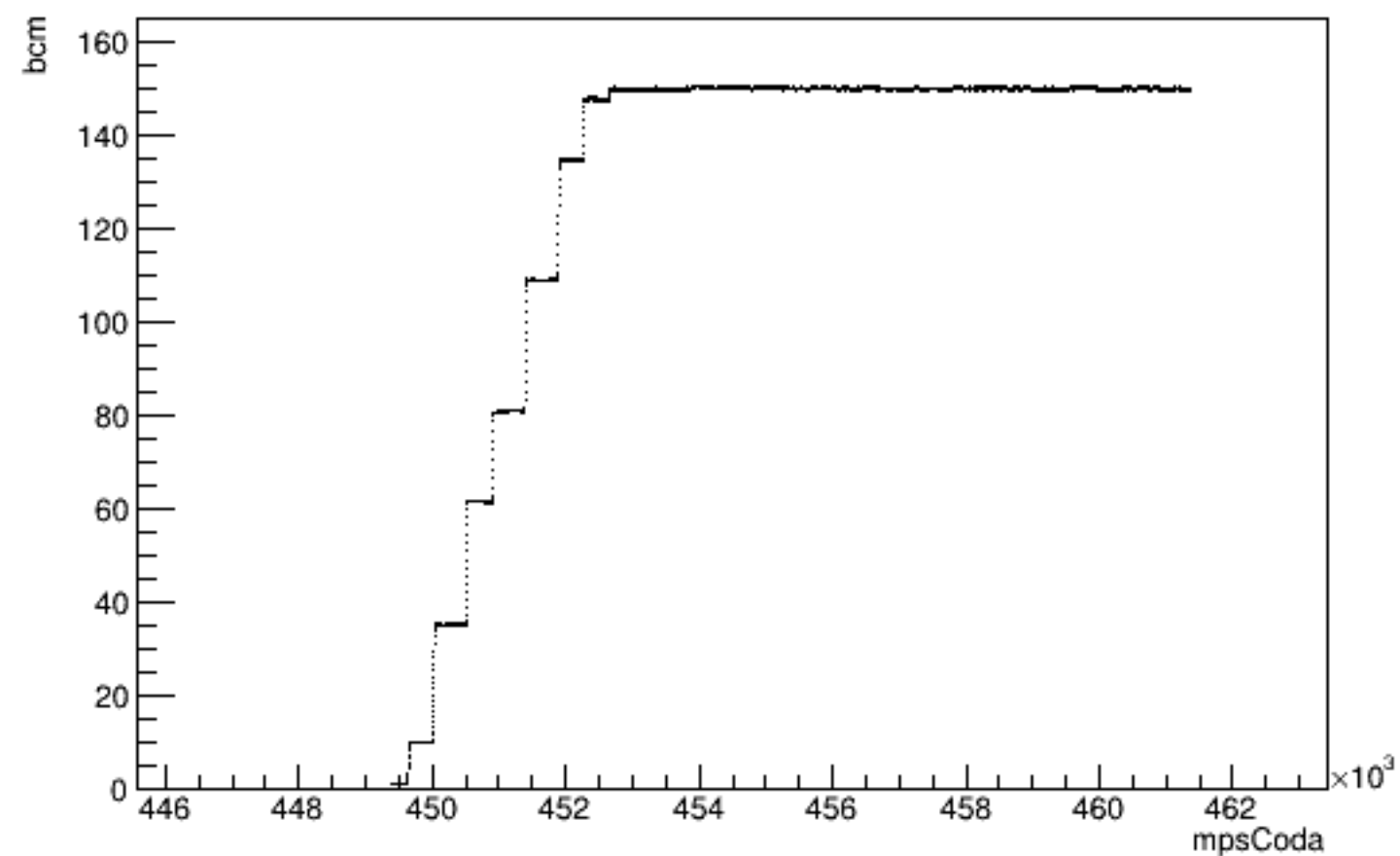
beamState + 1:mpsCoda {mpsCoda>=447284 && mpsCoda<=461379}



cavPowerCalibrated:mpsCoda {mpsCoda>=447284 && mpsCoda<=461379}



bcm:mpsCoda {mpsCoda>=447284 && mpsCoda<=461379}



Cycle 27, Diffs

Entries: 1352

Mean: 0.0024 +/- 0.0095

Std Dev: 0.3500 +/- 0.0067

Entries: 479

Mean: 0.6217 +/- 0.0323

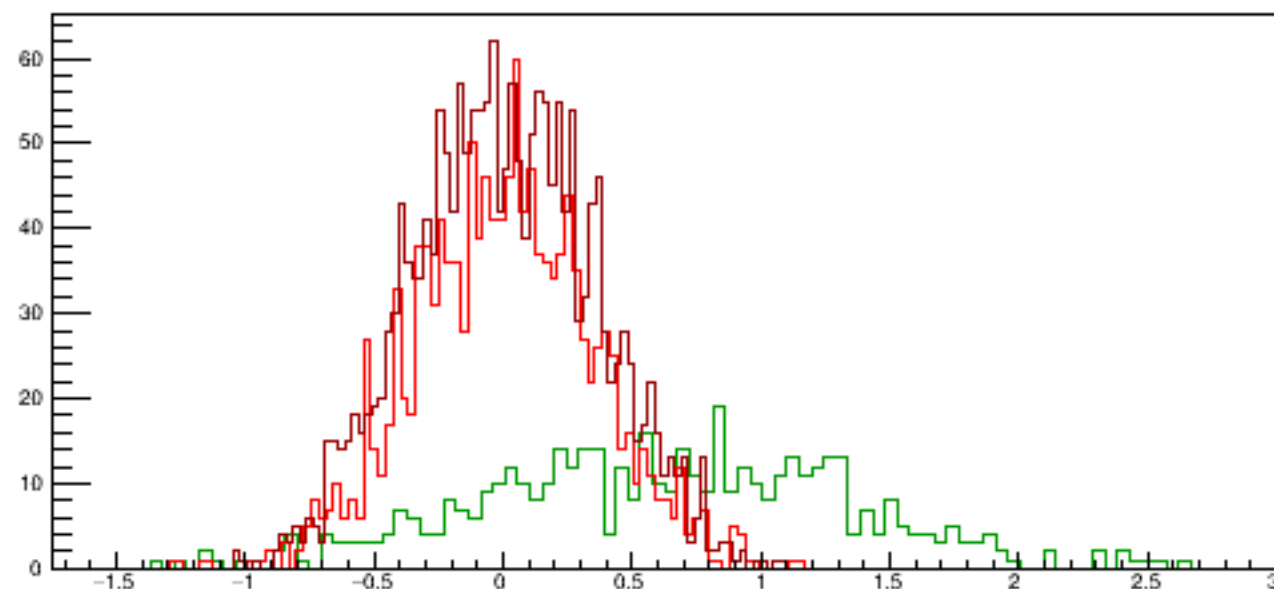
Std Dev: 0.7073 +/- 0.0229

Entries: 1968

Mean: 0.0038 +/- 0.0080

Std Dev: 0.3536 +/- 0.0056

Run 5204 quartetwise, Diffs



Cycle 27, Sums

Entries: 1352

Mean: 1.6977 +/- 0.0104

Std Dev: 0.3839 +/- 0.0074

Entries: 479

Mean: 21.0717 +/- 0.0469

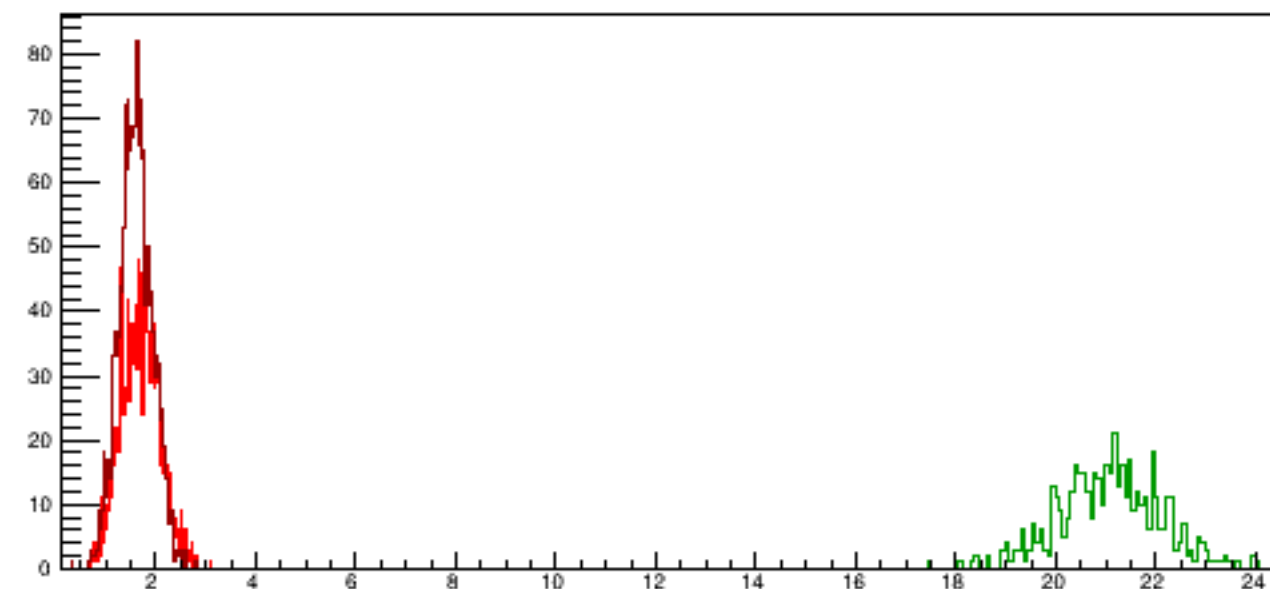
Std Dev: 1.0275 +/- 0.0332

Entries: 1968

Mean: 1.5952 +/- 0.0074

Std Dev: 0.3294 +/- 0.0053

Run 5204 quartetwise, Sums



Cycle 27, Asyms

Entries: 1352

Mean: 0.0001 +/- 0.0005

Std Dev: 0.0180 +/- 0.0003

Entries: 479

Mean: 0.0320 +/- 0.0017

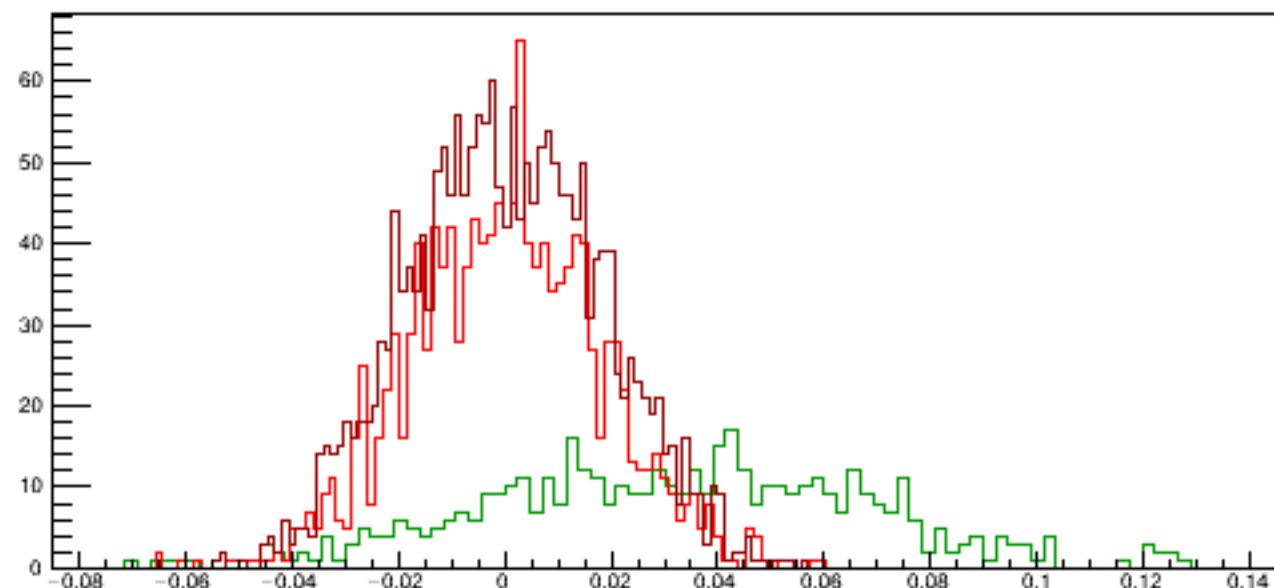
Std Dev: 0.0364 +/- 0.0012

Entries: 1968

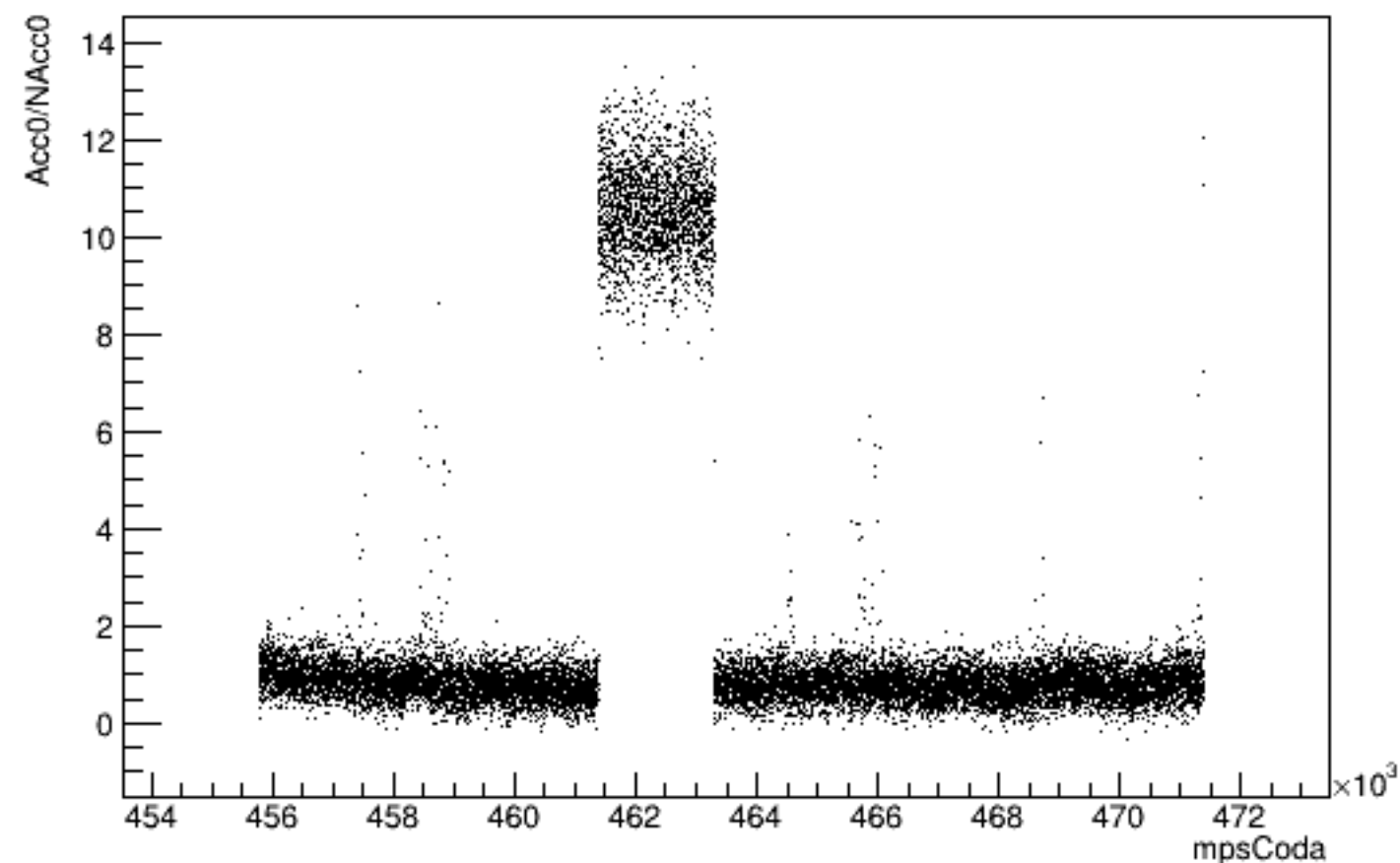
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0182 +/- 0.0003

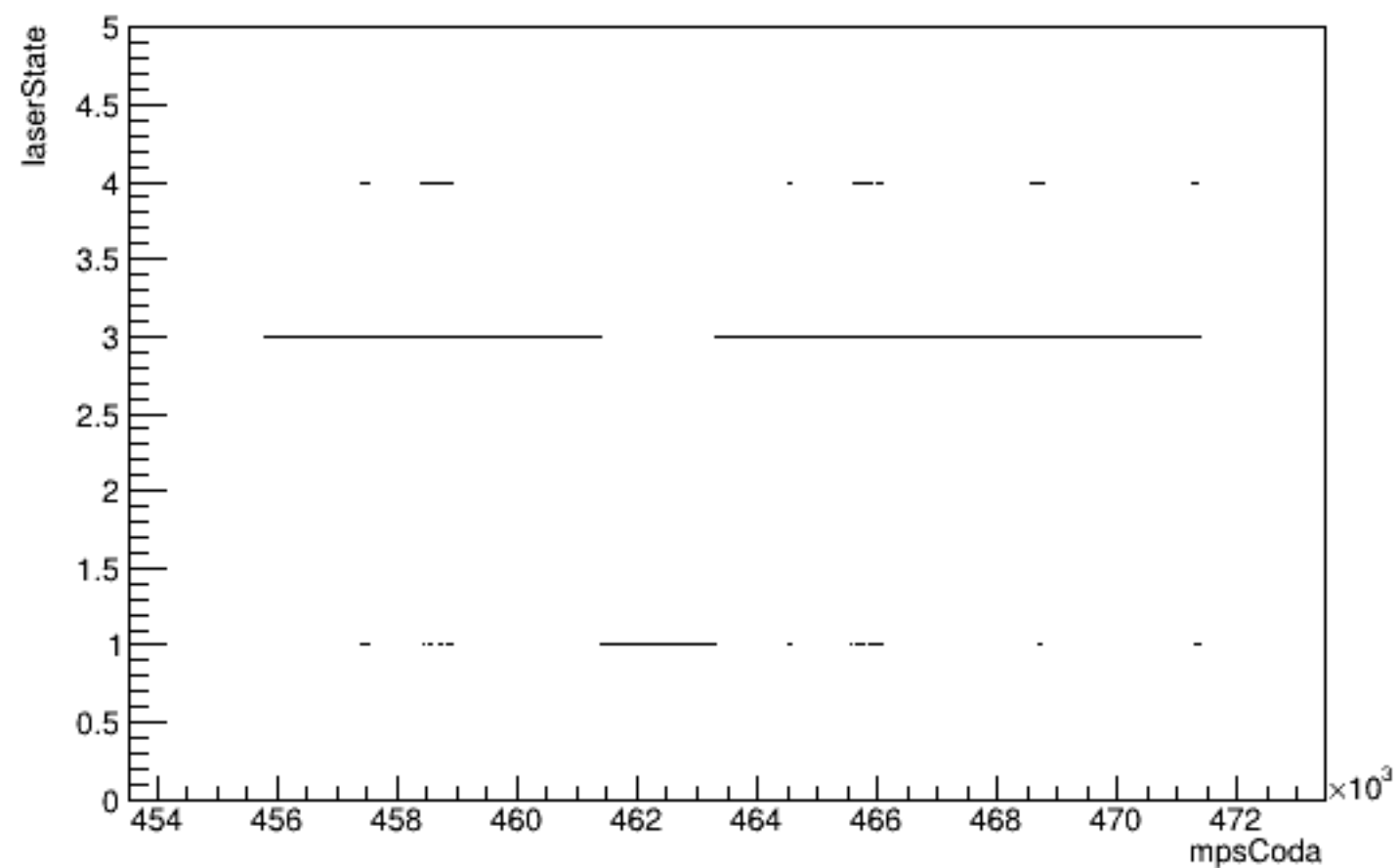
Run 5204 quartetwise, Asyms



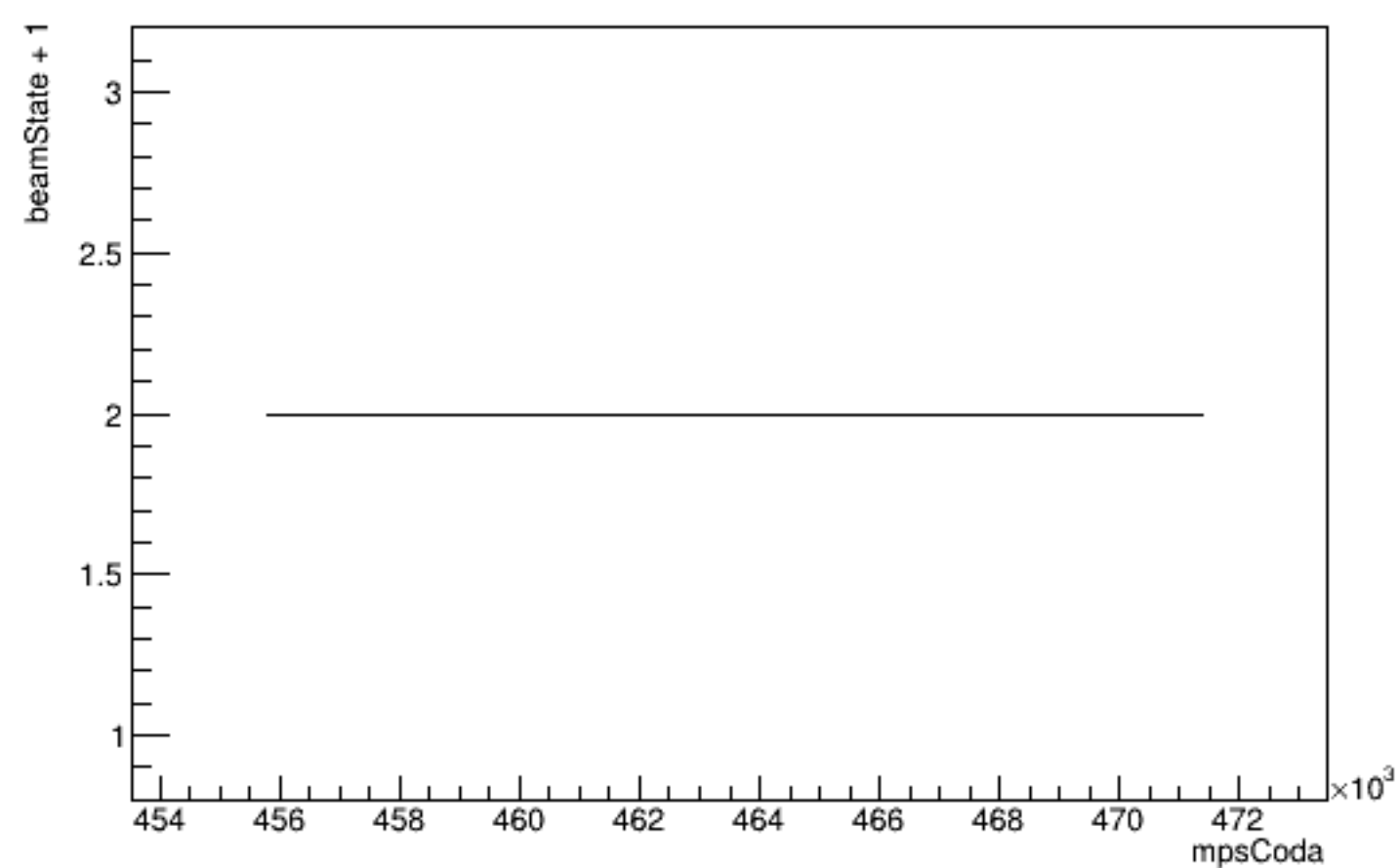
Acc0/NAcc0:mpsCoda (mpsCoda>=455768 && mpsCoda<=471391 && beamState==1)



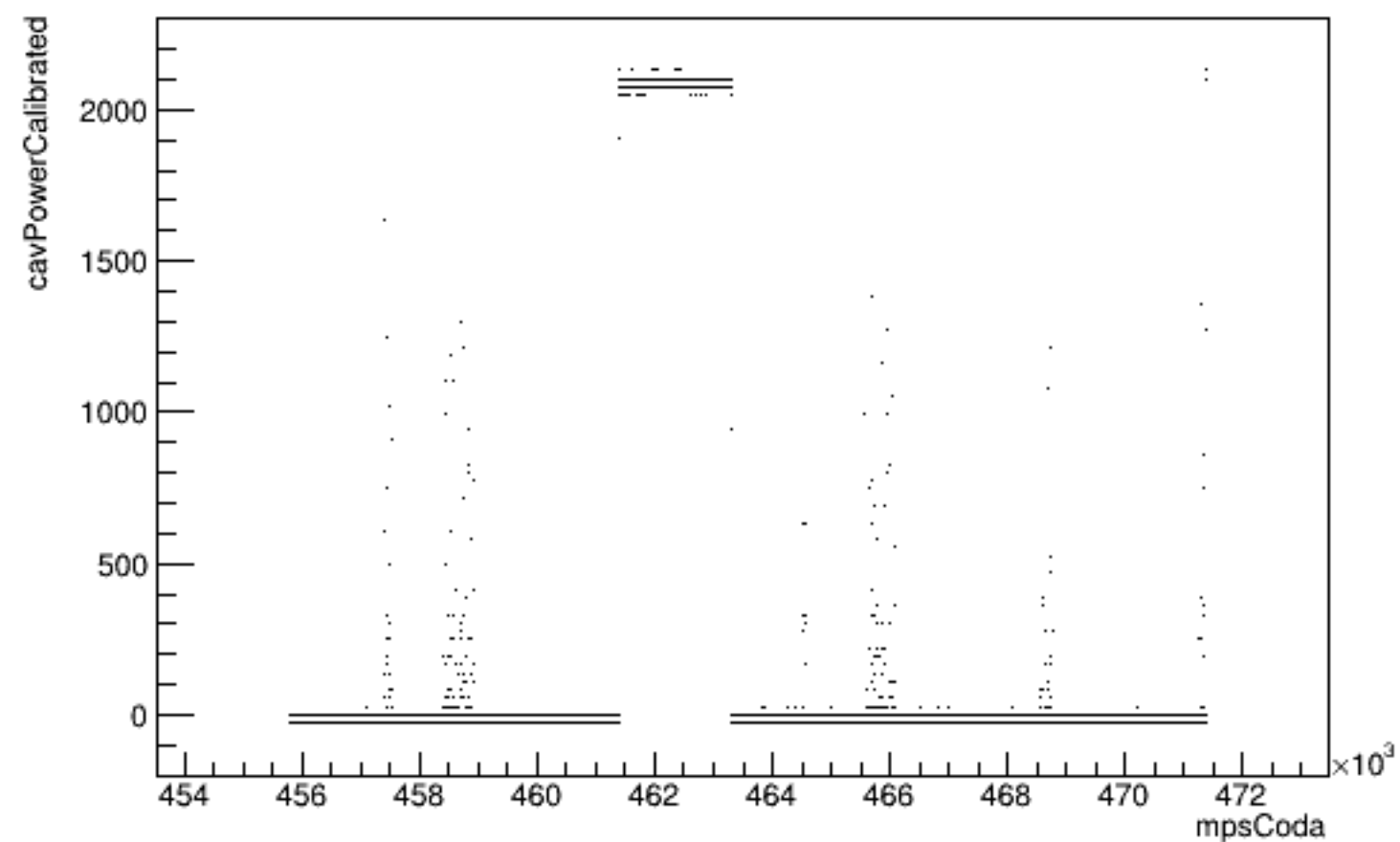
laserState:mpsCoda {mpsCoda>=455768 && mpsCoda<=471391}



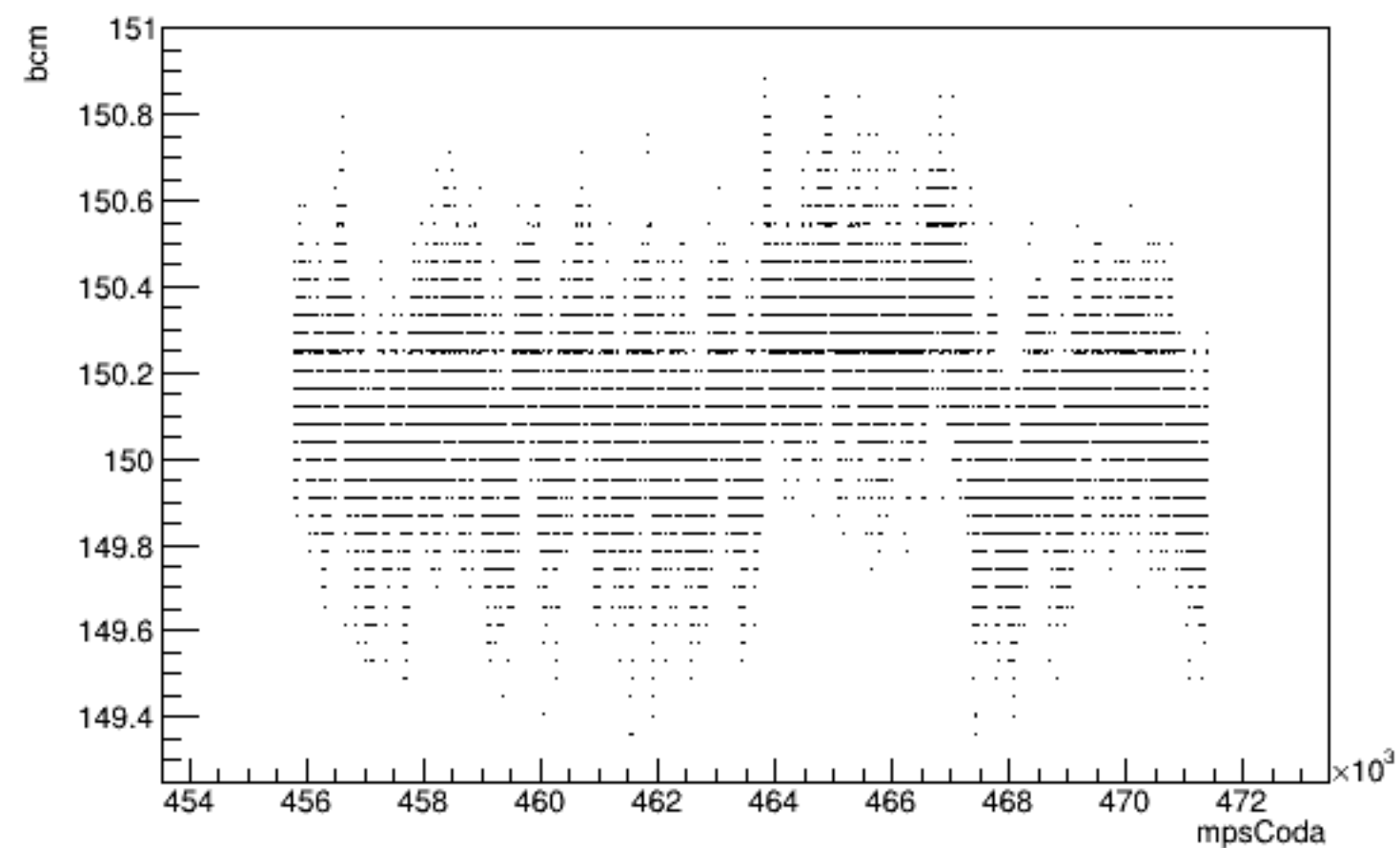
beamState + 1:mpsCoda {mpsCoda>=455768 && mpsCoda<=471391}



cavPowerCalibrated:mpsCoda {mpsCoda>=455768 && mpsCoda<=471391}



bcm:mpsCoda {mpsCoda>=455768 && mpsCoda<=471391}



Cycle 28, Diffs

Entries: 1968

Mean: 0.0038 +/- 0.0080

Std Dev: 0.3536 +/- 0.0056

Entries: 726

Mean: 0.6205 +/- 0.0261

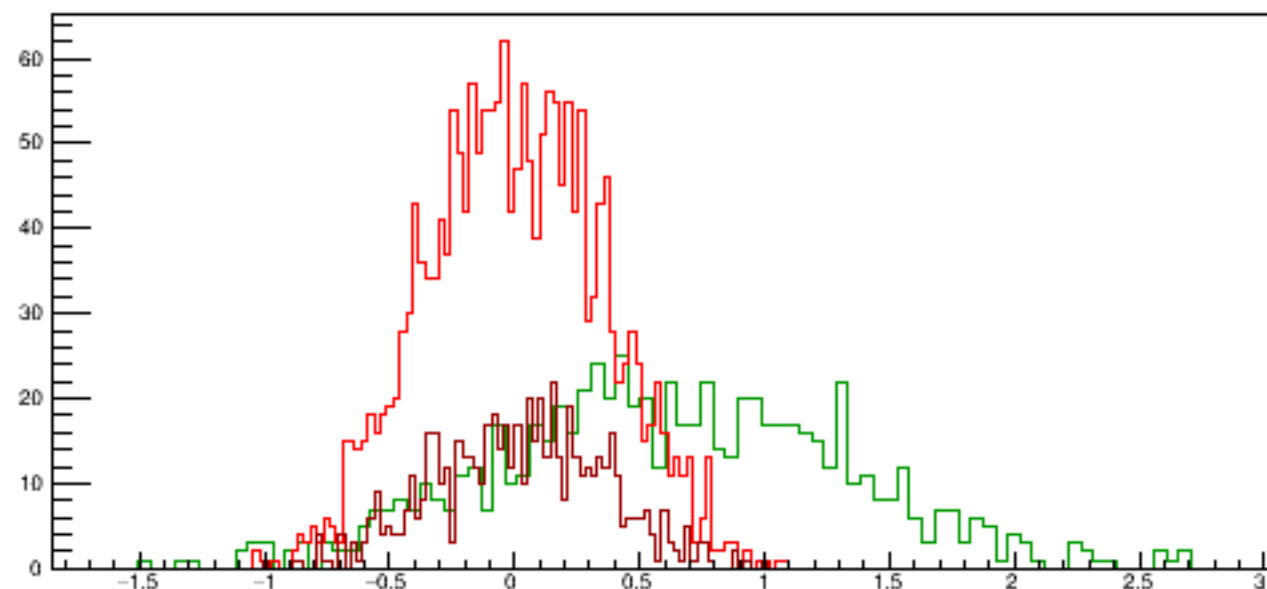
Std Dev: 0.7024 +/- 0.0184

Entries: 603

Mean: 0.0209 +/- 0.0139

Std Dev: 0.3408 +/- 0.0098

Run 5204 quartetwise, Diffs



Cycle 28, Sums

Entries: 1968

Mean: 1.5952 +/- 0.0074

Std Dev: 0.3294 +/- 0.0053

Entries: 726

Mean: 21.6104 +/- 0.0354

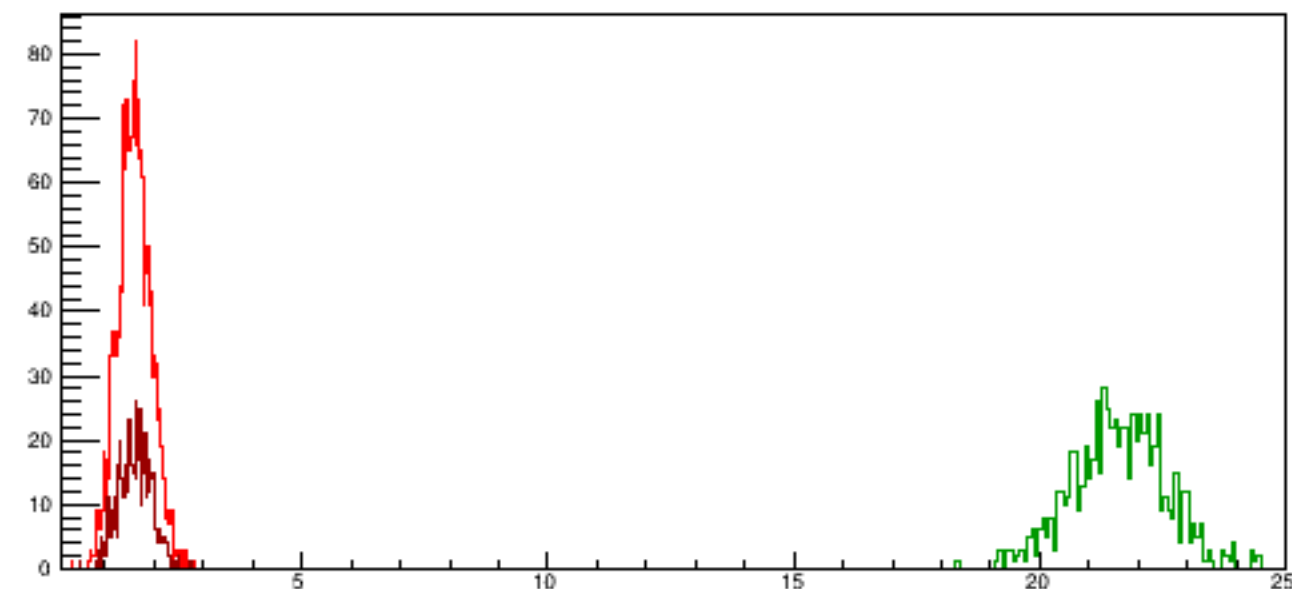
Std Dev: 0.9536 +/- 0.0250

Entries: 603

Mean: 1.6050 +/- 0.0133

Std Dev: 0.3274 +/- 0.0094

Run 5204 quartetwise, Sums



Cycle 28, Asyms

Entries: 1968

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0177 +/- 0.0003

Entries: 726

Mean: 0.0309 +/- 0.0013

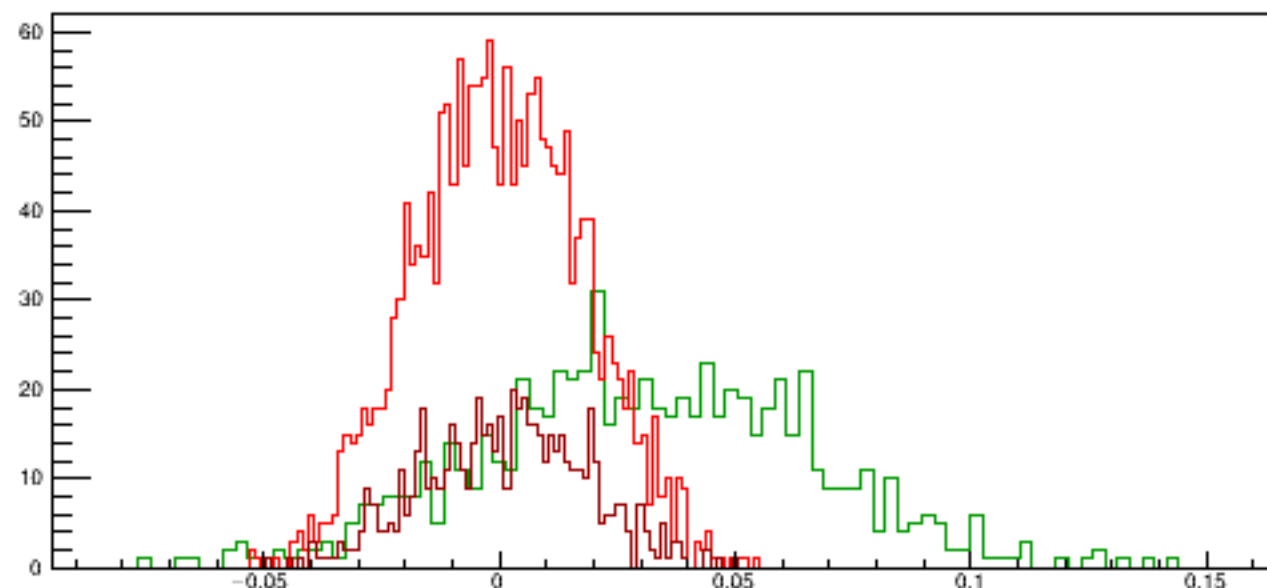
Std Dev: 0.0352 +/- 0.0009

Entries: 603

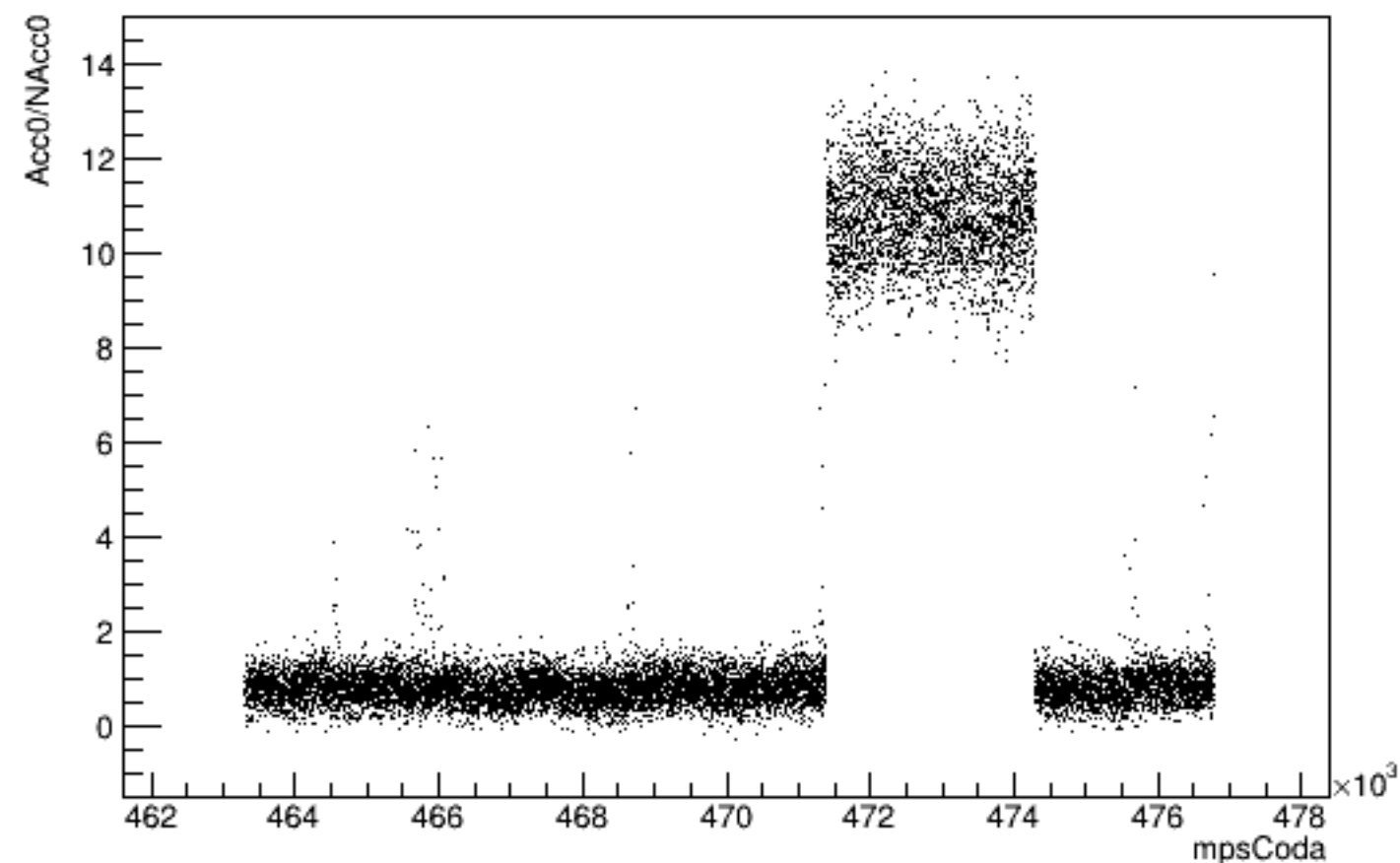
Mean: 0.0010 +/- 0.0007

Std Dev: 0.0170 +/- 0.0005

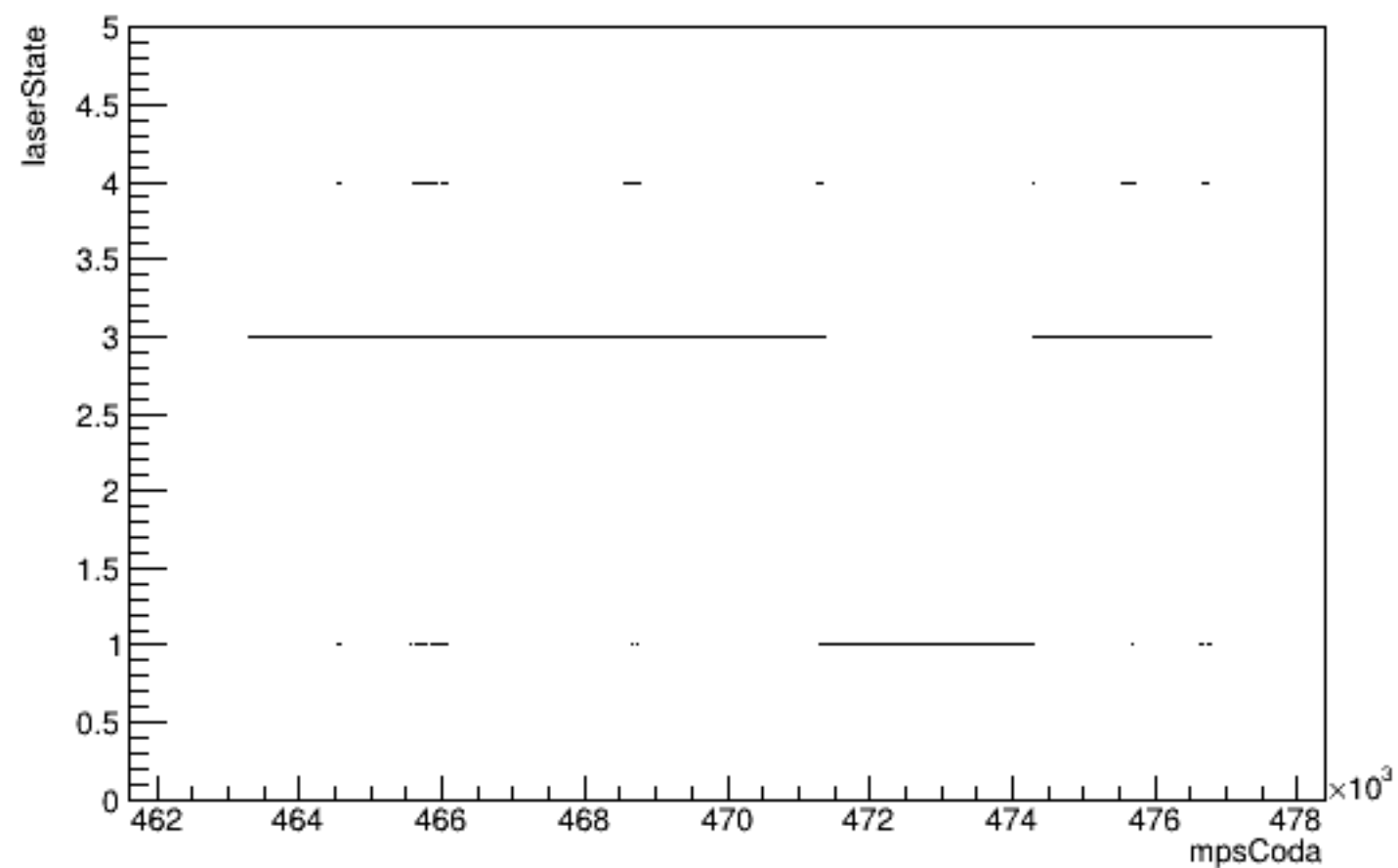
Run 5204 quartetwise, Asyms



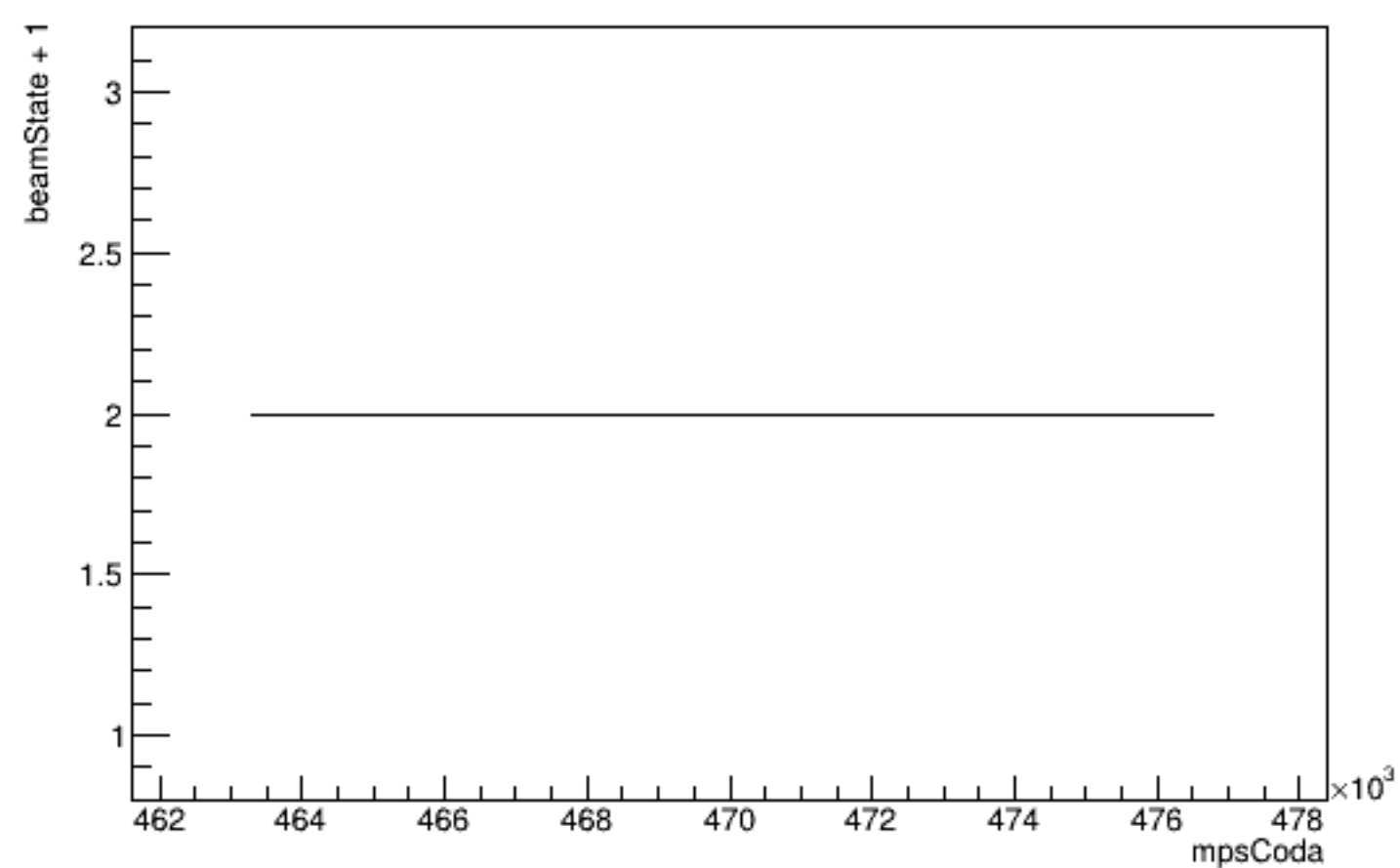
Acc0/NAcc0:mpsCoda (mpsCoda>=463300 && mpsCoda<=476779 && beamState==1)



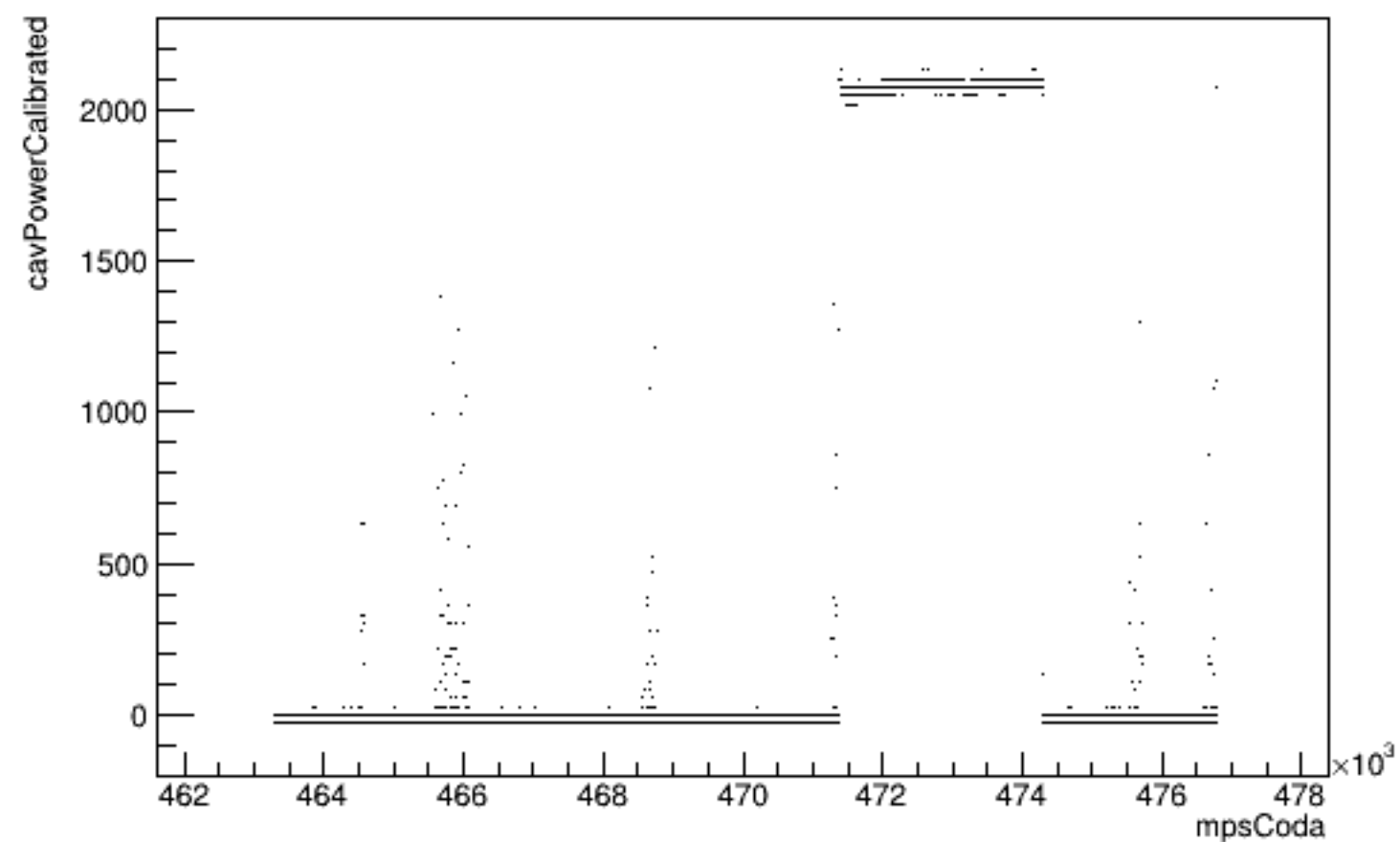
laserState:mpsCoda {mpsCoda>=463300 && mpsCoda<=476779}



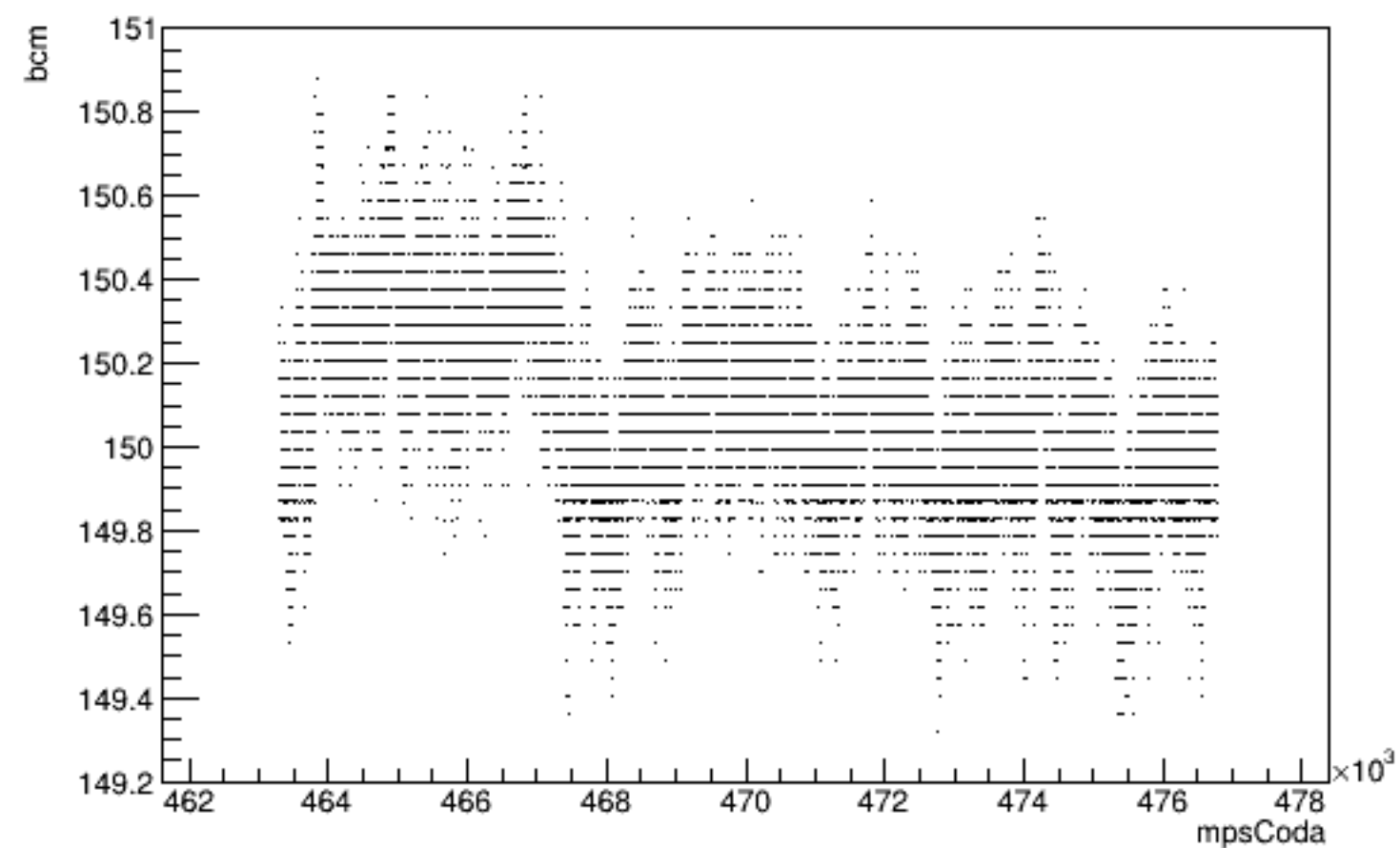
beamState + 1:mpsCoda {mpsCoda>=463300 && mpsCoda<=476779}



cavPowerCalibrated:mpsCoda {mpsCoda>=463300 && mpsCoda<=476779}



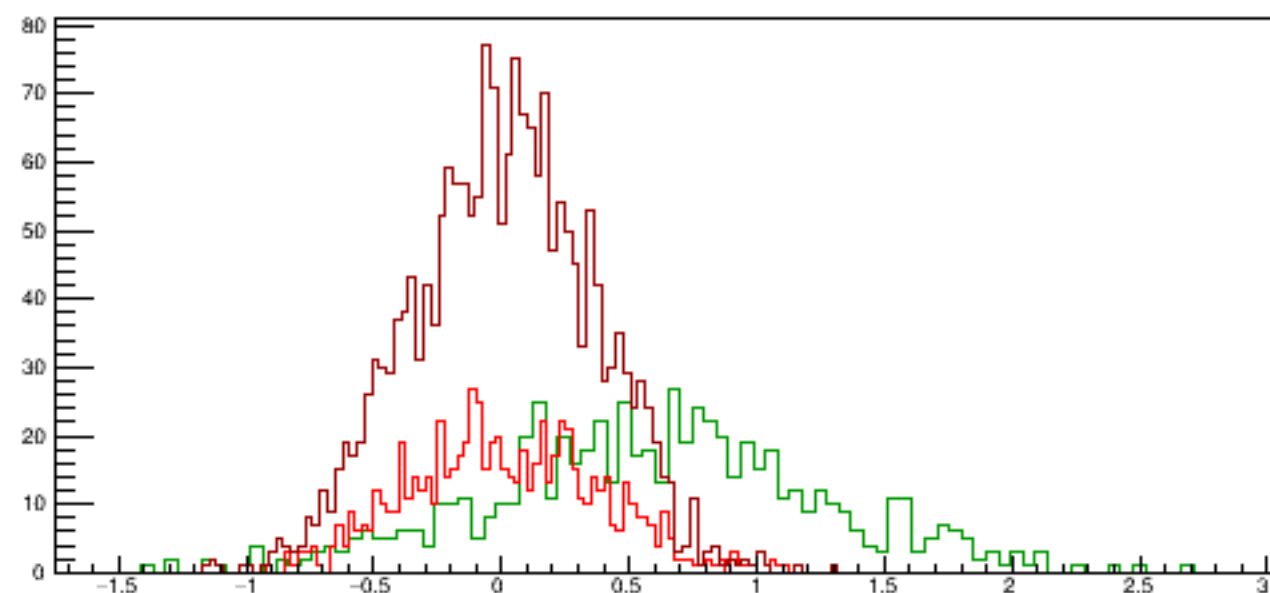
bcm:mpsCoda {mpsCoda>=463300 && mpsCoda<=476779}



Cycle 29, Diffs

Entries: 732	Entries: 664	Entries: 2009
Mean: 0.0122 +/- 0.0138	Mean: 0.5926 +/- 0.0256	Mean: 0.0039 +/- 0.0079
Std Dev: 0.3728 +/- 0.0097	Std Dev: 0.6608 +/- 0.0181	Std Dev: 0.3555 +/- 0.0056

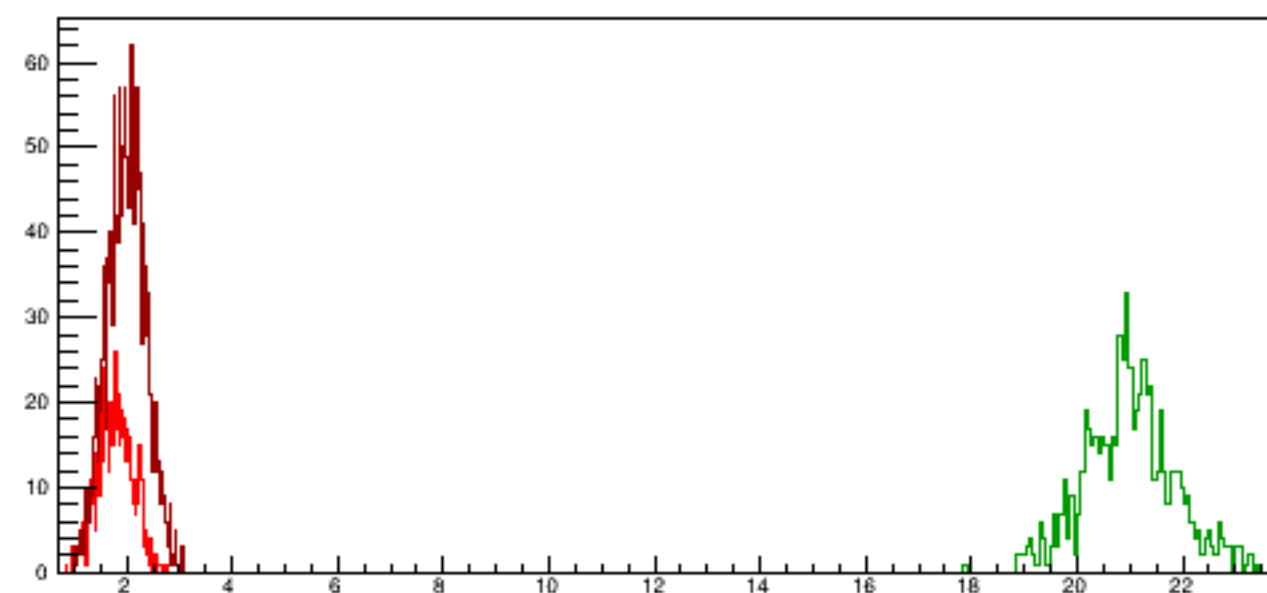
Run 5204 quartetwise, Diffs



Cycle 29, Sums

Entries: 732	Entries: 664	Entries: 2009
Mean: 1.7883 +/- 0.0122	Mean: 20.9922 +/- 0.0333	Mean: 1.9970 +/- 0.0080
Std Dev: 0.3288 +/- 0.0086	Std Dev: 0.8571 +/- 0.0235	Std Dev: 0.3579 +/- 0.0056

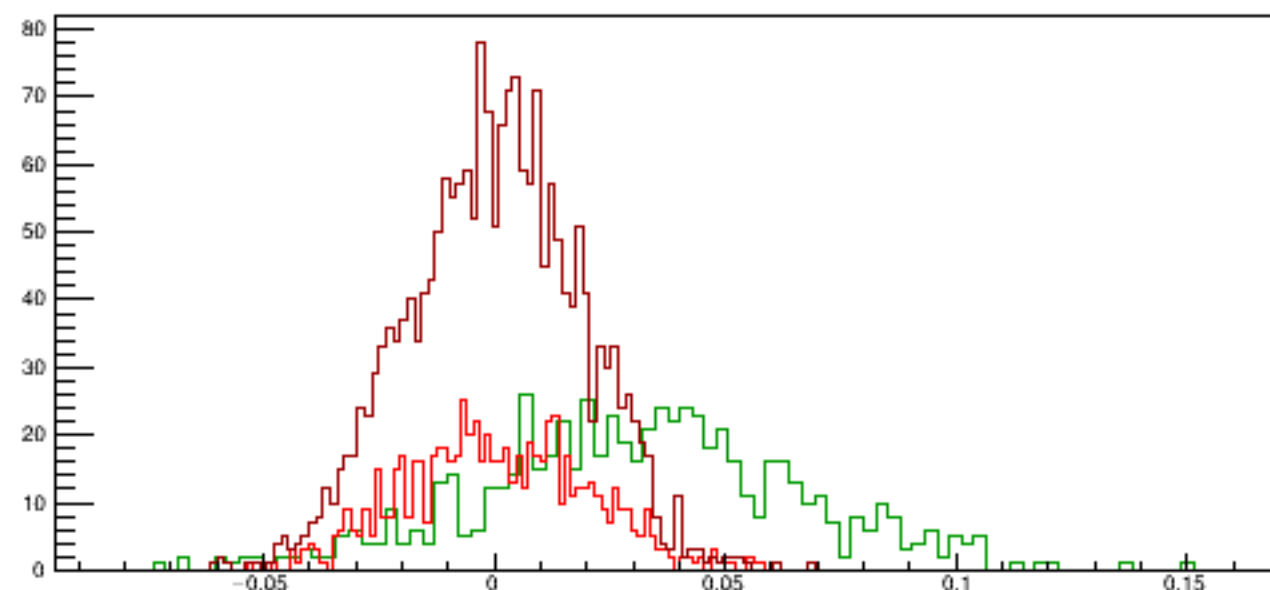
Run 5204 quartetwise, Sums



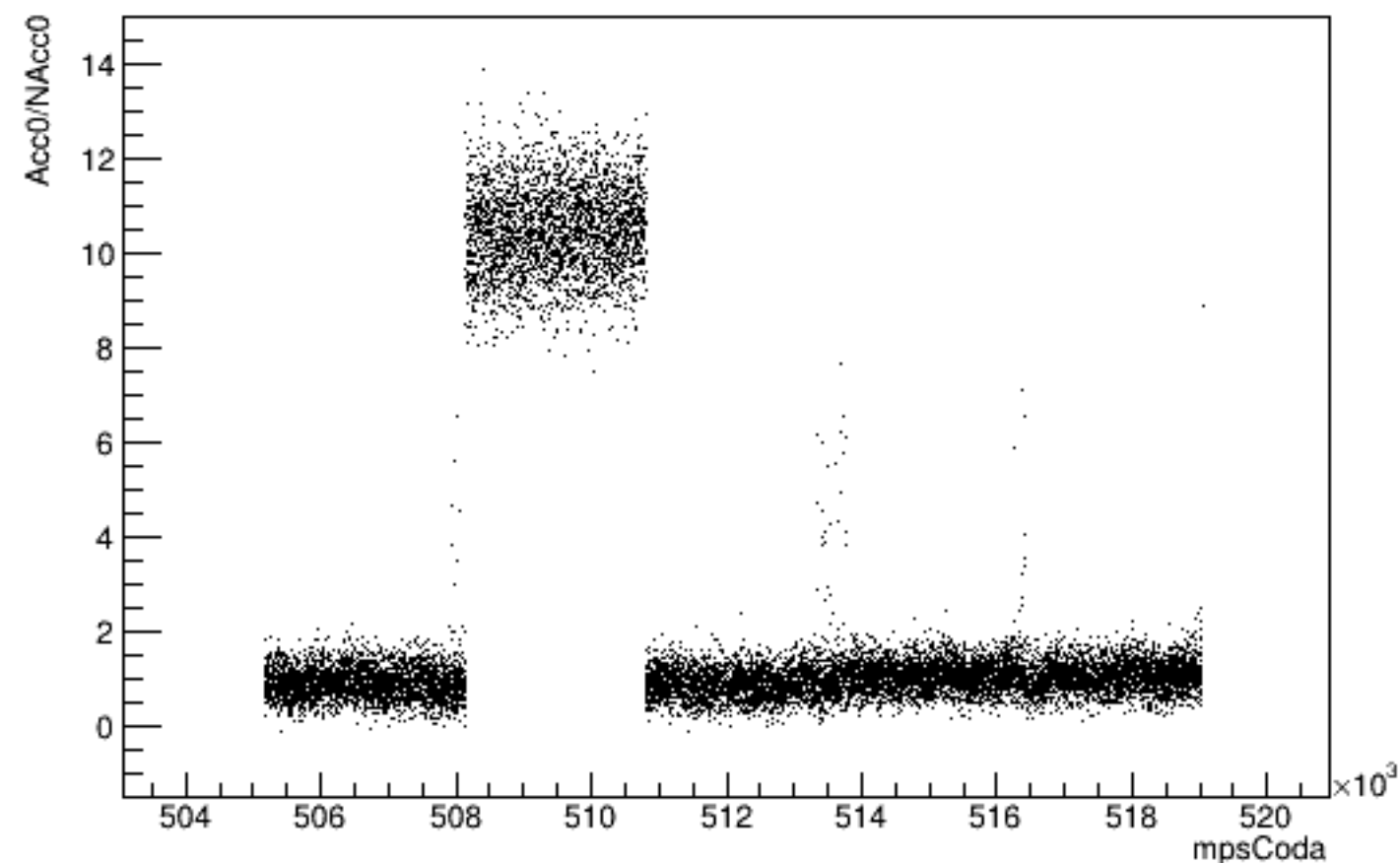
Cycle 29, Asyms

Entries: 732	Entries: 664	Entries: 2009
Mean: 0.0006 +/- 0.0007	Mean: 0.0310 +/- 0.0013	Mean: 0.0002 +/- 0.0004
Std Dev: 0.0195 +/- 0.0005	Std Dev: 0.0346 +/- 0.0010	Std Dev: 0.0186 +/- 0.0003

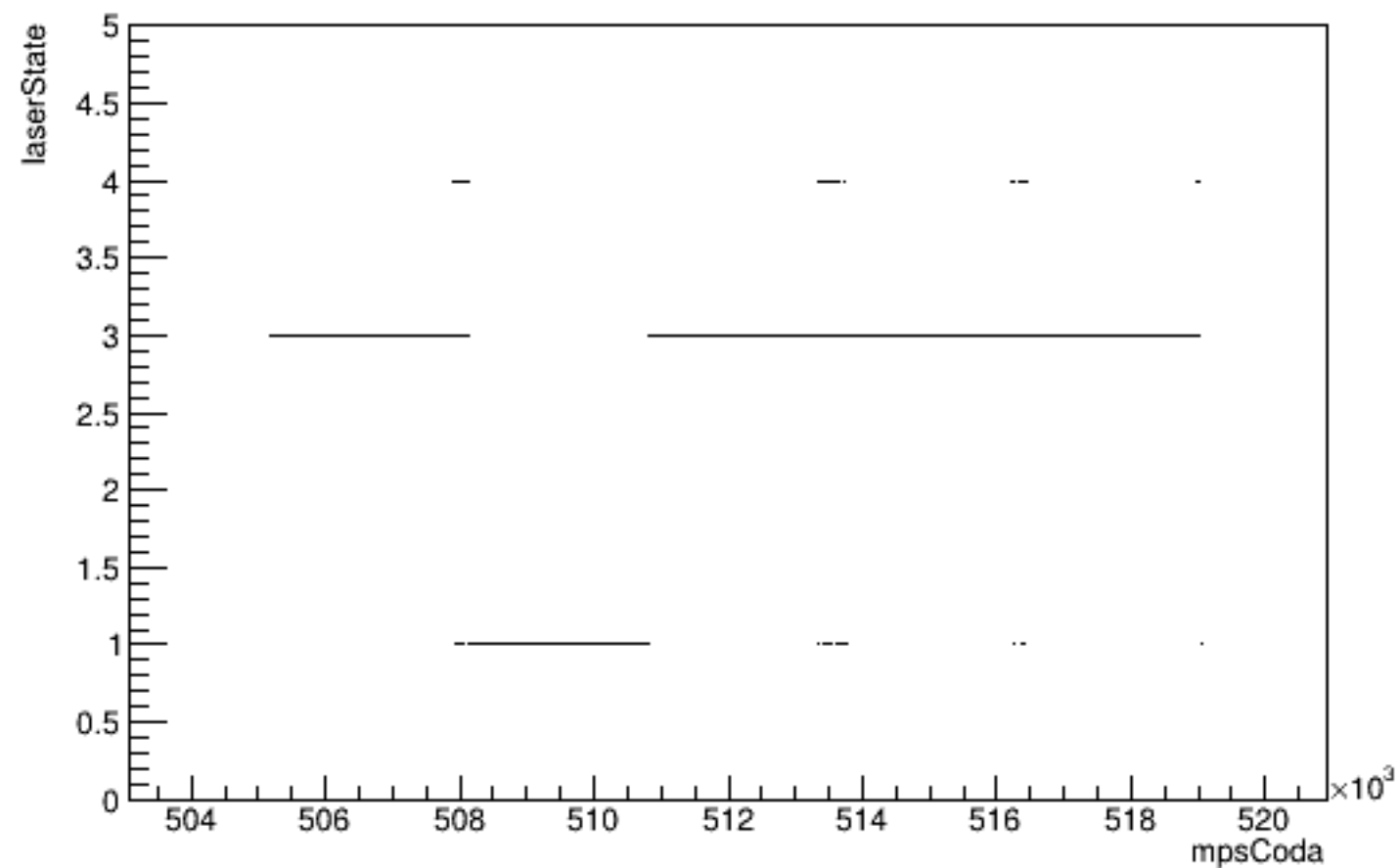
Run 5204 quartetwise, Asyms



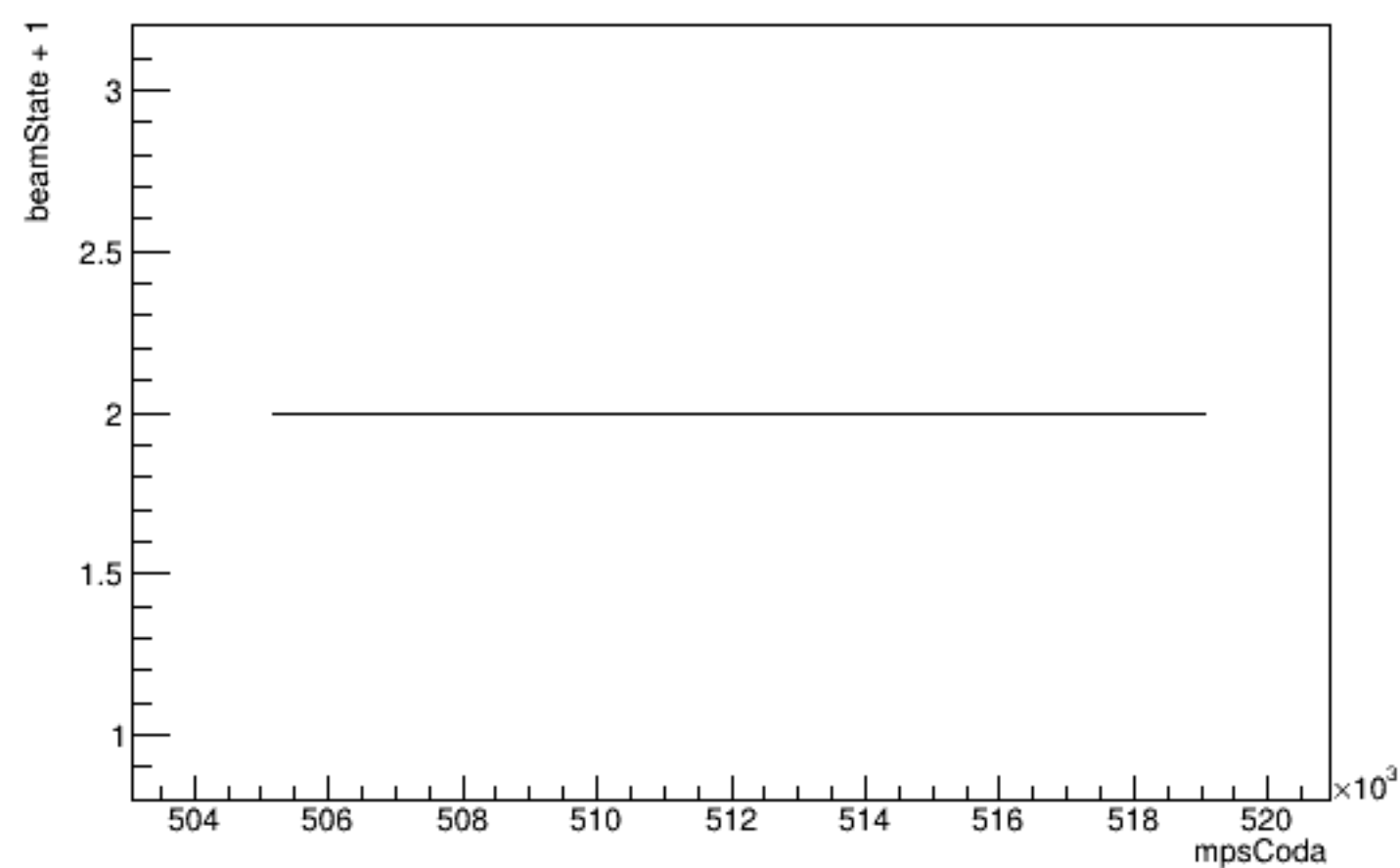
Acc0/NAcc0:mpsCoda (mpsCoda>=505172 && mpsCoda<=519035 && beamState==1)



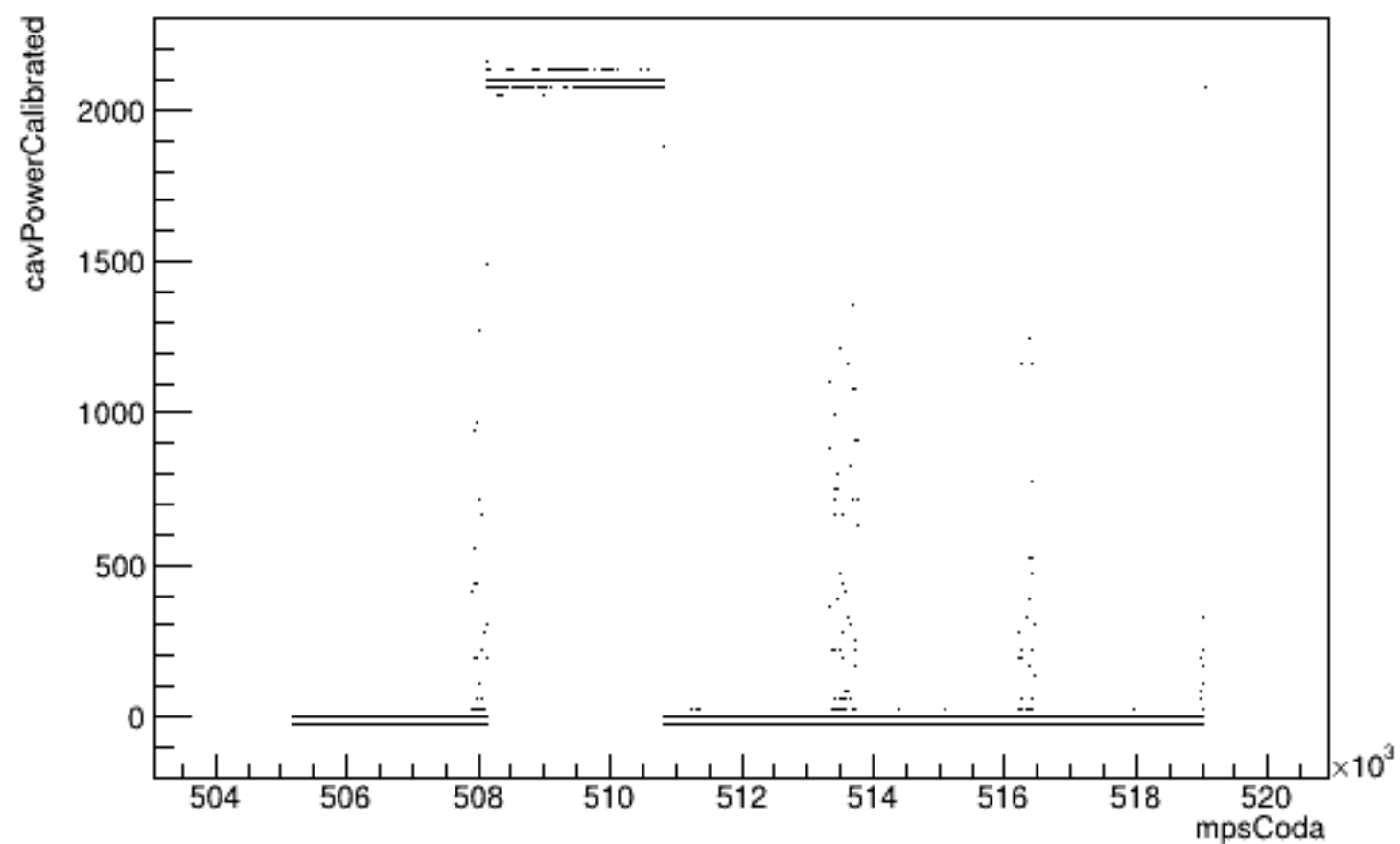
laserState:mpsCoda {mpsCoda>=505172 && mpsCoda<=519035}



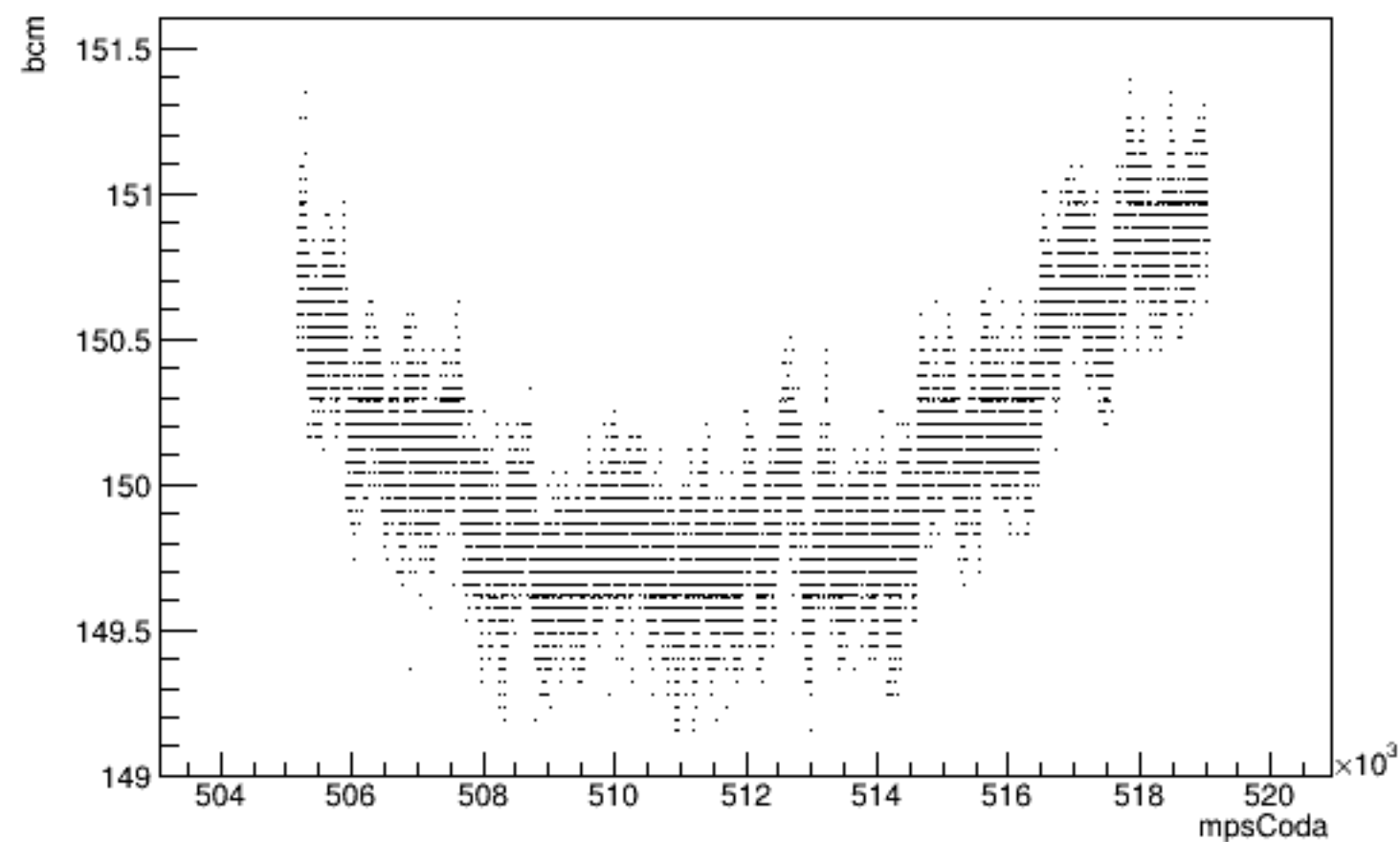
beamState + 1:mpsCoda {mpsCoda>=505172 && mpsCoda<=519035}



cavPowerCalibrated:mpsCoda {mpsCoda>=505172 && mpsCoda<=519035}



bcm:mpsCoda {mpsCoda>=505172 && mpsCoda<=519035}



Cycle 30, Diffs

Entries: 2009

Mean: 0.0039 +/- 0.0079

Std Dev: 0.3555 +/- 0.0056

Entries: 738

Mean: 0.5494 +/- 0.0255

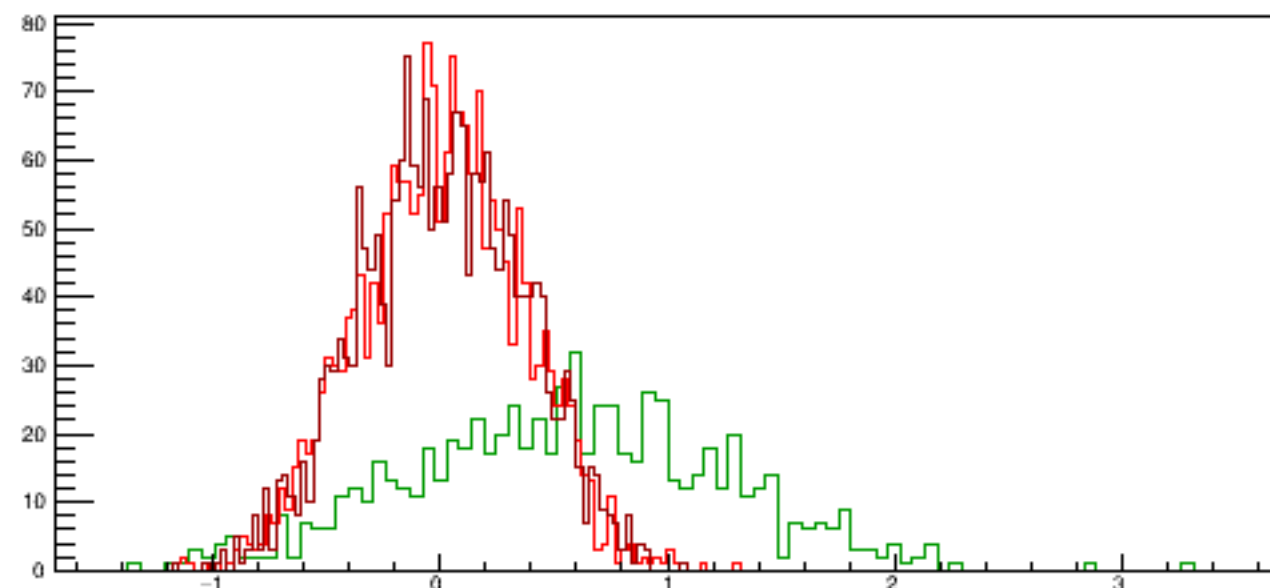
Std Dev: 0.6939 +/- 0.0181

Entries: 2133

Mean: 0.0068 +/- 0.0078

Std Dev: 0.3583 +/- 0.0055

Run 5204 quartetwise, Diffs



Cycle 30, Sums

Entries: 2009

Mean: 1.9970 +/- 0.0080

Std Dev: 0.3579 +/- 0.0056

Entries: 738

Mean: 21.3003 +/- 0.0362

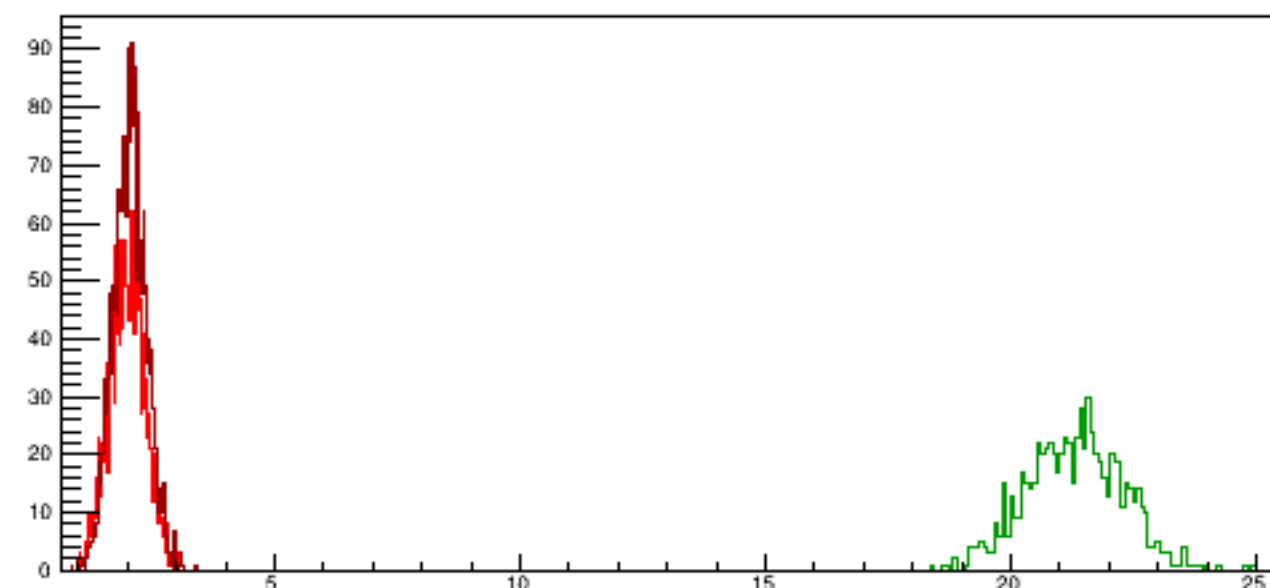
Std Dev: 0.9845 +/- 0.0256

Entries: 2133

Mean: 2.0504 +/- 0.0073

Std Dev: 0.3364 +/- 0.0051

Run 5204 quartetwise, Sums



Cycle 30, Asyms

Entries: 2009

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0184 +/- 0.0003

Entries: 738

Mean: 0.0285 +/- 0.0013

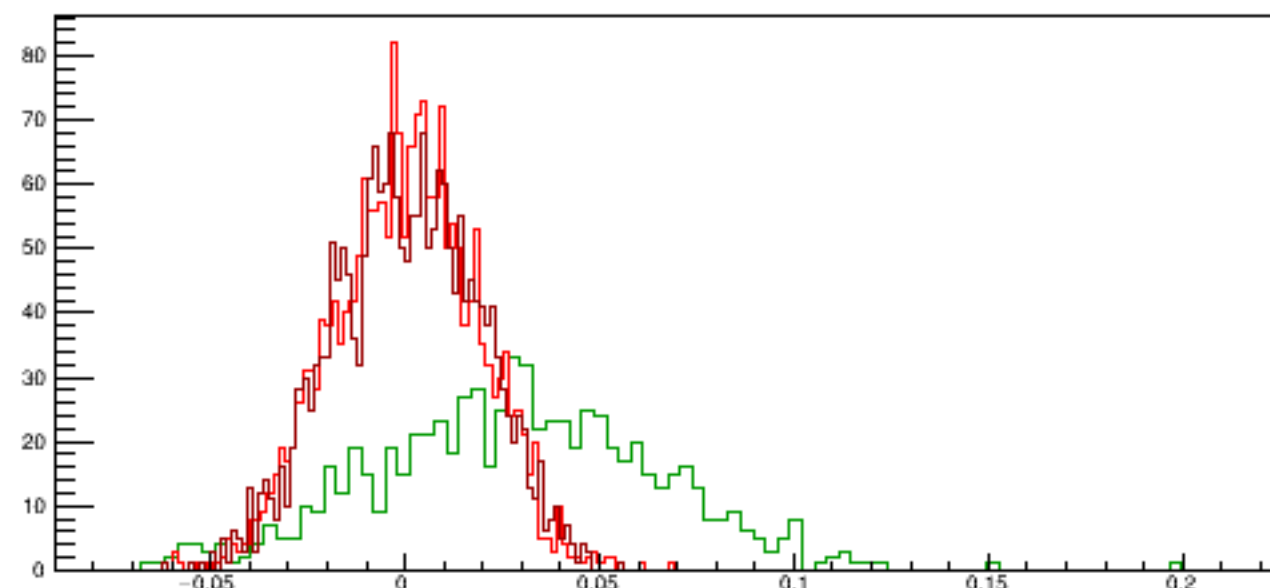
Std Dev: 0.0364 +/- 0.0009

Entries: 2133

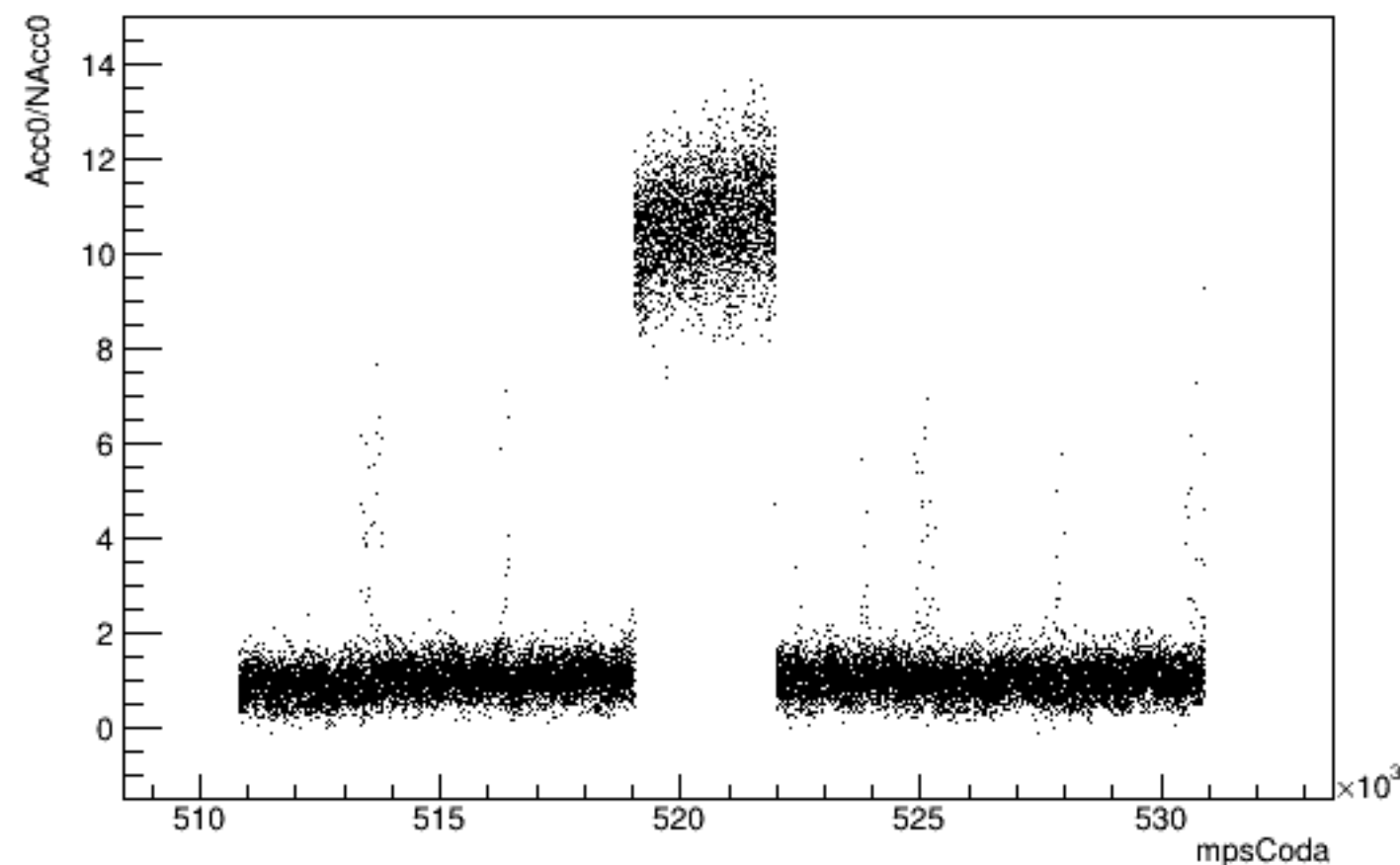
Mean: 0.0004 +/- 0.0004

Std Dev: 0.0186 +/- 0.0003

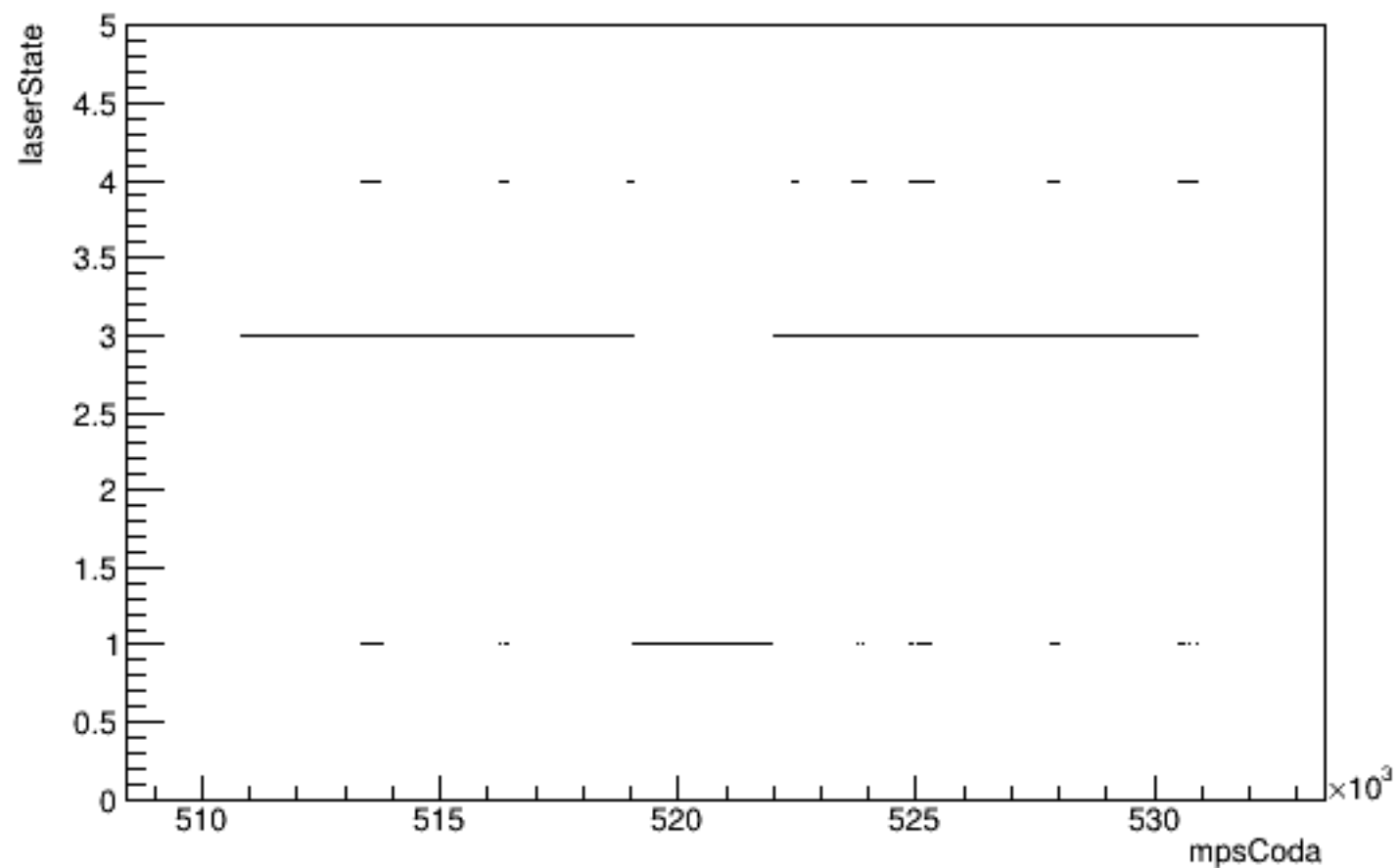
Run 5204 quartetwise, Asyms



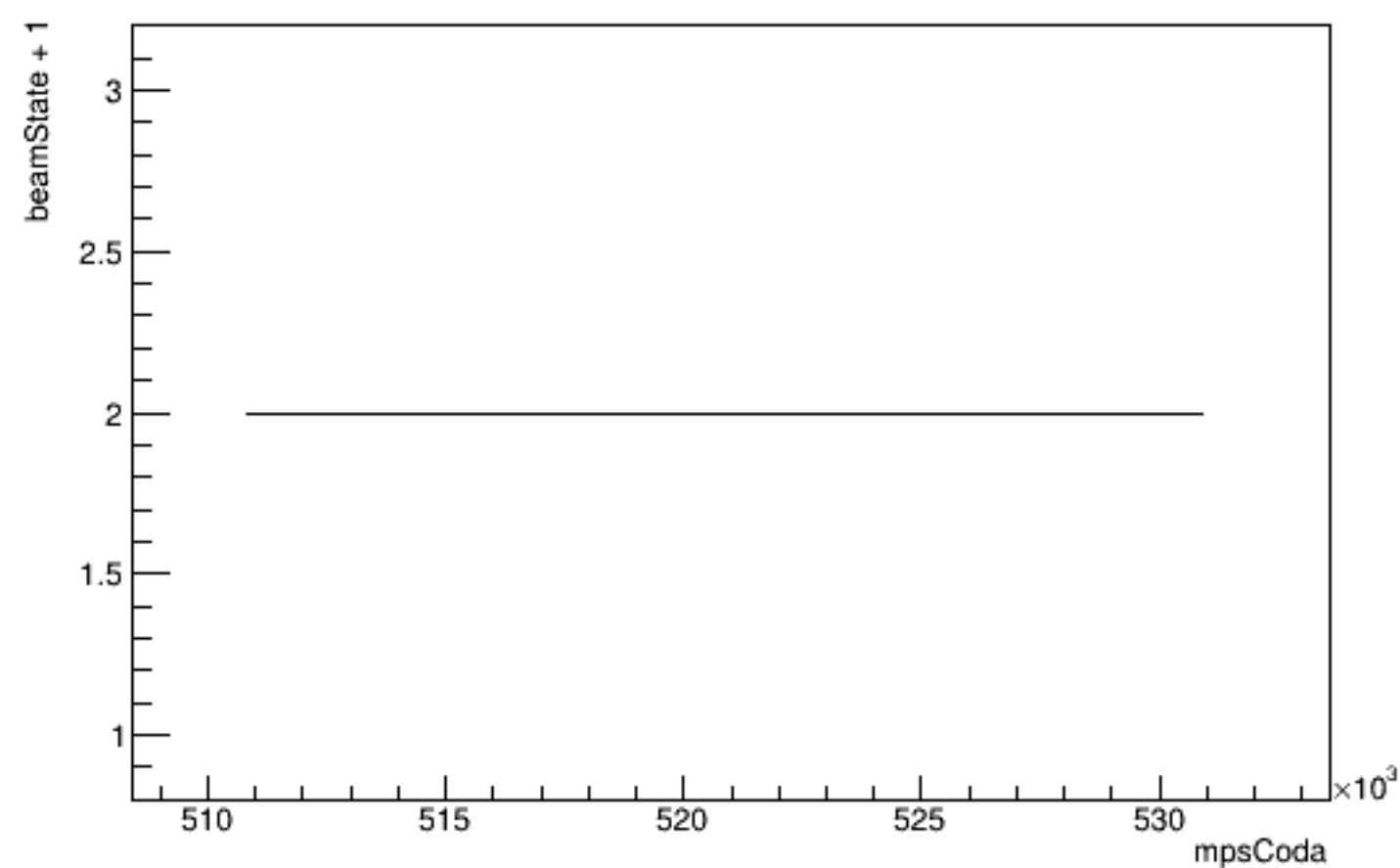
Acc0/NAcc0:mpsCoda (mpsCoda>=510808 && mpsCoda<=530903 && beamState==1)



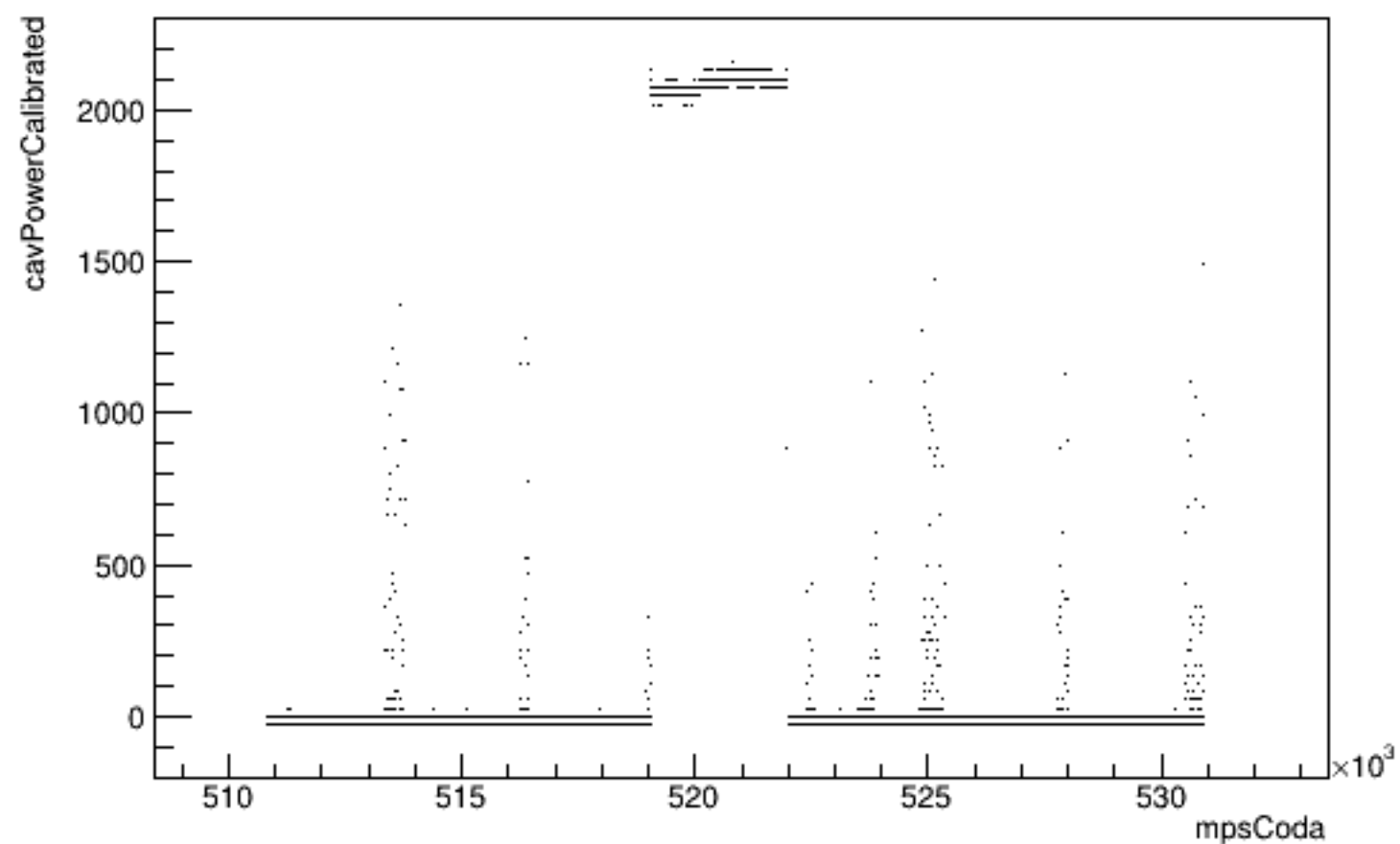
laserState:mpsCoda {mpsCoda>=510808 && mpsCoda<=530903}



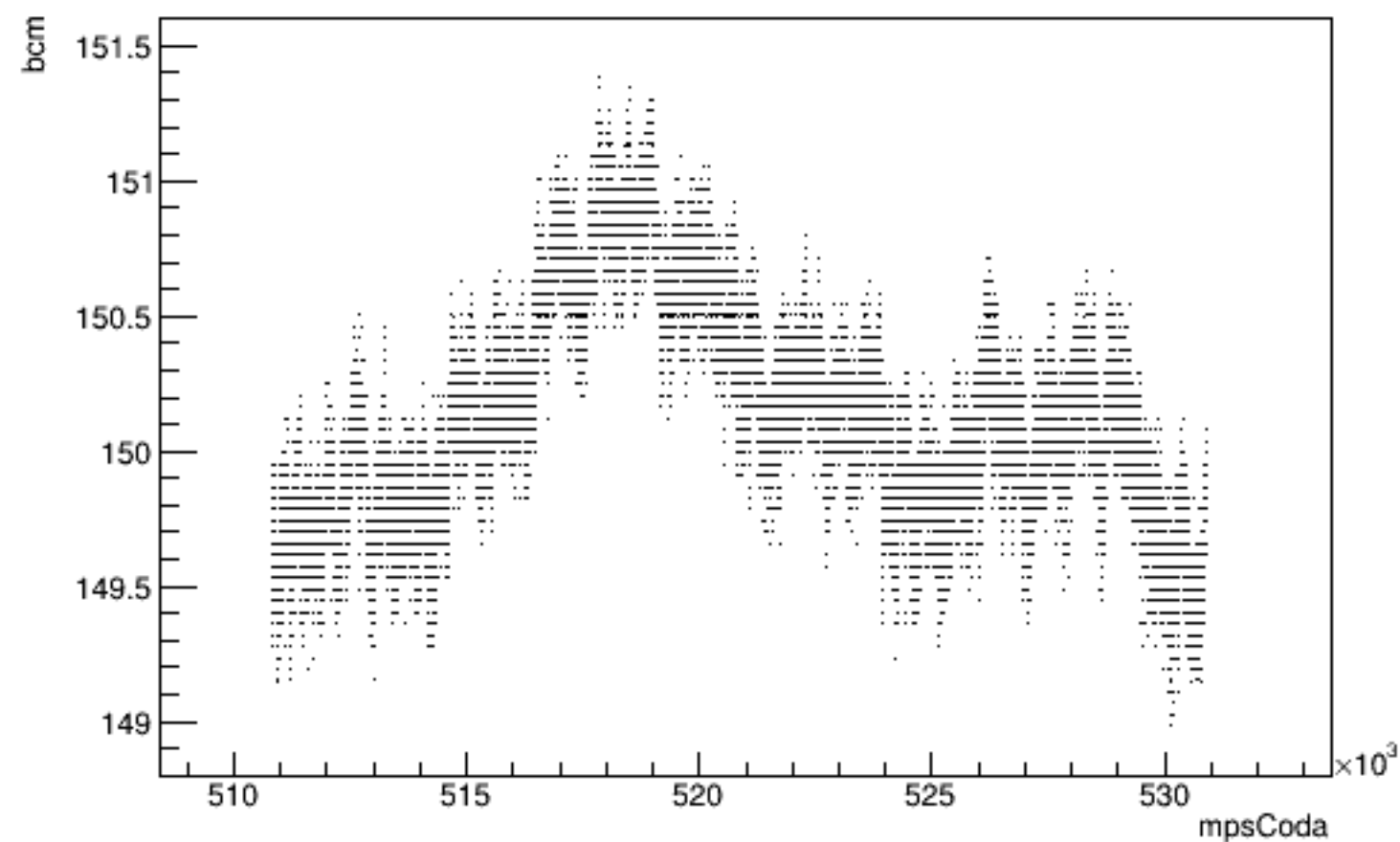
beamState + 1:mpsCoda {mpsCoda>=510808 && mpsCoda<=530903}



cavPowerCalibrated:mpsCoda {mpsCoda>=510808 && mpsCoda<=530903}



bcm:mpsCoda {mpsCoda>=510808 && mpsCoda<=530903}



Cycle 31, Diffs

Entries: 2133

Mean: 0.0068 +/- 0.0078

Std Dev: 0.3583 +/- 0.0055

Entries: 591

Mean: 0.5914 +/- 0.0276

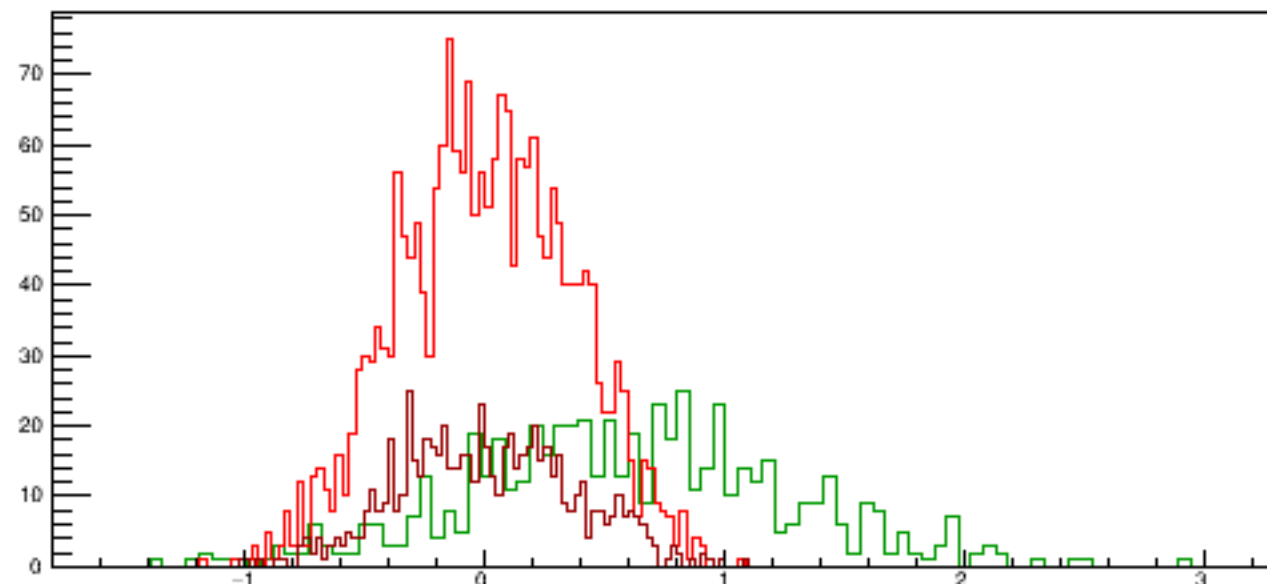
Std Dev: 0.6698 +/- 0.0195

Entries: 666

Mean: 0.0141 +/- 0.0140

Std Dev: 0.3613 +/- 0.0099

Run 5204 quartetwise, Diffs



Cycle 31, Sums

Entries: 2133

Mean: 2.0504 +/- 0.0073

Std Dev: 0.3364 +/- 0.0051

Entries: 591

Mean: 22.1586 +/- 0.0346

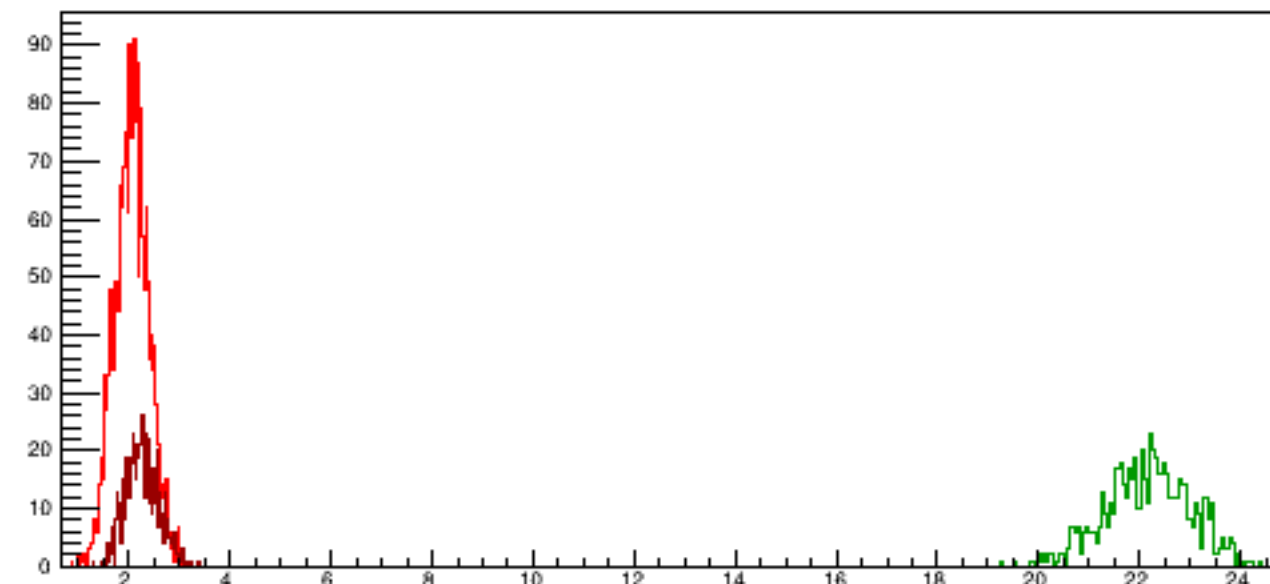
Std Dev: 0.8418 +/- 0.0245

Entries: 666

Mean: 2.2622 +/- 0.0125

Std Dev: 0.3213 +/- 0.0088

Run 5204 quartetwise, Sums



Cycle 31, Asyms

Entries: 2133

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0179 +/- 0.0003

Entries: 591

Mean: 0.0294 +/- 0.0014

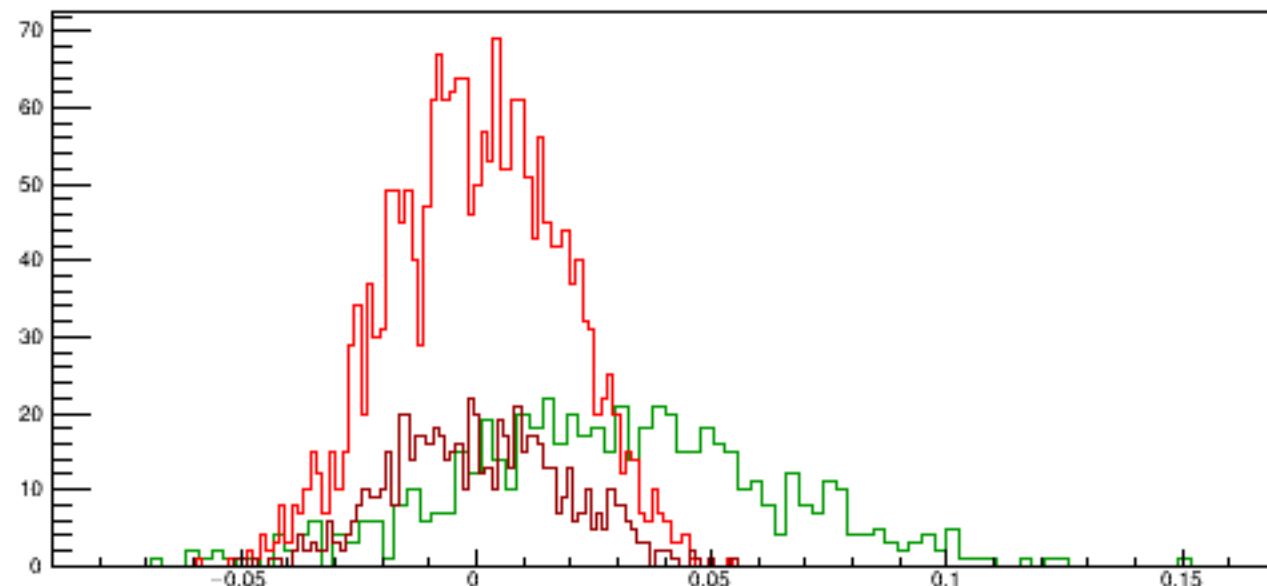
Std Dev: 0.0335 +/- 0.0010

Entries: 666

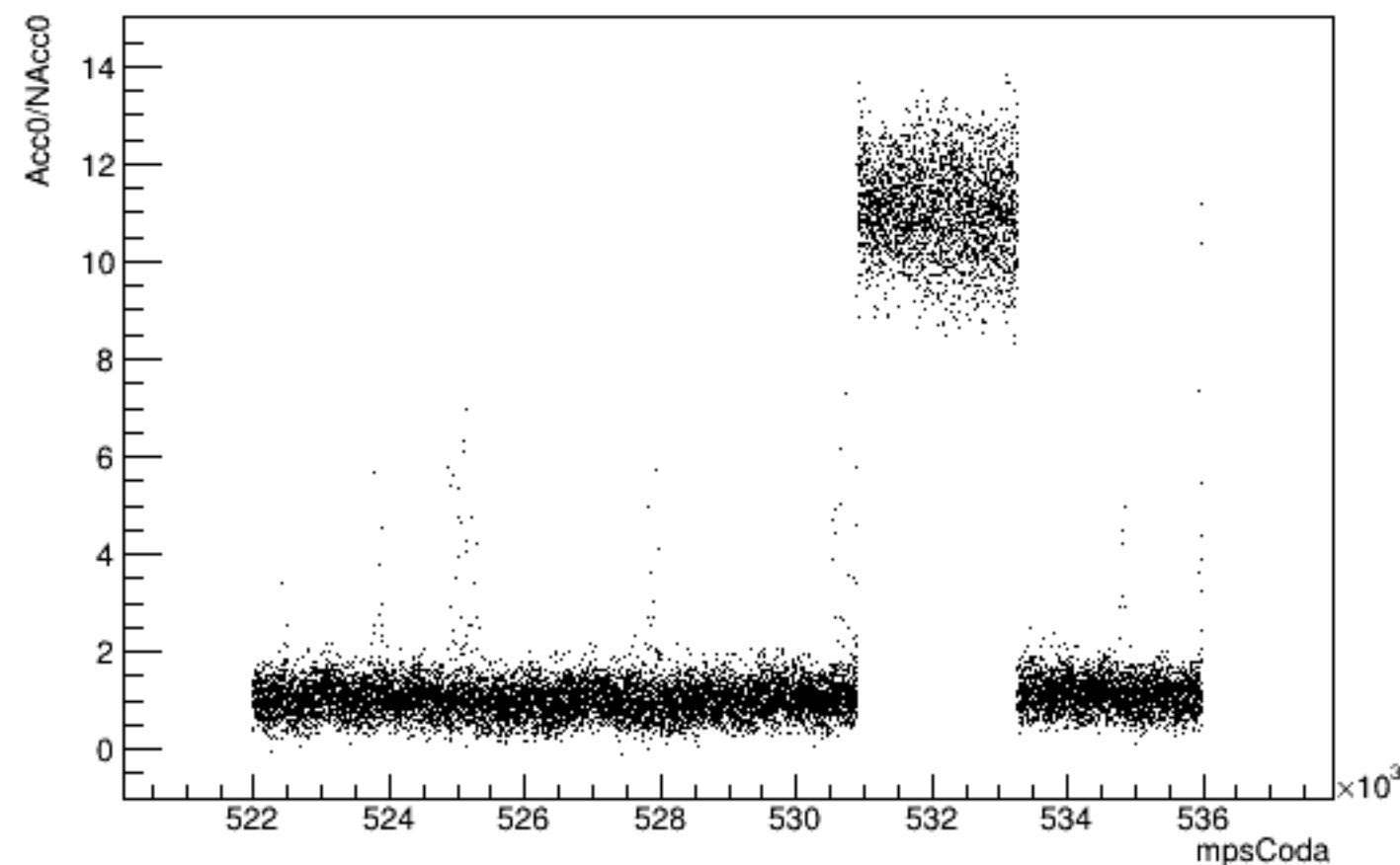
Mean: 0.0007 +/- 0.0007

Std Dev: 0.0181 +/- 0.0005

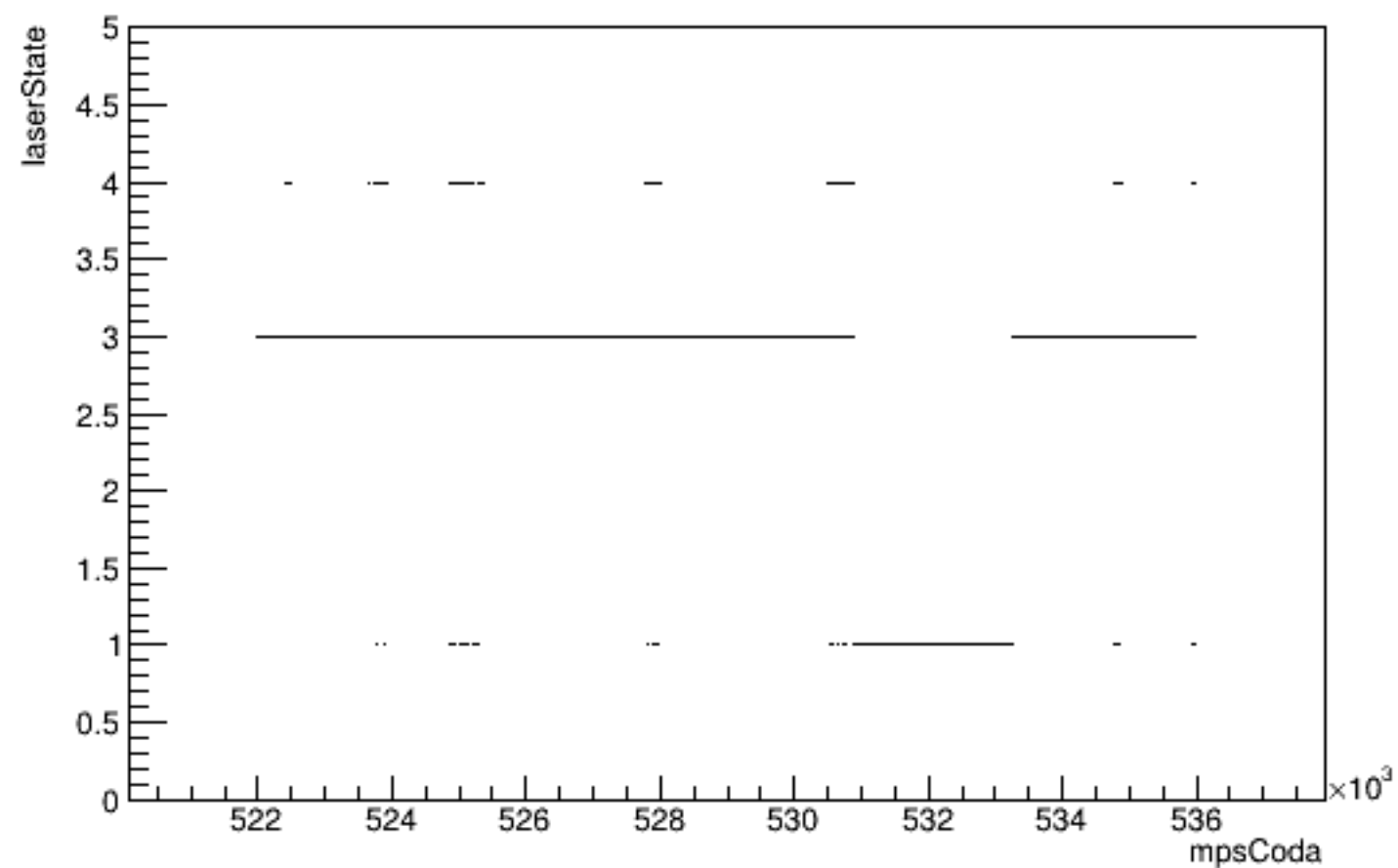
Run 5204 quartetwise, Asyms



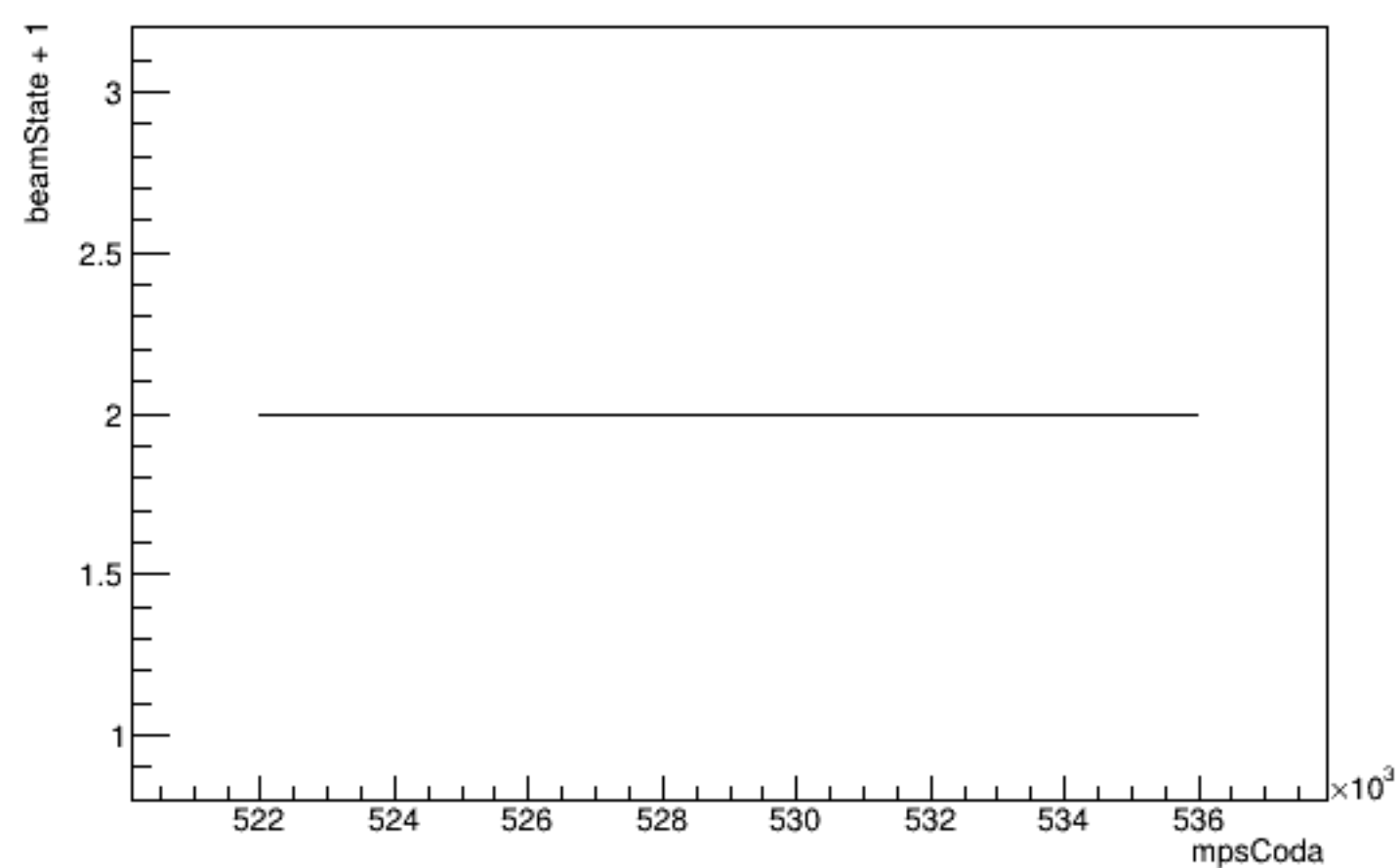
Acc0/NAcc0:mpsCoda (mpsCoda>=521988 && mpsCoda<=535979 && beamState==1)



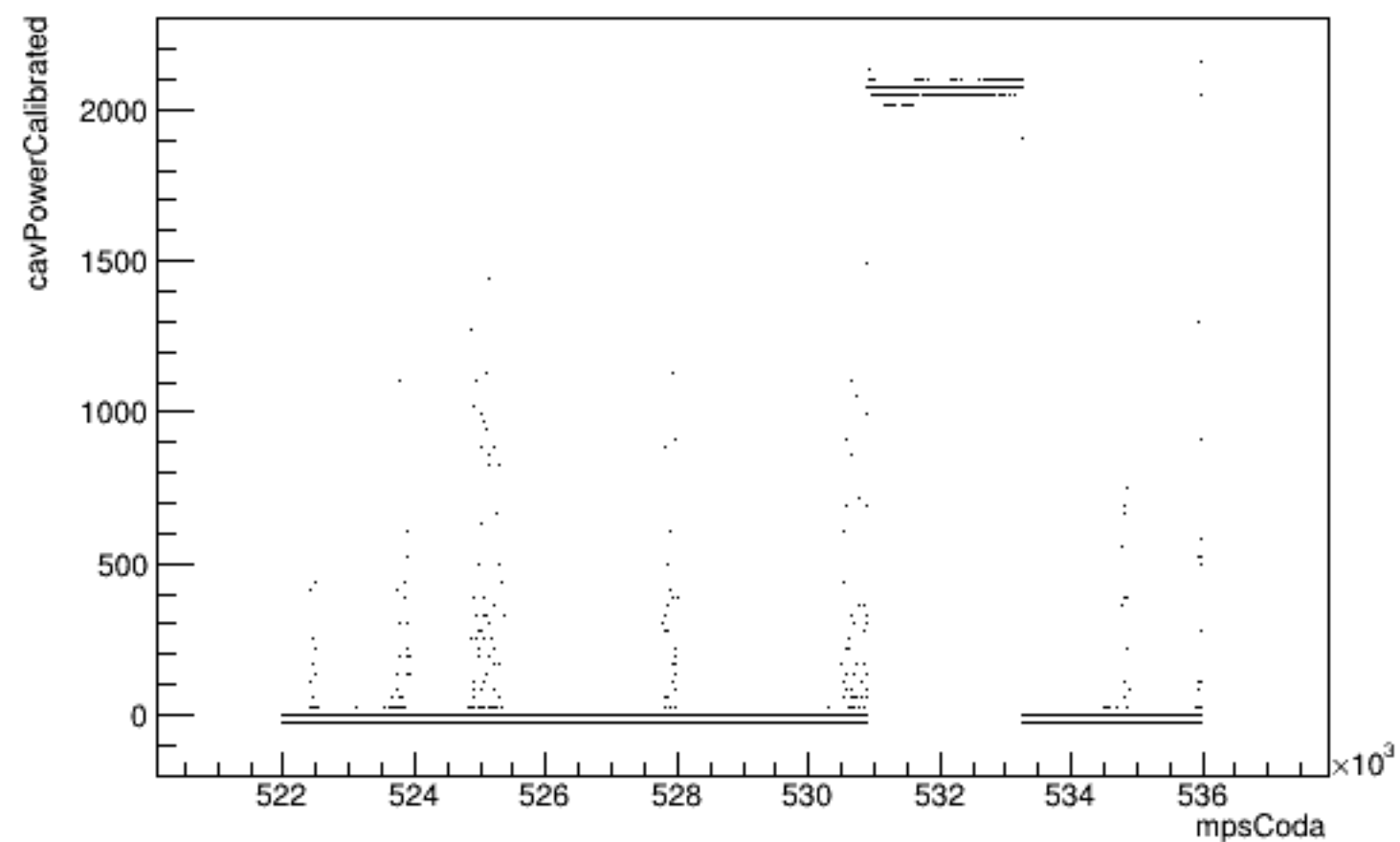
laserState:mpsCoda {mpsCoda>=521988 && mpsCoda<=535979}



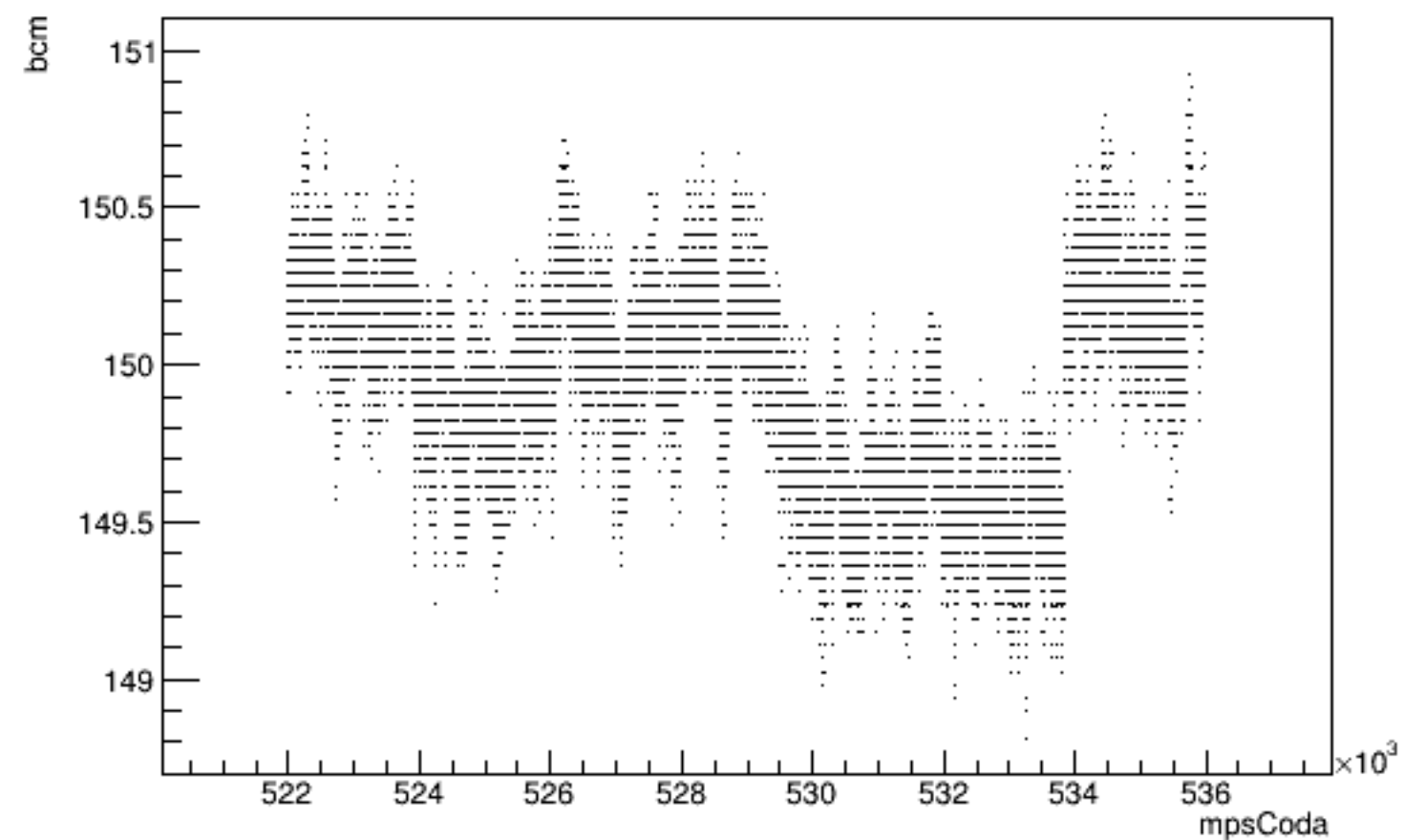
beamState + 1:mpsCoda {mpsCoda>=521988 && mpsCoda<=535979}



cavPowerCalibrated:mpsCoda {mpsCoda>=521988 && mpsCoda<=535979}



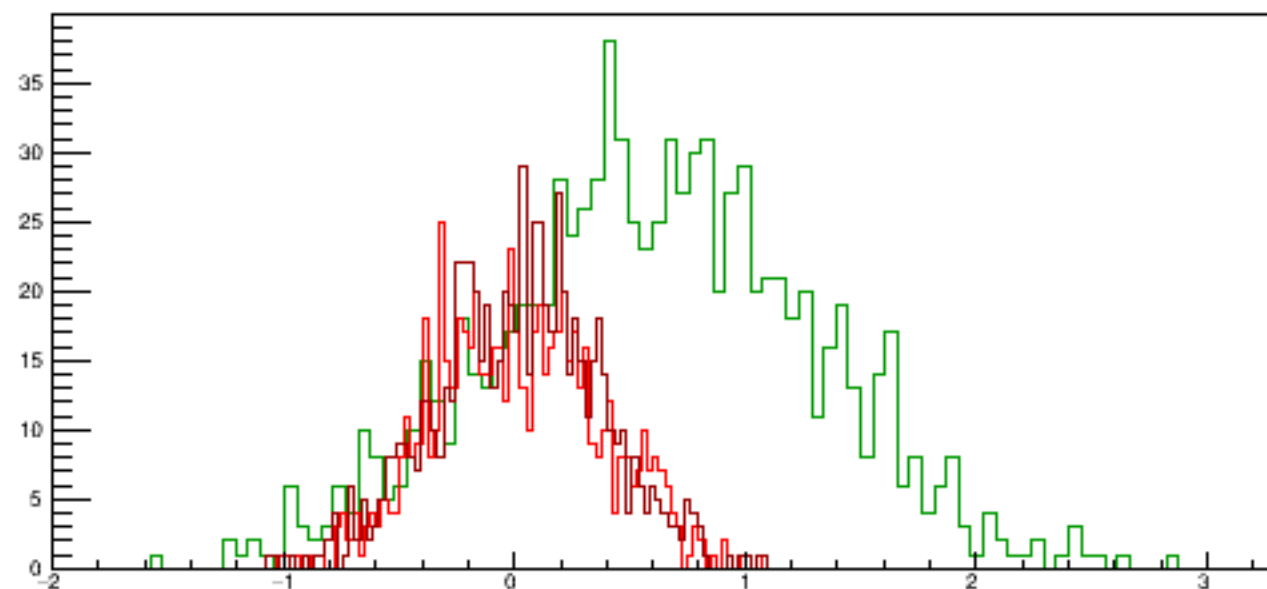
bcm:mpsCoda {mpsCoda>=521988 && mpsCoda<=535979}



Cycle 32, Diffs

Entries: 666	Entries: 936	Entries: 729
Mean: 0.0141 +/- 0.0140	Mean: 0.6025 +/- 0.0227	Mean: 0.0181 +/- 0.0131
Std Dev: 0.3613 +/- 0.0099	Std Dev: 0.6942 +/- 0.0160	Std Dev: 0.3548 +/- 0.0093

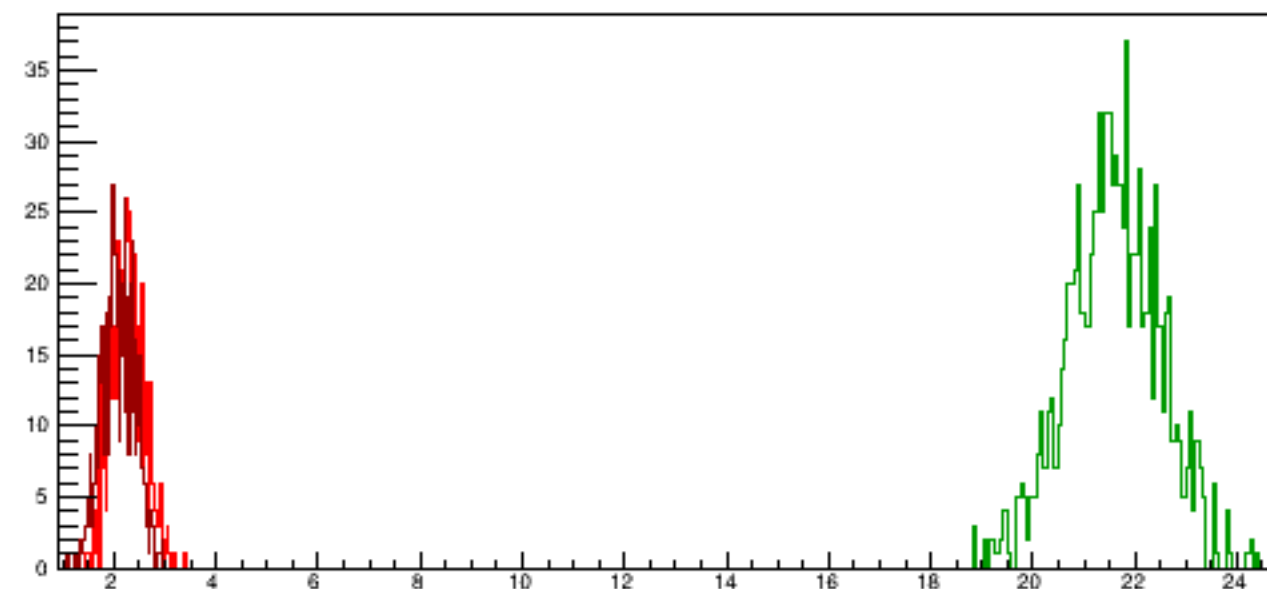
Run 5204 quartetwise, Diffs



Cycle 32, Sums

Entries: 666	Entries: 936	Entries: 729
Mean: 2.2622 +/- 0.0125	Mean: 21.5867 +/- 0.0296	Mean: 2.0883 +/- 0.0119
Std Dev: 0.3213 +/- 0.0088	Std Dev: 0.9049 +/- 0.0209	Std Dev: 0.3208 +/- 0.0084

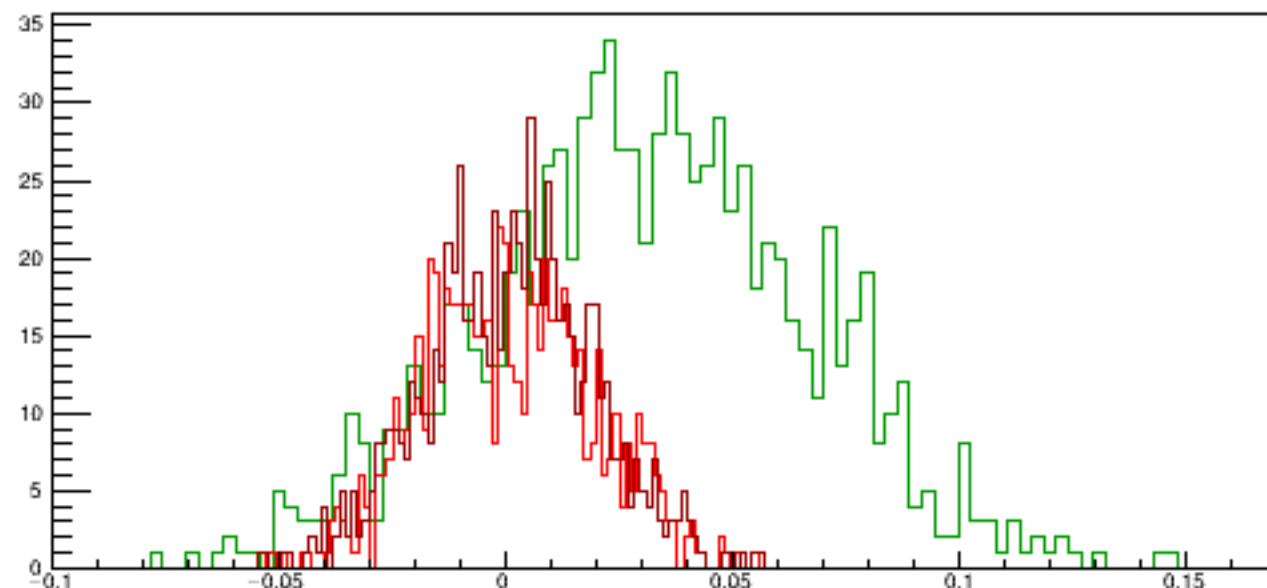
Run 5204 quartetwise, Sums



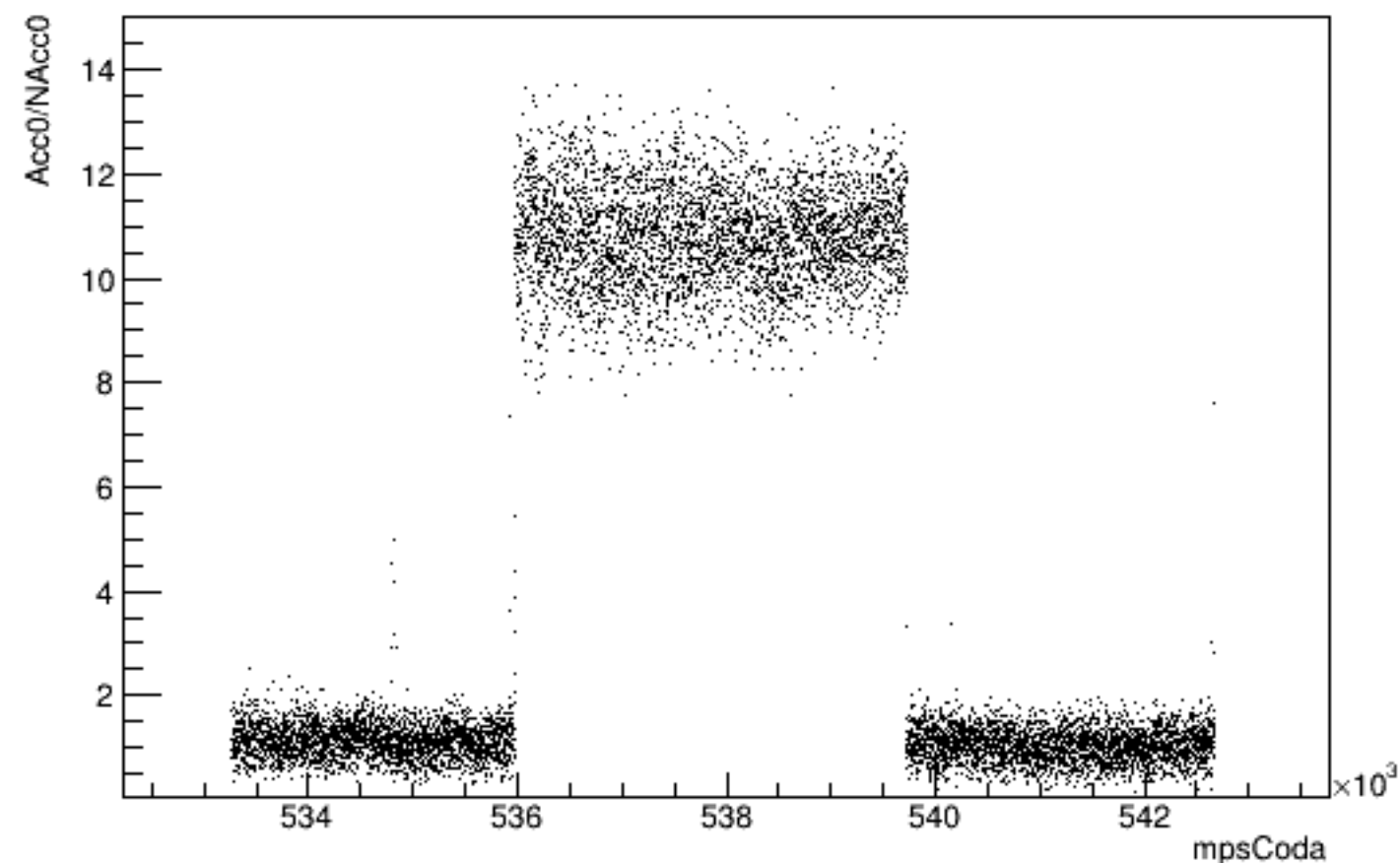
Cycle 32, Asyms

Entries: 666	Entries: 936	Entries: 729
Mean: 0.0007 +/- 0.0007	Mean: 0.0310 +/- 0.0012	Mean: 0.0009 +/- 0.0007
Std Dev: 0.0186 +/- 0.0005	Std Dev: 0.0358 +/- 0.0008	Std Dev: 0.0183 +/- 0.0005

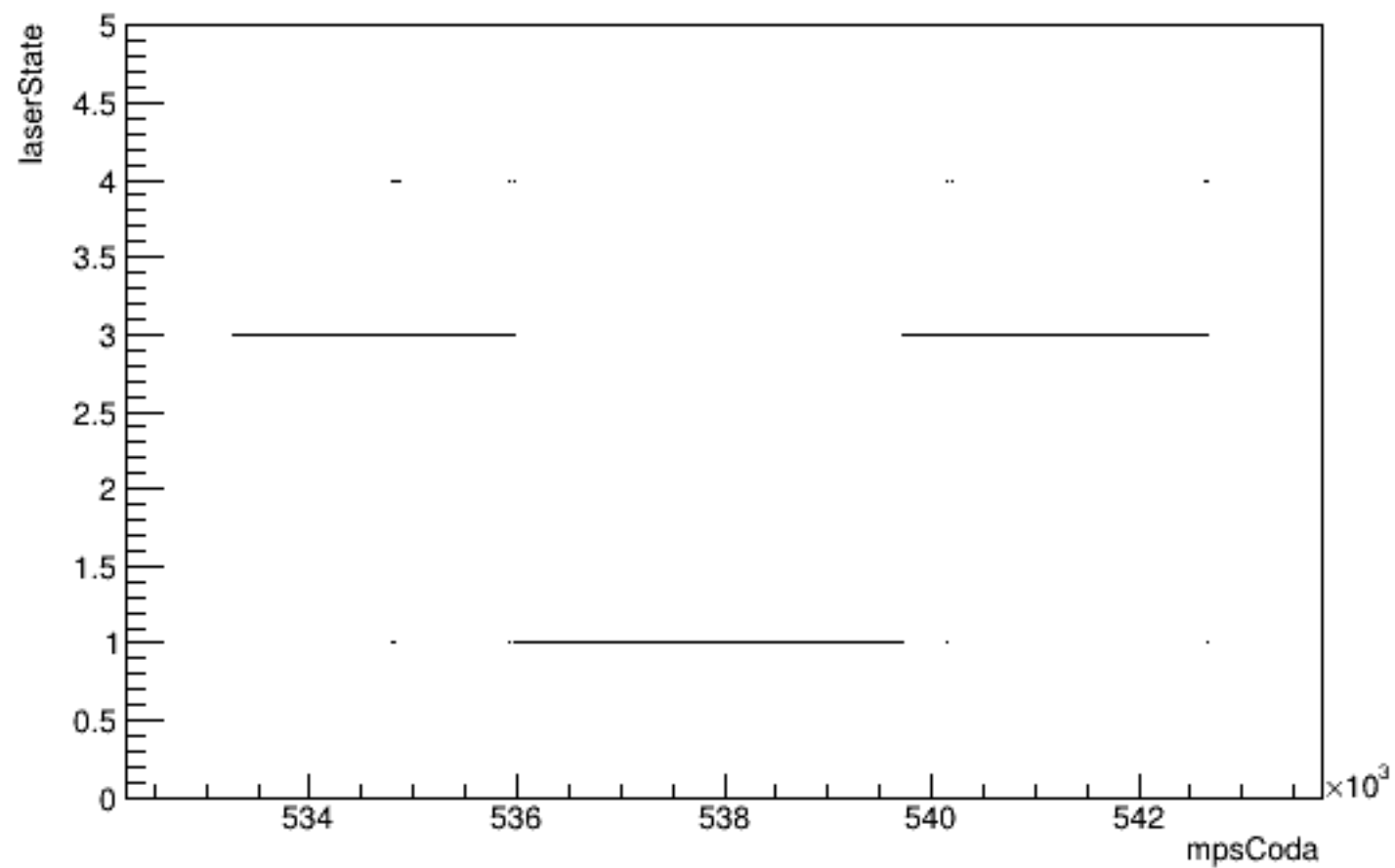
Run 5204 quartetwise, Asyms



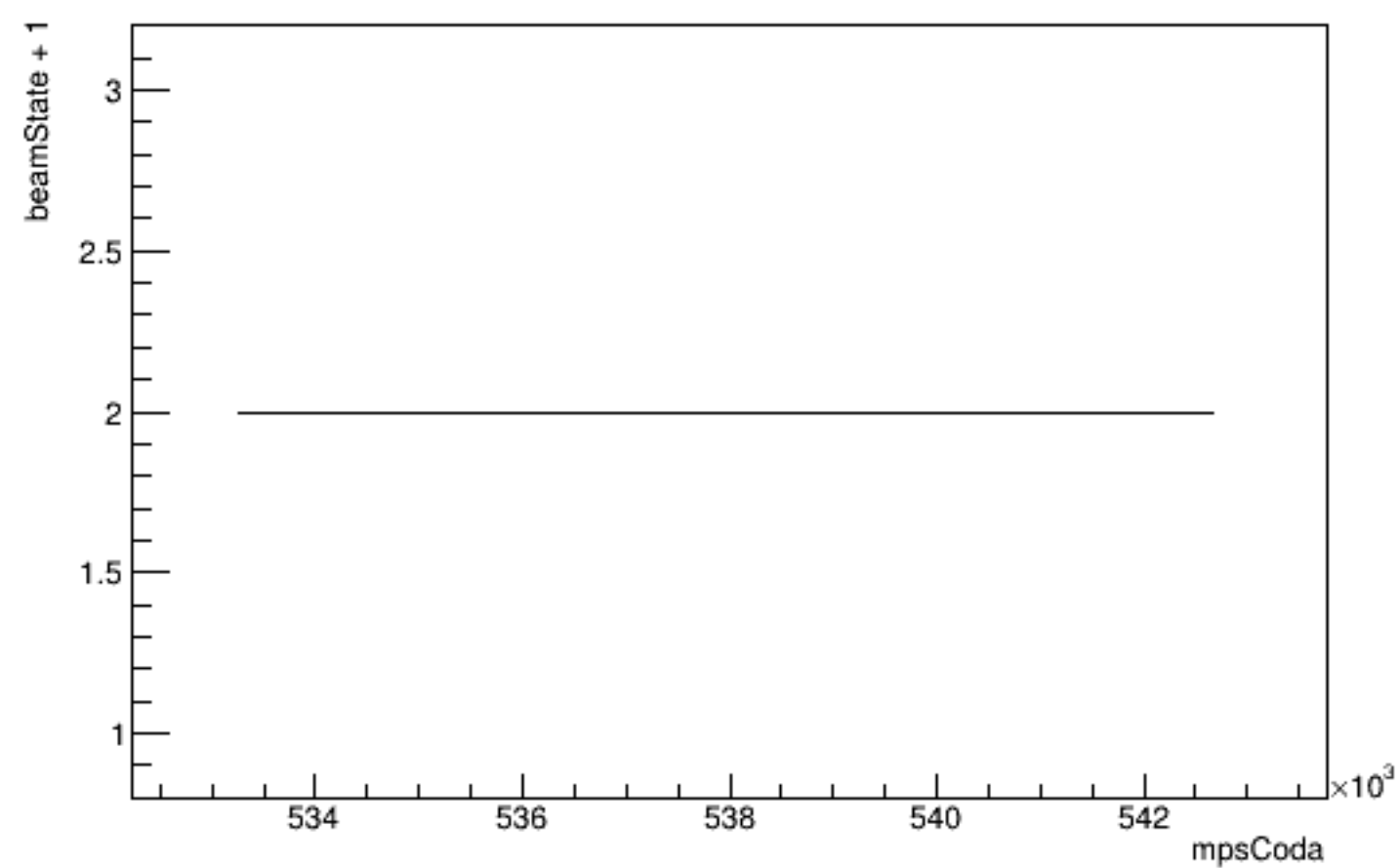
Acc0/NAcc0:mpsCoda (mpsCoda>=533268 && mpsCoda<=542671 && beamState==1)



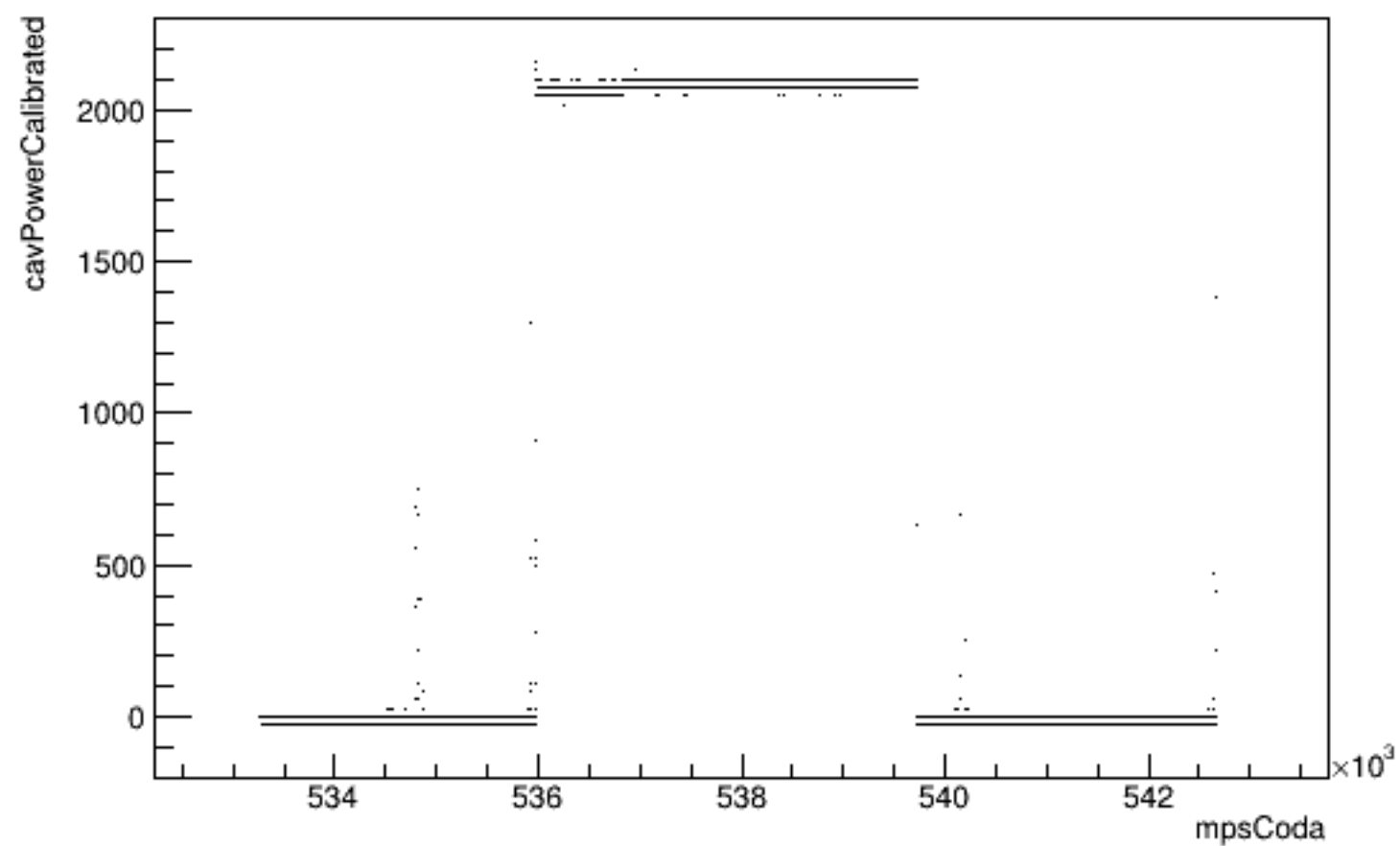
laserState:mpsCoda {mpsCoda>=533268 && mpsCoda<=542671}



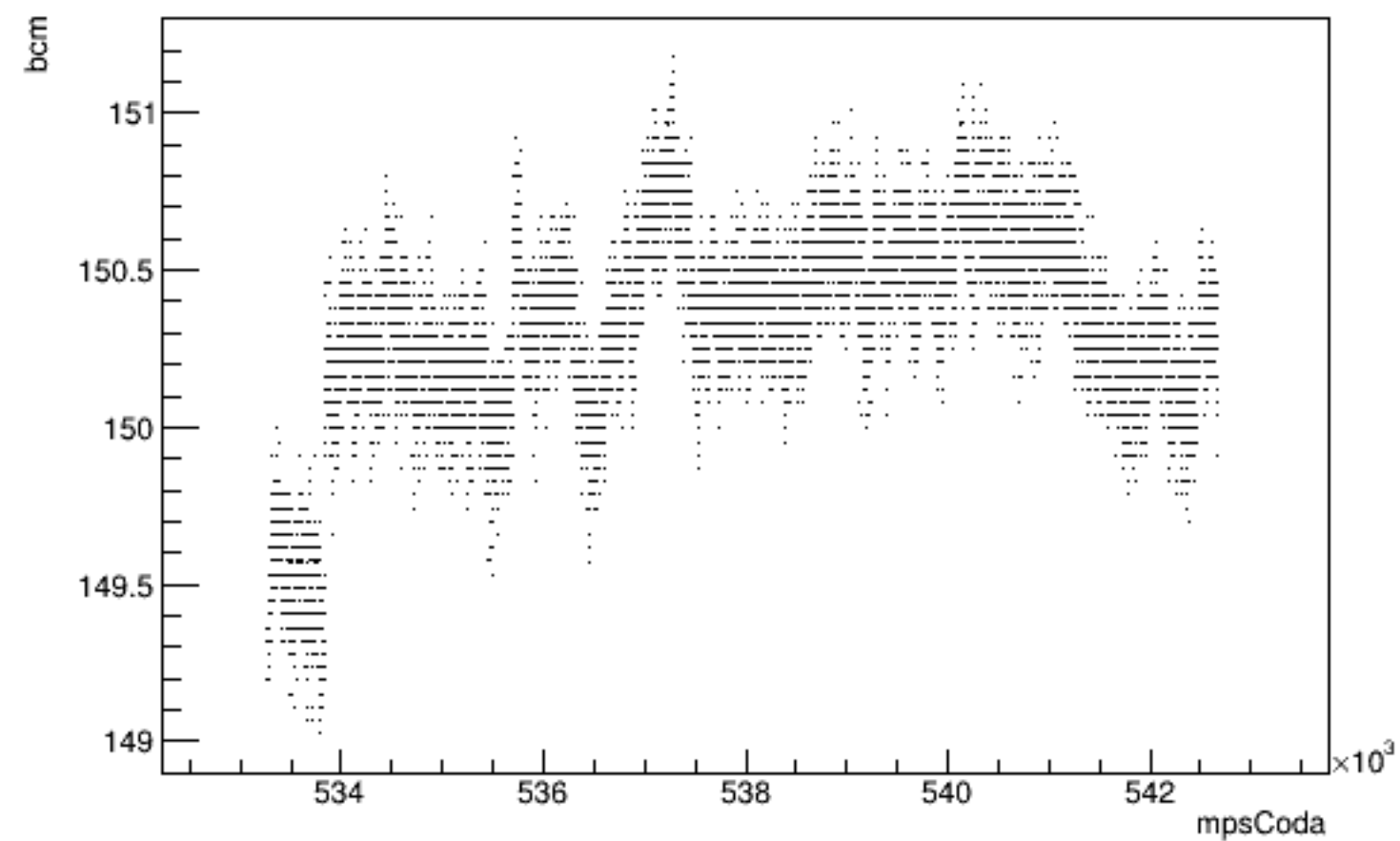
beamState + 1:mpsCoda {mpsCoda>=533268 && mpsCoda<=542671}



cavPowerCalibrated:mpsCoda {mpsCoda>=533268 && mpsCoda<=542671}



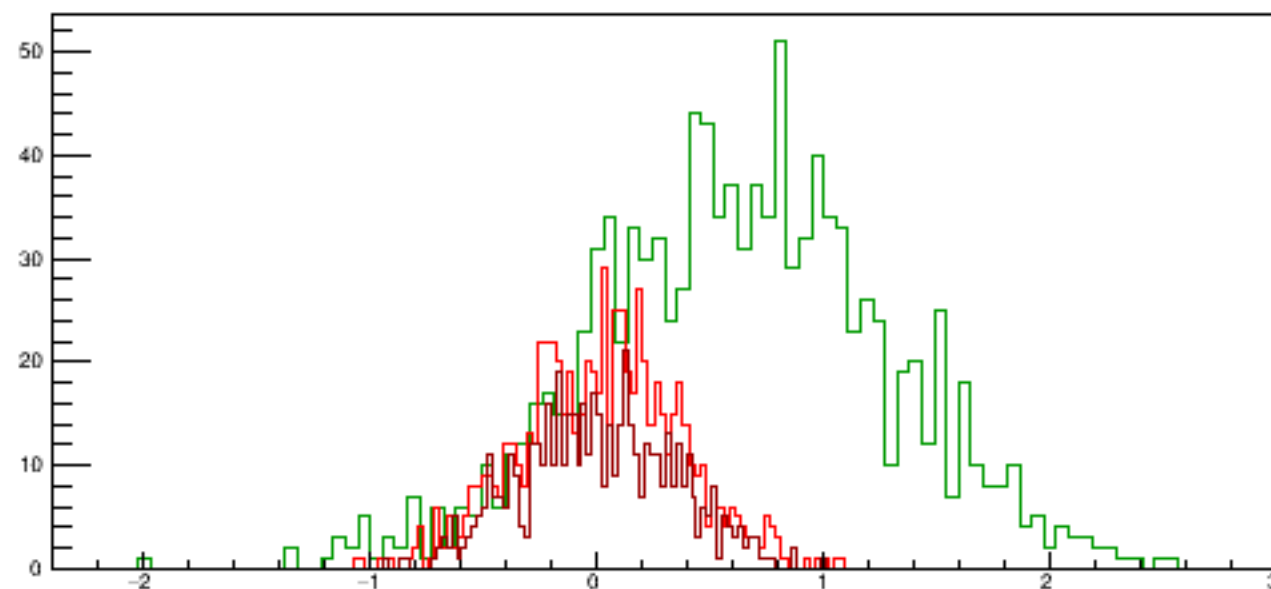
bcm:mpsCoda {mpsCoda>=533268 && mpsCoda<=542671}



Cycle 33, Diffs

Entries: 729	Entries: 1133	Entries: 535
Mean: 0.0181 +/- 0.0131	Mean: 0.6240 +/- 0.0195	Mean: 0.0109 +/- 0.0144
Std Dev: 0.3548 +/- 0.0093	Std Dev: 0.6564 +/- 0.0138	Std Dev: 0.3340 +/- 0.0102

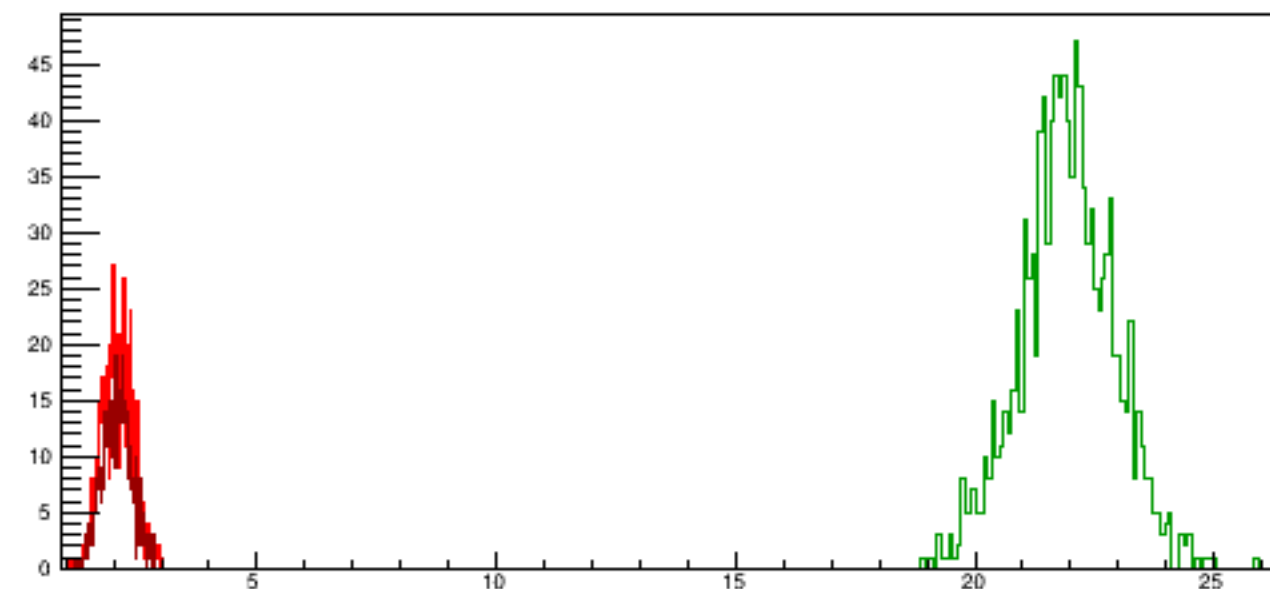
Run 5204 quartetwise, Diffs



Cycle 33, Sums

Entries: 729	Entries: 1133	Entries: 535
Mean: 2.0883 +/- 0.0119	Mean: 21.9218 +/- 0.0290	Mean: 2.0614 +/- 0.0132
Std Dev: 0.3208 +/- 0.0084	Std Dev: 0.9778 +/- 0.0205	Std Dev: 0.3061 +/- 0.0094

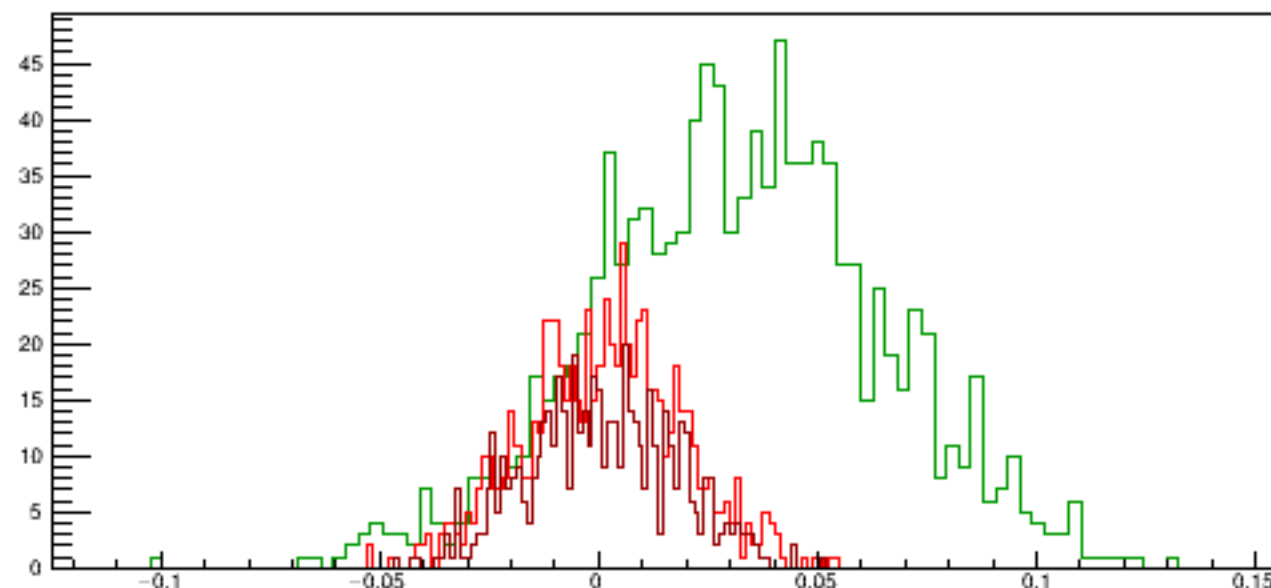
Run 5204 quartetwise, Sums



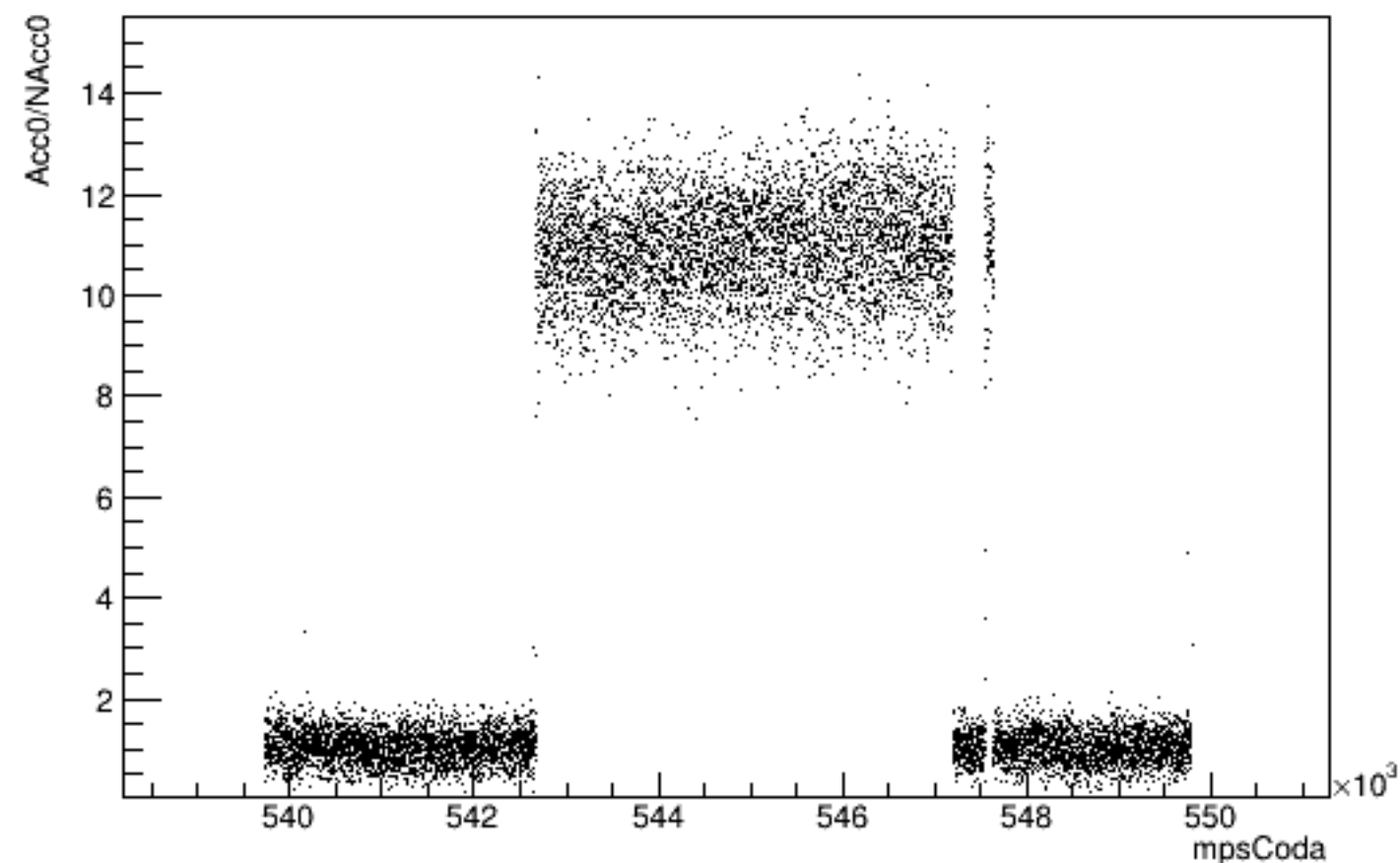
Cycle 33, Asyms

Entries: 729	Entries: 1133	Entries: 535
Mean: 0.0009 +/- 0.0007	Mean: 0.0315 +/- 0.0010	Mean: 0.0005 +/- 0.0007
Std Dev: 0.0179 +/- 0.0005	Std Dev: 0.0332 +/- 0.0007	Std Dev: 0.0168 +/- 0.0005

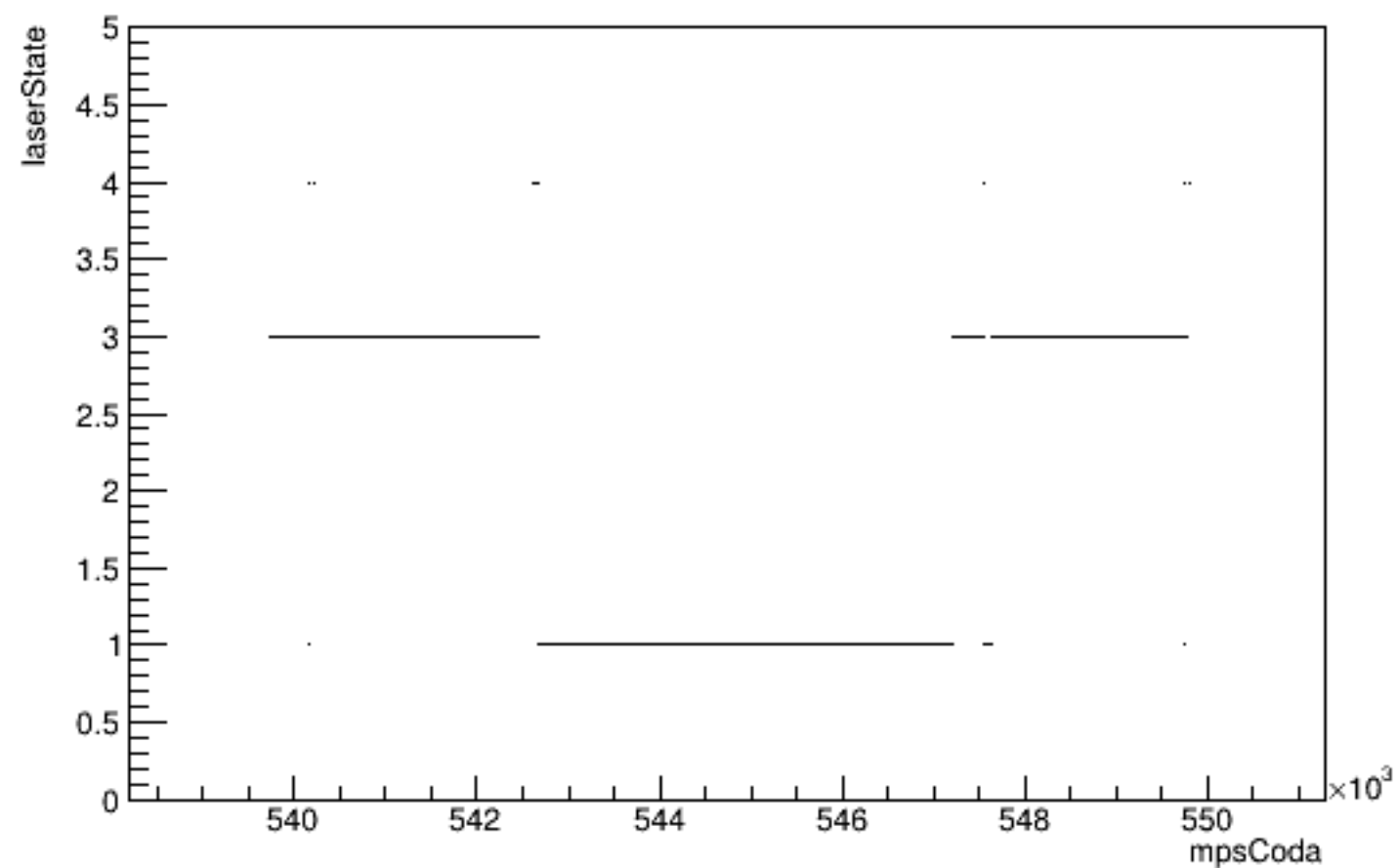
Run 5204 quartetwise, Asyms



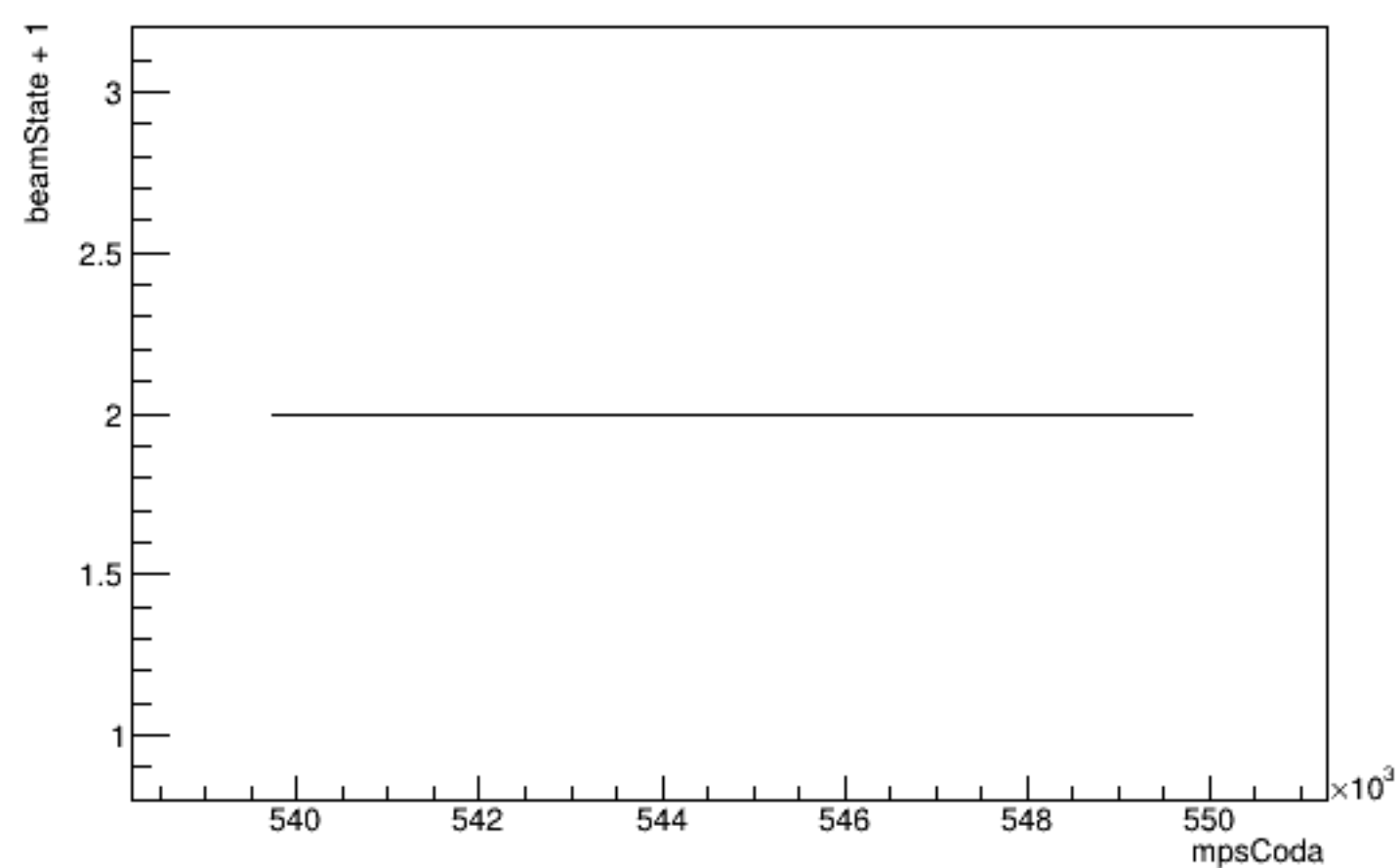
Acc0/NAcc0:mpsCoda (mpsCoda>=539728 && mpsCoda<=549791 && beamState==1)



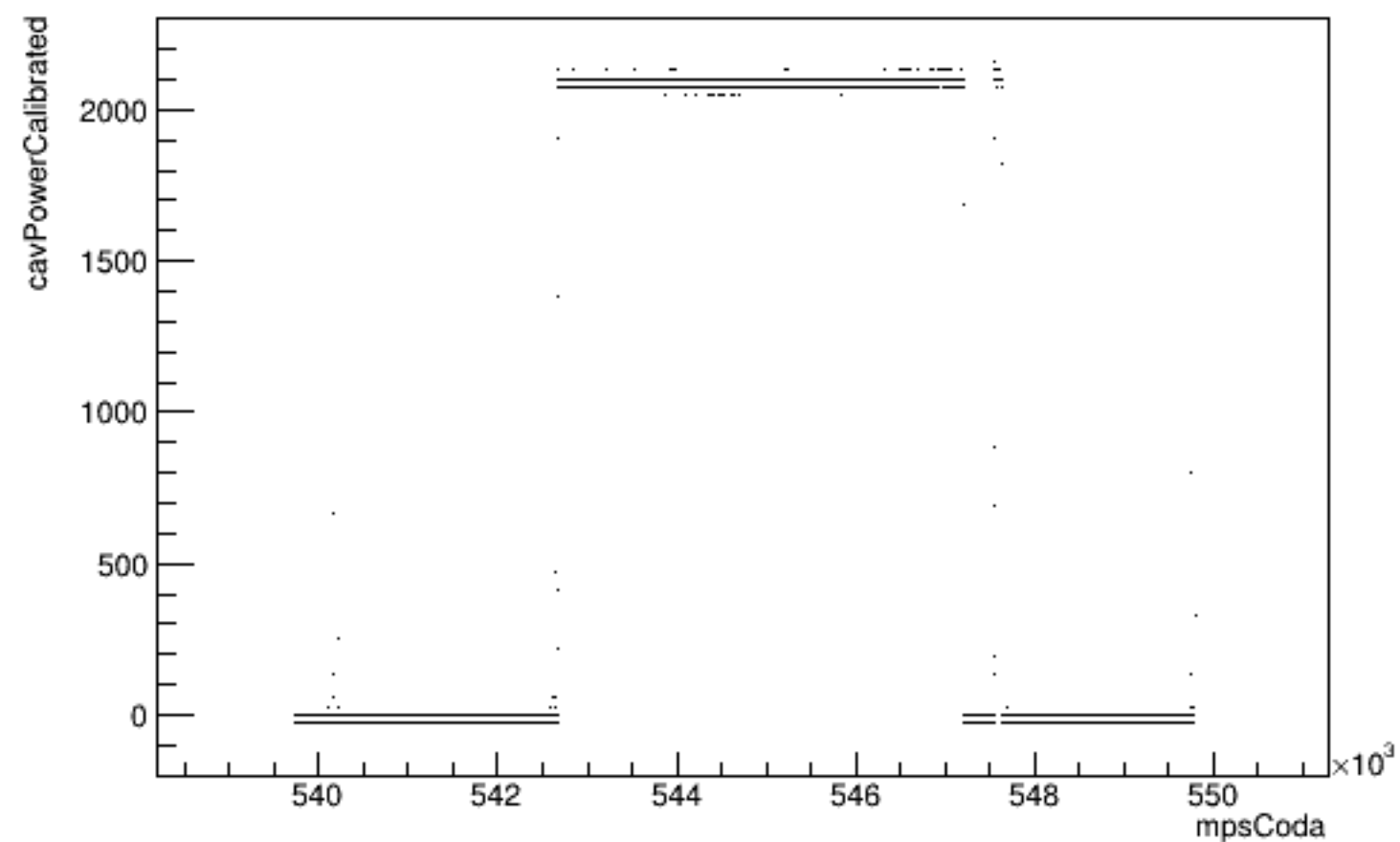
laserState:mpsCoda {mpsCoda>=539728 && mpsCoda<=549791}



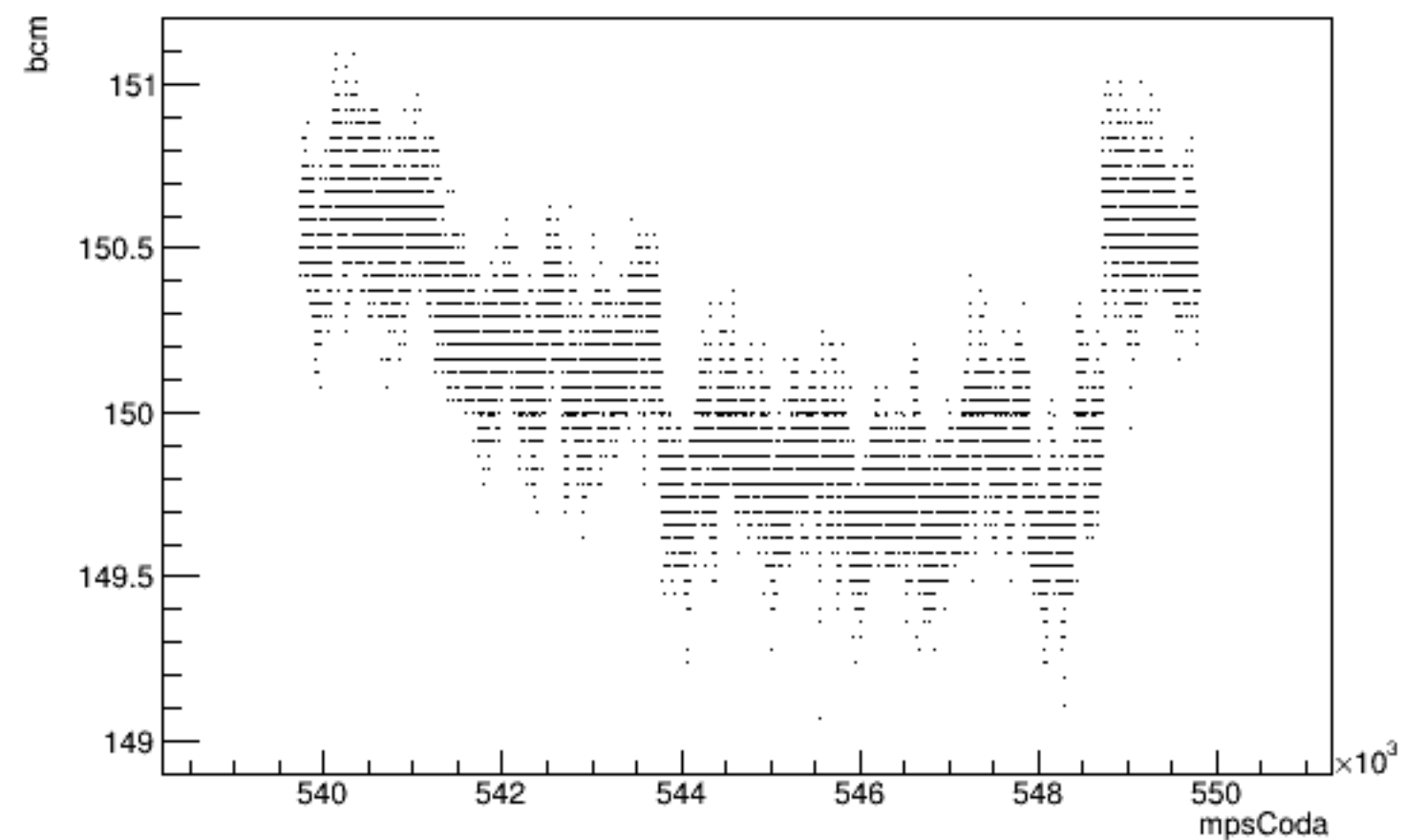
beamState + 1:mpsCoda {mpsCoda>=539728 && mpsCoda<=549791}



cavPowerCalibrated:mpsCoda {mpsCoda>=539728 && mpsCoda<=549791}



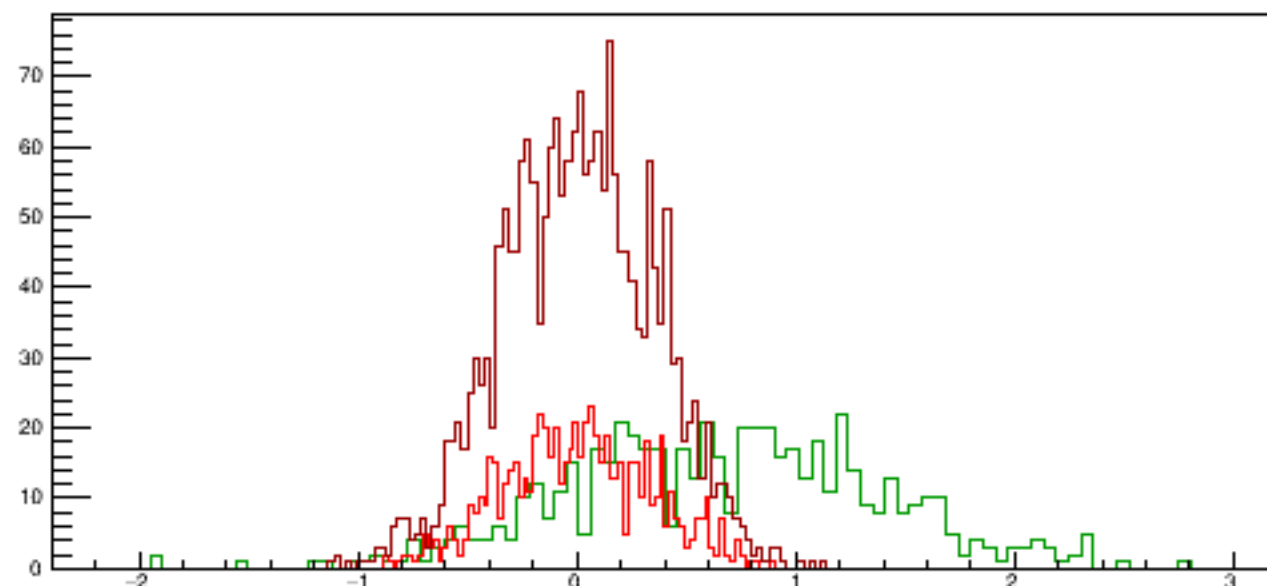
bcm:mpsCoda {mpsCoda>=539728 && mpsCoda<=549791}



Cycle 34, Diffs

Entries: 695	Entries: 570	Entries: 2064
Mean: 0.0022 +/- 0.0129	Mean: 0.6719 +/- 0.0300	Mean: 0.0060 +/- 0.0076
Std Dev: 0.3401 +/- 0.0091	Std Dev: 0.7174 +/- 0.0212	Std Dev: 0.3472 +/- 0.0054

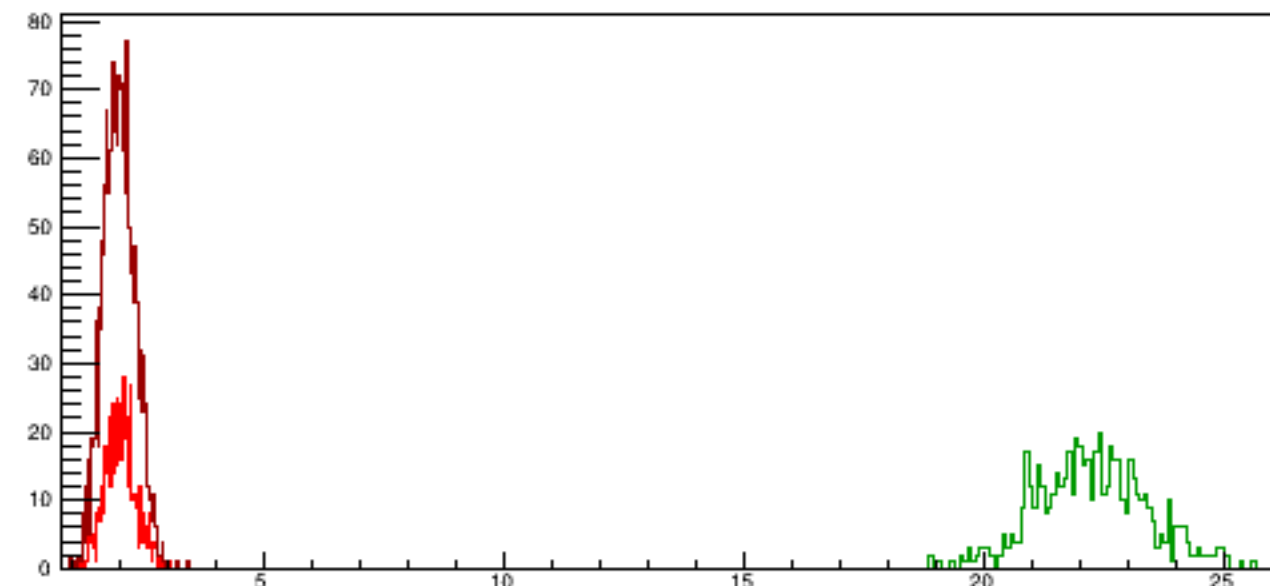
Run 5204 quartetwise, Diffs



Cycle 34, Sums

Entries: 695	Entries: 570	Entries: 2064
Mean: 1.9960 +/- 0.0126	Mean: 22.2486 +/- 0.0491	Mean: 1.9643 +/- 0.0073
Std Dev: 0.3317 +/- 0.0089	Std Dev: 1.1728 +/- 0.0347	Std Dev: 0.3302 +/- 0.0051

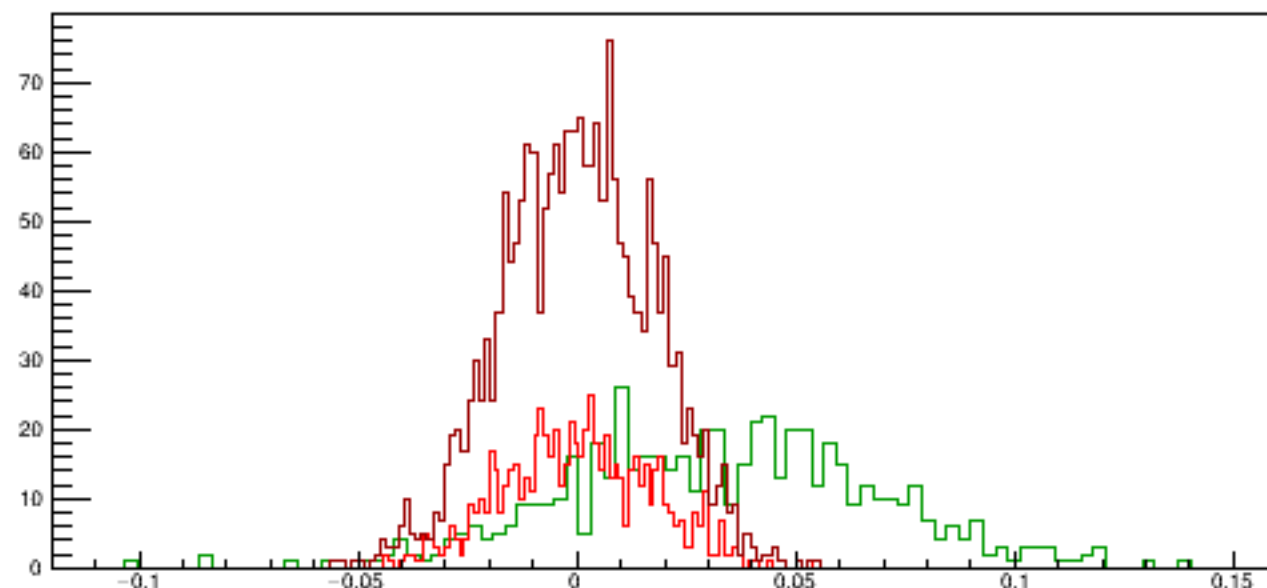
Run 5204 quartetwise, Sums



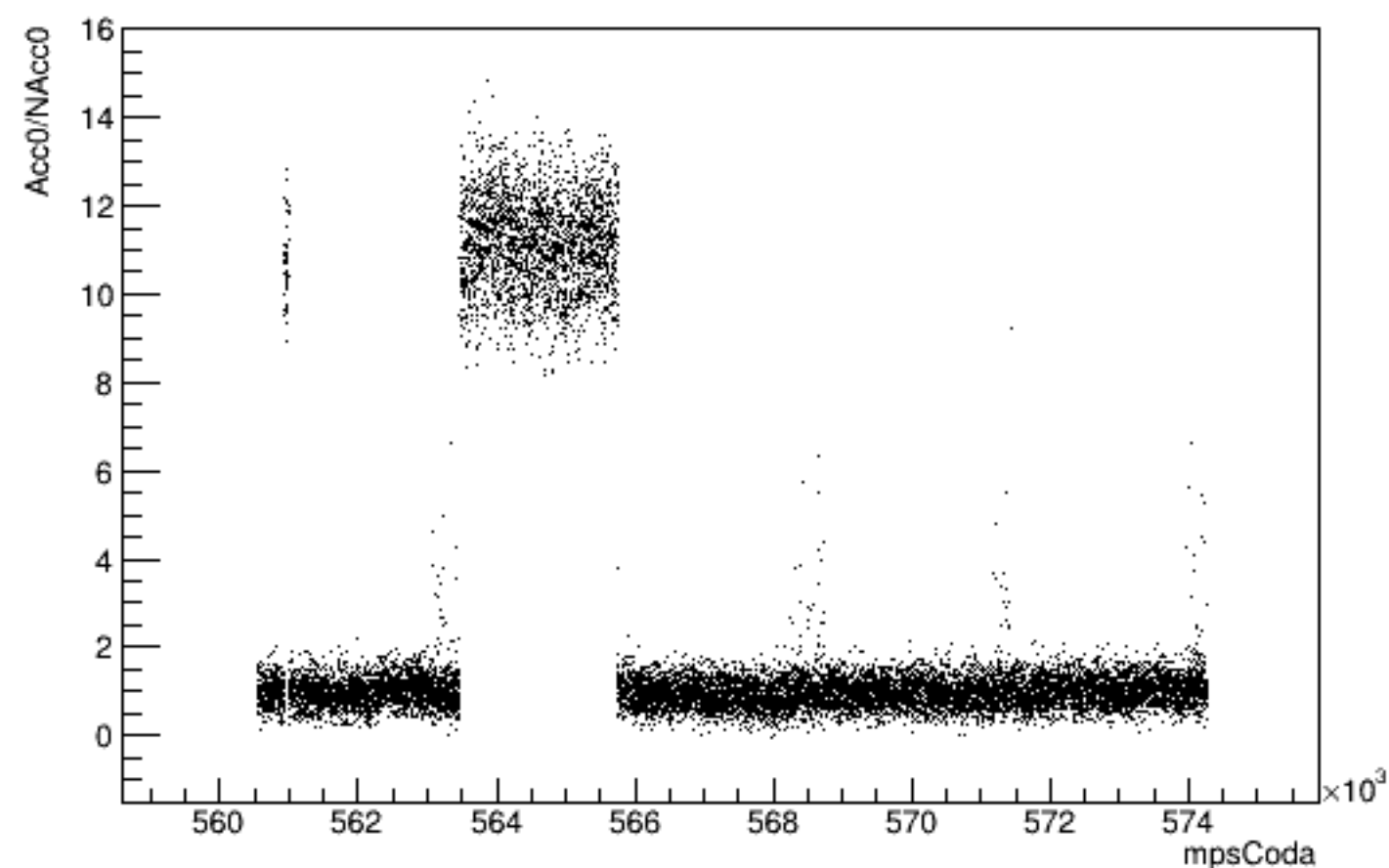
Cycle 34, Asyms

Entries: 695	Entries: 570	Entries: 2064
Mean: 0.0001 +/- 0.0006	Mean: 0.0331 +/- 0.0015	Mean: 0.0003 +/- 0.0004
Std Dev: 0.0168 +/- 0.0005	Std Dev: 0.0357 +/- 0.0011	Std Dev: 0.0171 +/- 0.0003

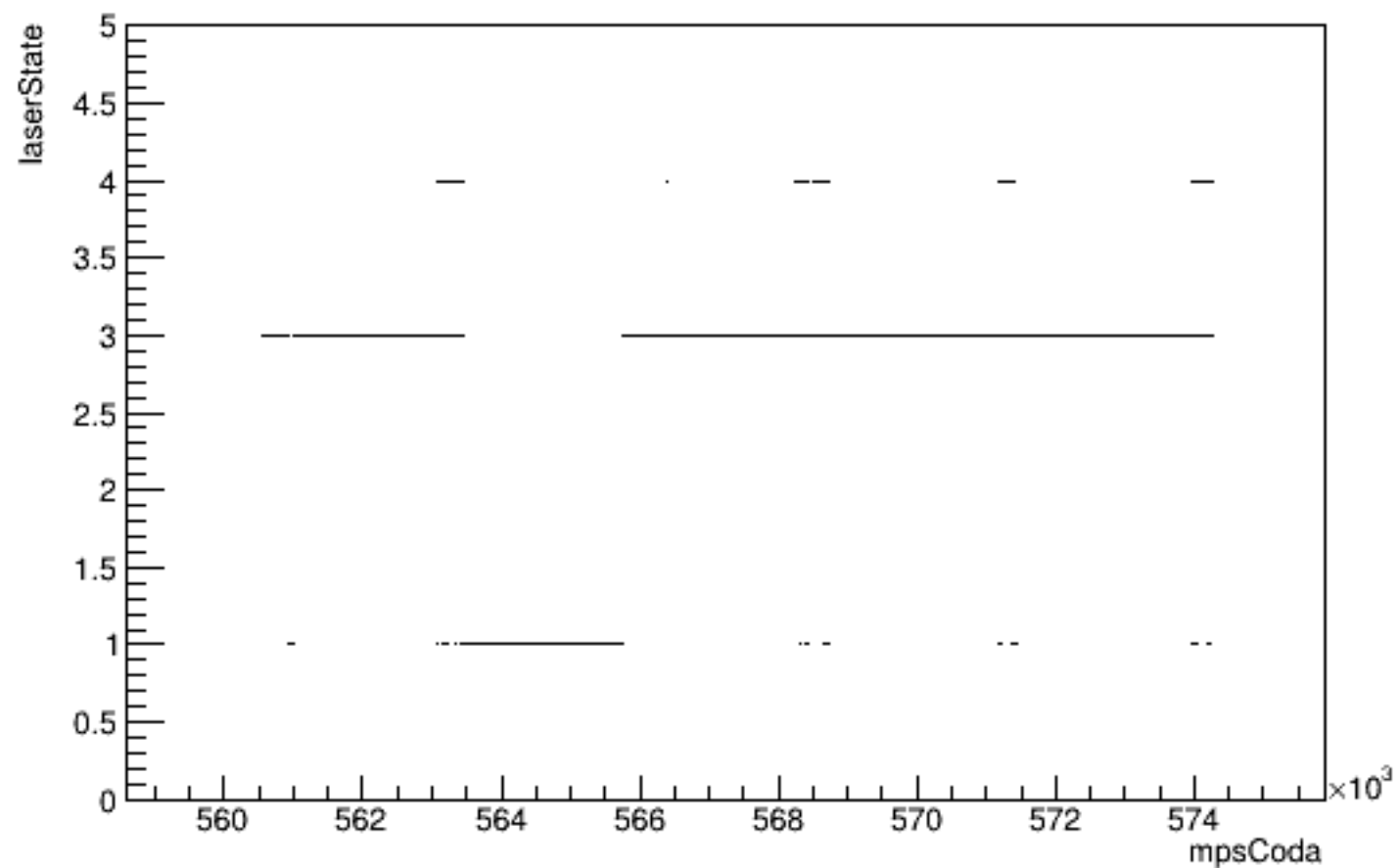
Run 5204 quartetwise, Asyms



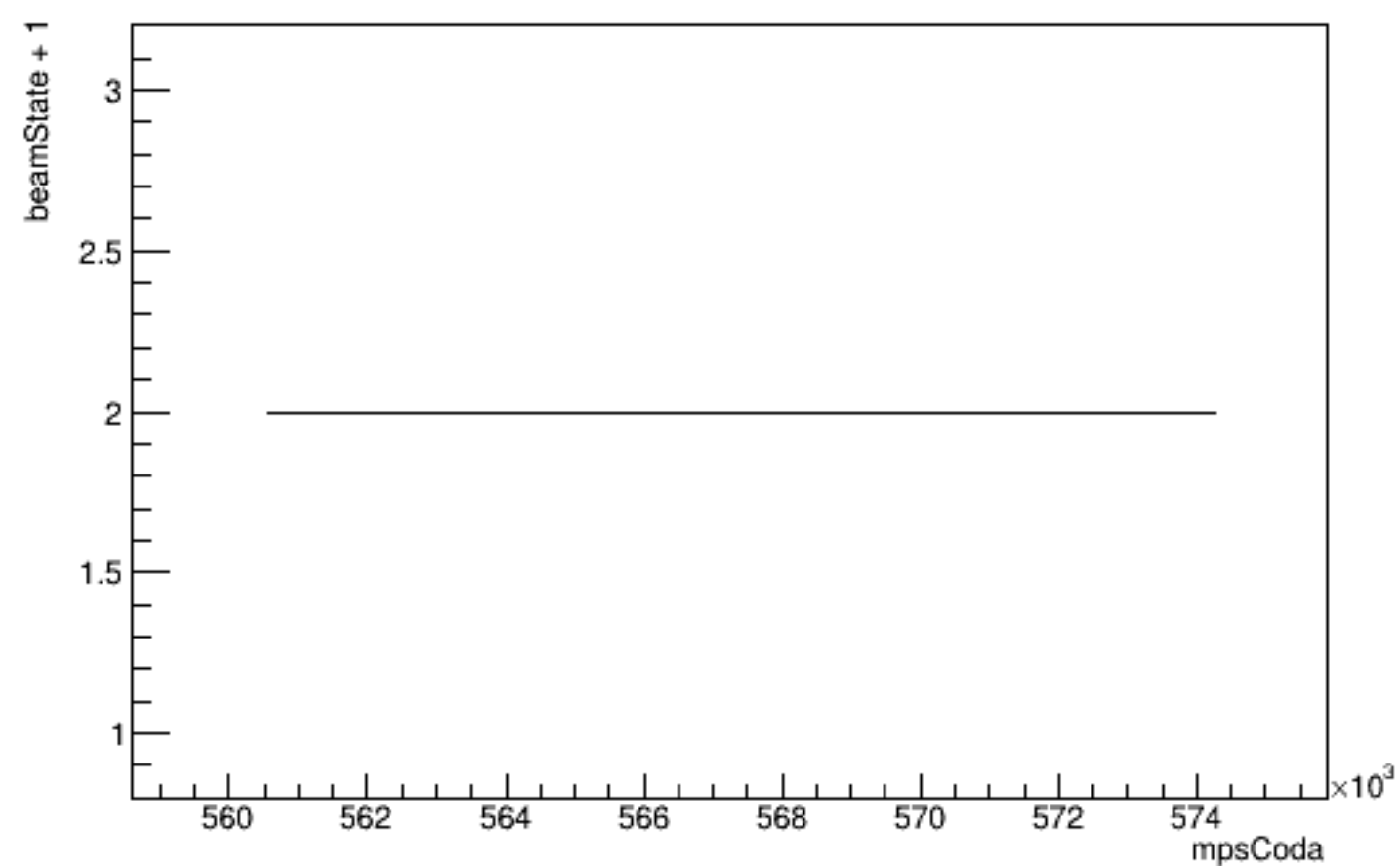
Acc0/NAcc0:mpsCoda (mpsCoda>=560552 && mpsCoda<=574263 && beamState==1)



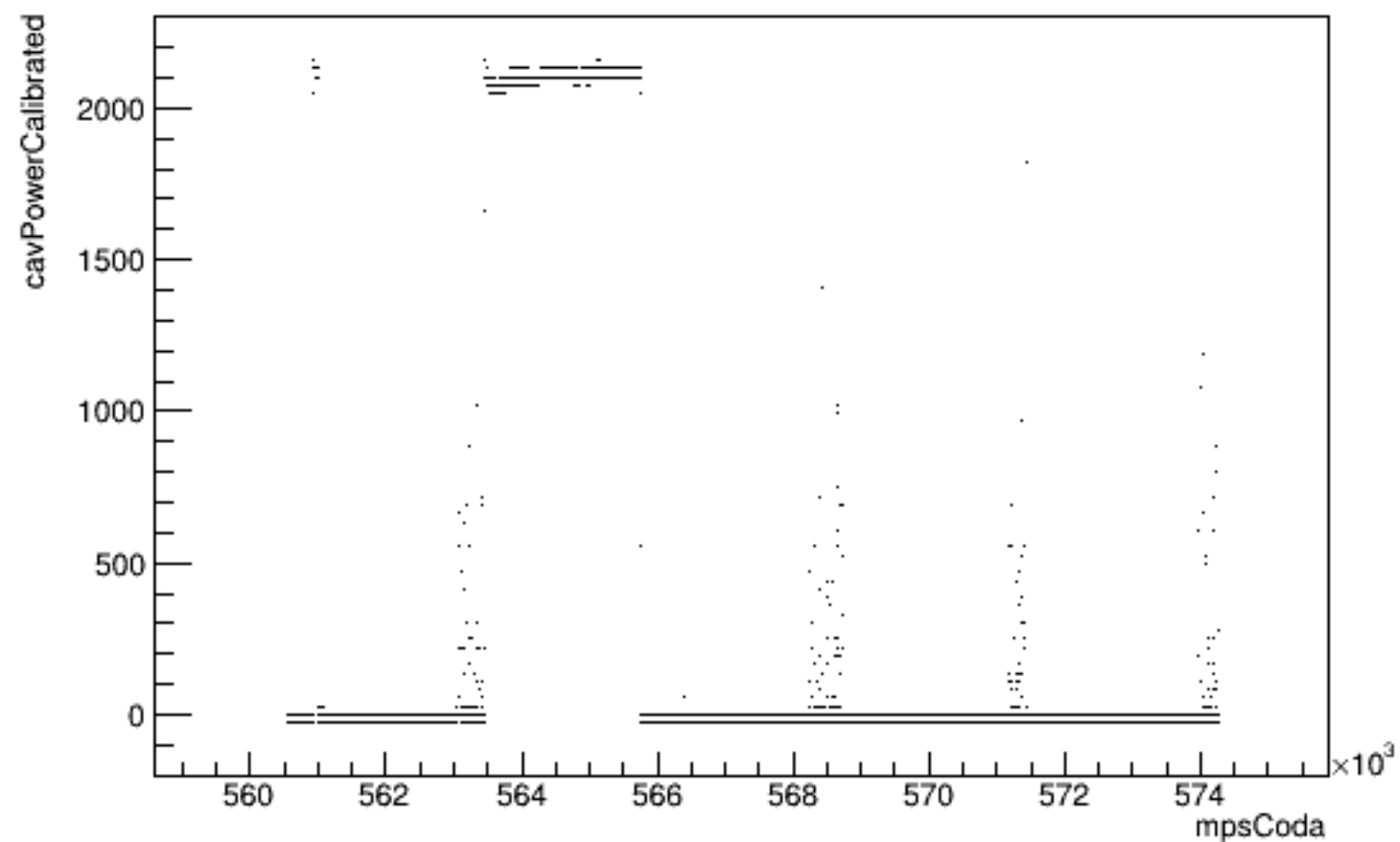
laserState:mpsCoda {mpsCoda>=560552 && mpsCoda<=574263}



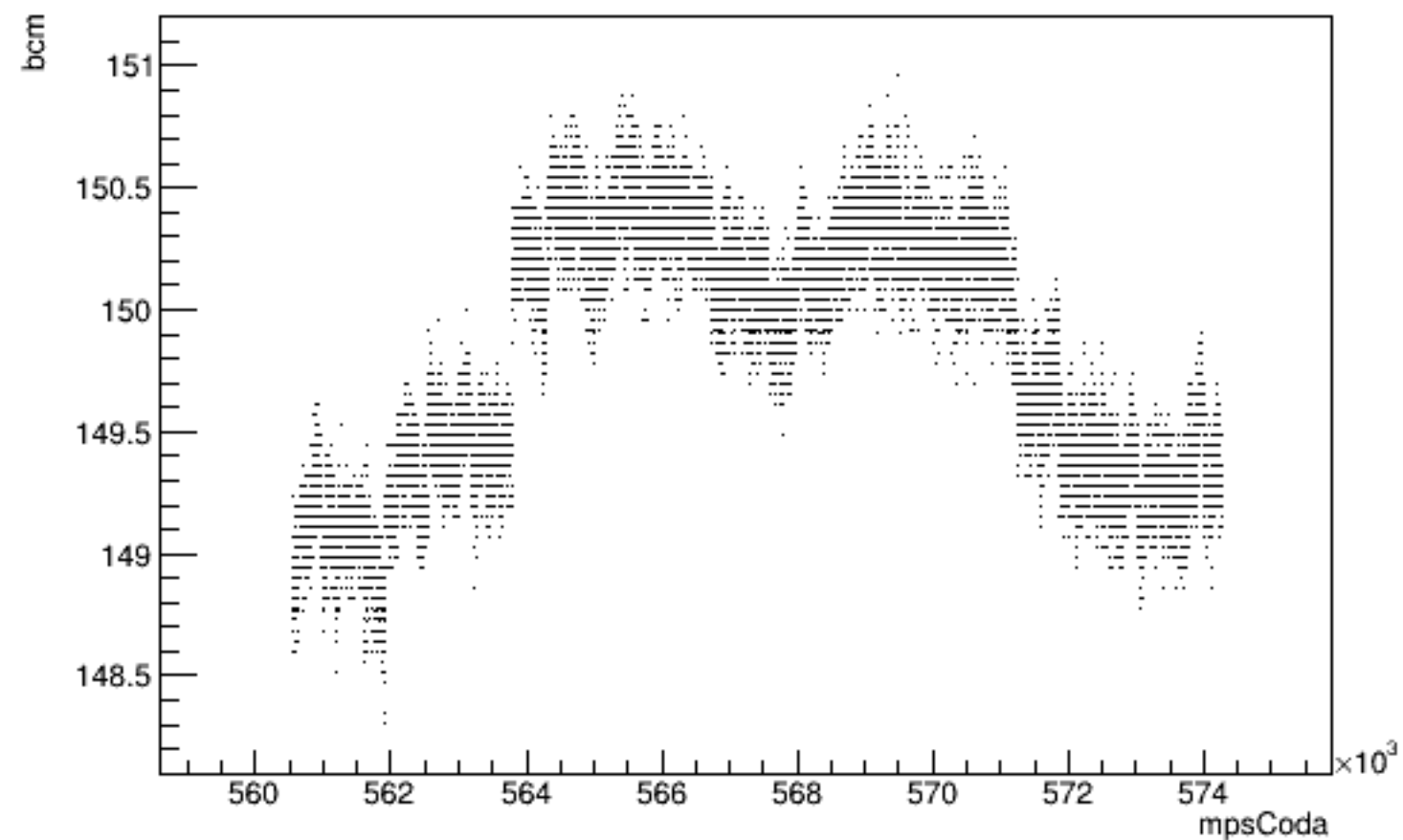
beamState + 1:mpsCoda {mpsCoda>=560552 && mpsCoda<=574263}



cavPowerCalibrated:mpsCoda {mpsCoda>=560552 && mpsCoda<=574263}



bcm:mpsCoda {mpsCoda>=560552 && mpsCoda<=574263}



Cycle 35, Diffs

Entries: 4647

Mean: 0.0090 +/- 0.0053

Std Dev: 0.3582 +/- 0.0037

Entries: 492

Mean: 0.5810 +/- 0.0284

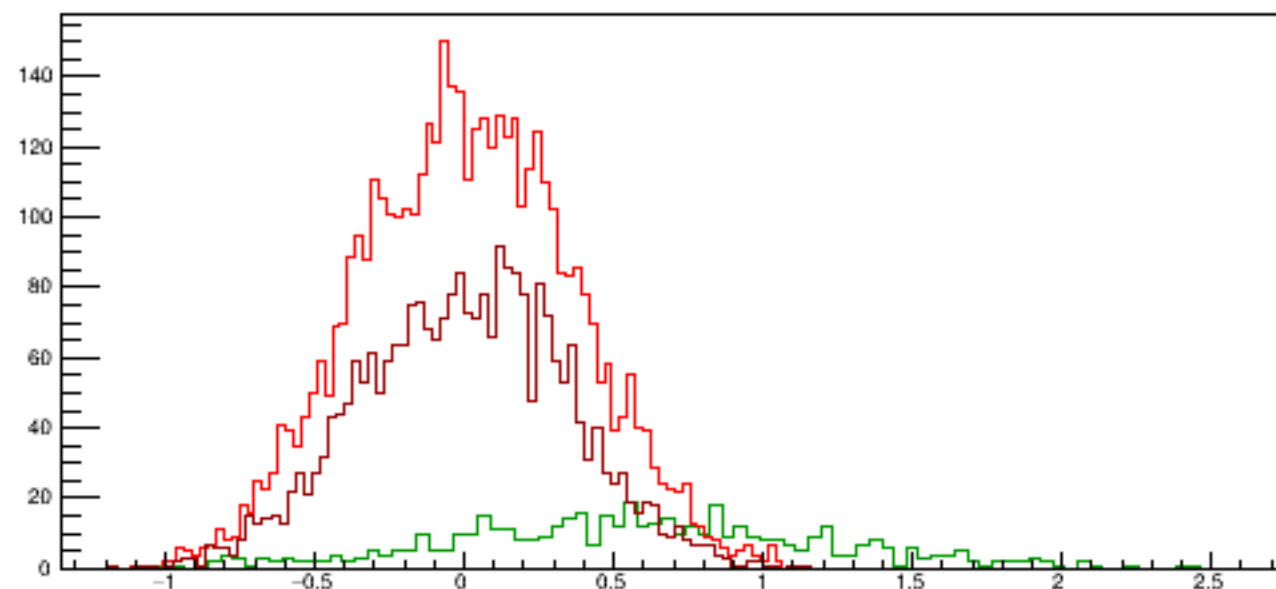
Std Dev: 0.6305 +/- 0.0201

Entries: 2651

Mean: 0.0002 +/- 0.0068

Std Dev: 0.3476 +/- 0.0048

Run 5204 quartetwise, Diffs



Cycle 35, Sums

Entries: 4647

Mean: 1.8495 +/- 0.0055

Std Dev: 0.3754 +/- 0.0039

Entries: 492

Mean: 21.1165 +/- 0.0389

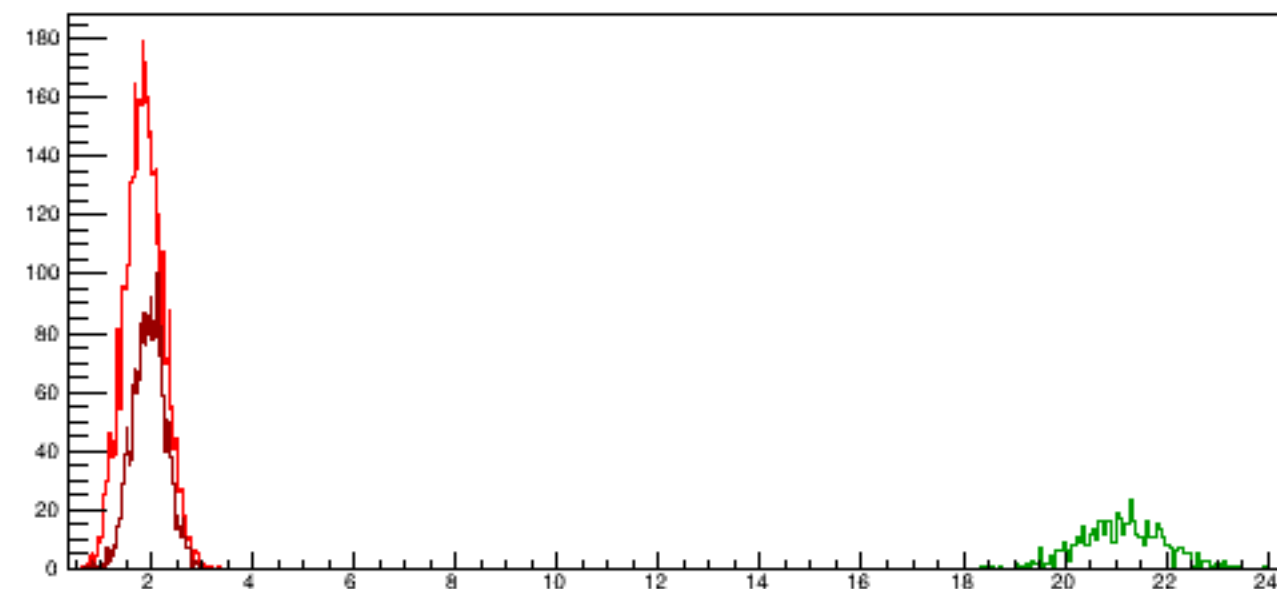
Std Dev: 0.8618 +/- 0.0275

Entries: 2651

Mean: 1.9487 +/- 0.0064

Std Dev: 0.3303 +/- 0.0045

Run 5204 quartetwise, Sums



Cycle 35, Asyms

Entries: 4647

Mean: 0.0005 +/- 0.0003

Std Dev: 0.0186 +/- 0.0002

Entries: 492

Mean: 0.0304 +/- 0.0015

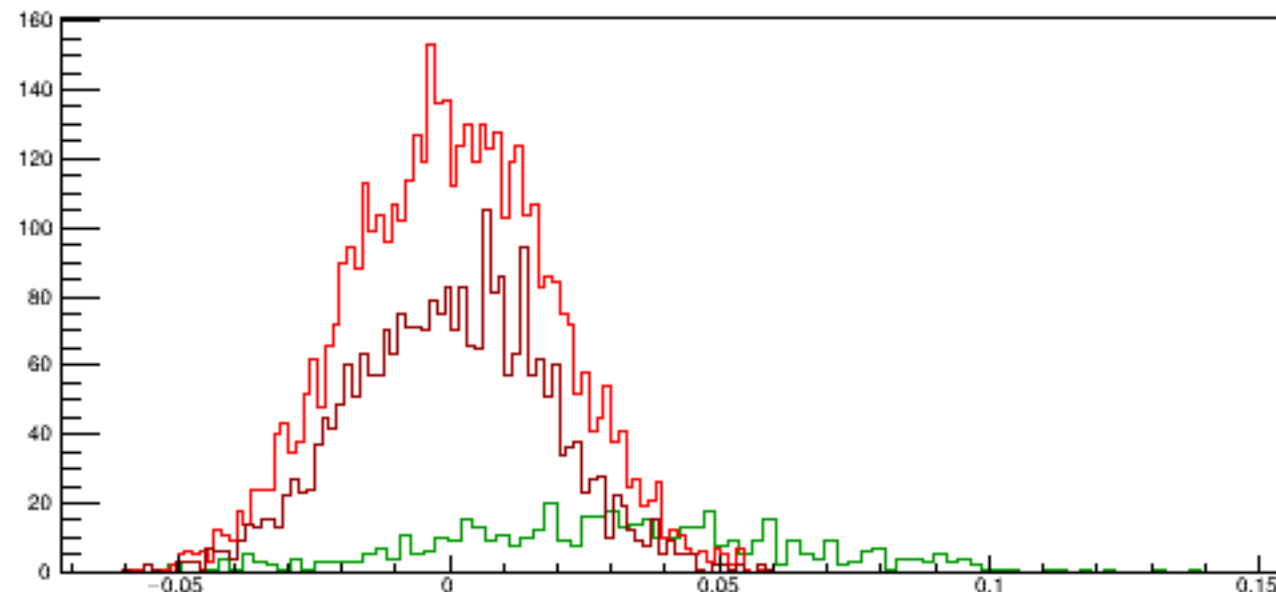
Std Dev: 0.0331 +/- 0.0011

Entries: 2651

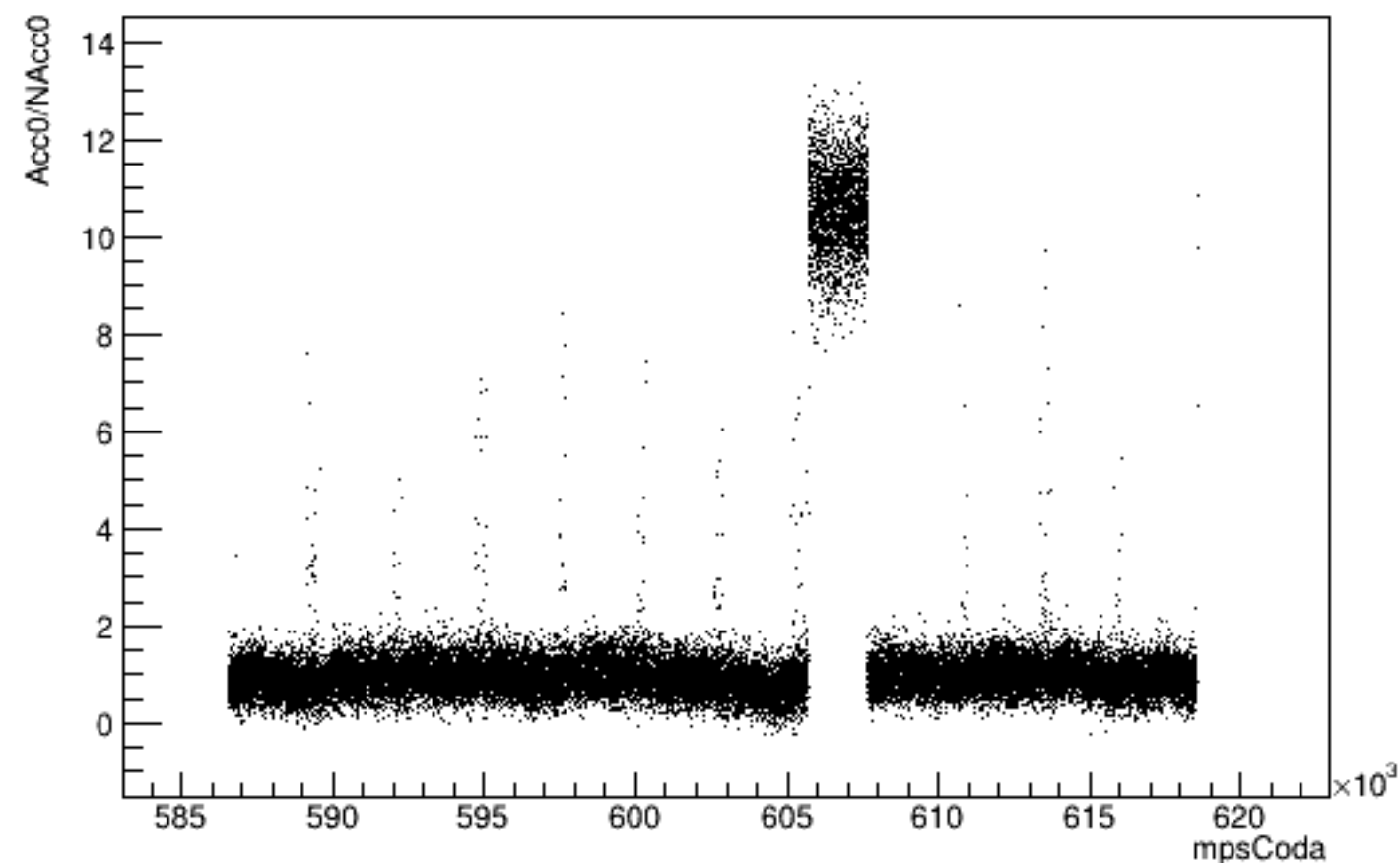
Mean: 0.0000 +/- 0.0004

Std Dev: 0.0181 +/- 0.0002

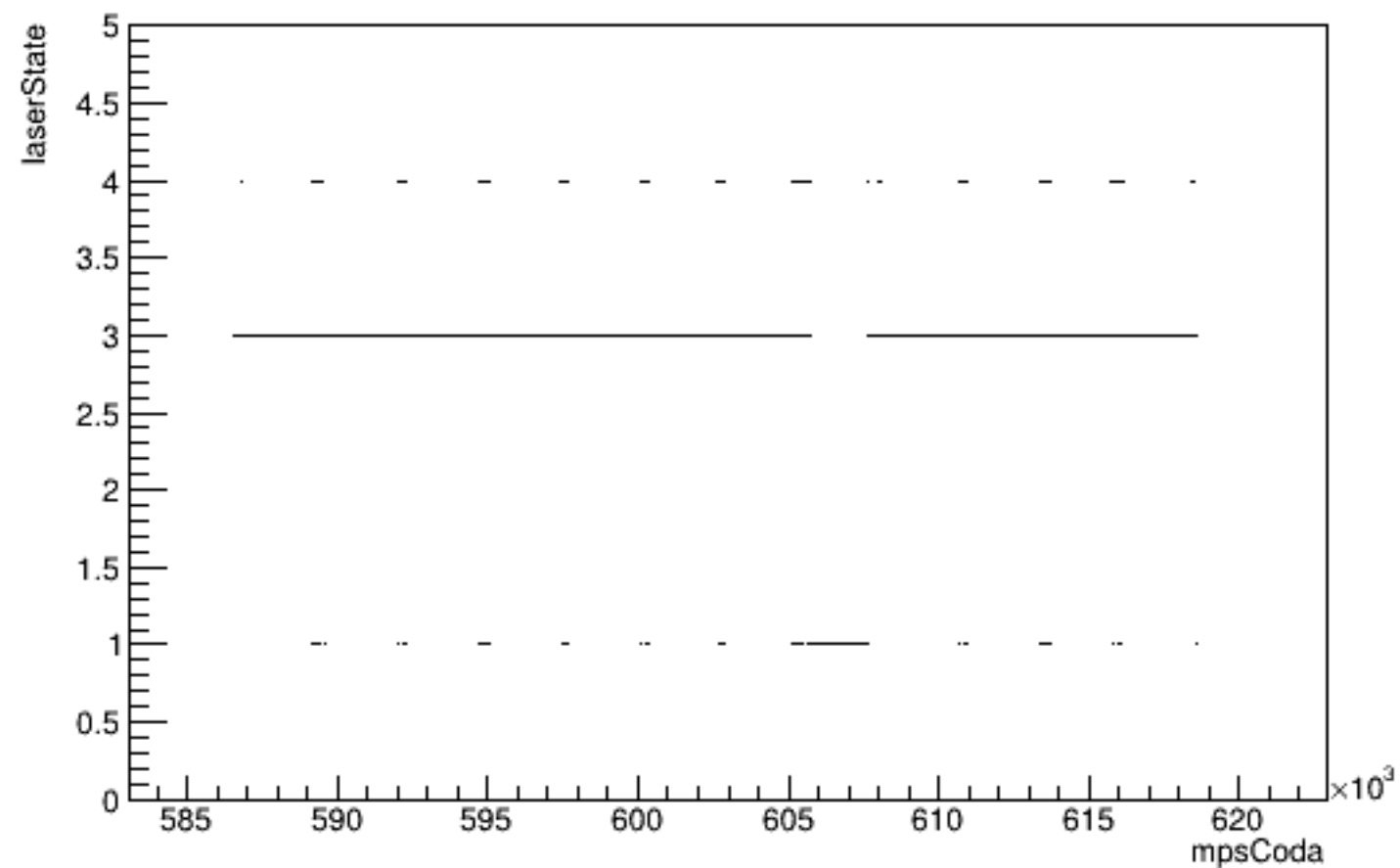
Run 5204 quartetwise, Asyms



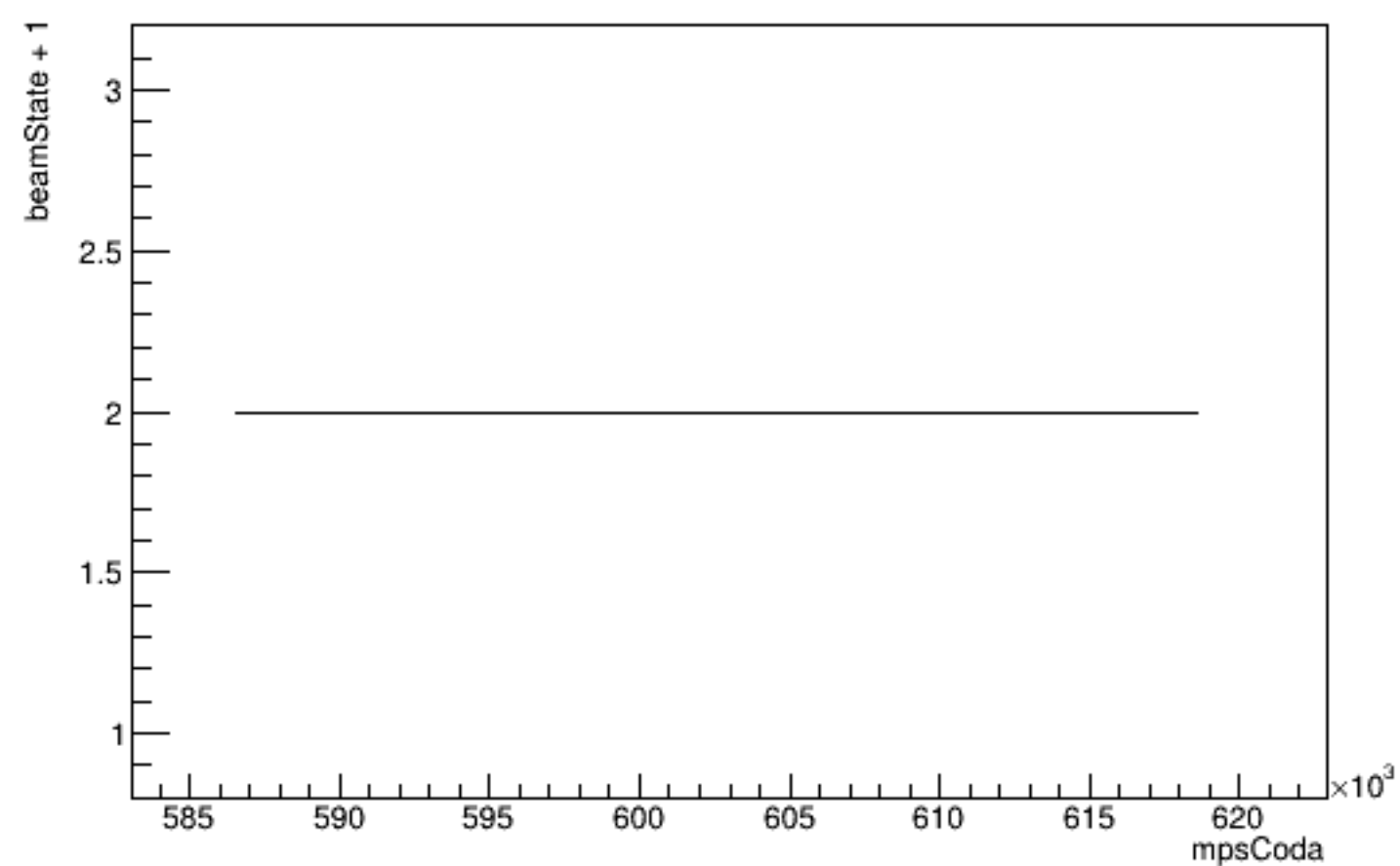
Acc0/NAcc0:mpsCoda (mpsCoda>=586540 && mpsCoda<=618555 && beamState==1)



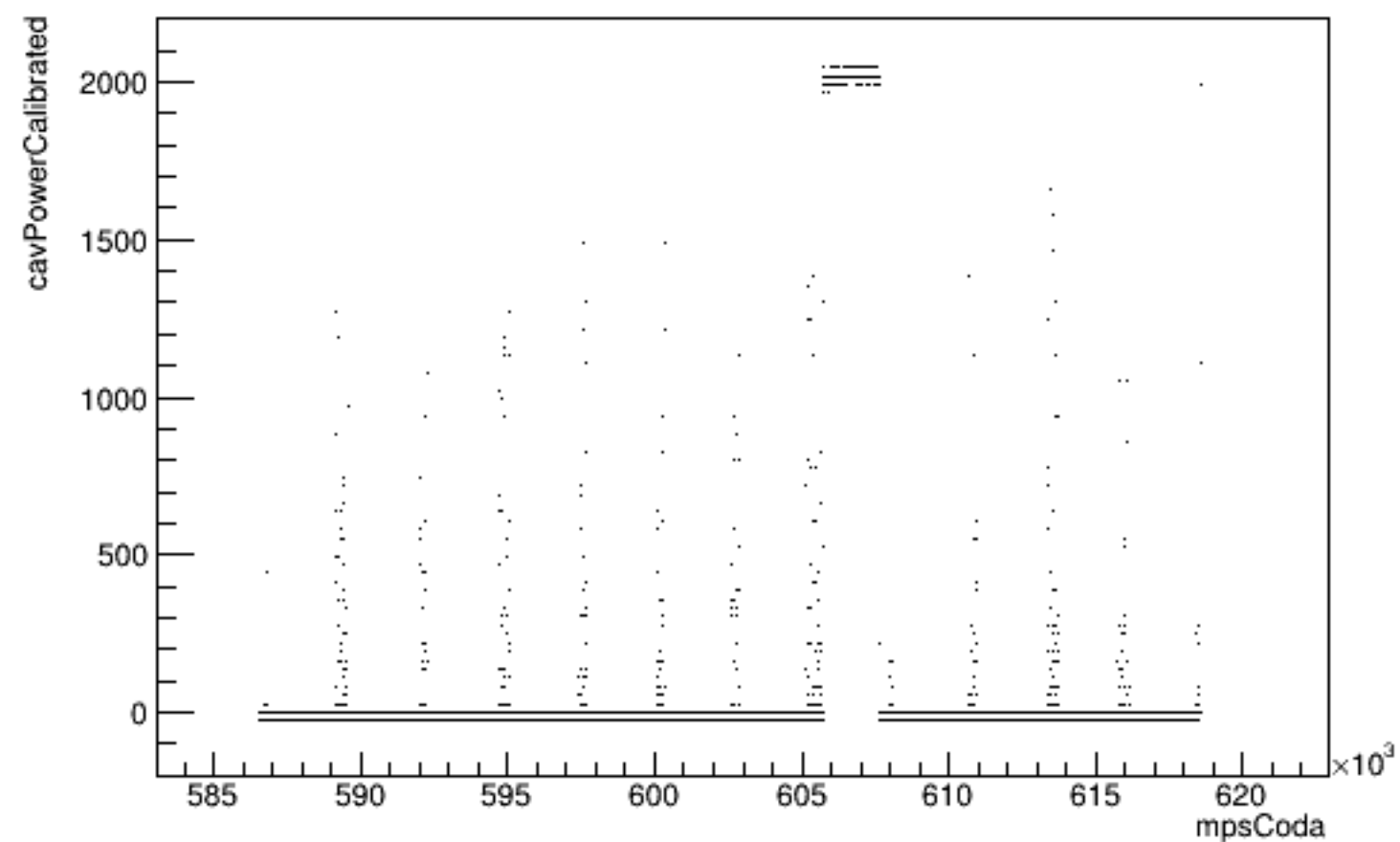
laserState:mpsCoda {mpsCoda>=586540 && mpsCoda<=618555}



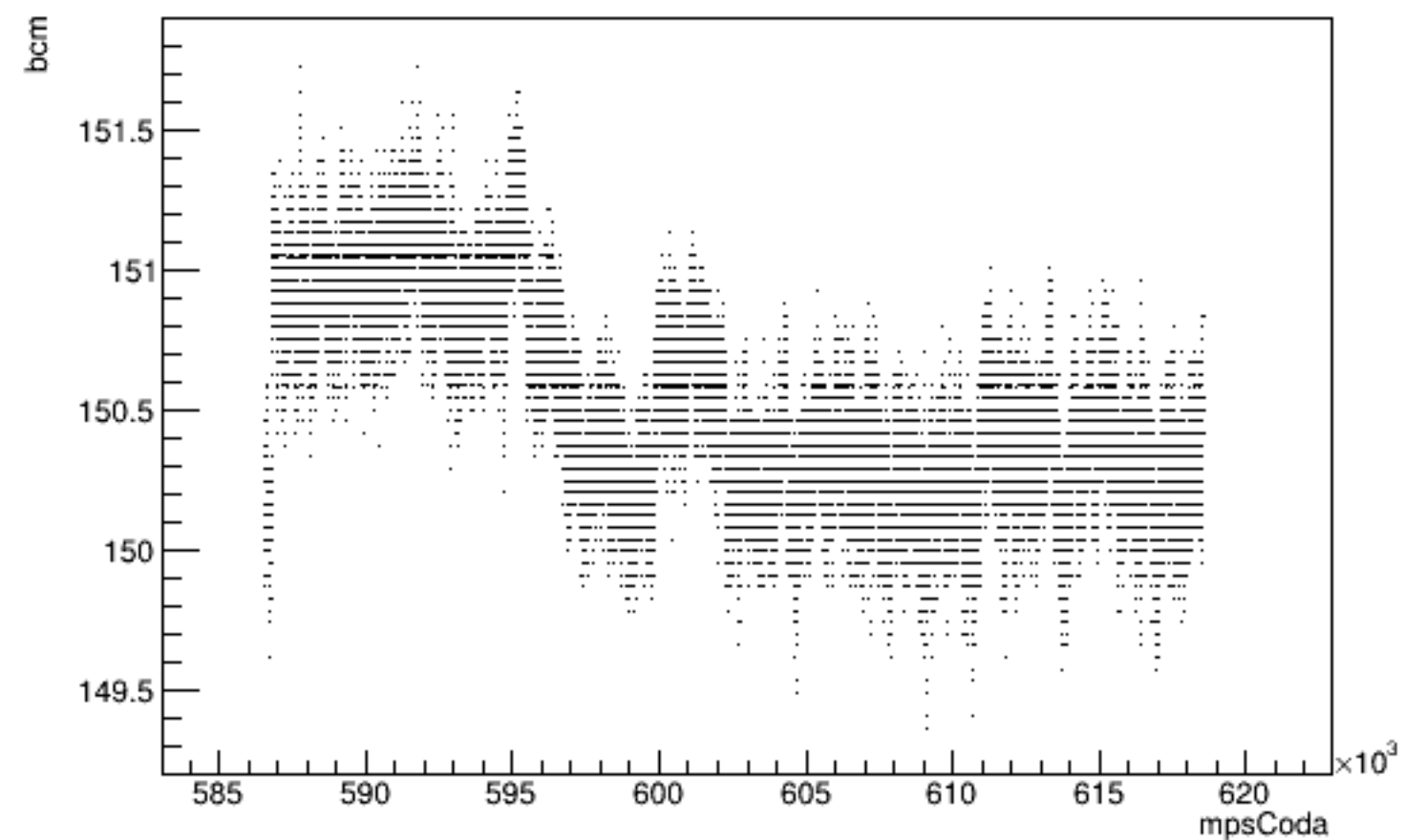
beamState + 1:mpsCoda {mpsCoda>=586540 && mpsCoda<=618555}



cavPowerCalibrated:mpsCoda {mpsCoda>=586540 && mpsCoda<=618555}



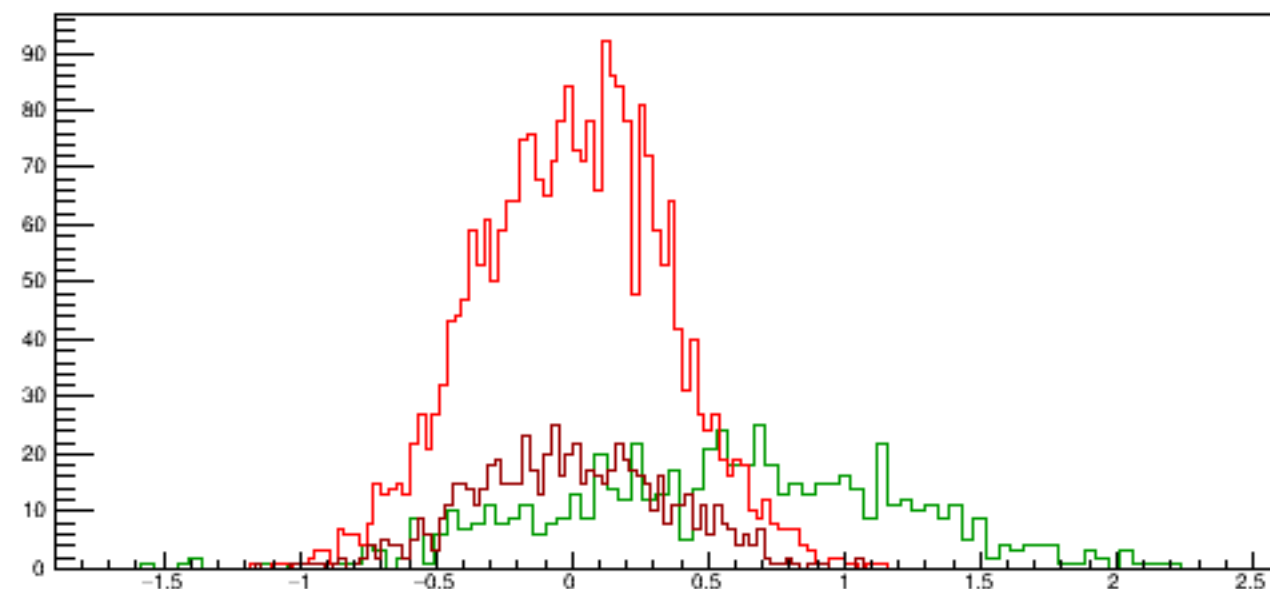
bcm:mpsCoda {mpsCoda>=586540 && mpsCoda<=618555}



Cycle 36, Diffs

Entries: 2651	Entries: 644	Entries: 704
Mean: 0.0002 +/- 0.0068	Mean: 0.5538 +/- 0.0256	Mean: -0.0039 +/- 0.0137
Std Dev: 0.3476 +/- 0.0048	Std Dev: 0.6486 +/- 0.0181	Std Dev: 0.3644 +/- 0.0097

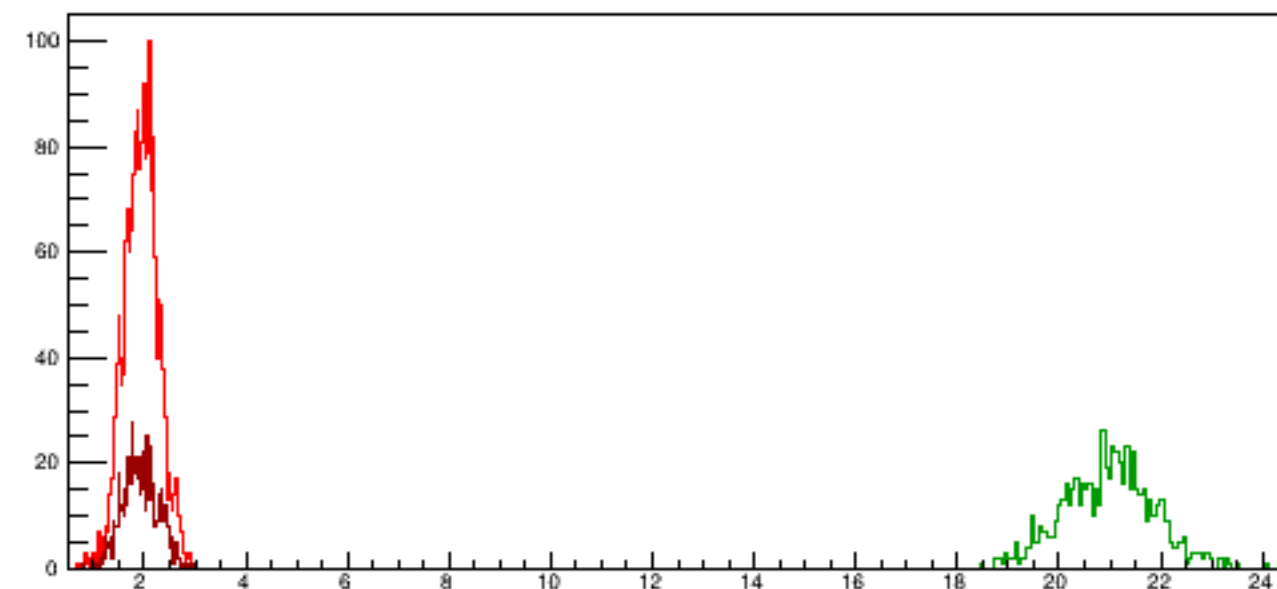
Run 5204 quartetwise, Diffs



Cycle 36, Sums

Entries: 2651	Entries: 644	Entries: 704
Mean: 1.9487 +/- 0.0064	Mean: 20.9652 +/- 0.0353	Mean: 1.9205 +/- 0.0132
Std Dev: 0.3303 +/- 0.0045	Std Dev: 0.8956 +/- 0.0250	Std Dev: 0.3512 +/- 0.0094

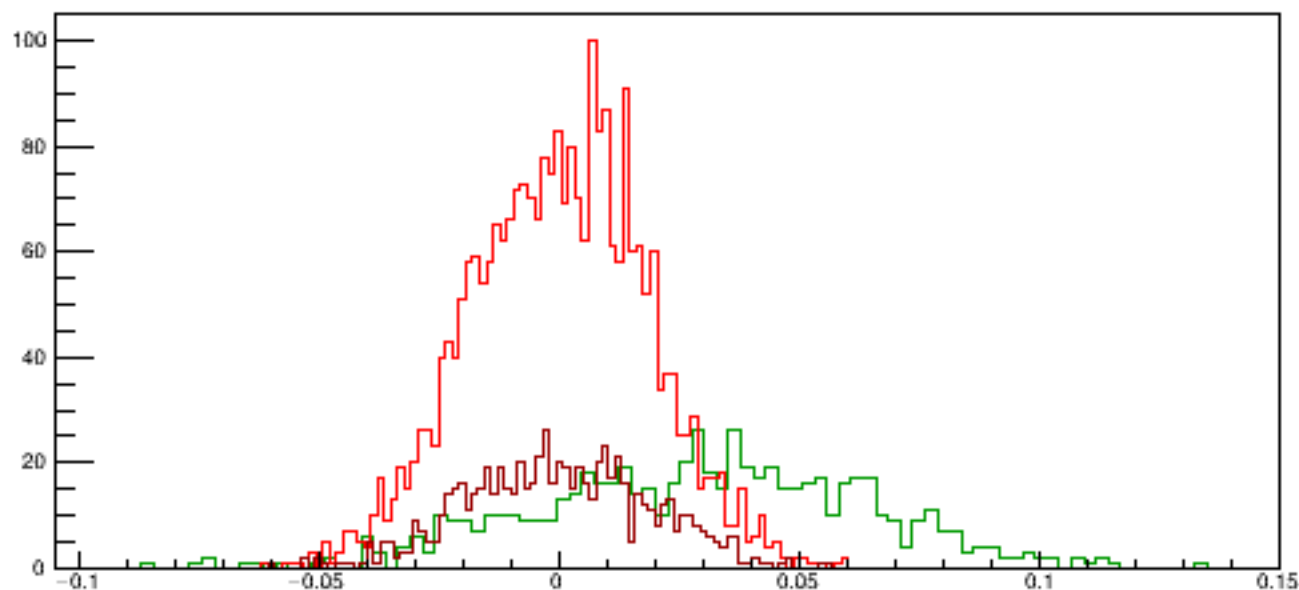
Run 5204 quartetwise, Sums



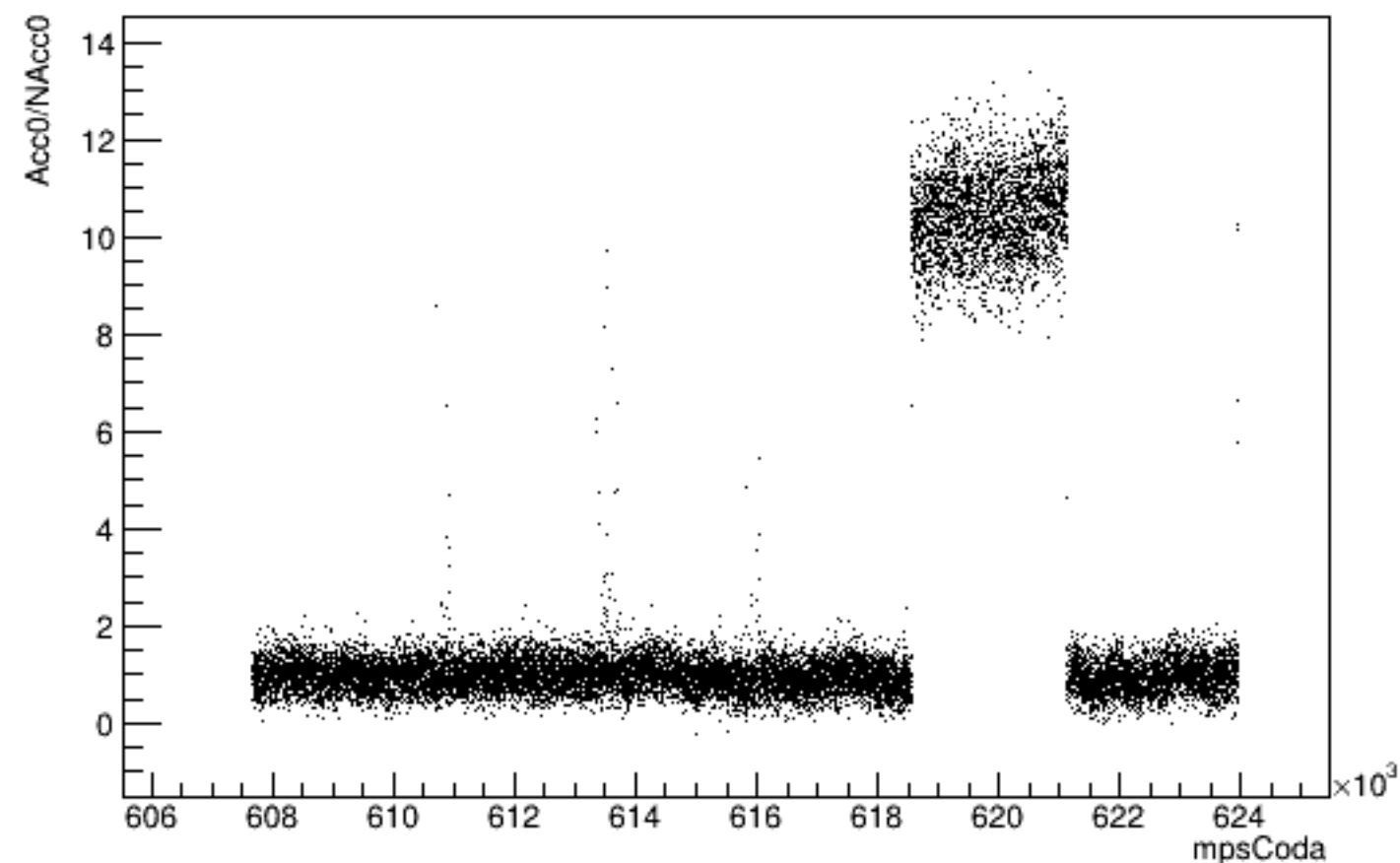
Cycle 36, Asyms

Entries: 2651	Entries: 644	Entries: 704
Mean: 0.0000 +/- 0.0004	Mean: 0.0292 +/- 0.0014	Mean: -0.0002 +/- 0.0007
Std Dev: 0.0183 +/- 0.0003	Std Dev: 0.0343 +/- 0.0010	Std Dev: 0.0191 +/- 0.0005

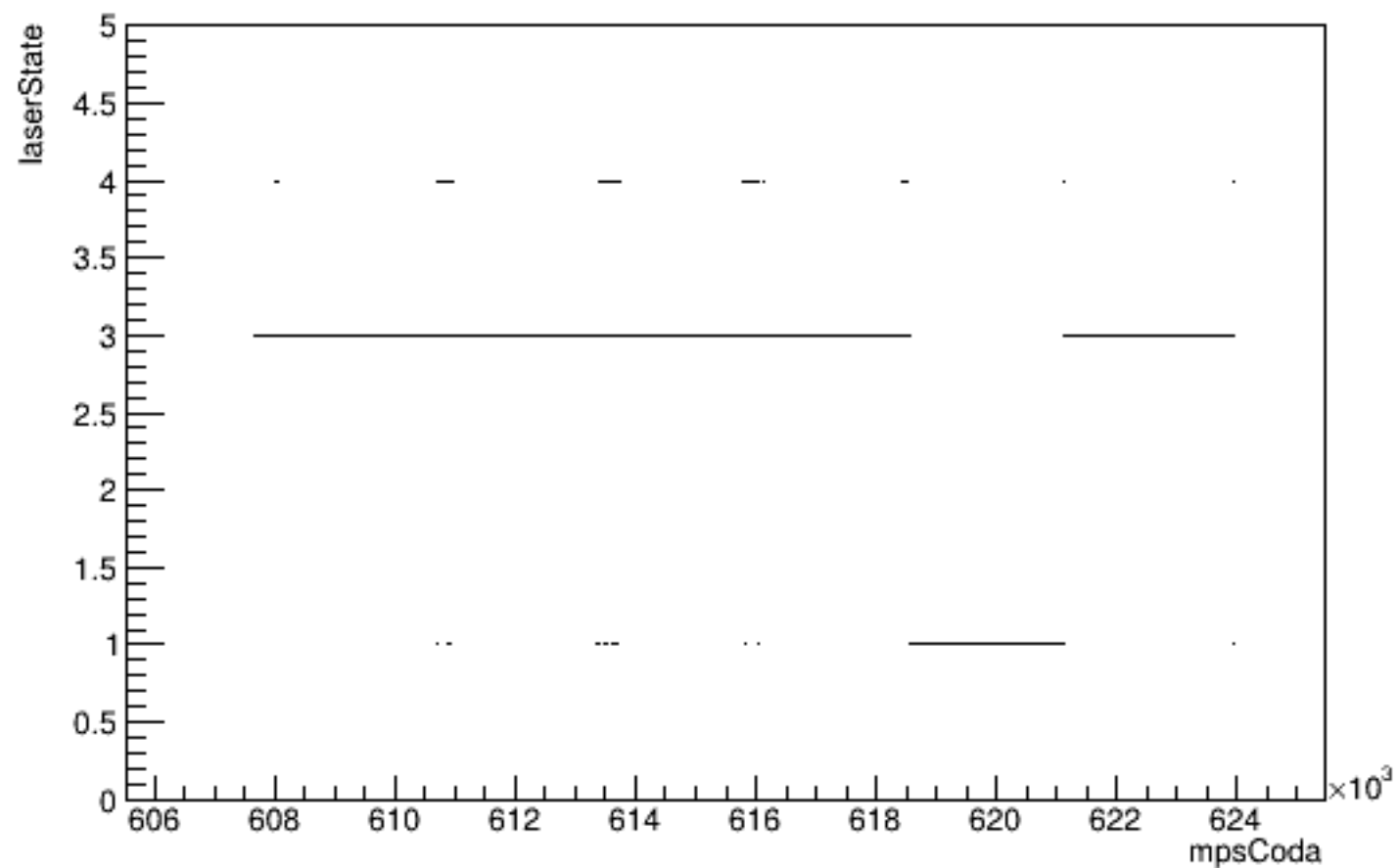
Run 5204 quartetwise, Asyms



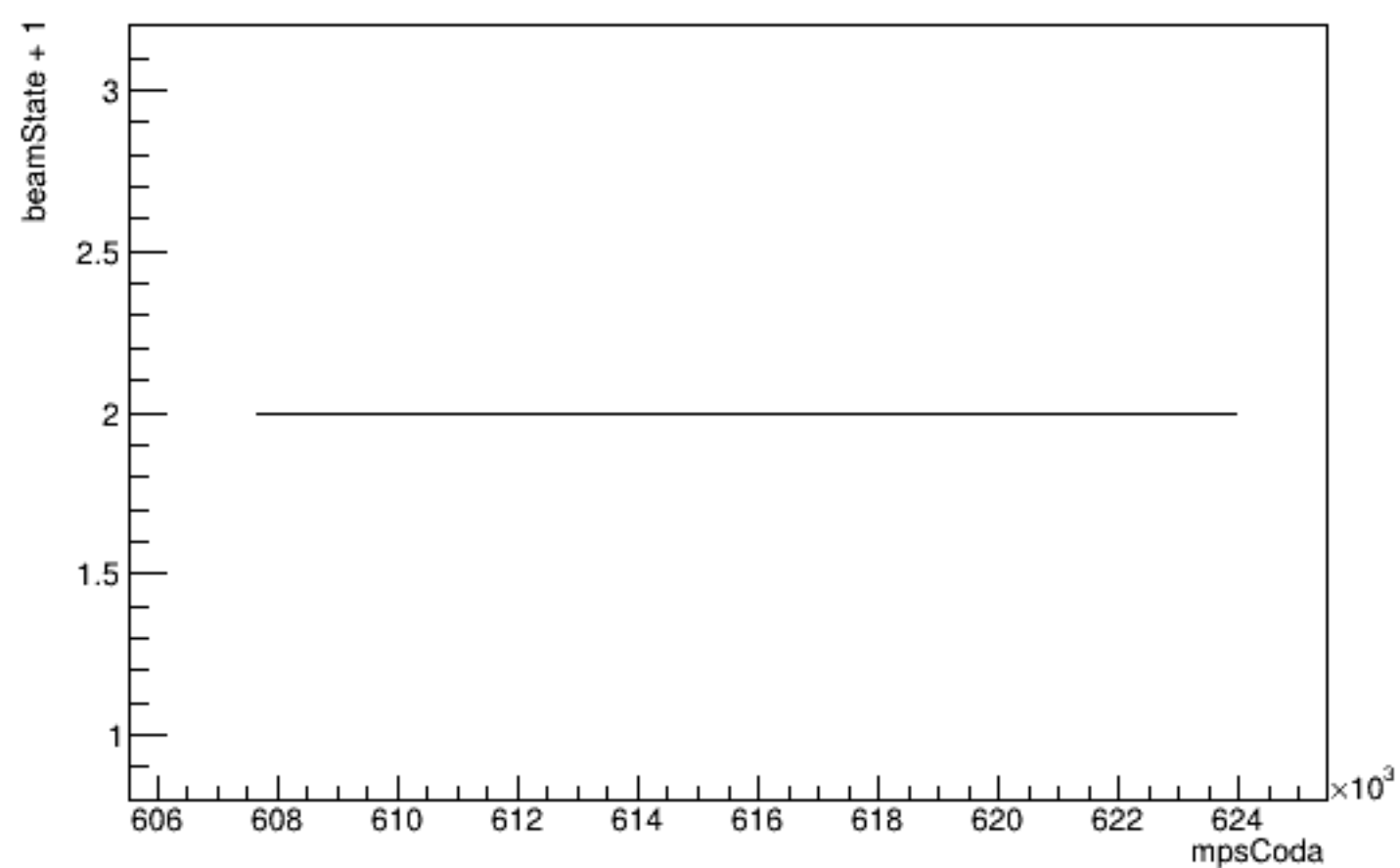
Acc0/NAcc0:mpsCoda (mpsCoda>=607672 && mpsCoda<=623959 && beamState==1)



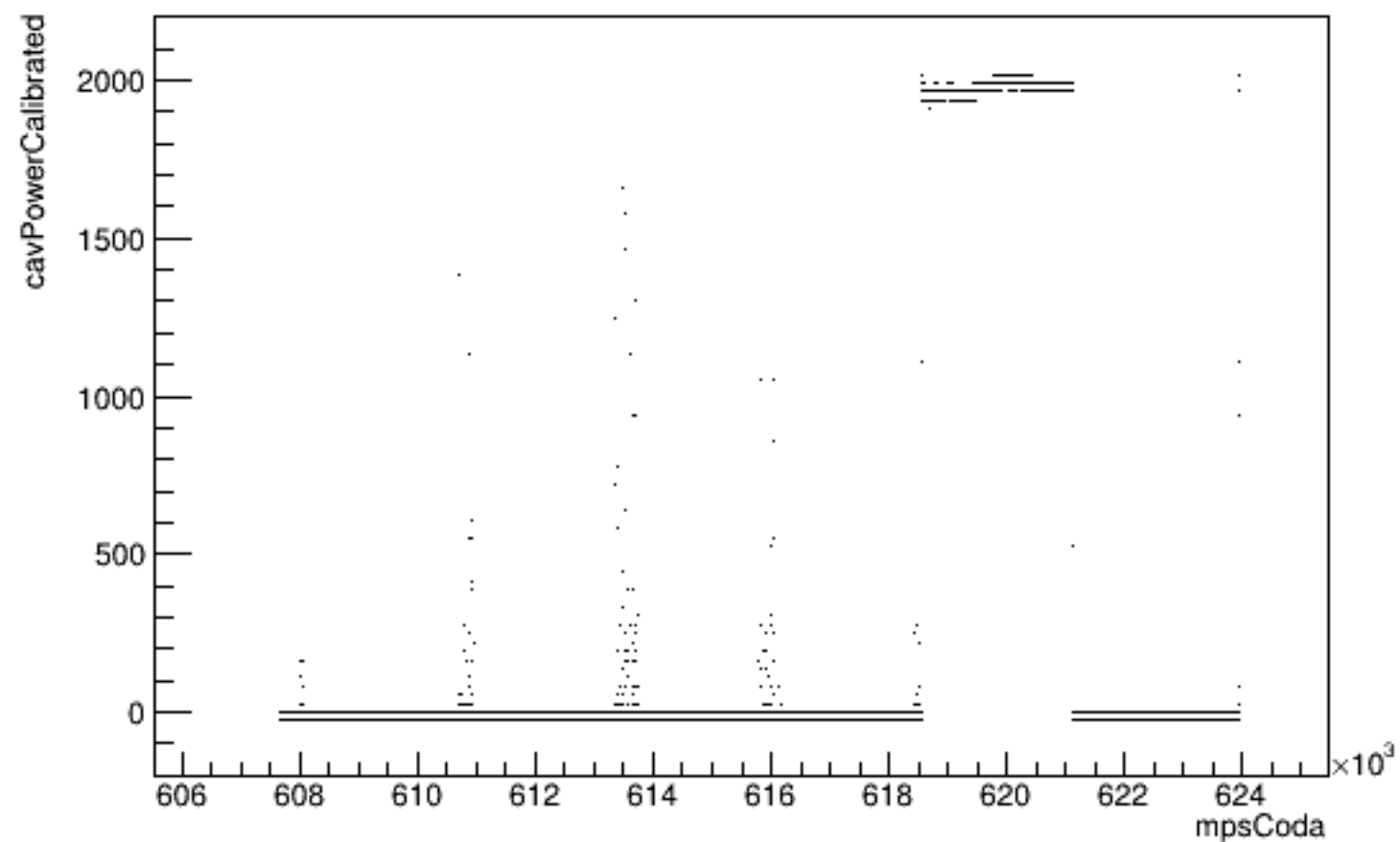
laserState:mpsCoda {mpsCoda>=607672 && mpsCoda<=623959}



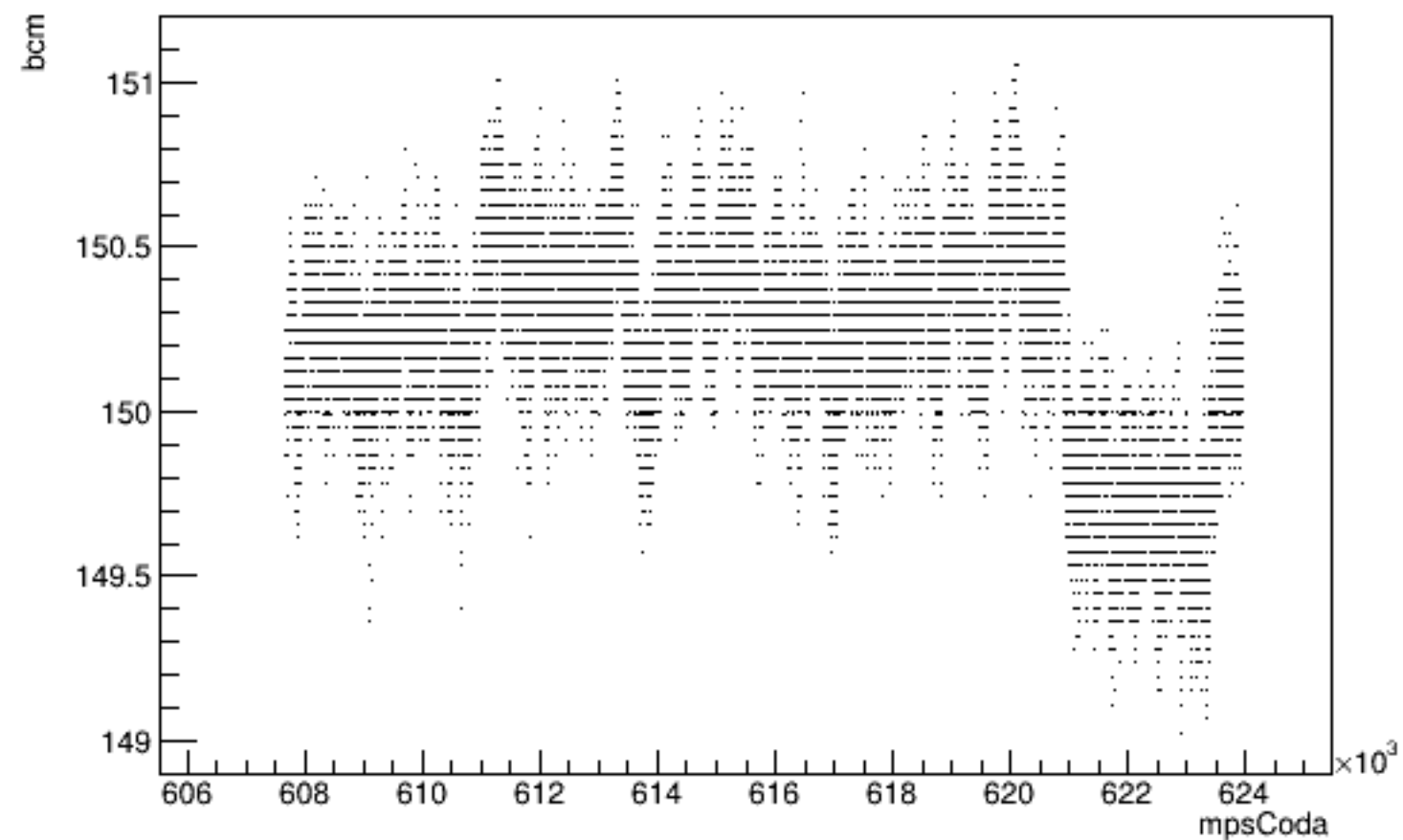
beamState + 1:mpsCoda {mpsCoda>=607672 && mpsCoda<=623959}



cavPowerCalibrated:mpsCoda {mpsCoda>=607672 && mpsCoda<=623959}



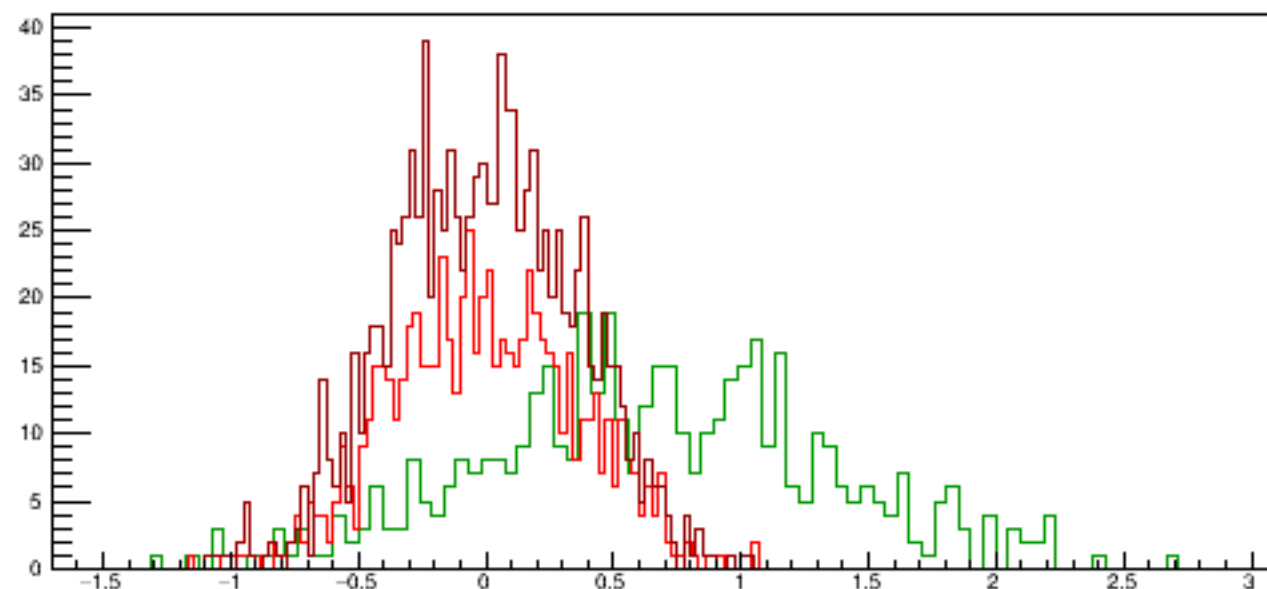
bcm:mpsCoda {mpsCoda>=607672 && mpsCoda<=623959}



Cycle 37, Diffs

Entries: 704	Entries: 470	Entries: 1152
Mean: -0.0039 +/- 0.0137	Mean: 0.6549 +/- 0.0319	Mean: -0.0080 +/- 0.0105
Std Dev: 0.3644 +/- 0.0097	Std Dev: 0.6918 +/- 0.0226	Std Dev: 0.3562 +/- 0.0074

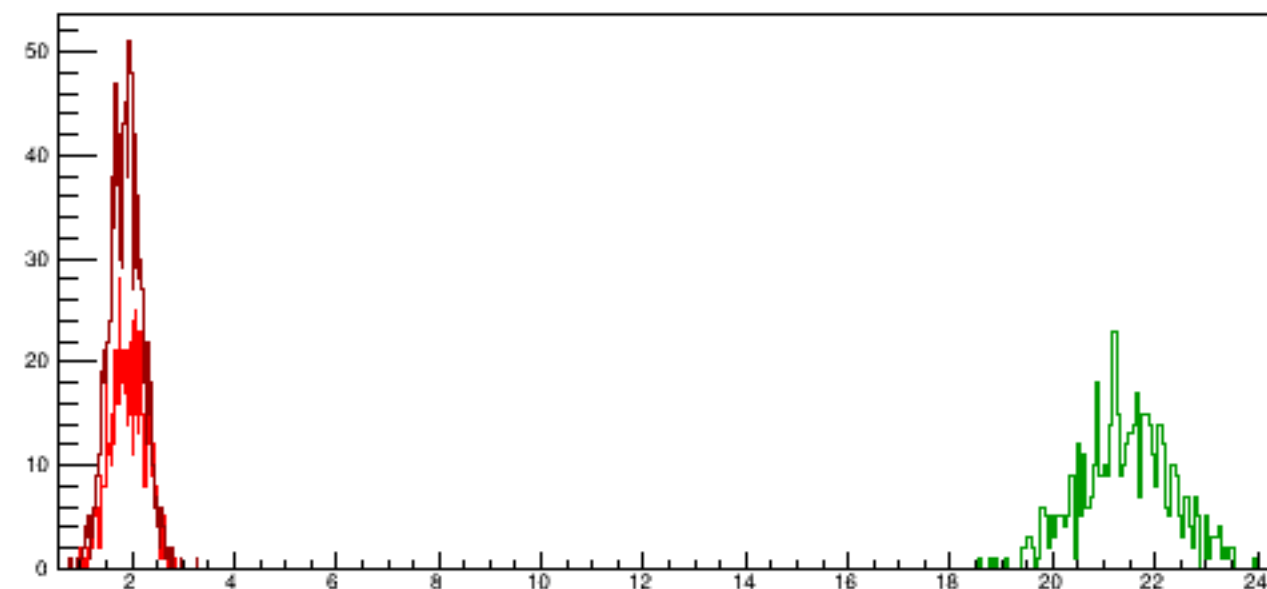
Run 5204 quartetwise, Diffs



Cycle 37, Sums

Entries: 704	Entries: 470	Entries: 1152
Mean: 1.9205 +/- 0.0132	Mean: 21.4250 +/- 0.0413	Mean: 1.8694 +/- 0.0094
Std Dev: 0.3512 +/- 0.0094	Std Dev: 0.8960 +/- 0.0292	Std Dev: 0.3204 +/- 0.0067

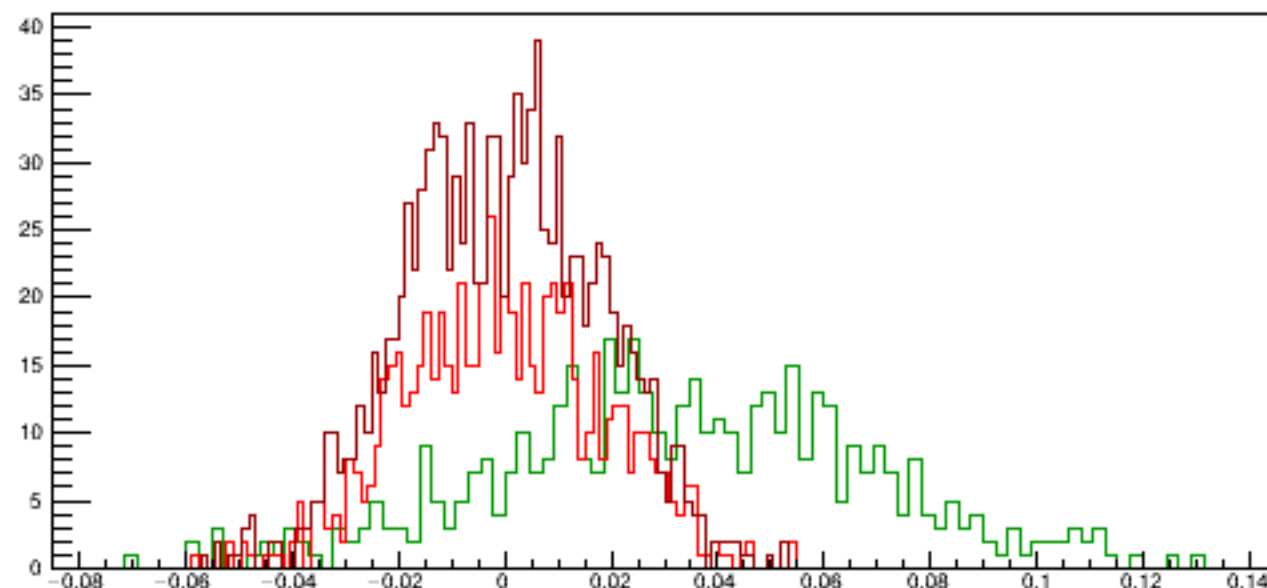
Run 5204 quartetwise, Sums



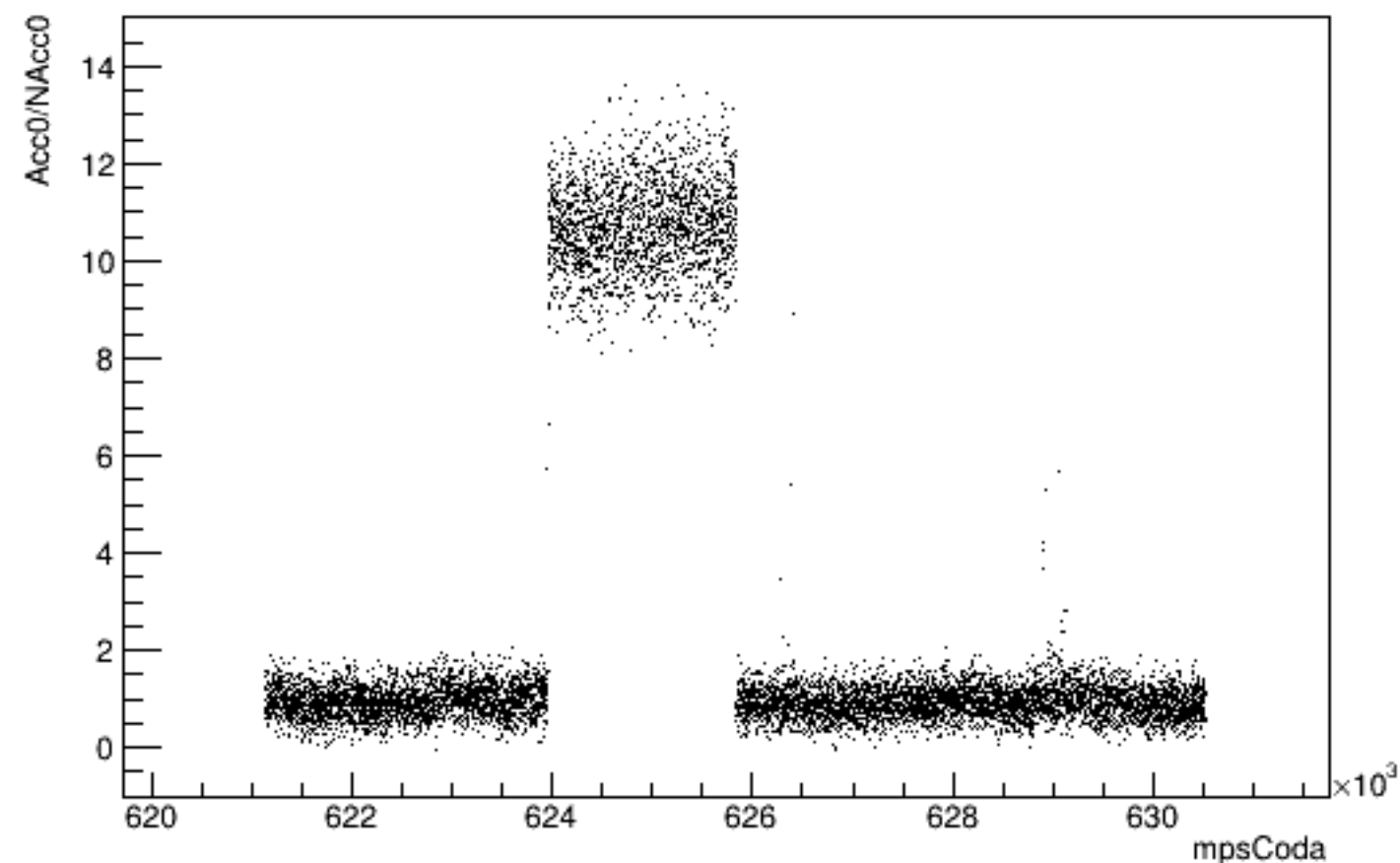
Cycle 37, Asyms

Entries: 704	Entries: 470	Entries: 1152
Mean: -0.0002 +/- 0.0007	Mean: 0.0333 +/- 0.0016	Mean: -0.0004 +/- 0.0005
Std Dev: 0.0187 +/- 0.0005	Std Dev: 0.0353 +/- 0.0012	Std Dev: 0.0182 +/- 0.0004

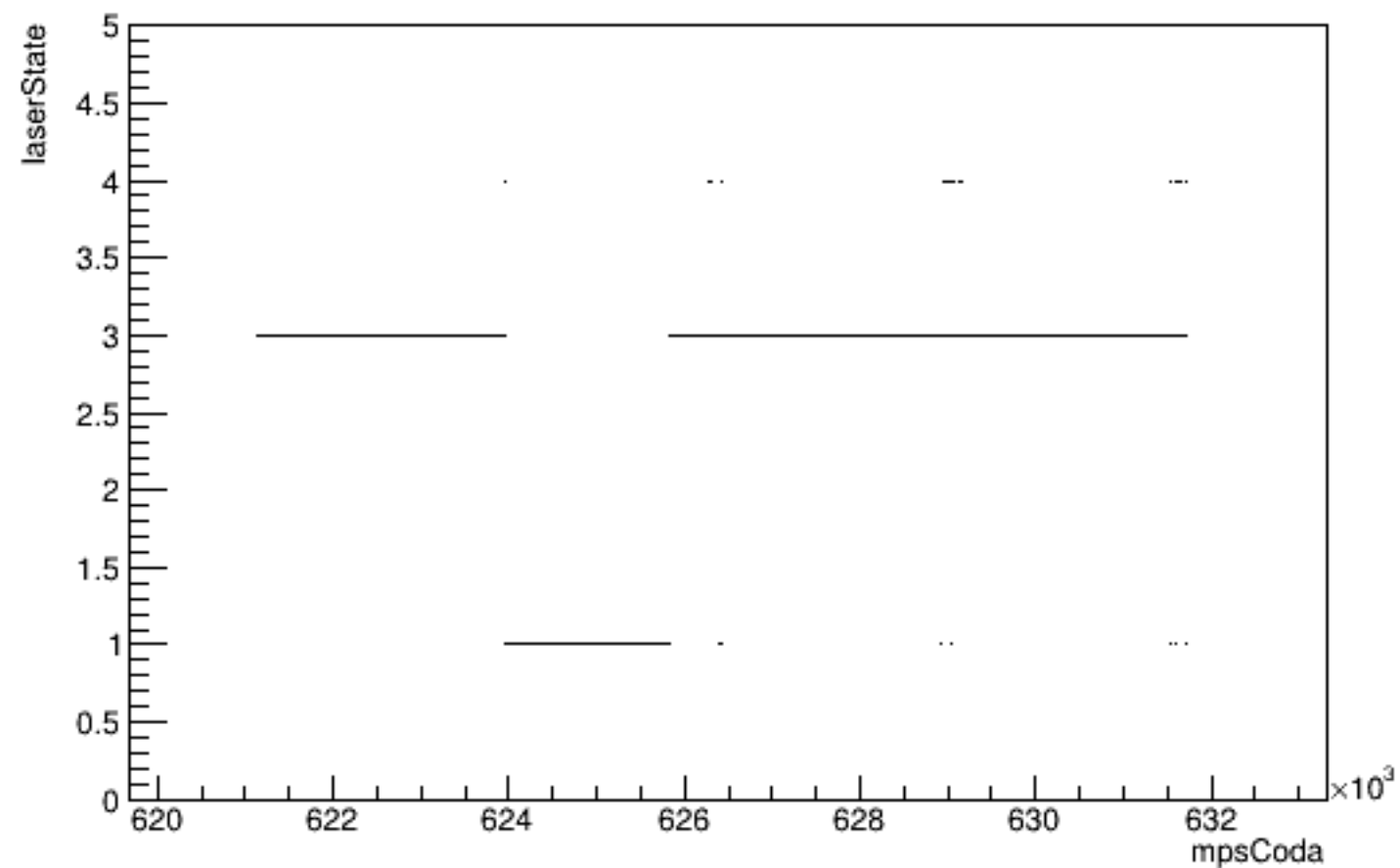
Run 5204 quartetwise, Asyms



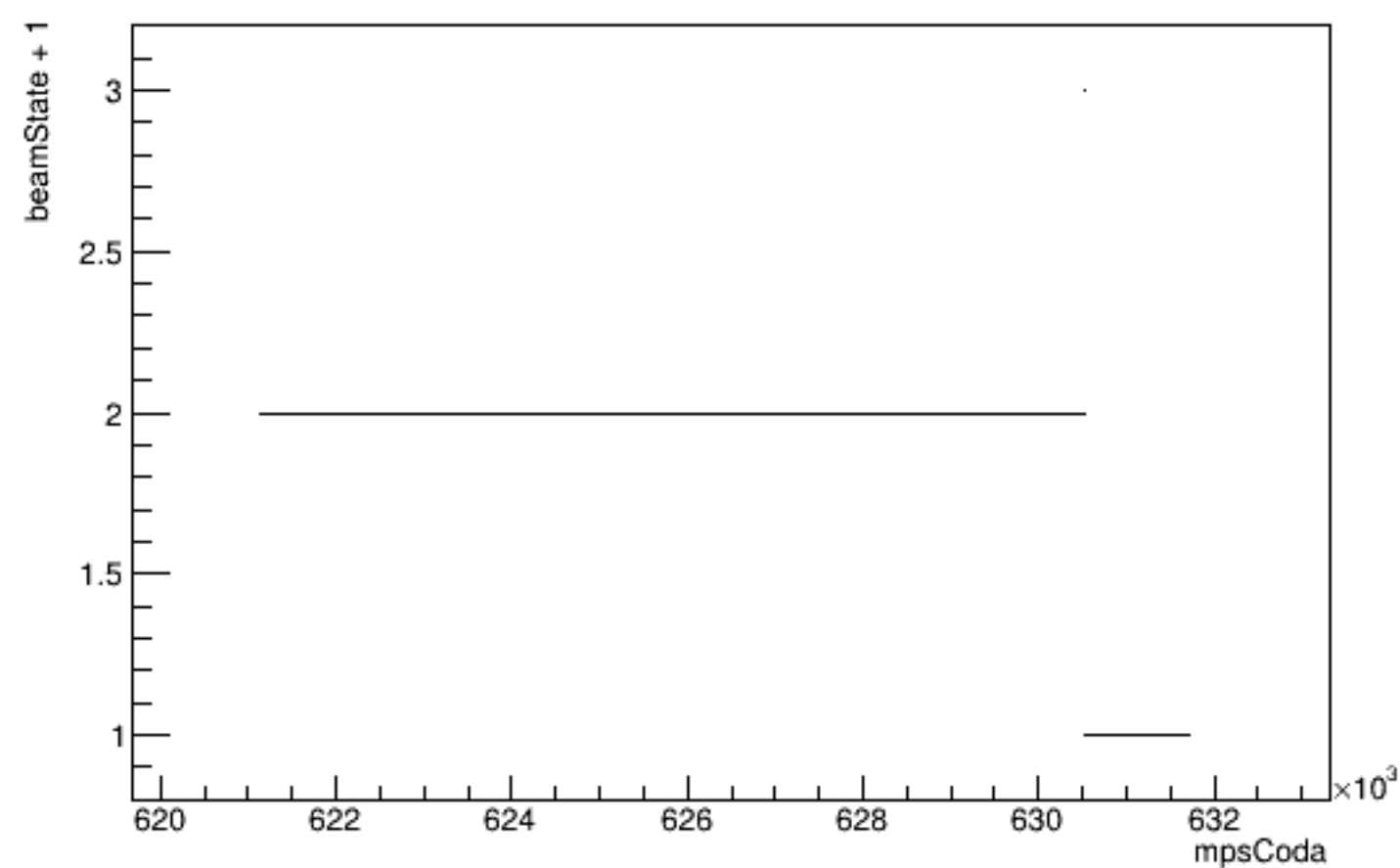
Acc0/NAcc0:mpsCoda (mpsCoda>=621136 && mpsCoda<=631715 && beamState==1)



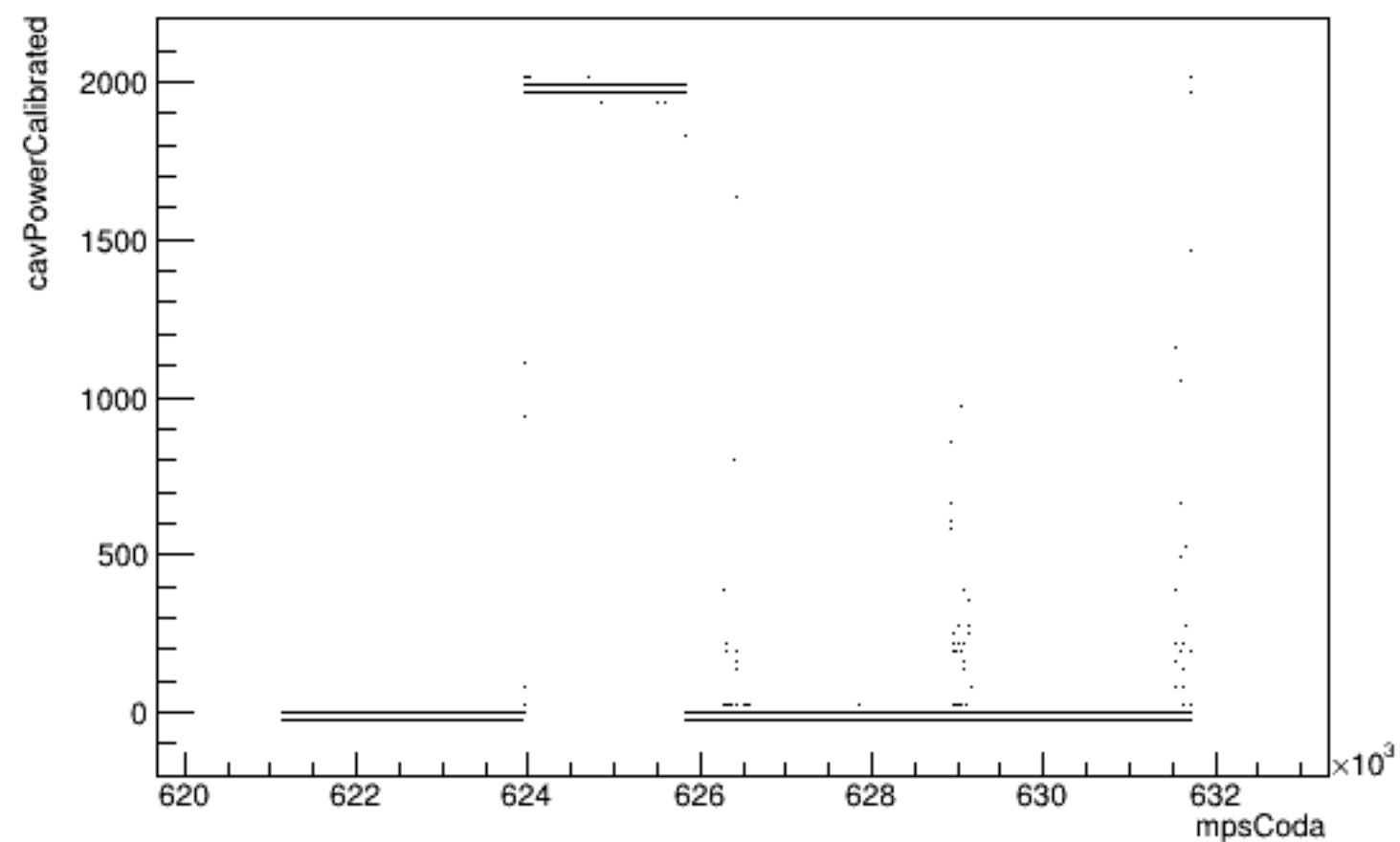
laserState:mpsCoda {mpsCoda>=621136 && mpsCoda<=631715}



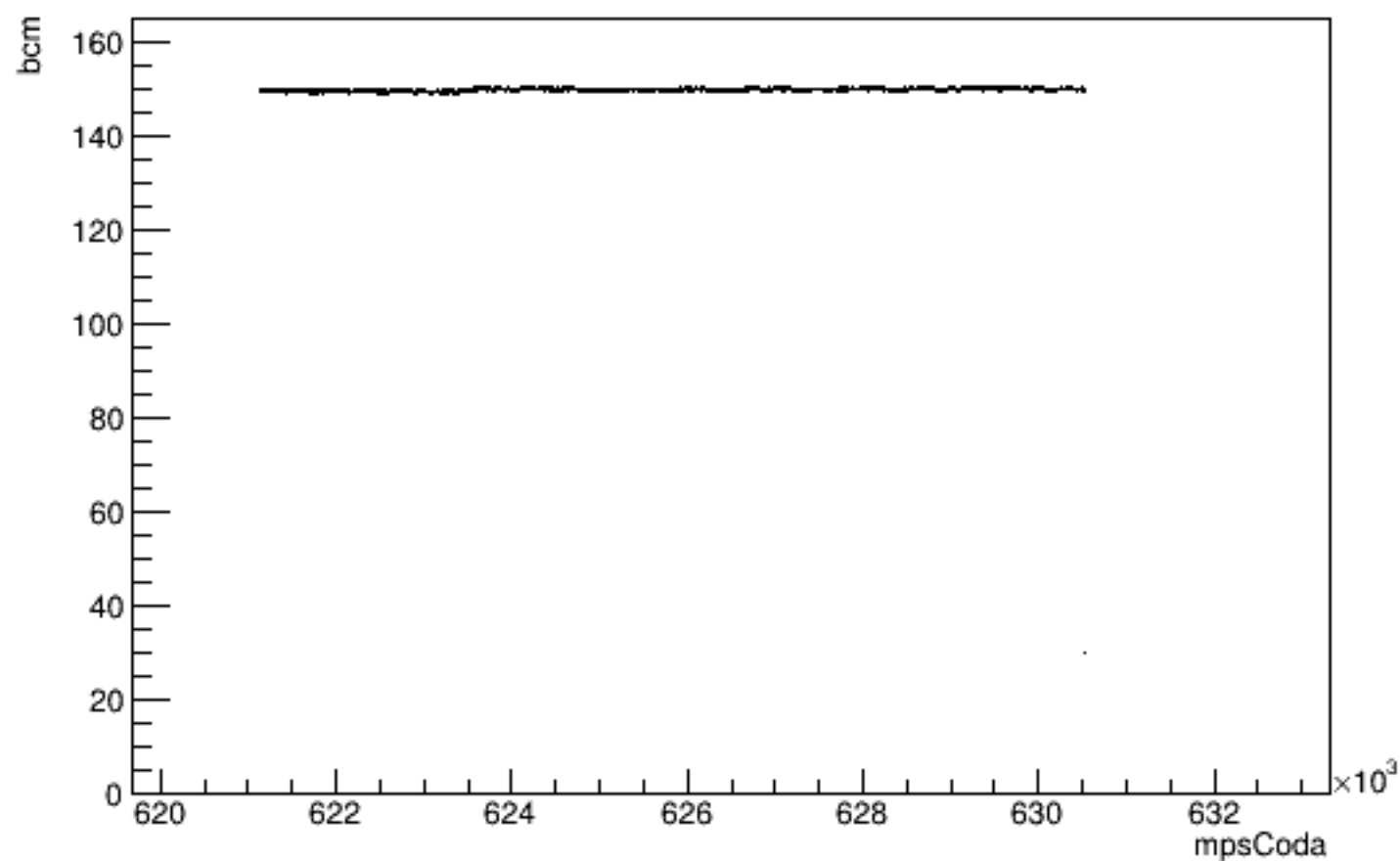
beamState + 1:mpsCoda {mpsCoda>=621136 && mpsCoda<=631715}



cavPowerCalibrated:mpsCoda {mpsCoda>=621136 && mpsCoda<=631715}



bcm:mpsCoda {mpsCoda>=621136 && mpsCoda<=631715}



Cycle 38, Diffs

Entries: 1152

Mean: -0.0080 +/- 0.0105

Std Dev: 0.3562 +/- 0.0074

Entries: 132

Mean: 0.6344 +/- 0.0525

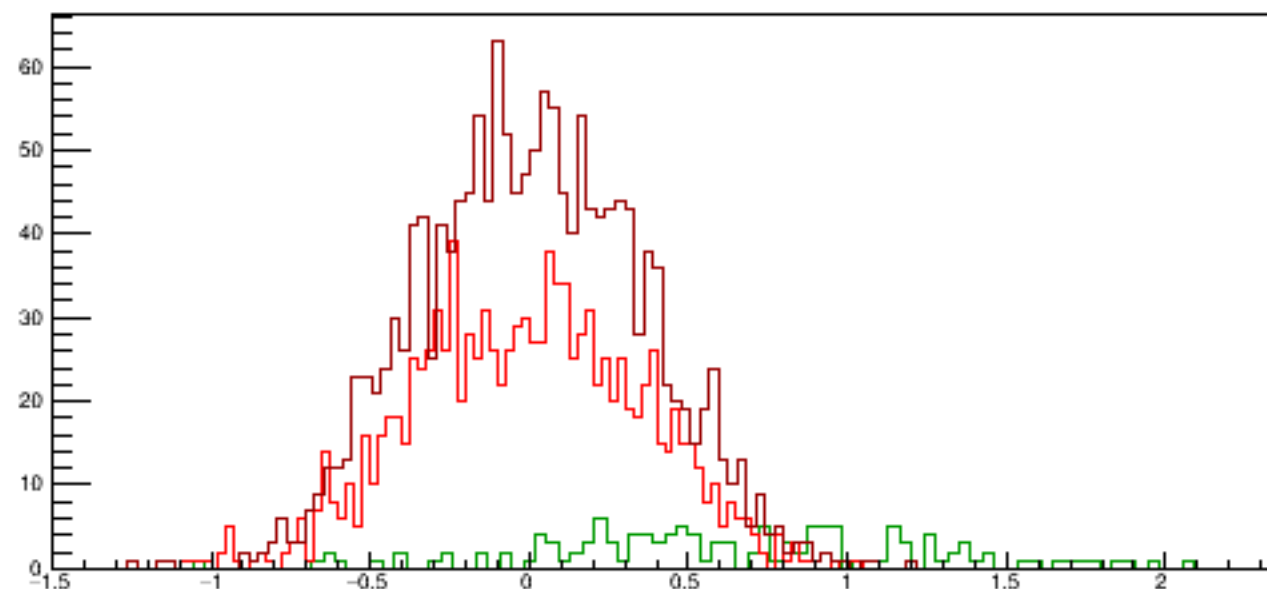
Std Dev: 0.6035 +/- 0.0371

Entries: 1616

Mean: 0.0084 +/- 0.0087

Std Dev: 0.3495 +/- 0.0061

Run 5204 quartetwise, Diffs



Cycle 38, Sums

Entries: 1152

Mean: 1.8694 +/- 0.0094

Std Dev: 0.3204 +/- 0.0067

Entries: 132

Mean: 21.6635 +/- 0.0918

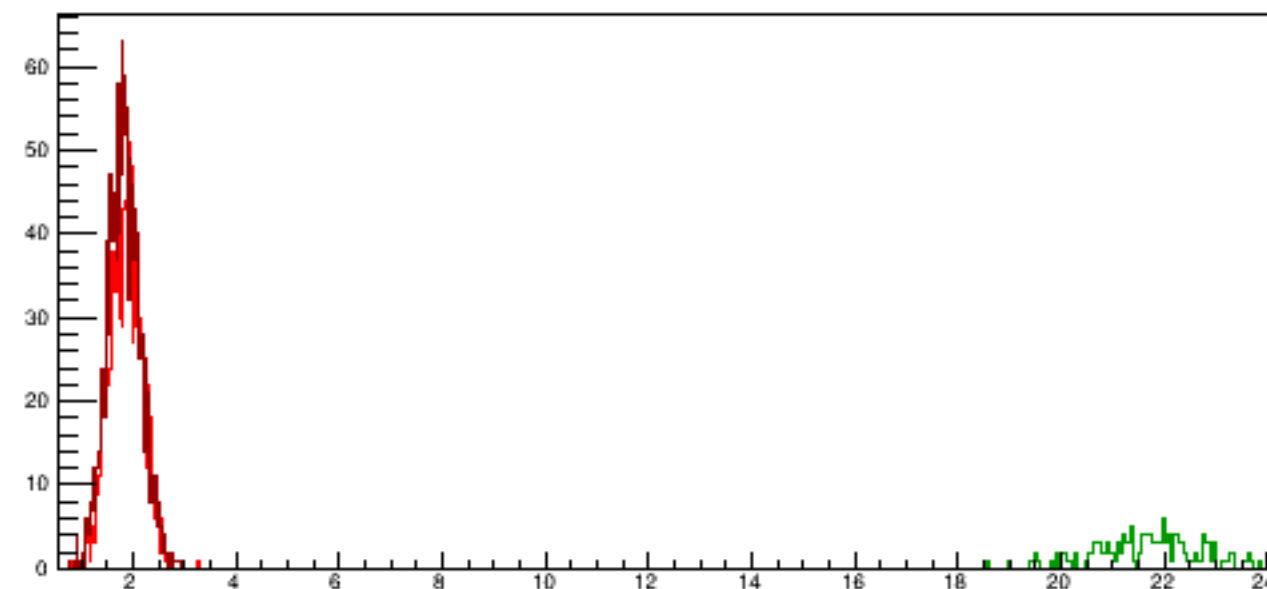
Std Dev: 1.0550 +/- 0.0649

Entries: 1616

Mean: 1.8347 +/- 0.0079

Std Dev: 0.3173 +/- 0.0056

Run 5204 quartetwise, Sums



Cycle 38, Asyms

Entries: 1152

Mean: -0.0004 +/- 0.0005

Std Dev: 0.0180 +/- 0.0004

Entries: 132

Mean: 0.0321 +/- 0.0027

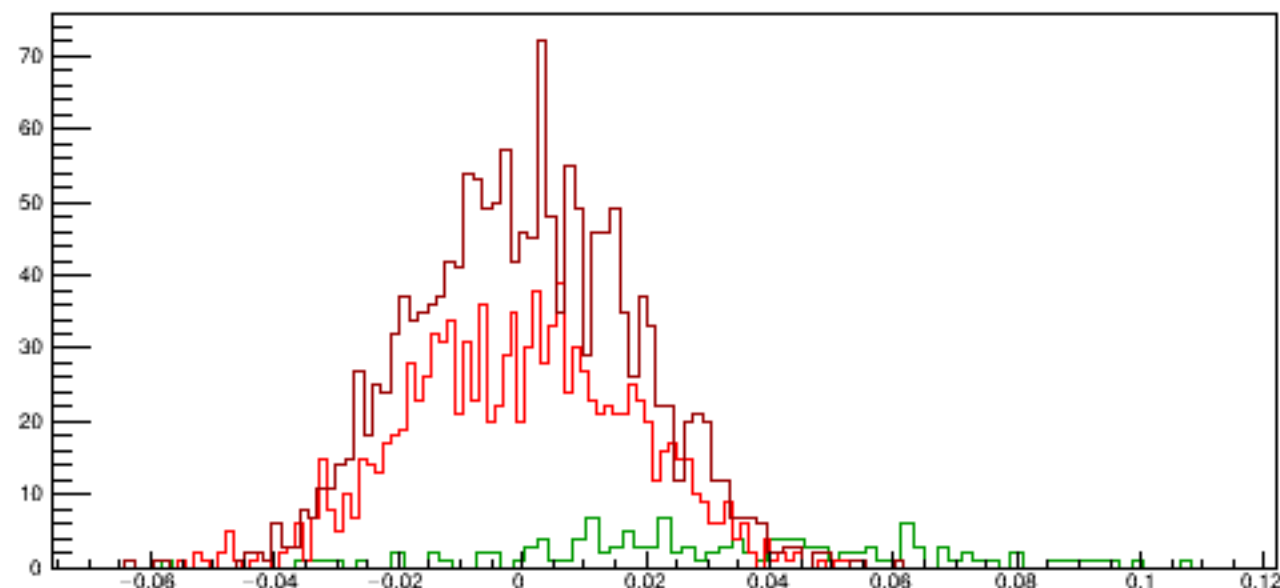
Std Dev: 0.0311 +/- 0.0019

Entries: 1616

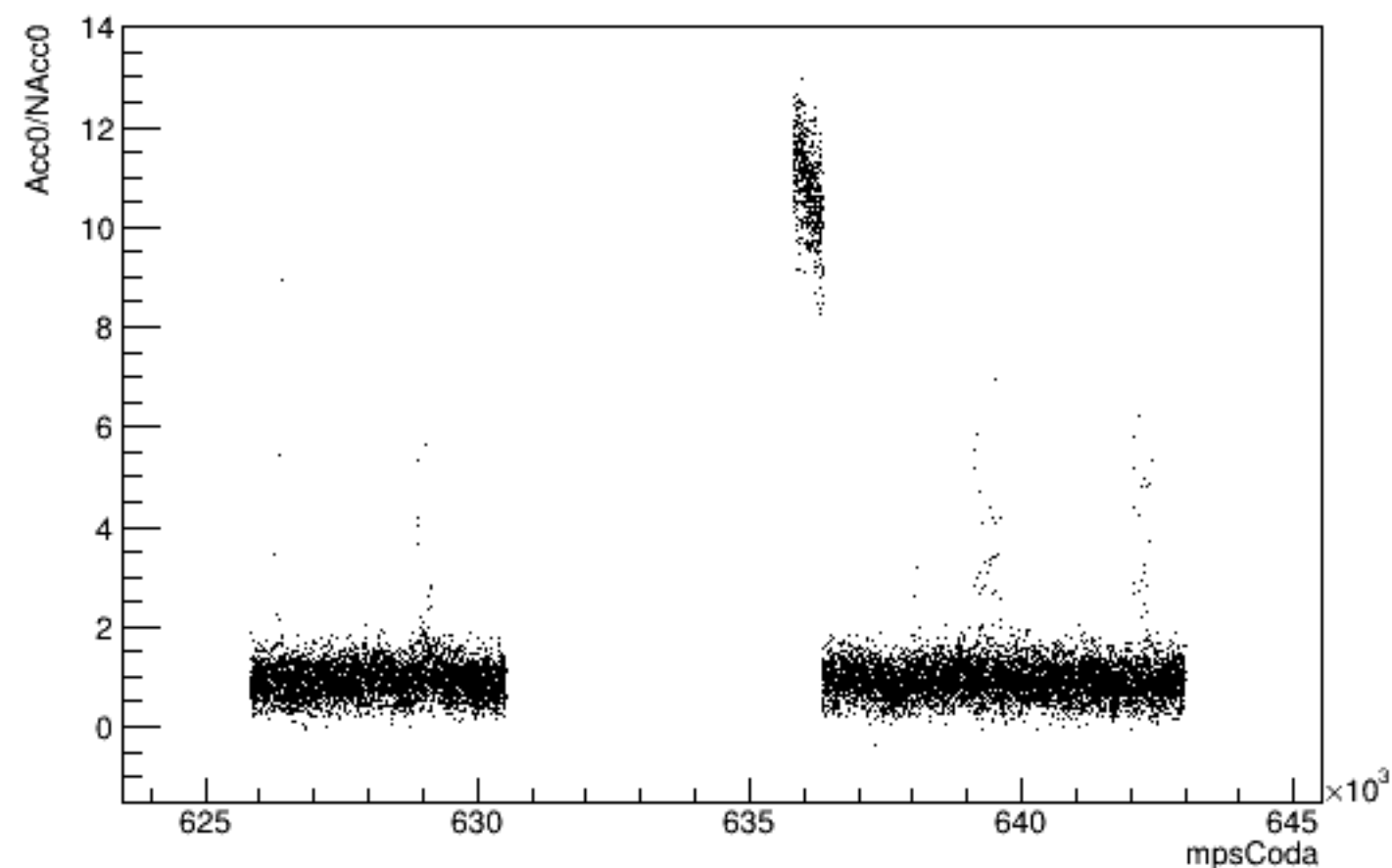
Mean: 0.0004 +/- 0.0004

Std Dev: 0.0176 +/- 0.0003

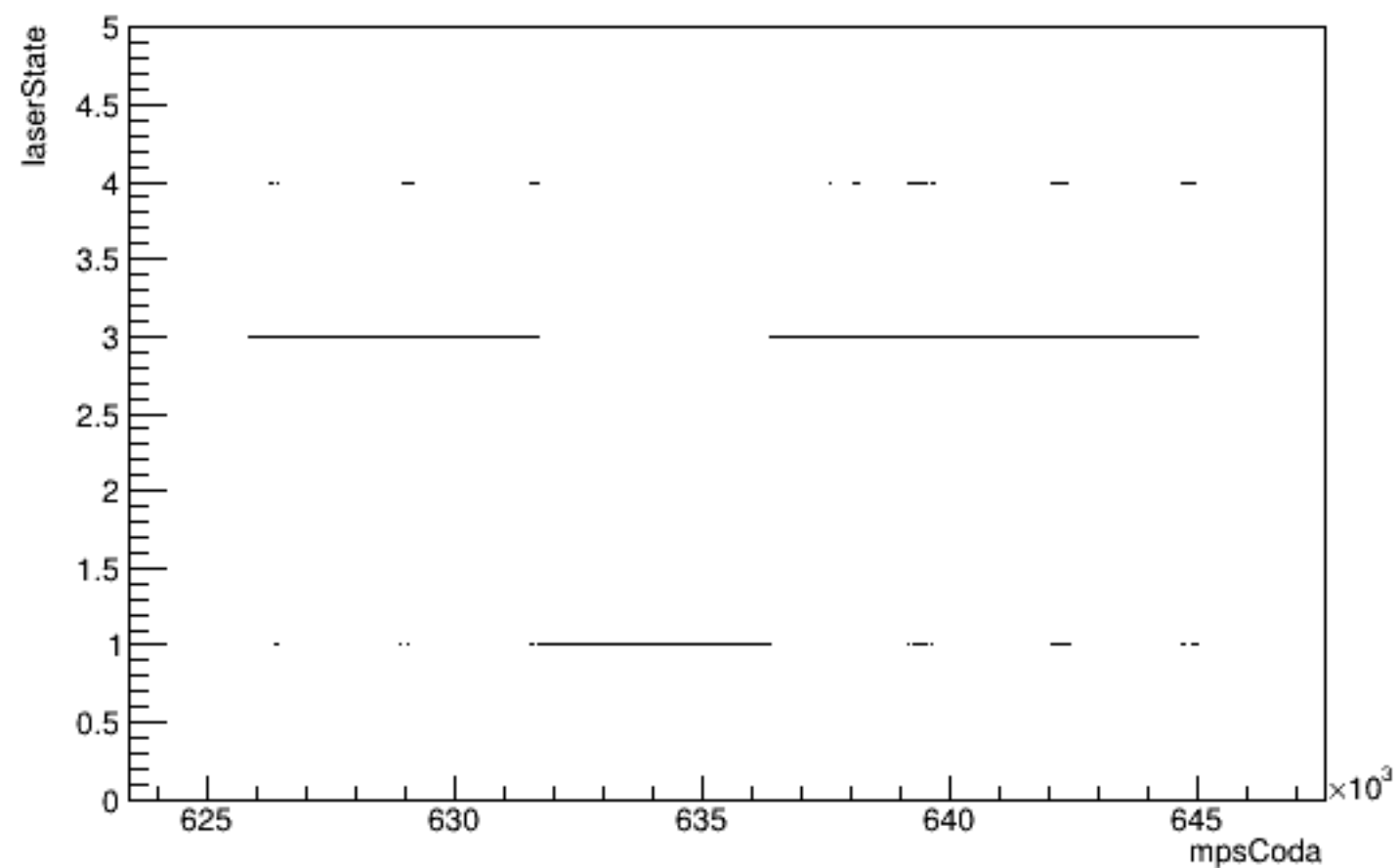
Run 5204 quartetwise, Asyms



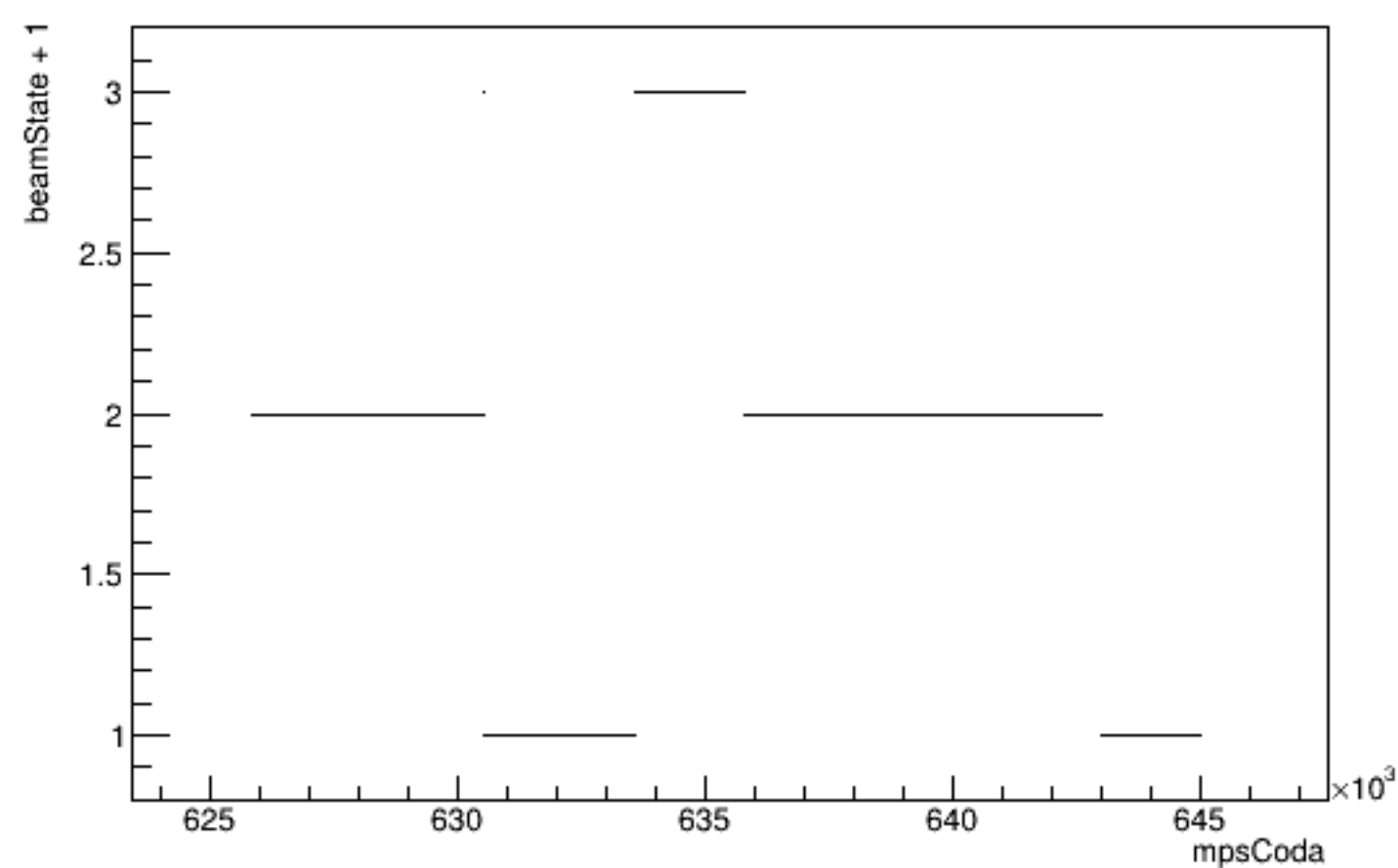
Acc0/NAcc0:mpsCoda (mpsCoda>=625840 && mpsCoda<=644975 && beamState==1)



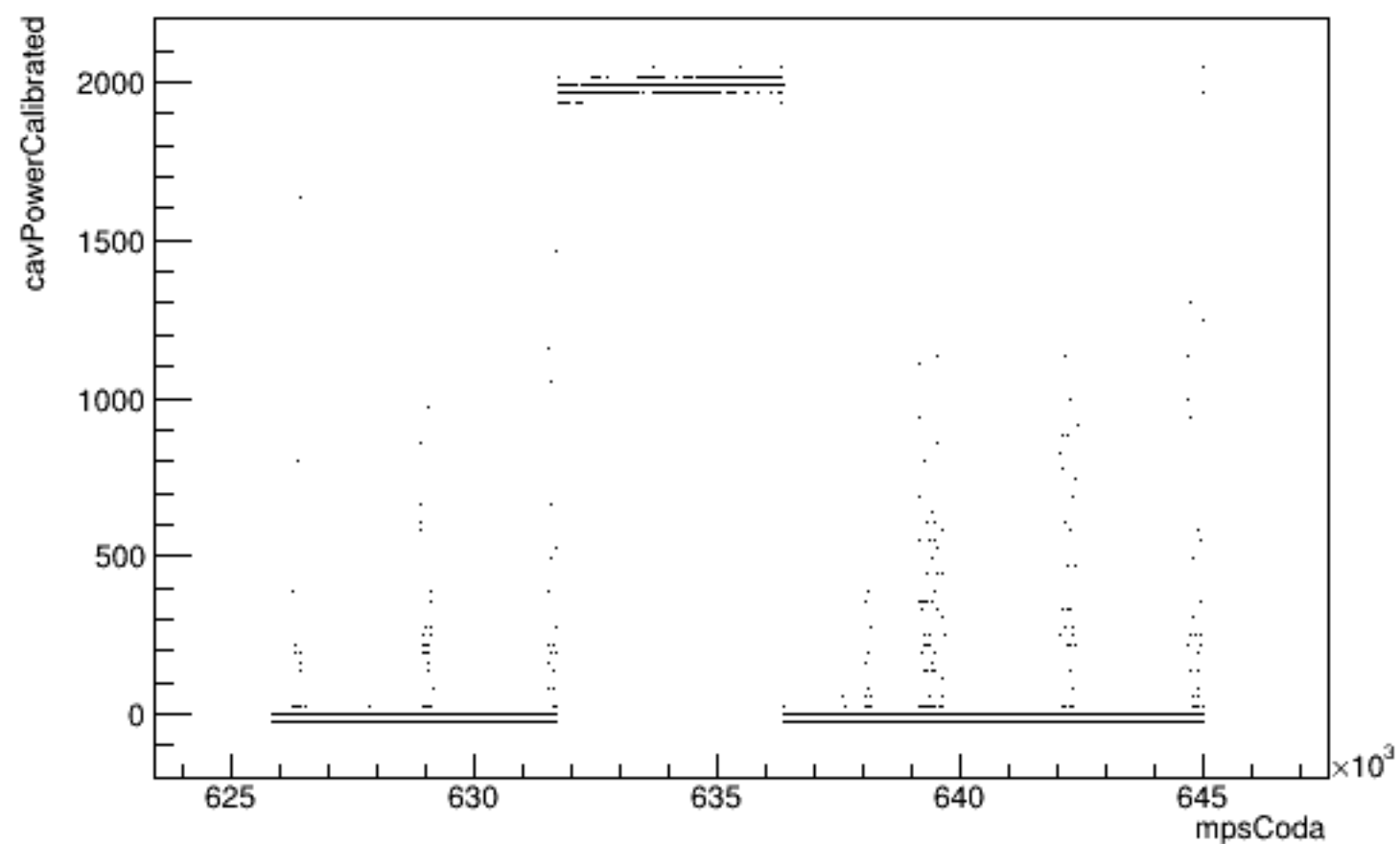
laserState:mpsCoda {mpsCoda>=625840 && mpsCoda<=644975}



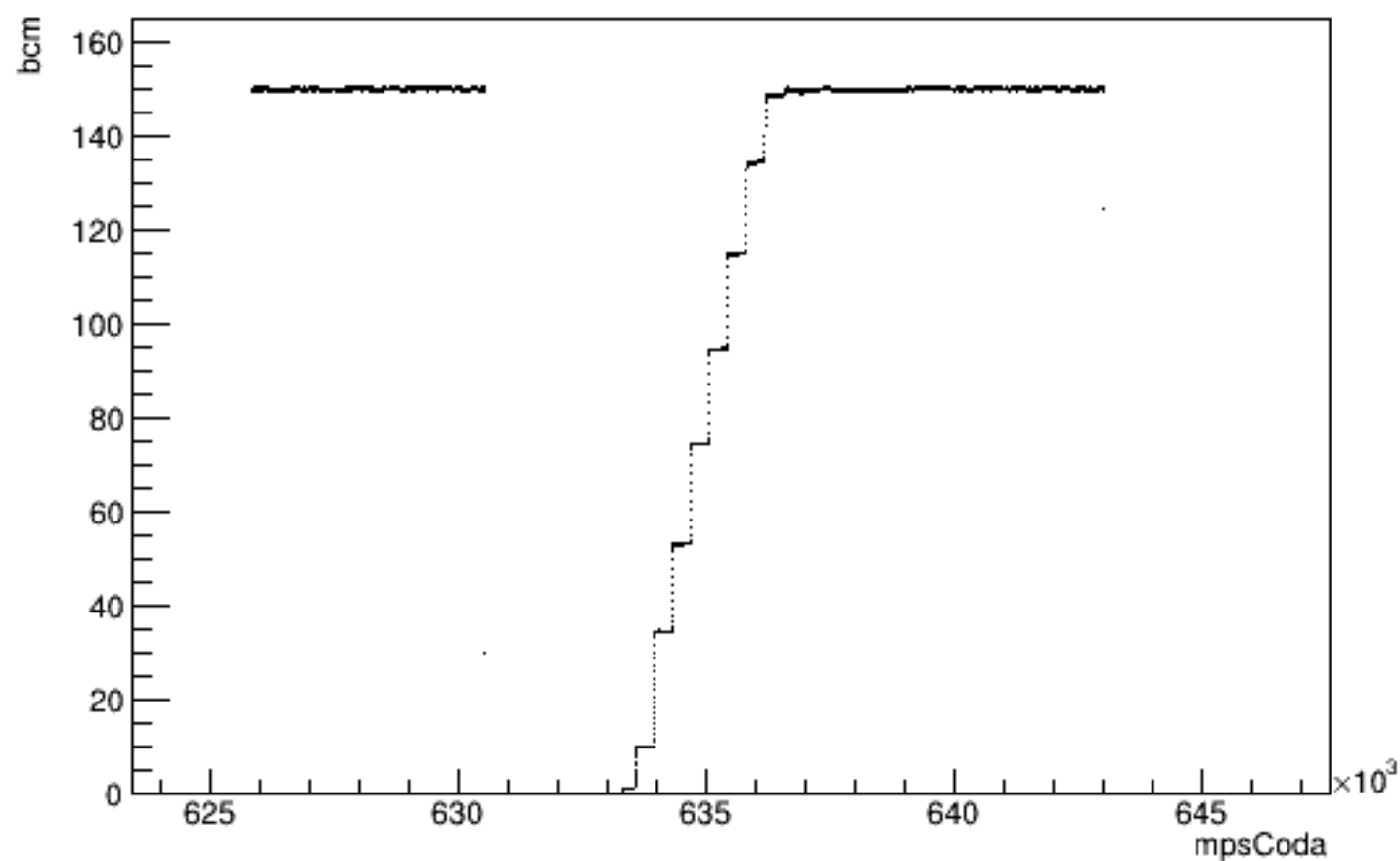
beamState + 1:mpsCoda {mpsCoda>=625840 && mpsCoda<=644975}



cavPowerCalibrated:mpsCoda {mpsCoda>=625840 && mpsCoda<=644975}



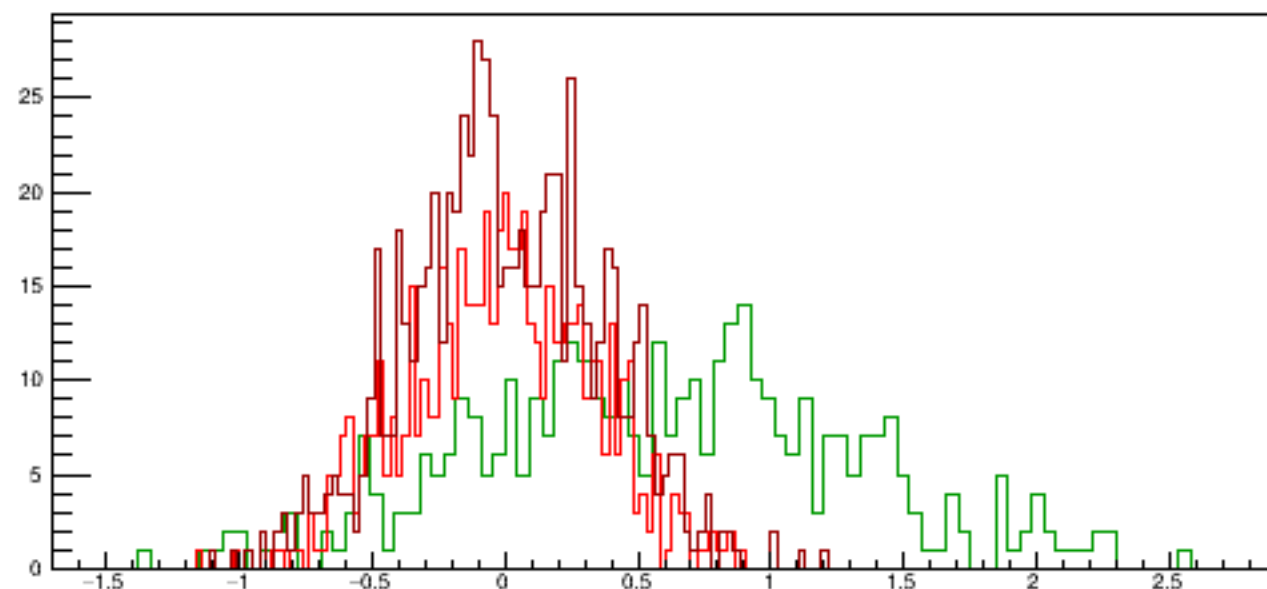
bcm:mpsCoda {mpsCoda>=625840 && mpsCoda<=644975}



Cycle 39, Diffs

Entries: 588	Entries: 391	Entries: 721
Mean: -0.0113 +/- 0.0142	Mean: 0.5885 +/- 0.0360	Mean: -0.0003 +/- 0.0136
Std Dev: 0.3451 +/- 0.0101	Std Dev: 0.7121 +/- 0.0255	Std Dev: 0.3644 +/- 0.0096

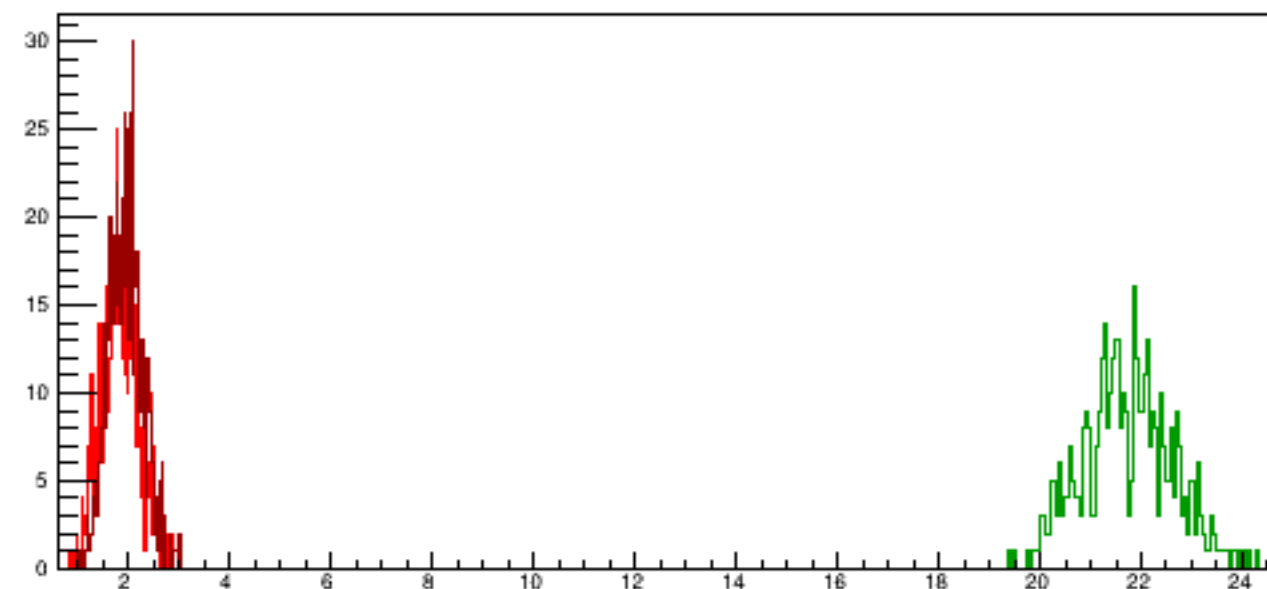
Run 5204 quartetwise, Diffs



Cycle 39, Sums

Entries: 588	Entries: 391	Entries: 721
Mean: 1.8349 +/- 0.0153	Mean: 21.7254 +/- 0.0446	Mean: 1.9367 +/- 0.0125
Std Dev: 0.3708 +/- 0.0108	Std Dev: 0.8818 +/- 0.0315	Std Dev: 0.3361 +/- 0.0089

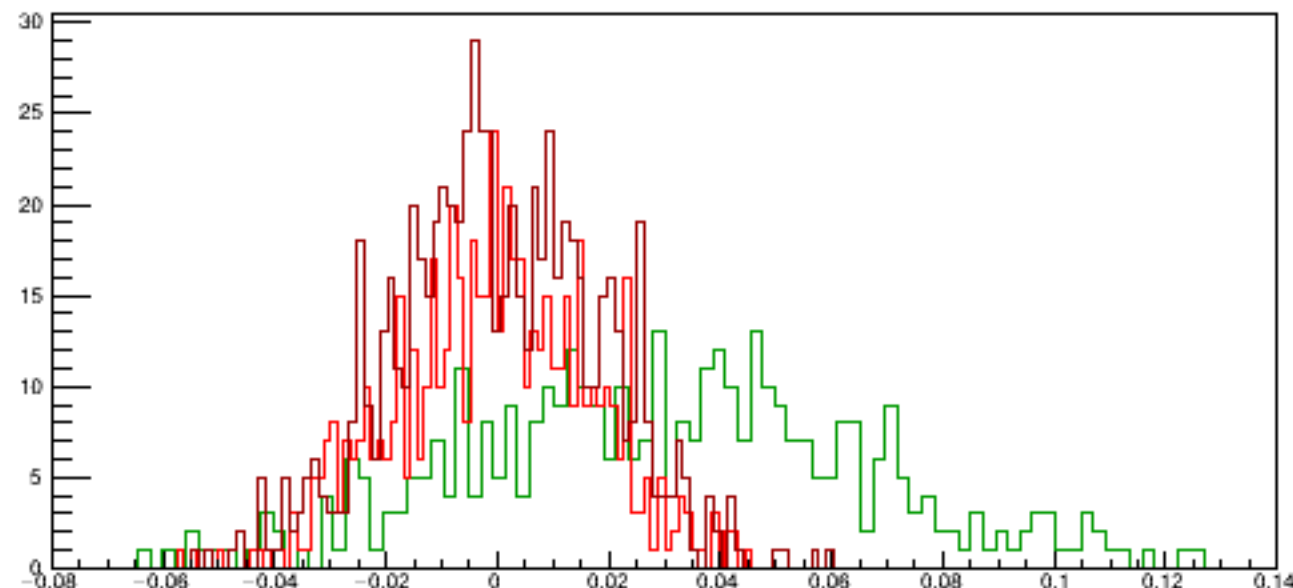
Run 5204 quartetwise, Sums



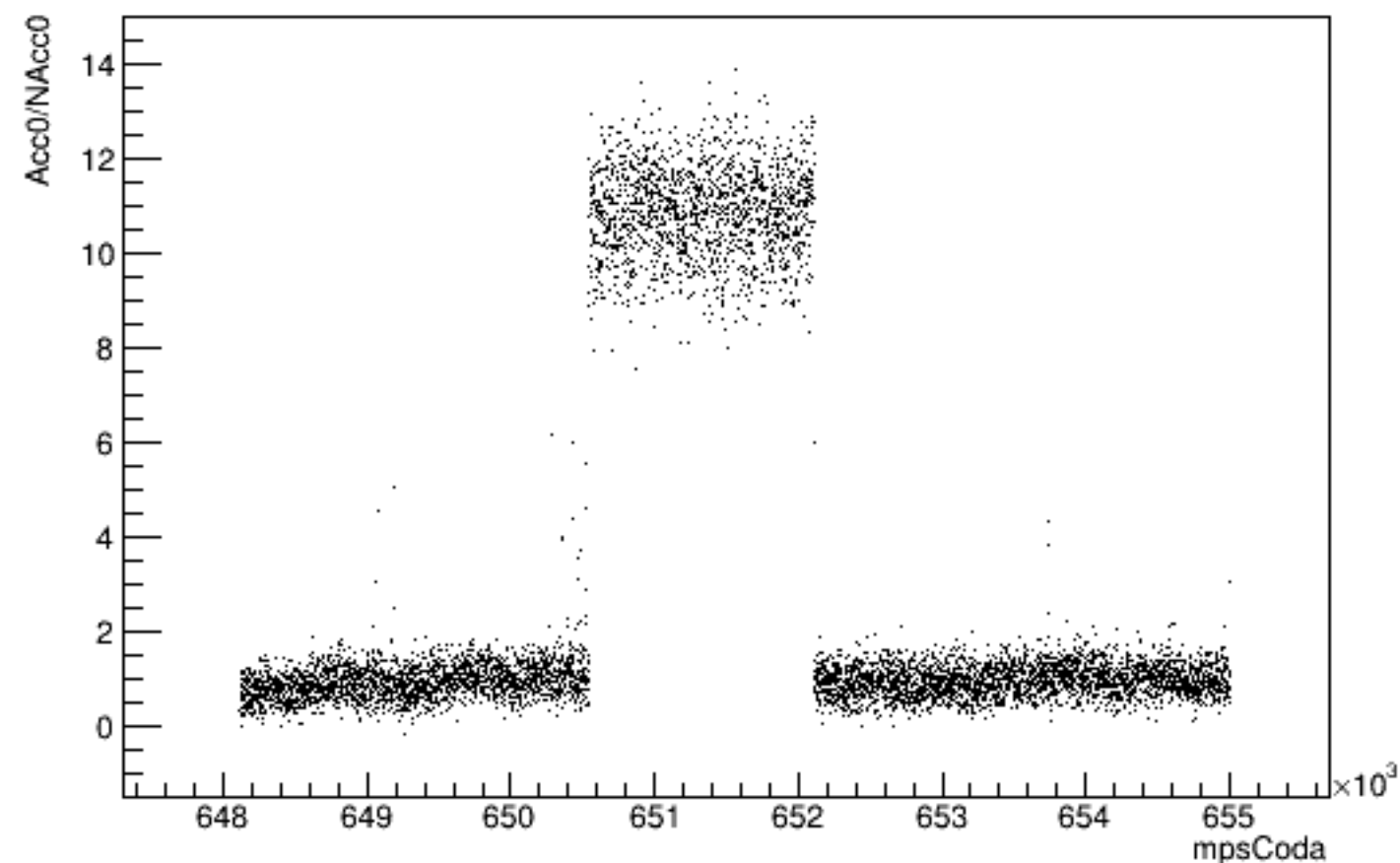
Cycle 39, Asyms

Entries: 588	Entries: 391	Entries: 721
Mean: -0.0006 +/- 0.0007	Mean: 0.0297 +/- 0.0018	Mean: -0.0000 +/- 0.0007
Std Dev: 0.0174 +/- 0.0005	Std Dev: 0.0359 +/- 0.0013	Std Dev: 0.0184 +/- 0.0005

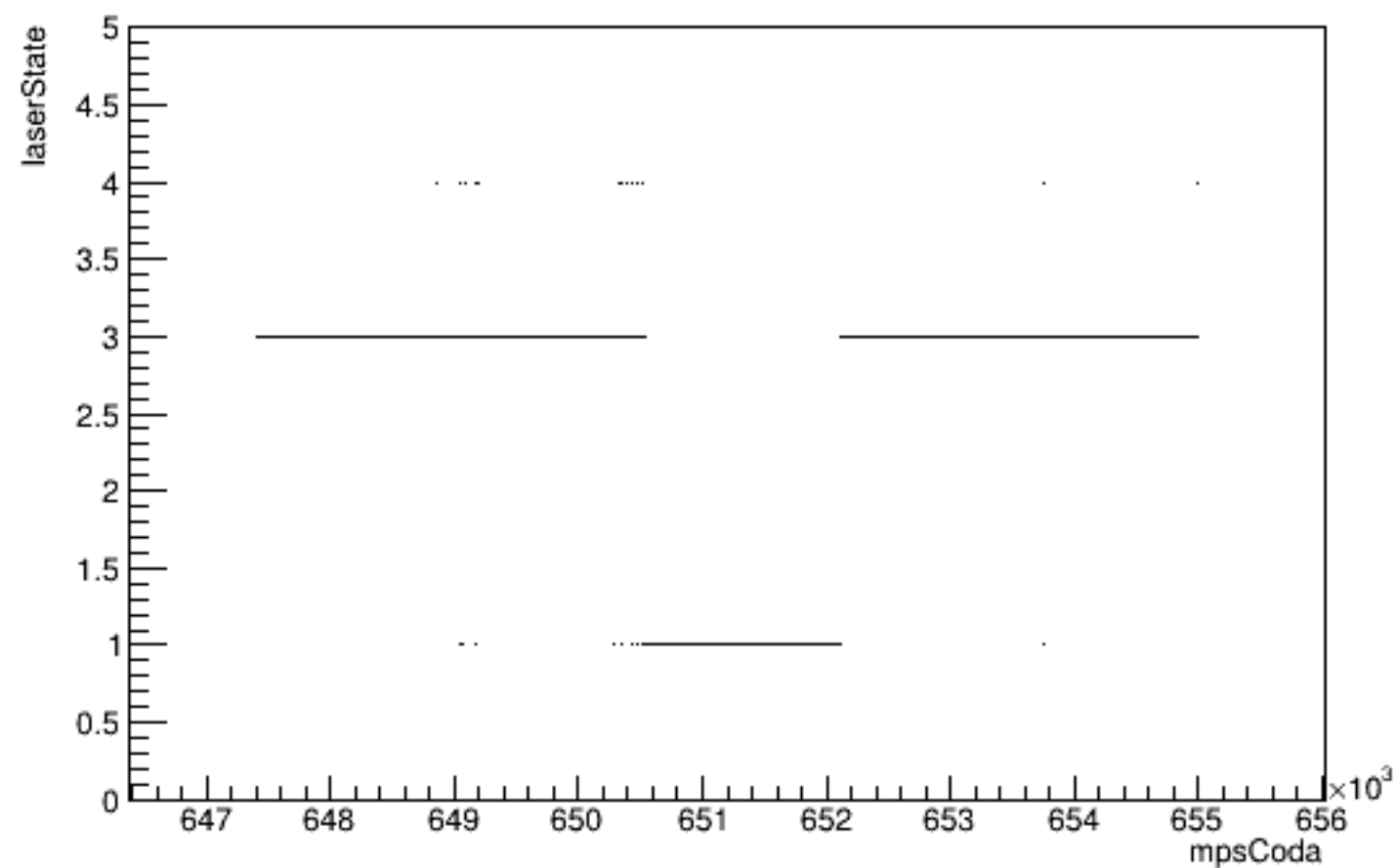
Run 5204 quartetwise, Asyms



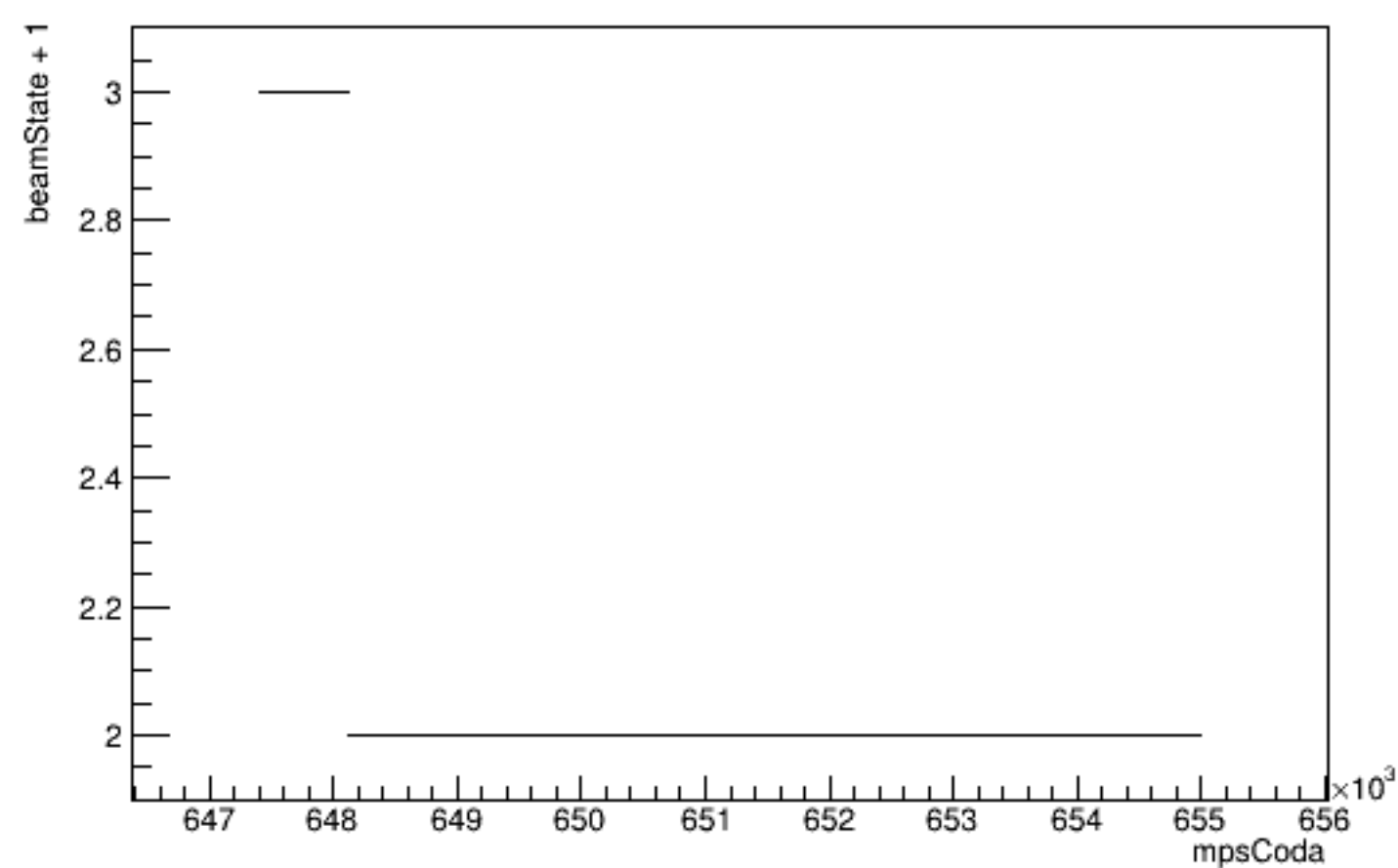
Acc0/NAcc0:mpsCoda (mpsCoda>=647396 && mpsCoda<=655003 && beamState==1)



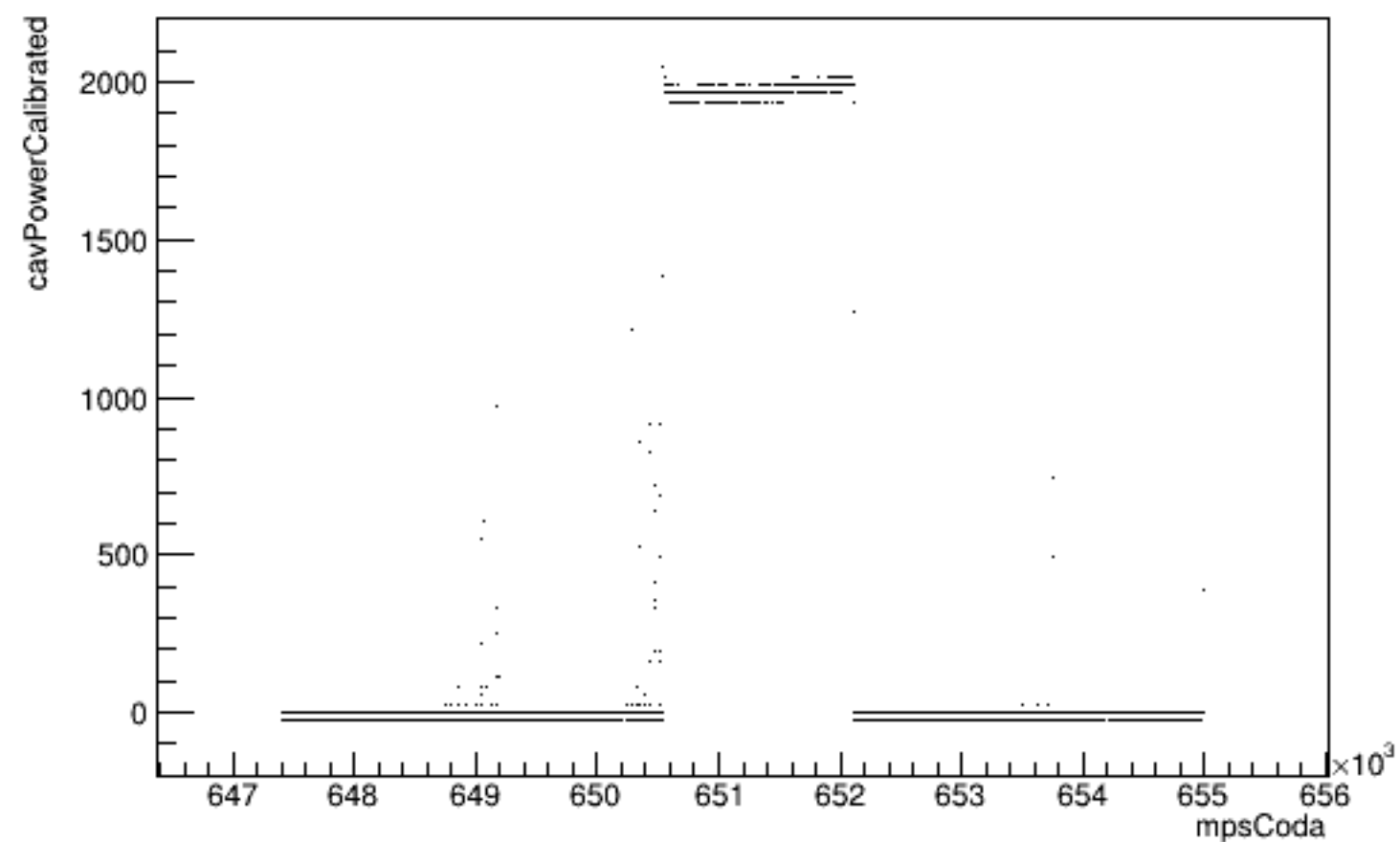
laserState:mpsCoda {mpsCoda>=647396 && mpsCoda<=655003}



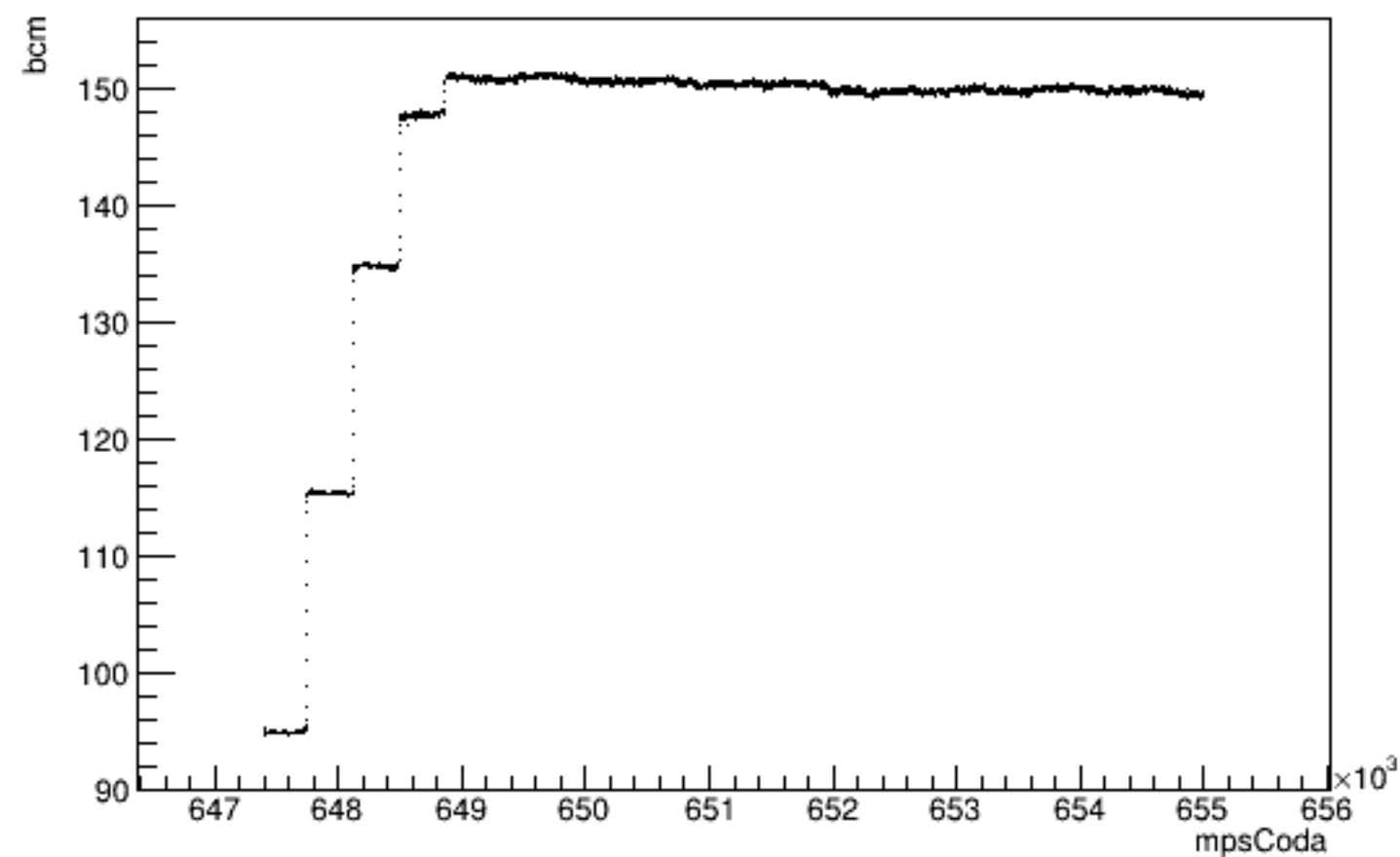
beamState + 1:mpsCoda {mpsCoda>=647396 && mpsCoda<=655003}



cavPowerCalibrated:mpsCoda {mpsCoda>=647396 && mpsCoda<=655003}



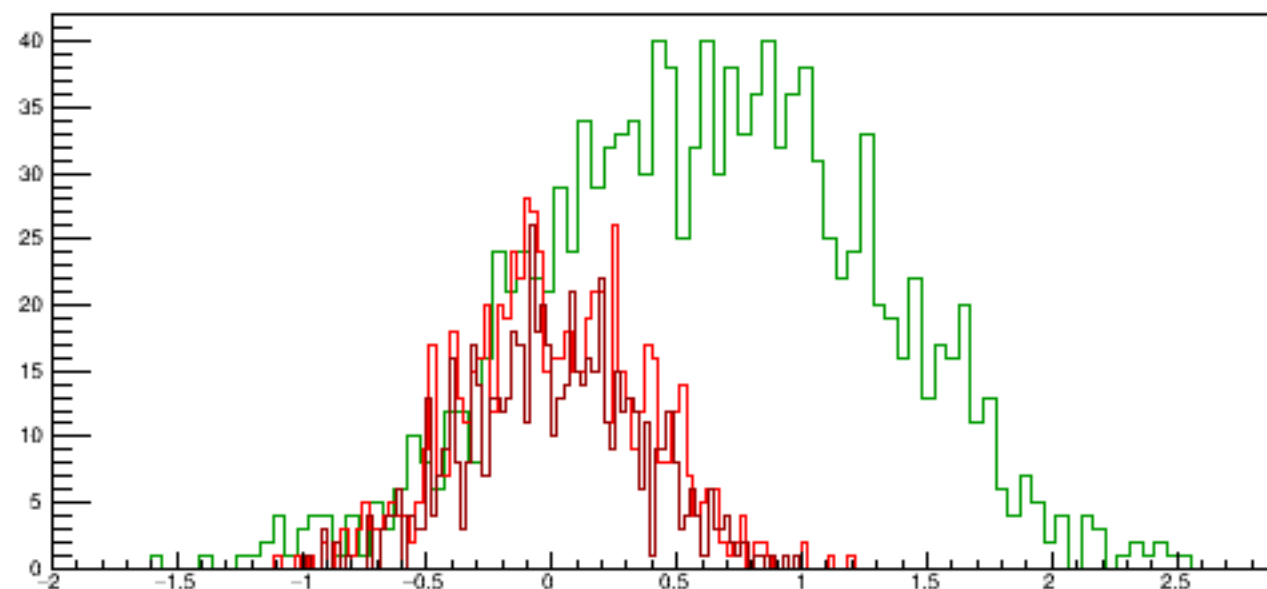
bcm:mpsCoda {mpsCoda>=647396 && mpsCoda<=655003}



Cycle 40, Diffs

Entries: 721	Entries: 1274	Entries: 634
Mean: -0.0003 +/- 0.0136	Mean: 0.6276 +/- 0.0186	Mean: 0.0047 +/- 0.0136
Std Dev: 0.3644 +/- 0.0096	Std Dev: 0.6646 +/- 0.0132	Std Dev: 0.3420 +/- 0.0096

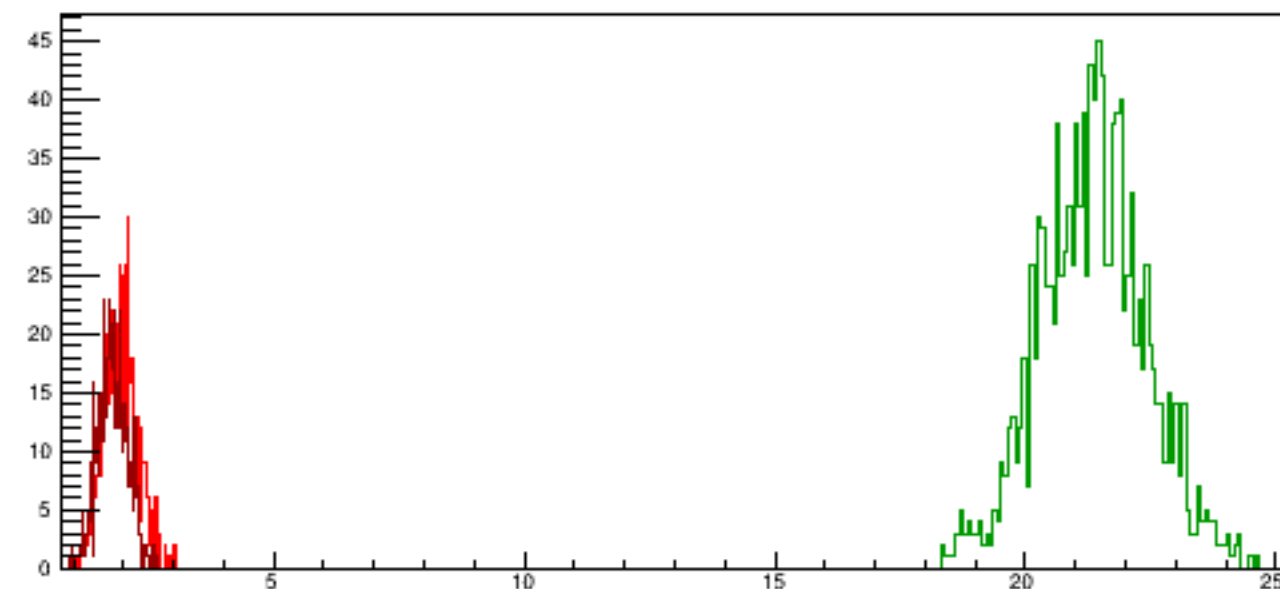
Run 5204 quartetwise, Diffs



Cycle 40, Sums

Entries: 721	Entries: 1274	Entries: 634
Mean: 1.9367 +/- 0.0125	Mean: 21.3578 +/- 0.0298	Mean: 1.7914 +/- 0.0117
Std Dev: 0.3361 +/- 0.0089	Std Dev: 1.0623 +/- 0.0210	Std Dev: 0.2955 +/- 0.0083

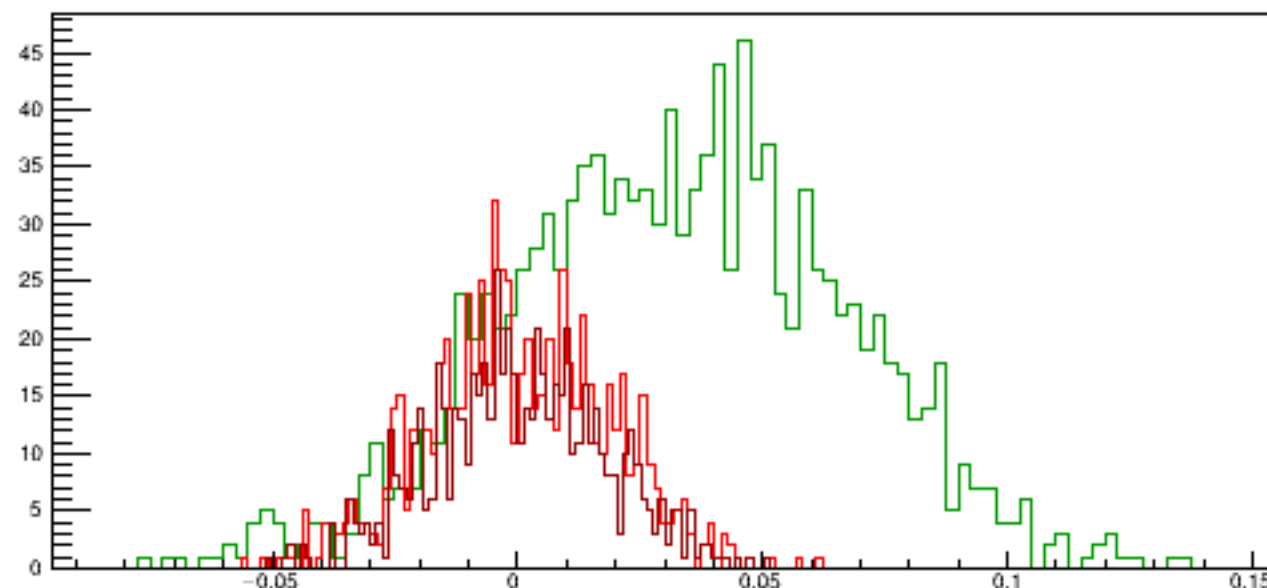
Run 5204 quartetwise, Sums



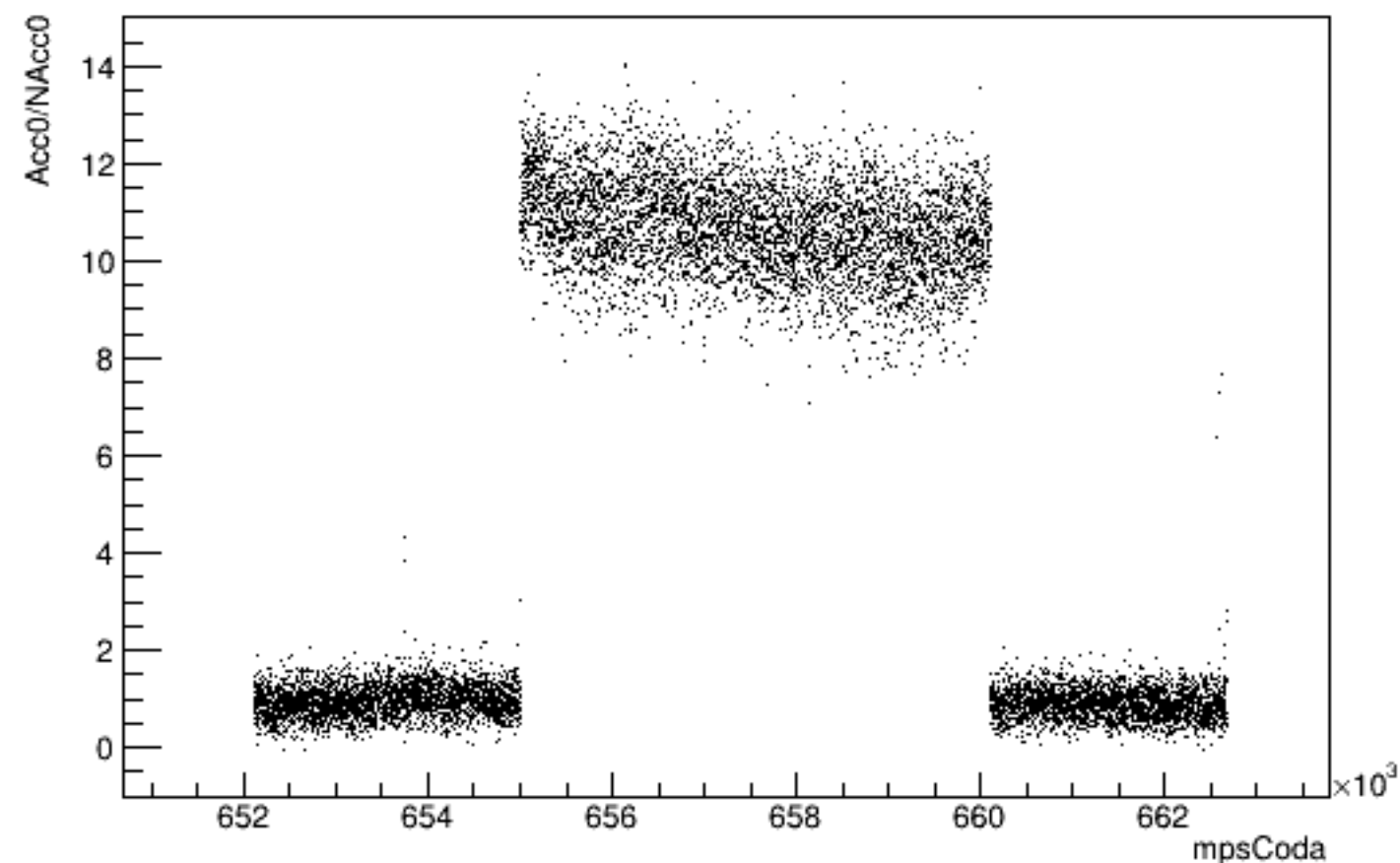
Cycle 40, Asyms

Entries: 721	Entries: 1274	Entries: 634
Mean: -0.0000 +/- 0.0007	Mean: 0.0322 +/- 0.0010	Mean: 0.0002 +/- 0.0007
Std Dev: 0.0187 +/- 0.0005	Std Dev: 0.0343 +/- 0.0007	Std Dev: 0.0175 +/- 0.0005

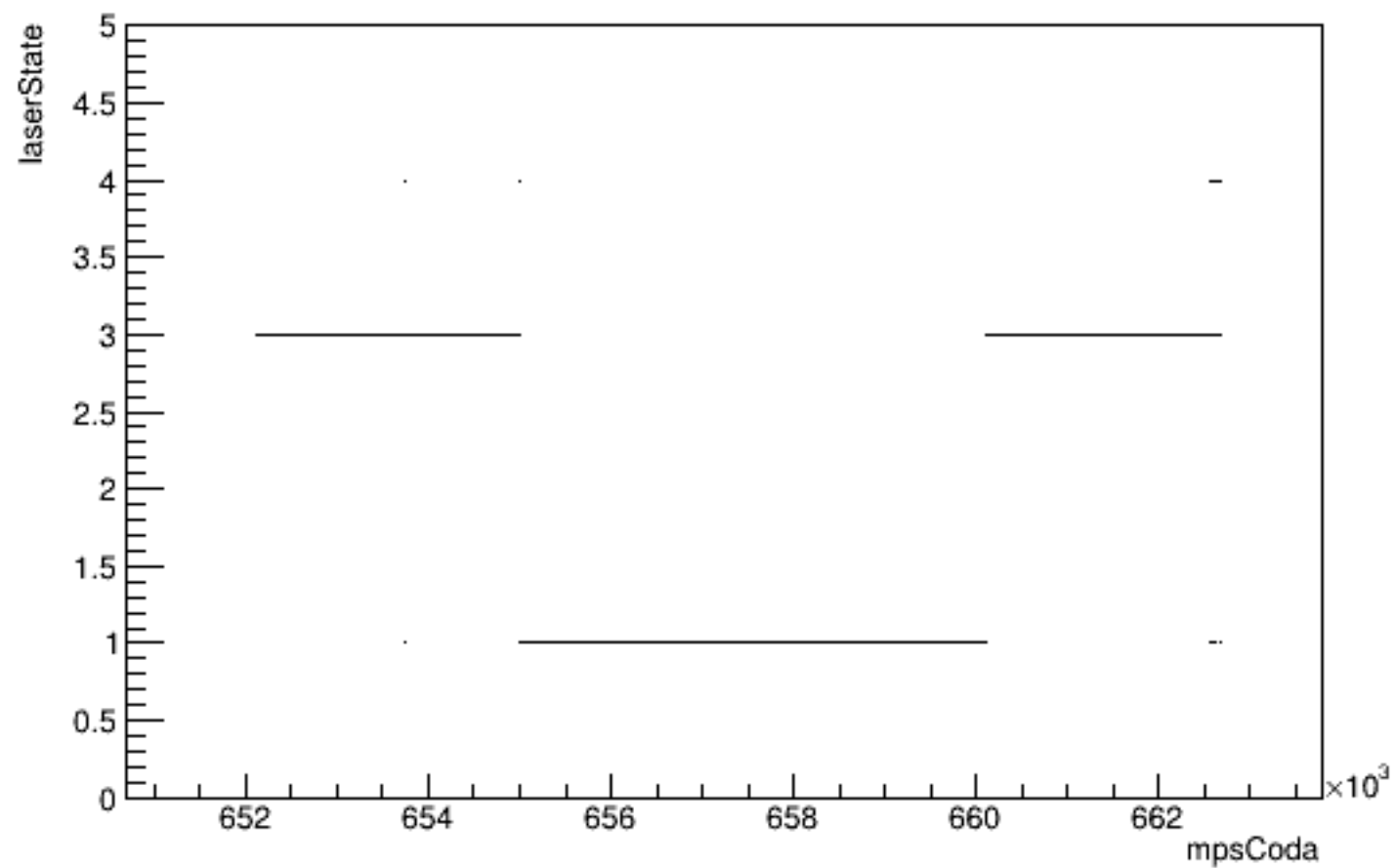
Run 5204 quartetwise, Asyms



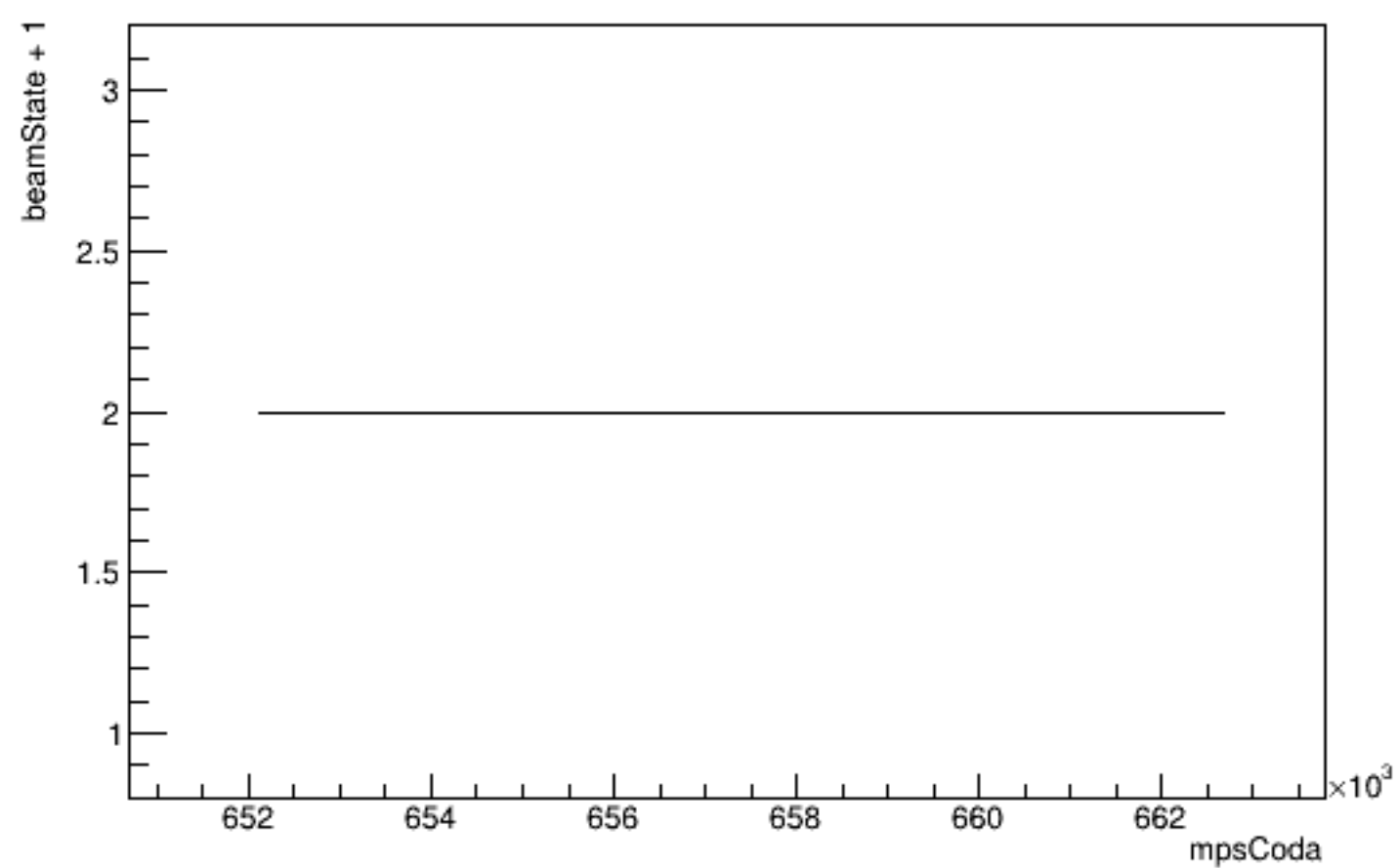
Acc0/NAcc0:mpsCoda (mpsCoda>=652112 && mpsCoda<=662671 && beamState==1)



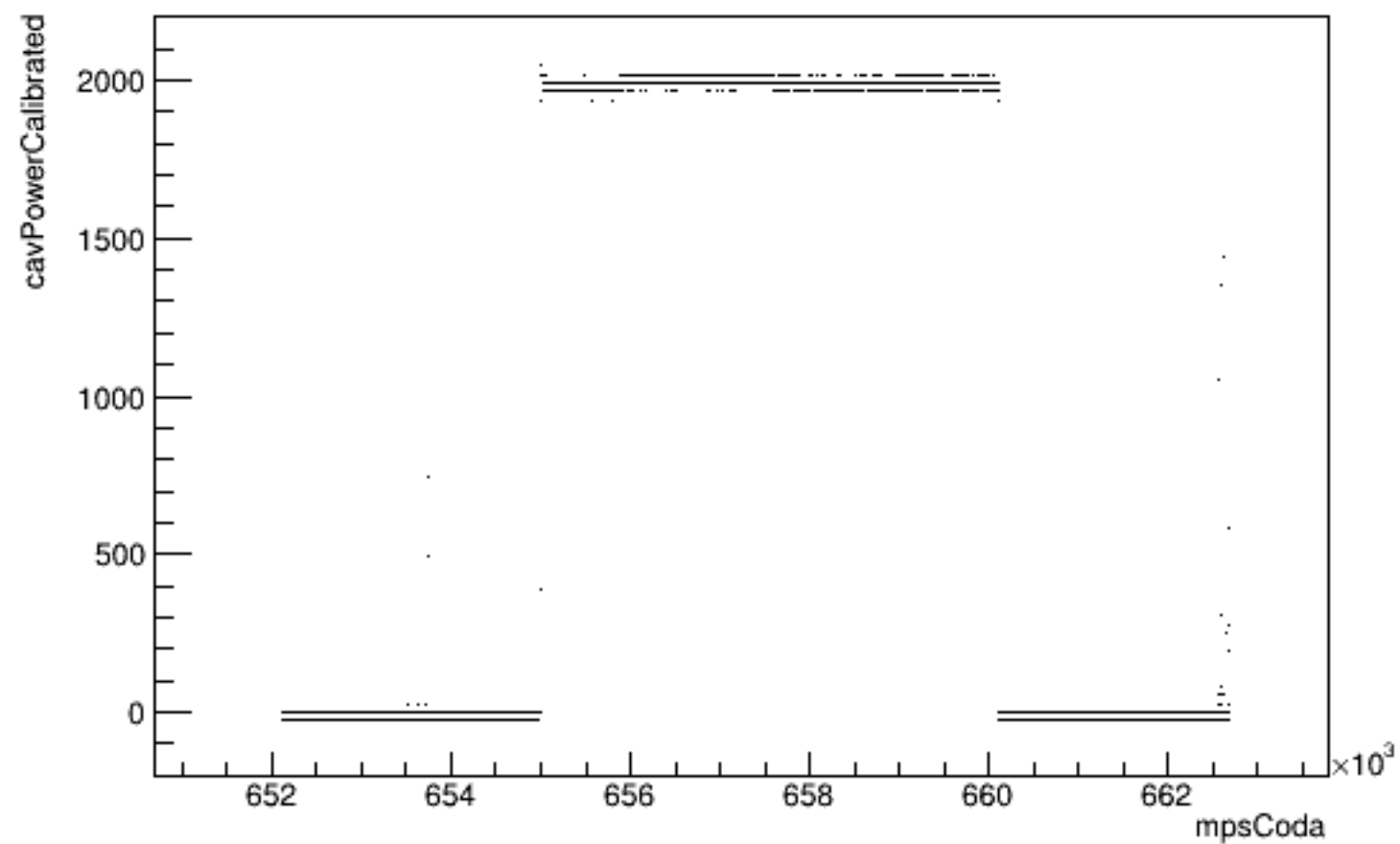
laserState:mpsCoda {mpsCoda>=652112 && mpsCoda<=662671}



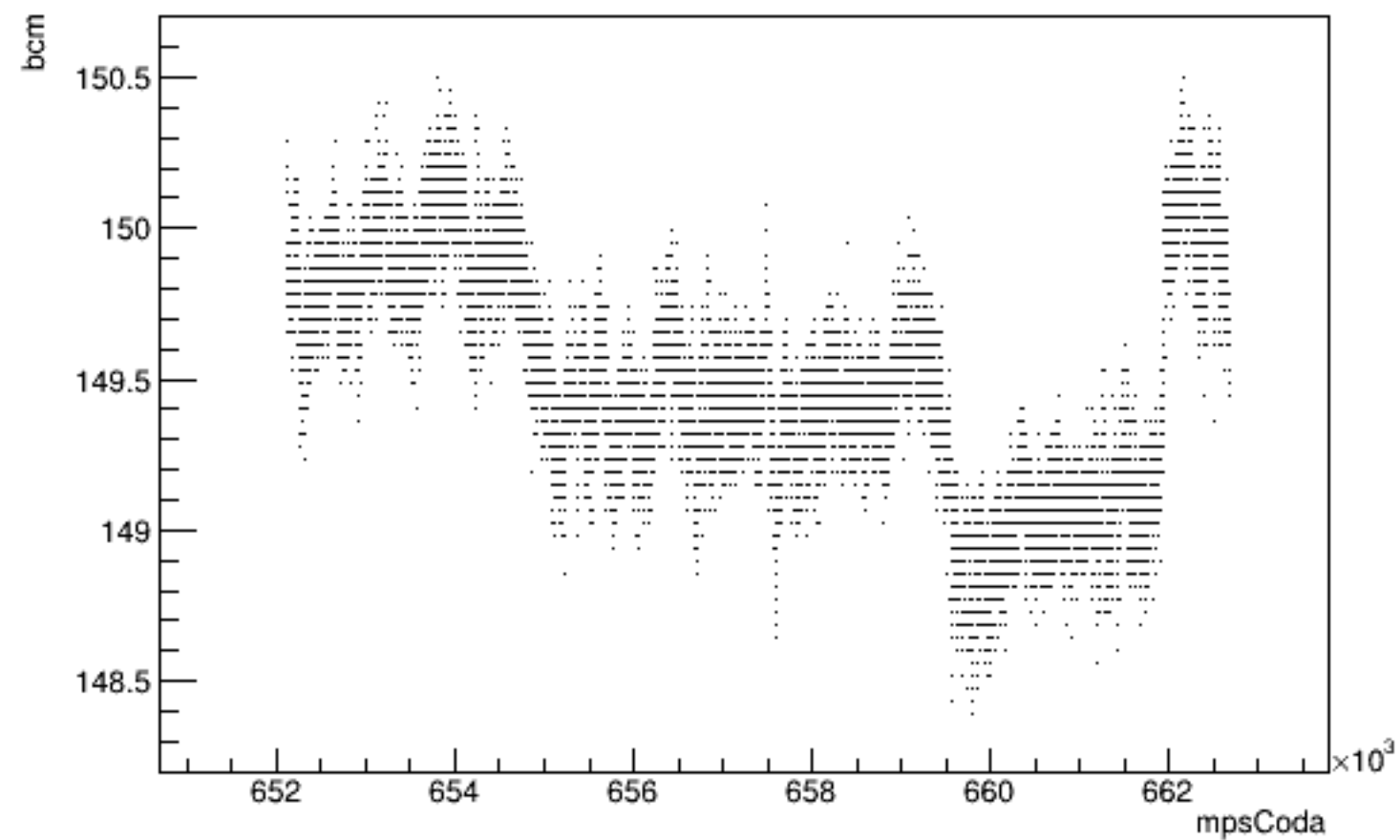
beamState + 1:mpsCoda {mpsCoda>=652112 && mpsCoda<=662671}



cavPowerCalibrated:mpsCoda {mpsCoda>=652112 && mpsCoda<=662671}



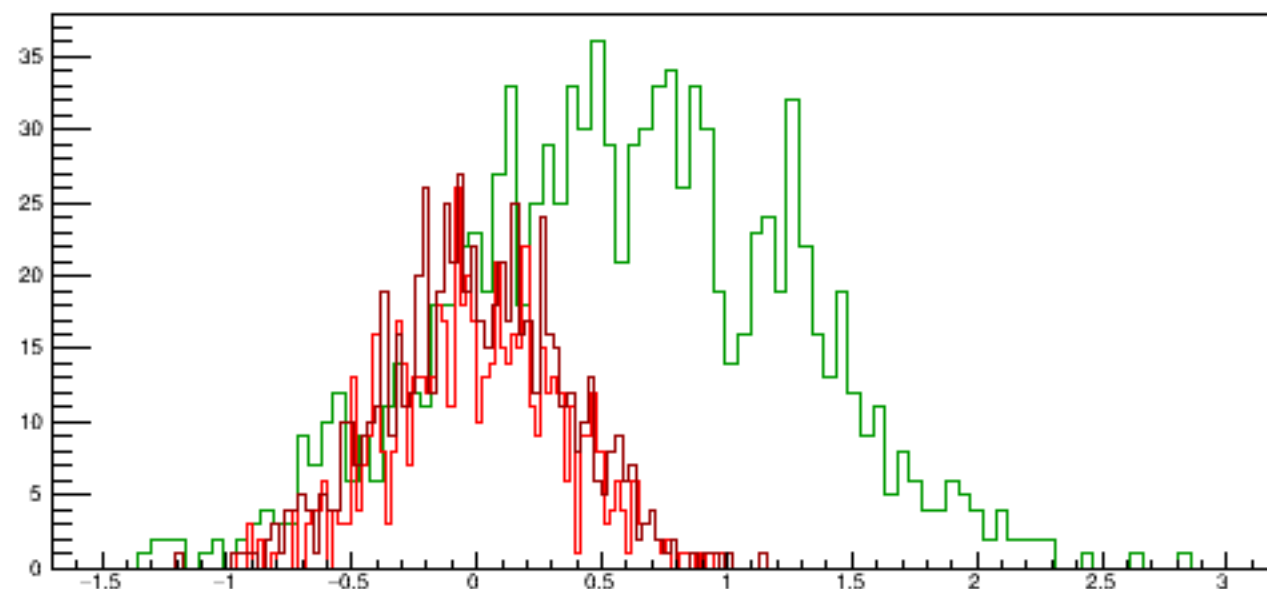
bcm:mpsCoda {mpsCoda>=652112 && mpsCoda<=662671}



Cycle 41, Diffs

Entries: 634	Entries: 1061	Entries: 684
Mean: 0.0047 +/- 0.0136	Mean: 0.5861 +/- 0.0207	Mean: -0.0085 +/- 0.0136
Std Dev: 0.3420 +/- 0.0096	Std Dev: 0.6752 +/- 0.0147	Std Dev: 0.3551 +/- 0.0096

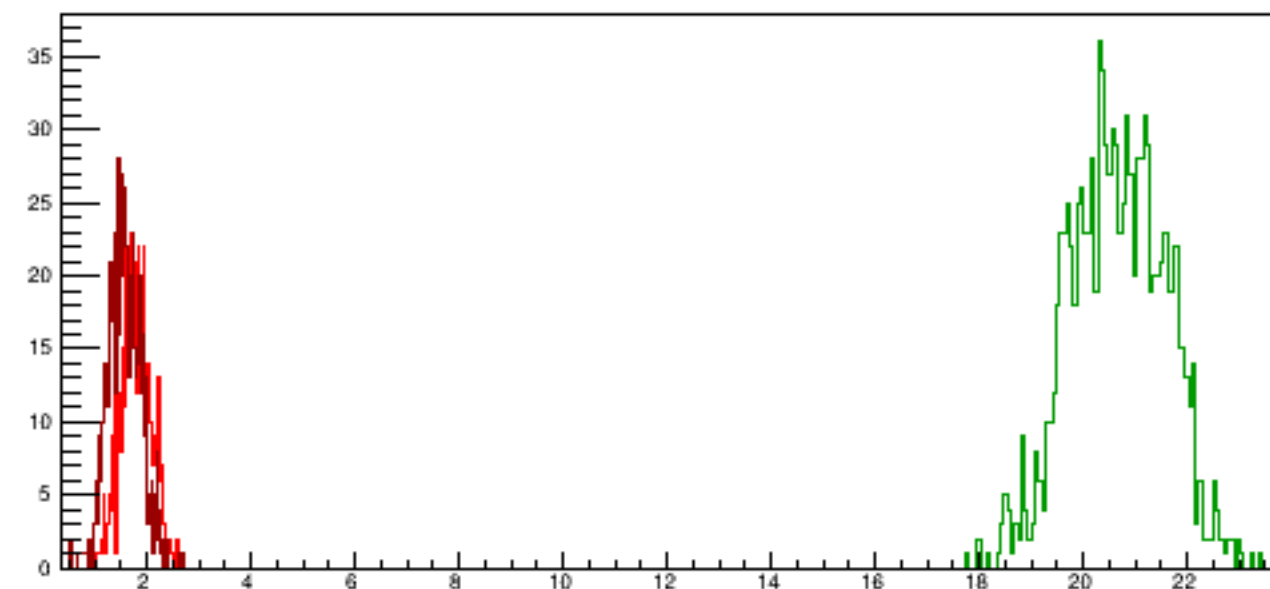
Run 5204 quartetwise, Diffs



Cycle 41, Sums

Entries: 634	Entries: 1061	Entries: 684
Mean: 1.7914 +/- 0.0117	Mean: 20.6481 +/- 0.0281	Mean: 1.5768 +/- 0.0122
Std Dev: 0.2955 +/- 0.0083	Std Dev: 0.9154 +/- 0.0199	Std Dev: 0.3193 +/- 0.0086

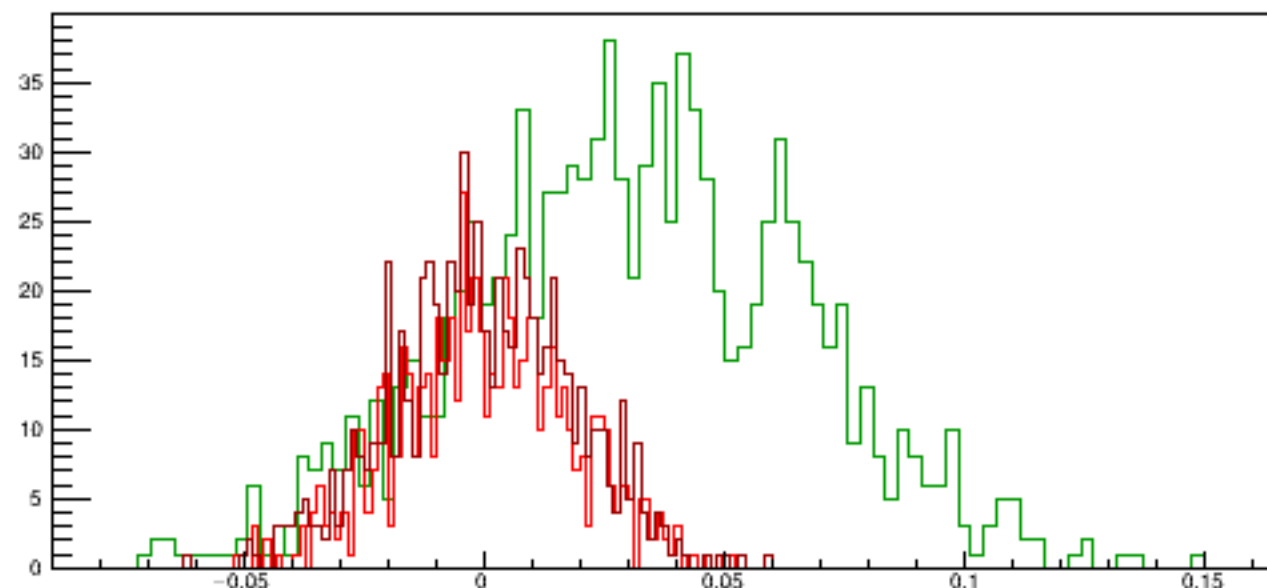
Run 5204 quartetwise, Sums



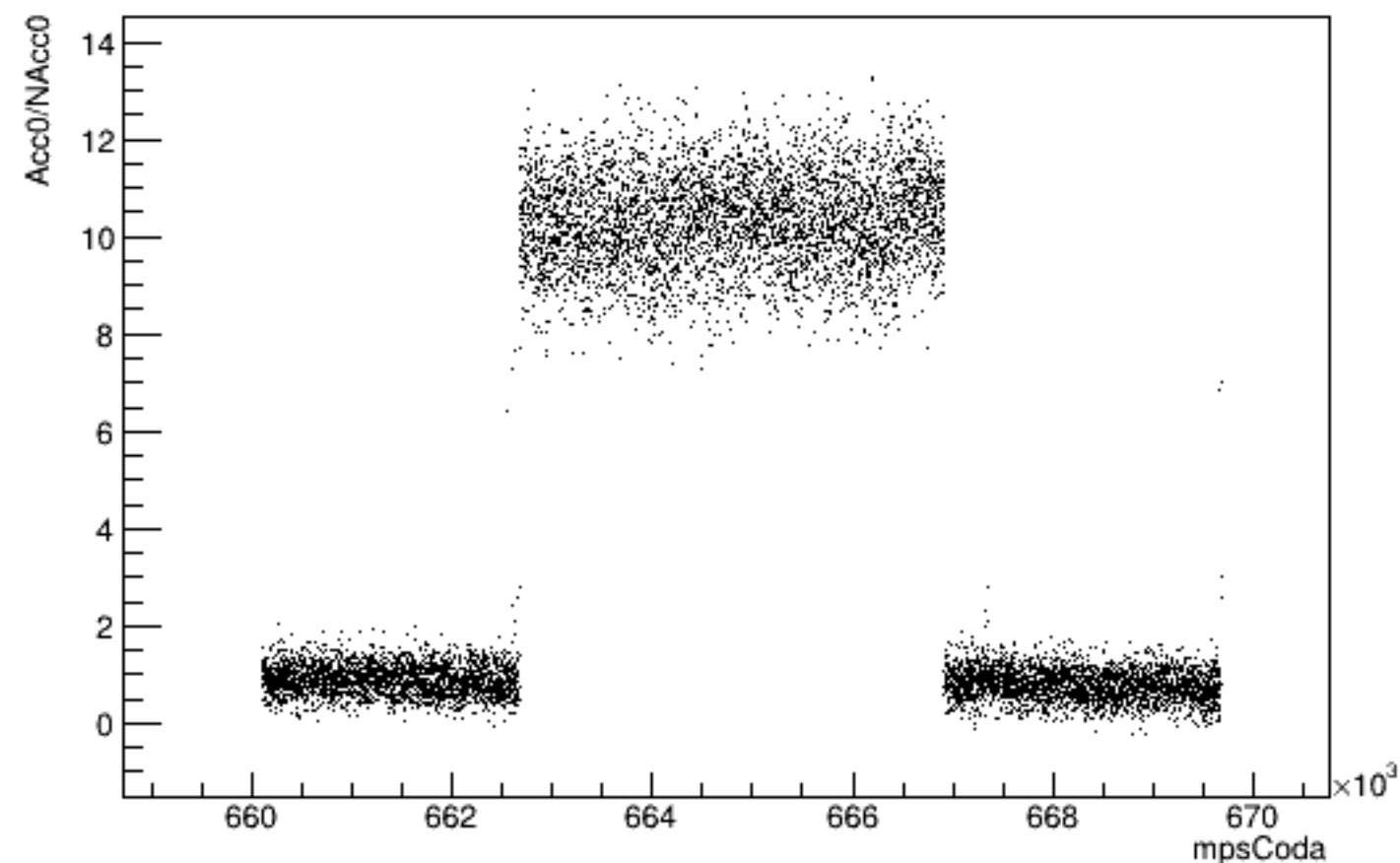
Cycle 41, Asyms

Entries: 634	Entries: 1061	Entries: 684
Mean: 0.0002 +/- 0.0007	Mean: 0.0309 +/- 0.0011	Mean: -0.0004 +/- 0.0007
Std Dev: 0.0180 +/- 0.0005	Std Dev: 0.0357 +/- 0.0008	Std Dev: 0.0187 +/- 0.0005

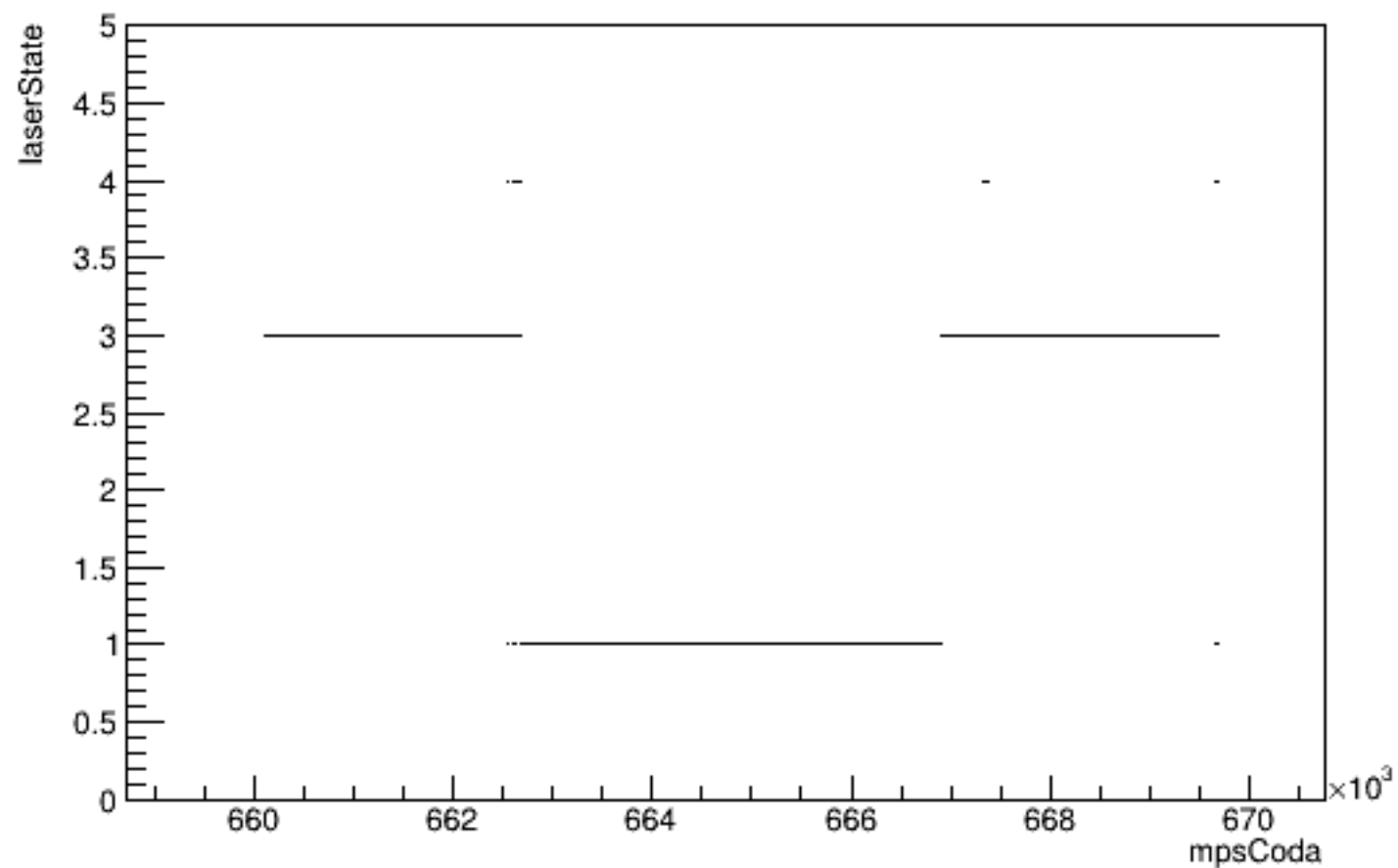
Run 5204 quartetwise, Asyms



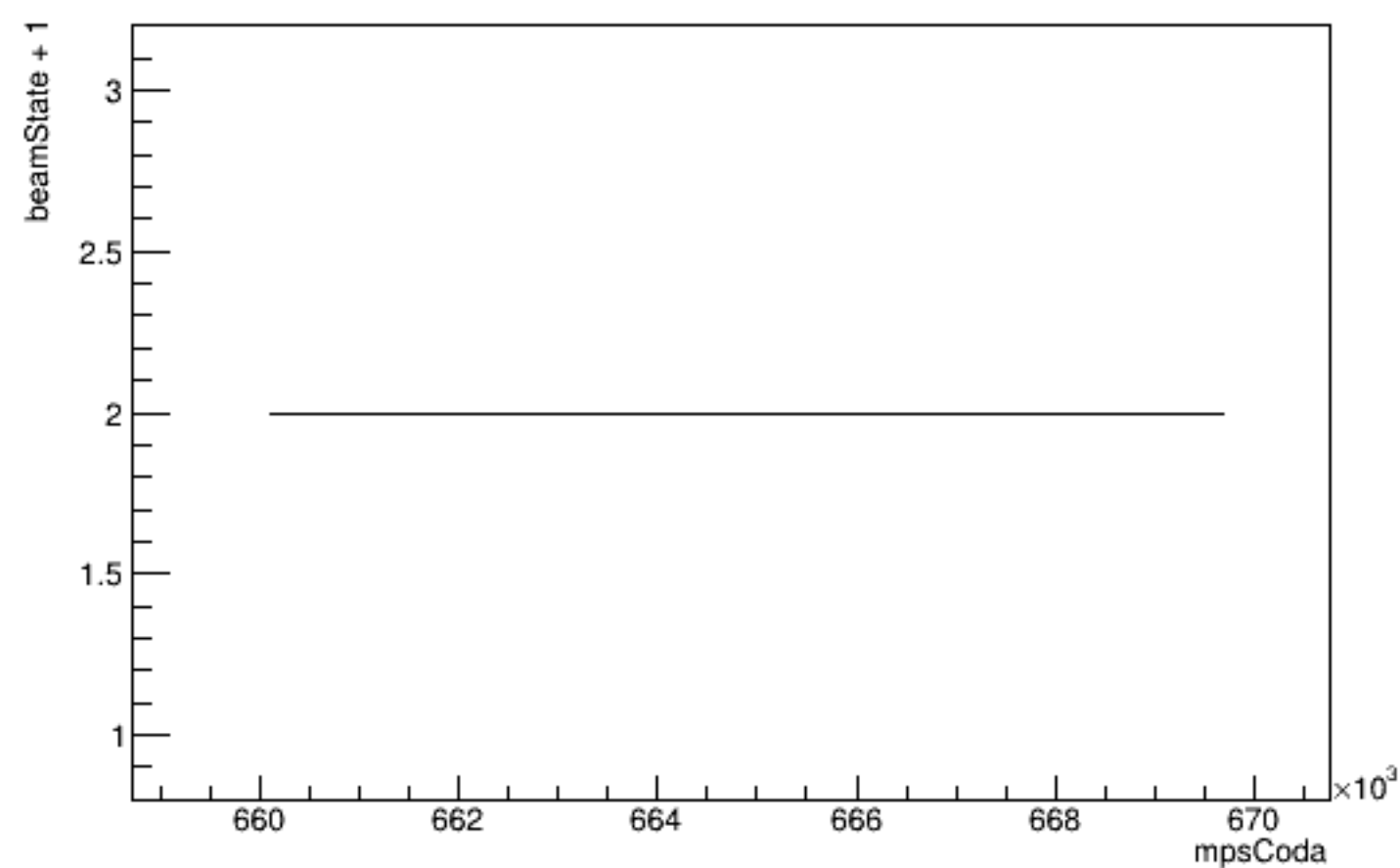
Acc0/NAcc0:mpsCoda (mpsCoda>=660104 && mpsCoda<=669679 && beamState==1)



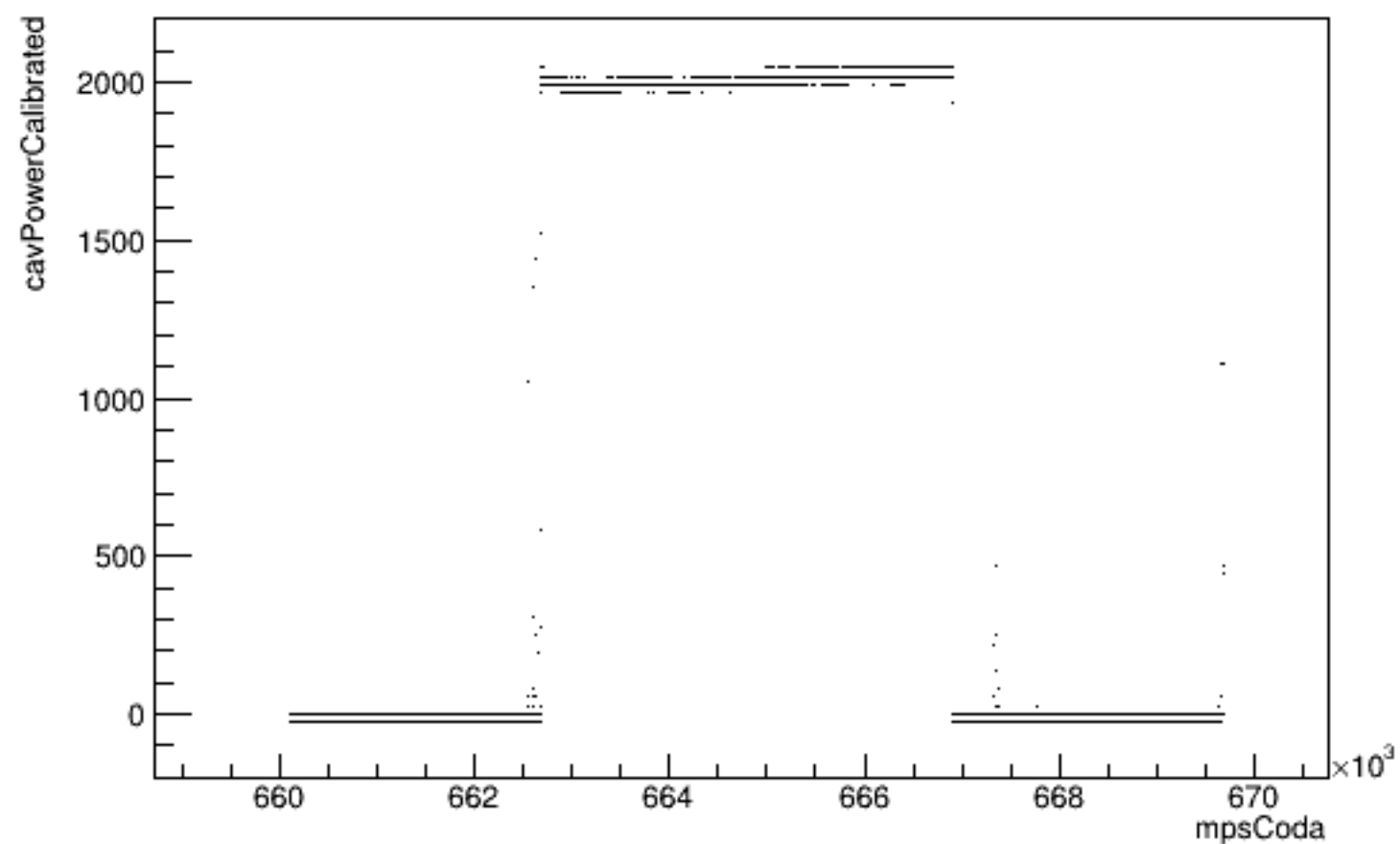
laserState:mpsCoda {mpsCoda>=660104 && mpsCoda<=669679}



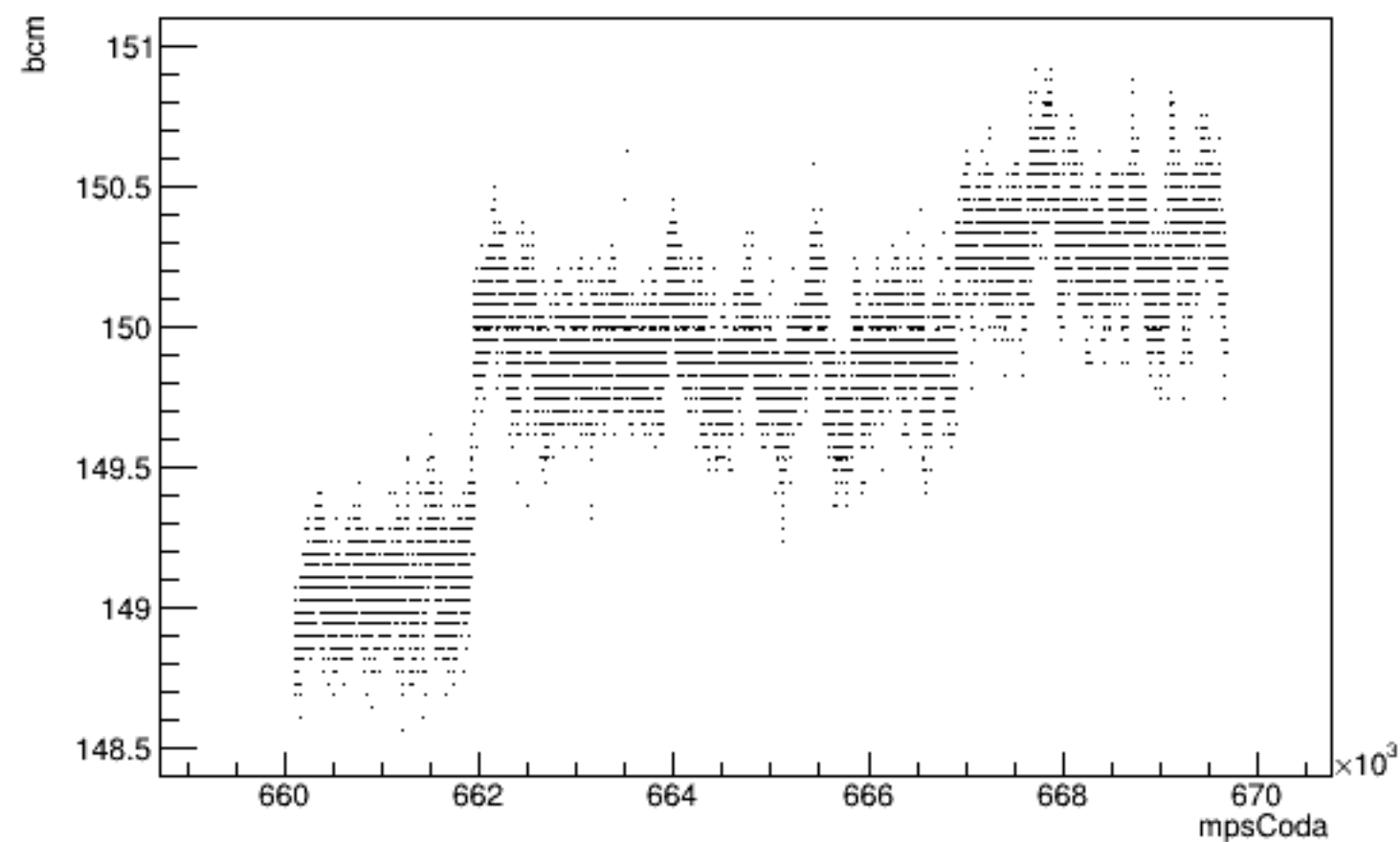
beamState + 1:mpsCoda {mpsCoda>=660104 && mpsCoda<=669679}



cavPowerCalibrated:mpsCoda {mpsCoda>=660104 && mpsCoda<=669679}



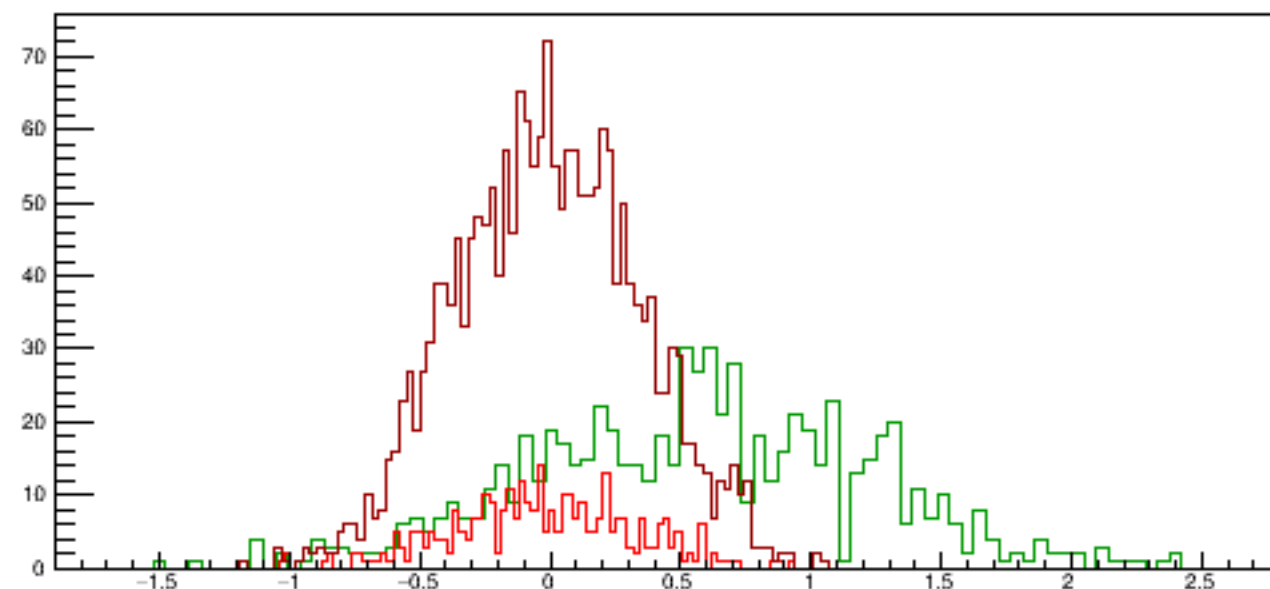
bcm:mpsCoda {mpsCoda>=660104 && mpsCoda<=669679}



Cycle 42, Diffs

Entries: 335	Entries: 730	Entries: 2036
Mean: -0.0305 +/- 0.0192	Mean: 0.5573 +/- 0.0243	Mean: -0.0090 +/- 0.0078
Std Dev: 0.3516 +/- 0.0136	Std Dev: 0.6554 +/- 0.0172	Std Dev: 0.3520 +/- 0.0055

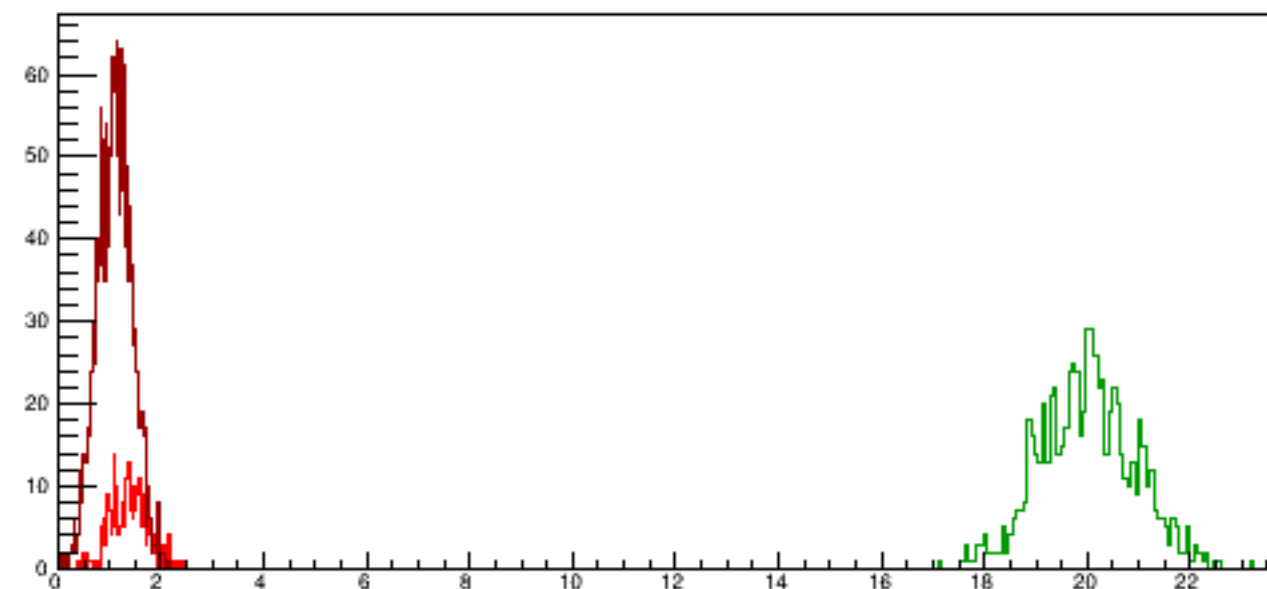
Run 5204 quartetwise, Diffs



Cycle 42, Sums

Entries: 335	Entries: 730	Entries: 2036
Mean: 1.3869 +/- 0.0201	Mean: 19.9970 +/- 0.0342	Mean: 1.1047 +/- 0.0074
Std Dev: 0.3688 +/- 0.0142	Std Dev: 0.9246 +/- 0.0242	Std Dev: 0.3329 +/- 0.0052

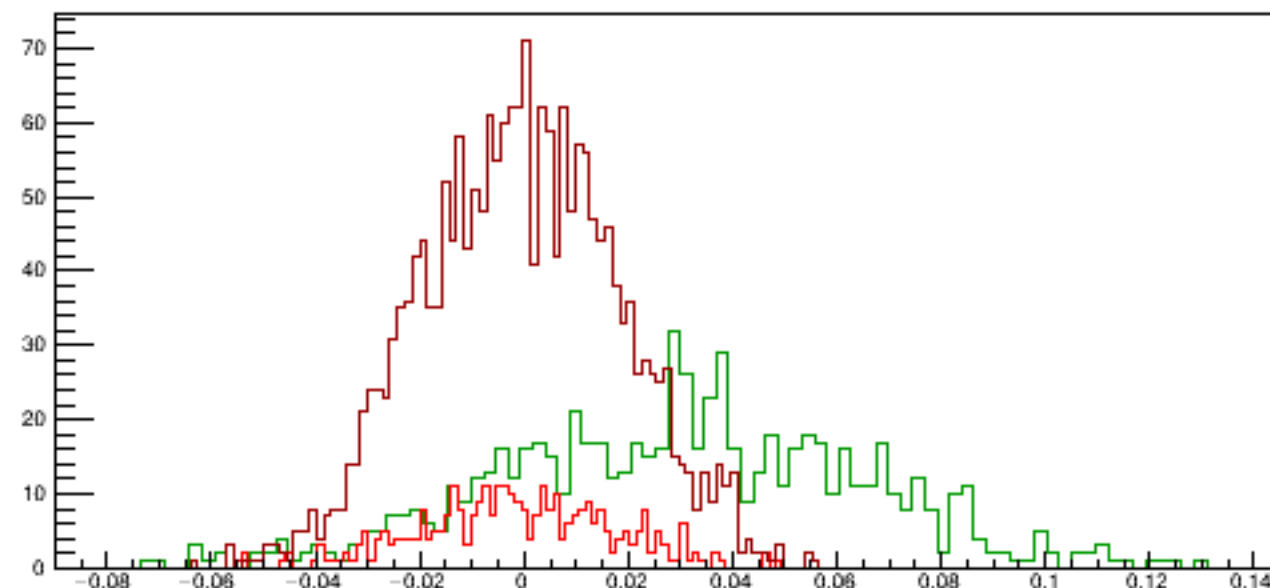
Run 5204 quartetwise, Sums



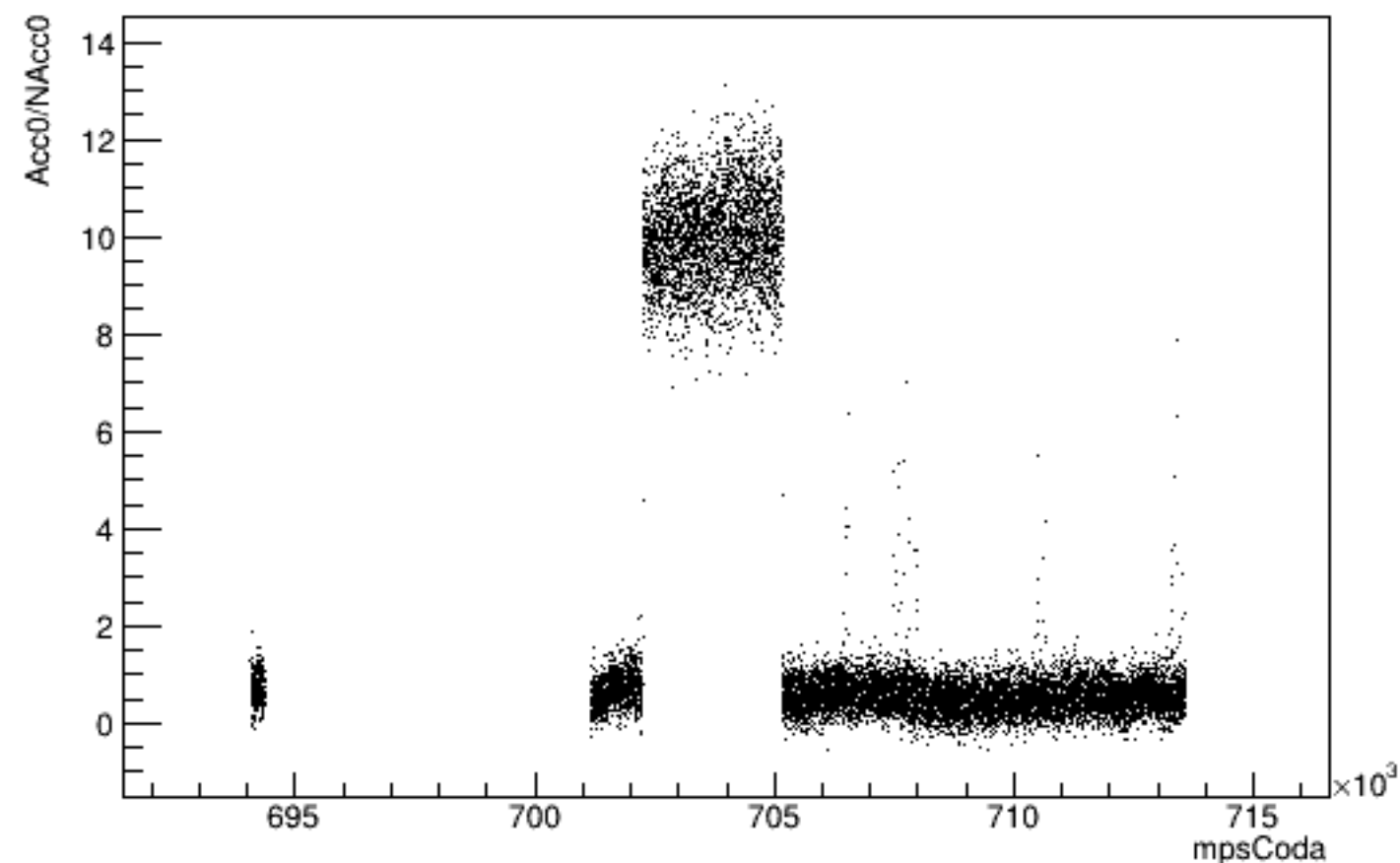
Cycle 42, Asyms

Entries: 335	Entries: 730	Entries: 2036
Mean: -0.0016 +/- 0.0010	Mean: 0.0297 +/- 0.0013	Mean: -0.0005 +/- 0.0004
Std Dev: 0.0188 +/- 0.0007	Std Dev: 0.0350 +/- 0.0009	Std Dev: 0.0188 +/- 0.0003

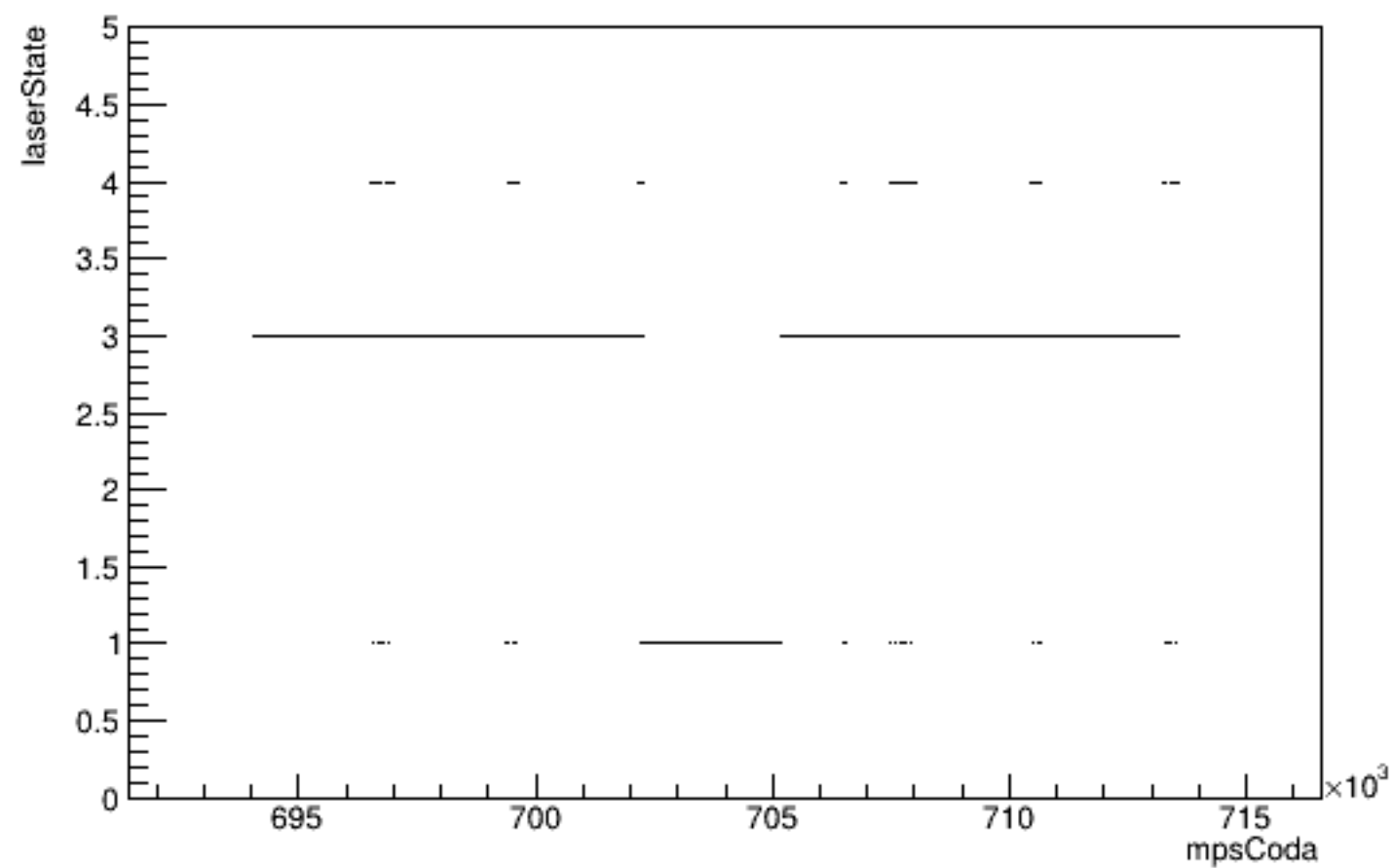
Run 5204 quartetwise, Asyms



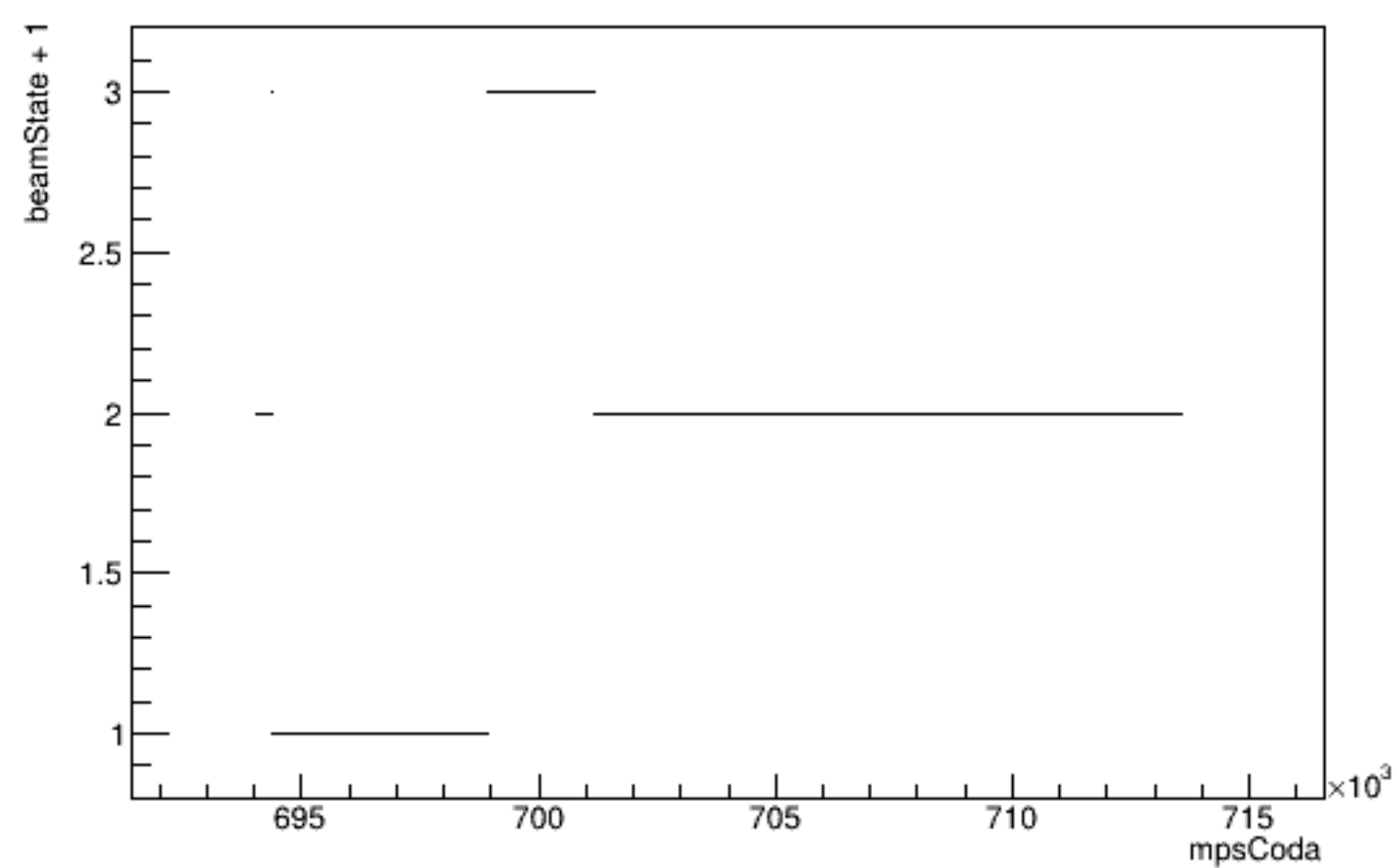
Acc0/NAcc0:mpsCoda (mpsCoda>=694068 && mpsCoda<=713575 && beamState==1)



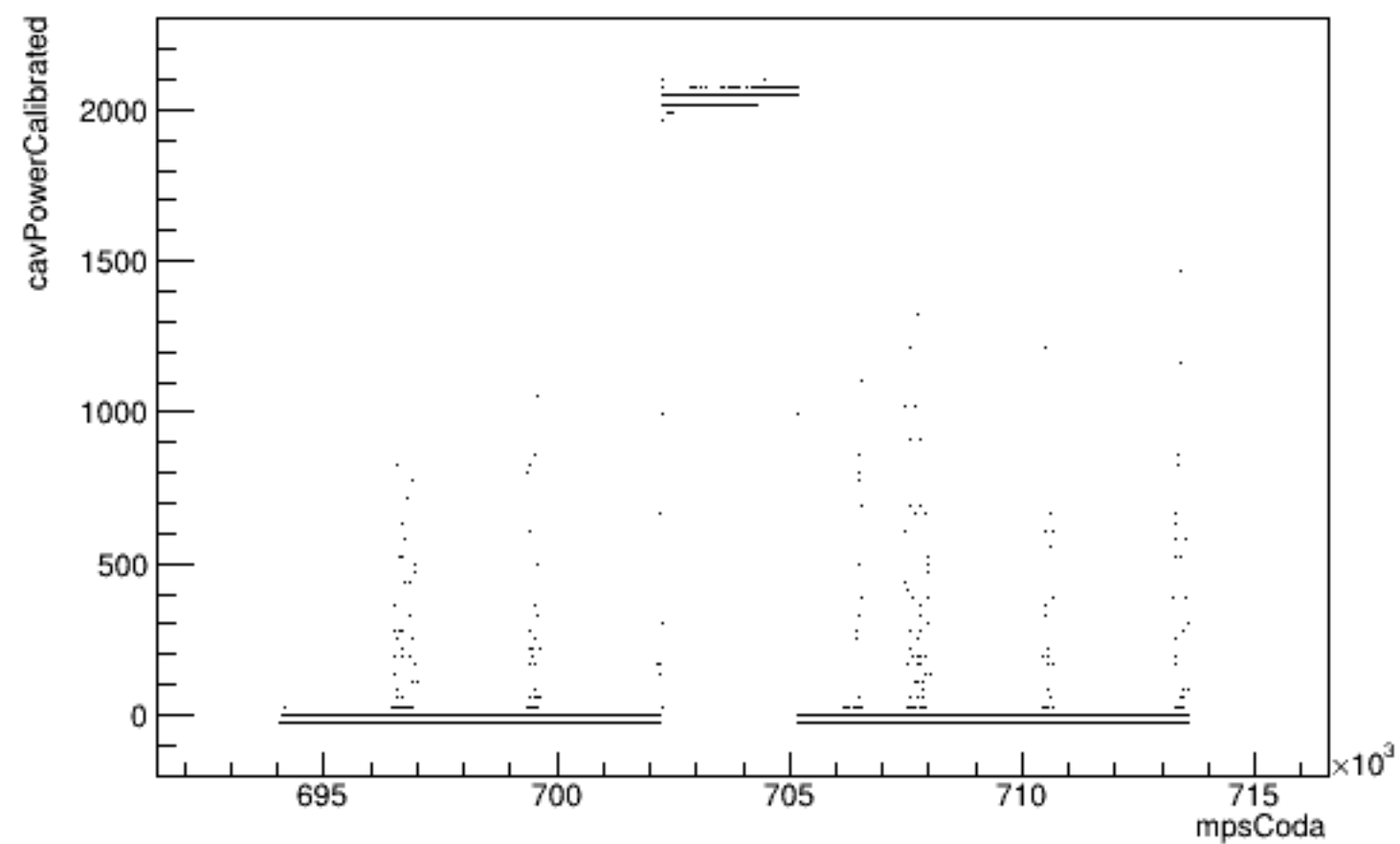
laserState:mpsCoda {mpsCoda>=694068 && mpsCoda<=713575}



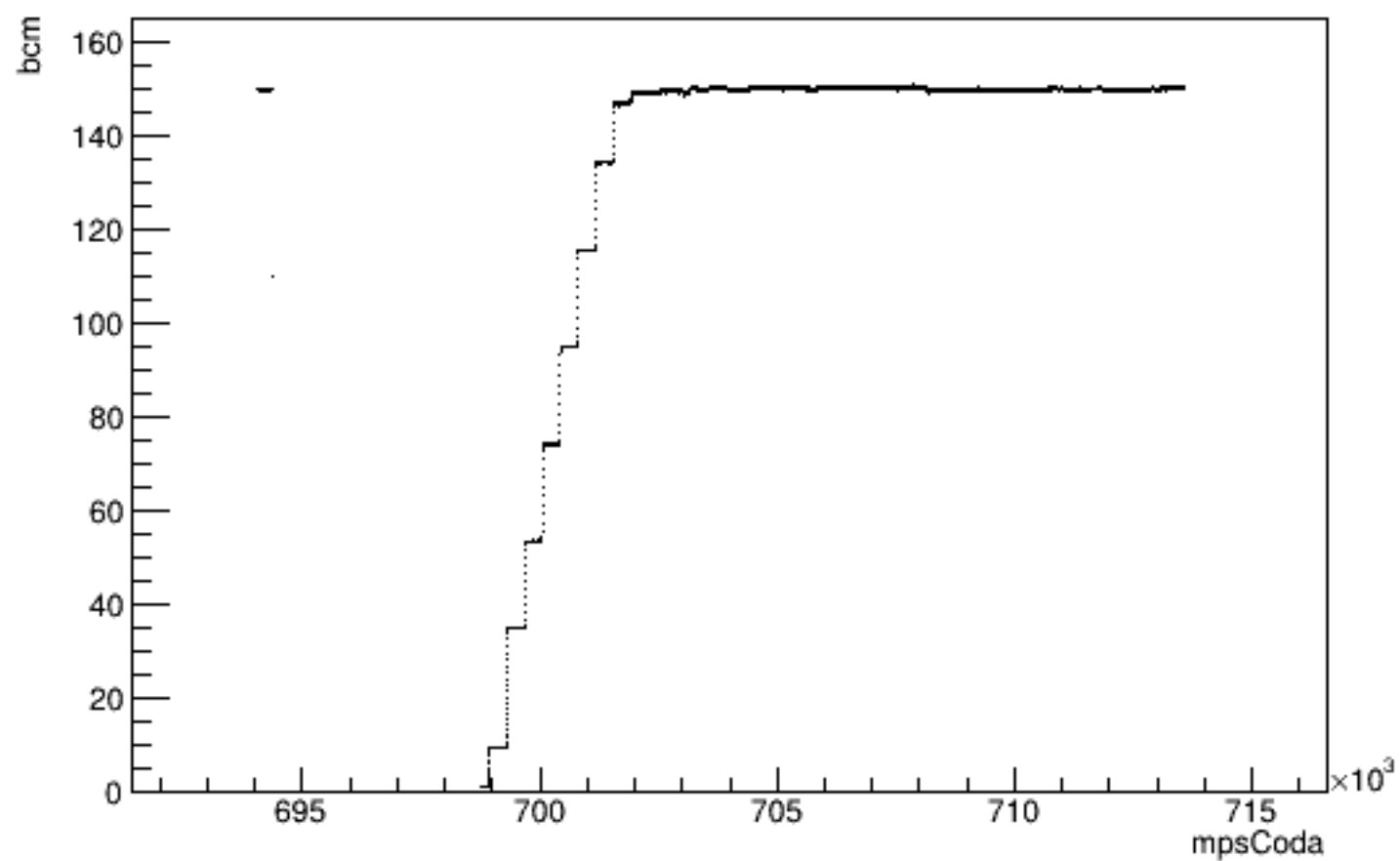
beamState + 1:mpsCoda {mpsCoda>=694068 && mpsCoda<=713575}



cavPowerCalibrated:mpsCoda {mpsCoda>=694068 && mpsCoda<=713575}



bcm:mpsCoda {mpsCoda>=694068 && mpsCoda<=713575}



Cycle 43, Diffs

Entries: 2036

Mean: -0.0090 +/- 0.0078

Std Dev: 0.3520 +/- 0.0055

Entries: 663

Mean: 0.6199 +/- 0.0255

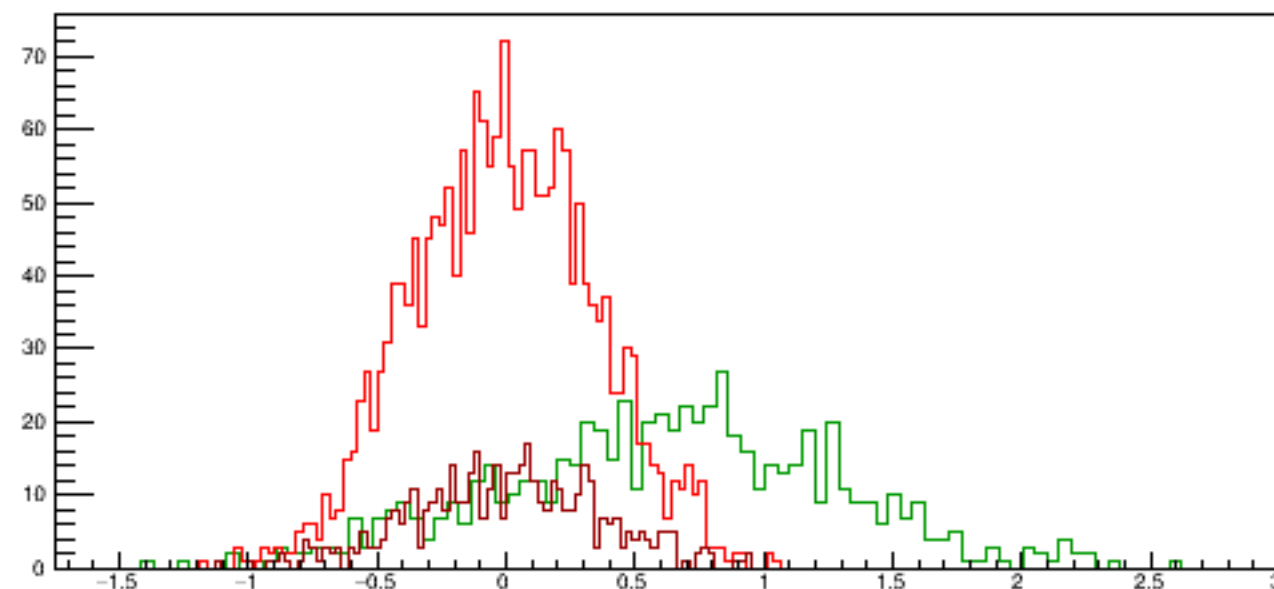
Std Dev: 0.6570 +/- 0.0180

Entries: 459

Mean: -0.0038 +/- 0.0171

Std Dev: 0.3673 +/- 0.0121

Run 5204 quartetwise, Diffs



Cycle 43, Sums

Entries: 2036

Mean: 1.1047 +/- 0.0074

Std Dev: 0.3329 +/- 0.0052

Entries: 663

Mean: 20.2718 +/- 0.0348

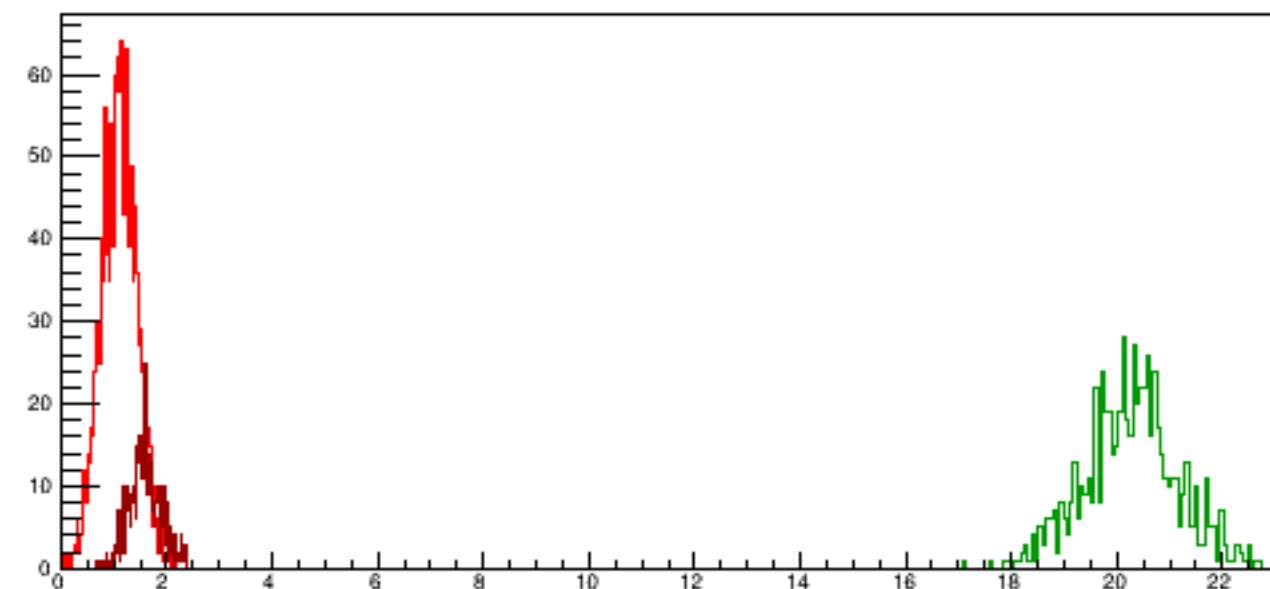
Std Dev: 0.8958 +/- 0.0246

Entries: 459

Mean: 1.5870 +/- 0.0144

Std Dev: 0.3095 +/- 0.0102

Run 5204 quartetwise, Sums



Cycle 43, Asyms

Entries: 2036

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0186 +/- 0.0003

Entries: 663

Mean: 0.0327 +/- 0.0013

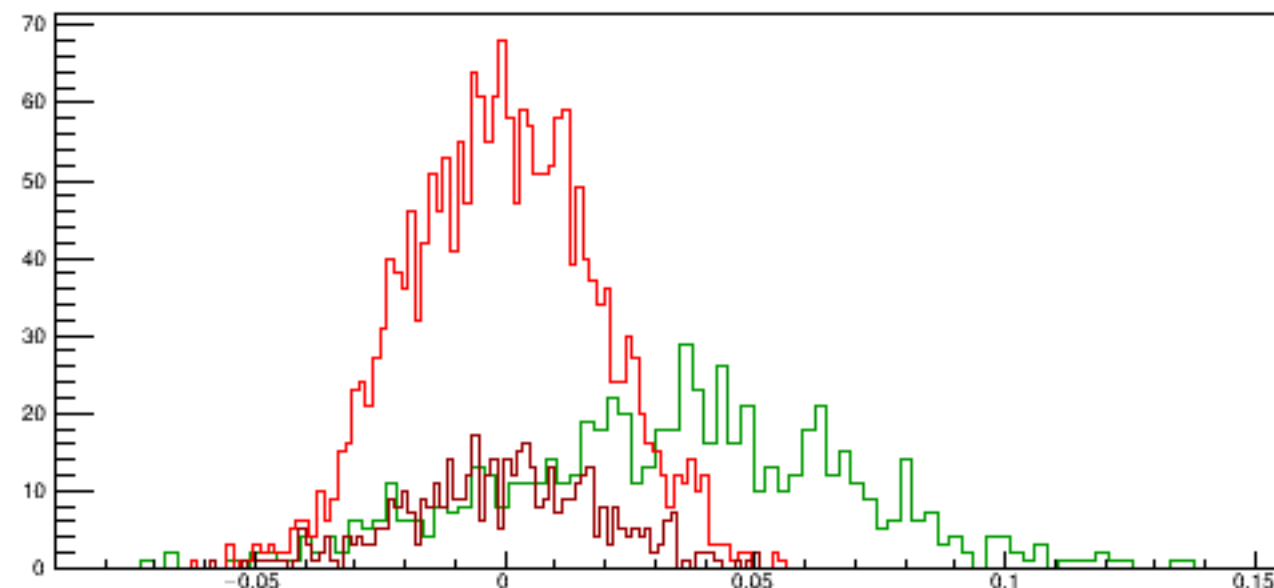
Std Dev: 0.0347 +/- 0.0010

Entries: 459

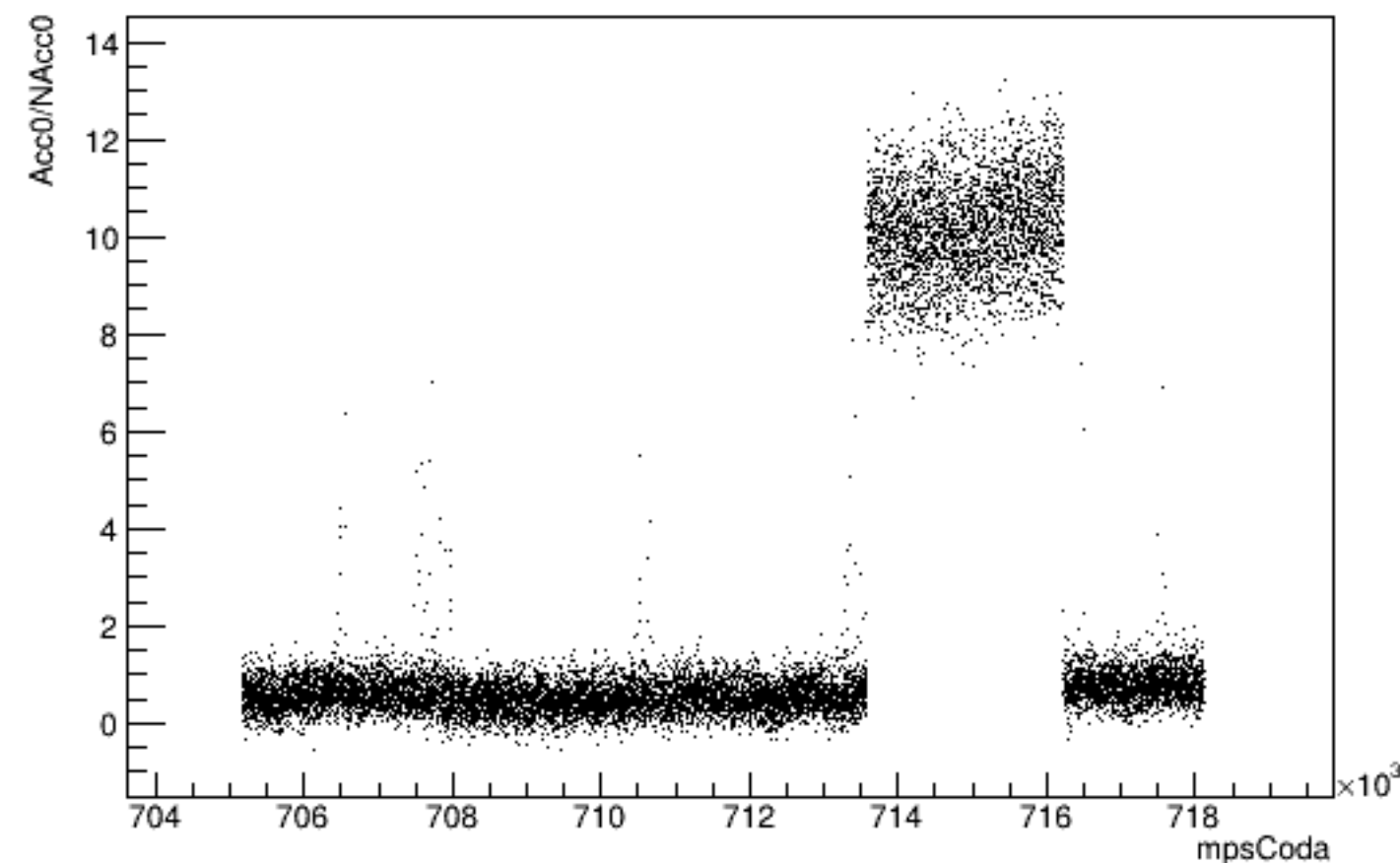
Mean: -0.0002 +/- 0.0009

Std Dev: 0.0194 +/- 0.0006

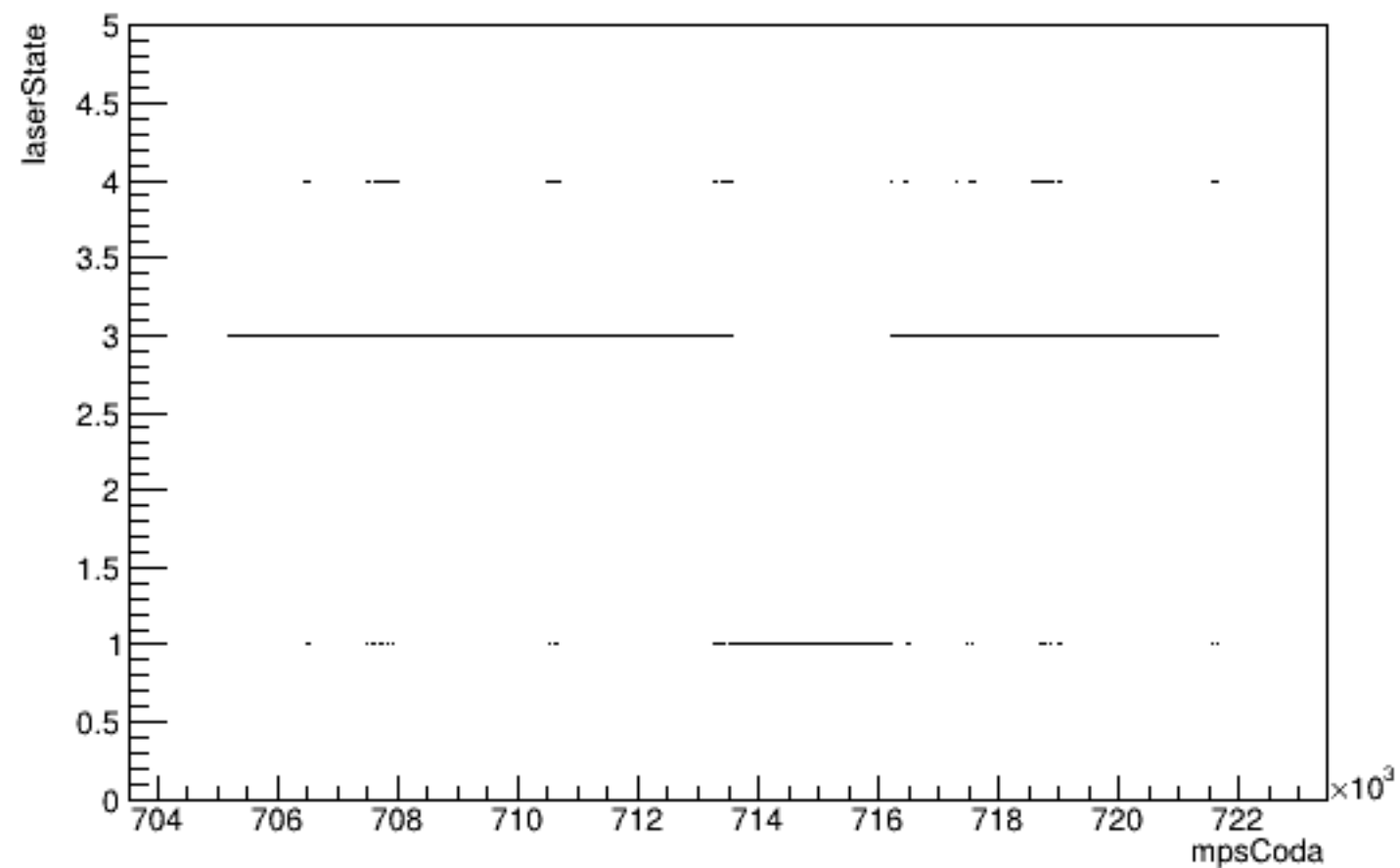
Run 5204 quartetwise, Asyms



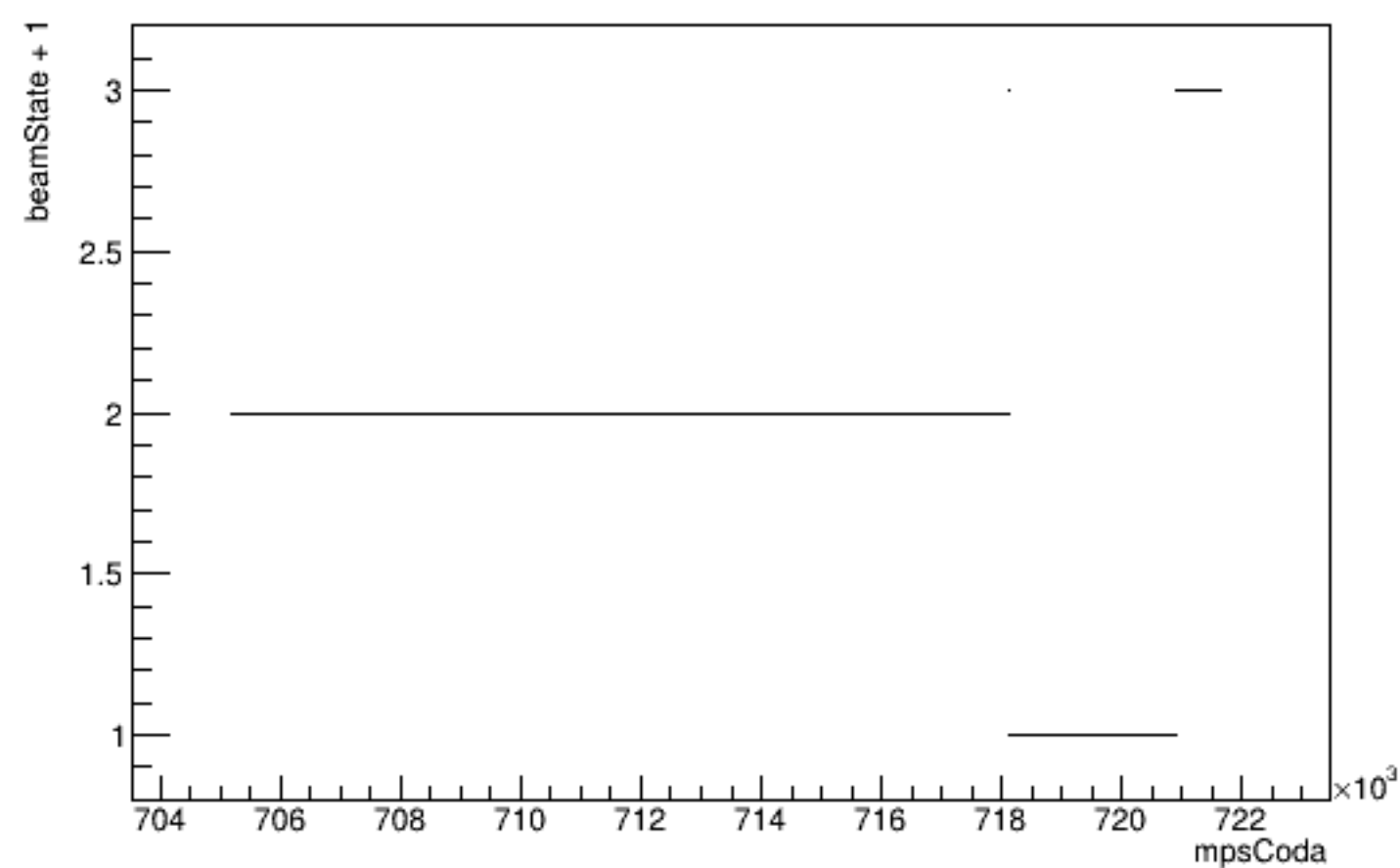
Acc0/NAcc0:mpsCoda (mpsCoda>=705172 && mpsCoda<=721635 && beamState==1)



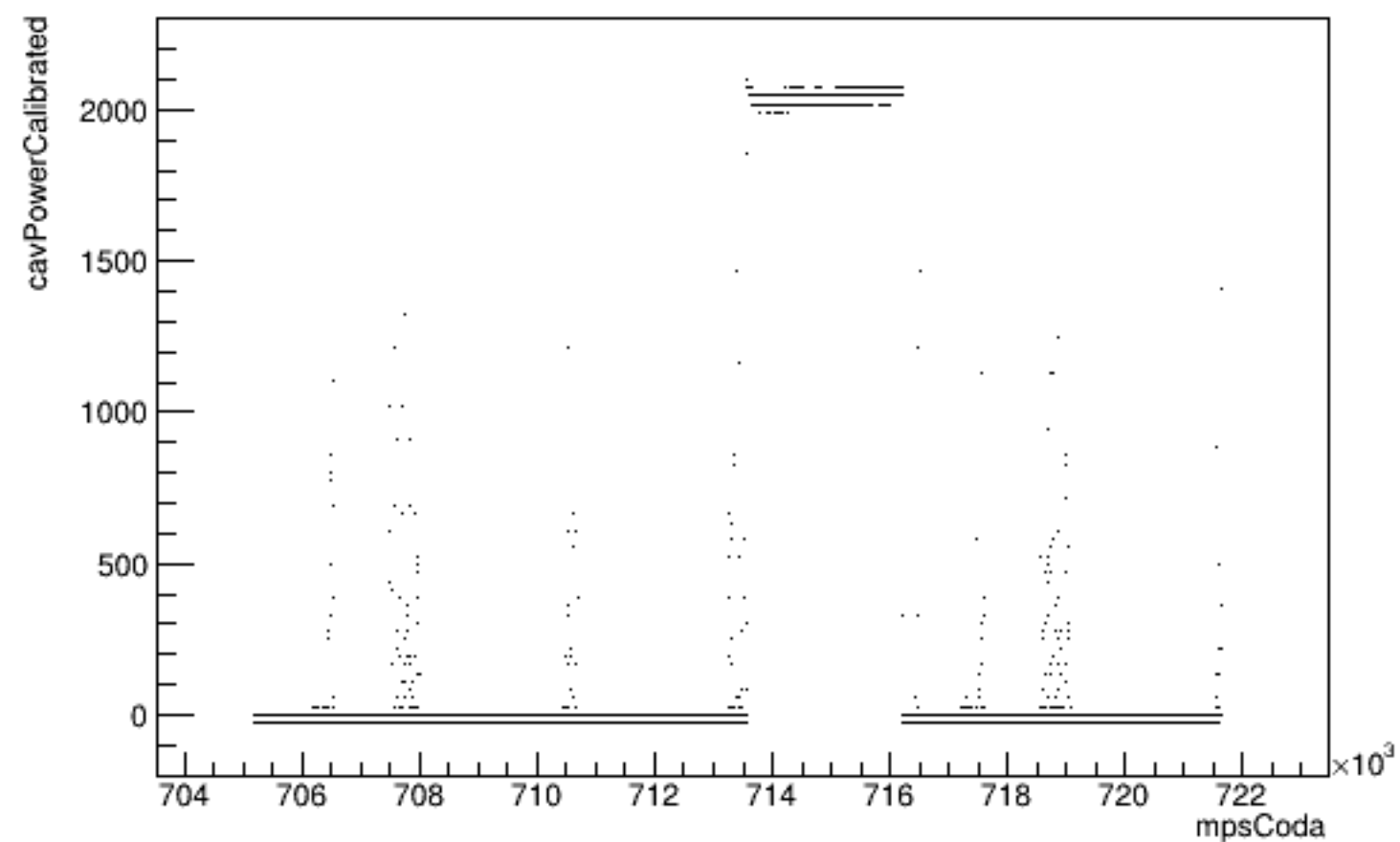
laserState:mpsCoda {mpsCoda>=705172 && mpsCoda<=721635}



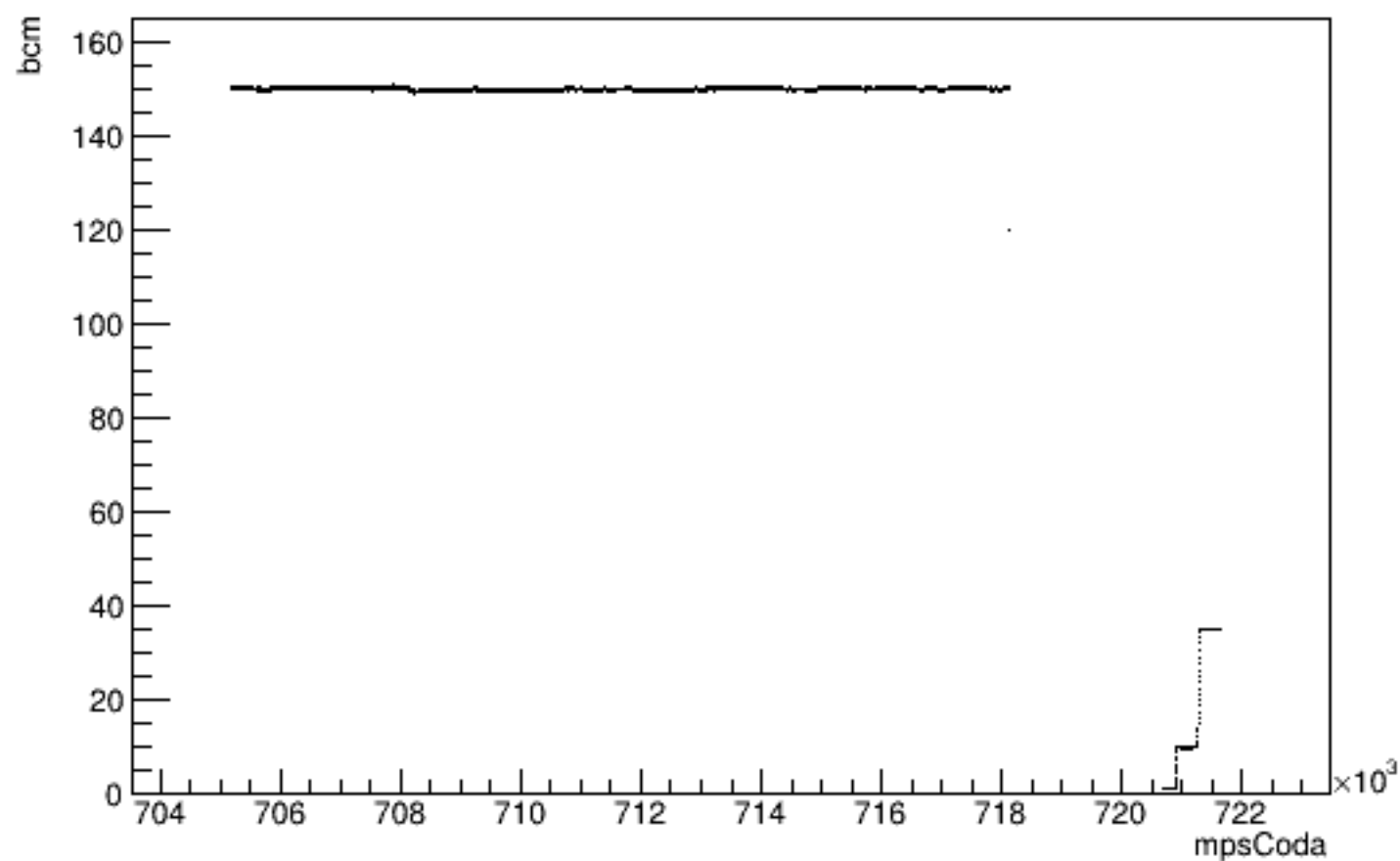
beamState + 1:mpsCoda {mpsCoda>=705172 && mpsCoda<=721635}



cavPowerCalibrated:mpsCoda {mpsCoda>=705172 && mpsCoda<=721635}



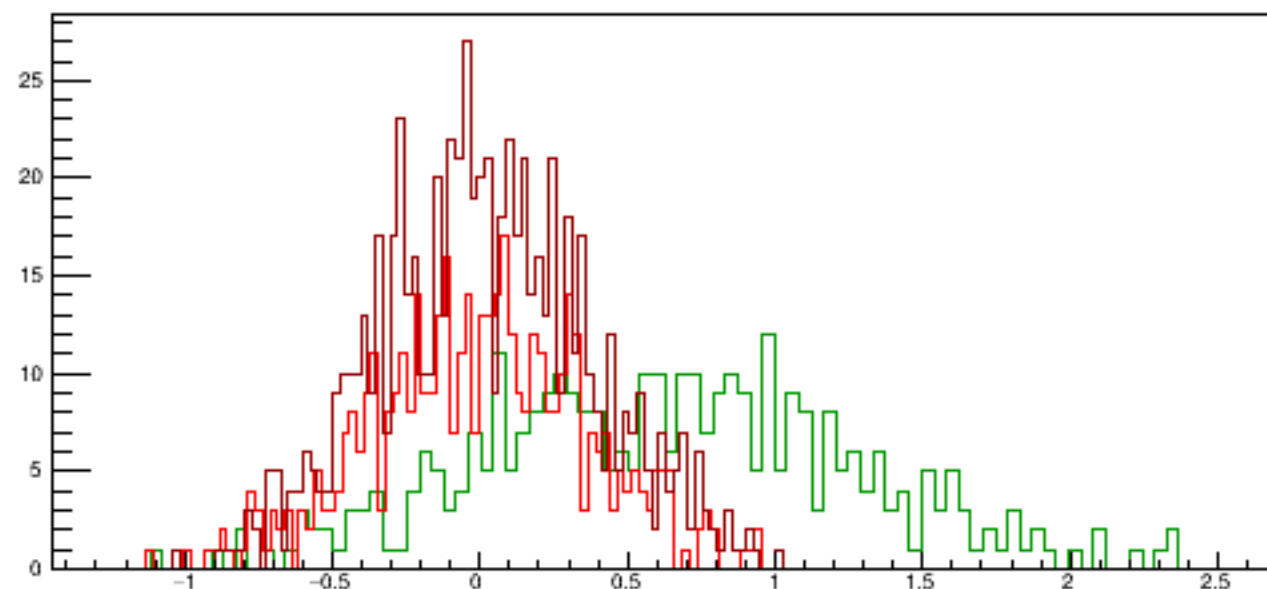
bcm:mpsCoda {mpsCoda>=705172 && mpsCoda<=721635}



Cycle 44, Diffs

Entries: 459	Entries: 345	Entries: 709
Mean: -0.0038 +/- 0.0171	Mean: 0.6333 +/- 0.0344	Mean: 0.0152 +/- 0.0135
Std Dev: 0.3673 +/- 0.0121	Std Dev: 0.6383 +/- 0.0243	Std Dev: 0.3598 +/- 0.0096

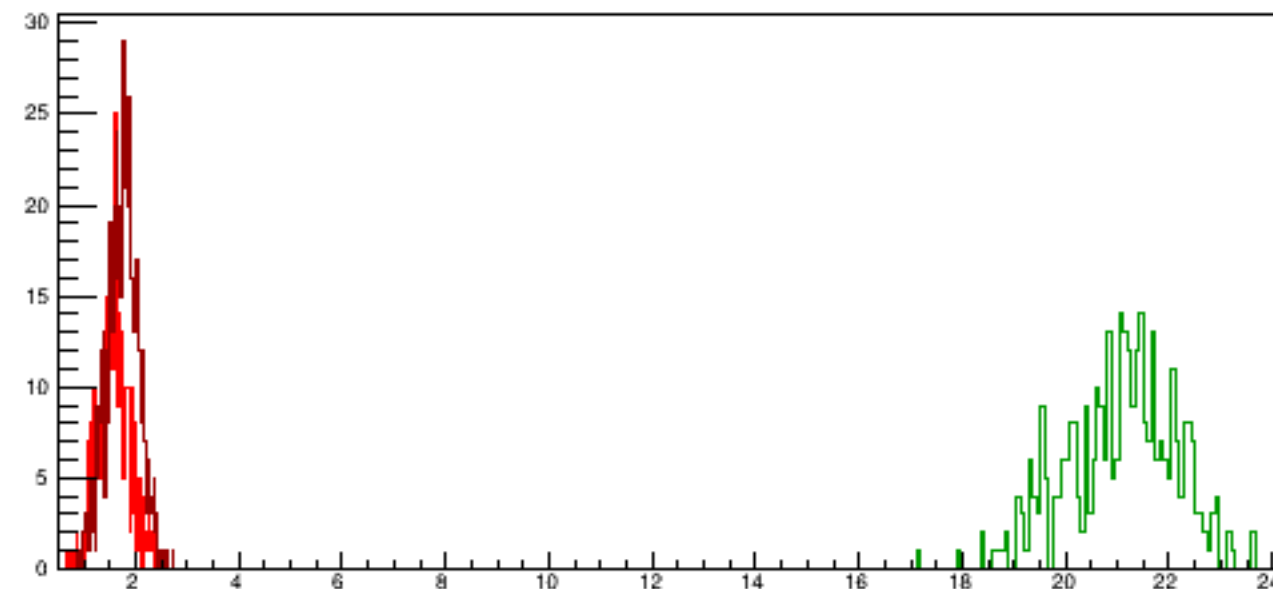
Run 5204 quartetwise, Diffs



Cycle 44, Sums

Entries: 459	Entries: 345	Entries: 709
Mean: 1.5870 +/- 0.0144	Mean: 21.0456 +/- 0.0572	Mean: 1.7428 +/- 0.0114
Std Dev: 0.3095 +/- 0.0102	Std Dev: 1.0621 +/- 0.0404	Std Dev: 0.3041 +/- 0.0081

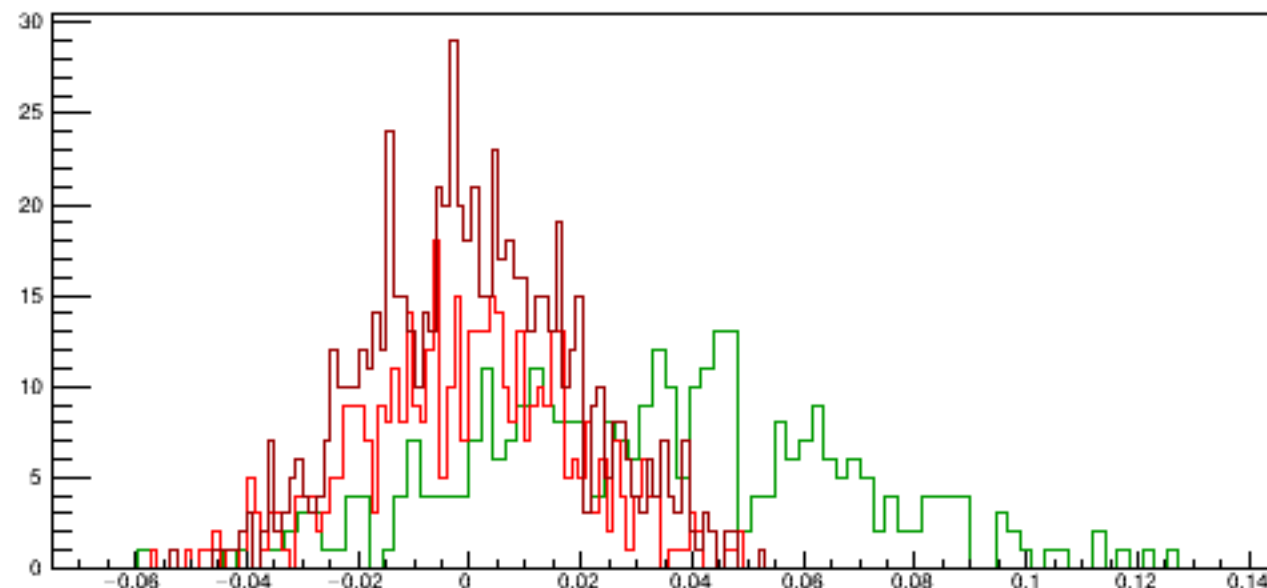
Run 5204 quartetwise, Sums



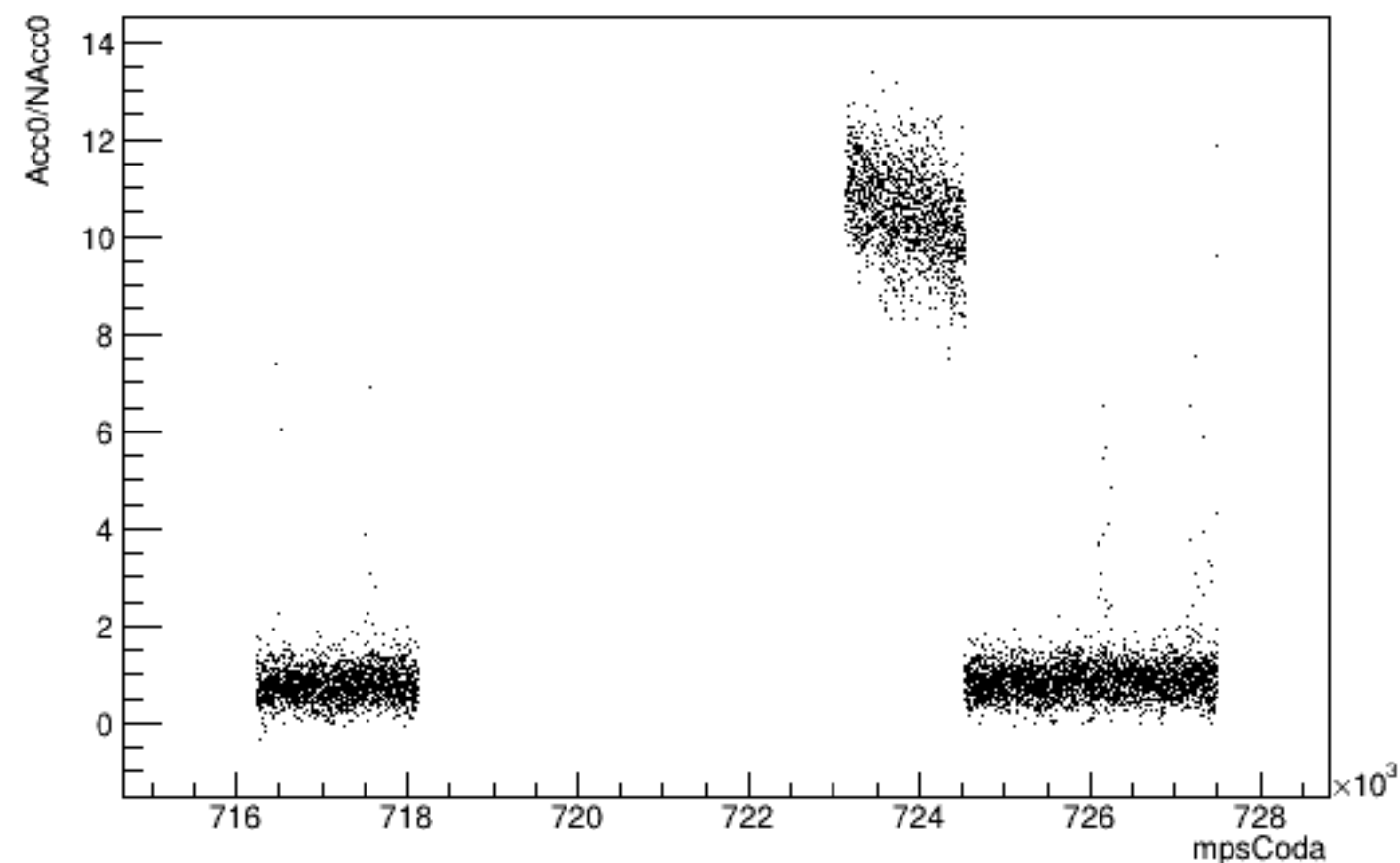
Cycle 44, Asyms

Entries: 459	Entries: 345	Entries: 709
Mean: -0.0002 +/- 0.0009	Mean: 0.0327 +/- 0.0018	Mean: 0.0008 +/- 0.0007
Std Dev: 0.0190 +/- 0.0006	Std Dev: 0.0333 +/- 0.0013	Std Dev: 0.0186 +/- 0.0005

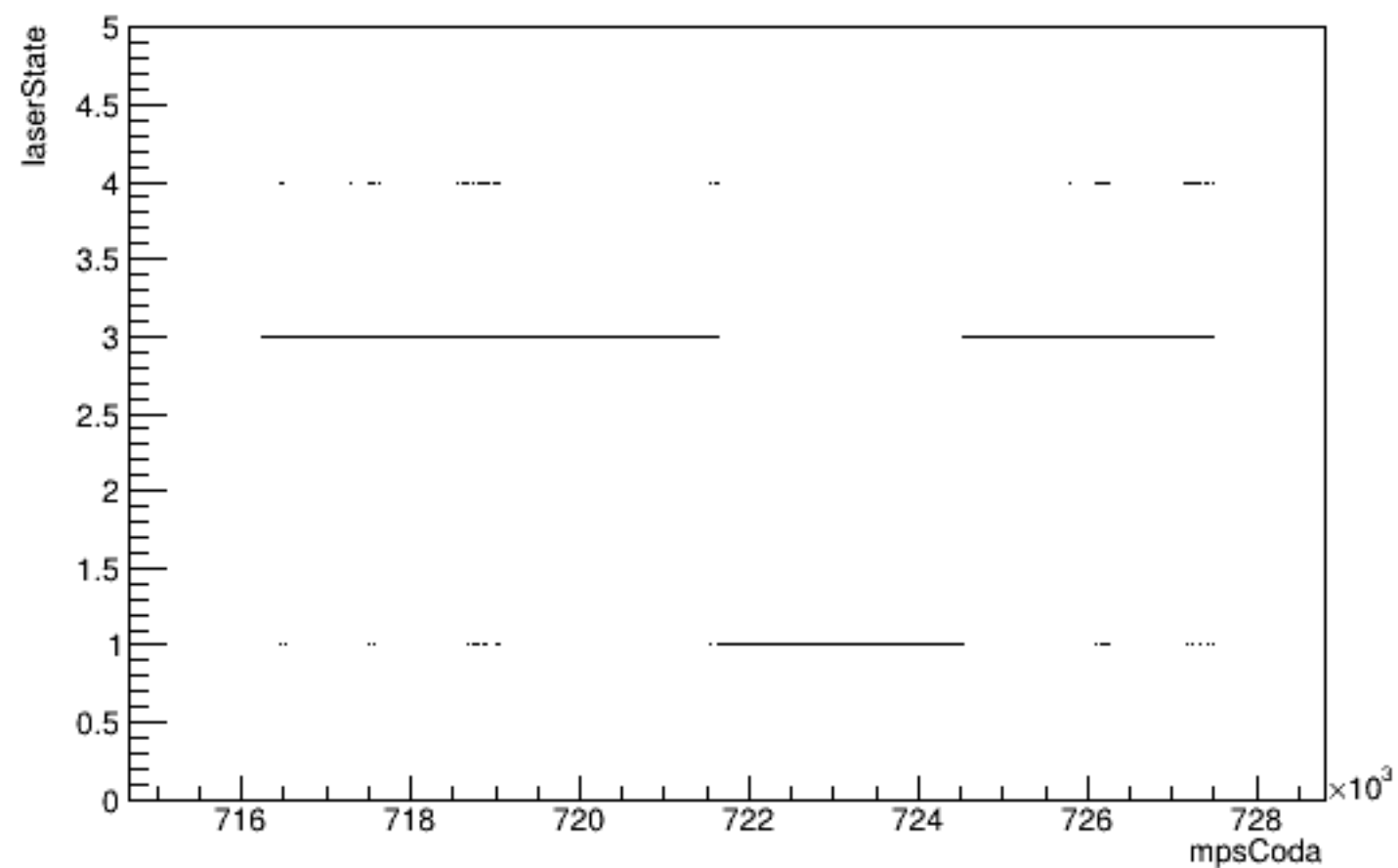
Run 5204 quartetwise, Asyms



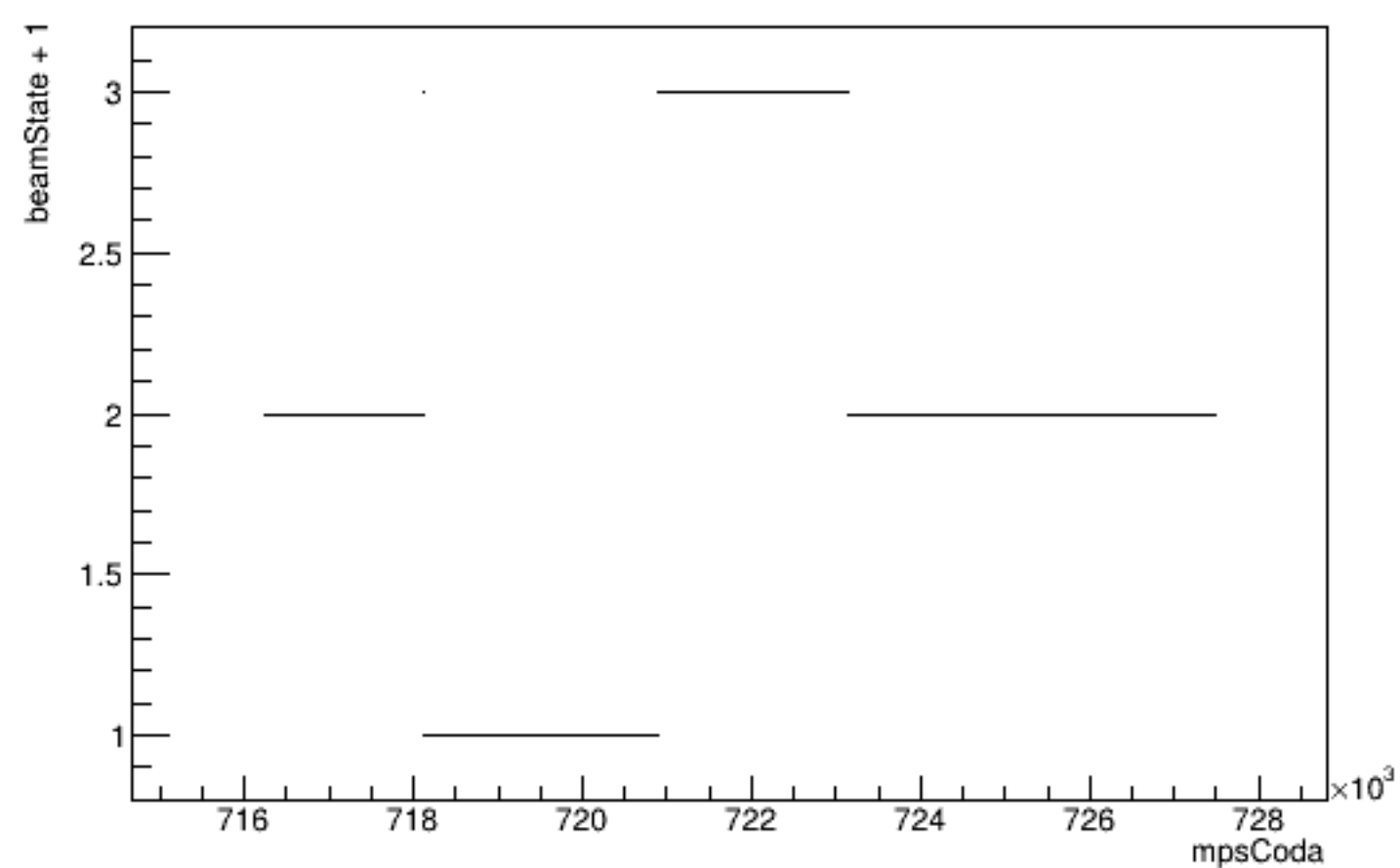
Acc0/NAcc0:mpsCoda (mpsCoda>=716232 && mpsCoda<=727495 && beamState==1)



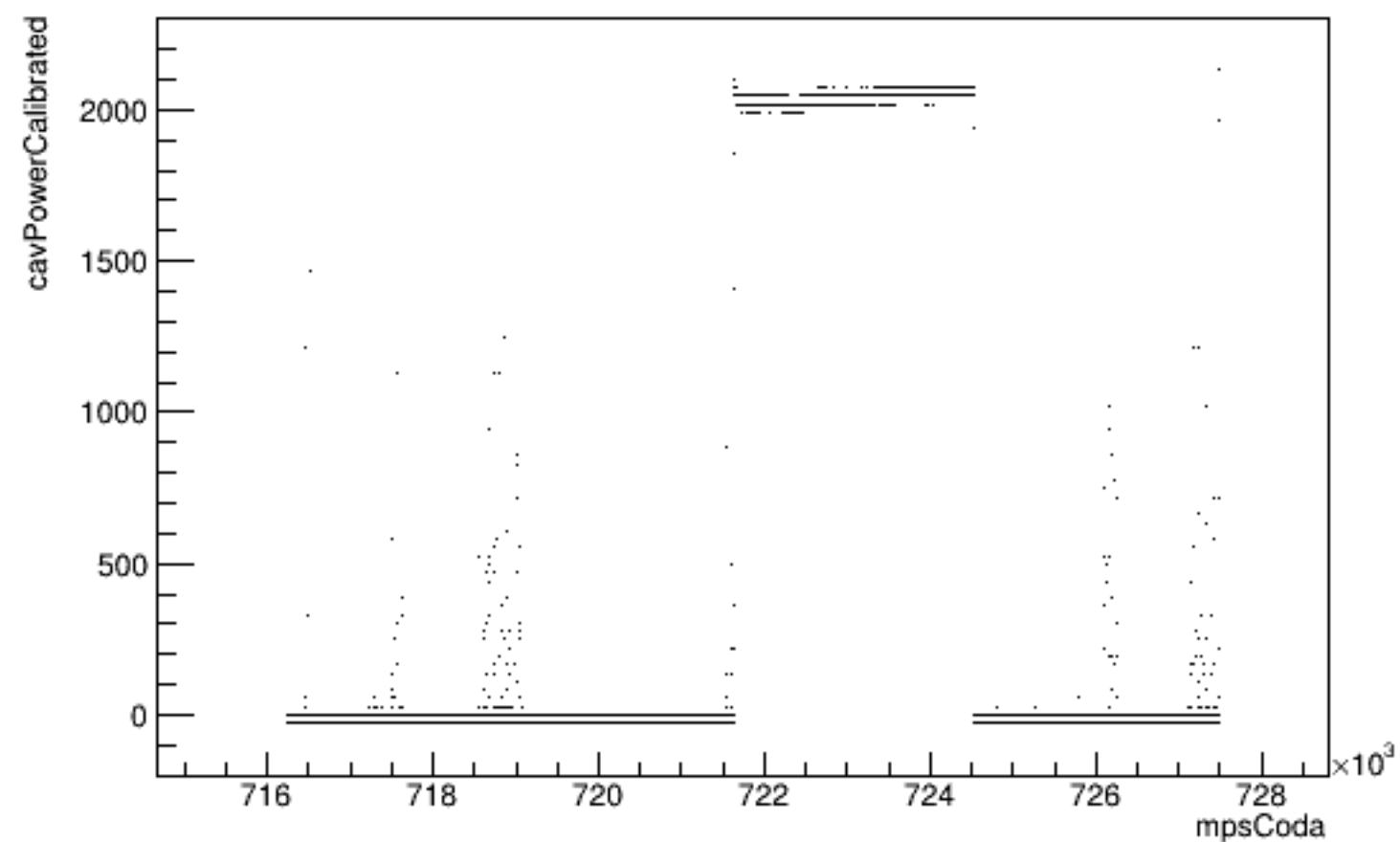
laserState:mpsCoda {mpsCoda>=716232 && mpsCoda<=727495}



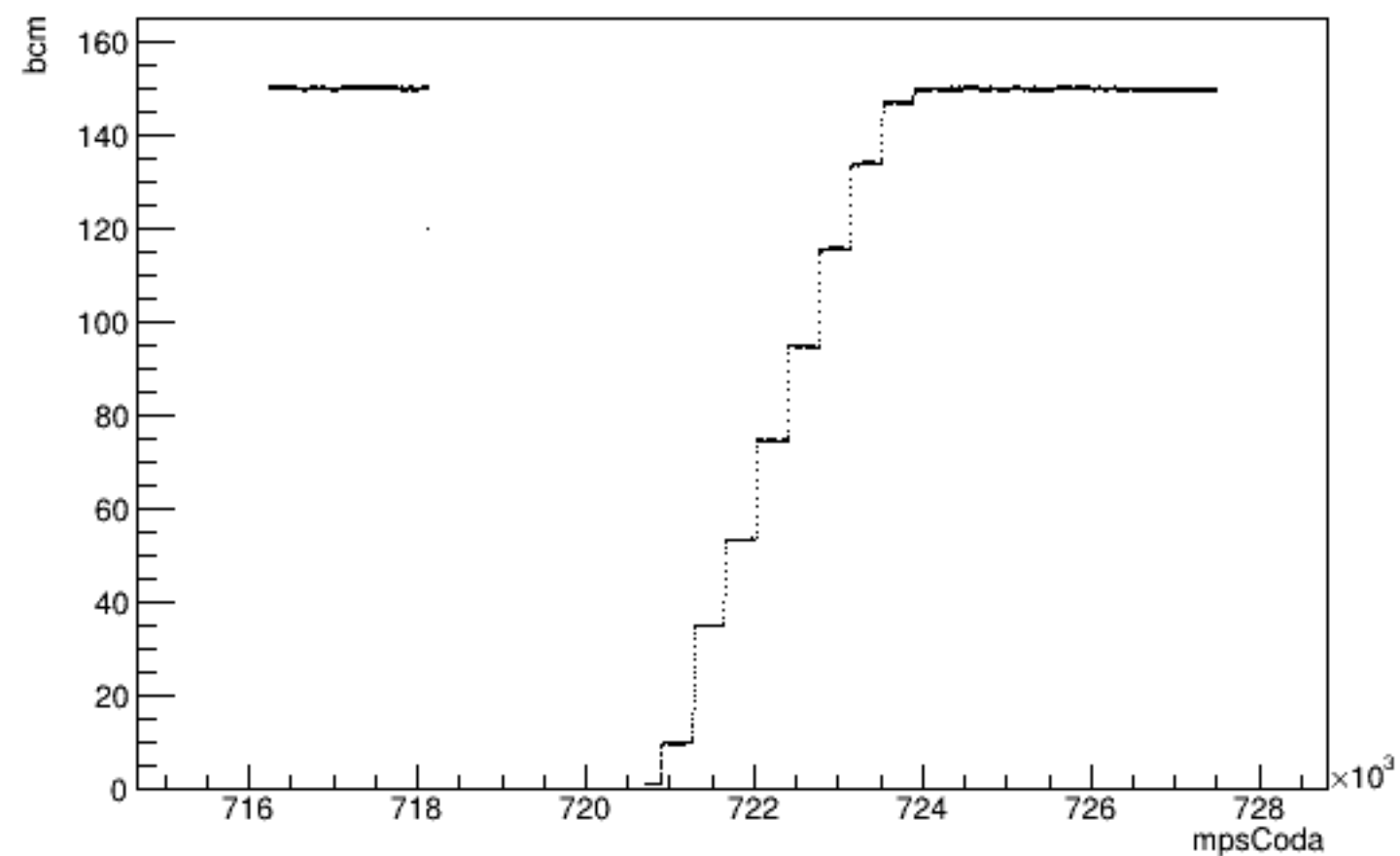
beamState + 1:mpsCoda {mpsCoda>=716232 && mpsCoda<=727495}



cavPowerCalibrated:mpsCoda {mpsCoda>=716232 && mpsCoda<=727495}



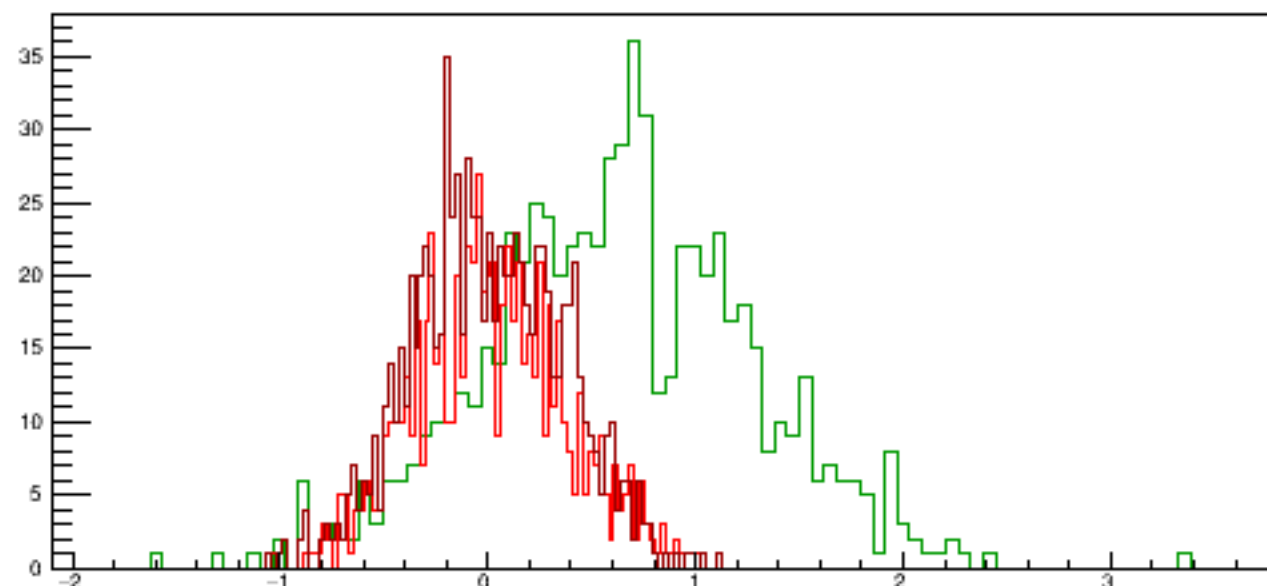
bcm:mpsCoda {mpsCoda>=716232 && mpsCoda<=727495}



Cycle 45, Diffs

Entries: 709	Entries: 685	Entries: 873
Mean: 0.0152 +/- 0.0135	Mean: 0.6230 +/- 0.0248	Mean: -0.0006 +/- 0.0122
Std Dev: 0.3598 +/- 0.0096	Std Dev: 0.6504 +/- 0.0176	Std Dev: 0.3616 +/- 0.0087

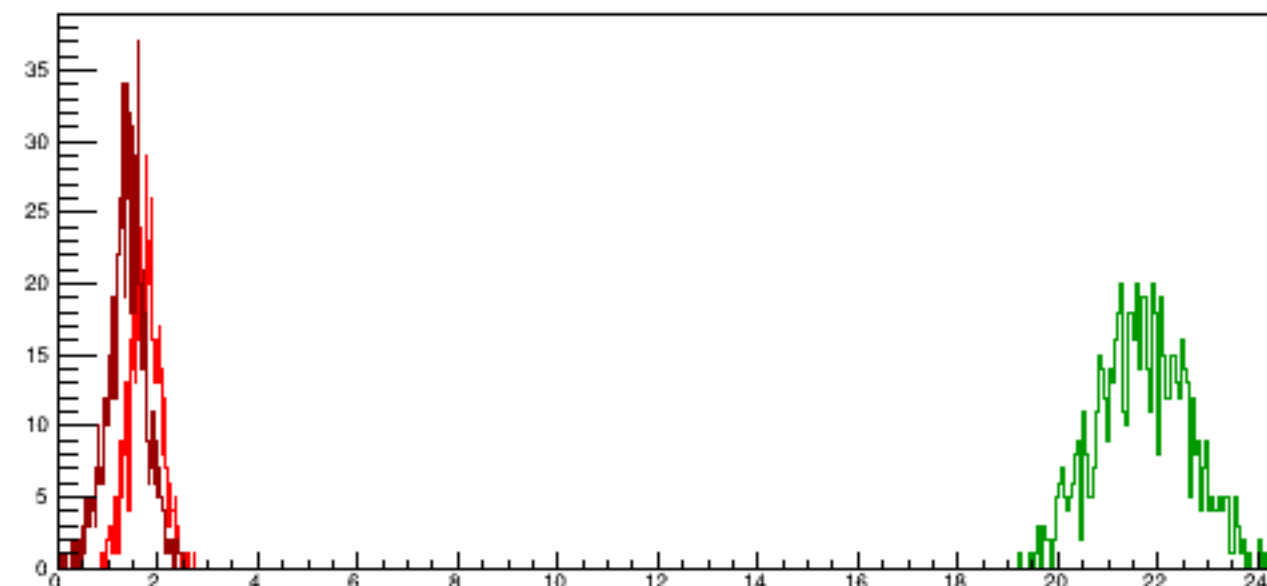
Run 5204 quartetwise, Diffs



Cycle 45, Sums

Entries: 709	Entries: 685	Entries: 873
Mean: 1.7428 +/- 0.0114	Mean: 21.6867 +/- 0.0345	Mean: 1.3901 +/- 0.0126
Std Dev: 0.3041 +/- 0.0081	Std Dev: 0.9018 +/- 0.0244	Std Dev: 0.3719 +/- 0.0089

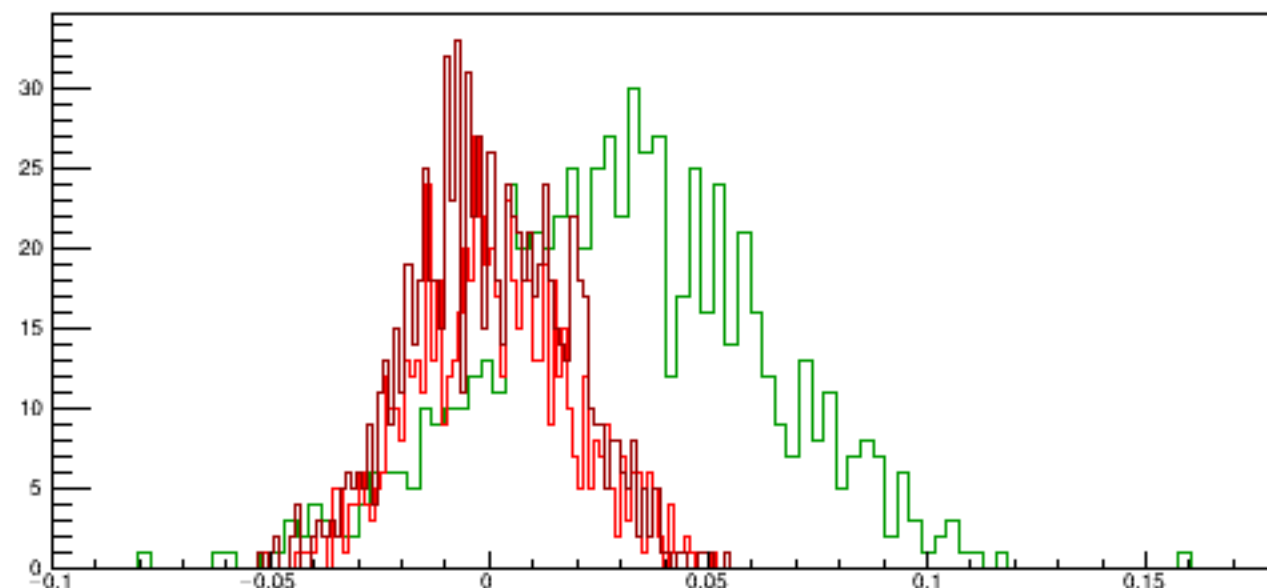
Run 5204 quartetwise, Sums



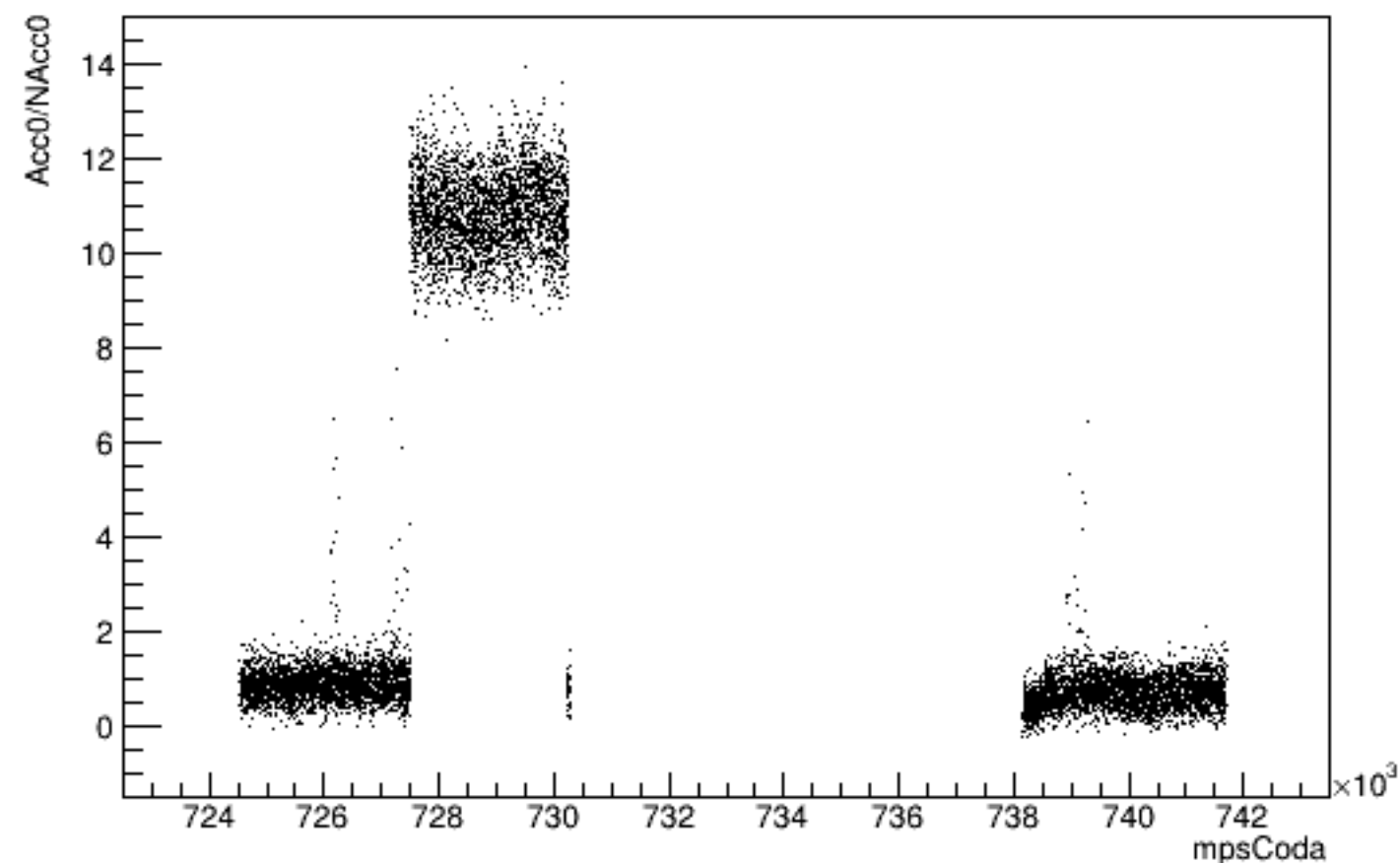
Cycle 45, Asyms

Entries: 709	Entries: 685	Entries: 873
Mean: 0.0008 +/- 0.0007	Mean: 0.0310 +/- 0.0012	Mean: -0.0000 +/- 0.0006
Std Dev: 0.0179 +/- 0.0005	Std Dev: 0.0323 +/- 0.0009	Std Dev: 0.0180 +/- 0.0004

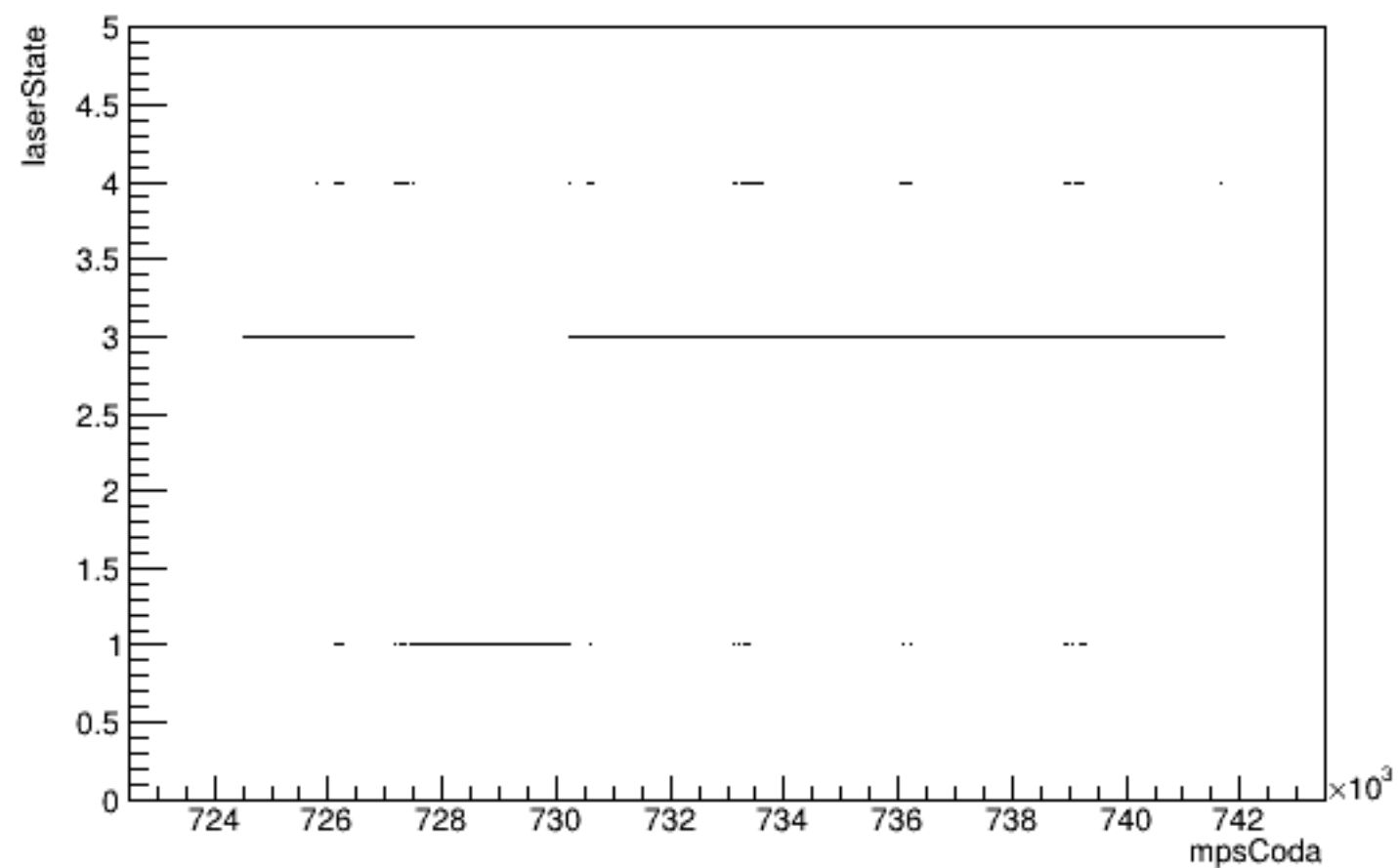
Run 5204 quartetwise, Asyms



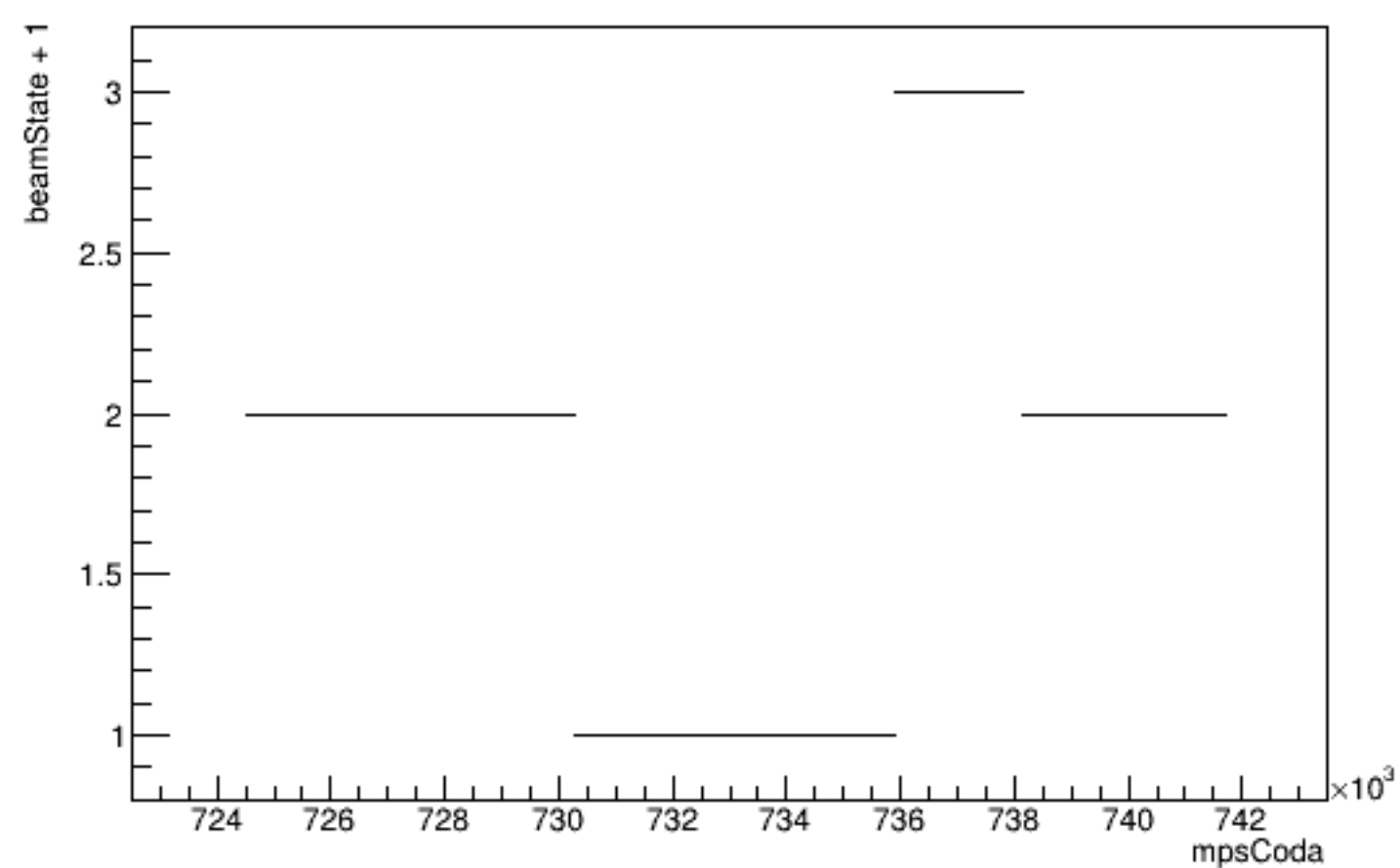
Acc0/NAcc0:mpsCoda (mpsCoda>=724536 && mpsCoda<=741691 && beamState==1)



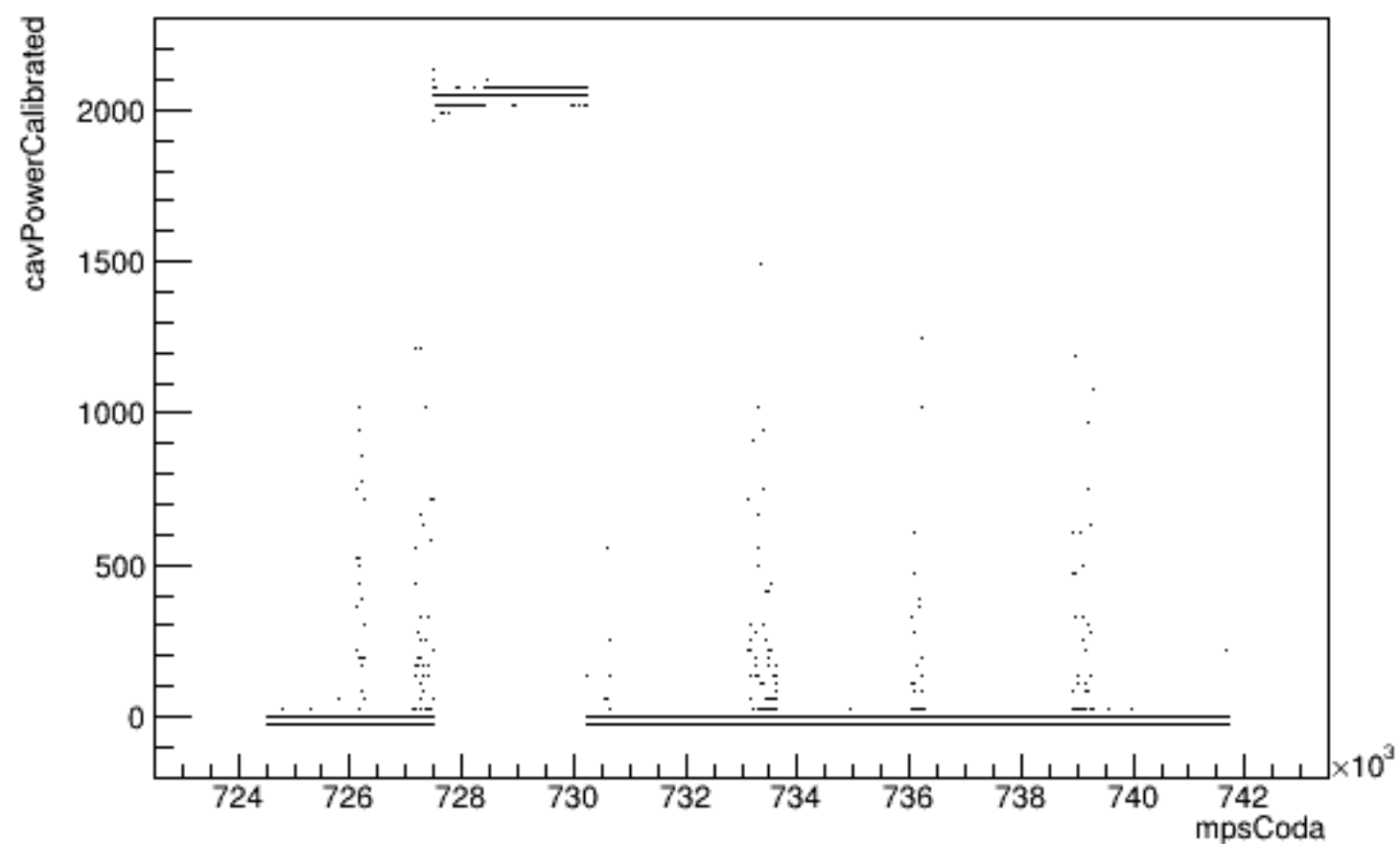
laserState:mpsCoda {mpsCoda>=724536 && mpsCoda<=741691}



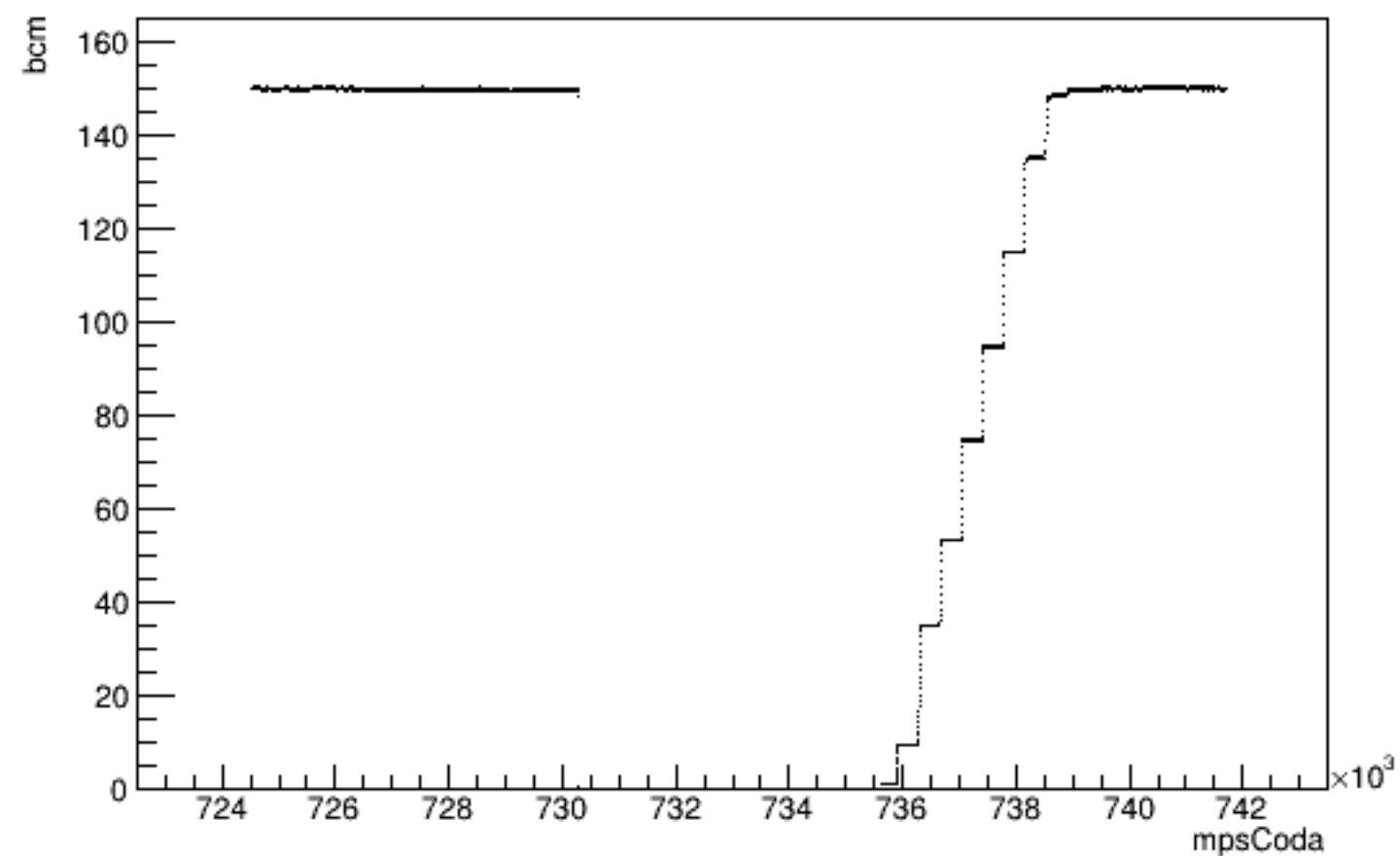
beamState + 1:mpsCoda {mpsCoda>=724536 && mpsCoda<=741691}



cavPowerCalibrated:mpsCoda {mpsCoda>=724536 && mpsCoda<=741691}



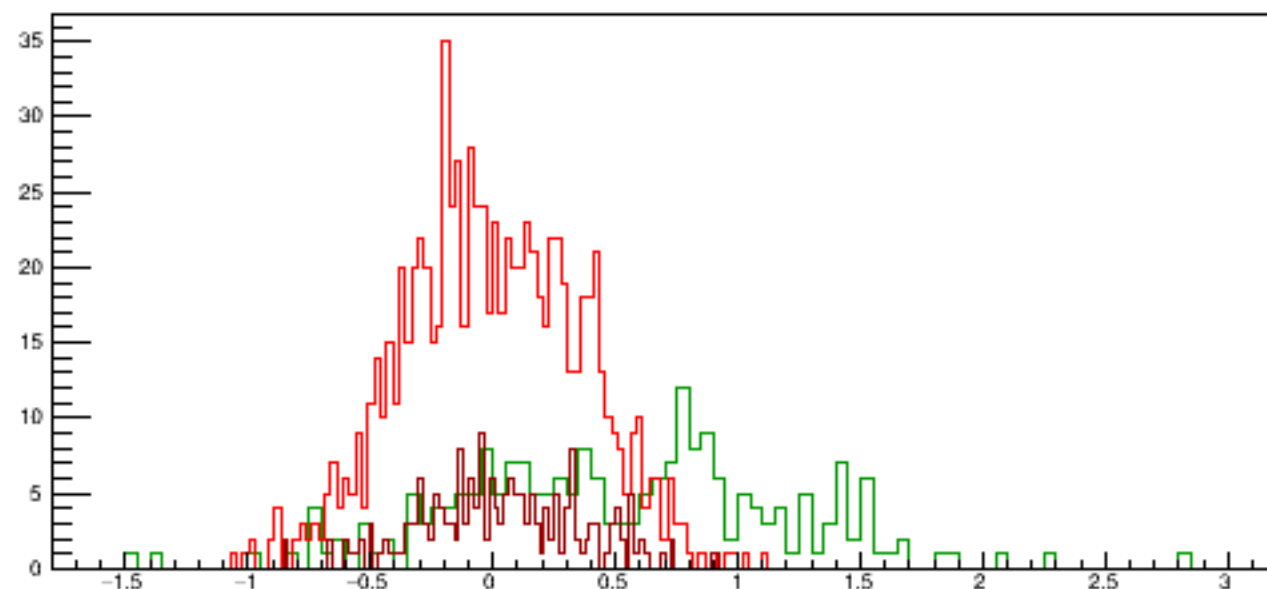
bcm:mpsCoda {mpsCoda>=724536 && mpsCoda<=741691}



Cycle 46, Diffs

Entries: 873	Entries: 219	Entries: 193
Mean: -0.0006 +/- 0.0122	Mean: 0.5154 +/- 0.0452	Mean: 0.0343 +/- 0.0241
Std Dev: 0.3616 +/- 0.0087	Std Dev: 0.6683 +/- 0.0319	Std Dev: 0.3342 +/- 0.0170

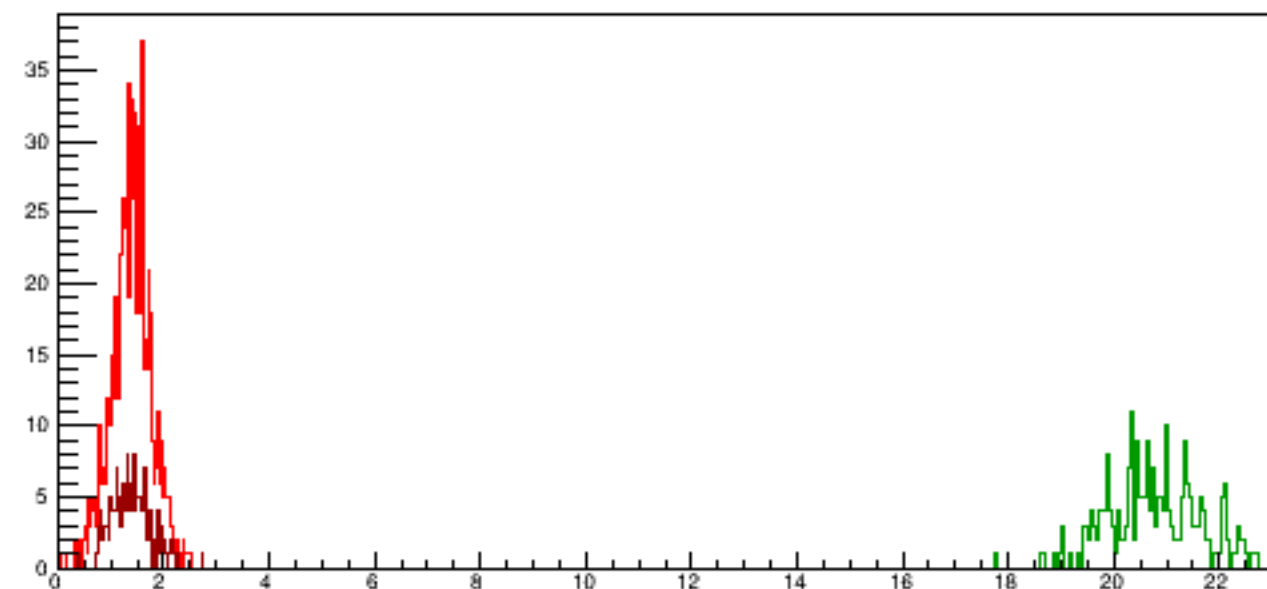
Run 5204 quartetwise, Diffs



Cycle 46, Sums

Entries: 873	Entries: 219	Entries: 193
Mean: 1.3901 +/- 0.0126	Mean: 20.7637 +/- 0.0596	Mean: 1.3851 +/- 0.0267
Std Dev: 0.3719 +/- 0.0089	Std Dev: 0.8822 +/- 0.0422	Std Dev: 0.3704 +/- 0.0189

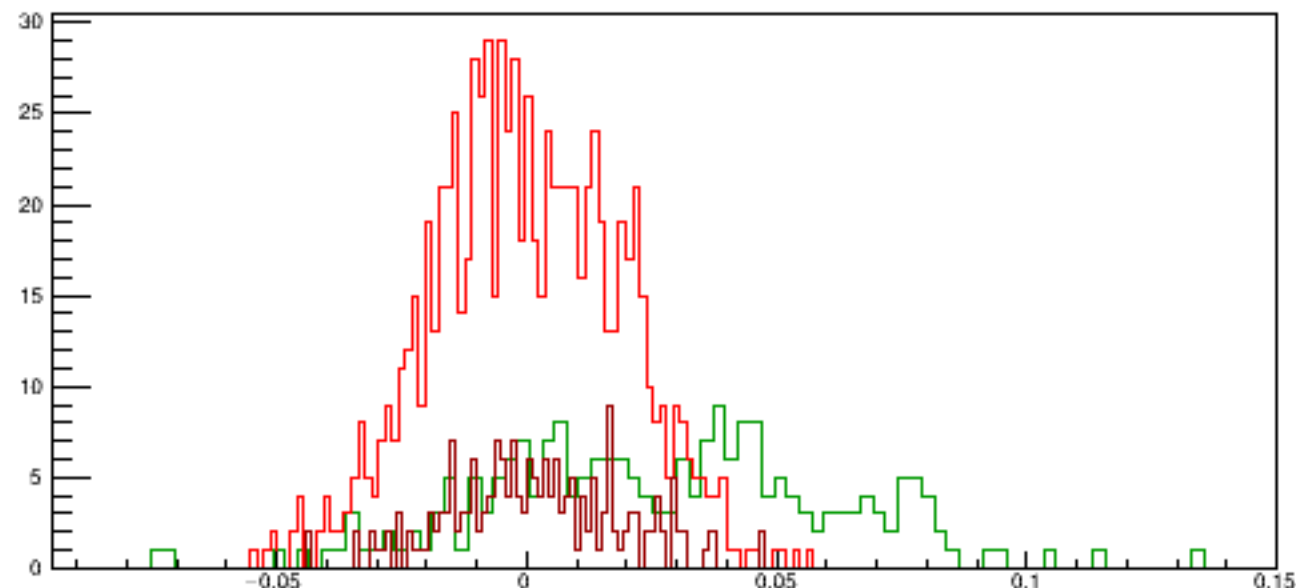
Run 5204 quartetwise, Sums



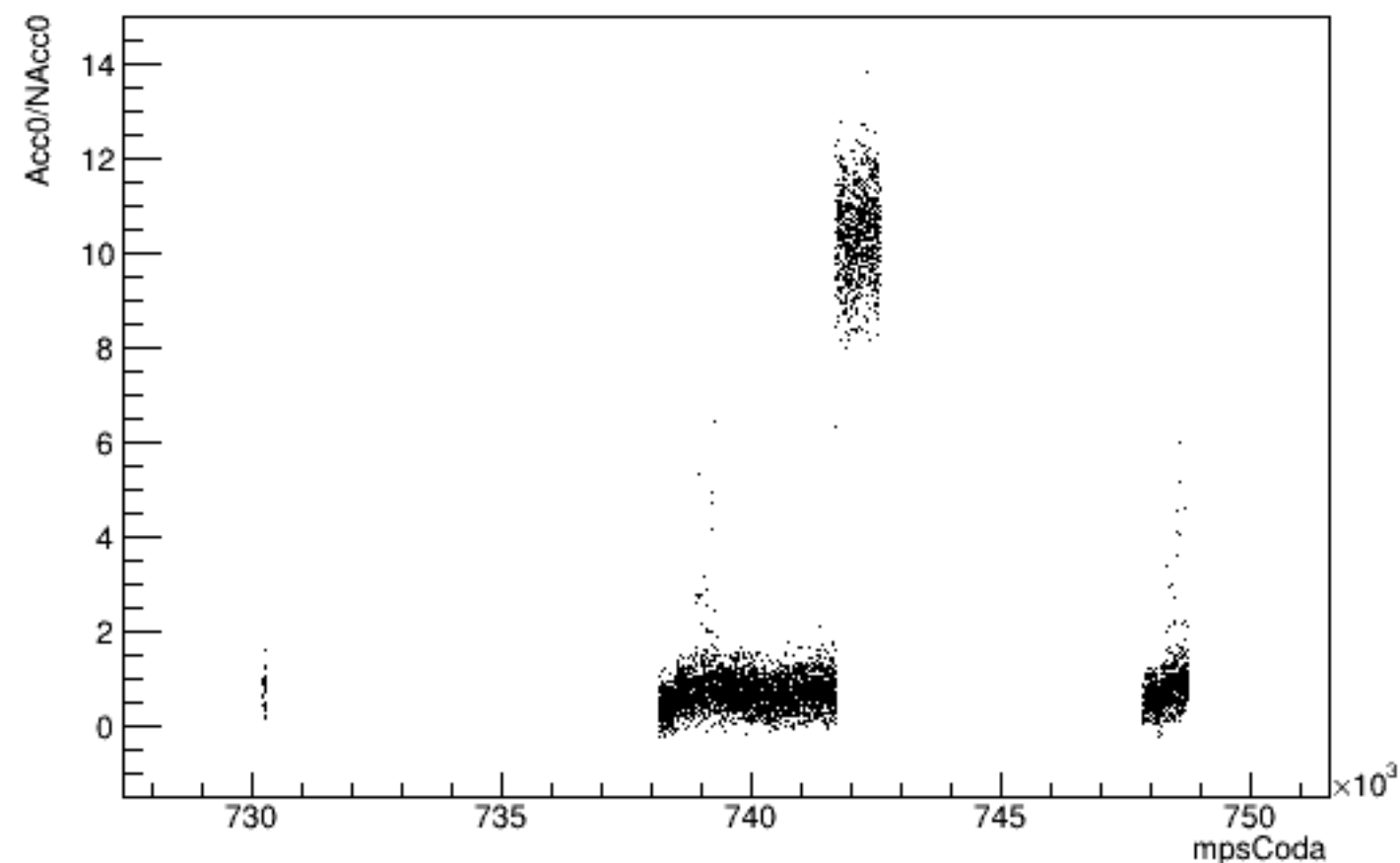
Cycle 46, Asyms

Entries: 873	Entries: 219	Entries: 193
Mean: -0.0000 +/- 0.0006	Mean: 0.0267 +/- 0.0023	Mean: 0.0018 +/- 0.0012
Std Dev: 0.0187 +/- 0.0004	Std Dev: 0.0344 +/- 0.0016	Std Dev: 0.0172 +/- 0.0009

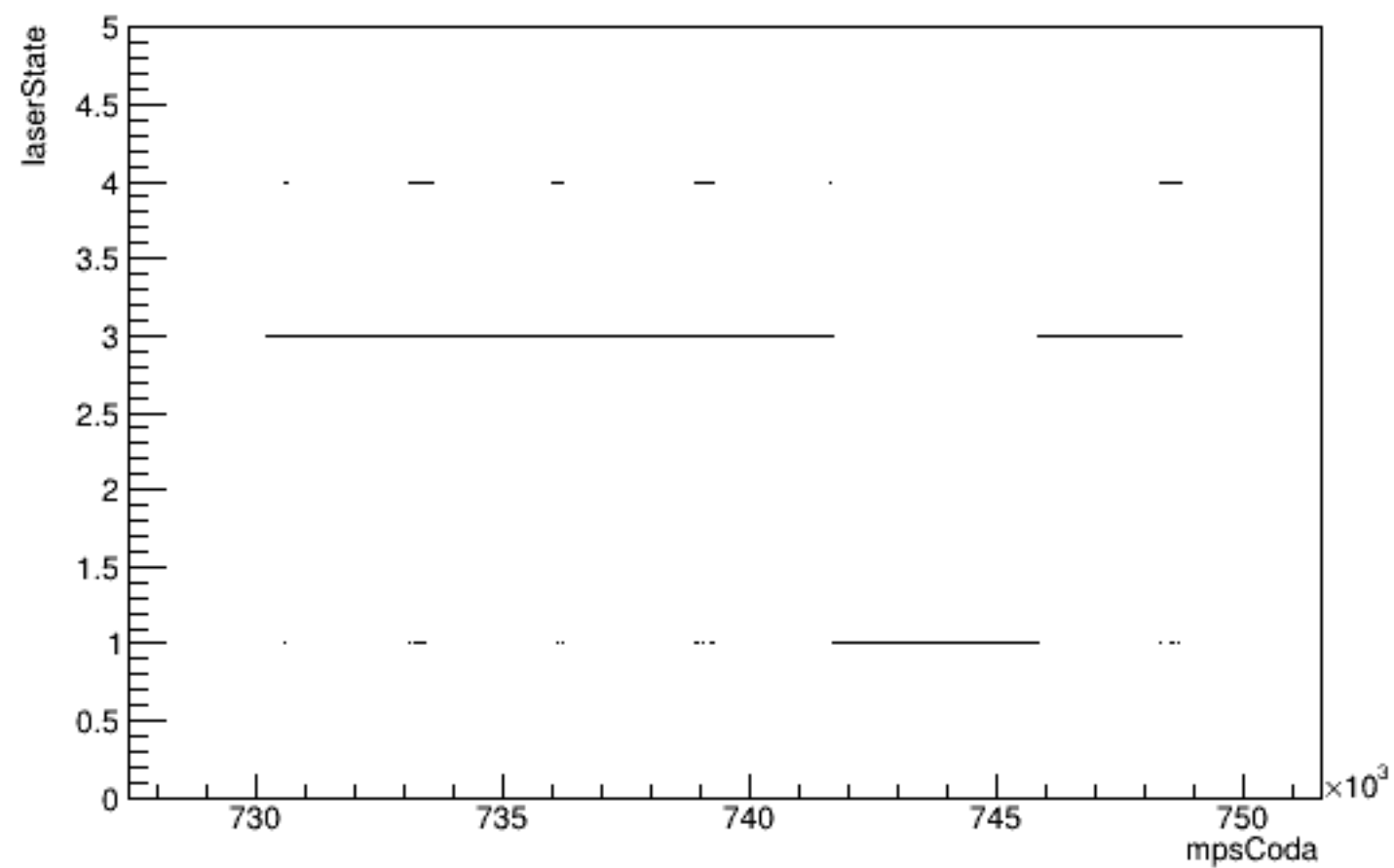
Run 5204 quartetwise, Asyms



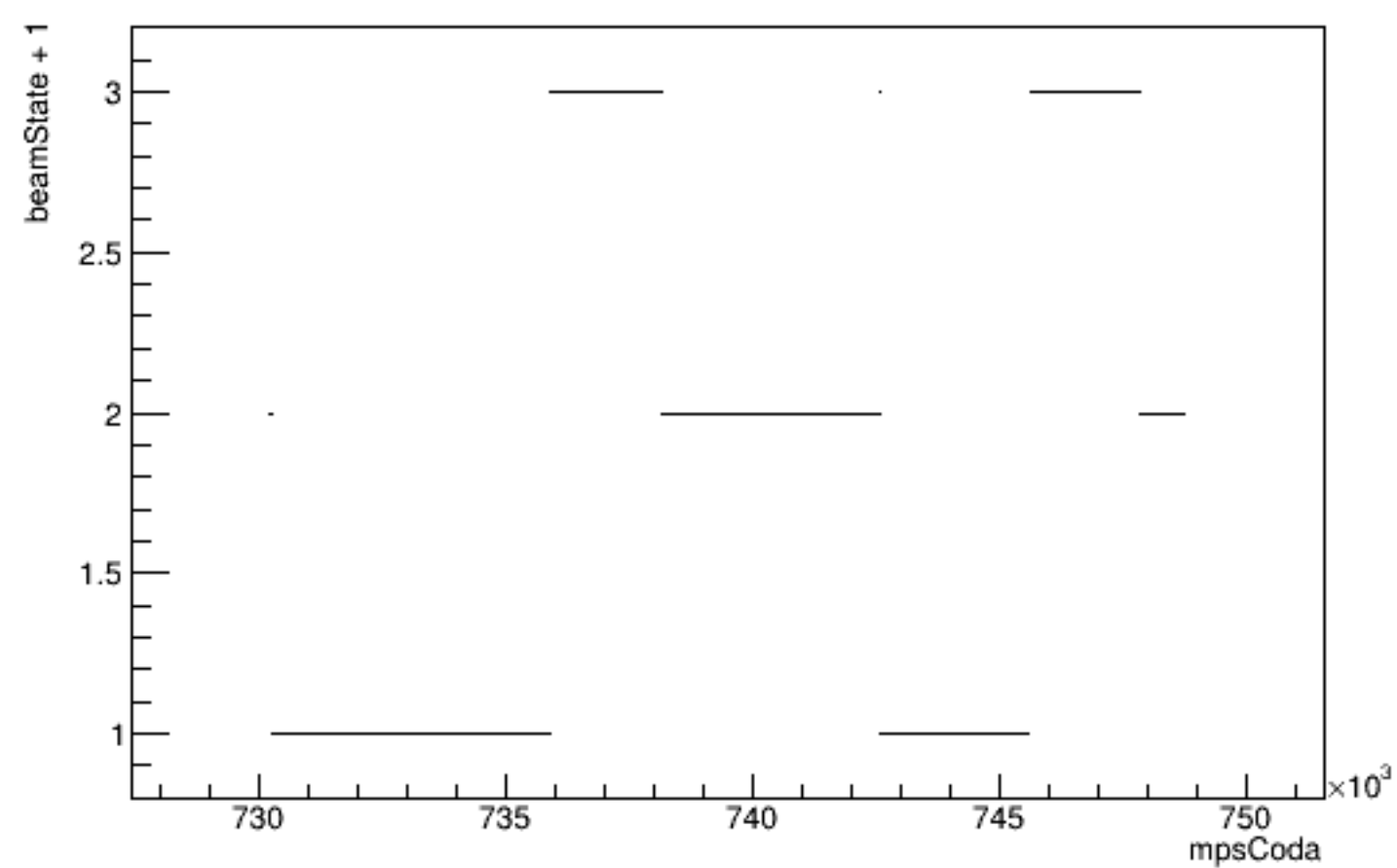
Acc0/NAcc0:mpsCoda (mpsCoda>=730240 && mpsCoda<=748735 && beamState==1)



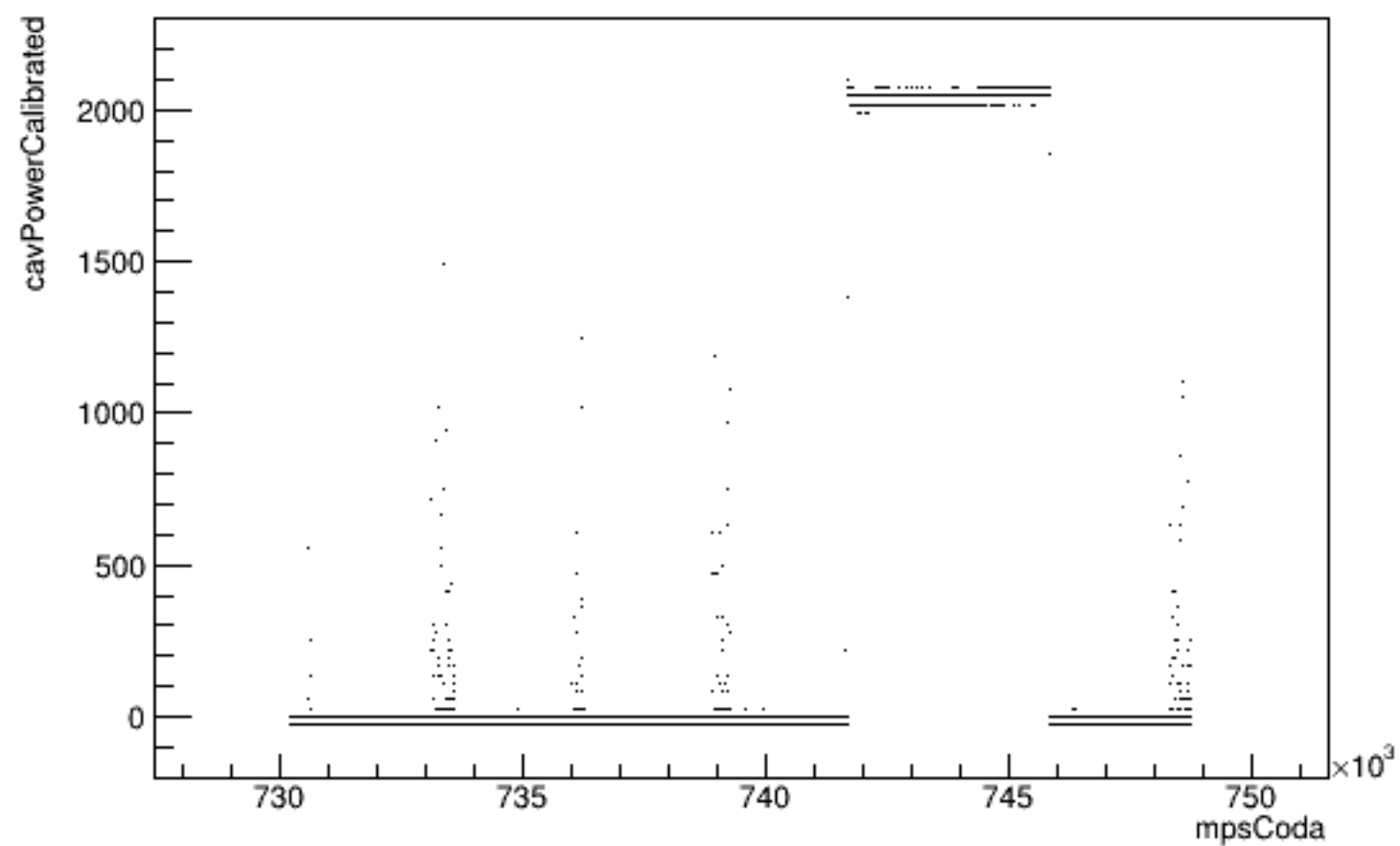
laserState:mpsCoda {mpsCoda>=730240 && mpsCoda<=748735}



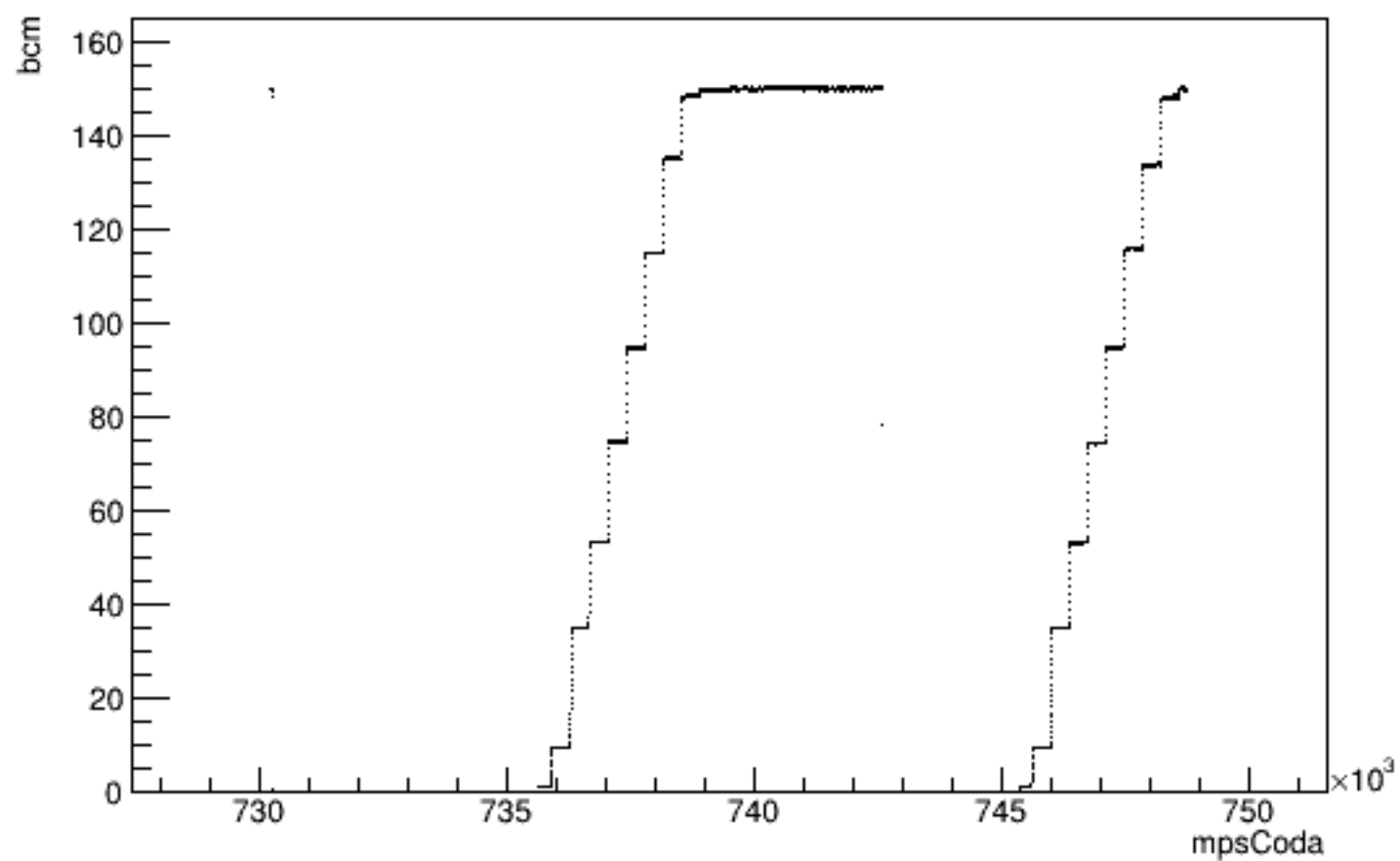
beamState + 1:mpsCoda {mpsCoda>=730240 && mpsCoda<=748735}



cavPowerCalibrated:mpsCoda {mpsCoda>=730240 && mpsCoda<=748735}



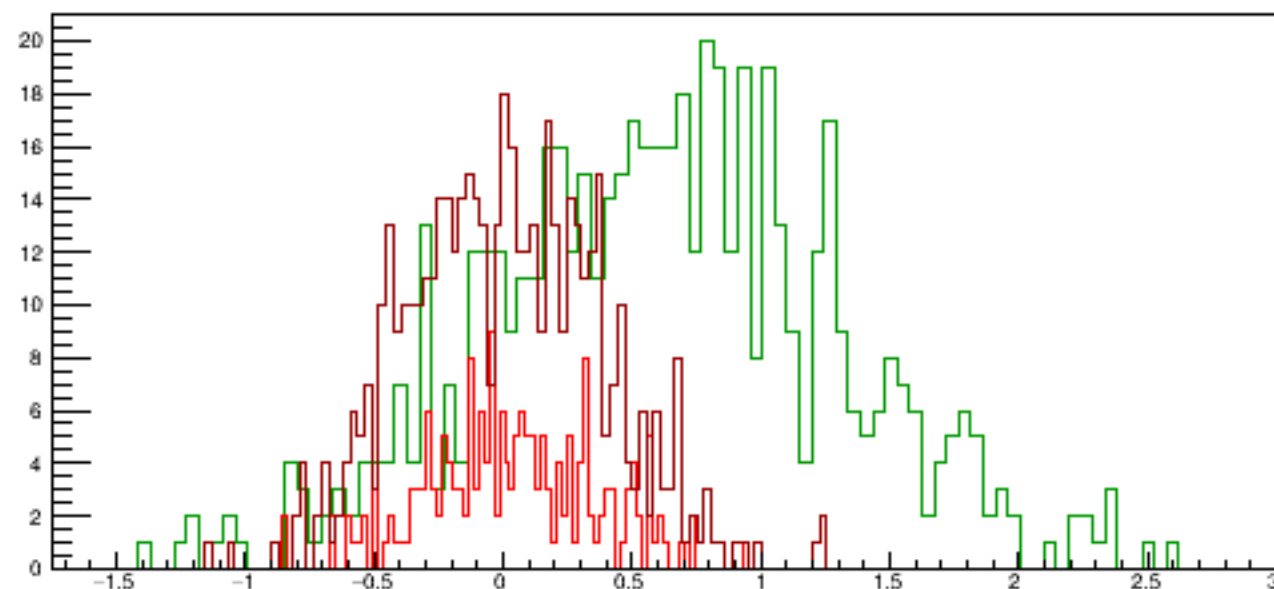
bcm:mpsCoda {mpsCoda>=730240 && mpsCoda<=748735}



Cycle 47, Diffs

Entries: 193	Entries: 573	Entries: 499
Mean: 0.0343 +/- 0.0241	Mean: 0.6141 +/- 0.0285	Mean: 0.0048 +/- 0.0169
Std Dev: 0.3342 +/- 0.0170	Std Dev: 0.6818 +/- 0.0201	Std Dev: 0.3780 +/- 0.0120

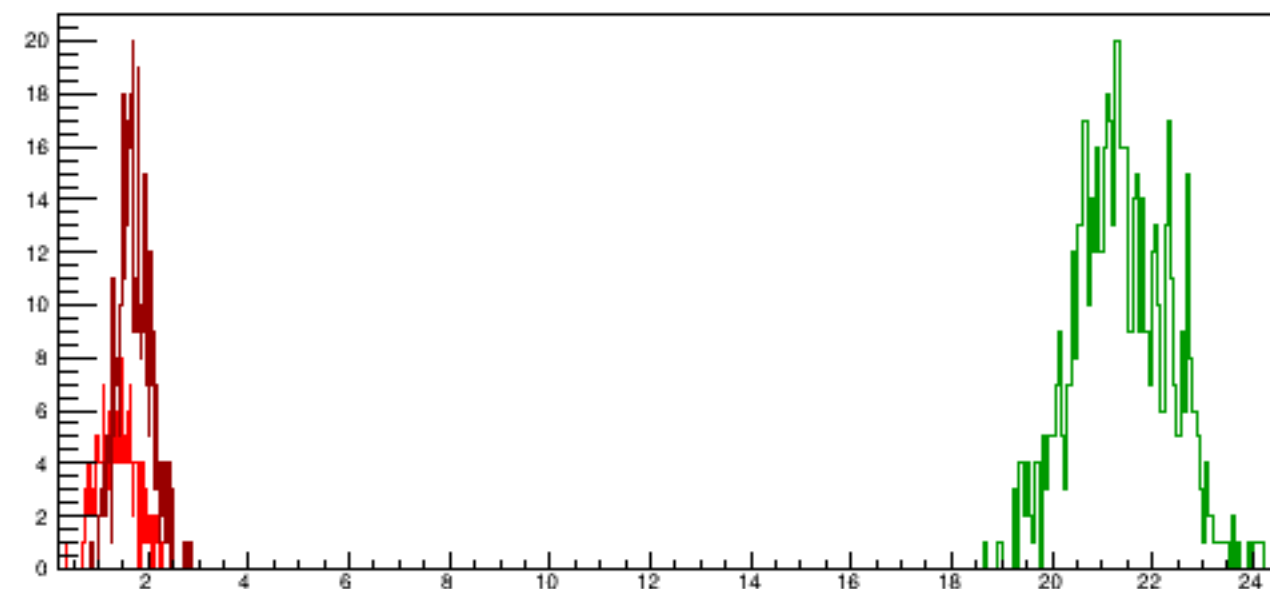
Run 5204 quartetwise, Diffs



Cycle 47, Sums

Entries: 193	Entries: 573	Entries: 499
Mean: 1.3851 +/- 0.0267	Mean: 21.4013 +/- 0.0391	Mean: 1.7195 +/- 0.0144
Std Dev: 0.3704 +/- 0.0189	Std Dev: 0.9354 +/- 0.0276	Std Dev: 0.3227 +/- 0.0102

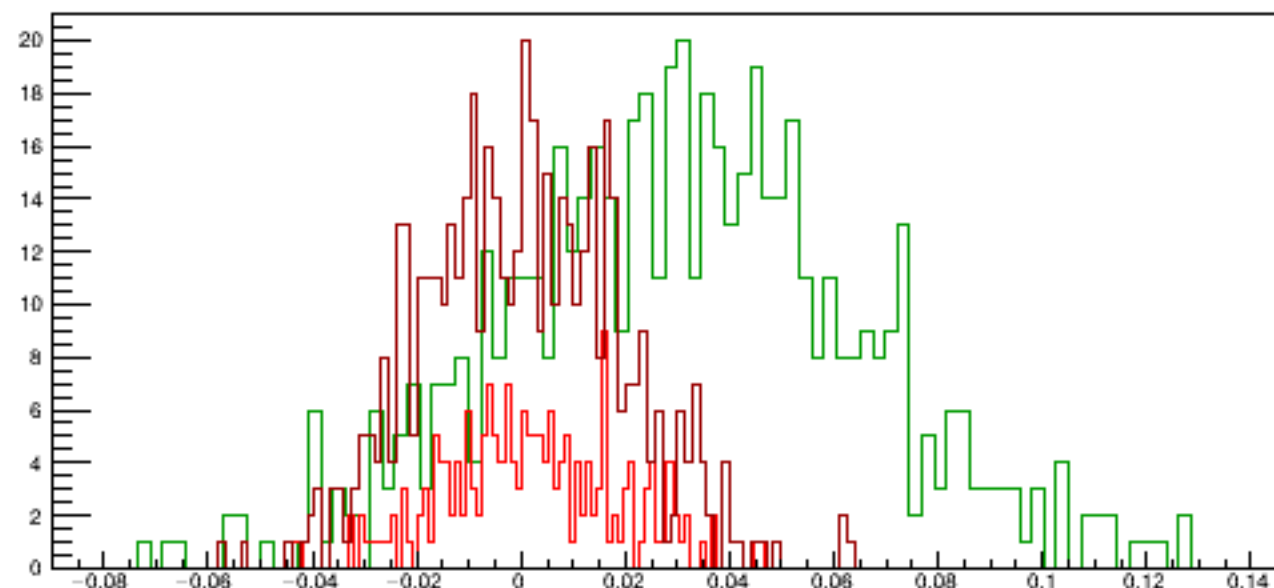
Run 5204 quartetwise, Sums



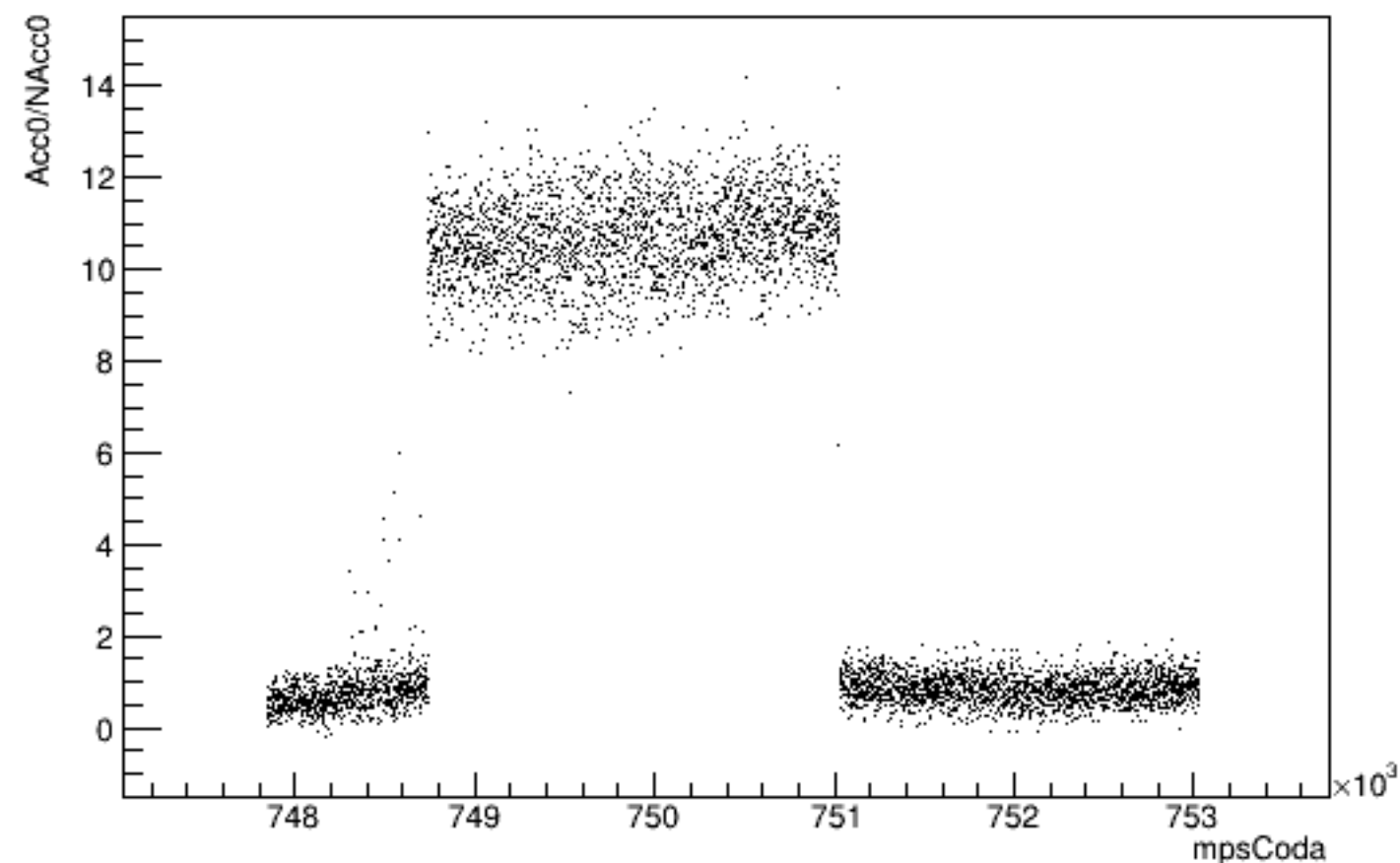
Cycle 47, Asyms

Entries: 193	Entries: 573	Entries: 499
Mean: 0.0017 +/- 0.0012	Mean: 0.0309 +/- 0.0014	Mean: 0.0002 +/- 0.0009
Std Dev: 0.0168 +/- 0.0009	Std Dev: 0.0345 +/- 0.0010	Std Dev: 0.0190 +/- 0.0006

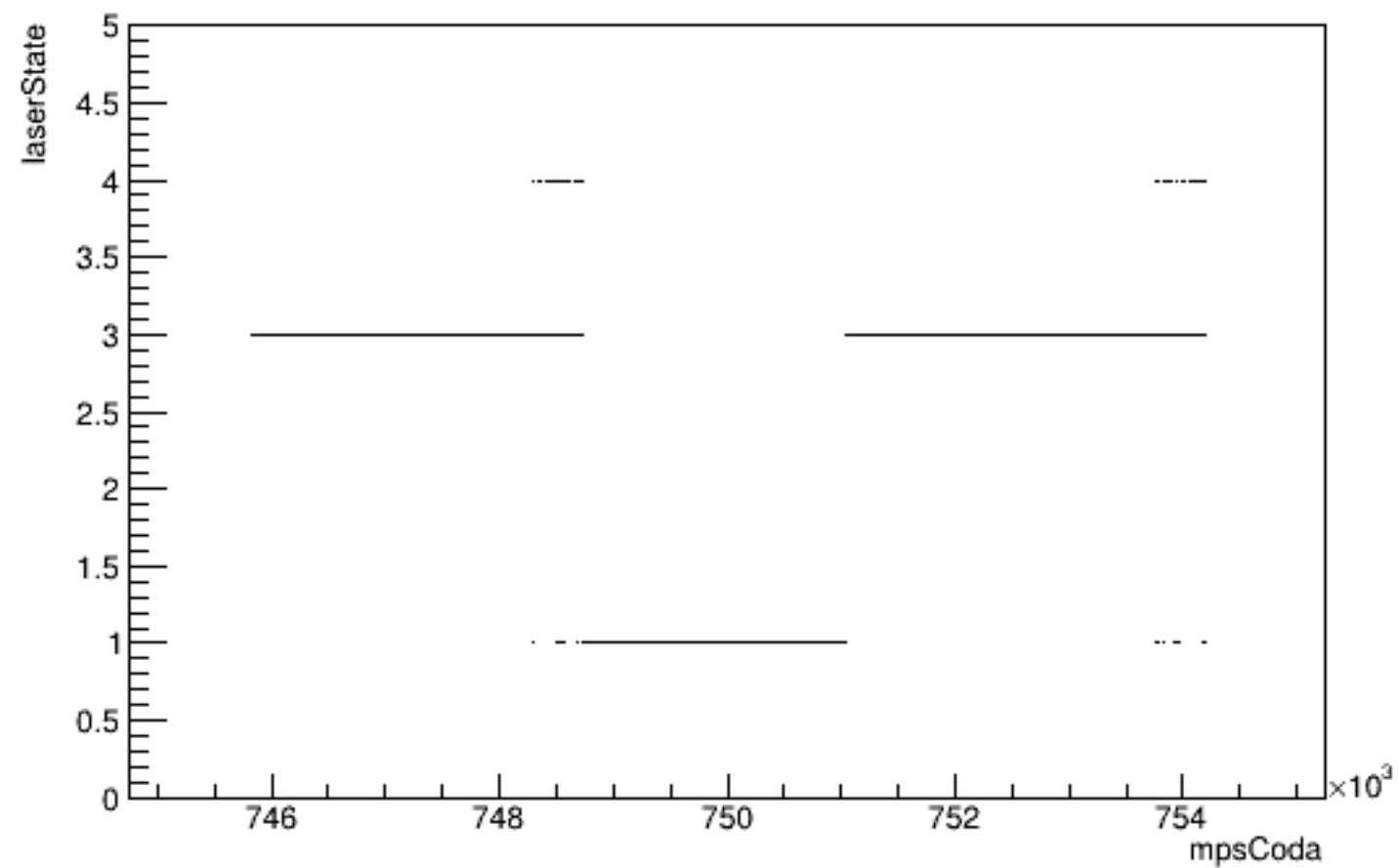
Run 5204 quartetwise, Asyms



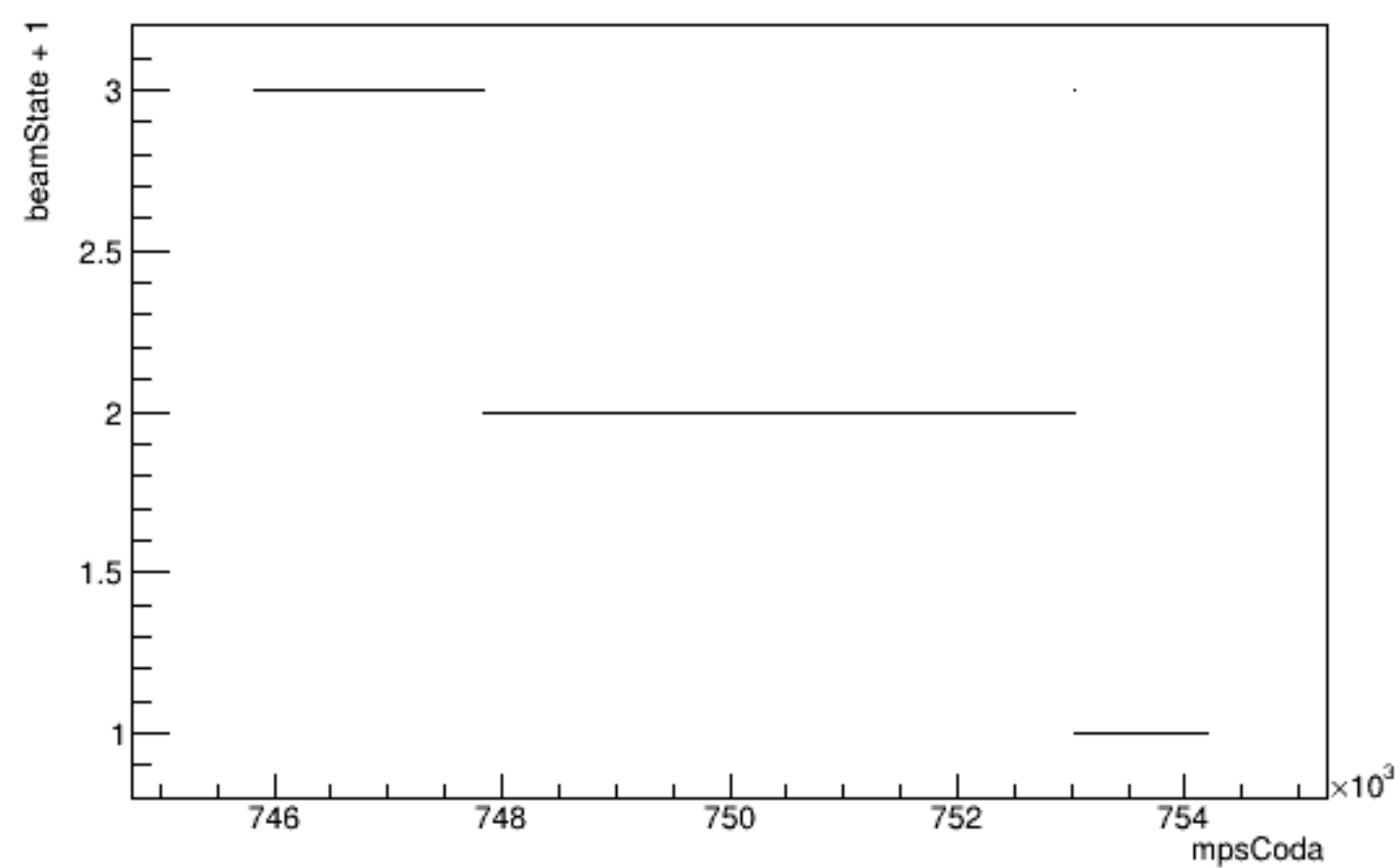
Acc0/NAcc0:mpsCoda (mpsCoda>=745820 && mpsCoda<=754199 && beamState==1)



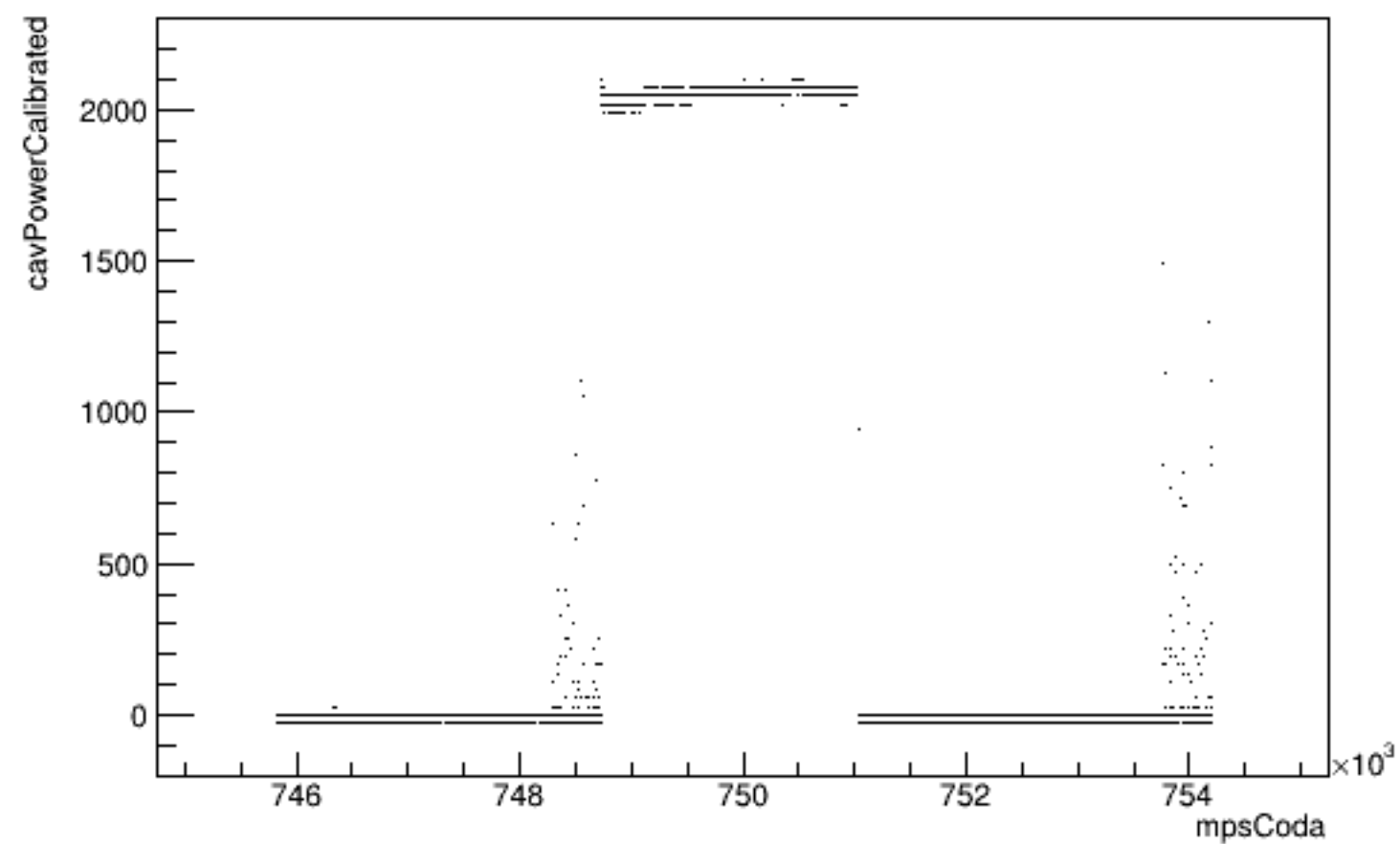
laserState:mpsCoda {mpsCoda>=745820 && mpsCoda<=754199}



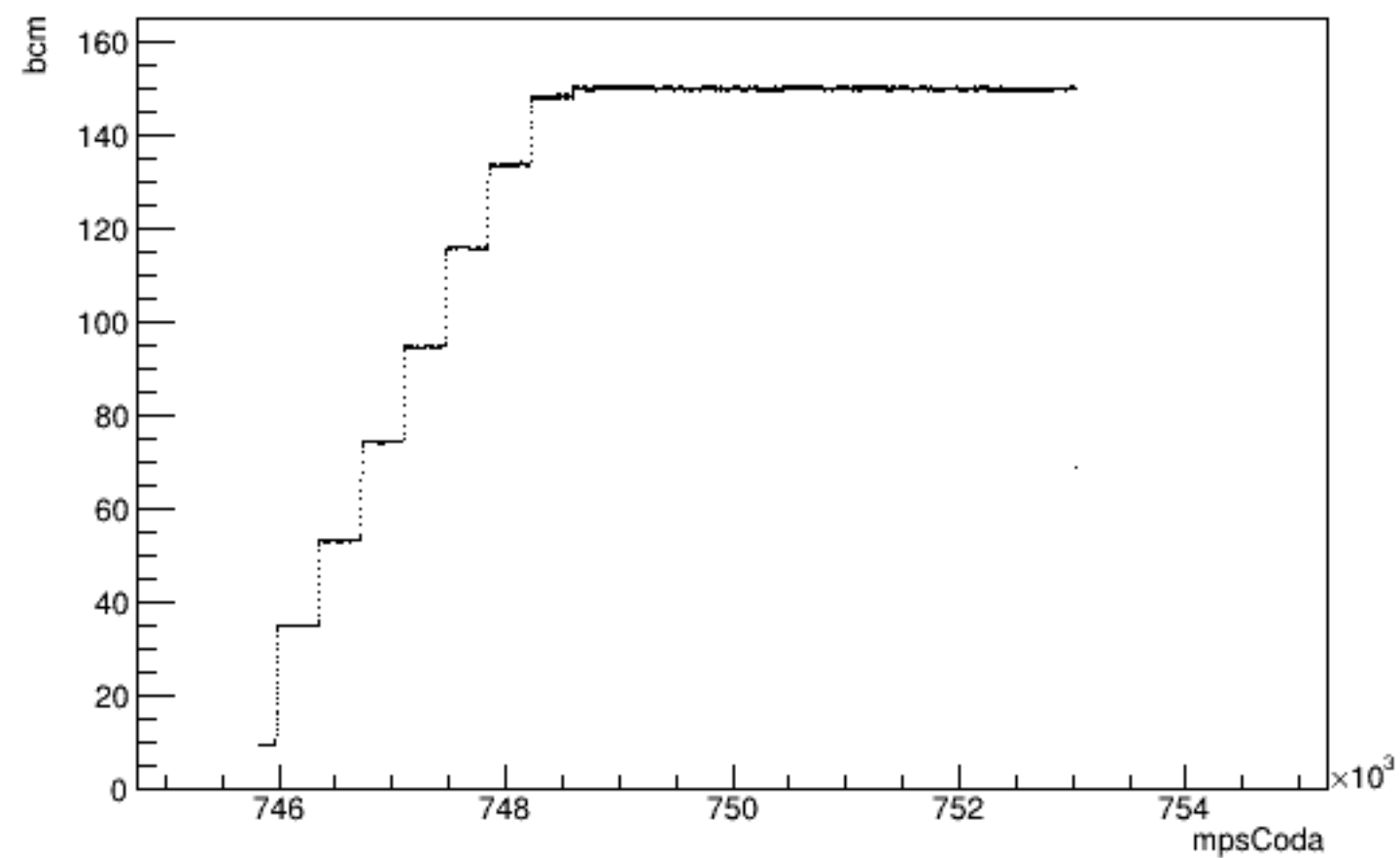
beamState + 1:mpsCoda {mpsCoda>=745820 && mpsCoda<=754199}



cavPowerCalibrated:mpsCoda {mpsCoda>=745820 && mpsCoda<=754199}



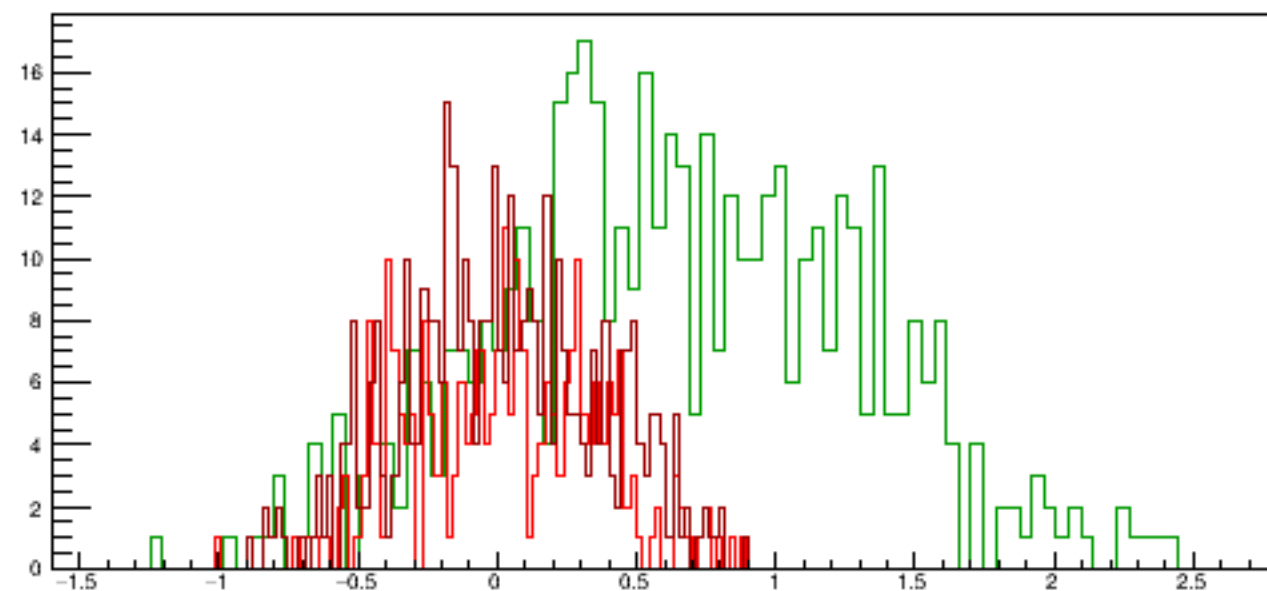
bcm:mpsCoda {mpsCoda>=745820 && mpsCoda<=754199}



Cycle 48, Diffs

Entries: 258	Entries: 477	Entries: 394
Mean: 0.0246 +/- 0.0212	Mean: 0.6473 +/- 0.0299	Mean: 0.0152 +/- 0.0179
Std Dev: 0.3407 +/- 0.0150	Std Dev: 0.6534 +/- 0.0212	Std Dev: 0.3556 +/- 0.0127

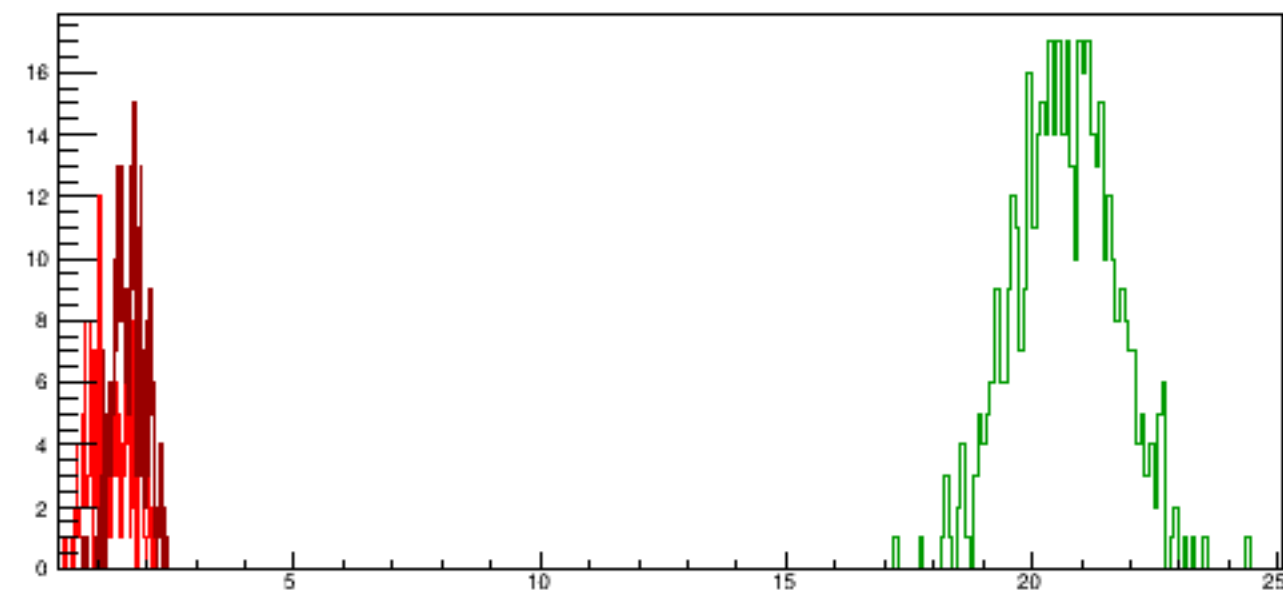
Run 5204 quartetwise, Diffs



Cycle 48, Sums

Entries: 258	Entries: 477	Entries: 394
Mean: 1.2807 +/- 0.0273	Mean: 20.6800 +/- 0.0469	Mean: 1.6573 +/- 0.0159
Std Dev: 0.4386 +/- 0.0193	Std Dev: 1.0253 +/- 0.0332	Std Dev: 0.3146 +/- 0.0112

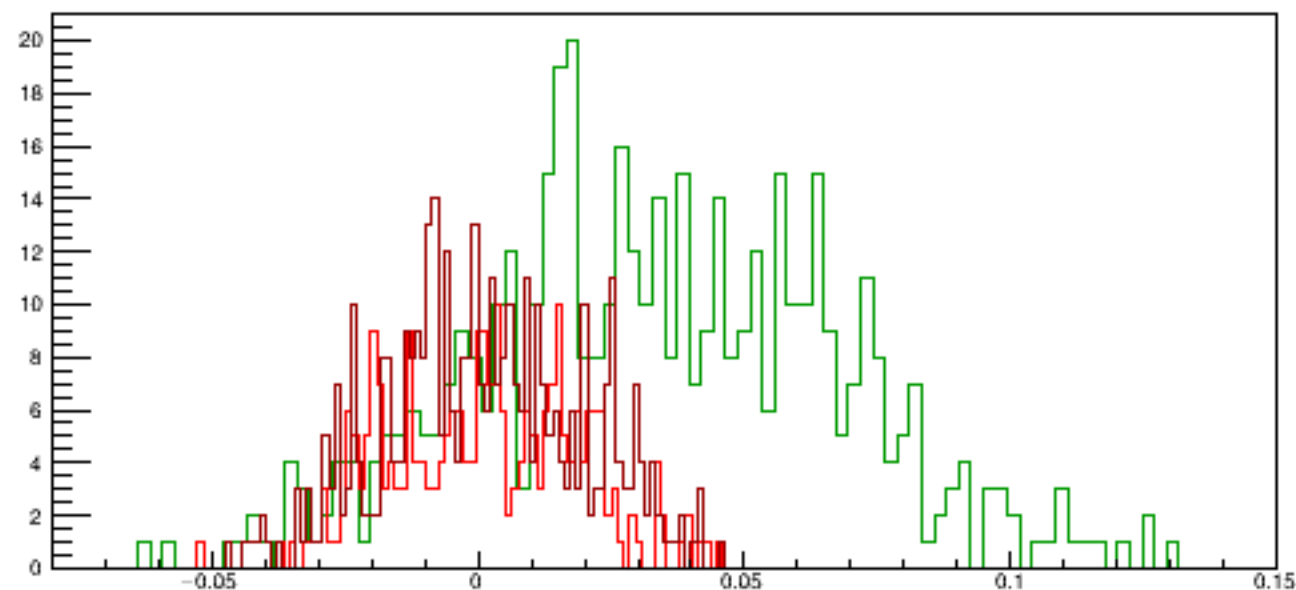
Run 5204 quartetwise, Sums



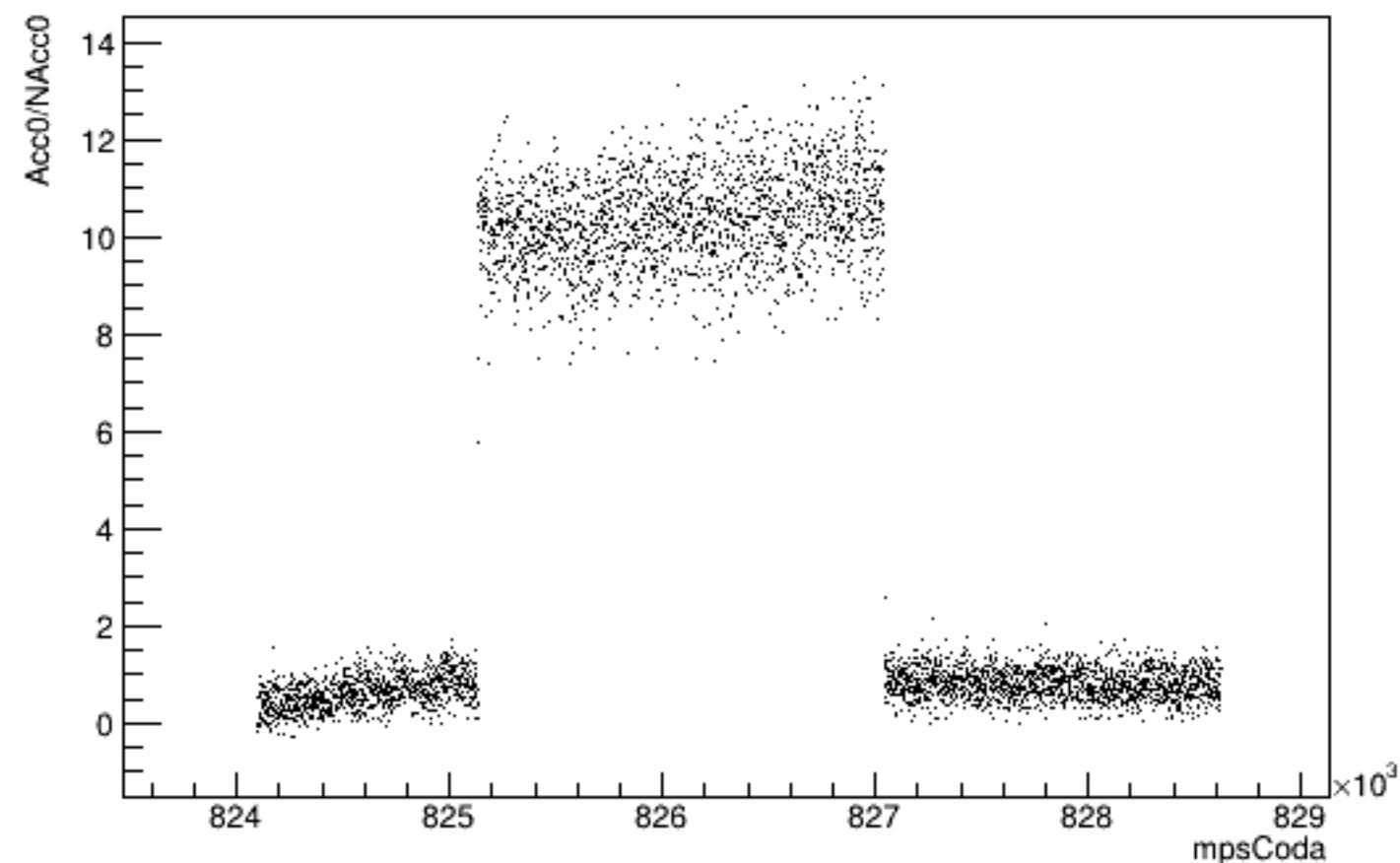
Cycle 48, Asyms

Entries: 258	Entries: 477	Entries: 394
Mean: 0.0013 +/- 0.0011	Mean: 0.0337 +/- 0.0016	Mean: 0.0008 +/- 0.0009
Std Dev: 0.0177 +/- 0.0008	Std Dev: 0.0342 +/- 0.0011	Std Dev: 0.0185 +/- 0.0007

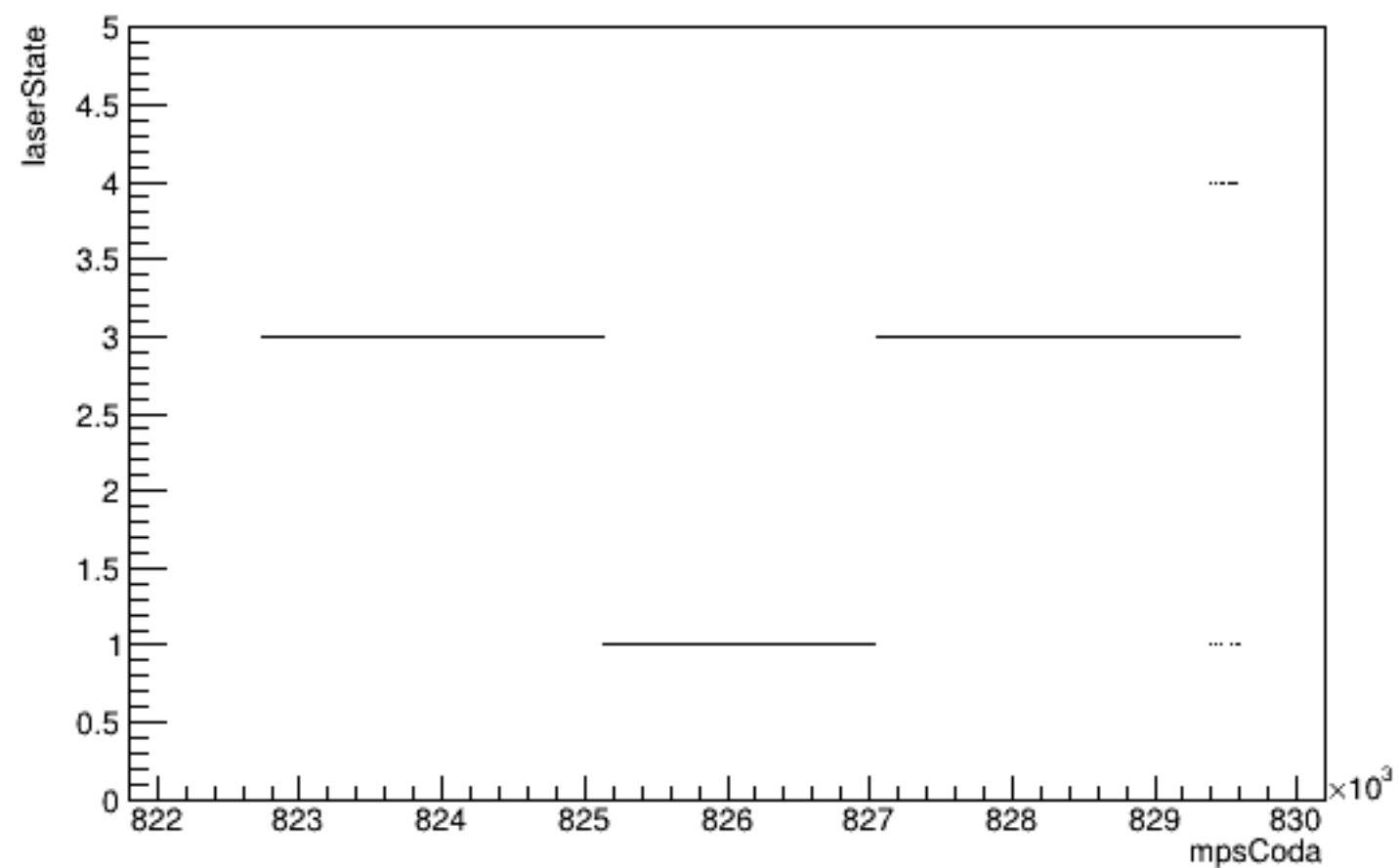
Run 5204 quartetwise, Asyms



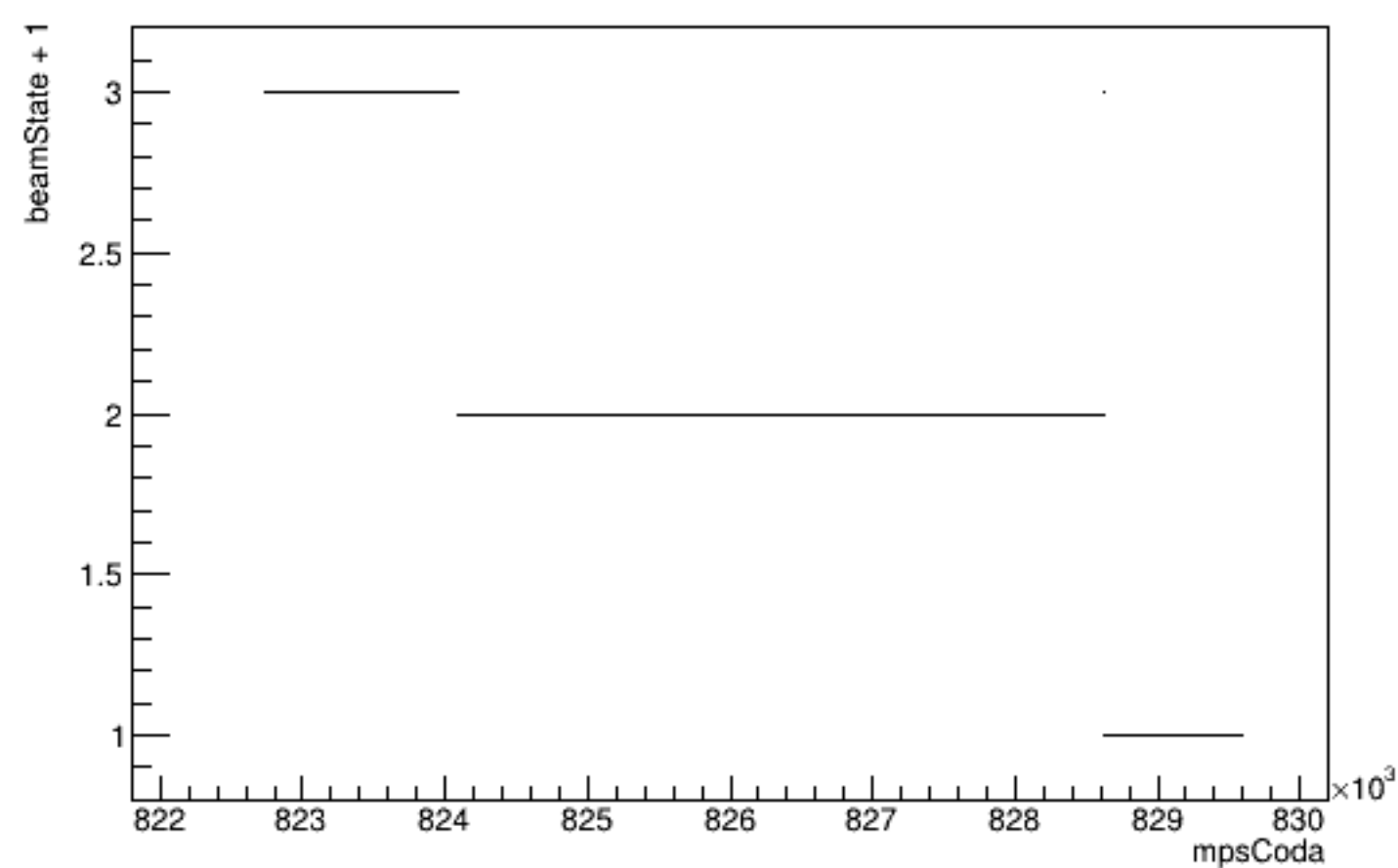
Acc0/NAcc0:mpsCoda (mpsCoda>=822728 && mpsCoda<=829595 && beamState==1)



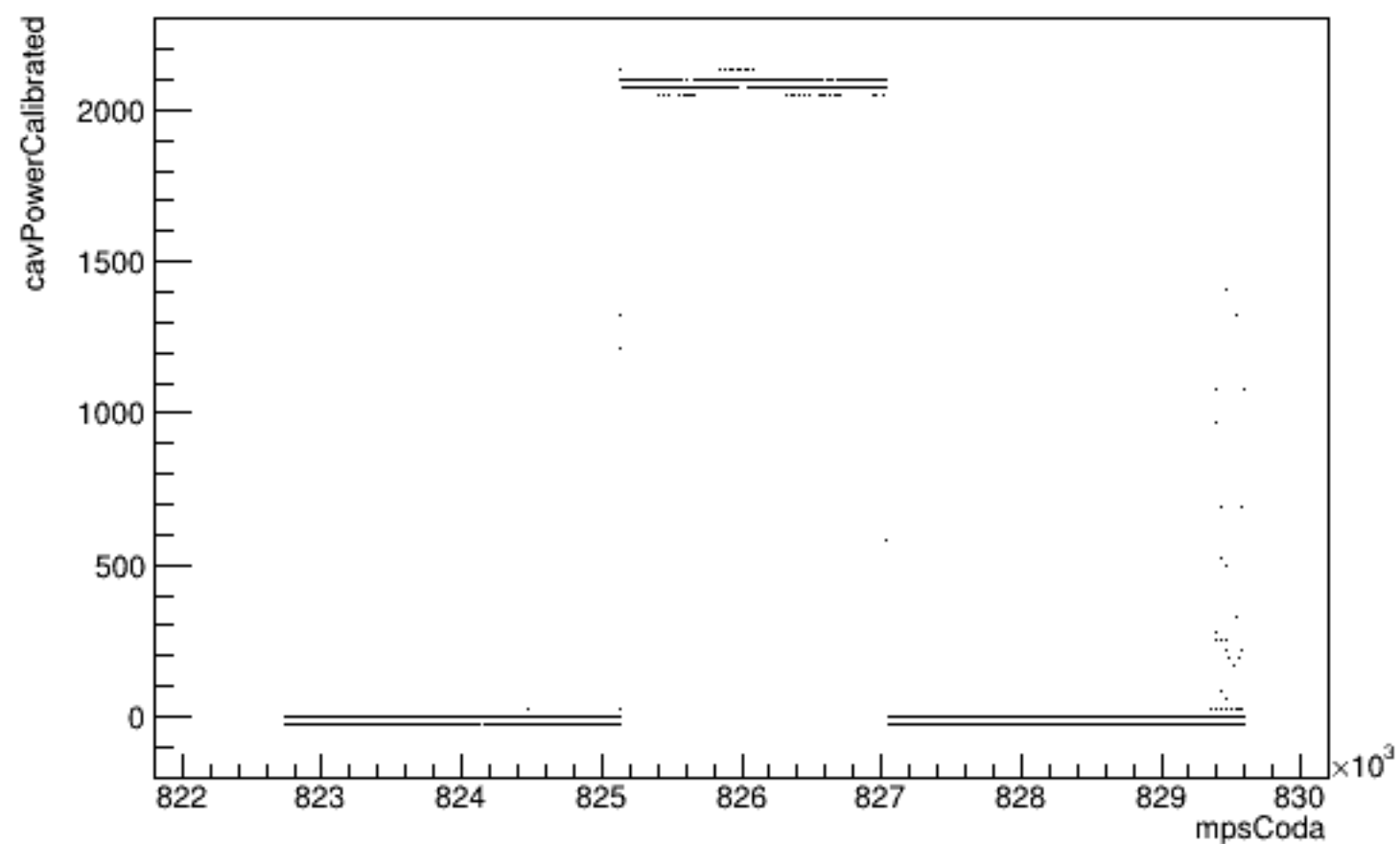
laserState:mpsCoda {mpsCoda>=822728 && mpsCoda<=829595}



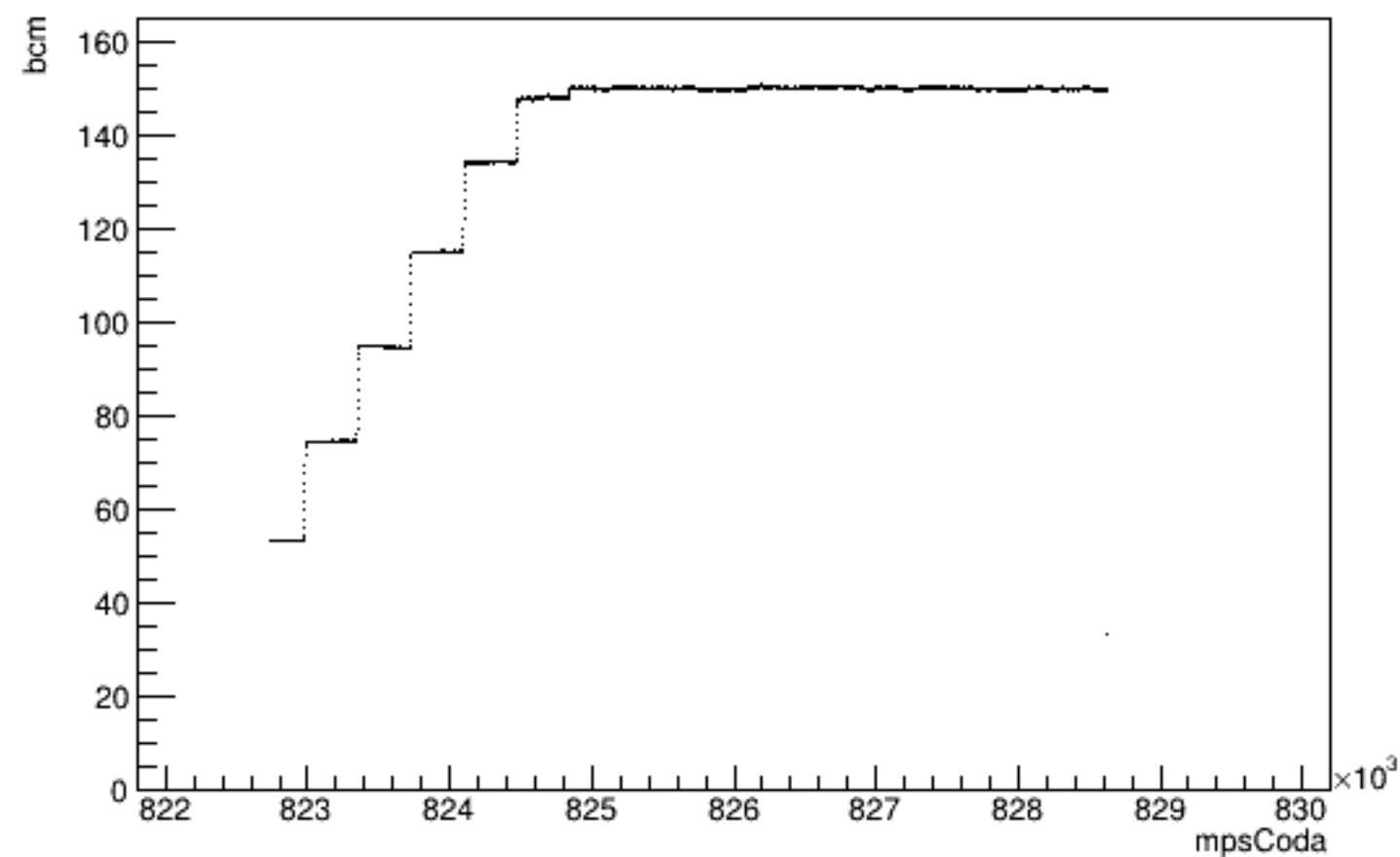
beamState + 1:mpsCoda {mpsCoda>=822728 && mpsCoda<=829595}



cavPowerCalibrated:mpsCoda {mpsCoda>=822728 && mpsCoda<=829595}



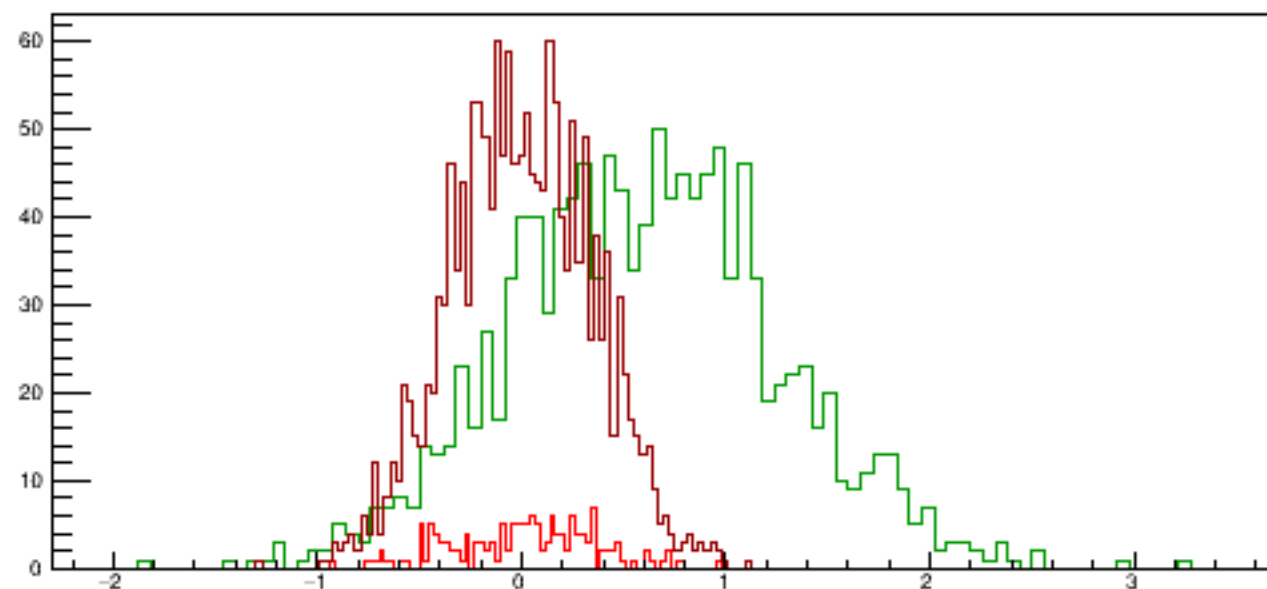
bcm:mpsCoda {mpsCoda>=822728 && mpsCoda<=829595}



Cycle 49, Diffs

Entries: 156	Entries: 1245	Entries: 1659
Mean: 0.0148 +/- 0.0295	Mean: 0.6007 +/- 0.0188	Mean: 0.0006 +/- 0.0086
Std Dev: 0.3686 +/- 0.0209	Std Dev: 0.6629 +/- 0.0133	Std Dev: 0.3485 +/- 0.0060

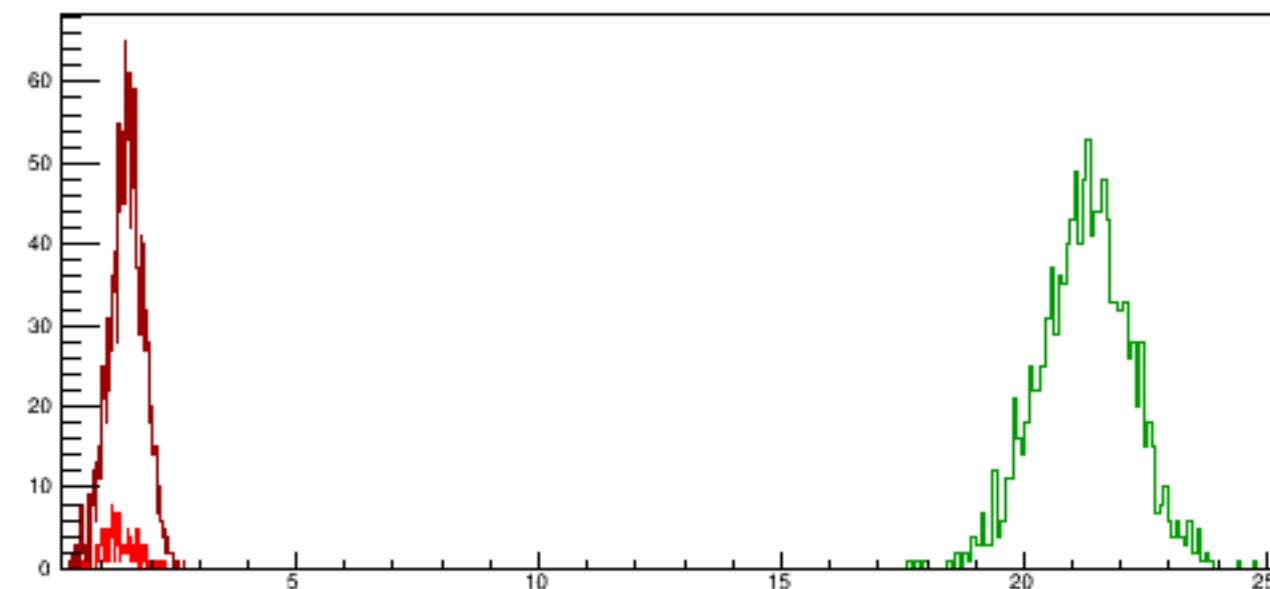
Run 5204 quartetwise, Diffs



Cycle 49, Sums

Entries: 156	Entries: 1245	Entries: 1659
Mean: 1.3584 +/- 0.0261	Mean: 21.2578 +/- 0.0269	Mean: 1.5204 +/- 0.0088
Std Dev: 0.3255 +/- 0.0184	Std Dev: 0.9489 +/- 0.0190	Std Dev: 0.3568 +/- 0.0062

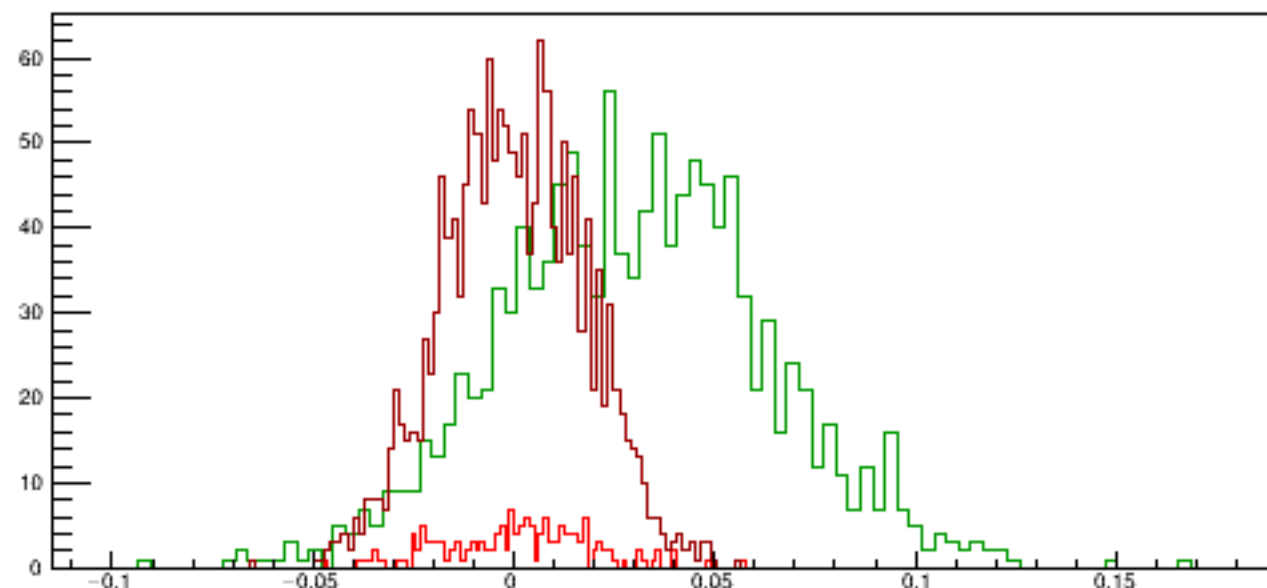
Run 5204 quartetwise, Sums



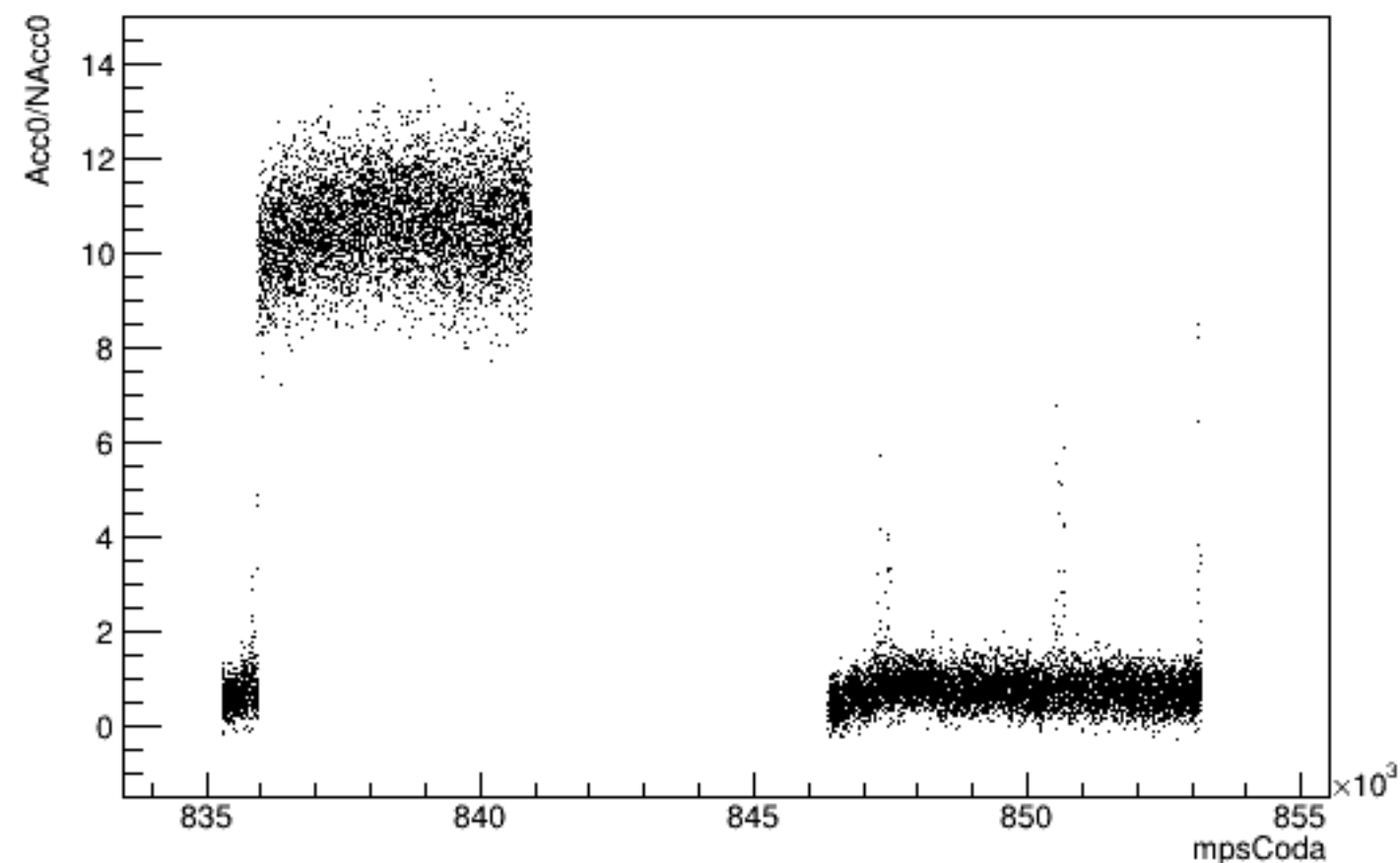
Cycle 49, Asyms

Entries: 156	Entries: 1245	Entries: 1659
Mean: 0.0007 +/- 0.0015	Mean: 0.0303 +/- 0.0009	Mean: 0.0000 +/- 0.0004
Std Dev: 0.0186 +/- 0.0011	Std Dev: 0.0335 +/- 0.0007	Std Dev: 0.0176 +/- 0.0003

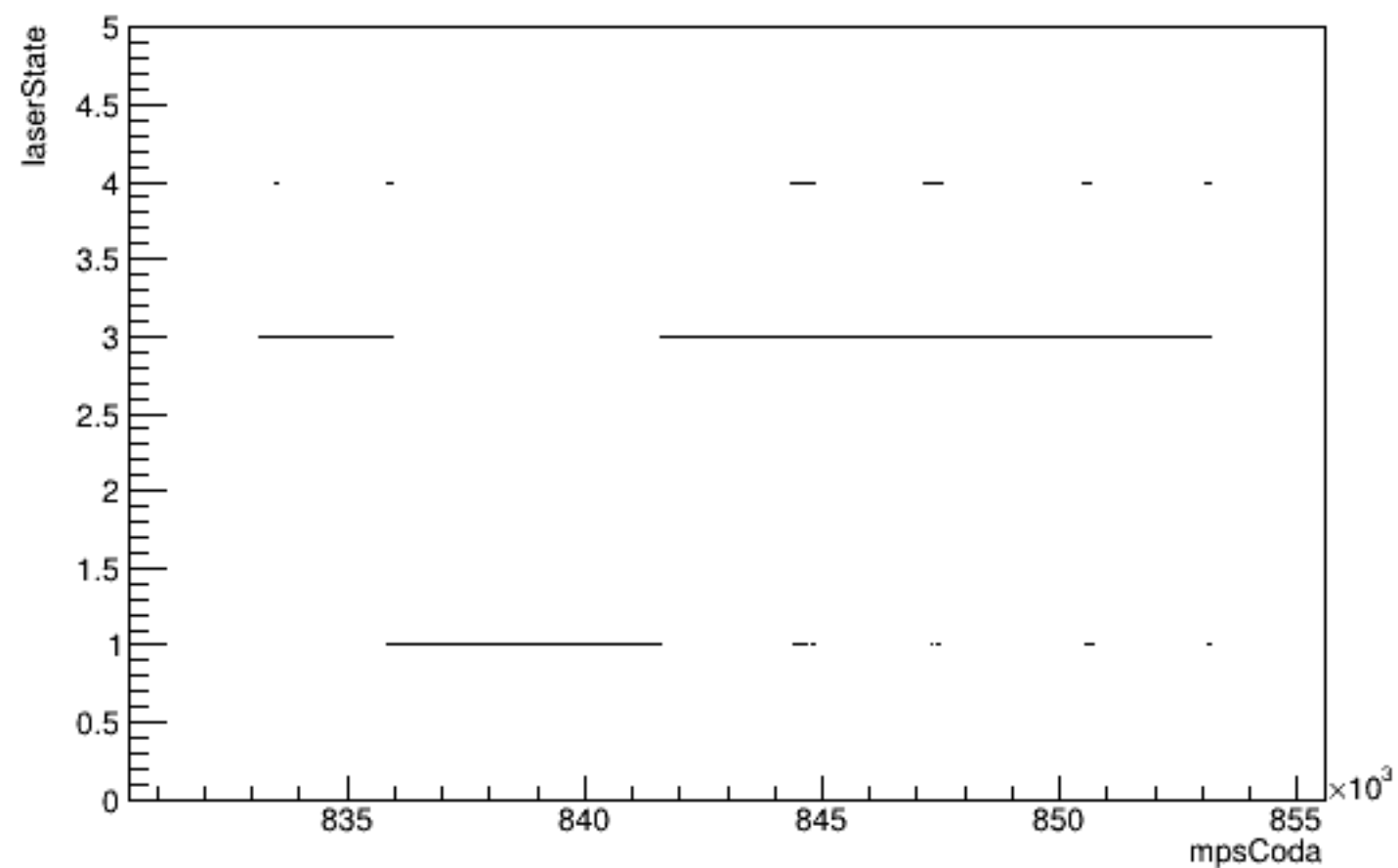
Run 5204 quartetwise, Asyms



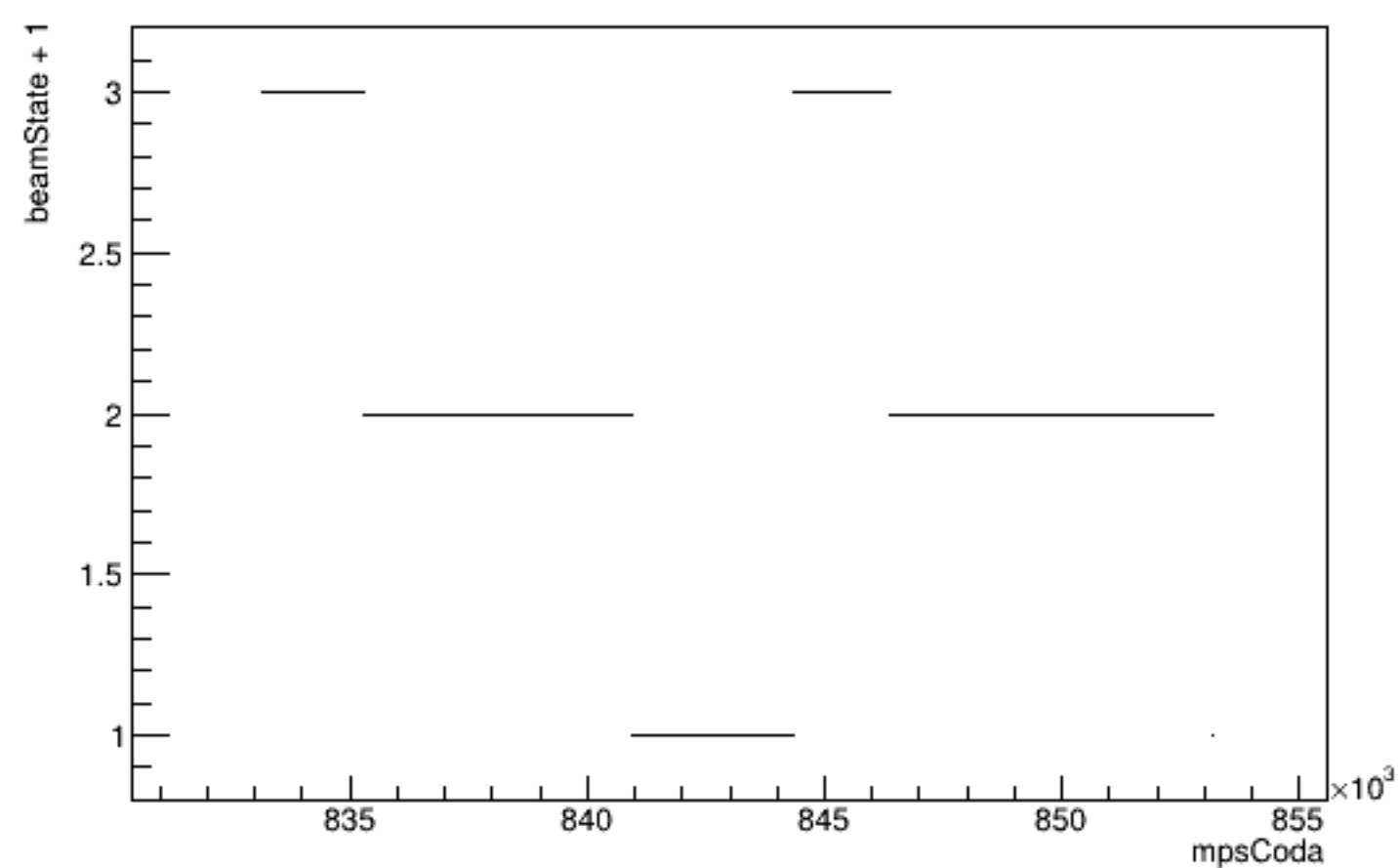
Acc0/NAcc0:mpsCoda (mpsCoda>=833156 && mpsCoda<=853187 && beamState==1)



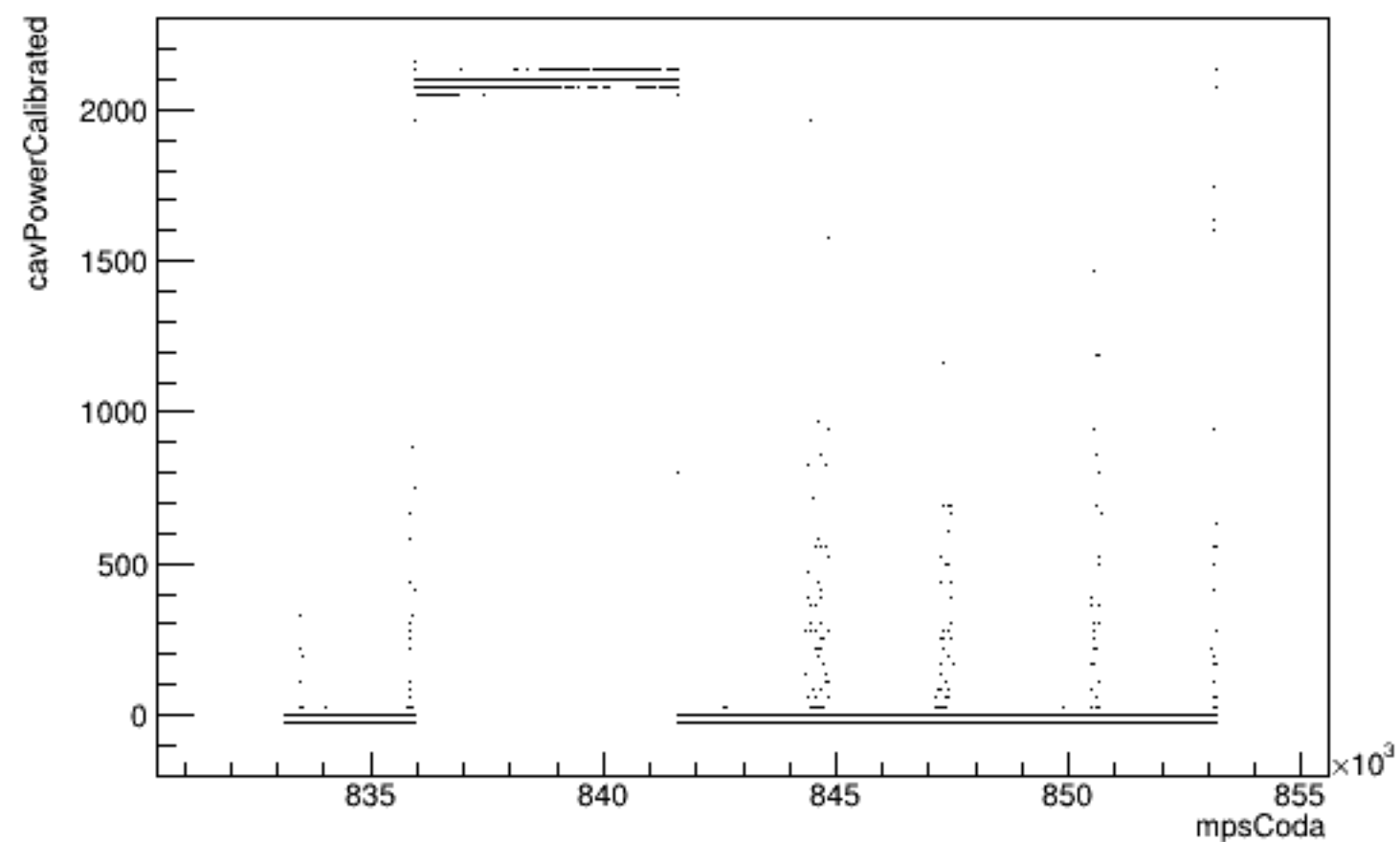
laserState:mpsCoda {mpsCoda>=833156 && mpsCoda<=853187}



beamState + 1:mpsCoda {mpsCoda>=833156 && mpsCoda<=853187}



cavPowerCalibrated:mpsCoda {mpsCoda>=833156 && mpsCoda<=853187}



bcm:mpsCoda {mpsCoda>=833156 && mpsCoda<=853187}

