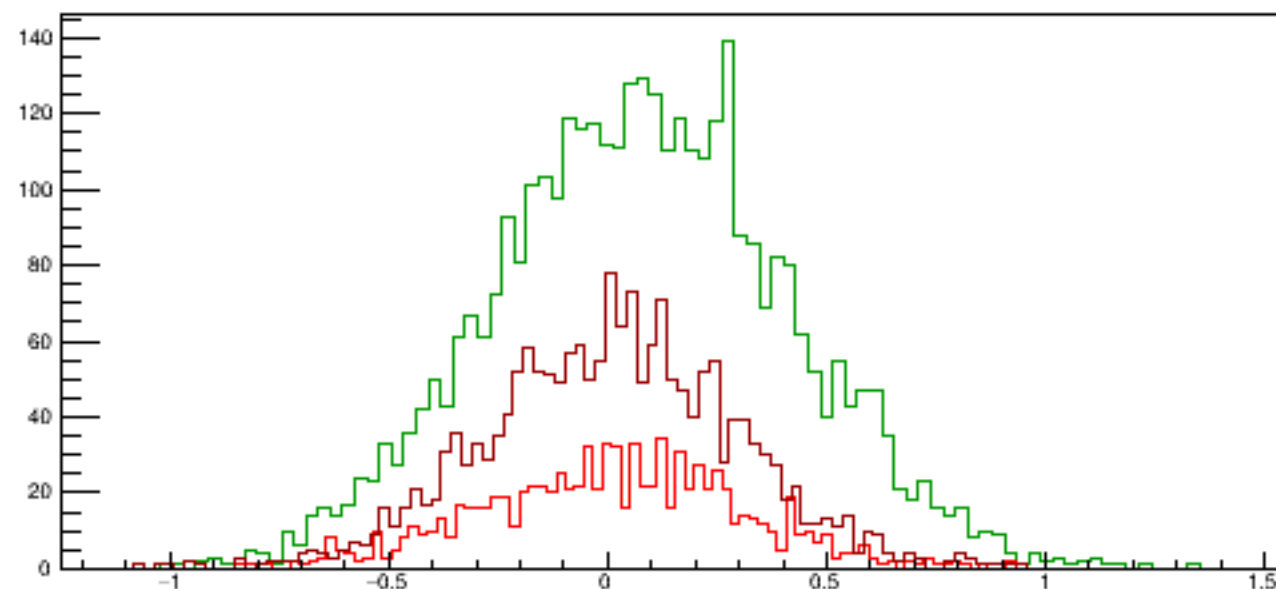


## Cycle 1, Diffs

| Entries: 942               | Entries: 3717              | Entries: 1859              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0085 +/- 0.0097    | Mean: 0.0766 +/- 0.0055    | Mean: 0.0071 +/- 0.0067    |
| Std Dev: 0.2985 +/- 0.0069 | Std Dev: 0.3378 +/- 0.0039 | Std Dev: 0.2892 +/- 0.0047 |

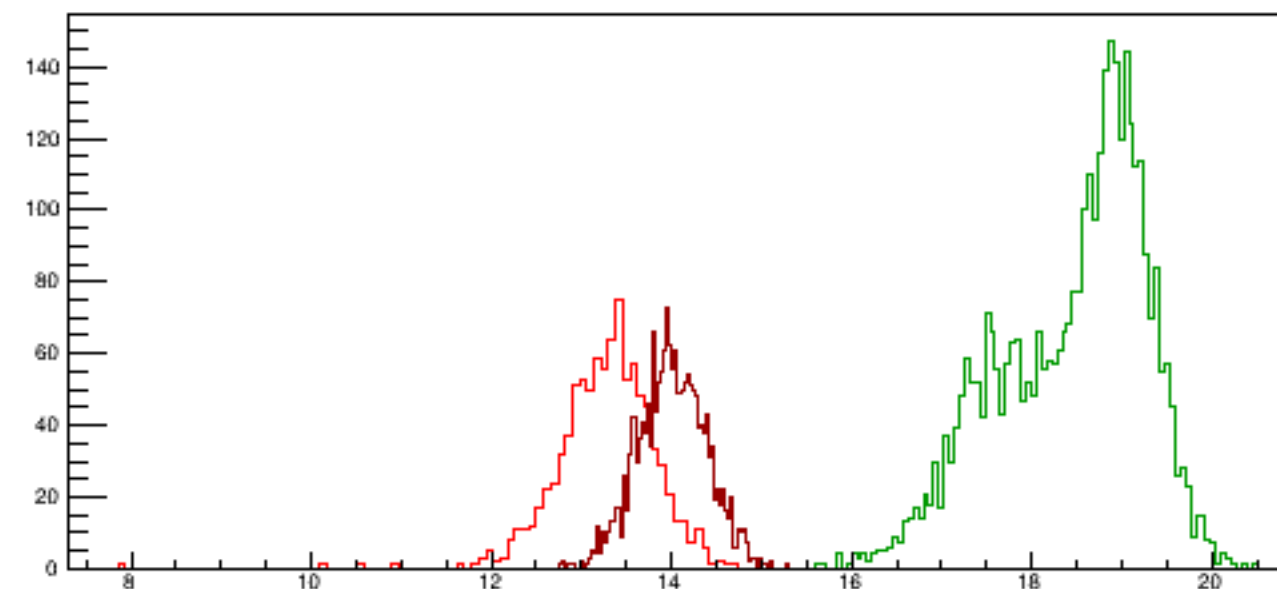
Run 4414 quartetwise, Diffs



## Cycle 1, Sums

| Entries: 942               | Entries: 3717              | Entries: 1859              |
|----------------------------|----------------------------|----------------------------|
| Mean: 13.2721 +/- 0.0176   | Mean: 18.4482 +/- 0.0134   | Mean: 14.0059 +/- 0.0087   |
| Std Dev: 0.5404 +/- 0.0124 | Std Dev: 0.8147 +/- 0.0094 | Std Dev: 0.3762 +/- 0.0062 |

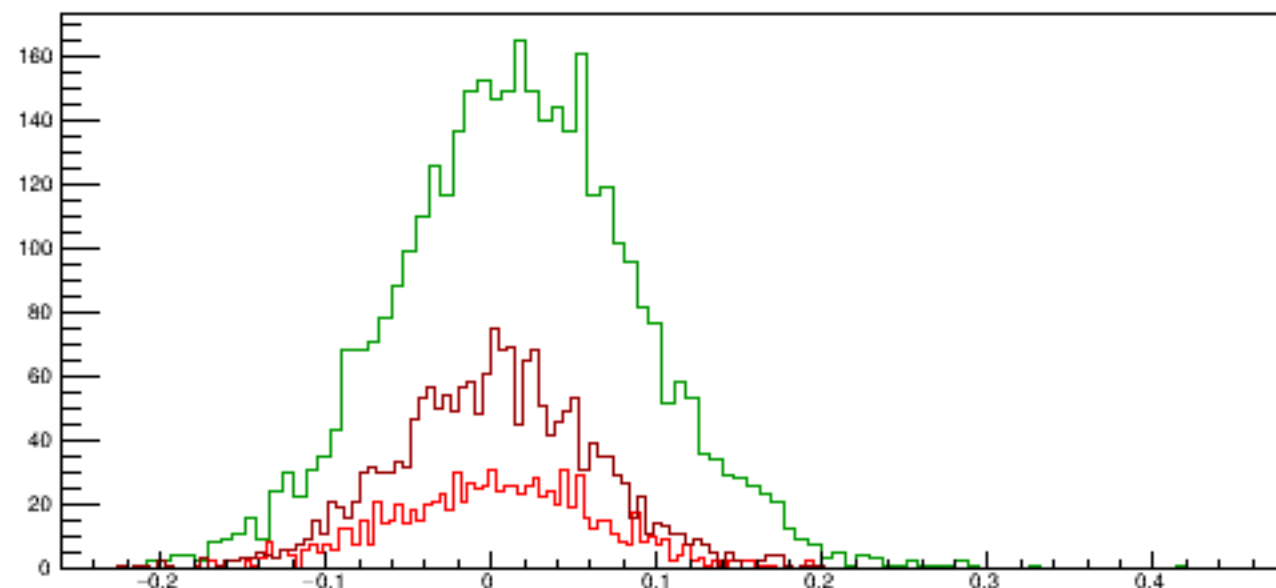
Run 4414 quartetwise, Sums



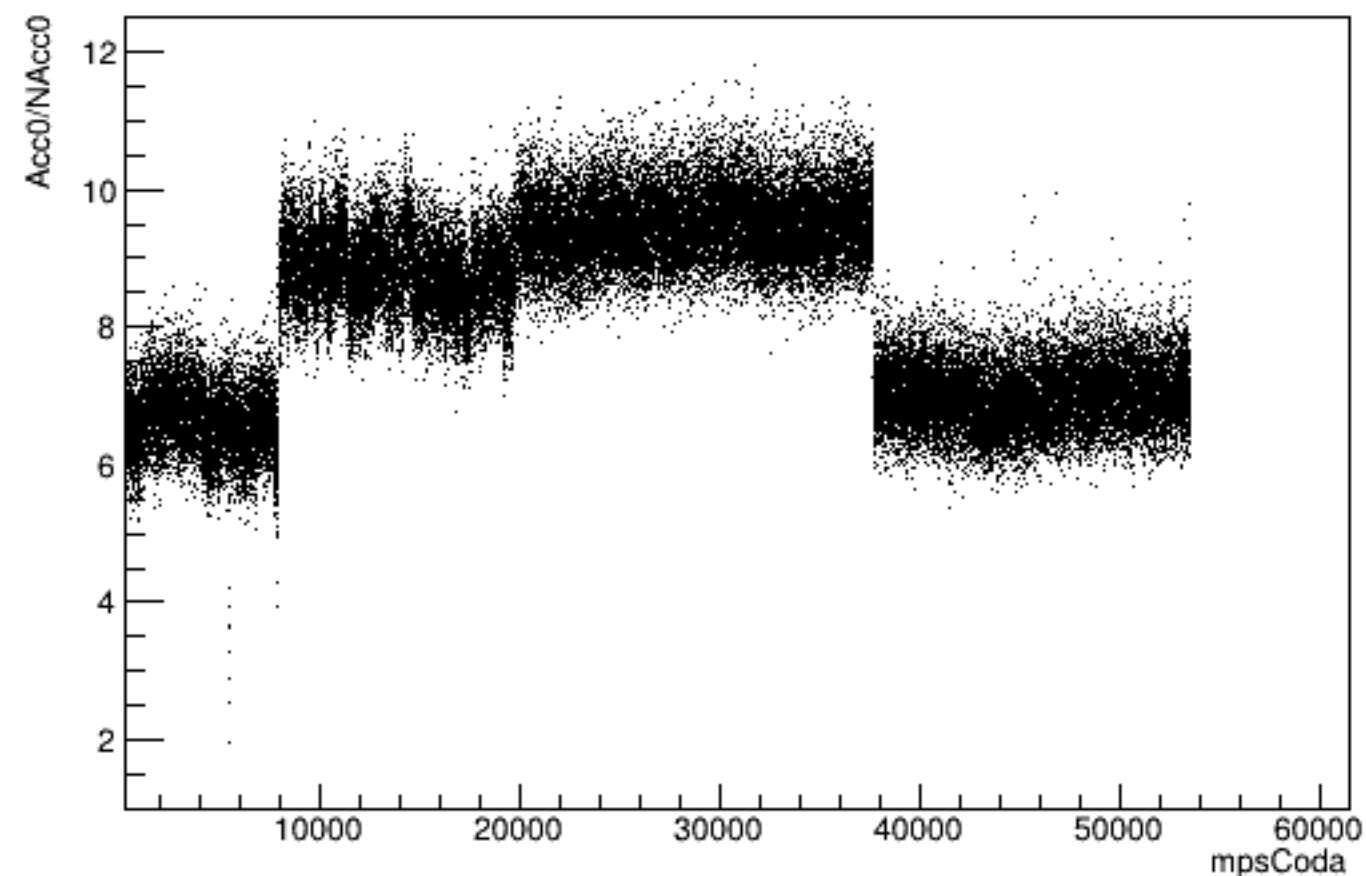
## Cycle 1, Asyms

| Entries: 942               | Entries: 3717              | Entries: 1859              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0018 +/- 0.0020    | Mean: 0.0165 +/- 0.0012    | Mean: 0.0015 +/- 0.0014    |
| Std Dev: 0.0621 +/- 0.0014 | Std Dev: 0.0730 +/- 0.0008 | Std Dev: 0.0601 +/- 0.0010 |

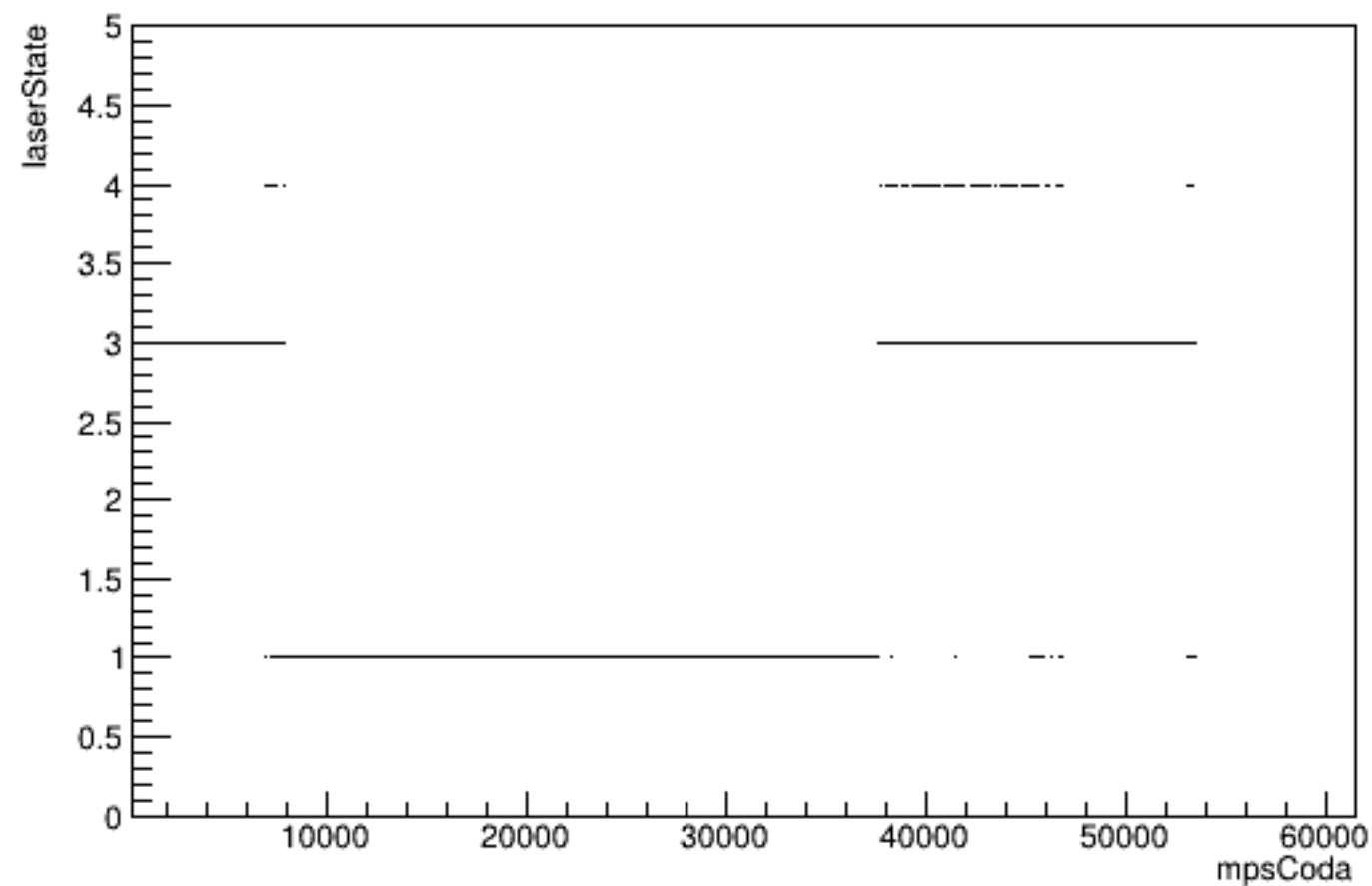
Run 4414 quartetwise, Asyms



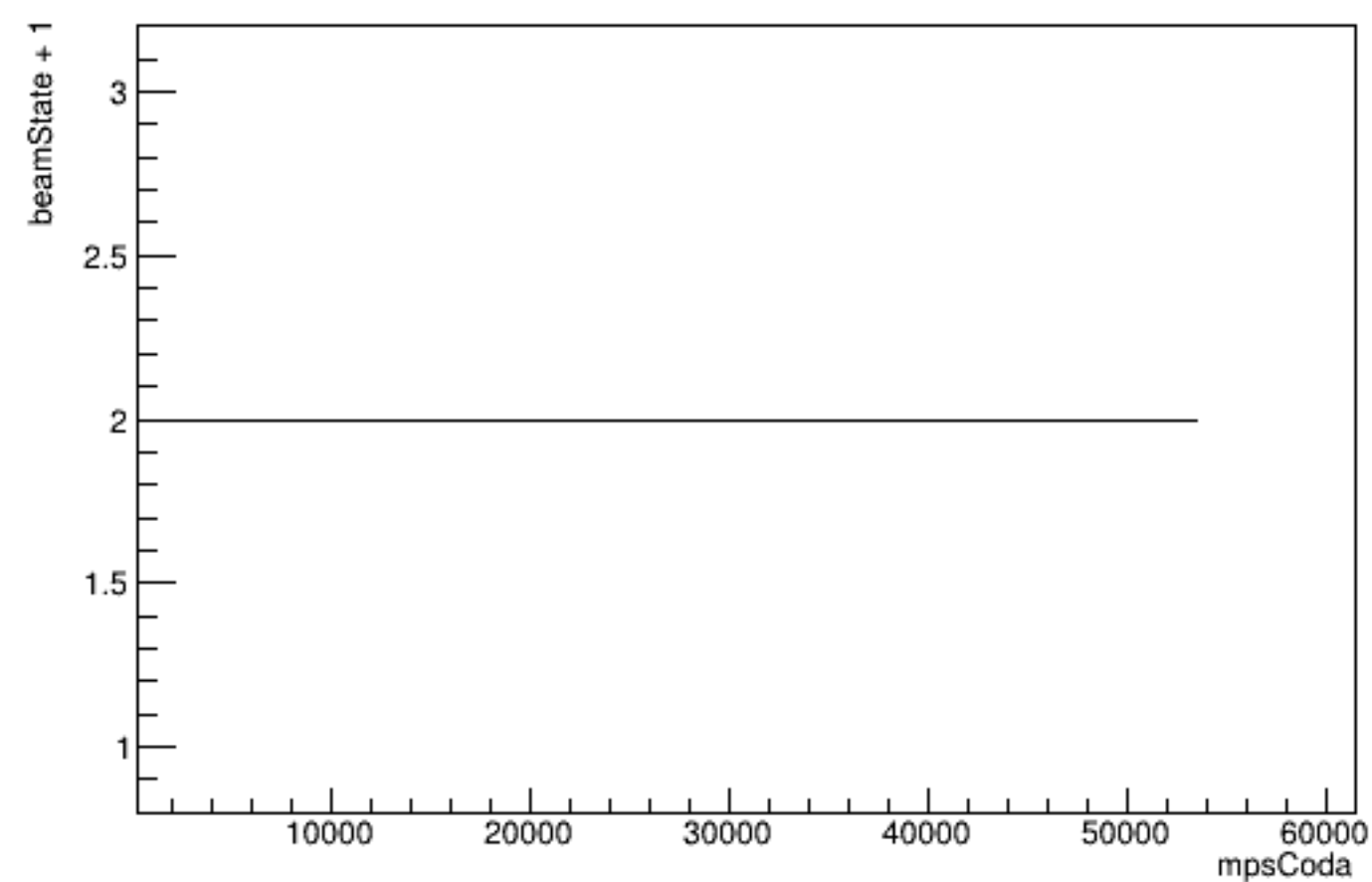
Acc0/NAcc0:mpsCoda {mpsCoda>=260 && mpsCoda<=53507 && beamState==1}



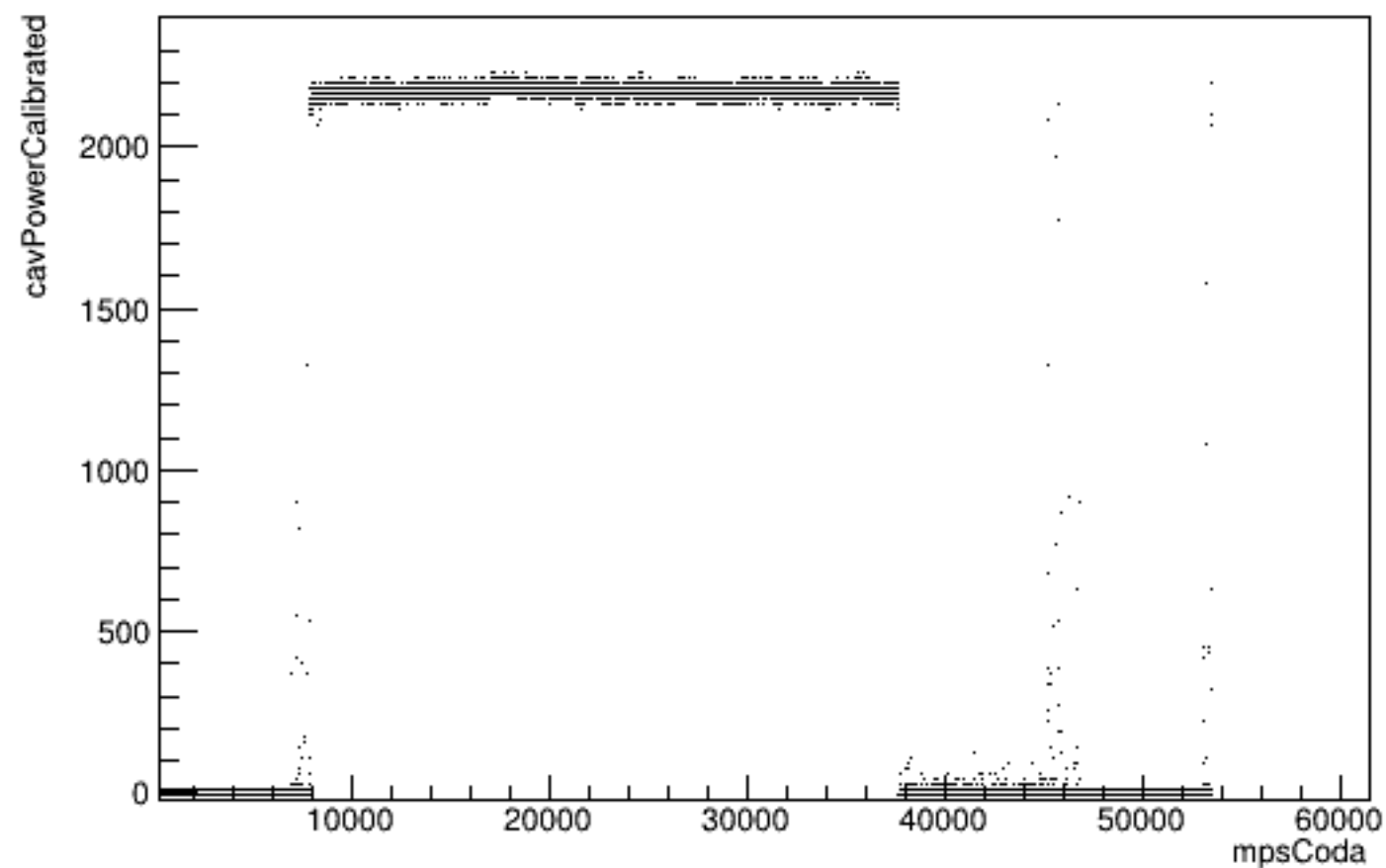
laserState:mpsCoda {mpsCoda&gt;=260 &amp;&amp; mpsCoda&lt;=53507}



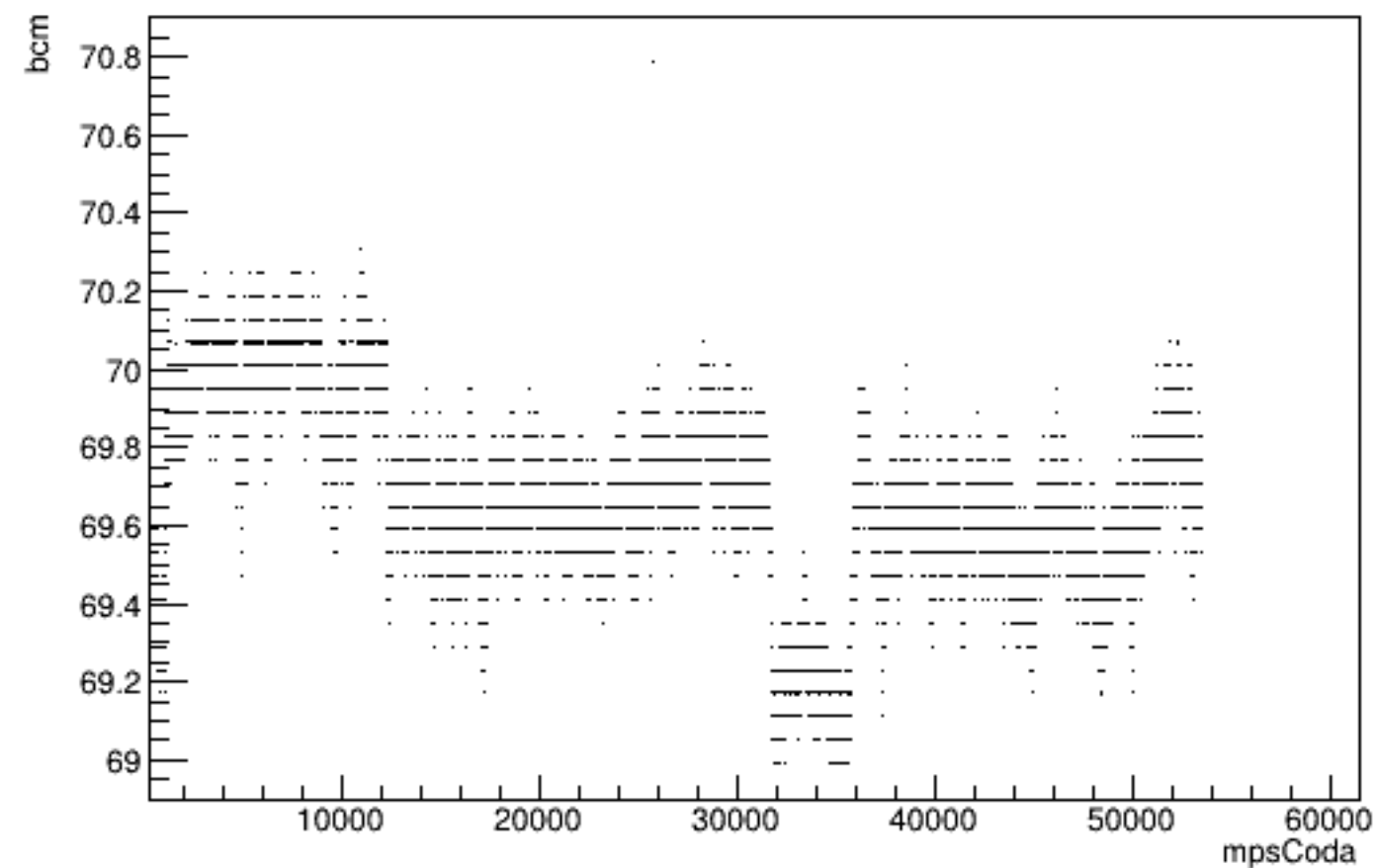
beamState + 1:mpsCoda {mpsCoda&gt;=260 &amp;&amp; mpsCoda&lt;=53507}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=260 &amp;&amp; mpsCoda&lt;=53507}



bcm:mpsCoda {mpsCoda&gt;=260 &amp;&amp; mpsCoda&lt;=53507}



## Cycle 2, Diffs

Entries: 1859

Mean: 0.0071 +/- 0.0067

Std Dev: 0.2892 +/- 0.0047

Entries: 3673

Mean: 0.0763 +/- 0.0056

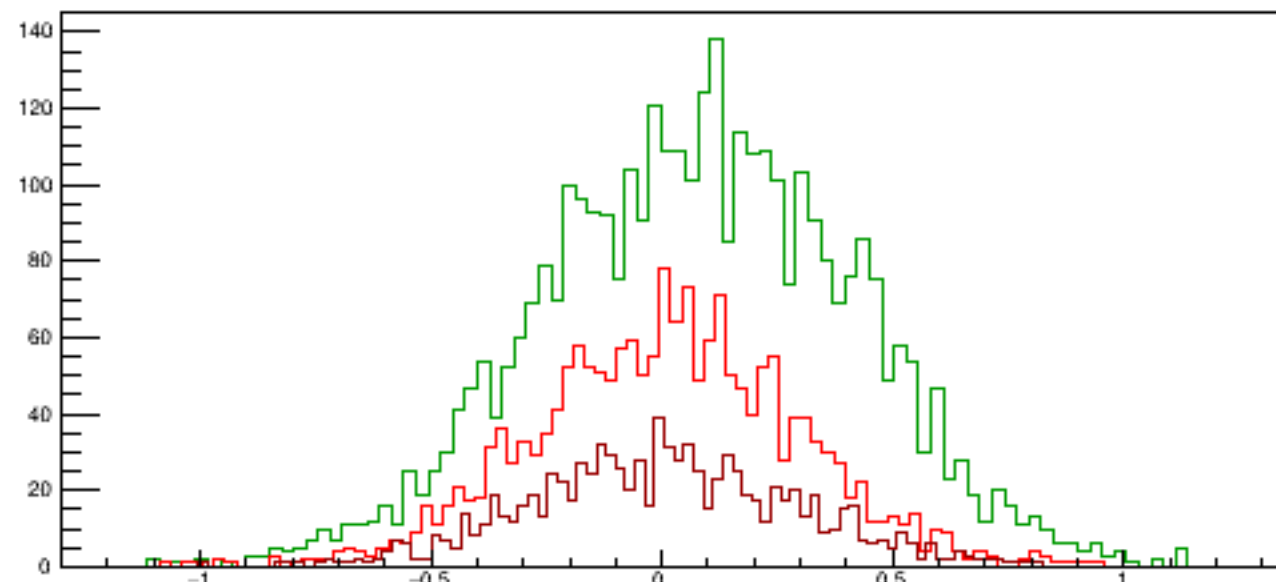
Std Dev: 0.3394 +/- 0.0040

Entries: 949

Mean: 0.0028 +/- 0.0094

Std Dev: 0.2903 +/- 0.0067

Run 4414 quartetwise, Diffs



## Cycle 2, Sums

Entries: 1859

Mean: 14.0059 +/- 0.0087

Std Dev: 0.3762 +/- 0.0062

Entries: 3673

Mean: 19.3472 +/- 0.0064

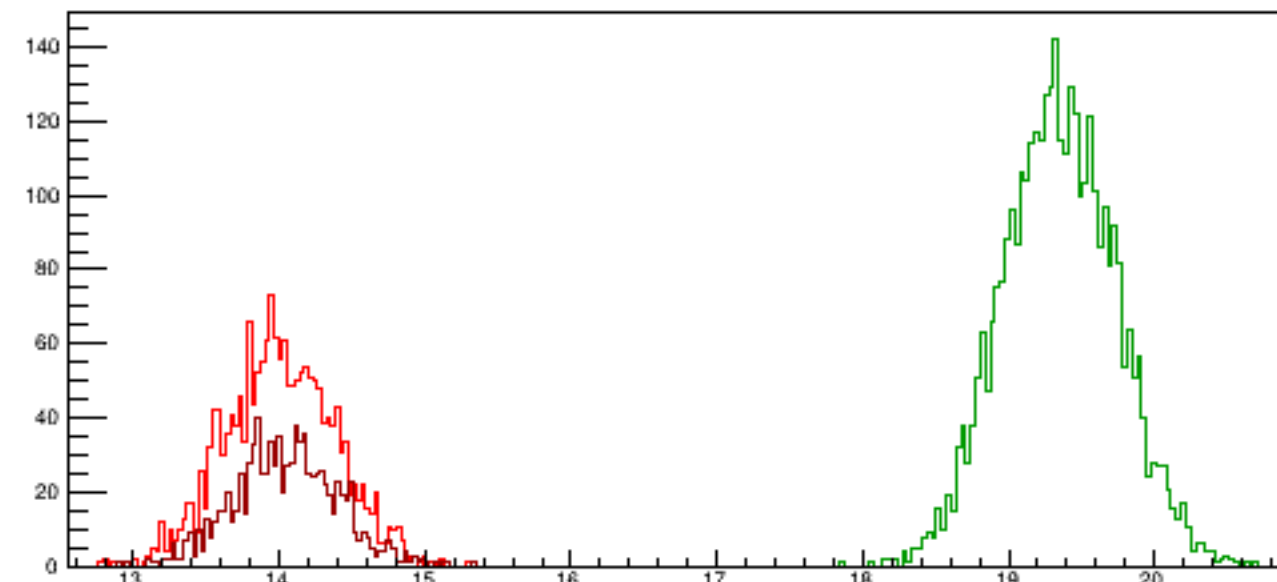
Std Dev: 0.3880 +/- 0.0045

Entries: 949

Mean: 14.0459 +/- 0.0115

Std Dev: 0.3547 +/- 0.0081

Run 4414 quartetwise, Sums



## Cycle 2, Asyms

Entries: 1859

Mean: 0.0013 +/- 0.0013

Std Dev: 0.0543 +/- 0.0009

Entries: 3673

Mean: 0.0144 +/- 0.0011

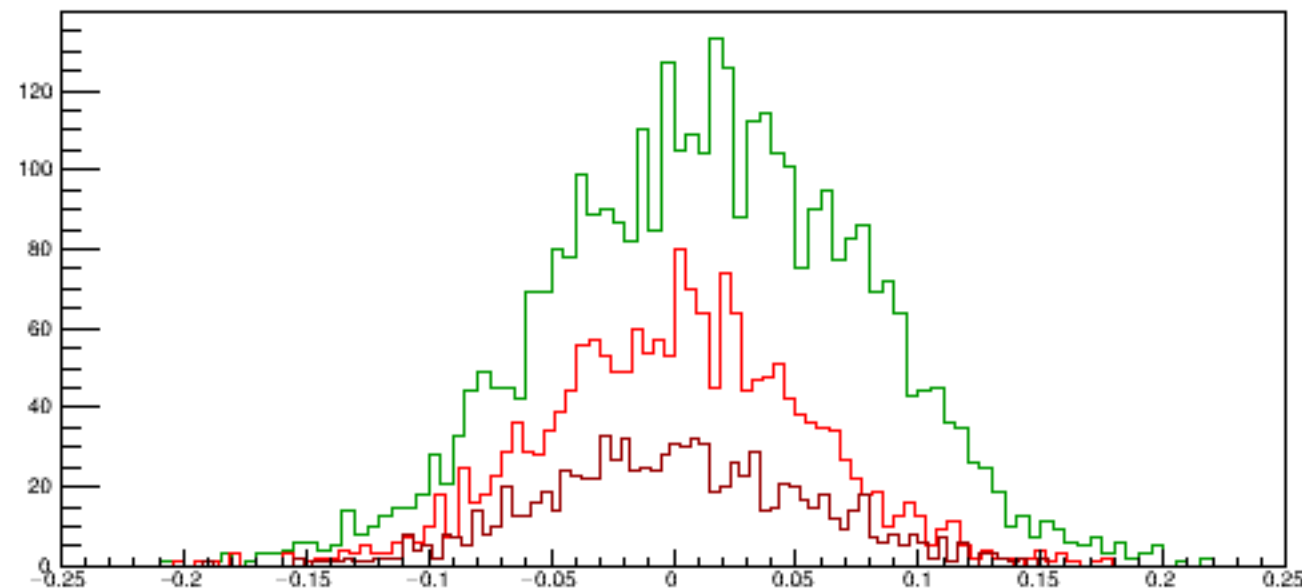
Std Dev: 0.0639 +/- 0.0007

Entries: 949

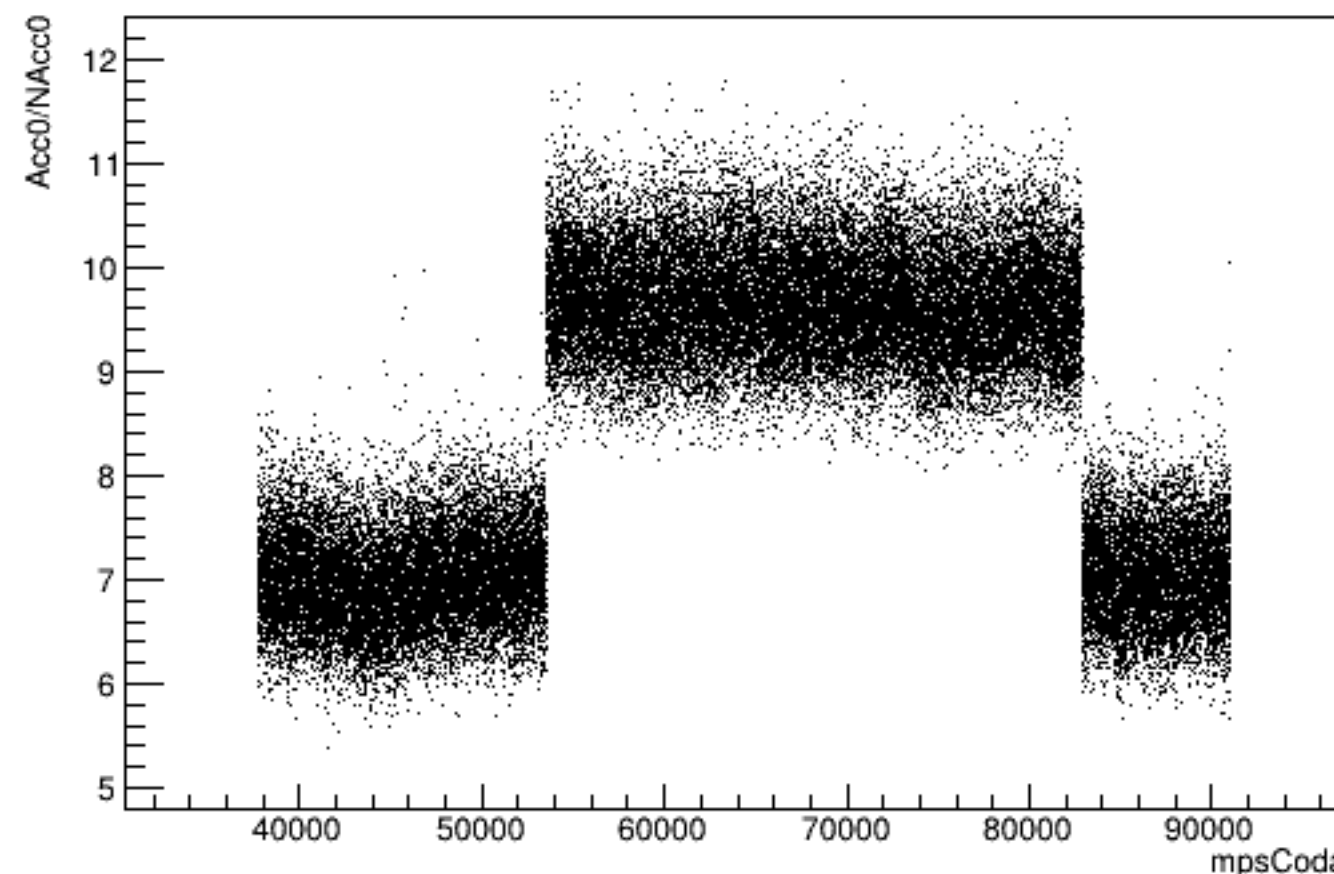
Mean: 0.0005 +/- 0.0018

Std Dev: 0.0545 +/- 0.0013

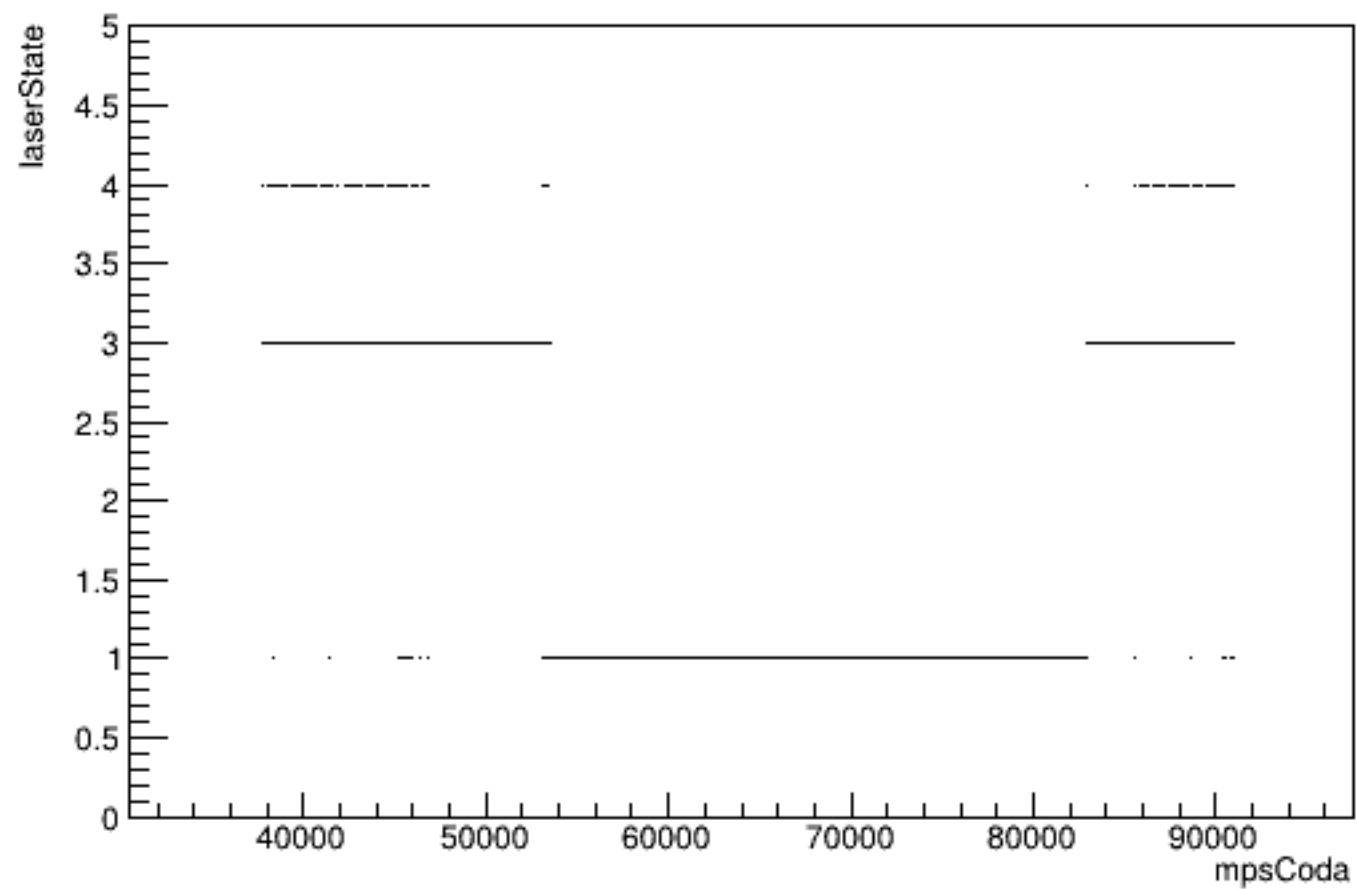
Run 4414 quartetwise, Asyms



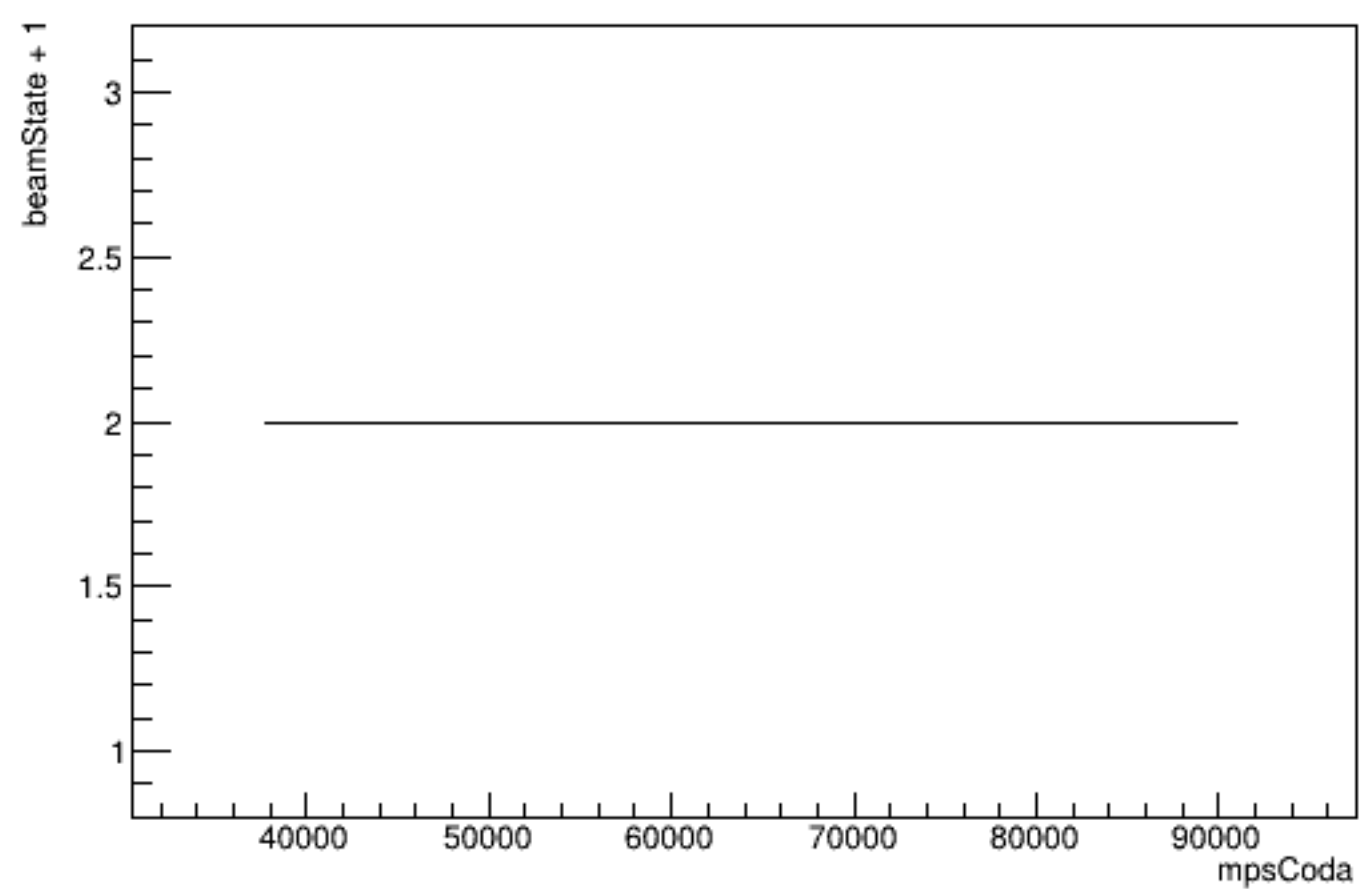
Acc0/NAcc0:mpsCoda {mpsCoda>=37700 && mpsCoda<=91067 && beamState==1}



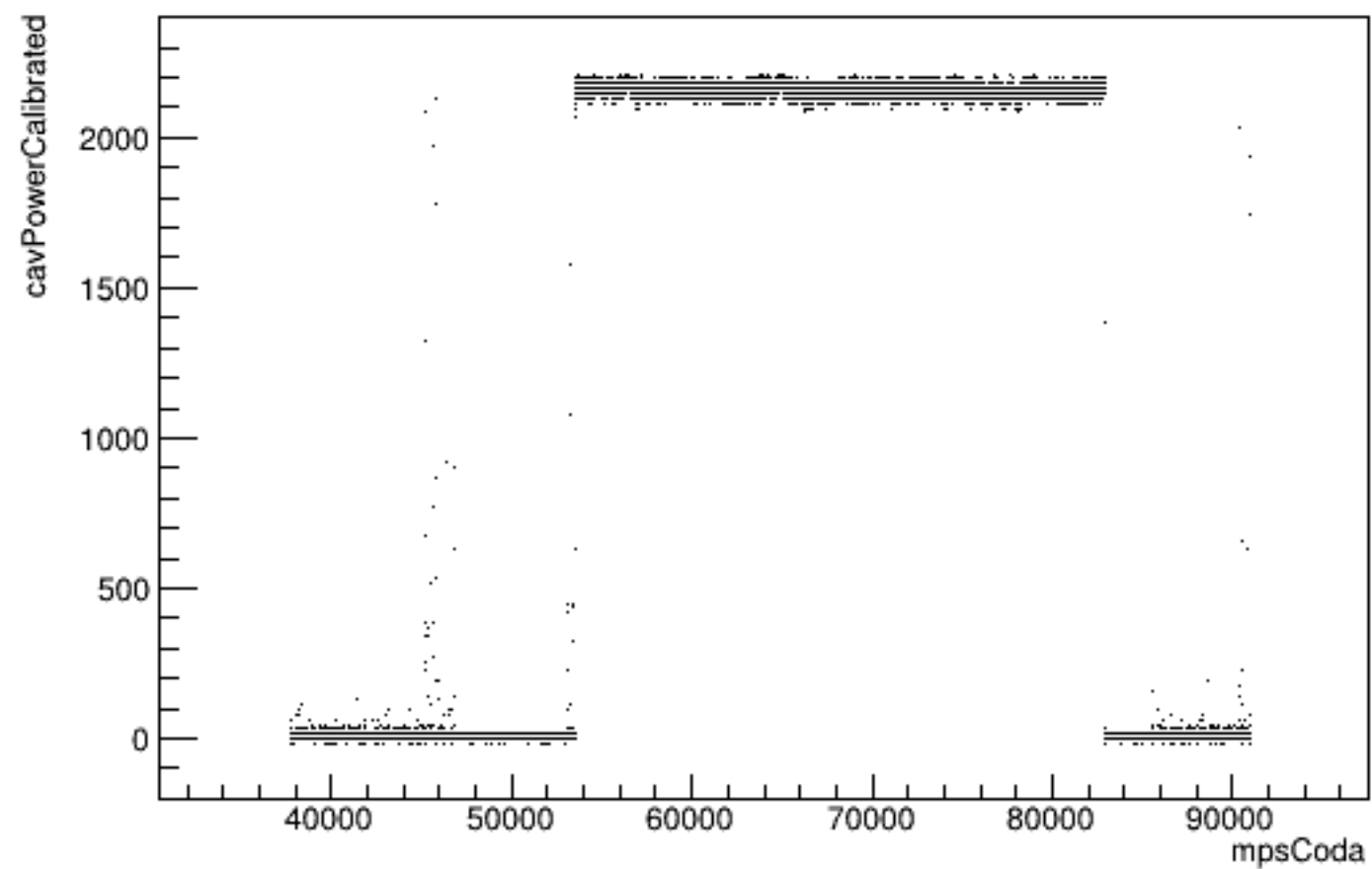
laserState:mpsCoda {mpsCoda&gt;=37700 &amp;&amp; mpsCoda&lt;=91067}



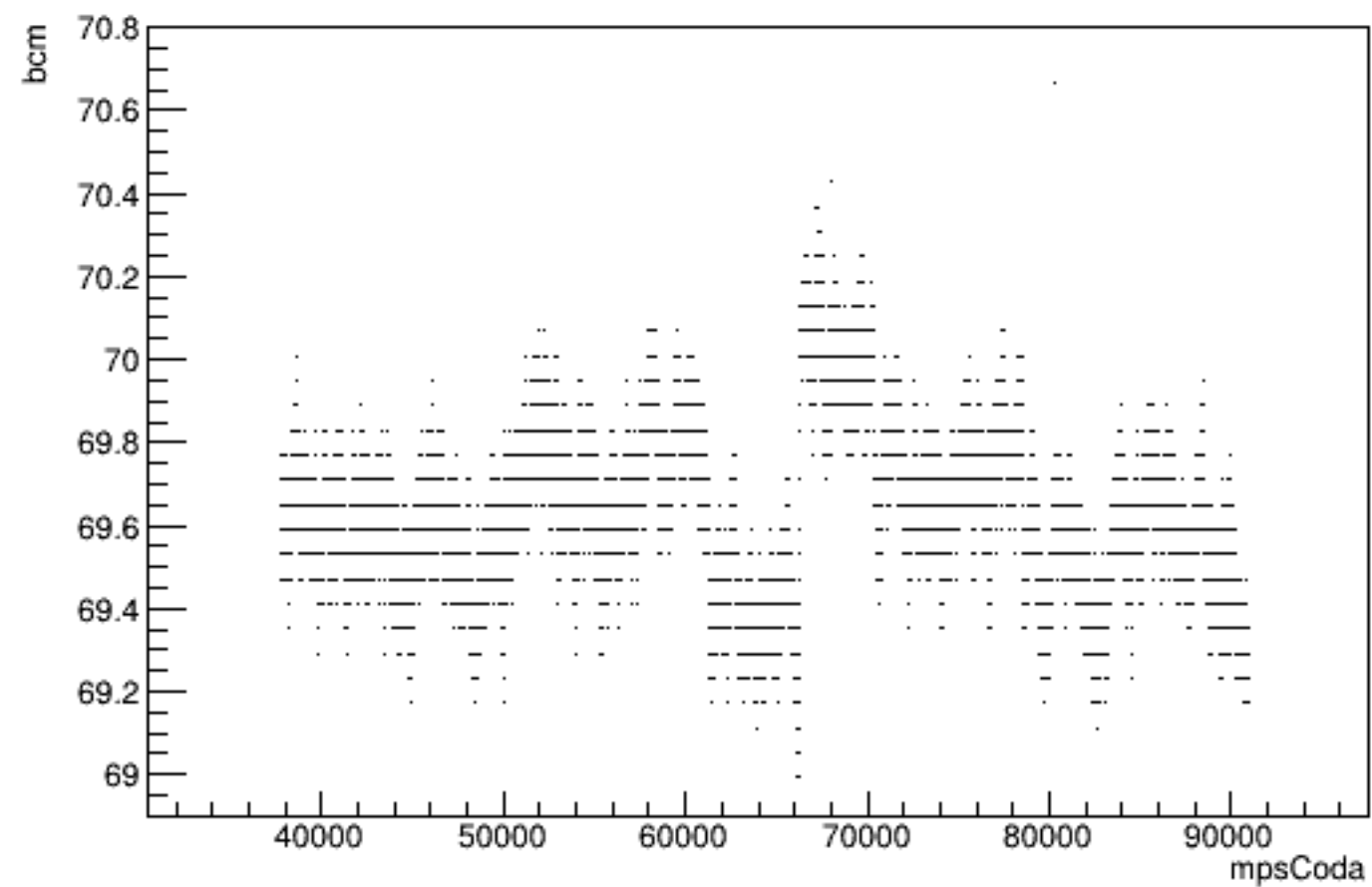
beamState + 1:mpsCoda {mpsCoda&gt;=37700 &amp;&amp; mpsCoda&lt;=91067}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=37700 &amp;&amp; mpsCoda&lt;=91067}



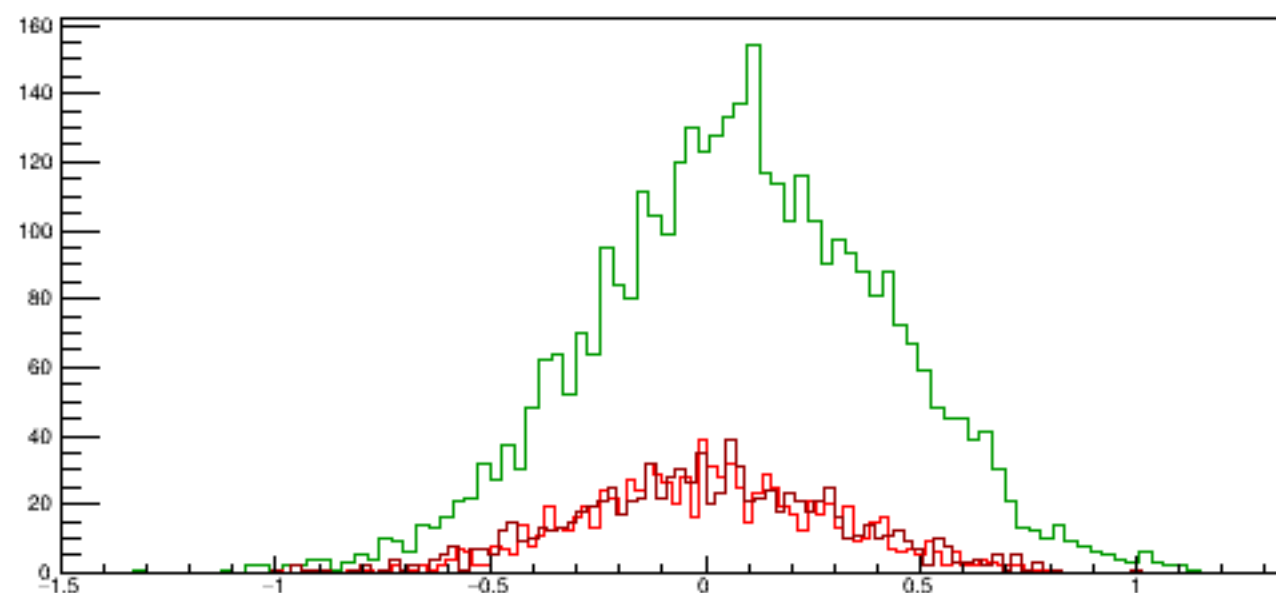
bcm:mpsCoda {mpsCoda&gt;=37700 &amp;&amp; mpsCoda&lt;=91067}



## Cycle 3, Diffs

| Entries: 949               | Entries: 3782              | Entries: 924               |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0028 +/- 0.0094    | Mean: 0.0794 +/- 0.0056    | Mean: -0.0014 +/- 0.0103   |
| Std Dev: 0.2903 +/- 0.0067 | Std Dev: 0.3424 +/- 0.0039 | Std Dev: 0.3128 +/- 0.0073 |

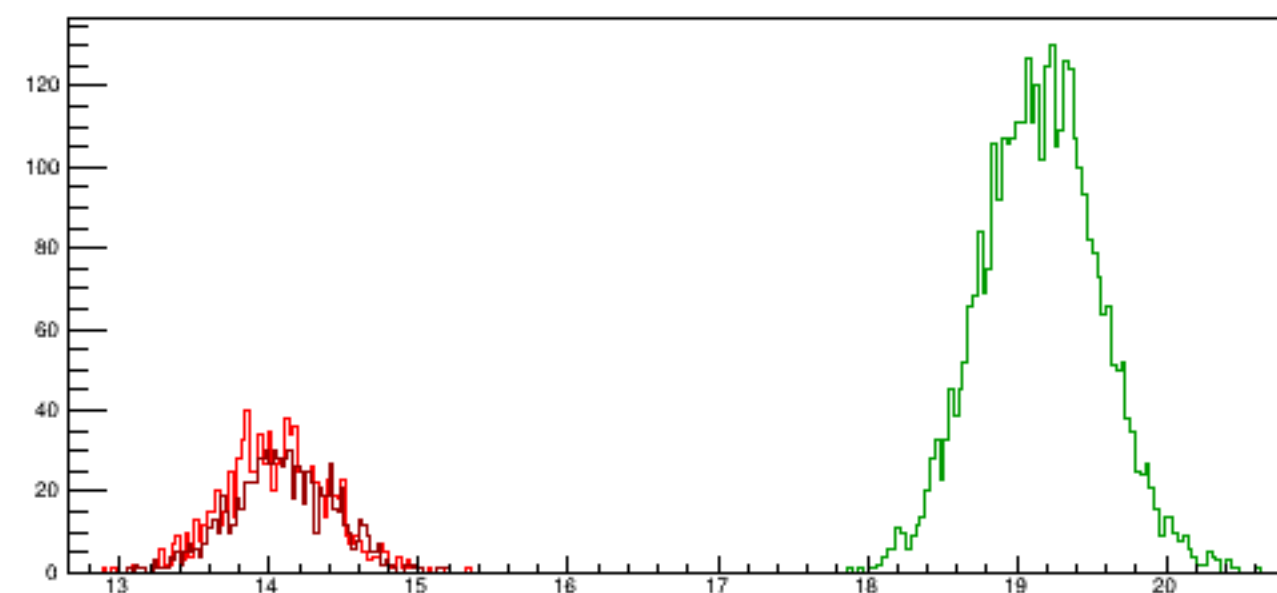
Run 4414 quartetwise, Diffs



## Cycle 3, Sums

| Entries: 949               | Entries: 3782              | Entries: 924               |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.0459 +/- 0.0115   | Mean: 19.1636 +/- 0.0064   | Mean: 14.0920 +/- 0.0113   |
| Std Dev: 0.3547 +/- 0.0081 | Std Dev: 0.3966 +/- 0.0046 | Std Dev: 0.3443 +/- 0.0080 |

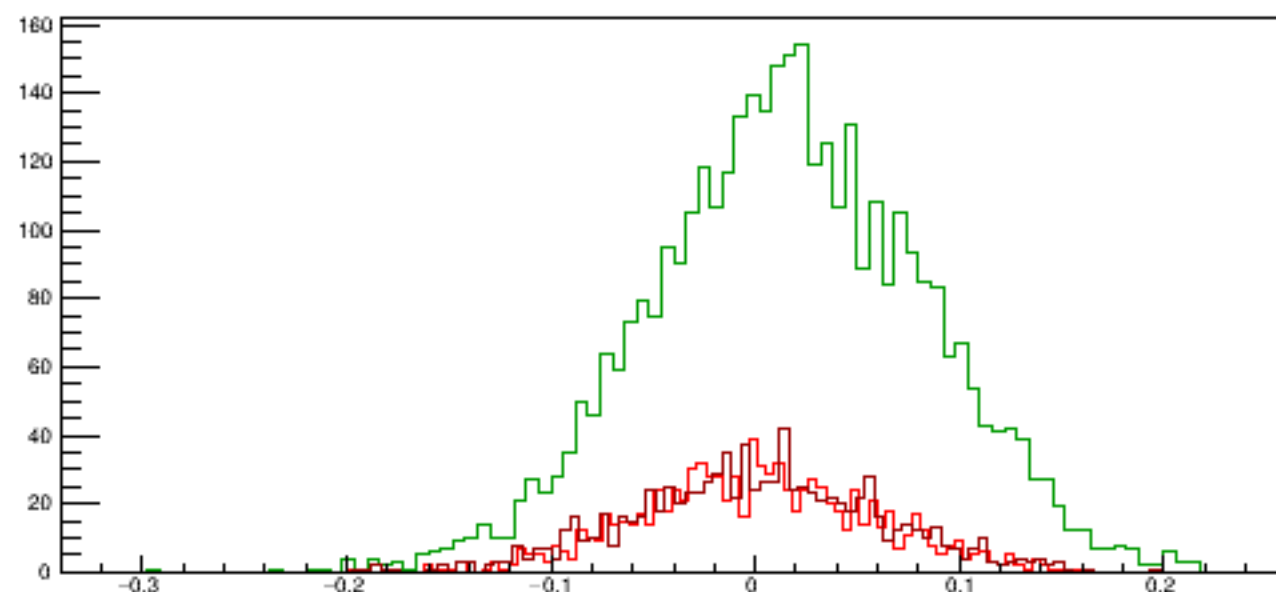
Run 4414 quartetwise, Sums



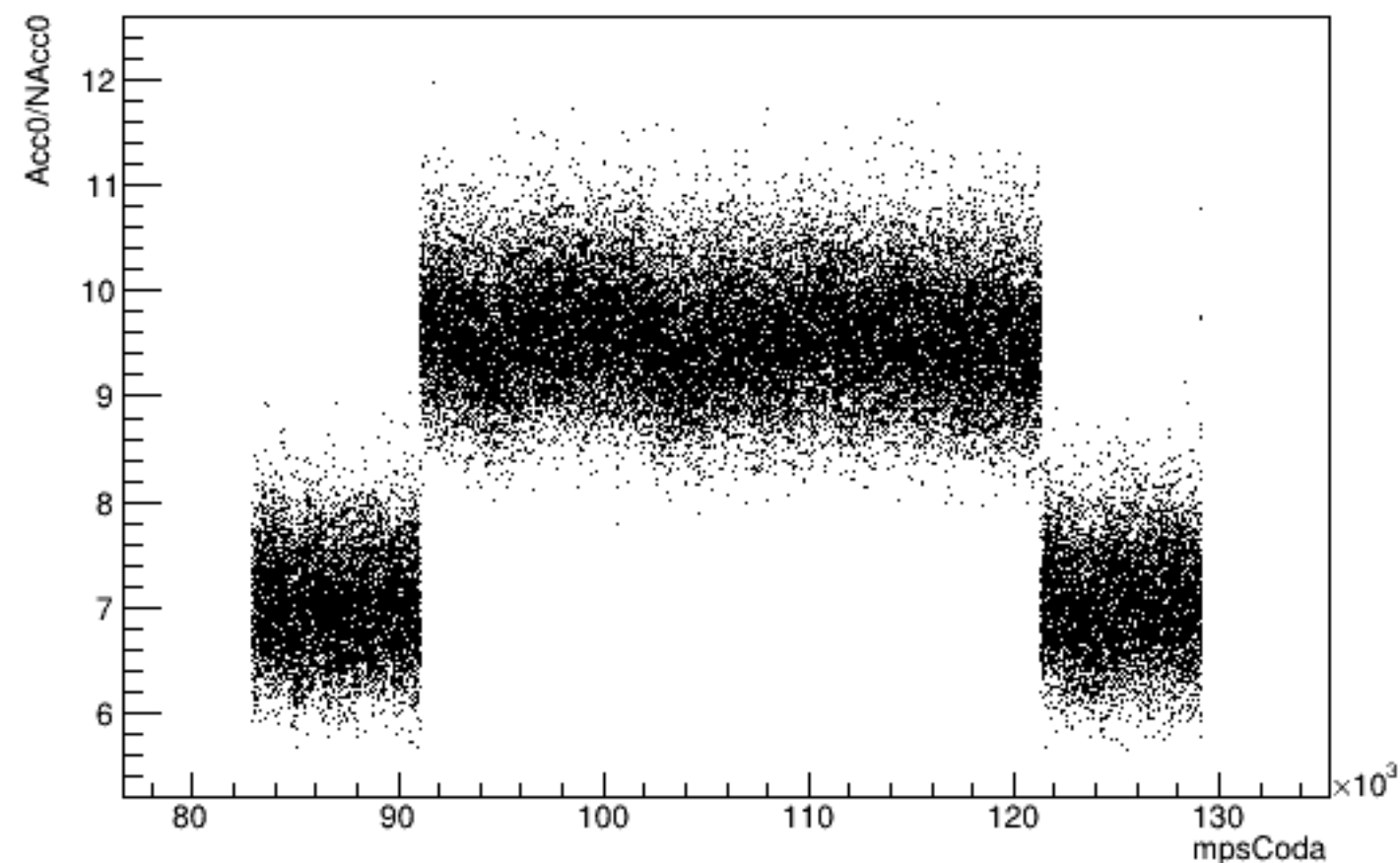
## Cycle 3, Asyms

| Entries: 949               | Entries: 3782              | Entries: 924               |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0005 +/- 0.0018    | Mean: 0.0157 +/- 0.0011    | Mean: -0.0003 +/- 0.0020   |
| Std Dev: 0.0570 +/- 0.0013 | Std Dev: 0.0675 +/- 0.0008 | Std Dev: 0.0614 +/- 0.0014 |

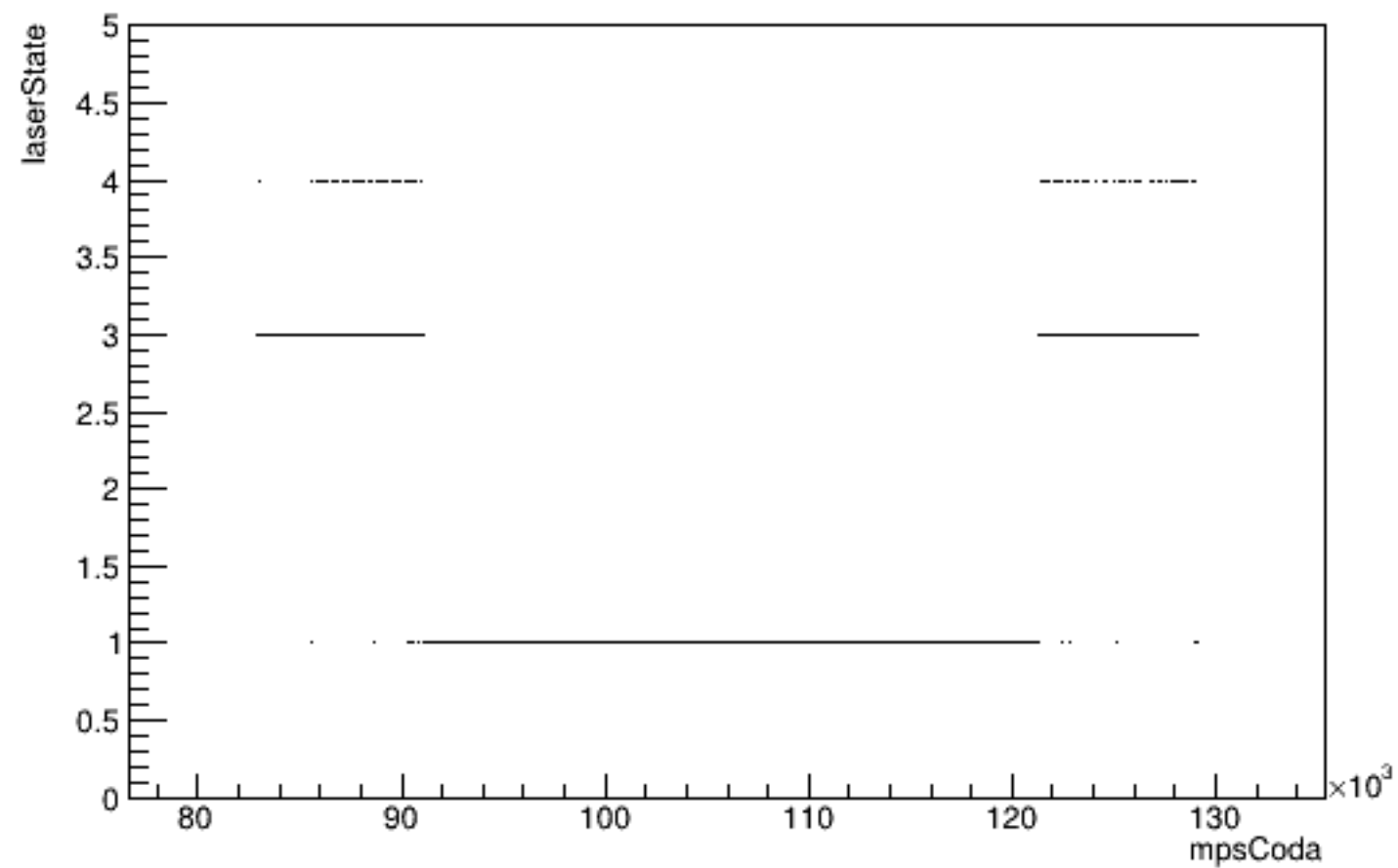
Run 4414 quartetwise, Asyms



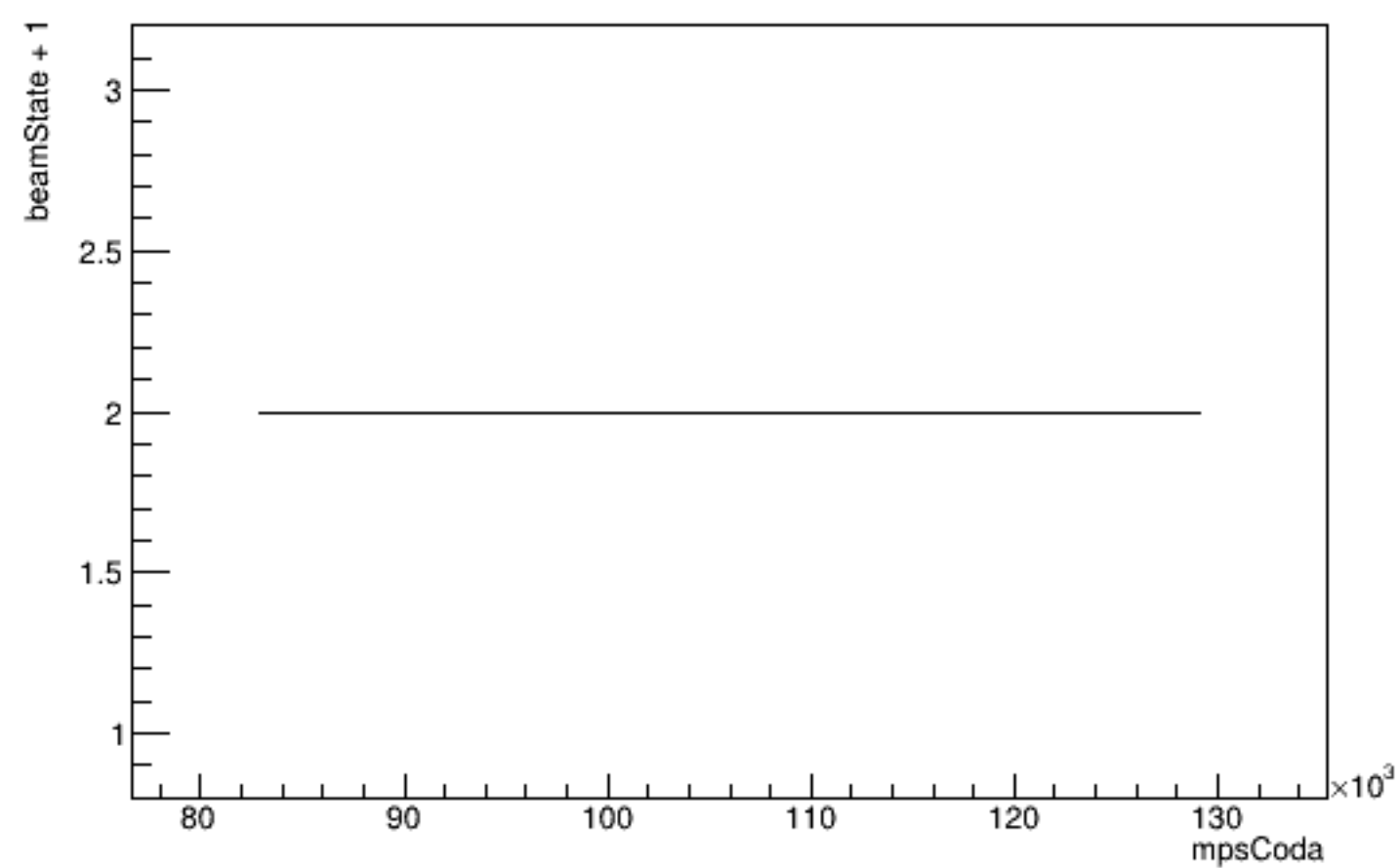
Acc0/NAcc0:mpsCoda {mpsCoda>=82900 && mpsCoda<=129155 && beamState==1}



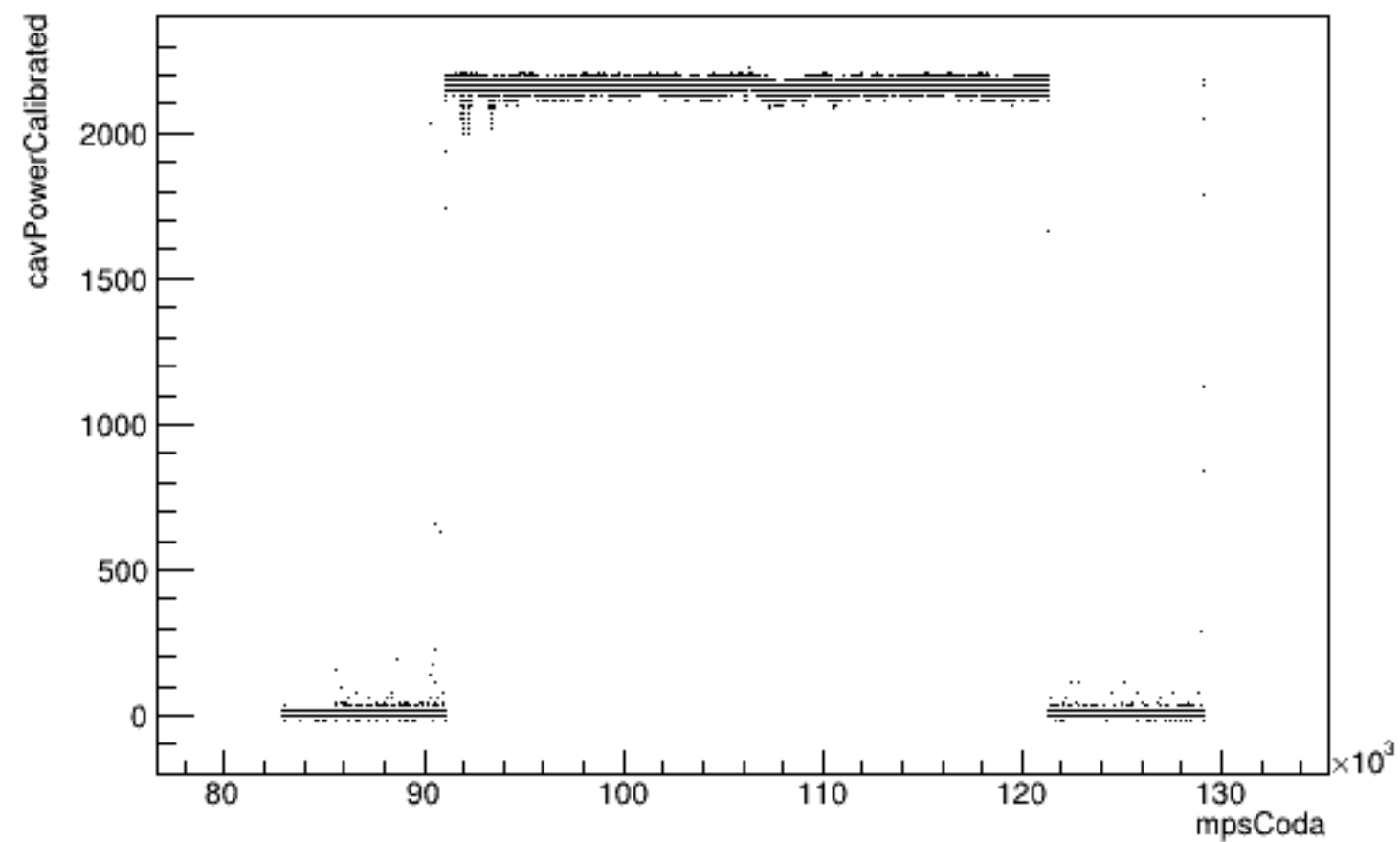
laserState:mpsCoda {mpsCoda&gt;=82900 &amp;&amp; mpsCoda&lt;=129155}



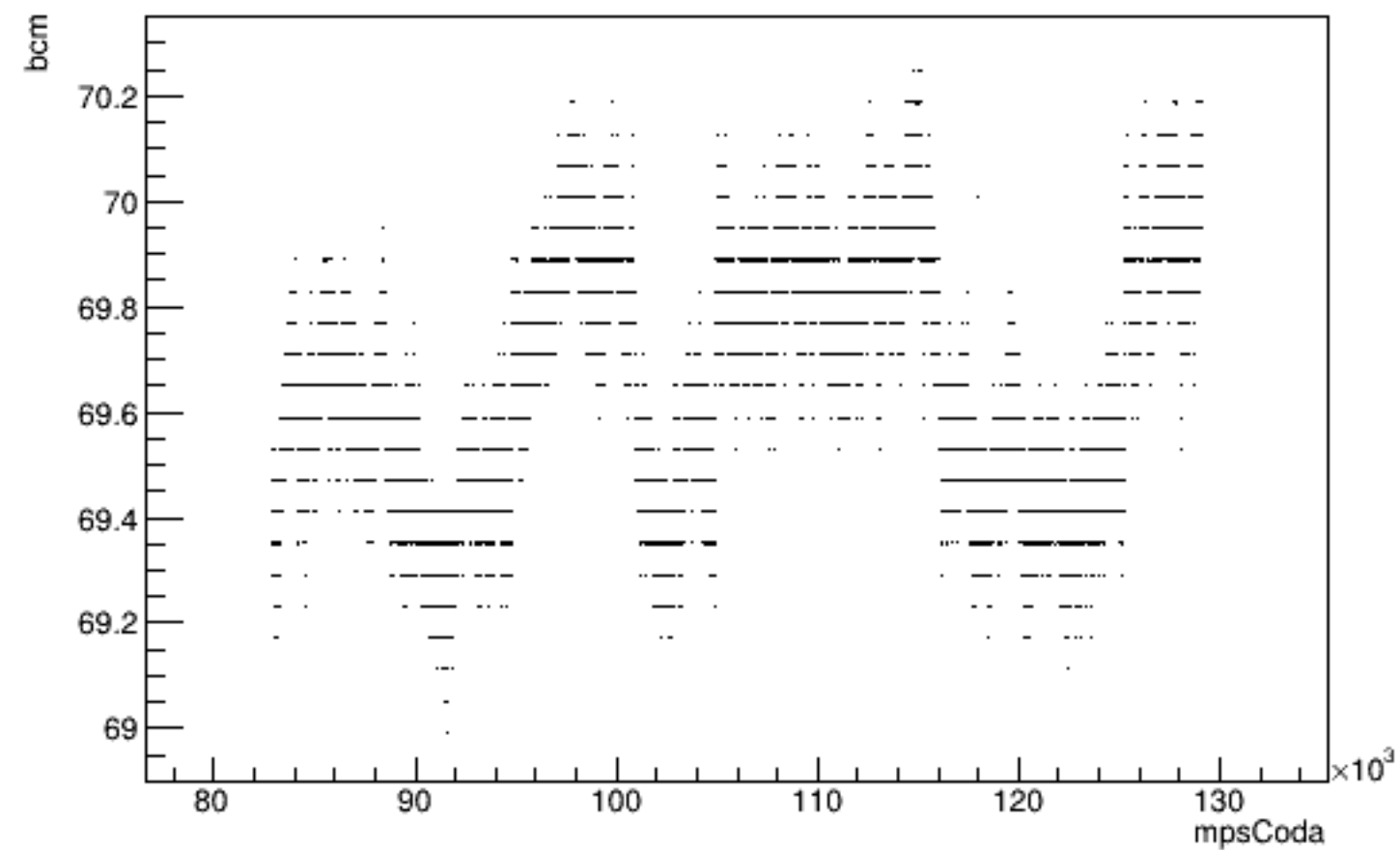
beamState + 1:mpsCoda {mpsCoda&gt;=82900 &amp;&amp; mpsCoda&lt;=129155}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=82900 &amp;&amp; mpsCoda&lt;=129155}



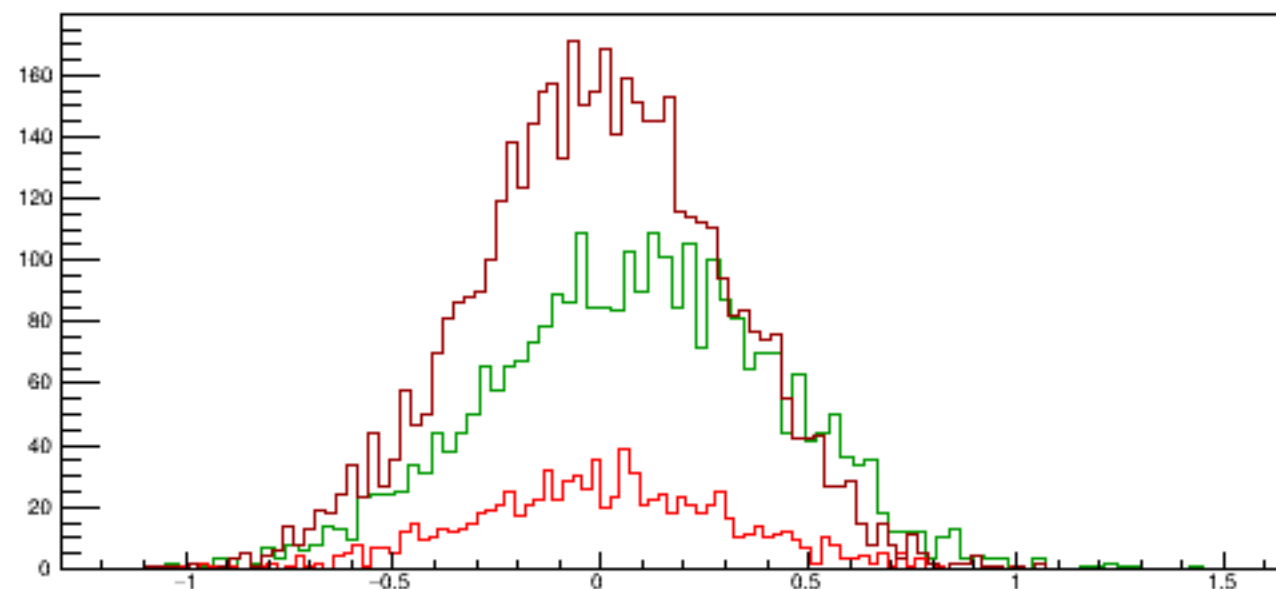
bcm:mpsCoda {mpsCoda&gt;=82900 &amp;&amp; mpsCoda&lt;=129155}



## Cycle 4, Diffs

| Entries: 924               | Entries: 2952              | Entries: 4747              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0014 +/- 0.0103   | Mean: 0.0799 +/- 0.0063    | Mean: -0.0054 +/- 0.0044   |
| Std Dev: 0.3128 +/- 0.0073 | Std Dev: 0.3442 +/- 0.0045 | Std Dev: 0.3036 +/- 0.0031 |

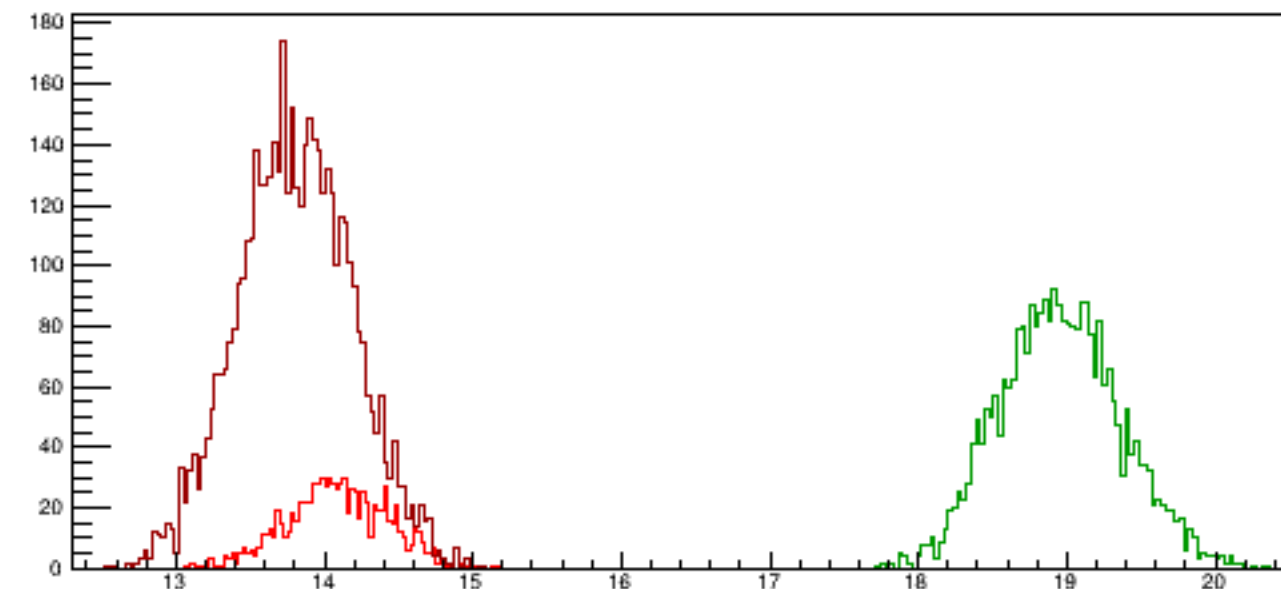
Run 4414 quartetwise, Diffs



## Cycle 4, Sums

| Entries: 924               | Entries: 2952              | Entries: 4747              |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.0920 +/- 0.0113   | Mean: 18.9528 +/- 0.0075   | Mean: 13.8065 +/- 0.0056   |
| Std Dev: 0.3443 +/- 0.0080 | Std Dev: 0.4077 +/- 0.0053 | Std Dev: 0.3856 +/- 0.0040 |

Run 4414 quartetwise, Sums

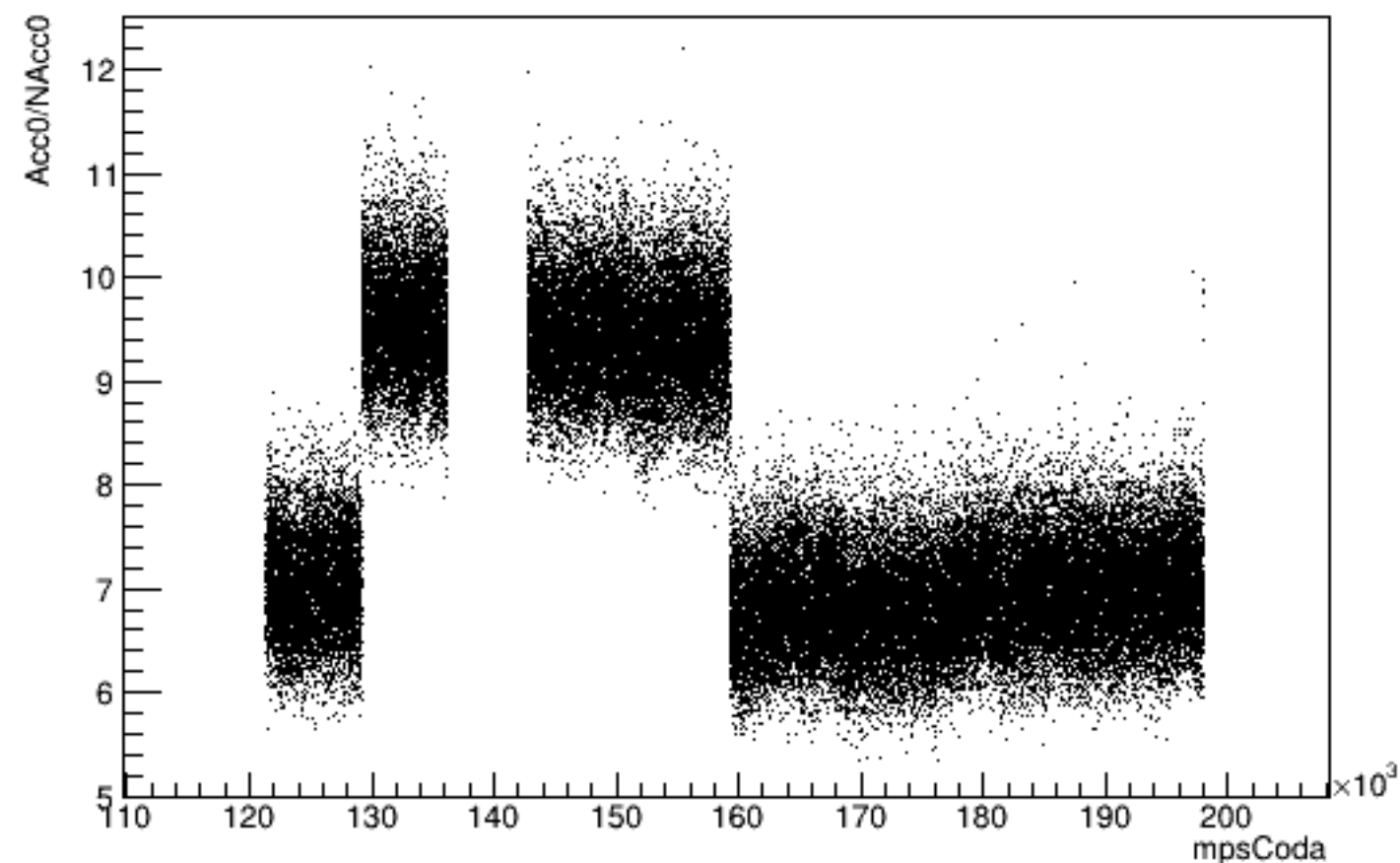
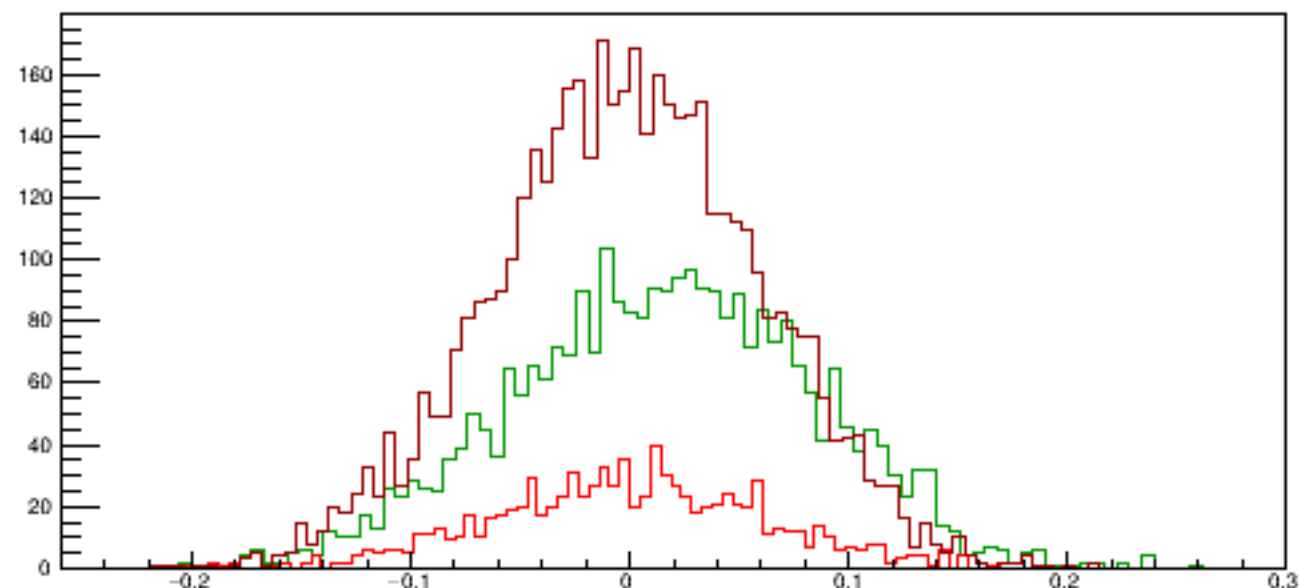


Acc0/NAcc0:mpsCoda (mpsCoda>=121332 && mpsCoda<=198003 && beamState==1)

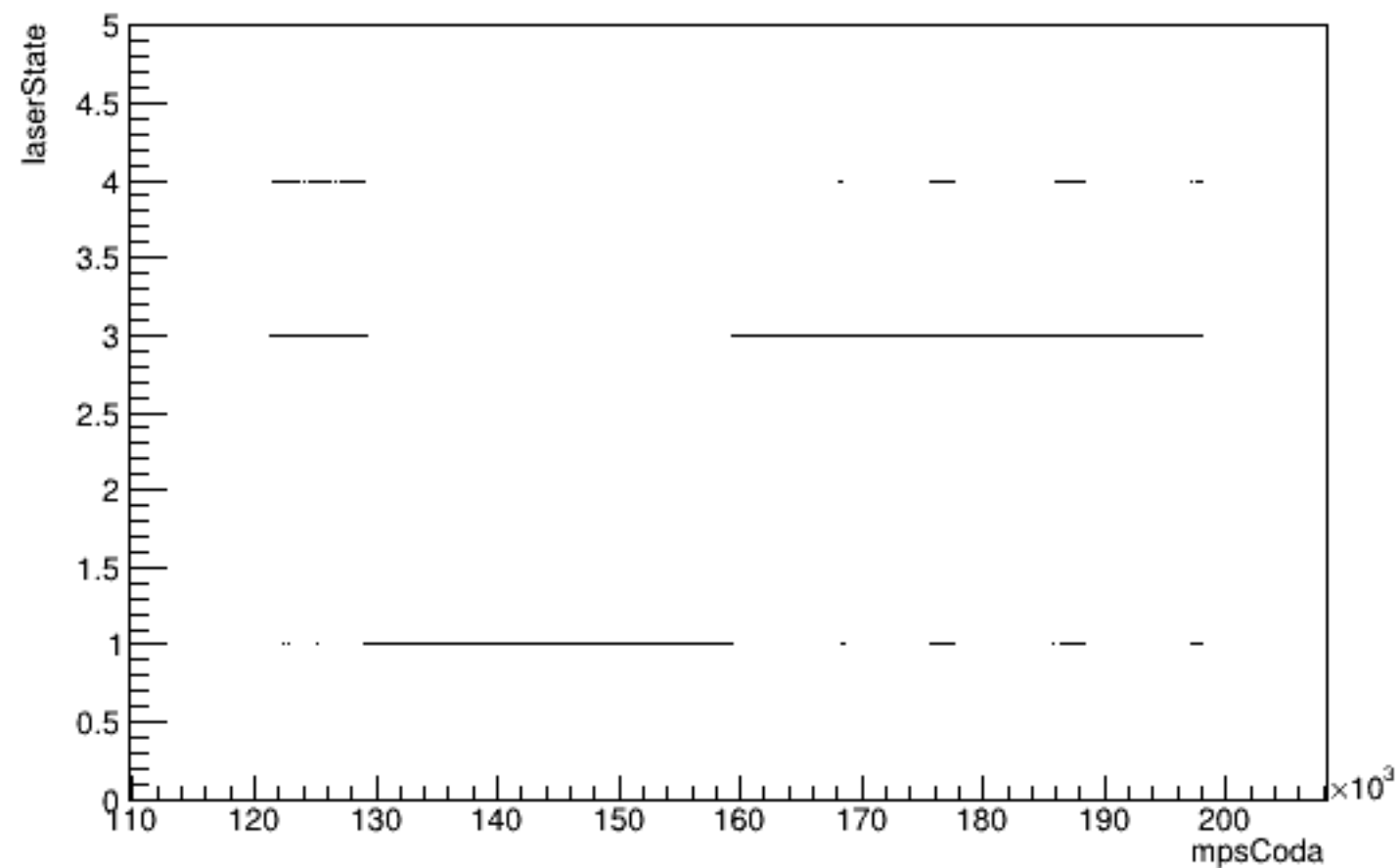
## Cycle 4, Asyms

| Entries: 924               | Entries: 2952              | Entries: 4747              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0003 +/- 0.0021   | Mean: 0.0160 +/- 0.0013    | Mean: -0.0011 +/- 0.0009   |
| Std Dev: 0.0625 +/- 0.0015 | Std Dev: 0.0689 +/- 0.0009 | Std Dev: 0.0607 +/- 0.0006 |

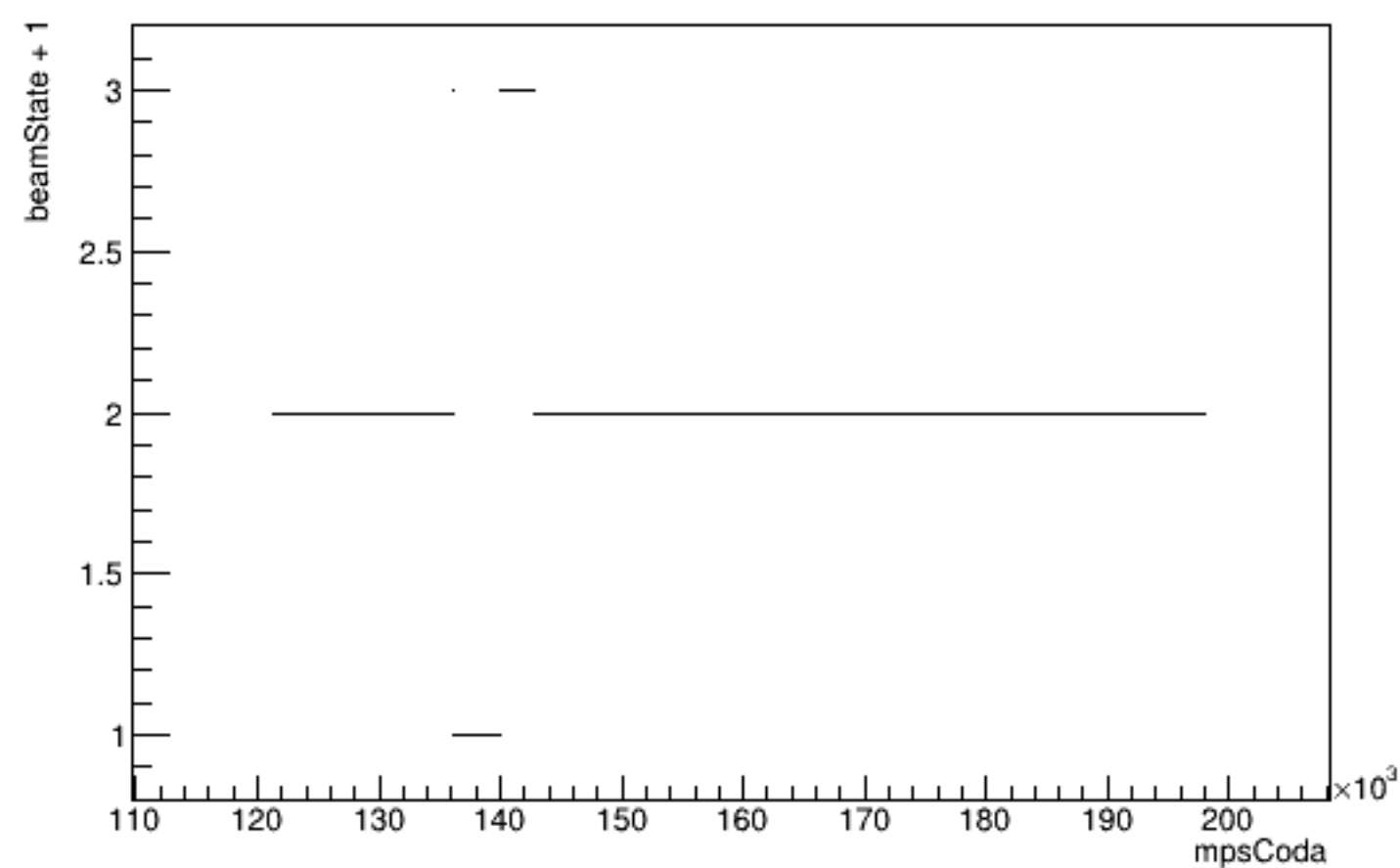
Run 4414 quartetwise, Asyms



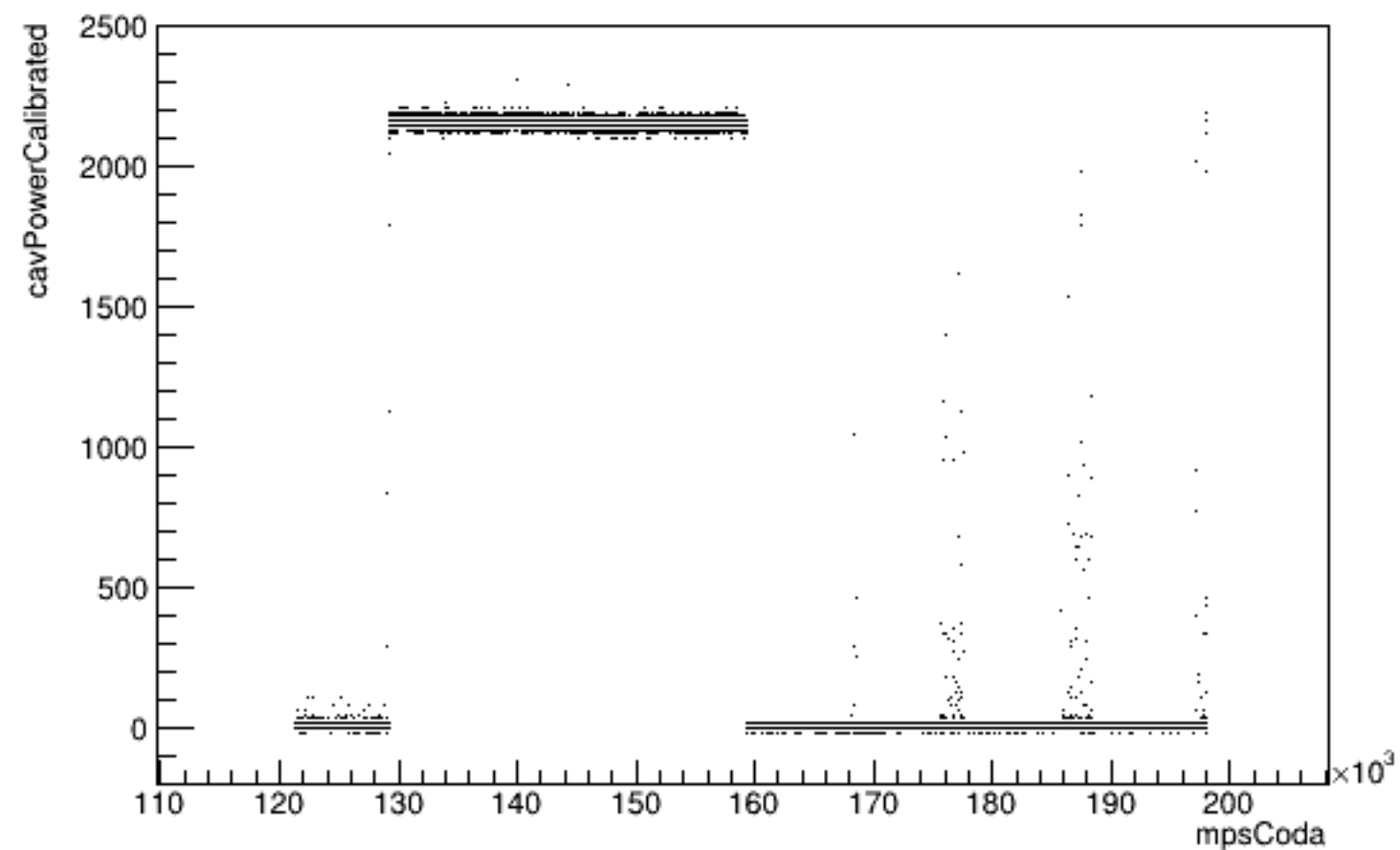
laserState:mpsCoda {mpsCoda&gt;=121332 &amp;&amp; mpsCoda&lt;=198003}



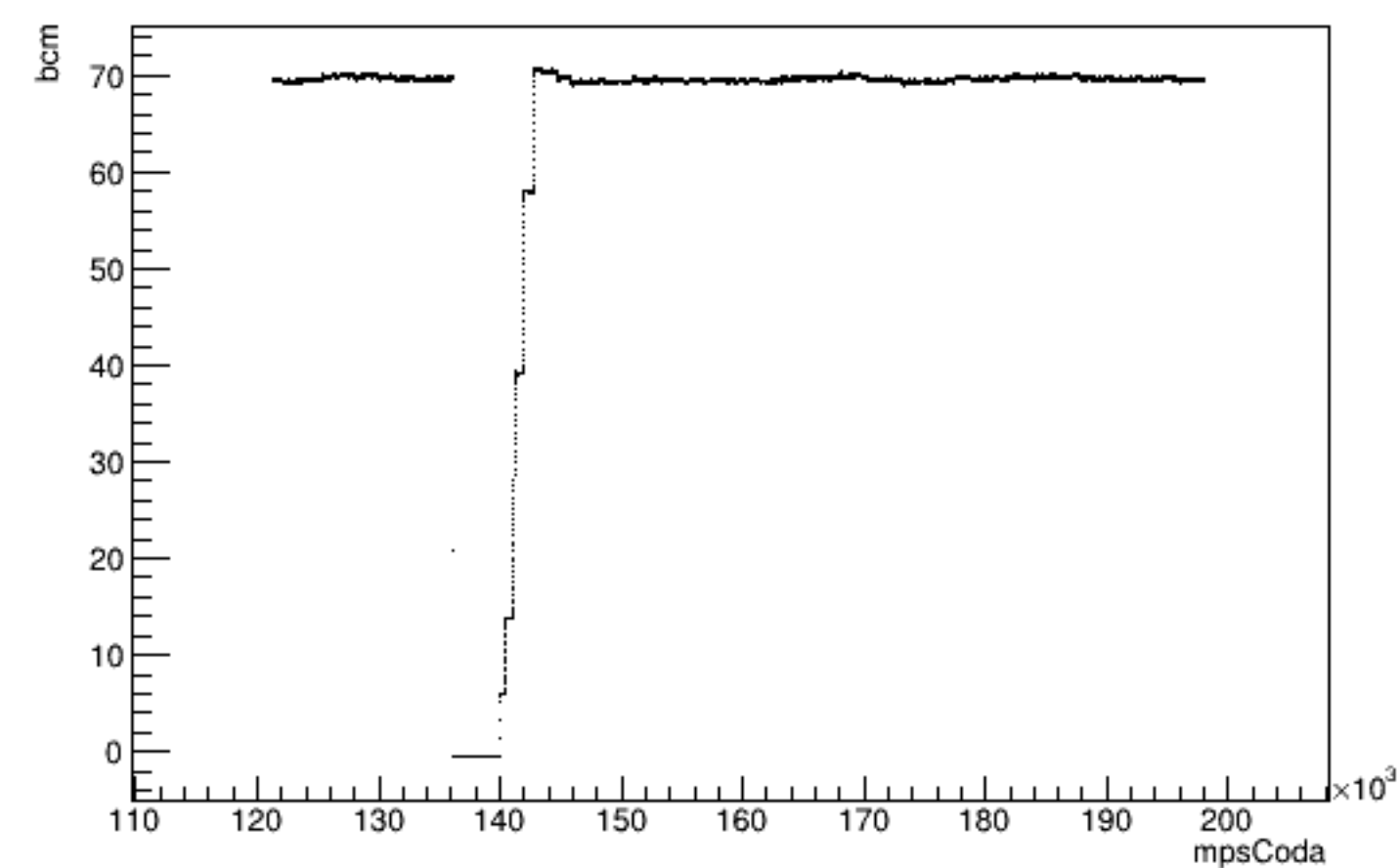
beamState + 1:mpsCoda {mpsCoda&gt;=121332 &amp;&amp; mpsCoda&lt;=198003}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=121332 &amp;&amp; mpsCoda&lt;=198003}



bcm:mpsCoda {mpsCoda&gt;=121332 &amp;&amp; mpsCoda&lt;=198003}



## Cycle 5, Diffs

Entries: 4747

Mean: -0.0054 +/- 0.0044

Std Dev: 0.3036 +/- 0.0031

Entries: 3723

Mean: 0.0831 +/- 0.0056

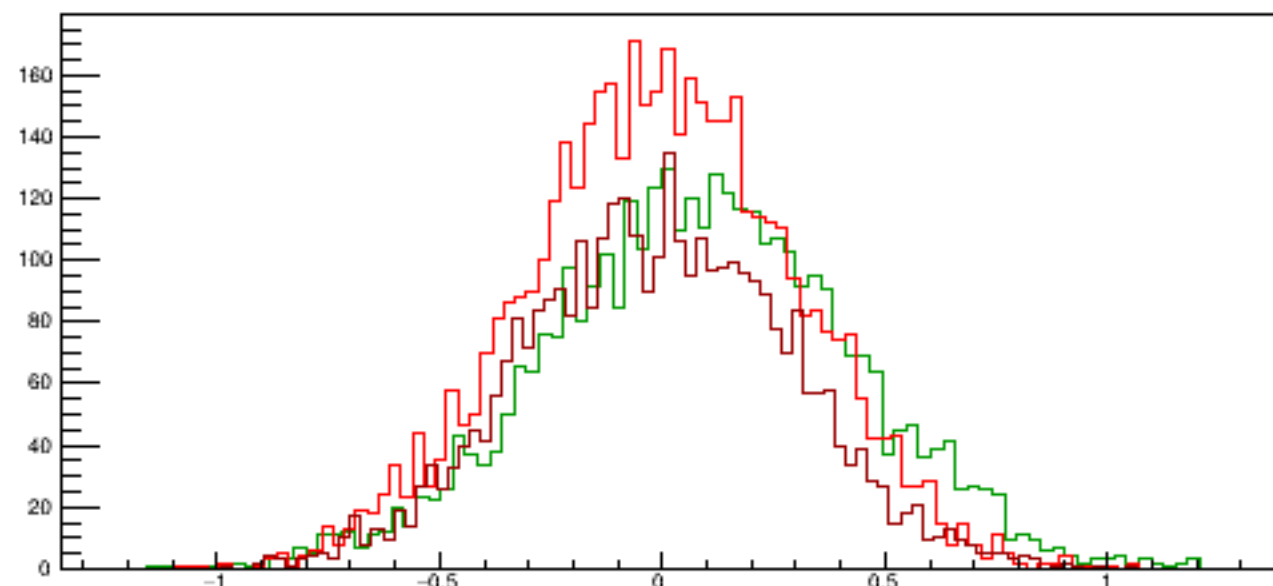
Std Dev: 0.3422 +/- 0.0040

Entries: 3538

Mean: -0.0120 +/- 0.0050

Std Dev: 0.2990 +/- 0.0036

Run 4414 quartetwise, Diffs



## Cycle 5, Sums

Entries: 4747

Mean: 13.8065 +/- 0.0056

Std Dev: 0.3856 +/- 0.0040

Entries: 3723

Mean: 19.1457 +/- 0.0065

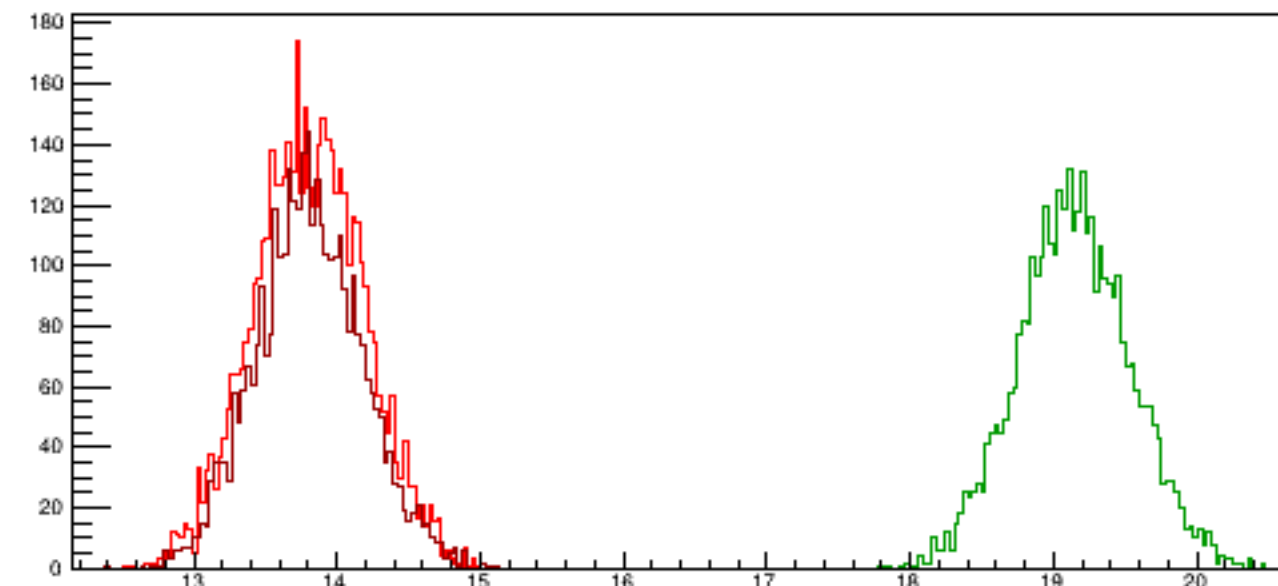
Std Dev: 0.3944 +/- 0.0046

Entries: 3538

Mean: 13.8084 +/- 0.0063

Std Dev: 0.3718 +/- 0.0044

Run 4414 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=159276 && mpsCoda<=257659 && beamState==1)

## Cycle 5, Asyms

Entries: 4747

Mean: -0.0010 +/- 0.0008

Std Dev: 0.0569 +/- 0.0006

Entries: 3723

Mean: 0.0156 +/- 0.0011

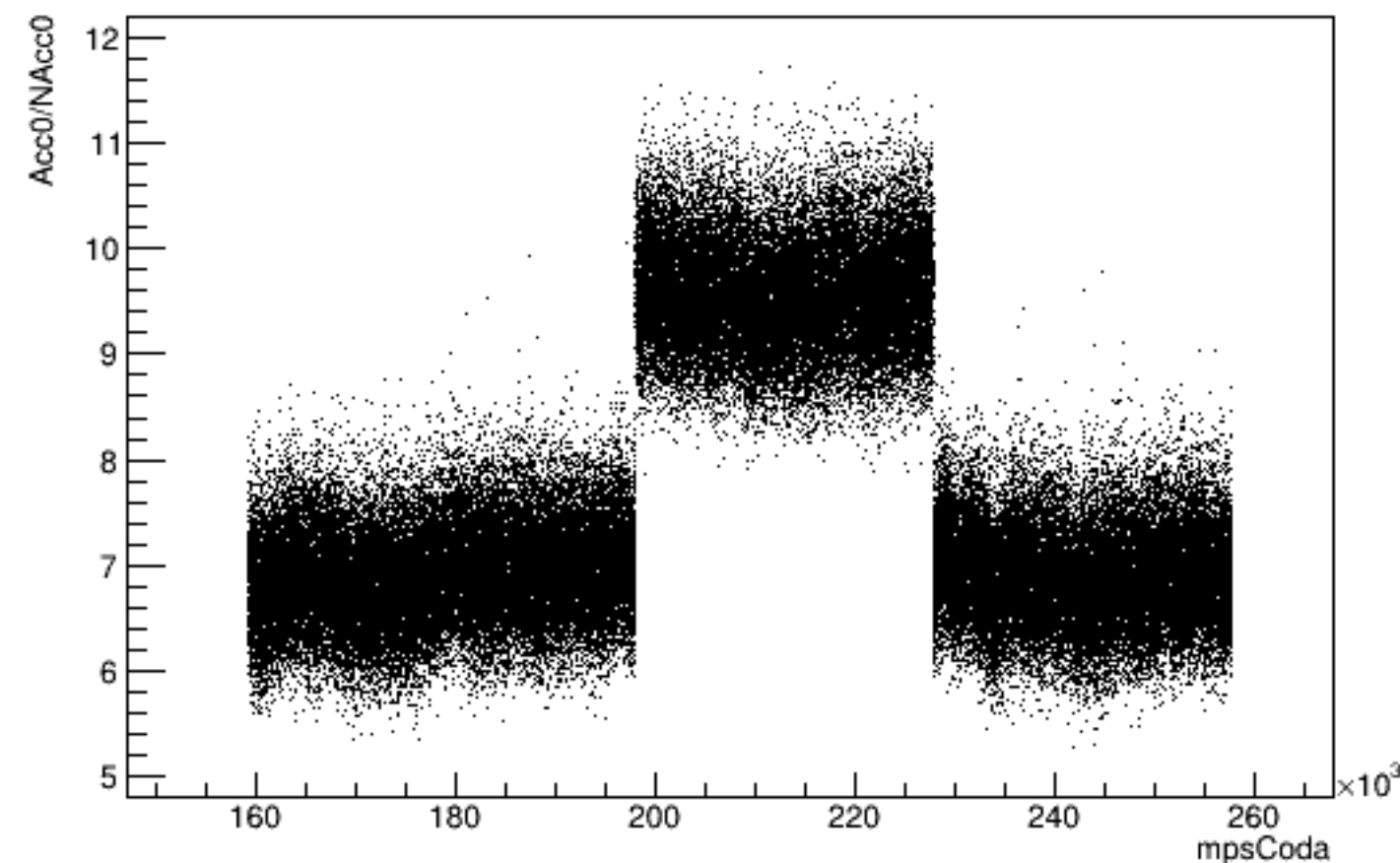
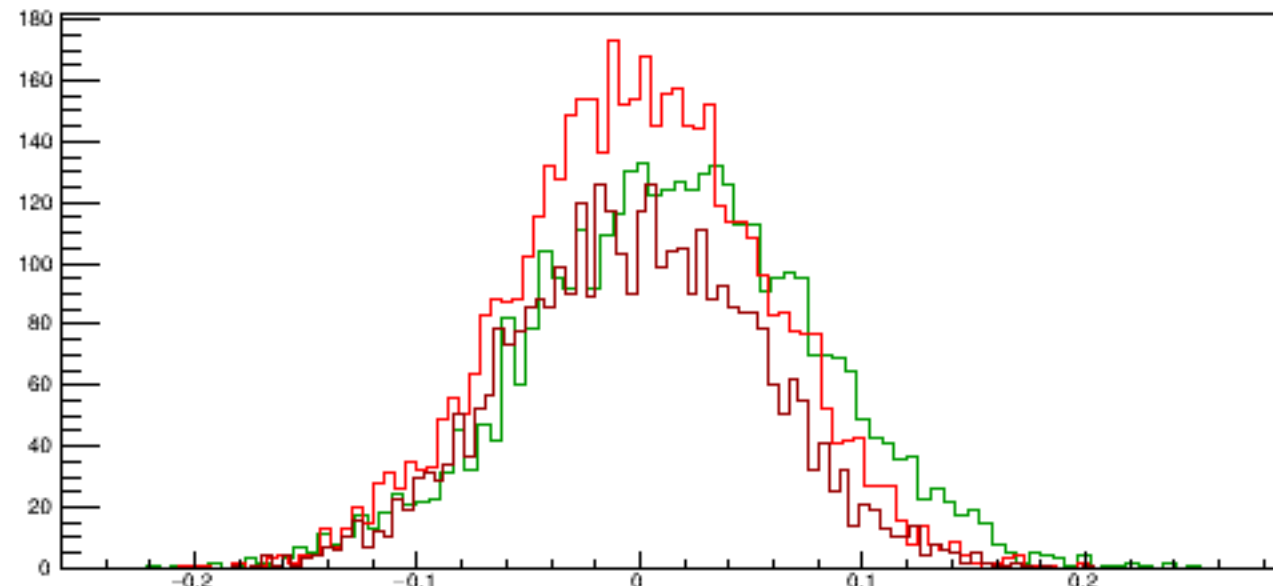
Std Dev: 0.0643 +/- 0.0007

Entries: 3538

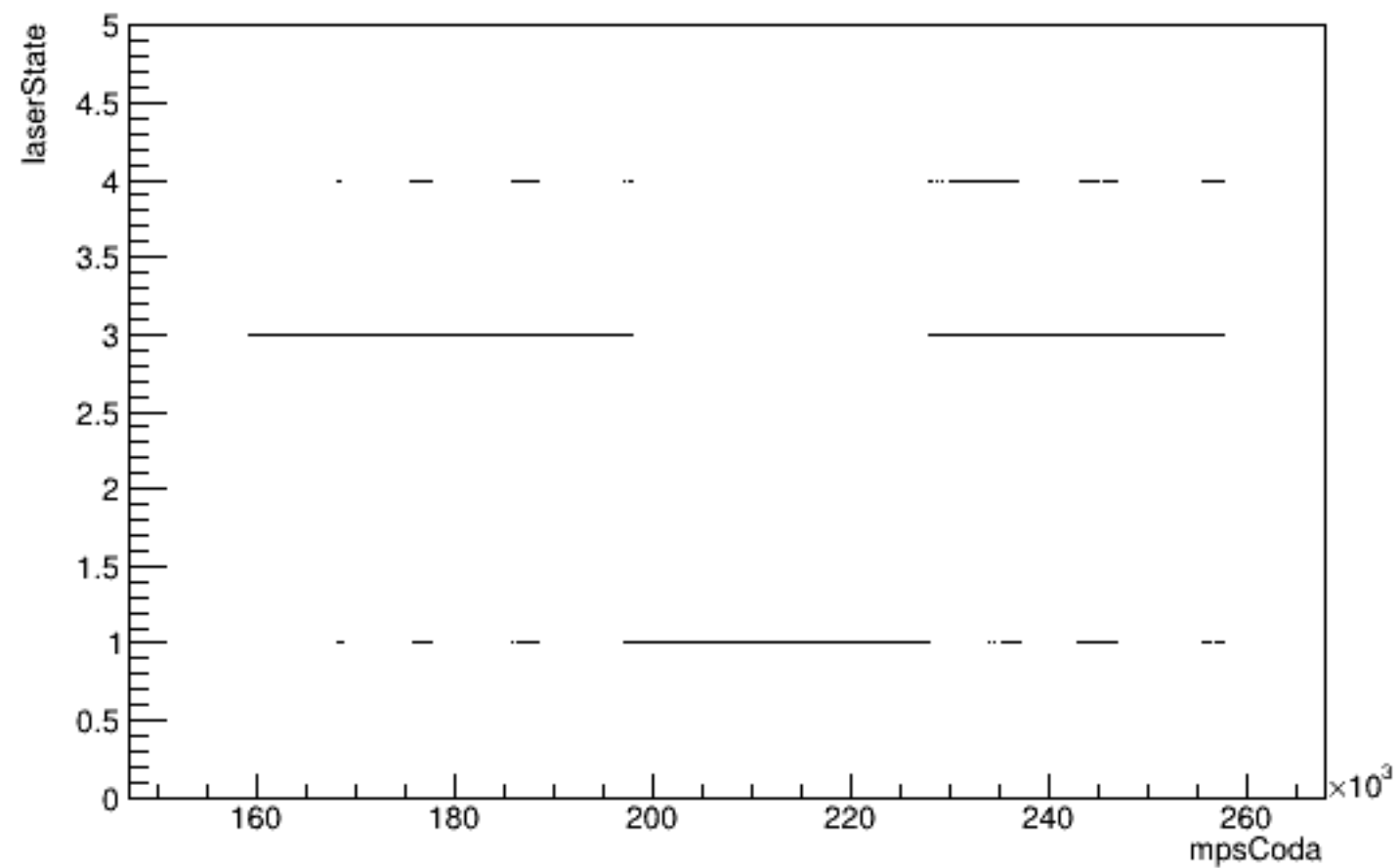
Mean: -0.0022 +/- 0.0009

Std Dev: 0.0560 +/- 0.0007

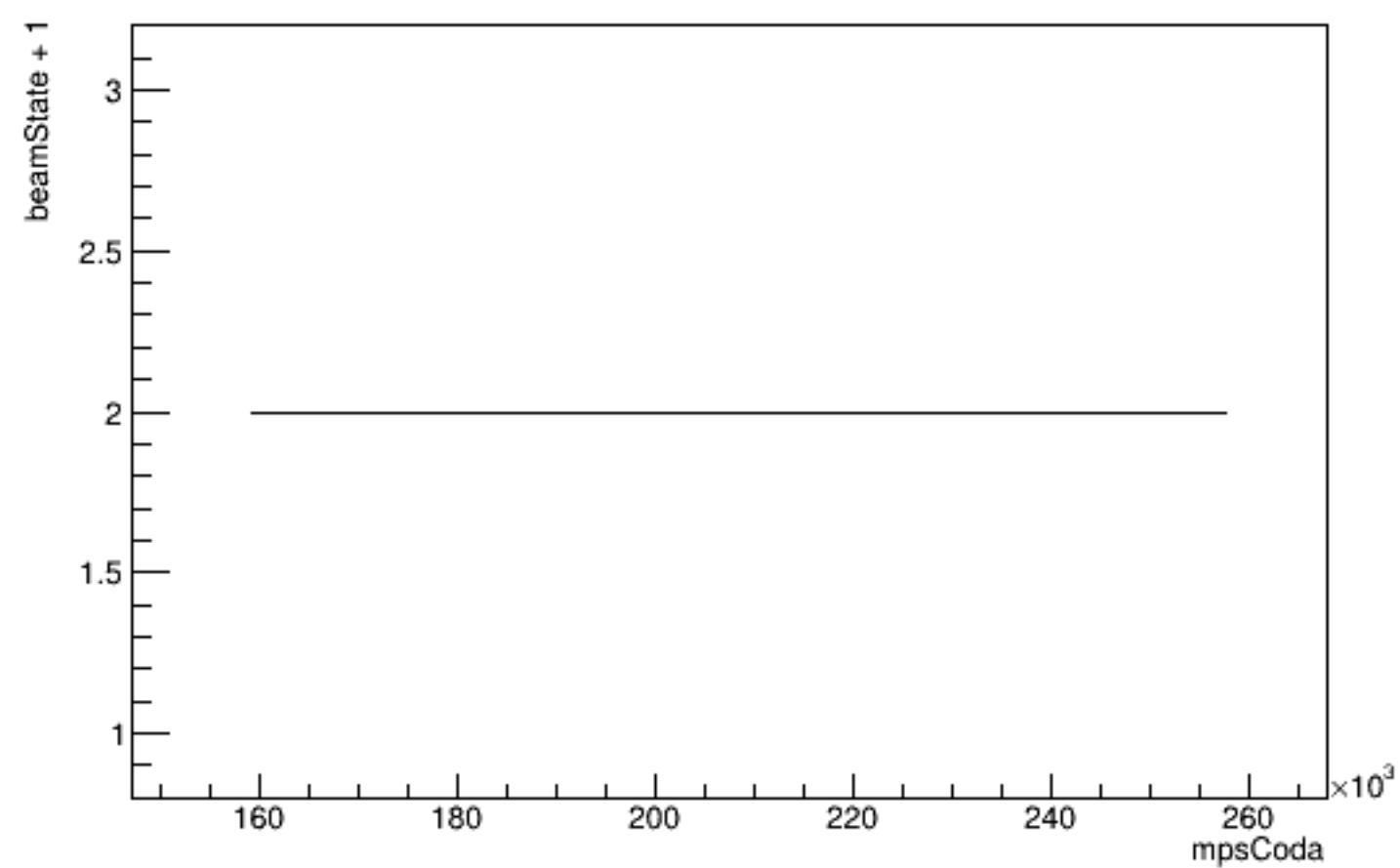
Run 4414 quartetwise, Asyms



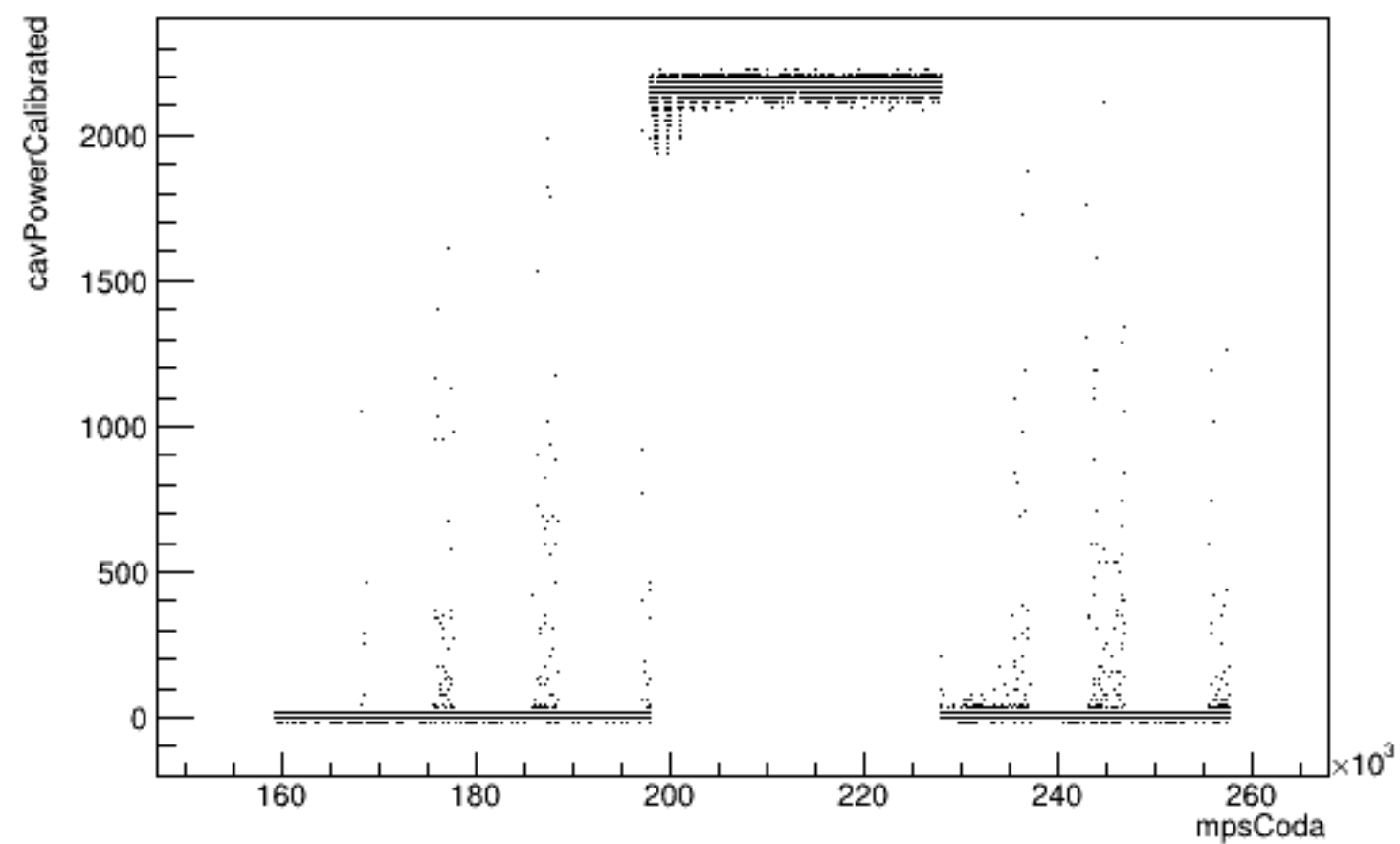
laserState:mpsCoda {mpsCoda&gt;=159276 &amp;&amp; mpsCoda&lt;=257659}



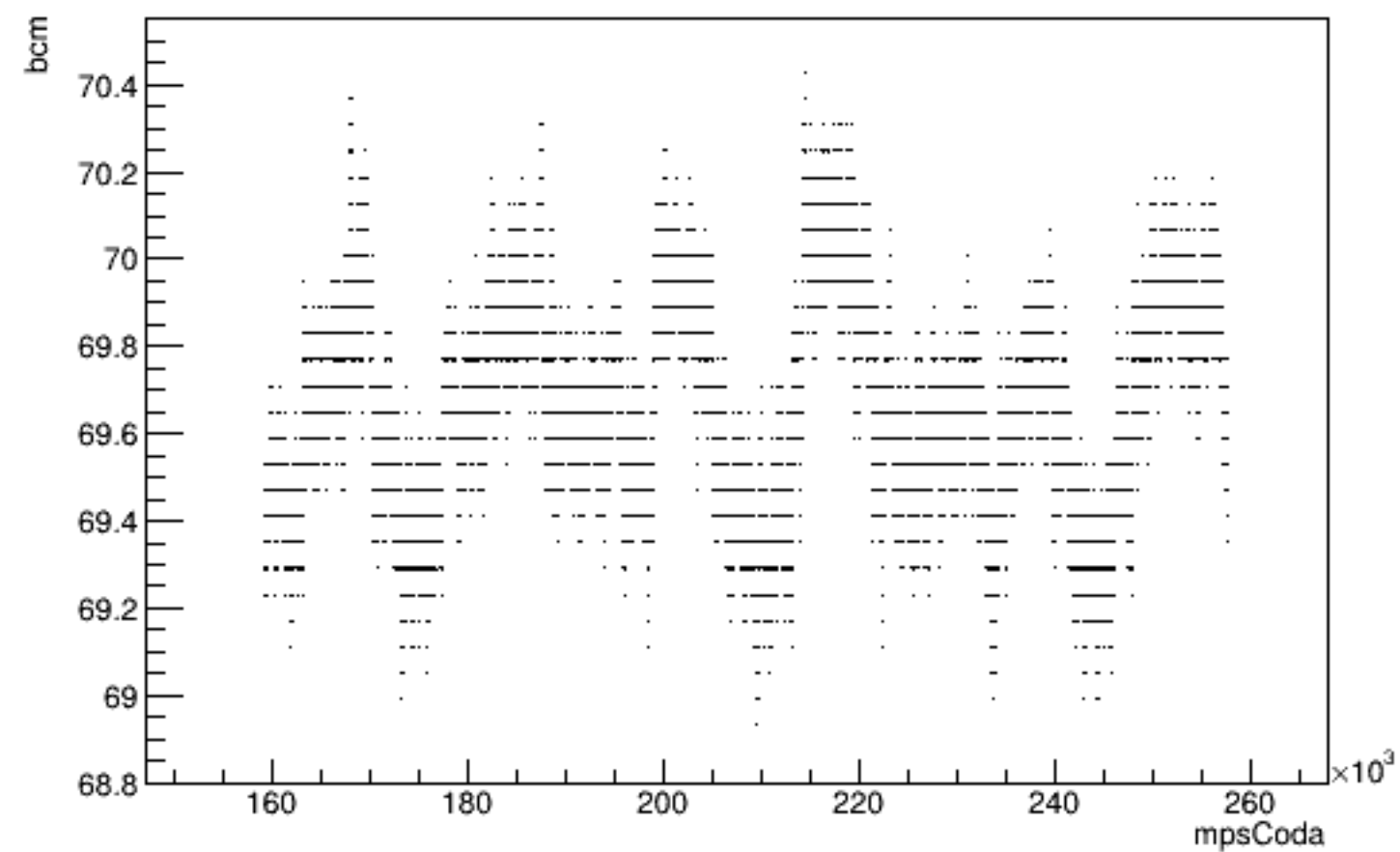
beamState + 1:mpsCoda {mpsCoda&gt;=159276 &amp;&amp; mpsCoda&lt;=257659}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=159276 &amp;&amp; mpsCoda&lt;=257659}



bcm:mpsCoda {mpsCoda&gt;=159276 &amp;&amp; mpsCoda&lt;=257659}



## Cycle 6, Diffs

Entries: 3538

Mean: -0.0120 +/- 0.0050

Std Dev: 0.2990 +/- 0.0036

Entries: 2829

Mean: 0.0780 +/- 0.0064

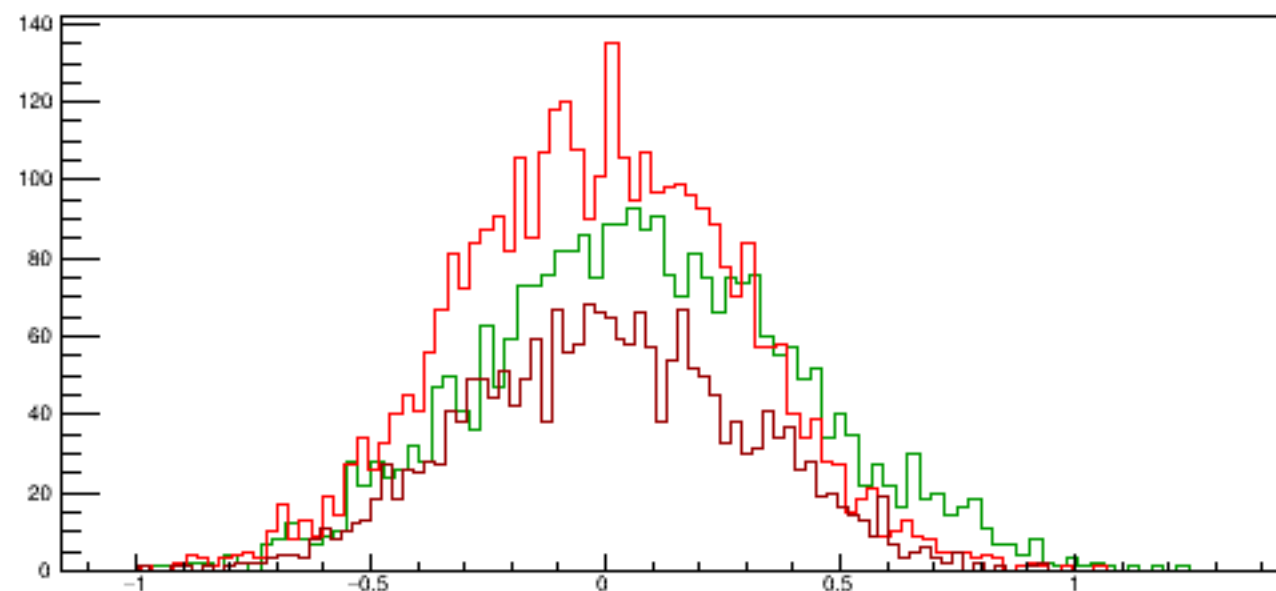
Std Dev: 0.3399 +/- 0.0045

Entries: 2087

Mean: 0.0057 +/- 0.0065

Std Dev: 0.2979 +/- 0.0046

Run 4414 quartetwise, Diffs



## Cycle 6, Sums

Entries: 3538

Mean: 13.8084 +/- 0.0063

Std Dev: 0.3718 +/- 0.0044

Entries: 2829

Mean: 18.9798 +/- 0.0073

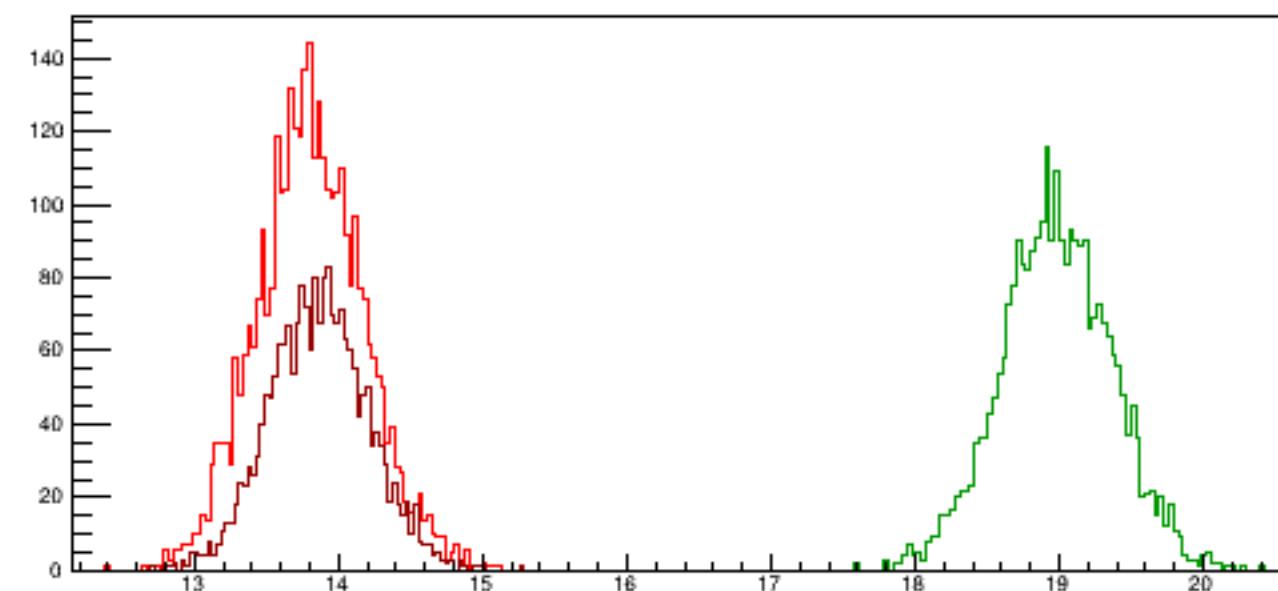
Std Dev: 0.3870 +/- 0.0051

Entries: 2087

Mean: 13.8623 +/- 0.0075

Std Dev: 0.3432 +/- 0.0053

Run 4414 quartetwise, Sums



## Cycle 6, Asyms

Entries: 3538

Mean: -0.0023 +/- 0.0010

Std Dev: 0.0581 +/- 0.0007

Entries: 2829

Mean: 0.0152 +/- 0.0012

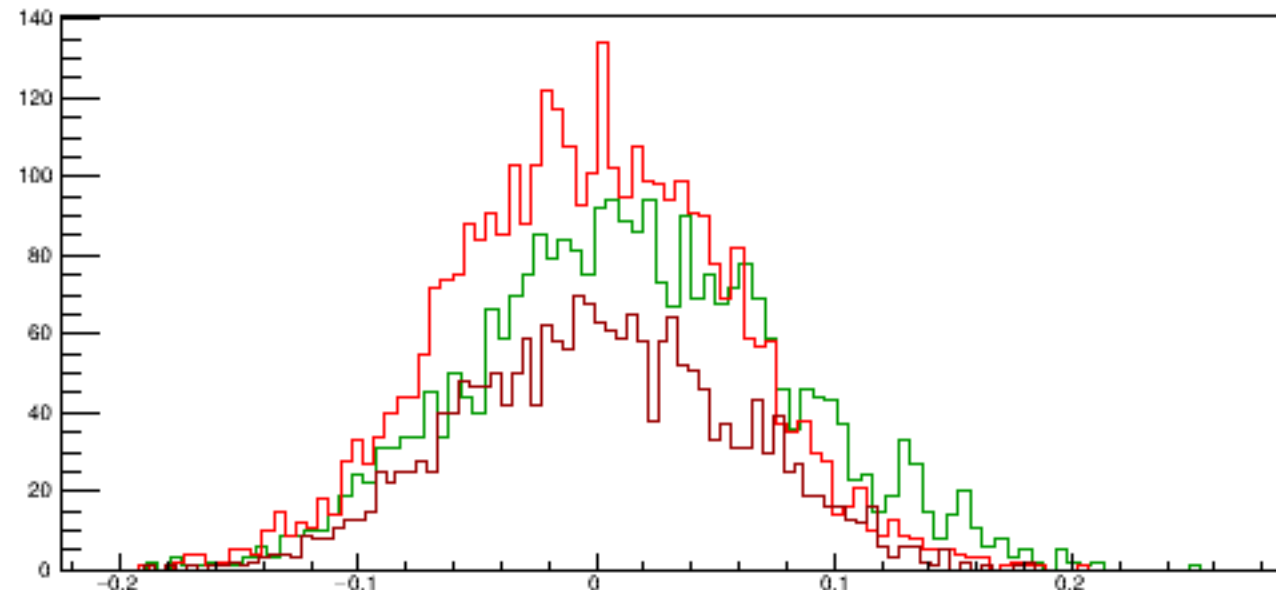
Std Dev: 0.0662 +/- 0.0009

Entries: 2087

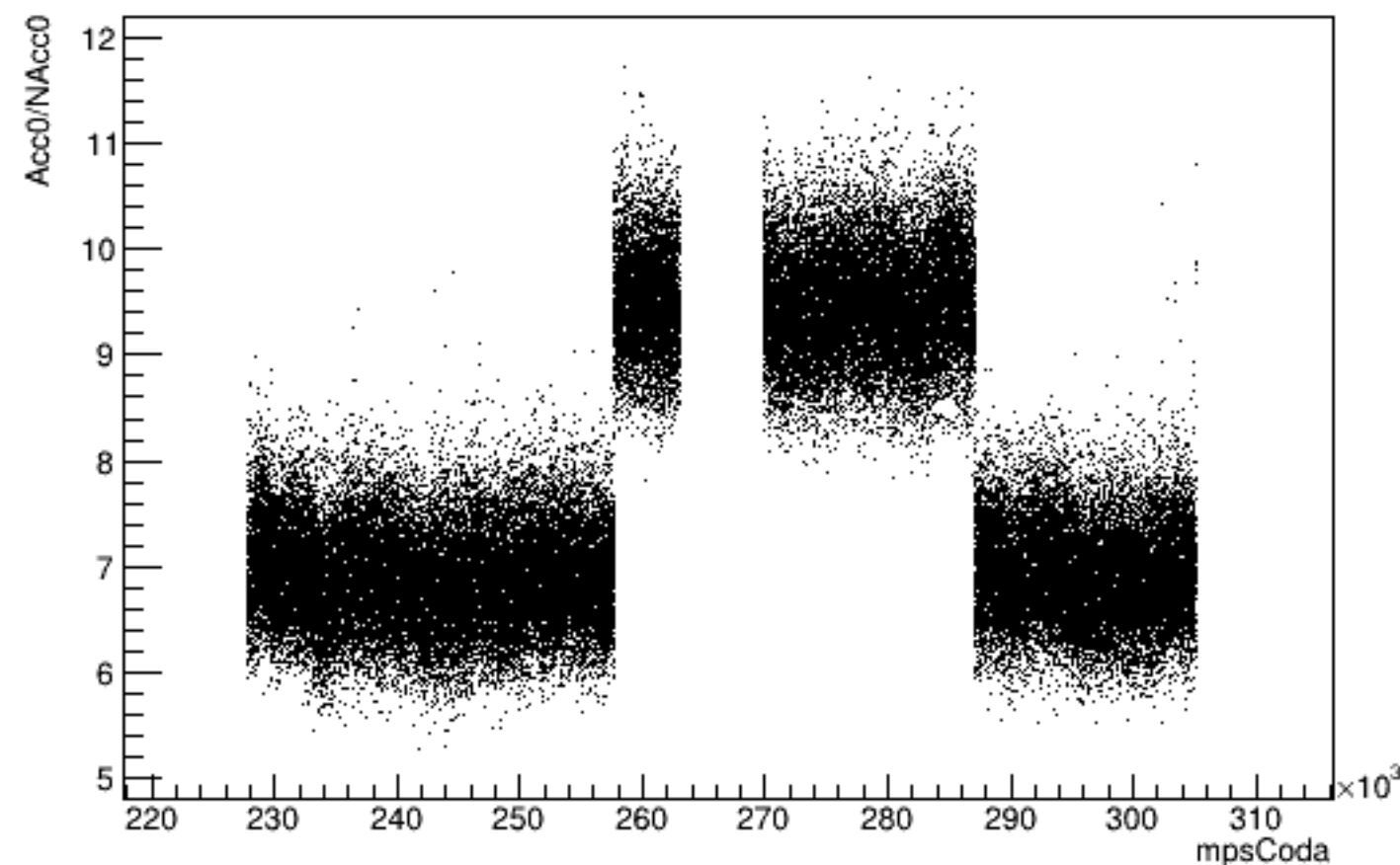
Mean: 0.0011 +/- 0.0013

Std Dev: 0.0579 +/- 0.0009

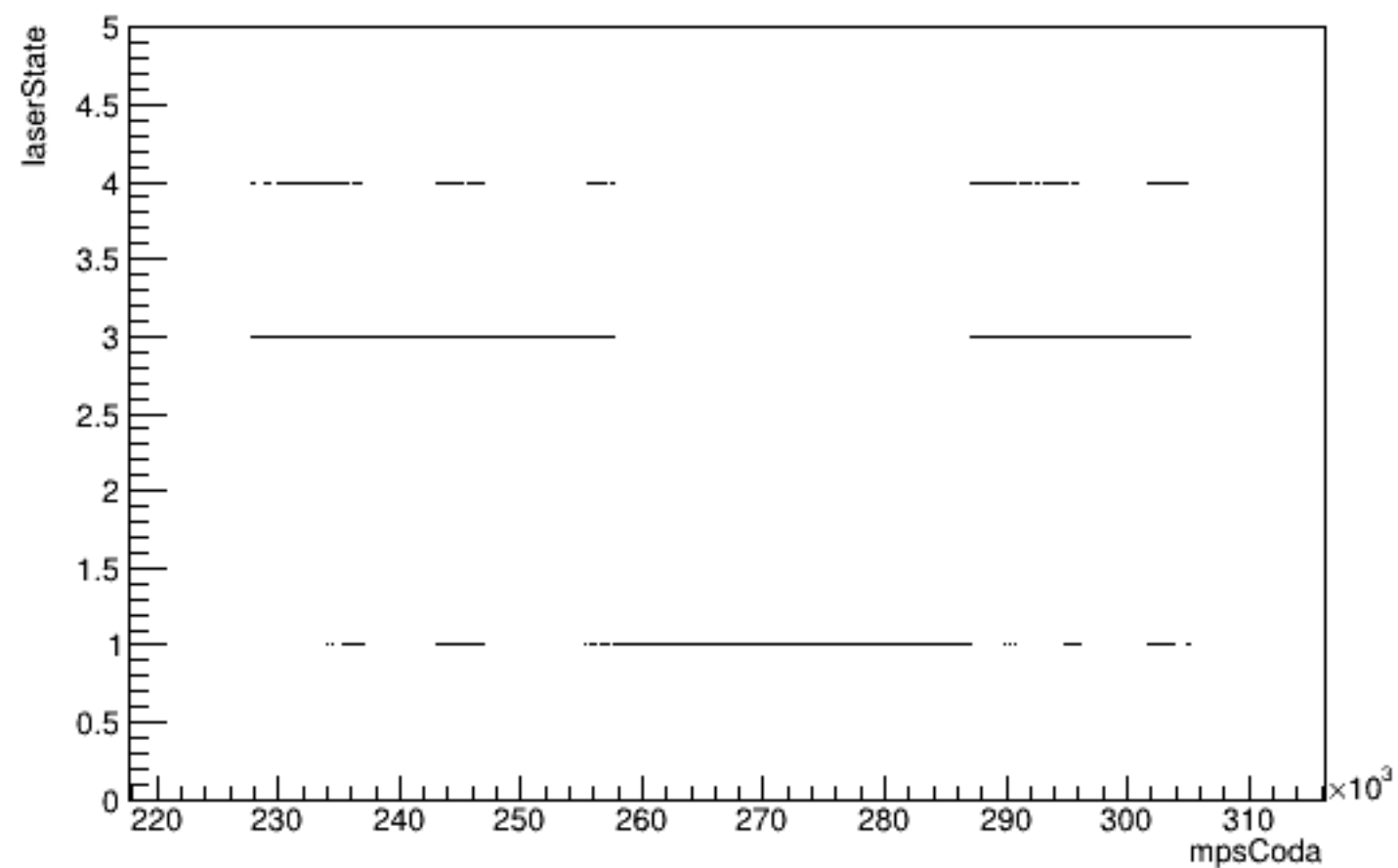
Run 4414 quartetwise, Asyms



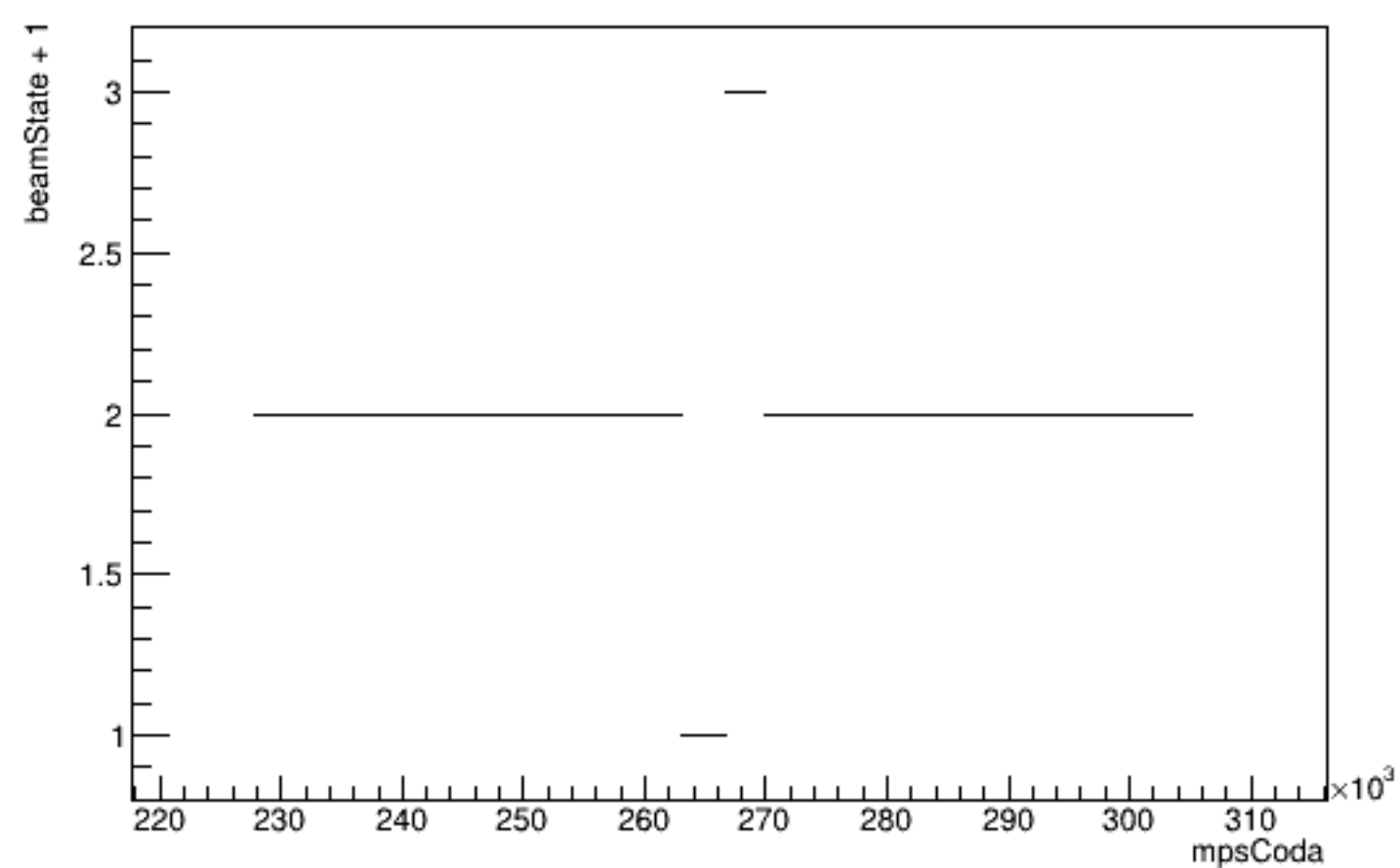
Acc0/NAcc0:mpsCoda (mpsCoda>=227788 && mpsCoda<=305099 && beamState==1)



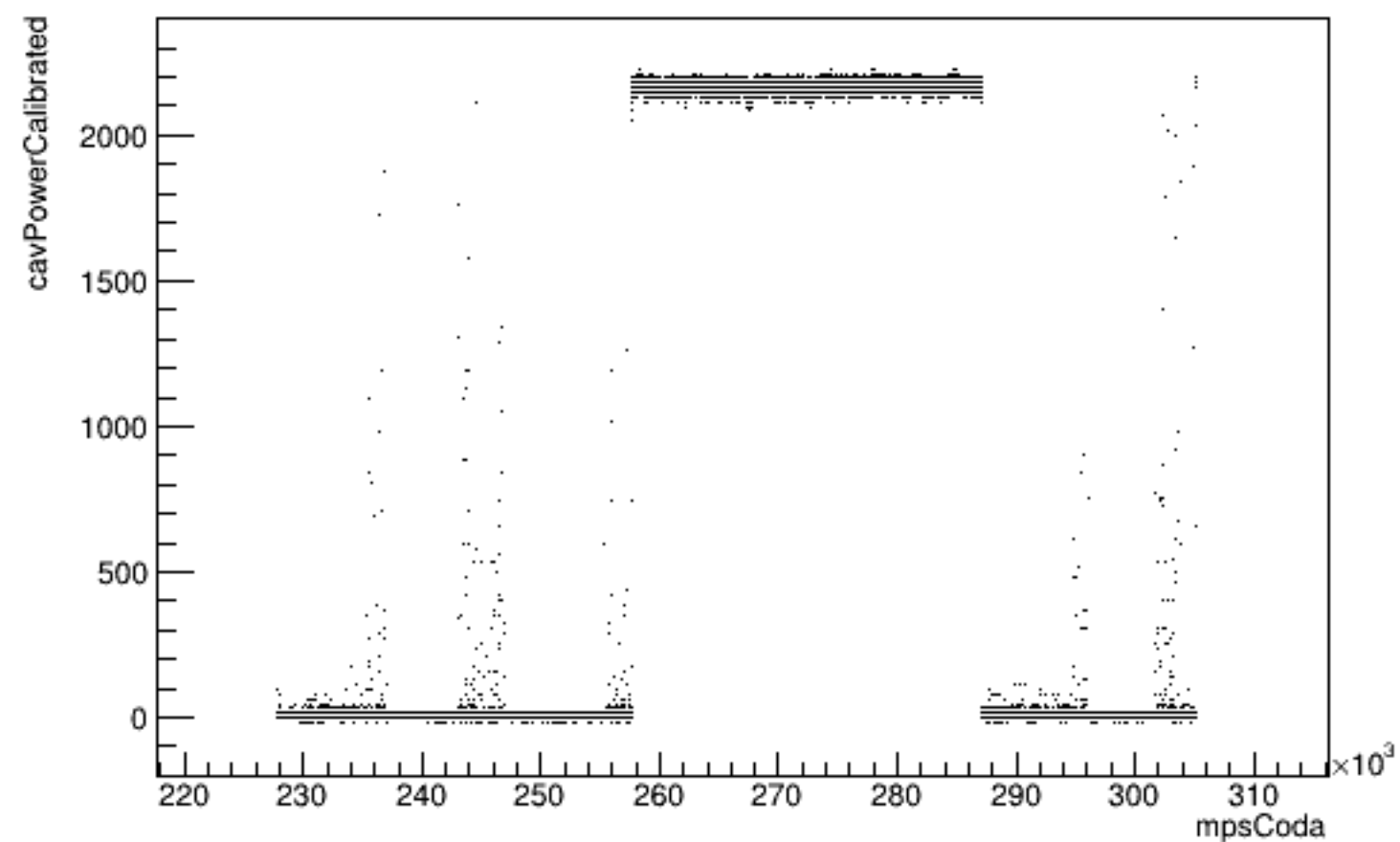
laserState:mpsCoda {mpsCoda&gt;=227788 &amp;&amp; mpsCoda&lt;=305099}



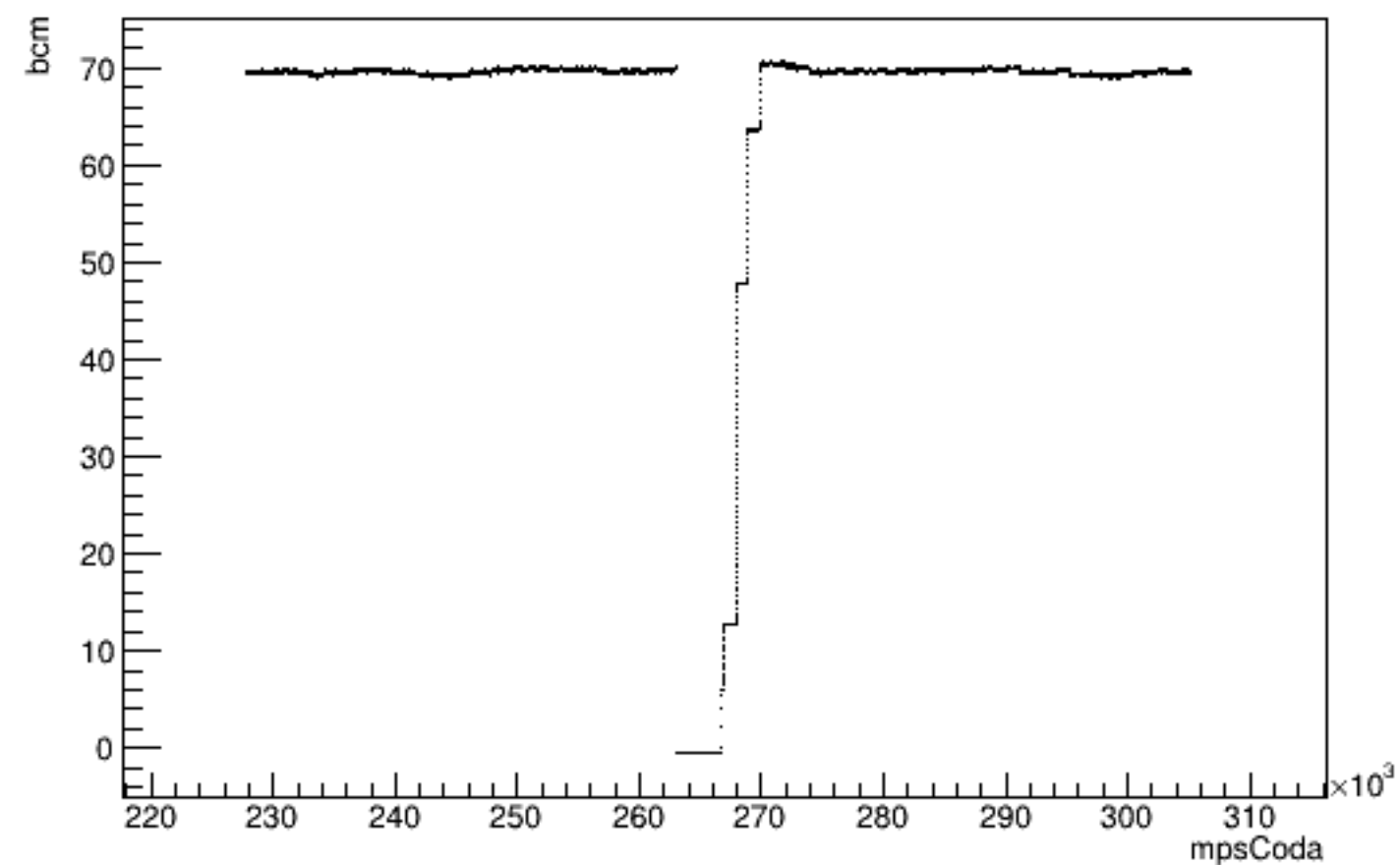
beamState + 1:mpsCoda {mpsCoda&gt;=227788 &amp;&amp; mpsCoda&lt;=305099}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=227788 &amp;&amp; mpsCoda&lt;=305099}



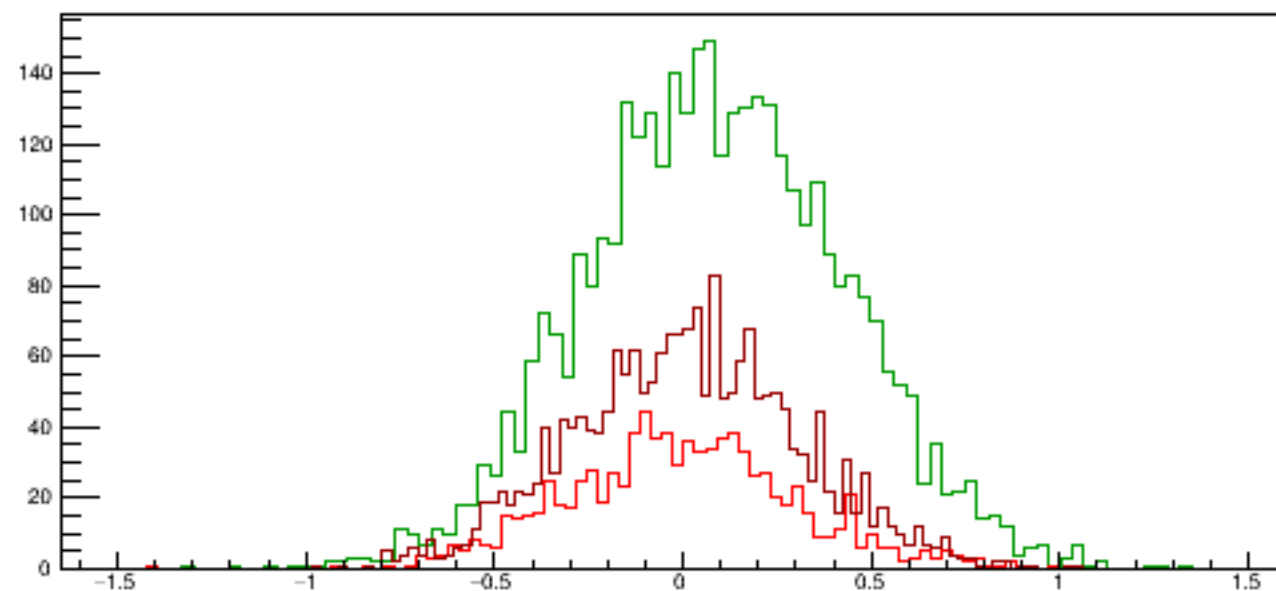
bcm:mpsCoda {mpsCoda&gt;=227788 &amp;&amp; mpsCoda&lt;=305099}



## Cycle 7, Diffs

| Entries: 928               | Entries: 3732              | Entries: 2045              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0053 +/- 0.0101   | Mean: 0.0871 +/- 0.0056    | Mean: 0.0084 +/- 0.0067    |
| Std Dev: 0.3068 +/- 0.0071 | Std Dev: 0.3393 +/- 0.0039 | Std Dev: 0.3015 +/- 0.0047 |

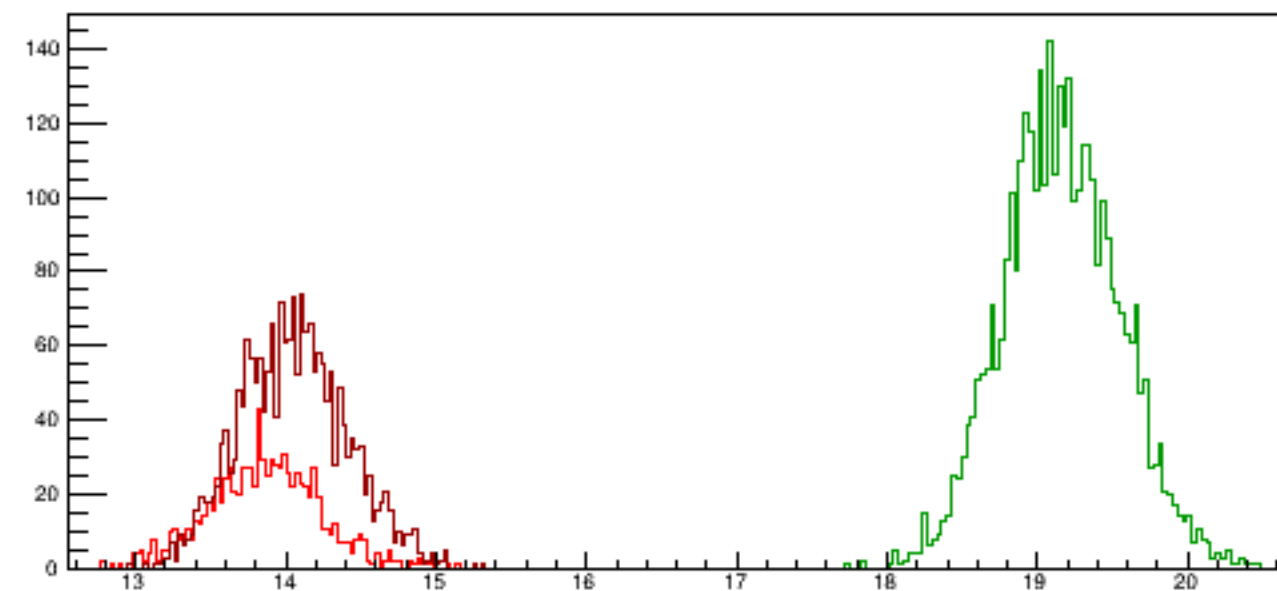
Run 4414 quartetwise, Diffs



## Cycle 7, Sums

| Entries: 928               | Entries: 3732              | Entries: 2045              |
|----------------------------|----------------------------|----------------------------|
| Mean: 13.8505 +/- 0.0122   | Mean: 19.1598 +/- 0.0063   | Mean: 14.0504 +/- 0.0079   |
| Std Dev: 0.3730 +/- 0.0087 | Std Dev: 0.3873 +/- 0.0045 | Std Dev: 0.3558 +/- 0.0056 |

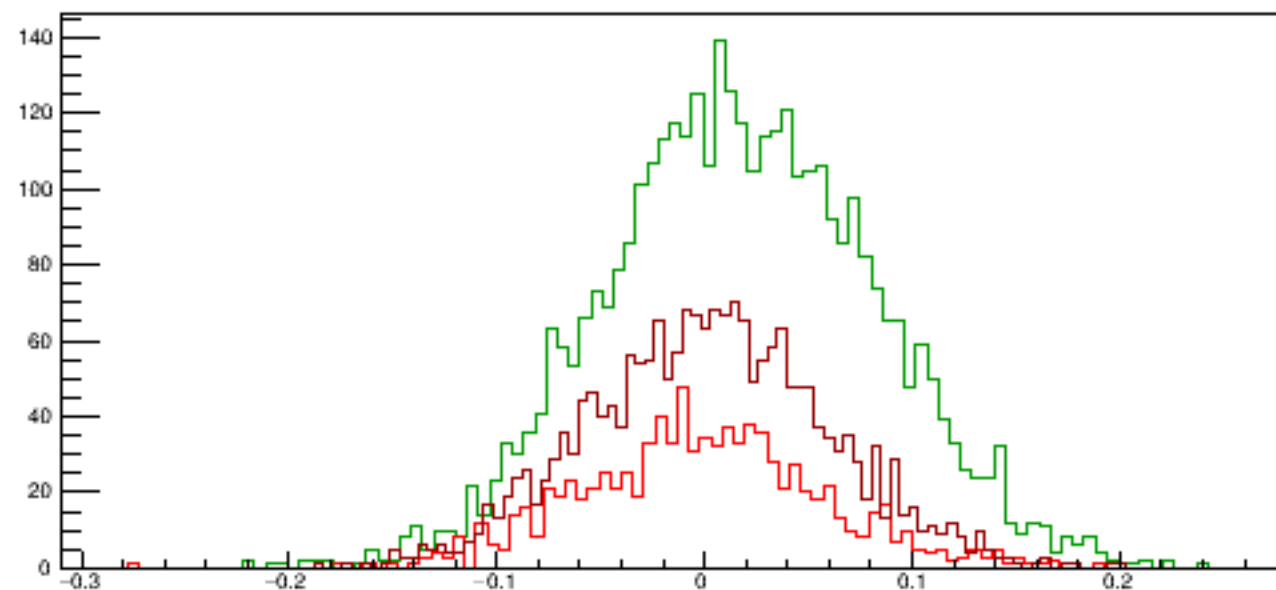
Run 4414 quartetwise, Sums



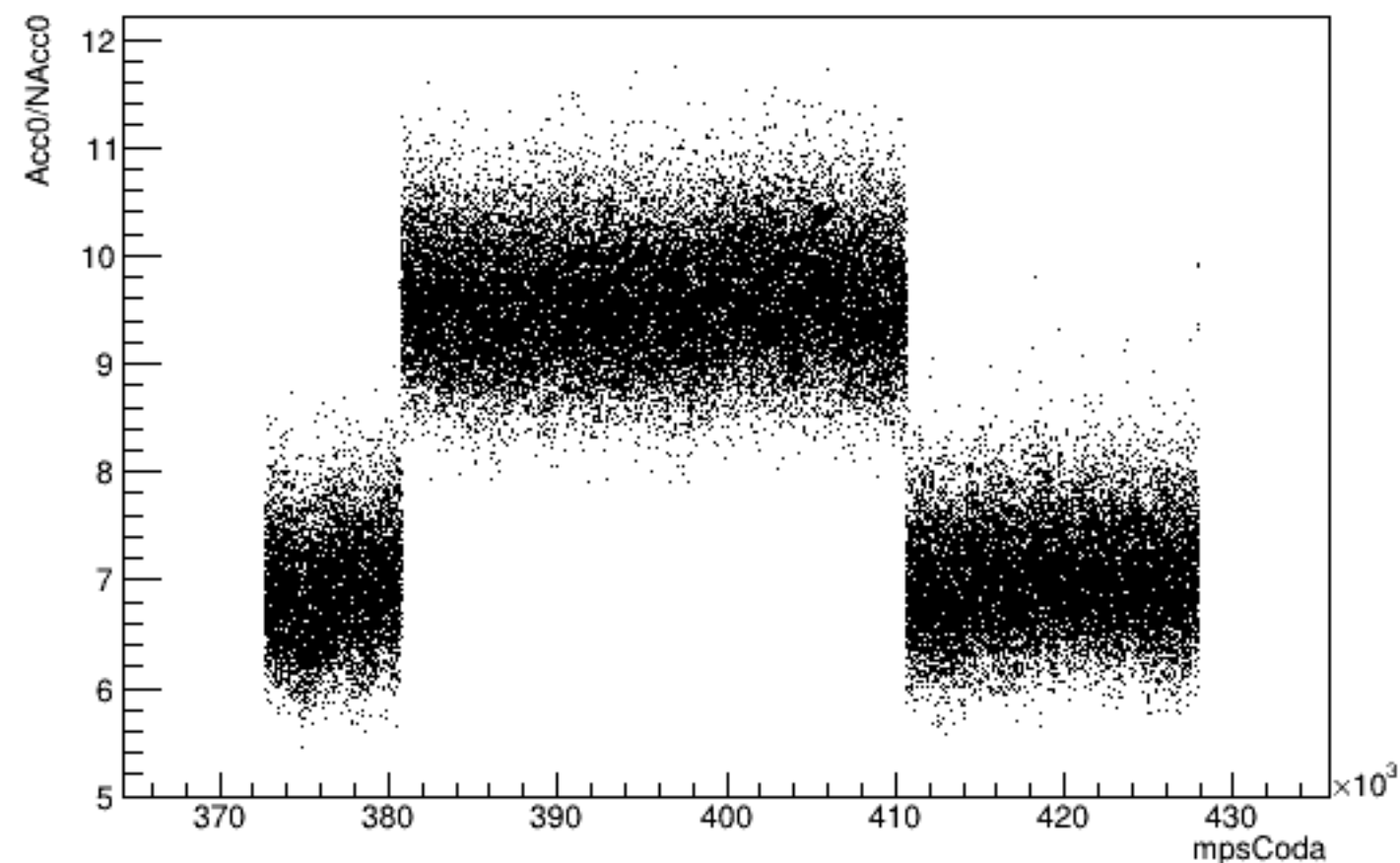
## Cycle 7, Asyms

| Entries: 928               | Entries: 3732              | Entries: 2045              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0010 +/- 0.0019   | Mean: 0.0168 +/- 0.0011    | Mean: 0.0016 +/- 0.0013    |
| Std Dev: 0.0589 +/- 0.0014 | Std Dev: 0.0652 +/- 0.0008 | Std Dev: 0.0579 +/- 0.0009 |

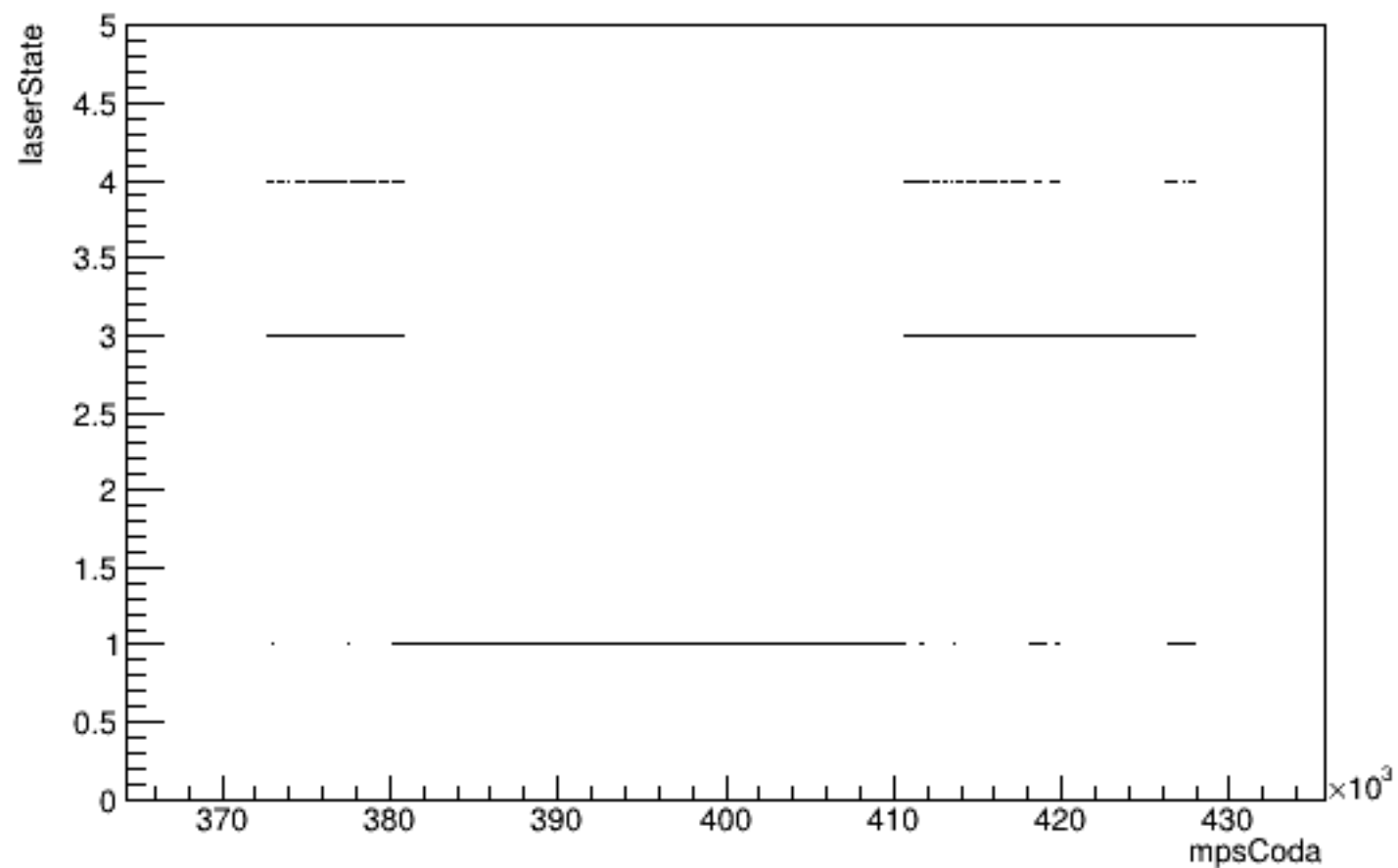
Run 4414 quartetwise, Asyms



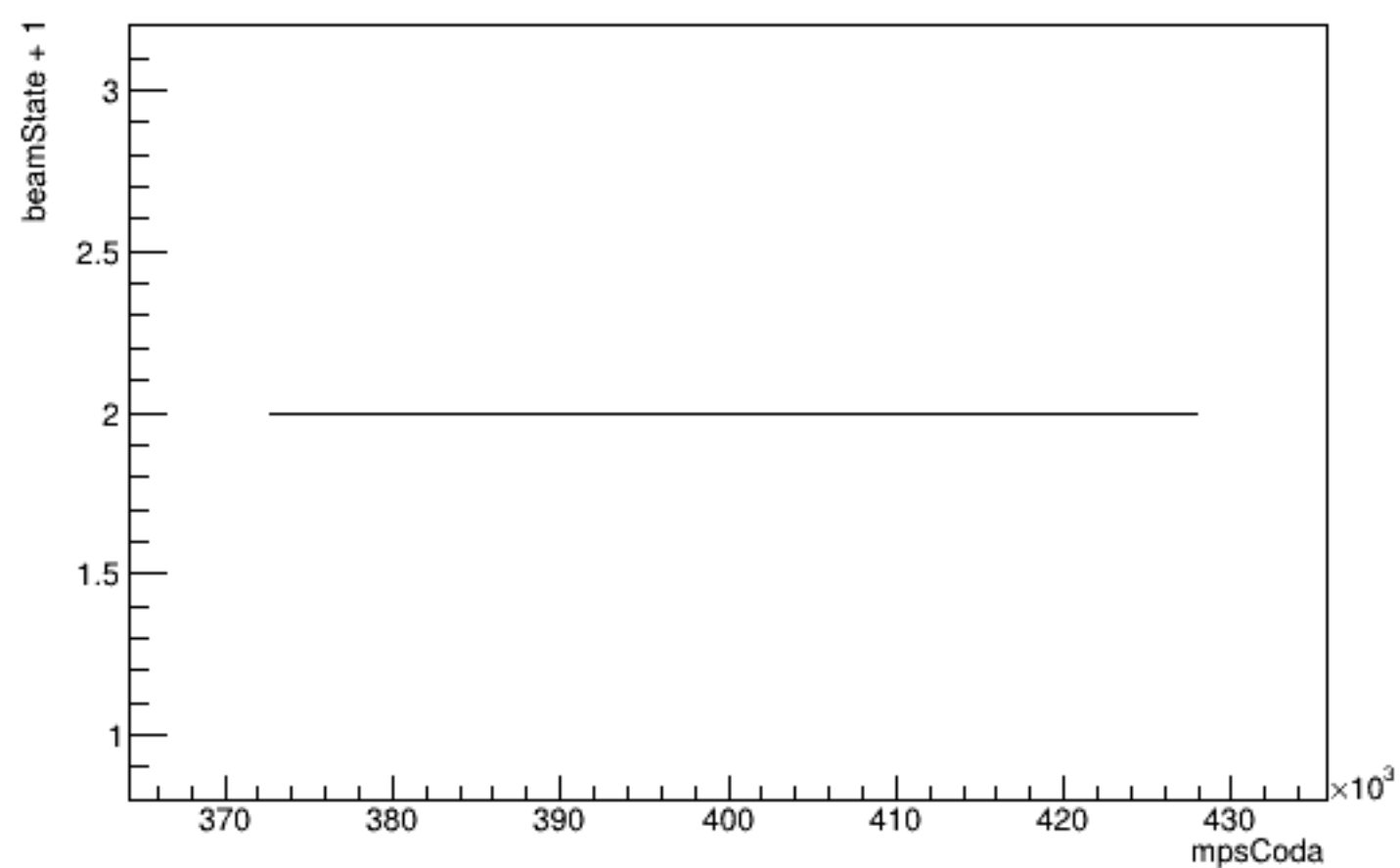
Acc0/NAcc0:mpsCoda (mpsCoda>=372692 && mpsCoda<=427939 && beamState==1)



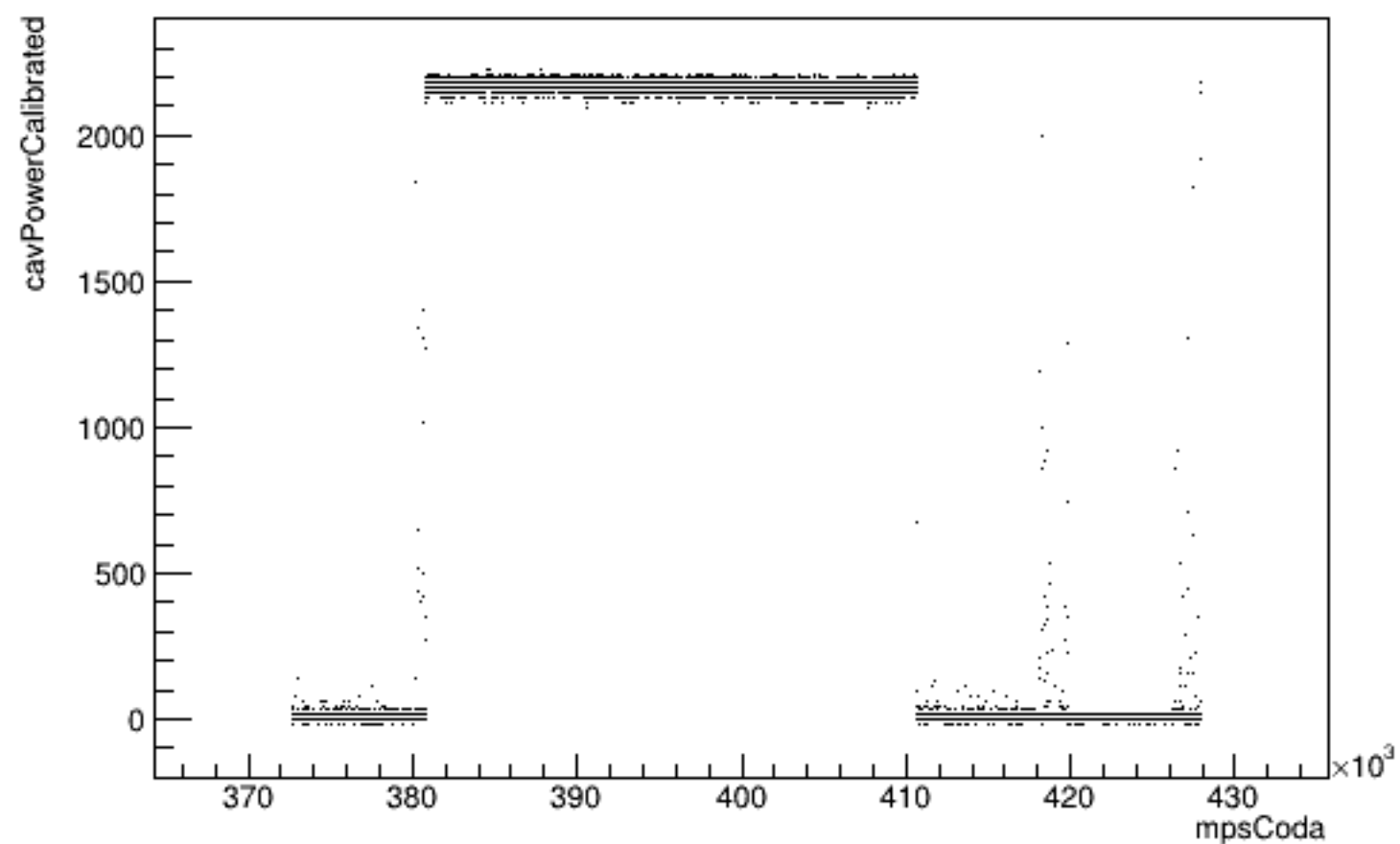
laserState:mpsCoda {mpsCoda&gt;=372692 &amp;&amp; mpsCoda&lt;=427939}



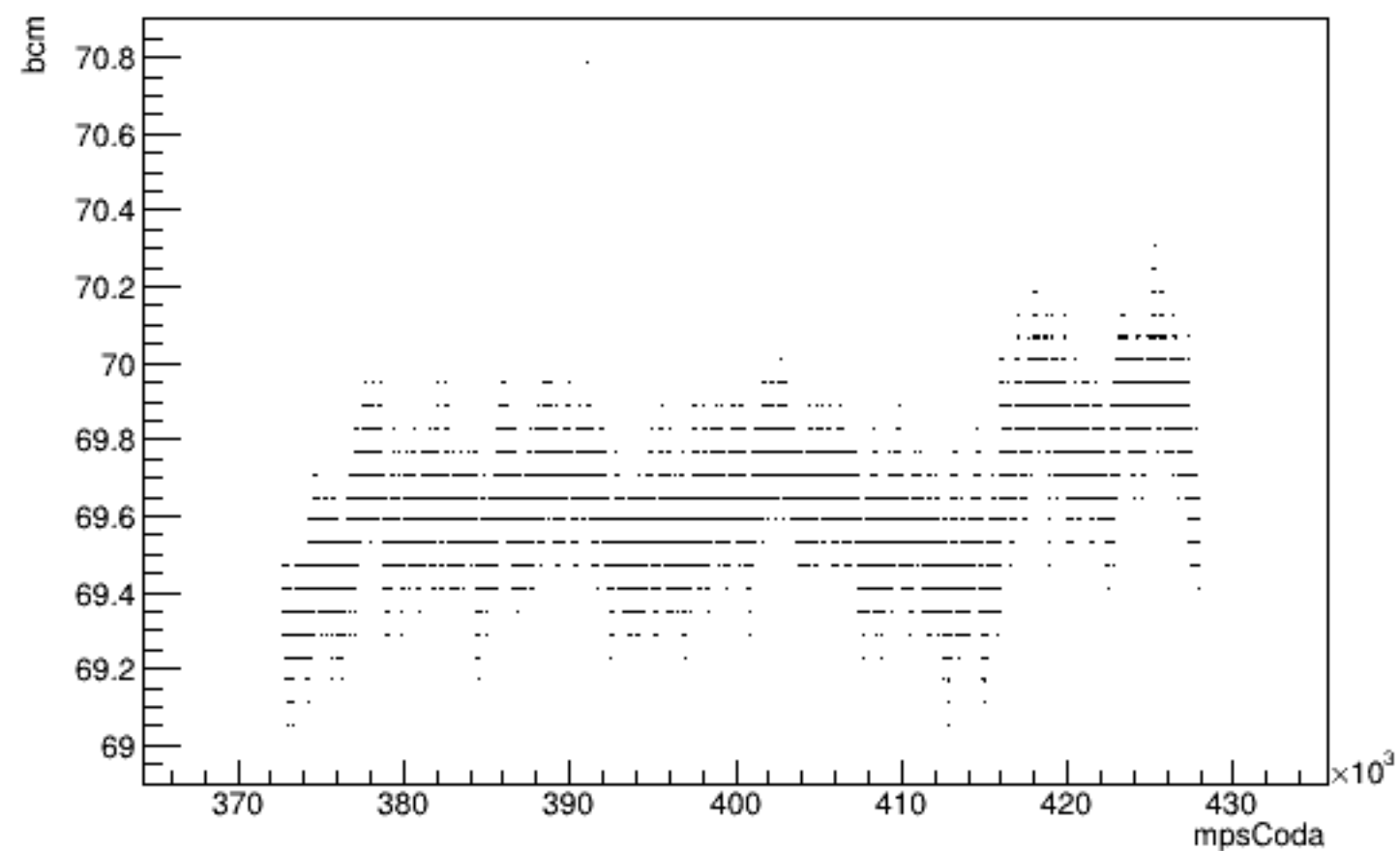
beamState + 1:mpsCoda {mpsCoda&gt;=372692 &amp;&amp; mpsCoda&lt;=427939}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=372692 &amp;&amp; mpsCoda&lt;=427939}



bcm:mpsCoda {mpsCoda&gt;=372692 &amp;&amp; mpsCoda&lt;=427939}



## Cycle 8, Diffs

Entries: 2045

Mean: 0.0084 +/- 0.0067

Std Dev: 0.3015 +/- 0.0047

Entries: 3671

Mean: 0.0758 +/- 0.0057

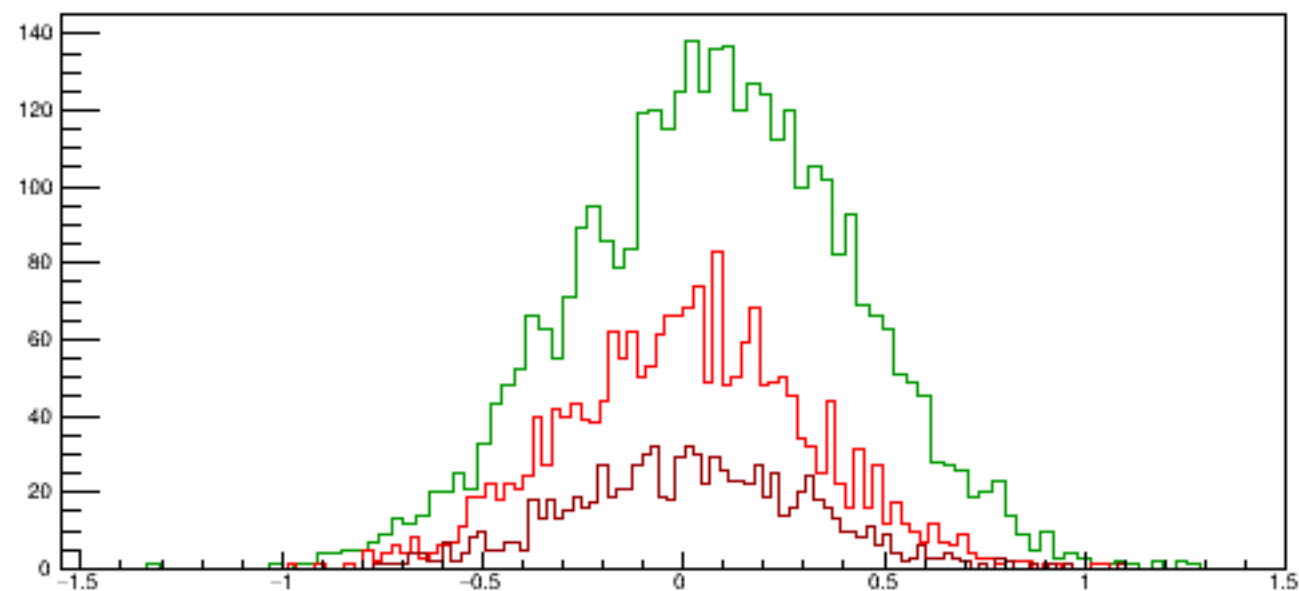
Std Dev: 0.3453 +/- 0.0040

Entries: 941

Mean: 0.0192 +/- 0.0097

Std Dev: 0.2978 +/- 0.0069

Run 4414 quartetwise, Diffs



## Cycle 8, Sums

Entries: 2045

Mean: 14.0504 +/- 0.0079

Std Dev: 0.3558 +/- 0.0056

Entries: 3671

Mean: 19.2176 +/- 0.0068

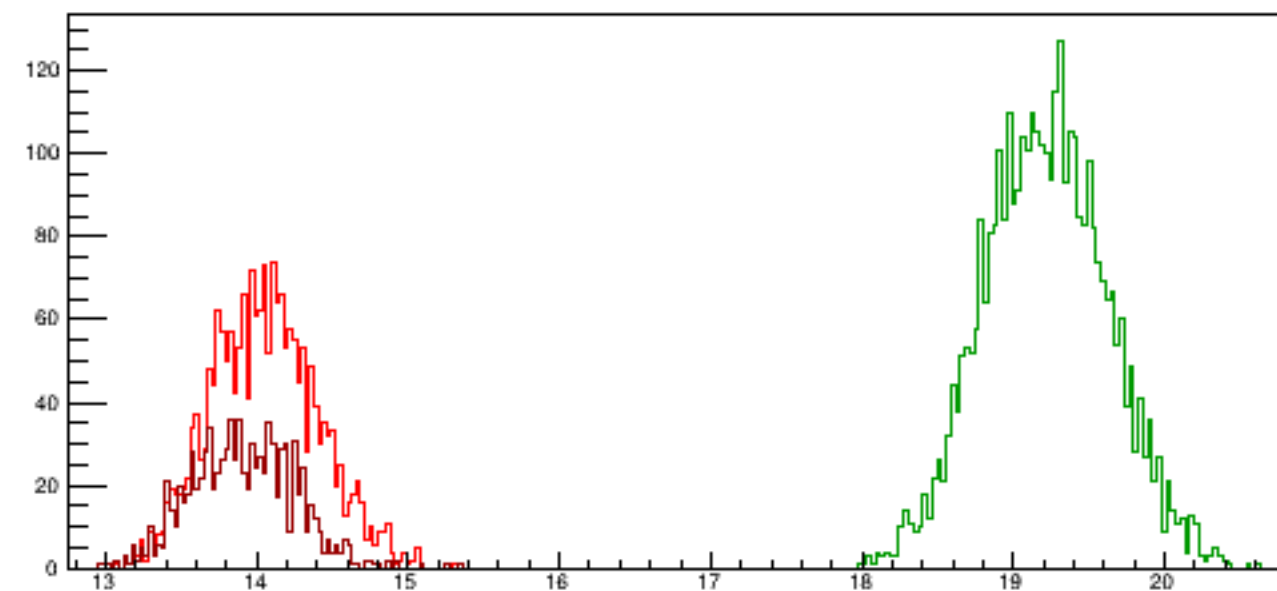
Std Dev: 0.4092 +/- 0.0048

Entries: 941

Mean: 13.9096 +/- 0.0112

Std Dev: 0.3439 +/- 0.0079

Run 4414 quartetwise, Sums



## Cycle 8, Asyms

Entries: 2045

Mean: 0.0016 +/- 0.0013

Std Dev: 0.0576 +/- 0.0009

Entries: 3671

Mean: 0.0147 +/- 0.0011

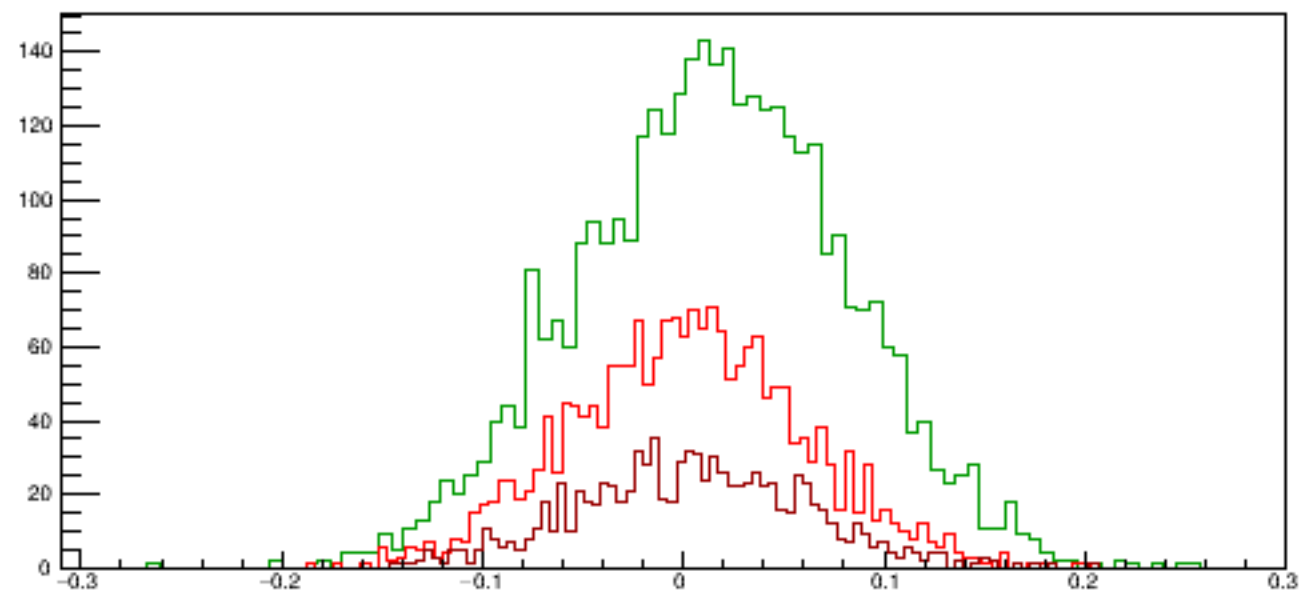
Std Dev: 0.0660 +/- 0.0008

Entries: 941

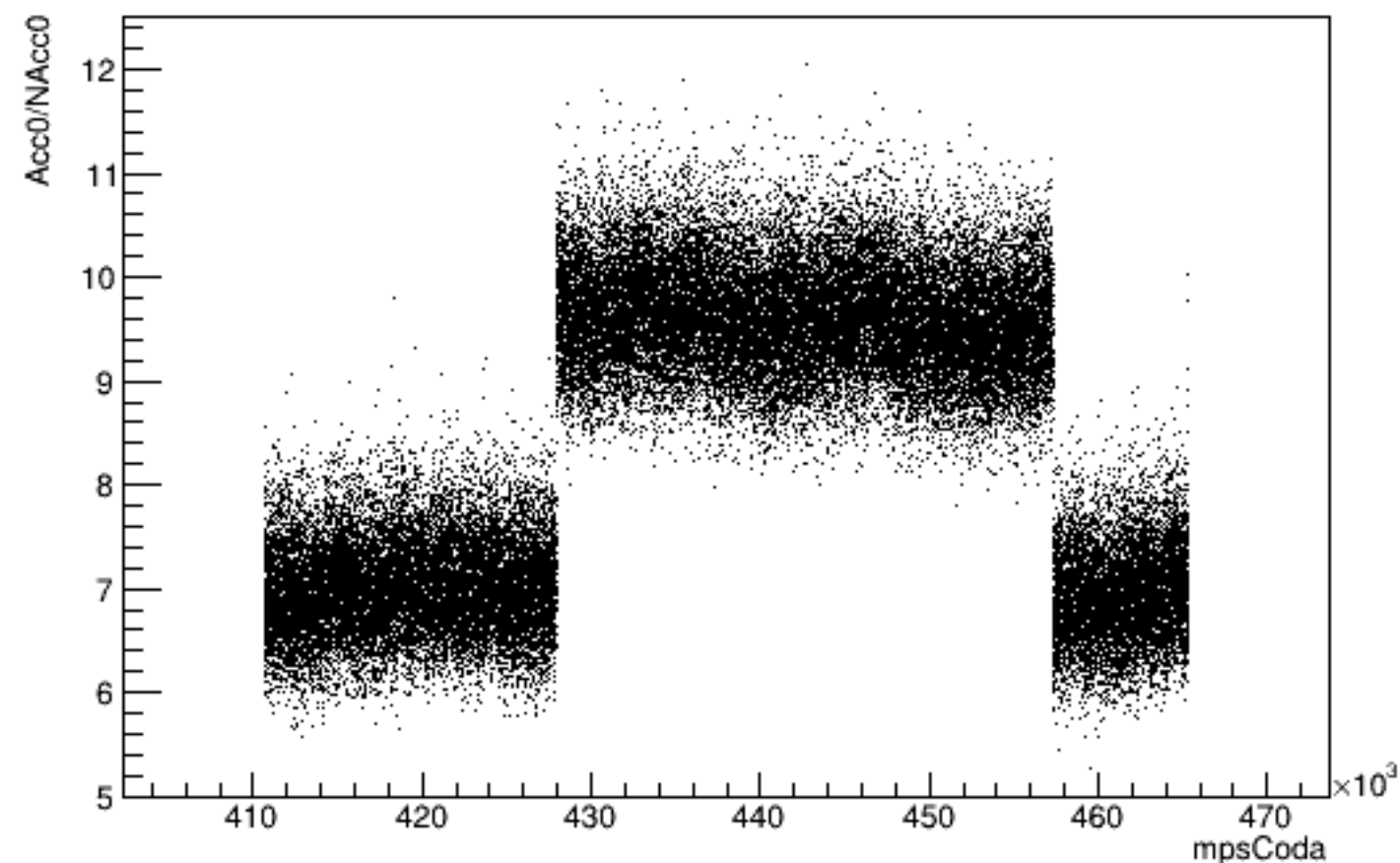
Mean: 0.0037 +/- 0.0019

Std Dev: 0.0569 +/- 0.0013

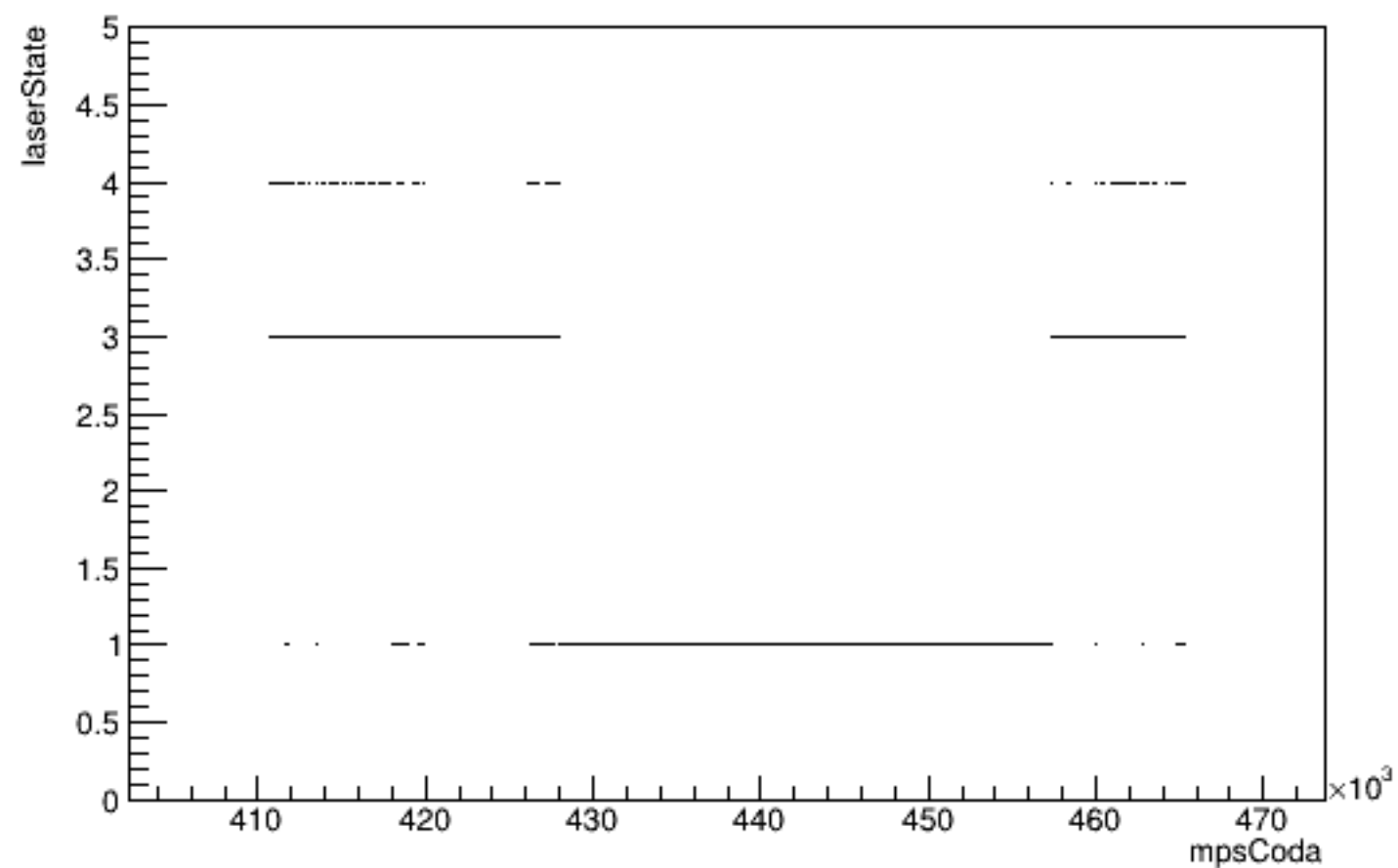
Run 4414 quartetwise, Asyms



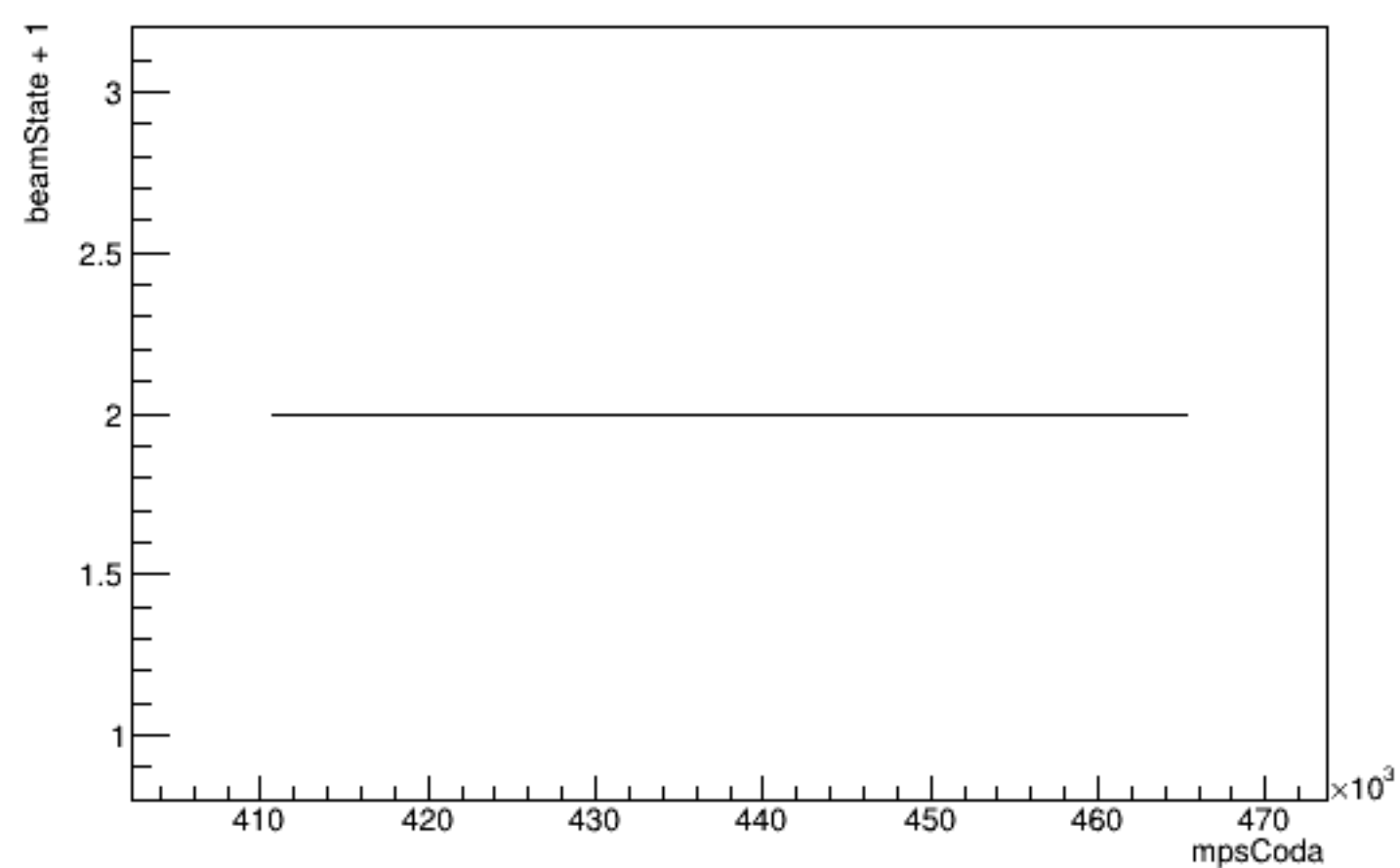
Acc0/NAcc0:mpsCoda (mpsCoda>=410644 && mpsCoda<=465315 && beamState==1)



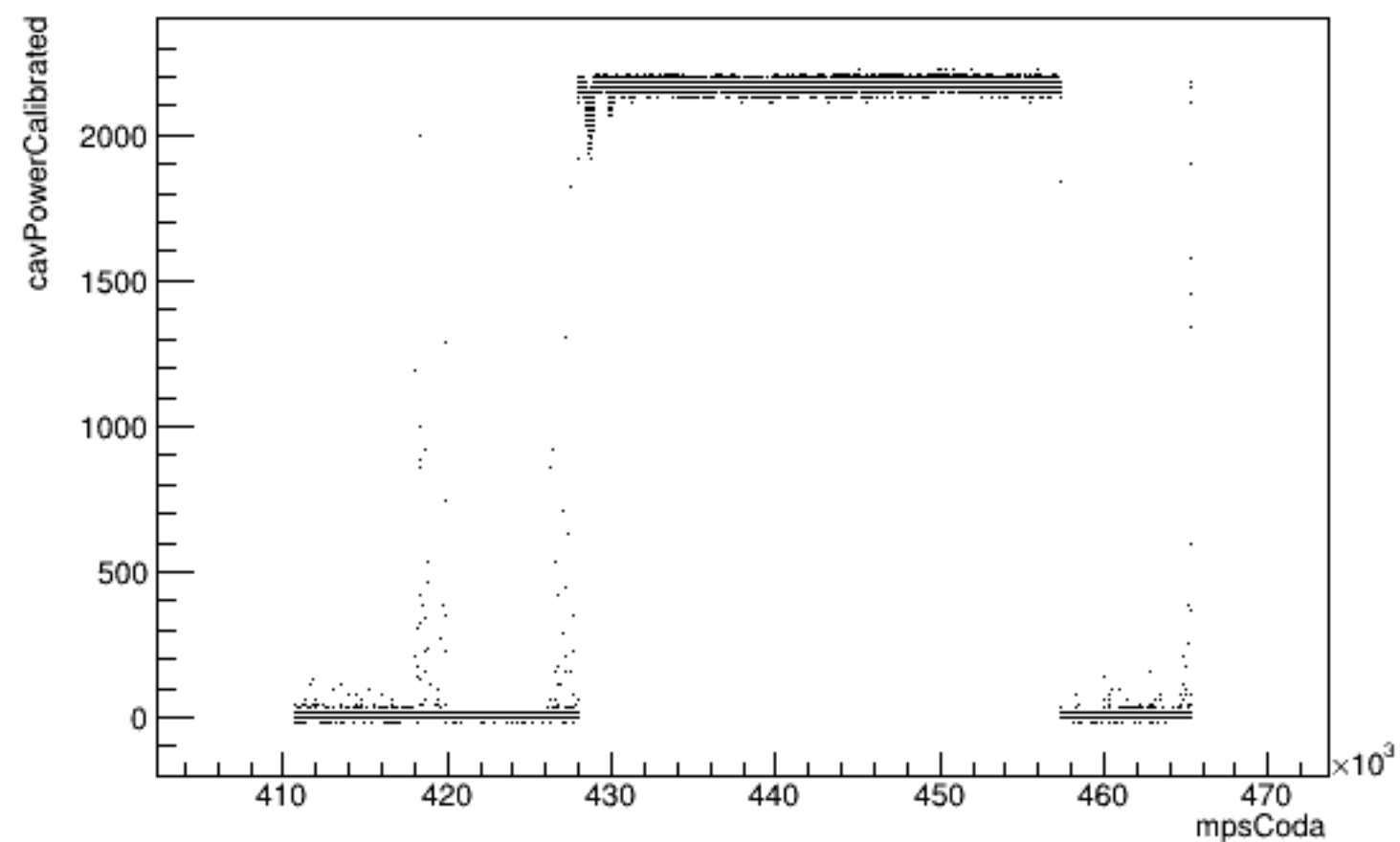
laserState:mpsCoda {mpsCoda&gt;=410644 &amp;&amp; mpsCoda&lt;=465315}



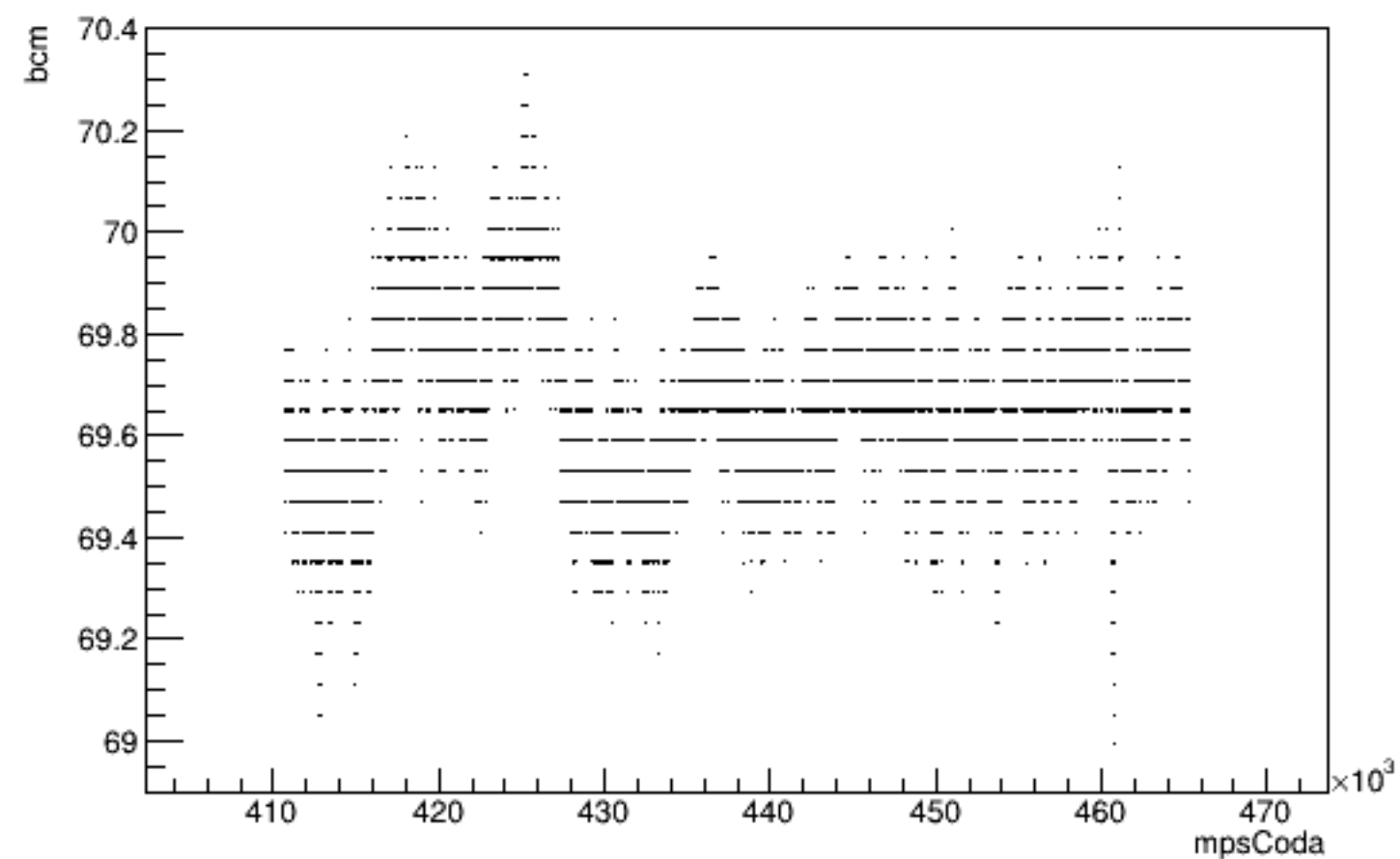
beamState + 1:mpsCoda {mpsCoda&gt;=410644 &amp;&amp; mpsCoda&lt;=465315}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=410644 &amp;&amp; mpsCoda&lt;=465315}



bcm:mpsCoda {mpsCoda&gt;=410644 &amp;&amp; mpsCoda&lt;=465315}



## Cycle 9, Diffs

Entries: 939

Mean: 0.0030 +/- 0.0098

Std Dev: 0.2995 +/- 0.0069

Entries: 2874

Mean: 0.0788 +/- 0.0064

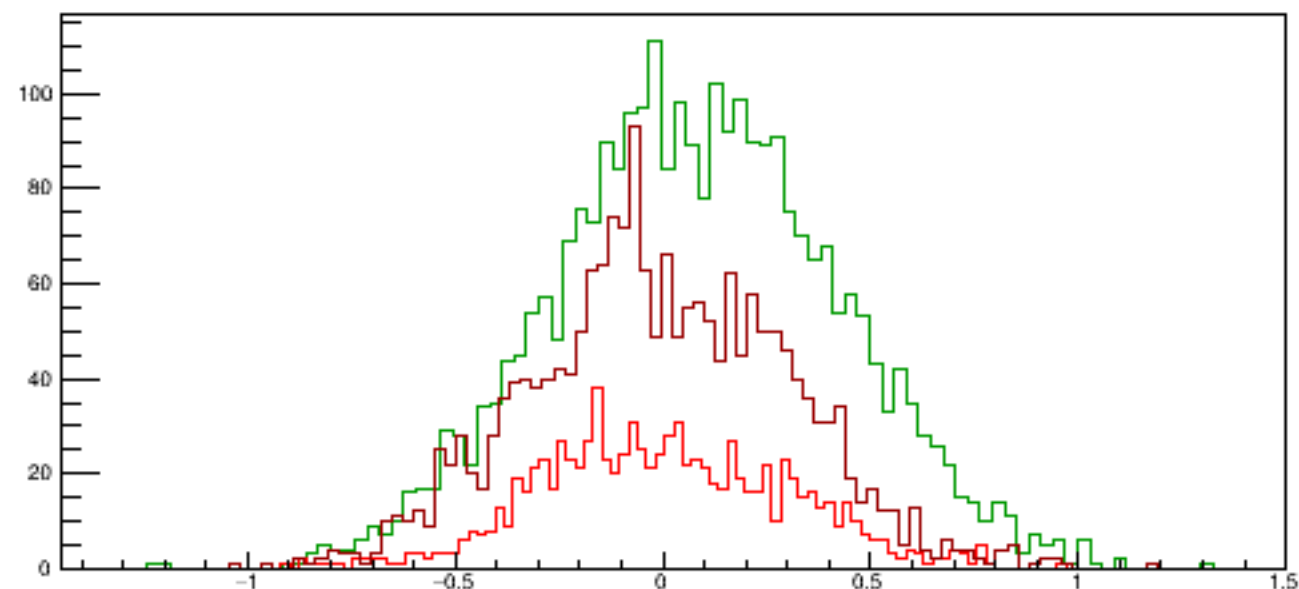
Std Dev: 0.3428 +/- 0.0045

Entries: 1953

Mean: -0.0100 +/- 0.0070

Std Dev: 0.3114 +/- 0.0050

Run 4414 quartetwise, Diffs



## Cycle 9, Sums

Entries: 939

Mean: 14.0103 +/- 0.0113

Std Dev: 0.3468 +/- 0.0080

Entries: 2874

Mean: 19.0674 +/- 0.0070

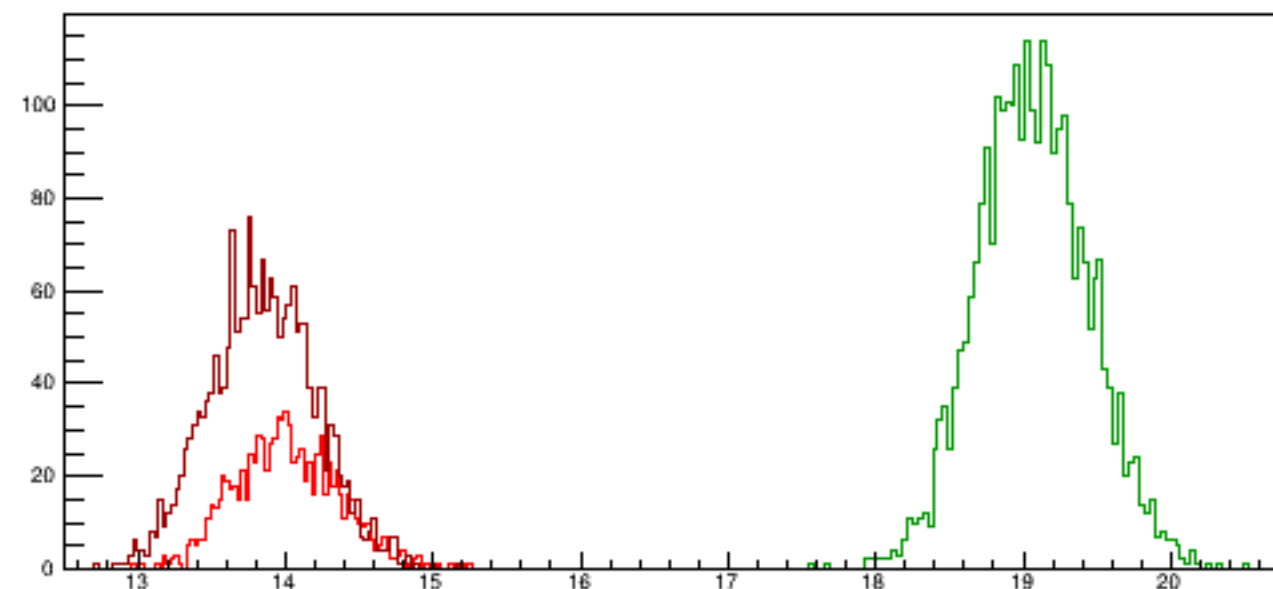
Std Dev: 0.3742 +/- 0.0049

Entries: 1953

Mean: 13.8495 +/- 0.0081

Std Dev: 0.3583 +/- 0.0057

Run 4414 quartetwise, Sums



## Cycle 9, Asyms

Entries: 939

Mean: 0.0006 +/- 0.0019

Std Dev: 0.0583 +/- 0.0013

Entries: 2874

Mean: 0.0154 +/- 0.0012

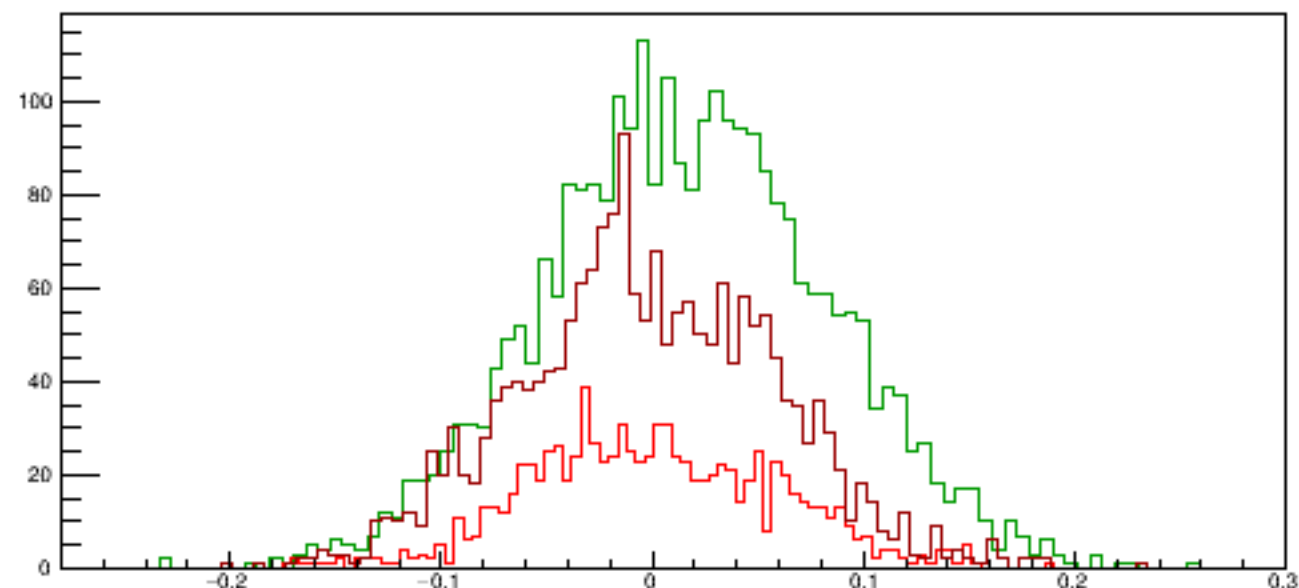
Std Dev: 0.0669 +/- 0.0009

Entries: 1953

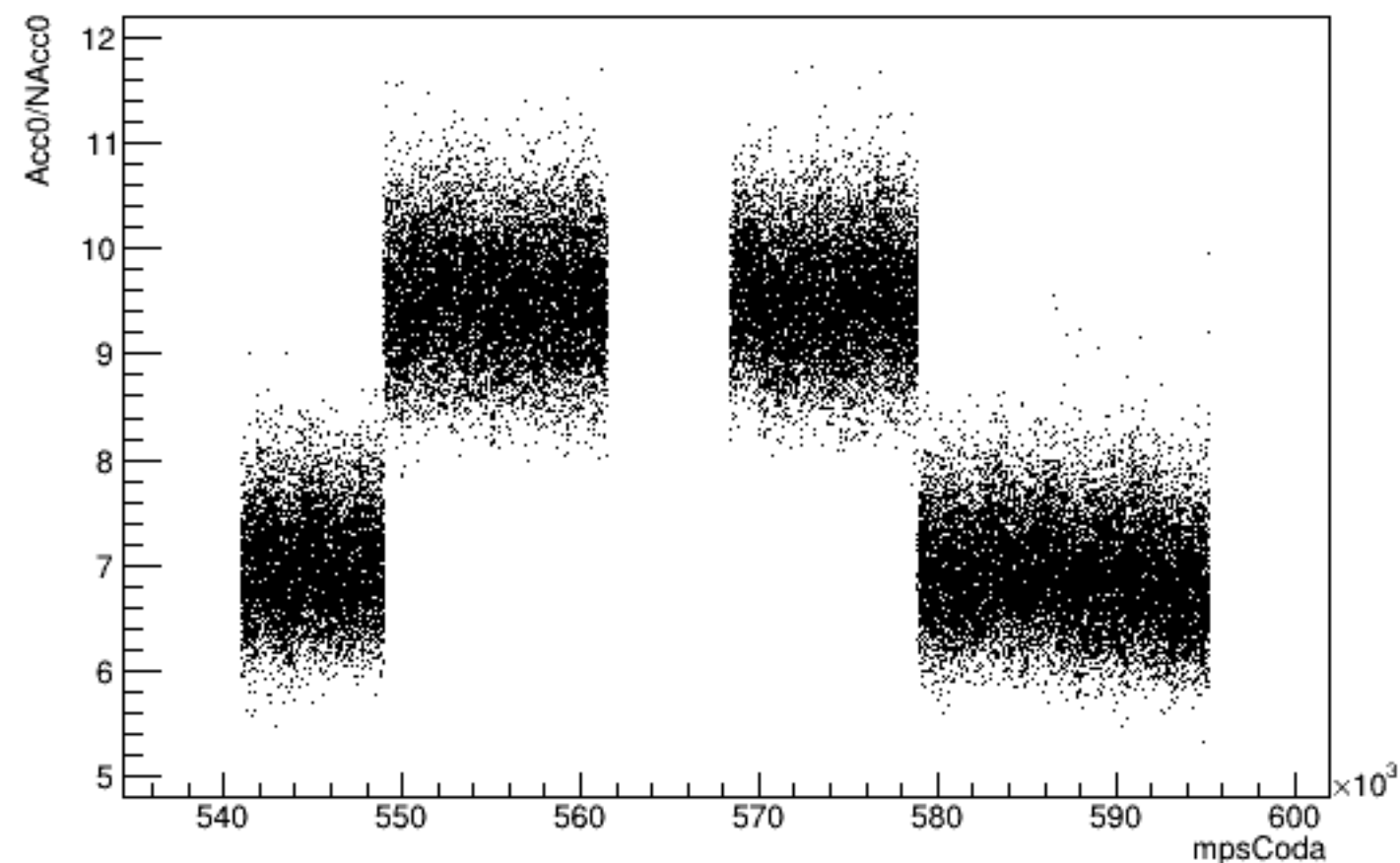
Mean: -0.0019 +/- 0.0014

Std Dev: 0.0606 +/- 0.0010

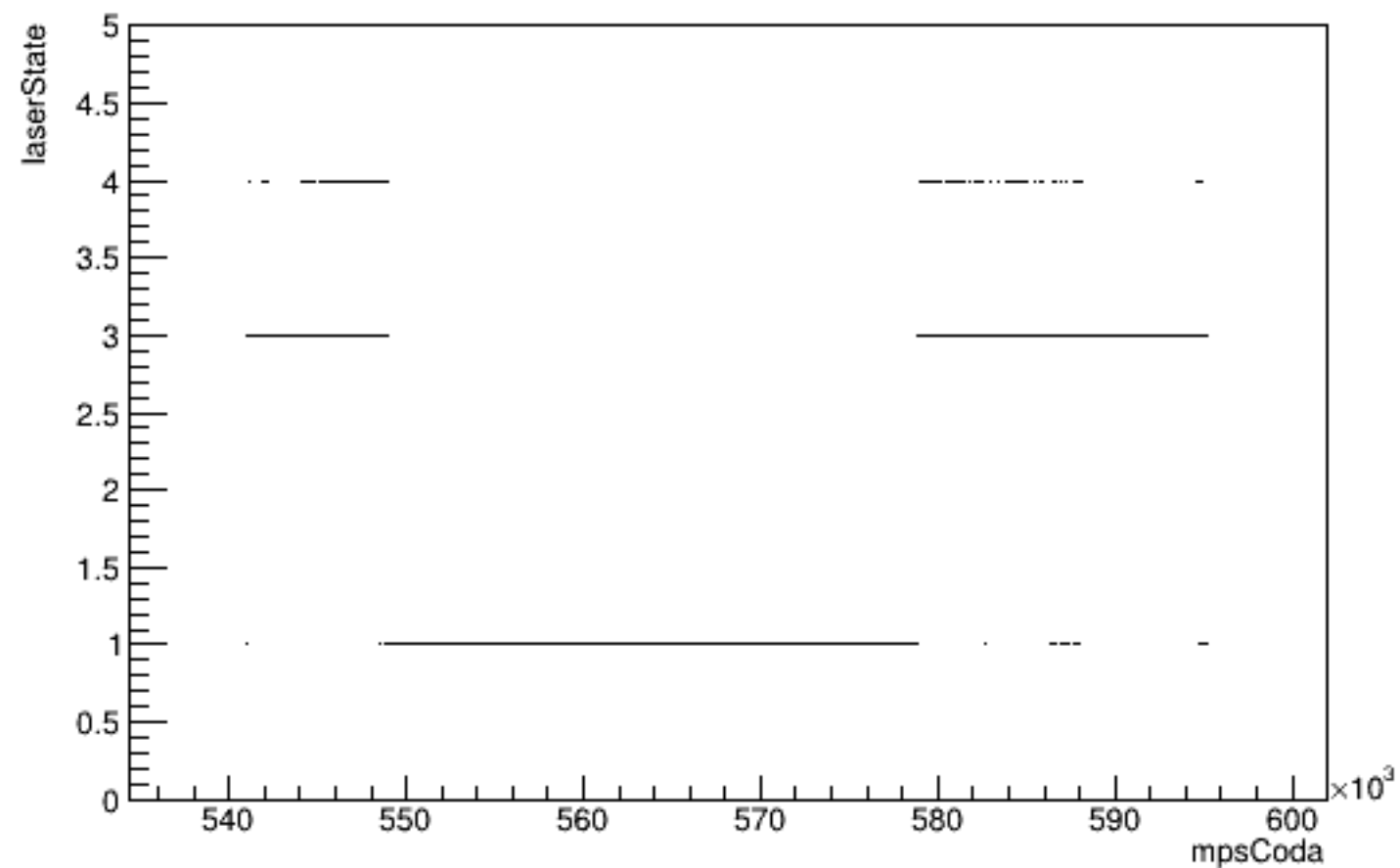
Run 4414 quartetwise, Asyms



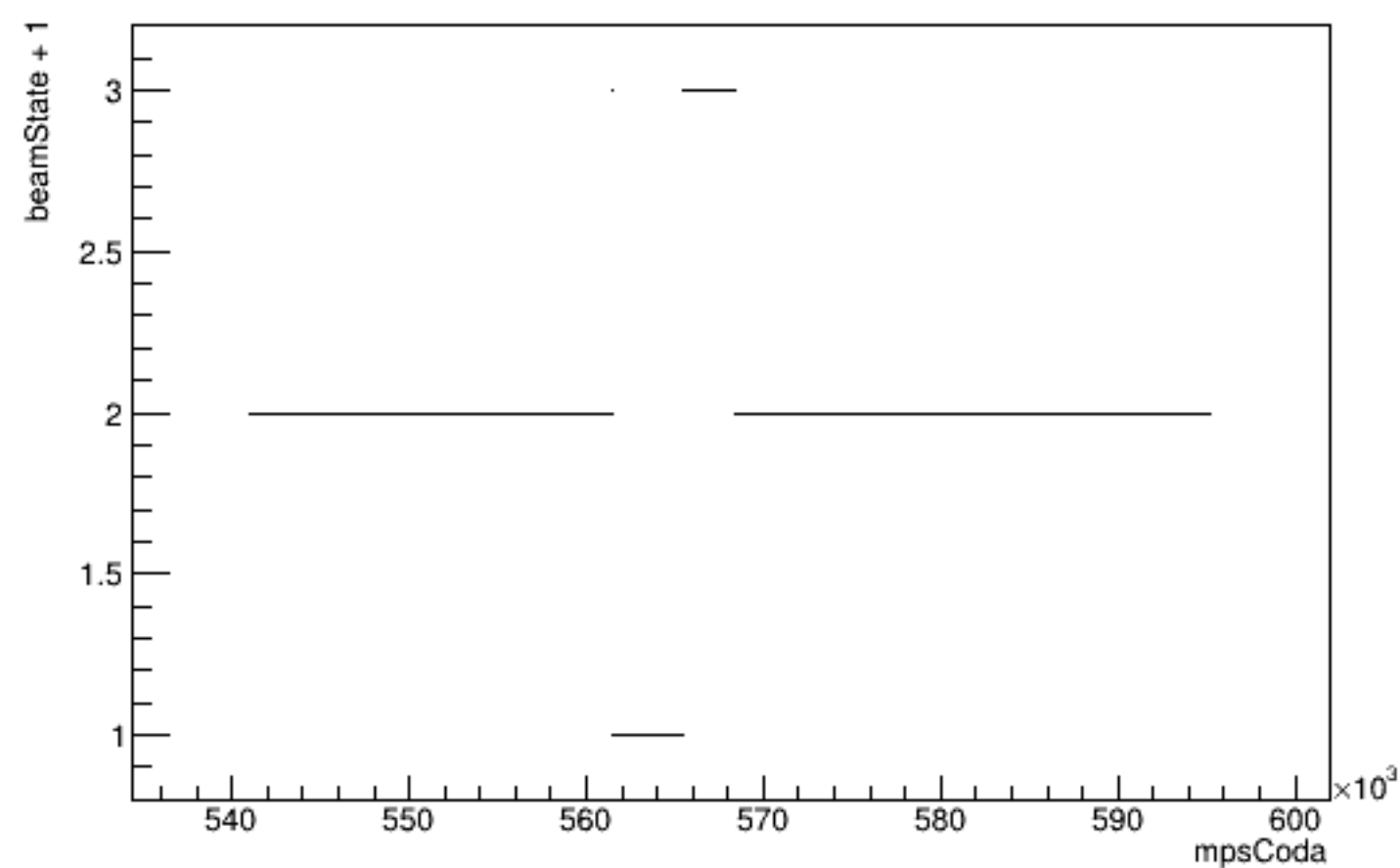
Acc0/NAcc0:mpsCoda (mpsCoda>=540972 && mpsCoda<=595219 && beamState==1)



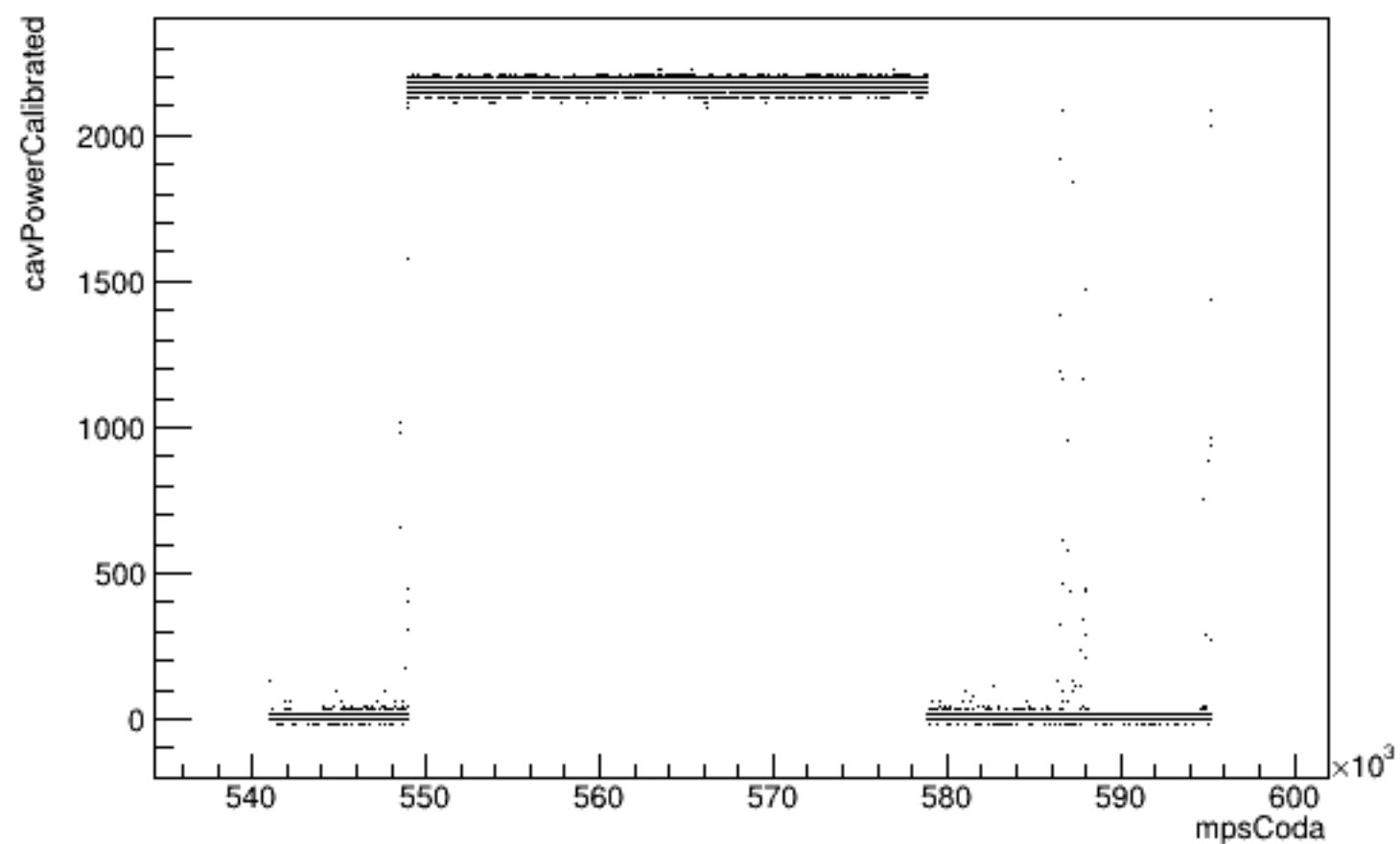
laserState:mpsCoda {mpsCoda&gt;=540972 &amp;&amp; mpsCoda&lt;=595219}



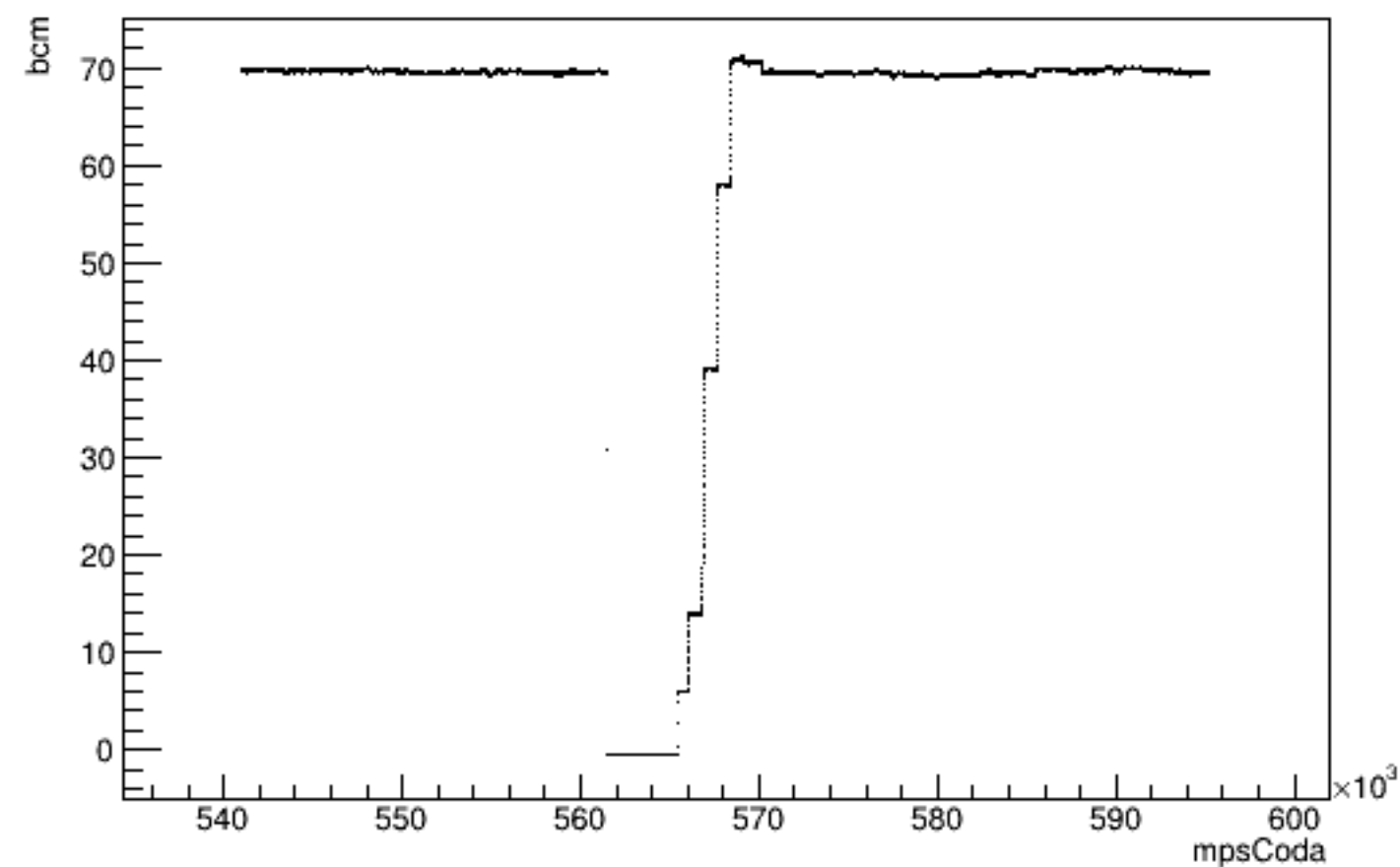
beamState + 1:mpsCoda {mpsCoda&gt;=540972 &amp;&amp; mpsCoda&lt;=595219}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=540972 &amp;&amp; mpsCoda&lt;=595219}



bcm:mpsCoda {mpsCoda&gt;=540972 &amp;&amp; mpsCoda&lt;=595219}



## Cycle 10, Diffs

**Entries: 1953**

**Mean: -0.0100 +/- 0.0070**

**Std Dev: 0.3114 +/- 0.0050**

**Entries: 3735**

**Mean: 0.0730 +/- 0.0055**

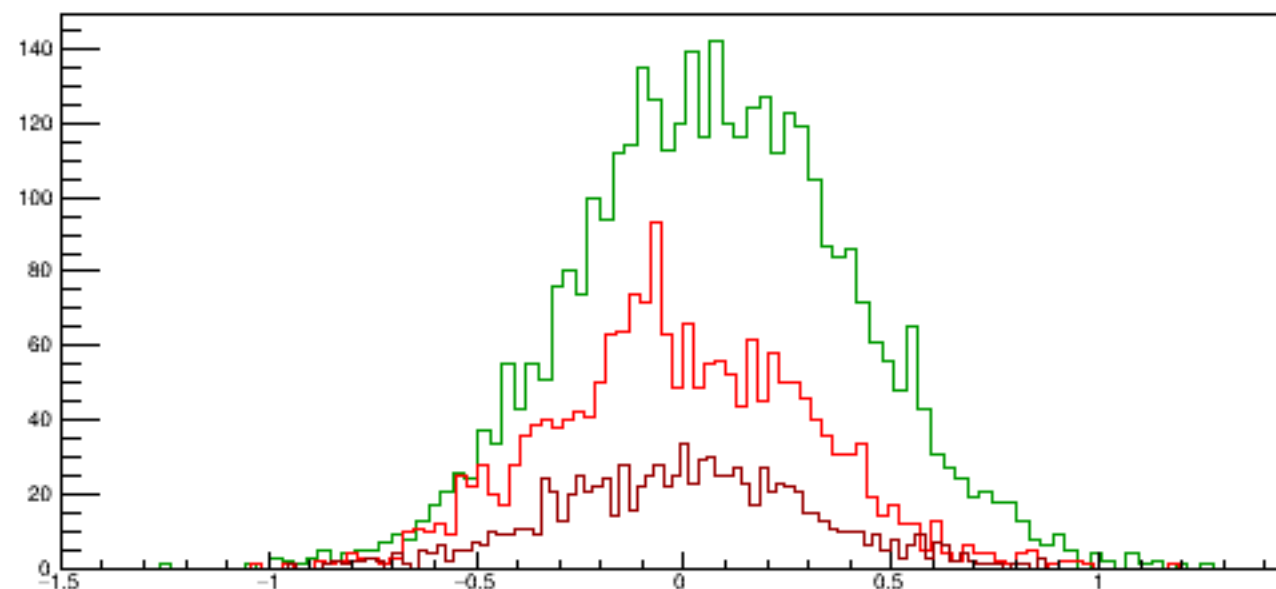
**Std Dev: 0.3347 +/- 0.0039**

**Entries: 977**

**Mean: -0.0001 +/- 0.0098**

**Std Dev: 0.3078 +/- 0.0070**

Run 4414 quartetwise, Diffs



## Cycle 10, Sums

**Entries: 1953**

**Mean: 13.8495 +/- 0.0081**

**Std Dev: 0.3583 +/- 0.0057**

**Entries: 3735**

**Mean: 19.0383 +/- 0.0064**

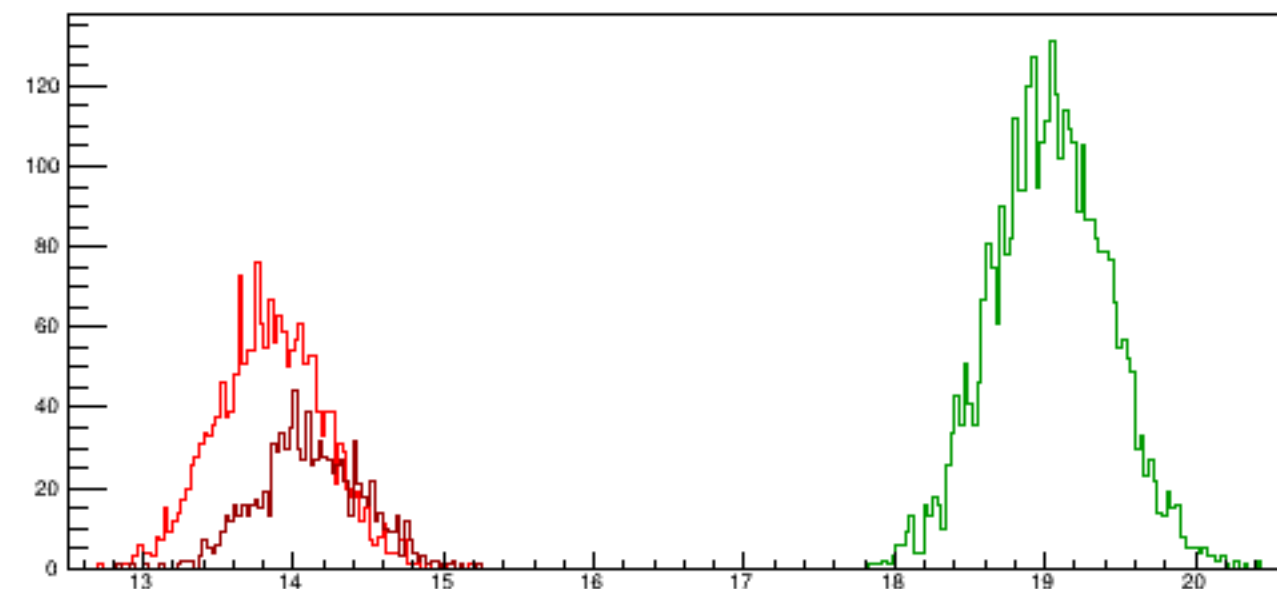
**Std Dev: 0.3894 +/- 0.0045**

**Entries: 977**

**Mean: 14.1110 +/- 0.0111**

**Std Dev: 0.3482 +/- 0.0079**

Run 4414 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=578916 && mpsCoda<=633467 && beamState==1)

## Cycle 10, Asyms

**Entries: 1953**

**Mean: -0.0020 +/- 0.0014**

**Std Dev: 0.0616 +/- 0.0010**

**Entries: 3735**

**Mean: 0.0145 +/- 0.0011**

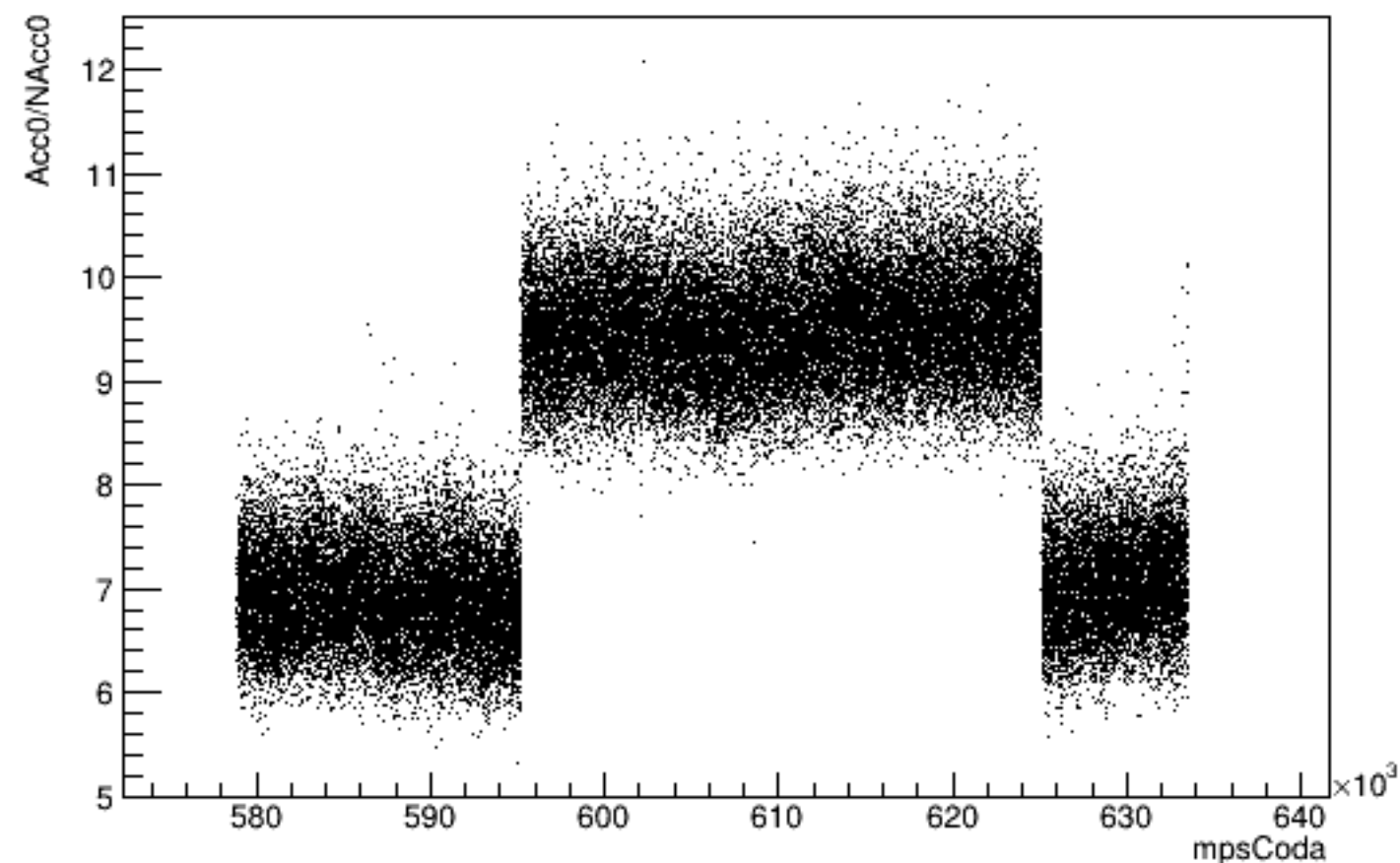
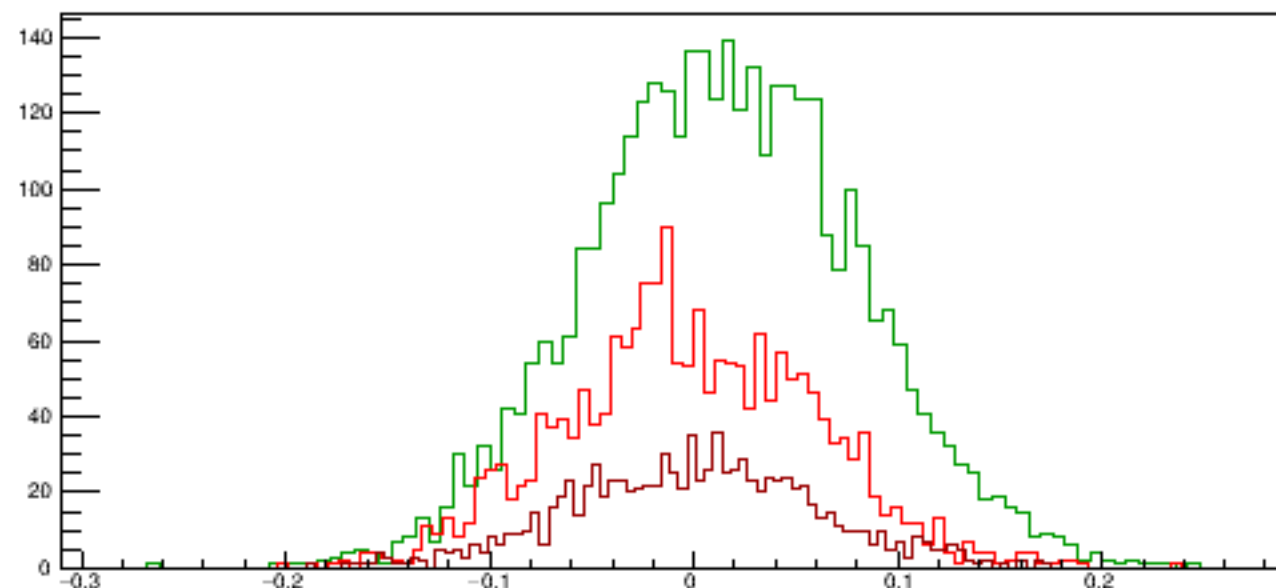
**Std Dev: 0.0662 +/- 0.0008**

**Entries: 977**

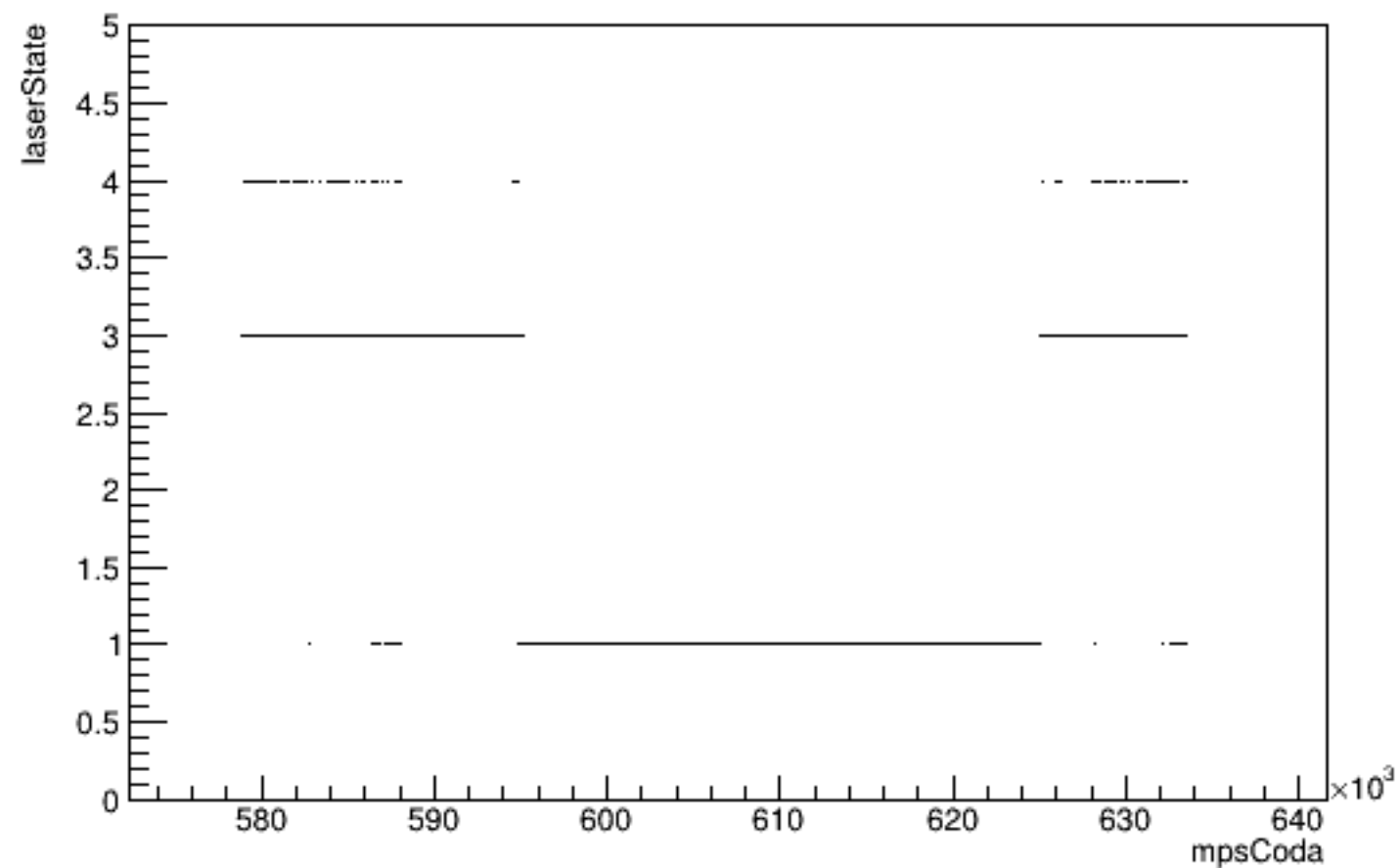
**Mean: -0.0000 +/- 0.0019**

**Std Dev: 0.0609 +/- 0.0014**

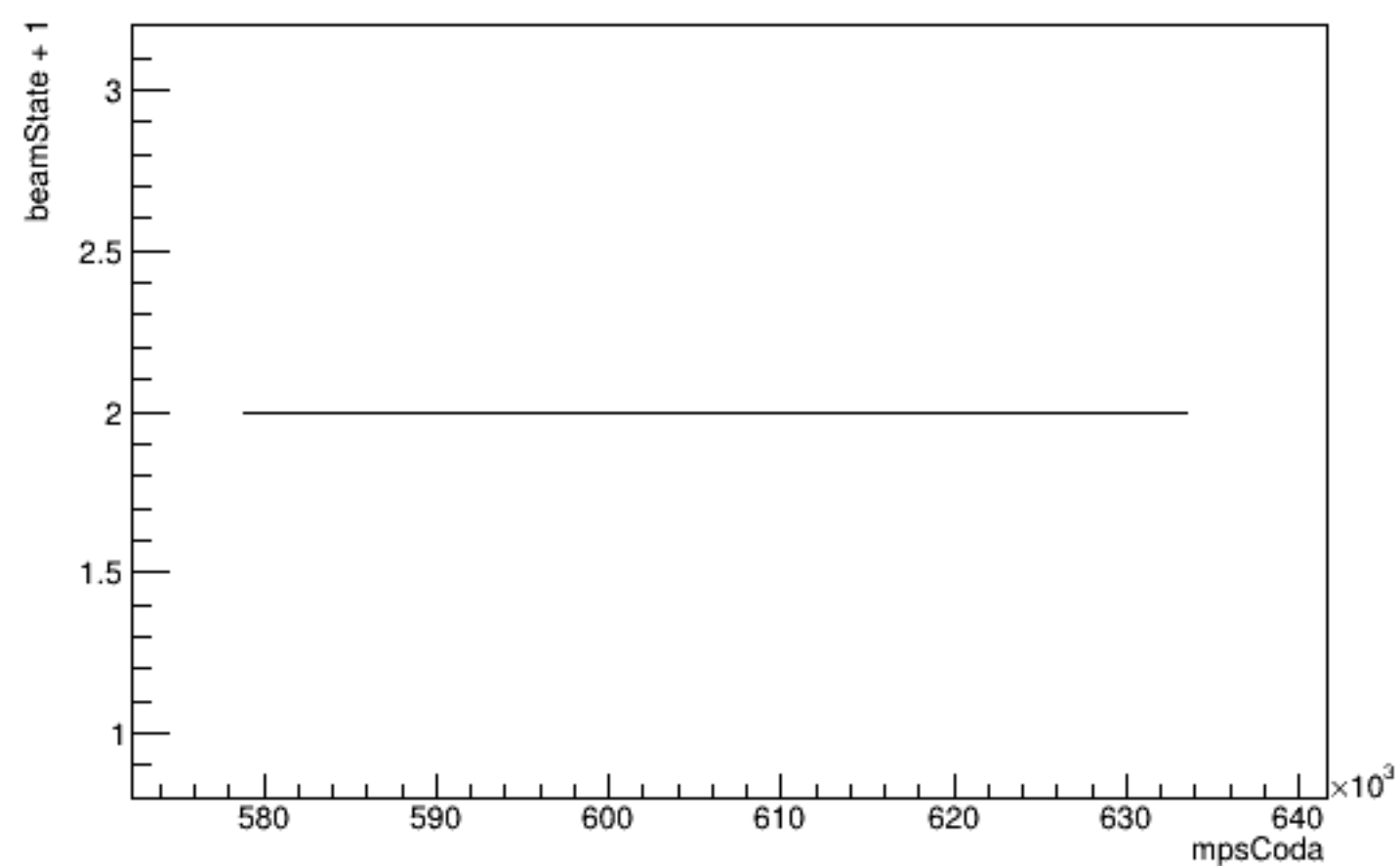
Run 4414 quartetwise, Asyms



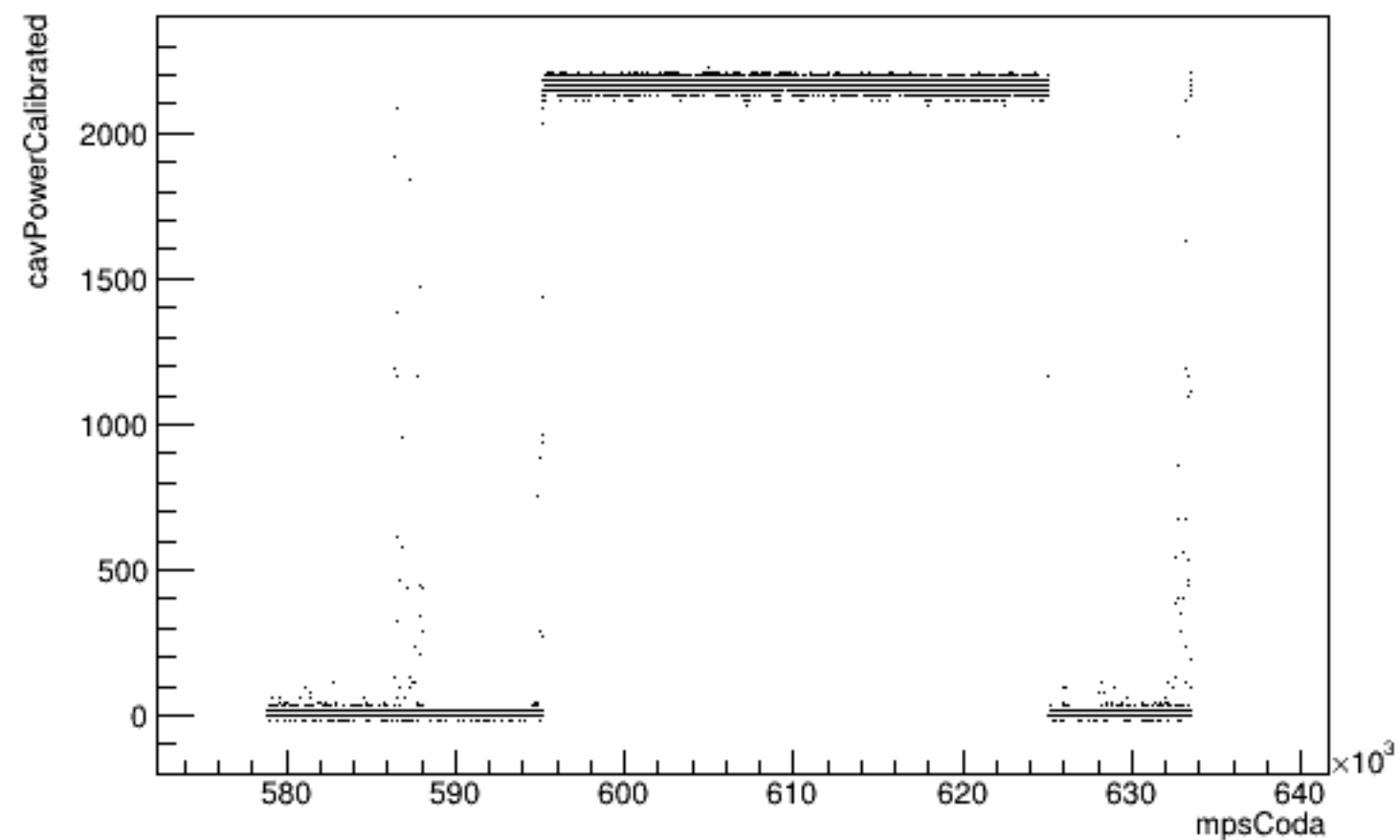
laserState:mpsCoda {mpsCoda&gt;=578916 &amp;&amp; mpsCoda&lt;=633467}



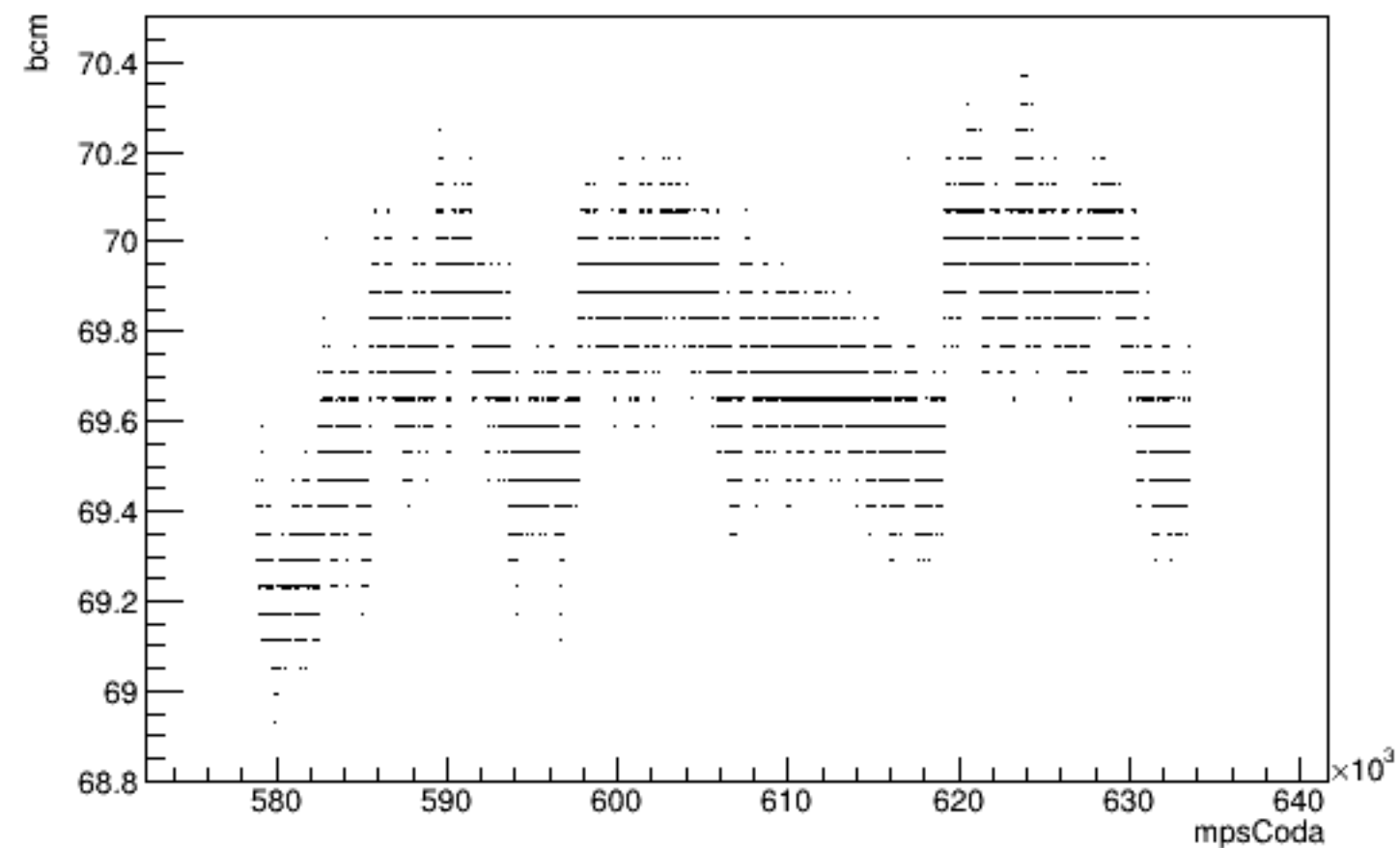
beamState + 1:mpsCoda {mpsCoda&gt;=578916 &amp;&amp; mpsCoda&lt;=633467}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=578916 &amp;&amp; mpsCoda&lt;=633467}



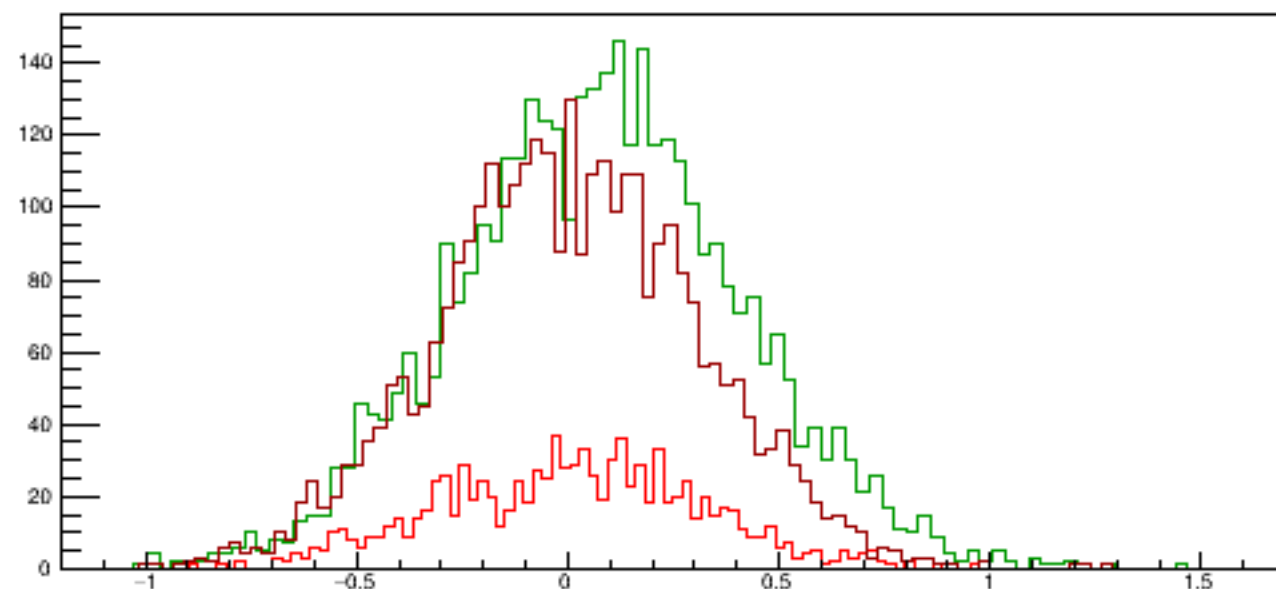
bcm:mpsCoda {mpsCoda&gt;=578916 &amp;&amp; mpsCoda&lt;=633467}



## Cycle 11, Diffs

| Entries: 1002              | Entries: 3769              | Entries: 3305              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0069 +/- 0.0097    | Mean: 0.0725 +/- 0.0055    | Mean: 0.0013 +/- 0.0054    |
| Std Dev: 0.3064 +/- 0.0068 | Std Dev: 0.3383 +/- 0.0039 | Std Dev: 0.3081 +/- 0.0038 |

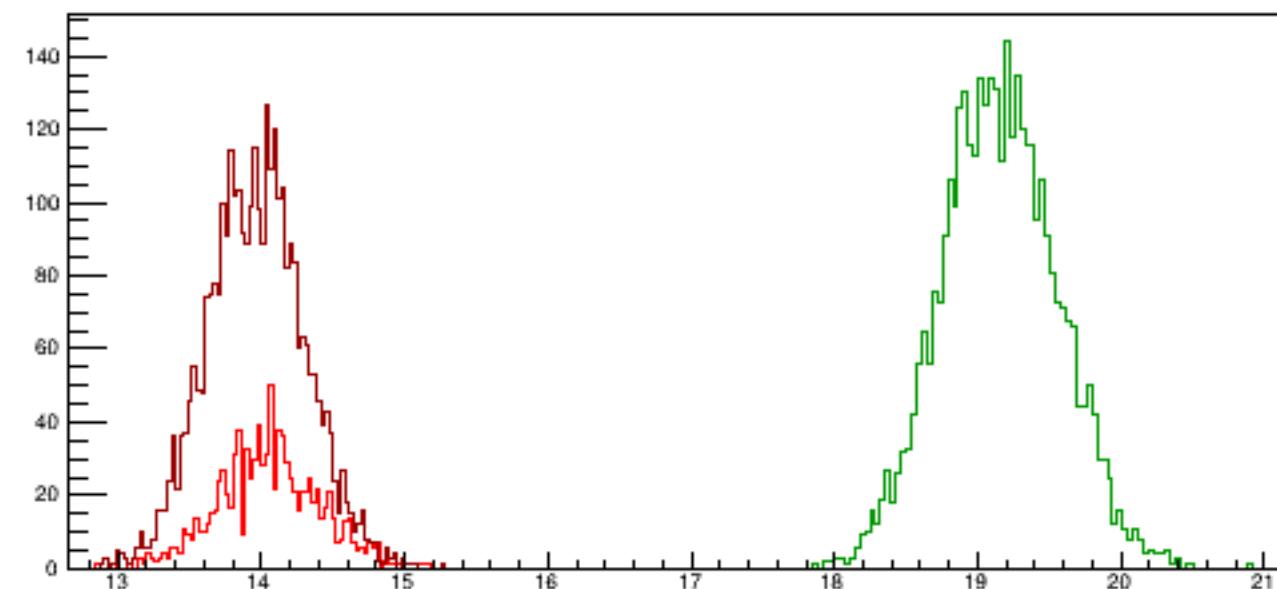
Run 4414 quartetwise, Diffs



## Cycle 11, Sums

| Entries: 1002              | Entries: 3769              | Entries: 3305              |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.0517 +/- 0.0111   | Mean: 19.1534 +/- 0.0066   | Mean: 13.9623 +/- 0.0059   |
| Std Dev: 0.3525 +/- 0.0079 | Std Dev: 0.4044 +/- 0.0047 | Std Dev: 0.3382 +/- 0.0042 |

Run 4414 quartetwise, Sums

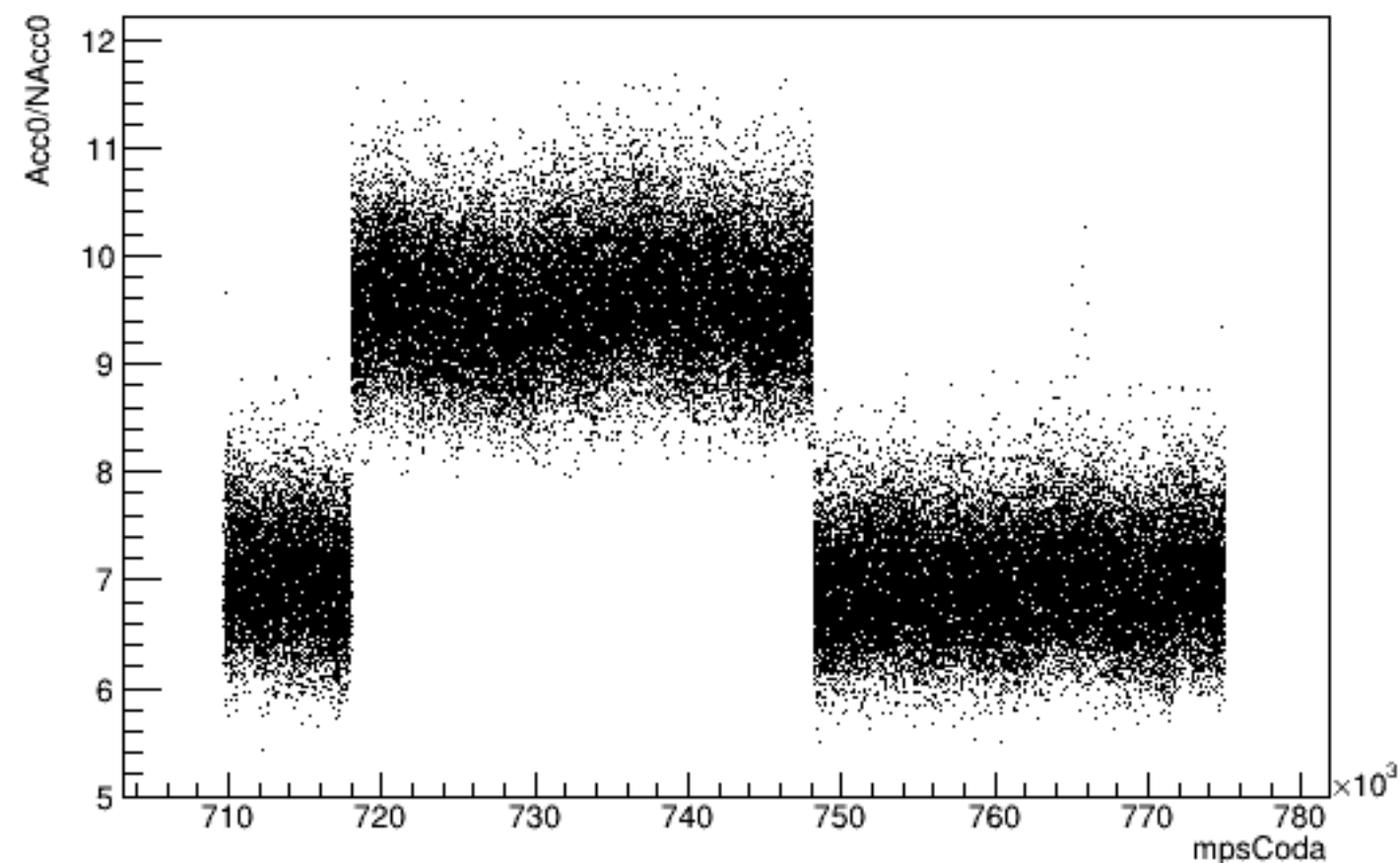
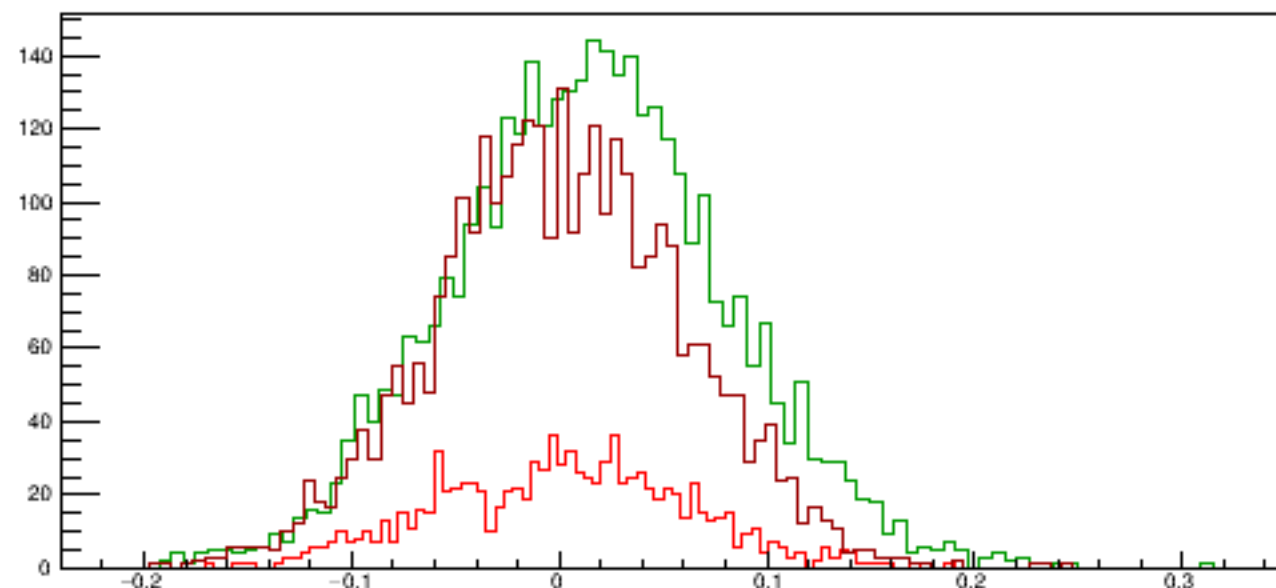


Acc0/NAcc0:mpsCoda (mpsCoda>=709732 && mpsCoda<=775011 && beamState==1)

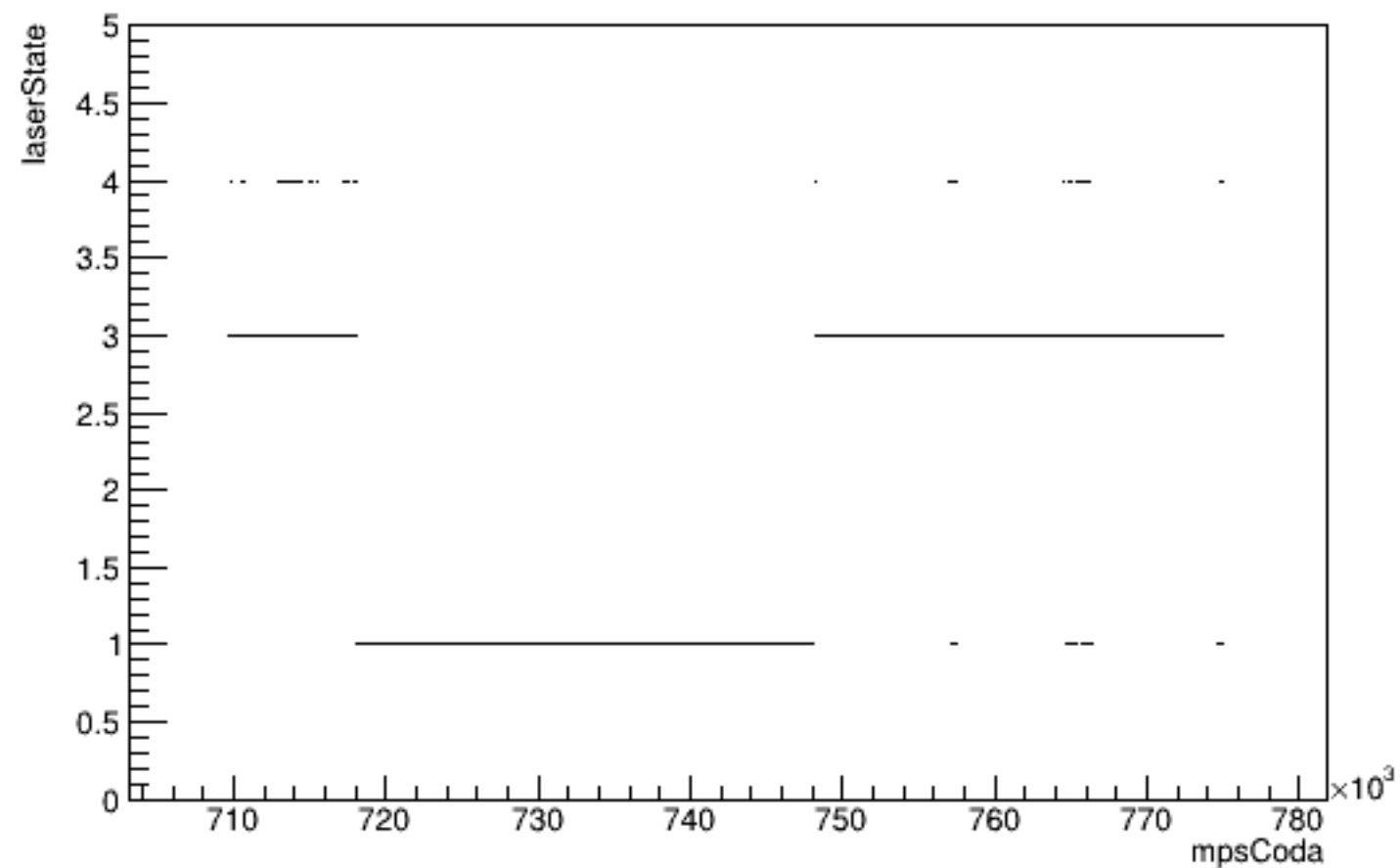
## Cycle 11, Asyms

| Entries: 1002              | Entries: 3769              | Entries: 3305              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0013 +/- 0.0019    | Mean: 0.0142 +/- 0.0011    | Mean: 0.0003 +/- 0.0010    |
| Std Dev: 0.0595 +/- 0.0013 | Std Dev: 0.0661 +/- 0.0008 | Std Dev: 0.0599 +/- 0.0007 |

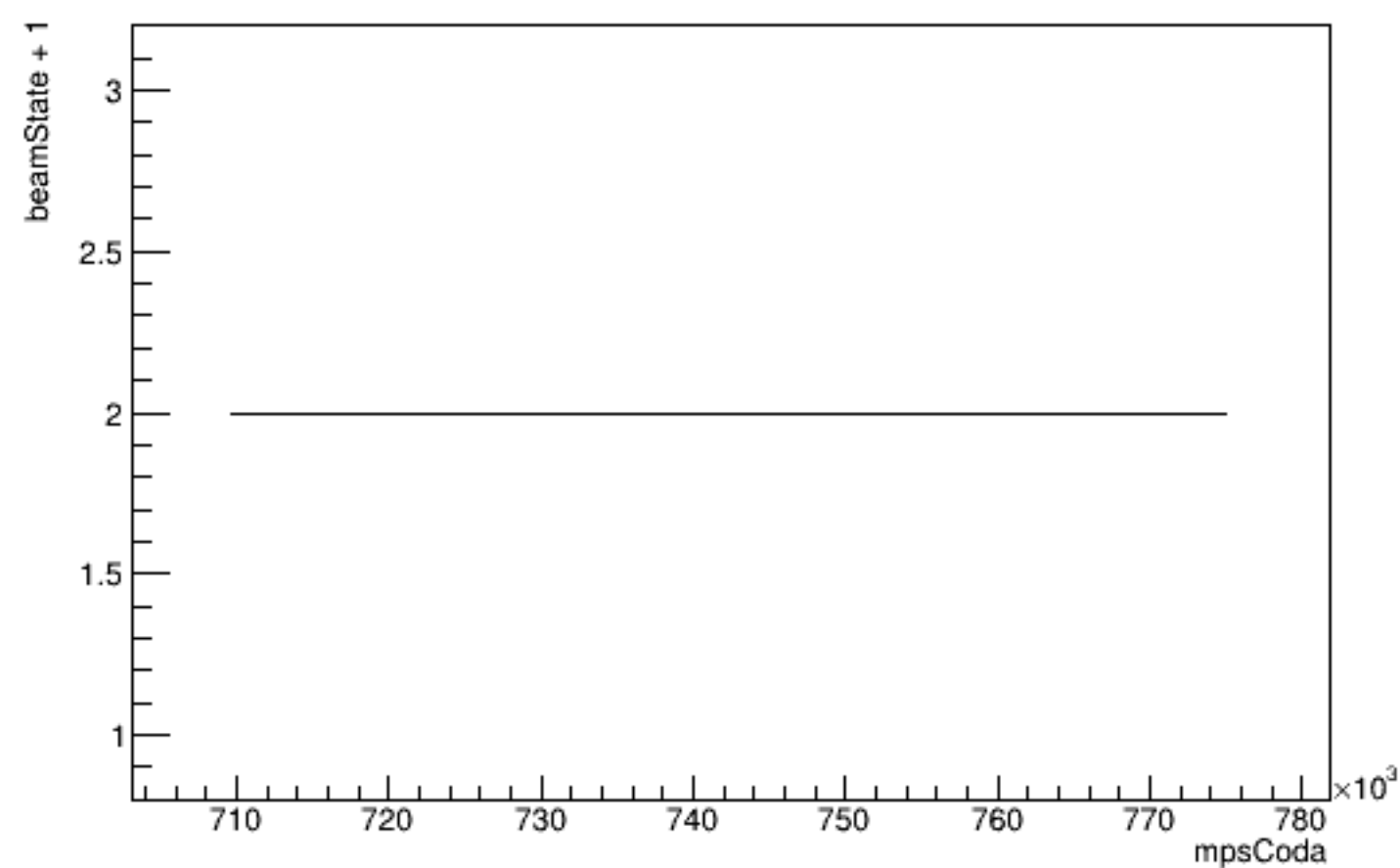
Run 4414 quartetwise, Asyms



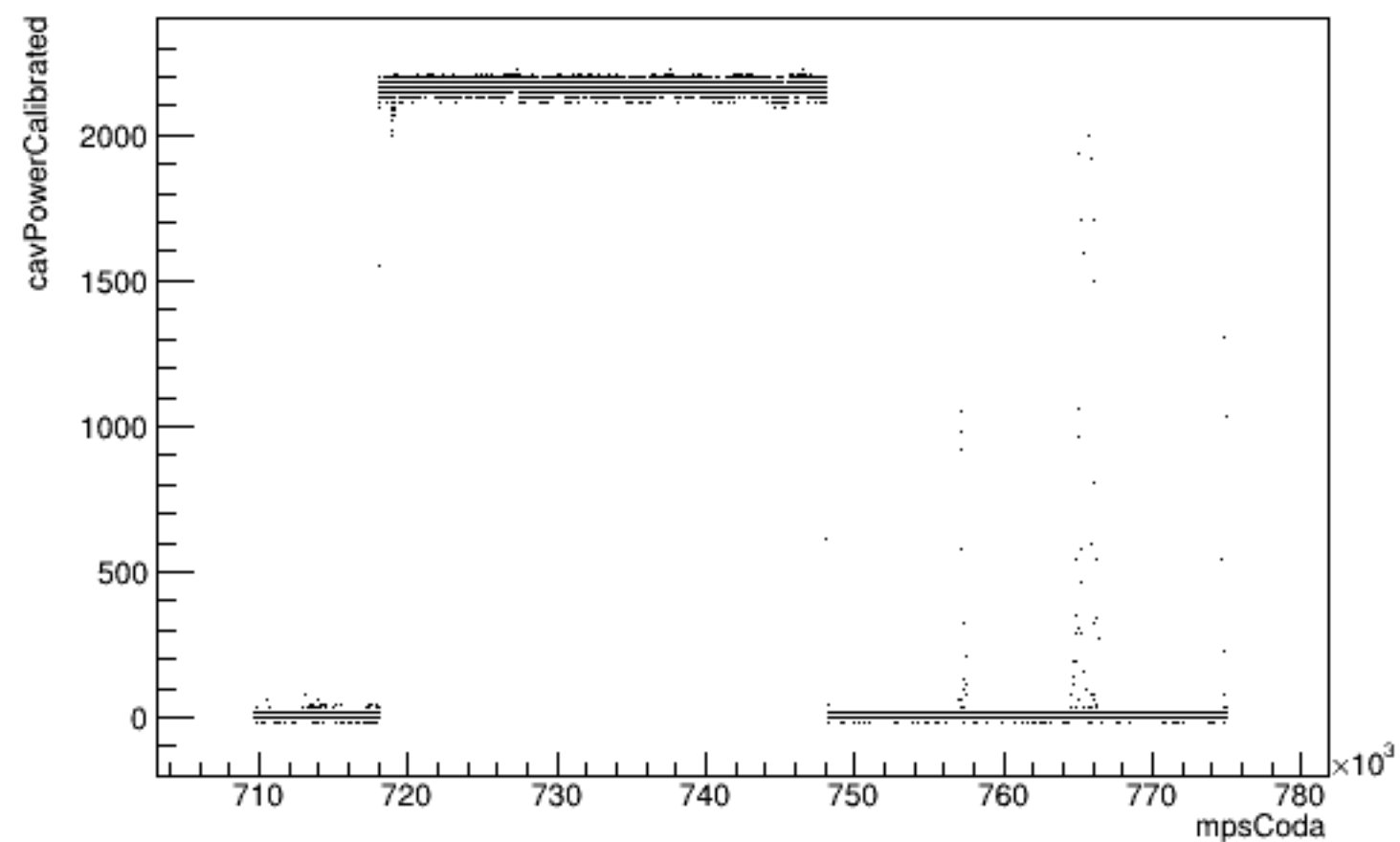
laserState:mpsCoda {mpsCoda&gt;=709732 &amp;&amp; mpsCoda&lt;=775011}



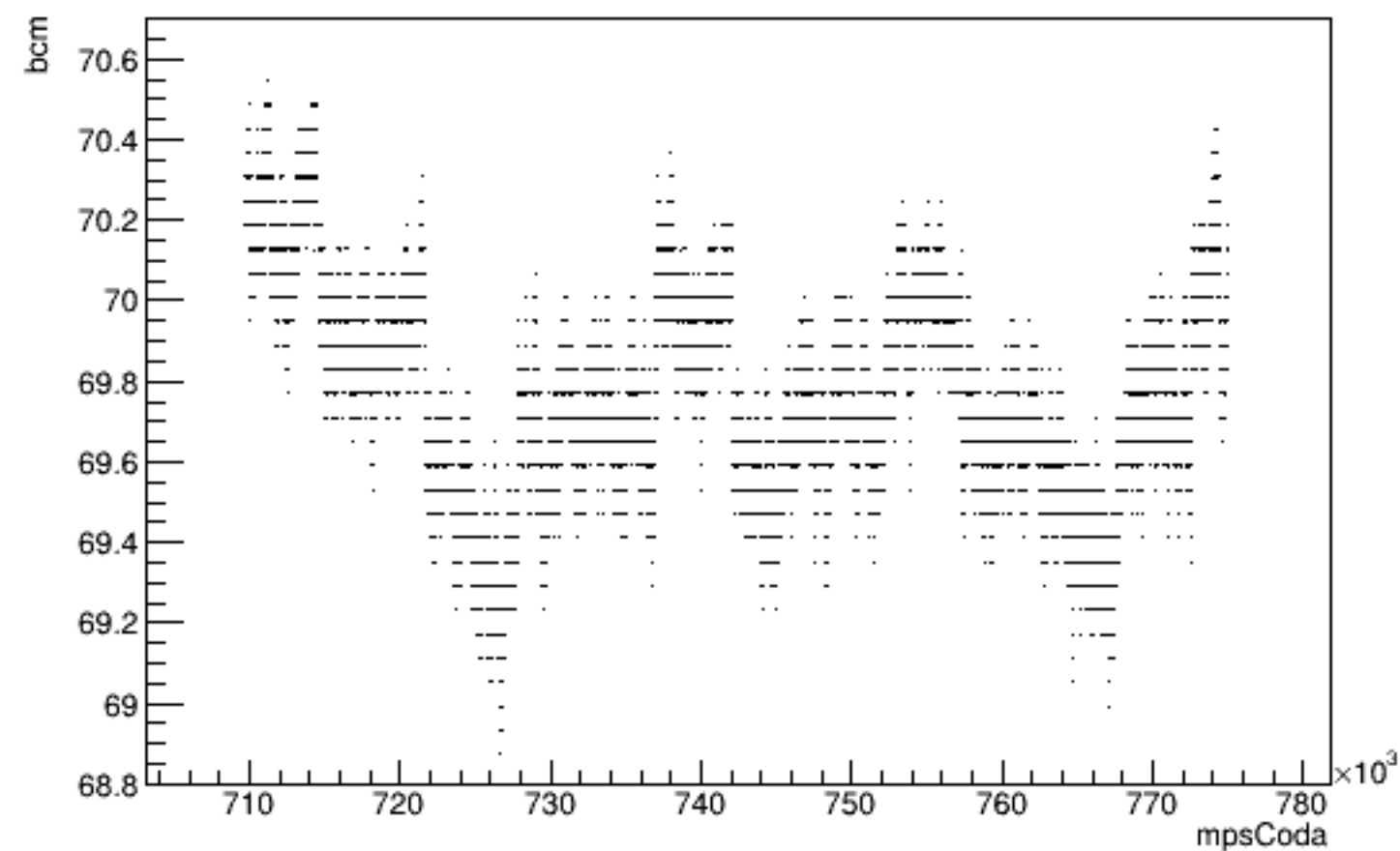
beamState + 1:mpsCoda {mpsCoda&gt;=709732 &amp;&amp; mpsCoda&lt;=775011}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=709732 &amp;&amp; mpsCoda&lt;=775011}



bcm:mpsCoda {mpsCoda&gt;=709732 &amp;&amp; mpsCoda&lt;=775011}



## Cycle 12, Diffs

Entries: 3305

Mean: 0.0013 +/- 0.0054

Std Dev: 0.3081 +/- 0.0038

Entries: 3752

Mean: 0.0772 +/- 0.0056

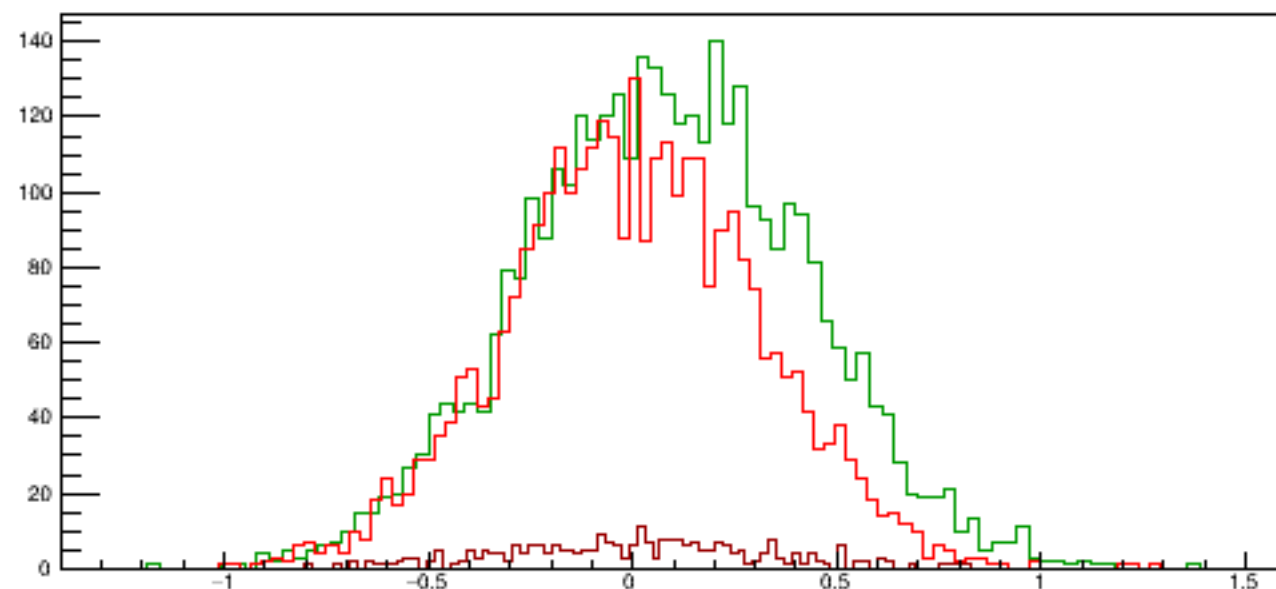
Std Dev: 0.3412 +/- 0.0039

Entries: 278

Mean: 0.0006 +/- 0.0190

Std Dev: 0.3174 +/- 0.0135

Run 4414 quartetwise, Diffs



## Cycle 12, Sums

Entries: 3305

Mean: 13.9623 +/- 0.0059

Std Dev: 0.3382 +/- 0.0042

Entries: 3752

Mean: 19.3073 +/- 0.0062

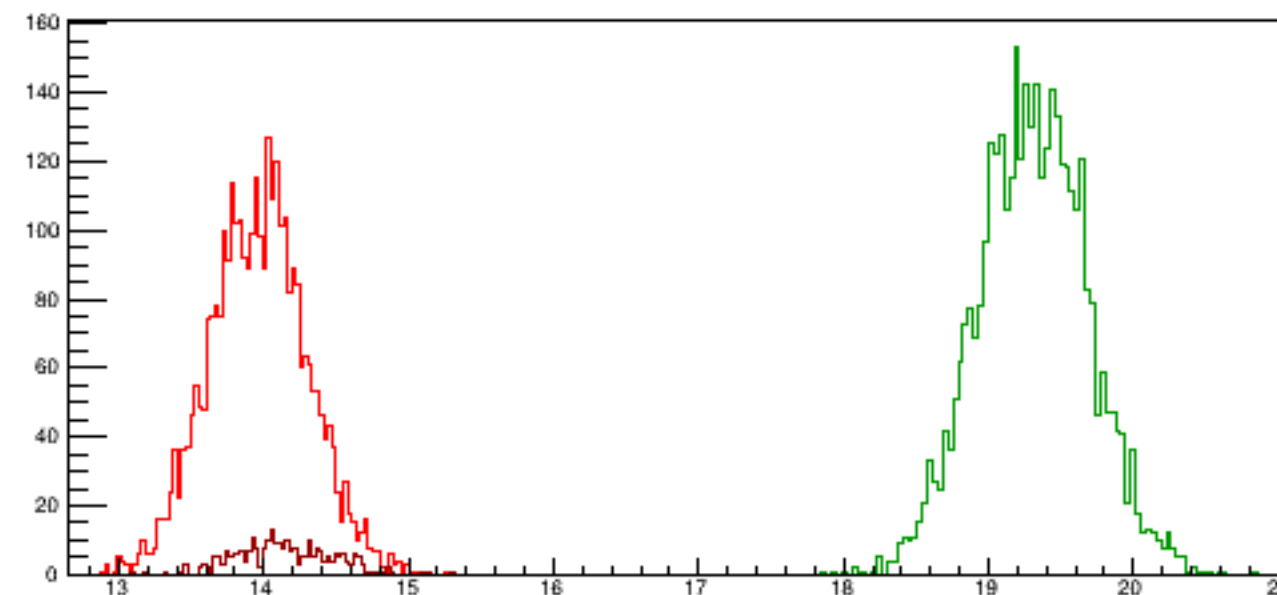
Std Dev: 0.3786 +/- 0.0044

Entries: 278

Mean: 14.1485 +/- 0.0206

Std Dev: 0.3433 +/- 0.0146

Run 4414 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=748164 && mpsCoda<=812539 && beamState==1)

## Cycle 12, Asyms

Entries: 3305

Mean: 0.0002 +/- 0.0010

Std Dev: 0.0587 +/- 0.0007

Entries: 3752

Mean: 0.0147 +/- 0.0011

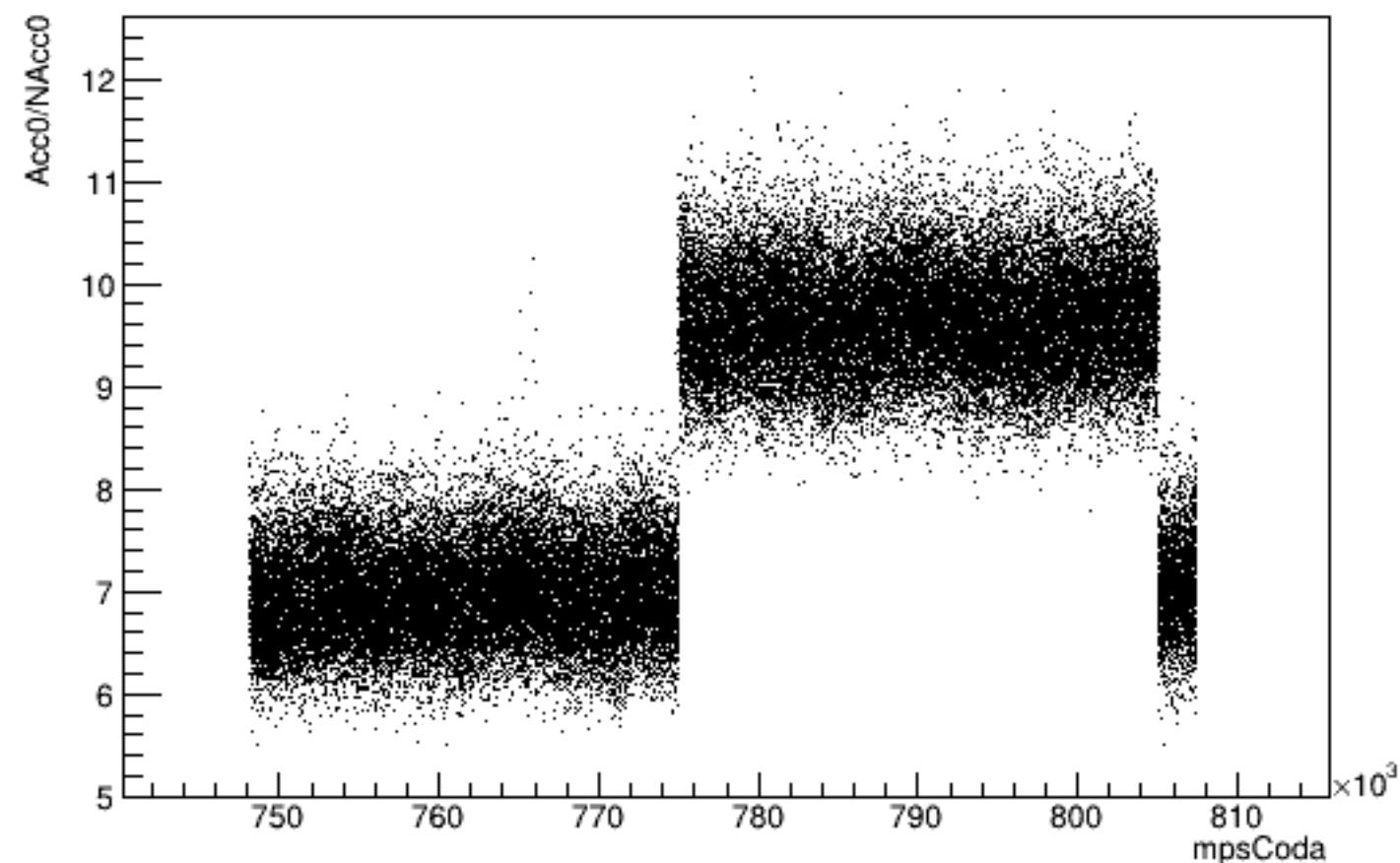
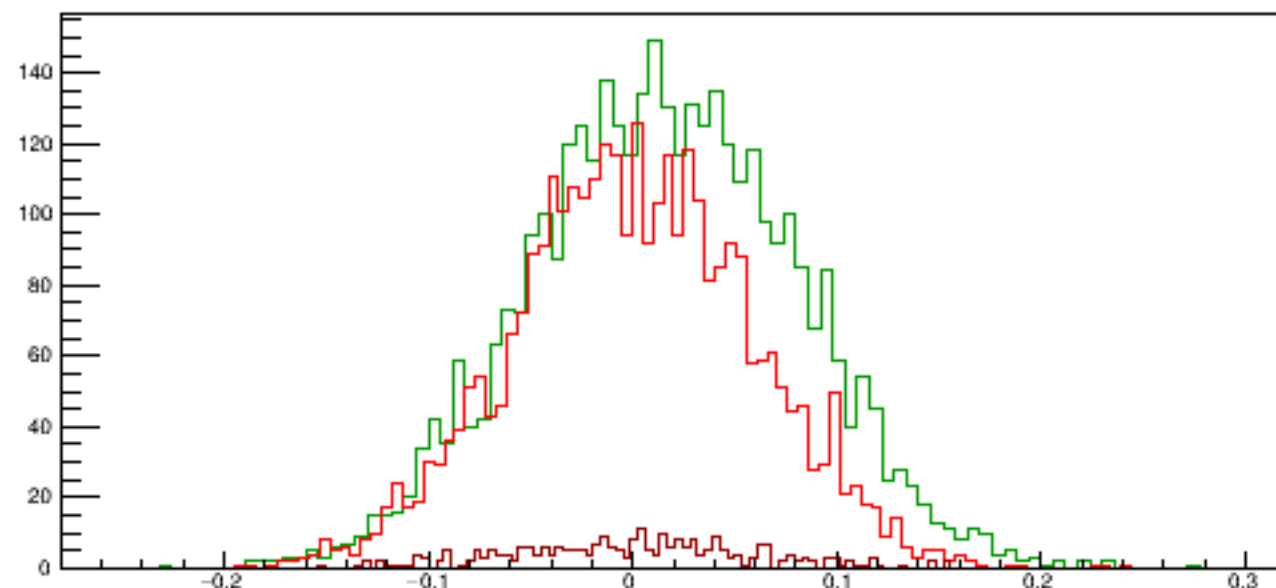
Std Dev: 0.0651 +/- 0.0008

Entries: 278

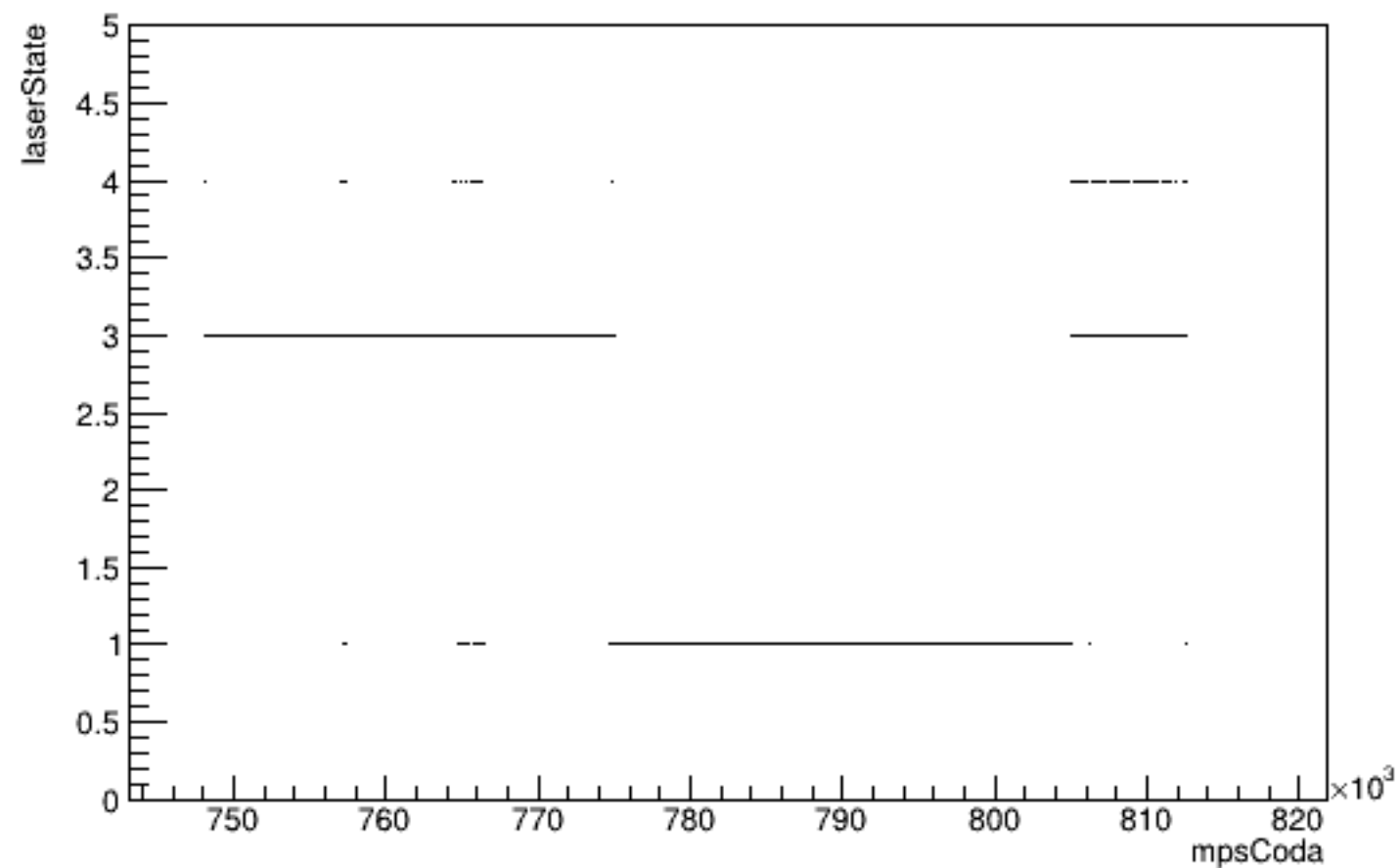
Mean: 0.0001 +/- 0.0036

Std Dev: 0.0604 +/- 0.0026

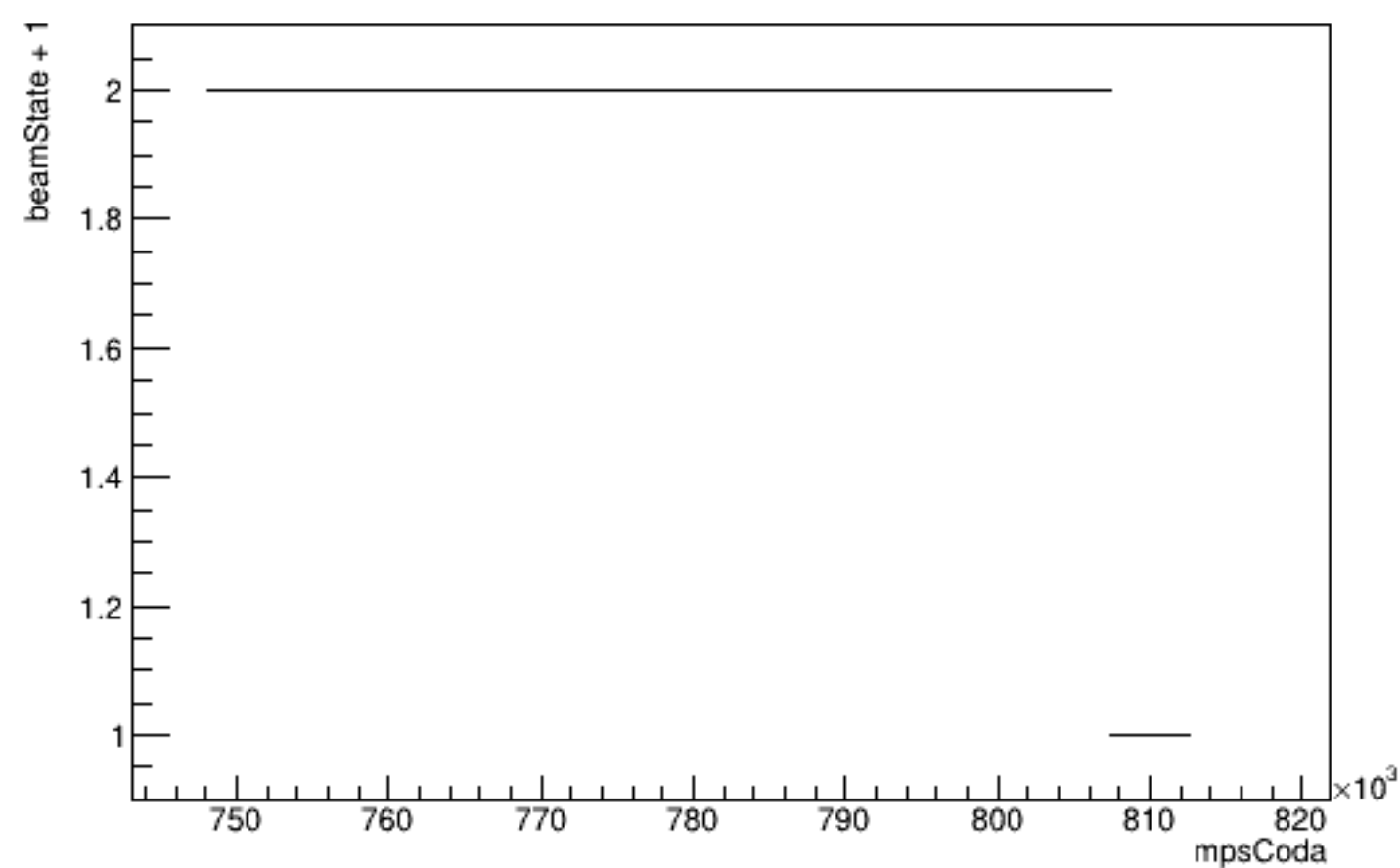
Run 4414 quartetwise, Asyms



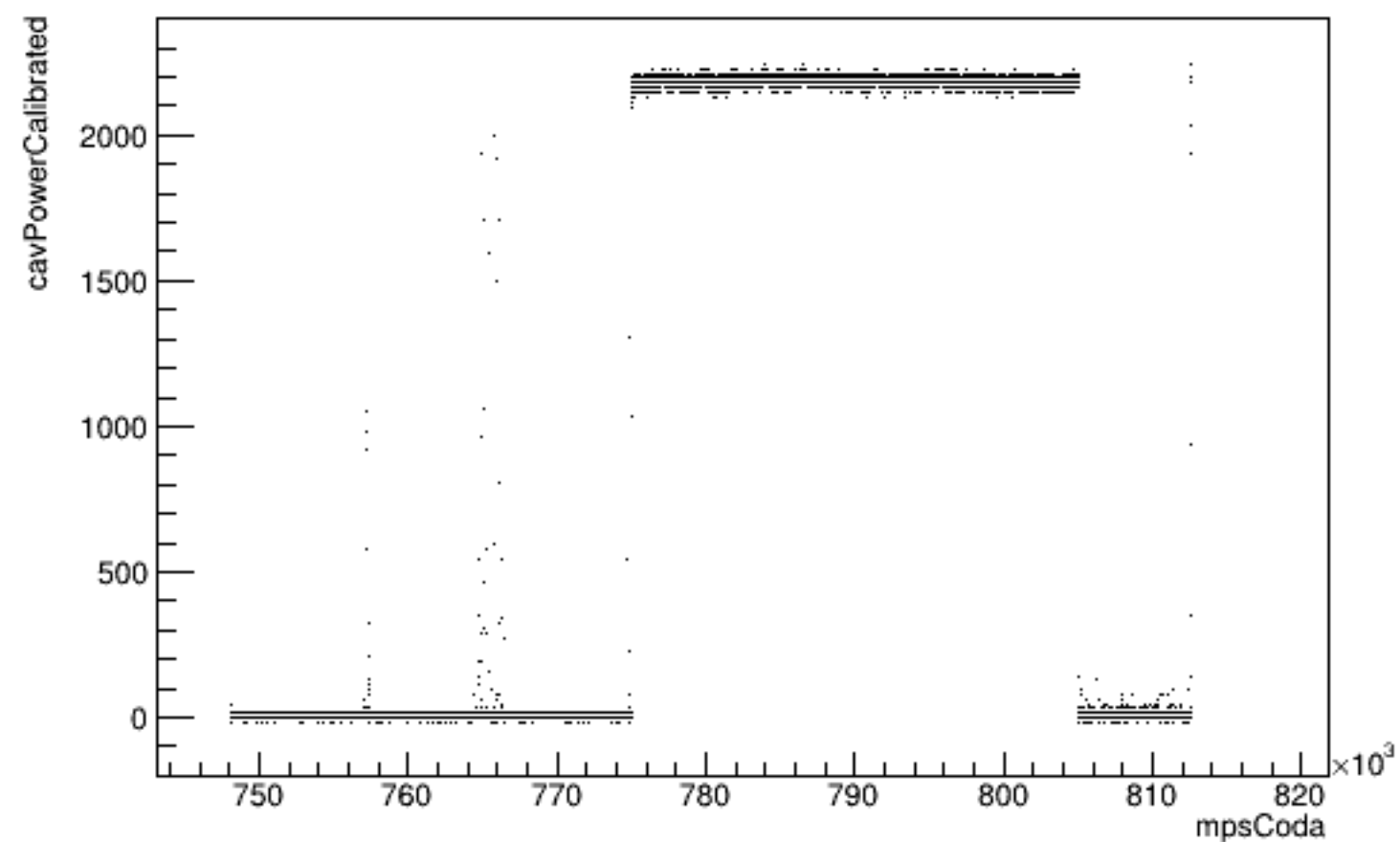
laserState:mpsCoda {mpsCoda&gt;=748164 &amp;&amp; mpsCoda&lt;=812539}



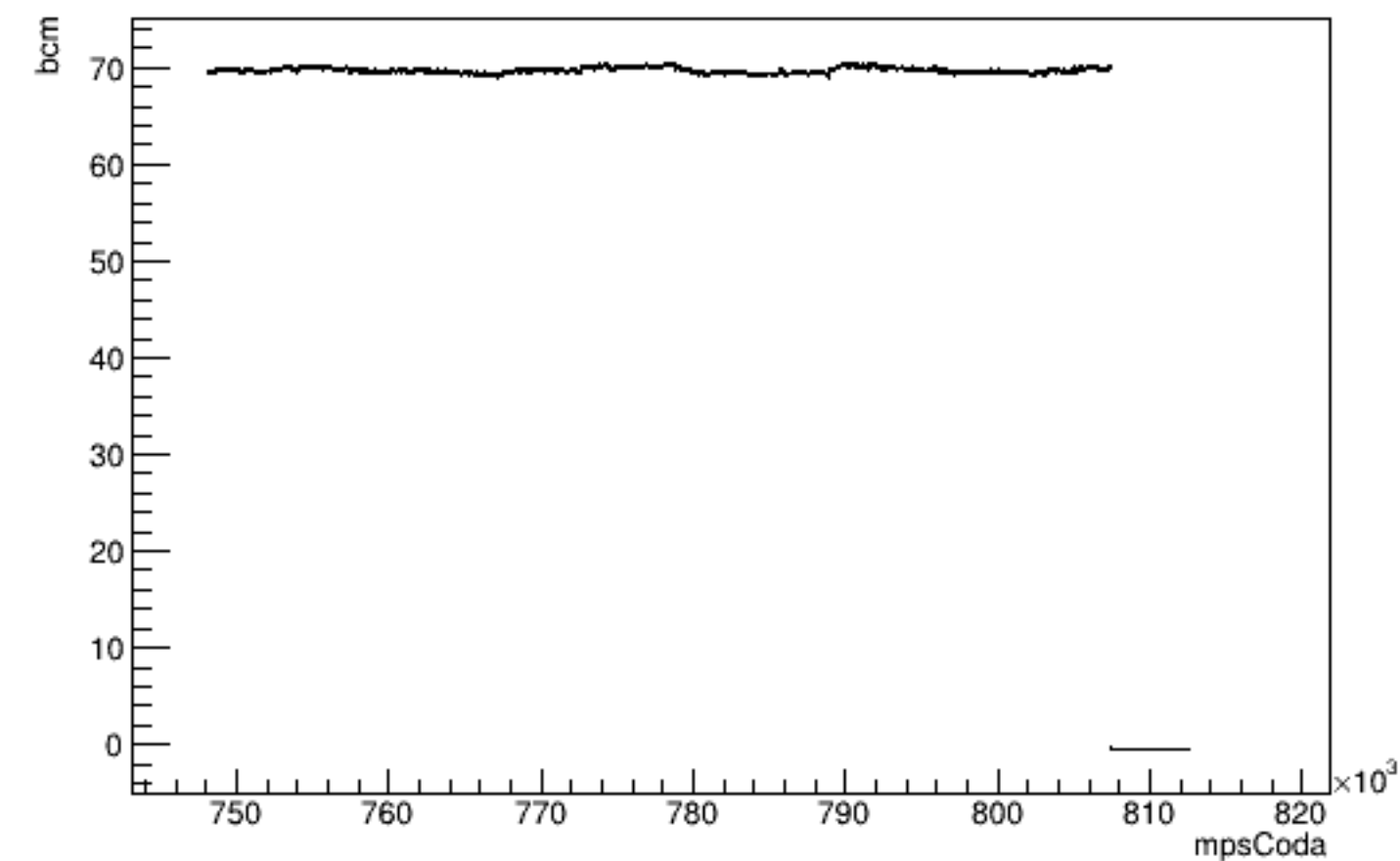
beamState + 1:mpsCoda {mpsCoda&gt;=748164 &amp;&amp; mpsCoda&lt;=812539}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=748164 &amp;&amp; mpsCoda&lt;=812539}



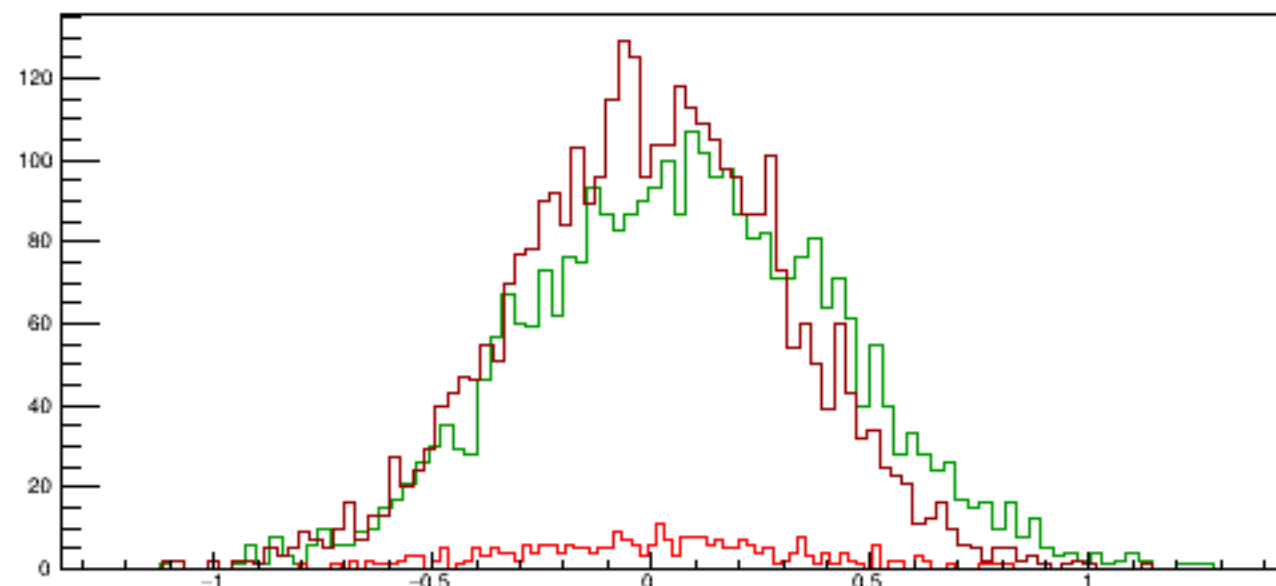
bcm:mpsCoda {mpsCoda&gt;=748164 &amp;&amp; mpsCoda&lt;=812539}



## Cycle 13, Diffs

| Entries: 278               | Entries: 3110              | Entries: 3449              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0006 +/- 0.0190    | Mean: 0.0731 +/- 0.0063    | Mean: -0.0043 +/- 0.0054   |
| Std Dev: 0.3174 +/- 0.0135 | Std Dev: 0.3535 +/- 0.0045 | Std Dev: 0.3144 +/- 0.0038 |

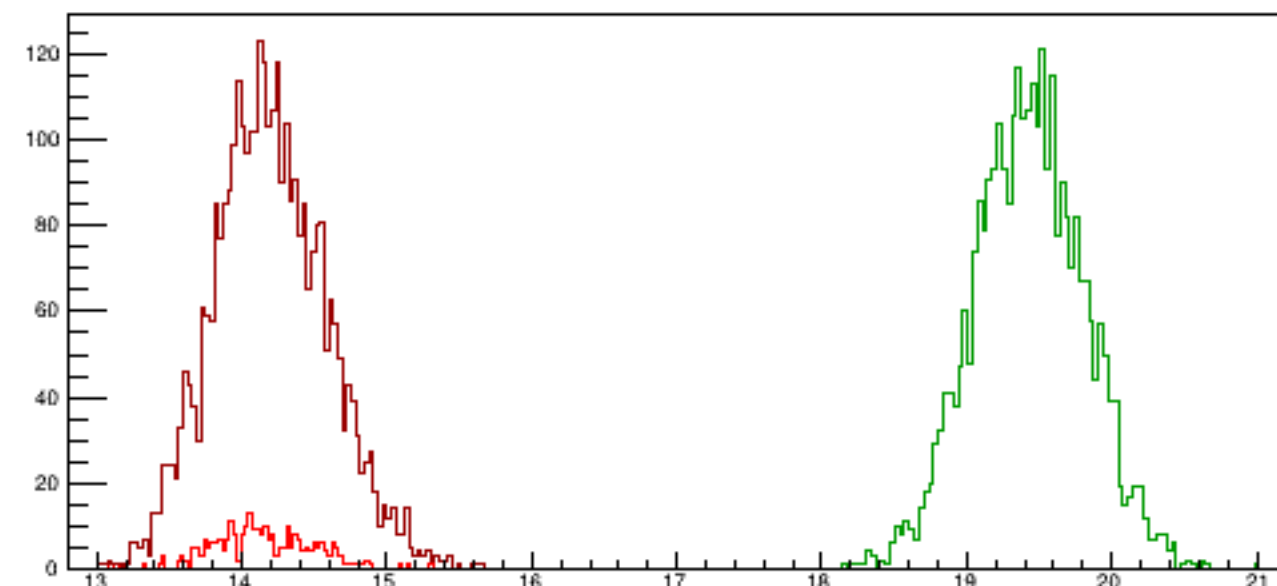
Run 4414 quartetwise, Diffs



## Cycle 13, Sums

| Entries: 278               | Entries: 3110              | Entries: 3449              |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.1485 +/- 0.0206   | Mean: 19.4302 +/- 0.0068   | Mean: 14.1957 +/- 0.0066   |
| Std Dev: 0.3433 +/- 0.0146 | Std Dev: 0.3786 +/- 0.0048 | Std Dev: 0.3879 +/- 0.0047 |

Run 4414 quartetwise, Sums

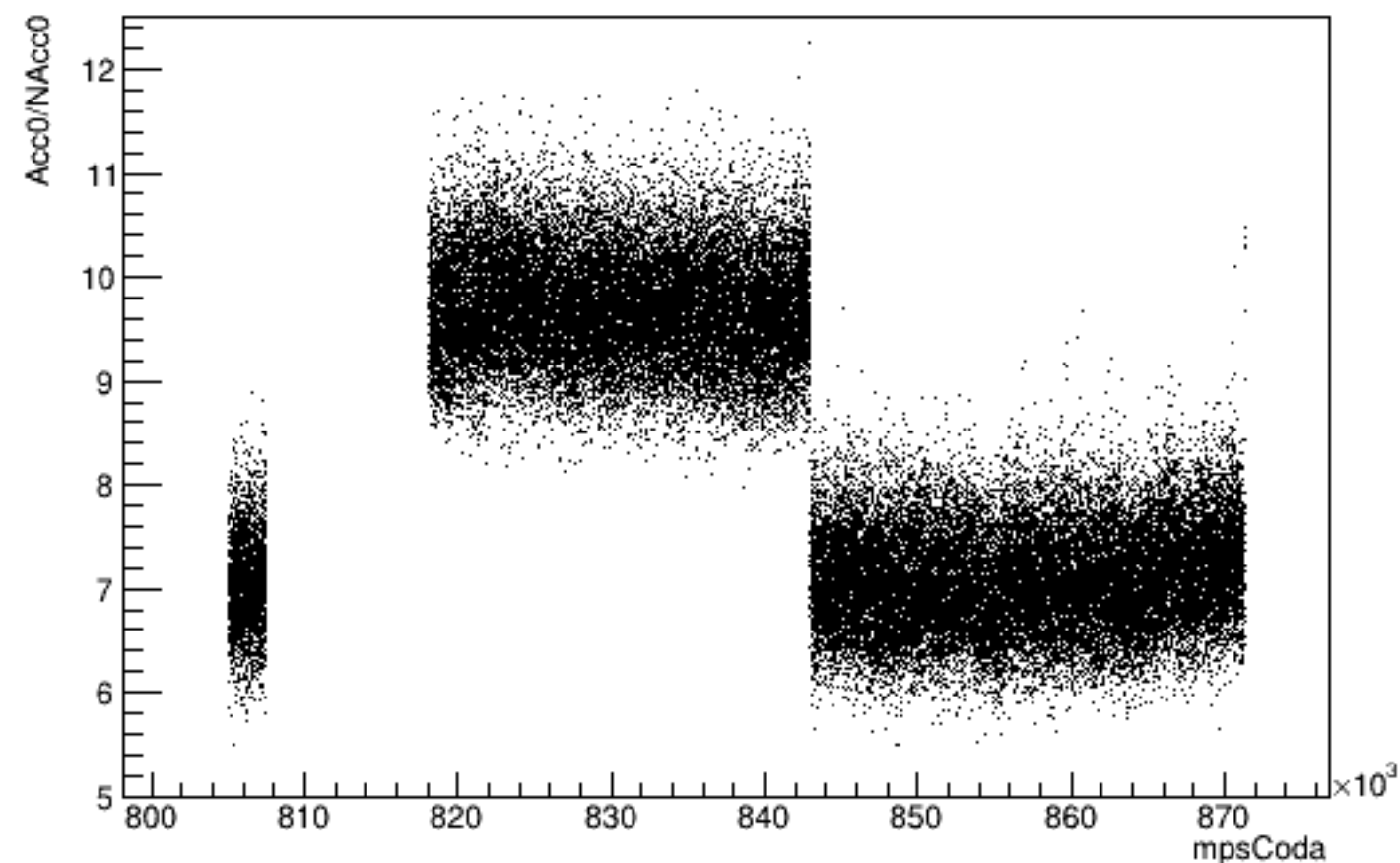
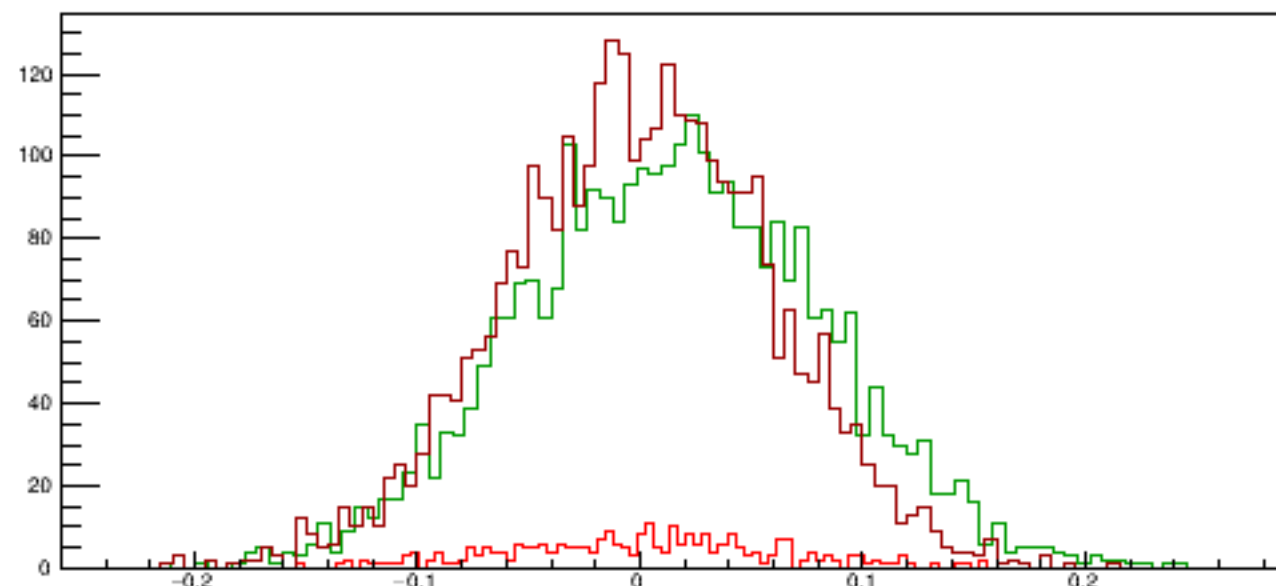


Acc0/NAcc0:mpsCoda (mpsCoda>=805028 && mpsCoda<=871307 && beamState==1)

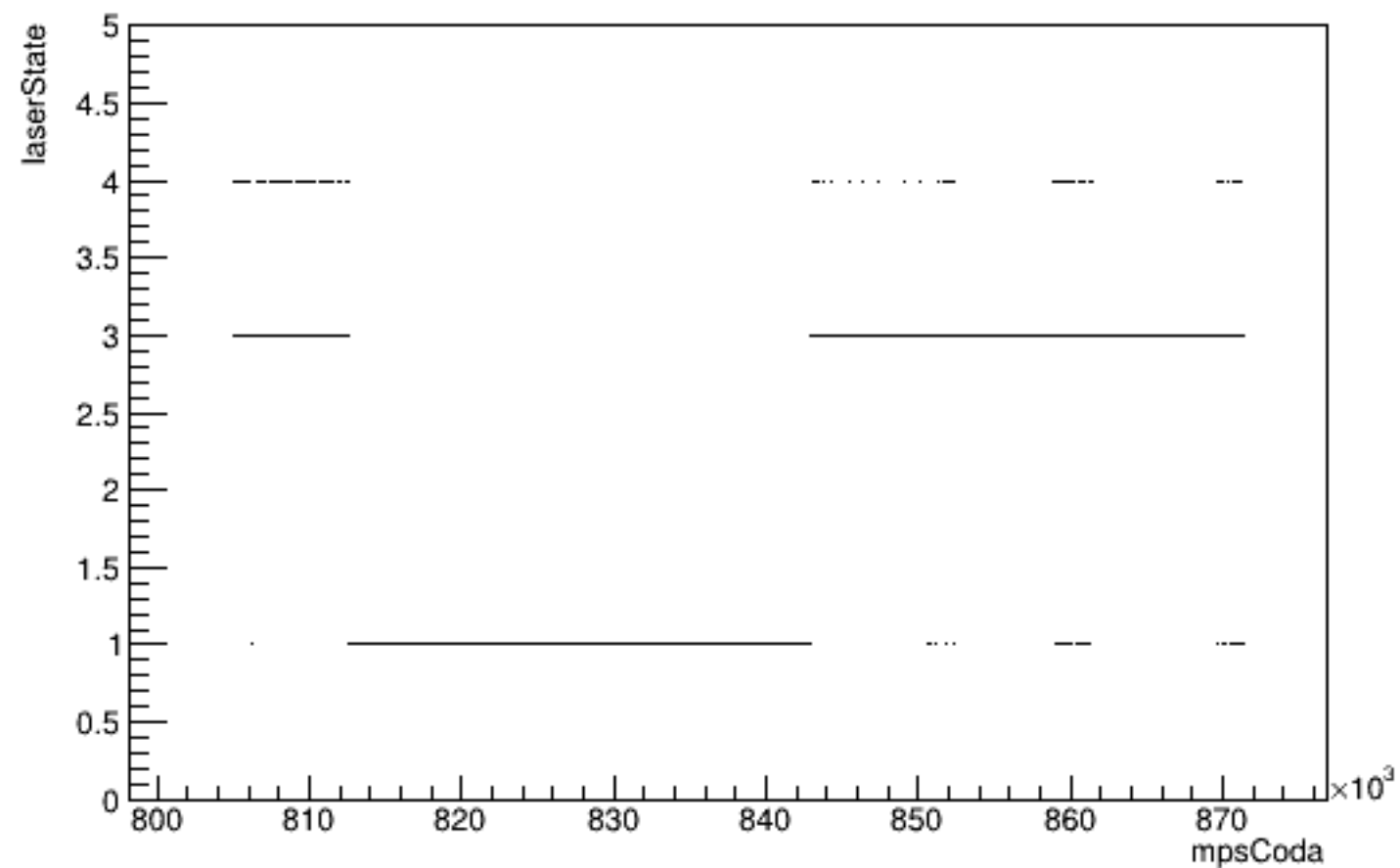
## Cycle 13, Asyms

| Entries: 278               | Entries: 3110              | Entries: 3449              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0001 +/- 0.0036    | Mean: 0.0140 +/- 0.0012    | Mean: -0.0008 +/- 0.0010   |
| Std Dev: 0.0604 +/- 0.0026 | Std Dev: 0.0674 +/- 0.0009 | Std Dev: 0.0598 +/- 0.0007 |

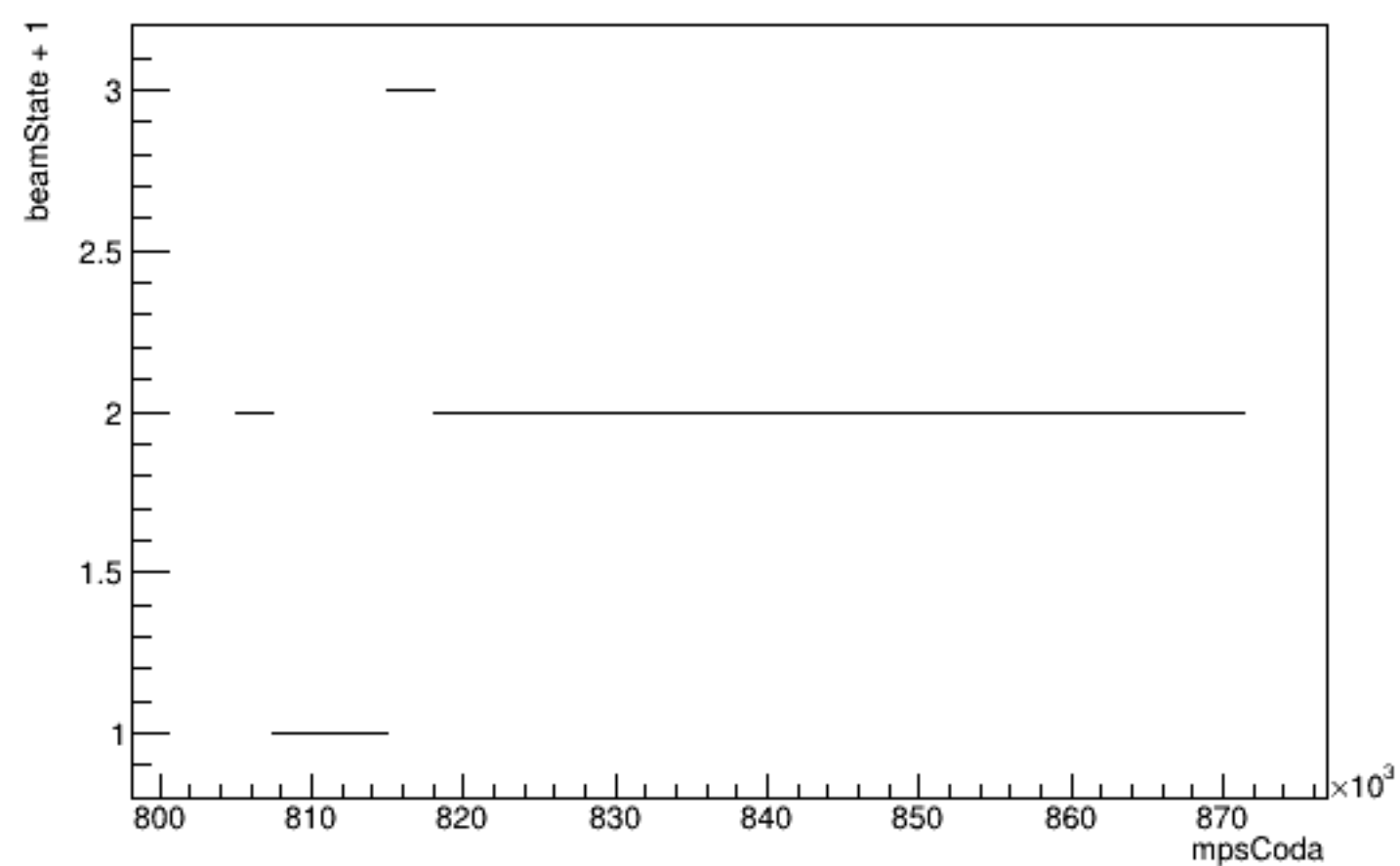
Run 4414 quartetwise, Asyms



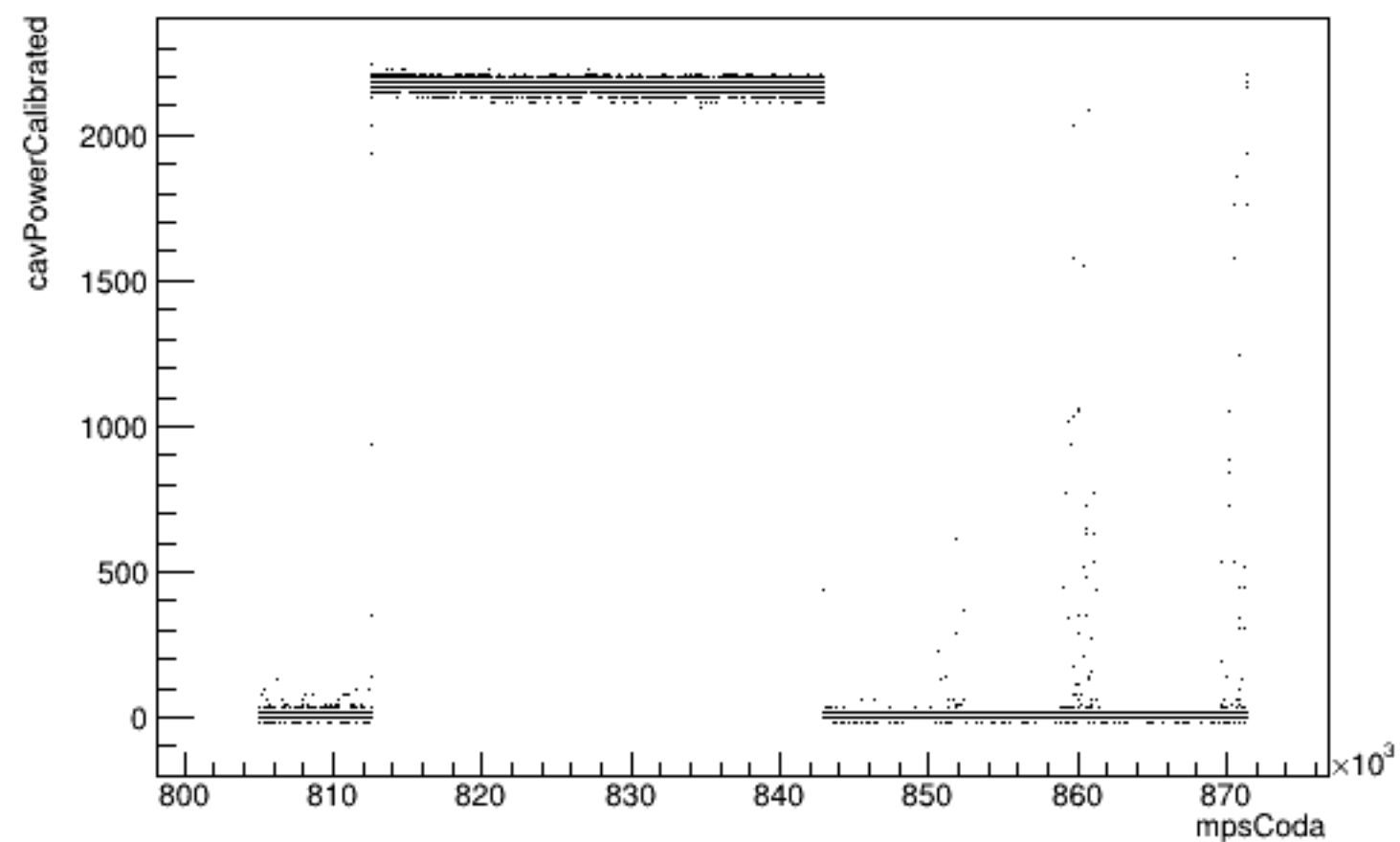
laserState:mpsCoda {mpsCoda&gt;=805028 &amp;&amp; mpsCoda&lt;=871307}



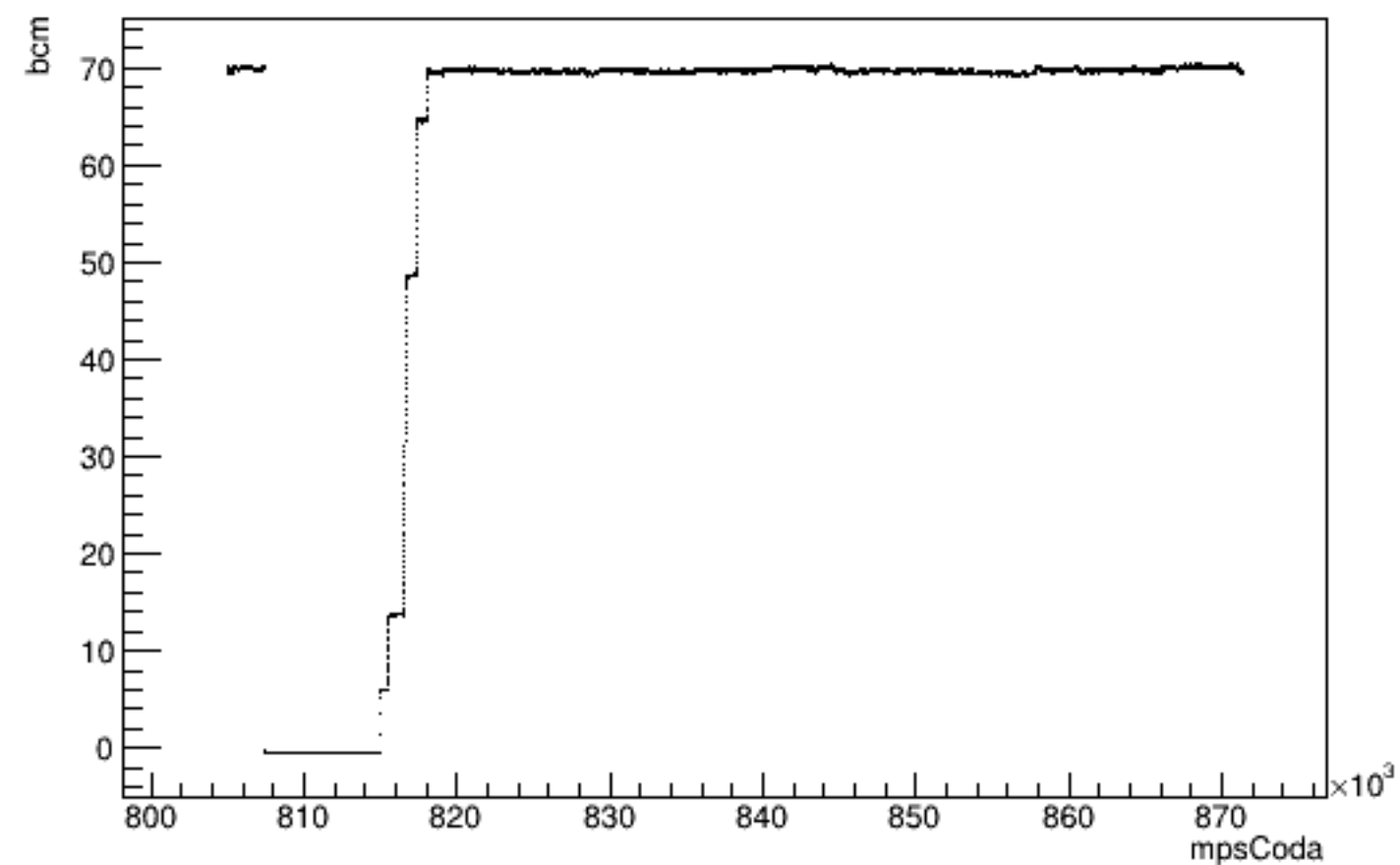
beamState + 1:mpsCoda {mpsCoda&gt;=805028 &amp;&amp; mpsCoda&lt;=871307}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=805028 &amp;&amp; mpsCoda&lt;=871307}



bcm:mpsCoda {mpsCoda&gt;=805028 &amp;&amp; mpsCoda&lt;=871307}



## Cycle 14, Diffs

Entries: 3449

Mean: -0.0043 +/- 0.0054

Std Dev: 0.3144 +/- 0.0038

Entries: 3687

Mean: 0.0855 +/- 0.0058

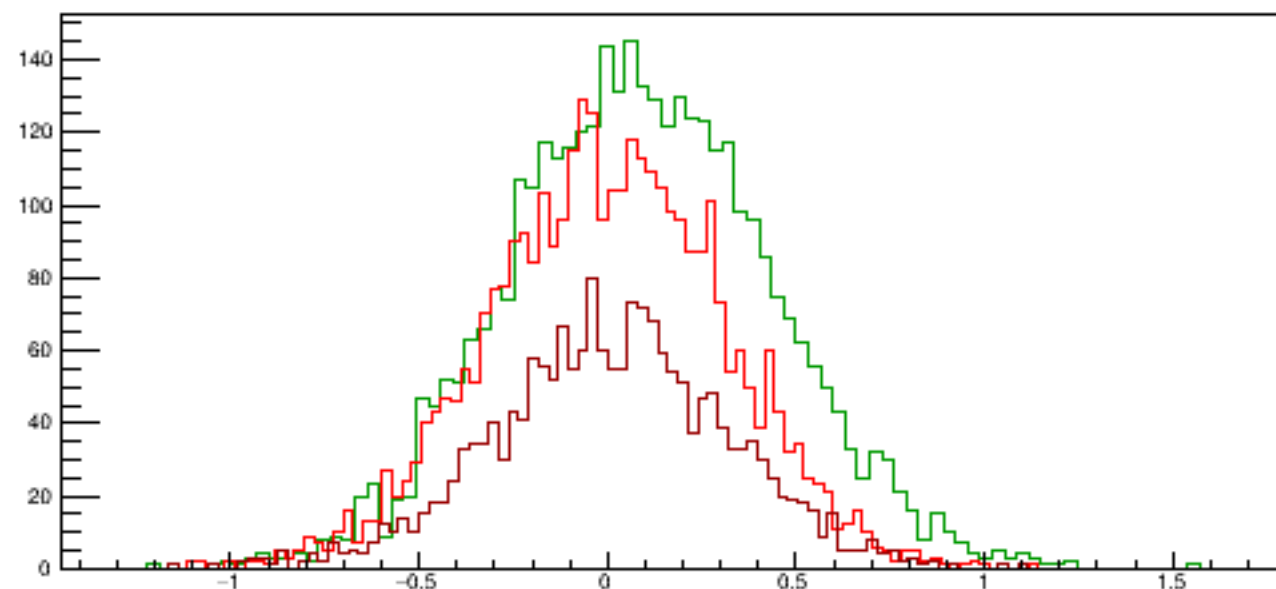
Std Dev: 0.3504 +/- 0.0041

Entries: 1869

Mean: 0.0084 +/- 0.0072

Std Dev: 0.3134 +/- 0.0051

Run 4414 quartetwise, Diffs



## Cycle 14, Sums

Entries: 3449

Mean: 14.1957 +/- 0.0066

Std Dev: 0.3879 +/- 0.0047

Entries: 3687

Mean: 19.3915 +/- 0.0066

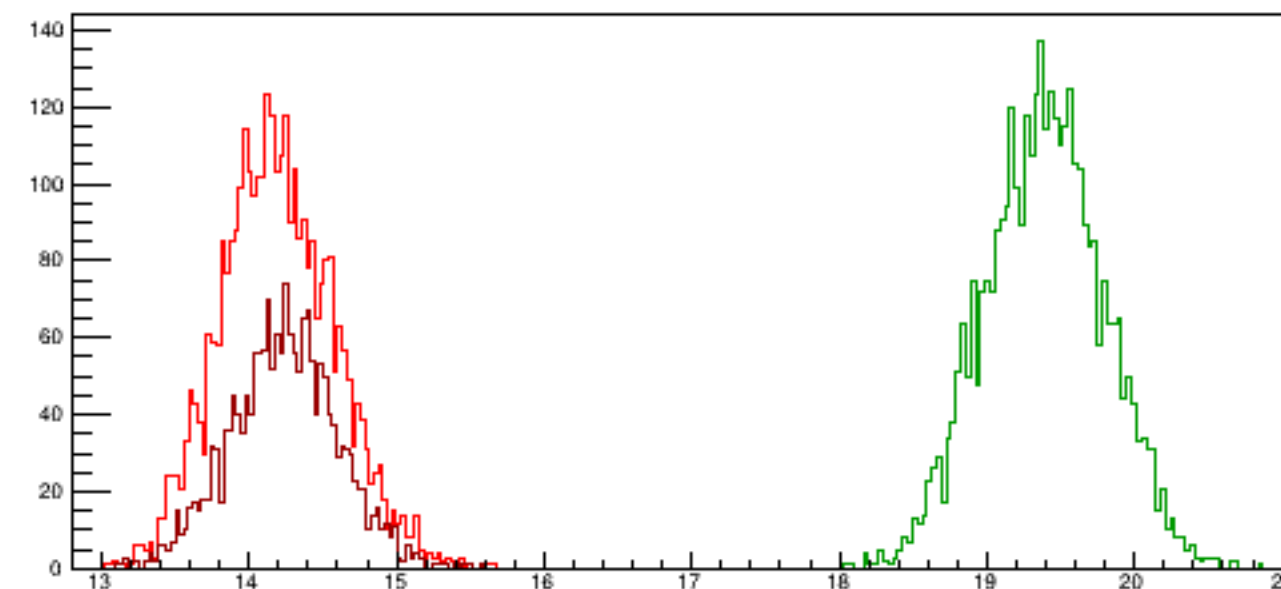
Std Dev: 0.4034 +/- 0.0047

Entries: 1869

Mean: 14.2346 +/- 0.0084

Std Dev: 0.3652 +/- 0.0060

Run 4414 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=842972 && mpsCoda<=916587 && beamState==1)

## Cycle 14, Asyms

Entries: 3449

Mean: -0.0008 +/- 0.0010

Std Dev: 0.0607 +/- 0.0007

Entries: 3687

Mean: 0.0166 +/- 0.0011

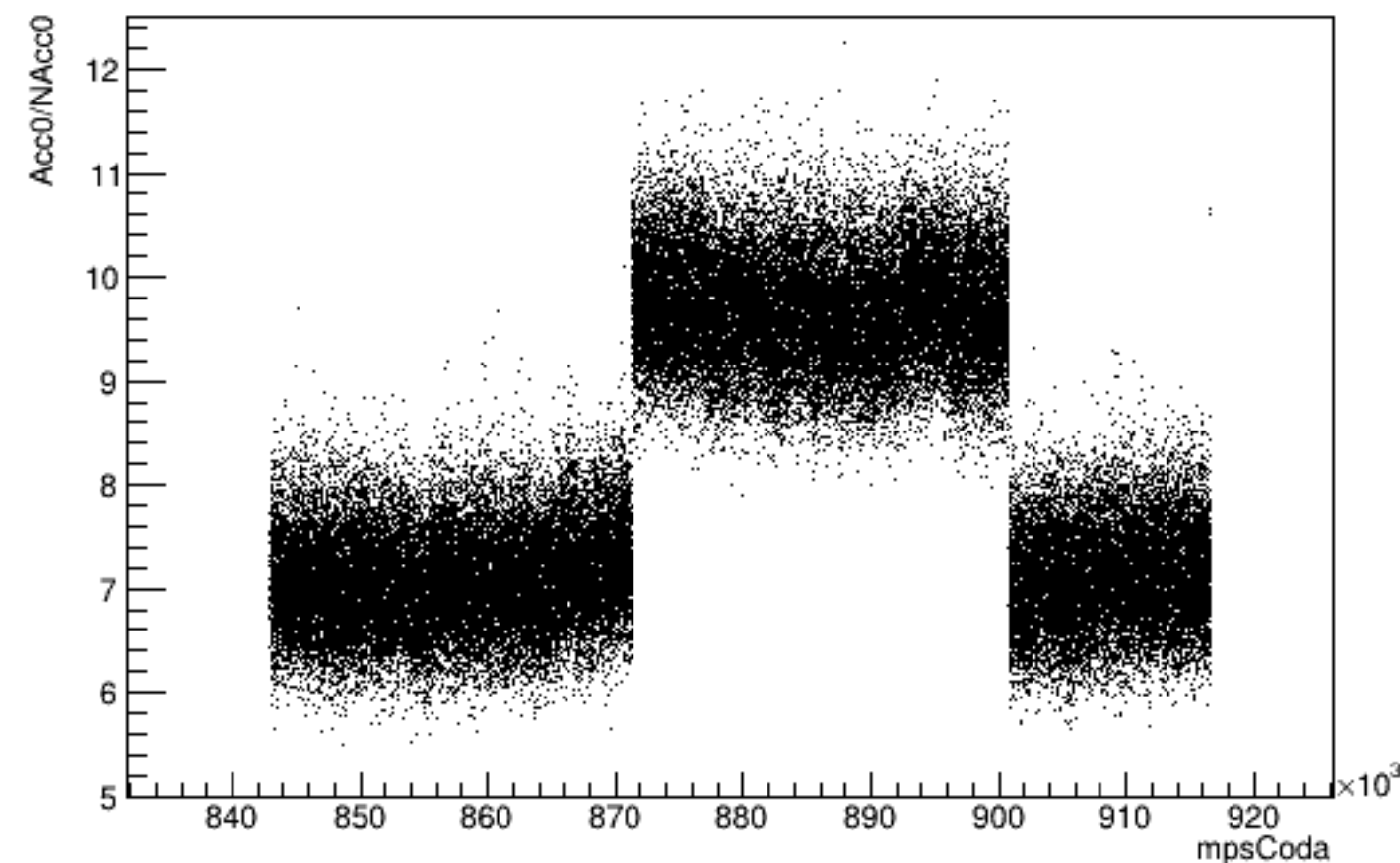
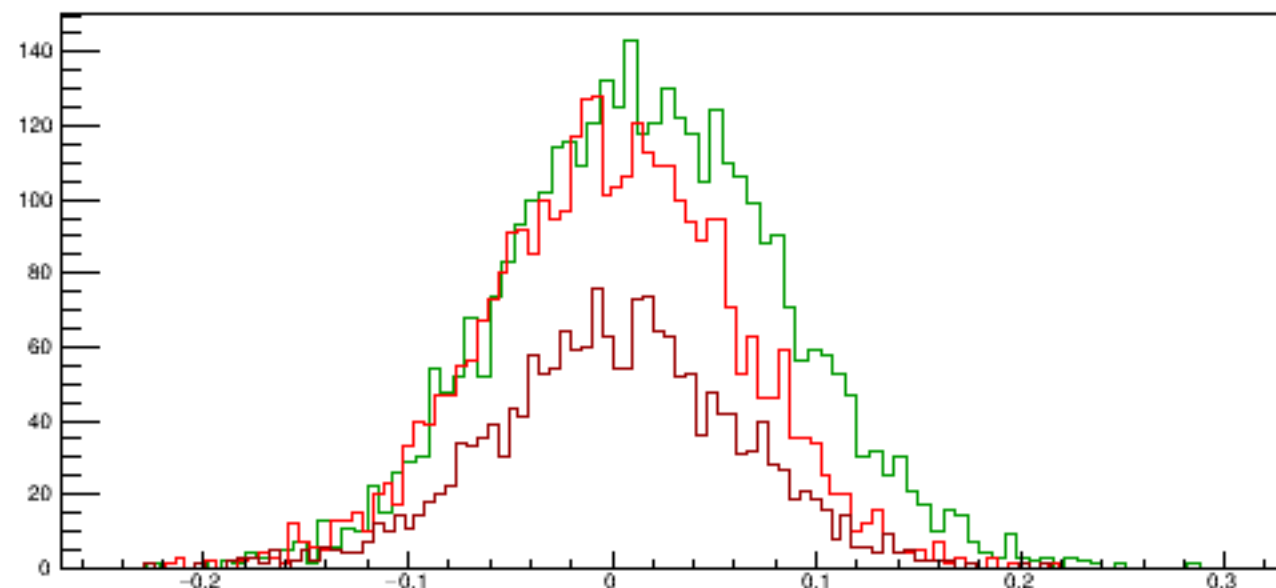
Std Dev: 0.0679 +/- 0.0008

Entries: 1869

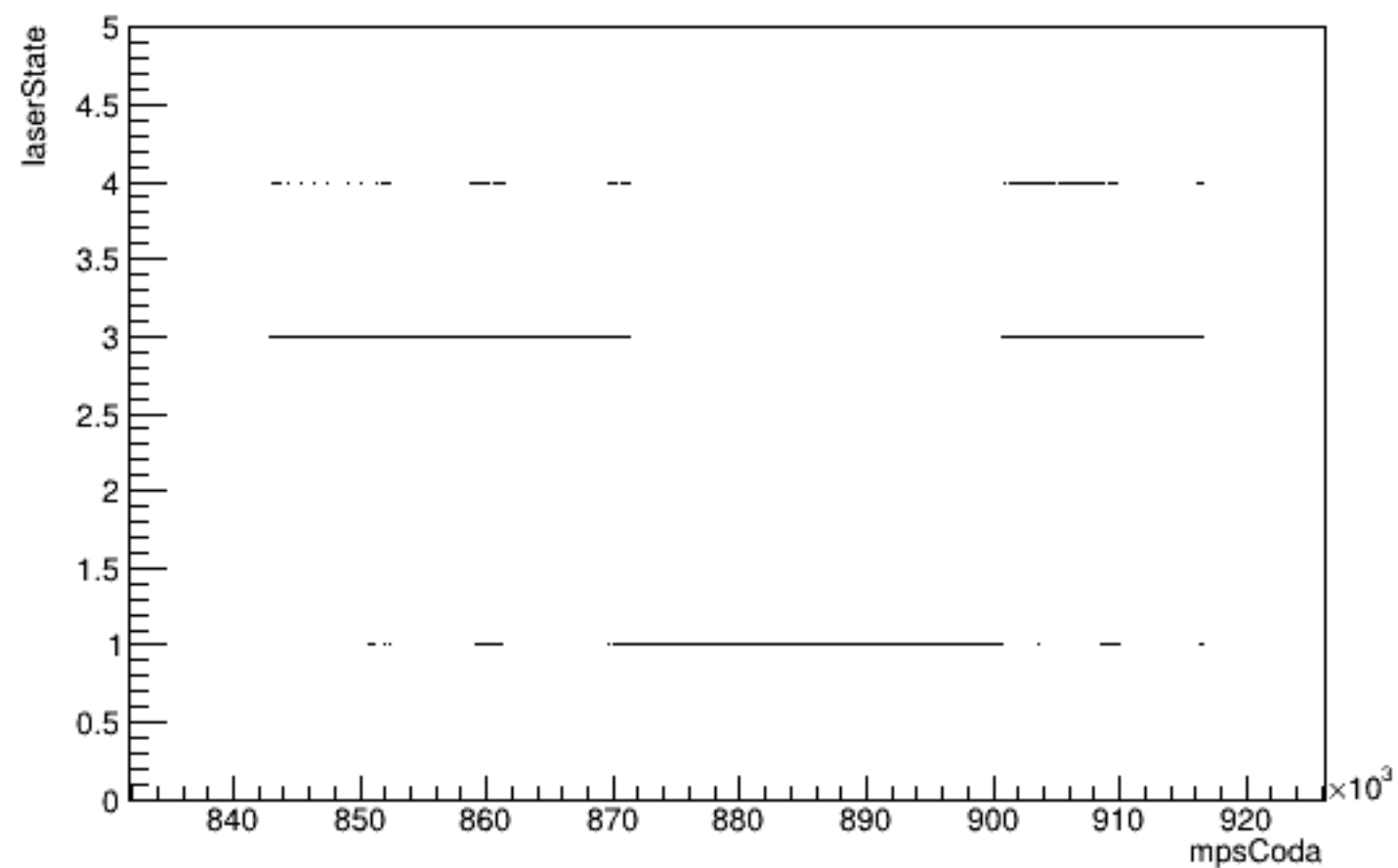
Mean: 0.0016 +/- 0.0014

Std Dev: 0.0605 +/- 0.0010

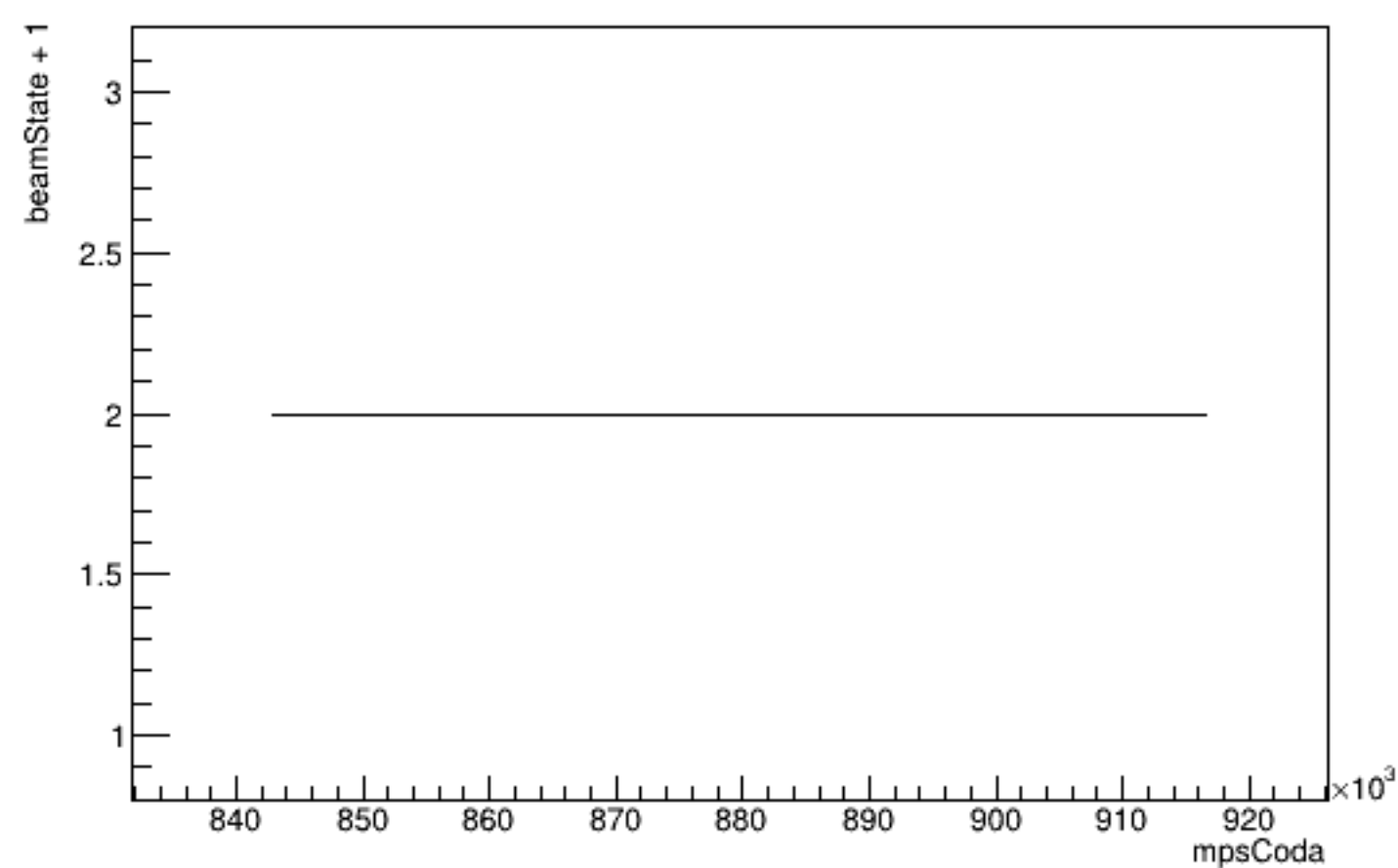
Run 4414 quartetwise, Asyms



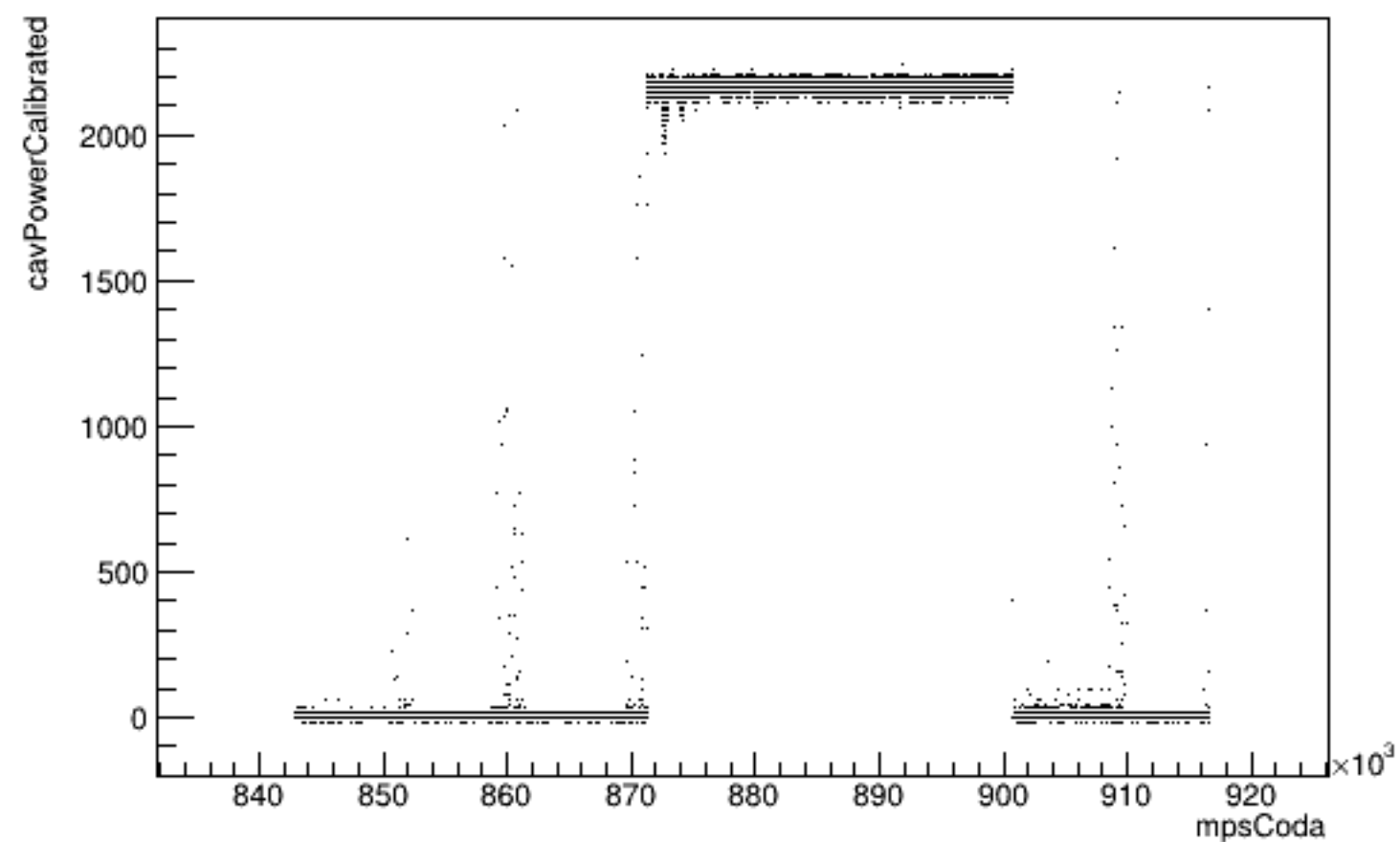
laserState:mpsCoda {mpsCoda&gt;=842972 &amp;&amp; mpsCoda&lt;=916587}



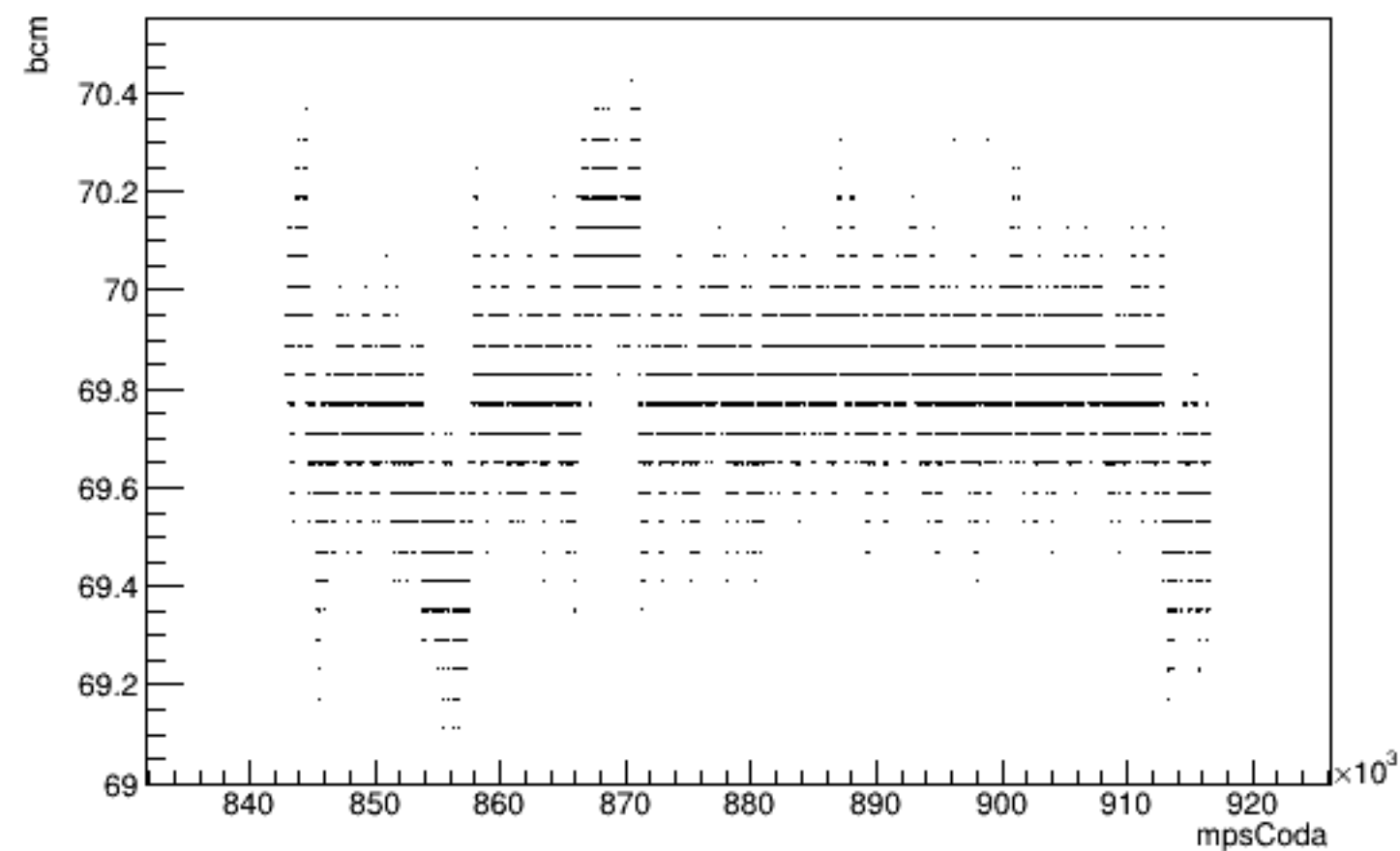
beamState + 1:mpsCoda {mpsCoda&gt;=842972 &amp;&amp; mpsCoda&lt;=916587}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=842972 &amp;&amp; mpsCoda&lt;=916587}



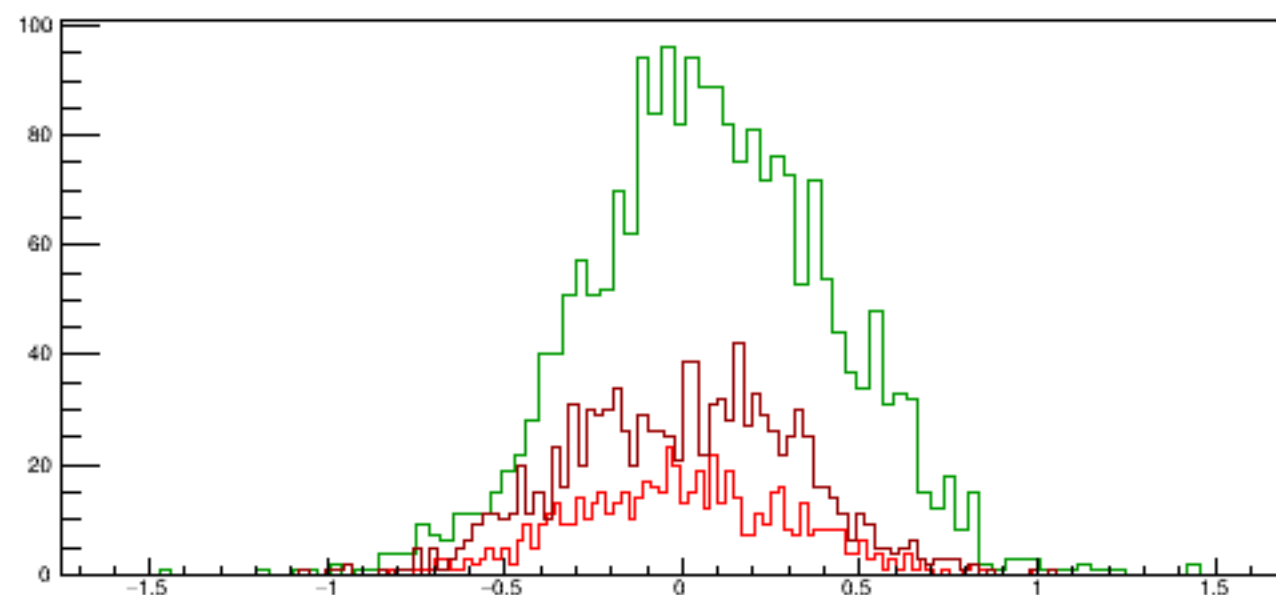
bcm:mpsCoda {mpsCoda&gt;=842972 &amp;&amp; mpsCoda&lt;=916587}



## Cycle 15, Diffs

| Entries: 612               | Entries: 2197              | Entries: 1105              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0012 +/- 0.0124   | Mean: 0.0793 +/- 0.0074    | Mean: -0.0008 +/- 0.0097   |
| Std Dev: 0.3070 +/- 0.0088 | Std Dev: 0.3467 +/- 0.0052 | Std Dev: 0.3226 +/- 0.0069 |

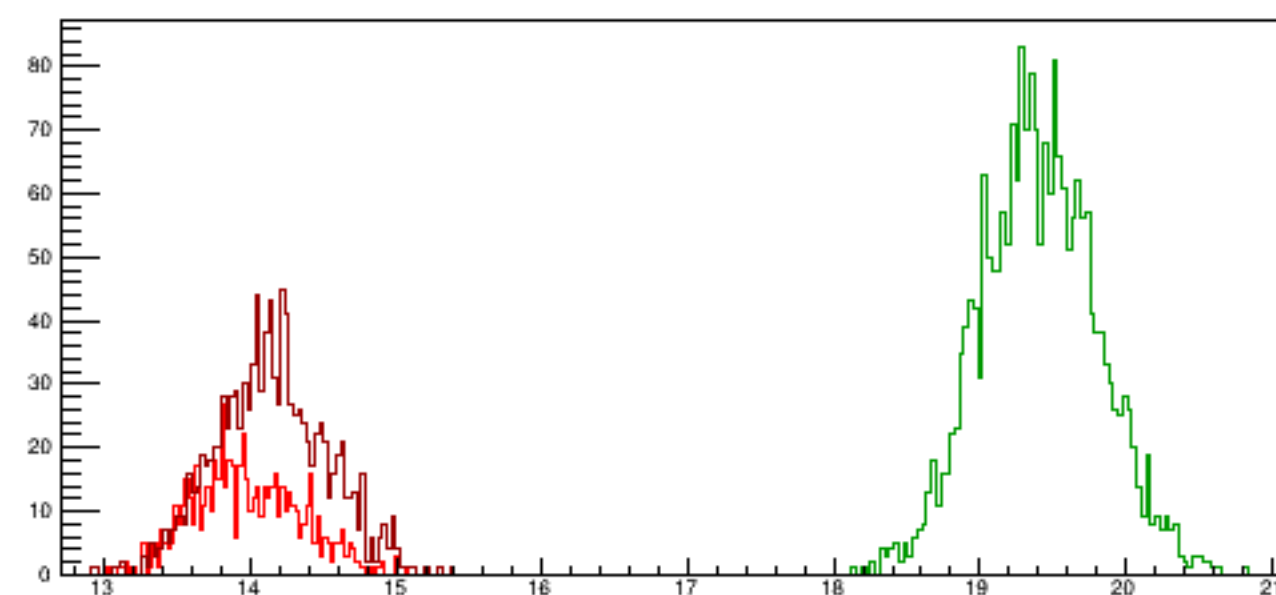
Run 4414 quartetwise, Diffs



## Cycle 15, Sums

| Entries: 612               | Entries: 2197              | Entries: 1105              |
|----------------------------|----------------------------|----------------------------|
| Mean: 13.9857 +/- 0.0147   | Mean: 19.4097 +/- 0.0085   | Mean: 14.1415 +/- 0.0114   |
| Std Dev: 0.3643 +/- 0.0104 | Std Dev: 0.4007 +/- 0.0060 | Std Dev: 0.3788 +/- 0.0081 |

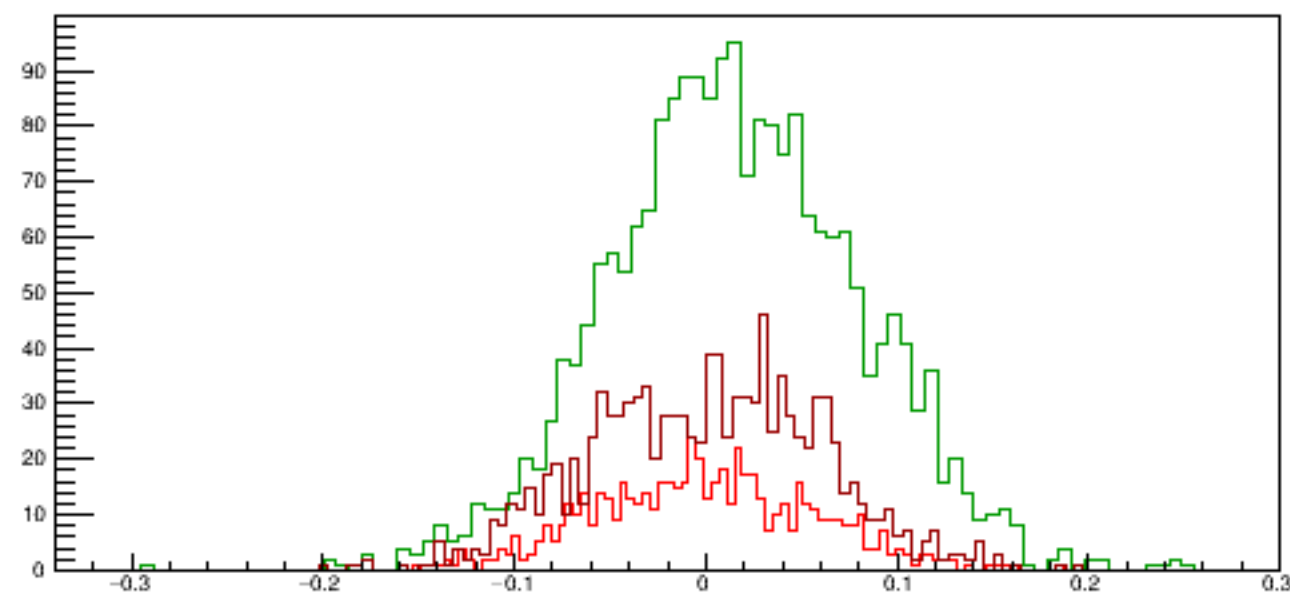
Run 4414 quartetwise, Sums



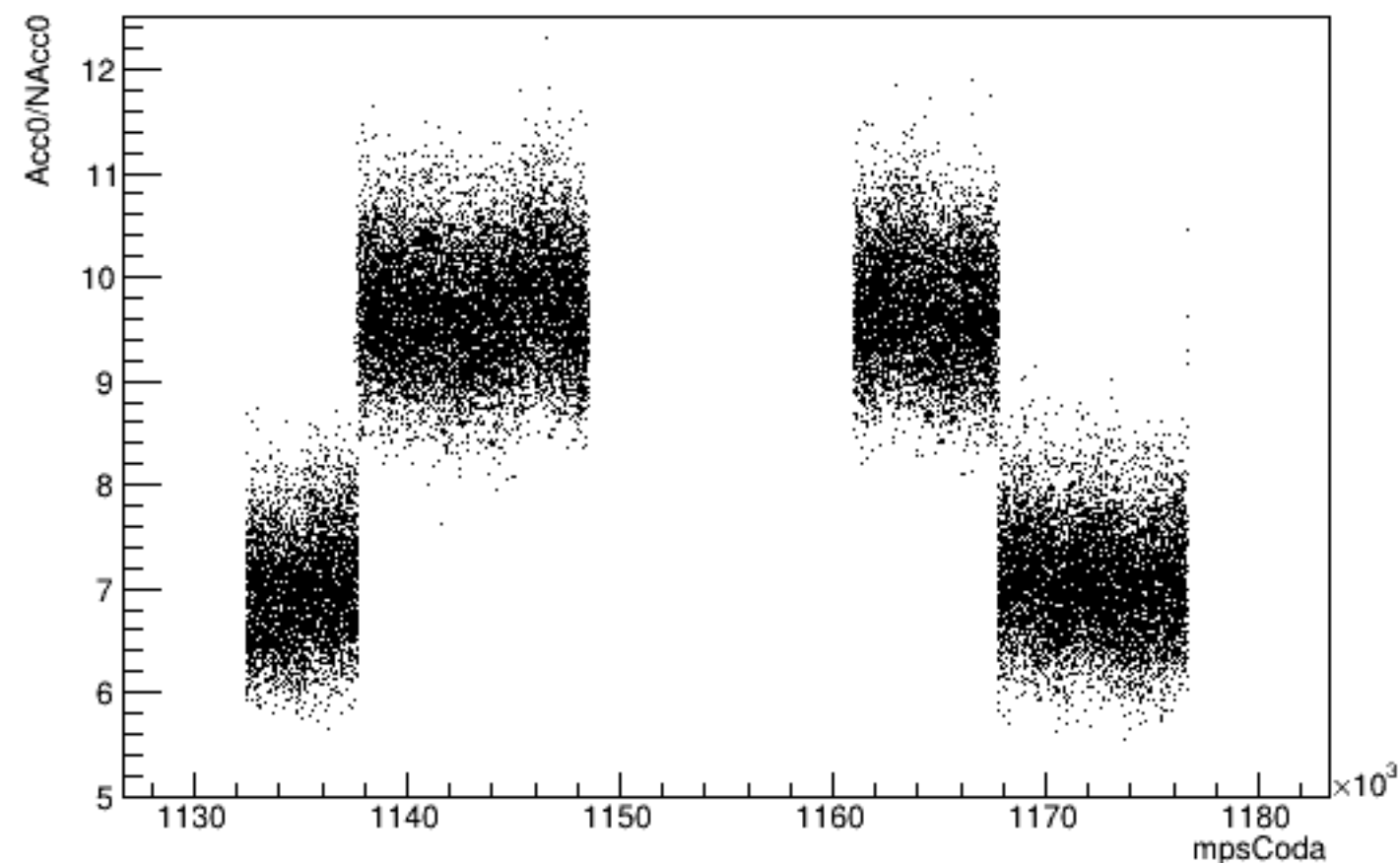
## Cycle 15, Asyms

| Entries: 612               | Entries: 2197              | Entries: 1105              |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0002 +/- 0.0023   | Mean: 0.0149 +/- 0.0014    | Mean: -0.0001 +/- 0.0018   |
| Std Dev: 0.0574 +/- 0.0016 | Std Dev: 0.0650 +/- 0.0010 | Std Dev: 0.0603 +/- 0.0013 |

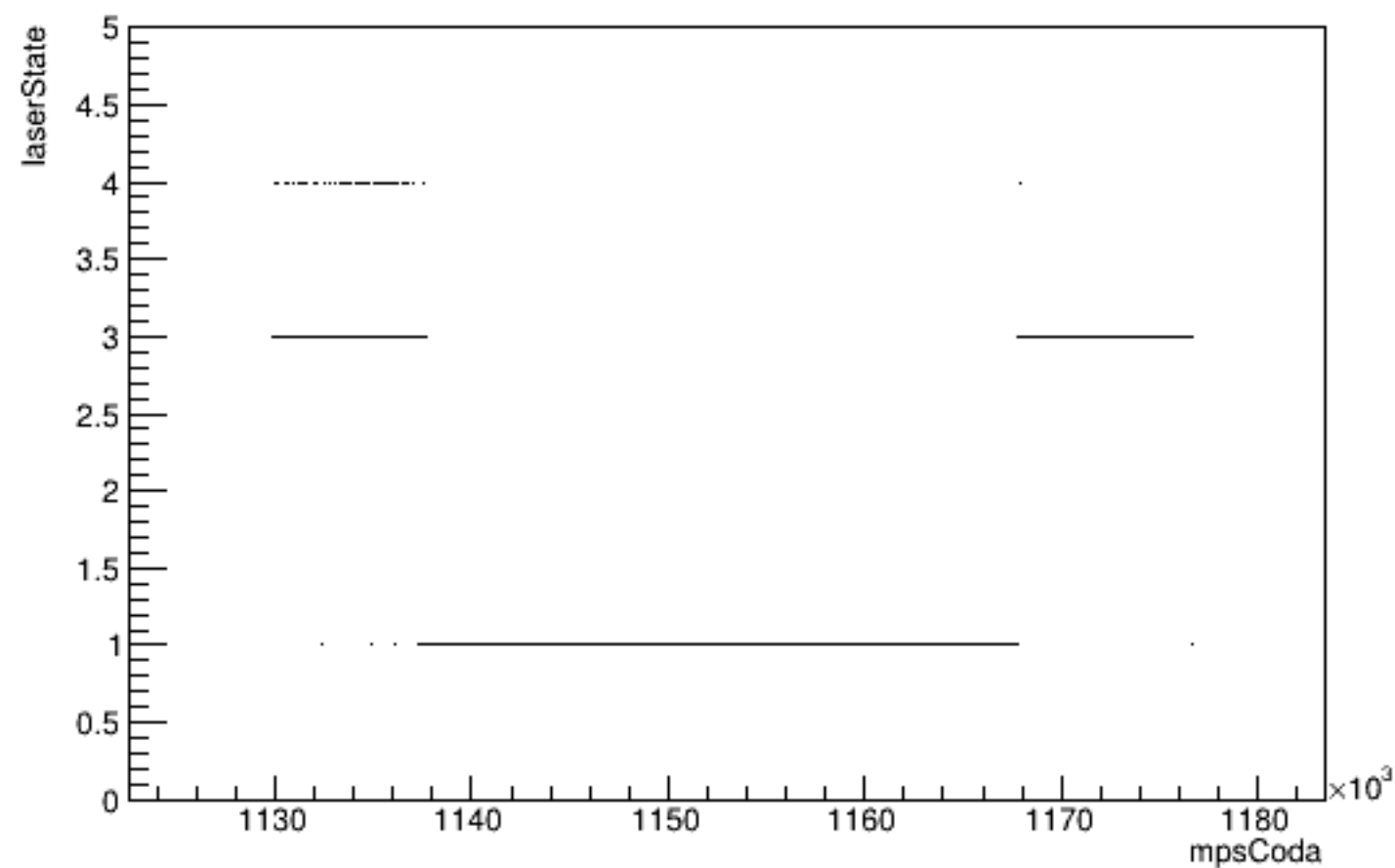
Run 4414 quartetwise, Asyms



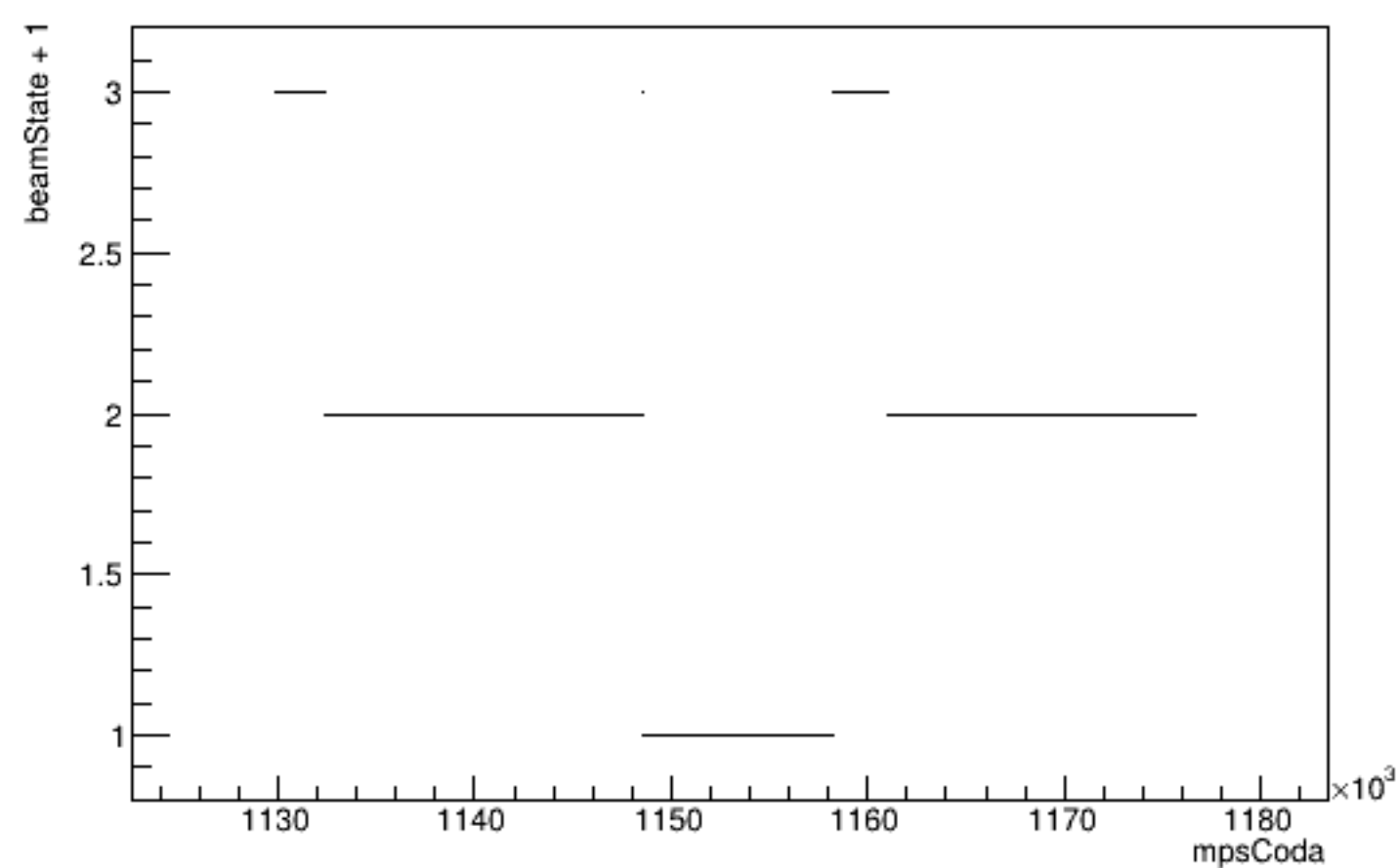
Acc0/NAcc0:mpsCoda (mpsCoda>=1129836 && mpsCoda<=1176635 && beamState==1)



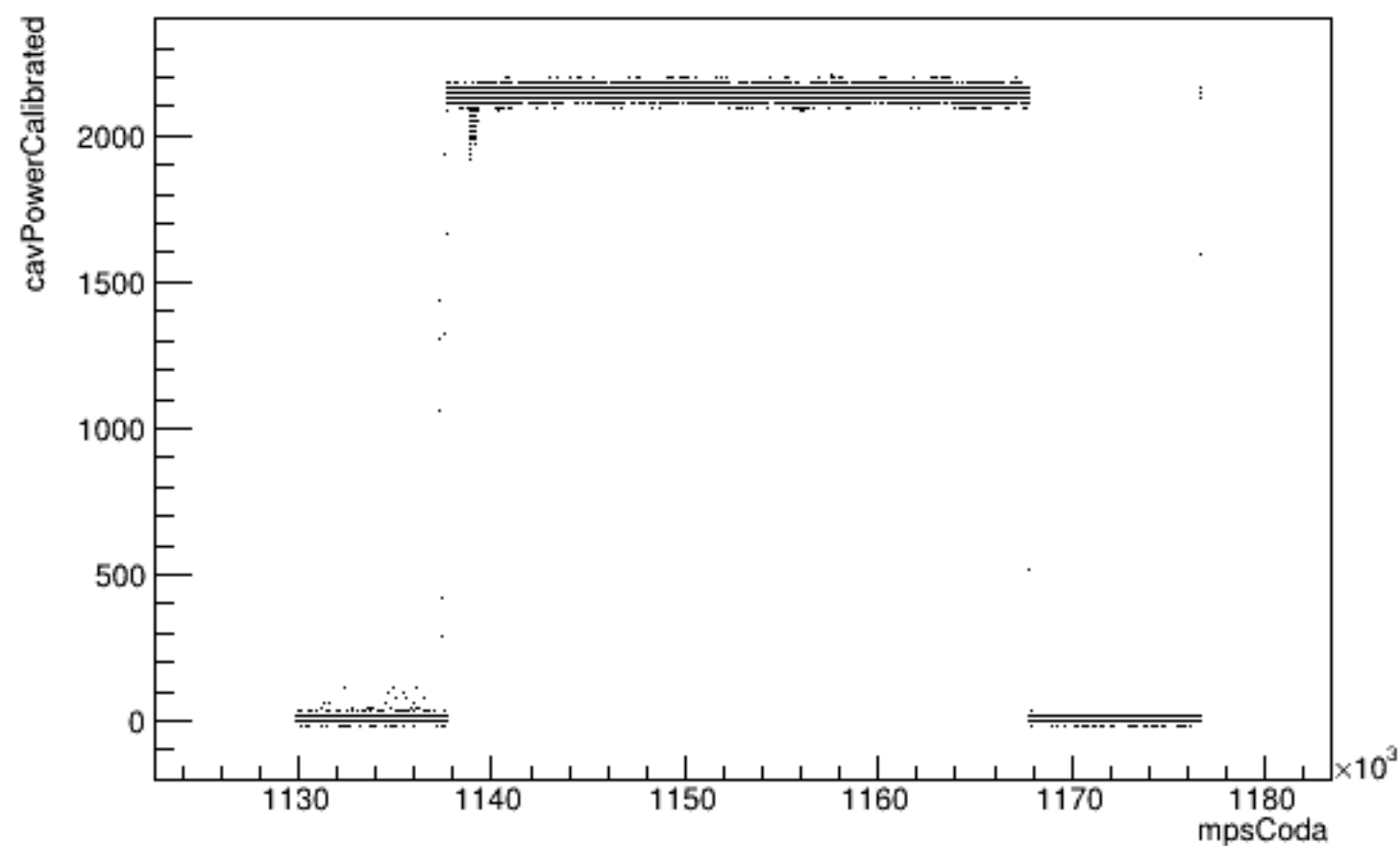
laserState:mpsCoda {mpsCoda&gt;=1129836 &amp;&amp; mpsCoda&lt;=1176635}



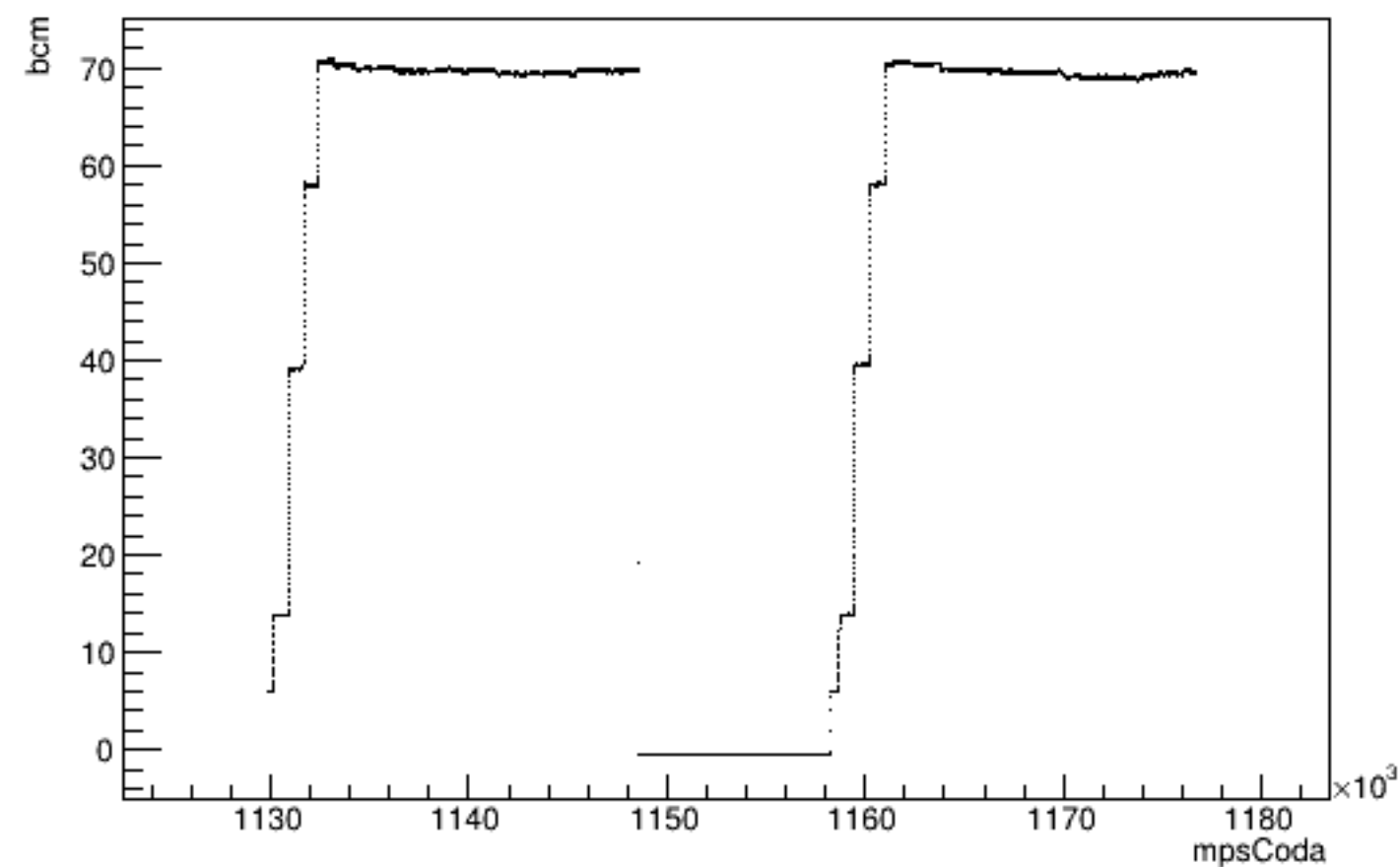
beamState + 1:mpsCoda {mpsCoda&gt;=1129836 &amp;&amp; mpsCoda&lt;=1176635}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1129836 &amp;&amp; mpsCoda&lt;=1176635}



bcm:mpsCoda {mpsCoda&gt;=1129836 &amp;&amp; mpsCoda&lt;=1176635}



## Cycle 16, Diffs

Entries: 1105

Mean: -0.0008 +/- 0.0097

Std Dev: 0.3226 +/- 0.0069

Entries: 3130

Mean: 0.0643 +/- 0.0062

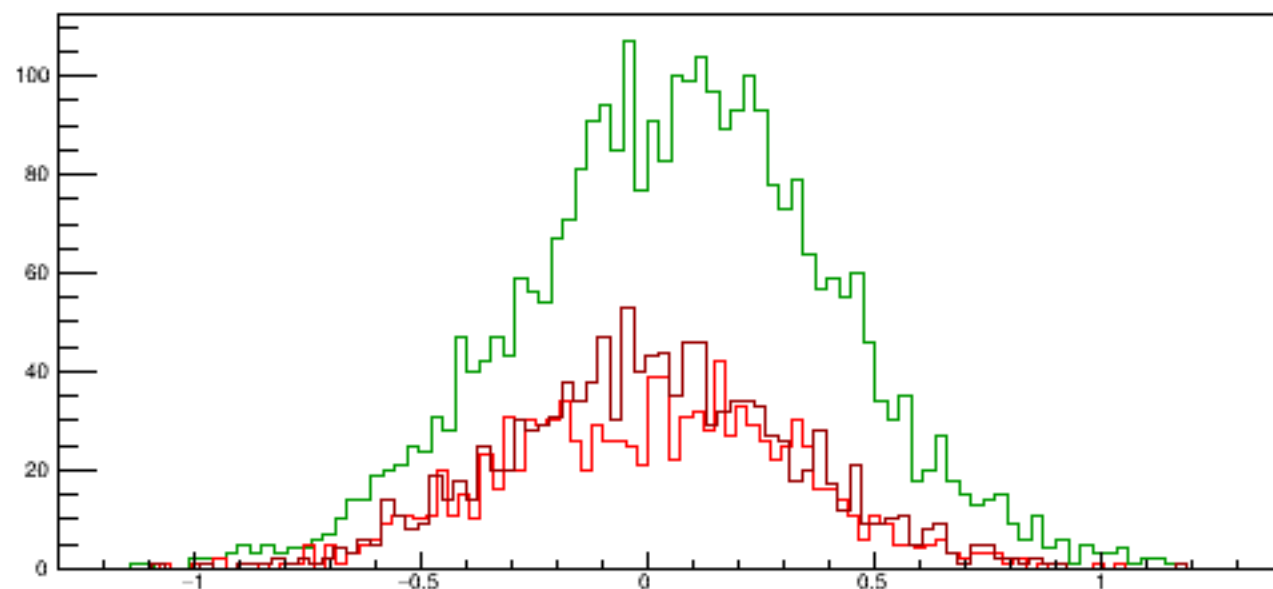
Std Dev: 0.3463 +/- 0.0044

Entries: 1231

Mean: 0.0073 +/- 0.0090

Std Dev: 0.3152 +/- 0.0064

Run 4414 quartetwise, Diffs



## Cycle 16, Sums

Entries: 1105

Mean: 14.1415 +/- 0.0114

Std Dev: 0.3788 +/- 0.0081

Entries: 3130

Mean: 19.0144 +/- 0.0081

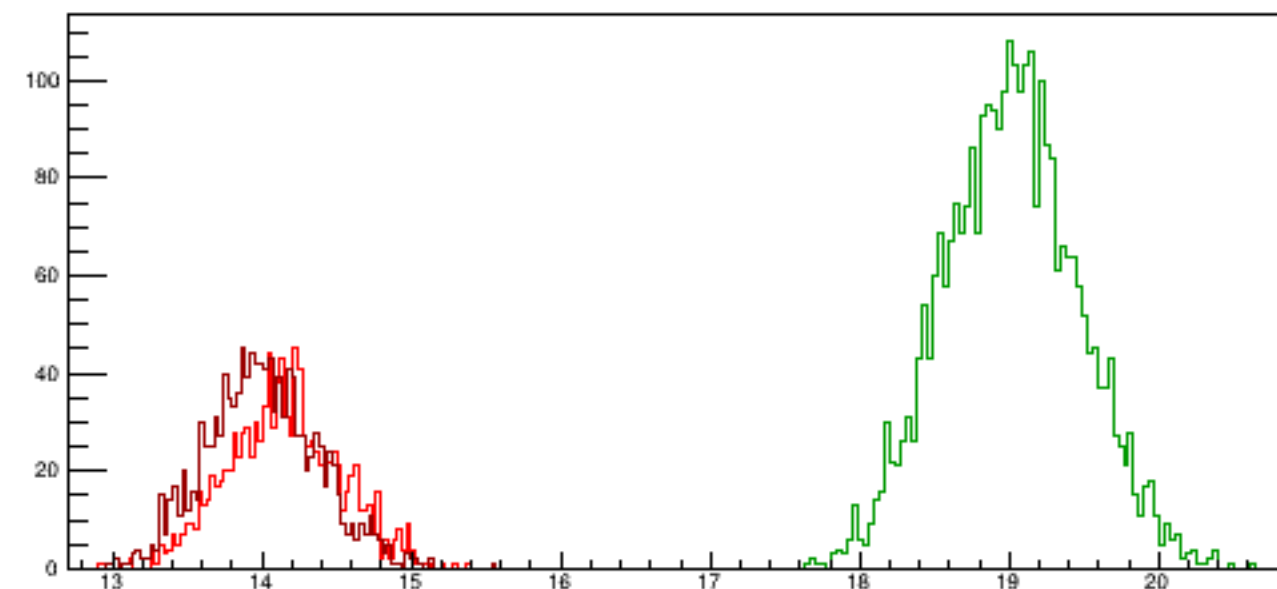
Std Dev: 0.4528 +/- 0.0057

Entries: 1231

Mean: 14.0016 +/- 0.0106

Std Dev: 0.3705 +/- 0.0075

Run 4414 quartetwise, Sums



## Cycle 16, Asyms

Entries: 1105

Mean: -0.0002 +/- 0.0020

Std Dev: 0.0653 +/- 0.0014

Entries: 3130

Mean: 0.0132 +/- 0.0013

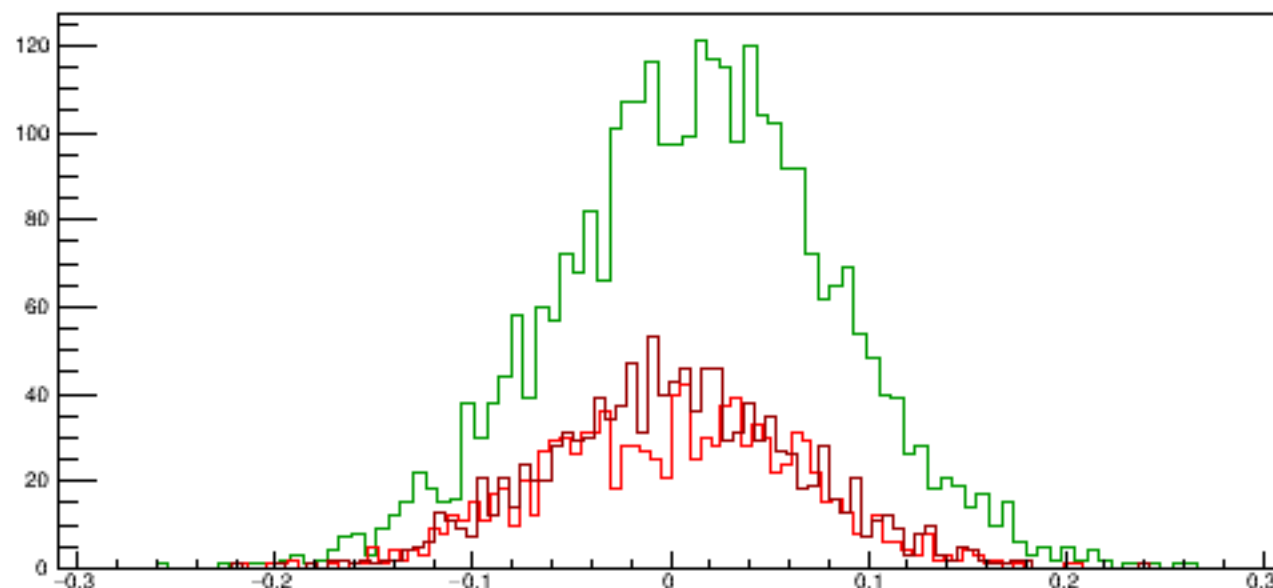
Std Dev: 0.0705 +/- 0.0009

Entries: 1231

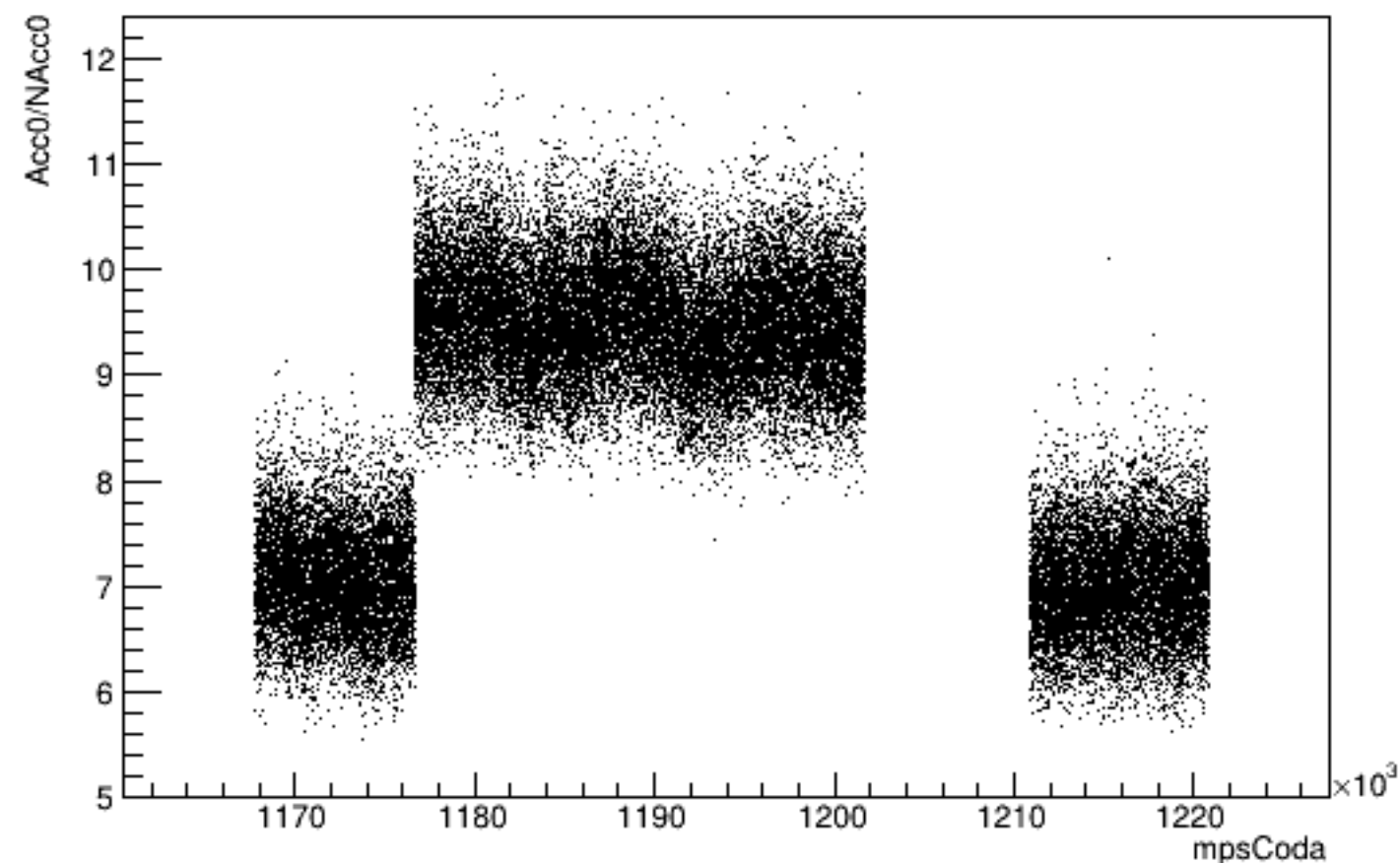
Mean: 0.0015 +/- 0.0018

Std Dev: 0.0638 +/- 0.0013

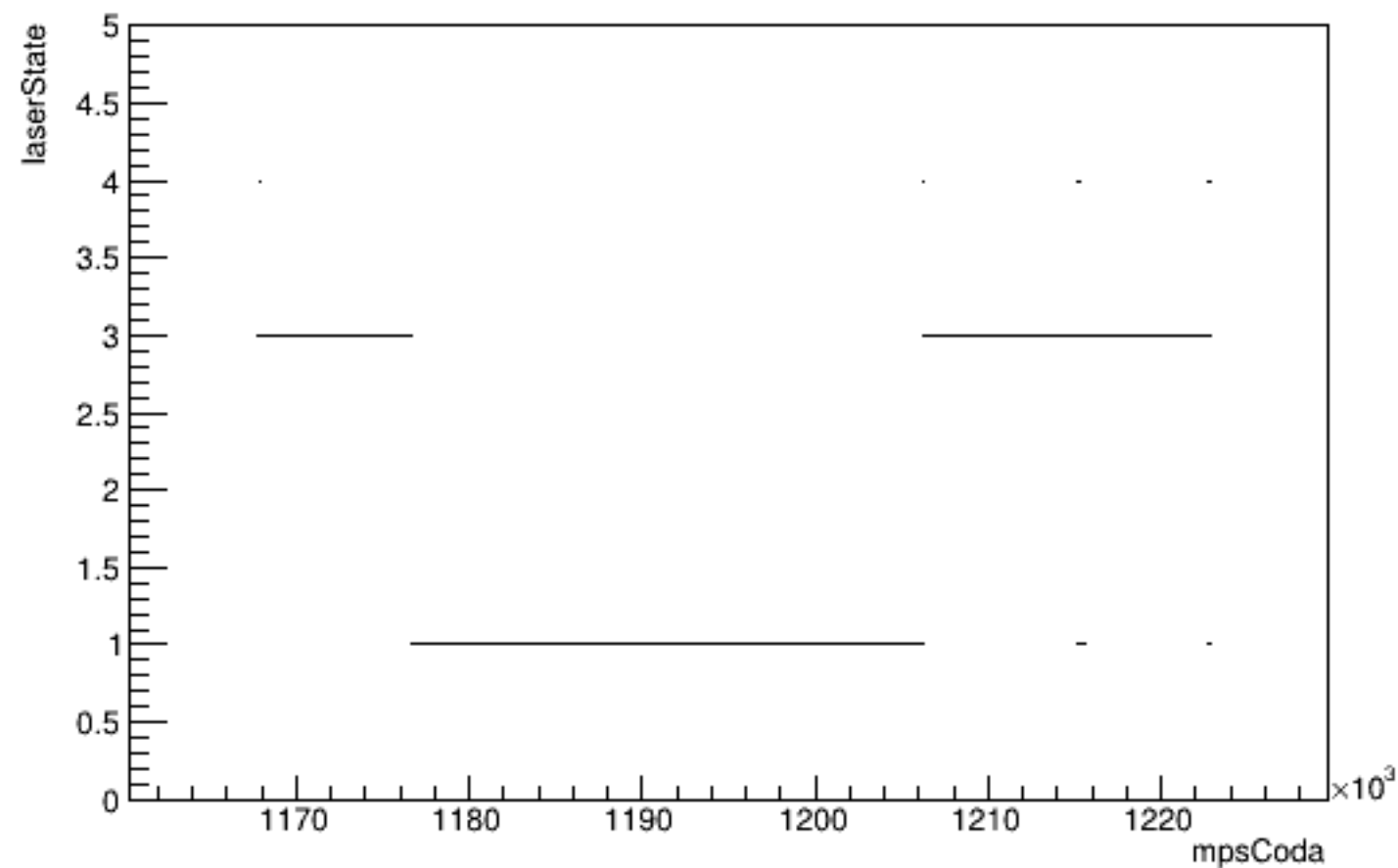
Run 4414 quartetwise, Asyms



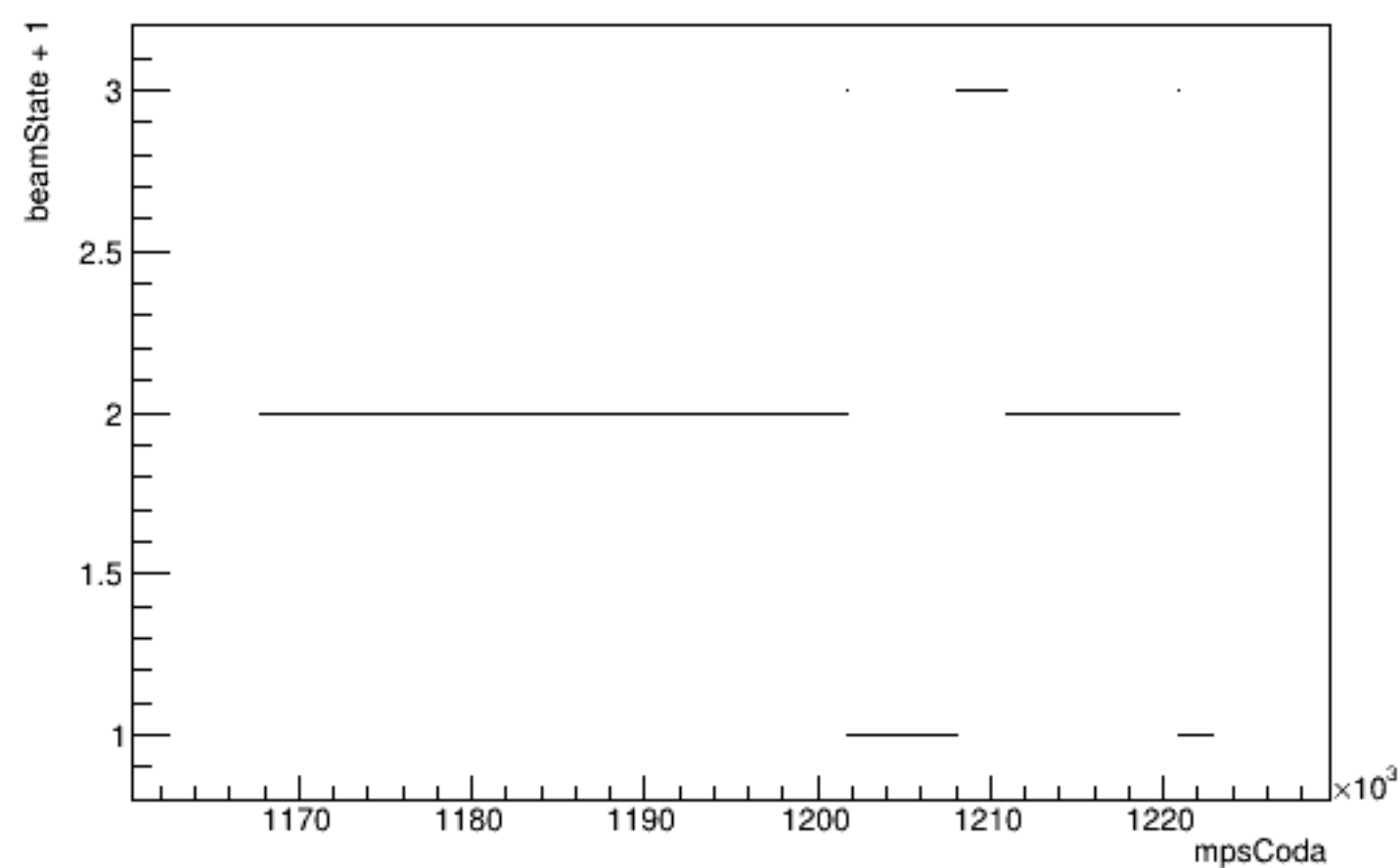
Acc0/NAcc0:mpsCoda (mpsCoda>=1167780 && mpsCoda<=1222851 && beamState==1)



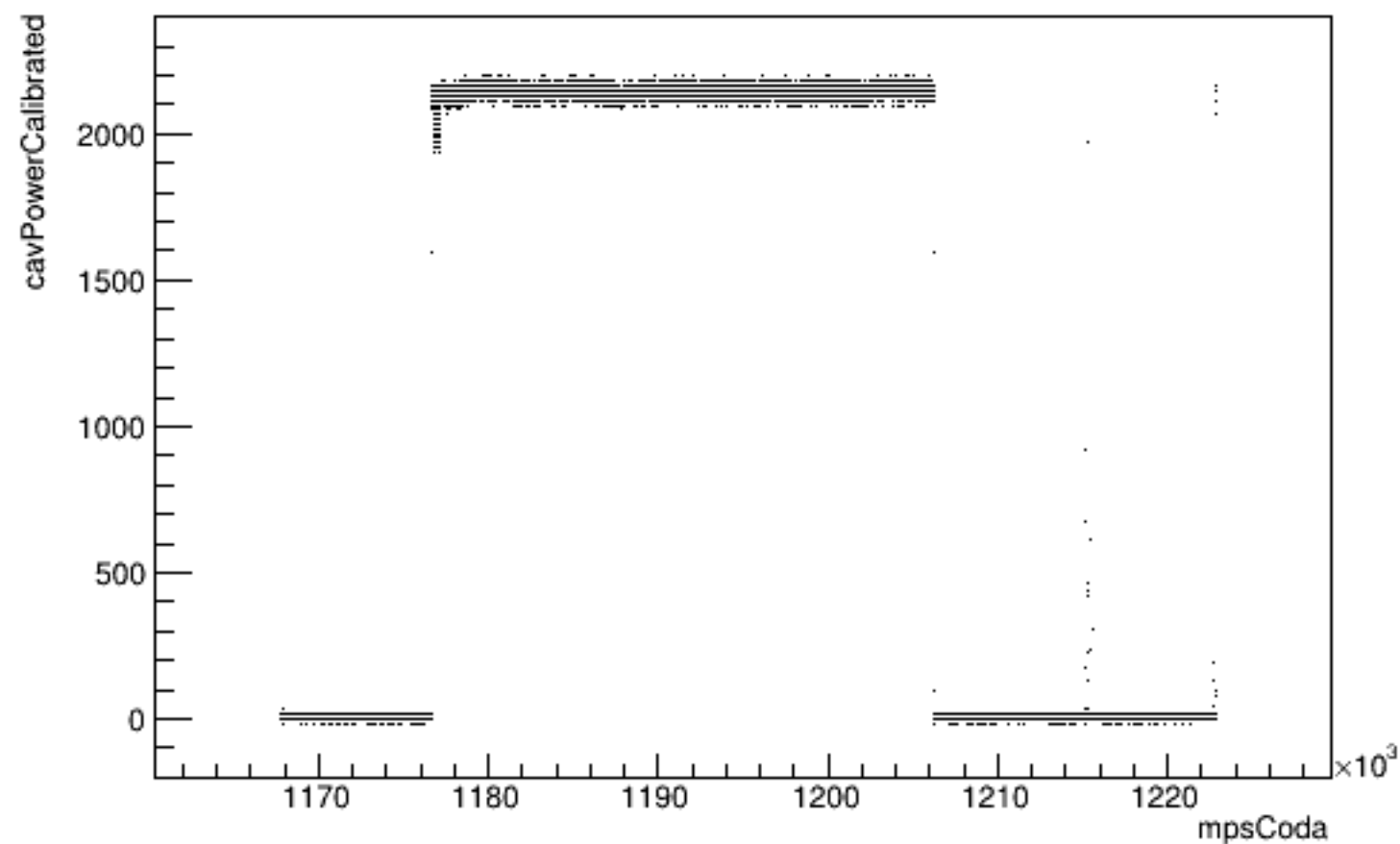
laserState:mpsCoda {mpsCoda&gt;=1167780 &amp;&amp; mpsCoda&lt;=1222851}



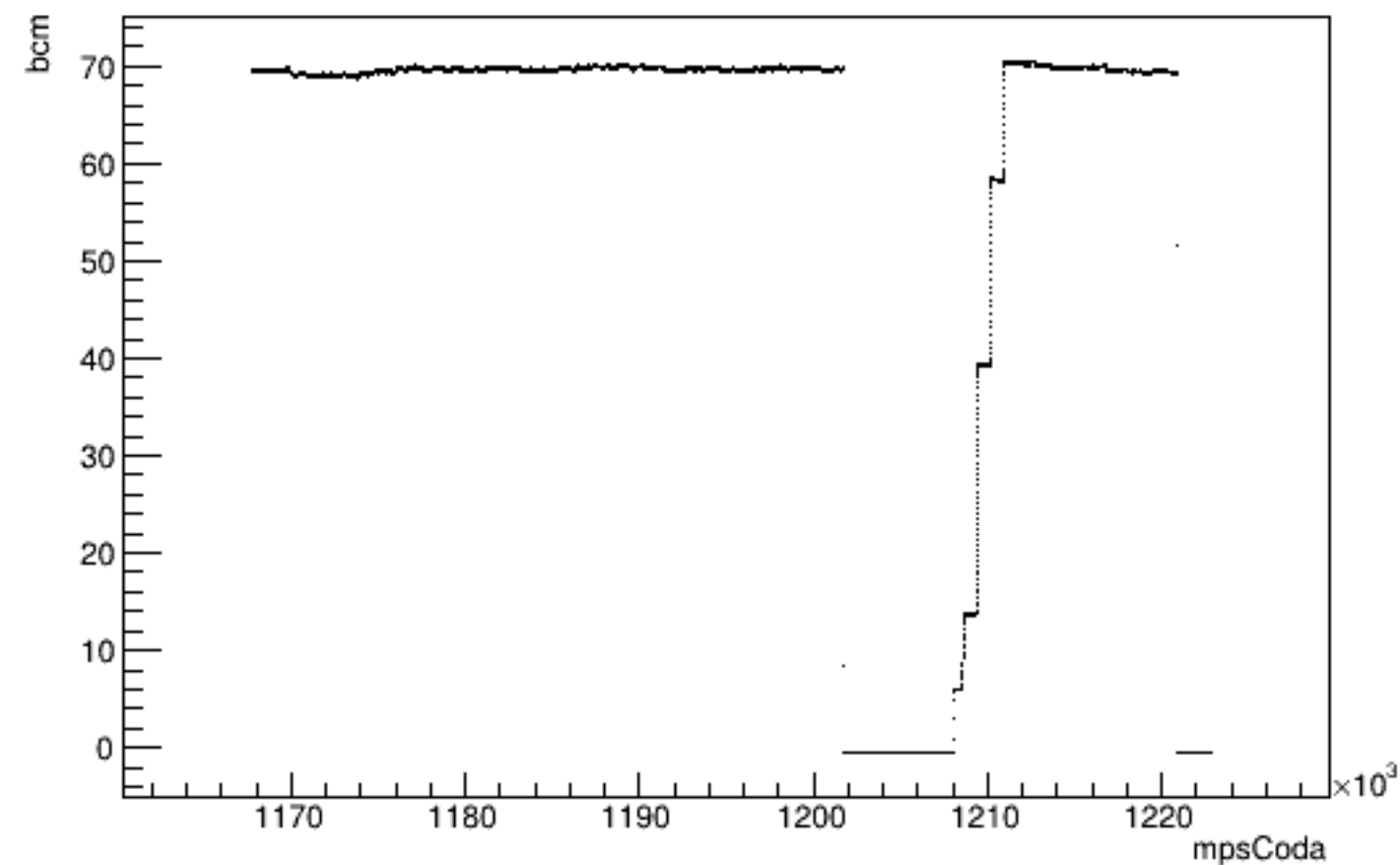
beamState + 1:mpsCoda {mpsCoda&gt;=1167780 &amp;&amp; mpsCoda&lt;=1222851}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1167780 &amp;&amp; mpsCoda&lt;=1222851}



bcm:mpsCoda {mpsCoda&gt;=1167780 &amp;&amp; mpsCoda&lt;=1222851}



## Cycle 17, Diffs

Entries: 1231

Mean: 0.0073 +/- 0.0090

Std Dev: 0.3152 +/- 0.0064

Entries: 1505

Mean: 0.0948 +/- 0.0094

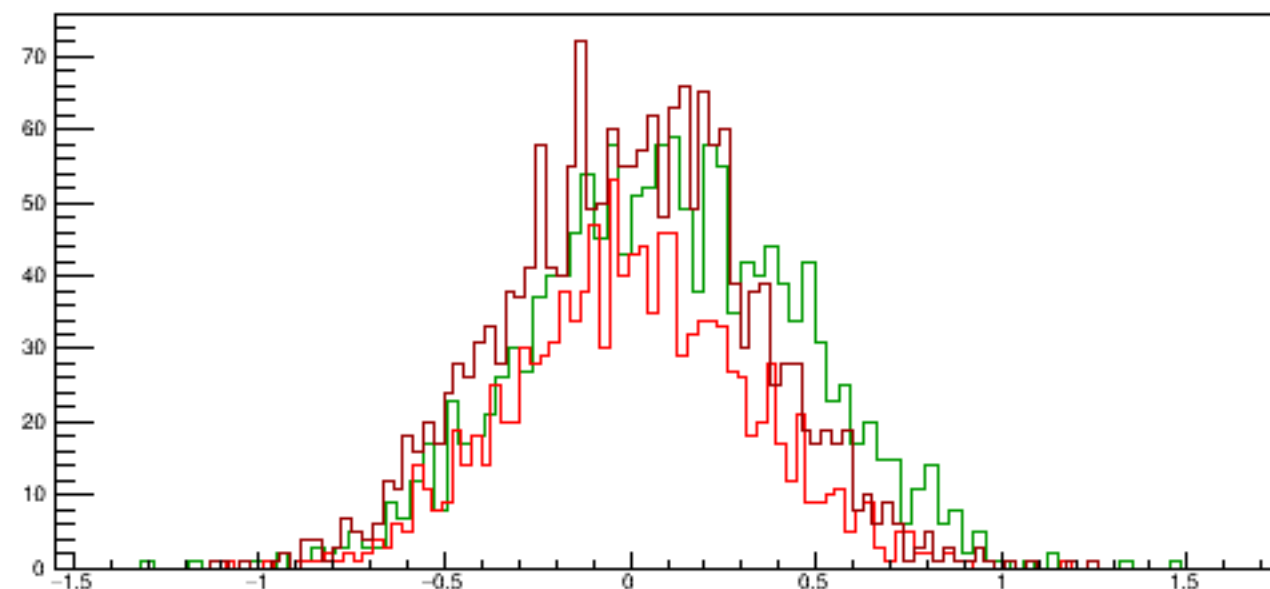
Std Dev: 0.3658 +/- 0.0067

Entries: 1863

Mean: 0.0002 +/- 0.0078

Std Dev: 0.3375 +/- 0.0055

Run 4414 quartetwise, Diffs



## Cycle 17, Sums

Entries: 1231

Mean: 14.0016 +/- 0.0106

Std Dev: 0.3705 +/- 0.0075

Entries: 1505

Mean: 19.2655 +/- 0.0104

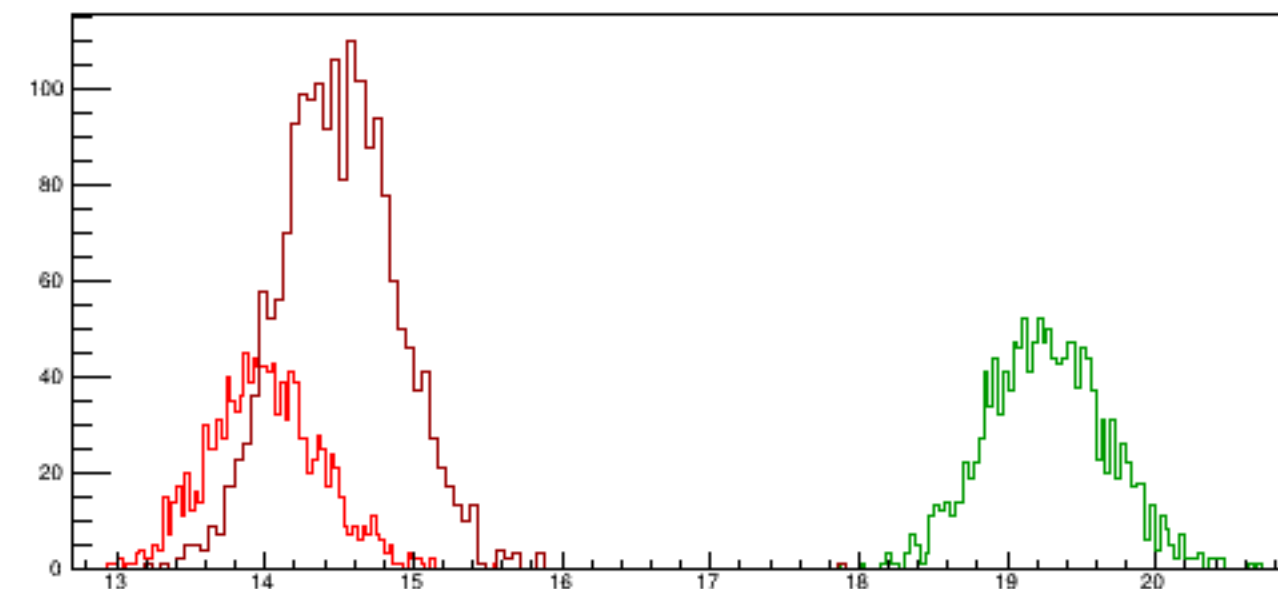
Std Dev: 0.4025 +/- 0.0073

Entries: 1863

Mean: 14.5013 +/- 0.0092

Std Dev: 0.3959 +/- 0.0065

Run 4414 quartetwise, Sums



## Cycle 17, Asyms

Entries: 1231

Mean: 0.0015 +/- 0.0018

Std Dev: 0.0629 +/- 0.0013

Entries: 1505

Mean: 0.0189 +/- 0.0019

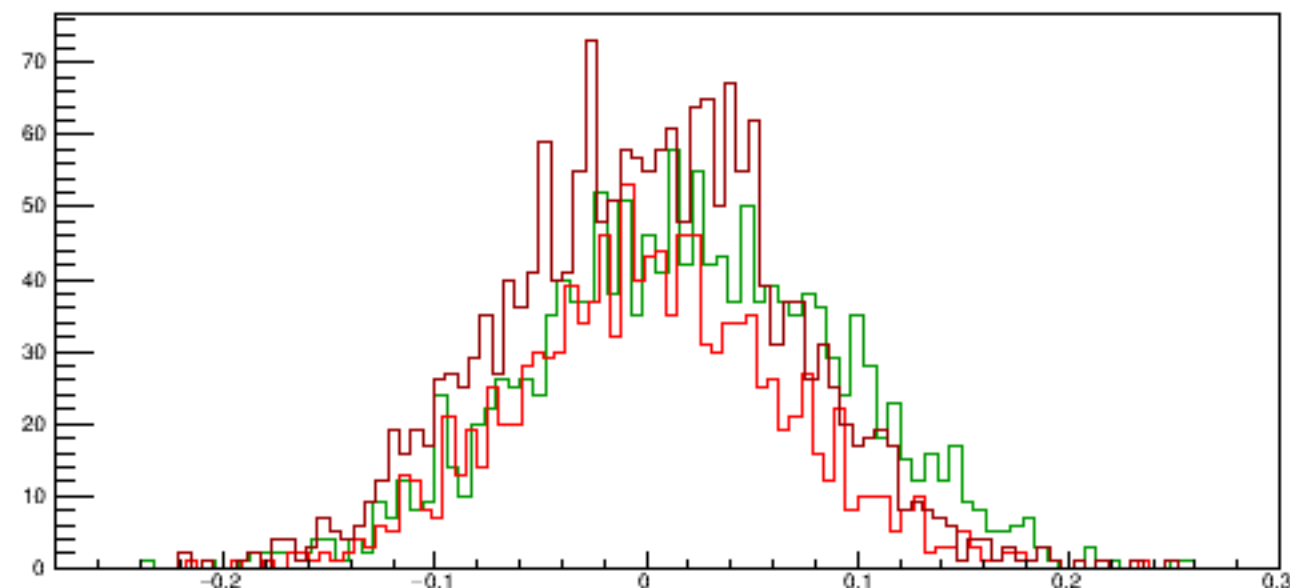
Std Dev: 0.0730 +/- 0.0013

Entries: 1863

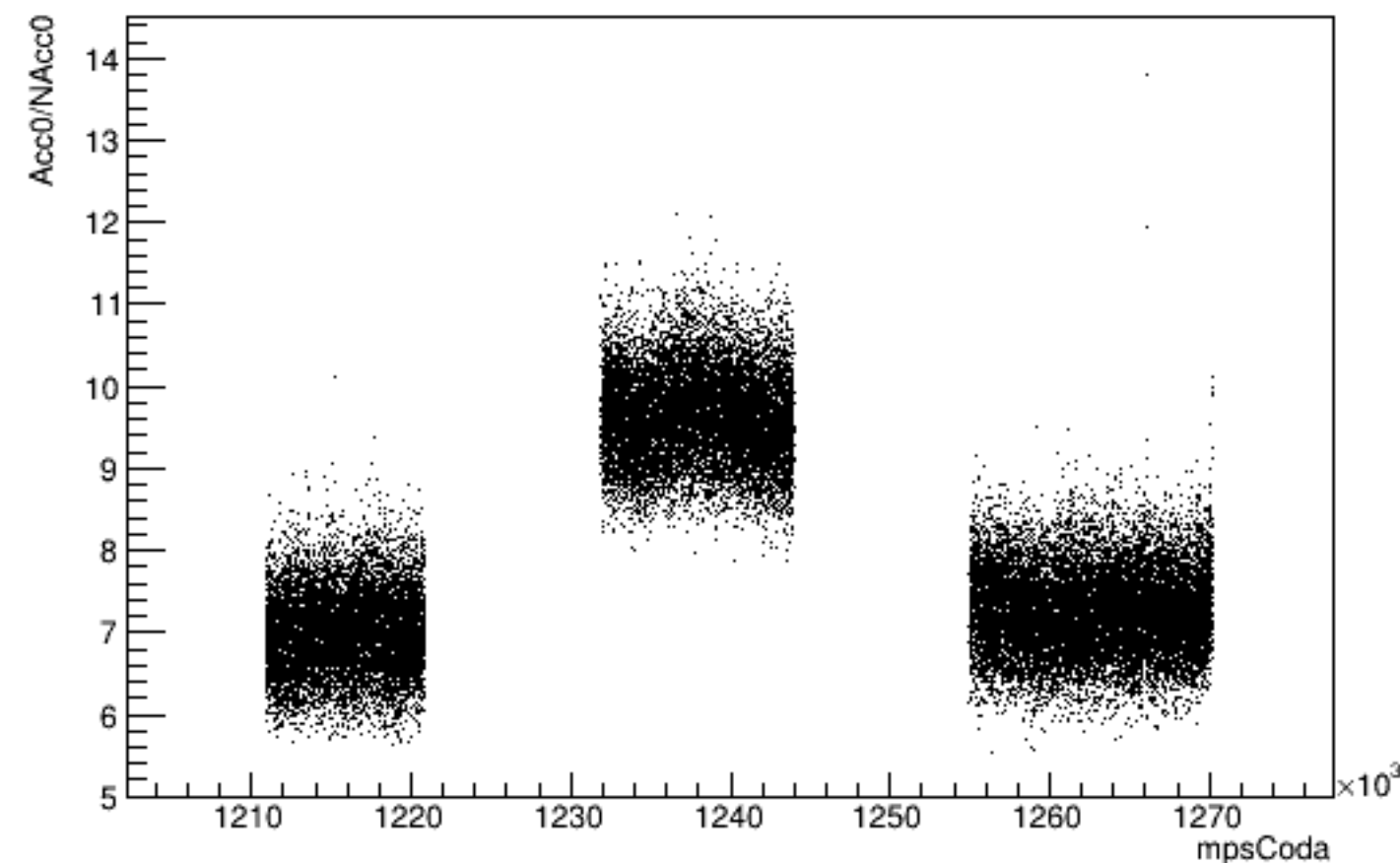
Mean: 0.0000 +/- 0.0016

Std Dev: 0.0673 +/- 0.0011

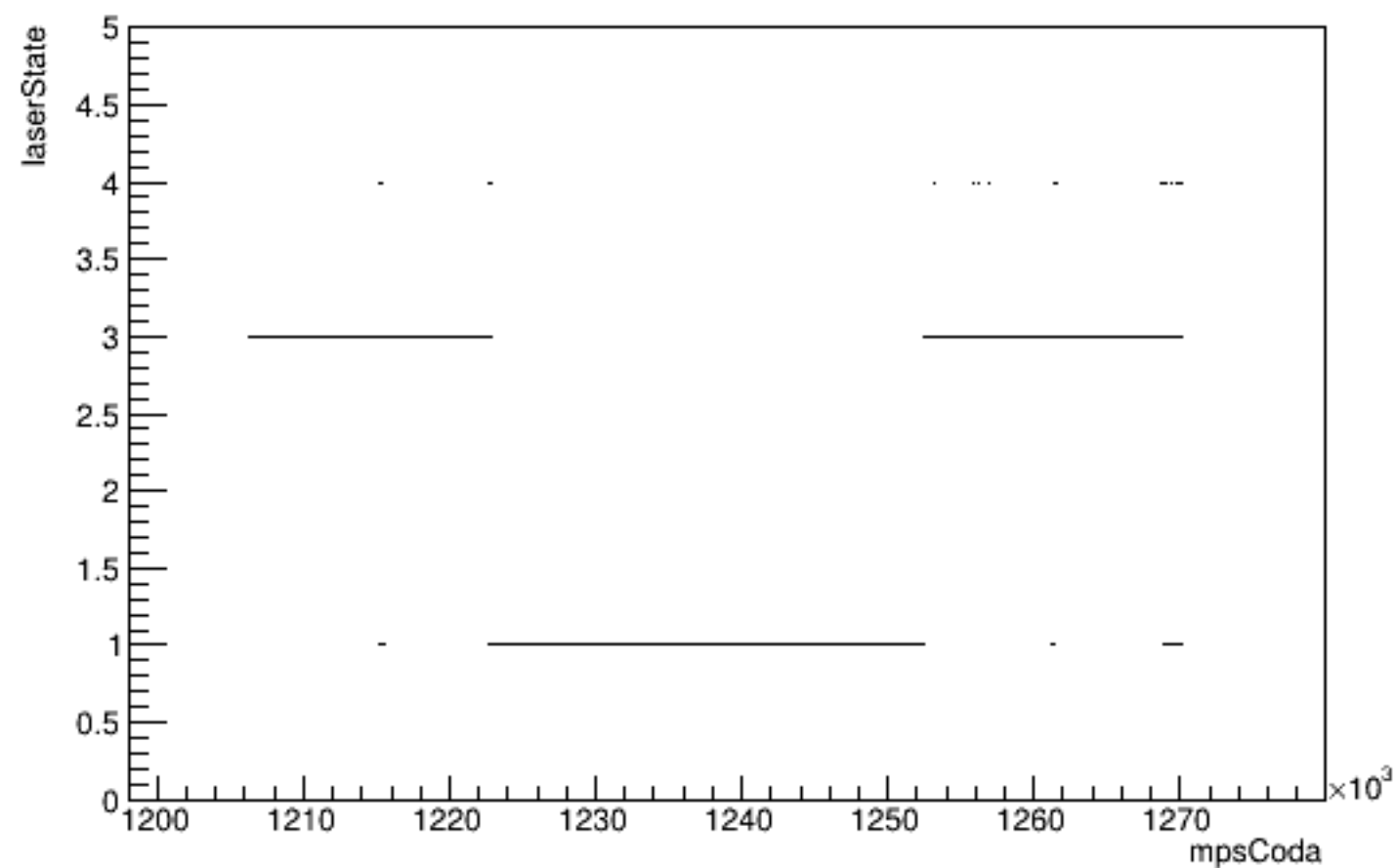
Run 4414 quartetwise, Asyms



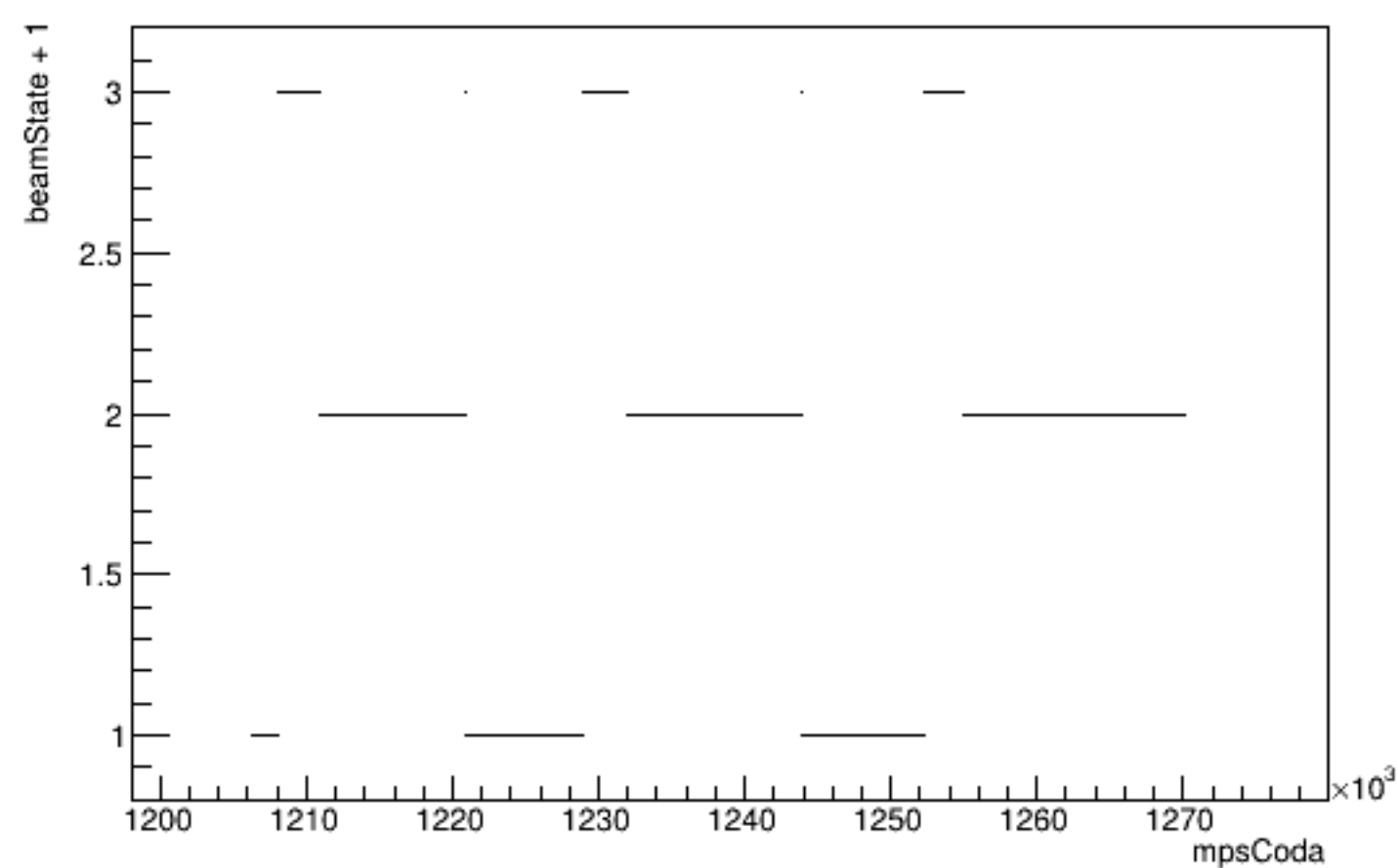
Acc0/NAcc0:mpsCoda (mpsCoda>=1206204 && mpsCoda<=1270171 && beamState==1)



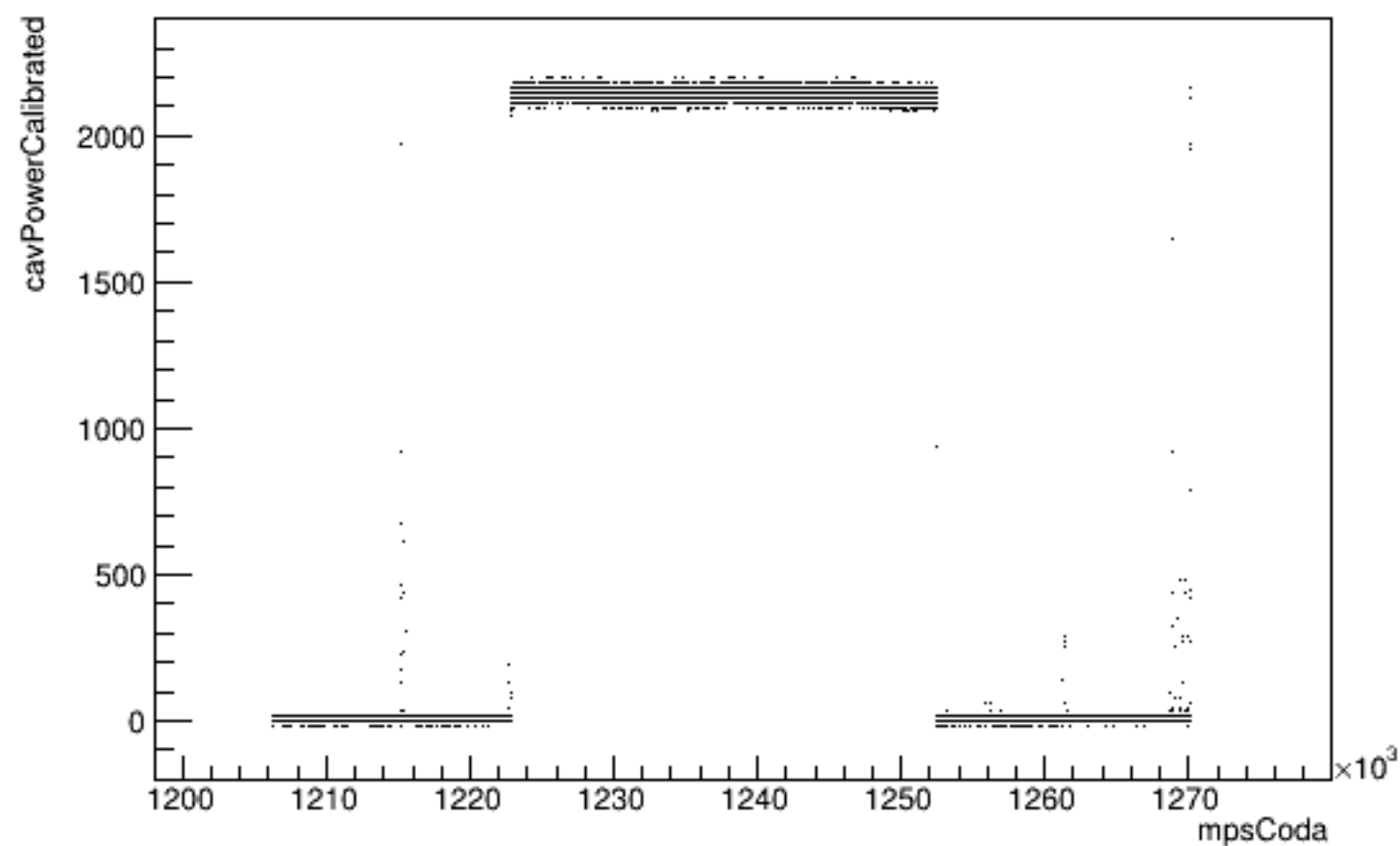
laserState:mpsCoda {mpsCoda&gt;=1206204 &amp;&amp; mpsCoda&lt;=1270171}



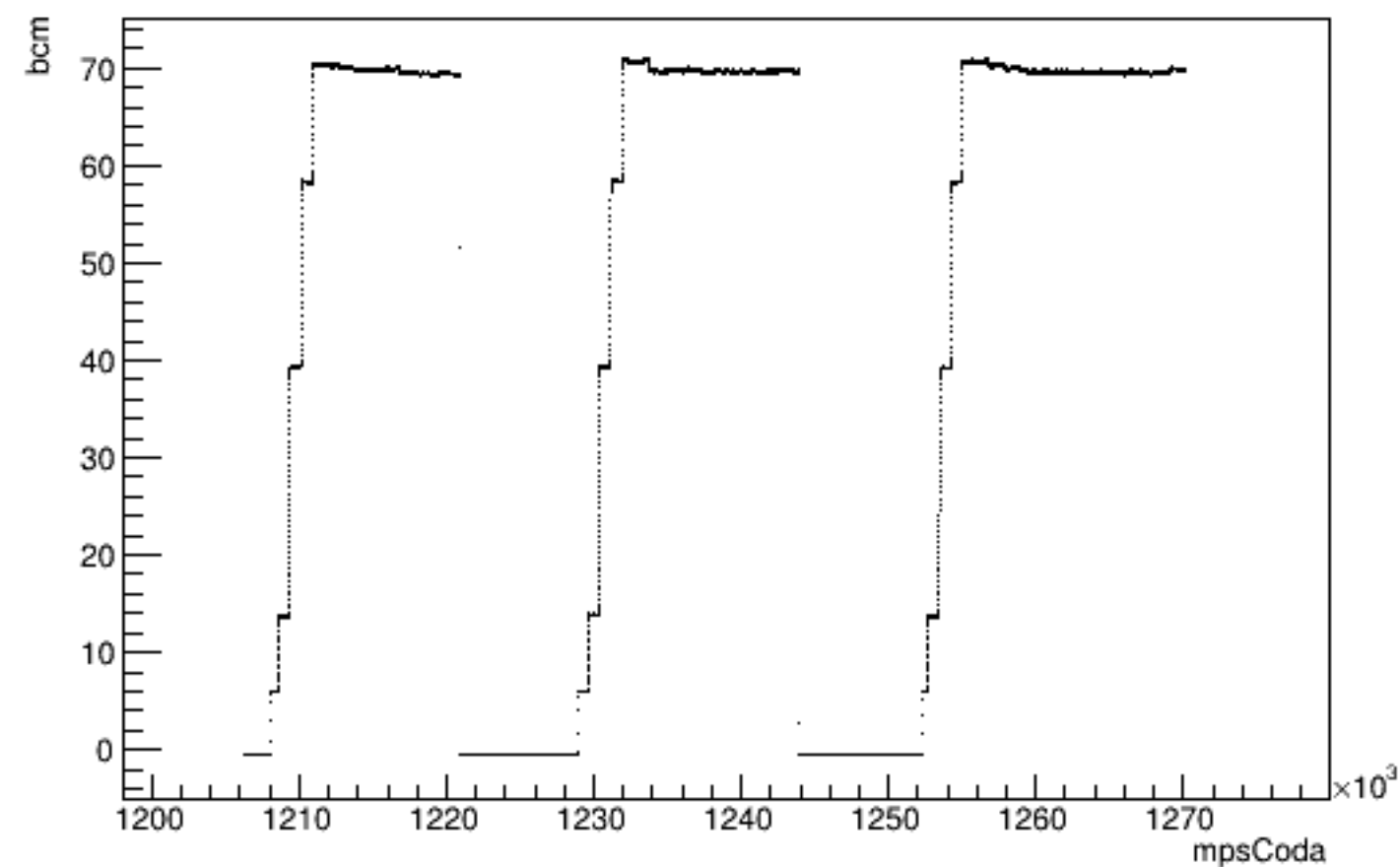
beamState + 1:mpsCoda {mpsCoda&gt;=1206204 &amp;&amp; mpsCoda&lt;=1270171}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1206204 &amp;&amp; mpsCoda&lt;=1270171}



bcm:mpsCoda {mpsCoda&gt;=1206204 &amp;&amp; mpsCoda&lt;=1270171}



## Cycle 18, Diffs

Entries: 1863

Mean: 0.0002 +/- 0.0078

Std Dev: 0.3375 +/- 0.0055

Entries: 3736

Mean: 0.0748 +/- 0.0059

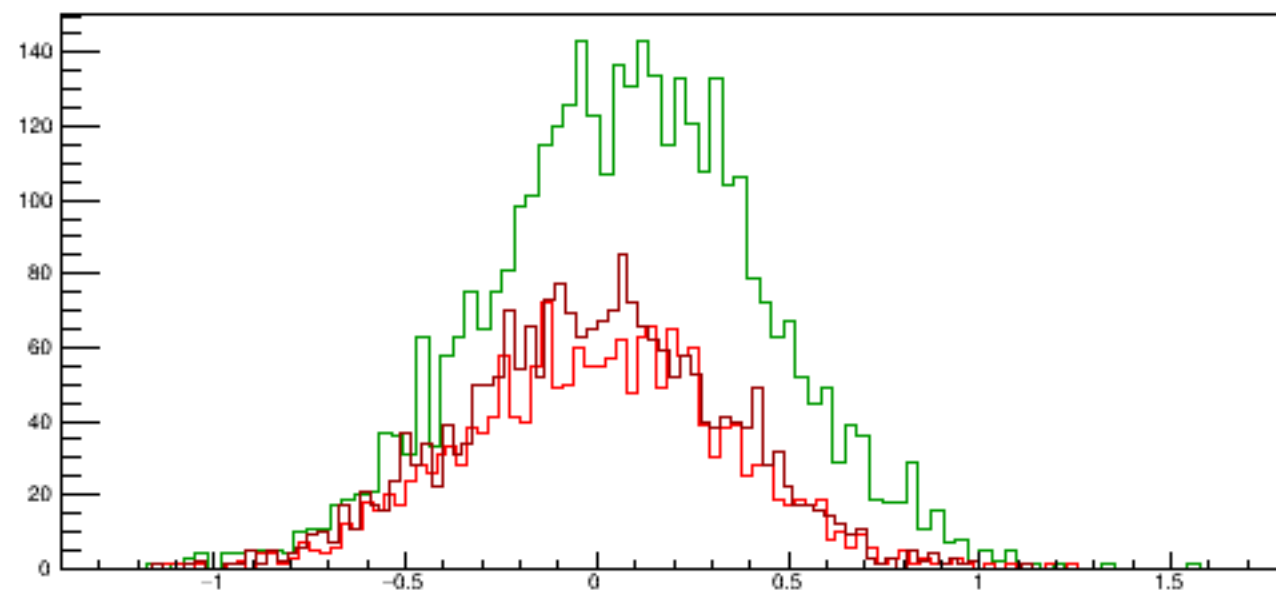
Std Dev: 0.3625 +/- 0.0042

Entries: 2221

Mean: -0.0123 +/- 0.0072

Std Dev: 0.3377 +/- 0.0051

Run 4414 quartetwise, Diffs



## Cycle 18, Sums

Entries: 1863

Mean: 14.5013 +/- 0.0092

Std Dev: 0.3959 +/- 0.0065

Entries: 3736

Mean: 19.4399 +/- 0.0070

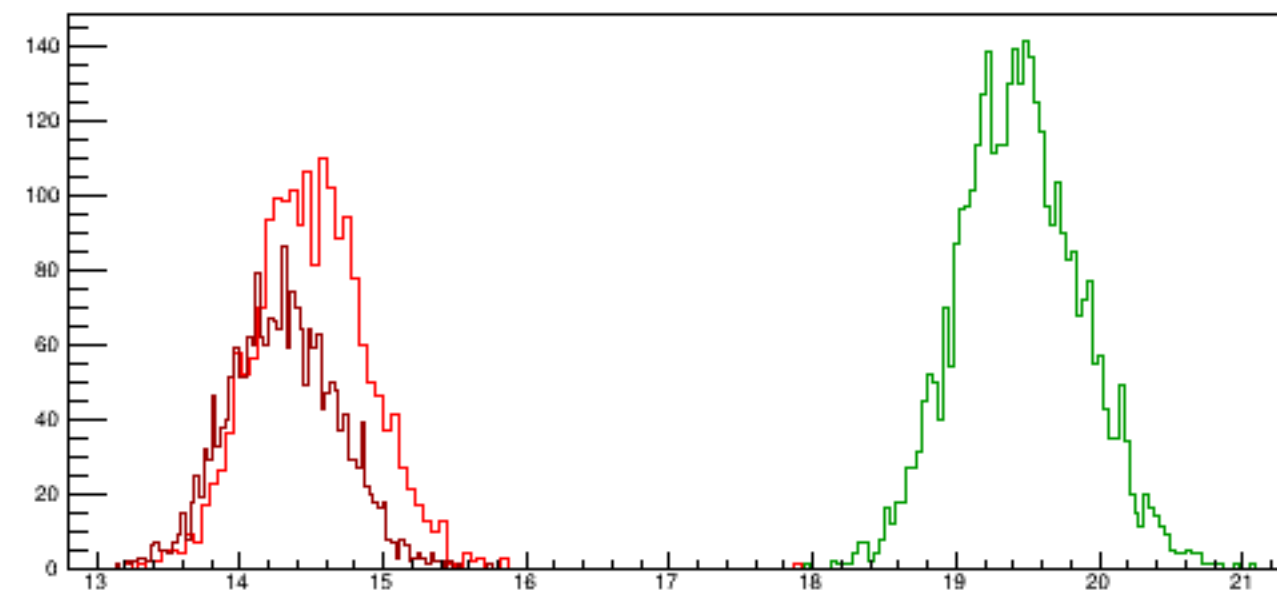
Std Dev: 0.4280 +/- 0.0050

Entries: 2221

Mean: 14.3022 +/- 0.0081

Std Dev: 0.3804 +/- 0.0057

Run 4414 quartetwise, Sums



## Cycle 18, Asyms

Entries: 1863

Mean: 0.0000 +/- 0.0016

Std Dev: 0.0670 +/- 0.0011

Entries: 3736

Mean: 0.0149 +/- 0.0012

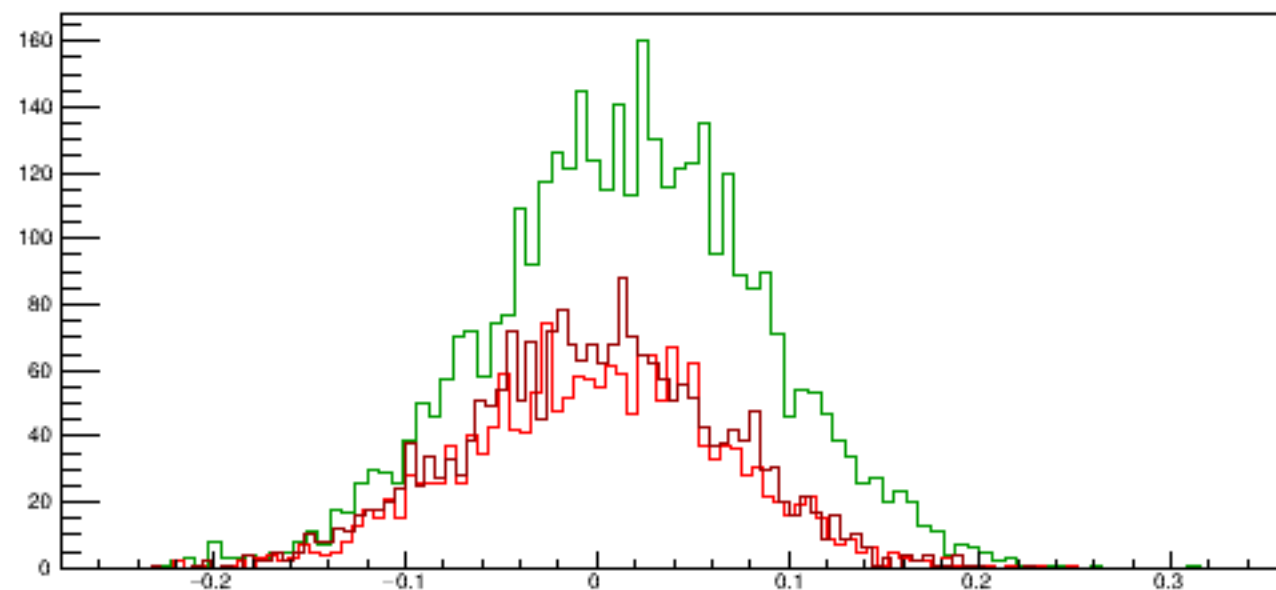
Std Dev: 0.0723 +/- 0.0008

Entries: 2221

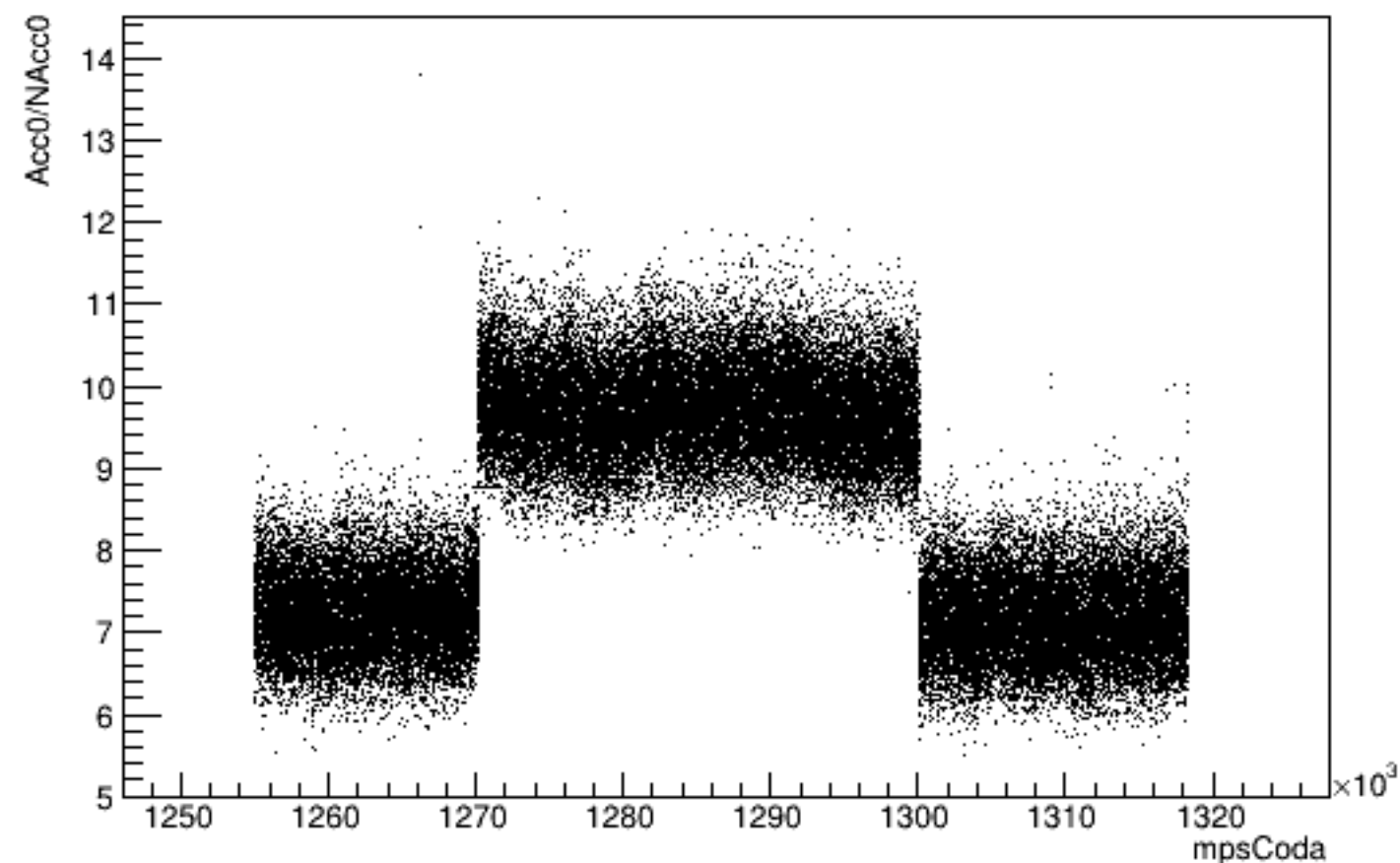
Mean: -0.0025 +/- 0.0014

Std Dev: 0.0670 +/- 0.0010

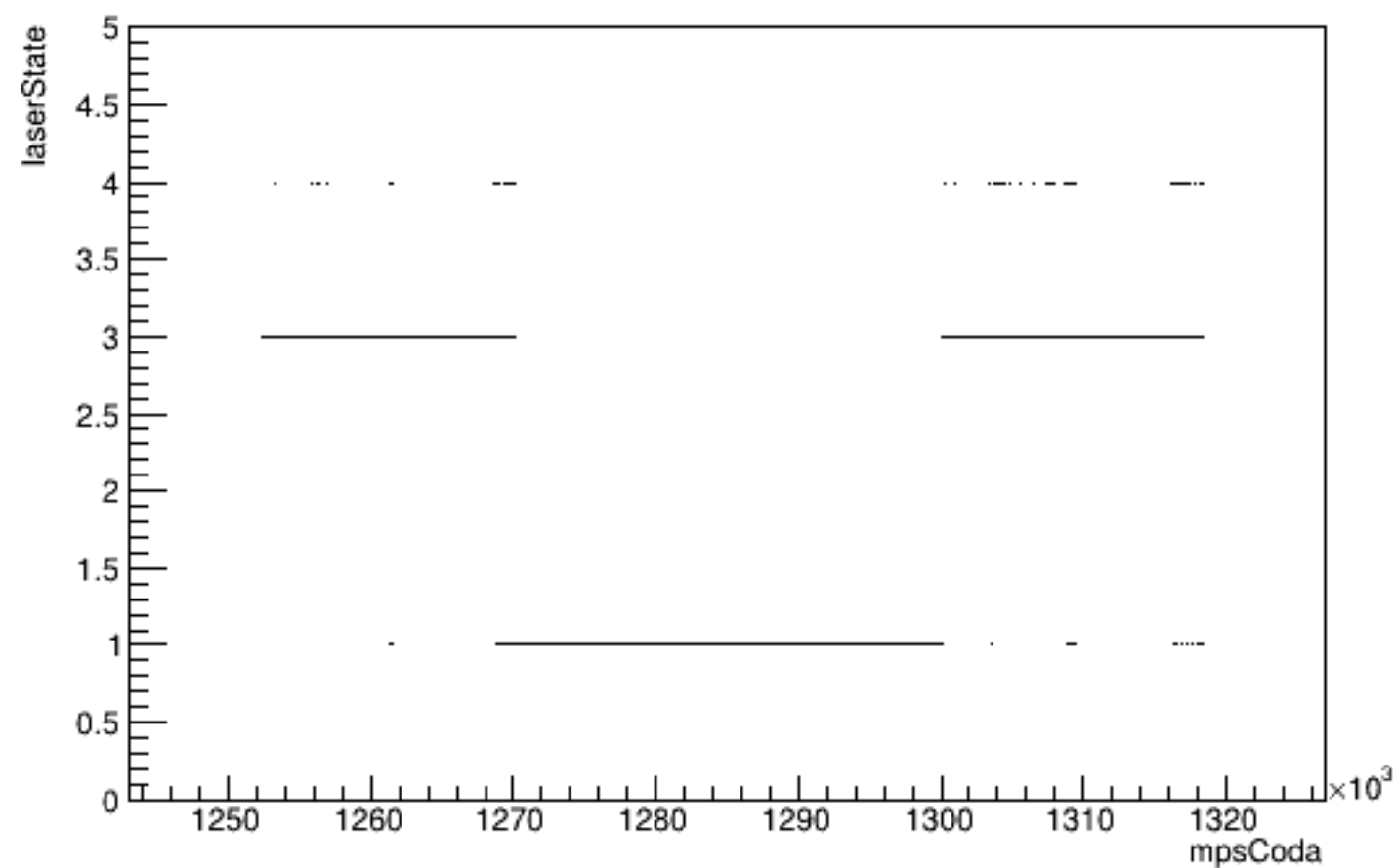
Run 4414 quartetwise, Asyms



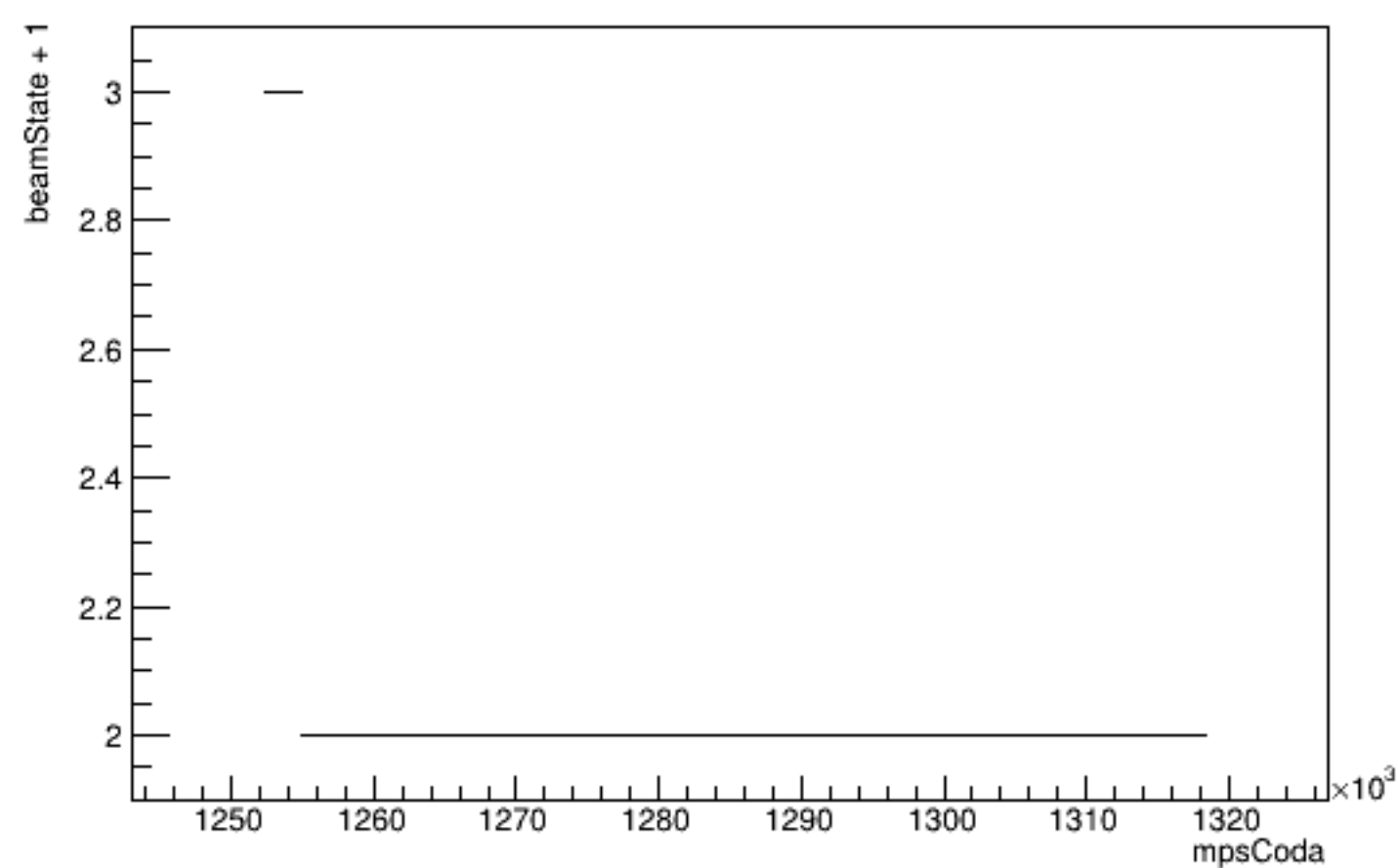
Acc0/NAcc0:mpsCoda (mpsCoda>=1252404 && mpsCoda<=1318315 && beamState==1)



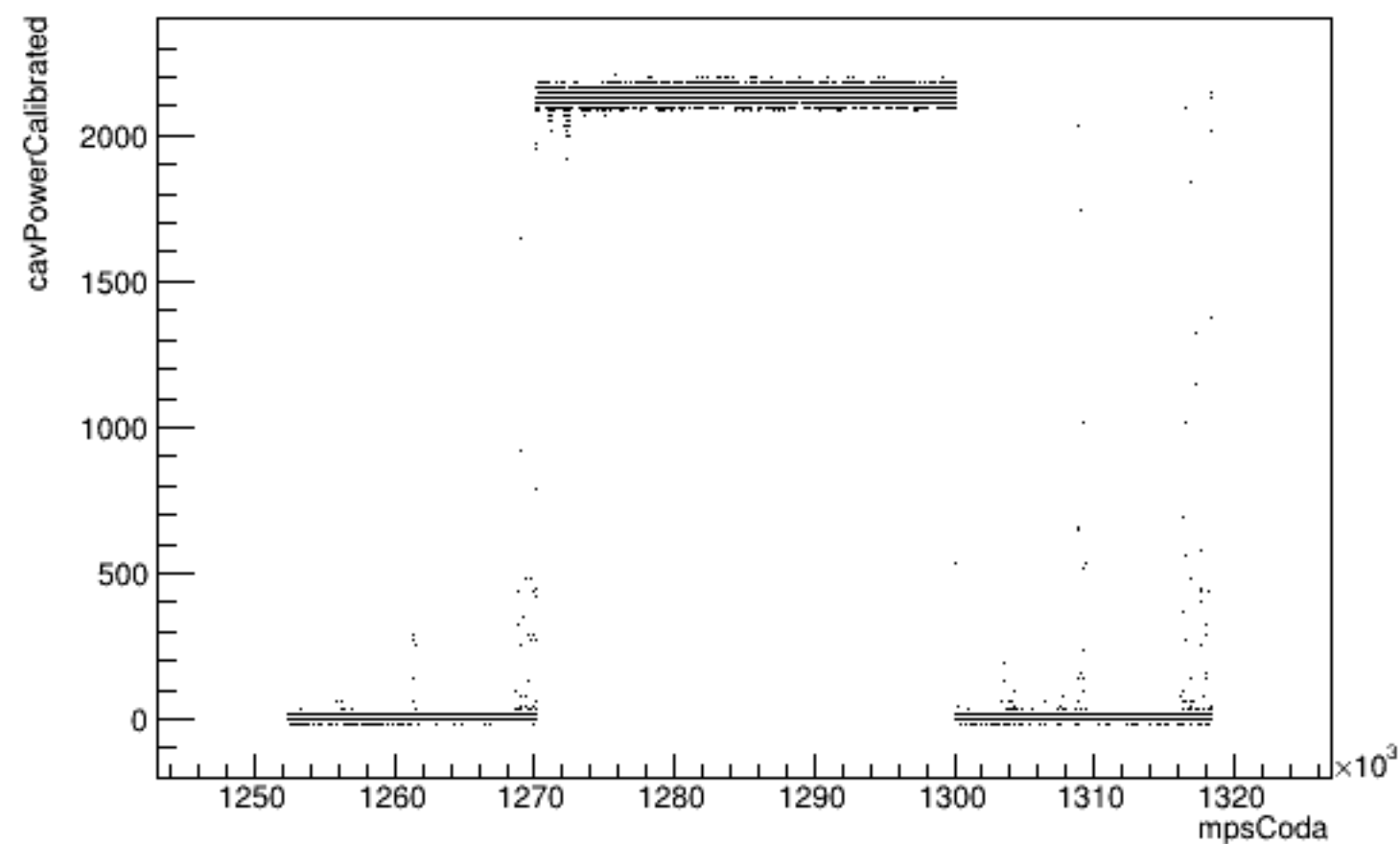
laserState:mpsCoda {mpsCoda&gt;=1252404 &amp;&amp; mpsCoda&lt;=1318315}



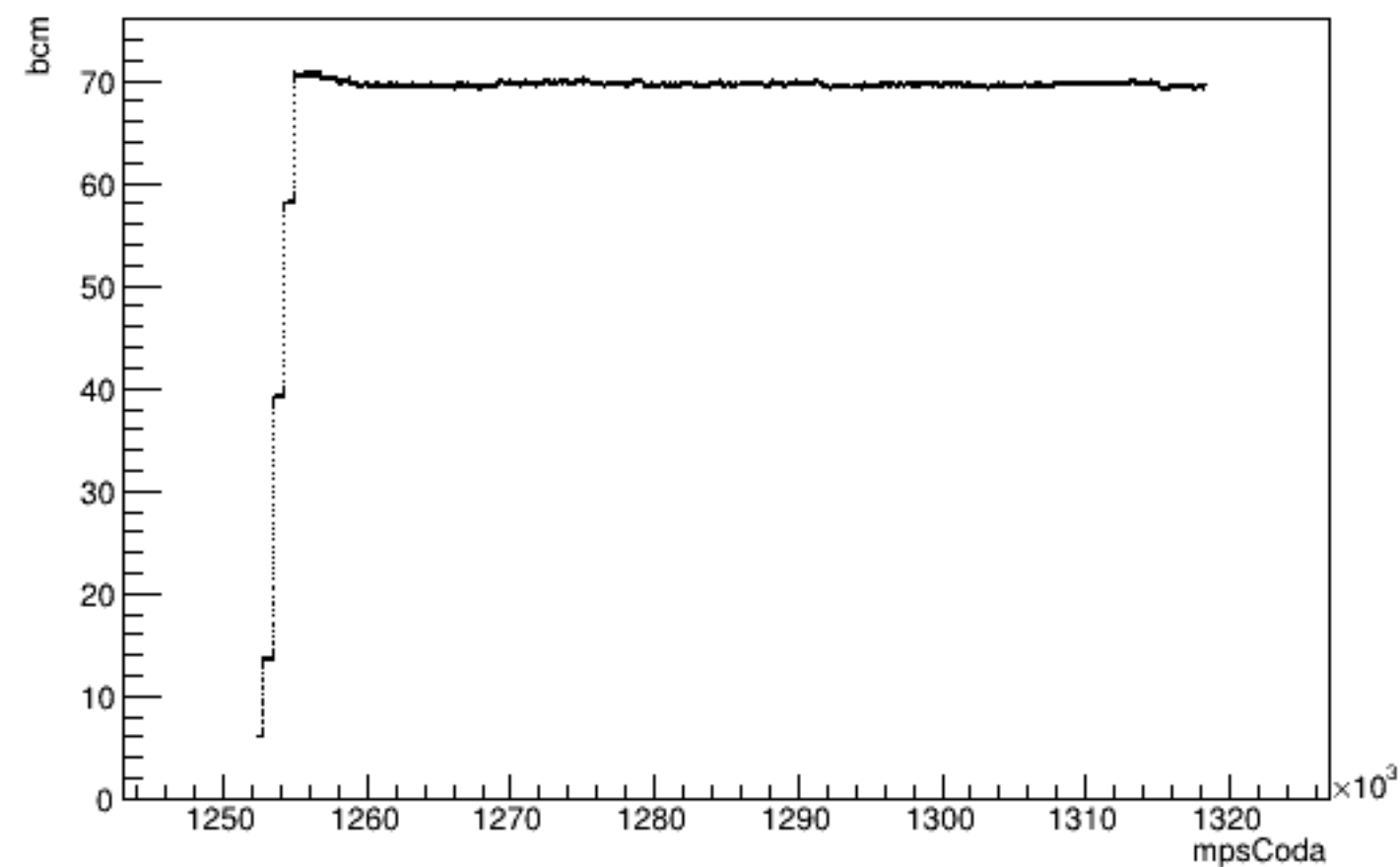
beamState + 1:mpsCoda {mpsCoda&gt;=1252404 &amp;&amp; mpsCoda&lt;=1318315}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1252404 &amp;&amp; mpsCoda&lt;=1318315}



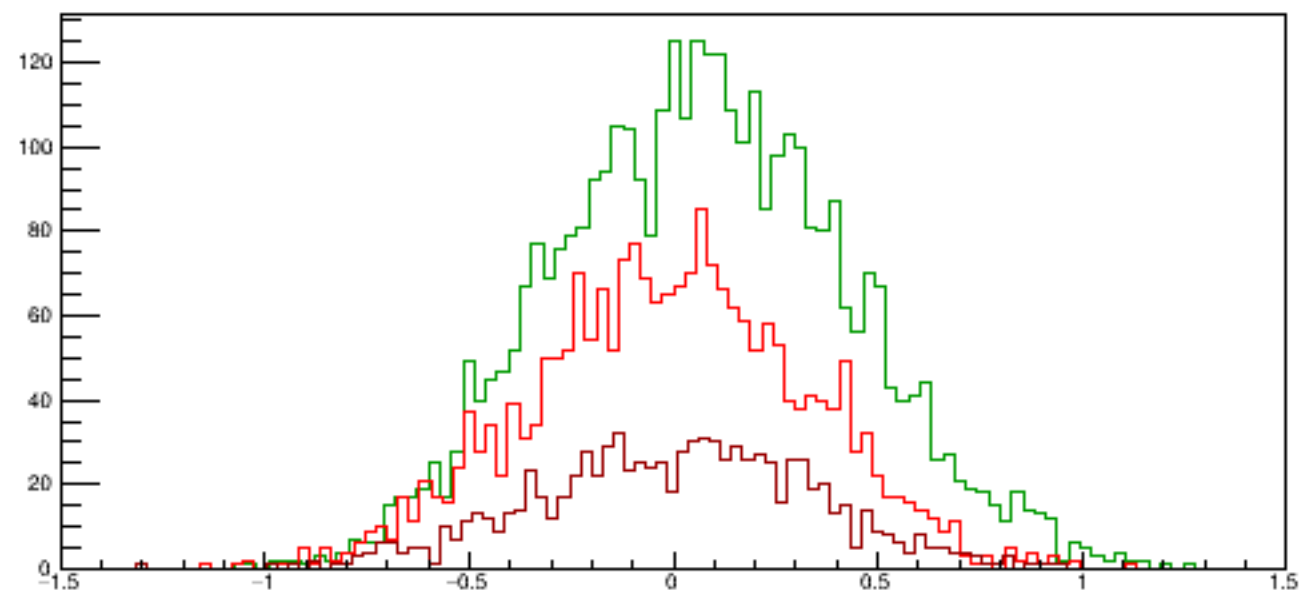
bcm:mpsCoda {mpsCoda&gt;=1252404 &amp;&amp; mpsCoda&lt;=1318315}



## Cycle 19, Diffs

| Entries: 2221              | Entries: 3735              | Entries: 918               |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0123 +/- 0.0072   | Mean: 0.0687 +/- 0.0059    | Mean: 0.0041 +/- 0.0112    |
| Std Dev: 0.3377 +/- 0.0051 | Std Dev: 0.3606 +/- 0.0042 | Std Dev: 0.3384 +/- 0.0079 |

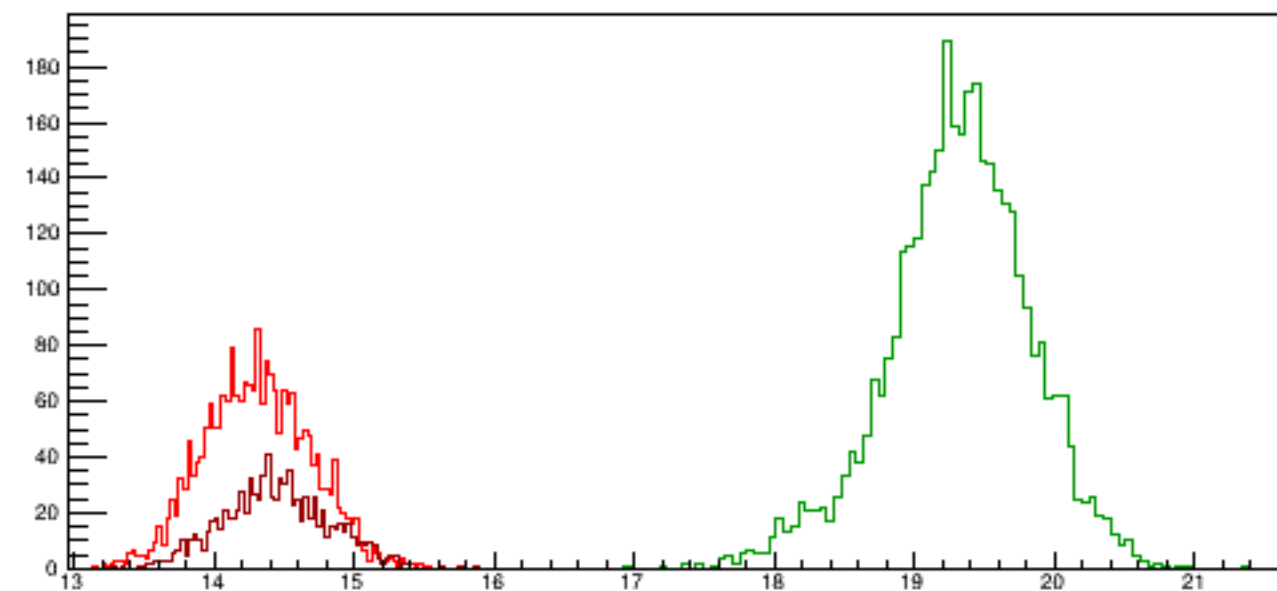
Run 4414 quartetwise, Diffs



## Cycle 19, Sums

| Entries: 2221              | Entries: 3735              | Entries: 918               |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.3022 +/- 0.0081   | Mean: 19.3075 +/- 0.0085   | Mean: 14.4357 +/- 0.0127   |
| Std Dev: 0.3804 +/- 0.0057 | Std Dev: 0.5171 +/- 0.0060 | Std Dev: 0.3860 +/- 0.0090 |

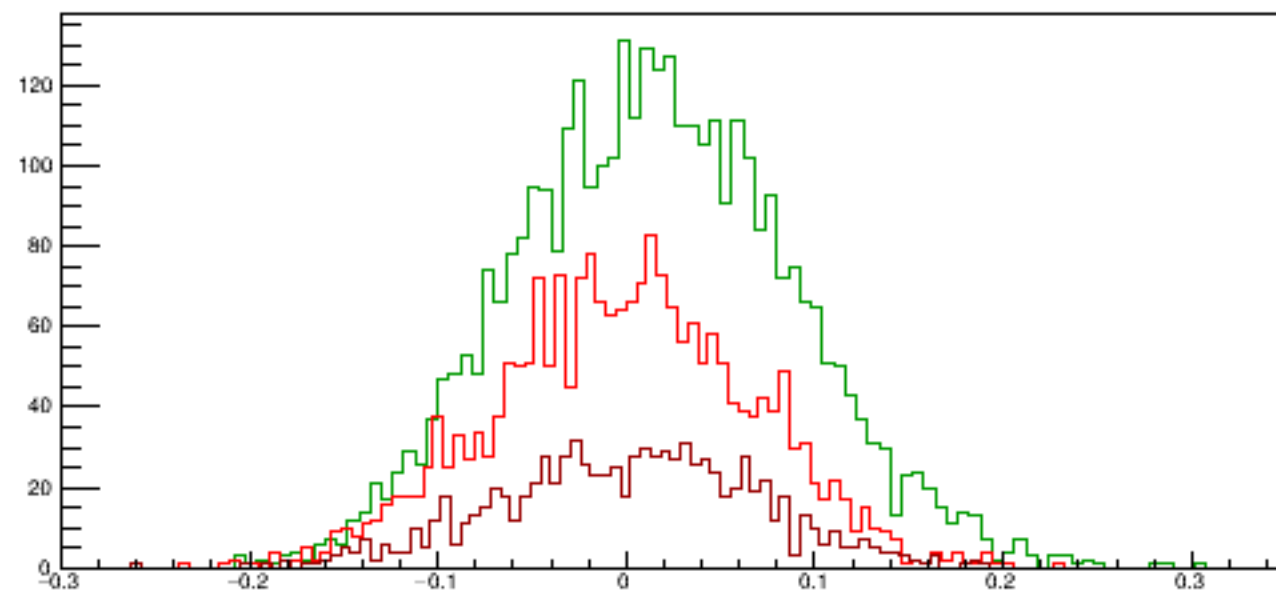
Run 4414 quartetwise, Sums



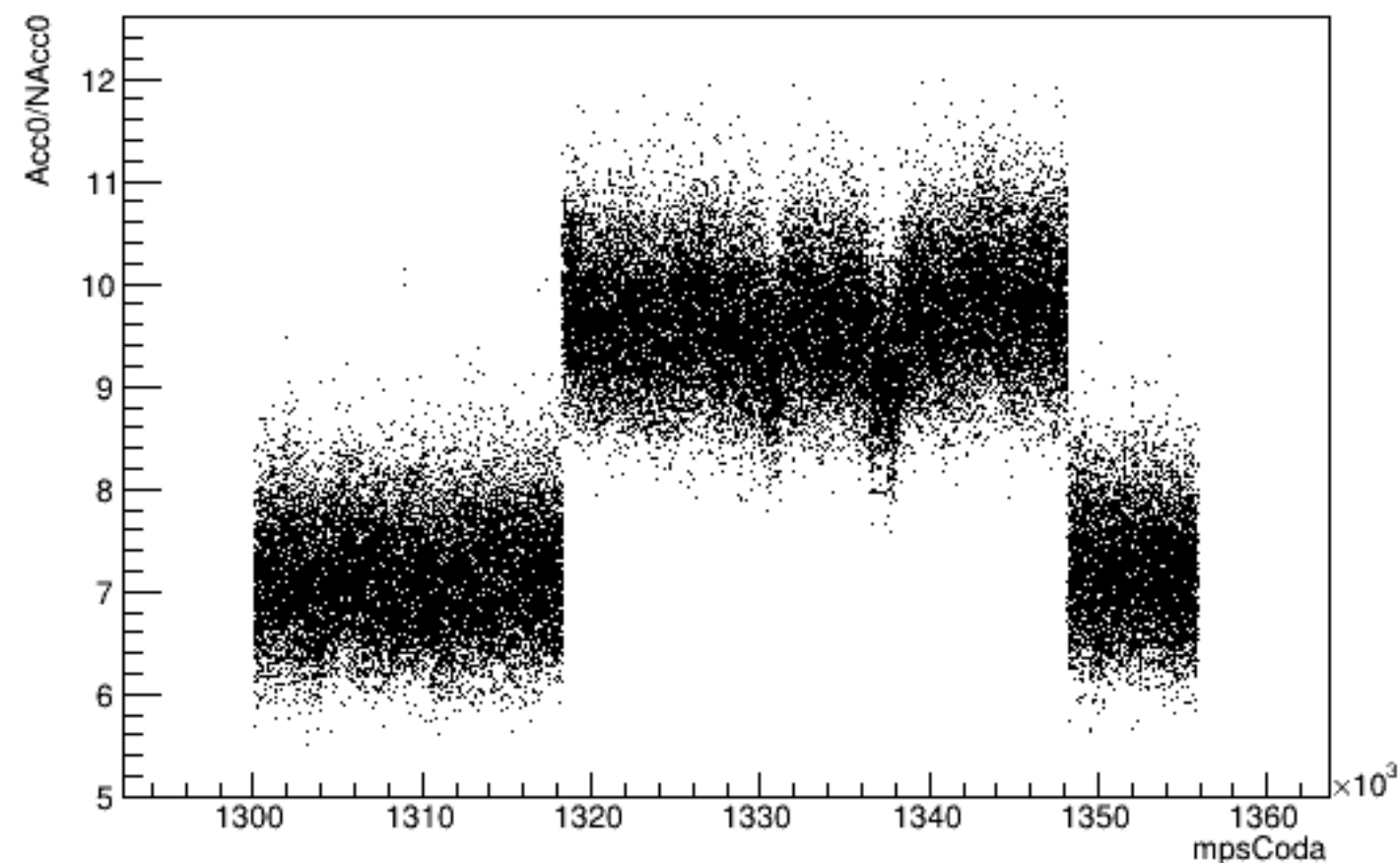
## Cycle 19, Asyms

| Entries: 2221              | Entries: 3735              | Entries: 918               |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0025 +/- 0.0015   | Mean: 0.0142 +/- 0.0012    | Mean: 0.0008 +/- 0.0023    |
| Std Dev: 0.0684 +/- 0.0010 | Std Dev: 0.0737 +/- 0.0009 | Std Dev: 0.0685 +/- 0.0016 |

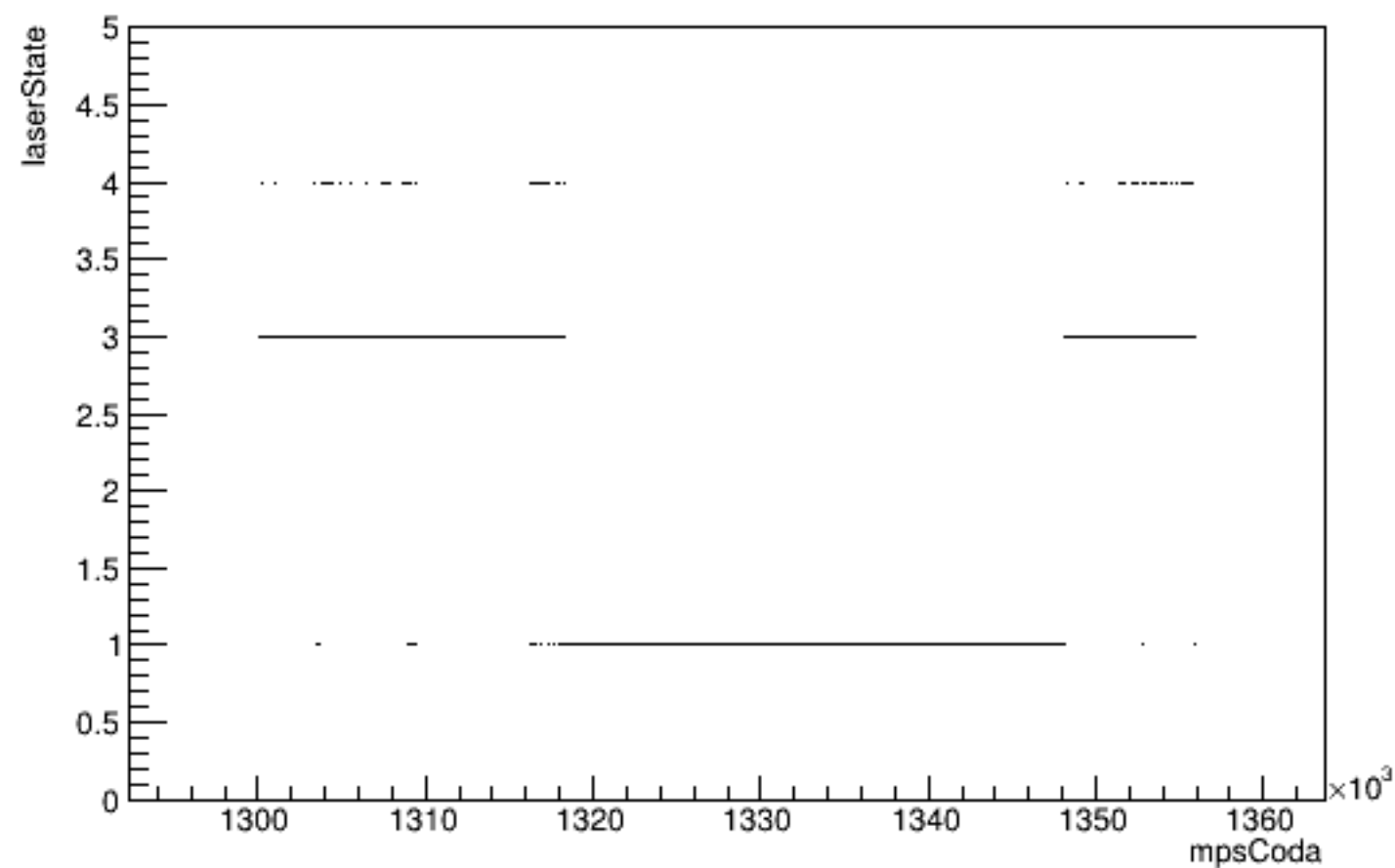
Run 4414 quartetwise, Asyms



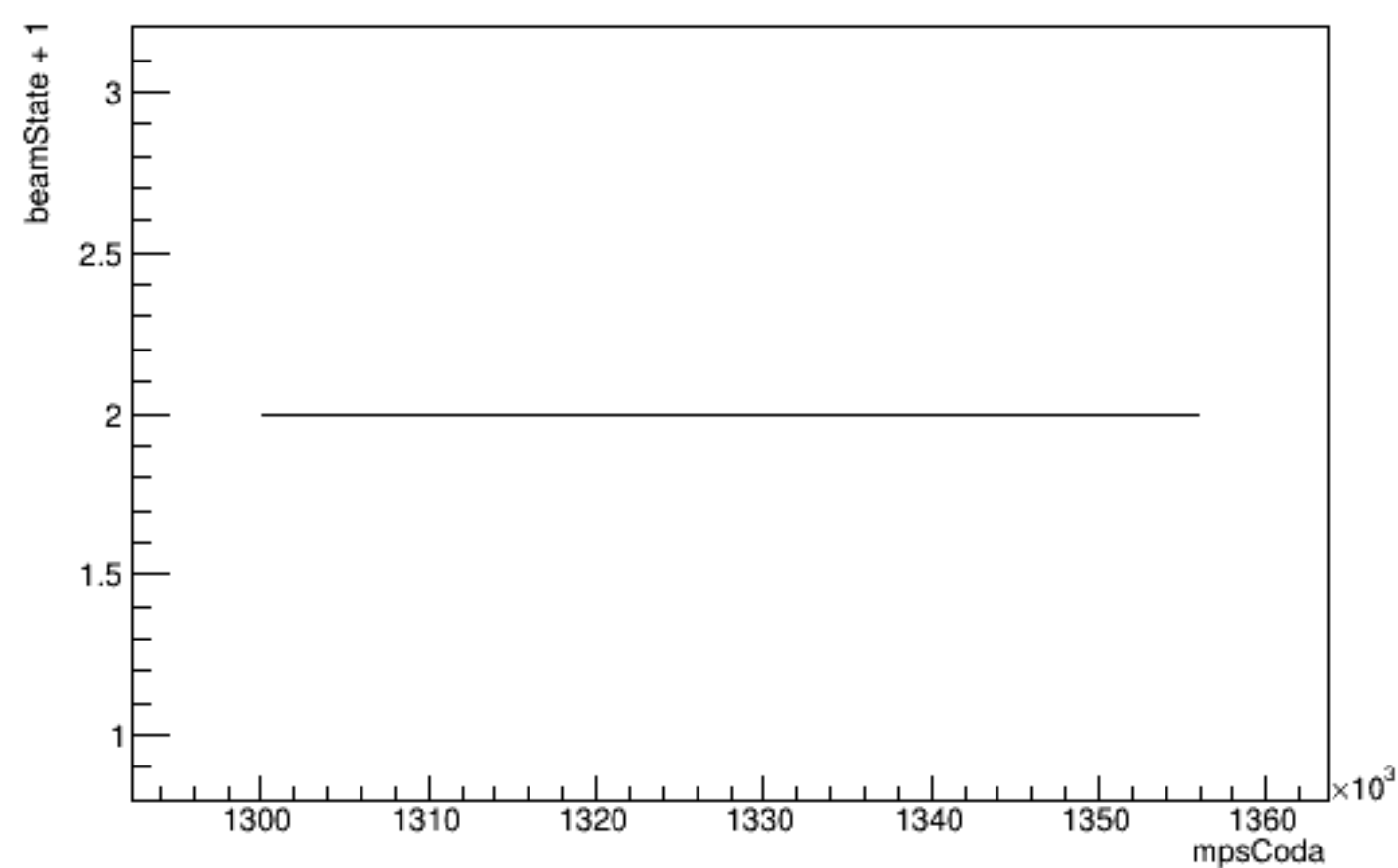
Acc0/NAcc0:mpsCoda (mpsCoda>=1300068 && mpsCoda<=1355859 && beamState==1)



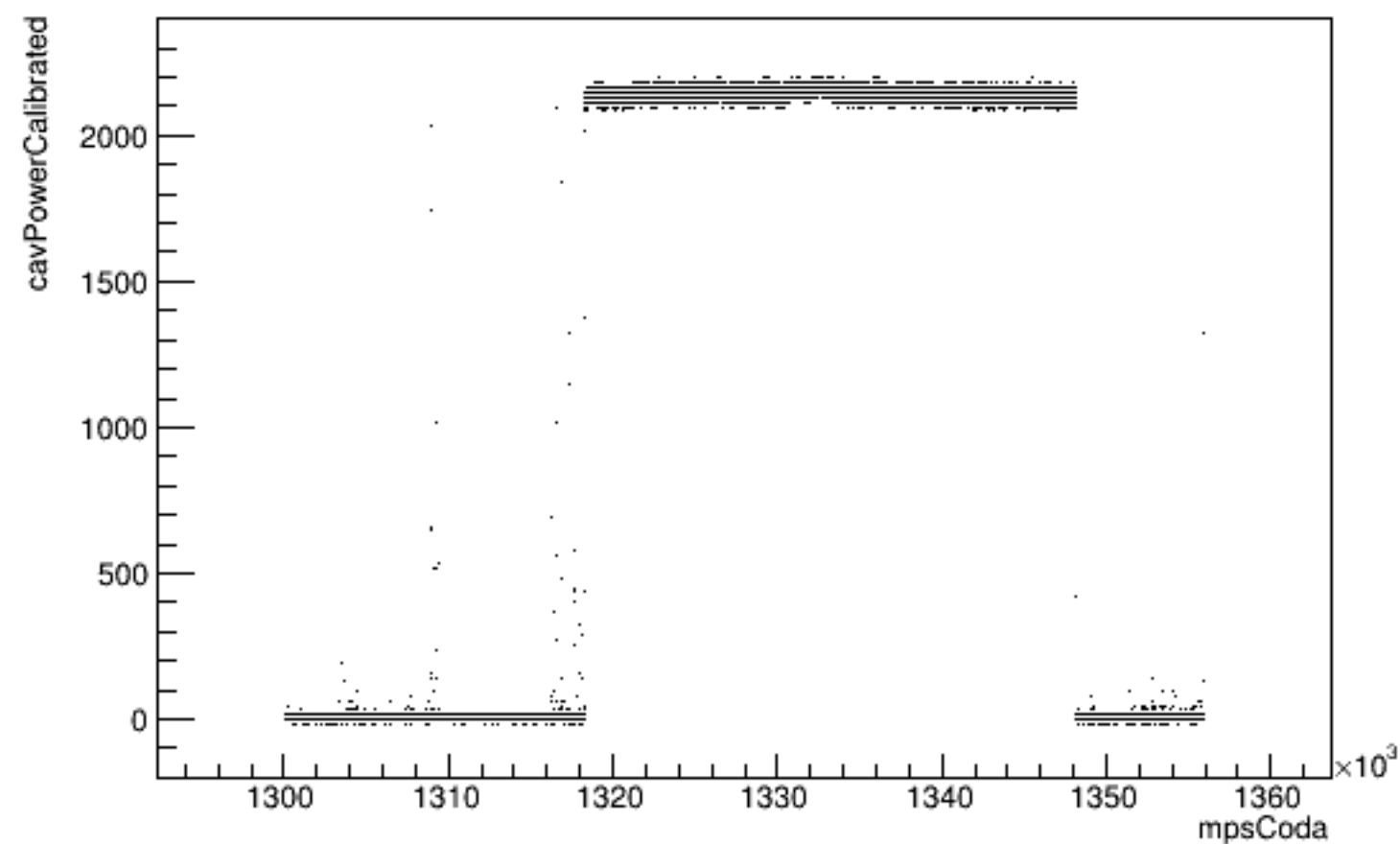
laserState:mpsCoda {mpsCoda&gt;=1300068 &amp;&amp; mpsCoda&lt;=1355859}



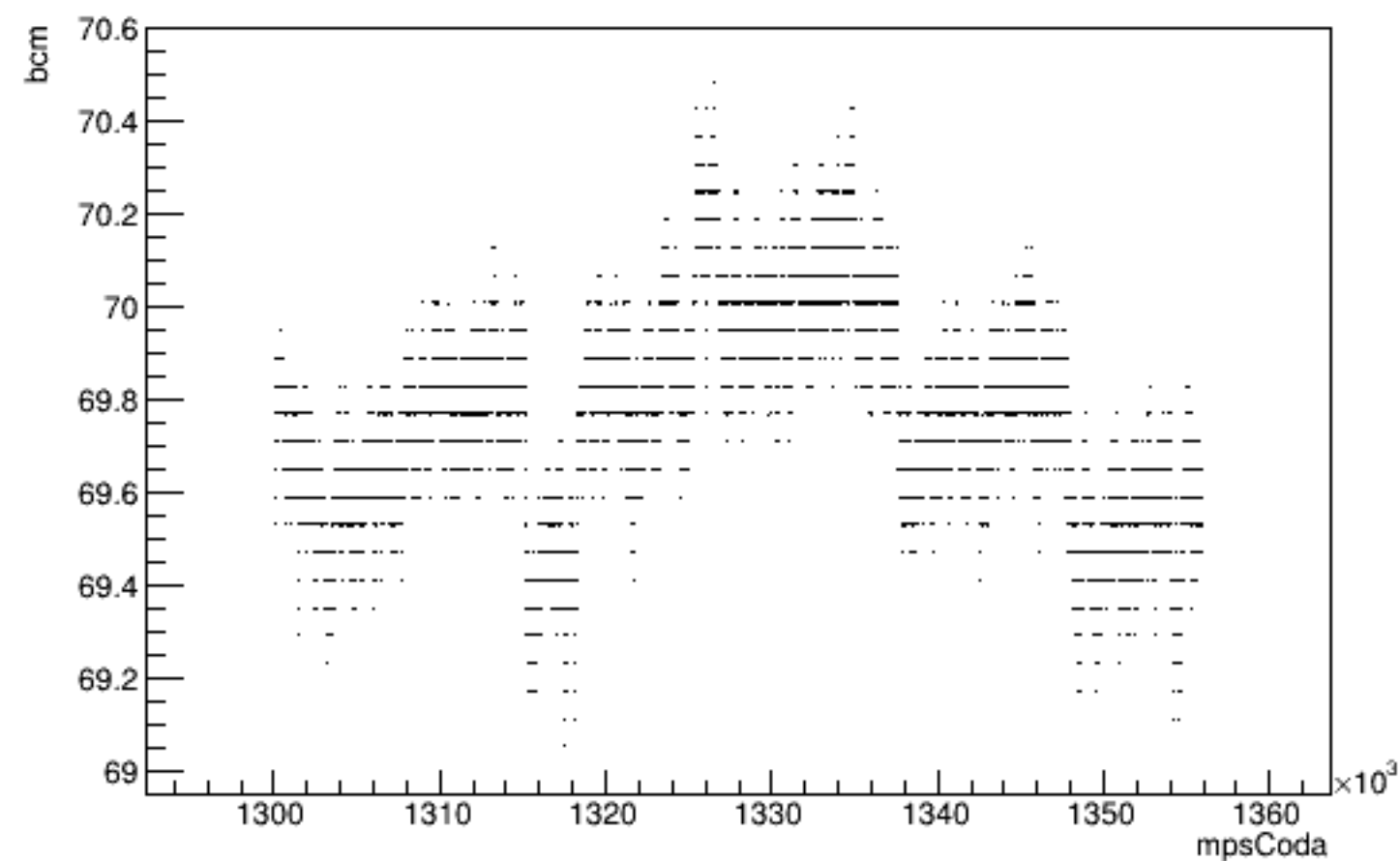
beamState + 1:mpsCoda {mpsCoda&gt;=1300068 &amp;&amp; mpsCoda&lt;=1355859}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1300068 &amp;&amp; mpsCoda&lt;=1355859}



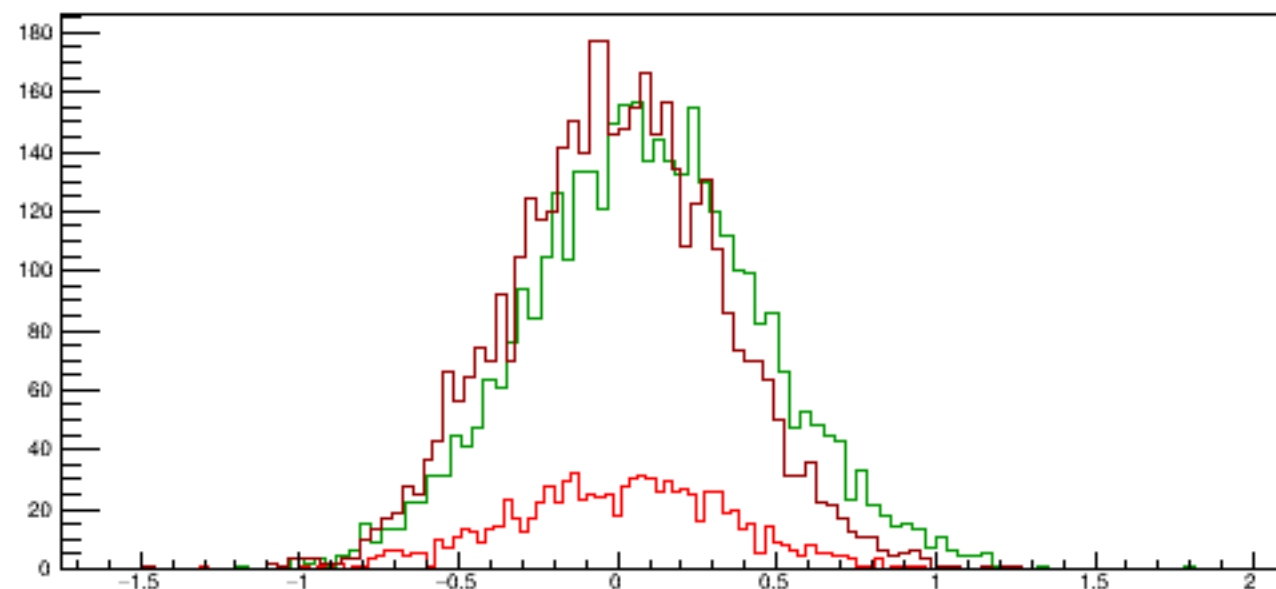
bcm:mpsCoda {mpsCoda&gt;=1300068 &amp;&amp; mpsCoda&lt;=1355859}



## Cycle 20, Diffs

| Entries: 918               | Entries: 3785              | Entries: 4112              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0041 +/- 0.0112    | Mean: 0.0890 +/- 0.0060    | Mean: -0.0047 +/- 0.0052   |
| Std Dev: 0.3384 +/- 0.0079 | Std Dev: 0.3686 +/- 0.0042 | Std Dev: 0.3342 +/- 0.0037 |

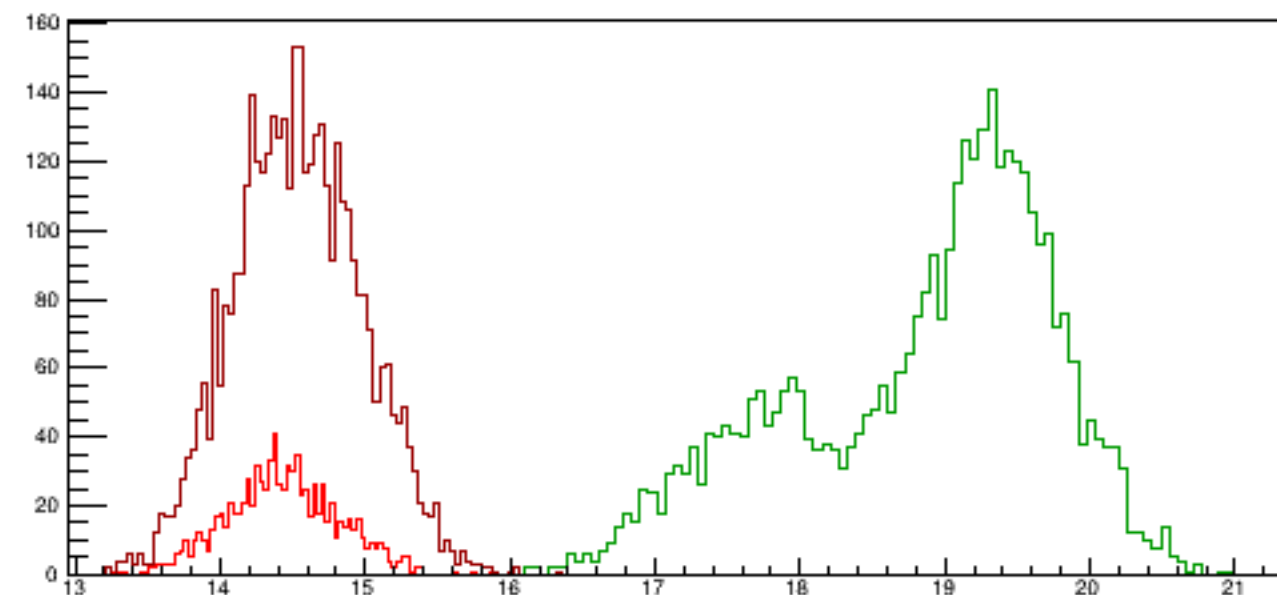
Run 4414 quartetwise, Diffs



## Cycle 20, Sums

| Entries: 918               | Entries: 3785              | Entries: 4112              |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.4357 +/- 0.0127   | Mean: 18.8360 +/- 0.0148   | Mean: 14.5403 +/- 0.0069   |
| Std Dev: 0.3860 +/- 0.0090 | Std Dev: 0.9131 +/- 0.0105 | Std Dev: 0.4403 +/- 0.0049 |

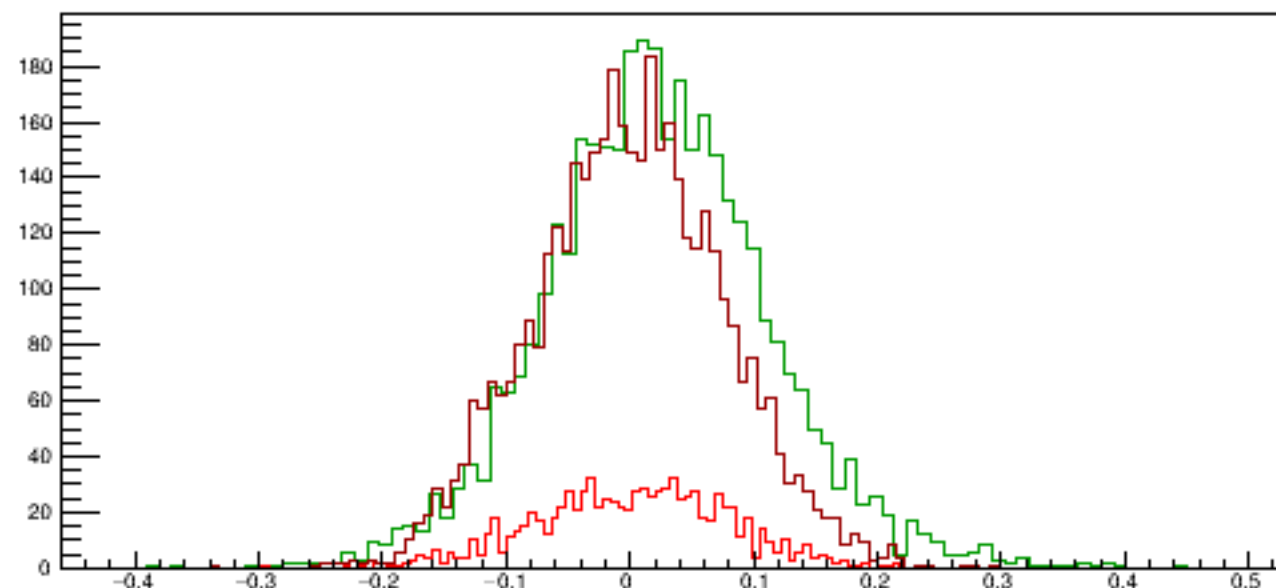
Run 4414 quartetwise, Sums



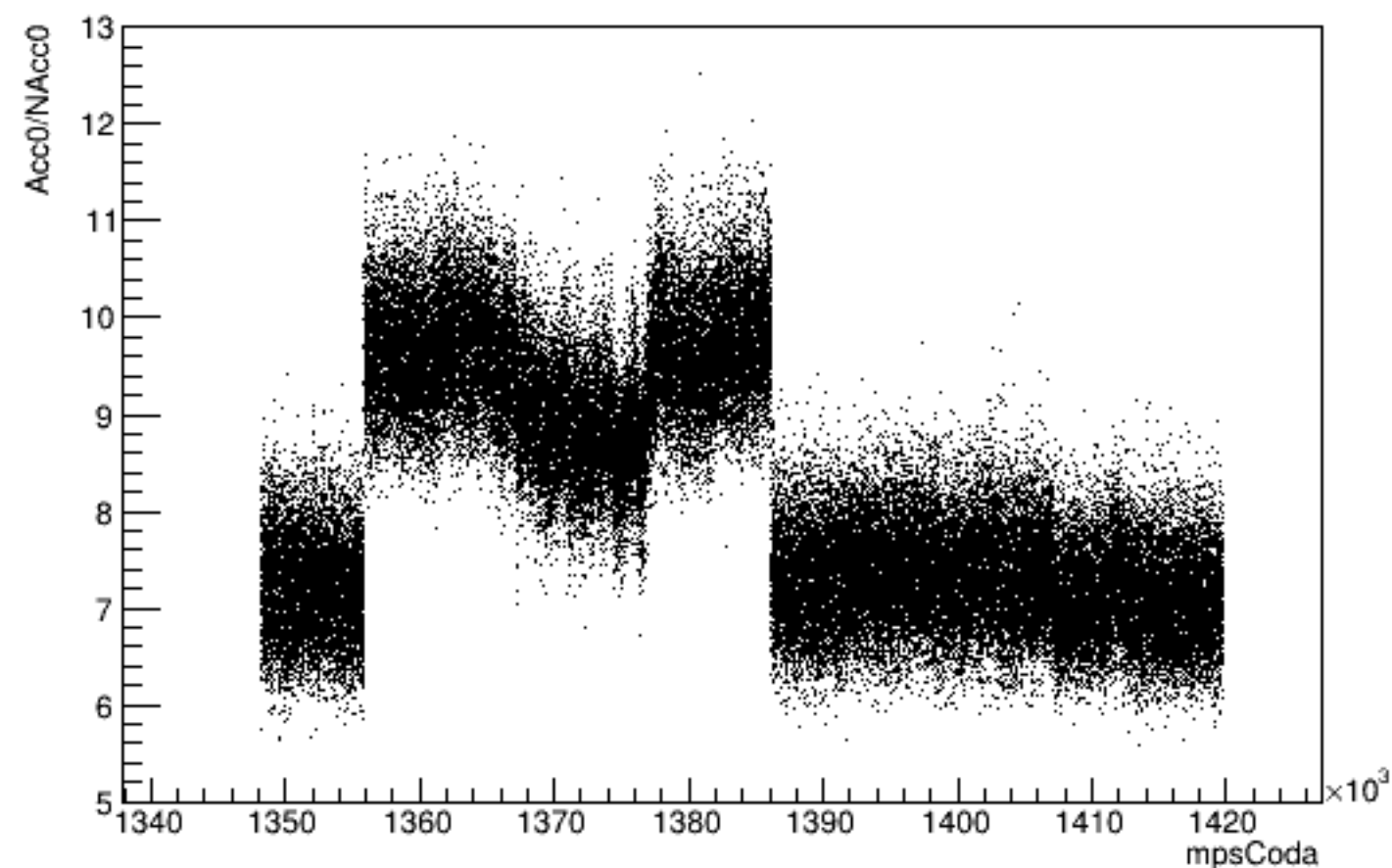
## Cycle 20, Asyms

| Entries: 918               | Entries: 3785              | Entries: 4112              |
|----------------------------|----------------------------|----------------------------|
| Mean: 0.0009 +/- 0.0026    | Mean: 0.0216 +/- 0.0015    | Mean: -0.0011 +/- 0.0012   |
| Std Dev: 0.0778 +/- 0.0018 | Std Dev: 0.0917 +/- 0.0011 | Std Dev: 0.0769 +/- 0.0008 |

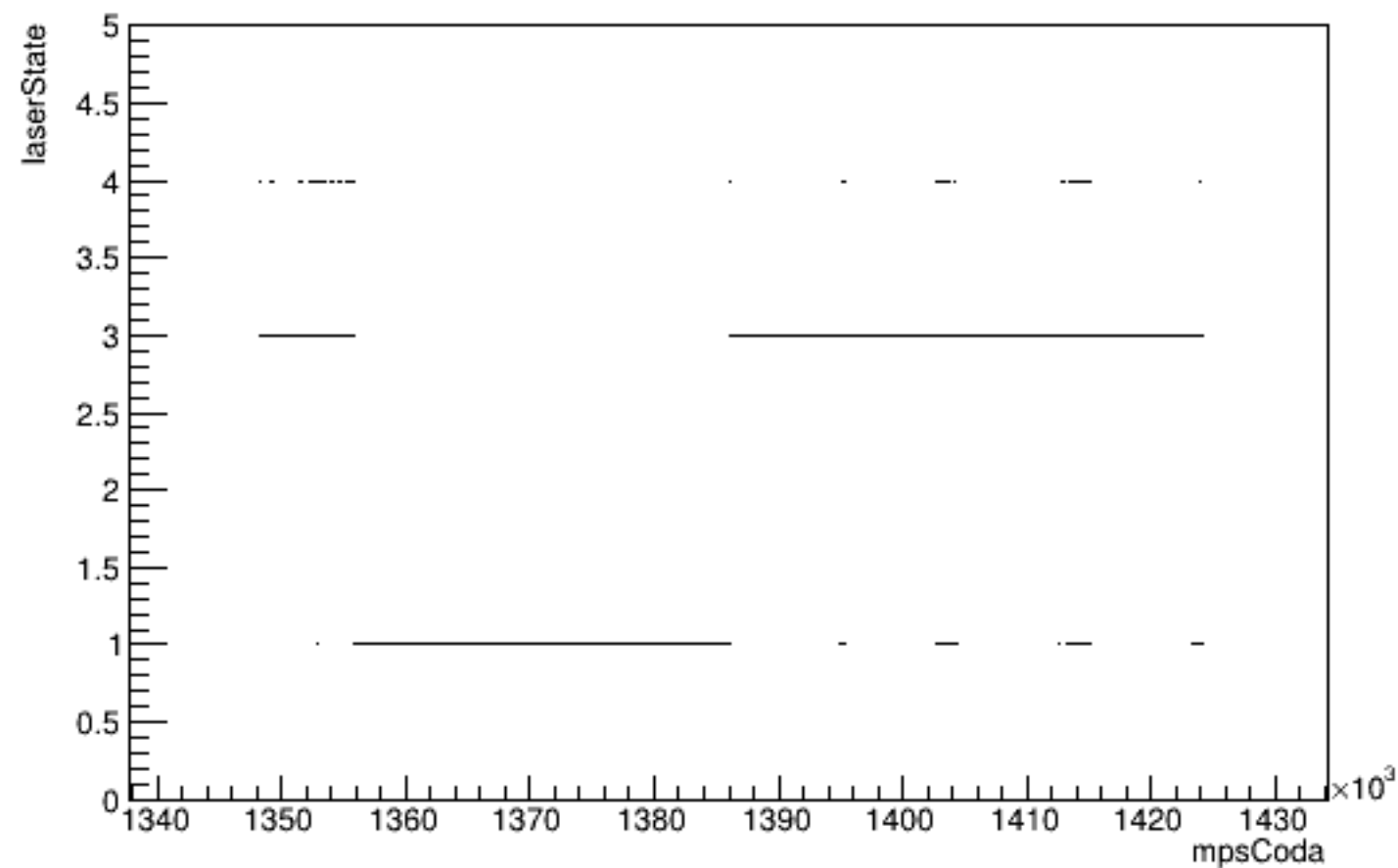
Run 4414 quartetwise, Asyms



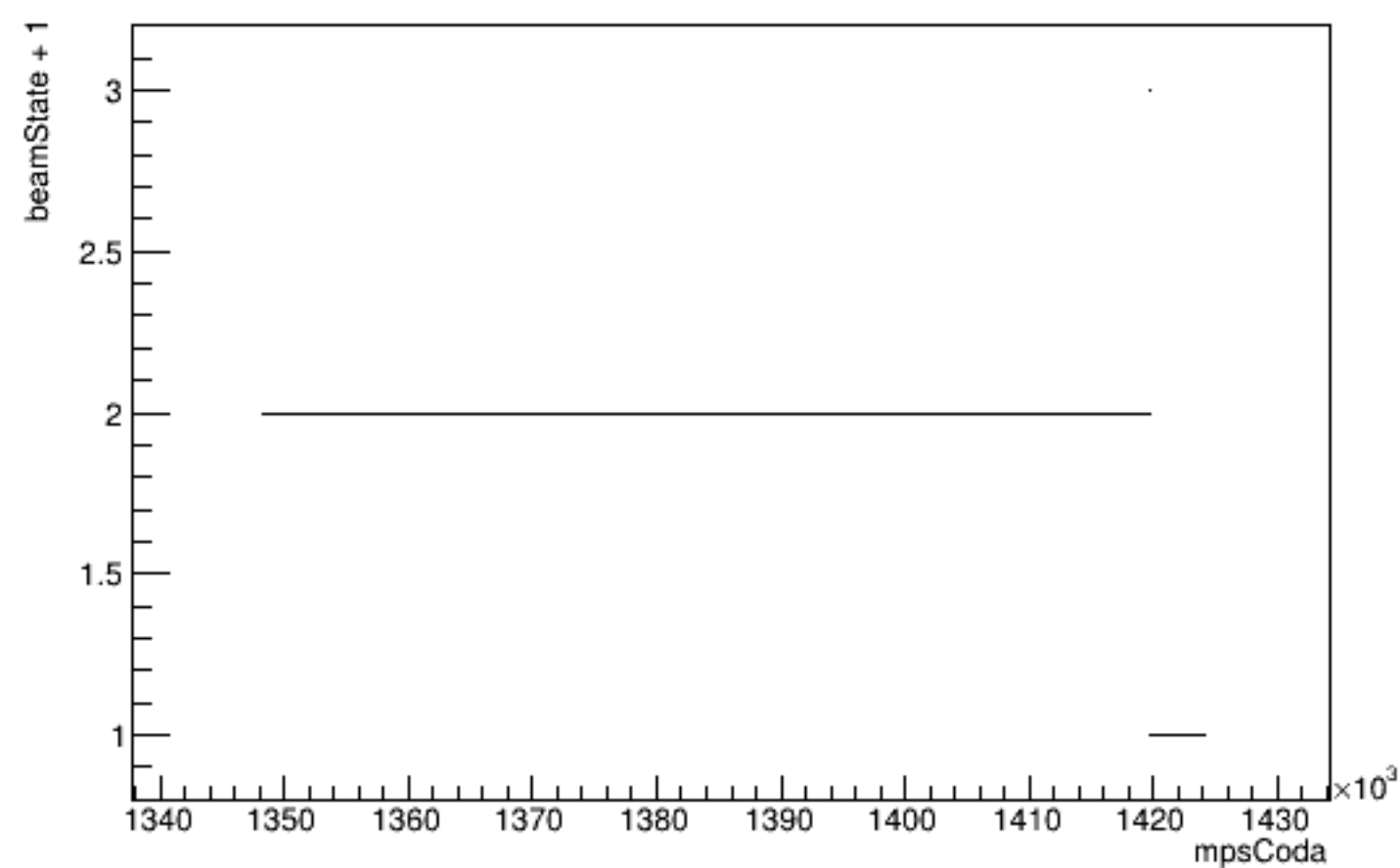
Acc0/NAcc0:mpsCoda (mpsCoda>=1348204 && mpsCoda<=1424171 && beamState==1)



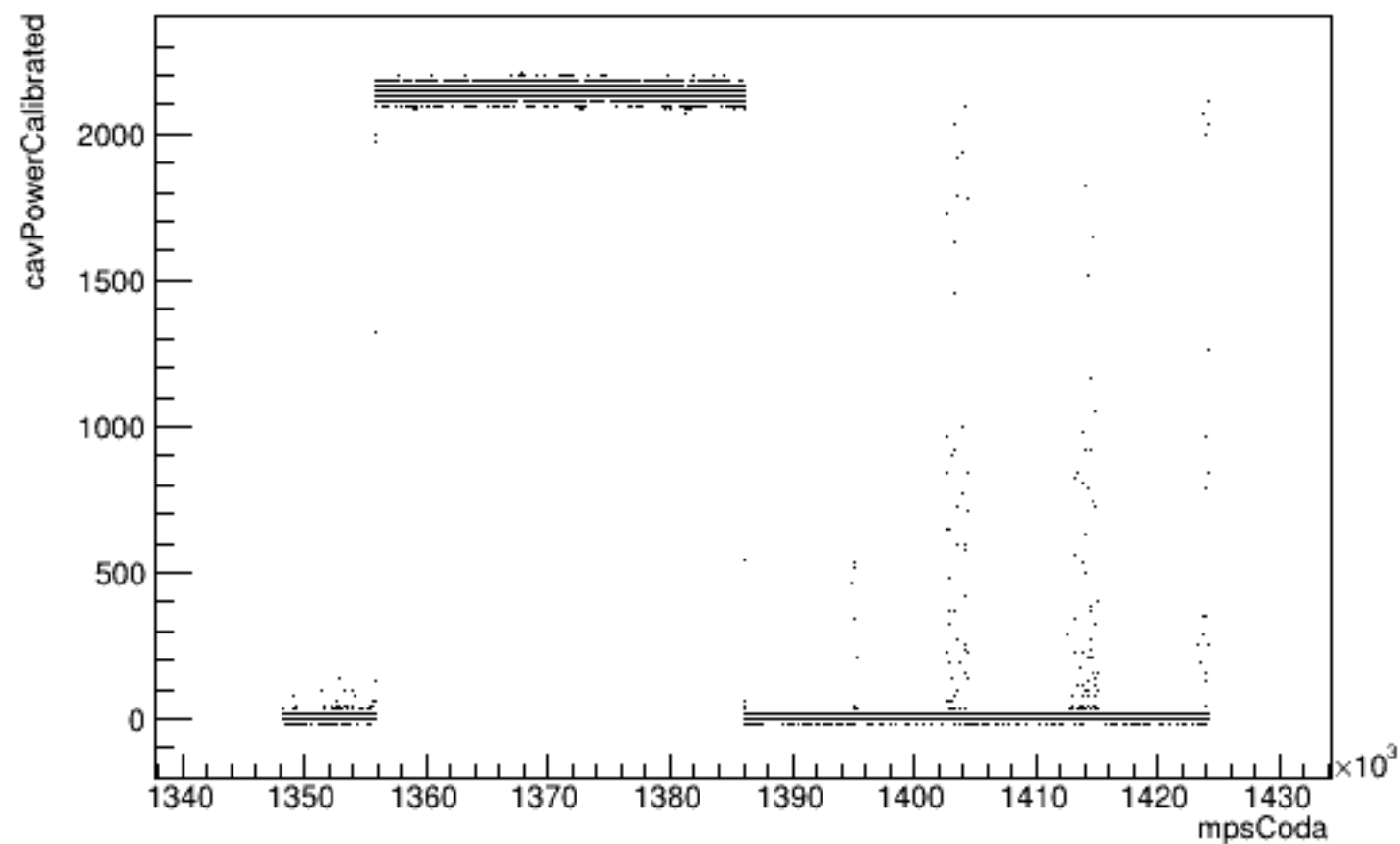
laserState:mpsCoda {mpsCoda&gt;=1348204 &amp;&amp; mpsCoda&lt;=1424171}



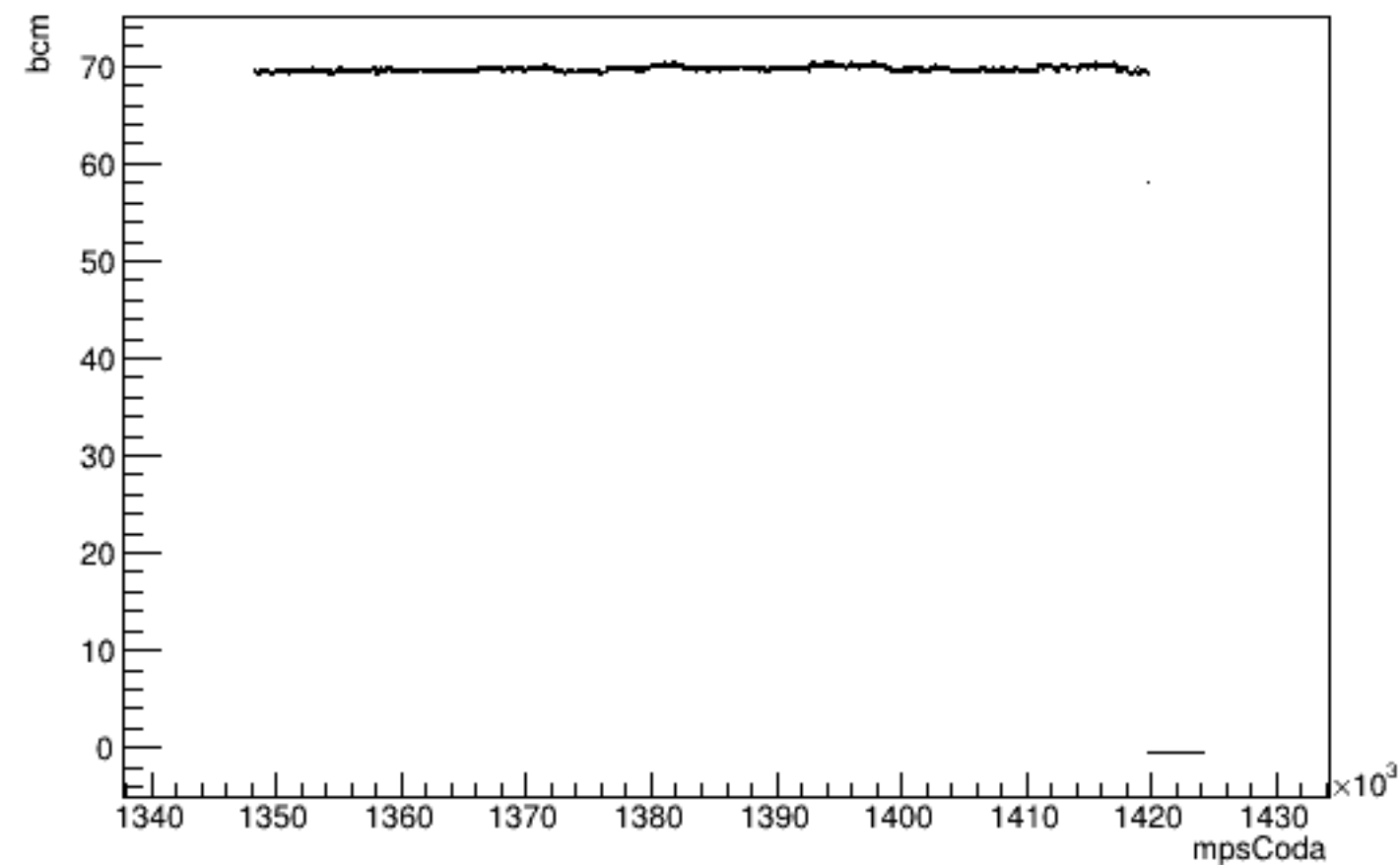
beamState + 1:mpsCoda {mpsCoda&gt;=1348204 &amp;&amp; mpsCoda&lt;=1424171}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1348204 &amp;&amp; mpsCoda&lt;=1424171}



bcm:mpsCoda {mpsCoda&gt;=1348204 &amp;&amp; mpsCoda&lt;=1424171}



## Cycle 21, Diffs

Entries: 4112

Mean: -0.0047 +/- 0.0052

Std Dev: 0.3342 +/- 0.0037

Entries: 1630

Mean: 0.0800 +/- 0.0082

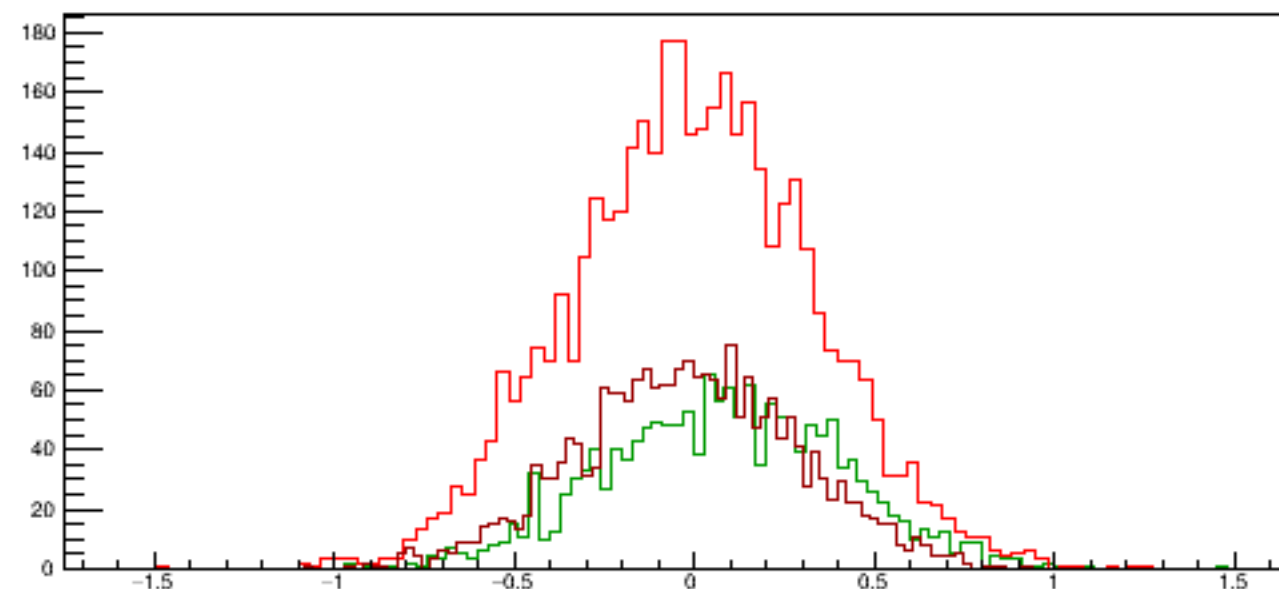
Std Dev: 0.3291 +/- 0.0058

Entries: 2169

Mean: -0.0186 +/- 0.0065

Std Dev: 0.3020 +/- 0.0046

Run 4414 quartetwise, Diffs



## Cycle 21, Sums

Entries: 4112

Mean: 14.5403 +/- 0.0069

Std Dev: 0.4403 +/- 0.0049

Entries: 1630

Mean: 19.4745 +/- 0.0099

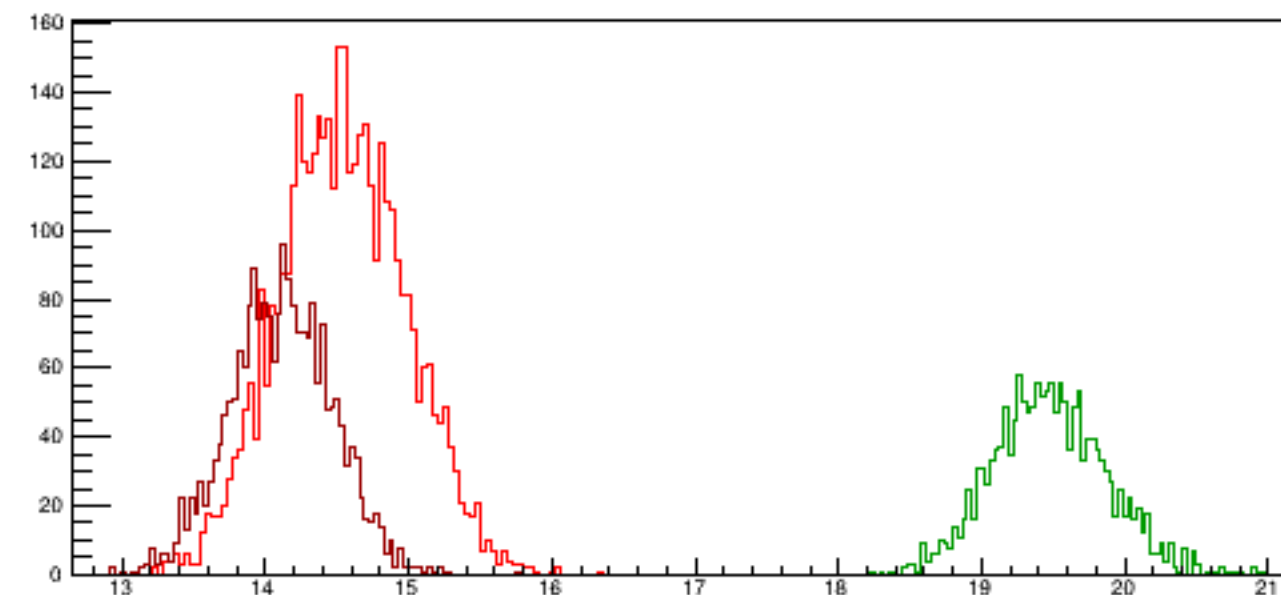
Std Dev: 0.4006 +/- 0.0070

Entries: 2169

Mean: 14.1129 +/- 0.0077

Std Dev: 0.3578 +/- 0.0054

Run 4414 quartetwise, Sums



## Cycle 21, Asyms

Entries: 4112

Mean: -0.0009 +/- 0.0010

Std Dev: 0.0649 +/- 0.0007

Entries: 1630

Mean: 0.0156 +/- 0.0016

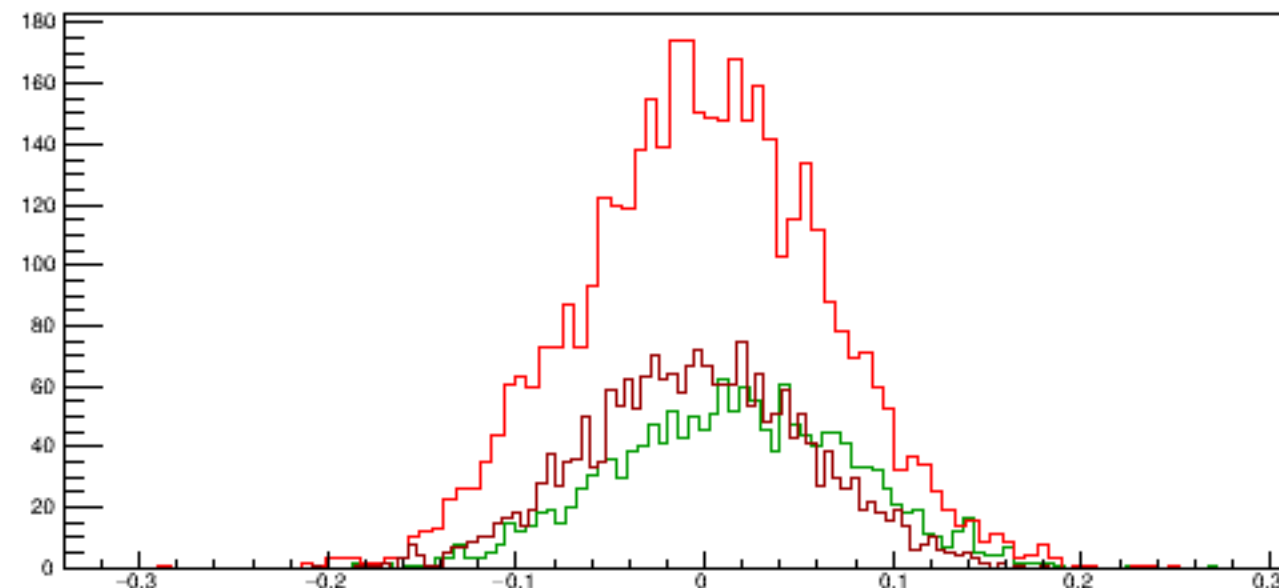
Std Dev: 0.0641 +/- 0.0011

Entries: 2169

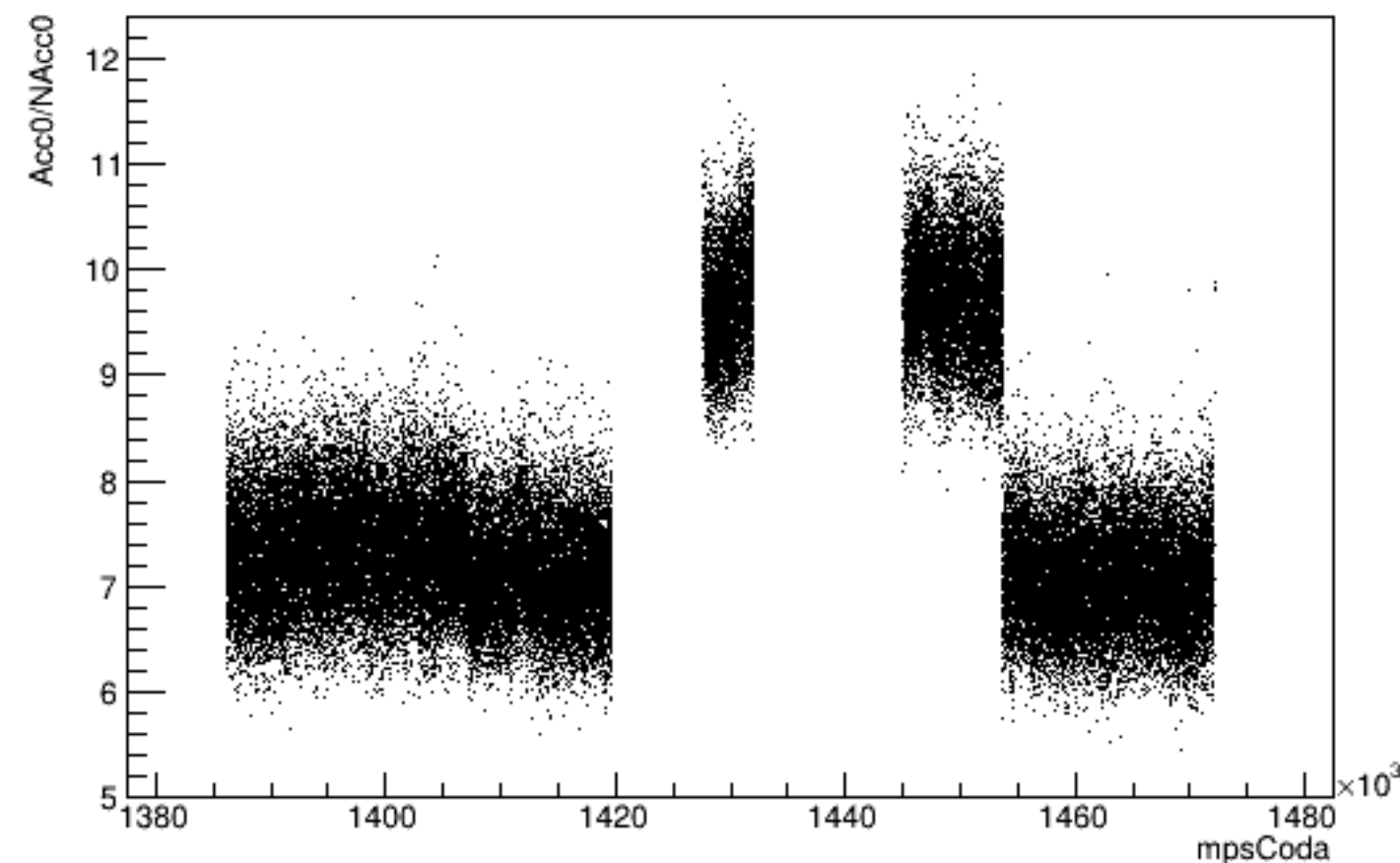
Mean: -0.0036 +/- 0.0013

Std Dev: 0.0587 +/- 0.0009

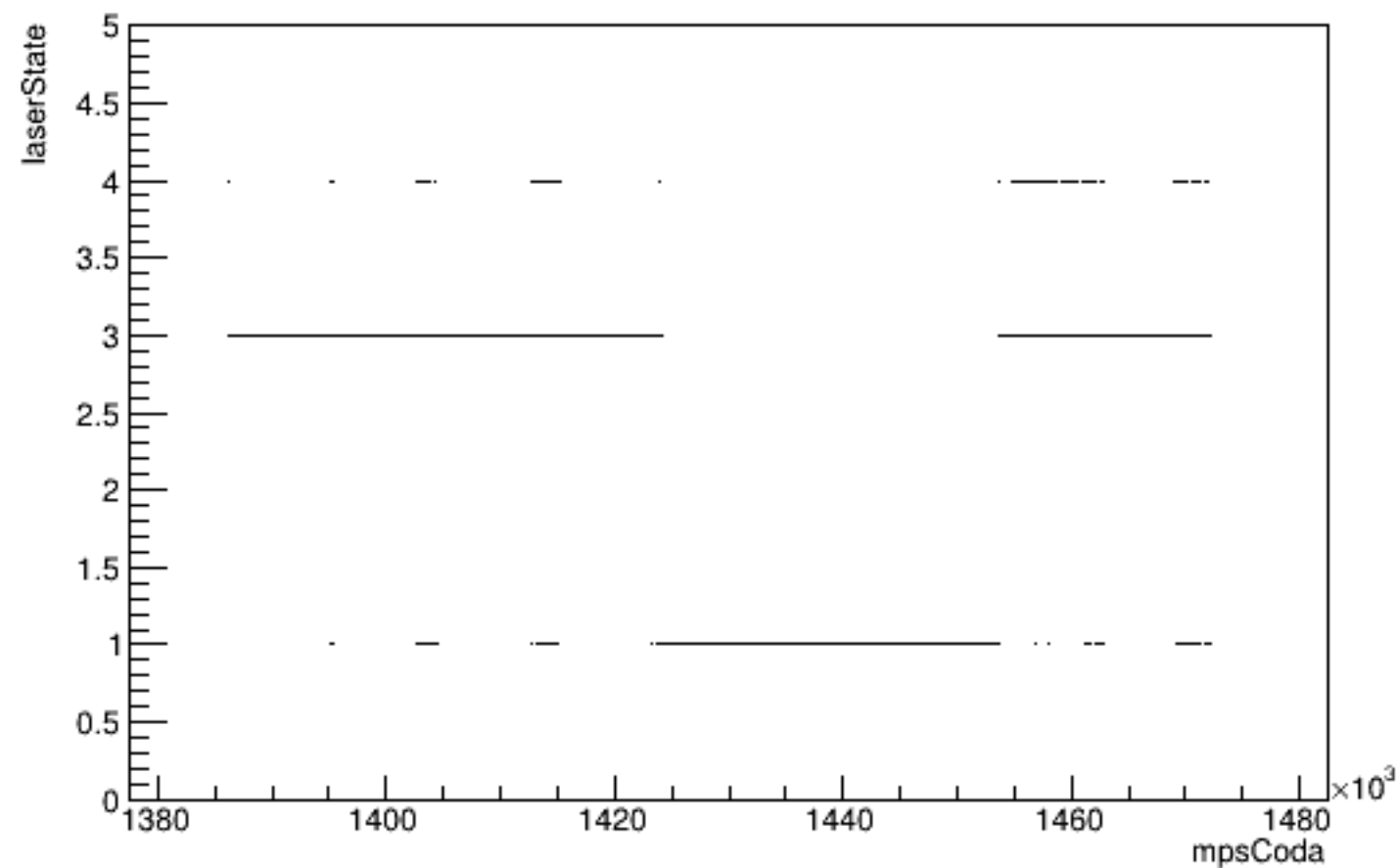
Run 4414 quartetwise, Asyms



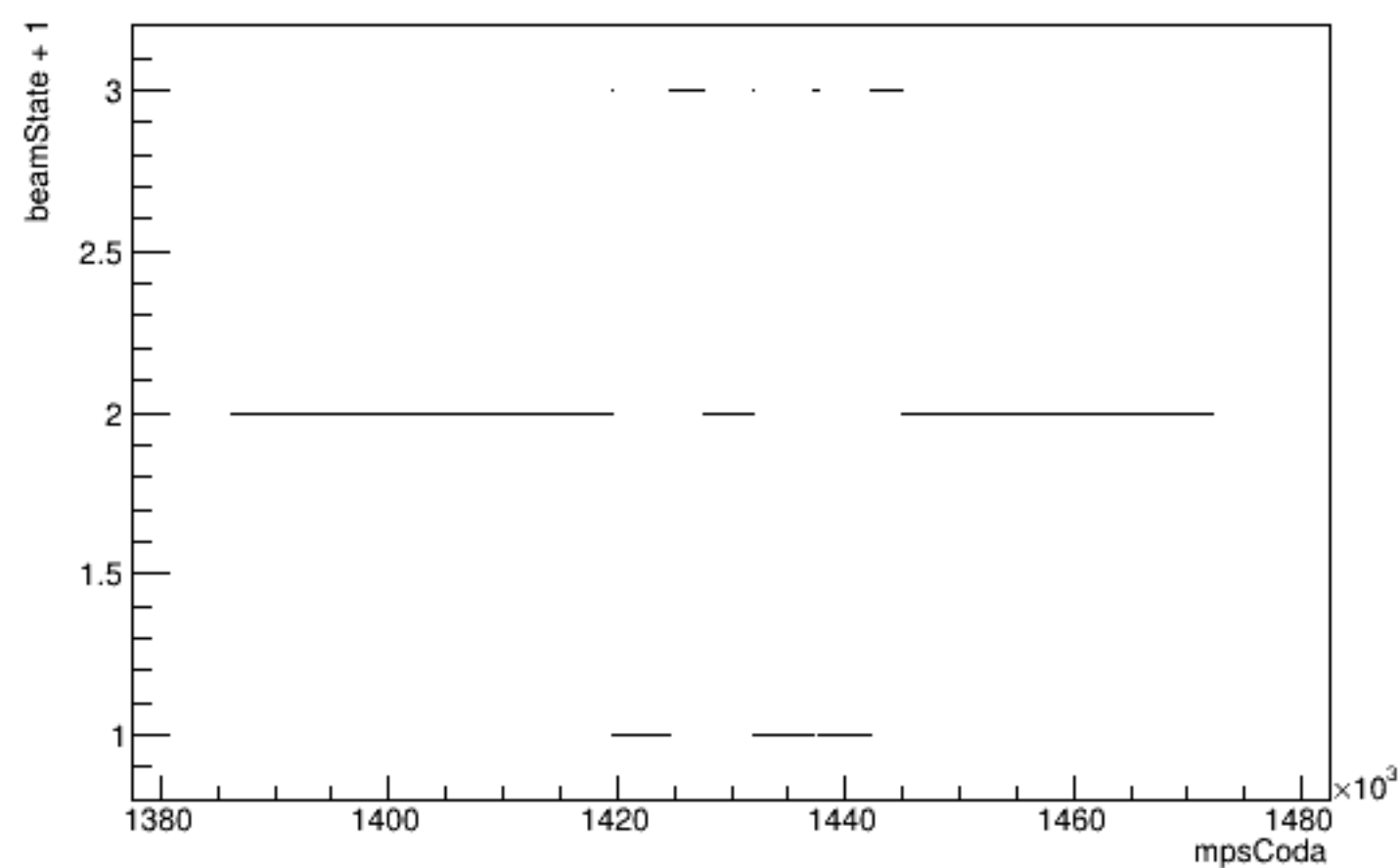
Acc0/NAcc0:mpsCoda (mpsCoda>=1386148 && mpsCoda<=1472075 && beamState==1)



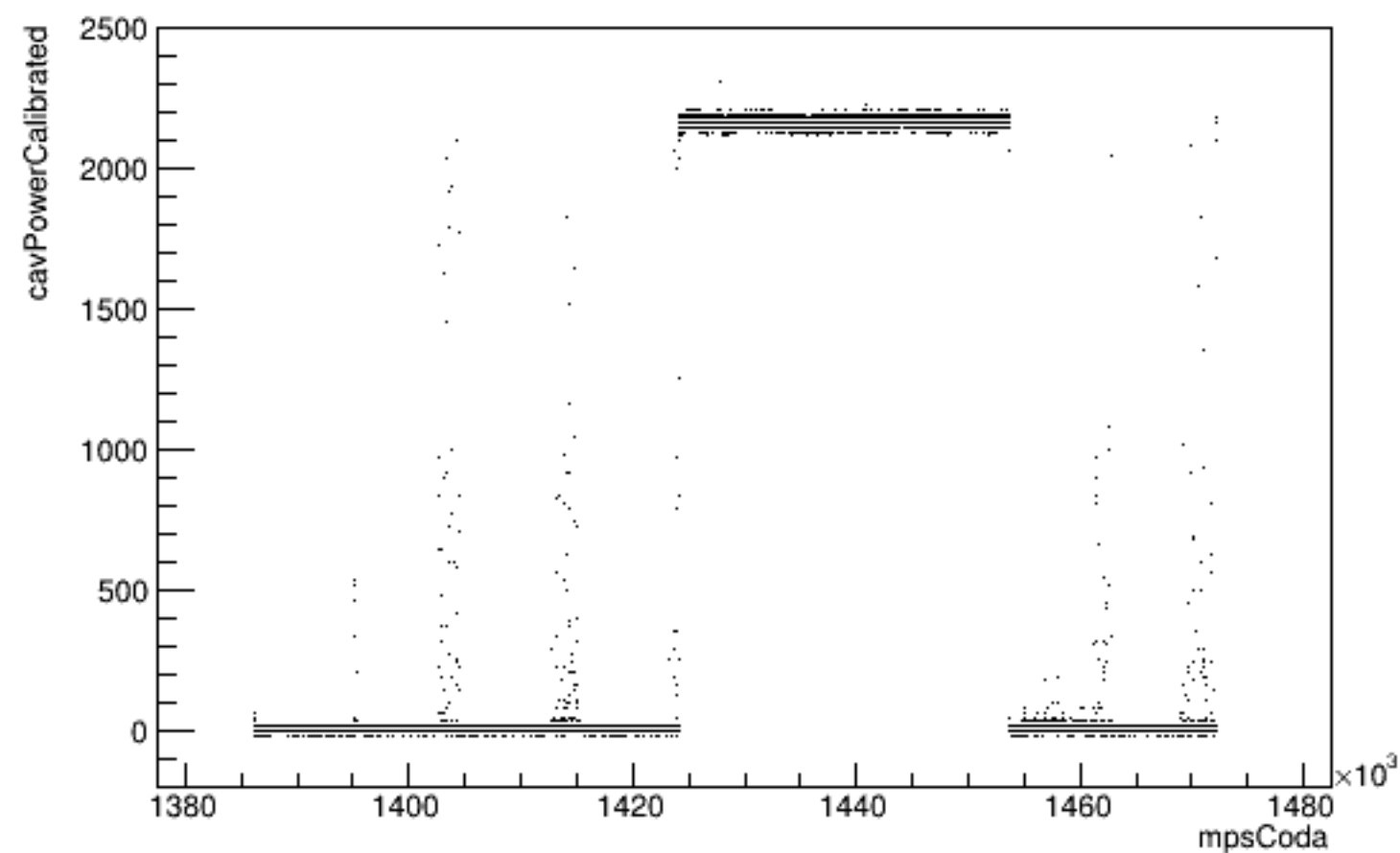
laserState:mpsCoda {mpsCoda&gt;=1386148 &amp;&amp; mpsCoda&lt;=1472075}



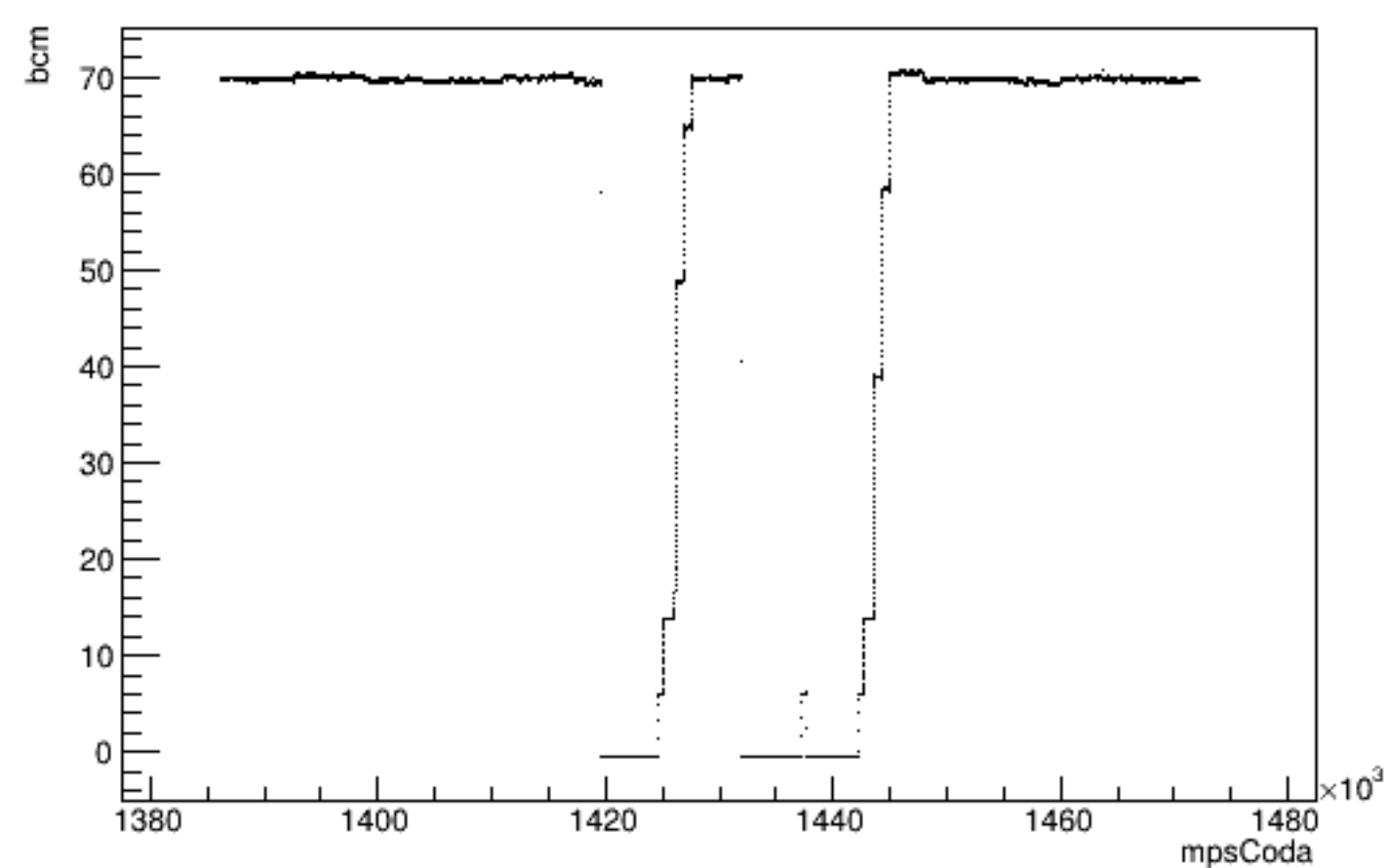
beamState + 1:mpsCoda {mpsCoda&gt;=1386148 &amp;&amp; mpsCoda&lt;=1472075}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1386148 &amp;&amp; mpsCoda&lt;=1472075}



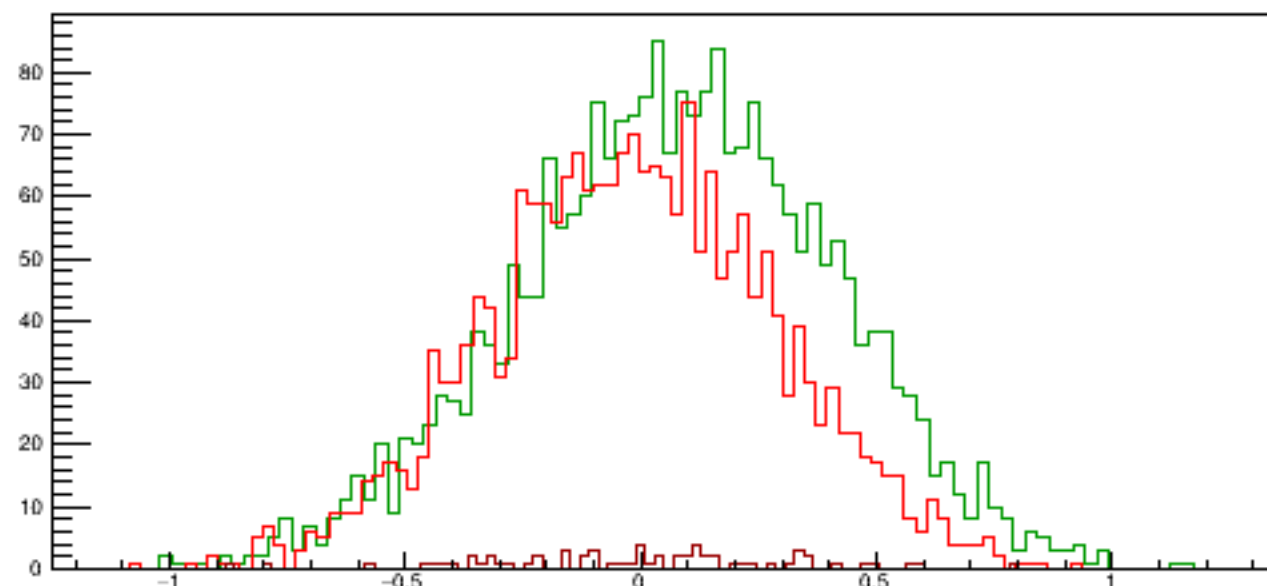
bcm:mpsCoda {mpsCoda&gt;=1386148 &amp;&amp; mpsCoda&lt;=1472075}



## Cycle 22, Diffs

| Entries: 2169              | Entries: 2528              | Entries: 63                |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0186 +/- 0.0065   | Mean: 0.0715 +/- 0.0066    | Mean: -0.0033 +/- 0.0404   |
| Std Dev: 0.3020 +/- 0.0046 | Std Dev: 0.3336 +/- 0.0047 | Std Dev: 0.3204 +/- 0.0285 |

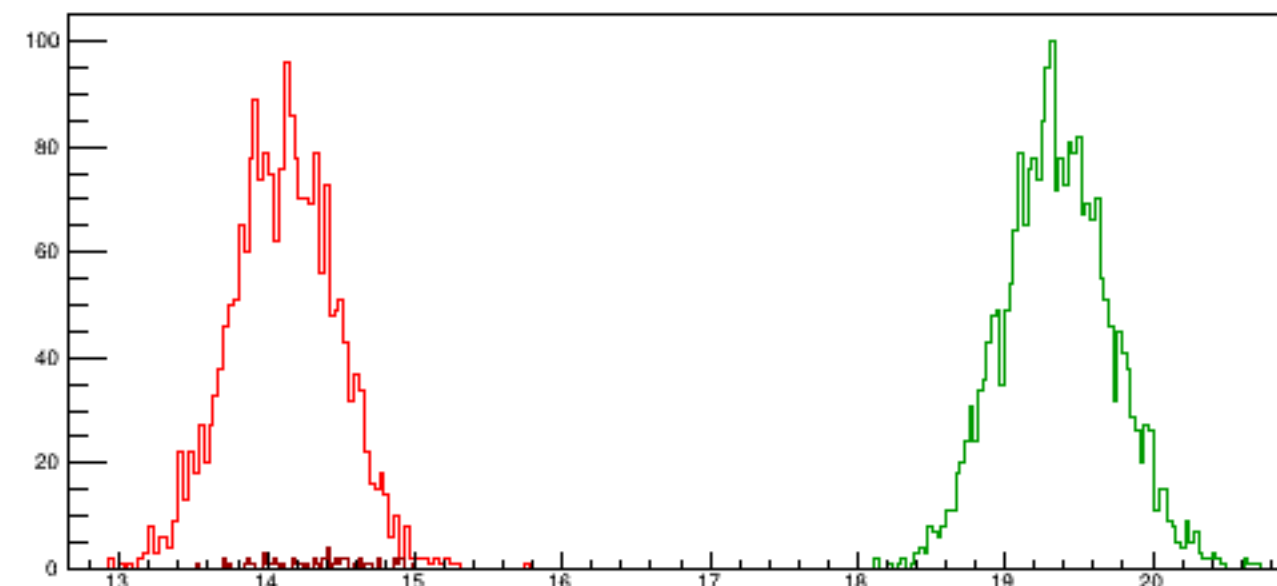
Run 4414 quartetwise, Diffs



## Cycle 22, Sums

| Entries: 2169              | Entries: 2528              | Entries: 63                |
|----------------------------|----------------------------|----------------------------|
| Mean: 14.1129 +/- 0.0077   | Mean: 19.3534 +/- 0.0074   | Mean: 14.3465 +/- 0.0444   |
| Std Dev: 0.3578 +/- 0.0054 | Std Dev: 0.3741 +/- 0.0053 | Std Dev: 0.3527 +/- 0.0314 |

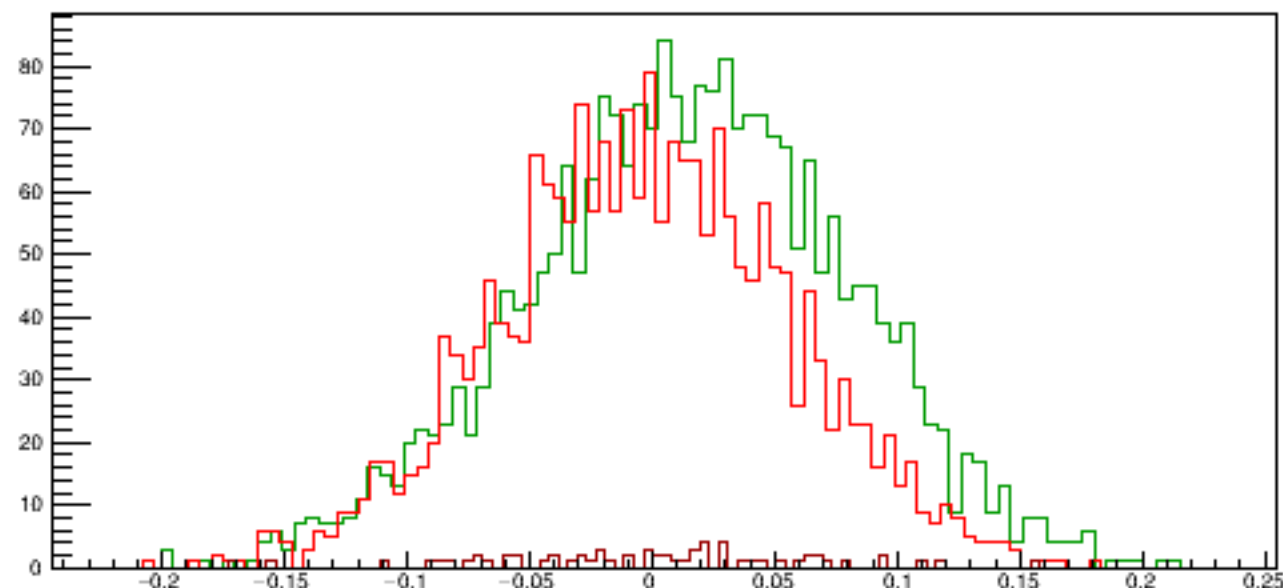
Run 4414 quartetwise, Sums



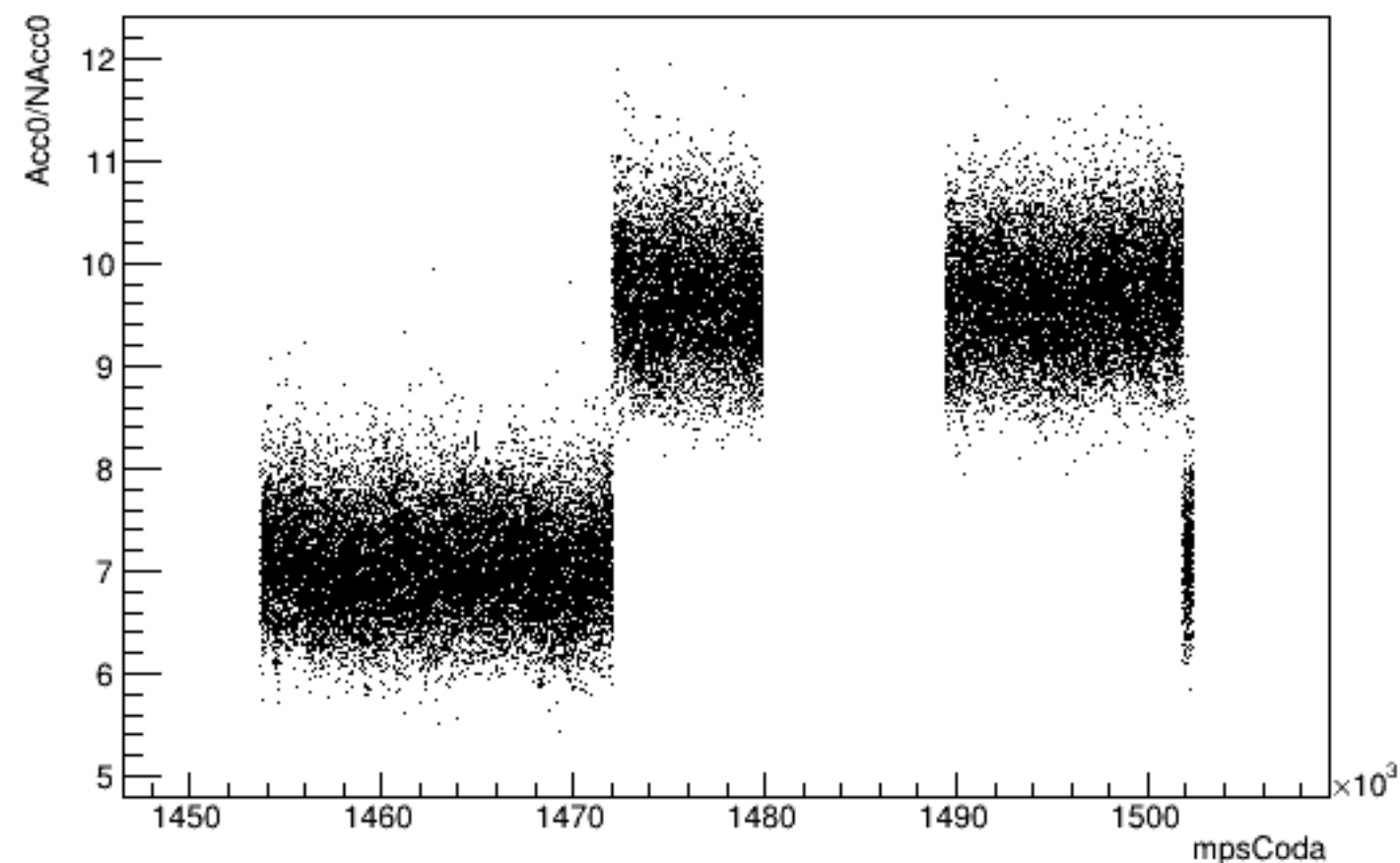
## Cycle 22, Asyms

| Entries: 2169              | Entries: 2528              | Entries: 63                |
|----------------------------|----------------------------|----------------------------|
| Mean: -0.0036 +/- 0.0013   | Mean: 0.0139 +/- 0.0013    | Mean: -0.0006 +/- 0.0079   |
| Std Dev: 0.0589 +/- 0.0009 | Std Dev: 0.0653 +/- 0.0009 | Std Dev: 0.0625 +/- 0.0056 |

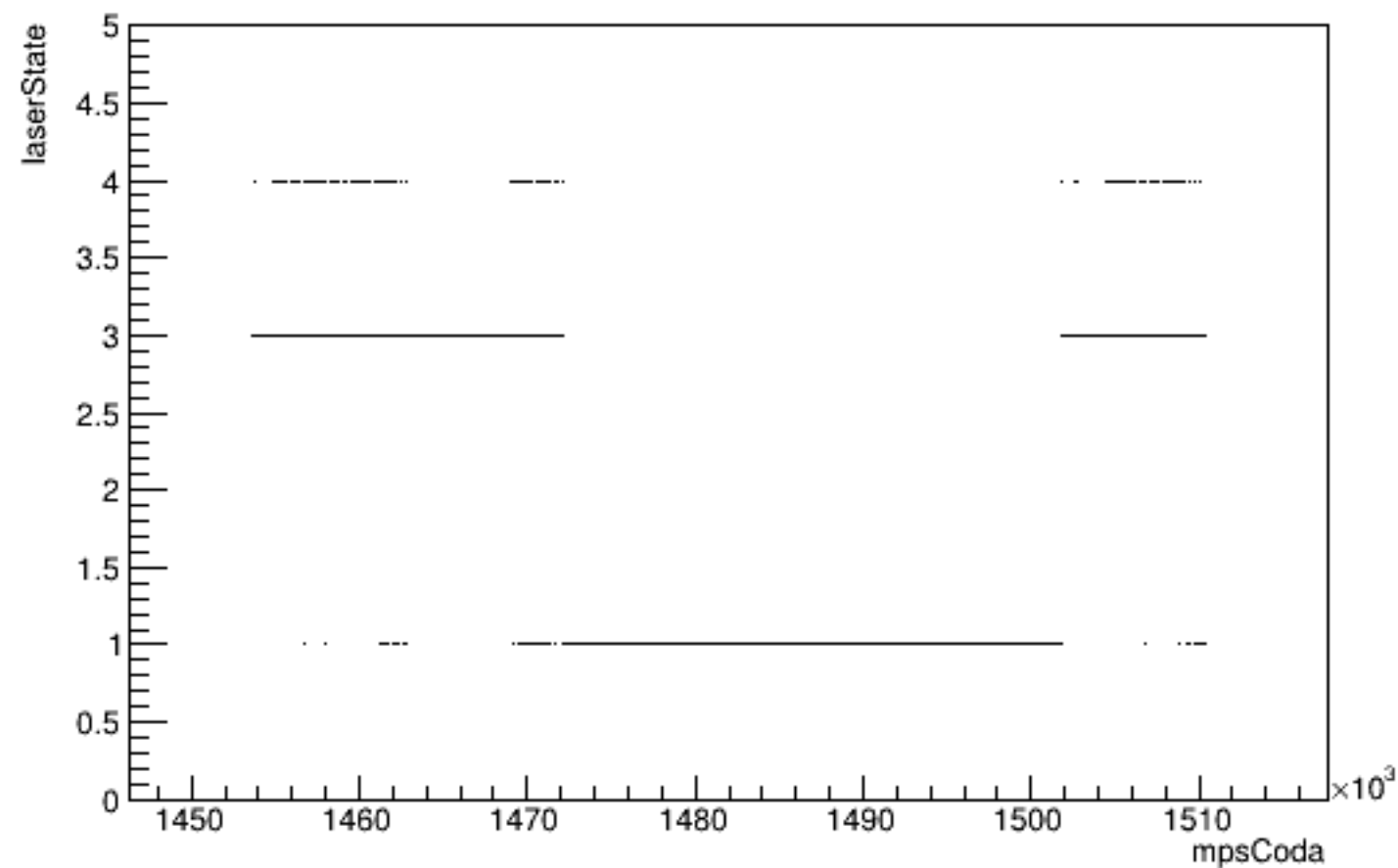
Run 4414 quartetwise, Asyms



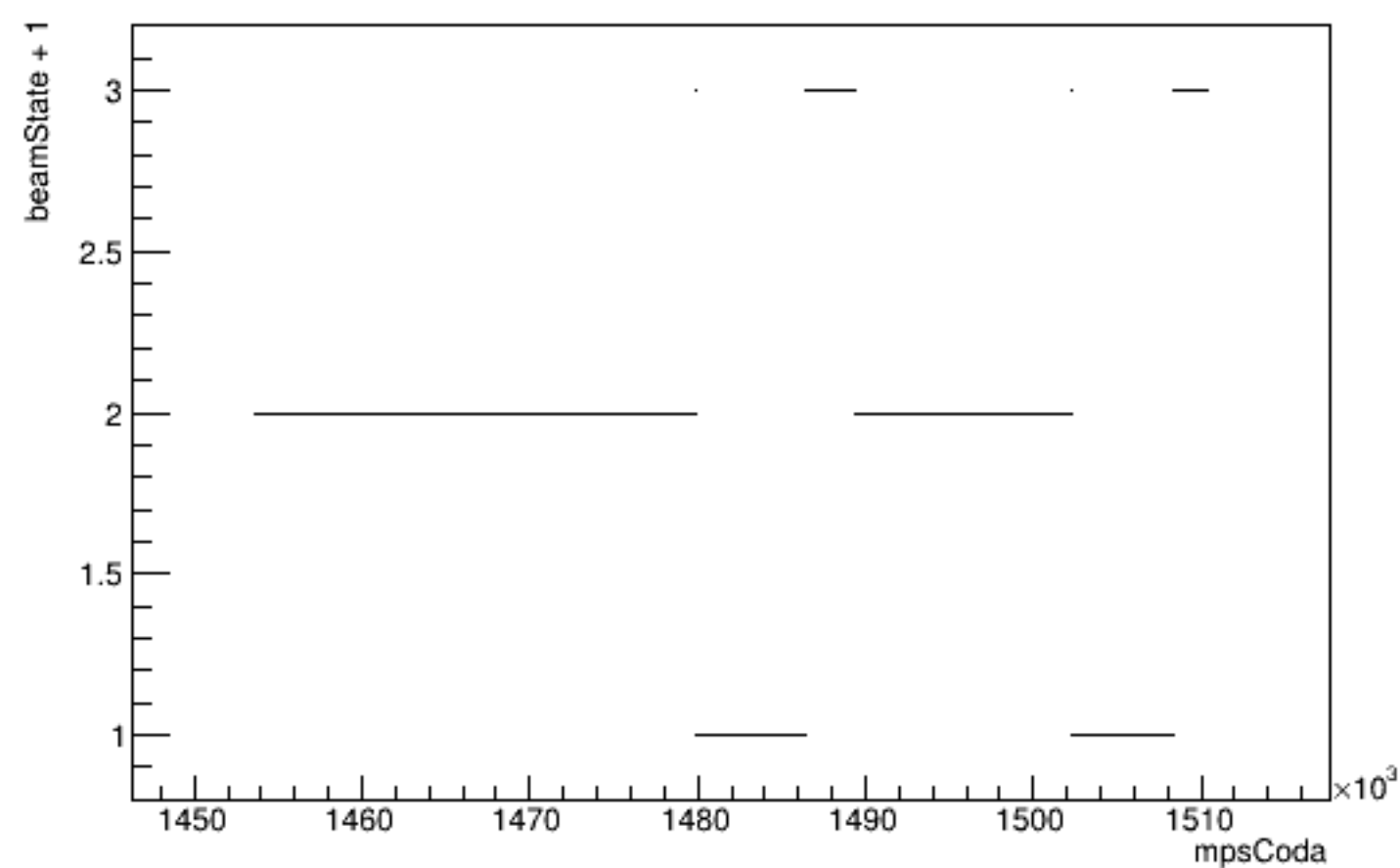
Acc0/NAcc0:mpsCoda (mpsCoda>=1453700 && mpsCoda<=1510395 && beamState==1)



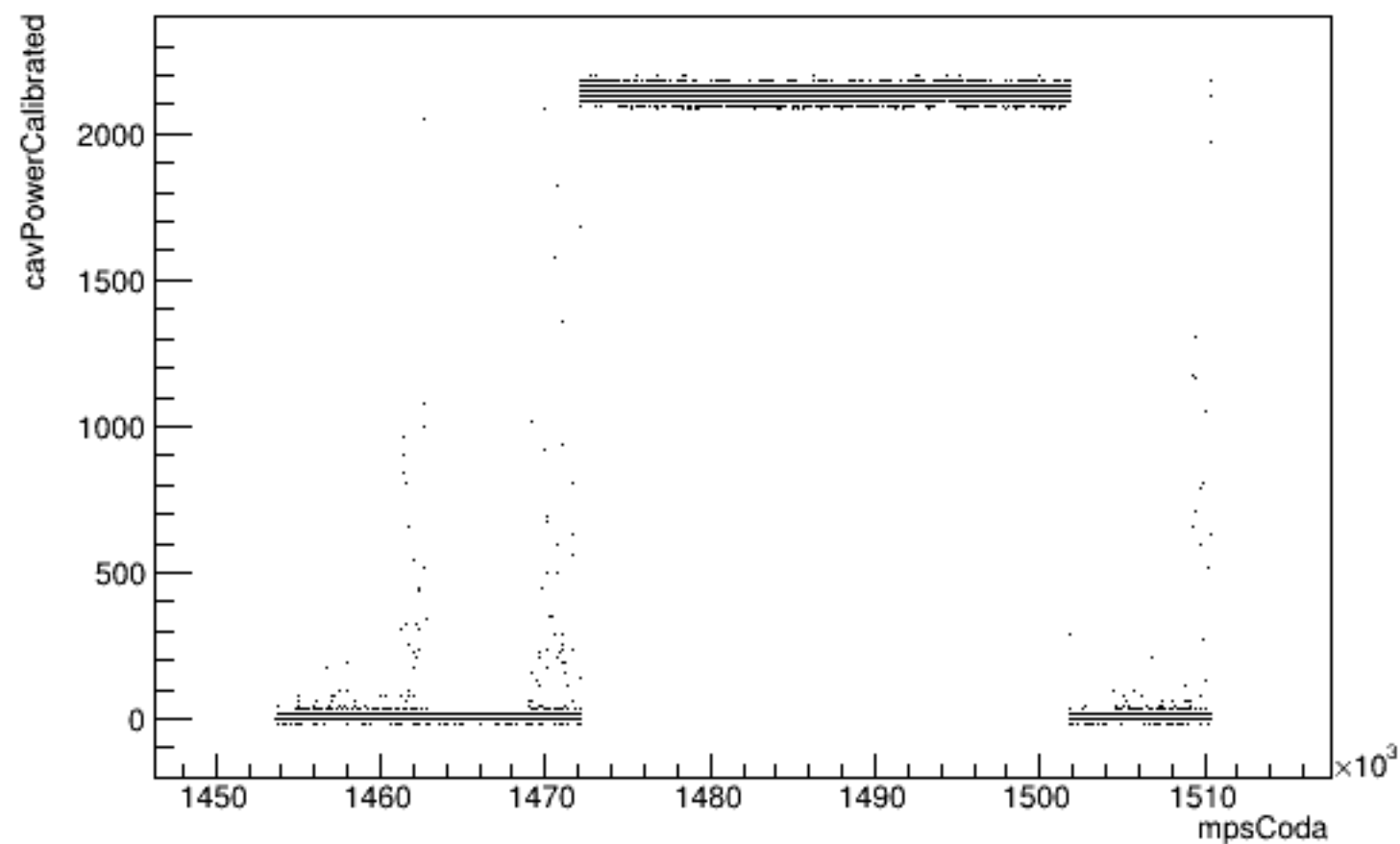
laserState:mpsCoda {mpsCoda&gt;=1453700 &amp;&amp; mpsCoda&lt;=1510395}



beamState + 1:mpsCoda {mpsCoda&gt;=1453700 &amp;&amp; mpsCoda&lt;=1510395}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=1453700 &amp;&amp; mpsCoda&lt;=1510395}



bcm:mpsCoda {mpsCoda&gt;=1453700 &amp;&amp; mpsCoda&lt;=1510395}

