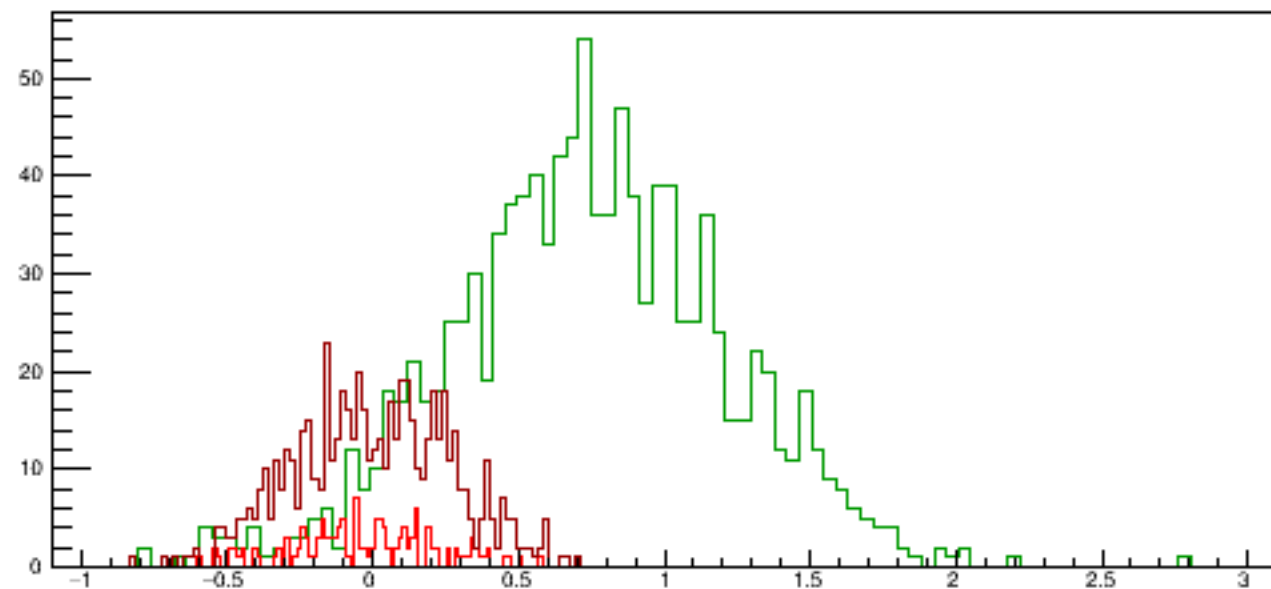


# Cycle 1, Diffs

<b>Entries: 137</b> <b>Mean: -0.0279 +/- 0.0211</b> <b>Std Dev: 0.2471 +/- 0.0149</b>	<b>Entries: 1126</b> <b>Mean: 0.7355 +/- 0.0141</b> <b>Std Dev: 0.4738 +/- 0.0100</b>	<b>Entries: 604</b> <b>Mean: 0.0005 +/- 0.0108</b> <b>Std Dev: 0.2661 +/- 0.0077</b>
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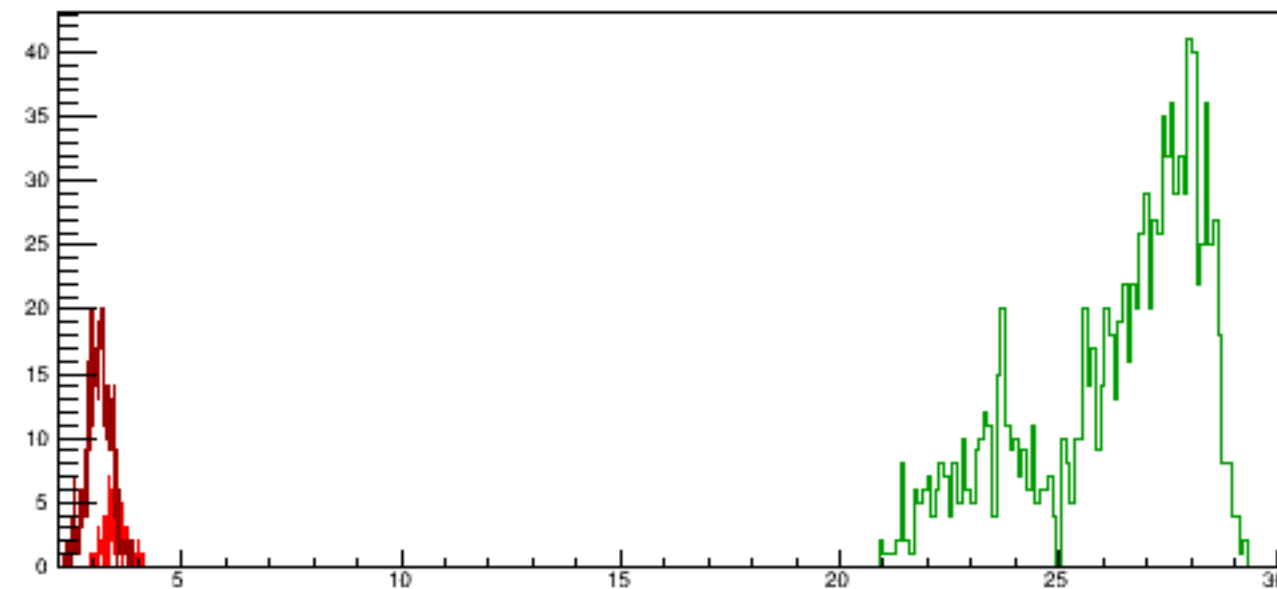
Run 5786 quartetwise, Diffs



# Cycle 1, Sums

<b>Entries: 137</b> <b>Mean: 3.4736 +/- 0.0219</b> <b>Std Dev: 0.2566 +/- 0.0155</b>	<b>Entries: 1126</b> <b>Mean: 26.2865 +/- 0.0590</b> <b>Std Dev: 1.9808 +/- 0.0417</b>	<b>Entries: 604</b> <b>Mean: 3.1223 +/- 0.0111</b> <b>Std Dev: 0.2740 +/- 0.0079</b>
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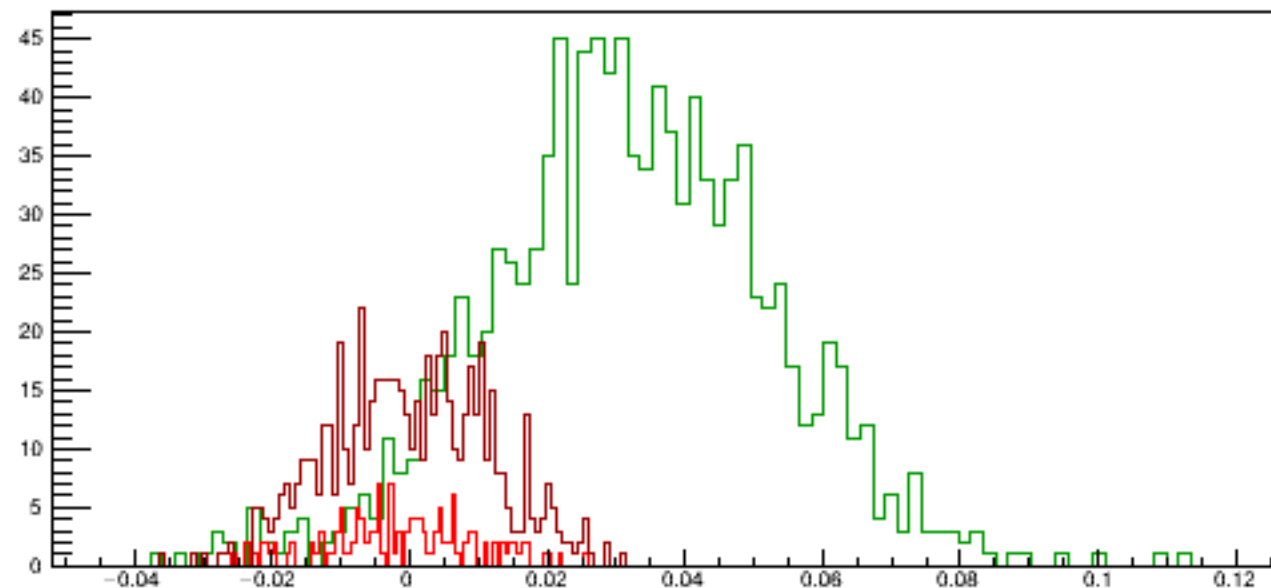
Run 5786 quartetwise, Sums



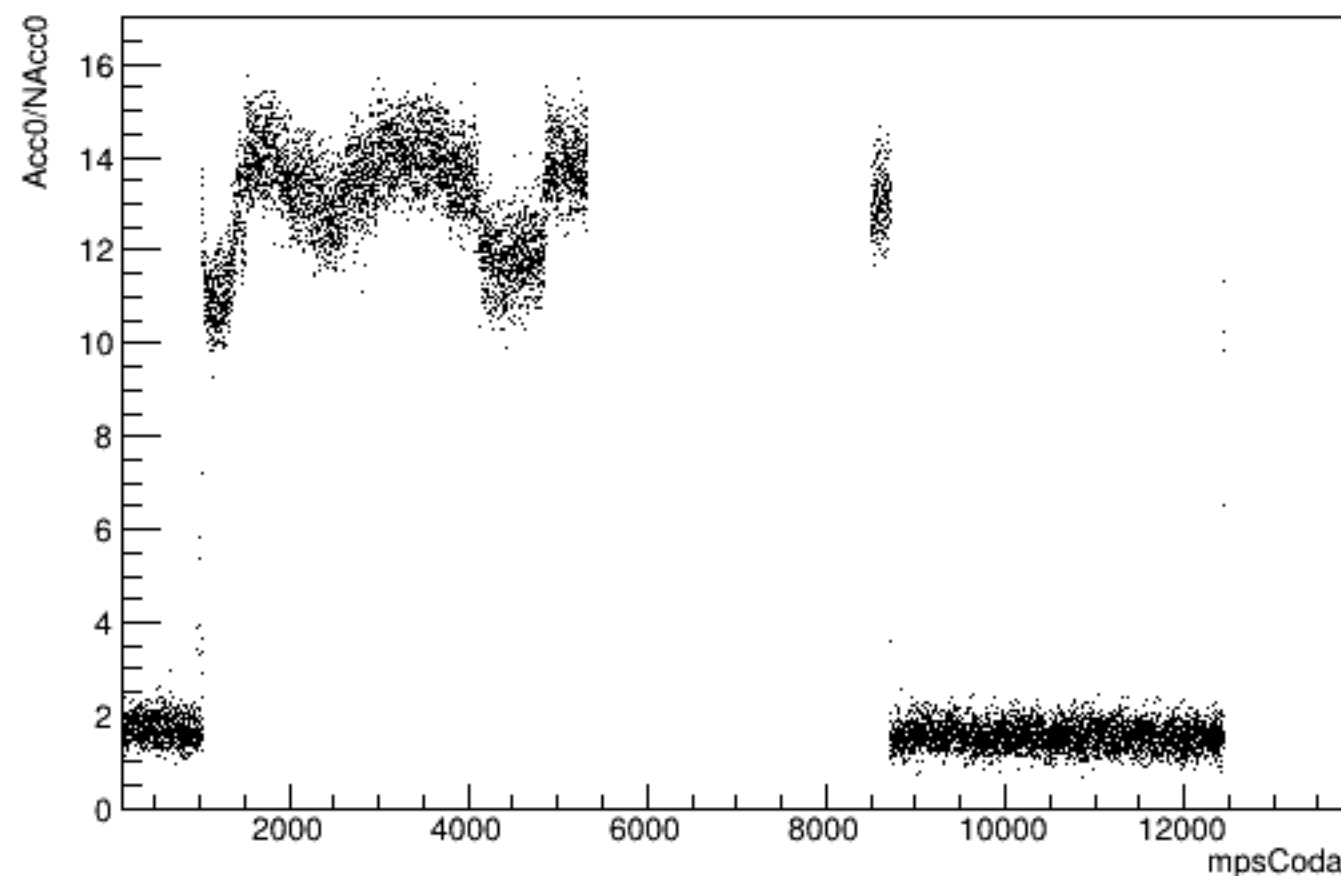
# Cycle 1, Asyms

<b>Entries: 137</b> <b>Mean: -0.0012 +/- 0.0009</b> <b>Std Dev: 0.0107 +/- 0.0006</b>	<b>Entries: 1126</b> <b>Mean: 0.0320 +/- 0.0006</b> <b>Std Dev: 0.0207 +/- 0.0004</b>	<b>Entries: 604</b> <b>Mean: 0.0000 +/- 0.0005</b> <b>Std Dev: 0.0116 +/- 0.0003</b>
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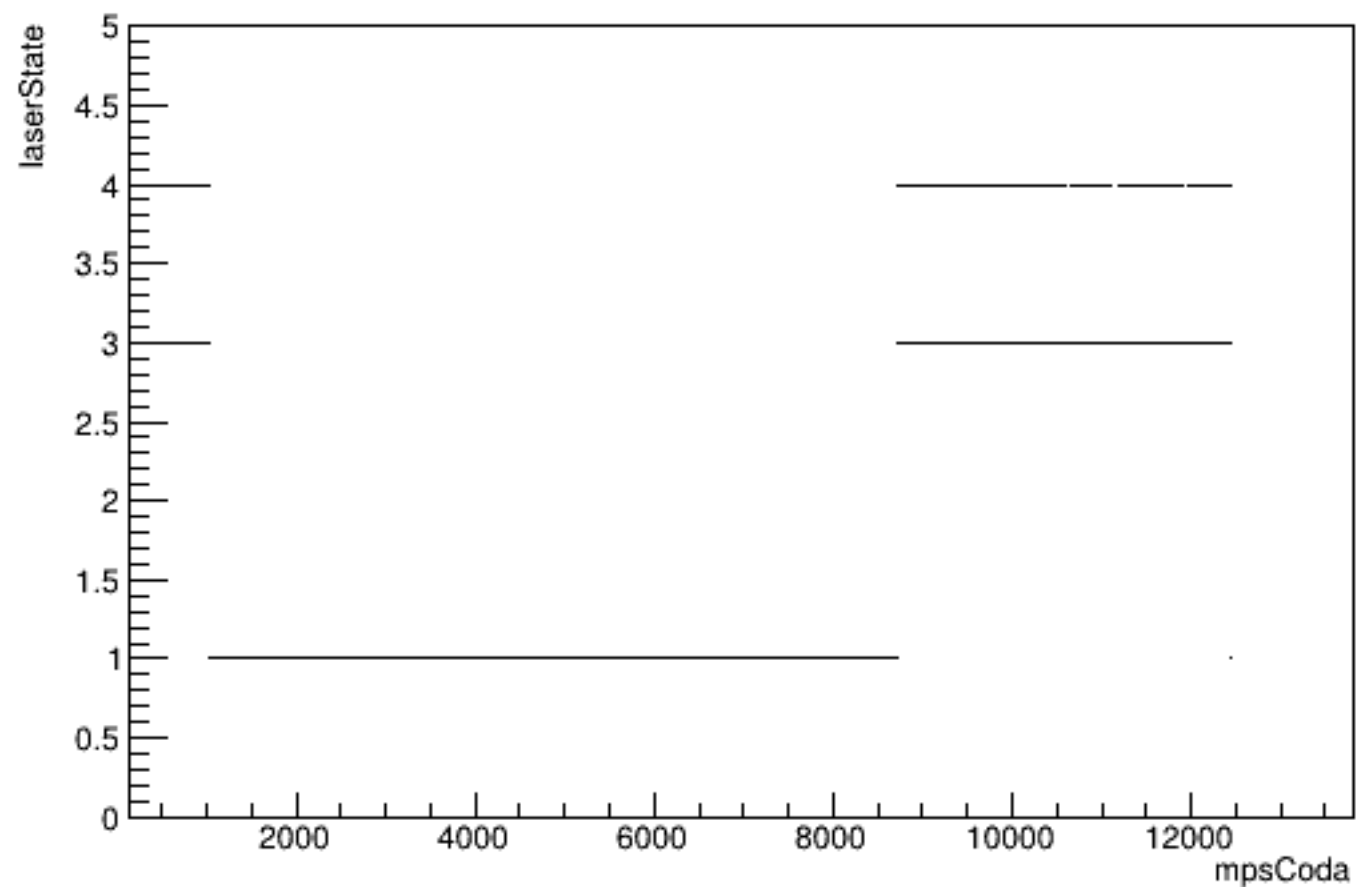
Run 5786 quartetwise, Asyms



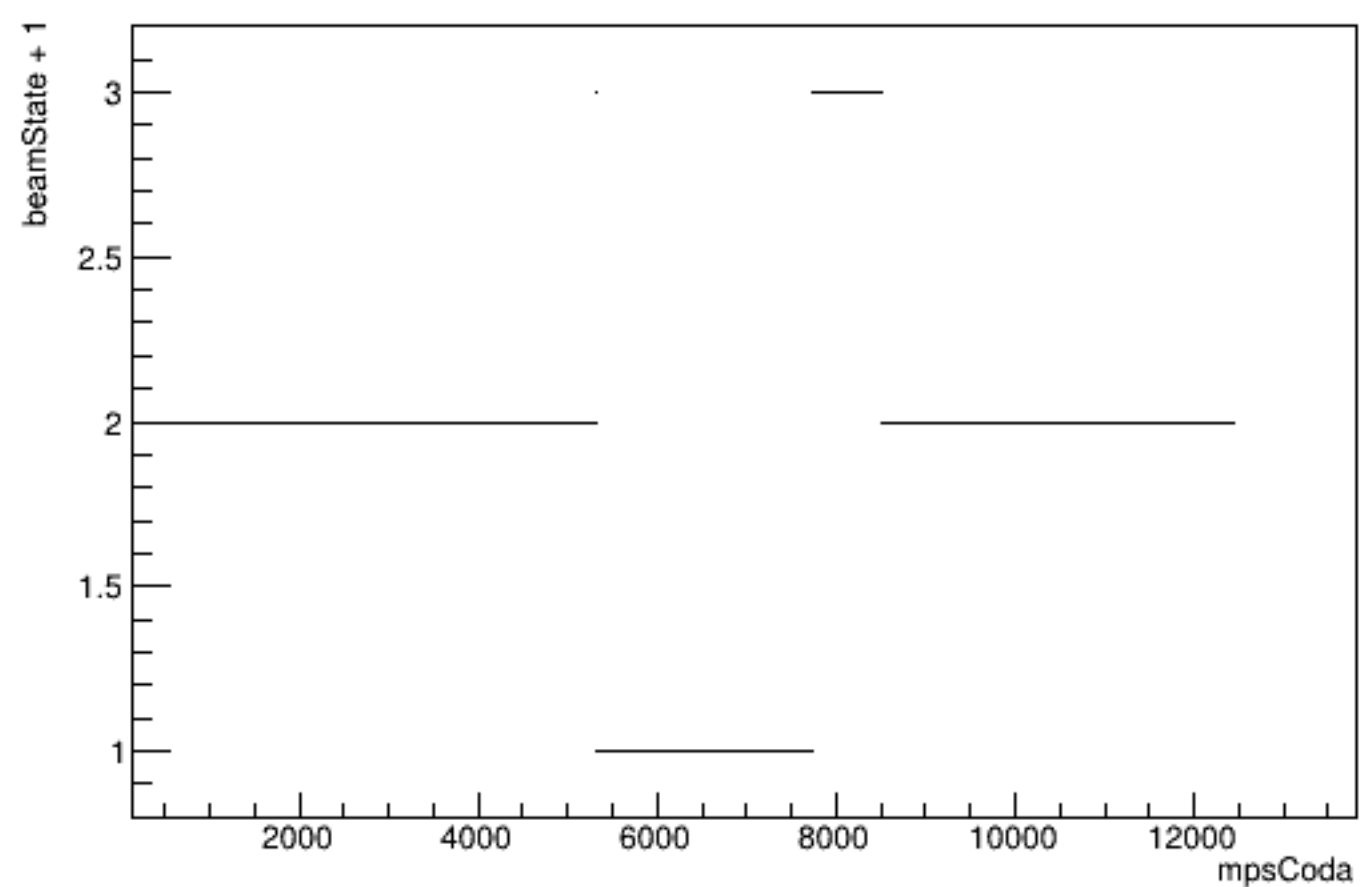
Acc0/NAcc0:mpsCoda {mpsCoda>=131 && mpsCoda<=12446 && beamState==1}



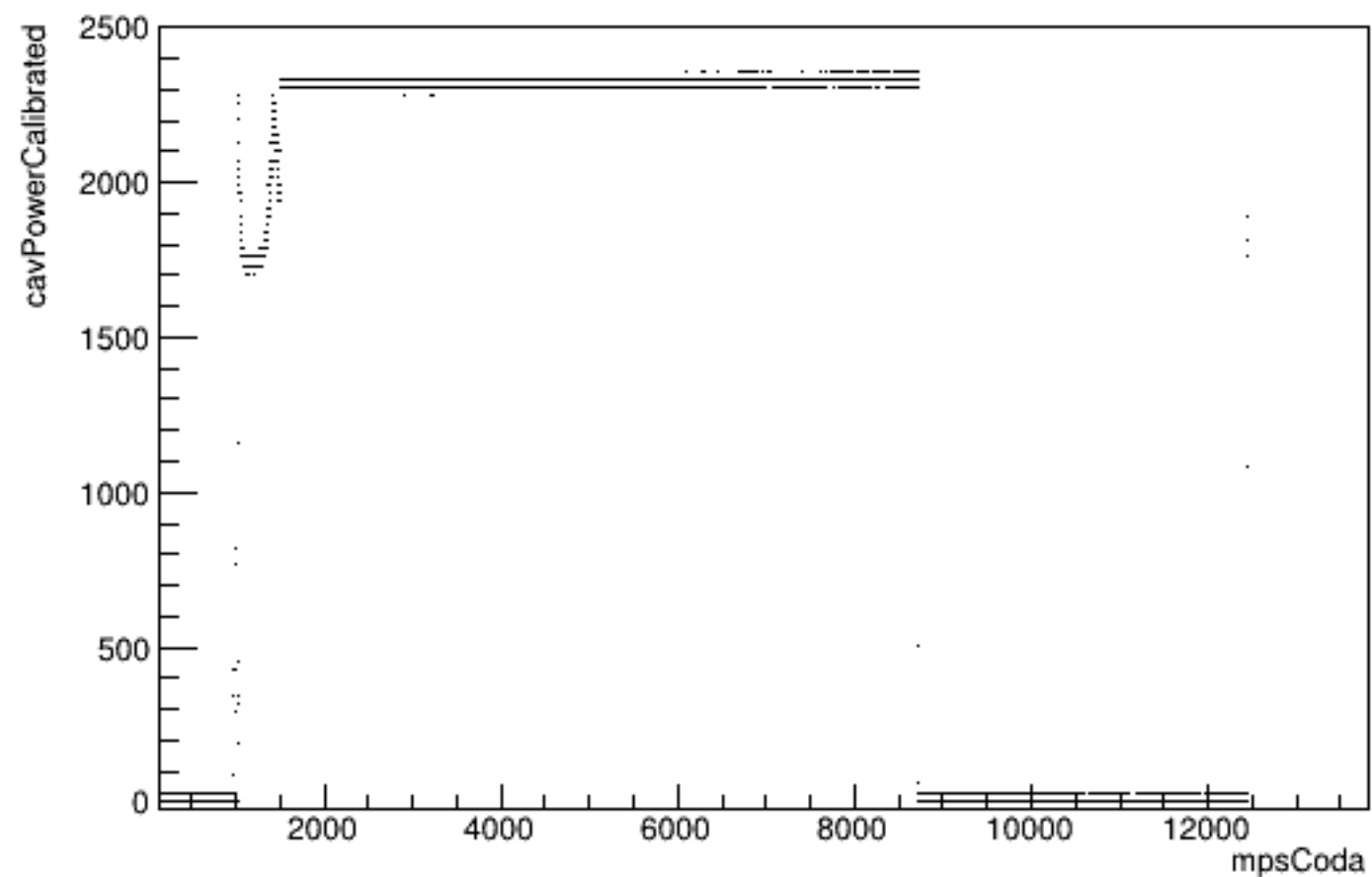
laserState:mpsCoda {mpsCoda&gt;=131 &amp;&amp; mpsCoda&lt;=12446}



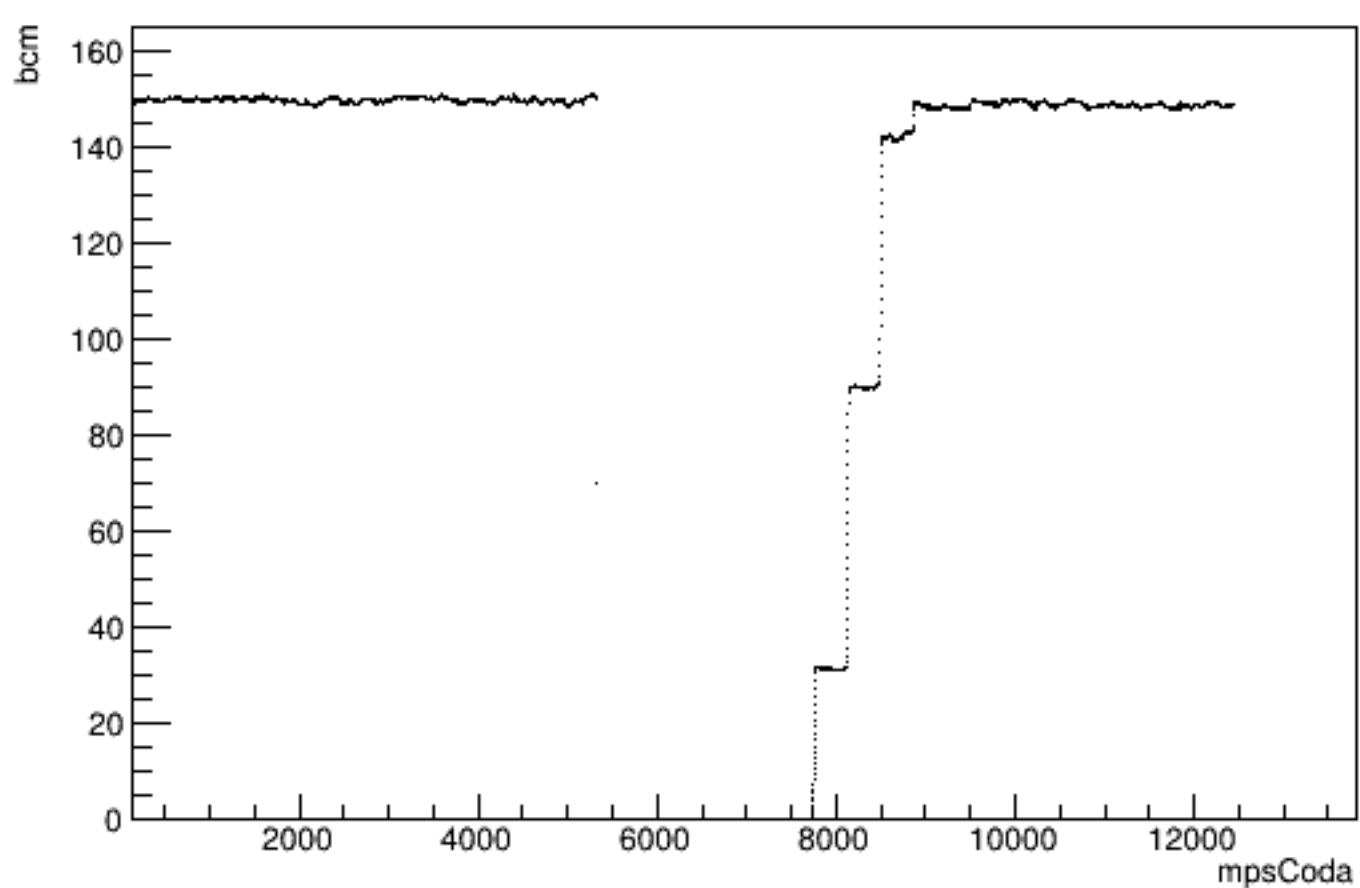
beamState + 1:mpsCoda {mpsCoda&gt;=131 &amp;&amp; mpsCoda&lt;=12446}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=131 &amp;&amp; mpsCoda&lt;=12446}



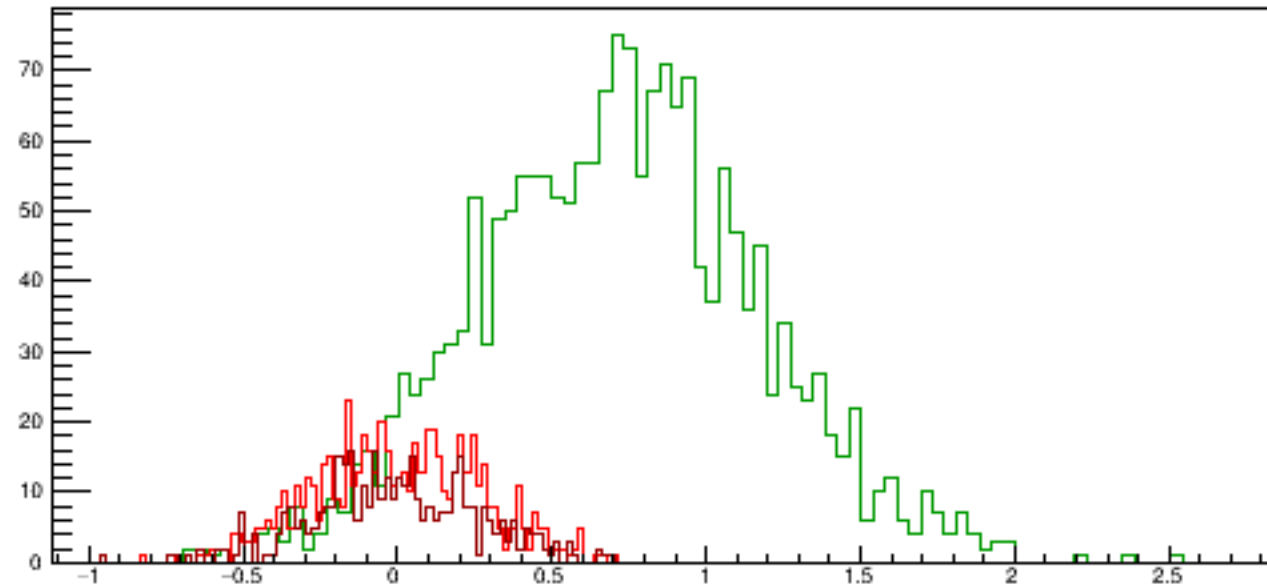
bcm:mpsCoda {mpsCoda&gt;=131 &amp;&amp; mpsCoda&lt;=12446}



## Cycle 2, Diffs

<b>Entries: 604</b>	<b>Entries: 1923</b>	<b>Entries: 390</b>
<b>Mean: 0.0005 +/- 0.0108</b>	<b>Mean: 0.7108 +/- 0.0105</b>	<b>Mean: -0.0084 +/- 0.0137</b>
<b>Std Dev: 0.2661 +/- 0.0077</b>	<b>Std Dev: 0.4619 +/- 0.0074</b>	<b>Std Dev: 0.2698 +/- 0.0097</b>

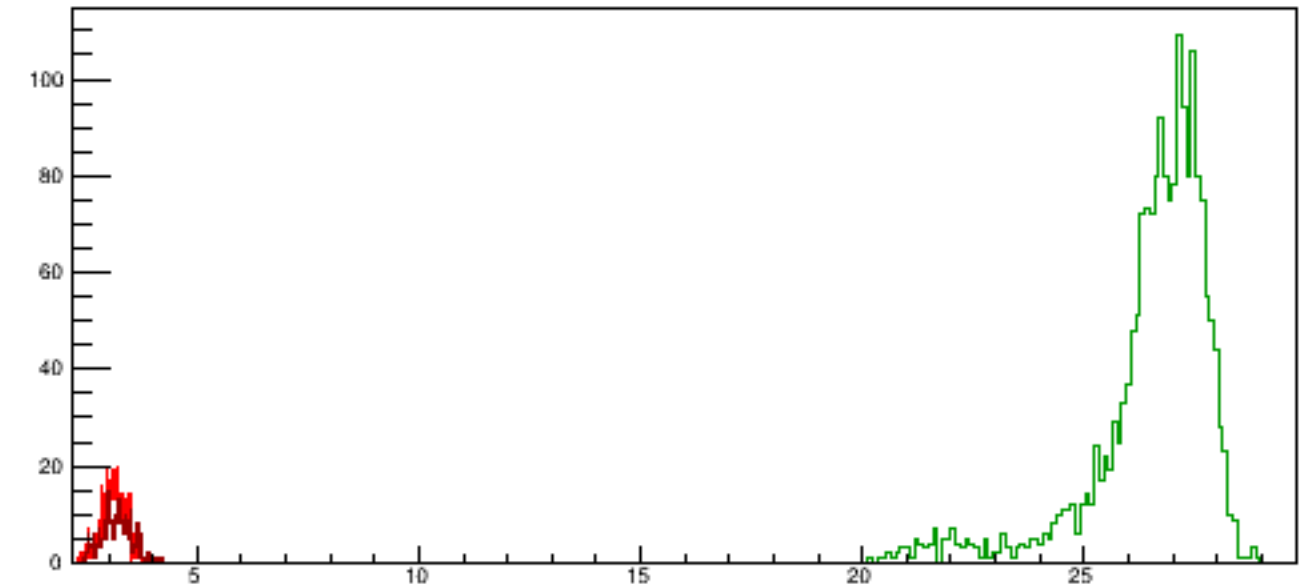
Run 5786 quartetwise, Diffs



## Cycle 2, Sums

<b>Entries: 604</b>	<b>Entries: 1923</b>	<b>Entries: 390</b>
<b>Mean: 3.1223 +/- 0.0111</b>	<b>Mean: 26.5271 +/- 0.0317</b>	<b>Mean: 3.1848 +/- 0.0163</b>
<b>Std Dev: 0.2740 +/- 0.0079</b>	<b>Std Dev: 1.3890 +/- 0.0224</b>	<b>Std Dev: 0.3222 +/- 0.0115</b>

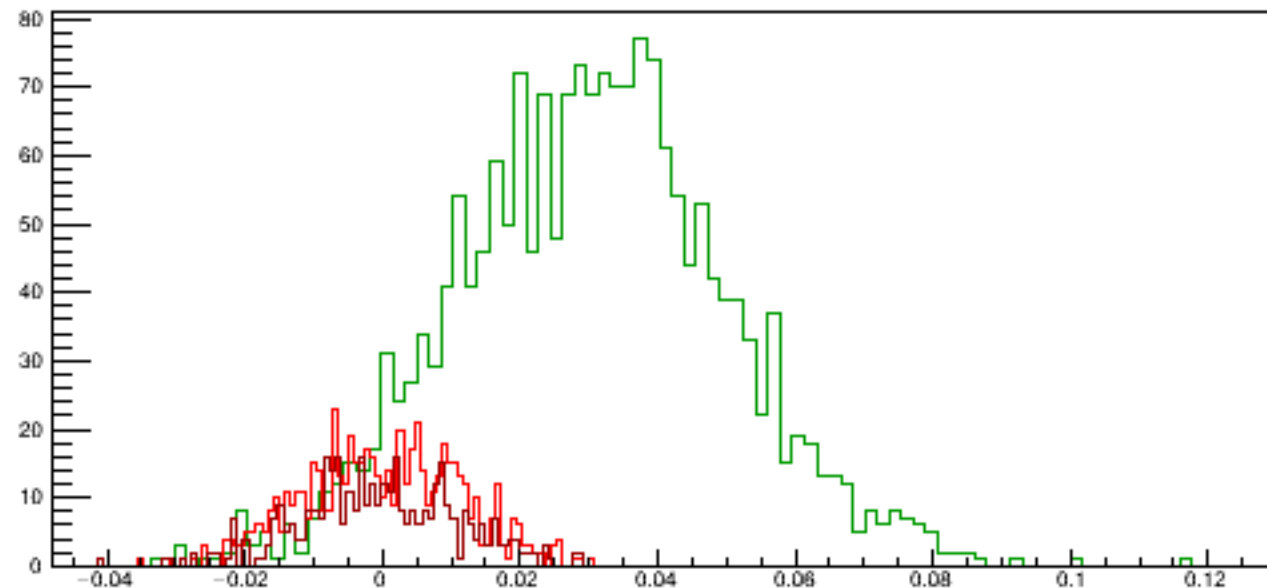
Run 5786 quartetwise, Sums



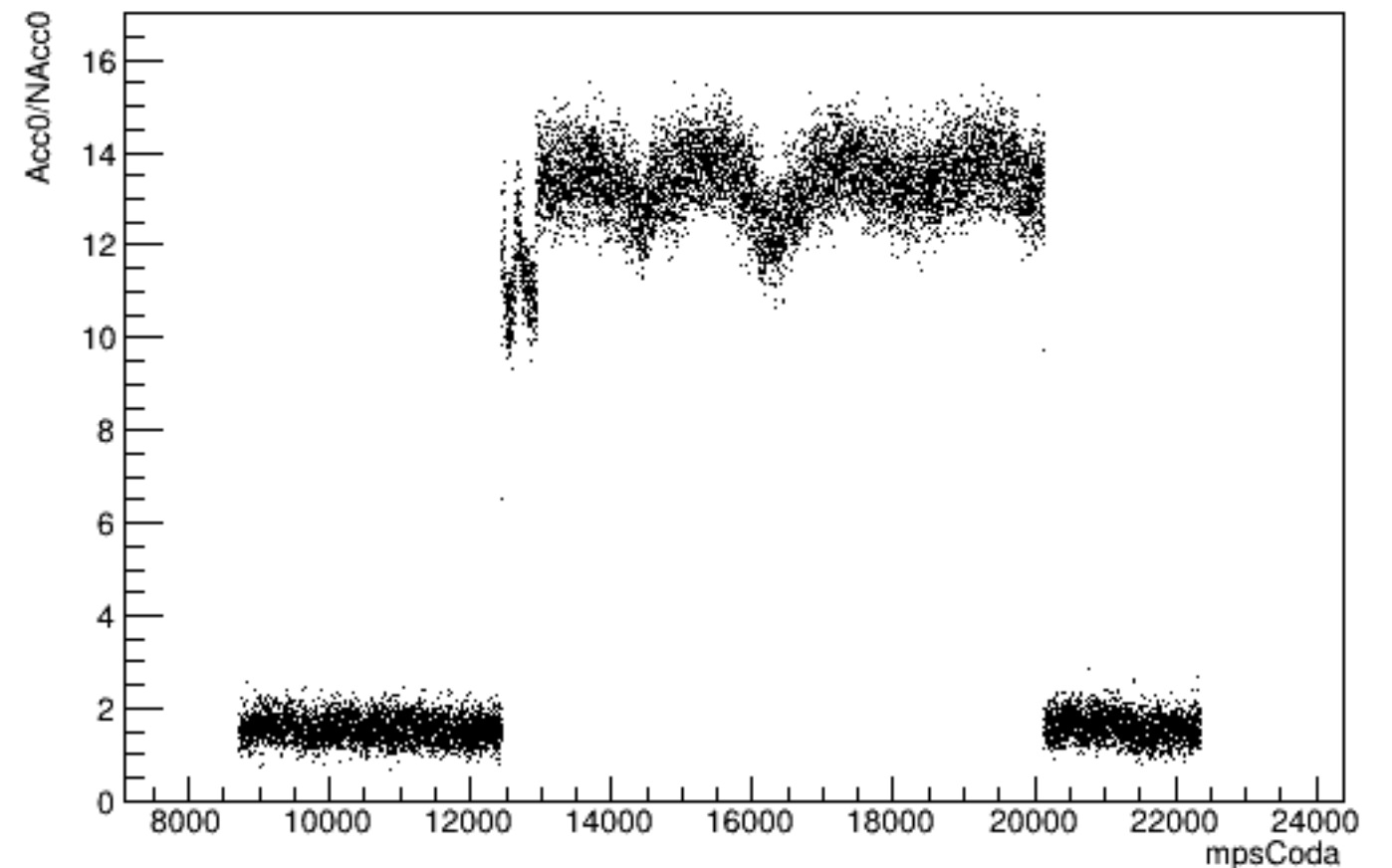
## Cycle 2, Asyms

<b>Entries: 604</b>	<b>Entries: 1923</b>	<b>Entries: 390</b>
<b>Mean: 0.0000 +/- 0.0005</b>	<b>Mean: 0.0303 +/- 0.0004</b>	<b>Mean: -0.0004 +/- 0.0006</b>
<b>Std Dev: 0.0114 +/- 0.0003</b>	<b>Std Dev: 0.0197 +/- 0.0003</b>	<b>Std Dev: 0.0115 +/- 0.0004</b>

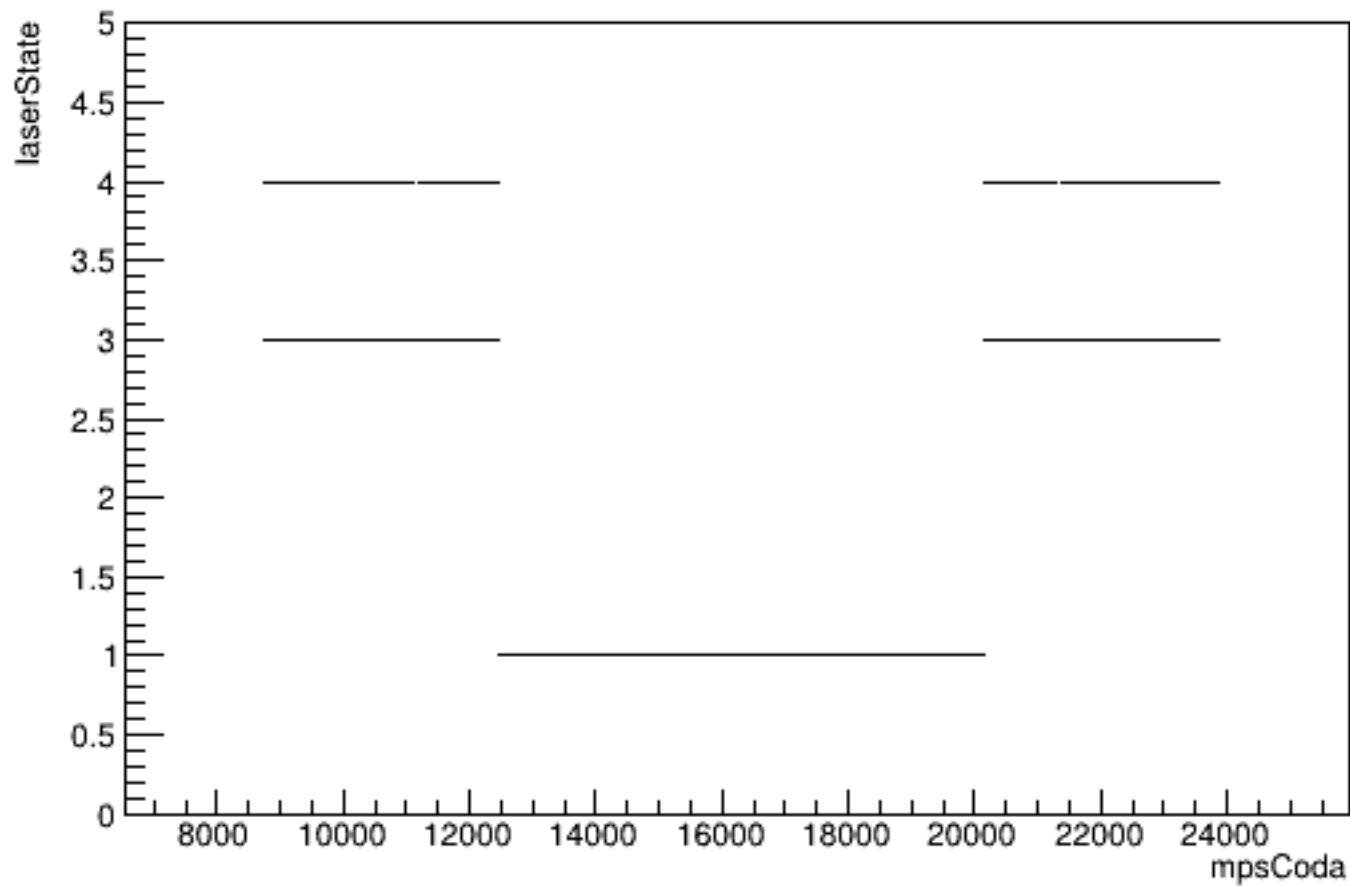
Run 5786 quartetwise, Asyms



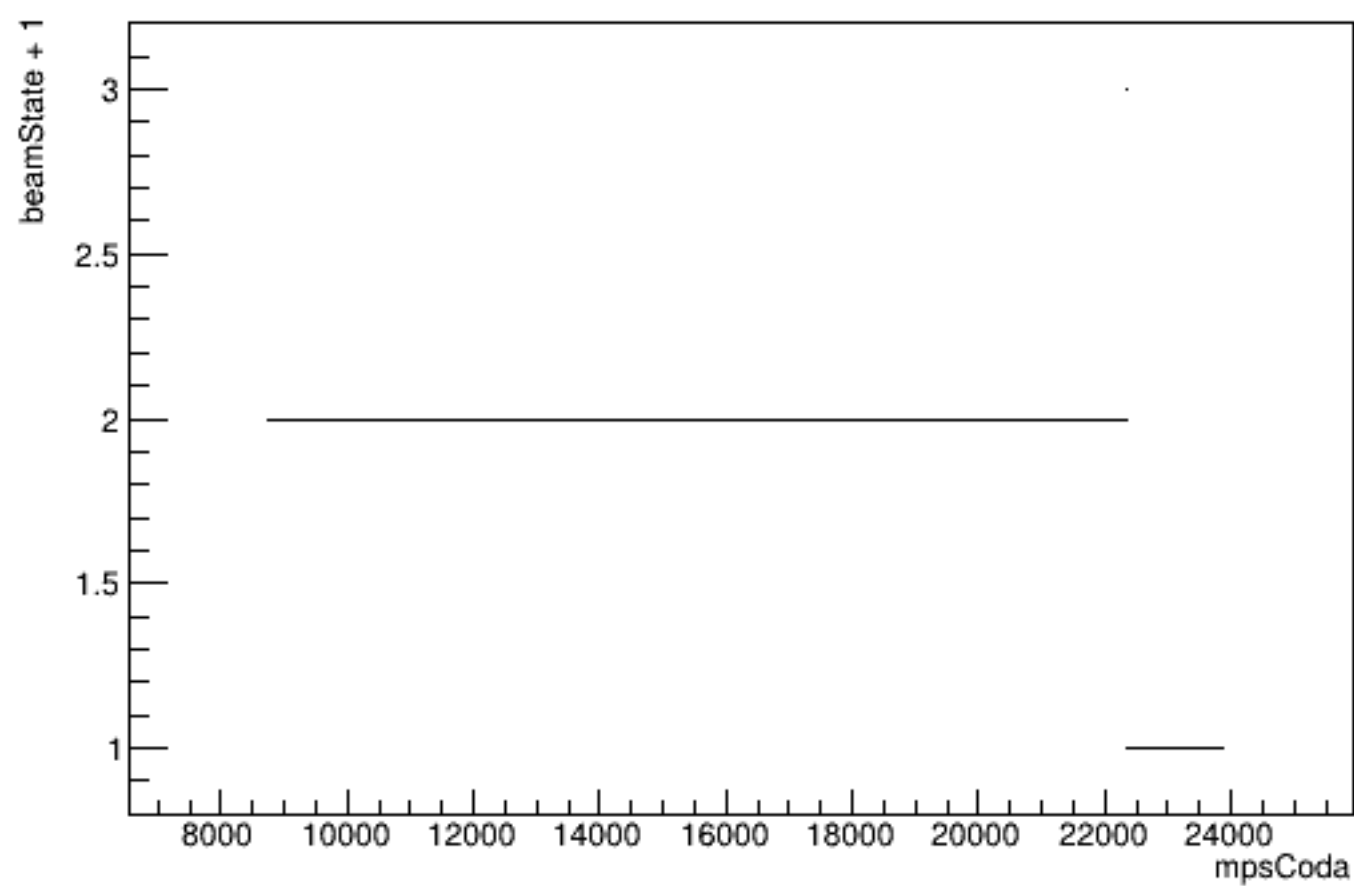
Acc0/NAcc0:mpsCoda {mpsCoda>=8723 && mpsCoda<=23862 && beamState==1}



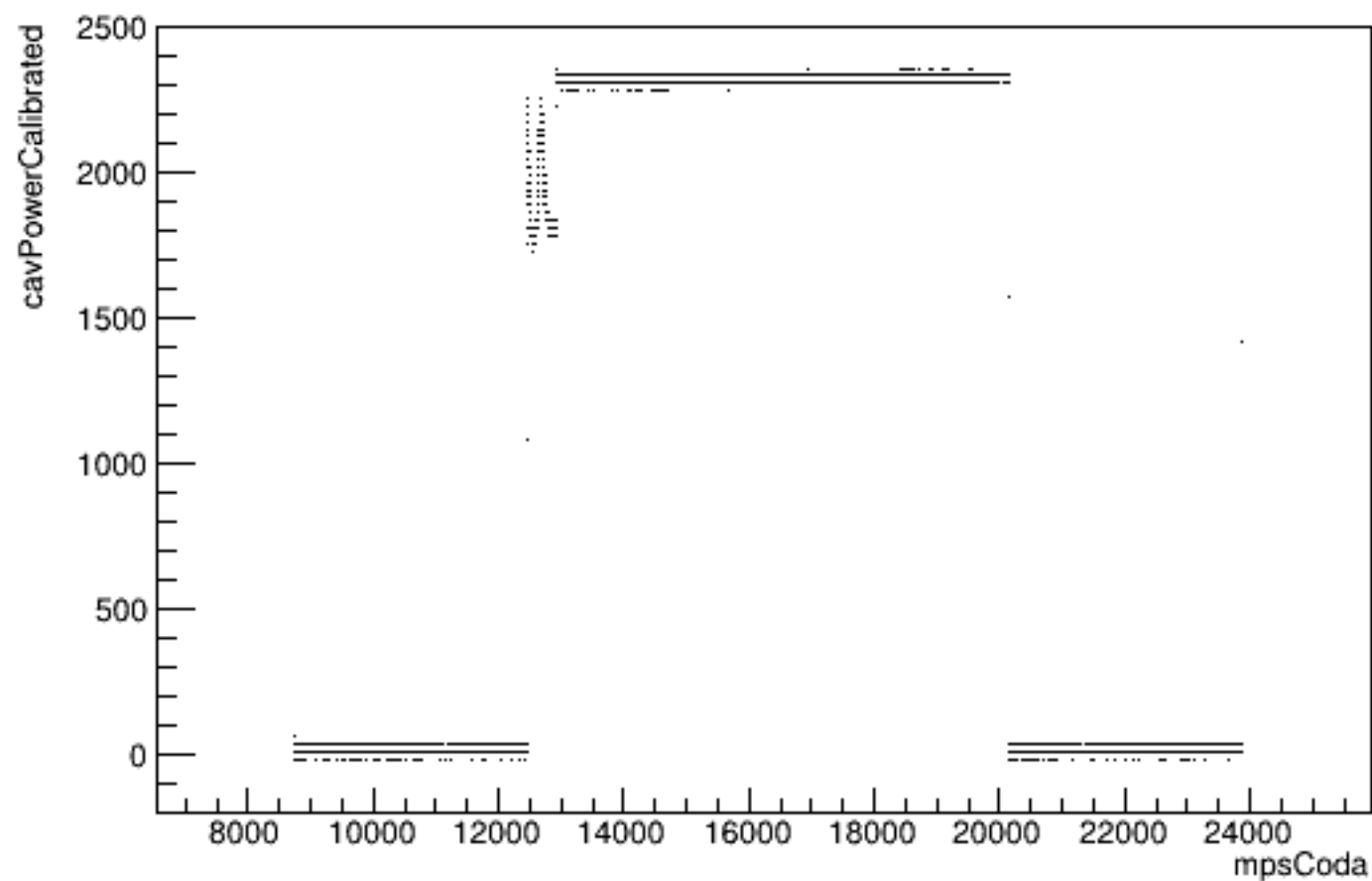
laserState:mpsCoda {mpsCoda>=8723 && mpsCoda<=23862}



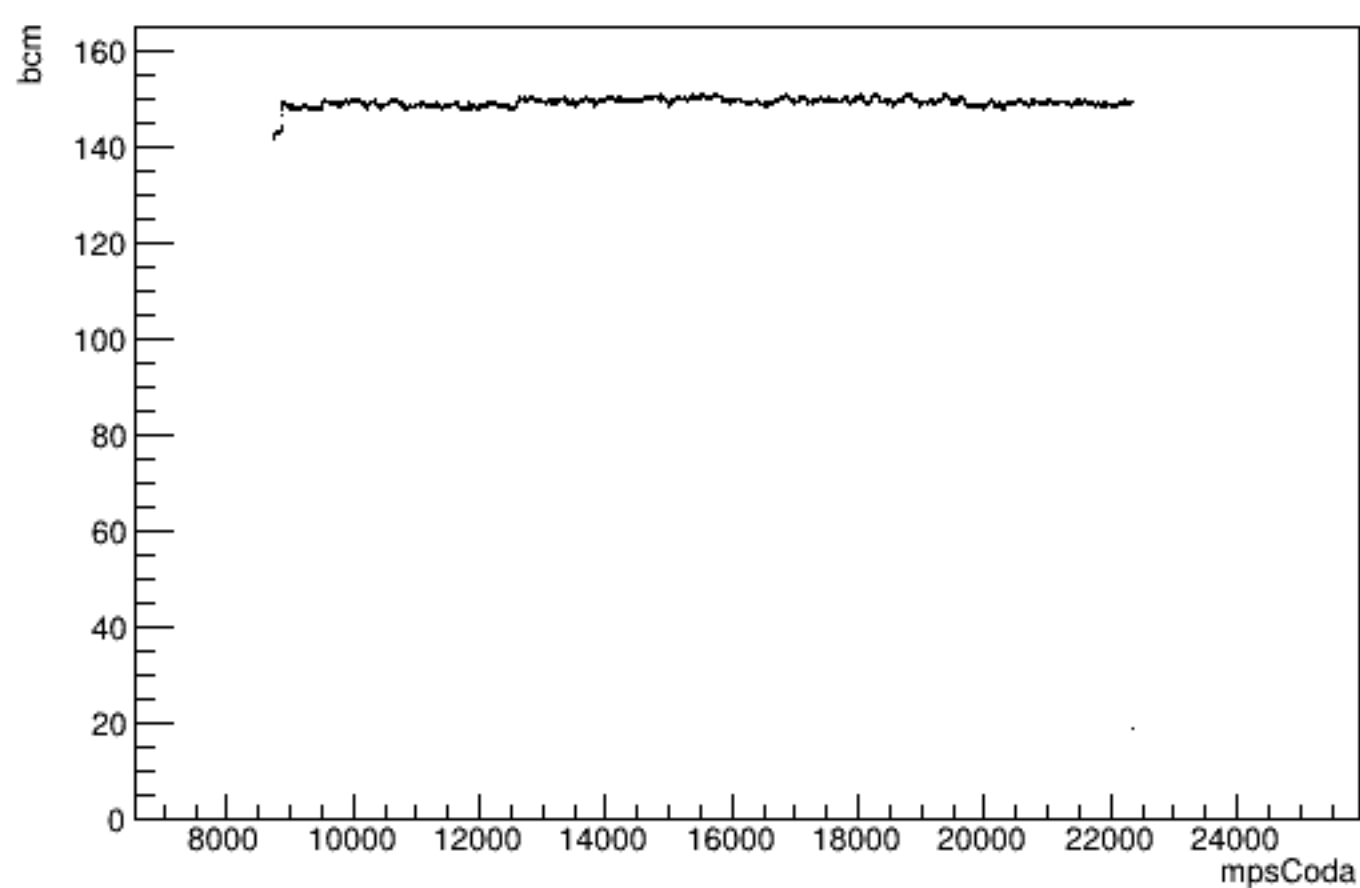
beamState + 1:mpsCoda {mpsCoda>=8723 && mpsCoda<=23862}



cavPowerCalibrated:mpsCoda {mpsCoda>=8723 && mpsCoda<=23862}



bcm:mpsCoda {mpsCoda>=8723 && mpsCoda<=23862}



# Cycle 3, Diffs

**Entries: 390**

**Mean: -0.0084 +/- 0.0137**

**Std Dev: 0.2698 +/- 0.0097**

**Entries: 1284**

**Mean: 0.7321 +/- 0.0124**

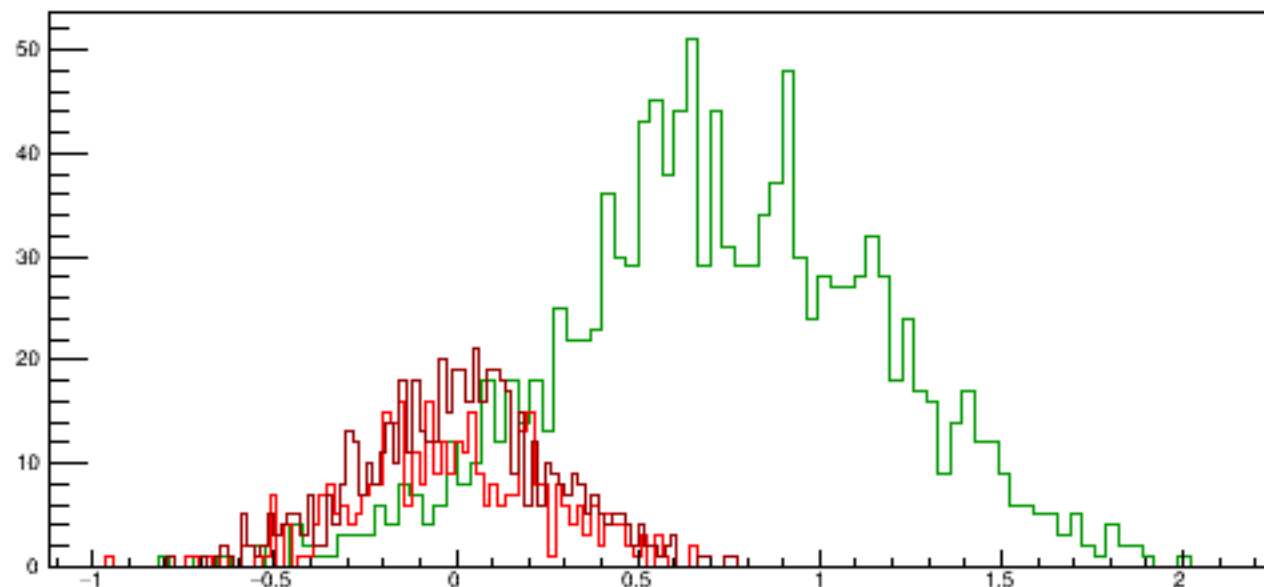
**Std Dev: 0.4427 +/- 0.0087**

**Entries: 593**

**Mean: 0.0019 +/- 0.0108**

**Std Dev: 0.2635 +/- 0.0077**

Run 5786 quartetwise, Diffs



# Cycle 3, Sums

**Entries: 390**

**Mean: 3.1848 +/- 0.0163**

**Std Dev: 0.3222 +/- 0.0115**

**Entries: 1284**

**Mean: 26.6639 +/- 0.0271**

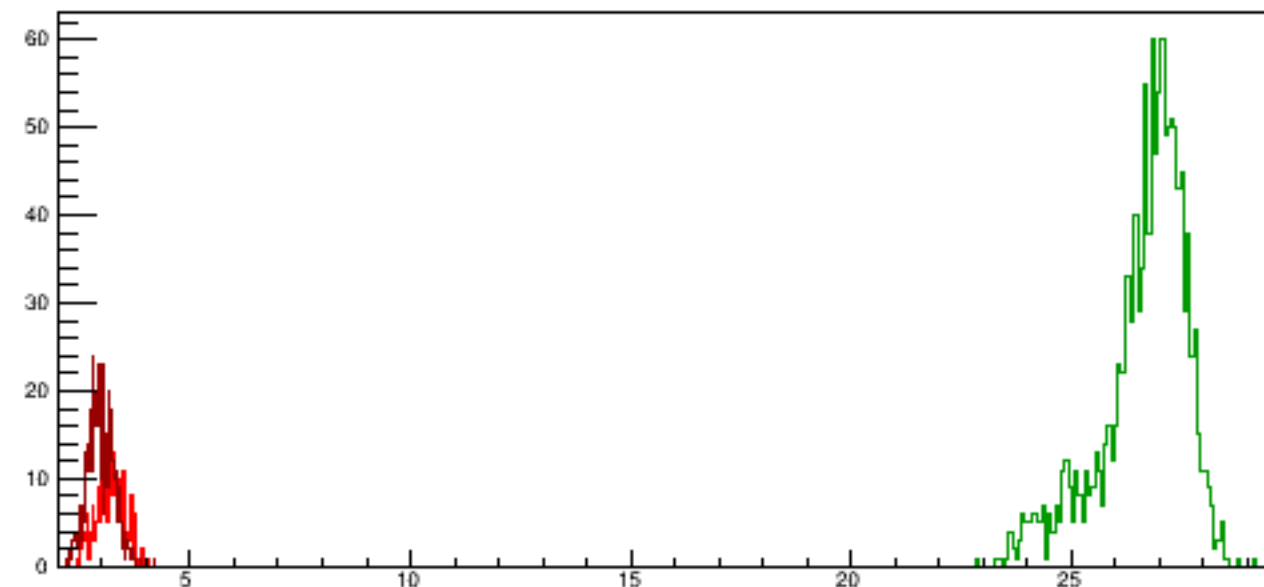
**Std Dev: 0.9706 +/- 0.0192**

**Entries: 593**

**Mean: 2.9655 +/- 0.0122**

**Std Dev: 0.2969 +/- 0.0086**

Run 5786 quartetwise, Sums



# Cycle 3, Asyms

**Entries: 390**

**Mean: -0.0004 +/- 0.0006**

**Std Dev: 0.0114 +/- 0.0004**

**Entries: 1284**

**Mean: 0.0310 +/- 0.0005**

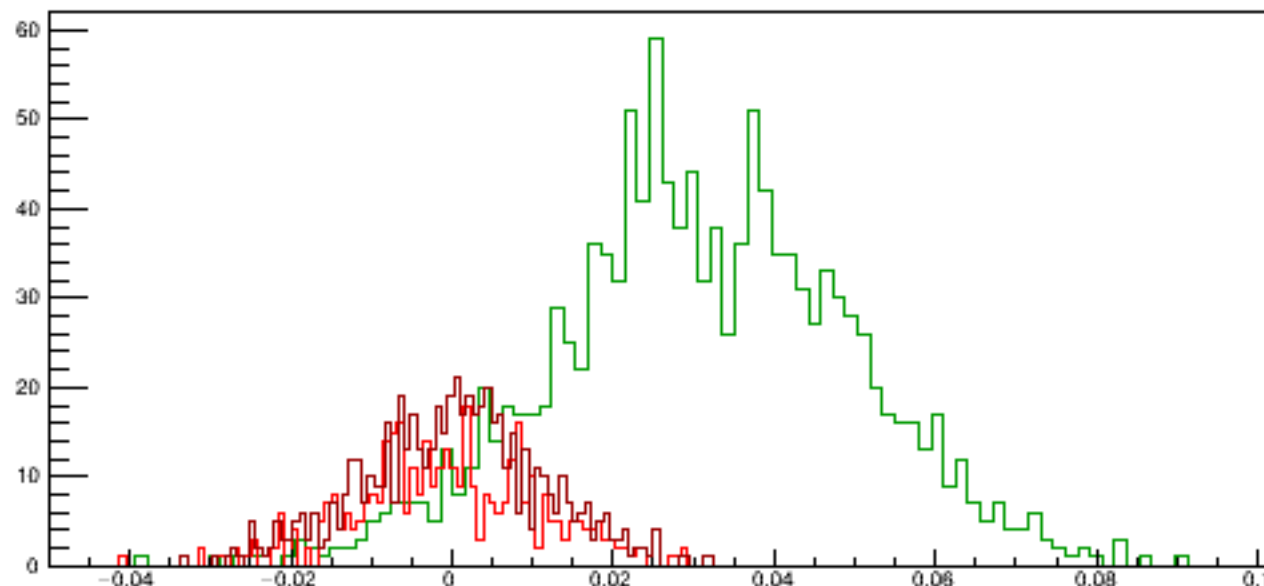
**Std Dev: 0.0188 +/- 0.0004**

**Entries: 593**

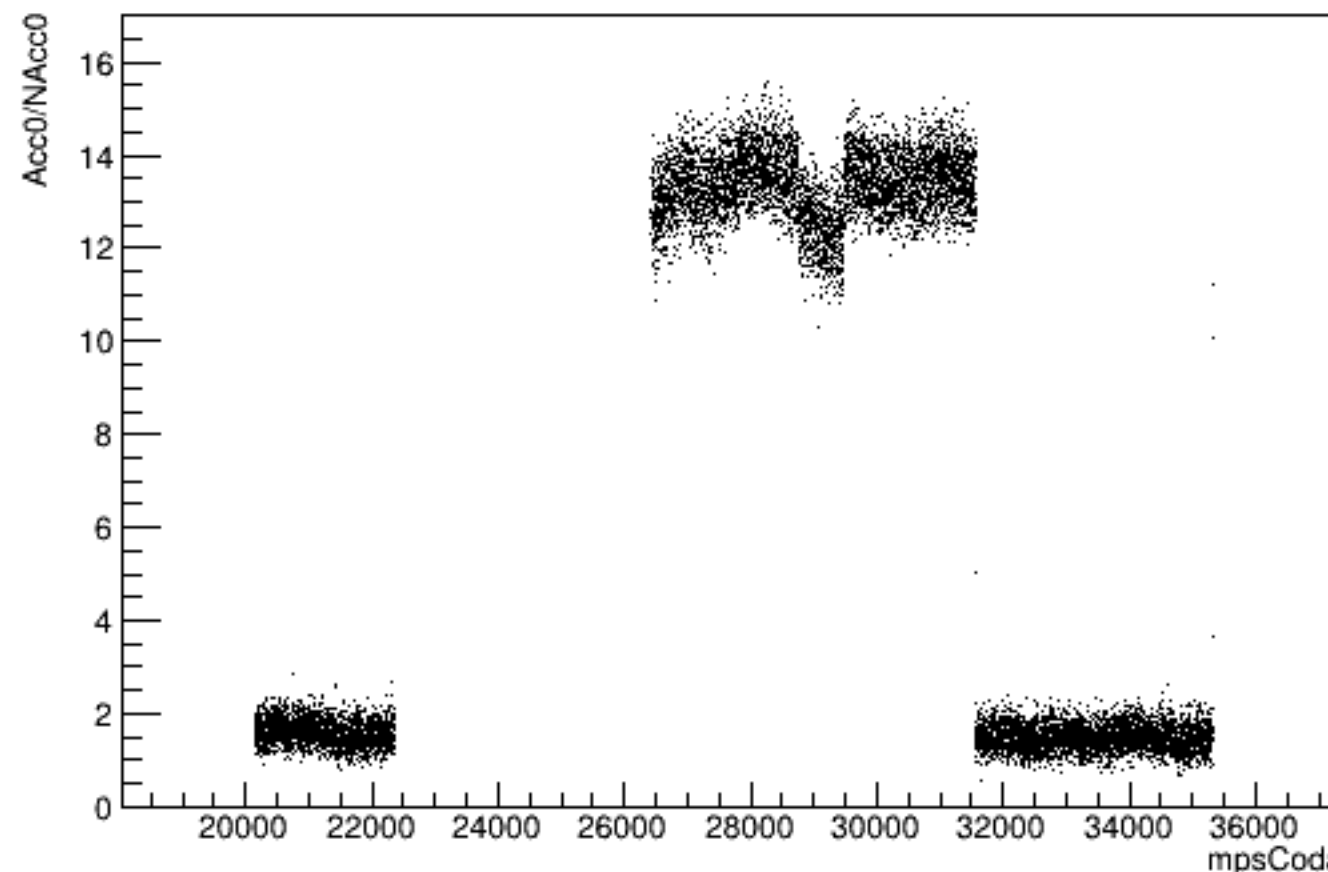
**Mean: 0.0001 +/- 0.0005**

**Std Dev: 0.0112 +/- 0.0003**

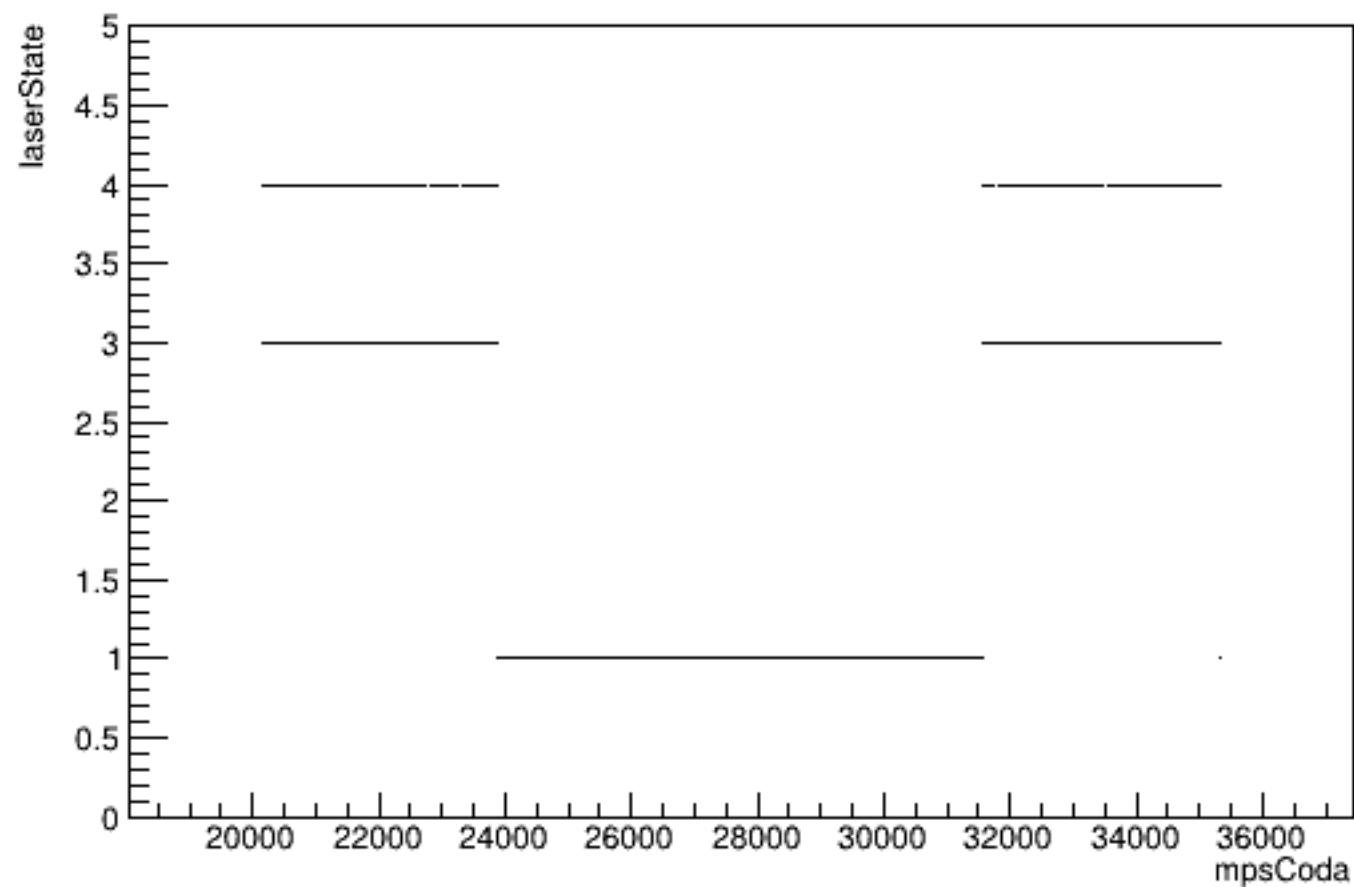
Run 5786 quartetwise, Asyms



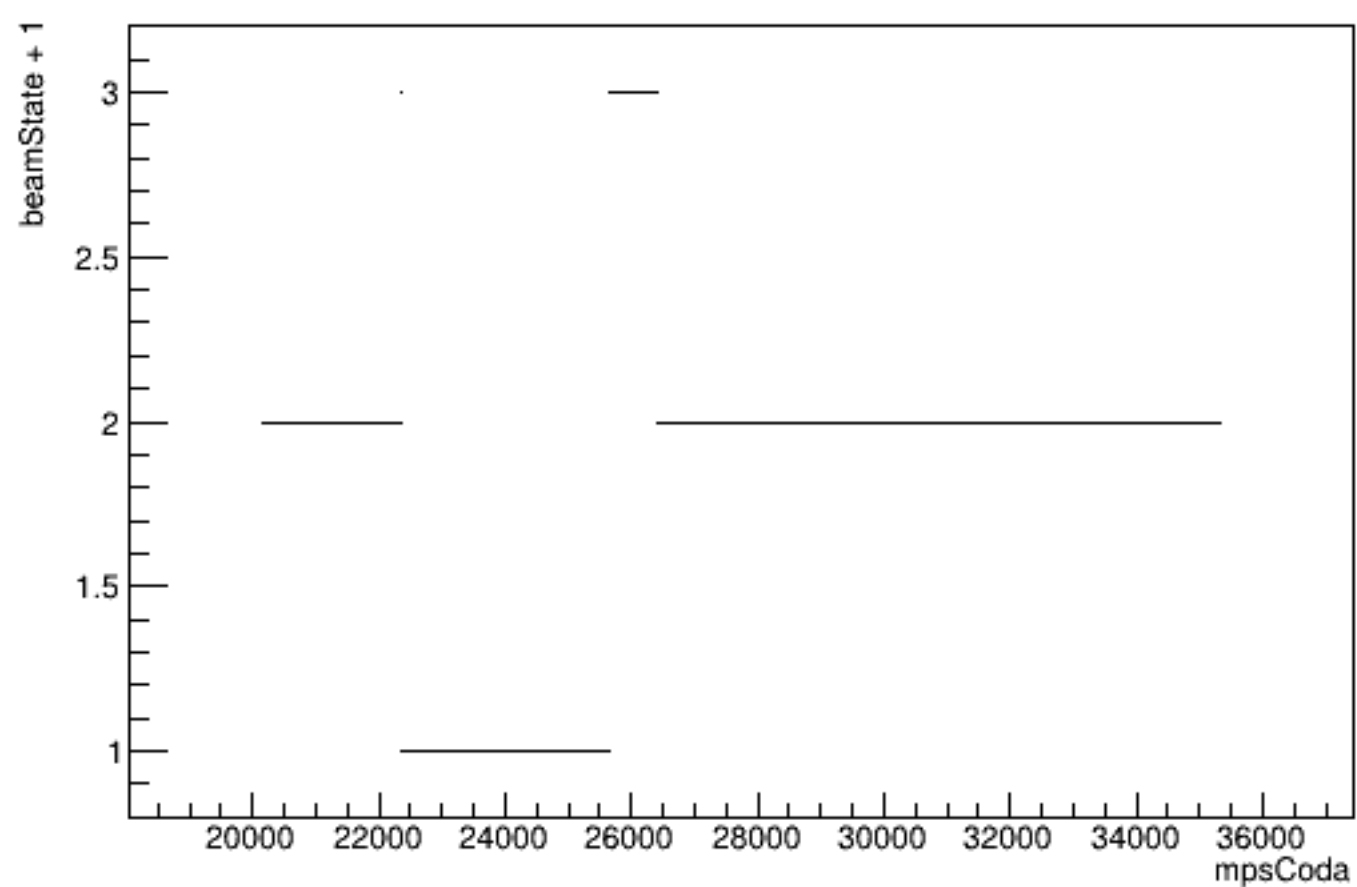
Acc0/NAcc0:mpsCoda {mpsCoda>=20147 && mpsCoda<=35318 && beamState==1}



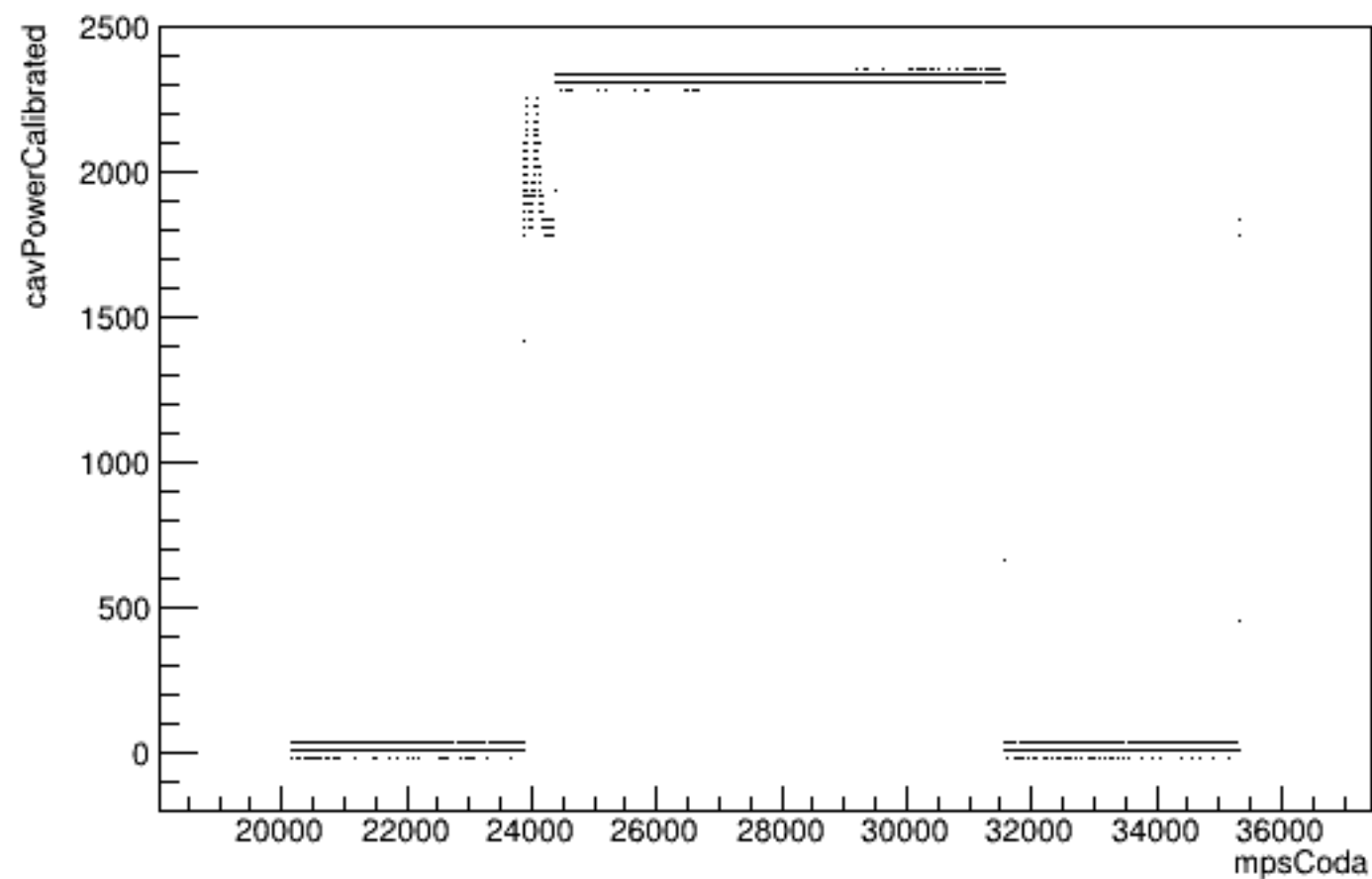
laserState:mpsCoda {mpsCoda&gt;=20147 &amp;&amp; mpsCoda&lt;=35318}



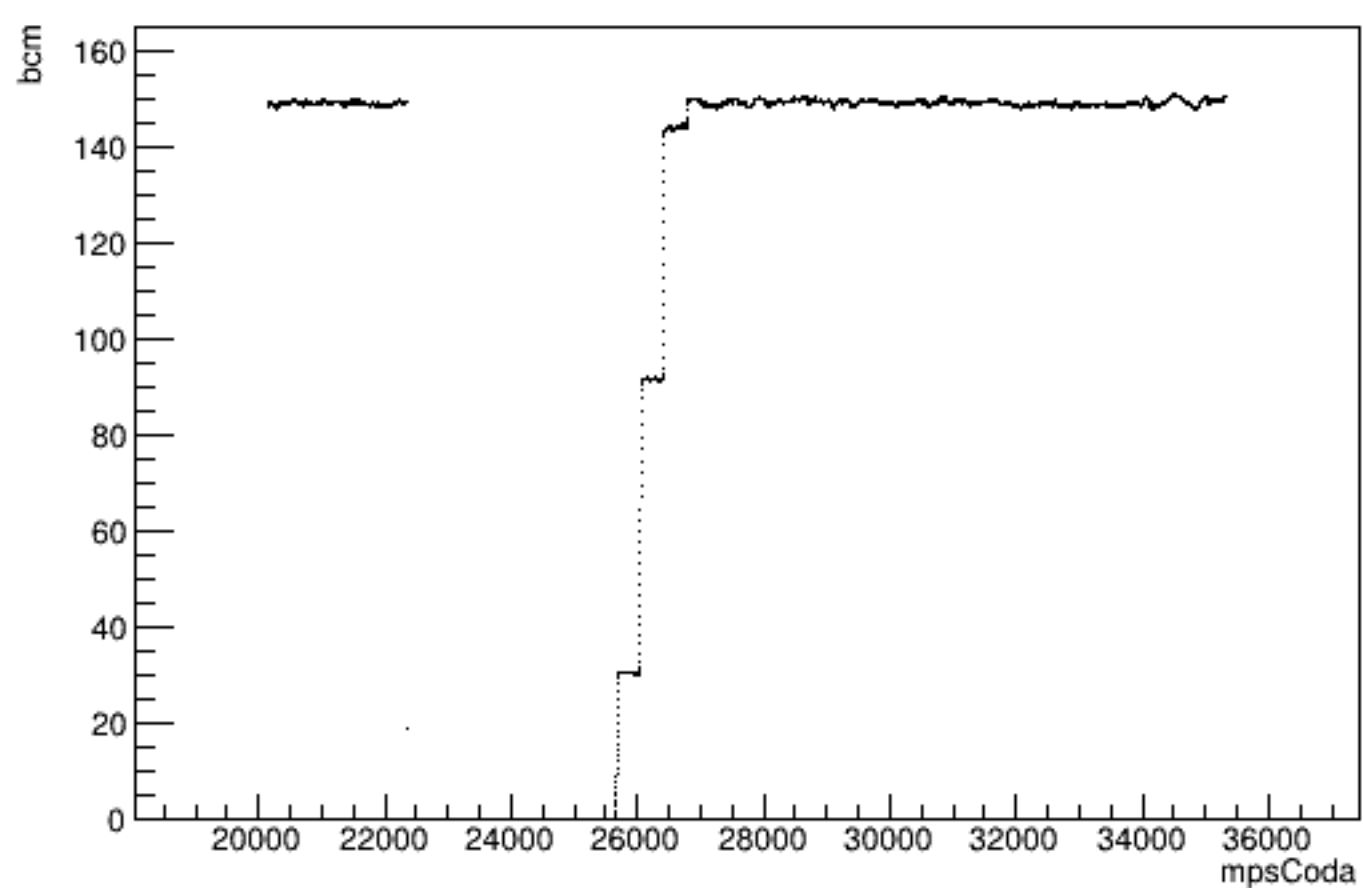
beamState + 1:mpsCoda {mpsCoda&gt;=20147 &amp;&amp; mpsCoda&lt;=35318}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=20147 &amp;&amp; mpsCoda&lt;=35318}



bcm:mpsCoda {mpsCoda&gt;=20147 &amp;&amp; mpsCoda&lt;=35318}



# Cycle 4, Diffs

**Entries: 593**

**Mean: 0.0019 +/- 0.0108**

**Std Dev: 0.2635 +/- 0.0077**

**Entries: 1918**

**Mean: 0.7119 +/- 0.0103**

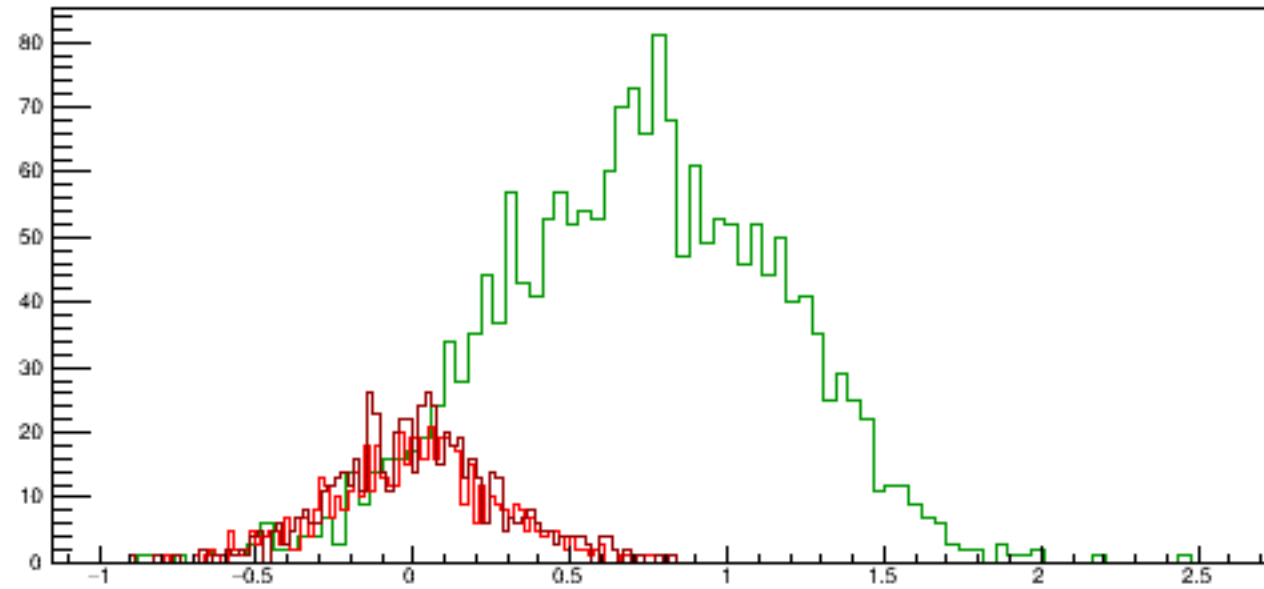
**Std Dev: 0.4531 +/- 0.0073**

**Entries: 616**

**Mean: 0.0120 +/- 0.0107**

**Std Dev: 0.2652 +/- 0.0076**

Run 5786 quartetwise, Diffs



# Cycle 4, Sums

**Entries: 593**

**Mean: 2.9655 +/- 0.0122**

**Std Dev: 0.2969 +/- 0.0086**

**Entries: 1918**

**Mean: 26.2977 +/- 0.0357**

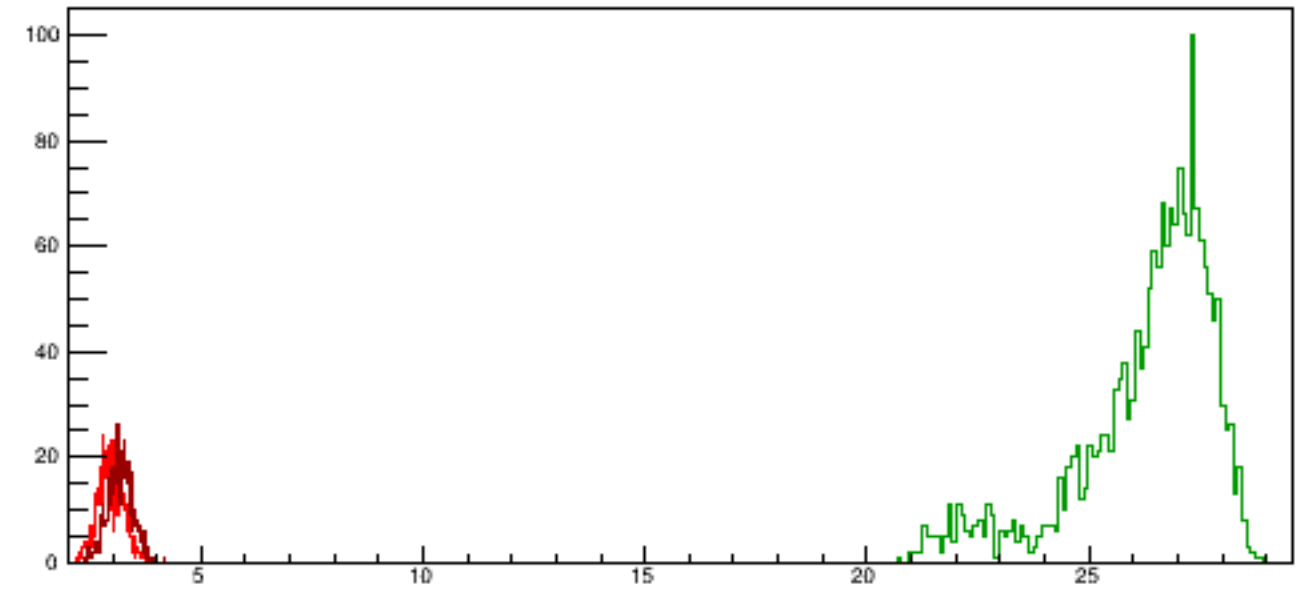
**Std Dev: 1.5656 +/- 0.0253**

**Entries: 616**

**Mean: 3.1720 +/- 0.0114**

**Std Dev: 0.2835 +/- 0.0081**

Run 5786 quartetwise, Sums



Acc0/NAcc0:mpsCoda {mpsCoda>=31567 && mpsCoda<=46742 && beamState==1}

# Cycle 4, Asyms

**Entries: 593**

**Mean: 0.0001 +/- 0.0005**

**Std Dev: 0.0113 +/- 0.0003**

**Entries: 1918**

**Mean: 0.0306 +/- 0.0004**

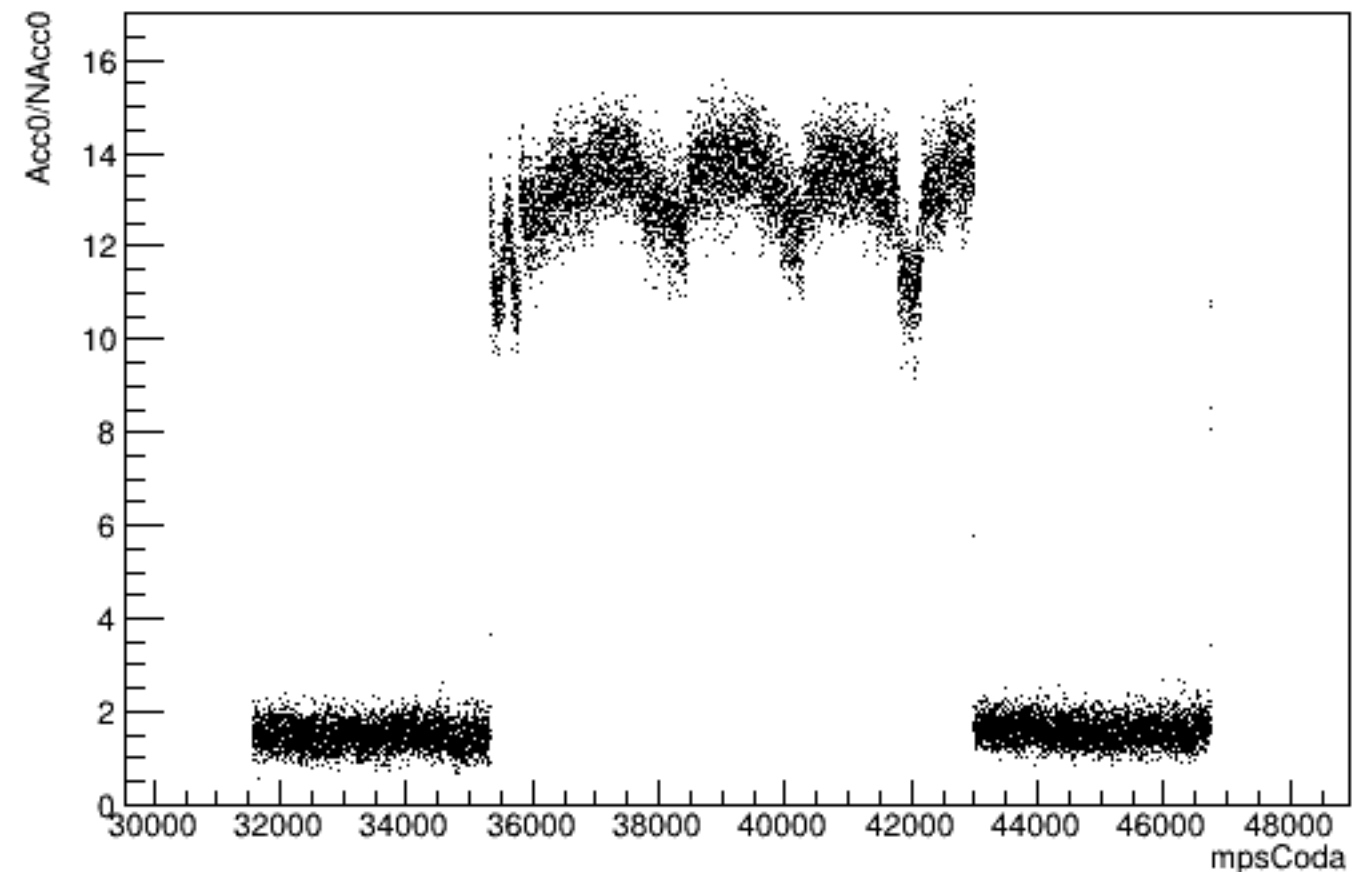
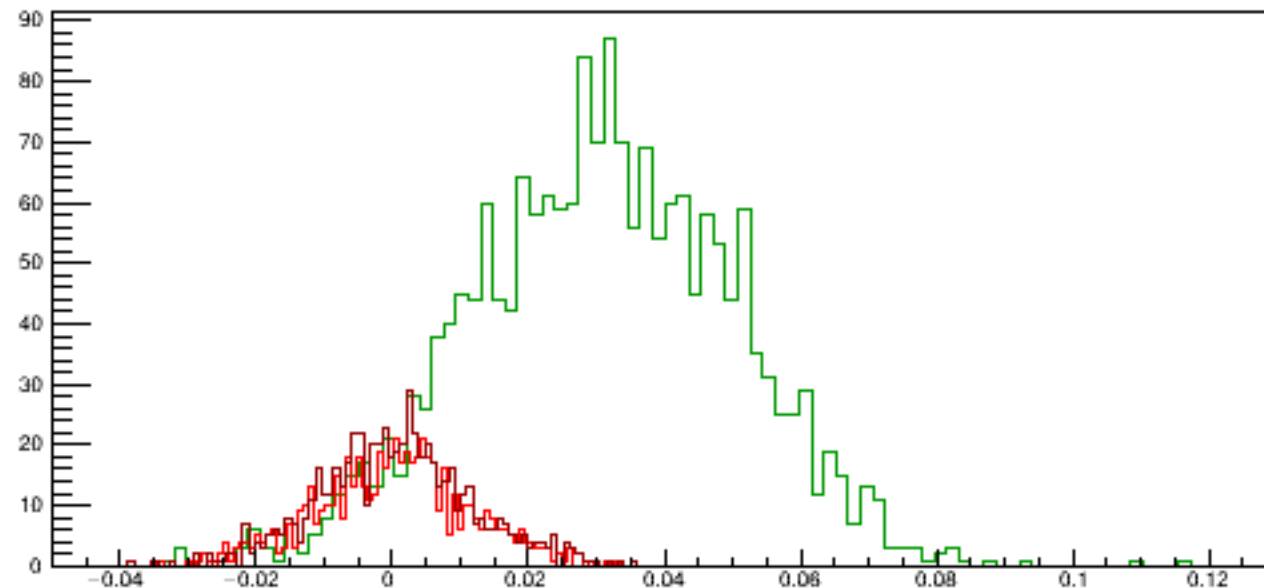
**Std Dev: 0.0197 +/- 0.0003**

**Entries: 616**

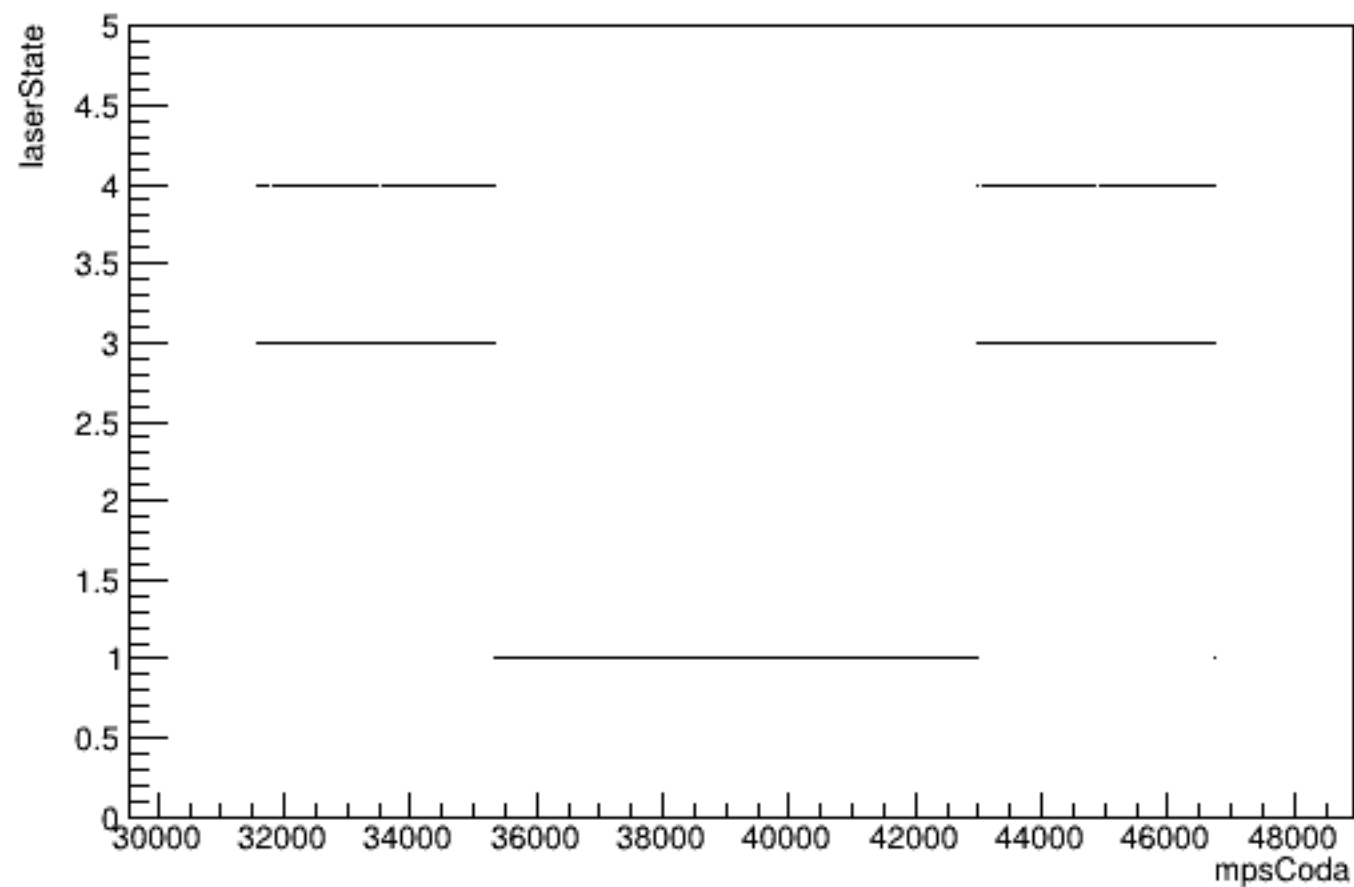
**Mean: 0.0005 +/- 0.0005**

**Std Dev: 0.0114 +/- 0.0003**

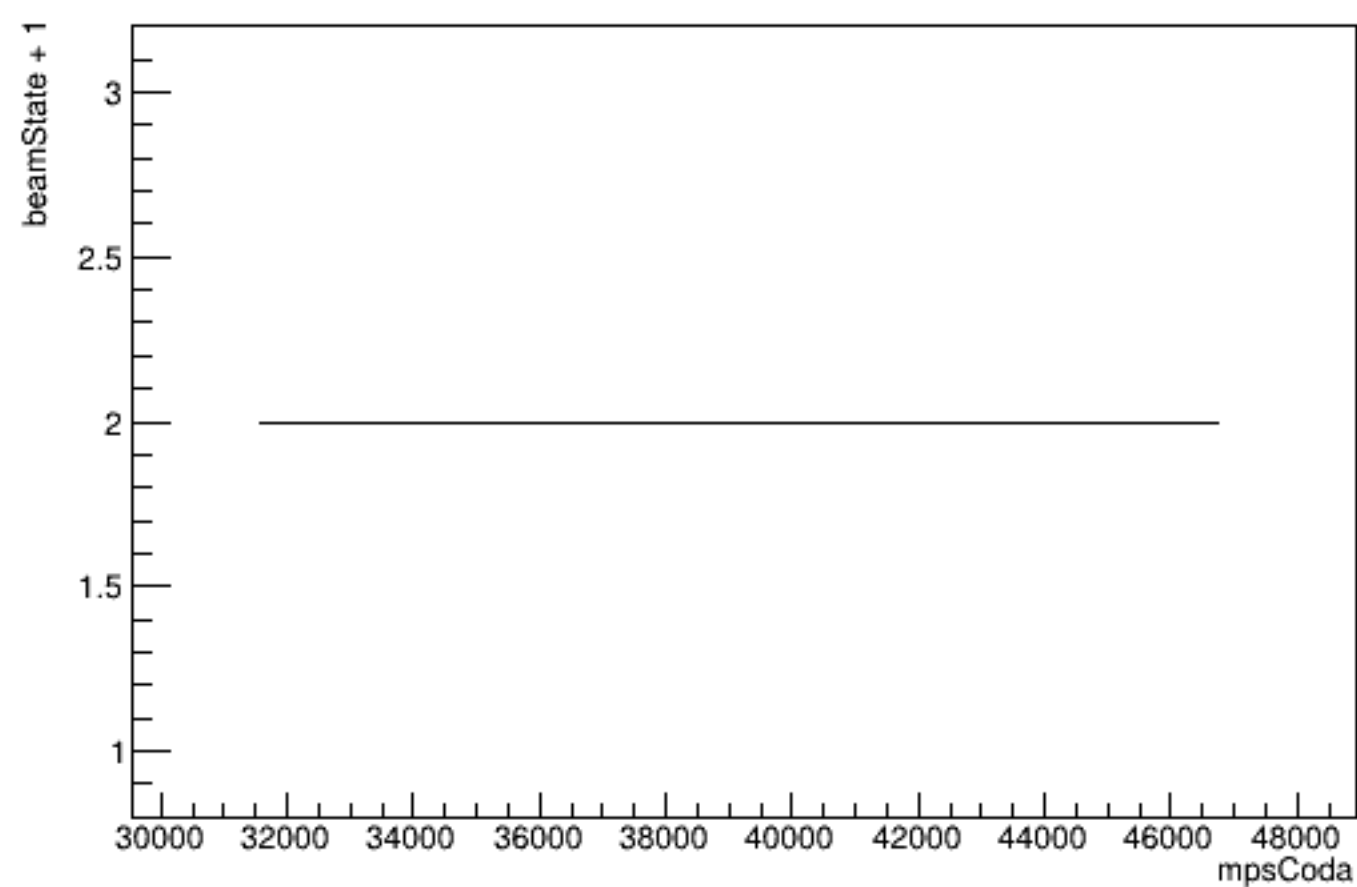
Run 5786 quartetwise, Asyms



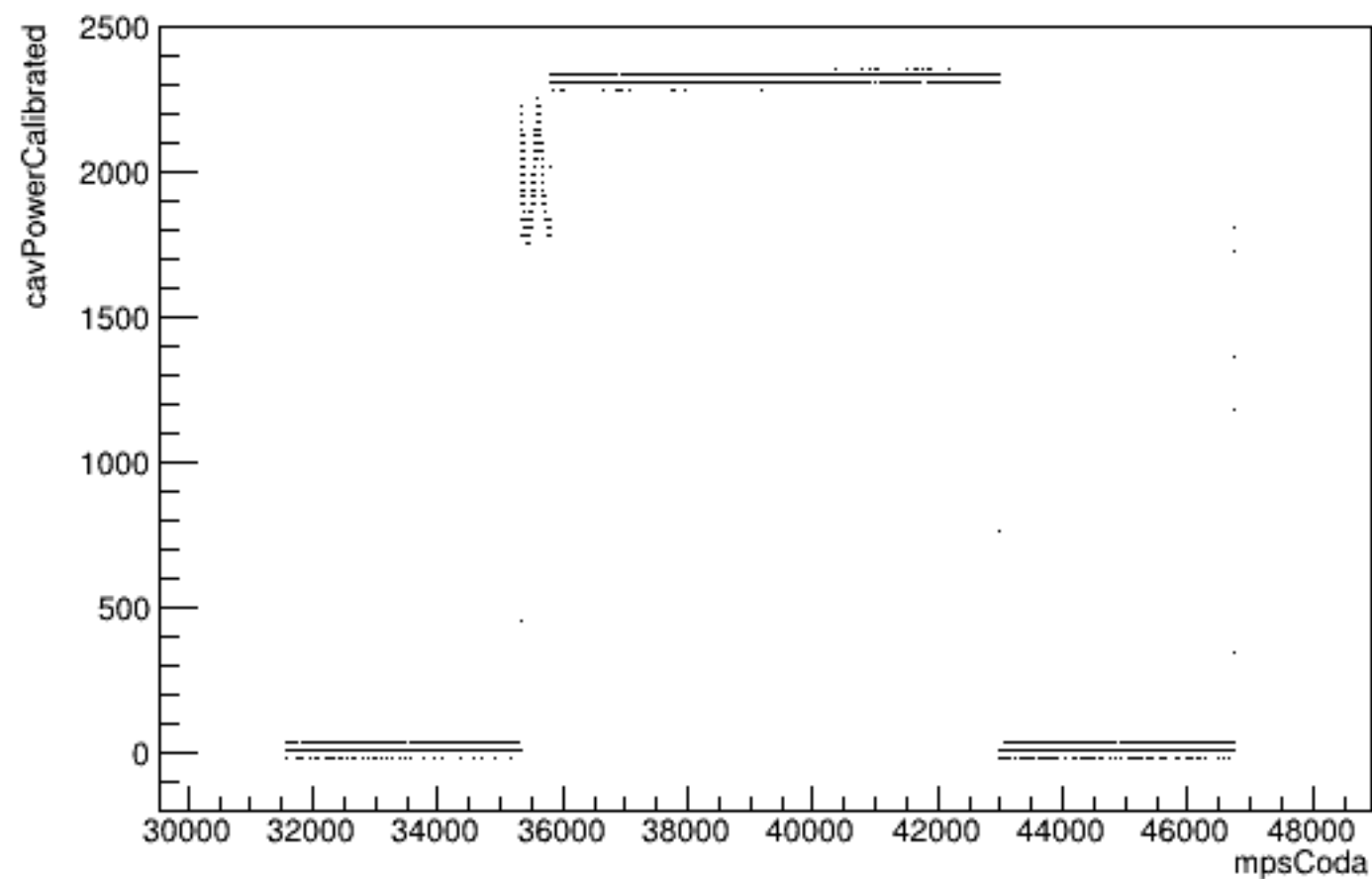
laserState:mpsCoda {mpsCoda&gt;=31567 &amp;&amp; mpsCoda&lt;=46742}



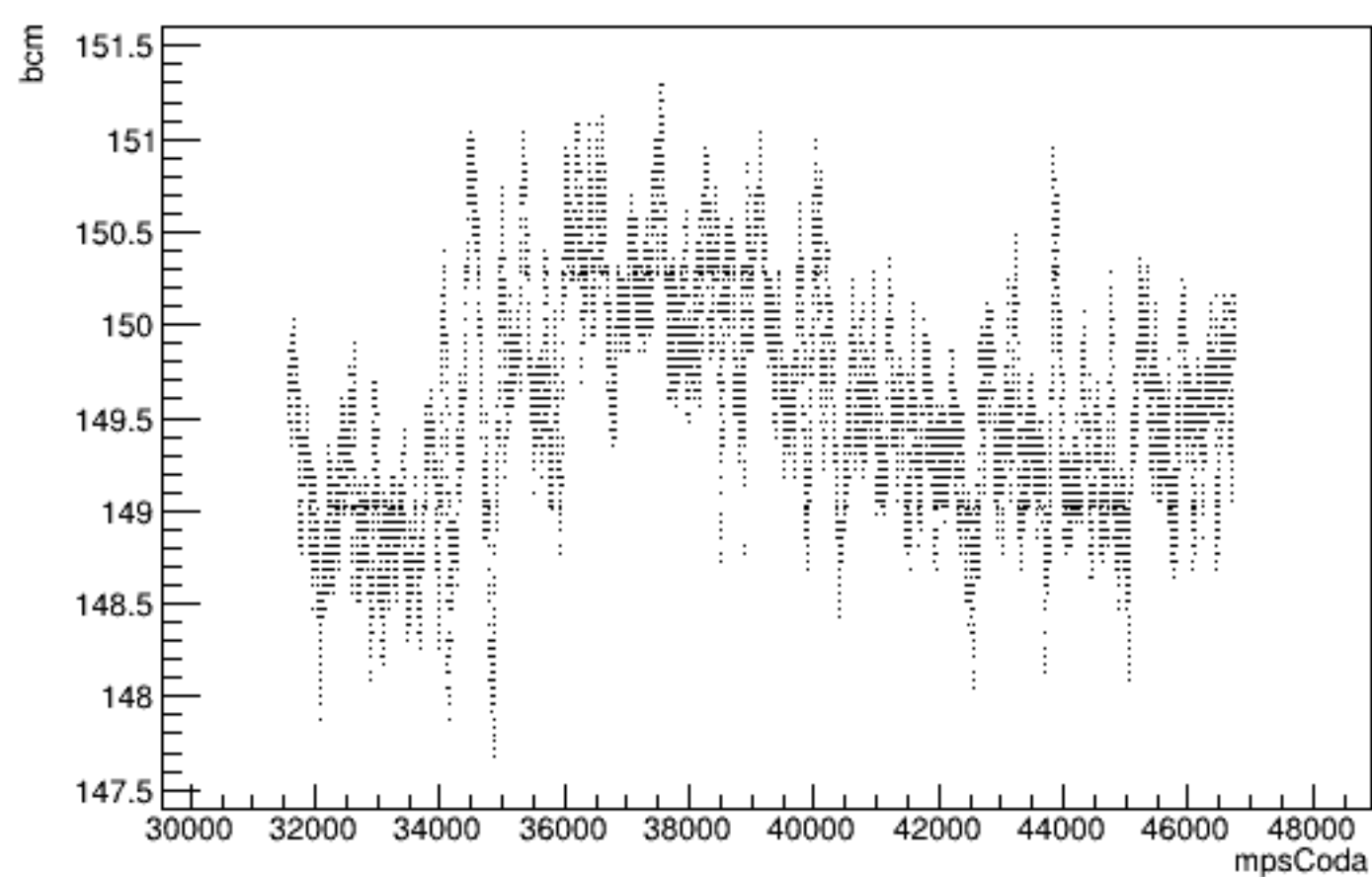
beamState + 1:mpsCoda {mpsCoda&gt;=31567 &amp;&amp; mpsCoda&lt;=46742}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=31567 &amp;&amp; mpsCoda&lt;=46742}



bcm:mpsCoda {mpsCoda&gt;=31567 &amp;&amp; mpsCoda&lt;=46742}

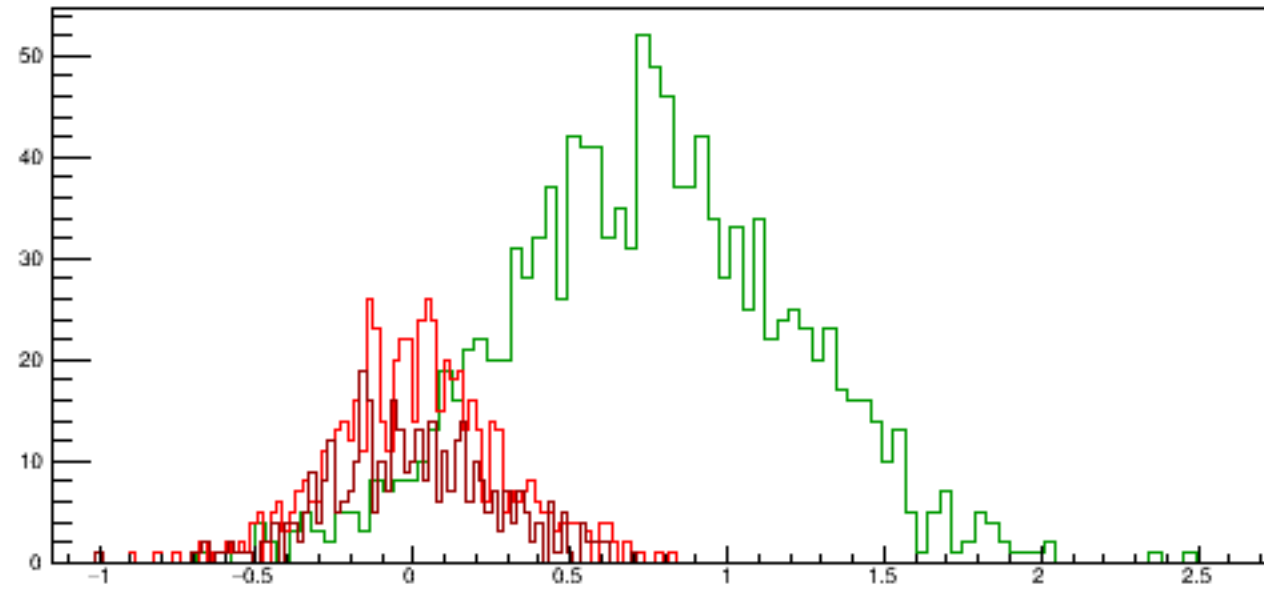




# Cycle 5, Diffs

<b>Entries: 616</b> <b>Mean: 0.0120 +/- 0.0107</b> <b>Std Dev: 0.2652 +/- 0.0076</b>	<b>Entries: 1262</b> <b>Mean: 0.7472 +/- 0.0130</b> <b>Std Dev: 0.4603 +/- 0.0092</b>	<b>Entries: 380</b> <b>Mean: -0.0030 +/- 0.0138</b> <b>Std Dev: 0.2684 +/- 0.0097</b>
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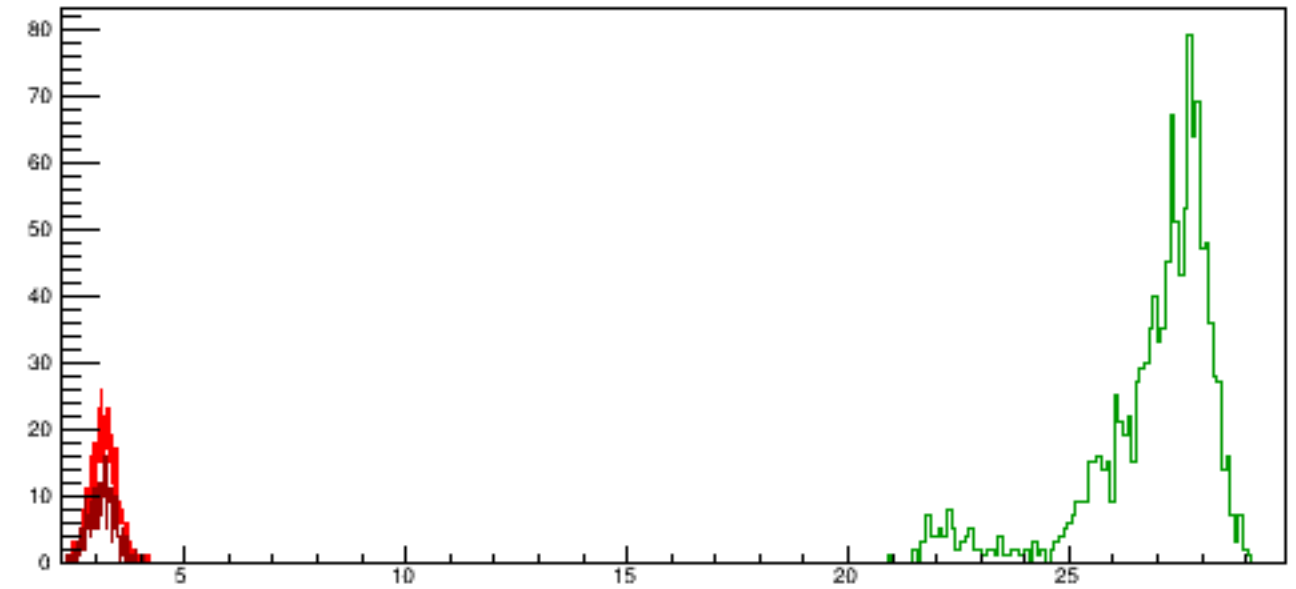
Run 5786 quartetwise, Diffs



# Cycle 5, Sums

<b>Entries: 616</b> <b>Mean: 3.1720 +/- 0.0114</b> <b>Std Dev: 0.2835 +/- 0.0081</b>	<b>Entries: 1262</b> <b>Mean: 26.9106 +/- 0.0409</b> <b>Std Dev: 1.4535 +/- 0.0289</b>	<b>Entries: 380</b> <b>Mean: 3.1405 +/- 0.0153</b> <b>Std Dev: 0.2987 +/- 0.0108</b>
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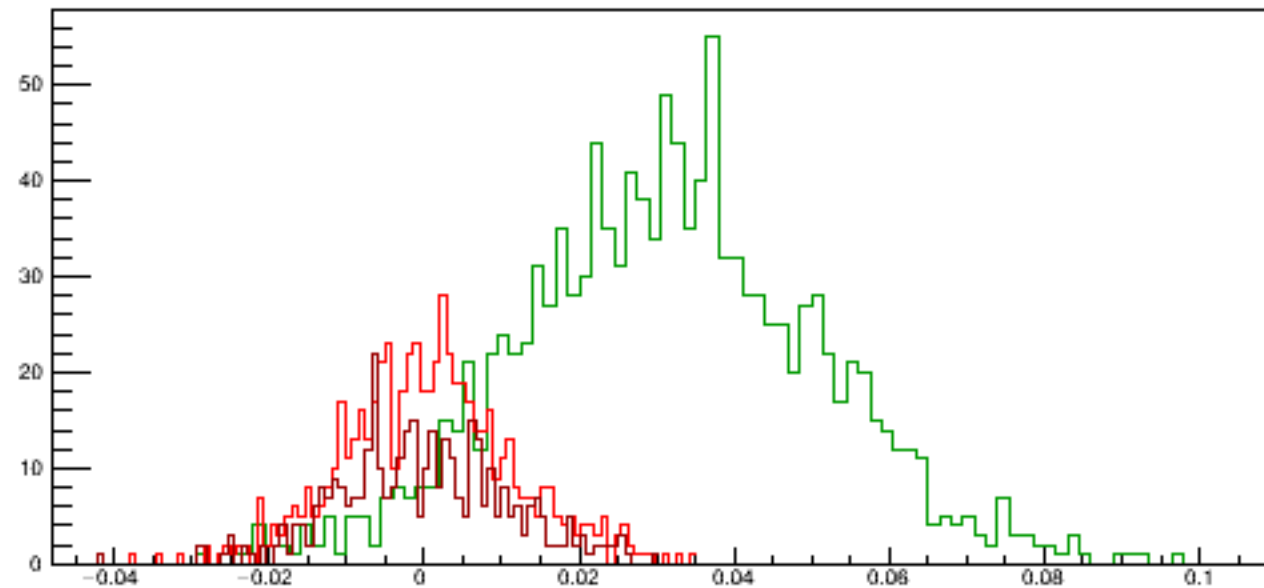
Run 5786 quartetwise, Sums



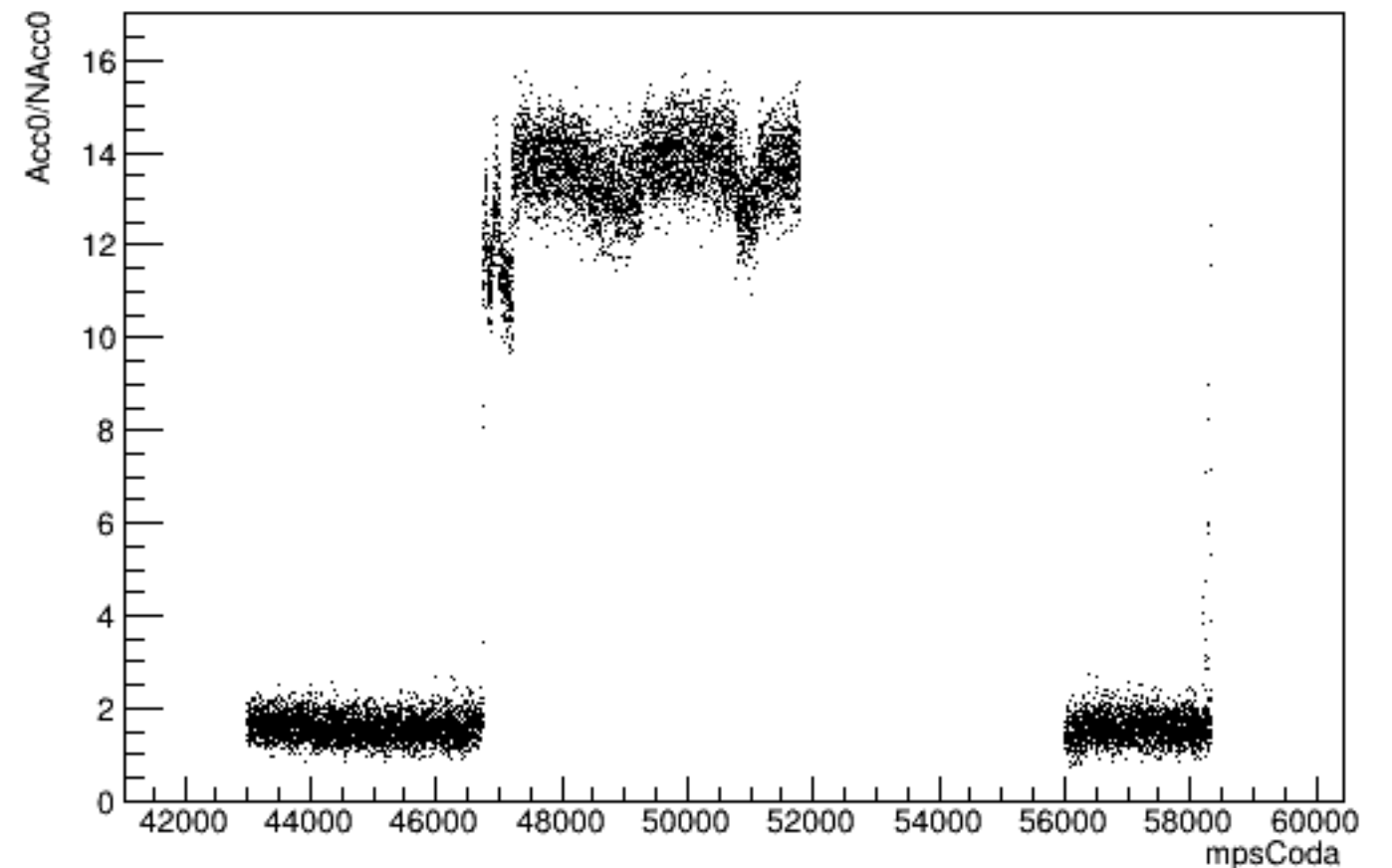
# Cycle 5, Asyms

<b>Entries: 616</b> <b>Mean: 0.0005 +/- 0.0004</b> <b>Std Dev: 0.0112 +/- 0.0003</b>	<b>Entries: 1262</b> <b>Mean: 0.0314 +/- 0.0005</b> <b>Std Dev: 0.0195 +/- 0.0004</b>	<b>Entries: 380</b> <b>Mean: -0.0001 +/- 0.0006</b> <b>Std Dev: 0.0113 +/- 0.0004</b>
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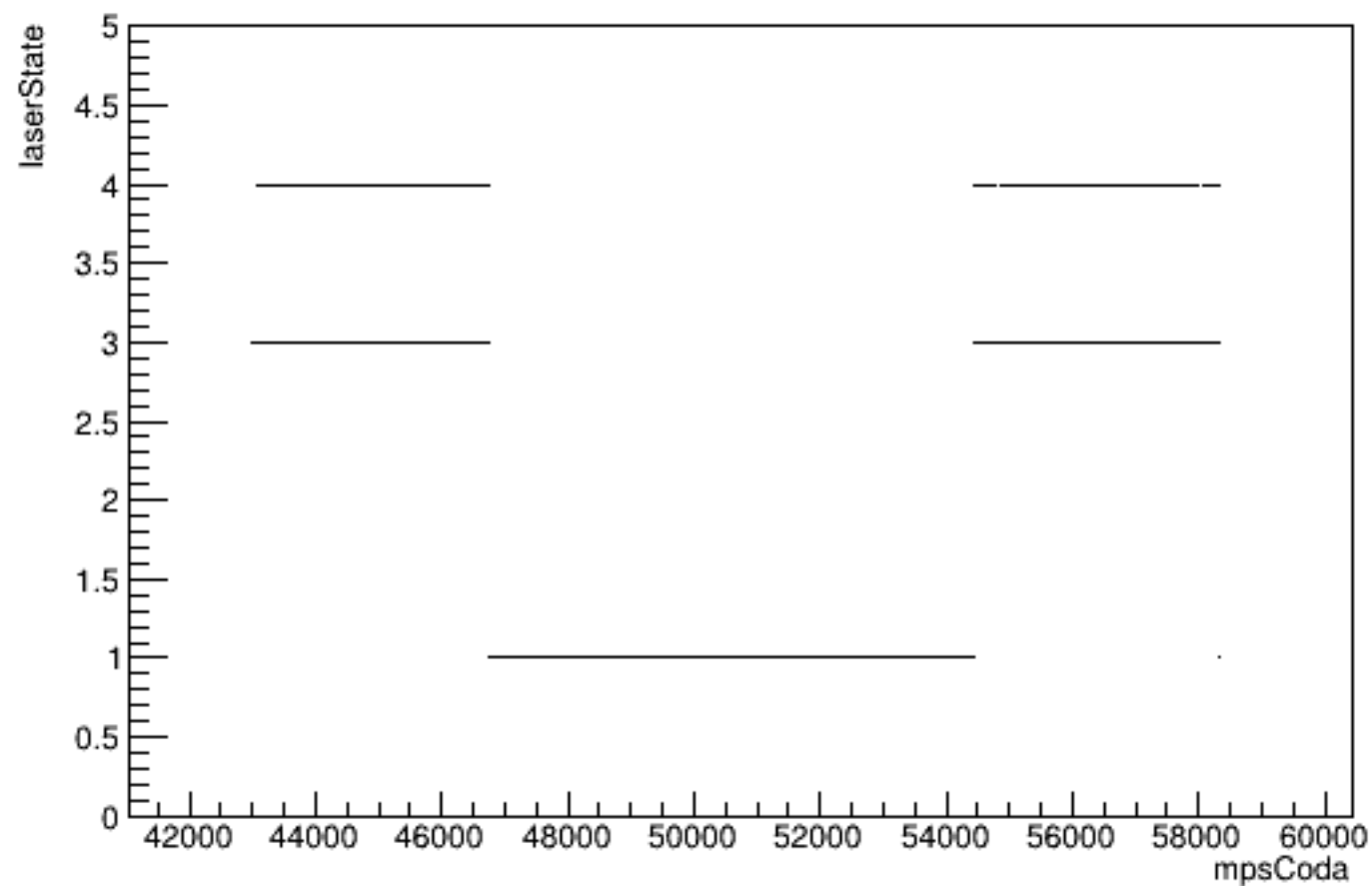
Run 5786 quartetwise, Asyms



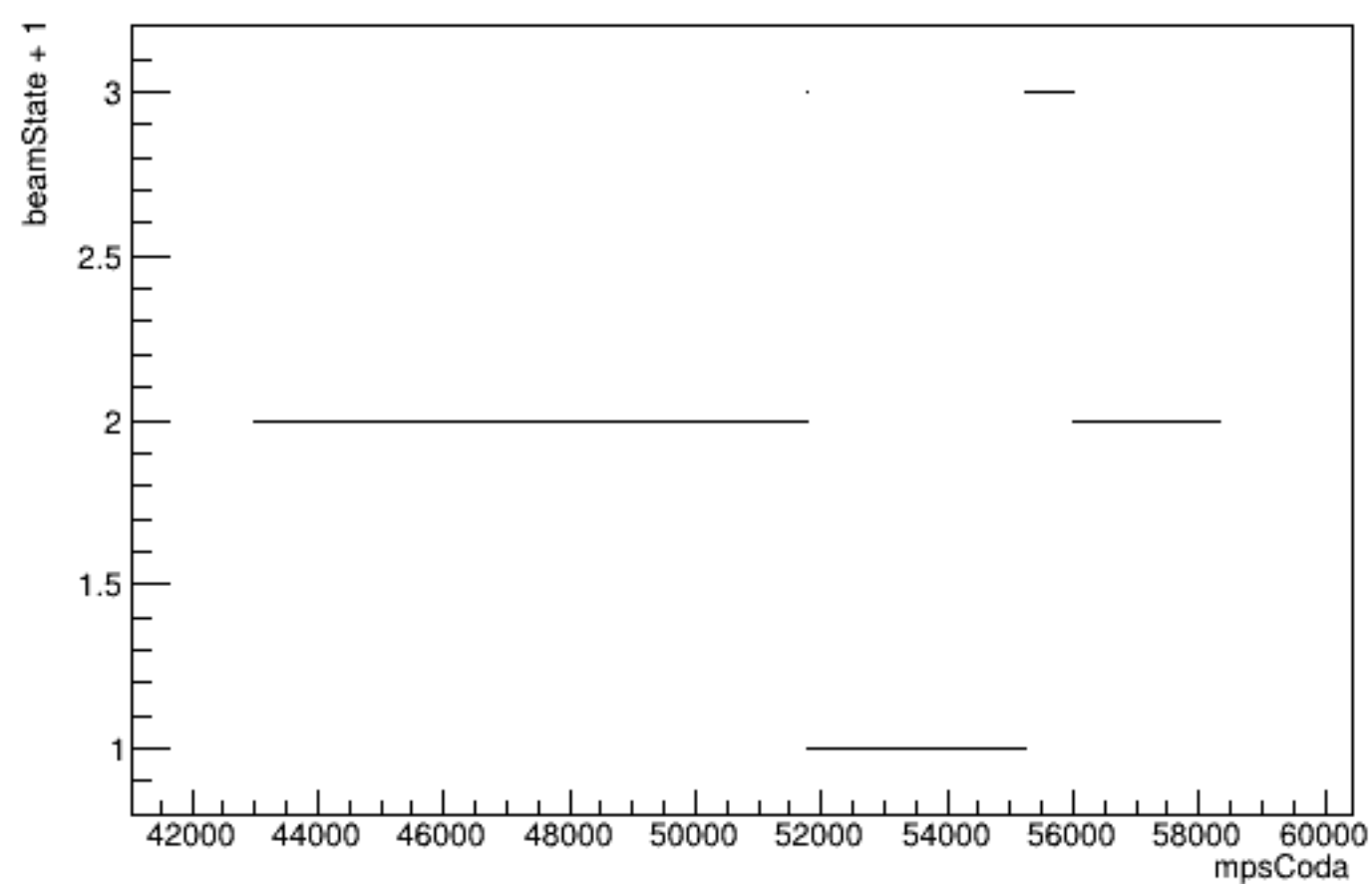
Acc0/NAcc0:mpsCoda {mpsCoda>=42995 && mpsCoda<=58326 && beamState==1}



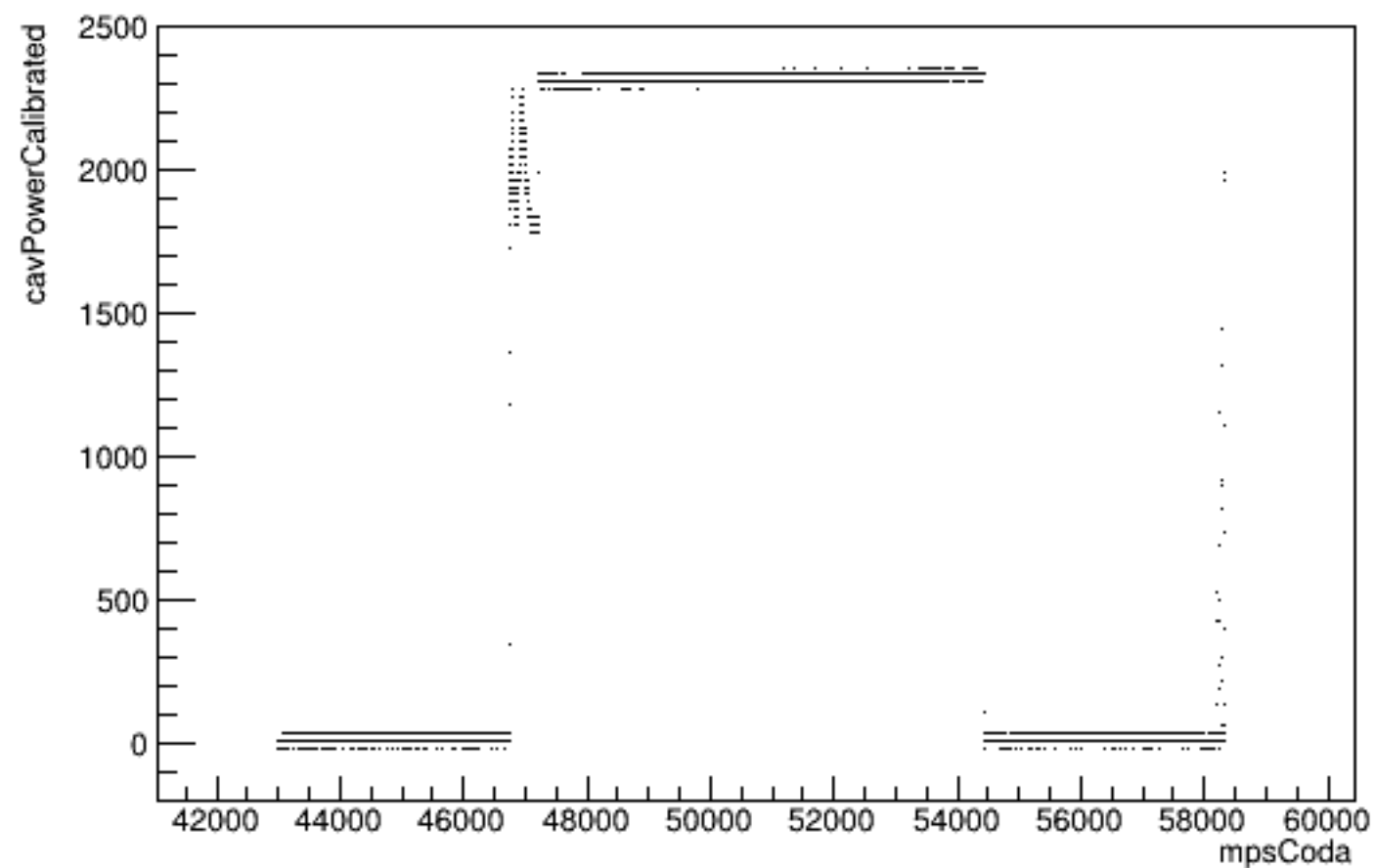
laserState:mpsCoda {mpsCoda&gt;=42995 &amp;&amp; mpsCoda&lt;=58326}



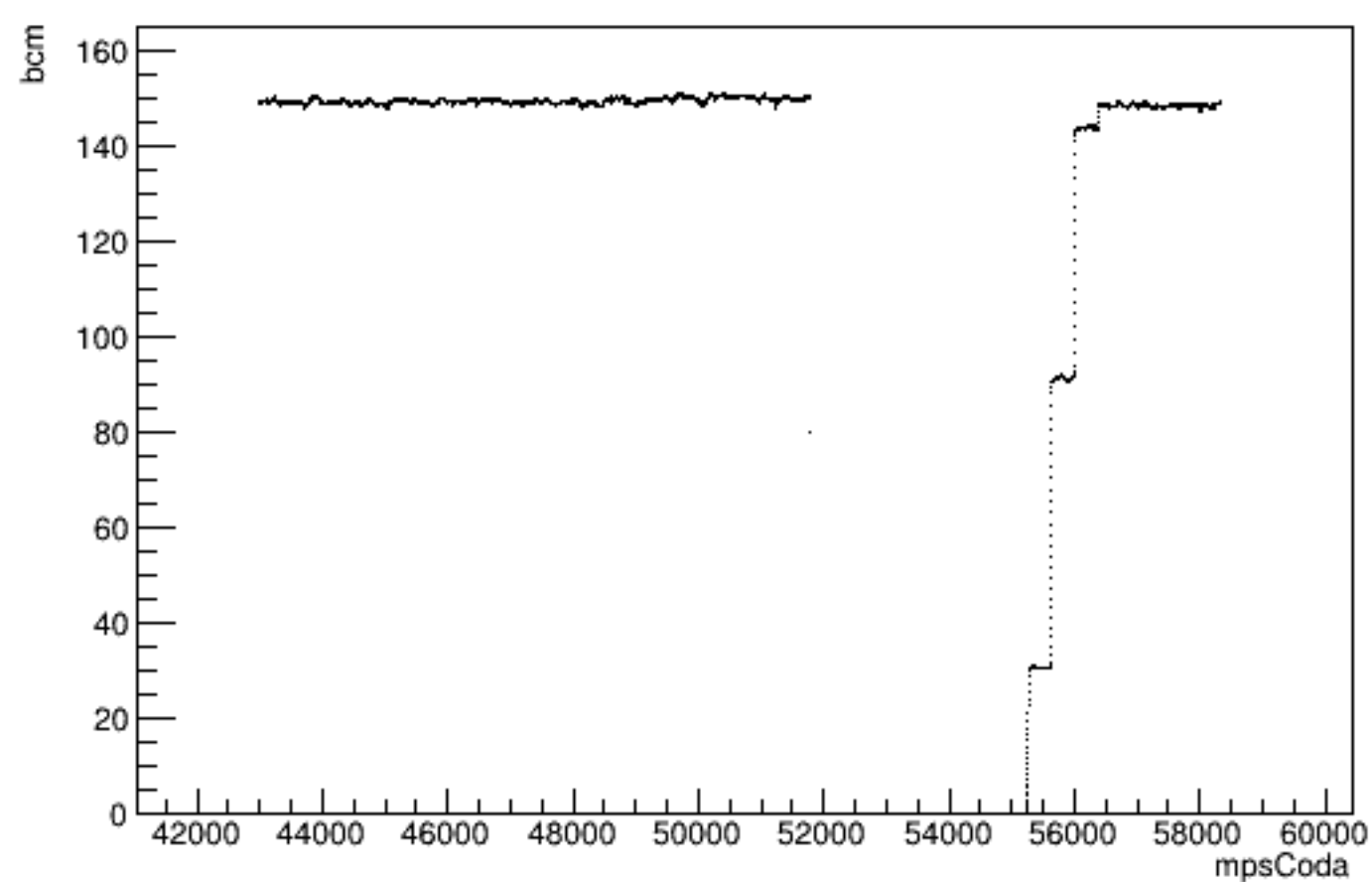
beamState + 1:mpsCoda {mpsCoda&gt;=42995 &amp;&amp; mpsCoda&lt;=58326}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=42995 &amp;&amp; mpsCoda&lt;=58326}



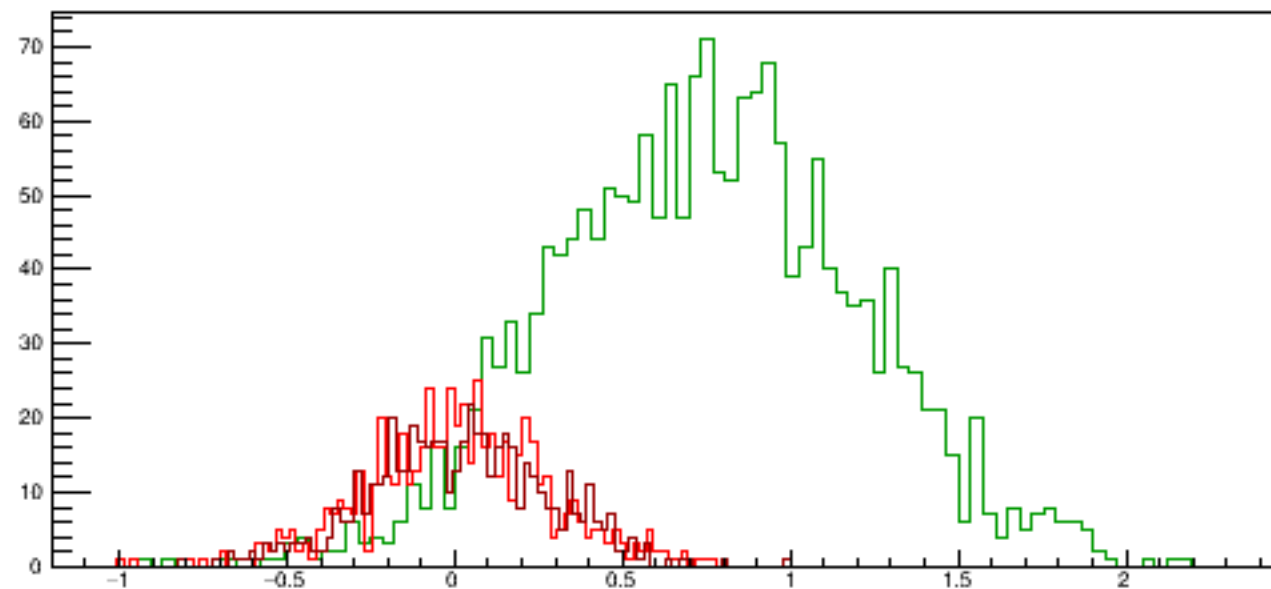
bcm:mpsCoda {mpsCoda&gt;=42995 &amp;&amp; mpsCoda&lt;=58326}



# Cycle 6, Diffs

<b>Entries: 590</b>	<b>Entries: 1902</b>	<b>Entries: 540</b>
<b>Mean: 0.0066 +/- 0.0112</b>	<b>Mean: 0.7459 +/- 0.0104</b>	<b>Mean: 0.0149 +/- 0.0114</b>
<b>Std Dev: 0.2726 +/- 0.0079</b>	<b>Std Dev: 0.4543 +/- 0.0074</b>	<b>Std Dev: 0.2658 +/- 0.0081</b>

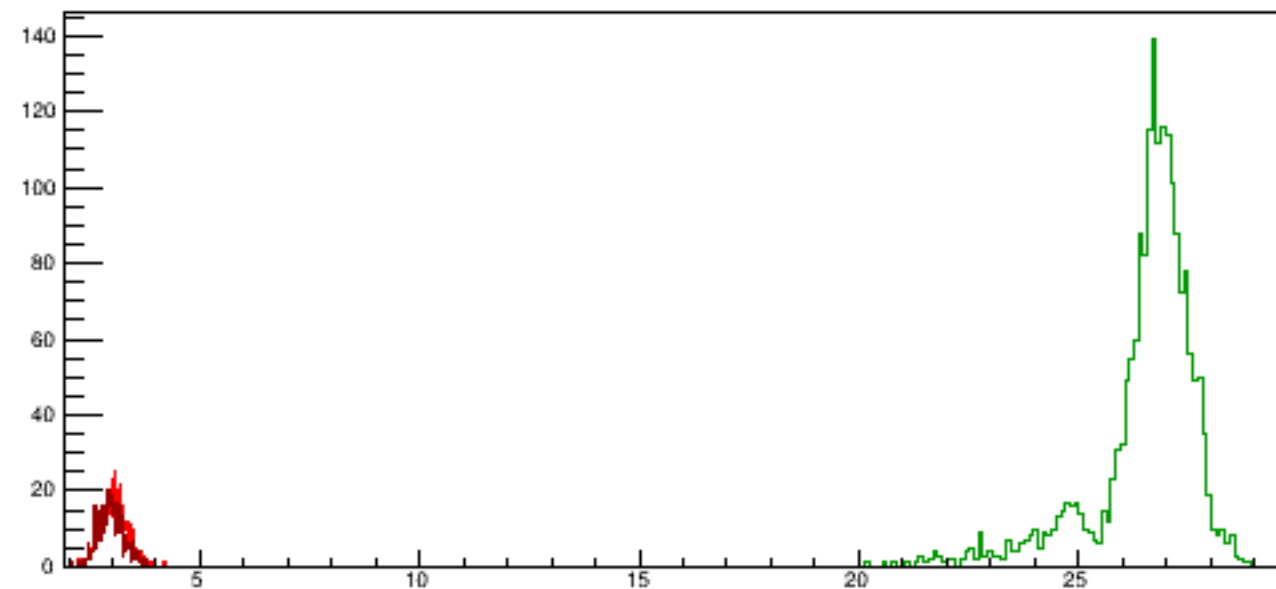
Run 5786 quartetwise, Diffs



# Cycle 6, Sums

<b>Entries: 590</b>	<b>Entries: 1902</b>	<b>Entries: 540</b>
<b>Mean: 3.0324 +/- 0.0126</b>	<b>Mean: 26.5249 +/- 0.0275</b>	<b>Mean: 2.9649 +/- 0.0126</b>
<b>Std Dev: 0.3057 +/- 0.0089</b>	<b>Std Dev: 1.1985 +/- 0.0194</b>	<b>Std Dev: 0.2937 +/- 0.0089</b>

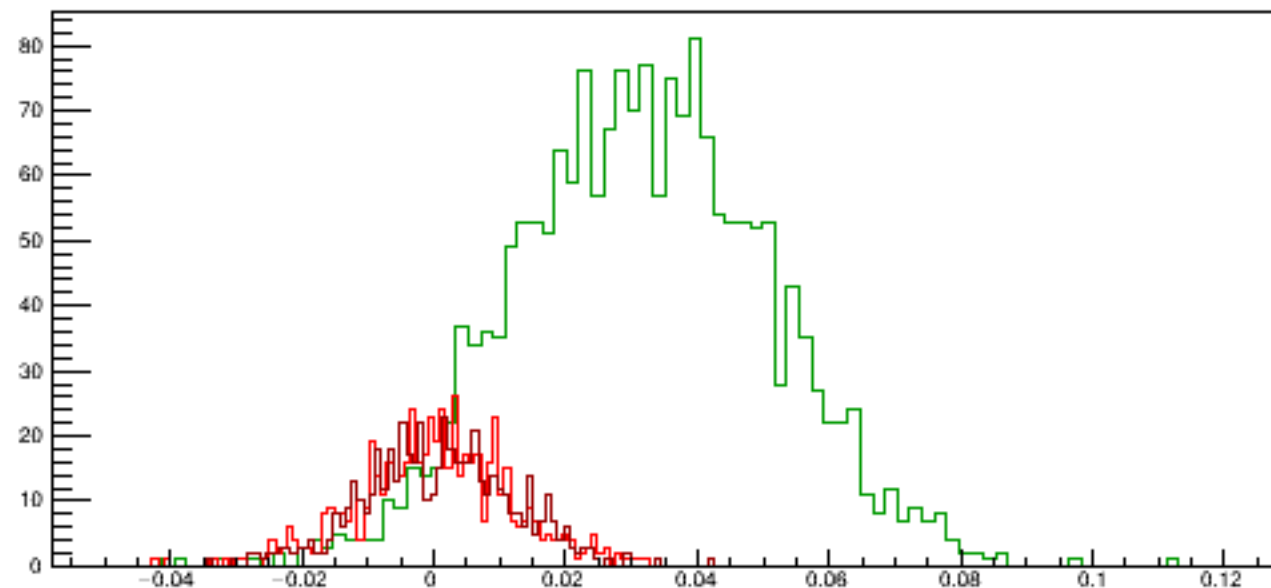
Run 5786 quartetwise, Sums



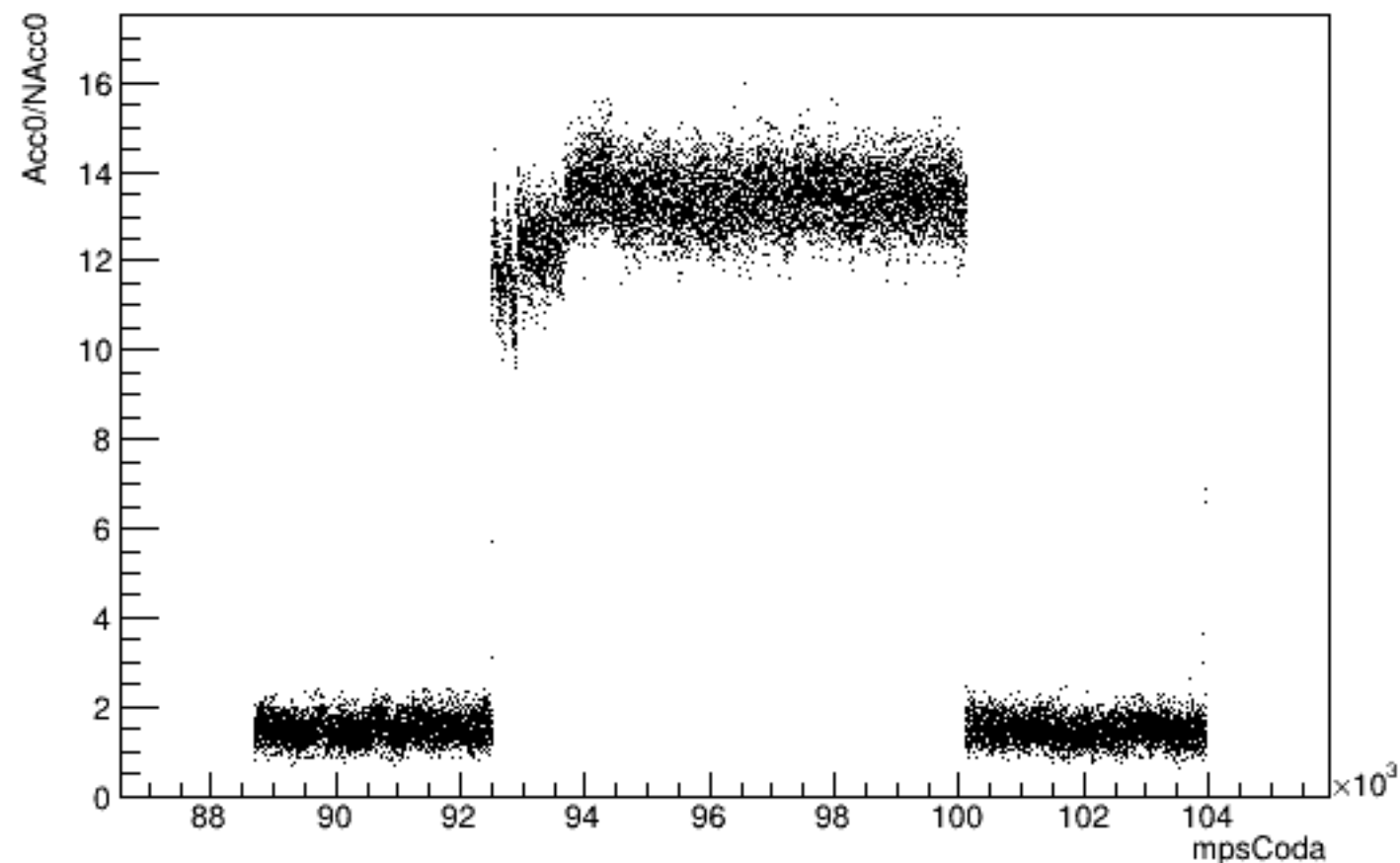
# Cycle 6, Asyms

<b>Entries: 590</b>	<b>Entries: 1902</b>	<b>Entries: 540</b>
<b>Mean: 0.0003 +/- 0.0005</b>	<b>Mean: 0.0316 +/- 0.0004</b>	<b>Mean: 0.0006 +/- 0.0005</b>
<b>Std Dev: 0.0116 +/- 0.0003</b>	<b>Std Dev: 0.0193 +/- 0.0003</b>	<b>Std Dev: 0.0113 +/- 0.0003</b>

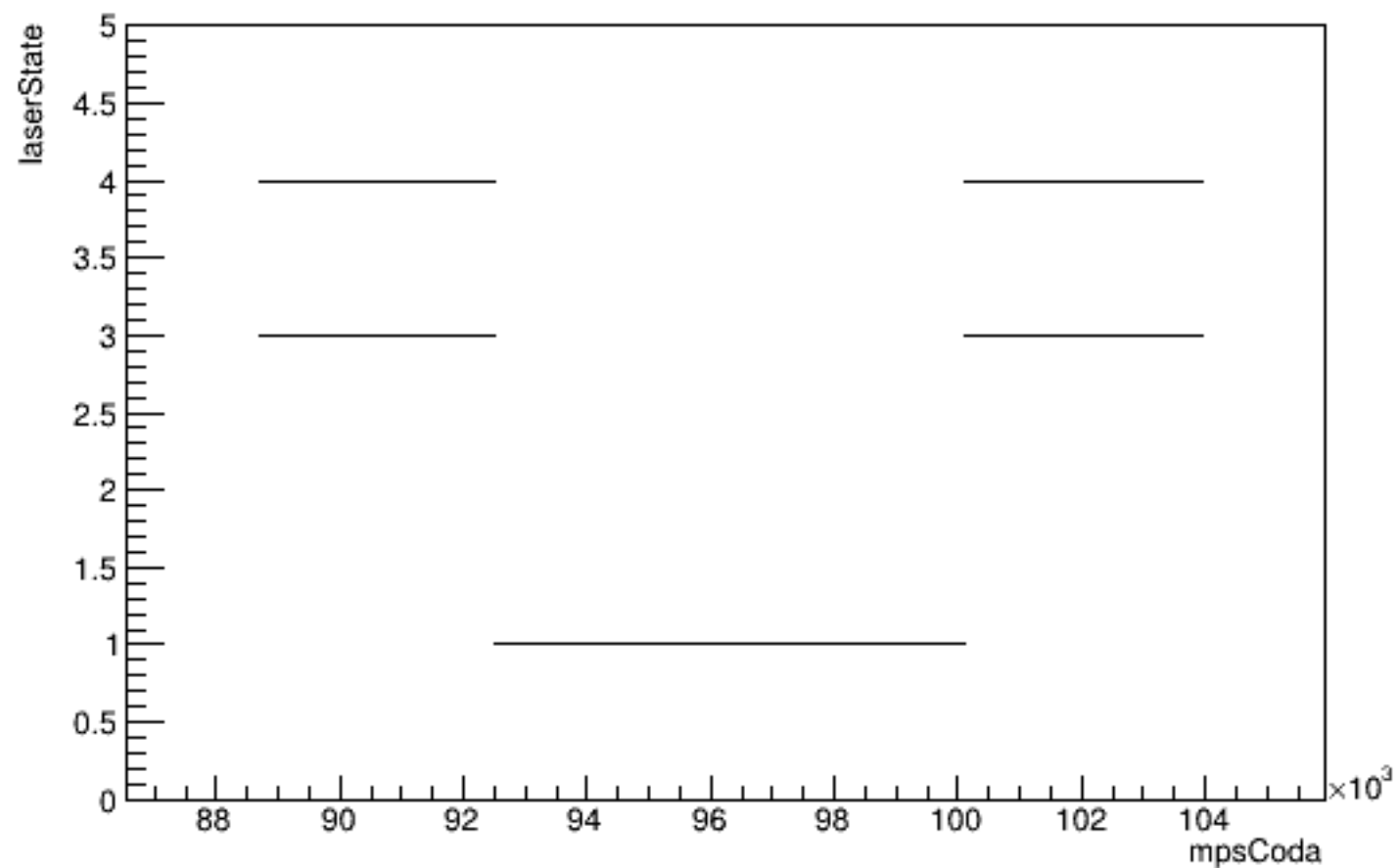
Run 5786 quartetwise, Asyms



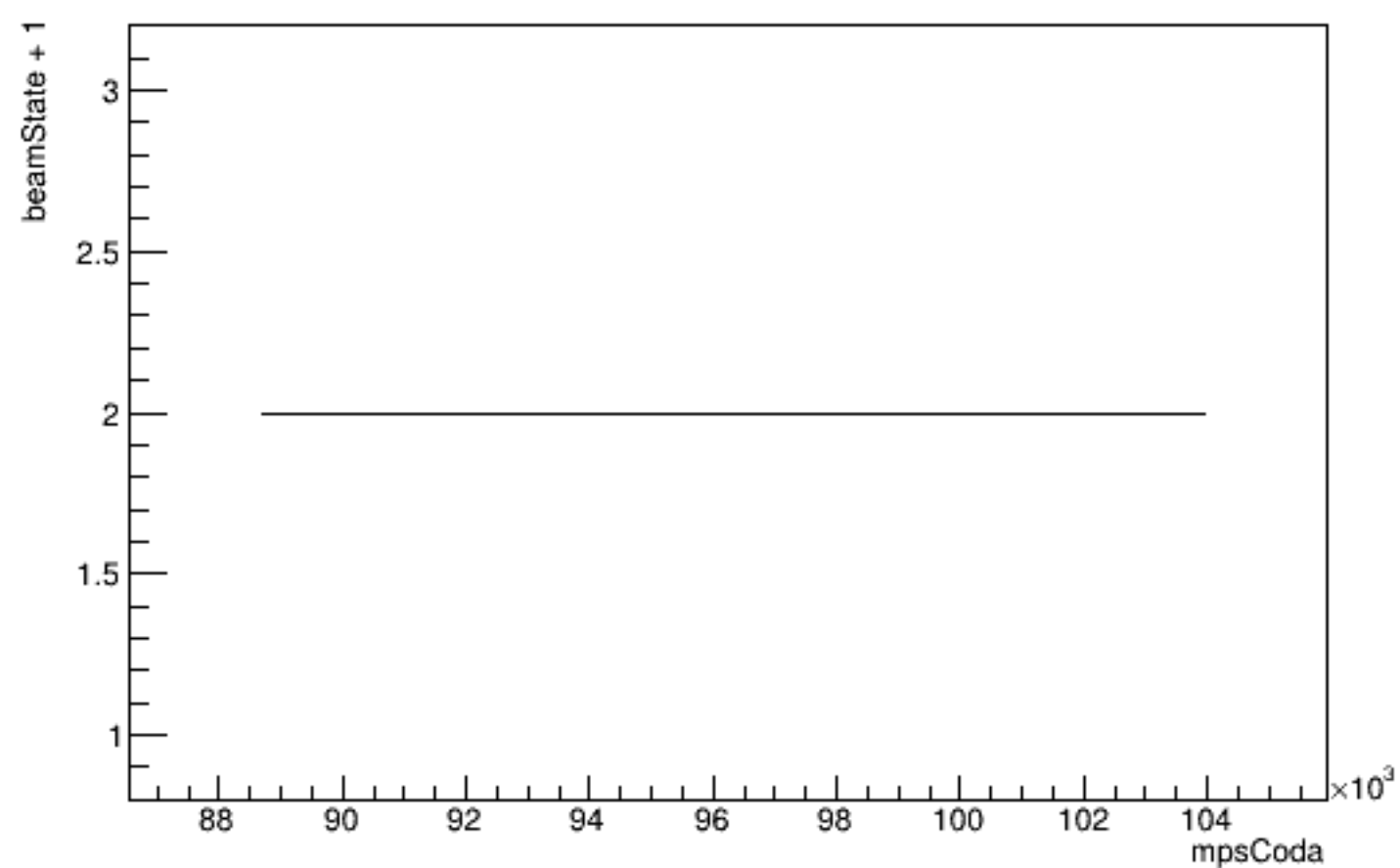
Acc0/NAcc0:mpsCoda {mpsCoda>=88683 && mpsCoda<=103950 && beamState==1}



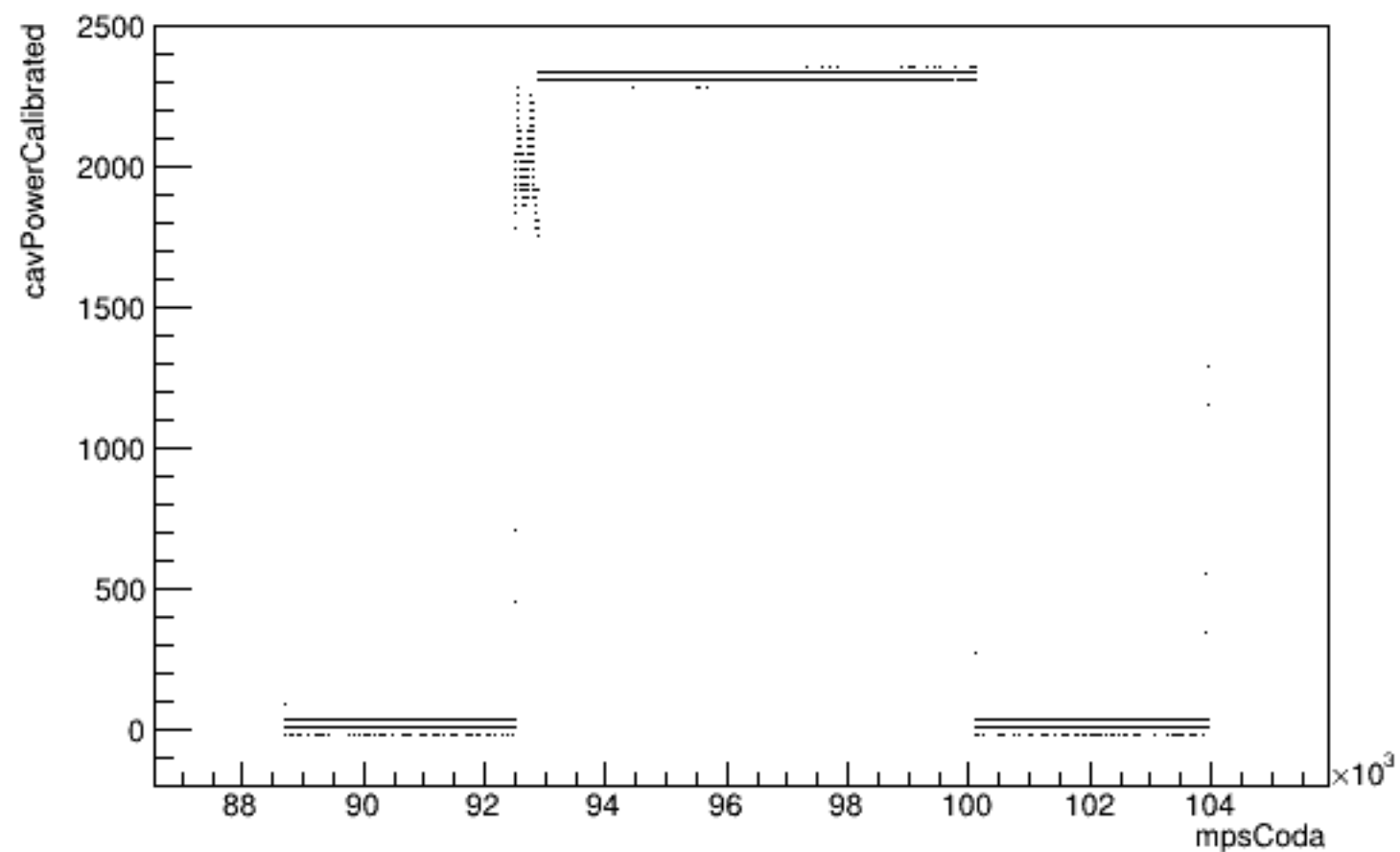
laserState:mpsCoda {mpsCoda&gt;=88683 &amp;&amp; mpsCoda&lt;=103950}



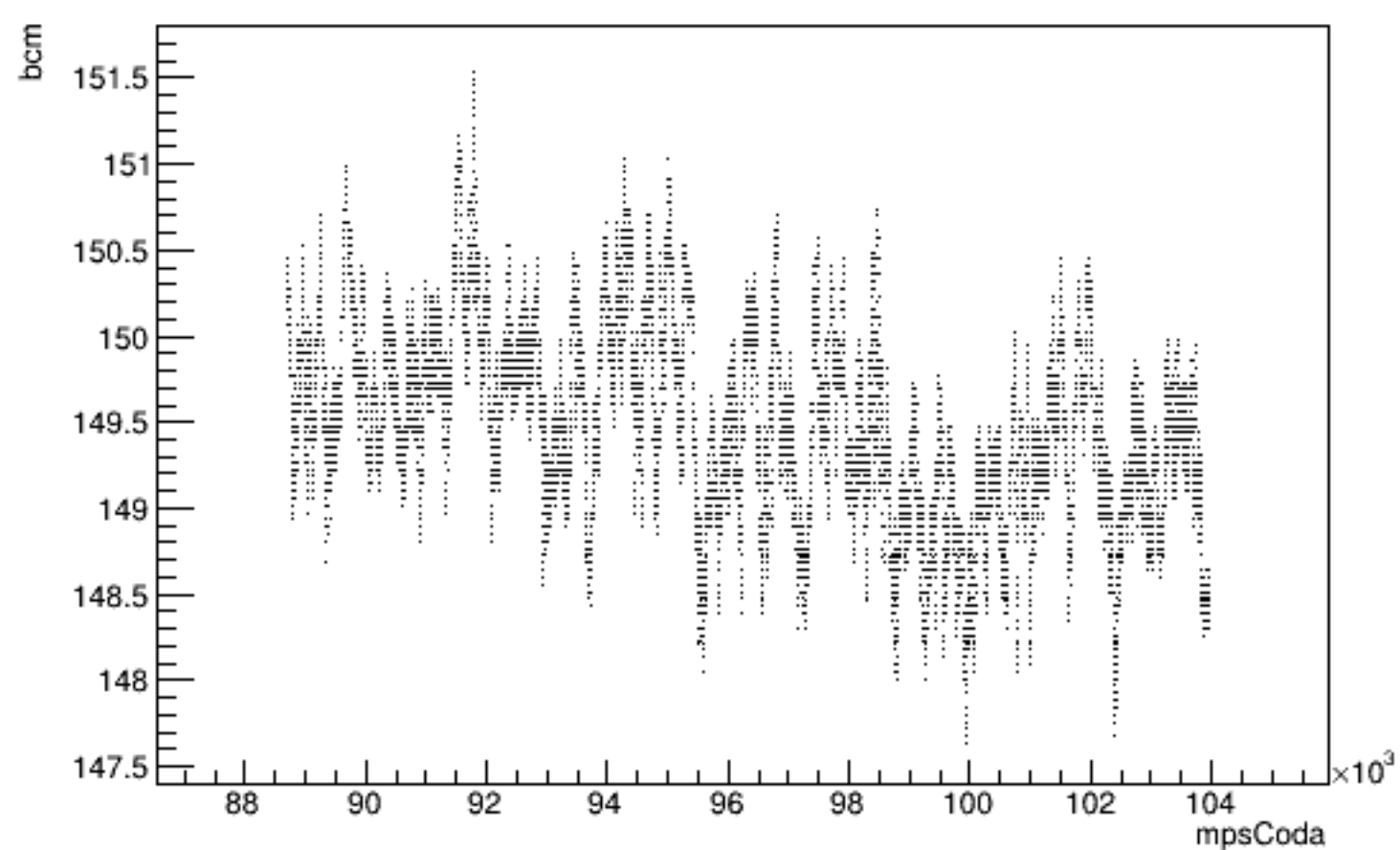
beamState + 1:mpsCoda {mpsCoda&gt;=88683 &amp;&amp; mpsCoda&lt;=103950}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=88683 &amp;&amp; mpsCoda&lt;=103950}



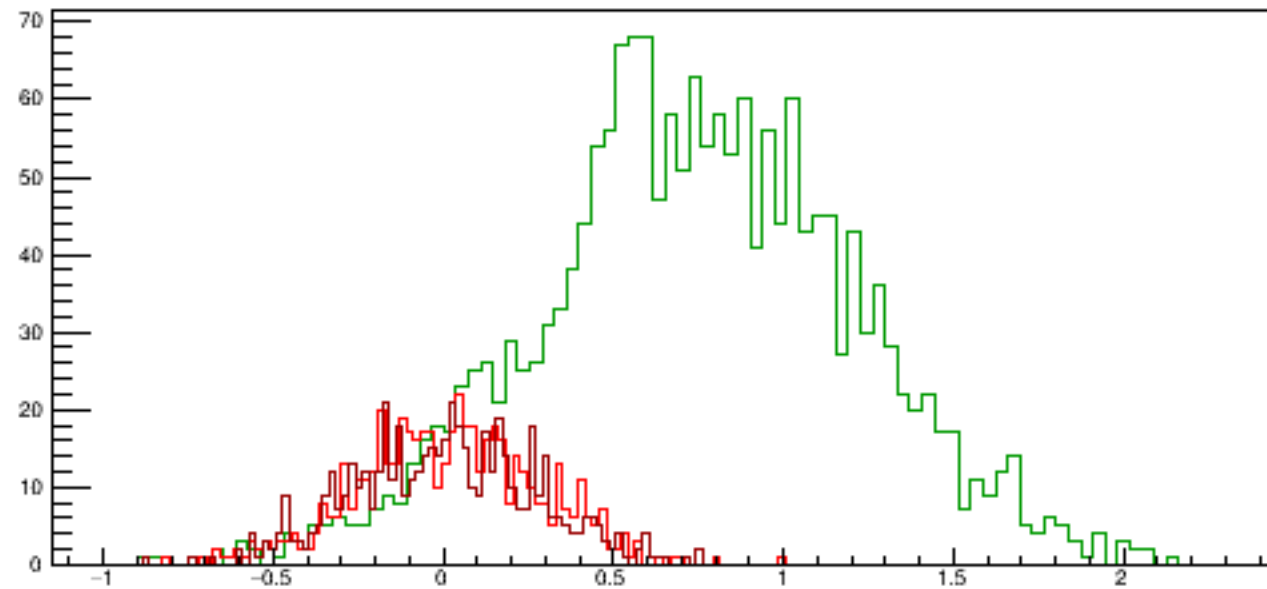
bcm:mpsCoda {mpsCoda&gt;=88683 &amp;&amp; mpsCoda&lt;=103950}



# Cycle 7, Diffs

<b>Entries: 540</b>	<b>Entries: 1894</b>	<b>Entries: 541</b>
<b>Mean: 0.0149 +/- 0.0114</b>	<b>Mean: 0.7398 +/- 0.0108</b>	<b>Mean: 0.0056 +/- 0.0116</b>
<b>Std Dev: 0.2658 +/- 0.0081</b>	<b>Std Dev: 0.4680 +/- 0.0076</b>	<b>Std Dev: 0.2694 +/- 0.0082</b>

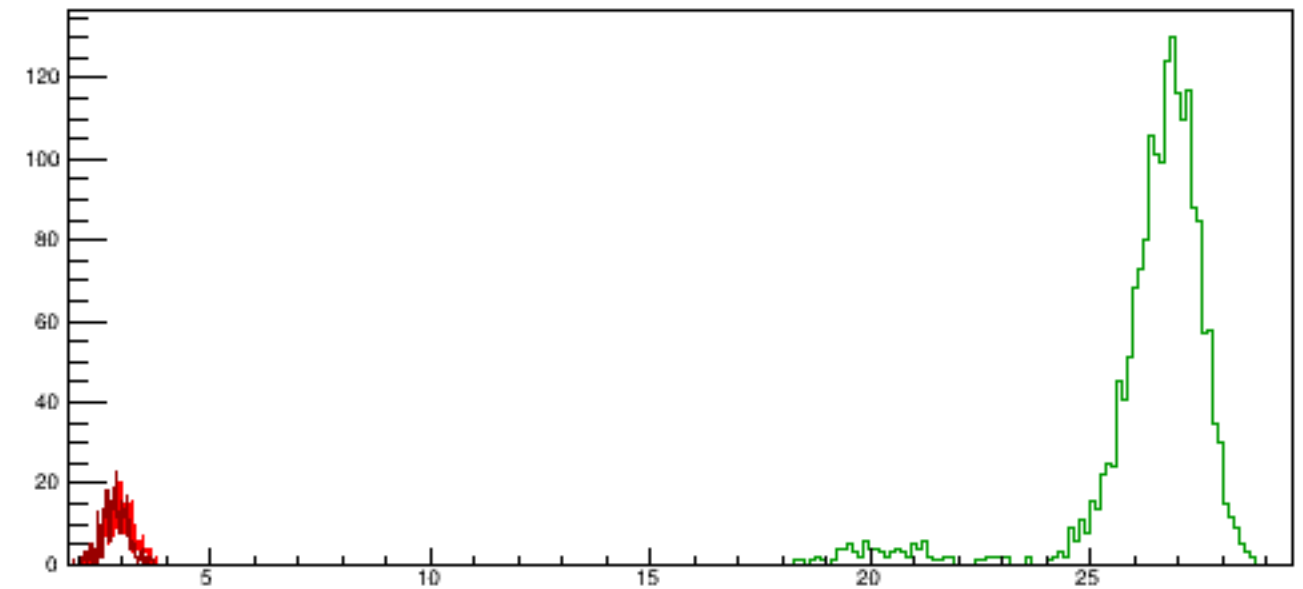
Run 5786 quartetwise, Diffs



# Cycle 7, Sums

<b>Entries: 540</b>	<b>Entries: 1894</b>	<b>Entries: 541</b>
<b>Mean: 2.9649 +/- 0.0126</b>	<b>Mean: 26.4052 +/- 0.0349</b>	<b>Mean: 2.8003 +/- 0.0129</b>
<b>Std Dev: 0.2937 +/- 0.0089</b>	<b>Std Dev: 1.5191 +/- 0.0247</b>	<b>Std Dev: 0.3002 +/- 0.0091</b>

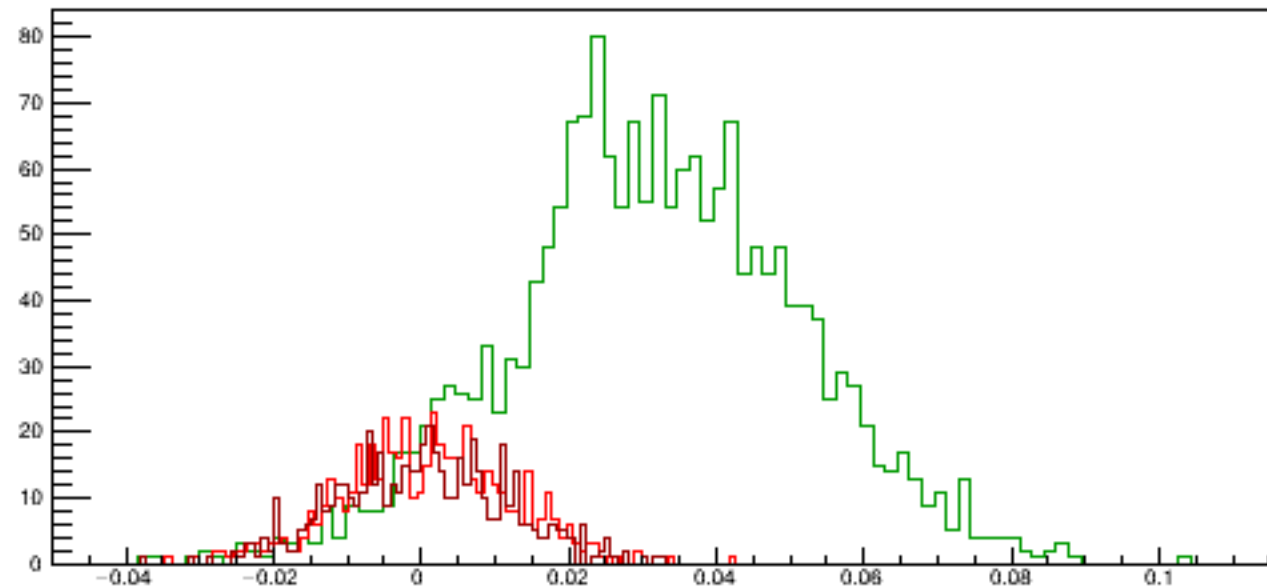
Run 5786 quartetwise, Sums



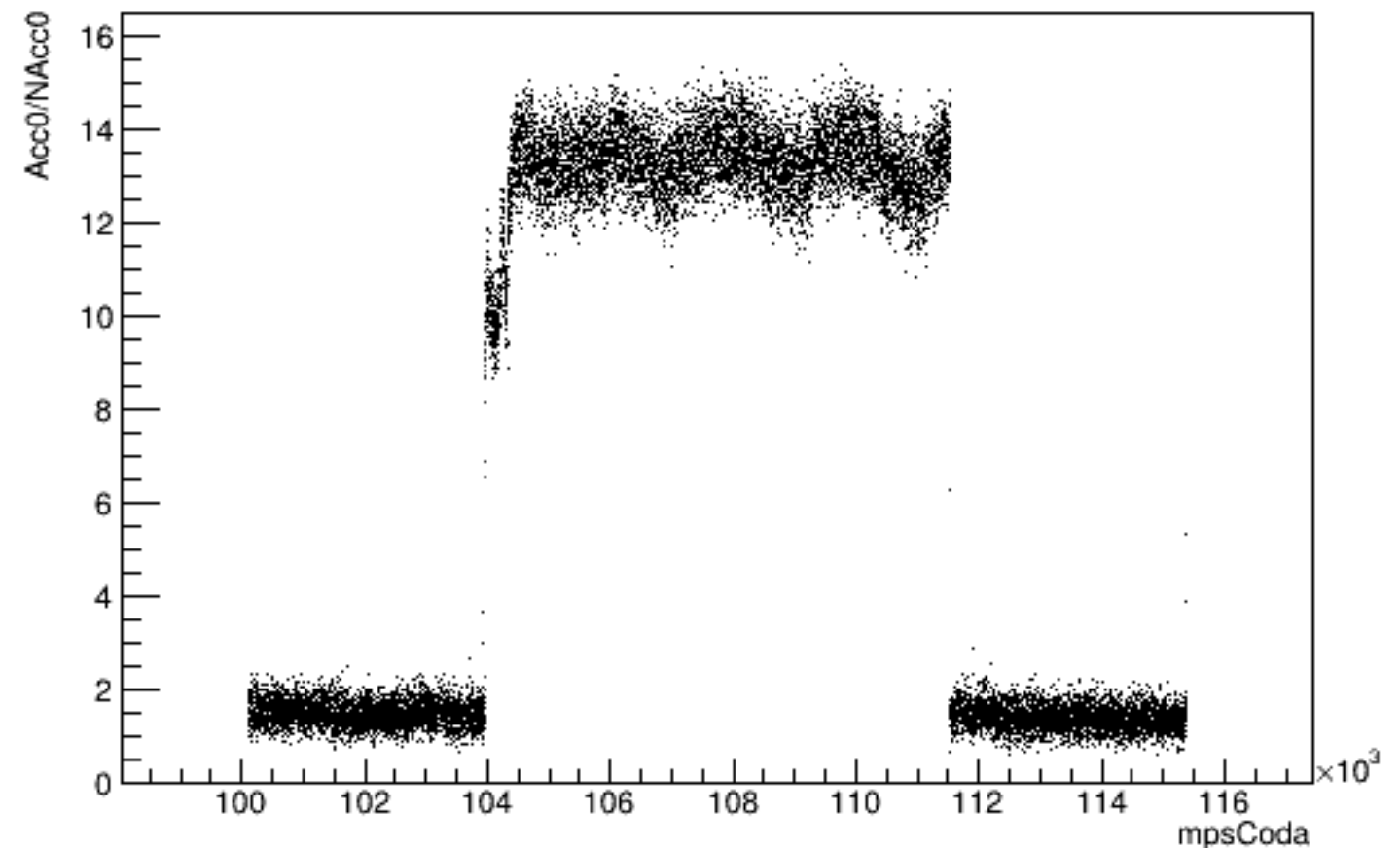
# Cycle 7, Asyms

<b>Entries: 540</b>	<b>Entries: 1894</b>	<b>Entries: 541</b>
<b>Mean: 0.0006 +/- 0.0005</b>	<b>Mean: 0.0314 +/- 0.0005</b>	<b>Mean: 0.0002 +/- 0.0005</b>
<b>Std Dev: 0.0113 +/- 0.0003</b>	<b>Std Dev: 0.0199 +/- 0.0003</b>	<b>Std Dev: 0.0115 +/- 0.0003</b>

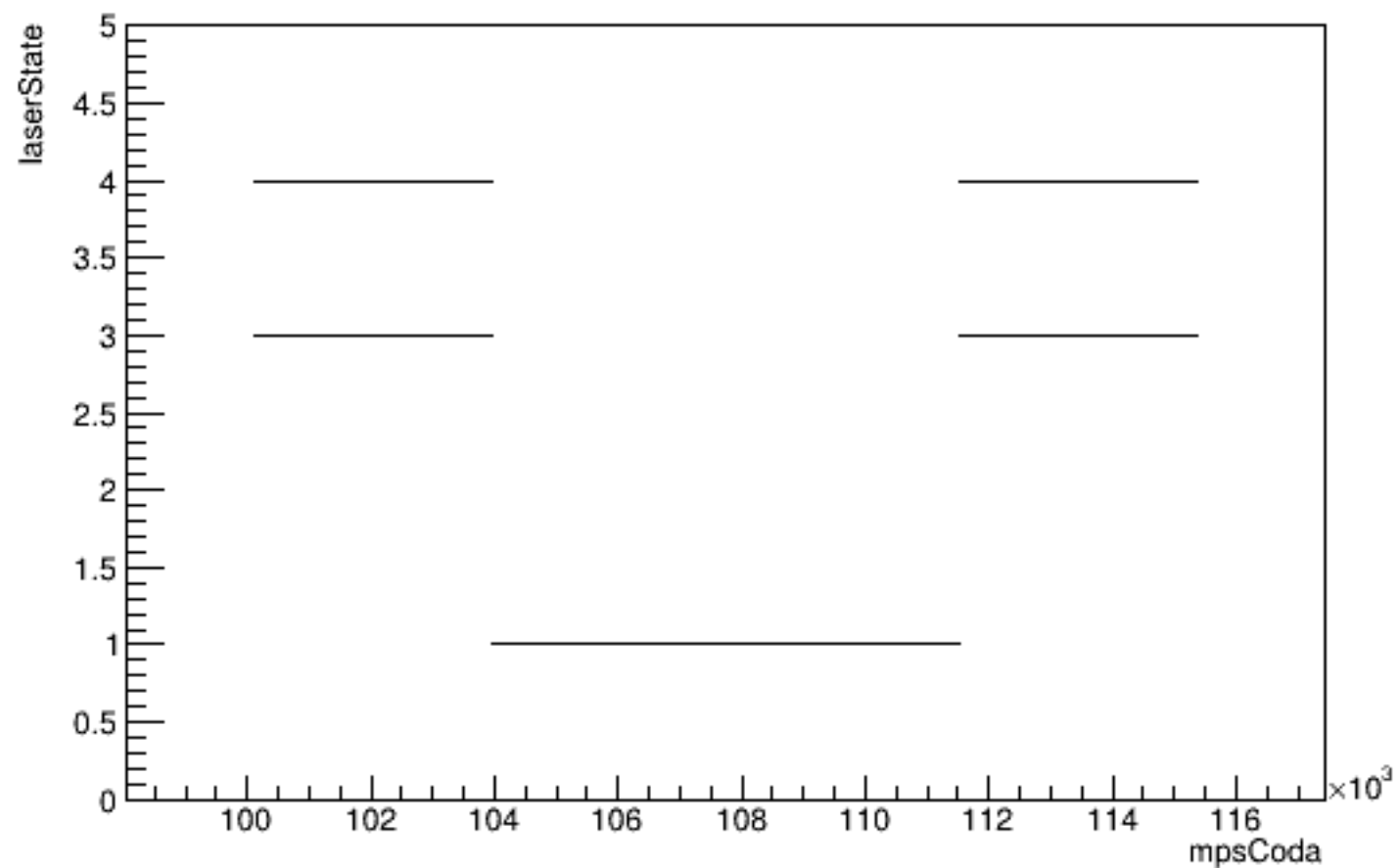
Run 5786 quartetwise, Asyms



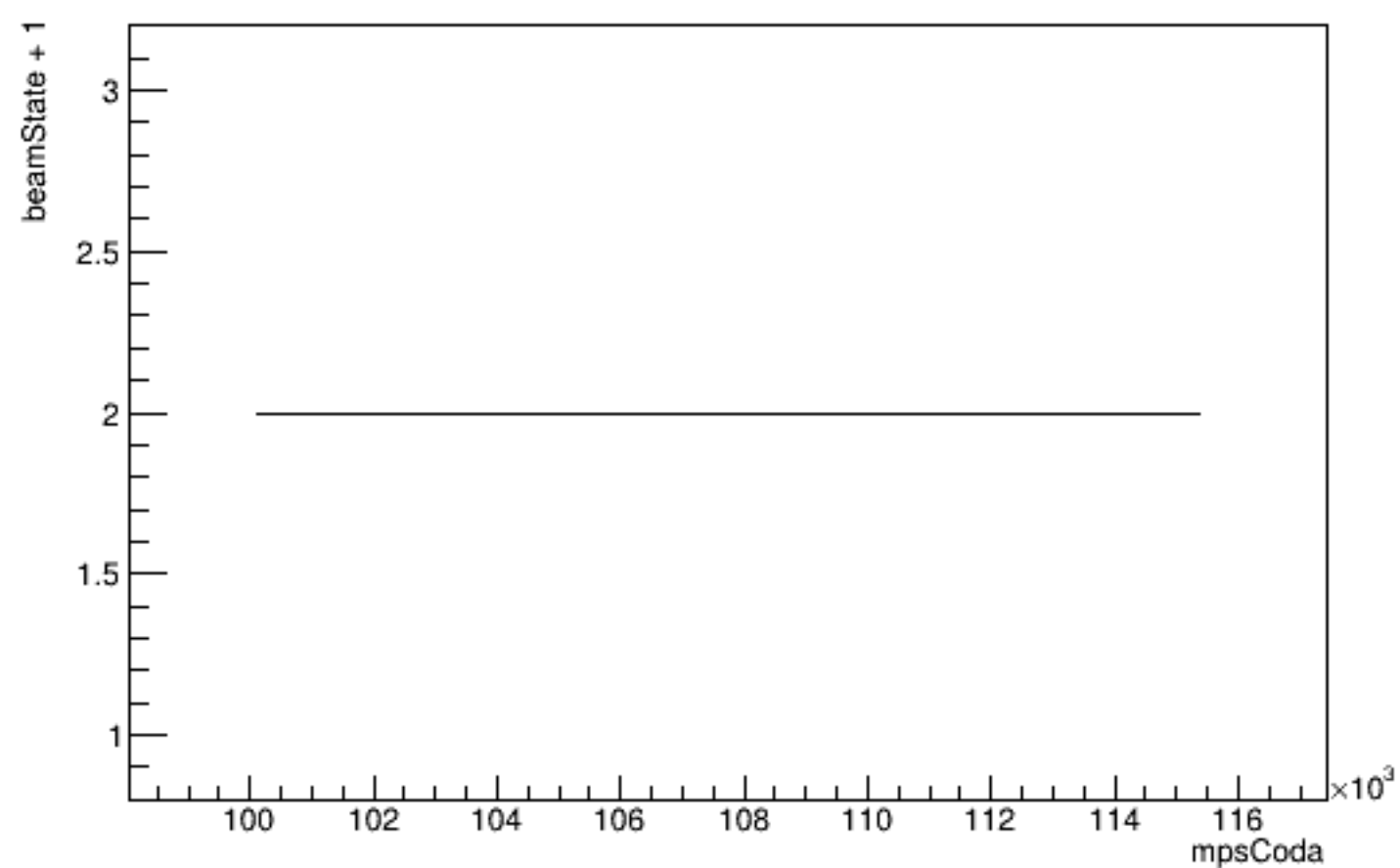
Acc0/NAcc0:mpsCoda (mpsCoda>=100107 && mpsCoda<=115370 && beamState==1)



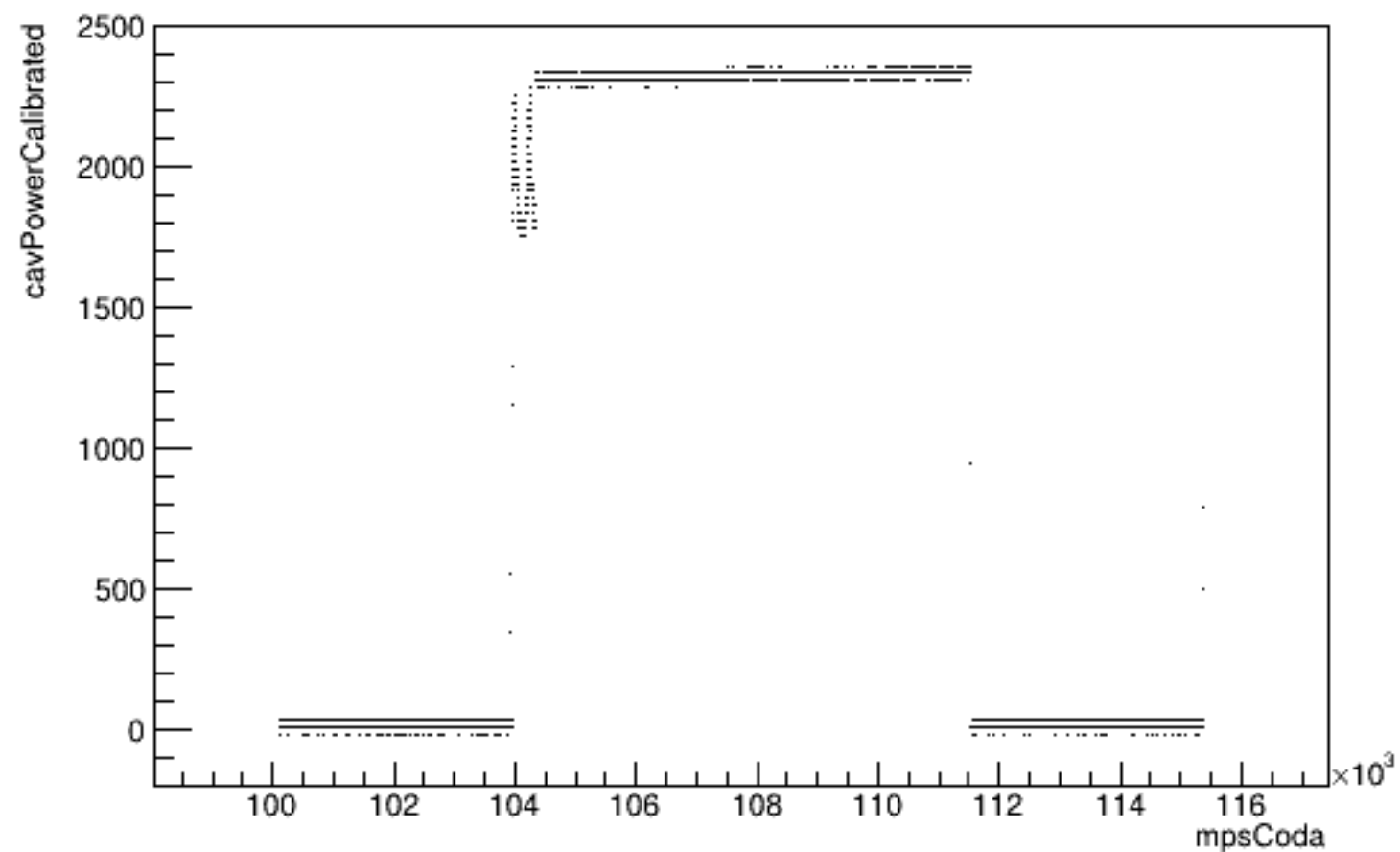
laserState:mpsCoda {mpsCoda&gt;=100107 &amp;&amp; mpsCoda&lt;=115370}



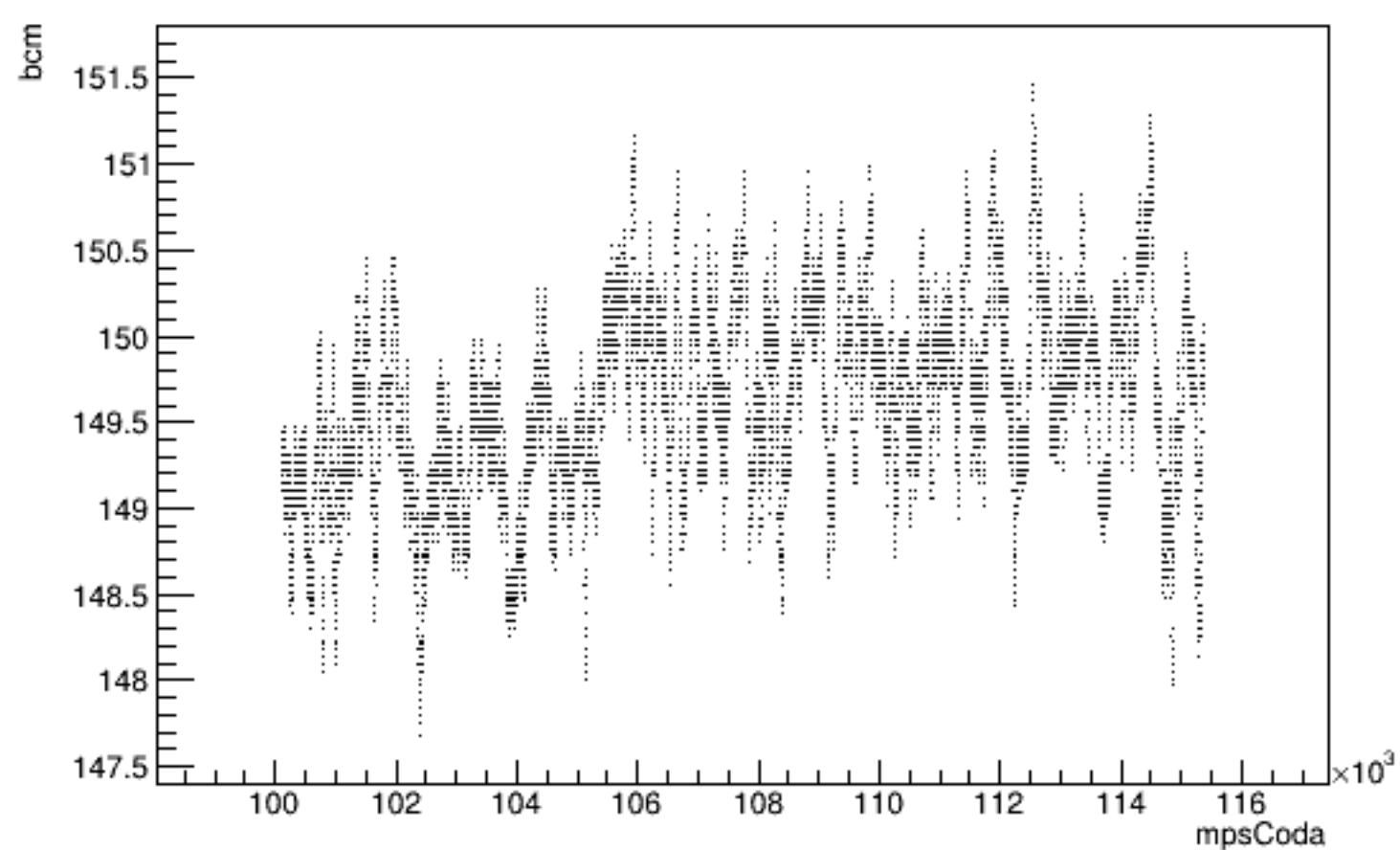
beamState + 1:mpsCoda {mpsCoda&gt;=100107 &amp;&amp; mpsCoda&lt;=115370}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=100107 &amp;&amp; mpsCoda&lt;=115370}



bcm:mpsCoda {mpsCoda&gt;=100107 &amp;&amp; mpsCoda&lt;=115370}



# Cycle 8, Diffs

**Entries: 541**

**Mean: 0.0056 +/- 0.0116**

**Std Dev: 0.2694 +/- 0.0082**

**Entries: 1883**

**Mean: 0.7336 +/- 0.0106**

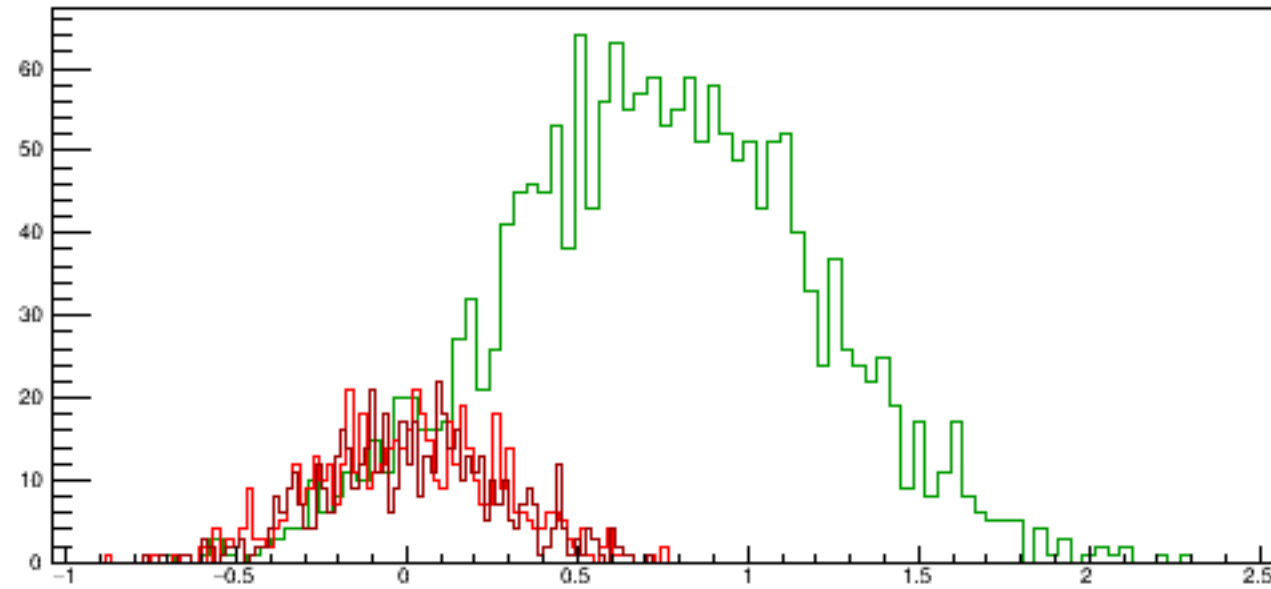
**Std Dev: 0.4596 +/- 0.0075**

**Entries: 549**

**Mean: 0.0140 +/- 0.0112**

**Std Dev: 0.2613 +/- 0.0079**

Run 5786 quartetwise, Diffs



# Cycle 8, Sums

**Entries: 541**

**Mean: 2.8003 +/- 0.0129**

**Std Dev: 0.3002 +/- 0.0091**

**Entries: 1883**

**Mean: 26.3676 +/- 0.0356**

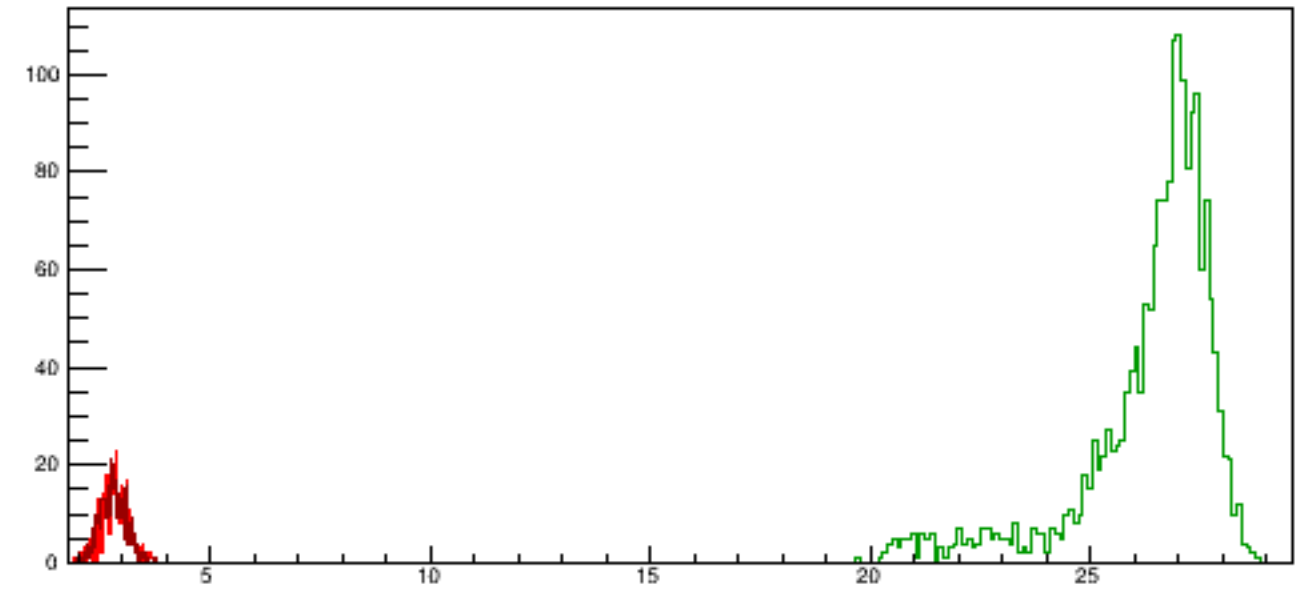
**Std Dev: 1.5460 +/- 0.0252**

**Entries: 549**

**Mean: 2.7824 +/- 0.0126**

**Std Dev: 0.2951 +/- 0.0089**

Run 5786 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=111531 && mpsCoda<=126790 && beamState==1)

# Cycle 8, Asyms

**Entries: 541**

**Mean: 0.0002 +/- 0.0005**

**Std Dev: 0.0114 +/- 0.0003**

**Entries: 1883**

**Mean: 0.0311 +/- 0.0004**

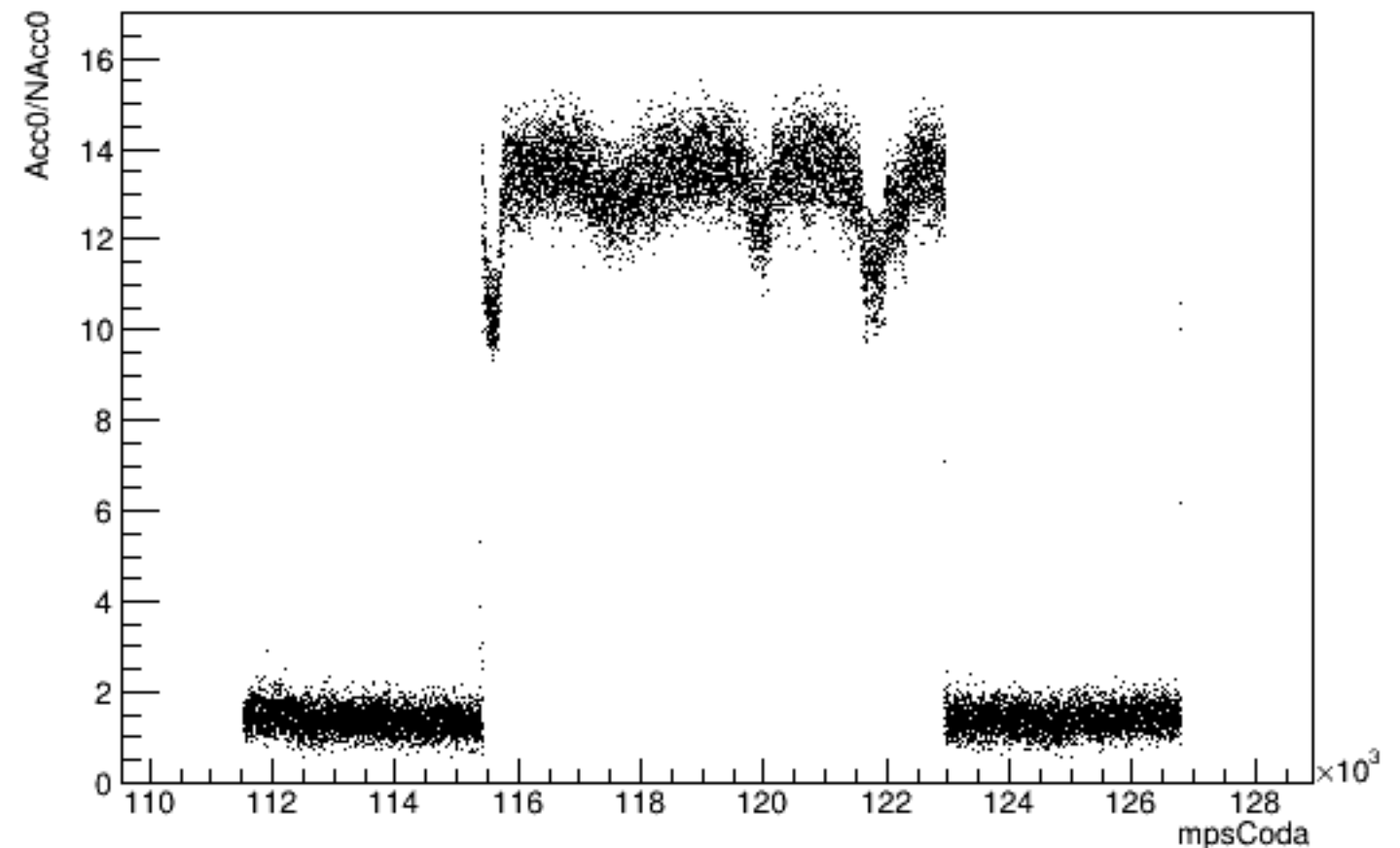
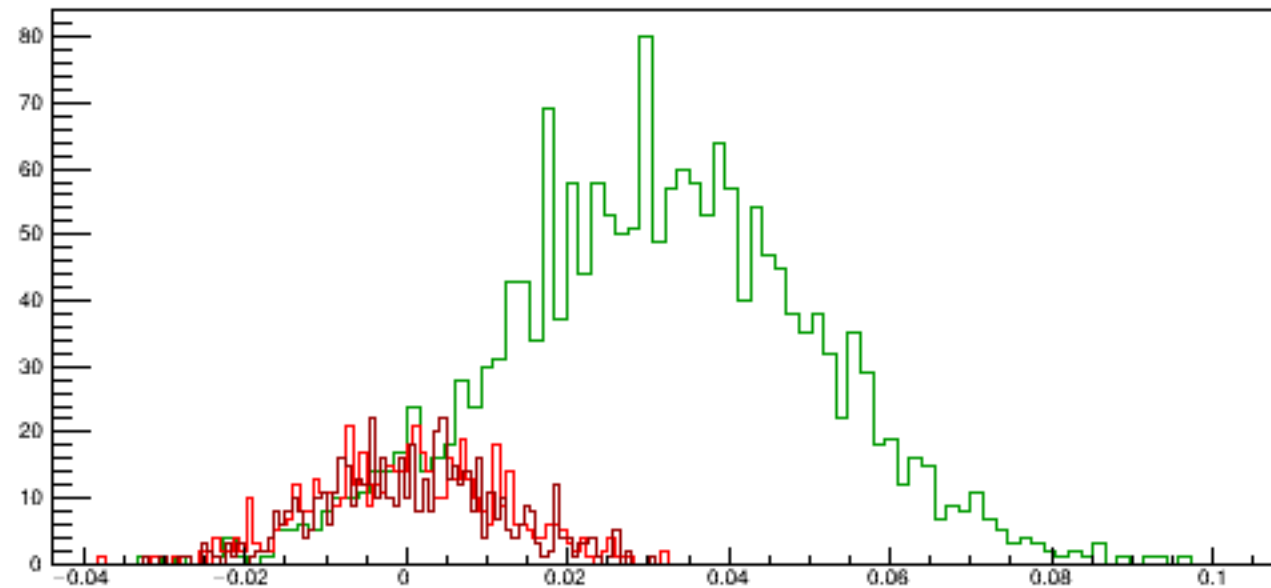
**Std Dev: 0.0195 +/- 0.0003**

**Entries: 549**

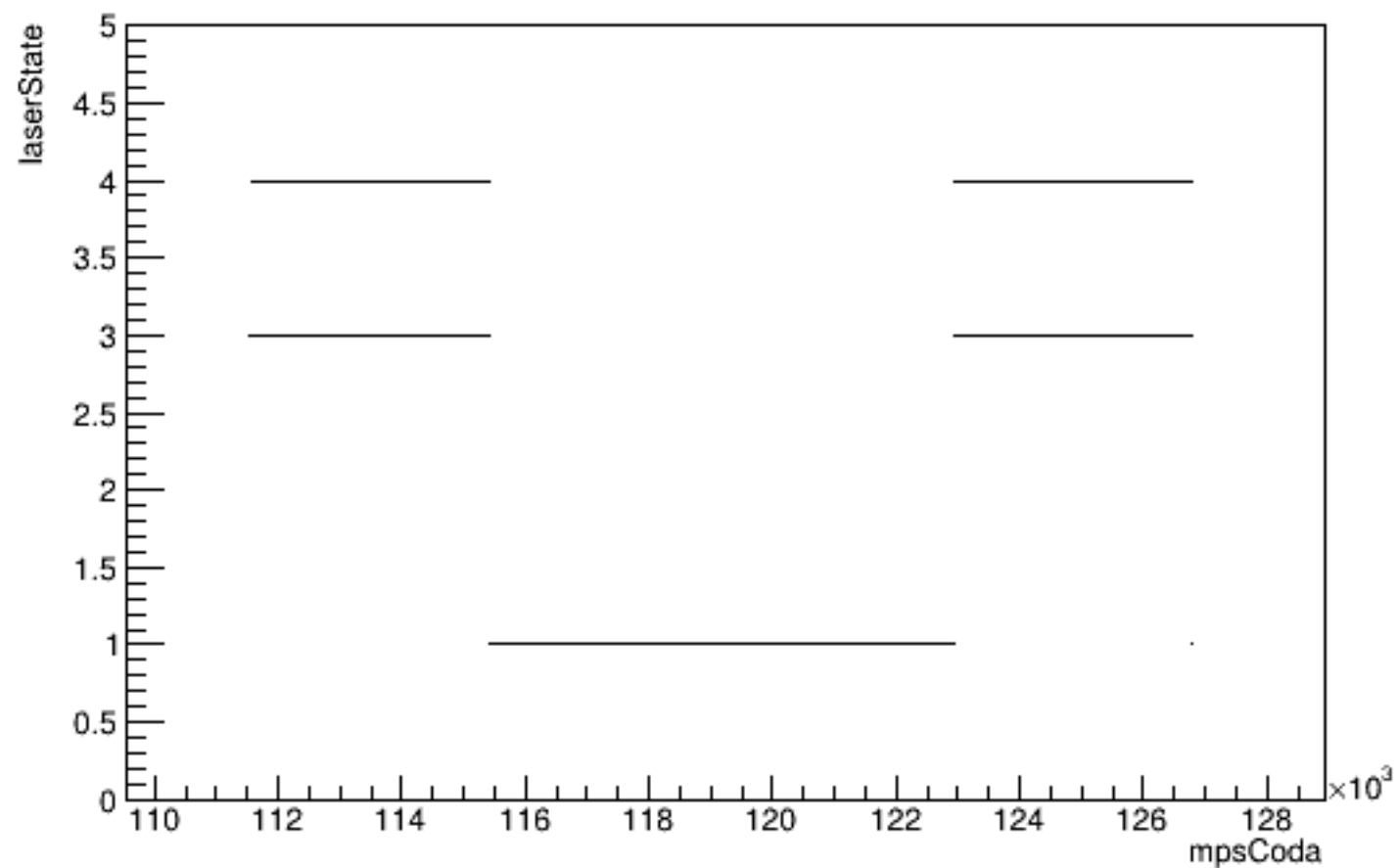
**Mean: 0.0006 +/- 0.0005**

**Std Dev: 0.0111 +/- 0.0003**

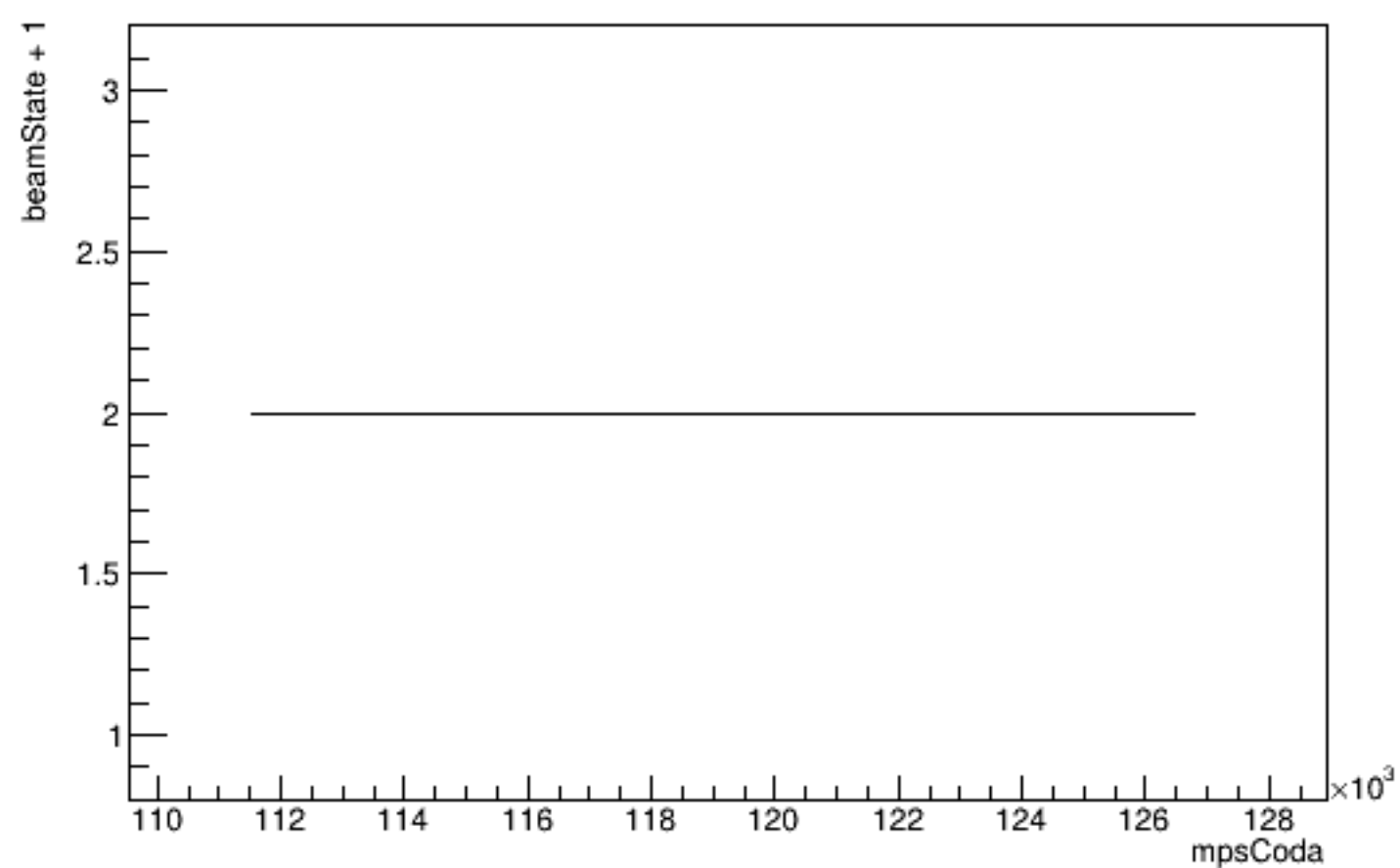
Run 5786 quartetwise, Asyms



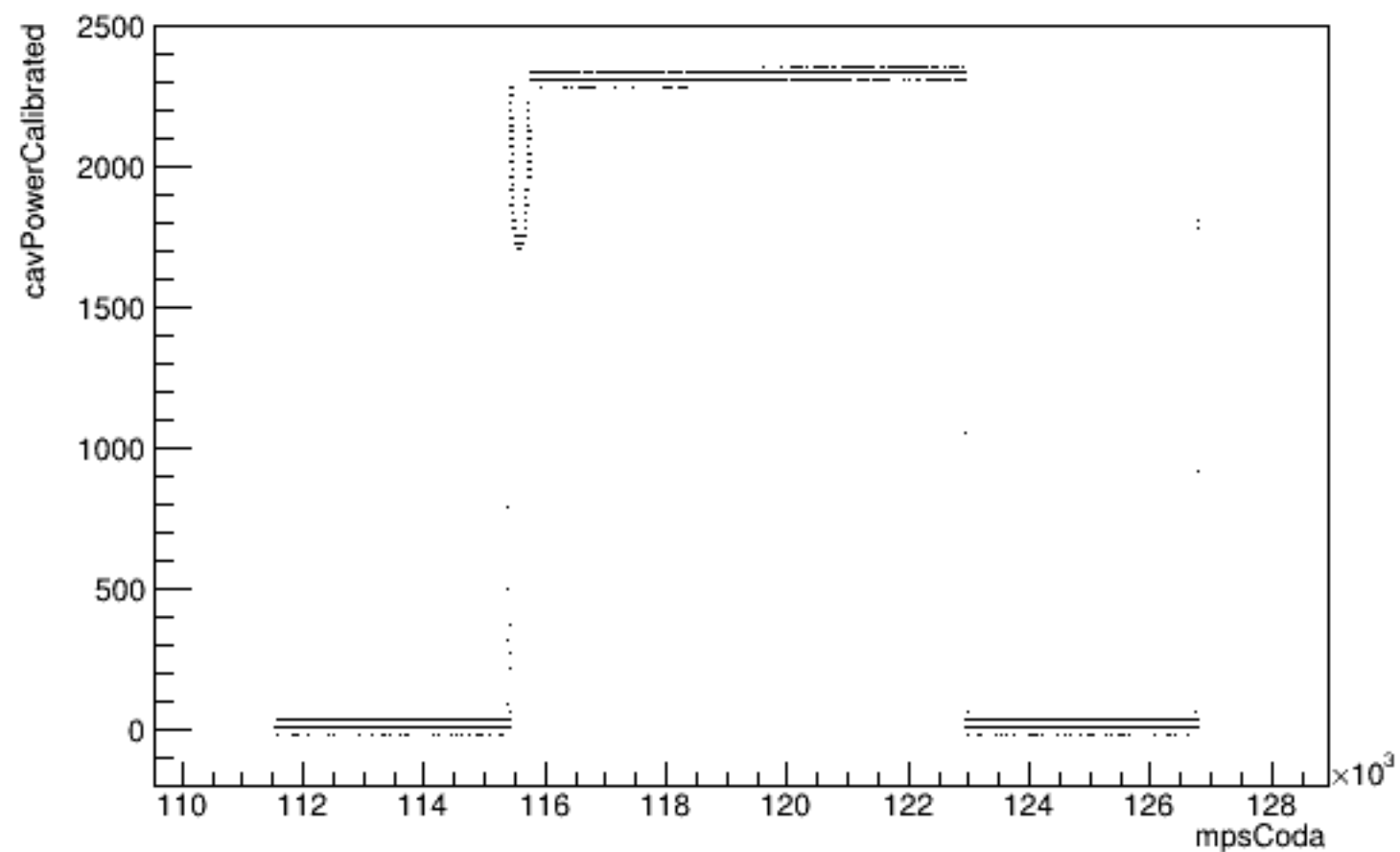
laserState:mpsCoda {mpsCoda&gt;=111531 &amp;&amp; mpsCoda&lt;=126790}



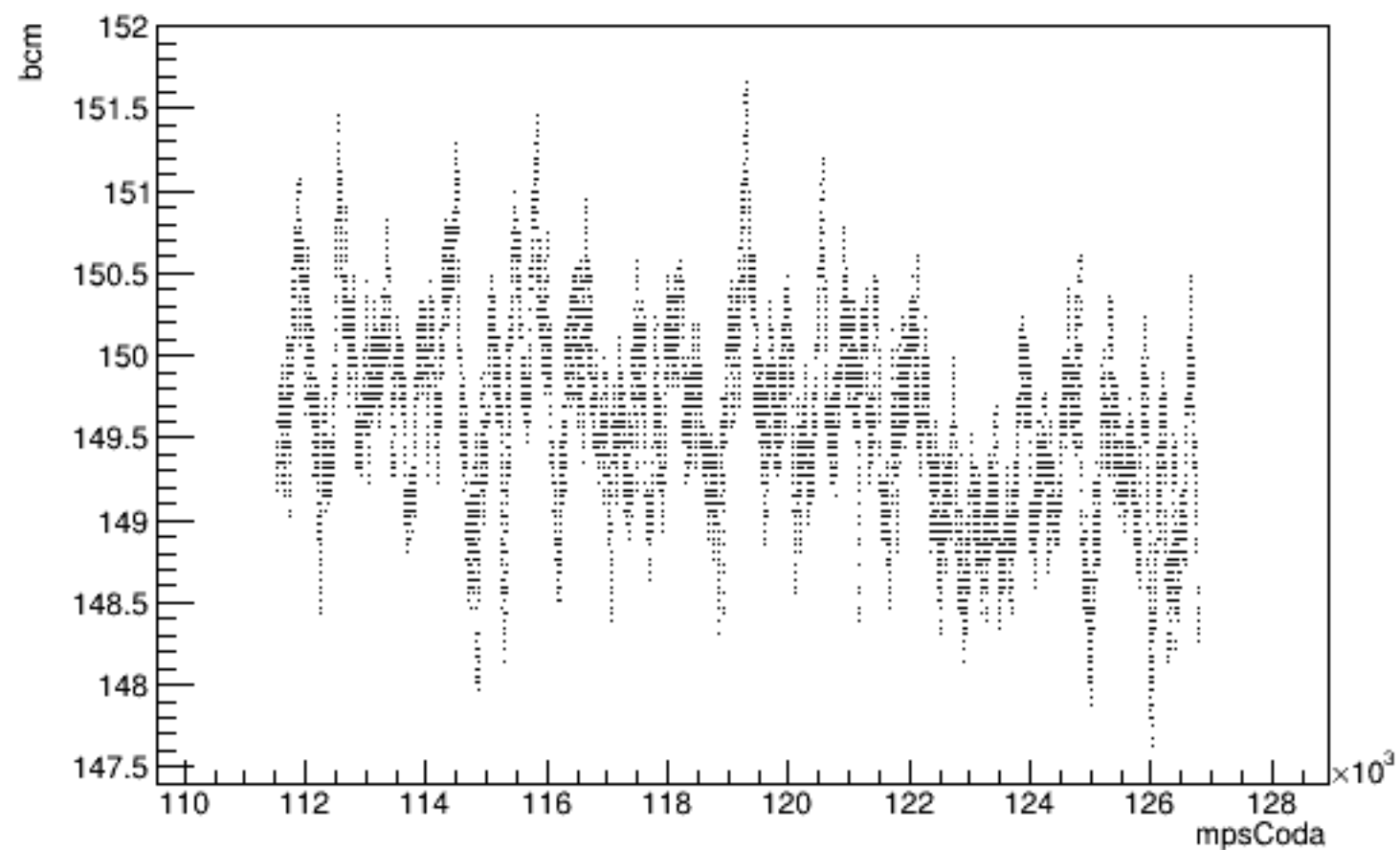
beamState + 1:mpsCoda {mpsCoda&gt;=111531 &amp;&amp; mpsCoda&lt;=126790}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=111531 &amp;&amp; mpsCoda&lt;=126790}



bcm:mpsCoda {mpsCoda&gt;=111531 &amp;&amp; mpsCoda&lt;=126790}

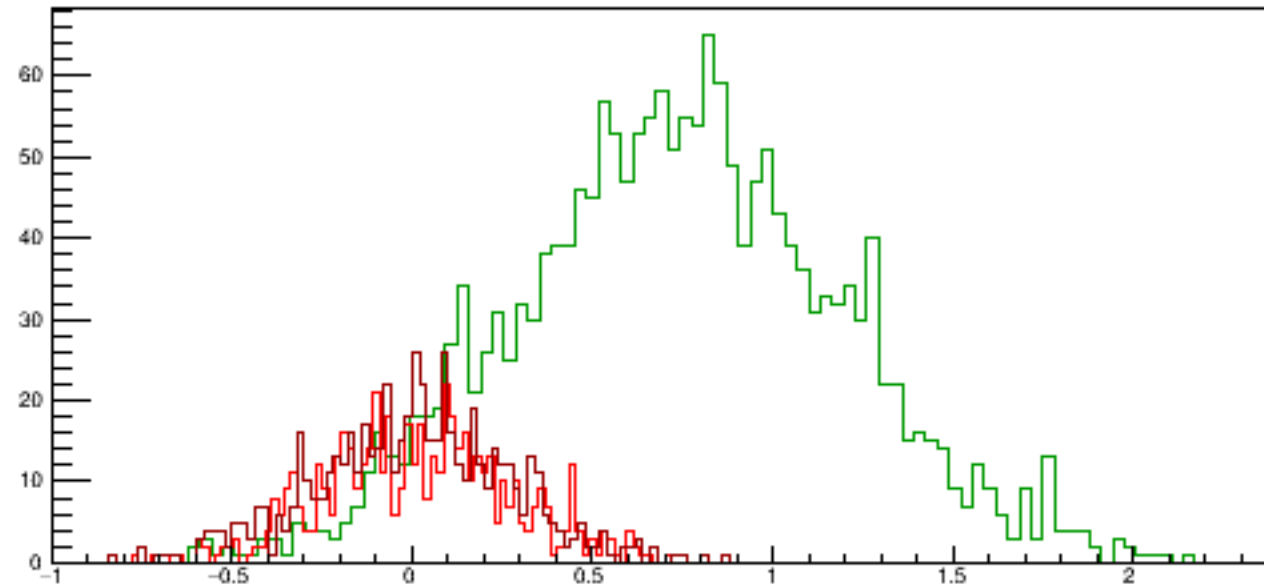




# Cycle 9, Diffs

<b>Entries: 549</b>	<b>Entries: 1894</b>	<b>Entries: 590</b>
<b>Mean: 0.0140 +/- 0.0112</b>	<b>Mean: 0.7344 +/- 0.0105</b>	<b>Mean: -0.0021 +/- 0.0113</b>
<b>Std Dev: 0.2613 +/- 0.0079</b>	<b>Std Dev: 0.4565 +/- 0.0074</b>	<b>Std Dev: 0.2751 +/- 0.0080</b>

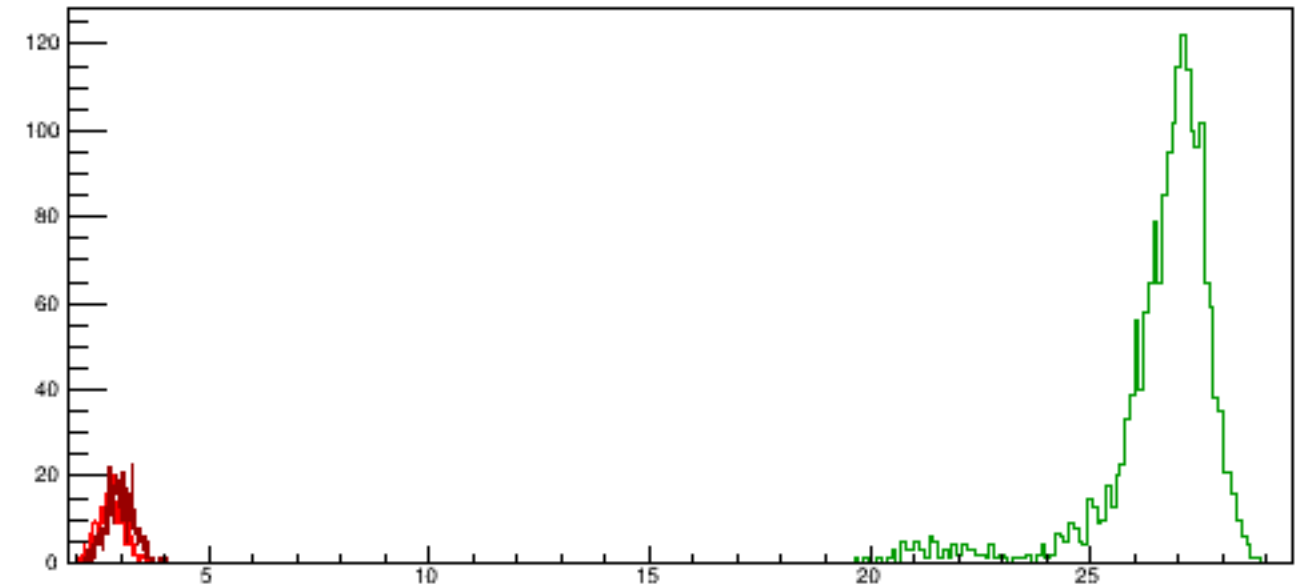
Run 5786 quartetwise, Diffs



# Cycle 9, Sums

<b>Entries: 549</b>	<b>Entries: 1894</b>	<b>Entries: 590</b>
<b>Mean: 2.7824 +/- 0.0126</b>	<b>Mean: 26.6337 +/- 0.0299</b>	<b>Mean: 2.9842 +/- 0.0126</b>
<b>Std Dev: 0.2951 +/- 0.0089</b>	<b>Std Dev: 1.3002 +/- 0.0211</b>	<b>Std Dev: 0.3058 +/- 0.0089</b>

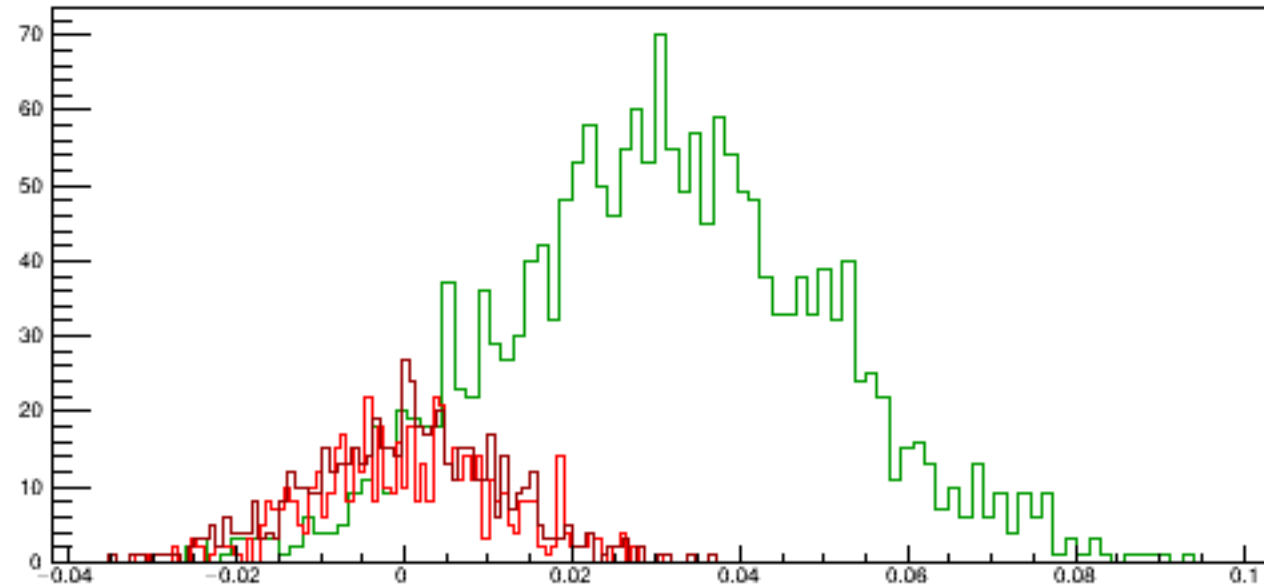
Run 5786 quartetwise, Sums



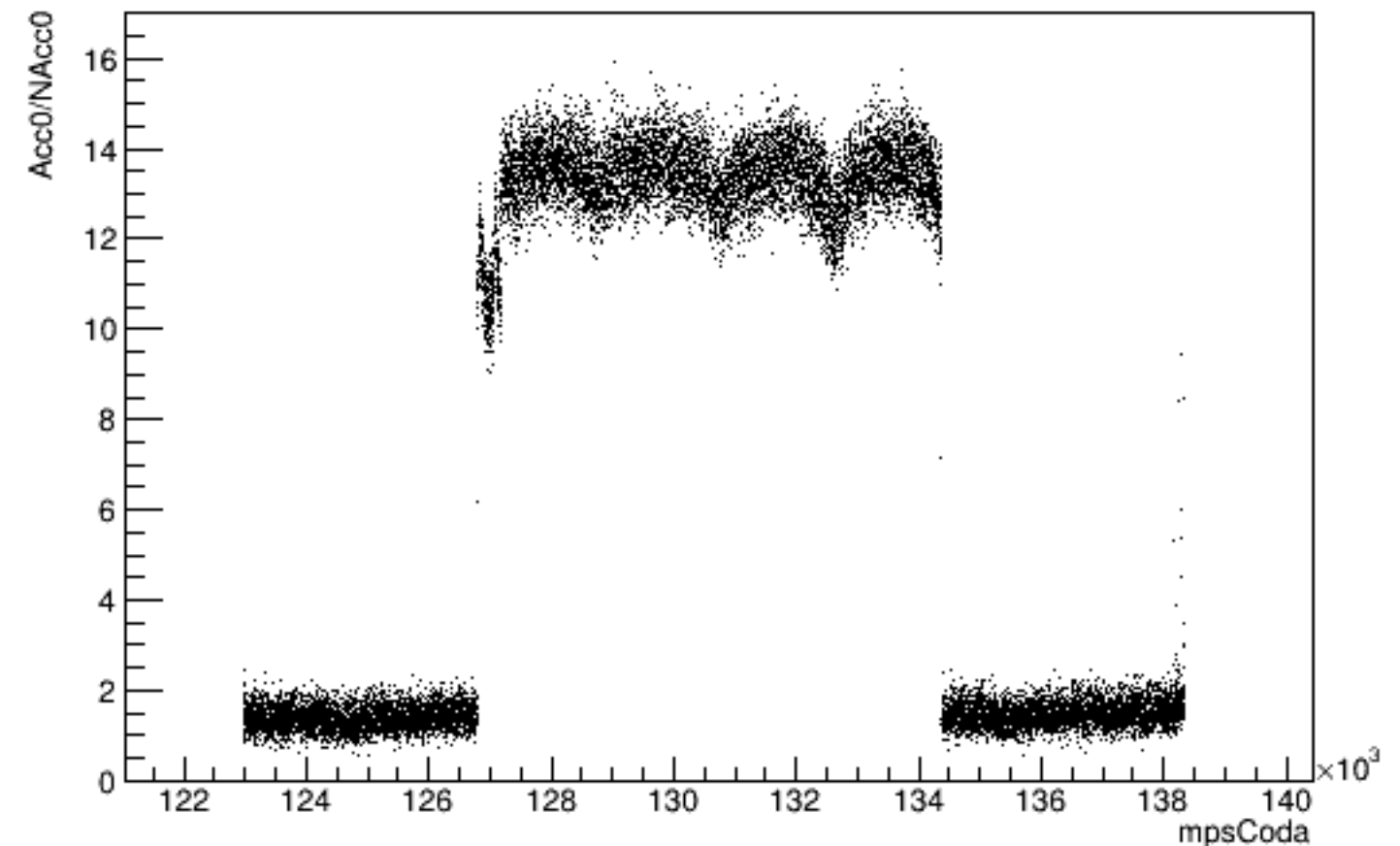
# Cycle 9, Asyms

<b>Entries: 549</b>	<b>Entries: 1894</b>	<b>Entries: 590</b>
<b>Mean: 0.0006 +/- 0.0005</b>	<b>Mean: 0.0310 +/- 0.0004</b>	<b>Mean: -0.0001 +/- 0.0005</b>
<b>Std Dev: 0.0110 +/- 0.0003</b>	<b>Std Dev: 0.0193 +/- 0.0003</b>	<b>Std Dev: 0.0116 +/- 0.0003</b>

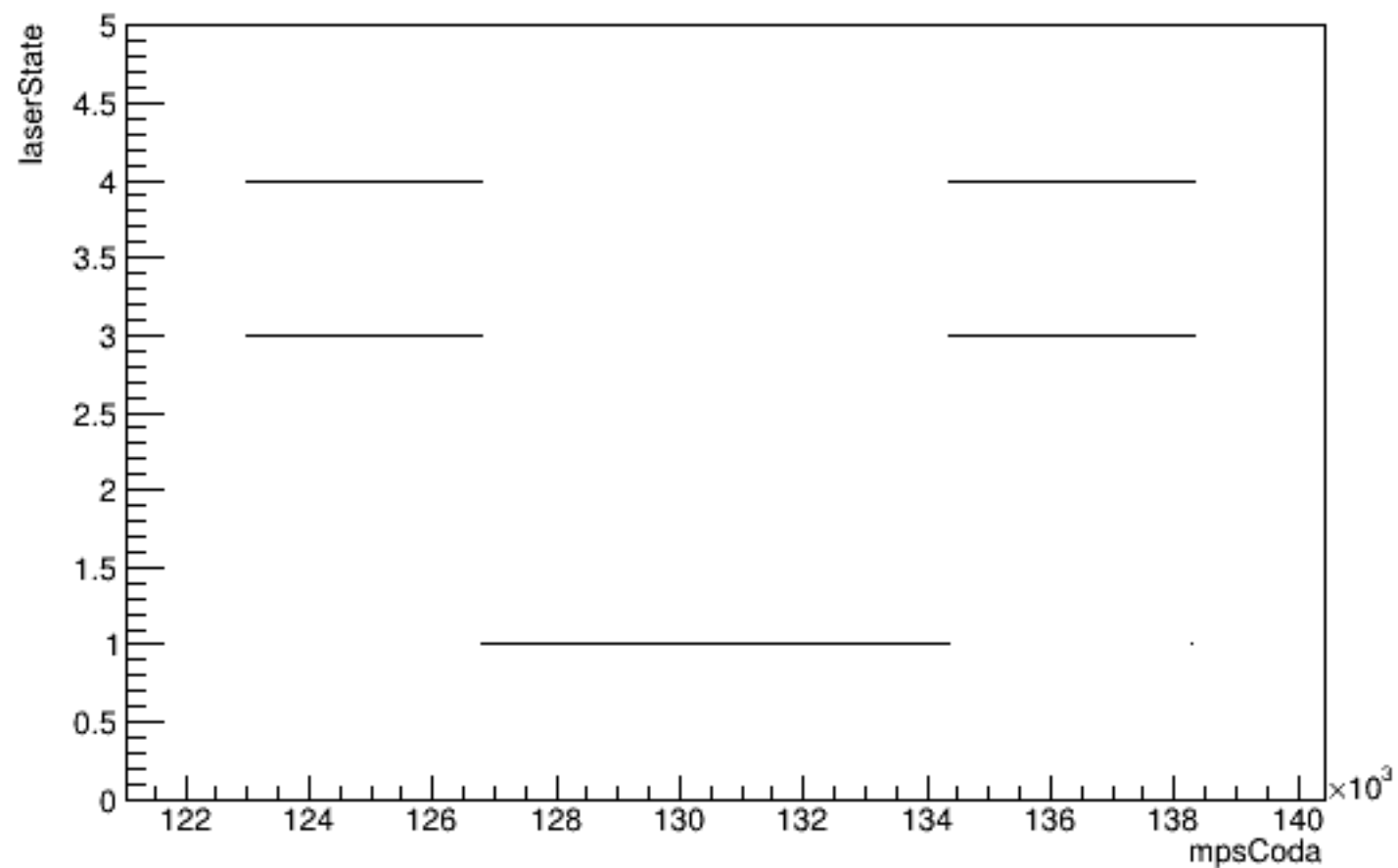
Run 5786 quartetwise, Asyms



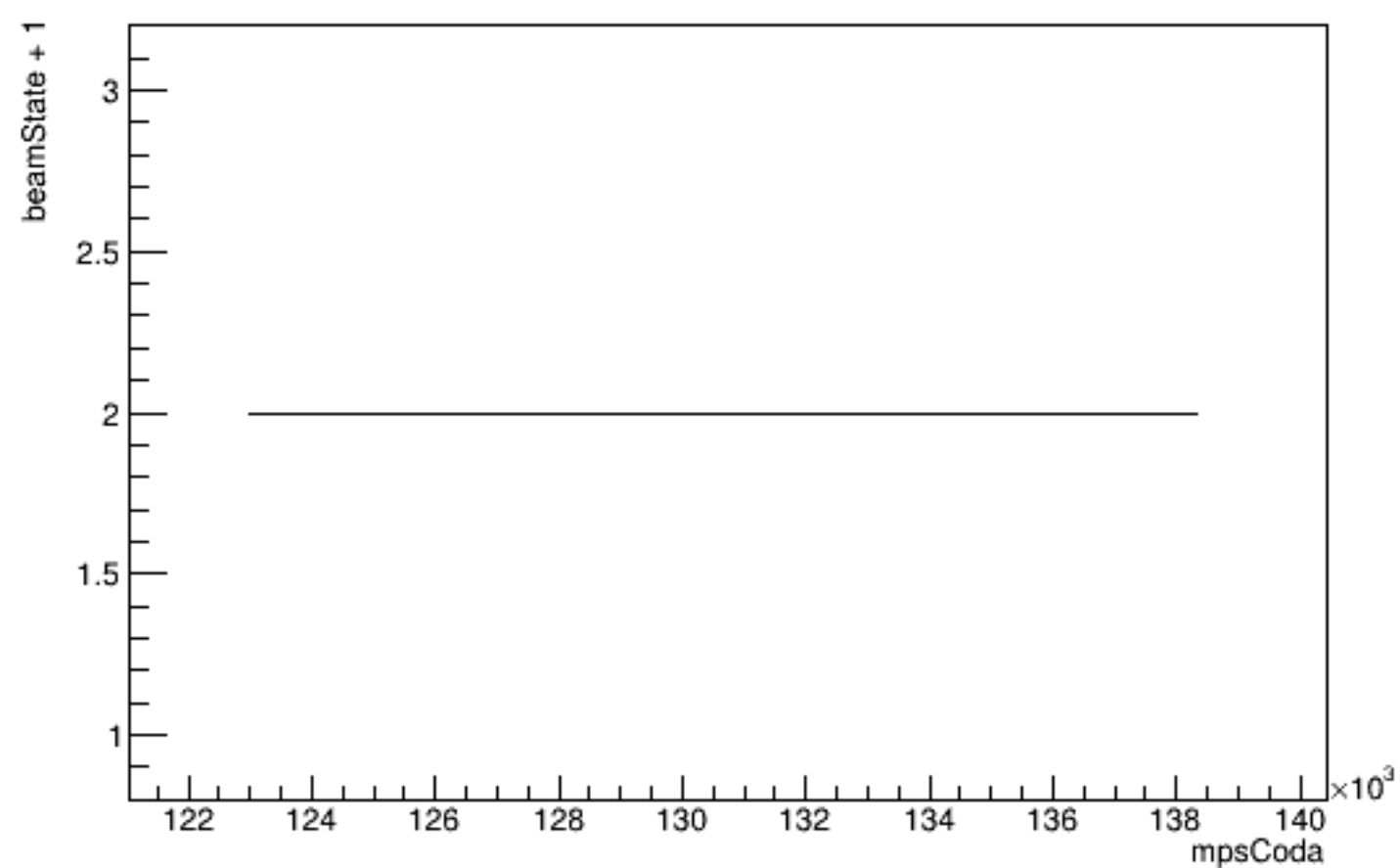
Acc0/NAcc0:mpsCoda (mpsCoda>=122967 && mpsCoda<=138338 && beamState==1)



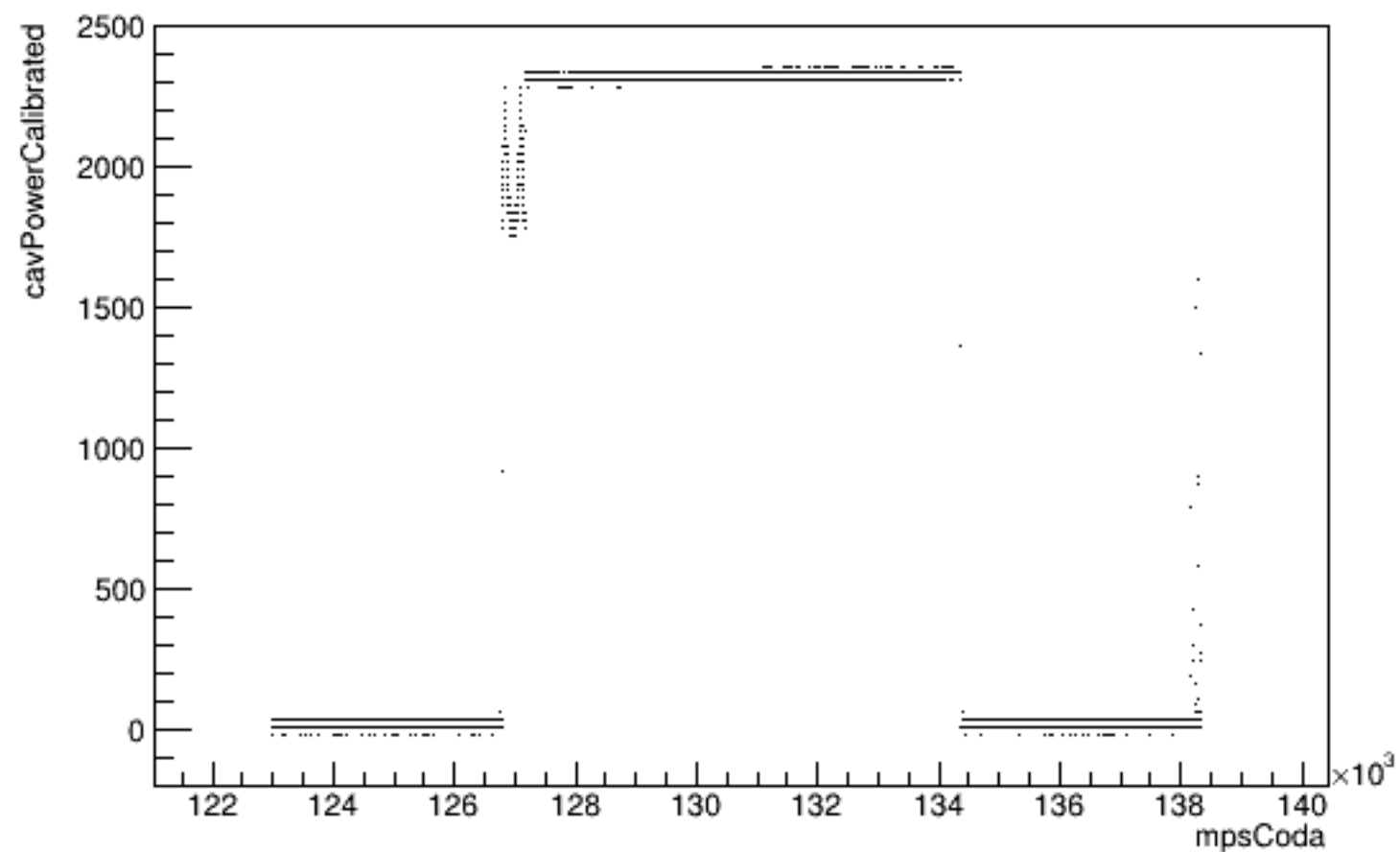
laserState:mpsCoda {mpsCoda&gt;=122967 &amp;&amp; mpsCoda&lt;=138338}



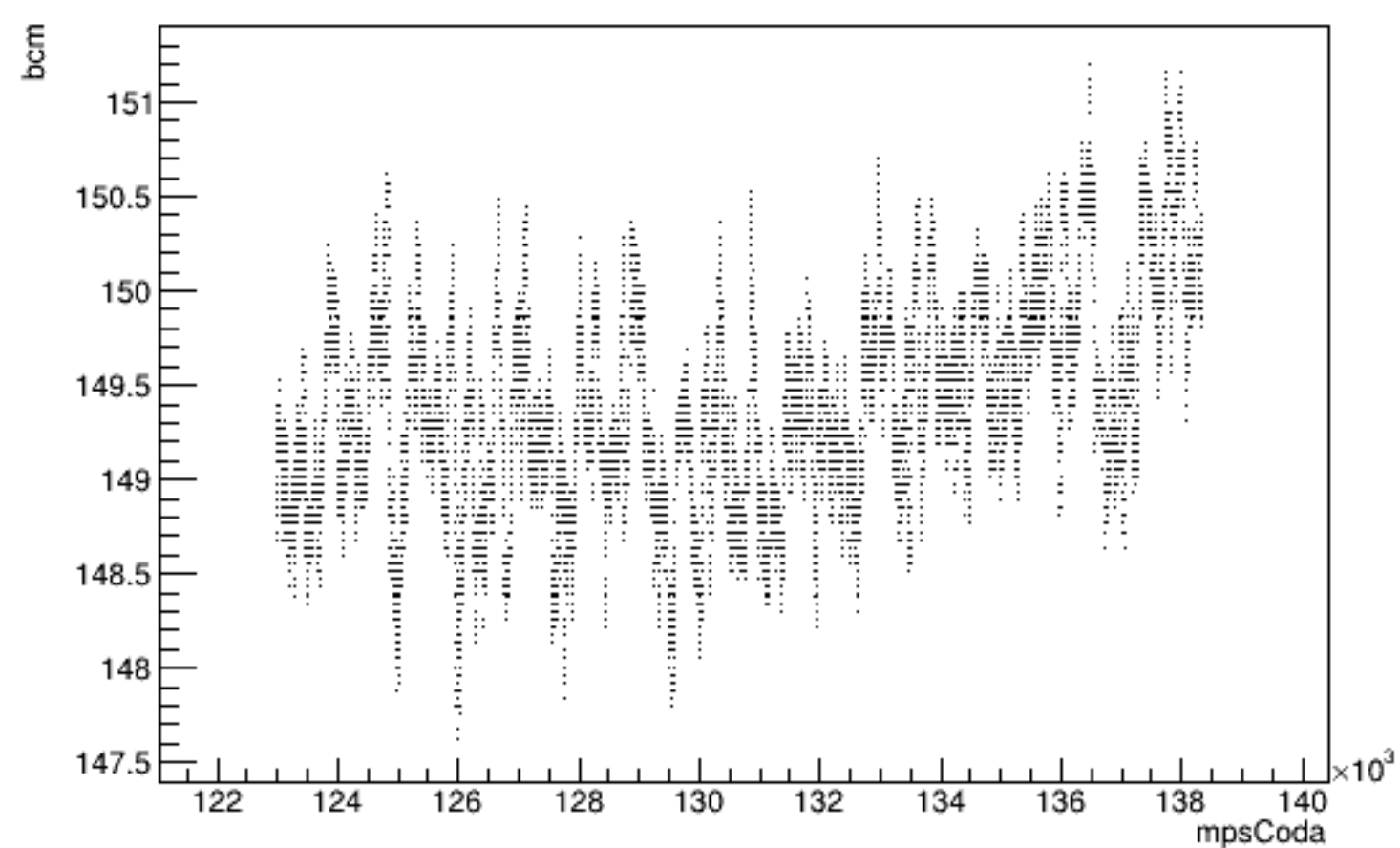
beamState + 1:mpsCoda {mpsCoda&gt;=122967 &amp;&amp; mpsCoda&lt;=138338}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=122967 &amp;&amp; mpsCoda&lt;=138338}



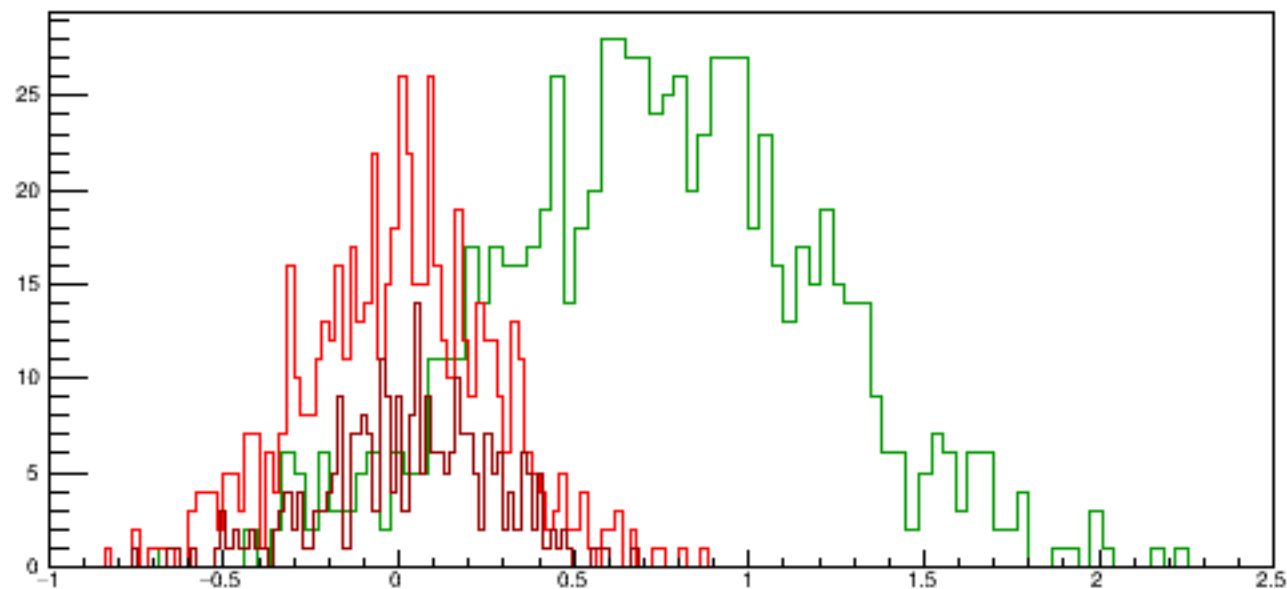
bcm:mpsCoda {mpsCoda&gt;=122967 &amp;&amp; mpsCoda&lt;=138338}



# Cycle 10, Diffs

<b>Entries: 590</b>	<b>Entries: 831</b>	<b>Entries: 272</b>
<b>Mean: -0.0021 +/- 0.0113</b>	<b>Mean: 0.7440 +/- 0.0161</b>	<b>Mean: 0.0302 +/- 0.0149</b>
<b>Std Dev: 0.2751 +/- 0.0080</b>	<b>Std Dev: 0.4633 +/- 0.0114</b>	<b>Std Dev: 0.2460 +/- 0.0105</b>

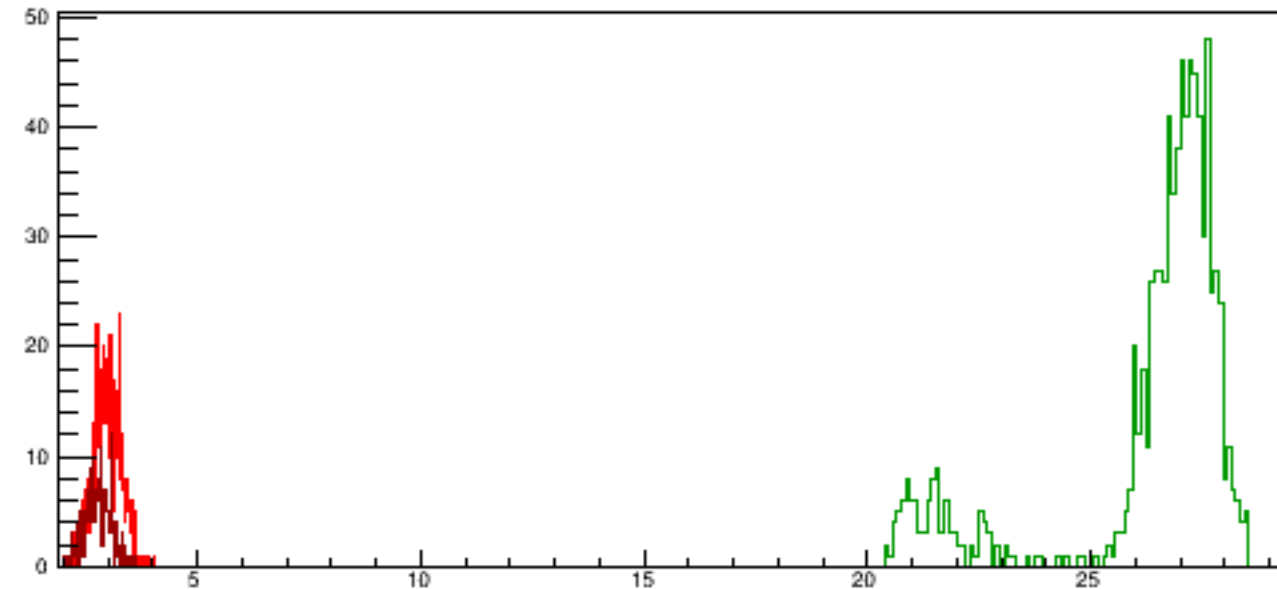
Run 5786 quartetwise, Diffs



# Cycle 10, Sums

<b>Entries: 590</b>	<b>Entries: 831</b>	<b>Entries: 272</b>
<b>Mean: 2.9842 +/- 0.0126</b>	<b>Mean: 26.3420 +/- 0.0680</b>	<b>Mean: 2.7697 +/- 0.0174</b>
<b>Std Dev: 0.3058 +/- 0.0089</b>	<b>Std Dev: 1.9610 +/- 0.0481</b>	<b>Std Dev: 0.2871 +/- 0.0123</b>

Run 5786 quartetwise, Sums

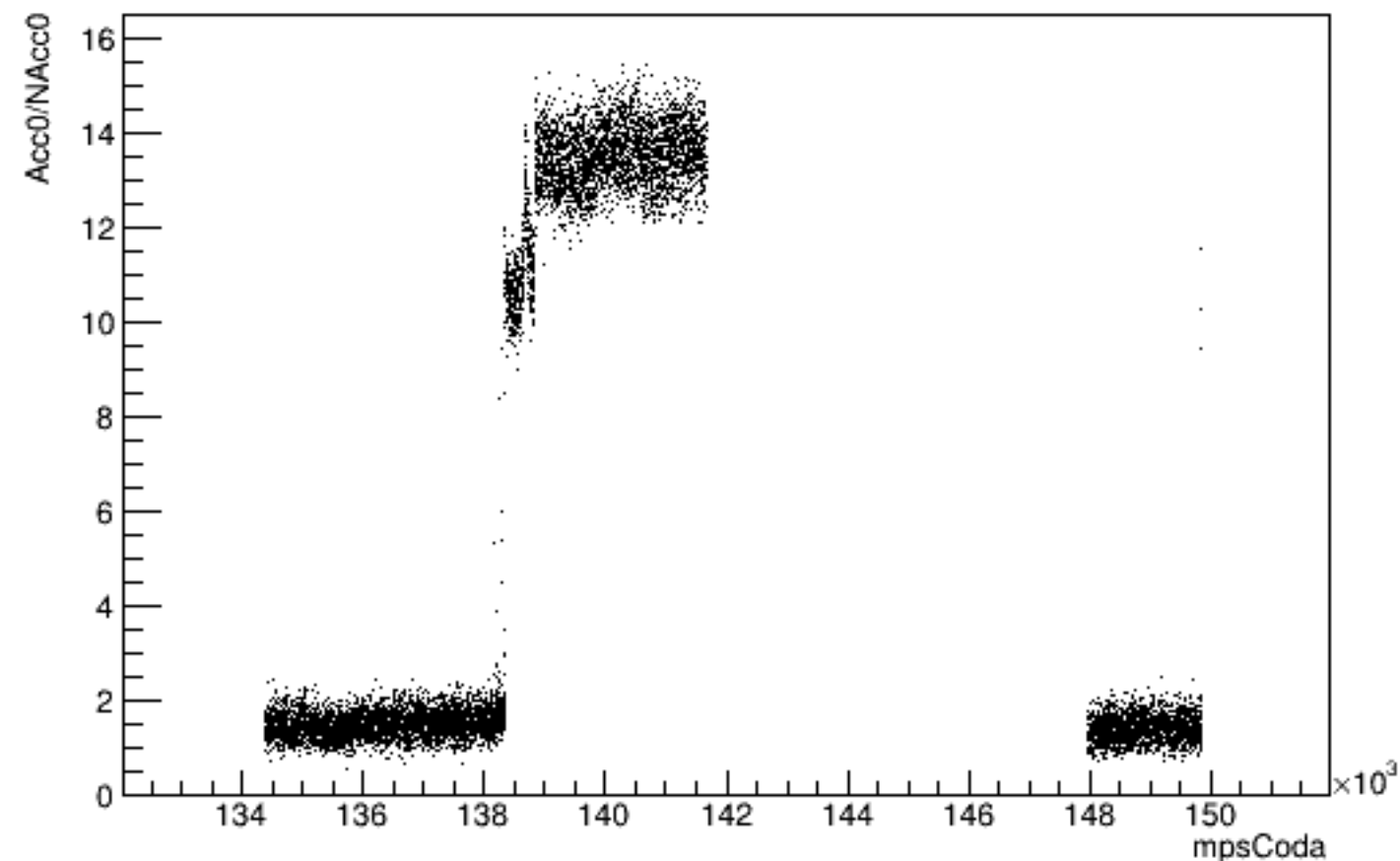
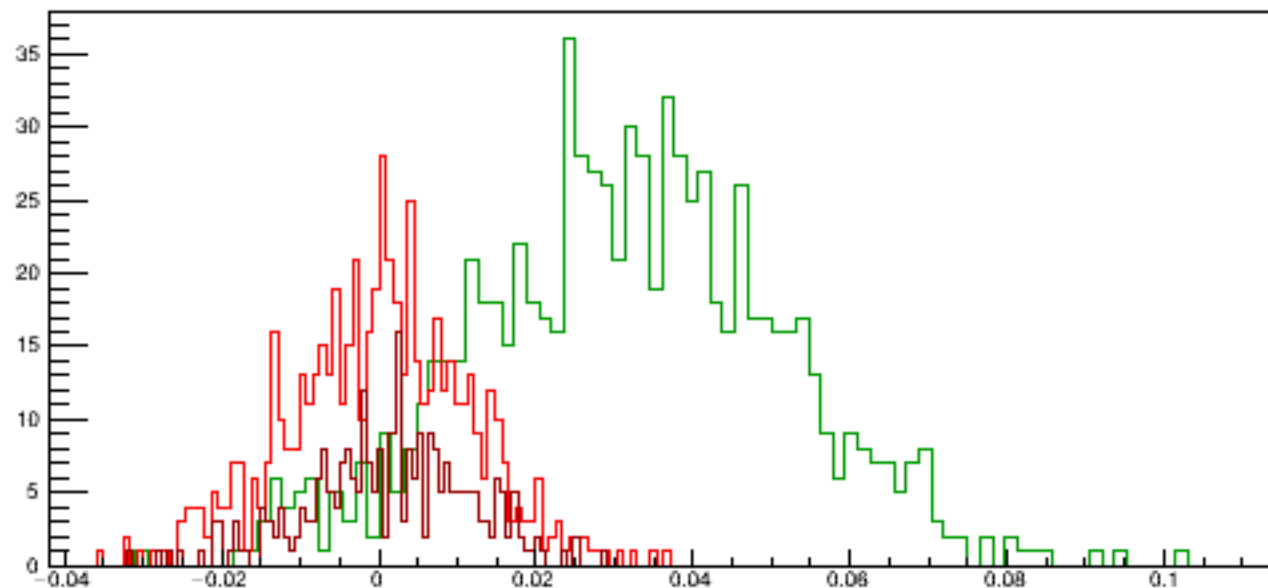


Acc0/NAcc0:mpsCoda (mpsCoda>=134371 && mpsCoda<=149862 && beamState==1)

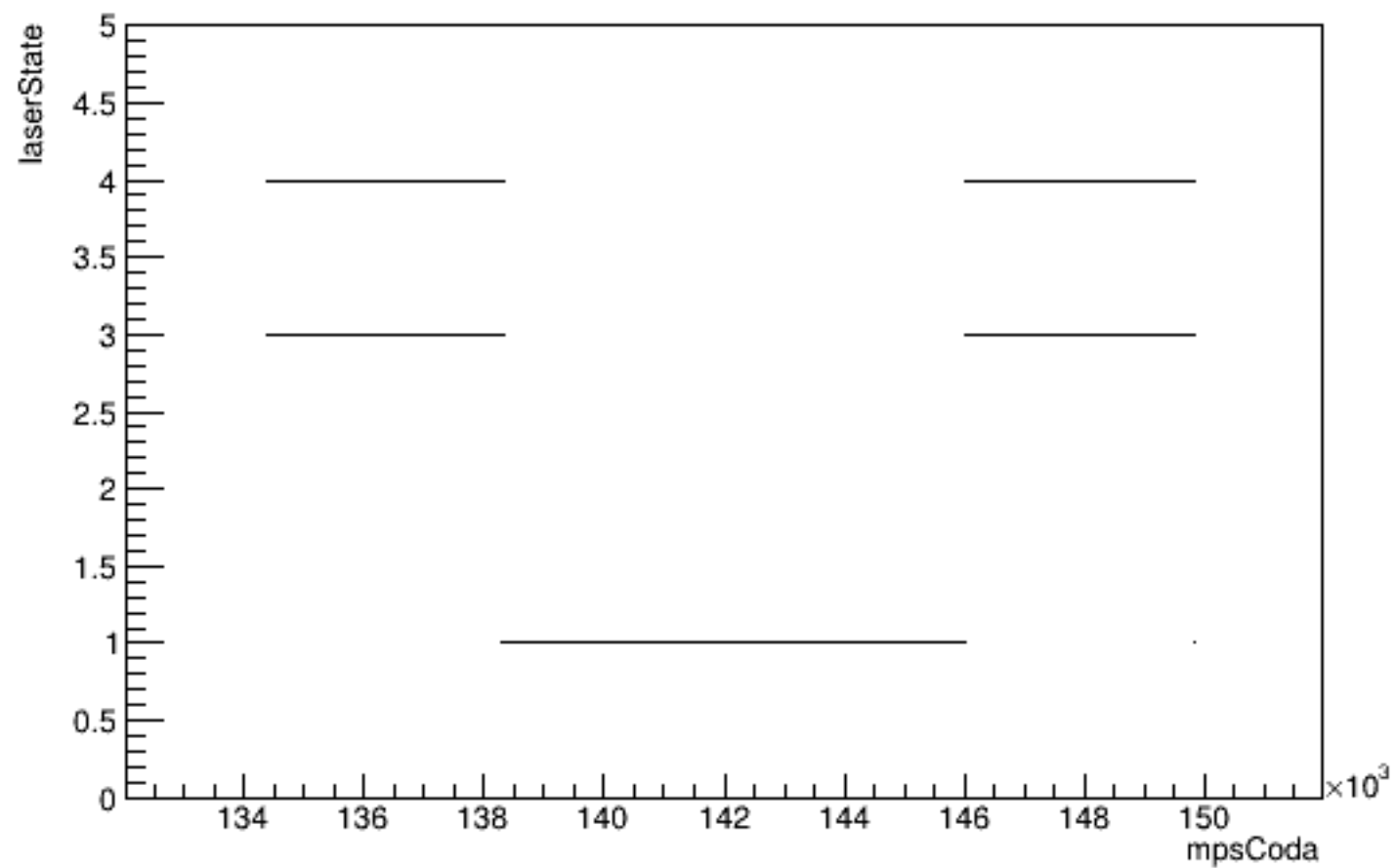
# Cycle 10, Asyms

<b>Entries: 590</b>	<b>Entries: 831</b>	<b>Entries: 272</b>
<b>Mean: -0.0001 +/- 0.0005</b>	<b>Mean: 0.0317 +/- 0.0007</b>	<b>Mean: 0.0013 +/- 0.0006</b>
<b>Std Dev: 0.0117 +/- 0.0003</b>	<b>Std Dev: 0.0197 +/- 0.0005</b>	<b>Std Dev: 0.0105 +/- 0.0004</b>

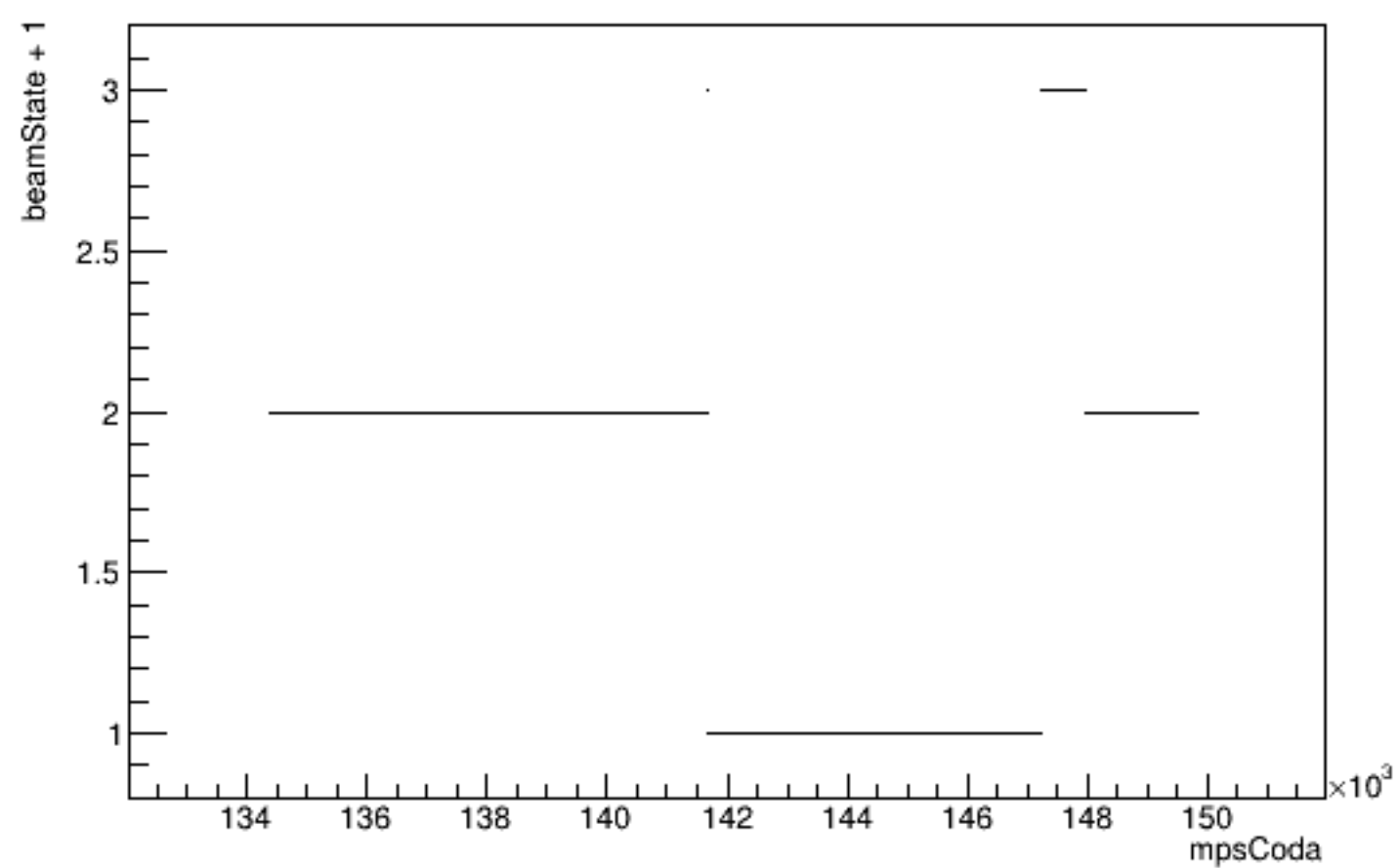
Run 5786 quartetwise, Asyms



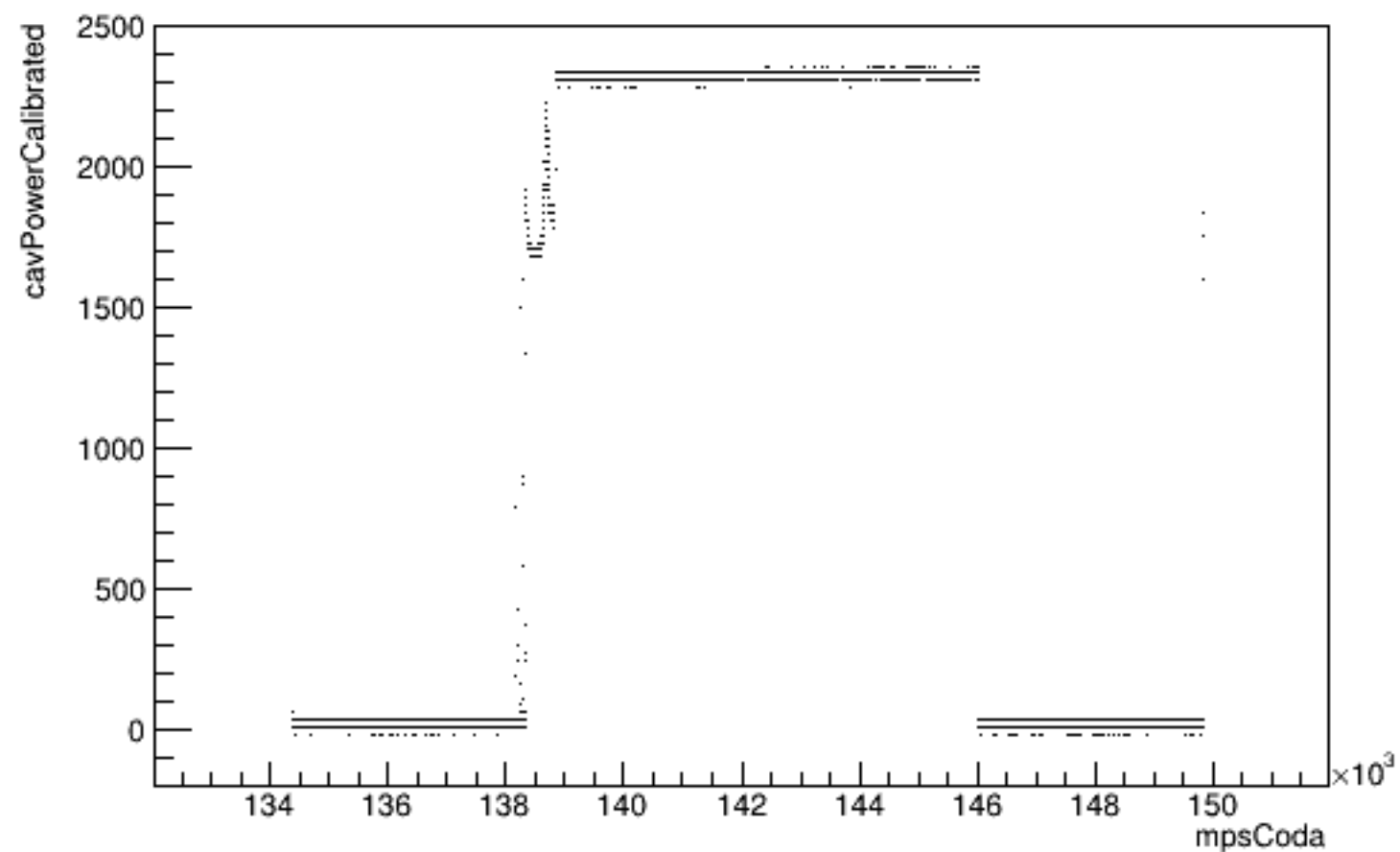
laserState:mpsCoda {mpsCoda&gt;=134371 &amp;&amp; mpsCoda&lt;=149862}



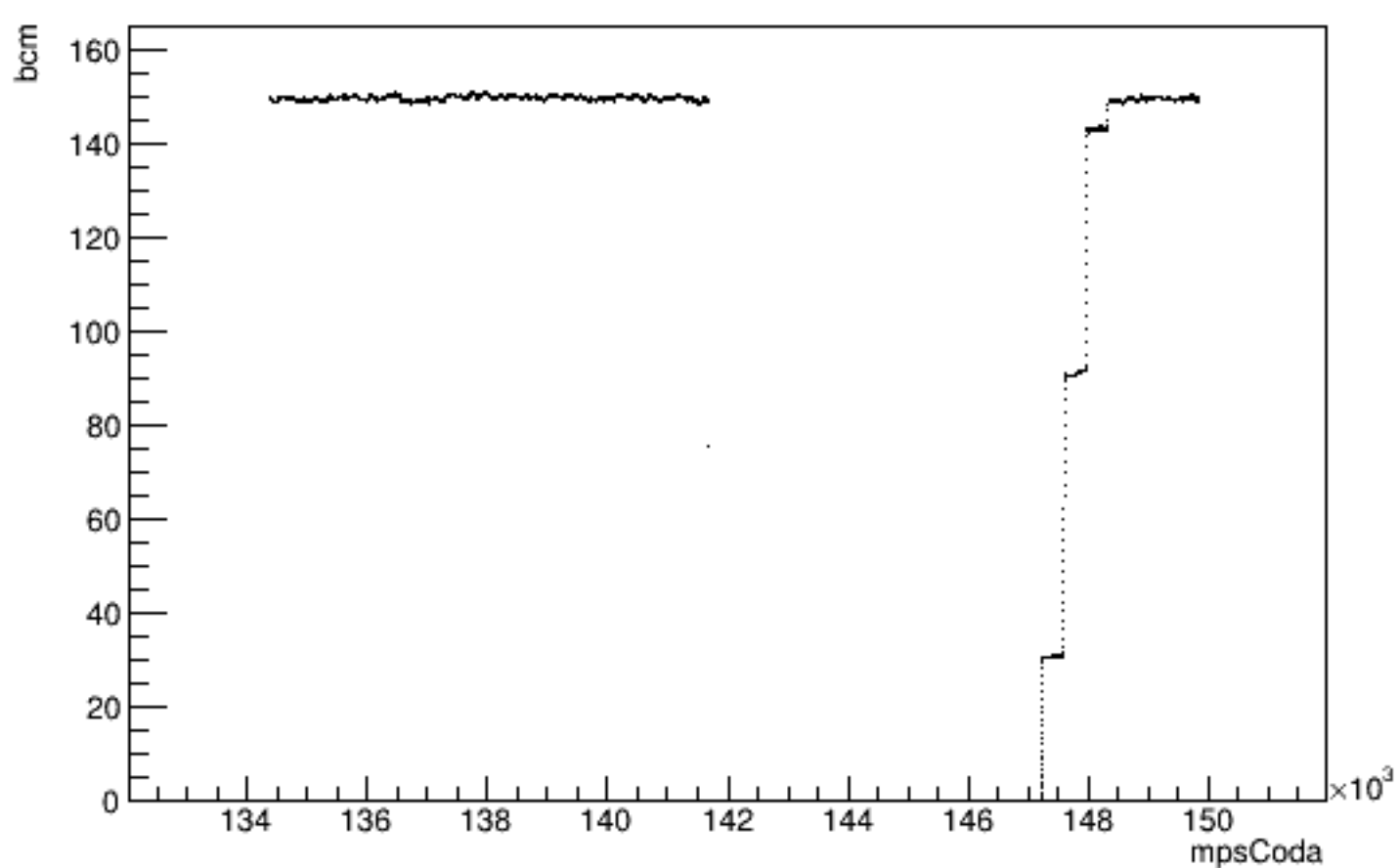
beamState + 1:mpsCoda {mpsCoda&gt;=134371 &amp;&amp; mpsCoda&lt;=149862}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=134371 &amp;&amp; mpsCoda&lt;=149862}



bcm:mpsCoda {mpsCoda&gt;=134371 &amp;&amp; mpsCoda&lt;=149862}



## Cycle 11, Diffs

Entries: 272

Mean: 0.0302 +/- 0.0149

Std Dev: 0.2460 +/- 0.0105

Entries: 1898

Mean: 0.7260 +/- 0.0107

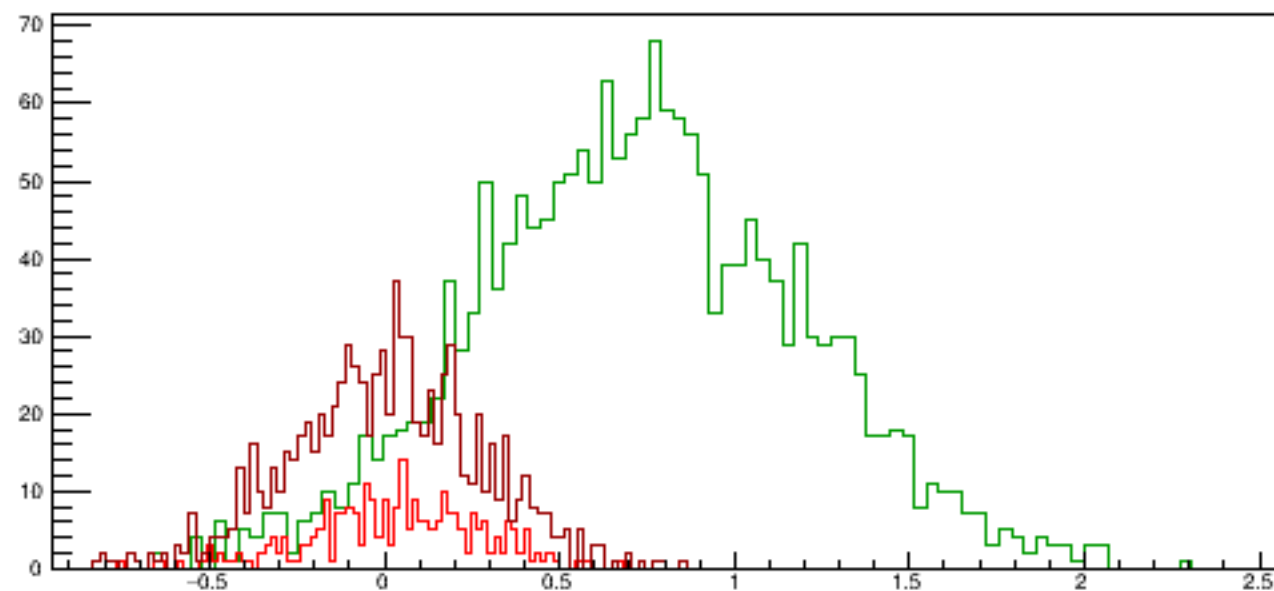
Std Dev: 0.4660 +/- 0.0076

Entries: 874

Mean: 0.0027 +/- 0.0091

Std Dev: 0.2697 +/- 0.0064

Run 5786 quartetwise, Diffs



## Cycle 11, Sums

Entries: 272

Mean: 2.7697 +/- 0.0174

Std Dev: 0.2871 +/- 0.0123

Entries: 1898

Mean: 26.5562 +/- 0.0327

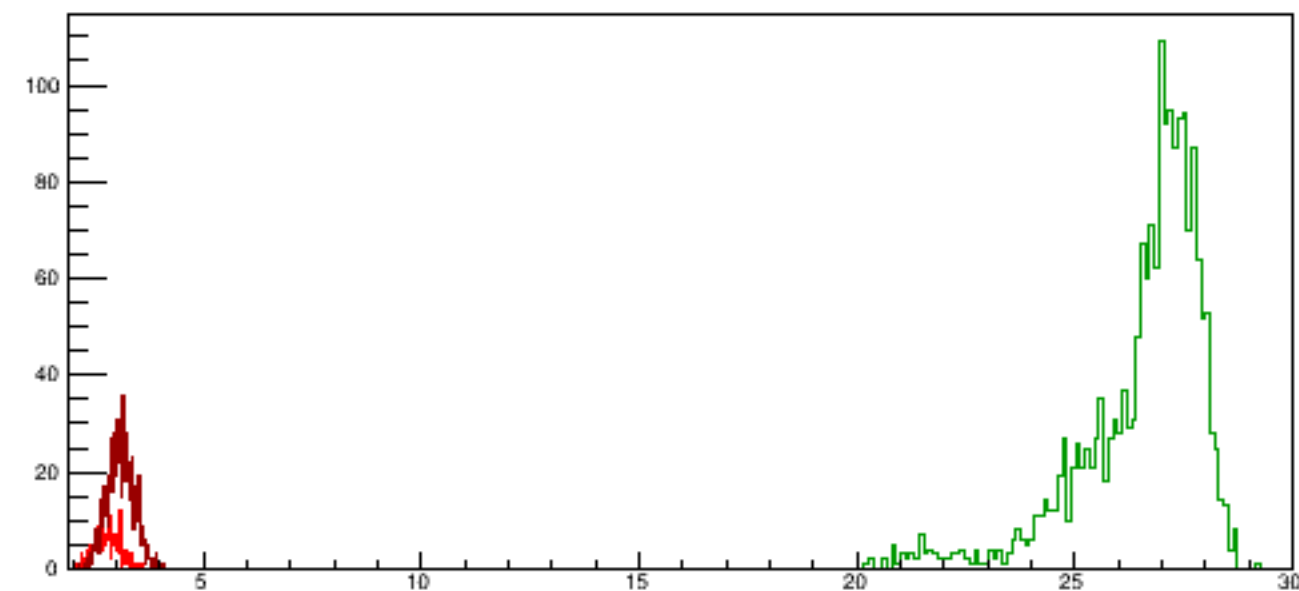
Std Dev: 1.4233 +/- 0.0231

Entries: 874

Mean: 3.0913 +/- 0.0103

Std Dev: 0.3044 +/- 0.0073

Run 5786 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=146059 && mpsCoda<=164030 && beamState==1)

## Cycle 11, Asyms

Entries: 272

Mean: 0.0013 +/- 0.0006

Std Dev: 0.0104 +/- 0.0004

Entries: 1898

Mean: 0.0308 +/- 0.0005

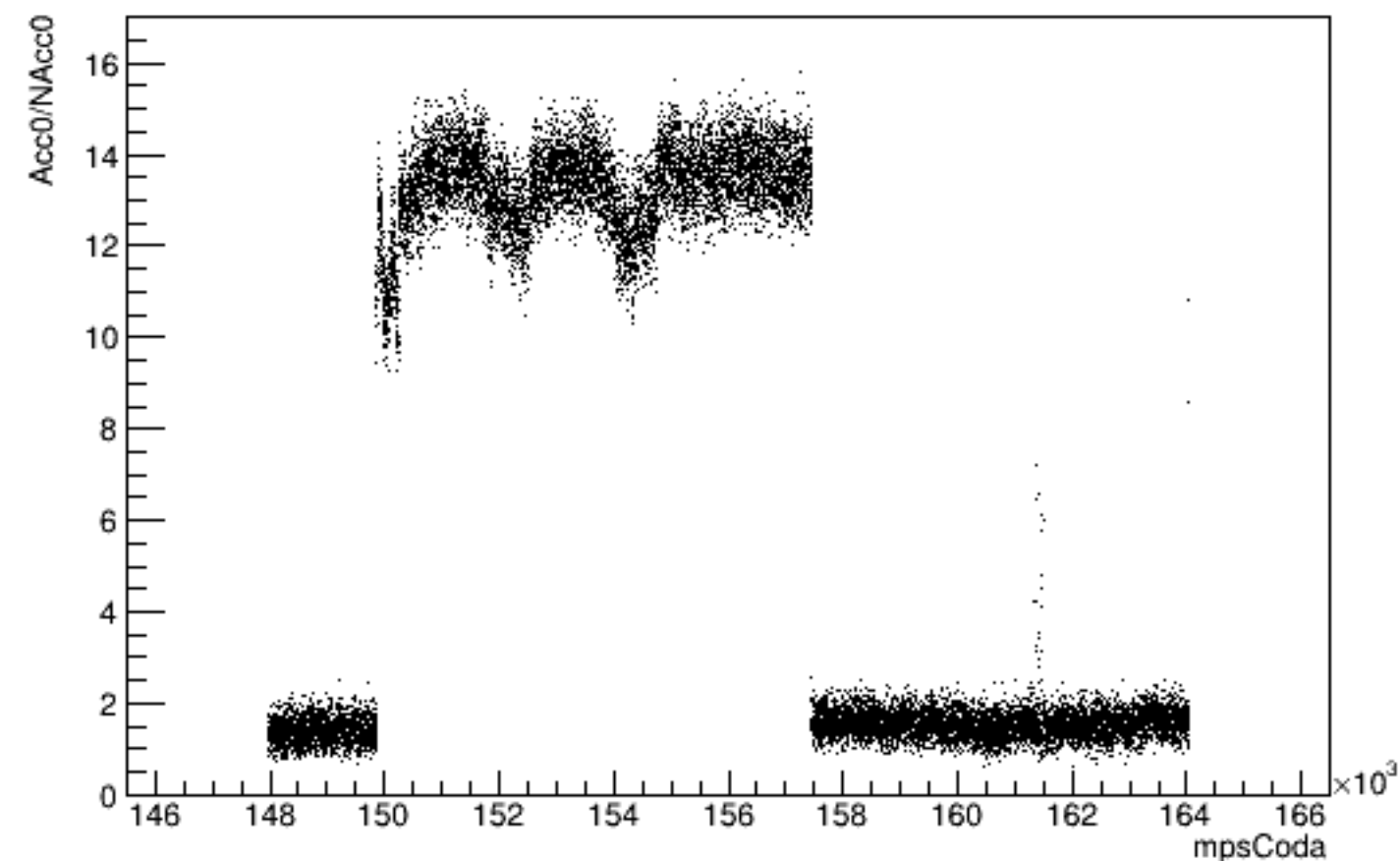
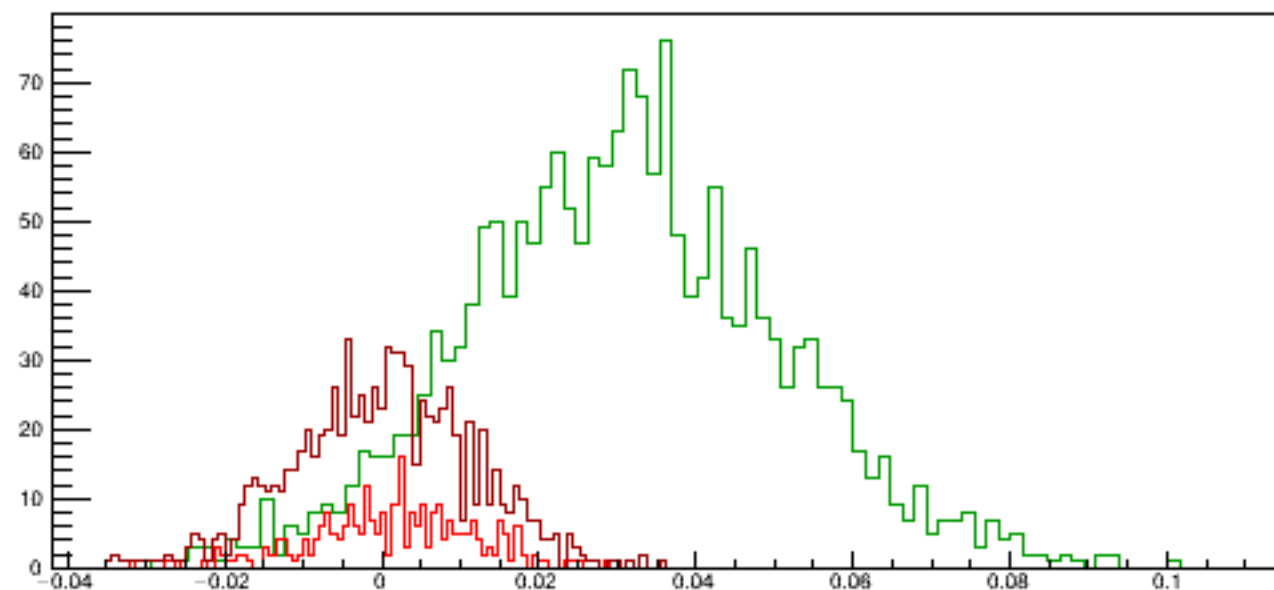
Std Dev: 0.0200 +/- 0.0003

Entries: 874

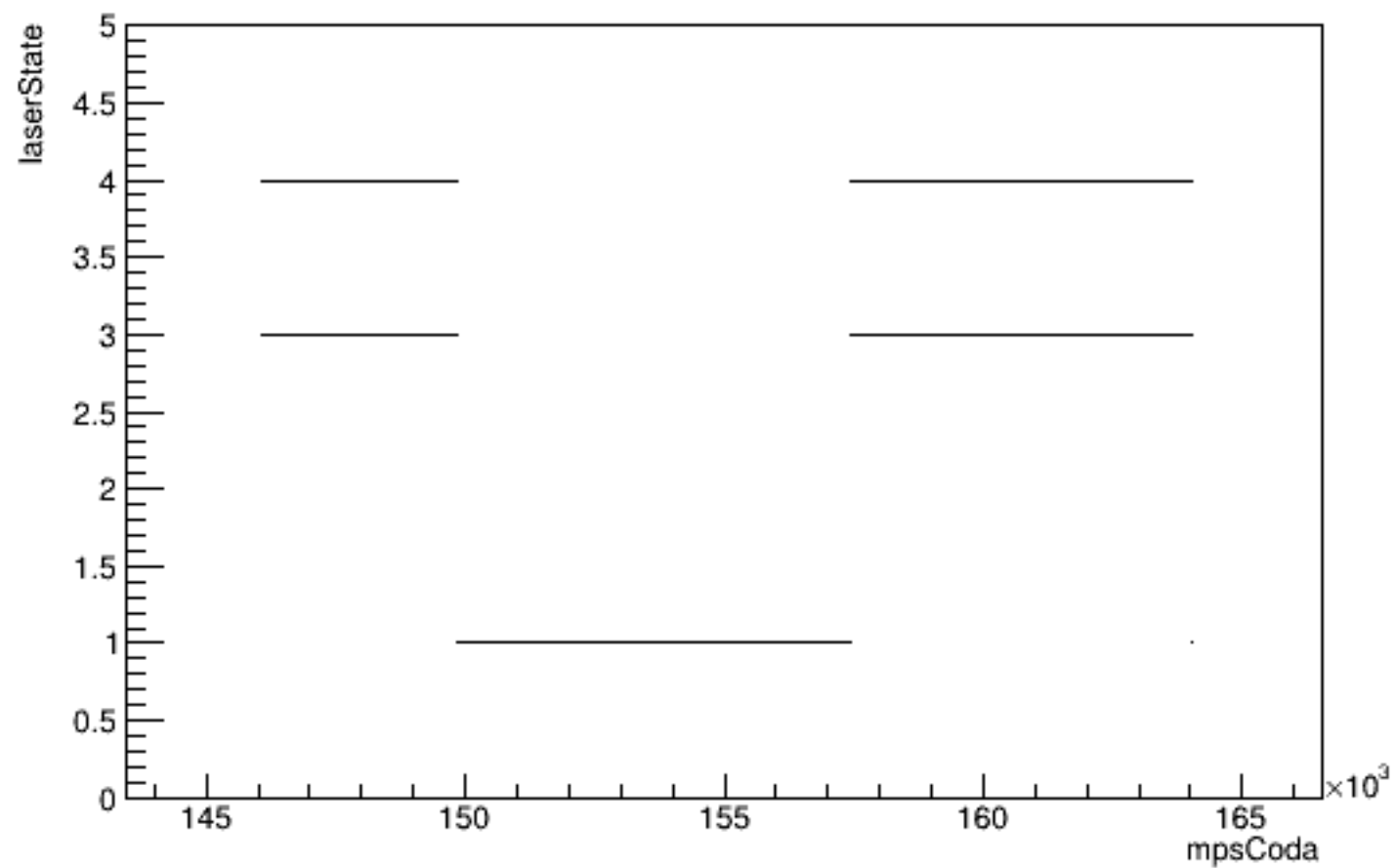
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0114 +/- 0.0003

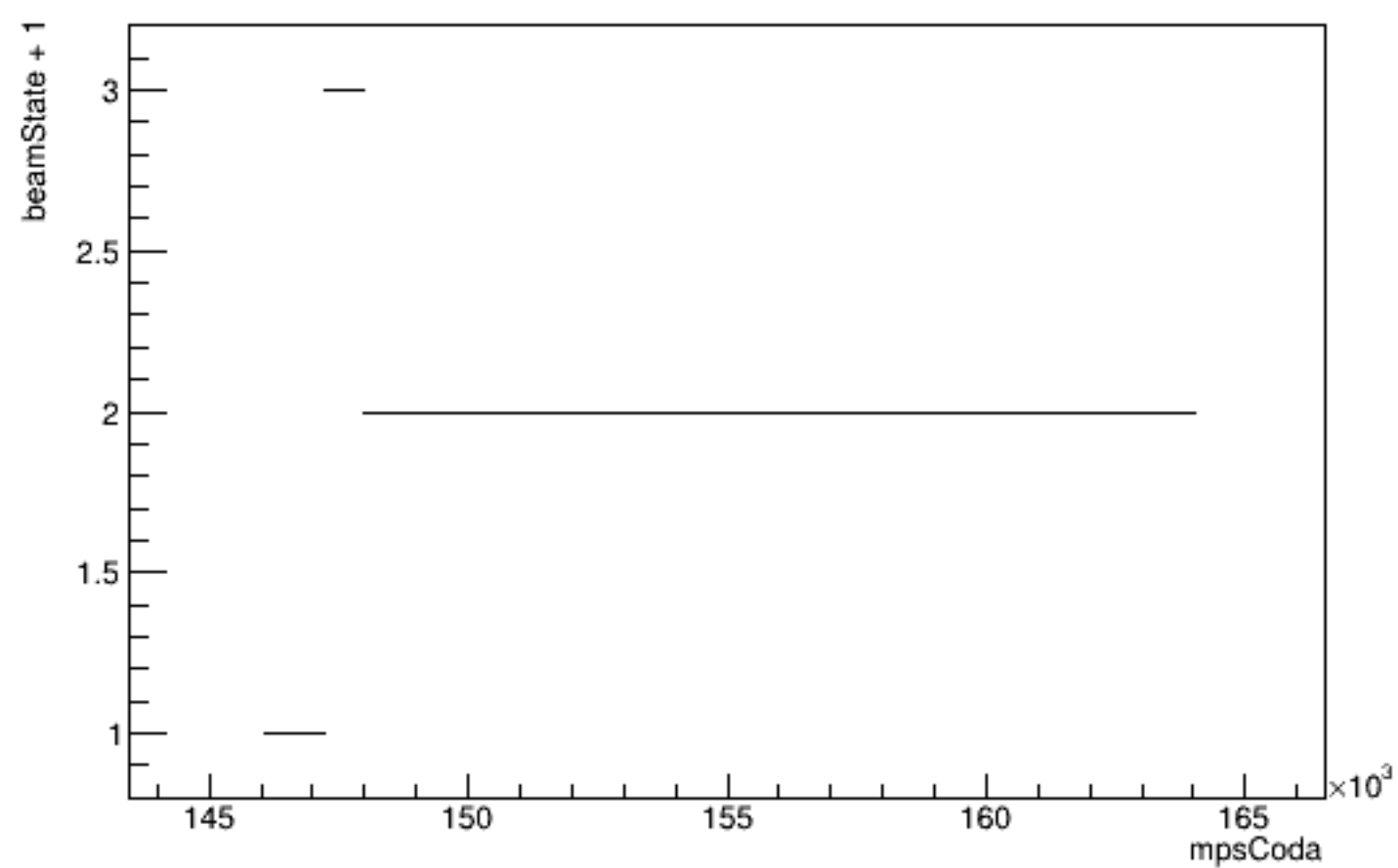
Run 5786 quartetwise, Asyms



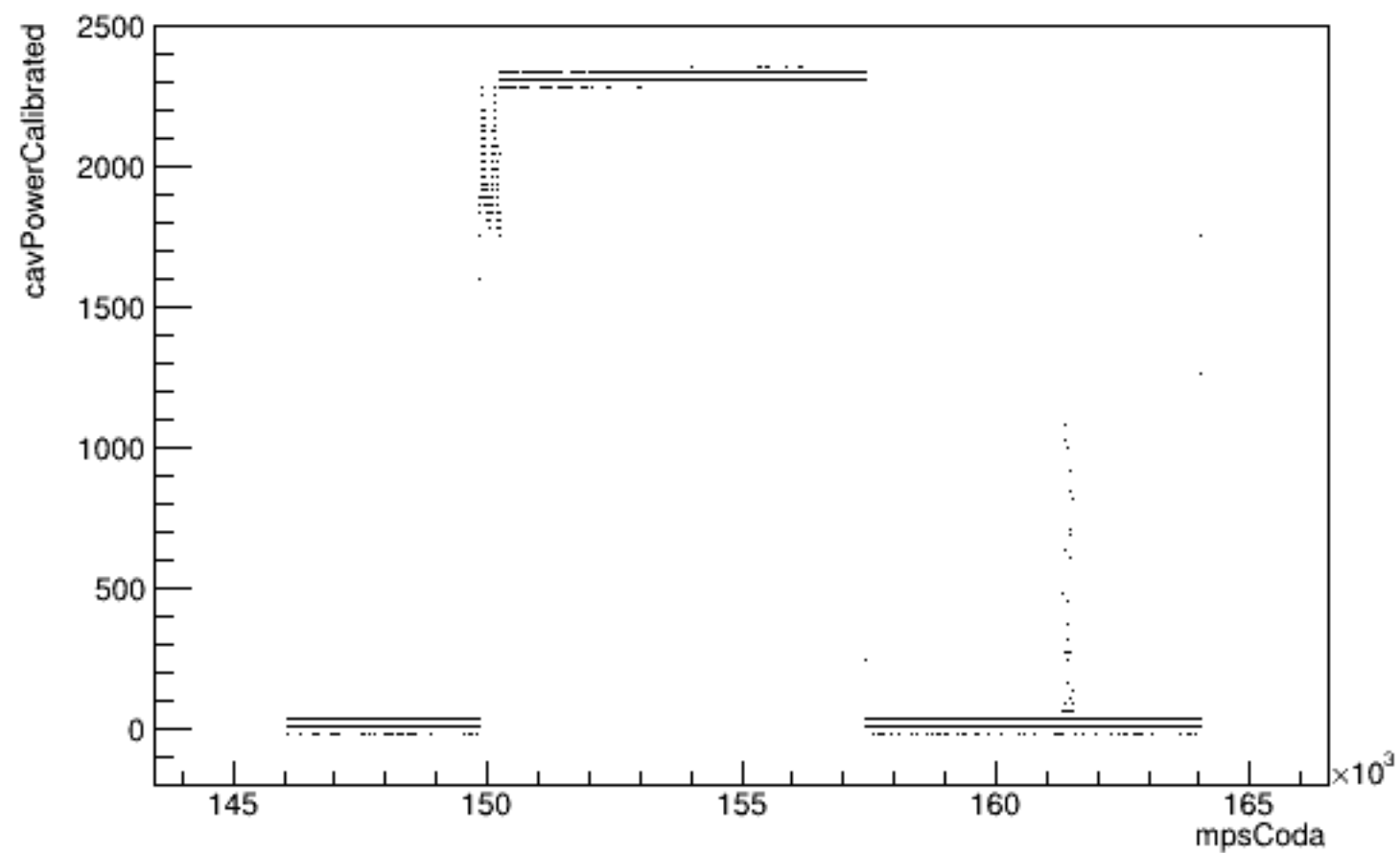
laserState:mpsCoda {mpsCoda&gt;=146059 &amp;&amp; mpsCoda&lt;=164030}



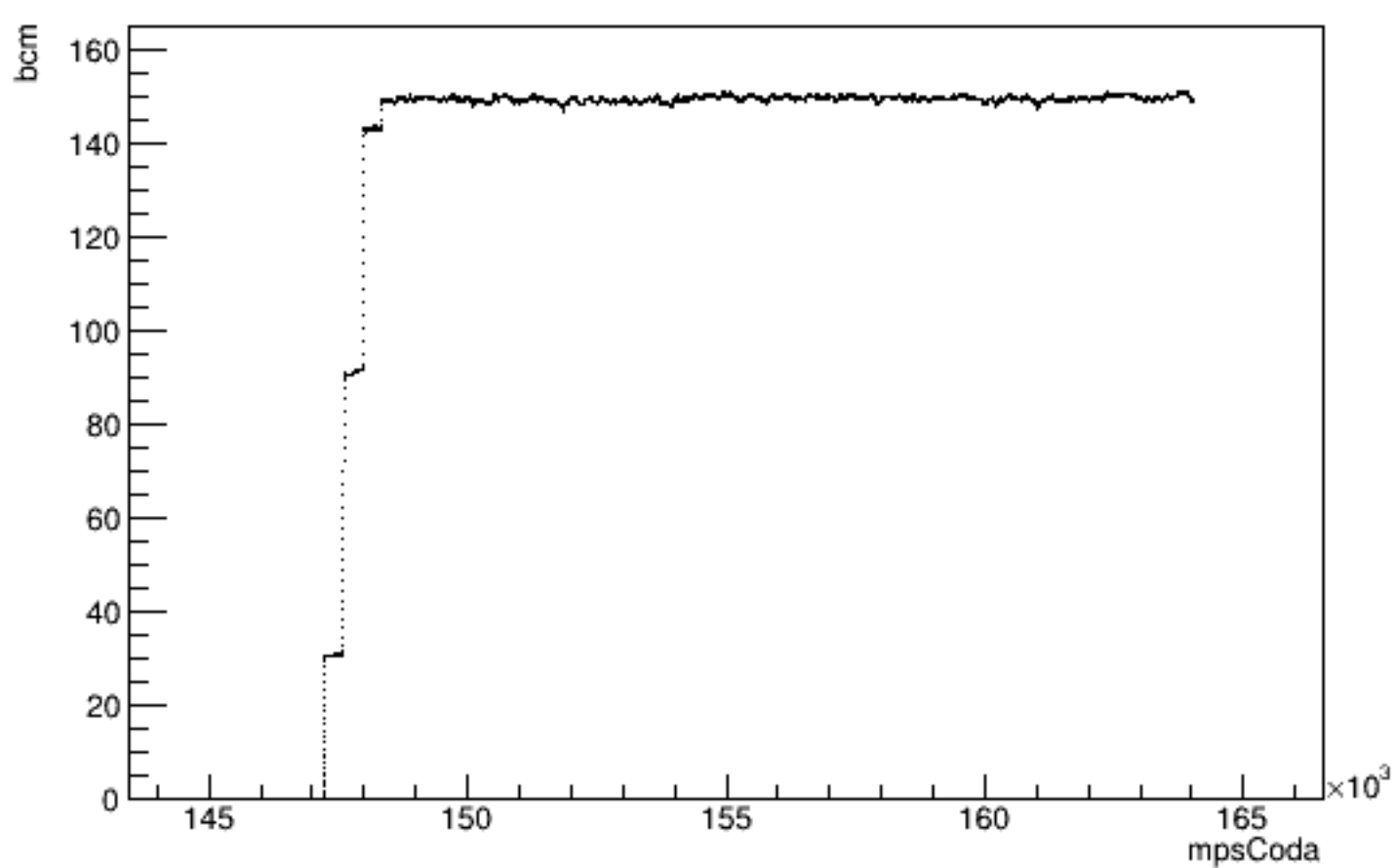
beamState + 1:mpsCoda {mpsCoda&gt;=146059 &amp;&amp; mpsCoda&lt;=164030}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=146059 &amp;&amp; mpsCoda&lt;=164030}



bcm:mpsCoda {mpsCoda&gt;=146059 &amp;&amp; mpsCoda&lt;=164030}



## Cycle 12, Diffs

Entries: 555

Mean:  $-0.0053 \pm 0.0113$

Std Dev:  $0.2662 \pm 0.0080$

Entries: 1901

Mean:  $0.7202 \pm 0.0108$

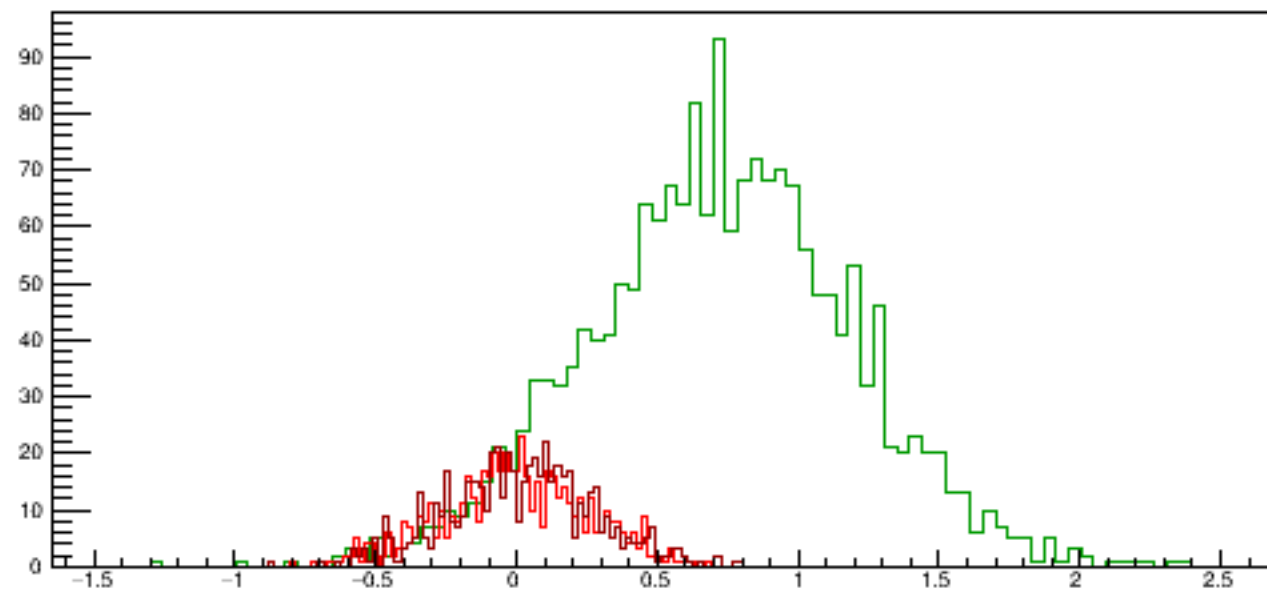
Std Dev:  $0.4701 \pm 0.0076$

Entries: 560

Mean:  $0.0139 \pm 0.0111$

Std Dev:  $0.2625 \pm 0.0078$

Run 5786 quartetwise, Diffs



## Cycle 12, Sums

Entries: 555

Mean:  $3.0642 \pm 0.0131$

Std Dev:  $0.3079 \pm 0.0092$

Entries: 1901

Mean:  $26.4108 \pm 0.0340$

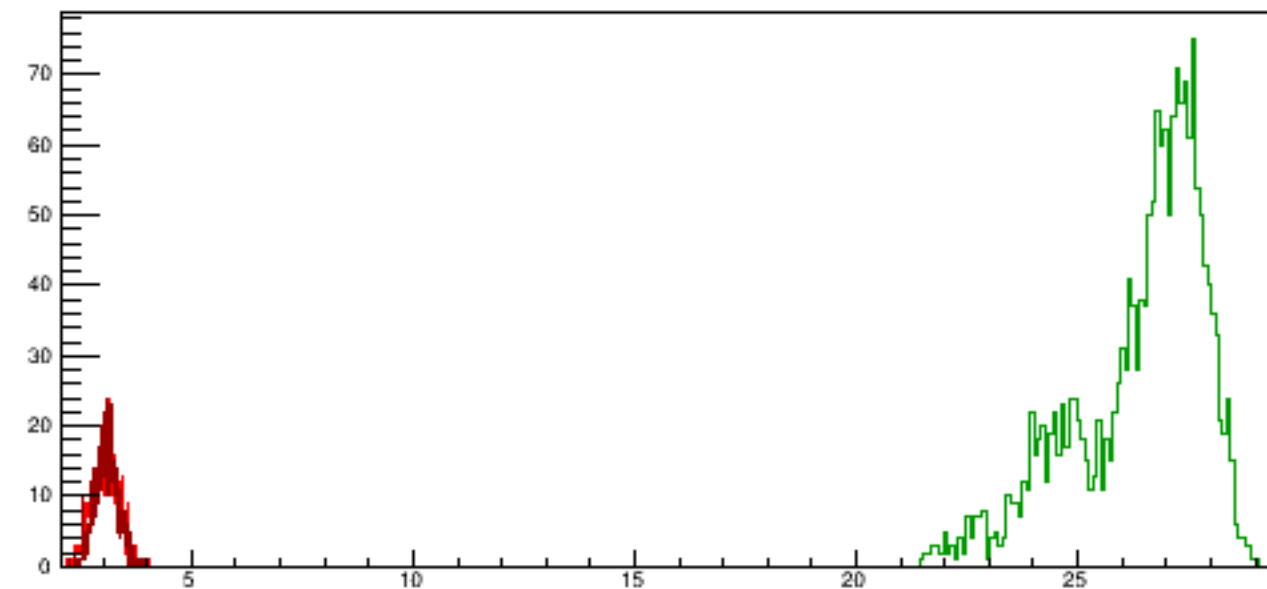
Std Dev:  $1.4833 \pm 0.0241$

Entries: 560

Mean:  $3.0653 \pm 0.0115$

Std Dev:  $0.2728 \pm 0.0082$

Run 5786 quartetwise, Sums



## Cycle 12, Asyms

Entries: 555

Mean:  $-0.0002 \pm 0.0005$

Std Dev:  $0.0114 \pm 0.0003$

Entries: 1901

Mean:  $0.0308 \pm 0.0005$

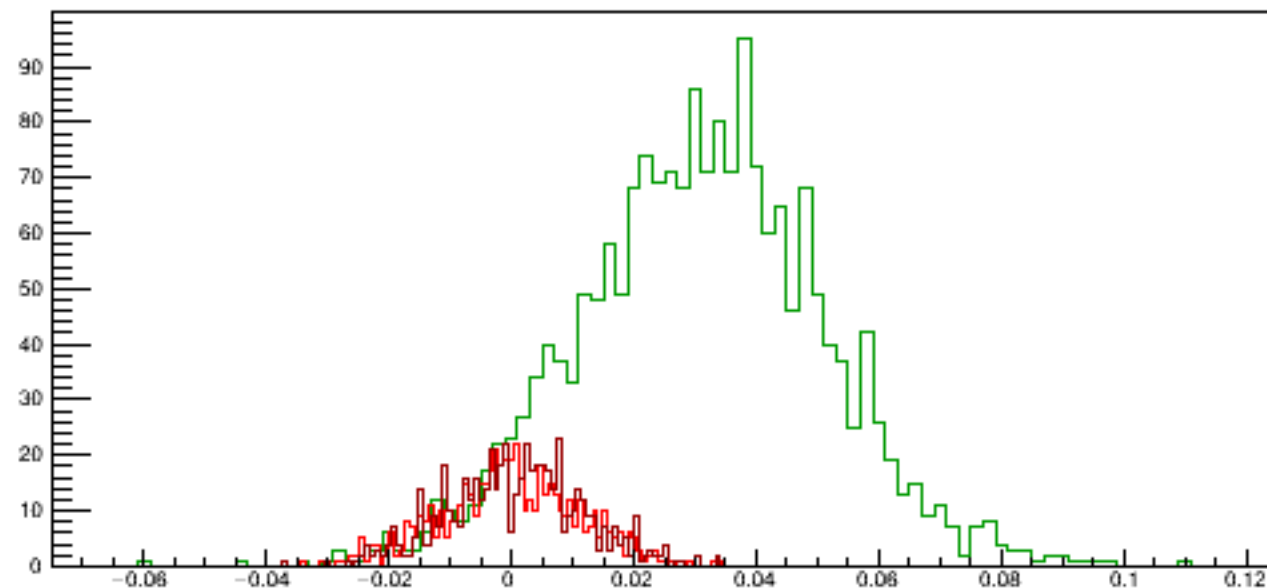
Std Dev:  $0.0202 \pm 0.0003$

Entries: 560

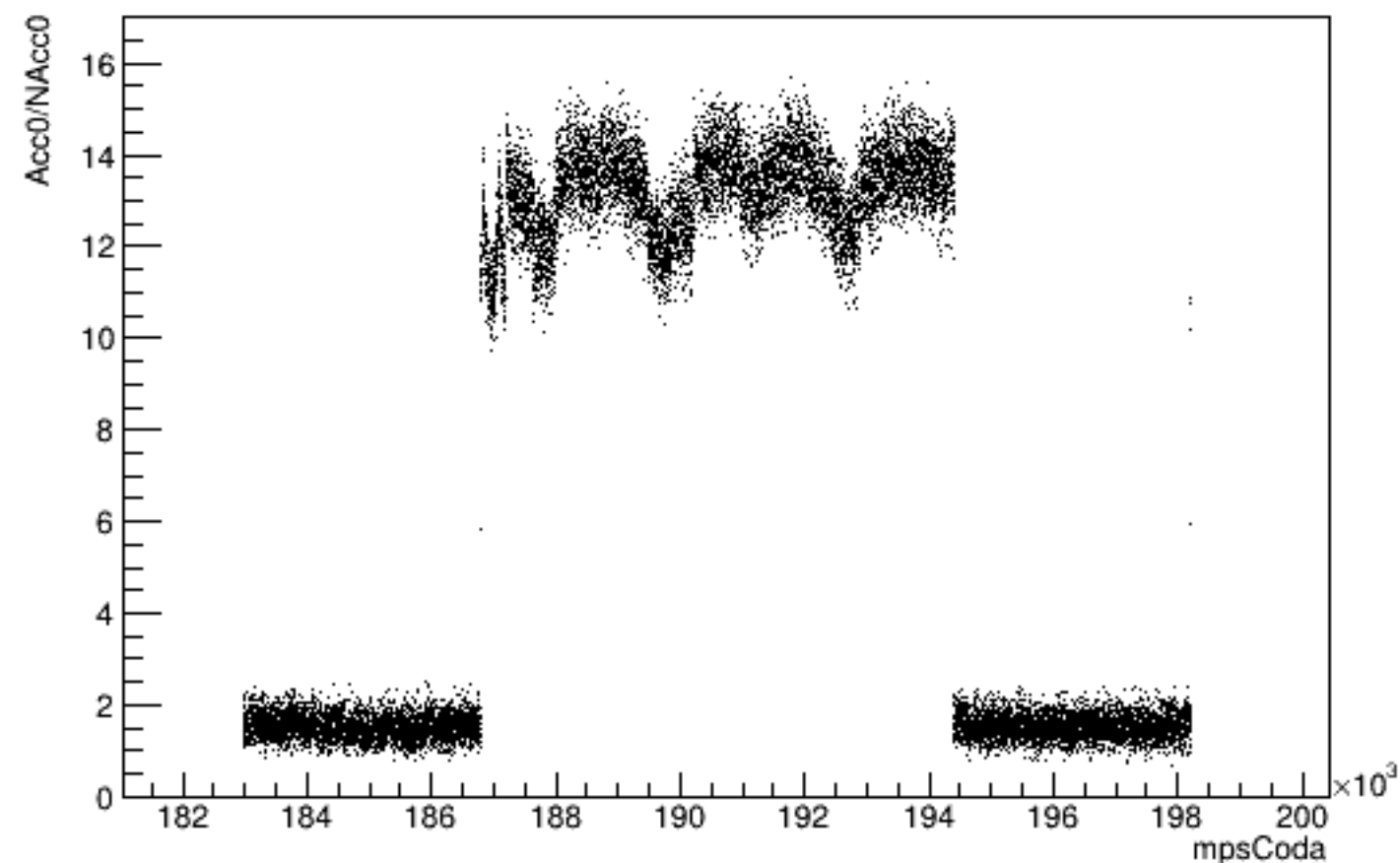
Mean:  $0.0006 \pm 0.0005$

Std Dev:  $0.0112 \pm 0.0003$

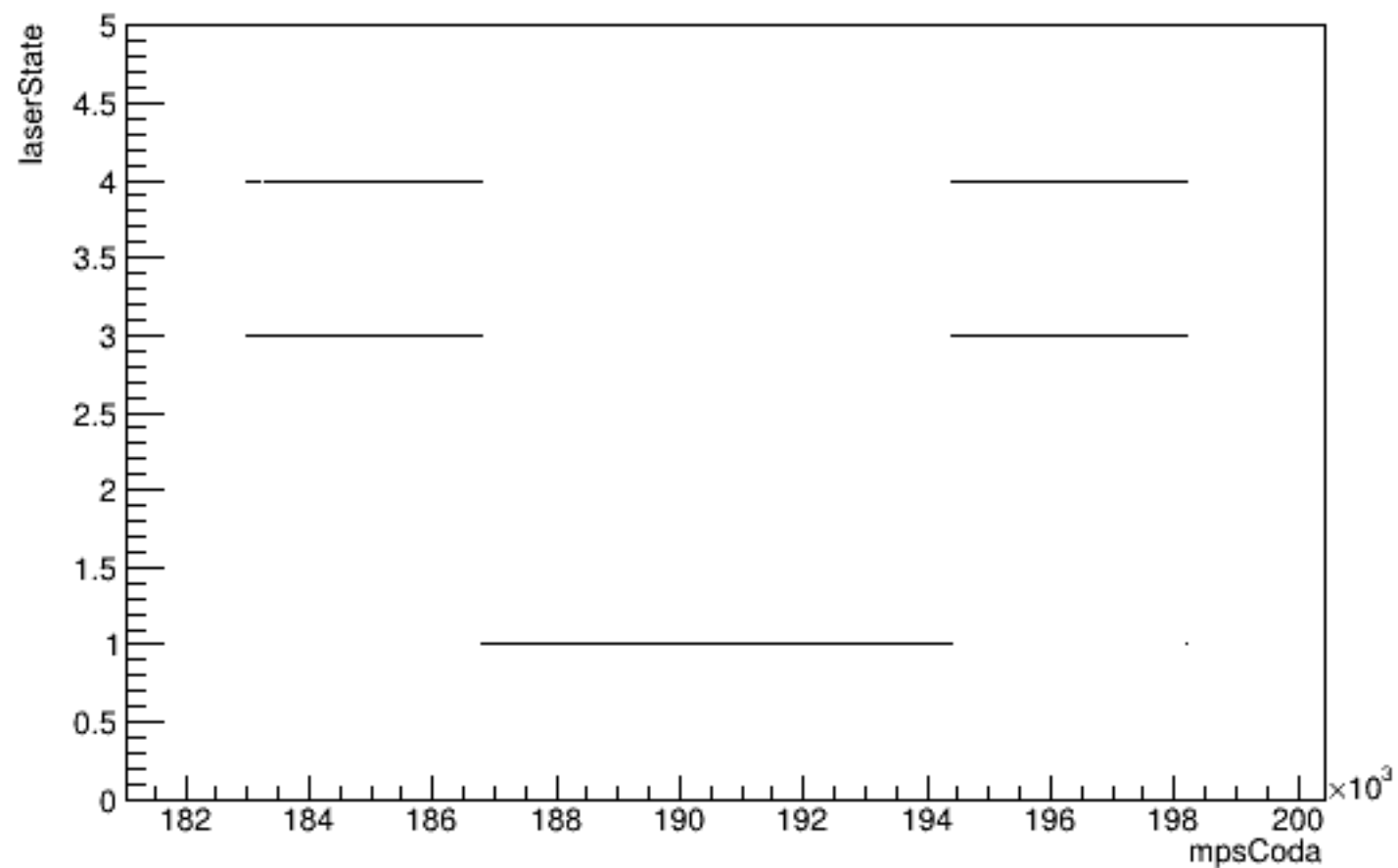
Run 5786 quartetwise, Asyms



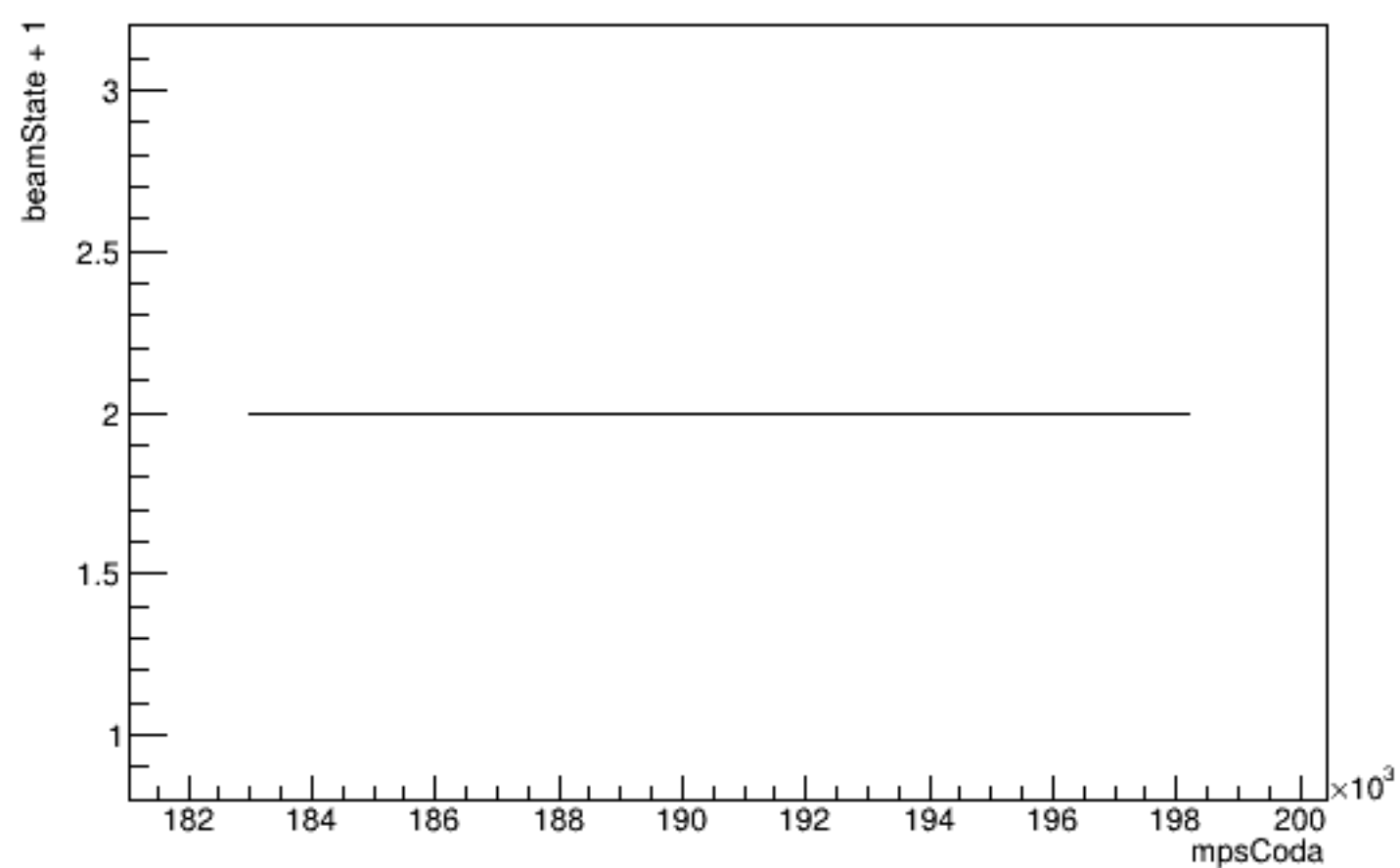
Acc0/NAcc0:mpsCoda (mpsCoda>=182971 && mpsCoda<=198210 && beamState==1)



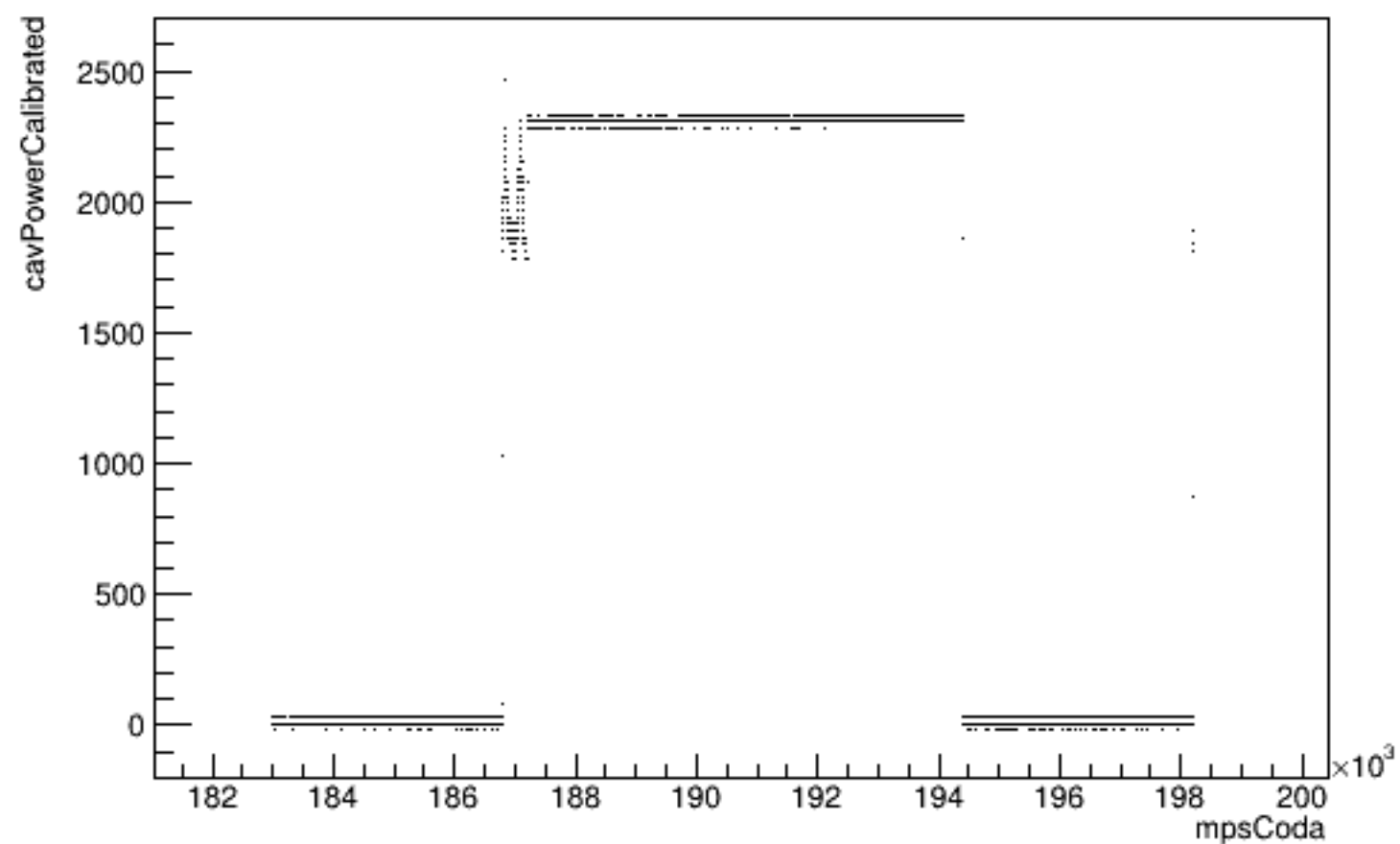
laserState:mpsCoda {mpsCoda&gt;=182971 &amp;&amp; mpsCoda&lt;=198210}



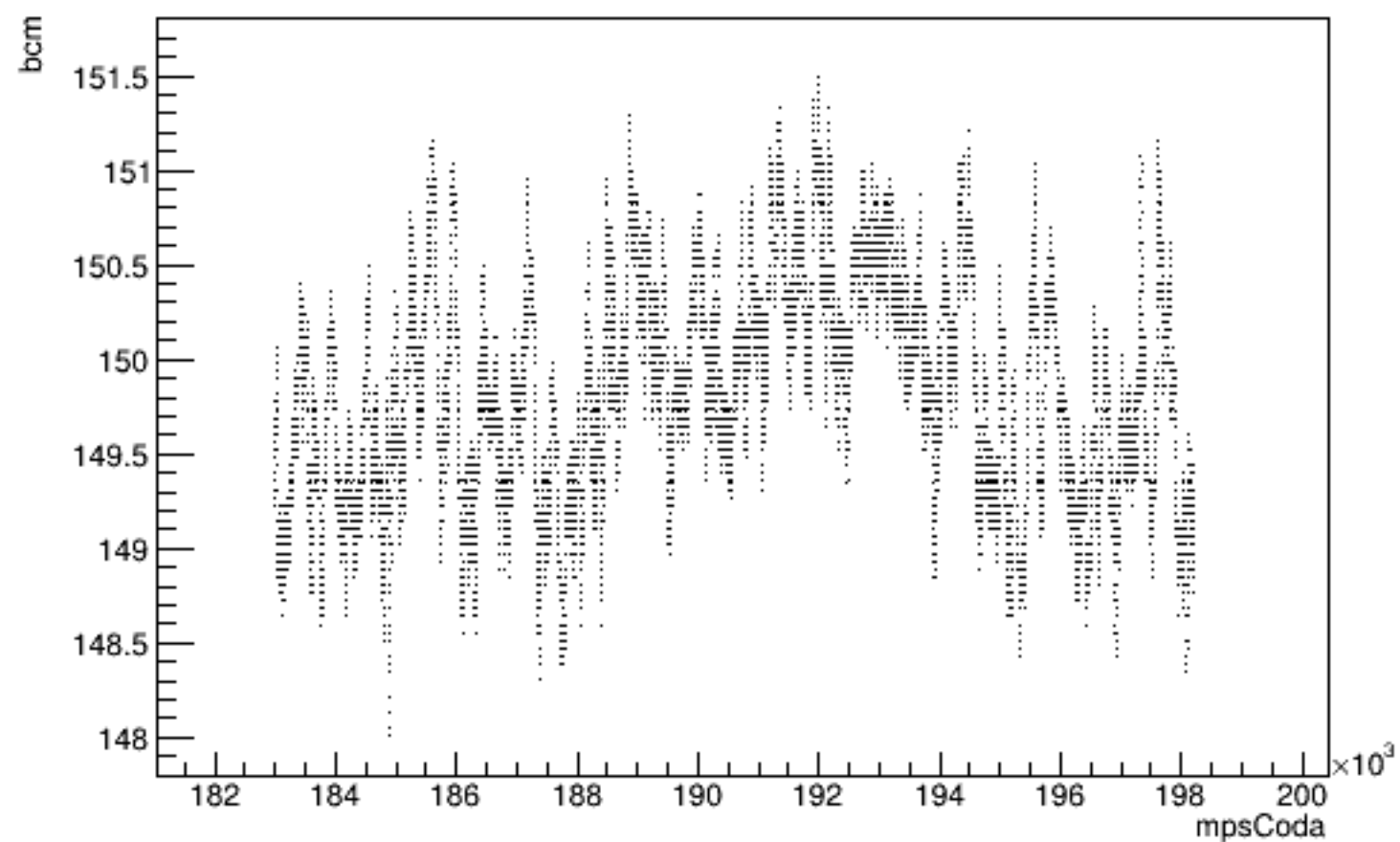
beamState + 1:mpsCoda {mpsCoda&gt;=182971 &amp;&amp; mpsCoda&lt;=198210}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=182971 &amp;&amp; mpsCoda&lt;=198210}



bcm:mpsCoda {mpsCoda&gt;=182971 &amp;&amp; mpsCoda&lt;=198210}





# Cycle 13, Diffs

Entries: 560

Mean: 0.0139 +/- 0.0111

Std Dev: 0.2625 +/- 0.0078

Entries: 1344

Mean: 0.7260 +/- 0.0127

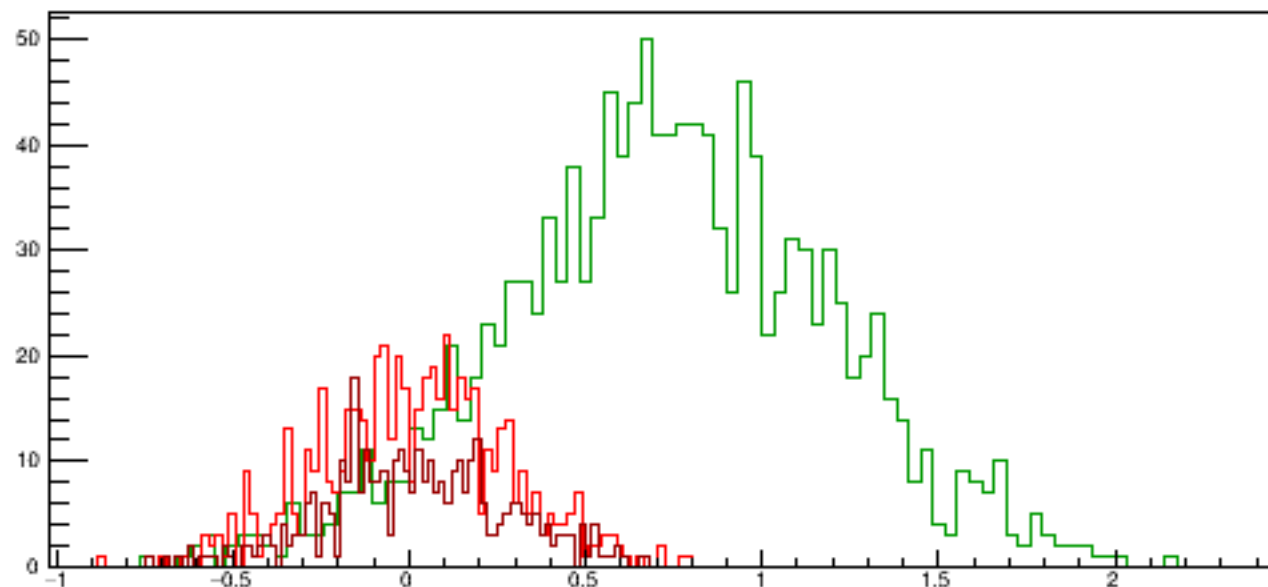
Std Dev: 0.4638 +/- 0.0089

Entries: 360

Mean: 0.0225 +/- 0.0137

Std Dev: 0.2608 +/- 0.0097

Run 5786 quartetwise, Diffs



# Cycle 13, Sums

Entries: 560

Mean: 3.0653 +/- 0.0115

Std Dev: 0.2728 +/- 0.0082

Entries: 1344

Mean: 26.5939 +/- 0.0394

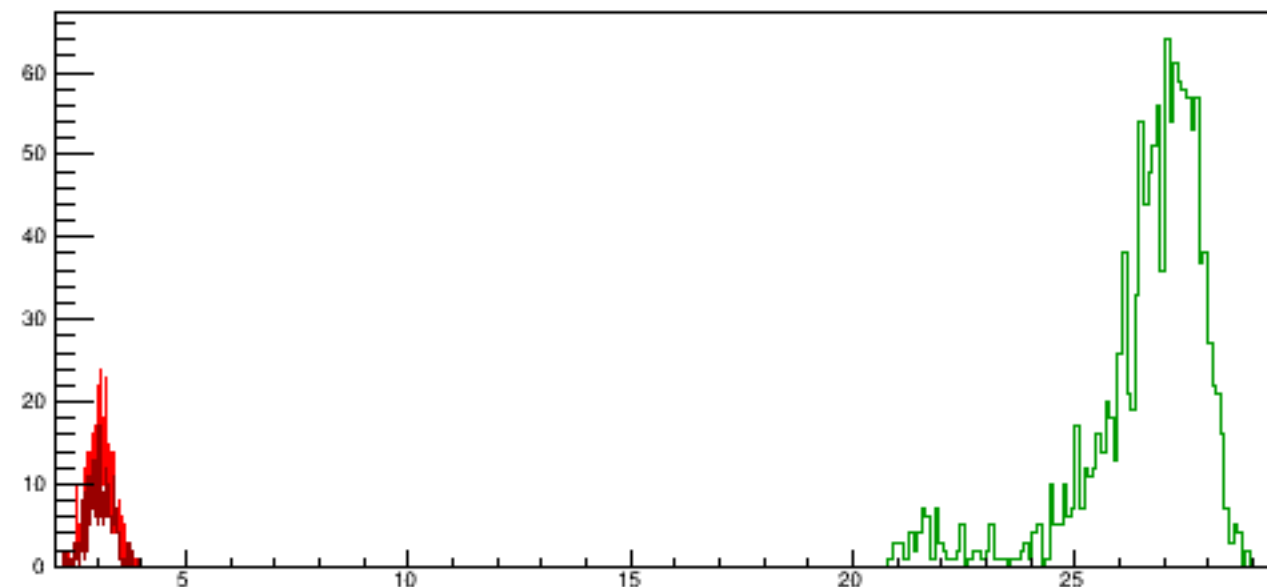
Std Dev: 1.4427 +/- 0.0278

Entries: 360

Mean: 3.0435 +/- 0.0152

Std Dev: 0.2882 +/- 0.0107

Run 5786 quartetwise, Sums



# Cycle 13, Asyms

Entries: 560

Mean: 0.0006 +/- 0.0005

Std Dev: 0.0111 +/- 0.0003

Entries: 1344

Mean: 0.0309 +/- 0.0005

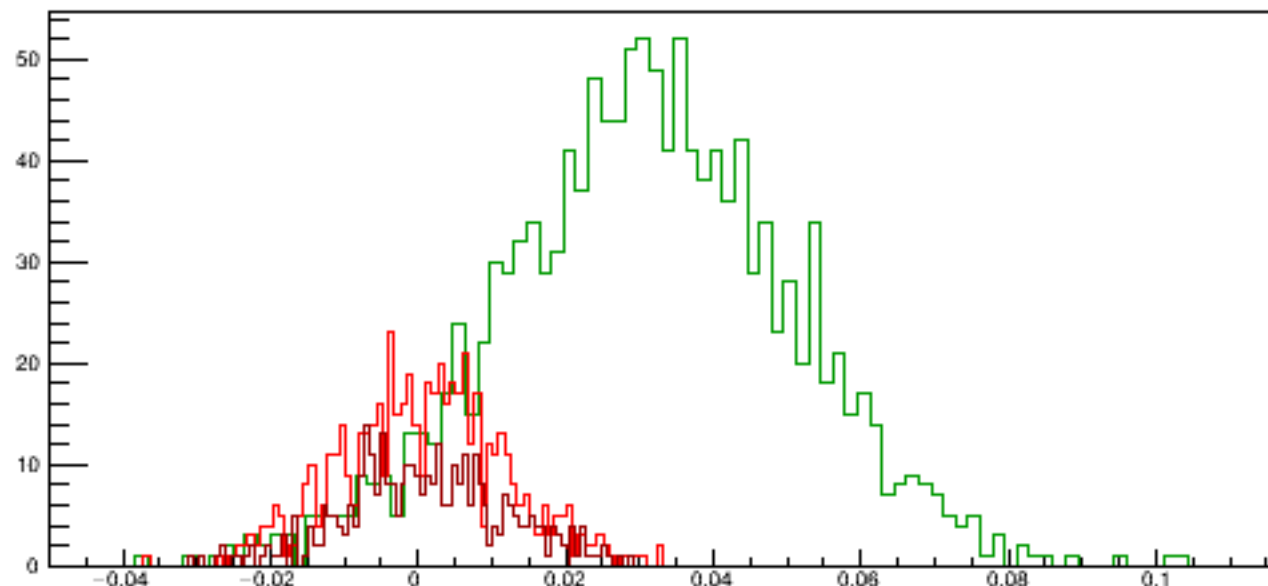
Std Dev: 0.0199 +/- 0.0004

Entries: 360

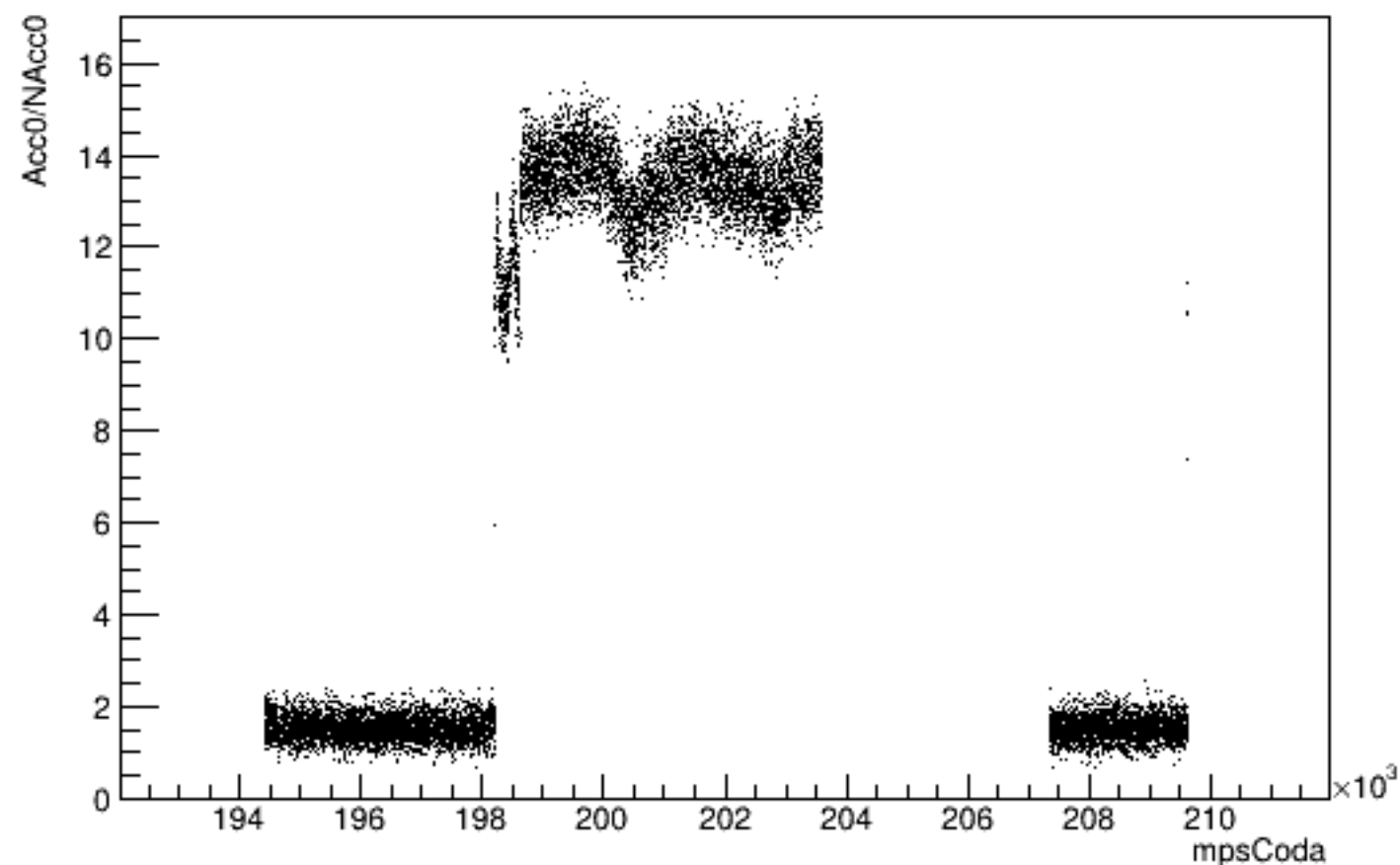
Mean: 0.0010 +/- 0.0006

Std Dev: 0.0111 +/- 0.0004

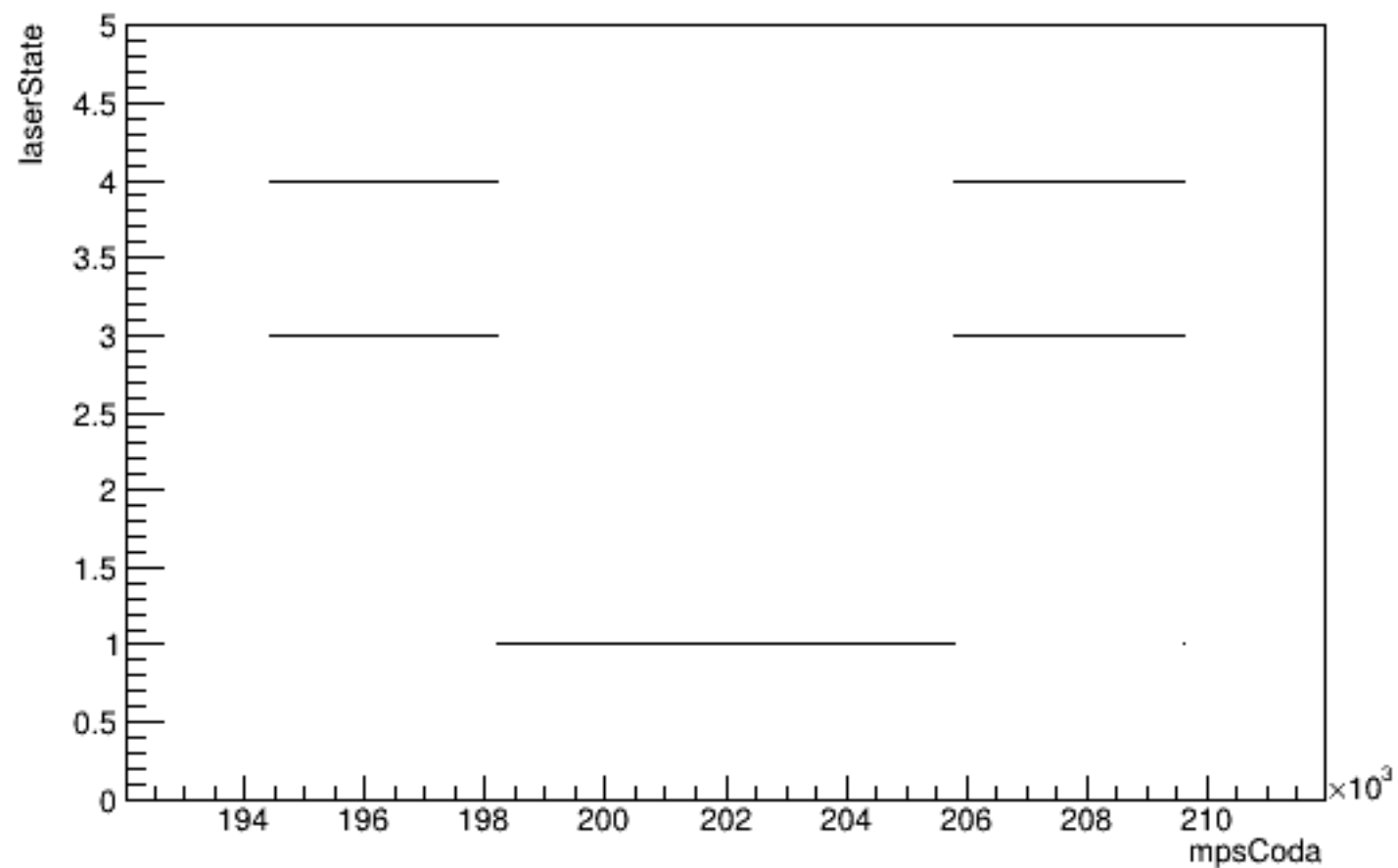
Run 5786 quartetwise, Asyms



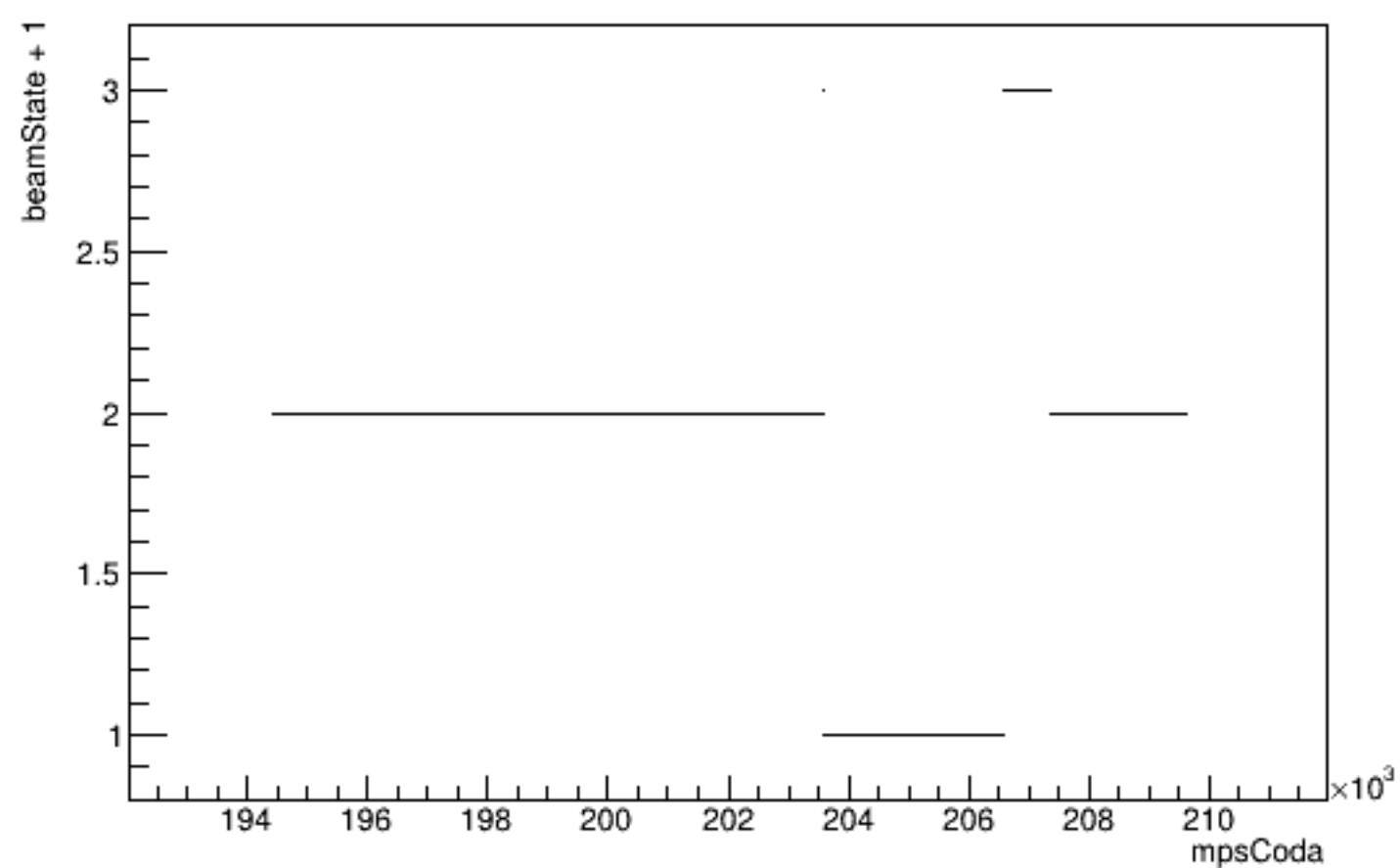
Acc0/NAcc0:mpsCoda (mpsCoda>=194399 && mpsCoda<=209630 && beamState==1)



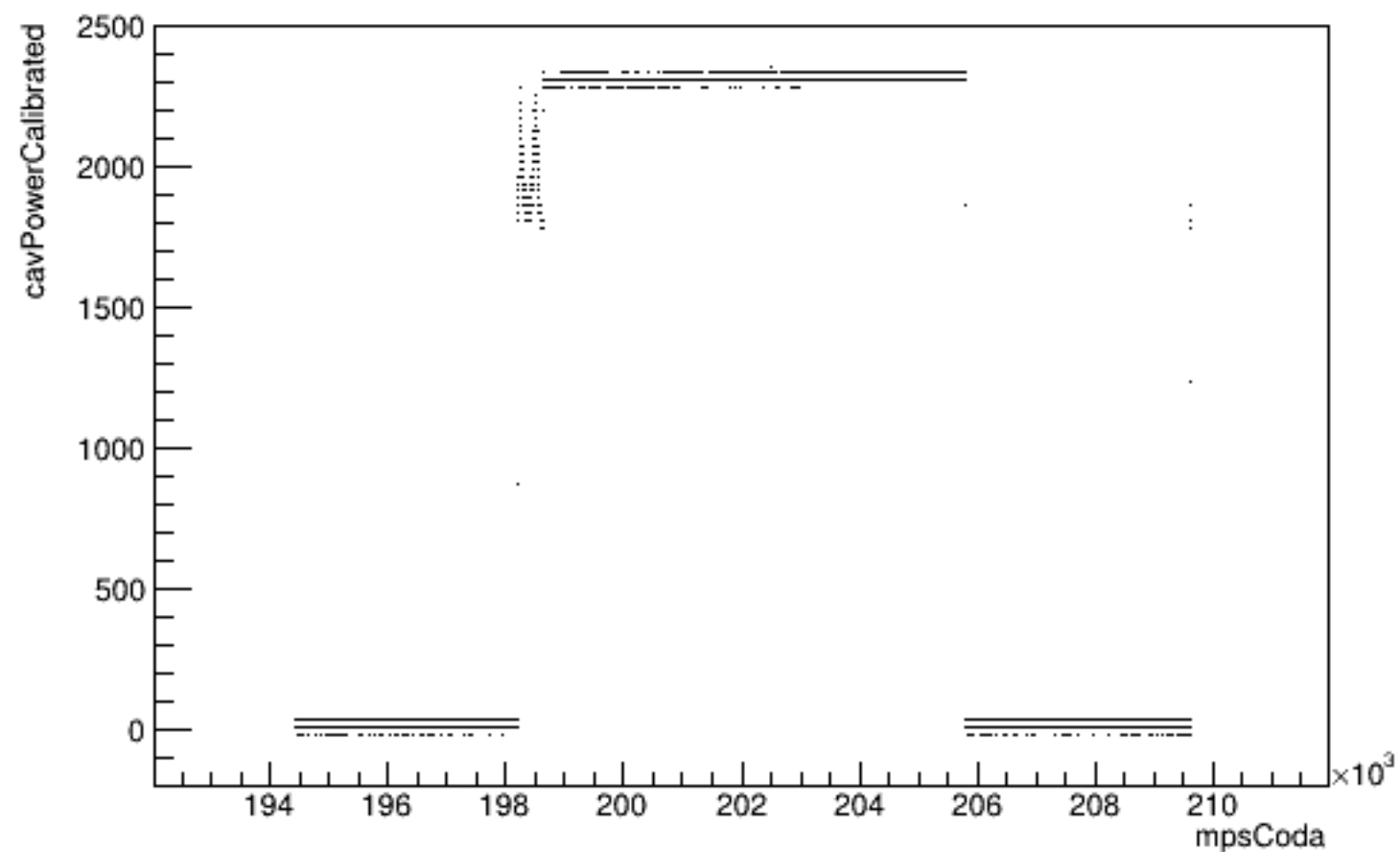
laserState:mpsCoda {mpsCoda&gt;=194399 &amp;&amp; mpsCoda&lt;=209630}



beamState + 1:mpsCoda {mpsCoda&gt;=194399 &amp;&amp; mpsCoda&lt;=209630}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=194399 &amp;&amp; mpsCoda&lt;=209630}



bcm:mpsCoda {mpsCoda&gt;=194399 &amp;&amp; mpsCoda&lt;=209630}

