

## Cycle 1, Diffs

Entries: 1879

Mean: 0.0001 +/- 0.0043

Std Dev: 0.1861 +/- 0.0030

Entries: 658

Mean: 0.1181 +/- 0.0110

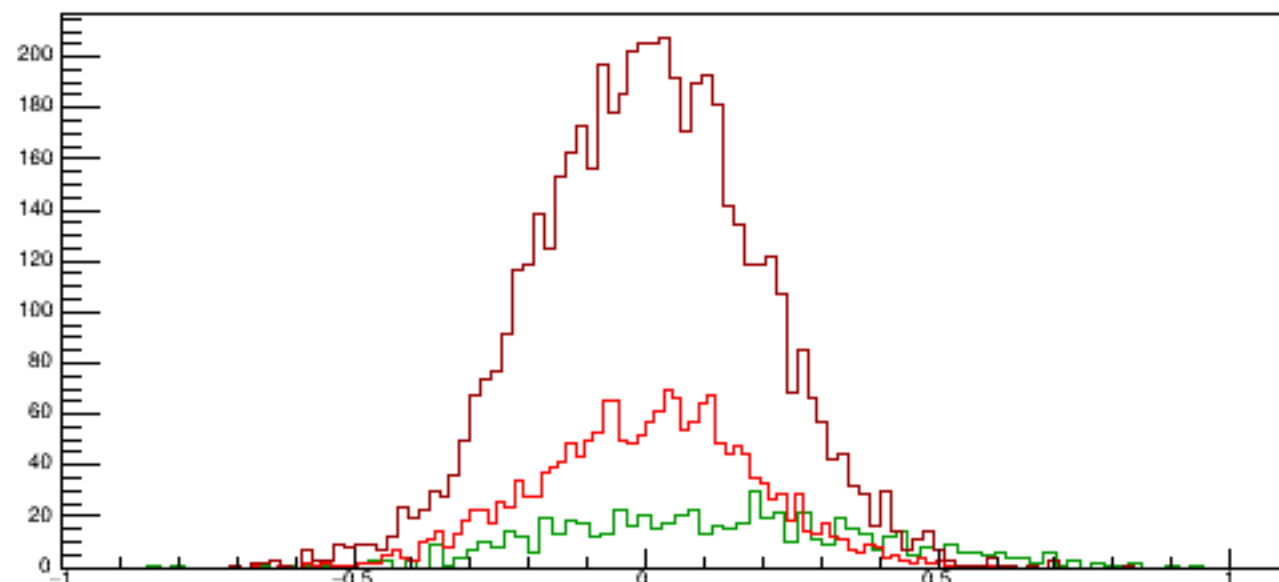
Std Dev: 0.2822 +/- 0.0078

Entries: 5329

Mean: 0.0006 +/- 0.0026

Std Dev: 0.1914 +/- 0.0019

Run 4611 quartetwise, Diffs



## Cycle 1, Sums

Entries: 1879

Mean: 14.7645 +/- 0.0063

Std Dev: 0.2744 +/- 0.0045

Entries: 658

Mean: 22.7574 +/- 0.0294

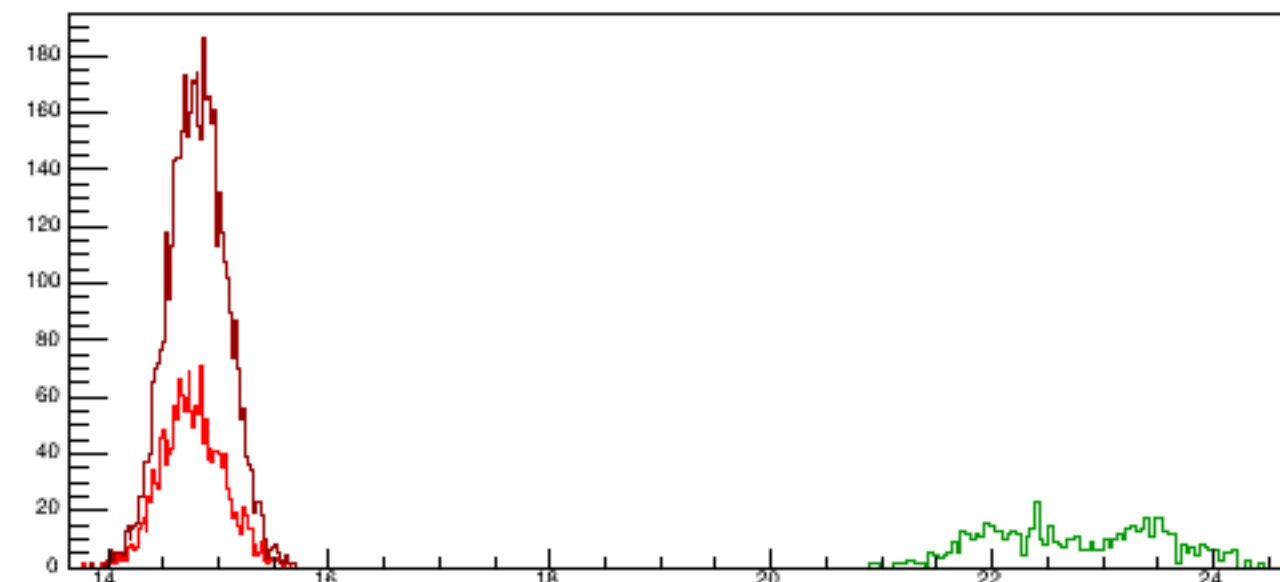
Std Dev: 0.7539 +/- 0.0208

Entries: 5329

Mean: 14.8113 +/- 0.0036

Std Dev: 0.2645 +/- 0.0026

Run 4611 quartetwise, Sums



## Cycle 1, Asyms

Entries: 1879

Mean: 0.0000 +/- 0.0005

Std Dev: 0.0233 +/- 0.0004

Entries: 658

Mean: 0.0147 +/- 0.0014

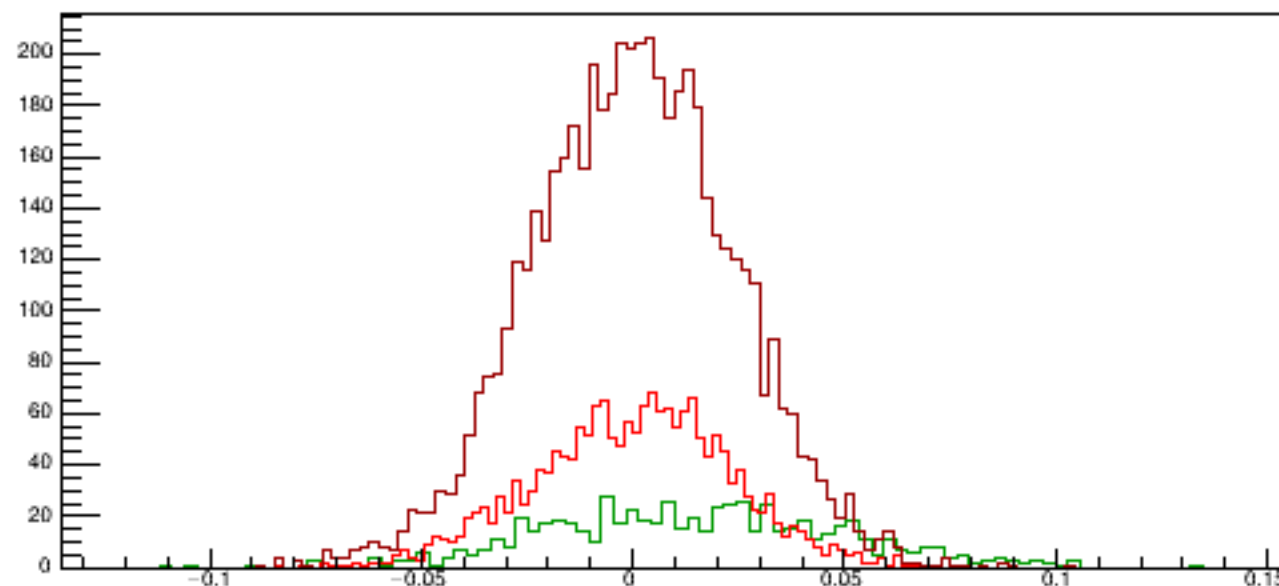
Std Dev: 0.0357 +/- 0.0010

Entries: 5329

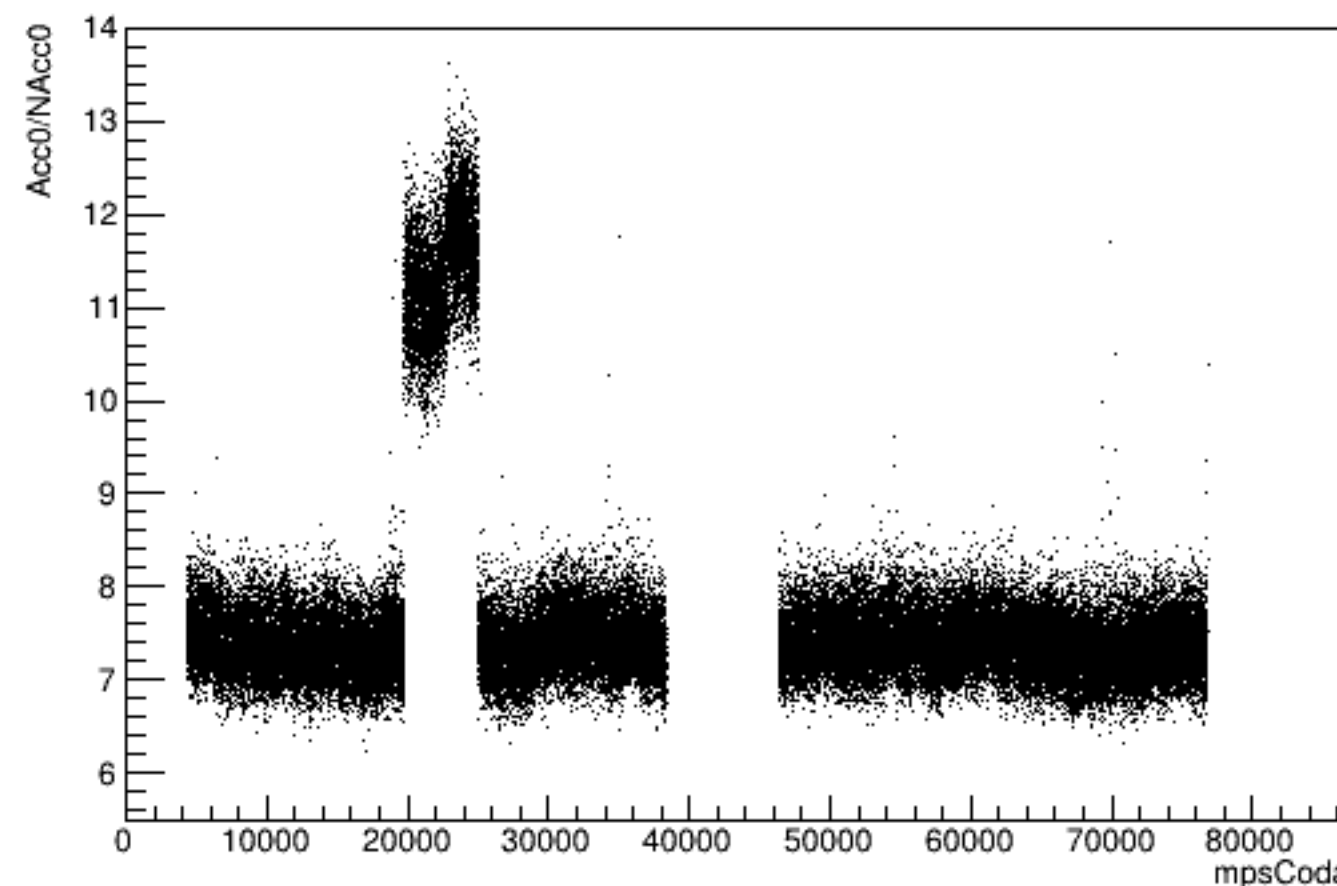
Mean: 0.0001 +/- 0.0003

Std Dev: 0.0240 +/- 0.0002

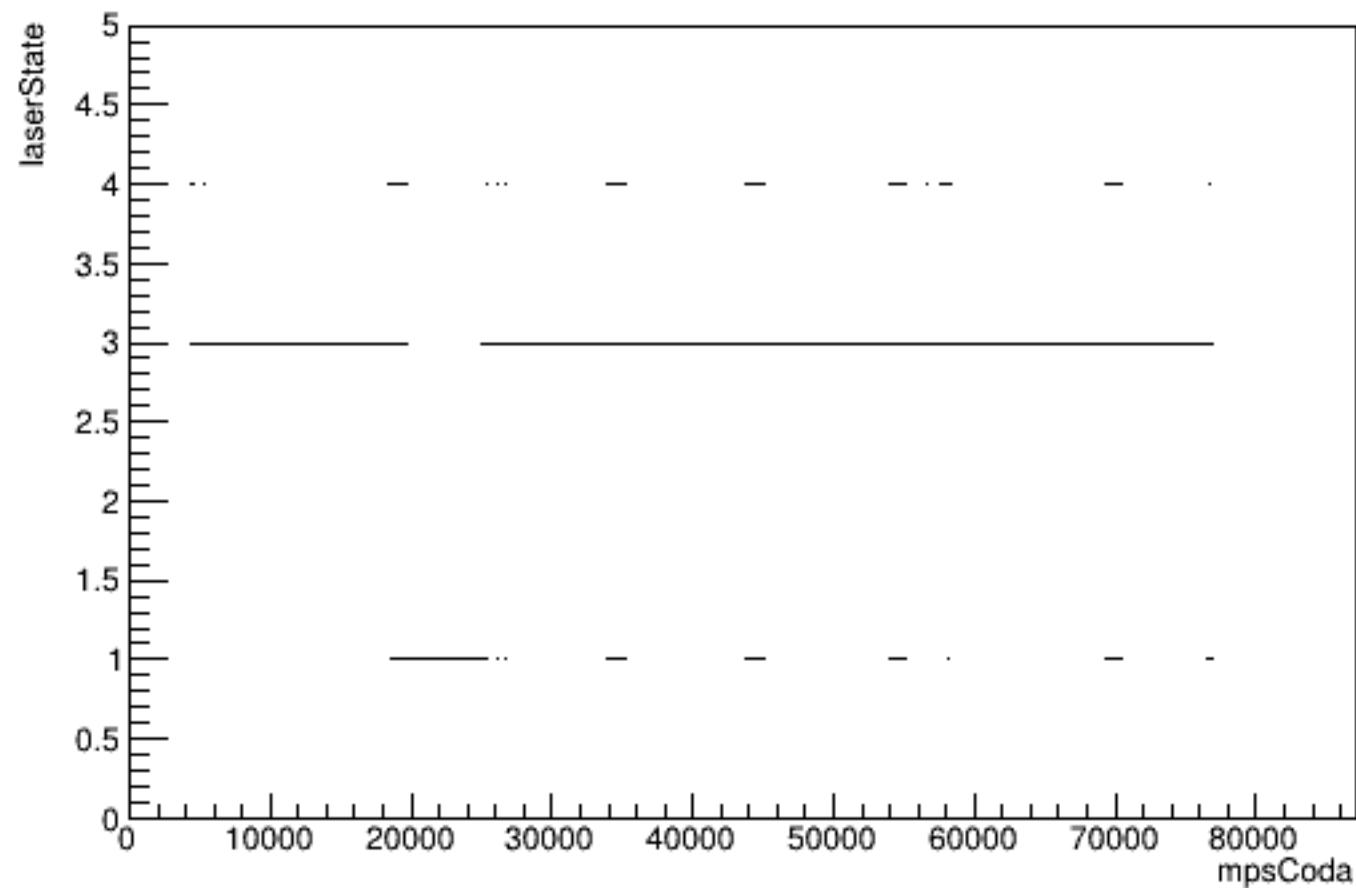
Run 4611 quartetwise, Asyms



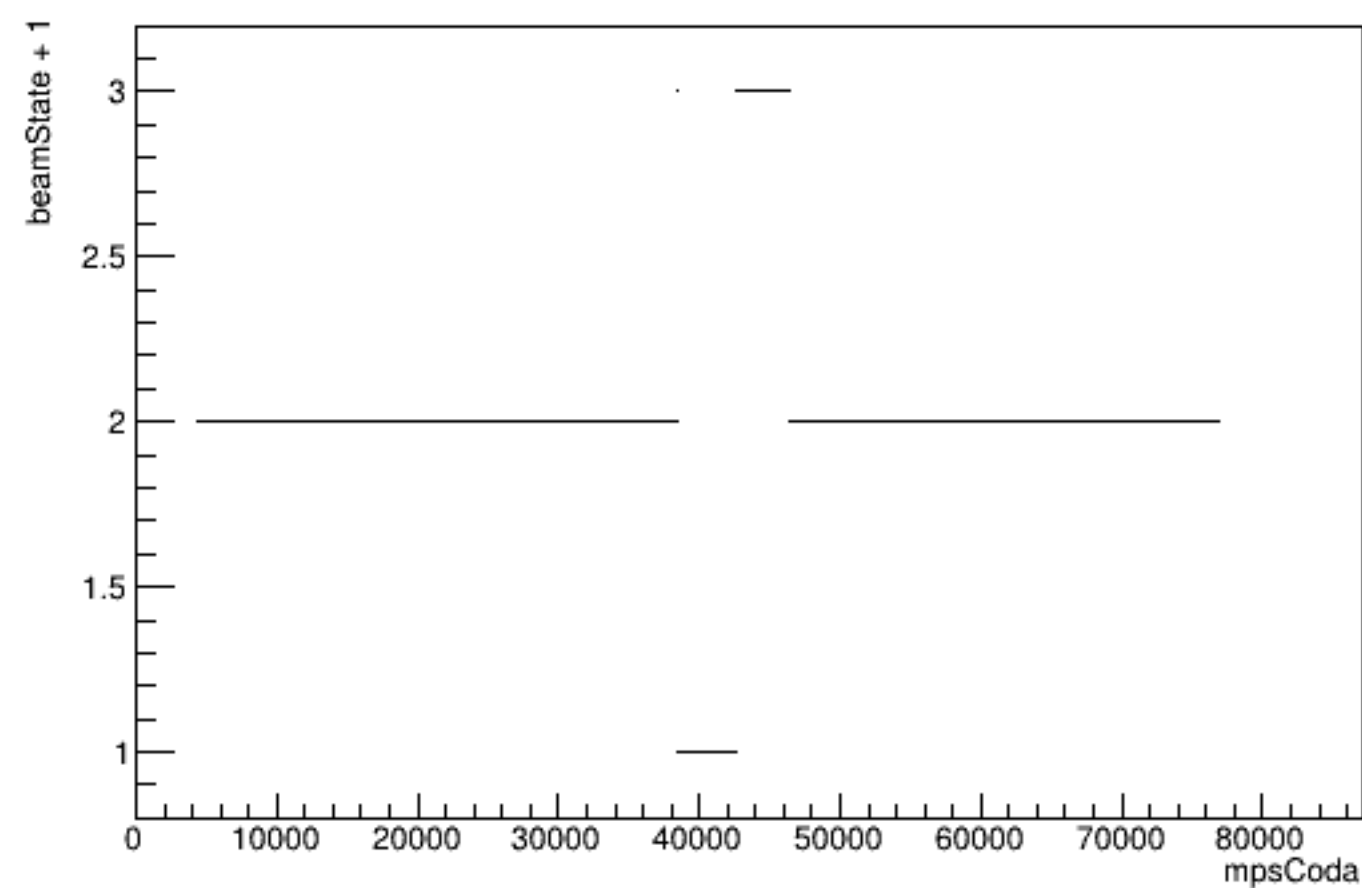
Acc0/NAcc0:mpsCoda {mpsCoda>=4344 && mpsCoda<=76799 && beamState==1}



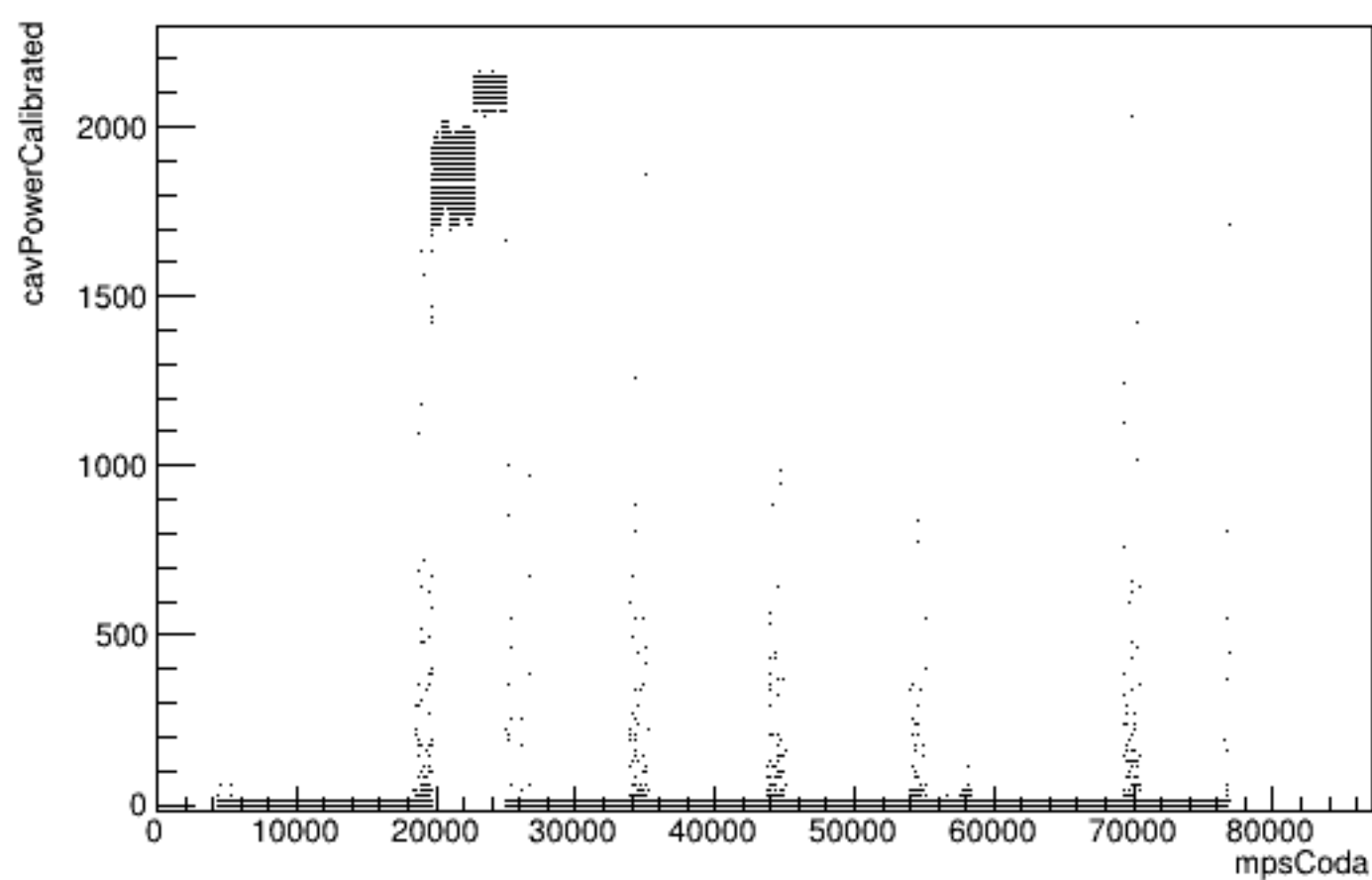
laserState:mpsCoda {mpsCoda&gt;=4344 &amp;&amp; mpsCoda&lt;=76799}



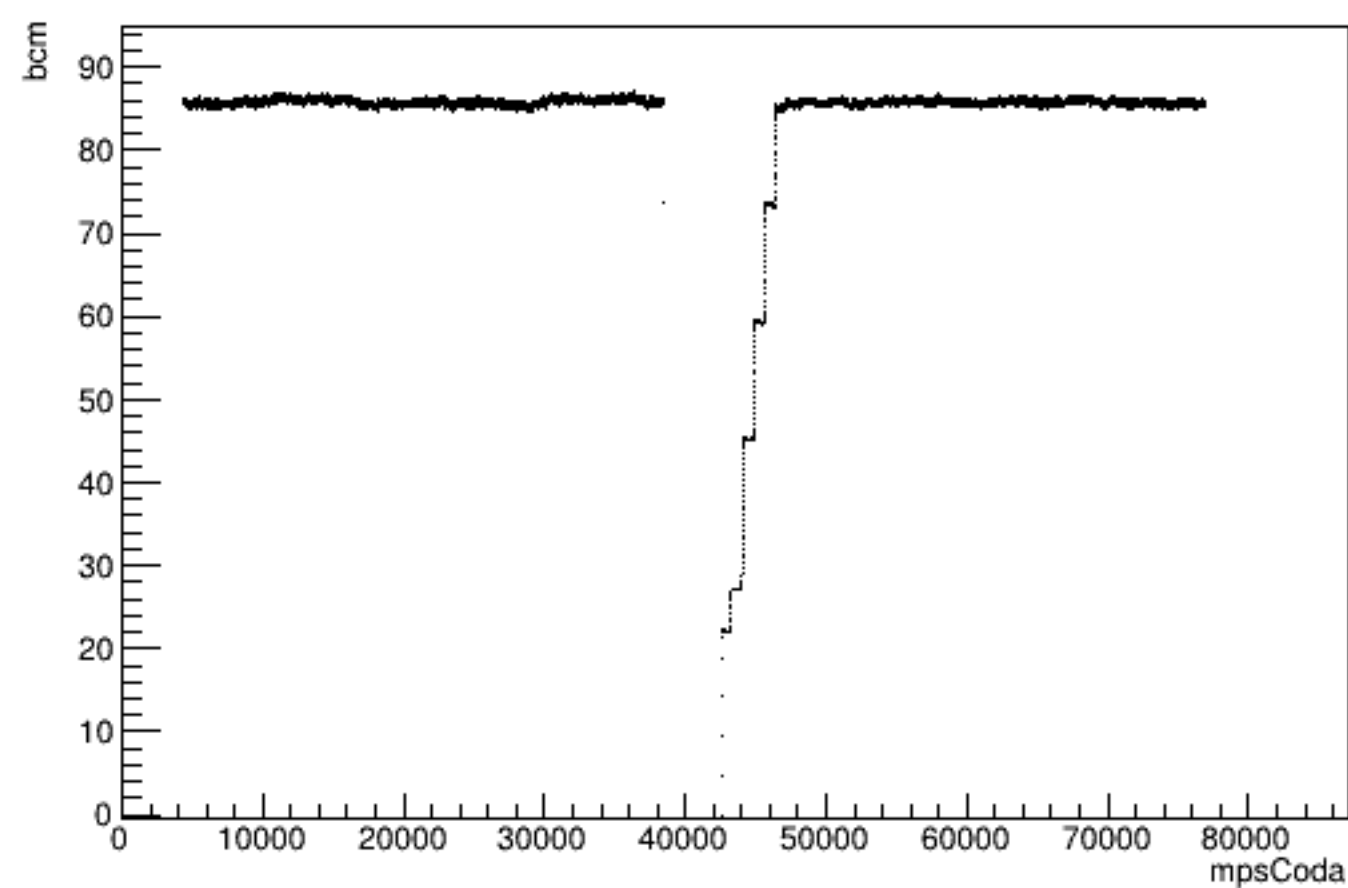
beamState + 1:mpsCoda {mpsCoda&gt;=4344 &amp;&amp; mpsCoda&lt;=76799}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=4344 &amp;&amp; mpsCoda&lt;=76799}



bcm:mpsCoda {mpsCoda&gt;=4344 &amp;&amp; mpsCoda&lt;=76799}



## Cycle 2, Diffs

Entries: 5329

Mean: 0.0006 +/- 0.0026

Std Dev: 0.1914 +/- 0.0019

Entries: 3322

Mean: 0.1213 +/- 0.0049

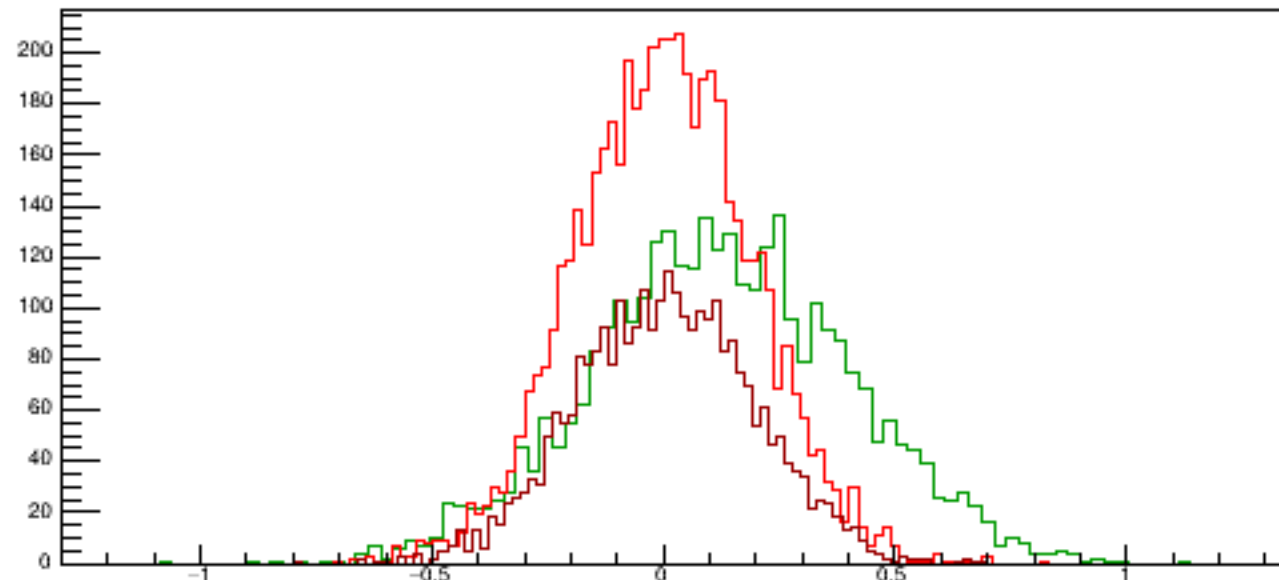
Std Dev: 0.2798 +/- 0.0034

Entries: 2947

Mean: 0.0034 +/- 0.0035

Std Dev: 0.1923 +/- 0.0025

Run 4611 quartetwise, Diffs



## Cycle 2, Sums

Entries: 5329

Mean: 14.8113 +/- 0.0036

Std Dev: 0.2645 +/- 0.0026

Entries: 3322

Mean: 23.2201 +/- 0.0085

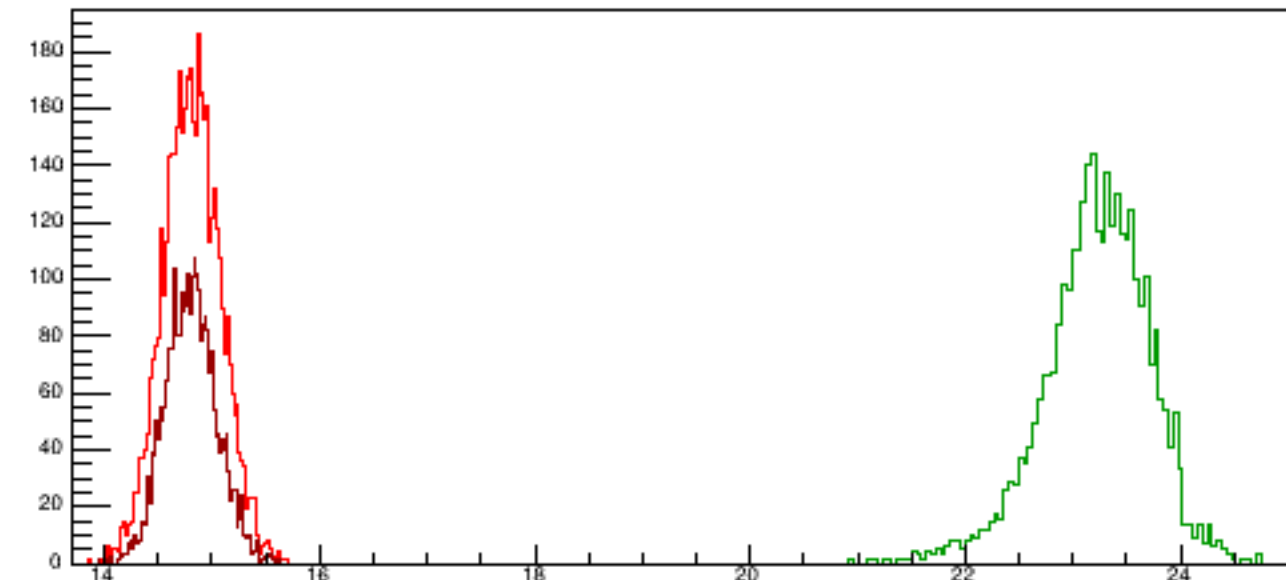
Std Dev: 0.4890 +/- 0.0060

Entries: 2947

Mean: 14.8018 +/- 0.0044

Std Dev: 0.2386 +/- 0.0031

Run 4611 quartetwise, Sums



## Cycle 2, Asyms

Entries: 5329

Mean: 0.0001 +/- 0.0003

Std Dev: 0.0227 +/- 0.0002

Entries: 3322

Mean: 0.0144 +/- 0.0006

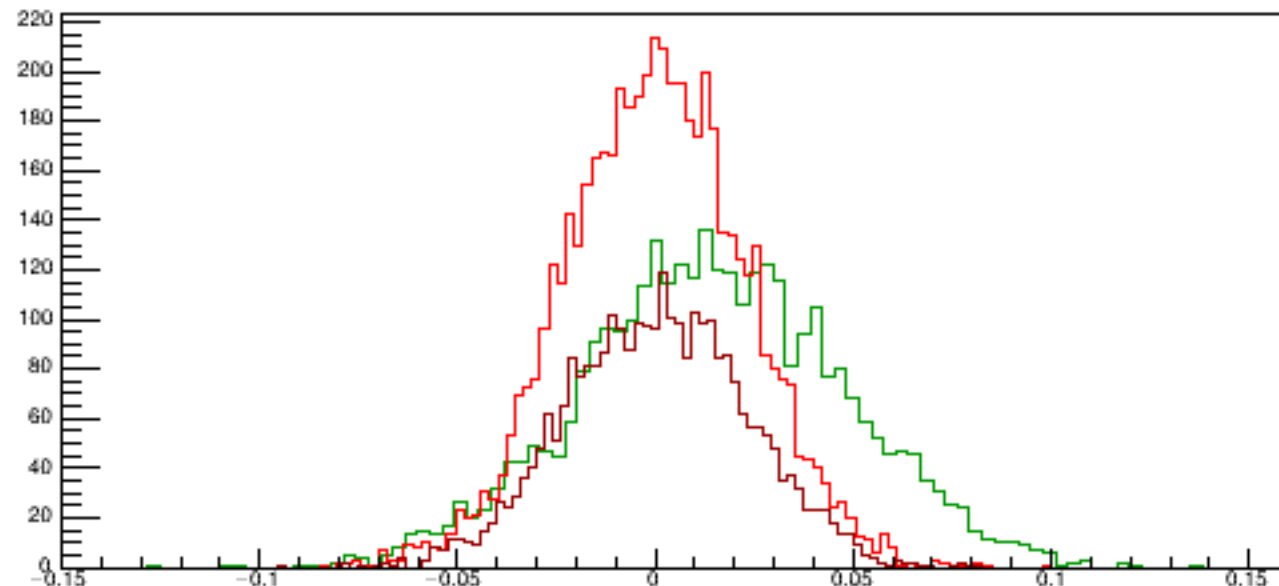
Std Dev: 0.0333 +/- 0.0004

Entries: 2947

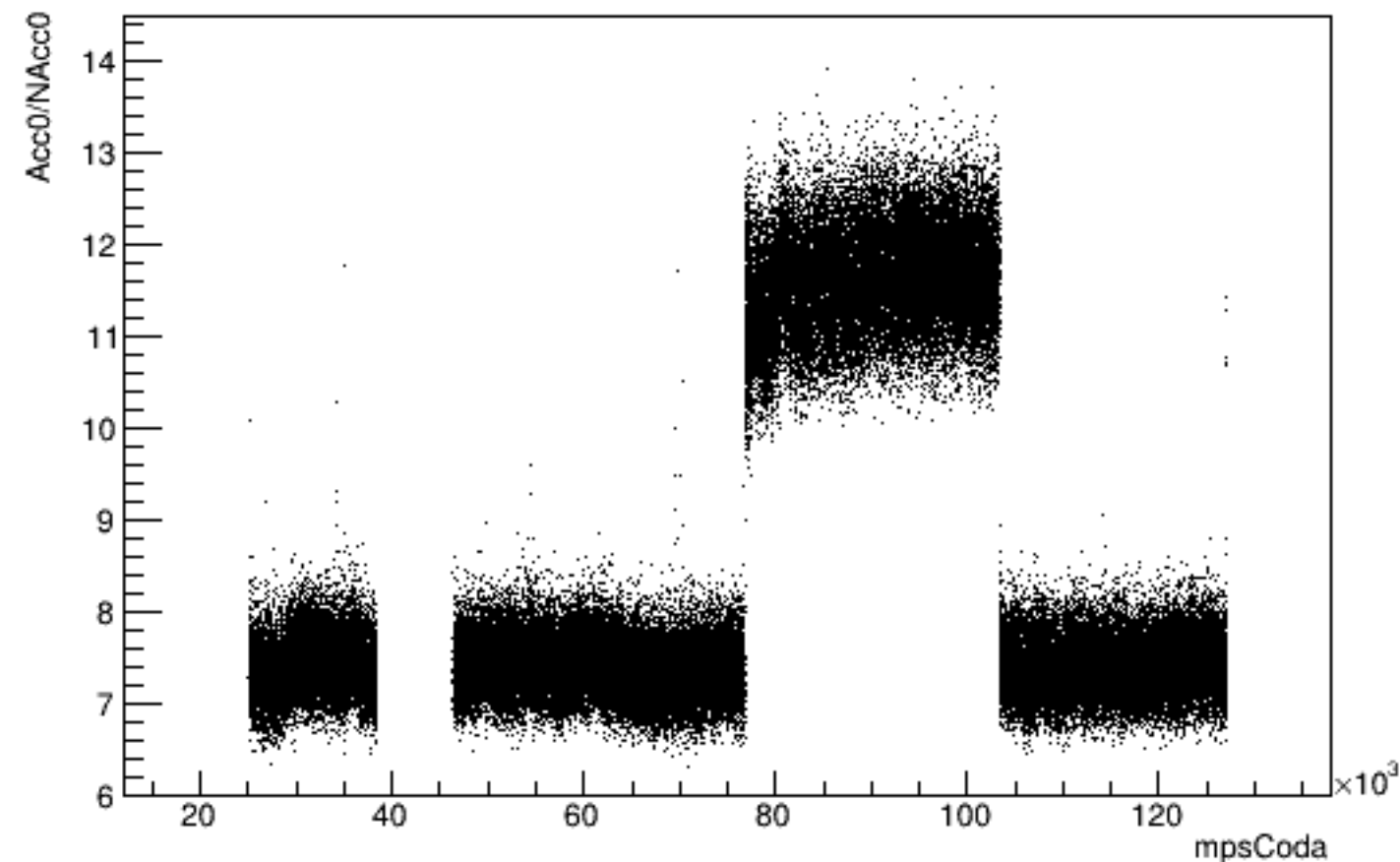
Mean: 0.0004 +/- 0.0004

Std Dev: 0.0229 +/- 0.0003

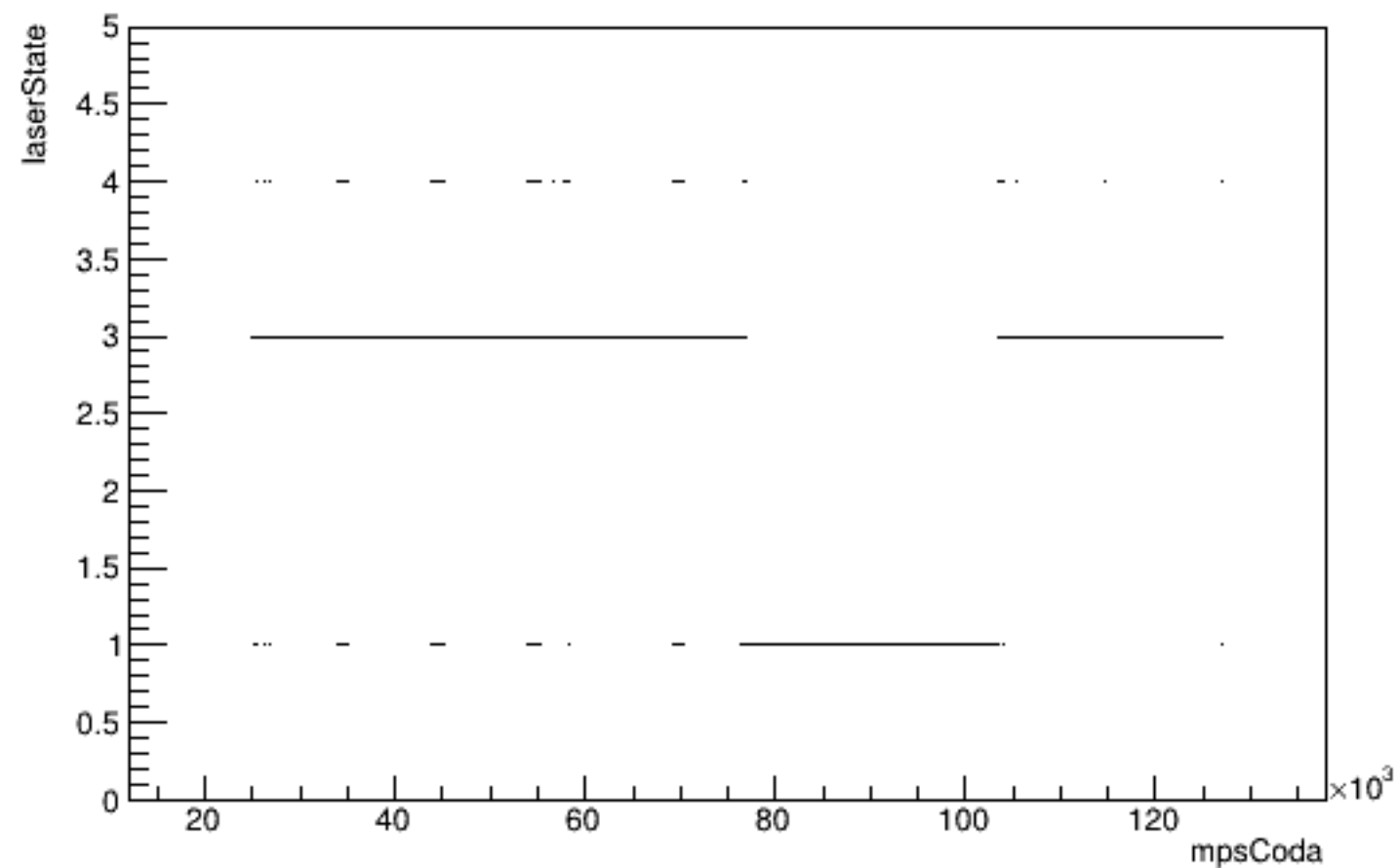
Run 4611 quartetwise, Asyms



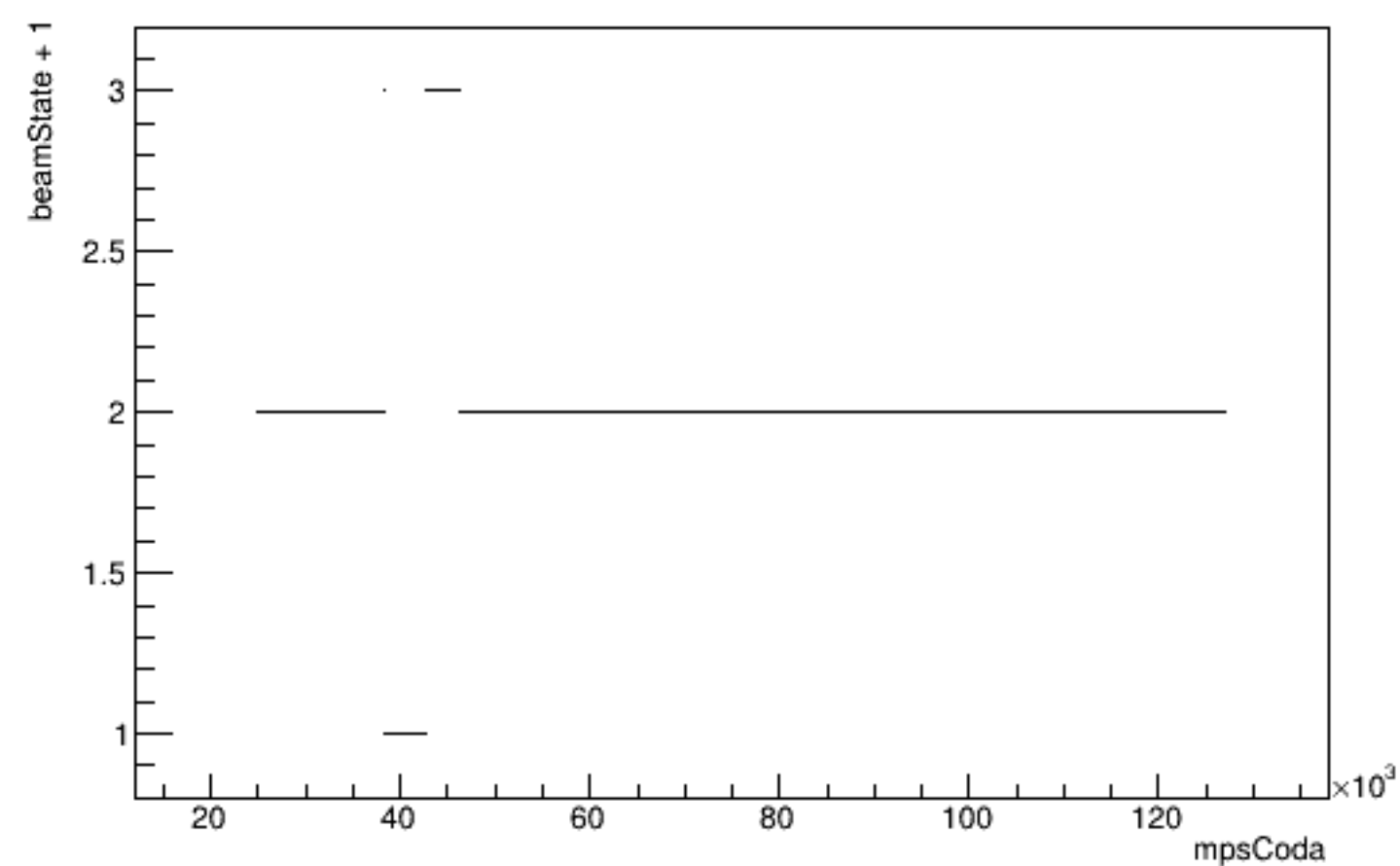
Acc0/NAcc0:mpsCoda {mpsCoda>=25008 && mpsCoda<=127167 && beamState==1}



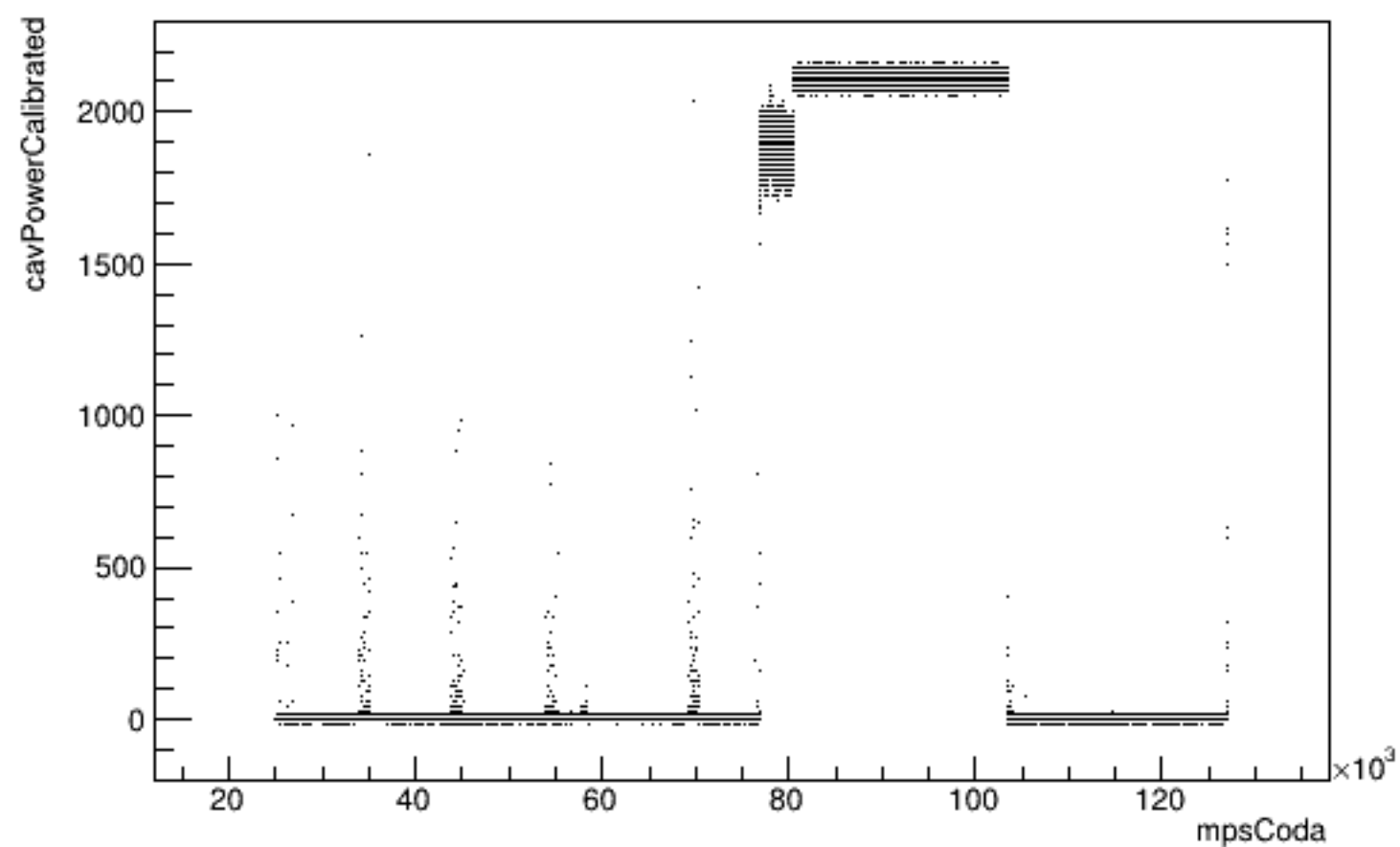
laserState:mpsCoda {mpsCoda&gt;=25008 &amp;&amp; mpsCoda&lt;=127167}



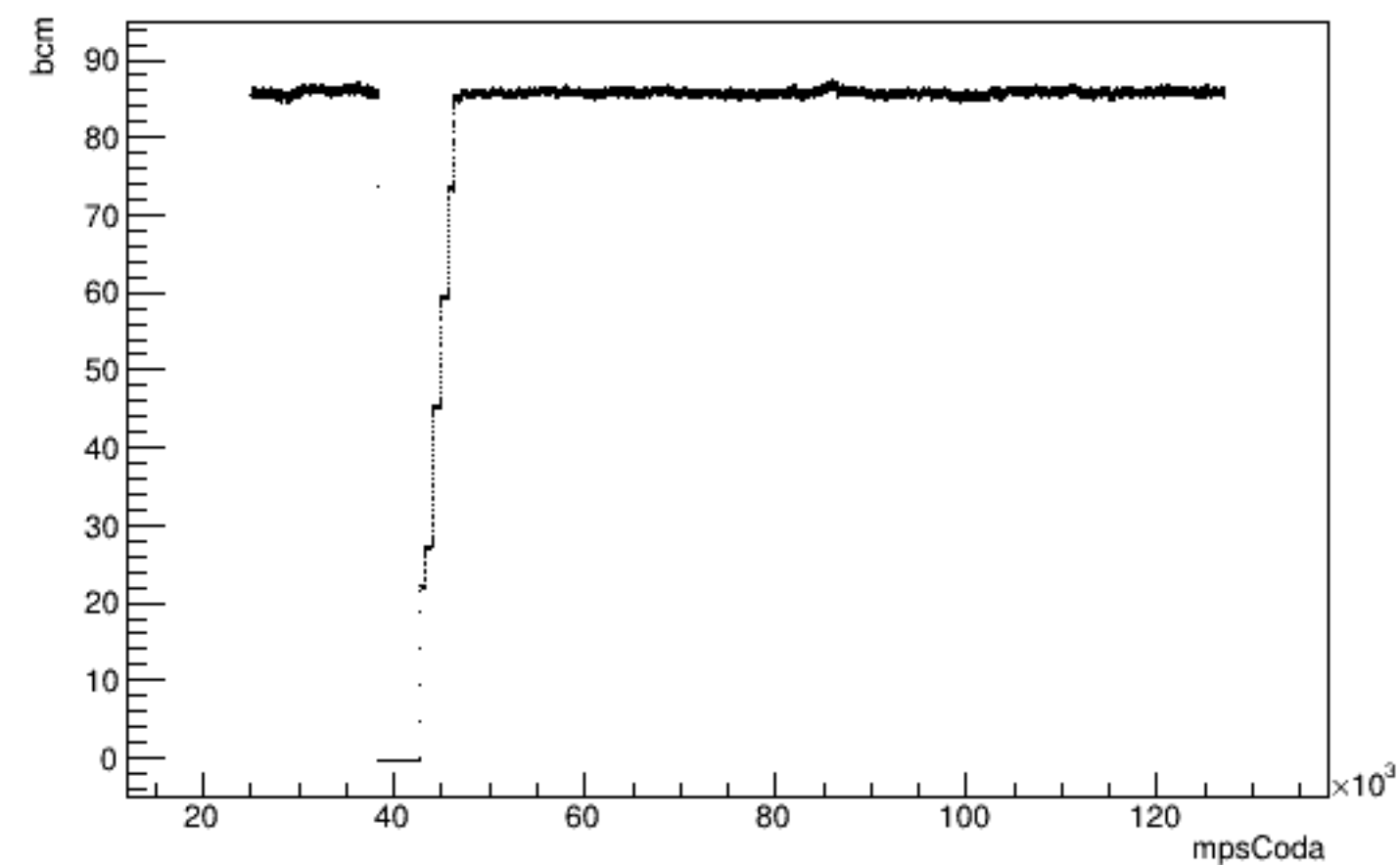
beamState + 1:mpsCoda {mpsCoda&gt;=25008 &amp;&amp; mpsCoda&lt;=127167}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=25008 &amp;&amp; mpsCoda&lt;=127167}



bcm:mpsCoda {mpsCoda&gt;=25008 &amp;&amp; mpsCoda&lt;=127167}



## Cycle 3, Diffs

Entries: 2947

Mean: 0.0034 +/- 0.0035

Std Dev: 0.1923 +/- 0.0025

Entries: 3326

Mean: 0.1243 +/- 0.0049

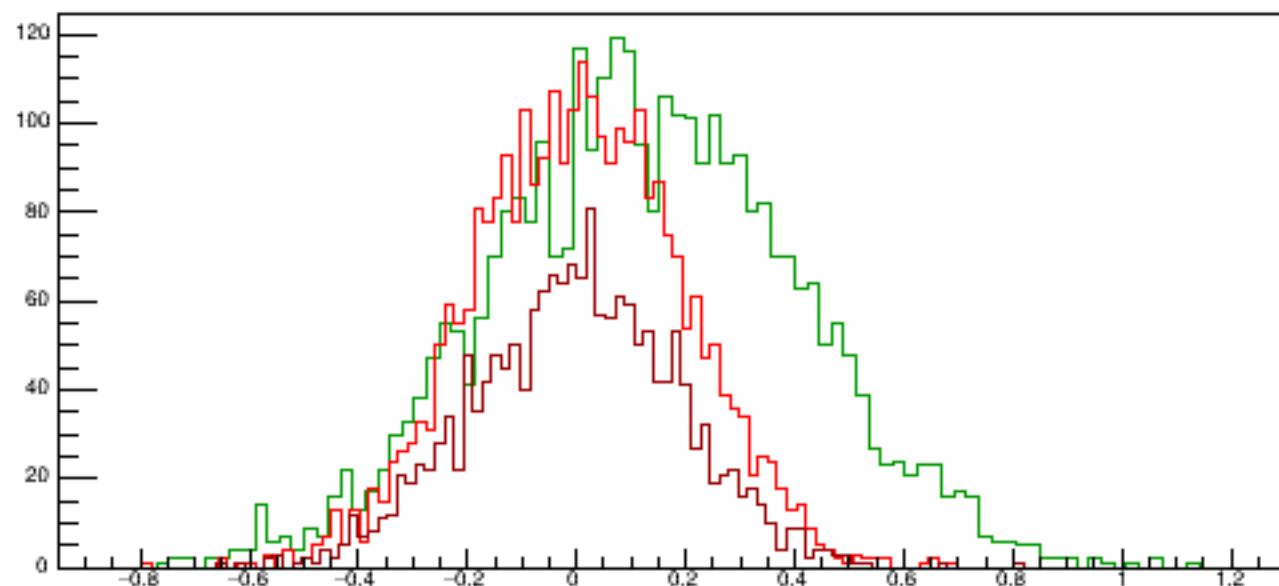
Std Dev: 0.2821 +/- 0.0035

Entries: 1748

Mean: -0.0013 +/- 0.0045

Std Dev: 0.1902 +/- 0.0032

Run 4611 quartetwise, Diffs



## Cycle 3, Sums

Entries: 2947

Mean: 14.8018 +/- 0.0044

Std Dev: 0.2386 +/- 0.0031

Entries: 3326

Mean: 23.6583 +/- 0.0090

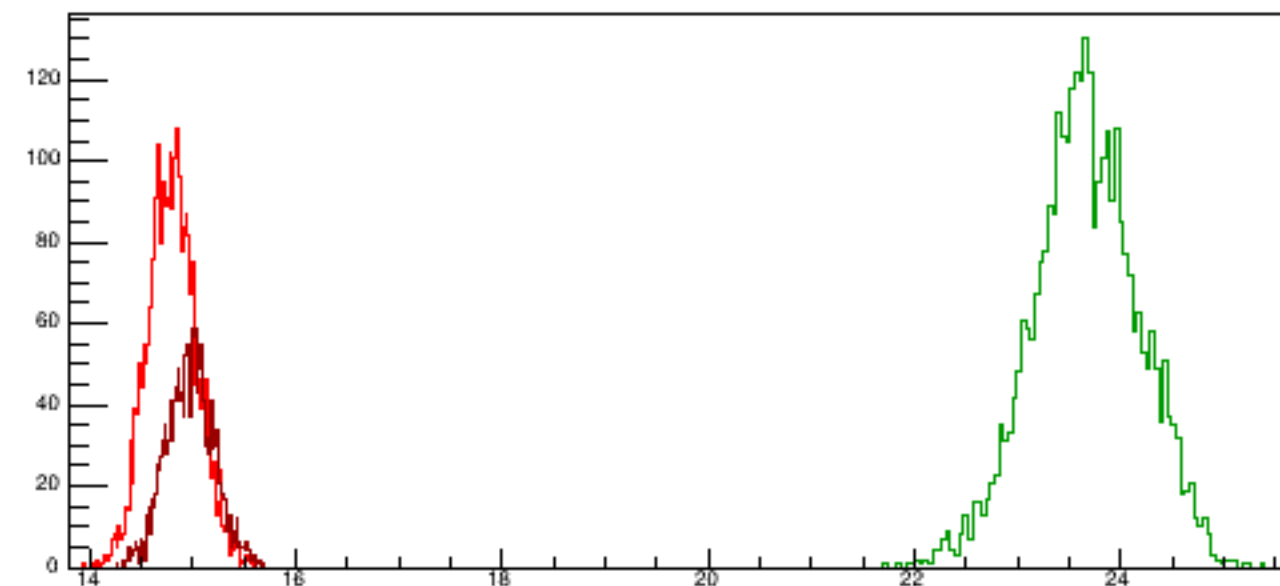
Std Dev: 0.5183 +/- 0.0064

Entries: 1748

Mean: 14.9715 +/- 0.0055

Std Dev: 0.2303 +/- 0.0039

Run 4611 quartetwise, Sums



## Cycle 3, Asyms

Entries: 2947

Mean: 0.0004 +/- 0.0004

Std Dev: 0.0219 +/- 0.0003

Entries: 3326

Mean: 0.0142 +/- 0.0006

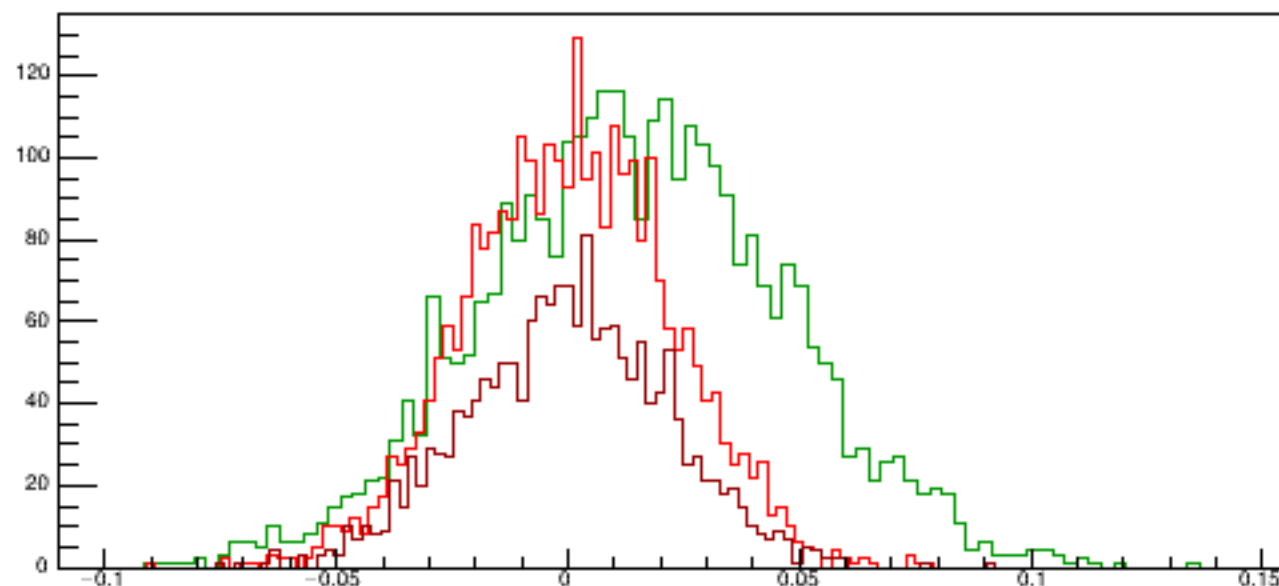
Std Dev: 0.0323 +/- 0.0004

Entries: 1748

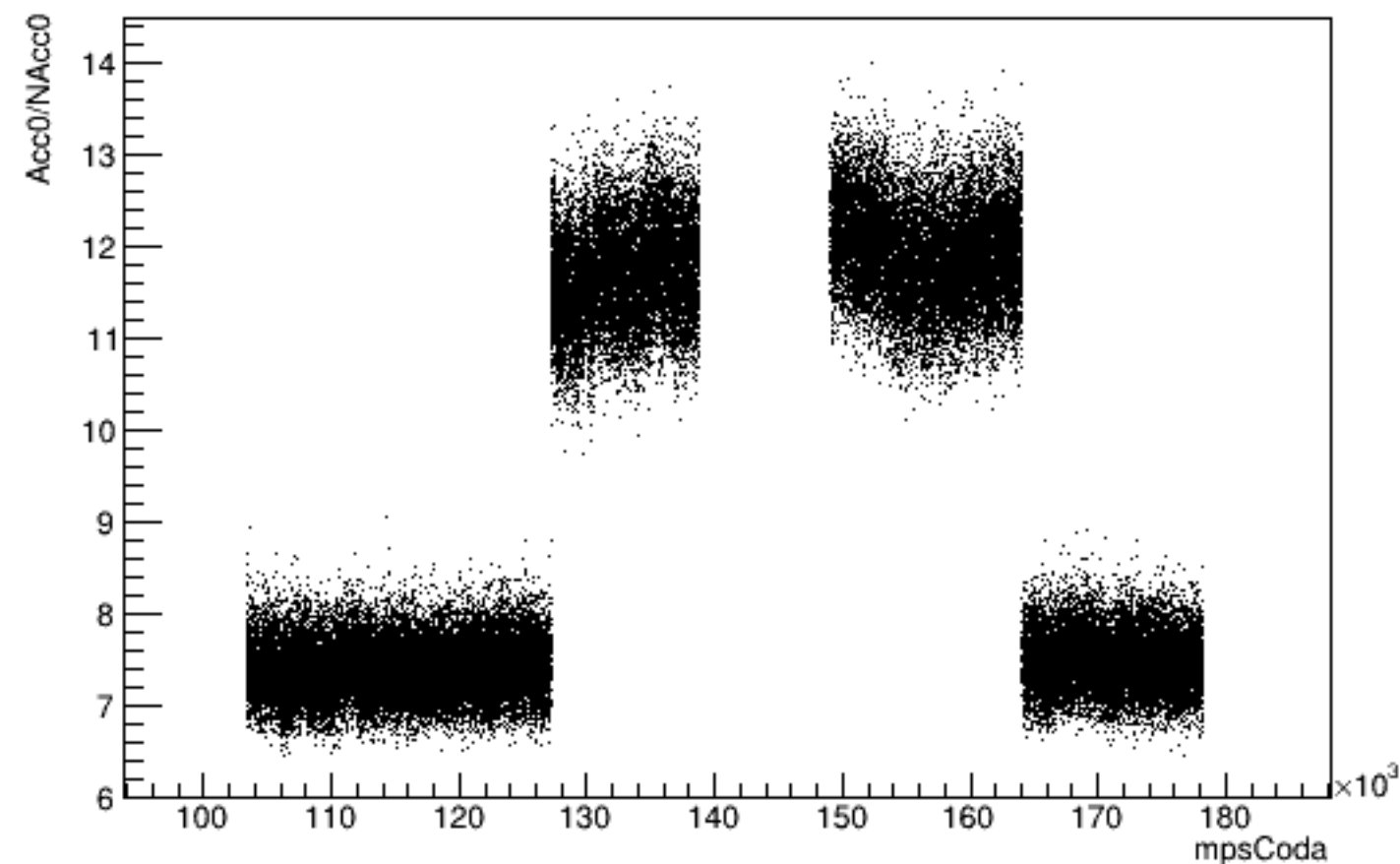
Mean: -0.0001 +/- 0.0005

Std Dev: 0.0217 +/- 0.0004

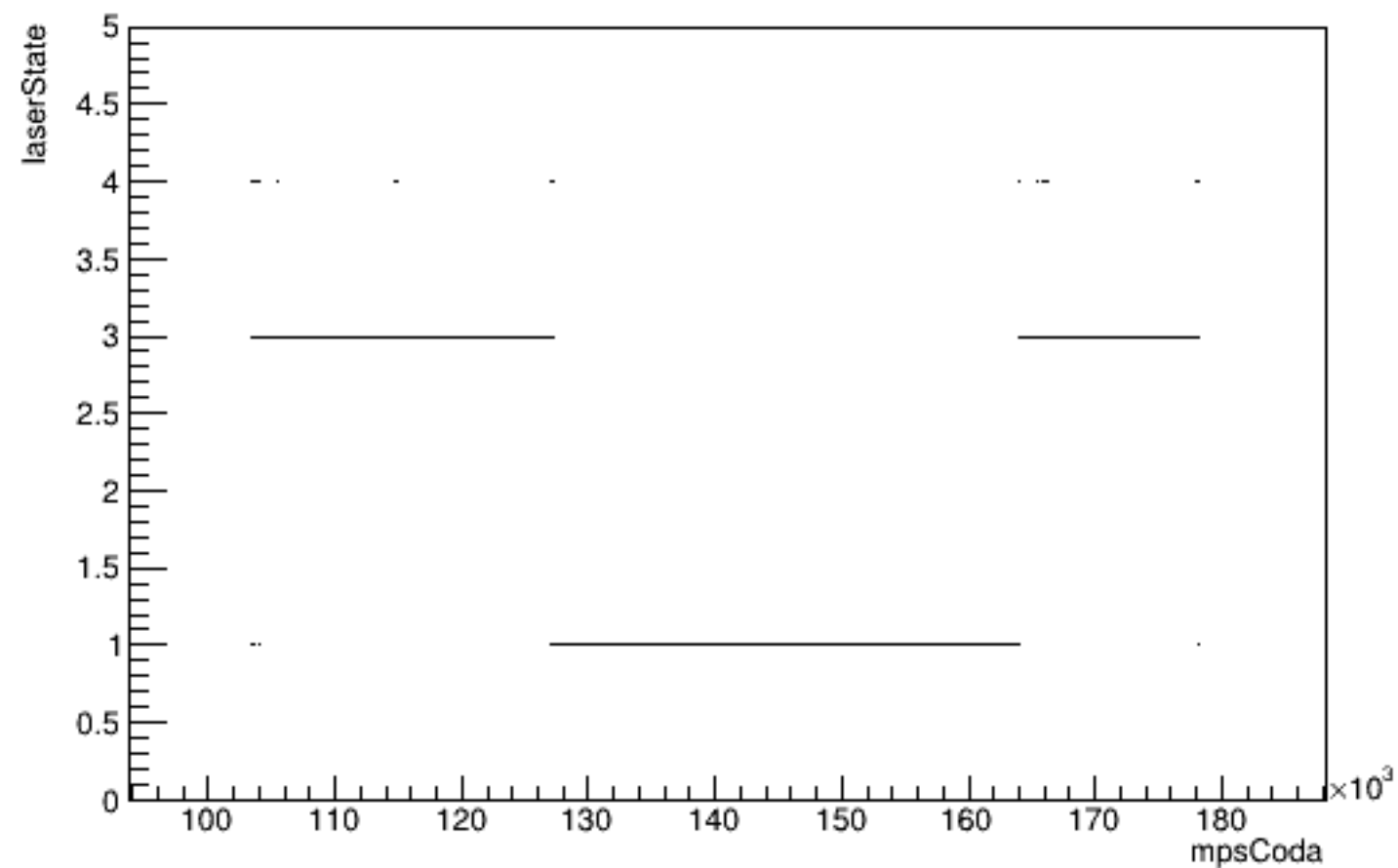
Run 4611 quartetwise, Asyms



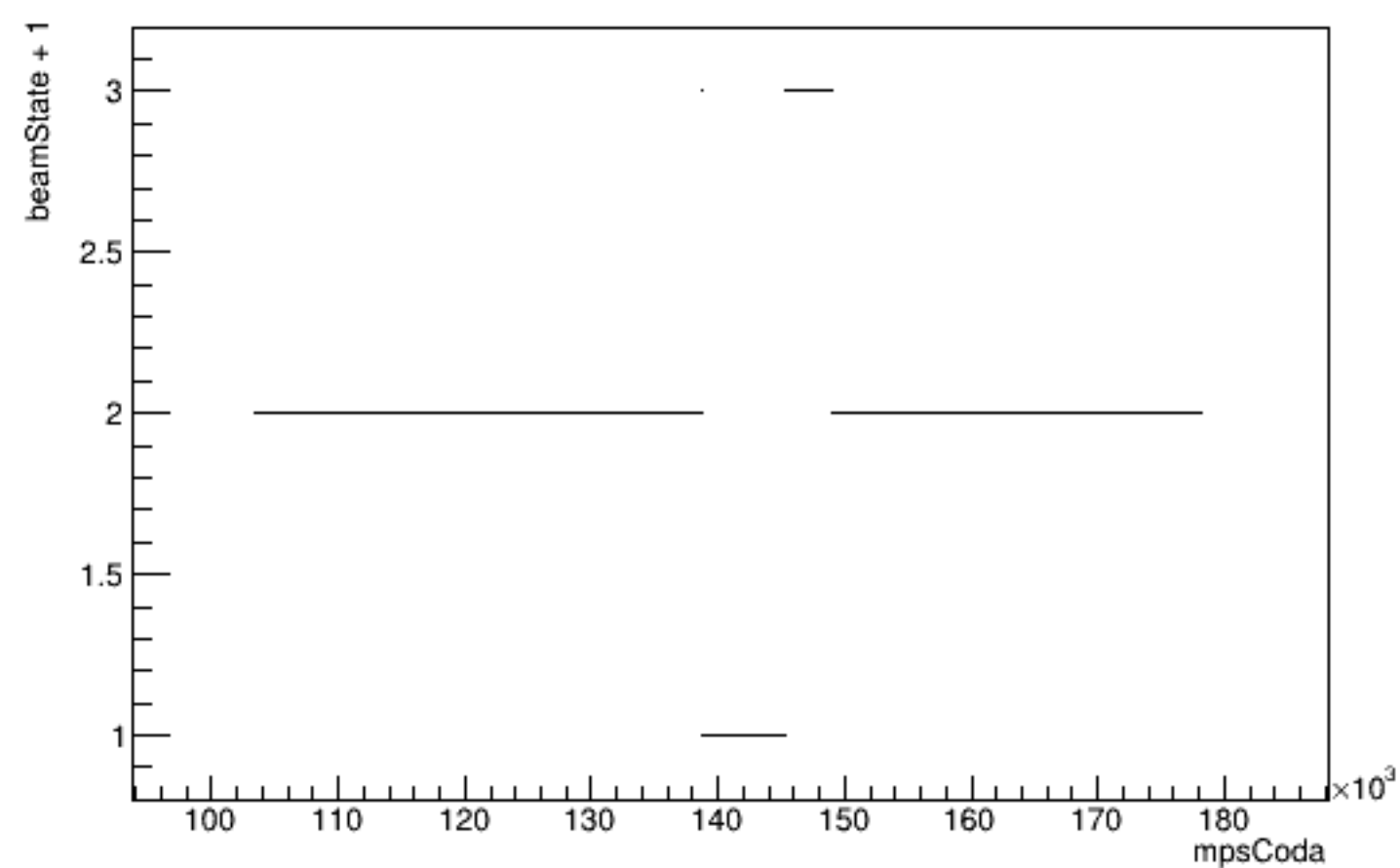
Acc0/NAcc0:mpsCoda {mpsCoda>=103384 && mpsCoda<=178183 && beamState==1}



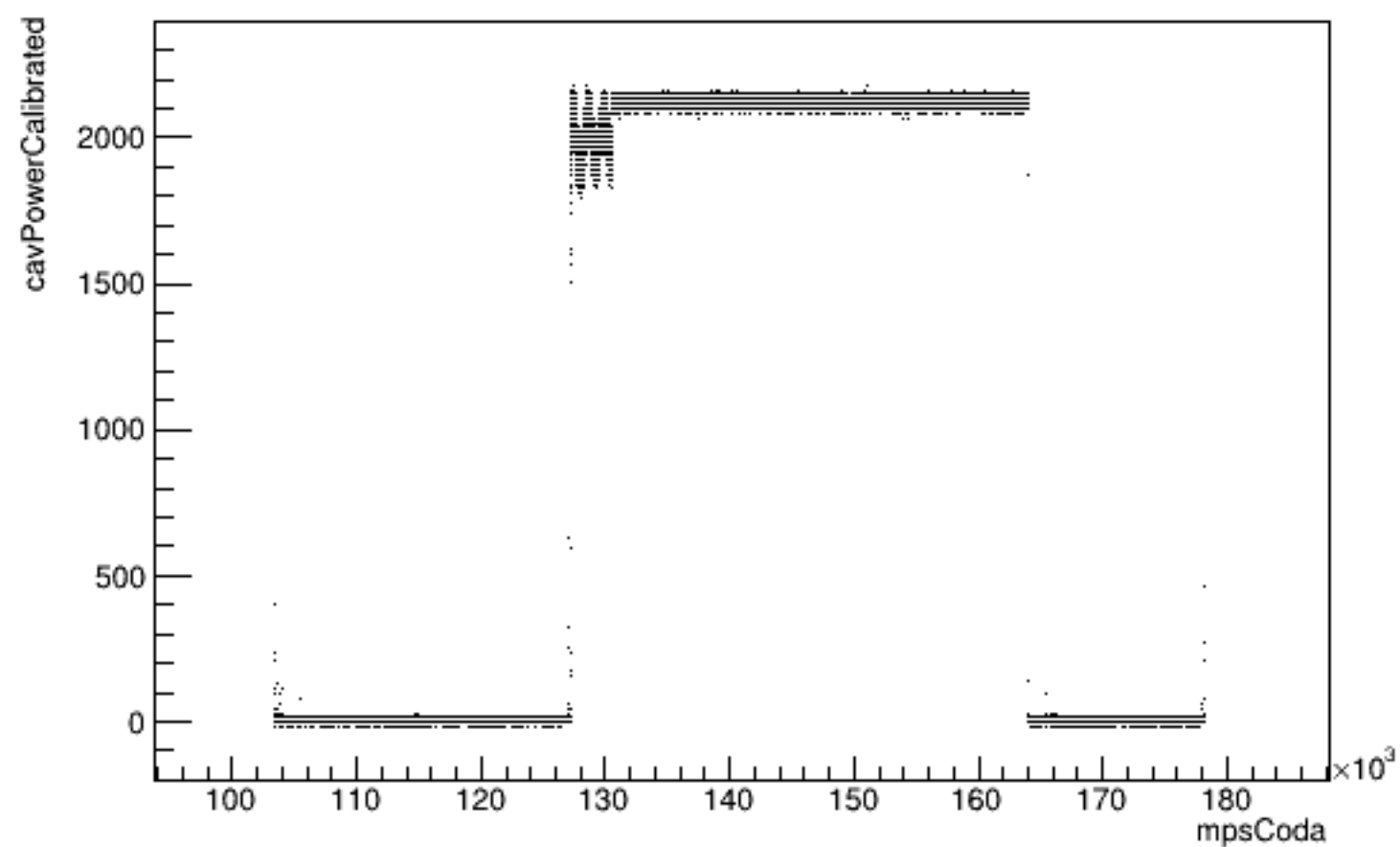
laserState:mpsCoda {mpsCoda&gt;=103384 &amp;&amp; mpsCoda&lt;=178183}



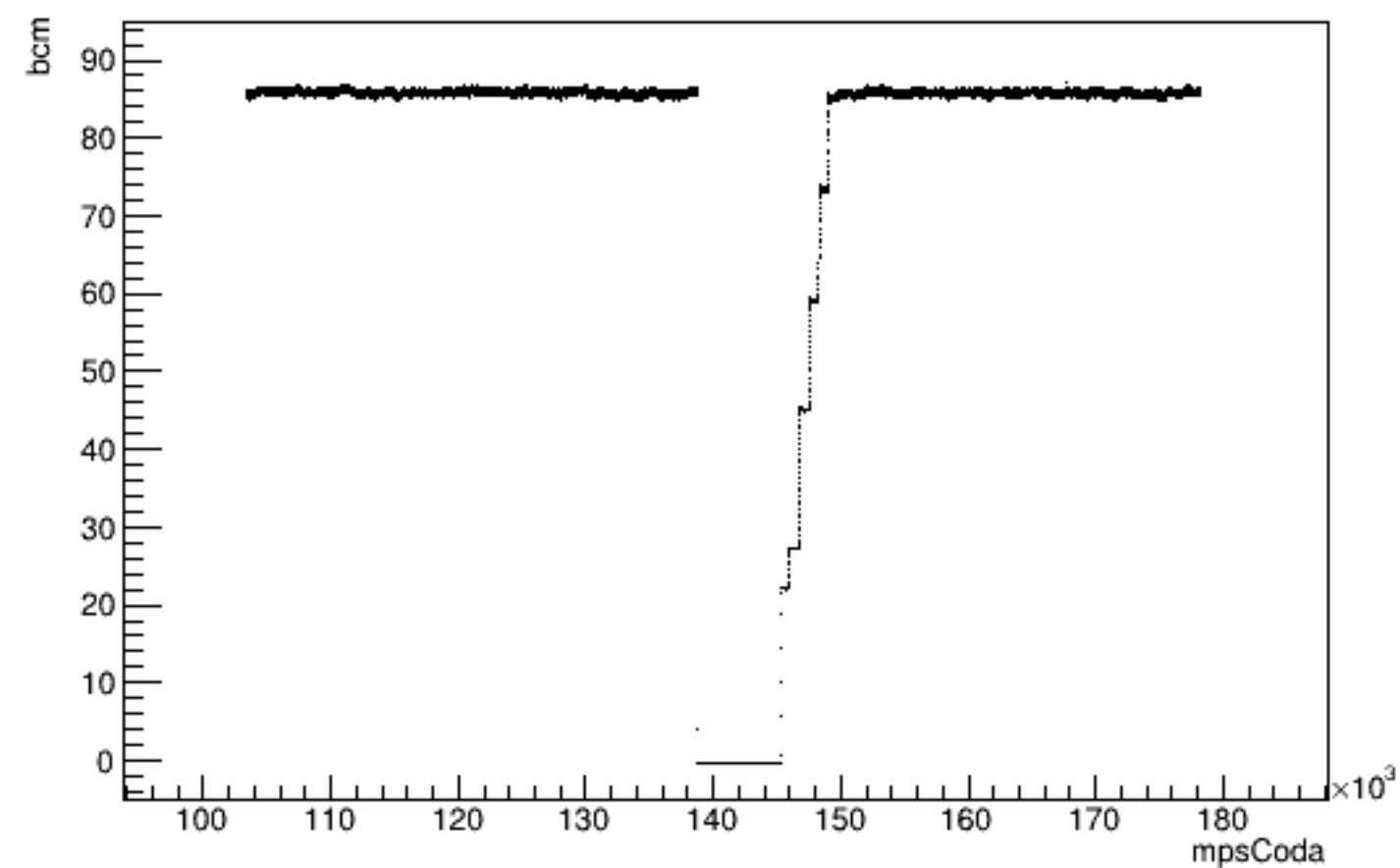
beamState + 1:mpsCoda {mpsCoda&gt;=103384 &amp;&amp; mpsCoda&lt;=178183}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=103384 &amp;&amp; mpsCoda&lt;=178183}



bcm:mpsCoda {mpsCoda&gt;=103384 &amp;&amp; mpsCoda&lt;=178183}



## Cycle 4, Diffs

Entries: 1748

Mean: -0.0013 +/- 0.0045

Std Dev: 0.1902 +/- 0.0032

Entries: 4546

Mean: 0.1371 +/- 0.0041

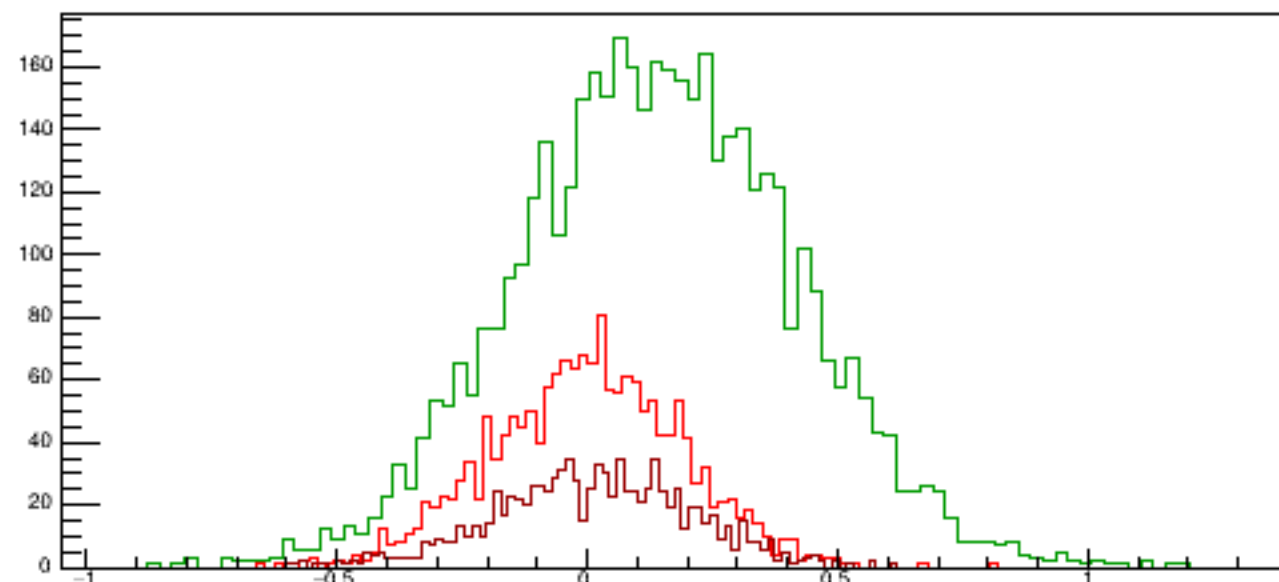
Std Dev: 0.2766 +/- 0.0029

Entries: 984

Mean: 0.0123 +/- 0.0063

Std Dev: 0.1968 +/- 0.0044

Run 4611 quartetwise, Diffs



## Cycle 4, Sums

Entries: 1748

Mean: 14.9715 +/- 0.0055

Std Dev: 0.2303 +/- 0.0039

Entries: 4546

Mean: 23.4688 +/- 0.0062

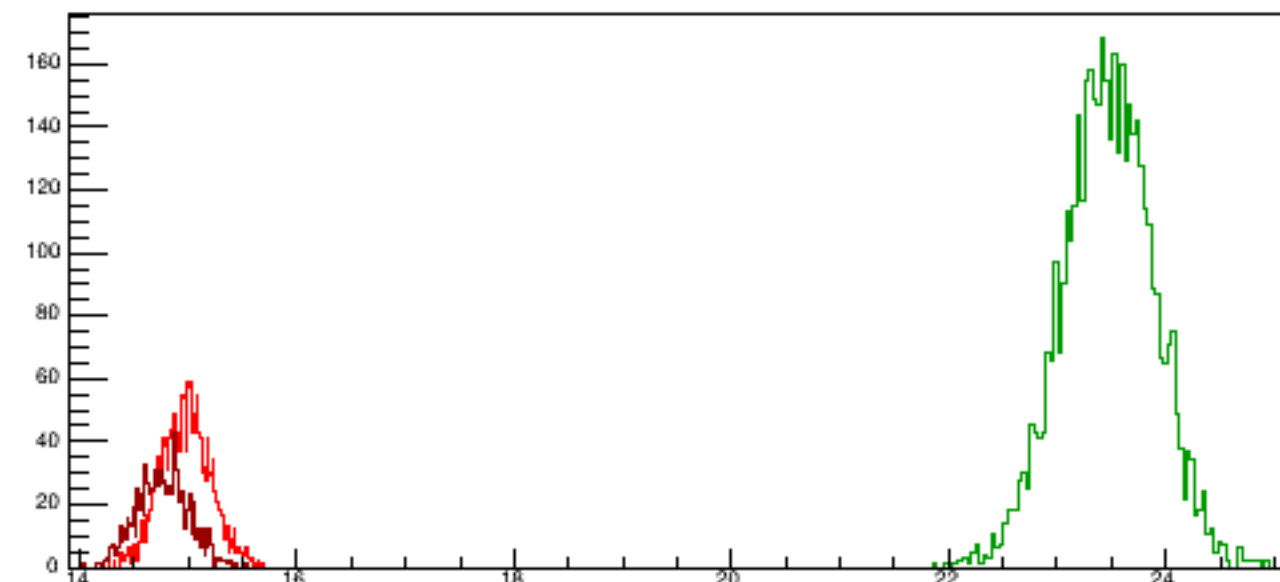
Std Dev: 0.4207 +/- 0.0044

Entries: 984

Mean: 14.7623 +/- 0.0074

Std Dev: 0.2329 +/- 0.0052

Run 4611 quartetwise, Sums



## Cycle 4, Asyms

Entries: 1748

Mean: -0.0001 +/- 0.0005

Std Dev: 0.0221 +/- 0.0004

Entries: 4546

Mean: 0.0160 +/- 0.0005

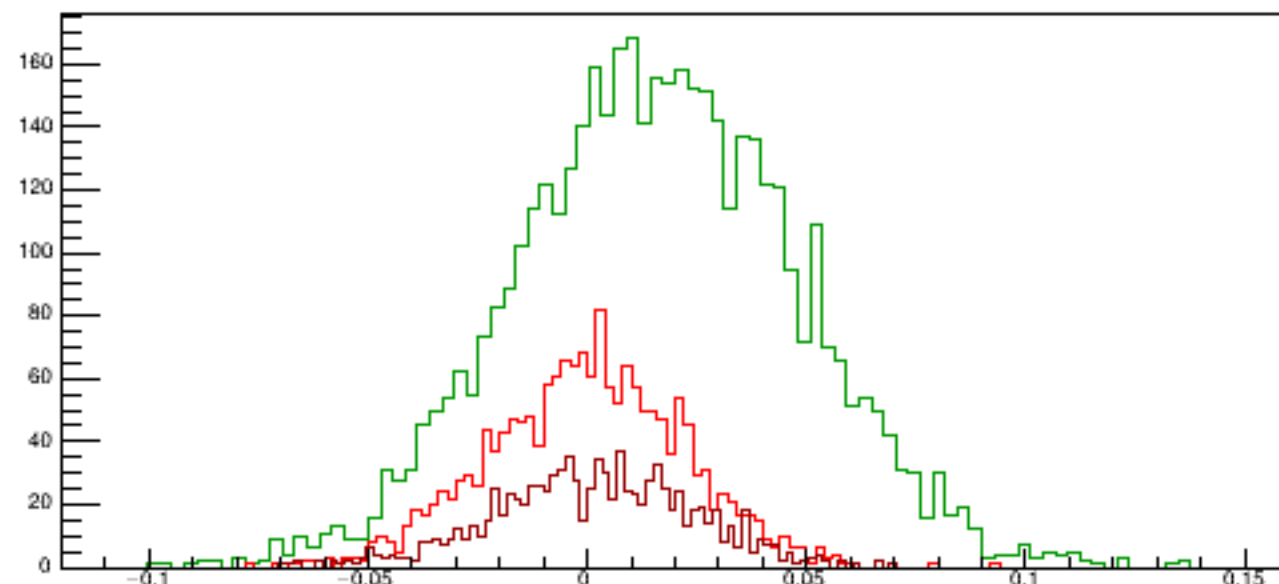
Std Dev: 0.0322 +/- 0.0003

Entries: 984

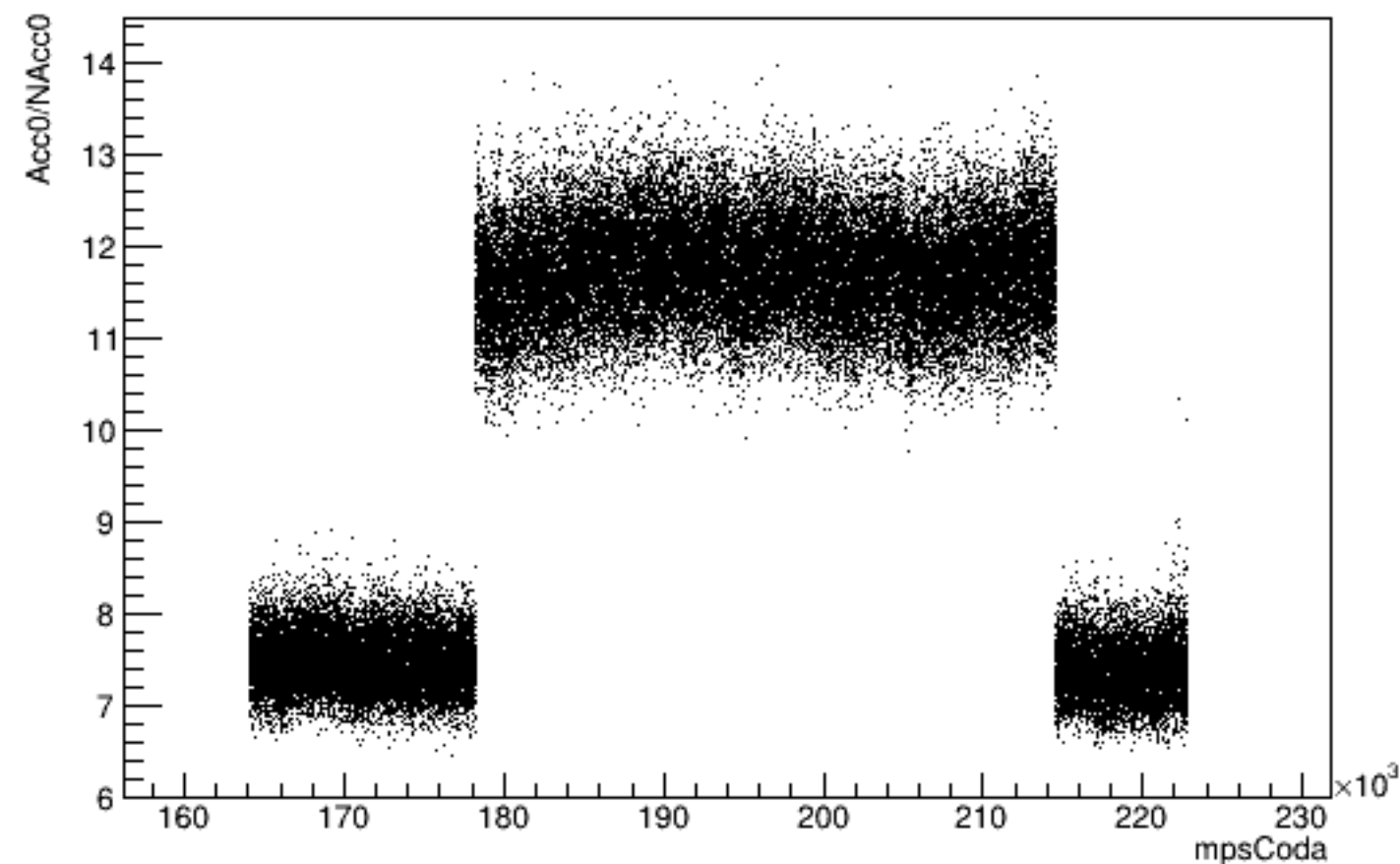
Mean: 0.0014 +/- 0.0007

Std Dev: 0.0229 +/- 0.0005

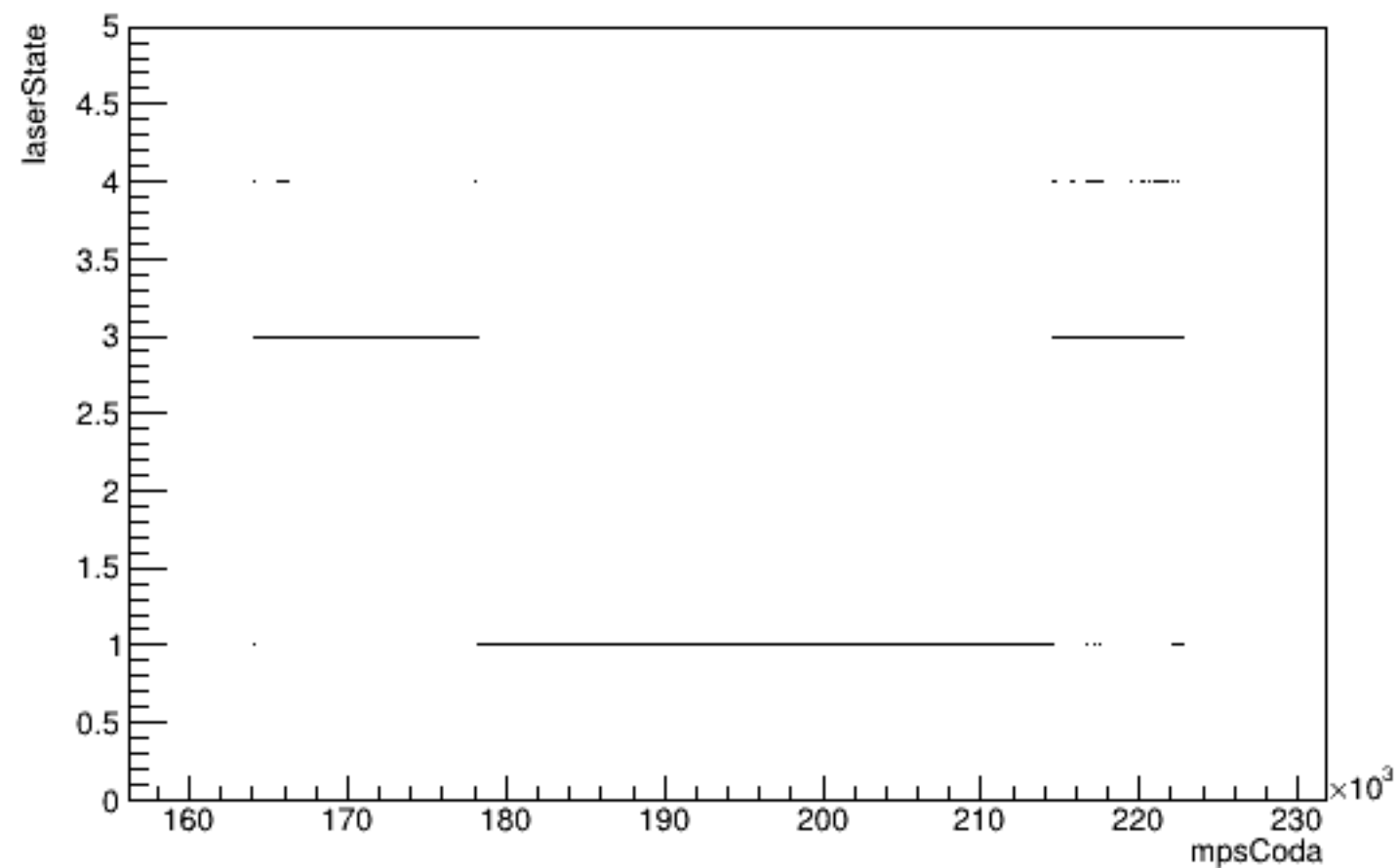
Run 4611 quartetwise, Asyms



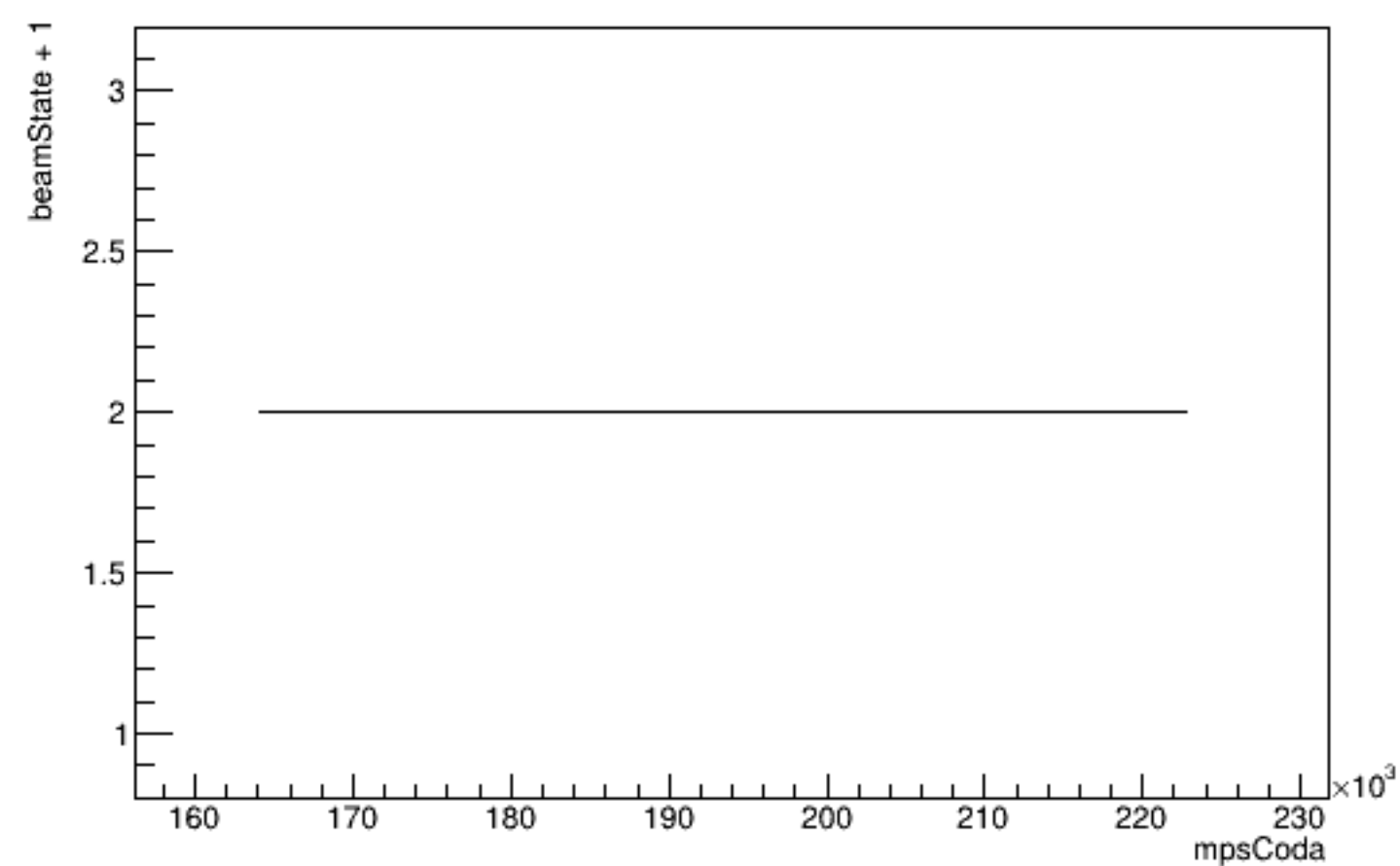
Acc0/NAcc0:mpsCoda {mpsCoda>=164072 && mpsCoda<=222807 && beamState==1}



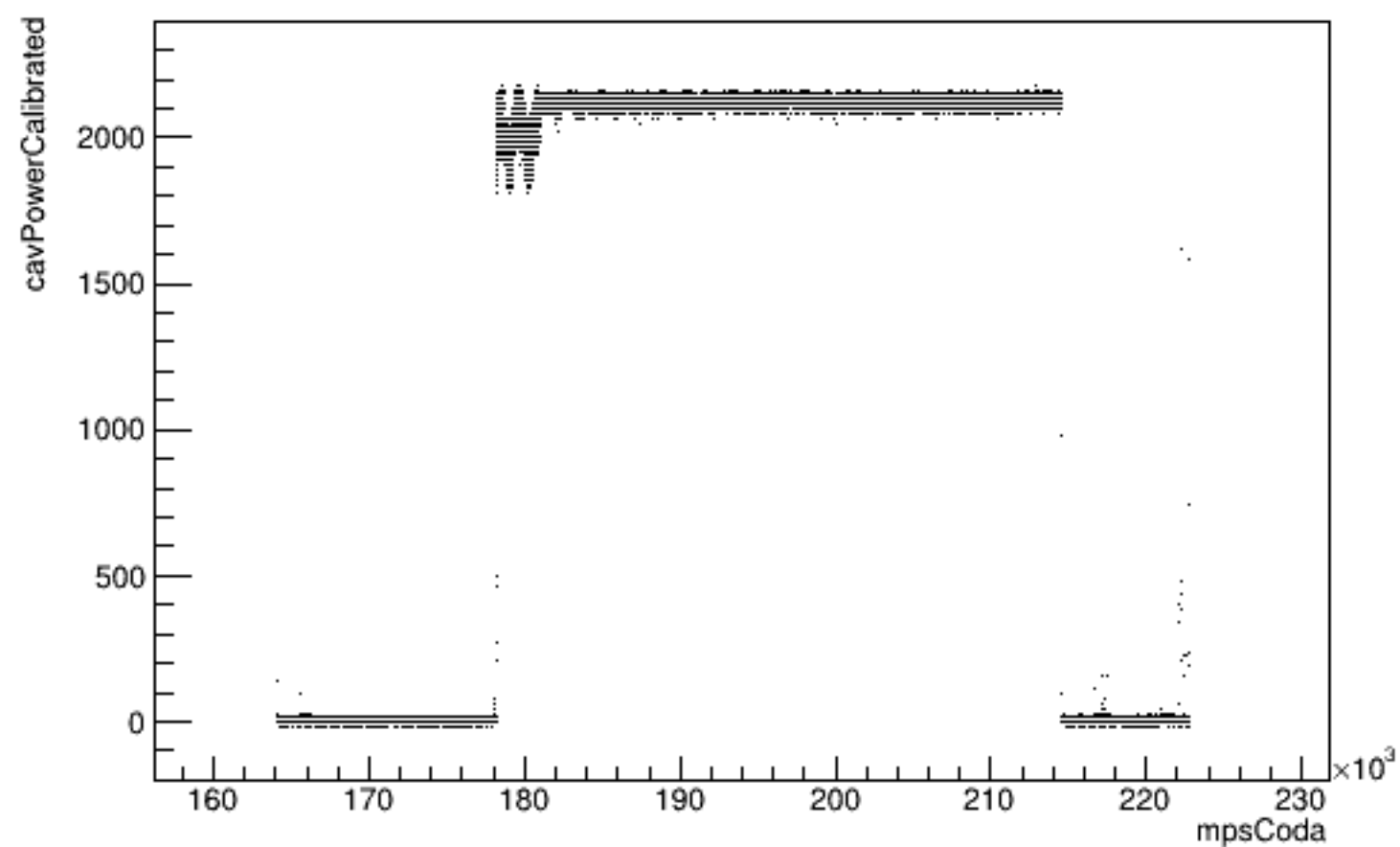
laserState:mpsCoda {mpsCoda&gt;=164072 &amp;&amp; mpsCoda&lt;=222807}



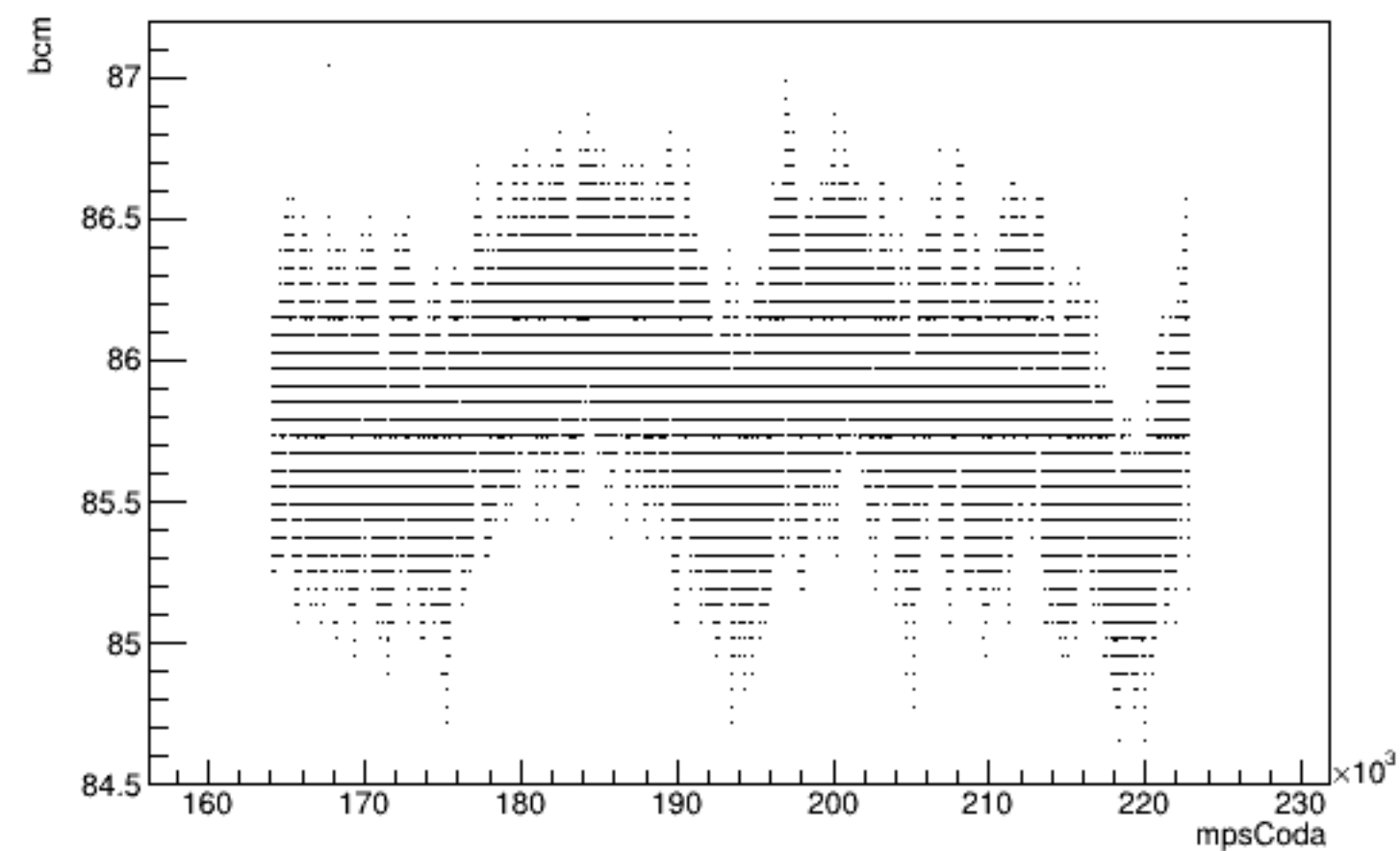
beamState + 1:mpsCoda {mpsCoda&gt;=164072 &amp;&amp; mpsCoda&lt;=222807}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=164072 &amp;&amp; mpsCoda&lt;=222807}



bcm:mpsCoda {mpsCoda&gt;=164072 &amp;&amp; mpsCoda&lt;=222807}



## Cycle 5, Diffs

Entries: 3062

Mean: -0.0023 +/- 0.0035

Std Dev: 0.1960 +/- 0.0025

Entries: 755

Mean: 0.1152 +/- 0.0104

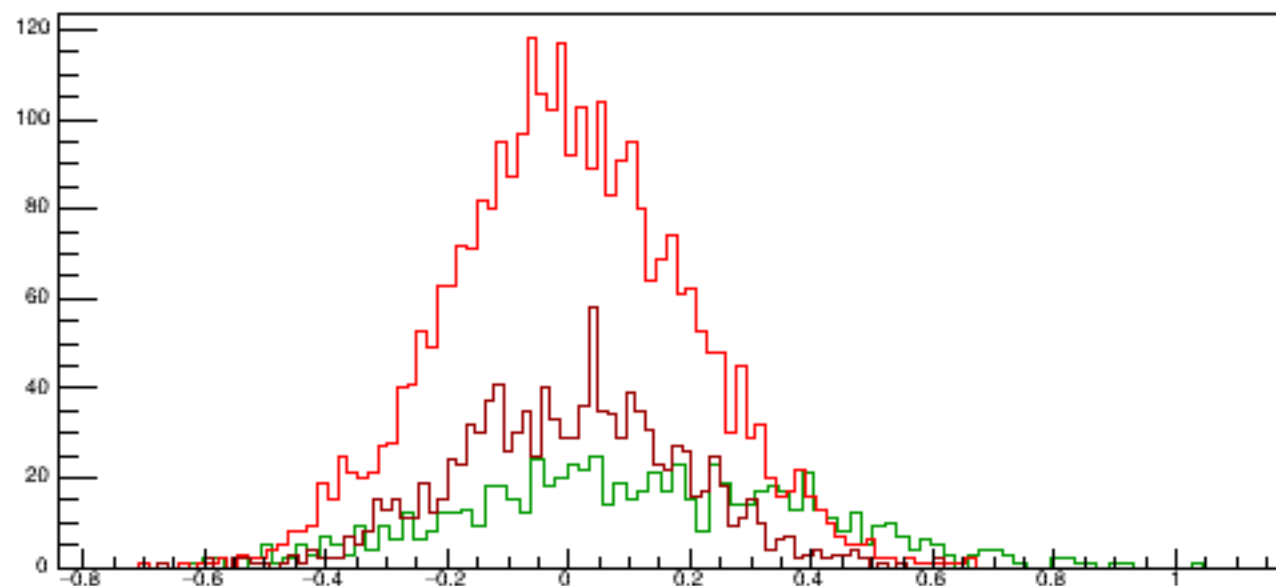
Std Dev: 0.2849 +/- 0.0073

Entries: 1149

Mean: 0.0018 +/- 0.0056

Std Dev: 0.1894 +/- 0.0040

Run 4611 quartetwise, Diffs



## Cycle 5, Sums

Entries: 3062

Mean: 15.0270 +/- 0.0057

Std Dev: 0.3179 +/- 0.0041

Entries: 755

Mean: 23.5528 +/- 0.0163

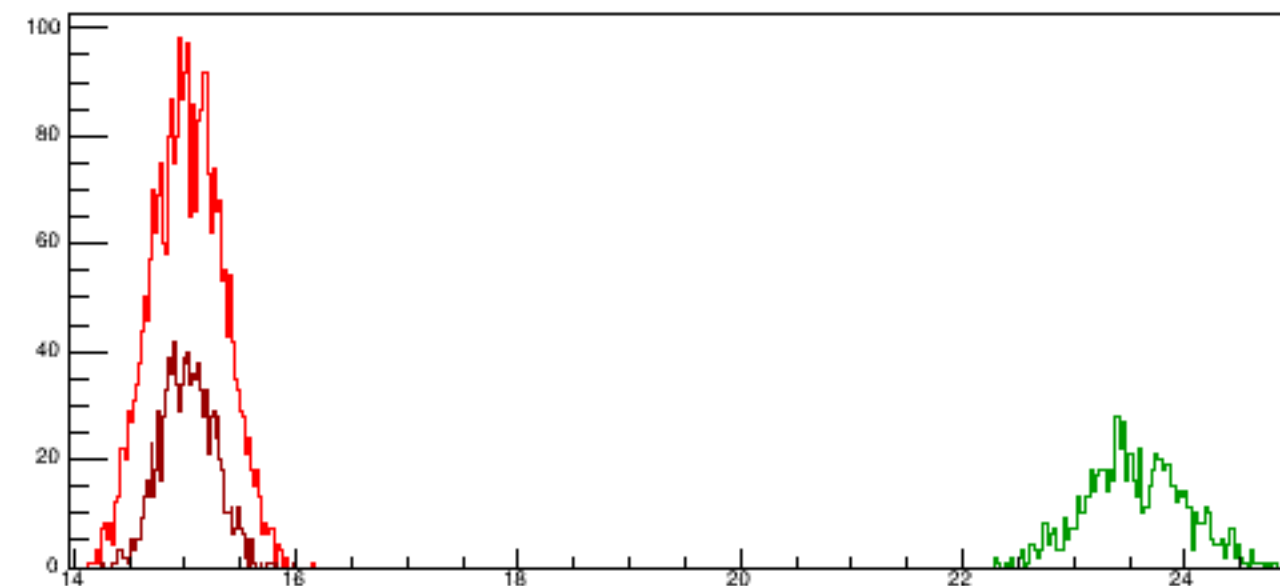
Std Dev: 0.4477 +/- 0.0115

Entries: 1149

Mean: 15.0278 +/- 0.0071

Std Dev: 0.2413 +/- 0.0050

Run 4611 quartetwise, Sums



## Cycle 5, Asyms

Entries: 3062

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0230 +/- 0.0003

Entries: 755

Mean: 0.0136 +/- 0.0012

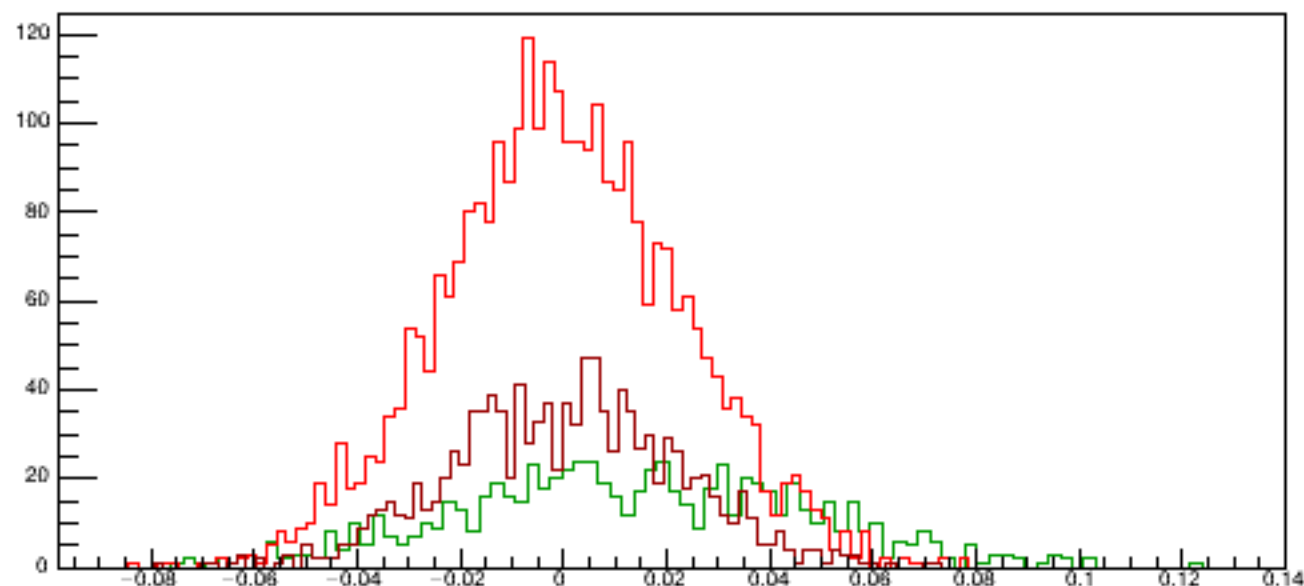
Std Dev: 0.0335 +/- 0.0009

Entries: 1149

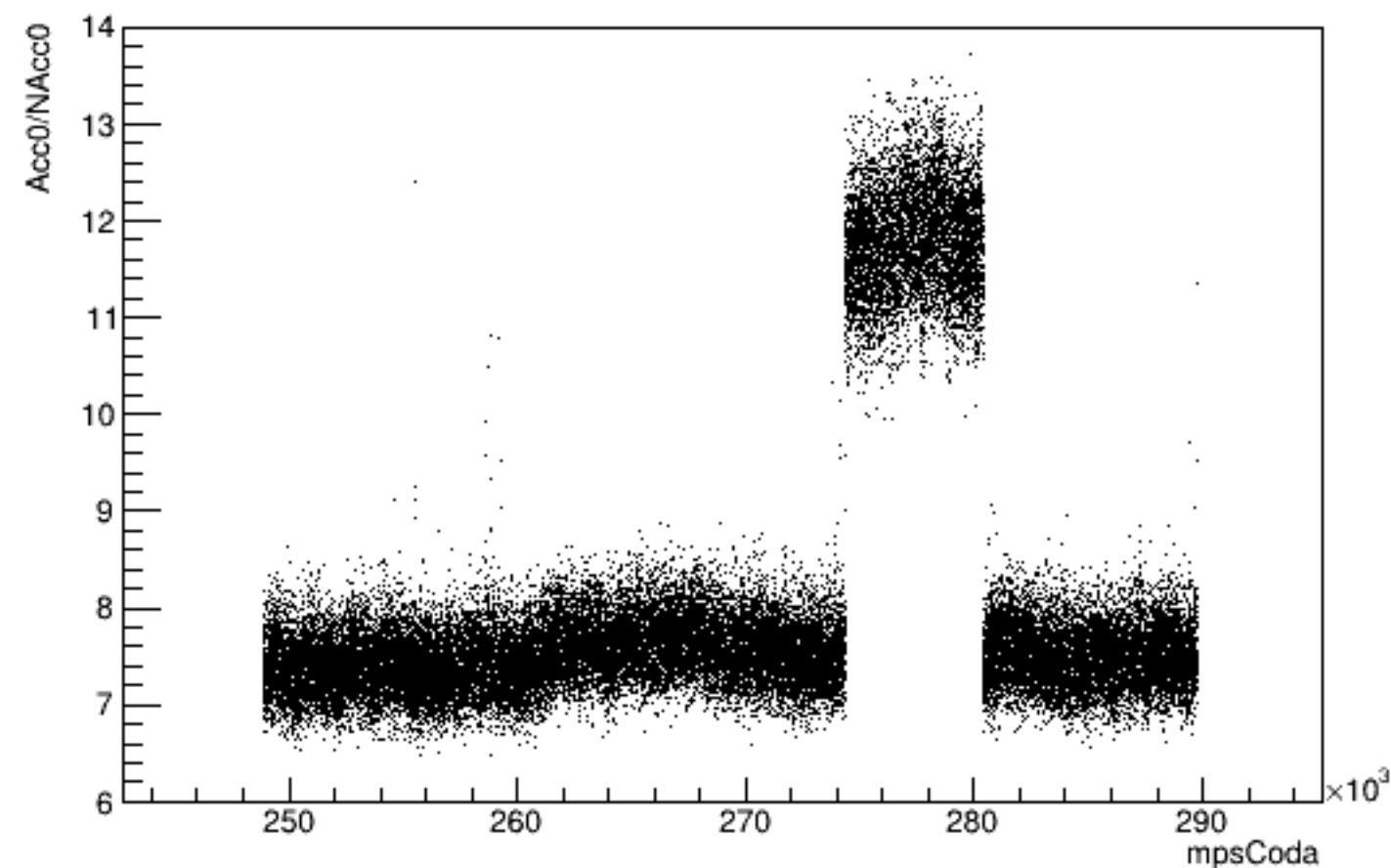
Mean: 0.0002 +/- 0.0007

Std Dev: 0.0222 +/- 0.0005

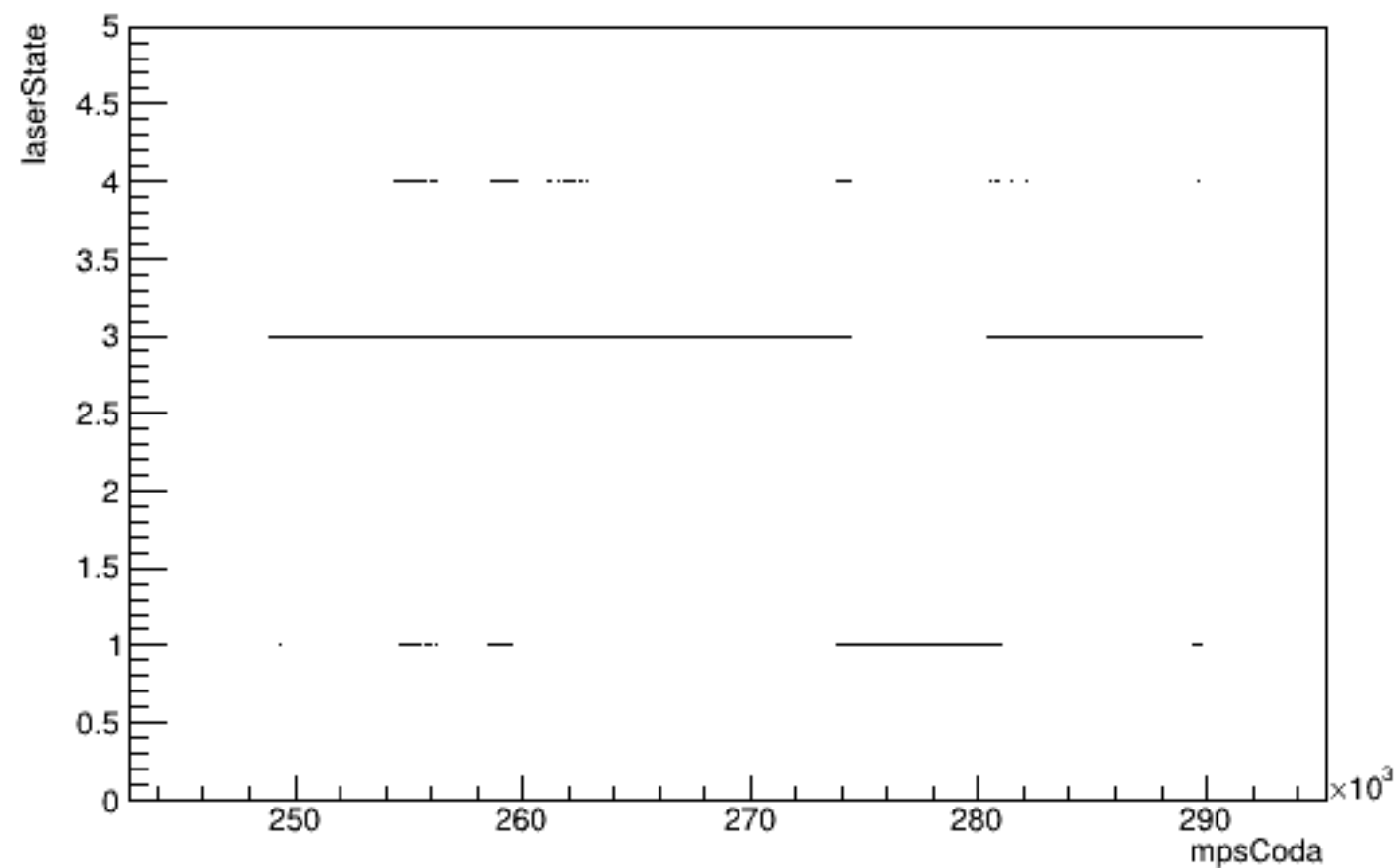
Run 4611 quartetwise, Asyms



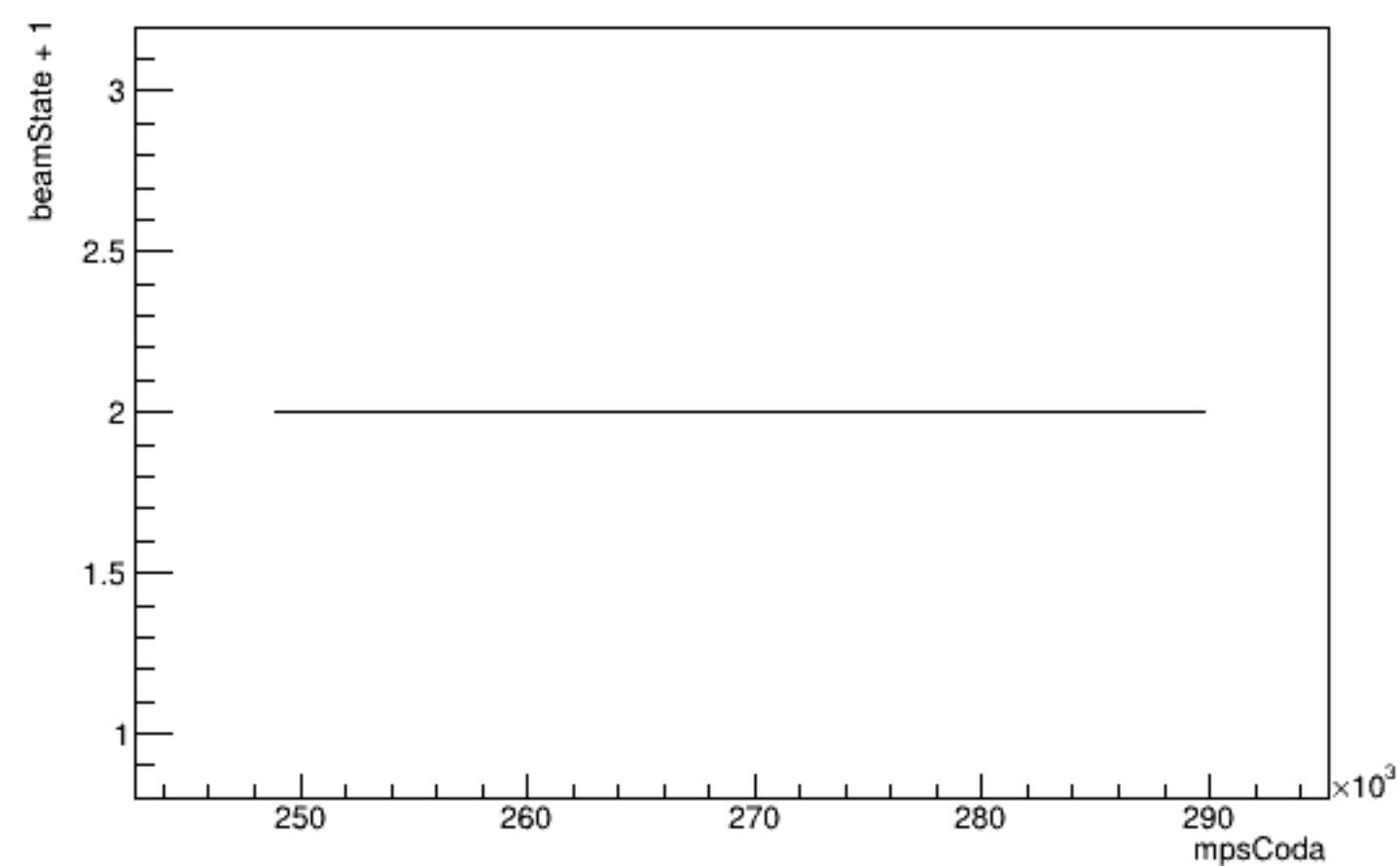
Acc0/NAcc0:mpsCoda {mpsCoda>=248880 && mpsCoda<=289767 && beamState==1}



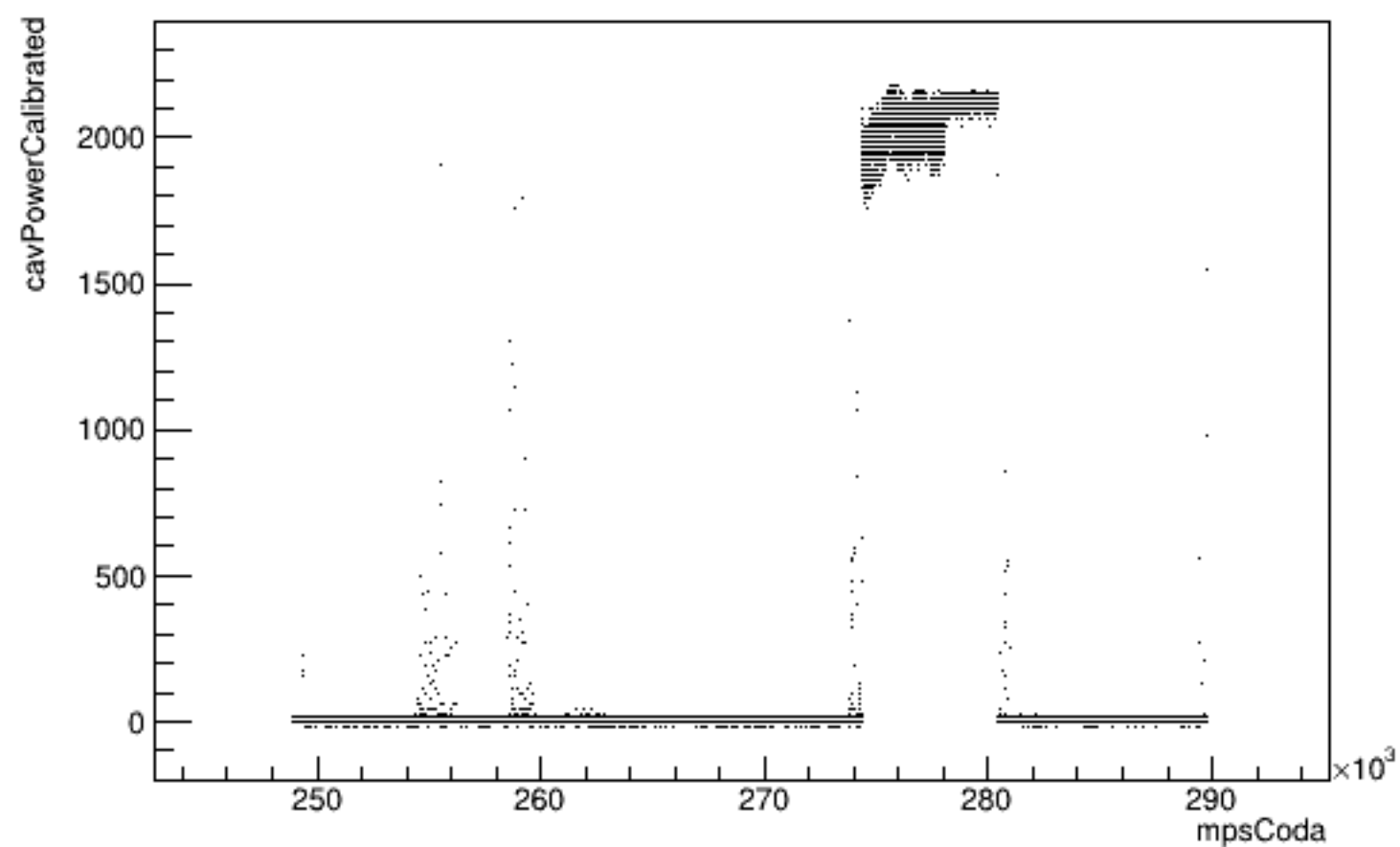
laserState:mpsCoda {mpsCoda&gt;=248880 &amp;&amp; mpsCoda&lt;=289767}



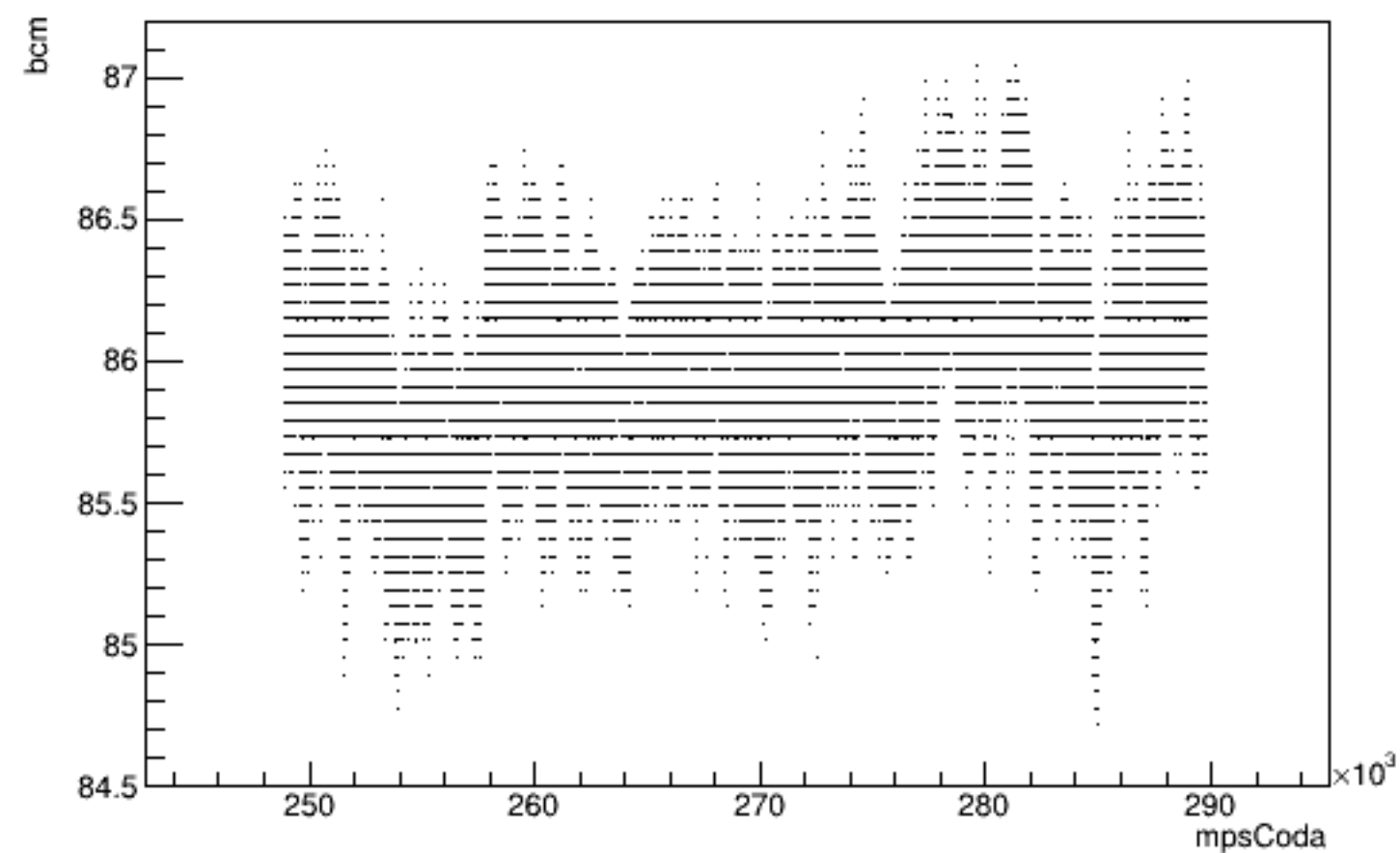
beamState + 1:mpsCoda {mpsCoda&gt;=248880 &amp;&amp; mpsCoda&lt;=289767}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=248880 &amp;&amp; mpsCoda&lt;=289767}



bcm:mpsCoda {mpsCoda&gt;=248880 &amp;&amp; mpsCoda&lt;=289767}



## Cycle 6, Diffs

Entries: 1149

Mean: 0.0018 +/- 0.0056

Std Dev: 0.1894 +/- 0.0040

Entries: 2735

Mean: 0.1201 +/- 0.0054

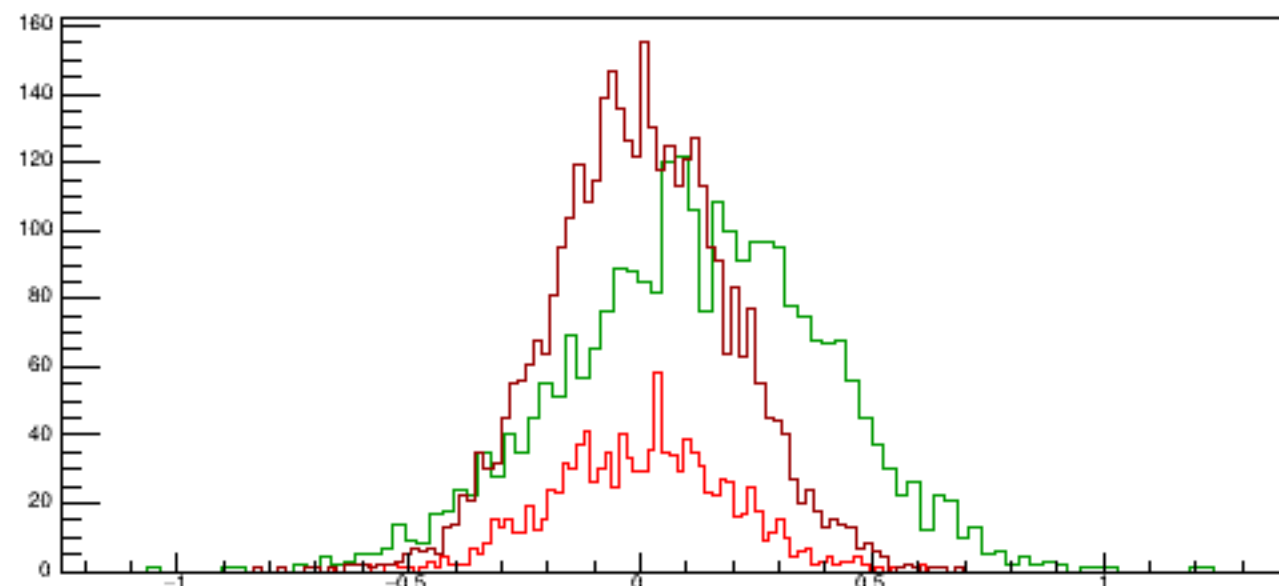
Std Dev: 0.2830 +/- 0.0038

Entries: 3692

Mean: 0.0001 +/- 0.0032

Std Dev: 0.1949 +/- 0.0023

Run 4611 quartetwise, Diffs



## Cycle 6, Sums

Entries: 1149

Mean: 15.0278 +/- 0.0071

Std Dev: 0.2413 +/- 0.0050

Entries: 2735

Mean: 23.6524 +/- 0.0080

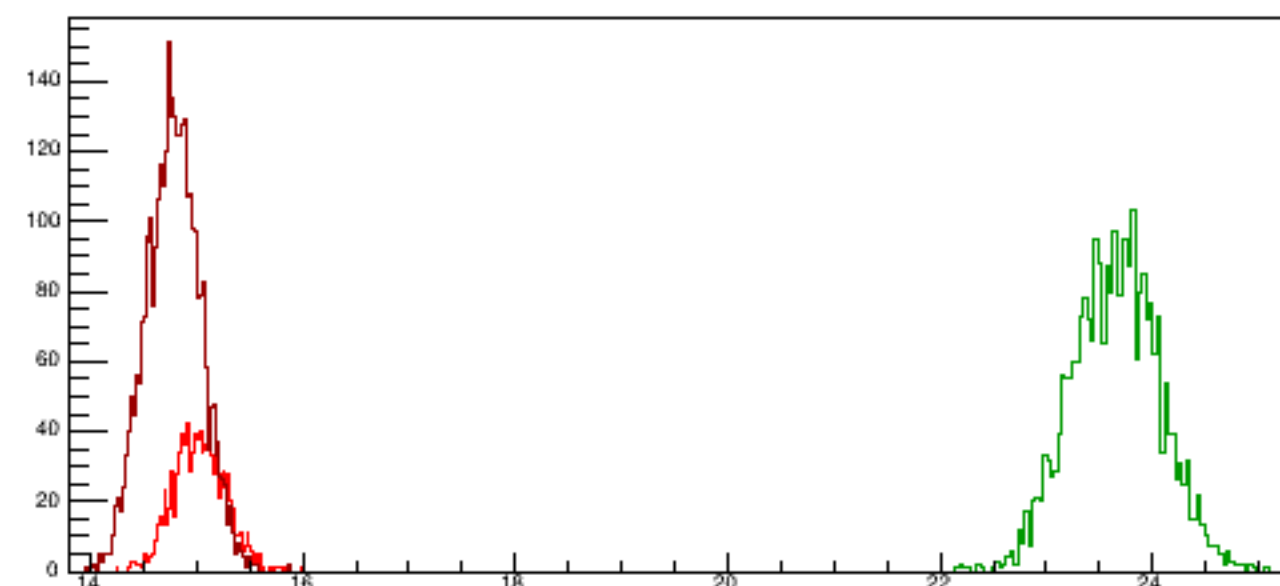
Std Dev: 0.4164 +/- 0.0056

Entries: 3692

Mean: 14.7800 +/- 0.0042

Std Dev: 0.2547 +/- 0.0030

Run 4611 quartetwise, Sums



## Cycle 6, Asyms

Entries: 1149

Mean: 0.0002 +/- 0.0006

Std Dev: 0.0216 +/- 0.0005

Entries: 2735

Mean: 0.0138 +/- 0.0006

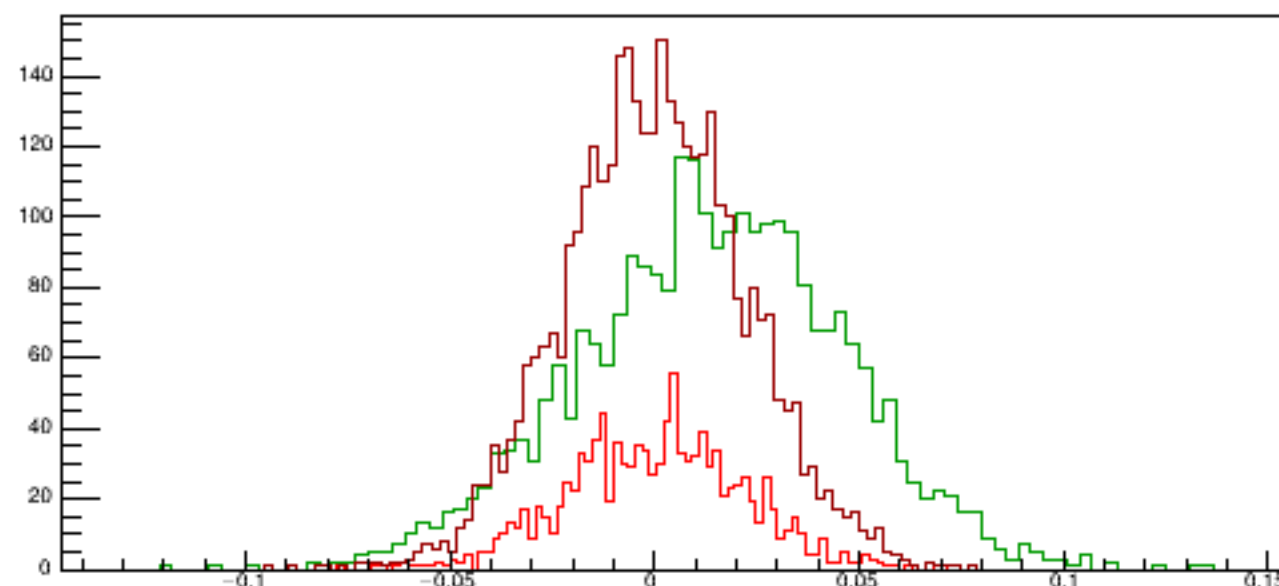
Std Dev: 0.0324 +/- 0.0004

Entries: 3692

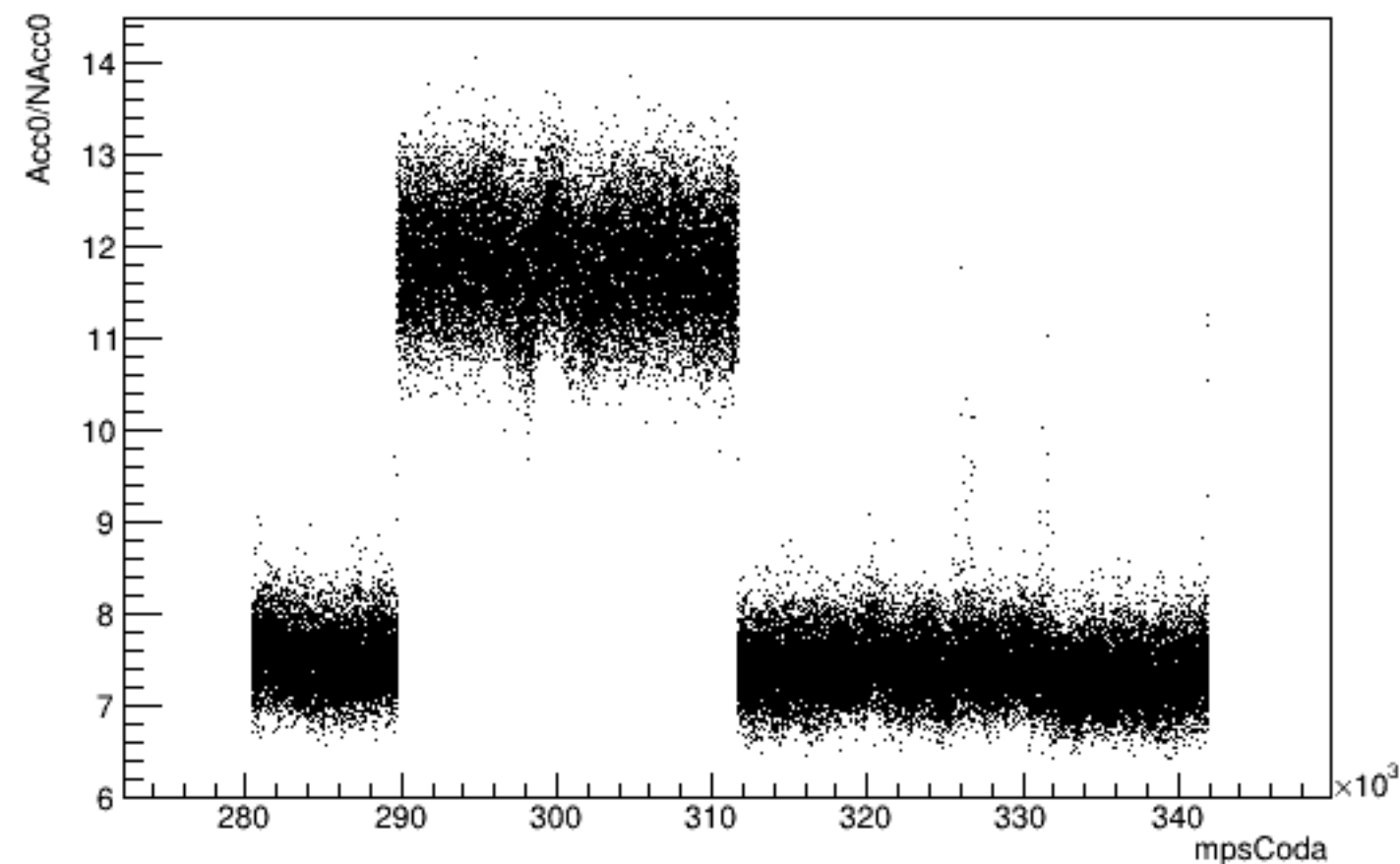
Mean: 0.0000 +/- 0.0004

Std Dev: 0.0223 +/- 0.0003

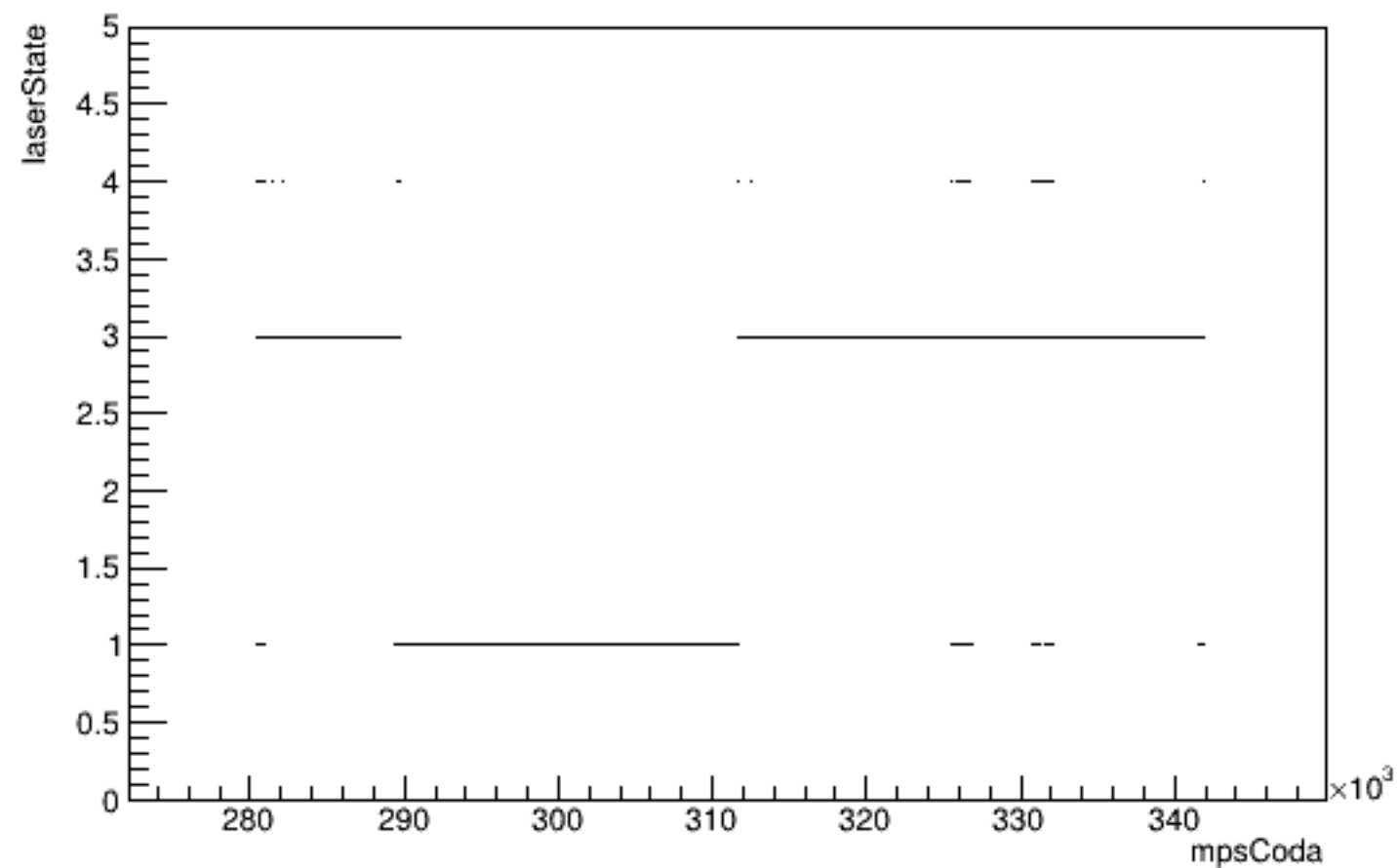
Run 4611 quartetwise, Asyms



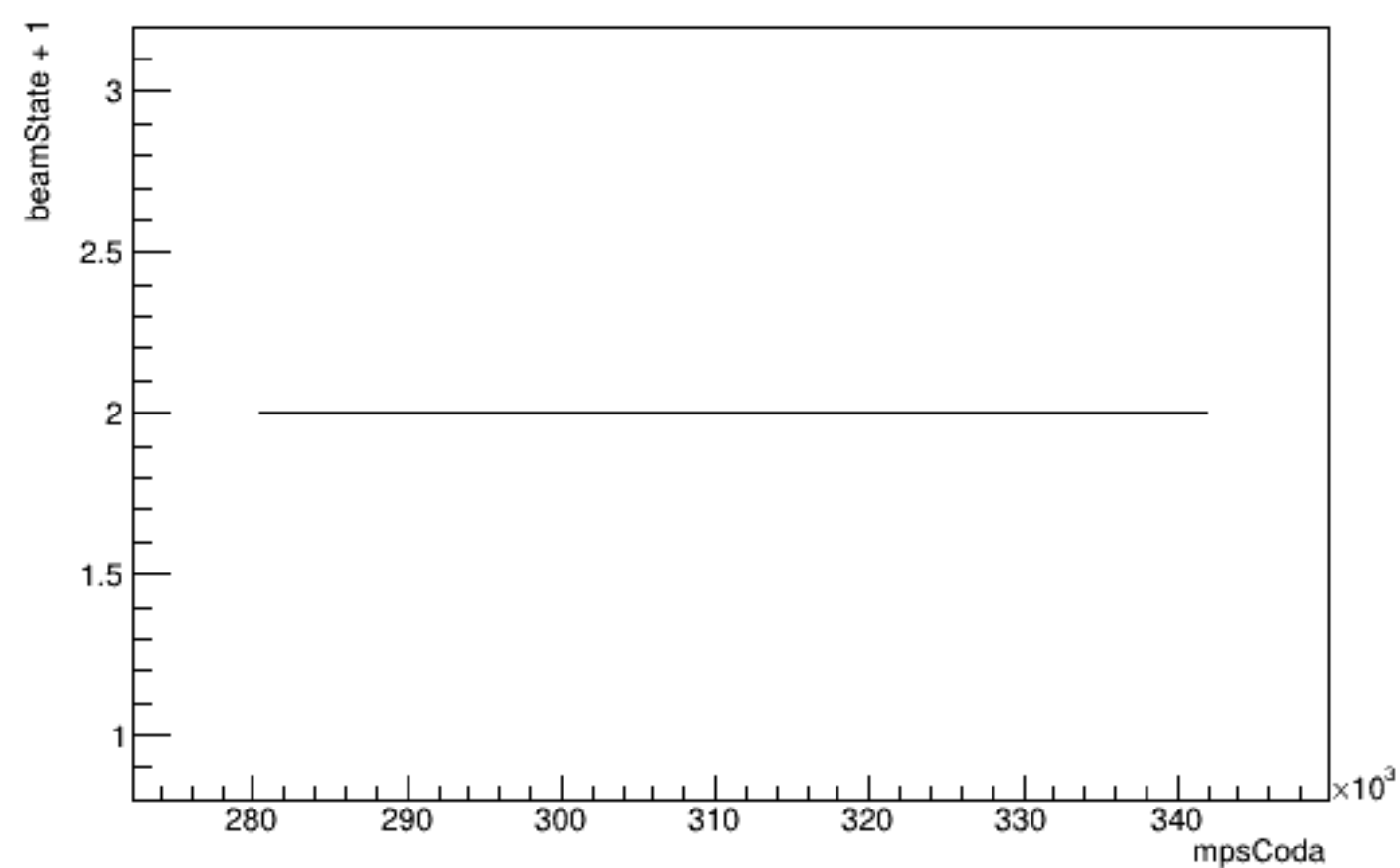
Acc0/NAcc0:mpsCoda {mpsCoda>=280400 && mpsCoda<=341951 && beamState==1}



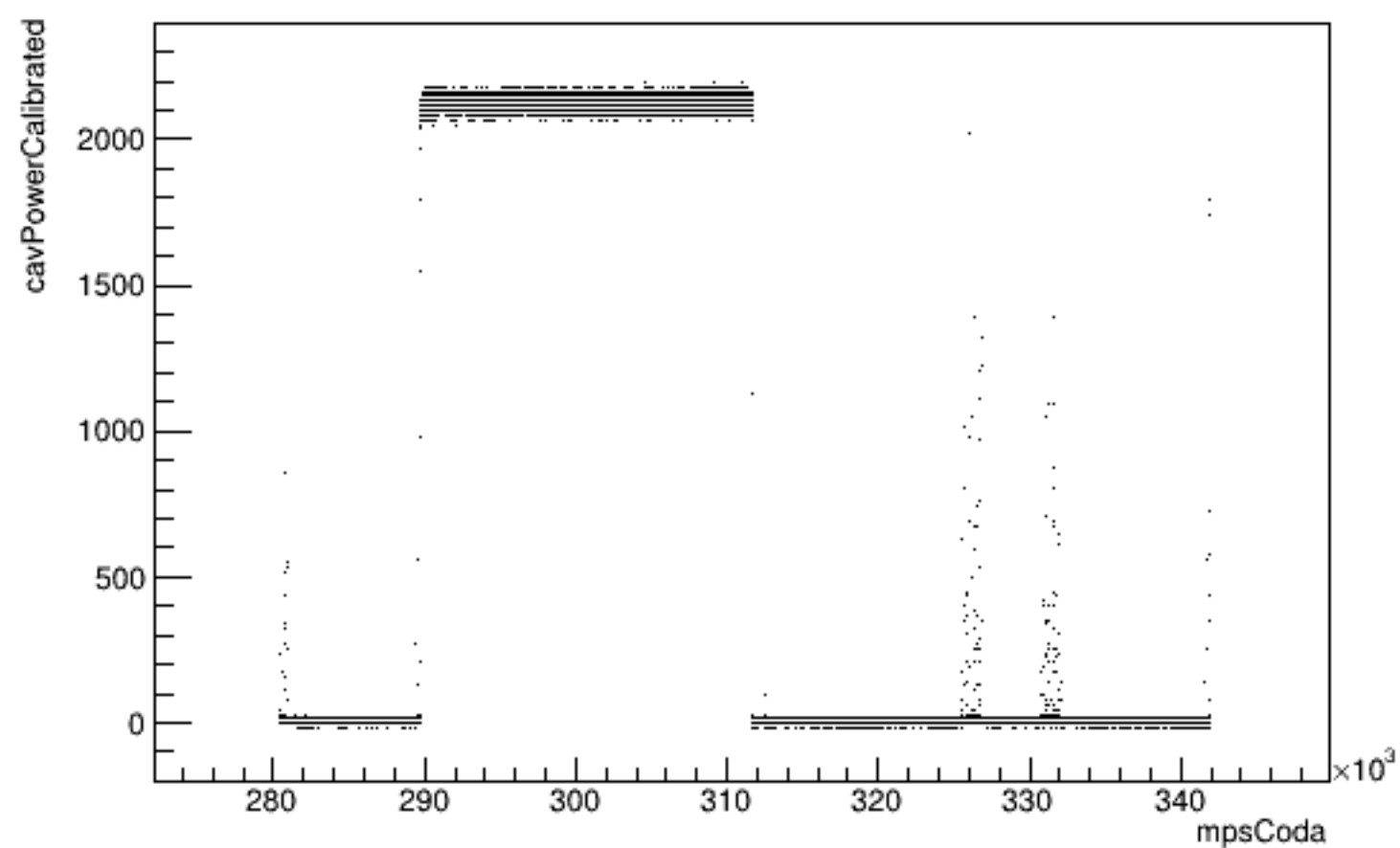
laserState:mpsCoda {mpsCoda&gt;=280400 &amp;&amp; mpsCoda&lt;=341951}



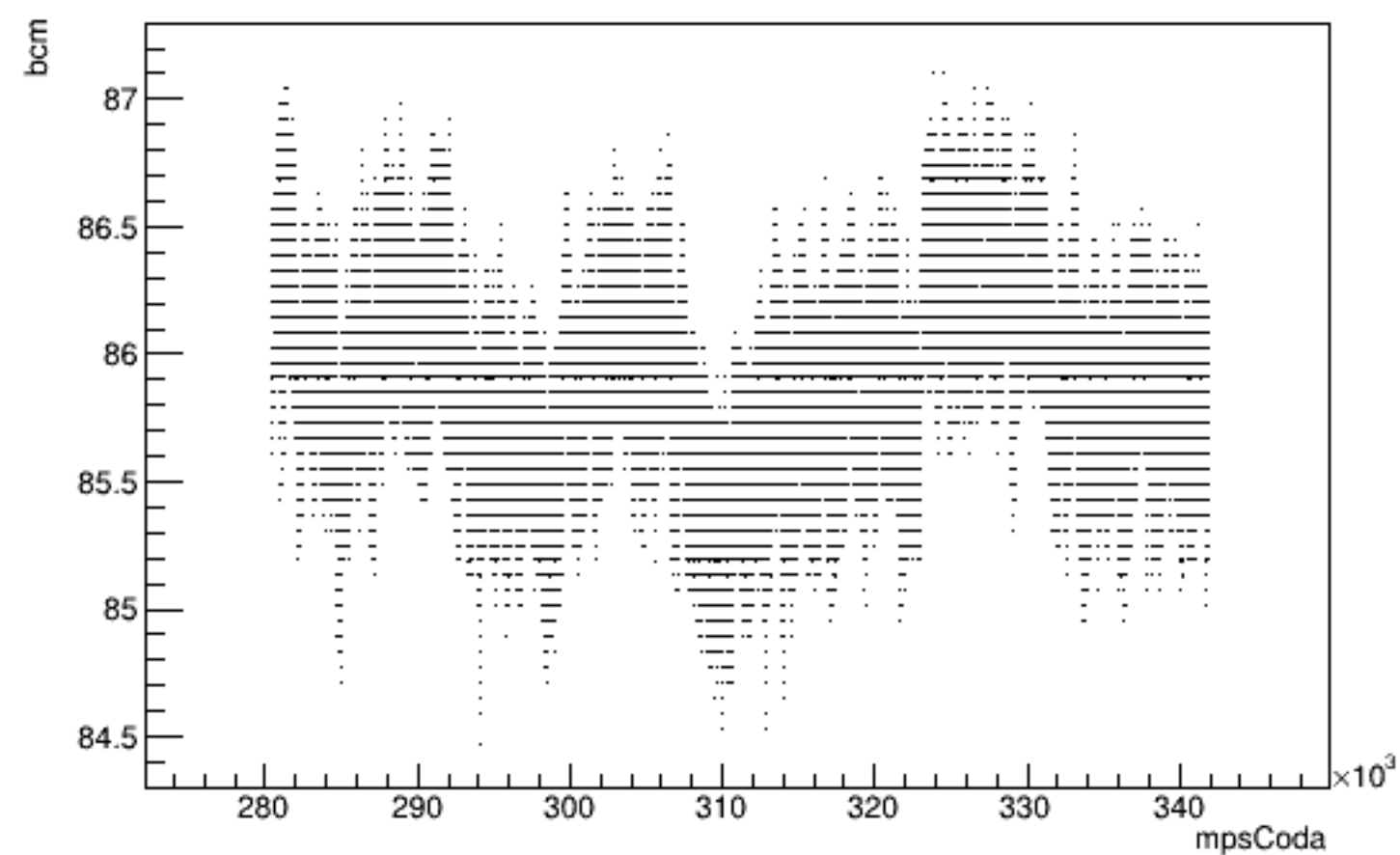
beamState + 1:mpsCoda {mpsCoda&gt;=280400 &amp;&amp; mpsCoda&lt;=341951}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=280400 &amp;&amp; mpsCoda&lt;=341951}



bcm:mpsCoda {mpsCoda&gt;=280400 &amp;&amp; mpsCoda&lt;=341951}



## Cycle 7, Diffs

Entries: 3692

Mean: 0.0001 +/- 0.0032

Std Dev: 0.1949 +/- 0.0023

Entries: 2765

Mean: 0.1309 +/- 0.0053

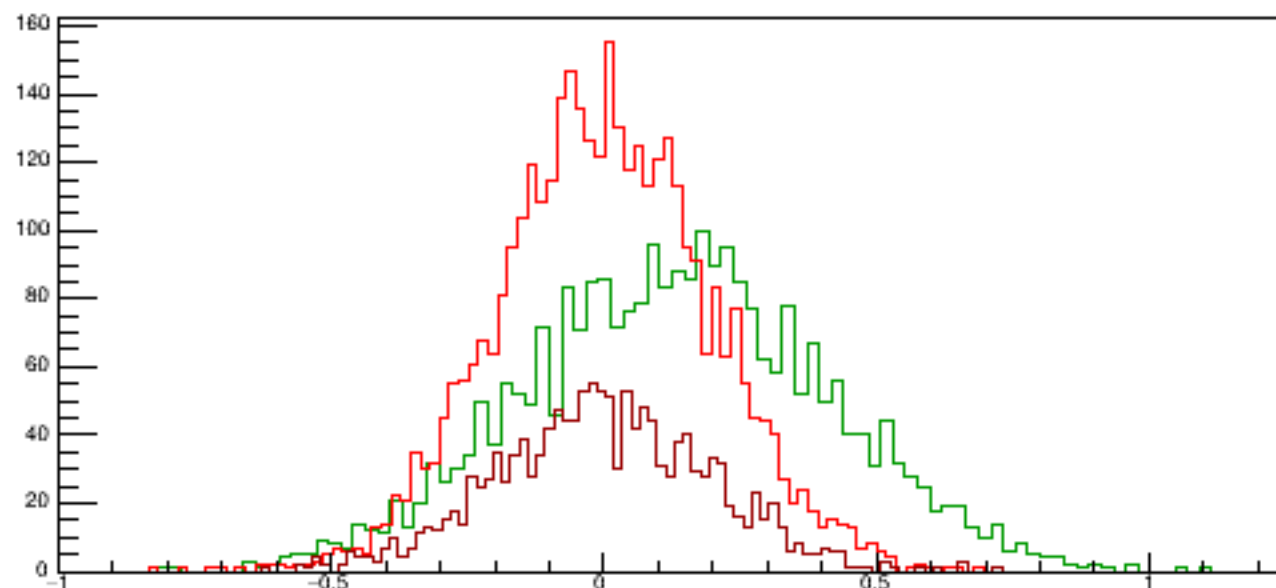
Std Dev: 0.2780 +/- 0.0037

Entries: 1456

Mean: -0.0017 +/- 0.0051

Std Dev: 0.1962 +/- 0.0036

Run 4611 quartetwise, Diffs



## Cycle 7, Sums

Entries: 3692

Mean: 14.7800 +/- 0.0042

Std Dev: 0.2547 +/- 0.0030

Entries: 2765

Mean: 23.1947 +/- 0.0103

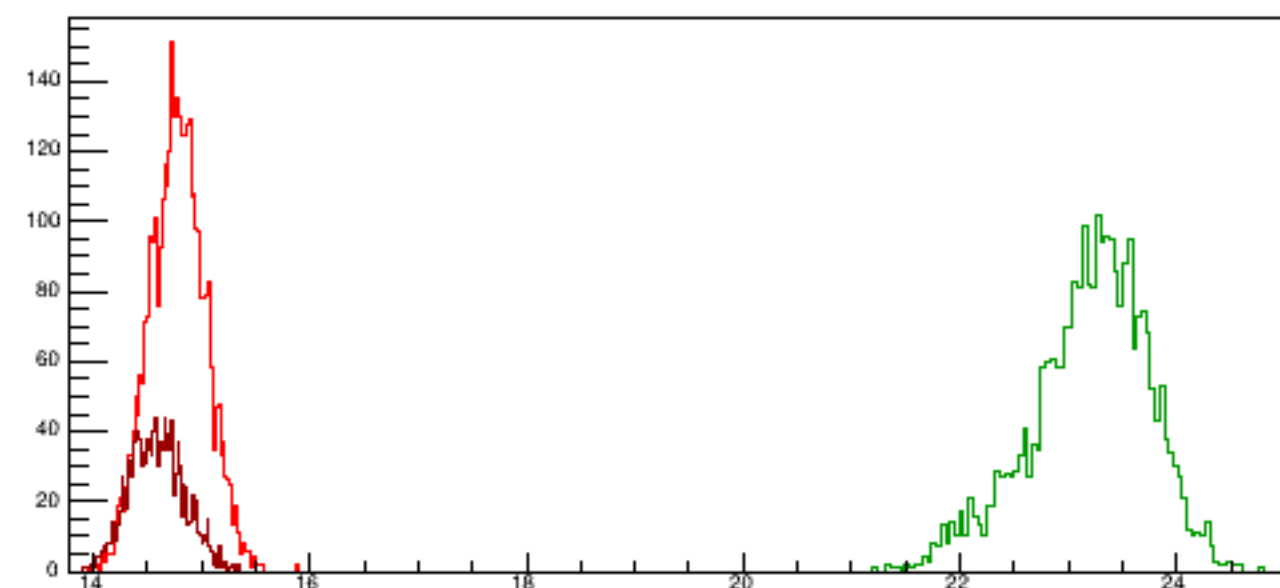
Std Dev: 0.5433 +/- 0.0073

Entries: 1456

Mean: 14.5938 +/- 0.0066

Std Dev: 0.2510 +/- 0.0047

Run 4611 quartetwise, Sums



## Cycle 7, Asyms

Entries: 3692

Mean: 0.0000 +/- 0.0004

Std Dev: 0.0229 +/- 0.0003

Entries: 2765

Mean: 0.0153 +/- 0.0006

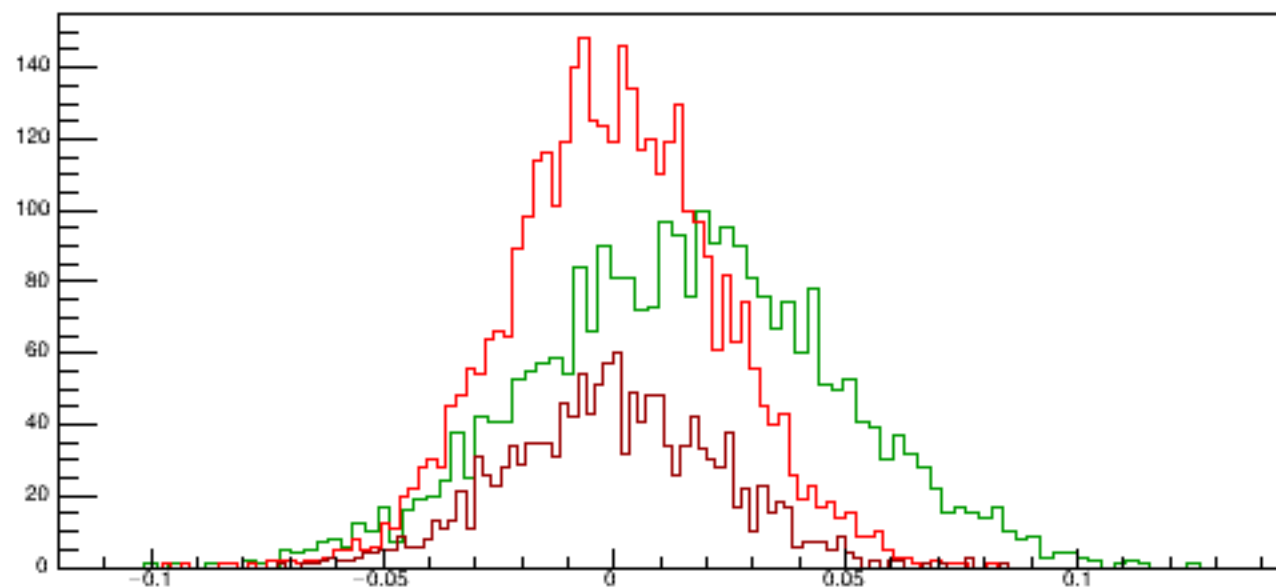
Std Dev: 0.0327 +/- 0.0004

Entries: 1456

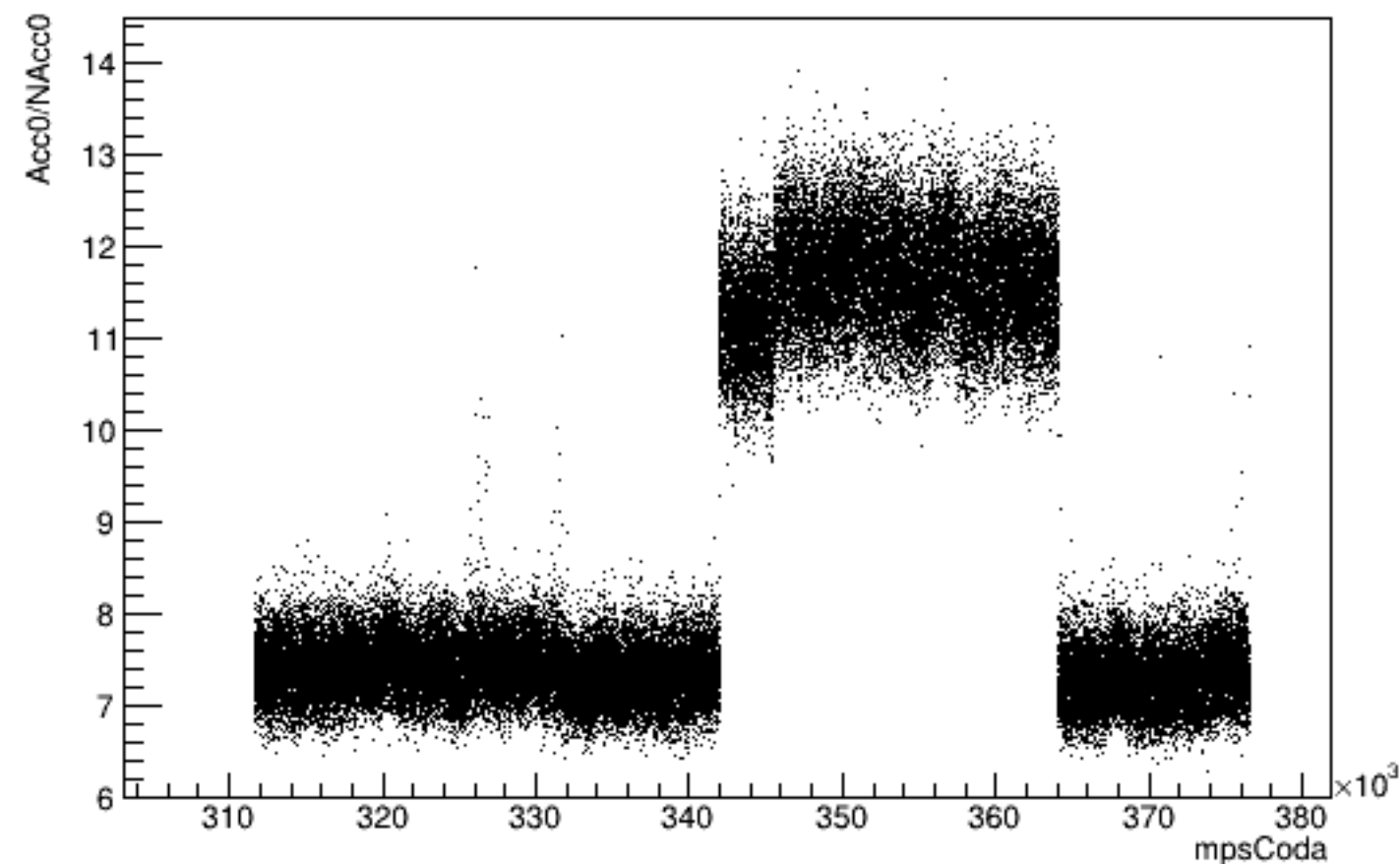
Mean: -0.0002 +/- 0.0006

Std Dev: 0.0231 +/- 0.0004

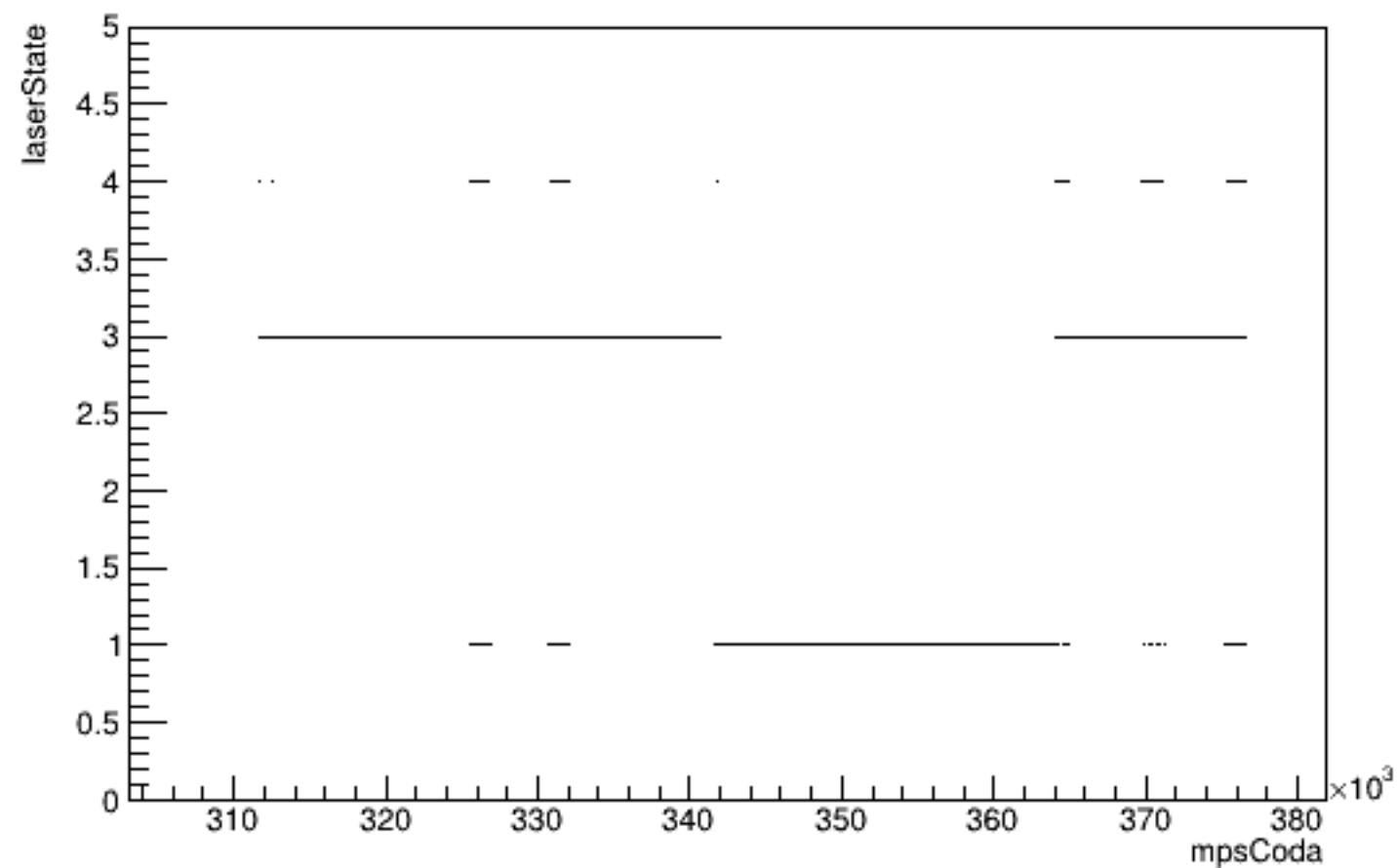
Run 4611 quartetwise, Asyms



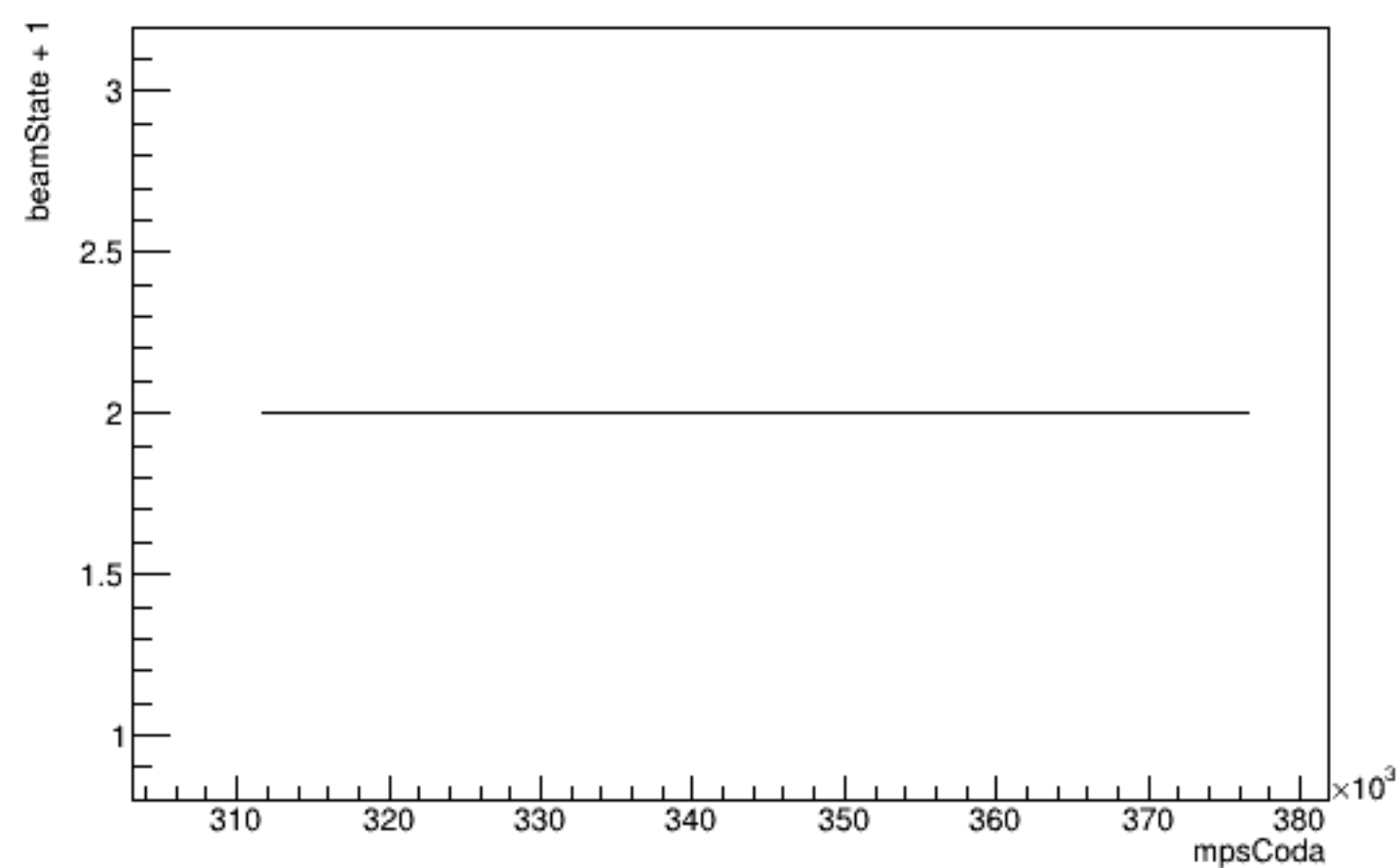
Acc0/NAcc0:mpsCoda {mpsCoda>=311656 && mpsCoda<=376527 && beamState==1}



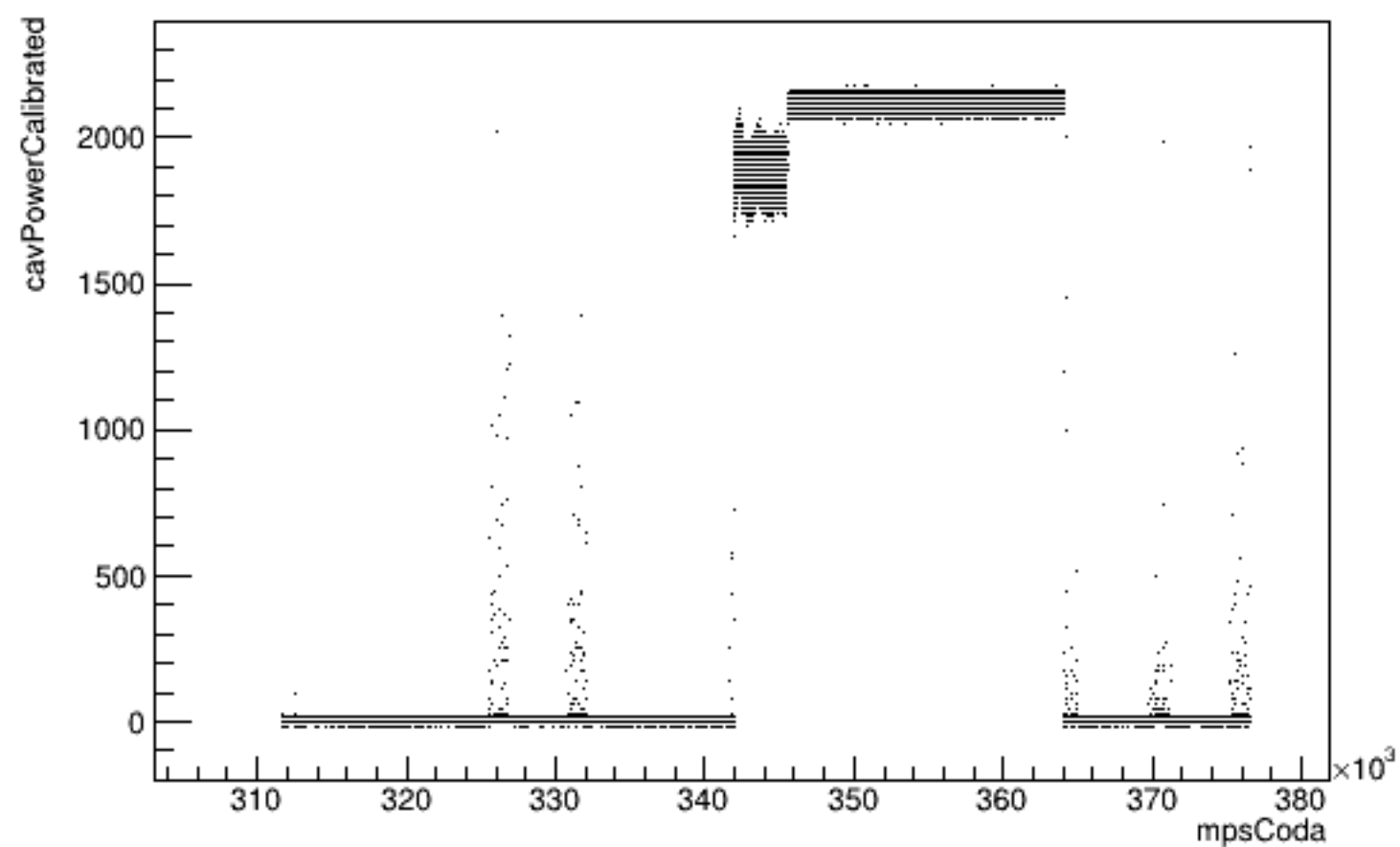
laserState:mpsCoda {mpsCoda&gt;=311656 &amp;&amp; mpsCoda&lt;=376527}



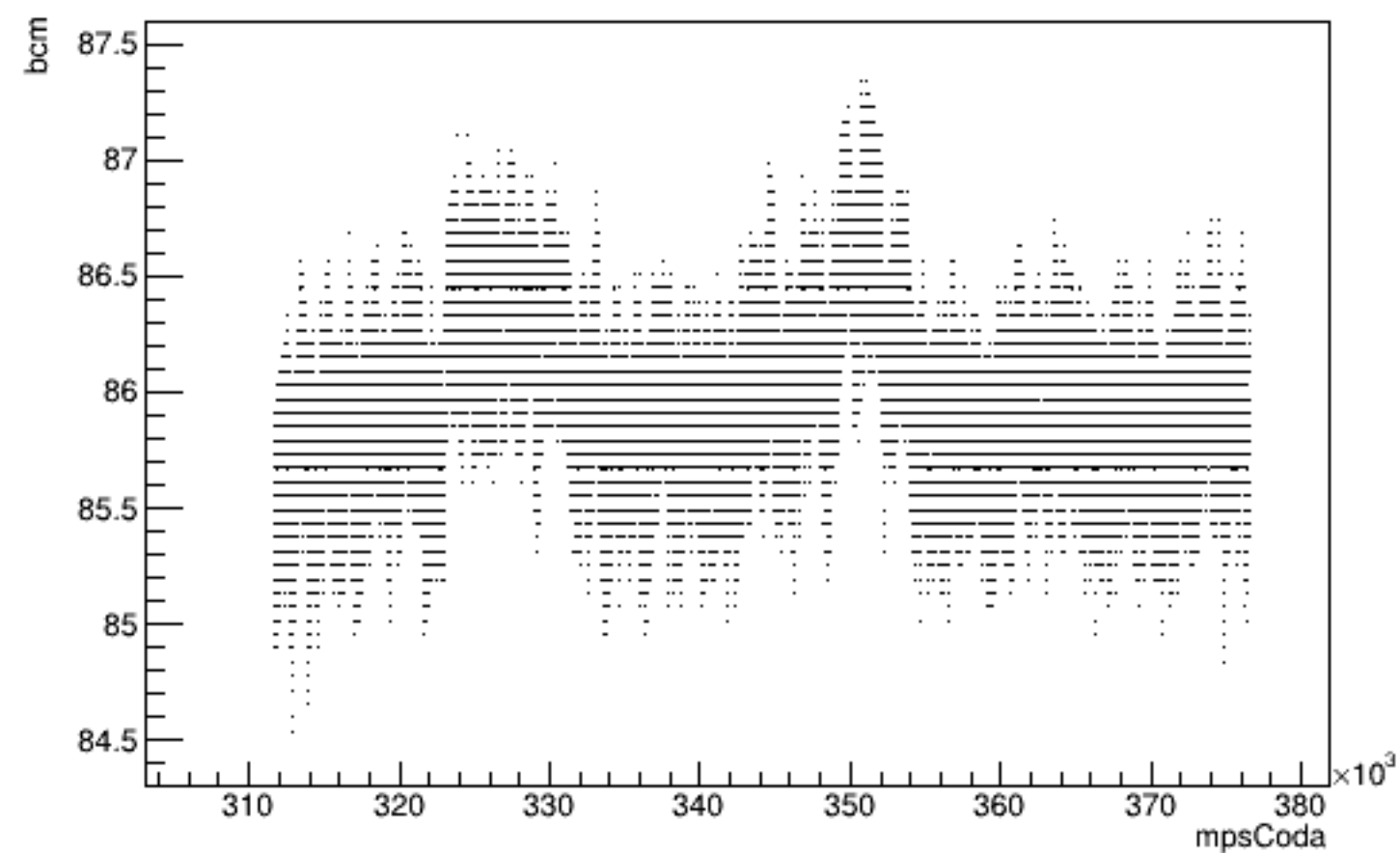
beamState + 1:mpsCoda {mpsCoda&gt;=311656 &amp;&amp; mpsCoda&lt;=376527}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=311656 &amp;&amp; mpsCoda&lt;=376527}



bcm:mpsCoda {mpsCoda&gt;=311656 &amp;&amp; mpsCoda&lt;=376527}



## Cycle 8, Diffs

Entries: 1456

Mean: -0.0017 +/- 0.0051

Std Dev: 0.1962 +/- 0.0036

Entries: 322

Mean: 0.1167 +/- 0.0147

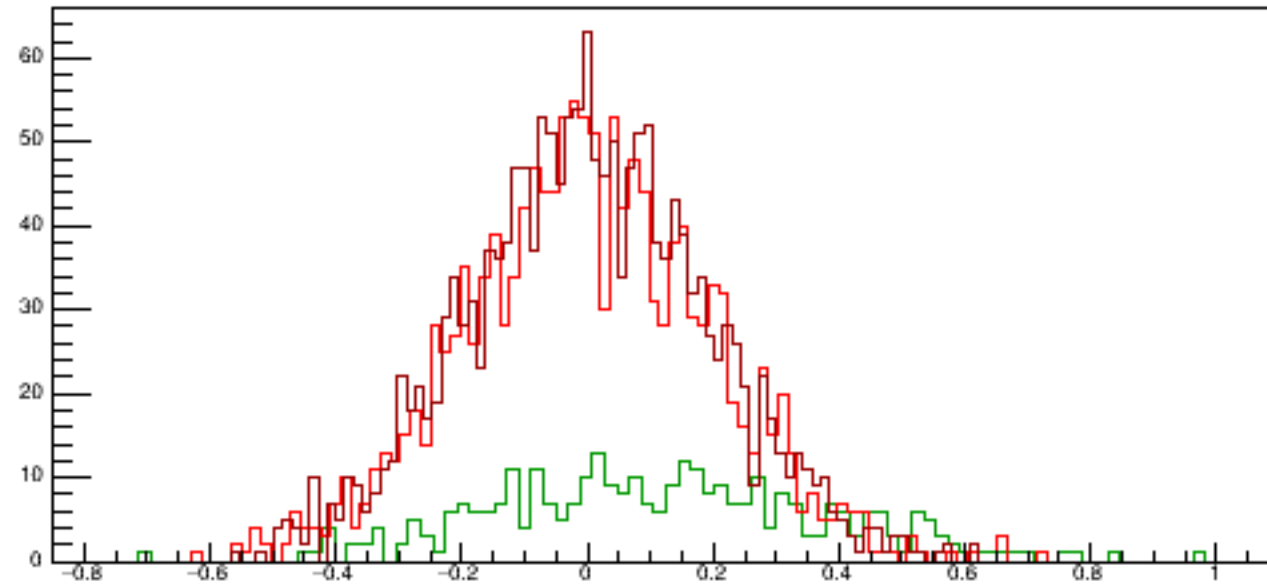
Std Dev: 0.2637 +/- 0.0104

Entries: 1725

Mean: 0.0003 +/- 0.0046

Std Dev: 0.1913 +/- 0.0033

Run 4611 quartetwise, Diffs



## Cycle 8, Sums

Entries: 1456

Mean: 14.5938 +/- 0.0066

Std Dev: 0.2510 +/- 0.0047

Entries: 322

Mean: 23.1416 +/- 0.0218

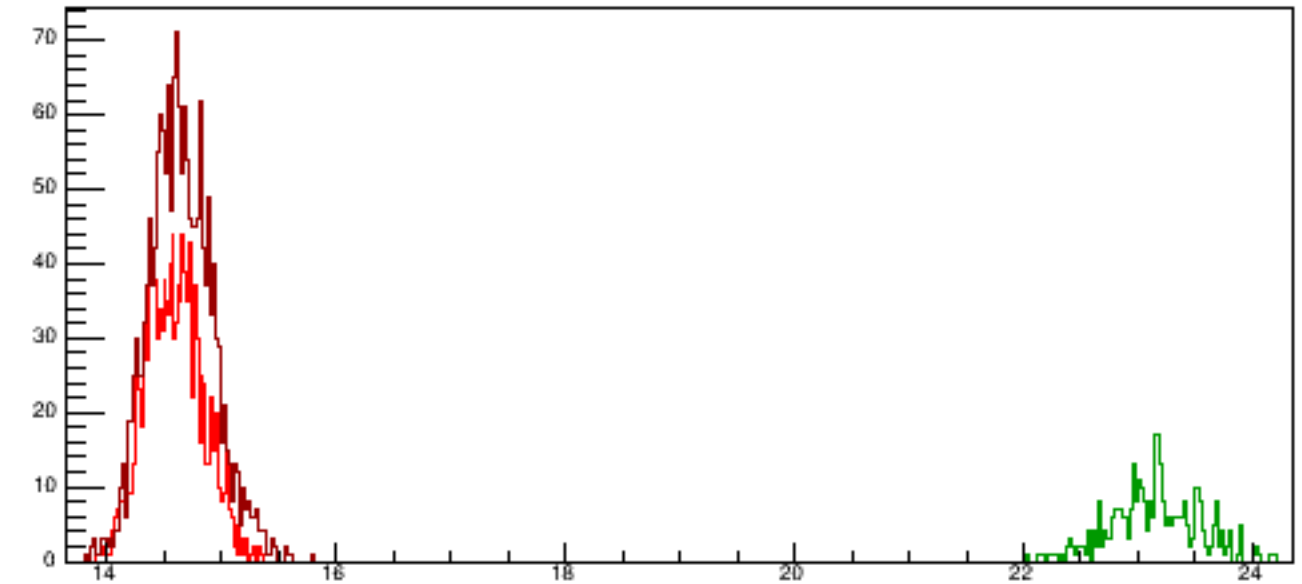
Std Dev: 0.3915 +/- 0.0154

Entries: 1725

Mean: 14.6497 +/- 0.0066

Std Dev: 0.2751 +/- 0.0047

Run 4611 quartetwise, Sums



## Cycle 8, Asyms

Entries: 1456

Mean: -0.0002 +/- 0.0006

Std Dev: 0.0230 +/- 0.0004

Entries: 322

Mean: 0.0136 +/- 0.0017

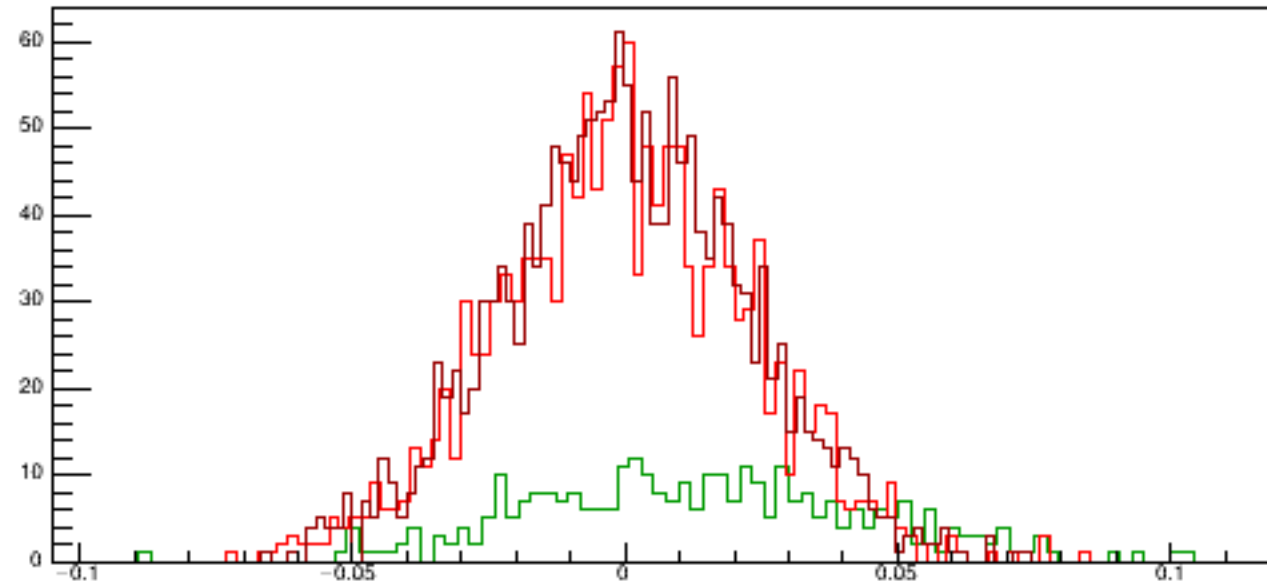
Std Dev: 0.0309 +/- 0.0012

Entries: 1725

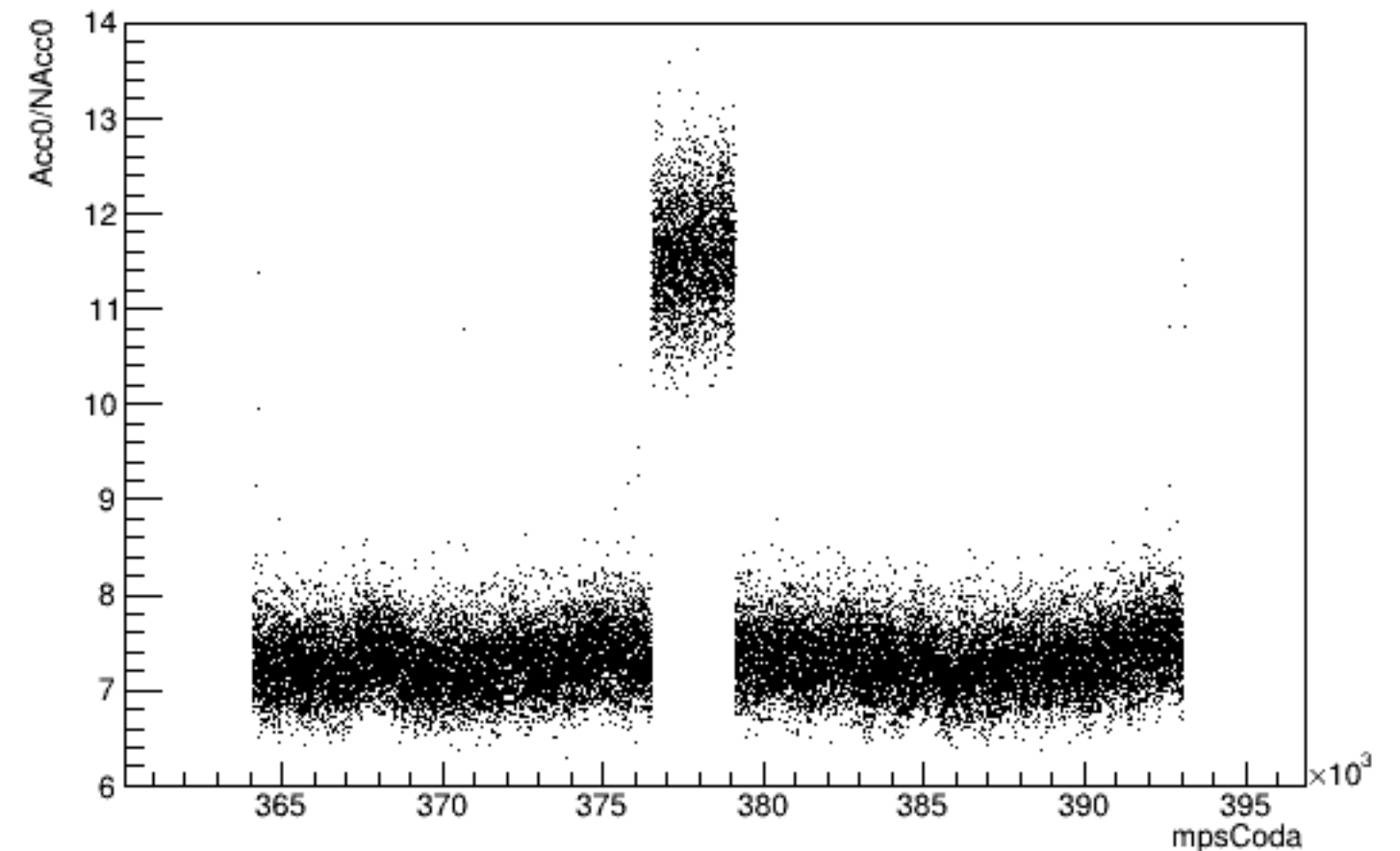
Mean: 0.0000 +/- 0.0005

Std Dev: 0.0225 +/- 0.0004

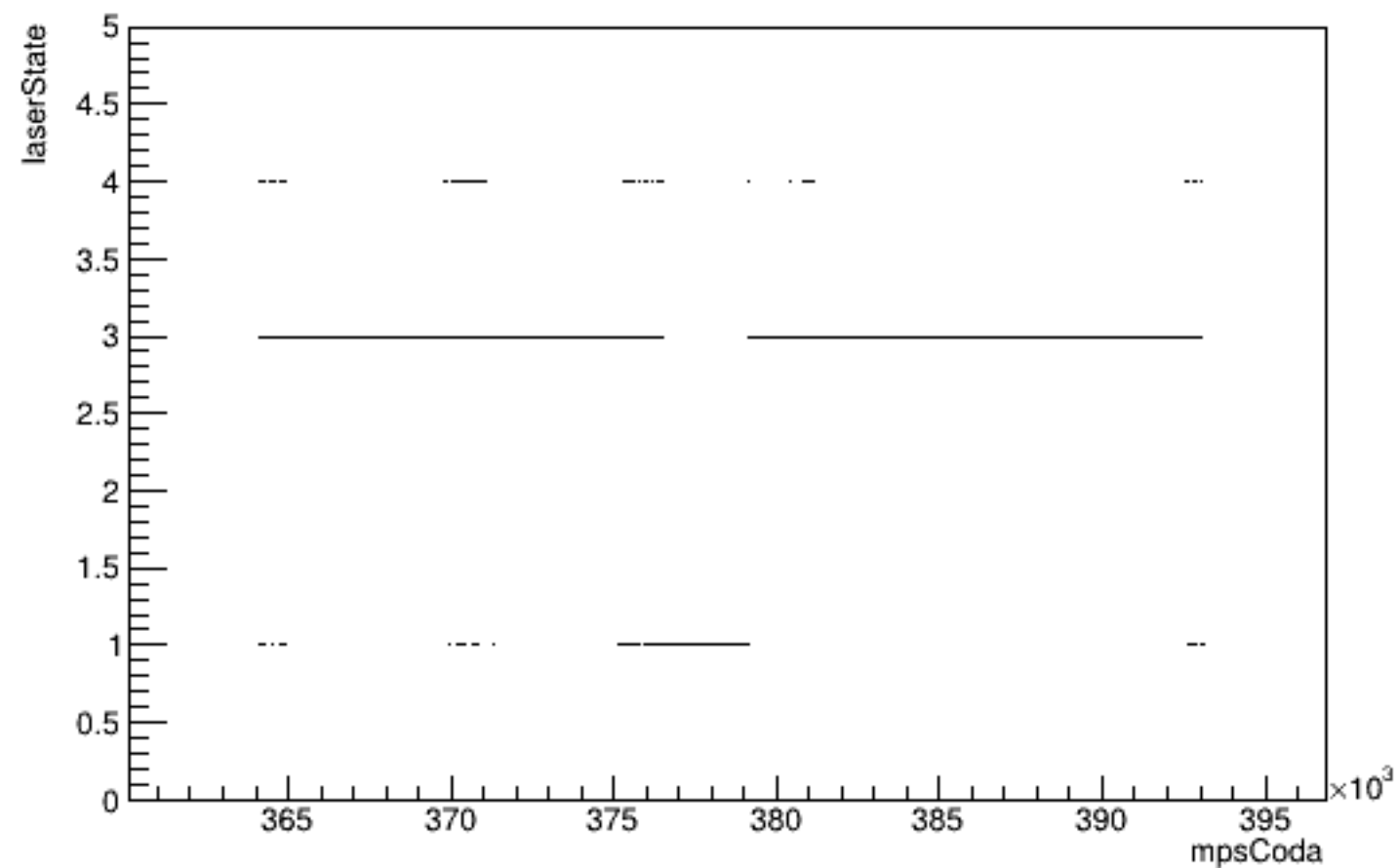
Run 4611 quartetwise, Asyms



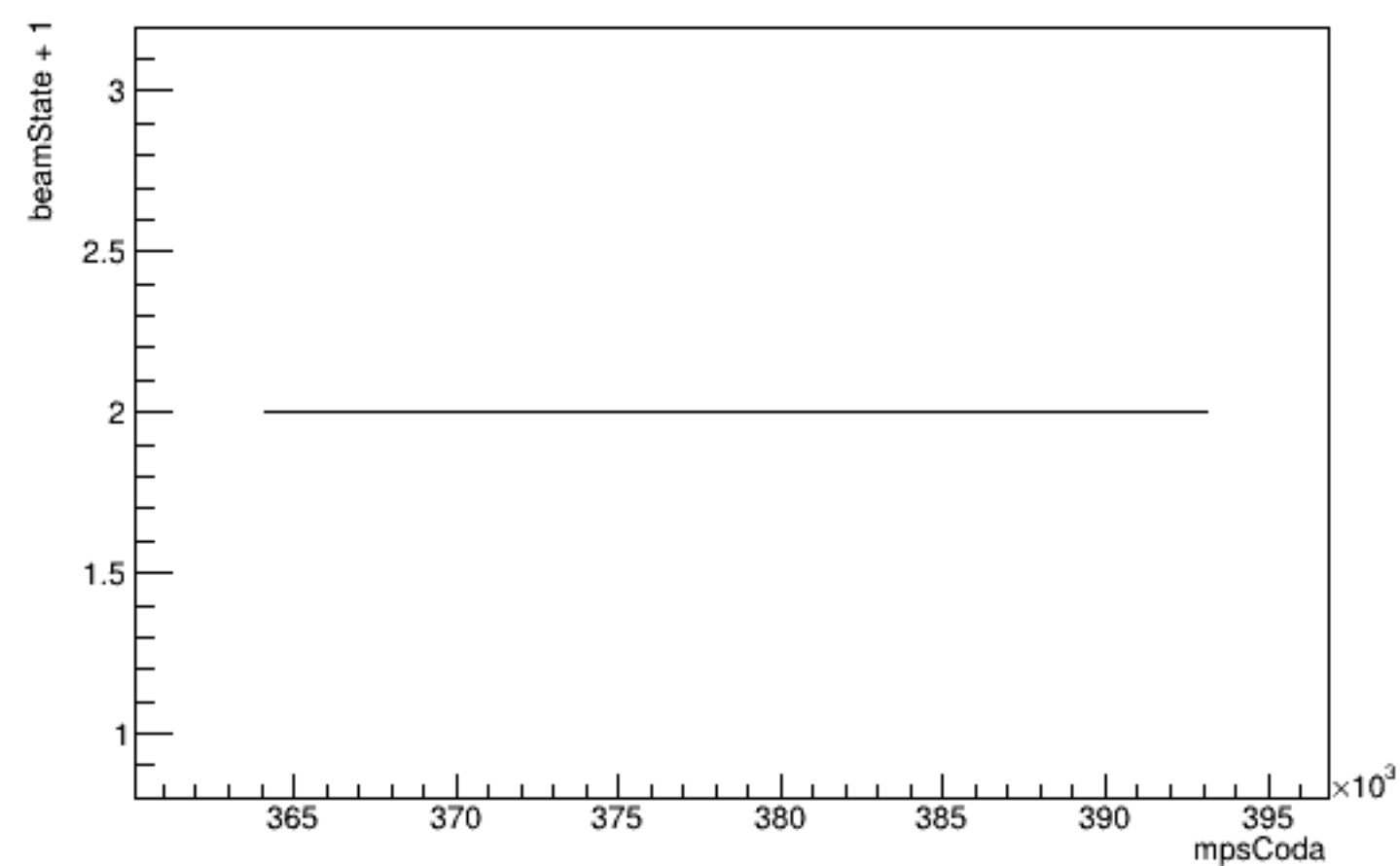
Acc0/NAcc0:mpsCoda {mpsCoda>=364088 && mpsCoda<=393079 && beamState==1}



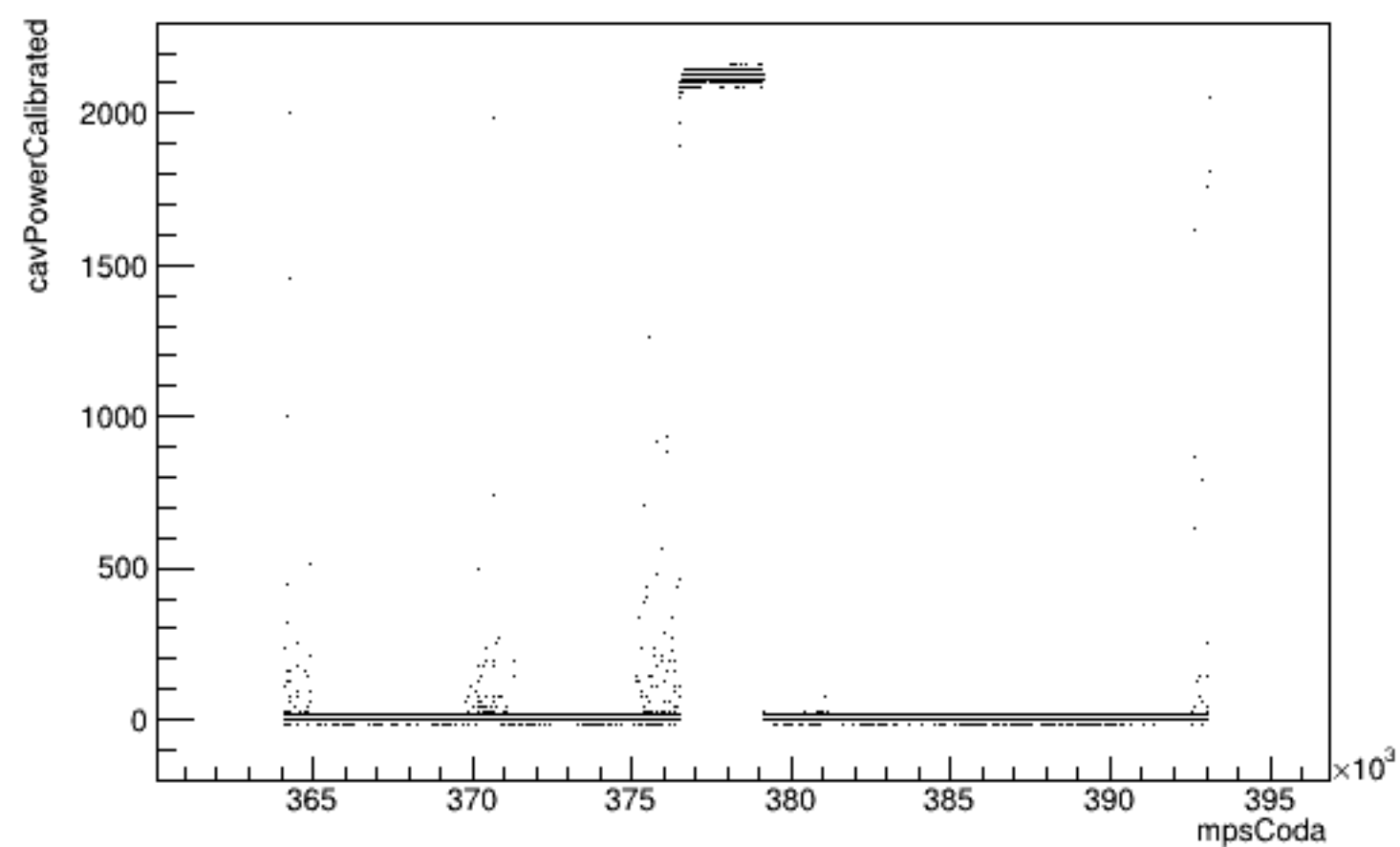
laserState:mpsCoda {mpsCoda&gt;=364088 &amp;&amp; mpsCoda&lt;=393079}



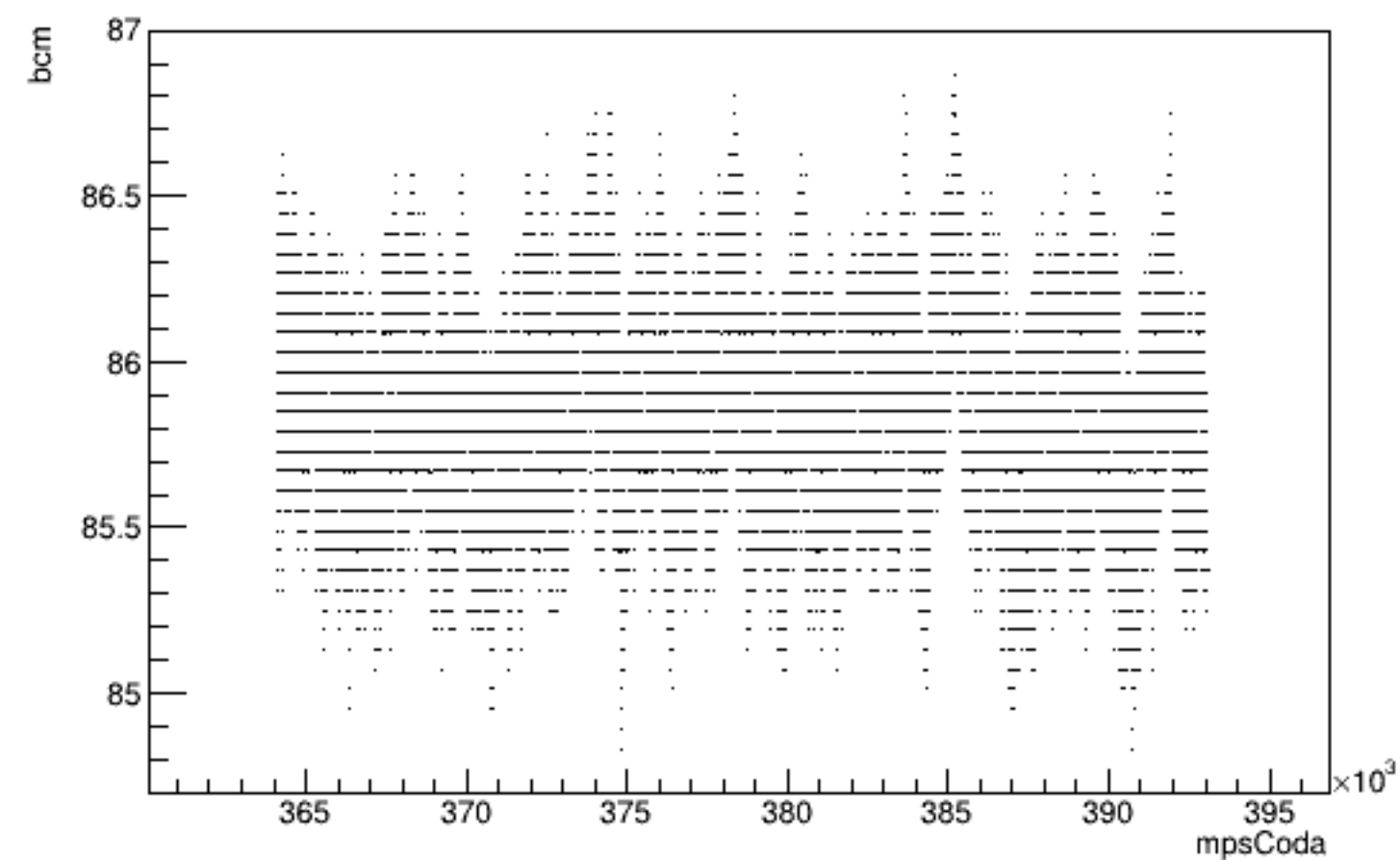
beamState + 1:mpsCoda {mpsCoda&gt;=364088 &amp;&amp; mpsCoda&lt;=393079}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=364088 &amp;&amp; mpsCoda&lt;=393079}



bcm:mpsCoda {mpsCoda&gt;=364088 &amp;&amp; mpsCoda&lt;=393079}



## Cycle 9, Diffs

Entries: 1725

Mean: 0.0003 +/- 0.0046

Std Dev: 0.1913 +/- 0.0033

Entries: 348

Mean: 0.1461 +/- 0.0151

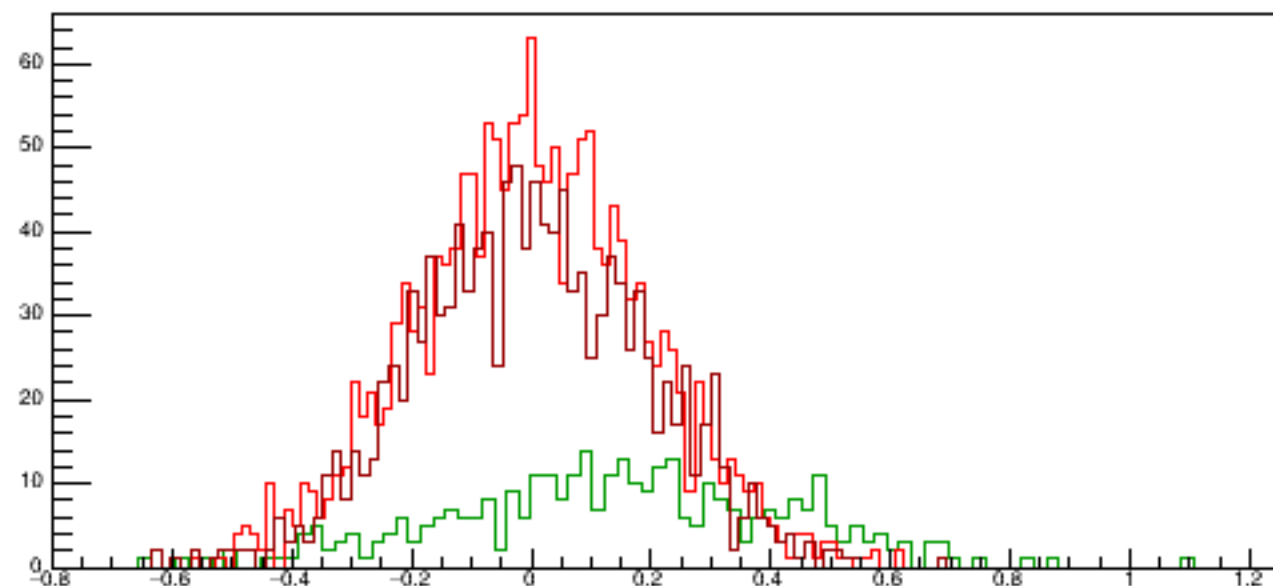
Std Dev: 0.2812 +/- 0.0107

Entries: 1281

Mean: -0.0011 +/- 0.0054

Std Dev: 0.1931 +/- 0.0038

Run 4611 quartetwise, Diffs



## Cycle 9, Sums

Entries: 1725

Mean: 14.6497 +/- 0.0066

Std Dev: 0.2751 +/- 0.0047

Entries: 348

Mean: 23.0006 +/- 0.0271

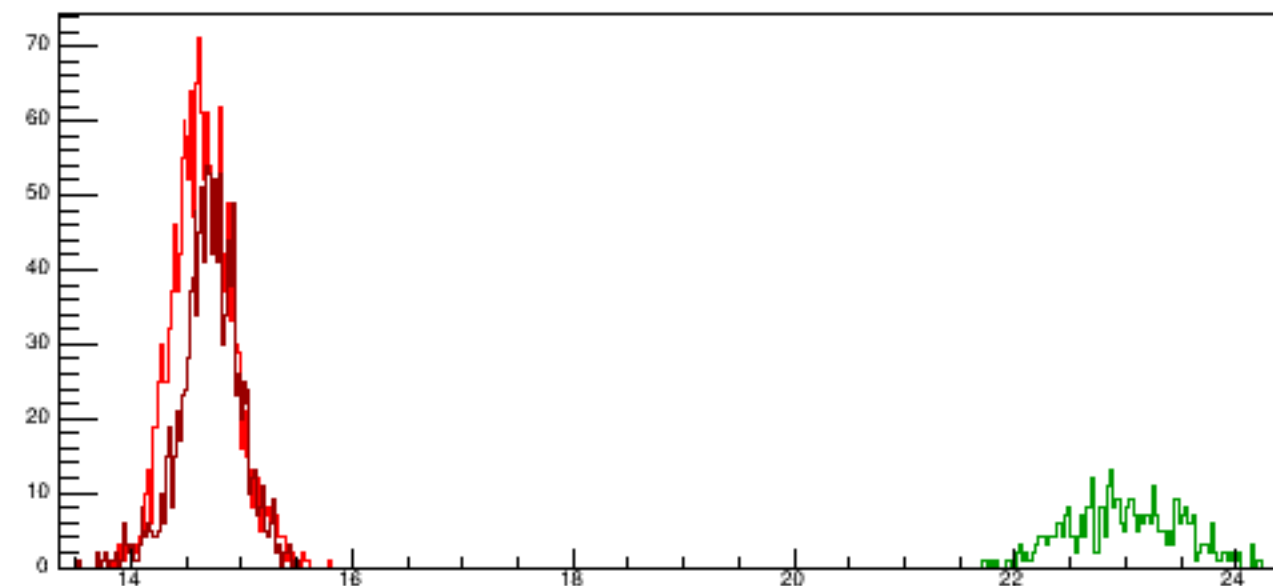
Std Dev: 0.5053 +/- 0.0192

Entries: 1281

Mean: 14.7147 +/- 0.0077

Std Dev: 0.2750 +/- 0.0054

Run 4611 quartetwise, Sums



## Cycle 9, Asyms

Entries: 1725

Mean: 0.0000 +/- 0.0006

Std Dev: 0.0230 +/- 0.0004

Entries: 348

Mean: 0.0175 +/- 0.0018

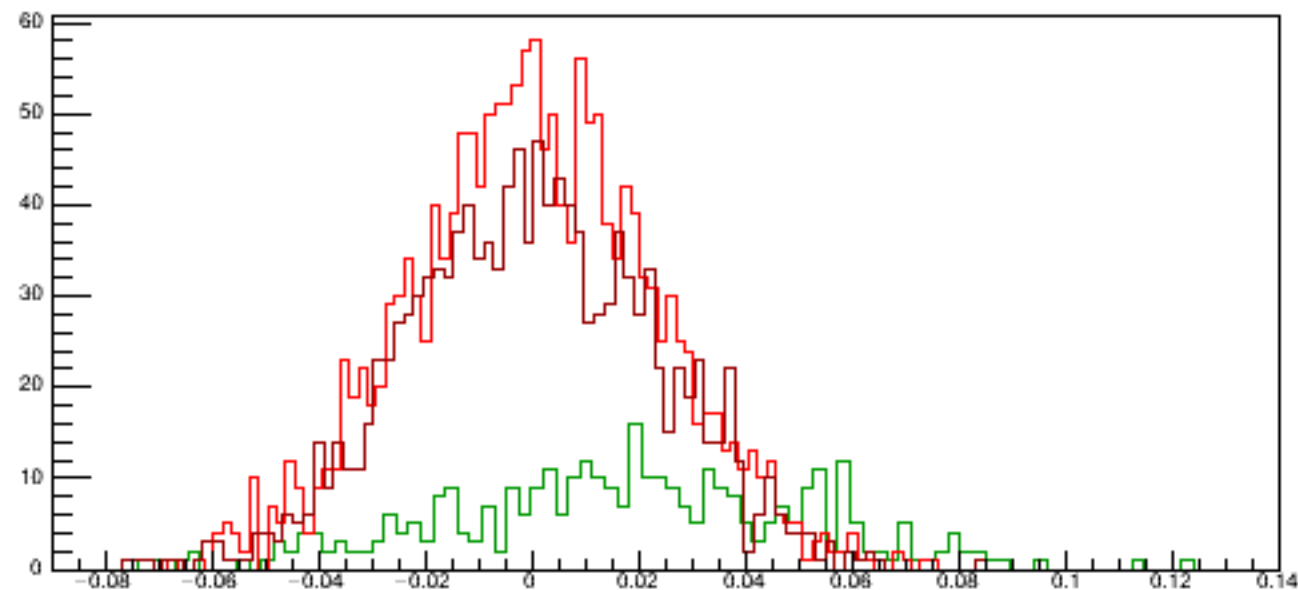
Std Dev: 0.0337 +/- 0.0013

Entries: 1281

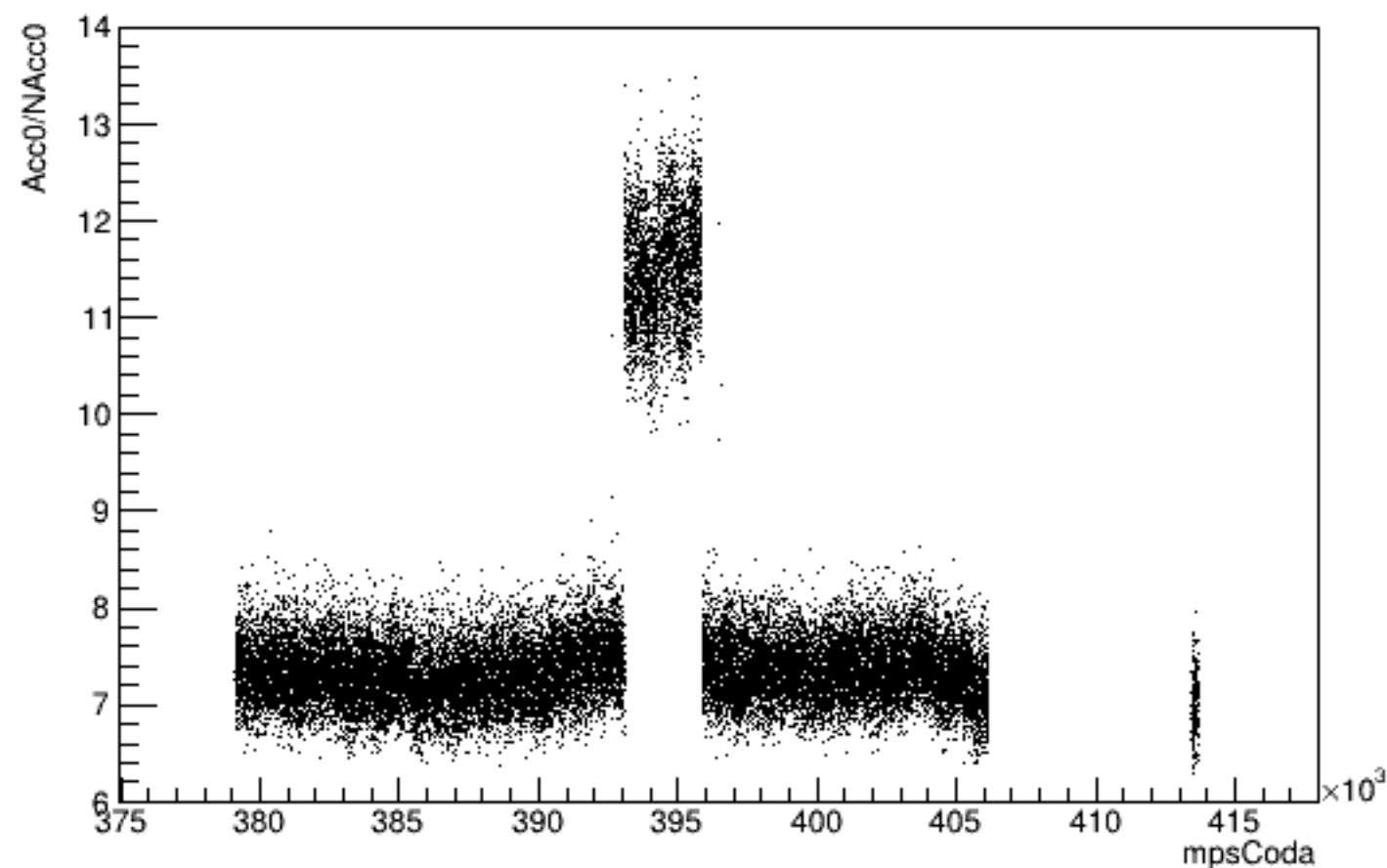
Mean: -0.0001 +/- 0.0006

Std Dev: 0.0232 +/- 0.0005

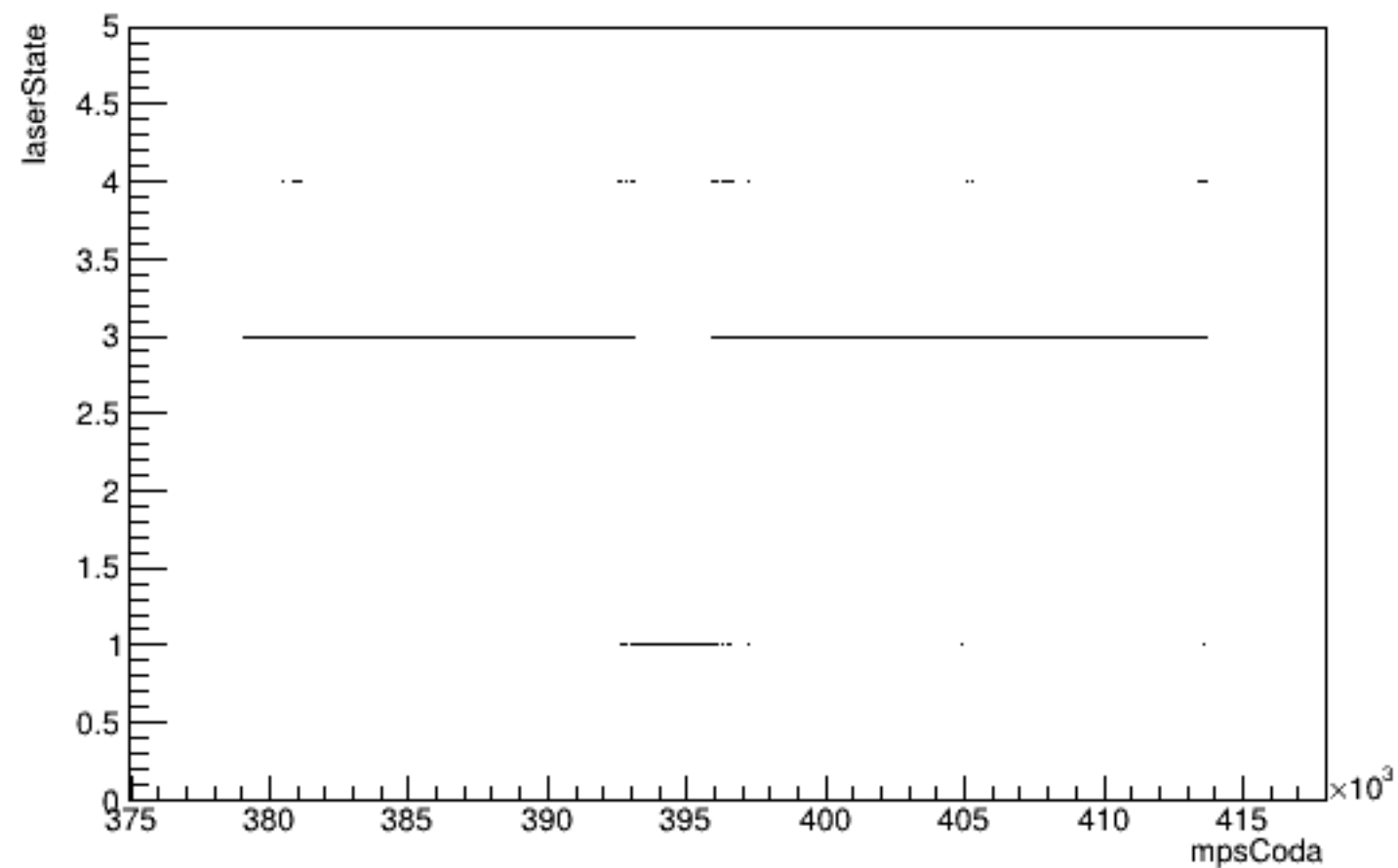
Run 4611 quartetwise, Asyms



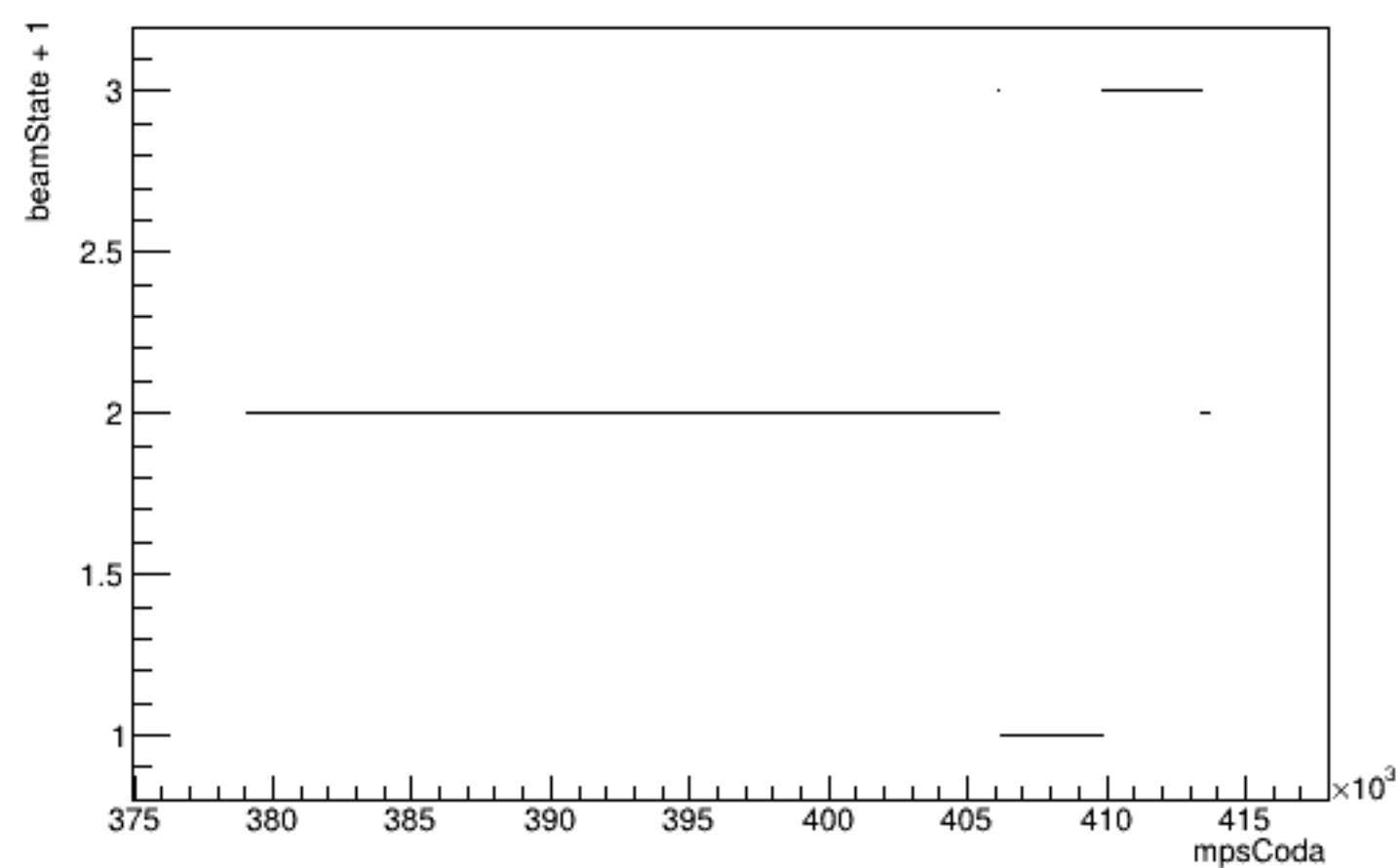
Acc0/NAcc0:mpsCoda {mpsCoda>=379112 && mpsCoda<=413679 && beamState==1}



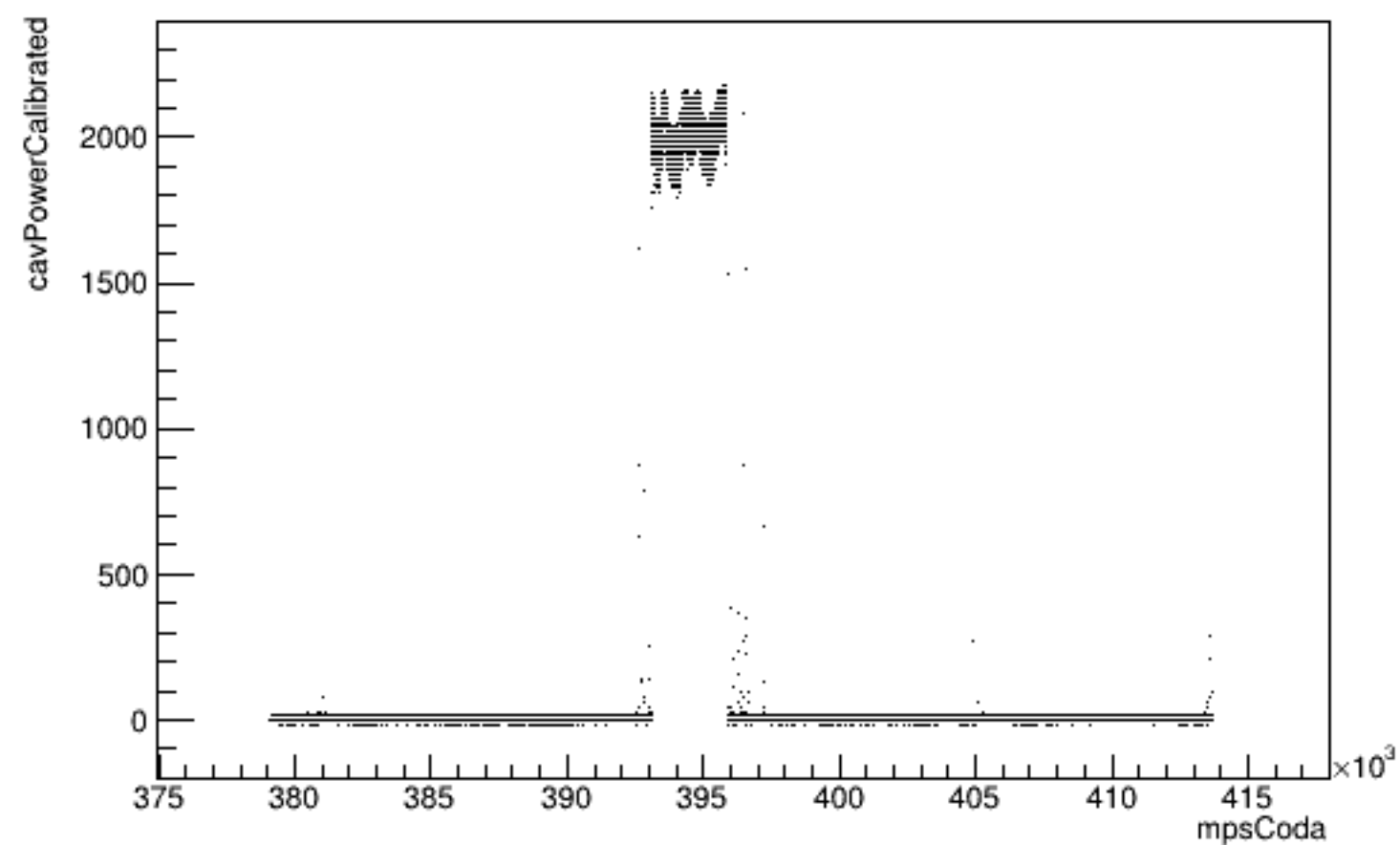
laserState:mpsCoda {mpsCoda&gt;=379112 &amp;&amp; mpsCoda&lt;=413679}



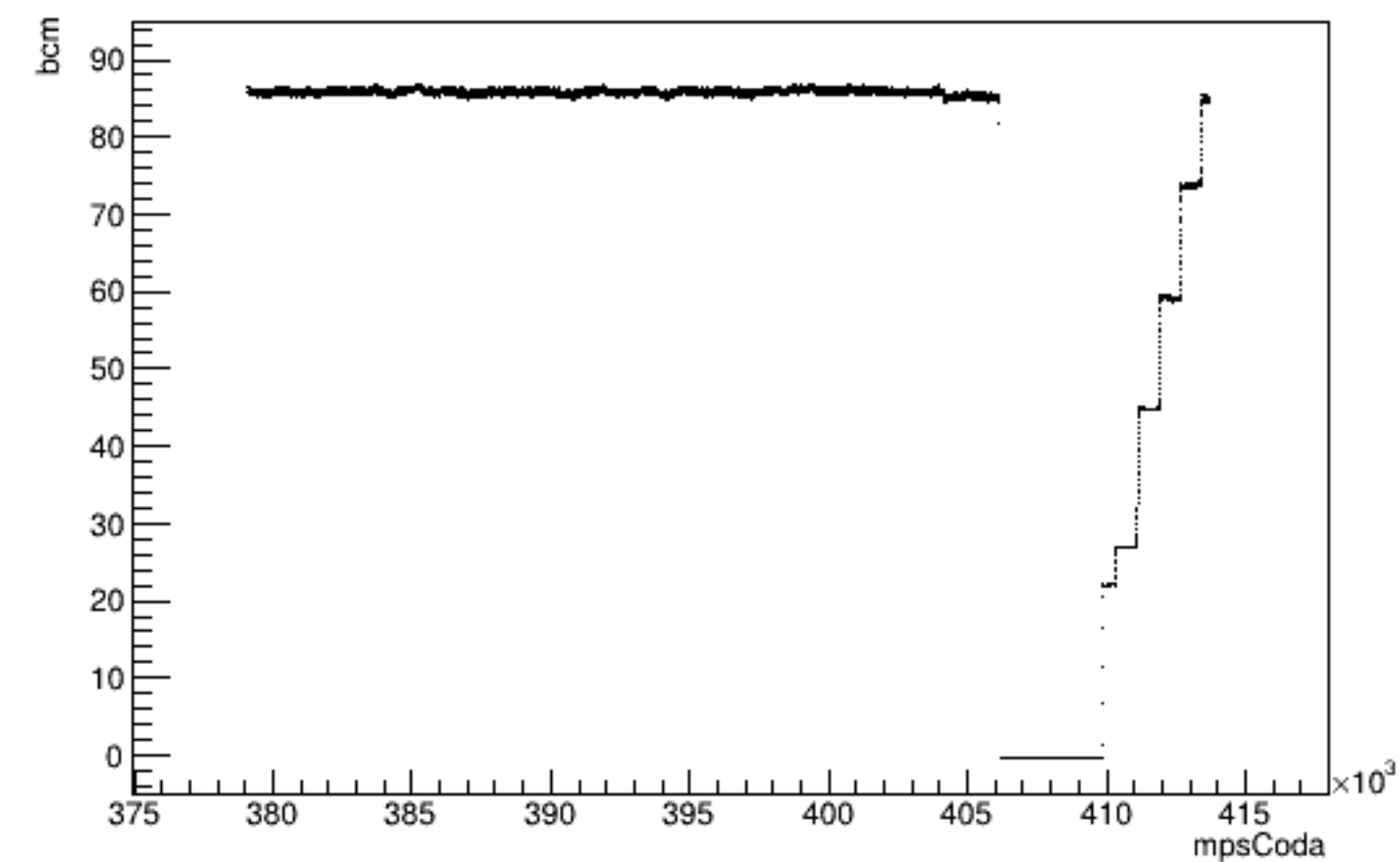
beamState + 1:mpsCoda {mpsCoda&gt;=379112 &amp;&amp; mpsCoda&lt;=413679}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=379112 &amp;&amp; mpsCoda&lt;=413679}



bcm:mpsCoda {mpsCoda&gt;=379112 &amp;&amp; mpsCoda&lt;=413679}



## Cycle 10, Diffs

Entries: 2487

Mean: -0.0010 +/- 0.0038

Std Dev: 0.1913 +/- 0.0027

Entries: 4675

Mean: 0.1209 +/- 0.0040

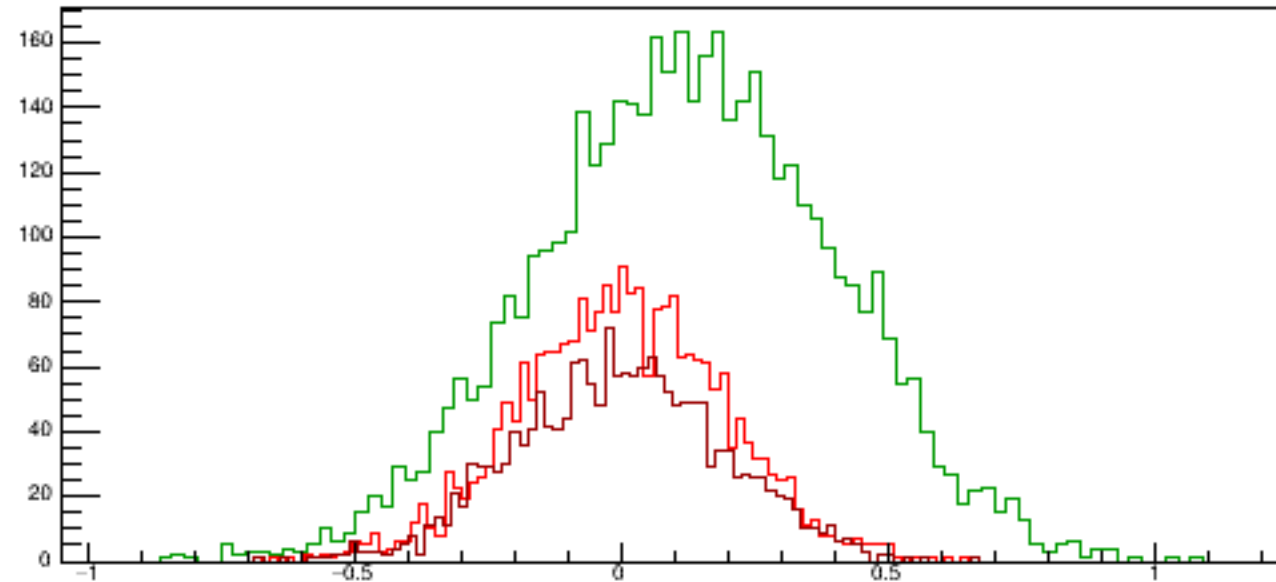
Std Dev: 0.2762 +/- 0.0029

Entries: 1805

Mean: -0.0040 +/- 0.0045

Std Dev: 0.1925 +/- 0.0032

Run 4611 quartetwise, Diffs



## Cycle 10, Sums

Entries: 2487

Mean: 14.7882 +/- 0.0051

Std Dev: 0.2528 +/- 0.0036

Entries: 4675

Mean: 23.2906 +/- 0.0060

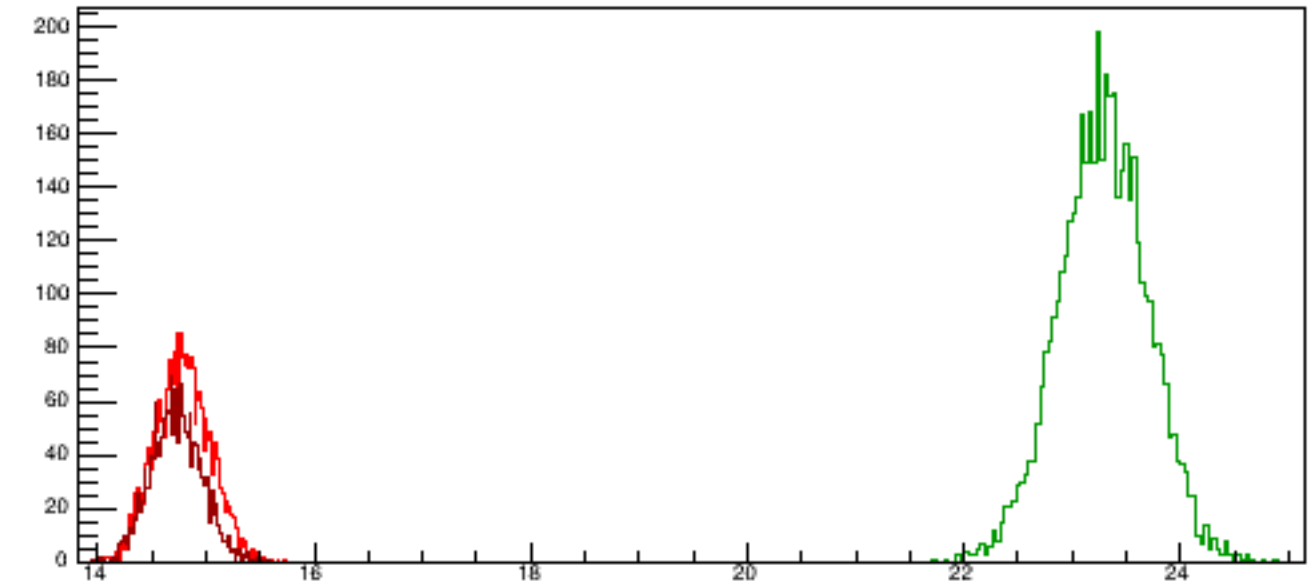
Std Dev: 0.4135 +/- 0.0043

Entries: 1805

Mean: 14.7285 +/- 0.0055

Std Dev: 0.2356 +/- 0.0039

Run 4611 quartetwise, Sums



## Cycle 10, Asyms

Entries: 2487

Mean: -0.0001 +/- 0.0004

Std Dev: 0.0224 +/- 0.0003

Entries: 4675

Mean: 0.0142 +/- 0.0005

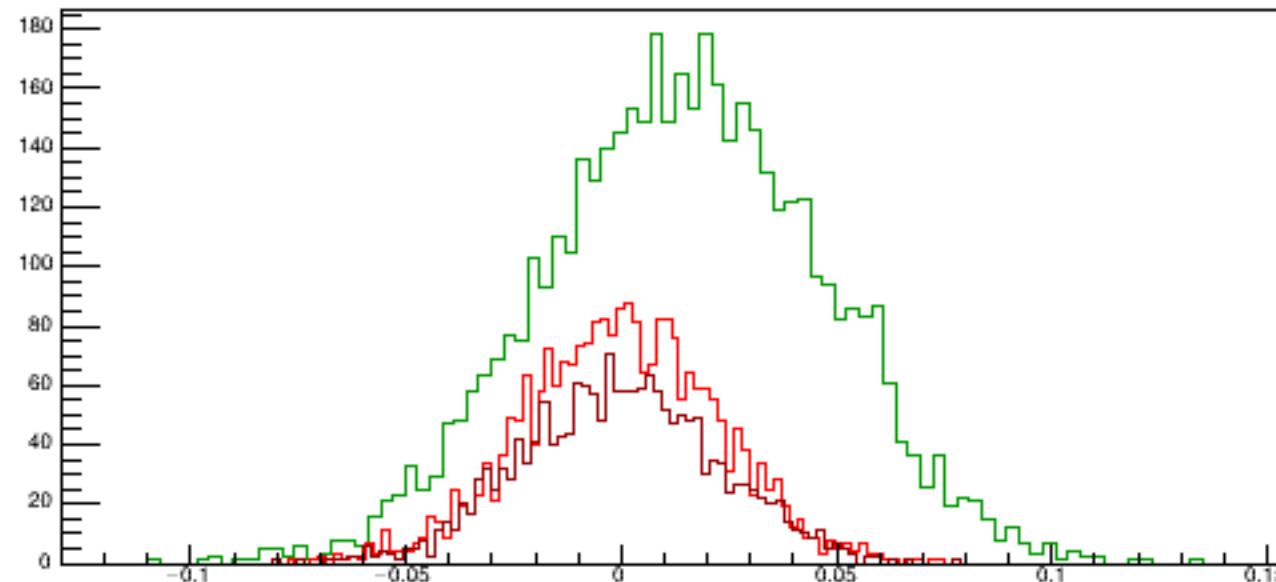
Std Dev: 0.0324 +/- 0.0003

Entries: 1805

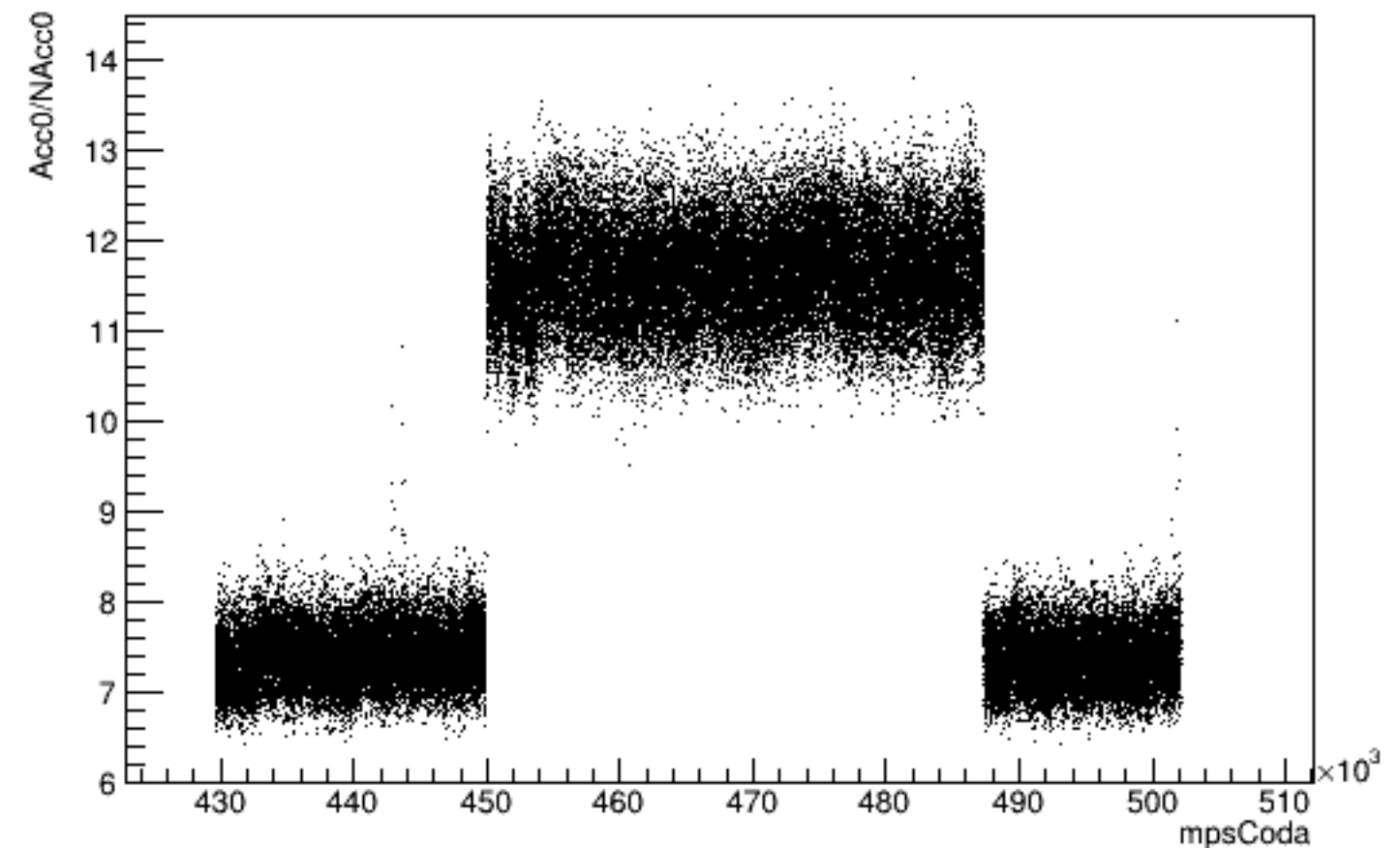
Mean: -0.0005 +/- 0.0005

Std Dev: 0.0226 +/- 0.0004

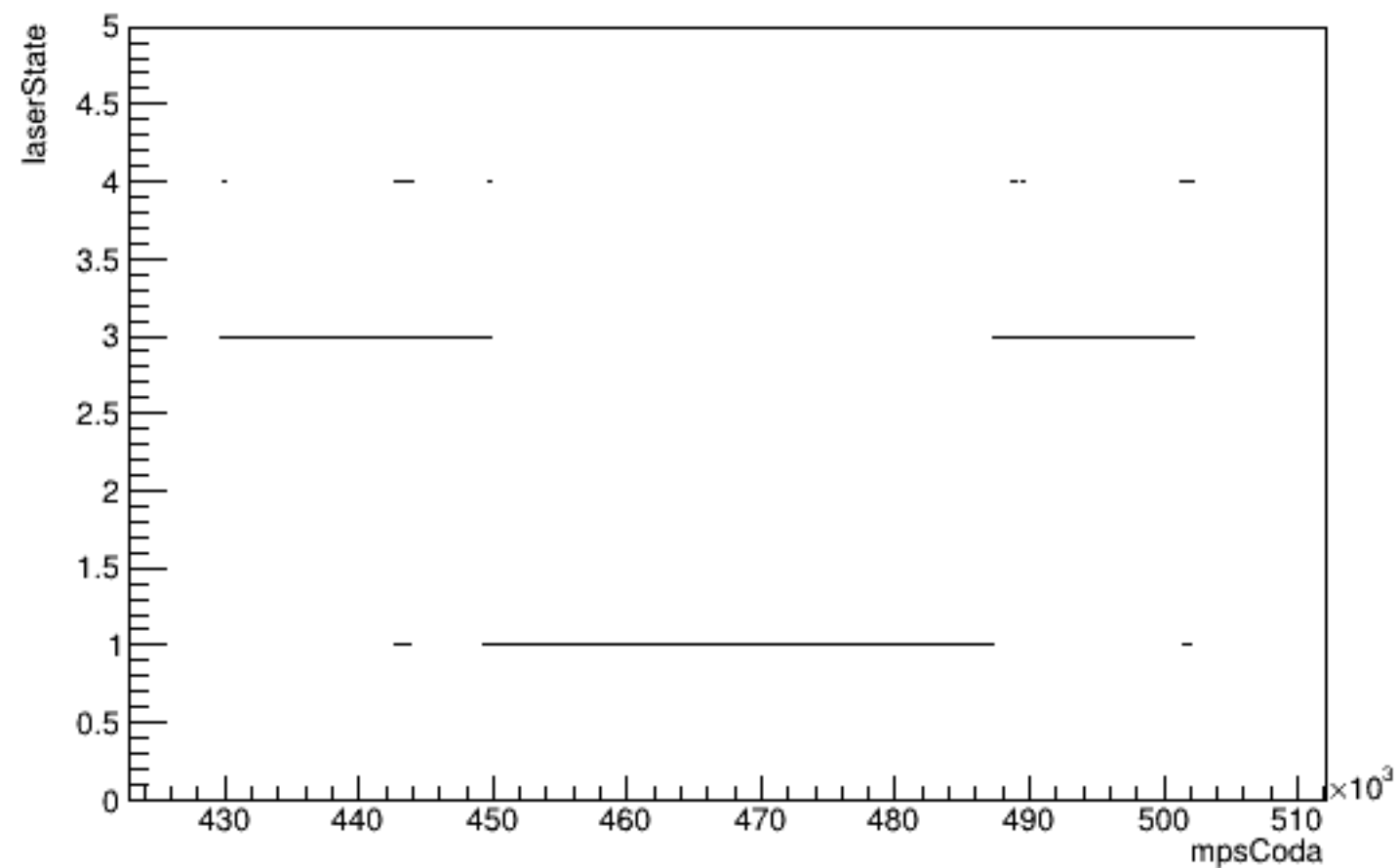
Run 4611 quartetwise, Asyms



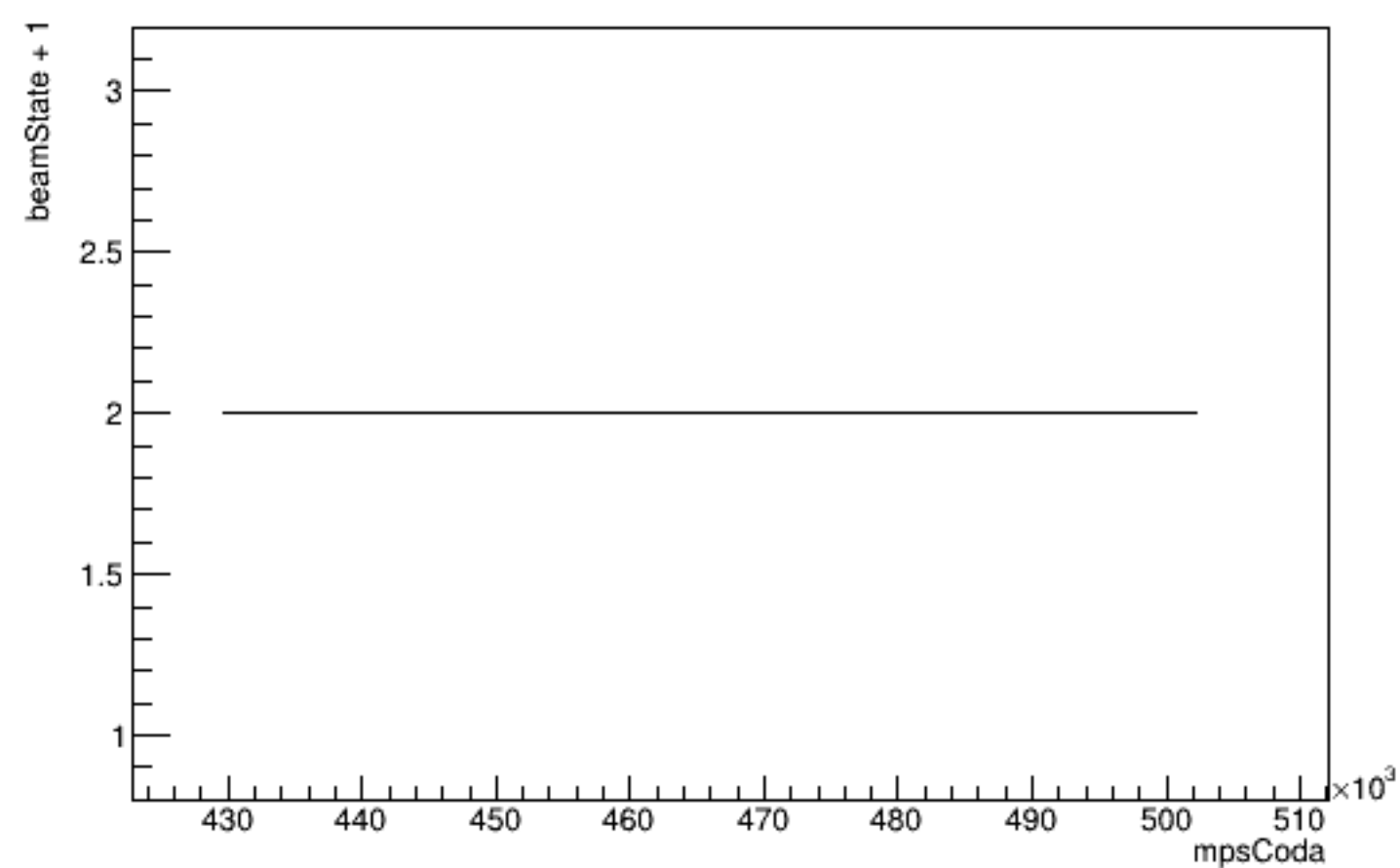
Acc0/NAcc0:mpsCoda {mpsCoda>=429592 && mpsCoda<=502143 && beamState==1}



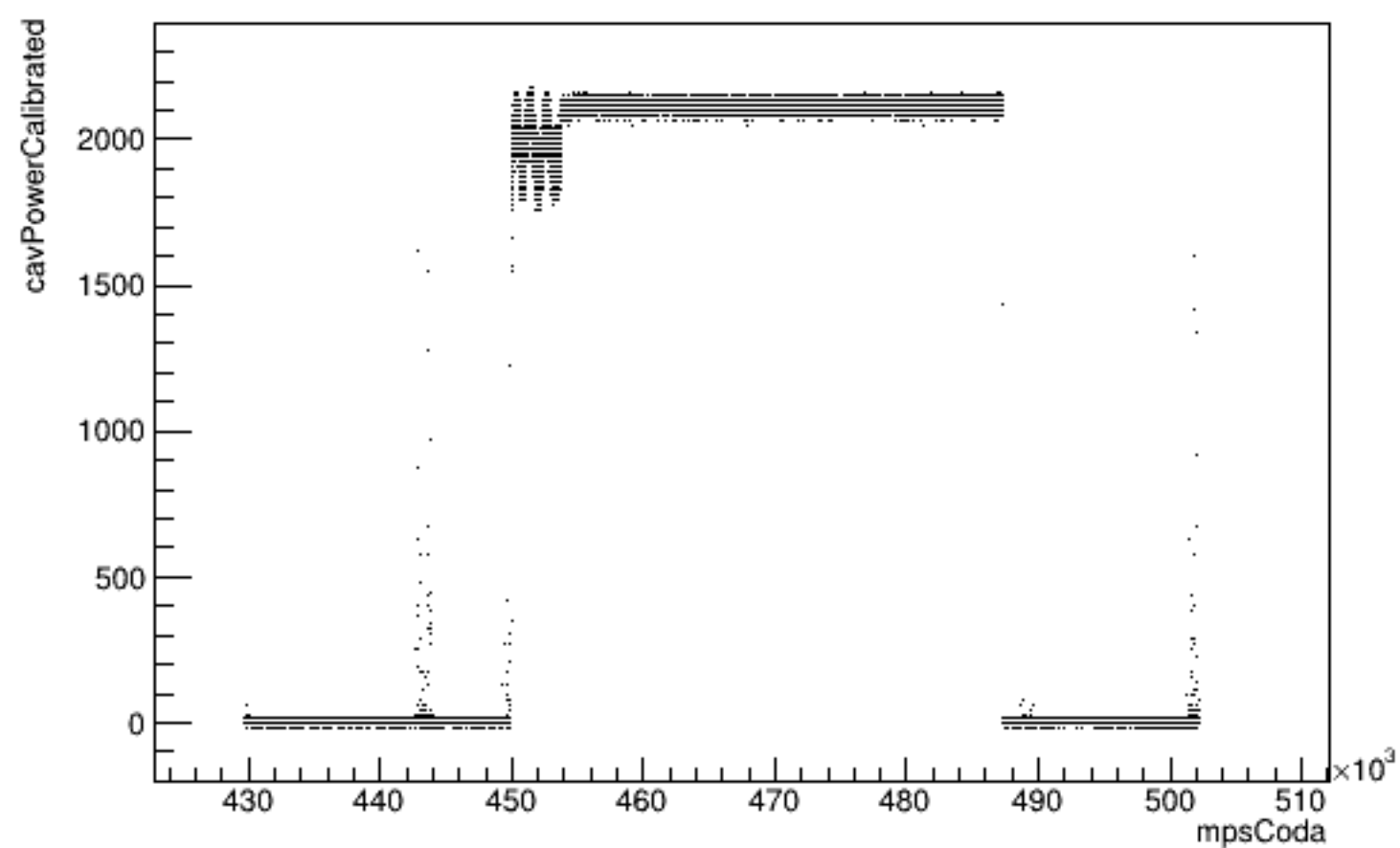
laserState:mpsCoda {mpsCoda&gt;=429592 &amp;&amp; mpsCoda&lt;=502143}



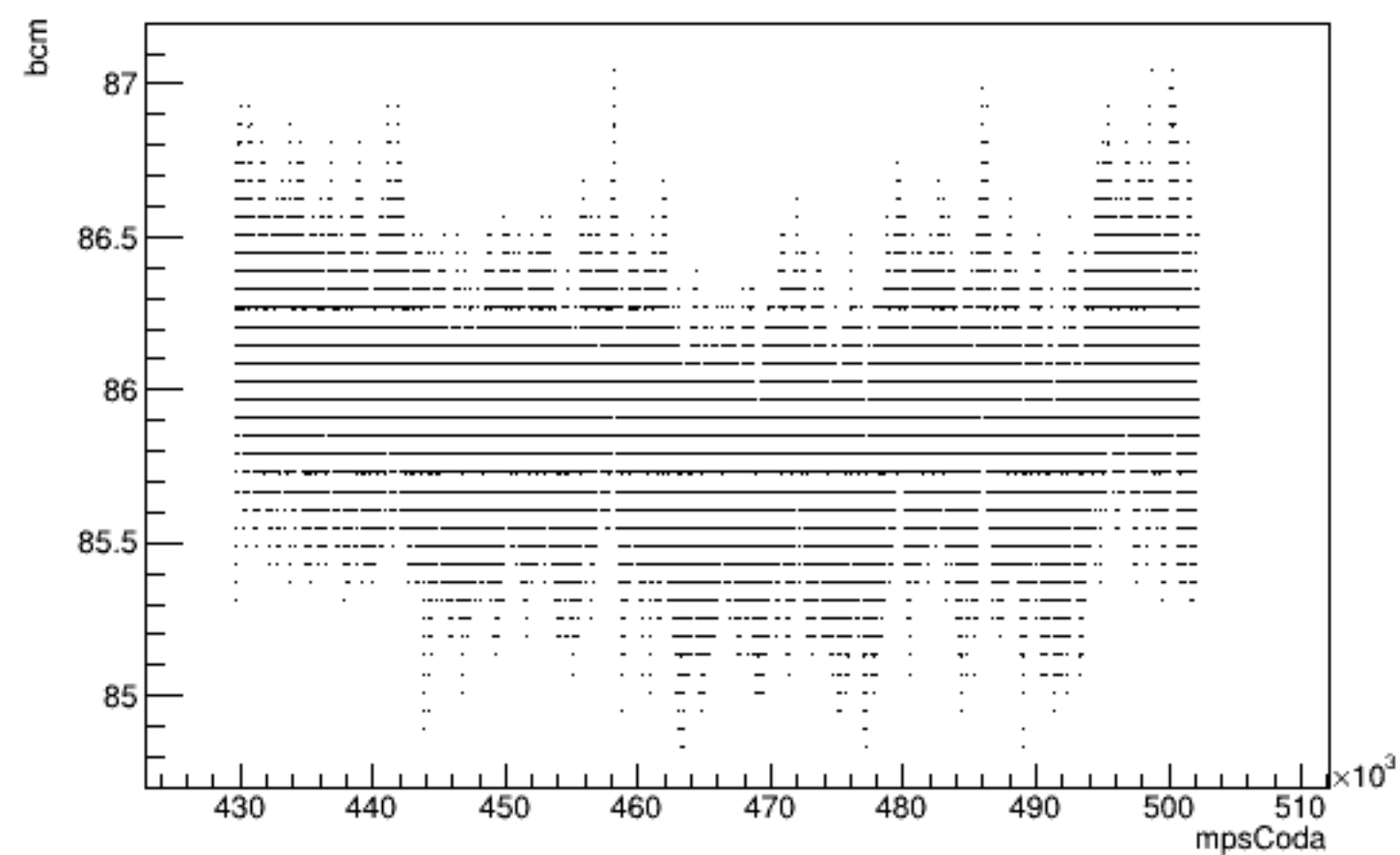
beamState + 1:mpsCoda {mpsCoda&gt;=429592 &amp;&amp; mpsCoda&lt;=502143}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=429592 &amp;&amp; mpsCoda&lt;=502143}



bcm:mpsCoda {mpsCoda&gt;=429592 &amp;&amp; mpsCoda&lt;=502143}



## Cycle 11, Diffs

Entries: 1805

Mean: -0.0040 +/- 0.0045

Std Dev: 0.1925 +/- 0.0032

Entries: 1641

Mean: 0.1321 +/- 0.0066

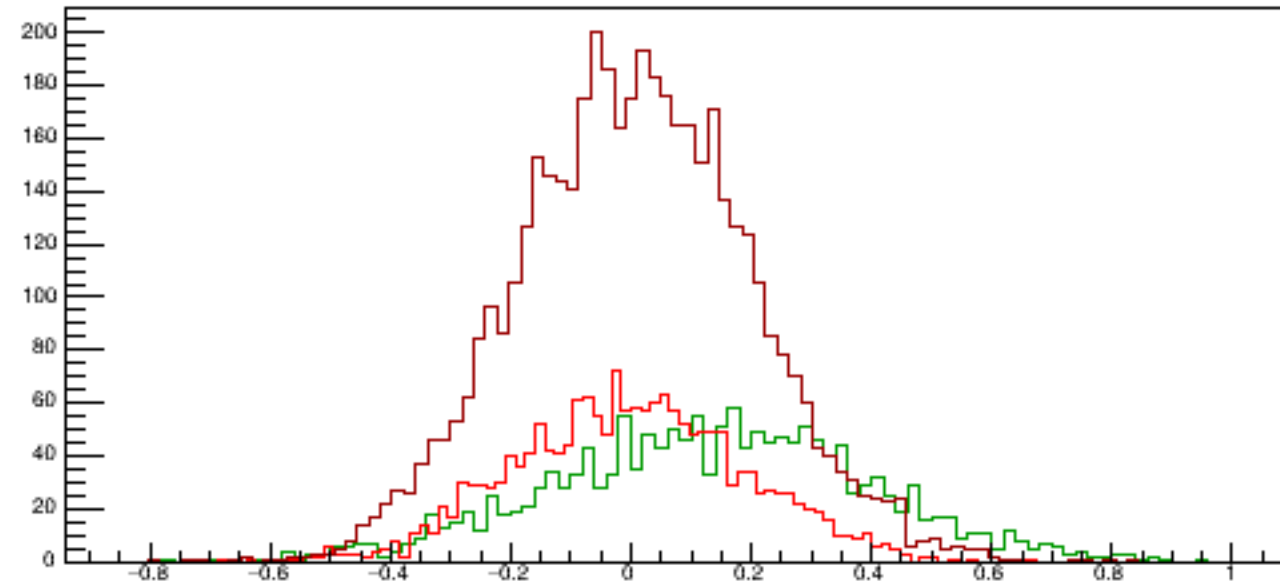
Std Dev: 0.2671 +/- 0.0047

Entries: 4651

Mean: 0.0067 +/- 0.0029

Std Dev: 0.1954 +/- 0.0020

Run 4611 quartetwise, Diffs



## Cycle 11, Sums

Entries: 1805

Mean: 14.7285 +/- 0.0055

Std Dev: 0.2356 +/- 0.0039

Entries: 1641

Mean: 23.3499 +/- 0.0120

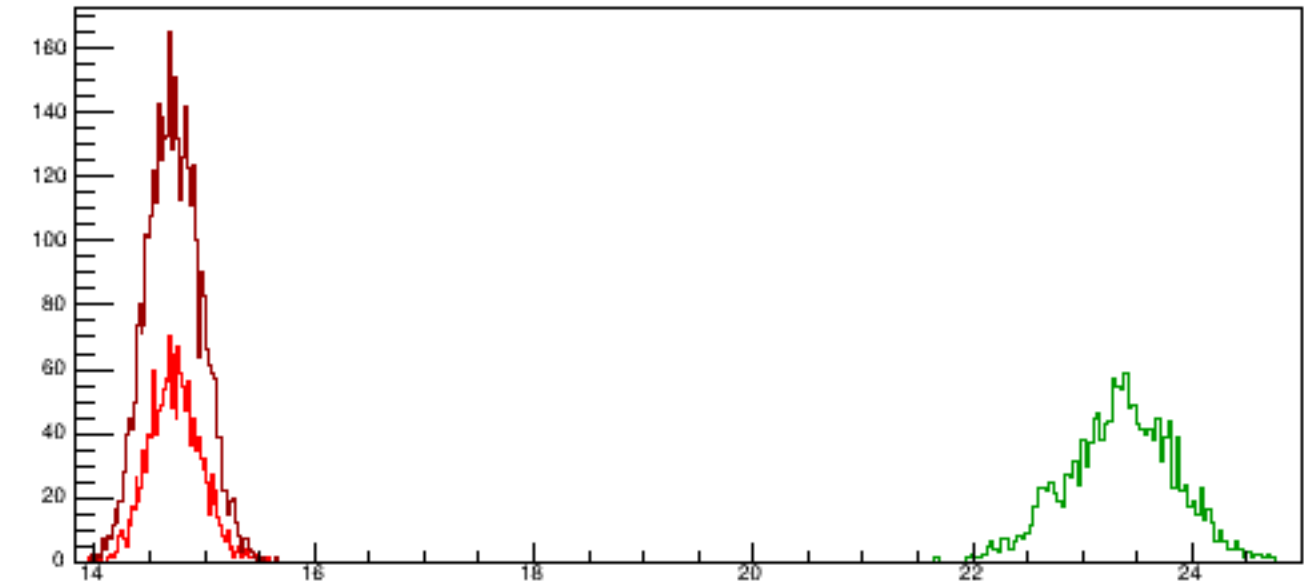
Std Dev: 0.4864 +/- 0.0085

Entries: 4651

Mean: 14.7203 +/- 0.0036

Std Dev: 0.2471 +/- 0.0026

Run 4611 quartetwise, Sums



## Cycle 11, Asyms

Entries: 1805

Mean: -0.0005 +/- 0.0005

Std Dev: 0.0223 +/- 0.0004

Entries: 1641

Mean: 0.0154 +/- 0.0008

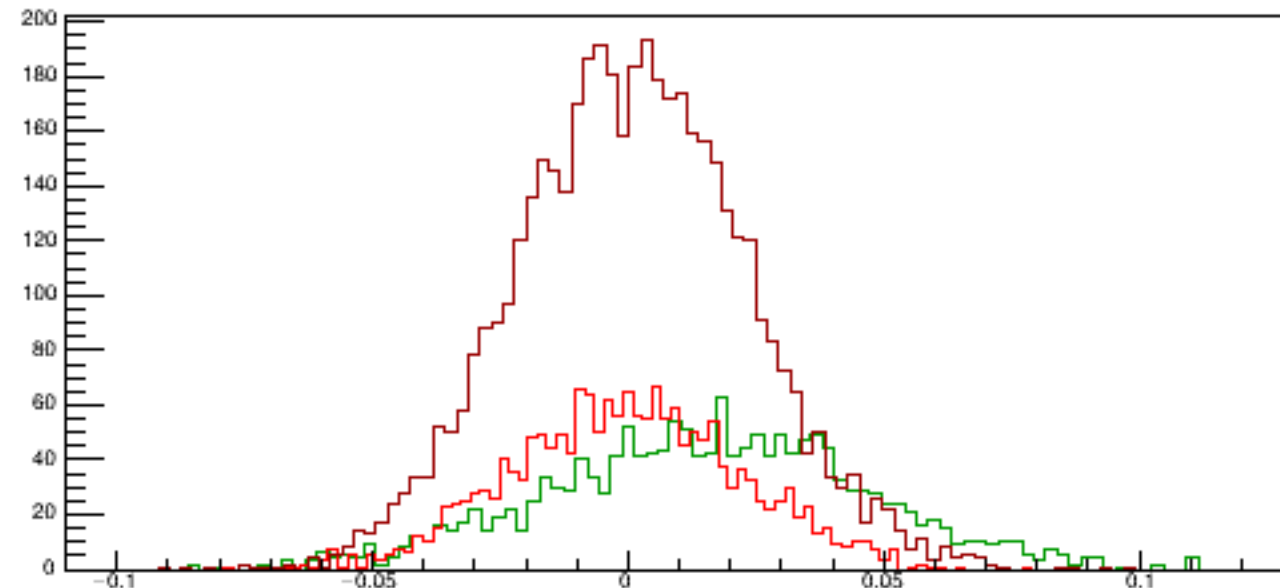
Std Dev: 0.0311 +/- 0.0005

Entries: 4651

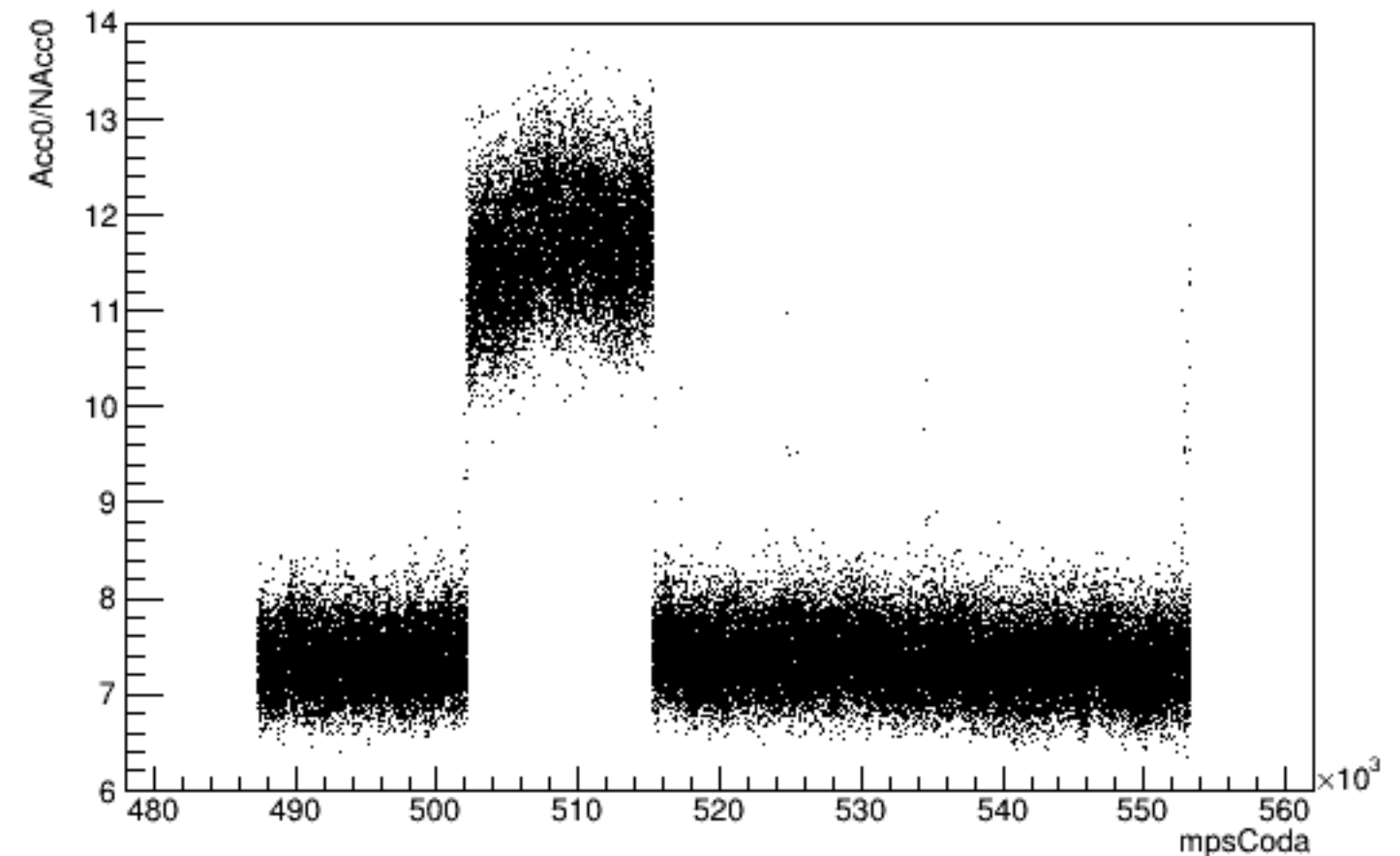
Mean: 0.0008 +/- 0.0003

Std Dev: 0.0227 +/- 0.0002

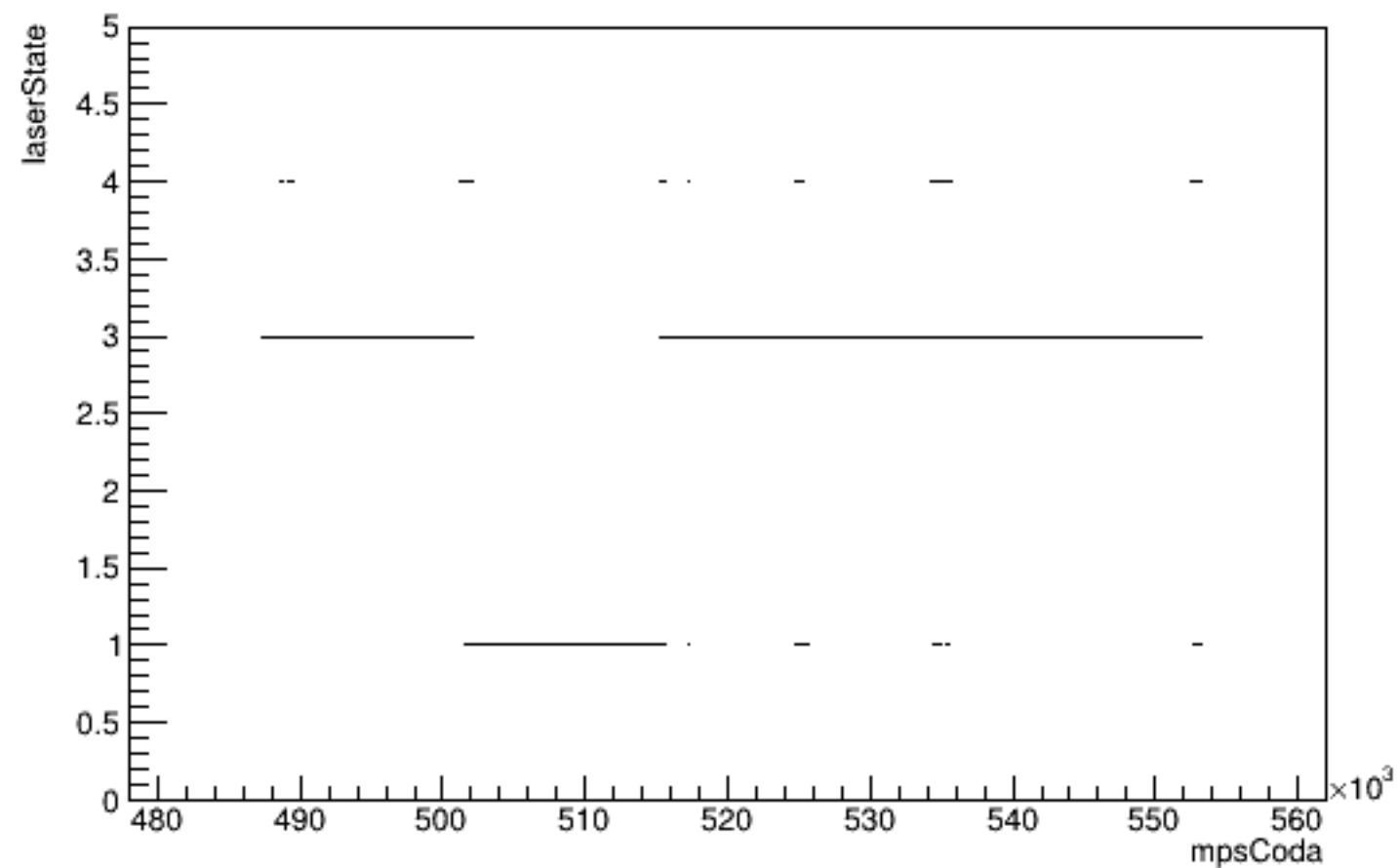
Run 4611 quartetwise, Asyms



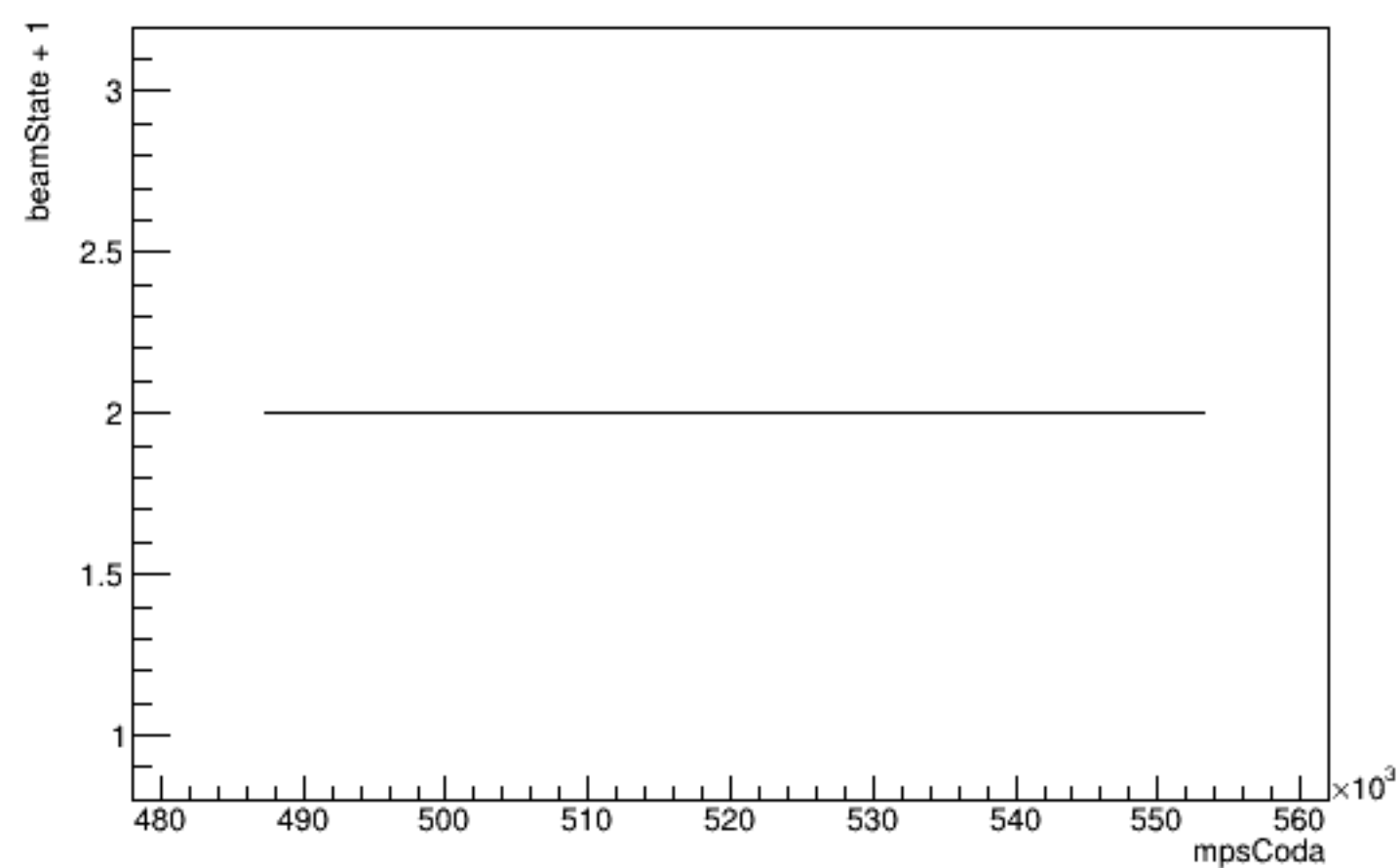
Acc0/NAcc0:mpsCoda {mpsCoda>=487352 && mpsCoda<=553295 && beamState==1}



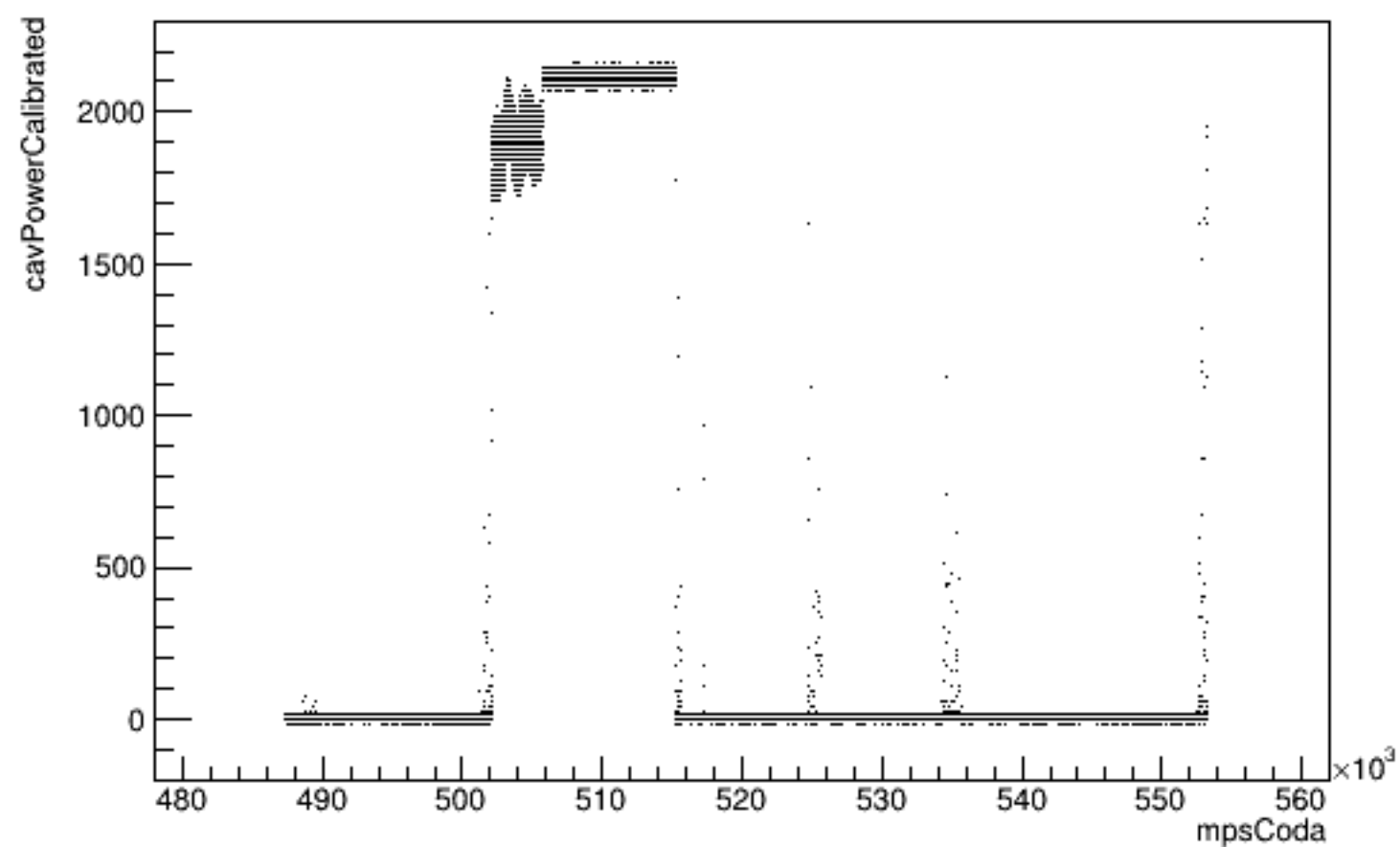
laserState:mpsCoda {mpsCoda&gt;=487352 &amp;&amp; mpsCoda&lt;=553295}



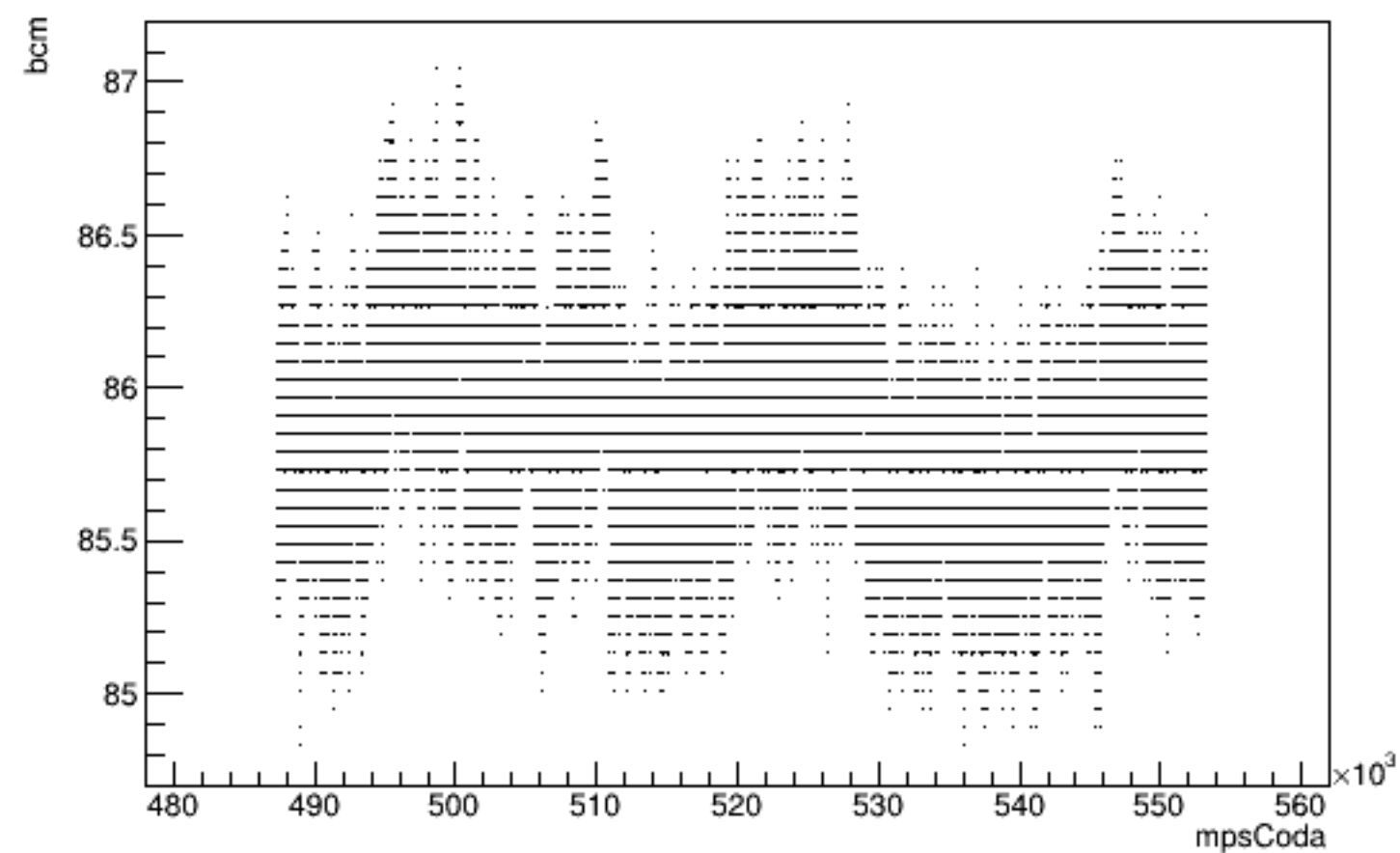
beamState + 1:mpsCoda {mpsCoda&gt;=487352 &amp;&amp; mpsCoda&lt;=553295}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=487352 &amp;&amp; mpsCoda&lt;=553295}



bcm:mpsCoda {mpsCoda&gt;=487352 &amp;&amp; mpsCoda&lt;=553295}



## Cycle 12, Diffs

Entries: 4651

Mean: 0.0067 +/- 0.0029

Std Dev: 0.1954 +/- 0.0020

Entries: 507

Mean: 0.1194 +/- 0.0129

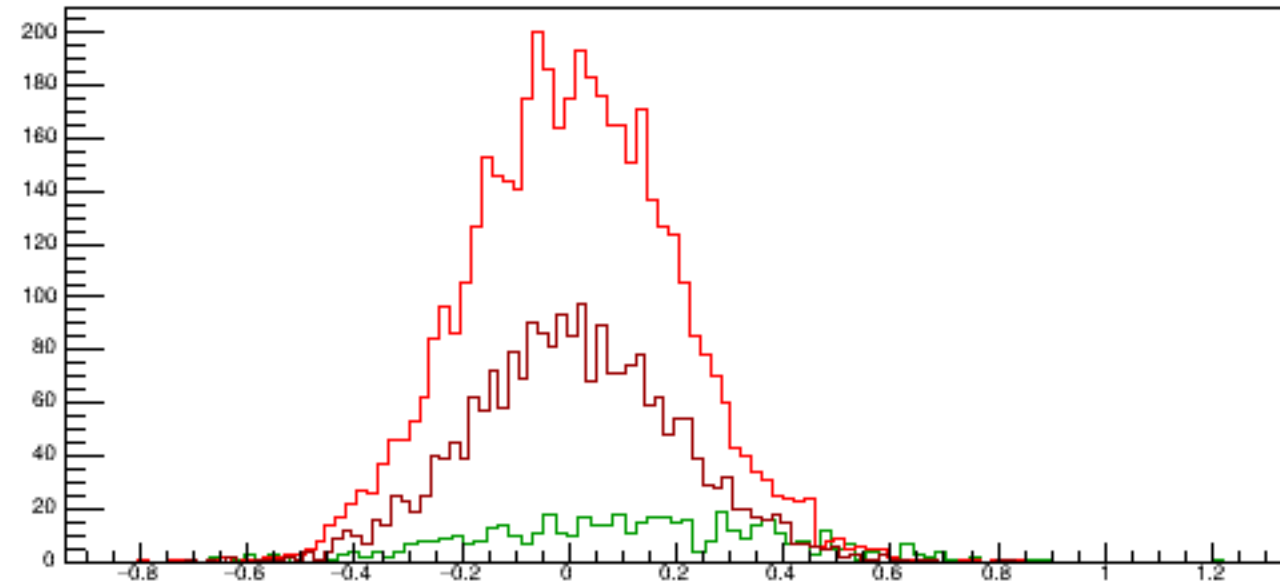
Std Dev: 0.2909 +/- 0.0091

Entries: 2280

Mean: 0.0104 +/- 0.0041

Std Dev: 0.1967 +/- 0.0029

Run 4611 quartetwise, Diffs



## Cycle 12, Sums

Entries: 4651

Mean: 14.7203 +/- 0.0036

Std Dev: 0.2471 +/- 0.0026

Entries: 507

Mean: 22.8561 +/- 0.0235

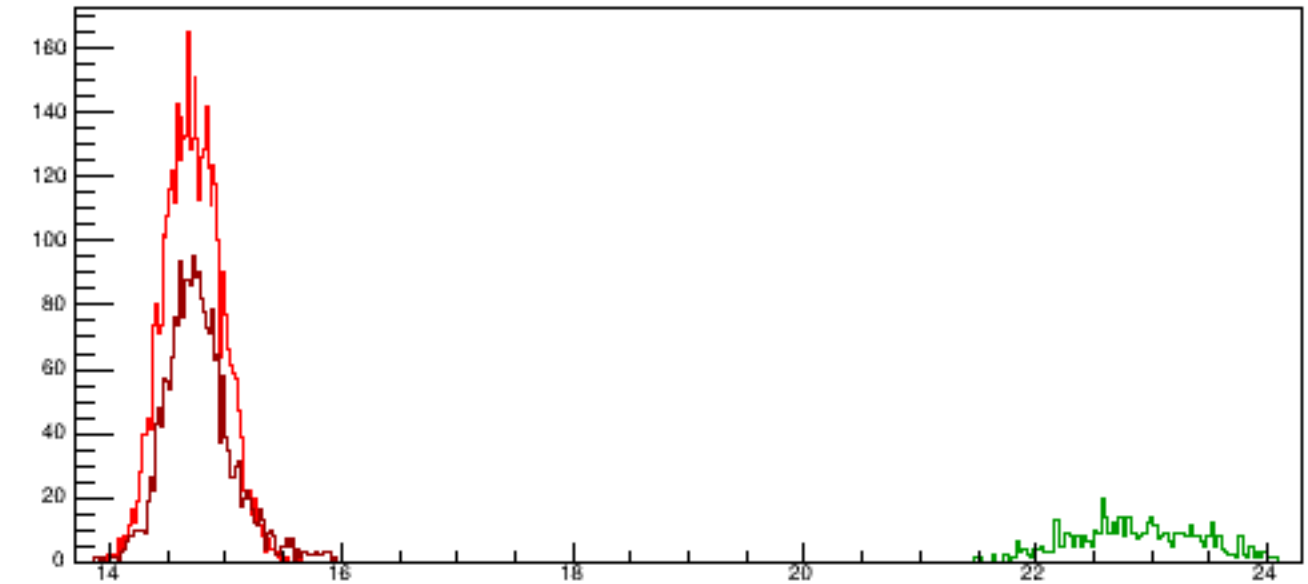
Std Dev: 0.5287 +/- 0.0166

Entries: 2280

Mean: 14.7705 +/- 0.0061

Std Dev: 0.2912 +/- 0.0043

Run 4611 quartetwise, Sums



## Cycle 12, Asyms

Entries: 4651

Mean: 0.0008 +/- 0.0004

Std Dev: 0.0241 +/- 0.0002

Entries: 507

Mean: 0.0147 +/- 0.0016

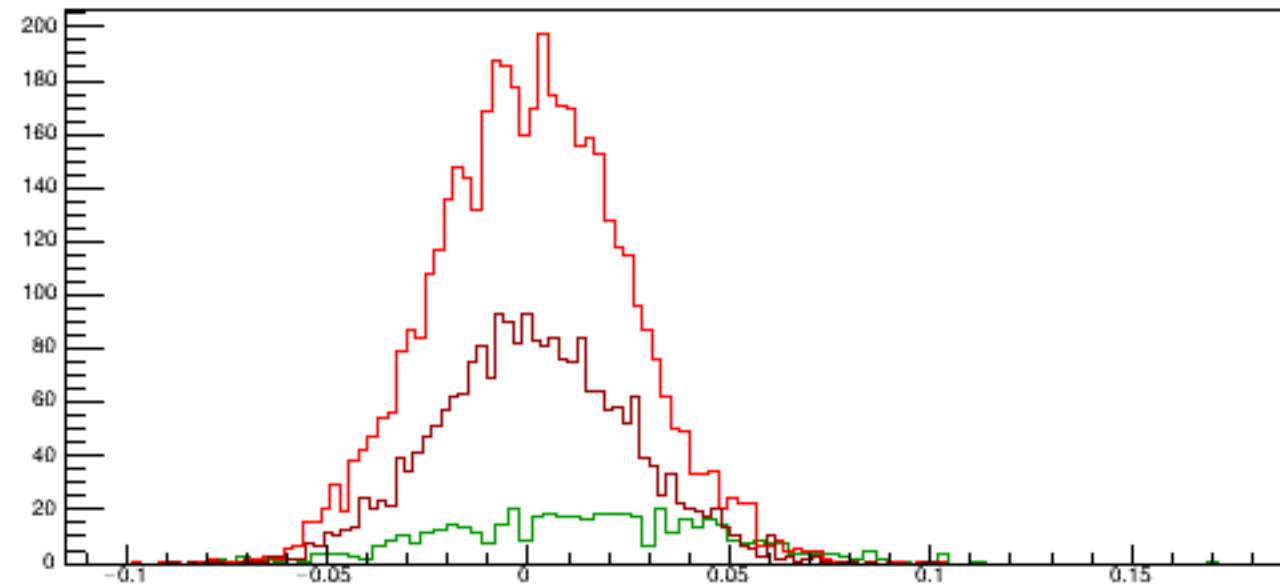
Std Dev: 0.0361 +/- 0.0011

Entries: 2280

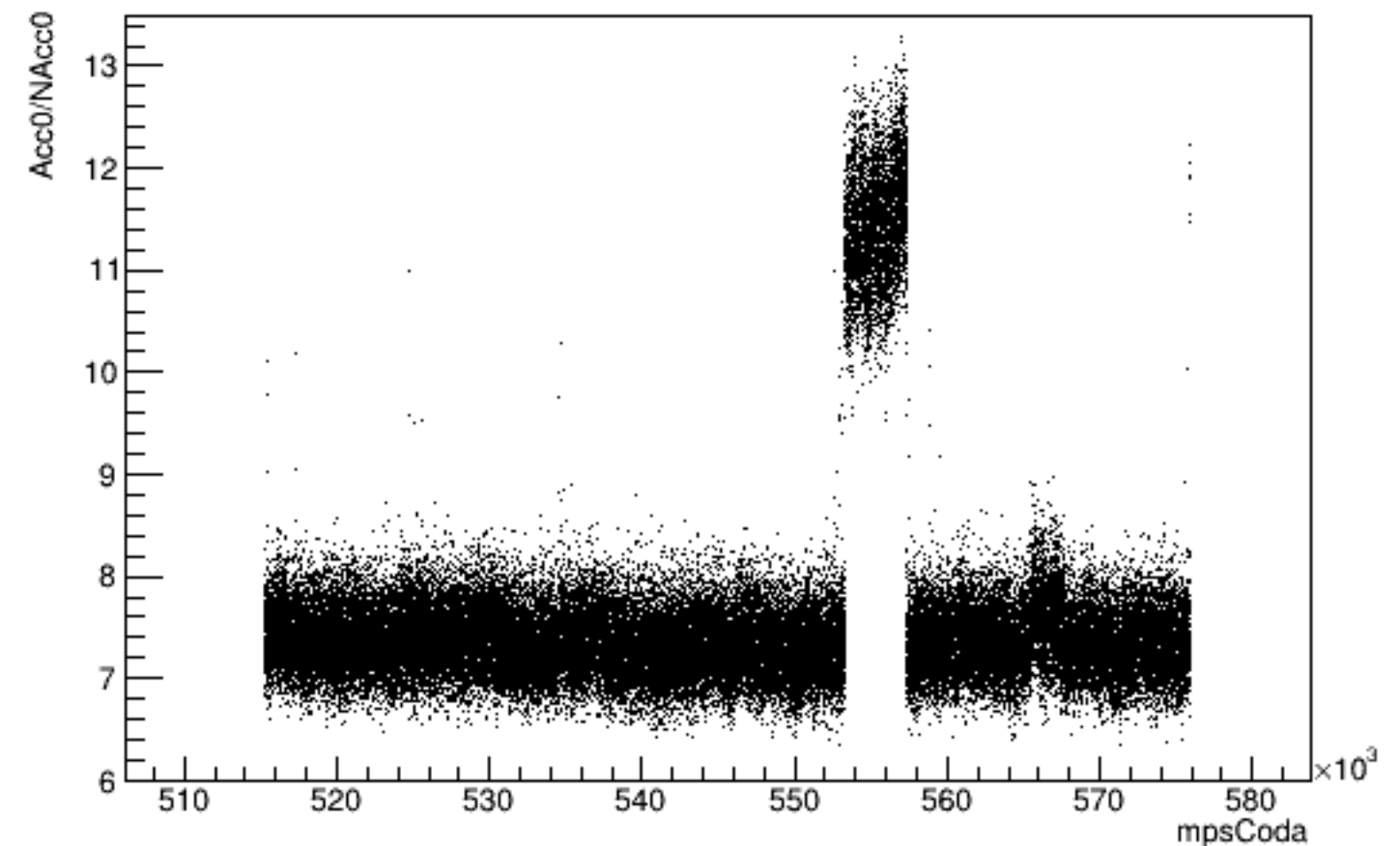
Mean: 0.0013 +/- 0.0005

Std Dev: 0.0243 +/- 0.0004

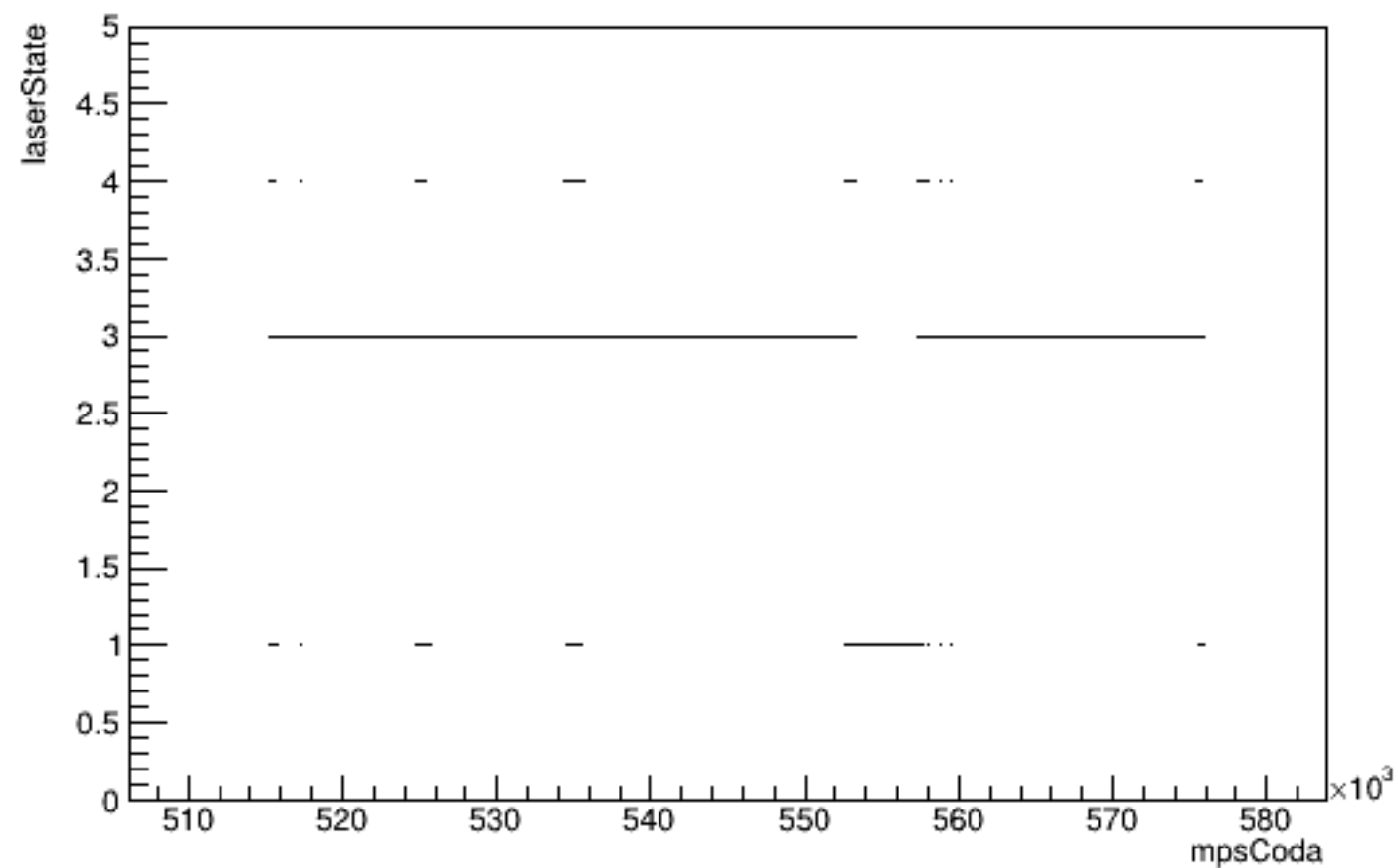
Run 4611 quartetwise, Asyms



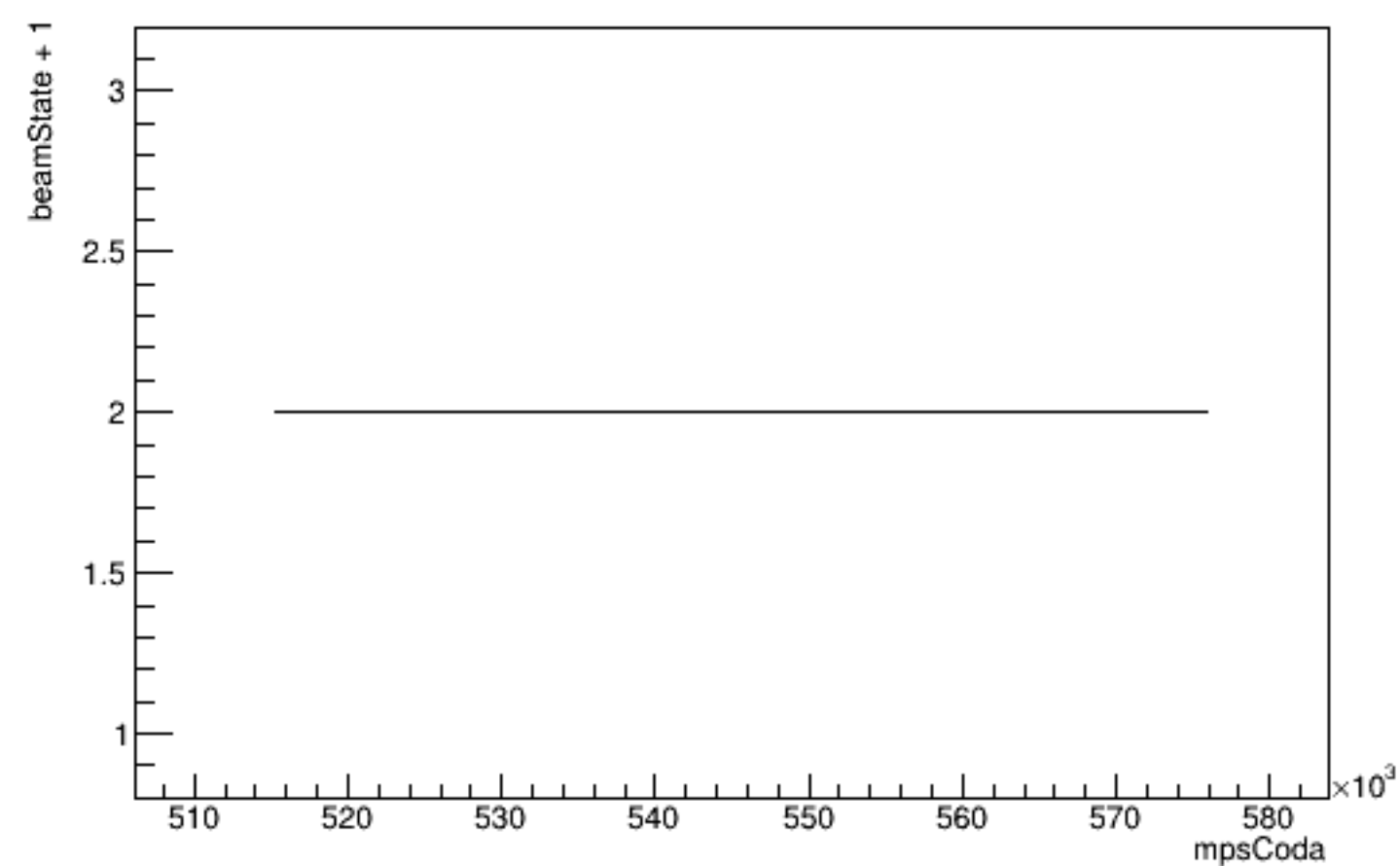
Acc0/NAcc0:mpsCoda {mpsCoda>=515280 && mpsCoda<=575895 && beamState==1}



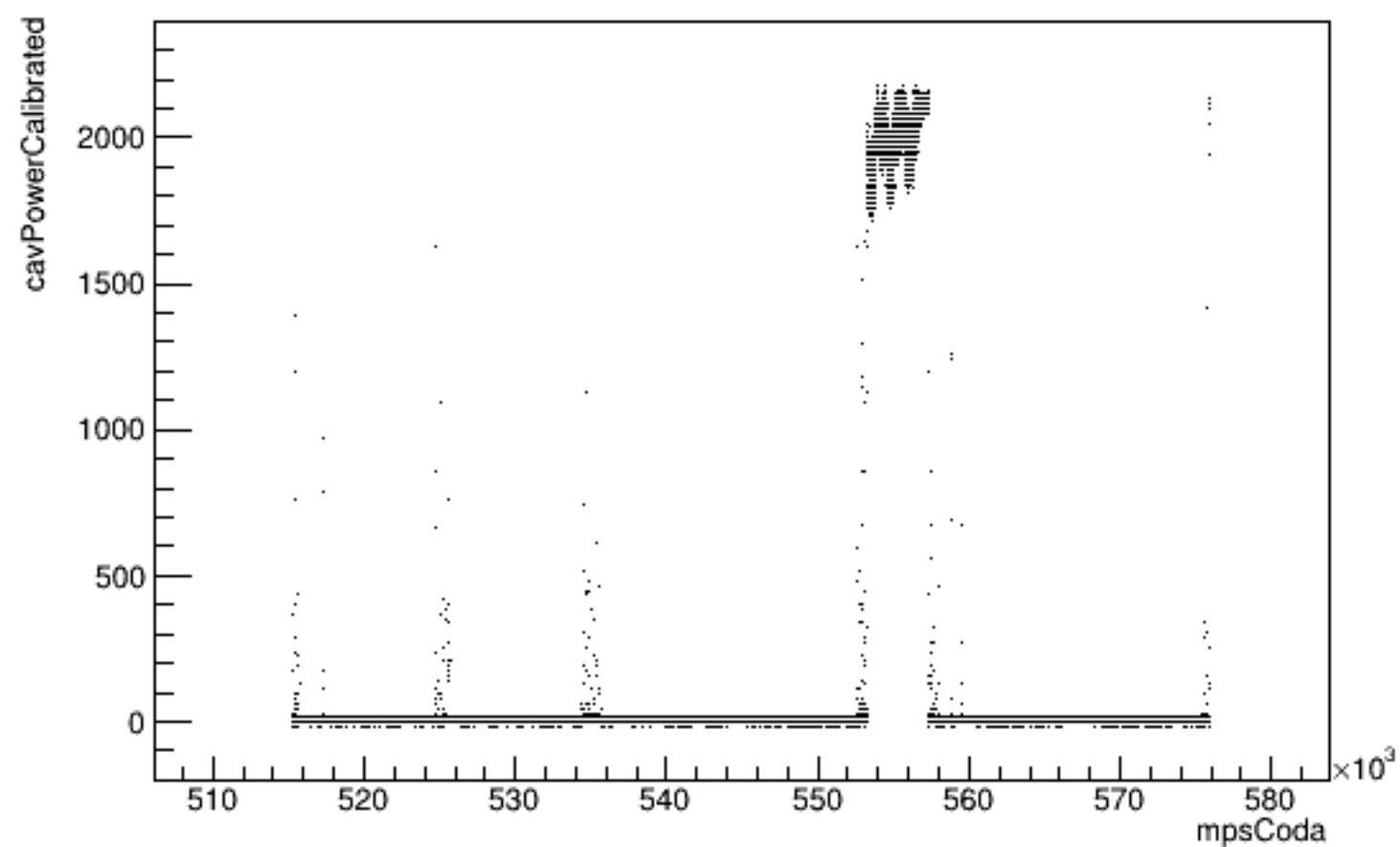
laserState:mpsCoda {mpsCoda&gt;=515280 &amp;&amp; mpsCoda&lt;=575895}



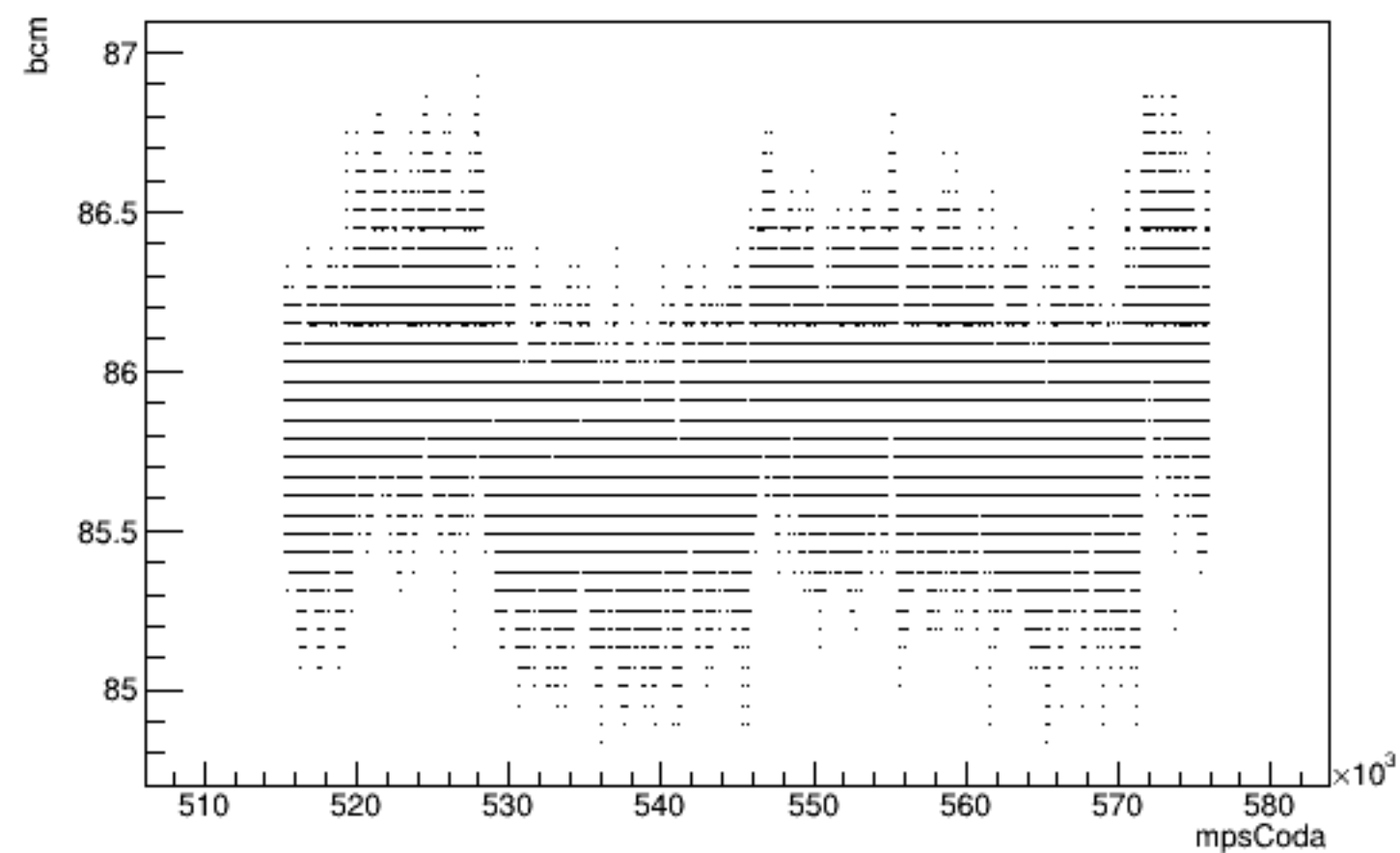
beamState + 1:mpsCoda {mpsCoda&gt;=515280 &amp;&amp; mpsCoda&lt;=575895}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=515280 &amp;&amp; mpsCoda&lt;=575895}



bcm:mpsCoda {mpsCoda&gt;=515280 &amp;&amp; mpsCoda&lt;=575895}



## Cycle 13, Diffs

Entries: 2280

Mean: 0.0104 +/- 0.0041

Std Dev: 0.1967 +/- 0.0029

Entries: 1007

Mean: 0.1242 +/- 0.0088

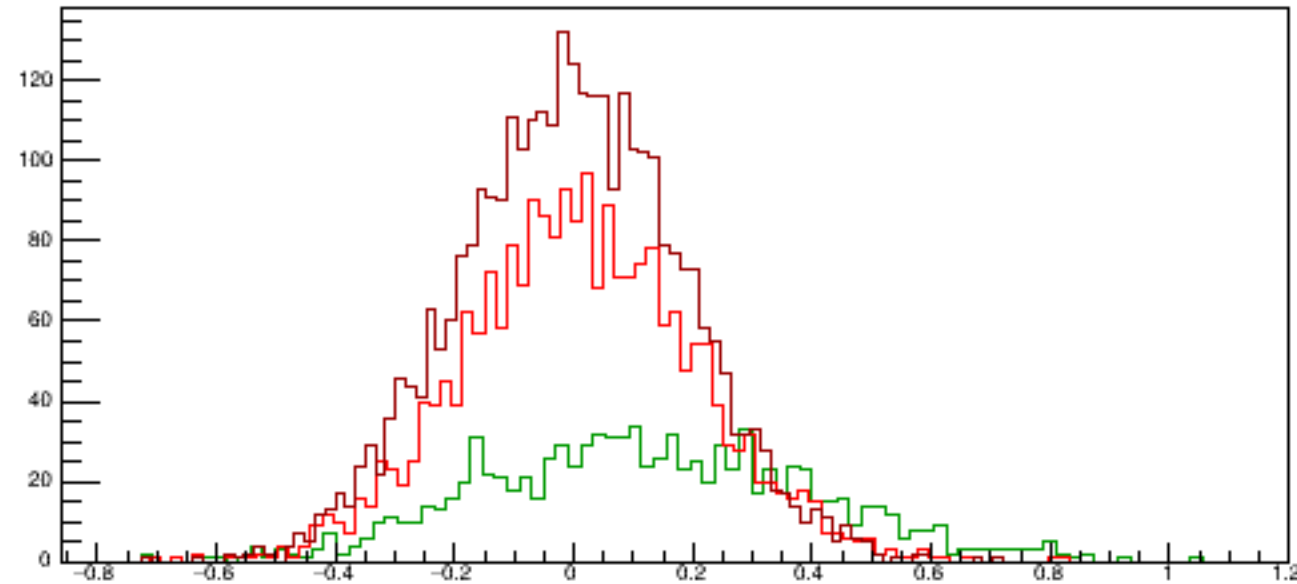
Std Dev: 0.2778 +/- 0.0062

Entries: 3302

Mean: -0.0046 +/- 0.0033

Std Dev: 0.1873 +/- 0.0023

Run 4611 quartetwise, Diffs



## Cycle 13, Sums

Entries: 2280

Mean: 14.7705 +/- 0.0061

Std Dev: 0.2912 +/- 0.0043

Entries: 1007

Mean: 23.2090 +/- 0.0131

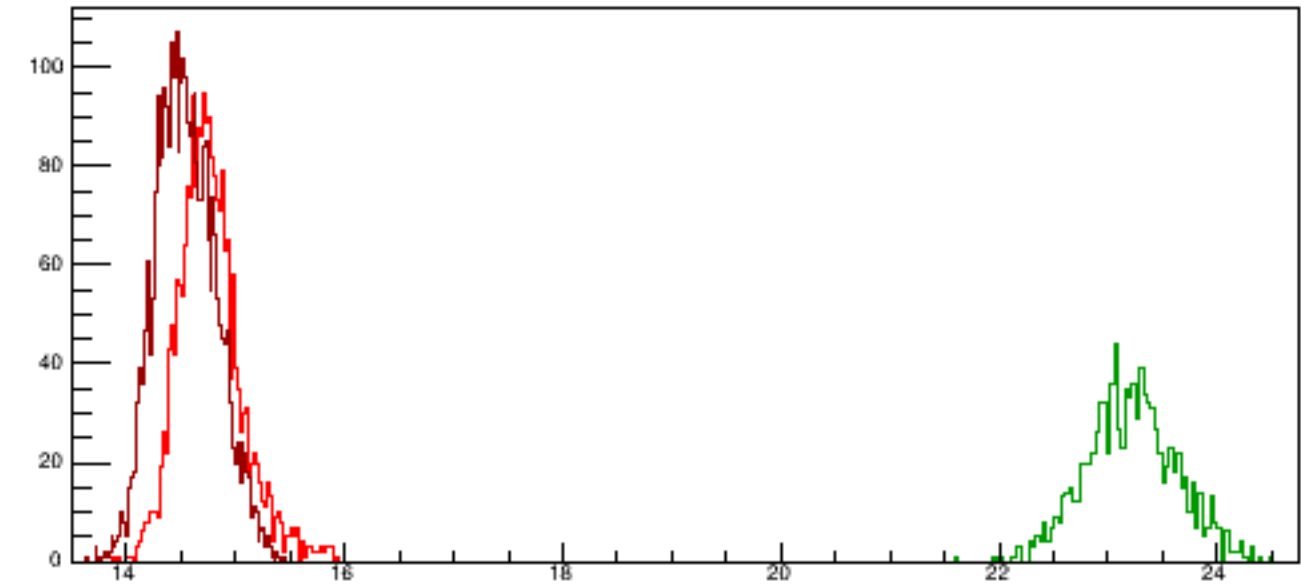
Std Dev: 0.4150 +/- 0.0092

Entries: 3302

Mean: 14.5467 +/- 0.0048

Std Dev: 0.2751 +/- 0.0034

Run 4611 quartetwise, Sums



## Cycle 13, Asyms

Entries: 2280

Mean: 0.0012 +/- 0.0005

Std Dev: 0.0230 +/- 0.0003

Entries: 1007

Mean: 0.0145 +/- 0.0010

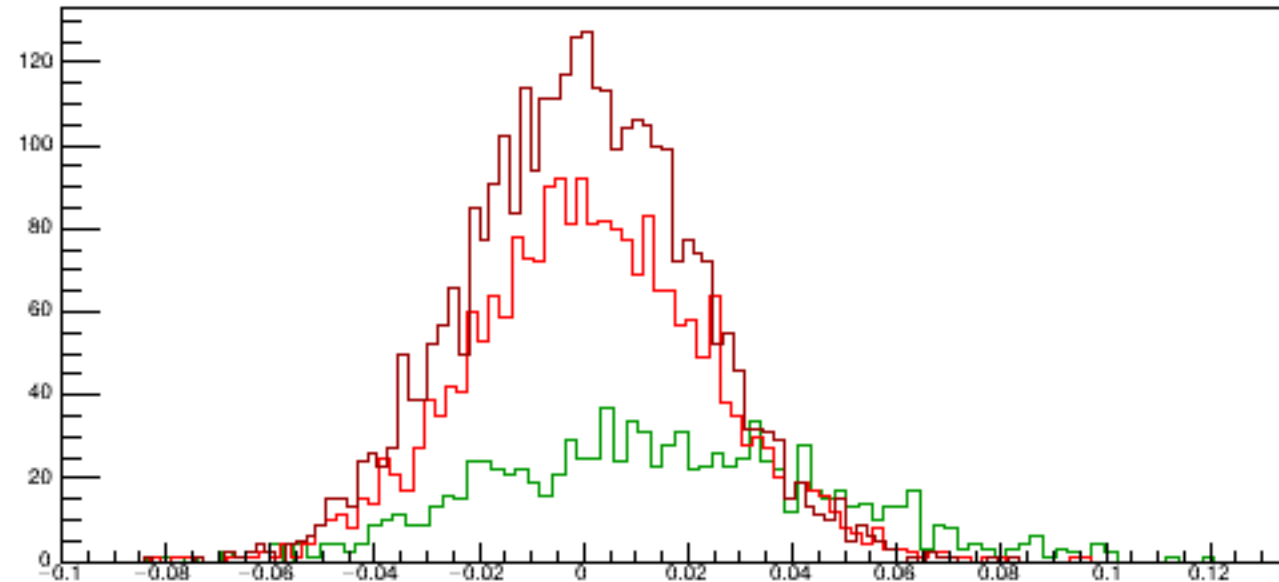
Std Dev: 0.0325 +/- 0.0007

Entries: 3302

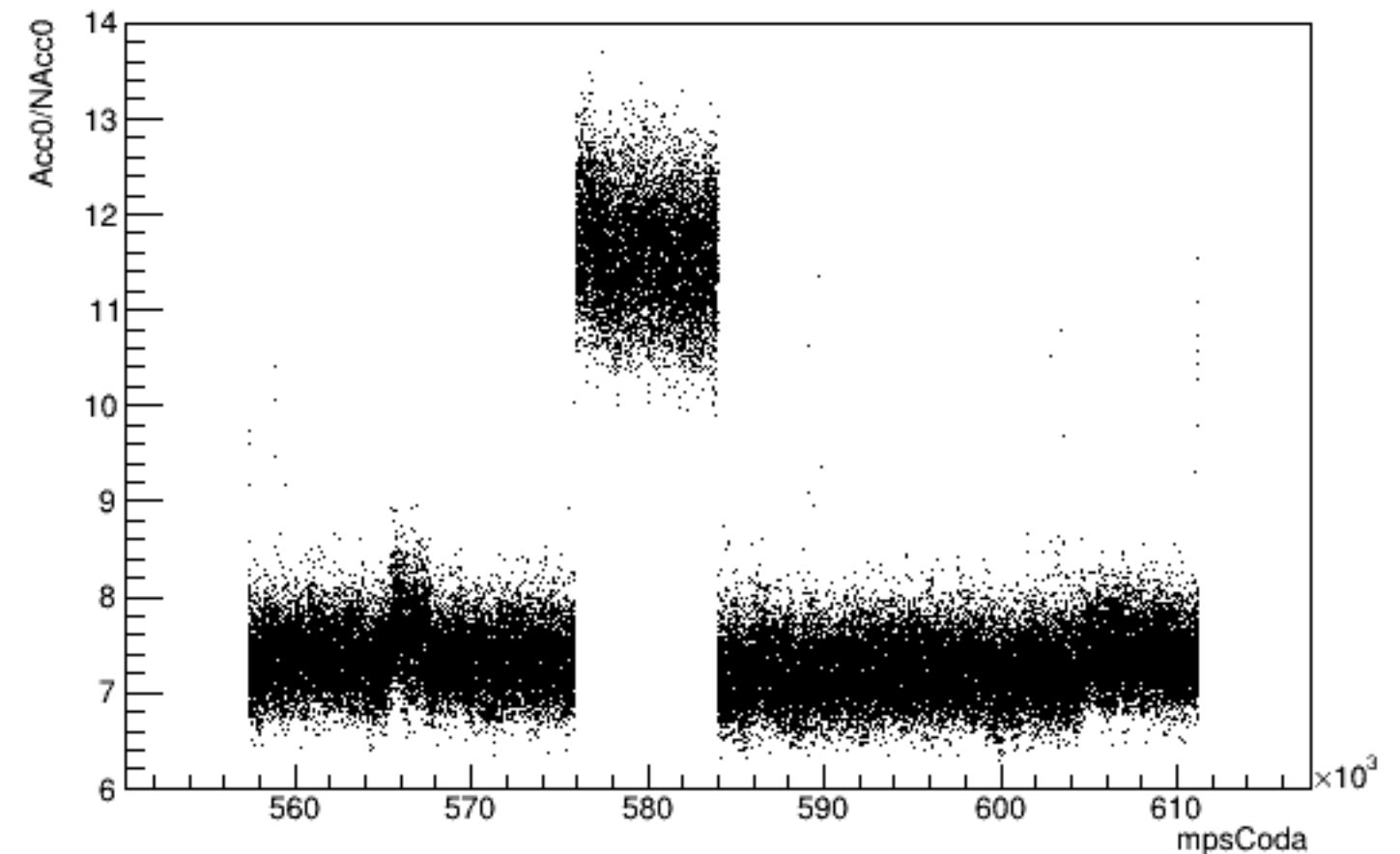
Mean: -0.0005 +/- 0.0004

Std Dev: 0.0219 +/- 0.0003

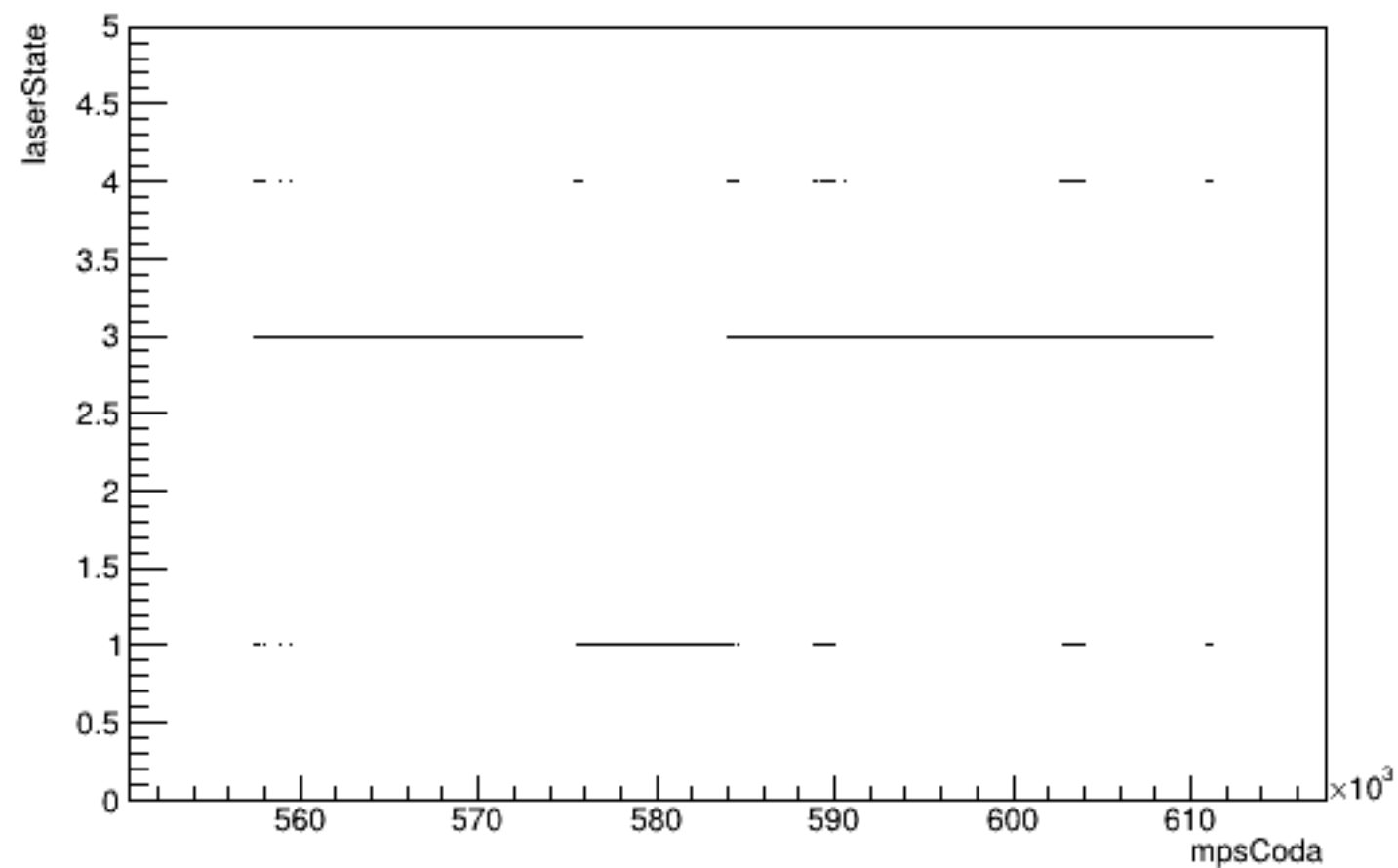
Run 4611 quartetwise, Asyms



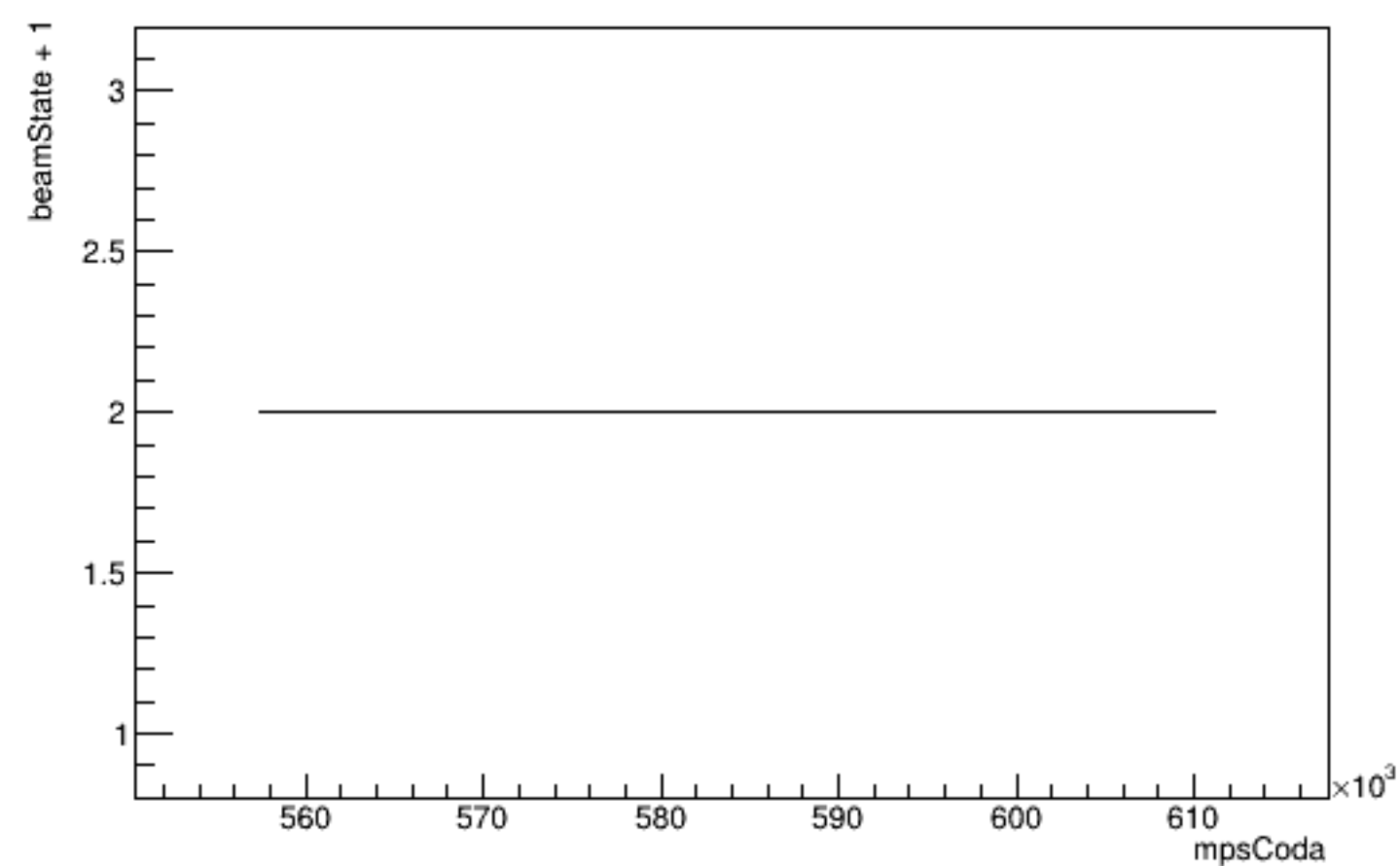
Acc0/NAcc0:mpsCoda {mpsCoda>=557352 && mpsCoda<=611231 && beamState==1}



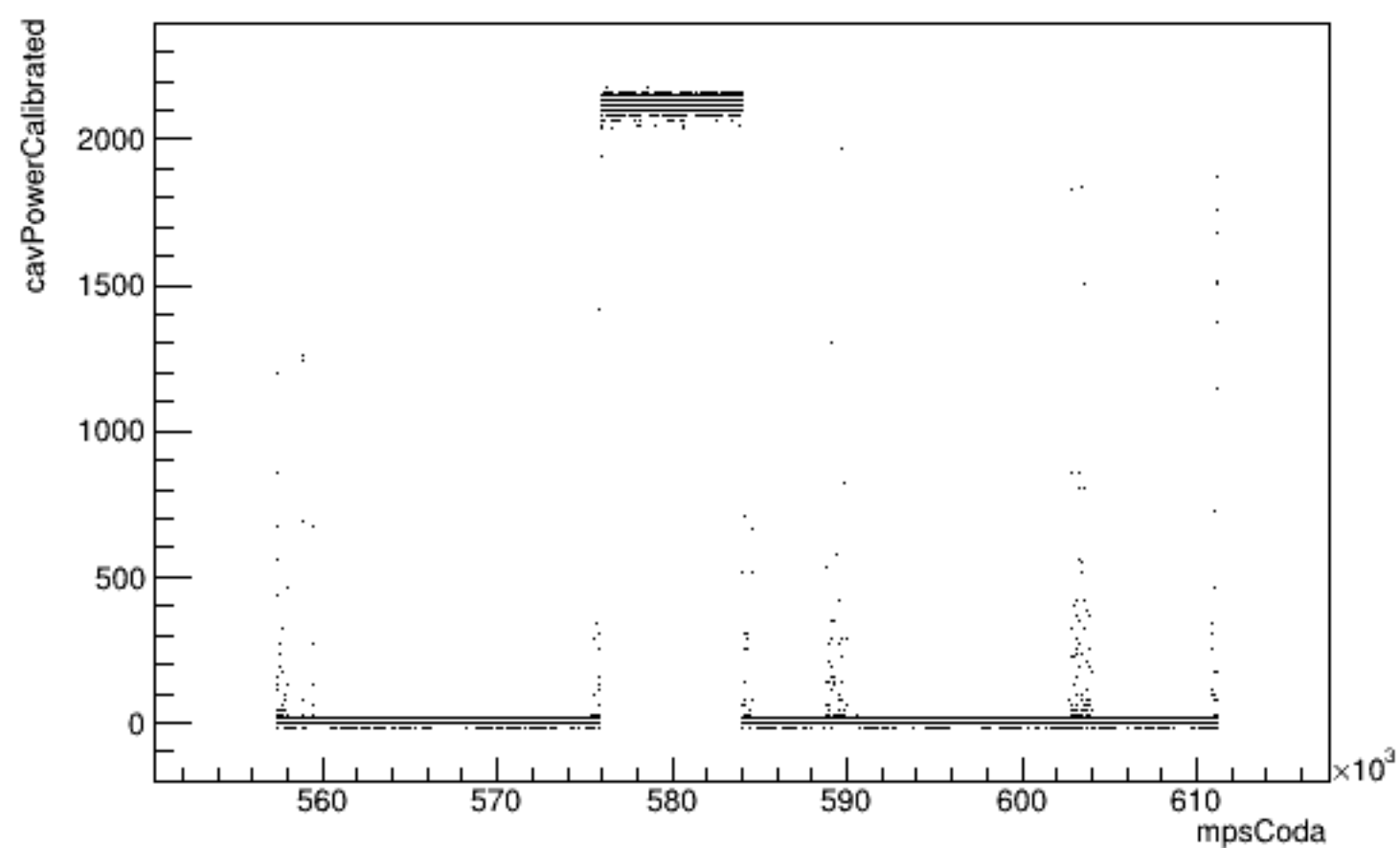
laserState:mpsCoda {mpsCoda&gt;=557352 &amp;&amp; mpsCoda&lt;=611231}



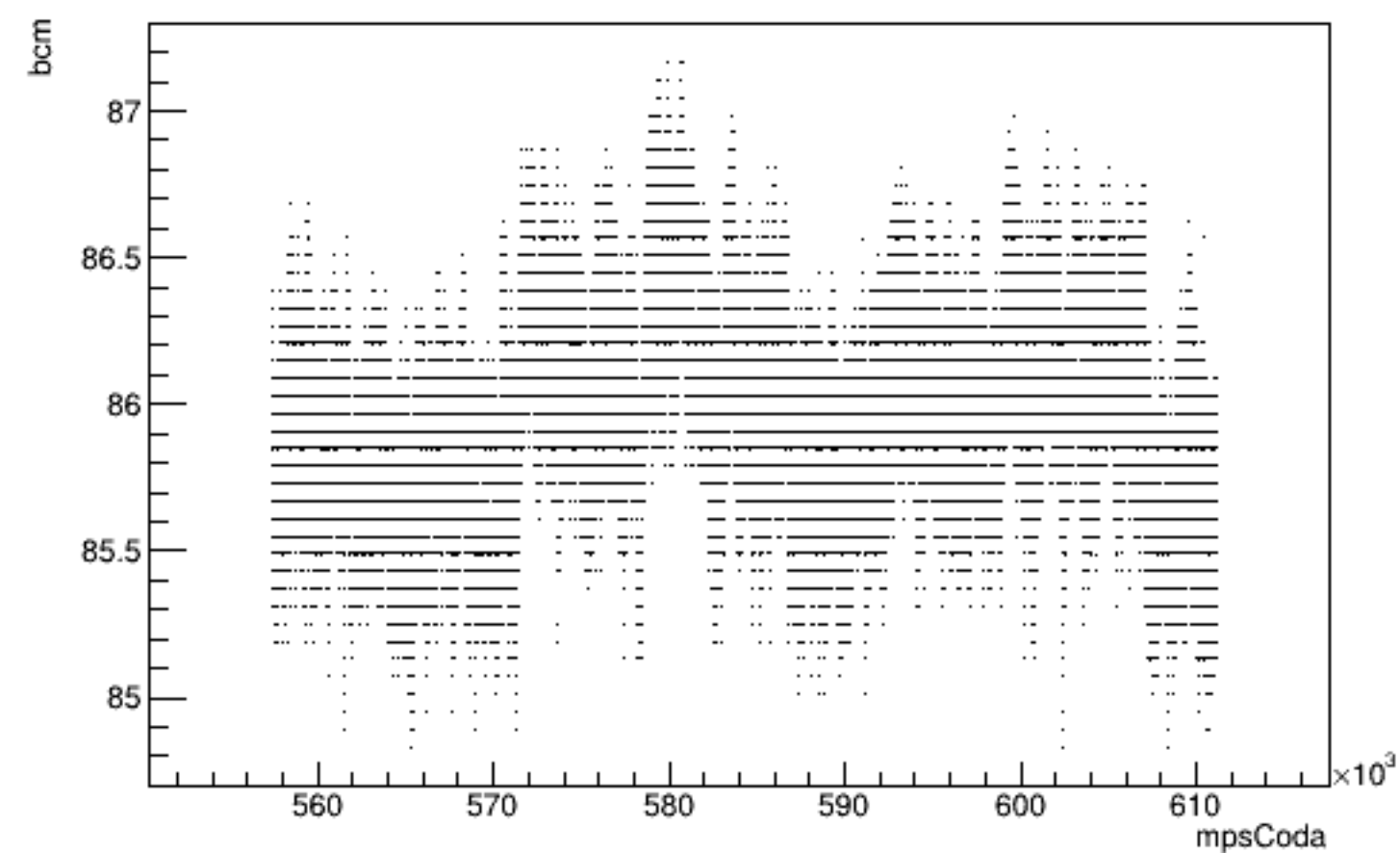
beamState + 1:mpsCoda {mpsCoda&gt;=557352 &amp;&amp; mpsCoda&lt;=611231}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=557352 &amp;&amp; mpsCoda&lt;=611231}



bcm:mpsCoda {mpsCoda&gt;=557352 &amp;&amp; mpsCoda&lt;=611231}



## Cycle 14, Diffs

Entries: 3302

Mean: -0.0046 +/- 0.0033

Std Dev: 0.1873 +/- 0.0023

Entries: 2641

Mean: 0.1248 +/- 0.0056

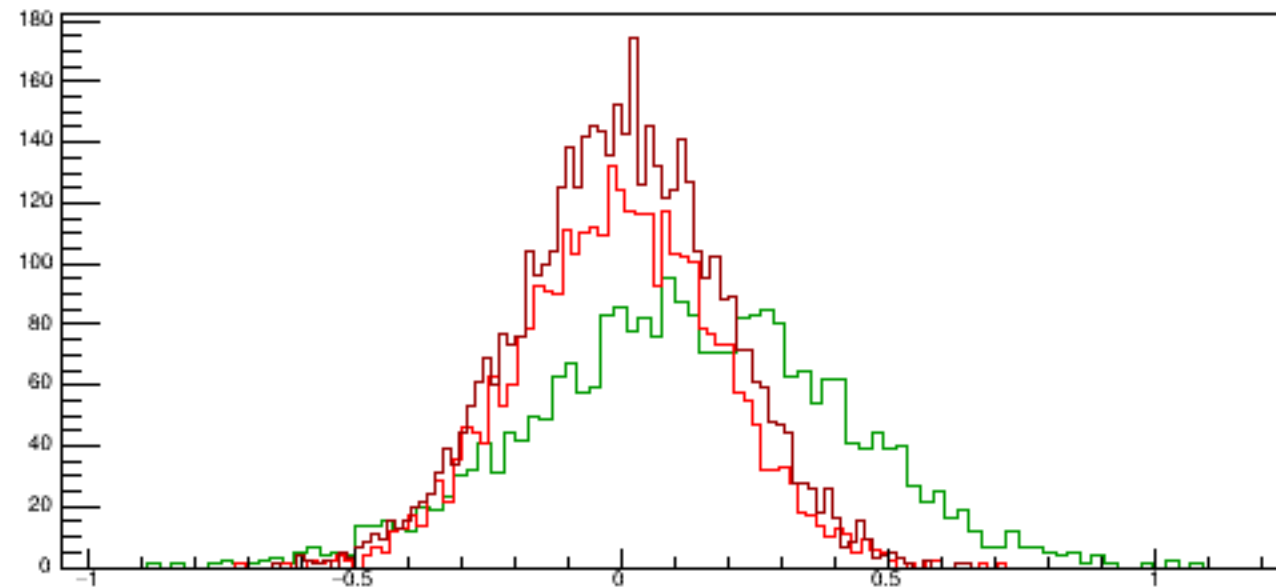
Std Dev: 0.2861 +/- 0.0039

Entries: 4606

Mean: -0.0006 +/- 0.0028

Std Dev: 0.1902 +/- 0.0020

Run 4611 quartetwise, Diffs



## Cycle 14, Sums

Entries: 3302

Mean: 14.5467 +/- 0.0048

Std Dev: 0.2751 +/- 0.0034

Entries: 2641

Mean: 23.1525 +/- 0.0097

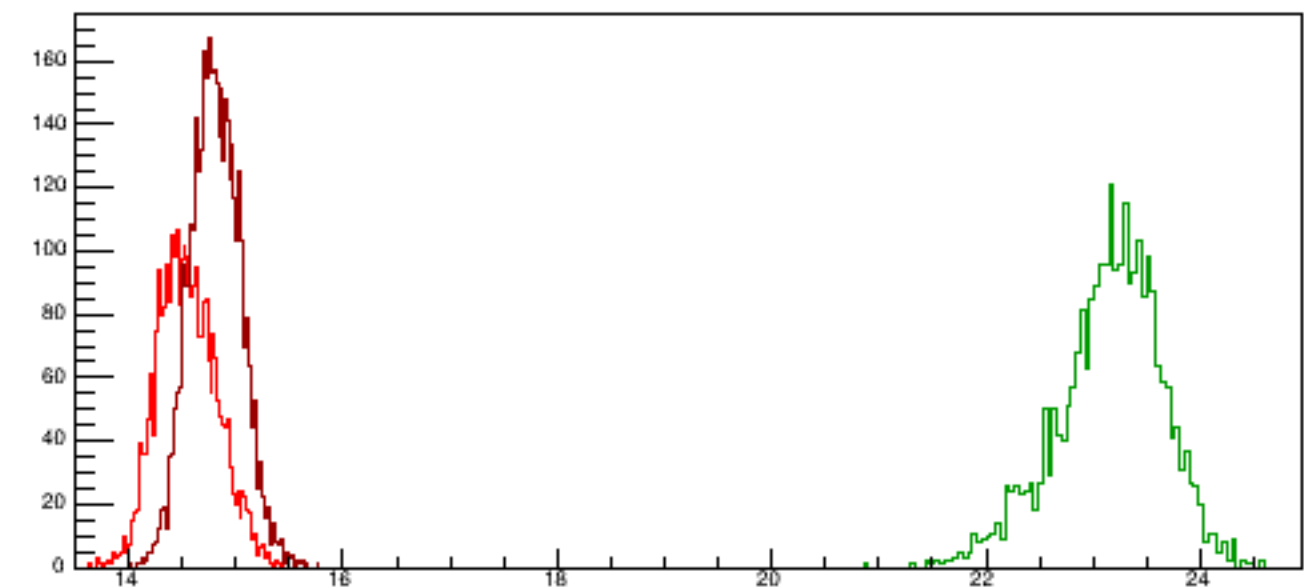
Std Dev: 0.4965 +/- 0.0068

Entries: 4606

Mean: 14.8088 +/- 0.0035

Std Dev: 0.2351 +/- 0.0024

Run 4611 quartetwise, Sums



## Cycle 14, Asyms

Entries: 3302

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0221 +/- 0.0003

Entries: 2641

Mean: 0.0147 +/- 0.0007

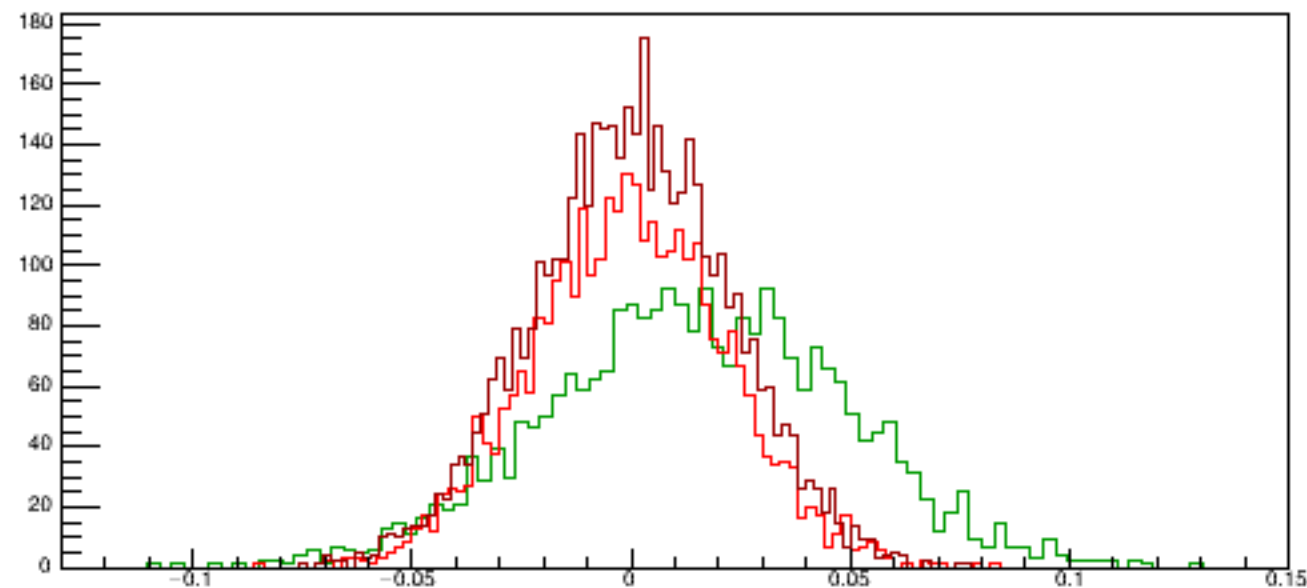
Std Dev: 0.0337 +/- 0.0005

Entries: 4606

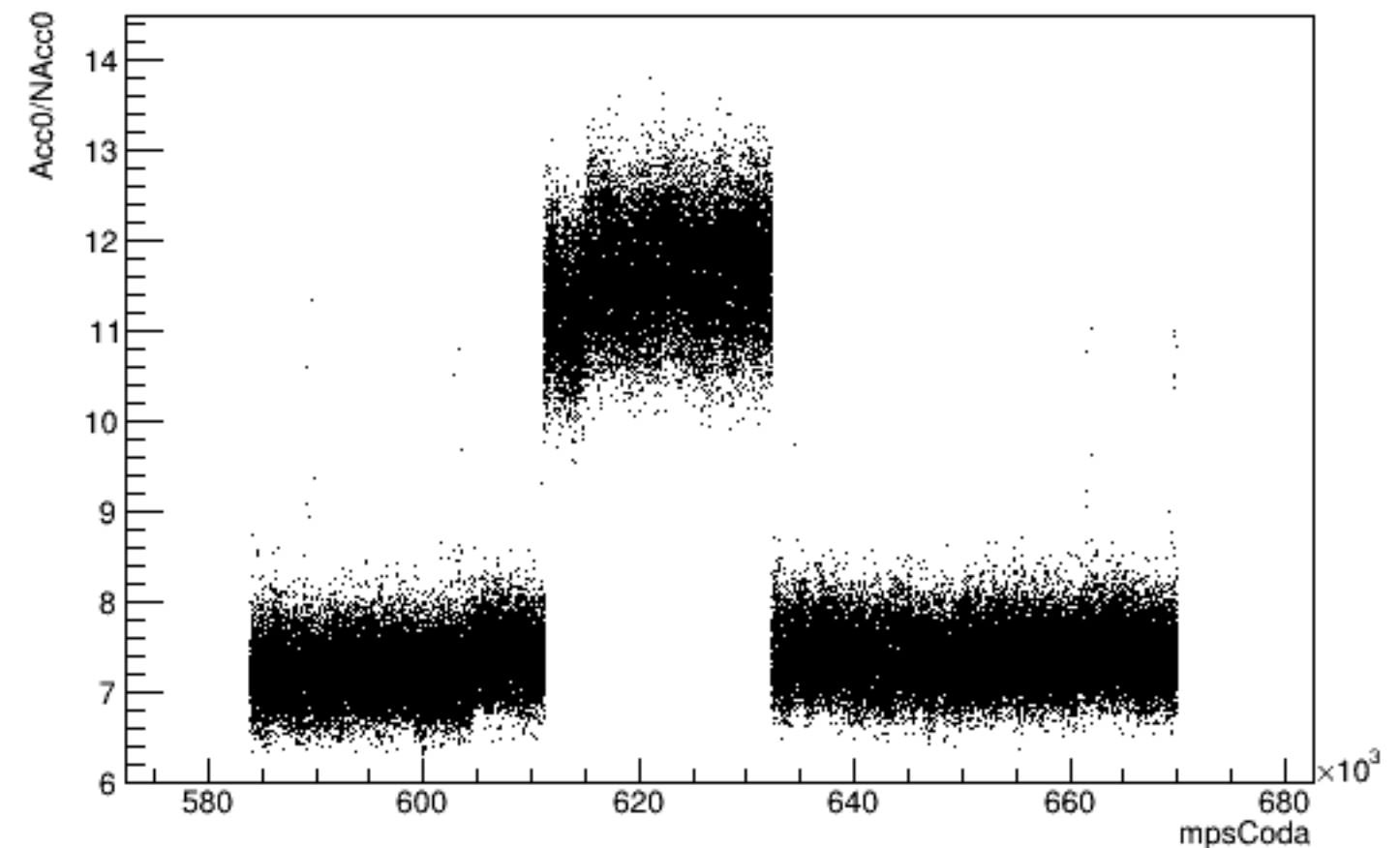
Mean: -0.0001 +/- 0.0003

Std Dev: 0.0224 +/- 0.0002

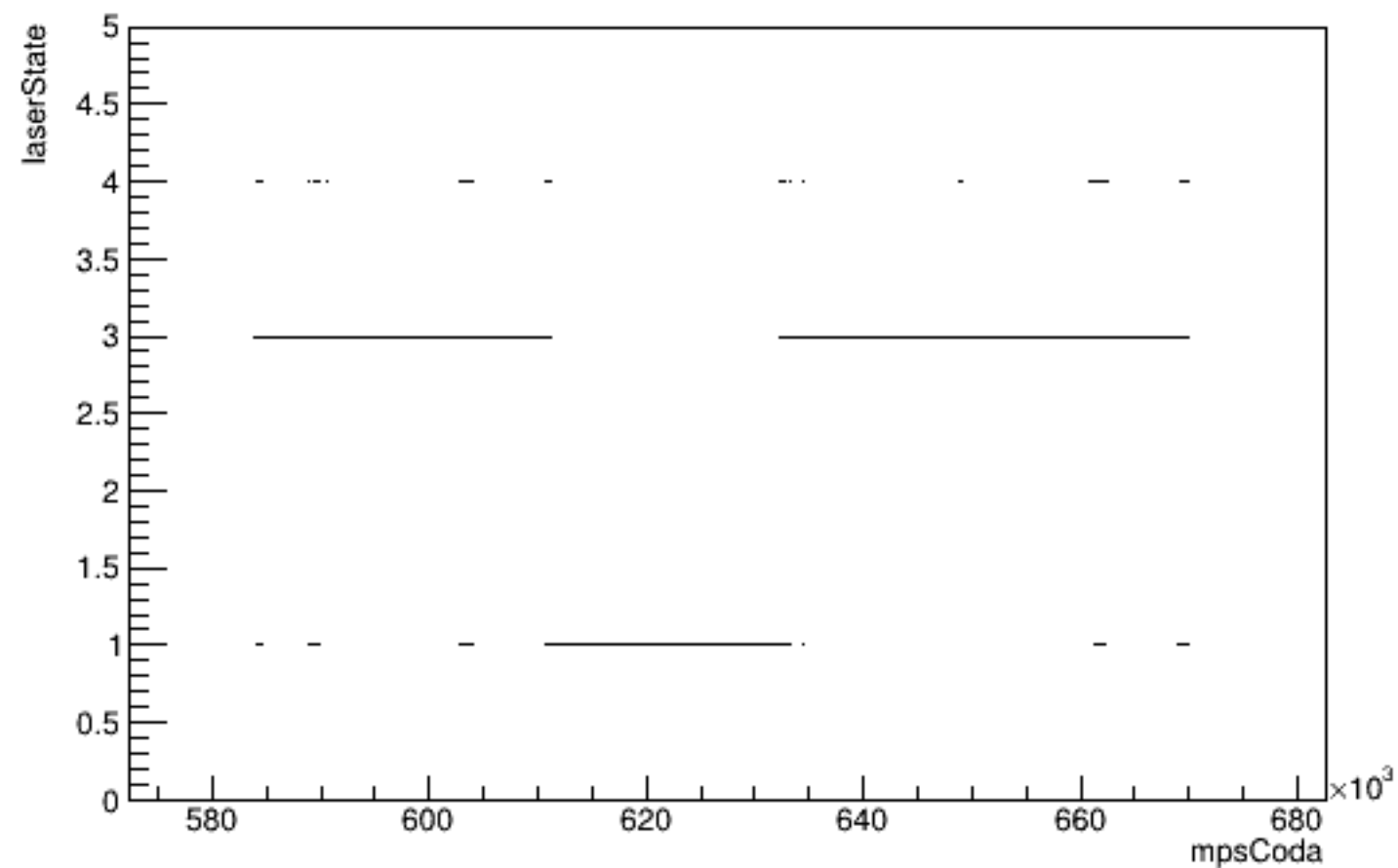
Run 4611 quartetwise, Asyms



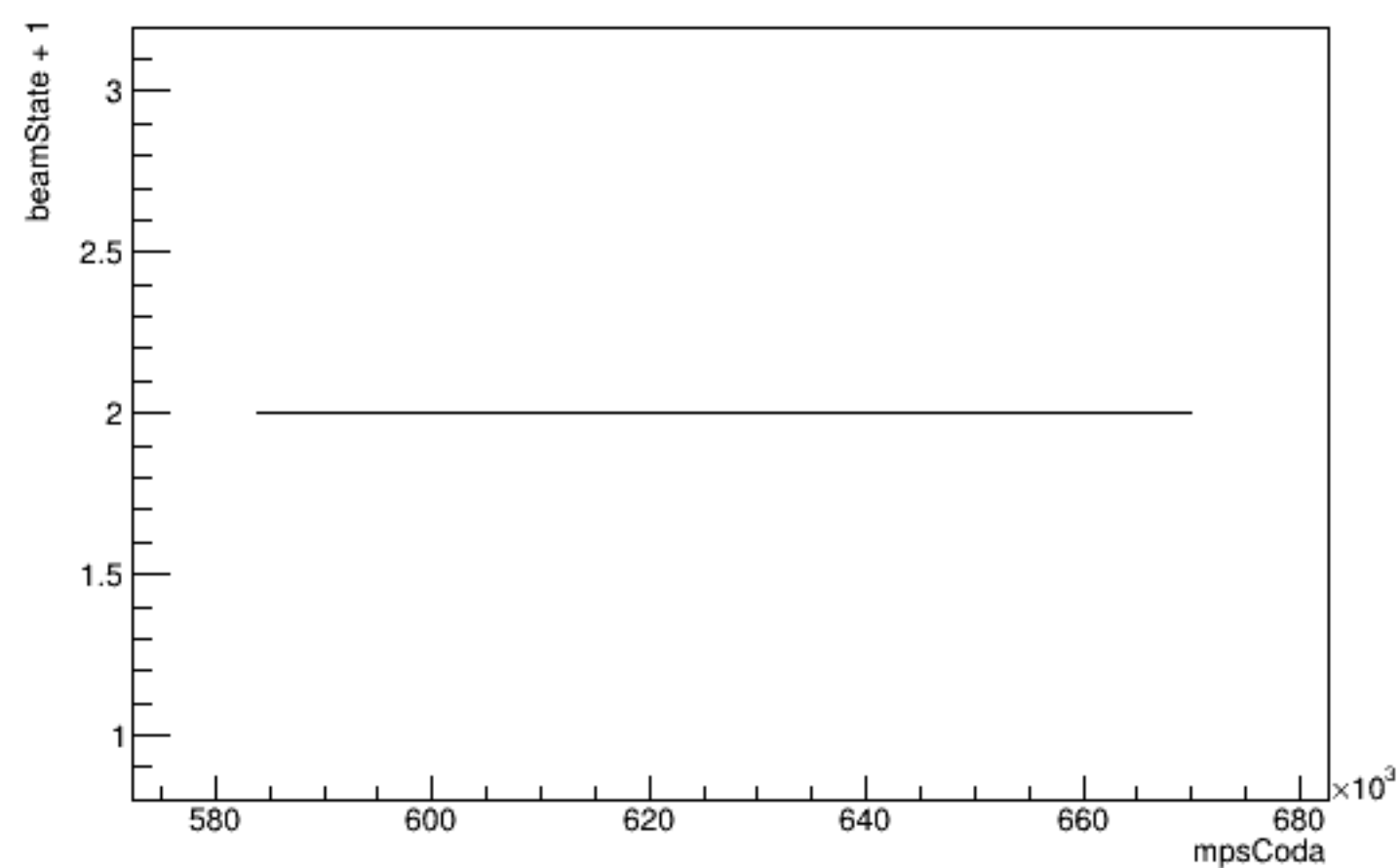
Acc0/NAcc0:mpsCoda {mpsCoda>=583960 && mpsCoda<=669887 && beamState==1}



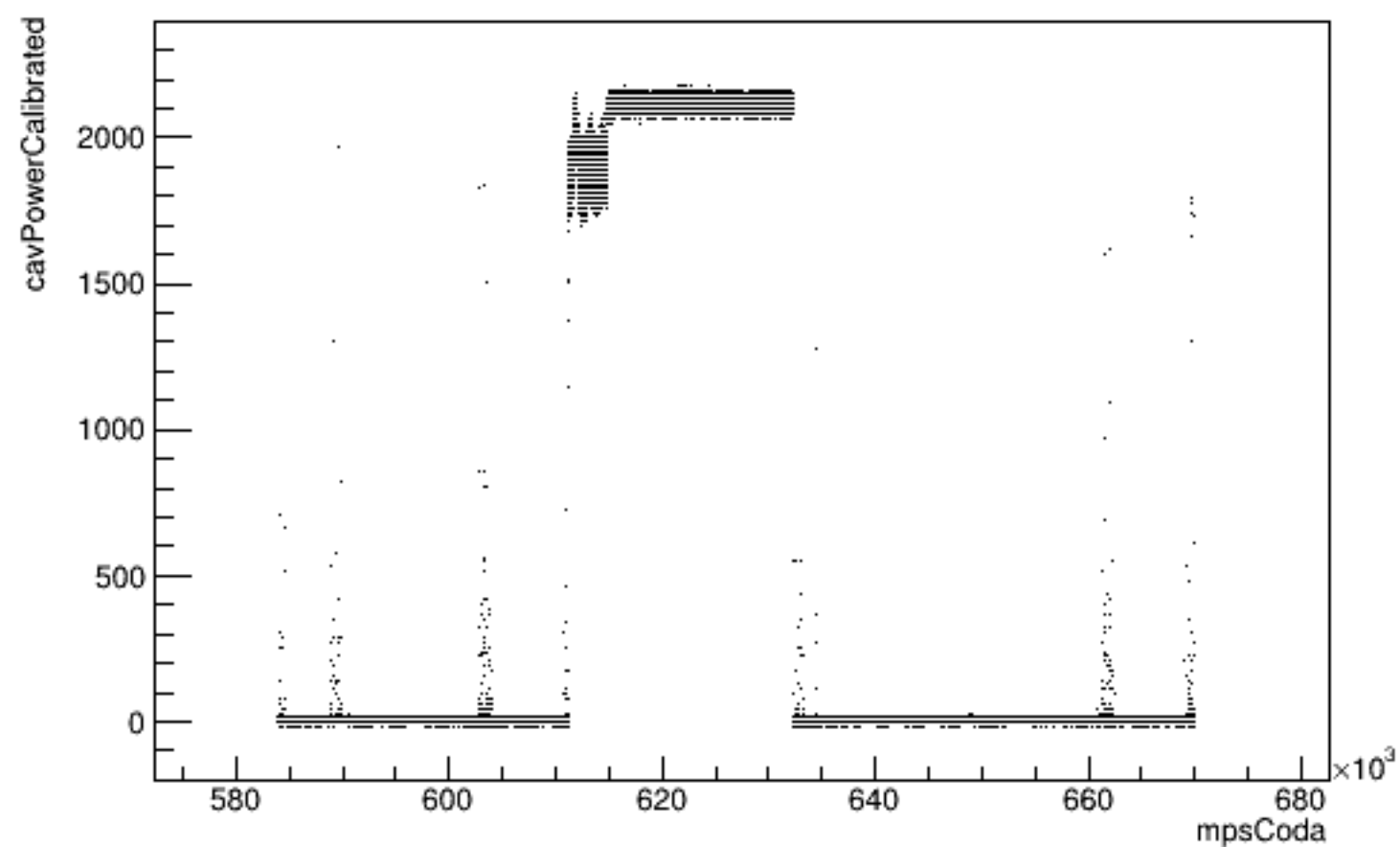
laserState:mpsCoda {mpsCoda&gt;=583960 &amp;&amp; mpsCoda&lt;=669887}



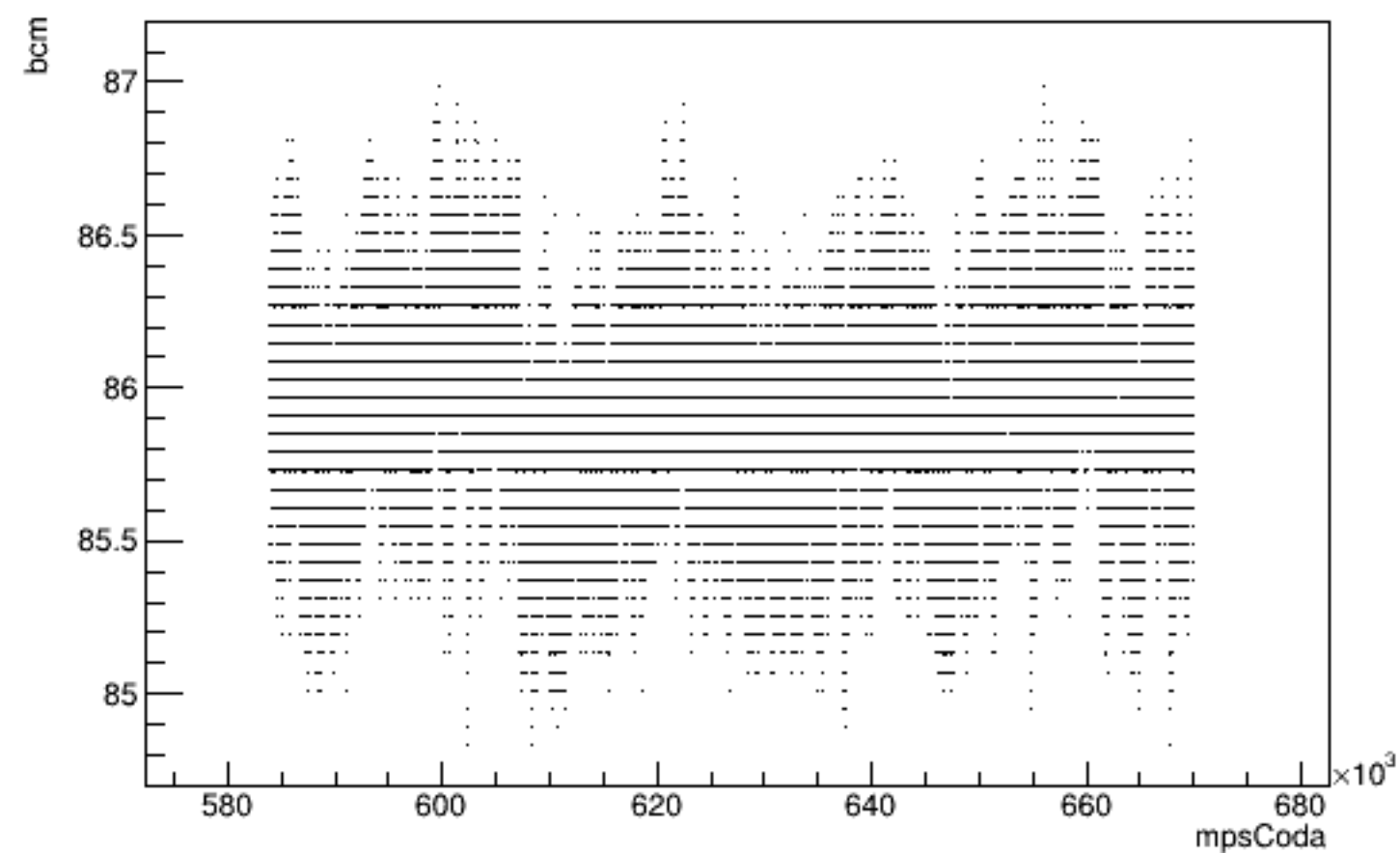
beamState + 1:mpsCoda {mpsCoda&gt;=583960 &amp;&amp; mpsCoda&lt;=669887}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=583960 &amp;&amp; mpsCoda&lt;=669887}



bcm:mpsCoda {mpsCoda&gt;=583960 &amp;&amp; mpsCoda&lt;=669887}



## Cycle 15, Diffs

Entries: 4606

Mean: -0.0006 +/- 0.0028

Std Dev: 0.1902 +/- 0.0020

Entries: 1726

Mean: 0.1257 +/- 0.0067

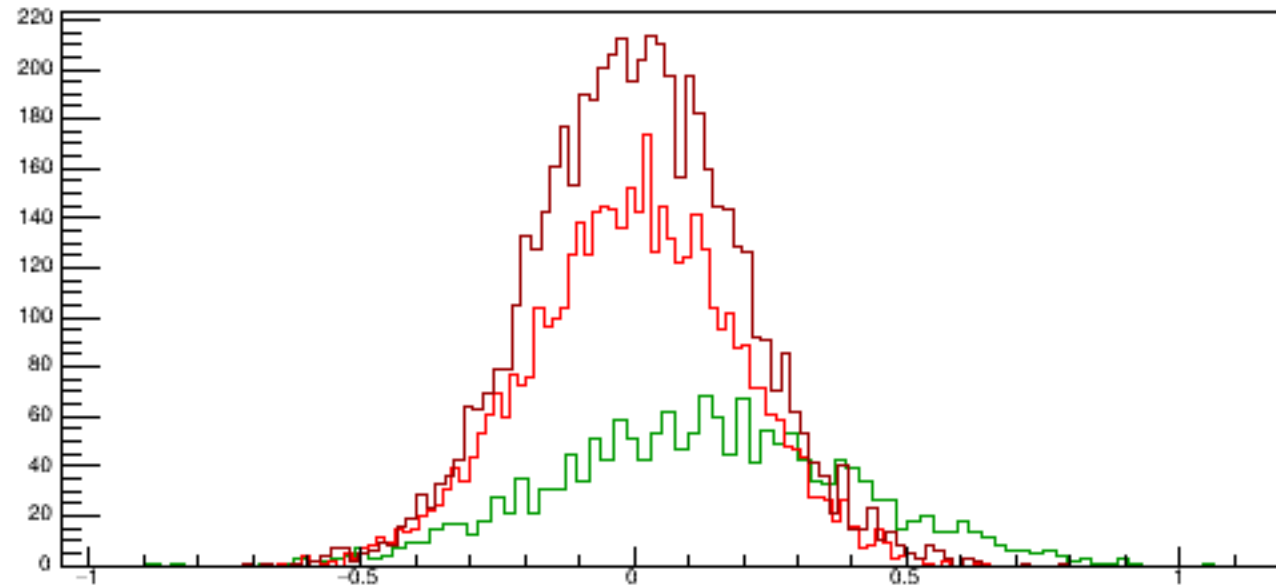
Std Dev: 0.2765 +/- 0.0047

Entries: 5566

Mean: 0.0043 +/- 0.0025

Std Dev: 0.1892 +/- 0.0018

Run 4611 quartetwise, Diffs



## Cycle 15, Sums

Entries: 4606

Mean: 14.8088 +/- 0.0035

Std Dev: 0.2351 +/- 0.0024

Entries: 1726

Mean: 23.3946 +/- 0.0113

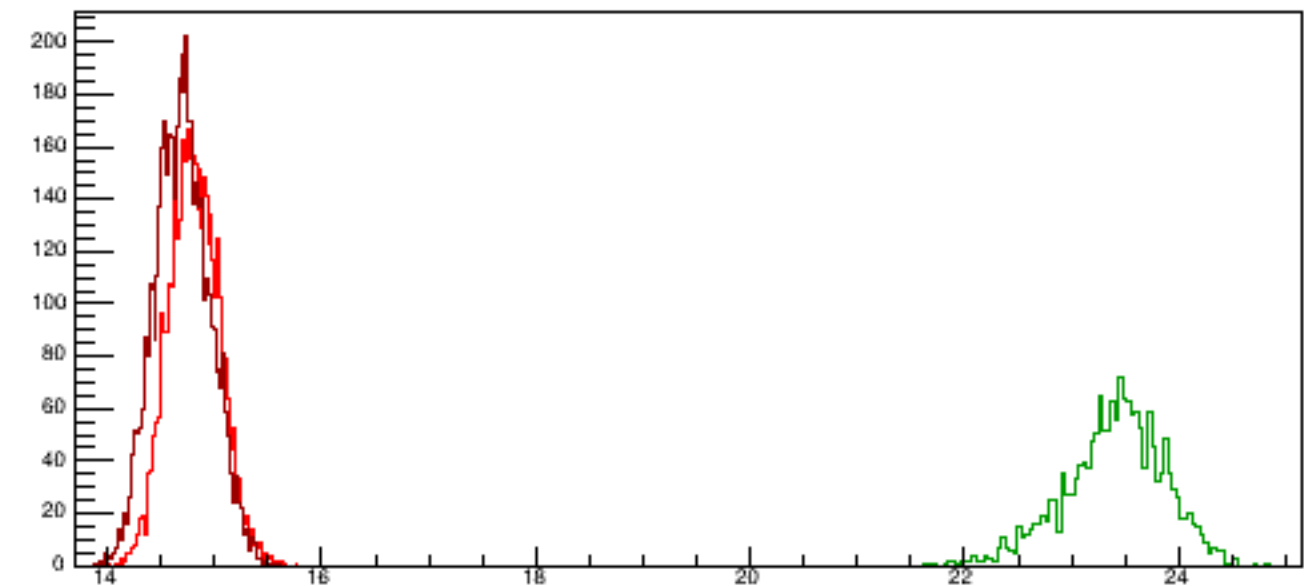
Std Dev: 0.4699 +/- 0.0080

Entries: 5566

Mean: 14.7019 +/- 0.0034

Std Dev: 0.2561 +/- 0.0024

Run 4611 quartetwise, Sums



## Cycle 15, Asyms

Entries: 4606

Mean: -0.0001 +/- 0.0003

Std Dev: 0.0220 +/- 0.0002

Entries: 1726

Mean: 0.0146 +/- 0.0008

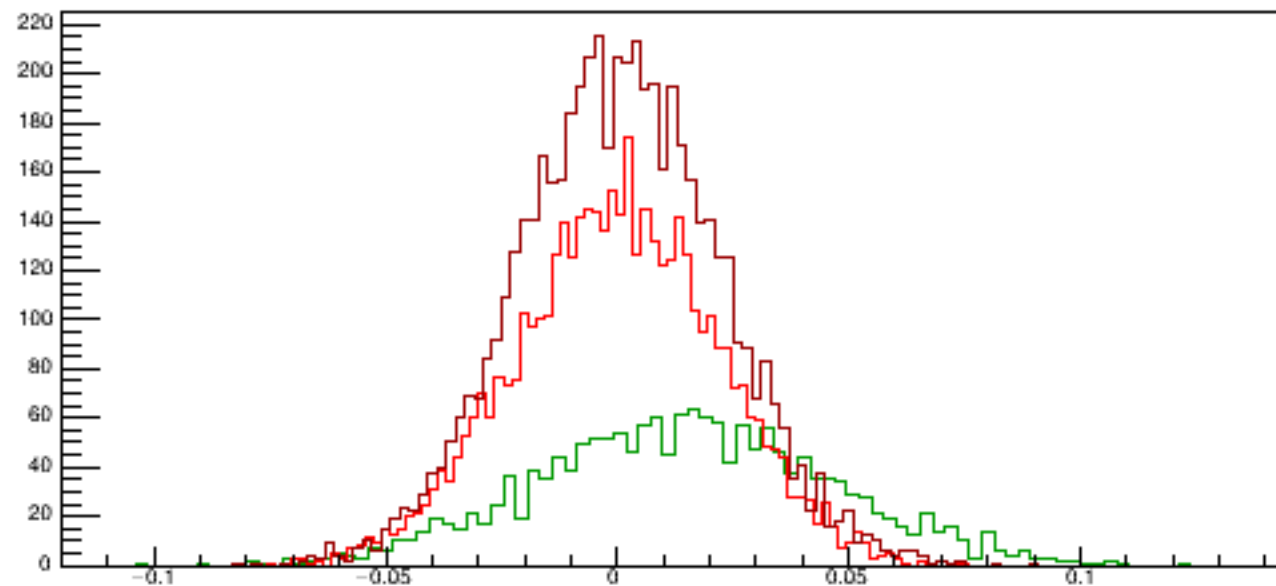
Std Dev: 0.0321 +/- 0.0005

Entries: 5566

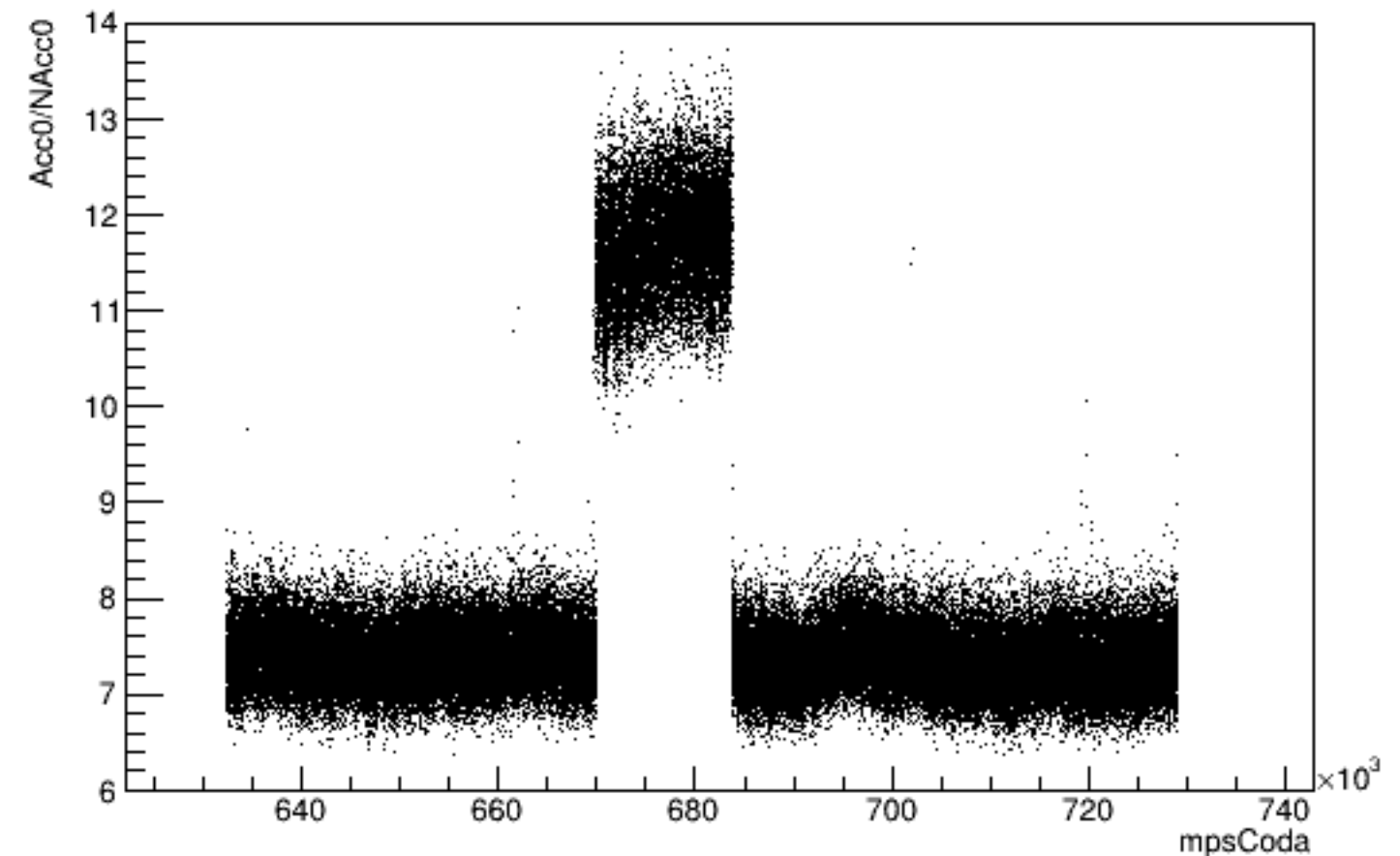
Mean: 0.0005 +/- 0.0003

Std Dev: 0.0219 +/- 0.0002

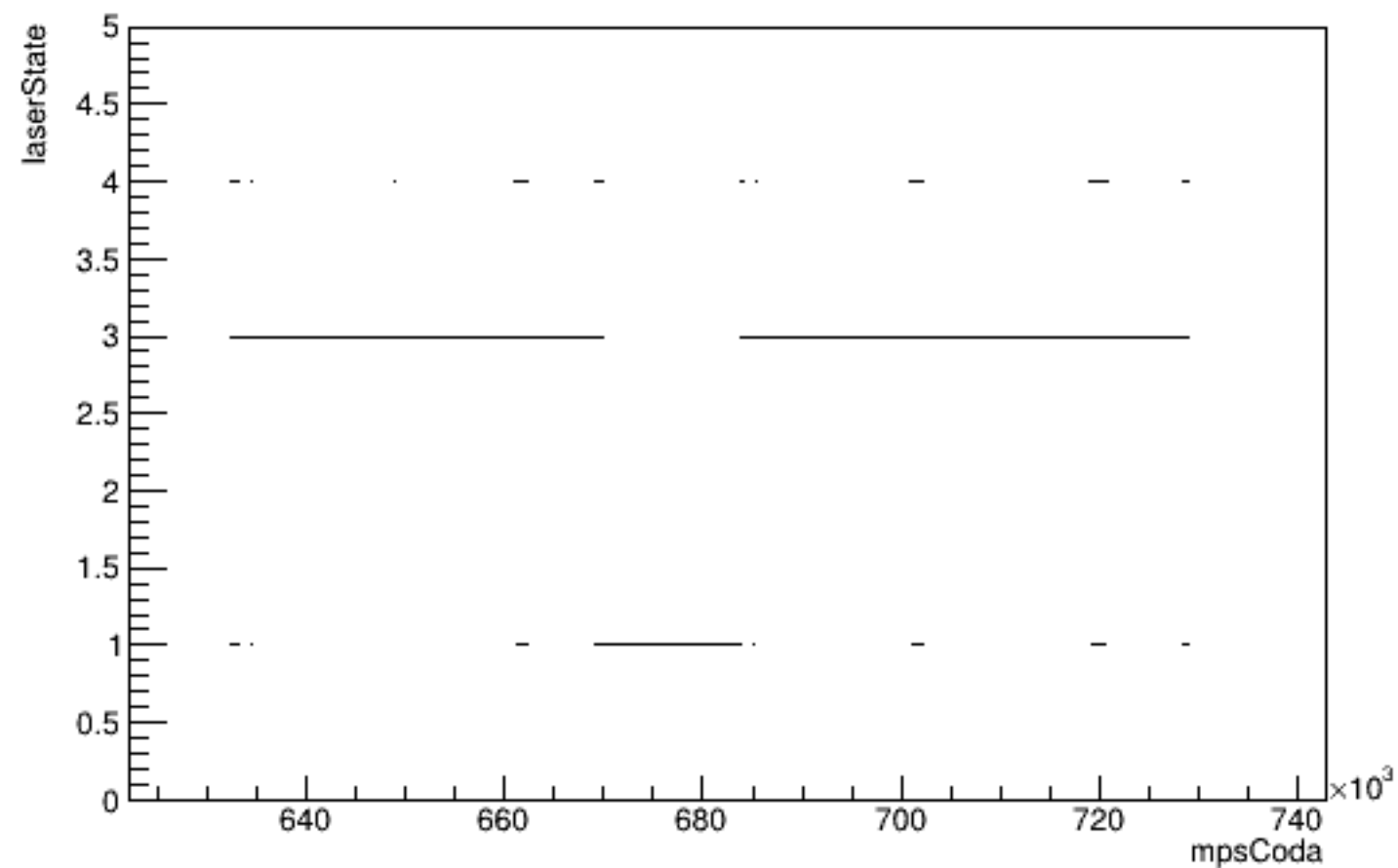
Run 4611 quartetwise, Asyms



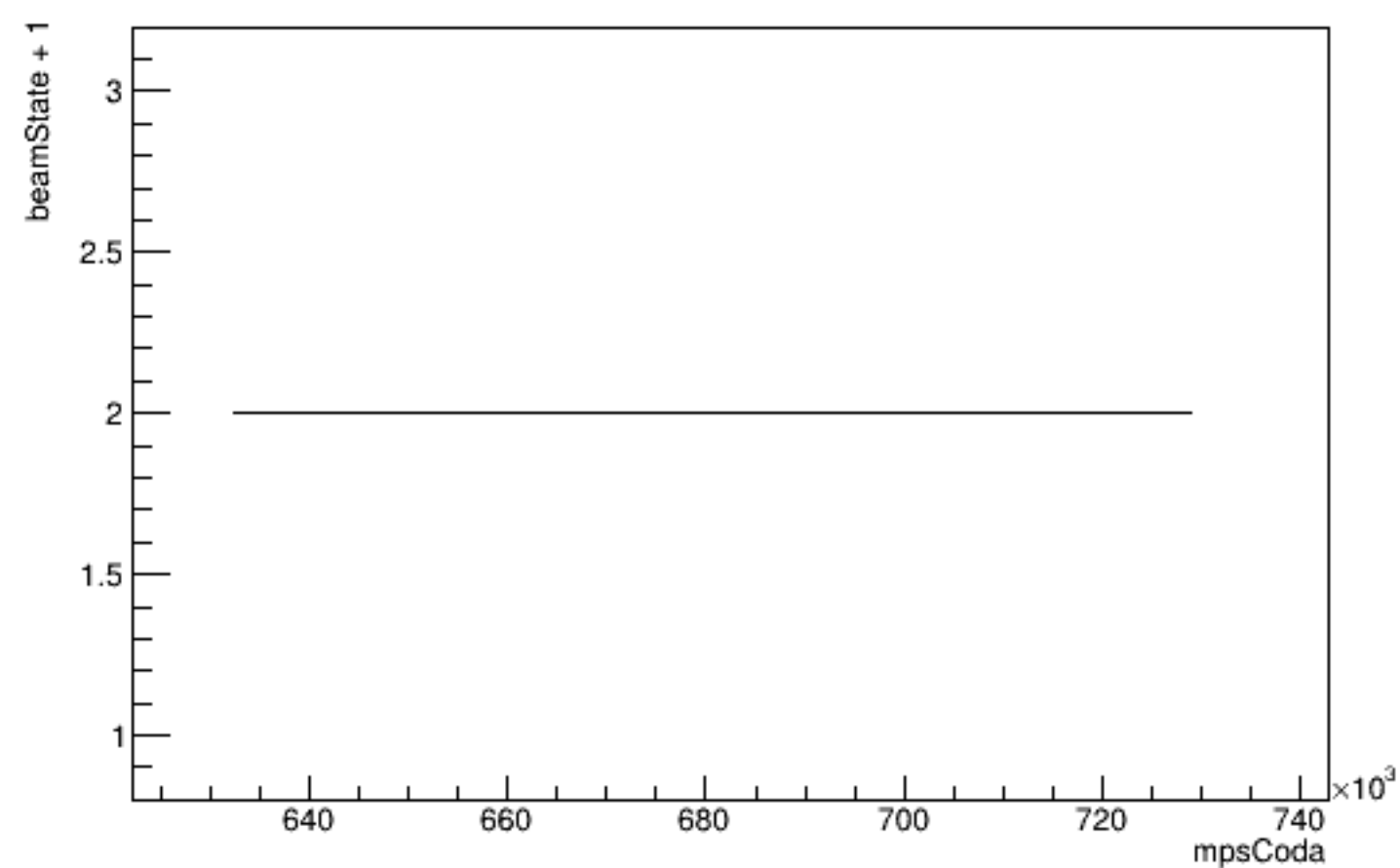
Acc0/NAcc0:mpsCoda {mpsCoda>=632360 && mpsCoda<=728991 && beamState==1}



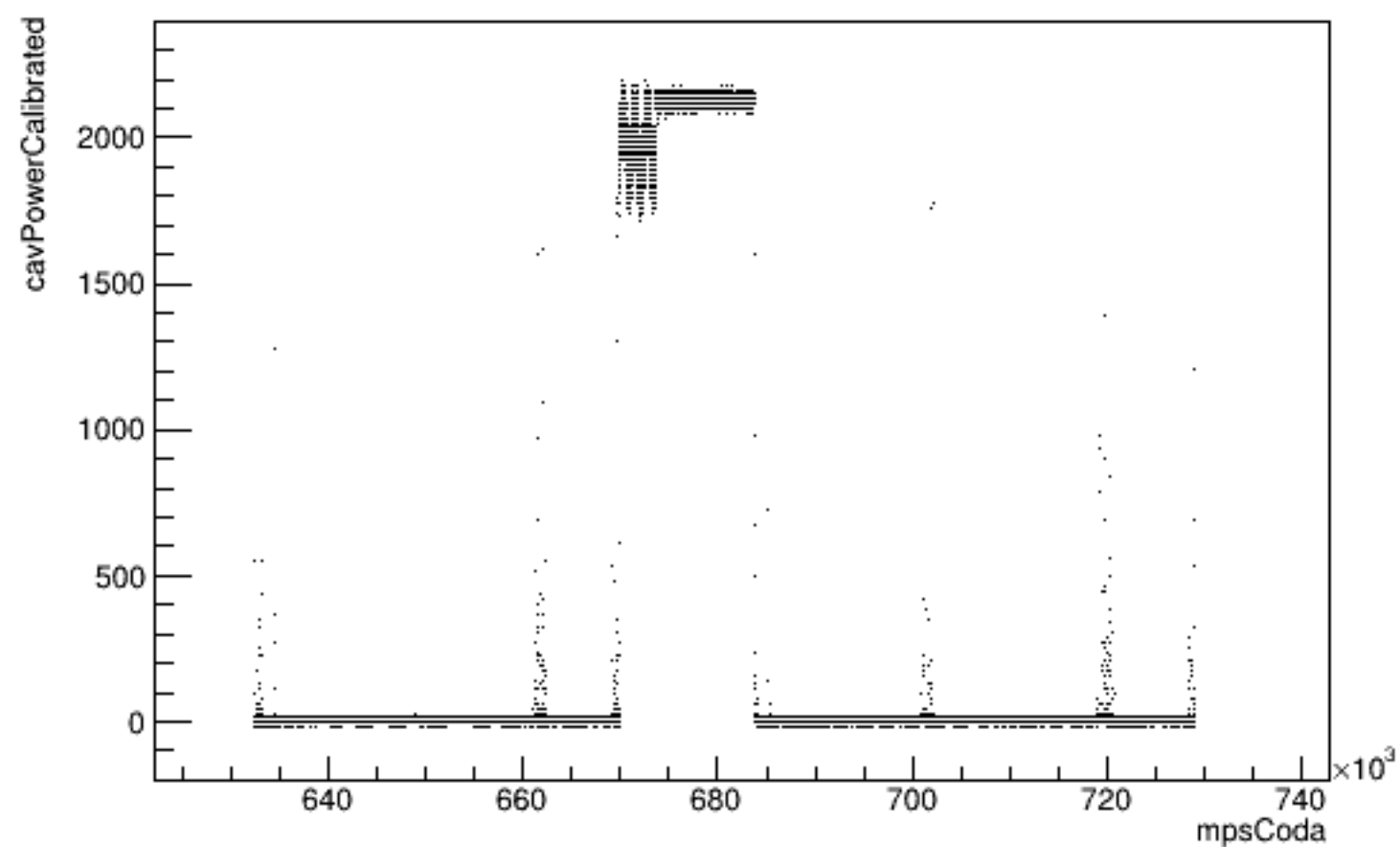
laserState:mpsCoda {mpsCoda&gt;=632360 &amp;&amp; mpsCoda&lt;=728991}



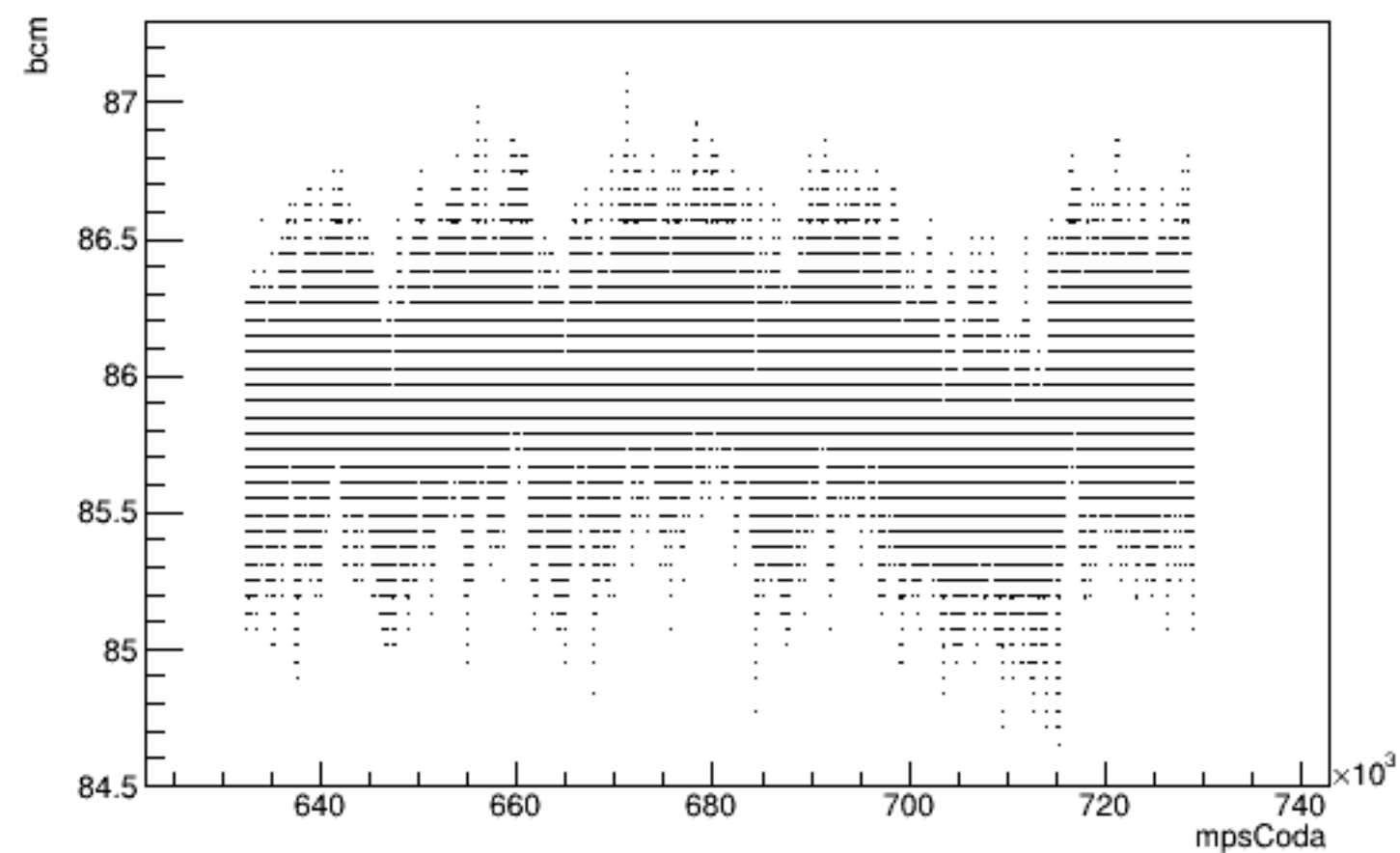
beamState + 1:mpsCoda {mpsCoda&gt;=632360 &amp;&amp; mpsCoda&lt;=728991}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=632360 &amp;&amp; mpsCoda&lt;=728991}



bcm:mpsCoda {mpsCoda&gt;=632360 &amp;&amp; mpsCoda&lt;=728991}



## Cycle 16, Diffs

Entries: 5566

Mean: 0.0043 +/- 0.0025

Std Dev: 0.1892 +/- 0.0018

Entries: 3521

Mean: 0.1140 +/- 0.0047

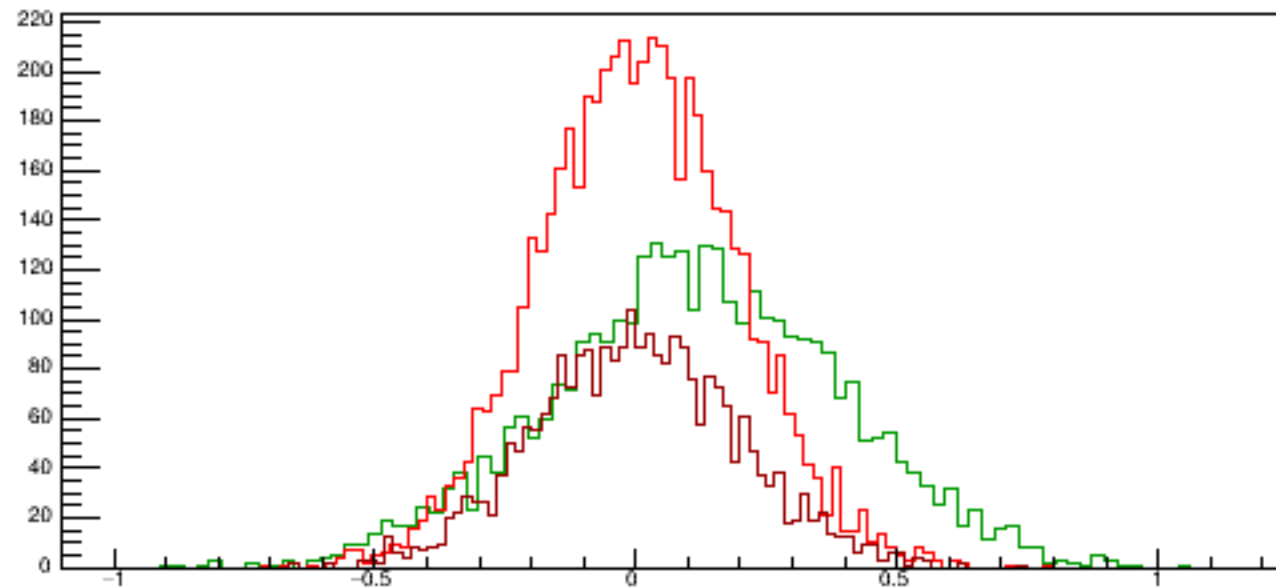
Std Dev: 0.2778 +/- 0.0033

Entries: 2686

Mean: 0.0011 +/- 0.0037

Std Dev: 0.1934 +/- 0.0026

Run 4611 quartetwise, Diffs



## Cycle 16, Sums

Entries: 5566

Mean: 14.7019 +/- 0.0034

Std Dev: 0.2561 +/- 0.0024

Entries: 3521

Mean: 23.1206 +/- 0.0066

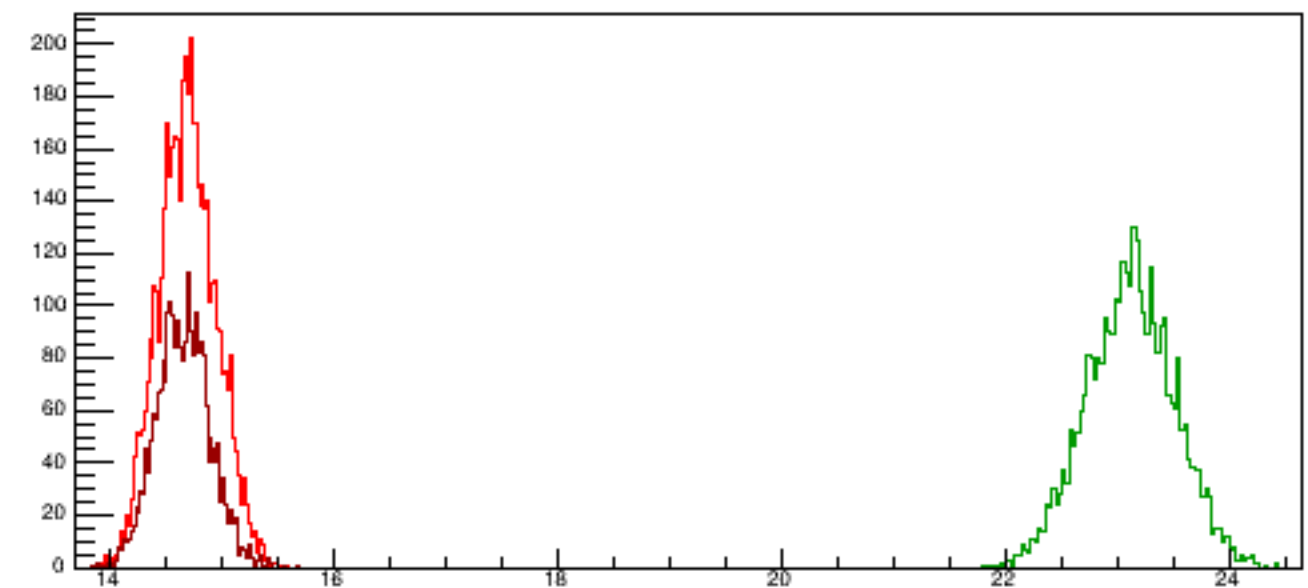
Std Dev: 0.3934 +/- 0.0047

Entries: 2686

Mean: 14.6635 +/- 0.0046

Std Dev: 0.2394 +/- 0.0033

Run 4611 quartetwise, Sums



## Cycle 16, Asyms

Entries: 5566

Mean: 0.0005 +/- 0.0003

Std Dev: 0.0224 +/- 0.0002

Entries: 3521

Mean: 0.0135 +/- 0.0006

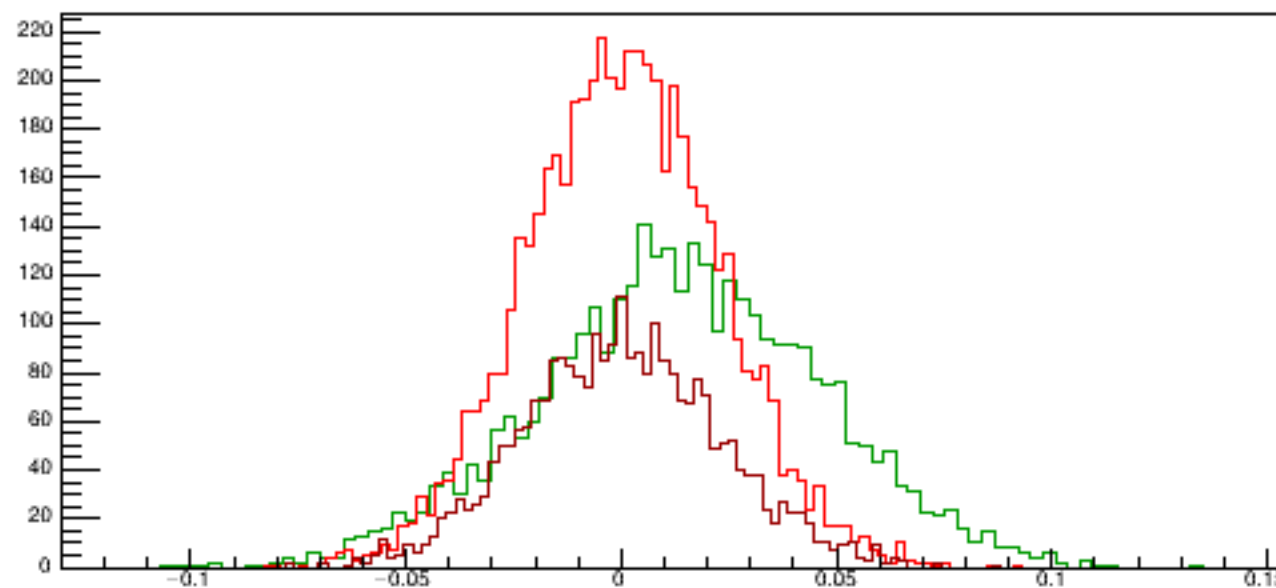
Std Dev: 0.0330 +/- 0.0004

Entries: 2686

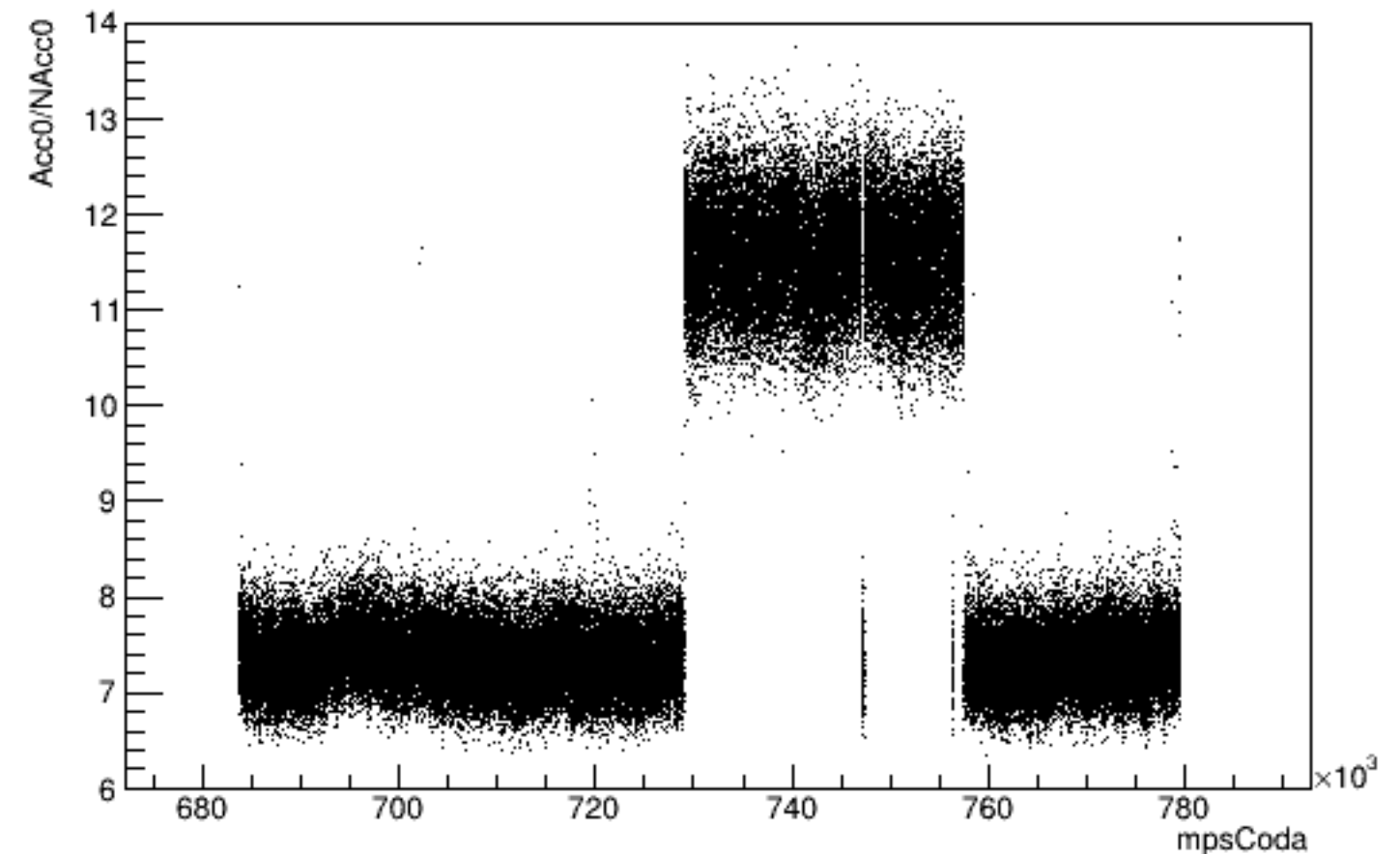
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0229 +/- 0.0003

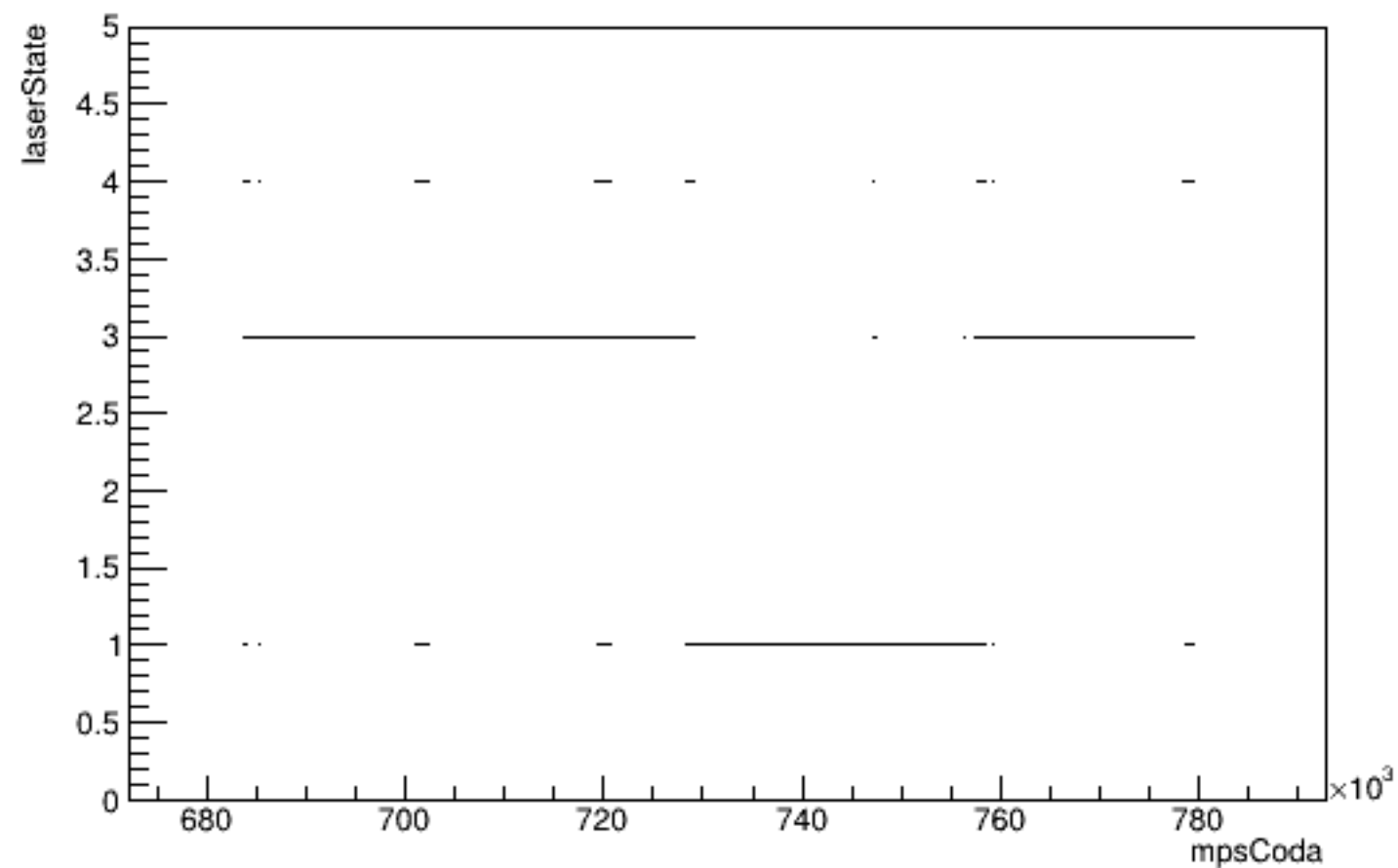
Run 4611 quartetwise, Asyms



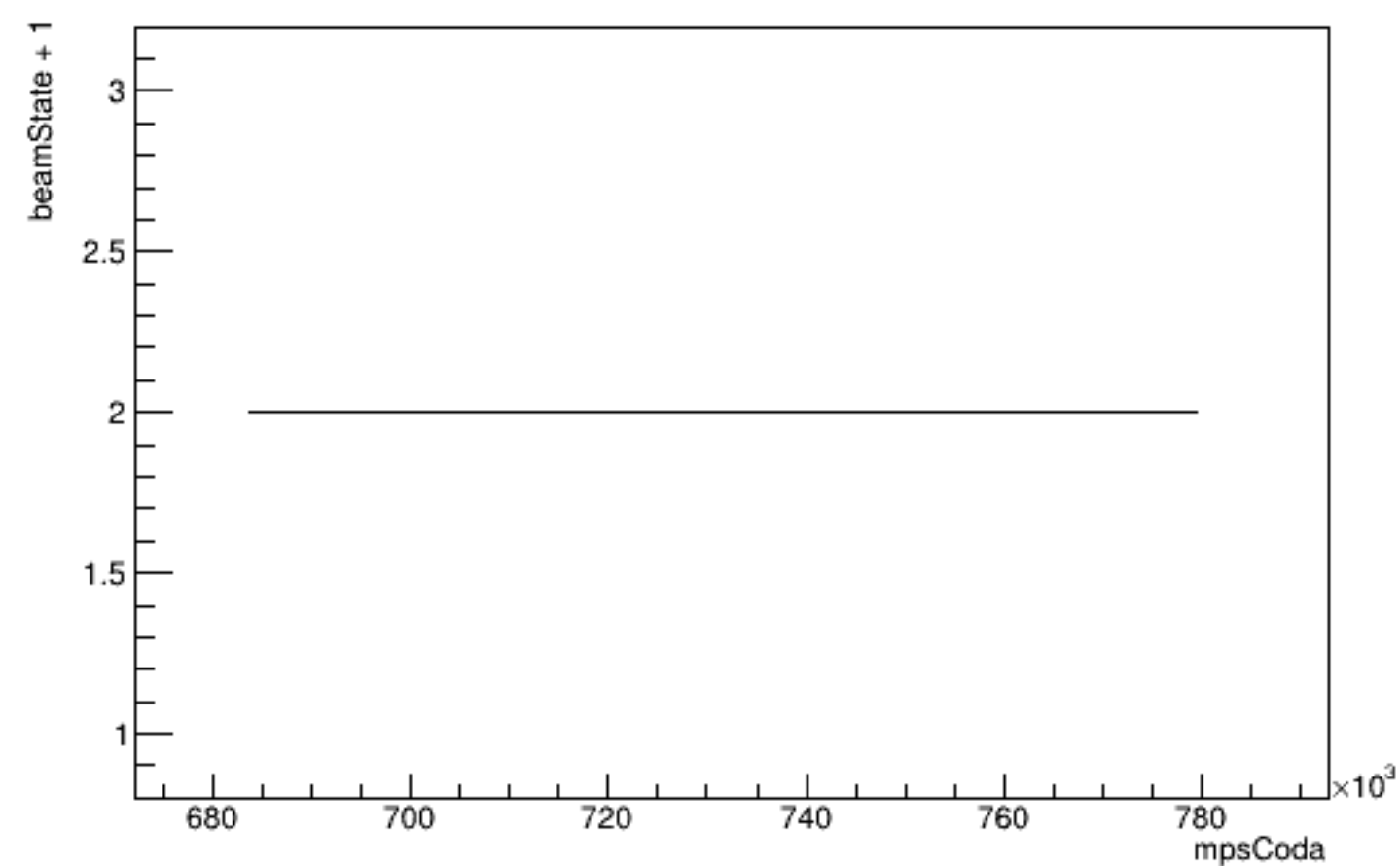
Acc0/NAcc0:mpsCoda {mpsCoda>=683704 && mpsCoda<=779527 && beamState==1}



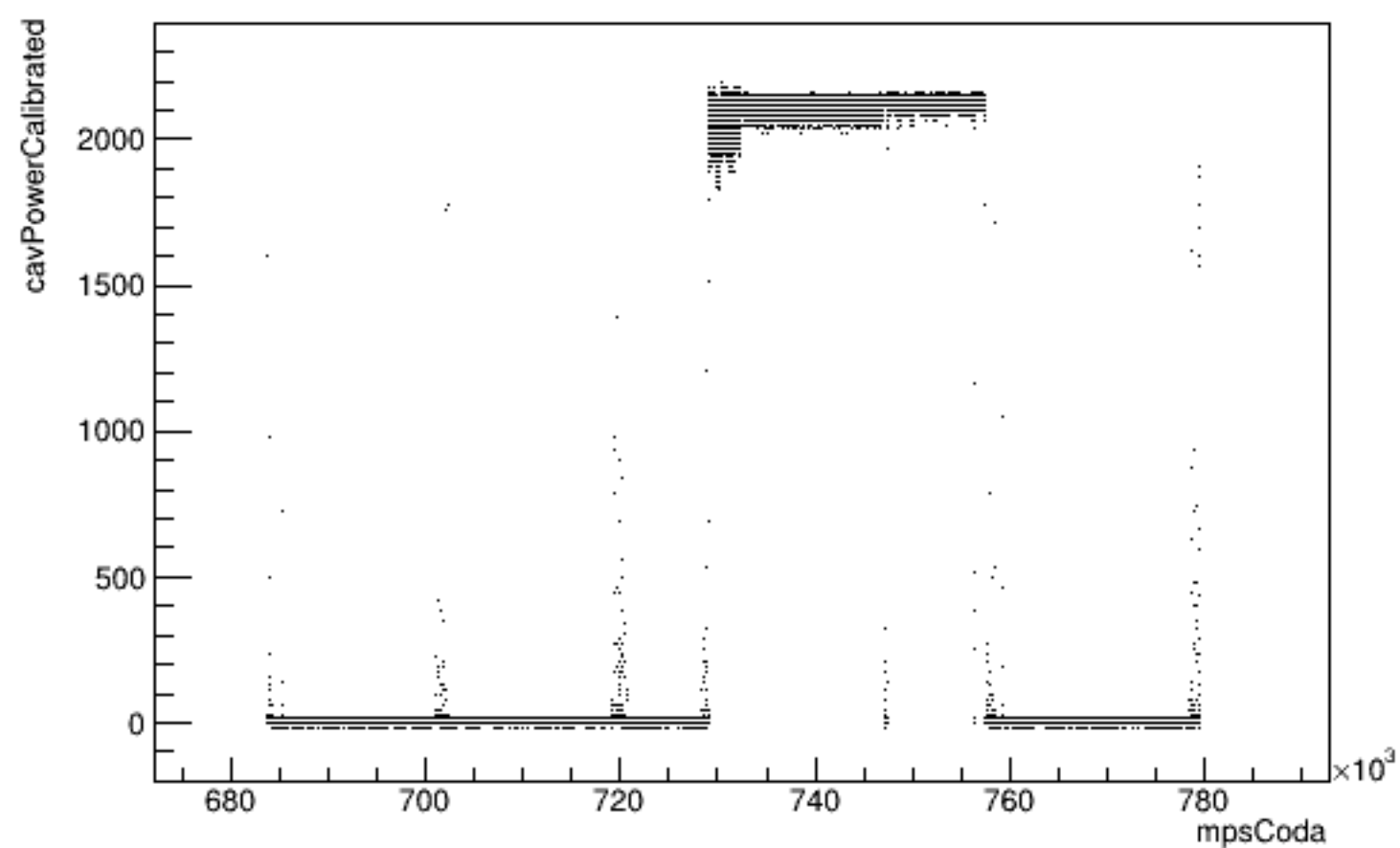
laserState:mpsCoda {mpsCoda&gt;=683704 &amp;&amp; mpsCoda&lt;=779527}



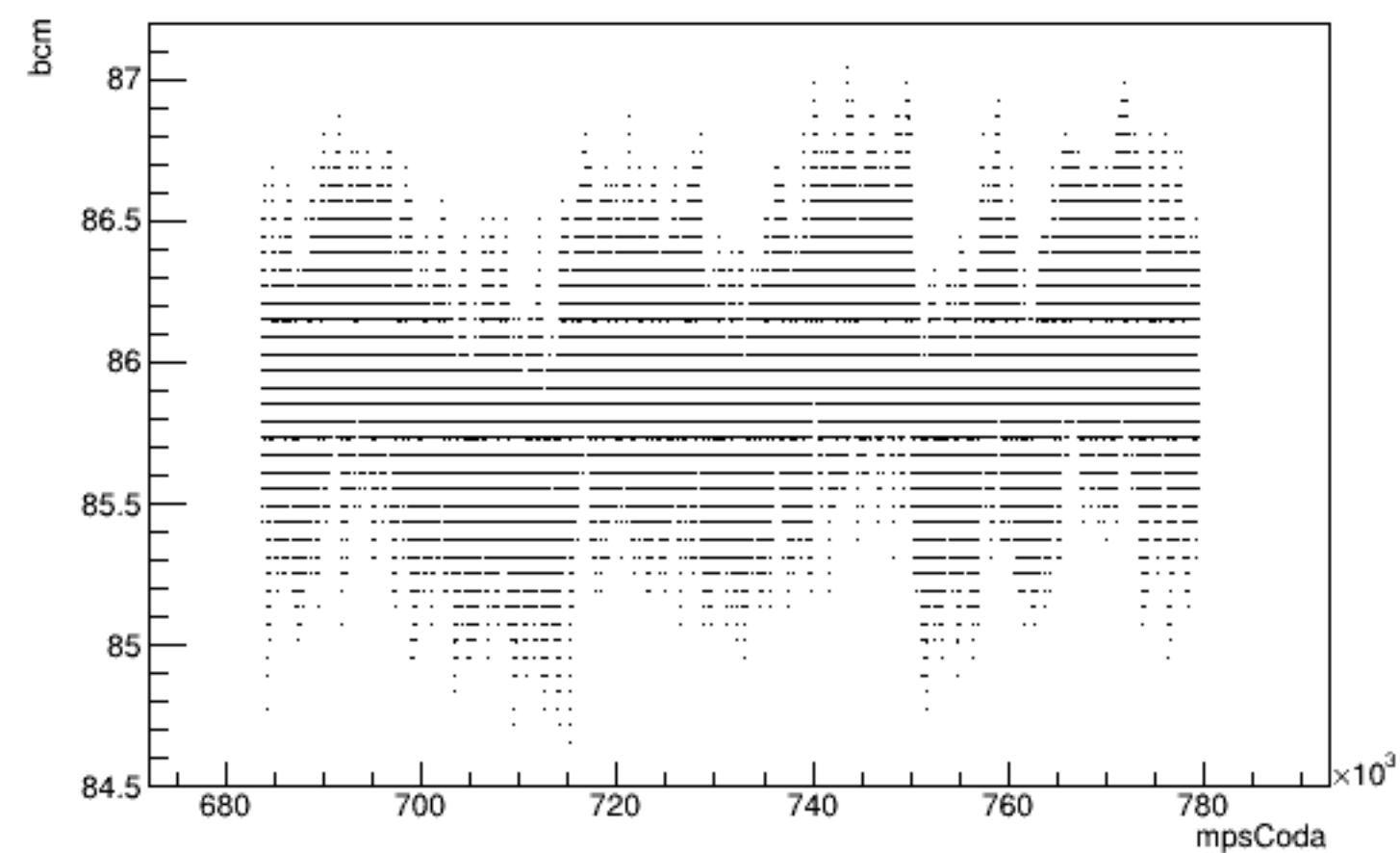
beamState + 1:mpsCoda {mpsCoda&gt;=683704 &amp;&amp; mpsCoda&lt;=779527}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=683704 &amp;&amp; mpsCoda&lt;=779527}



bcm:mpsCoda {mpsCoda&gt;=683704 &amp;&amp; mpsCoda&lt;=779527}



## Cycle 17, Diffs

Entries: 2686

Mean: 0.0011 +/- 0.0037

Std Dev: 0.1934 +/- 0.0026

Entries: 4674

Mean: 0.1269 +/- 0.0041

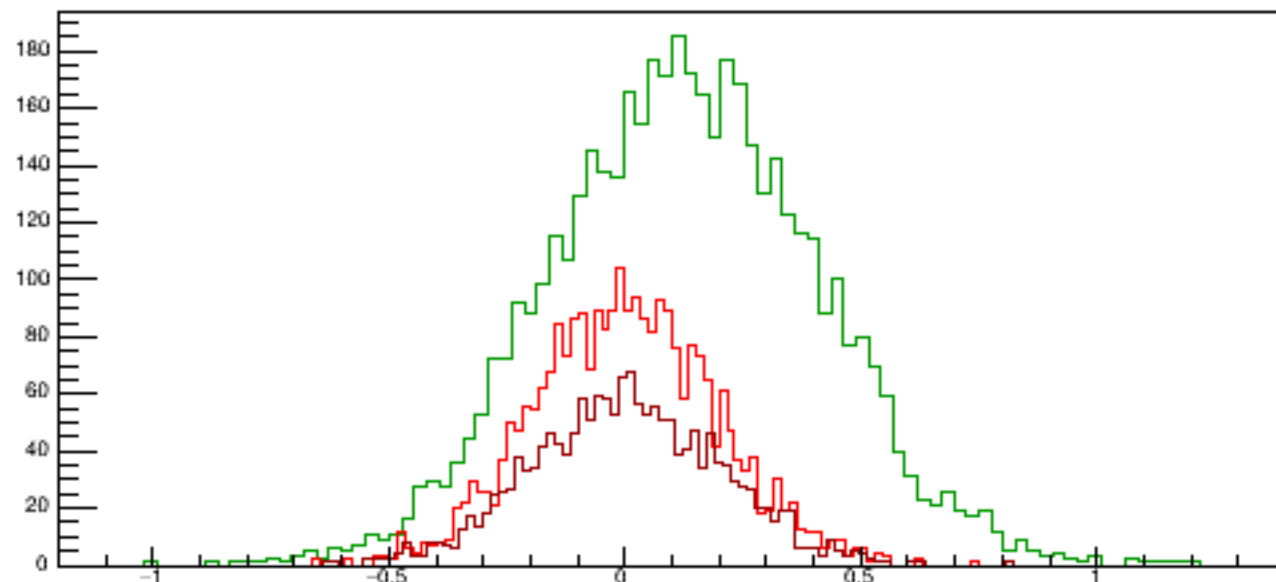
Std Dev: 0.2807 +/- 0.0029

Entries: 1708

Mean: 0.0041 +/- 0.0048

Std Dev: 0.1992 +/- 0.0034

Run 4611 quartetwise, Diffs



## Cycle 17, Sums

Entries: 2686

Mean: 14.6635 +/- 0.0046

Std Dev: 0.2394 +/- 0.0033

Entries: 4674

Mean: 23.1439 +/- 0.0063

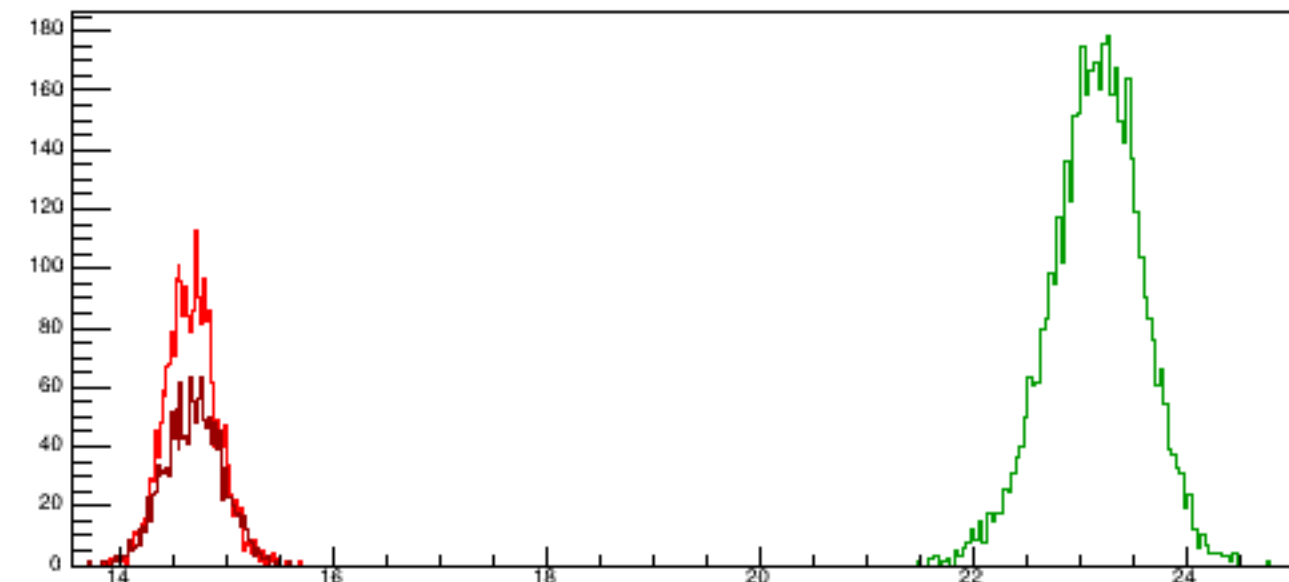
Std Dev: 0.4331 +/- 0.0045

Entries: 1708

Mean: 14.6866 +/- 0.0065

Std Dev: 0.2706 +/- 0.0046

Run 4611 quartetwise, Sums



## Cycle 17, Asyms

Entries: 2686

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0228 +/- 0.0003

Entries: 4674

Mean: 0.0150 +/- 0.0005

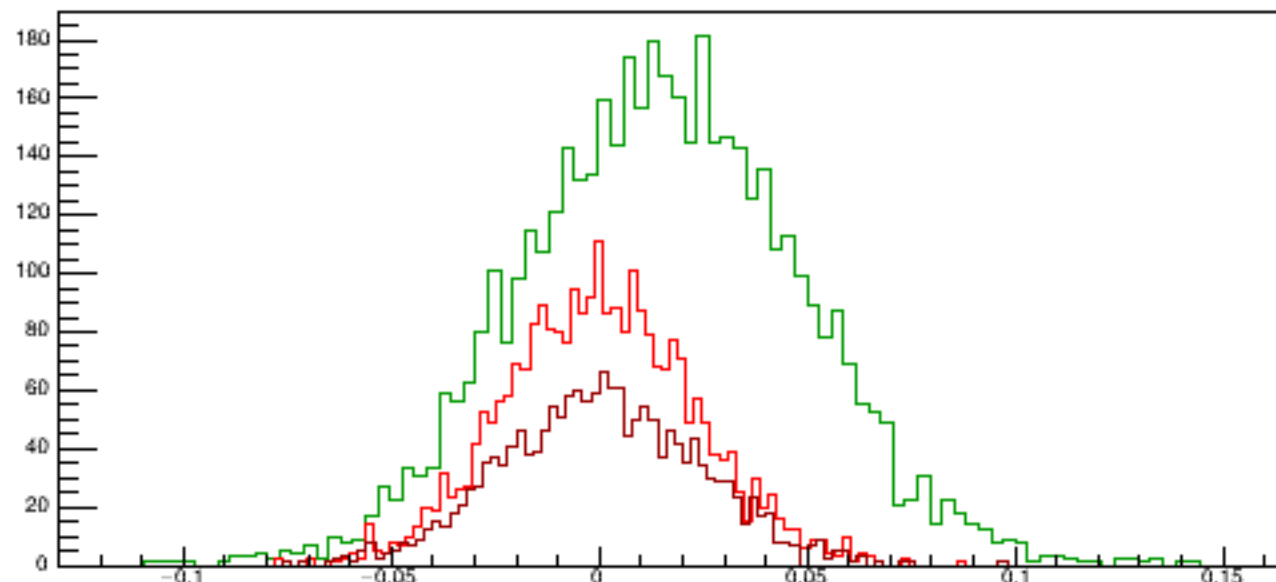
Std Dev: 0.0332 +/- 0.0003

Entries: 1708

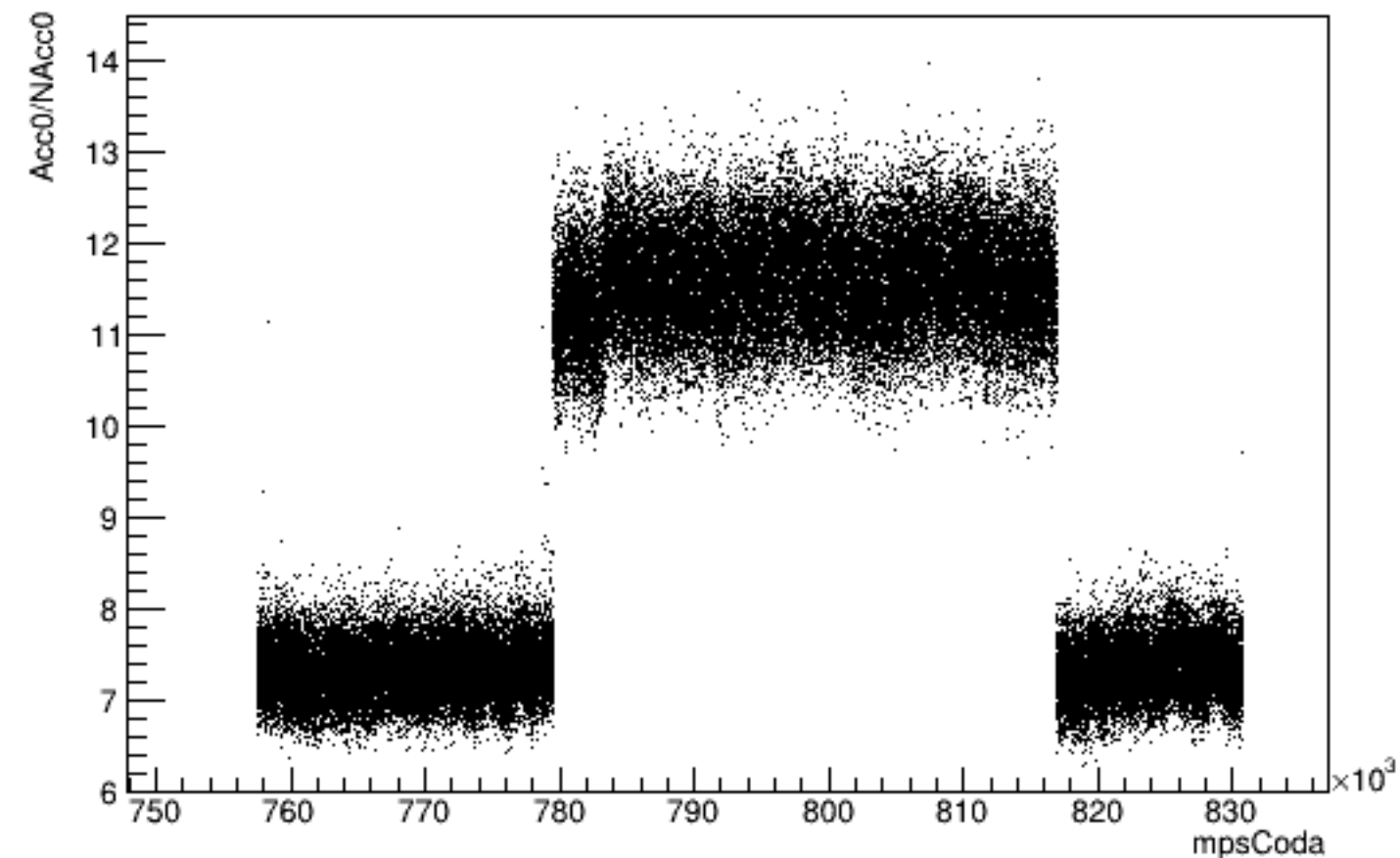
Mean: 0.0005 +/- 0.0006

Std Dev: 0.0235 +/- 0.0004

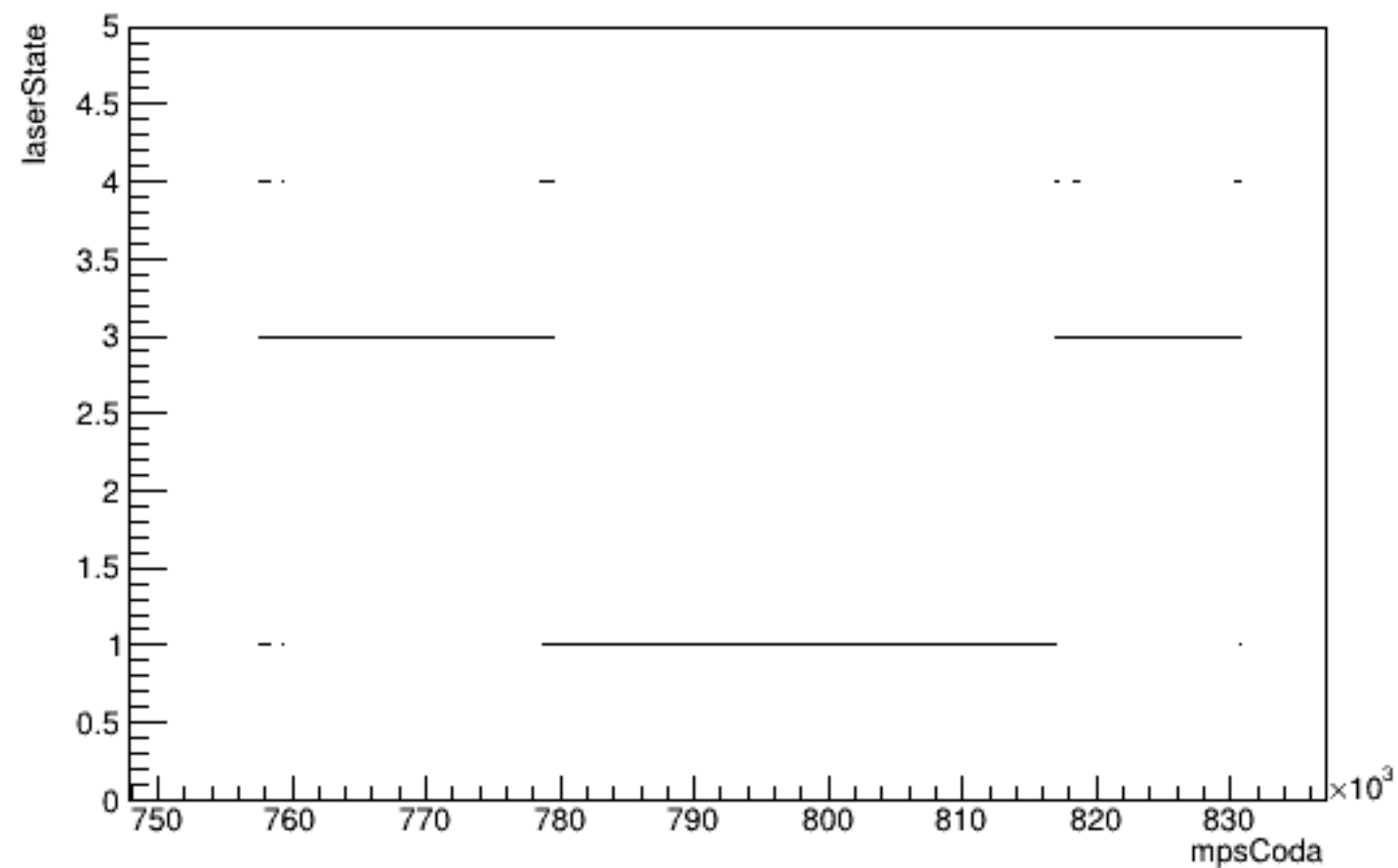
Run 4611 quartetwise, Asyms



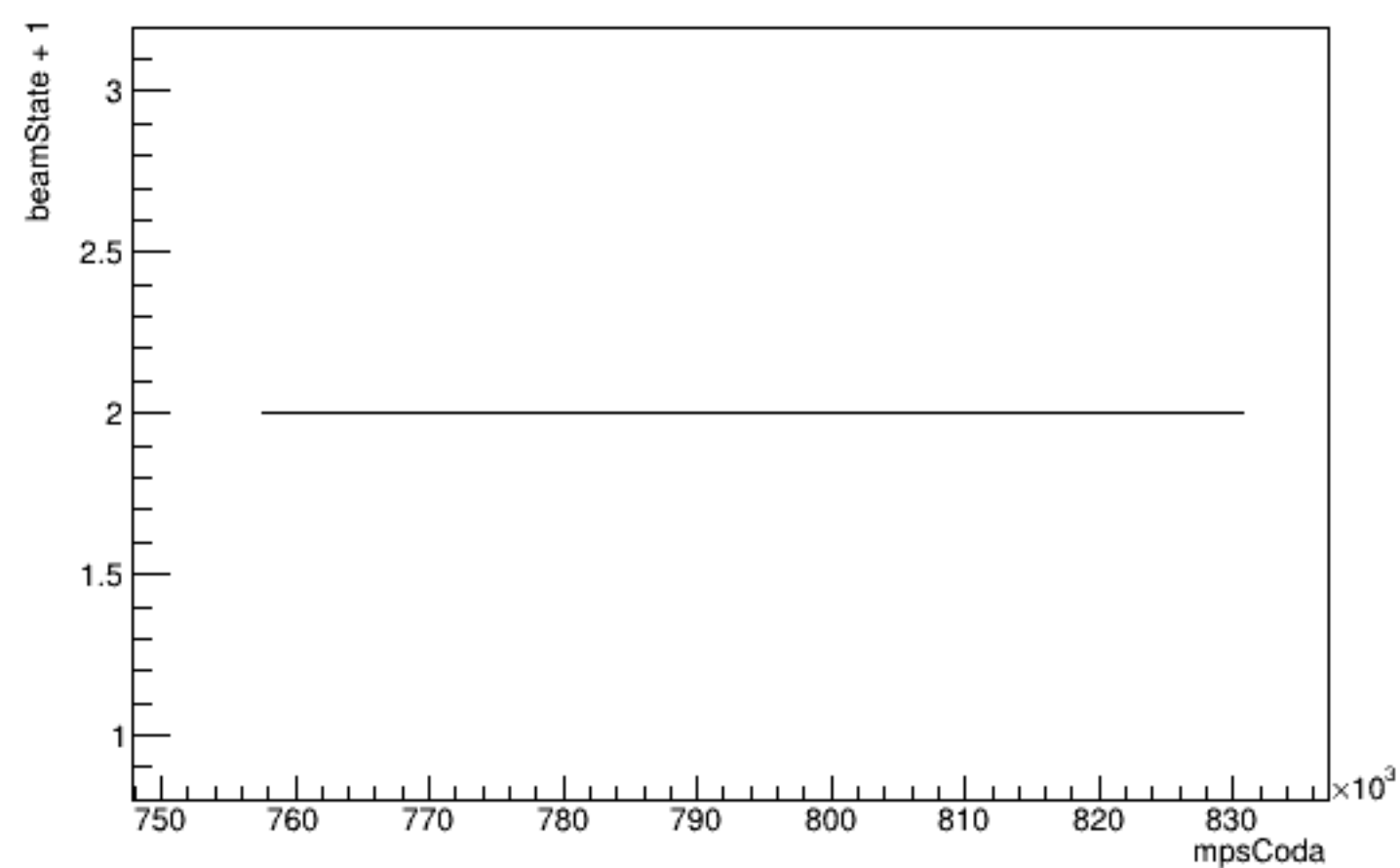
Acc0/NAcc0:mpsCoda {mpsCoda>=757528 && mpsCoda<=830735 && beamState==1}



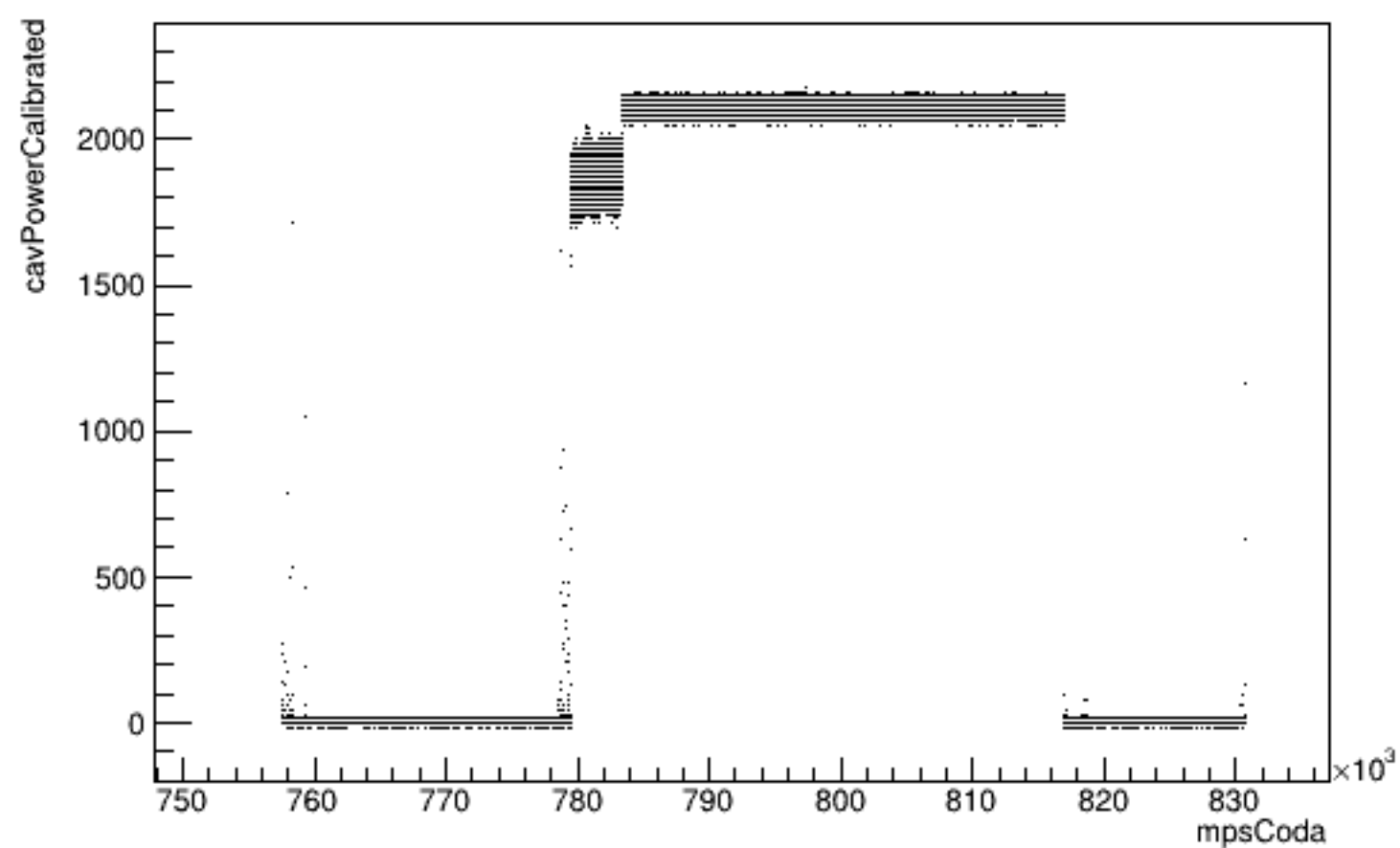
laserState:mpsCoda {mpsCoda&gt;=757528 &amp;&amp; mpsCoda&lt;=830735}



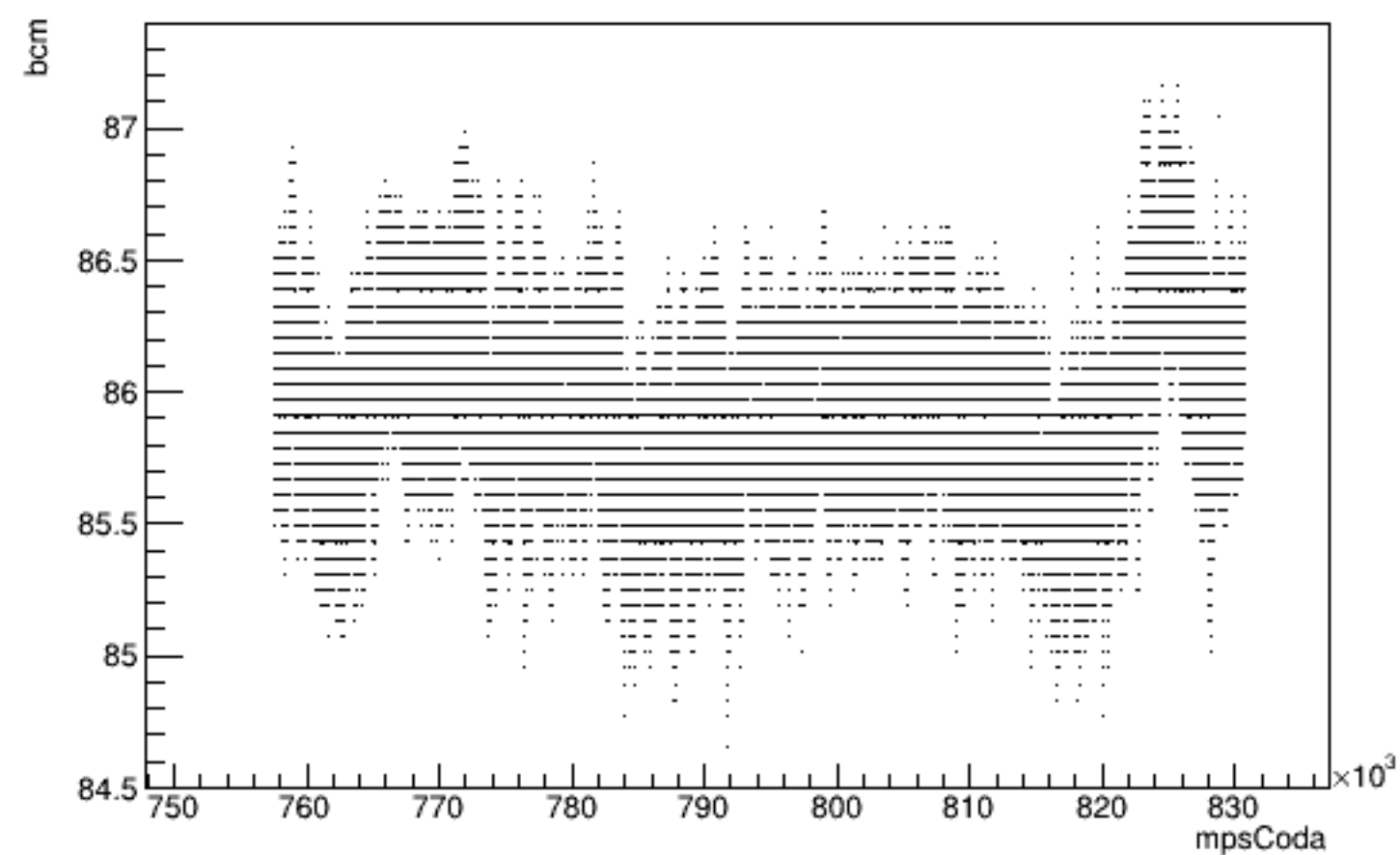
beamState + 1:mpsCoda {mpsCoda&gt;=757528 &amp;&amp; mpsCoda&lt;=830735}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=757528 &amp;&amp; mpsCoda&lt;=830735}



bcm:mpsCoda {mpsCoda&gt;=757528 &amp;&amp; mpsCoda&lt;=830735}



## Cycle 18, Diffs

**Entries: 1708**

**Mean: 0.0041 +/- 0.0048**

**Std Dev: 0.1992 +/- 0.0034**

**Entries: 4584**

**Mean: 0.1281 +/- 0.0042**

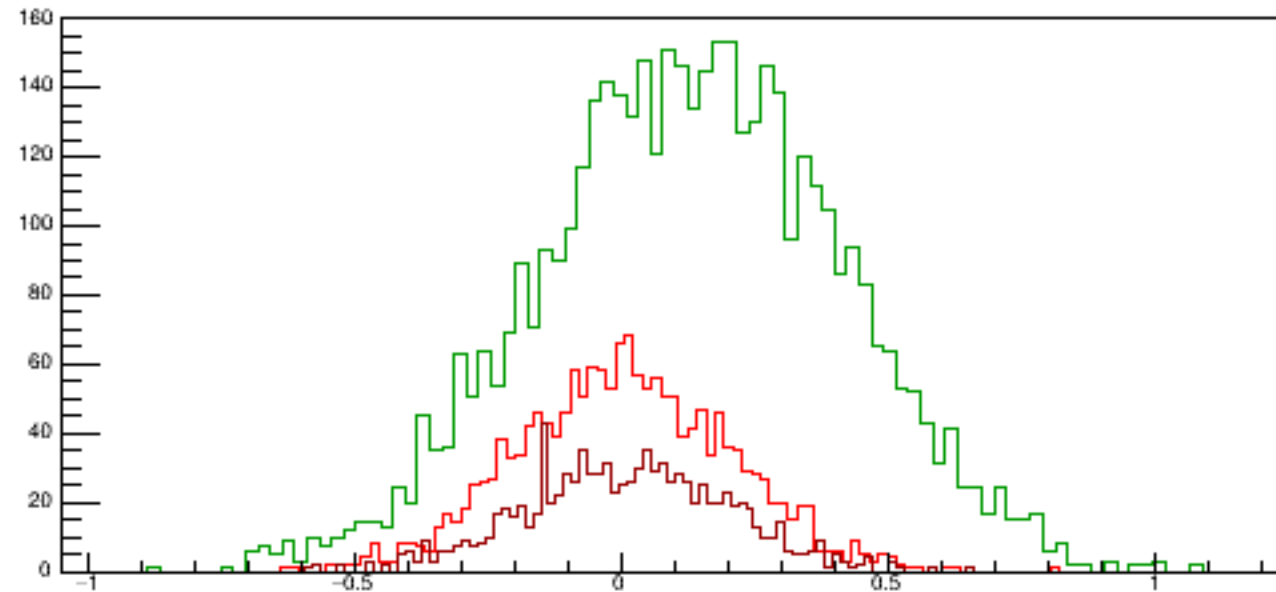
**Std Dev: 0.2827 +/- 0.0030**

**Entries: 994**

**Mean: 0.0078 +/- 0.0061**

**Std Dev: 0.1917 +/- 0.0043**

Run 4611 quartetwise, Diffs



## Cycle 18, Sums

**Entries: 1708**

**Mean: 14.6866 +/- 0.0065**

**Std Dev: 0.2706 +/- 0.0046**

**Entries: 4584**

**Mean: 23.2108 +/- 0.0064**

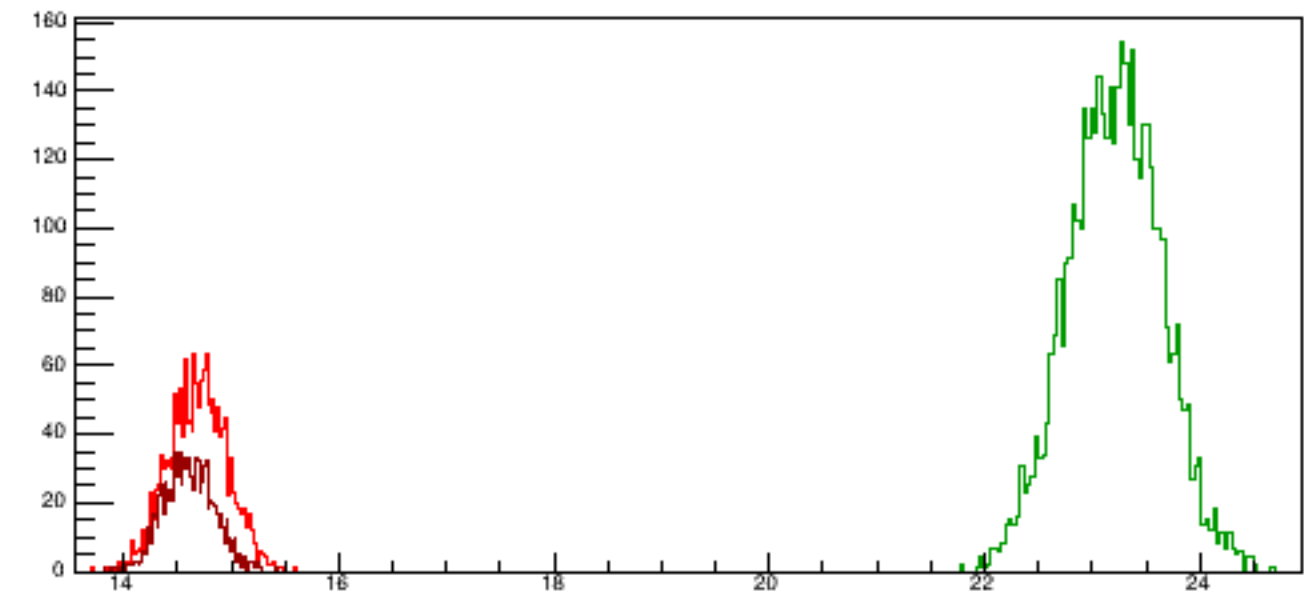
**Std Dev: 0.4313 +/- 0.0045**

**Entries: 994**

**Mean: 14.6079 +/- 0.0075**

**Std Dev: 0.2372 +/- 0.0053**

Run 4611 quartetwise, Sums



## Cycle 18, Asyms

**Entries: 1708**

**Mean: 0.0005 +/- 0.0006**

**Std Dev: 0.0233 +/- 0.0004**

**Entries: 4584**

**Mean: 0.0149 +/- 0.0005**

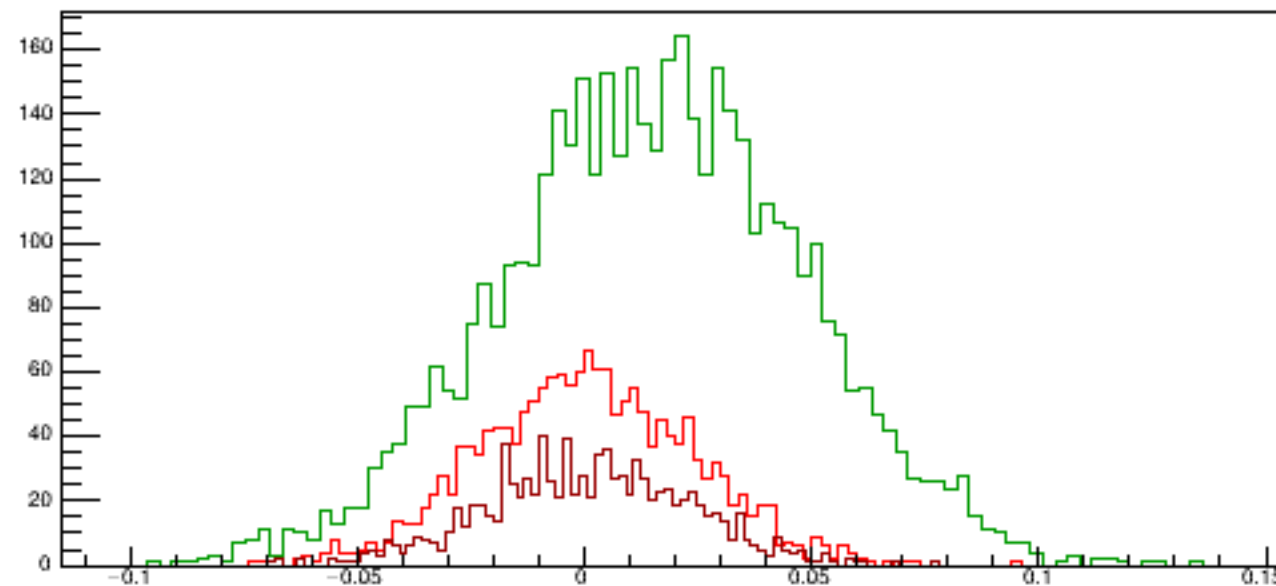
**Std Dev: 0.0330 +/- 0.0003**

**Entries: 994**

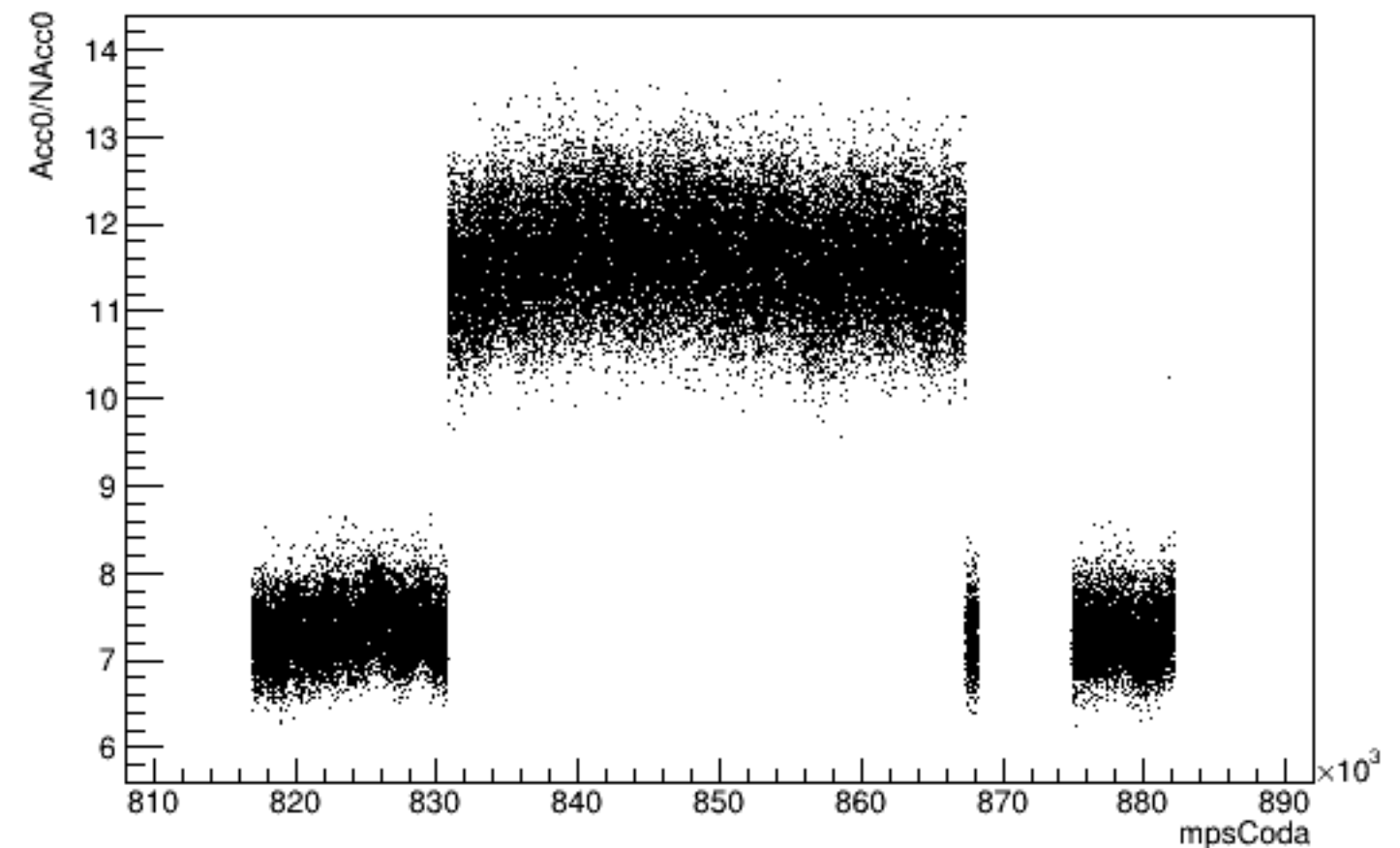
**Mean: 0.0009 +/- 0.0007**

**Std Dev: 0.0224 +/- 0.0005**

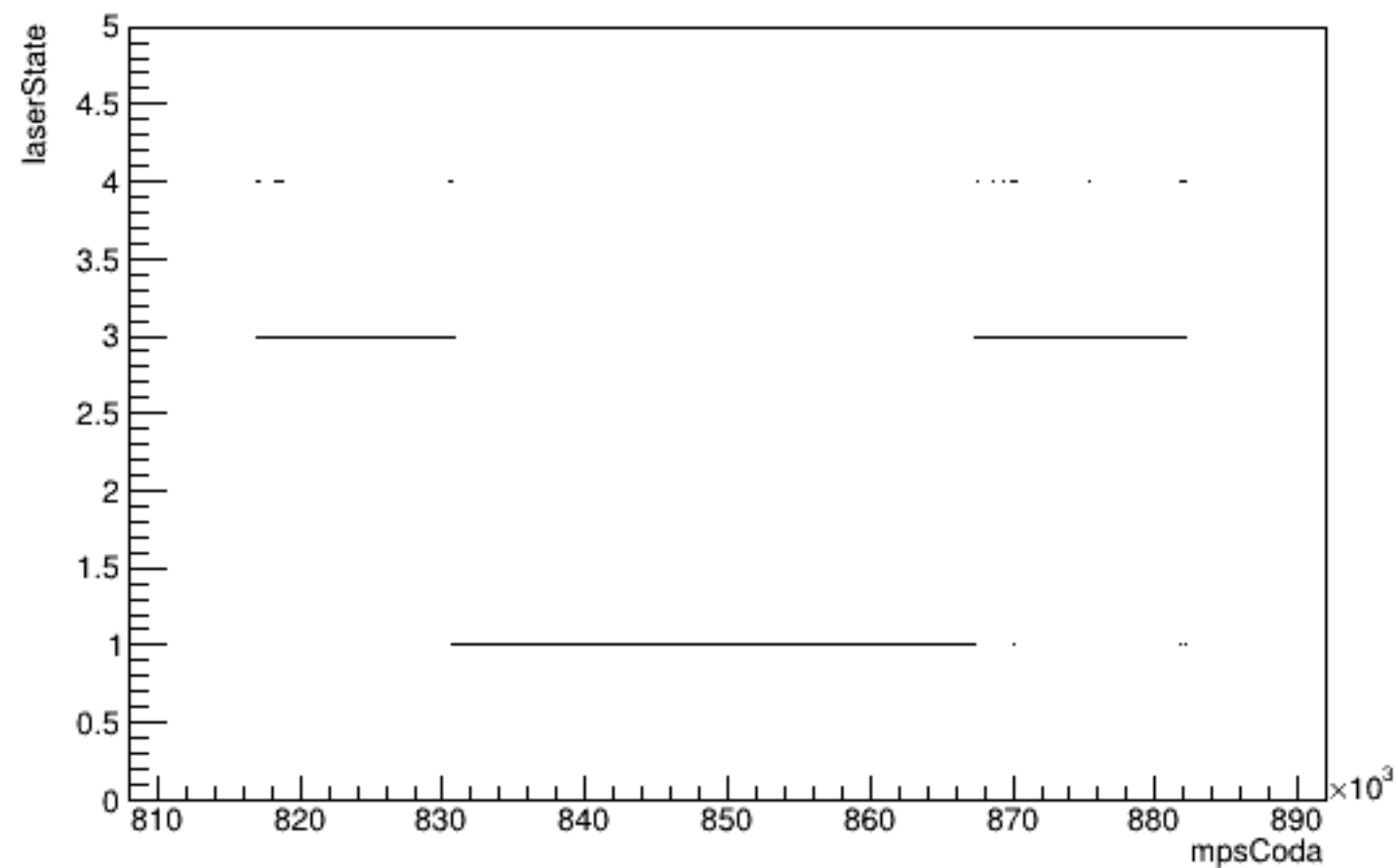
Run 4611 quartetwise, Asyms



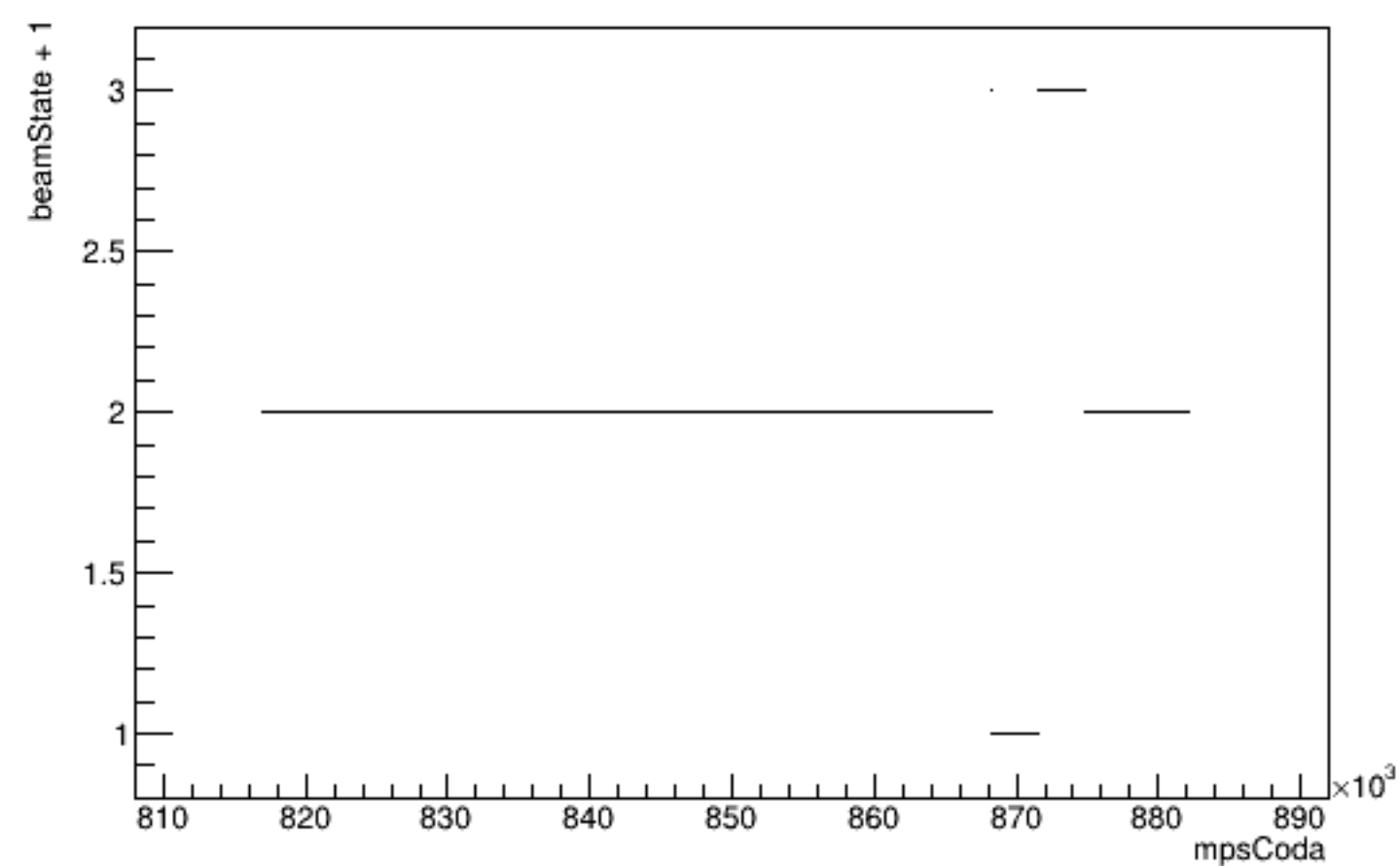
Acc0/NAcc0:mpsCoda {mpsCoda>=816928 && mpsCoda<=882135 && beamState==1}



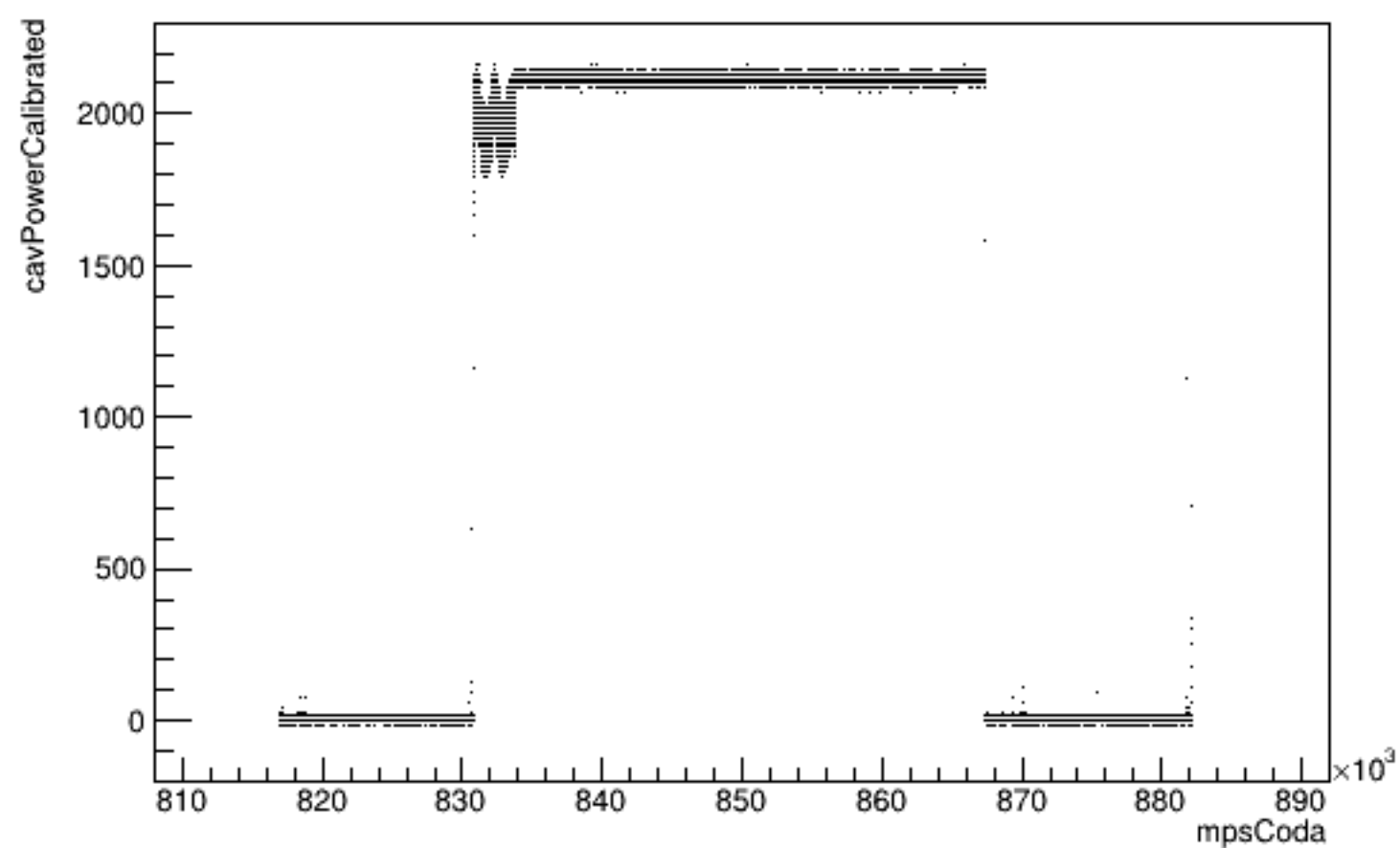
laserState:mpsCoda {mpsCoda&gt;=816928 &amp;&amp; mpsCoda&lt;=882135}



beamState + 1:mpsCoda {mpsCoda&gt;=816928 &amp;&amp; mpsCoda&lt;=882135}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=816928 &amp;&amp; mpsCoda&lt;=882135}



bcm:mpsCoda {mpsCoda&gt;=816928 &amp;&amp; mpsCoda&lt;=882135}

