

## Cycle 1, Diffs

Entries: 1261

Mean: 0.0173 +/- 0.0099

Std Dev: 0.3503 +/- 0.0070

Entries: 1834

Mean: 0.8078 +/- 0.0121

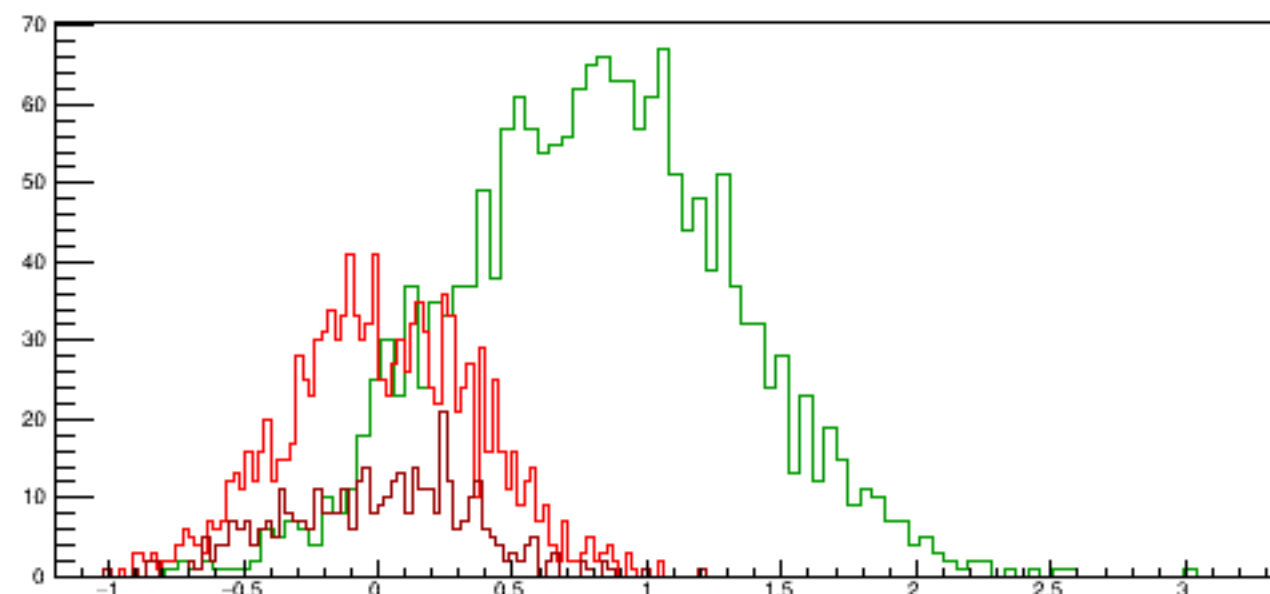
Std Dev: 0.5201 +/- 0.0086

Entries: 399

Mean: -0.0045 +/- 0.0176

Std Dev: 0.3521 +/- 0.0125

Run 5977 quartetwise, Diffs



## Cycle 1, Sums

Entries: 1261

Mean: 4.9862 +/- 0.0117

Std Dev: 0.4151 +/- 0.0083

Entries: 1834

Mean: 30.2606 +/- 0.0257

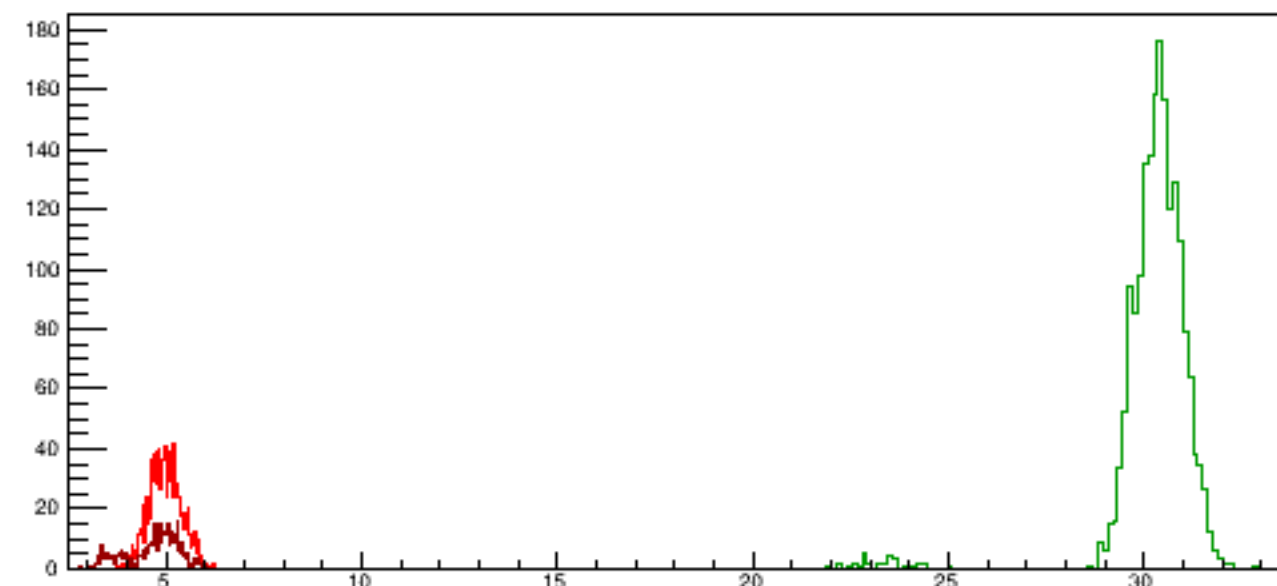
Std Dev: 1.1016 +/- 0.0182

Entries: 399

Mean: 4.6654 +/- 0.0347

Std Dev: 0.6939 +/- 0.0246

Run 5977 quartetwise, Sums



## Cycle 1, Asyms

Entries: 1261

Mean: 0.0007 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 1834

Mean: 0.0318 +/- 0.0005

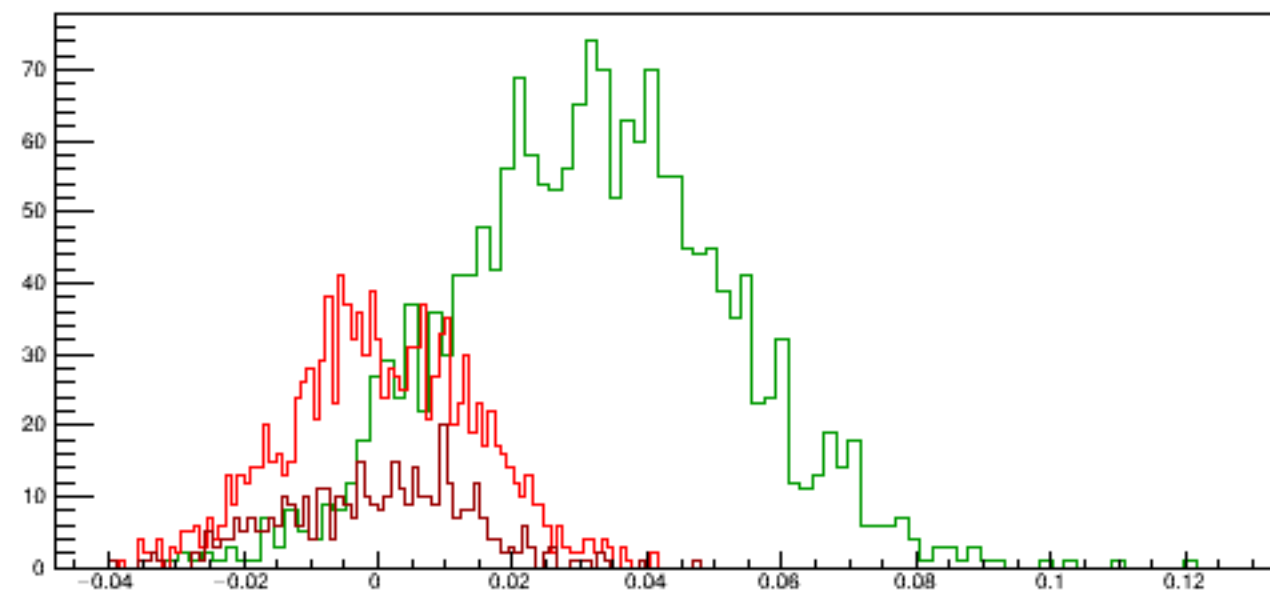
Std Dev: 0.0205 +/- 0.0003

Entries: 399

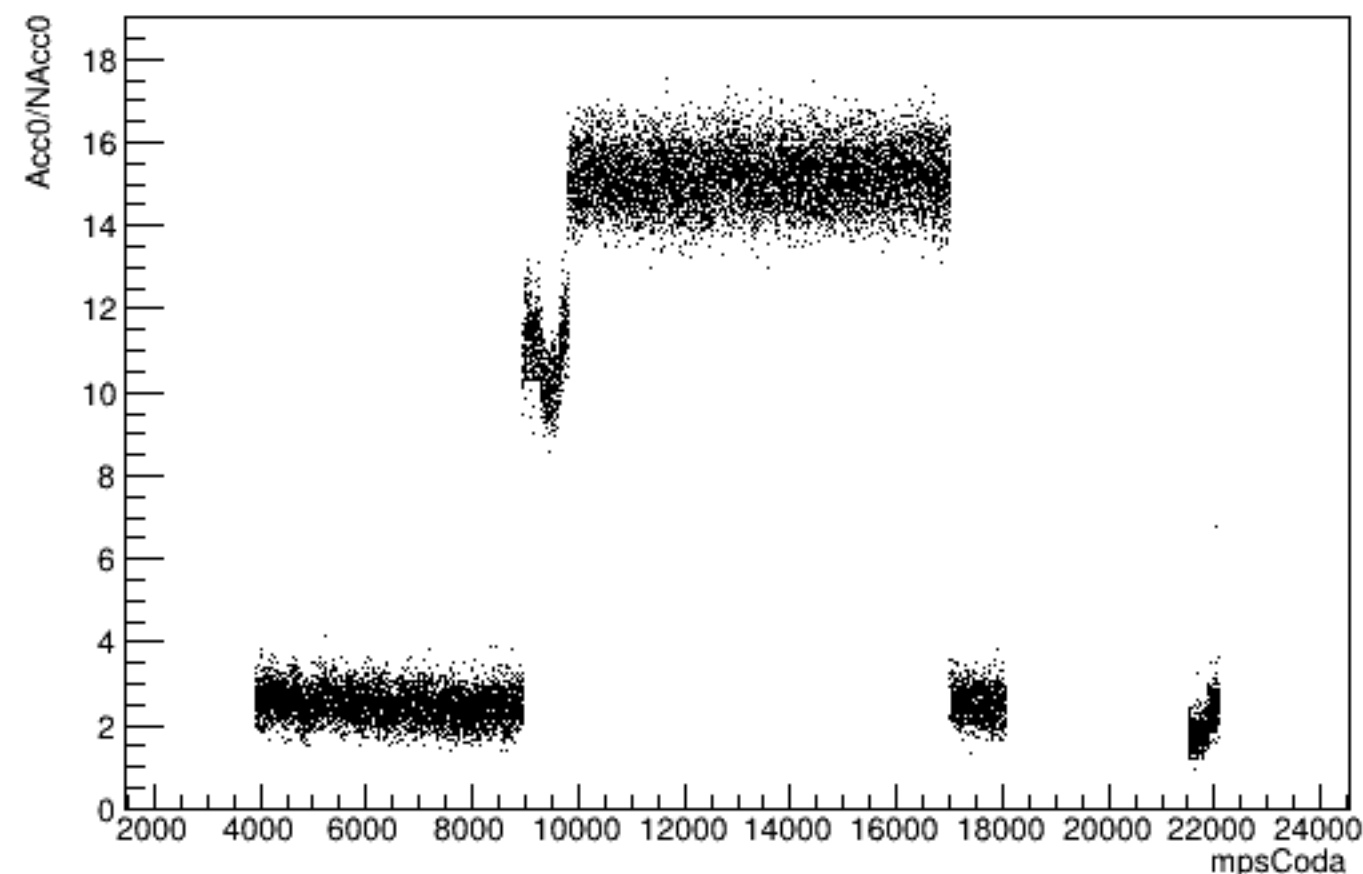
Mean: -0.0002 +/- 0.0007

Std Dev: 0.0138 +/- 0.0005

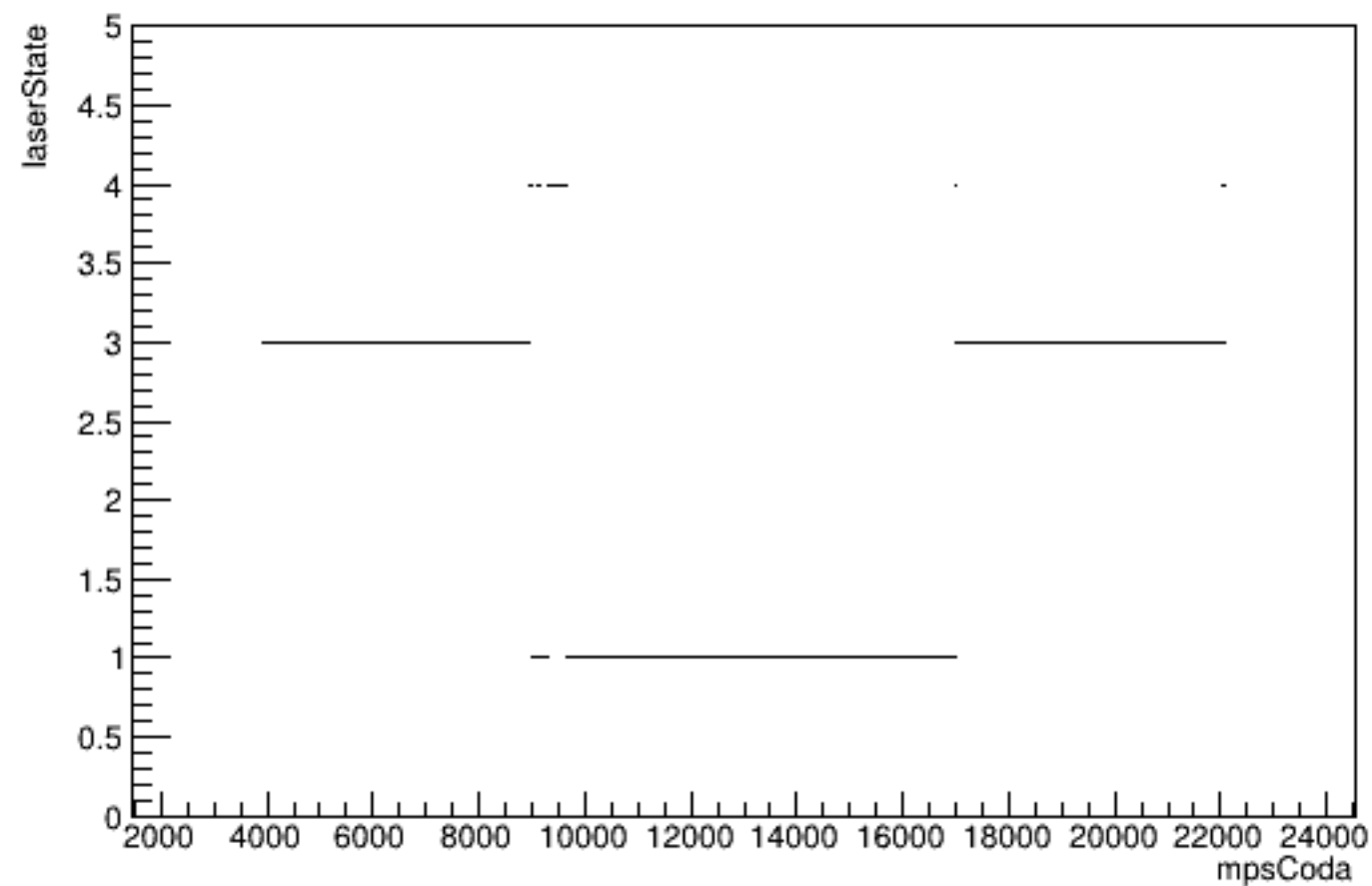
Run 5977 quartetwise, Asyms



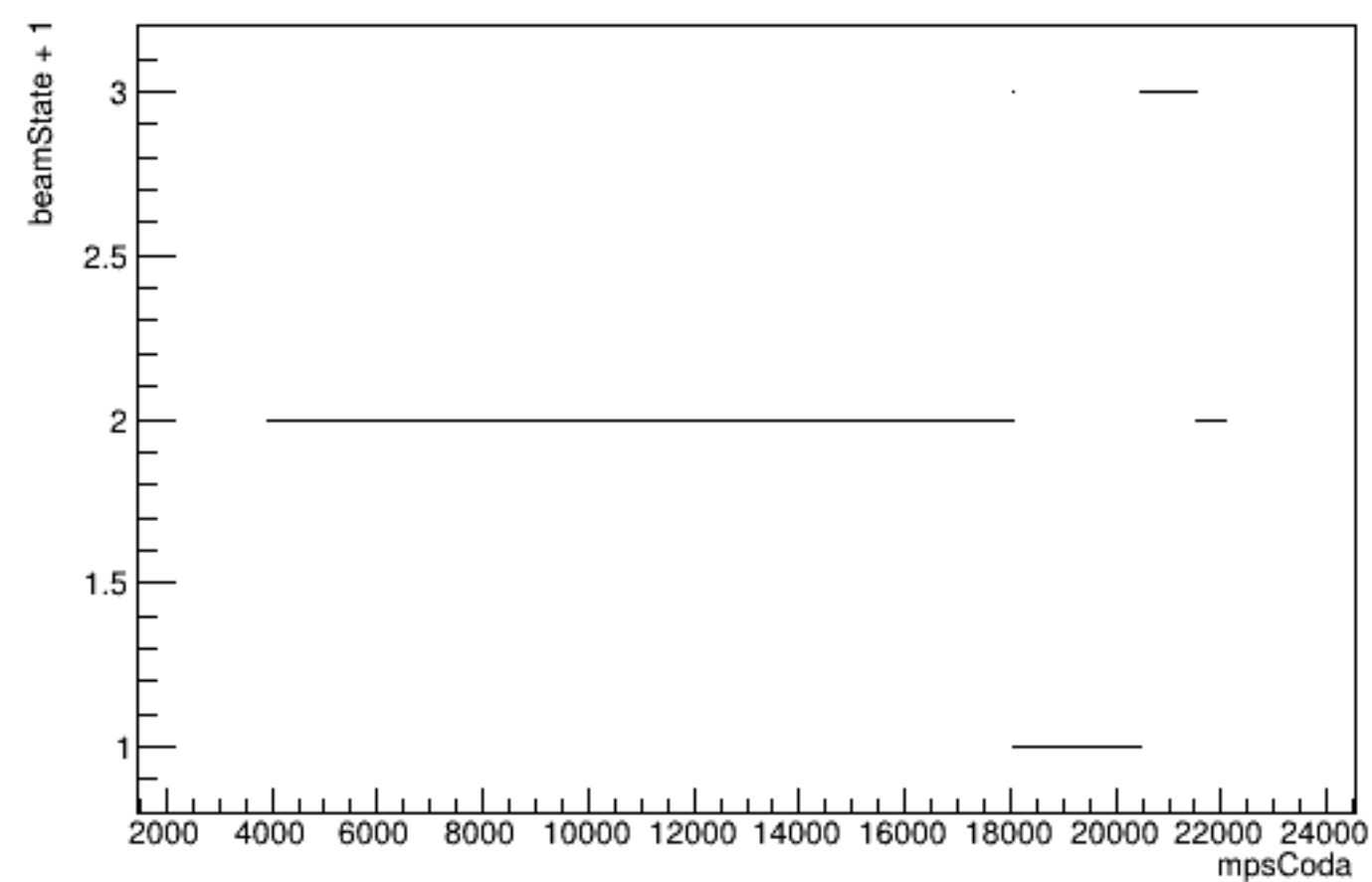
Acc0/NAcc0:mpsCoda {mpsCoda>=3911 && mpsCoda<=22078 && beamState==1}



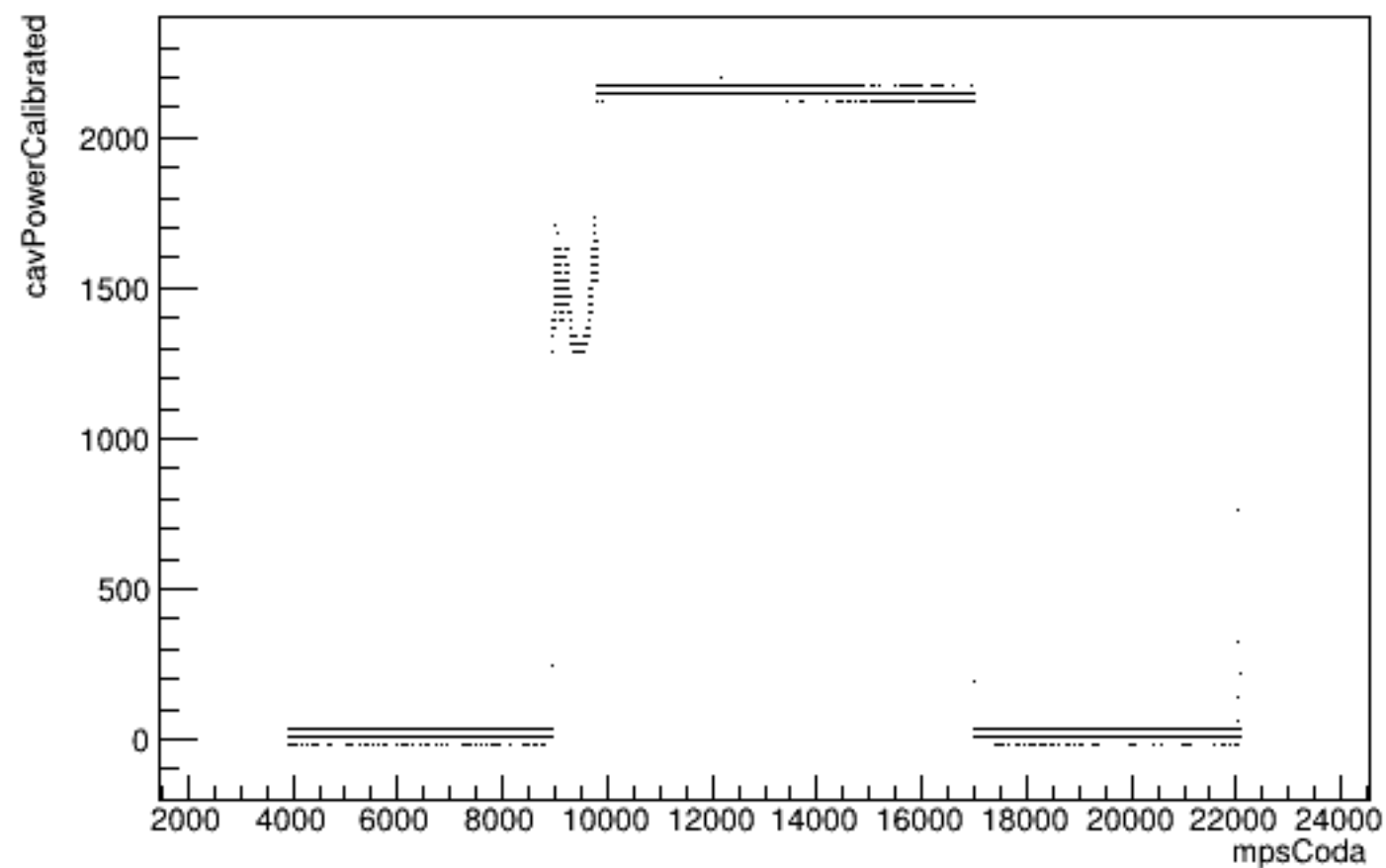
laserState:mpsCoda {mpsCoda&gt;=3911 &amp;&amp; mpsCoda&lt;=22078}



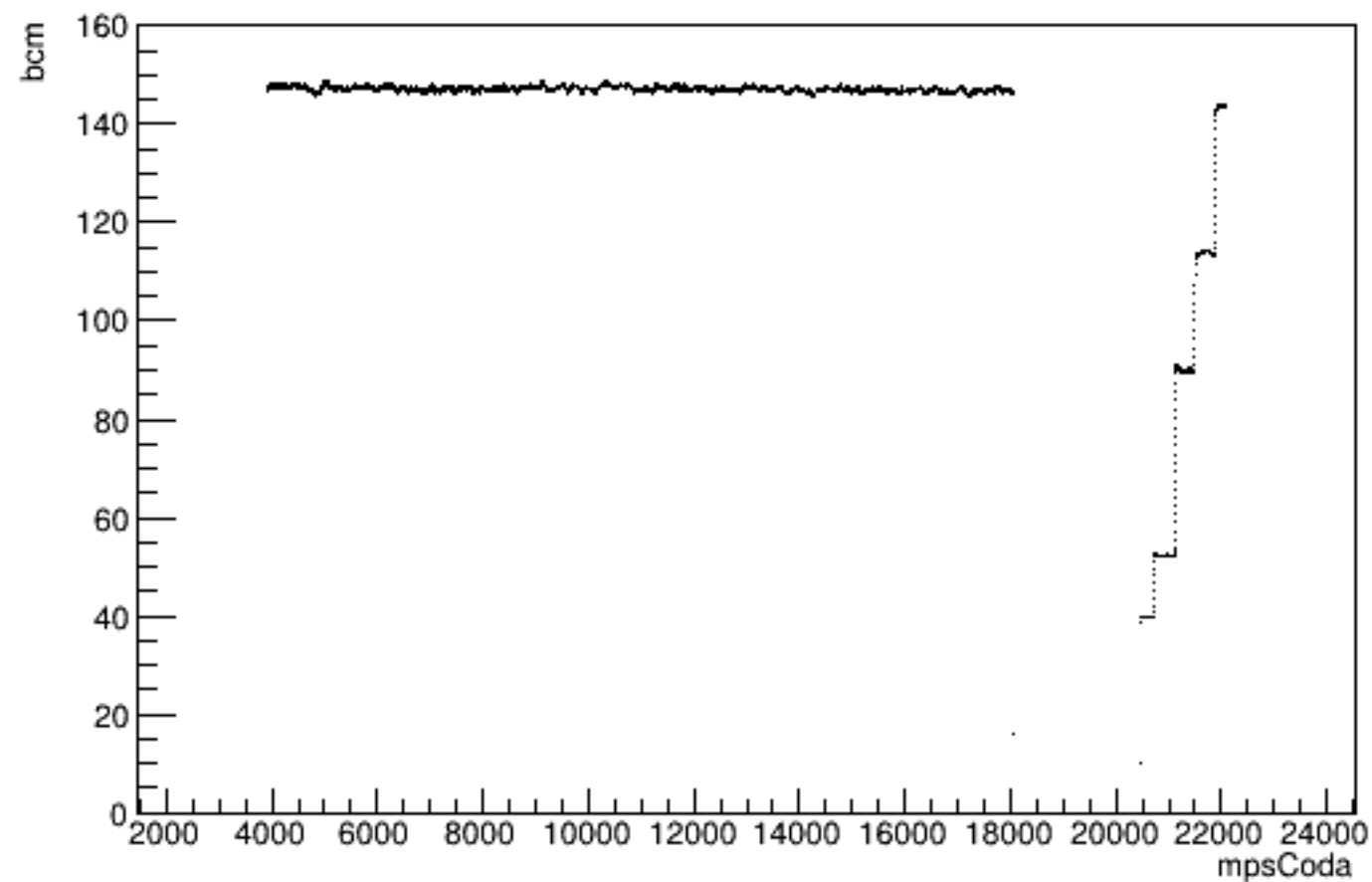
beamState + 1:mpsCoda {mpsCoda&gt;=3911 &amp;&amp; mpsCoda&lt;=22078}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=3911 &amp;&amp; mpsCoda&lt;=22078}



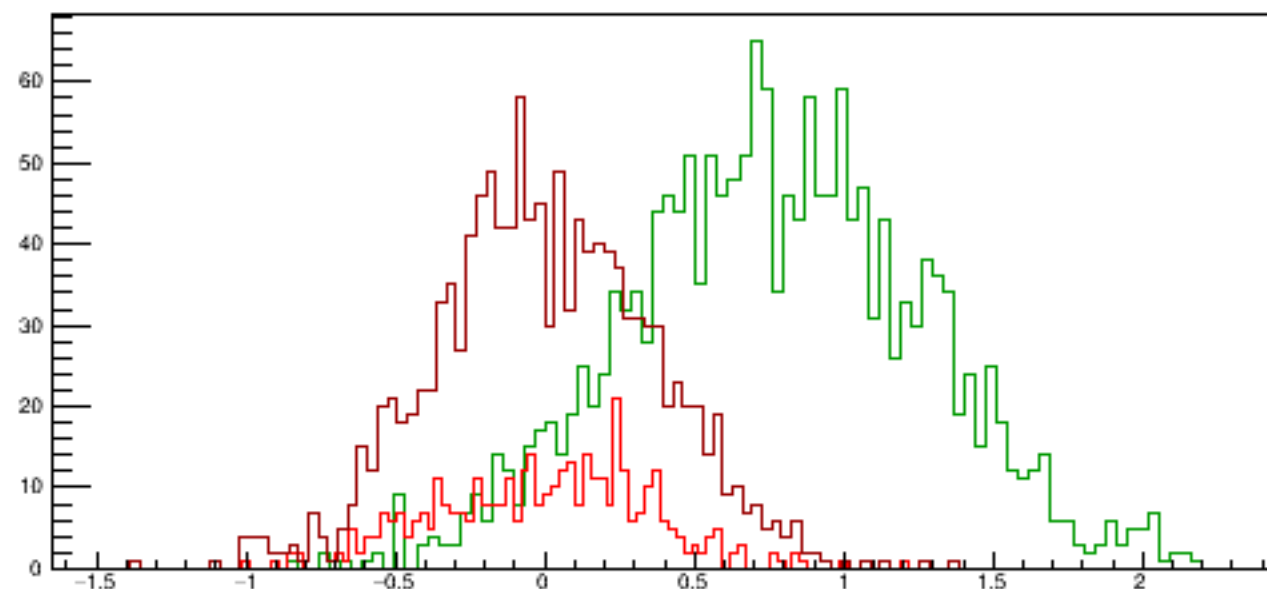
bcm:mpsCoda {mpsCoda&gt;=3911 &amp;&amp; mpsCoda&lt;=22078}



## Cycle 2, Diffs

| Entries: 399               | Entries: 1800              | Entries: 1269              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0045 +/- 0.0176   | Mean: 0.7695 +/- 0.0118    | Mean: -0.0005 +/- 0.0104   |
| Std Dev: 0.3521 +/- 0.0125 | Std Dev: 0.5000 +/- 0.0083 | Std Dev: 0.3700 +/- 0.0073 |

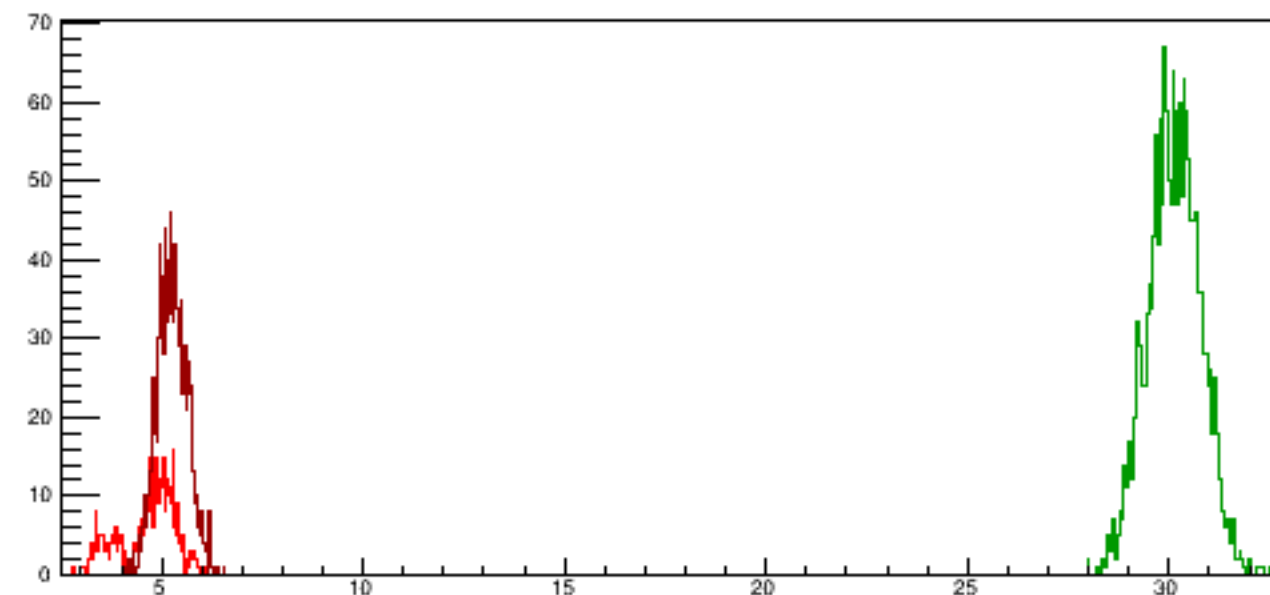
Run 5977 quartetwise, Diffs



## Cycle 2, Sums

| Entries: 399               | Entries: 1800              | Entries: 1269              |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.6654 +/- 0.0347    | Mean: 30.1306 +/- 0.0155   | Mean: 5.2535 +/- 0.0106    |
| Std Dev: 0.6939 +/- 0.0246 | Std Dev: 0.6564 +/- 0.0109 | Std Dev: 0.3760 +/- 0.0075 |

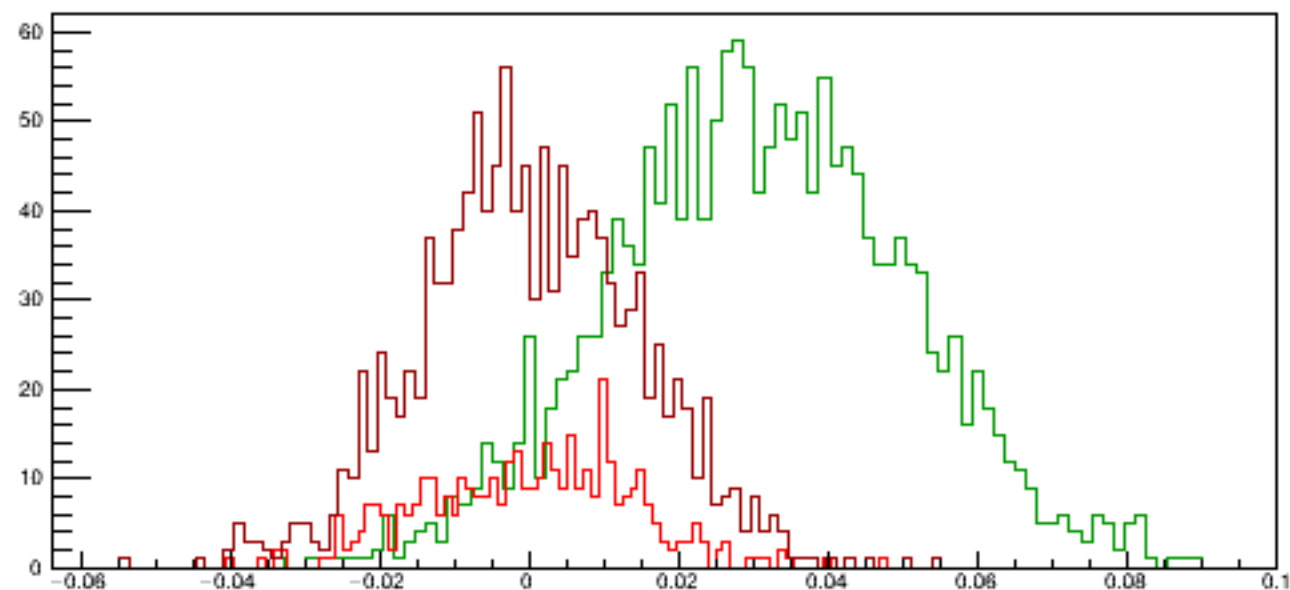
Run 5977 quartetwise, Sums



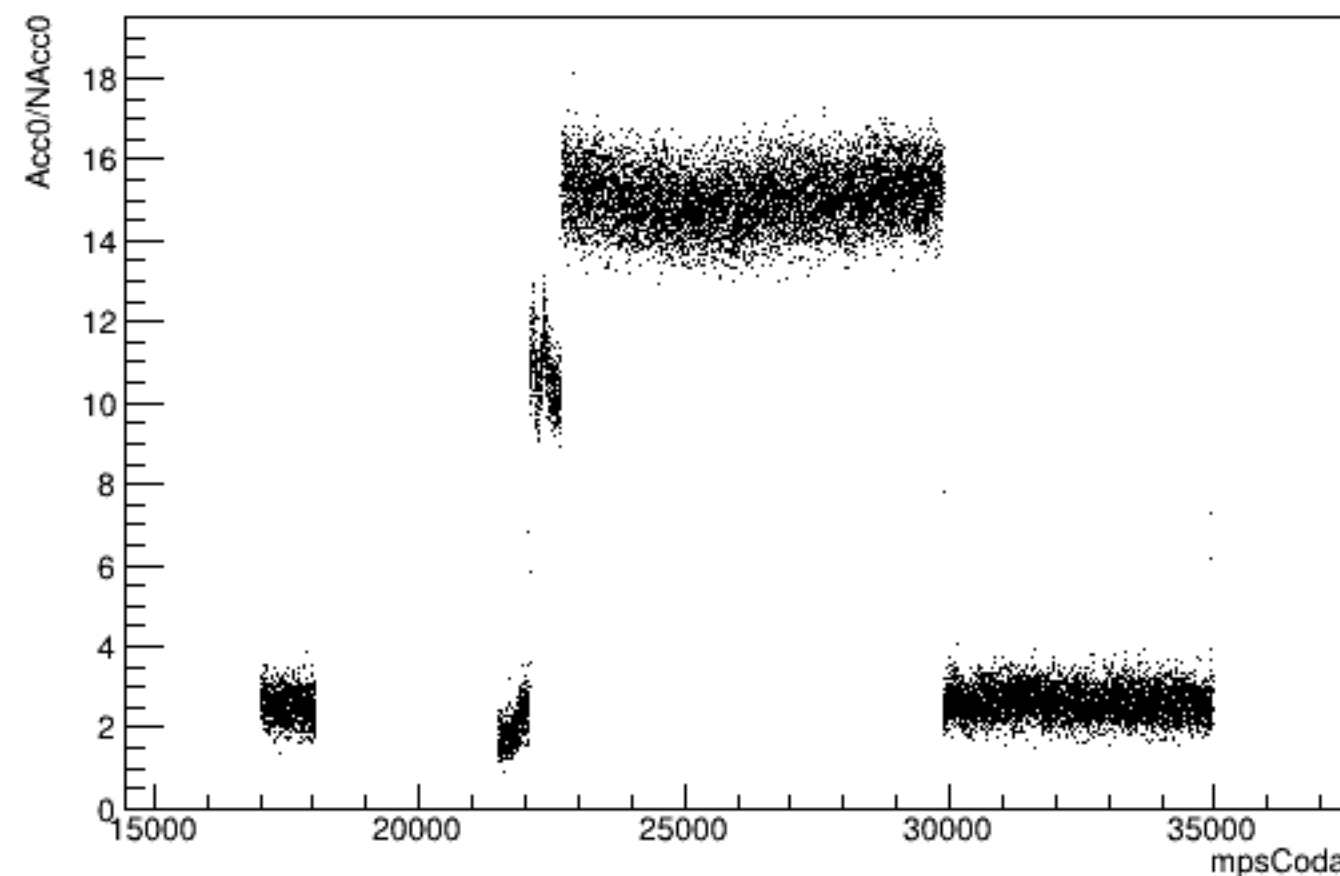
## Cycle 2, Asyms

| Entries: 399               | Entries: 1800              | Entries: 1269              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0002 +/- 0.0007   | Mean: 0.0306 +/- 0.0005    | Mean: -0.0000 +/- 0.0004   |
| Std Dev: 0.0140 +/- 0.0005 | Std Dev: 0.0199 +/- 0.0003 | Std Dev: 0.0147 +/- 0.0003 |

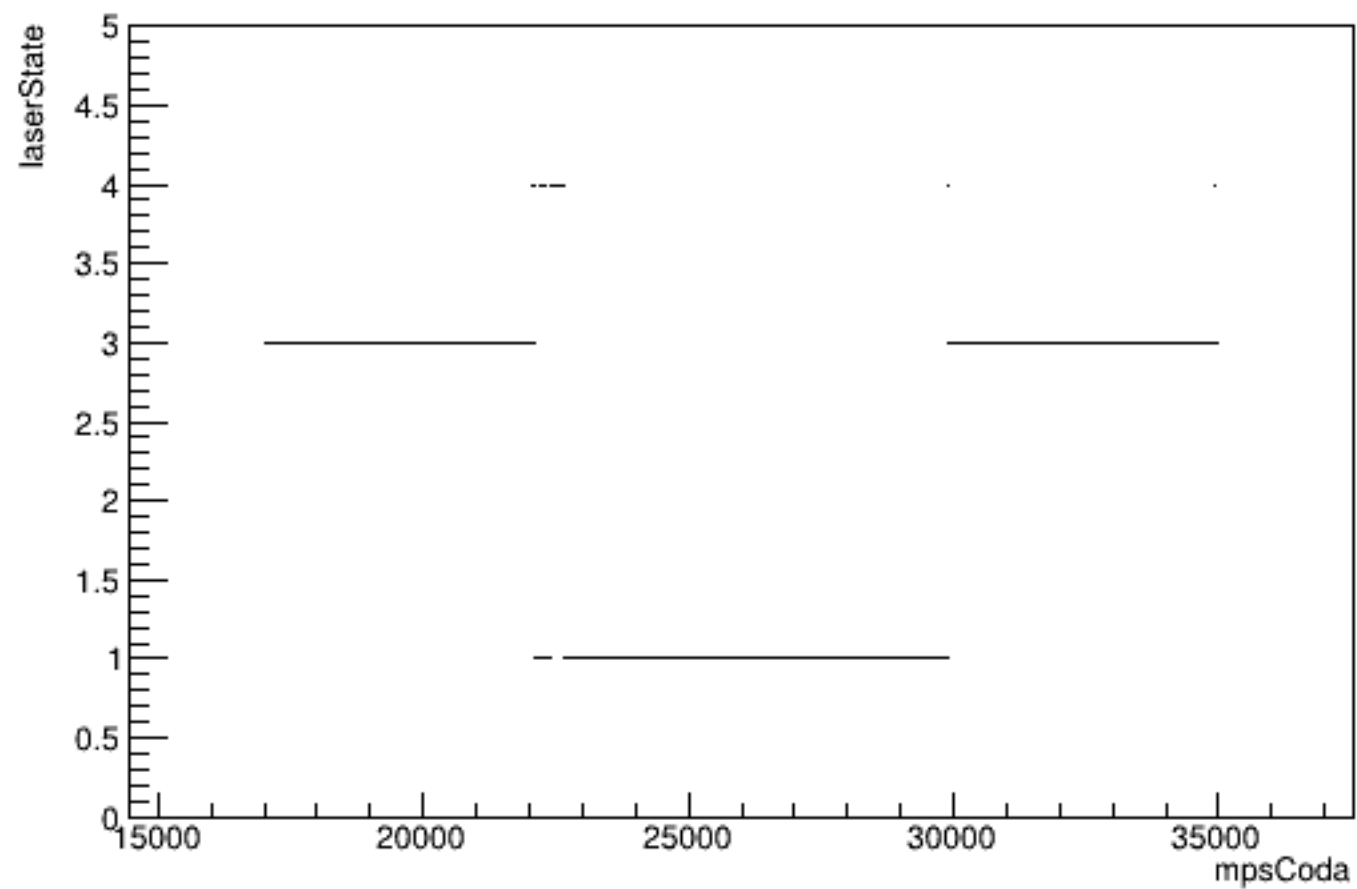
Run 5977 quartetwise, Asyms



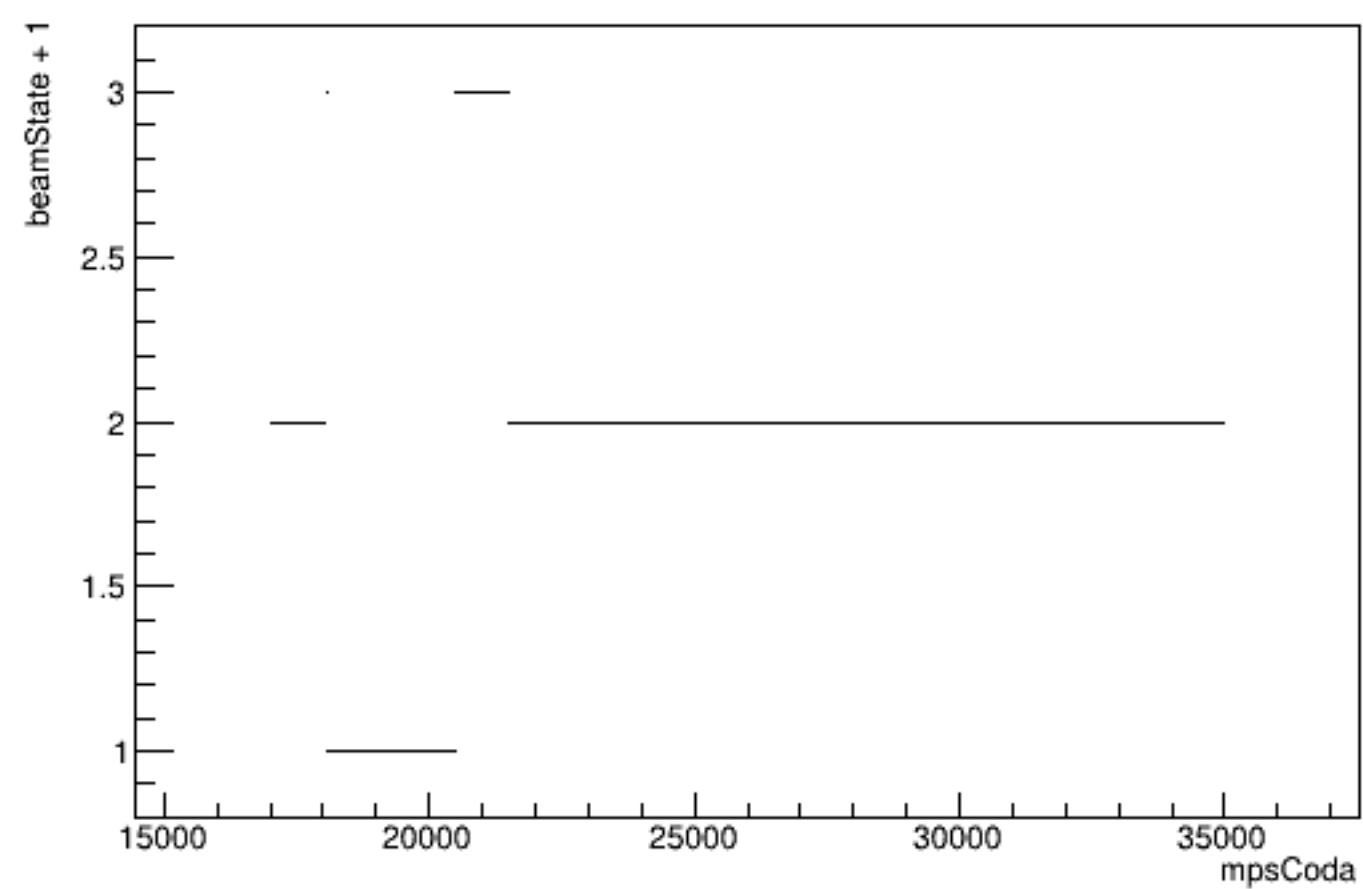
Acc0/NAcc0:mpsCoda {mpsCoda>=17019 && mpsCoda<=34962 && beamState==1}



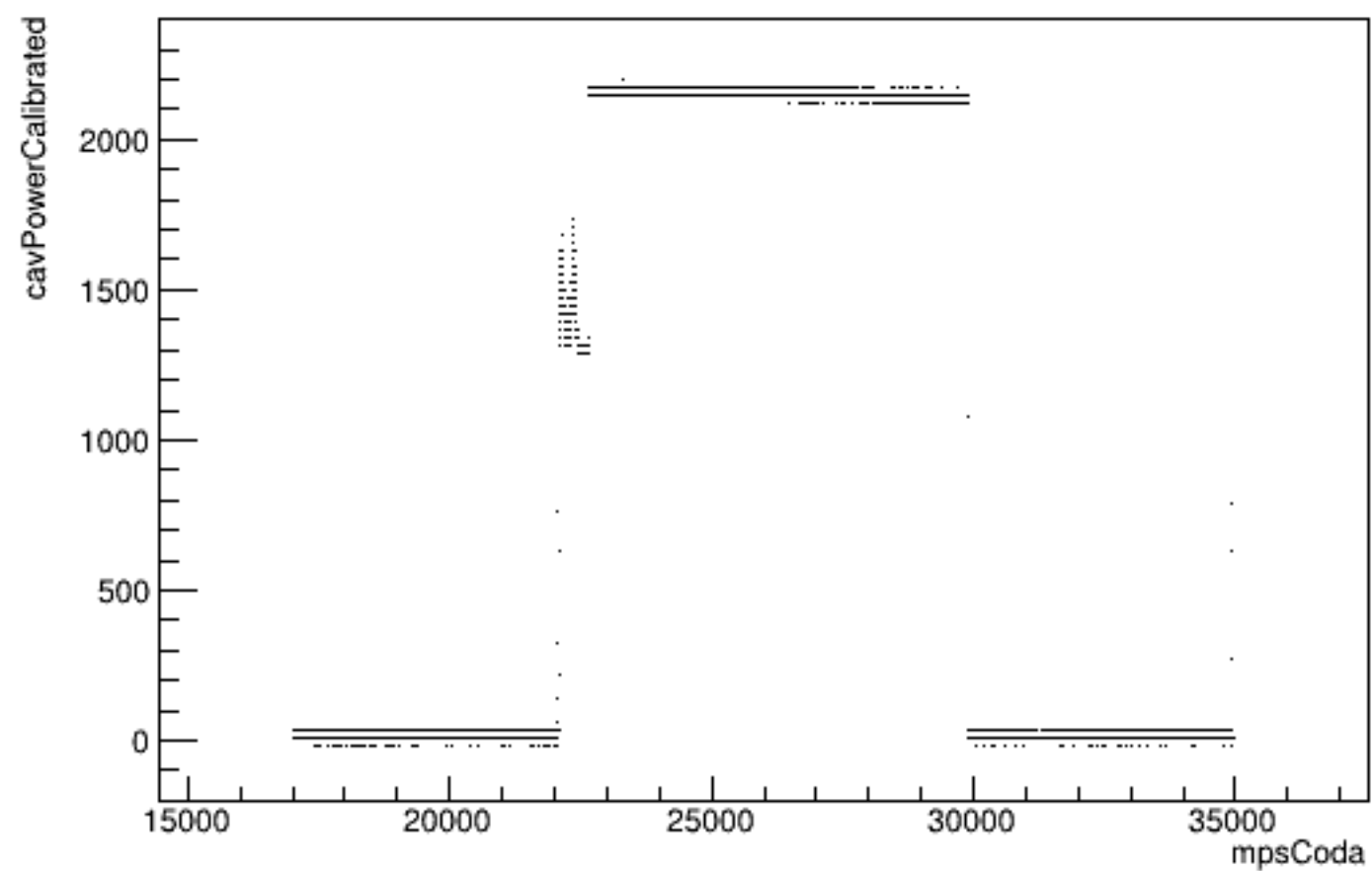
laserState:mpsCoda {mpsCoda&gt;=17019 &amp;&amp; mpsCoda&lt;=34962}



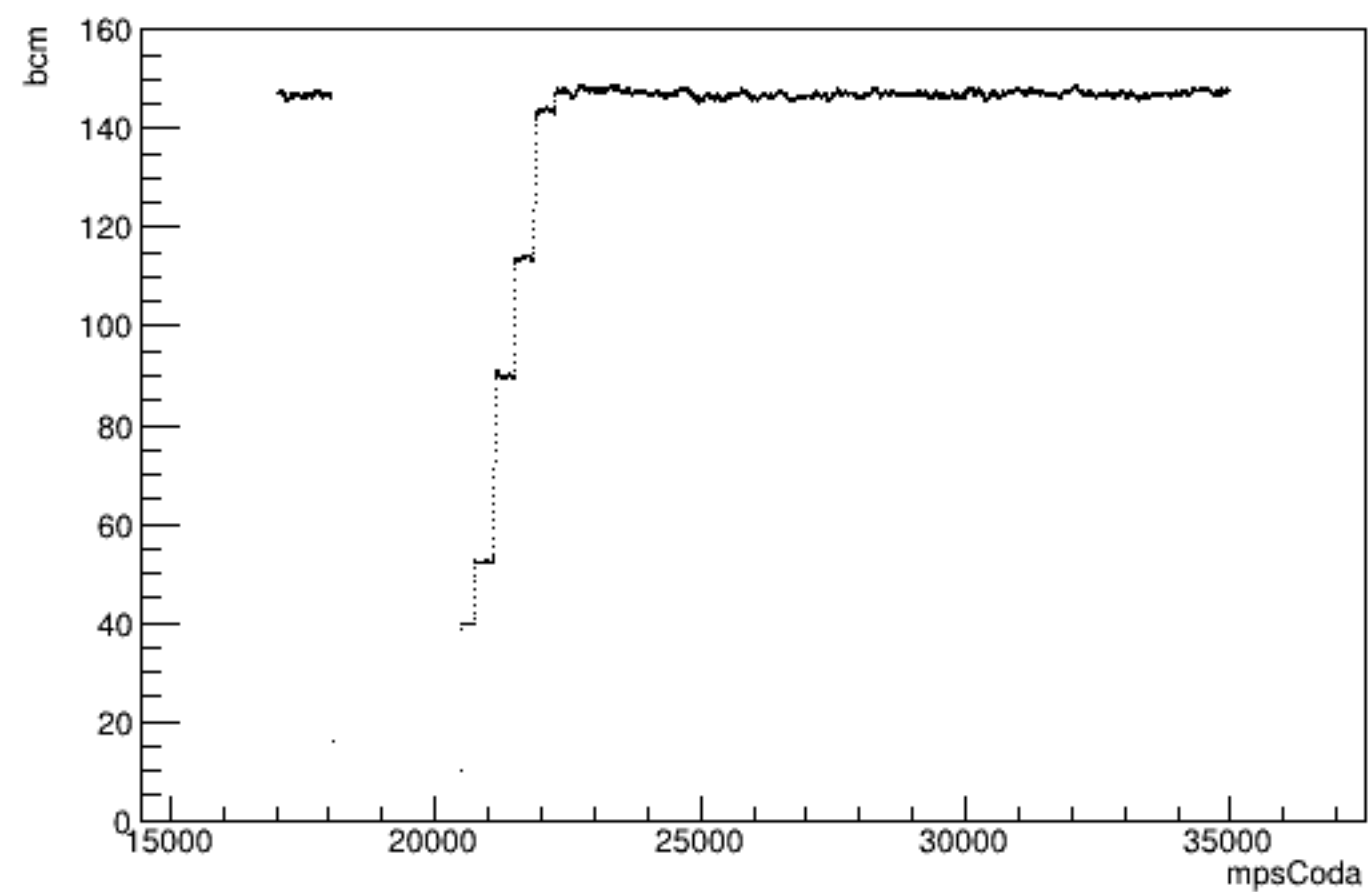
beamState + 1:mpsCoda {mpsCoda&gt;=17019 &amp;&amp; mpsCoda&lt;=34962}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=17019 &amp;&amp; mpsCoda&lt;=34962}



bcm:mpsCoda {mpsCoda&gt;=17019 &amp;&amp; mpsCoda&lt;=34962}



## Cycle 3, Diffs

Entries: 1269

Mean: -0.0005 +/- 0.0104

Std Dev: 0.3700 +/- 0.0073

Entries: 1840

Mean: 0.7874 +/- 0.0117

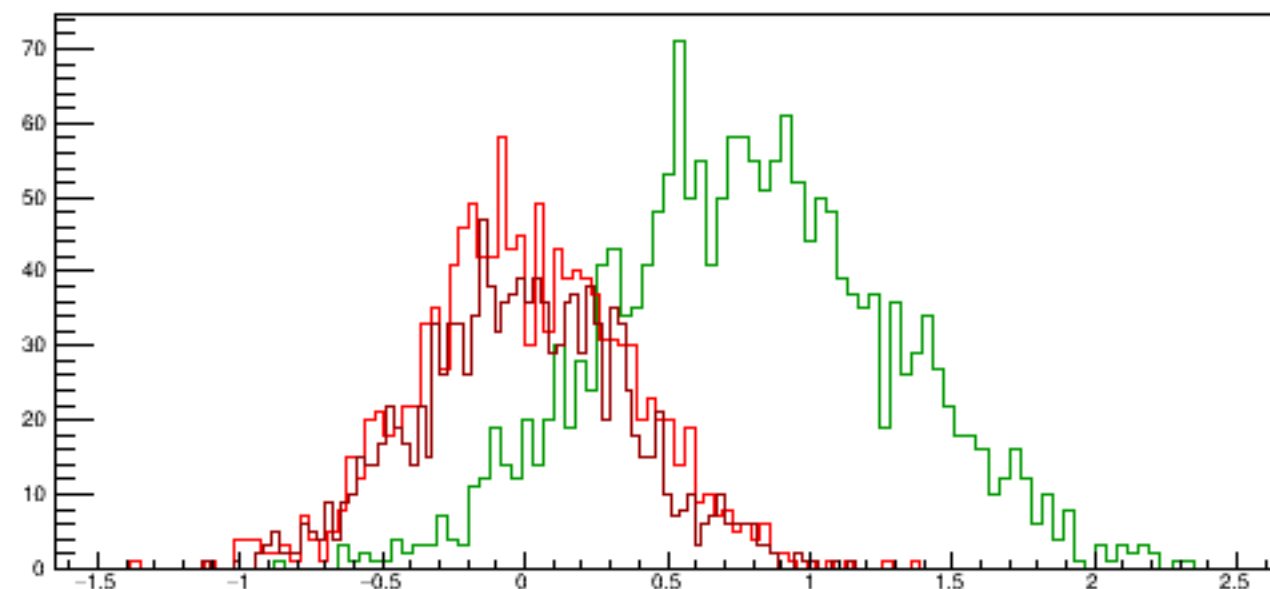
Std Dev: 0.5034 +/- 0.0083

Entries: 1271

Mean: -0.0076 +/- 0.0101

Std Dev: 0.3615 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 3, Sums

Entries: 1269

Mean: 5.2535 +/- 0.0106

Std Dev: 0.3760 +/- 0.0075

Entries: 1840

Mean: 30.1925 +/- 0.0279

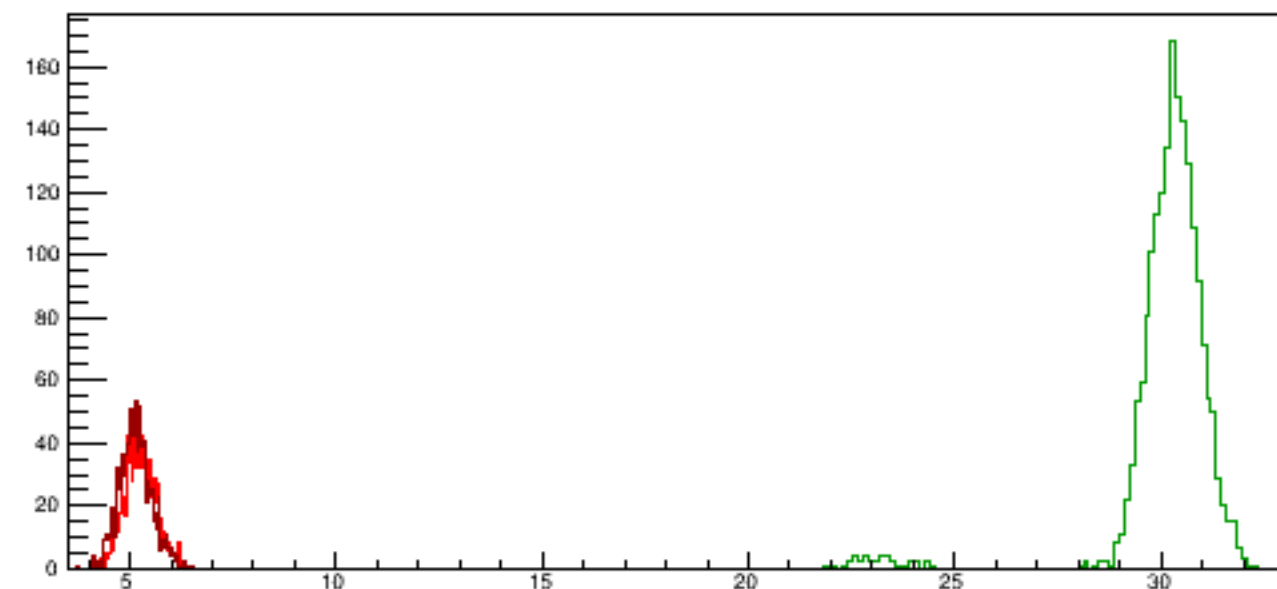
Std Dev: 1.1959 +/- 0.0197

Entries: 1271

Mean: 5.1370 +/- 0.0110

Std Dev: 0.3917 +/- 0.0078

Run 5977 quartetwise, Sums



## Cycle 3, Asyms

Entries: 1269

Mean: -0.0000 +/- 0.0004

Std Dev: 0.0148 +/- 0.0003

Entries: 1840

Mean: 0.0315 +/- 0.0005

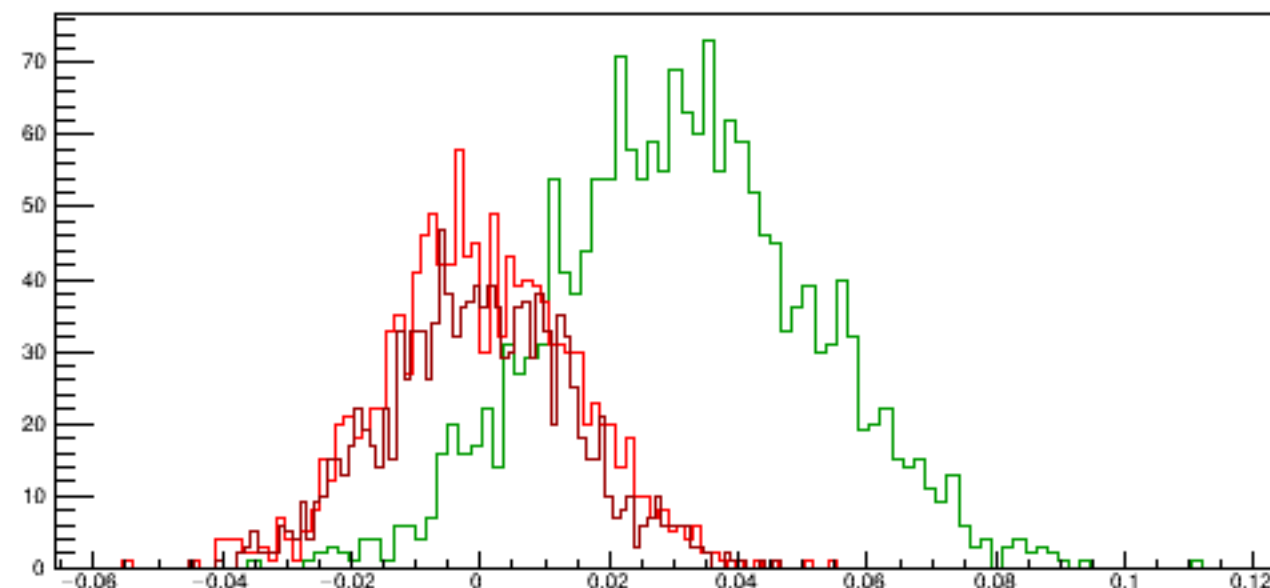
Std Dev: 0.0202 +/- 0.0003

Entries: 1271

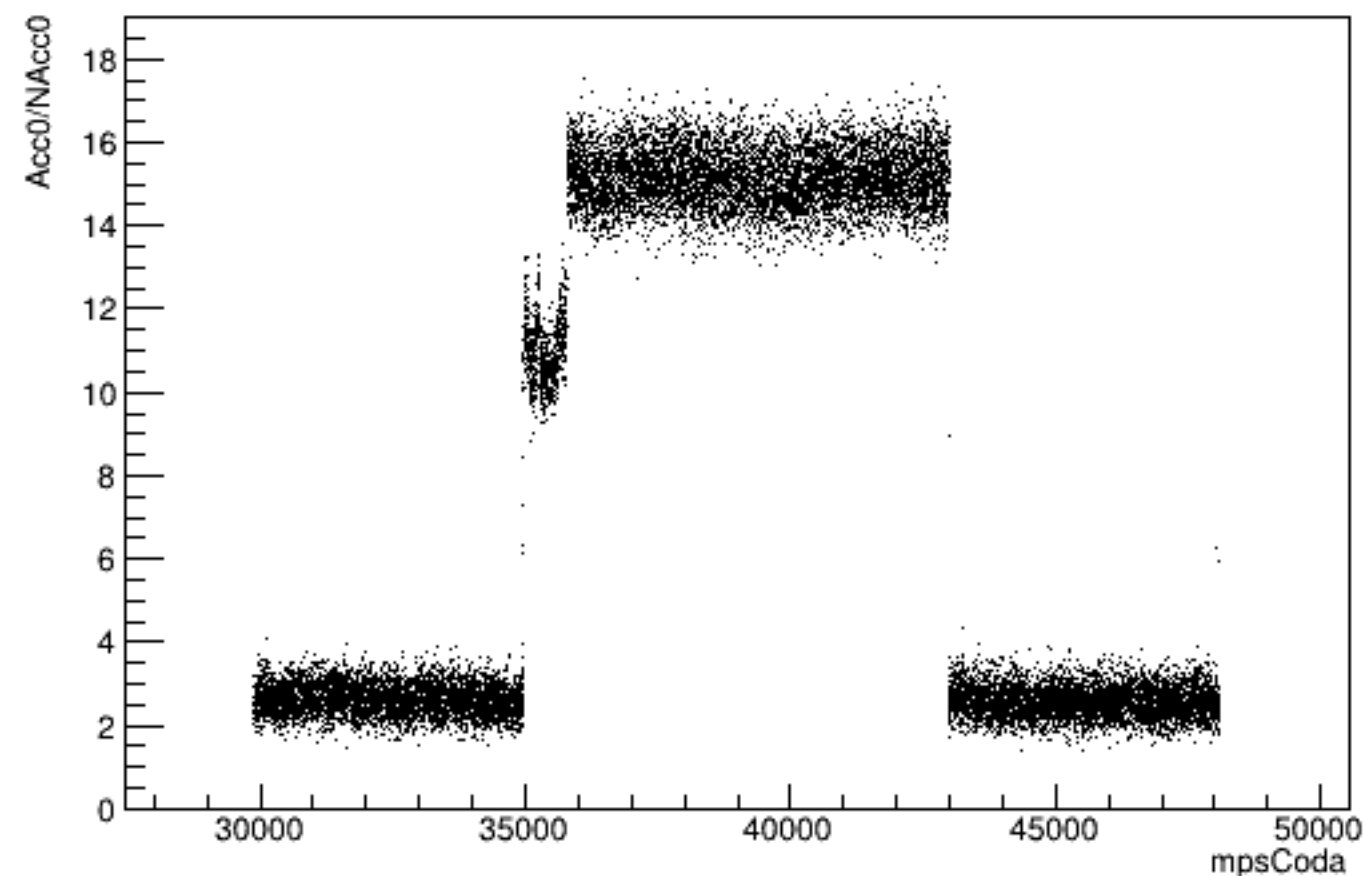
Mean: -0.0003 +/- 0.0004

Std Dev: 0.0145 +/- 0.0003

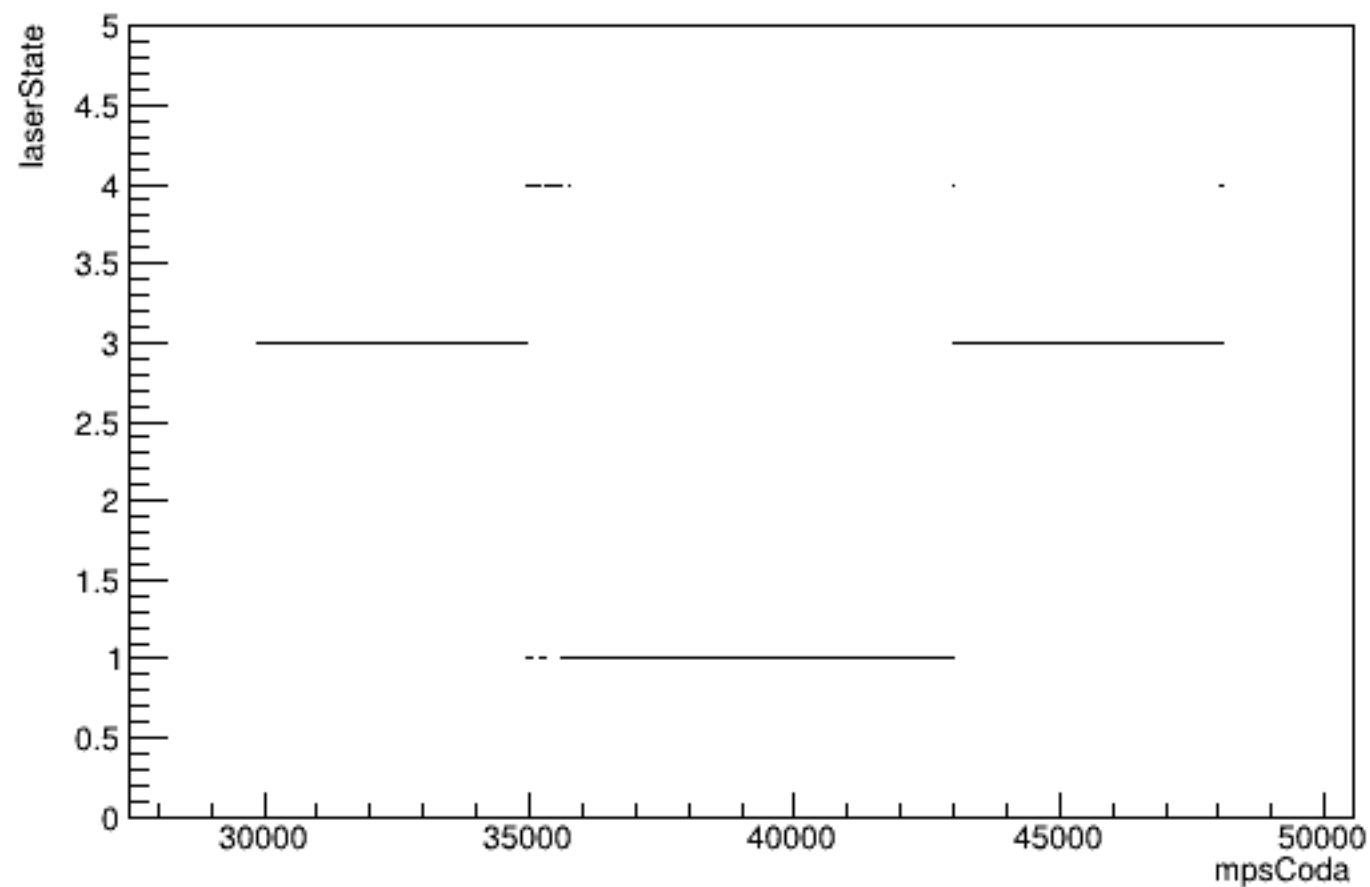
Run 5977 quartetwise, Asyms



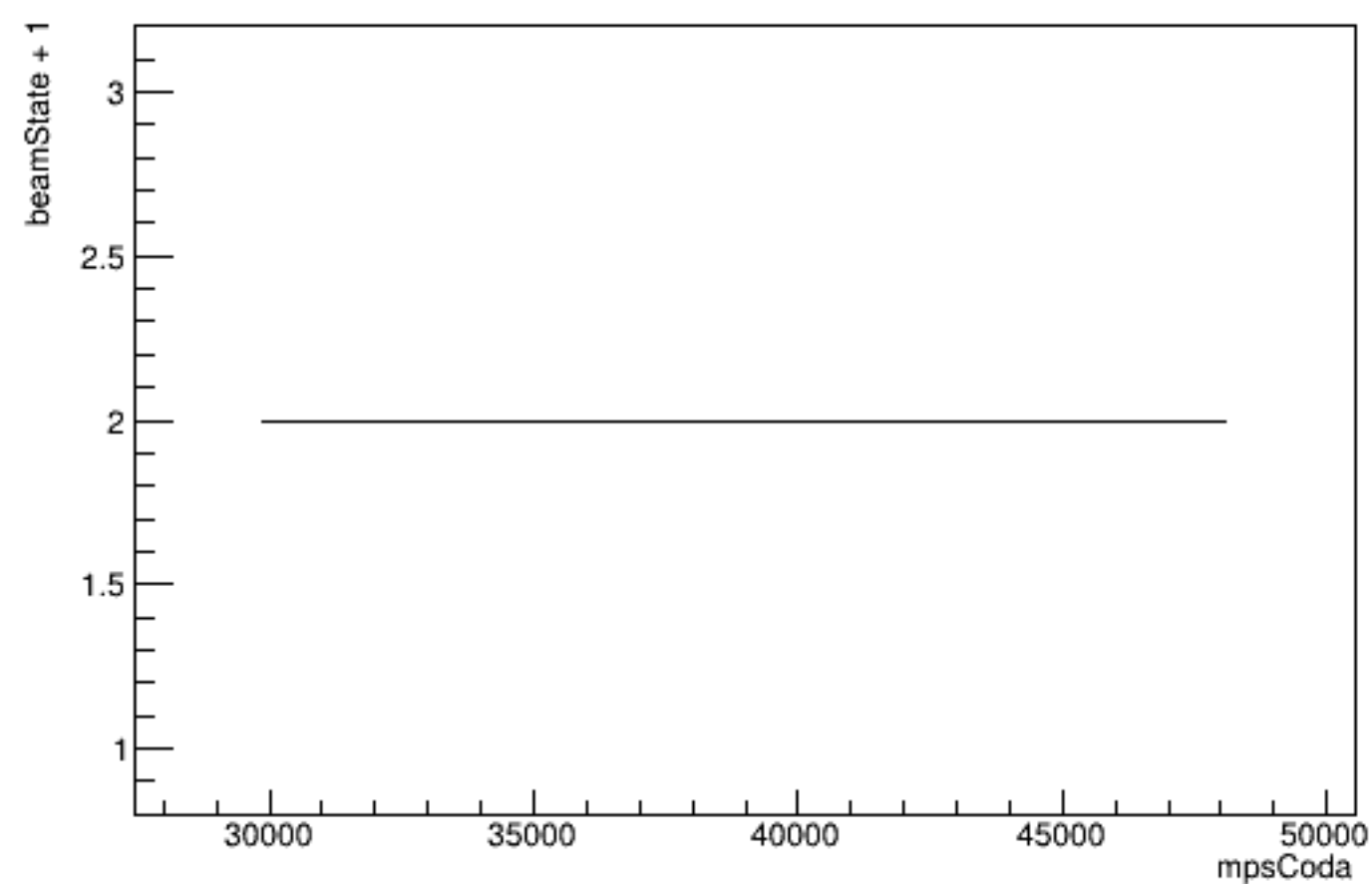
Acc0/NAcc0:mpsCoda {mpsCoda>=29883 && mpsCoda<=48086 && beamState==1}



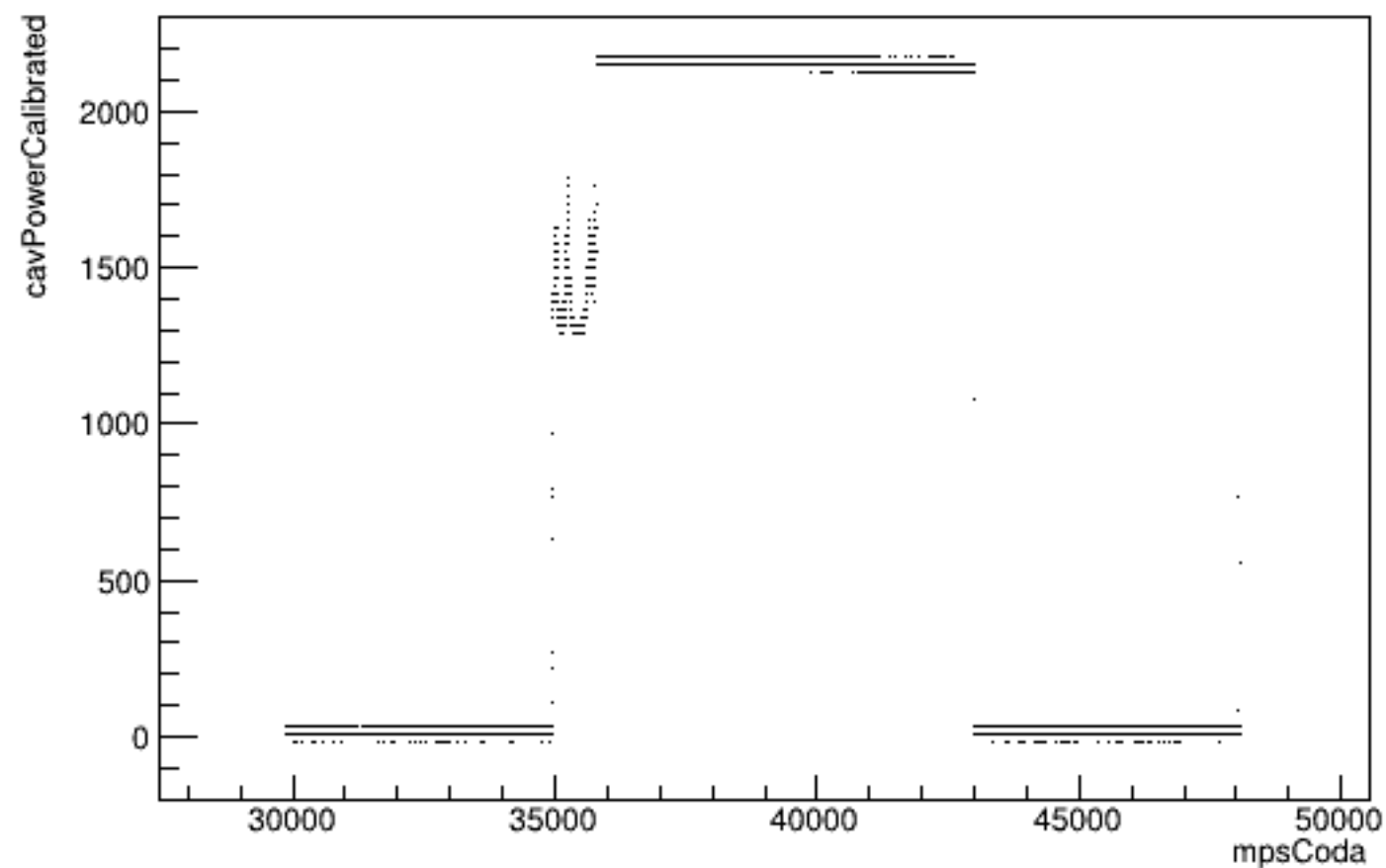
laserState:mpsCoda {mpsCoda&gt;=29883 &amp;&amp; mpsCoda&lt;=48086}



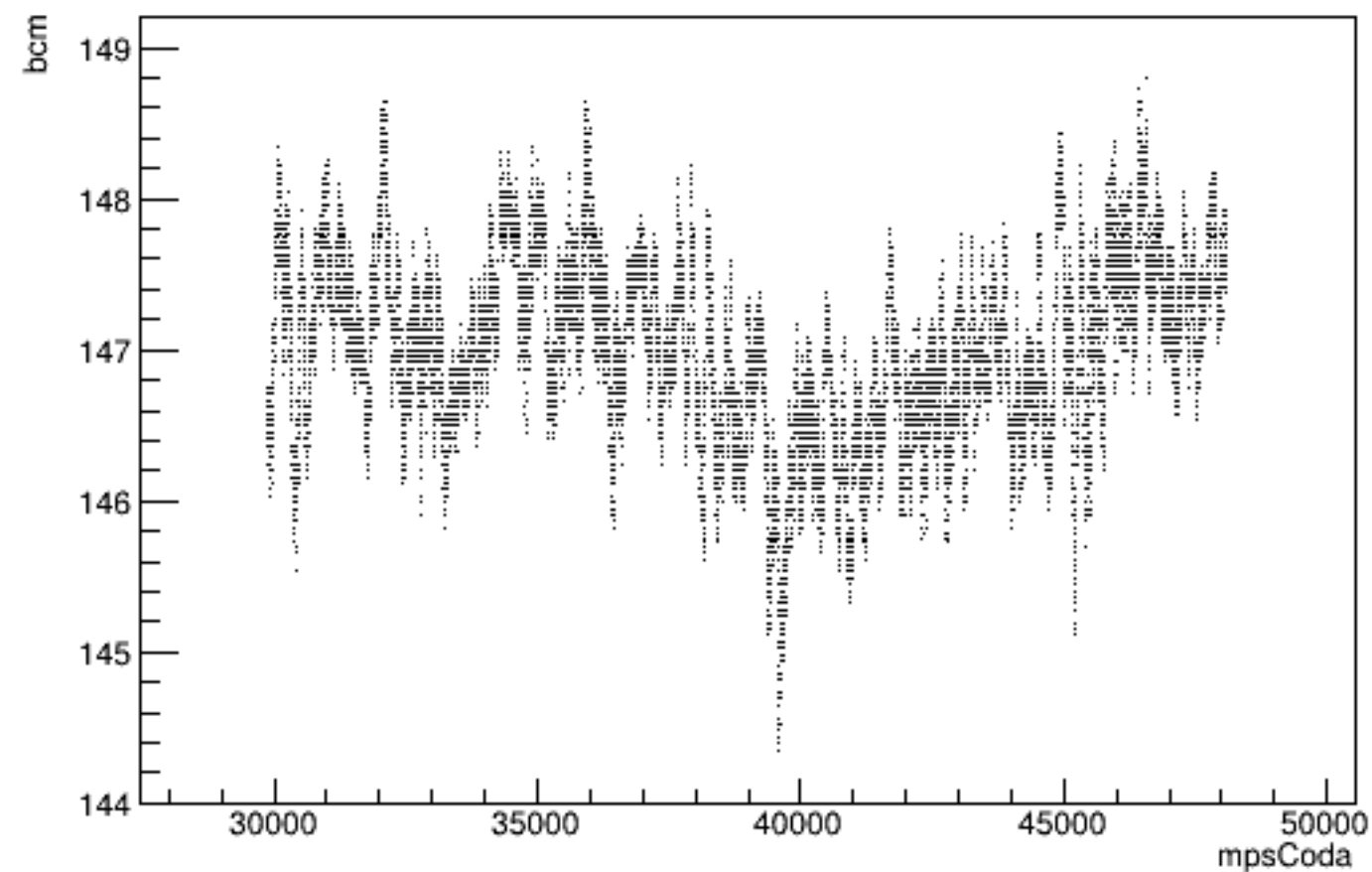
beamState + 1:mpsCoda {mpsCoda&gt;=29883 &amp;&amp; mpsCoda&lt;=48086}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=29883 &amp;&amp; mpsCoda&lt;=48086}



bcm:mpsCoda {mpsCoda&gt;=29883 &amp;&amp; mpsCoda&lt;=48086}



## Cycle 4, Diffs

Entries: 1270

Mean: 0.0084 +/- 0.0101

Std Dev: 0.3591 +/- 0.0071

Entries: 1832

Mean: 0.7807 +/- 0.0121

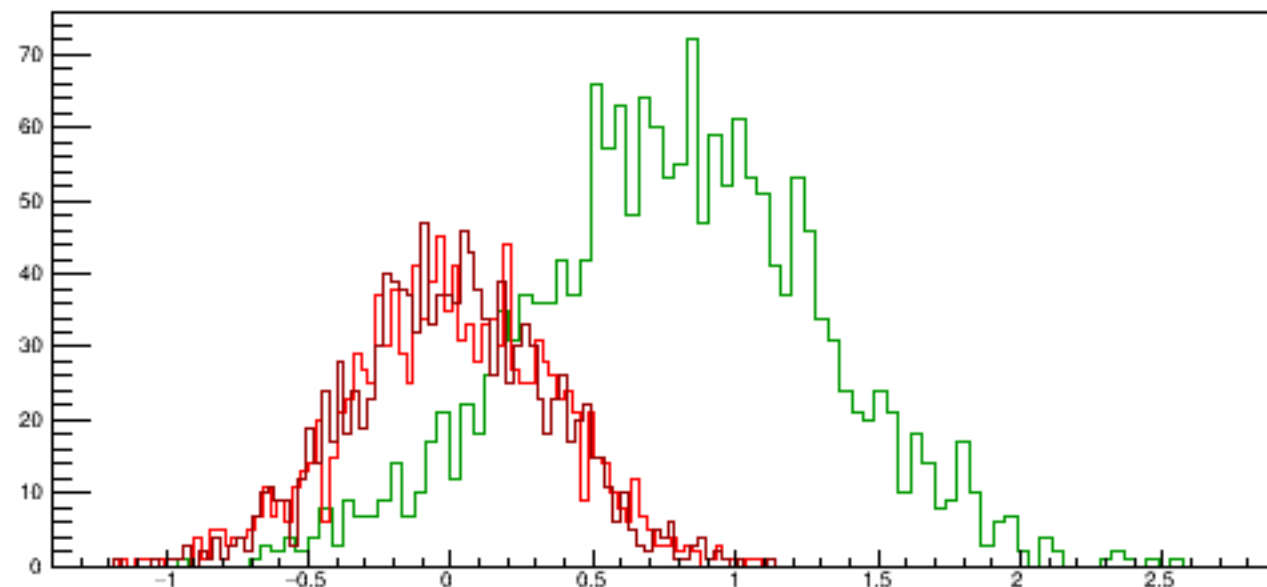
Std Dev: 0.5197 +/- 0.0086

Entries: 1267

Mean: -0.0003 +/- 0.0097

Std Dev: 0.3470 +/- 0.0069

Run 5977 quartetwise, Diffs



## Cycle 4, Sums

Entries: 1270

Mean: 5.3104 +/- 0.0108

Std Dev: 0.3841 +/- 0.0076

Entries: 1832

Mean: 30.1536 +/- 0.0251

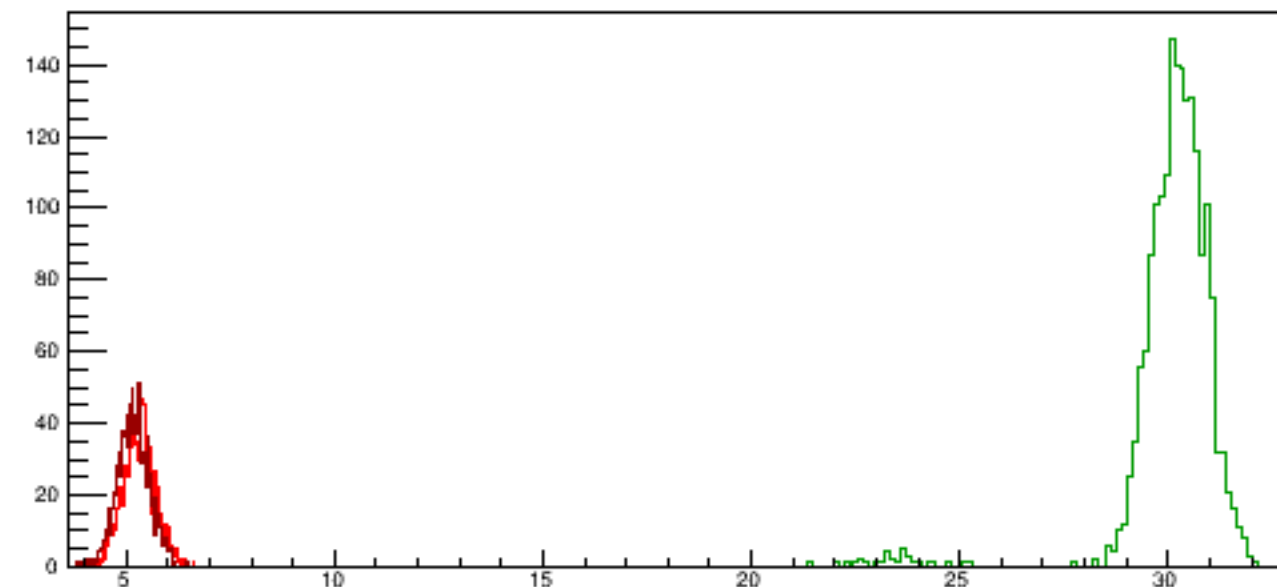
Std Dev: 1.0745 +/- 0.0178

Entries: 1267

Mean: 5.1784 +/- 0.0105

Std Dev: 0.3730 +/- 0.0074

Run 5977 quartetwise, Sums



## Cycle 4, Asyms

Entries: 1270

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

Entries: 1832

Mean: 0.0313 +/- 0.0005

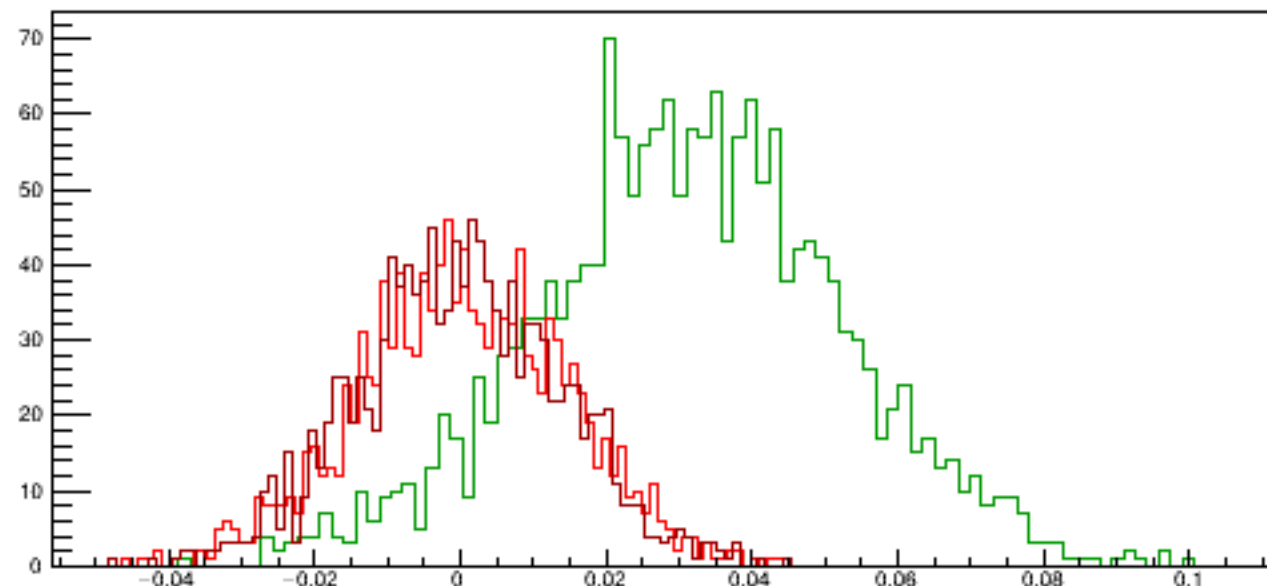
Std Dev: 0.0209 +/- 0.0003

Entries: 1267

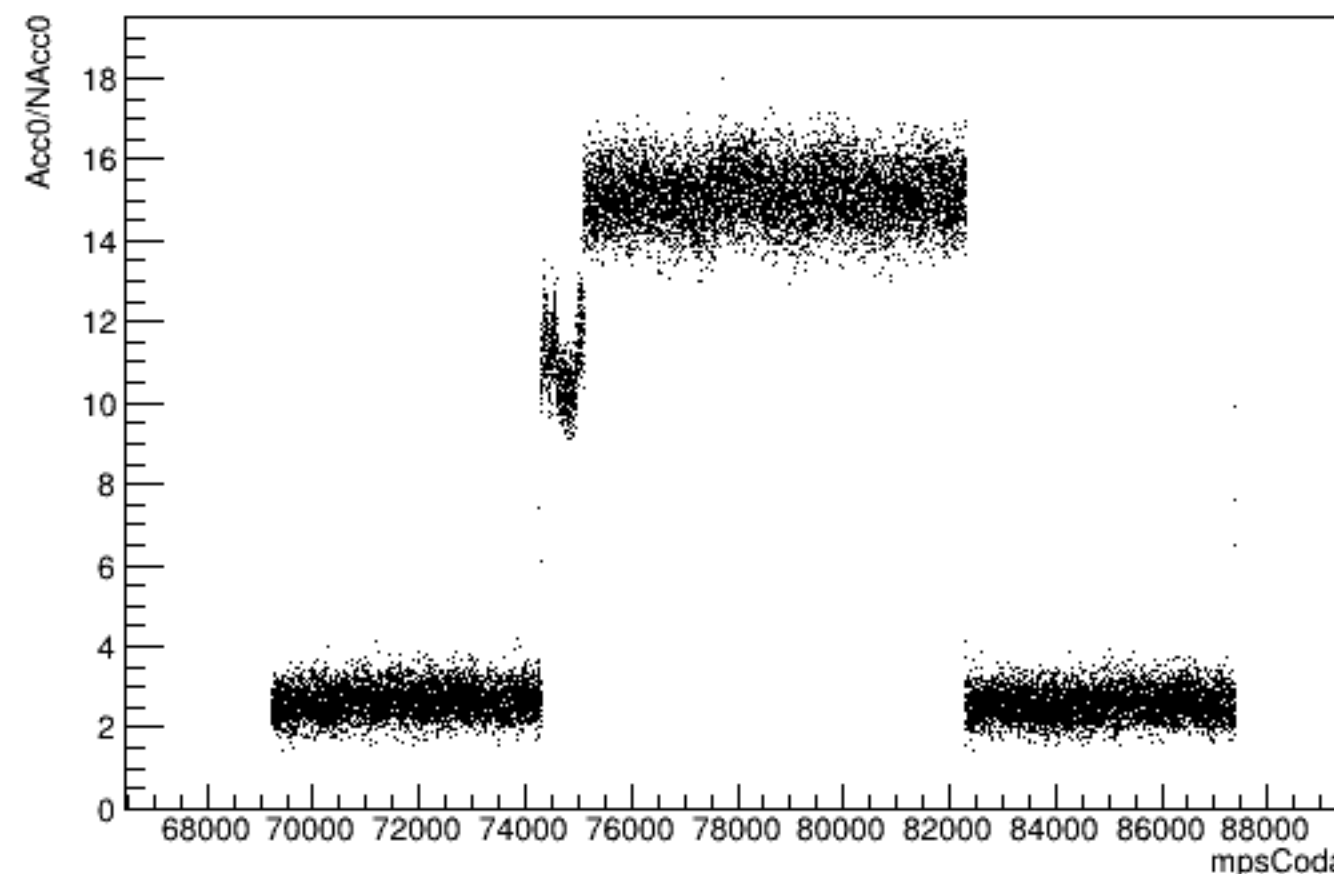
Mean: -0.0000 +/- 0.0004

Std Dev: 0.0139 +/- 0.0003

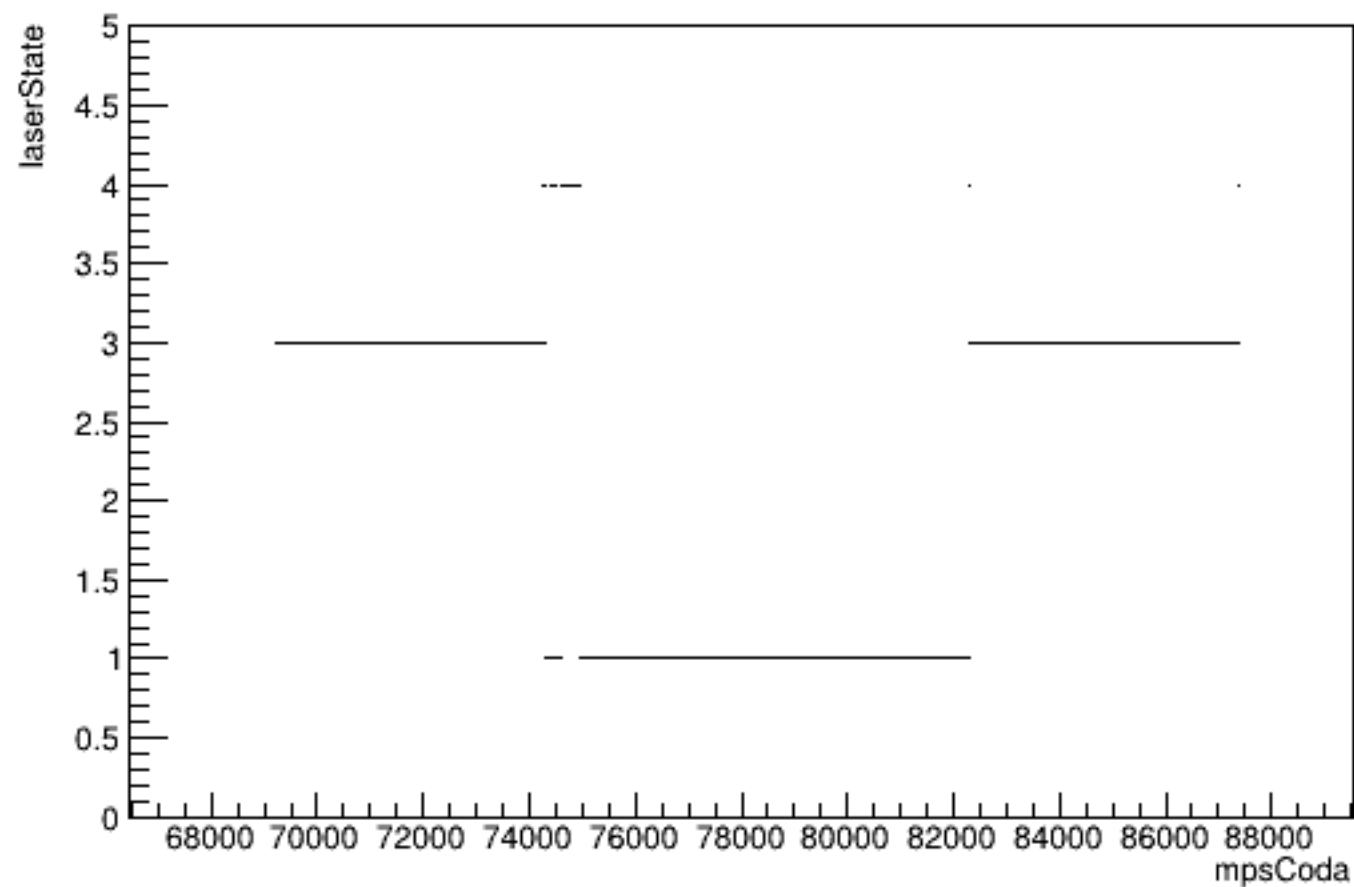
Run 5977 quartetwise, Asyms



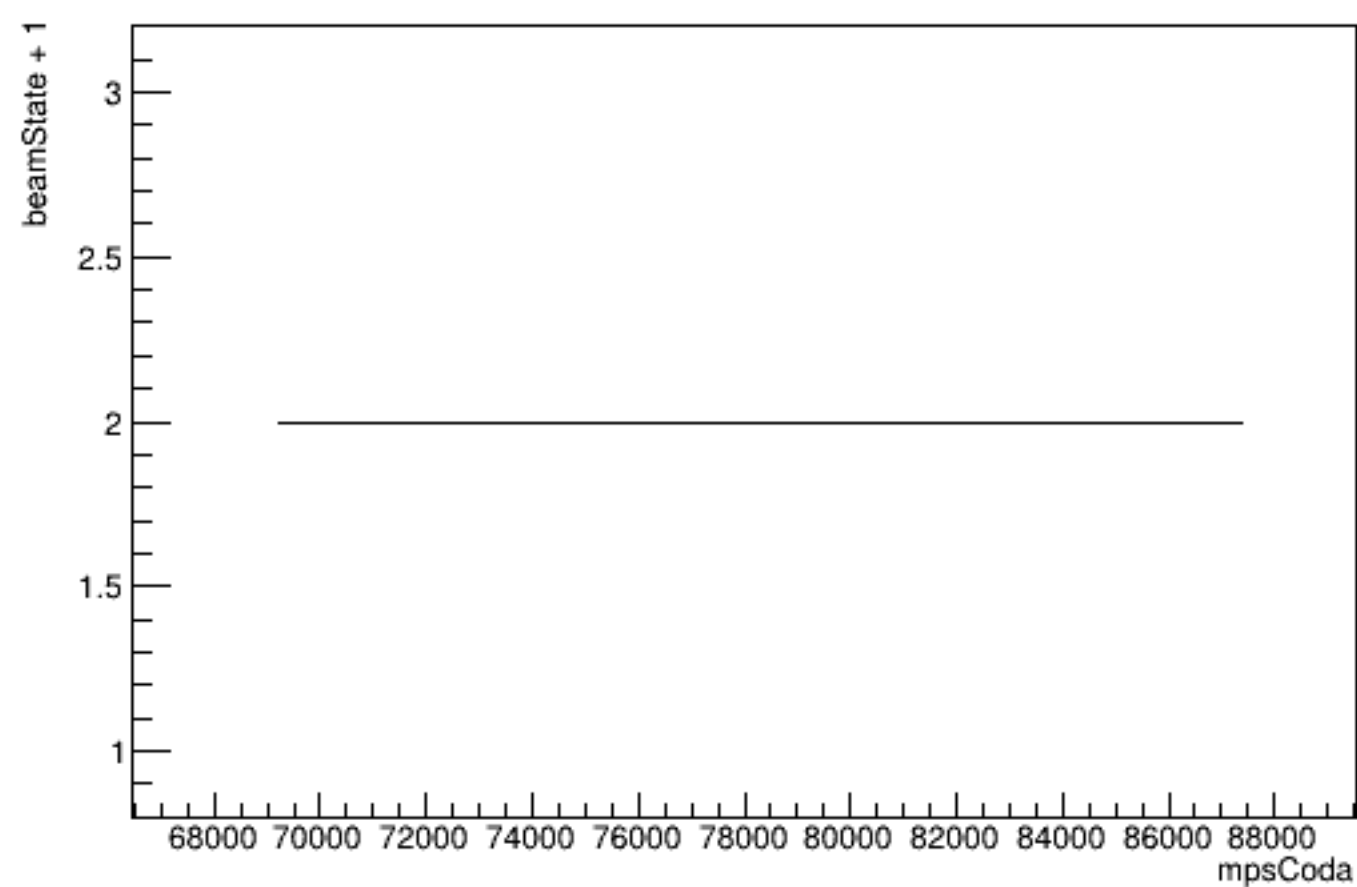
Acc0/NAcc0:mpsCoda {mpsCoda>=69203 && mpsCoda<=87382 && beamState==1}



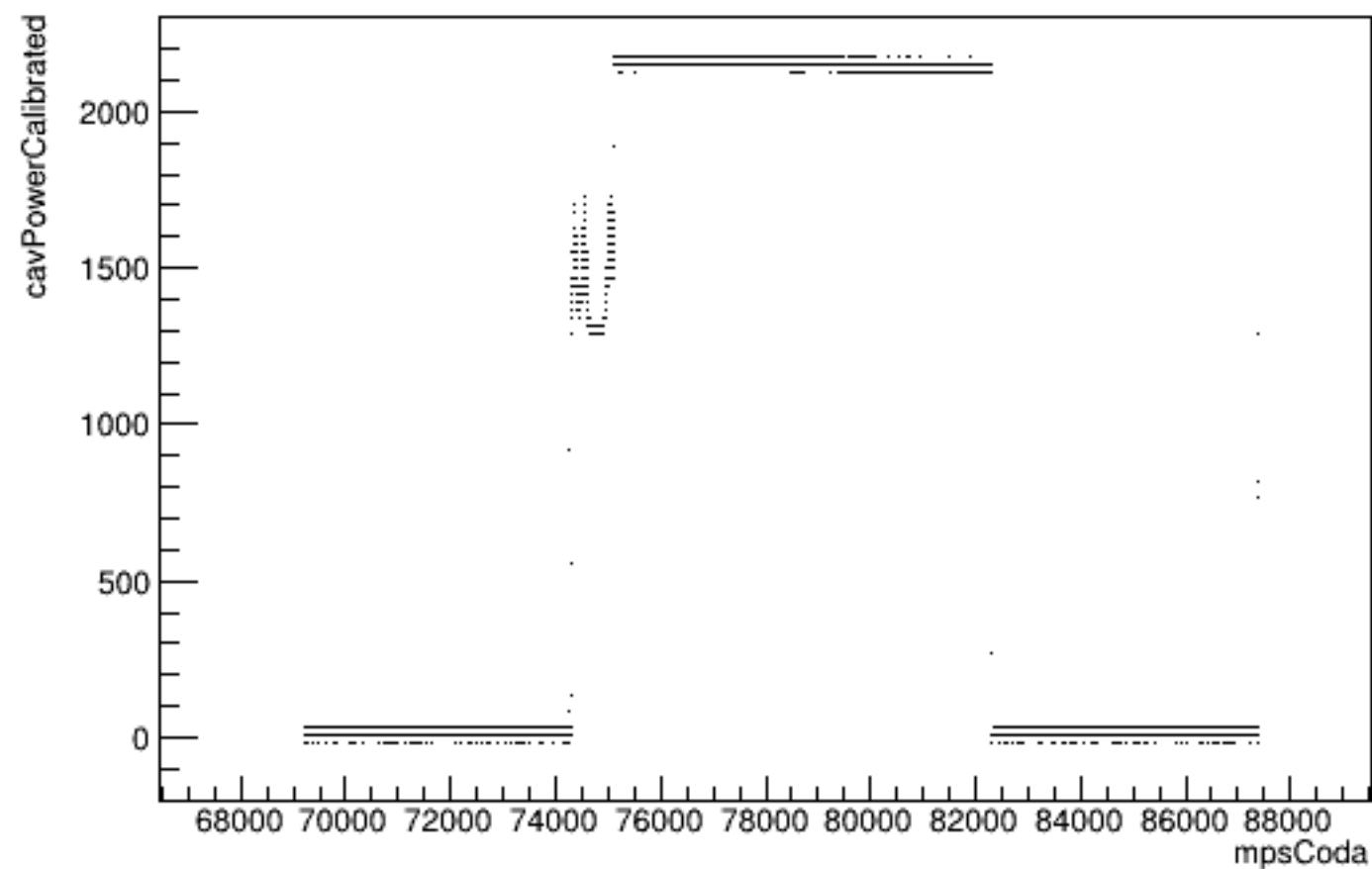
laserState:mpsCoda {mpsCoda&gt;=69203 &amp;&amp; mpsCoda&lt;=87382}



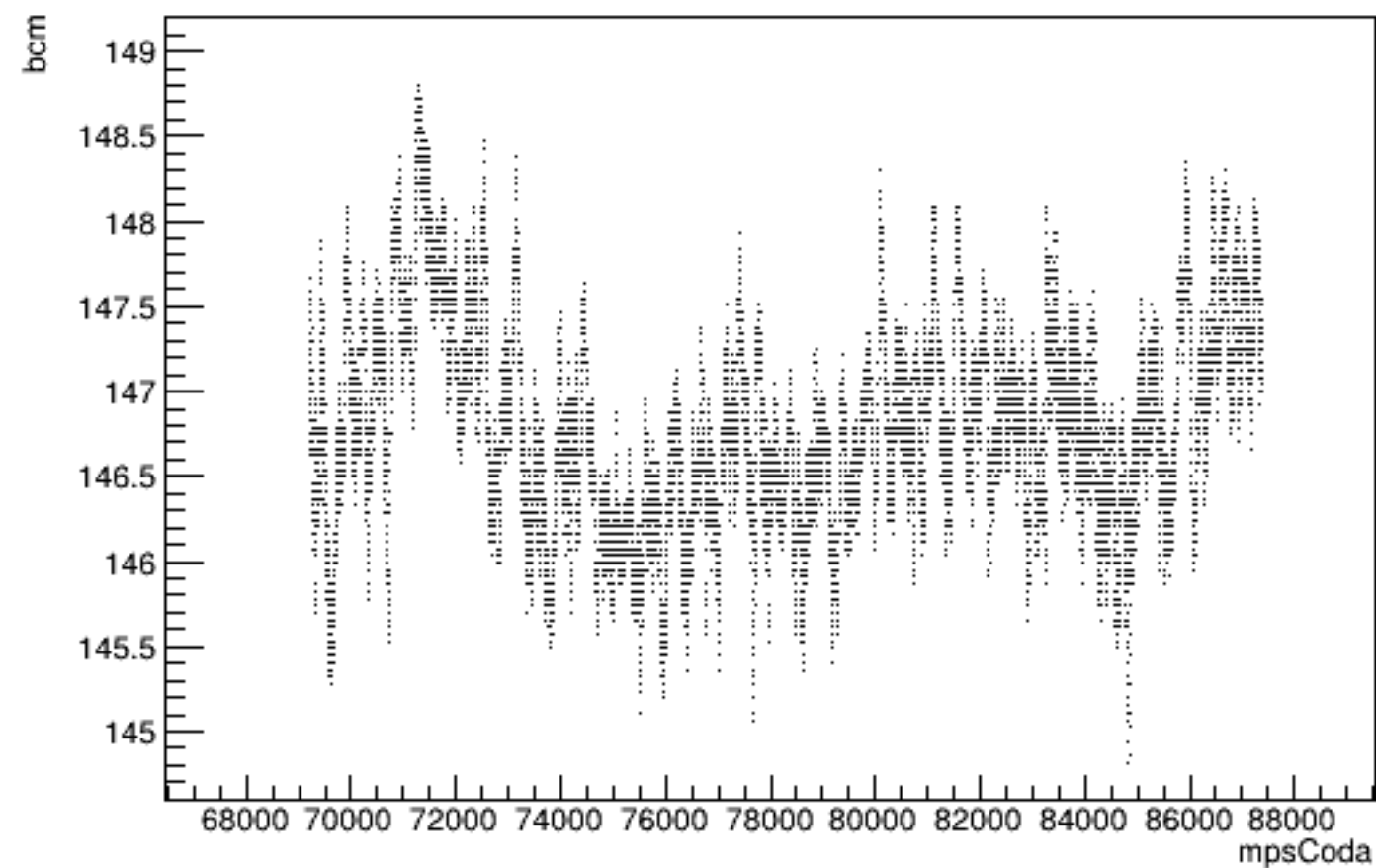
beamState + 1:mpsCoda {mpsCoda&gt;=69203 &amp;&amp; mpsCoda&lt;=87382}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=69203 &amp;&amp; mpsCoda&lt;=87382}



bcm:mpsCoda {mpsCoda&gt;=69203 &amp;&amp; mpsCoda&lt;=87382}



## Cycle 5, Diffs

Entries: 1267

Mean: -0.0003 +/- 0.0097

Std Dev: 0.3470 +/- 0.0069

Entries: 984

Mean: 0.7833 +/- 0.0159

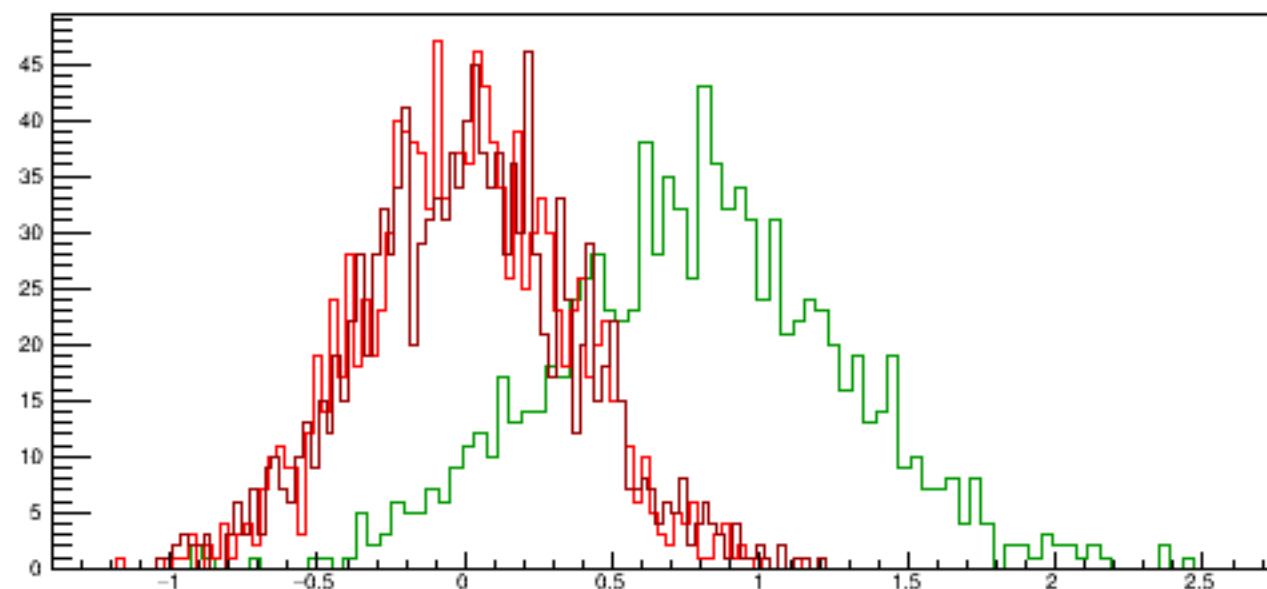
Std Dev: 0.4982 +/- 0.0112

Entries: 1281

Mean: 0.0146 +/- 0.0103

Std Dev: 0.3674 +/- 0.0073

Run 5977 quartetwise, Diffs



## Cycle 5, Sums

Entries: 1267

Mean: 5.1784 +/- 0.0105

Std Dev: 0.3730 +/- 0.0074

Entries: 984

Mean: 29.8701 +/- 0.0618

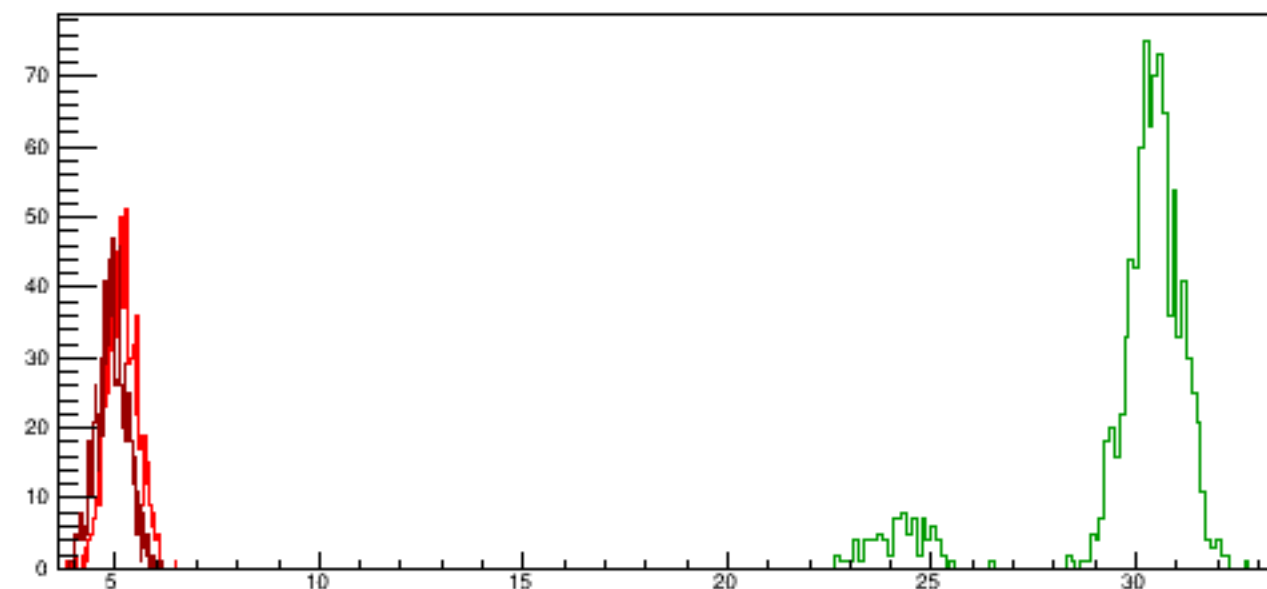
Std Dev: 1.9399 +/- 0.0437

Entries: 1281

Mean: 4.9275 +/- 0.0104

Std Dev: 0.3736 +/- 0.0074

Run 5977 quartetwise, Sums



## Cycle 5, Asyms

Entries: 1267

Mean: -0.0000 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

Entries: 984

Mean: 0.0316 +/- 0.0006

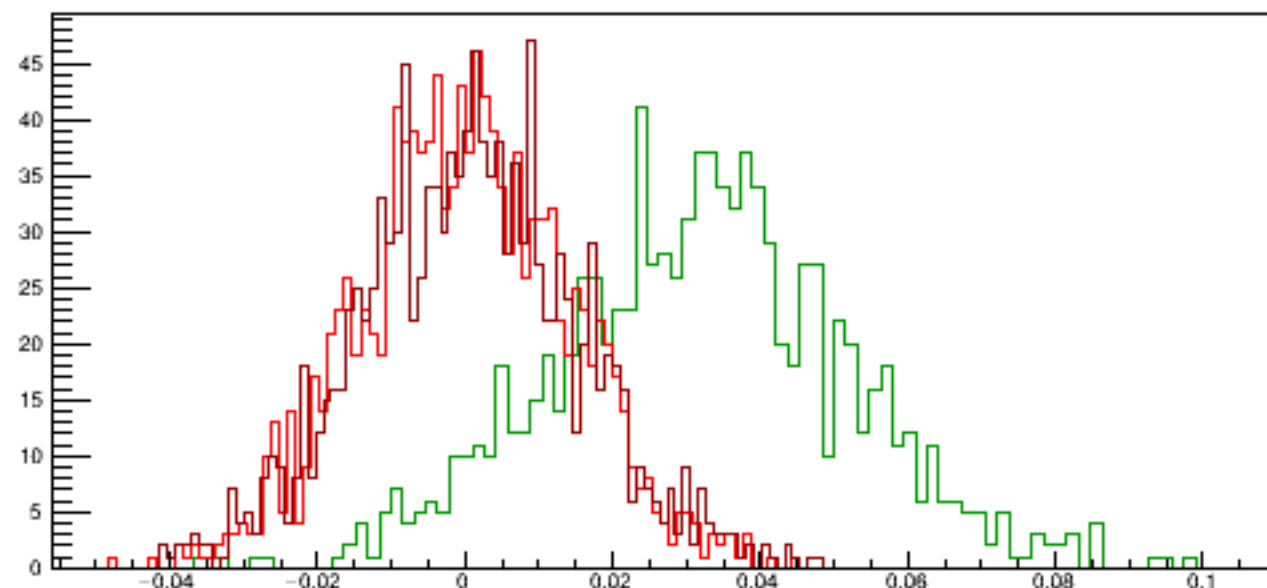
Std Dev: 0.0201 +/- 0.0005

Entries: 1281

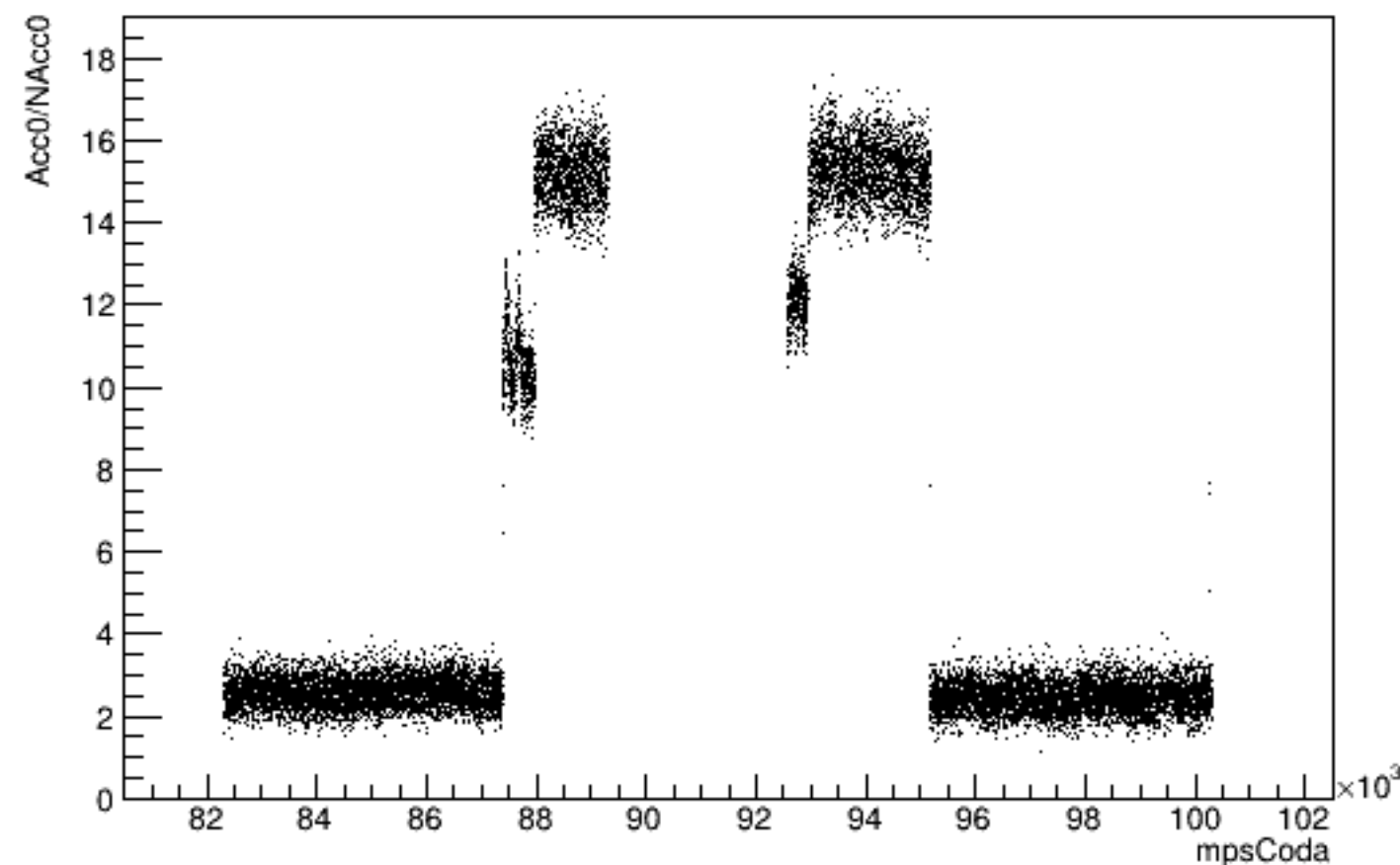
Mean: 0.0006 +/- 0.0004

Std Dev: 0.0148 +/- 0.0003

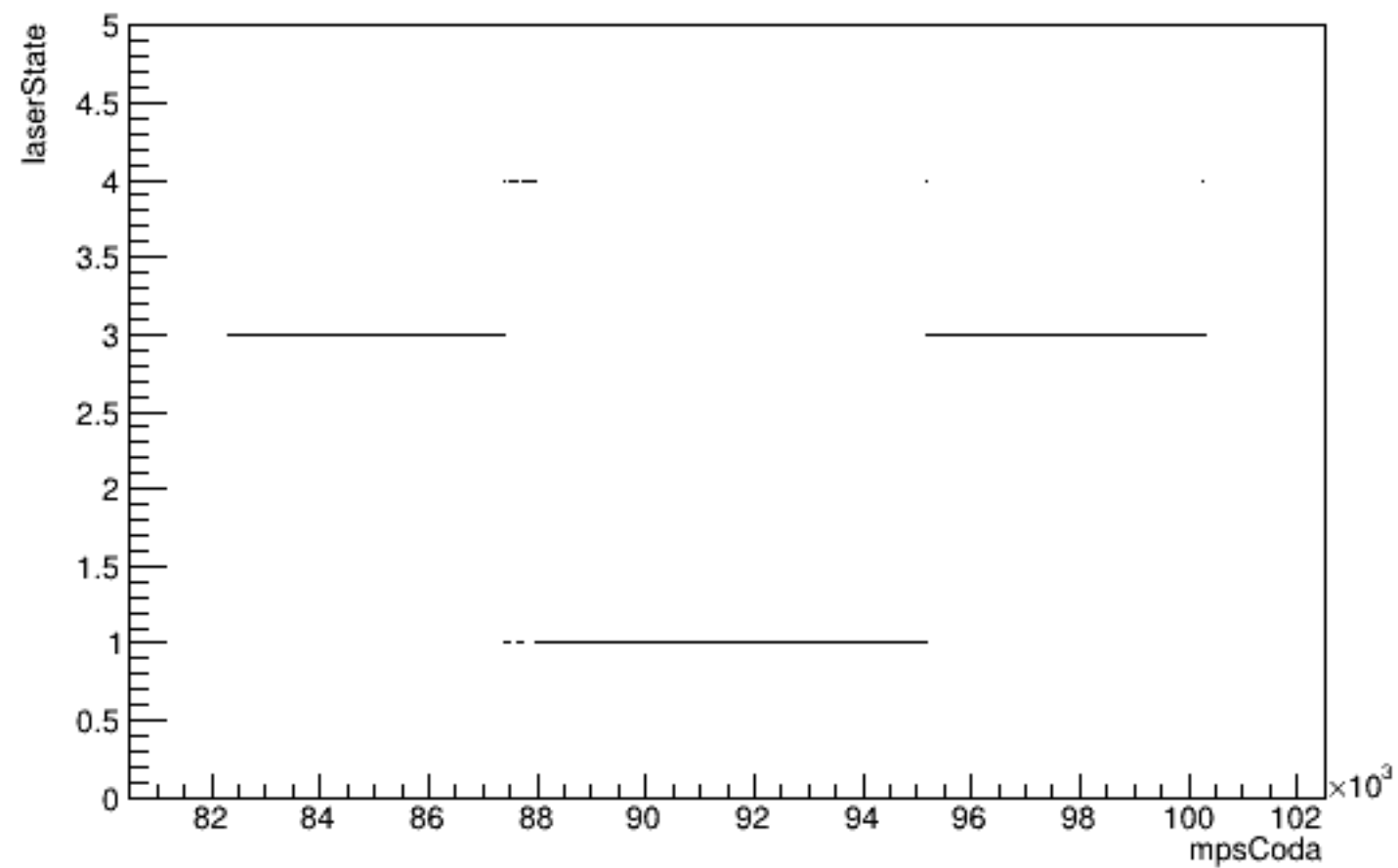
Run 5977 quartetwise, Asyms



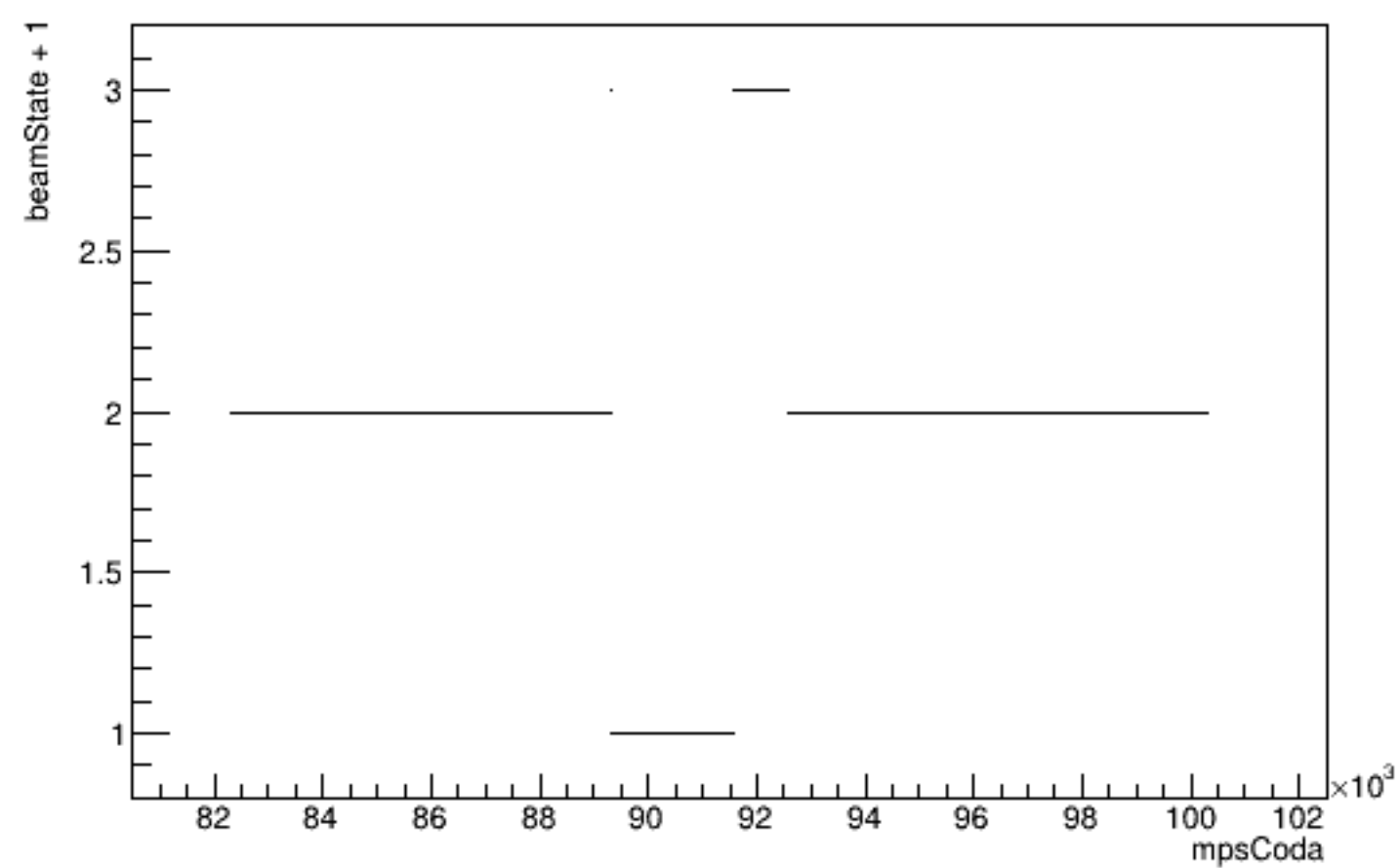
Acc0/NAcc0:mpsCoda {mpsCoda>=82311 && mpsCoda<=100306 && beamState==1}



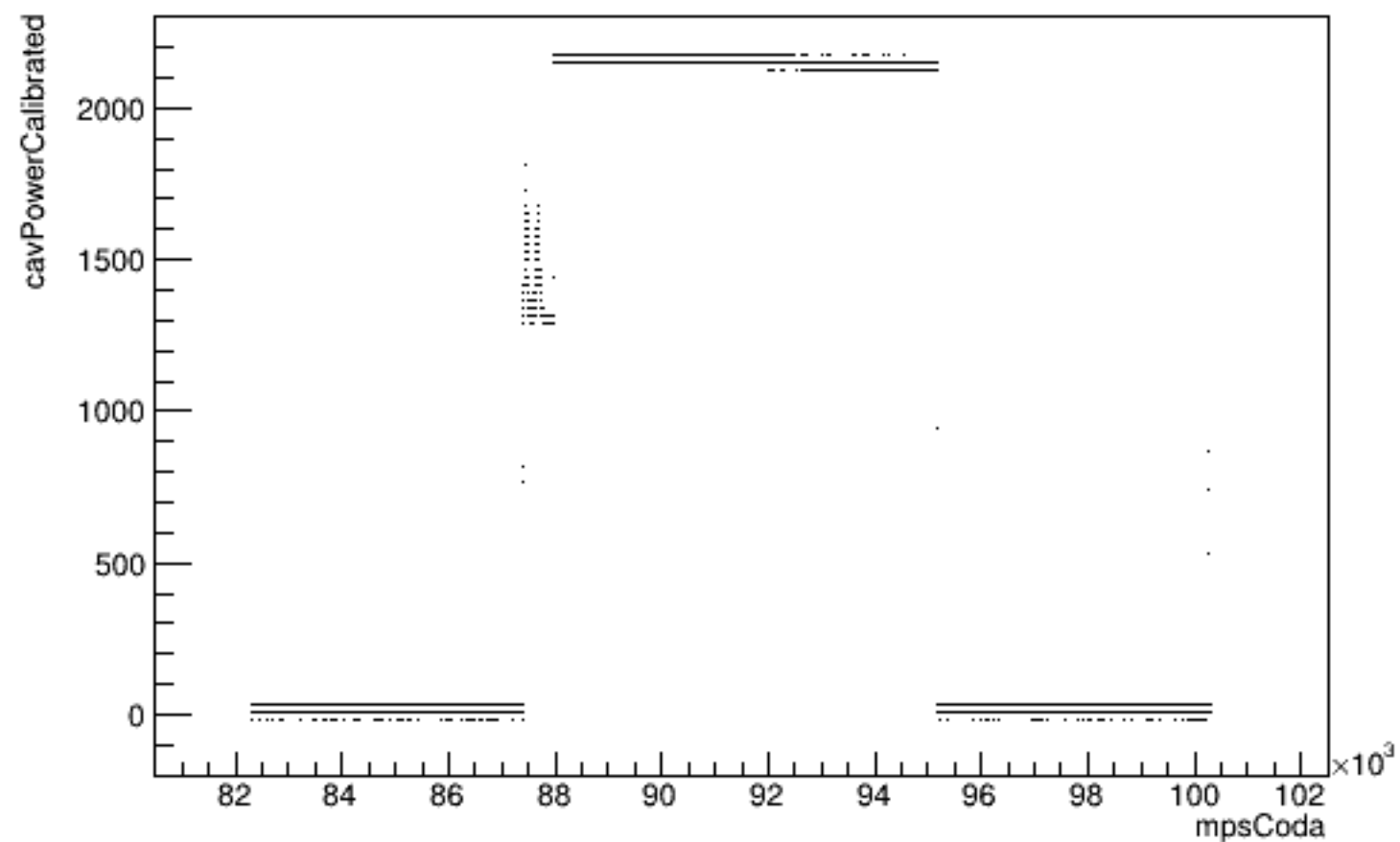
laserState:mpsCoda {mpsCoda&gt;=82311 &amp;&amp; mpsCoda&lt;=100306}



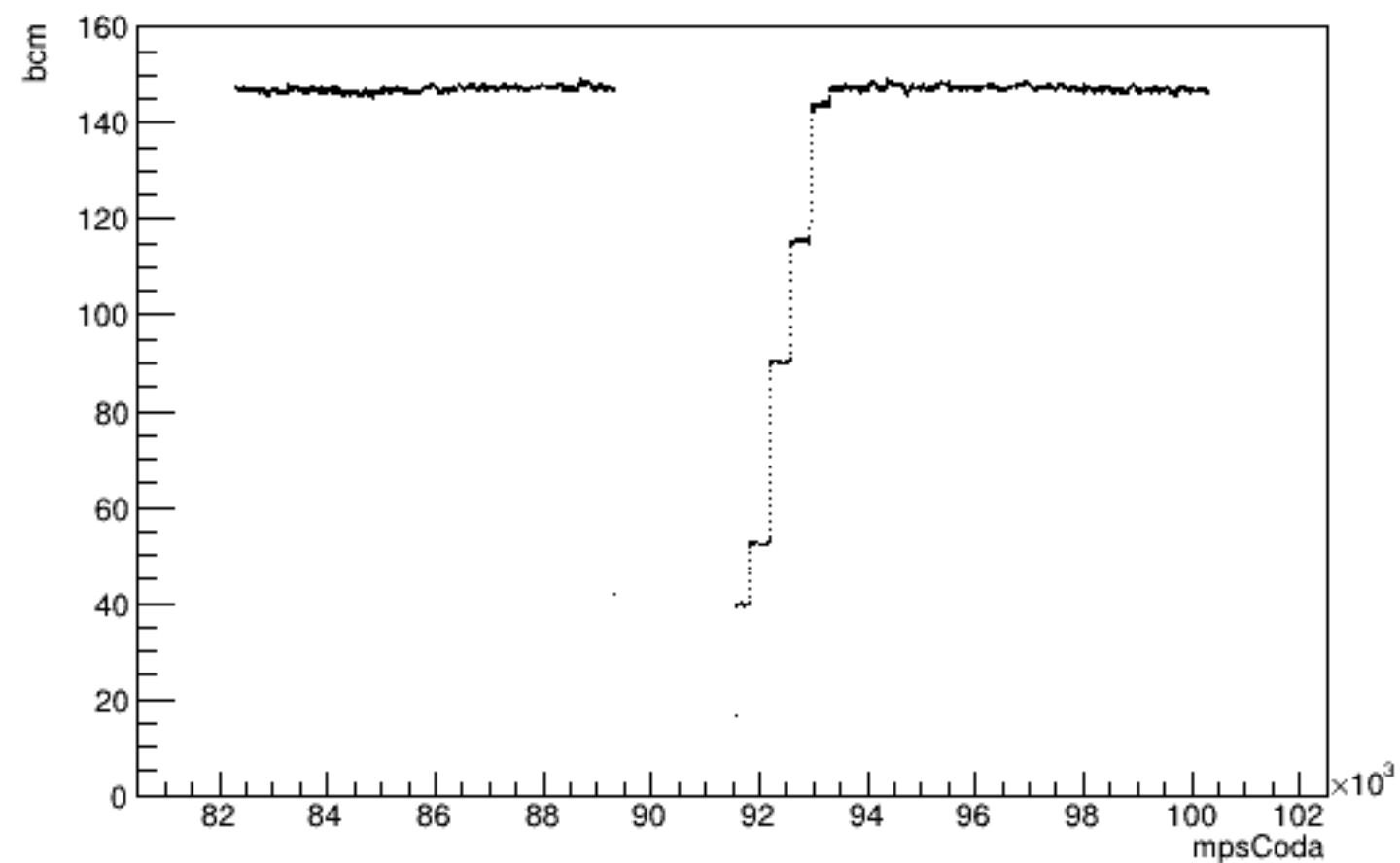
beamState + 1:mpsCoda {mpsCoda&gt;=82311 &amp;&amp; mpsCoda&lt;=100306}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=82311 &amp;&amp; mpsCoda&lt;=100306}



bcm:mpsCoda {mpsCoda&gt;=82311 &amp;&amp; mpsCoda&lt;=100306}



## Cycle 6, Diffs

Entries: 1281

Mean: 0.0146 +/- 0.0103

Std Dev: 0.3674 +/- 0.0073

Entries: 1829

Mean: 0.7802 +/- 0.0122

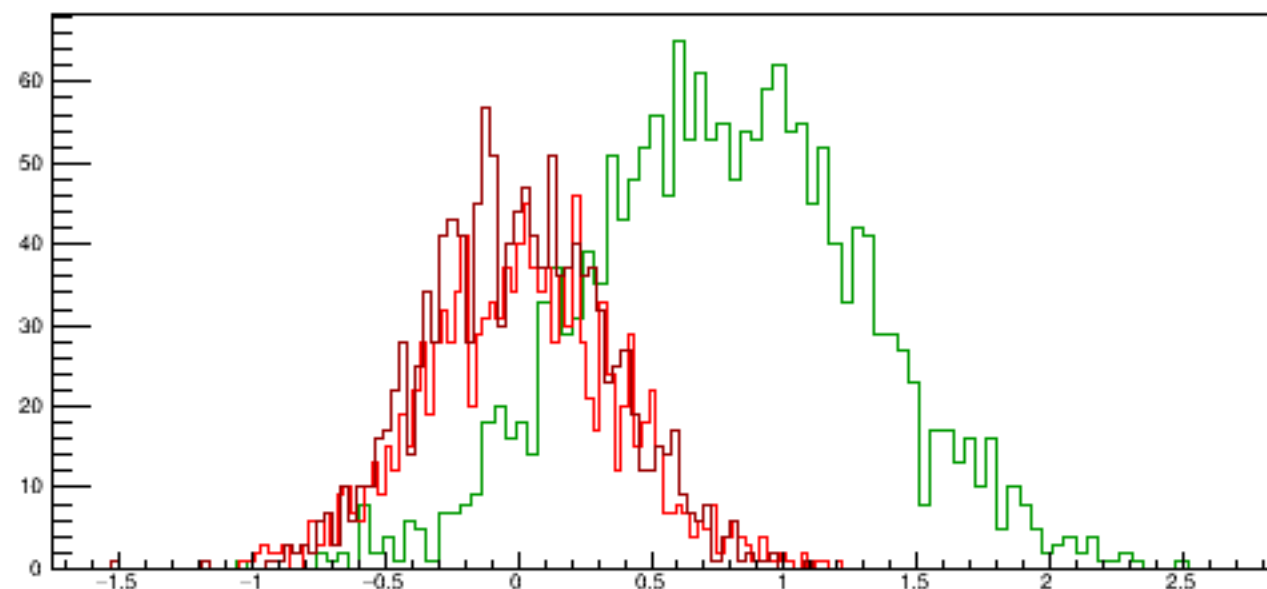
Std Dev: 0.5234 +/- 0.0087

Entries: 1277

Mean: -0.0025 +/- 0.0096

Std Dev: 0.3436 +/- 0.0068

Run 5977 quartetwise, Diffs



## Cycle 6, Sums

Entries: 1281

Mean: 4.9275 +/- 0.0104

Std Dev: 0.3736 +/- 0.0074

Entries: 1829

Mean: 29.9032 +/- 0.0260

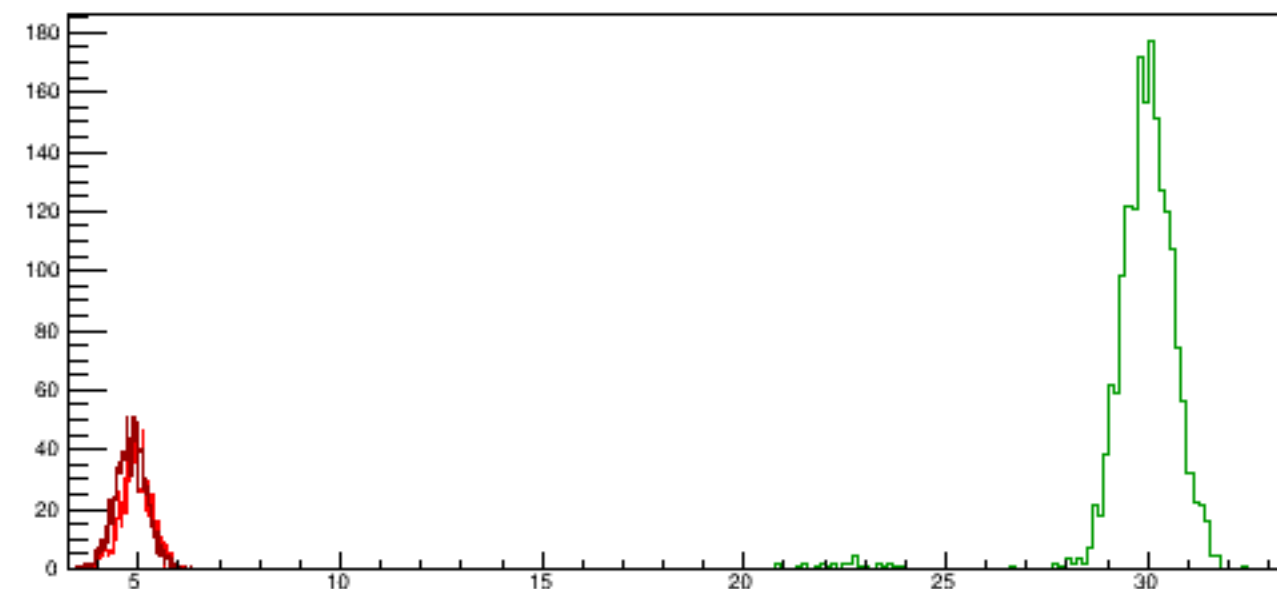
Std Dev: 1.1107 +/- 0.0184

Entries: 1277

Mean: 4.8173 +/- 0.0108

Std Dev: 0.3873 +/- 0.0077

Run 5977 quartetwise, Sums



## Cycle 6, Asyms

Entries: 1281

Mean: 0.0006 +/- 0.0004

Std Dev: 0.0147 +/- 0.0003

Entries: 1829

Mean: 0.0312 +/- 0.0005

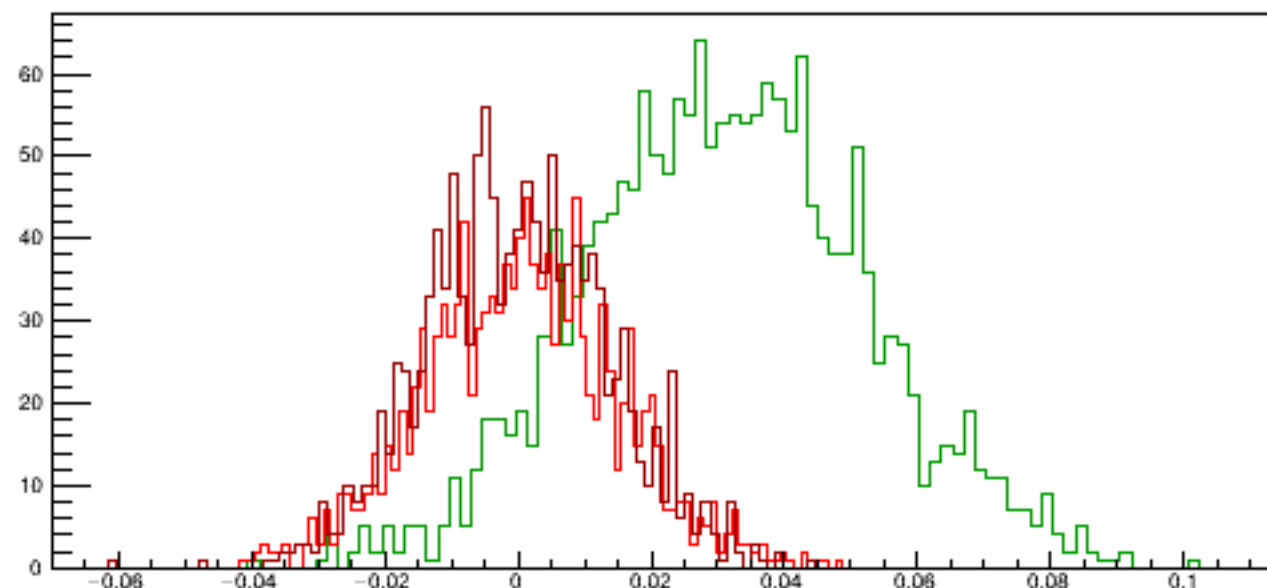
Std Dev: 0.0210 +/- 0.0003

Entries: 1277

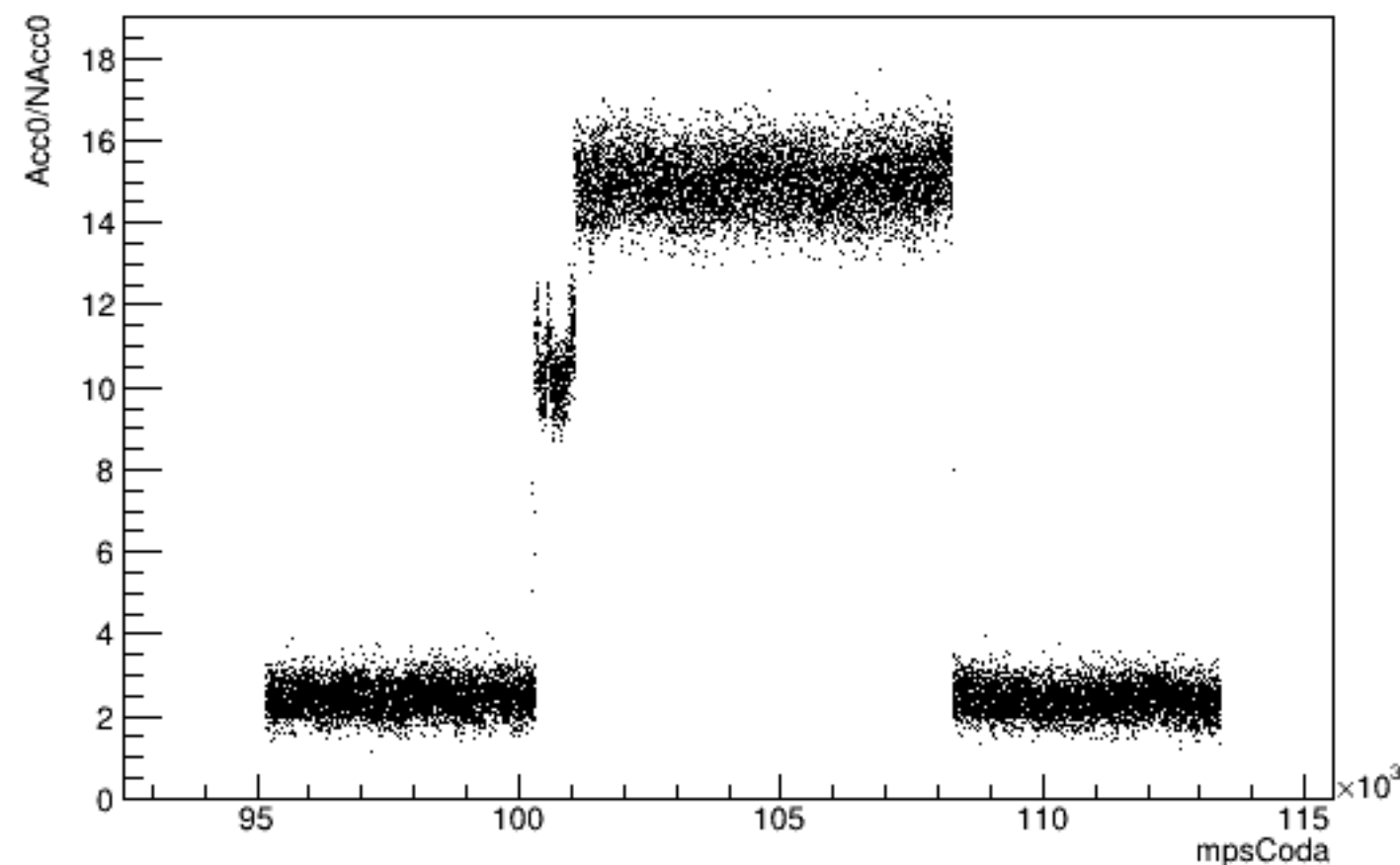
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0137 +/- 0.0003

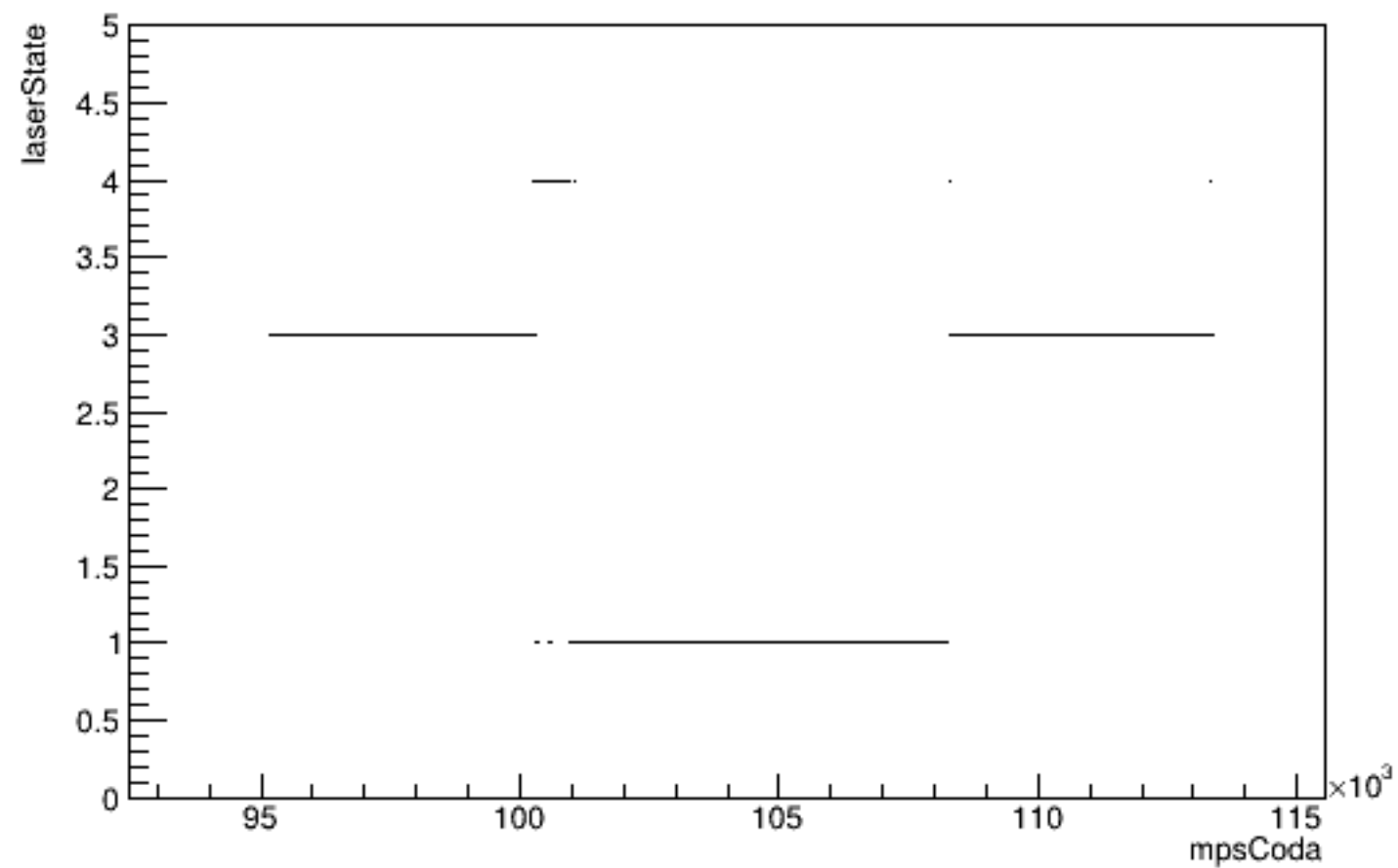
Run 5977 quartetwise, Asyms



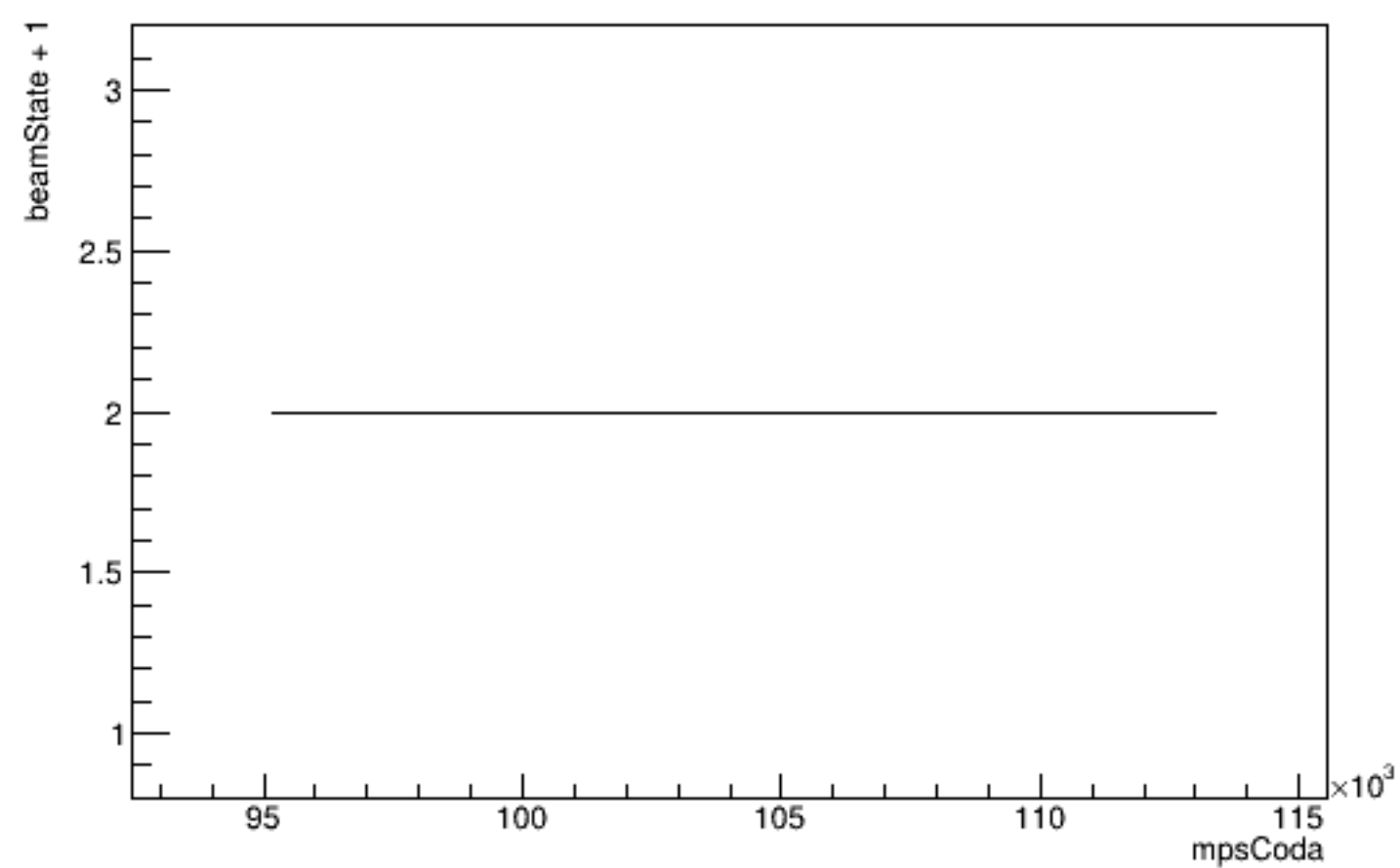
Acc0/NAcc0:mpsCoda {mpsCoda>=95175 && mpsCoda<=113390 && beamState==1}



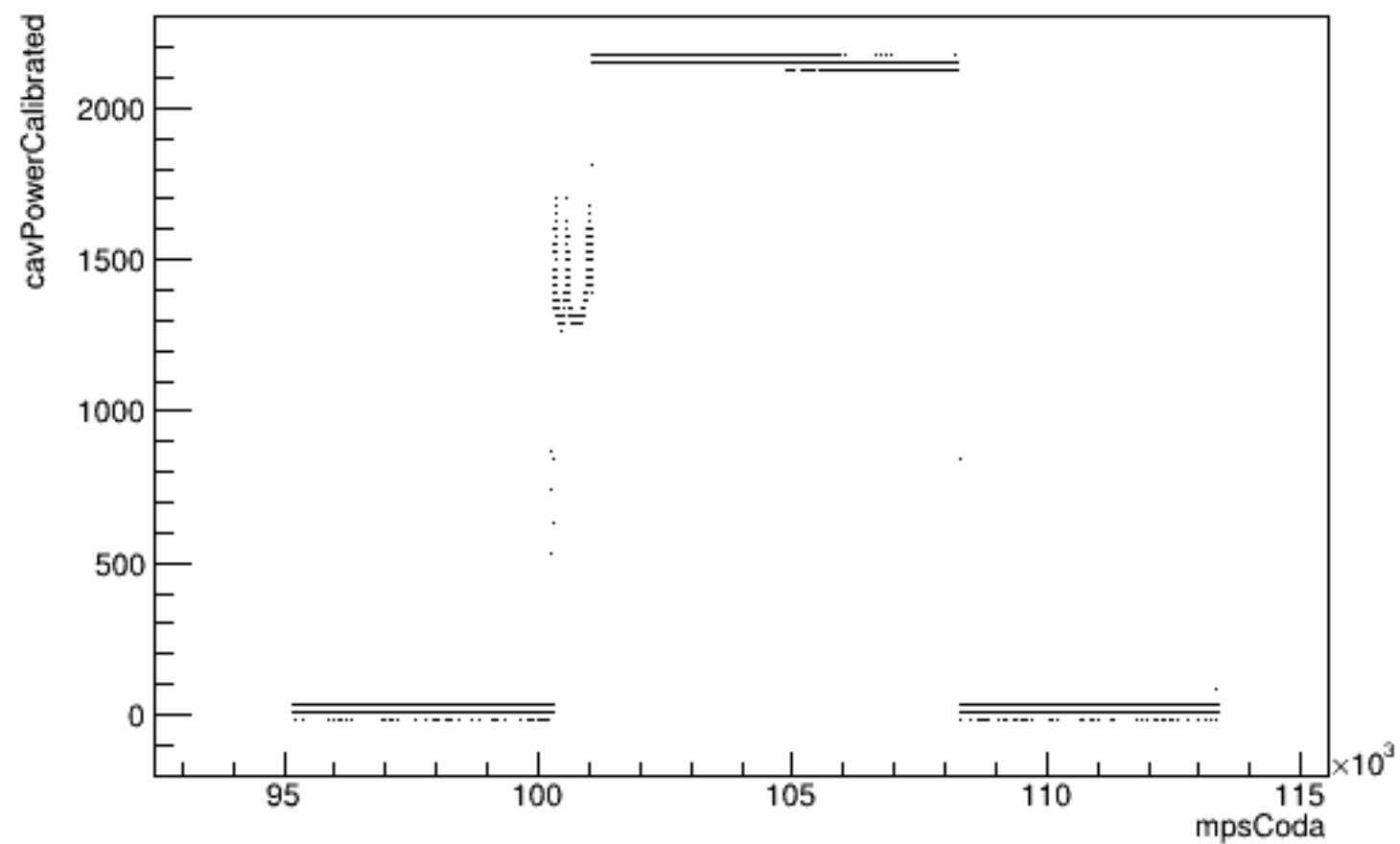
laserState:mpsCoda {mpsCoda&gt;=95175 &amp;&amp; mpsCoda&lt;=113390}



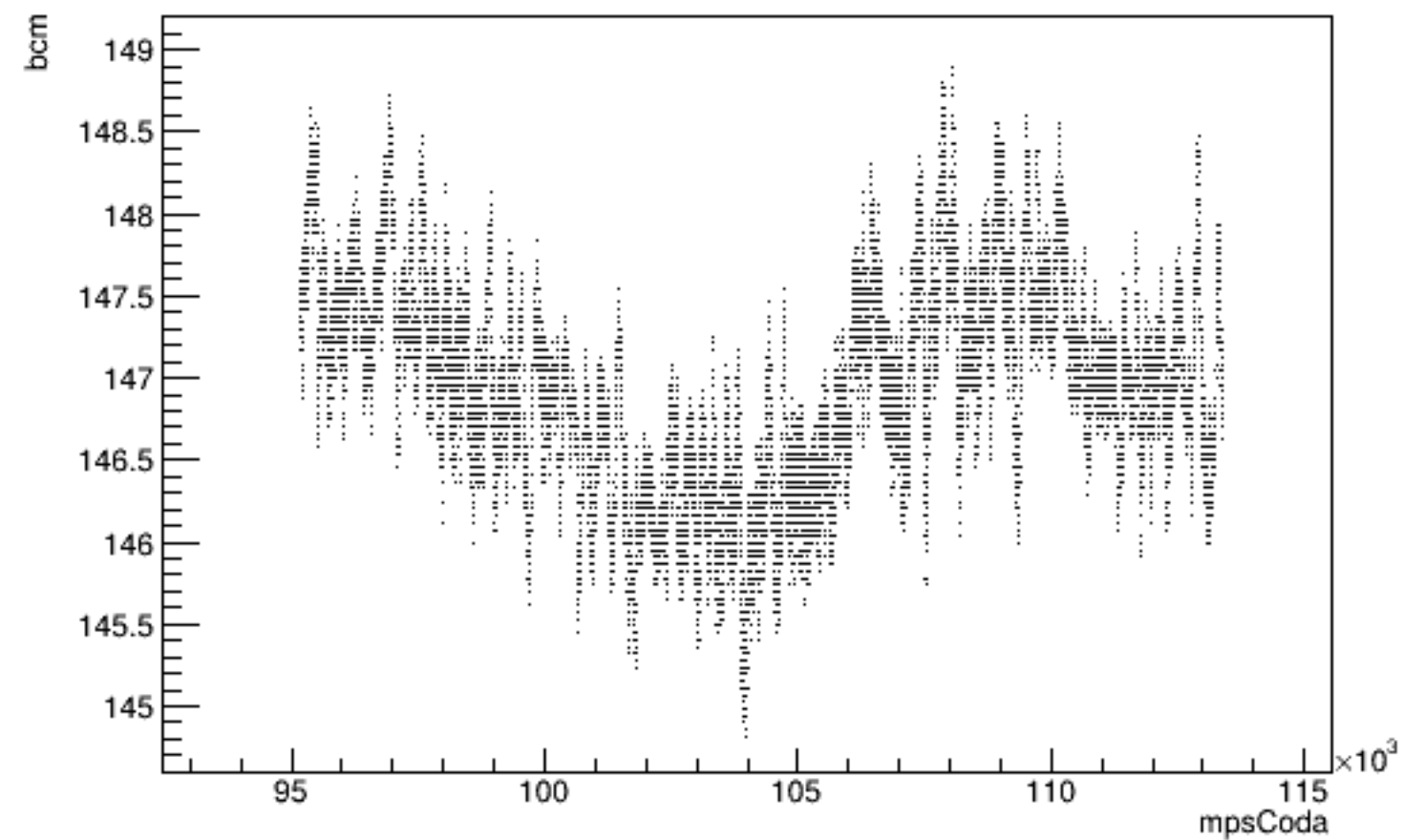
beamState + 1:mpsCoda {mpsCoda&gt;=95175 &amp;&amp; mpsCoda&lt;=113390}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=95175 &amp;&amp; mpsCoda&lt;=113390}



bcm:mpsCoda {mpsCoda&gt;=95175 &amp;&amp; mpsCoda&lt;=113390}



## Cycle 7, Diffs

Entries: 1277

Mean: -0.0025 +/- 0.0096

Std Dev: 0.3436 +/- 0.0068

Entries: 1800

Mean: 0.7756 +/- 0.0120

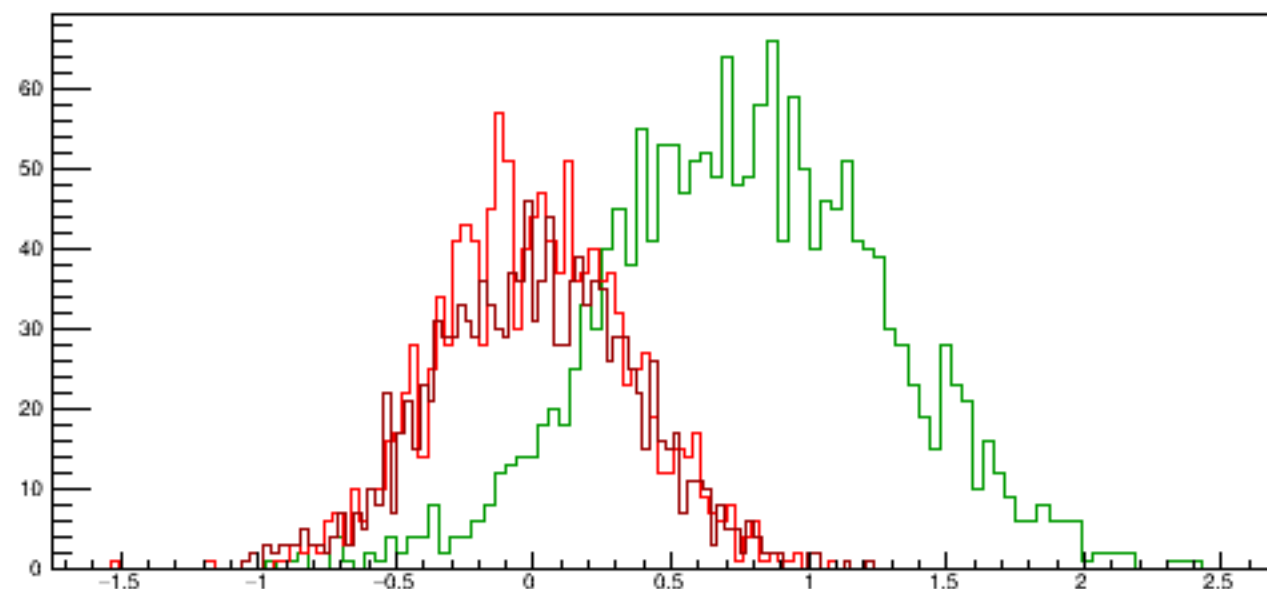
Std Dev: 0.5092 +/- 0.0085

Entries: 1279

Mean: 0.0016 +/- 0.0101

Std Dev: 0.3621 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 7, Sums

Entries: 1277

Mean: 4.8173 +/- 0.0108

Std Dev: 0.3873 +/- 0.0077

Entries: 1800

Mean: 29.8542 +/- 0.0145

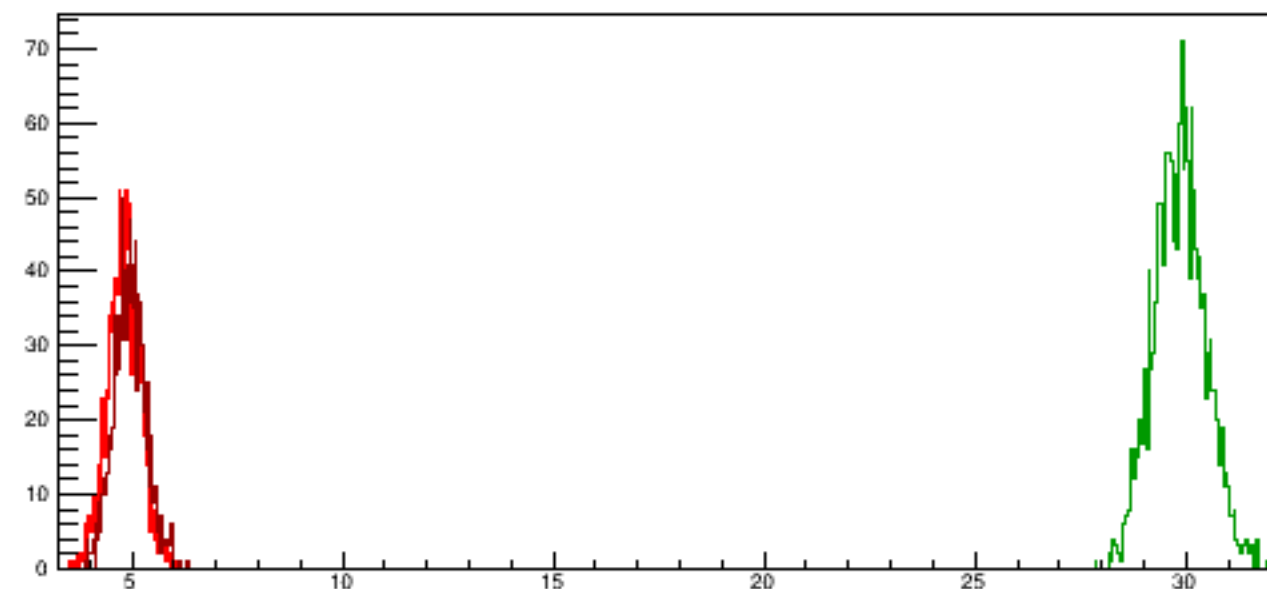
Std Dev: 0.6163 +/- 0.0103

Entries: 1279

Mean: 4.9518 +/- 0.0105

Std Dev: 0.3763 +/- 0.0074

Run 5977 quartetwise, Sums



## Cycle 7, Asyms

Entries: 1277

Mean: -0.0001 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 1800

Mean: 0.0311 +/- 0.0005

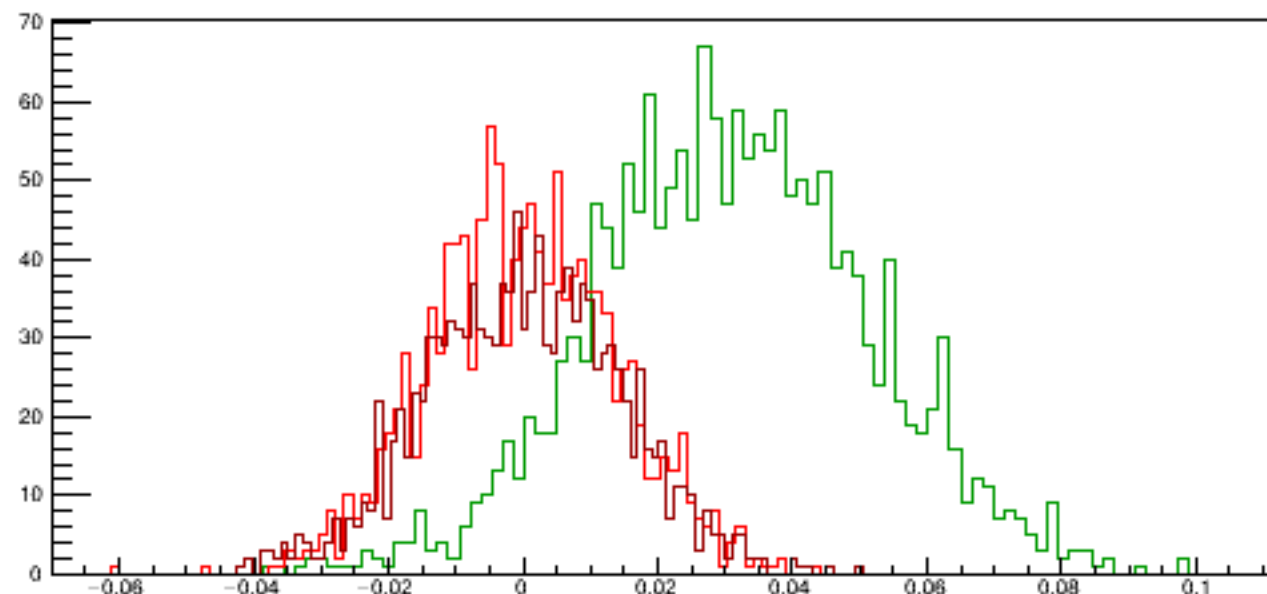
Std Dev: 0.0204 +/- 0.0003

Entries: 1279

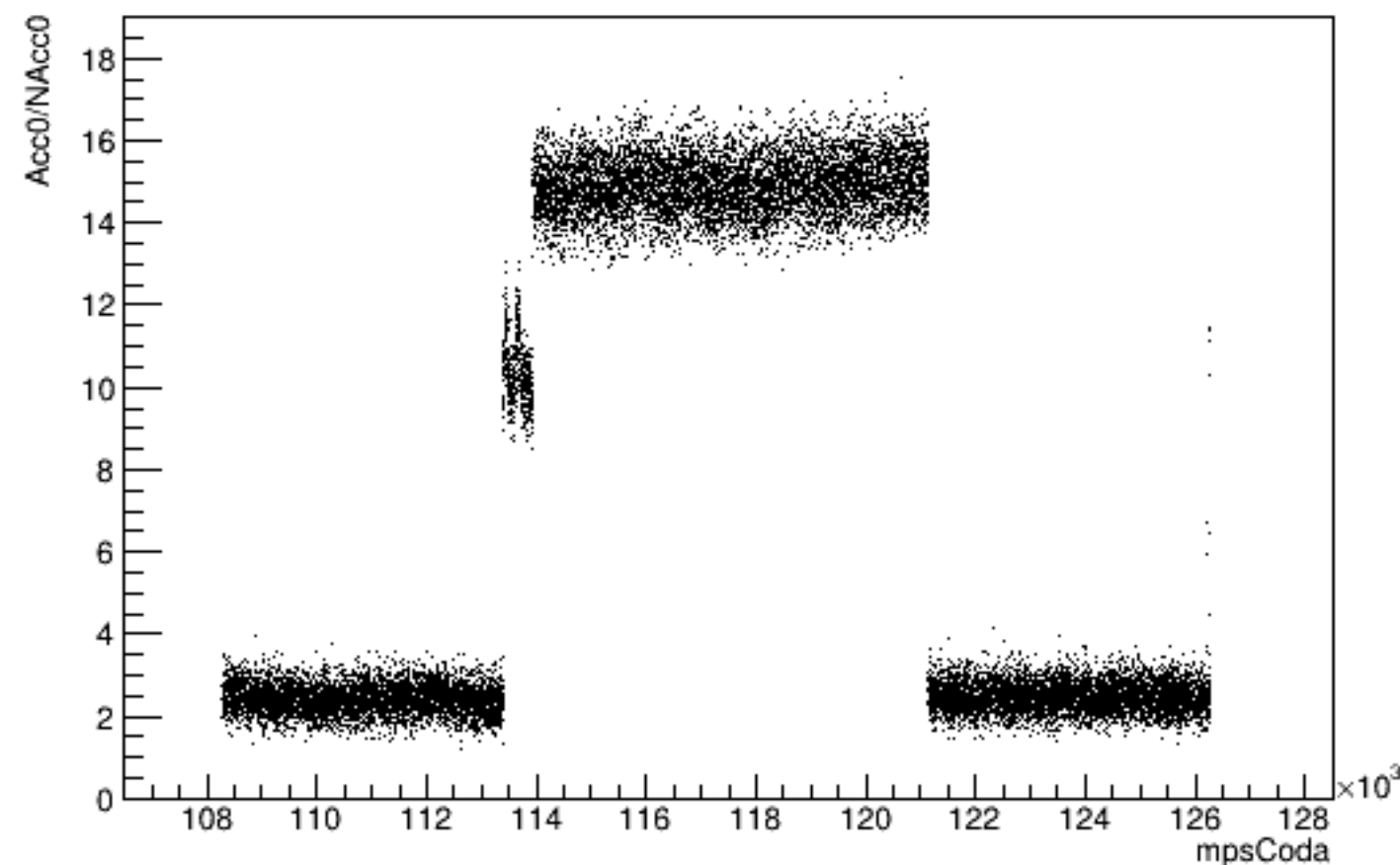
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0145 +/- 0.0003

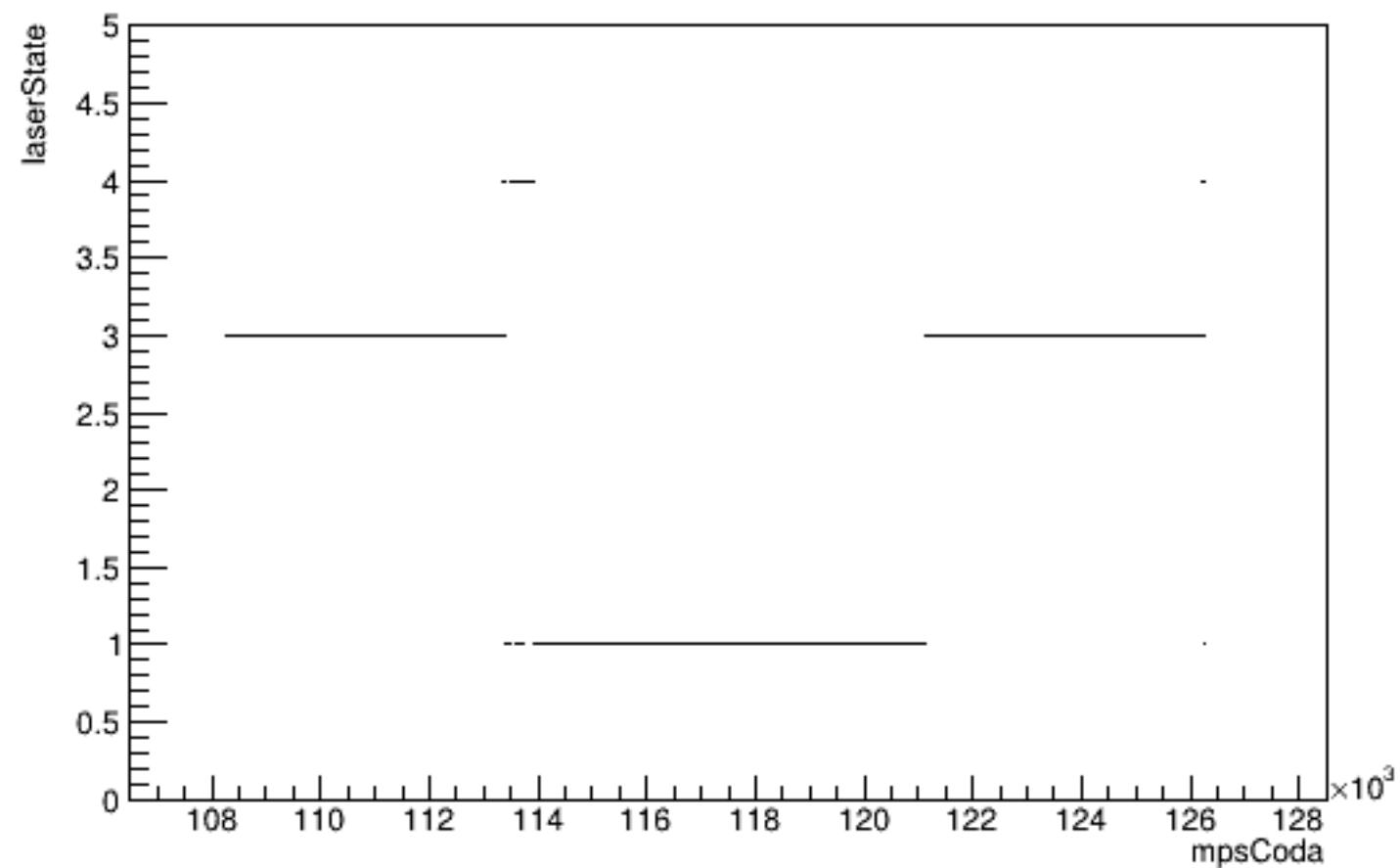
Run 5977 quartetwise, Asyms



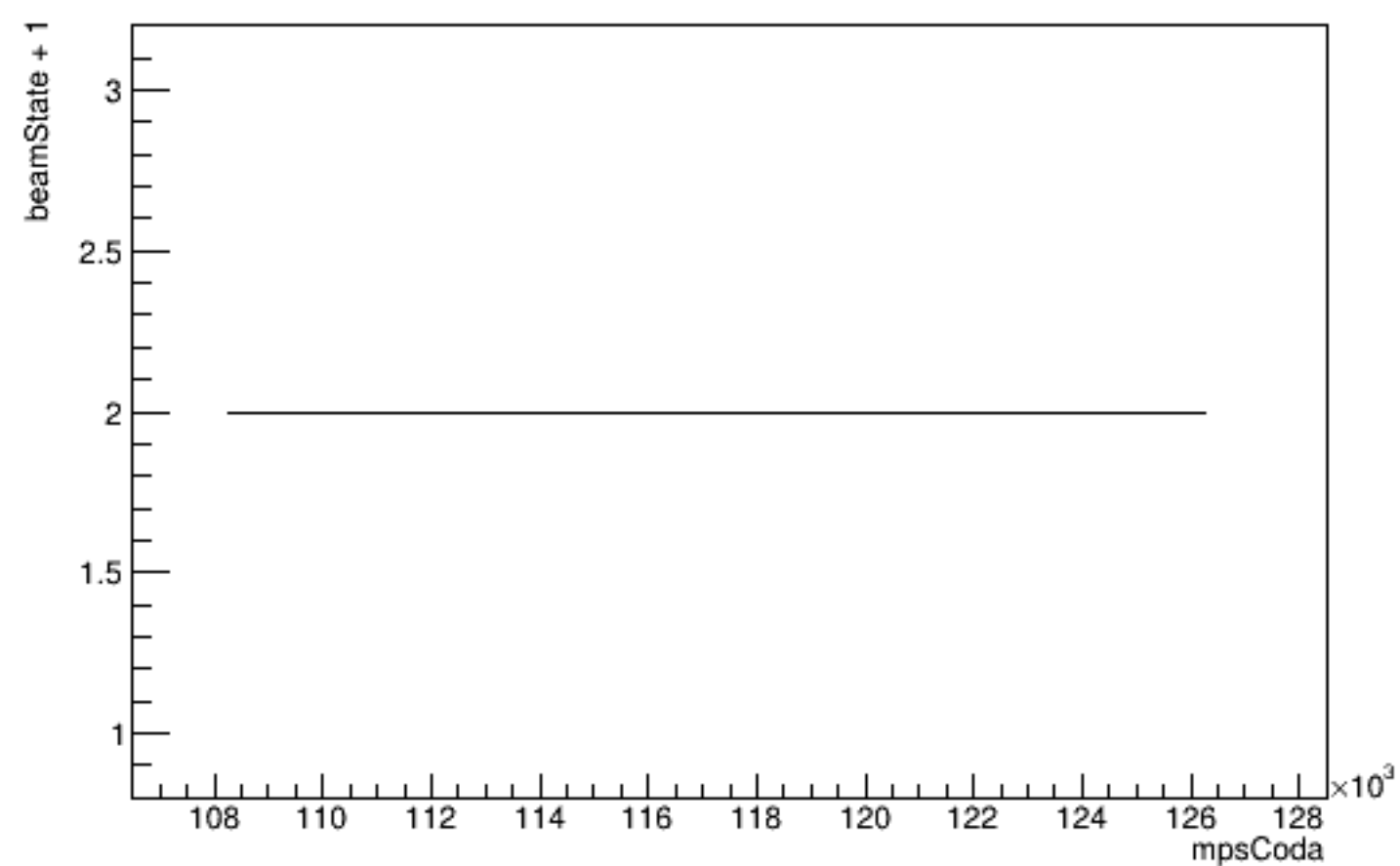
Acc0/NAcc0:mpsCoda (mpsCoda>=108279 && mpsCoda<=126282 && beamState==1)



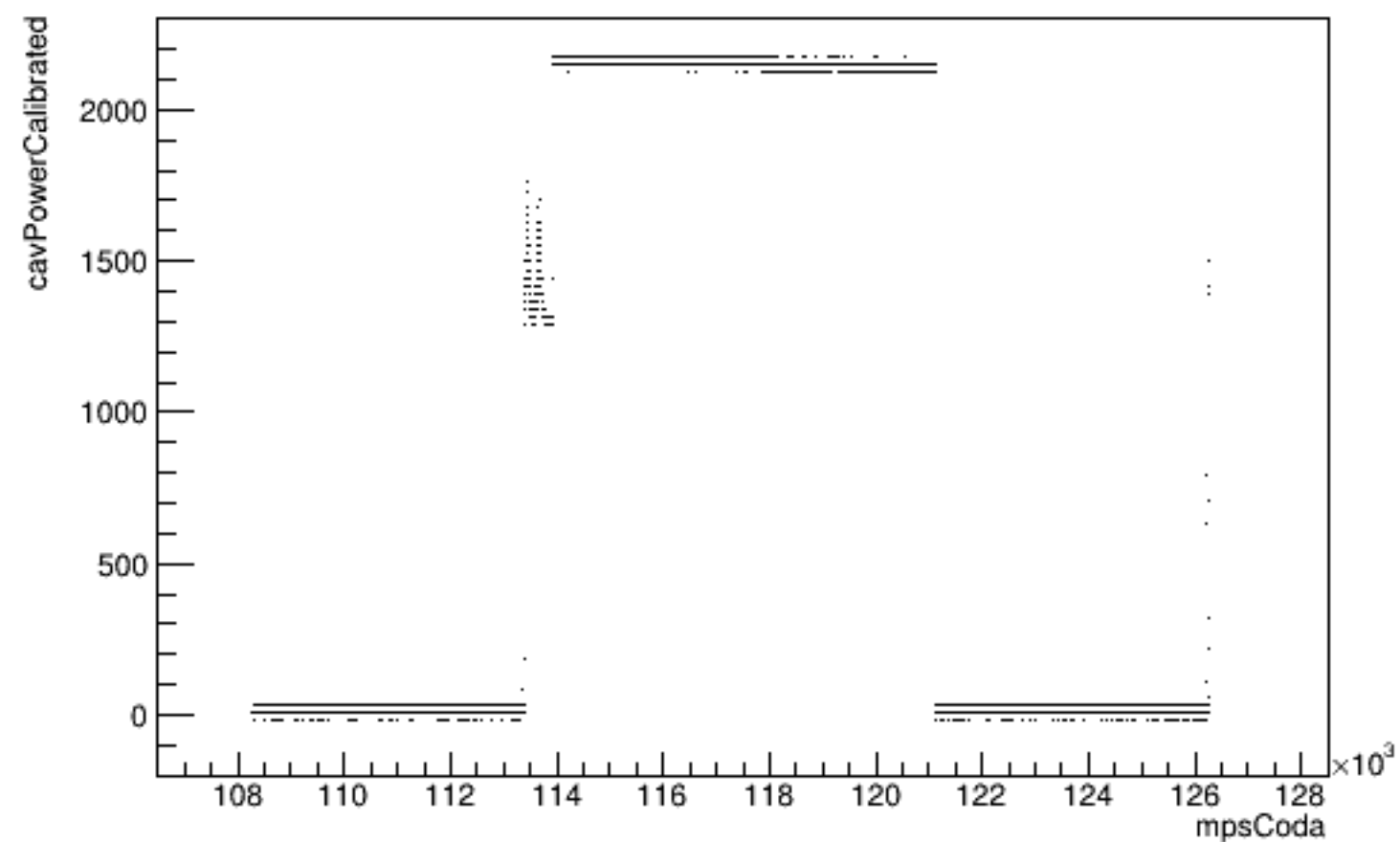
laserState:mpsCoda {mpsCoda&gt;=108279 &amp;&amp; mpsCoda&lt;=126282}



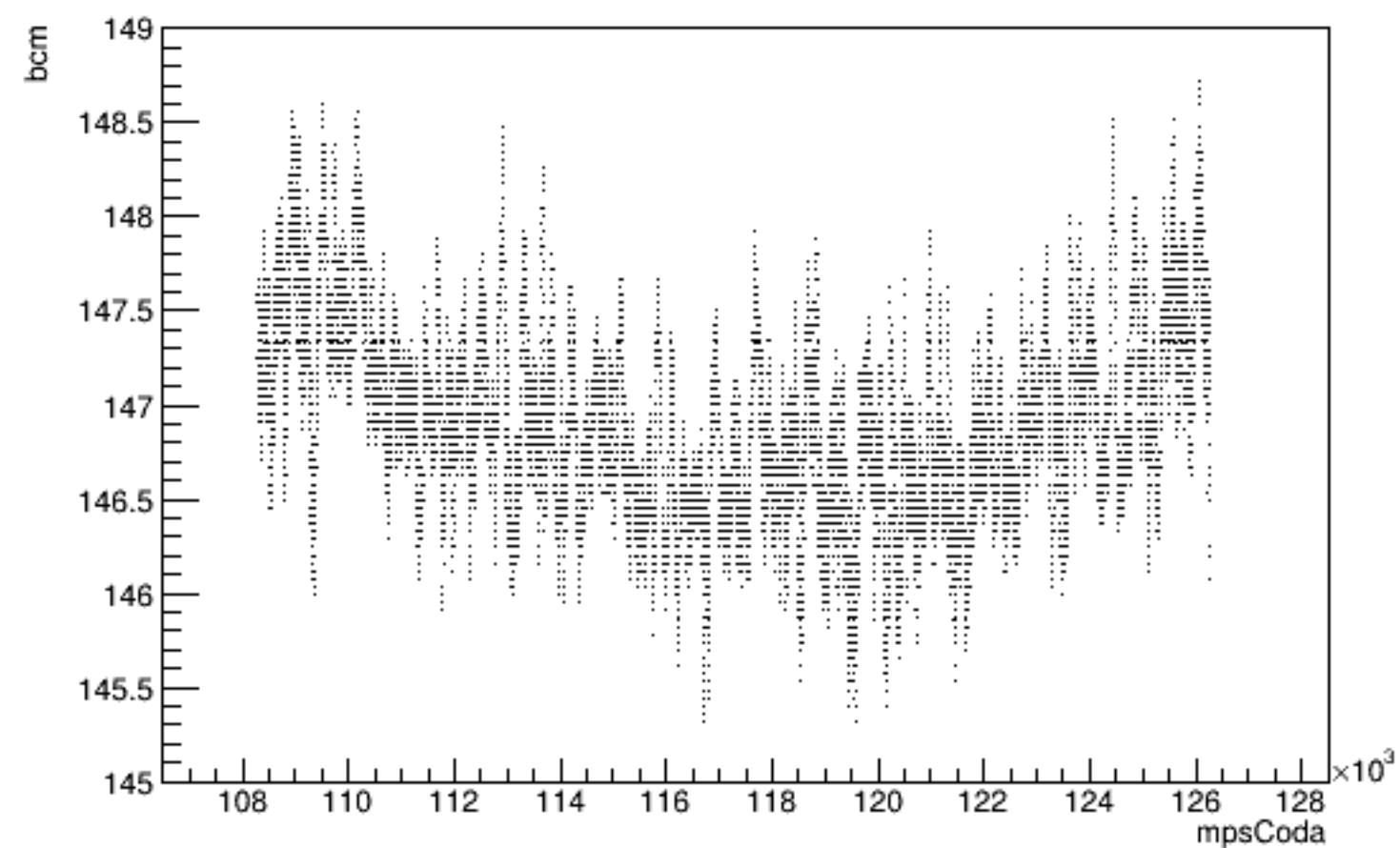
beamState + 1:mpsCoda {mpsCoda&gt;=108279 &amp;&amp; mpsCoda&lt;=126282}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=108279 &amp;&amp; mpsCoda&lt;=126282}



bcm:mpsCoda {mpsCoda&gt;=108279 &amp;&amp; mpsCoda&lt;=126282}



## Cycle 8, Diffs

Entries: 1279

Mean: 0.0016 +/- 0.0101

Std Dev: 0.3621 +/- 0.0072

Entries: 1801

Mean: 0.8125 +/- 0.0122

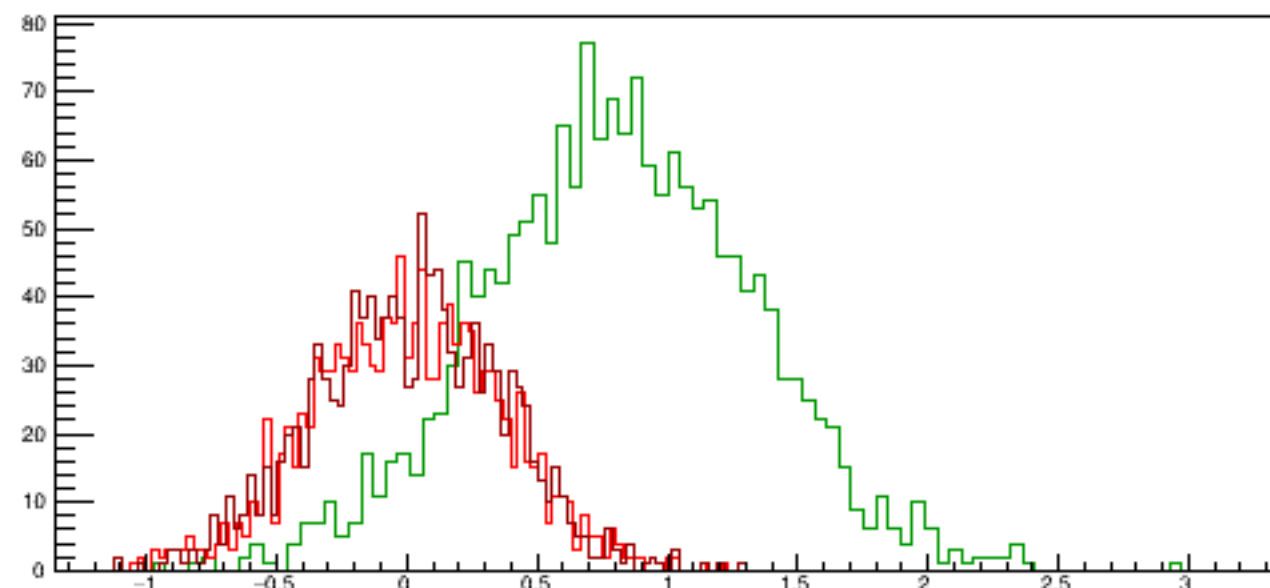
Std Dev: 0.5191 +/- 0.0086

Entries: 1262

Mean: 0.0079 +/- 0.0101

Std Dev: 0.3585 +/- 0.0071

Run 5977 quartetwise, Diffs



## Cycle 8, Sums

Entries: 1279

Mean: 4.9518 +/- 0.0105

Std Dev: 0.3763 +/- 0.0074

Entries: 1801

Mean: 30.1861 +/- 0.0147

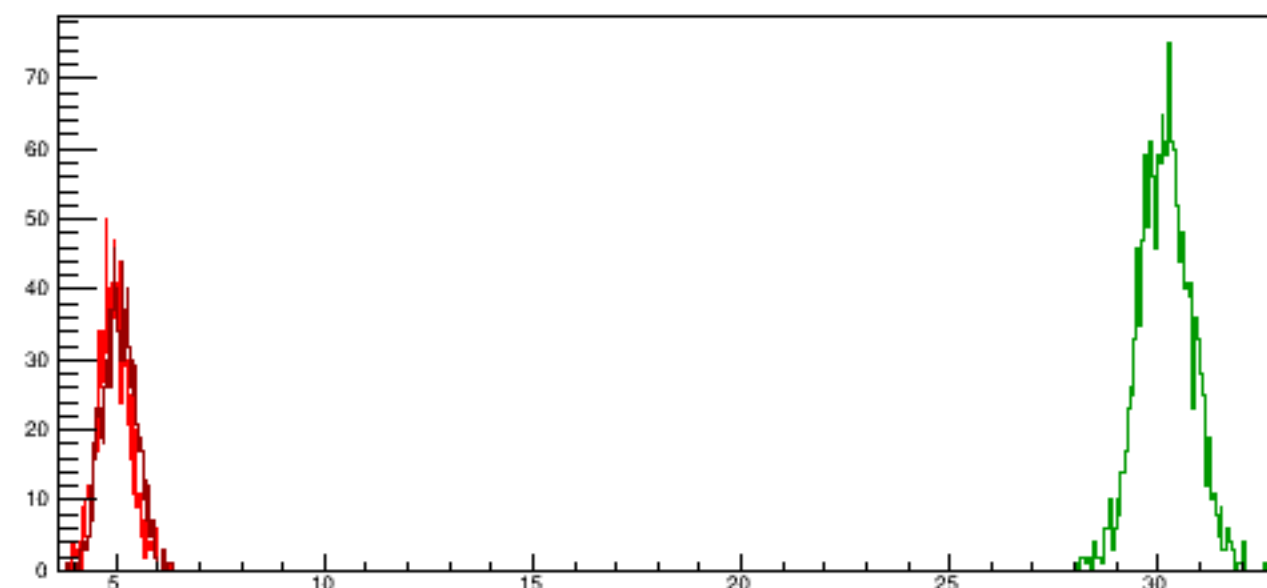
Std Dev: 0.6252 +/- 0.0104

Entries: 1262

Mean: 5.0737 +/- 0.0110

Std Dev: 0.3922 +/- 0.0078

Run 5977 quartetwise, Sums



## Cycle 8, Asyms

Entries: 1279

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

Entries: 1801

Mean: 0.0323 +/- 0.0005

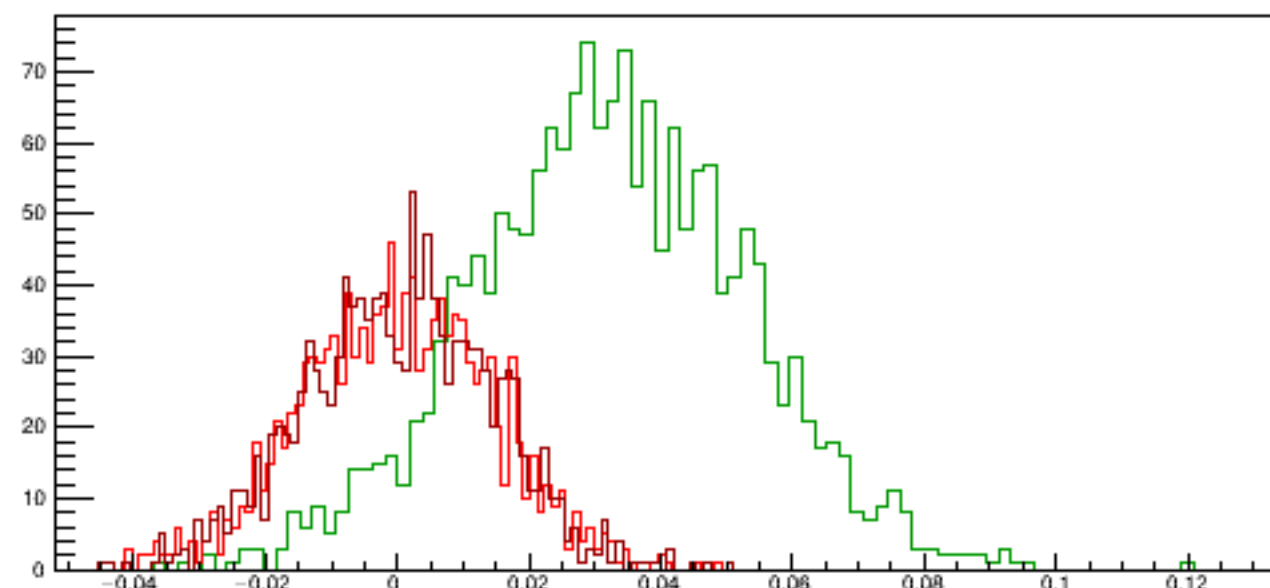
Std Dev: 0.0206 +/- 0.0003

Entries: 1262

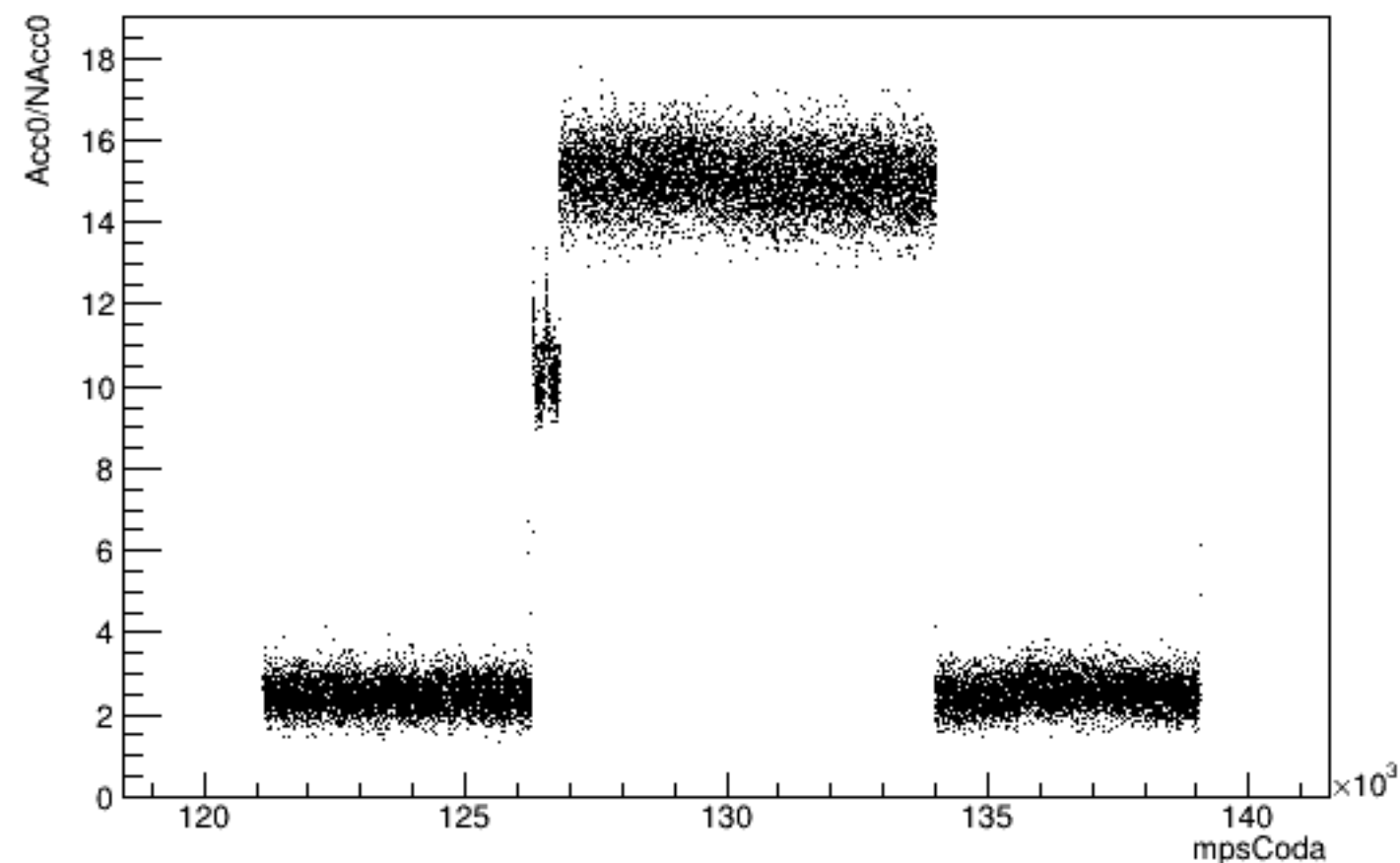
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0142 +/- 0.0003

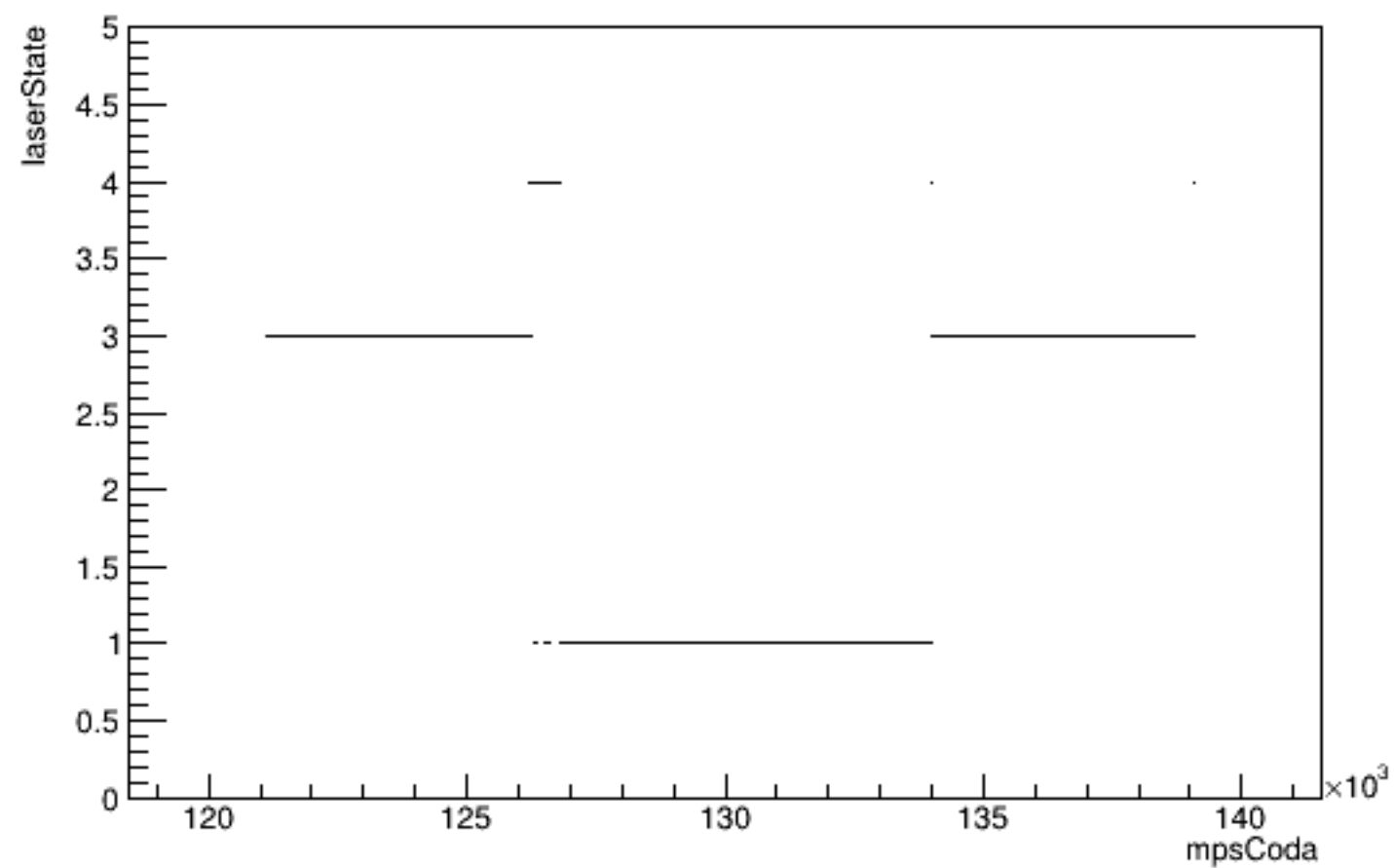
Run 5977 quartetwise, Asyms



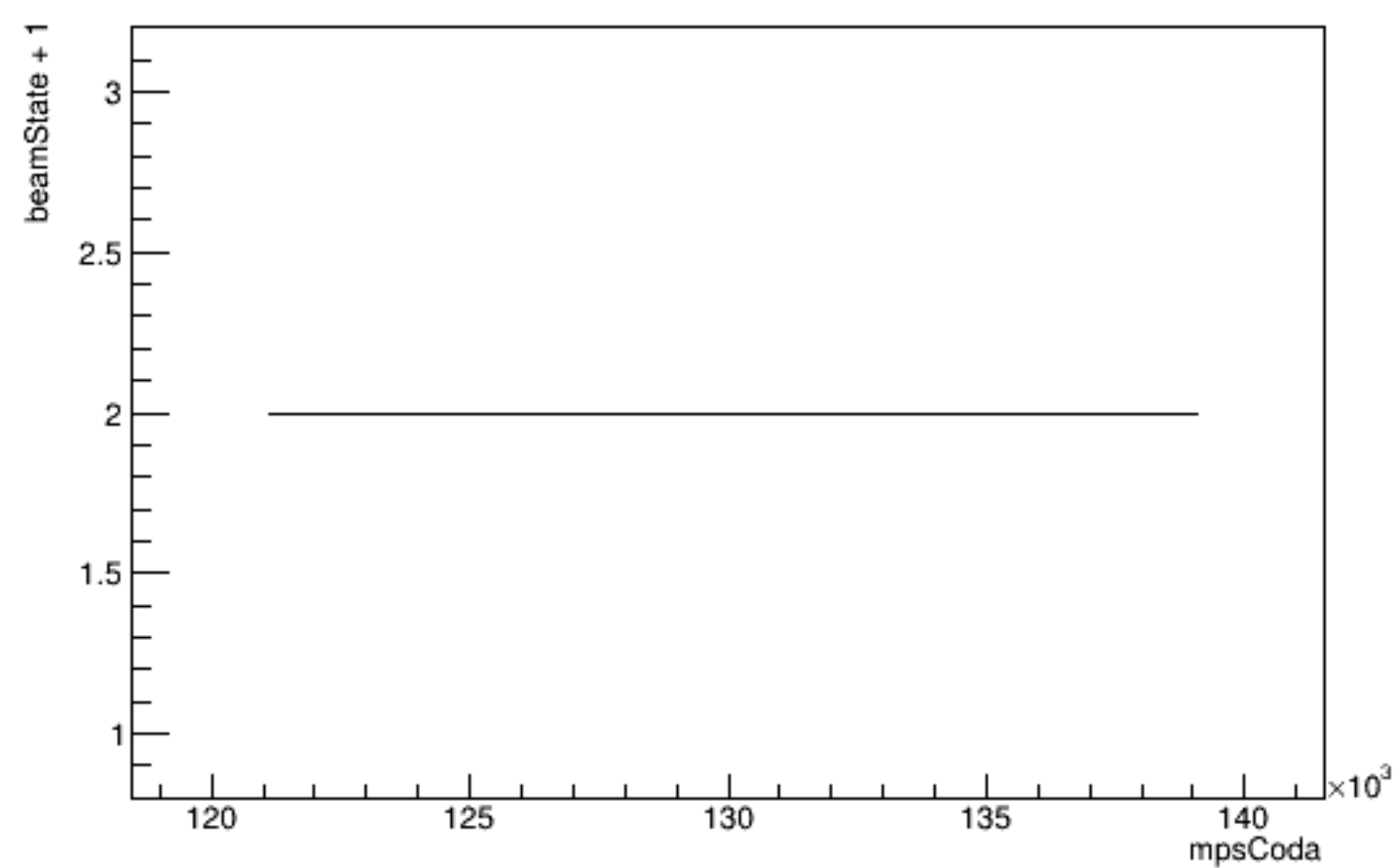
Acc0/NAcc0:mpsCoda (mpsCoda>=121143 && mpsCoda<=139058 && beamState==1)



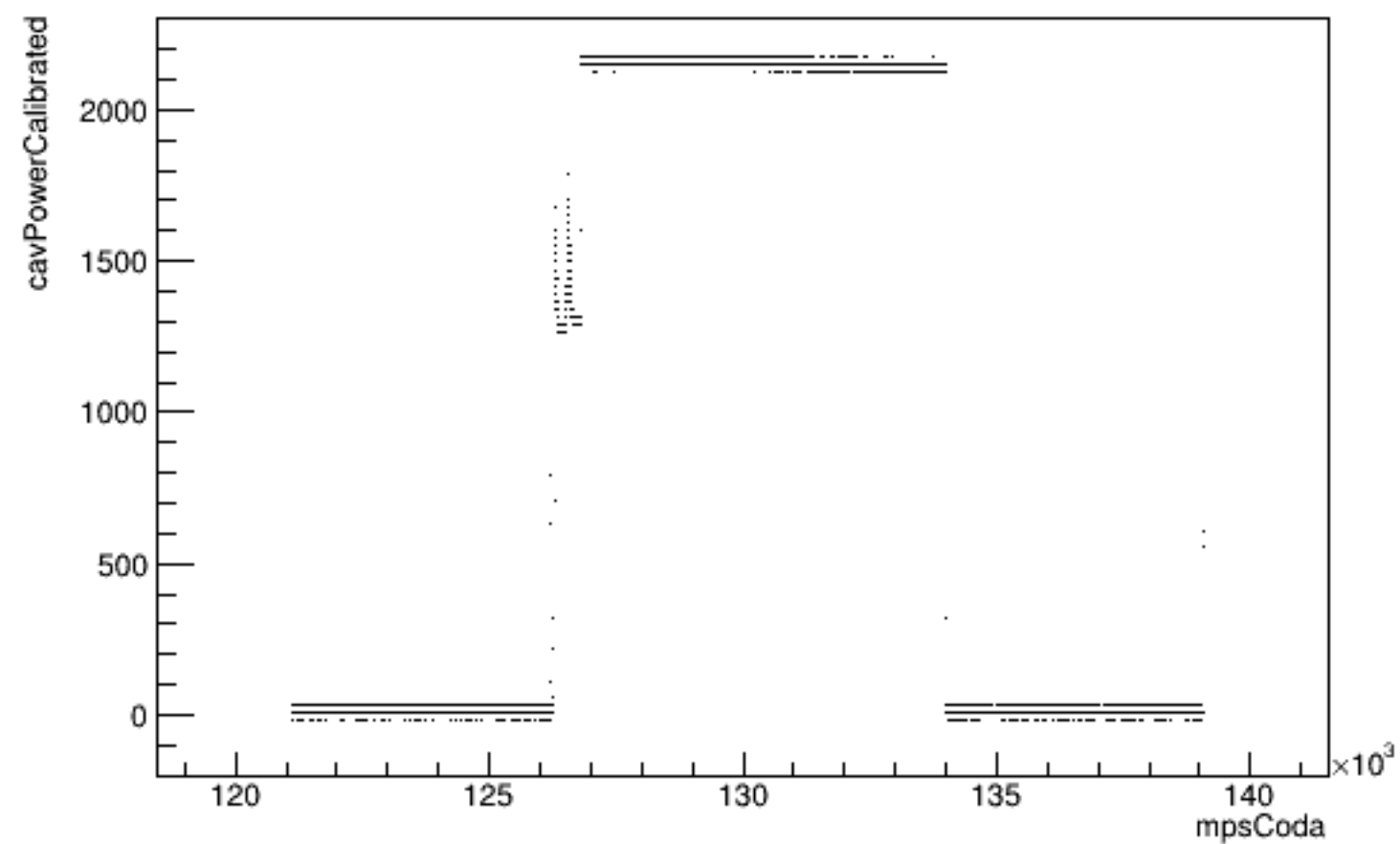
laserState:mpsCoda {mpsCoda&gt;=121143 &amp;&amp; mpsCoda&lt;=139058}



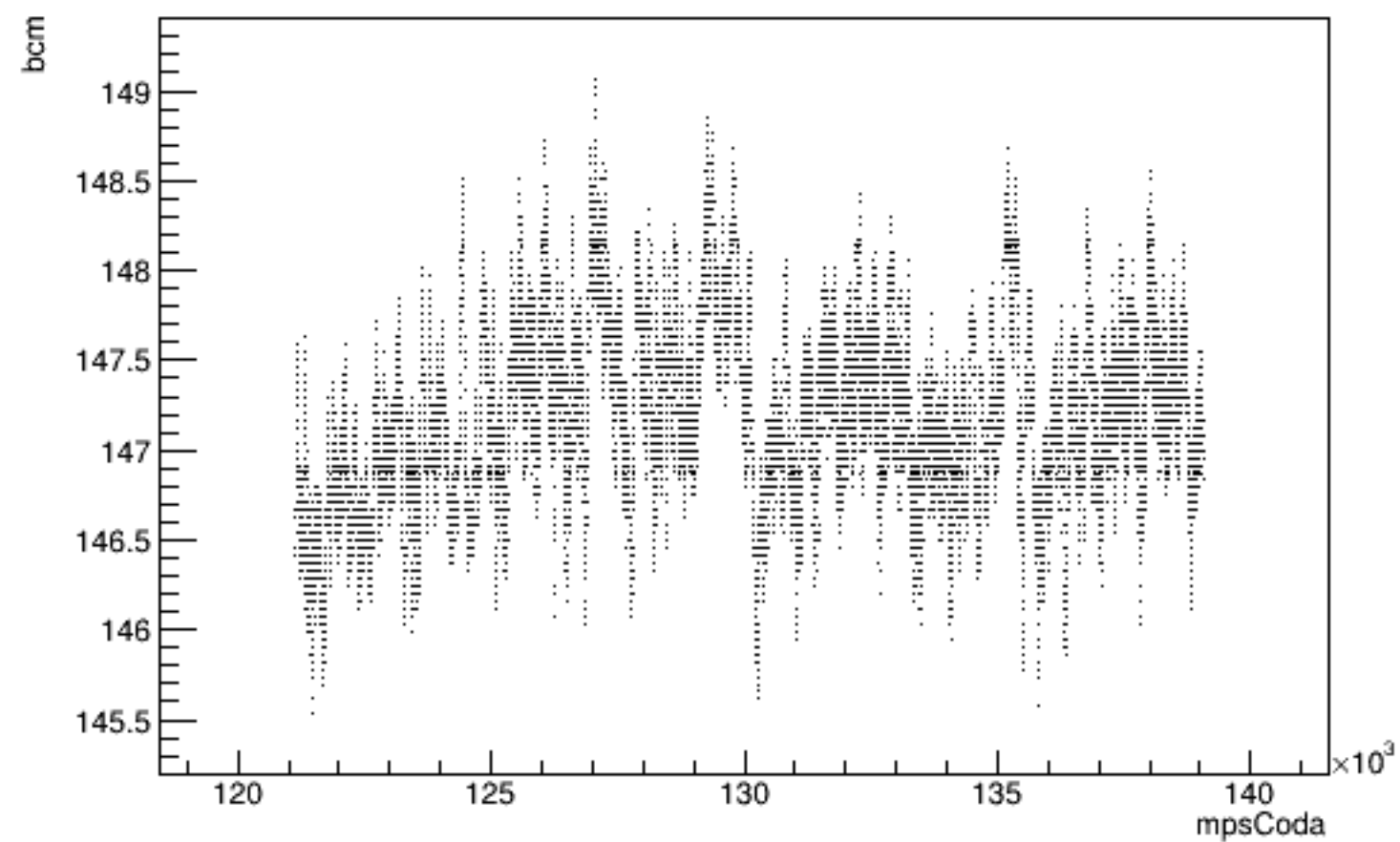
beamState + 1:mpsCoda {mpsCoda&gt;=121143 &amp;&amp; mpsCoda&lt;=139058}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=121143 &amp;&amp; mpsCoda&lt;=139058}



bcm:mpsCoda {mpsCoda&gt;=121143 &amp;&amp; mpsCoda&lt;=139058}



## Cycle 9, Diffs

Entries: 1258

Mean: -0.0020 +/- 0.0095

Std Dev: 0.3382 +/- 0.0067

Entries: 1801

Mean: 0.7778 +/- 0.0118

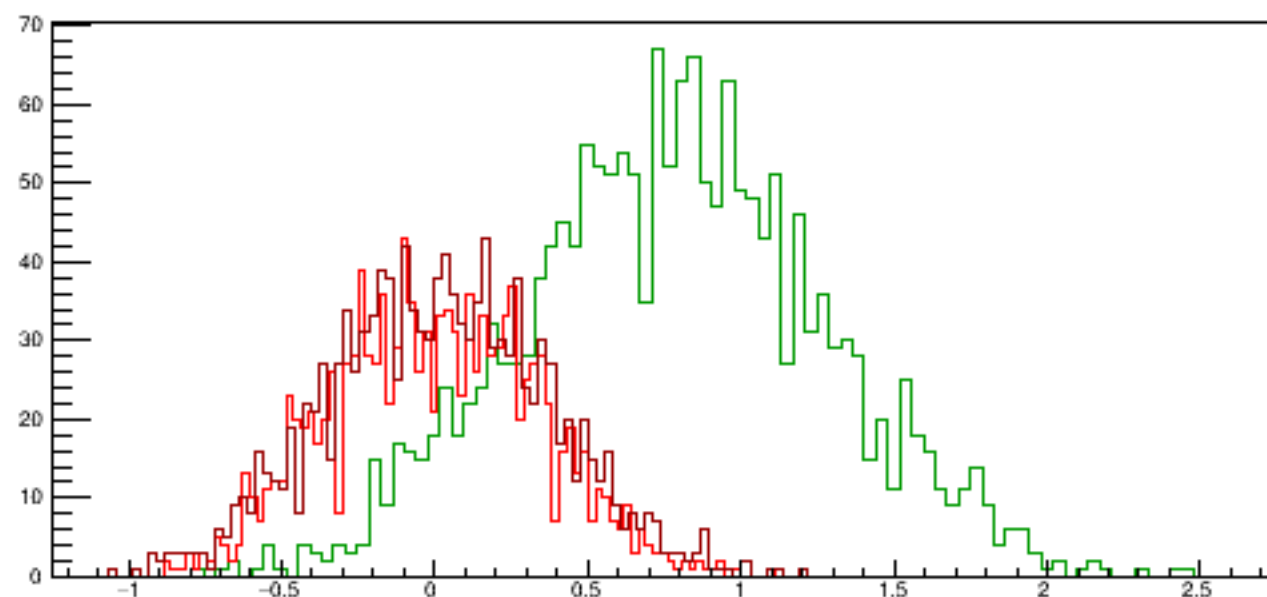
Std Dev: 0.4987 +/- 0.0083

Entries: 1282

Mean: 0.0120 +/- 0.0101

Std Dev: 0.3621 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 9, Sums

Entries: 1258

Mean: 5.0944 +/- 0.0105

Std Dev: 0.3726 +/- 0.0074

Entries: 1801

Mean: 29.9917 +/- 0.0144

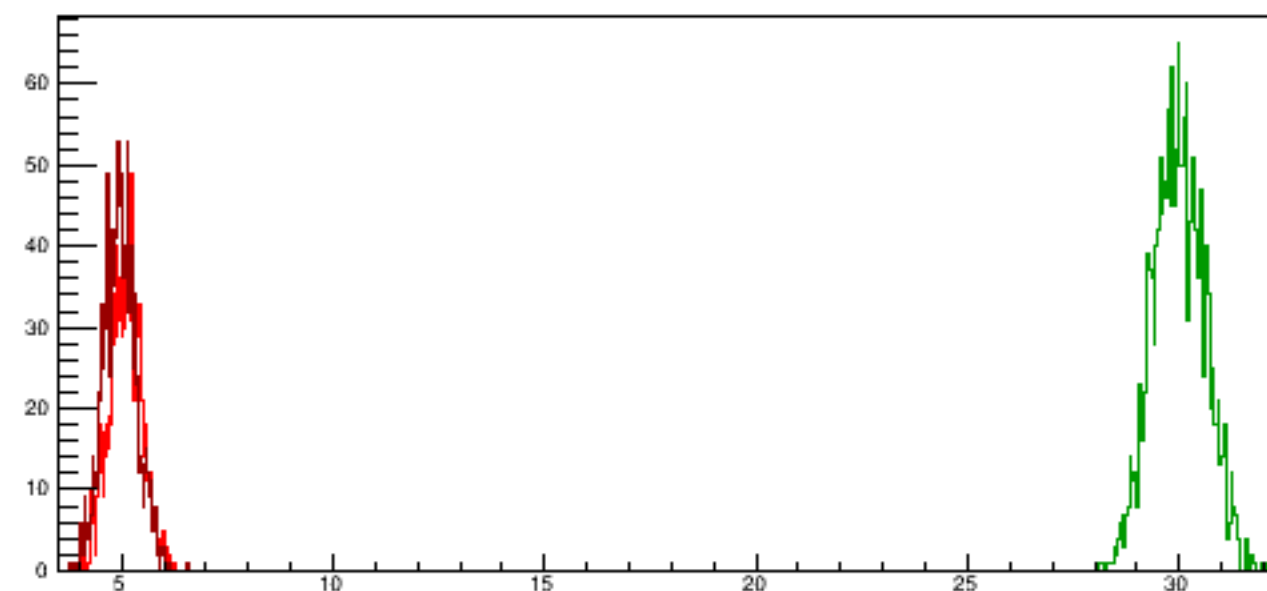
Std Dev: 0.6120 +/- 0.0102

Entries: 1282

Mean: 4.9517 +/- 0.0108

Std Dev: 0.3855 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 9, Asyms

Entries: 1258

Mean: -0.0001 +/- 0.0004

Std Dev: 0.0135 +/- 0.0003

Entries: 1801

Mean: 0.0311 +/- 0.0005

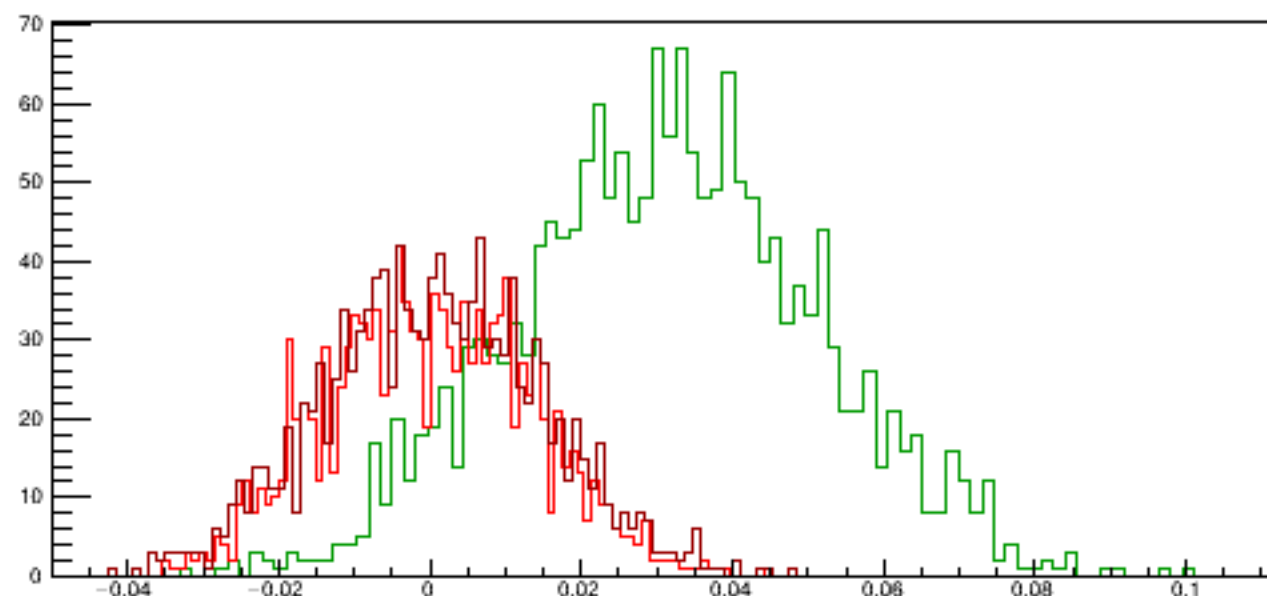
Std Dev: 0.0199 +/- 0.0003

Entries: 1282

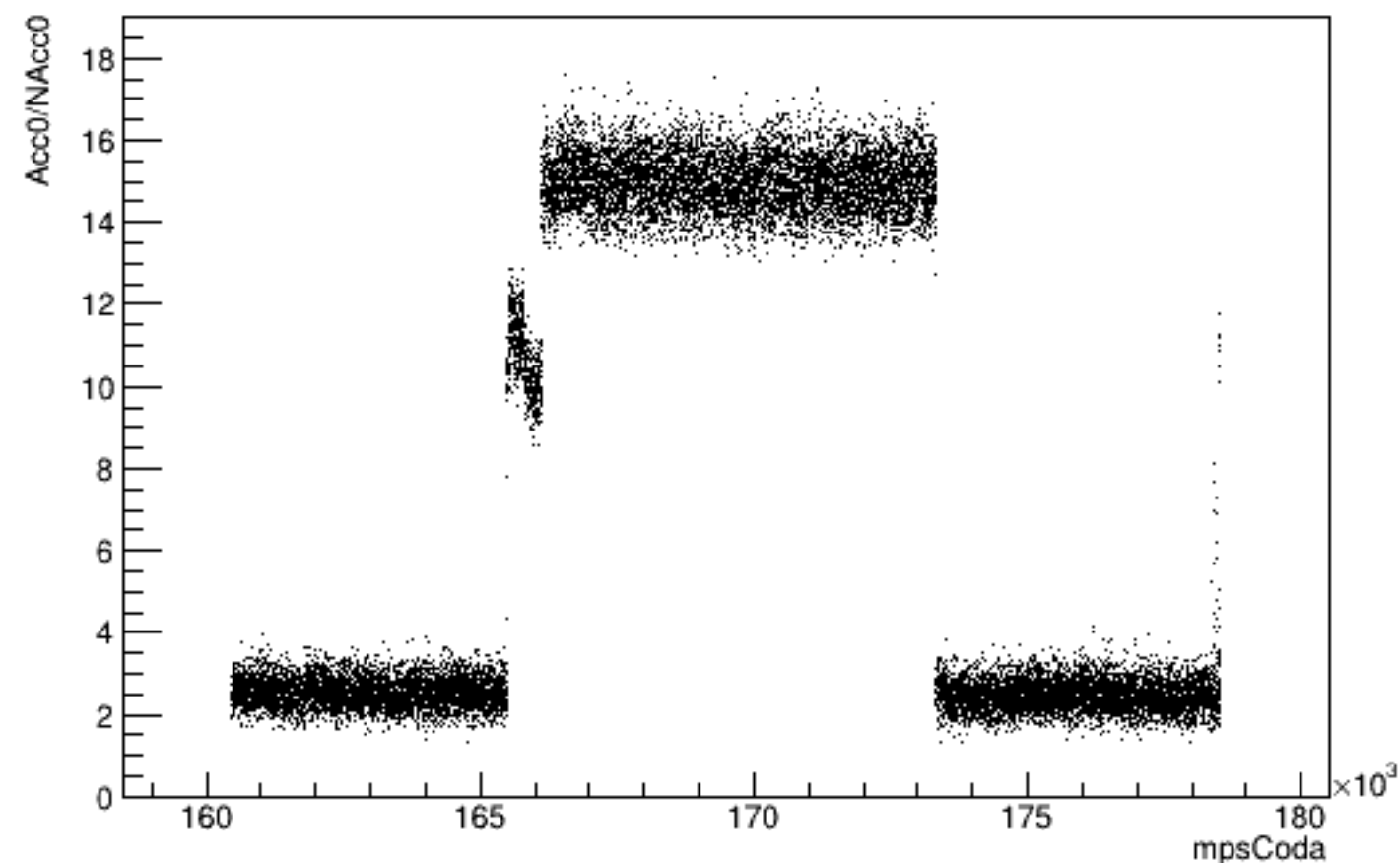
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0145 +/- 0.0003

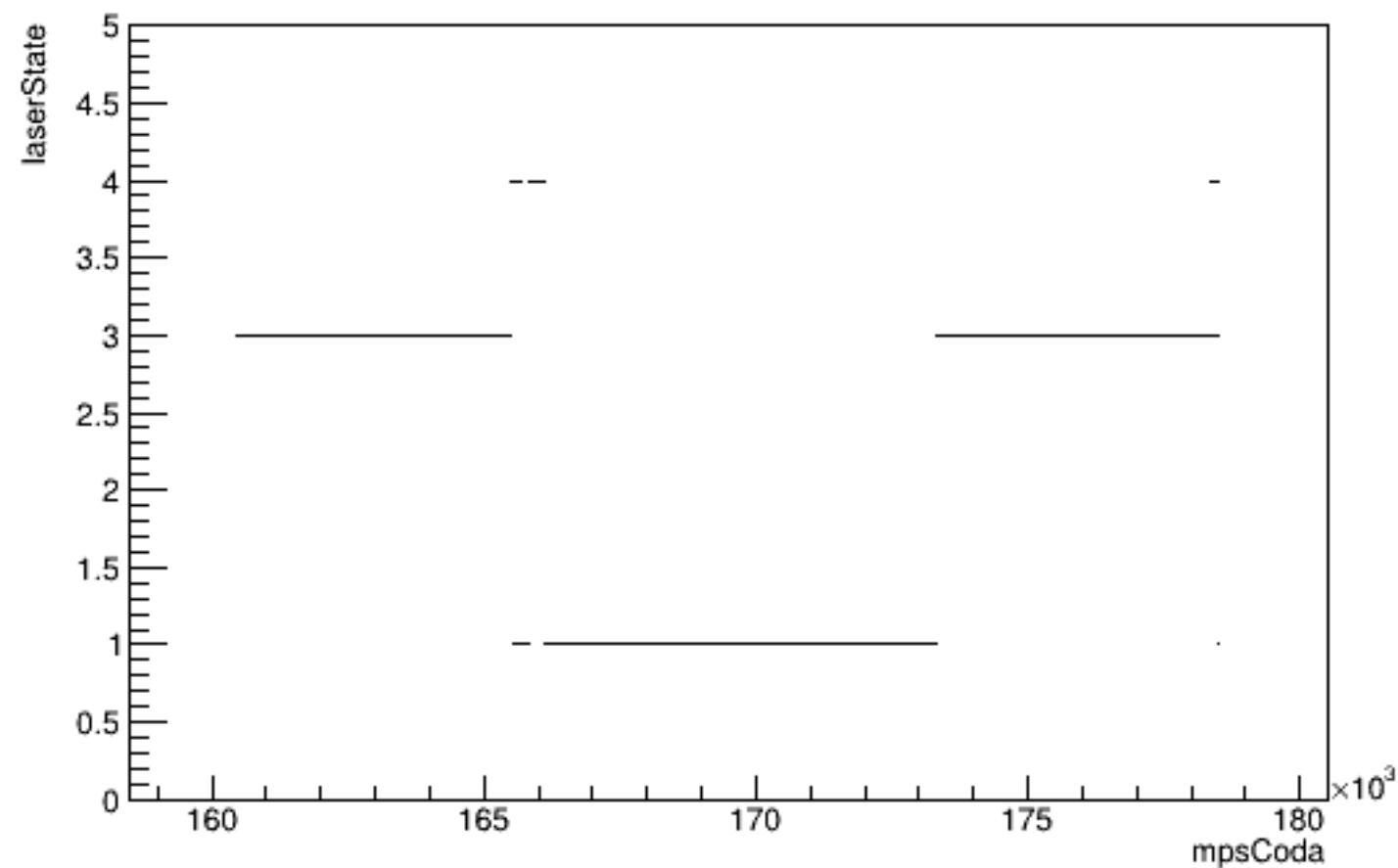
Run 5977 quartetwise, Asyms



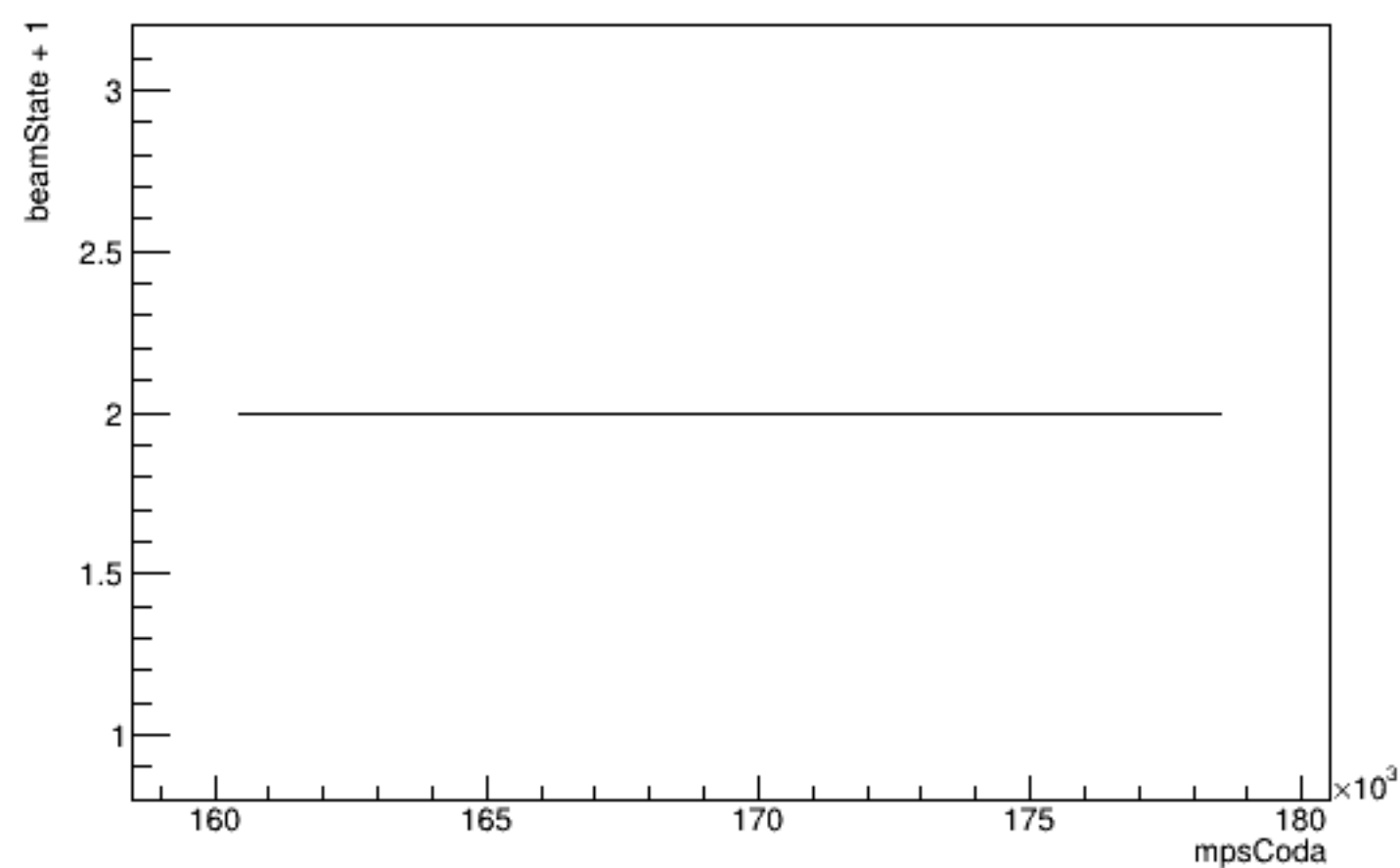
Acc0/NAcc0:mpsCoda (mpsCoda>=160463 && mpsCoda<=178522 && beamState==1)



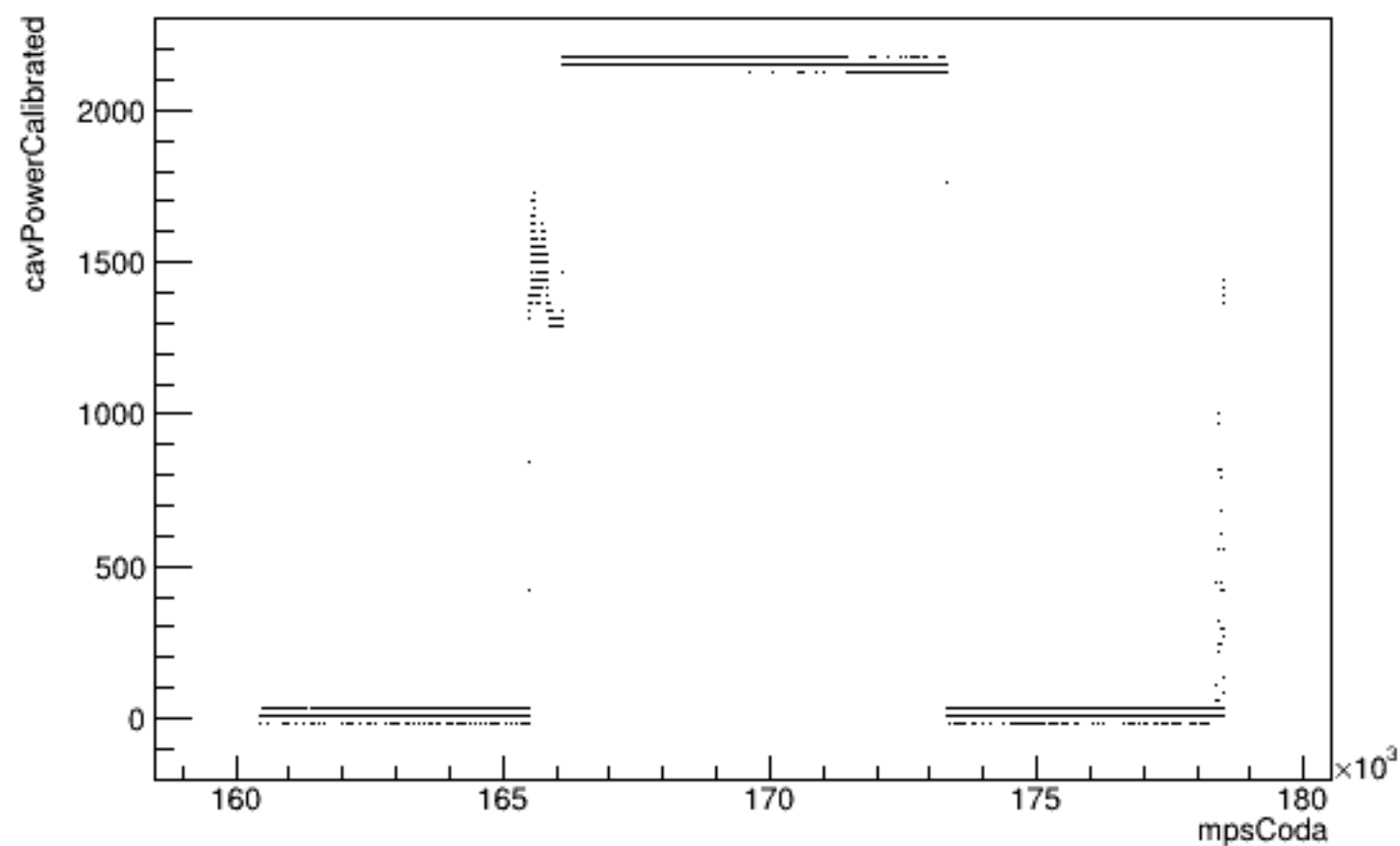
laserState:mpsCoda {mpsCoda&gt;=160463 &amp;&amp; mpsCoda&lt;=178522}



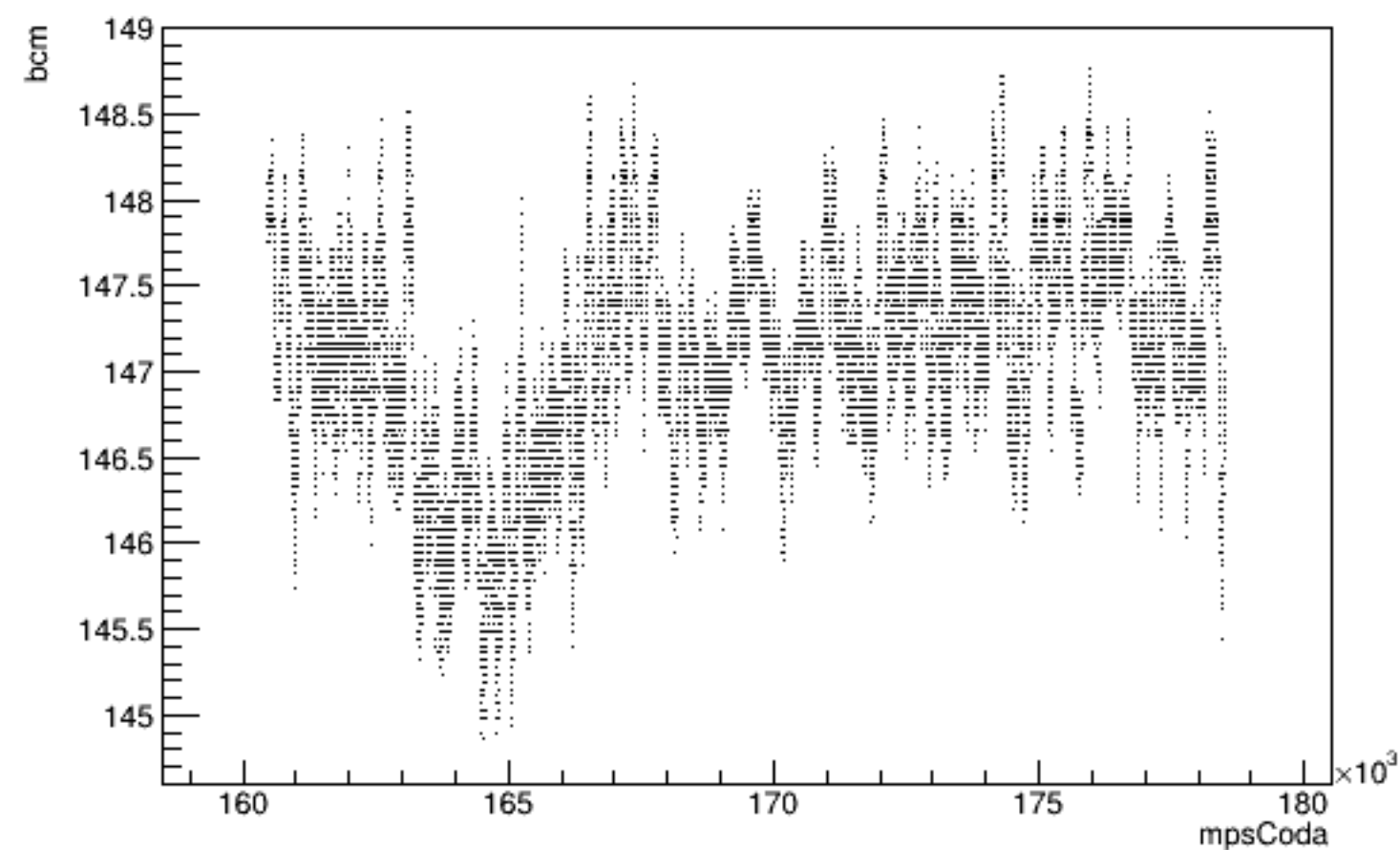
beamState + 1:mpsCoda {mpsCoda&gt;=160463 &amp;&amp; mpsCoda&lt;=178522}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=160463 &amp;&amp; mpsCoda&lt;=178522}



bcm:mpsCoda {mpsCoda&gt;=160463 &amp;&amp; mpsCoda&lt;=178522}



## Cycle 10, Diffs

Entries: 1282

Mean: 0.0120 +/- 0.0101

Std Dev: 0.3621 +/- 0.0072

Entries: 1068

Mean: 0.7884 +/- 0.0153

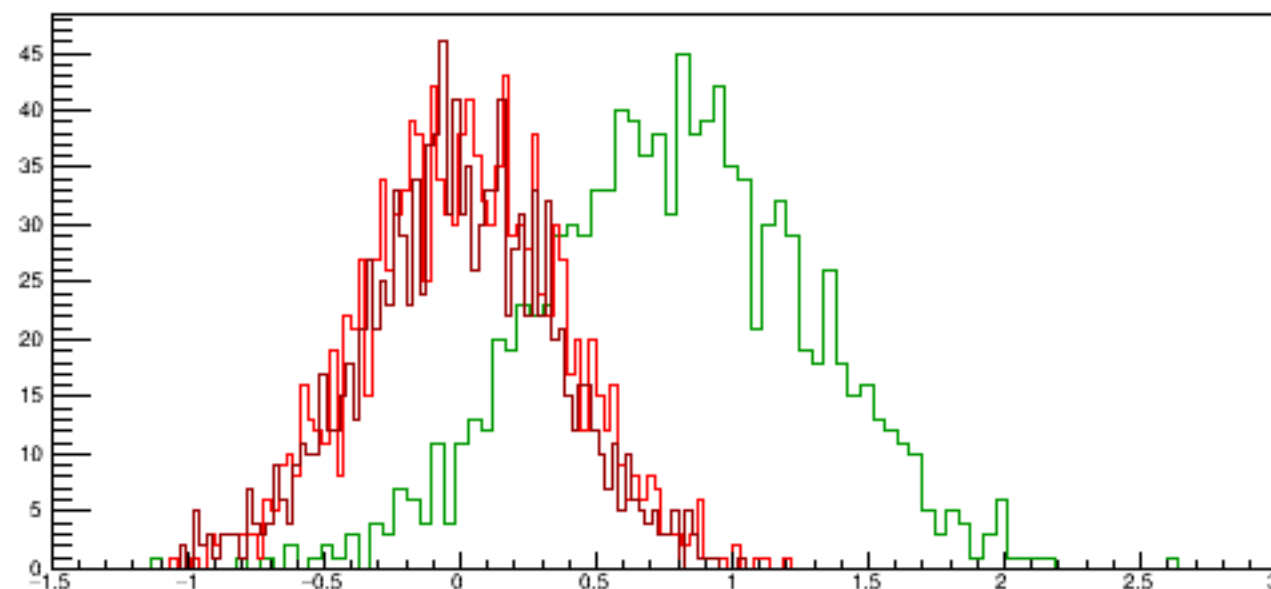
Std Dev: 0.4987 +/- 0.0108

Entries: 1257

Mean: -0.0100 +/- 0.0100

Std Dev: 0.3547 +/- 0.0071

Run 5977 quartetwise, Diffs



## Cycle 10, Sums

Entries: 1282

Mean: 4.9517 +/- 0.0108

Std Dev: 0.3855 +/- 0.0076

Entries: 1068

Mean: 29.5316 +/- 0.0614

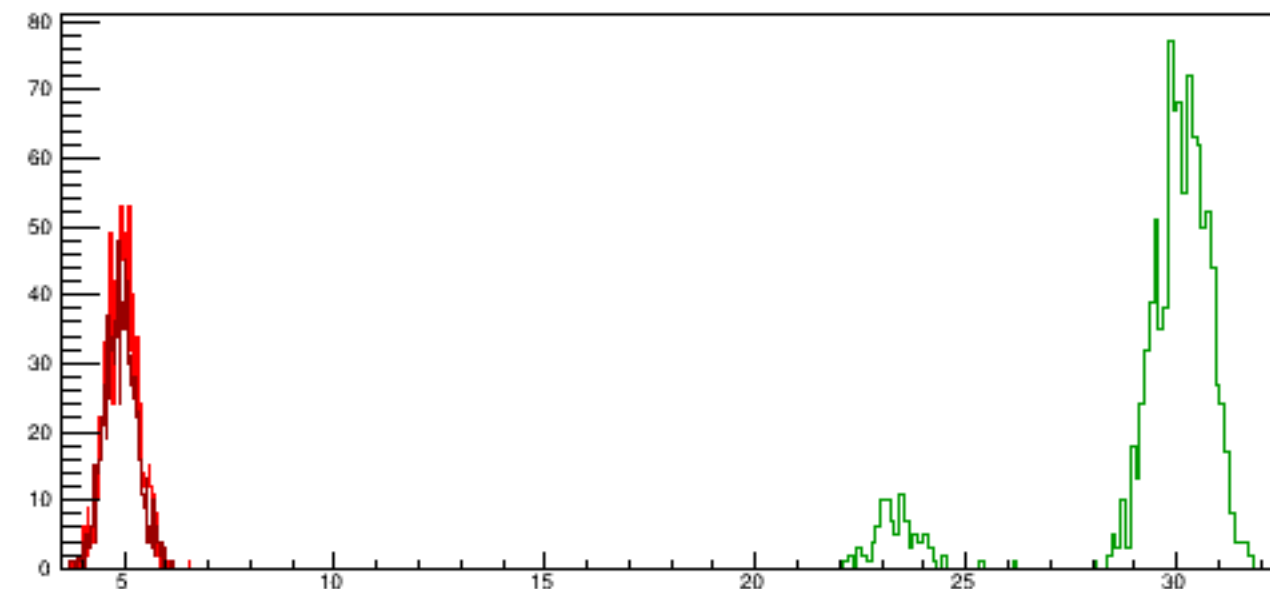
Std Dev: 2.0075 +/- 0.0434

Entries: 1257

Mean: 4.9152 +/- 0.0108

Std Dev: 0.3844 +/- 0.0077

Run 5977 quartetwise, Sums



## Cycle 10, Asyms

Entries: 1282

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0147 +/- 0.0003

Entries: 1068

Mean: 0.0321 +/- 0.0006

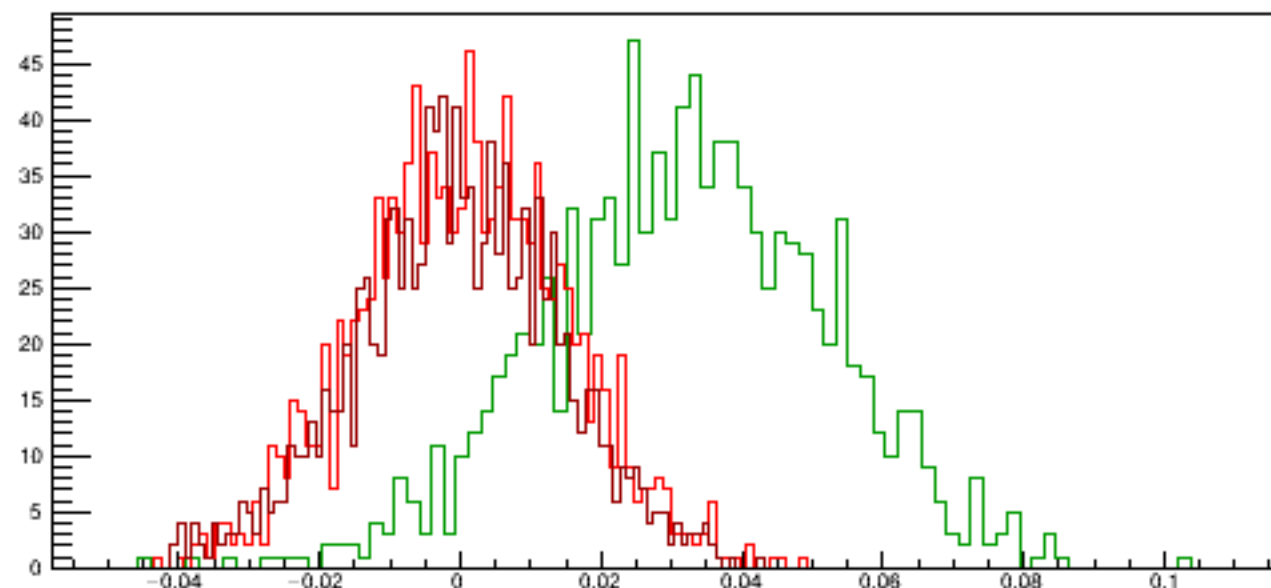
Std Dev: 0.0200 +/- 0.0004

Entries: 1257

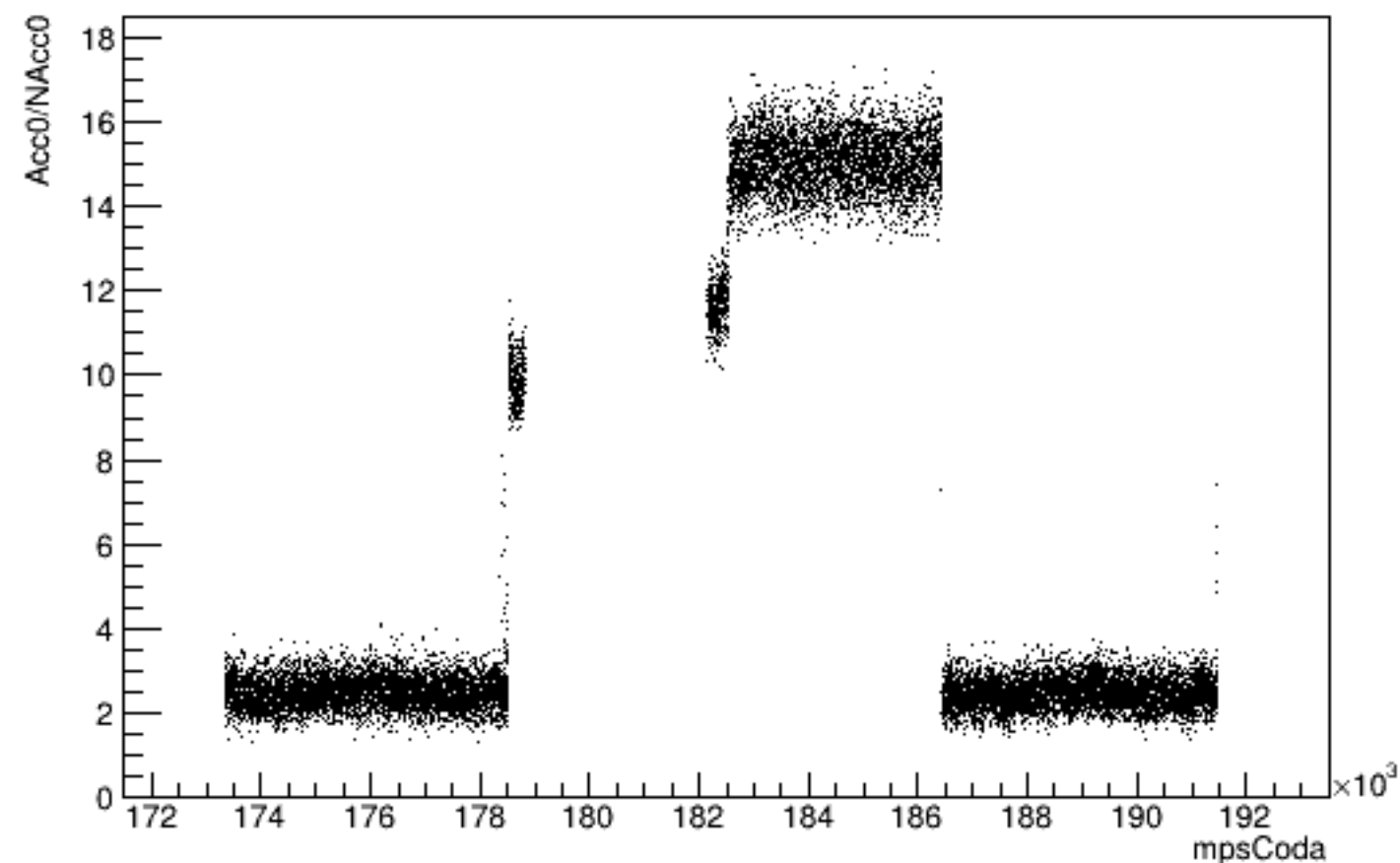
Mean: -0.0004 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

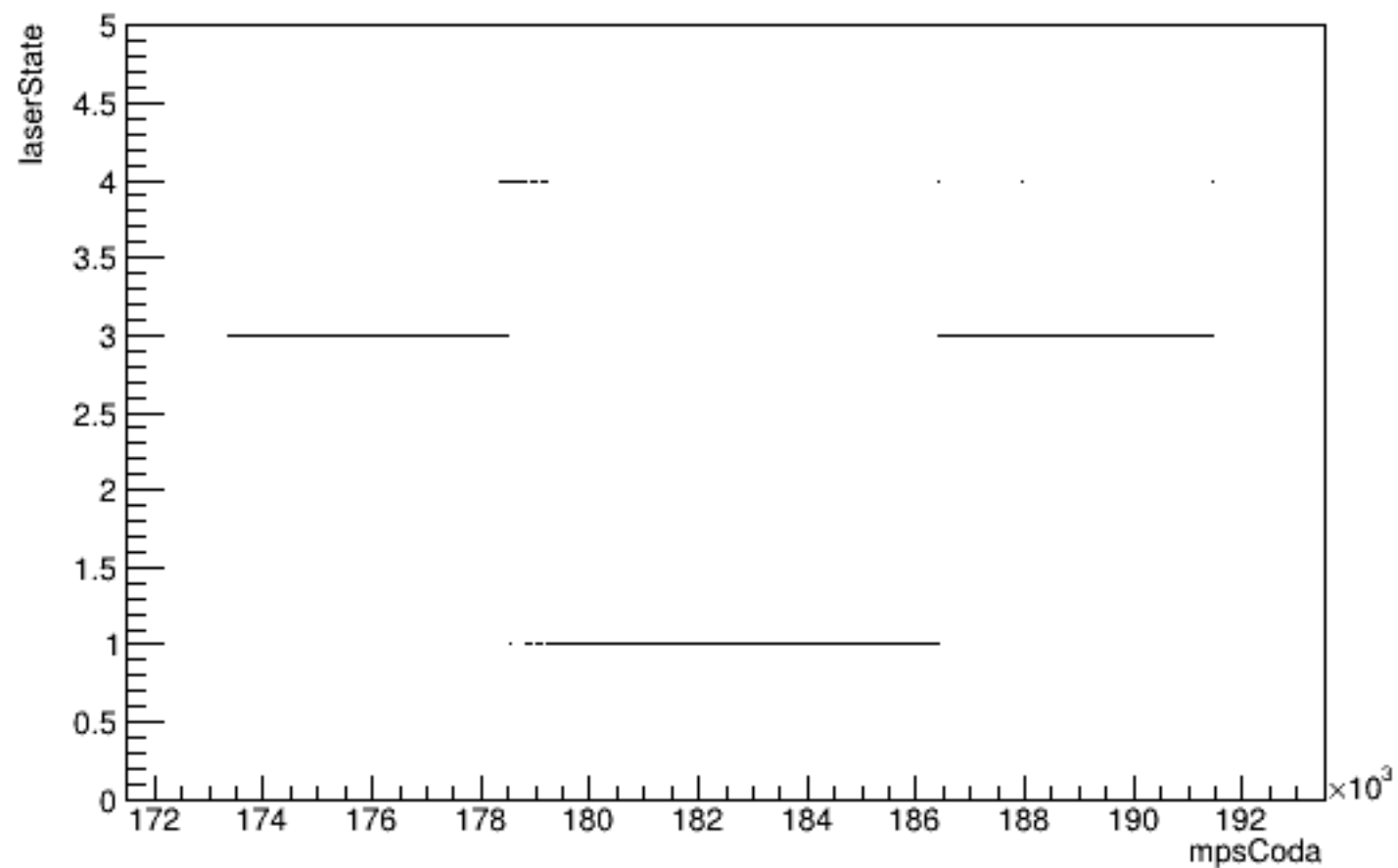
Run 5977 quartetwise, Asyms



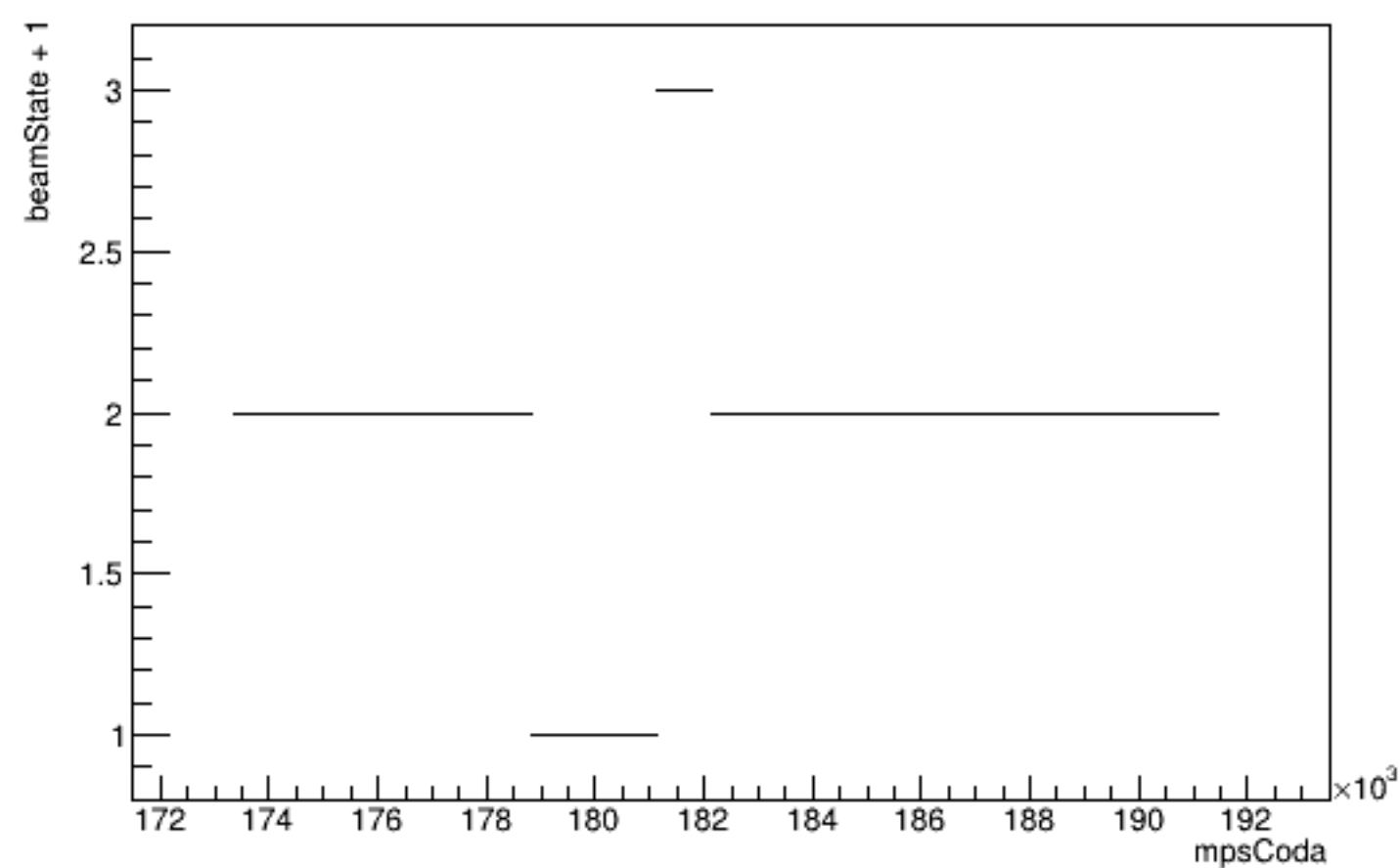
Acc0/NAcc0:mpsCoda (mpsCoda>=173331 && mpsCoda<=191474 && beamState==1)



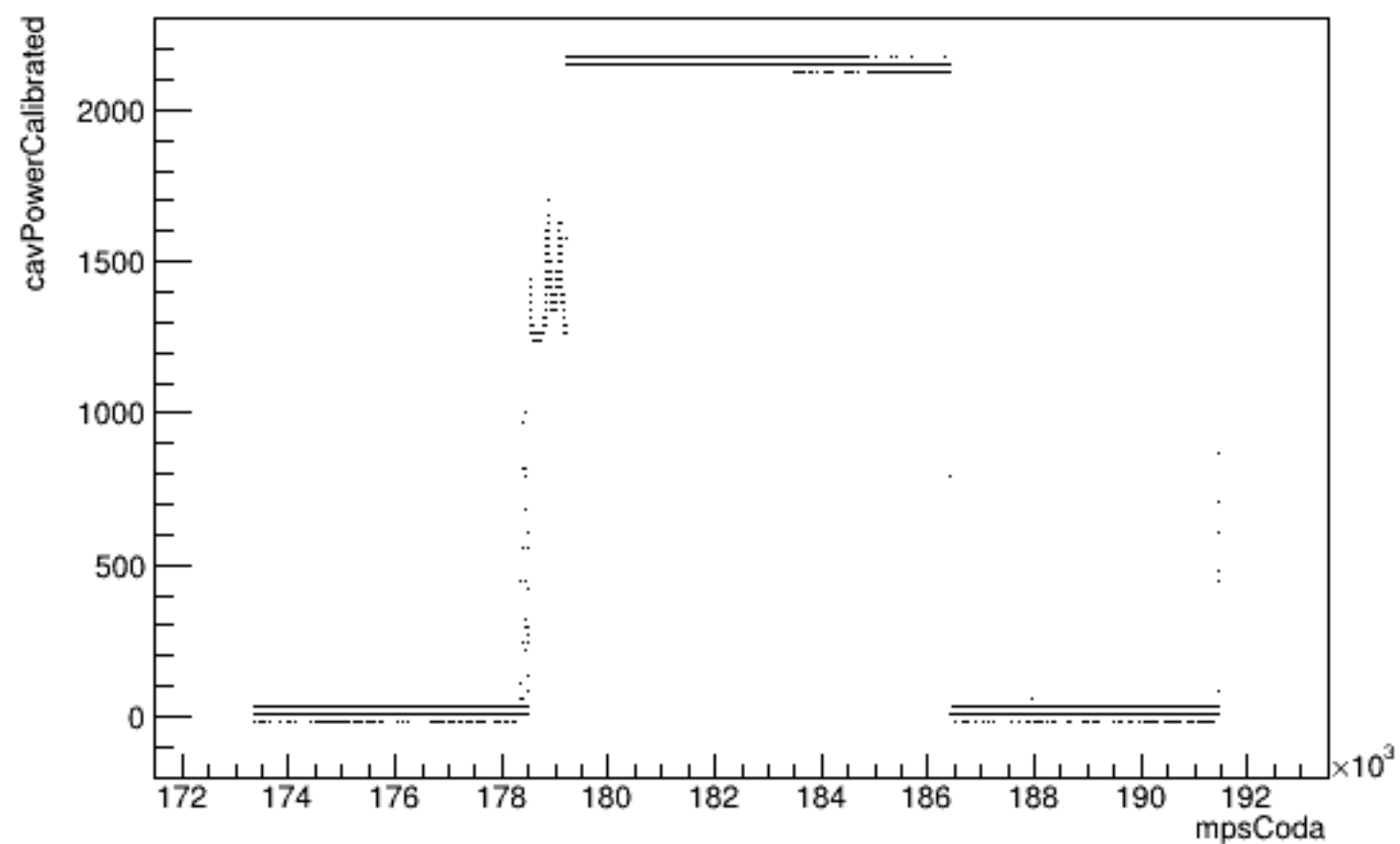
laserState:mpsCoda {mpsCoda&gt;=173331 &amp;&amp; mpsCoda&lt;=191474}



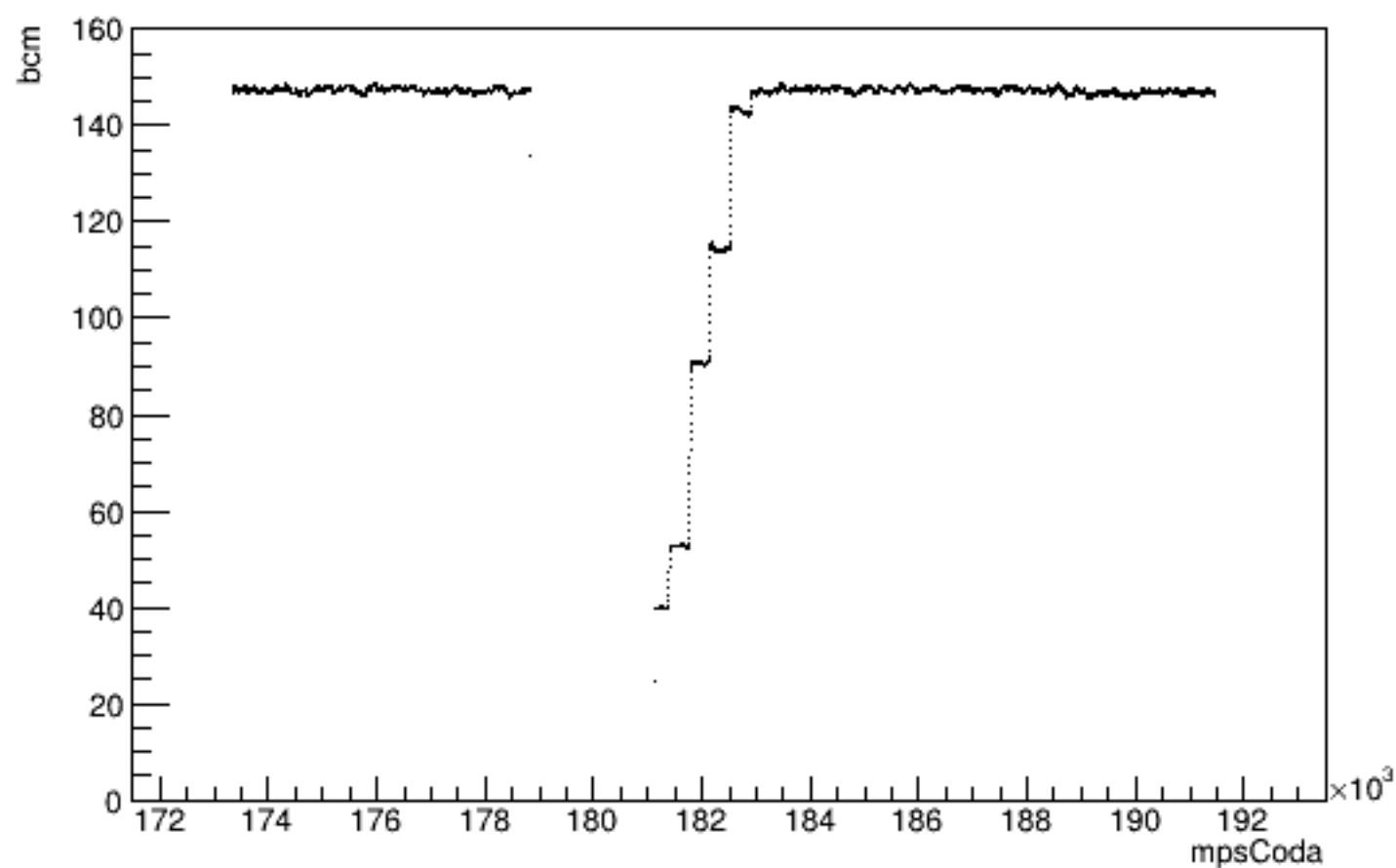
beamState + 1:mpsCoda {mpsCoda&gt;=173331 &amp;&amp; mpsCoda&lt;=191474}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=173331 &amp;&amp; mpsCoda&lt;=191474}



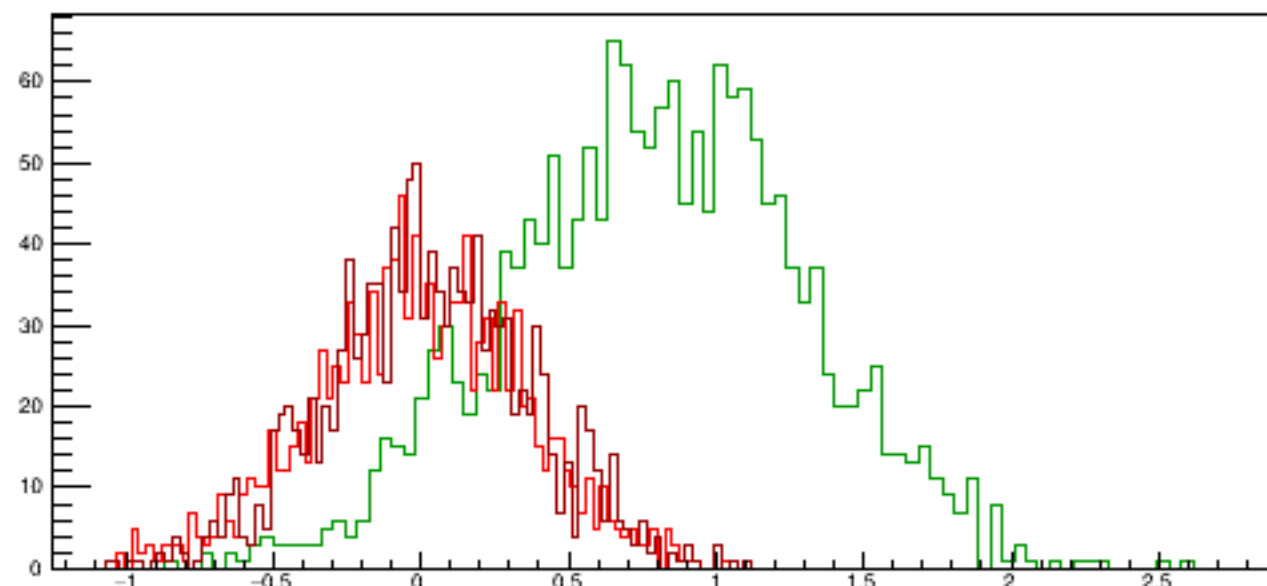
bcm:mpsCoda {mpsCoda&gt;=173331 &amp;&amp; mpsCoda&lt;=191474}



## Cycle 11, Diffs

| Entries: 1257              | Entries: 1801              | Entries: 1272              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0100 +/- 0.0100   | Mean: 0.7940 +/- 0.0120    | Mean: 0.0254 +/- 0.0097    |
| Std Dev: 0.3547 +/- 0.0071 | Std Dev: 0.5087 +/- 0.0085 | Std Dev: 0.3461 +/- 0.0069 |

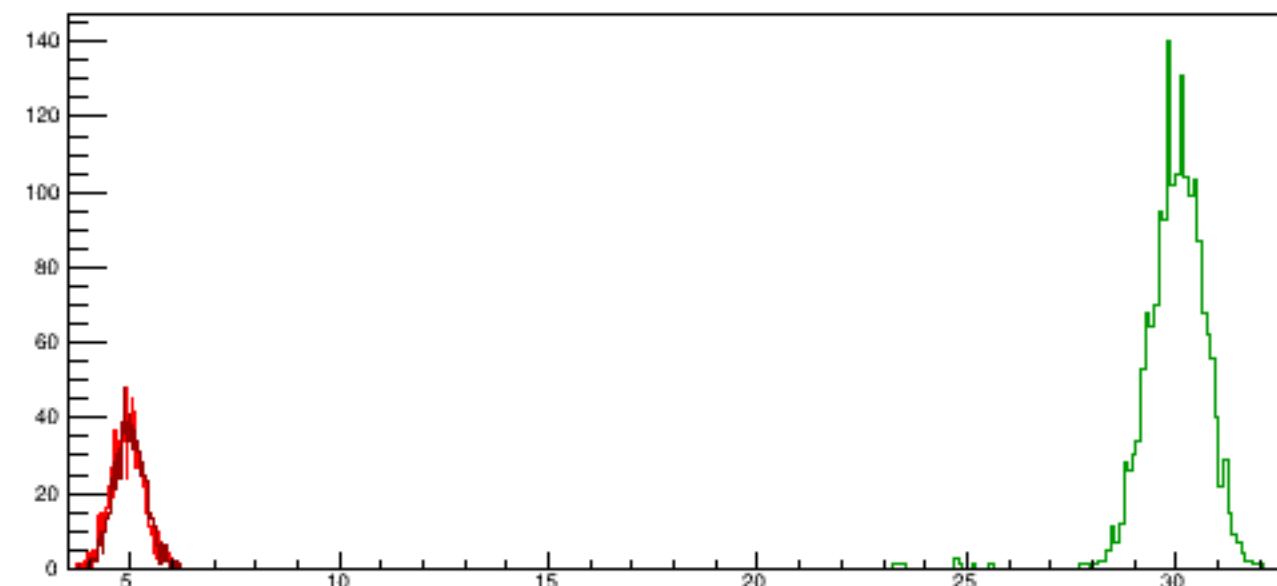
Run 5977 quartetwise, Diffs



## Cycle 11, Sums

| Entries: 1257              | Entries: 1801              | Entries: 1272              |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.9152 +/- 0.0108    | Mean: 29.9982 +/- 0.0177   | Mean: 4.9791 +/- 0.0104    |
| Std Dev: 0.3844 +/- 0.0077 | Std Dev: 0.7502 +/- 0.0125 | Std Dev: 0.3718 +/- 0.0074 |

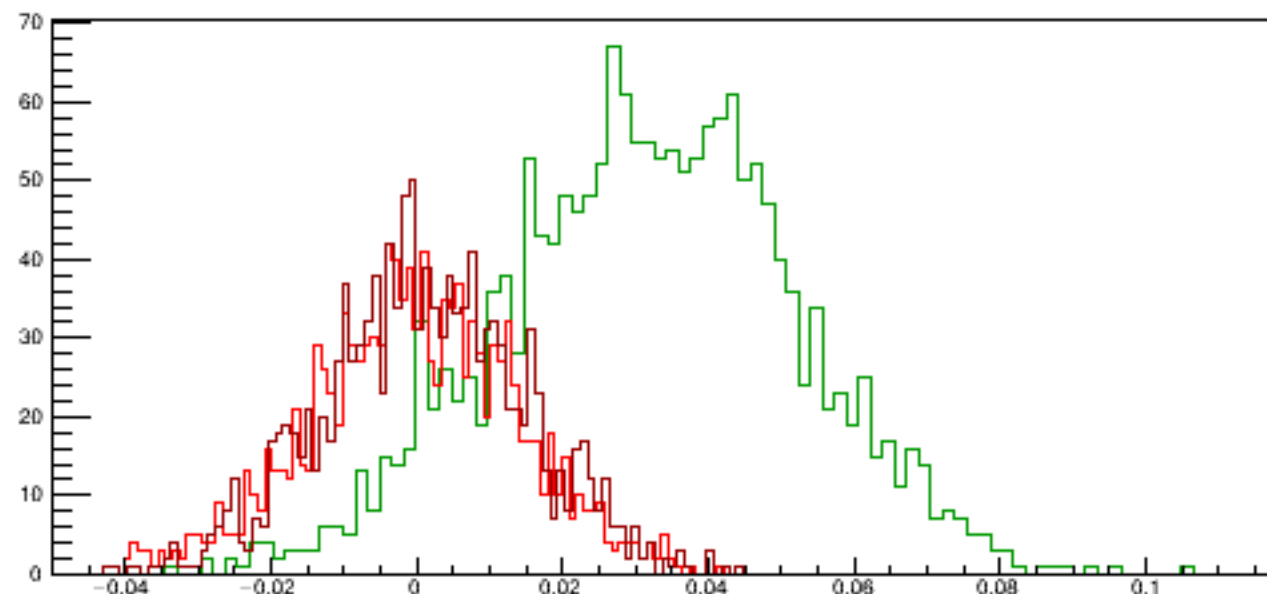
Run 5977 quartetwise, Sums



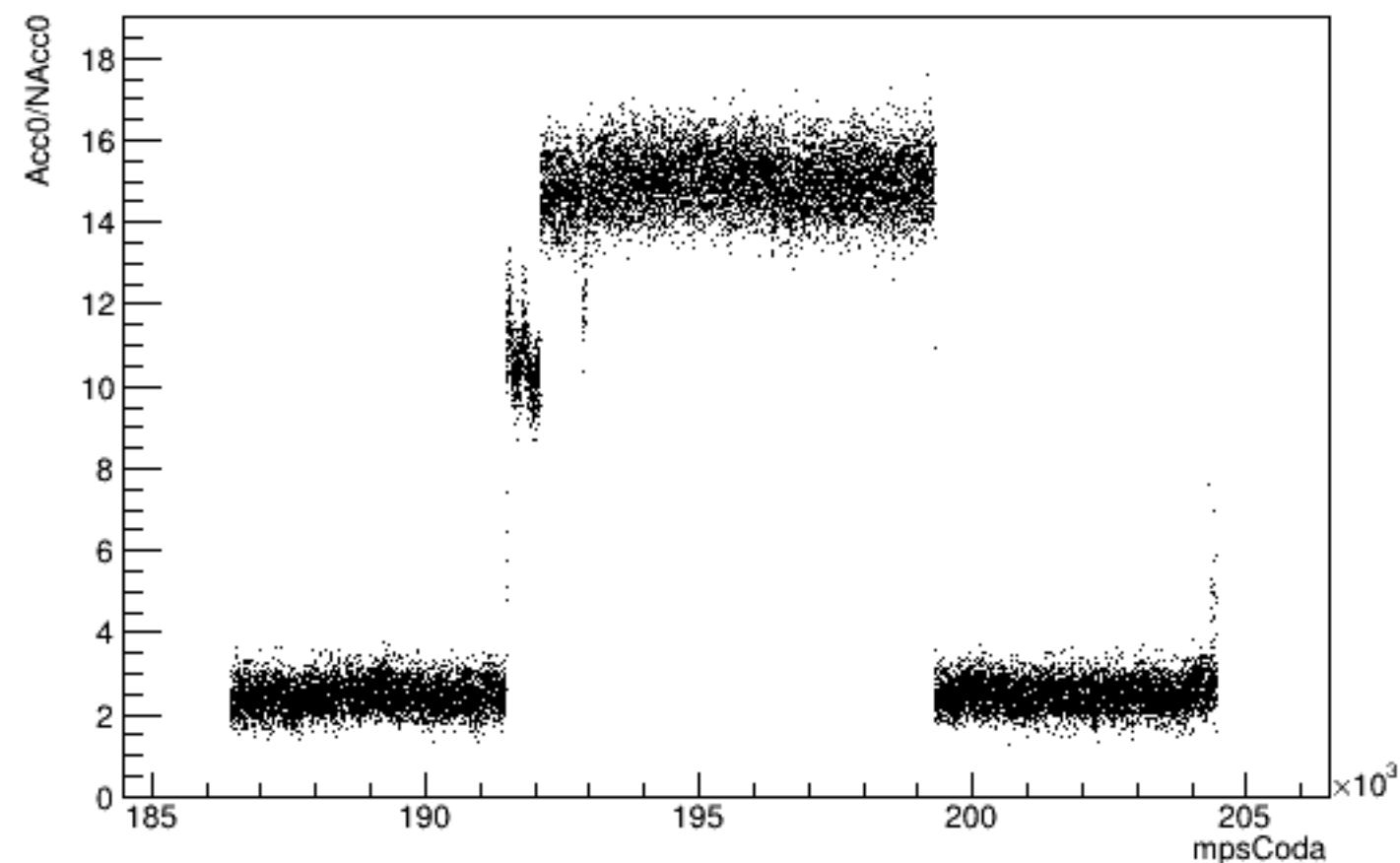
## Cycle 11, Asyms

| Entries: 1257              | Entries: 1801              | Entries: 1272              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0004 +/- 0.0004   | Mean: 0.0317 +/- 0.0005    | Mean: 0.0010 +/- 0.0004    |
| Std Dev: 0.0142 +/- 0.0003 | Std Dev: 0.0203 +/- 0.0003 | Std Dev: 0.0138 +/- 0.0003 |

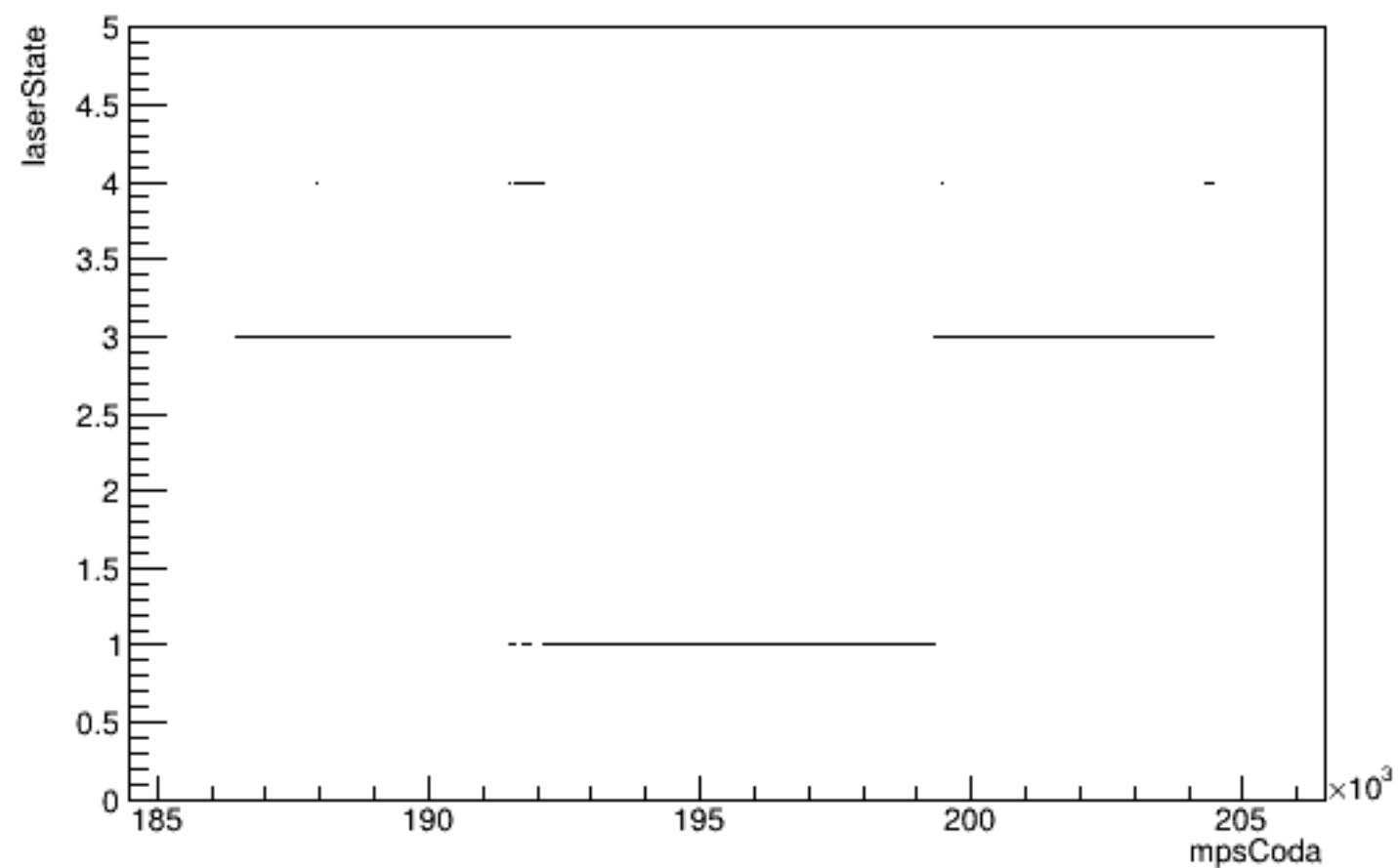
Run 5977 quartetwise, Asyms



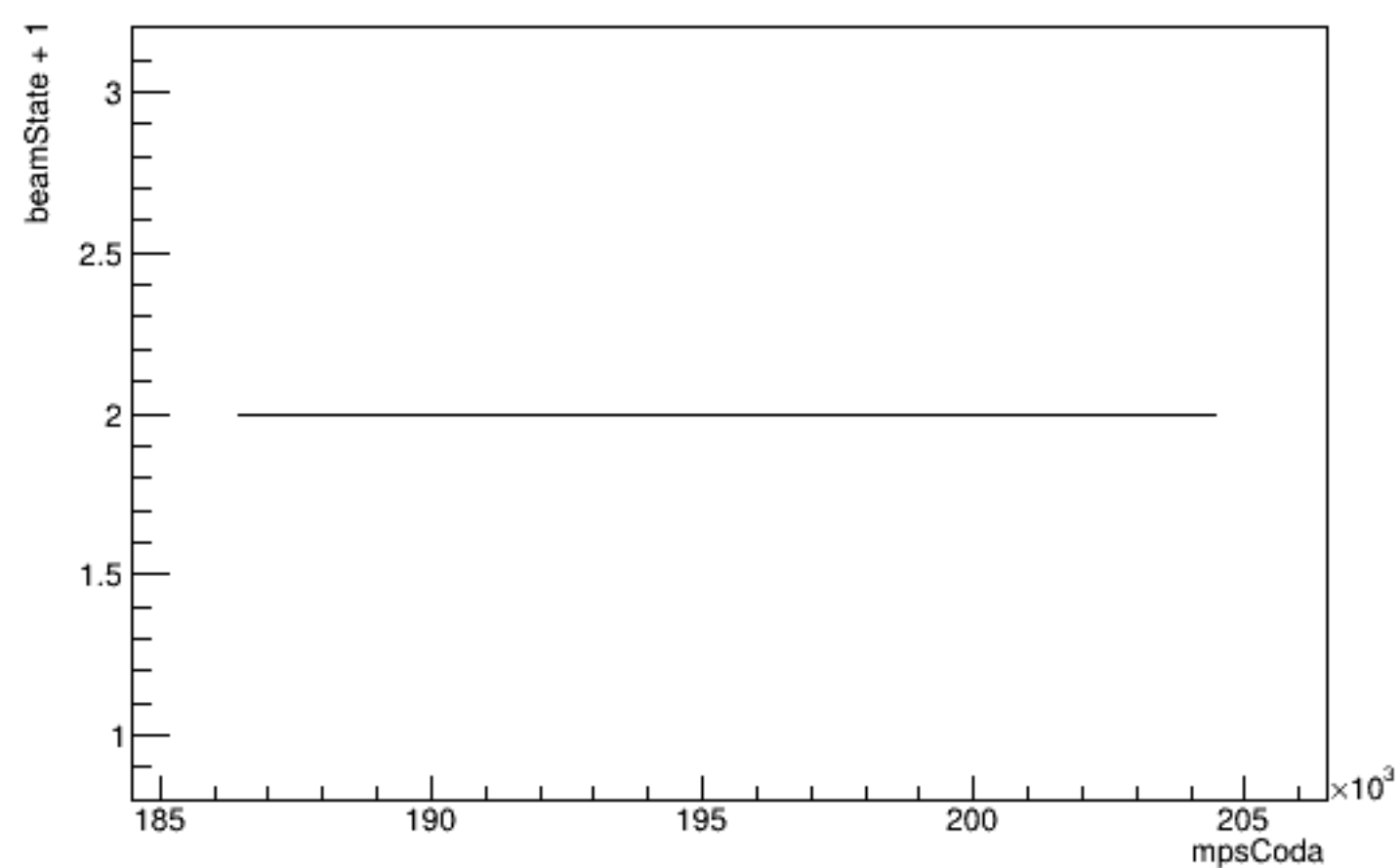
Acc0/NAcc0:mpsCoda (mpsCoda>=186435 && mpsCoda<=204450 && beamState==1)



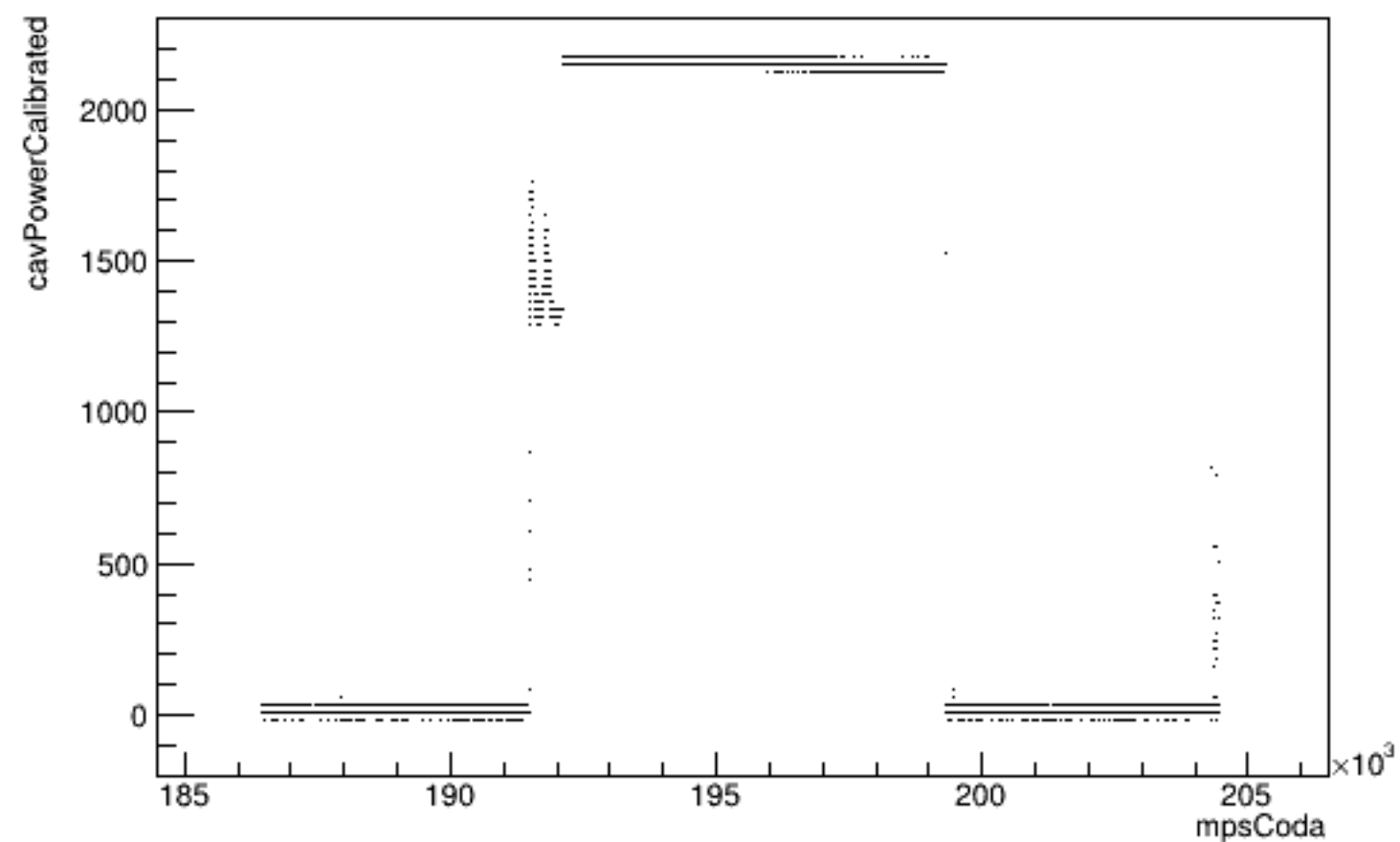
laserState:mpsCoda {mpsCoda&gt;=186435 &amp;&amp; mpsCoda&lt;=204450}



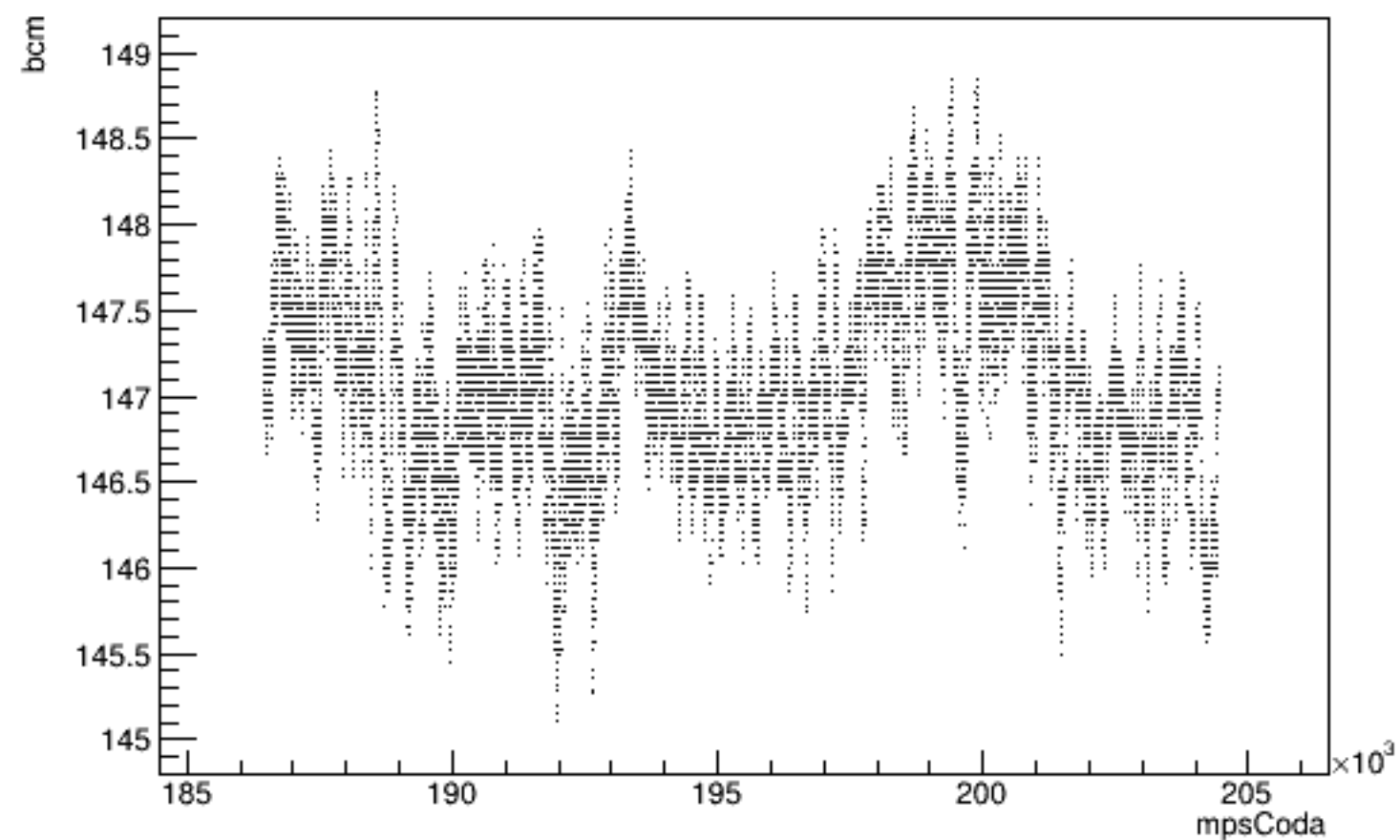
beamState + 1:mpsCoda {mpsCoda&gt;=186435 &amp;&amp; mpsCoda&lt;=204450}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=186435 &amp;&amp; mpsCoda&lt;=204450}



bcm:mpsCoda {mpsCoda&gt;=186435 &amp;&amp; mpsCoda&lt;=204450}



## Cycle 12, Diffs

Entries: 1272

Mean: 0.0254 +/- 0.0097

Std Dev: 0.3461 +/- 0.0069

Entries: 1800

Mean: 0.7882 +/- 0.0122

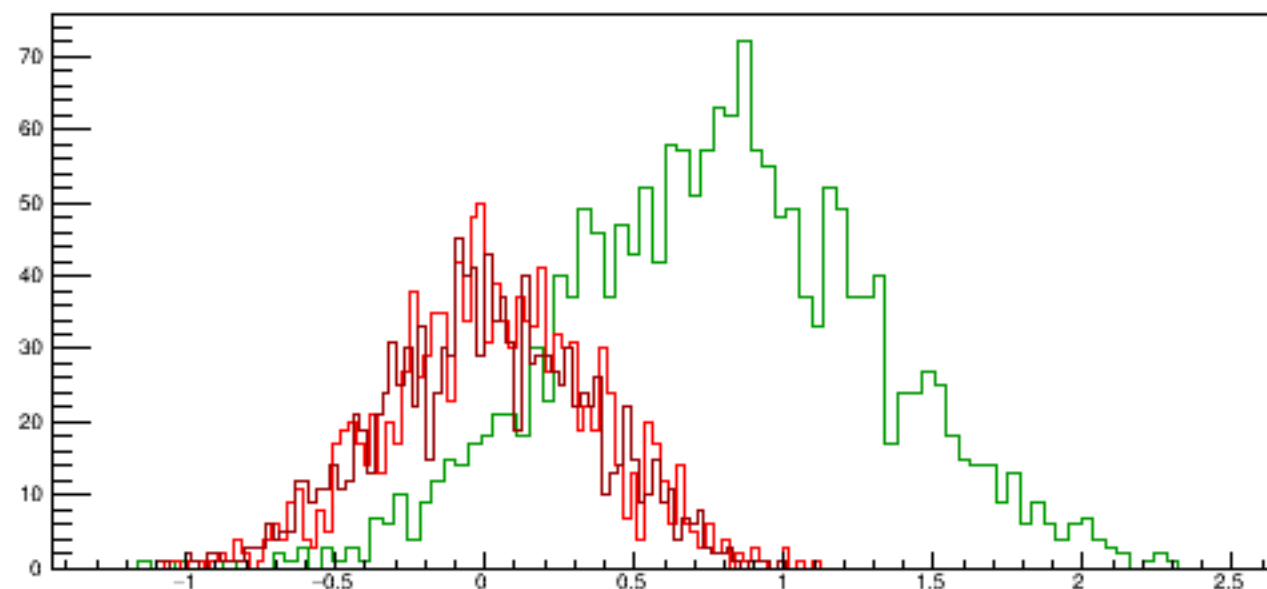
Std Dev: 0.5179 +/- 0.0086

Entries: 1259

Mean: -0.0000 +/- 0.0099

Std Dev: 0.3515 +/- 0.0070

Run 5977 quartetwise, Diffs



## Cycle 12, Sums

Entries: 1272

Mean: 4.9791 +/- 0.0104

Std Dev: 0.3718 +/- 0.0074

Entries: 1800

Mean: 30.1348 +/- 0.0159

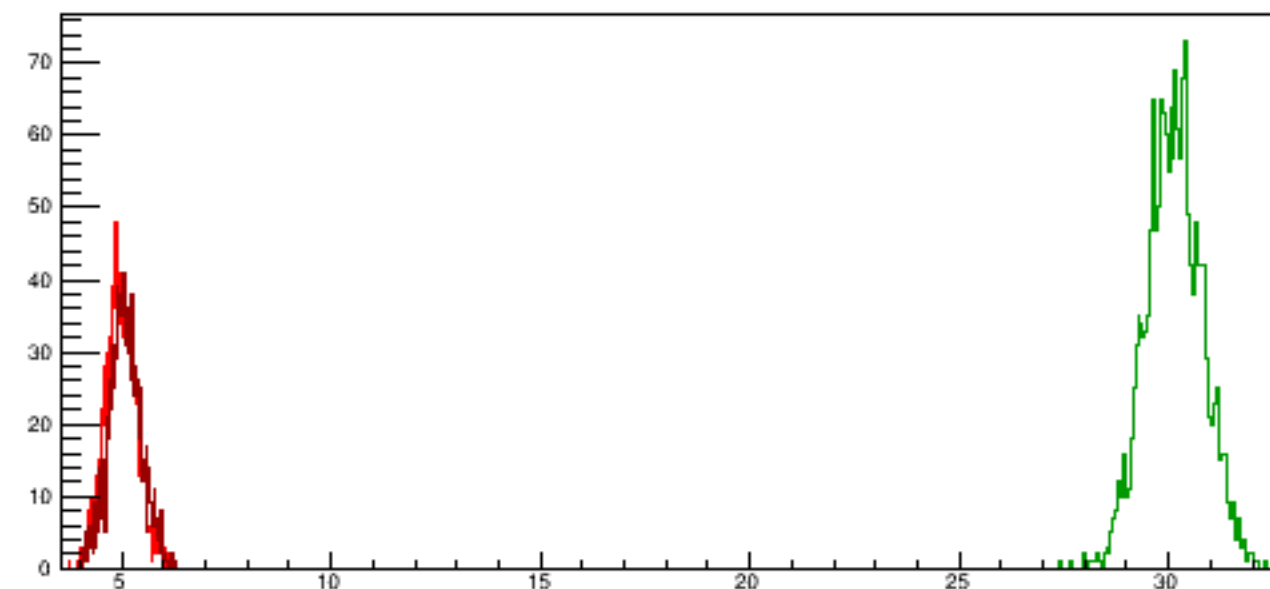
Std Dev: 0.6744 +/- 0.0112

Entries: 1259

Mean: 5.0804 +/- 0.0106

Std Dev: 0.3757 +/- 0.0075

Run 5977 quartetwise, Sums



## Cycle 12, Asyms

Entries: 1272

Mean: 0.0010 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 1800

Mean: 0.0314 +/- 0.0005

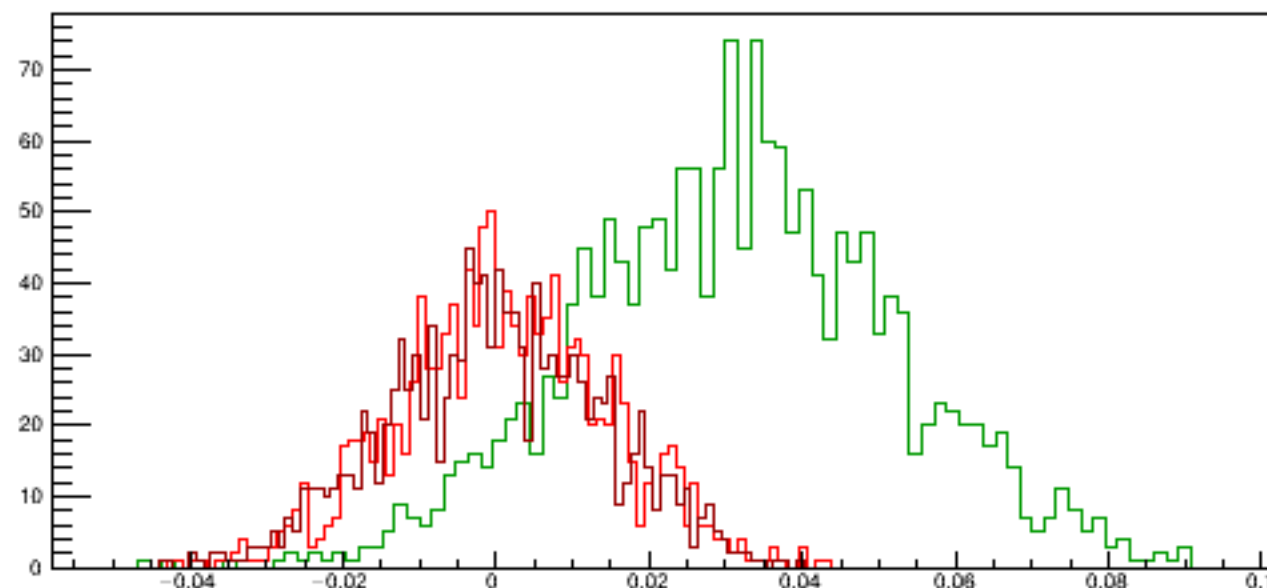
Std Dev: 0.0206 +/- 0.0003

Entries: 1259

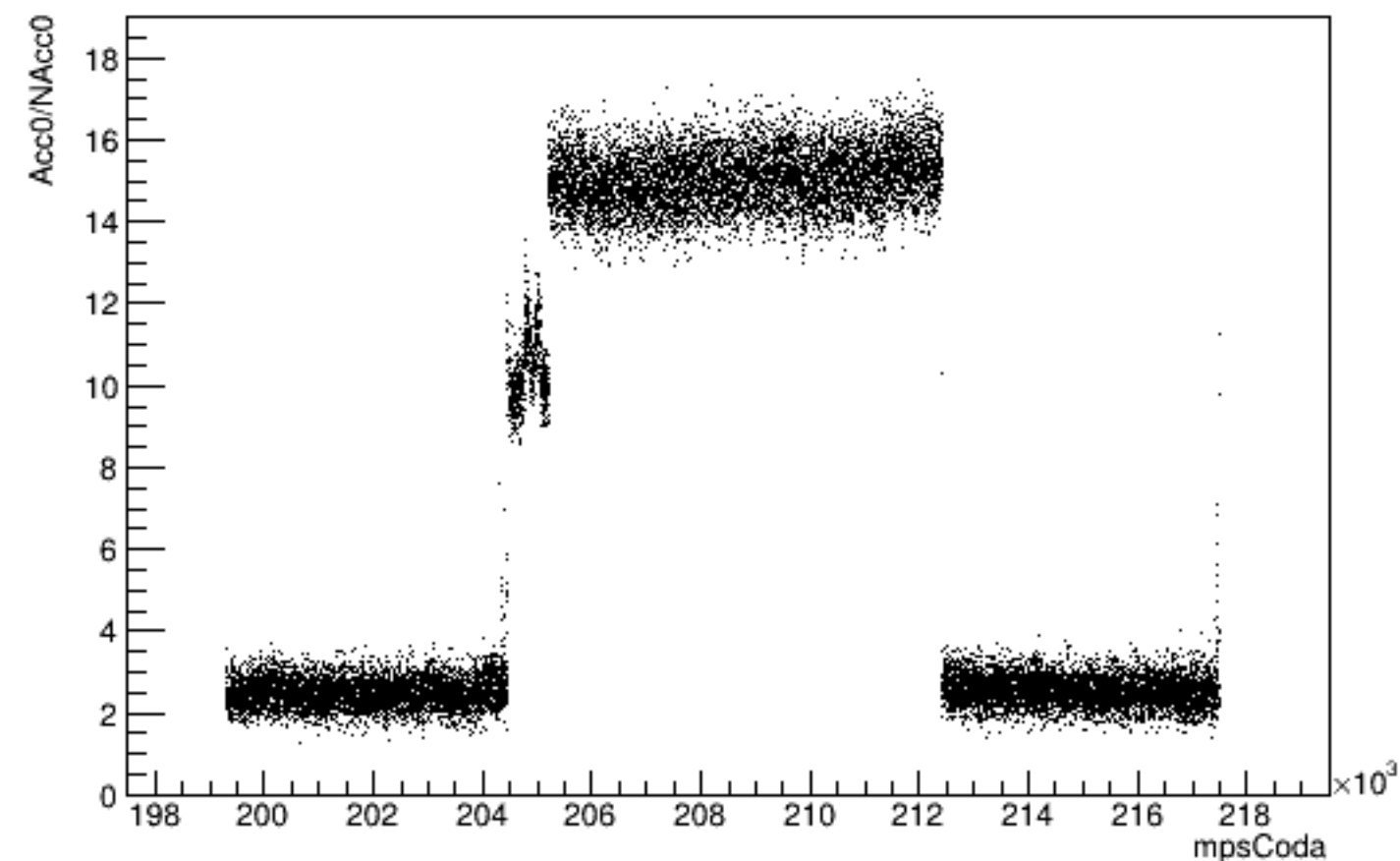
Mean: -0.0000 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

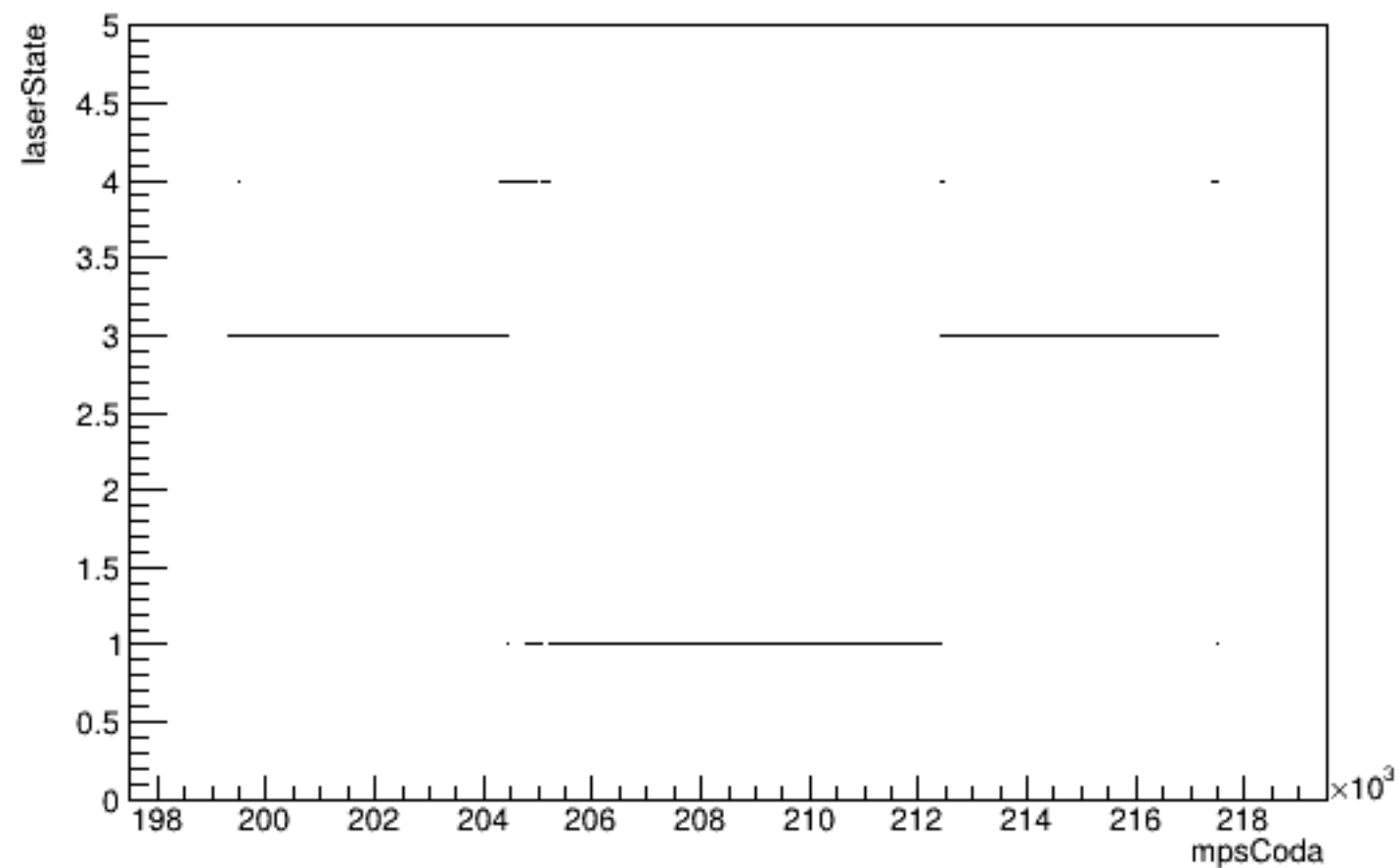
Run 5977 quartetwise, Asyms



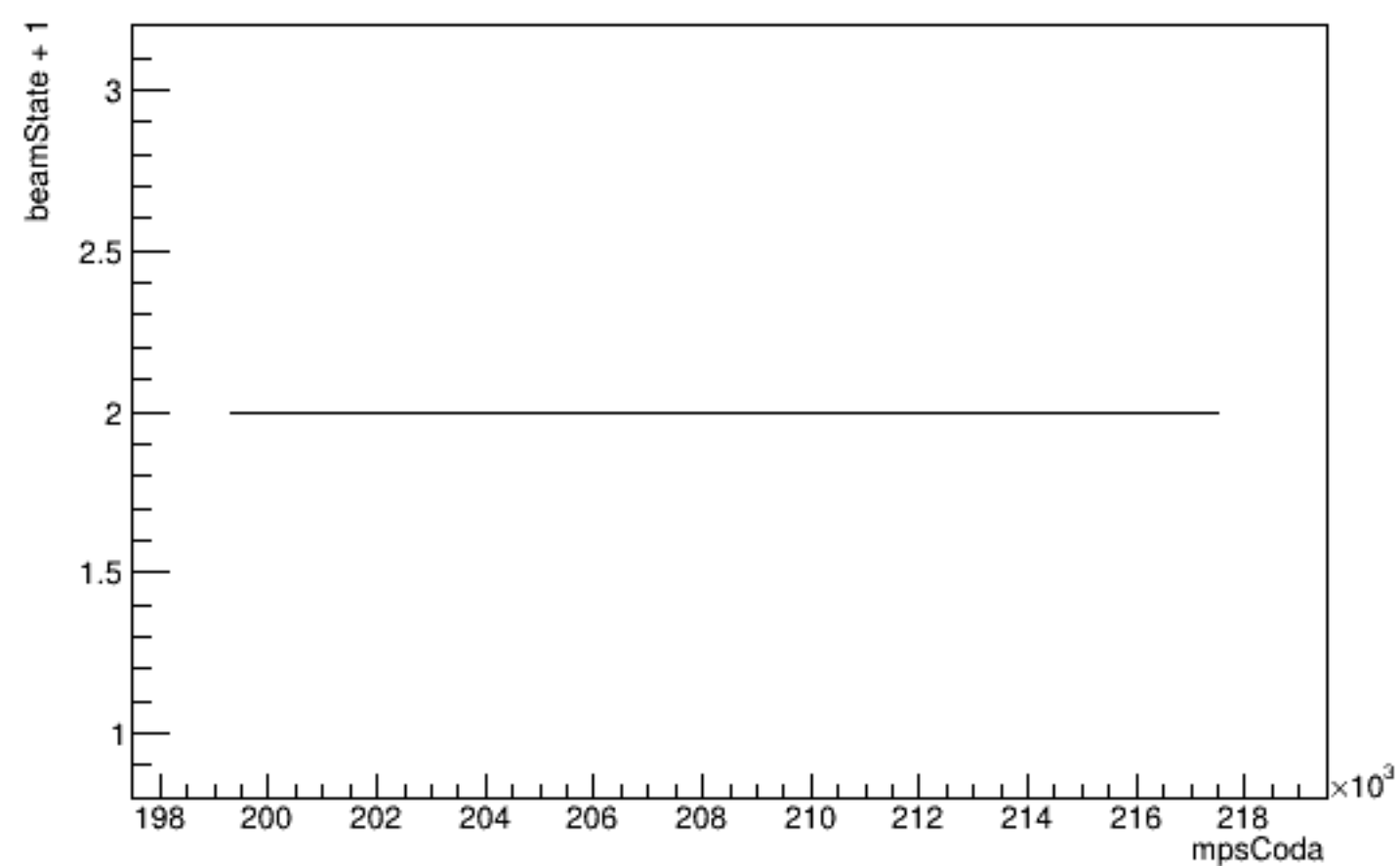
Acc0/NAcc0:mpsCoda (mpsCoda>=199303 && mpsCoda<=217490 && beamState==1)



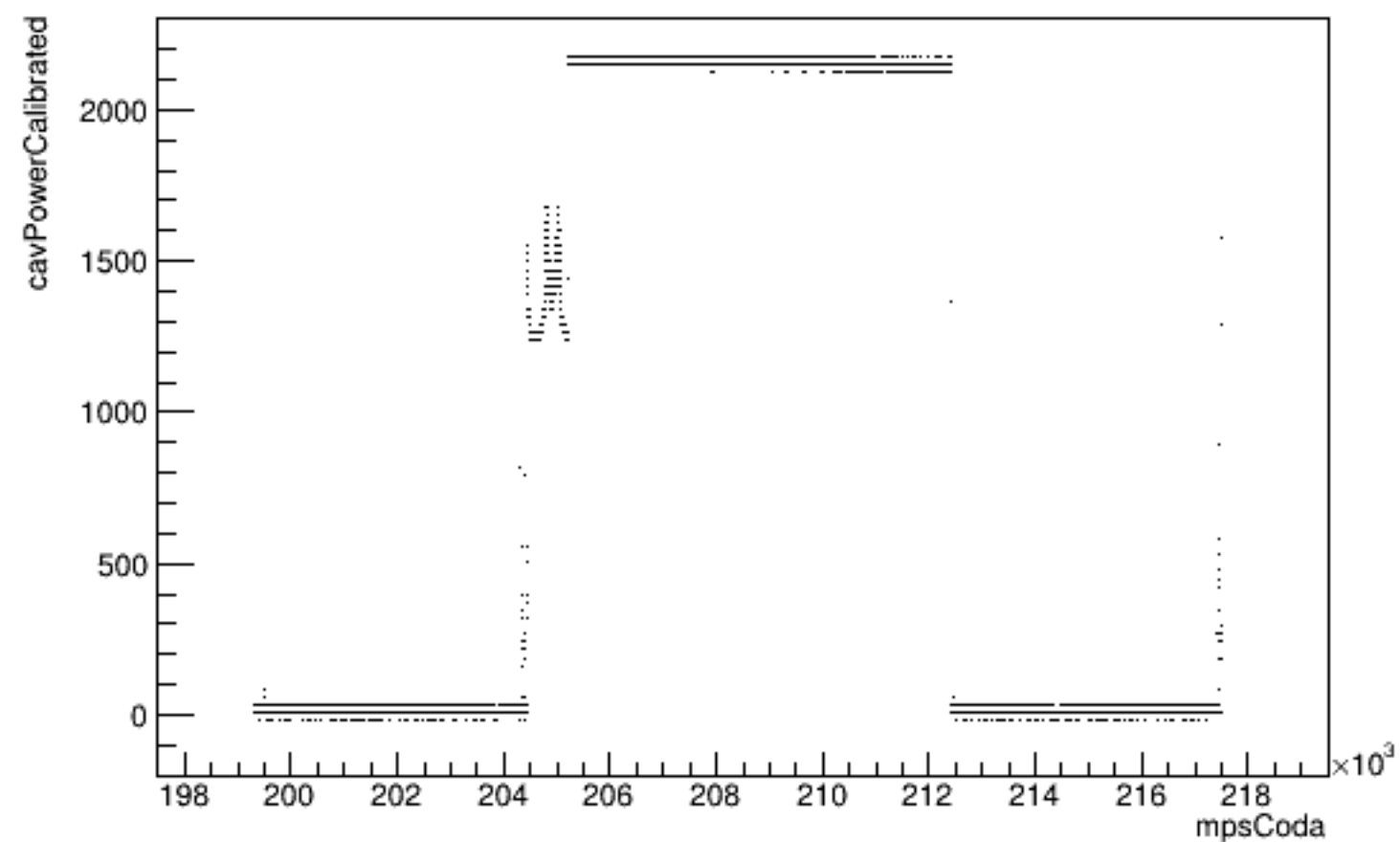
laserState:mpsCoda {mpsCoda&gt;=199303 &amp;&amp; mpsCoda&lt;=217490}



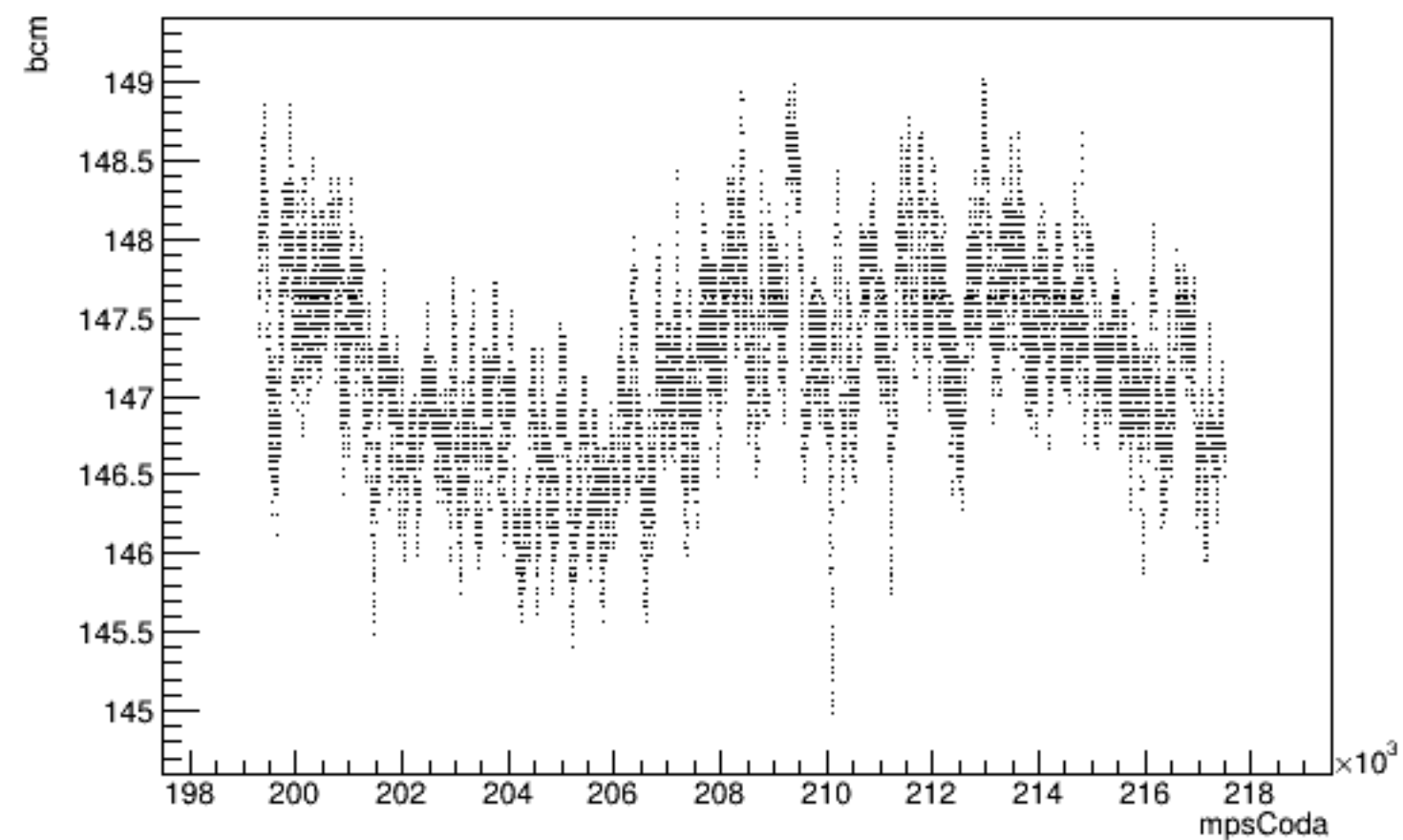
beamState + 1:mpsCoda {mpsCoda&gt;=199303 &amp;&amp; mpsCoda&lt;=217490}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=199303 &amp;&amp; mpsCoda&lt;=217490}



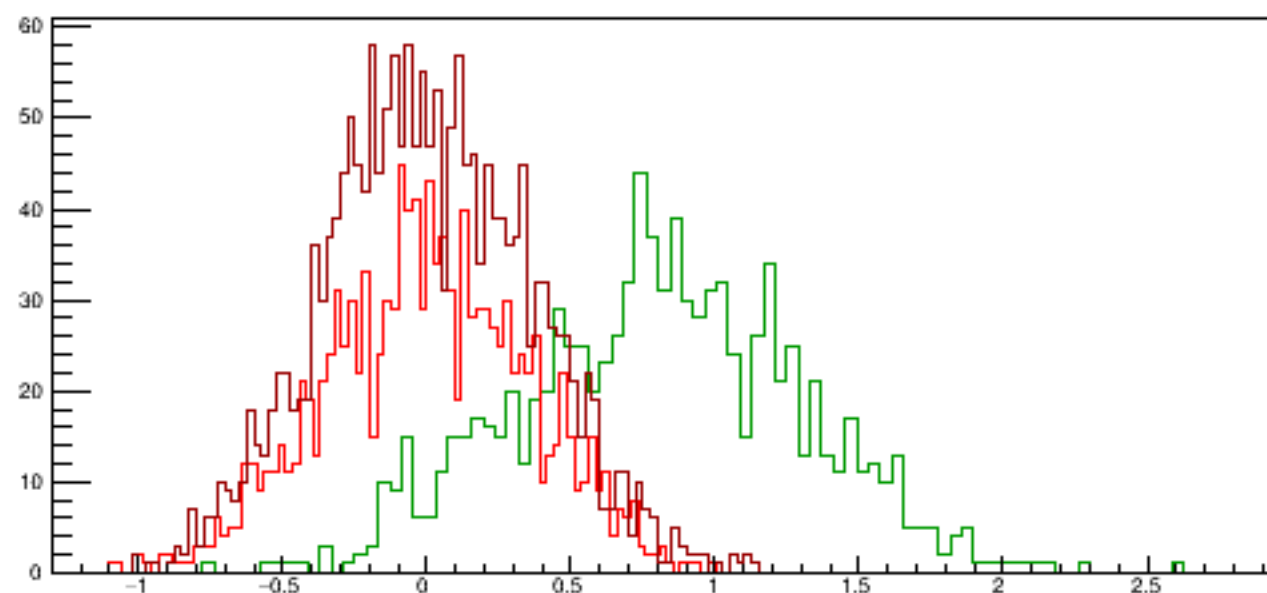
bcm:mpsCoda {mpsCoda&gt;=199303 &amp;&amp; mpsCoda&lt;=217490}



## Cycle 13, Diffs

| Entries: 1259              | Entries: 973               | Entries: 1906              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0000 +/- 0.0099   | Mean: 0.8085 +/- 0.0158    | Mean: 0.0056 +/- 0.0082    |
| Std Dev: 0.3515 +/- 0.0070 | Std Dev: 0.4915 +/- 0.0111 | Std Dev: 0.3581 +/- 0.0058 |

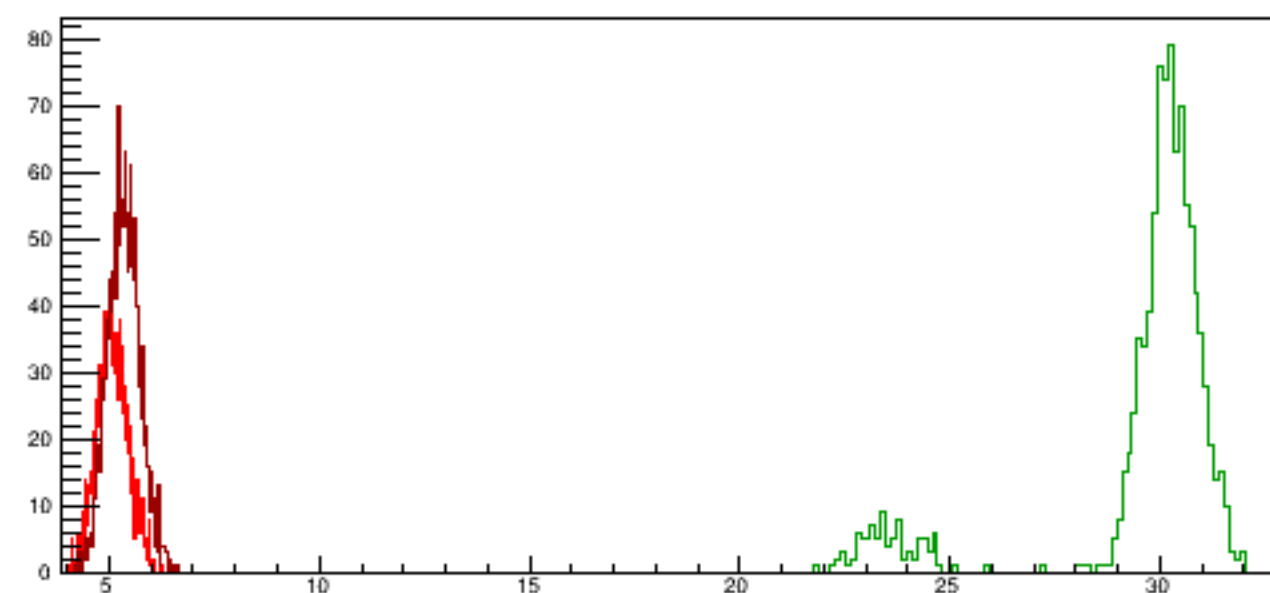
Run 5977 quartetwise, Diffs



## Cycle 13, Sums

| Entries: 1259              | Entries: 973               | Entries: 1906              |
|----------------------------|----------------------------|----------------------------|
| Mean: 5.0804 +/- 0.0106    | Mean: 29.6435 +/- 0.0664   | Mean: 5.3386 +/- 0.0088    |
| Std Dev: 0.3757 +/- 0.0075 | Std Dev: 2.0712 +/- 0.0470 | Std Dev: 0.3821 +/- 0.0062 |

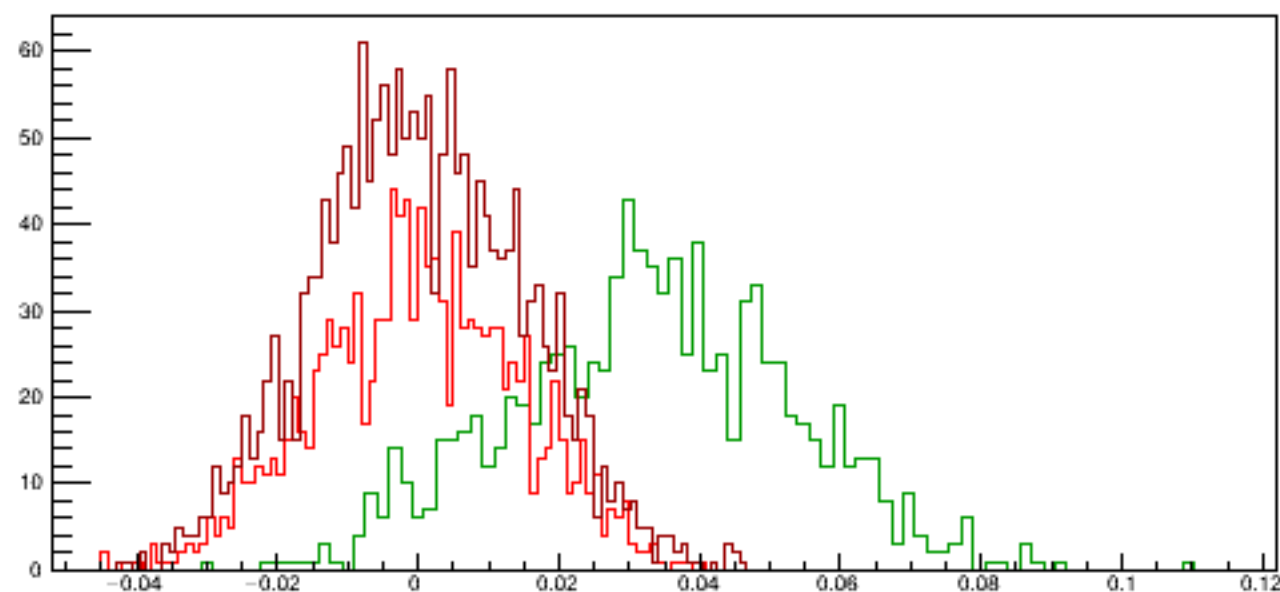
Run 5977 quartetwise, Sums



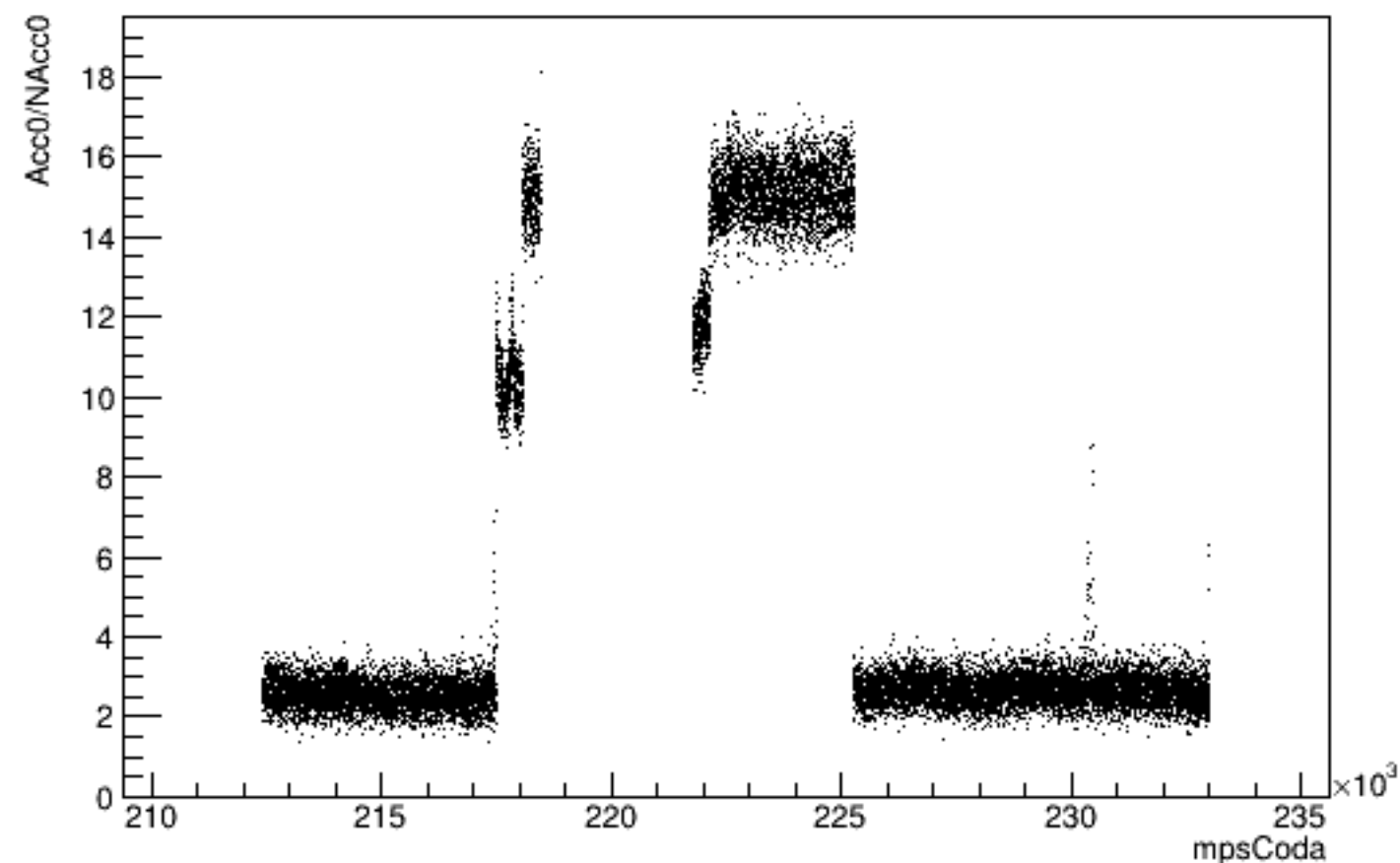
## Cycle 13, Asyms

| Entries: 1259              | Entries: 973               | Entries: 1906              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0000 +/- 0.0004   | Mean: 0.0332 +/- 0.0006    | Mean: 0.0002 +/- 0.0003    |
| Std Dev: 0.0144 +/- 0.0003 | Std Dev: 0.0201 +/- 0.0005 | Std Dev: 0.0147 +/- 0.0002 |

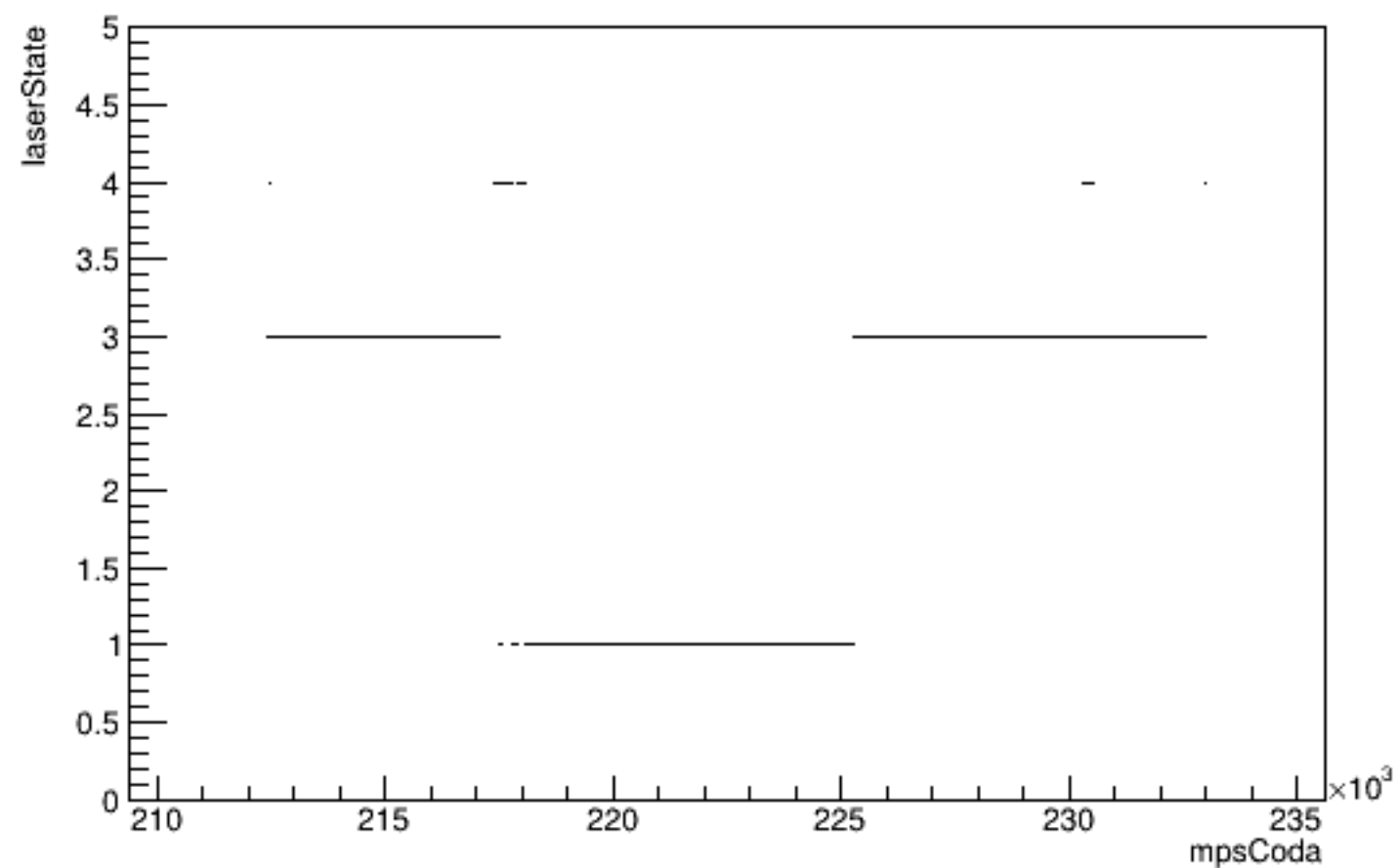
Run 5977 quartetwise, Asyms



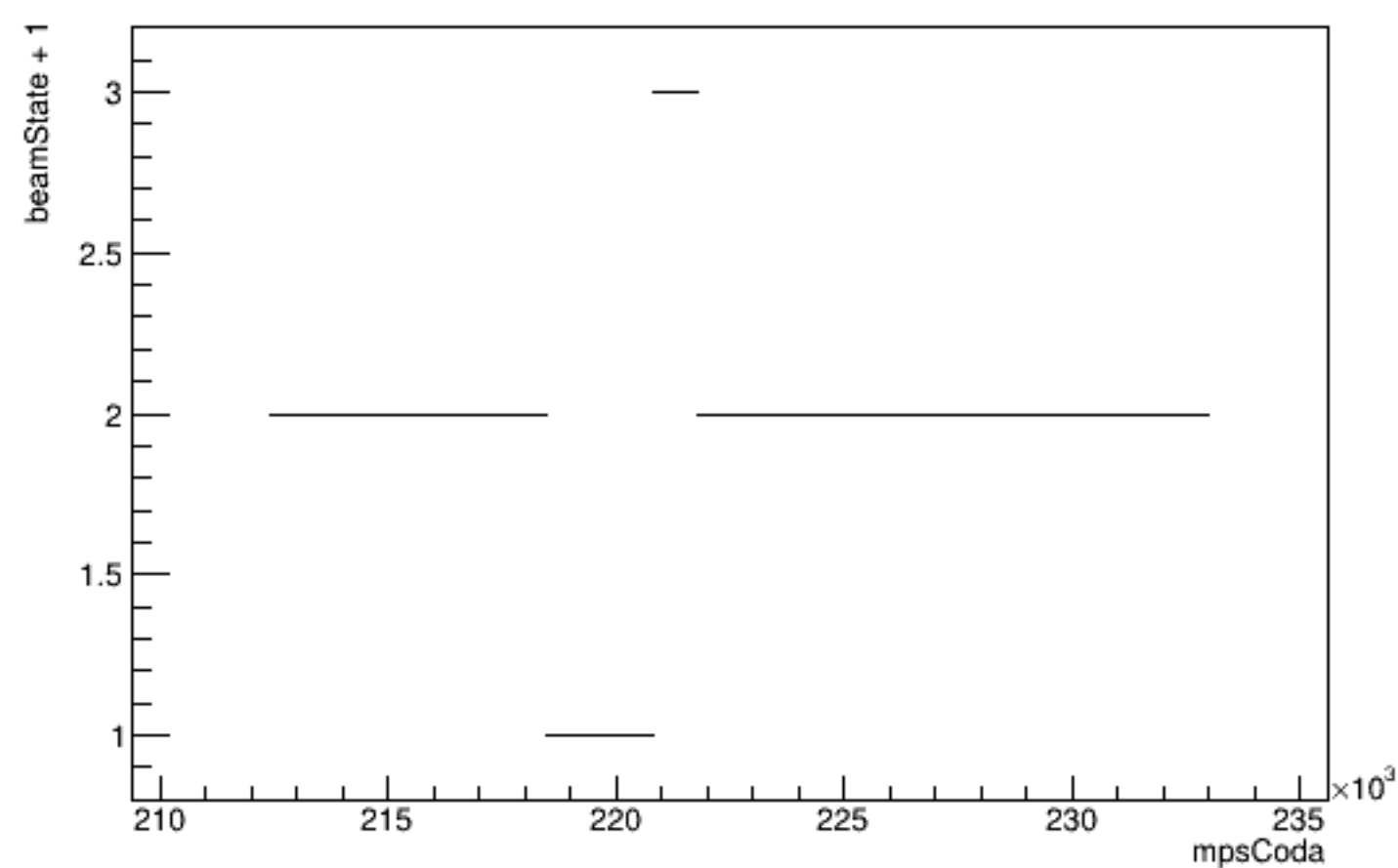
Acc0/NAcc0:mpsCoda (mpsCoda>=212411 && mpsCoda<=233006 && beamState==1)



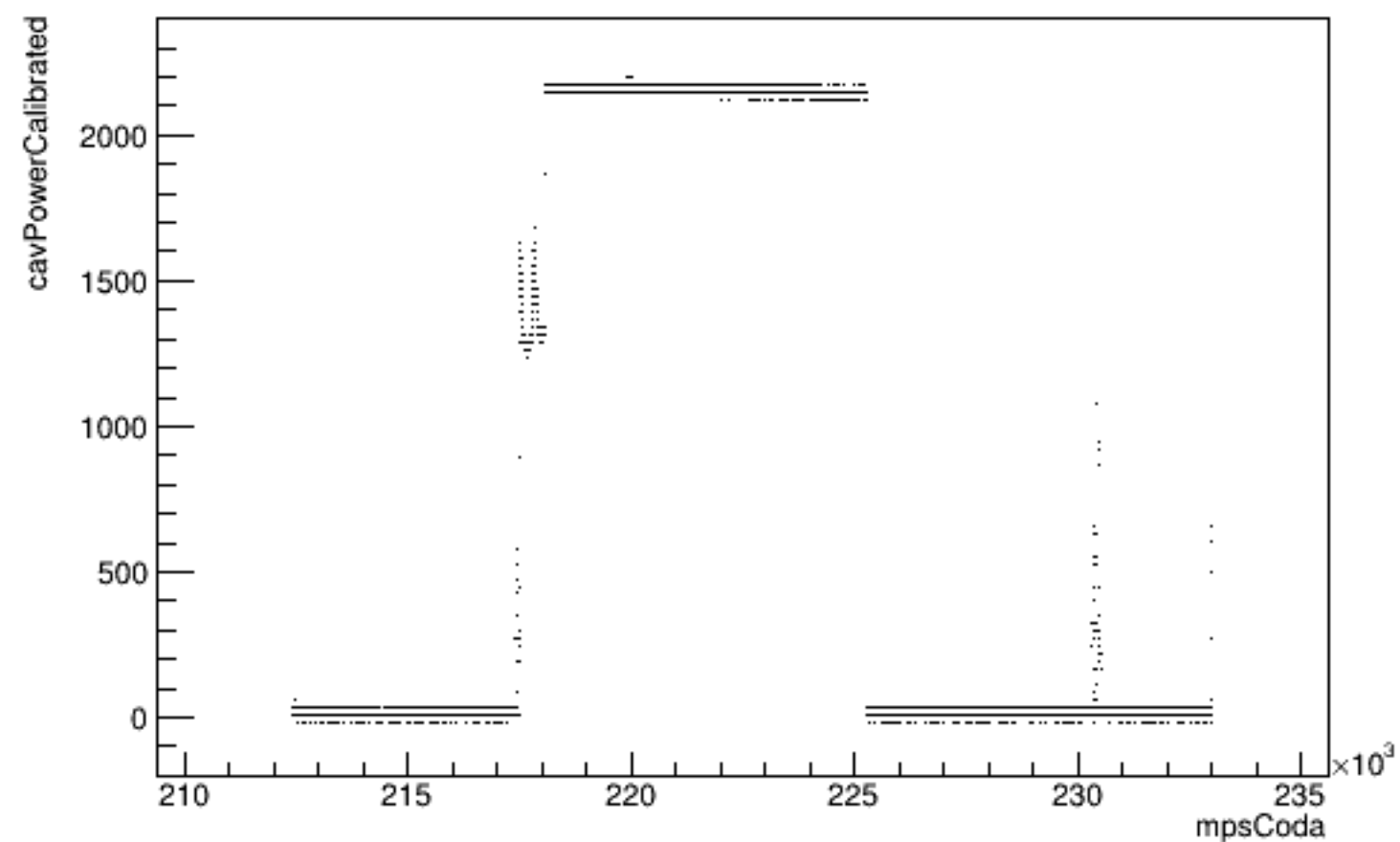
laserState:mpsCoda {mpsCoda&gt;=212411 &amp;&amp; mpsCoda&lt;=233006}



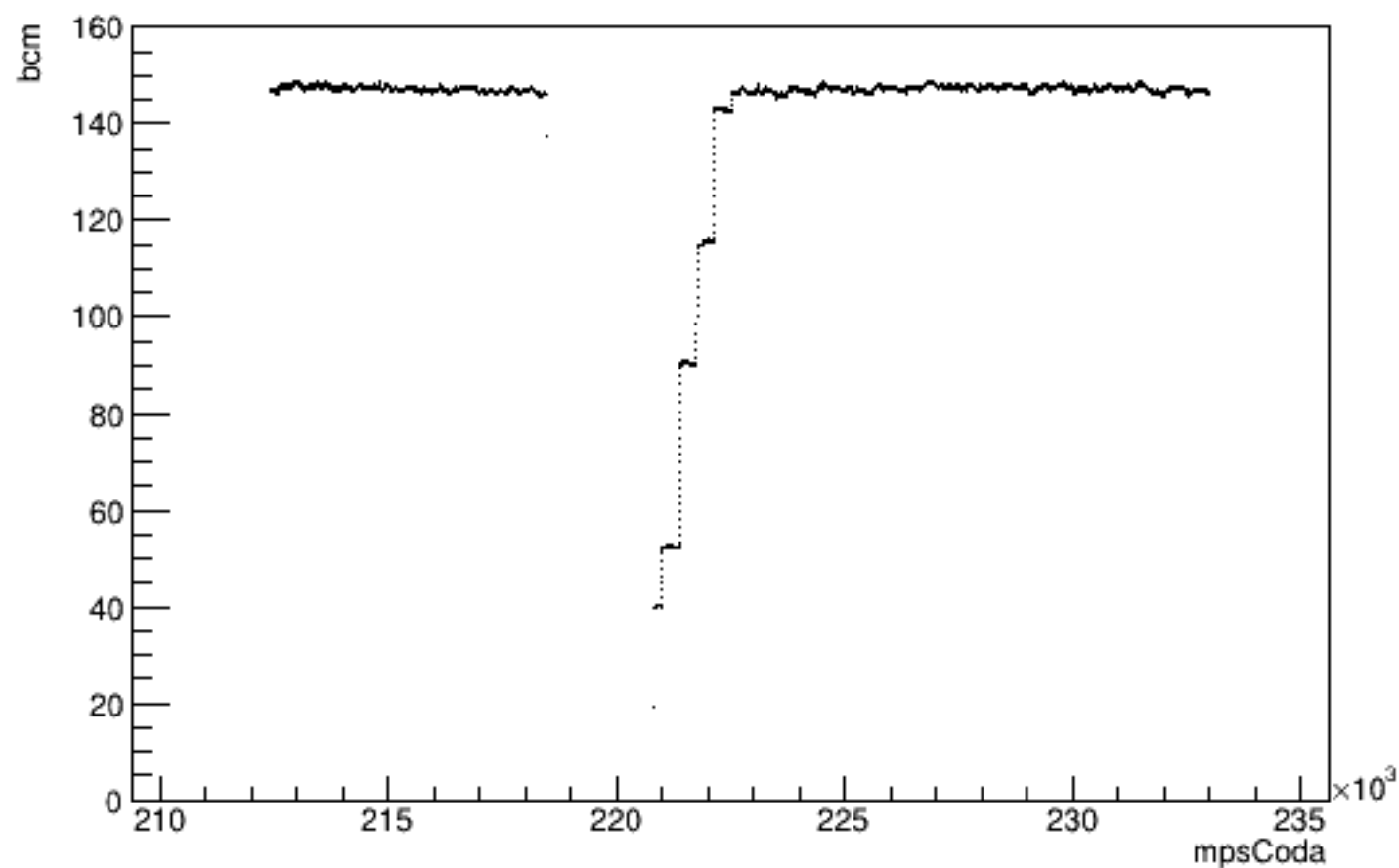
beamState + 1:mpsCoda {mpsCoda&gt;=212411 &amp;&amp; mpsCoda&lt;=233006}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=212411 &amp;&amp; mpsCoda&lt;=233006}



bcm:mpsCoda {mpsCoda&gt;=212411 &amp;&amp; mpsCoda&lt;=233006}



## Cycle 14, Diffs

Entries: 1247

Mean: 0.0001 +/- 0.0098

Std Dev: 0.3468 +/- 0.0069

Entries: 1802

Mean: 0.7985 +/- 0.0123

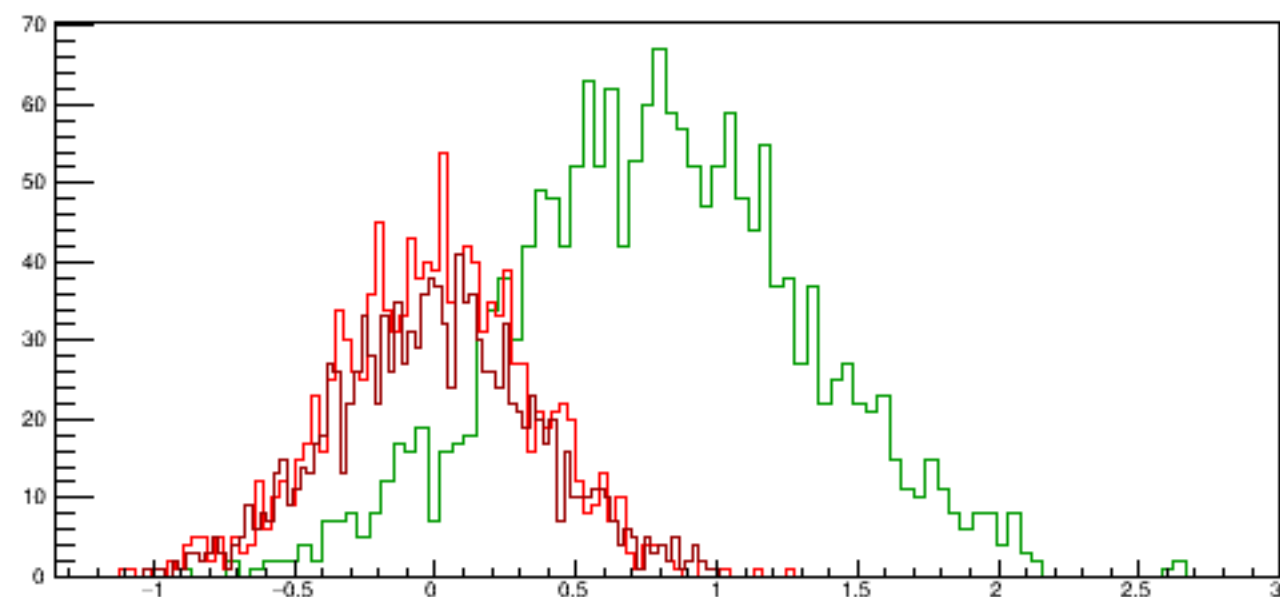
Std Dev: 0.5230 +/- 0.0087

Entries: 1250

Mean: -0.0004 +/- 0.0101

Std Dev: 0.3578 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 14, Sums

Entries: 1247

Mean: 5.0536 +/- 0.0107

Std Dev: 0.3771 +/- 0.0076

Entries: 1802

Mean: 30.0876 +/- 0.0158

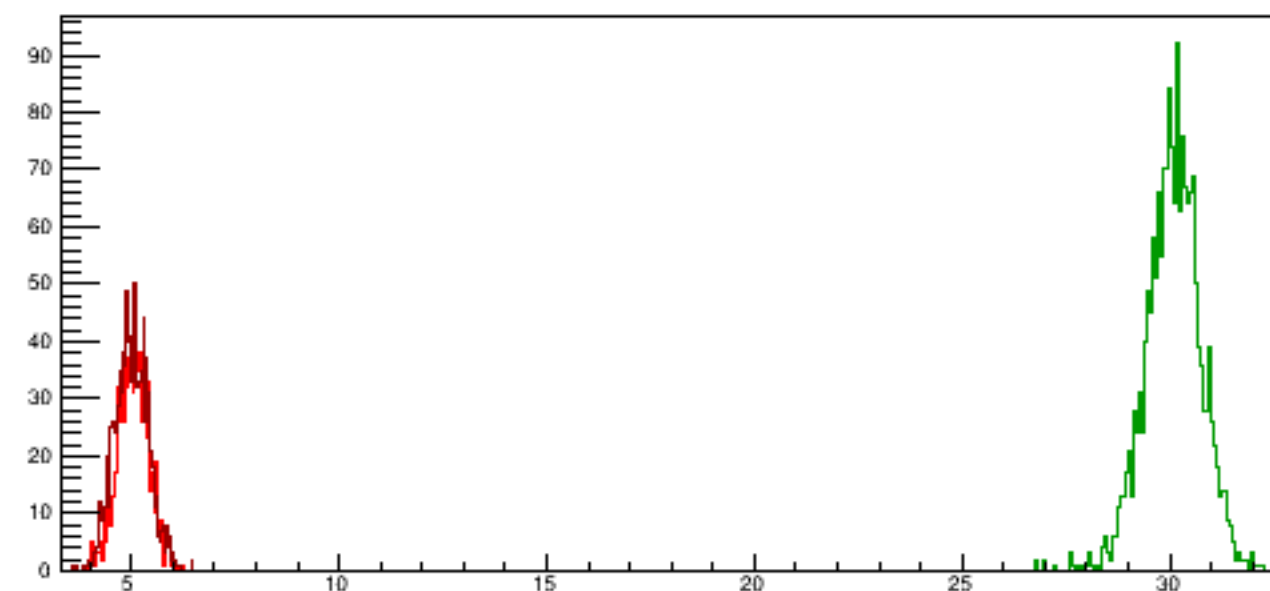
Std Dev: 0.6709 +/- 0.0112

Entries: 1250

Mean: 5.0021 +/- 0.0113

Std Dev: 0.4002 +/- 0.0080

Run 5977 quartetwise, Sums



## Cycle 14, Asyms

Entries: 1247

Mean: 0.0000 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 1802

Mean: 0.0319 +/- 0.0005

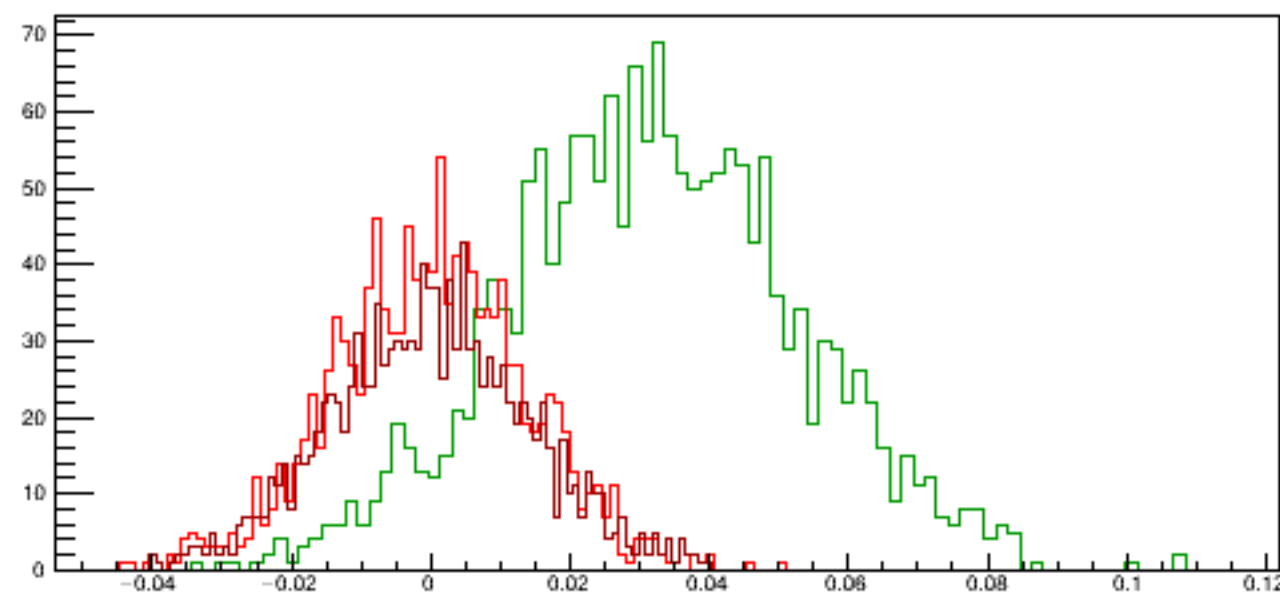
Std Dev: 0.0208 +/- 0.0003

Entries: 1250

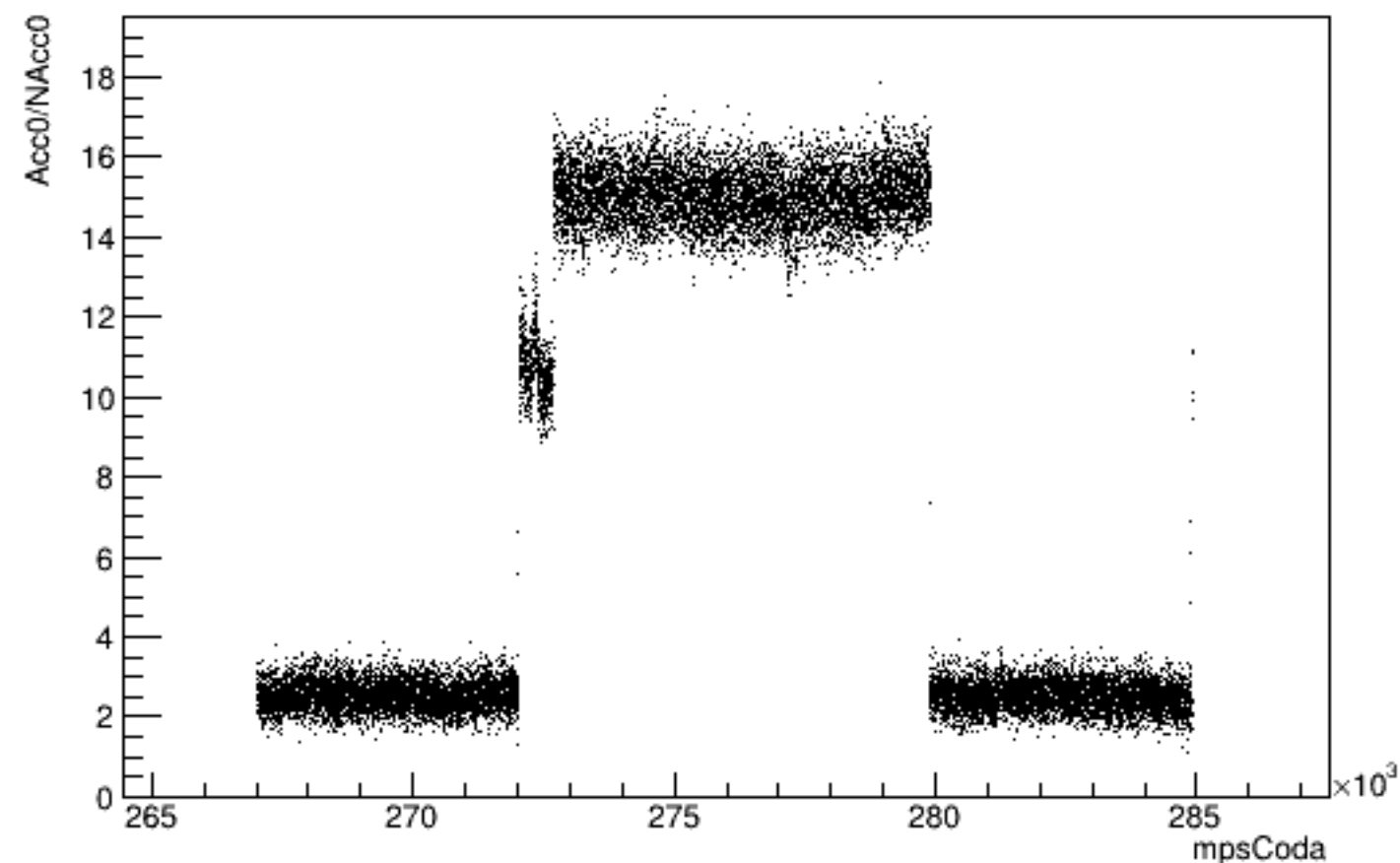
Mean: -0.0000 +/- 0.0004

Std Dev: 0.0143 +/- 0.0003

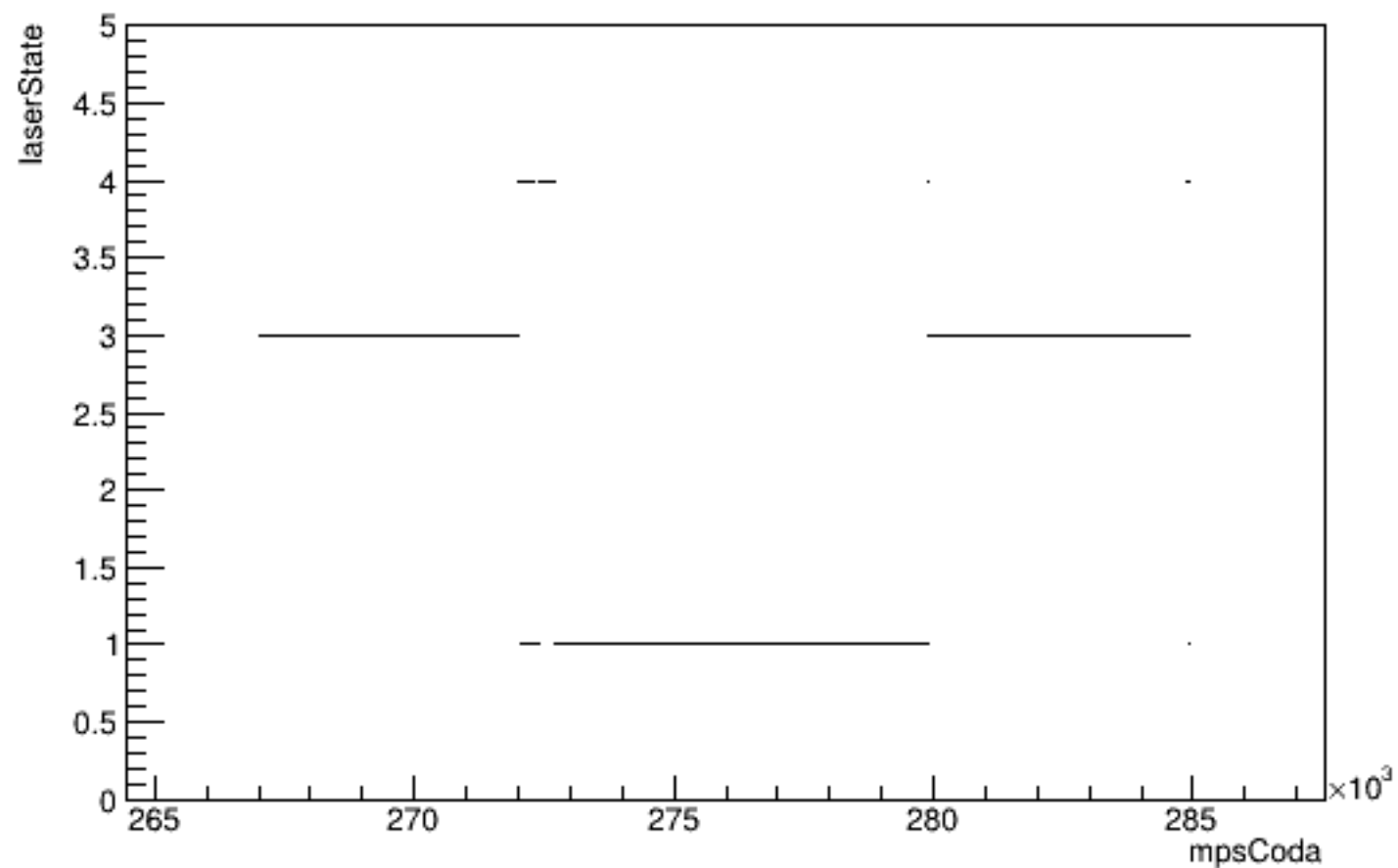
Run 5977 quartetwise, Asyms



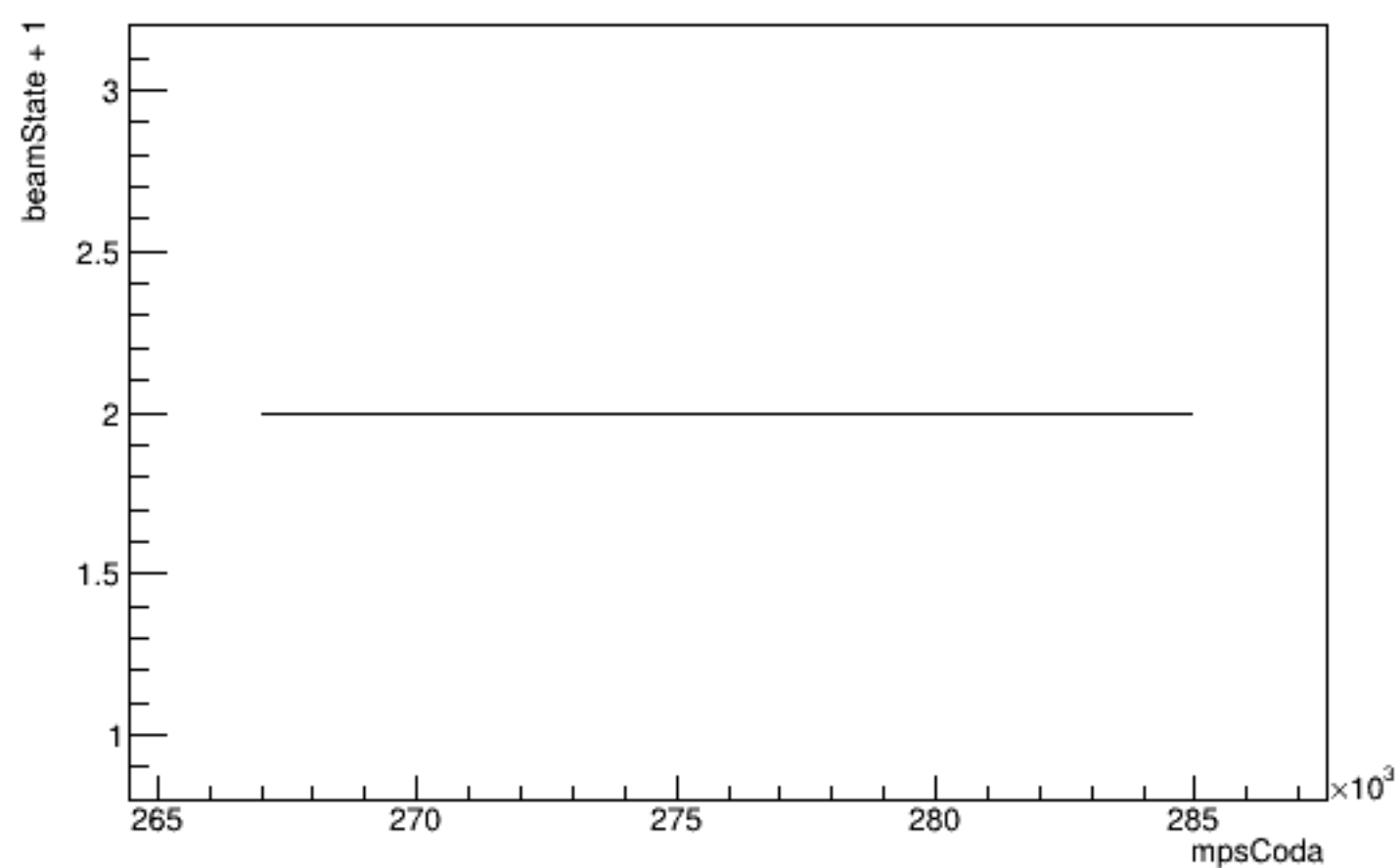
Acc0/NAcc0:mpsCoda (mpsCoda>=267027 && mpsCoda<=284914 && beamState==1)



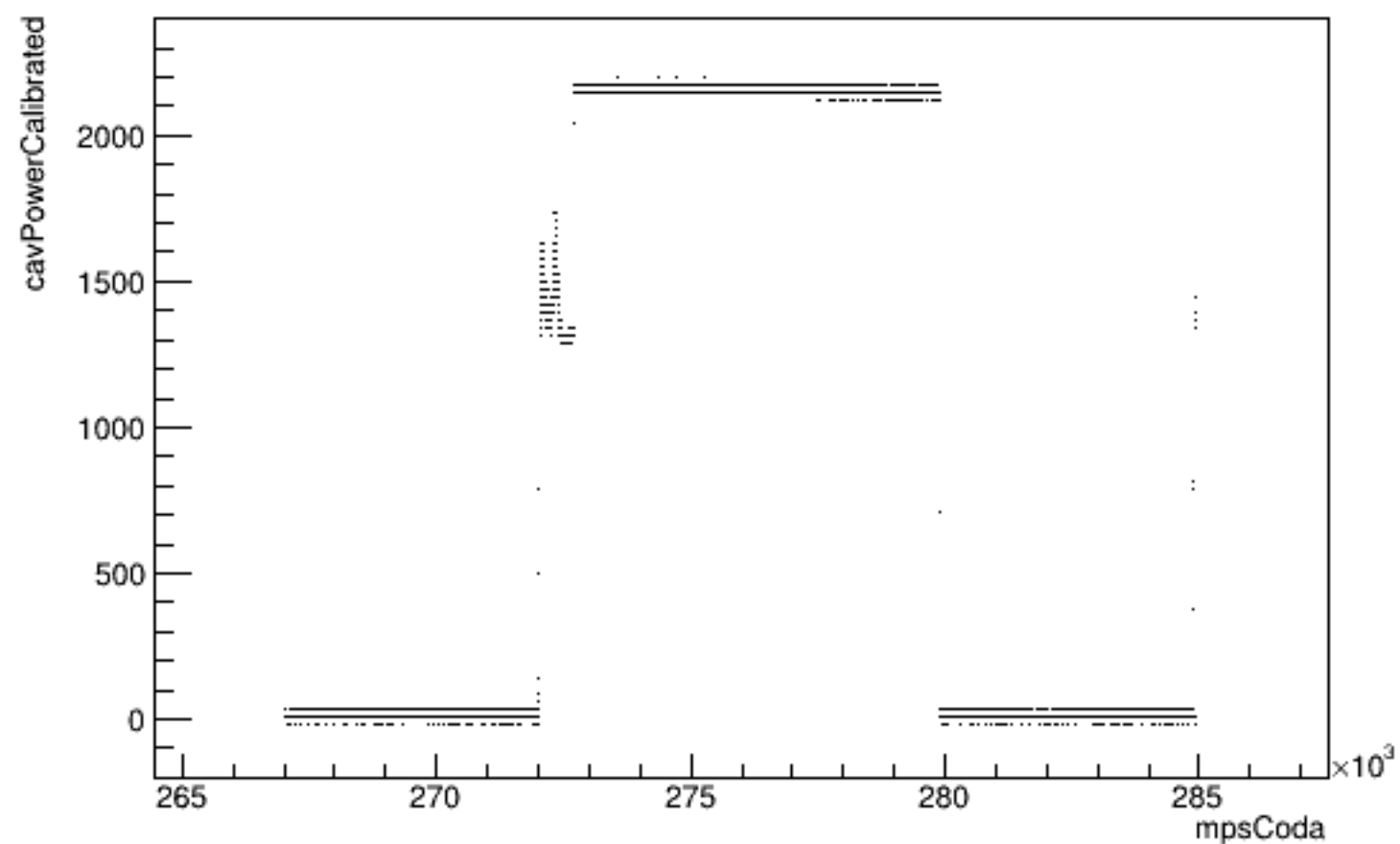
laserState:mpsCoda {mpsCoda&gt;=267027 &amp;&amp; mpsCoda&lt;=284914}



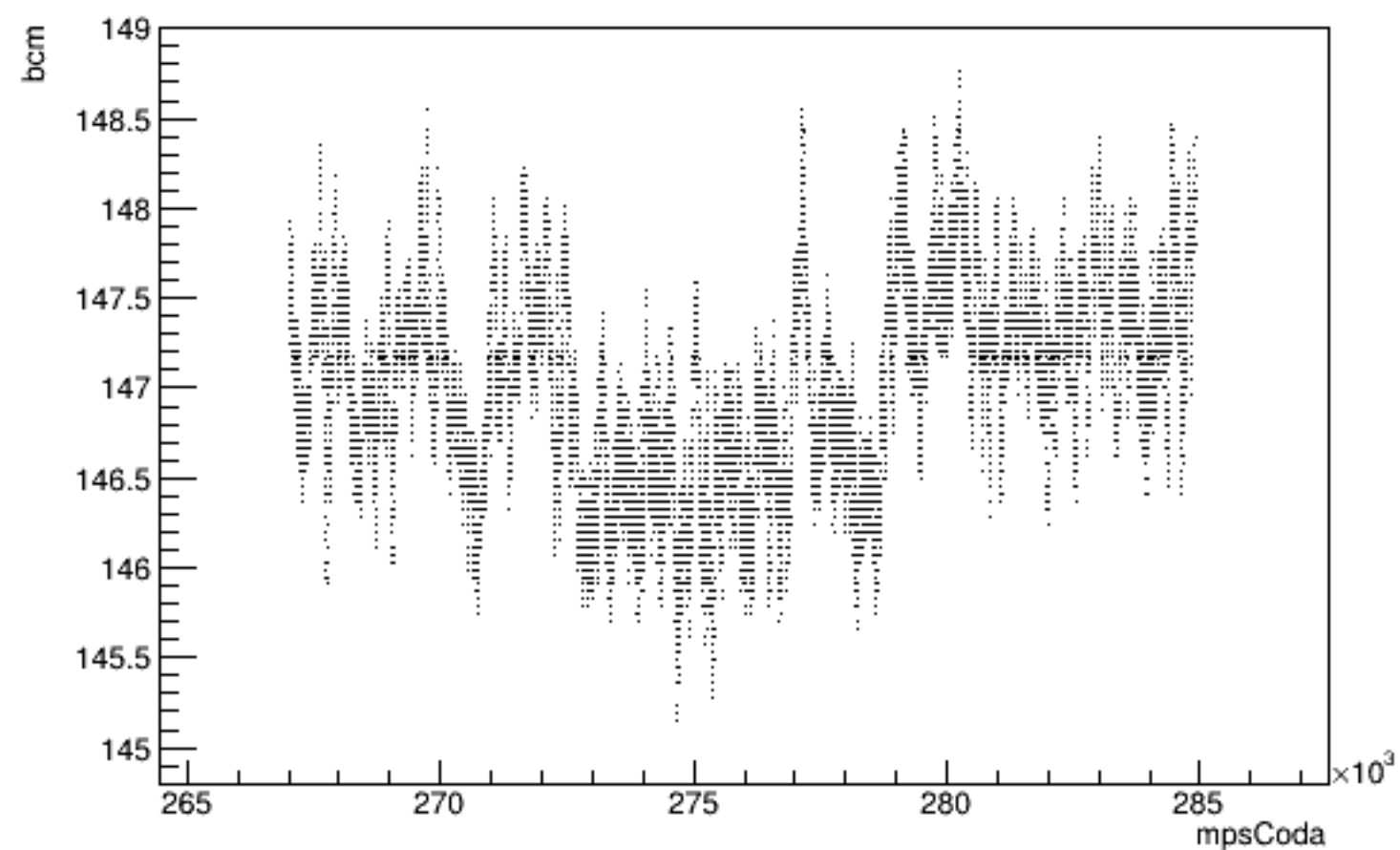
beamState + 1:mpsCoda {mpsCoda&gt;=267027 &amp;&amp; mpsCoda&lt;=284914}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=267027 &amp;&amp; mpsCoda&lt;=284914}



bcm:mpsCoda {mpsCoda&gt;=267027 &amp;&amp; mpsCoda&lt;=284914}



## Cycle 15, Diffs

Entries: 1250

Mean: -0.0004 +/- 0.0101

Std Dev: 0.3578 +/- 0.0072

Entries: 1849

Mean: 0.7782 +/- 0.0121

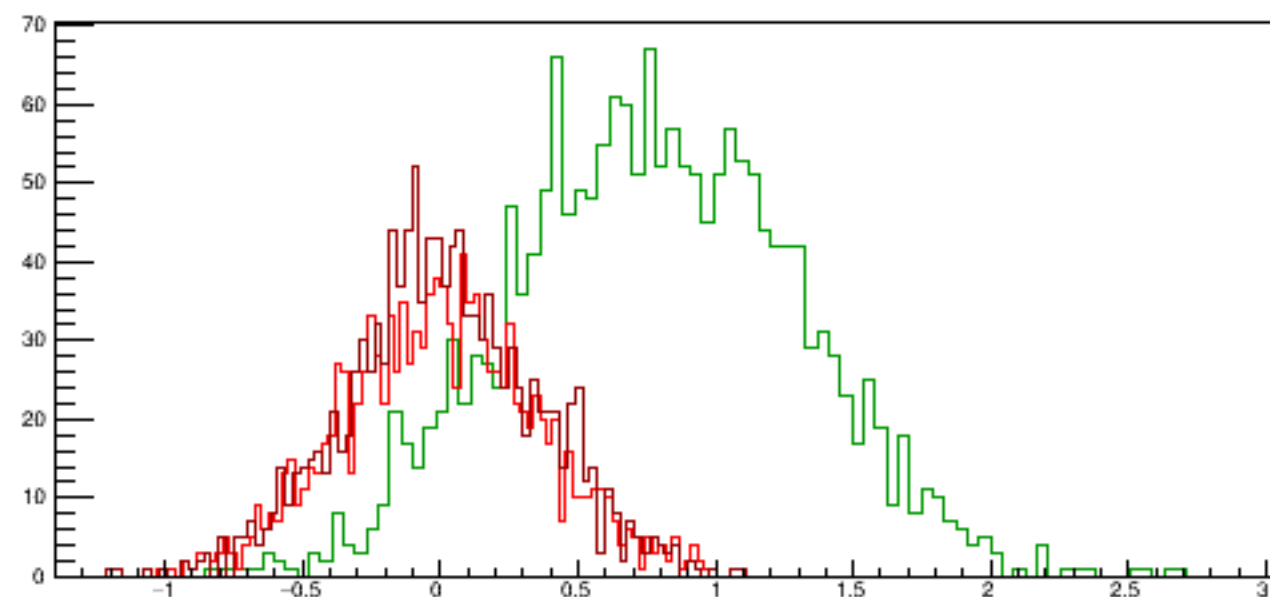
Std Dev: 0.5208 +/- 0.0086

Entries: 1254

Mean: 0.0076 +/- 0.0098

Std Dev: 0.3475 +/- 0.0069

Run 5977 quartetwise, Diffs



## Cycle 15, Sums

Entries: 1250

Mean: 5.0021 +/- 0.0113

Std Dev: 0.4002 +/- 0.0080

Entries: 1849

Mean: 29.9078 +/- 0.0295

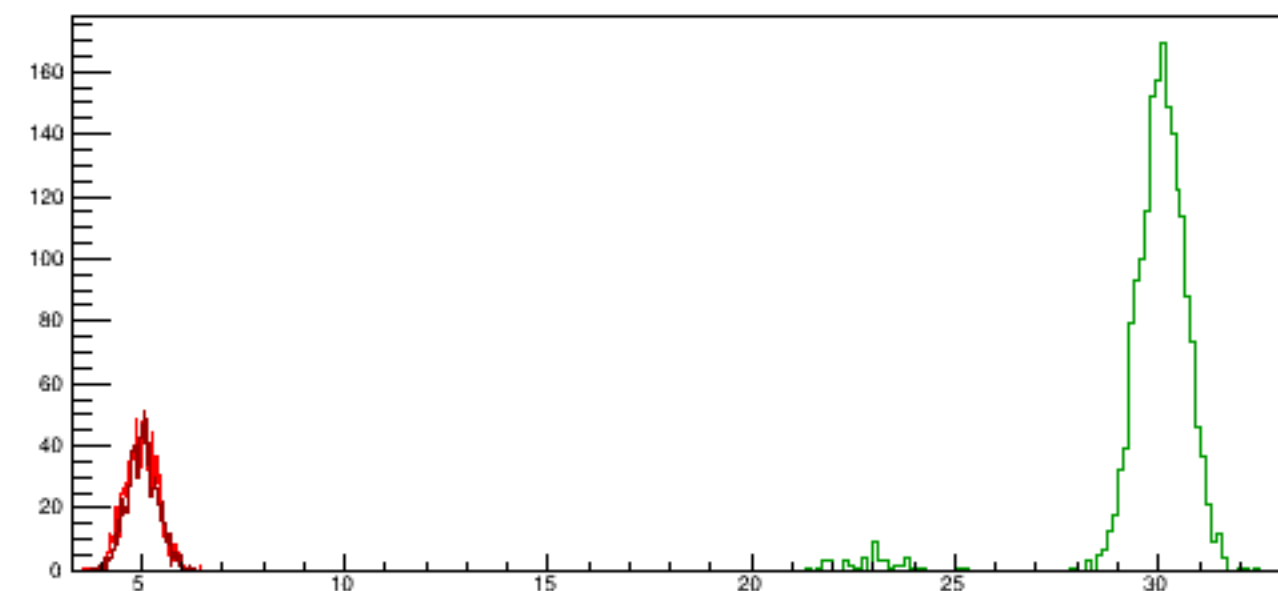
Std Dev: 1.2694 +/- 0.0209

Entries: 1254

Mean: 5.0230 +/- 0.0107

Std Dev: 0.3786 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 15, Asyms

Entries: 1250

Mean: -0.0000 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

Entries: 1849

Mean: 0.0312 +/- 0.0005

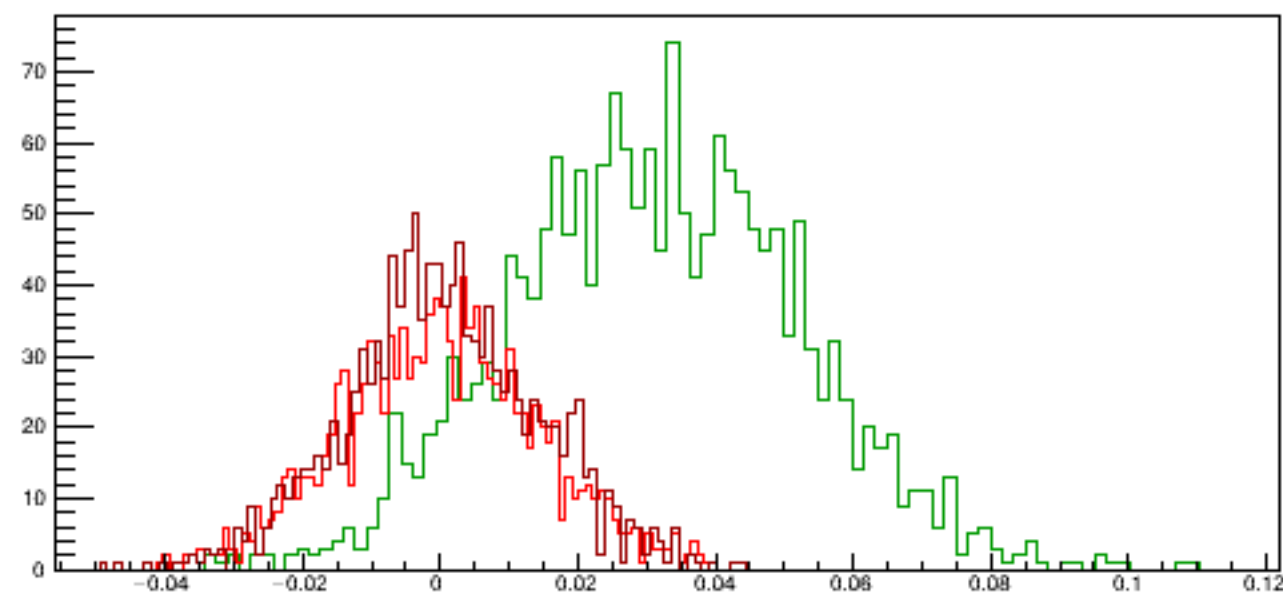
Std Dev: 0.0210 +/- 0.0003

Entries: 1254

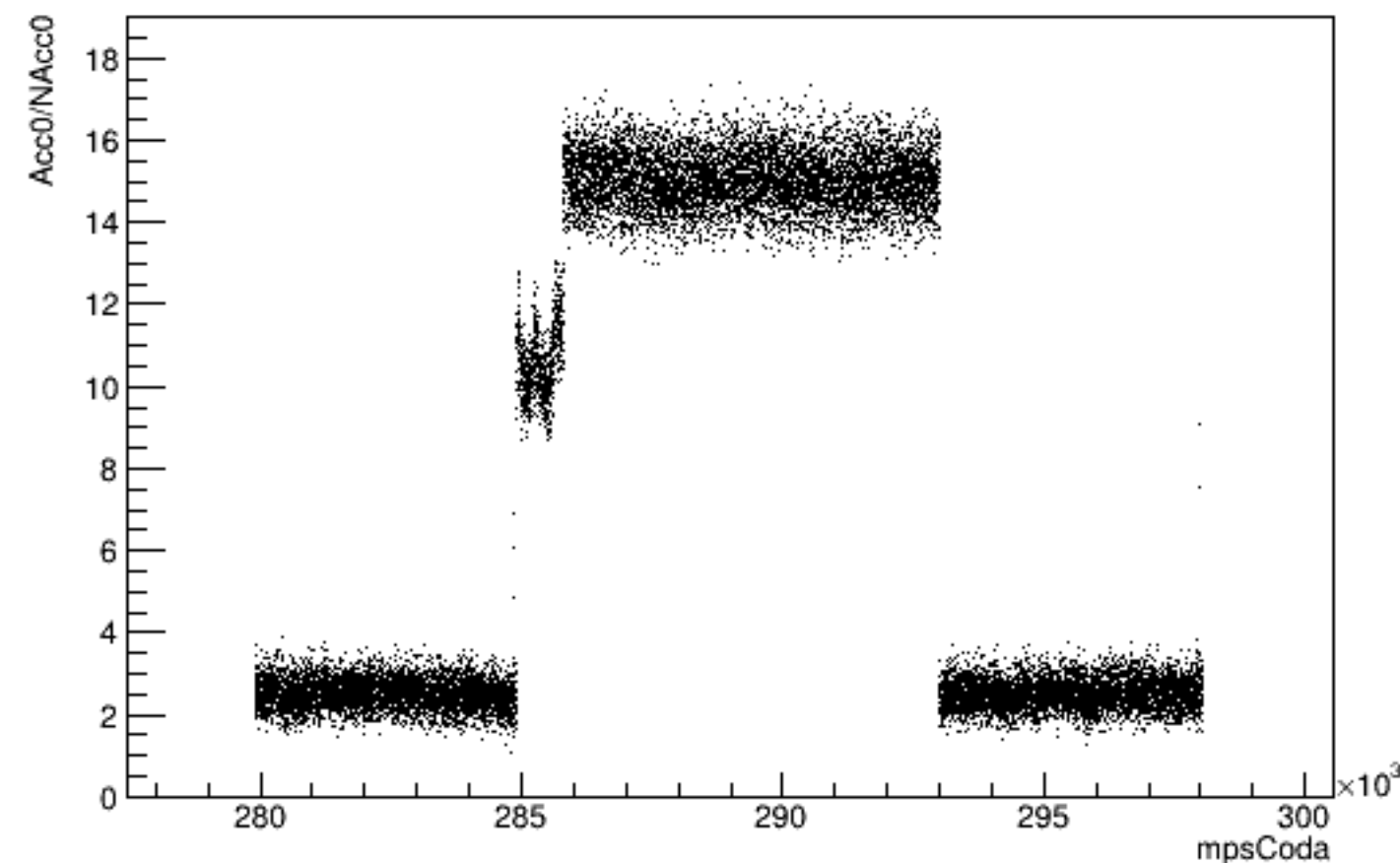
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

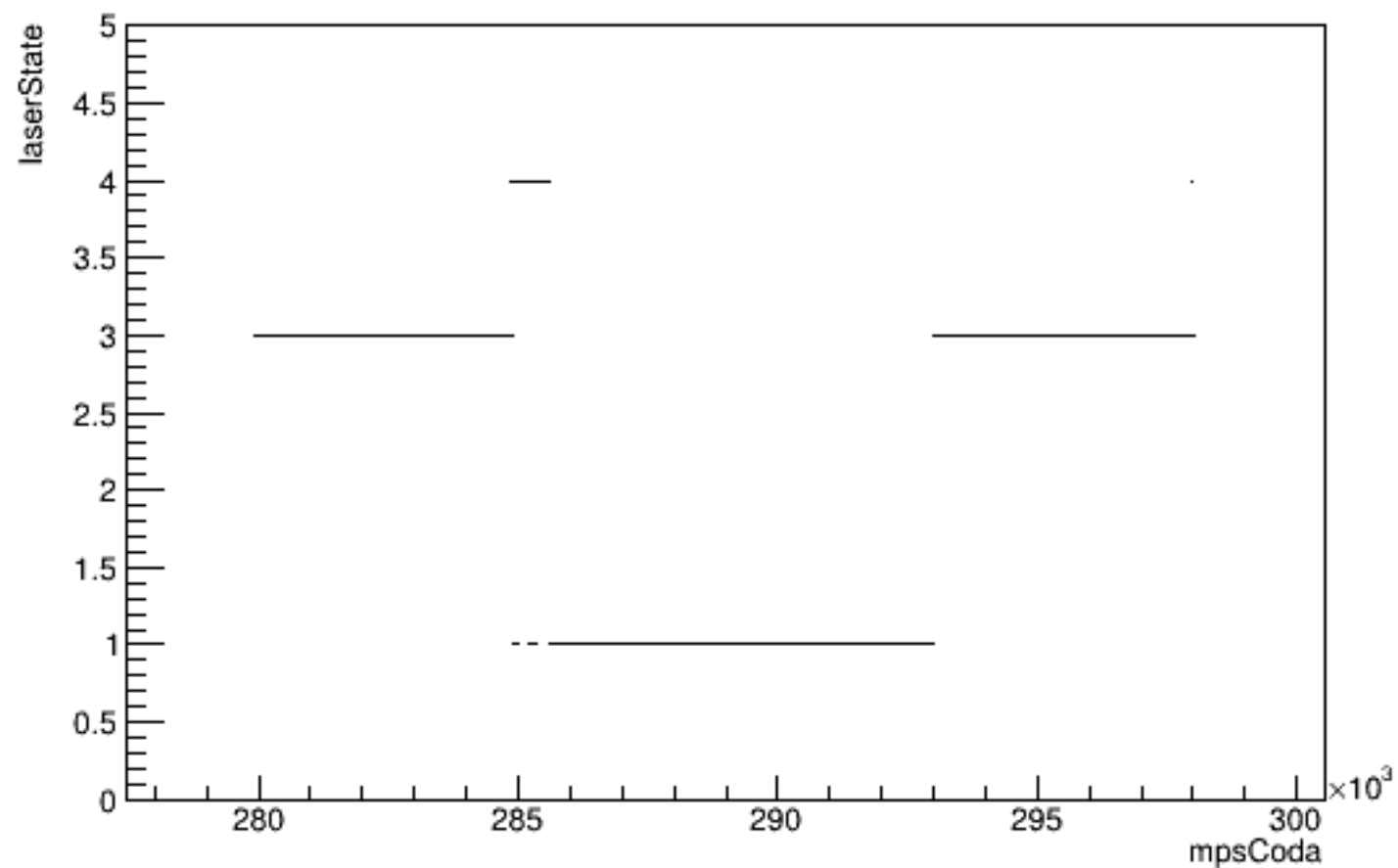
Run 5977 quartetwise, Asyms



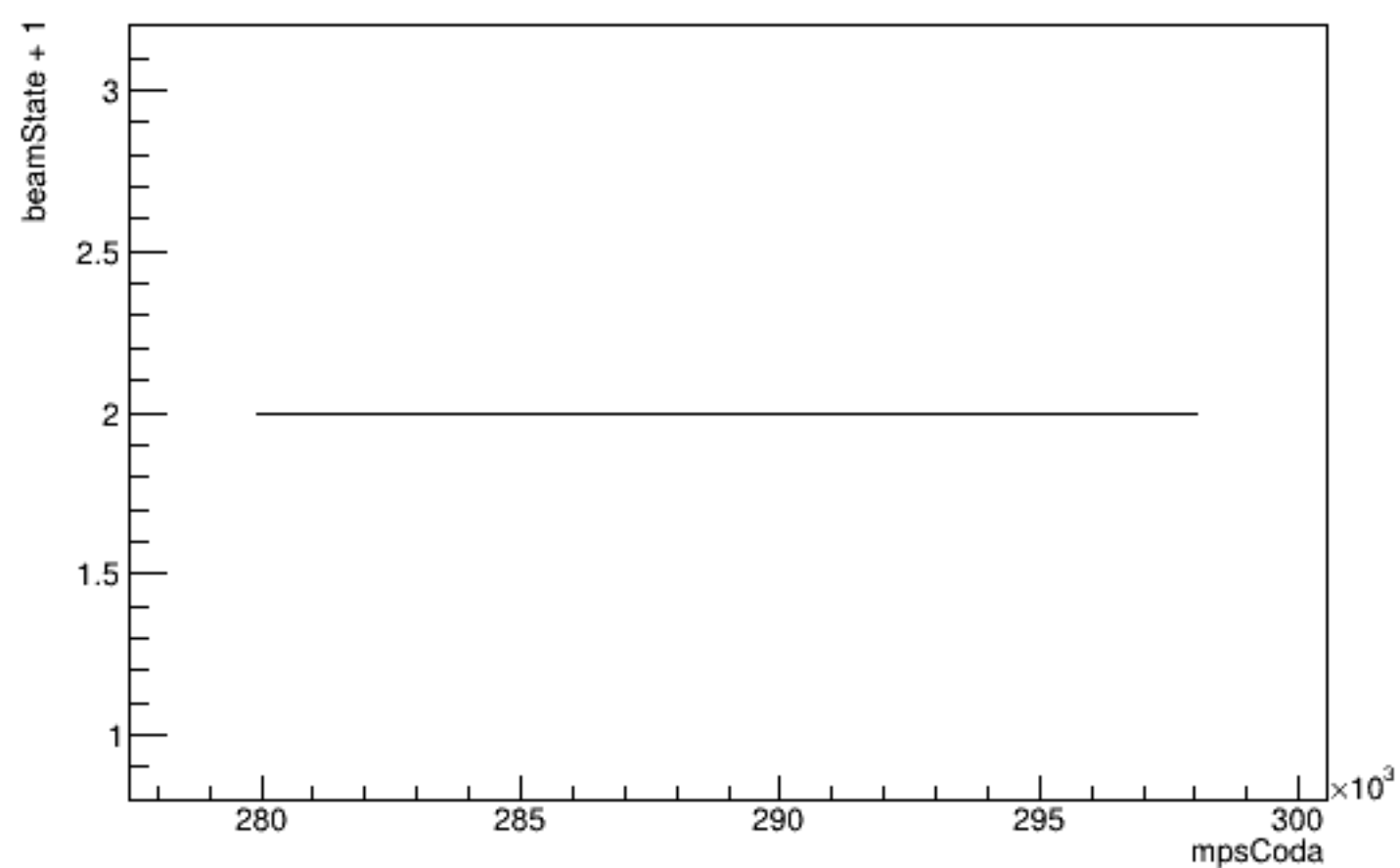
Acc0/NAcc0:mpsCoda (mpsCoda>=279899 && mpsCoda<=298038 && beamState==1)



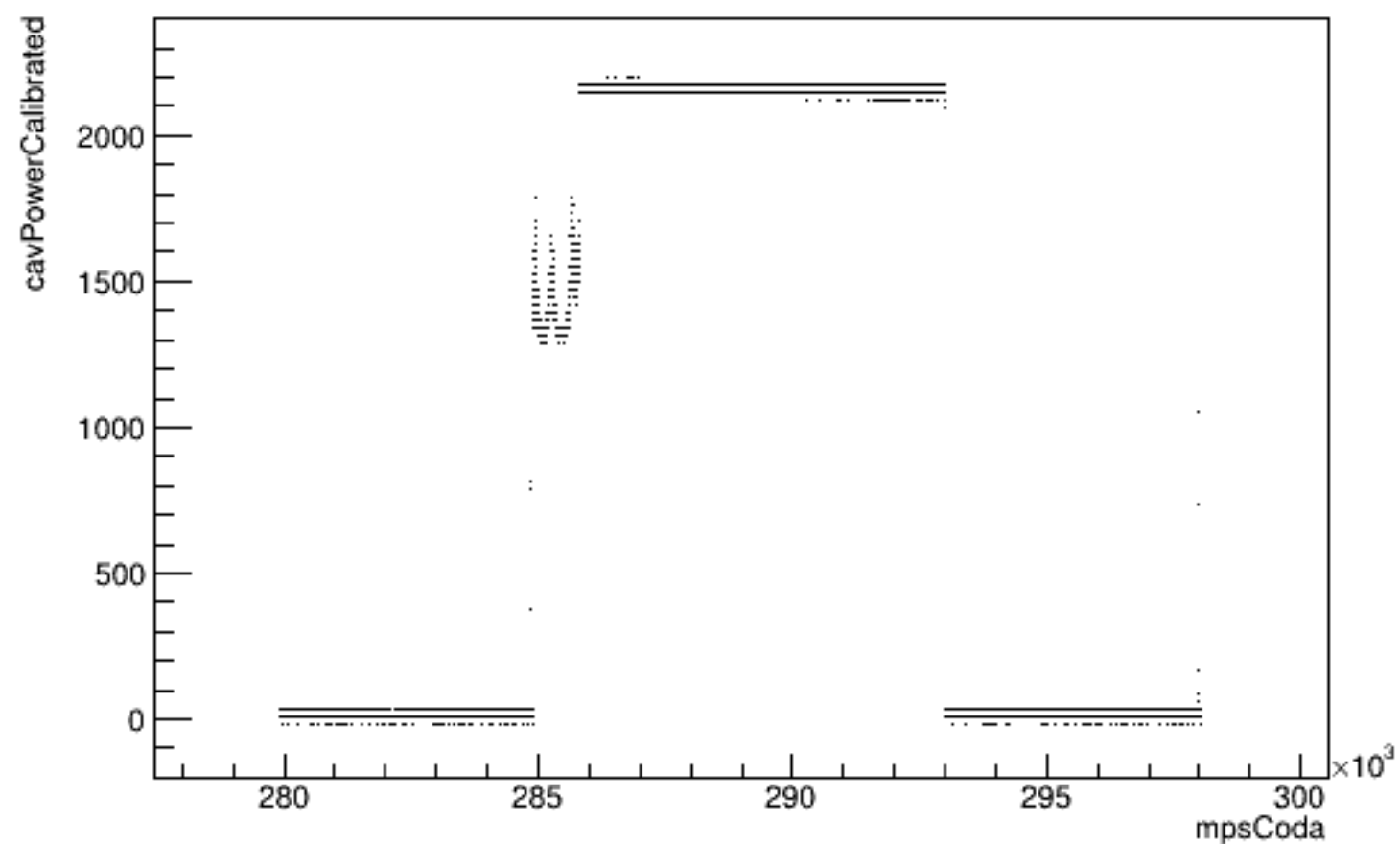
laserState:mpsCoda {mpsCoda&gt;=279899 &amp;&amp; mpsCoda&lt;=298038}



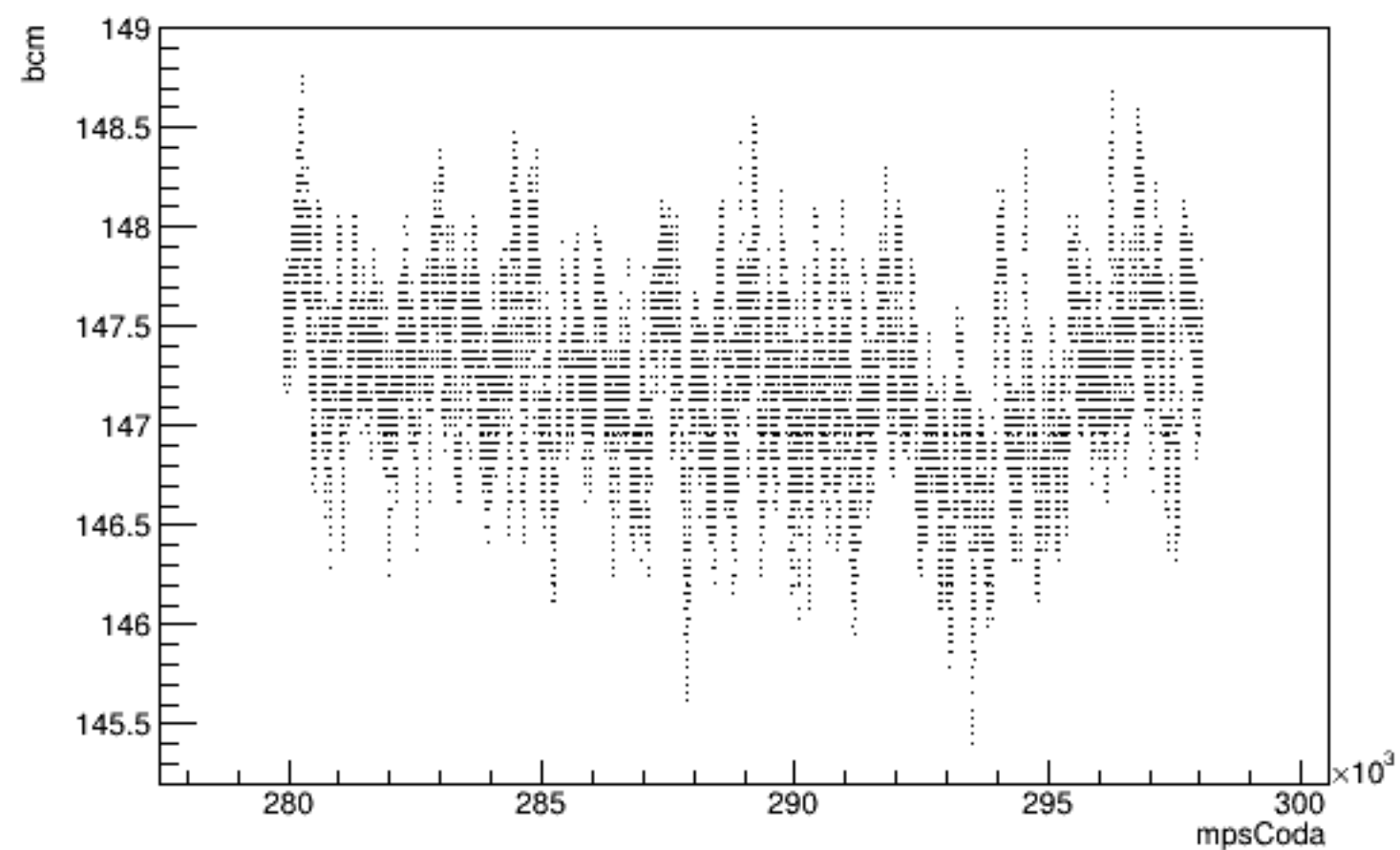
beamState + 1:mpsCoda {mpsCoda&gt;=279899 &amp;&amp; mpsCoda&lt;=298038}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=279899 &amp;&amp; mpsCoda&lt;=298038}



bcm:mpsCoda {mpsCoda&gt;=279899 &amp;&amp; mpsCoda&lt;=298038}



## Cycle 16, Diffs

Entries: 1254

Mean: 0.0076 +/- 0.0098

Std Dev: 0.3475 +/- 0.0069

Entries: 1800

Mean: 0.8001 +/- 0.0121

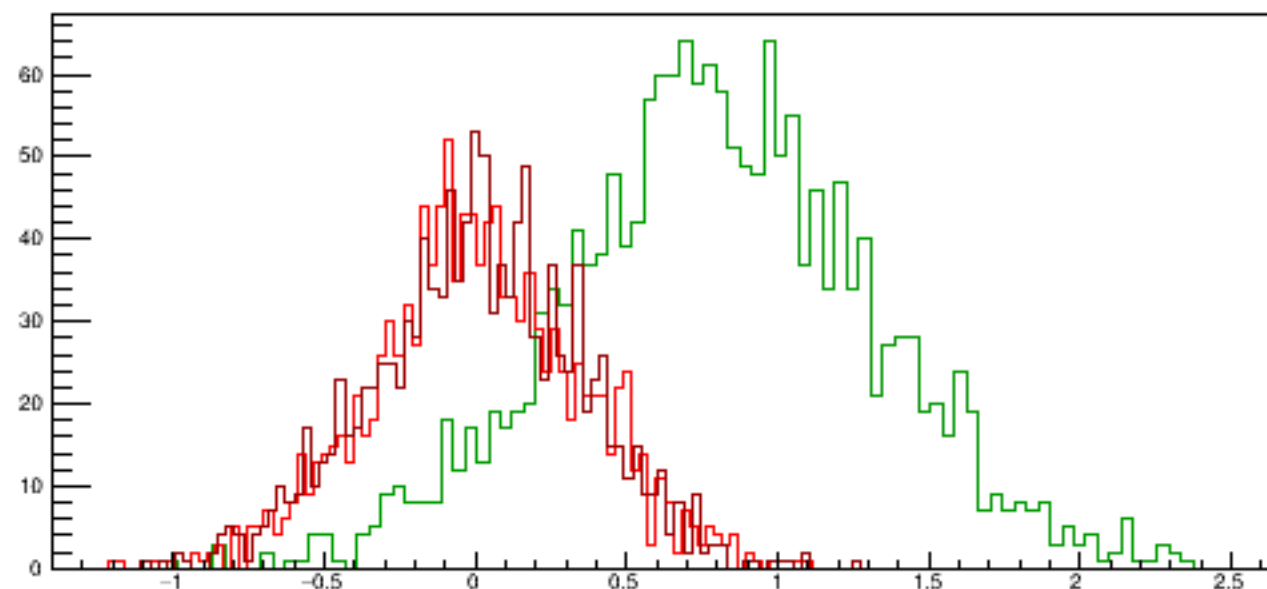
Std Dev: 0.5138 +/- 0.0086

Entries: 1241

Mean: 0.0067 +/- 0.0099

Std Dev: 0.3479 +/- 0.0070

Run 5977 quartetwise, Diffs



## Cycle 16, Sums

Entries: 1254

Mean: 5.0230 +/- 0.0107

Std Dev: 0.3786 +/- 0.0076

Entries: 1800

Mean: 30.0969 +/- 0.0154

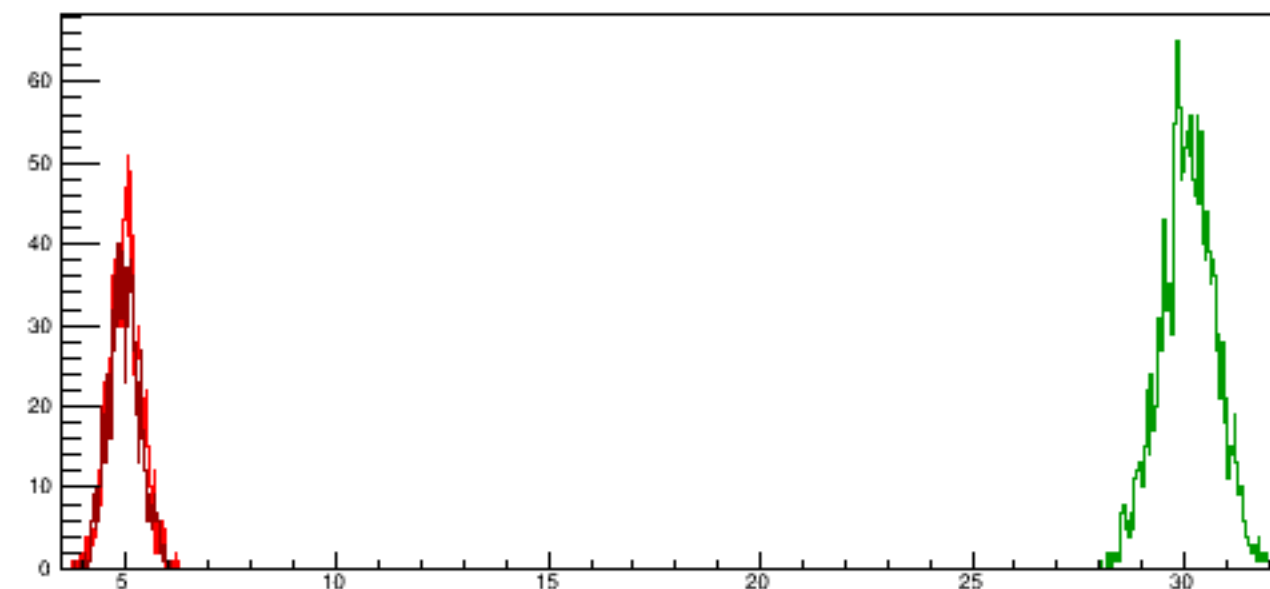
Std Dev: 0.6528 +/- 0.0109

Entries: 1241

Mean: 4.9941 +/- 0.0104

Std Dev: 0.3678 +/- 0.0074

Run 5977 quartetwise, Sums



## Cycle 16, Asyms

Entries: 1254

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0139 +/- 0.0003

Entries: 1800

Mean: 0.0319 +/- 0.0005

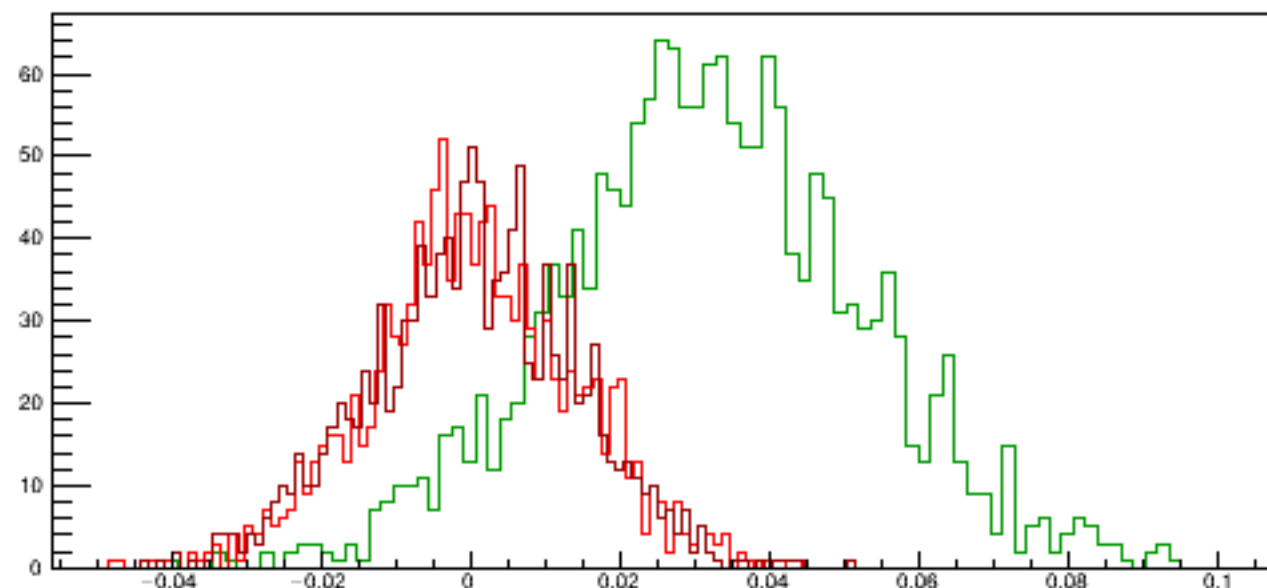
Std Dev: 0.0205 +/- 0.0003

Entries: 1241

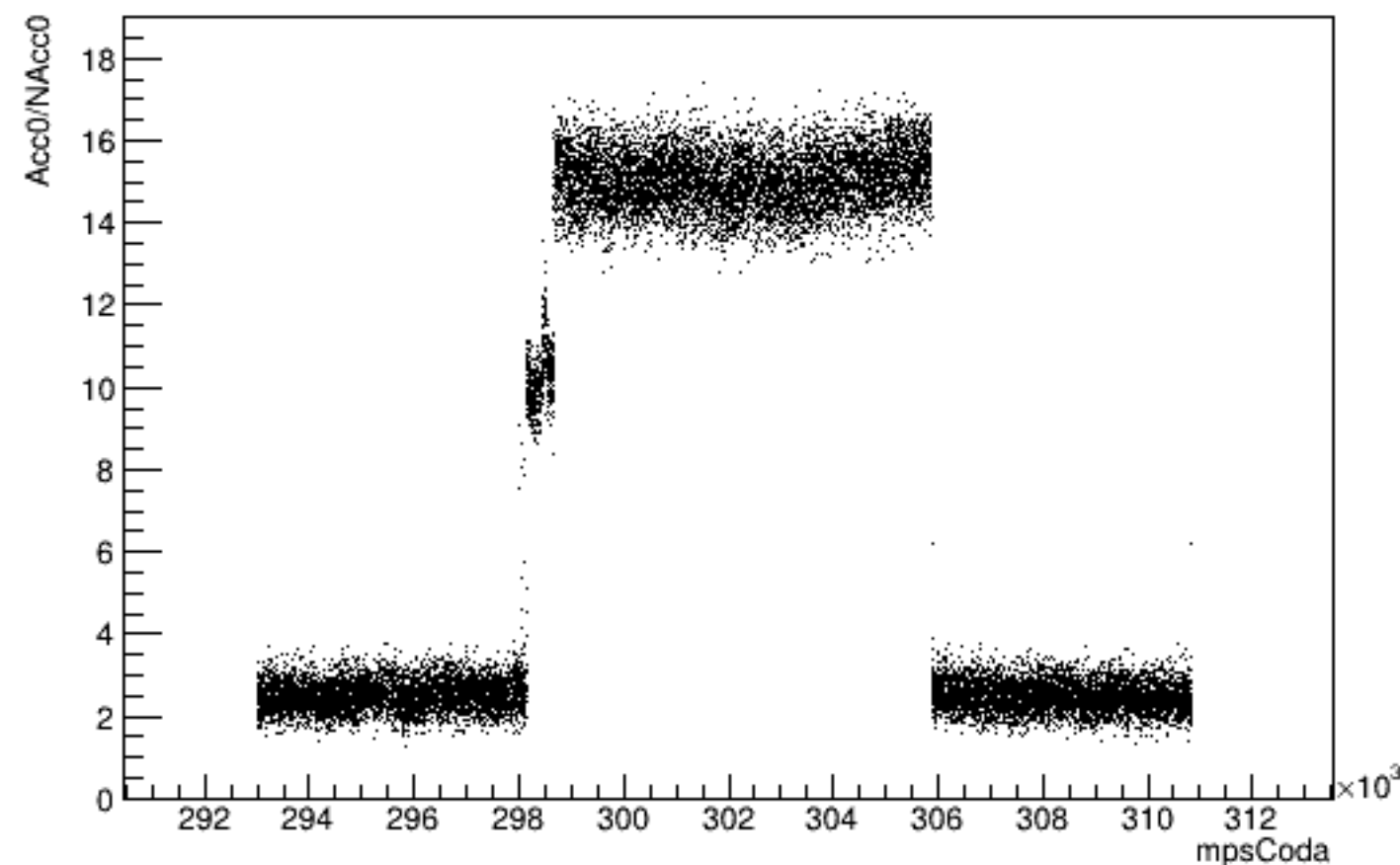
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0139 +/- 0.0003

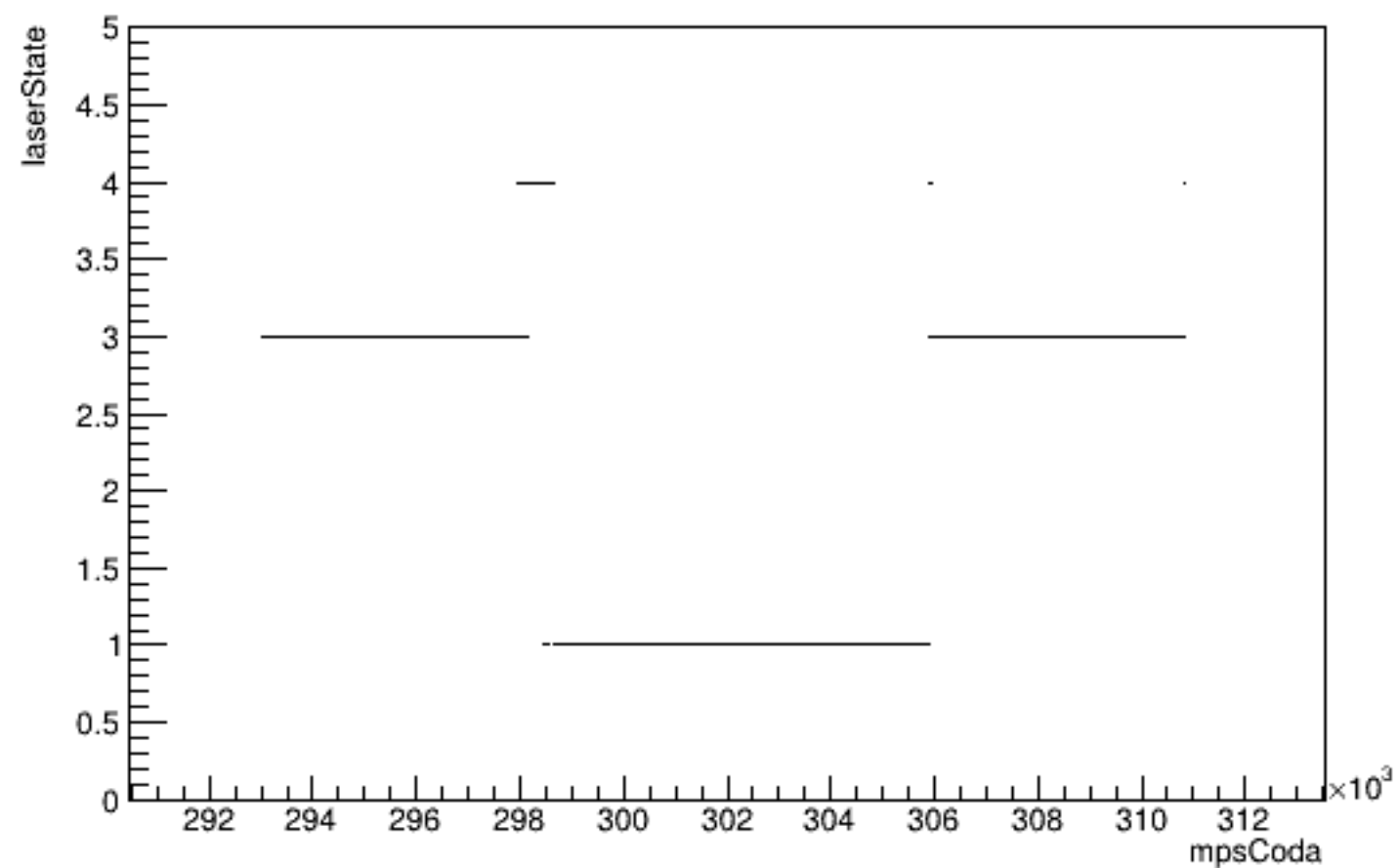
Run 5977 quartetwise, Asyms



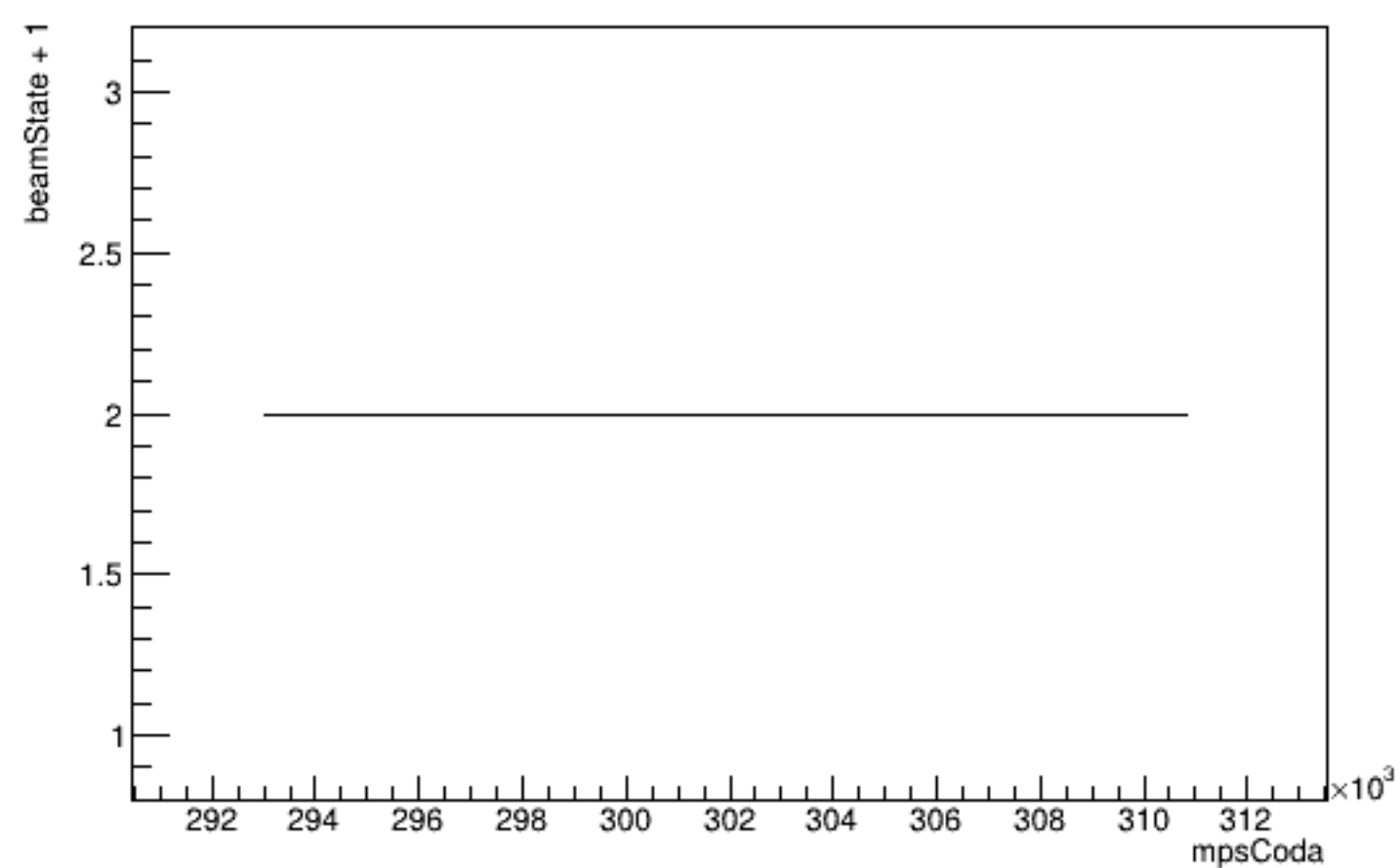
Acc0/NAcc0:mpsCoda (mpsCoda>=293007 && mpsCoda<=310850 && beamState==1)



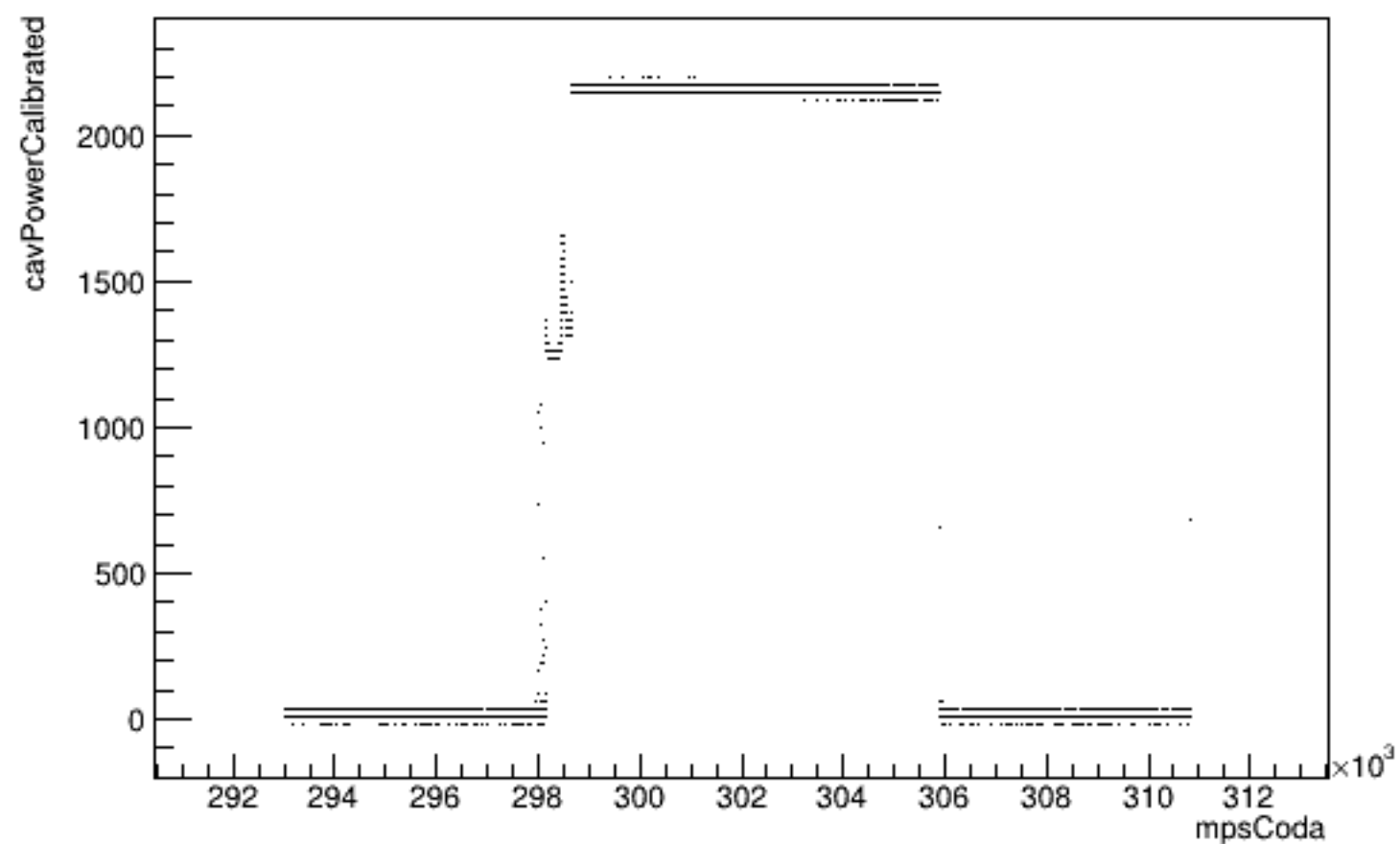
laserState:mpsCoda {mpsCoda&gt;=293007 &amp;&amp; mpsCoda&lt;=310850}



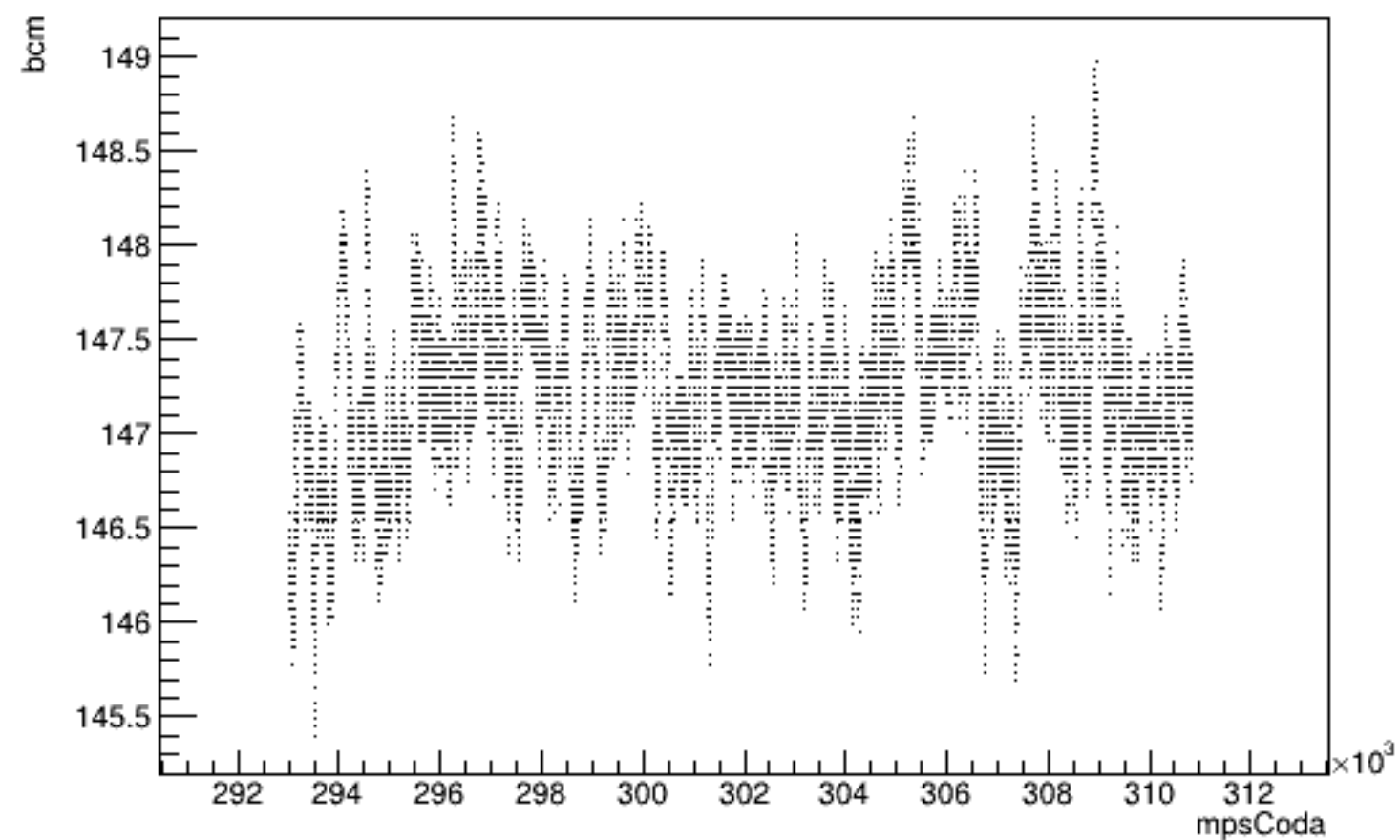
beamState + 1:mpsCoda {mpsCoda&gt;=293007 &amp;&amp; mpsCoda&lt;=310850}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=293007 &amp;&amp; mpsCoda&lt;=310850}



bcm:mpsCoda {mpsCoda&gt;=293007 &amp;&amp; mpsCoda&lt;=310850}



## Cycle 17, Diffs

Entries: 1241

Mean: 0.0067 +/- 0.0099

Std Dev: 0.3479 +/- 0.0070

Entries: 1800

Mean: 0.7947 +/- 0.0119

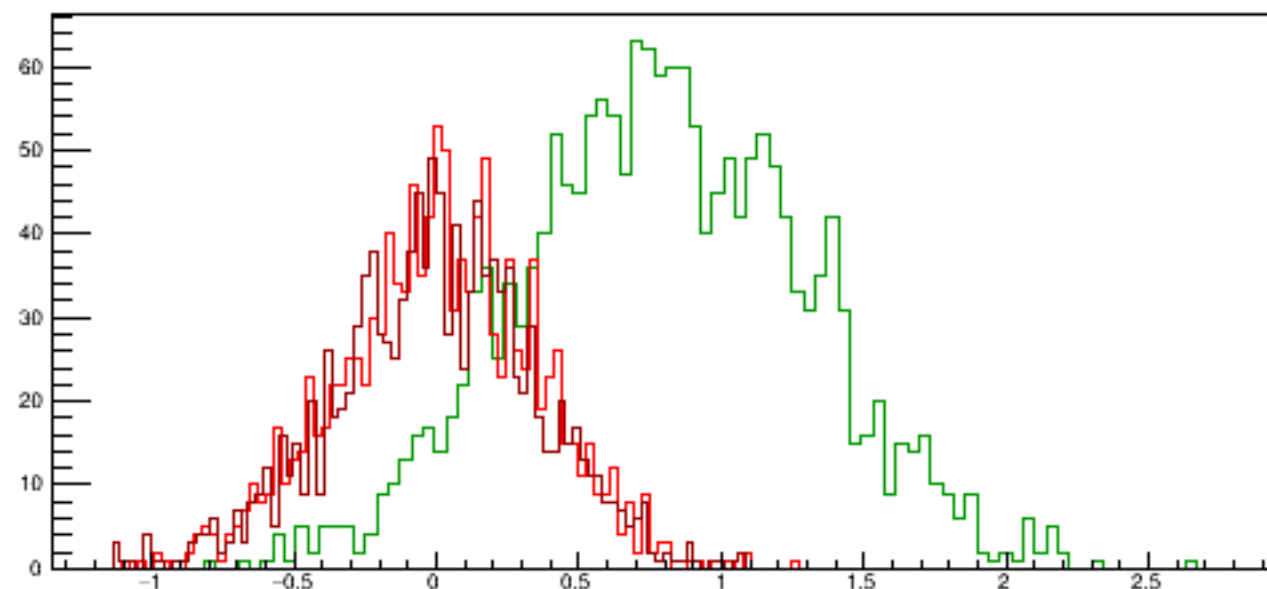
Std Dev: 0.5058 +/- 0.0084

Entries: 1245

Mean: -0.0034 +/- 0.0101

Std Dev: 0.3573 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 17, Sums

Entries: 1241

Mean: 4.9941 +/- 0.0104

Std Dev: 0.3678 +/- 0.0074

Entries: 1800

Mean: 30.1105 +/- 0.0142

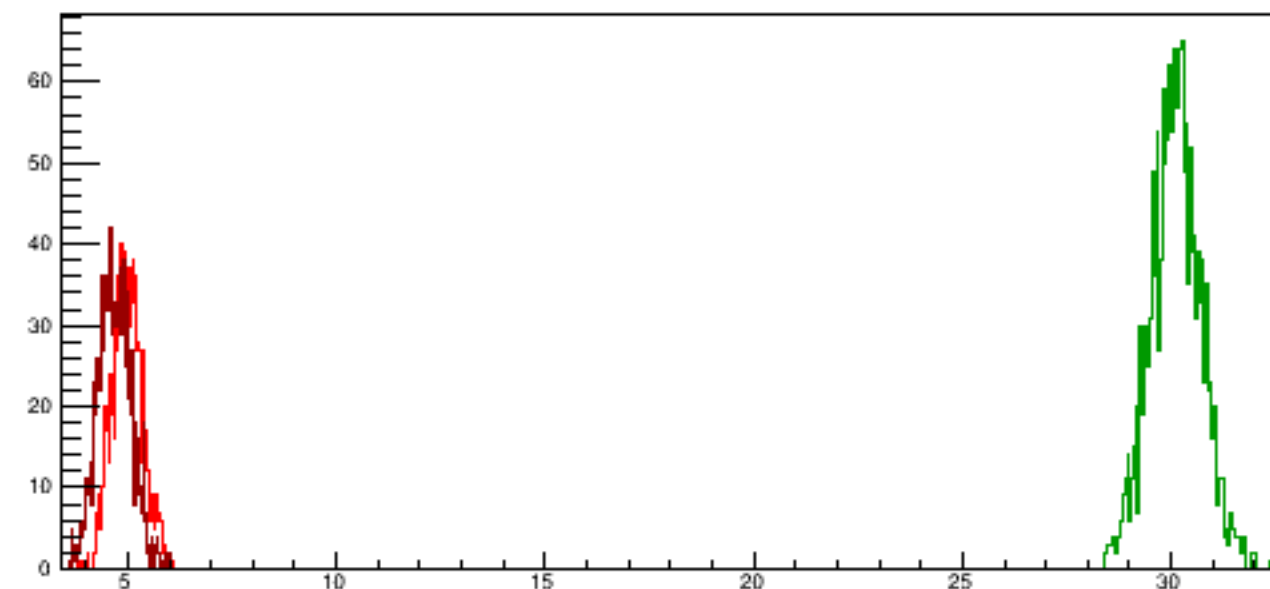
Std Dev: 0.6028 +/- 0.0100

Entries: 1245

Mean: 4.6884 +/- 0.0114

Std Dev: 0.4024 +/- 0.0081

Run 5977 quartetwise, Sums



## Cycle 17, Asyms

Entries: 1241

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 1800

Mean: 0.0314 +/- 0.0005

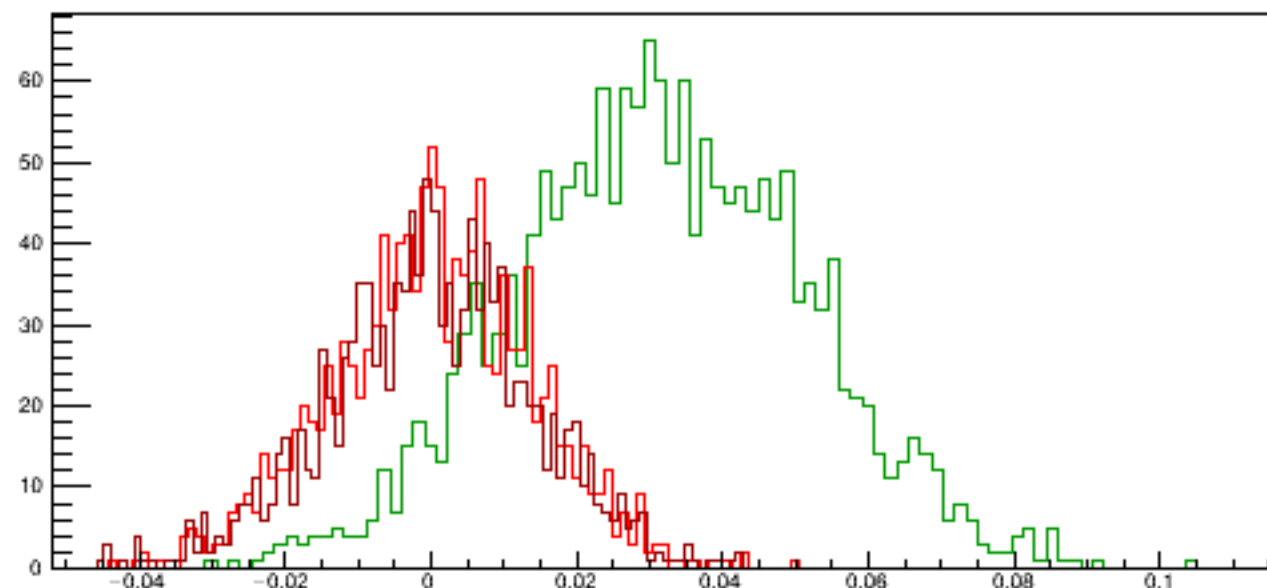
Std Dev: 0.0200 +/- 0.0003

Entries: 1245

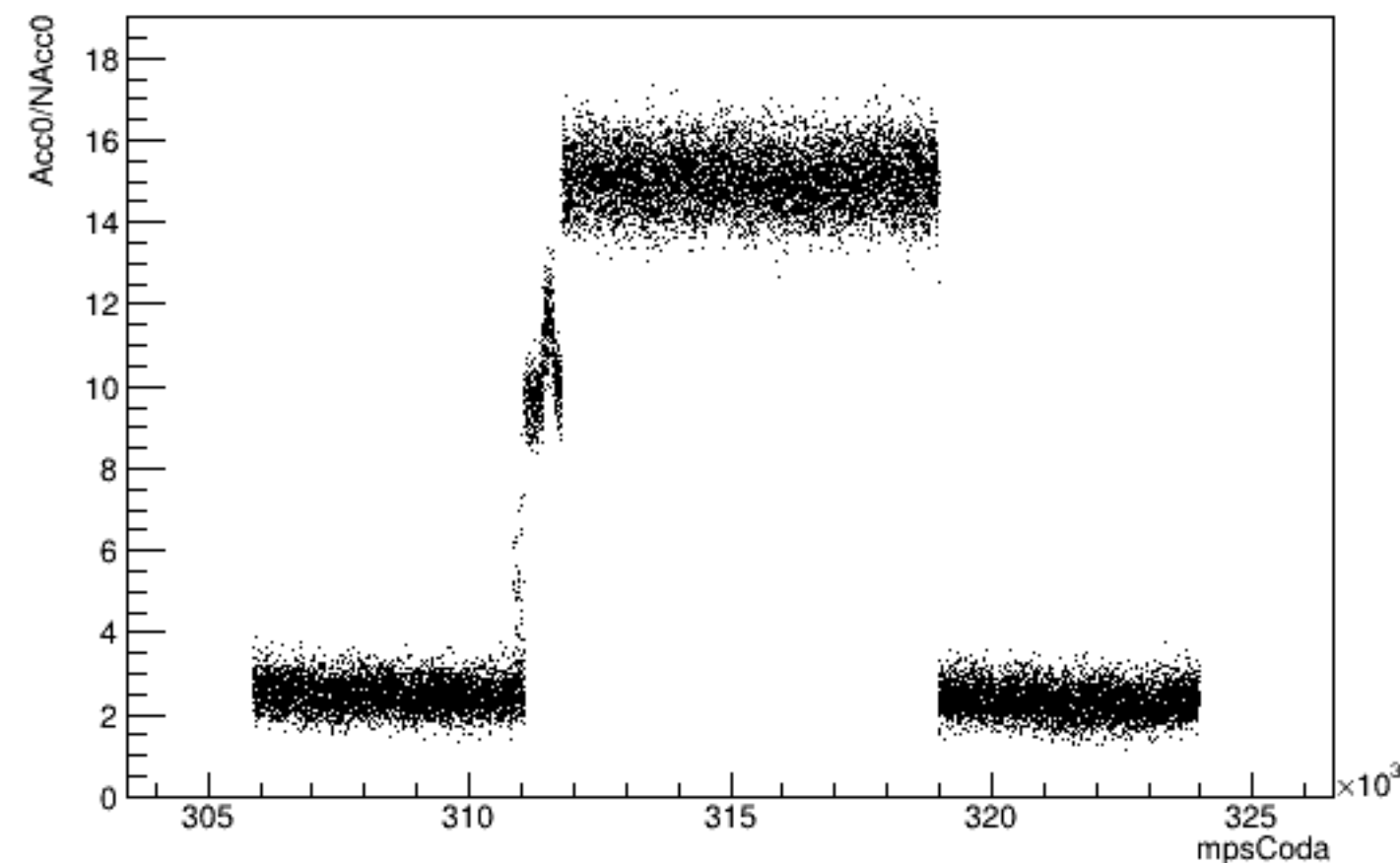
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0141 +/- 0.0003

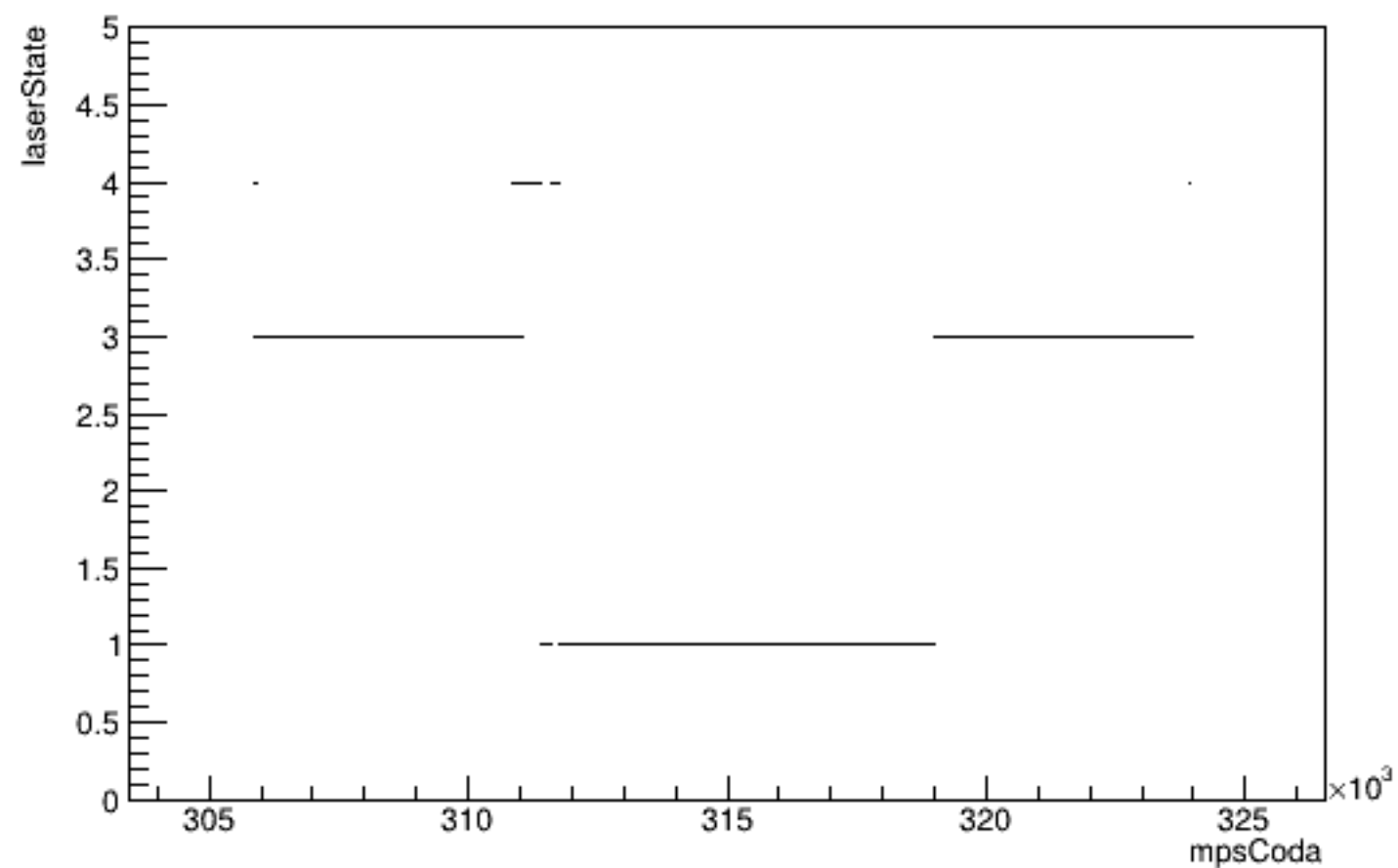
Run 5977 quartetwise, Asyms



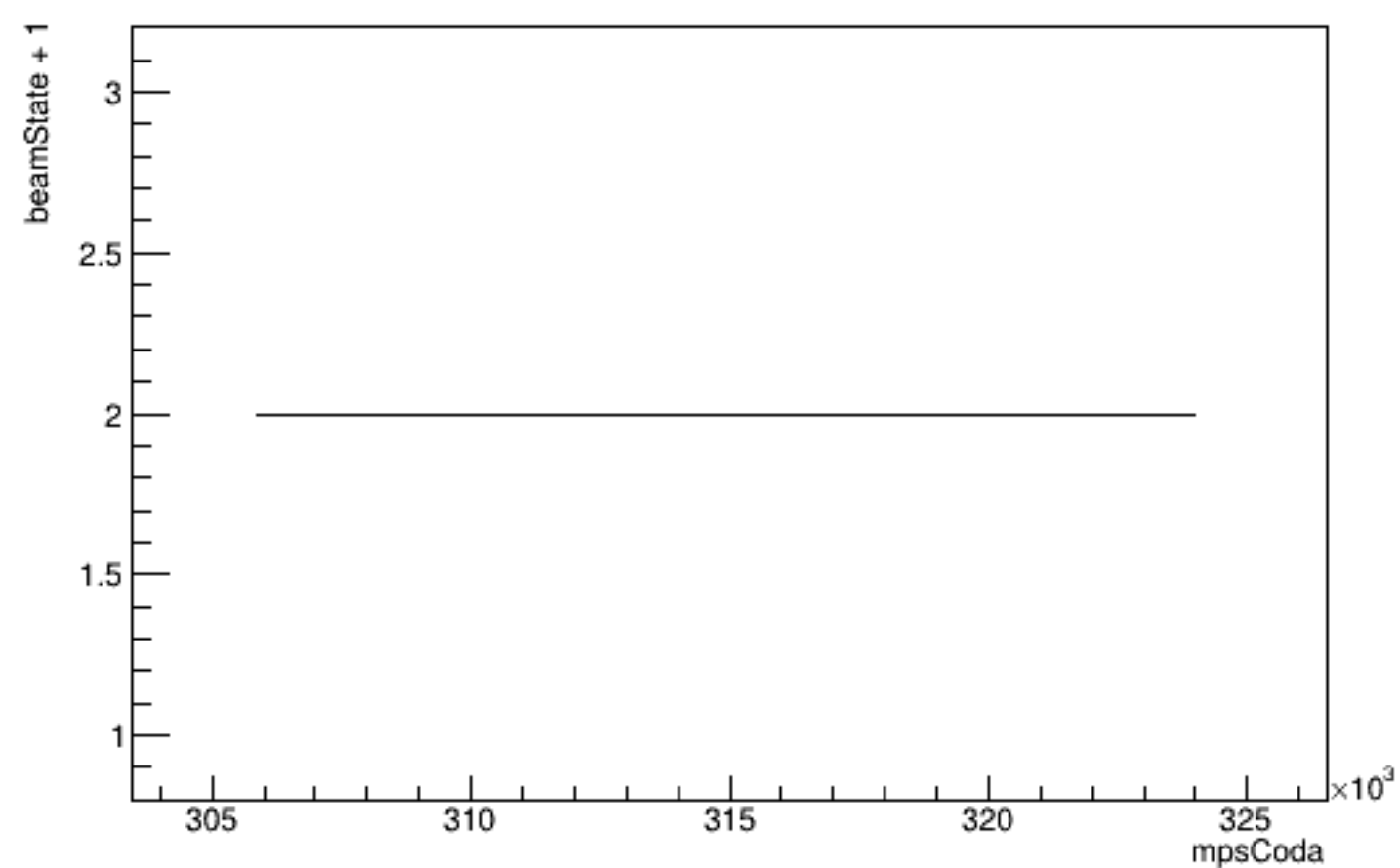
Acc0/NAcc0:mpsCoda (mpsCoda>=305875 && mpsCoda<=323966 && beamState==1)



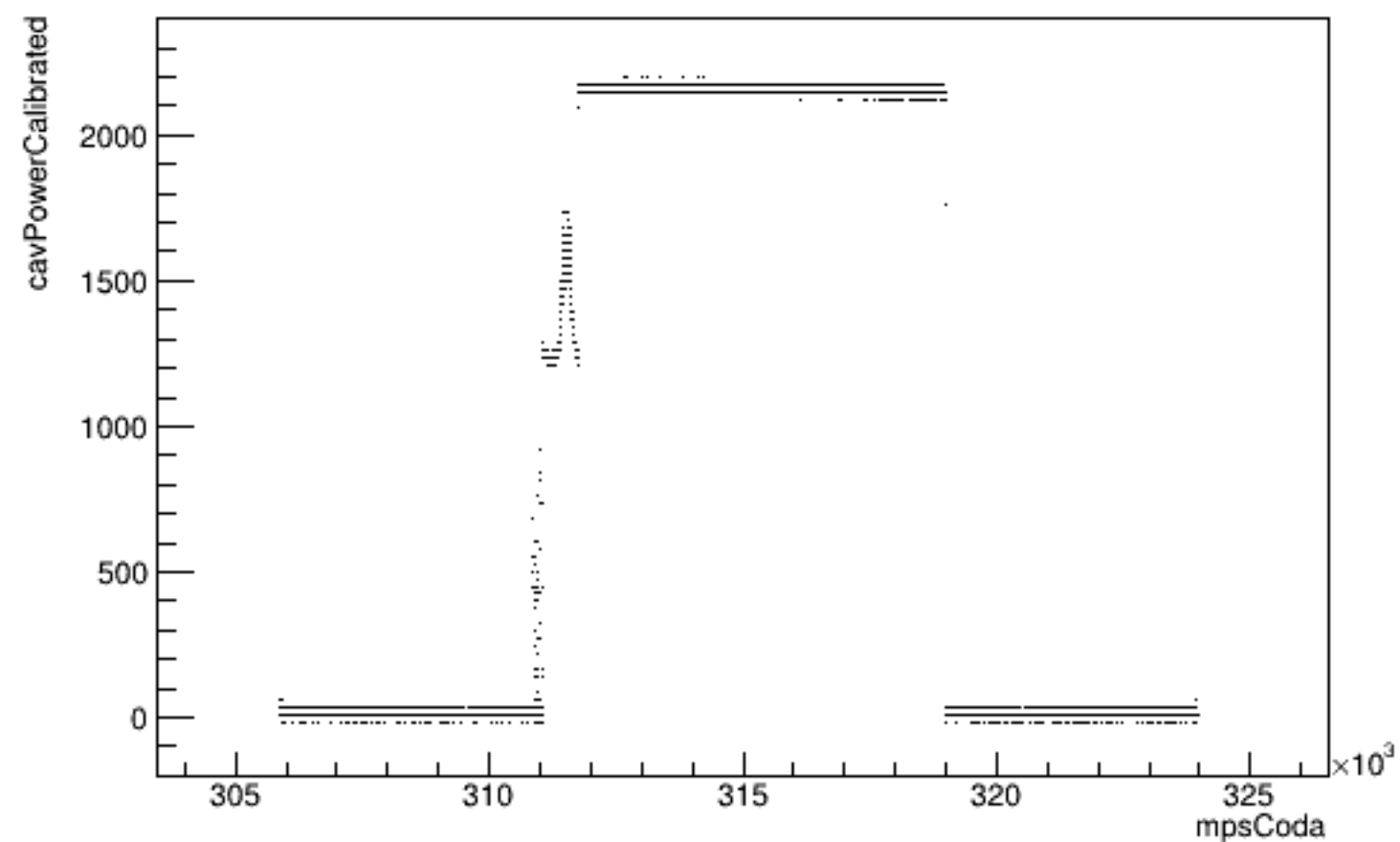
laserState:mpsCoda {mpsCoda&gt;=305875 &amp;&amp; mpsCoda&lt;=323966}



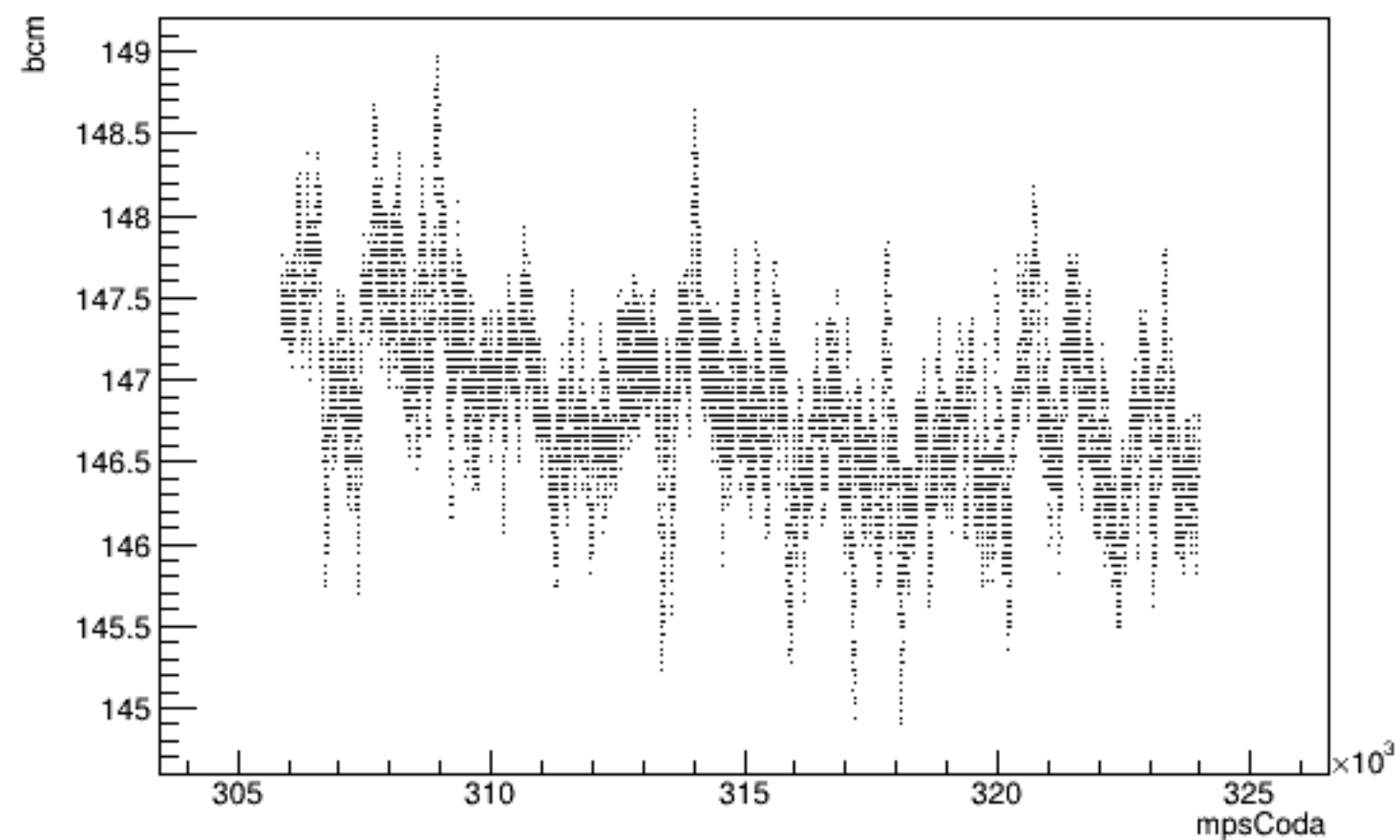
beamState + 1:mpsCoda {mpsCoda&gt;=305875 &amp;&amp; mpsCoda&lt;=323966}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=305875 &amp;&amp; mpsCoda&lt;=323966}



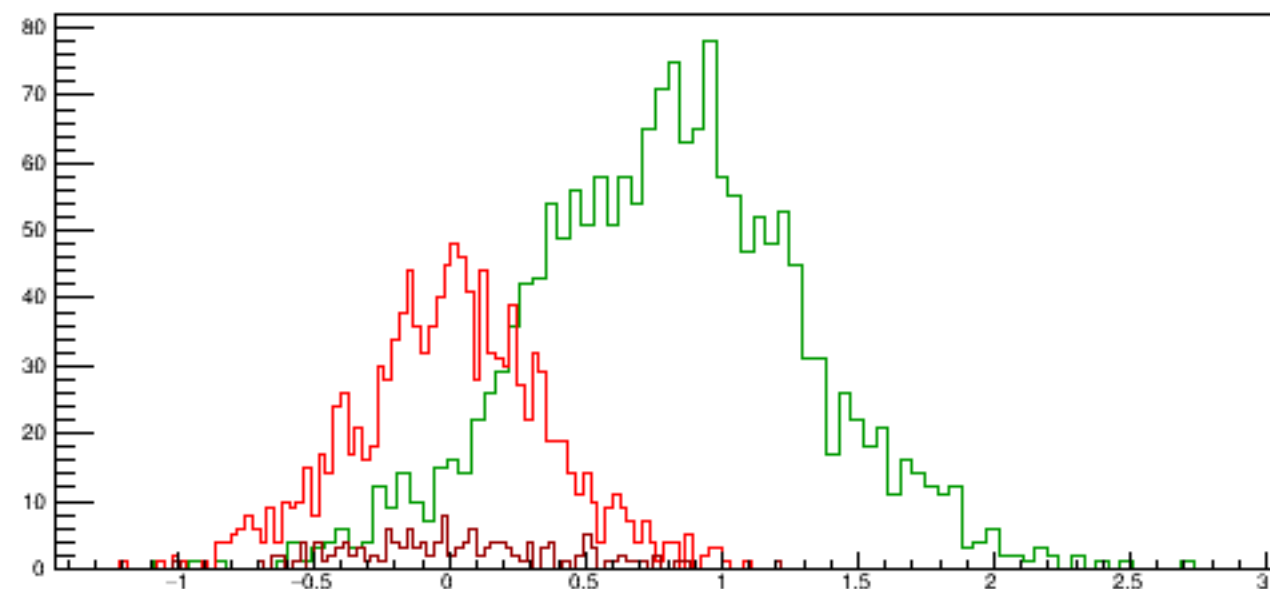
bcm:mpsCoda {mpsCoda&gt;=305875 &amp;&amp; mpsCoda&lt;=323966}



## Cycle 18, Diffs

| Entries: 1258              | Entries: 1800              | Entries: 142               |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0026 +/- 0.0100    | Mean: 0.8006 +/- 0.0119    | Mean: 0.0142 +/- 0.0319    |
| Std Dev: 0.3546 +/- 0.0071 | Std Dev: 0.5047 +/- 0.0084 | Std Dev: 0.3801 +/- 0.0226 |

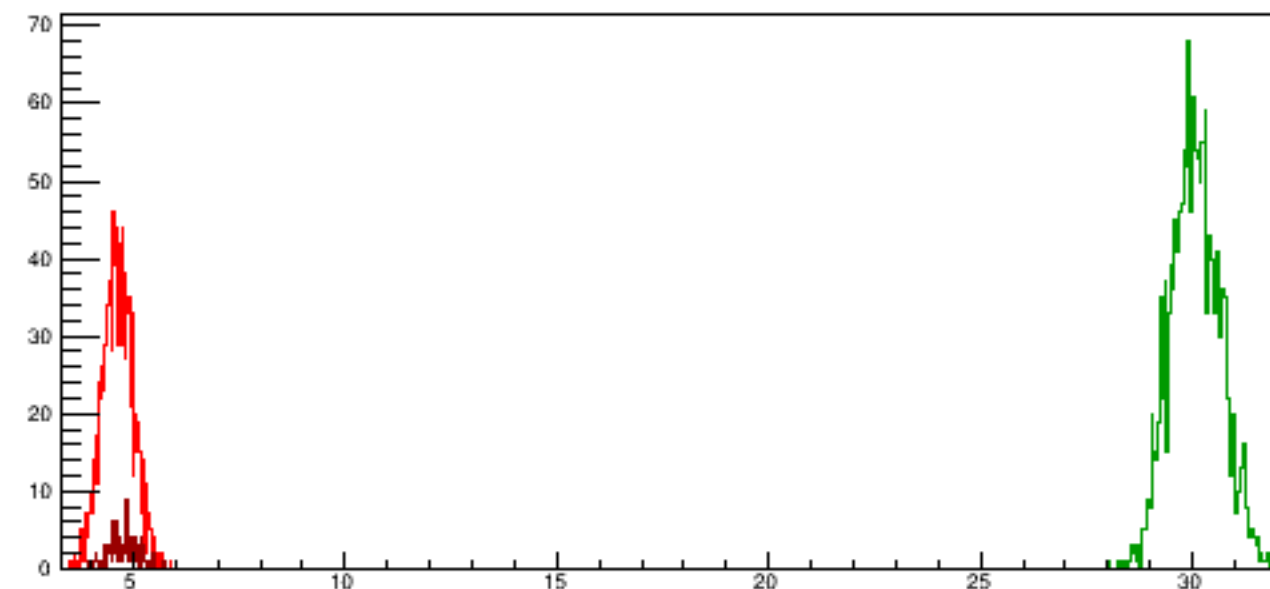
Run 5977 quartetwise, Diffs



## Cycle 18, Sums

| Entries: 1258              | Entries: 1800              | Entries: 142               |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.6352 +/- 0.0103    | Mean: 30.0732 +/- 0.0138   | Mean: 4.8089 +/- 0.0292    |
| Std Dev: 0.3651 +/- 0.0073 | Std Dev: 0.5862 +/- 0.0098 | Std Dev: 0.3483 +/- 0.0207 |

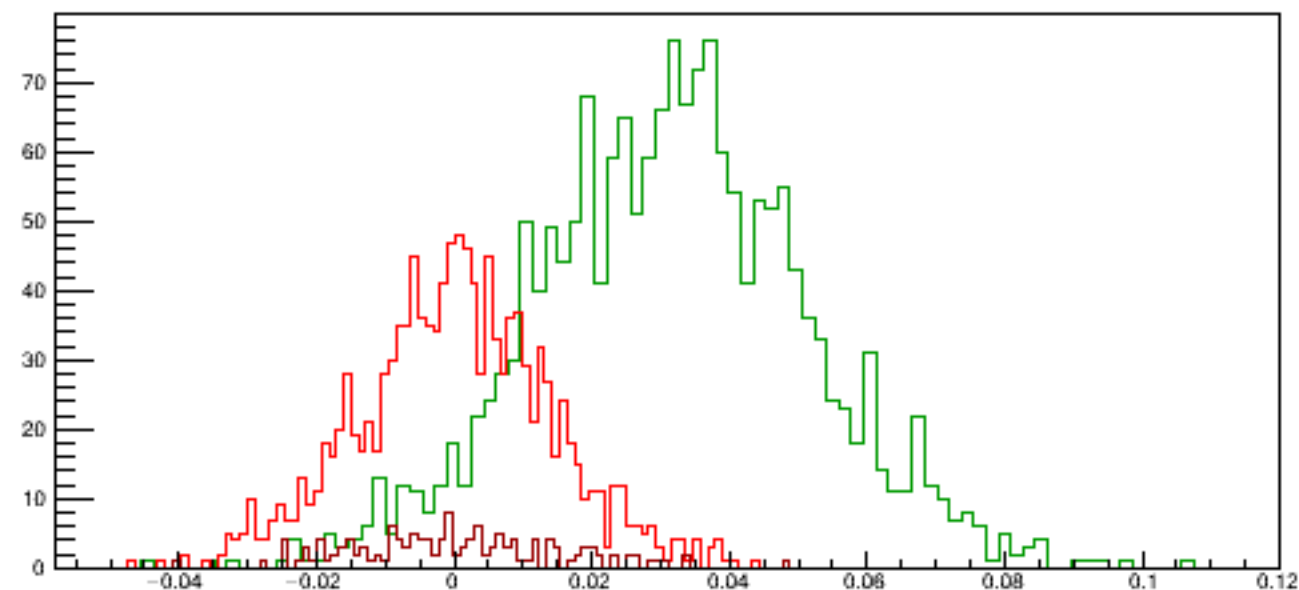
Run 5977 quartetwise, Sums



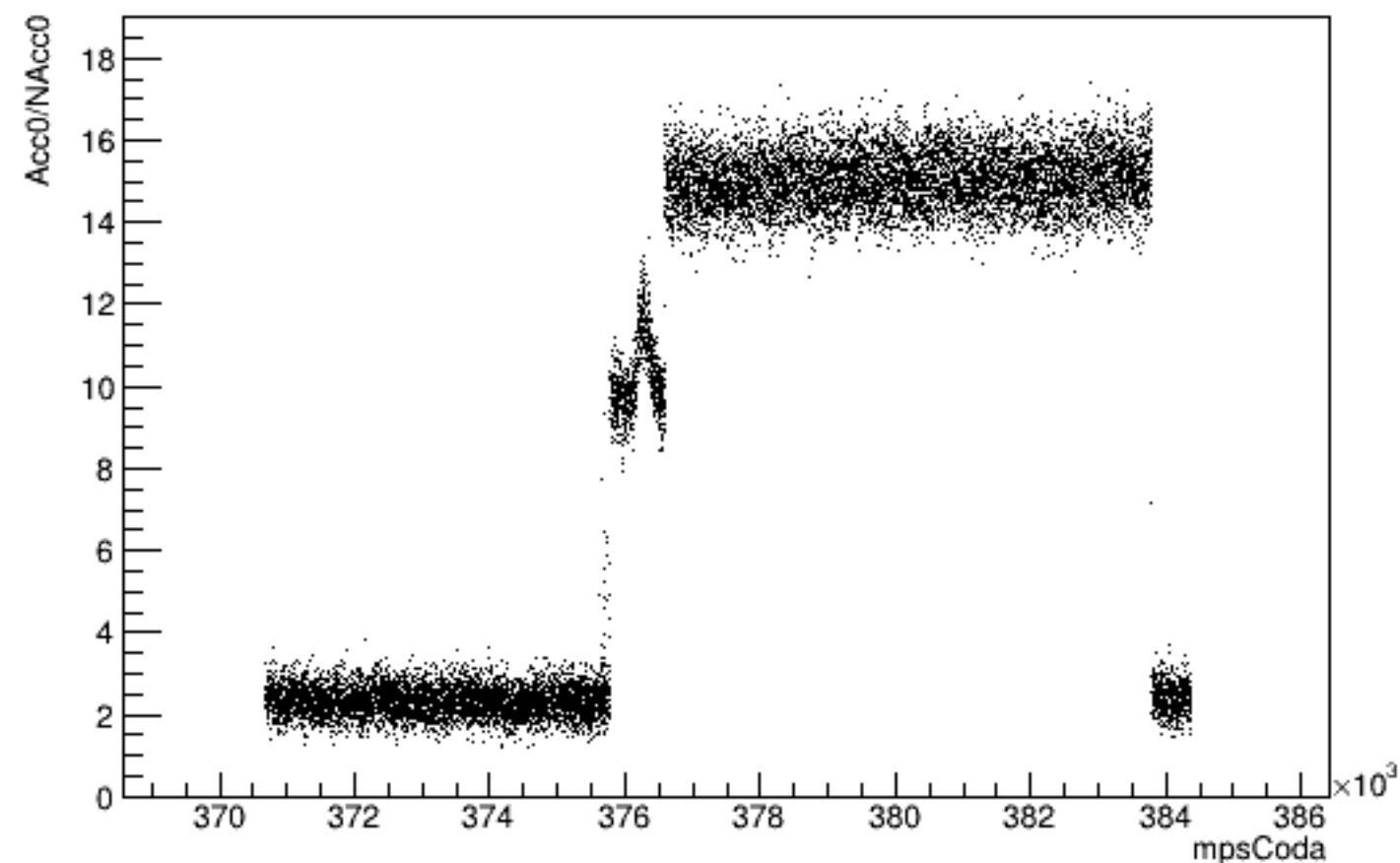
## Cycle 18, Asyms

| Entries: 1258              | Entries: 1800              | Entries: 142               |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0001 +/- 0.0004    | Mean: 0.0316 +/- 0.0005    | Mean: 0.0006 +/- 0.0013    |
| Std Dev: 0.0140 +/- 0.0003 | Std Dev: 0.0199 +/- 0.0003 | Std Dev: 0.0150 +/- 0.0009 |

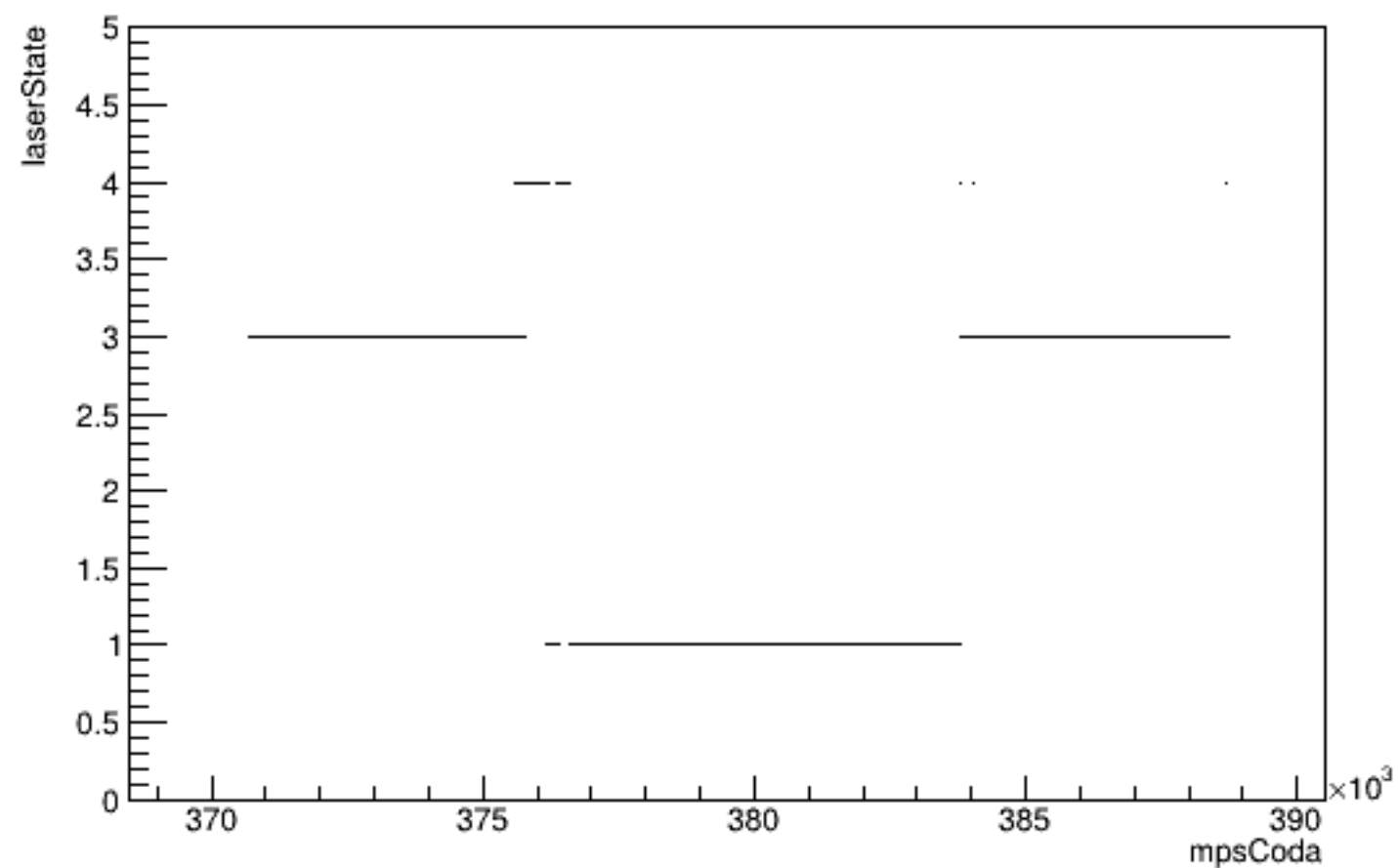
Run 5977 quartetwise, Asyms



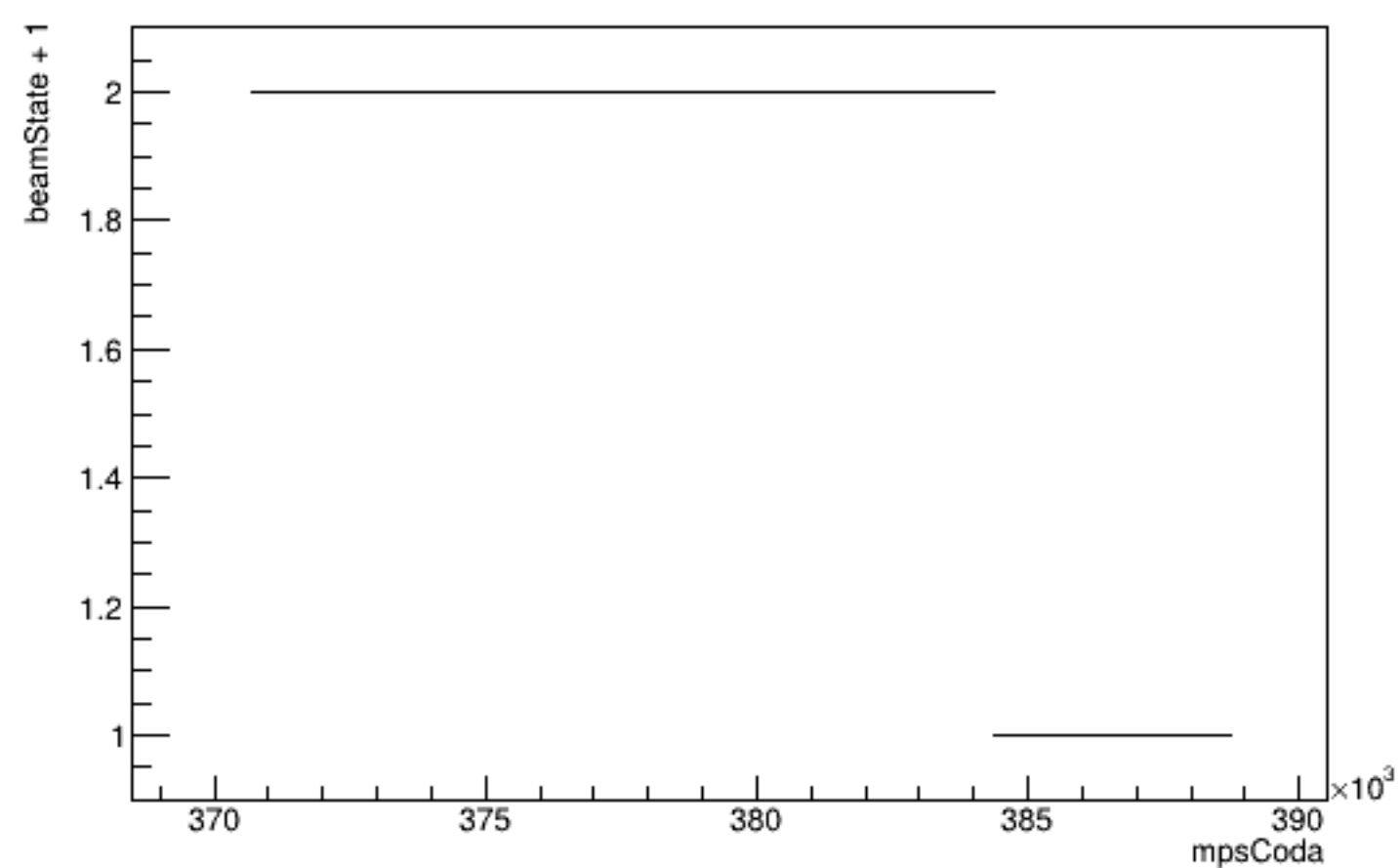
Acc0/NAcc0:mpsCoda (mpsCoda>=370687 && mpsCoda<=388730 && beamState==1)



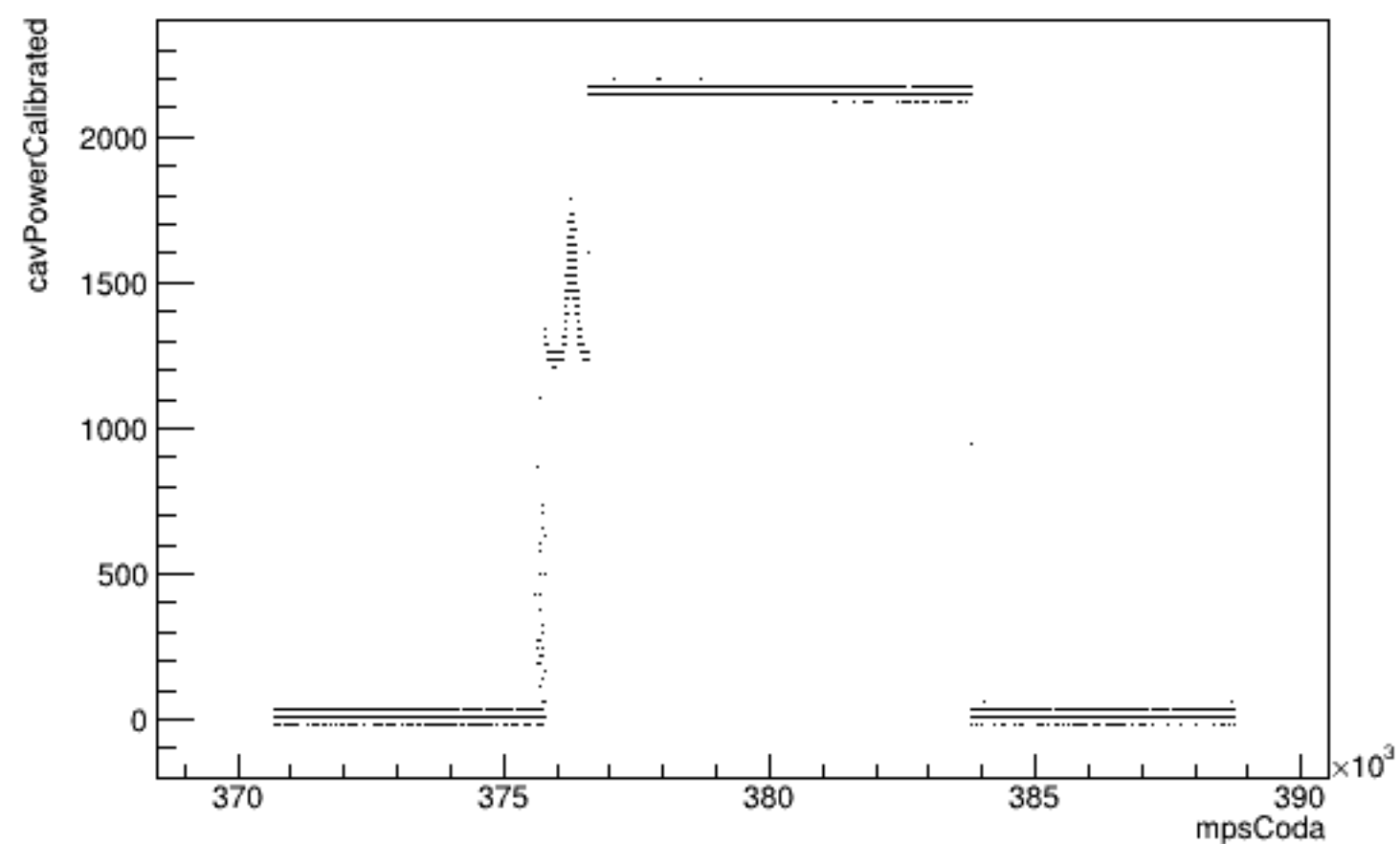
laserState:mpsCoda {mpsCoda&gt;=370687 &amp;&amp; mpsCoda&lt;=388730}



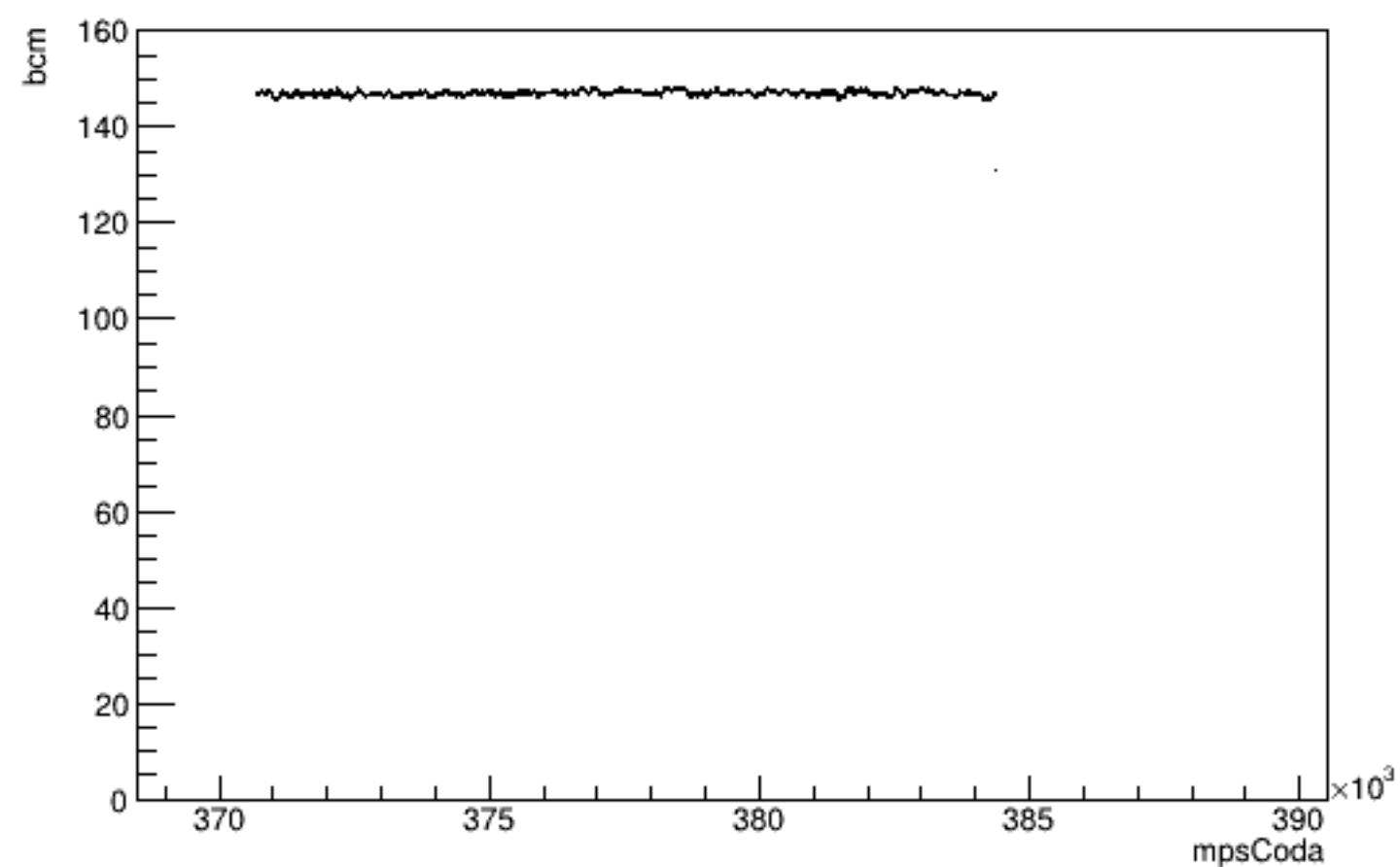
beamState + 1:mpsCoda {mpsCoda&gt;=370687 &amp;&amp; mpsCoda&lt;=388730}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=370687 &amp;&amp; mpsCoda&lt;=388730}



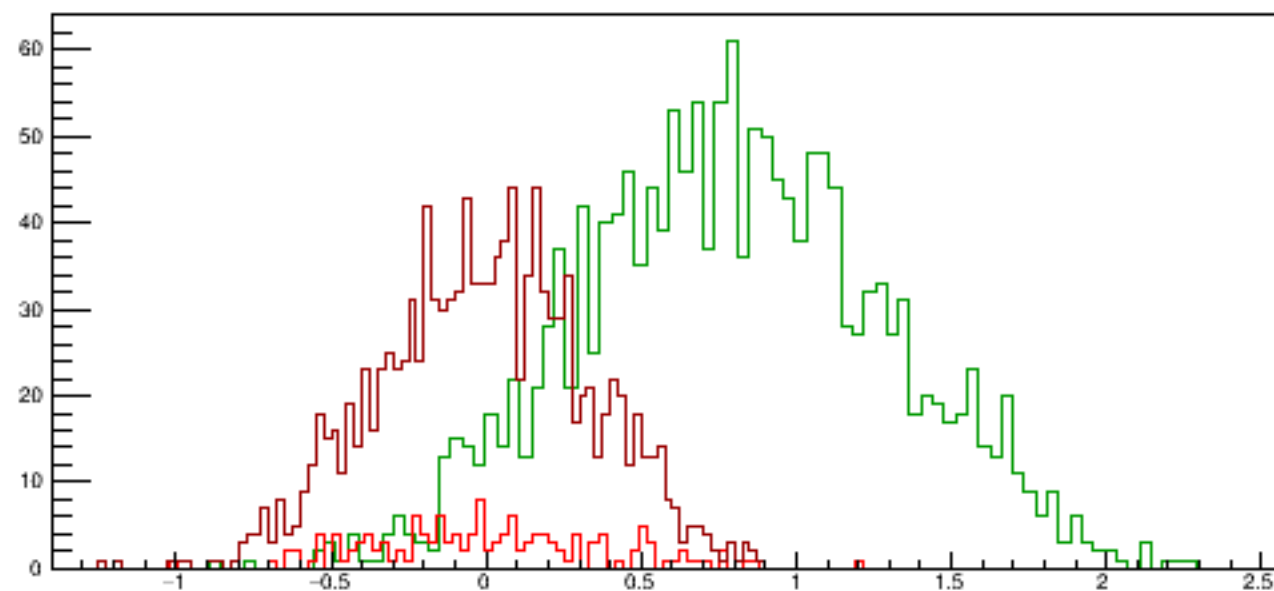
bcm:mpsCoda {mpsCoda&gt;=370687 &amp;&amp; mpsCoda&lt;=388730}



## Cycle 19, Diffs

| Entries: 142               | Entries: 1679              | Entries: 1245              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0142 +/- 0.0319    | Mean: 0.7969 +/- 0.0121    | Mean: -0.0077 +/- 0.0096   |
| Std Dev: 0.3801 +/- 0.0226 | Std Dev: 0.4956 +/- 0.0086 | Std Dev: 0.3383 +/- 0.0068 |

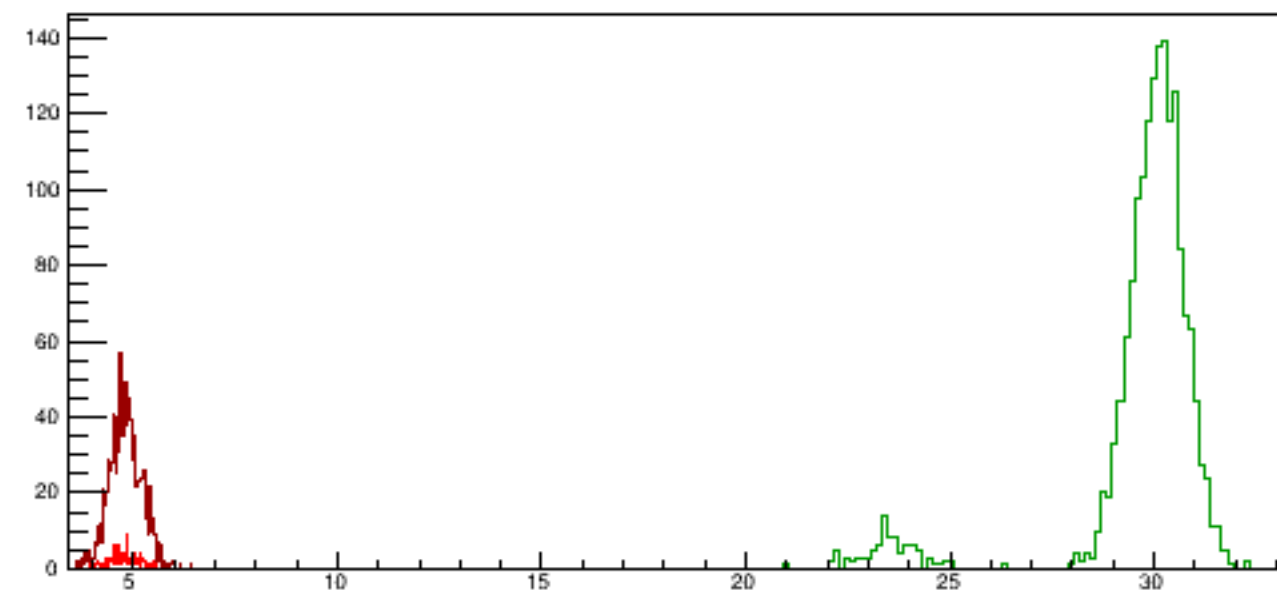
Run 5977 quartetwise, Diffs



## Cycle 19, Sums

| Entries: 142               | Entries: 1679              | Entries: 1245              |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.8089 +/- 0.0292    | Mean: 29.7332 +/- 0.0402   | Mean: 4.8015 +/- 0.0112    |
| Std Dev: 0.3483 +/- 0.0207 | Std Dev: 1.6466 +/- 0.0284 | Std Dev: 0.3936 +/- 0.0079 |

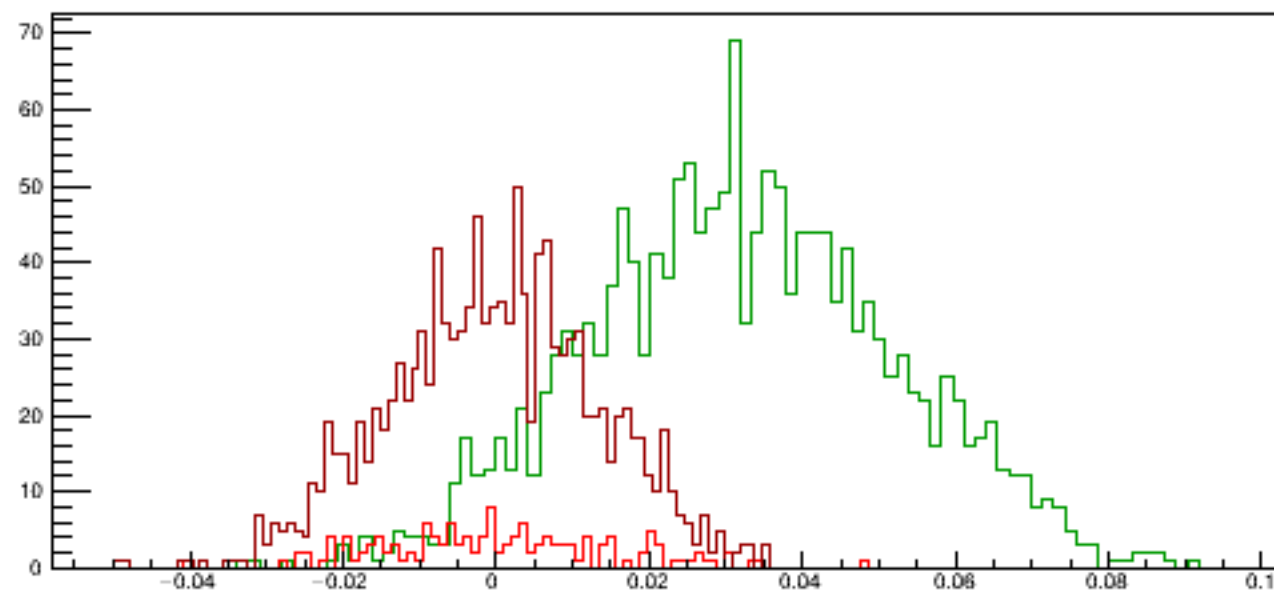
Run 5977 quartetwise, Sums



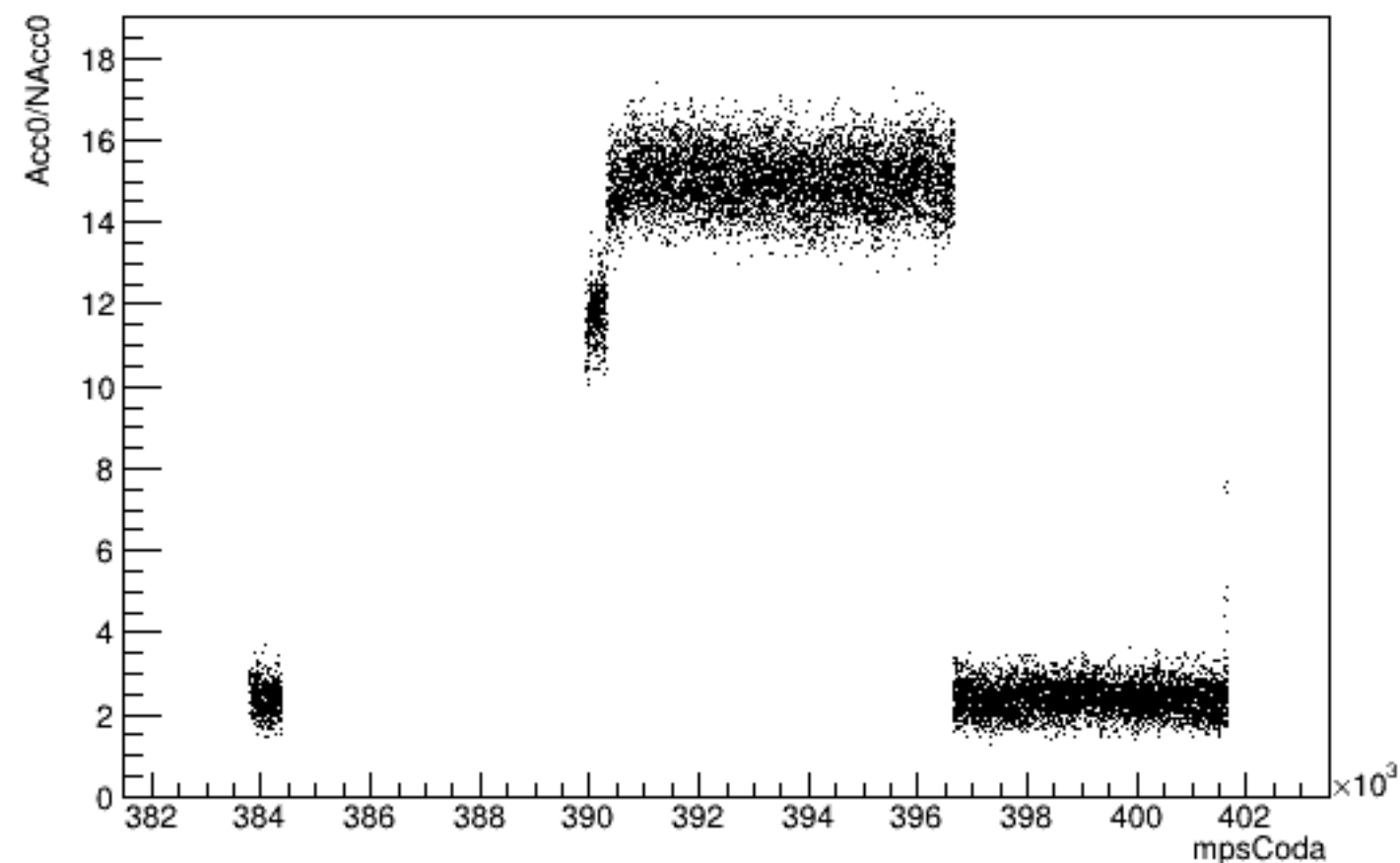
## Cycle 19, Asyms

| Entries: 142               | Entries: 1679              | Entries: 1245              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0006 +/- 0.0013    | Mean: 0.0320 +/- 0.0005    | Mean: -0.0003 +/- 0.0004   |
| Std Dev: 0.0152 +/- 0.0009 | Std Dev: 0.0199 +/- 0.0003 | Std Dev: 0.0136 +/- 0.0003 |

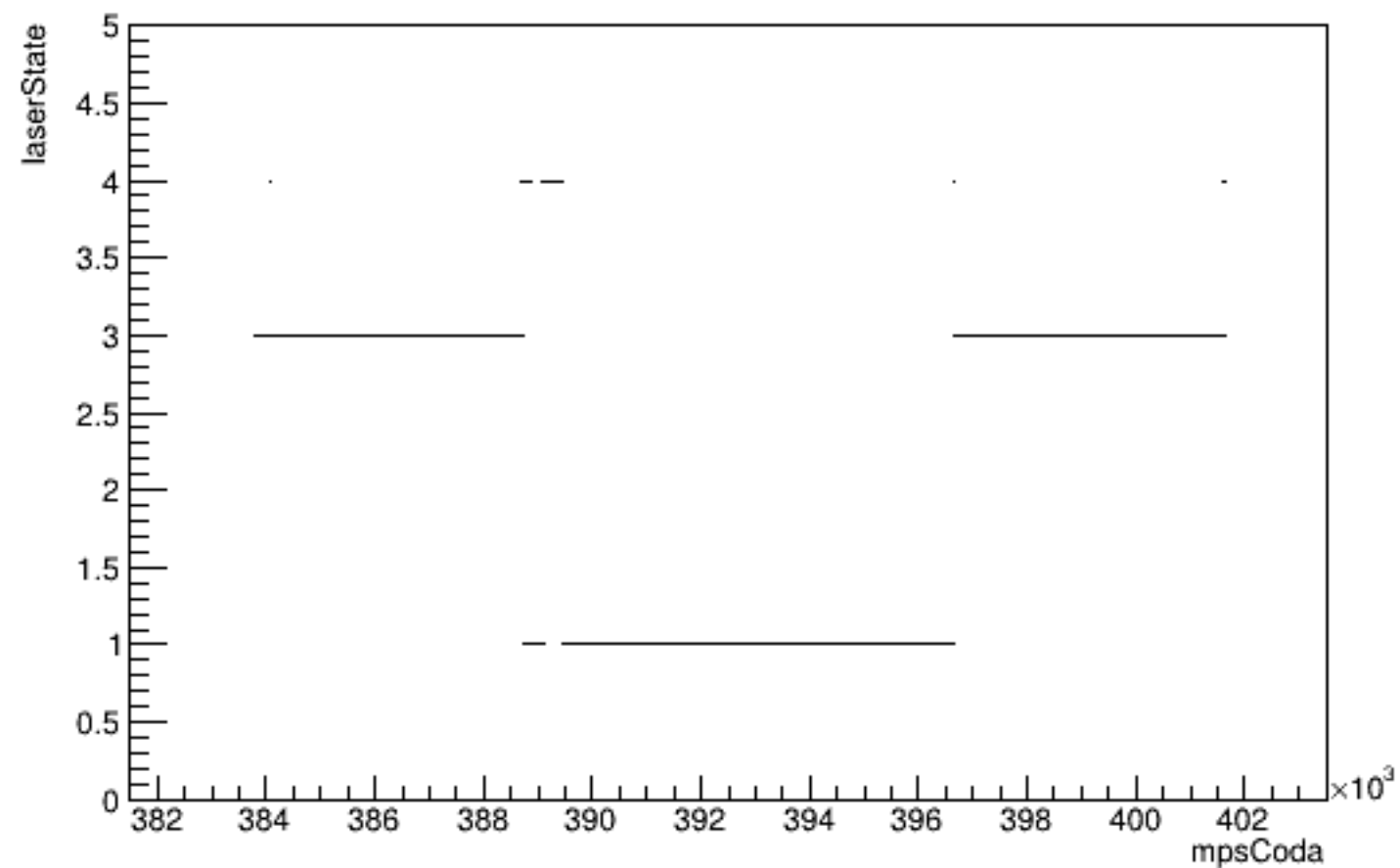
Run 5977 quartetwise, Asyms



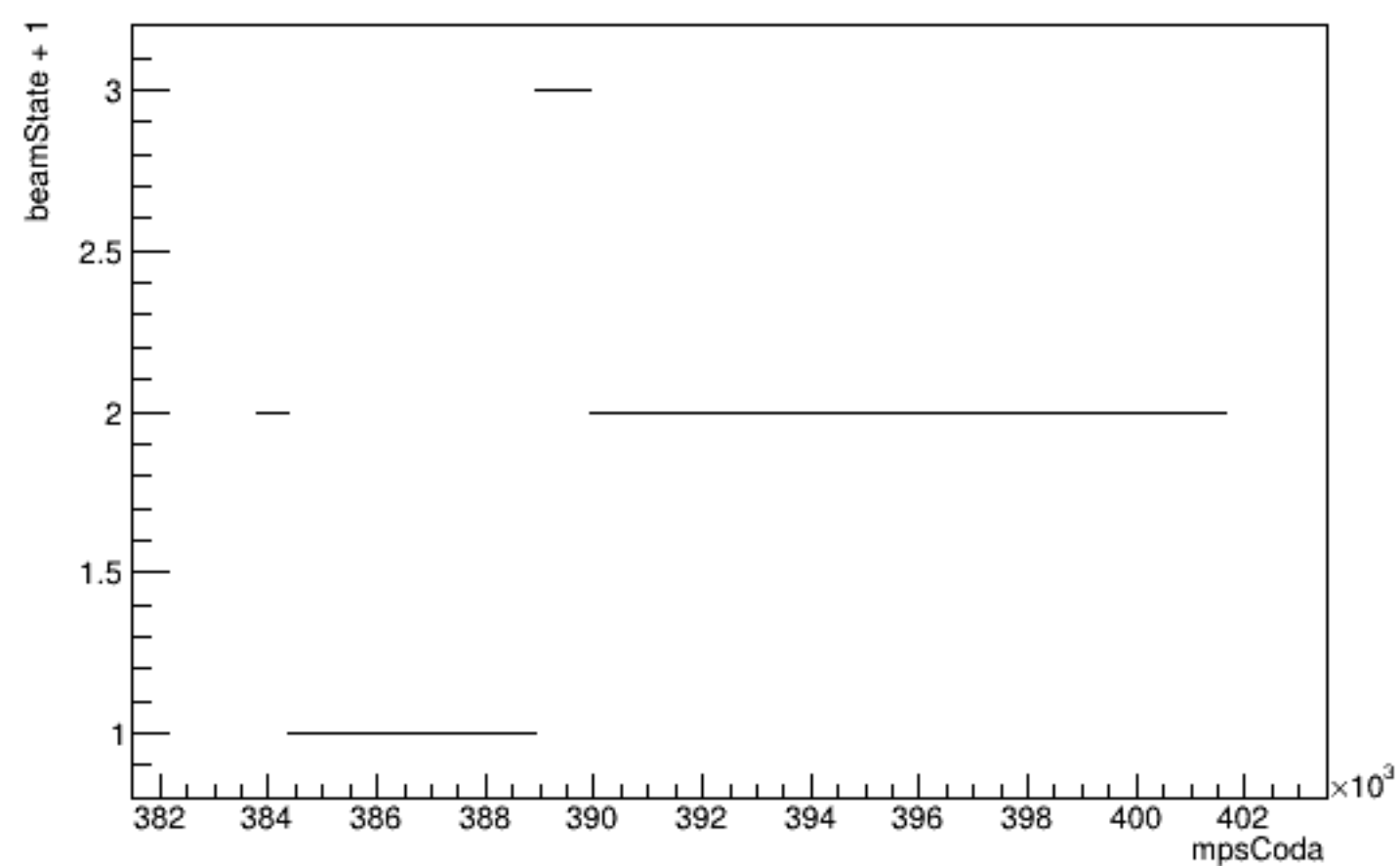
Acc0/NAcc0:mpsCoda (mpsCoda>=383795 && mpsCoda<=401670 && beamState==1)



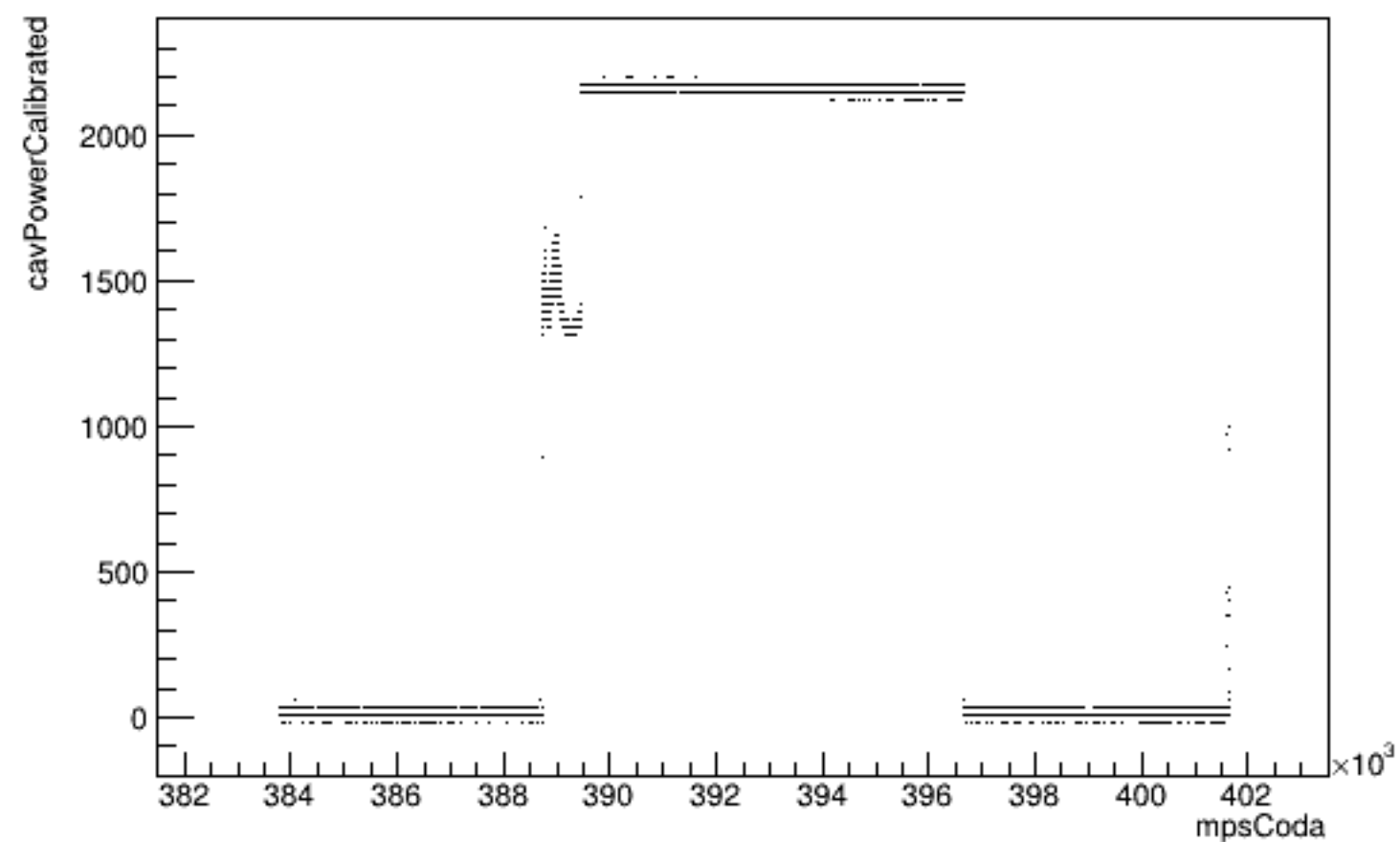
laserState:mpsCoda {mpsCoda&gt;=383795 &amp;&amp; mpsCoda&lt;=401670}



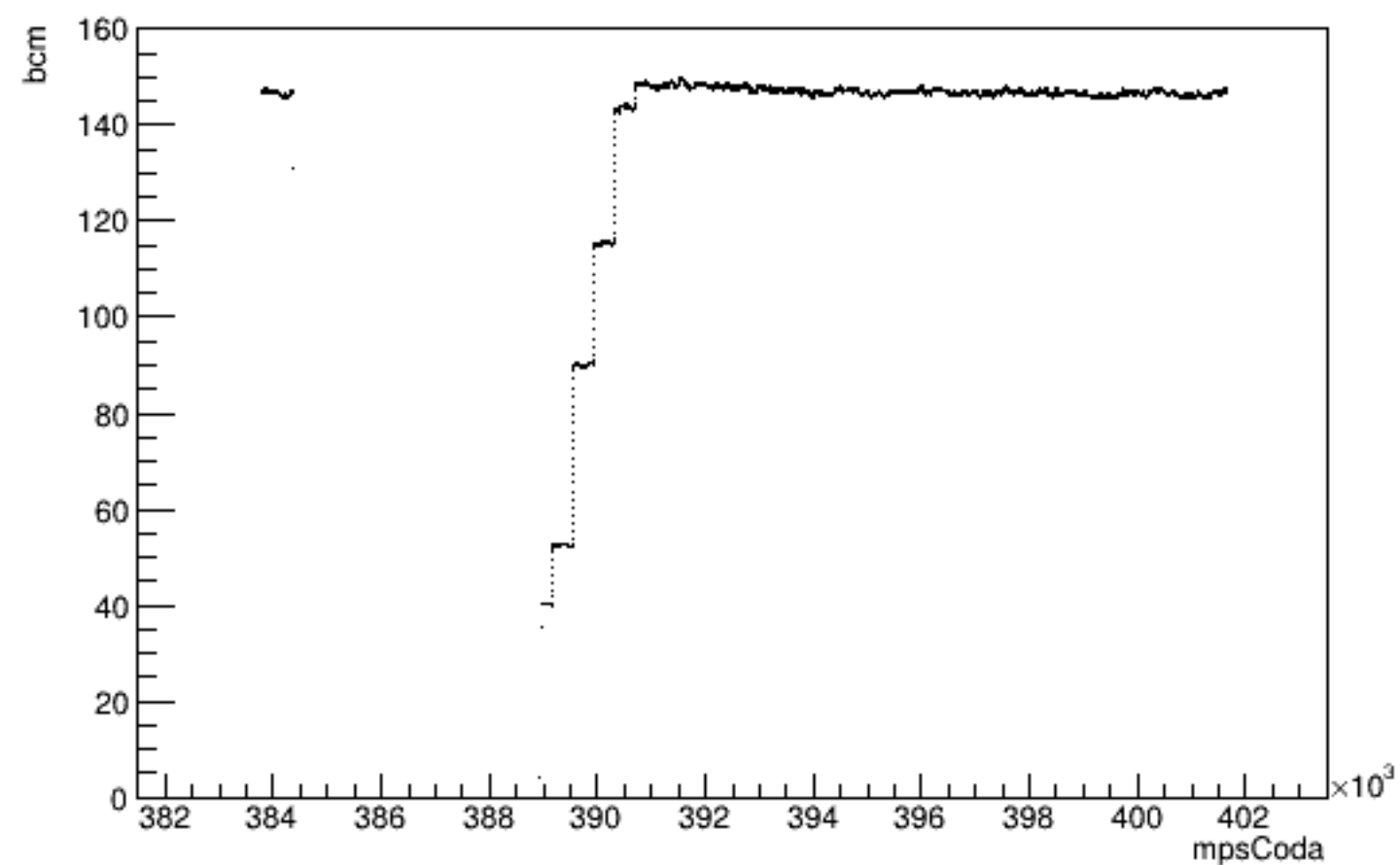
beamState + 1:mpsCoda {mpsCoda&gt;=383795 &amp;&amp; mpsCoda&lt;=401670}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=383795 &amp;&amp; mpsCoda&lt;=401670}



bcm:mpsCoda {mpsCoda&gt;=383795 &amp;&amp; mpsCoda&lt;=401670}



## Cycle 20, Diffs

Entries: 1245

Mean: -0.0077 +/- 0.0096

Std Dev: 0.3383 +/- 0.0068

Entries: 855

Mean: 0.7913 +/- 0.0167

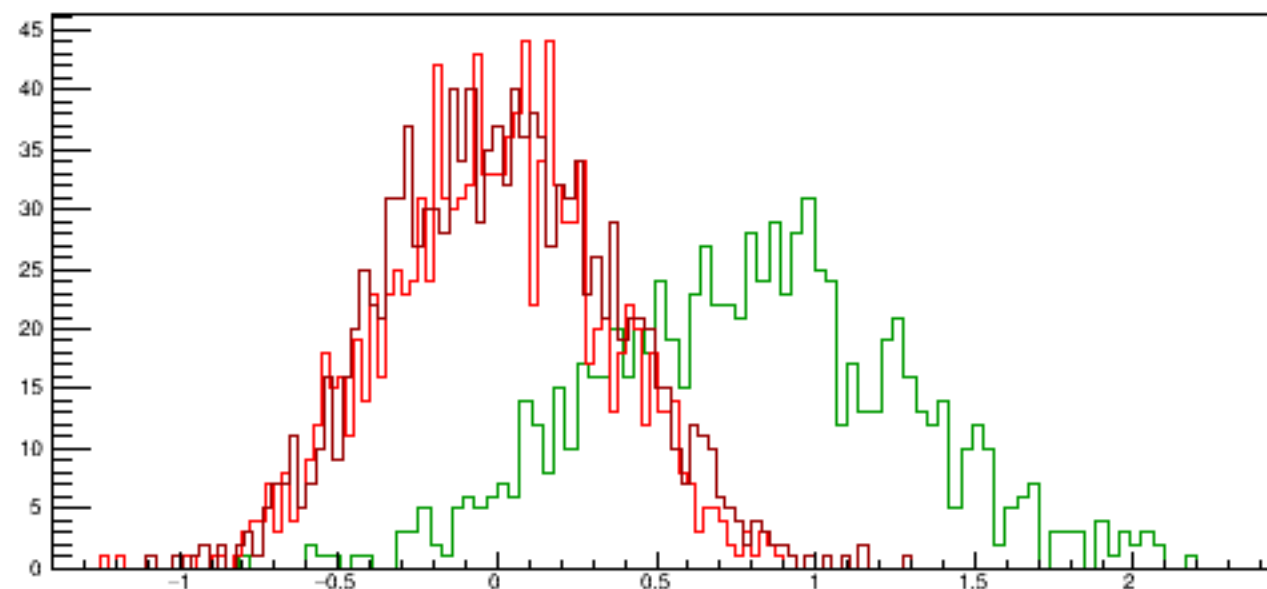
Std Dev: 0.4894 +/- 0.0118

Entries: 1224

Mean: 0.0133 +/- 0.0103

Std Dev: 0.3593 +/- 0.0073

Run 5977 quartetwise, Diffs



## Cycle 20, Sums

Entries: 1245

Mean: 4.8015 +/- 0.0112

Std Dev: 0.3936 +/- 0.0079

Entries: 855

Mean: 29.2829 +/- 0.0769

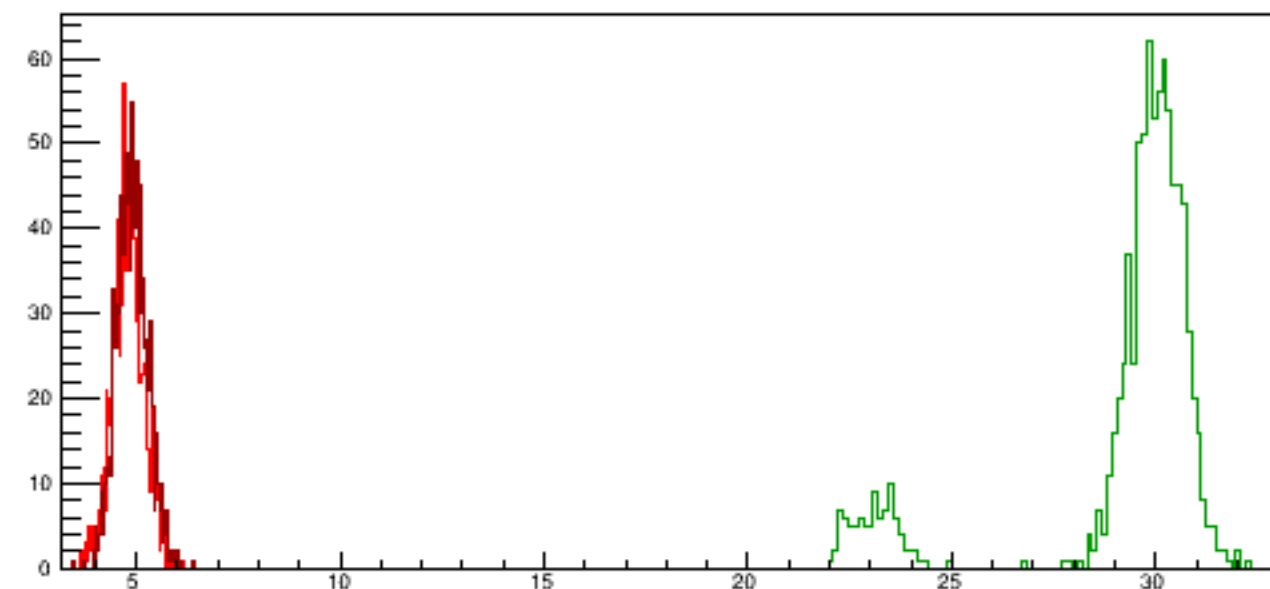
Std Dev: 2.2487 +/- 0.0544

Entries: 1224

Mean: 4.8957 +/- 0.0108

Std Dev: 0.3783 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 20, Asyms

Entries: 1245

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0138 +/- 0.0003

Entries: 855

Mean: 0.0325 +/- 0.0007

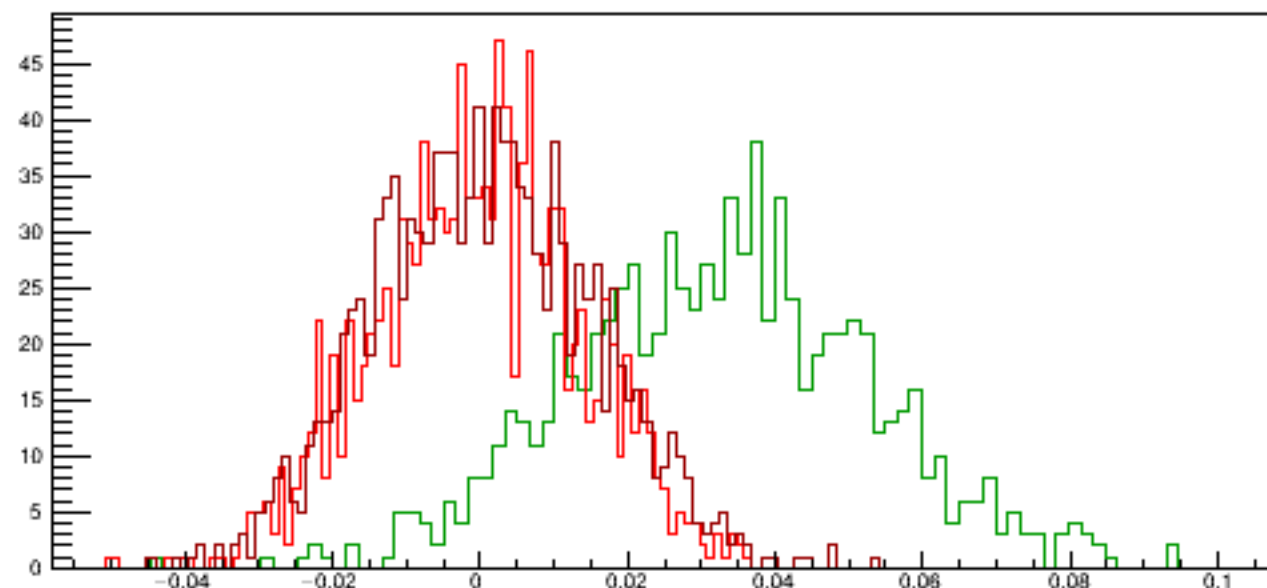
Std Dev: 0.0203 +/- 0.0005

Entries: 1224

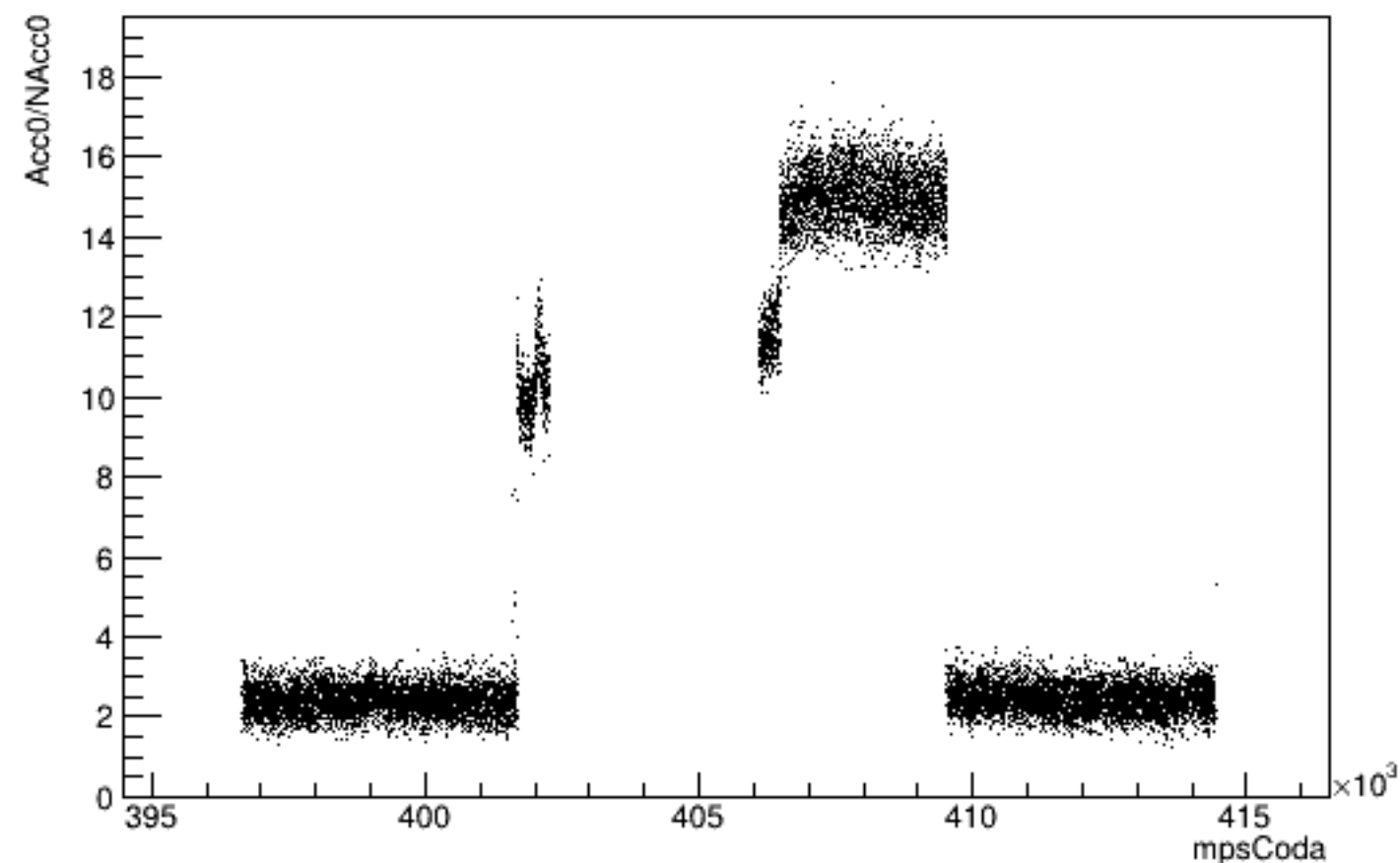
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0147 +/- 0.0003

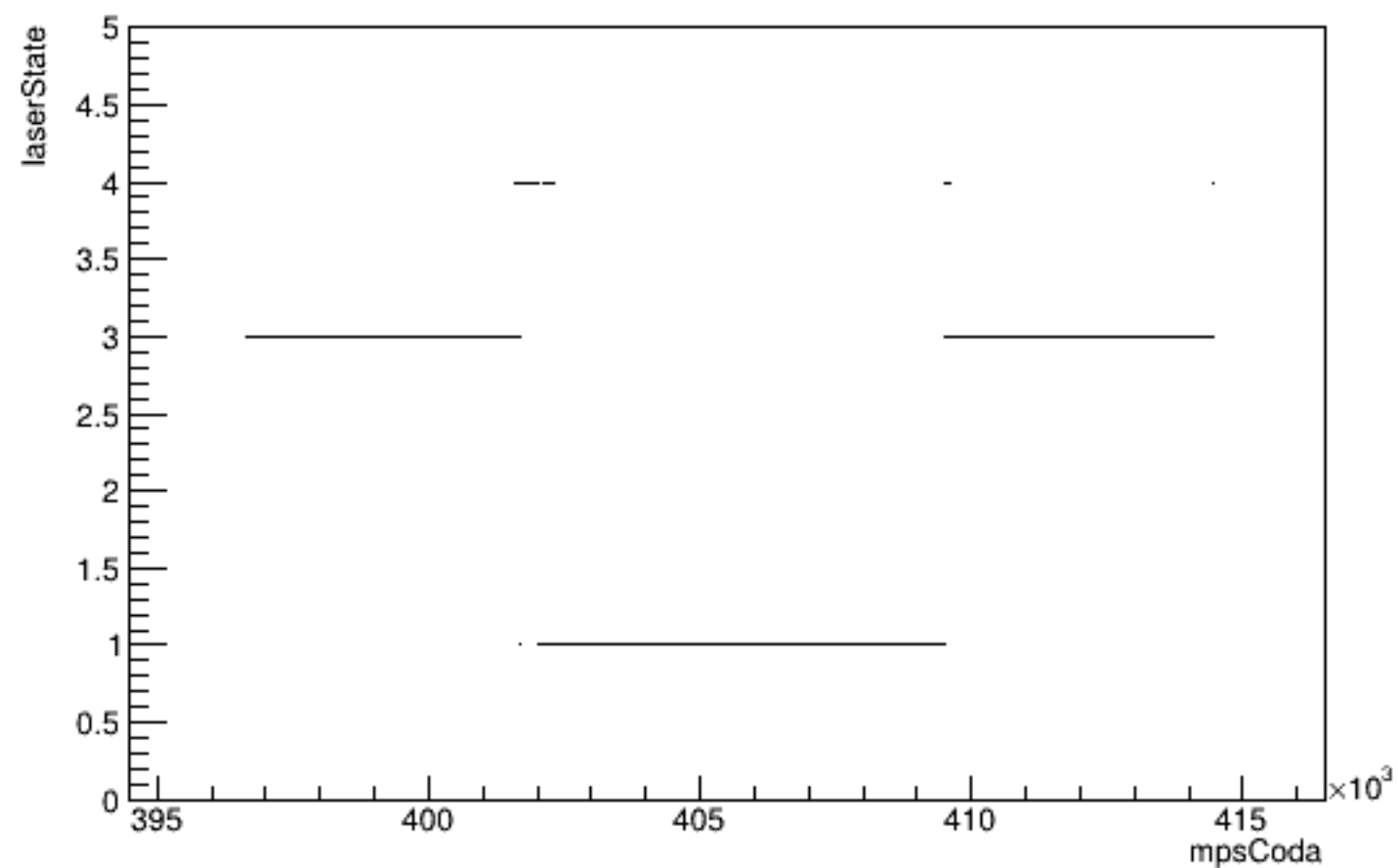
Run 5977 quartetwise, Asyms



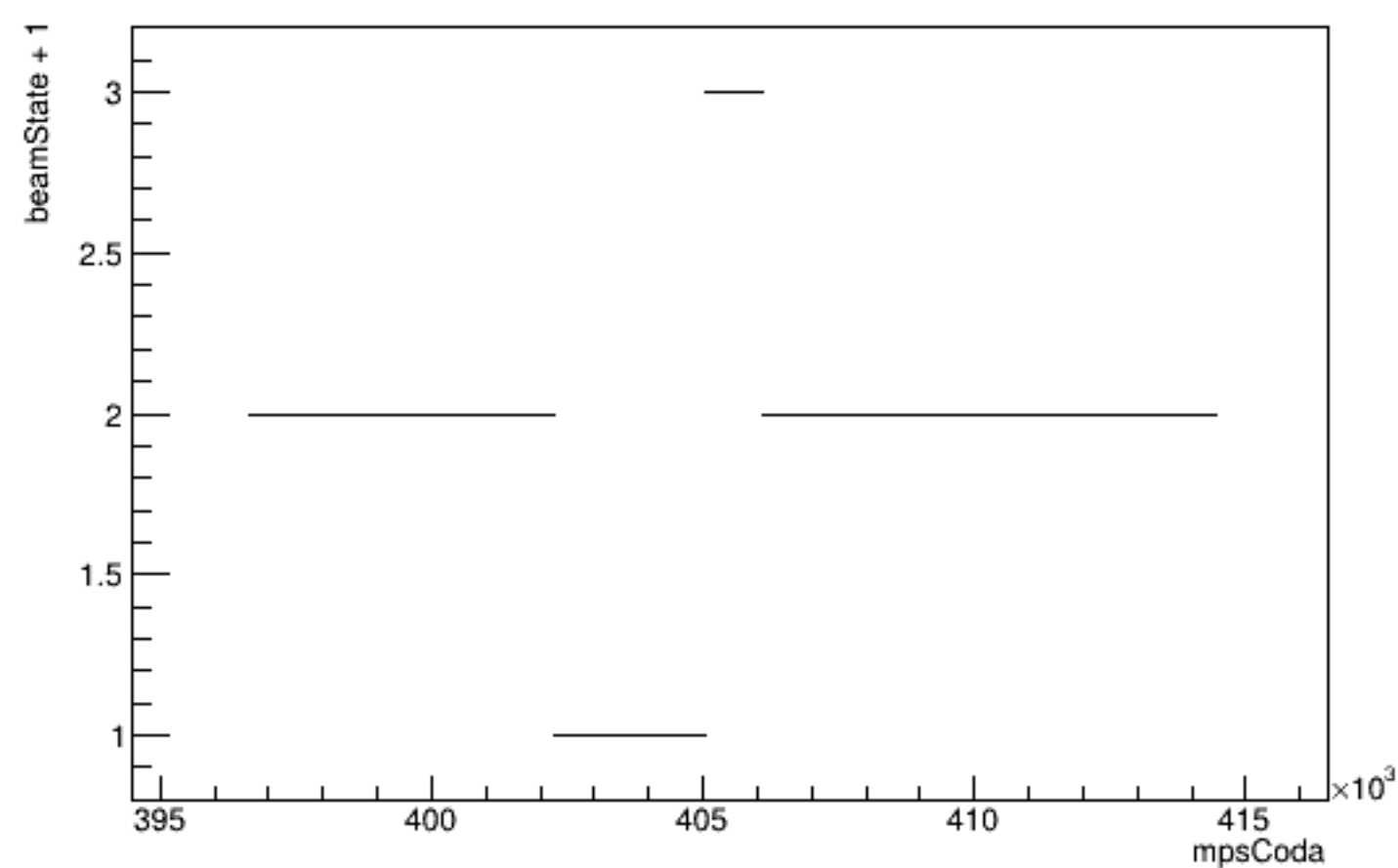
Acc0/NAcc0:mpsCoda (mpsCoda>=396659 && mpsCoda<=414434 && beamState==1)



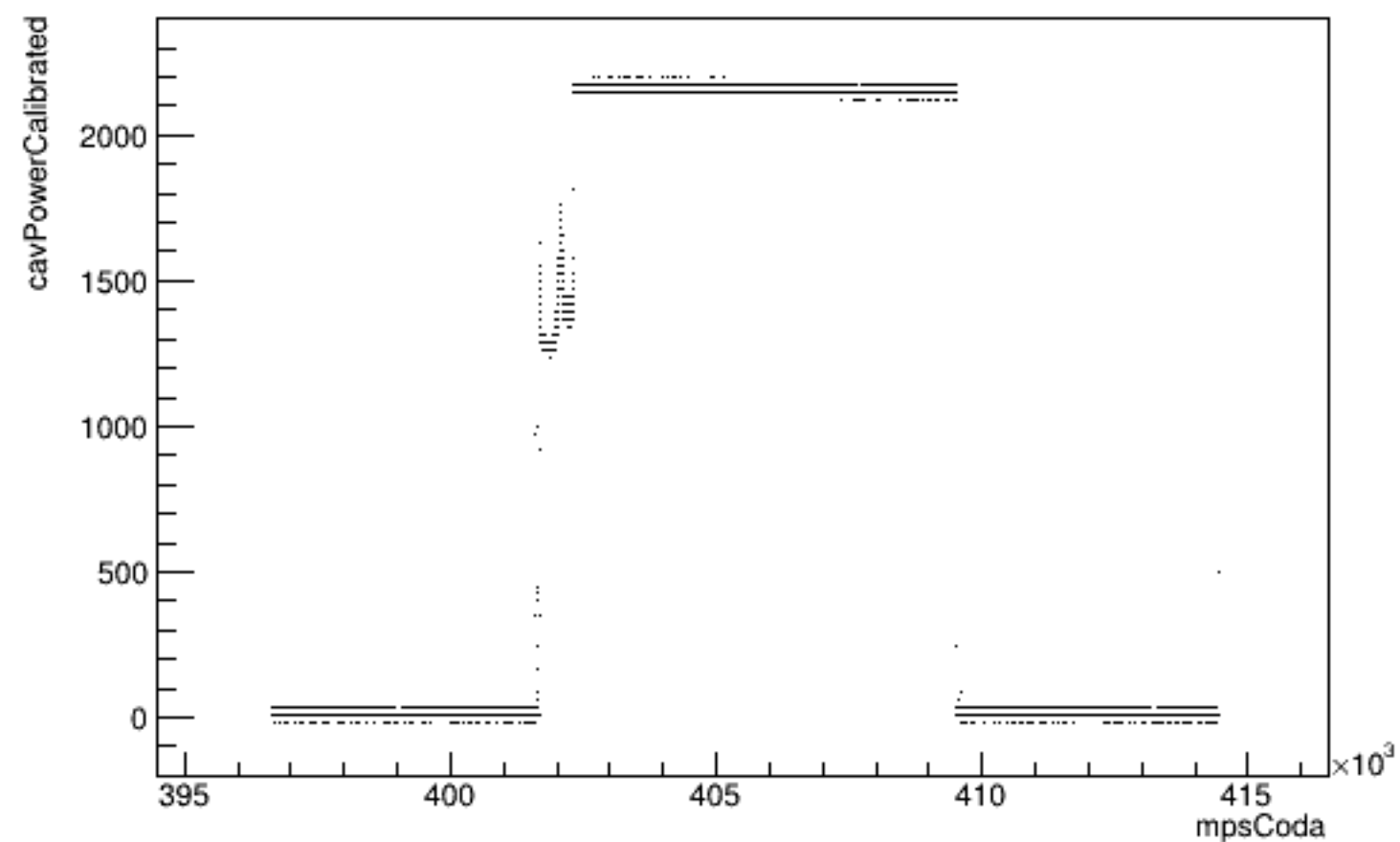
laserState:mpsCoda {mpsCoda&gt;=396659 &amp;&amp; mpsCoda&lt;=414434}



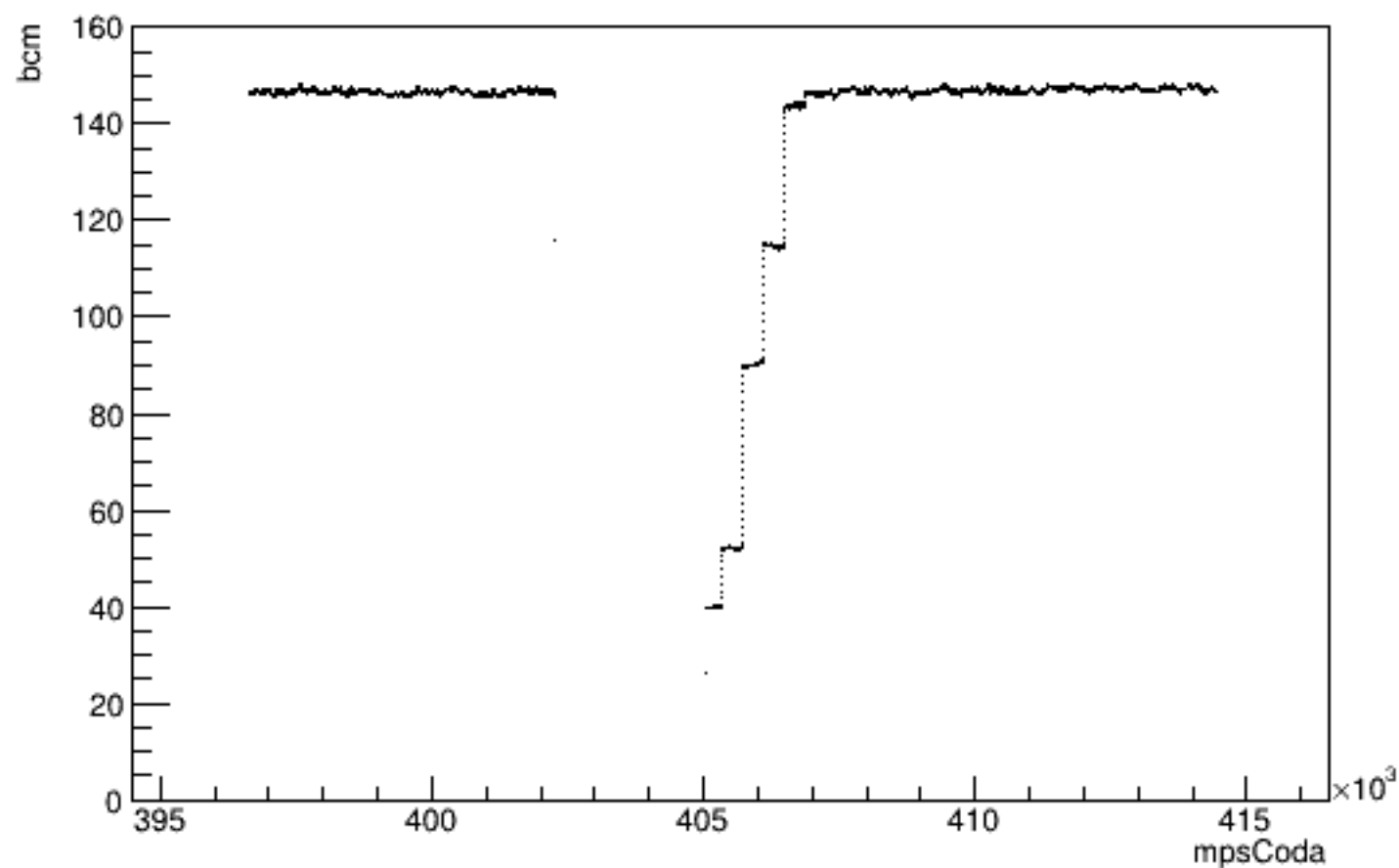
beamState + 1:mpsCoda {mpsCoda&gt;=396659 &amp;&amp; mpsCoda&lt;=414434}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=396659 &amp;&amp; mpsCoda&lt;=414434}



bcm:mpsCoda {mpsCoda&gt;=396659 &amp;&amp; mpsCoda&lt;=414434}



## Cycle 21, Diffs

Entries: 1224

Mean: 0.0133 +/- 0.0103

Std Dev: 0.3593 +/- 0.0073

Entries: 1801

Mean: 0.7941 +/- 0.0117

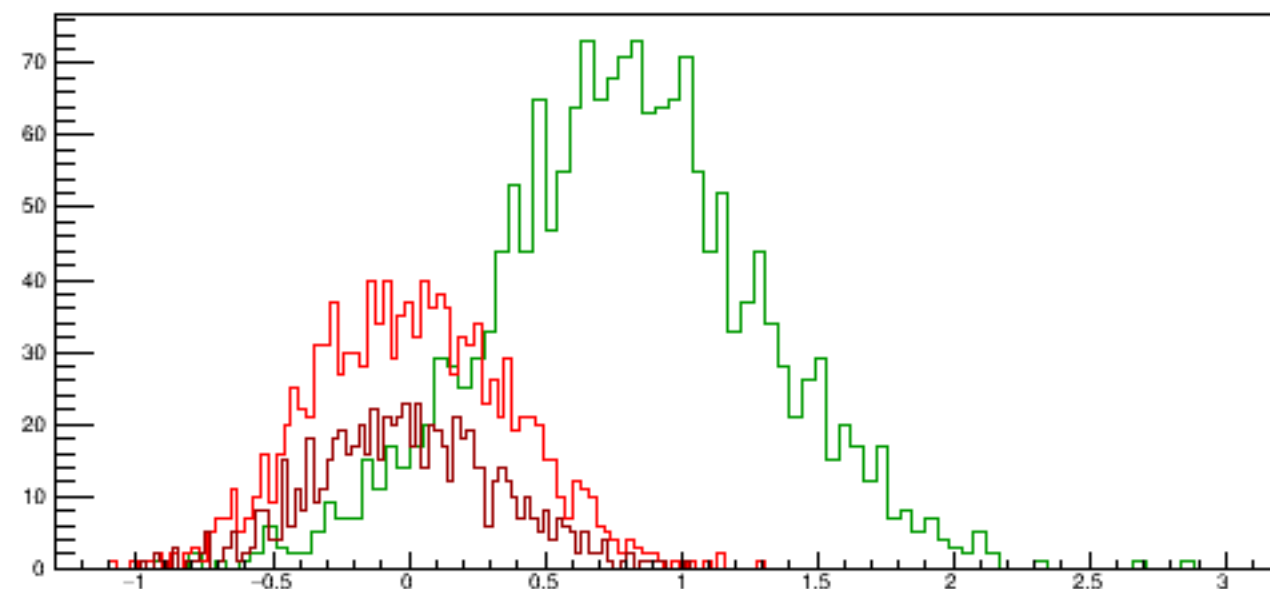
Std Dev: 0.4984 +/- 0.0083

Entries: 721

Mean: -0.0072 +/- 0.0126

Std Dev: 0.3378 +/- 0.0089

Run 5977 quartetwise, Diffs



## Cycle 21, Sums

Entries: 1224

Mean: 4.8957 +/- 0.0108

Std Dev: 0.3783 +/- 0.0076

Entries: 1801

Mean: 29.9973 +/- 0.0147

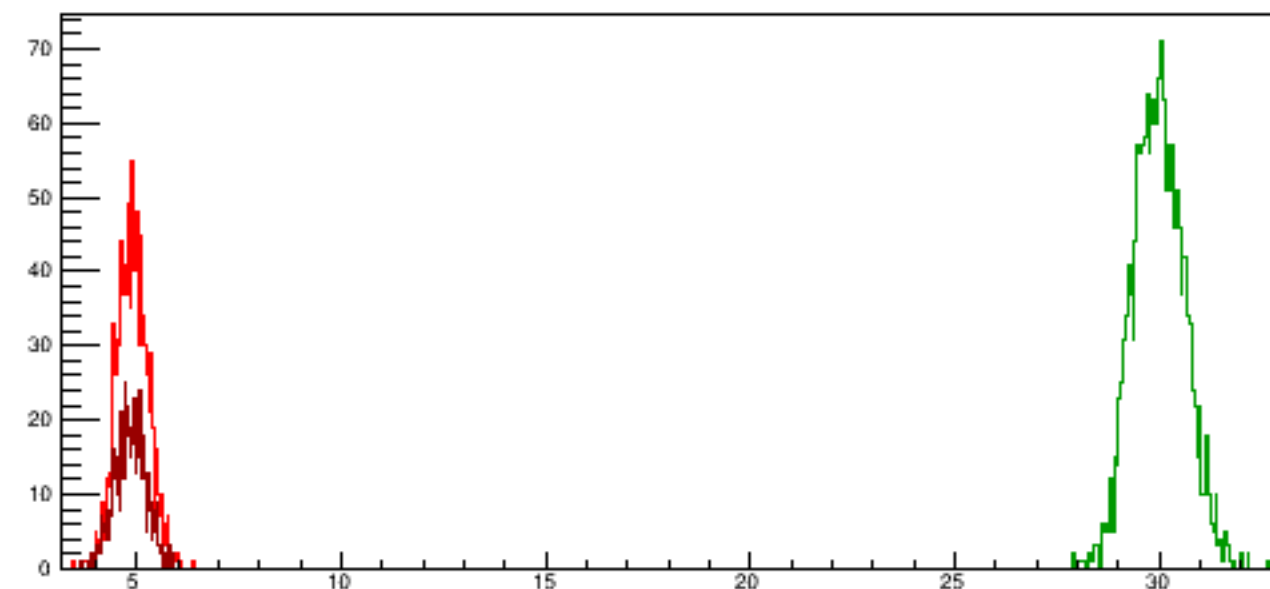
Std Dev: 0.6259 +/- 0.0104

Entries: 721

Mean: 4.8406 +/- 0.0142

Std Dev: 0.3809 +/- 0.0100

Run 5977 quartetwise, Sums



## Cycle 21, Asyms

Entries: 1224

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0143 +/- 0.0003

Entries: 1801

Mean: 0.0316 +/- 0.0005

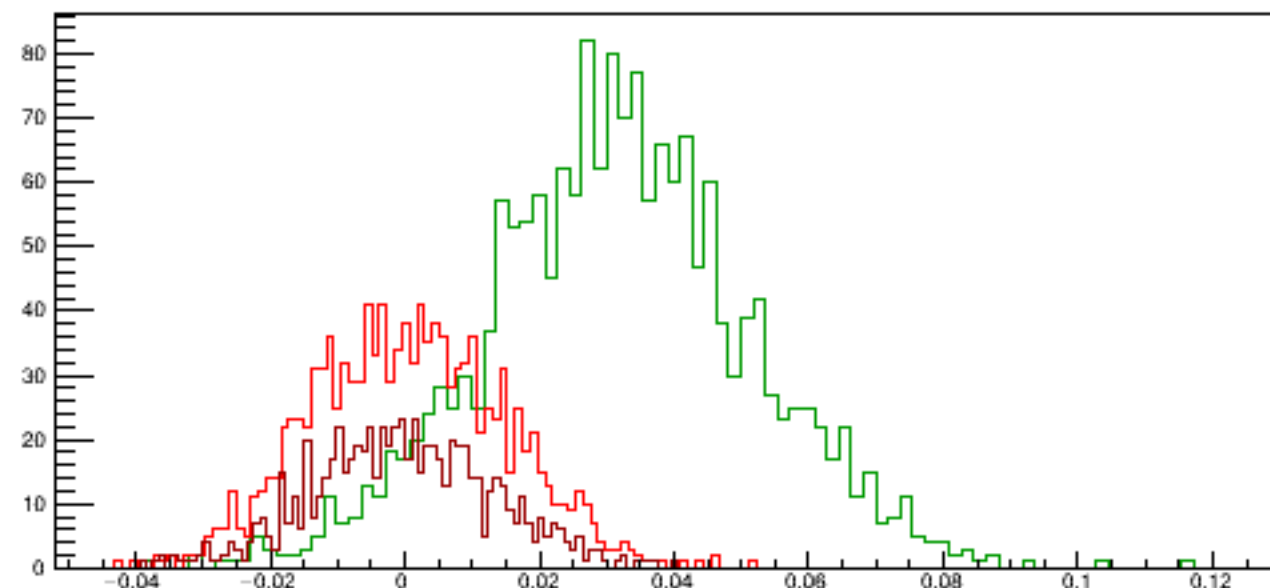
Std Dev: 0.0199 +/- 0.0003

Entries: 721

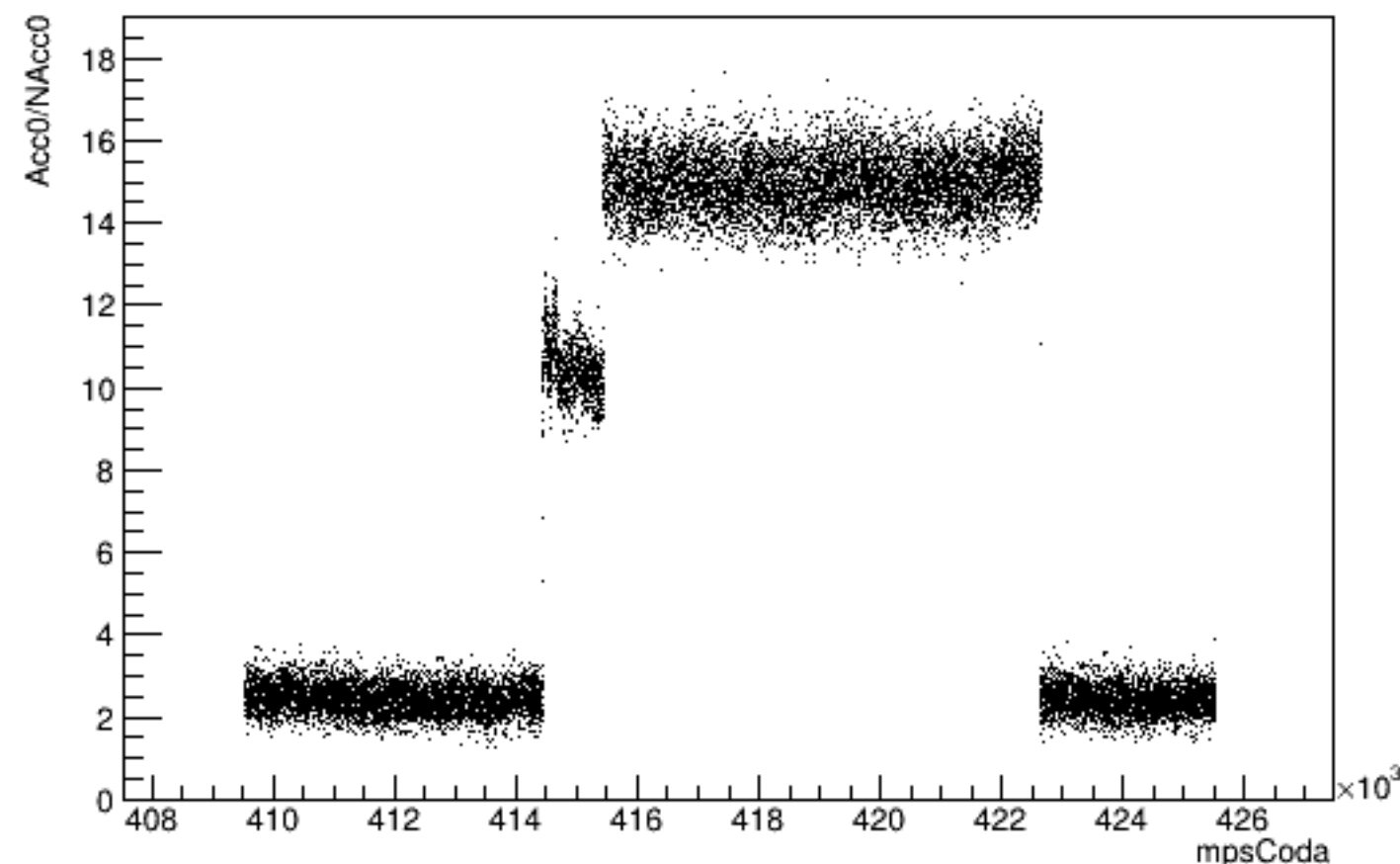
Mean: -0.0003 +/- 0.0005

Std Dev: 0.0134 +/- 0.0004

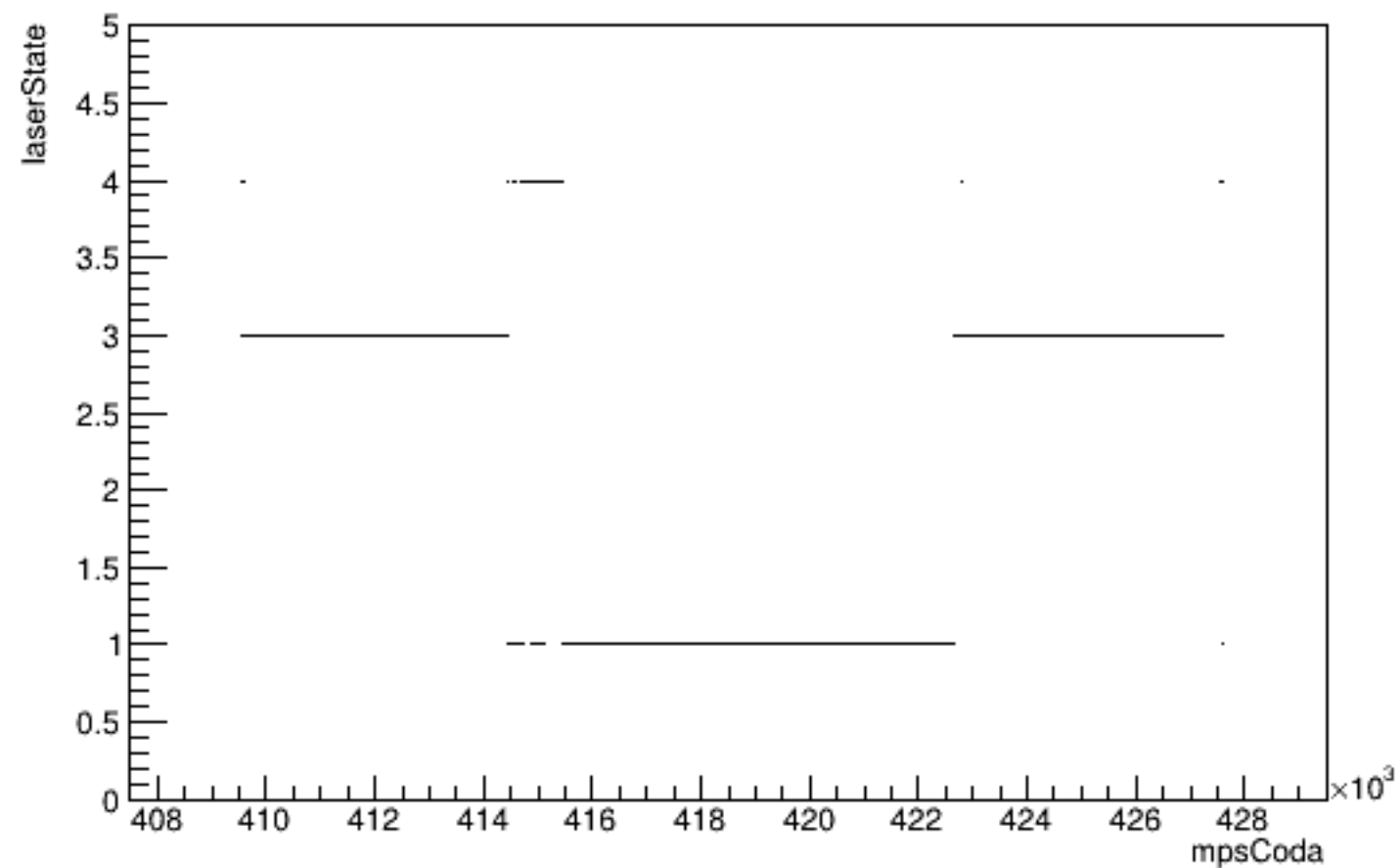
Run 5977 quartetwise, Asyms



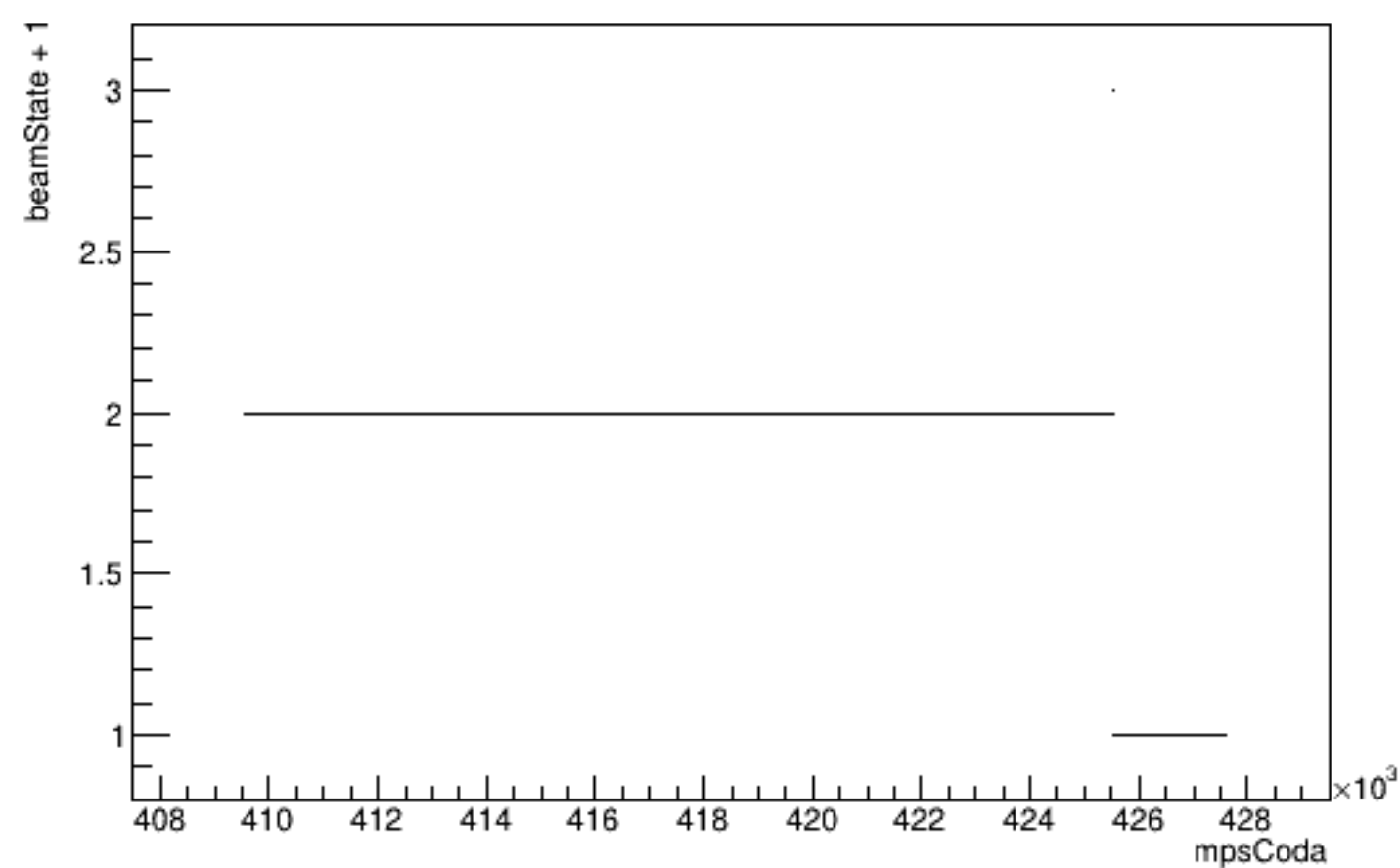
Acc0/NAcc0:mpsCoda (mpsCoda>=409527 && mpsCoda<=427602 && beamState==1)



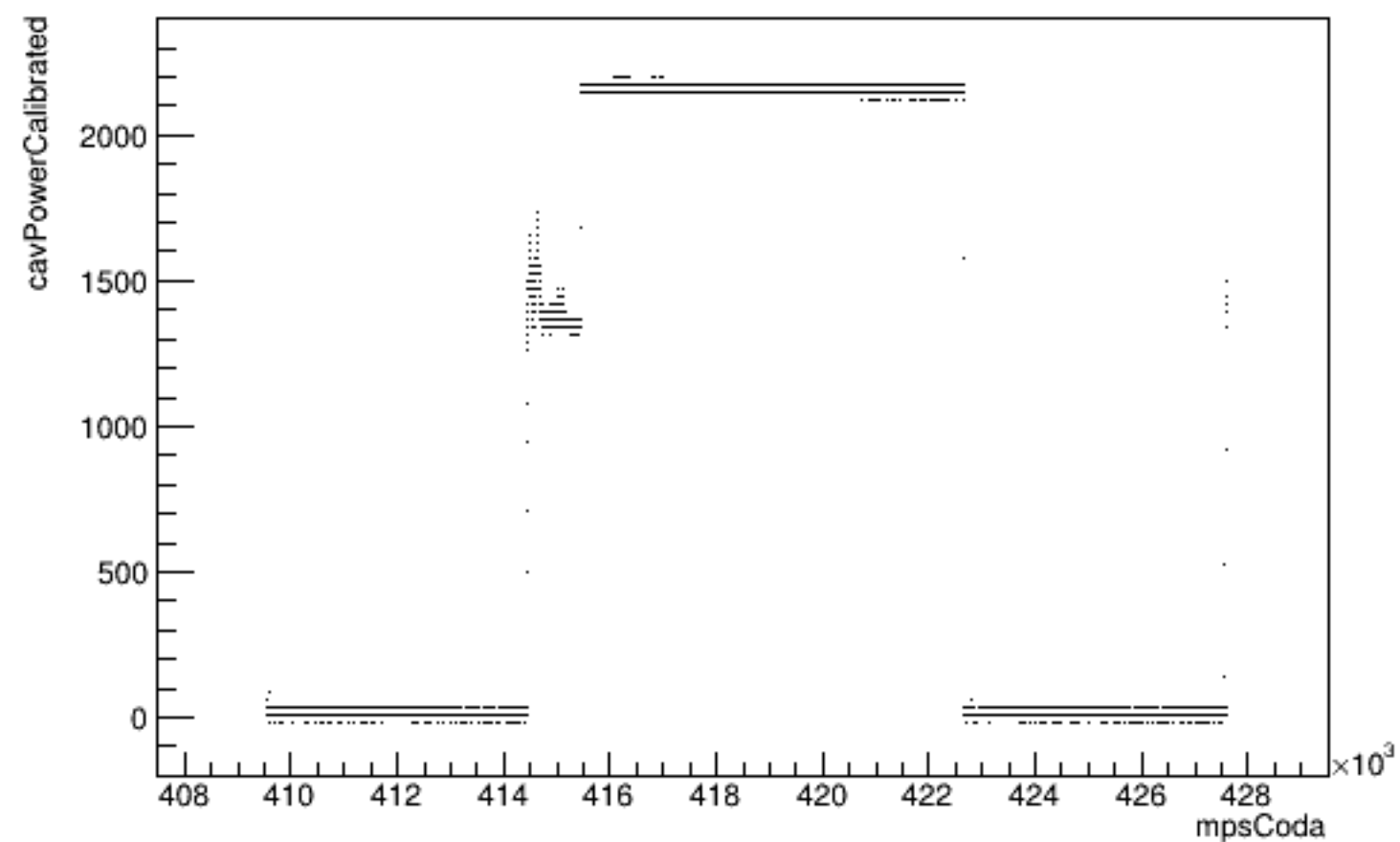
laserState:mpsCoda {mpsCoda&gt;=409527 &amp;&amp; mpsCoda&lt;=427602}



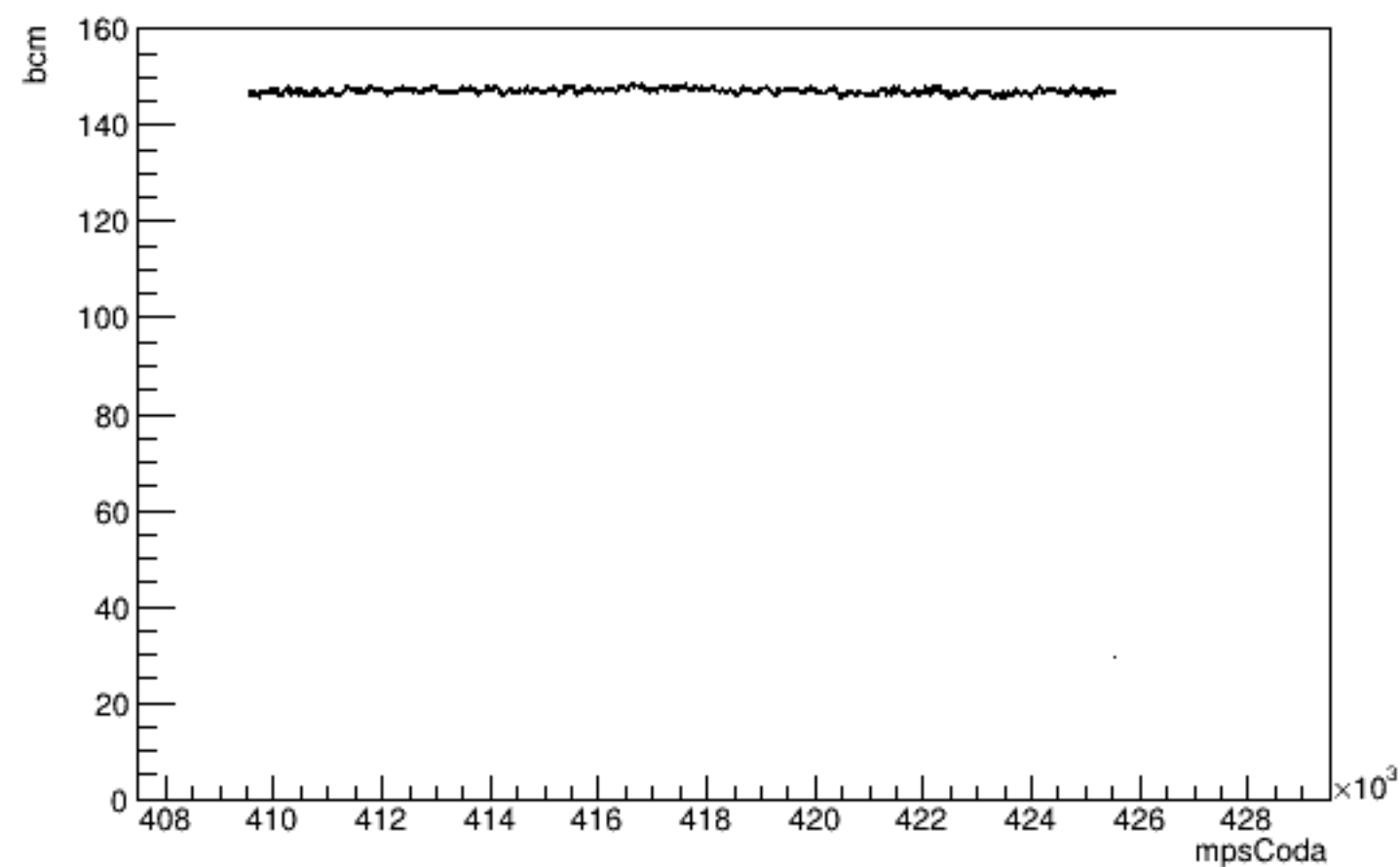
beamState + 1:mpsCoda {mpsCoda&gt;=409527 &amp;&amp; mpsCoda&lt;=427602}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=409527 &amp;&amp; mpsCoda&lt;=427602}



bcm:mpsCoda {mpsCoda&gt;=409527 &amp;&amp; mpsCoda&lt;=427602}



## Cycle 22, Diffs

Entries: 1238

Mean: 0.0042 +/- 0.0102

Std Dev: 0.3584 +/- 0.0072

Entries: 1811

Mean: 0.7809 +/- 0.0119

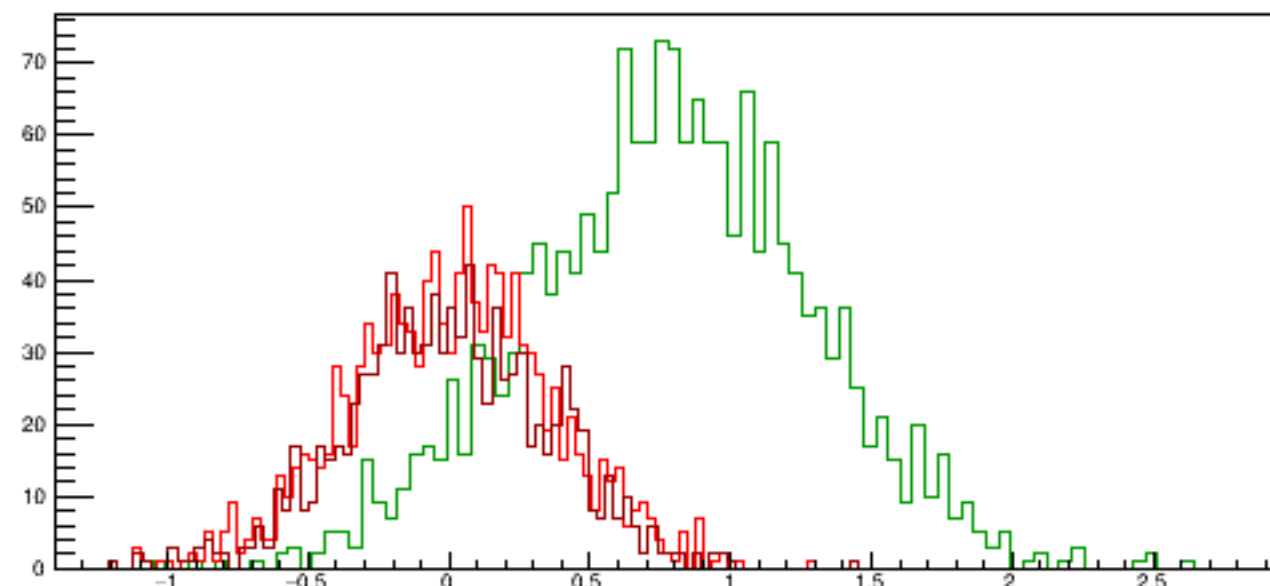
Std Dev: 0.5070 +/- 0.0084

Entries: 993

Mean: -0.0037 +/- 0.0113

Std Dev: 0.3559 +/- 0.0080

Run 5977 quartetwise, Diffs



## Cycle 22, Sums

Entries: 1238

Mean: 5.0200 +/- 0.0107

Std Dev: 0.3767 +/- 0.0076

Entries: 1811

Mean: 29.4528 +/- 0.0212

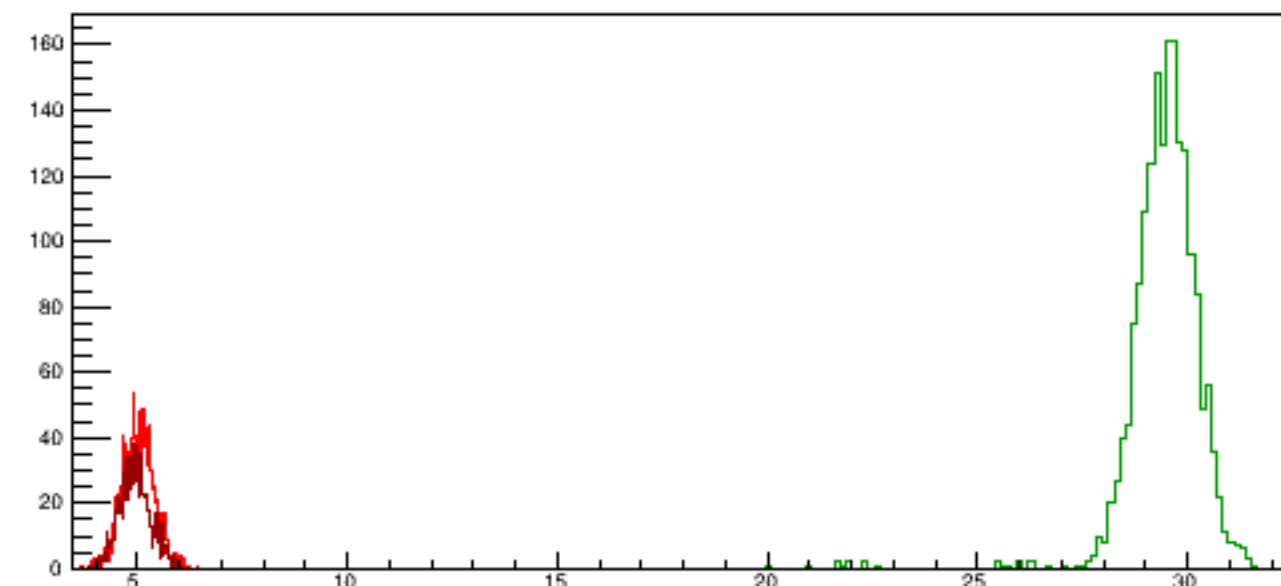
Std Dev: 0.9021 +/- 0.0150

Entries: 993

Mean: 4.9484 +/- 0.0119

Std Dev: 0.3749 +/- 0.0084

Run 5977 quartetwise, Sums



## Cycle 22, Asyms

Entries: 1238

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

Entries: 1811

Mean: 0.0320 +/- 0.0005

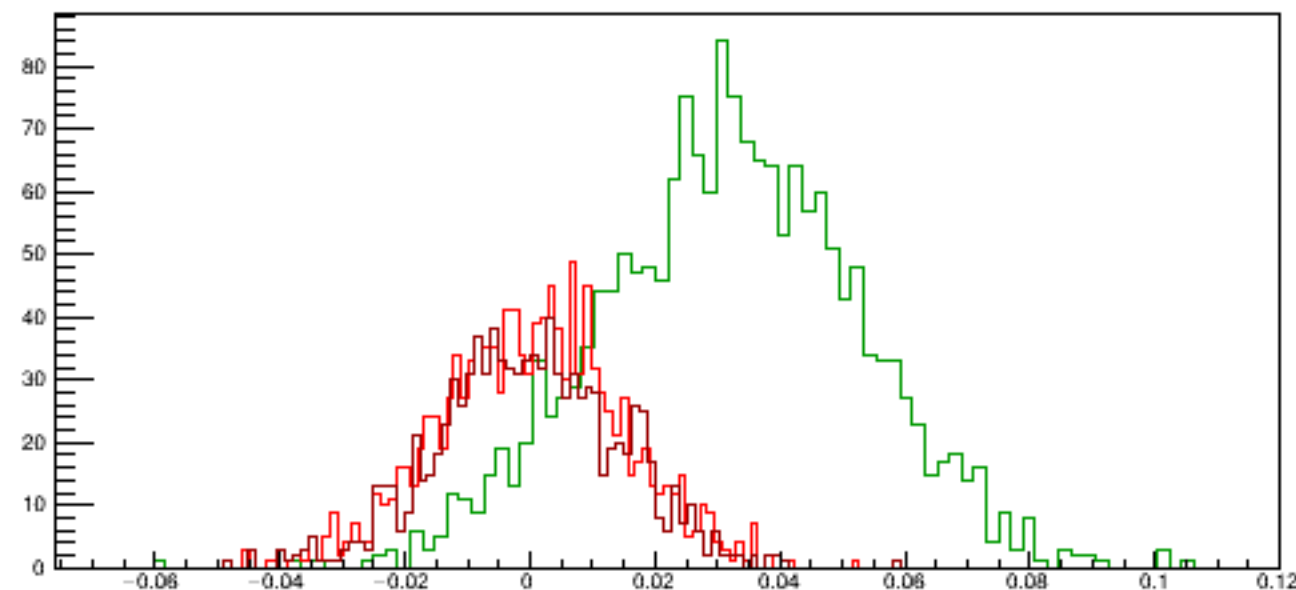
Std Dev: 0.0208 +/- 0.0003

Entries: 993

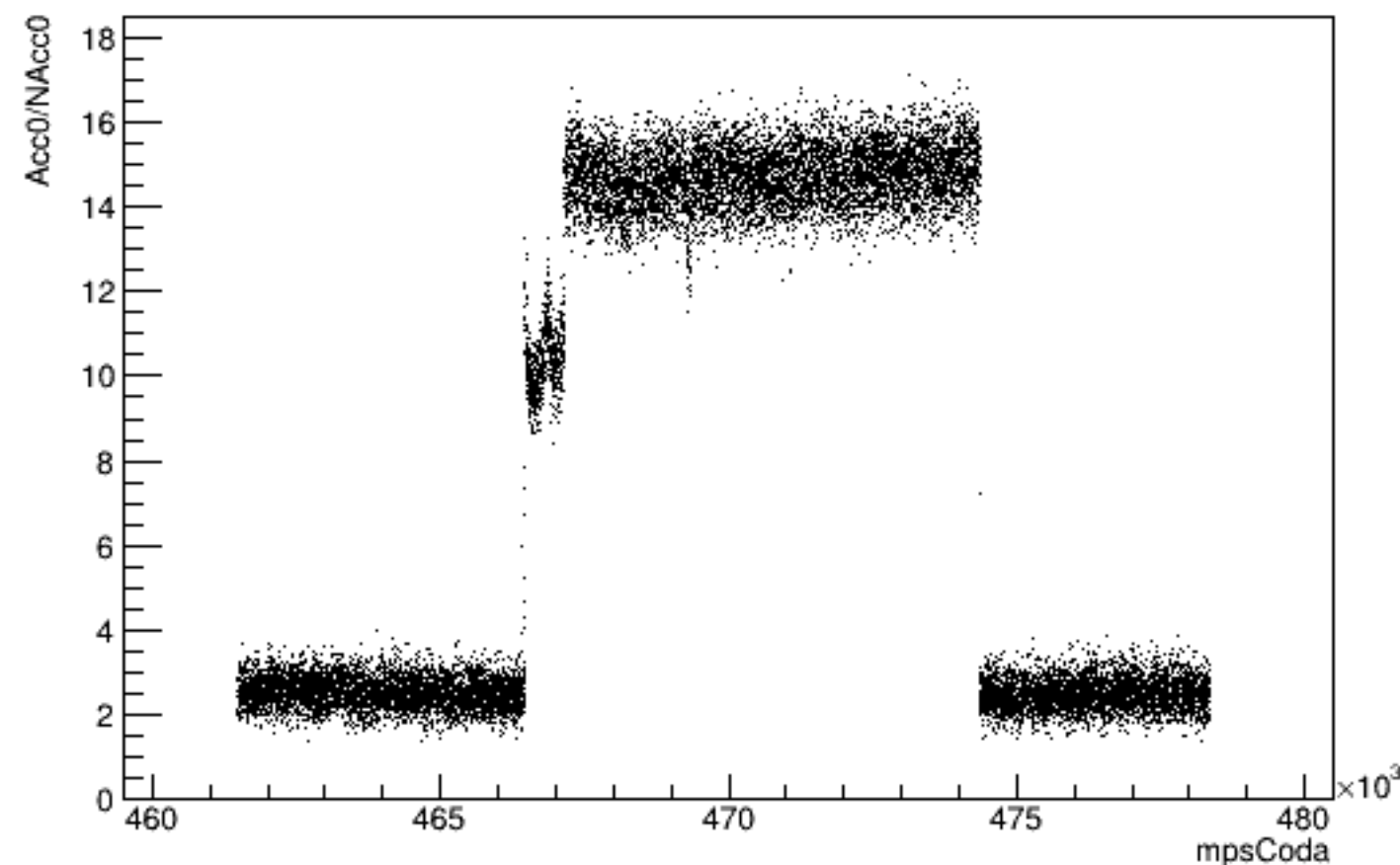
Mean: -0.0002 +/- 0.0005

Std Dev: 0.0145 +/- 0.0003

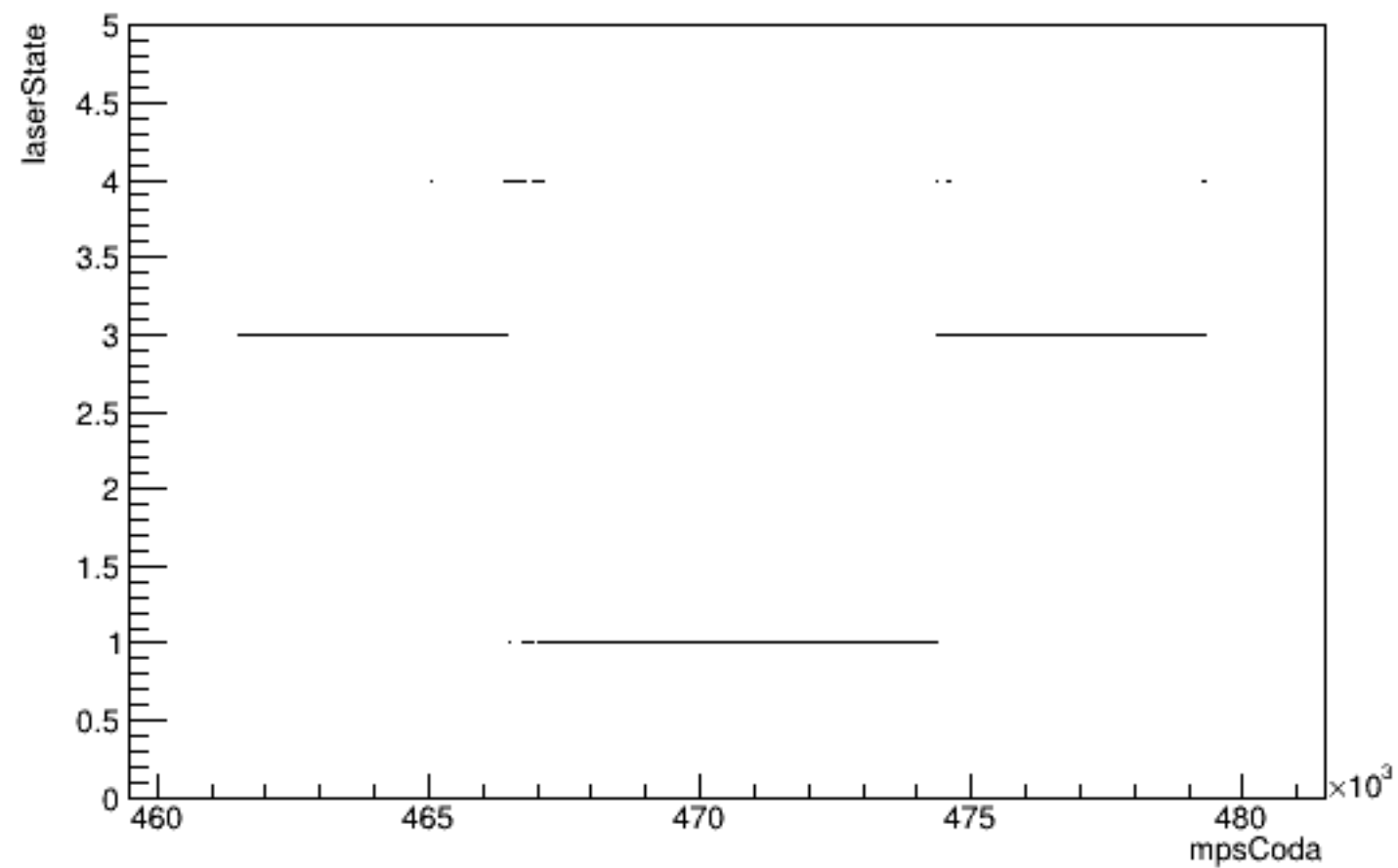
Run 5977 quartetwise, Asyms



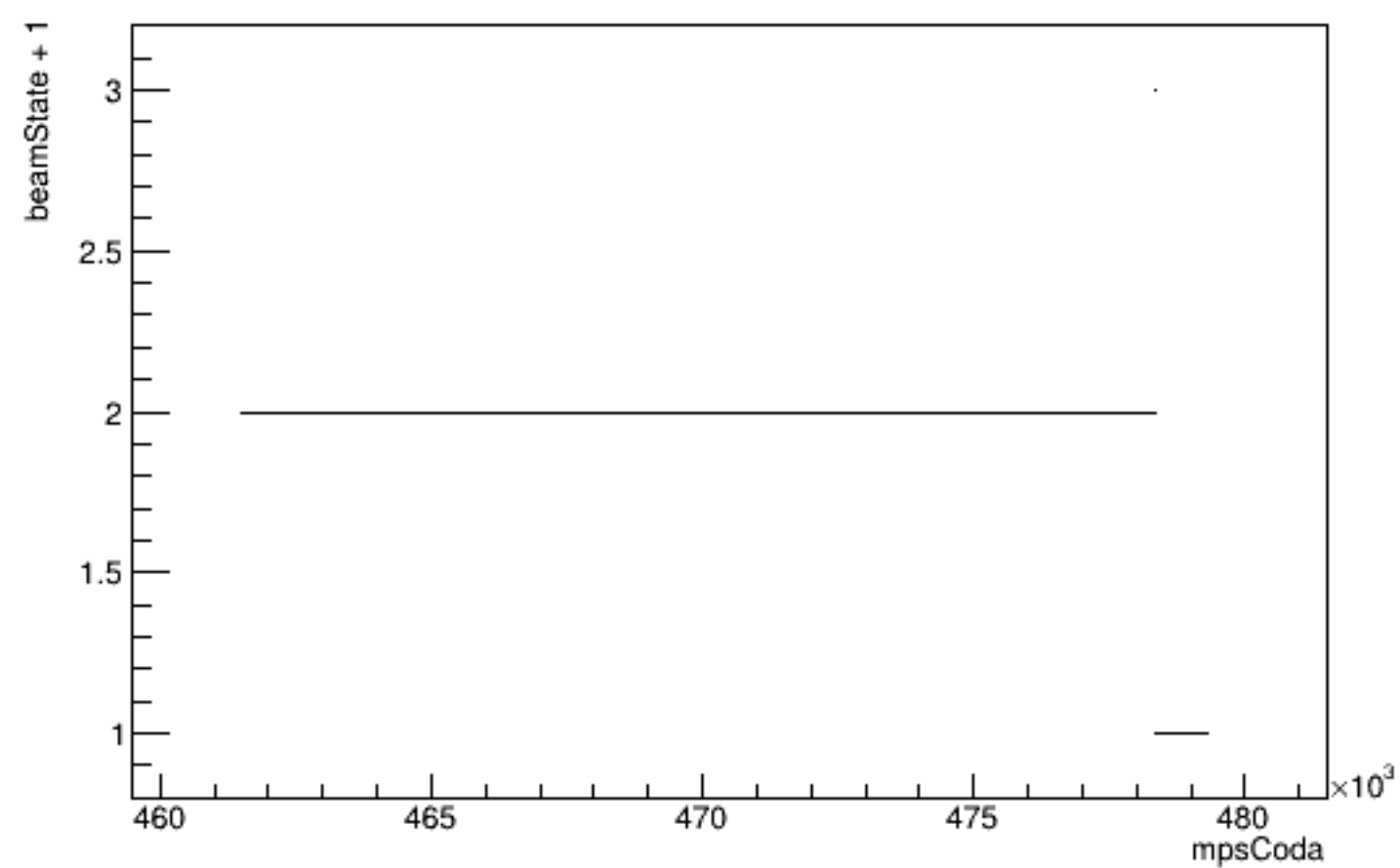
Acc0/NAcc0:mpsCoda (mpsCoda>=461487 && mpsCoda<=479314 && beamState==1)



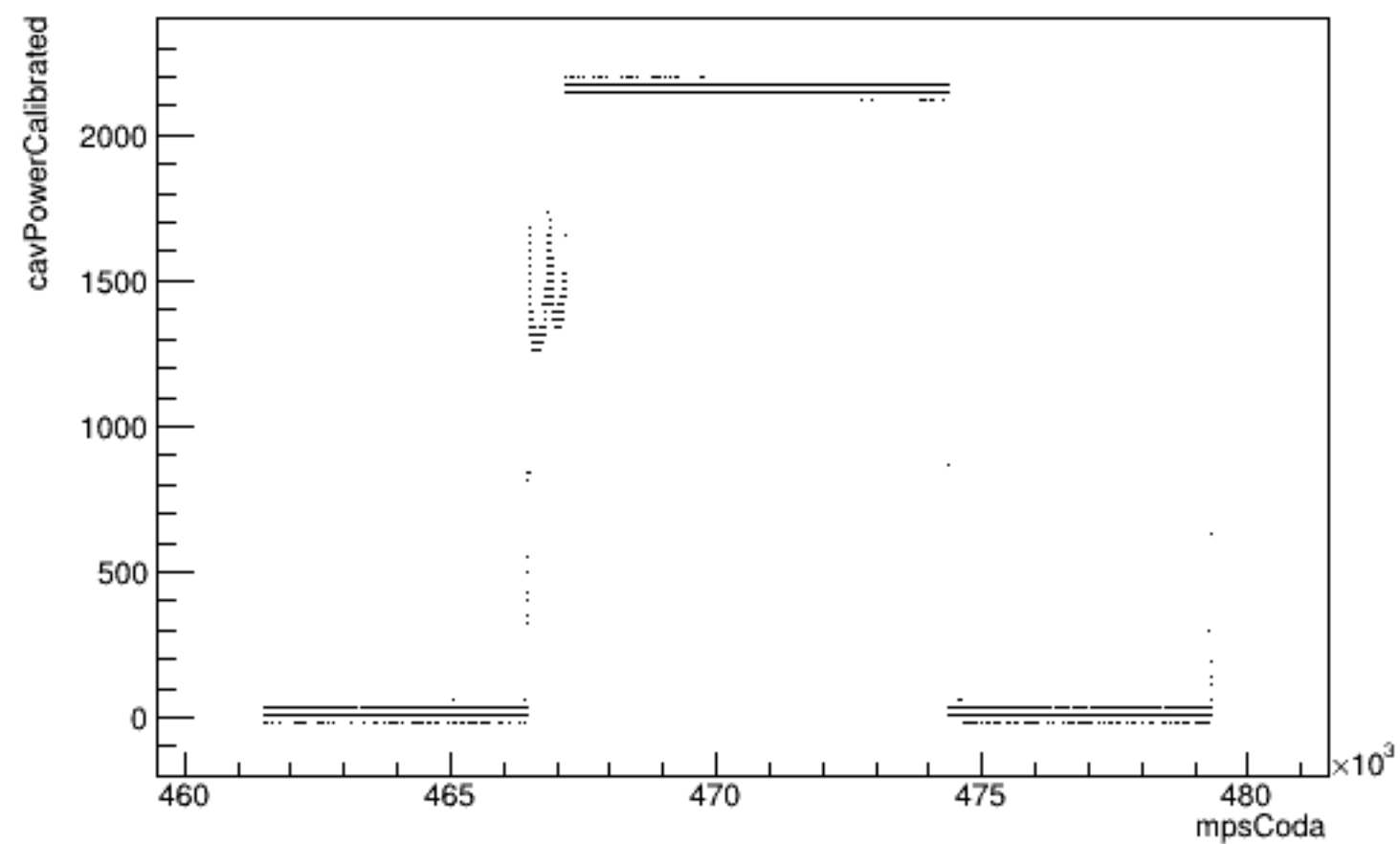
laserState:mpsCoda {mpsCoda&gt;=461487 &amp;&amp; mpsCoda&lt;=479314}



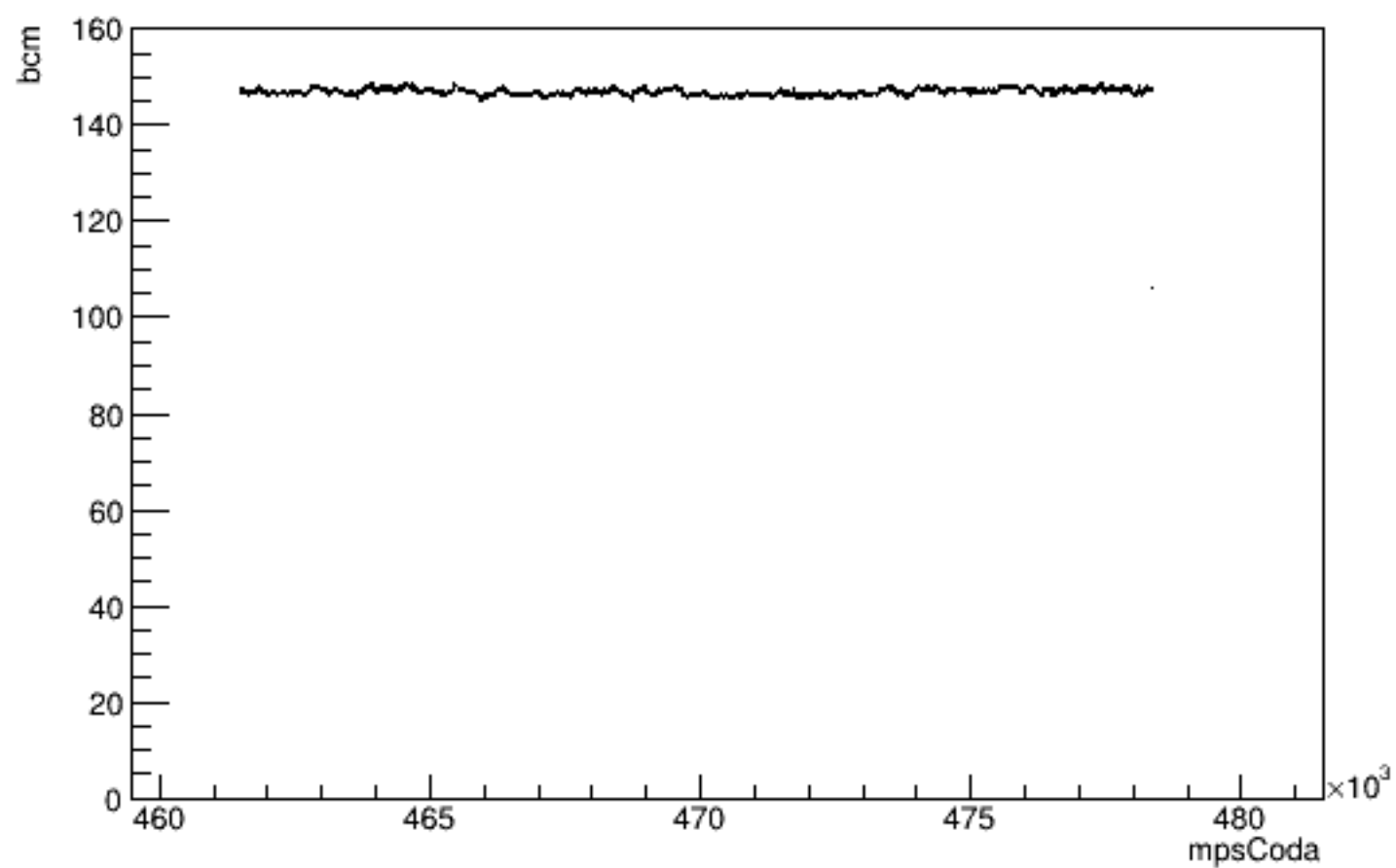
beamState + 1:mpsCoda {mpsCoda&gt;=461487 &amp;&amp; mpsCoda&lt;=479314}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=461487 &amp;&amp; mpsCoda&lt;=479314}



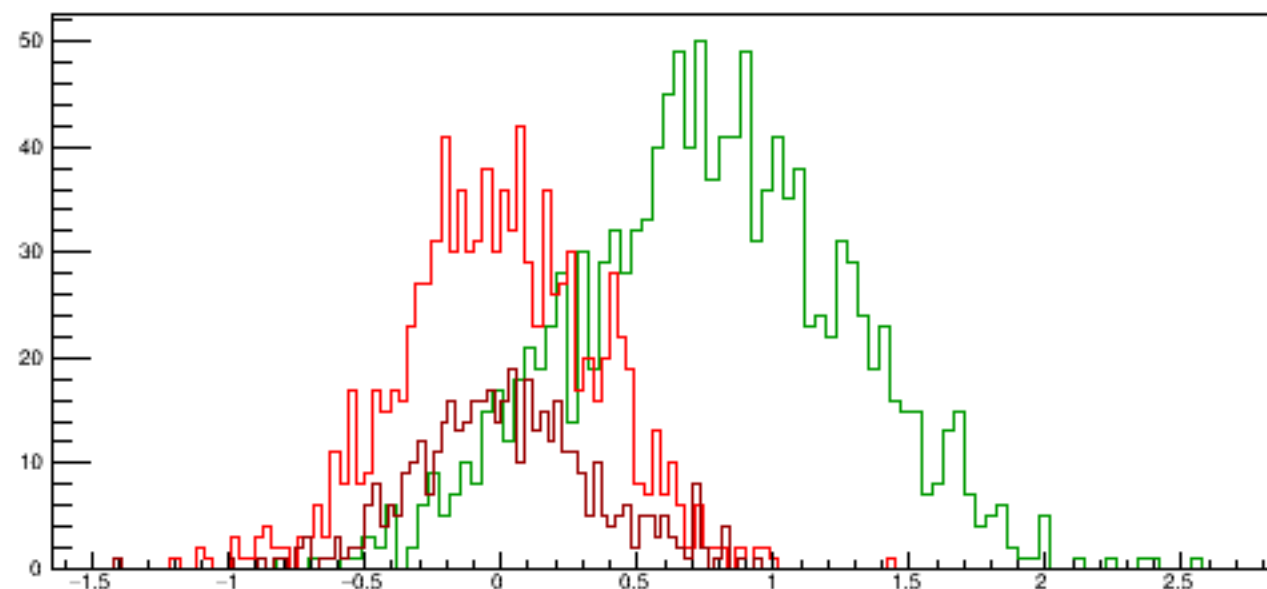
bcm:mpsCoda {mpsCoda&gt;=461487 &amp;&amp; mpsCoda&lt;=479314}



## Cycle 23, Diffs

| Entries: 993               | Entries: 1325              | Entries: 446               |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0037 +/- 0.0113   | Mean: 0.7677 +/- 0.0138    | Mean: 0.0206 +/- 0.0161    |
| Std Dev: 0.3559 +/- 0.0080 | Std Dev: 0.5026 +/- 0.0098 | Std Dev: 0.3391 +/- 0.0114 |

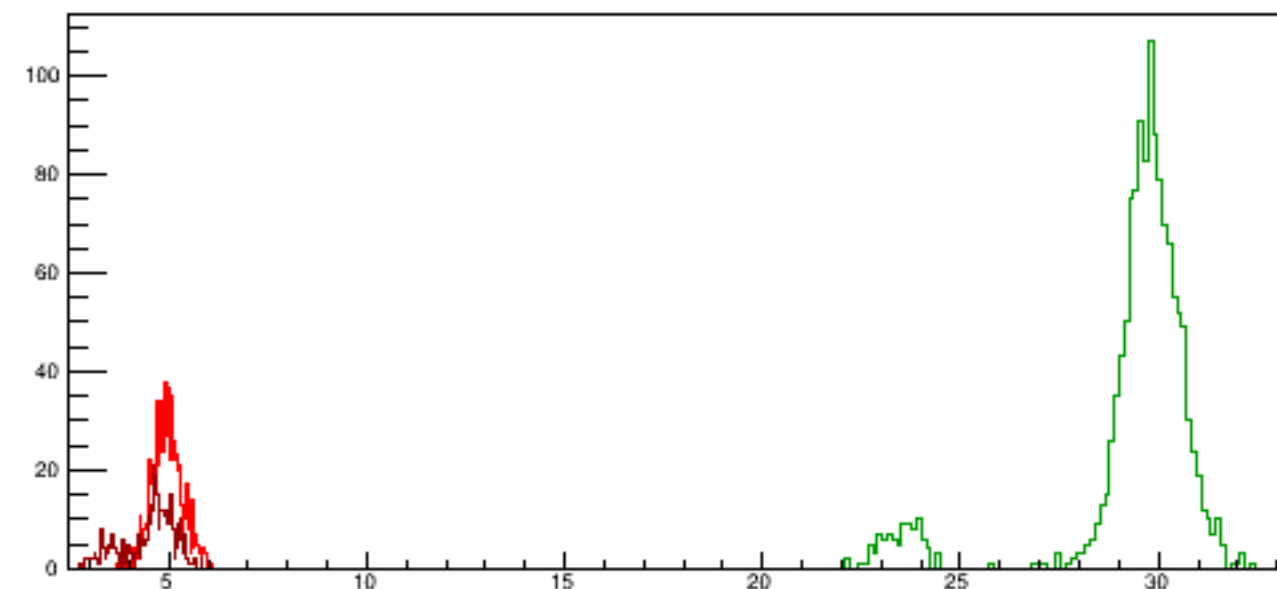
Run 5977 quartetwise, Diffs



## Cycle 23, Sums

| Entries: 993               | Entries: 1325              | Entries: 446               |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.9484 +/- 0.0119    | Mean: 29.4002 +/- 0.0484   | Mean: 4.5240 +/- 0.0307    |
| Std Dev: 0.3749 +/- 0.0084 | Std Dev: 1.7612 +/- 0.0342 | Std Dev: 0.6493 +/- 0.0217 |

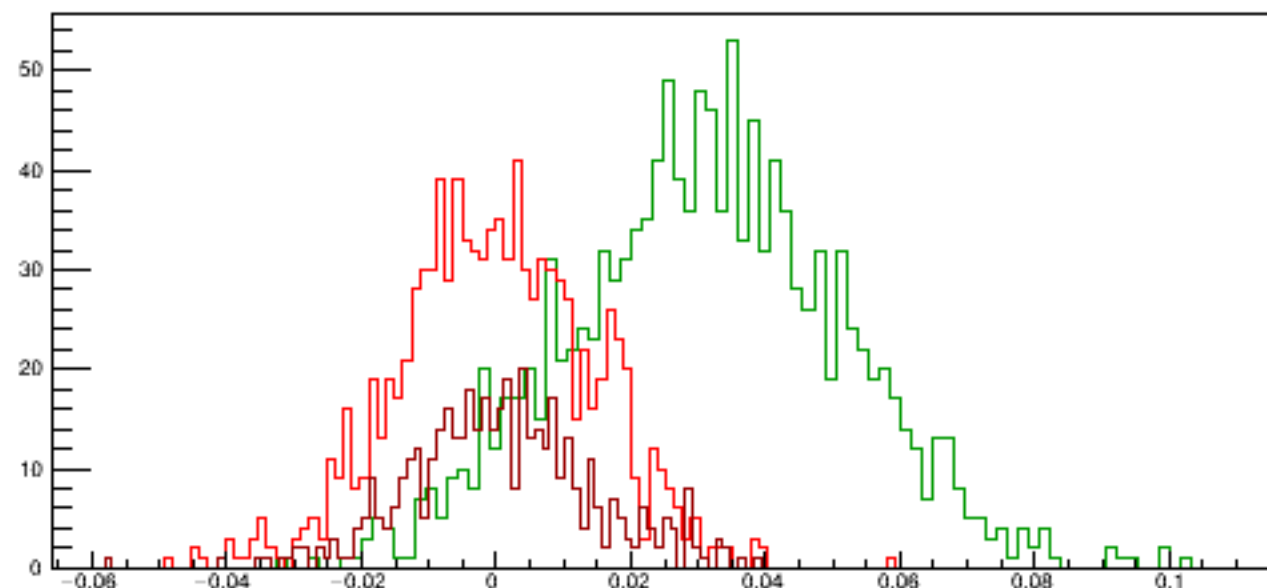
Run 5977 quartetwise, Sums



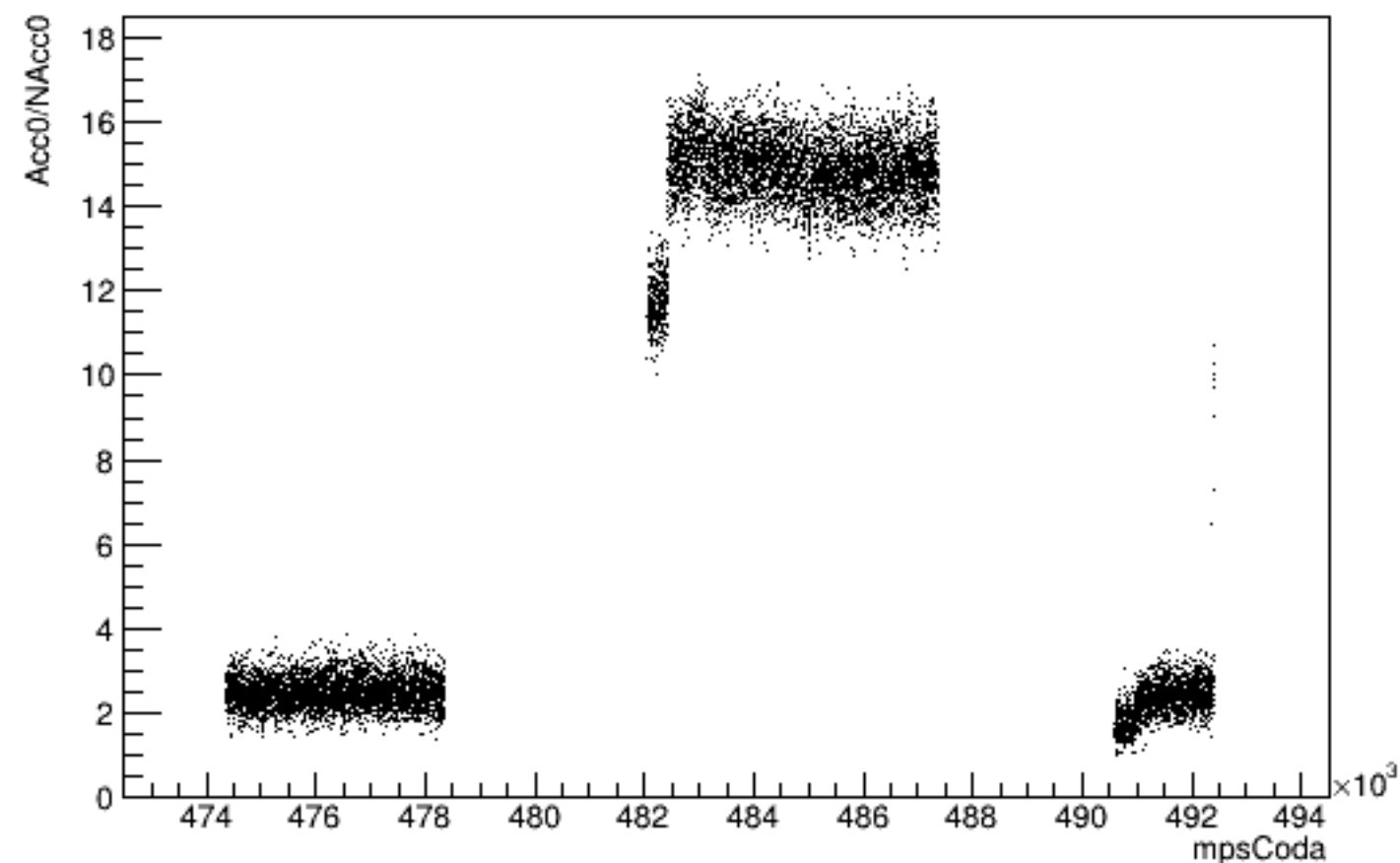
## Cycle 23, Asyms

| Entries: 993               | Entries: 1325              | Entries: 446               |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0001 +/- 0.0005   | Mean: 0.0311 +/- 0.0006    | Mean: 0.0008 +/- 0.0007    |
| Std Dev: 0.0144 +/- 0.0003 | Std Dev: 0.0205 +/- 0.0004 | Std Dev: 0.0137 +/- 0.0005 |

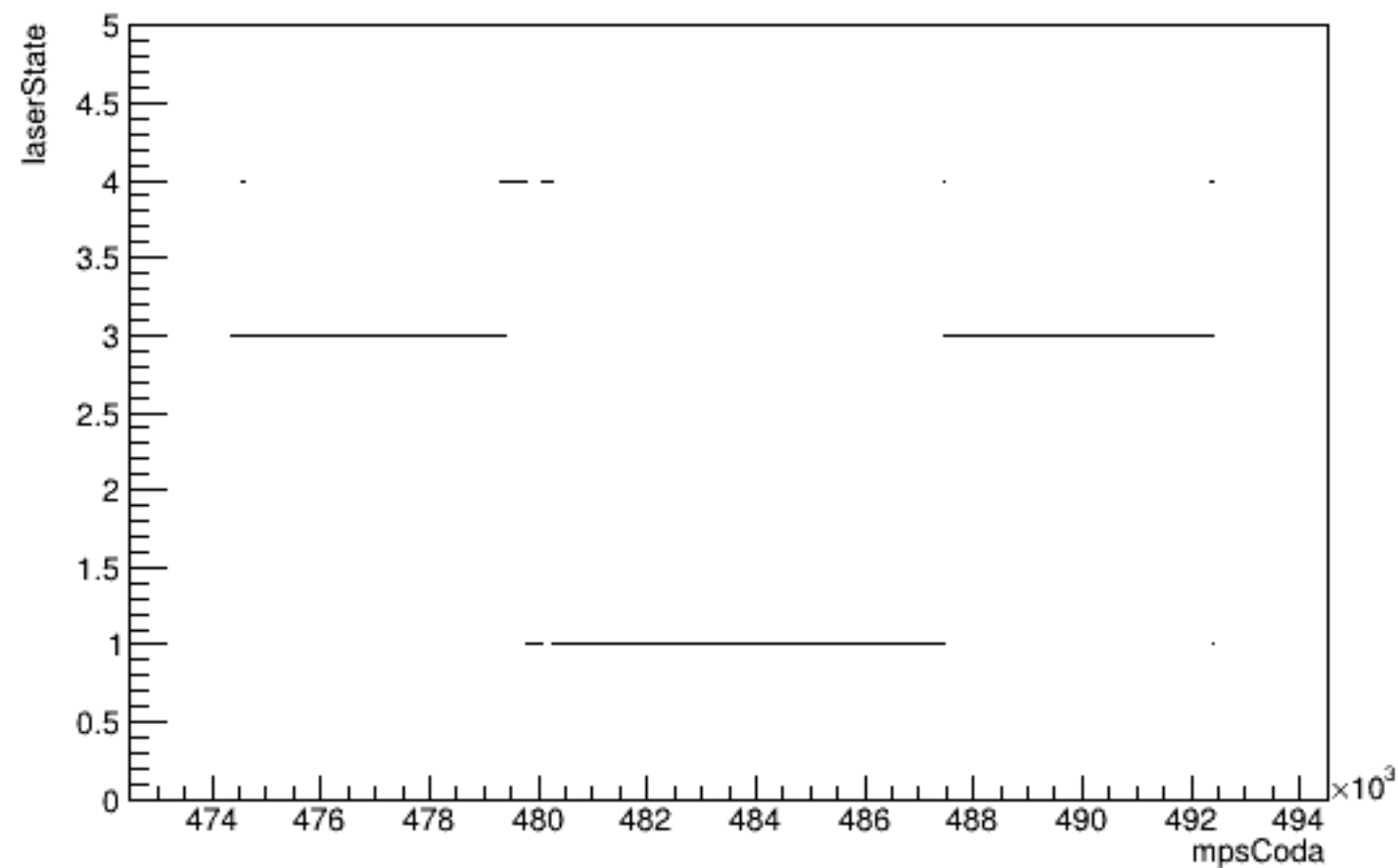
Run 5977 quartetwise, Asyms



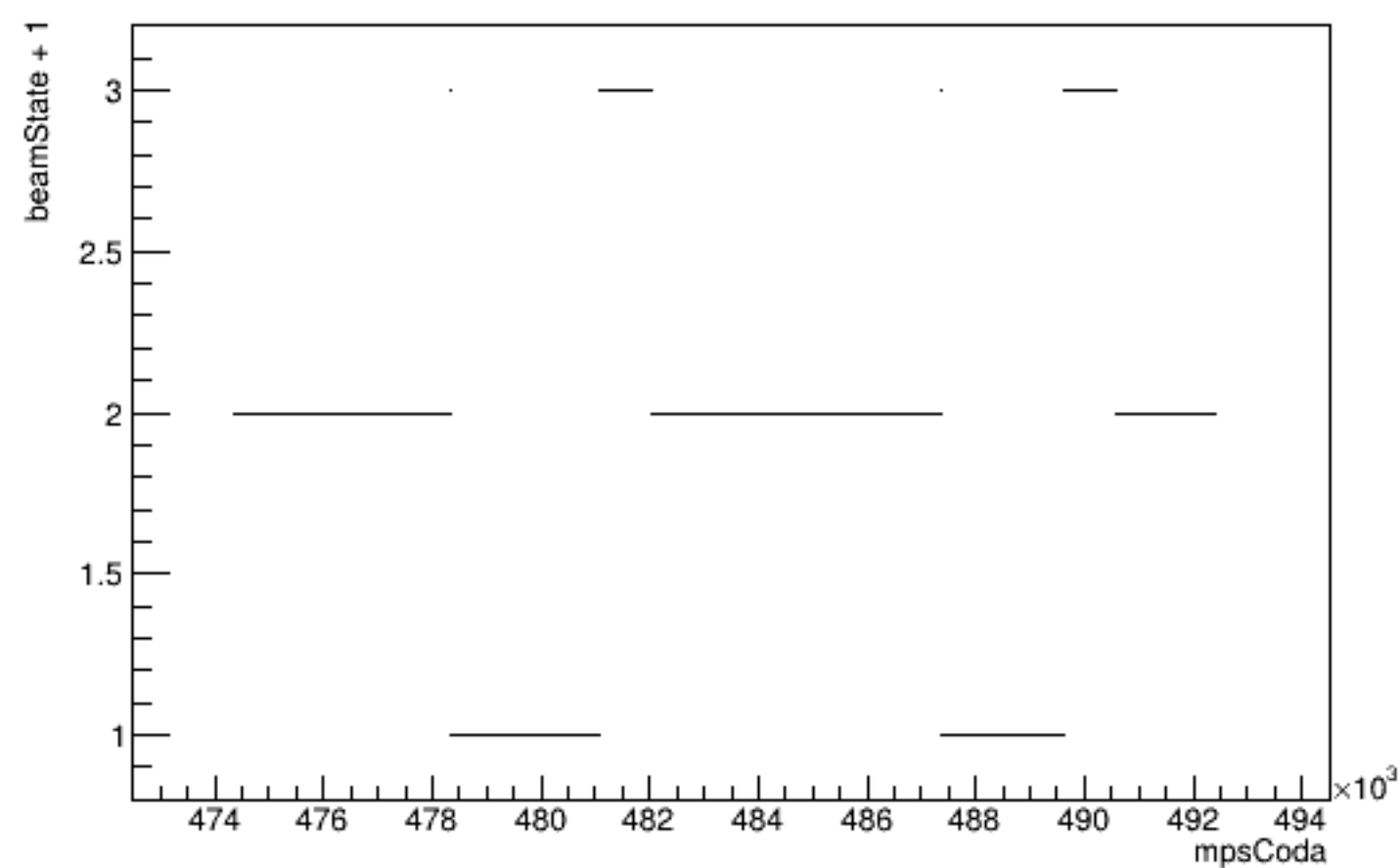
Acc0/NAcc0:mpsCoda (mpsCoda>=474359 && mpsCoda<=492402 && beamState==1)



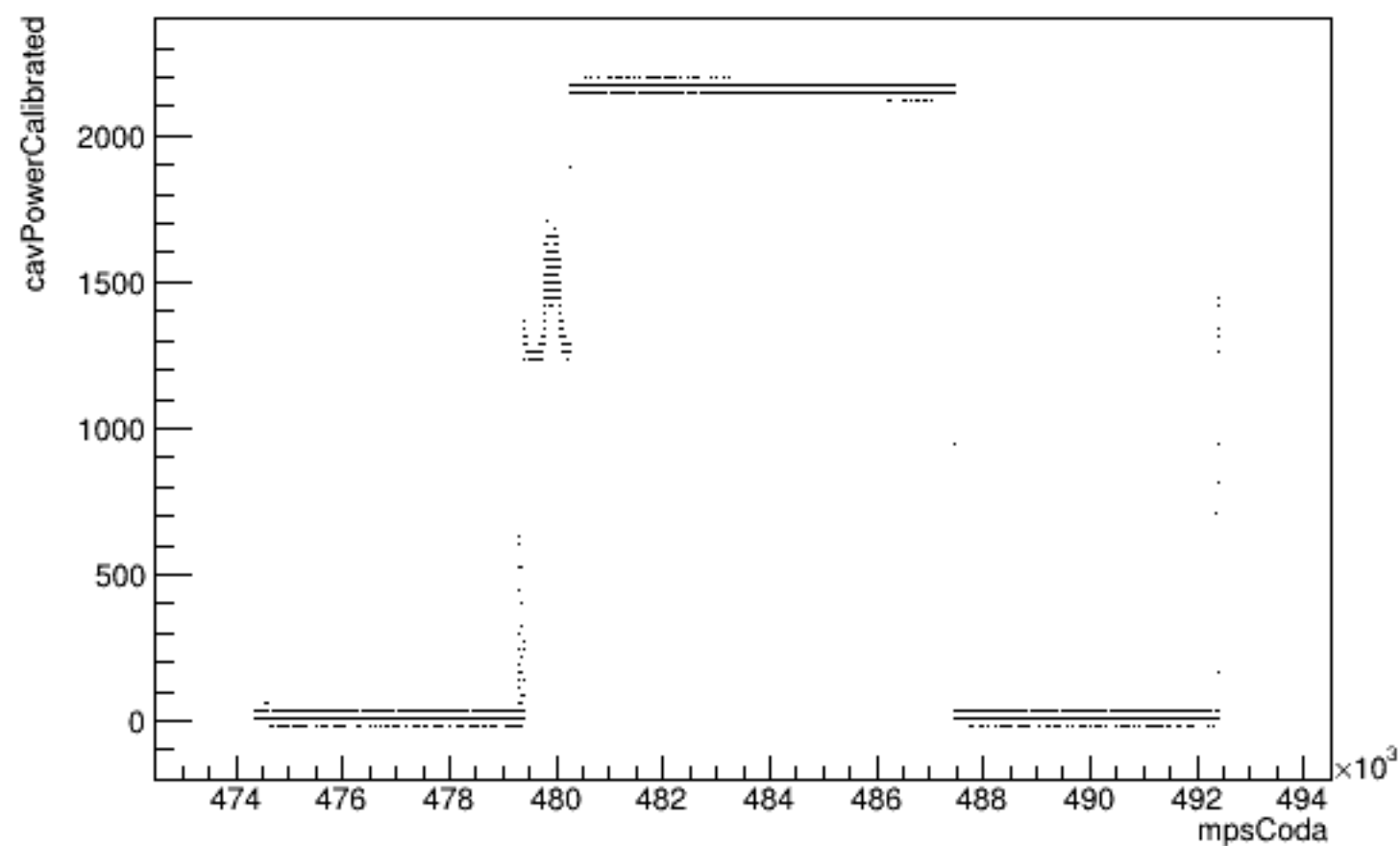
laserState:mpsCoda {mpsCoda&gt;=474359 &amp;&amp; mpsCoda&lt;=492402}



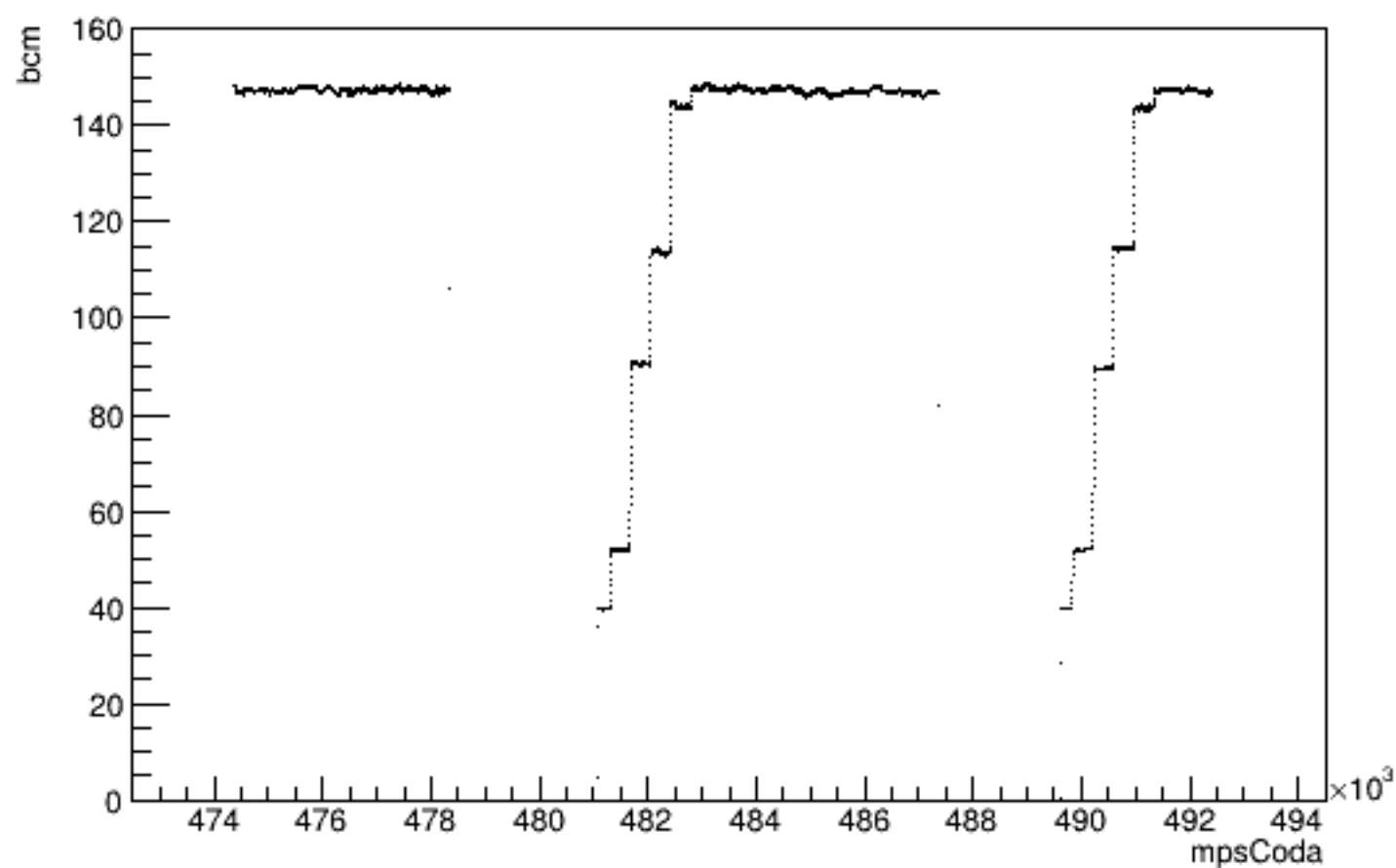
beamState + 1:mpsCoda {mpsCoda&gt;=474359 &amp;&amp; mpsCoda&lt;=492402}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=474359 &amp;&amp; mpsCoda&lt;=492402}



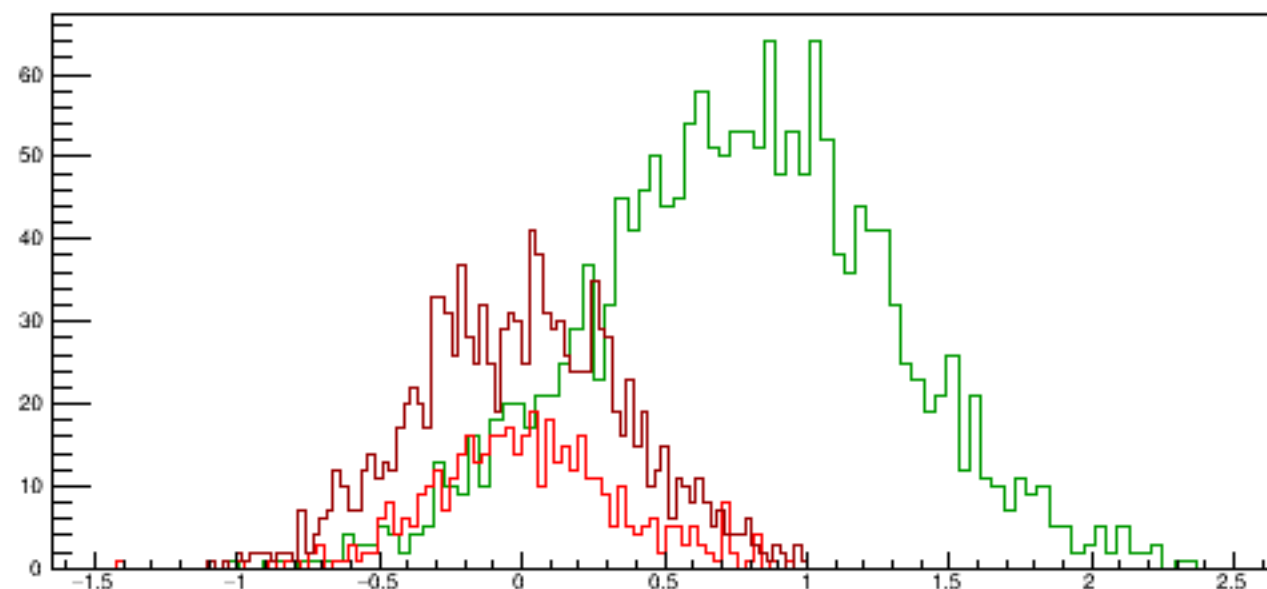
bcm:mpsCoda {mpsCoda&gt;=474359 &amp;&amp; mpsCoda&lt;=492402}



## Cycle 24, Diffs

| Entries: 446               | Entries: 1801              | Entries: 1228              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0206 +/- 0.0161    | Mean: 0.7637 +/- 0.0125    | Mean: -0.0066 +/- 0.0105   |
| Std Dev: 0.3391 +/- 0.0114 | Std Dev: 0.5301 +/- 0.0088 | Std Dev: 0.3680 +/- 0.0074 |

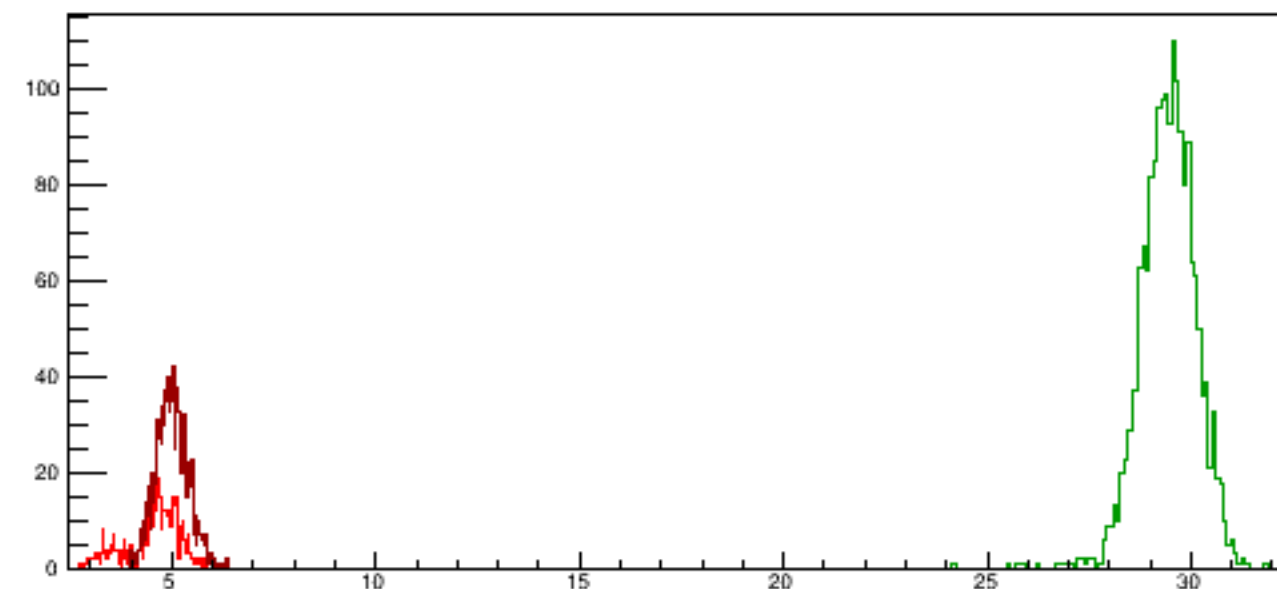
Run 5977 quartetwise, Diffs



## Cycle 24, Sums

| Entries: 446               | Entries: 1801              | Entries: 1228              |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.5240 +/- 0.0307    | Mean: 29.4492 +/- 0.0163   | Mean: 4.9948 +/- 0.0112    |
| Std Dev: 0.6493 +/- 0.0217 | Std Dev: 0.6918 +/- 0.0115 | Std Dev: 0.3934 +/- 0.0079 |

Run 5977 quartetwise, Sums

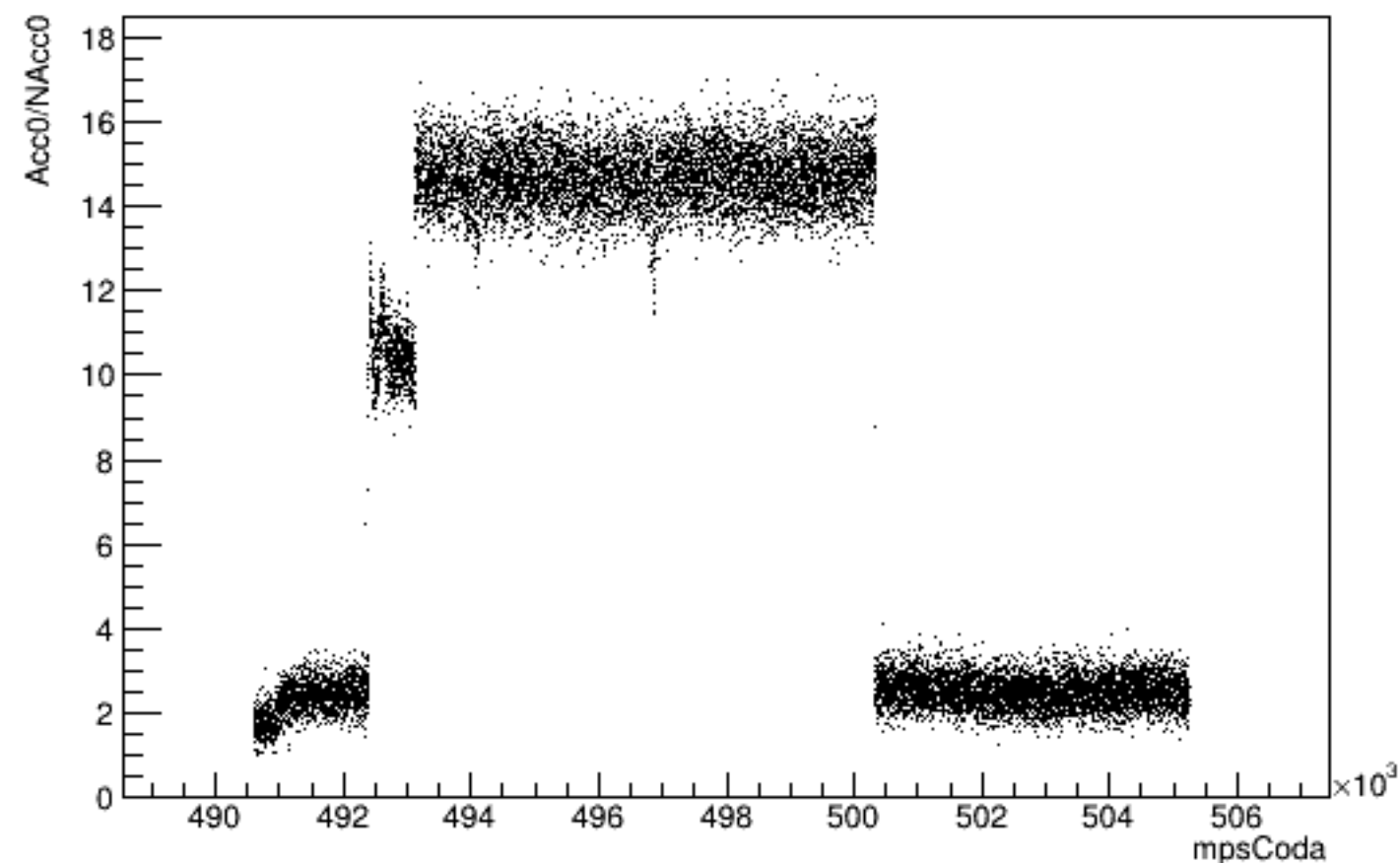
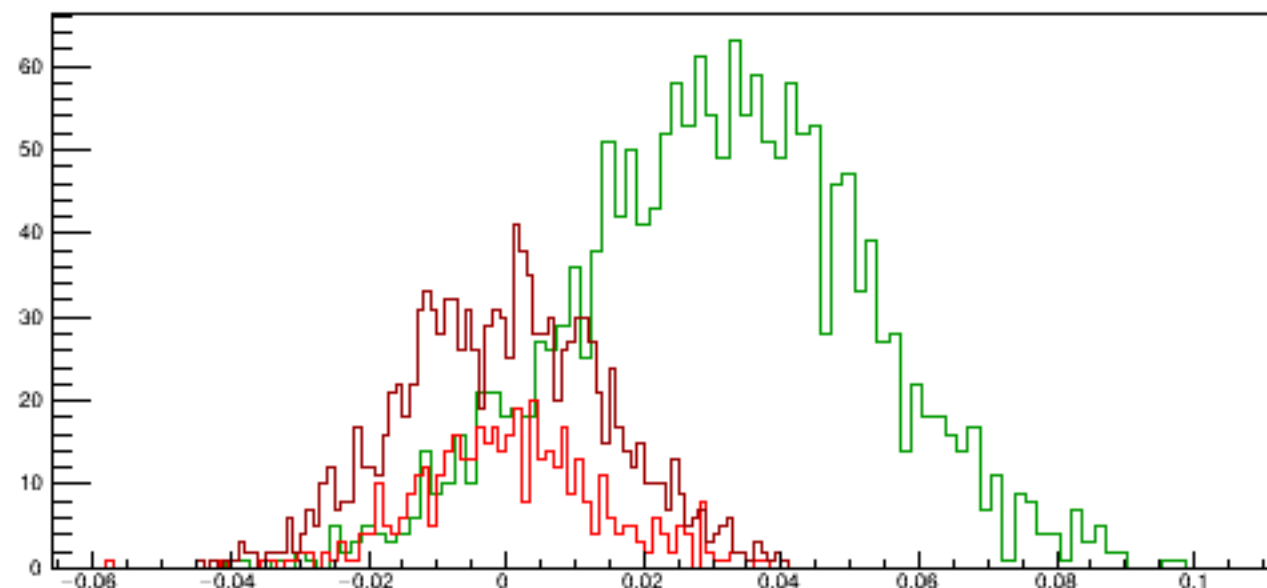


Acc0/NAcc0:mpsCoda (mpsCoda>=487467 && mpsCoda<=505246 && beamState==1)

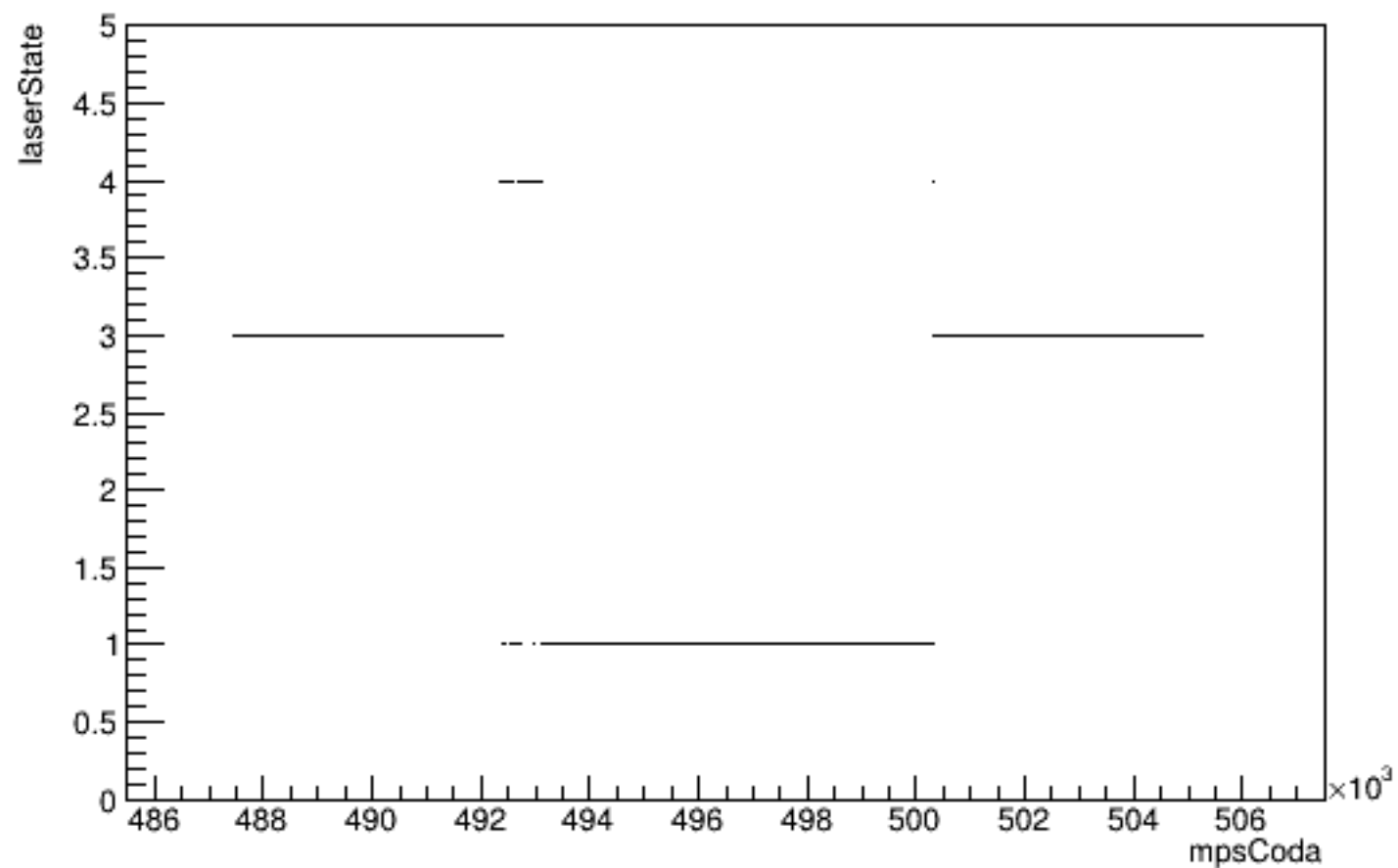
## Cycle 24, Asyms

| Entries: 446               | Entries: 1801              | Entries: 1228              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0008 +/- 0.0007    | Mean: 0.0309 +/- 0.0005    | Mean: -0.0003 +/- 0.0004   |
| Std Dev: 0.0137 +/- 0.0005 | Std Dev: 0.0215 +/- 0.0004 | Std Dev: 0.0149 +/- 0.0003 |

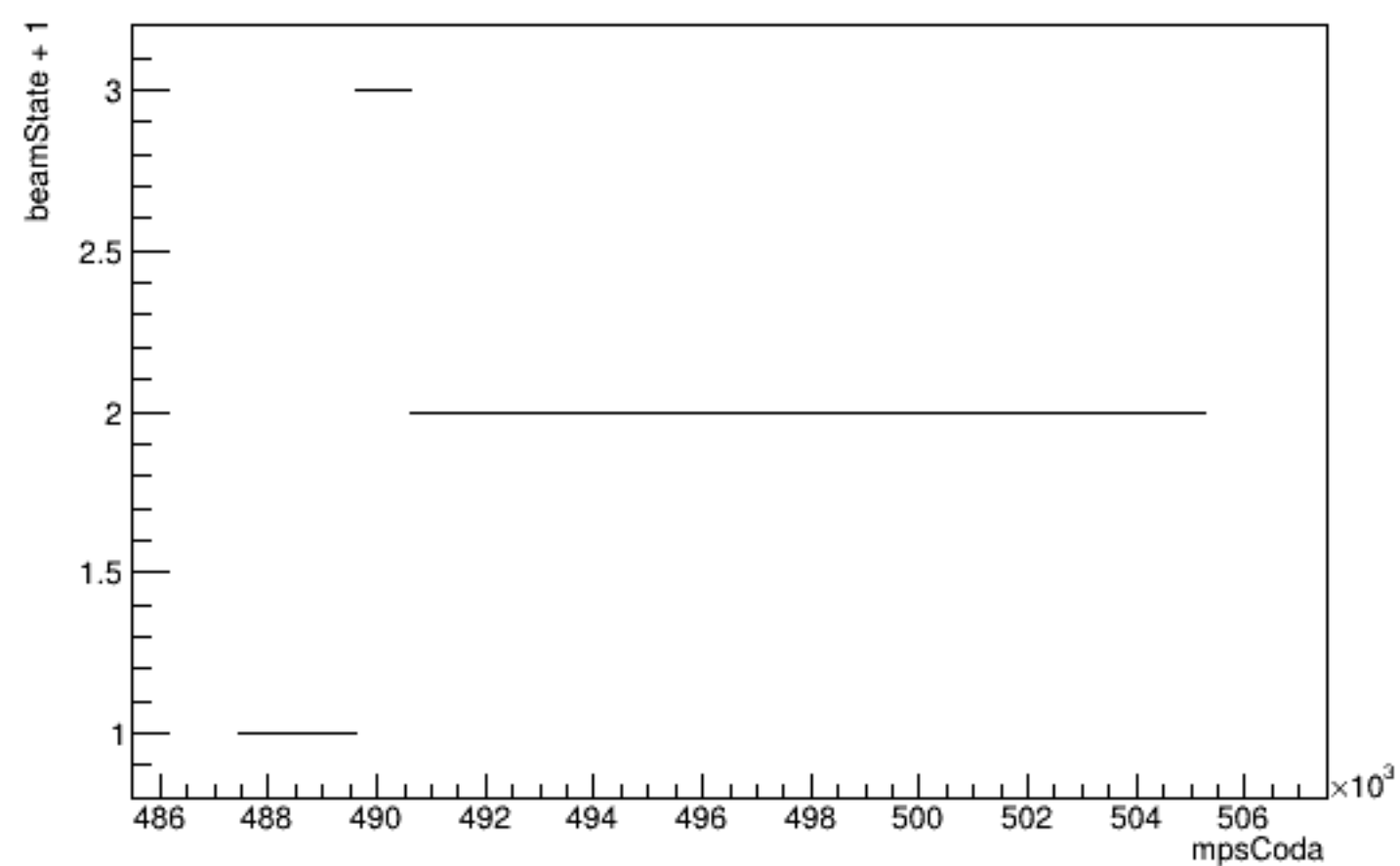
Run 5977 quartetwise, Asyms



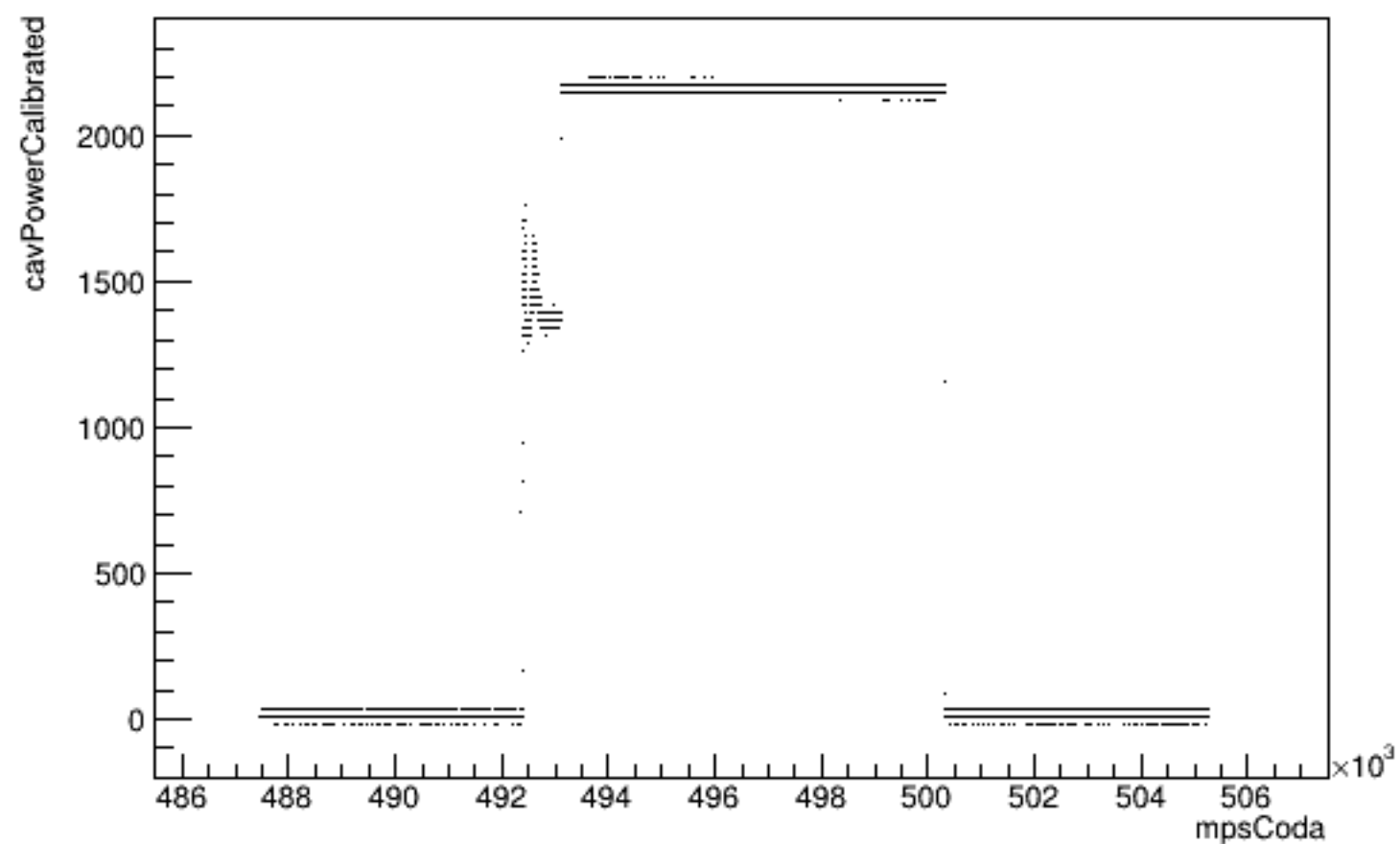
laserState:mpsCoda {mpsCoda&gt;=487467 &amp;&amp; mpsCoda&lt;=505246}



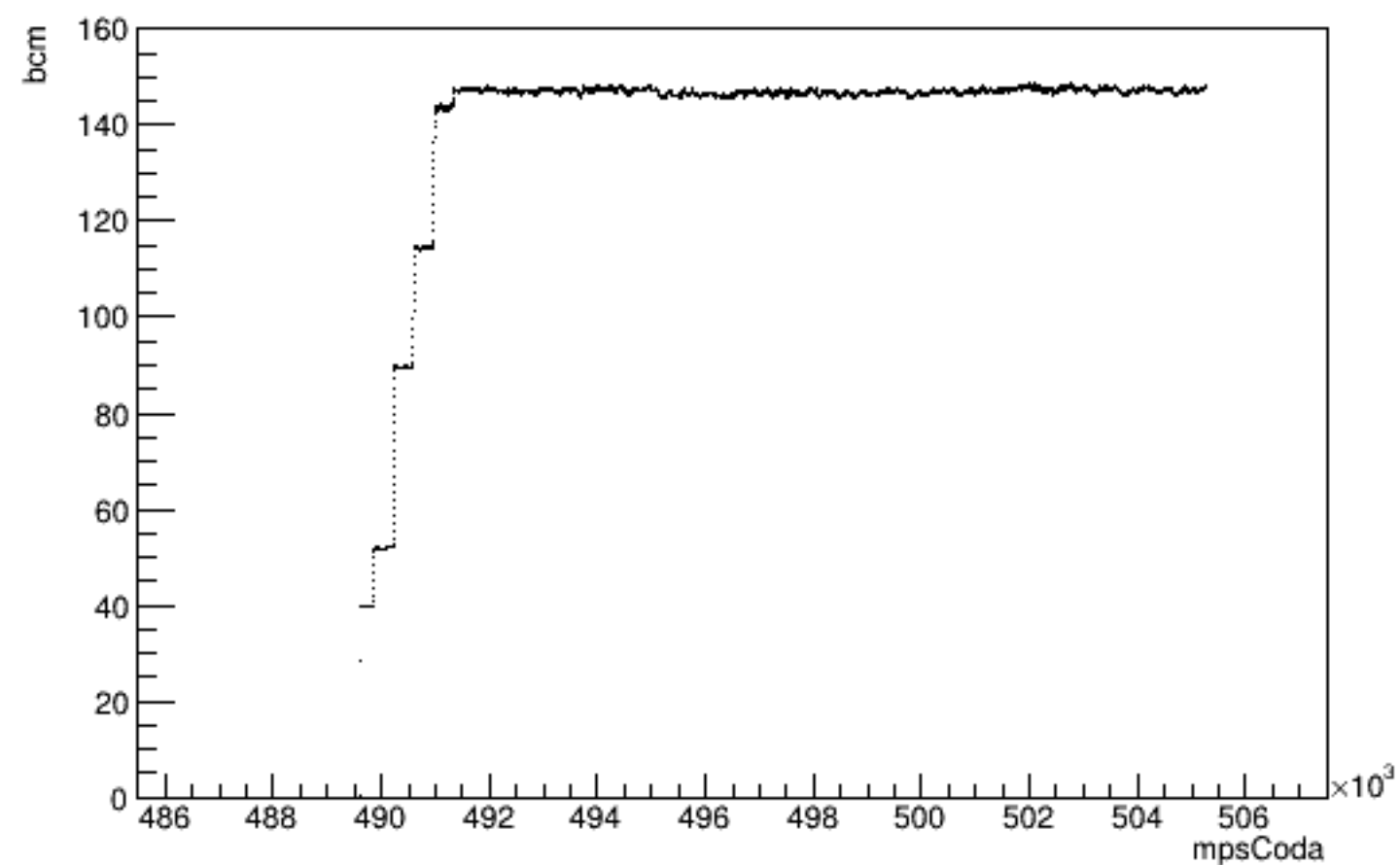
beamState + 1:mpsCoda {mpsCoda&gt;=487467 &amp;&amp; mpsCoda&lt;=505246}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=487467 &amp;&amp; mpsCoda&lt;=505246}



bcm:mpsCoda {mpsCoda&gt;=487467 &amp;&amp; mpsCoda&lt;=505246}



## Cycle 25, Diffs

Entries: 1228

Mean: -0.0066 +/- 0.0105

Std Dev: 0.3680 +/- 0.0074

Entries: 1801

Mean: 0.7817 +/- 0.0121

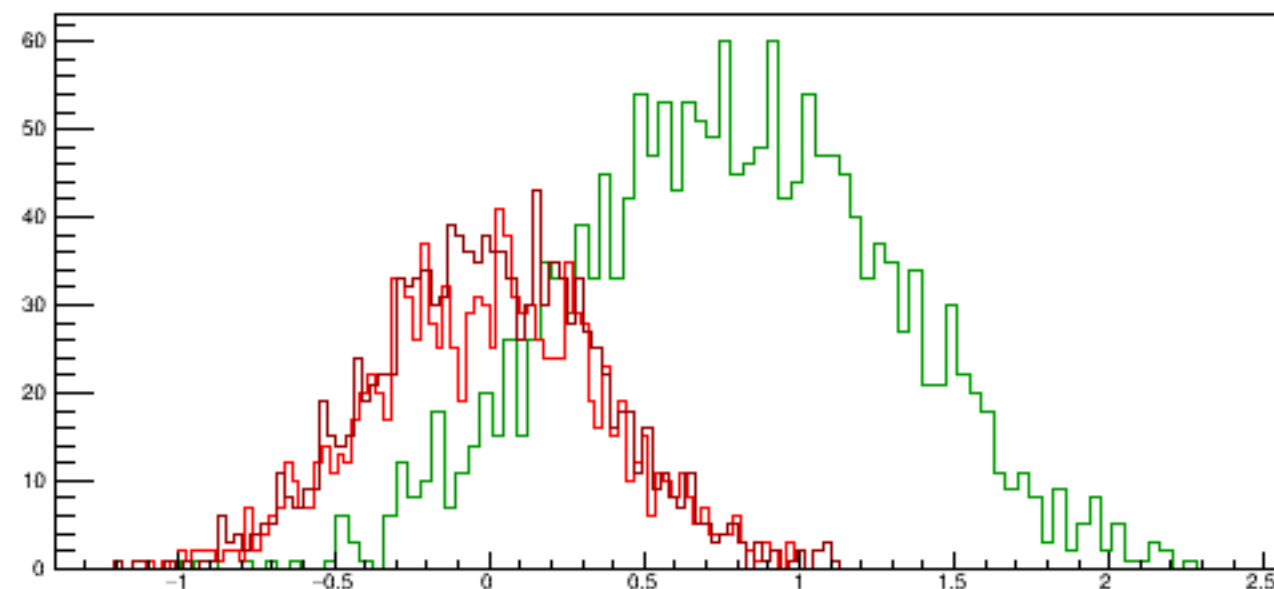
Std Dev: 0.5131 +/- 0.0085

Entries: 1232

Mean: -0.0047 +/- 0.0104

Std Dev: 0.3652 +/- 0.0074

Run 5977 quartetwise, Diffs



## Cycle 25, Sums

Entries: 1228

Mean: 4.9948 +/- 0.0112

Std Dev: 0.3934 +/- 0.0079

Entries: 1801

Mean: 29.5685 +/- 0.0179

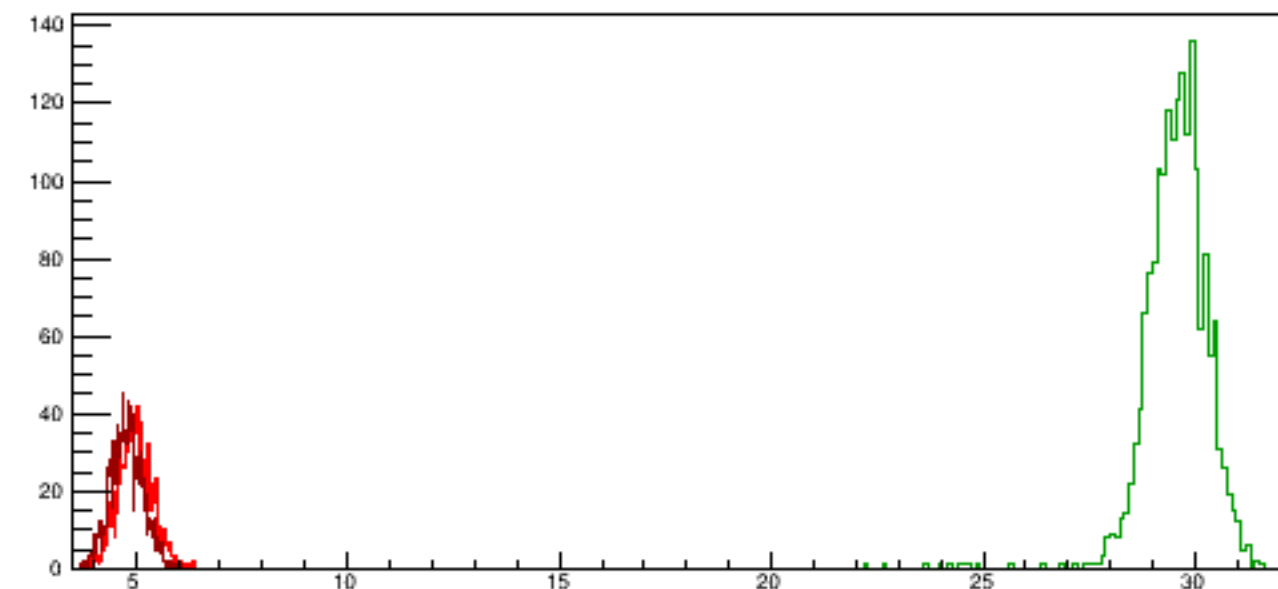
Std Dev: 0.7616 +/- 0.0127

Entries: 1232

Mean: 4.7991 +/- 0.0109

Std Dev: 0.3817 +/- 0.0077

Run 5977 quartetwise, Sums



## Cycle 25, Asyms

Entries: 1228

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0149 +/- 0.0003

Entries: 1801

Mean: 0.0317 +/- 0.0005

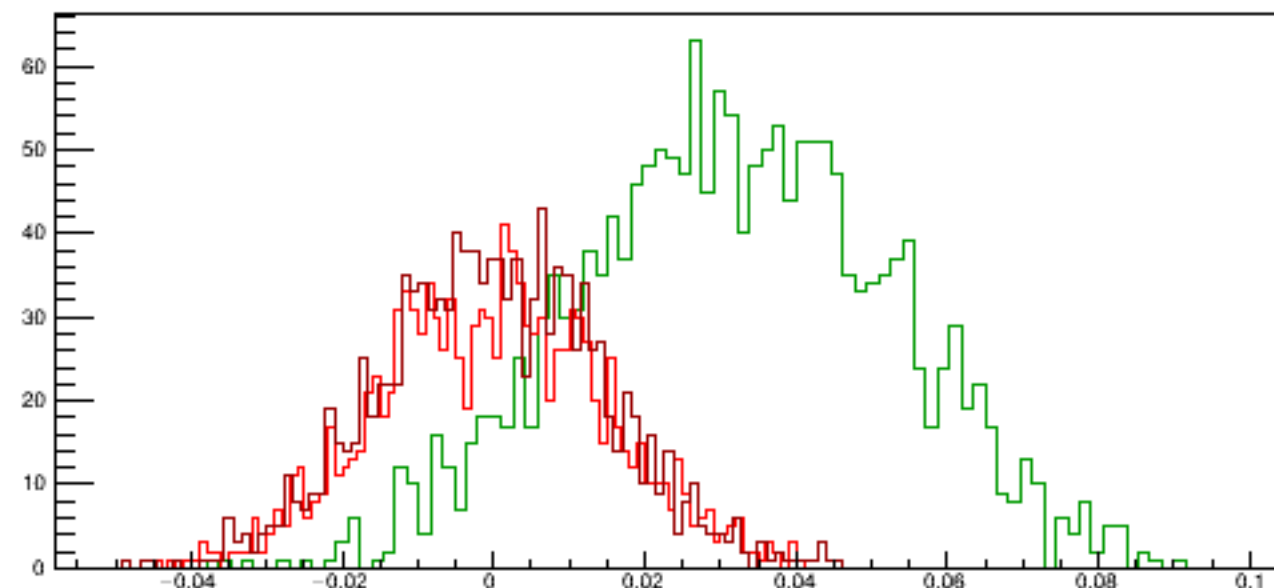
Std Dev: 0.0208 +/- 0.0003

Entries: 1232

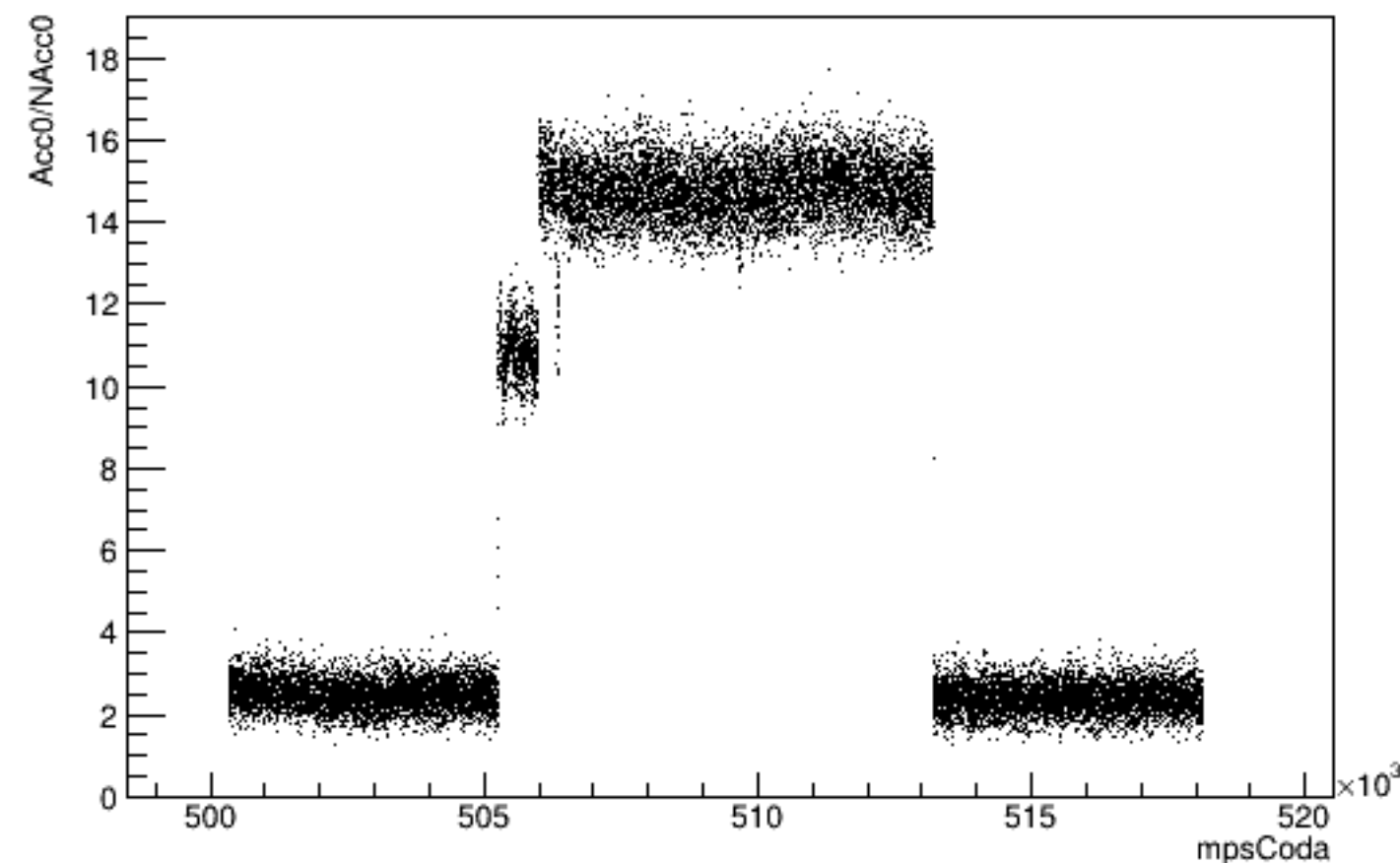
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0148 +/- 0.0003

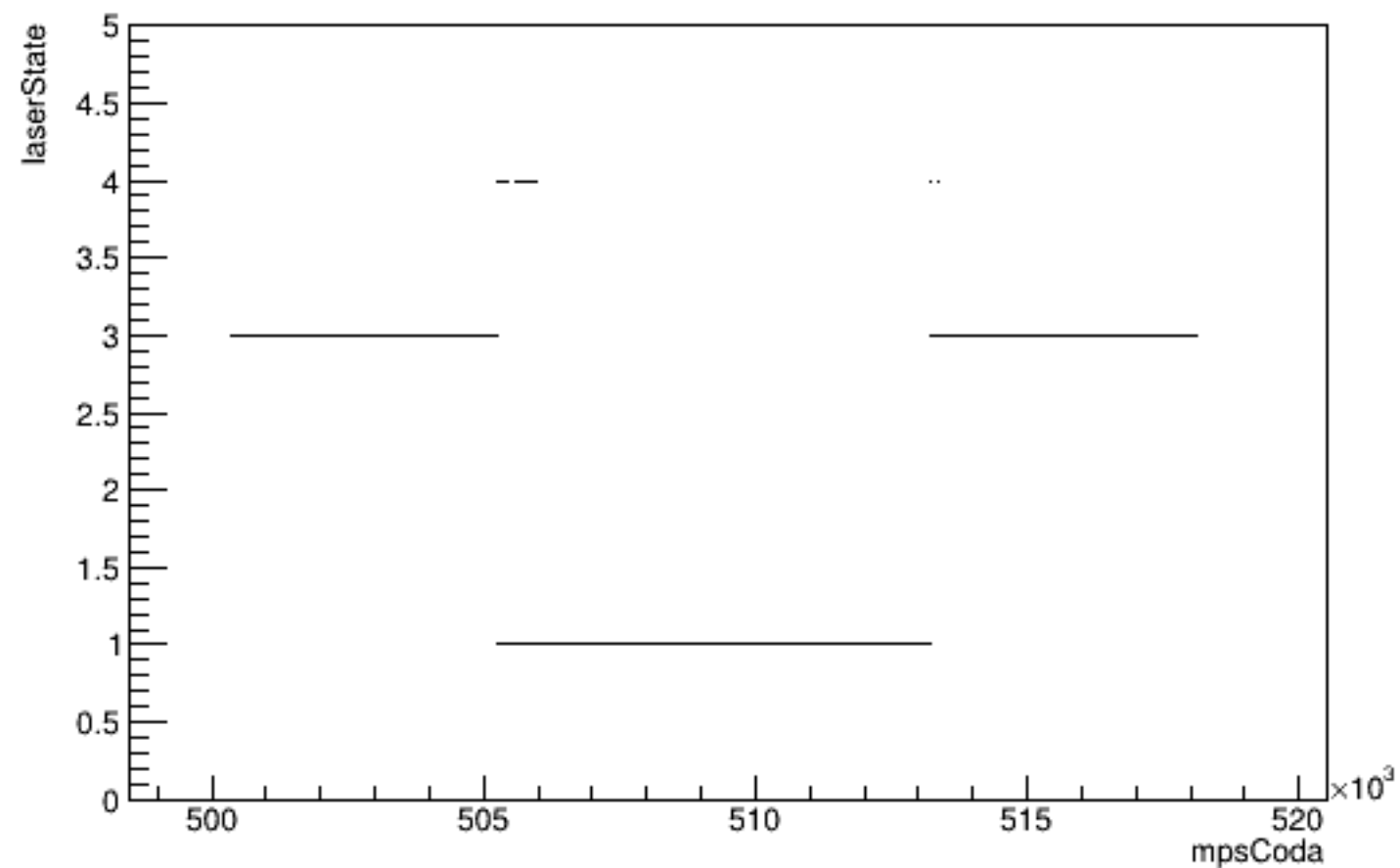
Run 5977 quartetwise, Asyms



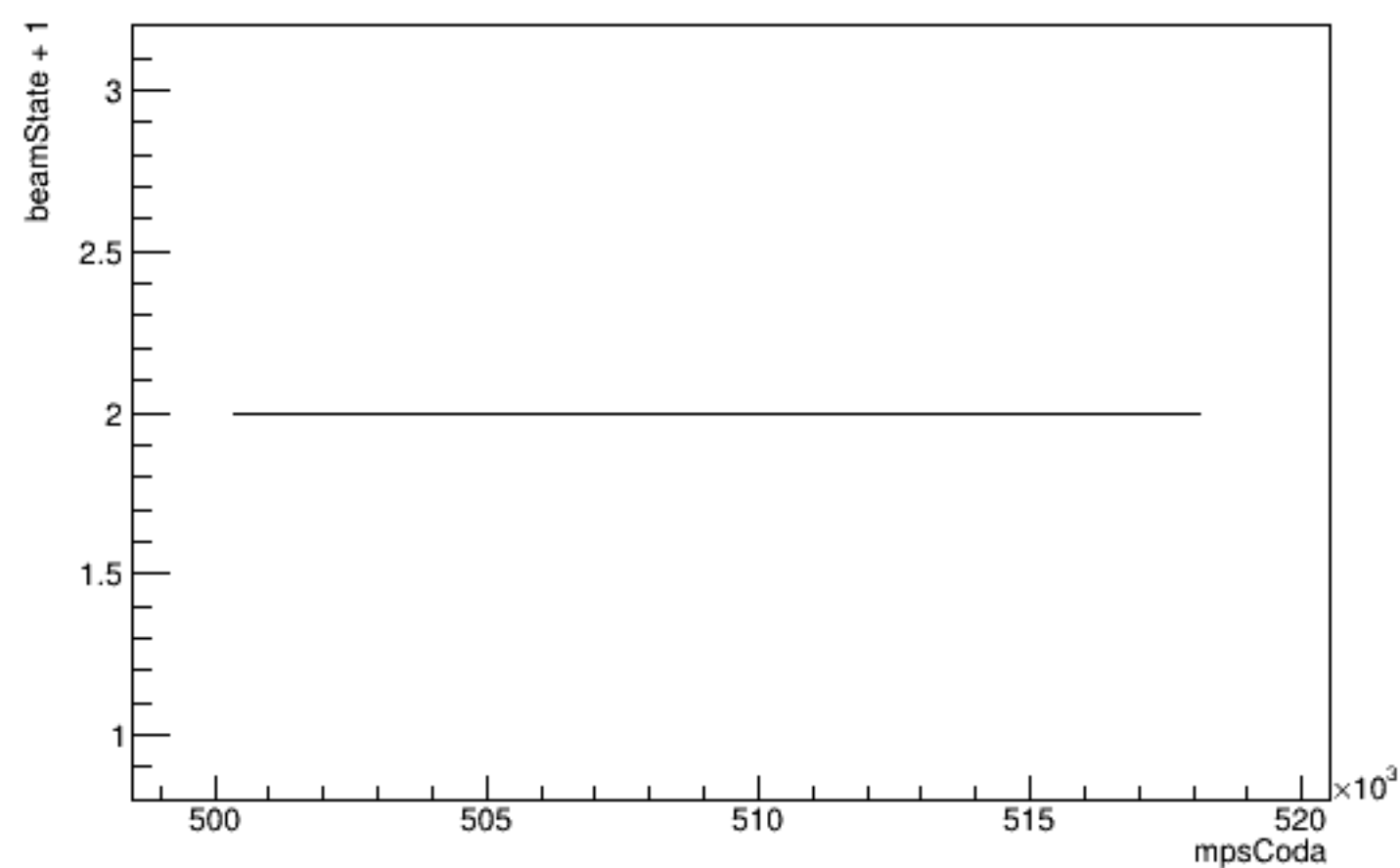
Acc0/NAcc0:mpsCoda (mpsCoda>=500335 && mpsCoda<=518134 && beamState==1)



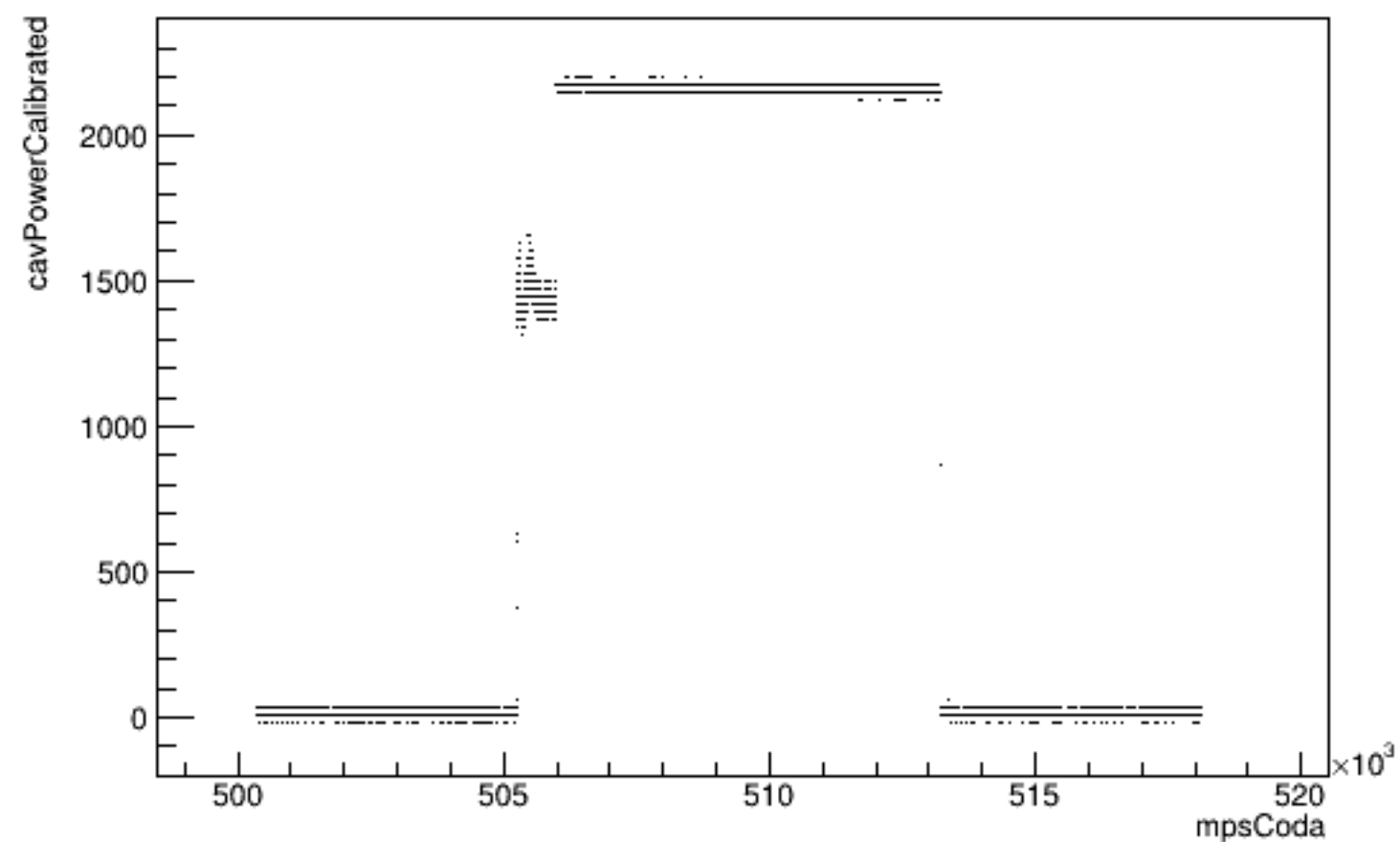
laserState:mpsCoda {mpsCoda&gt;=500335 &amp;&amp; mpsCoda&lt;=518134}



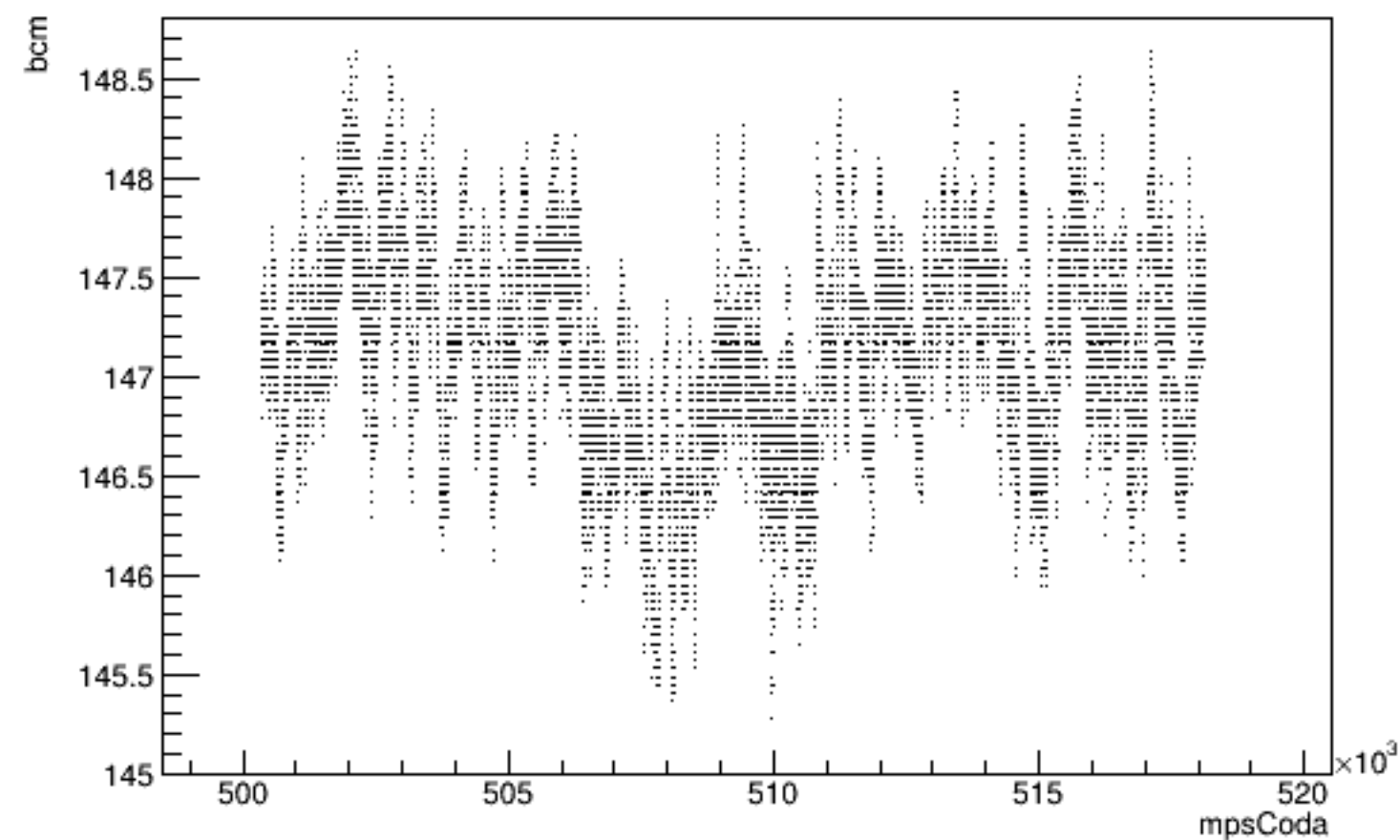
beamState + 1:mpsCoda {mpsCoda&gt;=500335 &amp;&amp; mpsCoda&lt;=518134}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=500335 &amp;&amp; mpsCoda&lt;=518134}



bcm:mpsCoda {mpsCoda&gt;=500335 &amp;&amp; mpsCoda&lt;=518134}



## Cycle 26, Diffs

Entries: 1499

Mean: 0.0035 +/- 0.0088

Std Dev: 0.3408 +/- 0.0062

Entries: 1172

Mean: 0.7688 +/- 0.0145

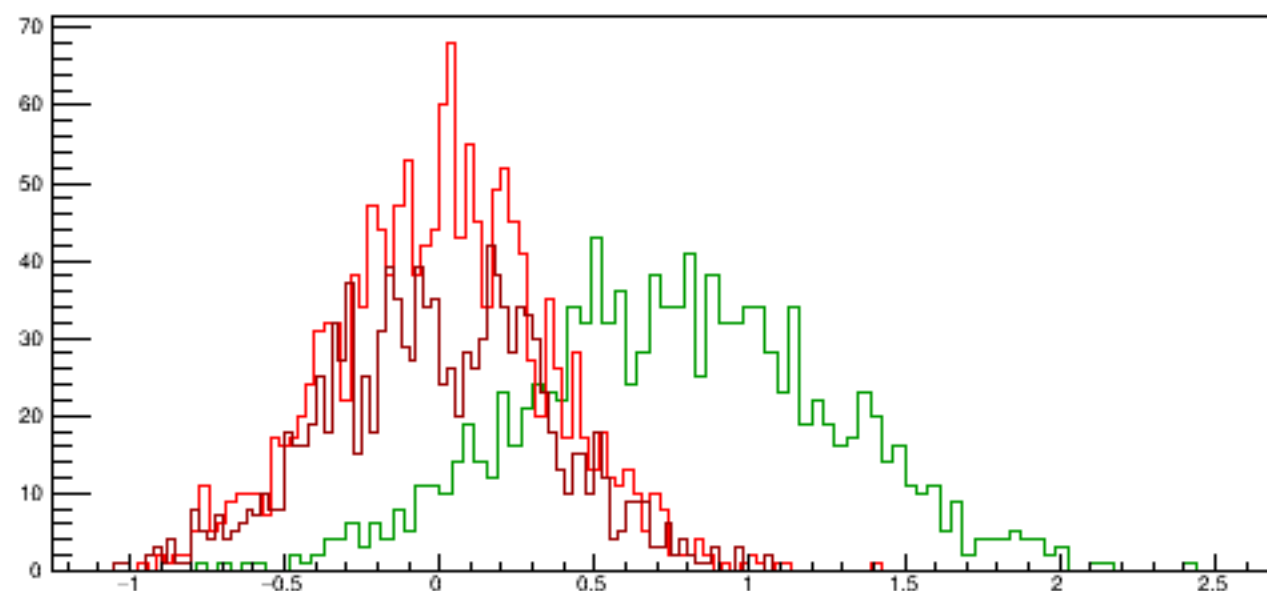
Std Dev: 0.4947 +/- 0.0102

Entries: 1222

Mean: -0.0081 +/- 0.0102

Std Dev: 0.3558 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 26, Sums

Entries: 1499

Mean: 4.7583 +/- 0.0098

Std Dev: 0.3793 +/- 0.0069

Entries: 1172

Mean: 29.1988 +/- 0.0523

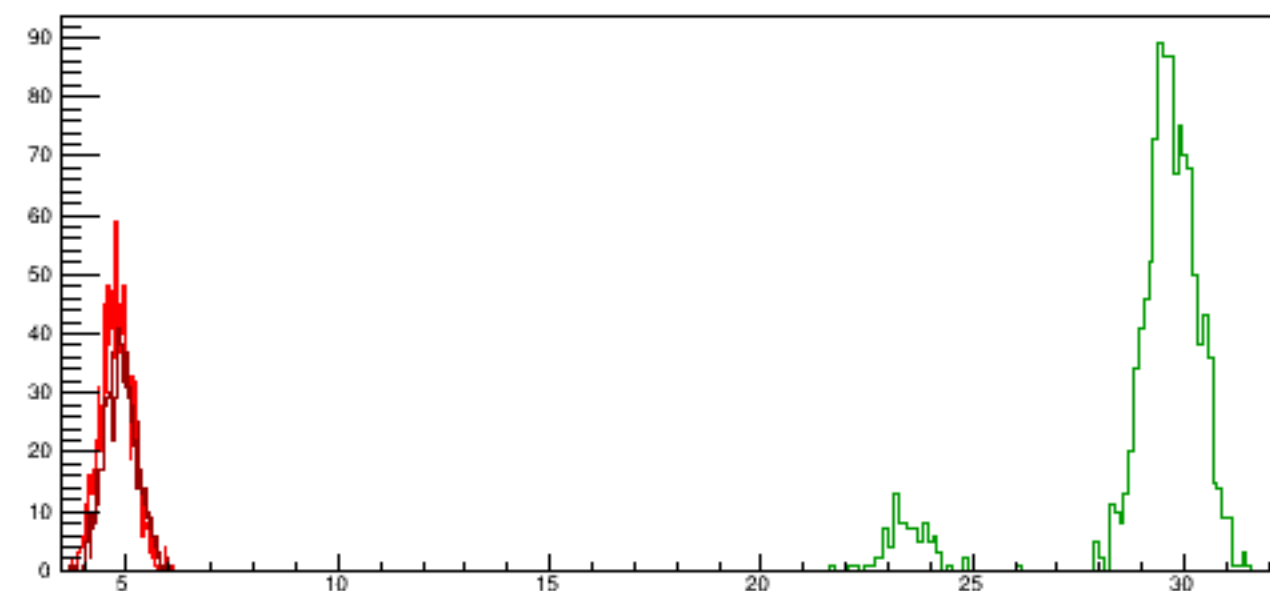
Std Dev: 1.7912 +/- 0.0370

Entries: 1222

Mean: 4.8705 +/- 0.0108

Std Dev: 0.3773 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 26, Asyms

Entries: 1499

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

Entries: 1172

Mean: 0.0316 +/- 0.0006

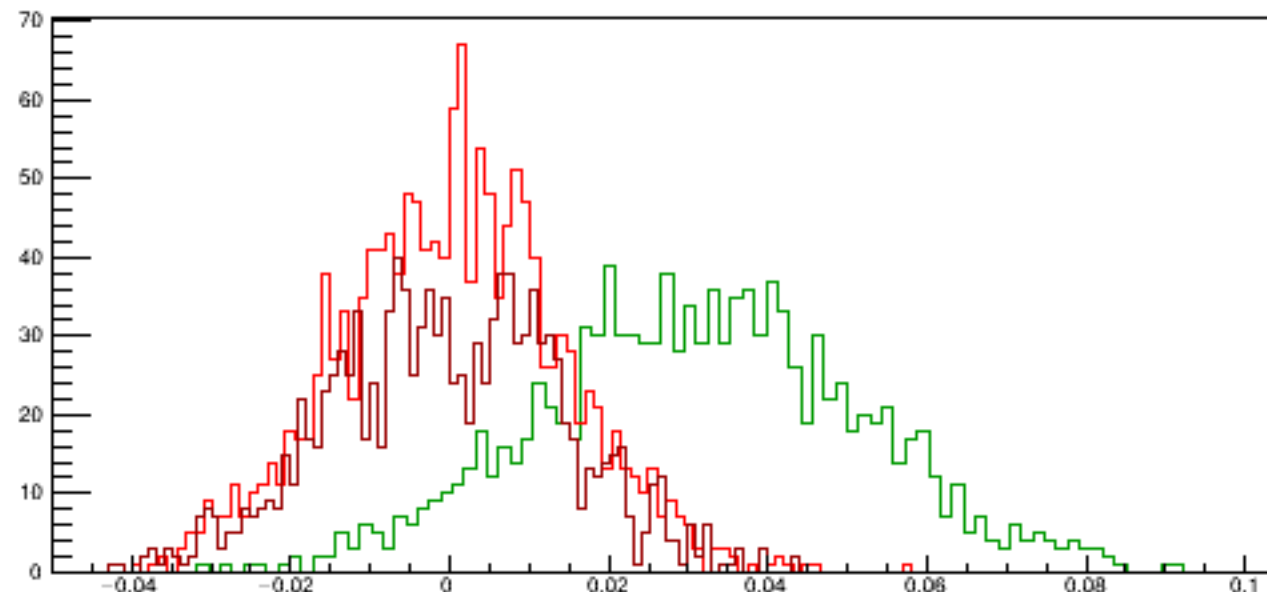
Std Dev: 0.0202 +/- 0.0004

Entries: 1222

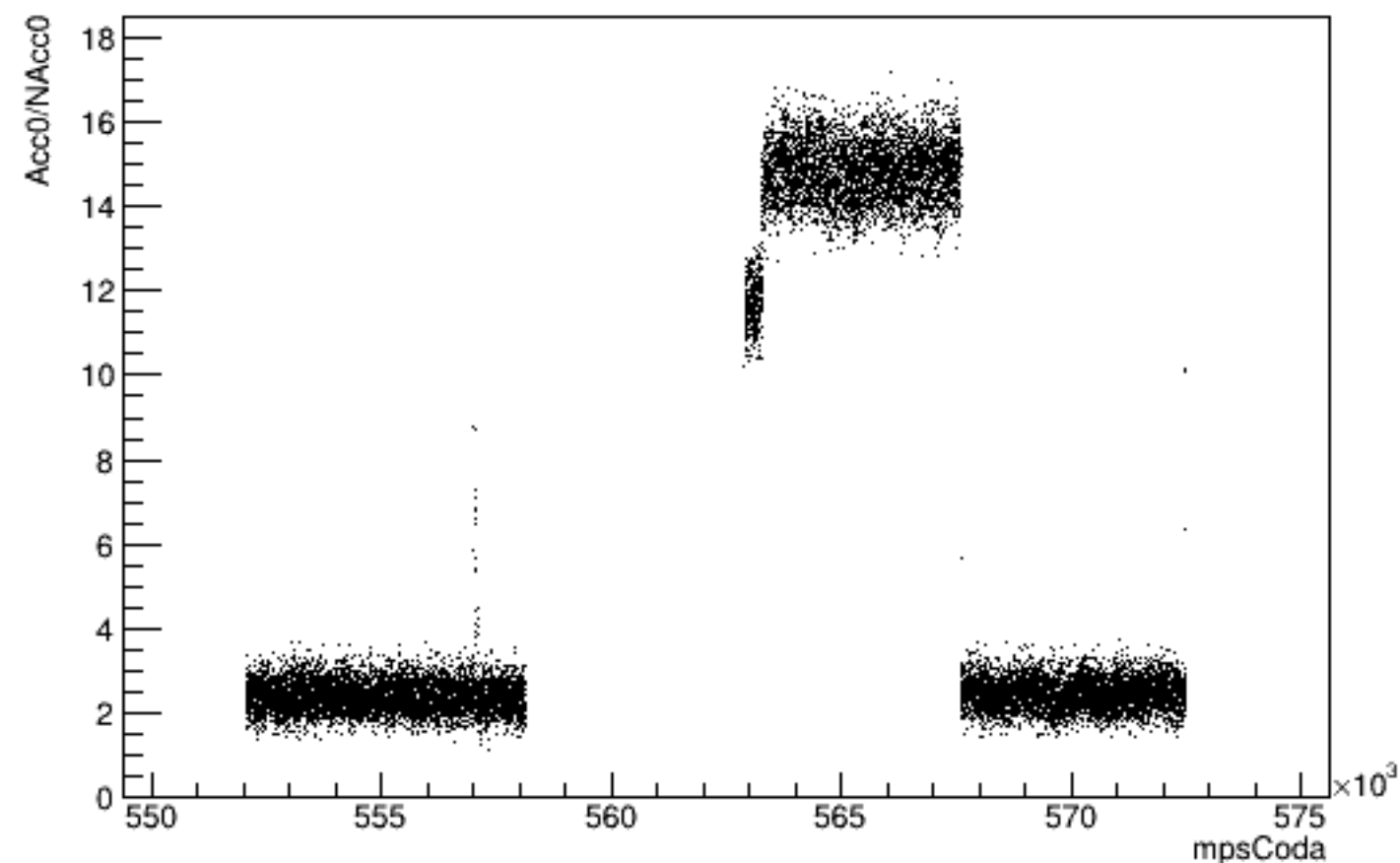
Mean: -0.0003 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

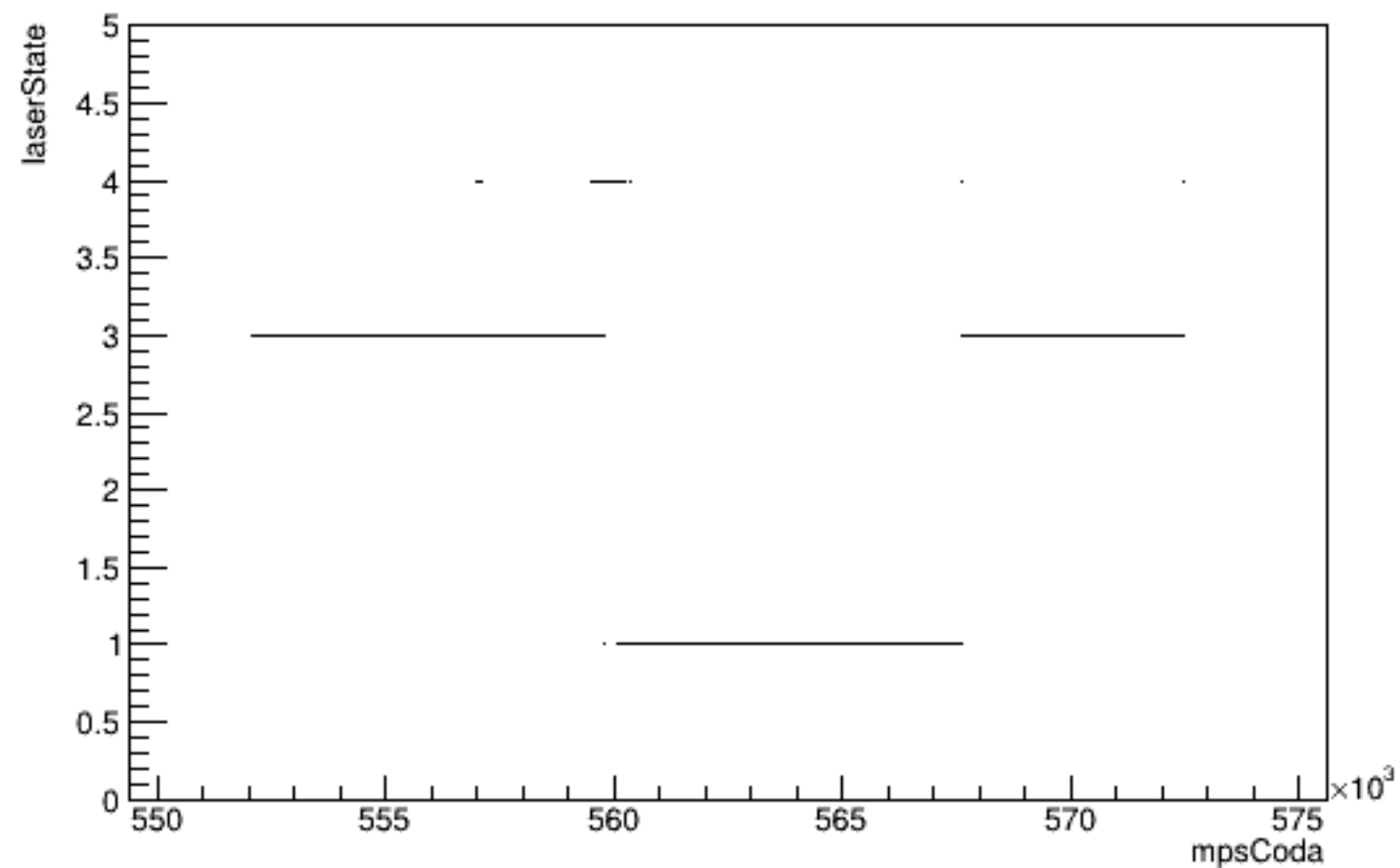
Run 5977 quartetwise, Asyms



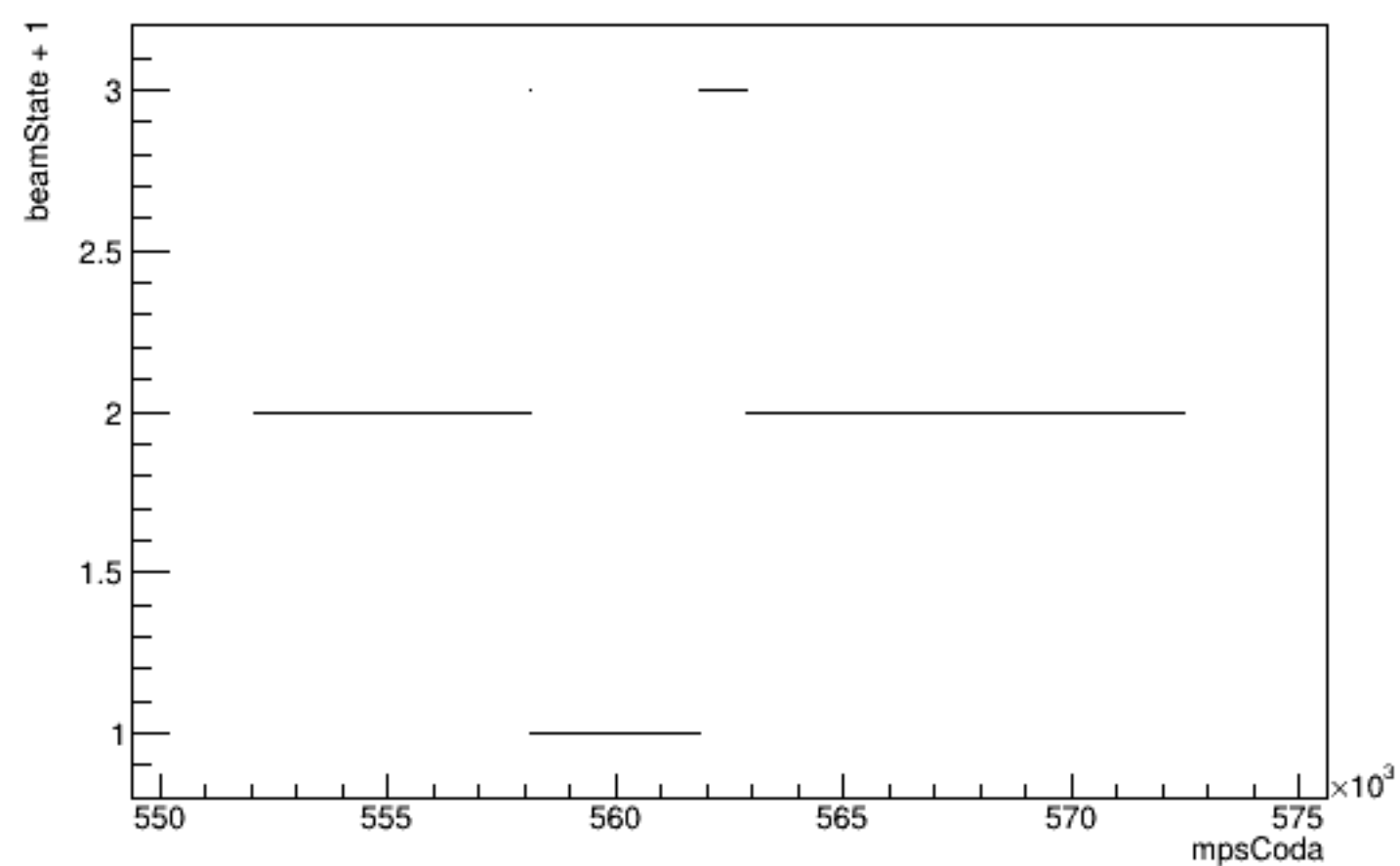
Acc0/NAcc0:mpsCoda (mpsCoda>=552051 && mpsCoda<=572486 && beamState==1)



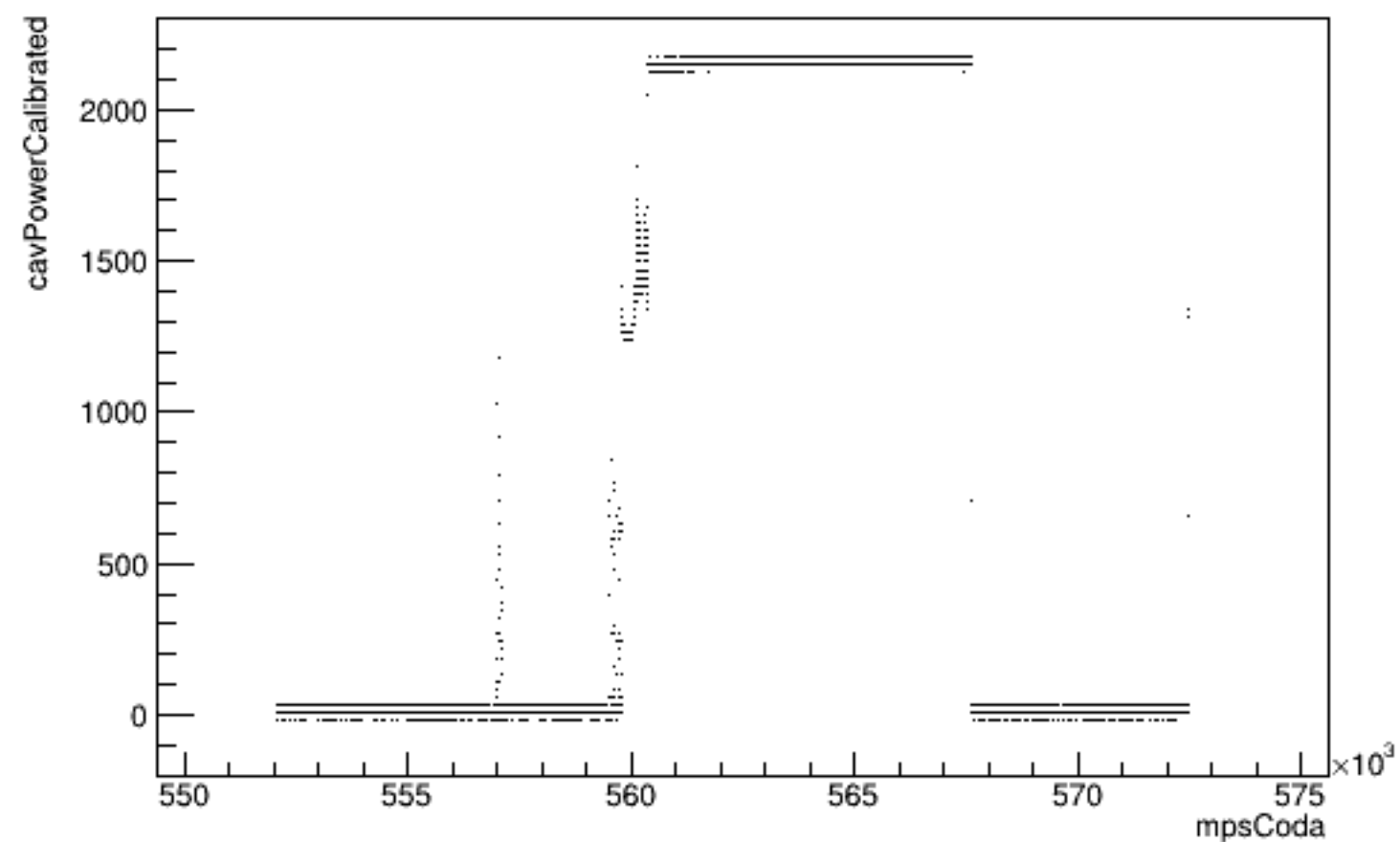
laserState:mpsCoda {mpsCoda&gt;=552051 &amp;&amp; mpsCoda&lt;=572486}



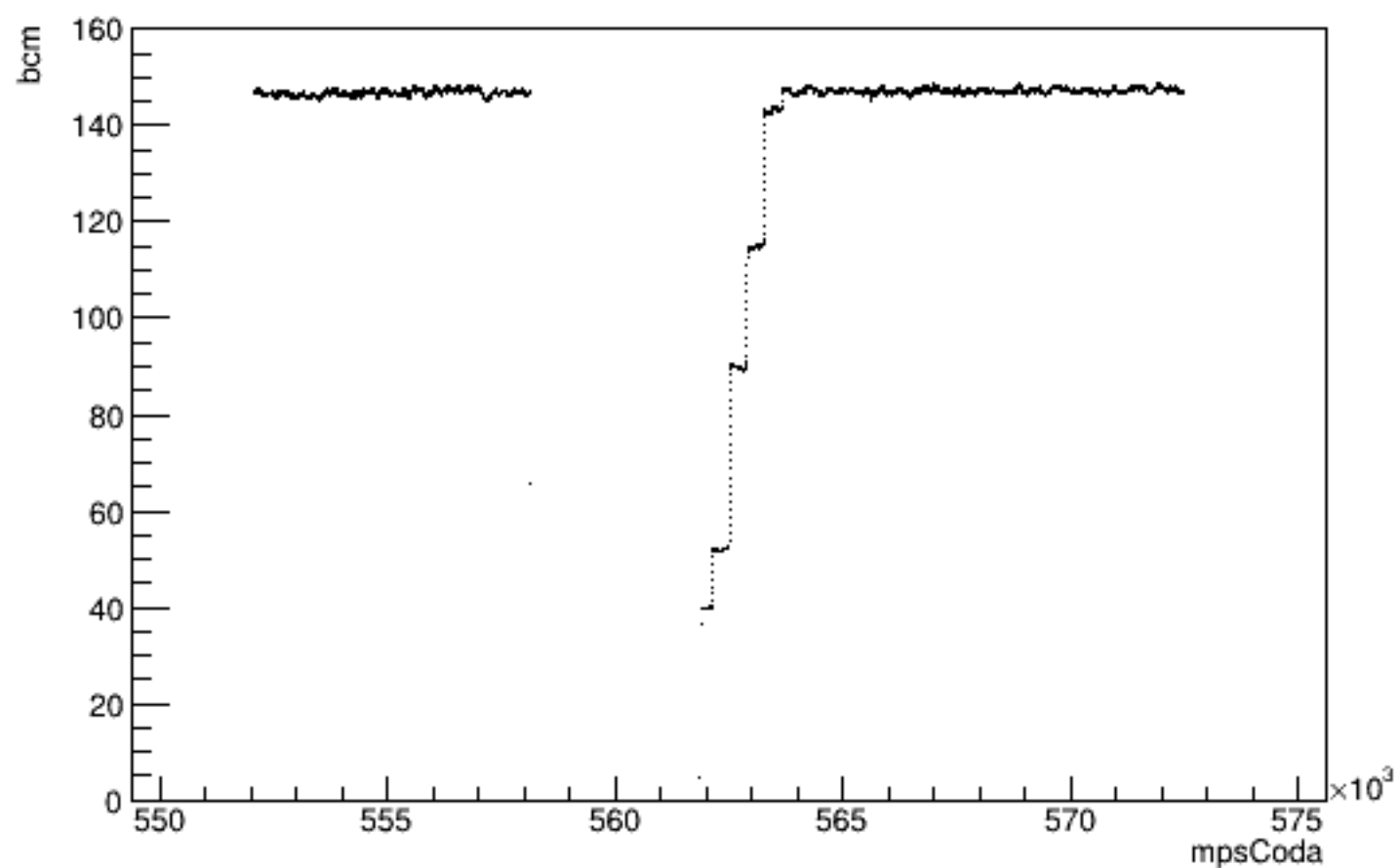
beamState + 1:mpsCoda {mpsCoda&gt;=552051 &amp;&amp; mpsCoda&lt;=572486}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=552051 &amp;&amp; mpsCoda&lt;=572486}



bcm:mpsCoda {mpsCoda&gt;=552051 &amp;&amp; mpsCoda&lt;=572486}



## Cycle 27, Diffs

Entries: 1222

Mean: -0.0081 +/- 0.0102

Std Dev: 0.3558 +/- 0.0072

Entries: 1801

Mean: 0.7588 +/- 0.0119

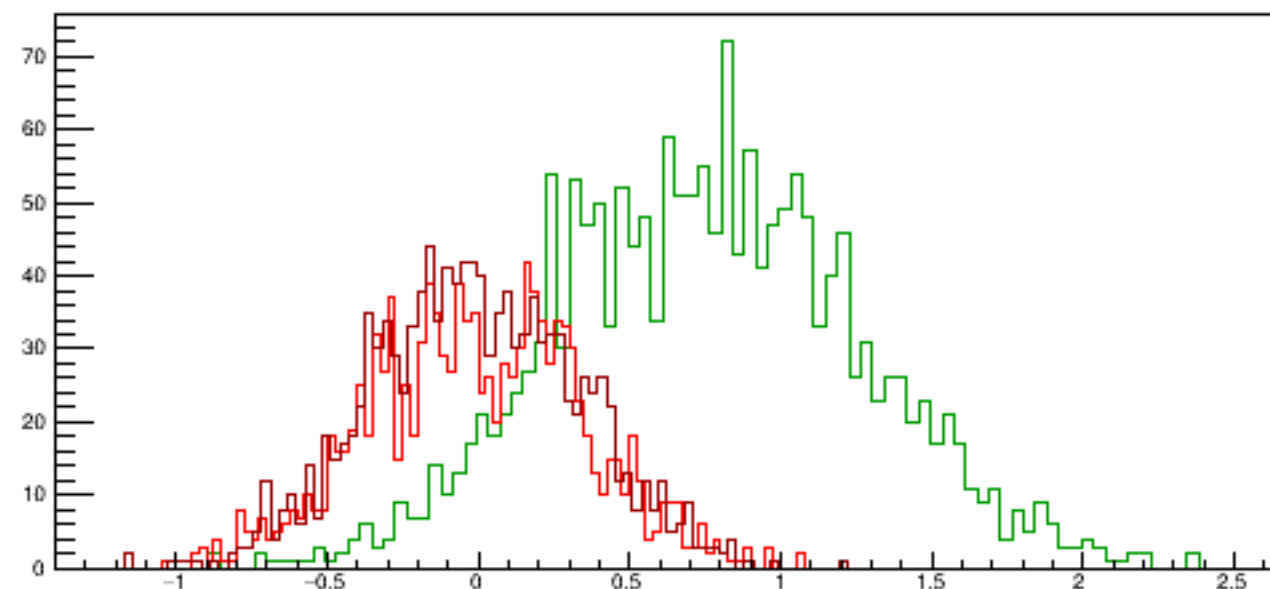
Std Dev: 0.5071 +/- 0.0084

Entries: 1217

Mean: -0.0129 +/- 0.0099

Std Dev: 0.3437 +/- 0.0070

Run 5977 quartetwise, Diffs



## Cycle 27, Sums

Entries: 1222

Mean: 4.8705 +/- 0.0108

Std Dev: 0.3773 +/- 0.0076

Entries: 1801

Mean: 29.5165 +/- 0.0155

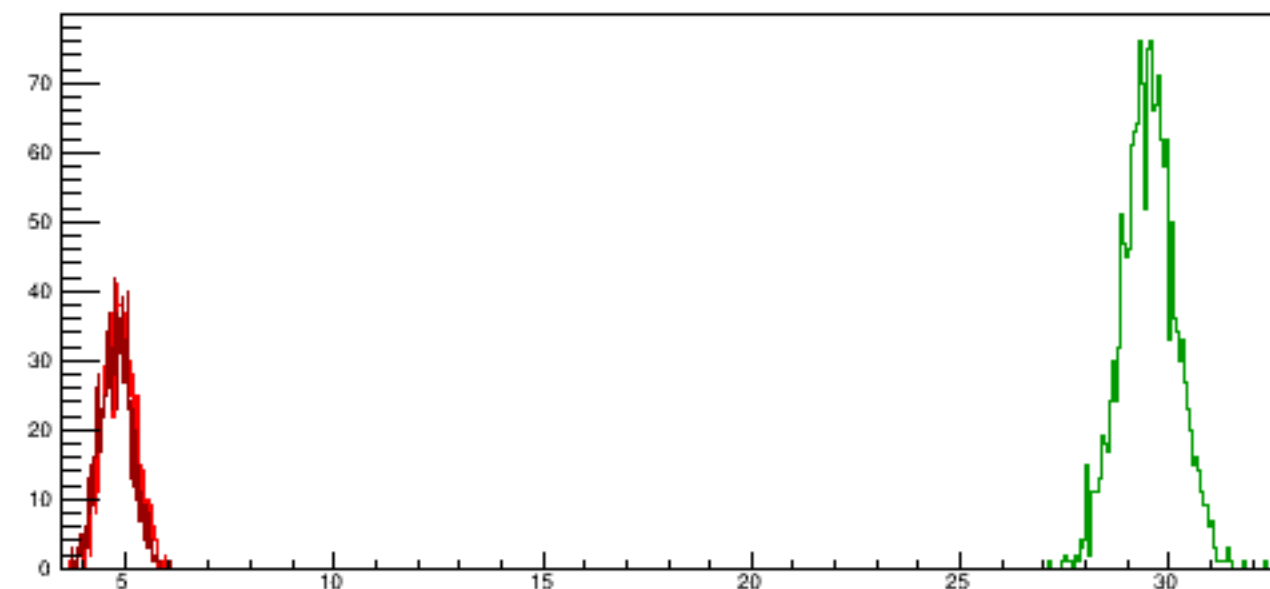
Std Dev: 0.6562 +/- 0.0109

Entries: 1217

Mean: 4.7642 +/- 0.0109

Std Dev: 0.3789 +/- 0.0077

Run 5977 quartetwise, Sums



## Cycle 27, Asyms

Entries: 1222

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

Entries: 1801

Mean: 0.0307 +/- 0.0005

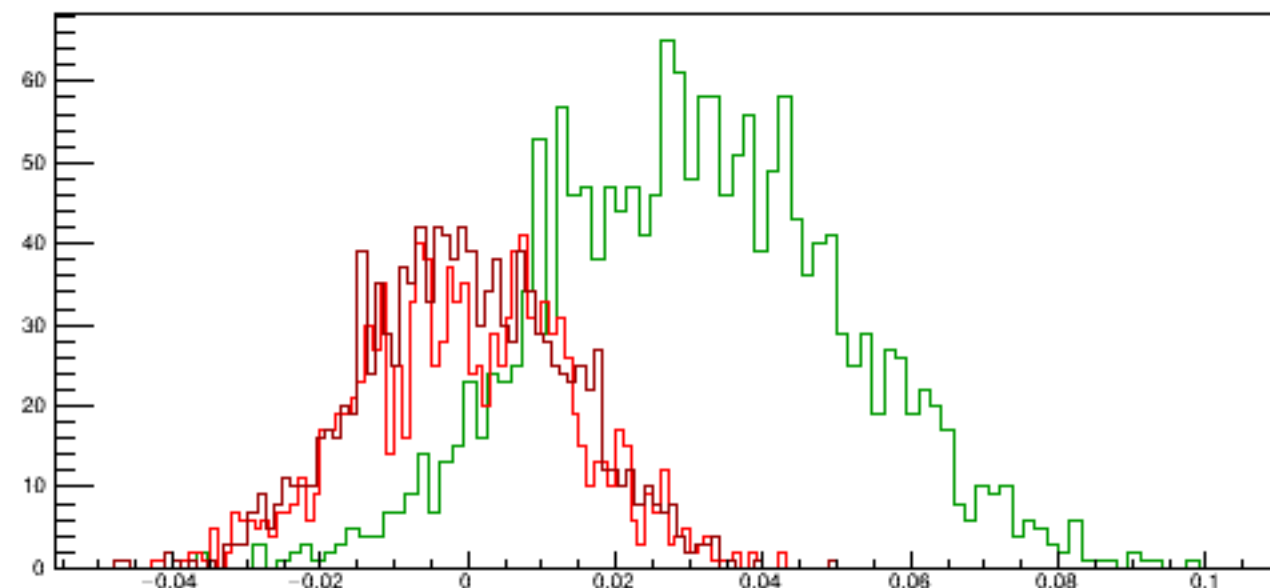
Std Dev: 0.0205 +/- 0.0003

Entries: 1217

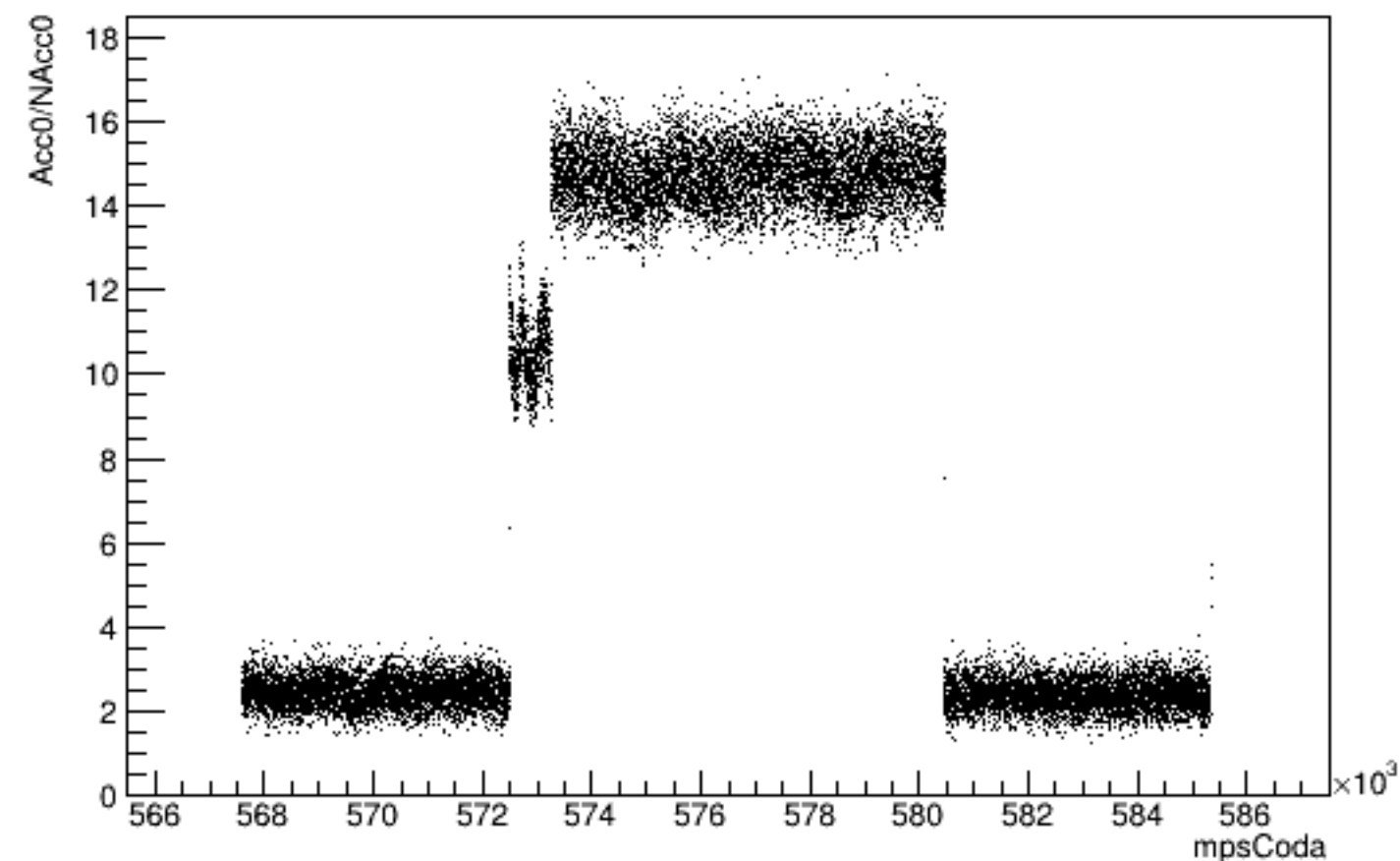
Mean: -0.0005 +/- 0.0004

Std Dev: 0.0139 +/- 0.0003

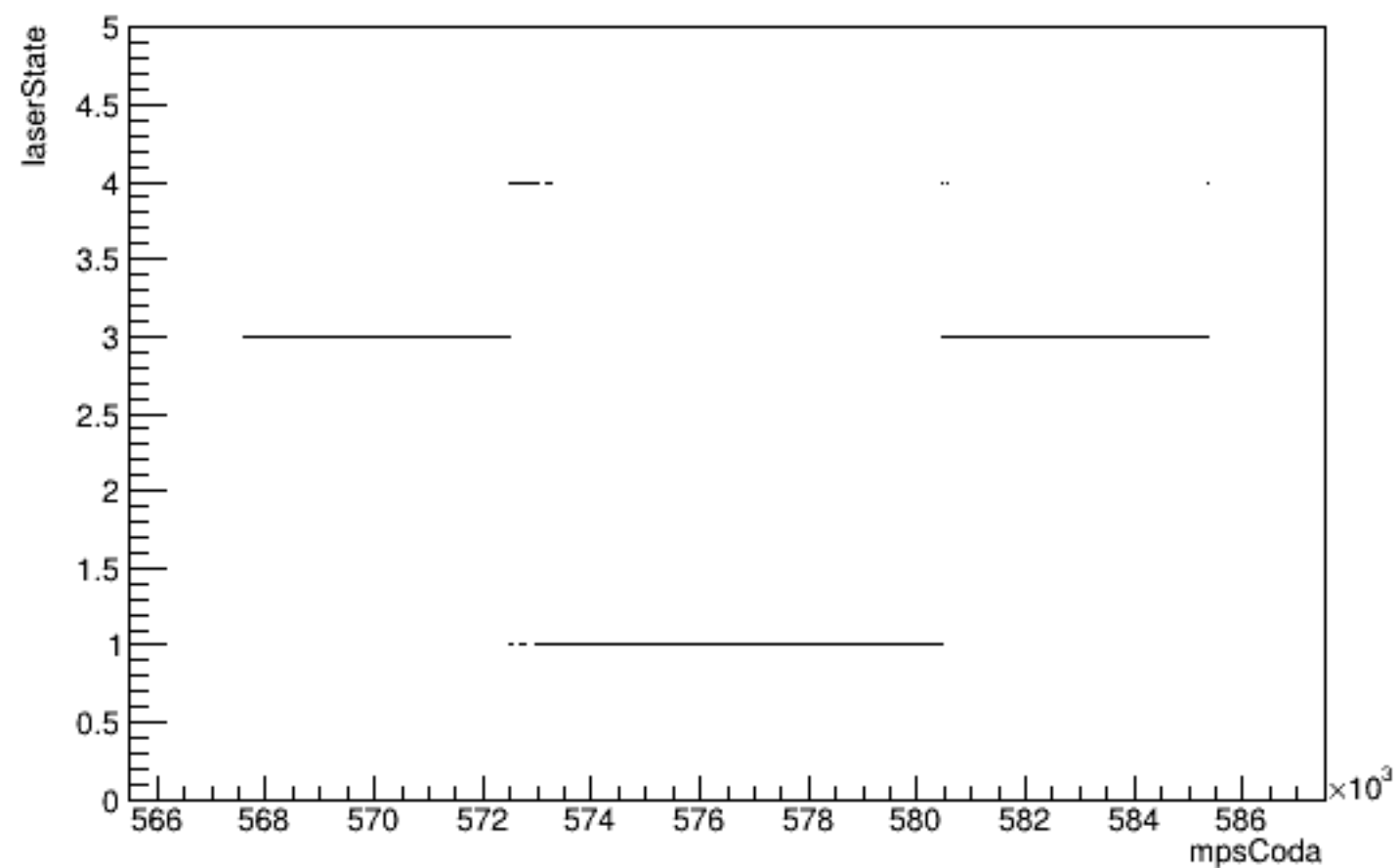
Run 5977 quartetwise, Asyms



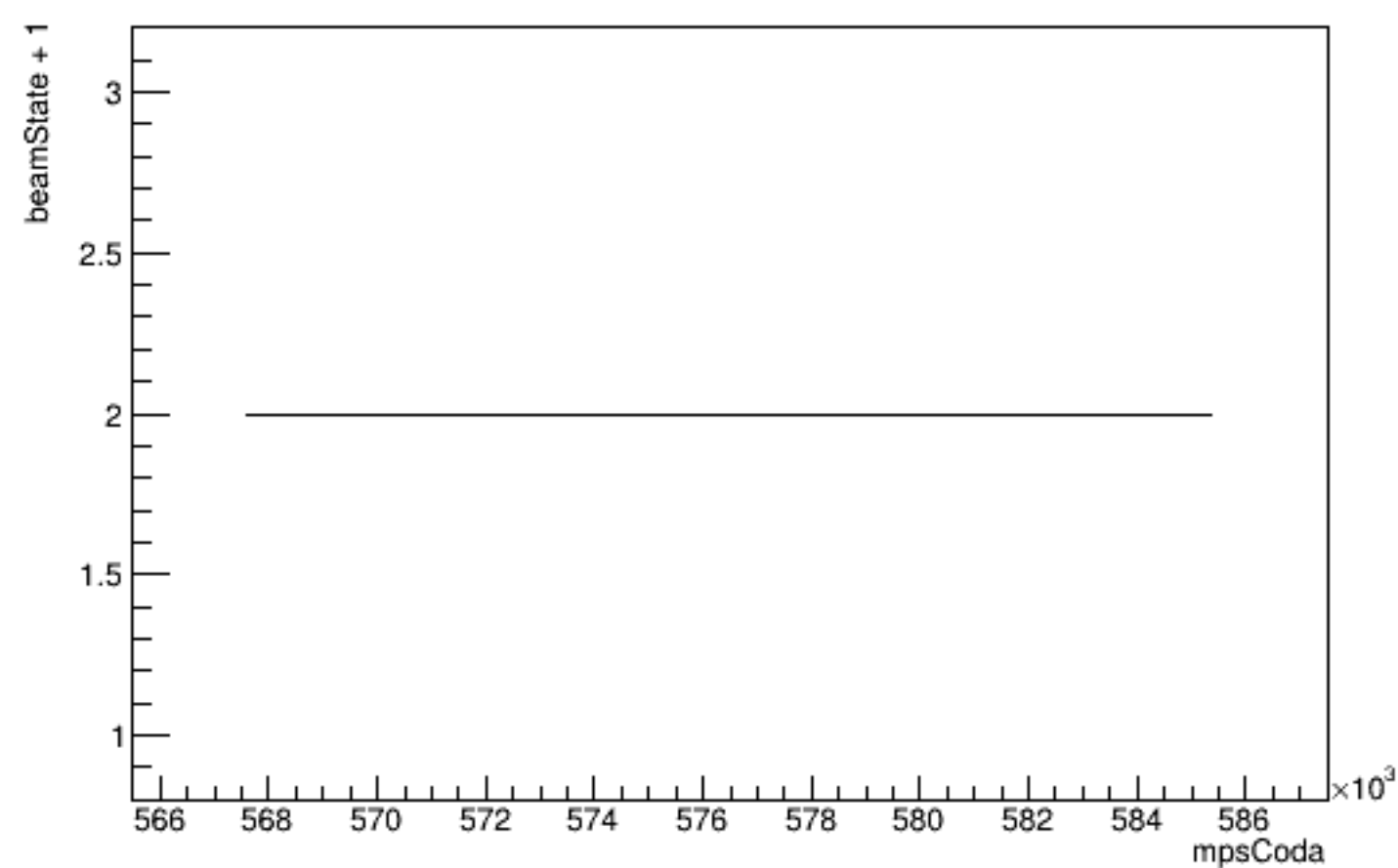
Acc0/NAcc0:mpsCoda (mpsCoda>=567595 && mpsCoda<=585338 && beamState==1)



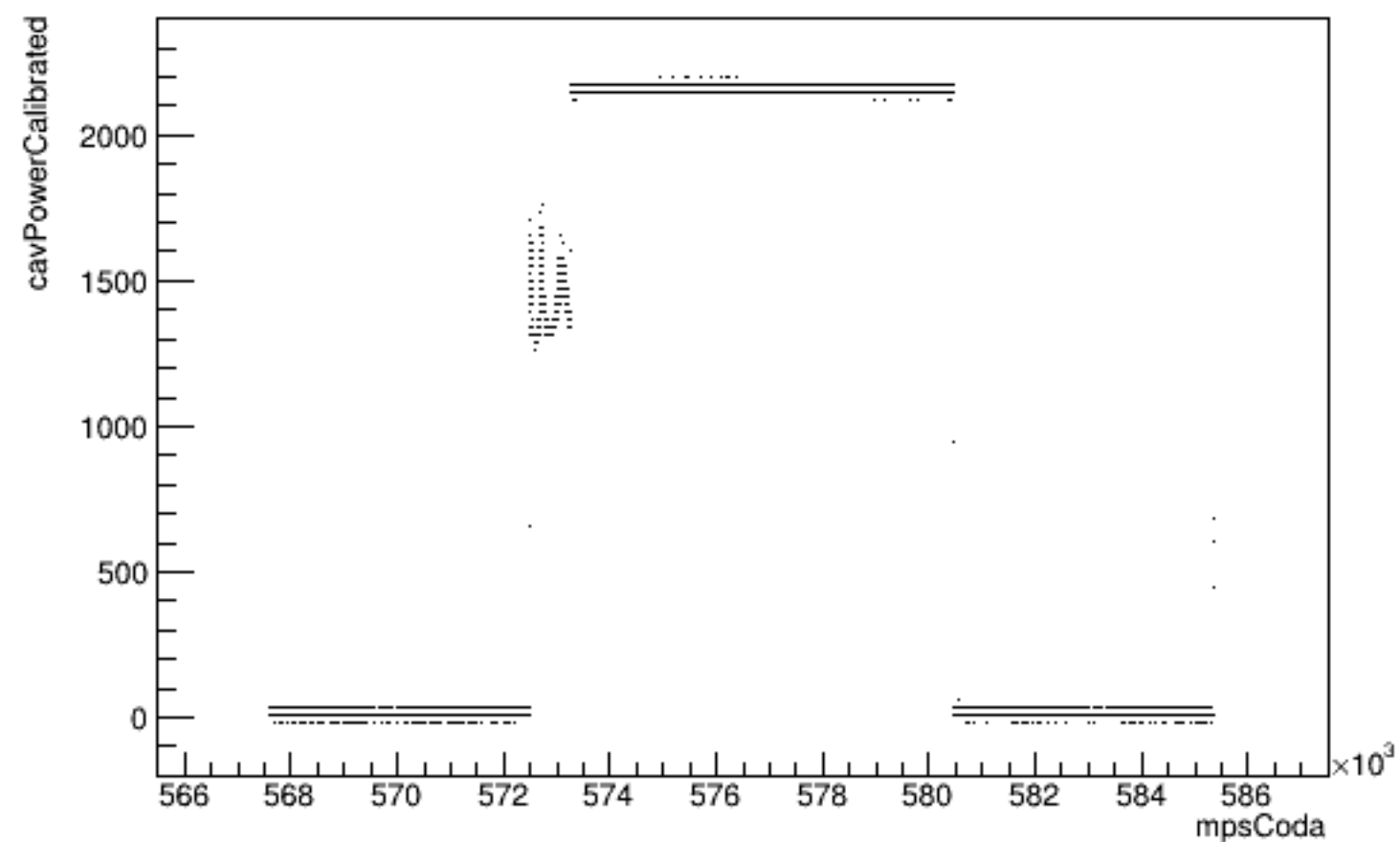
laserState:mpsCoda {mpsCoda&gt;=567595 &amp;&amp; mpsCoda&lt;=585338}



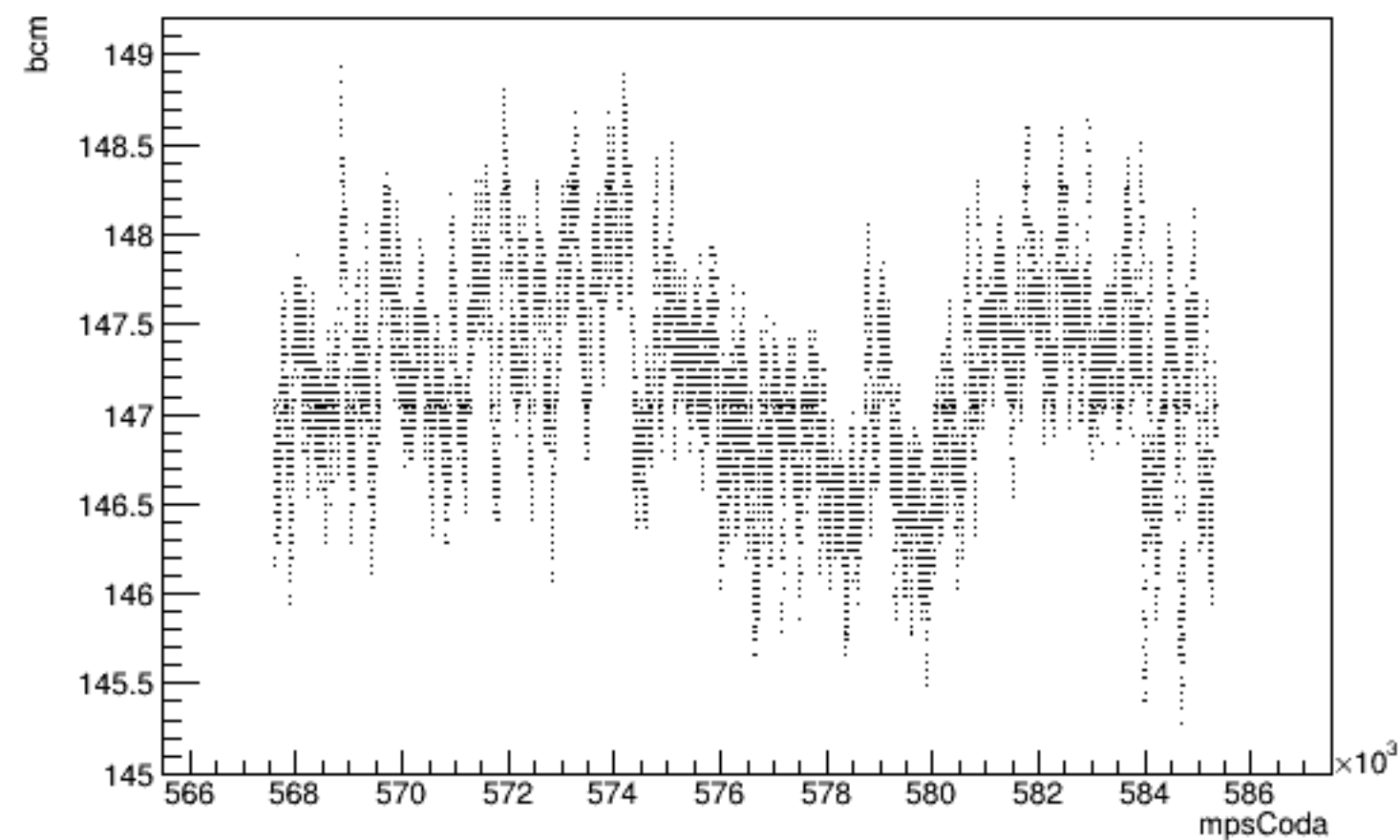
beamState + 1:mpsCoda {mpsCoda&gt;=567595 &amp;&amp; mpsCoda&lt;=585338}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=567595 &amp;&amp; mpsCoda&lt;=585338}



bcm:mpsCoda {mpsCoda&gt;=567595 &amp;&amp; mpsCoda&lt;=585338}



## Cycle 28, Diffs

Entries: 1217

Mean: -0.0129 +/- 0.0099

Std Dev: 0.3437 +/- 0.0070

Entries: 1800

Mean: 0.8035 +/- 0.0122

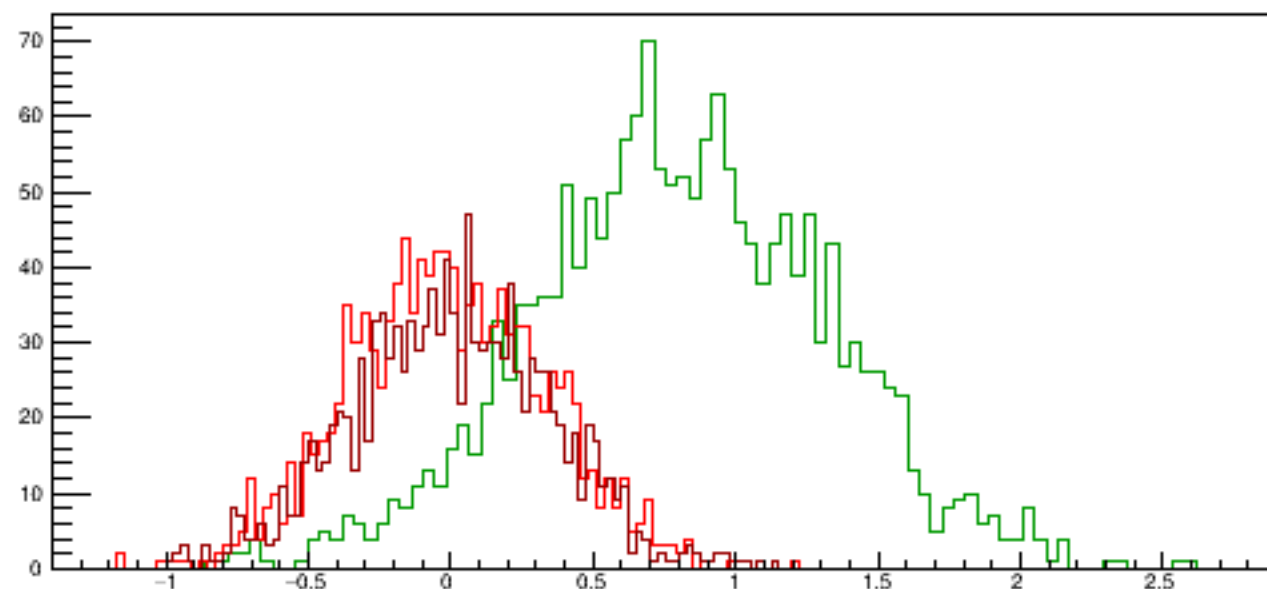
Std Dev: 0.5196 +/- 0.0087

Entries: 1215

Mean: 0.0027 +/- 0.0100

Std Dev: 0.3492 +/- 0.0071

Run 5977 quartetwise, Diffs



## Cycle 28, Sums

Entries: 1217

Mean: 4.7642 +/- 0.0109

Std Dev: 0.3789 +/- 0.0077

Entries: 1800

Mean: 29.5867 +/- 0.0145

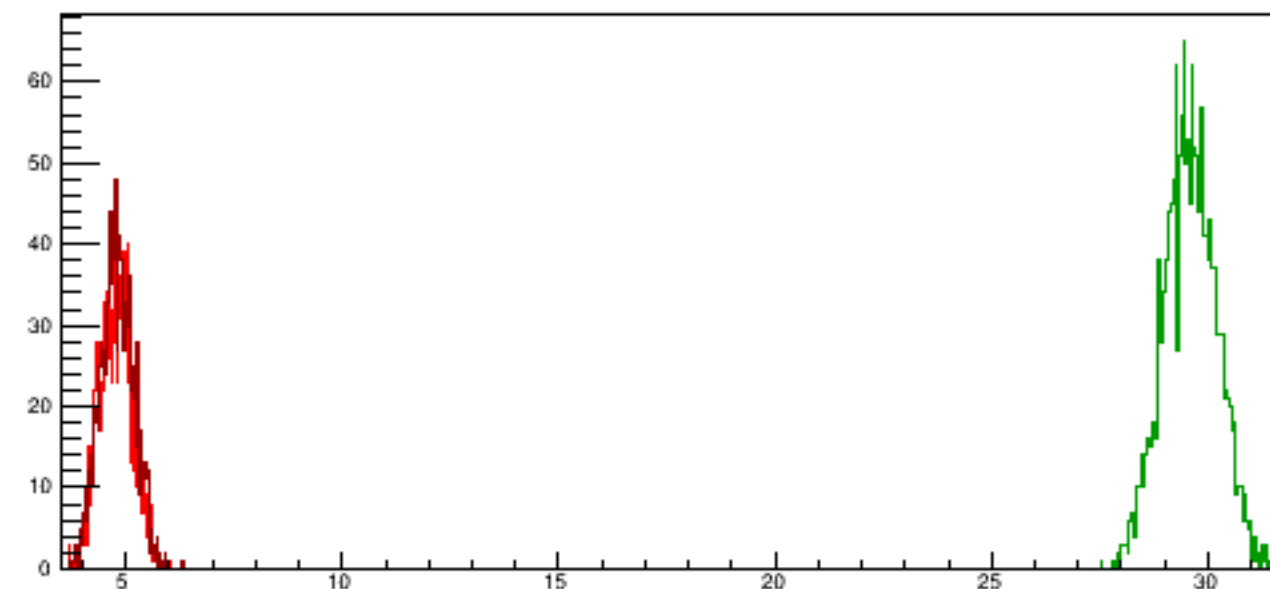
Std Dev: 0.6140 +/- 0.0102

Entries: 1215

Mean: 4.7949 +/- 0.0110

Std Dev: 0.3836 +/- 0.0078

Run 5977 quartetwise, Sums



## Cycle 28, Asyms

Entries: 1217

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0139 +/- 0.0003

Entries: 1800

Mean: 0.0324 +/- 0.0005

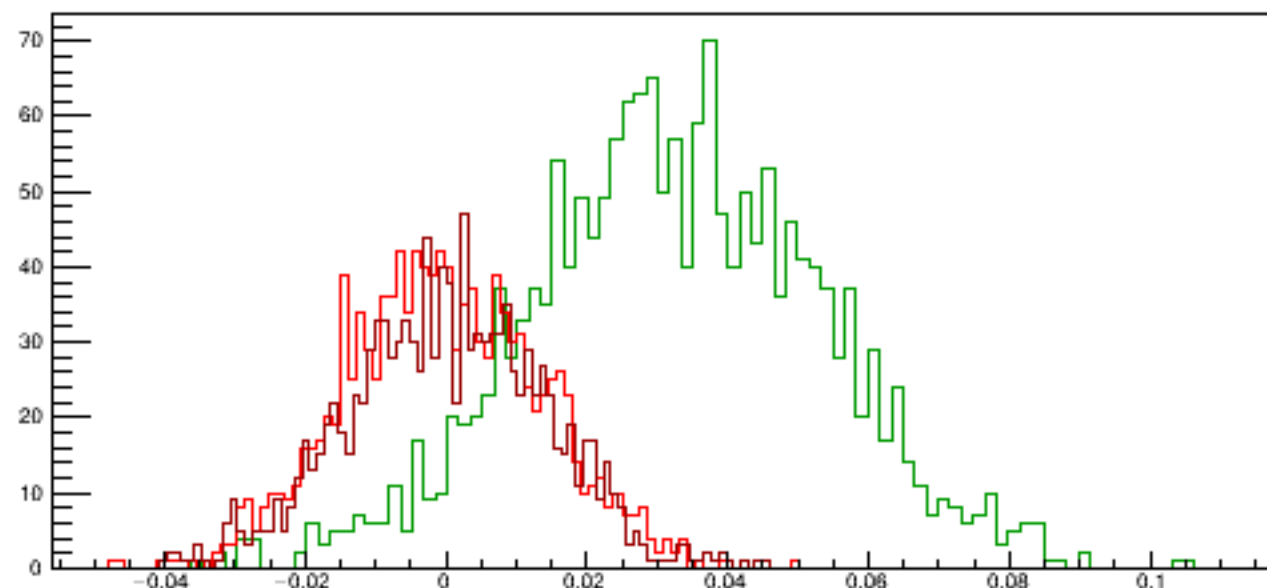
Std Dev: 0.0209 +/- 0.0003

Entries: 1215

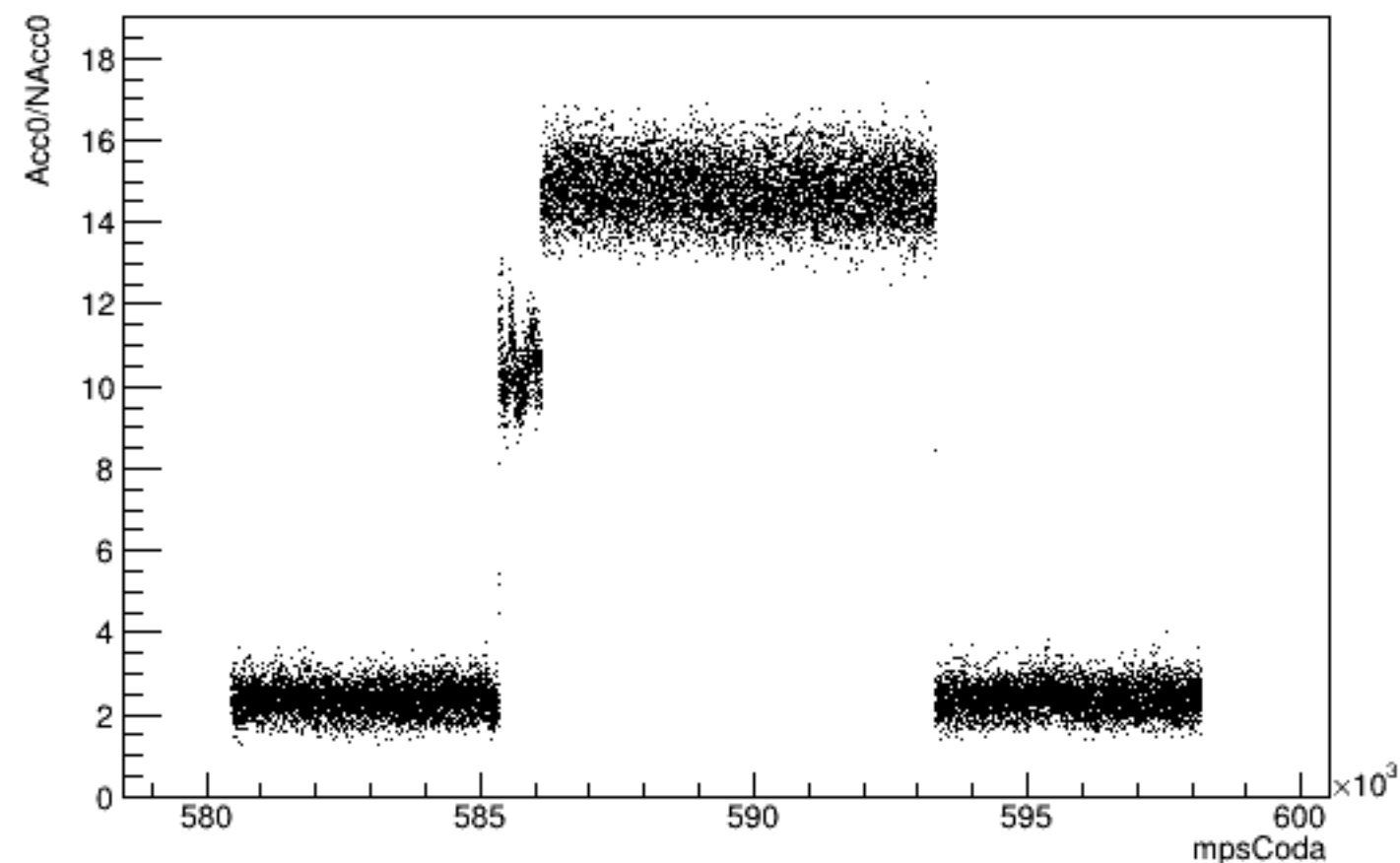
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0141 +/- 0.0003

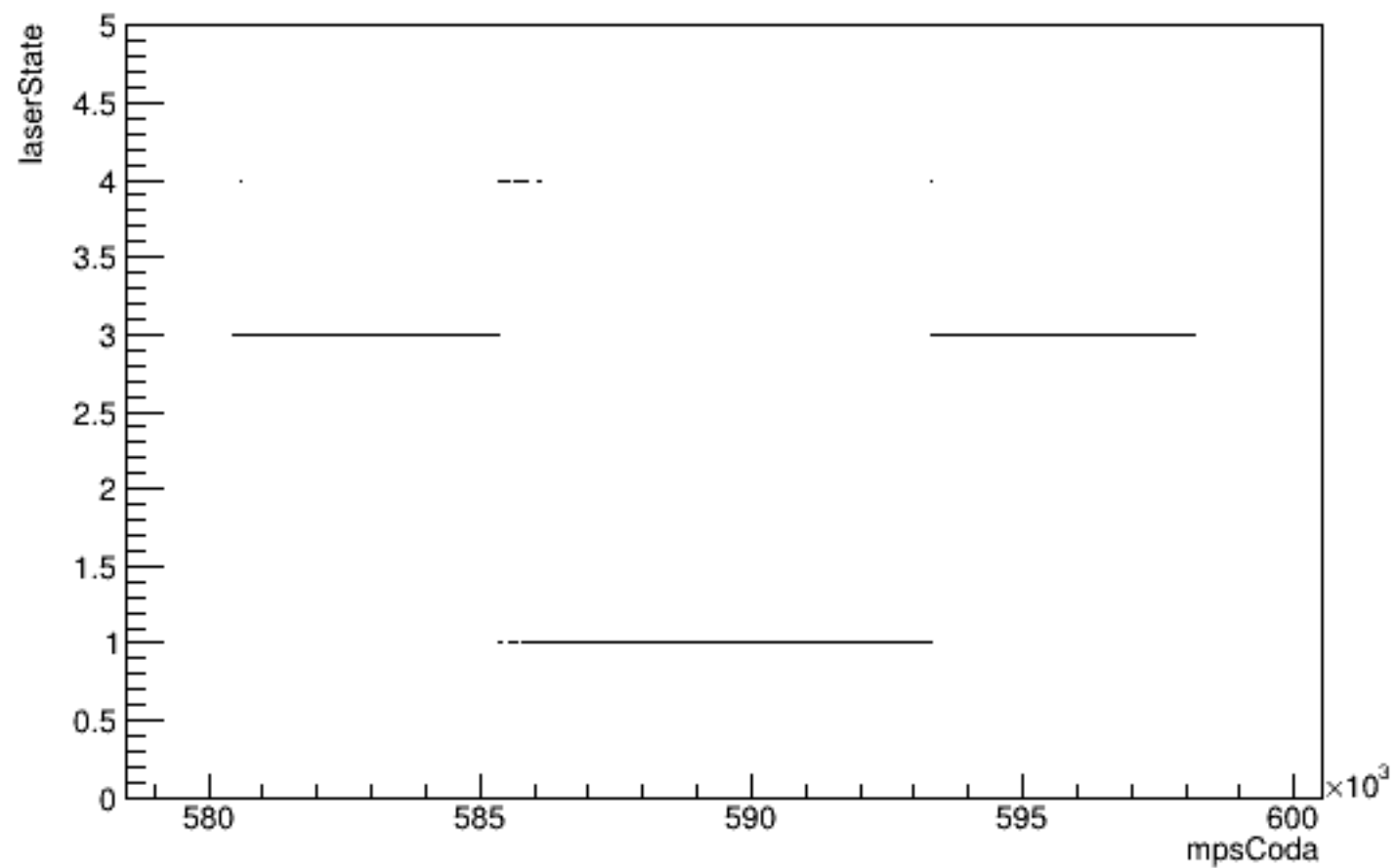
Run 5977 quartetwise, Asyms



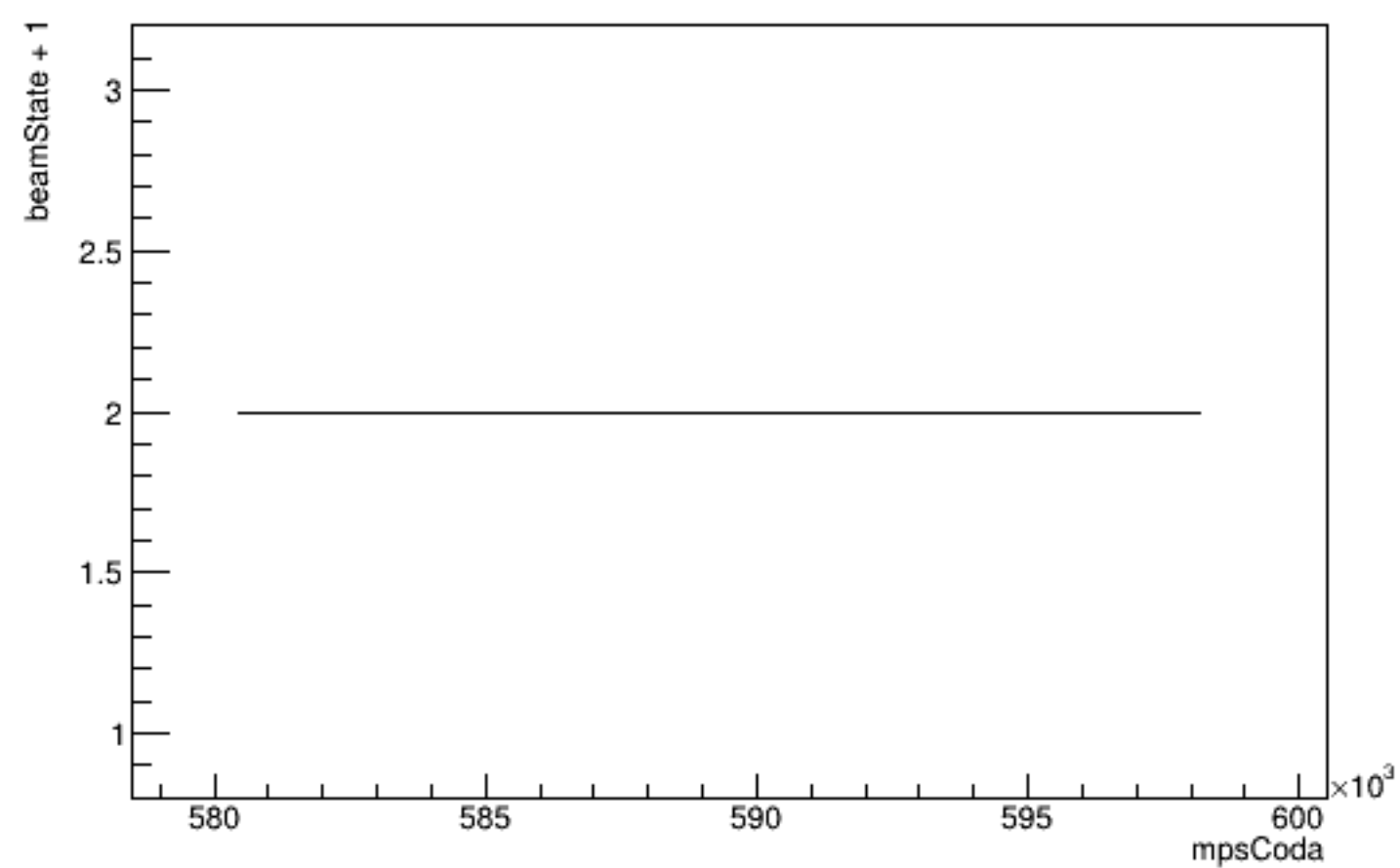
Acc0/NAcc0:mpsCoda (mpsCoda>=580463 && mpsCoda<=598186 && beamState==1)



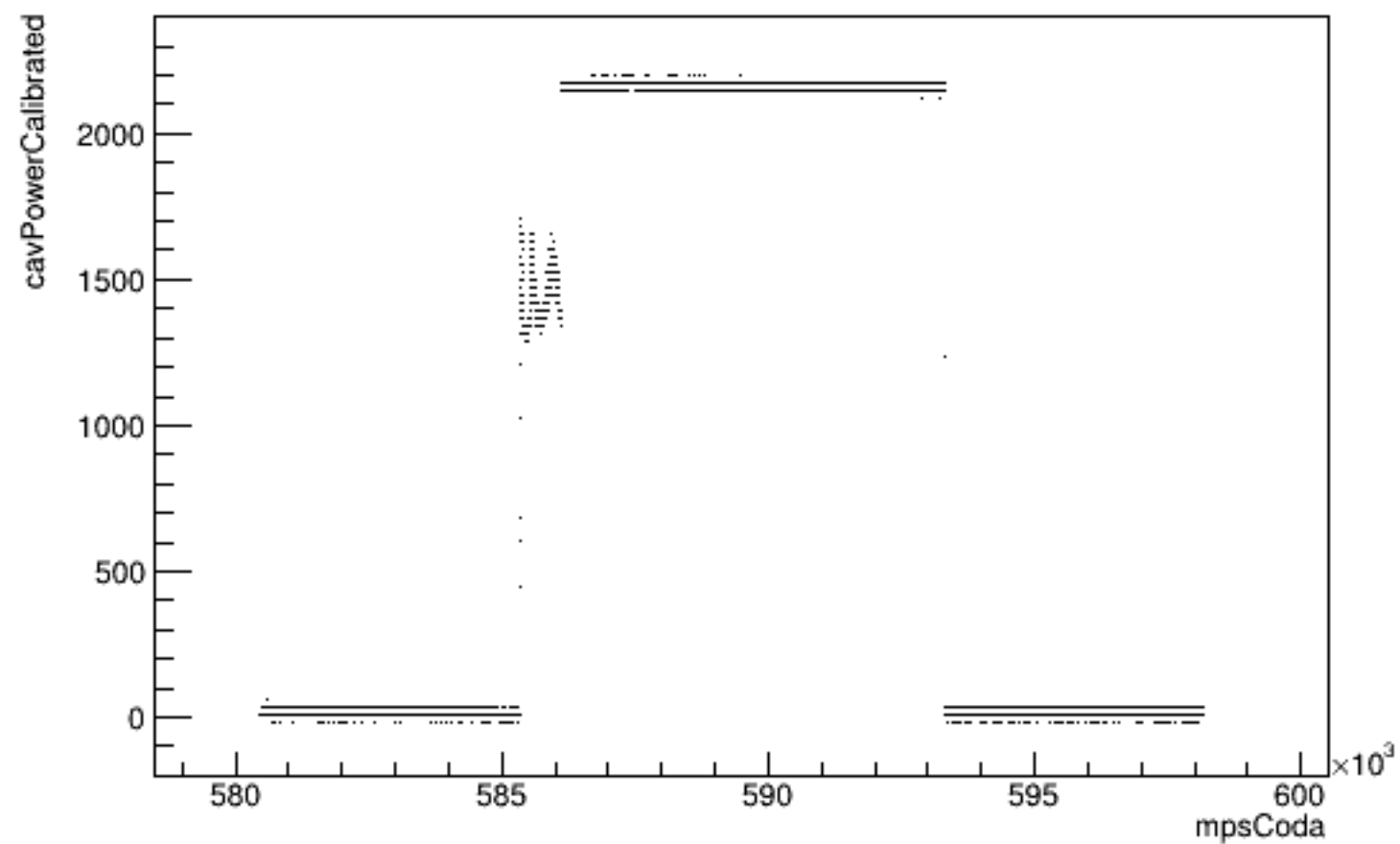
laserState:mpsCoda {mpsCoda&gt;=580463 &amp;&amp; mpsCoda&lt;=598186}



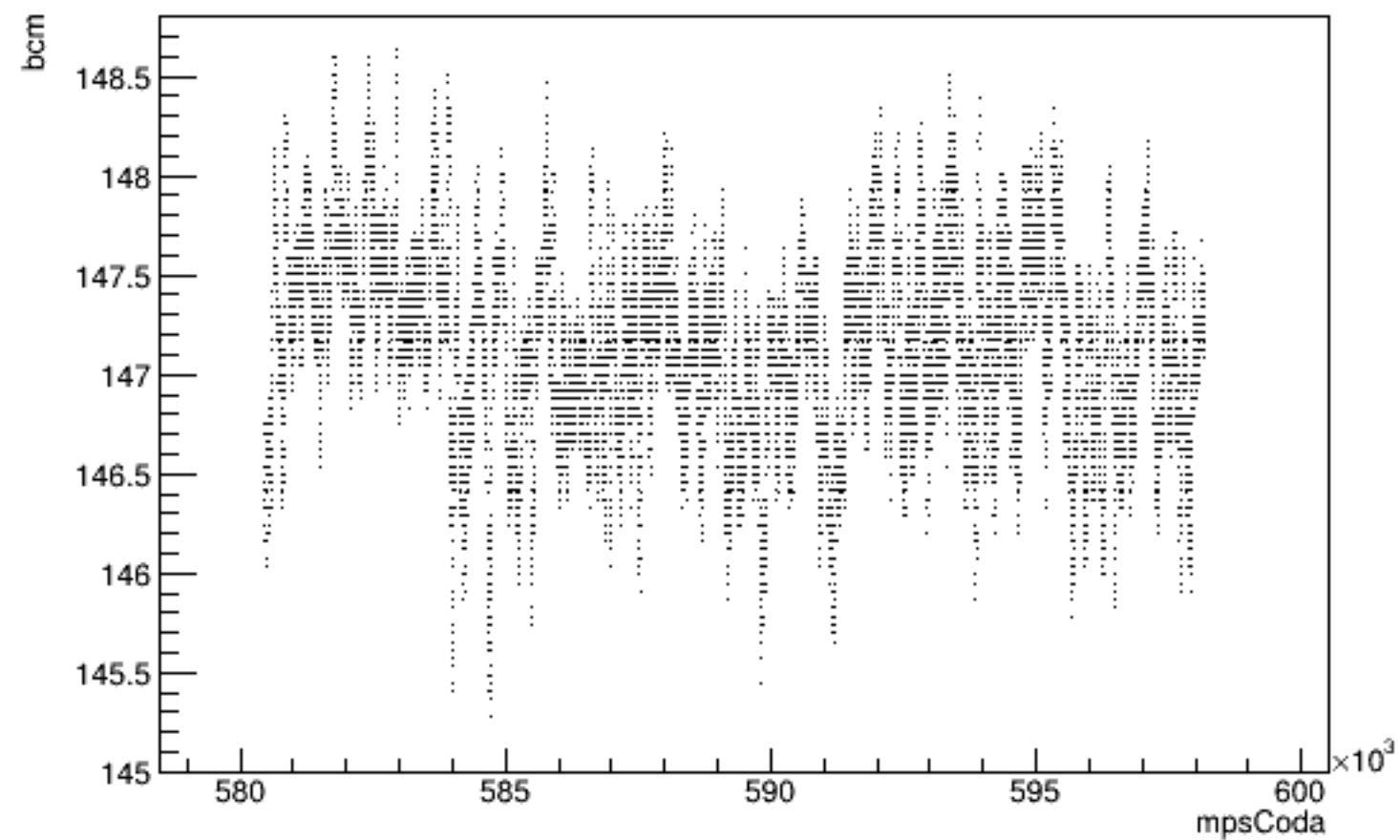
beamState + 1:mpsCoda {mpsCoda&gt;=580463 &amp;&amp; mpsCoda&lt;=598186}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=580463 &amp;&amp; mpsCoda&lt;=598186}



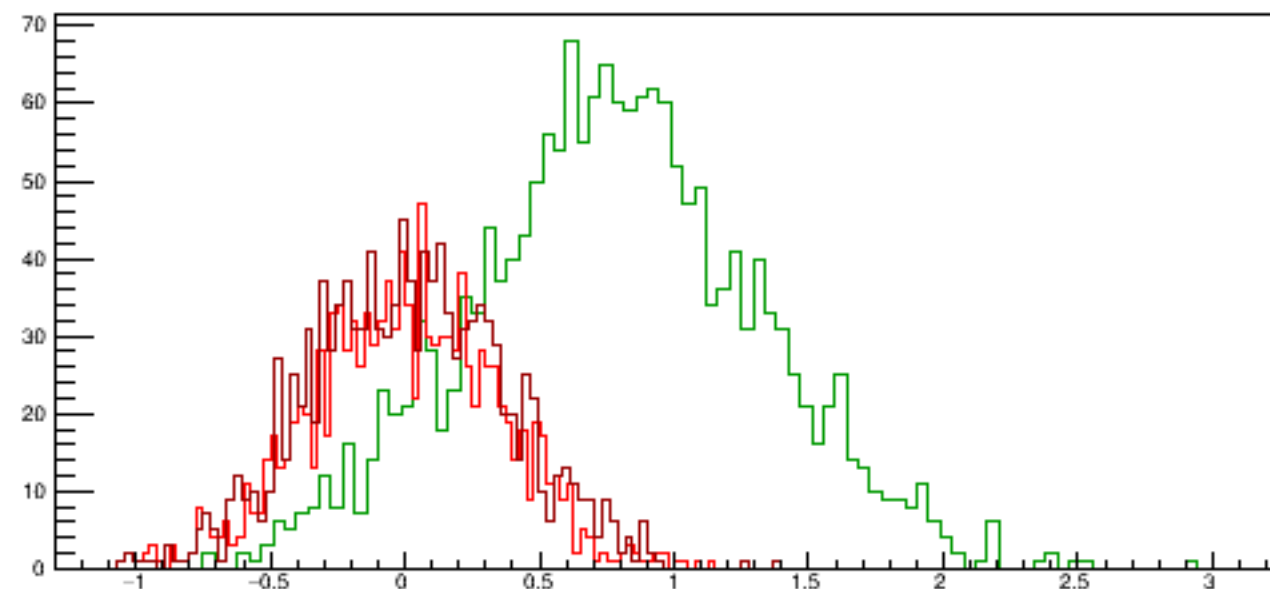
bcm:mpsCoda {mpsCoda&gt;=580463 &amp;&amp; mpsCoda&lt;=598186}



## Cycle 29, Diffs

| Entries: 1215              | Entries: 1800              | Entries: 1214              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0027 +/- 0.0100    | Mean: 0.7785 +/- 0.0126    | Mean: 0.0133 +/- 0.0104    |
| Std Dev: 0.3492 +/- 0.0071 | Std Dev: 0.5351 +/- 0.0089 | Std Dev: 0.3629 +/- 0.0074 |

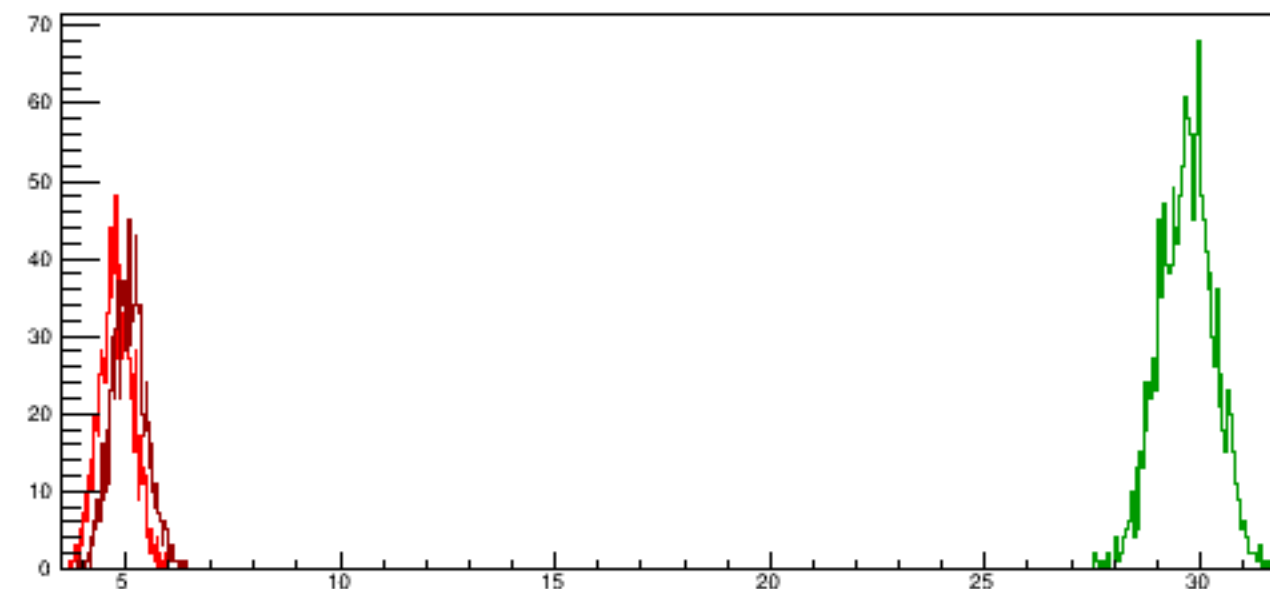
Run 5977 quartetwise, Diffs



## Cycle 29, Sums

| Entries: 1215              | Entries: 1800              | Entries: 1214              |
|----------------------------|----------------------------|----------------------------|
| Mean: 4.7949 +/- 0.0110    | Mean: 29.6835 +/- 0.0148   | Mean: 5.0767 +/- 0.0112    |
| Std Dev: 0.3836 +/- 0.0078 | Std Dev: 0.6285 +/- 0.0105 | Std Dev: 0.3897 +/- 0.0079 |

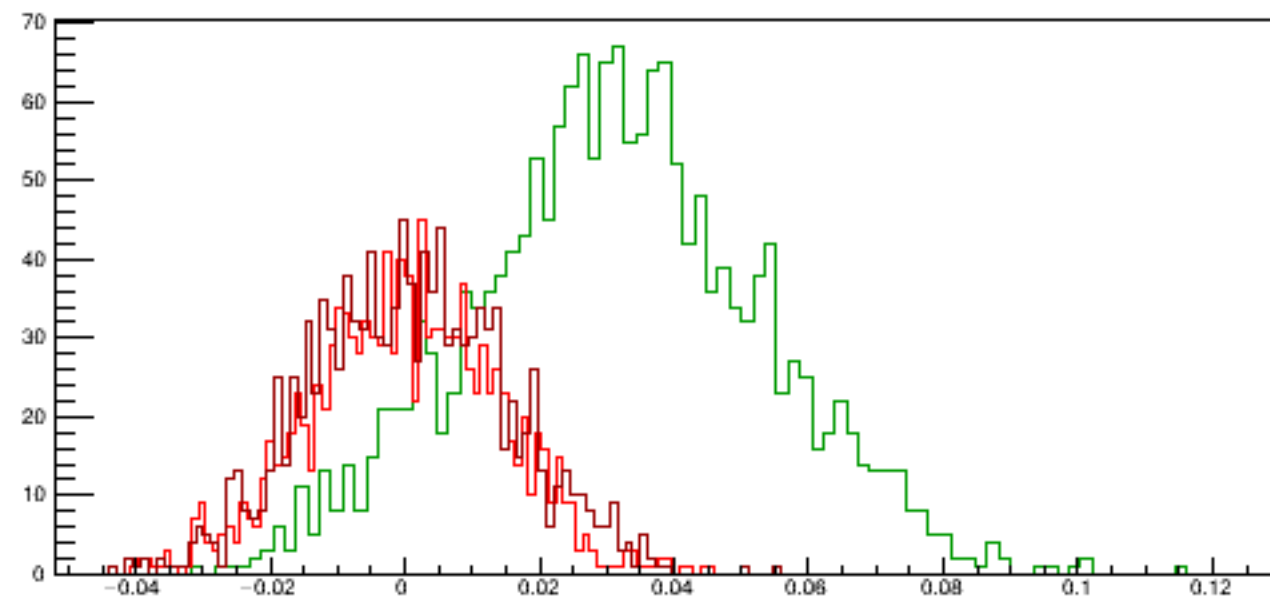
Run 5977 quartetwise, Sums



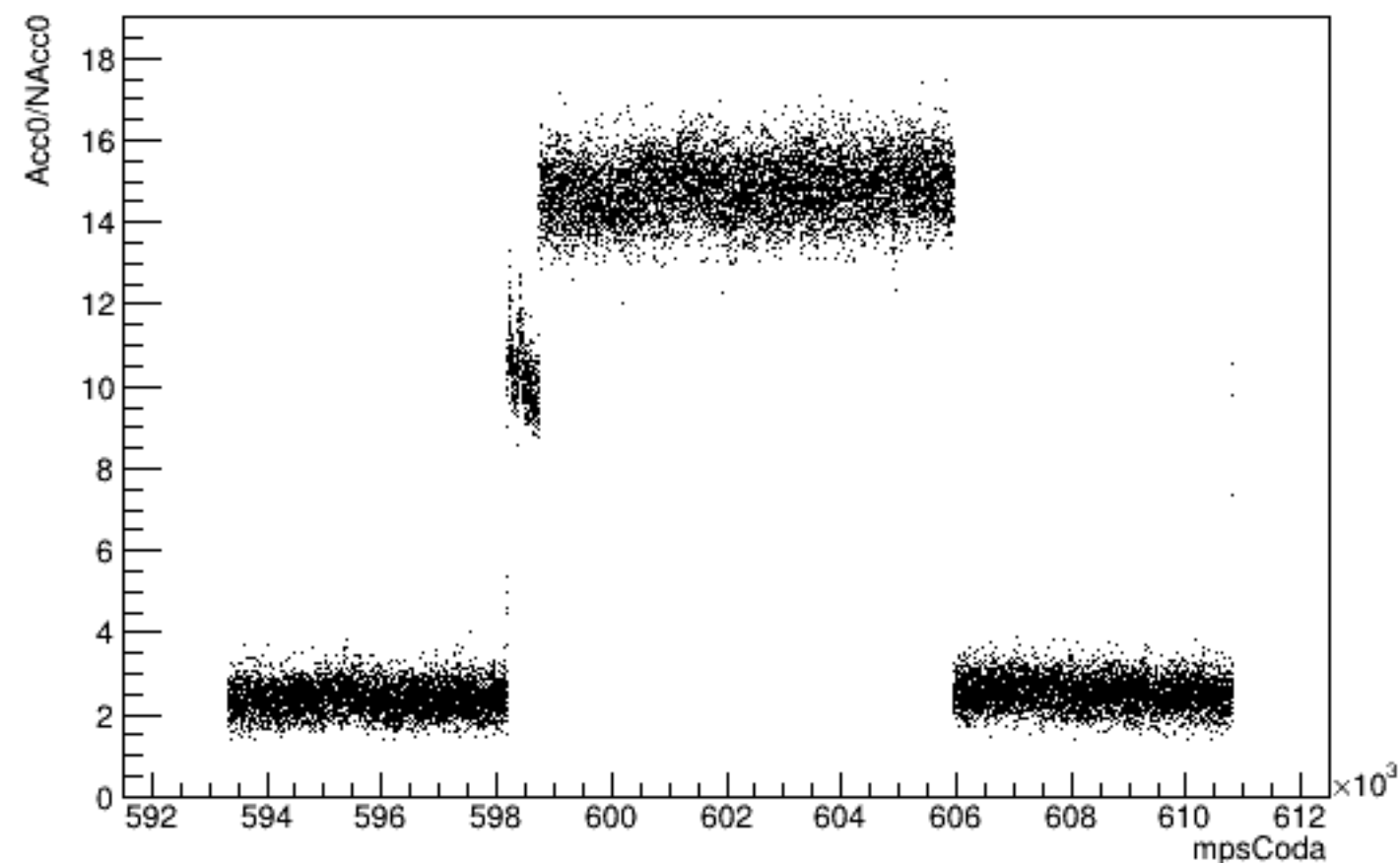
## Cycle 29, Asyms

| Entries: 1215              | Entries: 1800              | Entries: 1214              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0001 +/- 0.0004    | Mean: 0.0315 +/- 0.0005    | Mean: 0.0005 +/- 0.0004    |
| Std Dev: 0.0141 +/- 0.0003 | Std Dev: 0.0216 +/- 0.0004 | Std Dev: 0.0147 +/- 0.0003 |

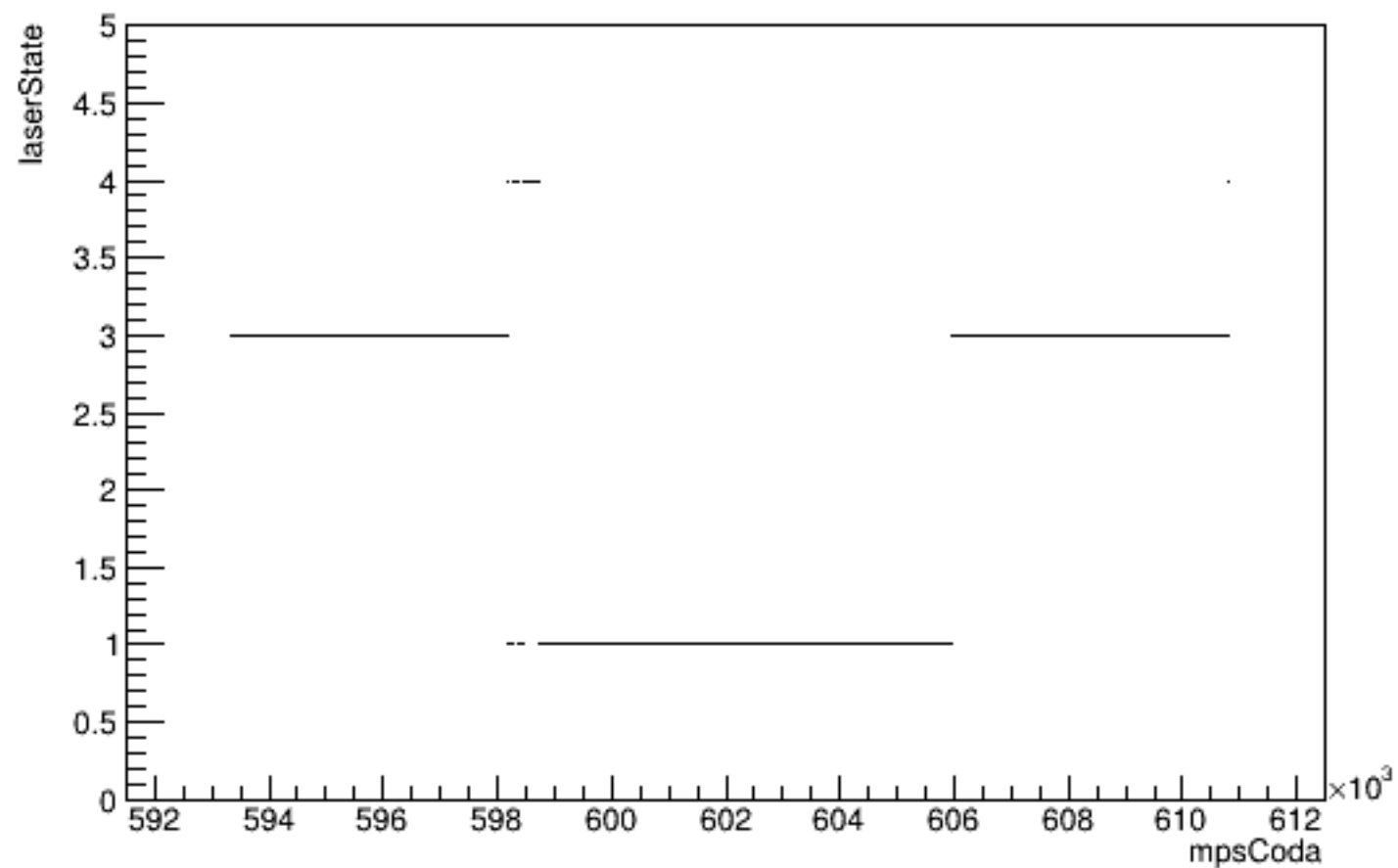
Run 5977 quartetwise, Asyms



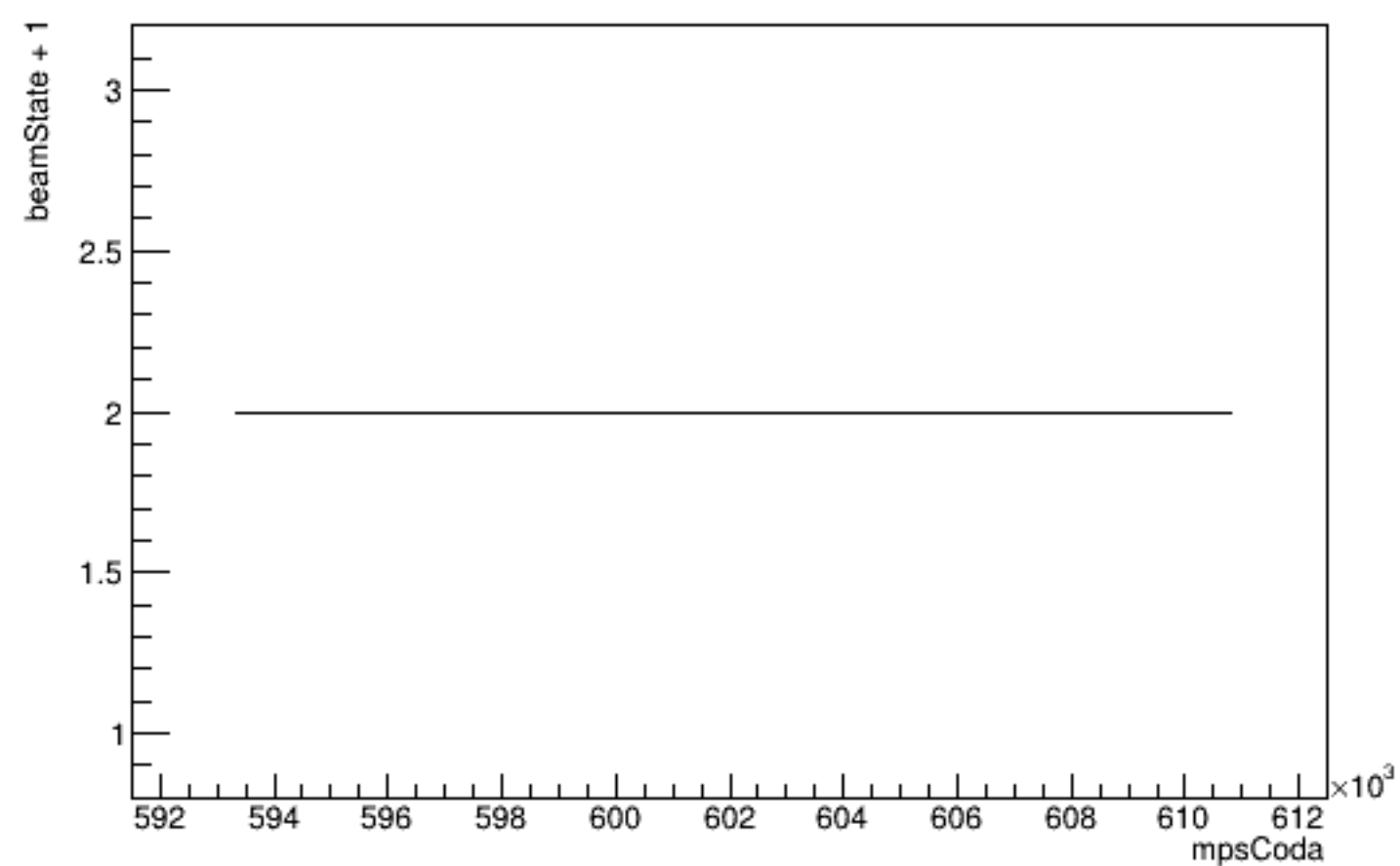
Acc0/NAcc0:mpsCoda (mpsCoda>=593327 && mpsCoda<=610810 && beamState==1)



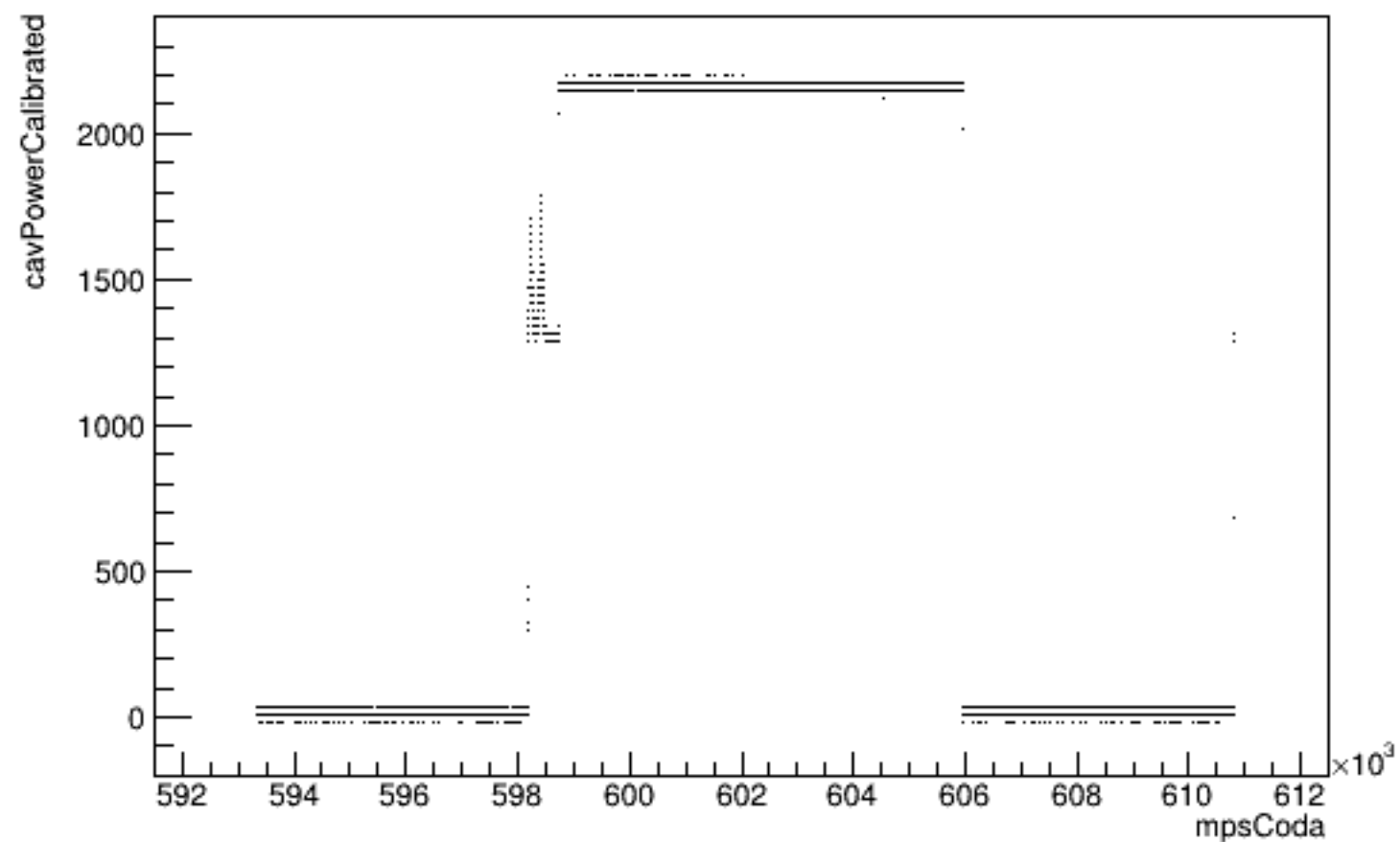
laserState:mpsCoda {mpsCoda&gt;=593327 &amp;&amp; mpsCoda&lt;=610810}



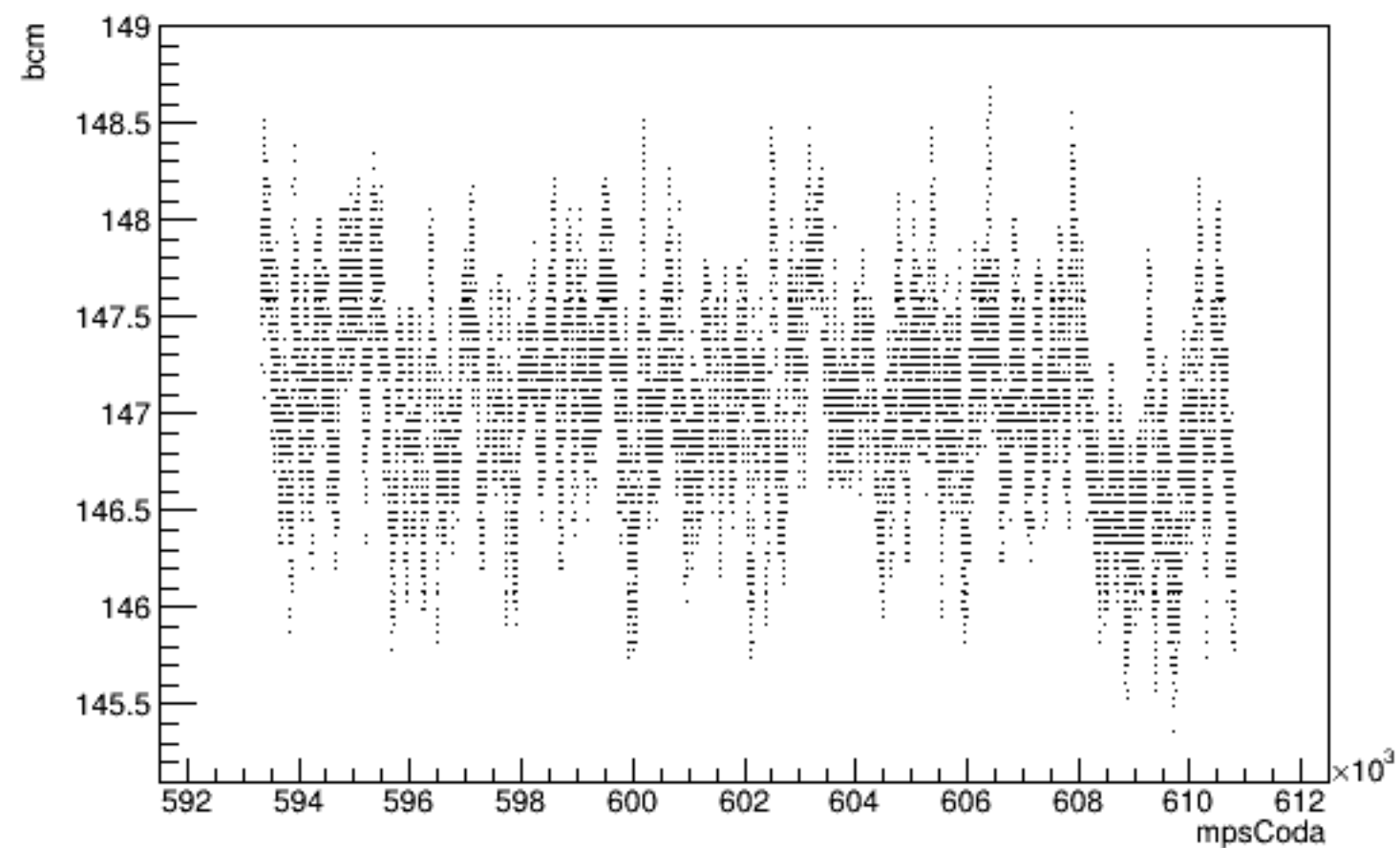
beamState + 1:mpsCoda {mpsCoda&gt;=593327 &amp;&amp; mpsCoda&lt;=610810}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=593327 &amp;&amp; mpsCoda&lt;=610810}



bcm:mpsCoda {mpsCoda&gt;=593327 &amp;&amp; mpsCoda&lt;=610810}



## Cycle 30, Diffs

Entries: 1214

Mean: 0.0133 +/- 0.0104

Std Dev: 0.3629 +/- 0.0074

Entries: 1800

Mean: 0.7879 +/- 0.0119

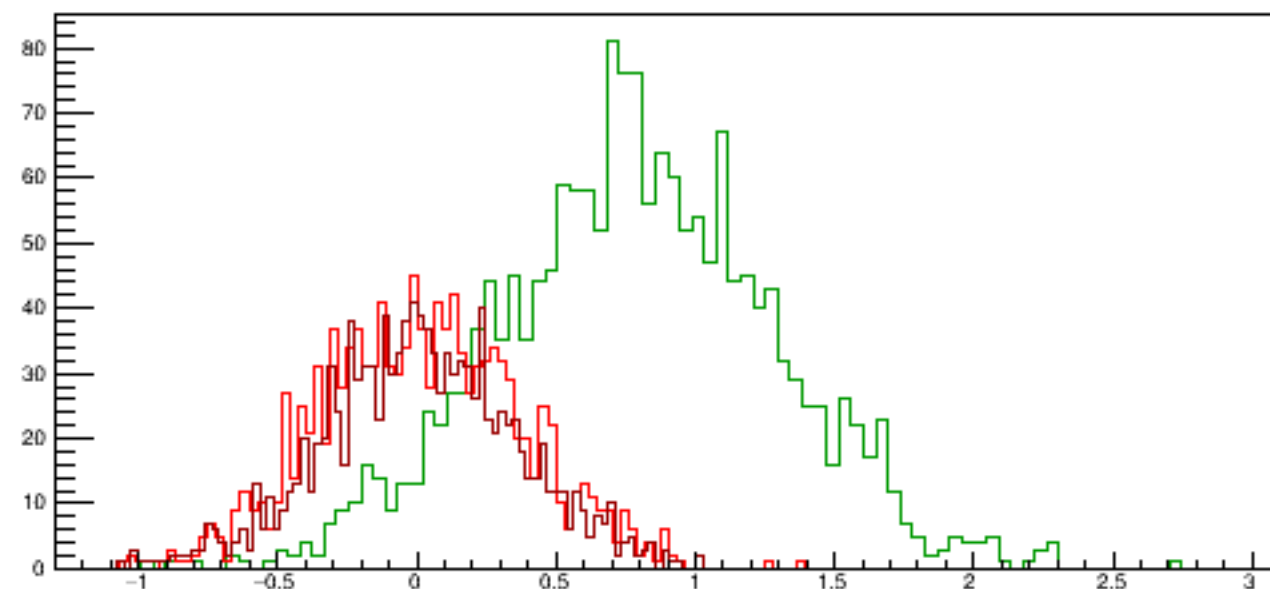
Std Dev: 0.5031 +/- 0.0084

Entries: 1224

Mean: 0.0127 +/- 0.0100

Std Dev: 0.3496 +/- 0.0071

Run 5977 quartetwise, Diffs



## Cycle 30, Sums

Entries: 1214

Mean: 5.0767 +/- 0.0112

Std Dev: 0.3897 +/- 0.0079

Entries: 1800

Mean: 29.7759 +/- 0.0164

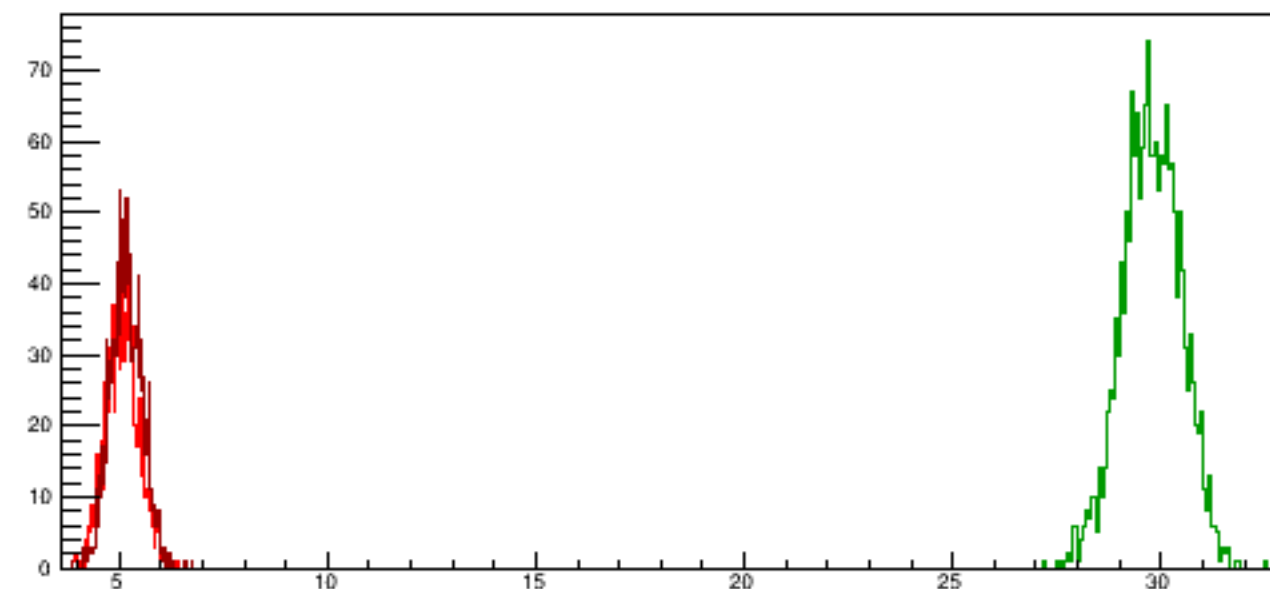
Std Dev: 0.6974 +/- 0.0116

Entries: 1224

Mean: 5.1634 +/- 0.0107

Std Dev: 0.3753 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 30, Asyms

Entries: 1214

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0147 +/- 0.0003

Entries: 1800

Mean: 0.0319 +/- 0.0005

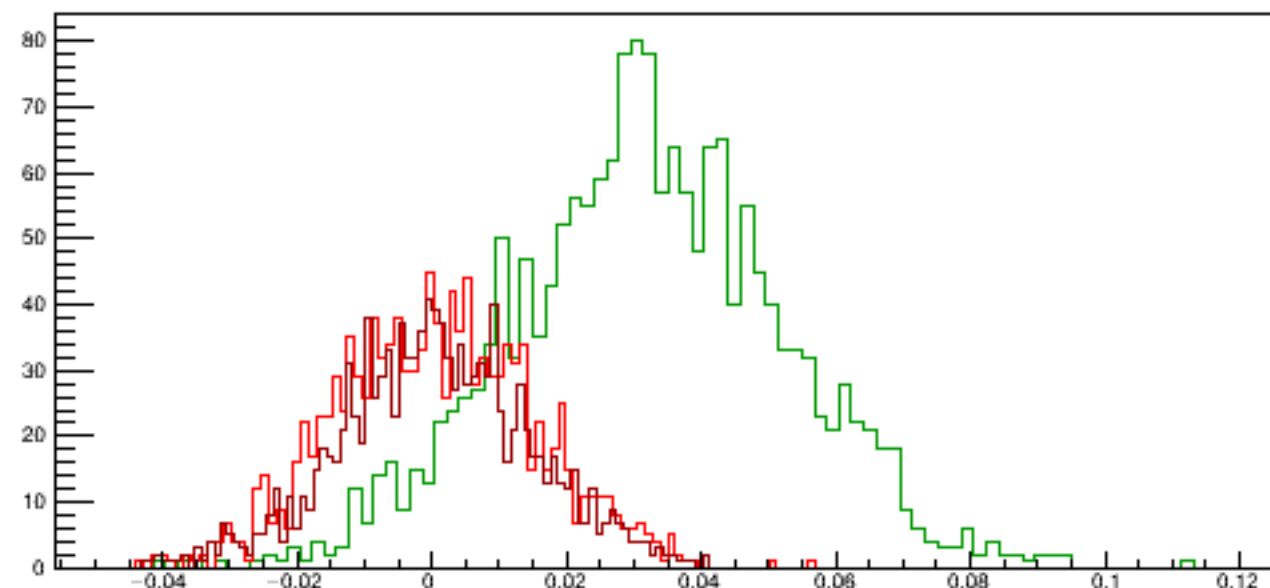
Std Dev: 0.0204 +/- 0.0003

Entries: 1224

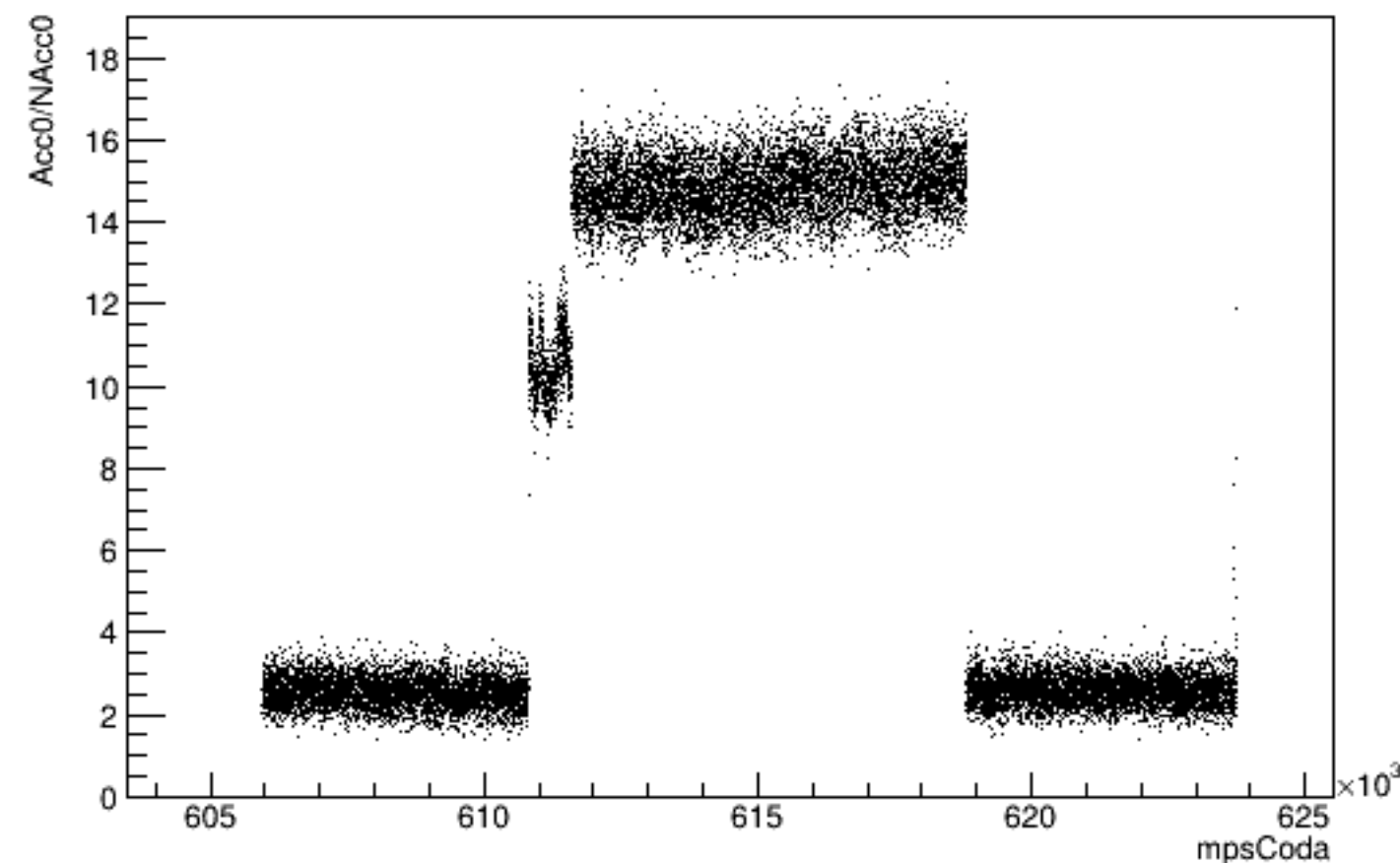
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0142 +/- 0.0003

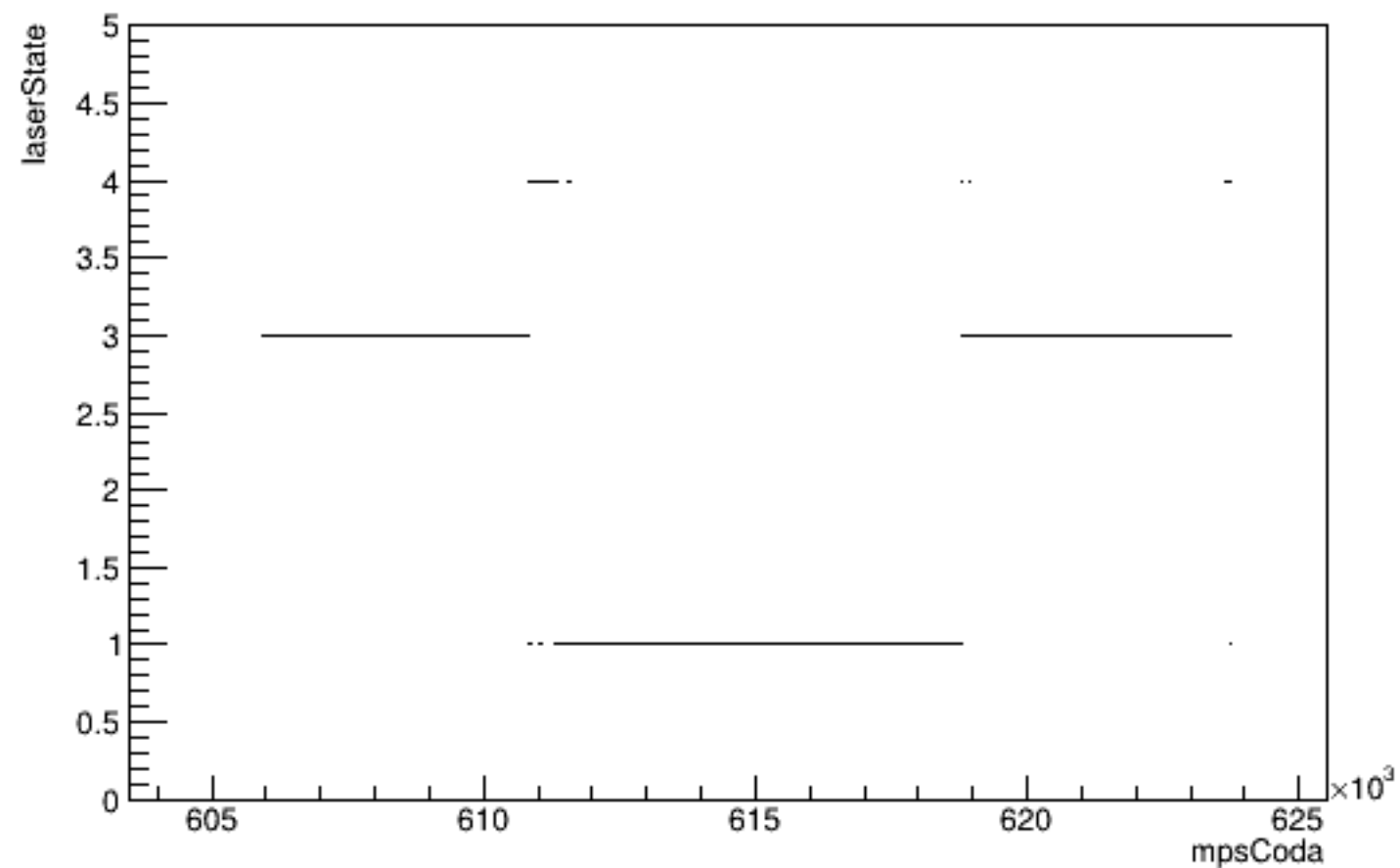
Run 5977 quartetwise, Asyms



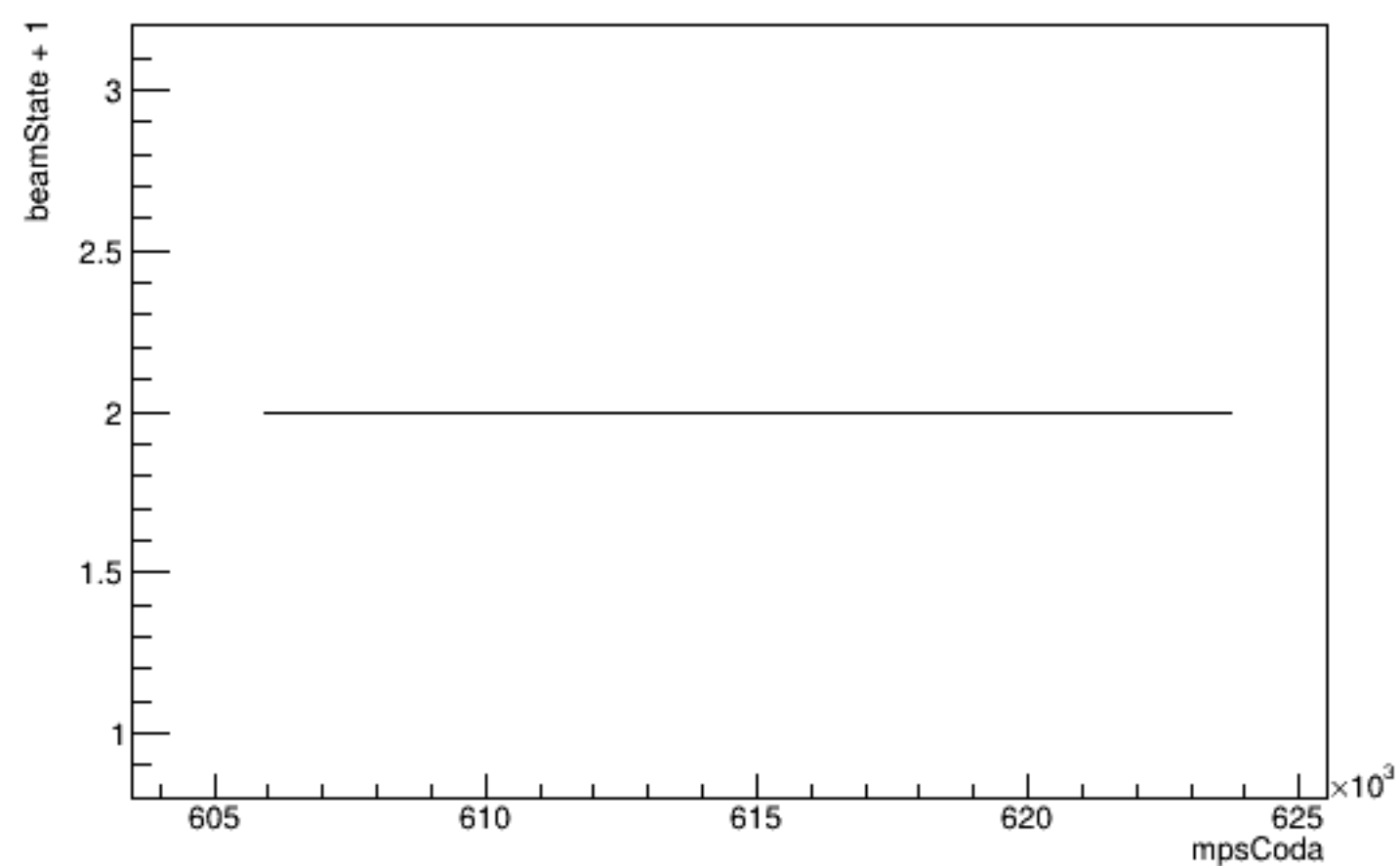
Acc0/NAcc0:mpsCoda (mpsCoda>=605951 && mpsCoda<=623746 && beamState==1)



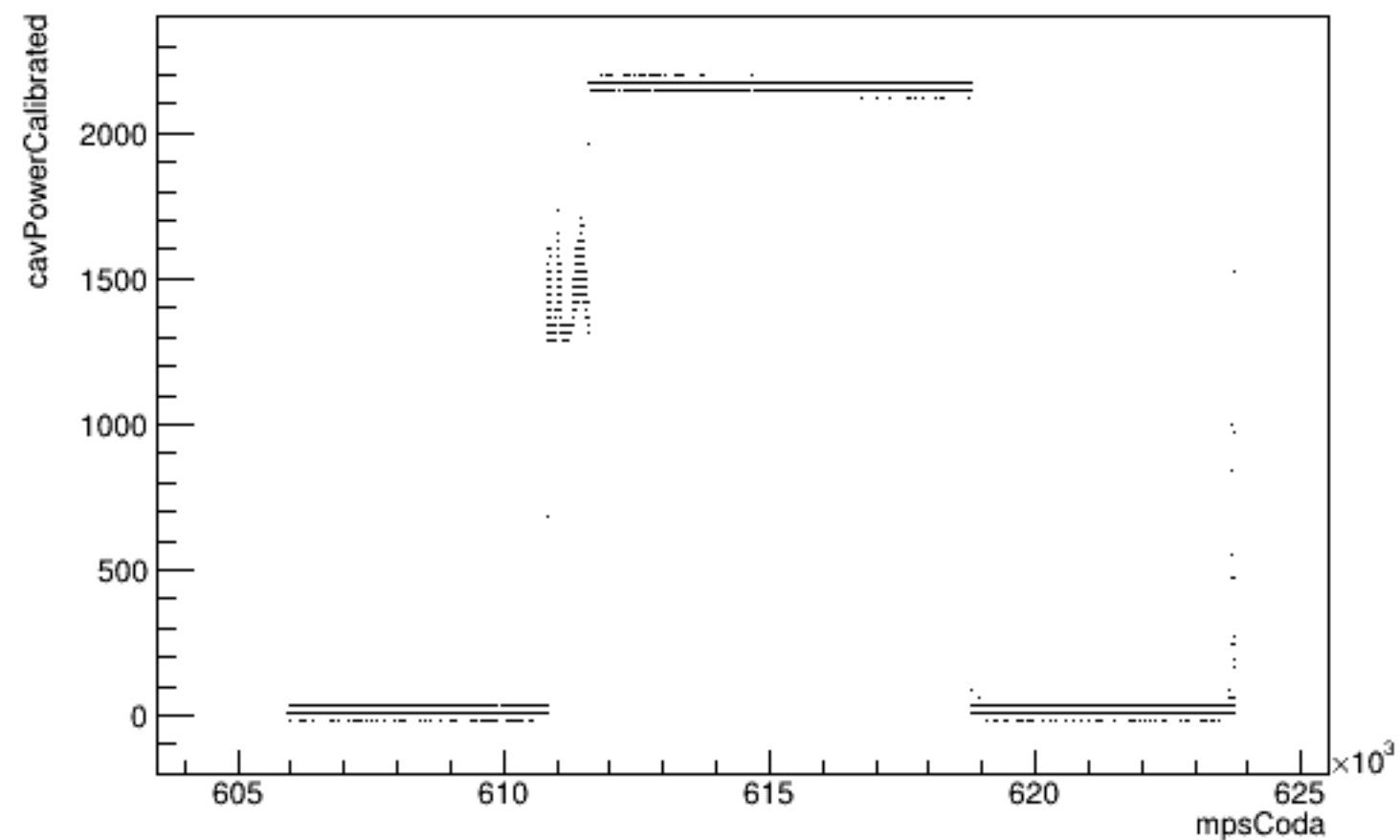
laserState:mpsCoda {mpsCoda&gt;=605951 &amp;&amp; mpsCoda&lt;=623746}



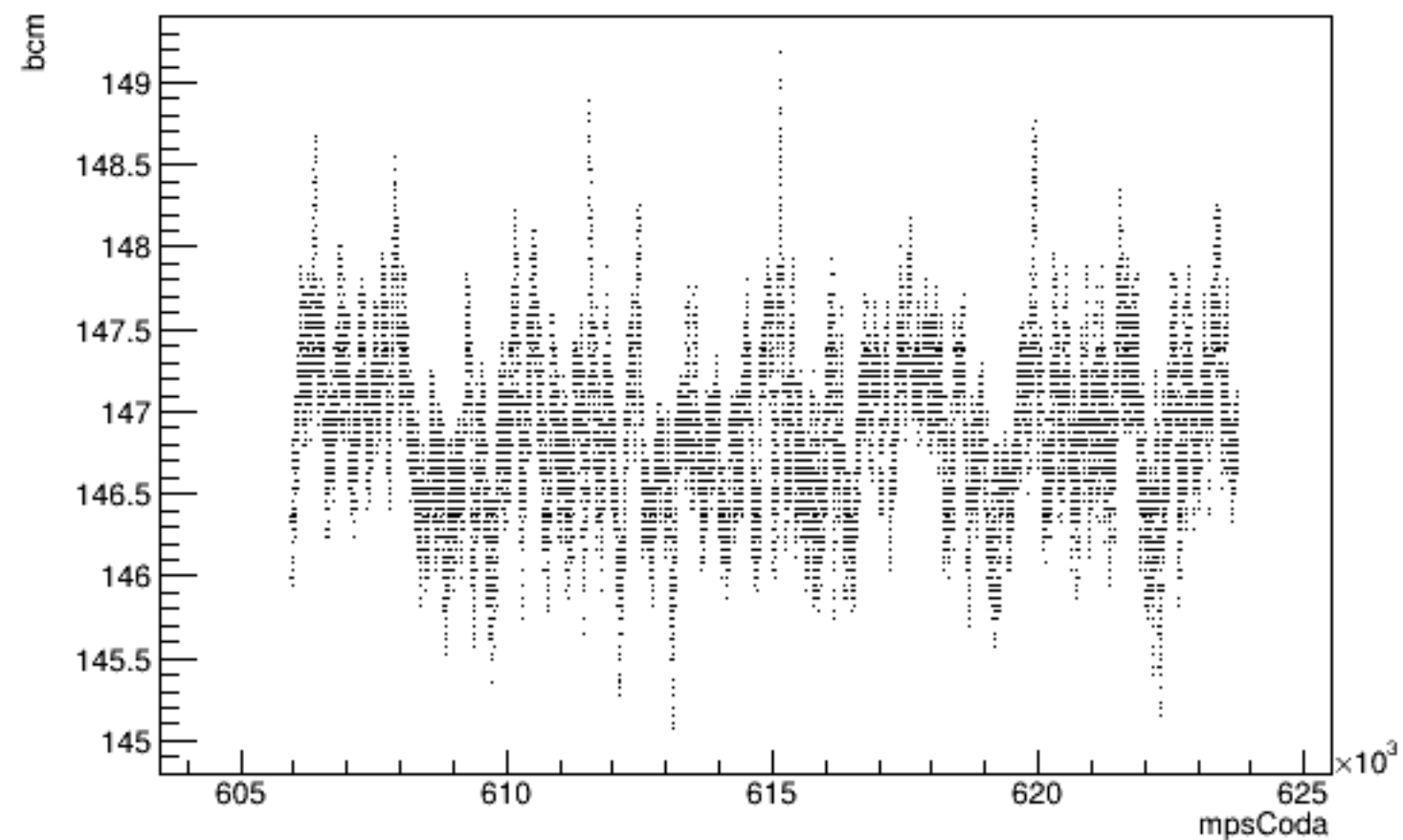
beamState + 1:mpsCoda {mpsCoda&gt;=605951 &amp;&amp; mpsCoda&lt;=623746}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=605951 &amp;&amp; mpsCoda&lt;=623746}



bcm:mpsCoda {mpsCoda&gt;=605951 &amp;&amp; mpsCoda&lt;=623746}



## Cycle 31, Diffs

Entries: 1222

Mean: 0.0110 +/- 0.0103

Std Dev: 0.3589 +/- 0.0073

Entries: 1932

Mean: 0.7838 +/- 0.0119

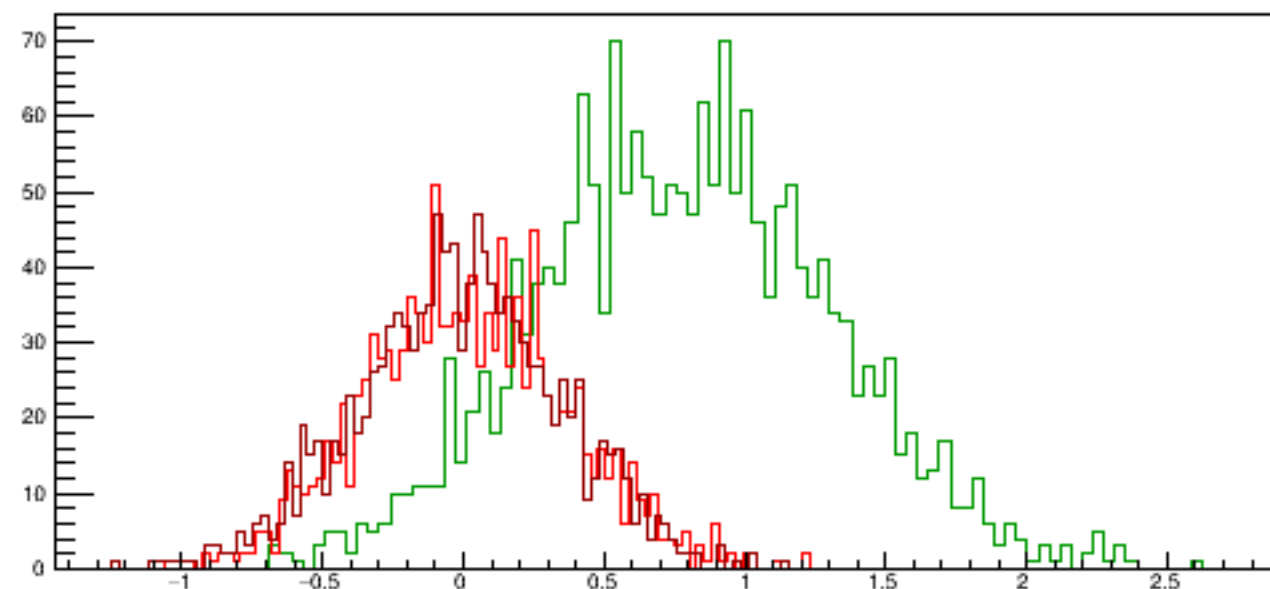
Std Dev: 0.5222 +/- 0.0084

Entries: 1228

Mean: -0.0143 +/- 0.0102

Std Dev: 0.3565 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 31, Sums

Entries: 1222

Mean: 5.1194 +/- 0.0106

Std Dev: 0.3722 +/- 0.0075

Entries: 1932

Mean: 29.4582 +/- 0.0421

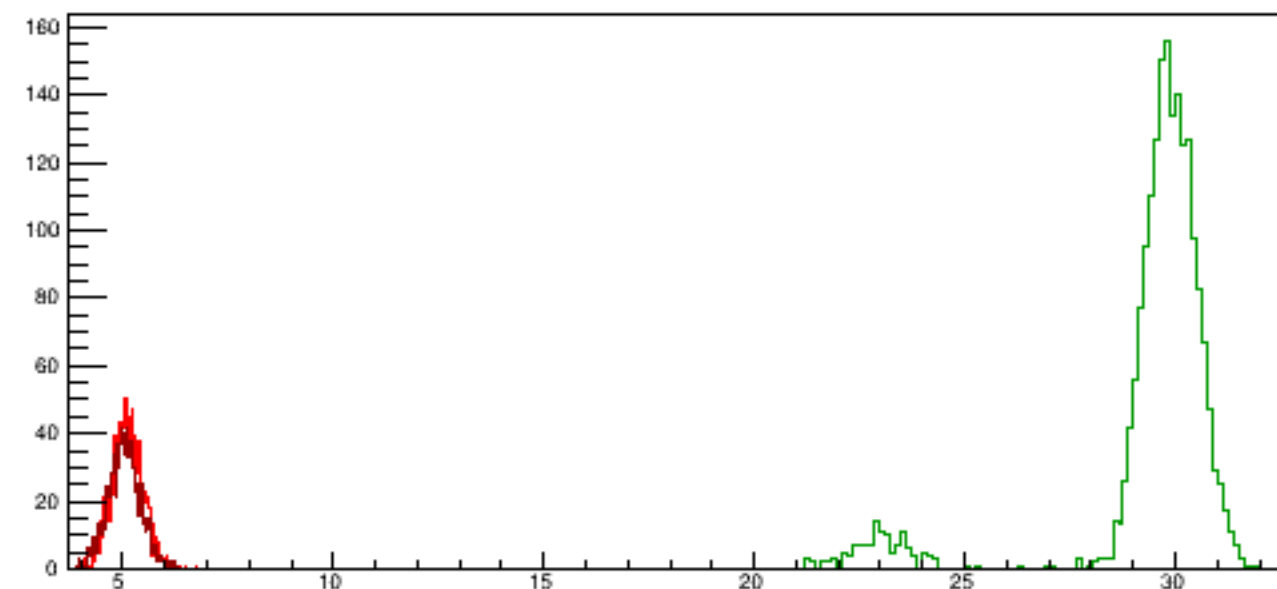
Std Dev: 1.8494 +/- 0.0298

Entries: 1228

Mean: 5.0387 +/- 0.0108

Std Dev: 0.3790 +/- 0.0076

Run 5977 quartetwise, Sums



## Cycle 31, Asyms

Entries: 1222

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0147 +/- 0.0003

Entries: 1932

Mean: 0.0321 +/- 0.0005

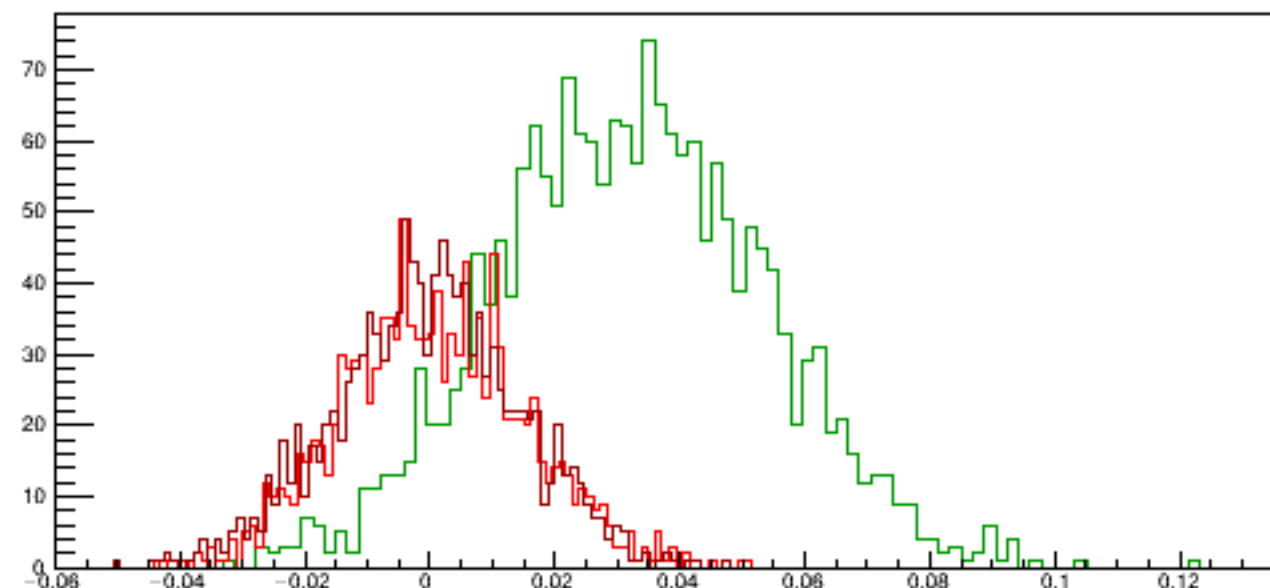
Std Dev: 0.0215 +/- 0.0003

Entries: 1228

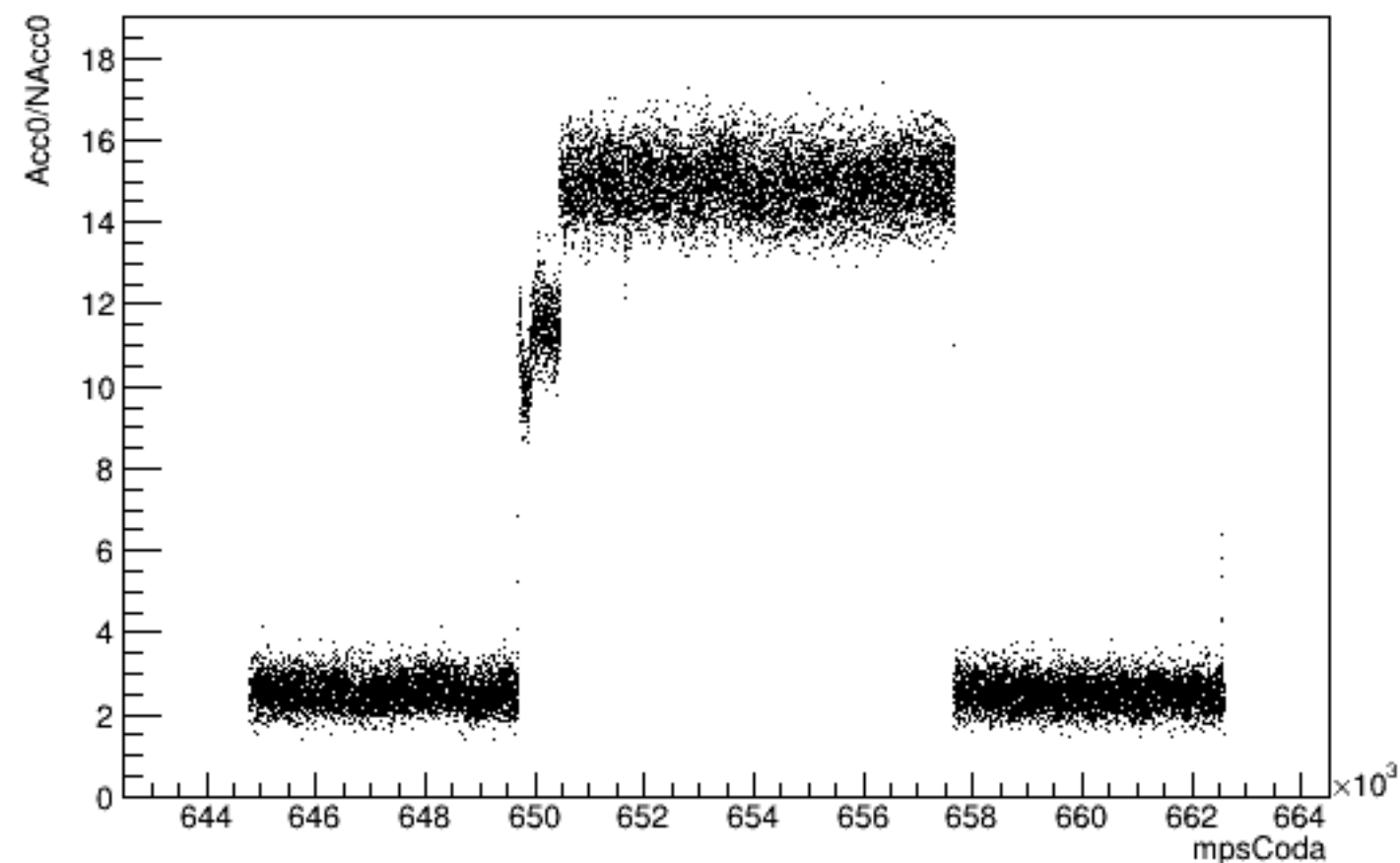
Mean: -0.0006 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

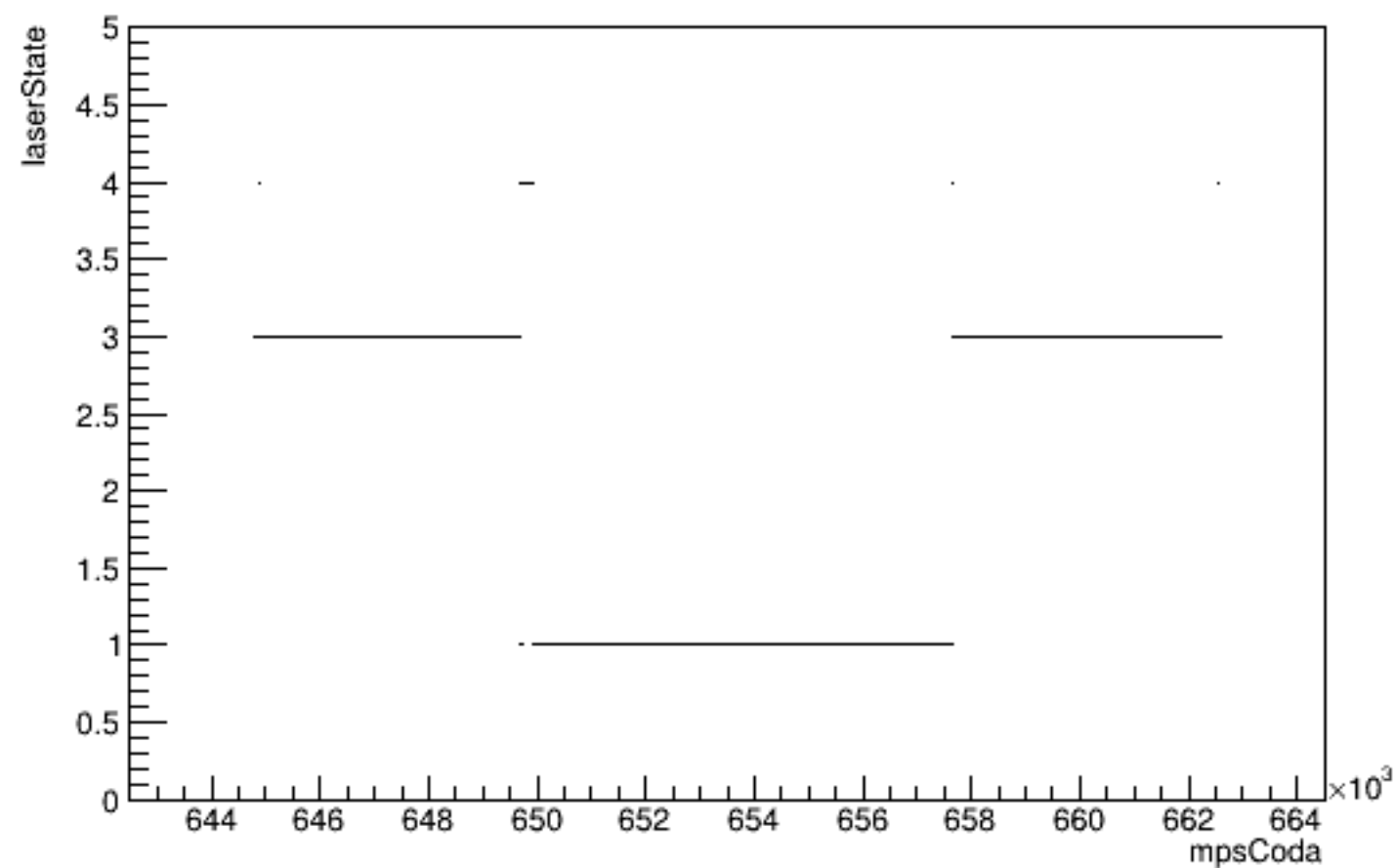
Run 5977 quartetwise, Asyms



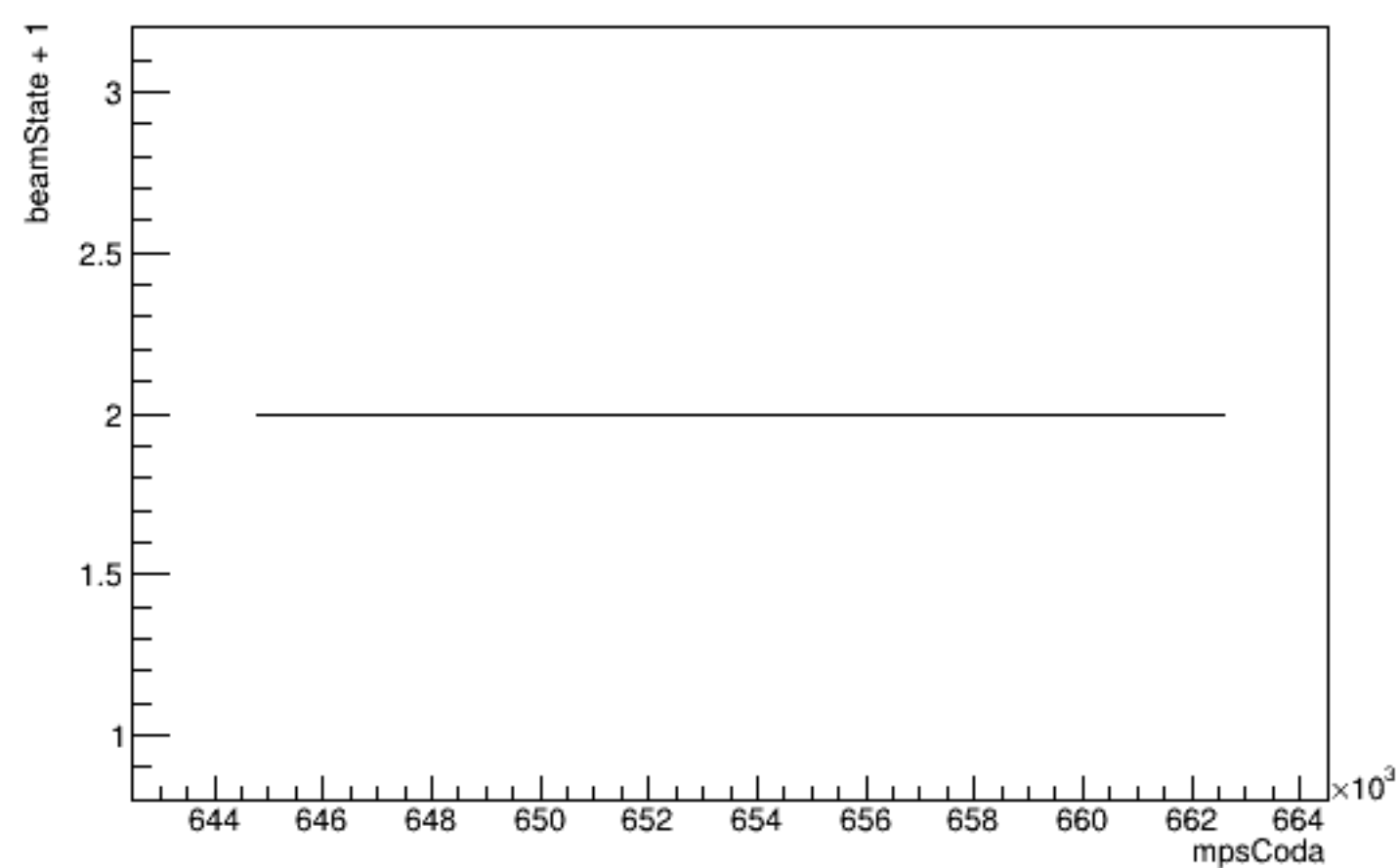
Acc0/NAcc0:mpsCoda (mpsCoda>=644799 && mpsCoda<=662590 && beamState==1)



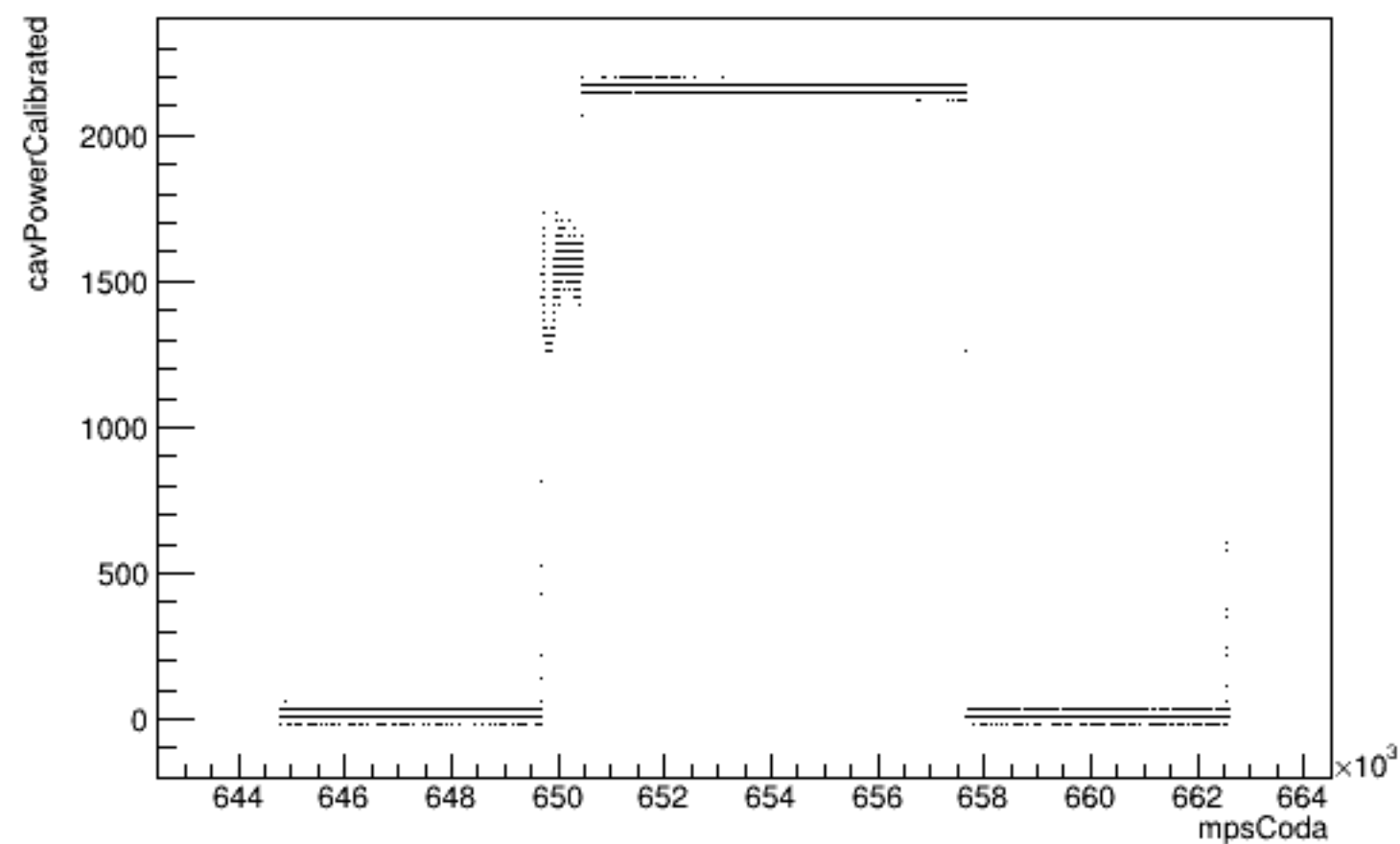
laserState:mpsCoda {mpsCoda&gt;=644799 &amp;&amp; mpsCoda&lt;=662590}



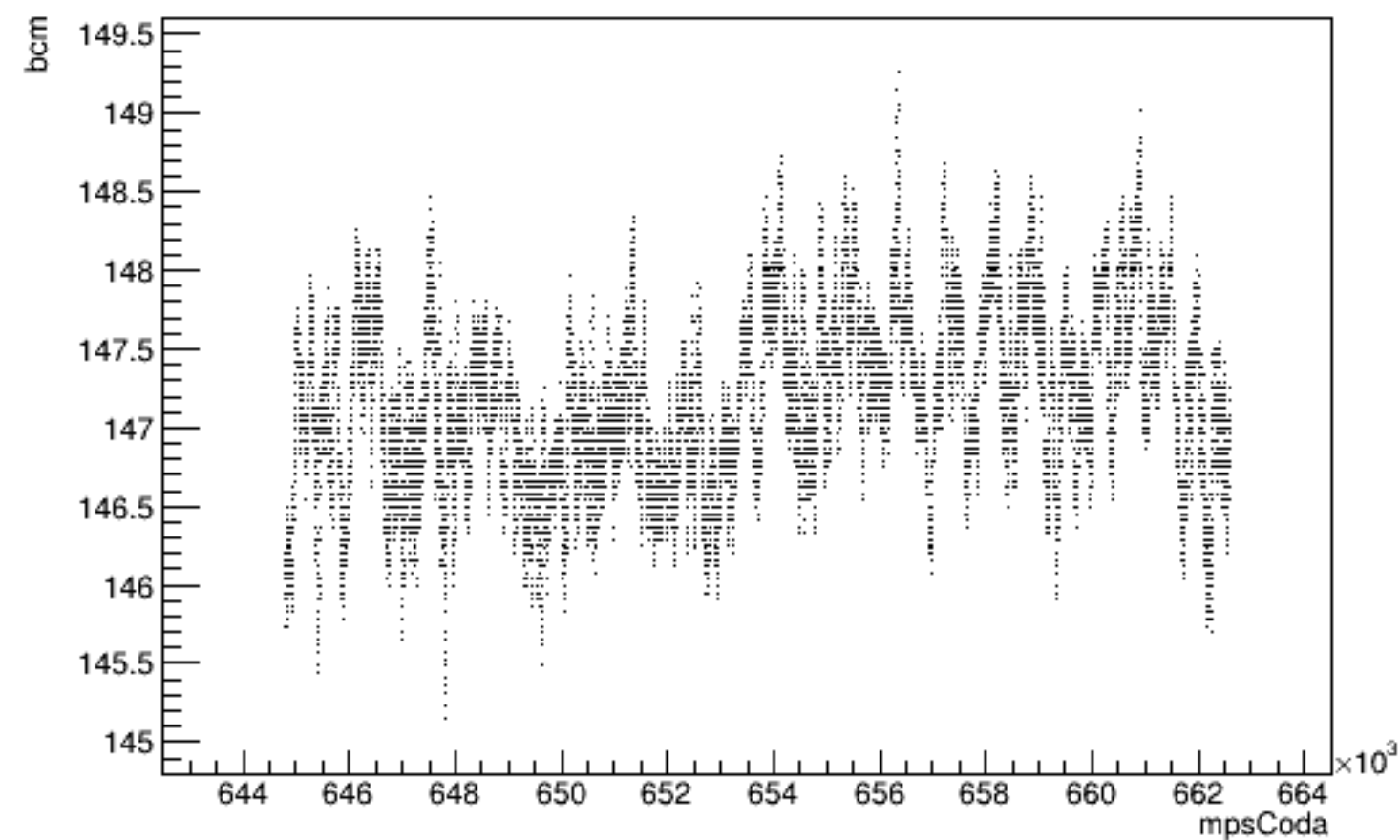
beamState + 1:mpsCoda {mpsCoda&gt;=644799 &amp;&amp; mpsCoda&lt;=662590}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=644799 &amp;&amp; mpsCoda&lt;=662590}



bcm:mpsCoda {mpsCoda&gt;=644799 &amp;&amp; mpsCoda&lt;=662590}



## Cycle 32, Diffs

Entries: 1863

Mean: -0.0029 +/- 0.0080

Std Dev: 0.3454 +/- 0.0057

Entries: 1802

Mean: 0.7811 +/- 0.0118

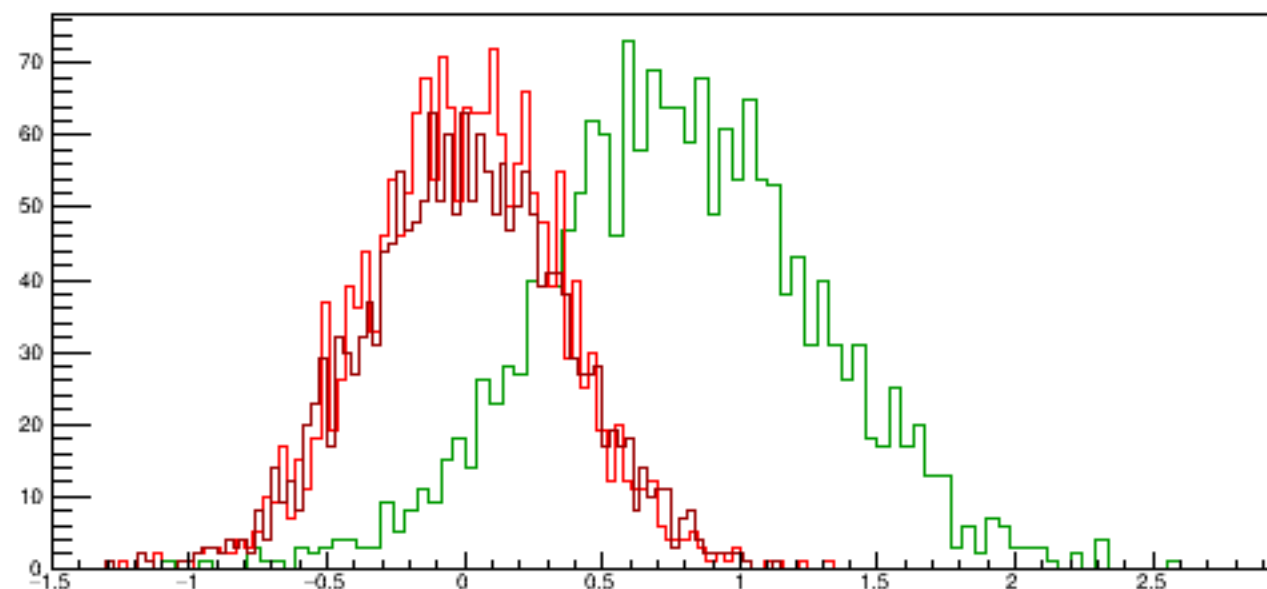
Std Dev: 0.5029 +/- 0.0084

Entries: 1839

Mean: 0.0030 +/- 0.0085

Std Dev: 0.3624 +/- 0.0060

Run 5977 quartetwise, Diffs



## Cycle 32, Sums

Entries: 1863

Mean: 5.0758 +/- 0.0086

Std Dev: 0.3724 +/- 0.0061

Entries: 1802

Mean: 29.8728 +/- 0.0152

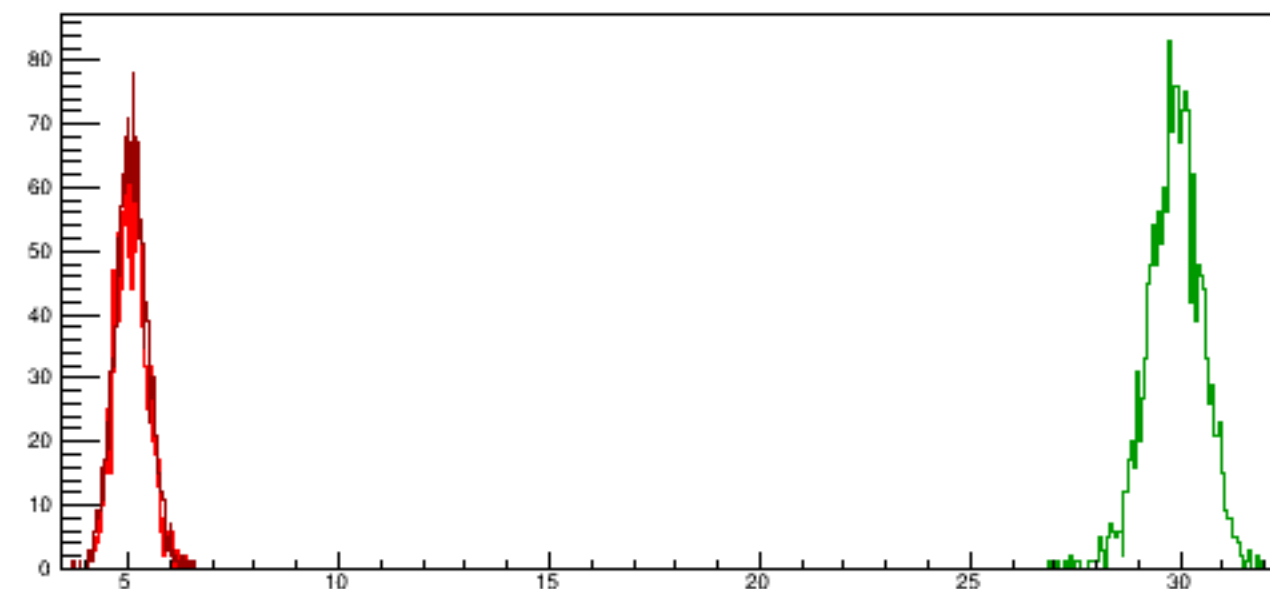
Std Dev: 0.6472 +/- 0.0108

Entries: 1839

Mean: 5.0745 +/- 0.0090

Std Dev: 0.3839 +/- 0.0063

Run 5977 quartetwise, Sums



## Cycle 32, Asyms

Entries: 1863

Mean: -0.0001 +/- 0.0003

Std Dev: 0.0139 +/- 0.0002

Entries: 1802

Mean: 0.0315 +/- 0.0005

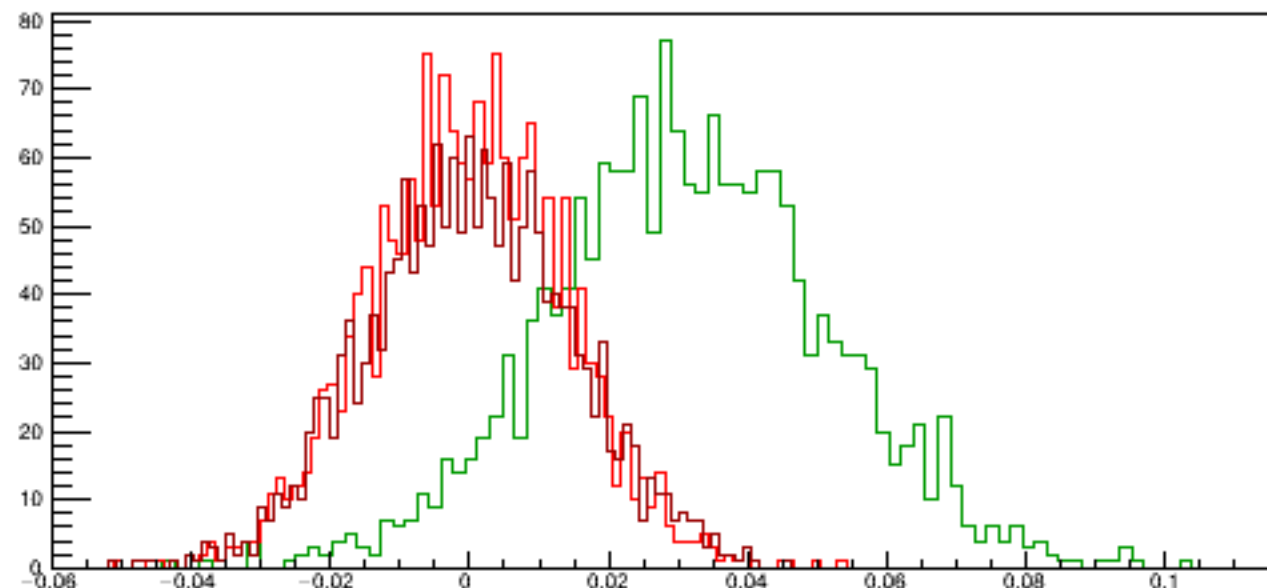
Std Dev: 0.0203 +/- 0.0003

Entries: 1839

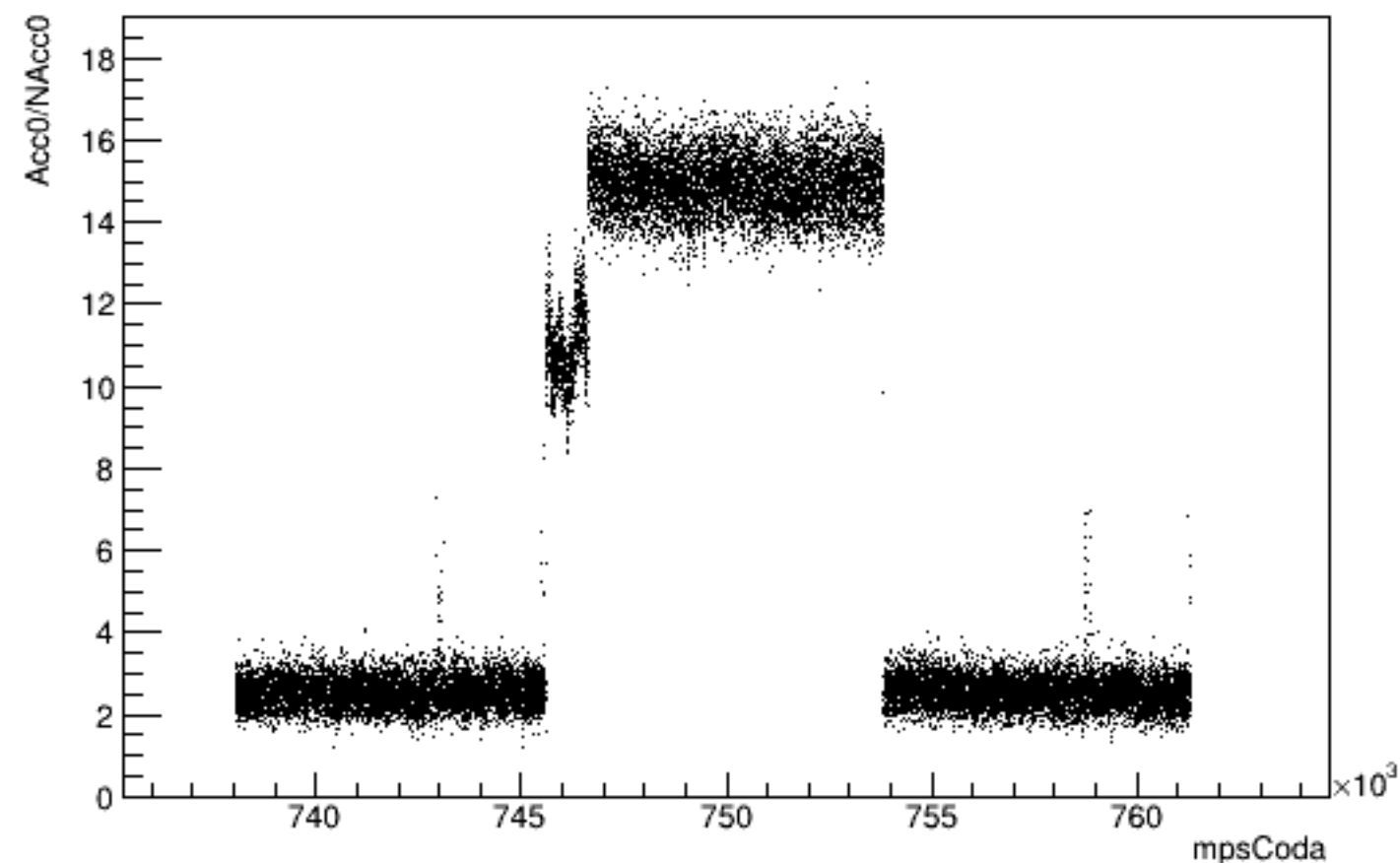
Mean: 0.0001 +/- 0.0003

Std Dev: 0.0146 +/- 0.0002

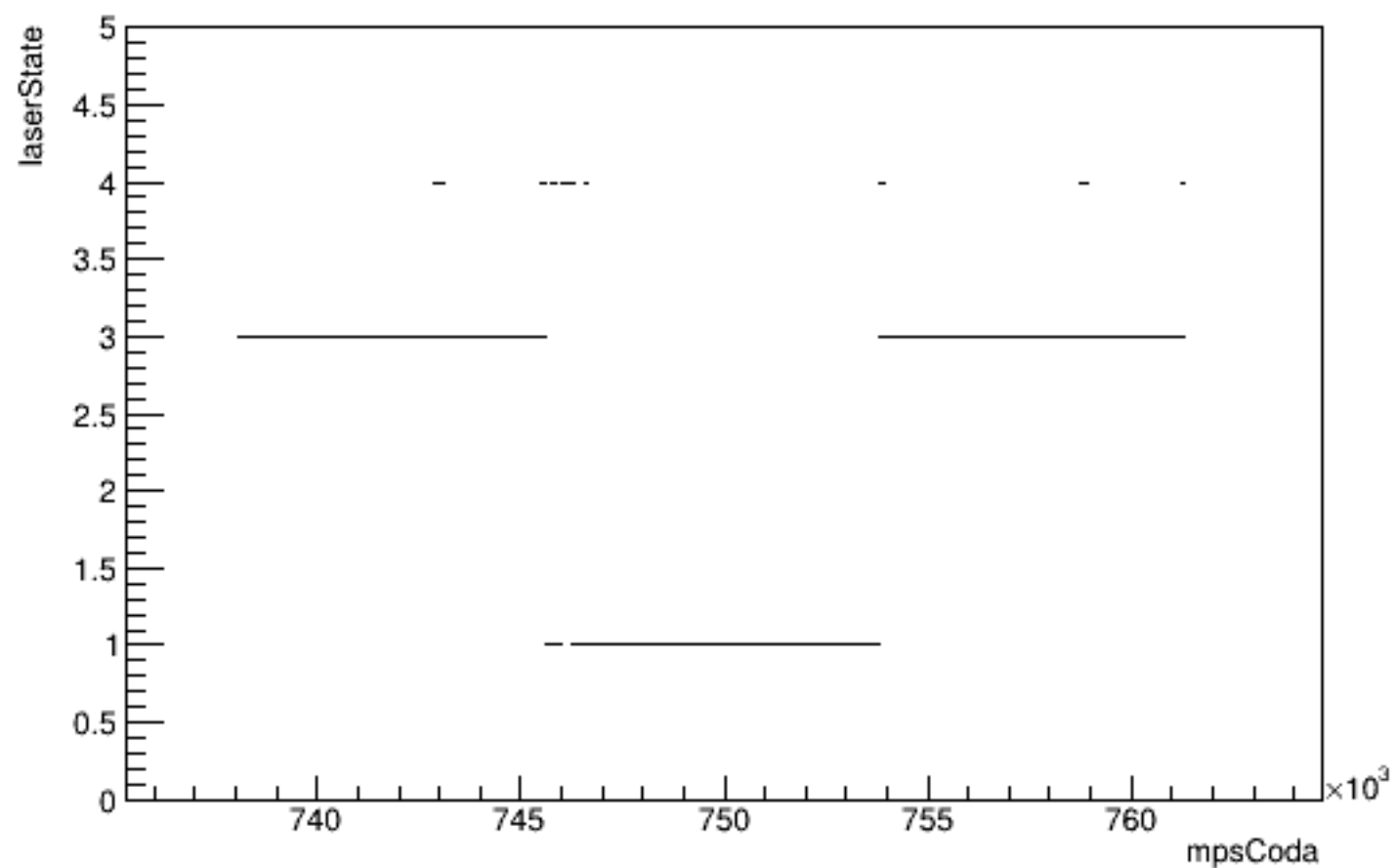
Run 5977 quartetwise, Asyms



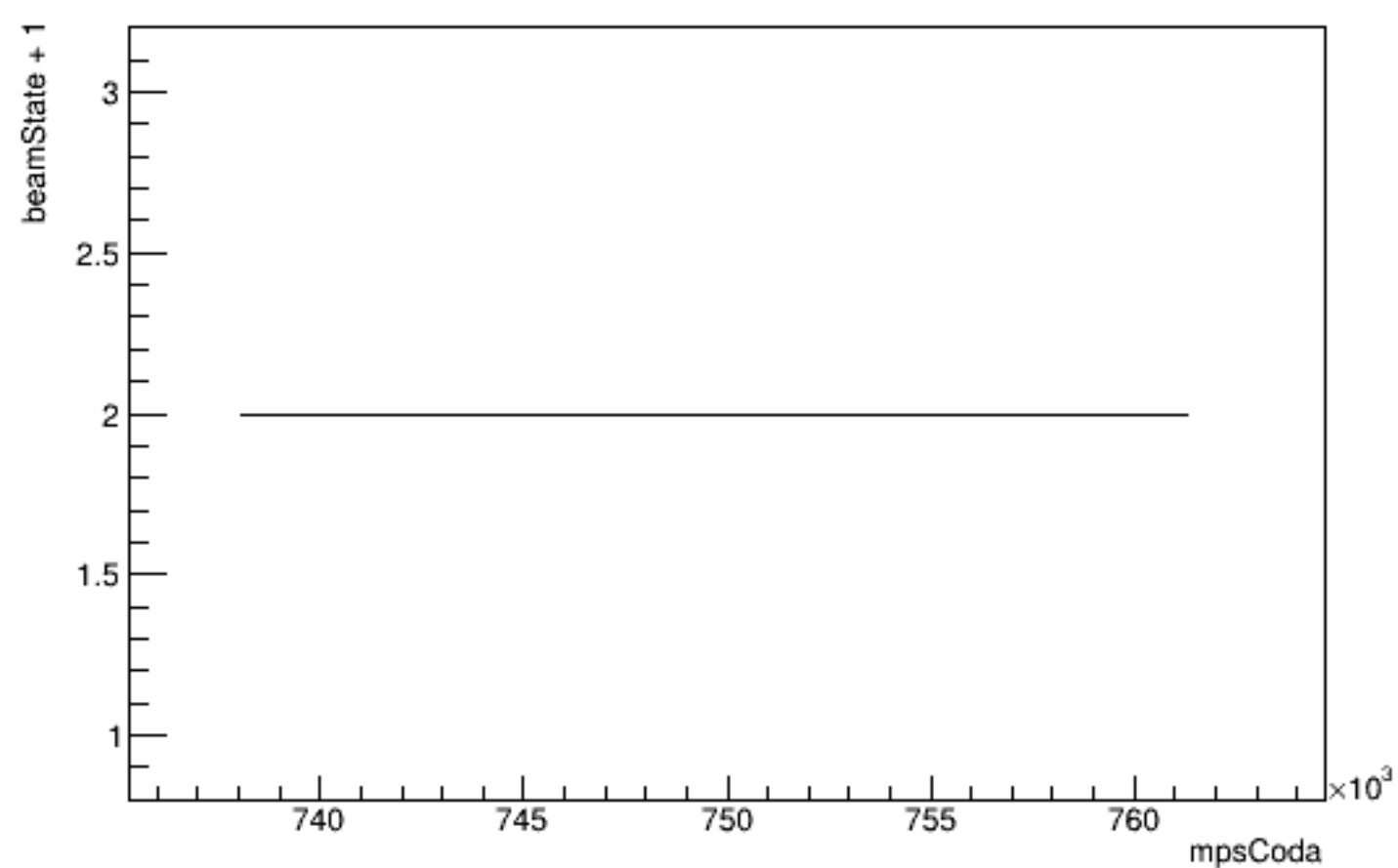
Acc0/NAcc0:mpsCoda (mpsCoda>=738039 && mpsCoda<=761310 && beamState==1)



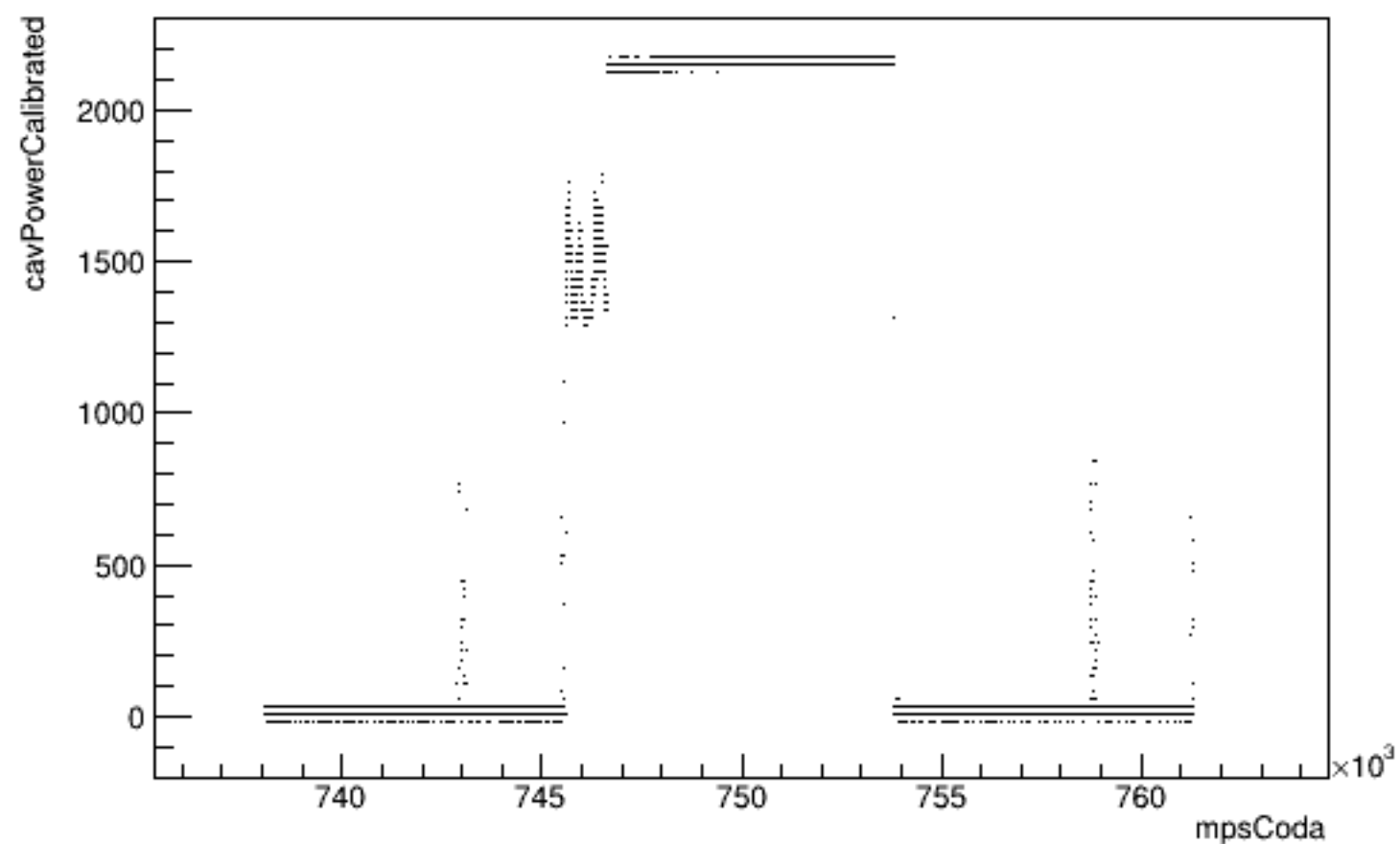
laserState:mpsCoda {mpsCoda&gt;=738039 &amp;&amp; mpsCoda&lt;=761310}



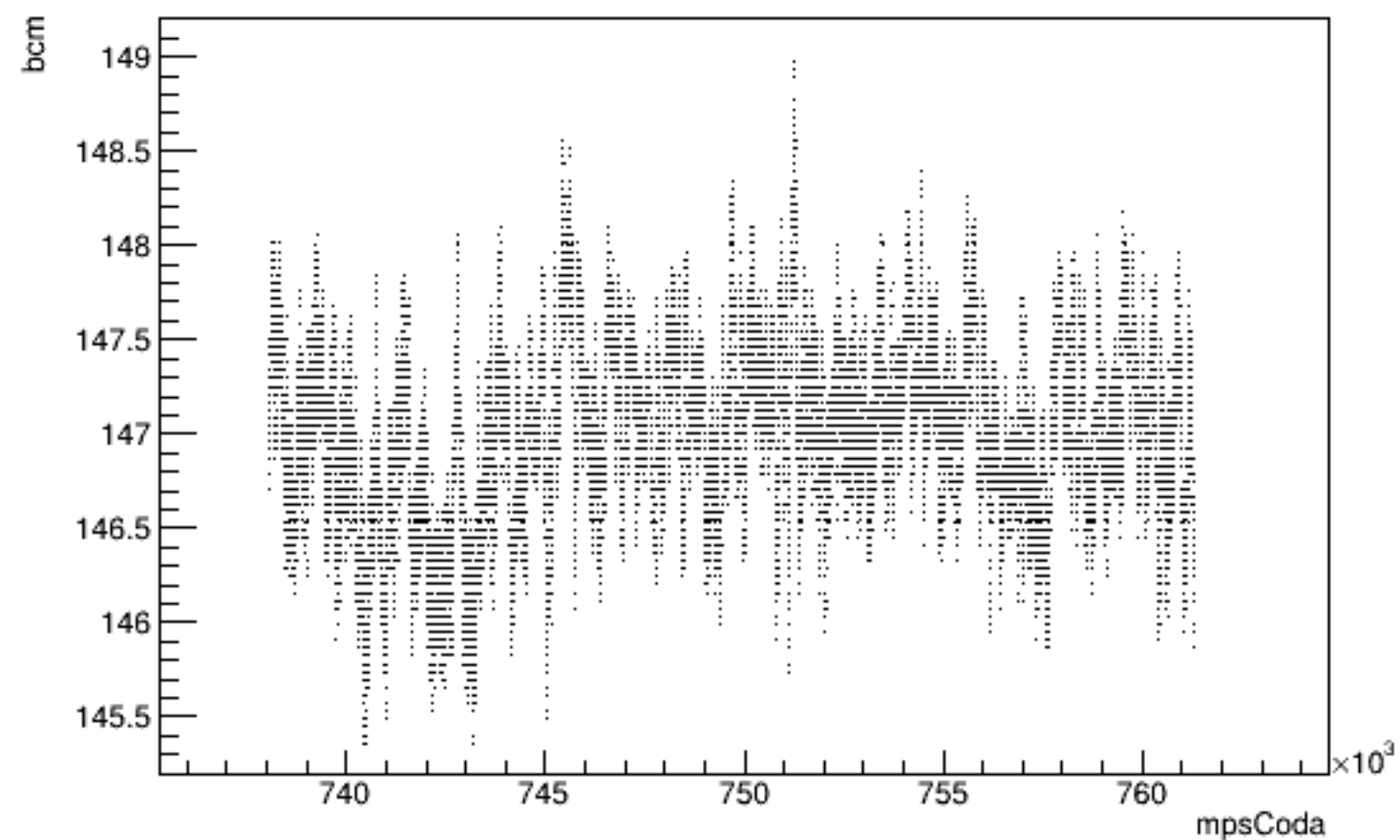
beamState + 1:mpsCoda {mpsCoda&gt;=738039 &amp;&amp; mpsCoda&lt;=761310}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=738039 &amp;&amp; mpsCoda&lt;=761310}



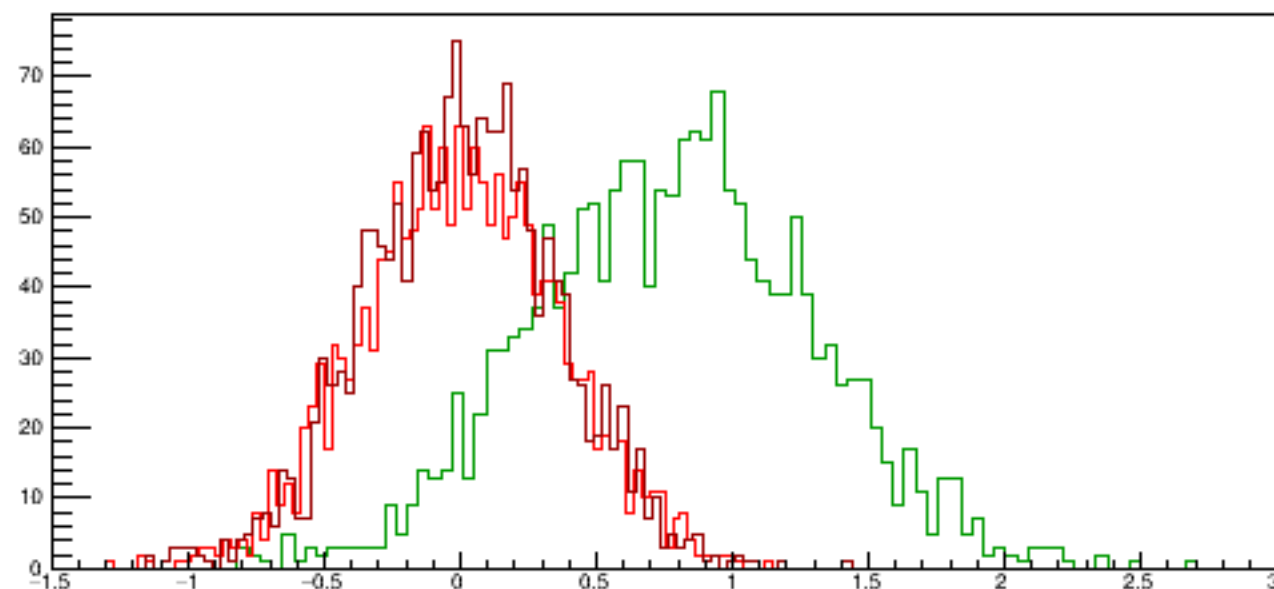
bcm:mpsCoda {mpsCoda&gt;=738039 &amp;&amp; mpsCoda&lt;=761310}



## Cycle 33, Diffs

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Entries: 1839</b>              | <b>Entries: 1800</b>              | <b>Entries: 1841</b>              |
| <b>Mean: 0.0030 +/- 0.0085</b>    | <b>Mean: 0.7806 +/- 0.0122</b>    | <b>Mean: 0.0070 +/- 0.0082</b>    |
| <b>Std Dev: 0.3624 +/- 0.0060</b> | <b>Std Dev: 0.5169 +/- 0.0086</b> | <b>Std Dev: 0.3518 +/- 0.0058</b> |

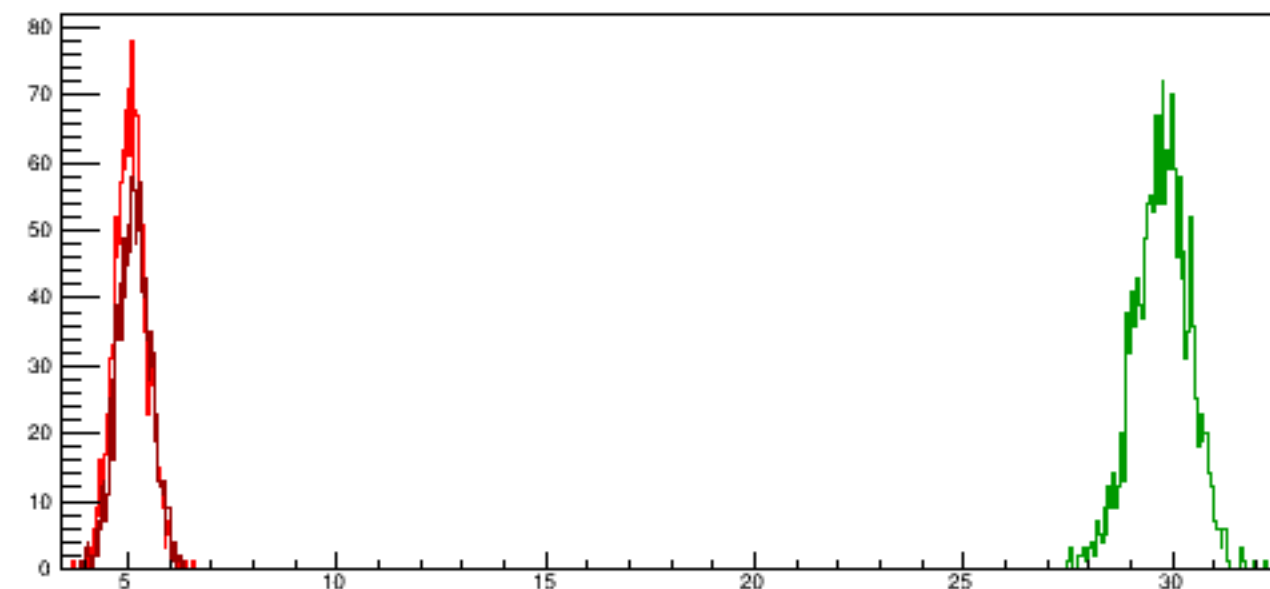
Run 5977 quartetwise, Diffs



## Cycle 33, Sums

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Entries: 1839</b>              | <b>Entries: 1800</b>              | <b>Entries: 1841</b>              |
| <b>Mean: 5.0745 +/- 0.0090</b>    | <b>Mean: 29.7289 +/- 0.0155</b>   | <b>Mean: 5.1424 +/- 0.0092</b>    |
| <b>Std Dev: 0.3839 +/- 0.0063</b> | <b>Std Dev: 0.6575 +/- 0.0110</b> | <b>Std Dev: 0.3948 +/- 0.0065</b> |

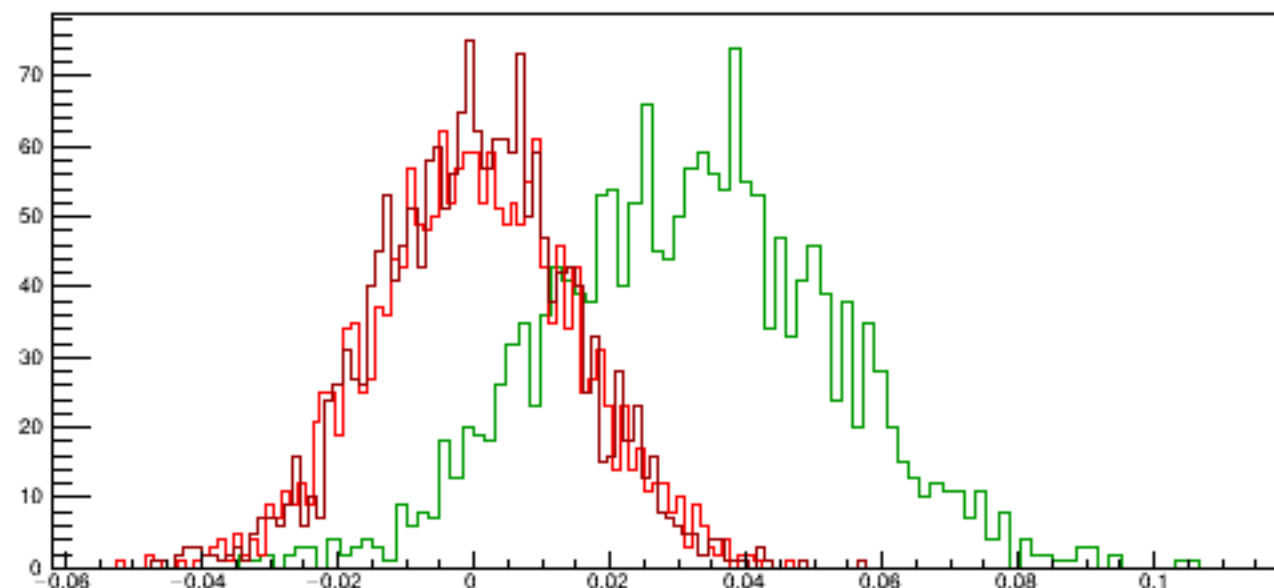
Run 5977 quartetwise, Sums



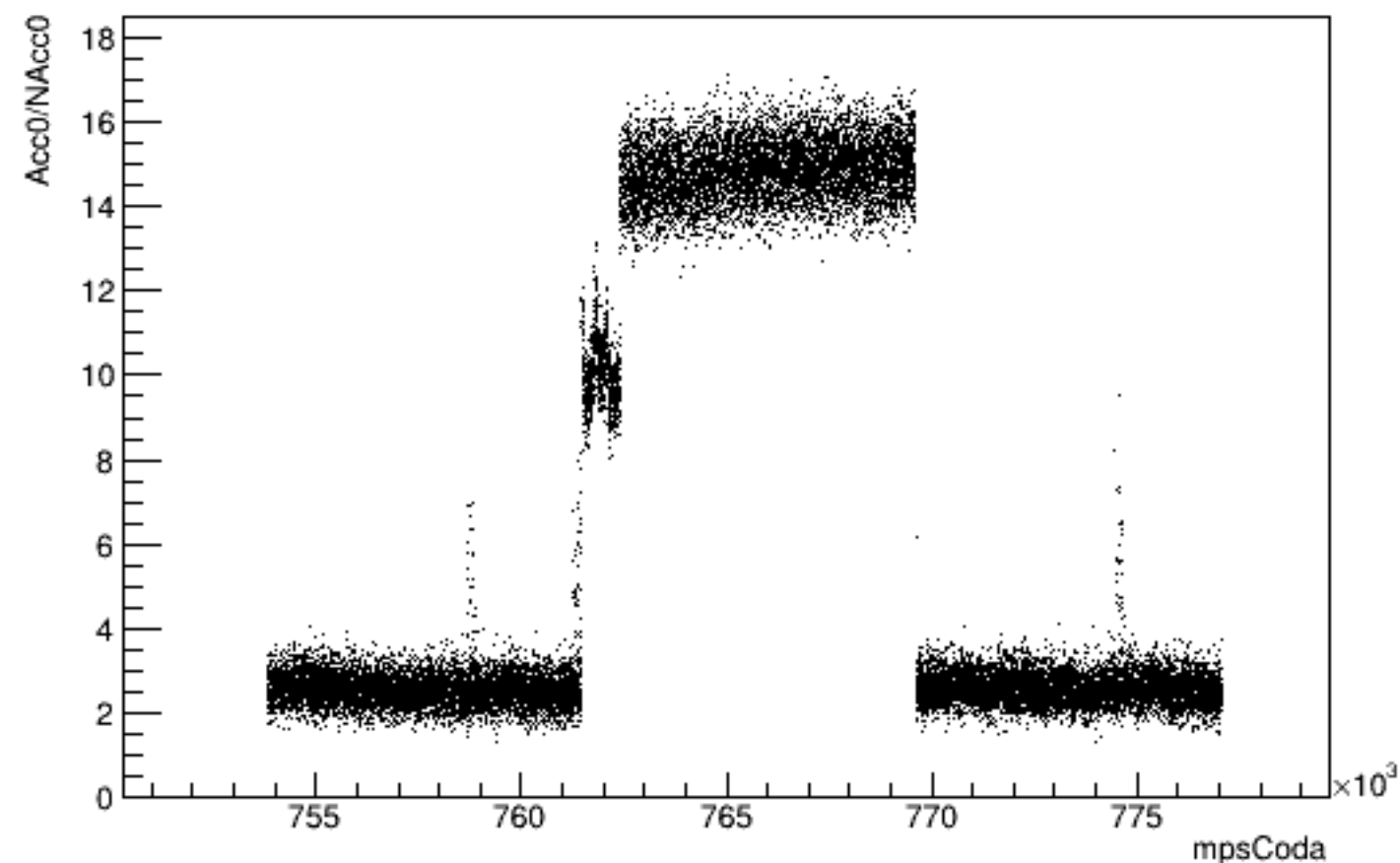
## Cycle 33, Asyms

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Entries: 1839</b>              | <b>Entries: 1800</b>              | <b>Entries: 1841</b>              |
| <b>Mean: 0.0001 +/- 0.0003</b>    | <b>Mean: 0.0317 +/- 0.0005</b>    | <b>Mean: 0.0003 +/- 0.0003</b>    |
| <b>Std Dev: 0.0147 +/- 0.0002</b> | <b>Std Dev: 0.0210 +/- 0.0003</b> | <b>Std Dev: 0.0143 +/- 0.0002</b> |

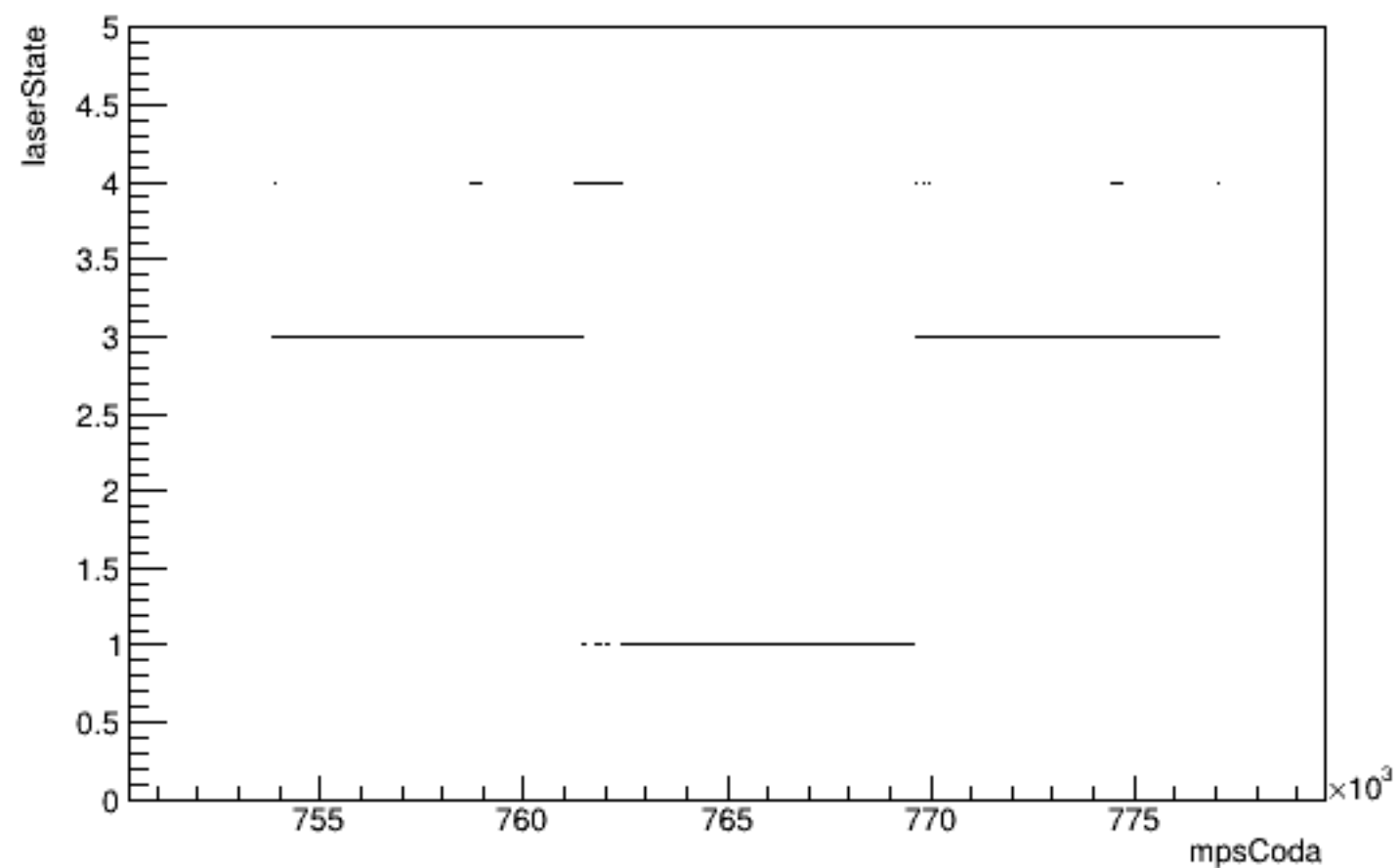
Run 5977 quartetwise, Asyms



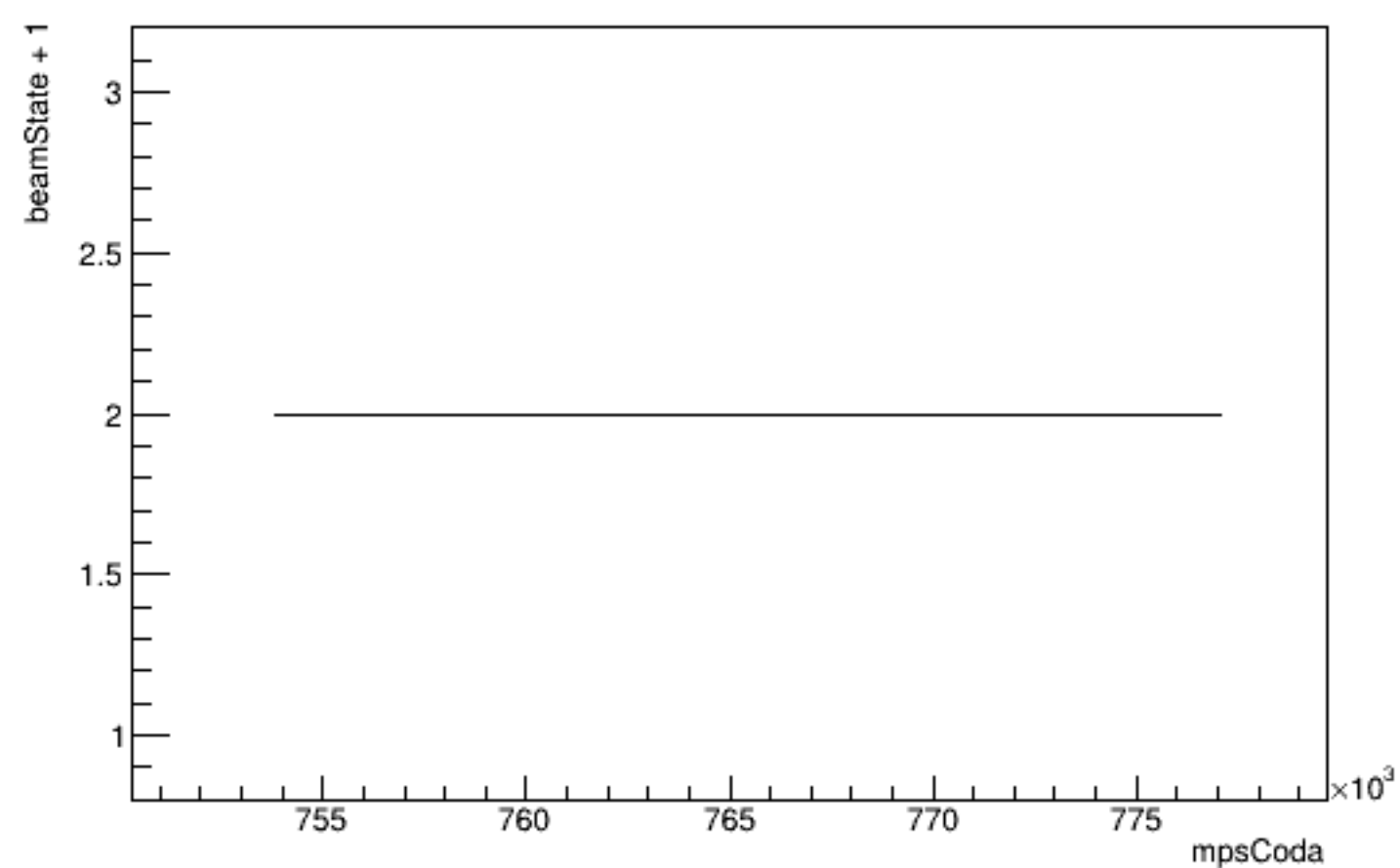
Acc0/NAcc0:mpsCoda (mpsCoda>=753831 && mpsCoda<=777062 && beamState==1)



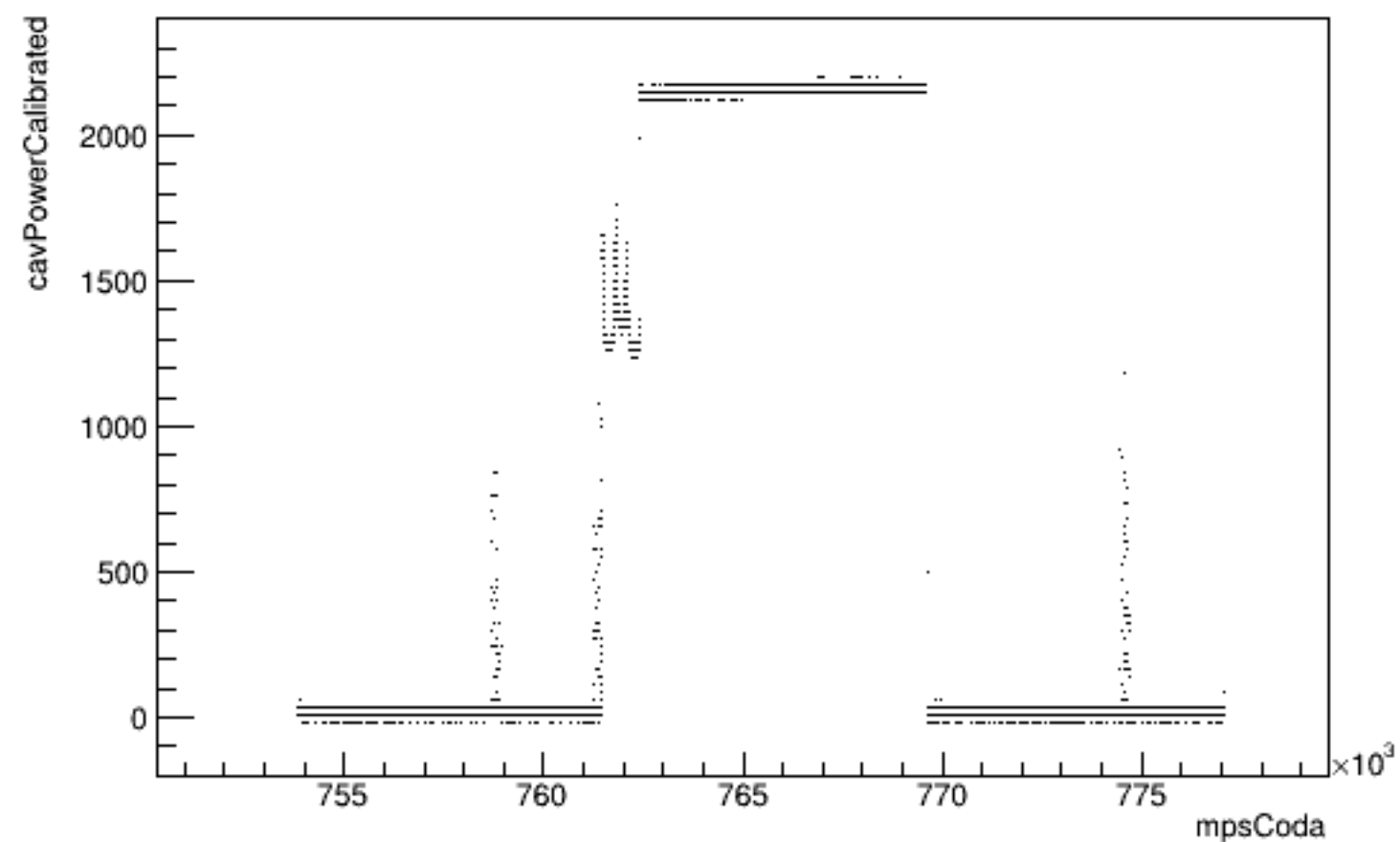
laserState:mpsCoda {mpsCoda&gt;=753831 &amp;&amp; mpsCoda&lt;=777062}



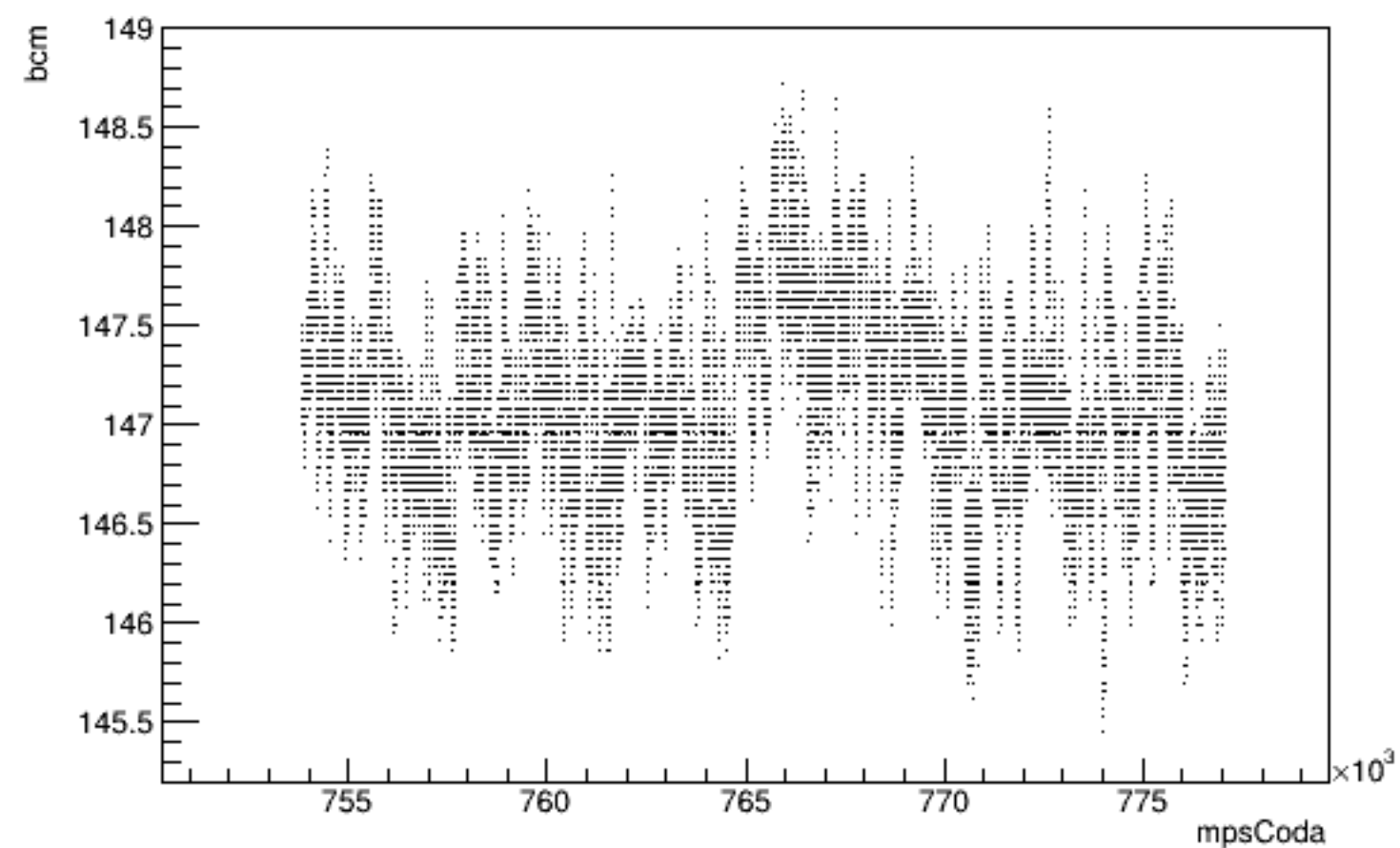
beamState + 1:mpsCoda {mpsCoda&gt;=753831 &amp;&amp; mpsCoda&lt;=777062}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=753831 &amp;&amp; mpsCoda&lt;=777062}



bcm:mpsCoda {mpsCoda&gt;=753831 &amp;&amp; mpsCoda&lt;=777062}



## Cycle 34, Diffs

Entries: 1841

Mean: 0.0070 +/- 0.0082

Std Dev: 0.3518 +/- 0.0058

Entries: 1915

Mean: 0.7762 +/- 0.0117

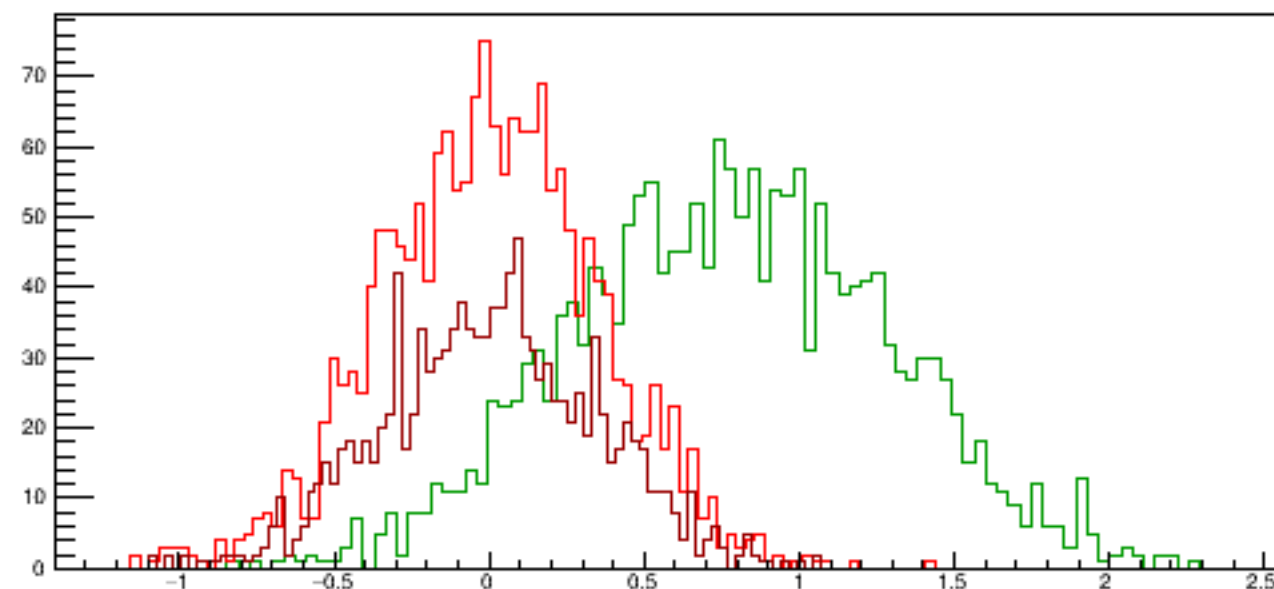
Std Dev: 0.5099 +/- 0.0082

Entries: 1225

Mean: 0.0042 +/- 0.0099

Std Dev: 0.3479 +/- 0.0070

Run 5977 quartetwise, Diffs



## Cycle 34, Sums

Entries: 1841

Mean: 5.1424 +/- 0.0092

Std Dev: 0.3948 +/- 0.0065

Entries: 1915

Mean: 29.4072 +/- 0.0422

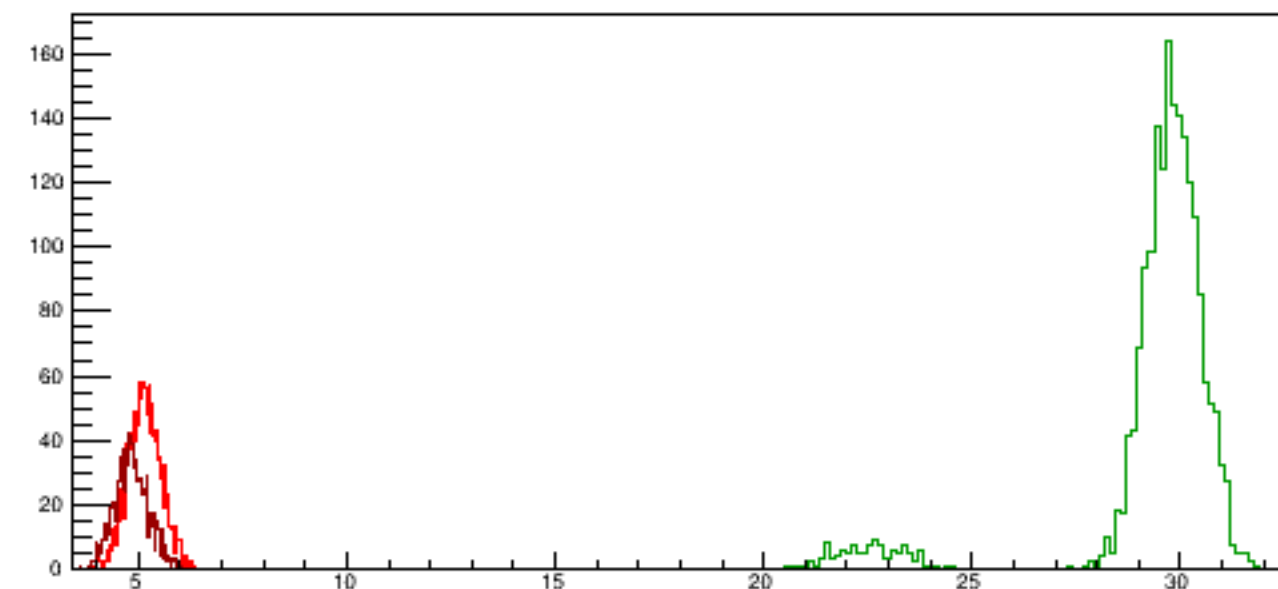
Std Dev: 1.8464 +/- 0.0298

Entries: 1225

Mean: 4.8241 +/- 0.0114

Std Dev: 0.3983 +/- 0.0080

Run 5977 quartetwise, Sums



## Cycle 34, Asyms

Entries: 1841

Mean: 0.0003 +/- 0.0003

Std Dev: 0.0144 +/- 0.0002

Entries: 1915

Mean: 0.0319 +/- 0.0005

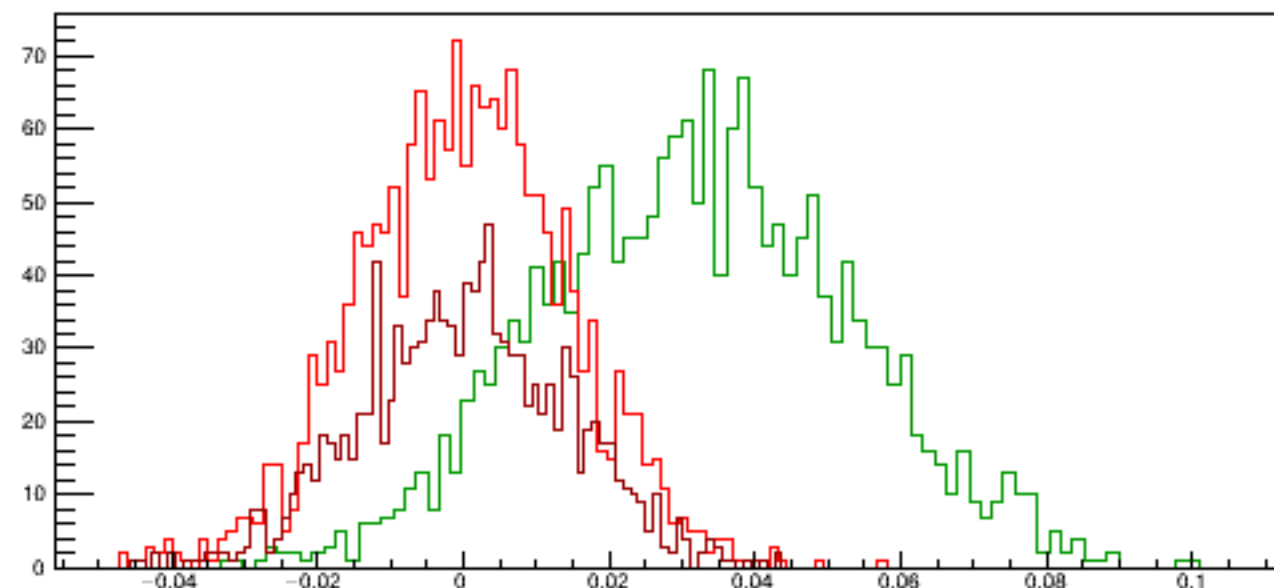
Std Dev: 0.0211 +/- 0.0003

Entries: 1225

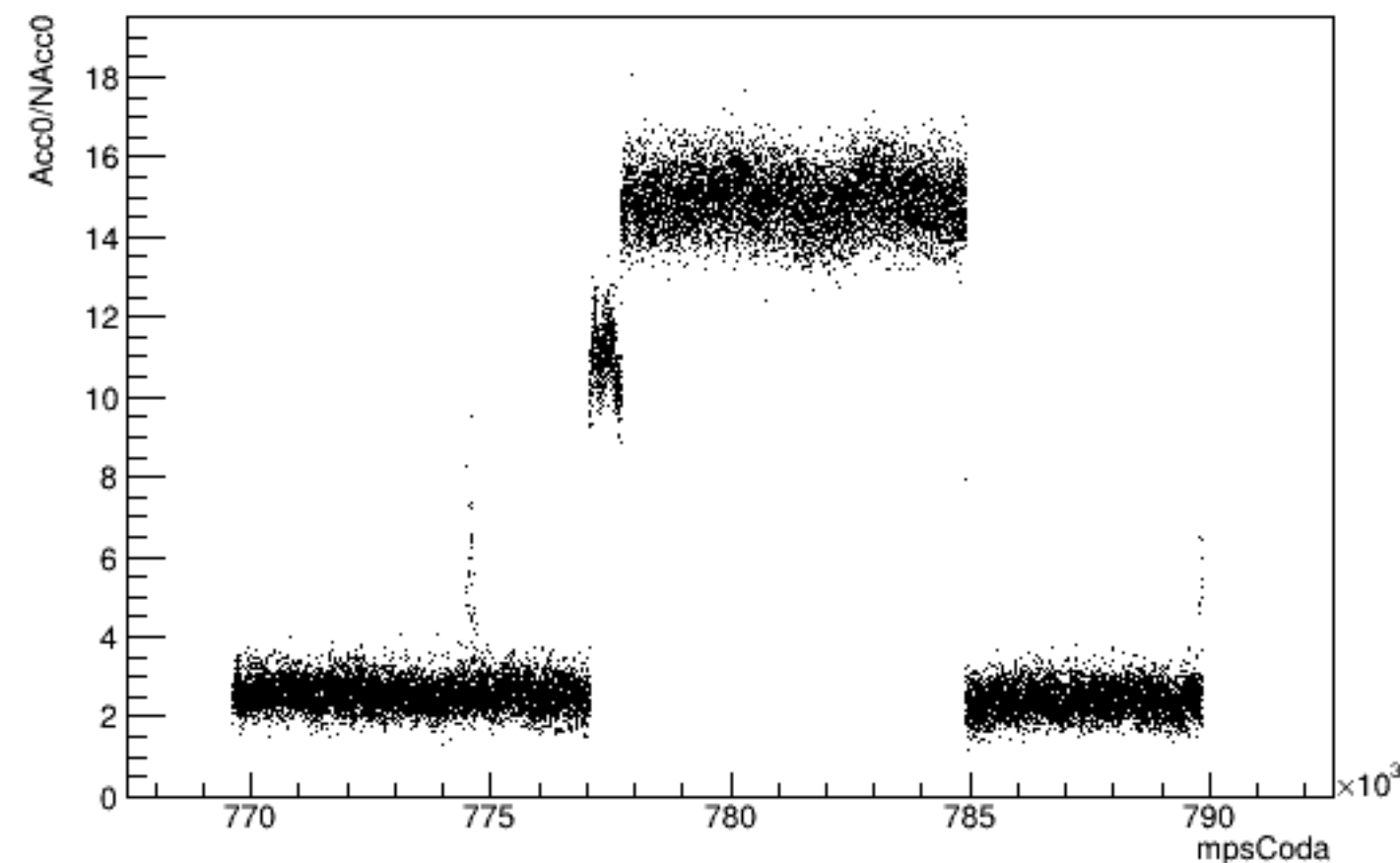
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0142 +/- 0.0003

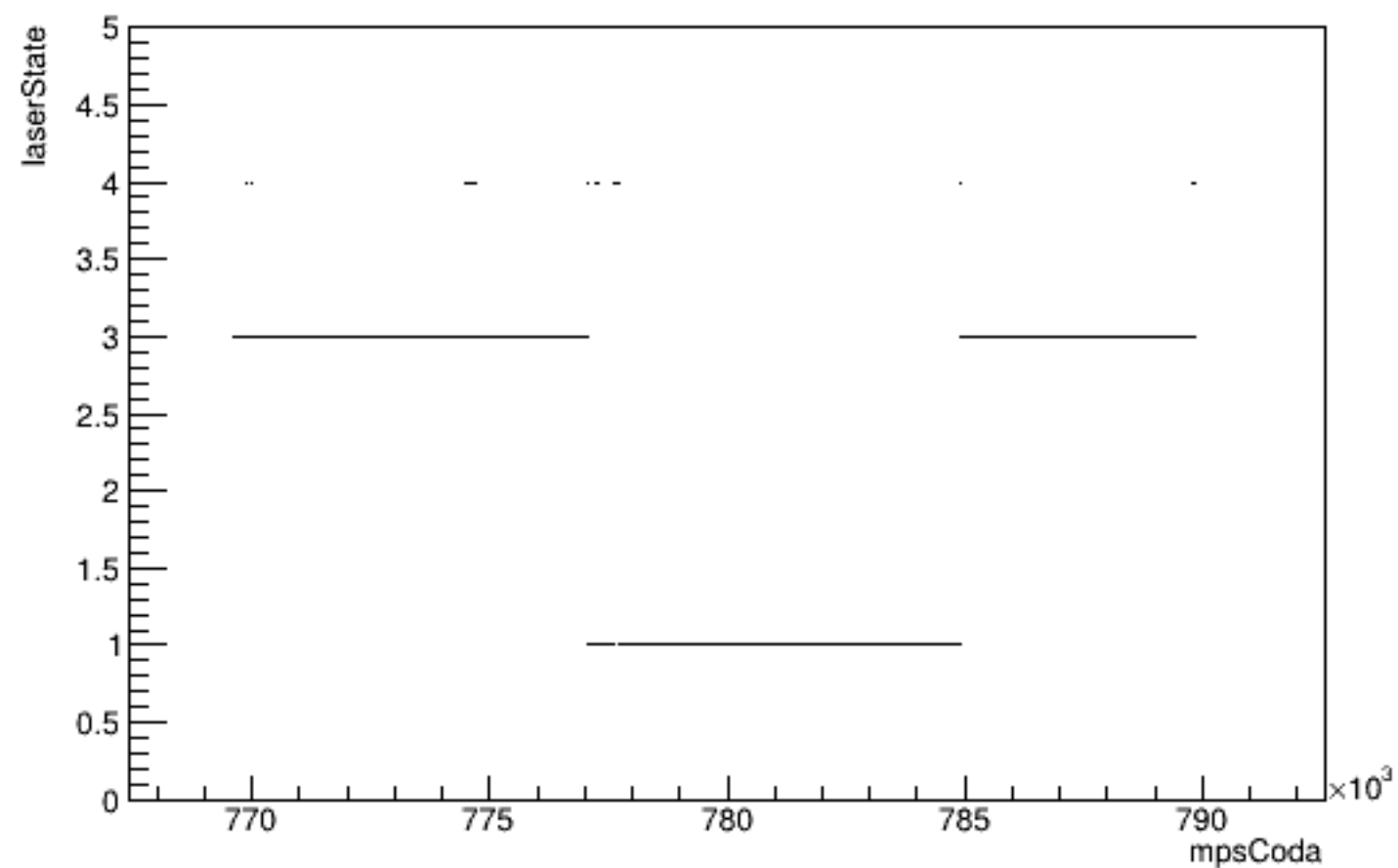
Run 5977 quartetwise, Asyms



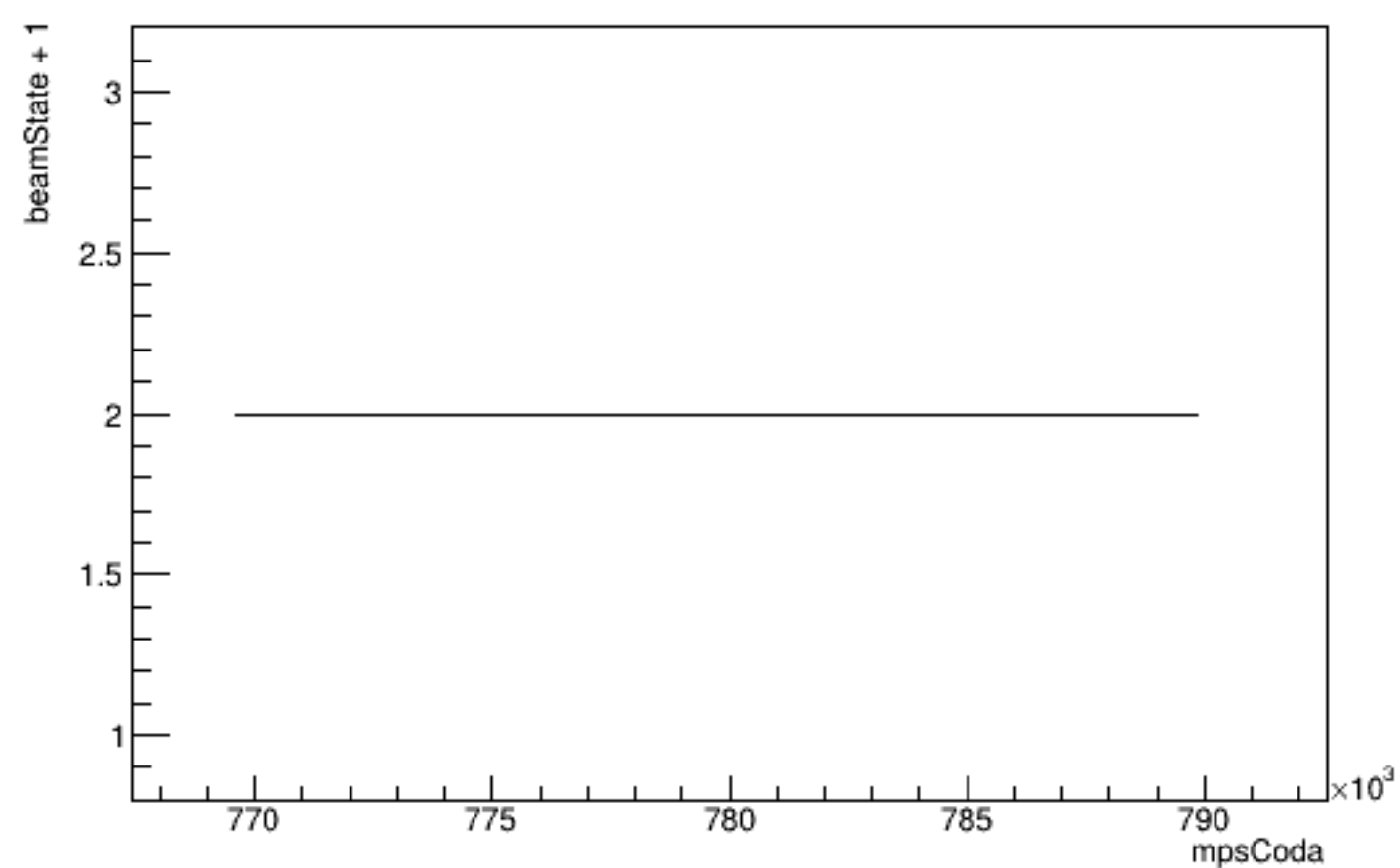
Acc0/NAcc0:mpsCoda (mpsCoda>=769611 && mpsCoda<=789846 && beamState==1)



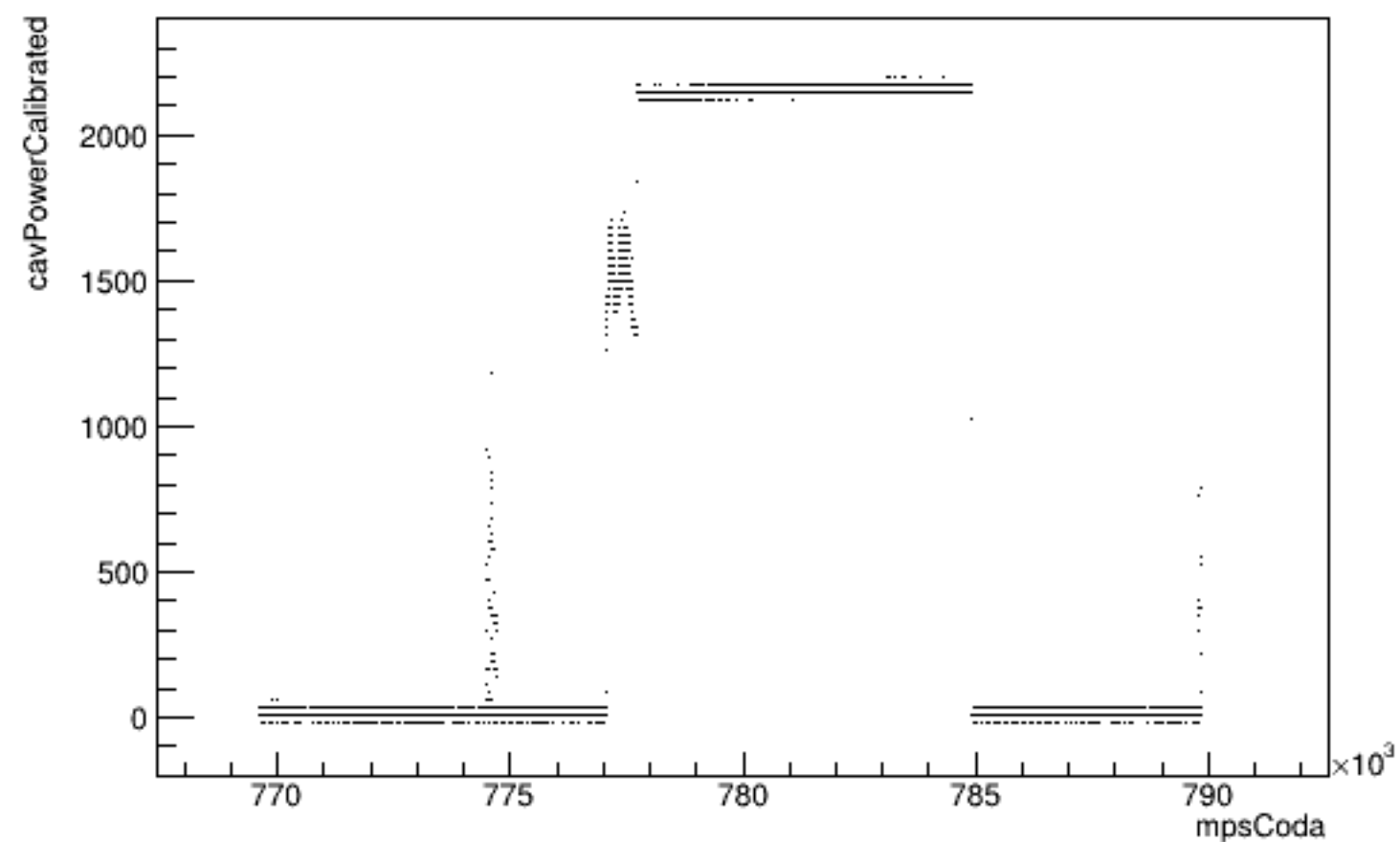
laserState:mpsCoda {mpsCoda&gt;=769611 &amp;&amp; mpsCoda&lt;=789846}



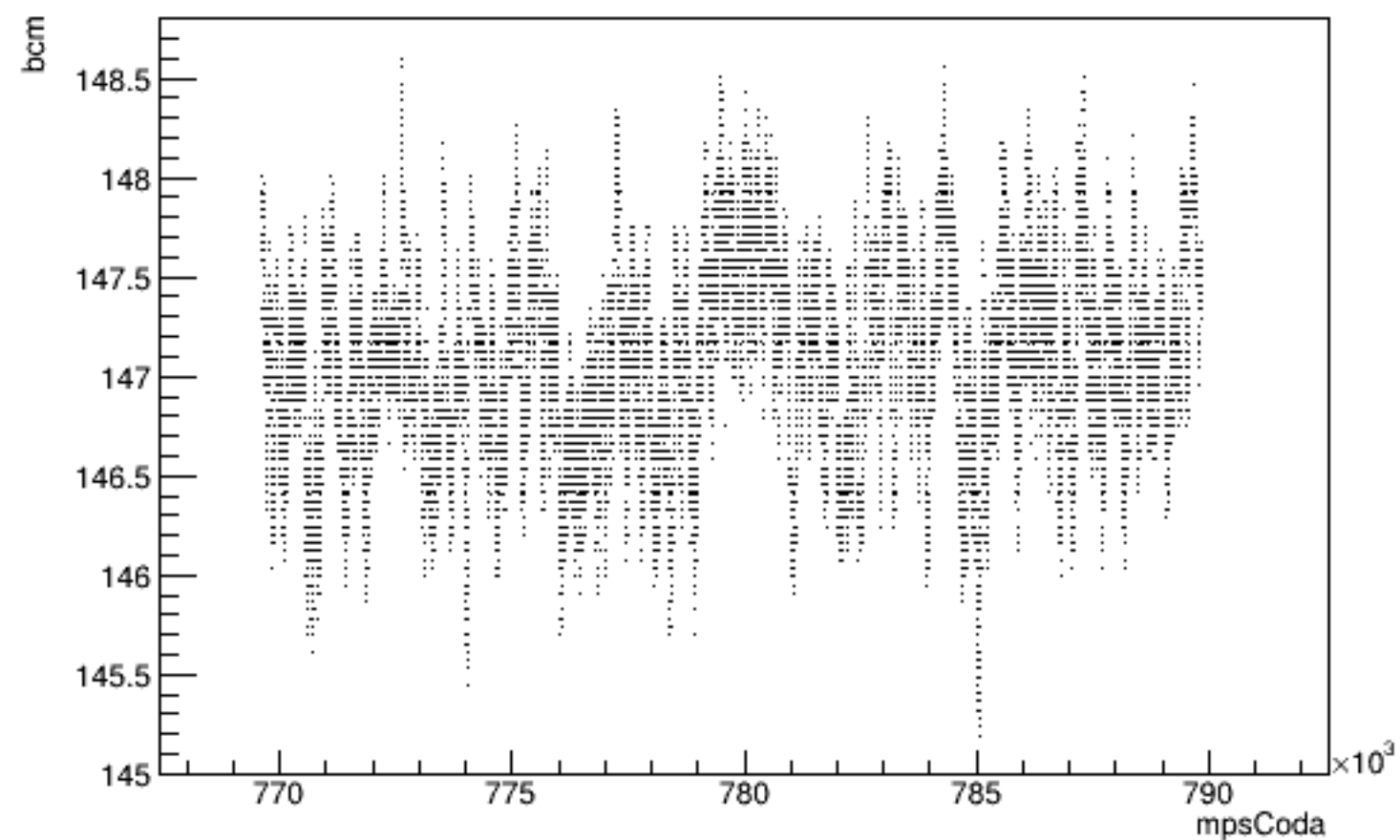
beamState + 1:mpsCoda {mpsCoda&gt;=769611 &amp;&amp; mpsCoda&lt;=789846}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=769611 &amp;&amp; mpsCoda&lt;=789846}



bcm:mpsCoda {mpsCoda&gt;=769611 &amp;&amp; mpsCoda&lt;=789846}



## Cycle 35, Diffs

Entries: 1225

Mean: 0.0042 +/- 0.0099

Std Dev: 0.3479 +/- 0.0070

Entries: 1800

Mean: 0.7747 +/- 0.0120

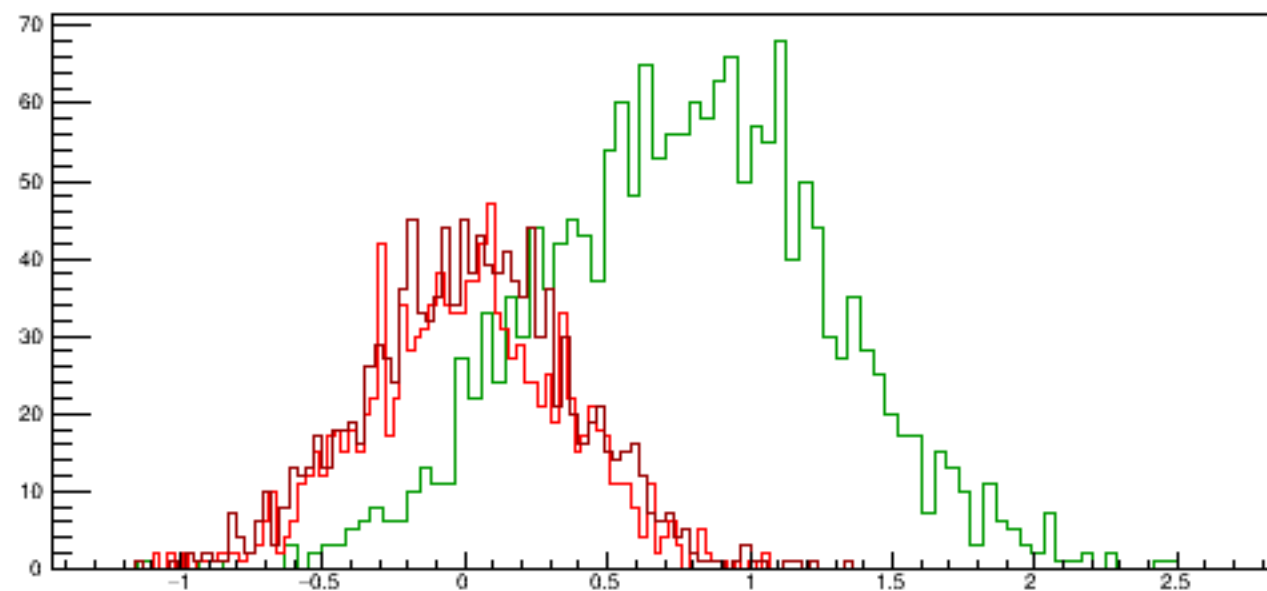
Std Dev: 0.5077 +/- 0.0085

Entries: 1222

Mean: 0.0156 +/- 0.0104

Std Dev: 0.3619 +/- 0.0073

Run 5977 quartetwise, Diffs



## Cycle 35, Sums

Entries: 1225

Mean: 4.8241 +/- 0.0114

Std Dev: 0.3983 +/- 0.0080

Entries: 1800

Mean: 29.7084 +/- 0.0157

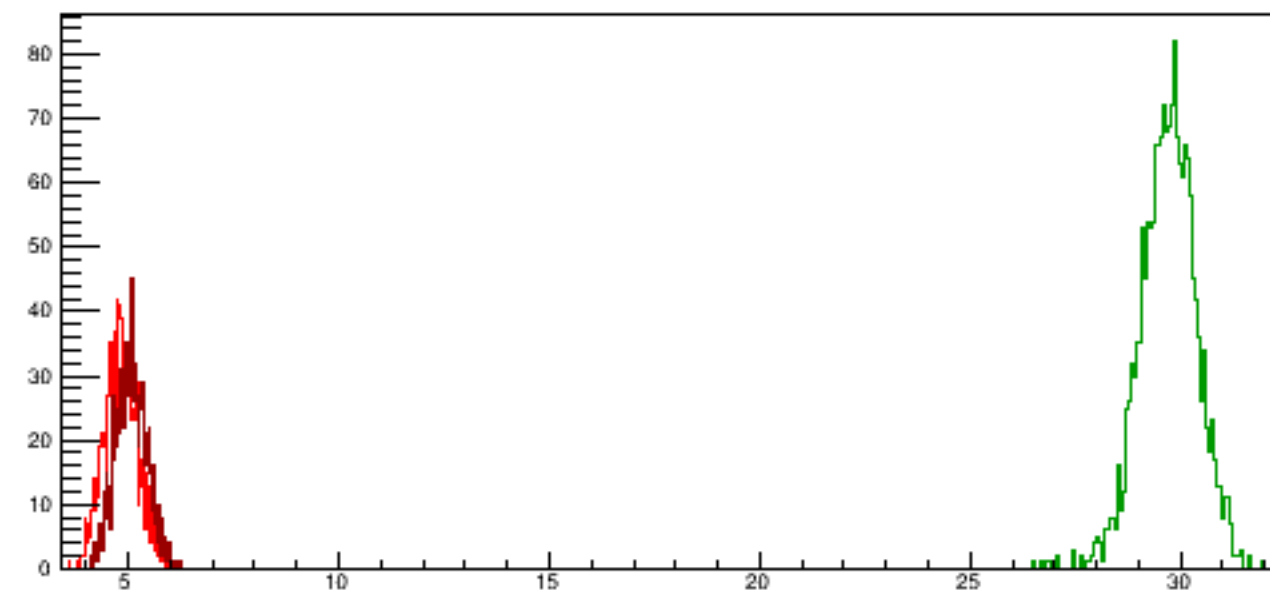
Std Dev: 0.6660 +/- 0.0111

Entries: 1222

Mean: 5.0625 +/- 0.0105

Std Dev: 0.3685 +/- 0.0075

Run 5977 quartetwise, Sums



## Cycle 35, Asyms

Entries: 1225

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0140 +/- 0.0003

Entries: 1800

Mean: 0.0313 +/- 0.0005

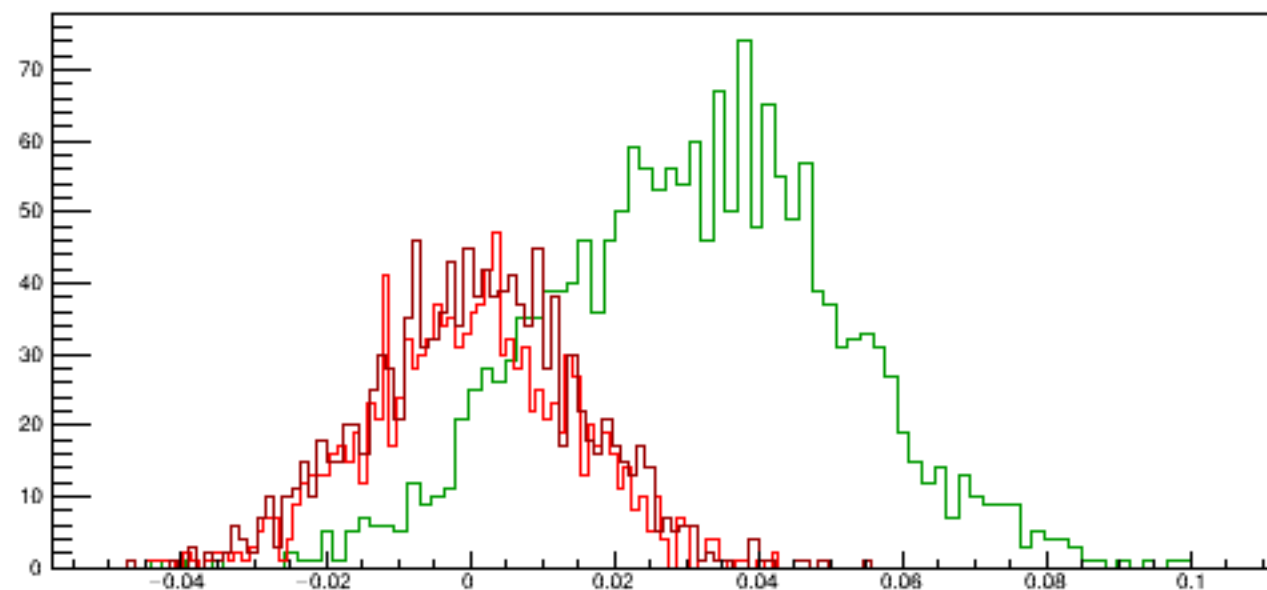
Std Dev: 0.0205 +/- 0.0003

Entries: 1222

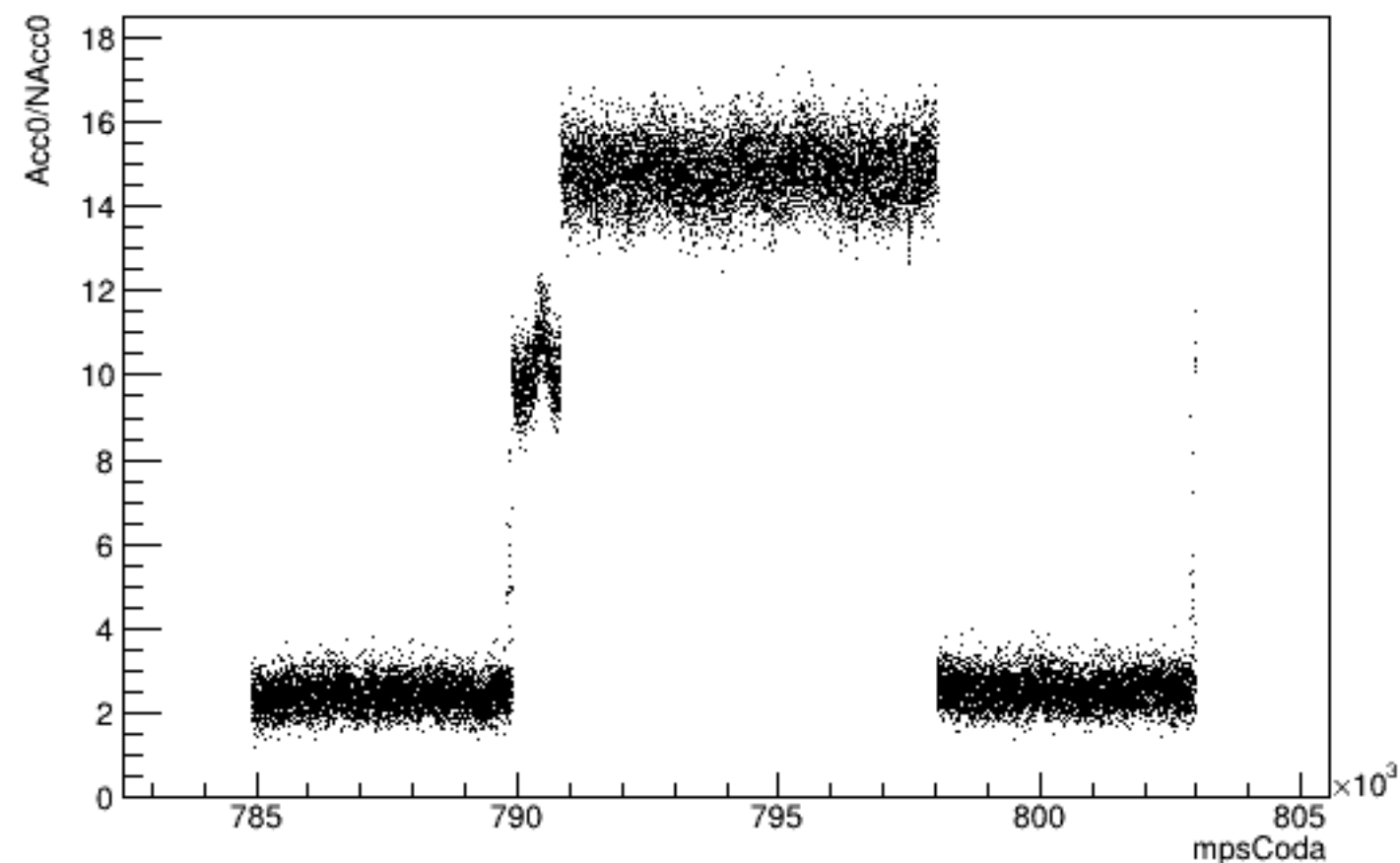
Mean: 0.0006 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

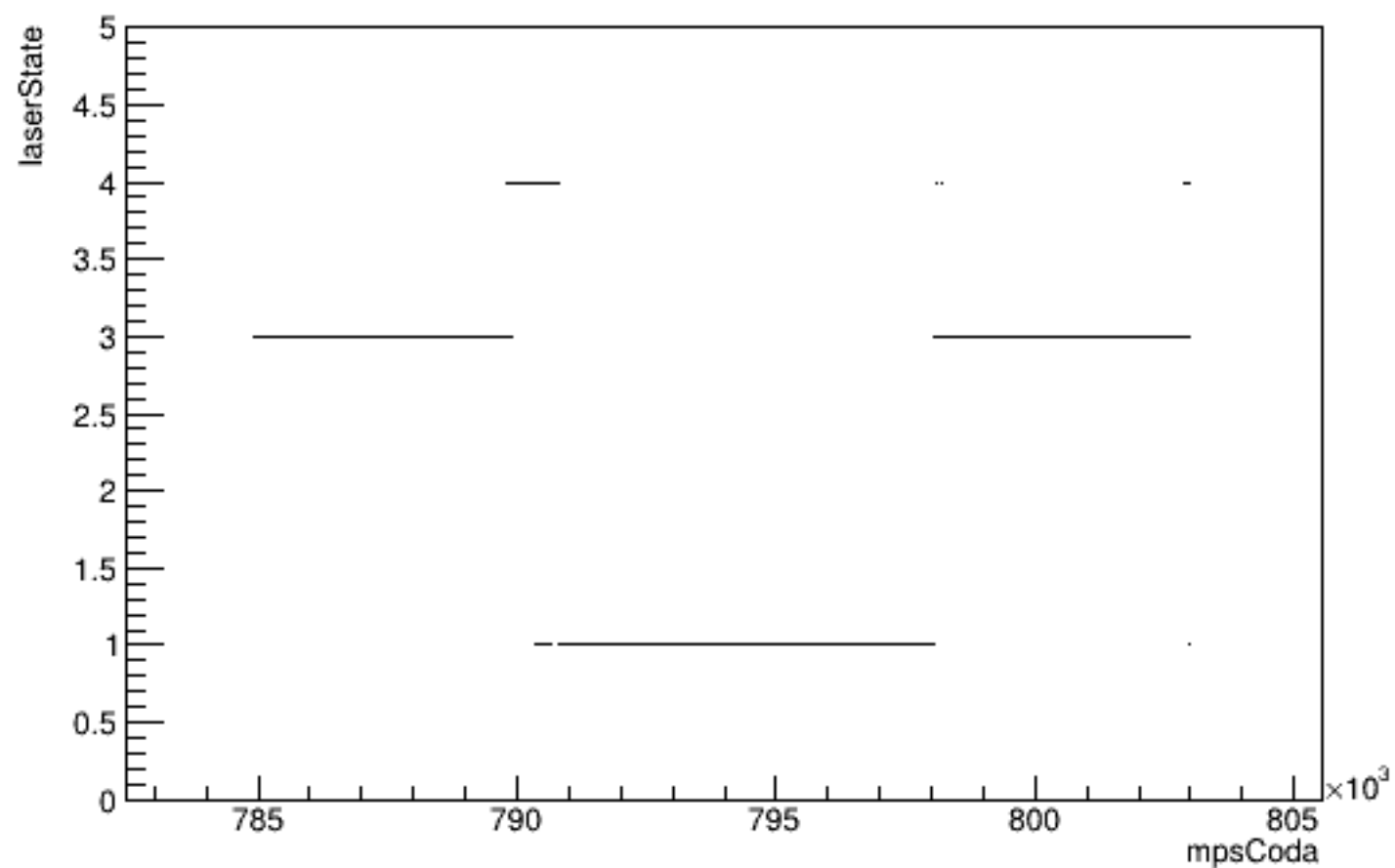
Run 5977 quartetwise, Asyms



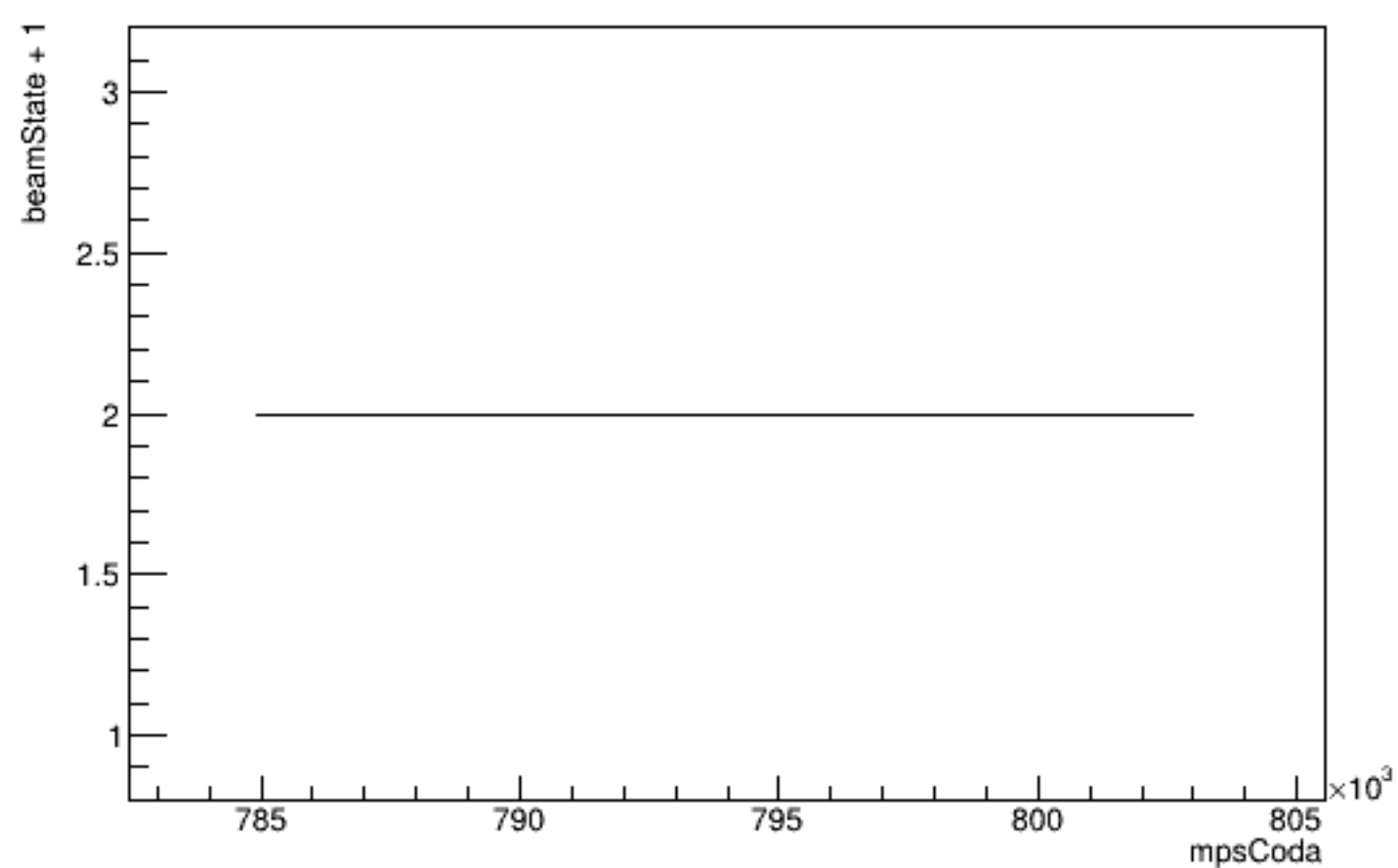
Acc0/NAcc0:mpsCoda (mpsCoda>=784923 && mpsCoda<=802978 && beamState==1)



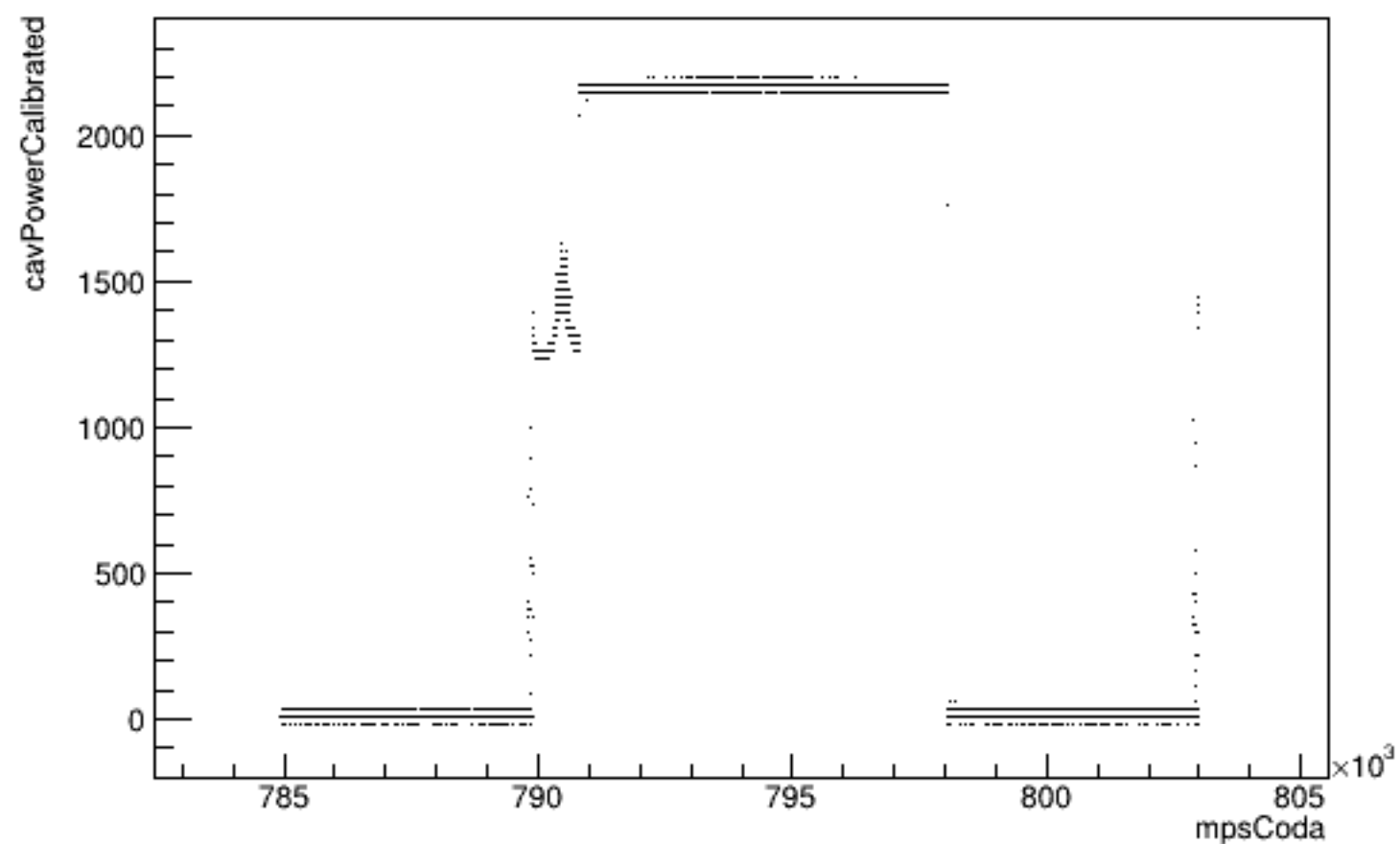
laserState:mpsCoda {mpsCoda&gt;=784923 &amp;&amp; mpsCoda&lt;=802978}



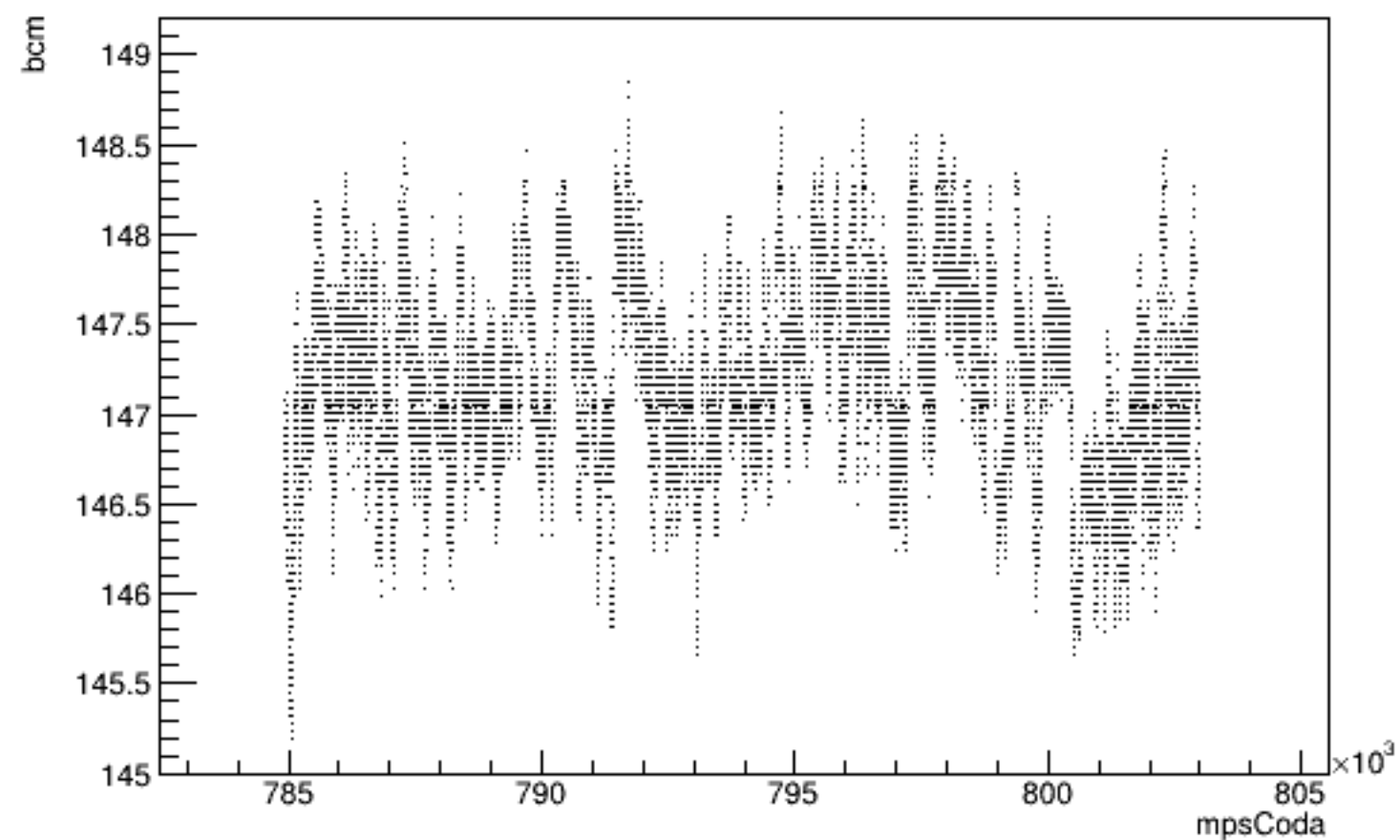
beamState + 1:mpsCoda {mpsCoda&gt;=784923 &amp;&amp; mpsCoda&lt;=802978}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=784923 &amp;&amp; mpsCoda&lt;=802978}



bcm:mpsCoda {mpsCoda&gt;=784923 &amp;&amp; mpsCoda&lt;=802978}



## Cycle 36, Diffs

Entries: 1222

Mean: 0.0156 +/- 0.0104

Std Dev: 0.3619 +/- 0.0073

Entries: 1877

Mean: 0.7872 +/- 0.0116

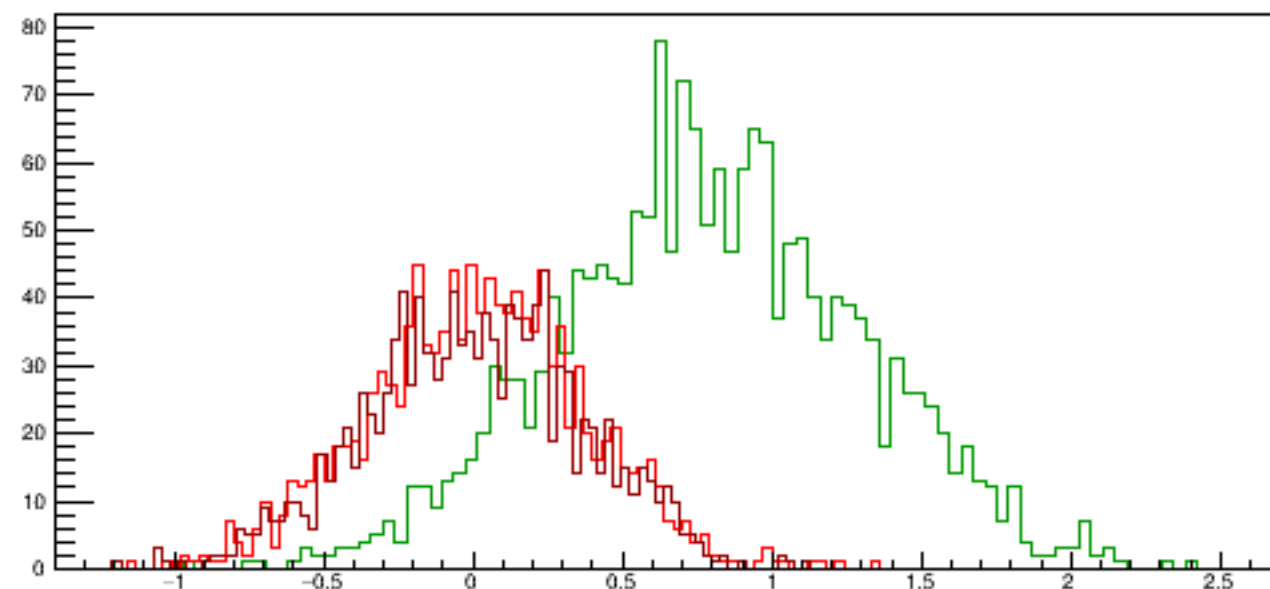
Std Dev: 0.5032 +/- 0.0082

Entries: 1221

Mean: 0.0038 +/- 0.0102

Std Dev: 0.3579 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 36, Sums

Entries: 1222

Mean: 5.0625 +/- 0.0105

Std Dev: 0.3685 +/- 0.0075

Entries: 1877

Mean: 29.4883 +/- 0.0362

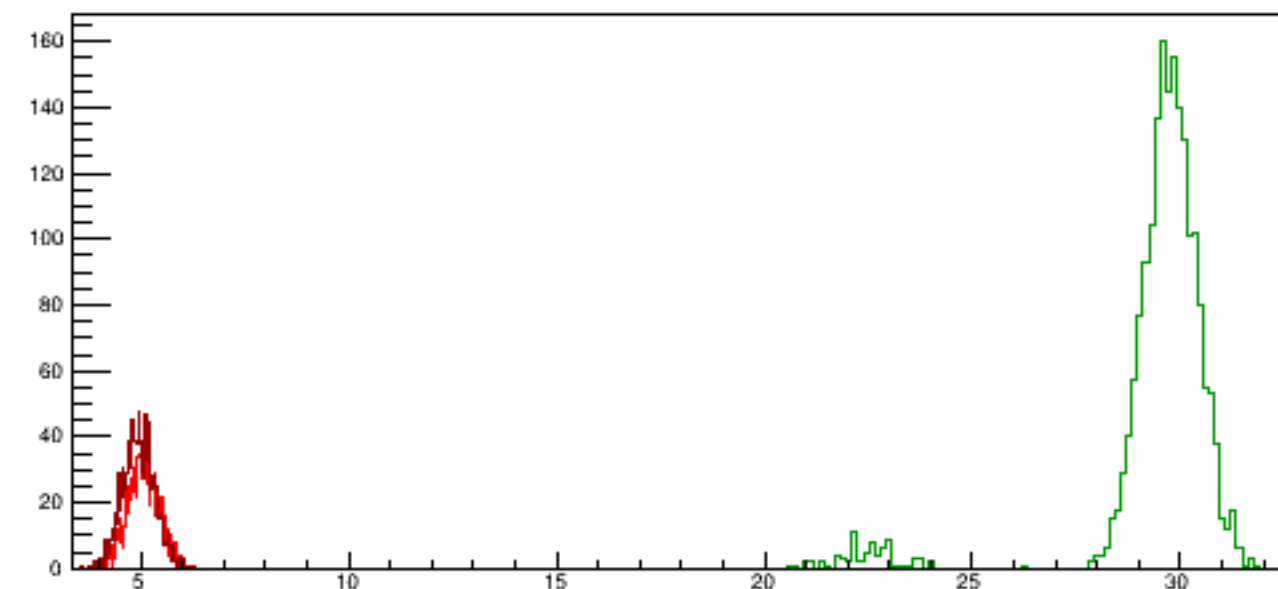
Std Dev: 1.5671 +/- 0.0256

Entries: 1221

Mean: 4.9578 +/- 0.0111

Std Dev: 0.3863 +/- 0.0078

Run 5977 quartetwise, Sums



## Cycle 36, Asyms

Entries: 1222

Mean: 0.0006 +/- 0.0004

Std Dev: 0.0148 +/- 0.0003

Entries: 1877

Mean: 0.0321 +/- 0.0005

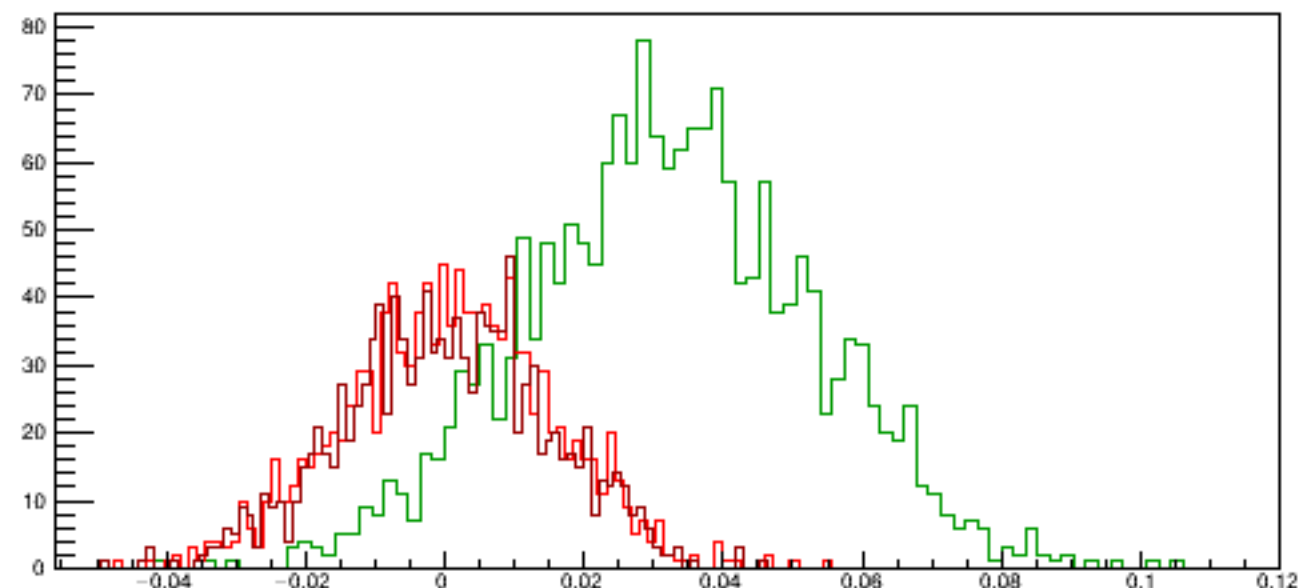
Std Dev: 0.0206 +/- 0.0003

Entries: 1221

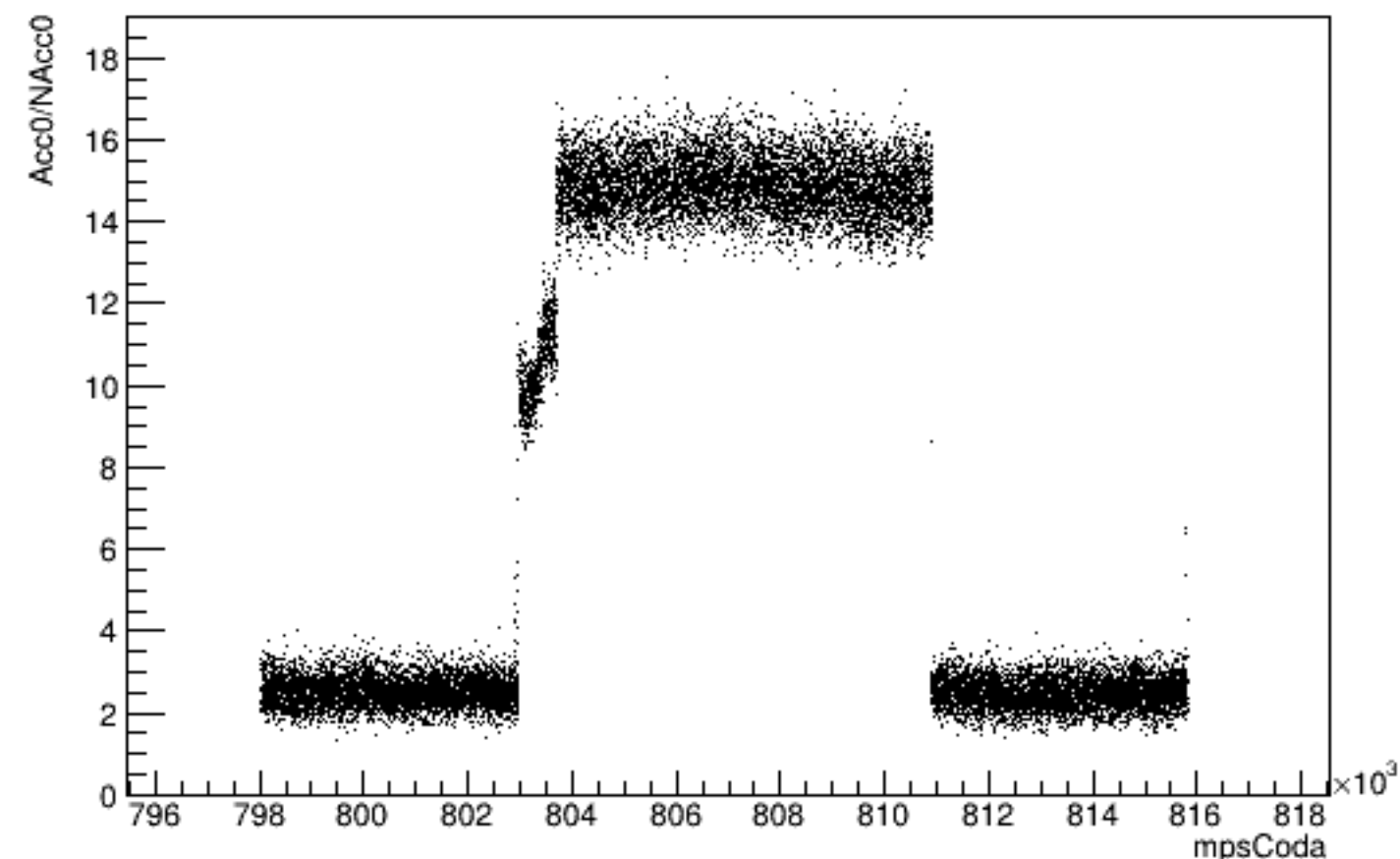
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

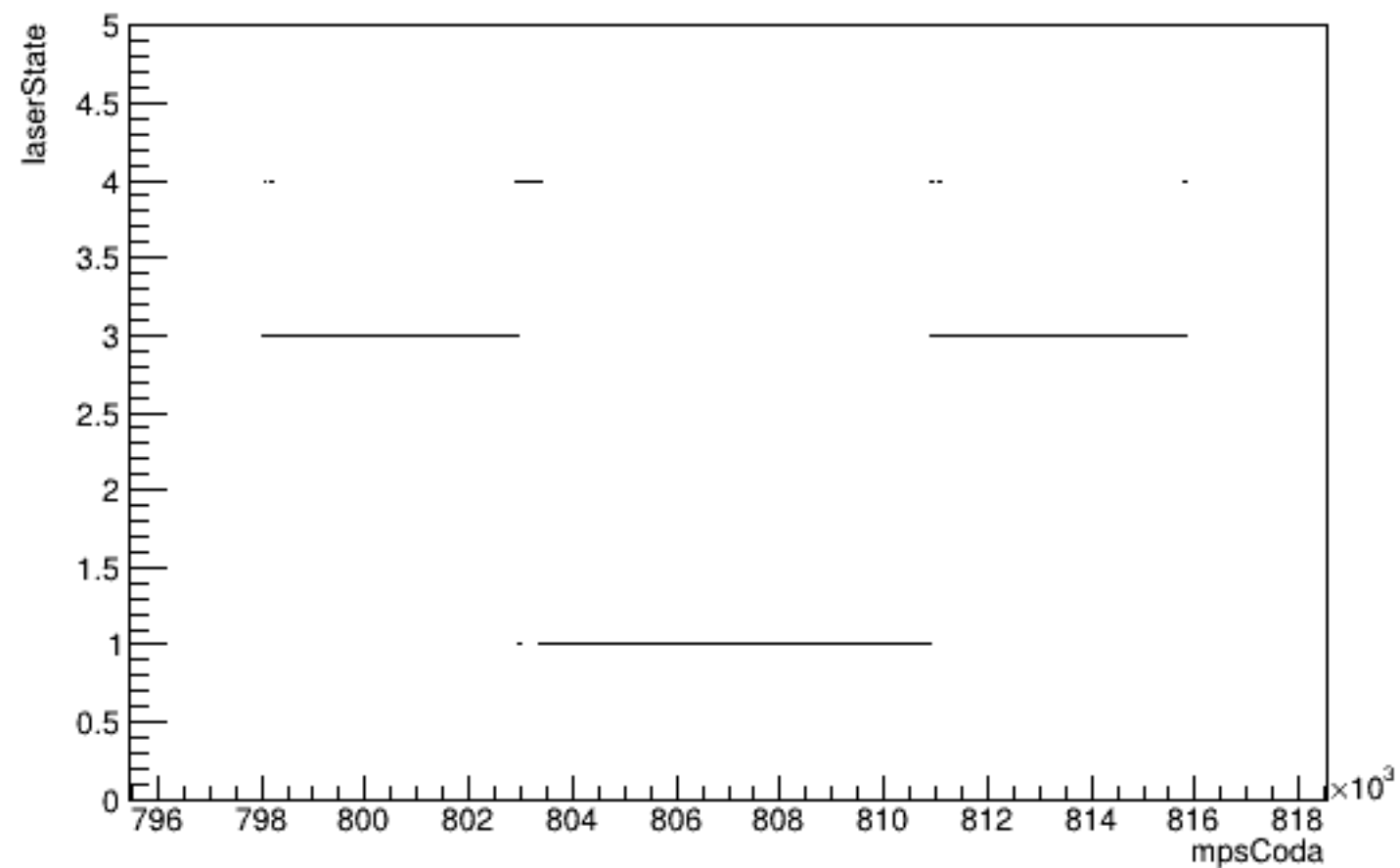
Run 5977 quartetwise, Asyms



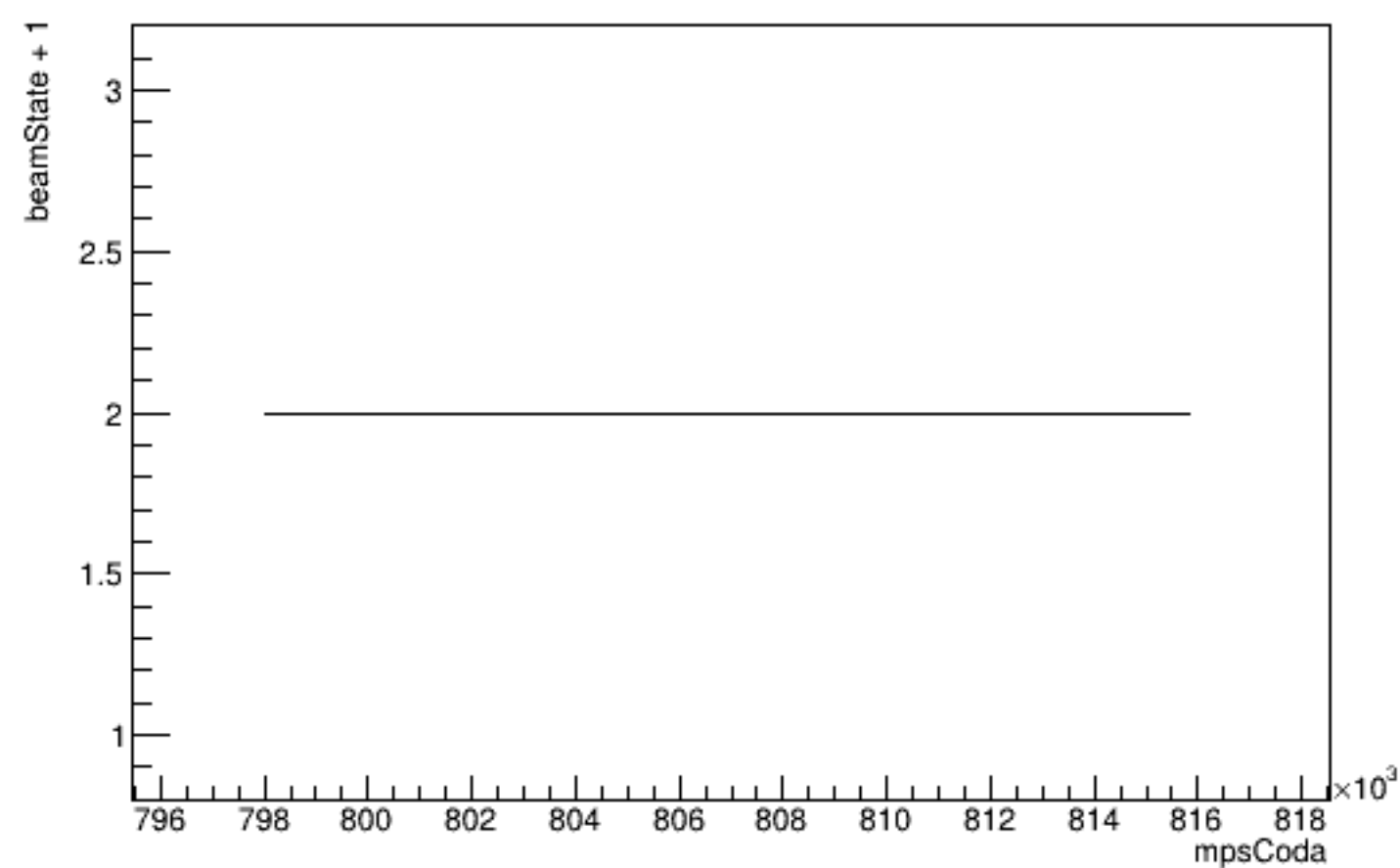
Acc0/NAcc0:mpsCoda (mpsCoda>=798035 && mpsCoda<=815814 && beamState==1)



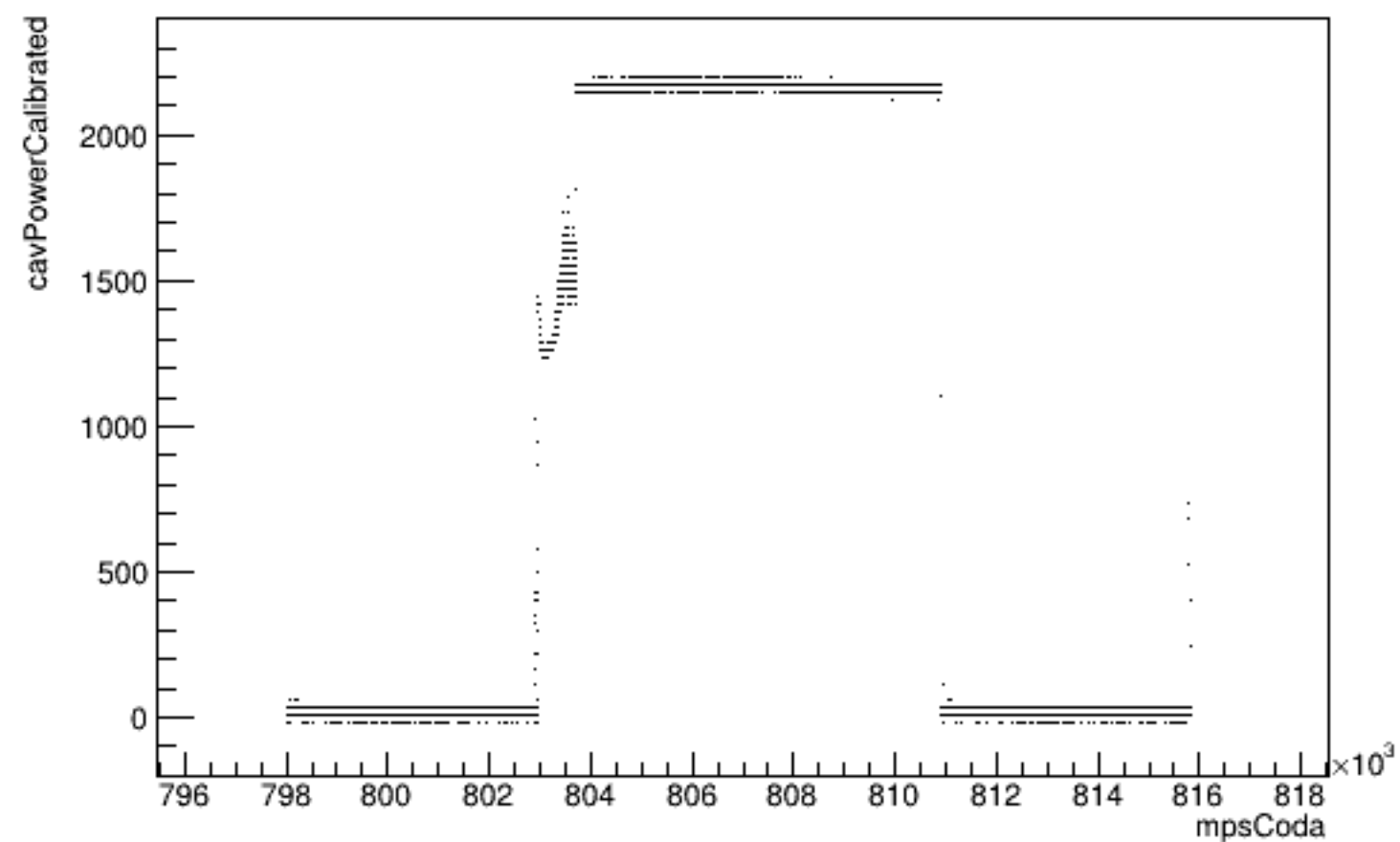
laserState:mpsCoda {mpsCoda&gt;=798035 &amp;&amp; mpsCoda&lt;=815814}



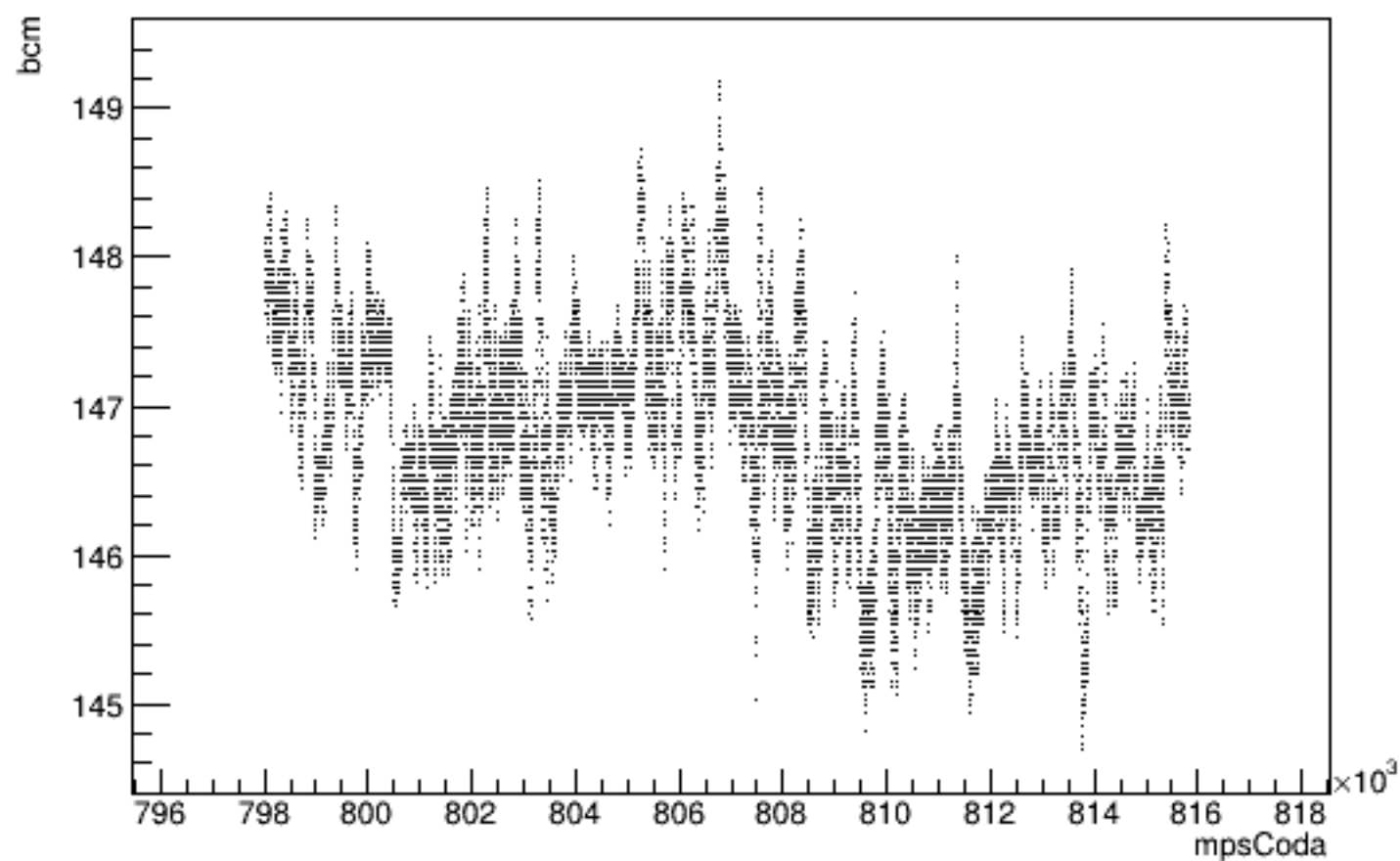
beamState + 1:mpsCoda {mpsCoda&gt;=798035 &amp;&amp; mpsCoda&lt;=815814}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=798035 &amp;&amp; mpsCoda&lt;=815814}



bcm:mpsCoda {mpsCoda&gt;=798035 &amp;&amp; mpsCoda&lt;=815814}



## Cycle 37, Diffs

Entries: 1220

Mean: -0.0080 +/- 0.0103

Std Dev: 0.3607 +/- 0.0073

Entries: 1801

Mean: 0.7847 +/- 0.0122

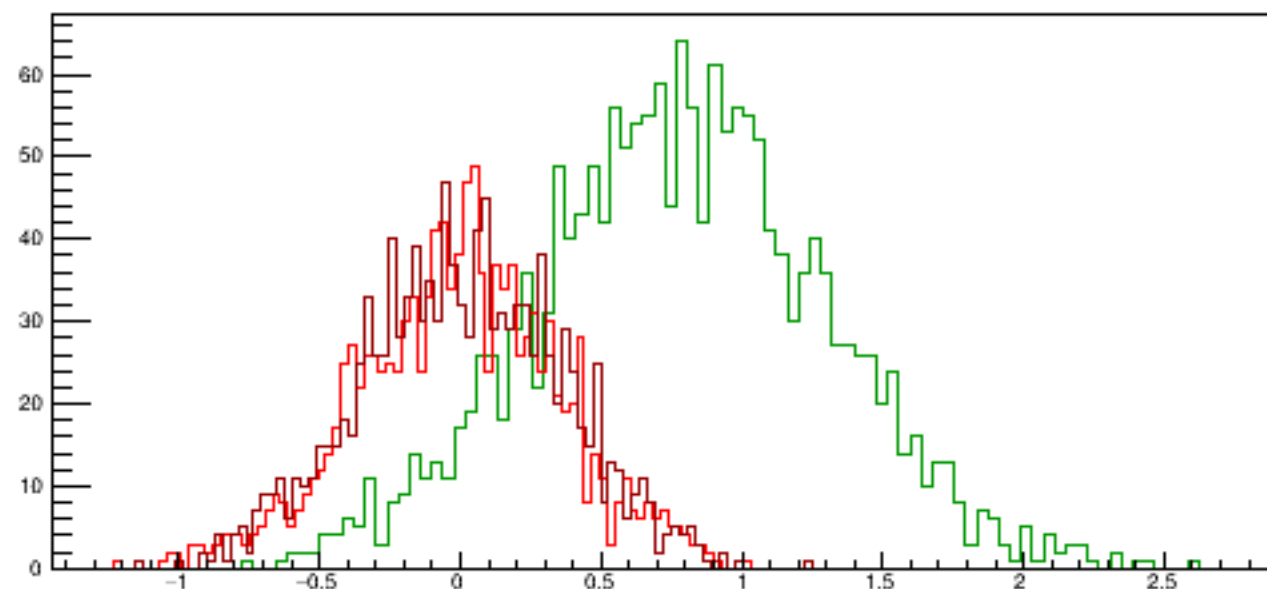
Std Dev: 0.5171 +/- 0.0086

Entries: 1217

Mean: 0.0028 +/- 0.0102

Std Dev: 0.3570 +/- 0.0072

Run 5977 quartetwise, Diffs



## Cycle 37, Sums

Entries: 1220

Mean: 5.0749 +/- 0.0108

Std Dev: 0.3766 +/- 0.0076

Entries: 1801

Mean: 29.8235 +/- 0.0151

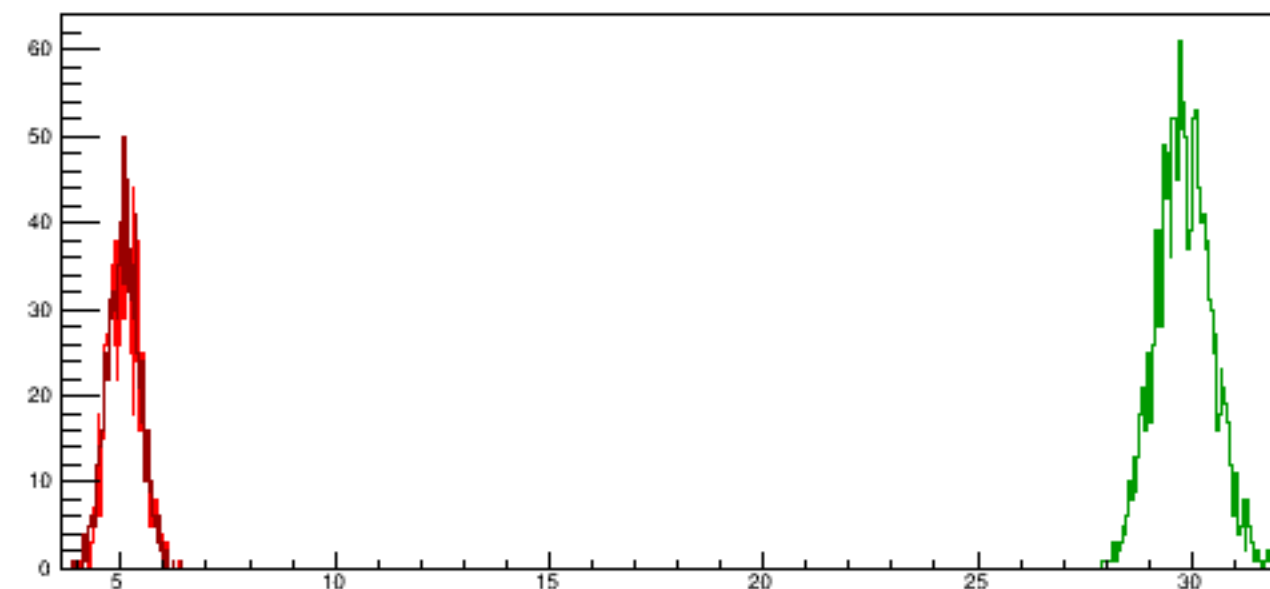
Std Dev: 0.6415 +/- 0.0107

Entries: 1217

Mean: 5.0681 +/- 0.0106

Std Dev: 0.3686 +/- 0.0075

Run 5977 quartetwise, Sums



## Cycle 37, Asyms

Entries: 1220

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0146 +/- 0.0003

Entries: 1801

Mean: 0.0317 +/- 0.0005

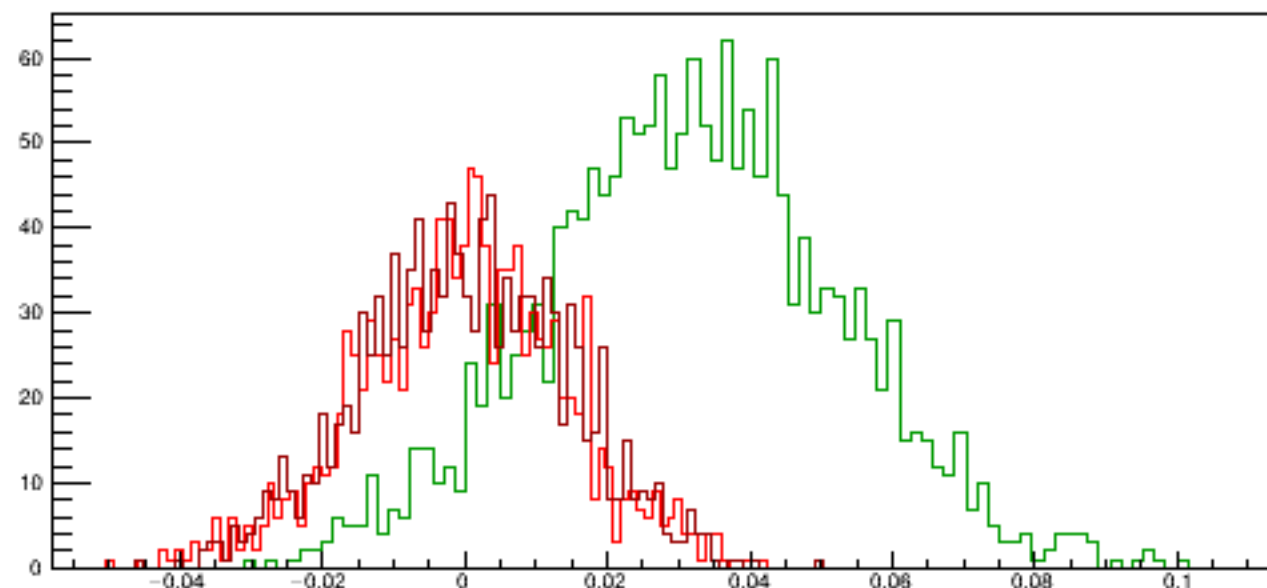
Std Dev: 0.0209 +/- 0.0003

Entries: 1217

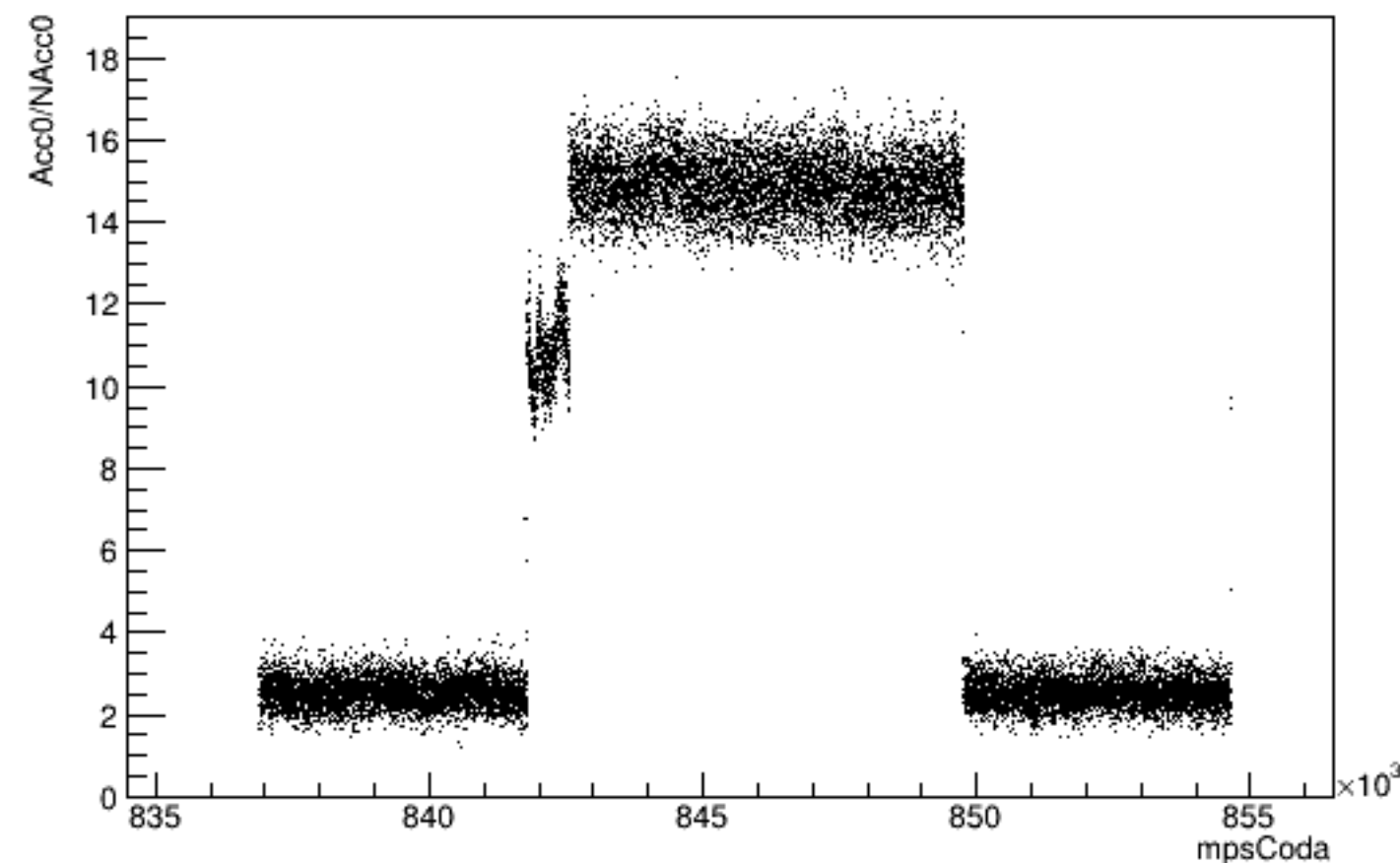
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0144 +/- 0.0003

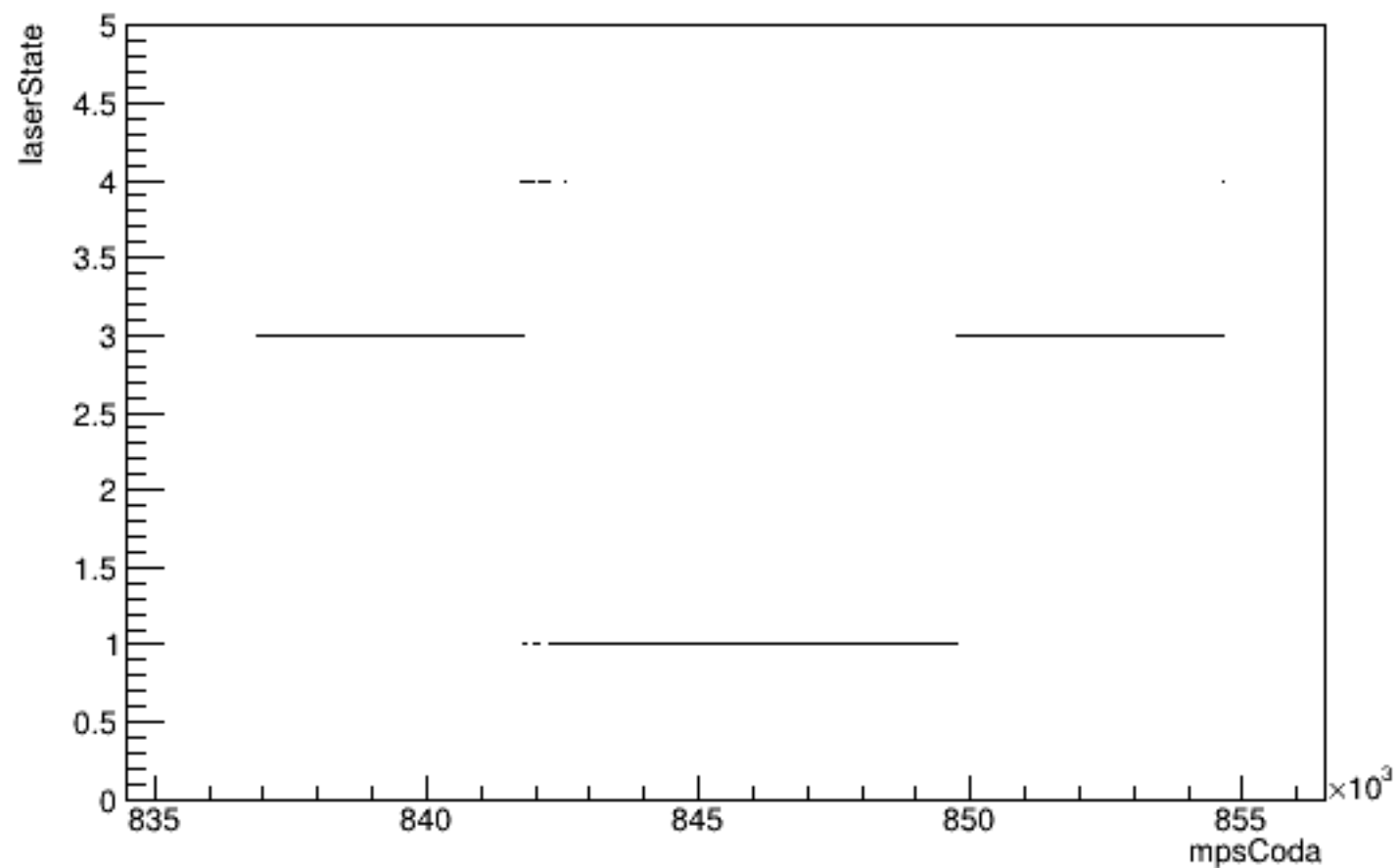
Run 5977 quartetwise, Asyms



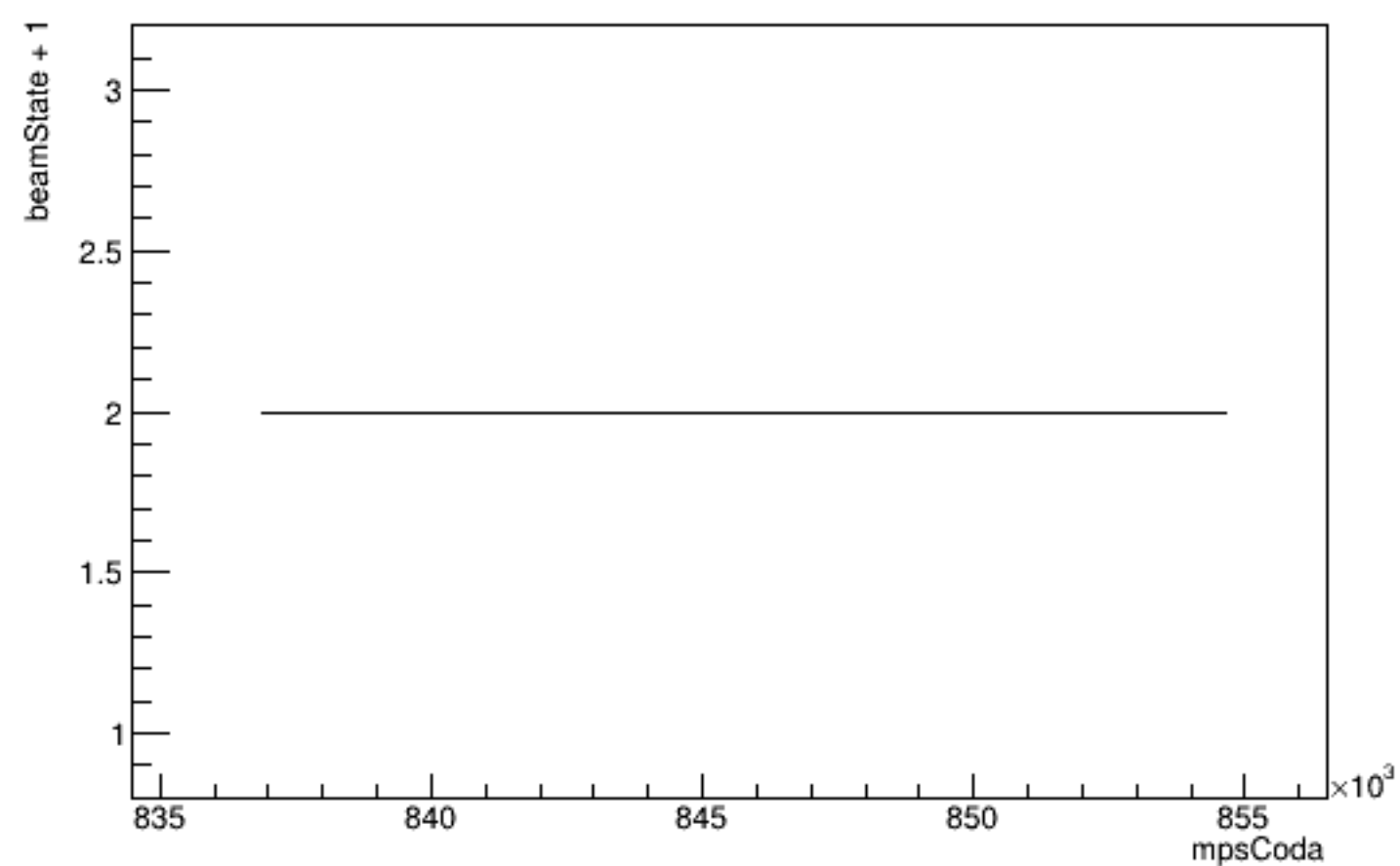
Acc0/NAcc0:mpsCoda (mpsCoda>=836895 && mpsCoda<=854638 && beamState==1)



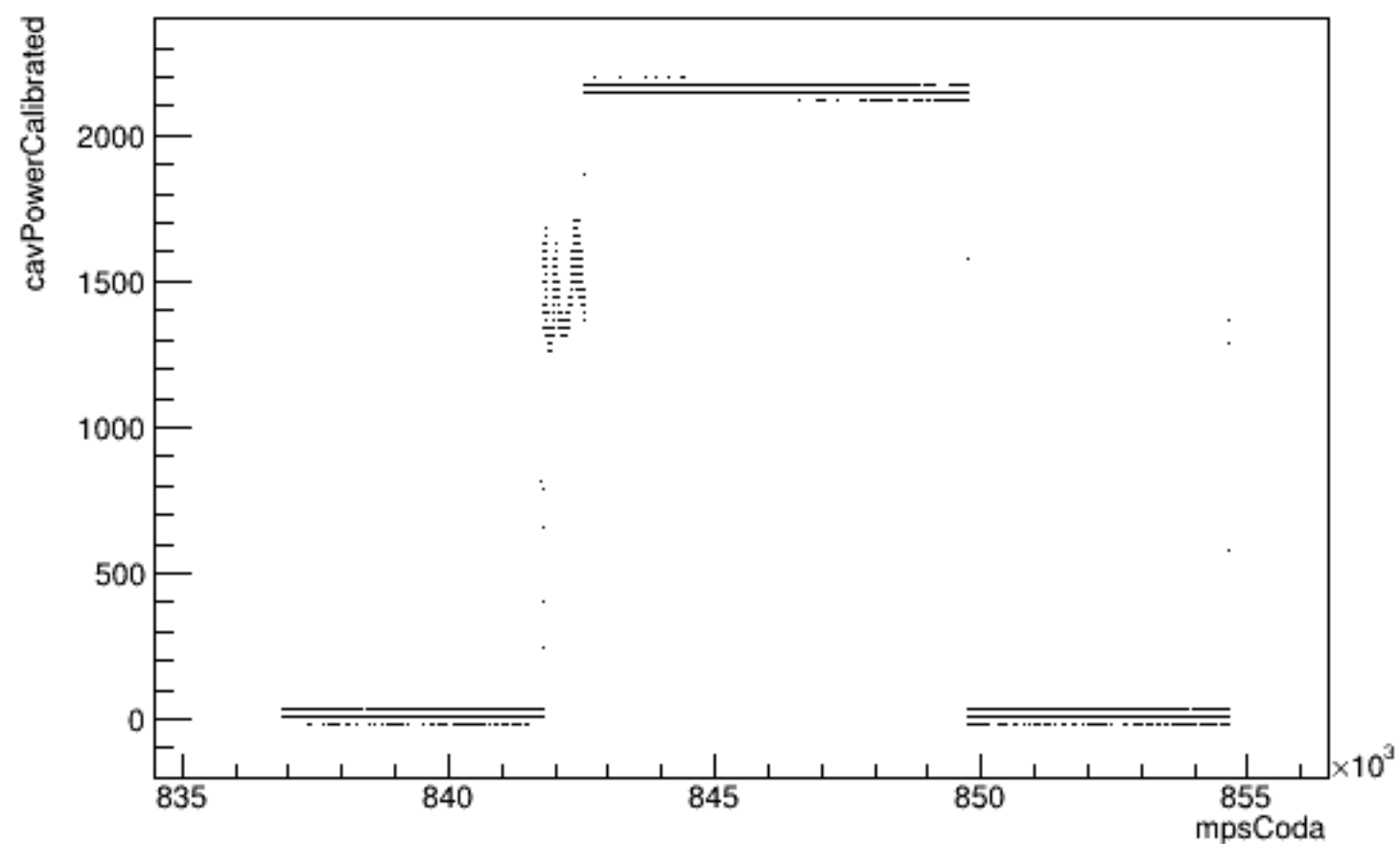
laserState:mpsCoda {mpsCoda&gt;=836895 &amp;&amp; mpsCoda&lt;=854638}



beamState + 1:mpsCoda {mpsCoda&gt;=836895 &amp;&amp; mpsCoda&lt;=854638}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=836895 &amp;&amp; mpsCoda&lt;=854638}



bcm:mpsCoda {mpsCoda&gt;=836895 &amp;&amp; mpsCoda&lt;=854638}

