

## Cycle 2, Diffs

Entries: 4712

Mean: 0.0323 +/- 0.0042

Std Dev: 0.2855 +/- 0.0029

Entries: 4614

Mean: 0.1401 +/- 0.0050

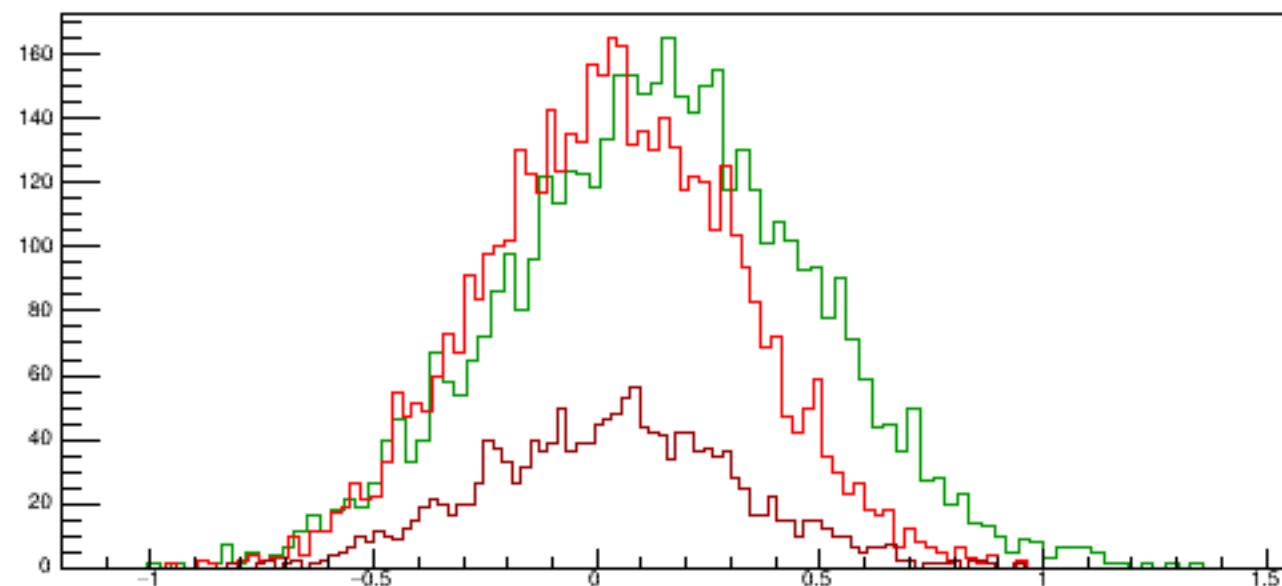
Std Dev: 0.3406 +/- 0.0035

Entries: 1579

Mean: 0.0327 +/- 0.0070

Std Dev: 0.2791 +/- 0.0050

Run 4574 quartetwise, Diffs



## Cycle 2, Sums

Entries: 4712

Mean: 15.5189 +/- 0.0048

Std Dev: 0.3308 +/- 0.0034

Entries: 4614

Mean: 23.5745 +/- 0.0073

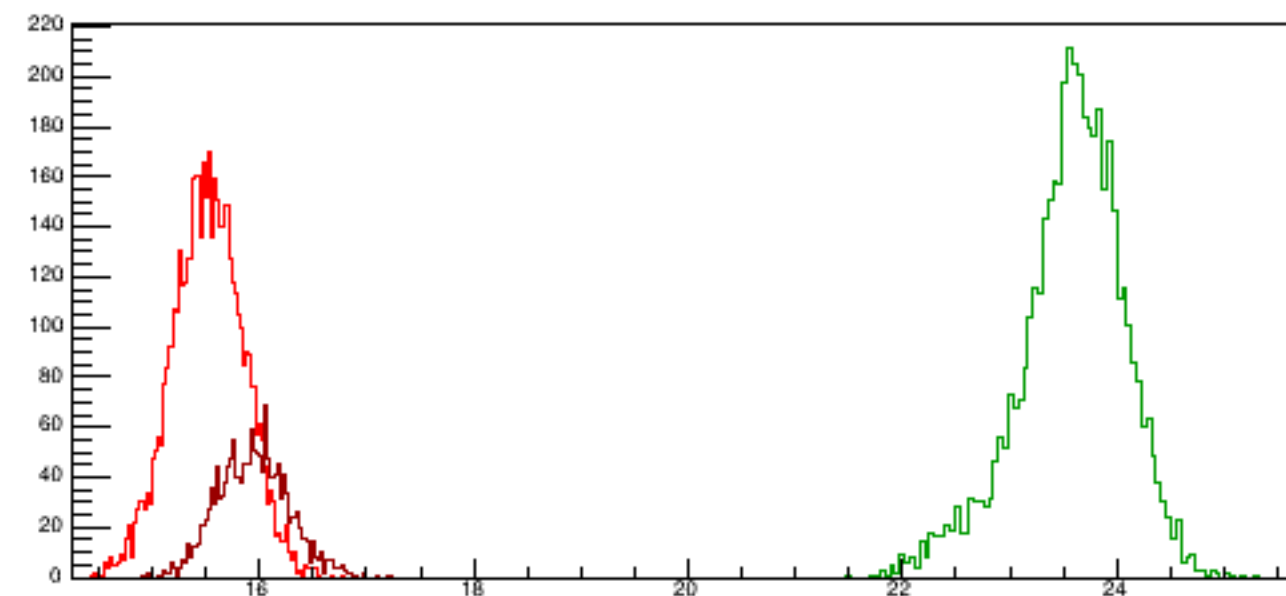
Std Dev: 0.4965 +/- 0.0052

Entries: 1579

Mean: 15.9401 +/- 0.0084

Std Dev: 0.3331 +/- 0.0059

Run 4574 quartetwise, Sums



## Cycle 2, Asyms

Entries: 4712

Mean: 0.0041 +/- 0.0005

Std Dev: 0.0364 +/- 0.0004

Entries: 4614

Mean: 0.0178 +/- 0.0006

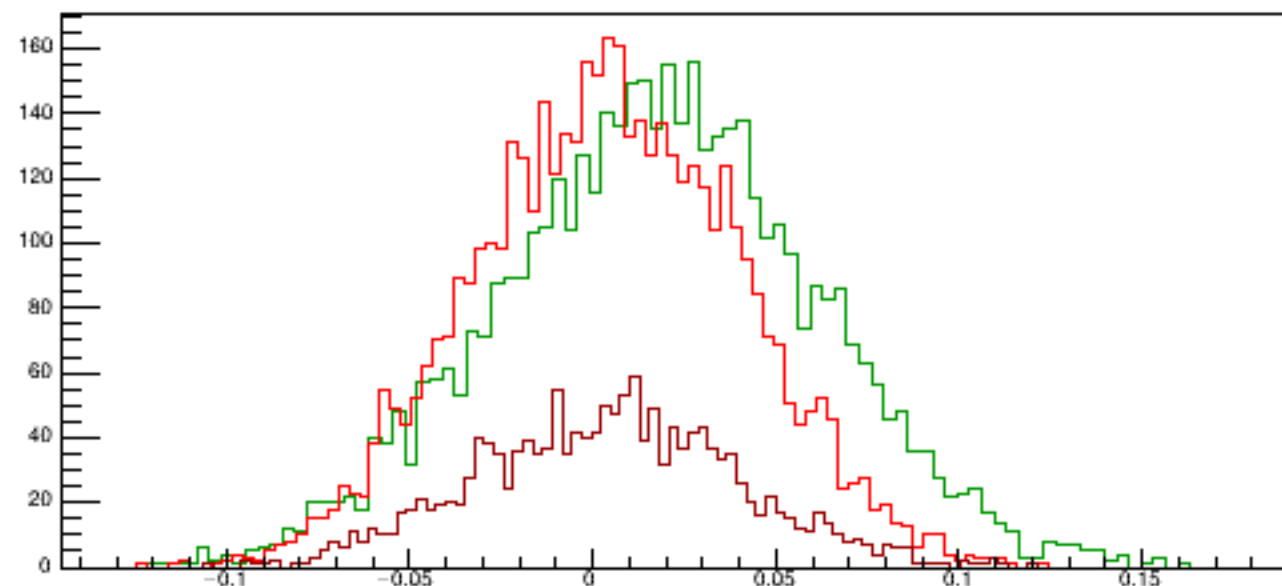
Std Dev: 0.0435 +/- 0.0005

Entries: 1579

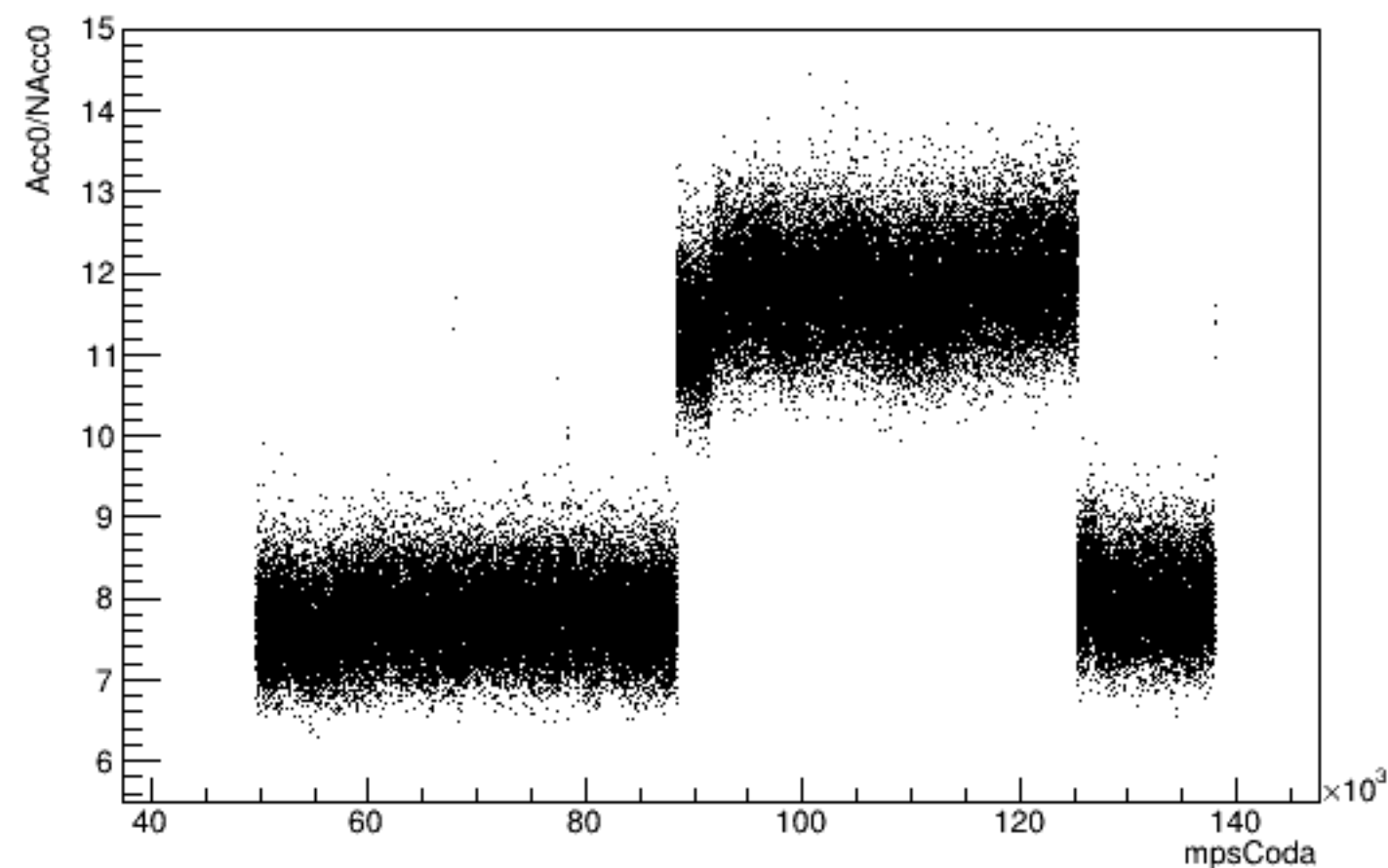
Mean: 0.0042 +/- 0.0009

Std Dev: 0.0356 +/- 0.0006

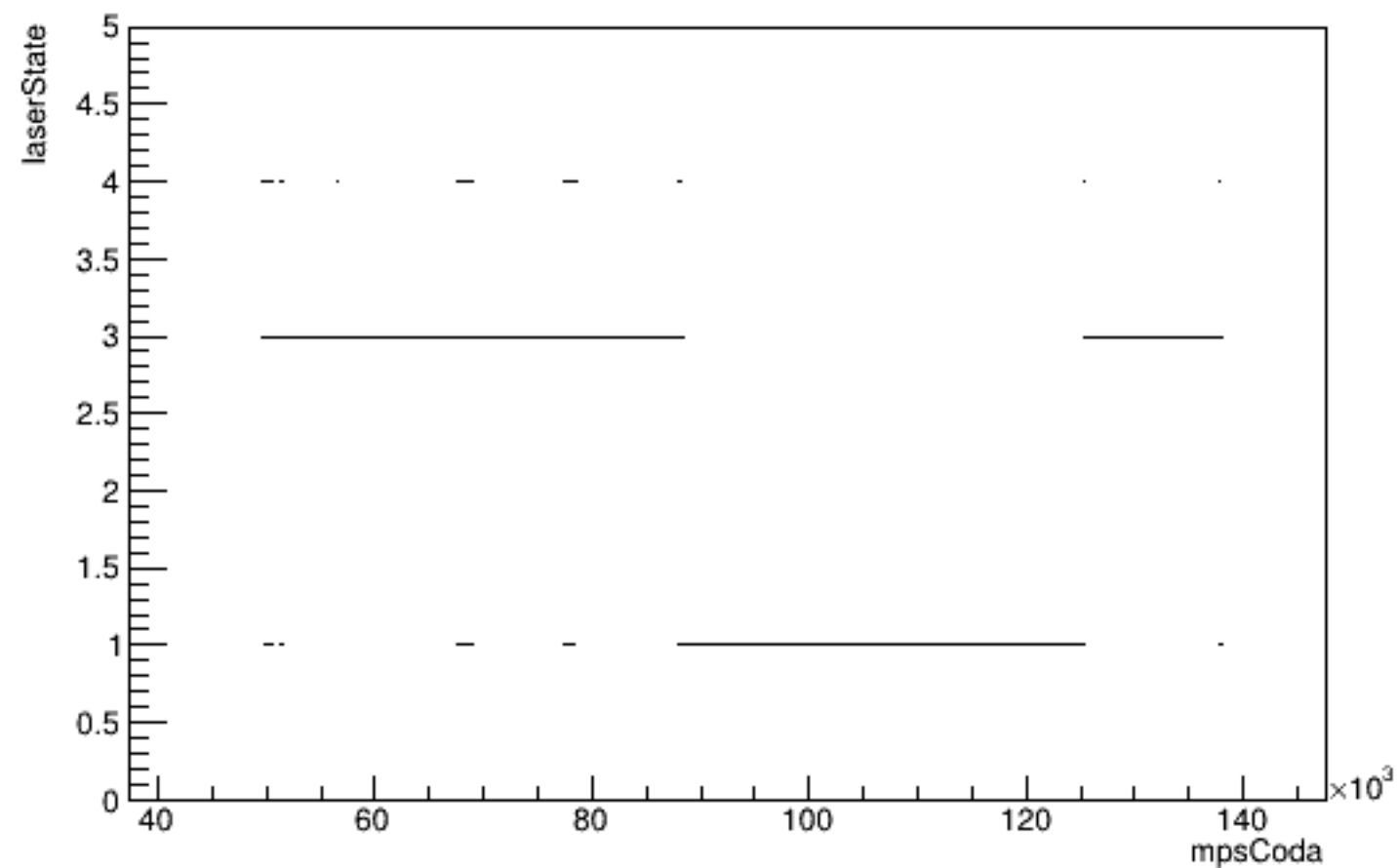
Run 4574 quartetwise, Asyms



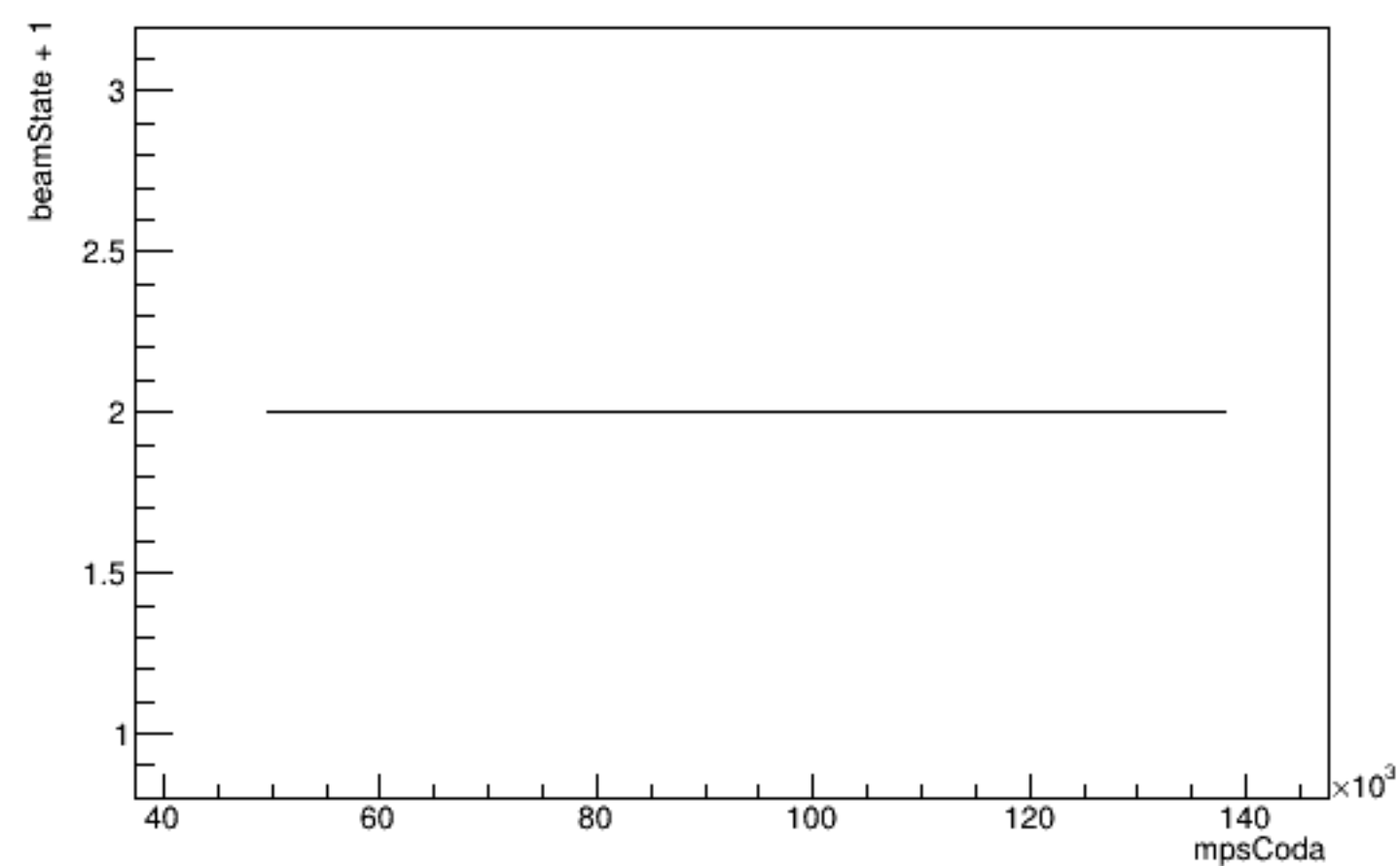
Acc0/NAcc0:mpsCoda {mpsCoda>=49666 && mpsCoda<=137945 && beamState==1}



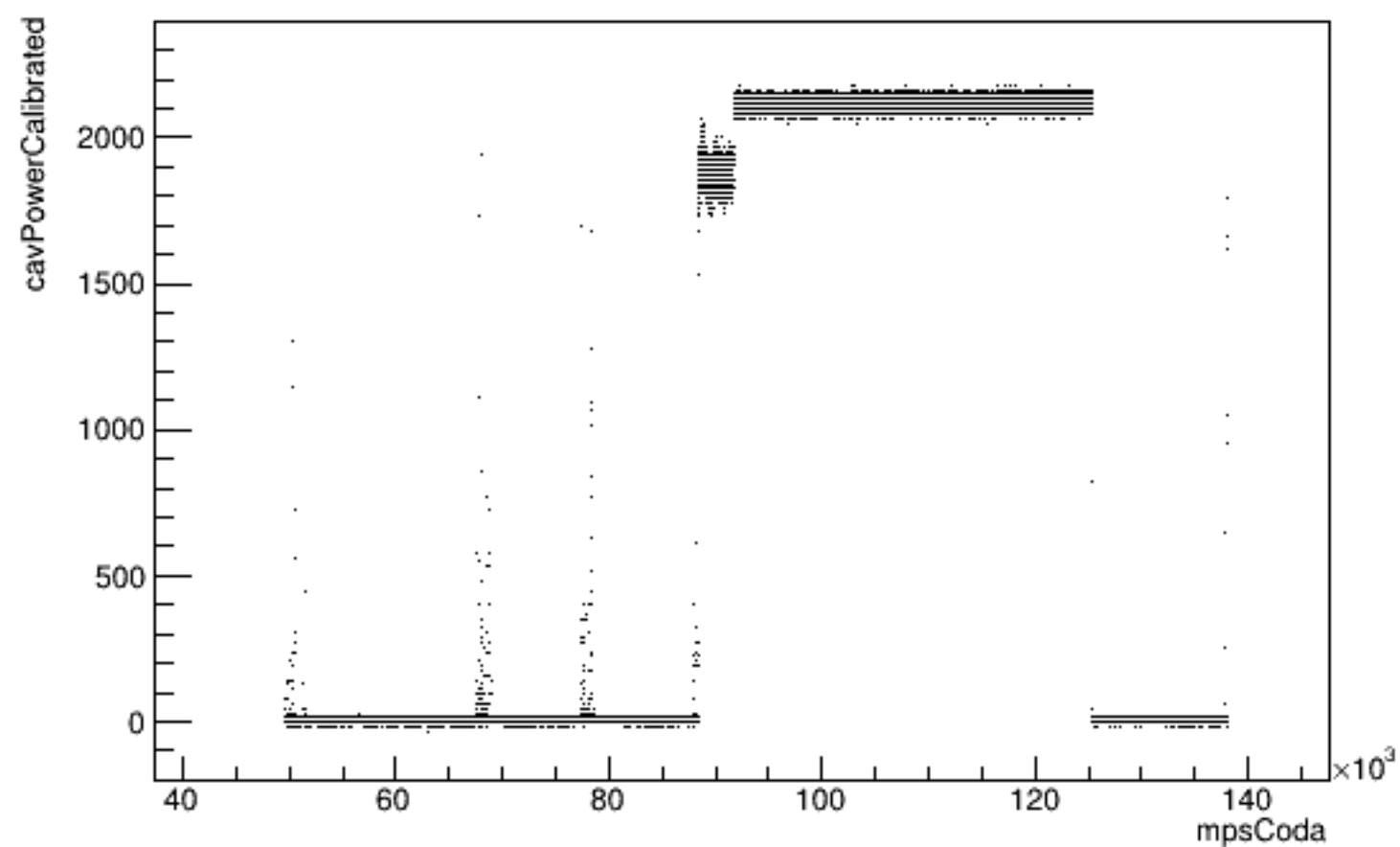
laserState:mpsCoda {mpsCoda&gt;=49666 &amp;&amp; mpsCoda&lt;=137945}



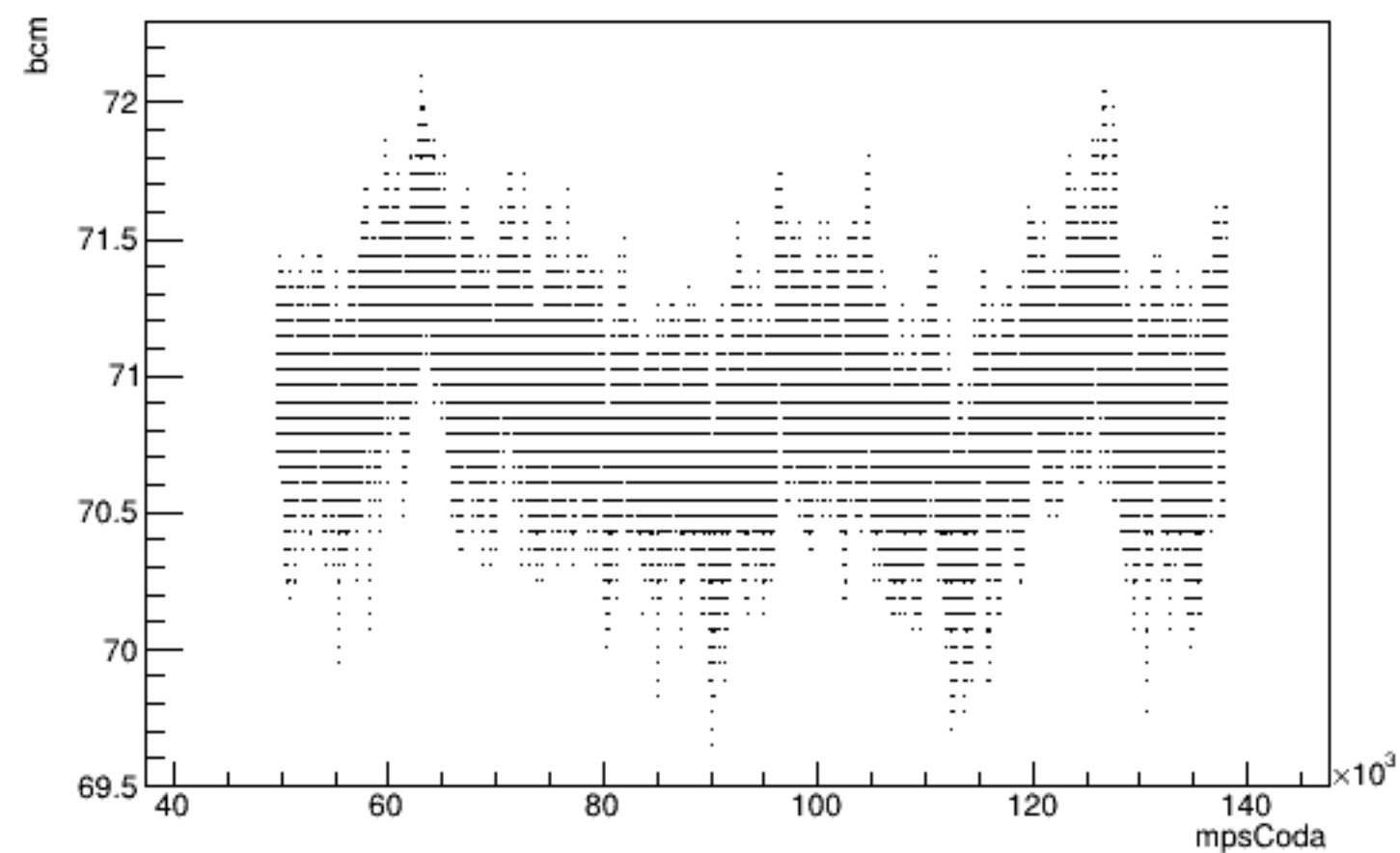
beamState + 1:mpsCoda {mpsCoda&gt;=49666 &amp;&amp; mpsCoda&lt;=137945}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=49666 &amp;&amp; mpsCoda&lt;=137945}



bcm:mpsCoda {mpsCoda&gt;=49666 &amp;&amp; mpsCoda&lt;=137945}



## Cycle 3, Diffs

Entries: 1579

Mean: 0.0327 +/- 0.0070

Std Dev: 0.2791 +/- 0.0050

Entries: 3608

Mean: 0.1434 +/- 0.0057

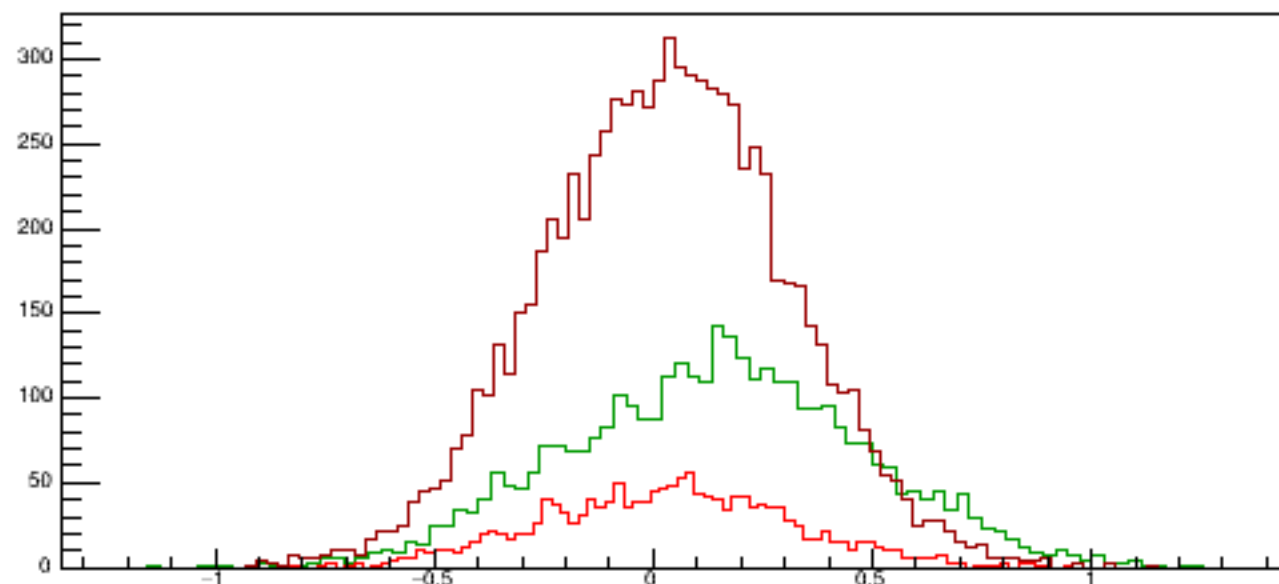
Std Dev: 0.3402 +/- 0.0040

Entries: 8450

Mean: 0.0284 +/- 0.0030

Std Dev: 0.2790 +/- 0.0021

Run 4574 quartetwise, Diffs



## Cycle 3, Sums

Entries: 1579

Mean: 15.9401 +/- 0.0084

Std Dev: 0.3331 +/- 0.0059

Entries: 3608

Mean: 23.9897 +/- 0.0078

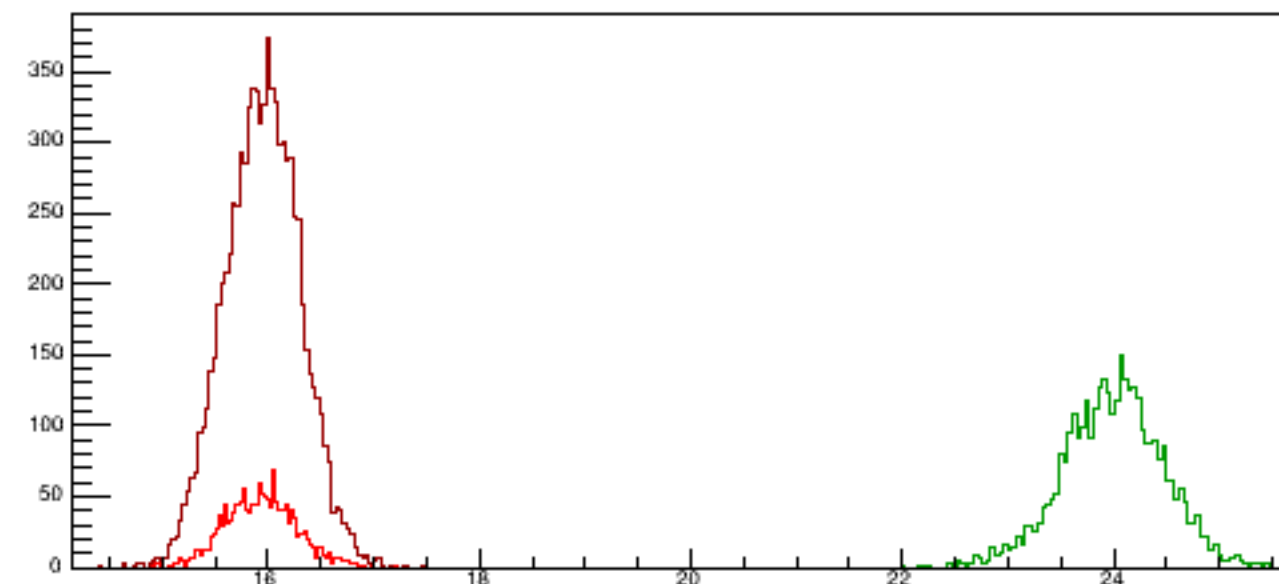
Std Dev: 0.4694 +/- 0.0055

Entries: 8450

Mean: 15.9508 +/- 0.0038

Std Dev: 0.3521 +/- 0.0027

Run 4574 quartetwise, Sums



## Cycle 3, Asyms

Entries: 1579

Mean: 0.0041 +/- 0.0009

Std Dev: 0.0347 +/- 0.0006

Entries: 3608

Mean: 0.0179 +/- 0.0007

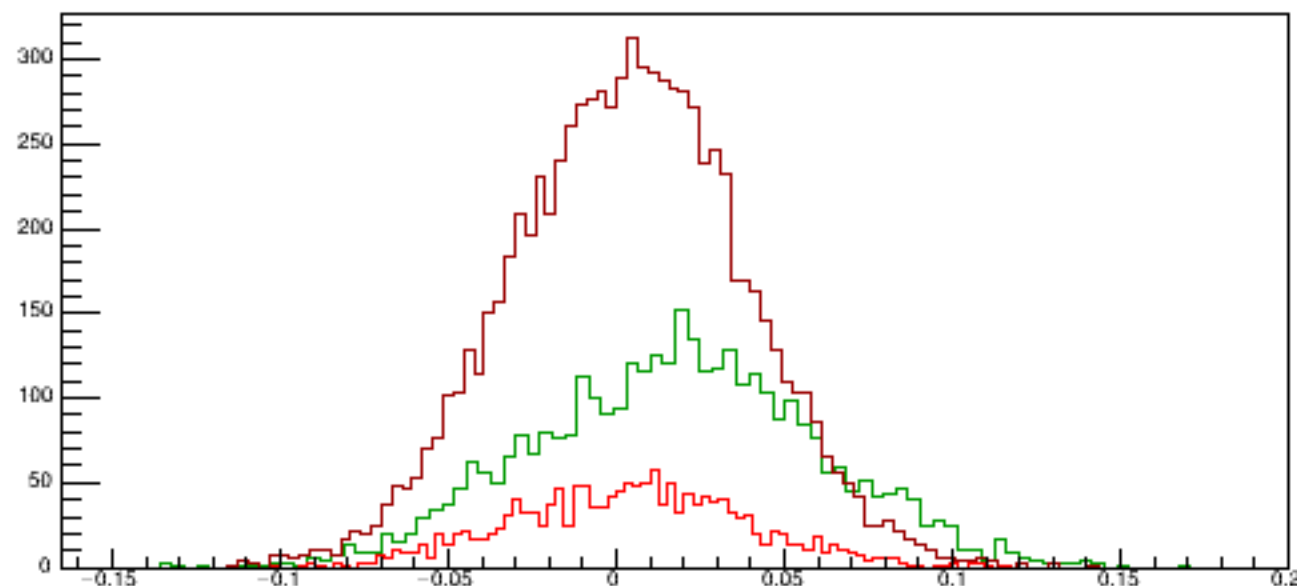
Std Dev: 0.0424 +/- 0.0005

Entries: 8450

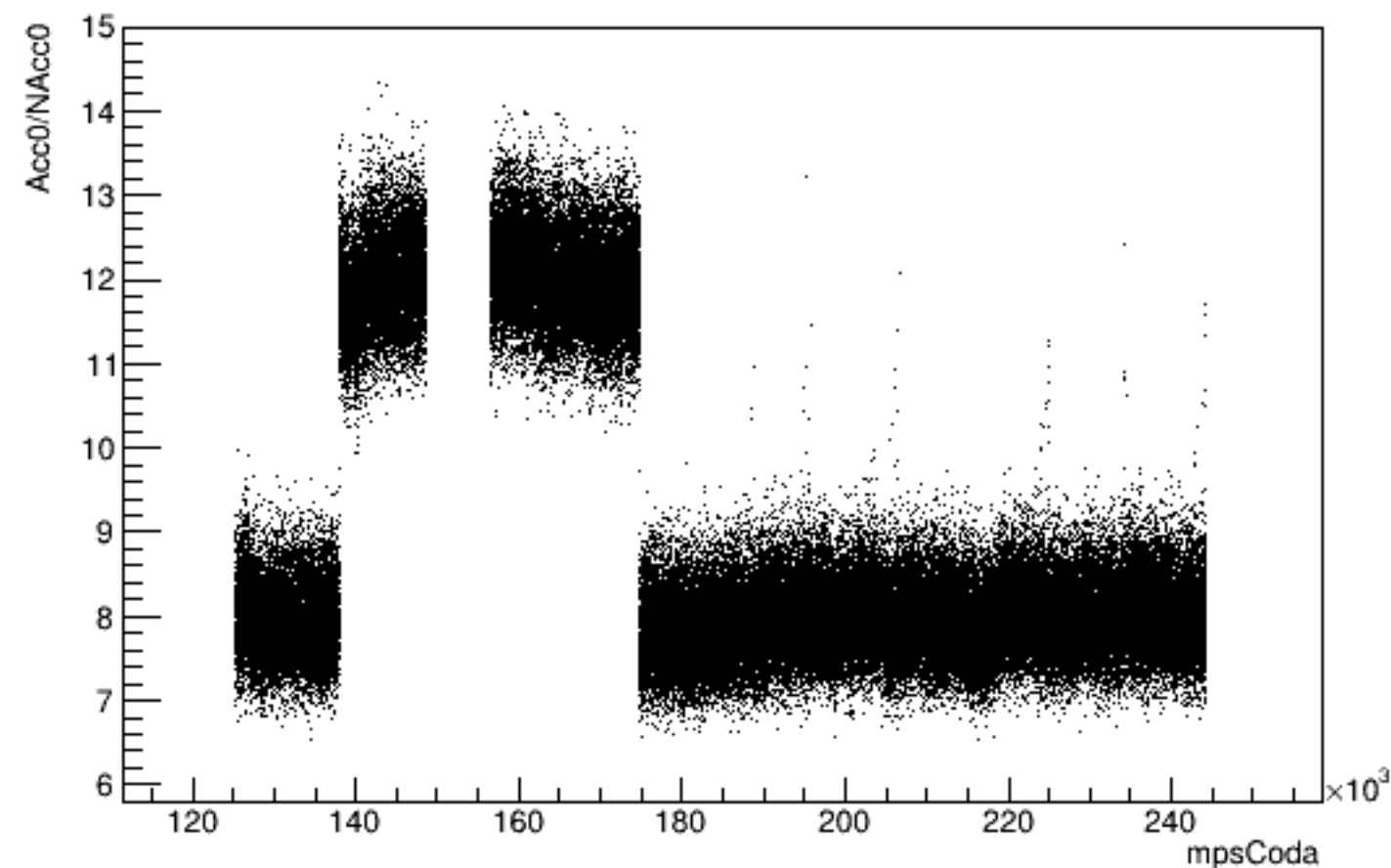
Mean: 0.0035 +/- 0.0004

Std Dev: 0.0347 +/- 0.0003

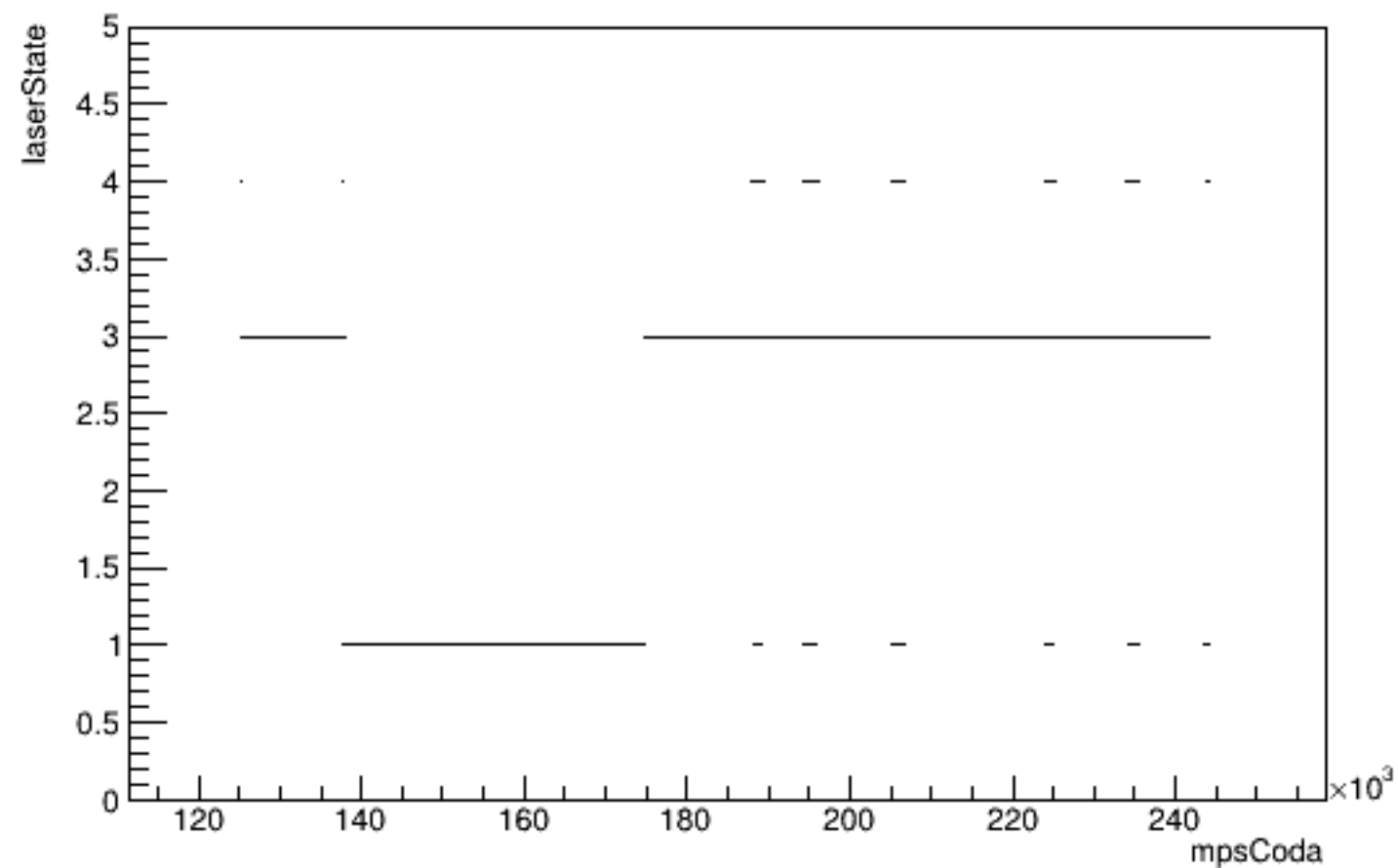
Run 4574 quartetwise, Asyms



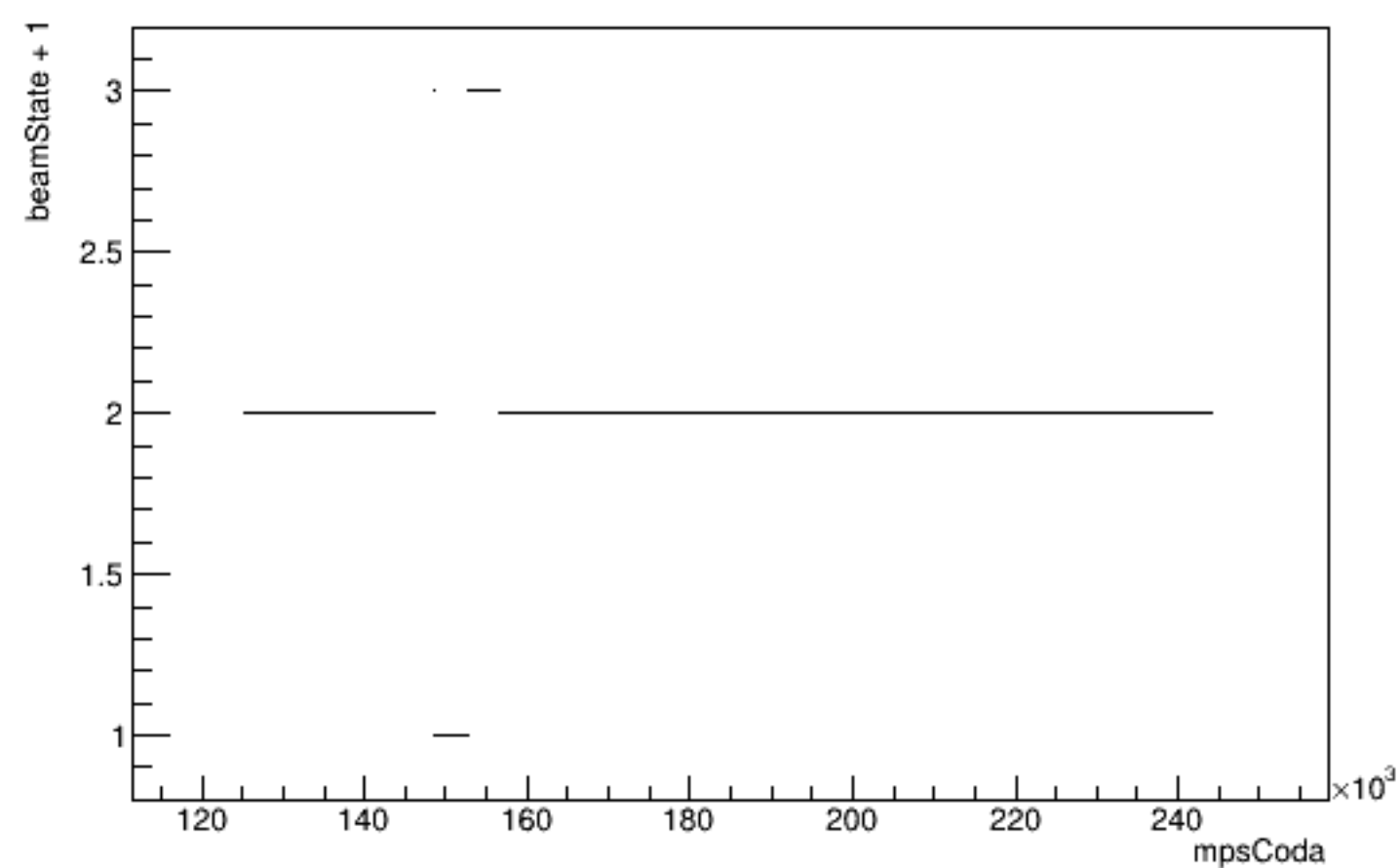
Acc0/NAcc0:mpsCoda {mpsCoda>=125274 && mpsCoda<=244169 && beamState==1}



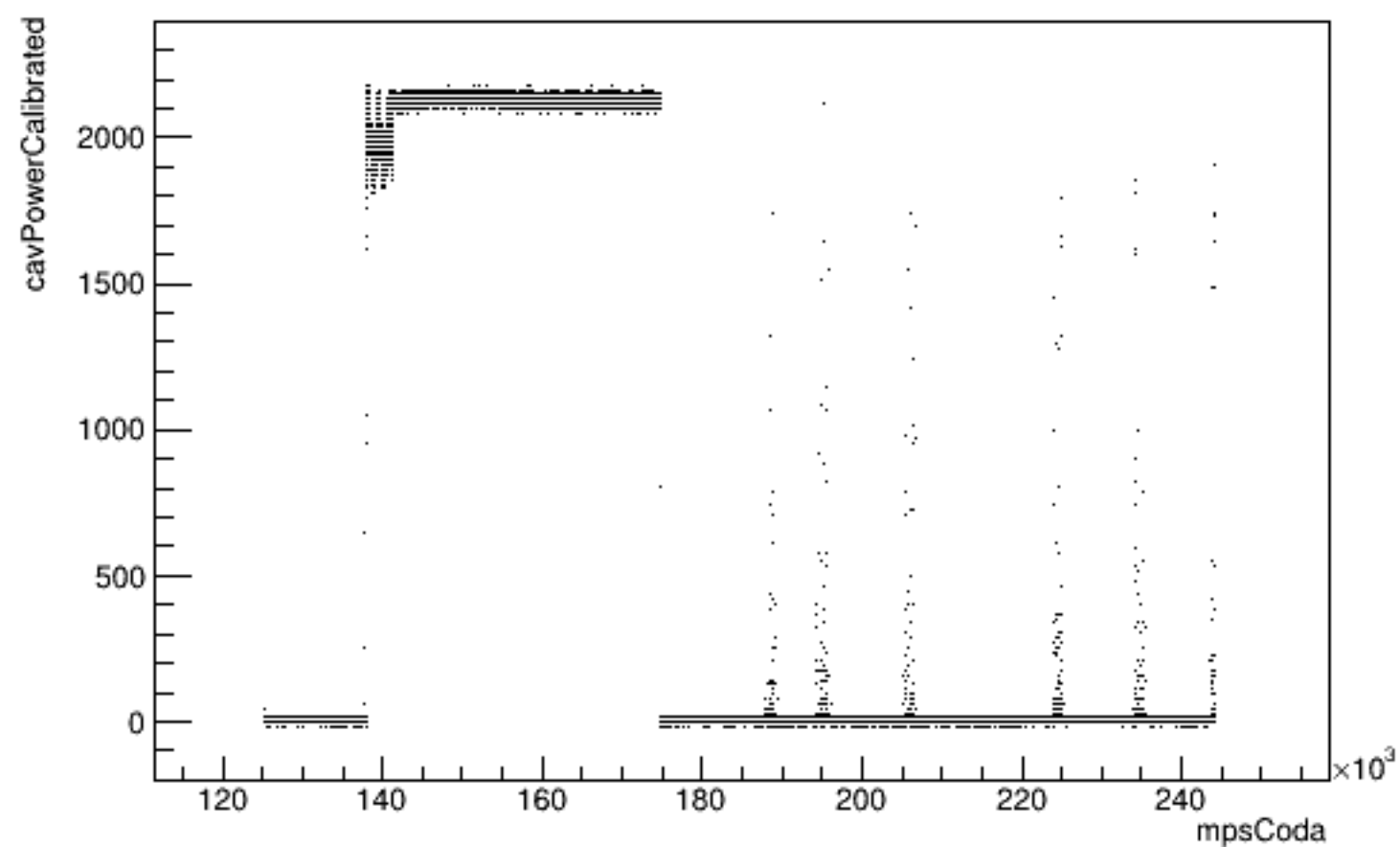
laserState:mpsCoda {mpsCoda&gt;=125274 &amp;&amp; mpsCoda&lt;=244169}



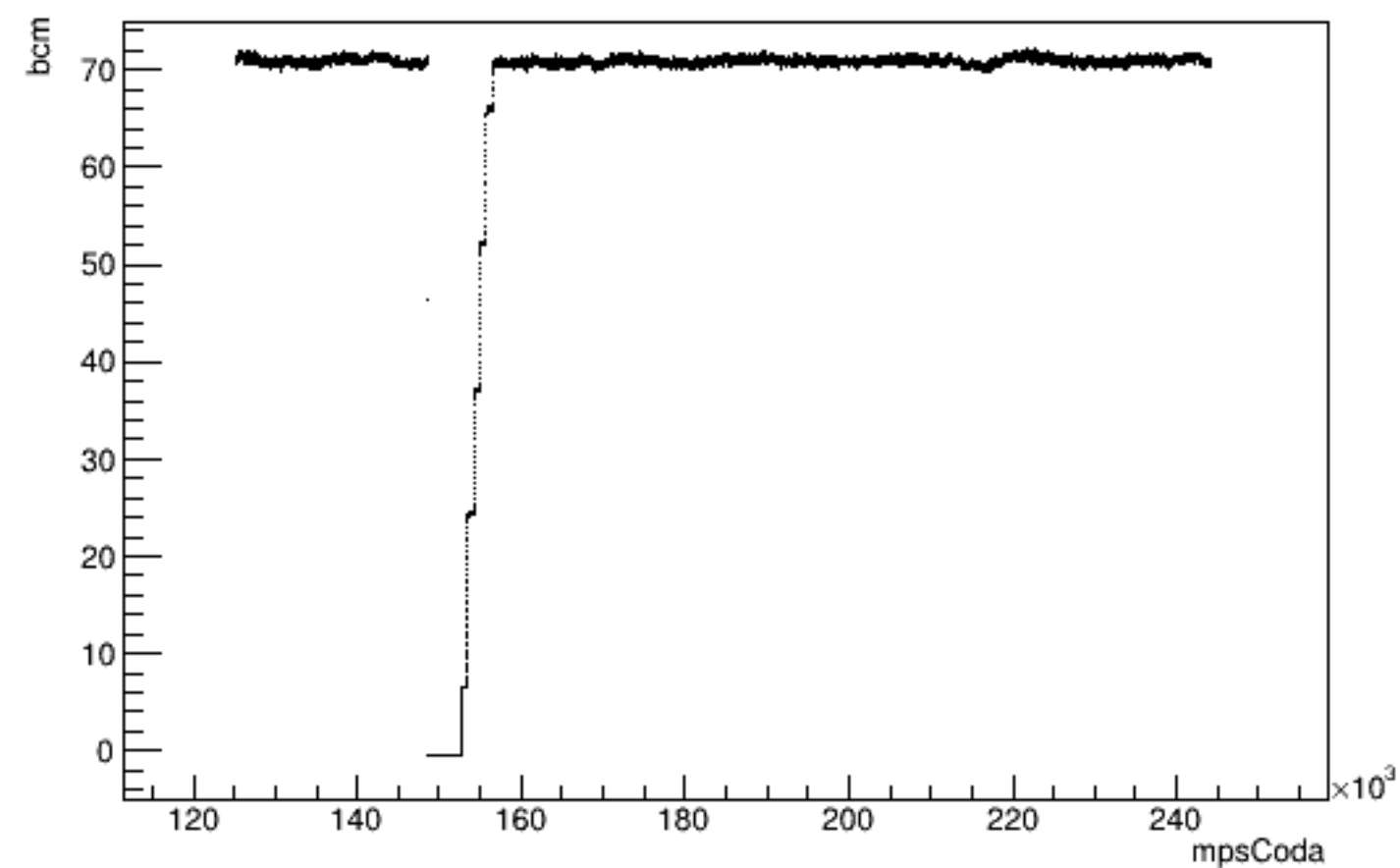
beamState + 1:mpsCoda {mpsCoda&gt;=125274 &amp;&amp; mpsCoda&lt;=244169}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=125274 &amp;&amp; mpsCoda&lt;=244169}



bcm:mpsCoda {mpsCoda&gt;=125274 &amp;&amp; mpsCoda&lt;=244169}



## Cycle 4, Diffs

Entries: 8450

Mean: 0.0284 +/- 0.0030

Std Dev: 0.2790 +/- 0.0021

Entries: 1926

Mean: 0.1310 +/- 0.0075

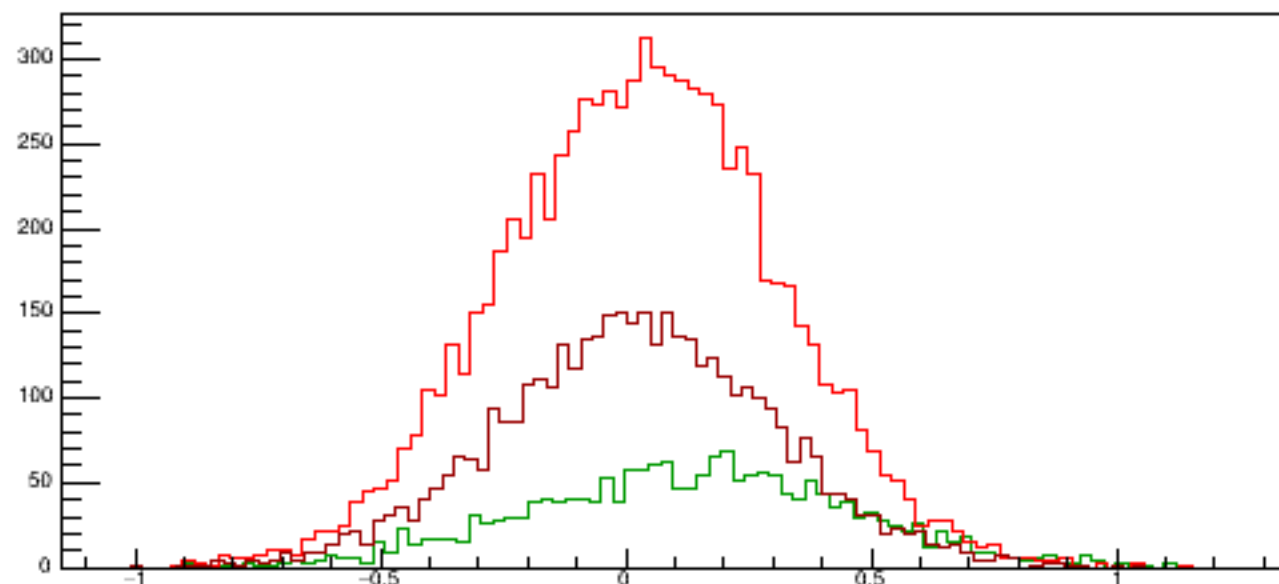
Std Dev: 0.3286 +/- 0.0053

Entries: 4219

Mean: 0.0221 +/- 0.0043

Std Dev: 0.2796 +/- 0.0030

Run 4574 quartetwise, Diffs



## Cycle 4, Sums

Entries: 8450

Mean: 15.9508 +/- 0.0038

Std Dev: 0.3521 +/- 0.0027

Entries: 1926

Mean: 23.6771 +/- 0.0095

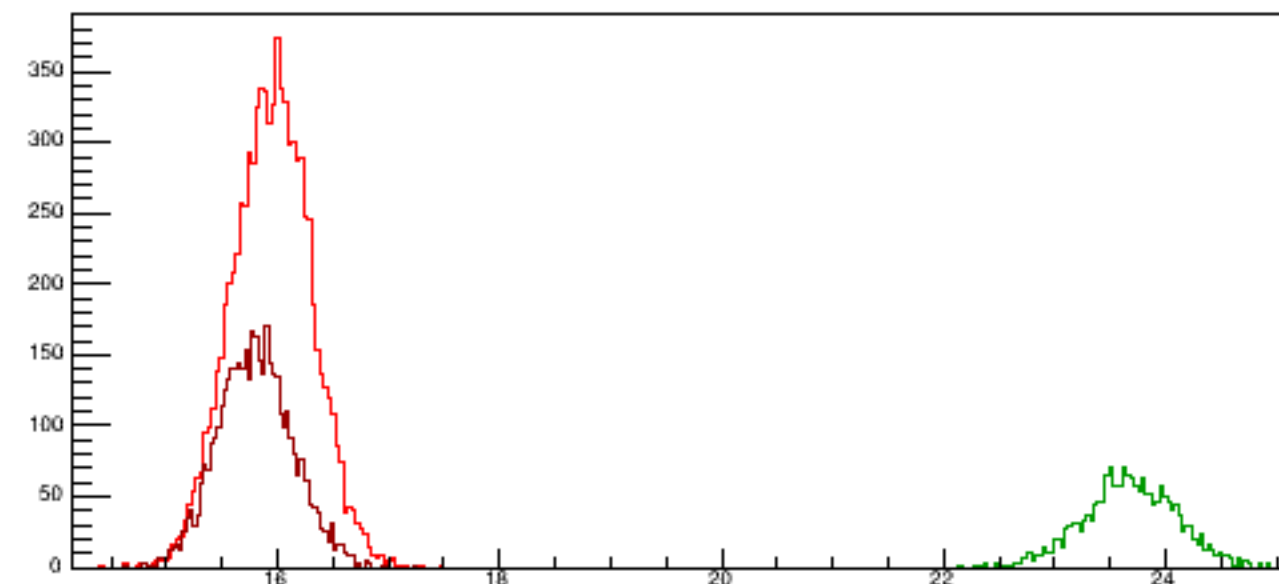
Std Dev: 0.4150 +/- 0.0067

Entries: 4219

Mean: 15.7994 +/- 0.0051

Std Dev: 0.3334 +/- 0.0036

Run 4574 quartetwise, Sums



## Cycle 4, Asyms

Entries: 8450

Mean: 0.0036 +/- 0.0004

Std Dev: 0.0358 +/- 0.0003

Entries: 1926

Mean: 0.0168 +/- 0.0010

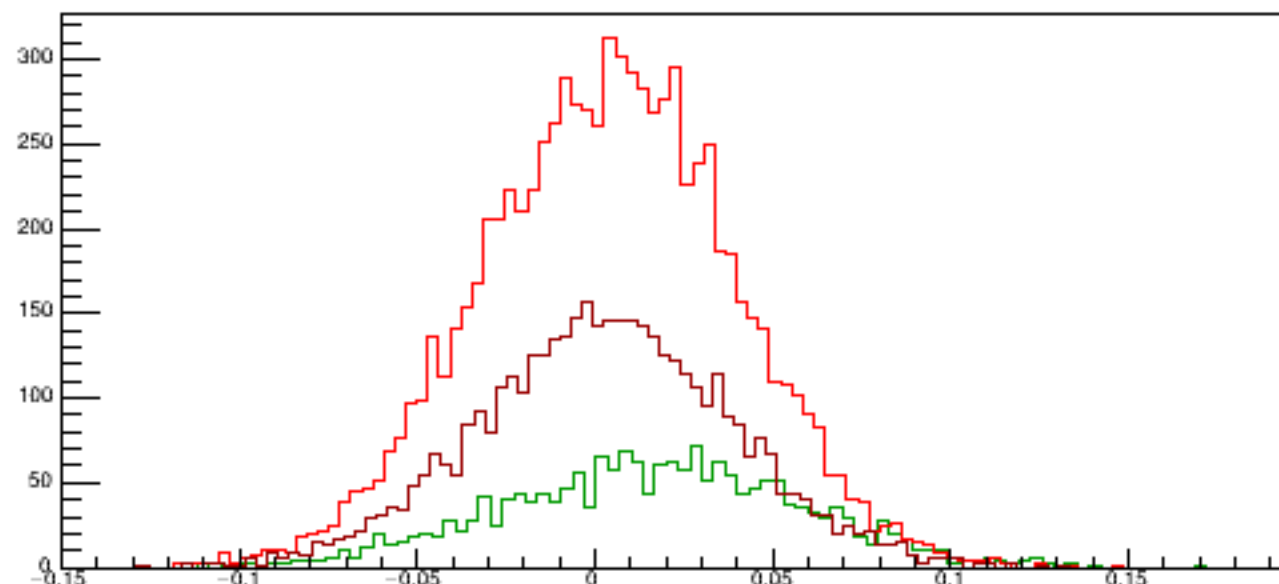
Std Dev: 0.0421 +/- 0.0007

Entries: 4219

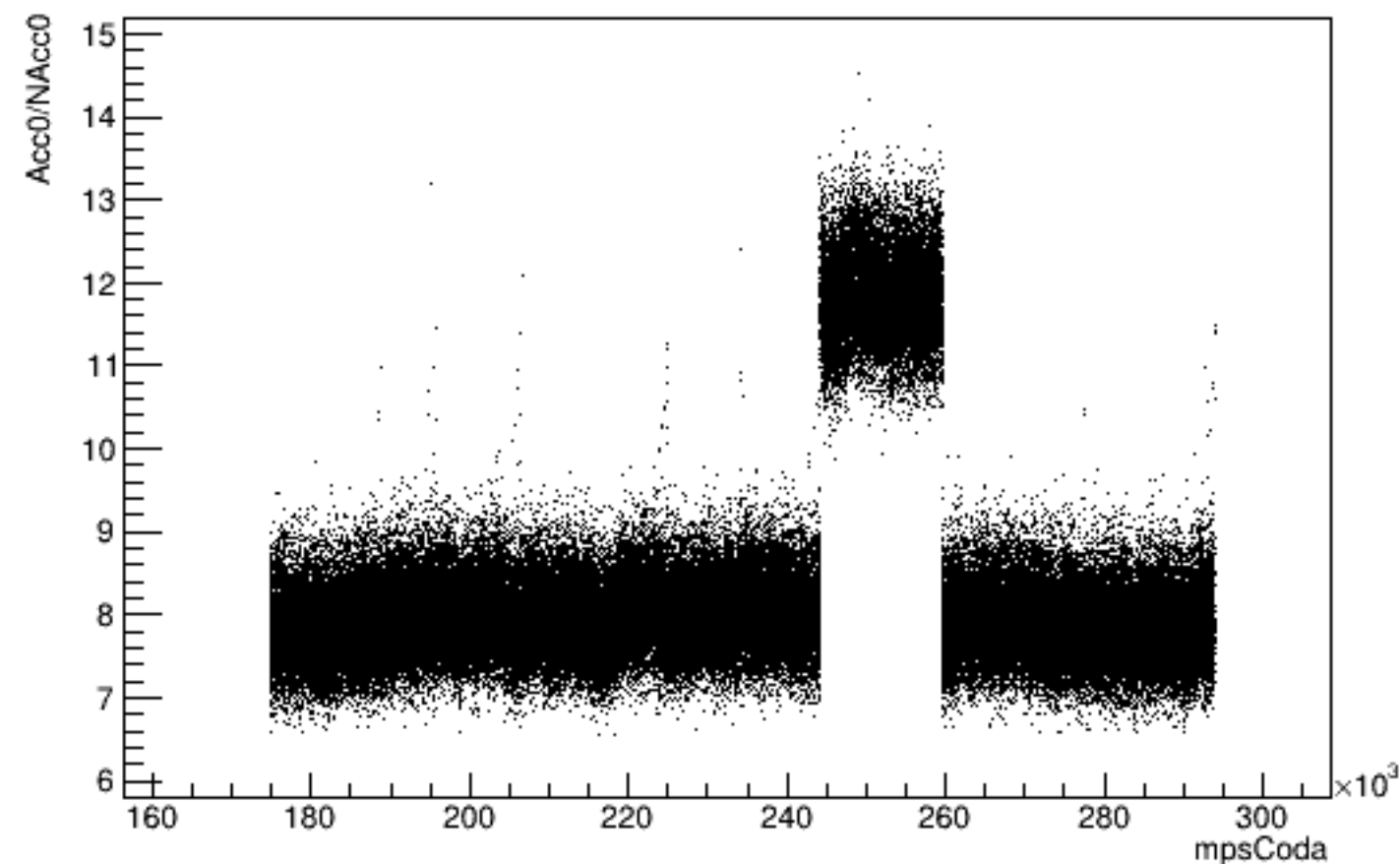
Mean: 0.0028 +/- 0.0006

Std Dev: 0.0358 +/- 0.0004

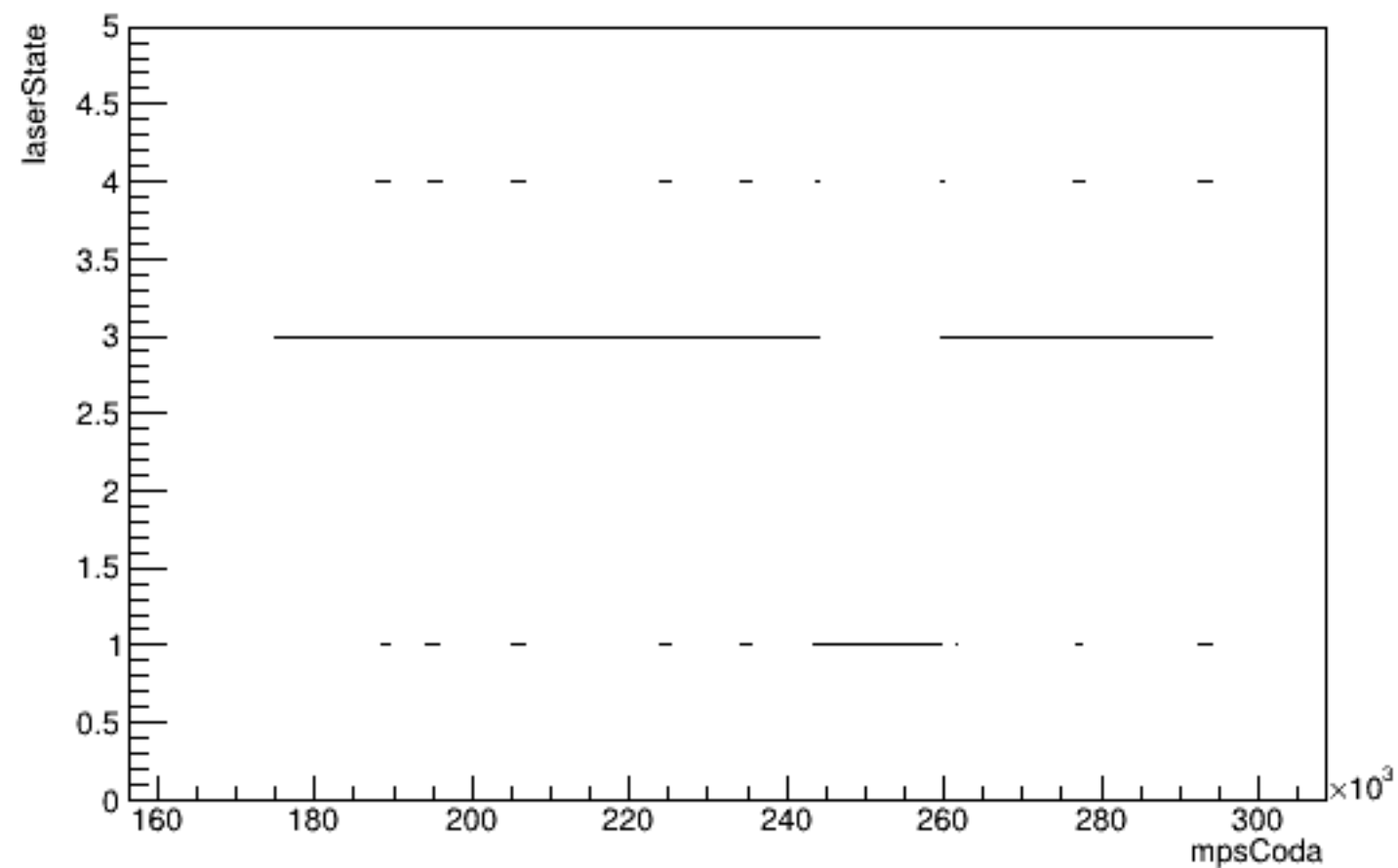
Run 4574 quartetwise, Asyms



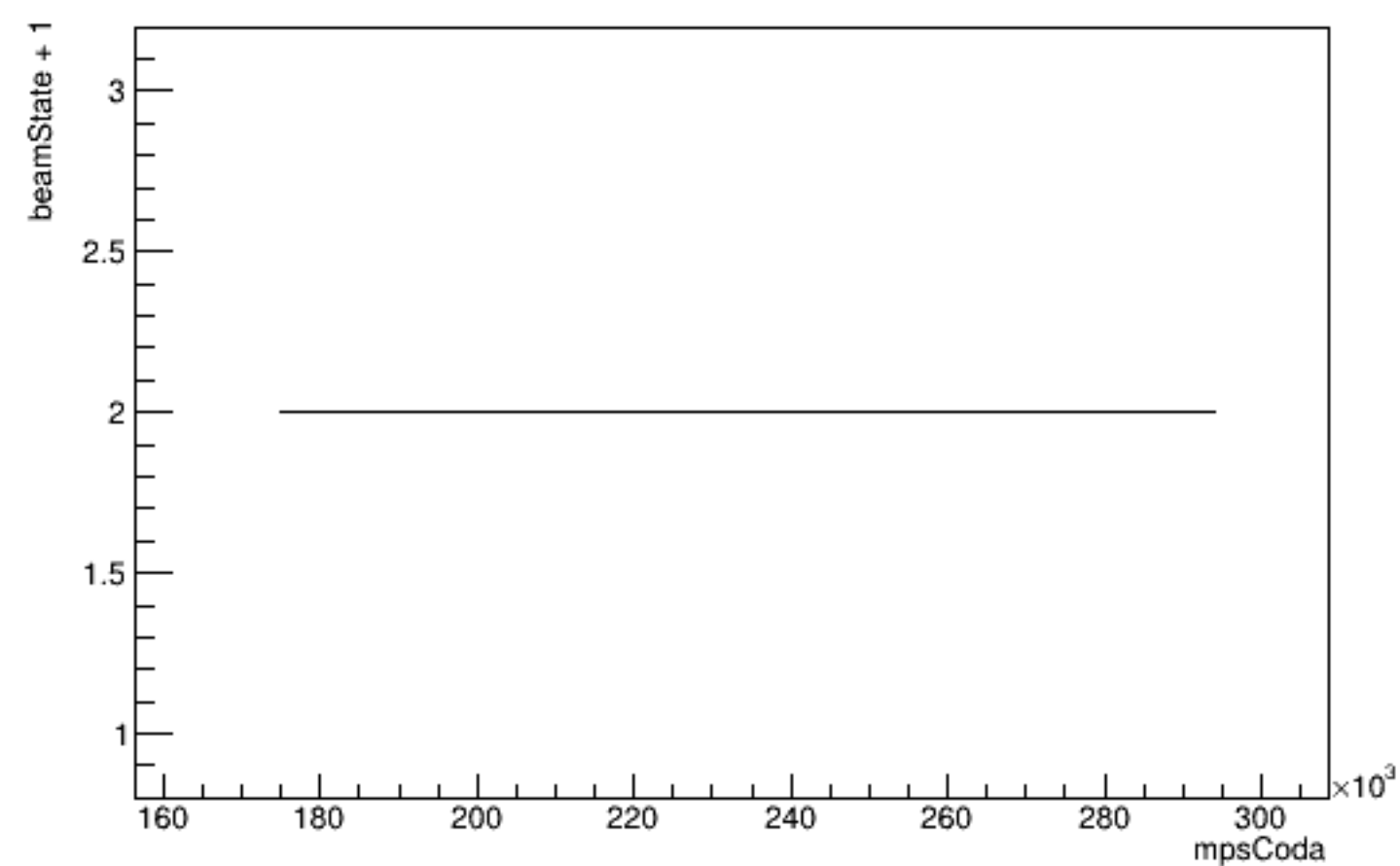
Acc0/NAcc0:mpsCoda {mpsCoda>=174794 && mpsCoda<=293913 && beamState==1}



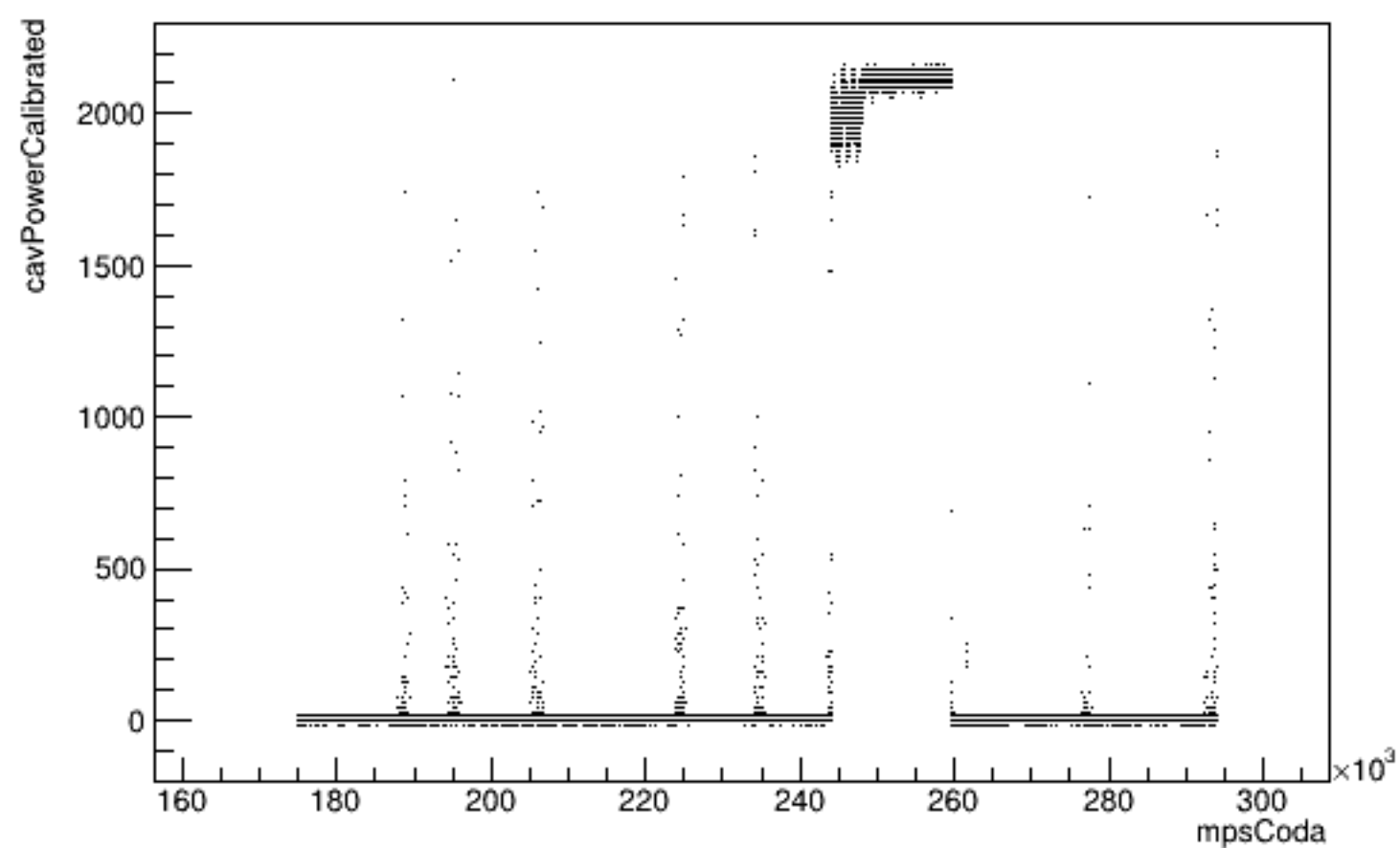
laserState:mpsCoda {mpsCoda&gt;=174794 &amp;&amp; mpsCoda&lt;=293913}



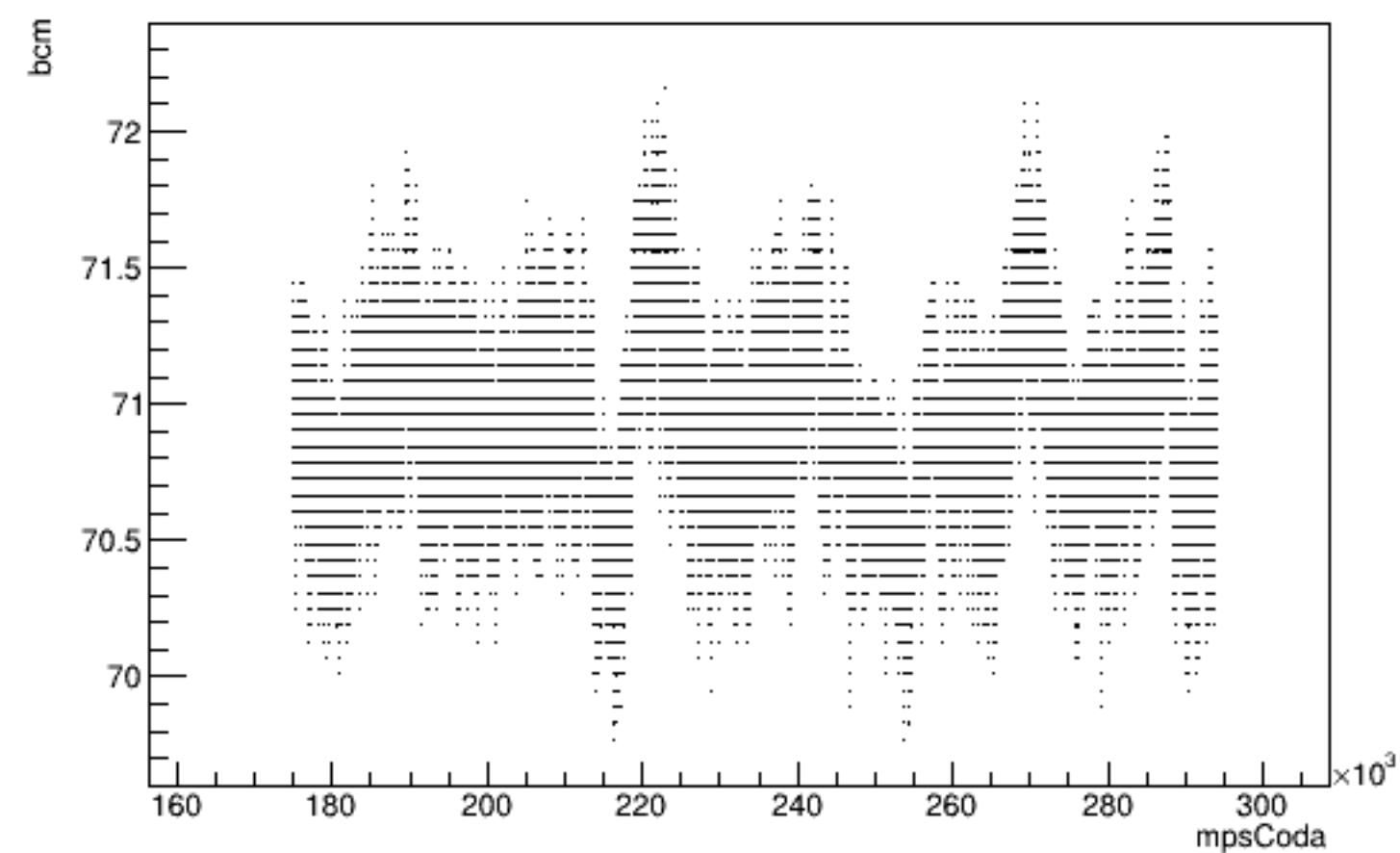
beamState + 1:mpsCoda {mpsCoda&gt;=174794 &amp;&amp; mpsCoda&lt;=293913}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=174794 &amp;&amp; mpsCoda&lt;=293913}



bcm:mpsCoda {mpsCoda&gt;=174794 &amp;&amp; mpsCoda&lt;=293913}



## Cycle 5, Diffs

Entries: 4219

Mean: 0.0221 +/- 0.0043

Std Dev: 0.2796 +/- 0.0030

Entries: 4590

Mean: 0.1440 +/- 0.0050

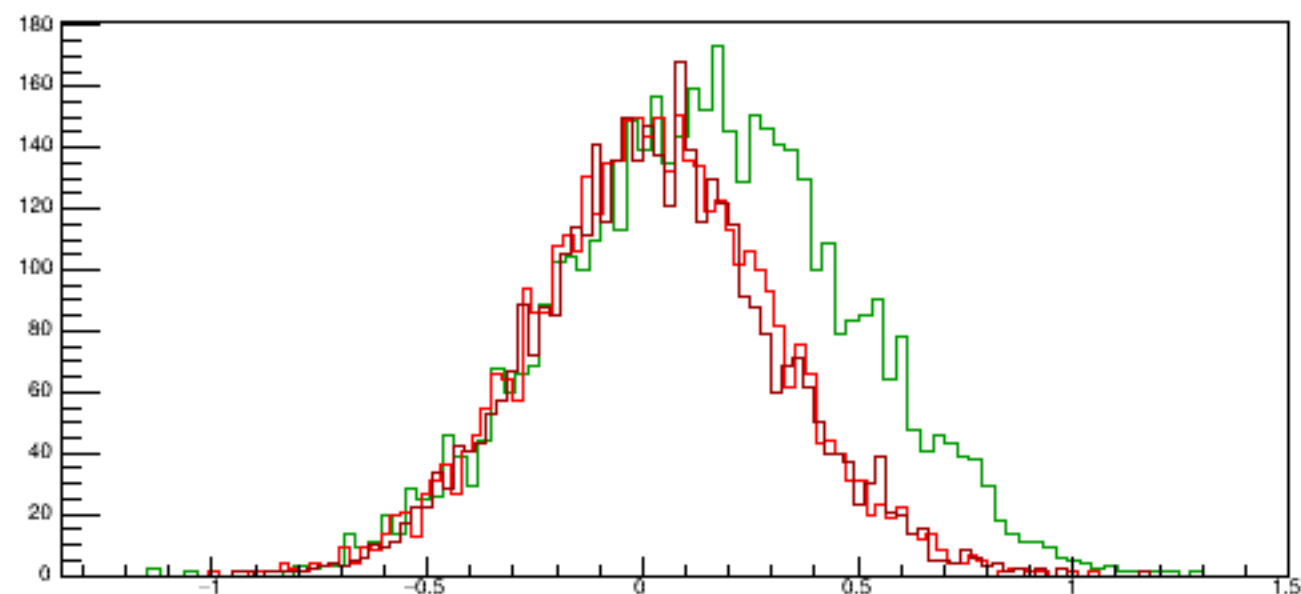
Std Dev: 0.3368 +/- 0.0035

Entries: 3916

Mean: 0.0272 +/- 0.0044

Std Dev: 0.2782 +/- 0.0031

Run 4574 quartetwise, Diffs



## Cycle 5, Sums

Entries: 4219

Mean: 15.7994 +/- 0.0051

Std Dev: 0.3334 +/- 0.0036

Entries: 4590

Mean: 23.6484 +/- 0.0066

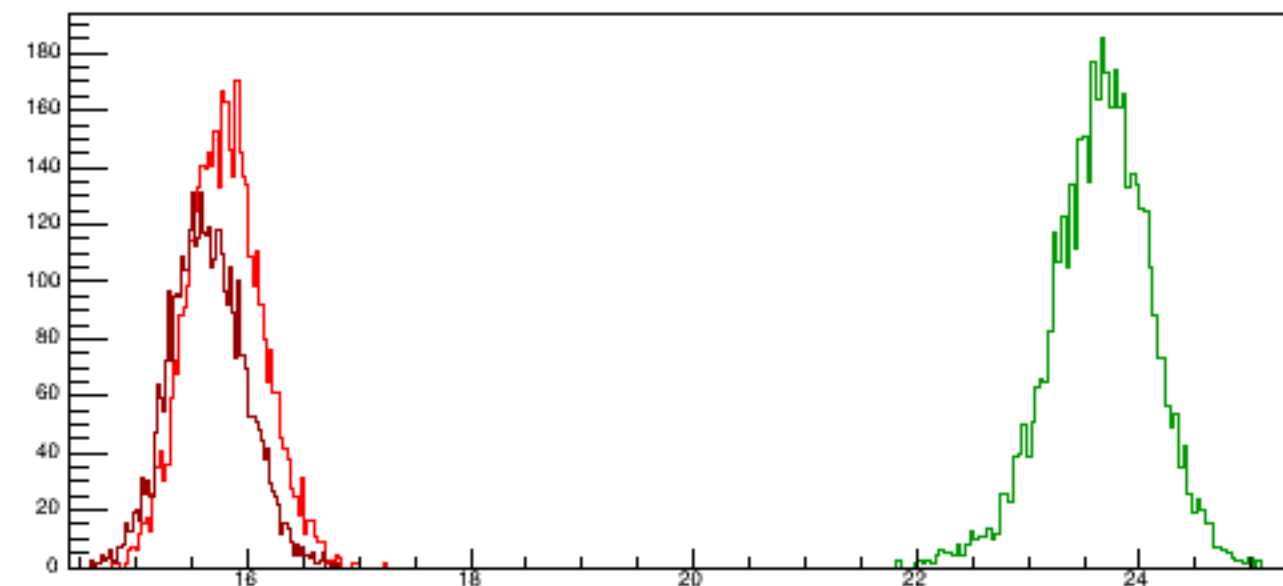
Std Dev: 0.4486 +/- 0.0047

Entries: 3916

Mean: 15.6398 +/- 0.0053

Std Dev: 0.3341 +/- 0.0038

Run 4574 quartetwise, Sums



## Cycle 5, Asyms

Entries: 4219

Mean: 0.0028 +/- 0.0005

Std Dev: 0.0353 +/- 0.0004

Entries: 4590

Mean: 0.0182 +/- 0.0006

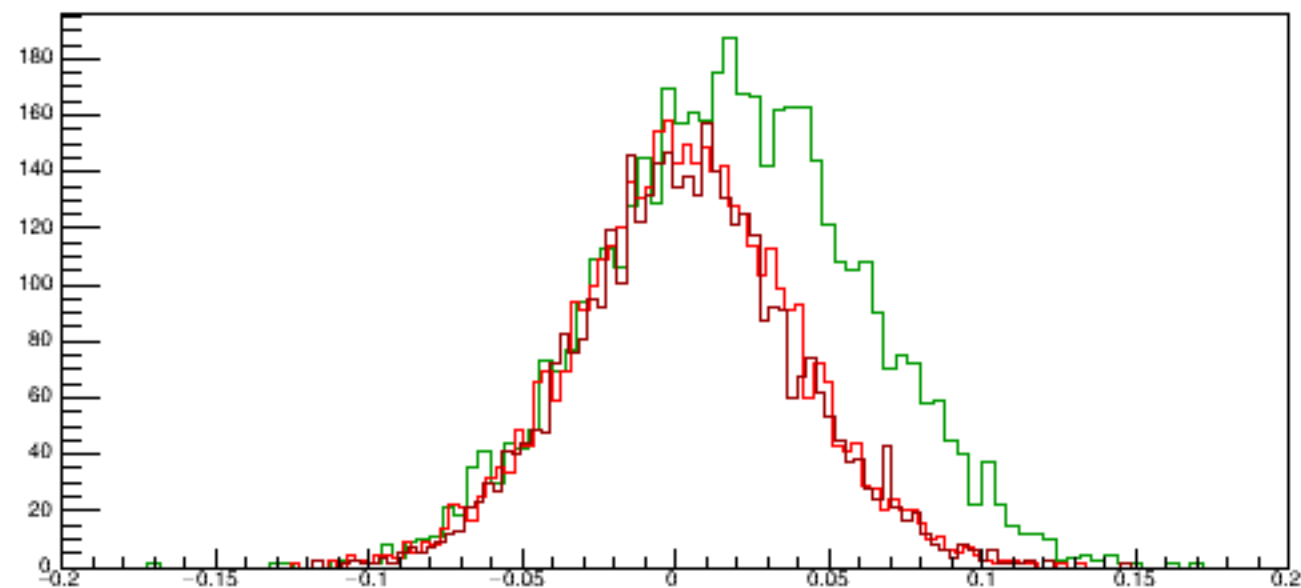
Std Dev: 0.0425 +/- 0.0004

Entries: 3916

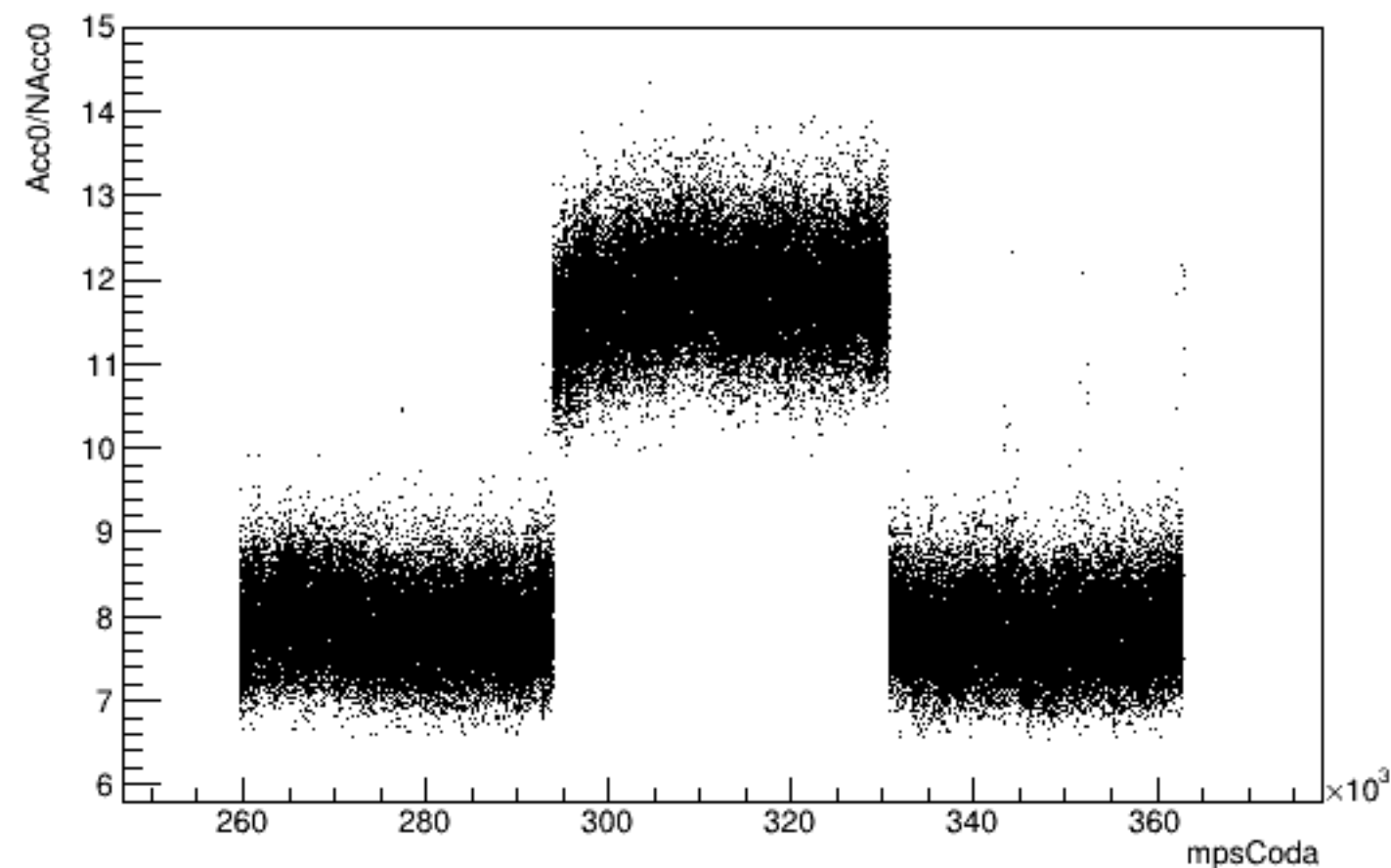
Mean: 0.0034 +/- 0.0006

Std Dev: 0.0351 +/- 0.0004

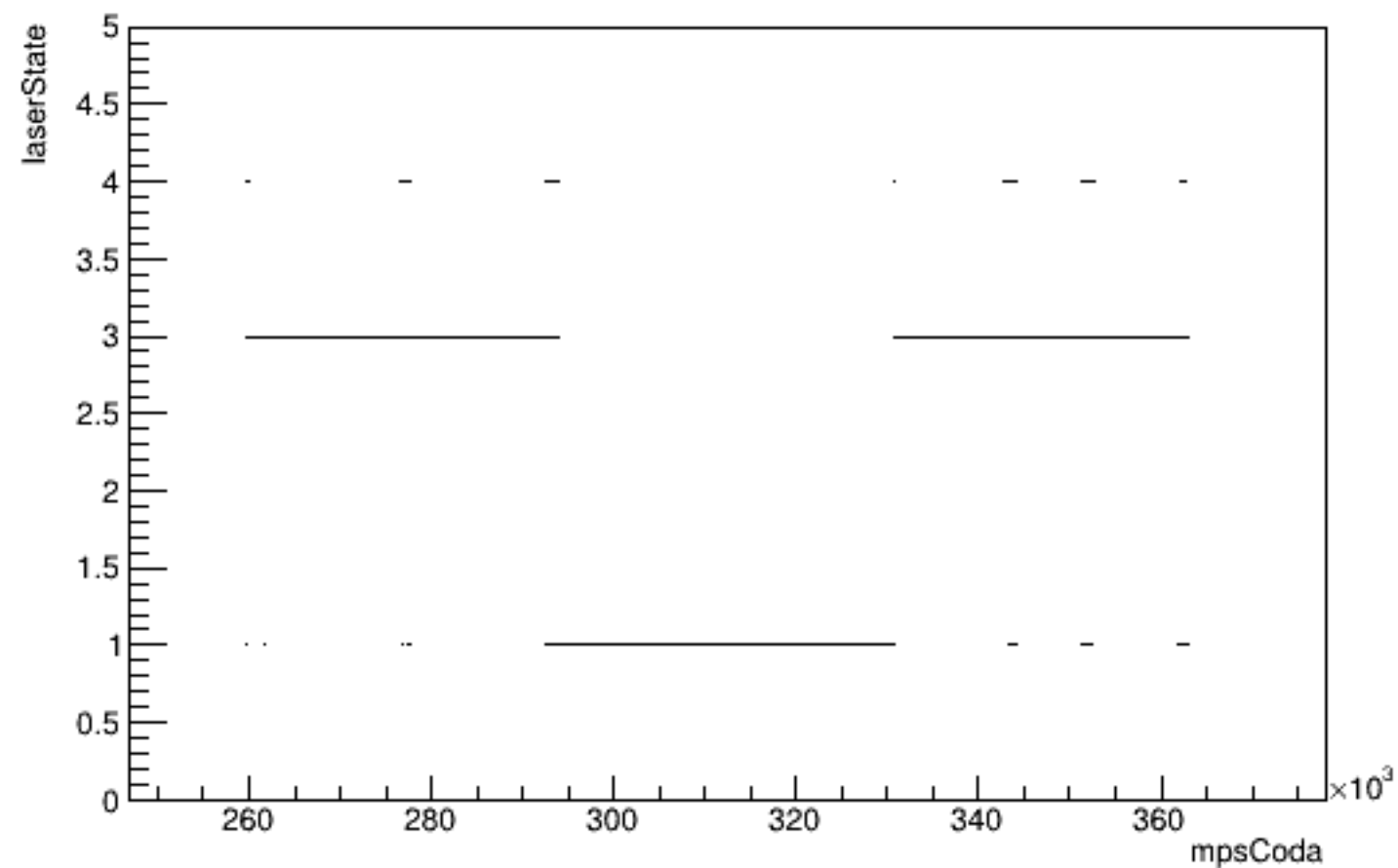
Run 4574 quartetwise, Asyms



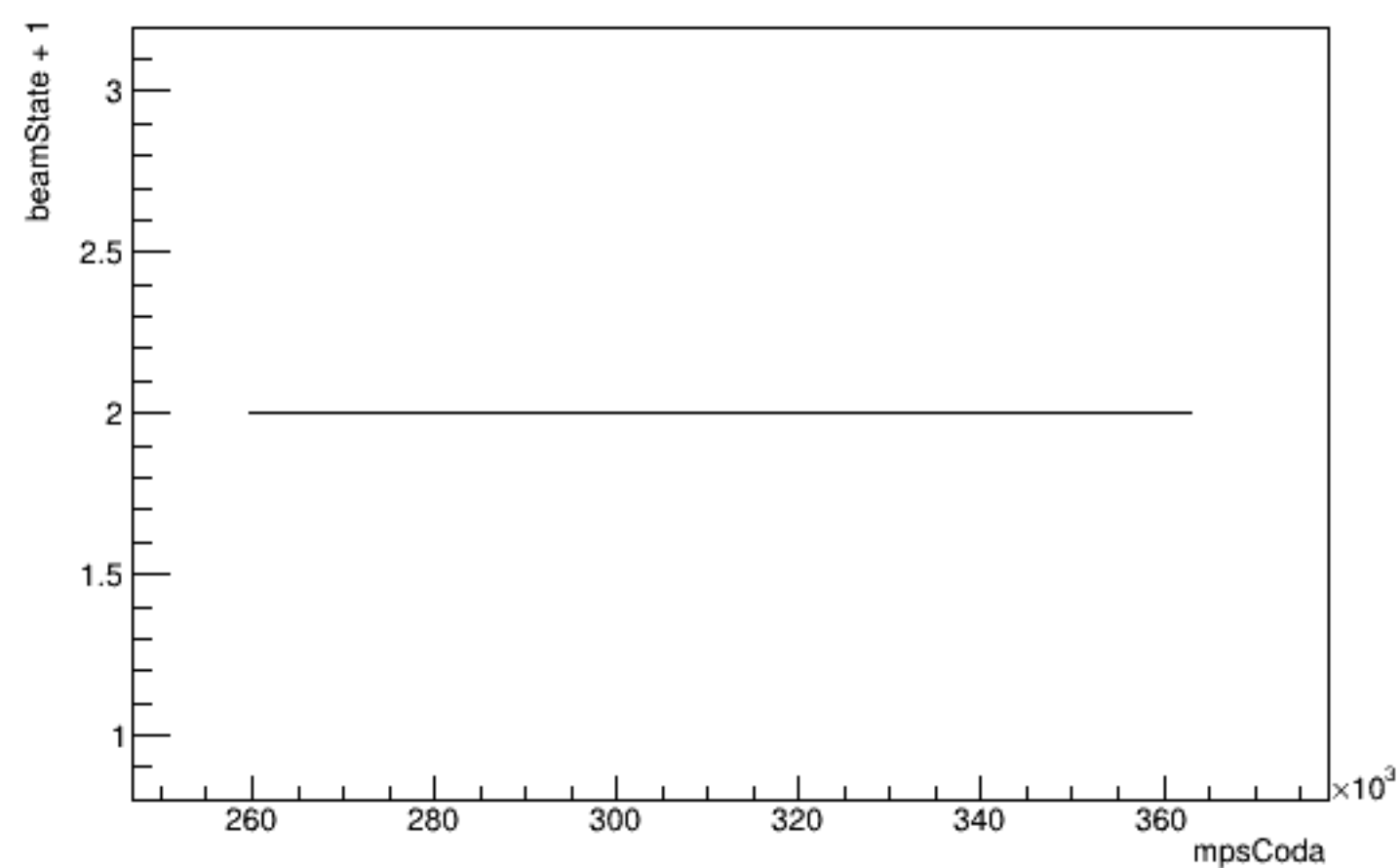
Acc0/NAcc0:mpsCoda {mpsCoda>=259594 && mpsCoda<=362857 && beamState==1}



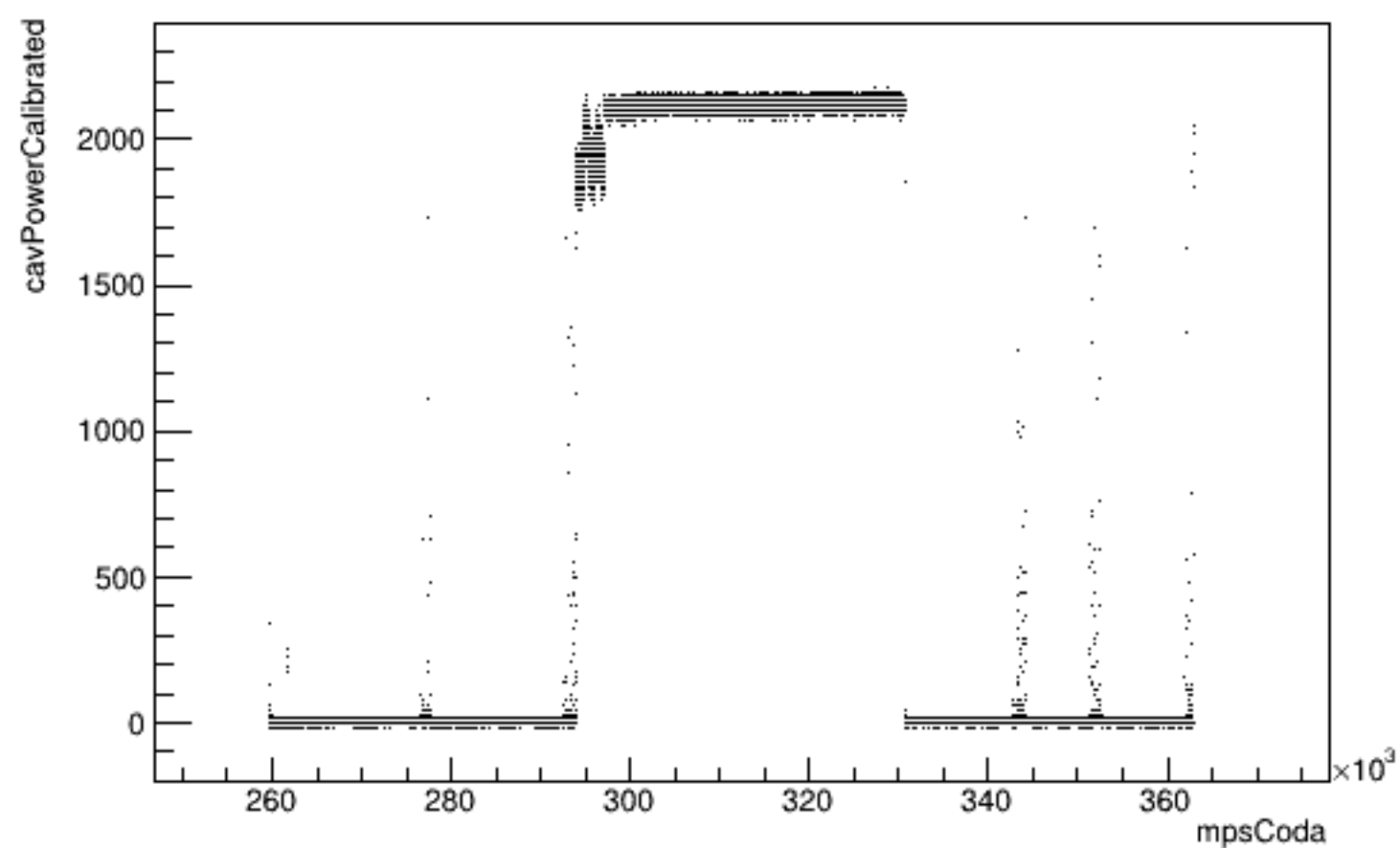
laserState:mpsCoda {mpsCoda&gt;=259594 &amp;&amp; mpsCoda&lt;=362857}



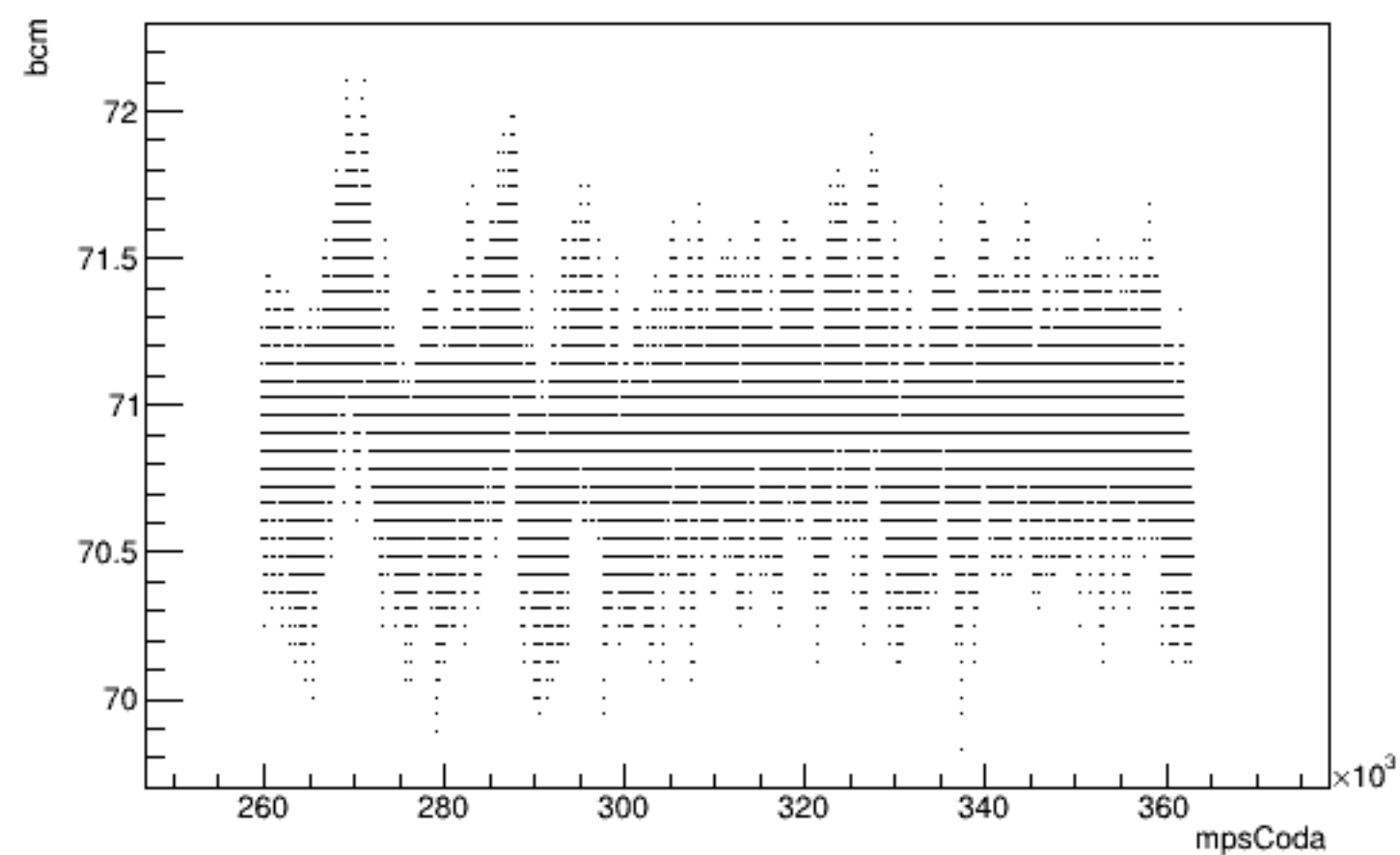
beamState + 1:mpsCoda {mpsCoda&gt;=259594 &amp;&amp; mpsCoda&lt;=362857}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=259594 &amp;&amp; mpsCoda&lt;=362857}



bcm:mpsCoda {mpsCoda&gt;=259594 &amp;&amp; mpsCoda&lt;=362857}



## Cycle 6, Diffs

Entries: 3916

Mean: 0.0272 +/- 0.0044

Std Dev: 0.2782 +/- 0.0031

Entries: 413

Mean: 0.1567 +/- 0.0176

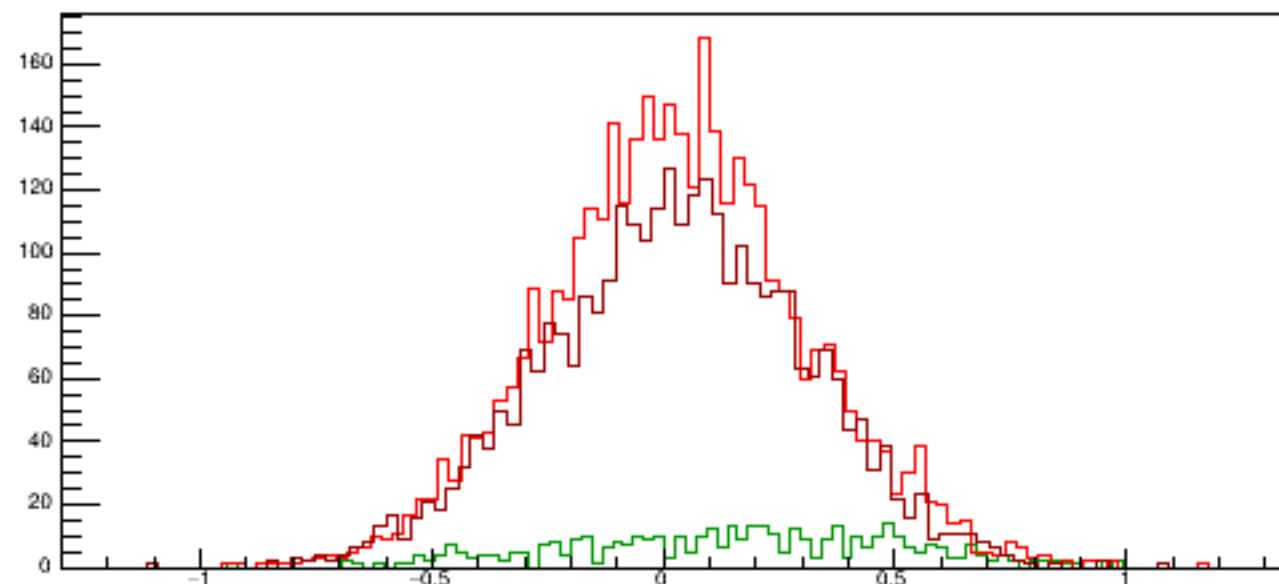
Std Dev: 0.3577 +/- 0.0124

Entries: 3080

Mean: 0.0248 +/- 0.0050

Std Dev: 0.2799 +/- 0.0036

Run 4574 quartetwise, Diffs



## Cycle 6, Sums

Entries: 3916

Mean: 15.6398 +/- 0.0053

Std Dev: 0.3341 +/- 0.0038

Entries: 413

Mean: 23.4619 +/- 0.0215

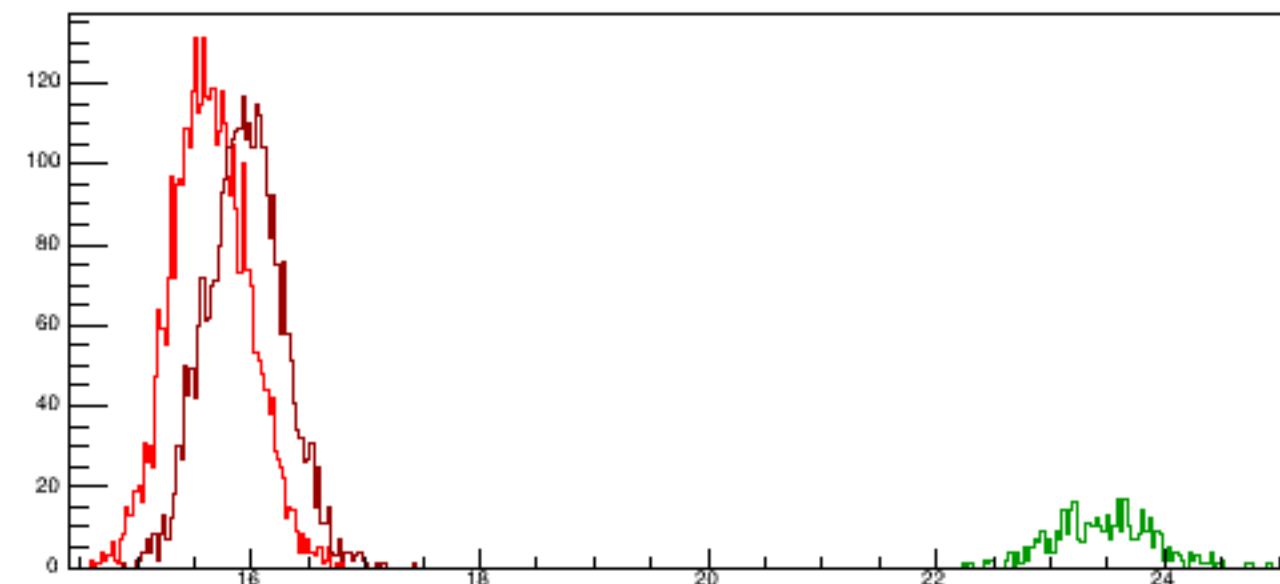
Std Dev: 0.4379 +/- 0.0152

Entries: 3080

Mean: 15.9409 +/- 0.0060

Std Dev: 0.3334 +/- 0.0042

Run 4574 quartetwise, Sums



## Cycle 6, Asyms

Entries: 3916

Mean: 0.0035 +/- 0.0006

Std Dev: 0.0363 +/- 0.0004

Entries: 413

Mean: 0.0205 +/- 0.0023

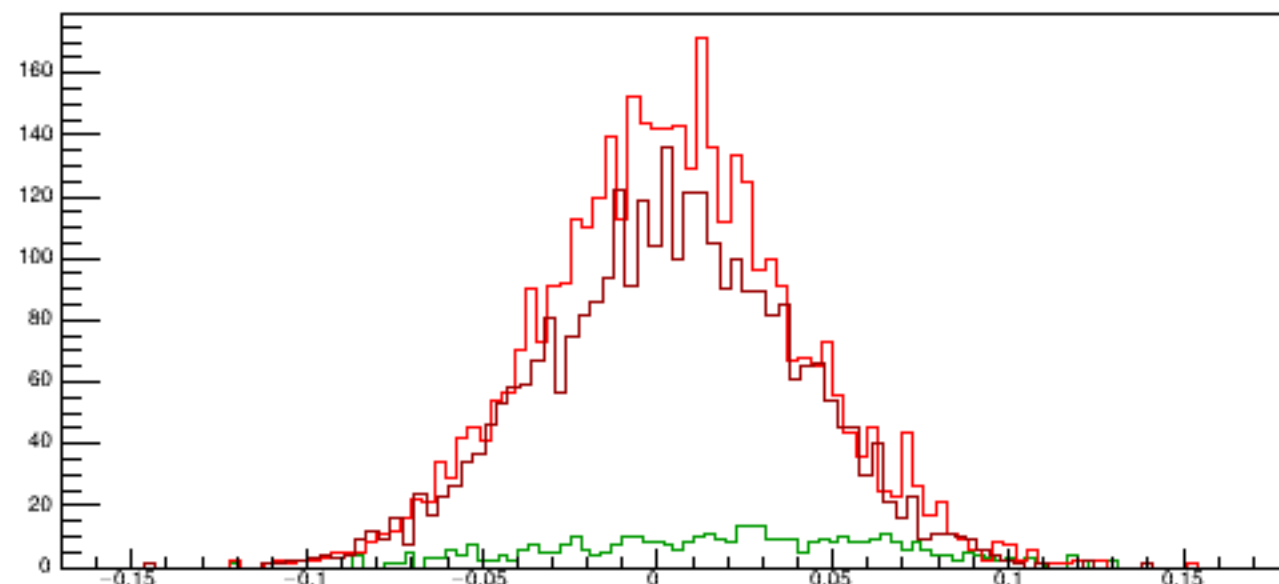
Std Dev: 0.0466 +/- 0.0016

Entries: 3080

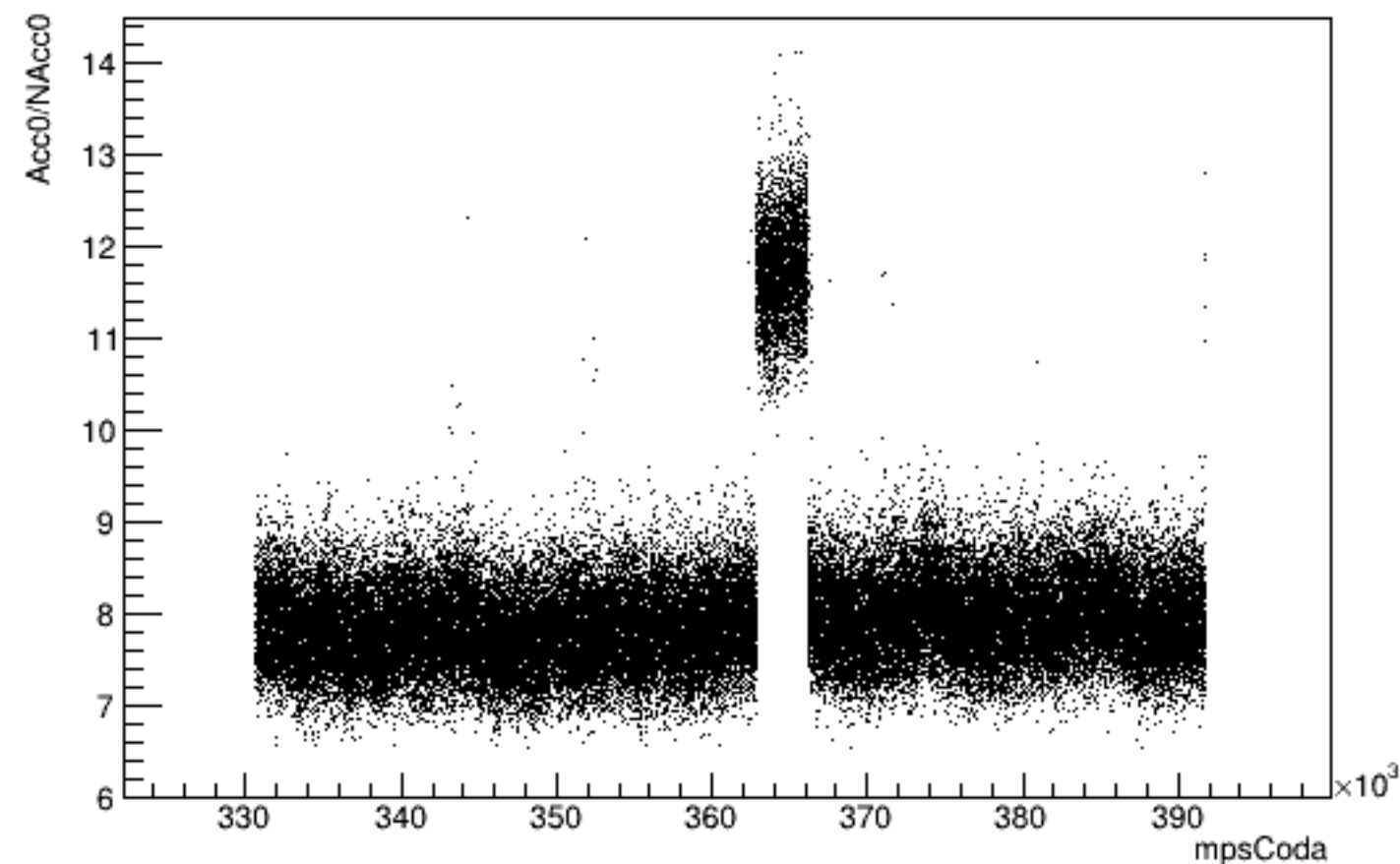
Mean: 0.0032 +/- 0.0007

Std Dev: 0.0365 +/- 0.0005

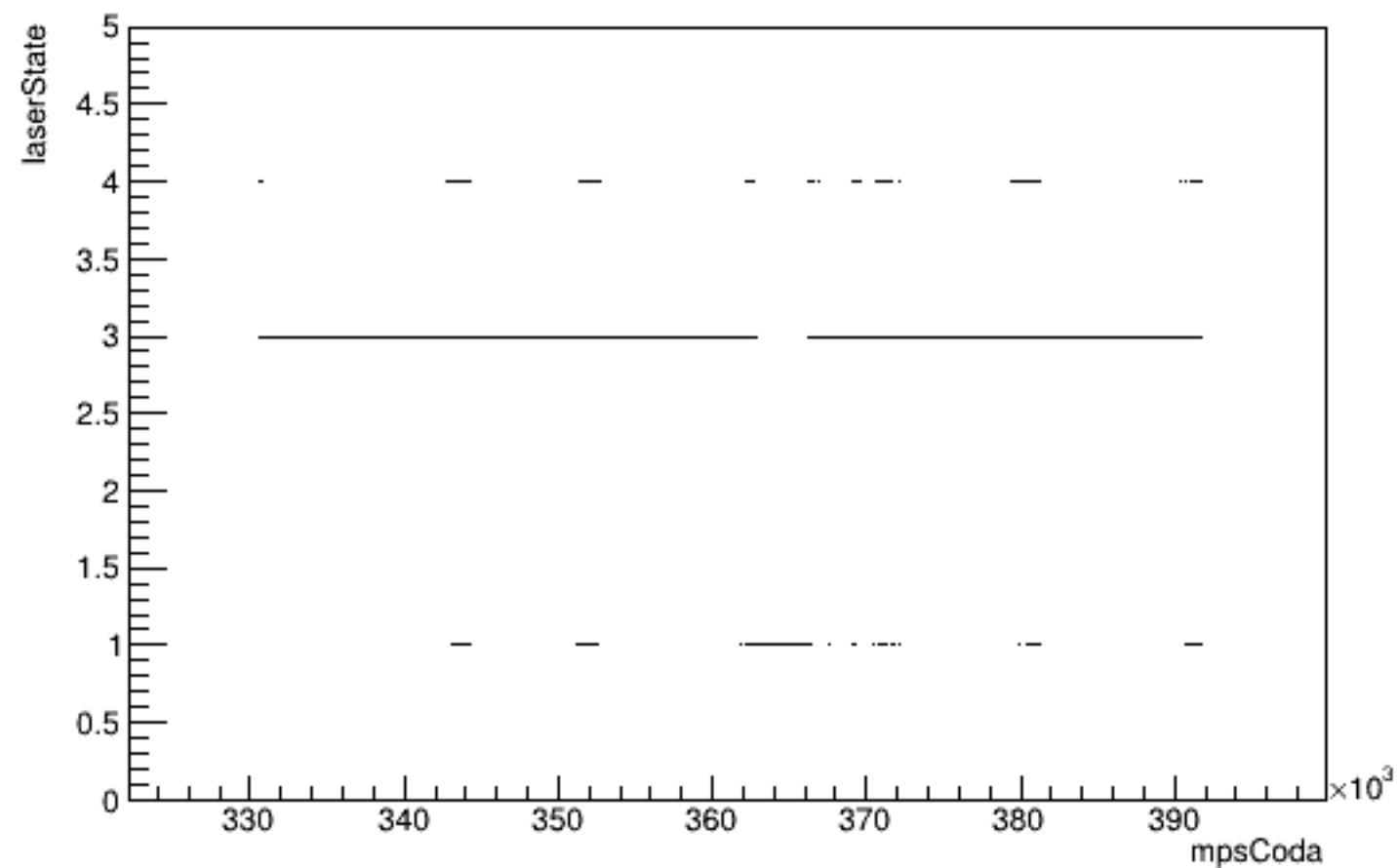
Run 4574 quartetwise, Asyms



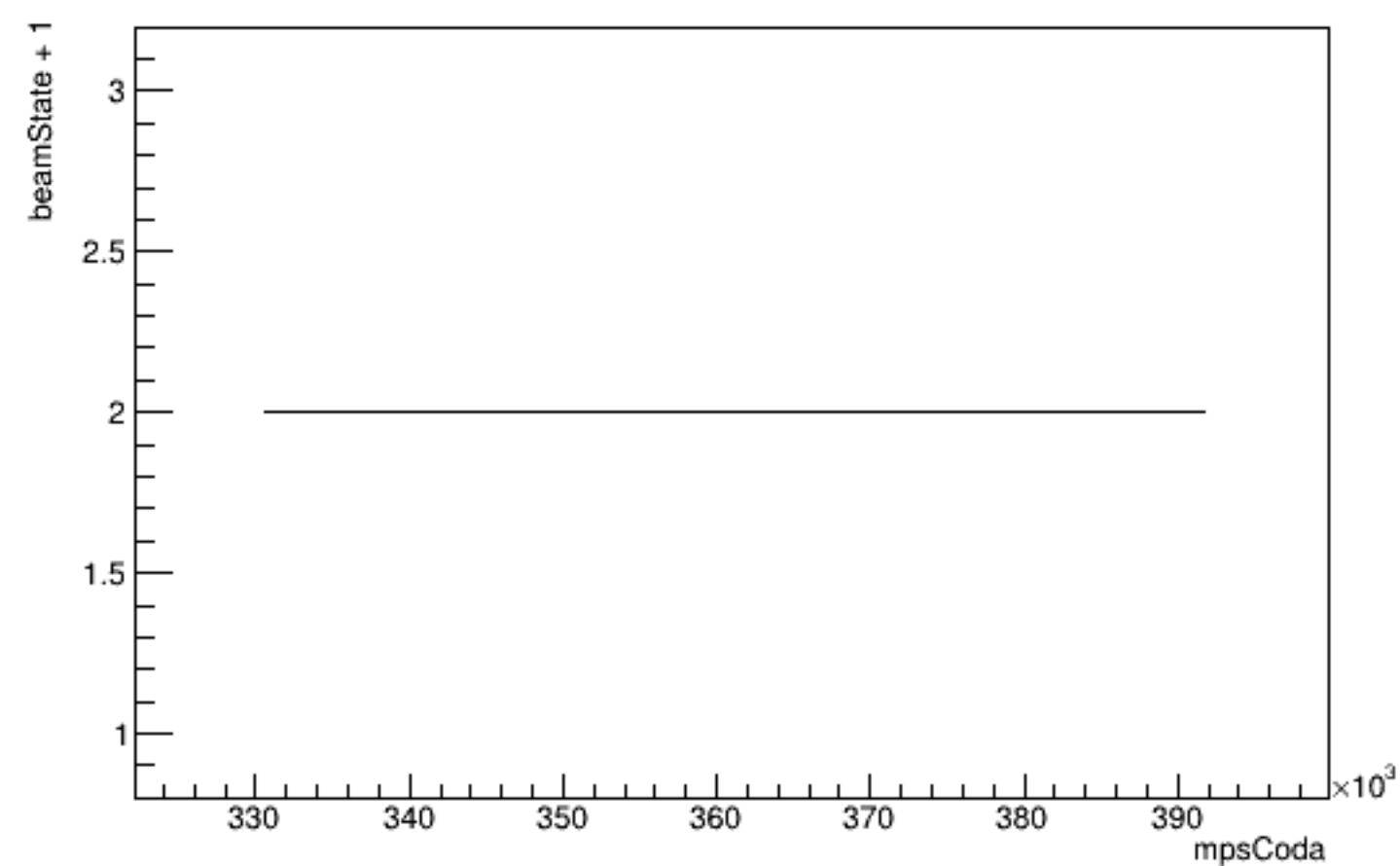
Acc0/NAcc0:mpsCoda {mpsCoda>=330642 && mpsCoda<=391729 && beamState==1}



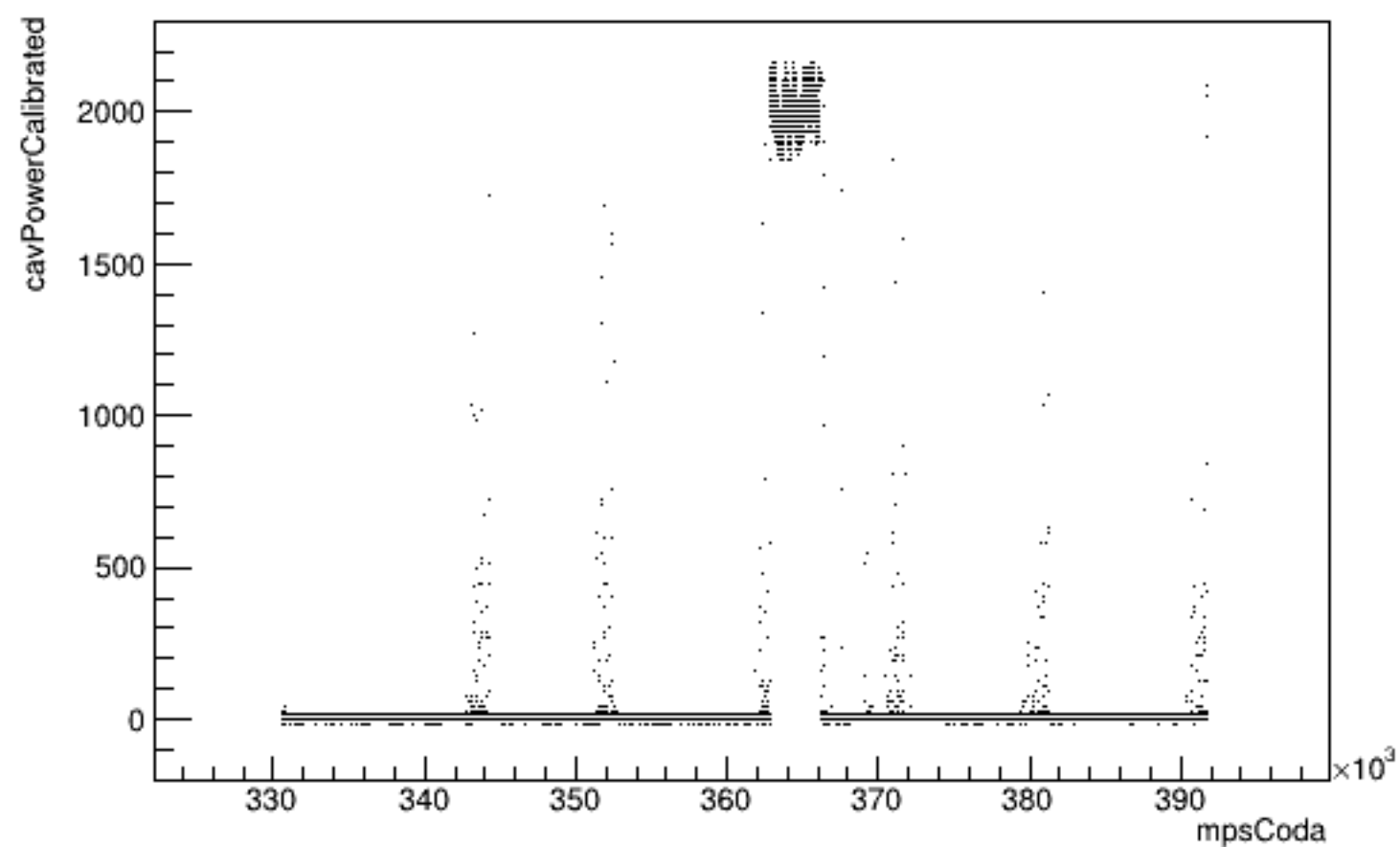
laserState:mpsCoda {mpsCoda&gt;=330642 &amp;&amp; mpsCoda&lt;=391729}



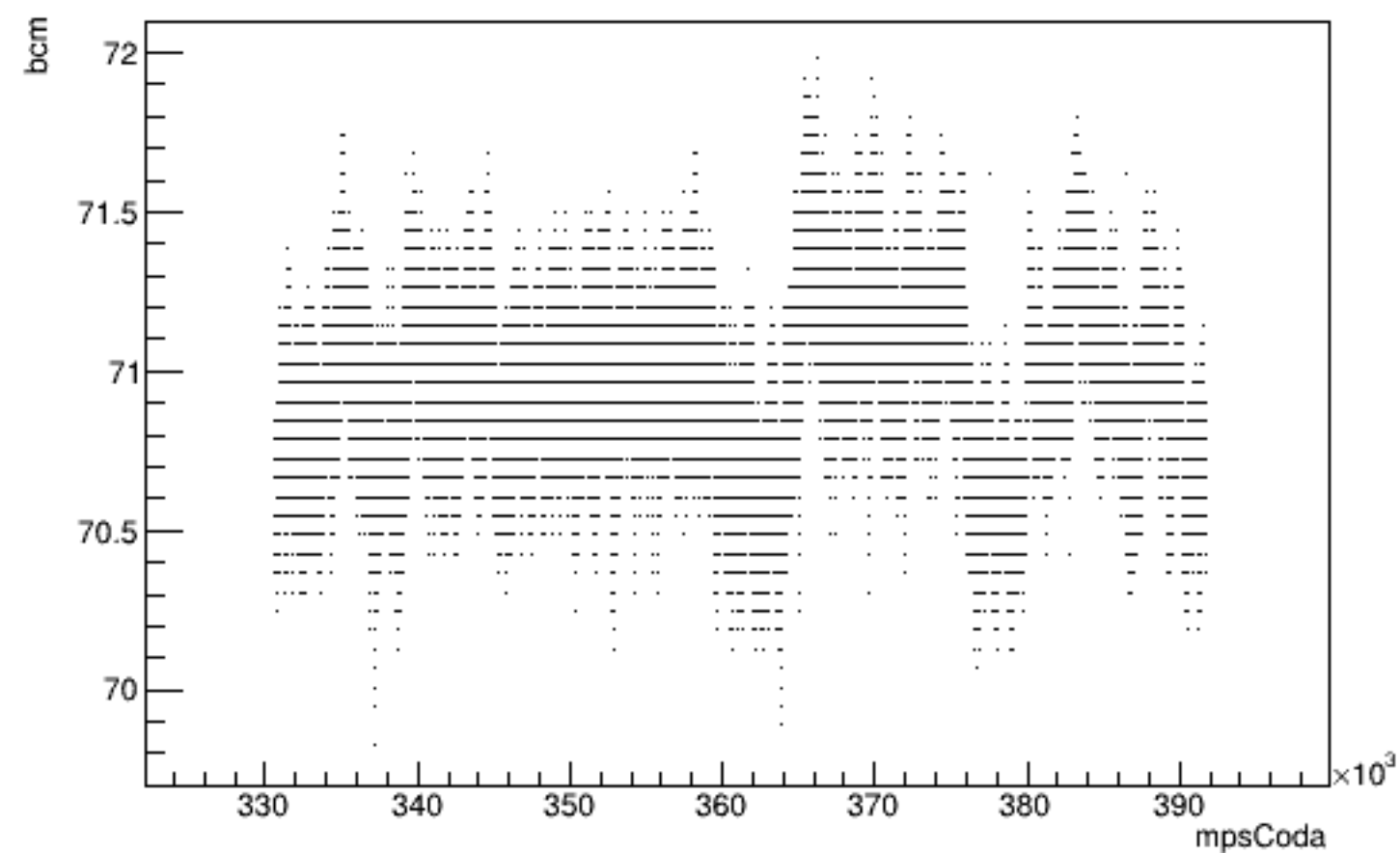
beamState + 1:mpsCoda {mpsCoda&gt;=330642 &amp;&amp; mpsCoda&lt;=391729}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=330642 &amp;&amp; mpsCoda&lt;=391729}



bcm:mpsCoda {mpsCoda&gt;=330642 &amp;&amp; mpsCoda&lt;=391729}



## Cycle 7, Diffs

Entries: 3080

Mean: 0.0248 +/- 0.0050

Std Dev: 0.2799 +/- 0.0036

Entries: 985

Mean: 0.1383 +/- 0.0112

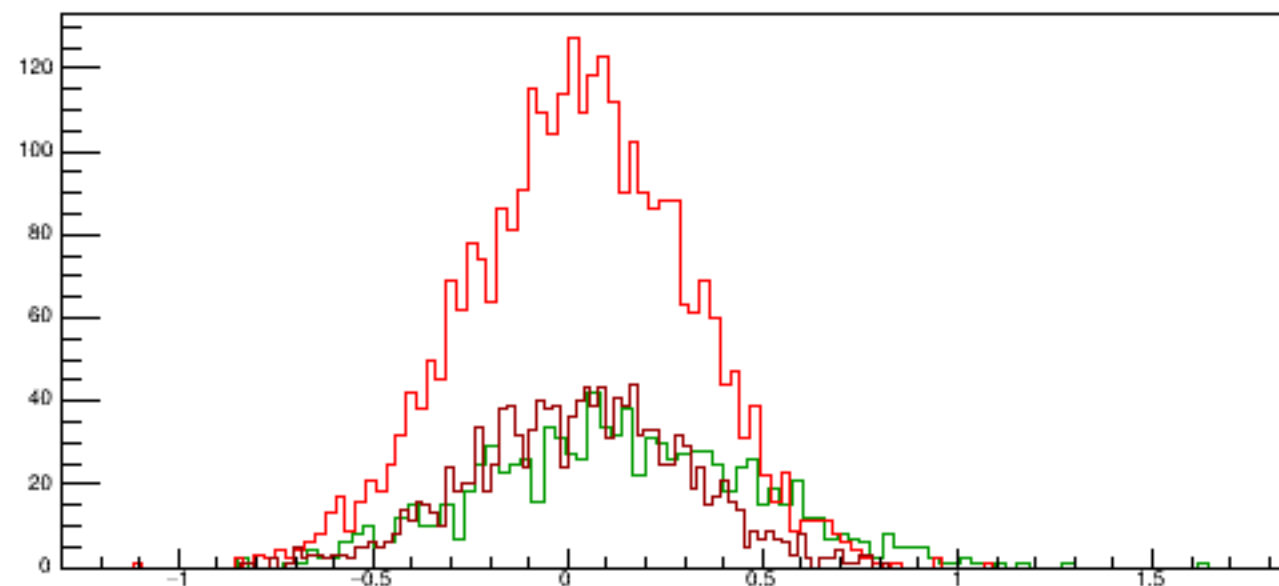
Std Dev: 0.3513 +/- 0.0079

Entries: 1372

Mean: 0.0291 +/- 0.0074

Std Dev: 0.2738 +/- 0.0052

Run 4574 quartetwise, Diffs



## Cycle 7, Sums

Entries: 3080

Mean: 15.9409 +/- 0.0060

Std Dev: 0.3334 +/- 0.0042

Entries: 985

Mean: 23.8292 +/- 0.0120

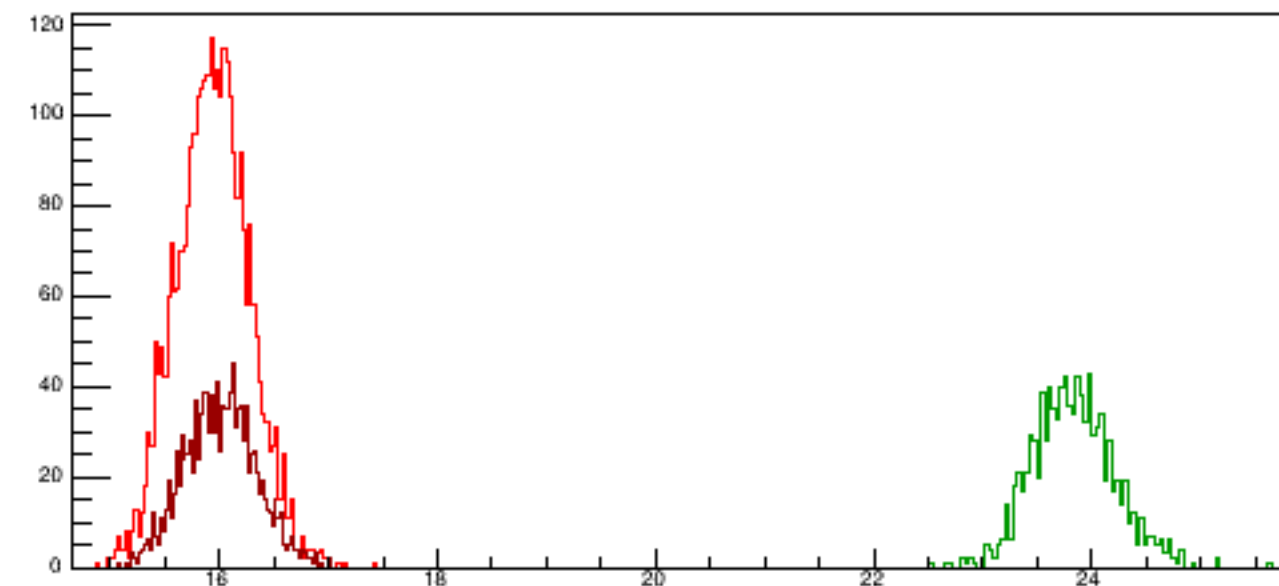
Std Dev: 0.3776 +/- 0.0085

Entries: 1372

Mean: 16.0094 +/- 0.0087

Std Dev: 0.3236 +/- 0.0062

Run 4574 quartetwise, Sums



## Cycle 7, Asyms

Entries: 3080

Mean: 0.0032 +/- 0.0006

Std Dev: 0.0356 +/- 0.0005

Entries: 985

Mean: 0.0177 +/- 0.0014

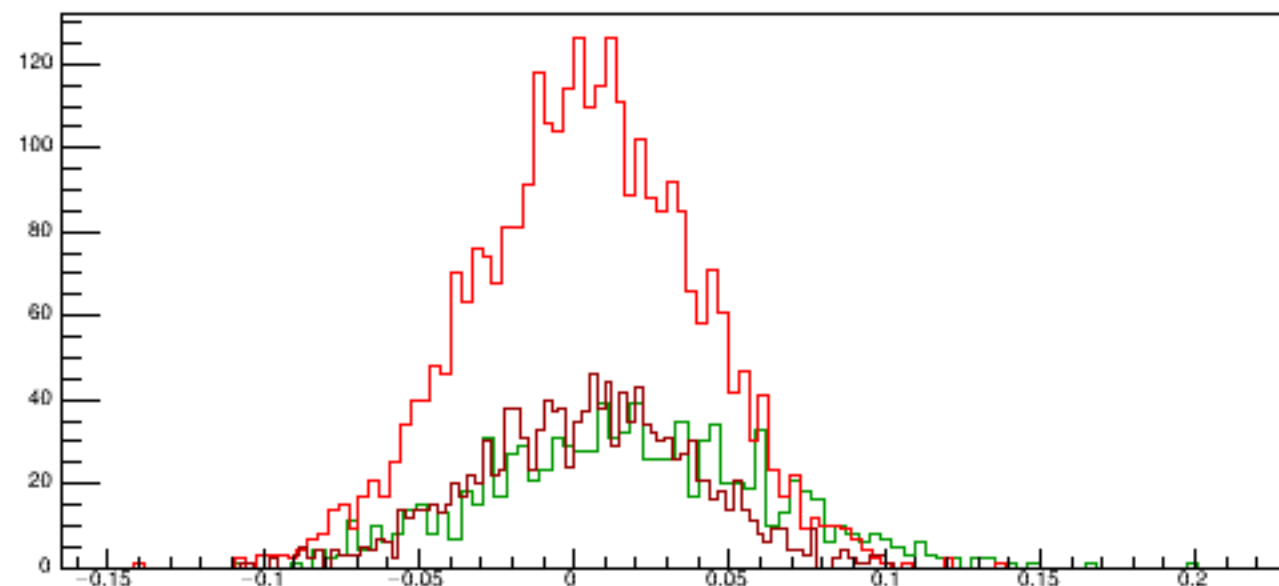
Std Dev: 0.0447 +/- 0.0010

Entries: 1372

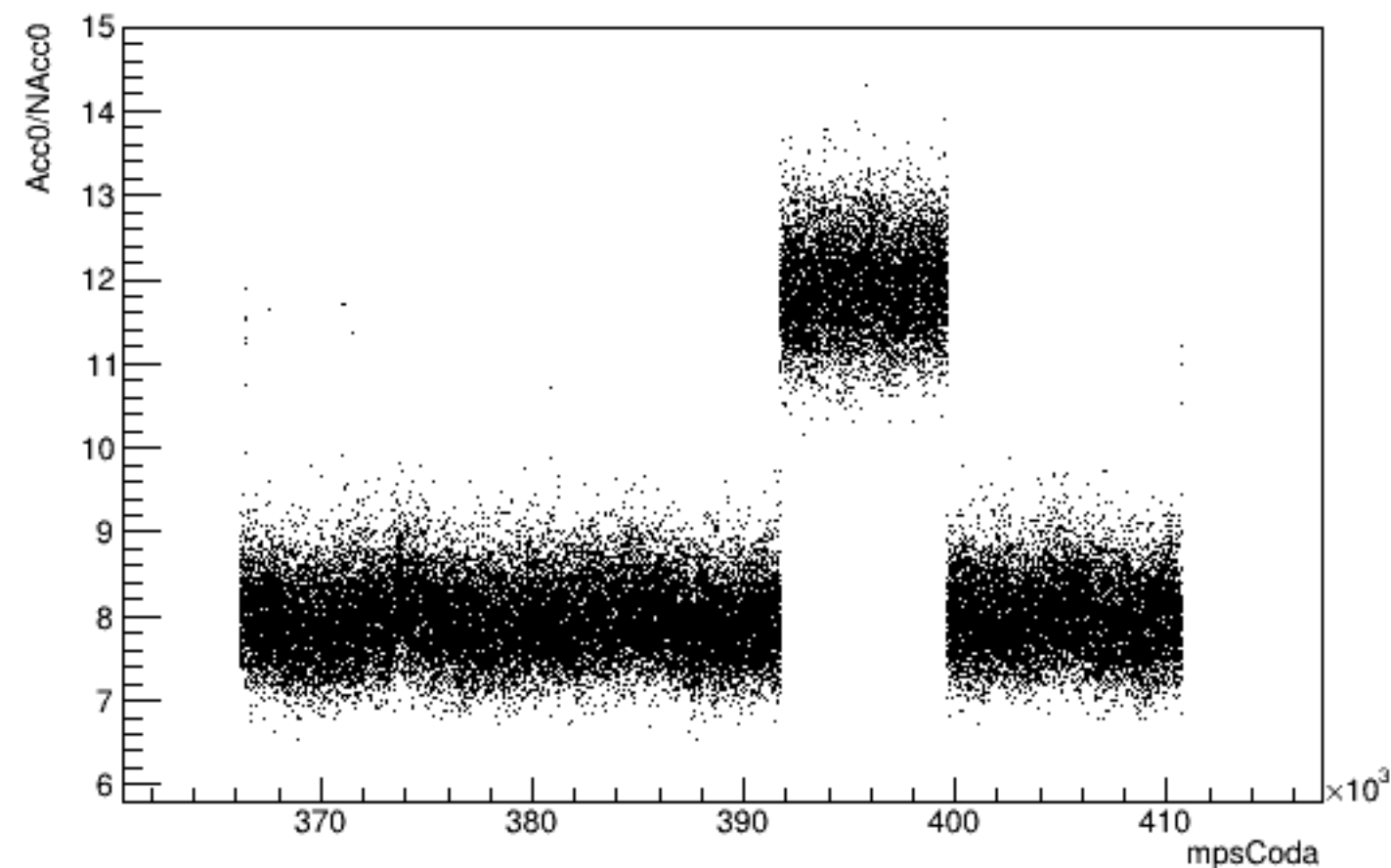
Mean: 0.0037 +/- 0.0009

Std Dev: 0.0349 +/- 0.0007

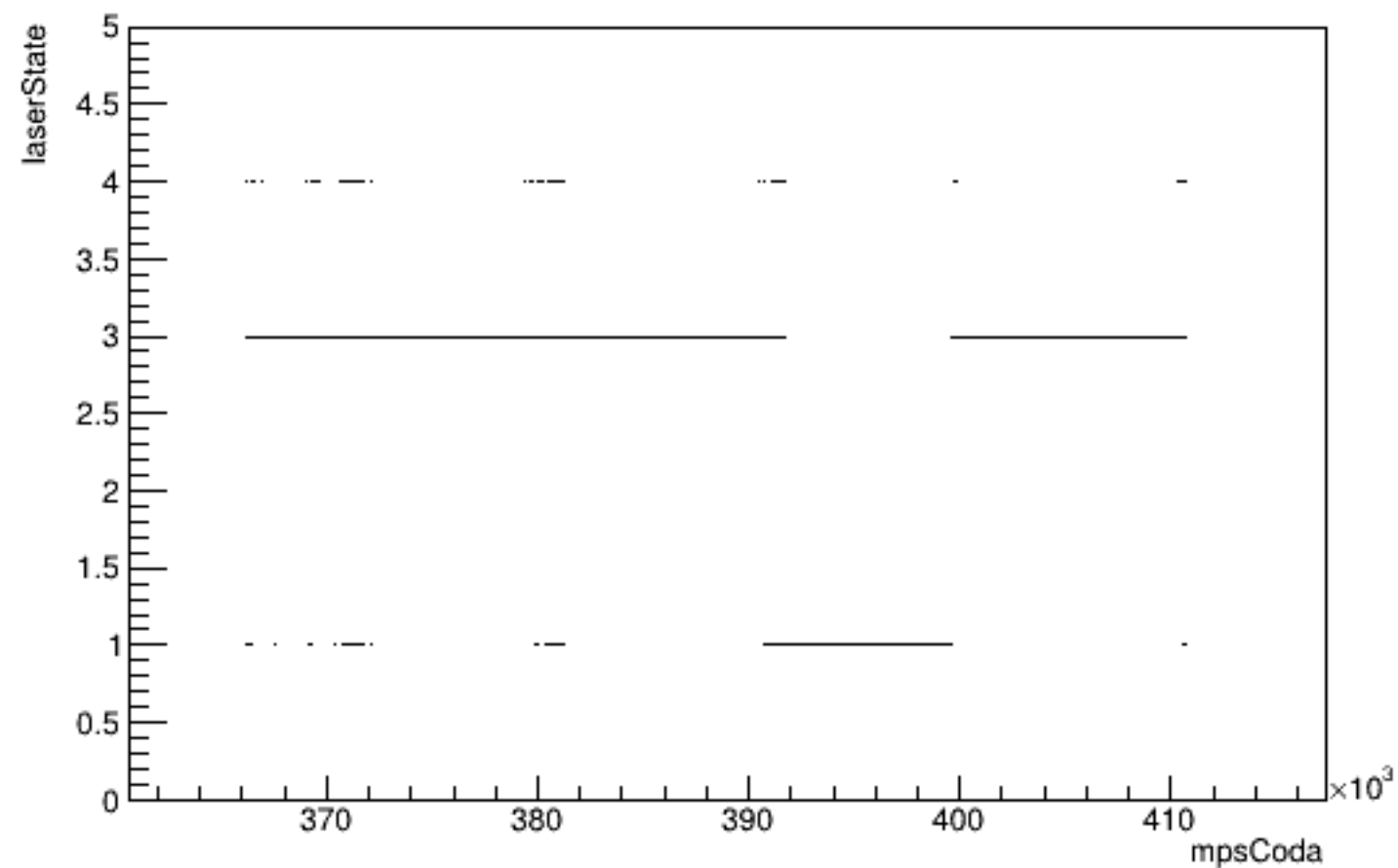
Run 4574 quartetwise, Asyms



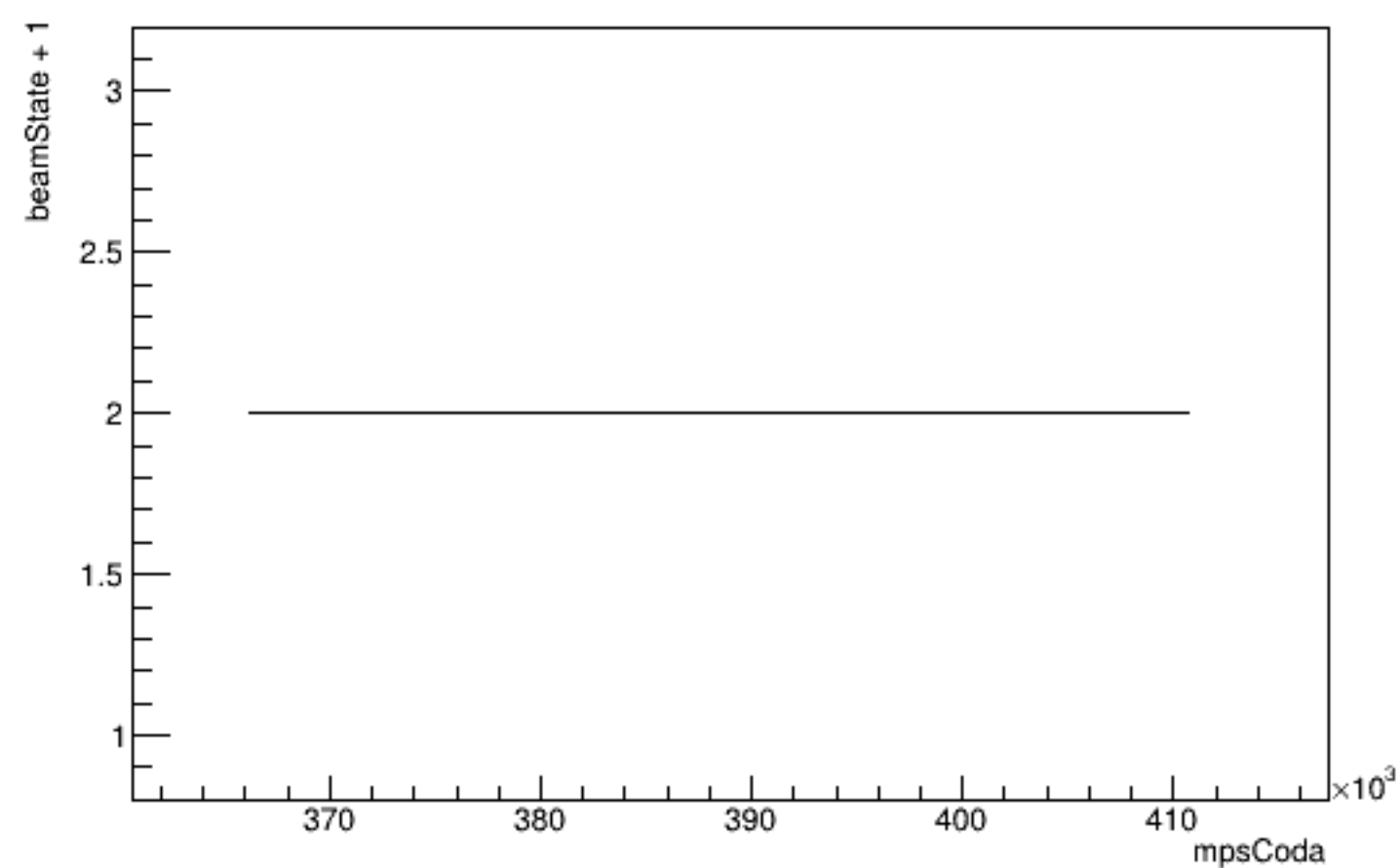
Acc0/NAcc0:mpsCoda {mpsCoda>=366170 && mpsCoda<=410689 && beamState==1}



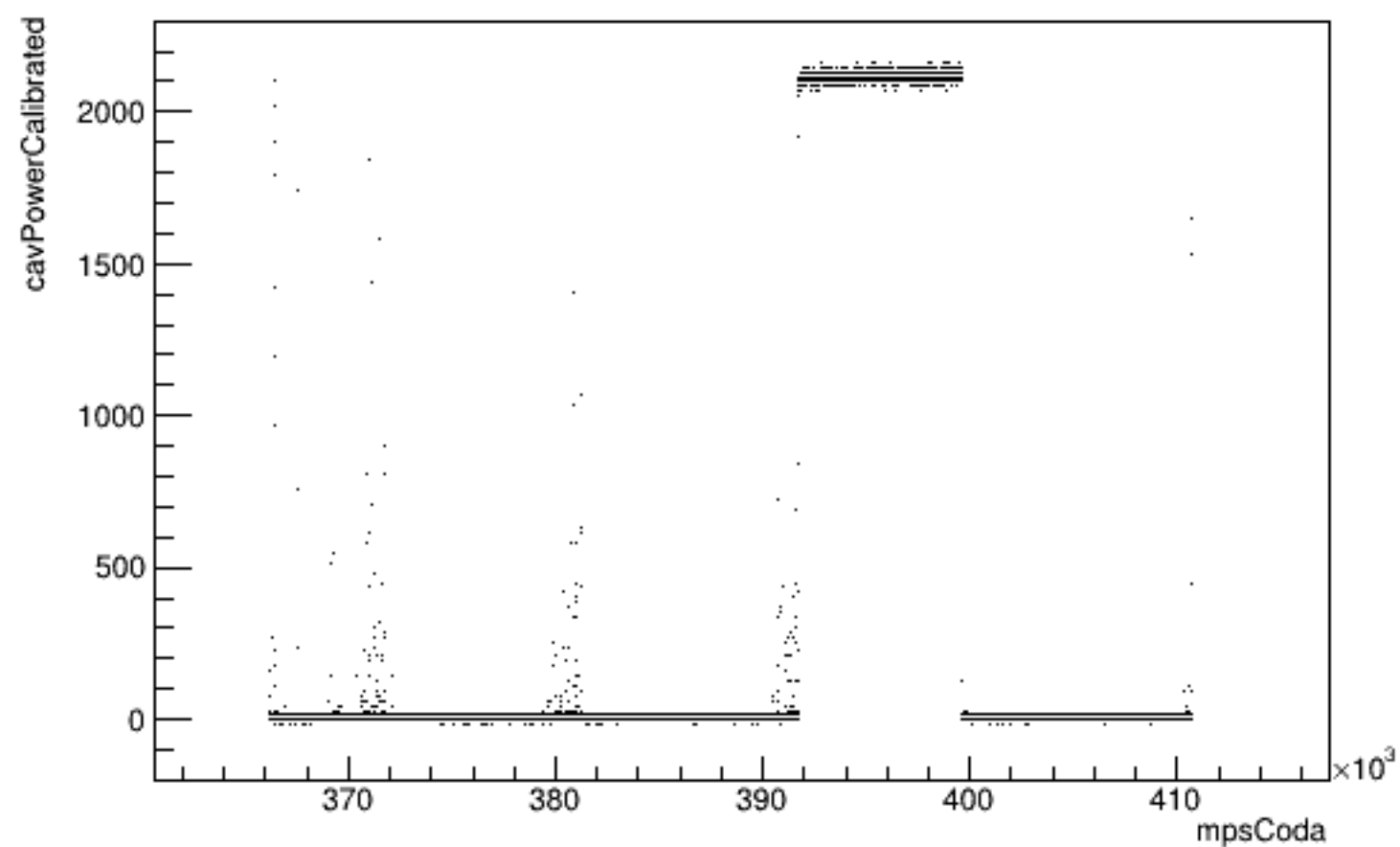
laserState:mpsCoda {mpsCoda&gt;=366170 &amp;&amp; mpsCoda&lt;=410689}



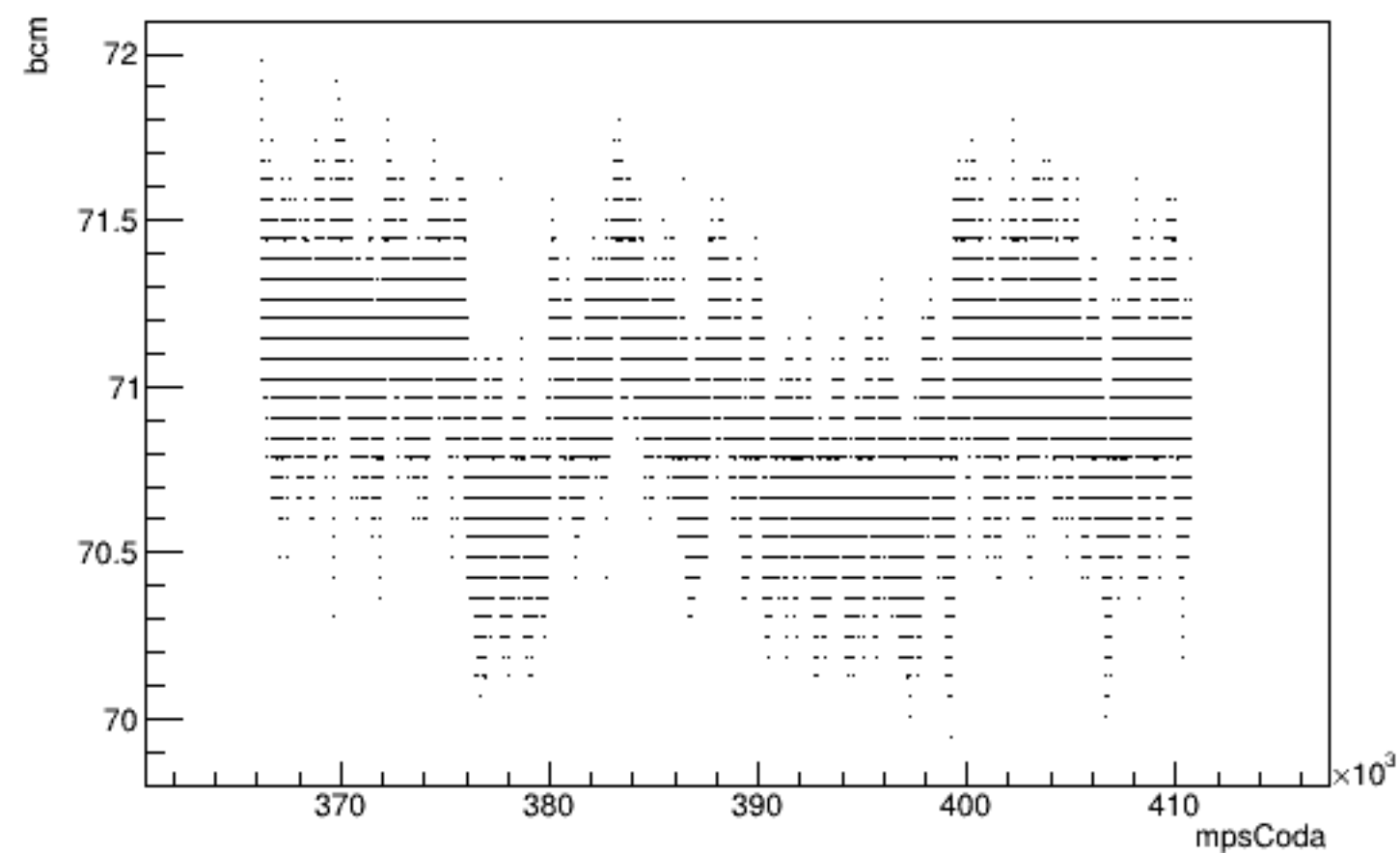
beamState + 1:mpsCoda {mpsCoda&gt;=366170 &amp;&amp; mpsCoda&lt;=410689}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=366170 &amp;&amp; mpsCoda&lt;=410689}



bcm:mpsCoda {mpsCoda&gt;=366170 &amp;&amp; mpsCoda&lt;=410689}



## Cycle 8, Diffs

Entries: 1372

Mean: 0.0291 +/- 0.0074

Std Dev: 0.2738 +/- 0.0052

Entries: 4627

Mean: 0.1425 +/- 0.0050

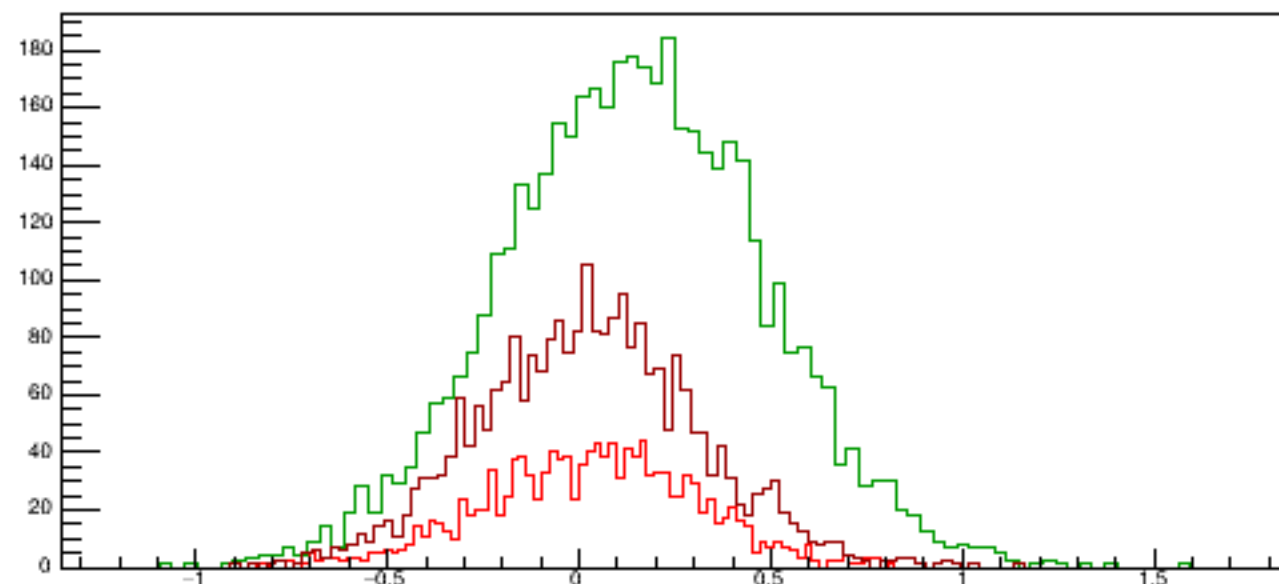
Std Dev: 0.3389 +/- 0.0035

Entries: 2577

Mean: 0.0242 +/- 0.0056

Std Dev: 0.2849 +/- 0.0040

Run 4574 quartetwise, Diffs



## Cycle 8, Sums

Entries: 1372

Mean: 16.0094 +/- 0.0087

Std Dev: 0.3236 +/- 0.0062

Entries: 4627

Mean: 23.7210 +/- 0.0064

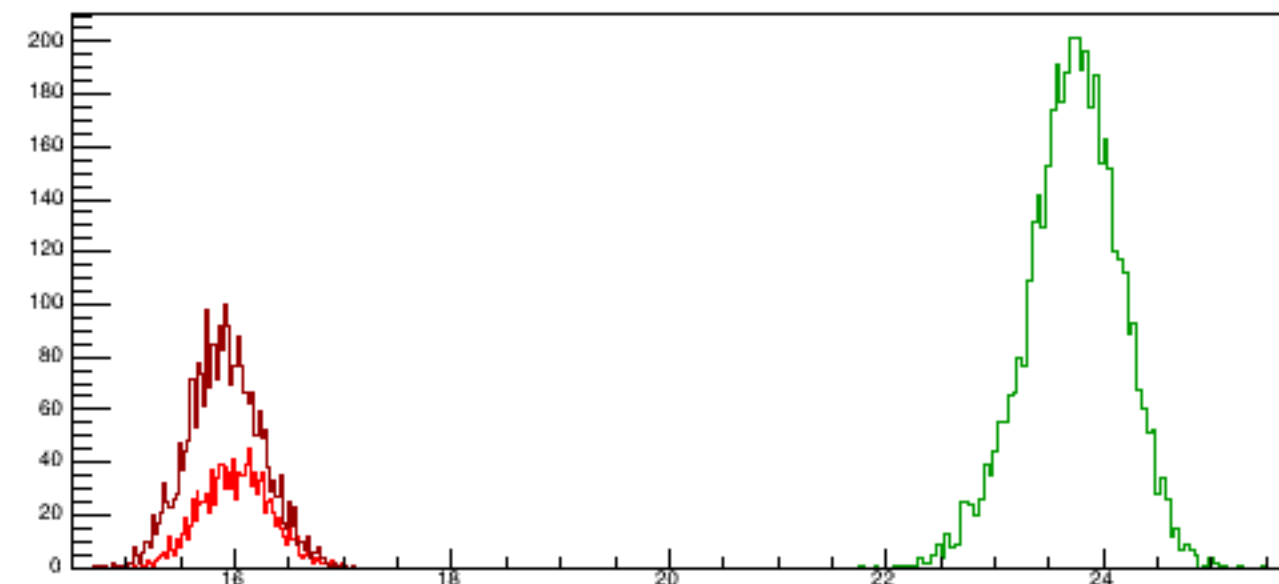
Std Dev: 0.4380 +/- 0.0046

Entries: 2577

Mean: 15.9097 +/- 0.0067

Std Dev: 0.3422 +/- 0.0048

Run 4574 quartetwise, Sums



## Cycle 8, Asyms

Entries: 1372

Mean: 0.0038 +/- 0.0010

Std Dev: 0.0353 +/- 0.0007

Entries: 4627

Mean: 0.0183 +/- 0.0006

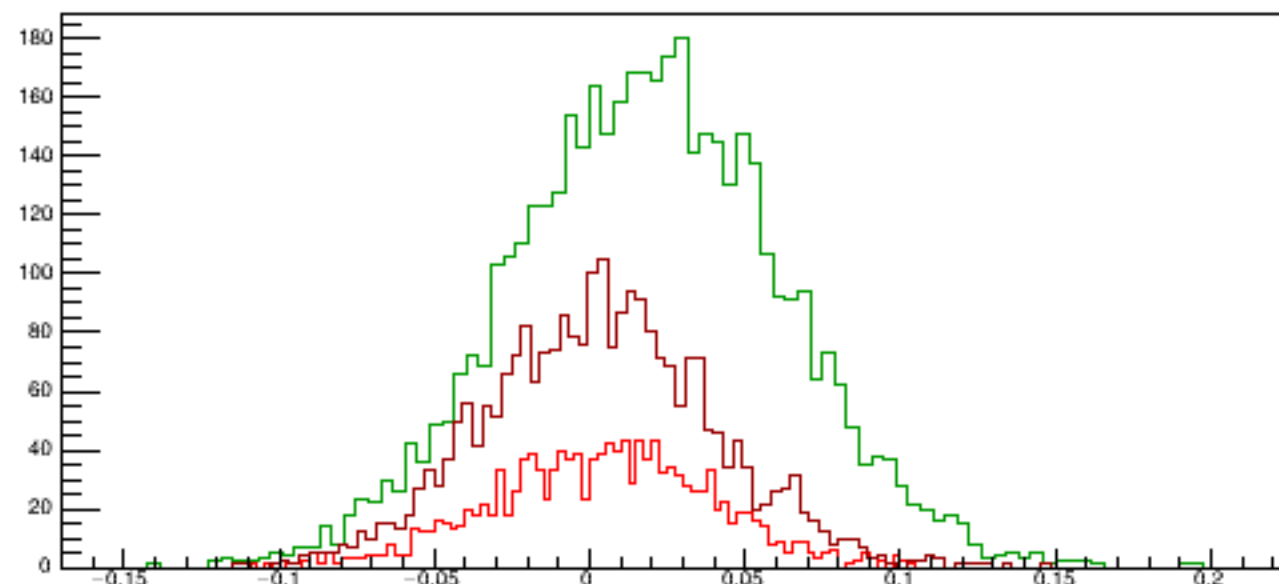
Std Dev: 0.0437 +/- 0.0005

Entries: 2577

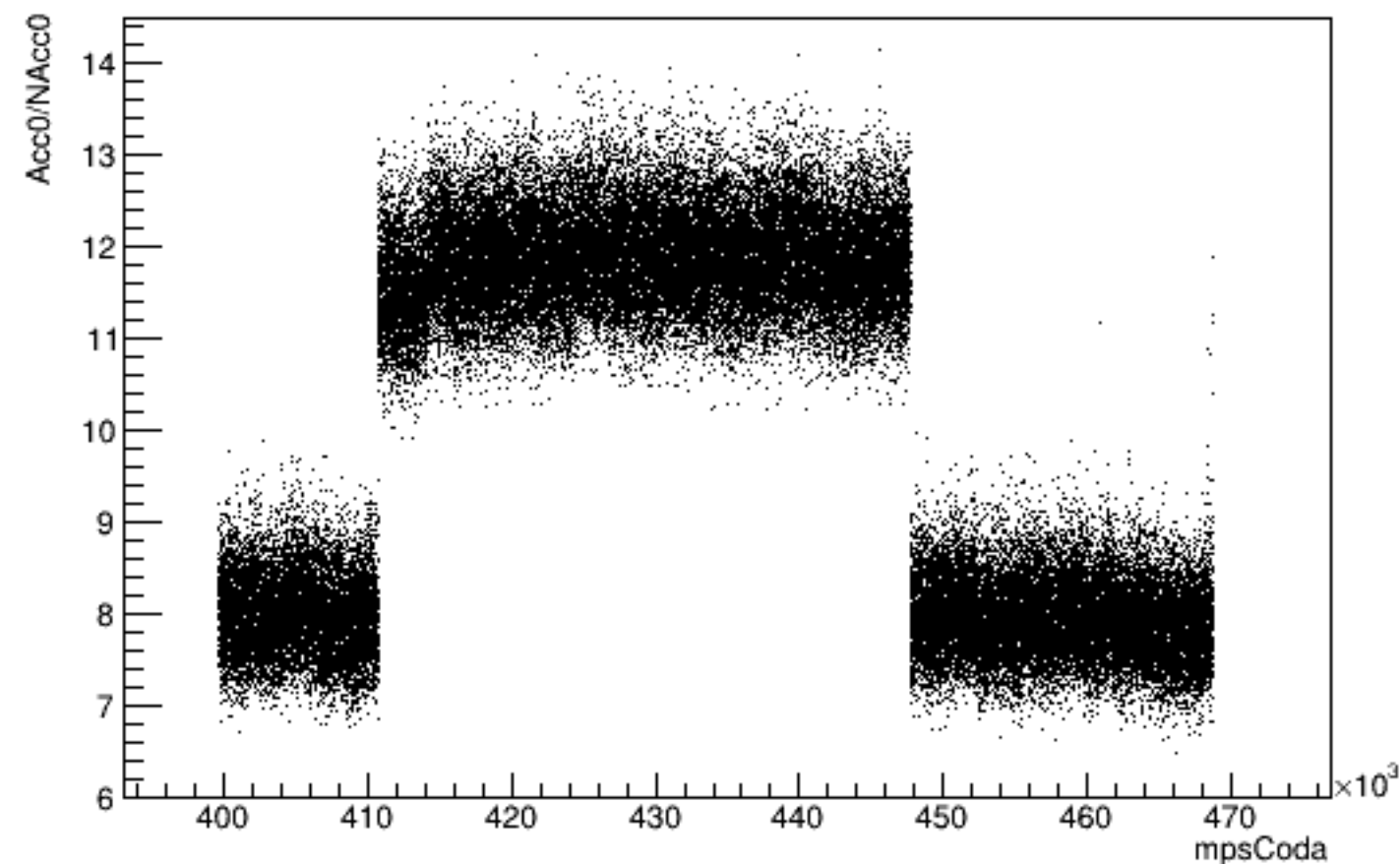
Mean: 0.0031 +/- 0.0007

Std Dev: 0.0367 +/- 0.0005

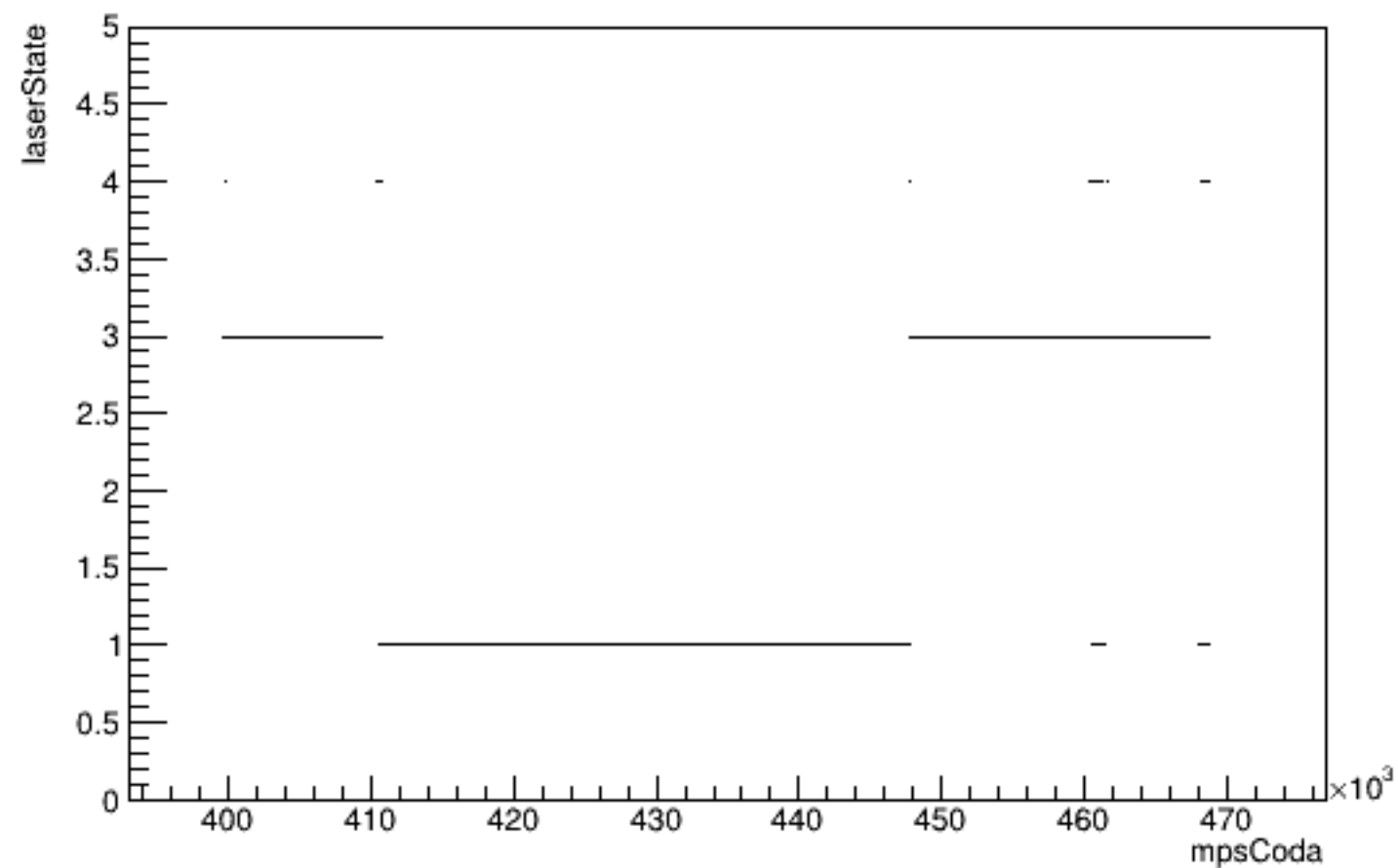
Run 4574 quartetwise, Asyms



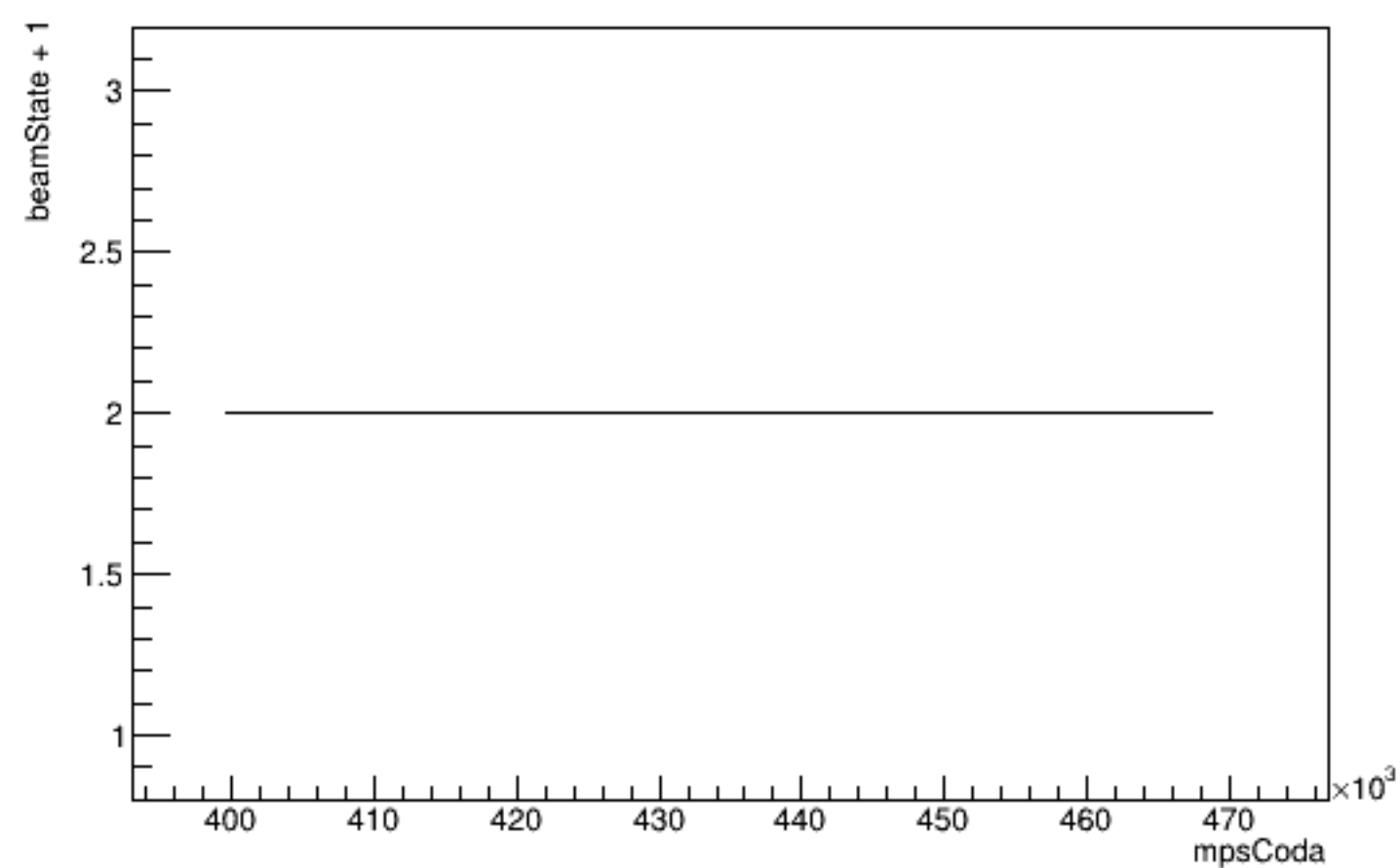
Acc0/NAcc0:mpsCoda {mpsCoda>=399618 && mpsCoda<=468777 && beamState==1}



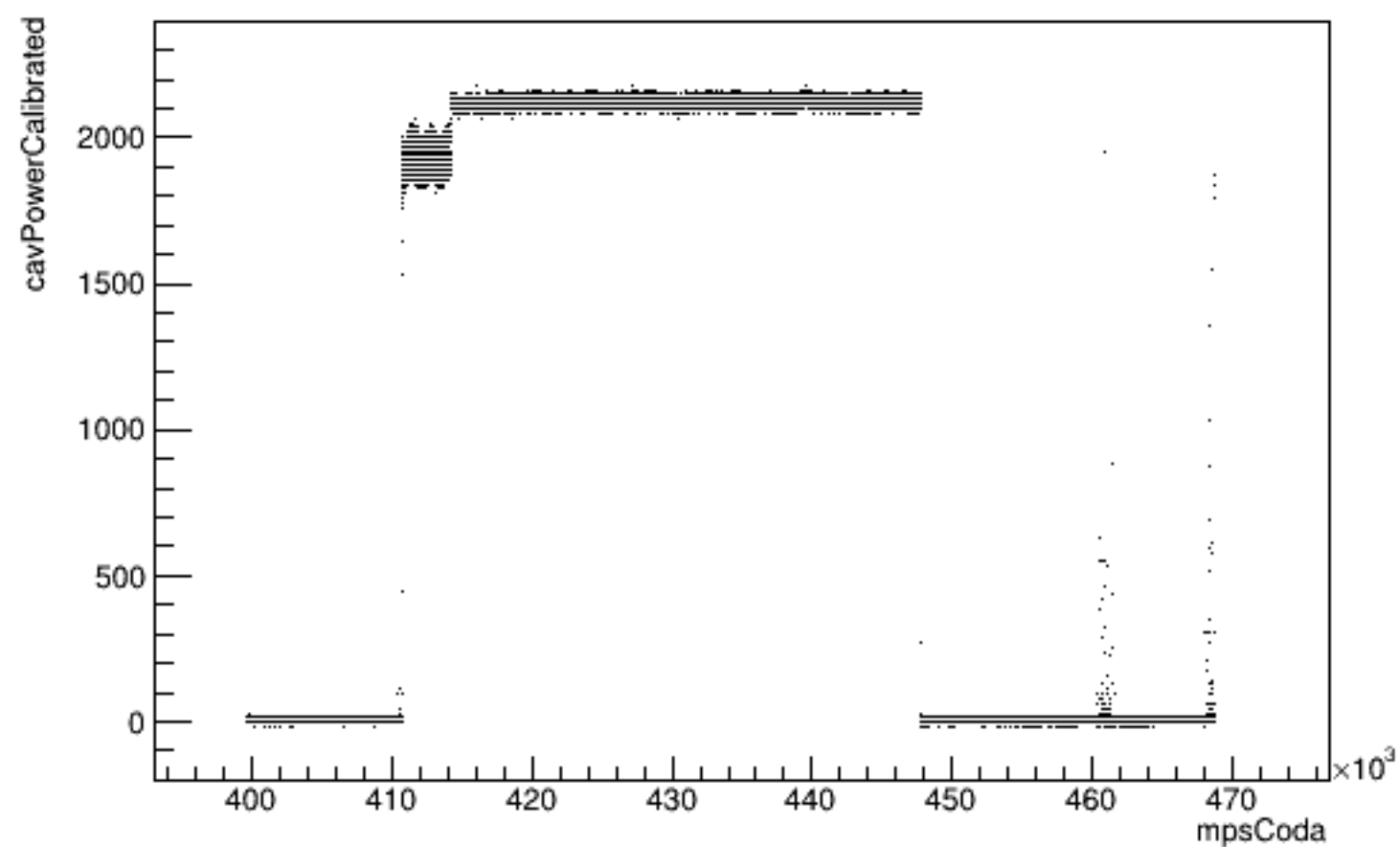
laserState:mpsCoda {mpsCoda&gt;=399618 &amp;&amp; mpsCoda&lt;=468777}



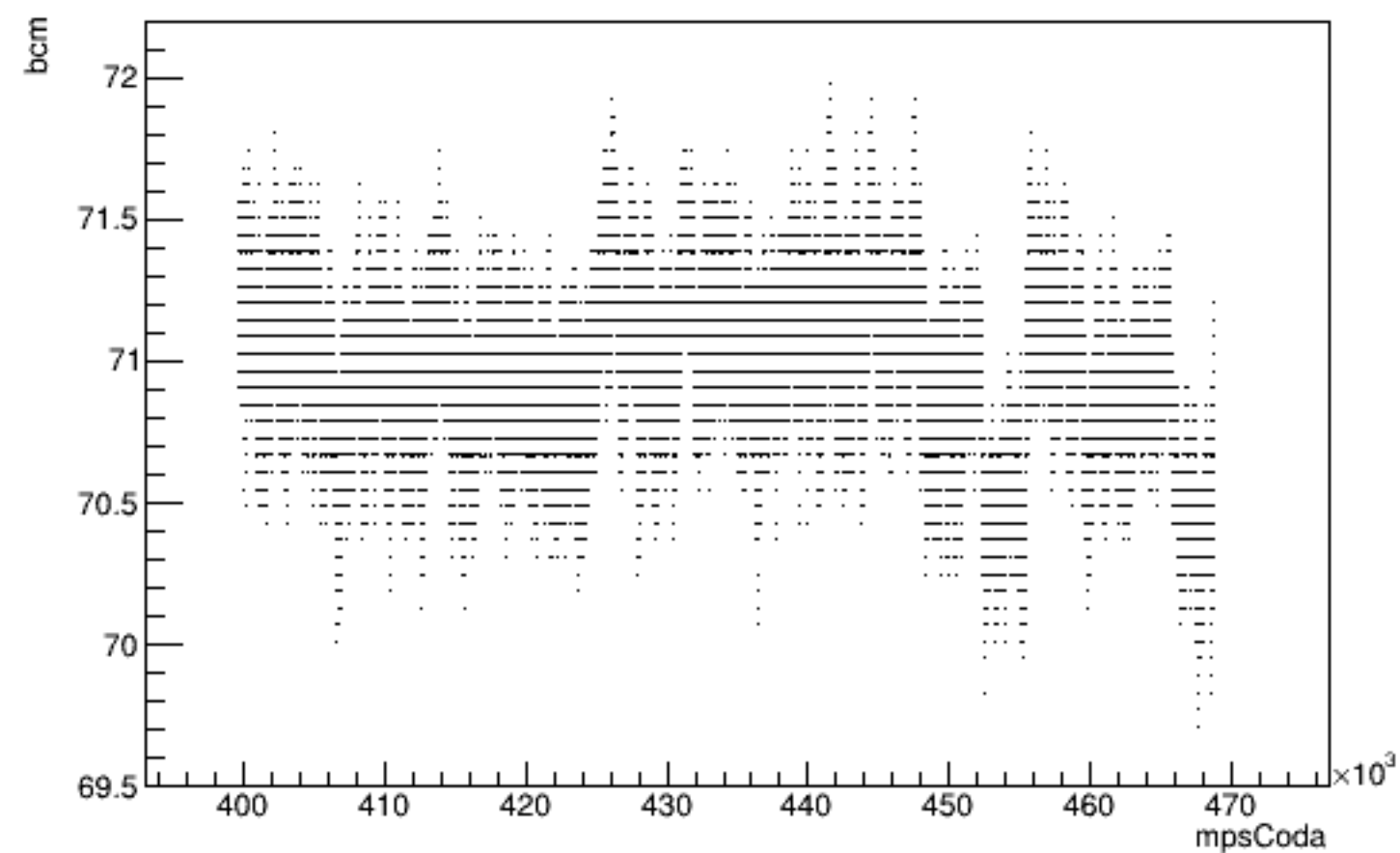
beamState + 1:mpsCoda {mpsCoda&gt;=399618 &amp;&amp; mpsCoda&lt;=468777}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=399618 &amp;&amp; mpsCoda&lt;=468777}



bcm:mpsCoda {mpsCoda&gt;=399618 &amp;&amp; mpsCoda&lt;=468777}



## Cycle 9, Diffs

Entries: 1766

Mean: 0.0288 +/- 0.0067

Std Dev: 0.2832 +/- 0.0048

Entries: 470

Mean: 0.1162 +/- 0.0154

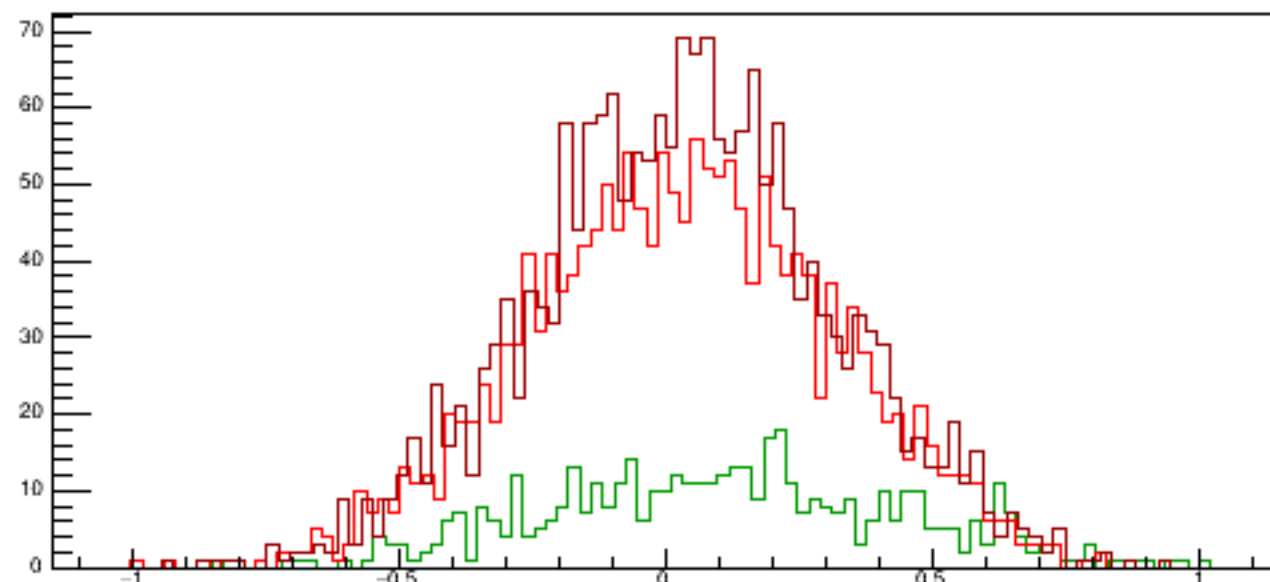
Std Dev: 0.3333 +/- 0.0109

Entries: 1943

Mean: 0.0320 +/- 0.0064

Std Dev: 0.2802 +/- 0.0045

Run 4574 quartetwise, Diffs



## Cycle 9, Sums

Entries: 1766

Mean: 15.8258 +/- 0.0079

Std Dev: 0.3308 +/- 0.0056

Entries: 470

Mean: 23.3116 +/- 0.0197

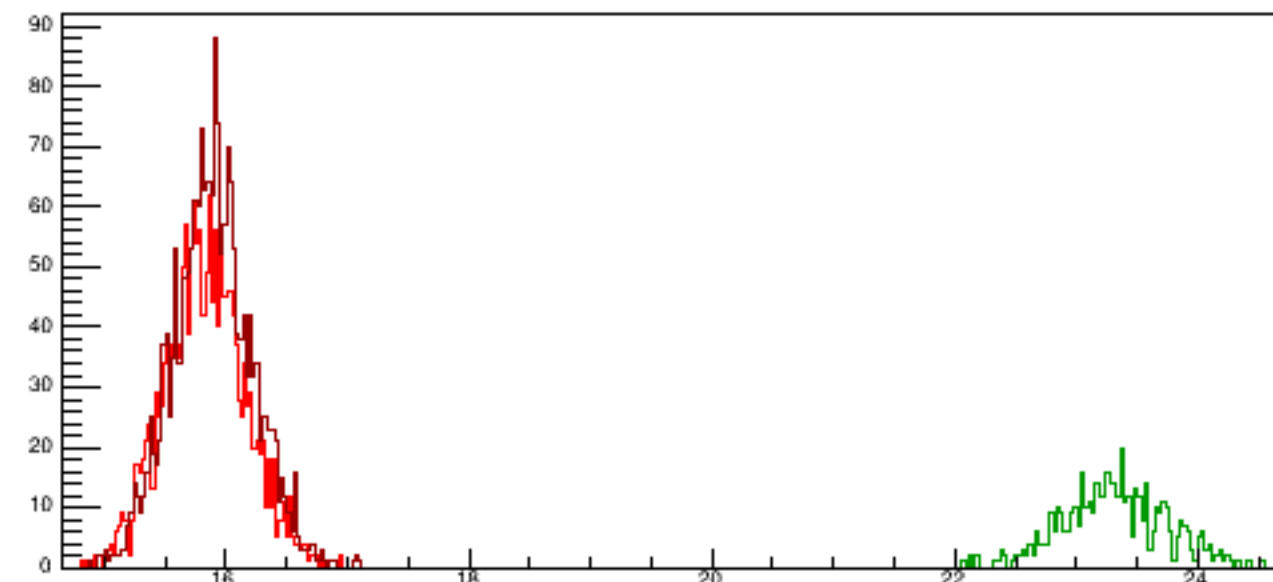
Std Dev: 0.4280 +/- 0.0140

Entries: 1943

Mean: 15.8899 +/- 0.0074

Std Dev: 0.3254 +/- 0.0052

Run 4574 quartetwise, Sums



## Cycle 9, Asyms

Entries: 1766

Mean: 0.0039 +/- 0.0009

Std Dev: 0.0380 +/- 0.0006

Entries: 470

Mean: 0.0159 +/- 0.0021

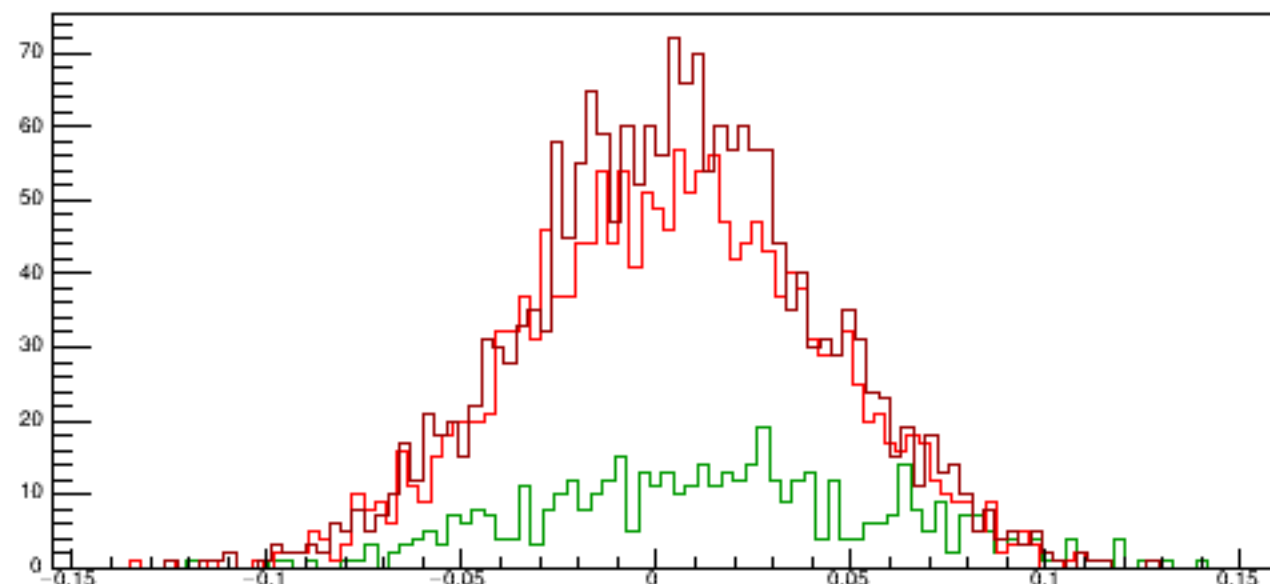
Std Dev: 0.0450 +/- 0.0015

Entries: 1943

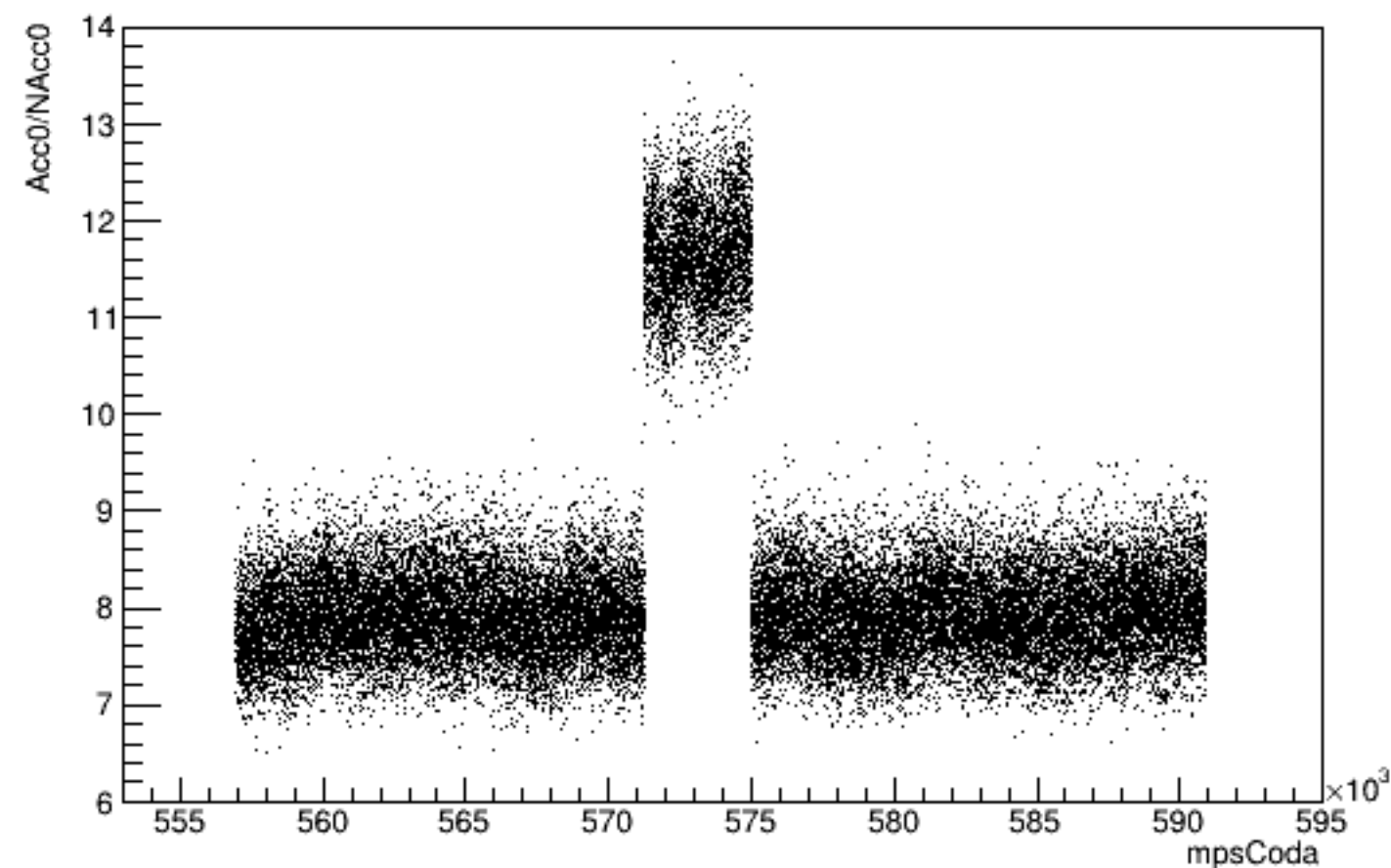
Mean: 0.0043 +/- 0.0009

Std Dev: 0.0376 +/- 0.0006

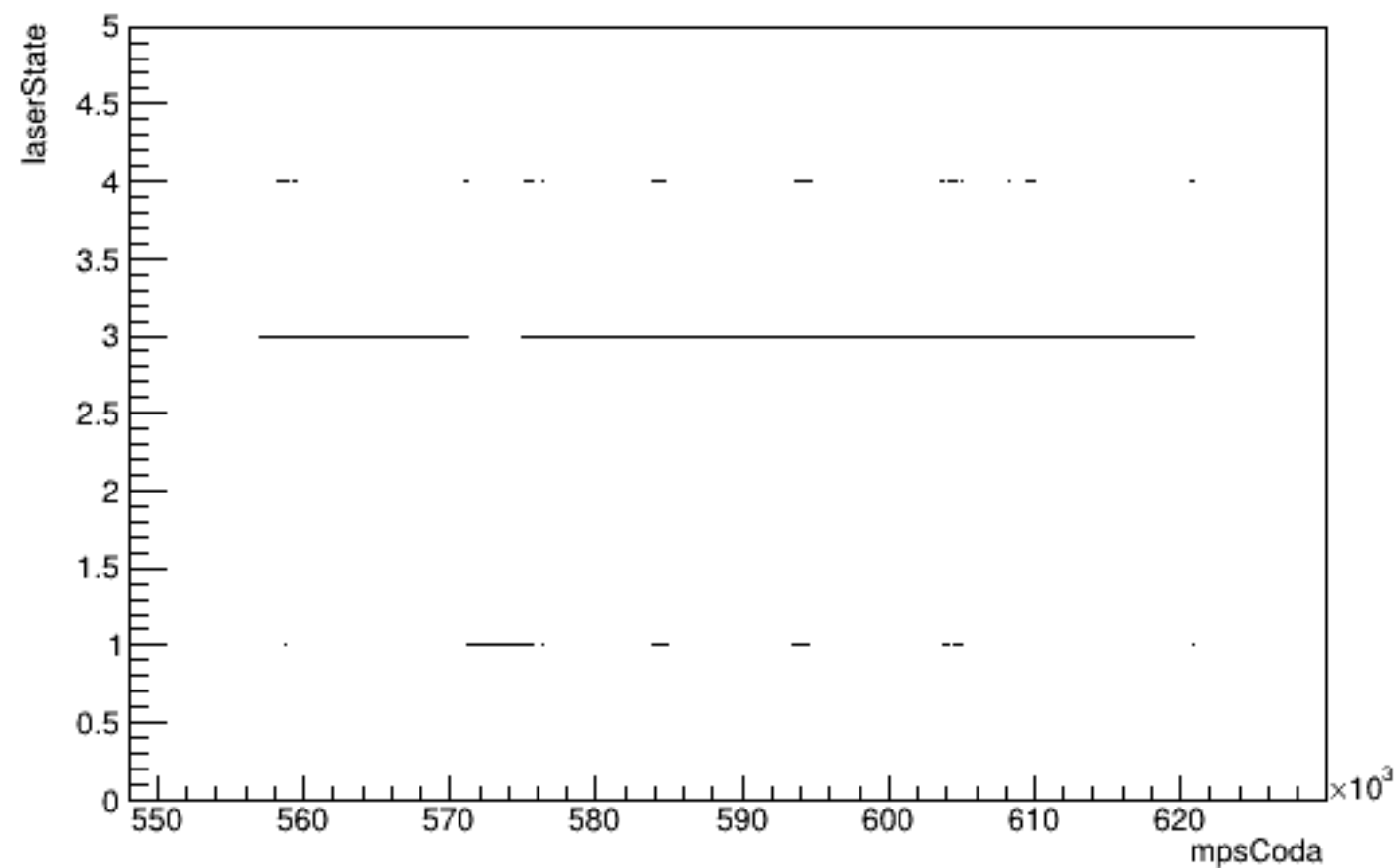
Run 4574 quartetwise, Asyms



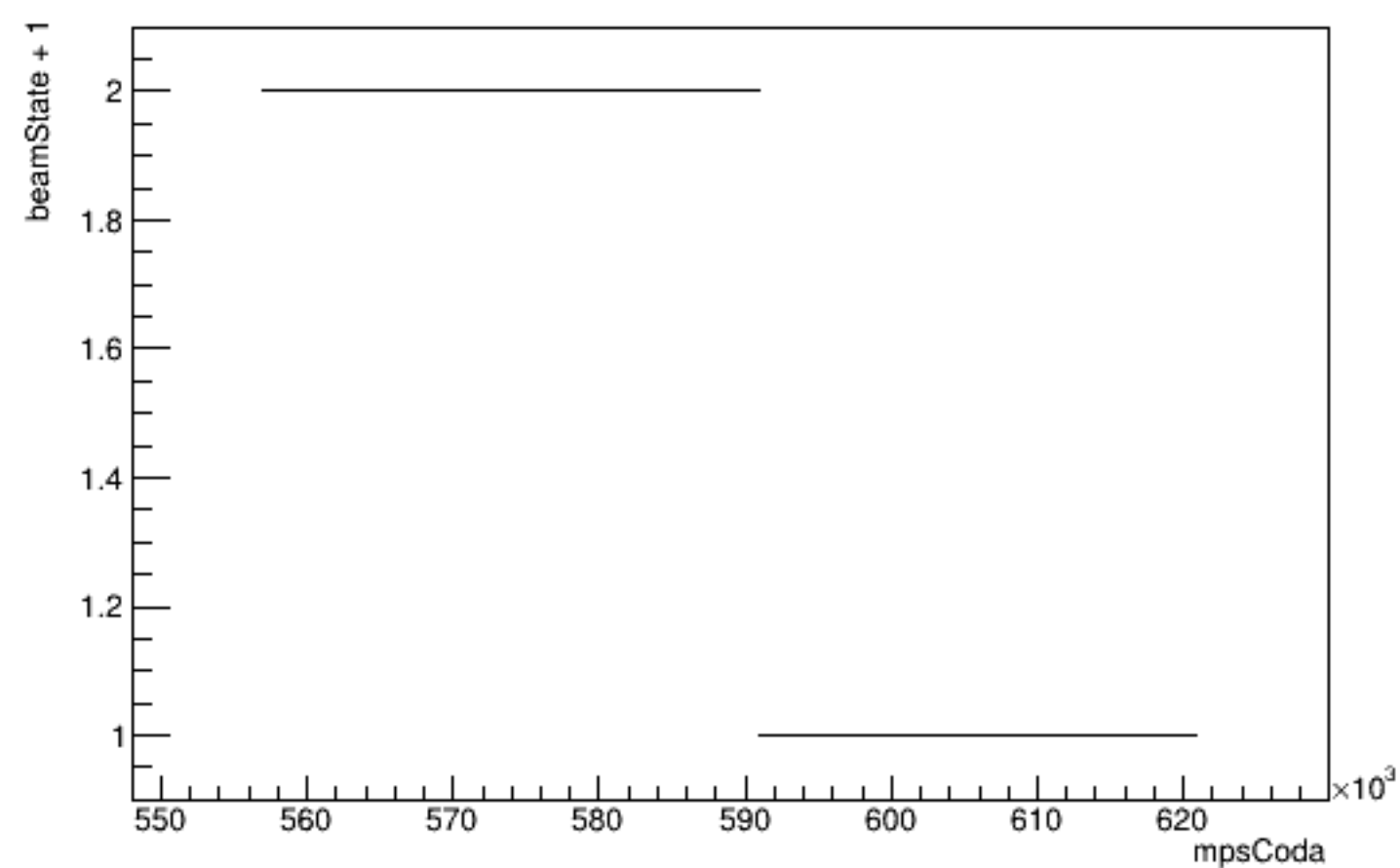
Acc0/NAcc0:mpsCoda {mpsCoda>=556954 && mpsCoda<=620889 && beamState==1}



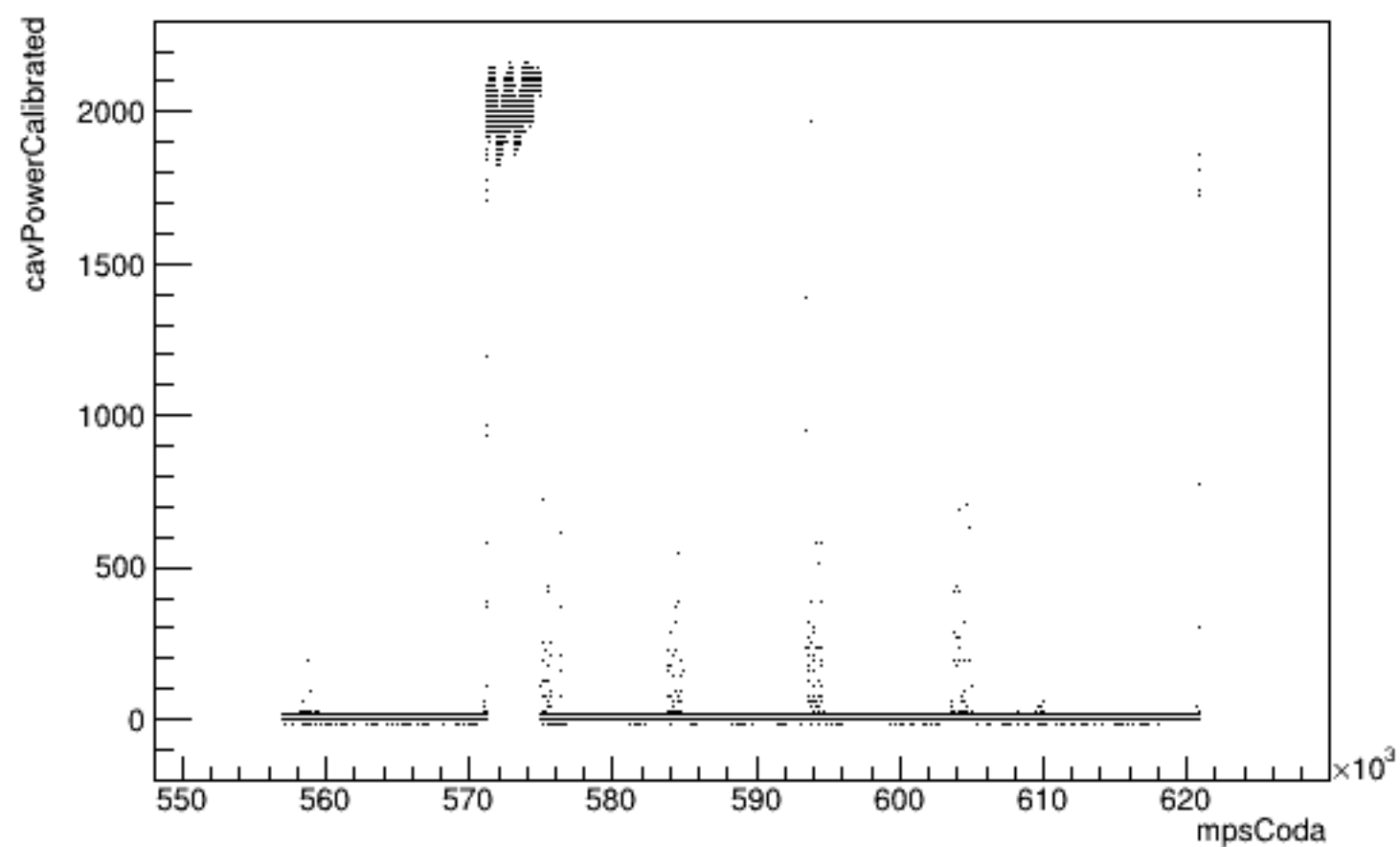
laserState:mpsCoda {mpsCoda&gt;=556954 &amp;&amp; mpsCoda&lt;=620889}



beamState + 1:mpsCoda {mpsCoda&gt;=556954 &amp;&amp; mpsCoda&lt;=620889}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=556954 &amp;&amp; mpsCoda&lt;=620889}



bcm:mpsCoda {mpsCoda&gt;=556954 &amp;&amp; mpsCoda&lt;=620889}

