

## Cycle 1, Diffs

Entries: 3388

Mean: -0.0003 +/- 0.0033

Std Dev: 0.1897 +/- 0.0023

Entries: 724

Mean: 0.1292 +/- 0.0105

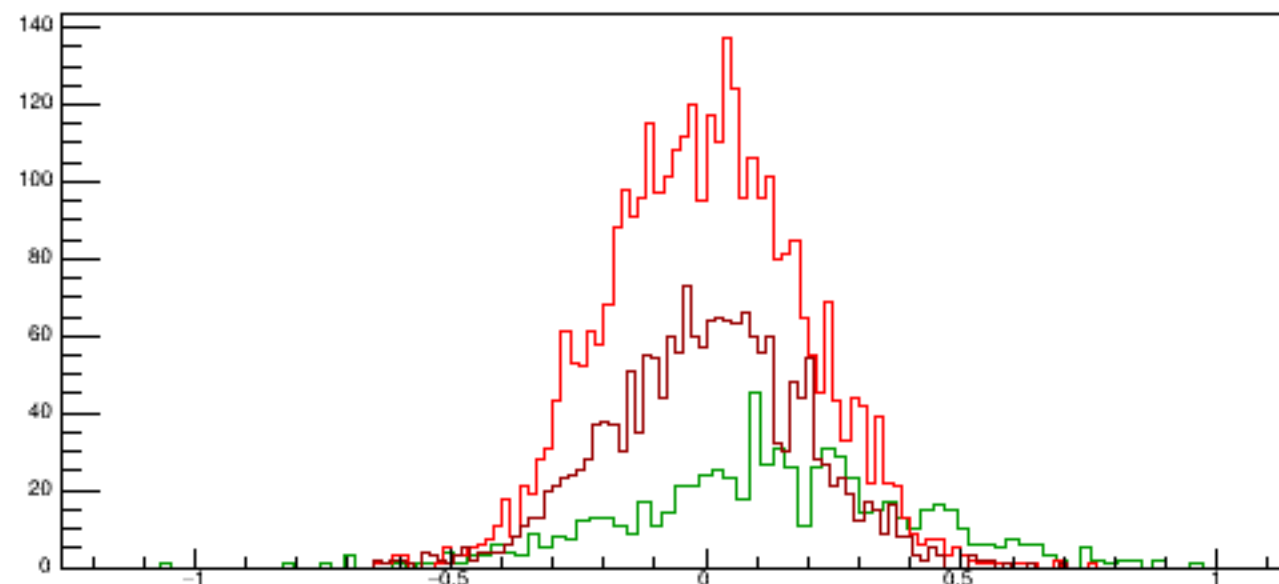
Std Dev: 0.2822 +/- 0.0074

Entries: 1851

Mean: -0.0005 +/- 0.0045

Std Dev: 0.1919 +/- 0.0032

Run 4610 quartetwise, Diffs



## Cycle 1, Sums

Entries: 3388

Mean: 13.8994 +/- 0.0045

Std Dev: 0.2630 +/- 0.0032

Entries: 724

Mean: 22.7703 +/- 0.0145

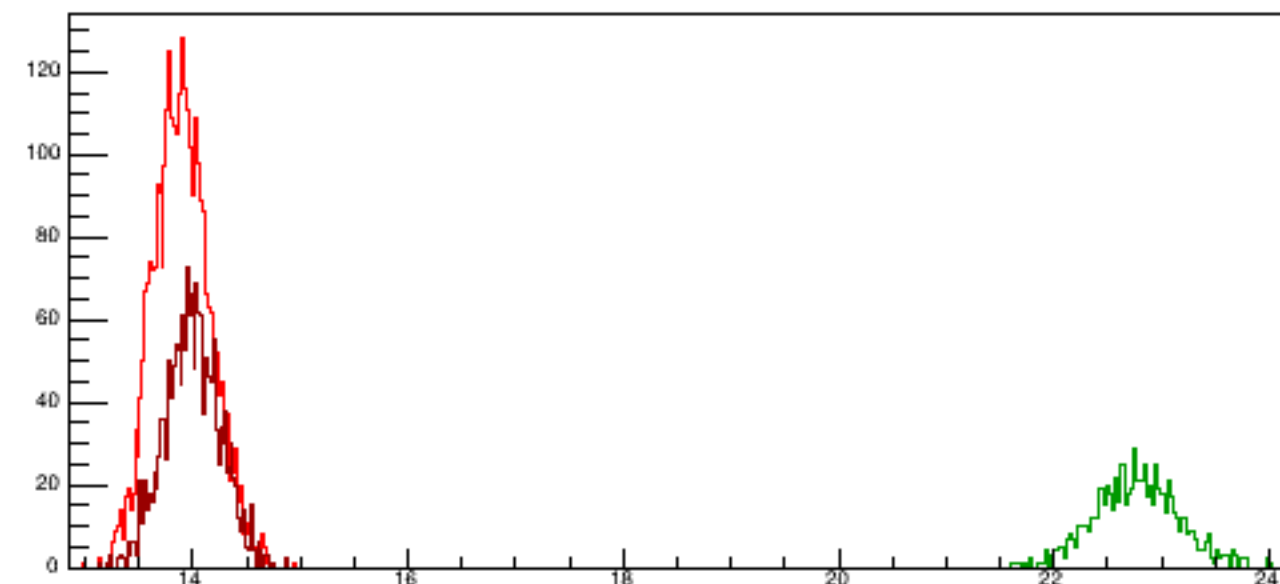
Std Dev: 0.3901 +/- 0.0103

Entries: 1851

Mean: 13.9966 +/- 0.0060

Std Dev: 0.2568 +/- 0.0042

Run 4610 quartetwise, Sums



## Cycle 1, Asyms

Entries: 3388

Mean: -0.0000 +/- 0.0004

Std Dev: 0.0215 +/- 0.0003

Entries: 724

Mean: 0.0146 +/- 0.0012

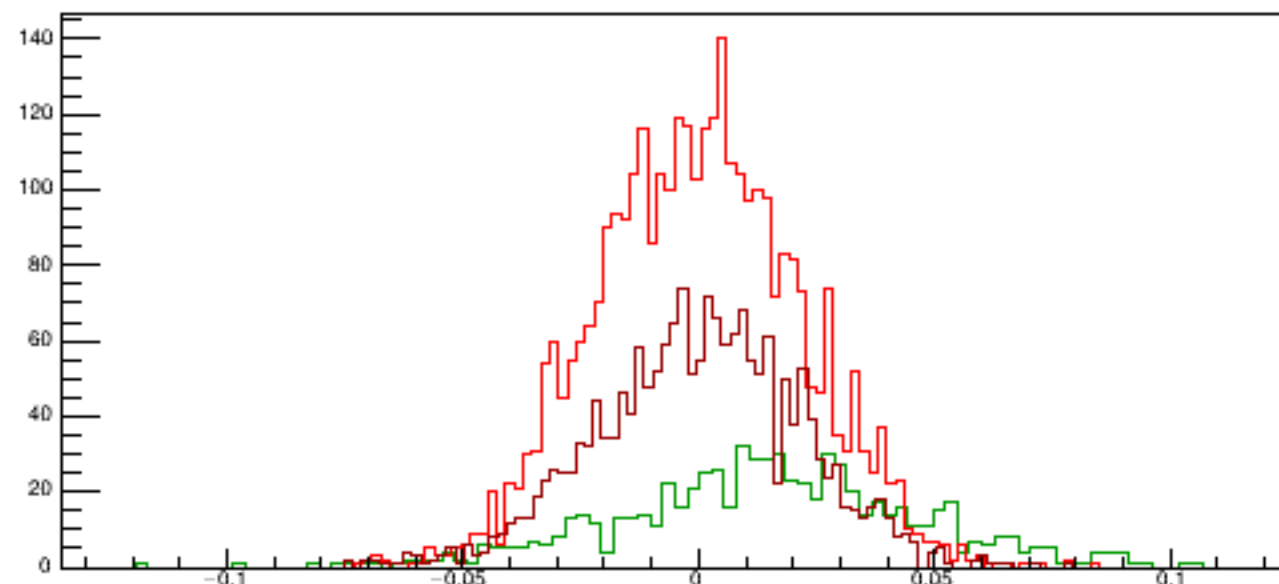
Std Dev: 0.0319 +/- 0.0008

Entries: 1851

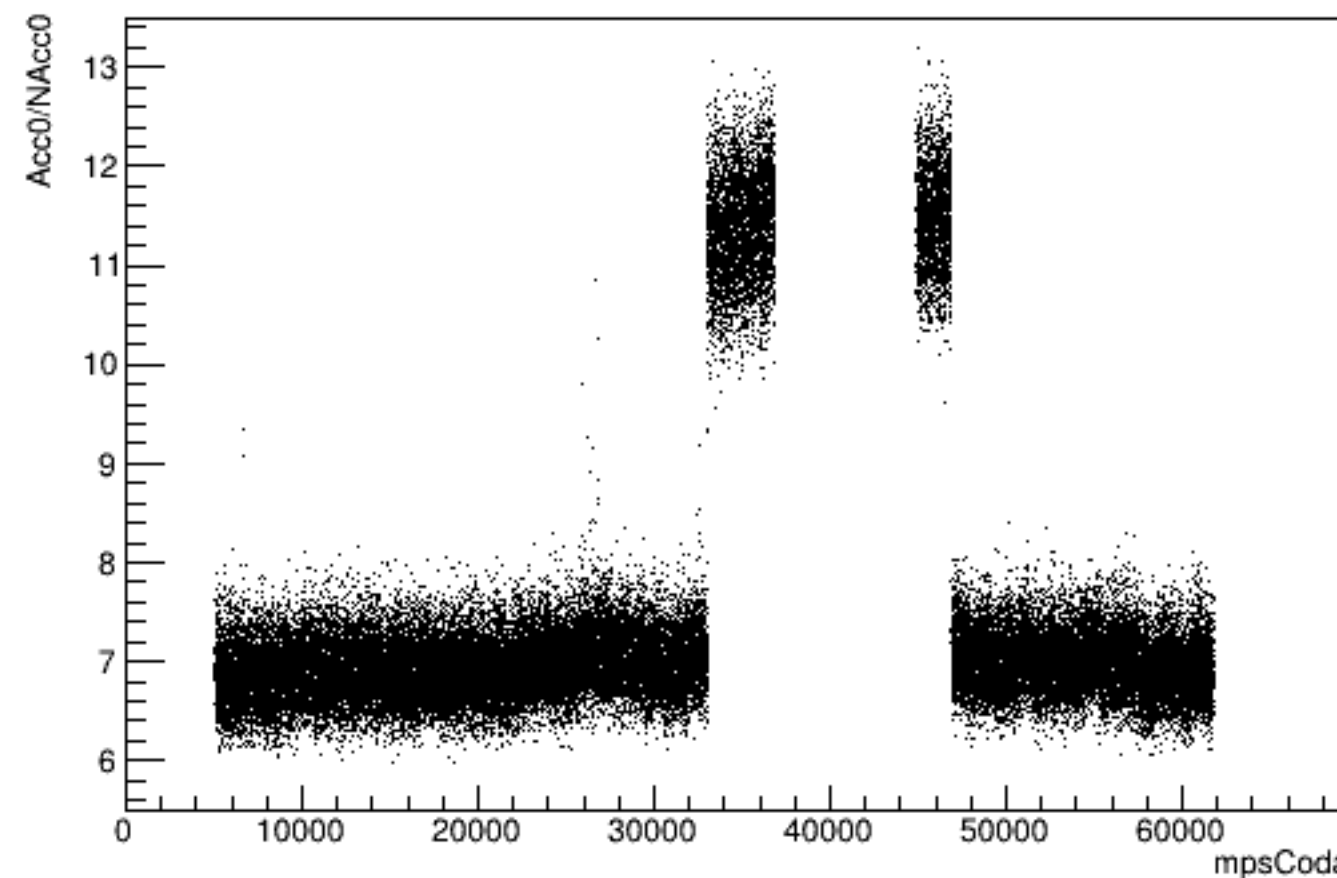
Mean: -0.0001 +/- 0.0005

Std Dev: 0.0217 +/- 0.0004

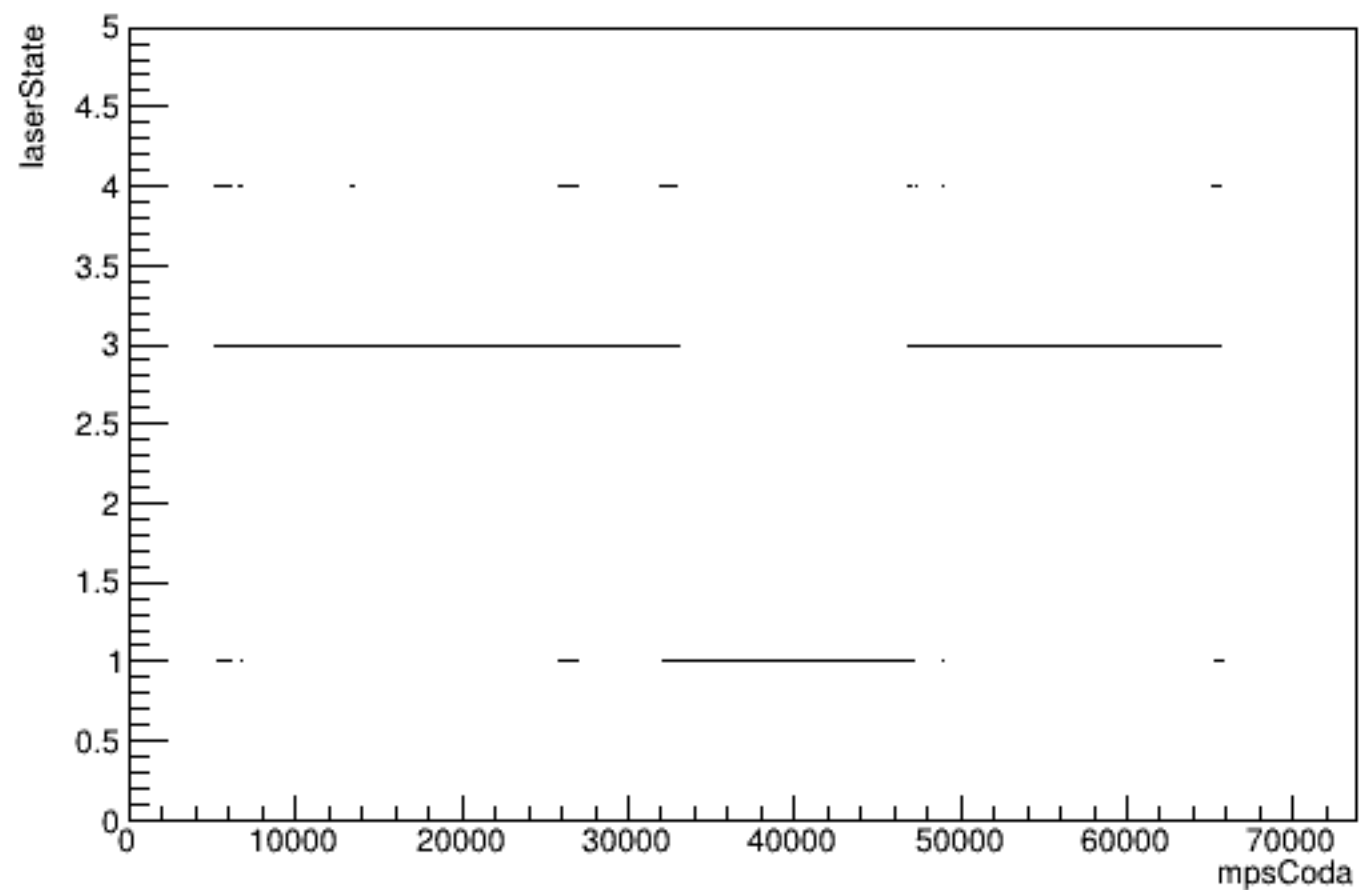
Run 4610 quartetwise, Asyms



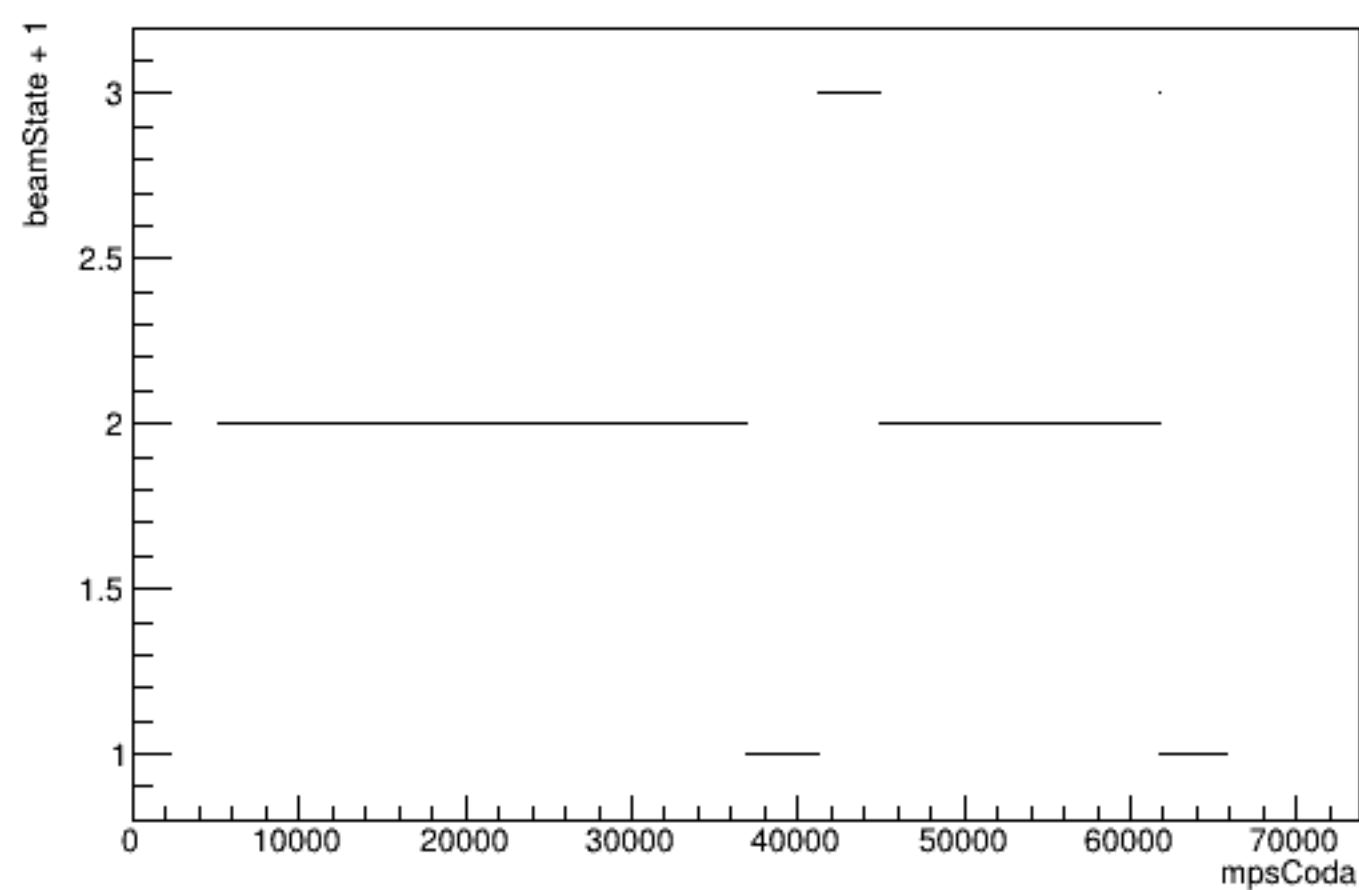
Acc0/NAcc0:mpsCoda {mpsCoda>=5062 && mpsCoda<=65693 && beamState==1}



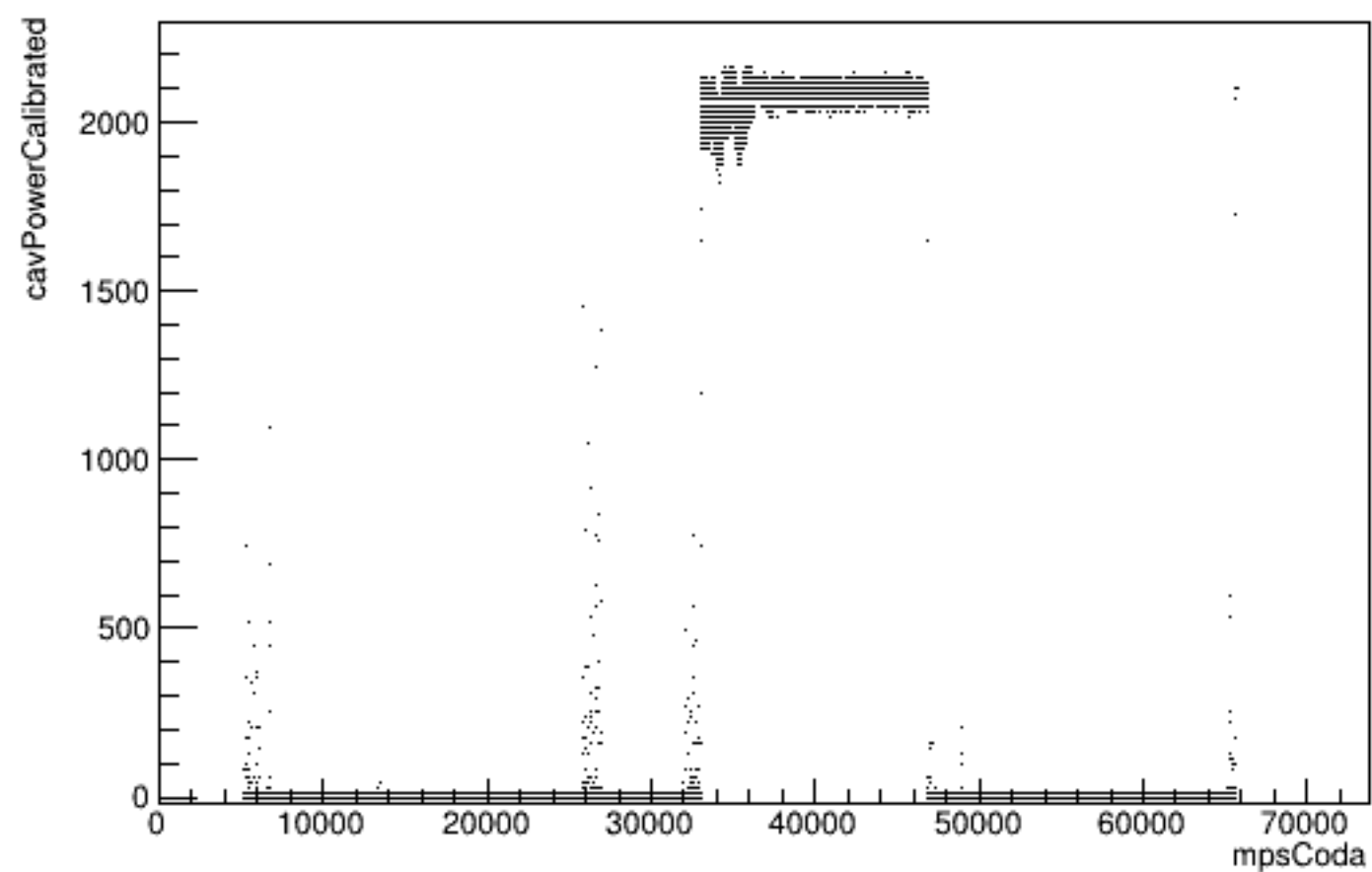
laserState:mpsCoda {mpsCoda&gt;=5062 &amp;&amp; mpsCoda&lt;=65693}



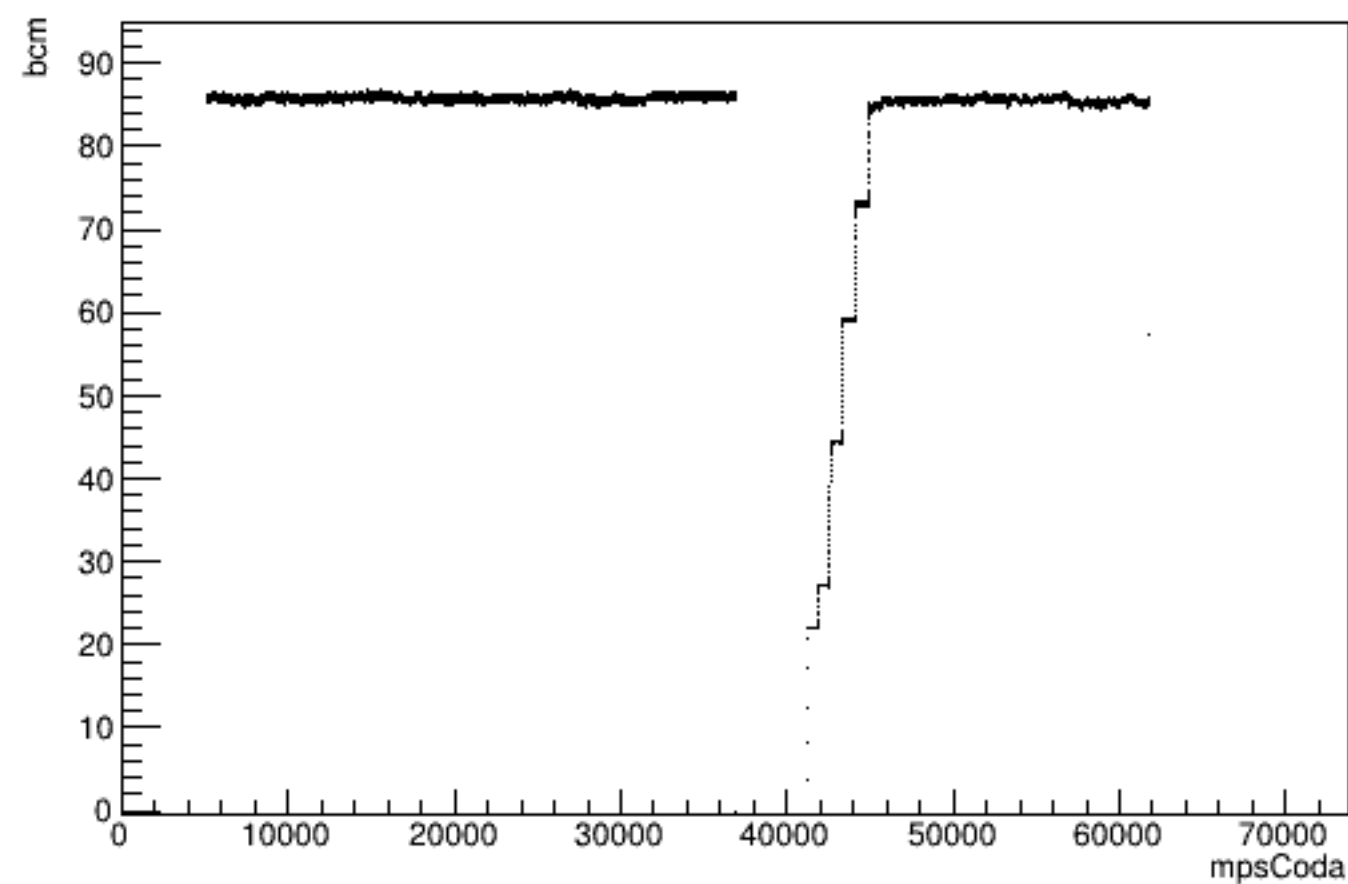
beamState + 1:mpsCoda {mpsCoda&gt;=5062 &amp;&amp; mpsCoda&lt;=65693}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=5062 &amp;&amp; mpsCoda&lt;=65693}



bcm:mpsCoda {mpsCoda&gt;=5062 &amp;&amp; mpsCoda&lt;=65693}



## Cycle 2, Diffs

Entries: 2458

Mean: -0.0012 +/- 0.0038

Std Dev: 0.1890 +/- 0.0027

Entries: 4182

Mean: 0.1297 +/- 0.0044

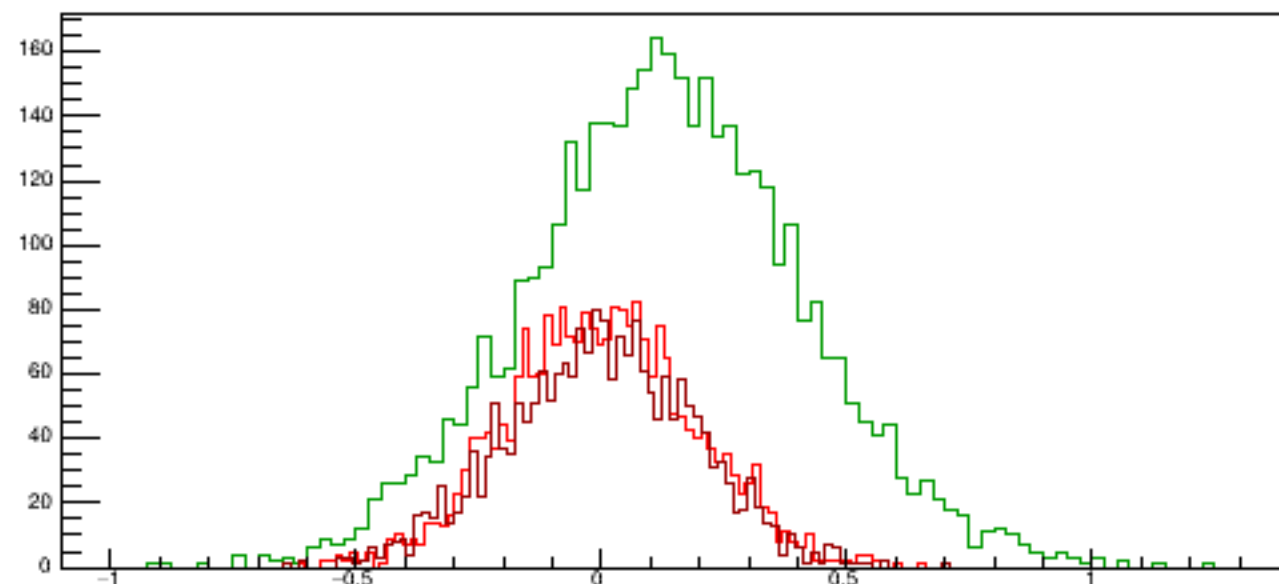
Std Dev: 0.2824 +/- 0.0031

Entries: 2112

Mean: -0.0030 +/- 0.0041

Std Dev: 0.1906 +/- 0.0029

Run 4610 quartetwise, Diffs



## Cycle 2, Sums

Entries: 2458

Mean: 14.1910 +/- 0.0050

Std Dev: 0.2467 +/- 0.0035

Entries: 4182

Mean: 22.6814 +/- 0.0078

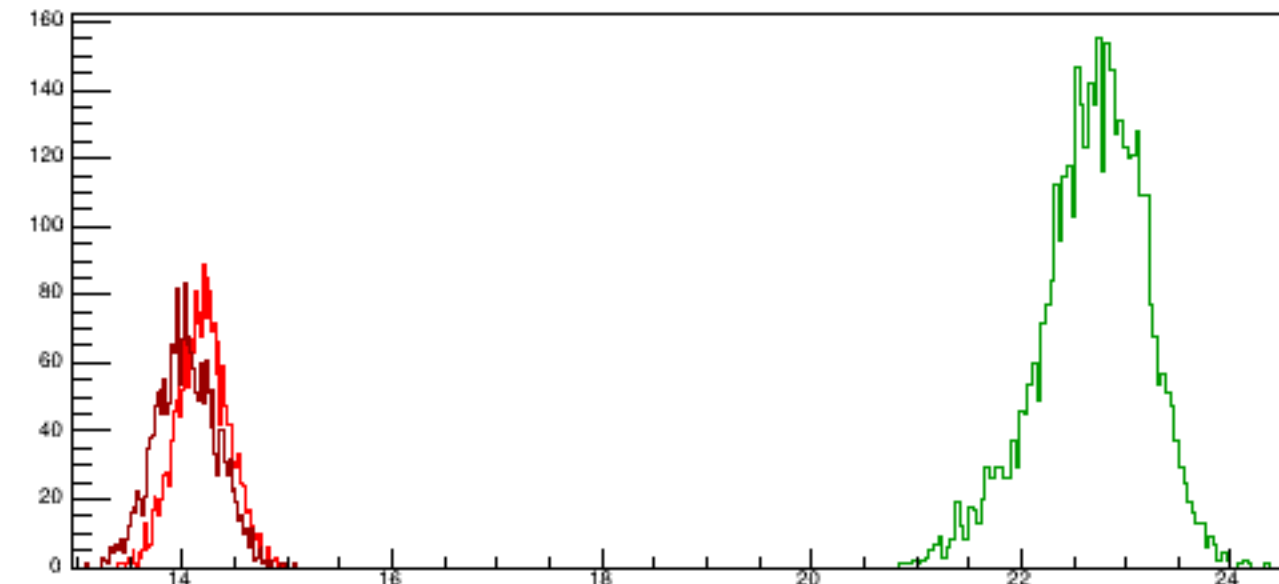
Std Dev: 0.5062 +/- 0.0055

Entries: 2112

Mean: 14.0395 +/- 0.0063

Std Dev: 0.2905 +/- 0.0045

Run 4610 quartetwise, Sums



## Cycle 2, Asyms

Entries: 2458

Mean: -0.0001 +/- 0.0004

Std Dev: 0.0221 +/- 0.0003

Entries: 4182

Mean: 0.0151 +/- 0.0005

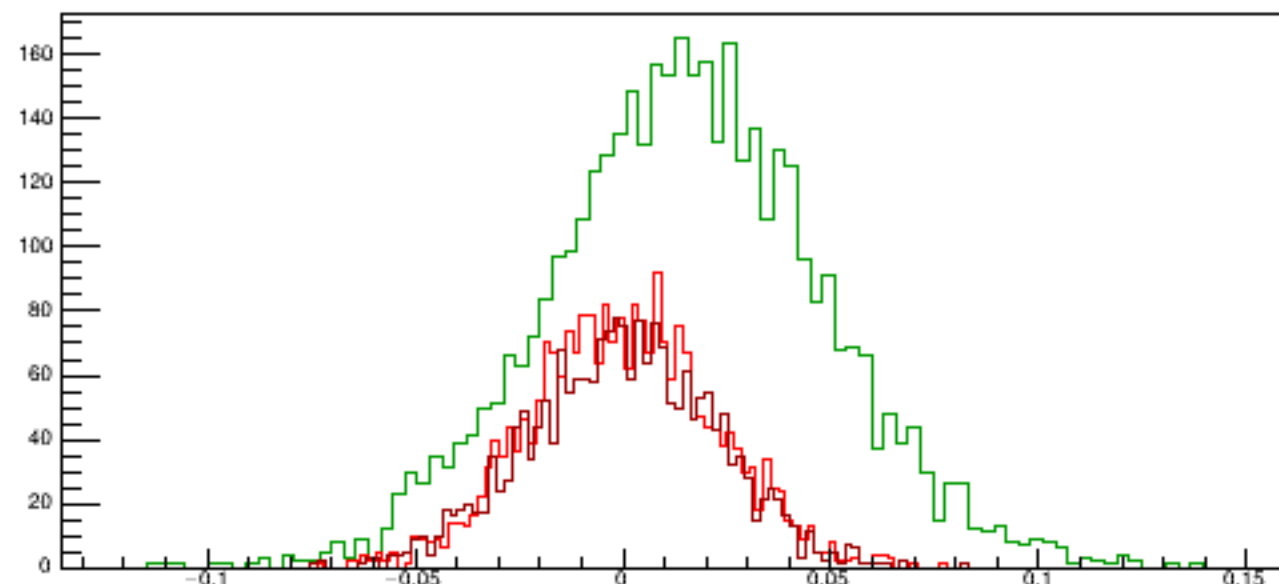
Std Dev: 0.0331 +/- 0.0004

Entries: 2112

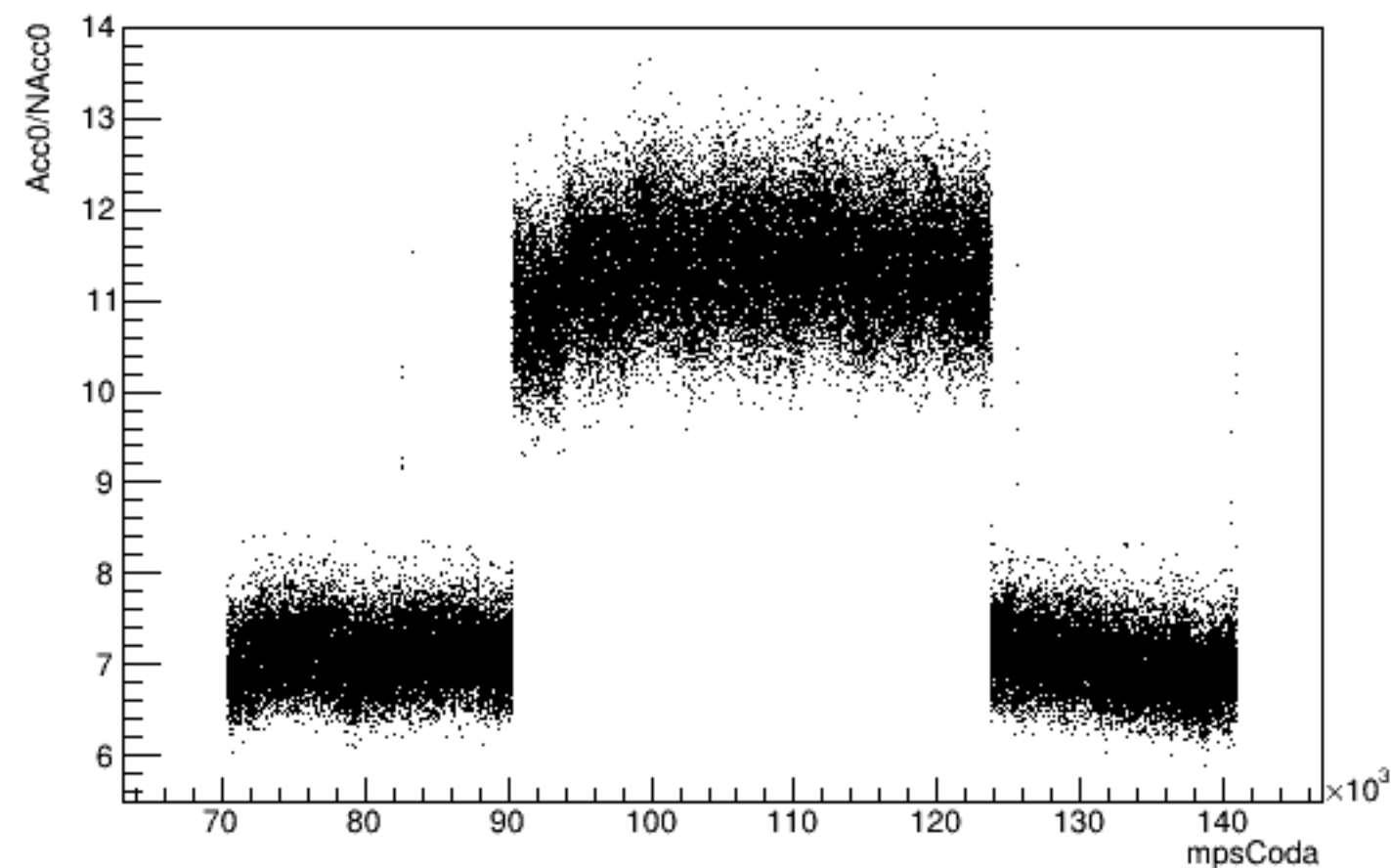
Mean: -0.0003 +/- 0.0005

Std Dev: 0.0222 +/- 0.0003

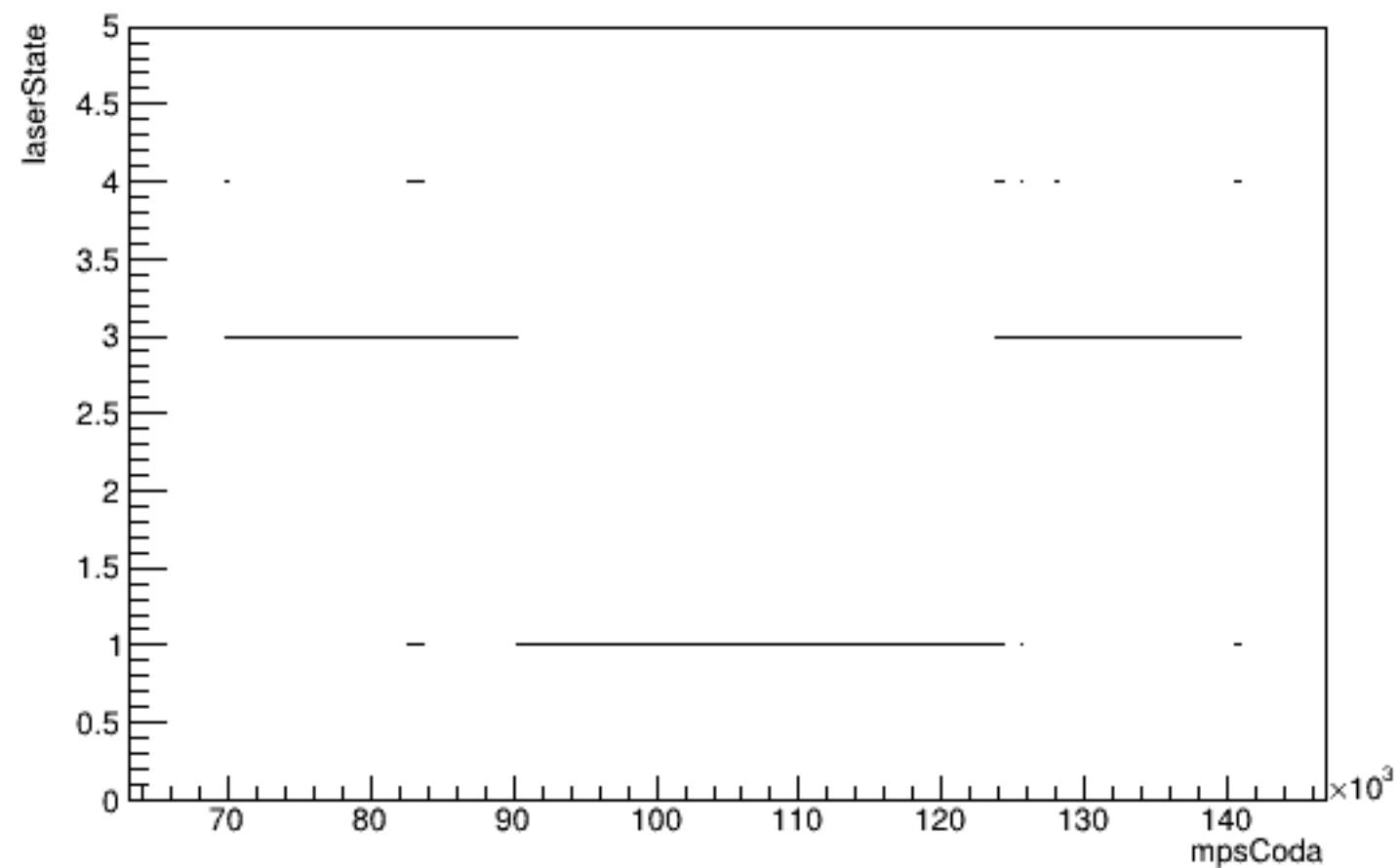
Run 4610 quartetwise, Asyms



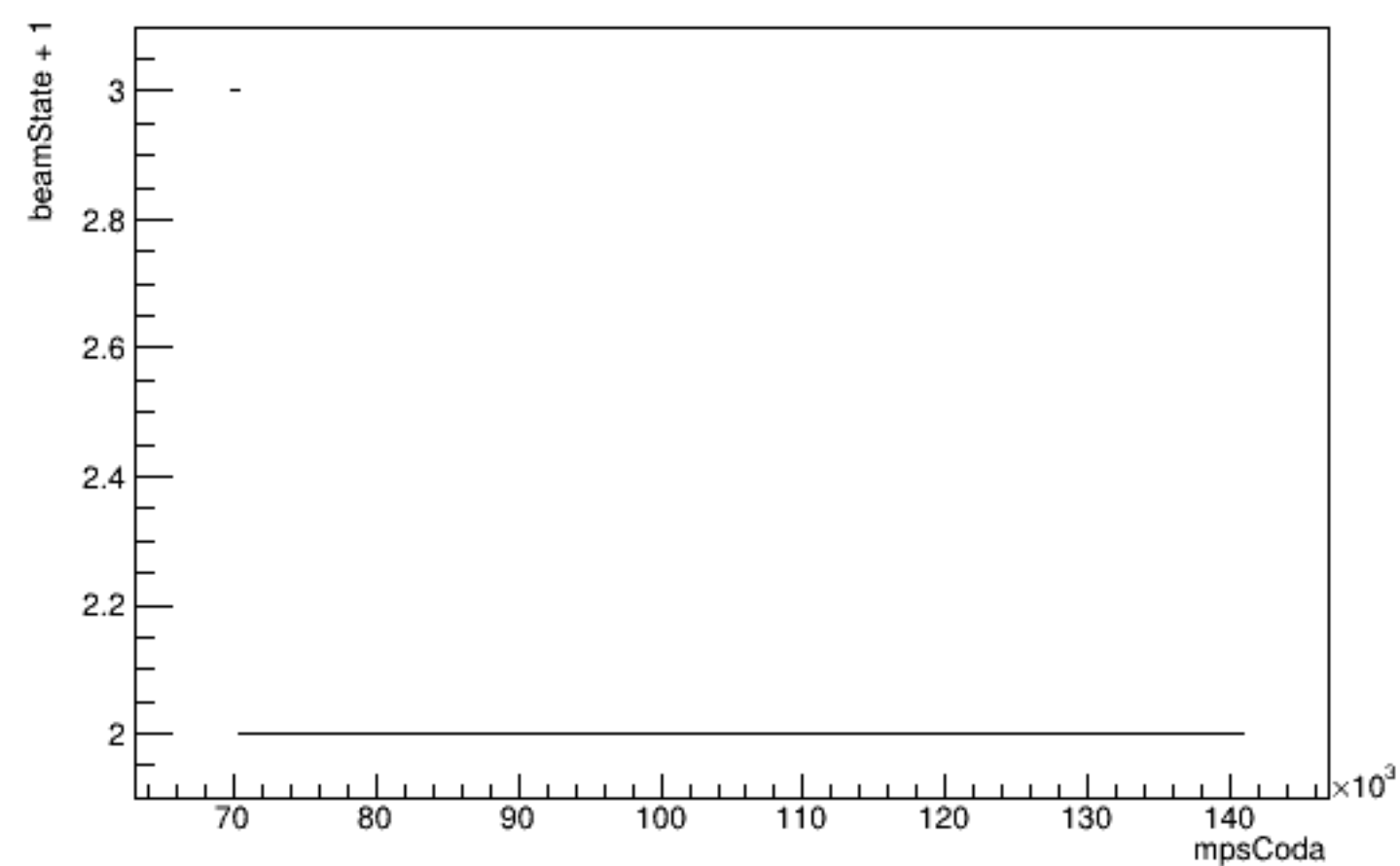
Acc0/NAcc0:mpsCoda {mpsCoda>=69710 && mpsCoda<=140941 && beamState==1}



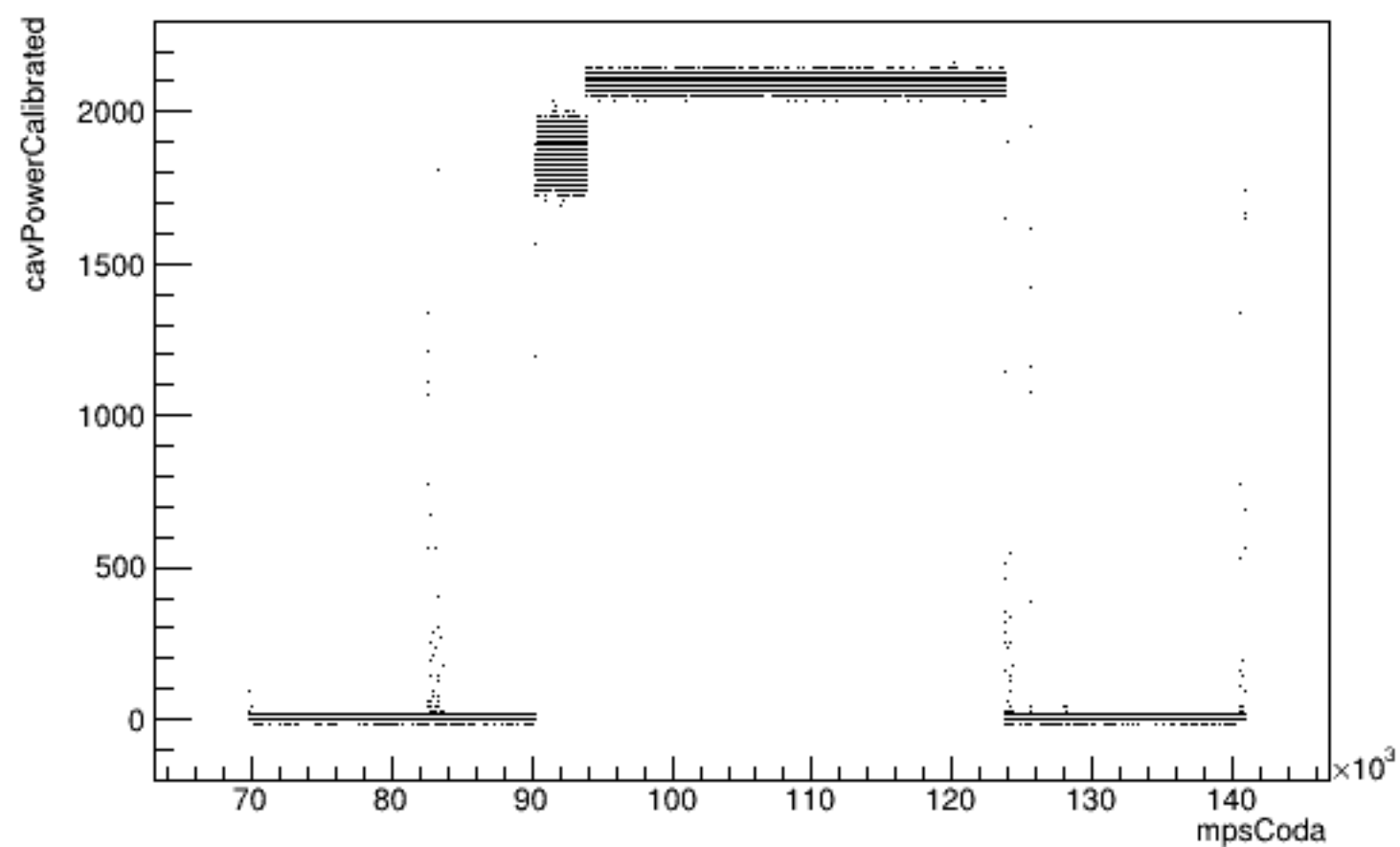
laserState:mpsCoda {mpsCoda&gt;=69710 &amp;&amp; mpsCoda&lt;=140941}



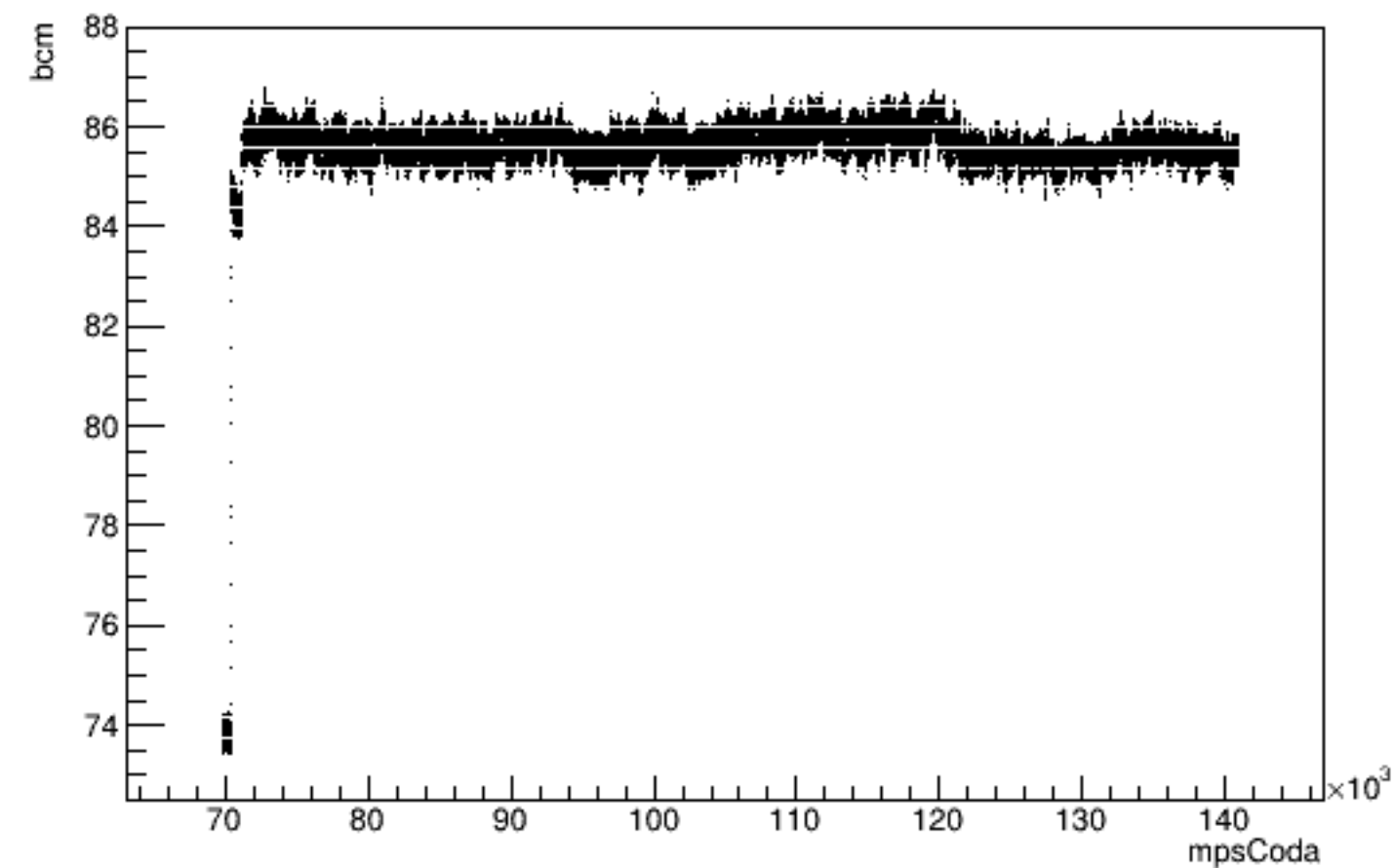
beamState + 1:mpsCoda {mpsCoda&gt;=69710 &amp;&amp; mpsCoda&lt;=140941}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=69710 &amp;&amp; mpsCoda&lt;=140941}



bcm:mpsCoda {mpsCoda&gt;=69710 &amp;&amp; mpsCoda&lt;=140941}



## Cycle 3, Diffs

Entries: 2112

Mean: -0.0030 +/- 0.0041

Std Dev: 0.1906 +/- 0.0029

Entries: 483

Mean: 0.1337 +/- 0.0117

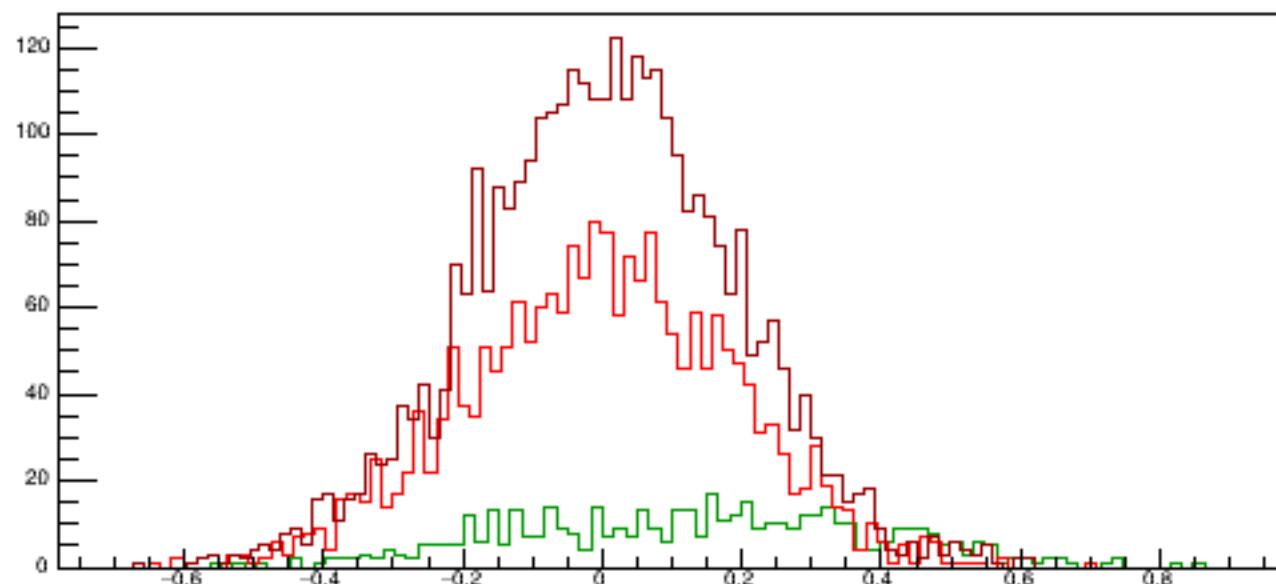
Std Dev: 0.2565 +/- 0.0083

Entries: 3480

Mean: 0.0019 +/- 0.0032

Std Dev: 0.1864 +/- 0.0022

Run 4610 quartetwise, Diffs



## Cycle 3, Sums

Entries: 2112

Mean: 14.0395 +/- 0.0063

Std Dev: 0.2905 +/- 0.0045

Entries: 483

Mean: 22.2416 +/- 0.0170

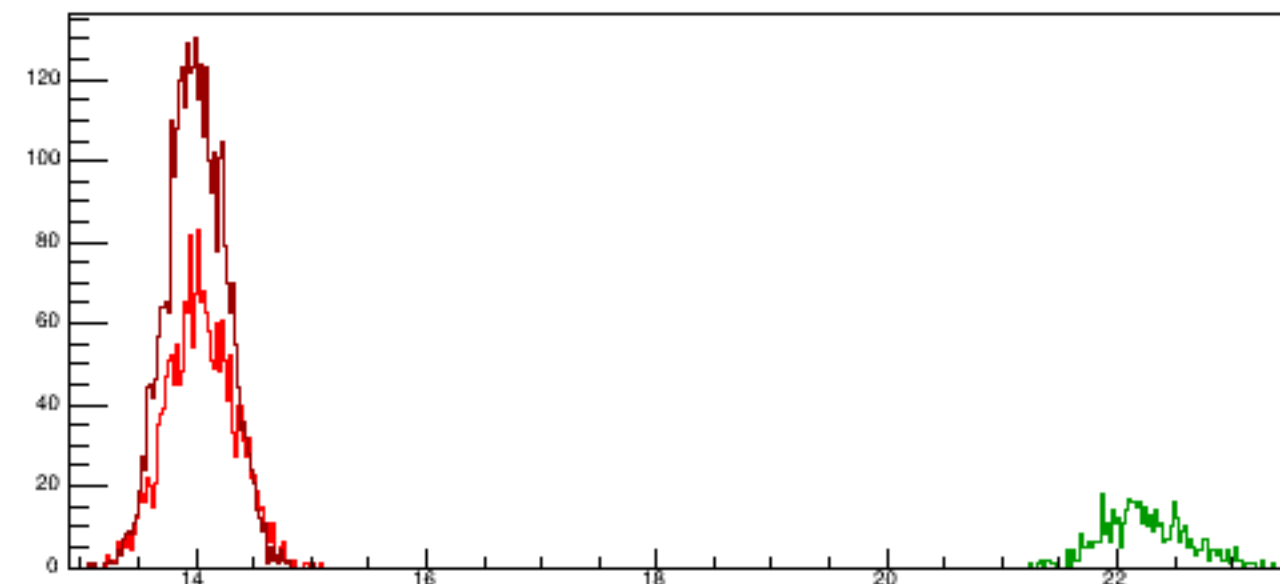
Std Dev: 0.3735 +/- 0.0120

Entries: 3480

Mean: 13.9990 +/- 0.0043

Std Dev: 0.2544 +/- 0.0030

Run 4610 quartetwise, Sums



## Cycle 3, Asyms

Entries: 2112

Mean: -0.0004 +/- 0.0005

Std Dev: 0.0232 +/- 0.0004

Entries: 483

Mean: 0.0163 +/- 0.0014

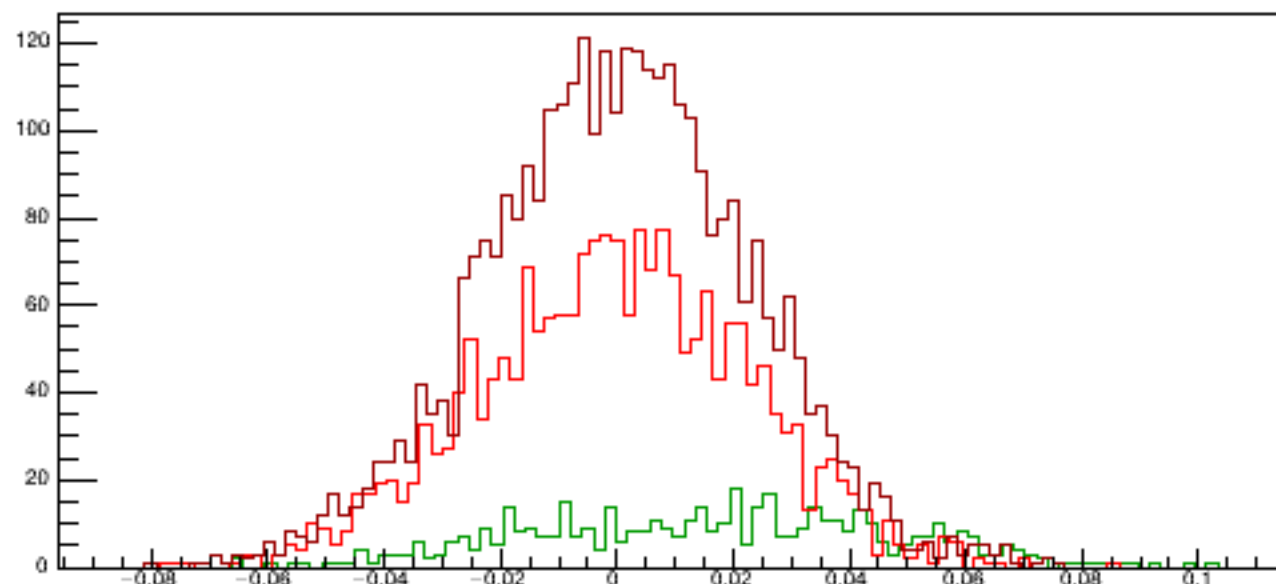
Std Dev: 0.0312 +/- 0.0010

Entries: 3480

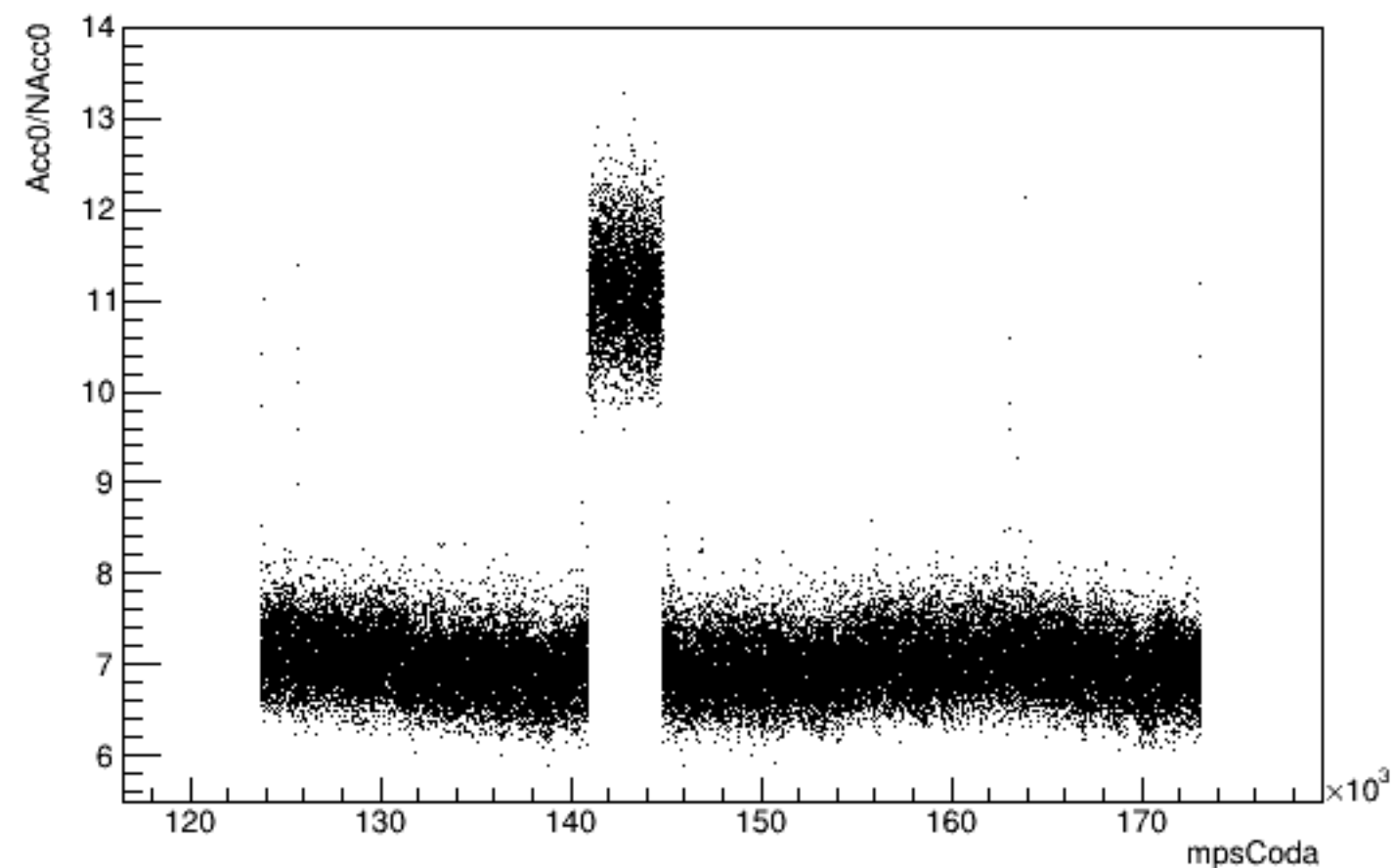
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0227 +/- 0.0003

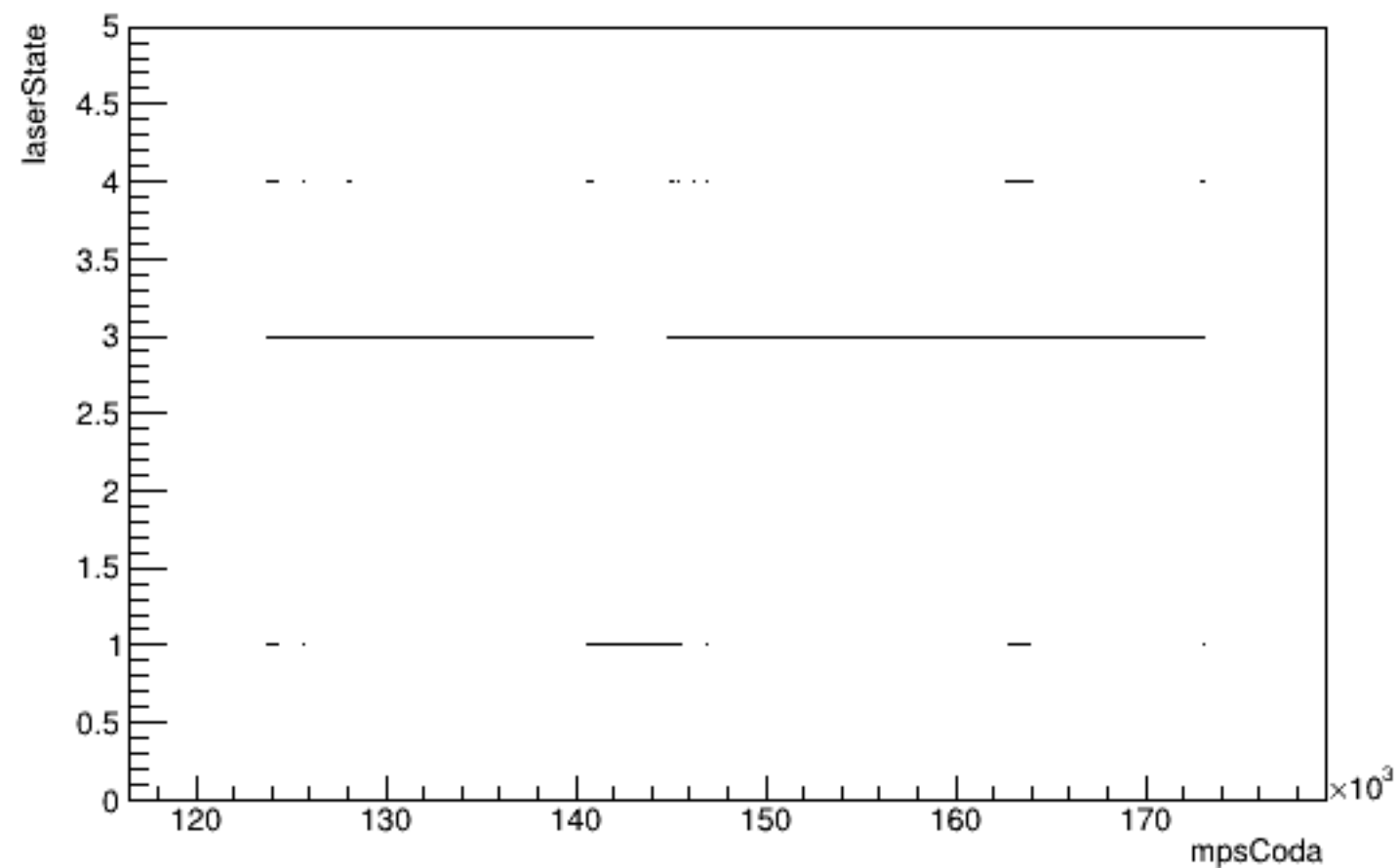
Run 4610 quartetwise, Asyms



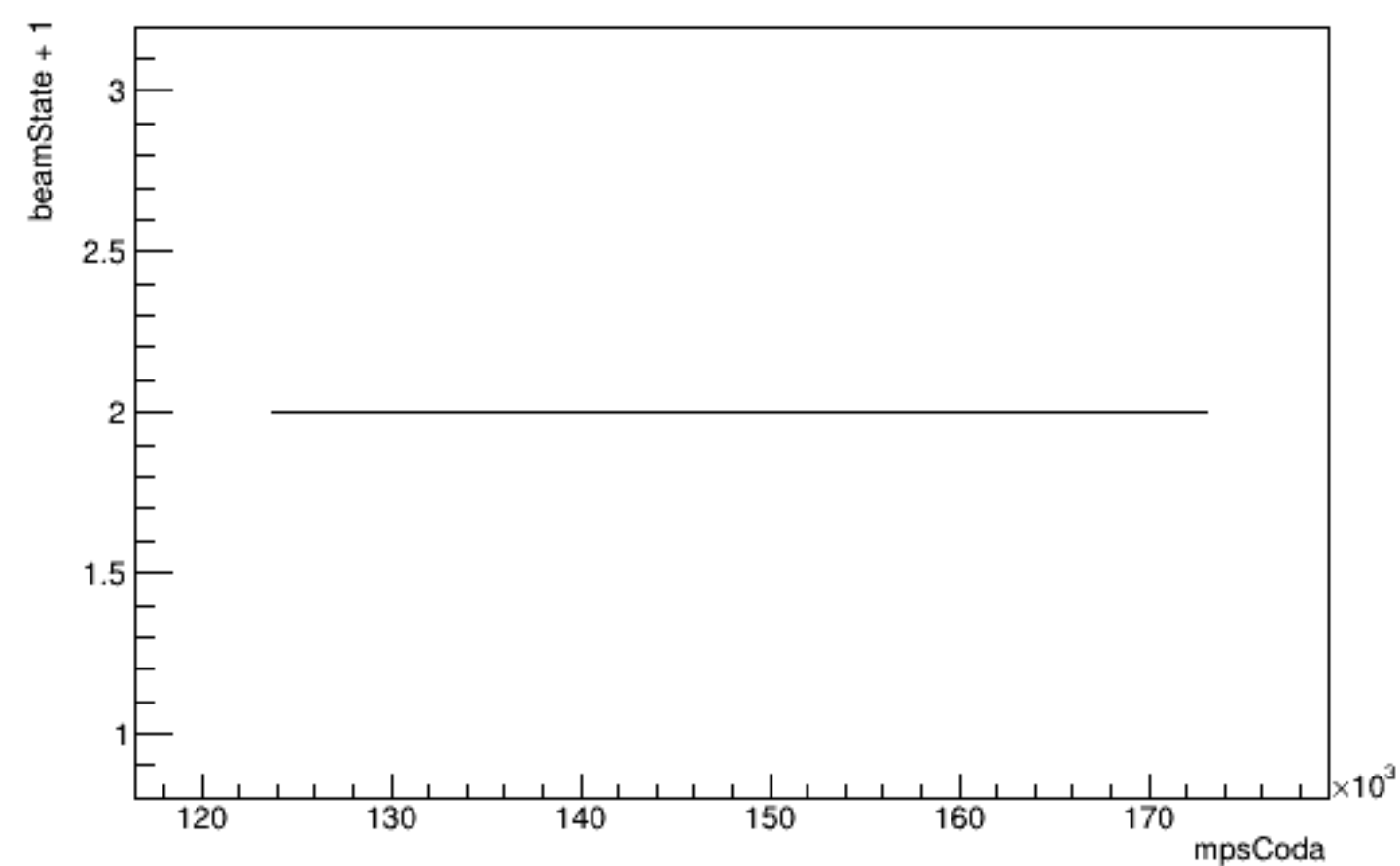
Acc0/NAcc0:mpsCoda {mpsCoda>=123750 && mpsCoda<=173085 && beamState==1}



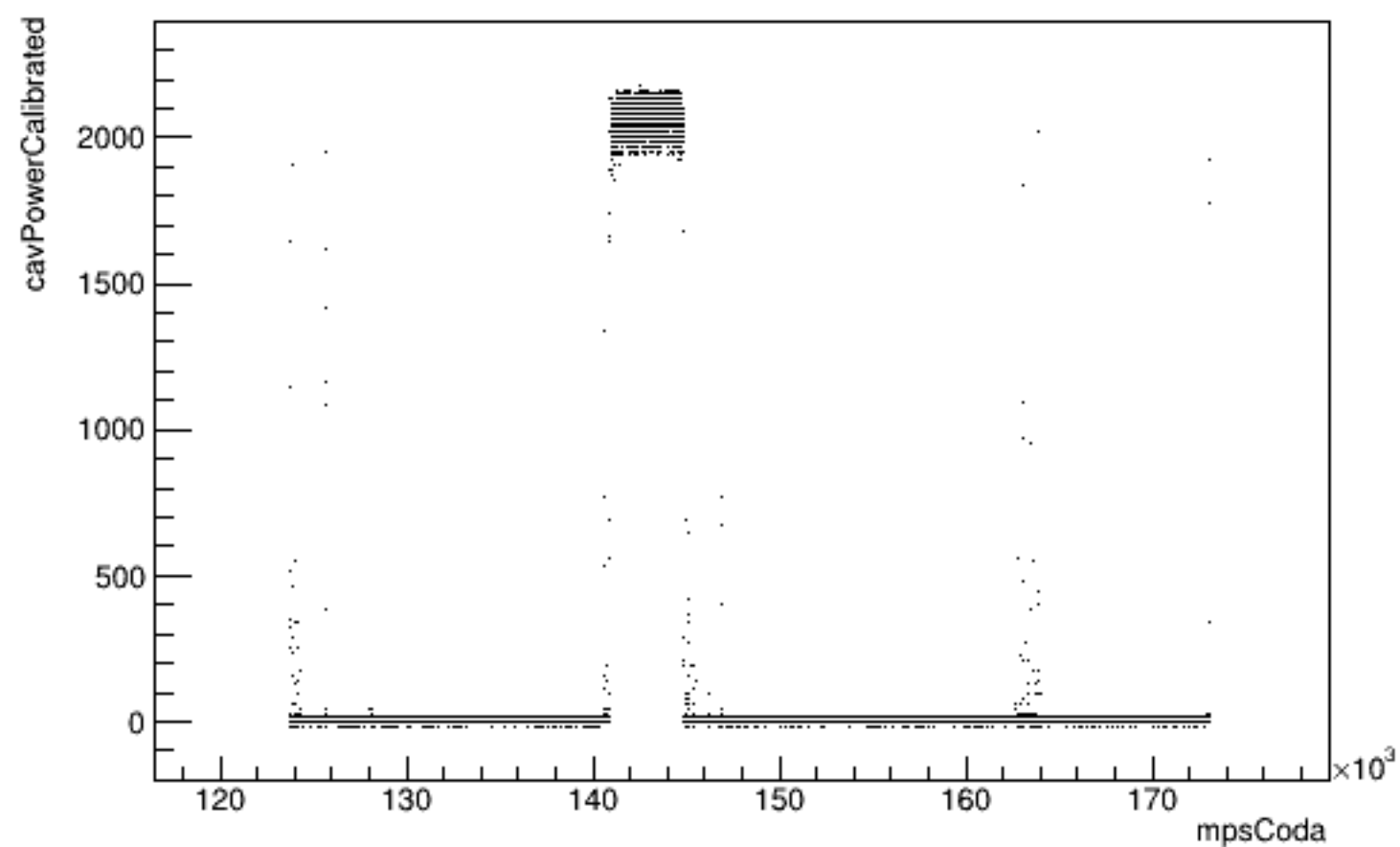
laserState:mpsCoda {mpsCoda&gt;=123750 &amp;&amp; mpsCoda&lt;=173085}



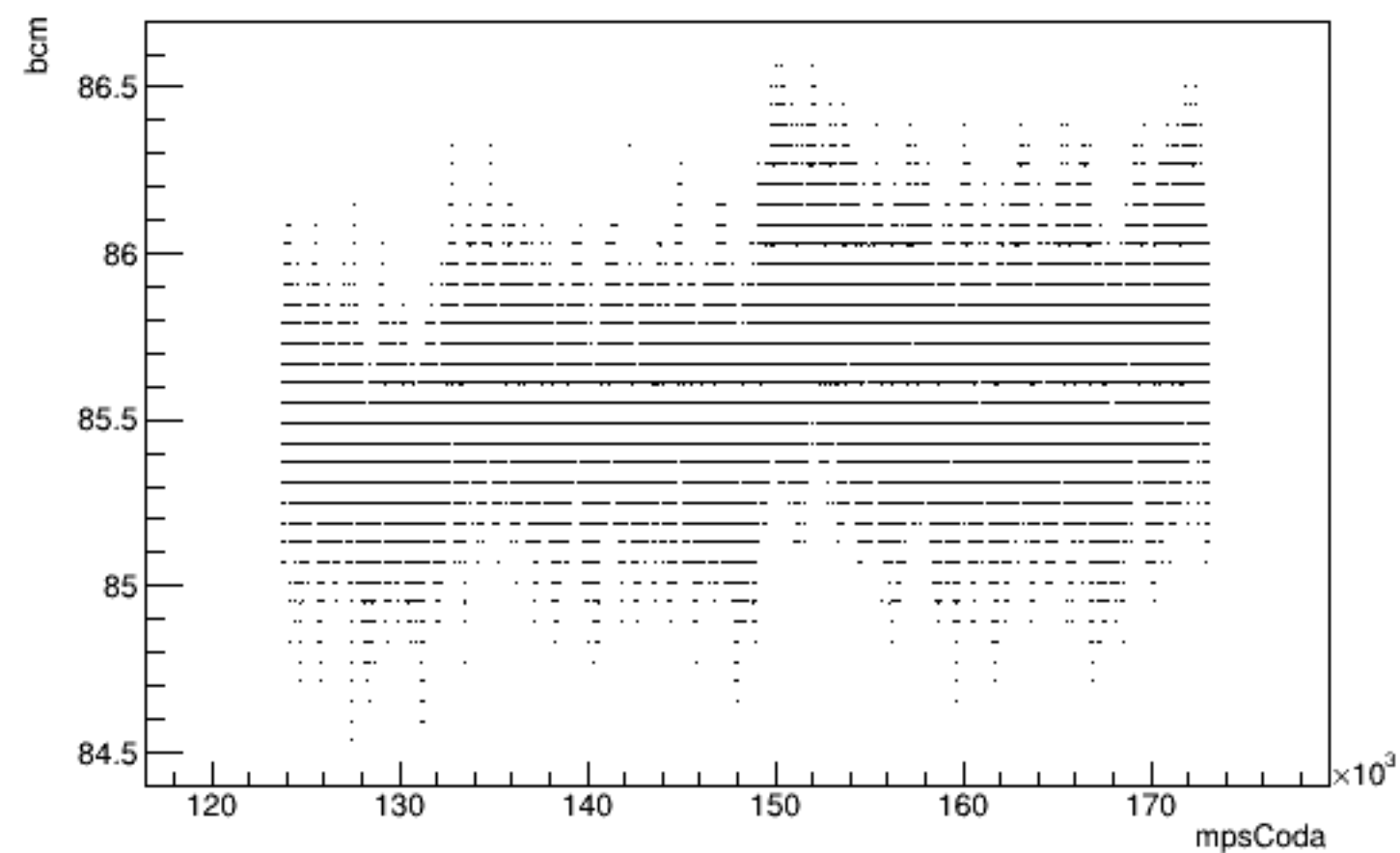
beamState + 1:mpsCoda {mpsCoda&gt;=123750 &amp;&amp; mpsCoda&lt;=173085}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=123750 &amp;&amp; mpsCoda&lt;=173085}



bcm:mpsCoda {mpsCoda&gt;=123750 &amp;&amp; mpsCoda&lt;=173085}



## Cycle 4, Diffs

Entries: 2615

Mean: 0.0021 +/- 0.0037

Std Dev: 0.1901 +/- 0.0026

Entries: 4147

Mean: 0.1286 +/- 0.0044

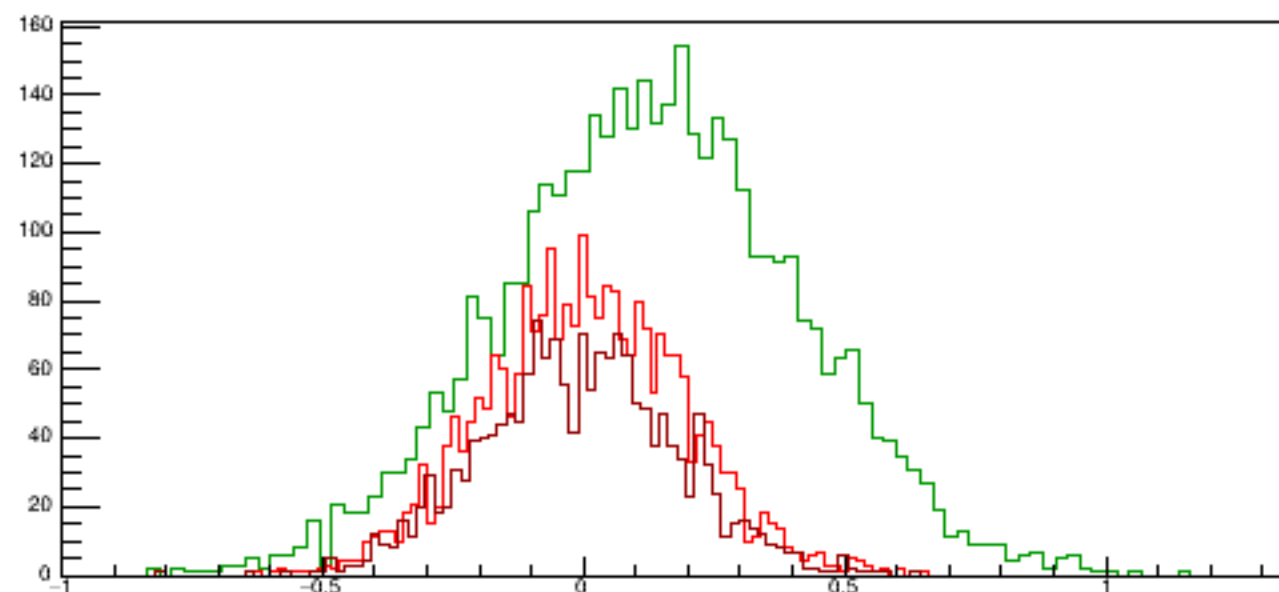
Std Dev: 0.2822 +/- 0.0031

Entries: 1728

Mean: -0.0073 +/- 0.0045

Std Dev: 0.1872 +/- 0.0032

Run 4610 quartetwise, Diffs



## Cycle 4, Sums

Entries: 2615

Mean: 13.9677 +/- 0.0052

Std Dev: 0.2646 +/- 0.0037

Entries: 4147

Mean: 22.7368 +/- 0.0073

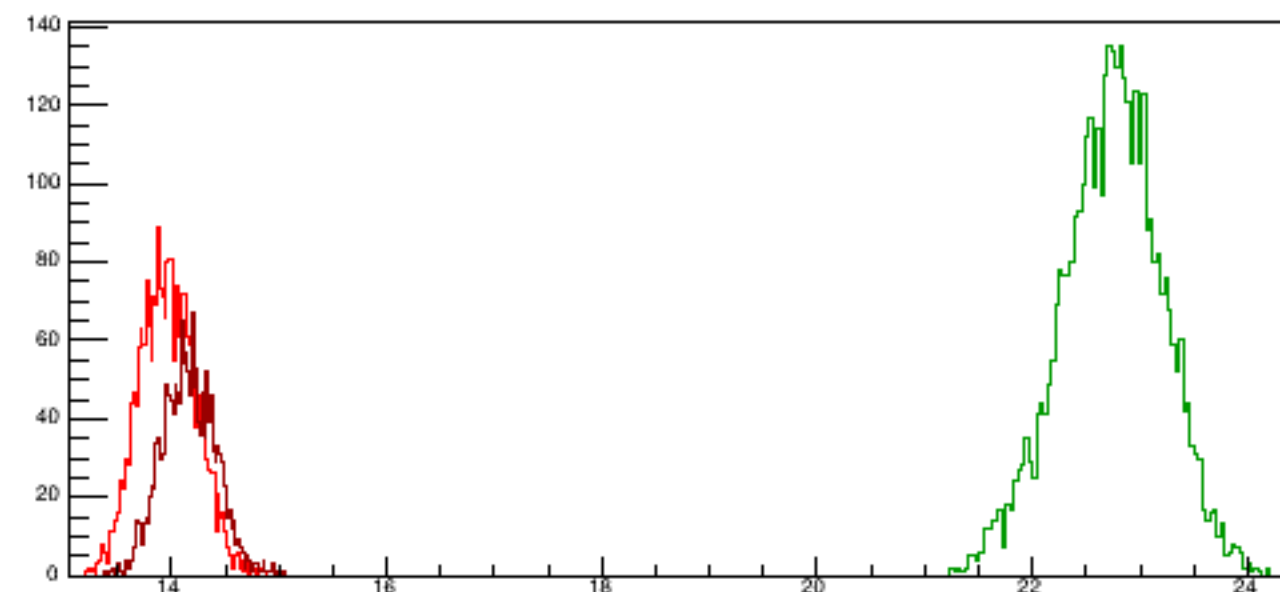
Std Dev: 0.4714 +/- 0.0052

Entries: 1728

Mean: 14.1614 +/- 0.0060

Std Dev: 0.2489 +/- 0.0042

Run 4610 quartetwise, Sums



## Cycle 4, Asyms

Entries: 2615

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0219 +/- 0.0003

Entries: 4147

Mean: 0.0148 +/- 0.0005

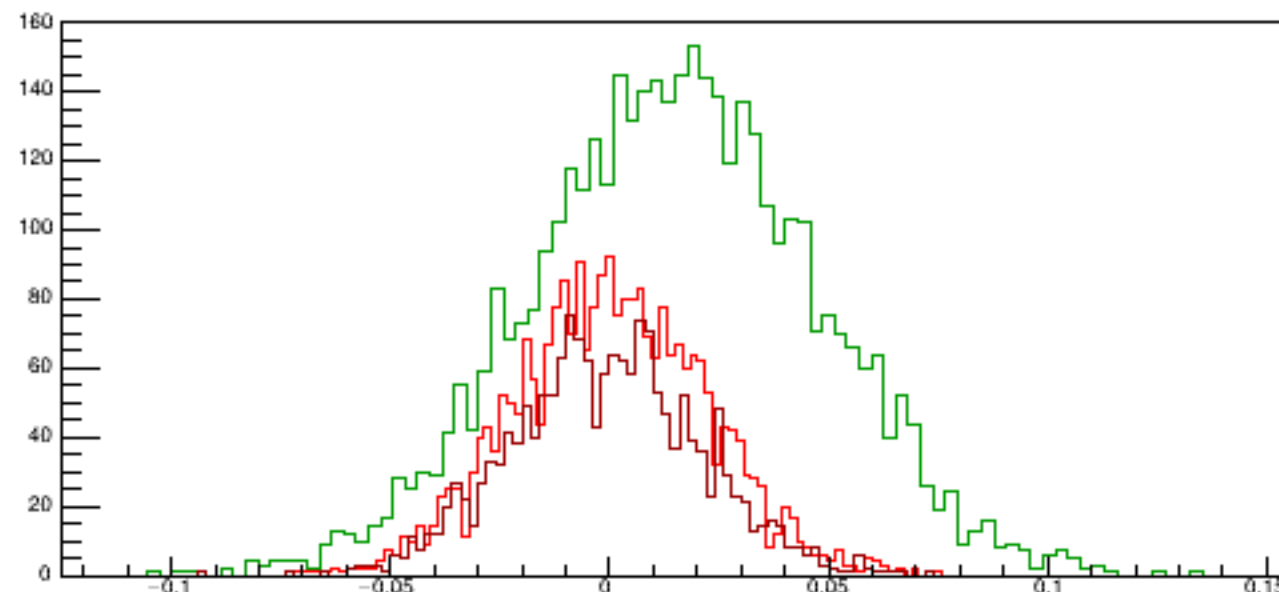
Std Dev: 0.0326 +/- 0.0004

Entries: 1728

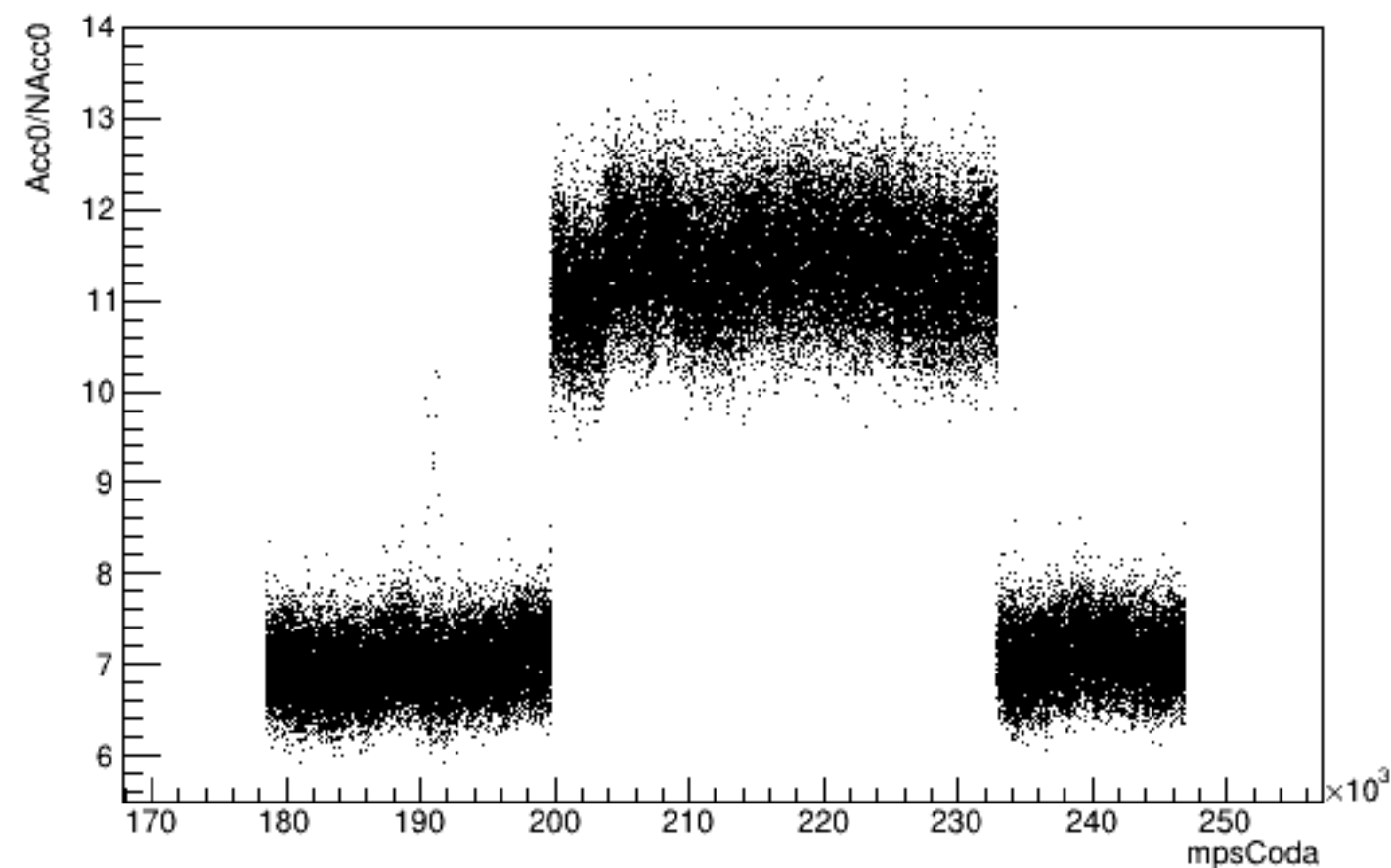
Mean: -0.0008 +/- 0.0005

Std Dev: 0.0216 +/- 0.0004

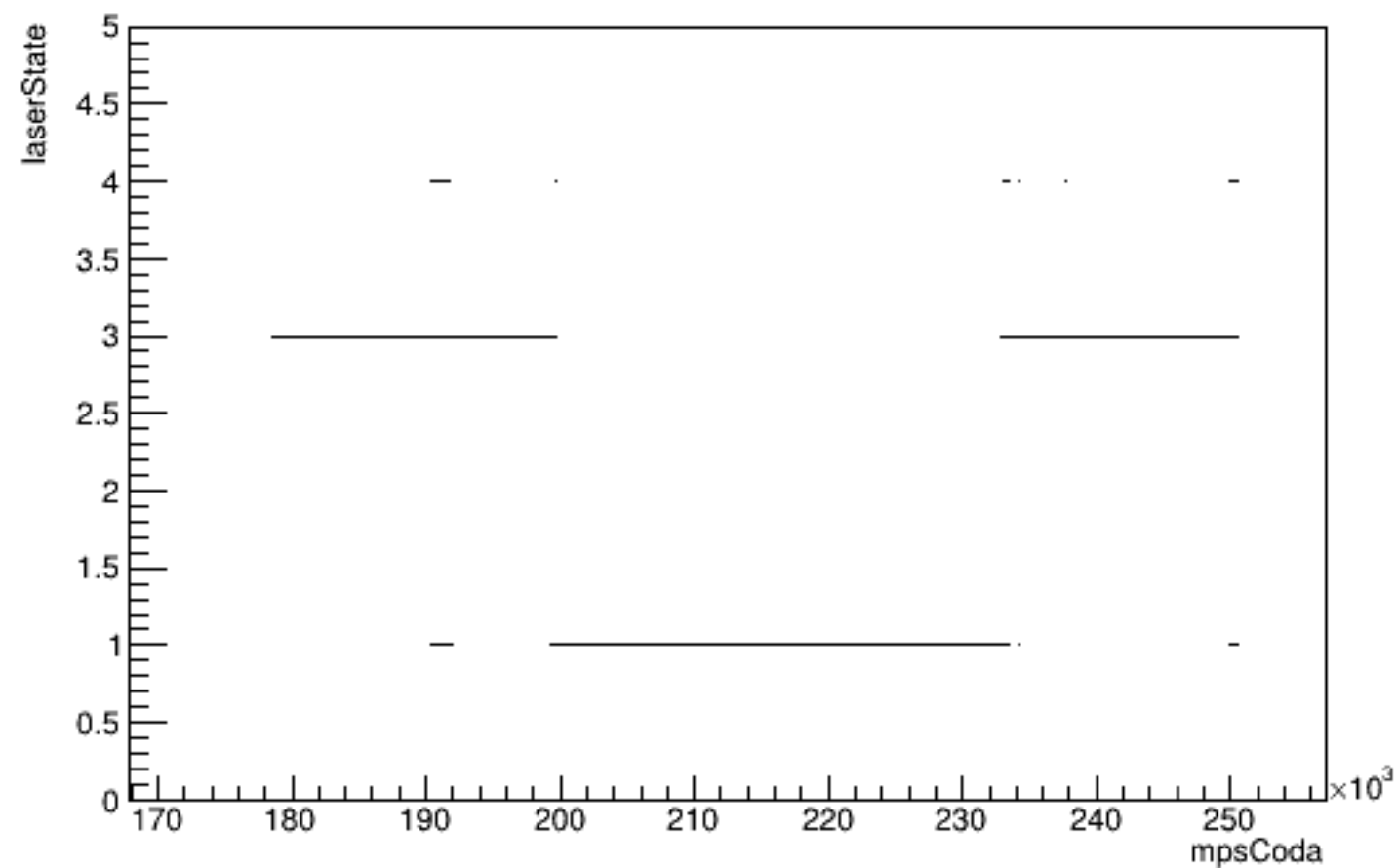
Run 4610 quartetwise, Asyms



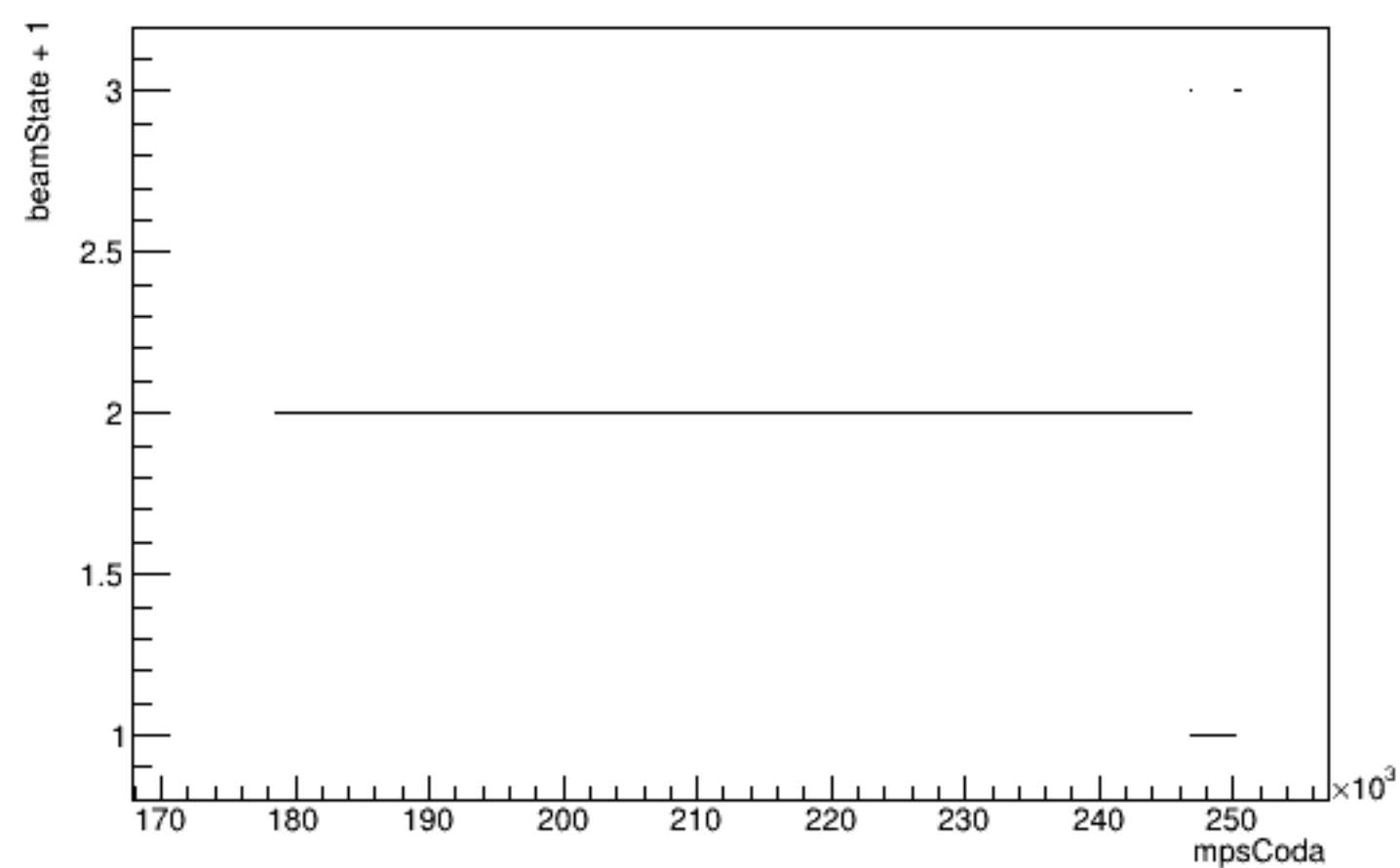
Acc0/NAcc0:mpsCoda {mpsCoda>=178462 && mpsCoda<=250525 && beamState==1}



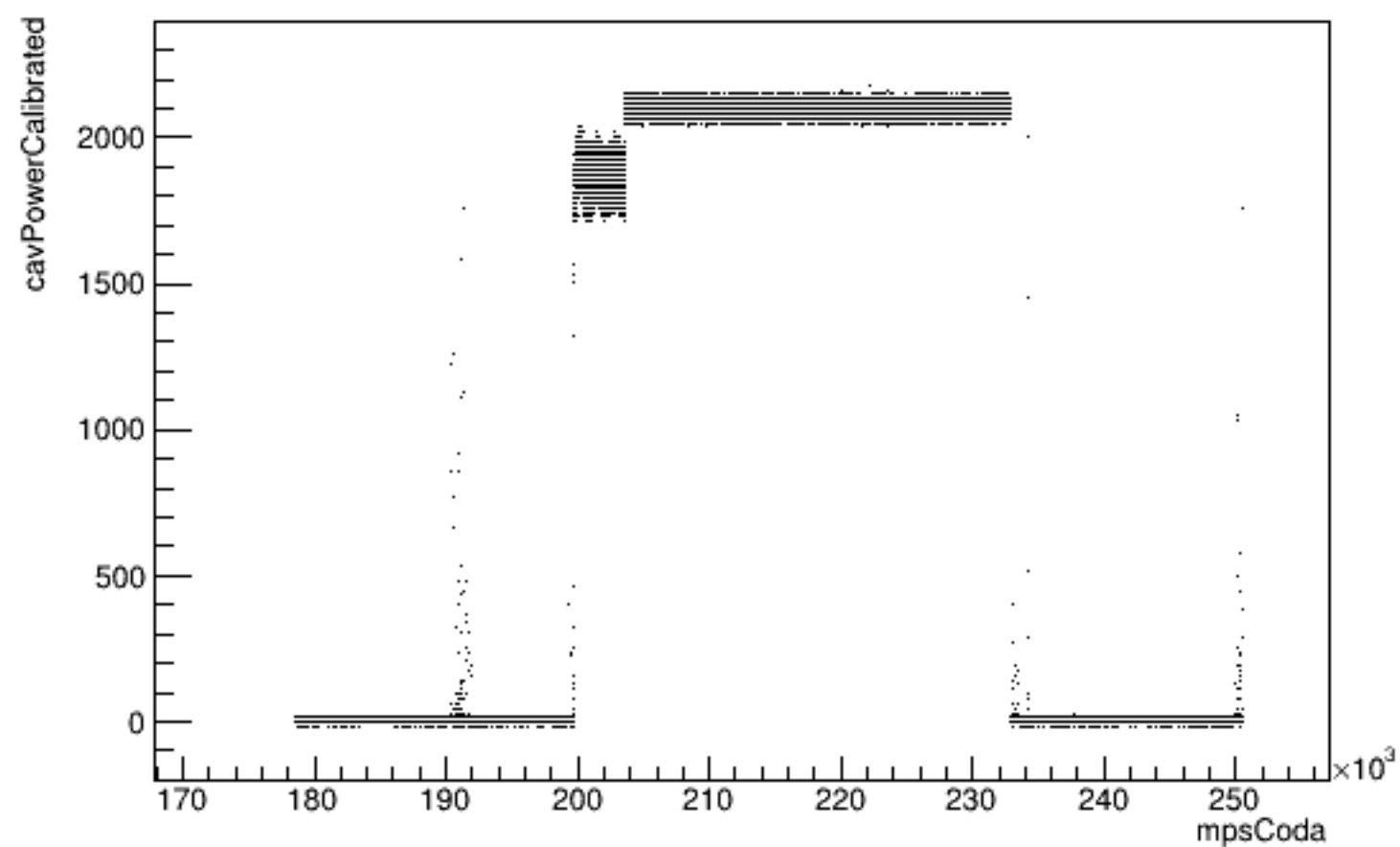
laserState:mpsCoda {mpsCoda&gt;=178462 &amp;&amp; mpsCoda&lt;=250525}



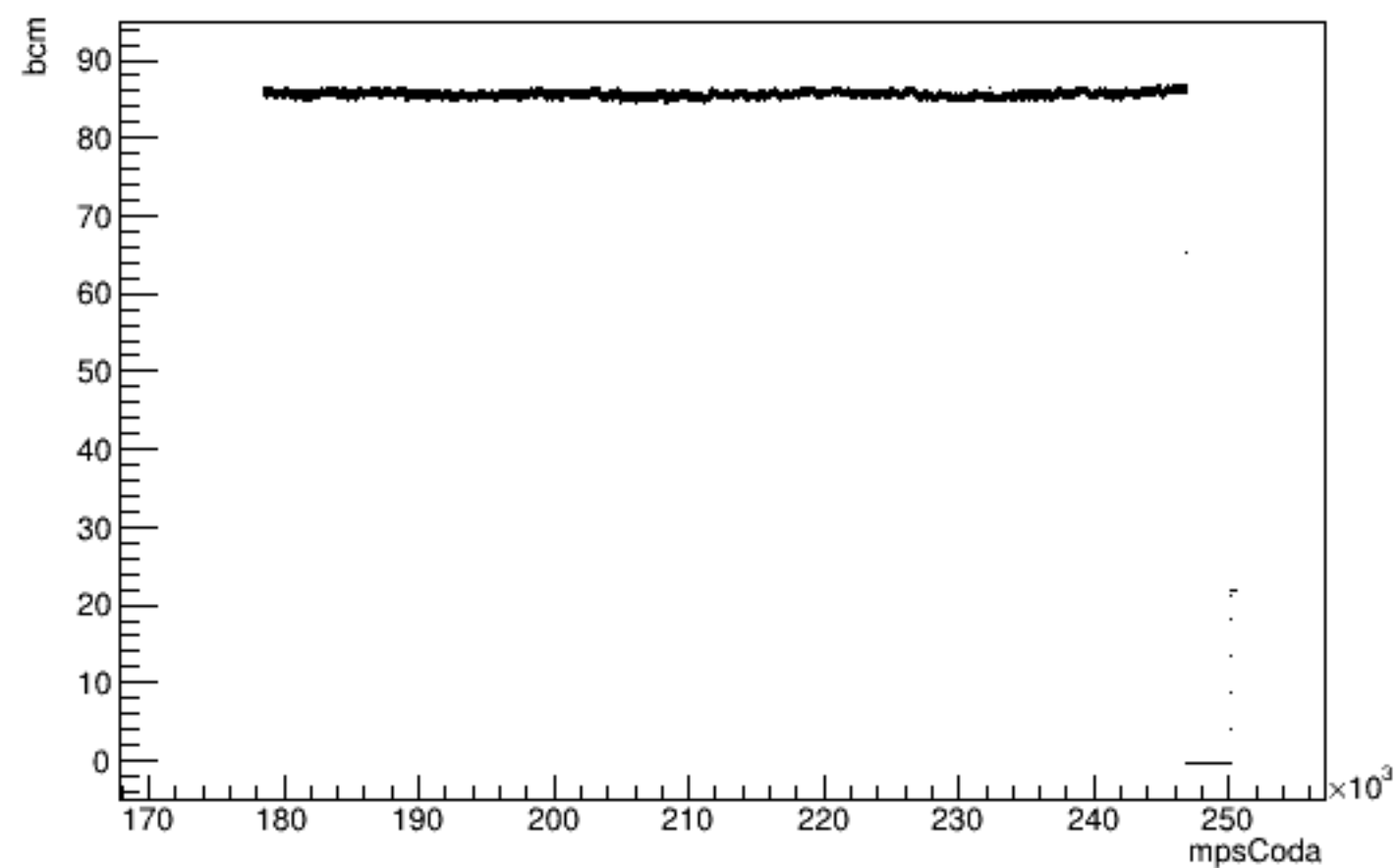
beamState + 1:mpsCoda {mpsCoda&gt;=178462 &amp;&amp; mpsCoda&lt;=250525}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=178462 &amp;&amp; mpsCoda&lt;=250525}



bcm:mpsCoda {mpsCoda&gt;=178462 &amp;&amp; mpsCoda&lt;=250525}



## Cycle 5, Diffs

Entries: 1728

Mean: -0.0073 +/- 0.0045

Std Dev: 0.1872 +/- 0.0032

Entries: 226

Mean: 0.1460 +/- 0.0193

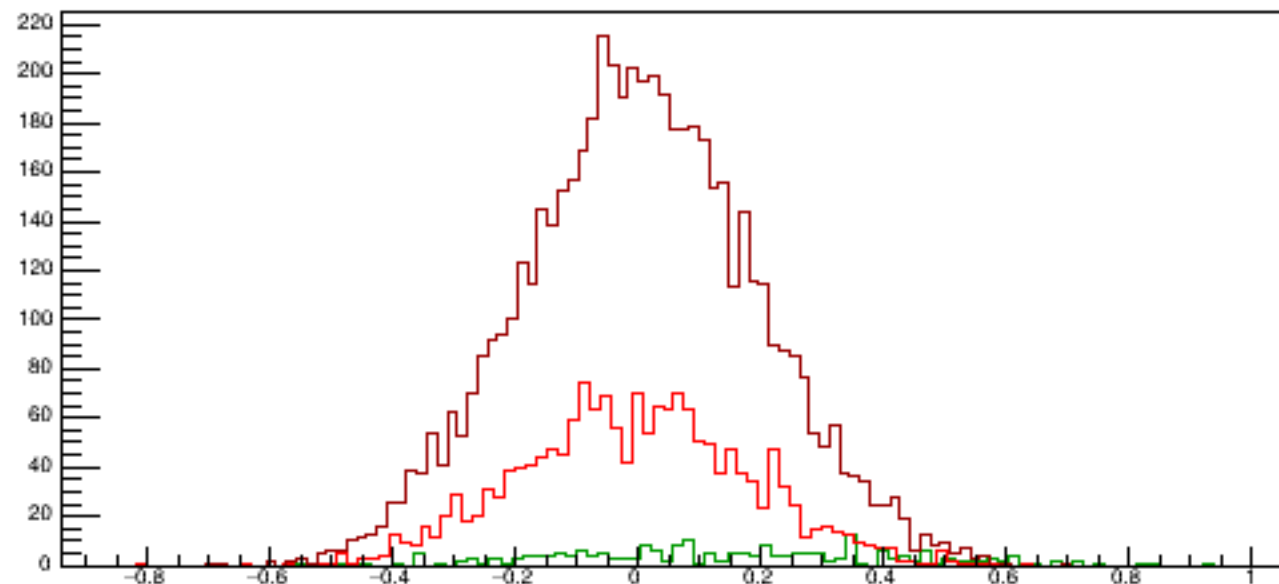
Std Dev: 0.2902 +/- 0.0137

Entries: 5697

Mean: 0.0016 +/- 0.0025

Std Dev: 0.1908 +/- 0.0018

Run 4610 quartetwise, Diffs



## Cycle 5, Sums

Entries: 1728

Mean: 14.1614 +/- 0.0060

Std Dev: 0.2489 +/- 0.0042

Entries: 226

Mean: 23.1614 +/- 0.0254

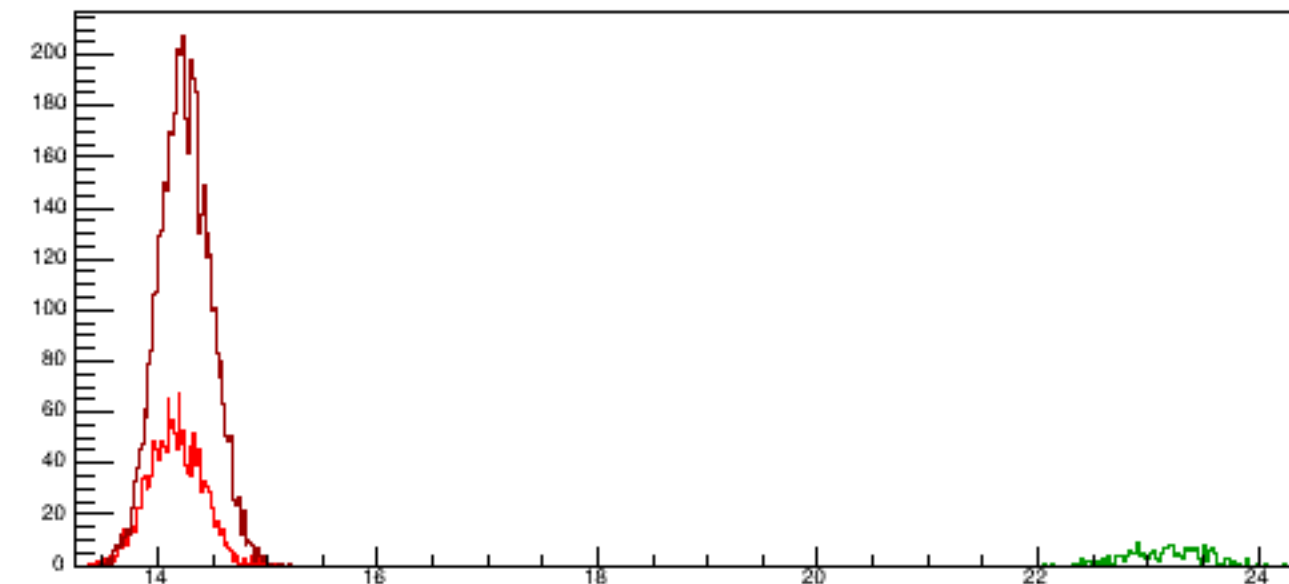
Std Dev: 0.3824 +/- 0.0180

Entries: 5697

Mean: 14.2458 +/- 0.0031

Std Dev: 0.2354 +/- 0.0022

Run 4610 quartetwise, Sums



## Cycle 5, Asyms

Entries: 1728

Mean: -0.0008 +/- 0.0005

Std Dev: 0.0209 +/- 0.0004

Entries: 226

Mean: 0.0164 +/- 0.0022

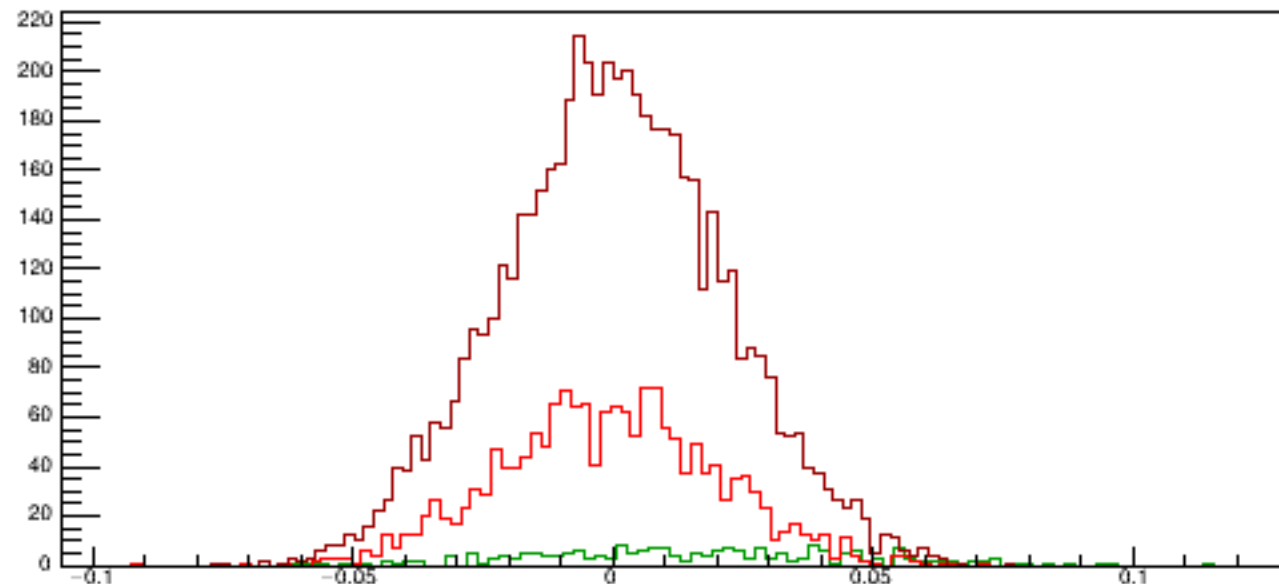
Std Dev: 0.0327 +/- 0.0015

Entries: 5697

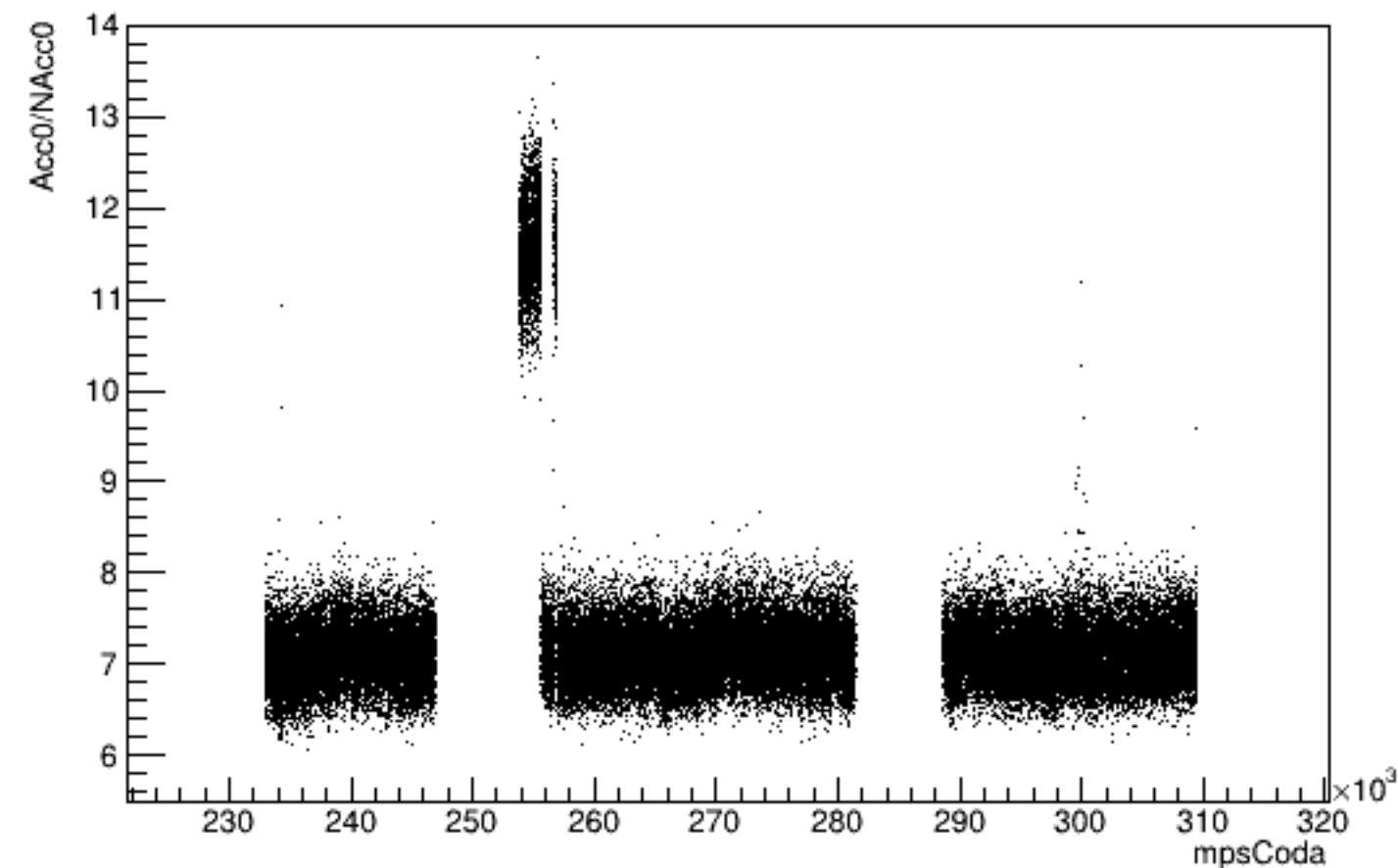
Mean: 0.0002 +/- 0.0003

Std Dev: 0.0213 +/- 0.0002

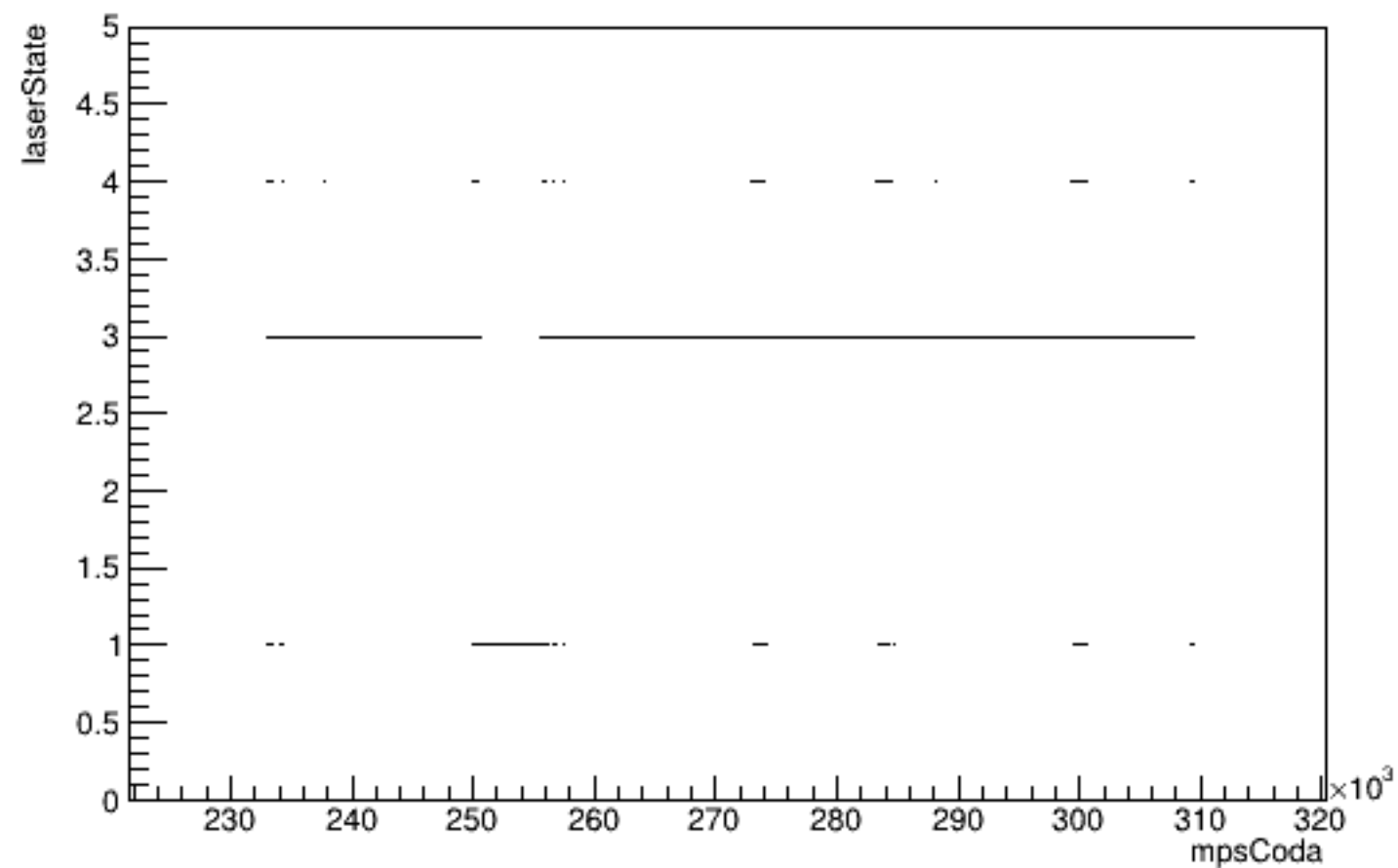
Run 4610 quartetwise, Asyms



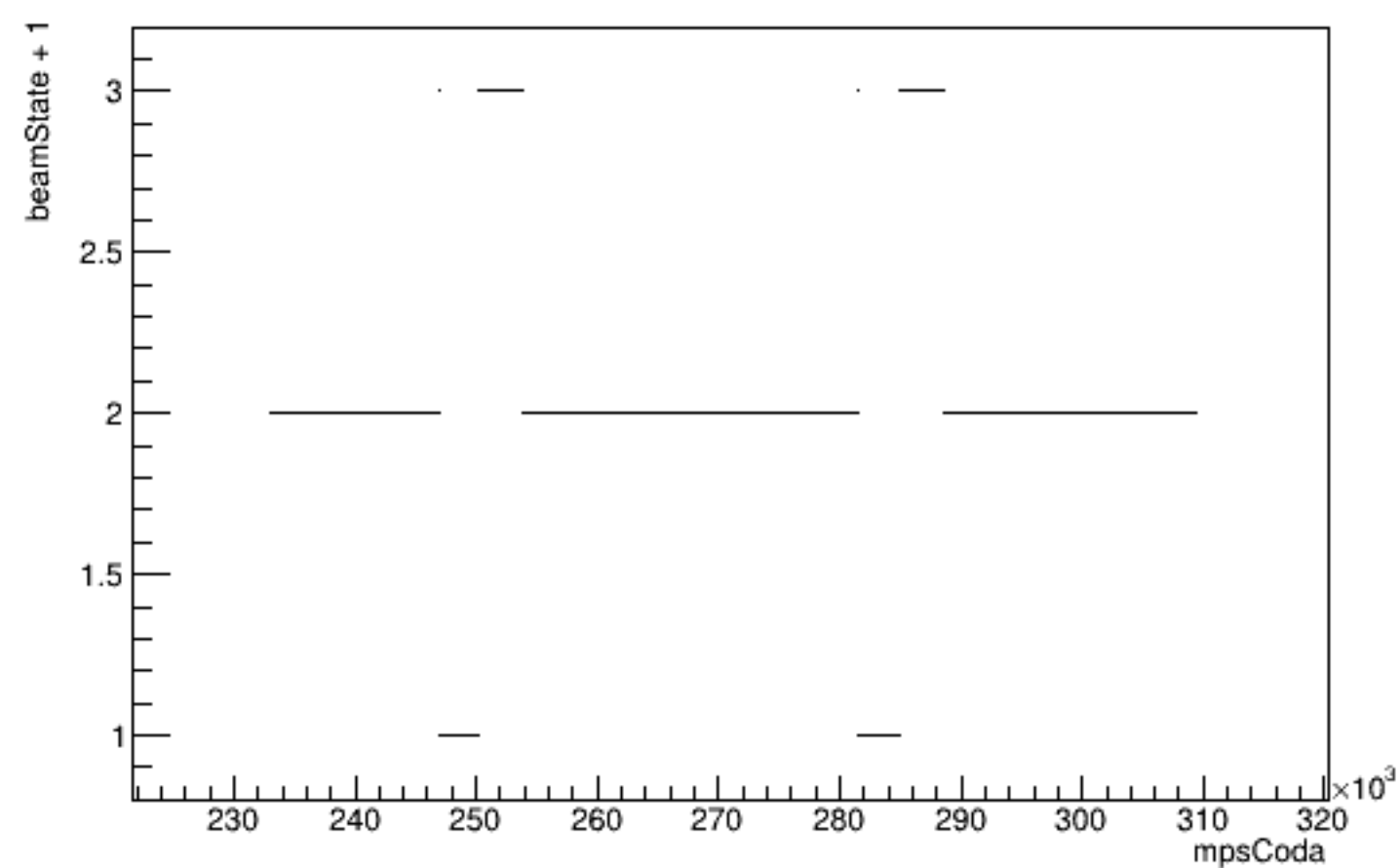
Acc0/NAcc0:mpsCoda {mpsCoda>=232934 && mpsCoda<=309445 && beamState==1}



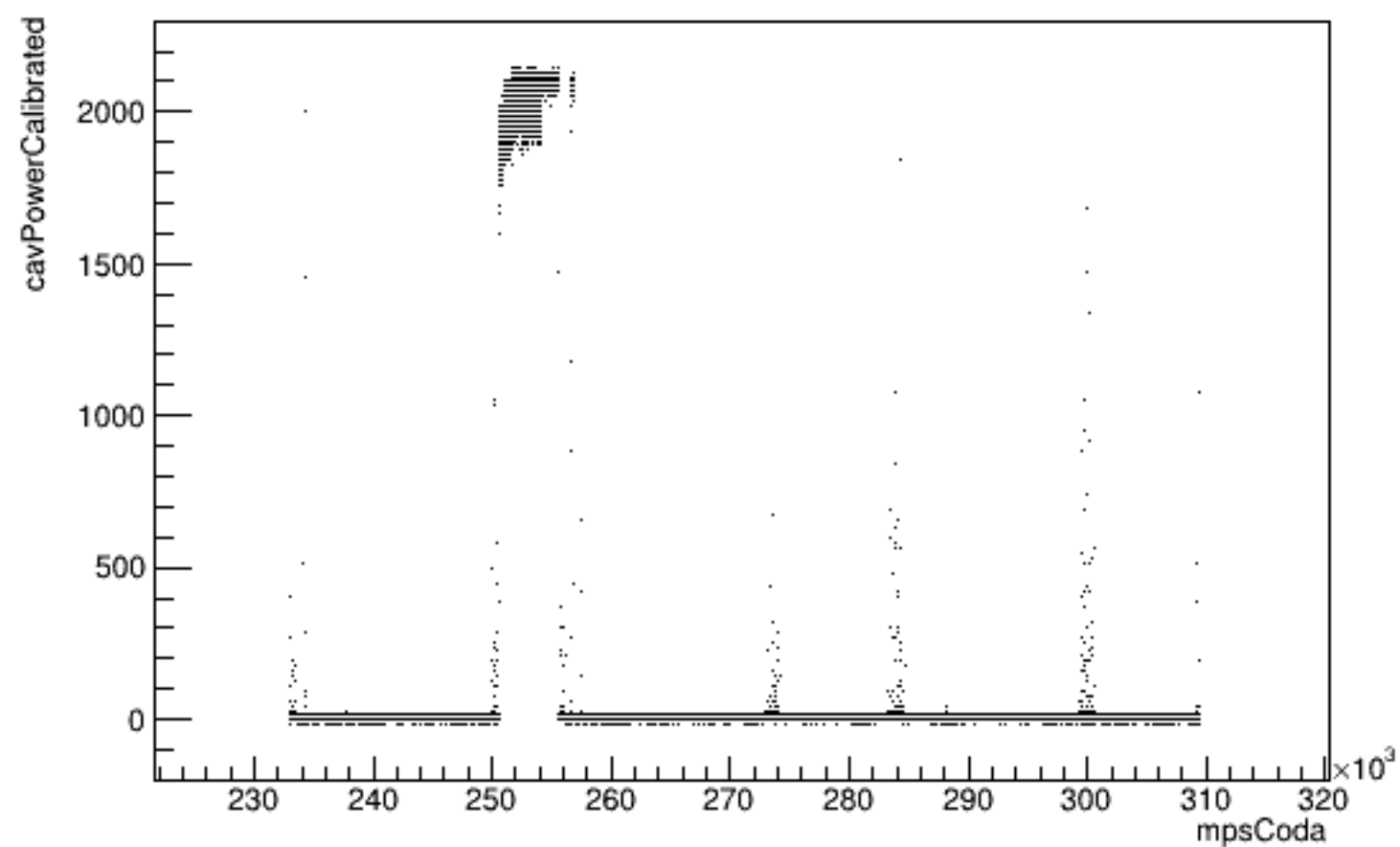
laserState:mpsCoda {mpsCoda&gt;=232934 &amp;&amp; mpsCoda&lt;=309445}



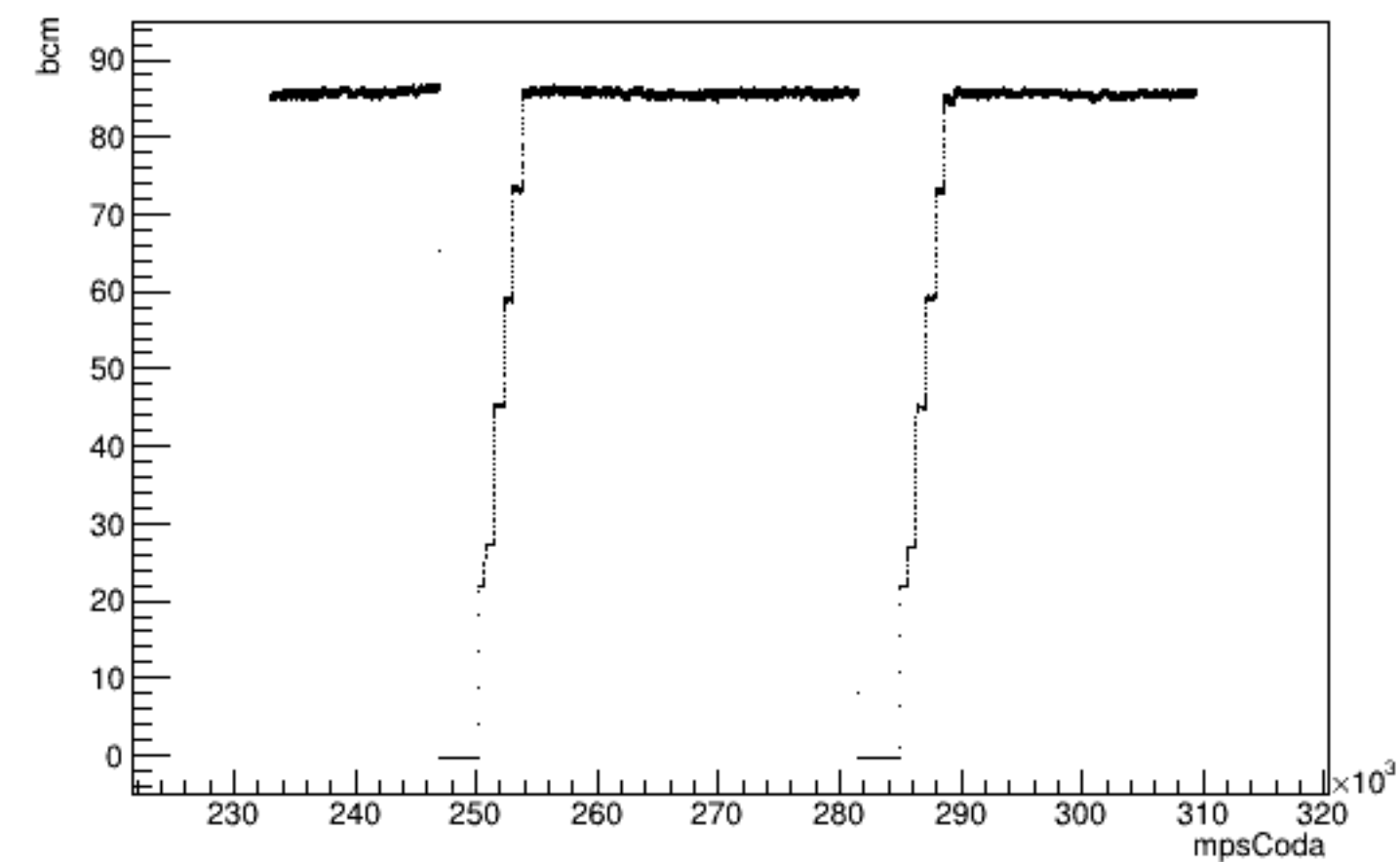
beamState + 1:mpsCoda {mpsCoda&gt;=232934 &amp;&amp; mpsCoda&lt;=309445}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=232934 &amp;&amp; mpsCoda&lt;=309445}



bcm:mpsCoda {mpsCoda&gt;=232934 &amp;&amp; mpsCoda&lt;=309445}



## Cycle 6, Diffs

Entries: 5697

Mean: 0.0016 +/- 0.0025

Std Dev: 0.1908 +/- 0.0018

Entries: 3730

Mean: 0.1378 +/- 0.0046

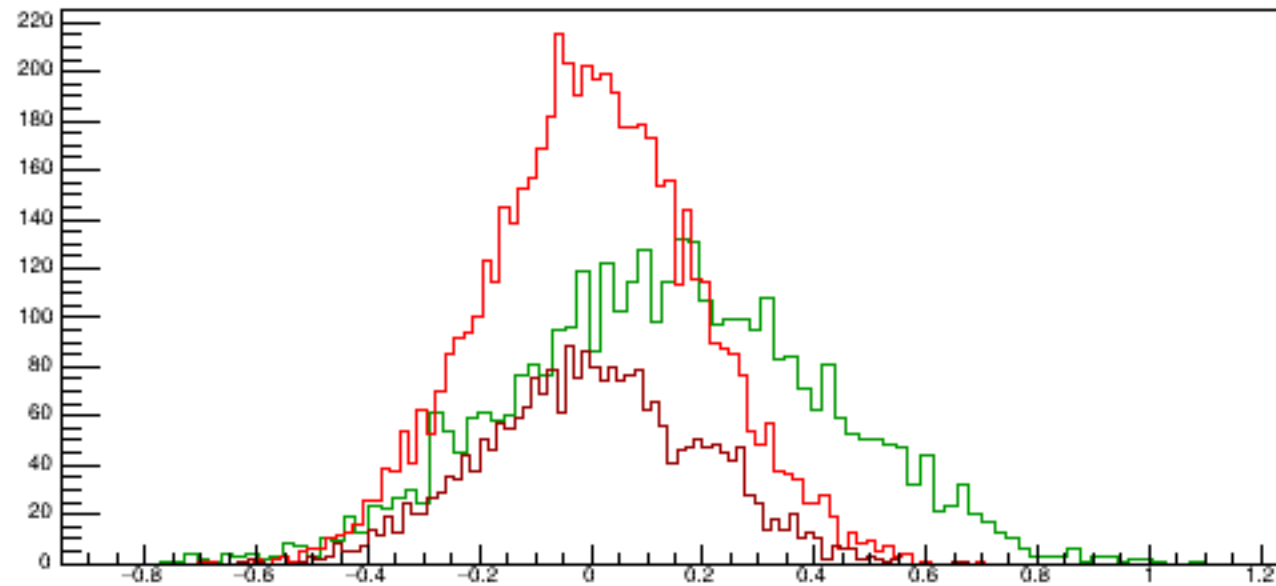
Std Dev: 0.2811 +/- 0.0033

Entries: 2477

Mean: 0.0021 +/- 0.0039

Std Dev: 0.1924 +/- 0.0027

Run 4610 quartetwise, Diffs



## Cycle 6, Sums

Entries: 5697

Mean: 14.2458 +/- 0.0031

Std Dev: 0.2354 +/- 0.0022

Entries: 3730

Mean: 22.9877 +/- 0.0075

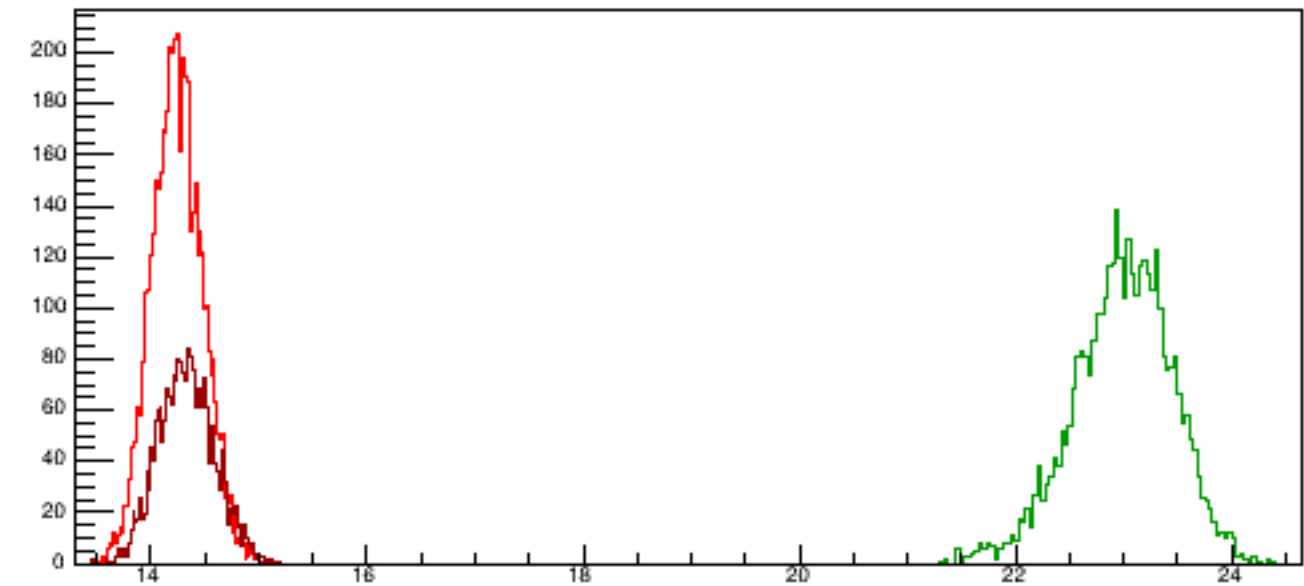
Std Dev: 0.4588 +/- 0.0053

Entries: 2477

Mean: 14.3272 +/- 0.0052

Std Dev: 0.2599 +/- 0.0037

Run 4610 quartetwise, Sums



## Cycle 6, Asyms

Entries: 5697

Mean: 0.0002 +/- 0.0003

Std Dev: 0.0219 +/- 0.0002

Entries: 3730

Mean: 0.0159 +/- 0.0005

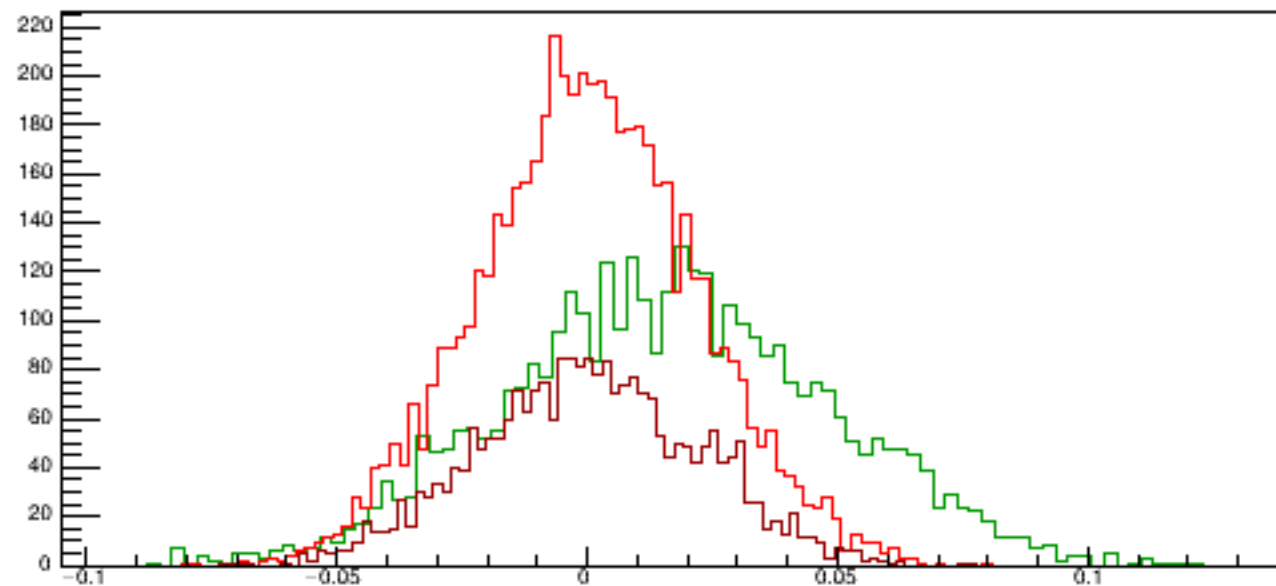
Std Dev: 0.0324 +/- 0.0004

Entries: 2477

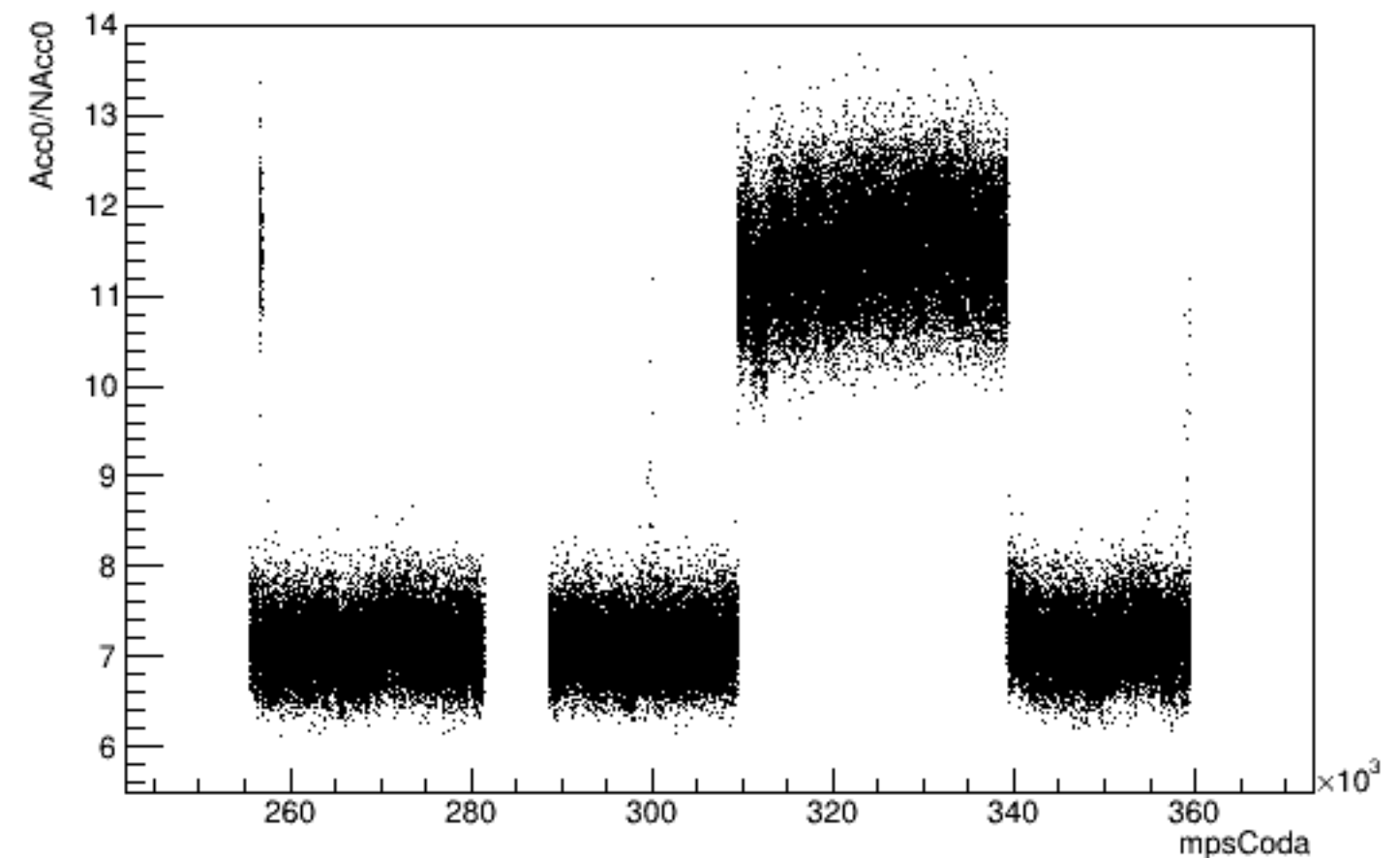
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0221 +/- 0.0003

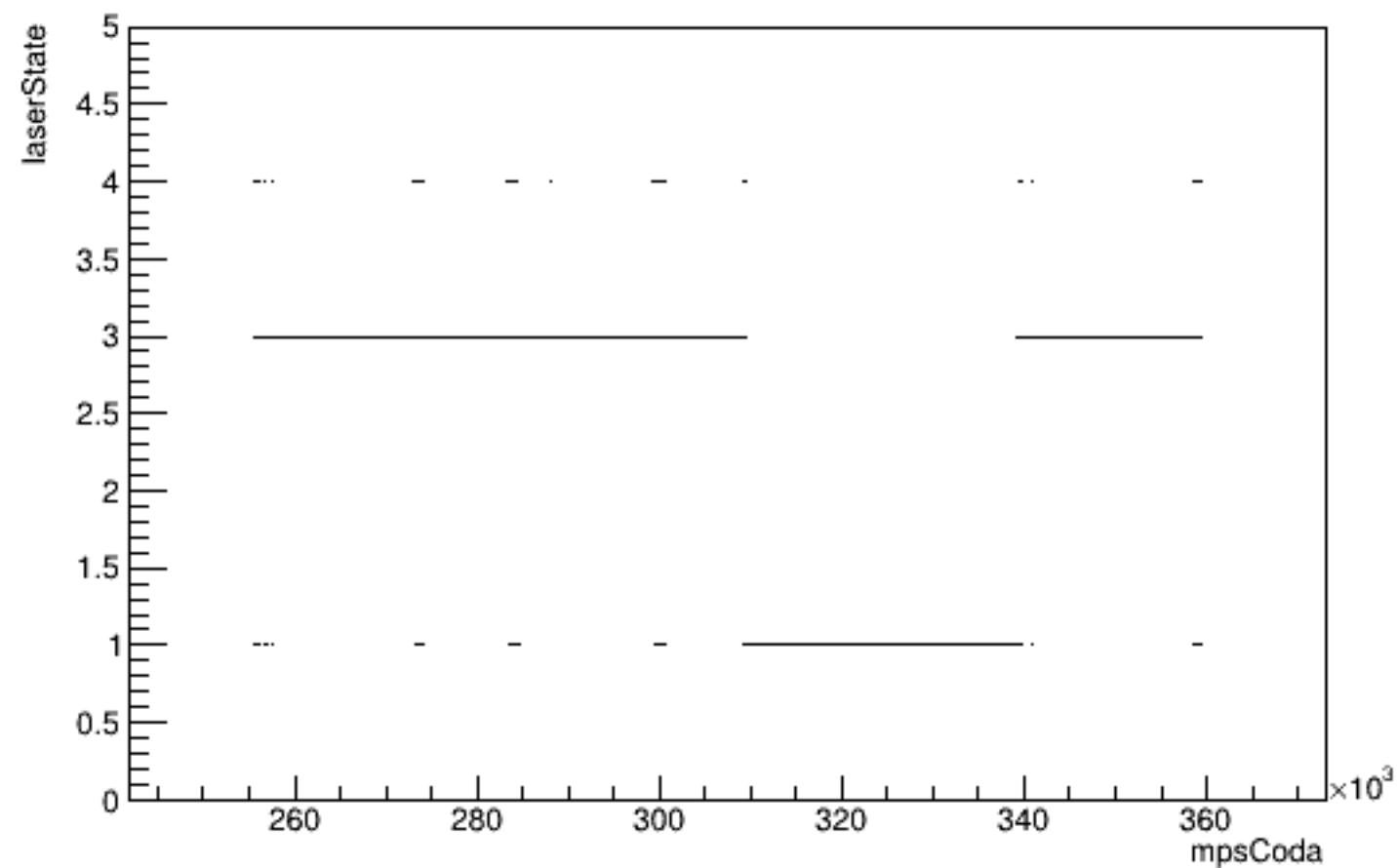
Run 4610 quartetwise, Asyms



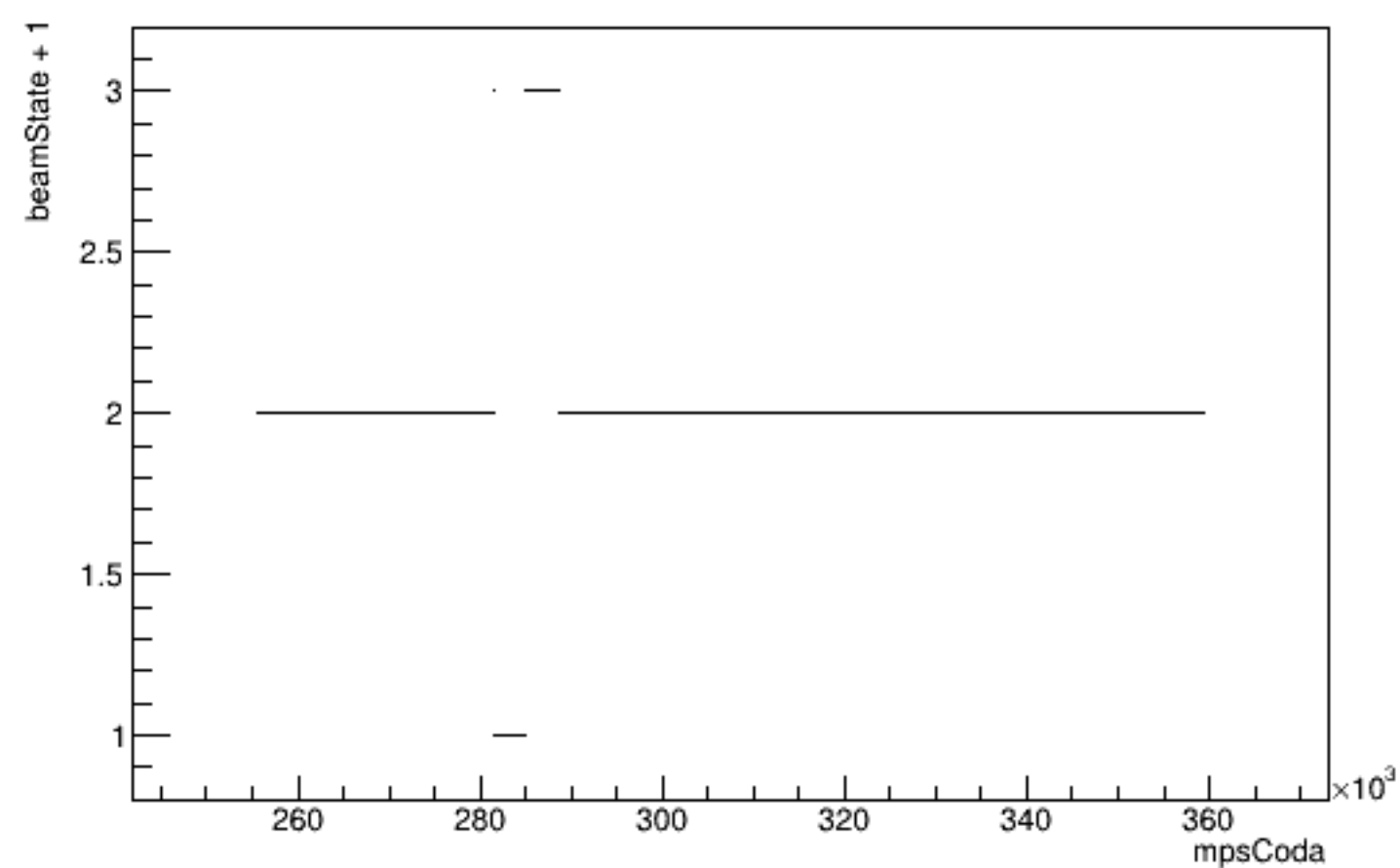
Acc0/NAcc0:mpsCoda {mpsCoda>=255630 && mpsCoda<=359469 && beamState==1}



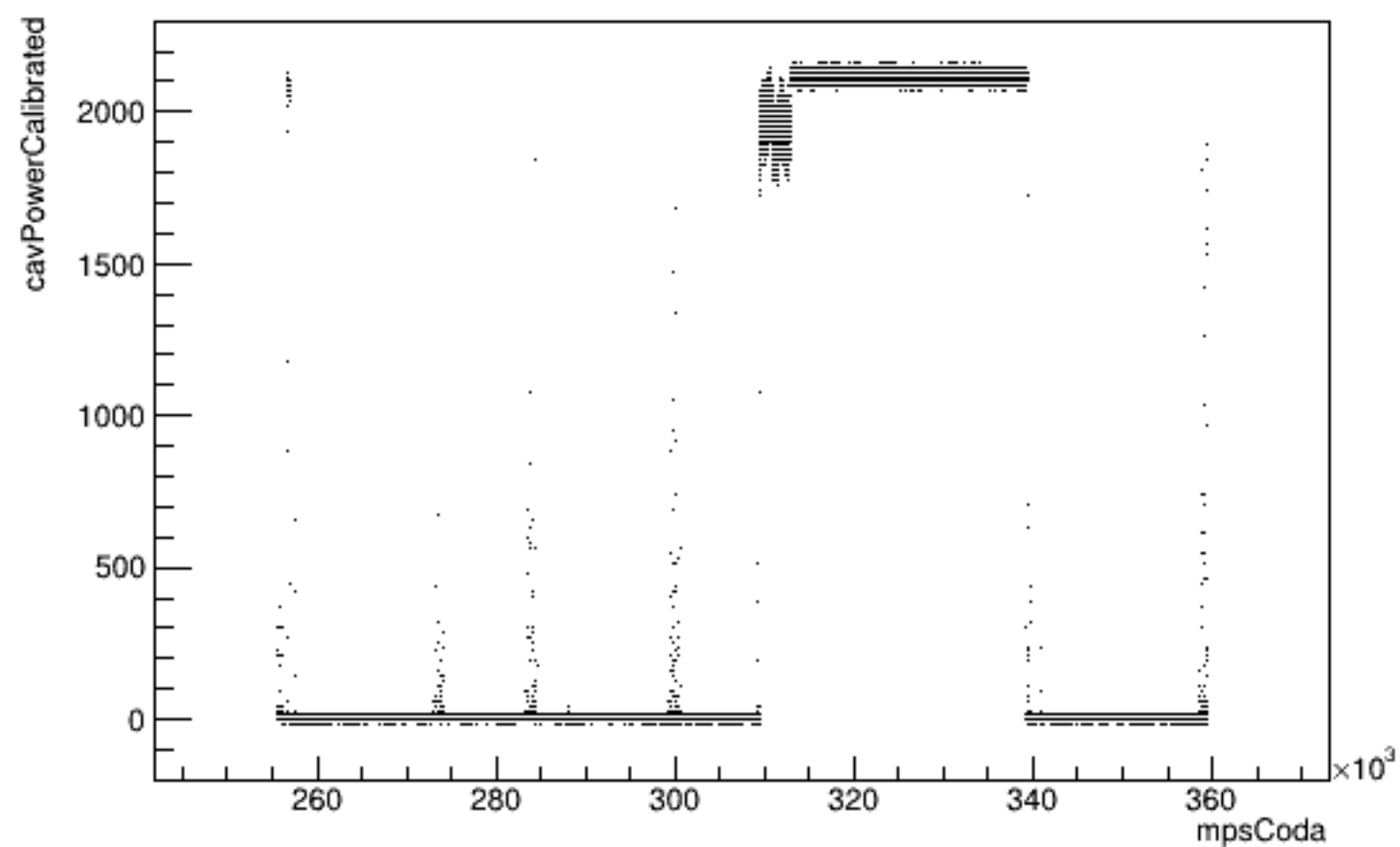
laserState:mpsCoda {mpsCoda&gt;=255630 &amp;&amp; mpsCoda&lt;=359469}



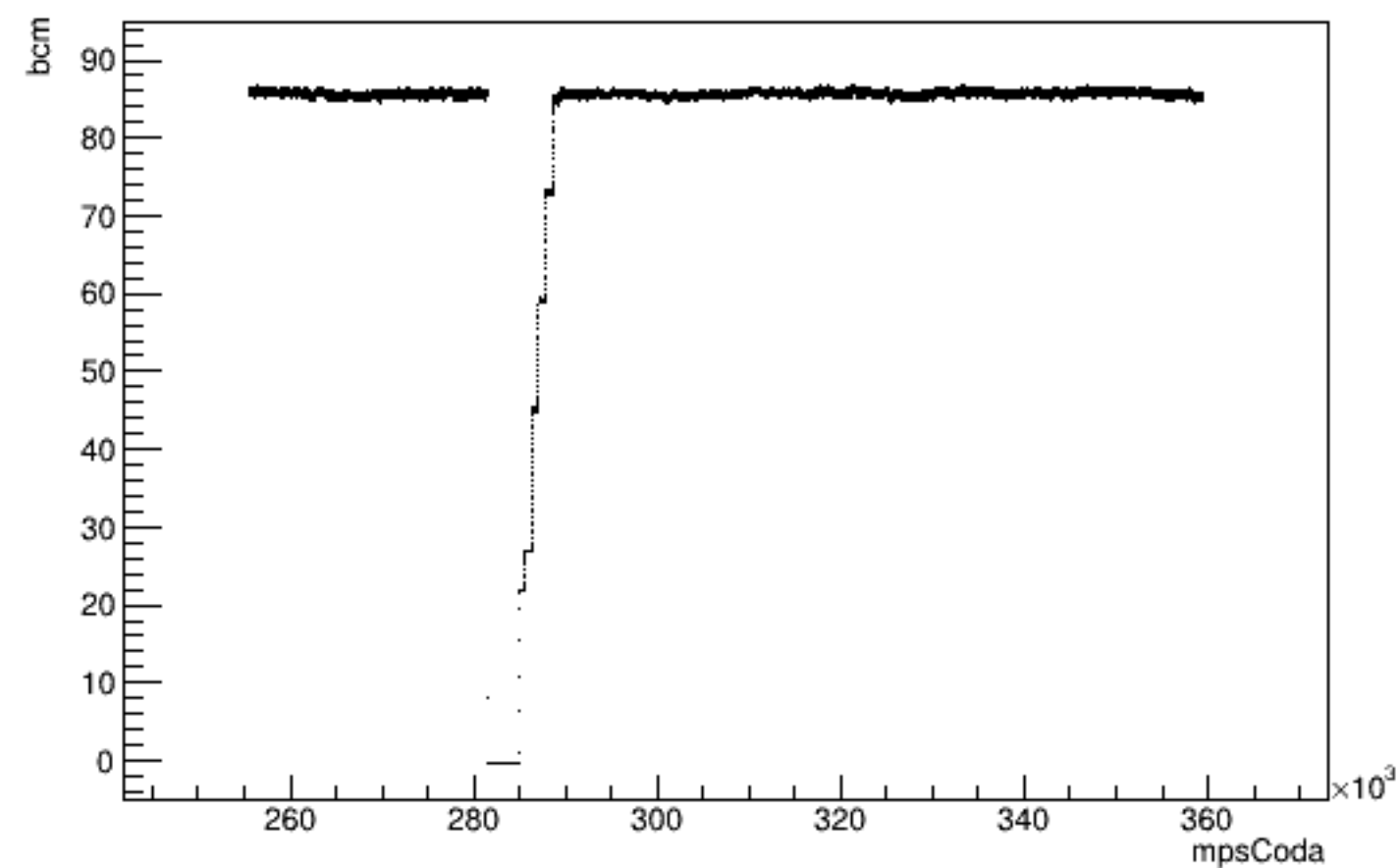
beamState + 1:mpsCoda {mpsCoda&gt;=255630 &amp;&amp; mpsCoda&lt;=359469}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=255630 &amp;&amp; mpsCoda&lt;=359469}



bcm:mpsCoda {mpsCoda&gt;=255630 &amp;&amp; mpsCoda&lt;=359469}



## Cycle 7, Diffs

Entries: 2477

Mean: 0.0021 +/- 0.0039

Std Dev: 0.1924 +/- 0.0027

Entries: 4616

Mean: 0.1205 +/- 0.0040

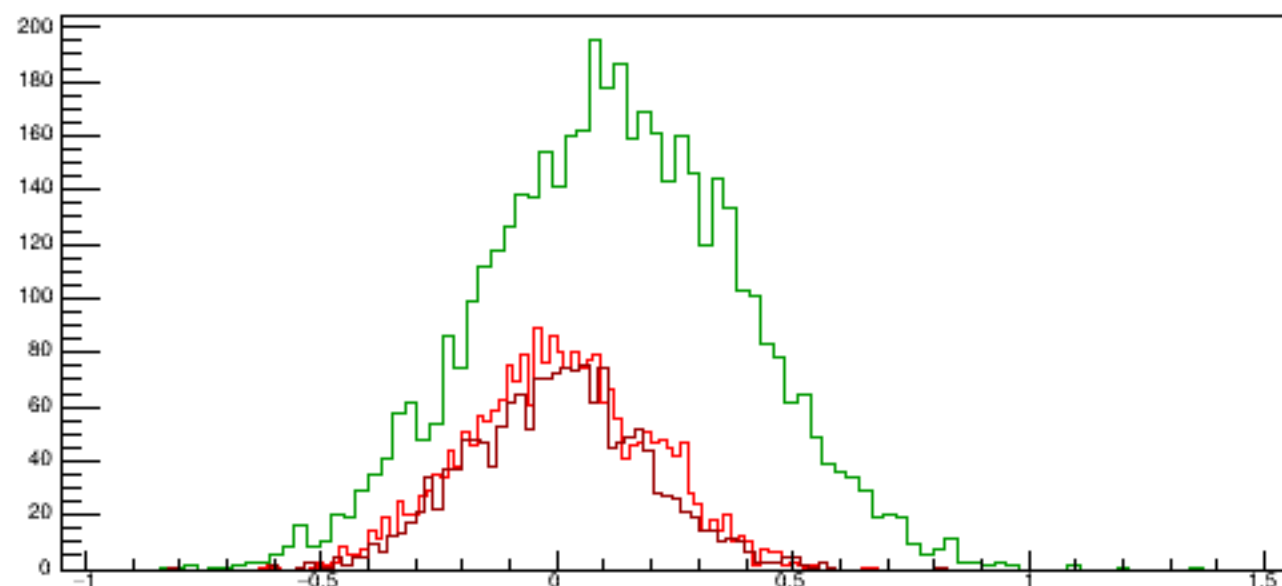
Std Dev: 0.2749 +/- 0.0029

Entries: 1661

Mean: 0.0003 +/- 0.0046

Std Dev: 0.1868 +/- 0.0032

Run 4610 quartetwise, Diffs



## Cycle 7, Sums

Entries: 2477

Mean: 14.3272 +/- 0.0052

Std Dev: 0.2599 +/- 0.0037

Entries: 4616

Mean: 23.0003 +/- 0.0067

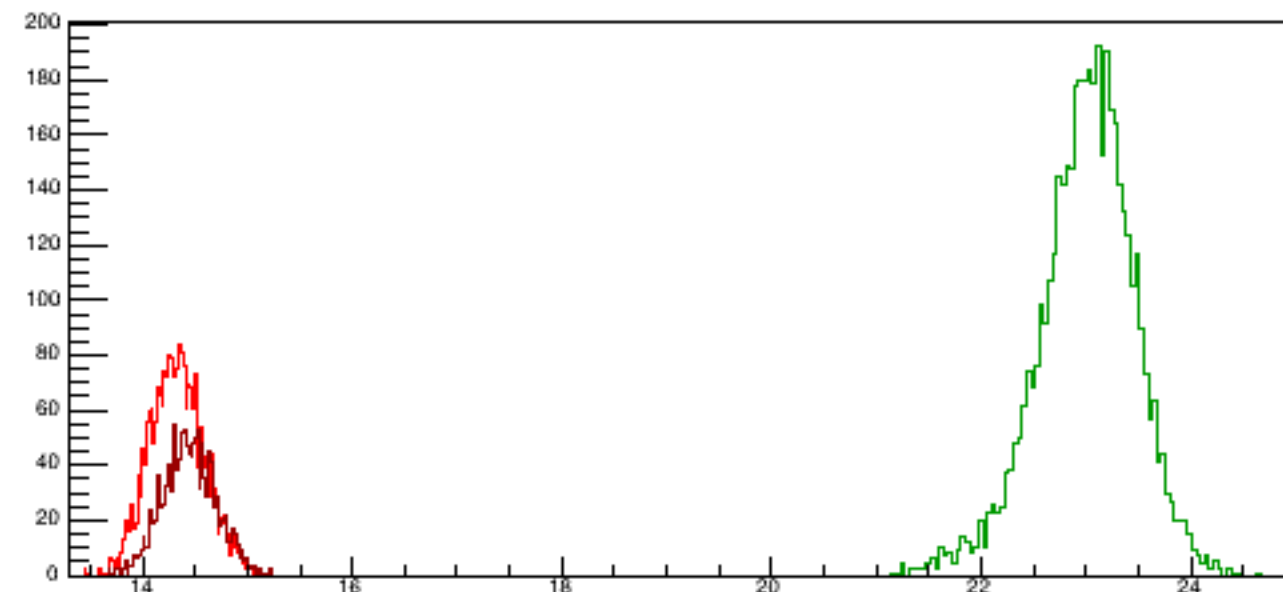
Std Dev: 0.4563 +/- 0.0047

Entries: 1661

Mean: 14.4424 +/- 0.0062

Std Dev: 0.2525 +/- 0.0044

Run 4610 quartetwise, Sums



## Cycle 7, Asyms

Entries: 2477

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0223 +/- 0.0003

Entries: 4616

Mean: 0.0140 +/- 0.0005

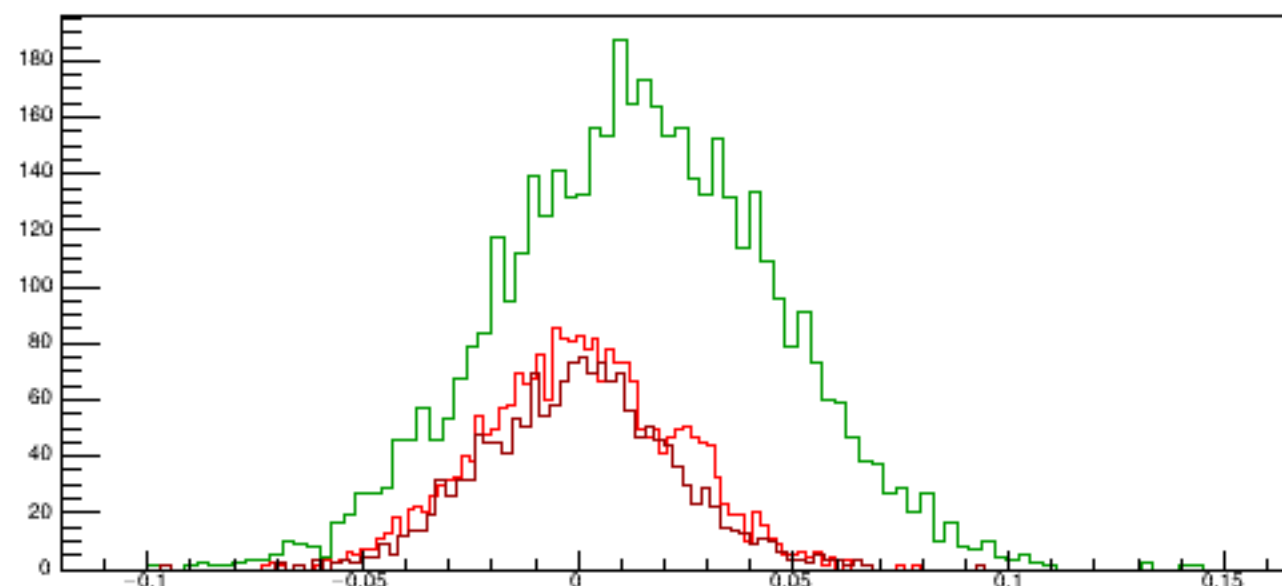
Std Dev: 0.0320 +/- 0.0003

Entries: 1661

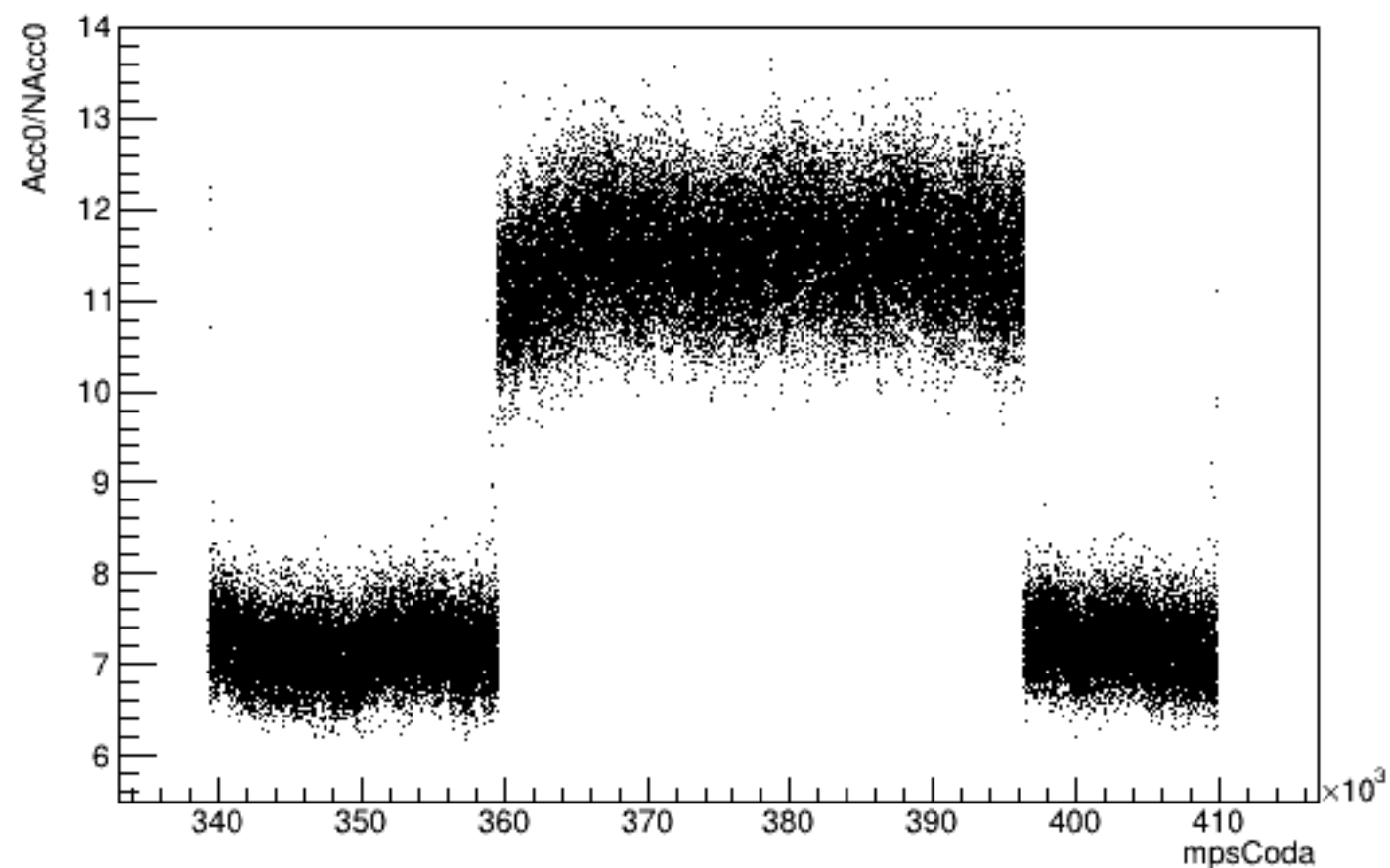
Mean: 0.0000 +/- 0.0005

Std Dev: 0.0217 +/- 0.0004

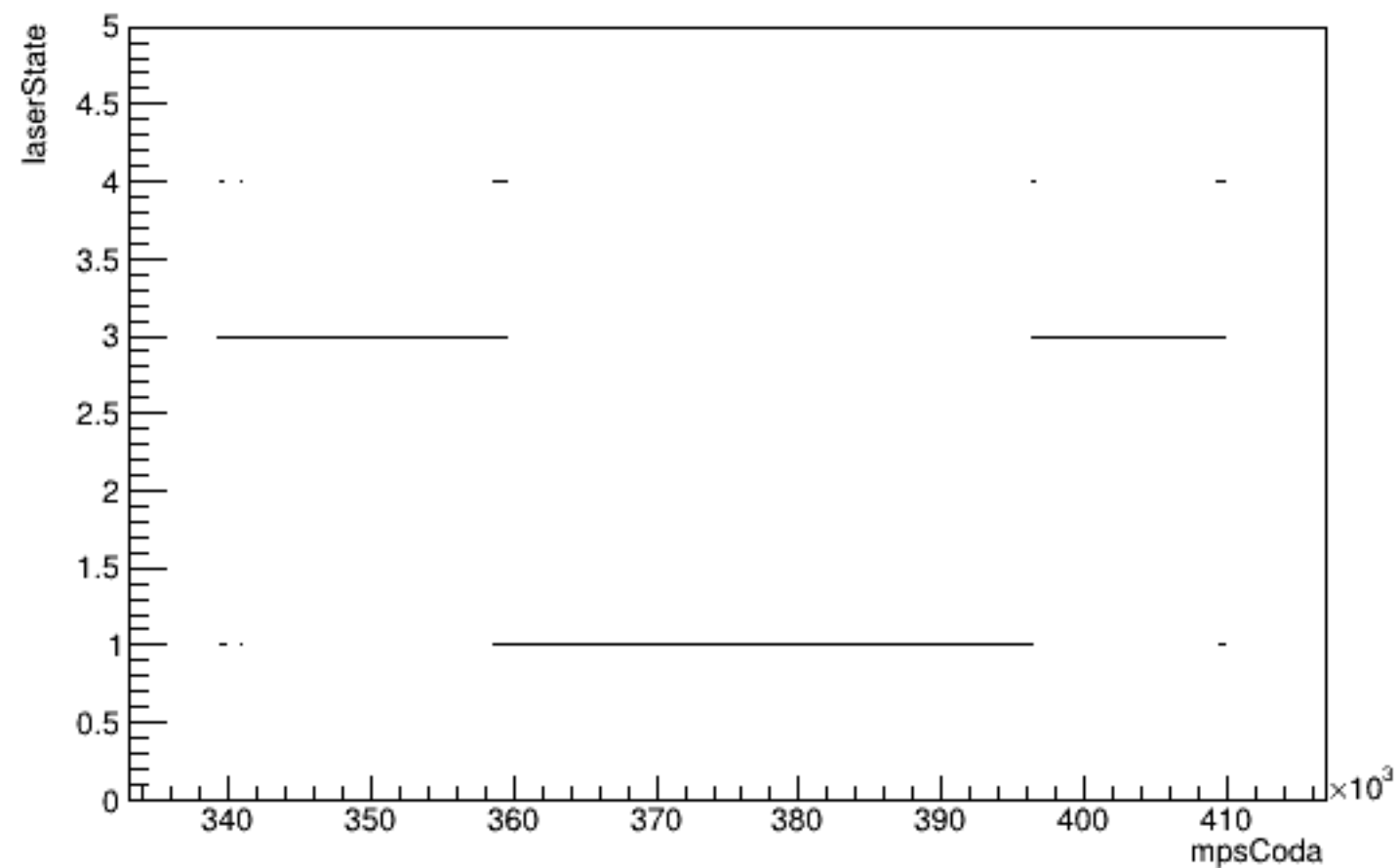
Run 4610 quartetwise, Asyms



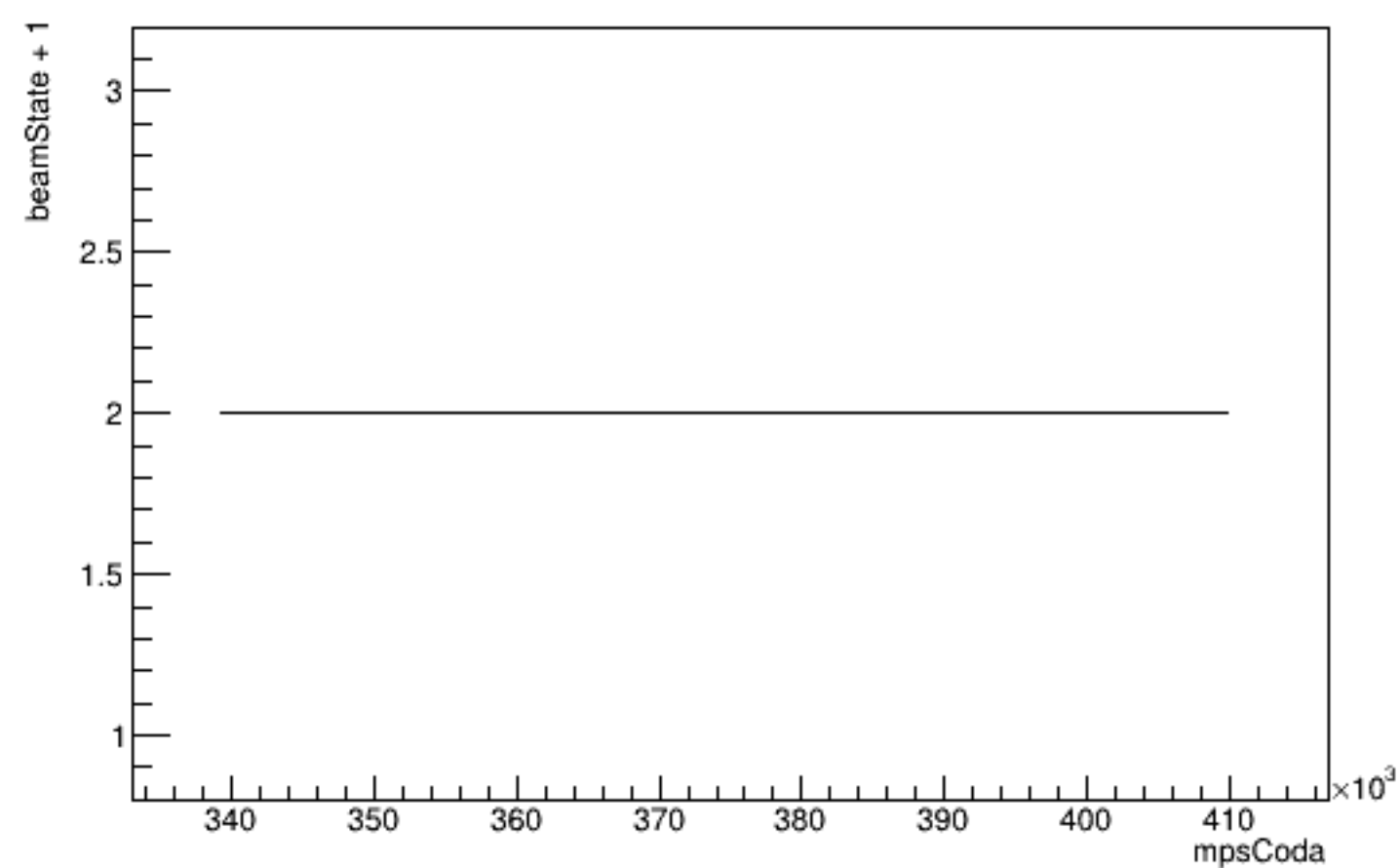
Acc0/NAcc0:mpsCoda {mpsCoda>=339294 && mpsCoda<=409845 && beamState==1}



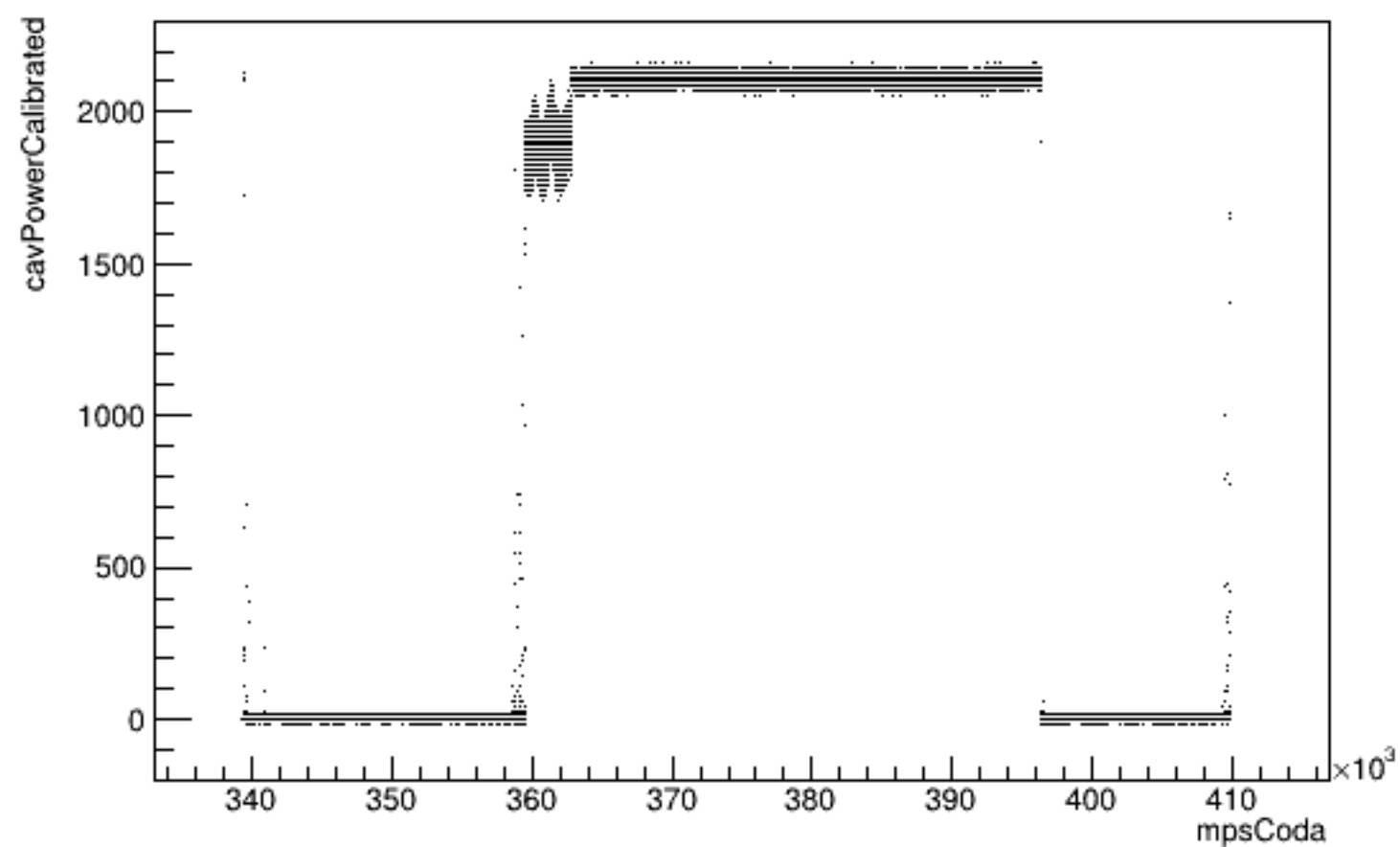
laserState:mpsCoda {mpsCoda&gt;=339294 &amp;&amp; mpsCoda&lt;=409845}



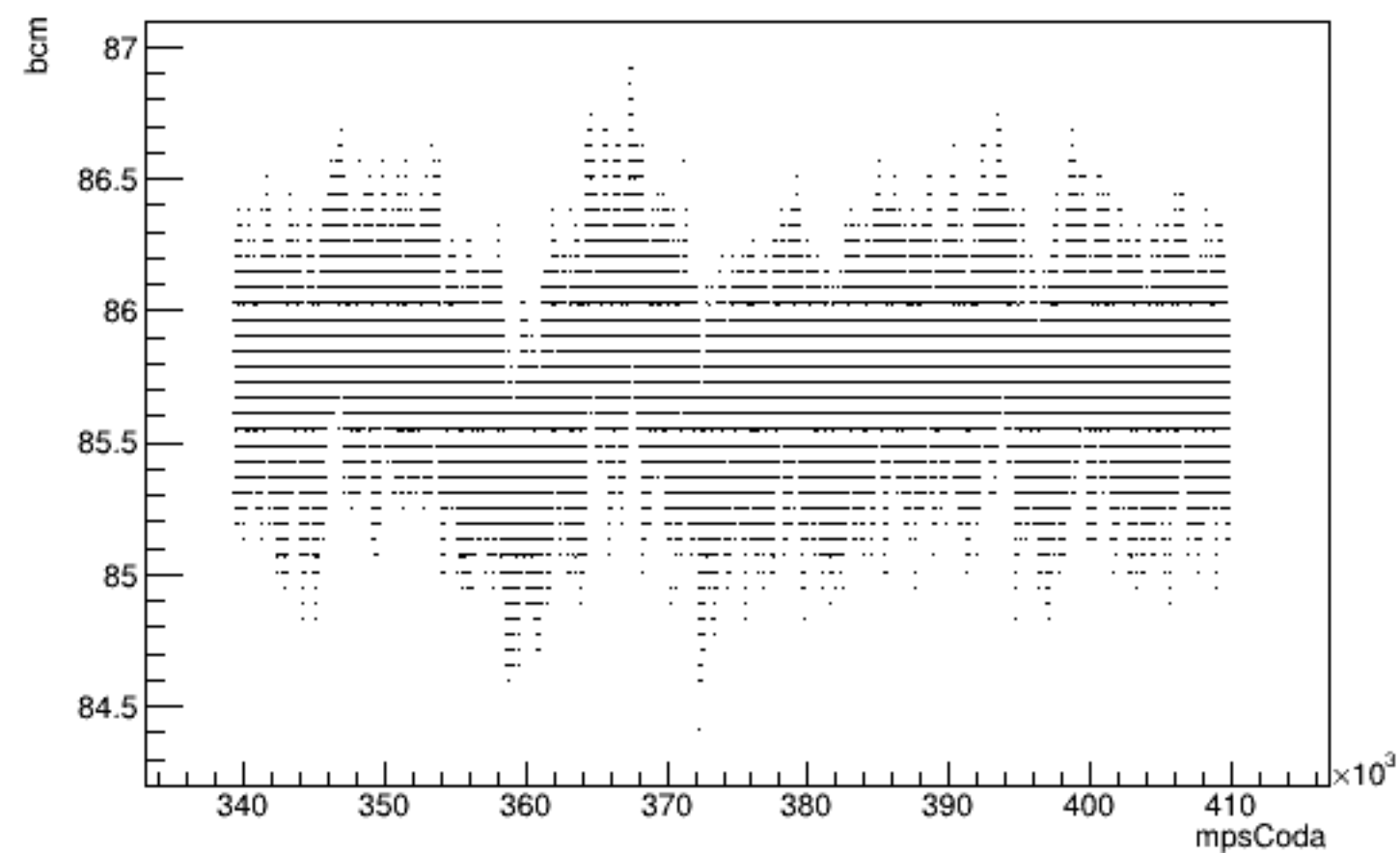
beamState + 1:mpsCoda {mpsCoda&gt;=339294 &amp;&amp; mpsCoda&lt;=409845}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=339294 &amp;&amp; mpsCoda&lt;=409845}



bcm:mpsCoda {mpsCoda&gt;=339294 &amp;&amp; mpsCoda&lt;=409845}



## Cycle 8, Diffs

Entries: 1661

Mean: 0.0003 +/- 0.0046

Std Dev: 0.1868 +/- 0.0032

Entries: 2895

Mean: 0.1245 +/- 0.0052

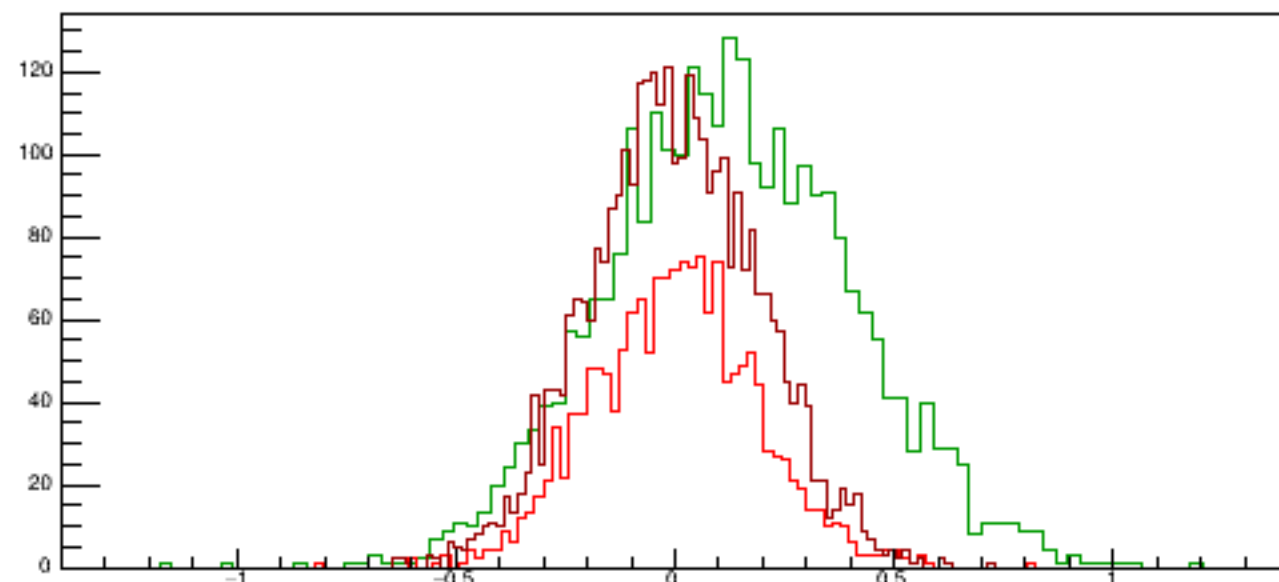
Std Dev: 0.2810 +/- 0.0037

Entries: 3407

Mean: -0.0027 +/- 0.0033

Std Dev: 0.1921 +/- 0.0023

Run 4610 quartetwise, Diffs



## Cycle 8, Sums

Entries: 1661

Mean: 14.4424 +/- 0.0062

Std Dev: 0.2525 +/- 0.0044

Entries: 2895

Mean: 22.9825 +/- 0.0079

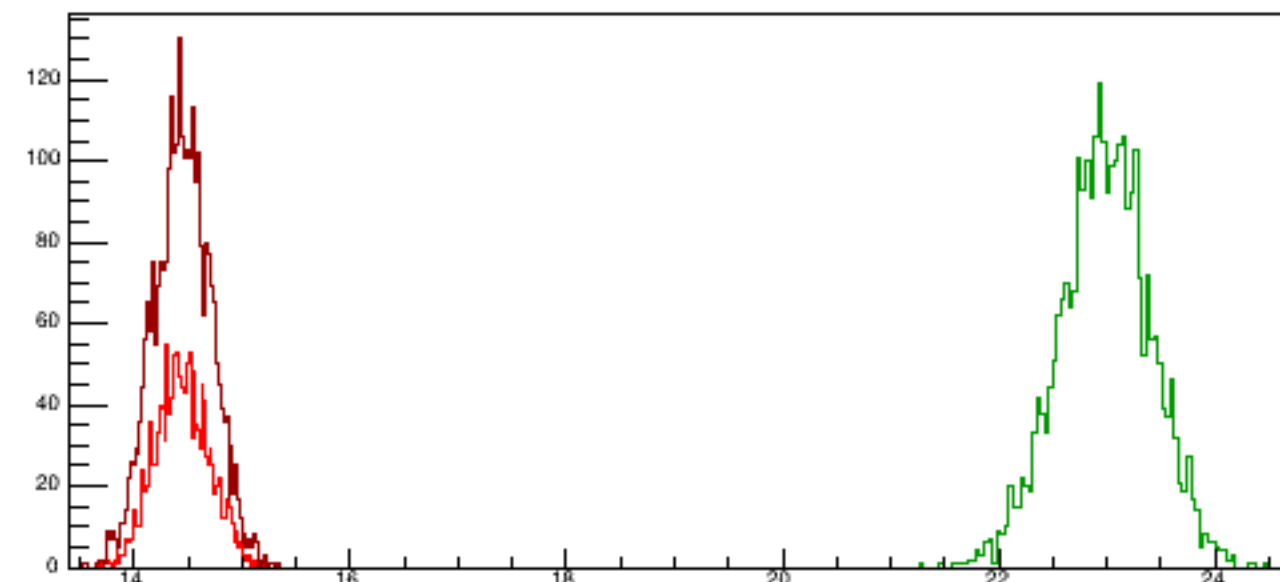
Std Dev: 0.4227 +/- 0.0056

Entries: 3407

Mean: 14.4479 +/- 0.0045

Std Dev: 0.2630 +/- 0.0032

Run 4610 quartetwise, Sums



## Cycle 8, Asyms

Entries: 1661

Mean: 0.0000 +/- 0.0005

Std Dev: 0.0219 +/- 0.0004

Entries: 2895

Mean: 0.0145 +/- 0.0006

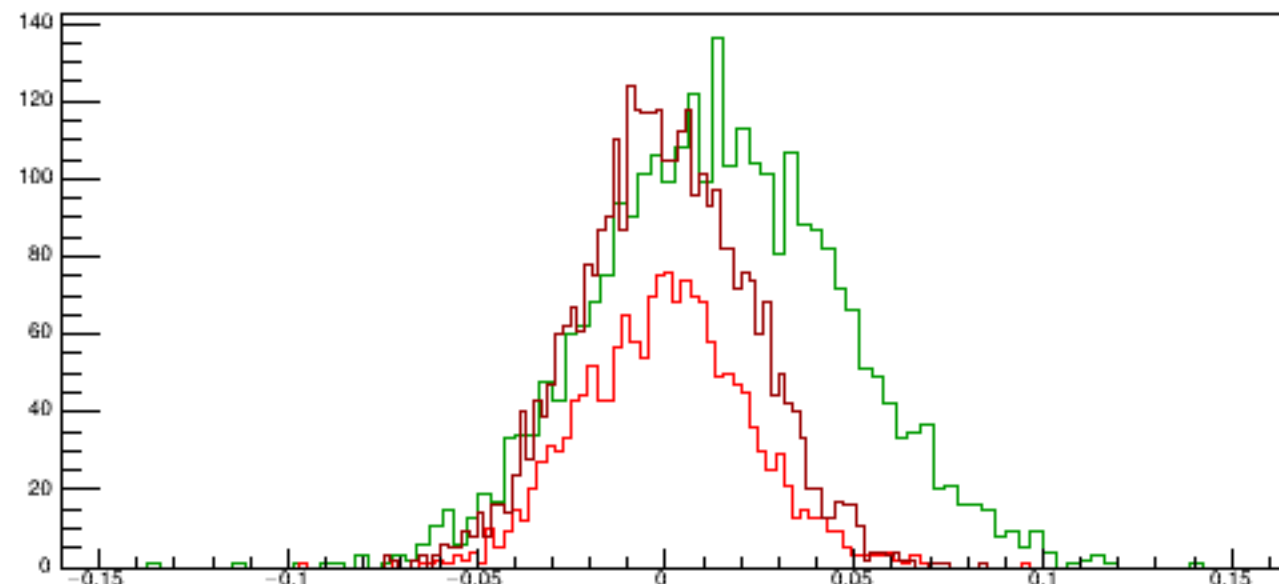
Std Dev: 0.0329 +/- 0.0004

Entries: 3407

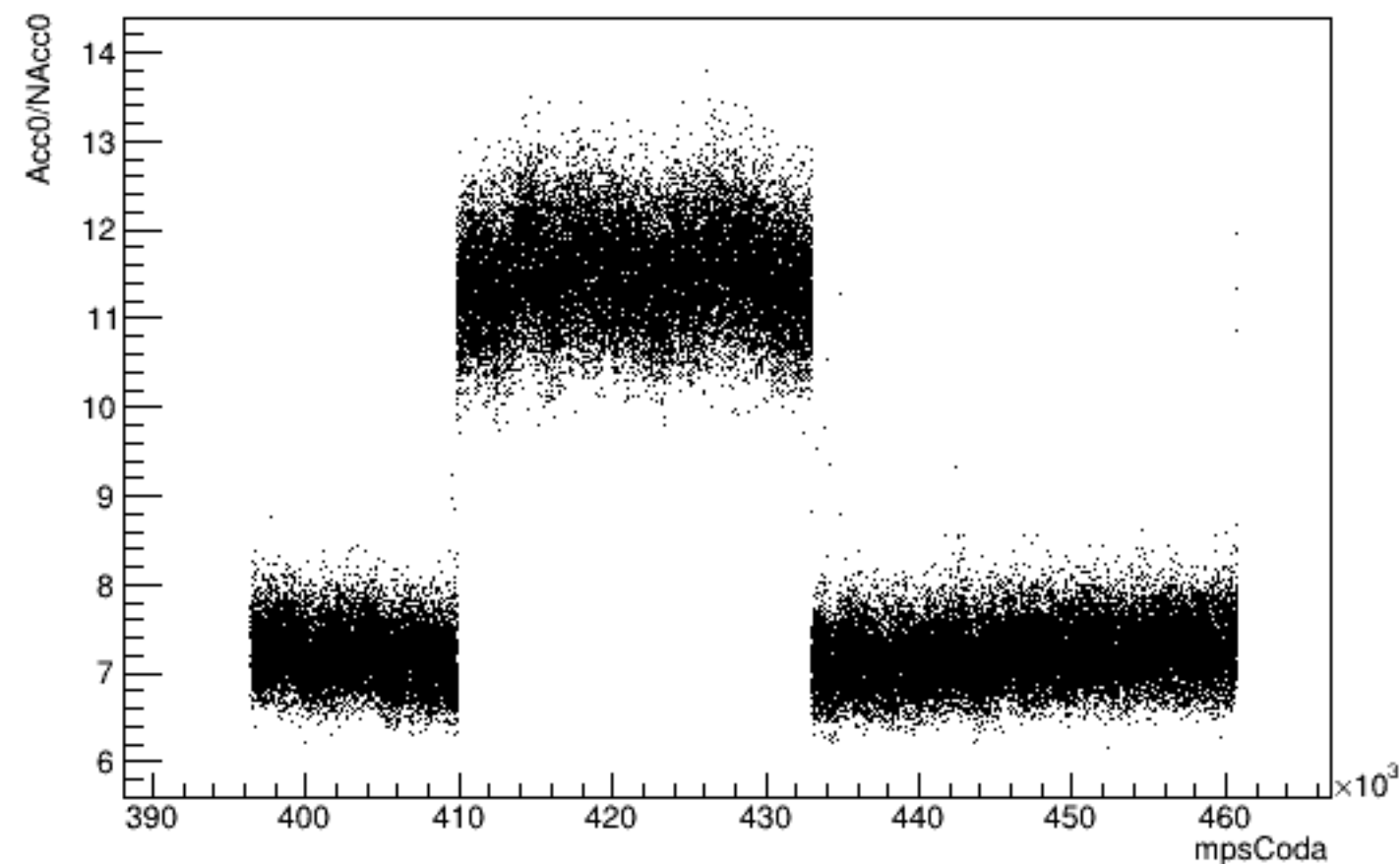
Mean: -0.0003 +/- 0.0004

Std Dev: 0.0225 +/- 0.0003

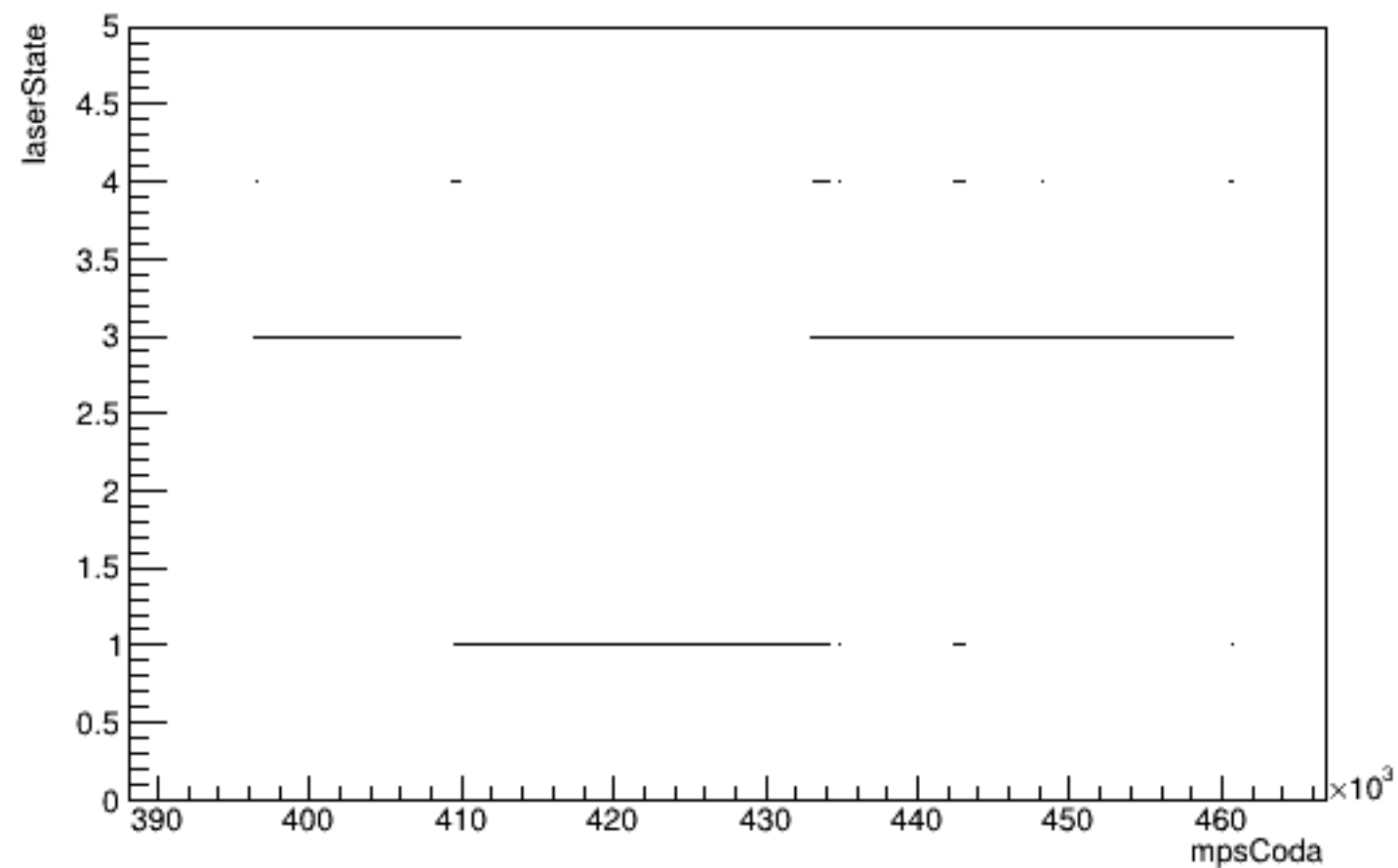
Run 4610 quartetwise, Asyms



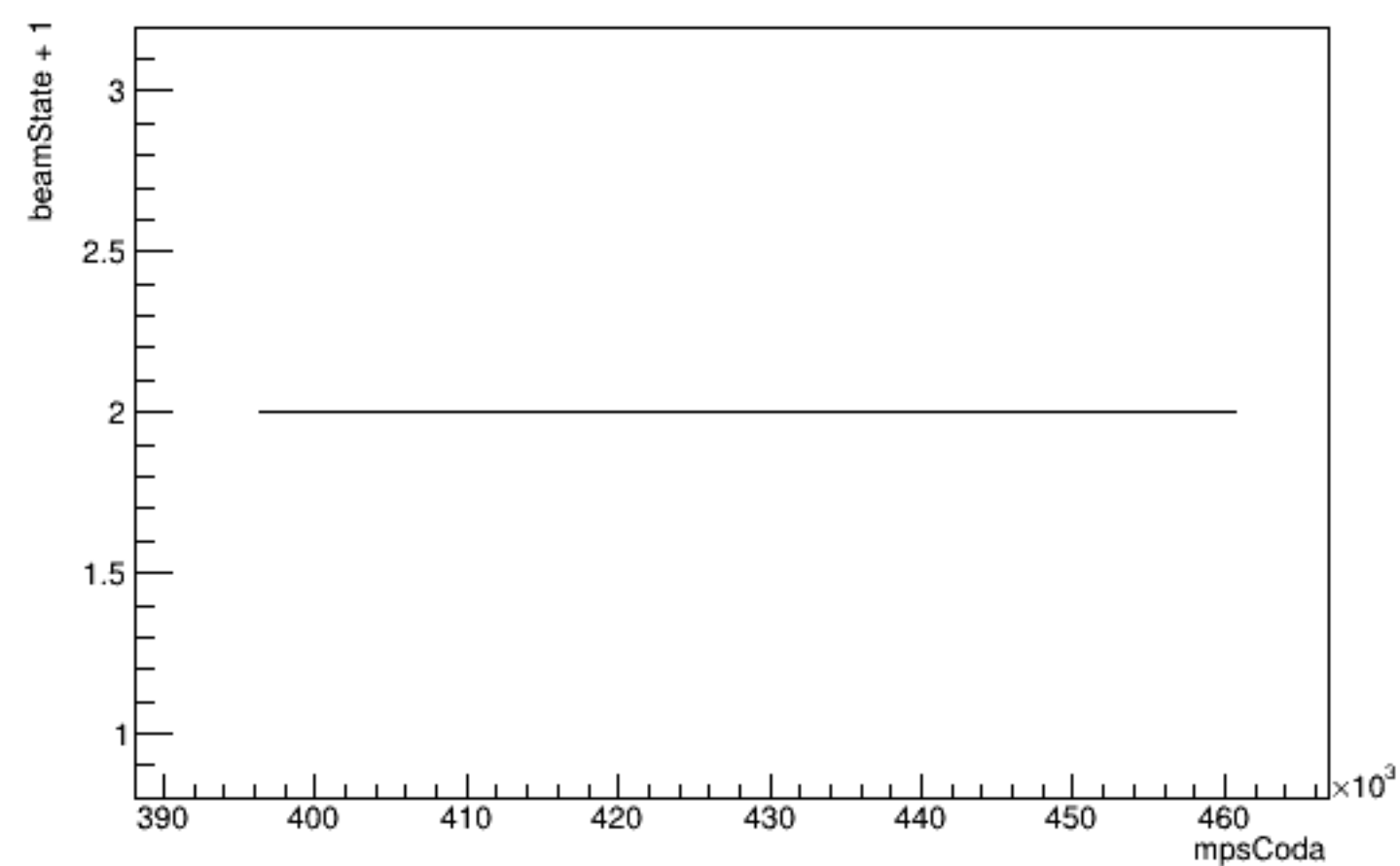
Acc0/NAcc0:mpsCoda {mpsCoda>=396414 && mpsCoda<=460773 && beamState==1}



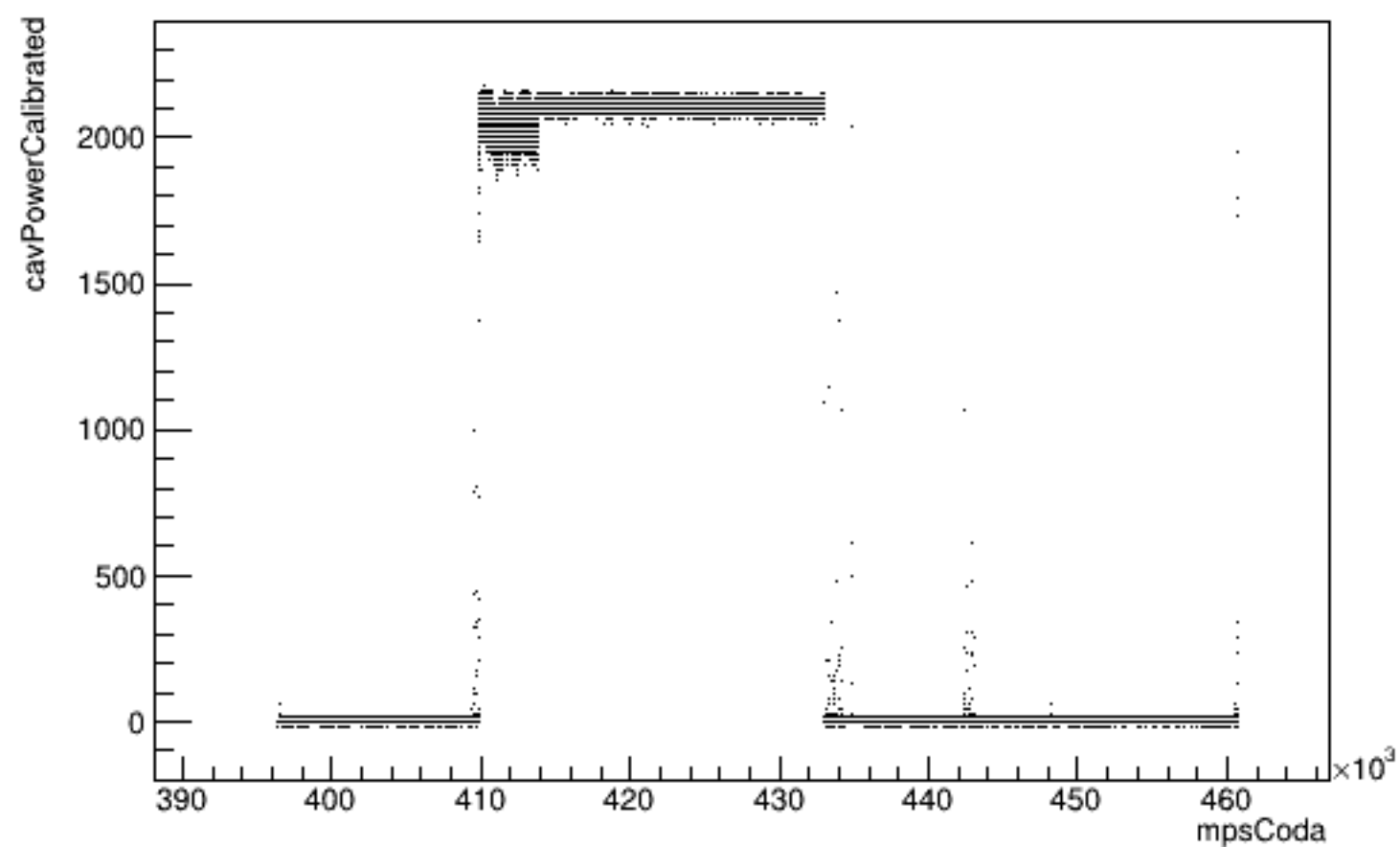
laserState:mpsCoda {mpsCoda&gt;=396414 &amp;&amp; mpsCoda&lt;=460773}



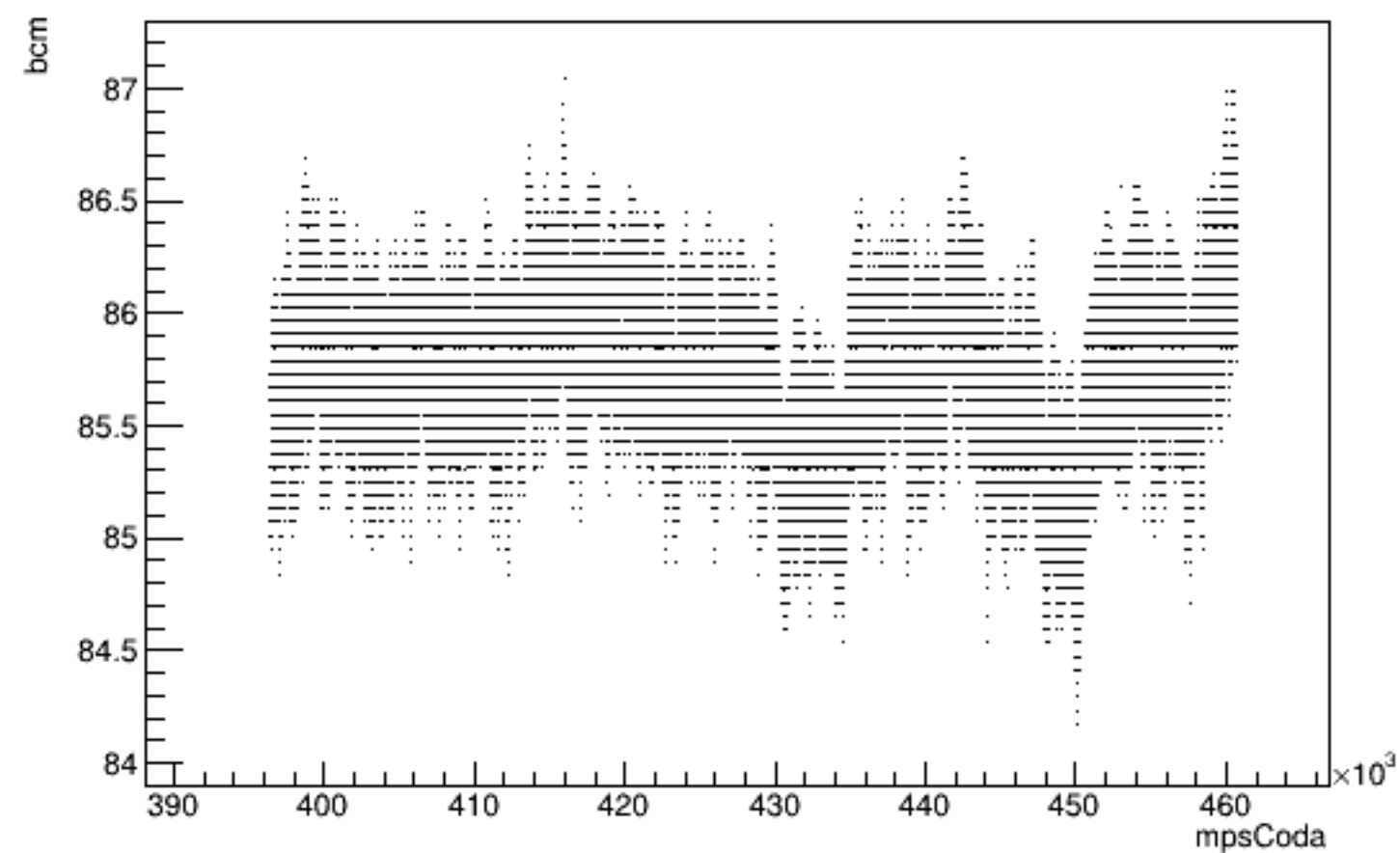
beamState + 1:mpsCoda {mpsCoda&gt;=396414 &amp;&amp; mpsCoda&lt;=460773}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=396414 &amp;&amp; mpsCoda&lt;=460773}



bcm:mpsCoda {mpsCoda&gt;=396414 &amp;&amp; mpsCoda&lt;=460773}



## Cycle 9, Diffs

Entries: 3407

Mean: -0.0027 +/- 0.0033

Std Dev: 0.1921 +/- 0.0023

Entries: 4569

Mean: 0.1334 +/- 0.0041

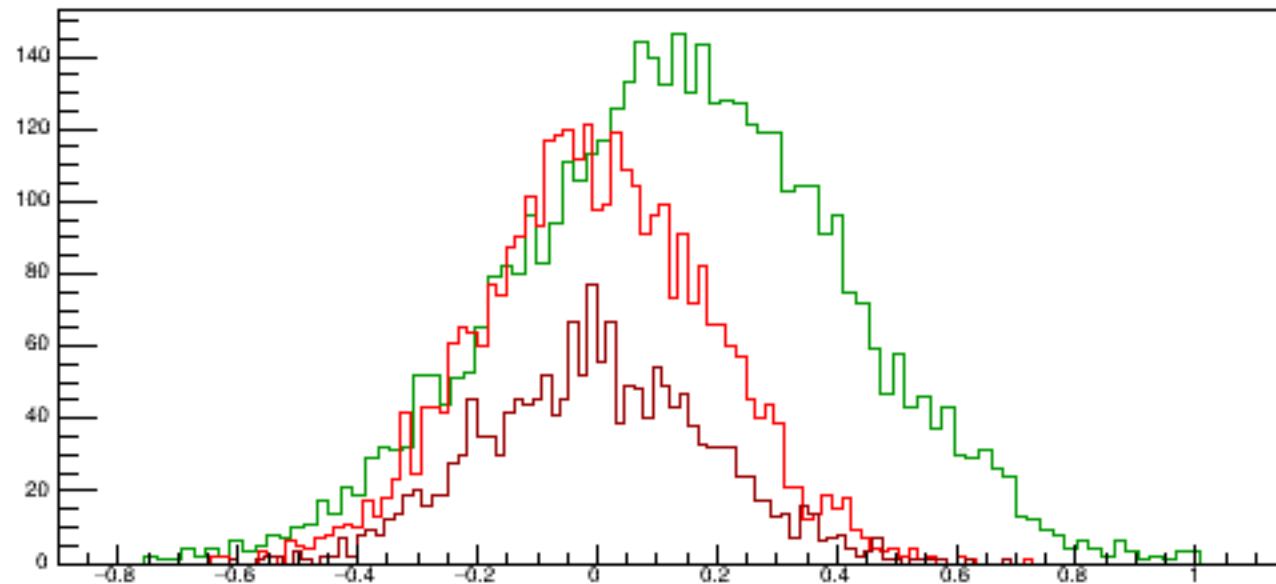
Std Dev: 0.2755 +/- 0.0029

Entries: 1730

Mean: -0.0015 +/- 0.0046

Std Dev: 0.1901 +/- 0.0032

Run 4610 quartetwise, Diffs



## Cycle 9, Sums

Entries: 3407

Mean: 14.4479 +/- 0.0045

Std Dev: 0.2630 +/- 0.0032

Entries: 4569

Mean: 23.1250 +/- 0.0060

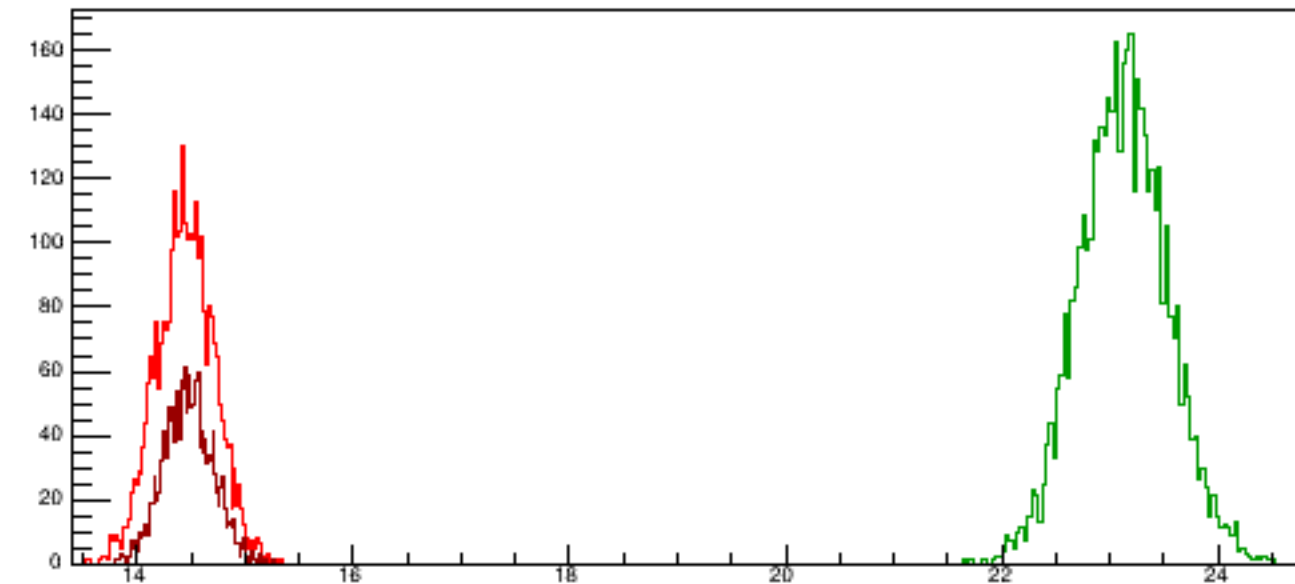
Std Dev: 0.4064 +/- 0.0043

Entries: 1730

Mean: 14.4704 +/- 0.0055

Std Dev: 0.2270 +/- 0.0039

Run 4610 quartetwise, Sums



## Cycle 9, Asyms

Entries: 3407

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0222 +/- 0.0003

Entries: 4569

Mean: 0.0154 +/- 0.0005

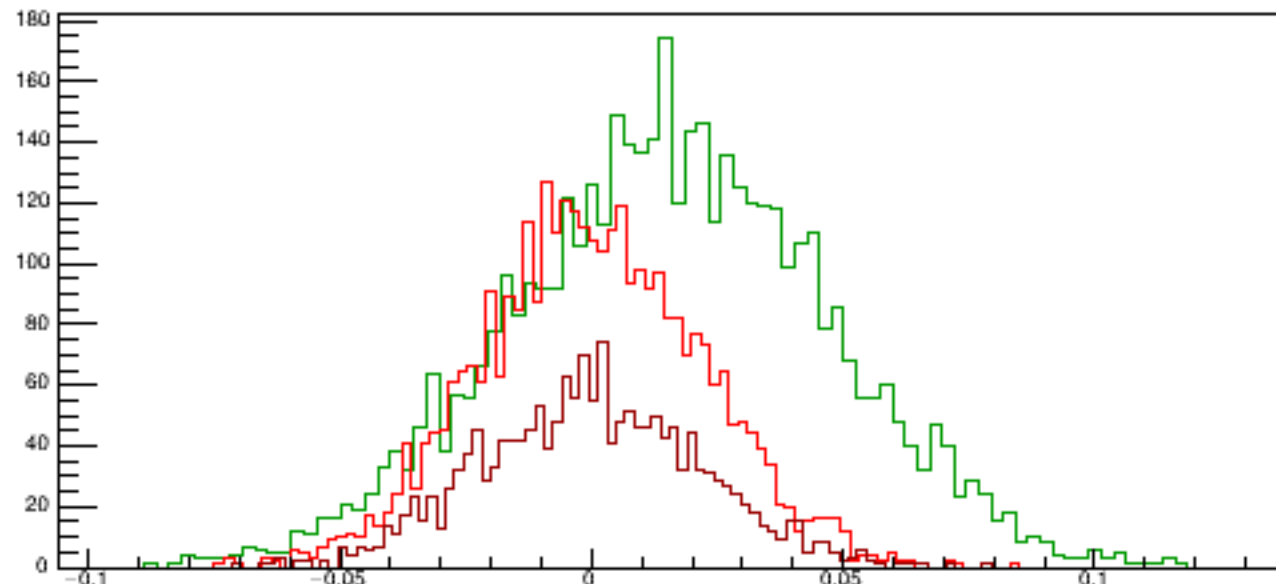
Std Dev: 0.0318 +/- 0.0003

Entries: 1730

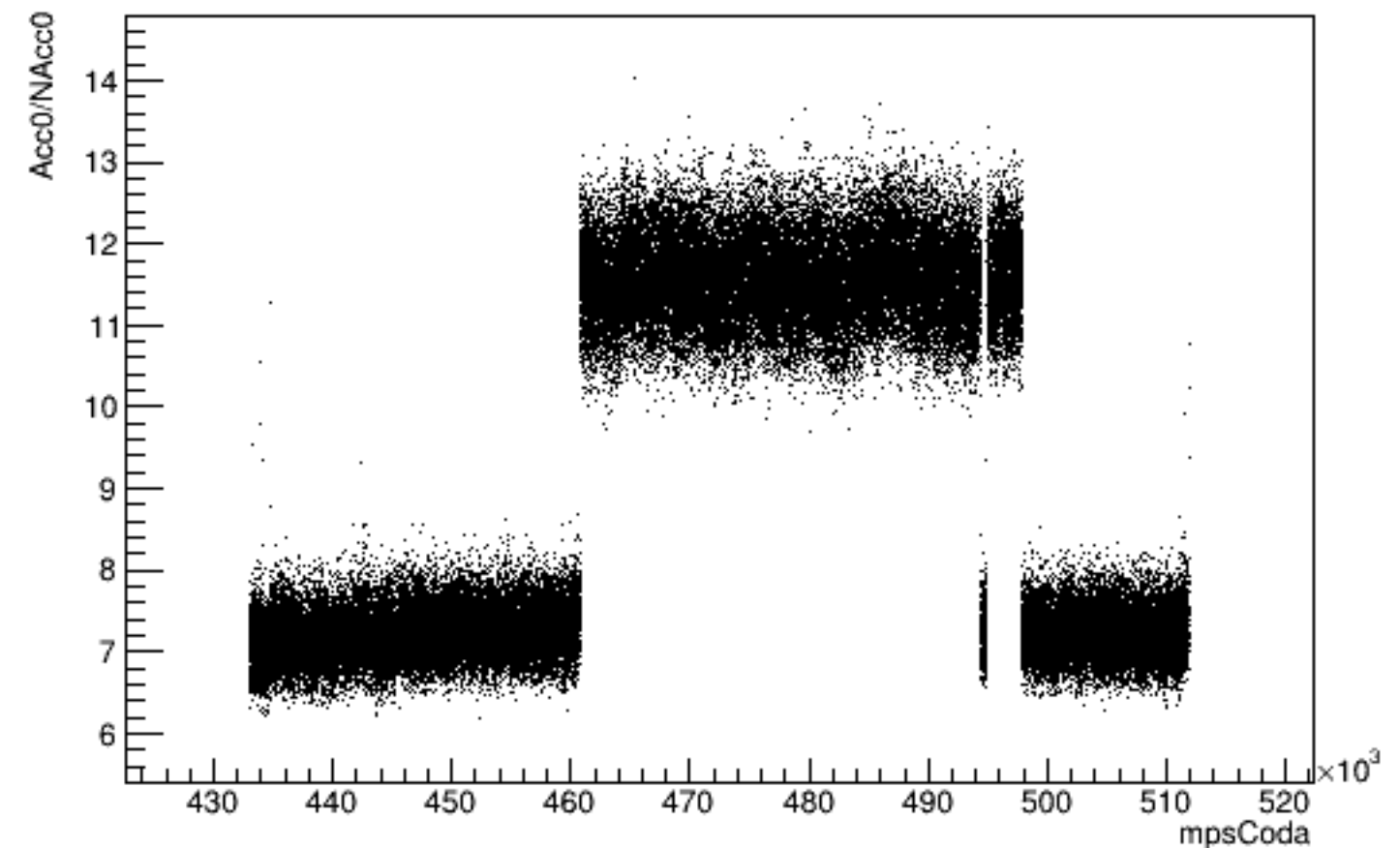
Mean: -0.0002 +/- 0.0005

Std Dev: 0.0219 +/- 0.0004

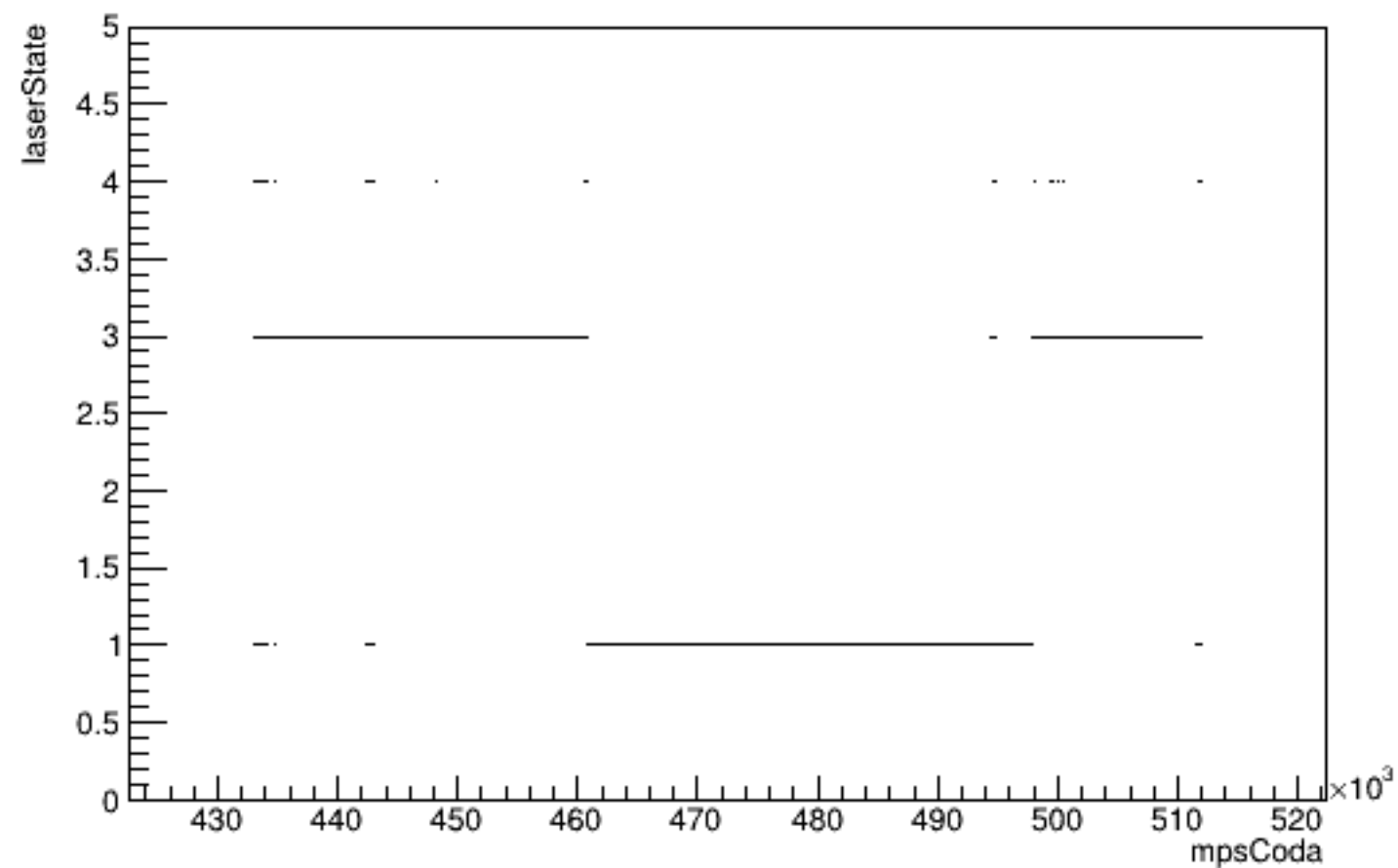
Run 4610 quartetwise, Asyms



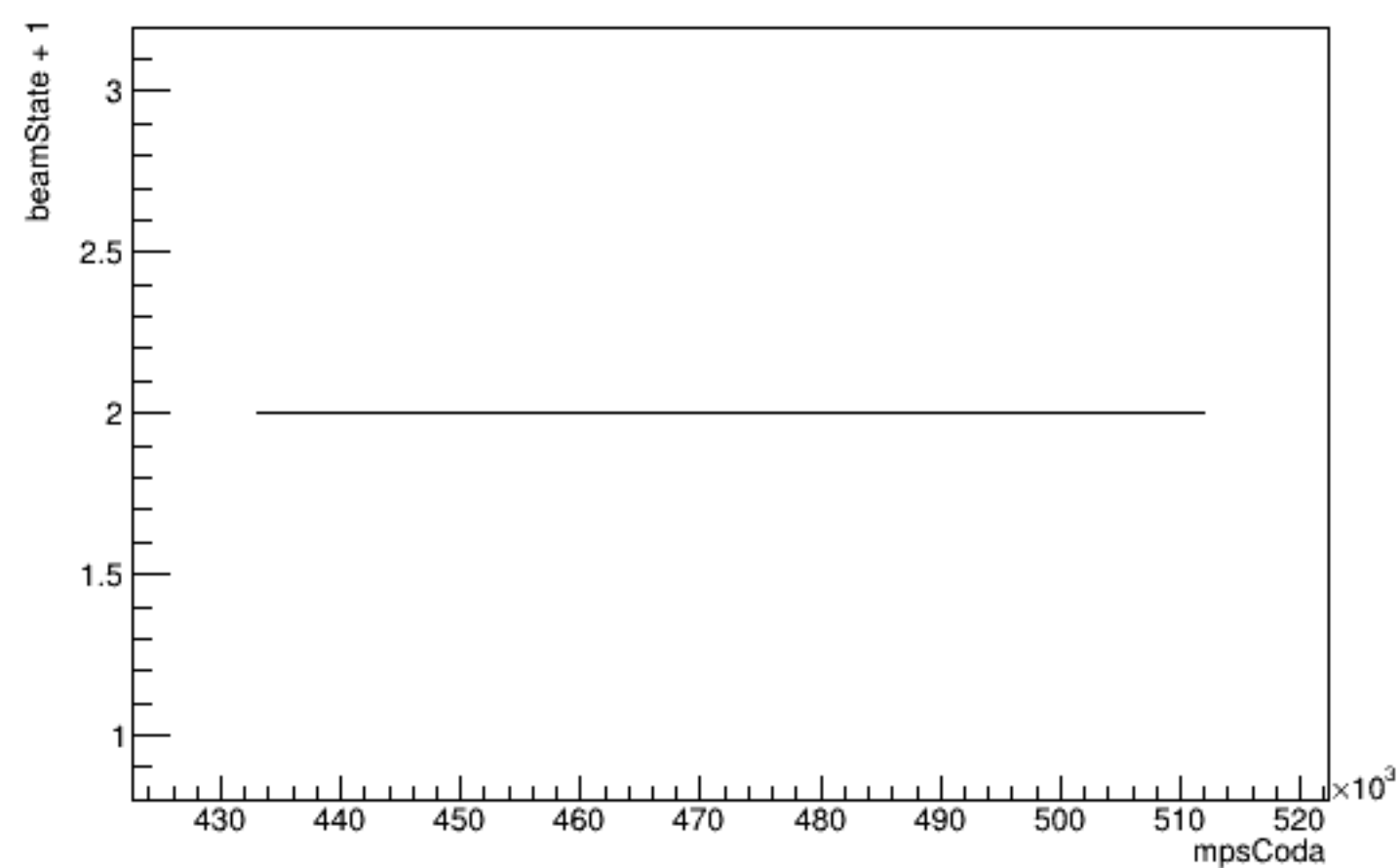
Acc0/NAcc0:mpsCoda {mpsCoda>=433014 && mpsCoda<=511877 && beamState==1}



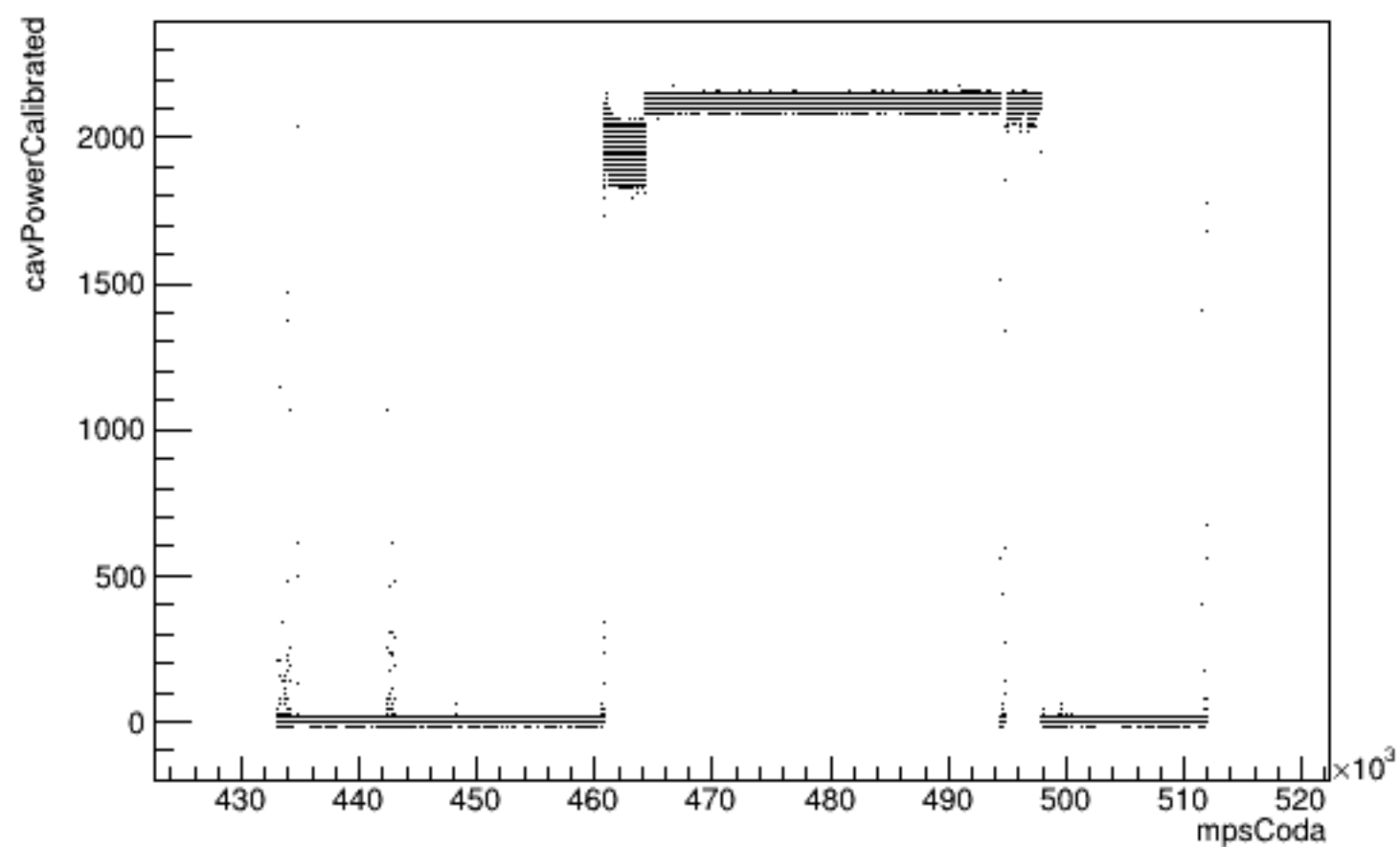
laserState:mpsCoda {mpsCoda&gt;=433014 &amp;&amp; mpsCoda&lt;=511877}



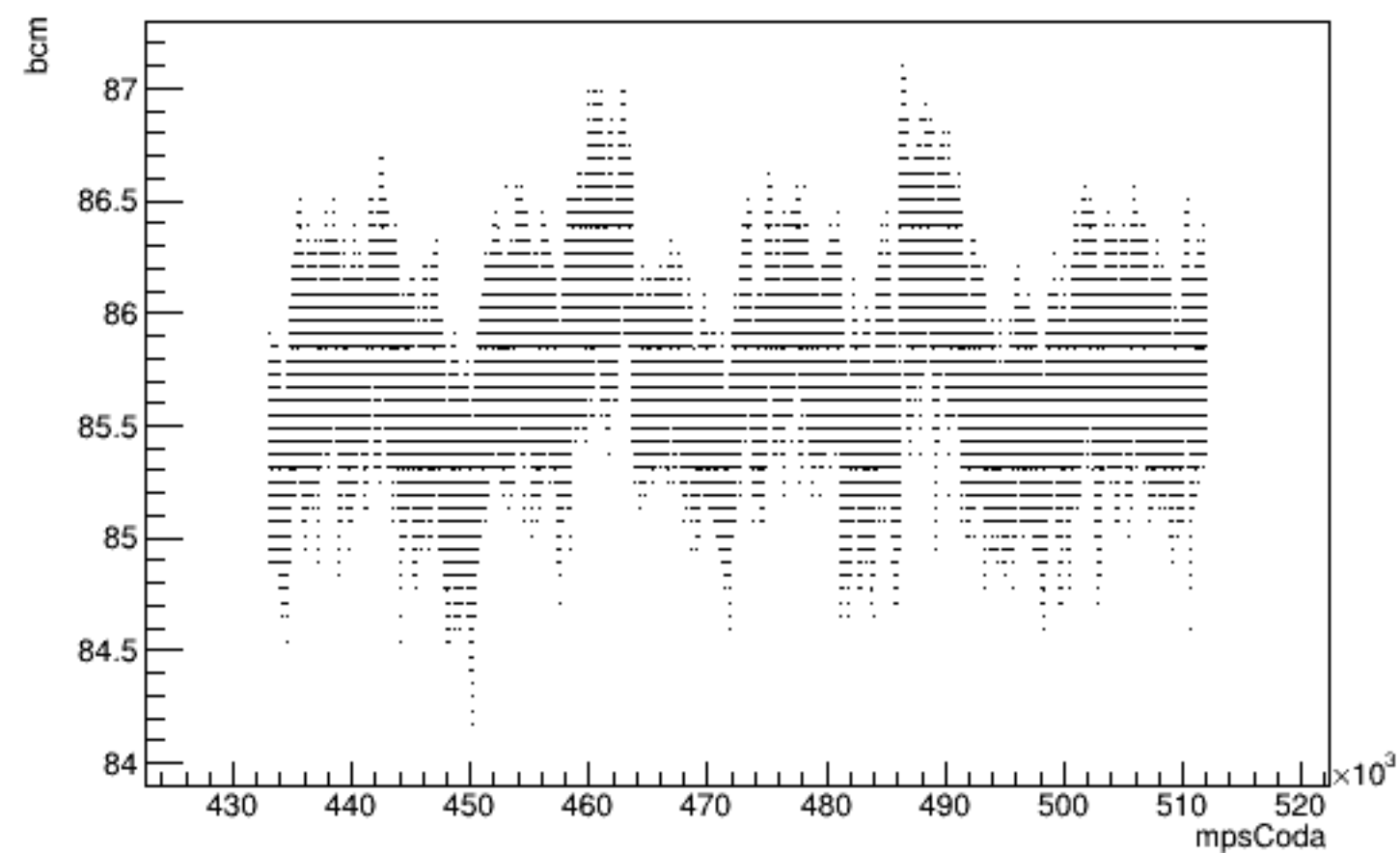
beamState + 1:mpsCoda {mpsCoda&gt;=433014 &amp;&amp; mpsCoda&lt;=511877}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=433014 &amp;&amp; mpsCoda&lt;=511877}



bcm:mpsCoda {mpsCoda&gt;=433014 &amp;&amp; mpsCoda&lt;=511877}



## Cycle 10, Diffs

Entries: 1730

Mean: -0.0015 +/- 0.0046

Std Dev: 0.1901 +/- 0.0032

Entries: 2430

Mean: 0.1288 +/- 0.0057

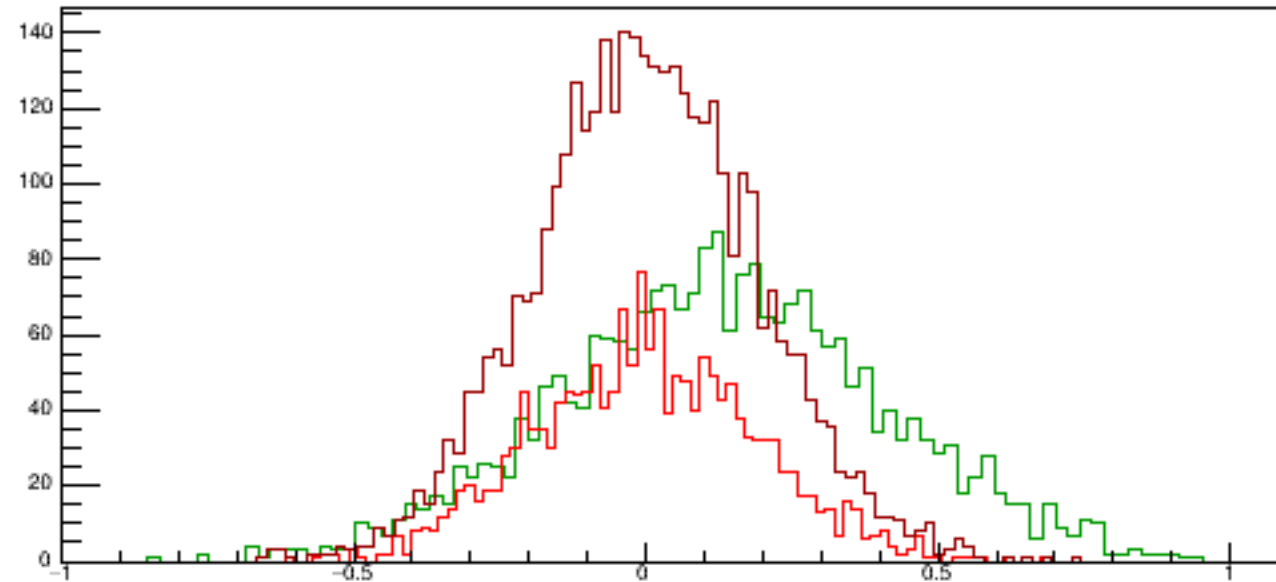
Std Dev: 0.2796 +/- 0.0040

Entries: 3817

Mean: -0.0001 +/- 0.0031

Std Dev: 0.1914 +/- 0.0022

Run 4610 quartetwise, Diffs



## Cycle 10, Sums

Entries: 1730

Mean: 14.4704 +/- 0.0055

Std Dev: 0.2270 +/- 0.0039

Entries: 2430

Mean: 22.6416 +/- 0.0089

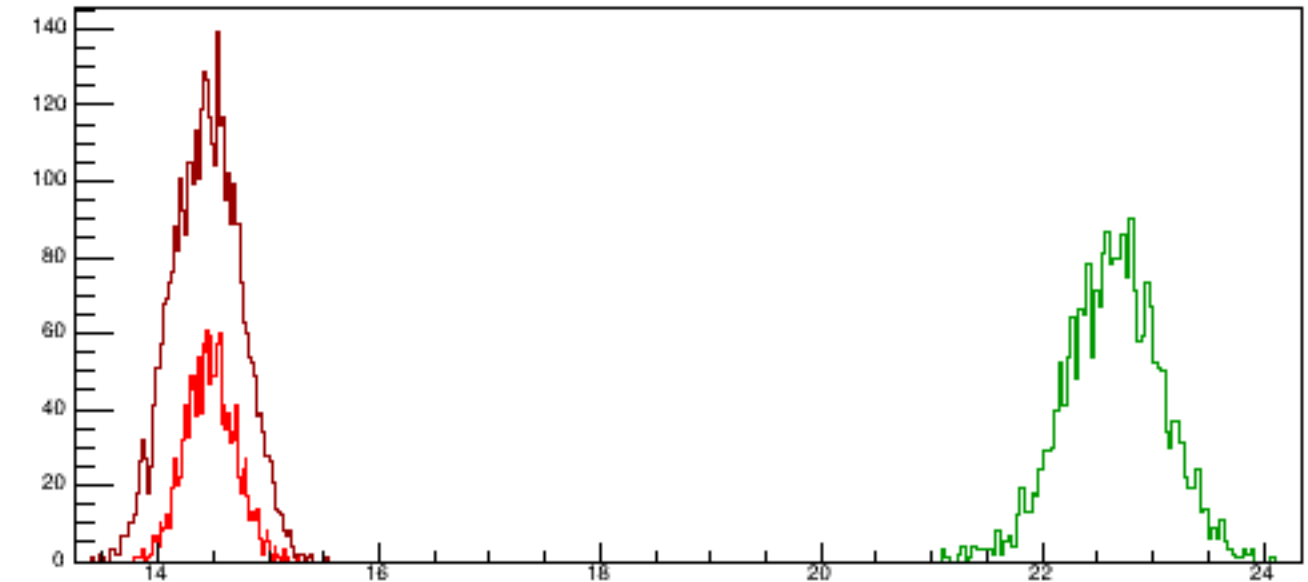
Std Dev: 0.4375 +/- 0.0063

Entries: 3817

Mean: 14.4412 +/- 0.0050

Std Dev: 0.3088 +/- 0.0035

Run 4610 quartetwise, Sums



## Cycle 10, Asyms

Entries: 1730

Mean: -0.0002 +/- 0.0006

Std Dev: 0.0232 +/- 0.0004

Entries: 2430

Mean: 0.0158 +/- 0.0007

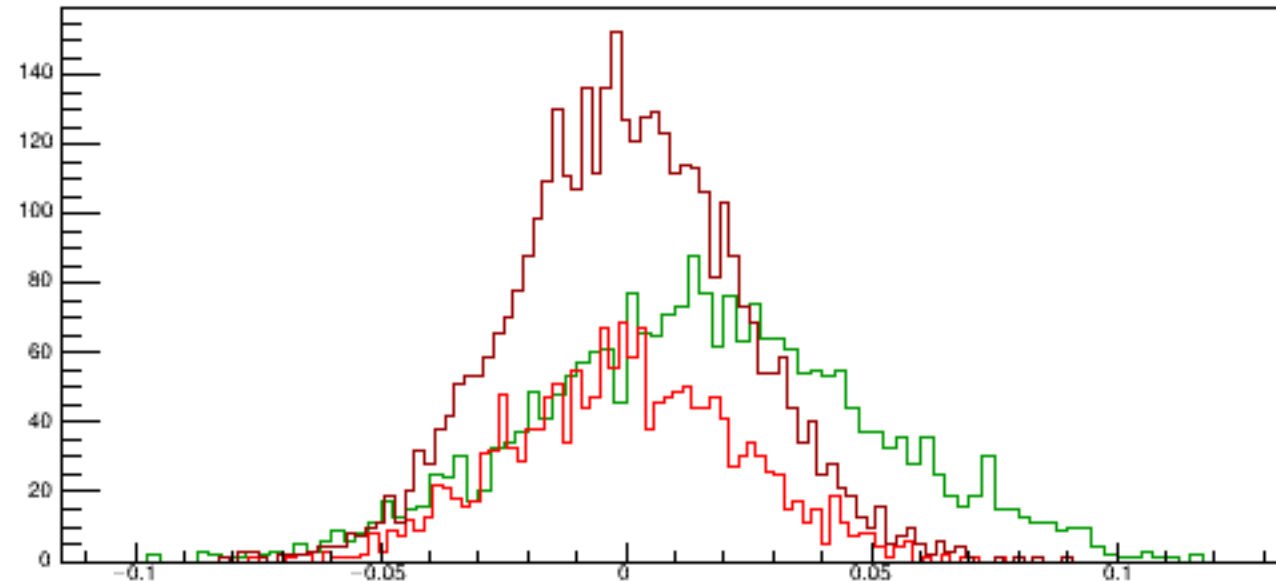
Std Dev: 0.0342 +/- 0.0005

Entries: 3817

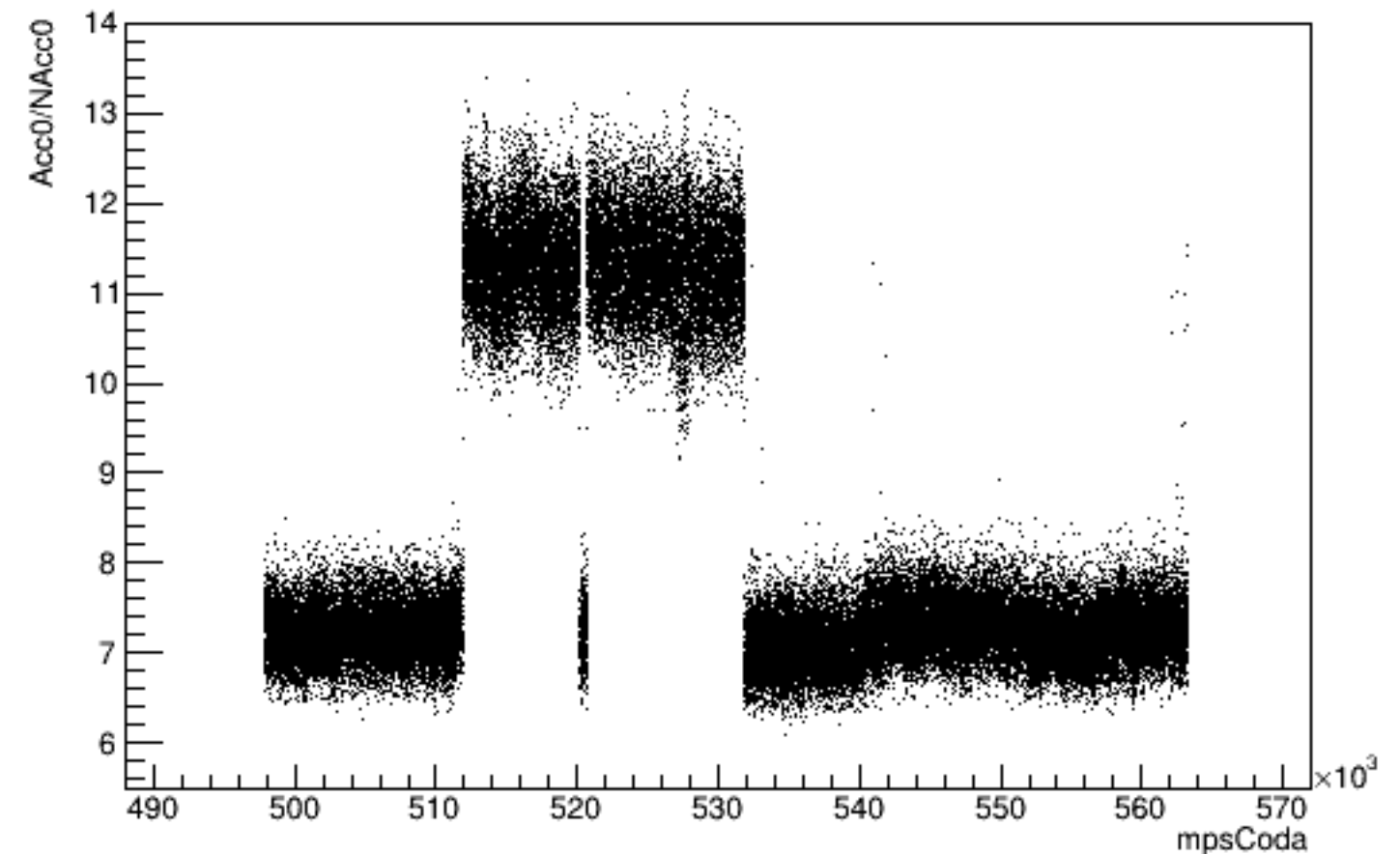
Mean: -0.0000 +/- 0.0004

Std Dev: 0.0234 +/- 0.0003

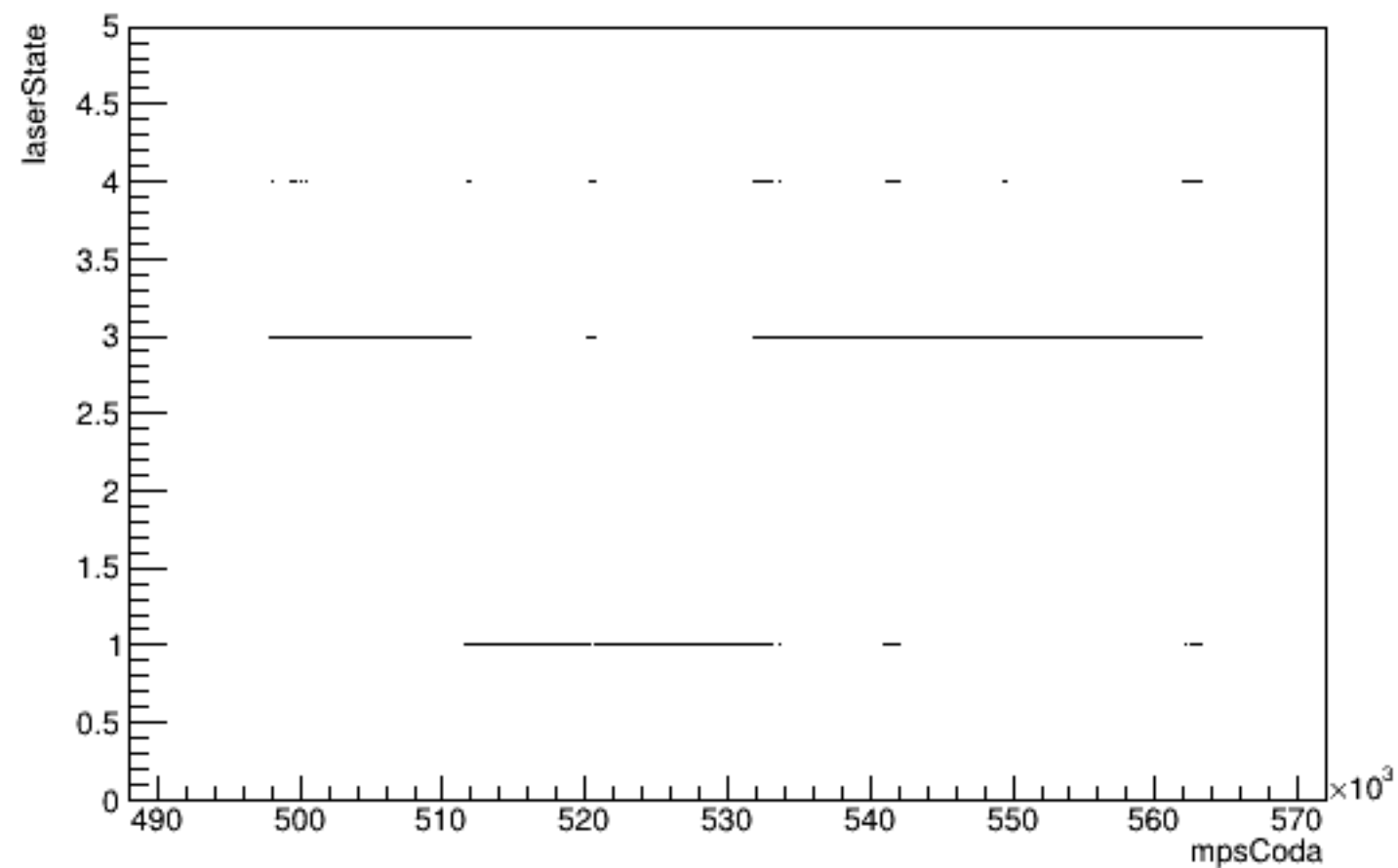
Run 4610 quartetwise, Asyms



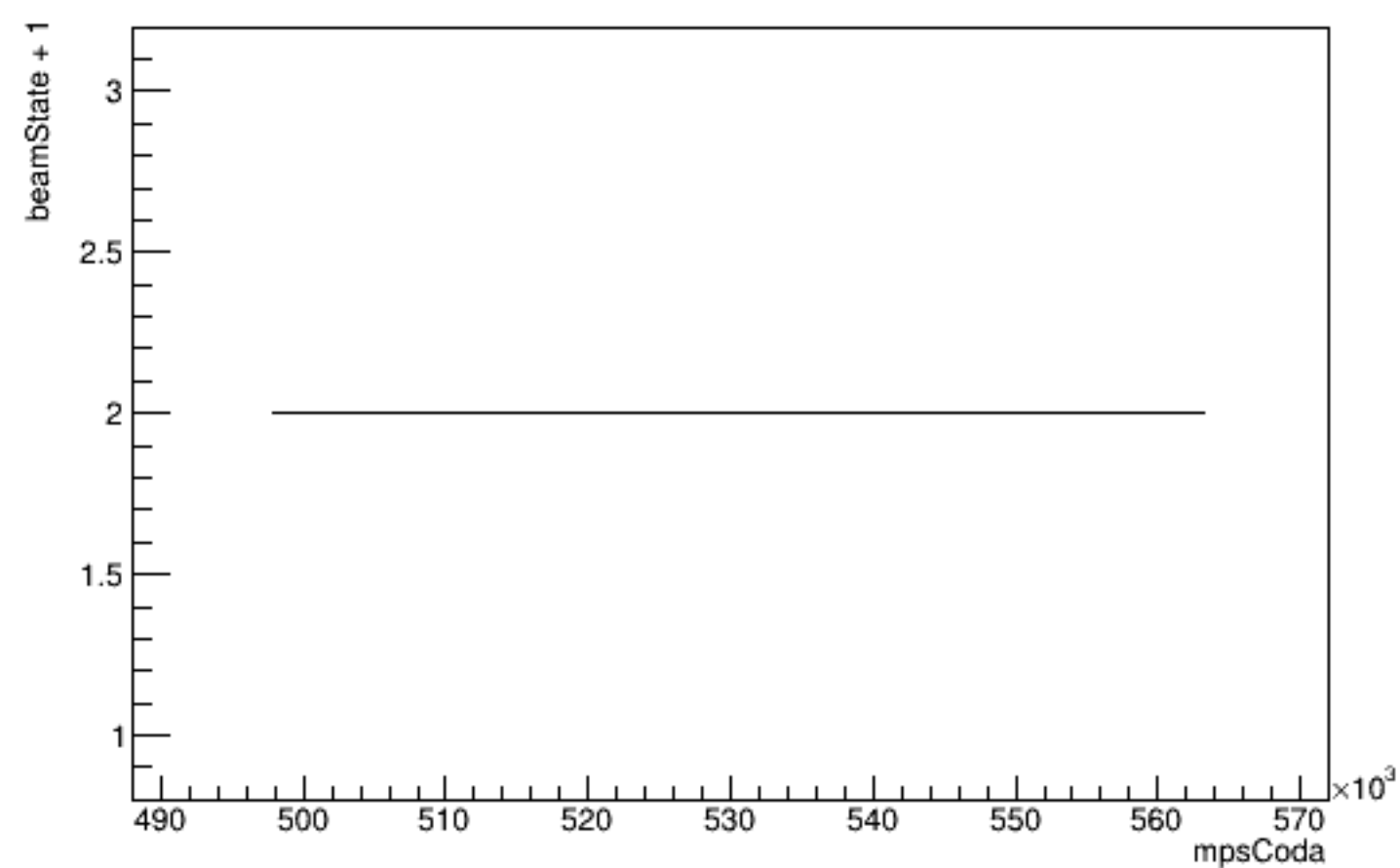
Acc0/NAcc0:mpsCoda {mpsCoda>=497886 && mpsCoda<=563245 && beamState==1}



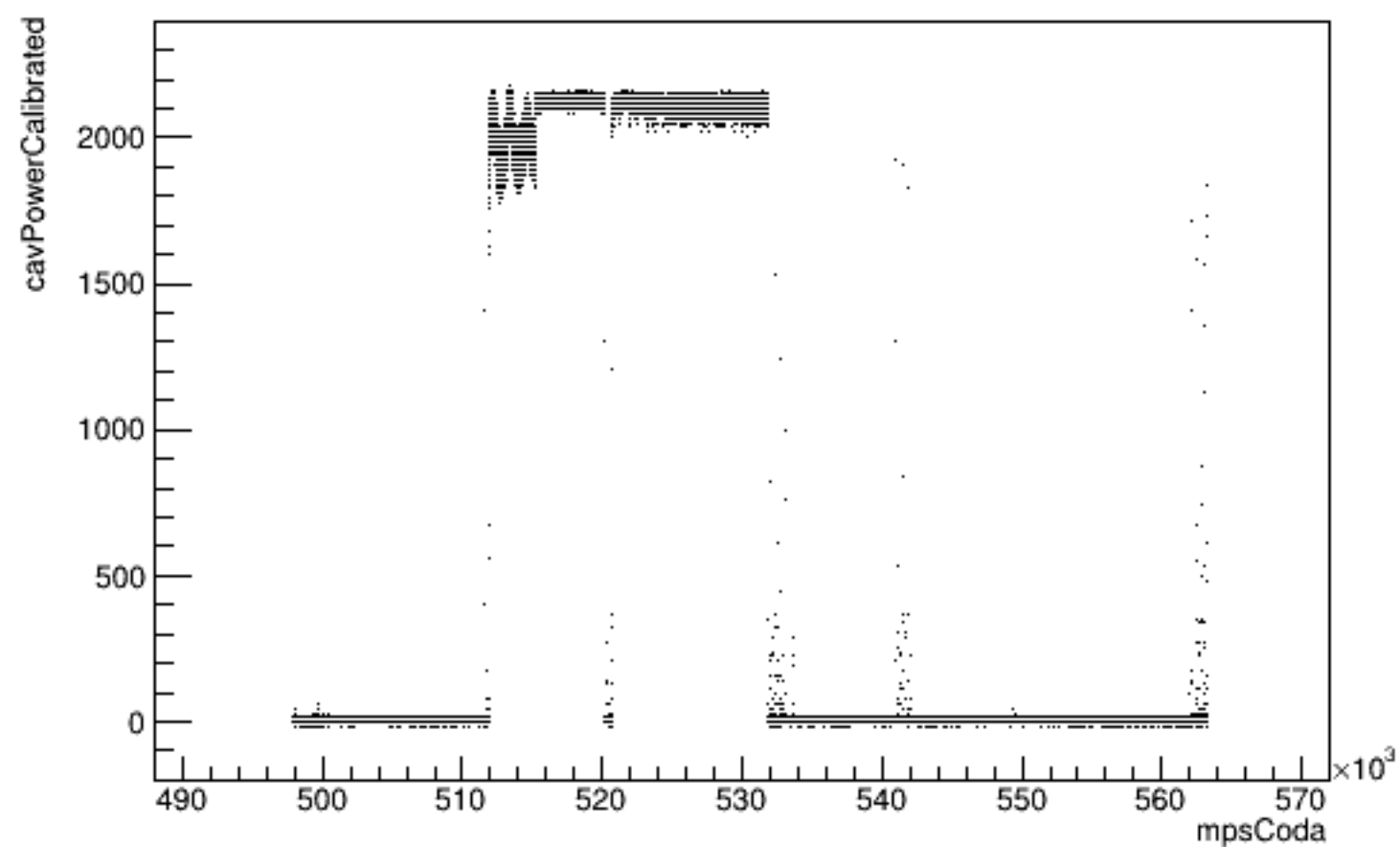
laserState:mpsCoda {mpsCoda&gt;=497886 &amp;&amp; mpsCoda&lt;=563245}



beamState + 1:mpsCoda {mpsCoda&gt;=497886 &amp;&amp; mpsCoda&lt;=563245}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=497886 &amp;&amp; mpsCoda&lt;=563245}



bcm:mpsCoda {mpsCoda&gt;=497886 &amp;&amp; mpsCoda&lt;=563245}

