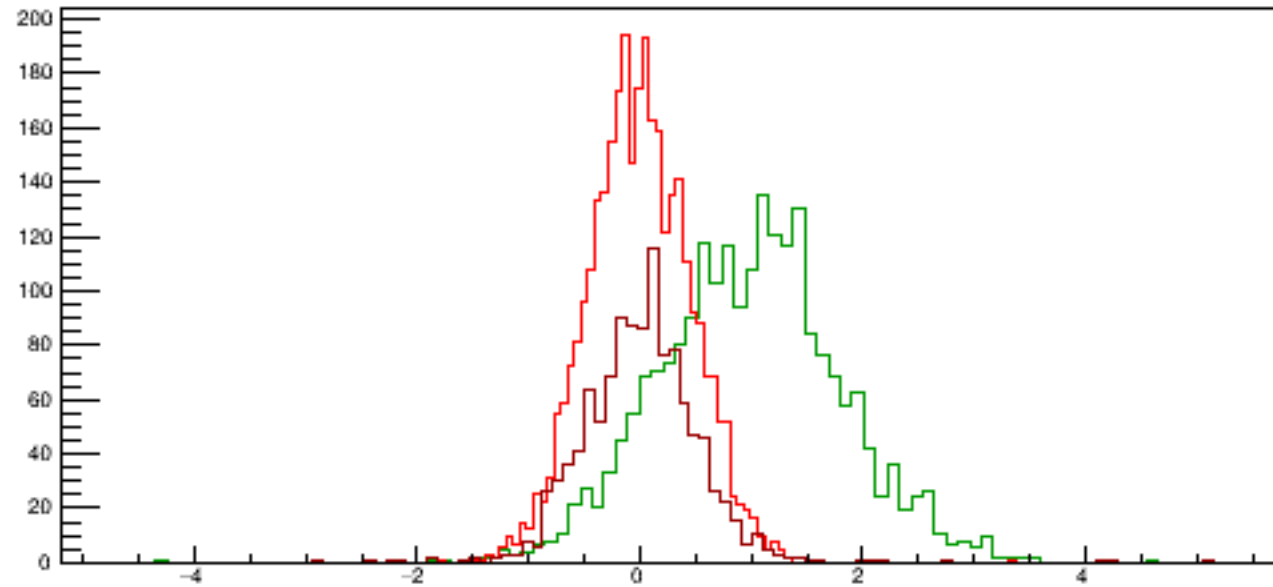


# Cycle 1, Diffs

<b>Entries: 3283</b> <b>Mean: -0.0055 +/- 0.0080</b> <b>Std Dev: 0.4599 +/- 0.0057</b>	<b>Entries: 2244</b> <b>Mean: 0.9871 +/- 0.0174</b> <b>Std Dev: 0.8224 +/- 0.0123</b>	<b>Entries: 1137</b> <b>Mean: 0.0163 +/- 0.0166</b> <b>Std Dev: 0.5604 +/- 0.0118</b>
--	---	---

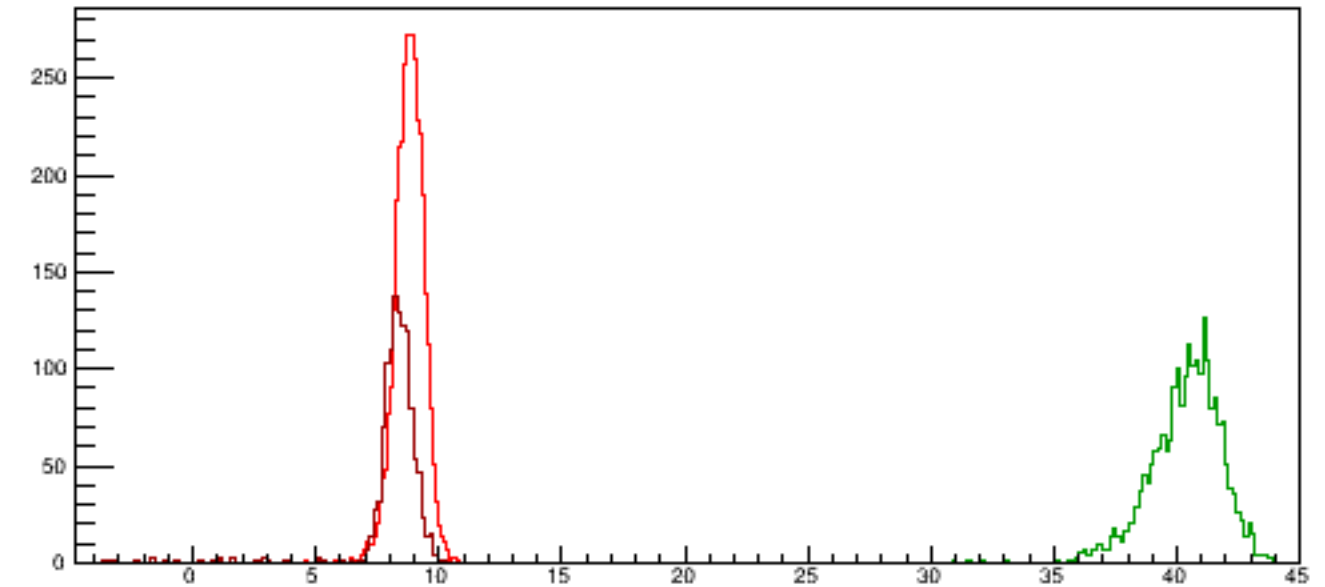
Run 4979 quartetwise, Diffs



# Cycle 1, Sums

<b>Entries: 3283</b> <b>Mean: 8.7928 +/- 0.0105</b> <b>Std Dev: 0.6024 +/- 0.0074</b>	<b>Entries: 2244</b> <b>Mean: 40.3727 +/- 0.0303</b> <b>Std Dev: 1.4339 +/- 0.0214</b>	<b>Entries: 1137</b> <b>Mean: 8.2531 +/- 0.0355</b> <b>Std Dev: 1.1971 +/- 0.0251</b>
---	--	---

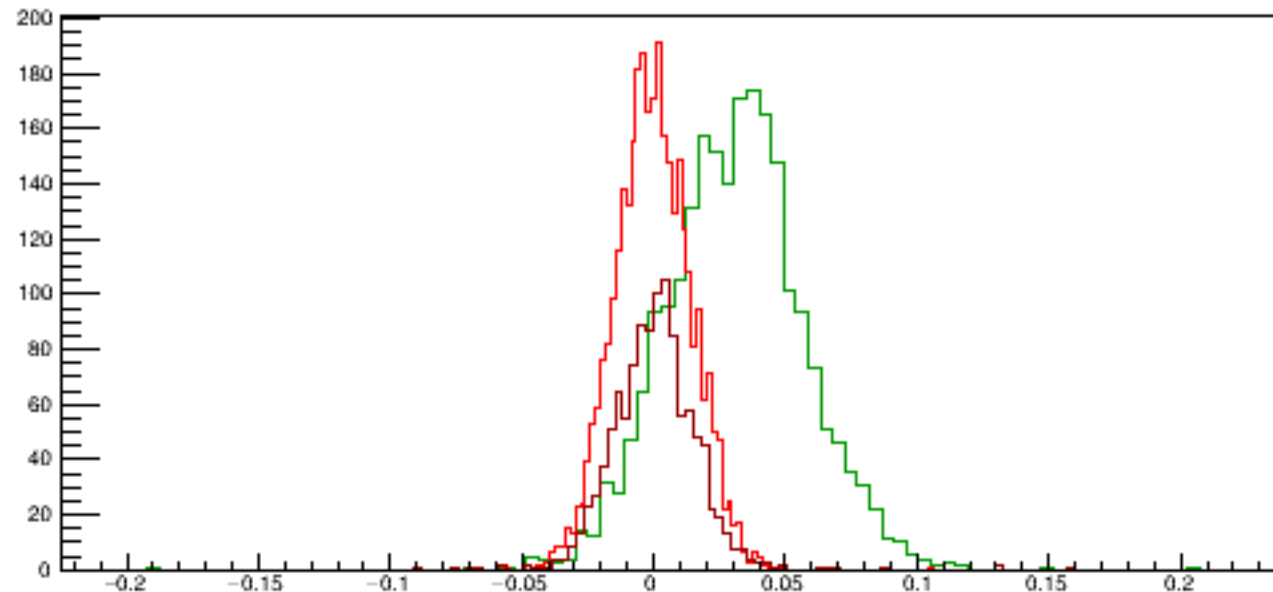
Run 4979 quartetwise, Sums



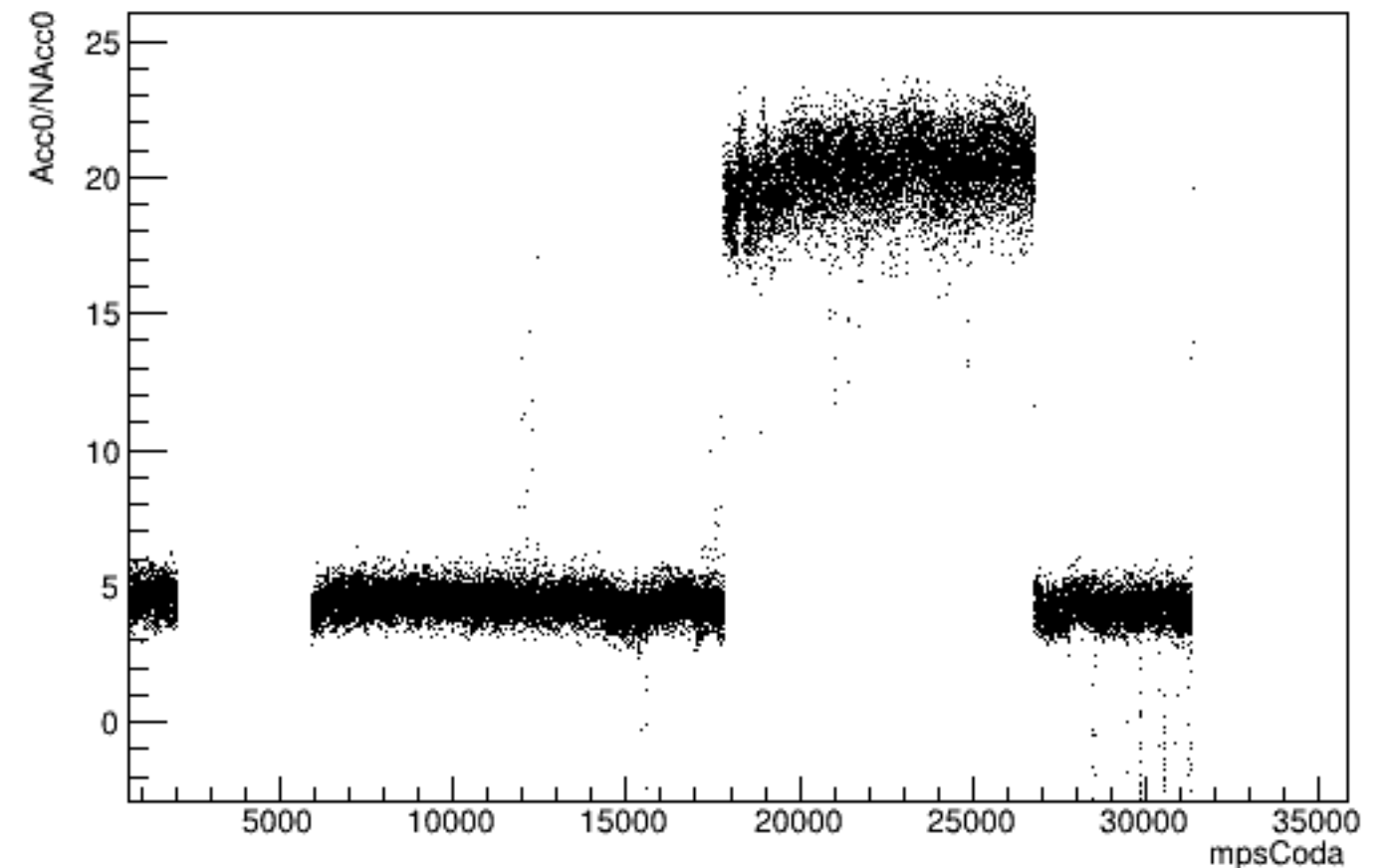
# Cycle 1, Asyms

<b>Entries: 3283</b> <b>Mean: -0.0002 +/- 0.0003</b> <b>Std Dev: 0.0144 +/- 0.0002</b>	<b>Entries: 2244</b> <b>Mean: 0.0310 +/- 0.0006</b> <b>Std Dev: 0.0264 +/- 0.0004</b>	<b>Entries: 1137</b> <b>Mean: 0.0005 +/- 0.0005</b> <b>Std Dev: 0.0176 +/- 0.0004</b>
--	---	---

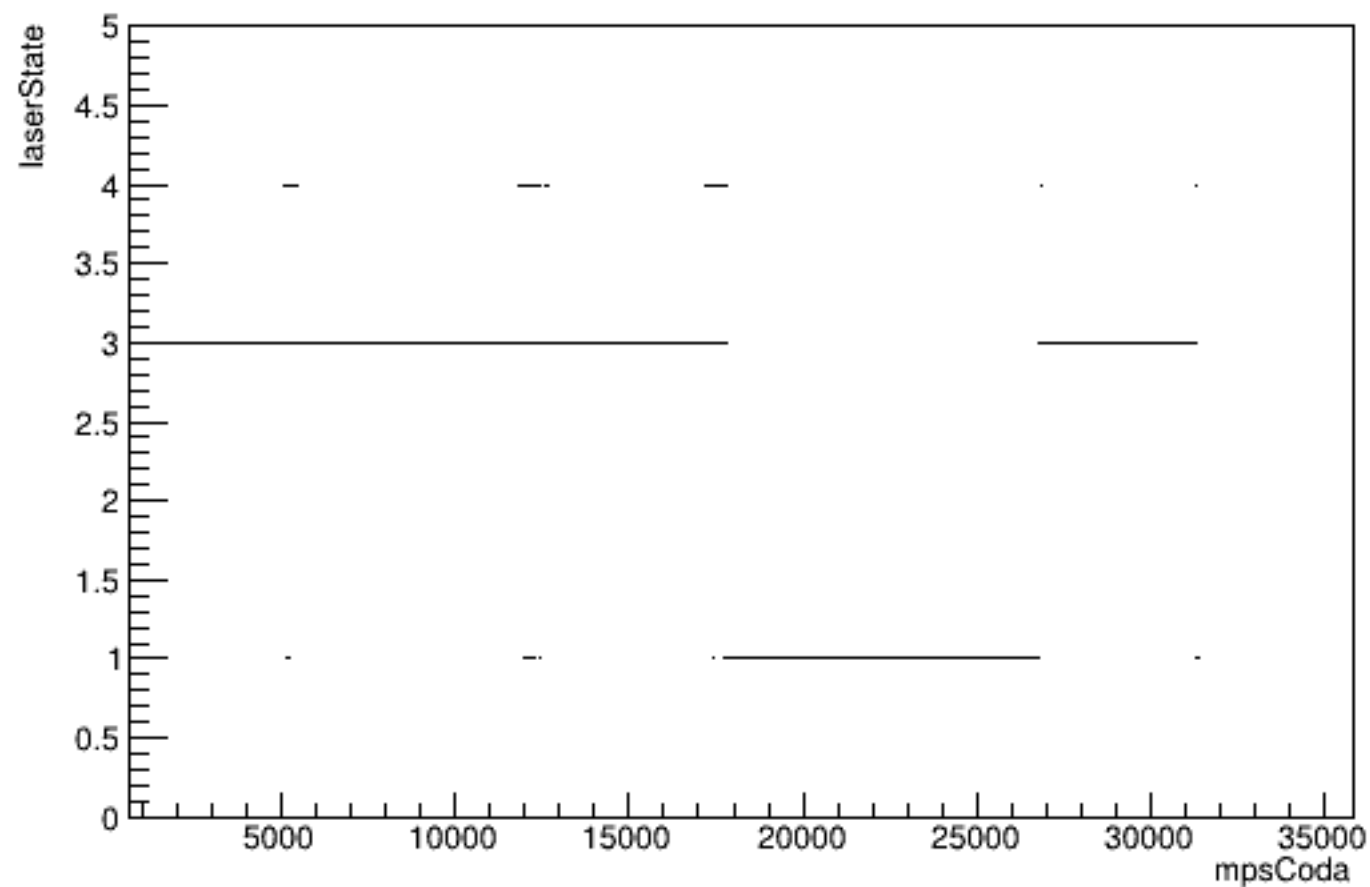
Run 4979 quartetwise, Asyms



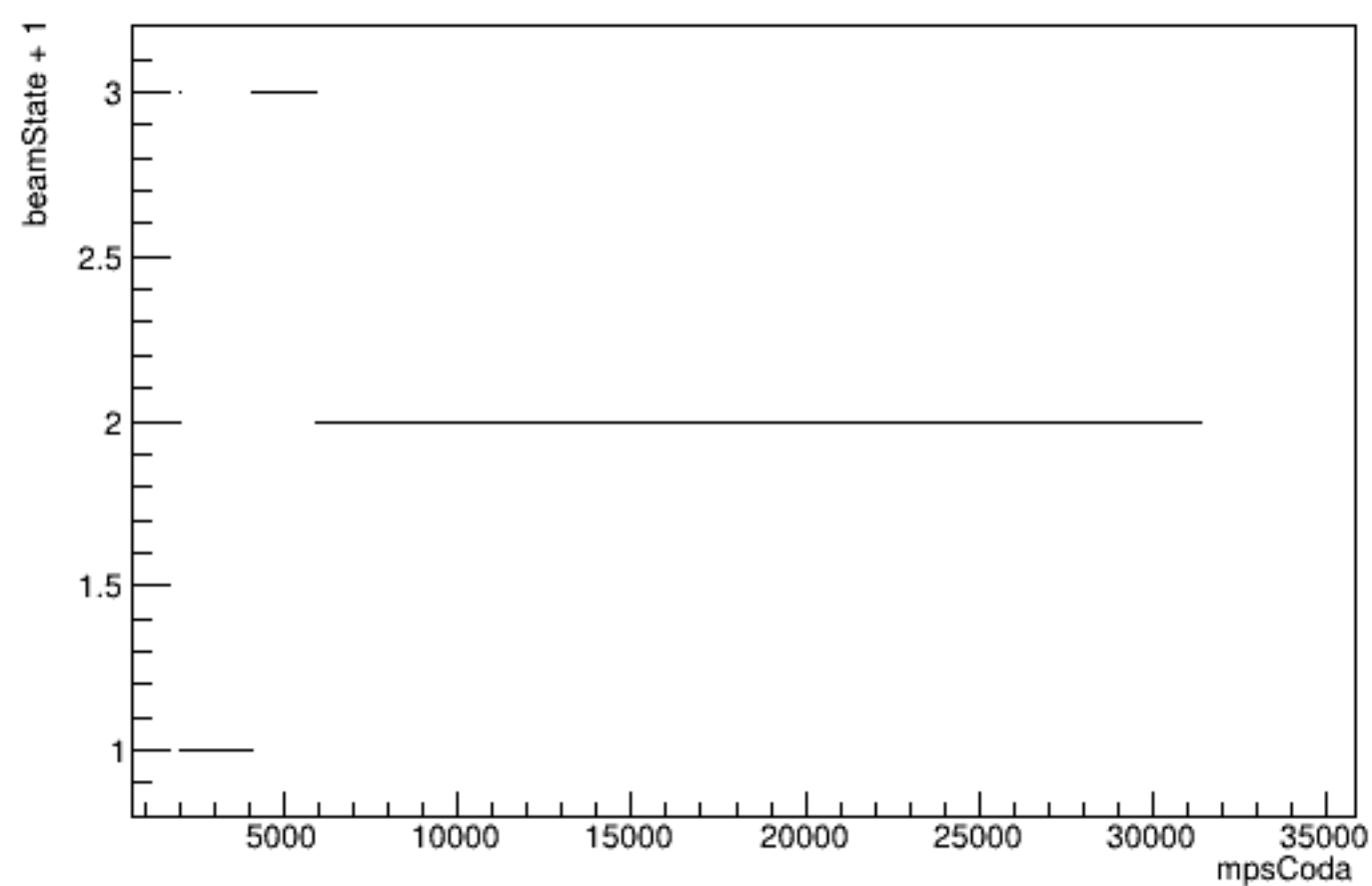
Acc0/NAcc0:mpsCoda {mpsCoda>=584 && mpsCoda<=31371 && beamState==1}



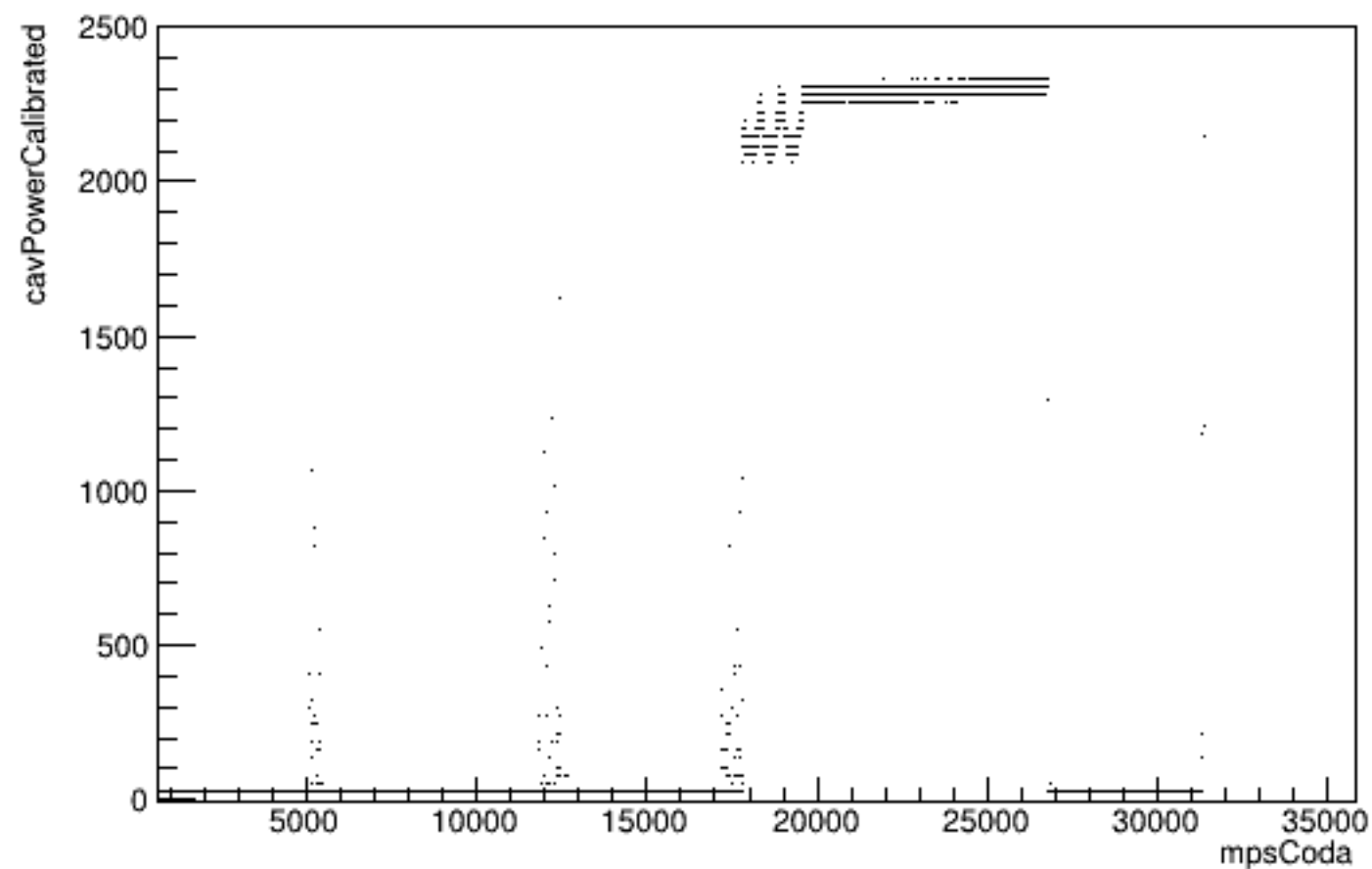
laserState:mpsCoda {mpsCoda&gt;=584 &amp;&amp; mpsCoda&lt;=31371}



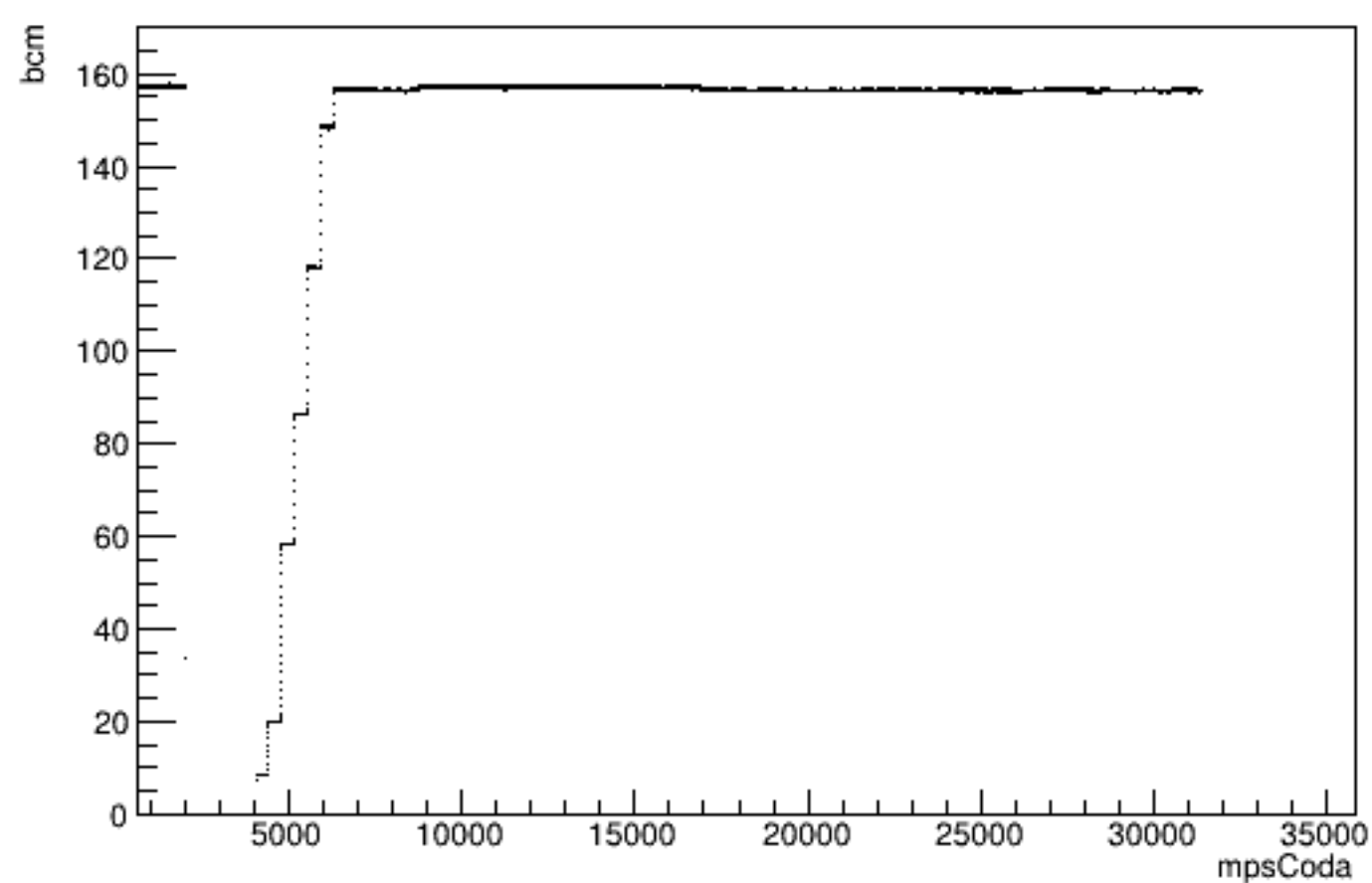
beamState + 1:mpsCoda {mpsCoda&gt;=584 &amp;&amp; mpsCoda&lt;=31371}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=584 &amp;&amp; mpsCoda&lt;=31371}



bcm:mpsCoda {mpsCoda&gt;=584 &amp;&amp; mpsCoda&lt;=31371}



## Cycle 2, Diffs

**Entries: 1137**

**Mean: 0.0163 +/- 0.0166**

**Std Dev: 0.5604 +/- 0.0118**

**Entries: 1472**

**Mean: 0.9456 +/- 0.0257**

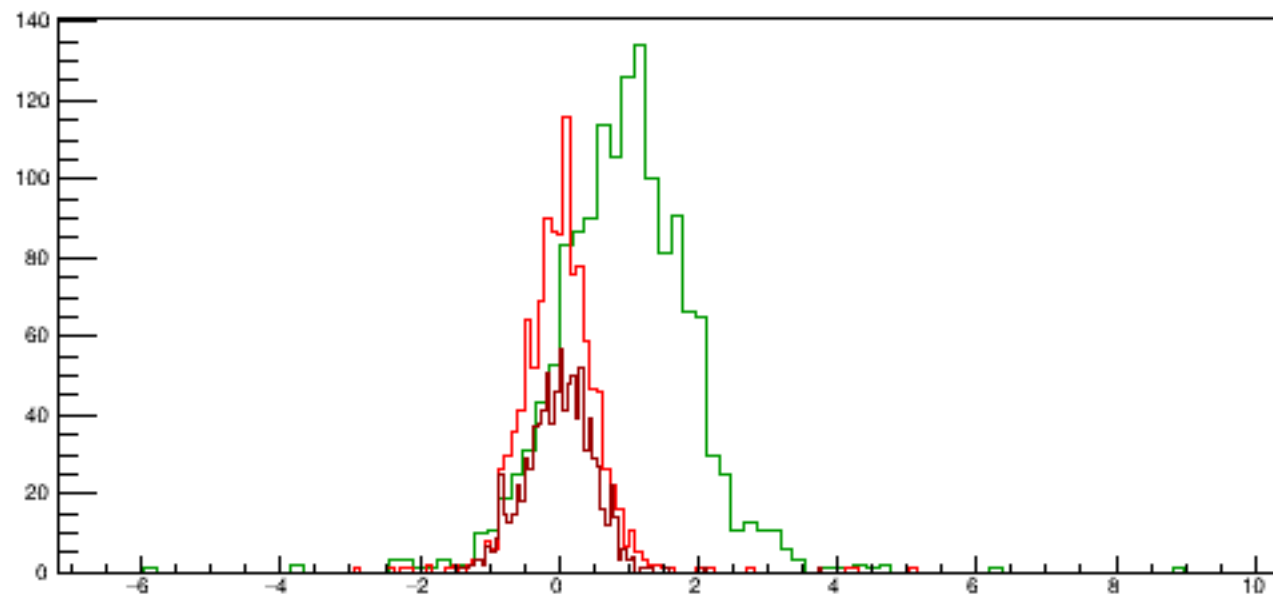
**Std Dev: 0.9869 +/- 0.0182**

**Entries: 947**

**Mean: 0.0023 +/- 0.0159**

**Std Dev: 0.4892 +/- 0.0112**

Run 4979 quartetwise, Diffs



## Cycle 2, Sums

**Entries: 1137**

**Mean: 8.2531 +/- 0.0355**

**Std Dev: 1.1971 +/- 0.0251**

**Entries: 1472**

**Mean: 38.7540 +/- 0.0533**

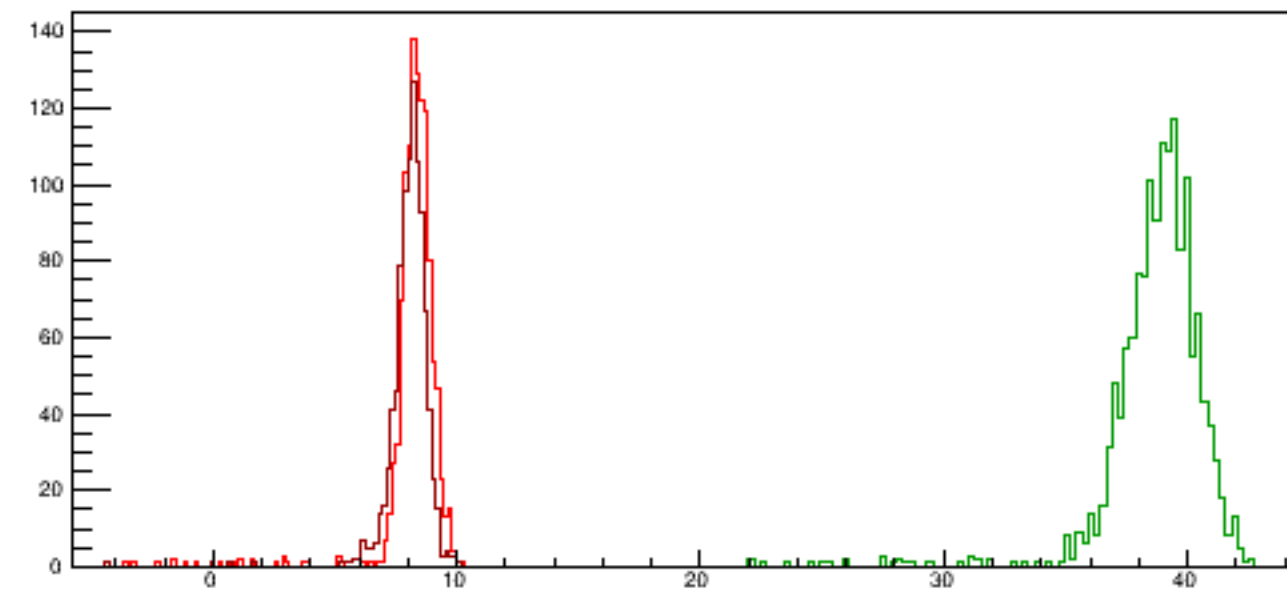
**Std Dev: 2.0437 +/- 0.0377**

**Entries: 947**

**Mean: 8.0576 +/- 0.0279**

**Std Dev: 0.8596 +/- 0.0198**

Run 4979 quartetwise, Sums



## Cycle 2, Asyms

**Entries: 1137**

**Mean: 0.0005 +/- 0.0005**

**Std Dev: 0.0183 +/- 0.0004**

**Entries: 1472**

**Mean: 0.0311 +/- 0.0010**

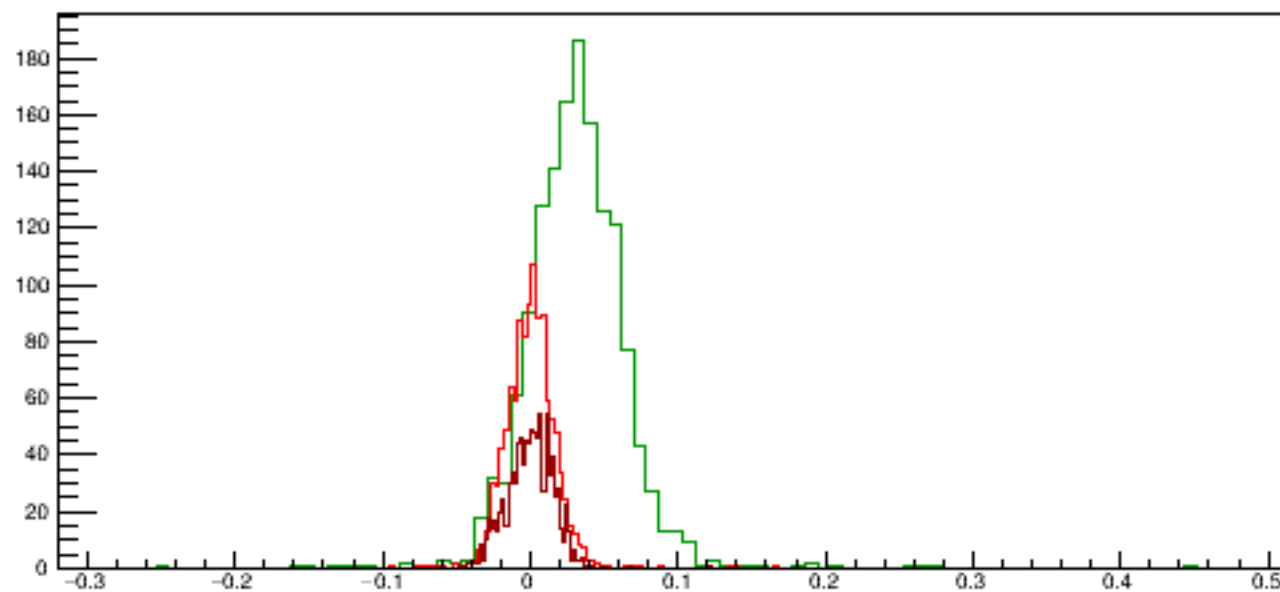
**Std Dev: 0.0365 +/- 0.0007**

**Entries: 947**

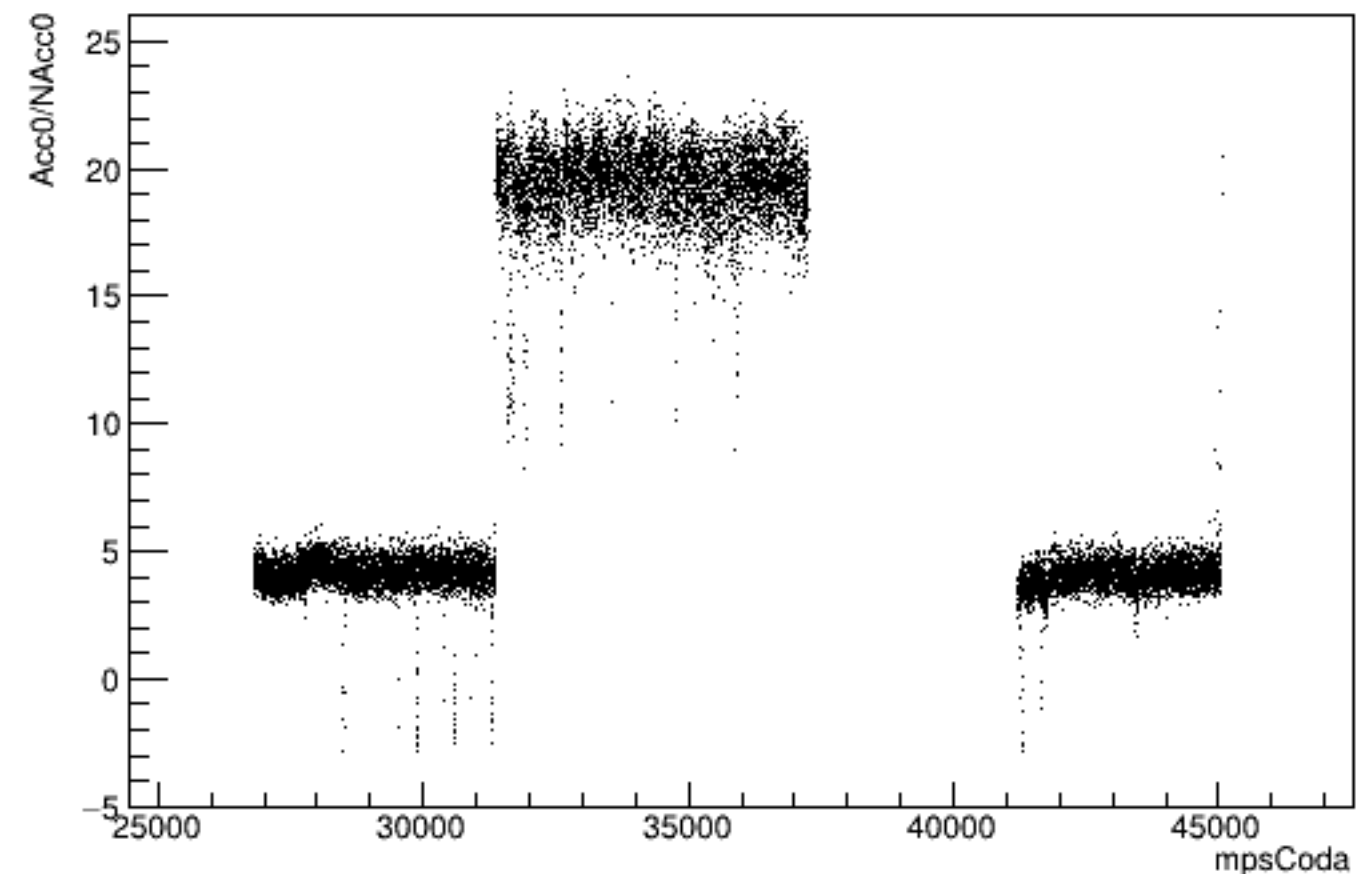
**Mean: 0.0001 +/- 0.0005**

**Std Dev: 0.0160 +/- 0.0004**

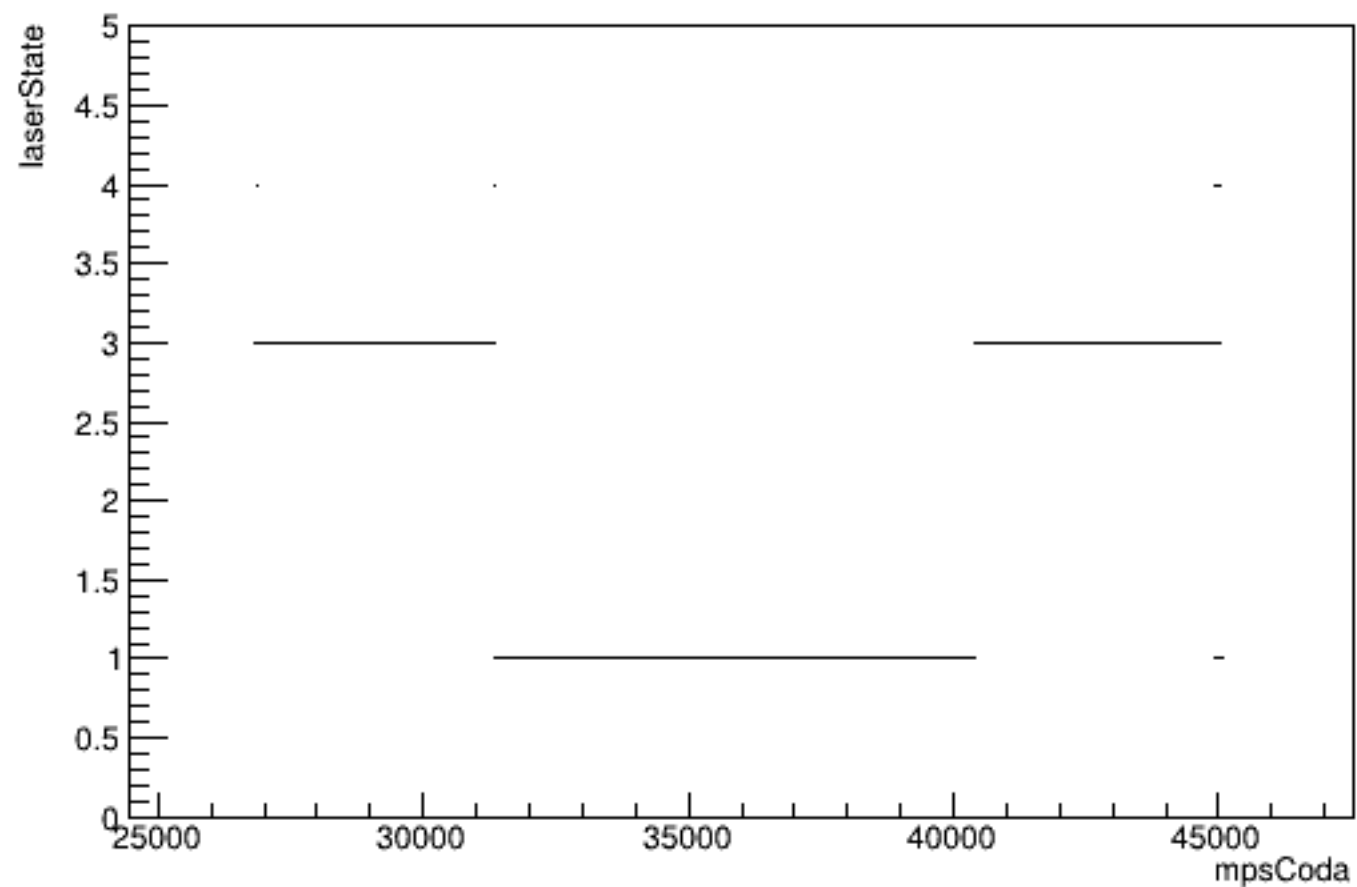
Run 4979 quartetwise, Asyms



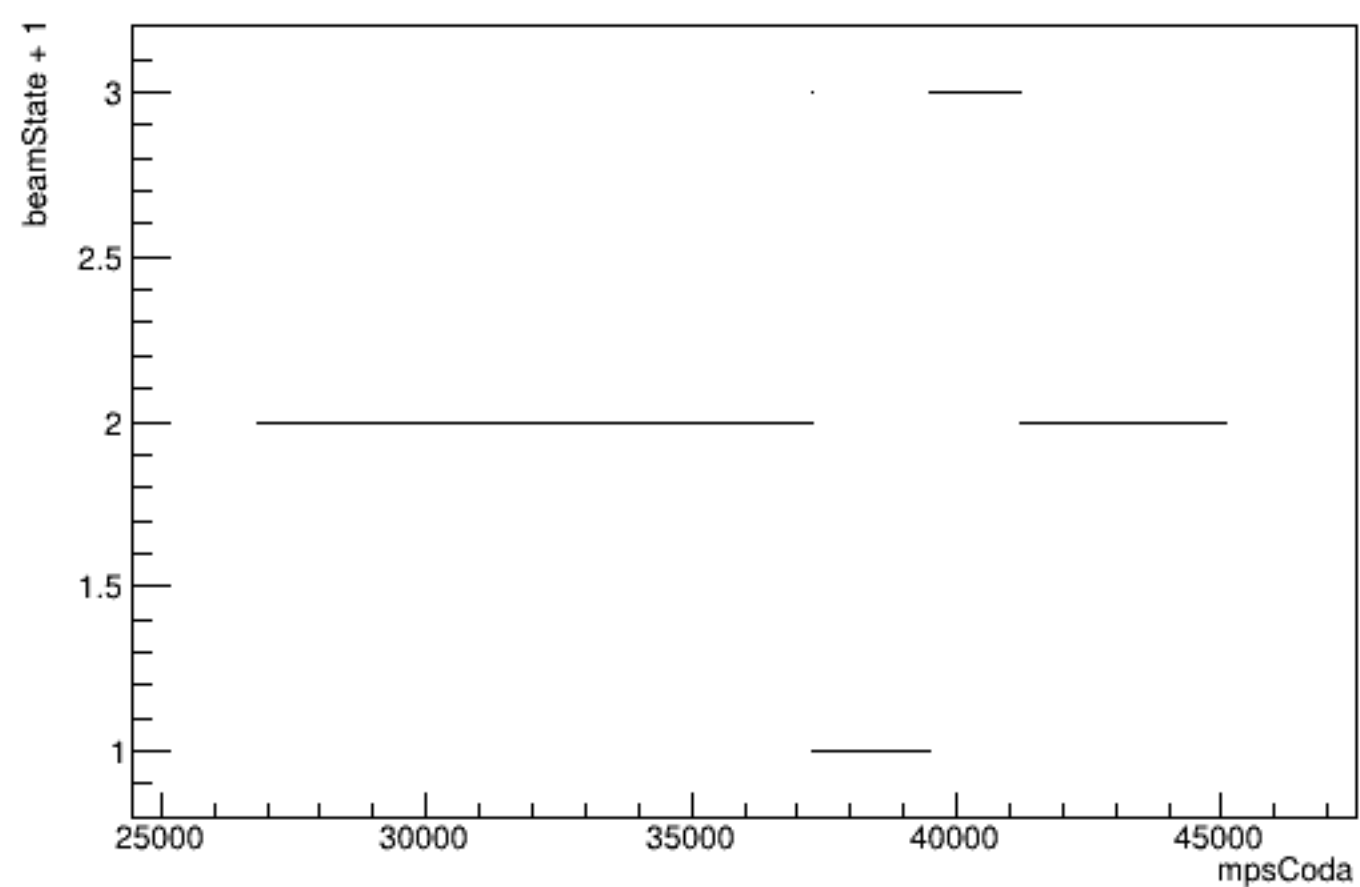
Acc0/NAcc0:mpsCoda {mpsCoda>=26808 && mpsCoda<=45055 && beamState==1}



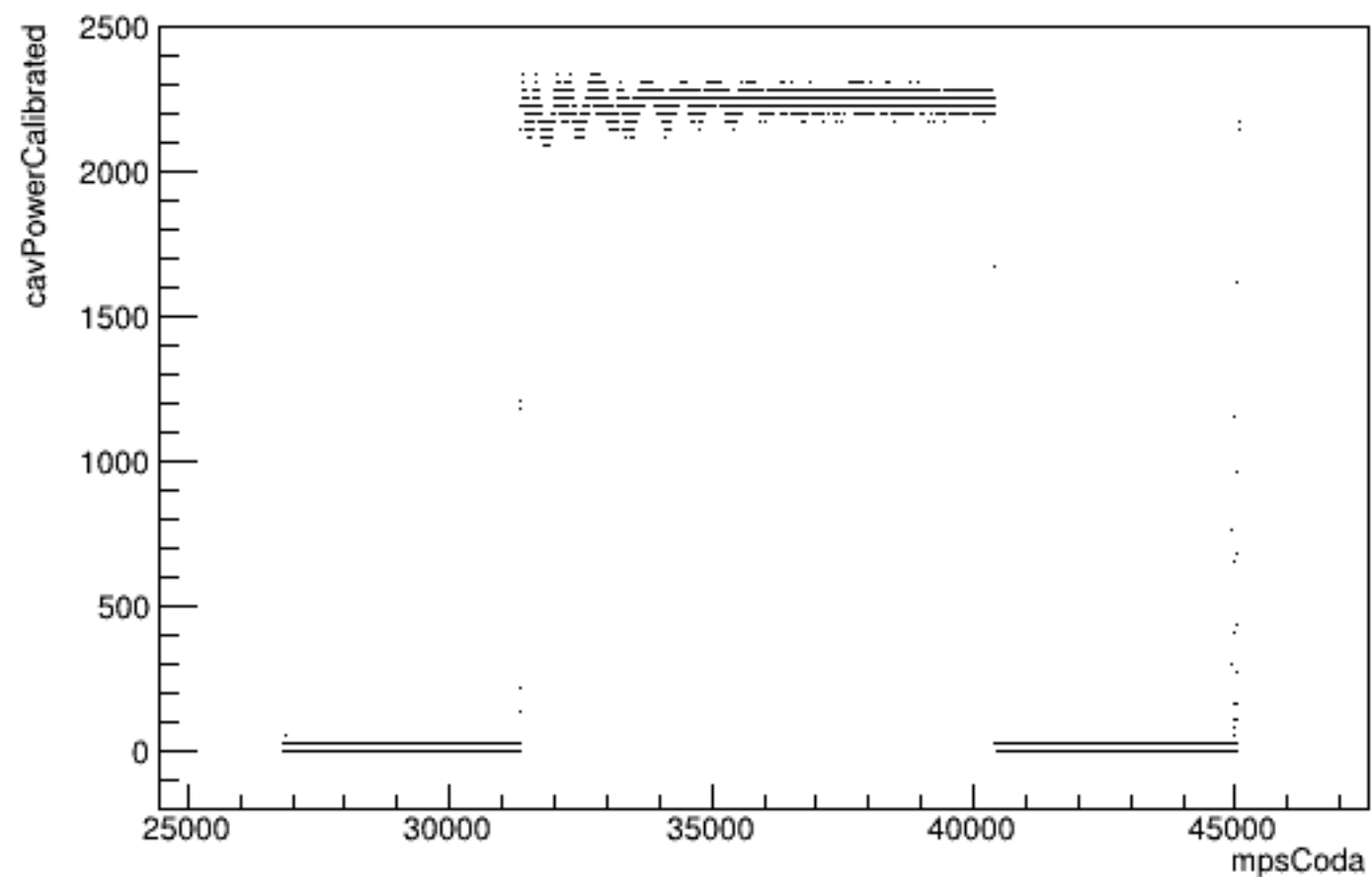
laserState:mpsCoda {mpsCoda&gt;=26808 &amp;&amp; mpsCoda&lt;=45055}



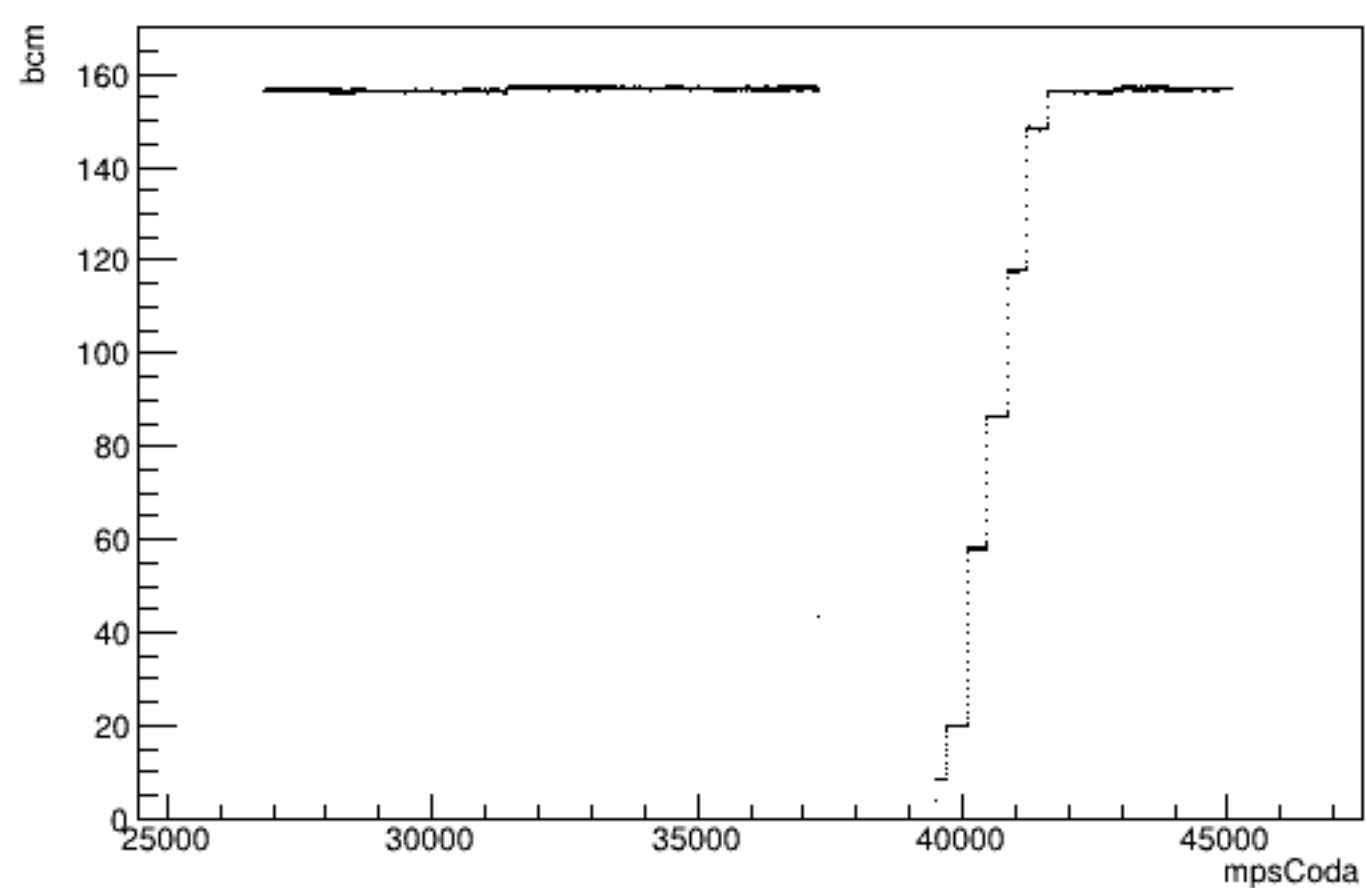
beamState + 1:mpsCoda {mpsCoda&gt;=26808 &amp;&amp; mpsCoda&lt;=45055}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=26808 &amp;&amp; mpsCoda&lt;=45055}



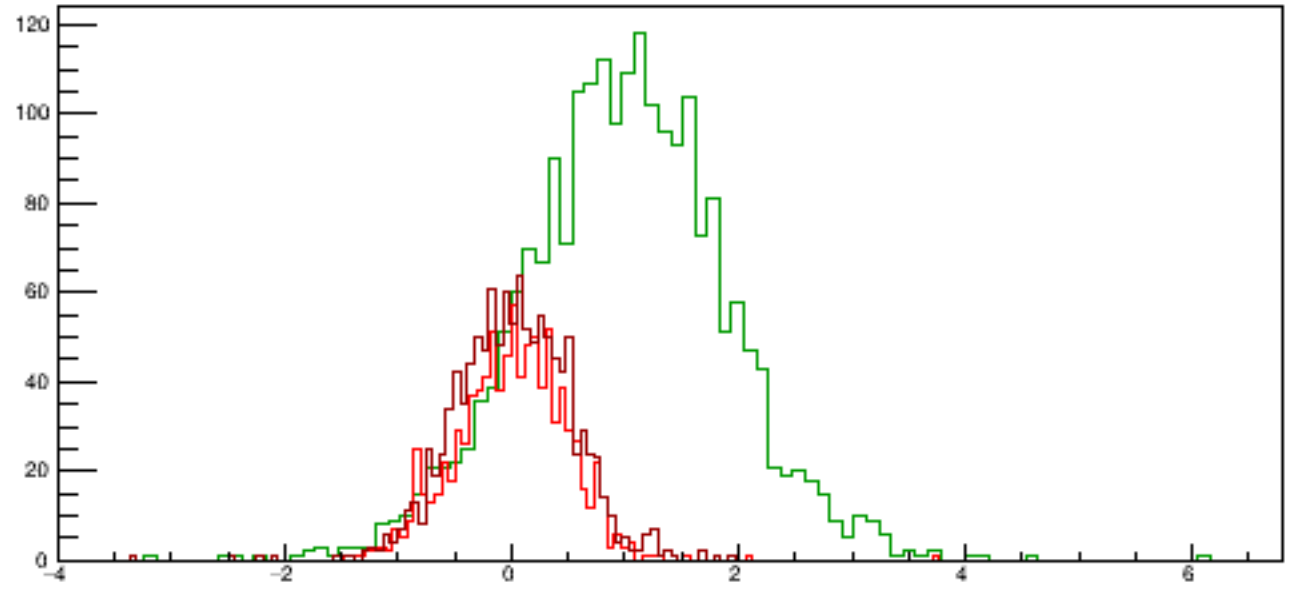
bcm:mpsCoda {mpsCoda&gt;=26808 &amp;&amp; mpsCoda&lt;=45055}



# Cycle 3, Diffs

<b>Entries: 947</b> <b>Mean: 0.0023 +/- 0.0159</b> <b>Std Dev: 0.4892 +/- 0.0112</b>	<b>Entries: 2174</b> <b>Mean: 0.9836 +/- 0.0193</b> <b>Std Dev: 0.9018 +/- 0.0137</b>	<b>Entries: 1170</b> <b>Mean: 0.0131 +/- 0.0151</b> <b>Std Dev: 0.5156 +/- 0.0107</b>
--	---	---

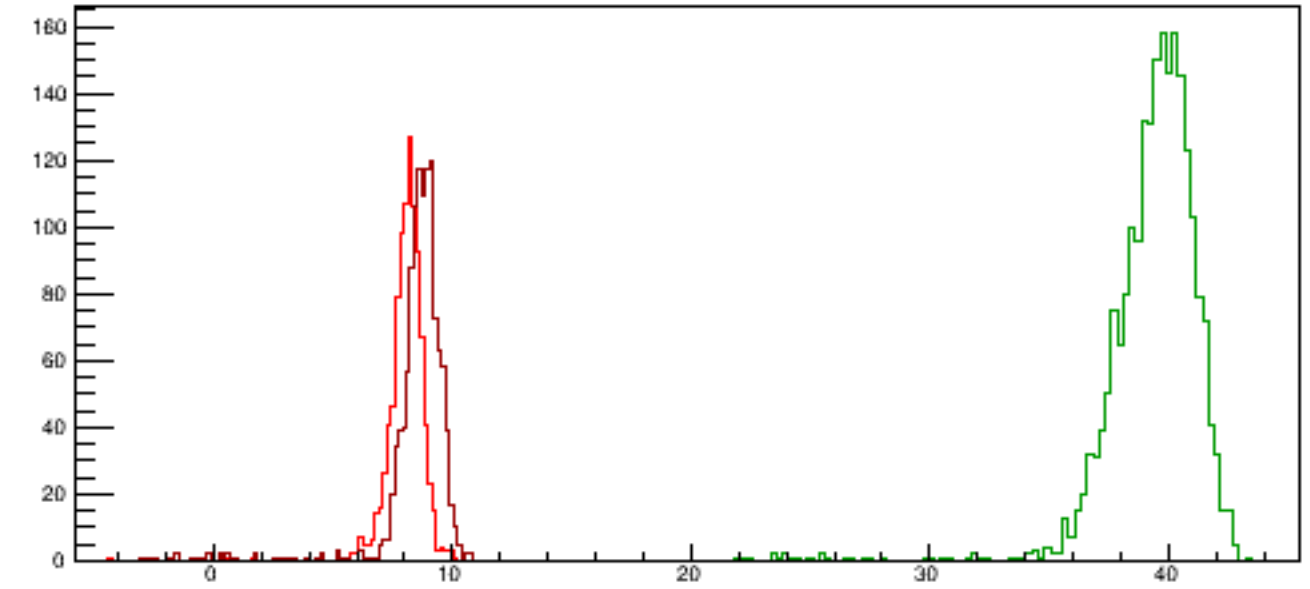
Run 4979 quartetwise, Diffs



# Cycle 3, Sums

<b>Entries: 947</b> <b>Mean: 8.0576 +/- 0.0279</b> <b>Std Dev: 0.8596 +/- 0.0198</b>	<b>Entries: 2174</b> <b>Mean: 39.3588 +/- 0.0446</b> <b>Std Dev: 2.0790 +/- 0.0315</b>	<b>Entries: 1170</b> <b>Mean: 8.5708 +/- 0.0410</b> <b>Std Dev: 1.4010 +/- 0.0290</b>
--	--	---

Run 4979 quartetwise, Sums

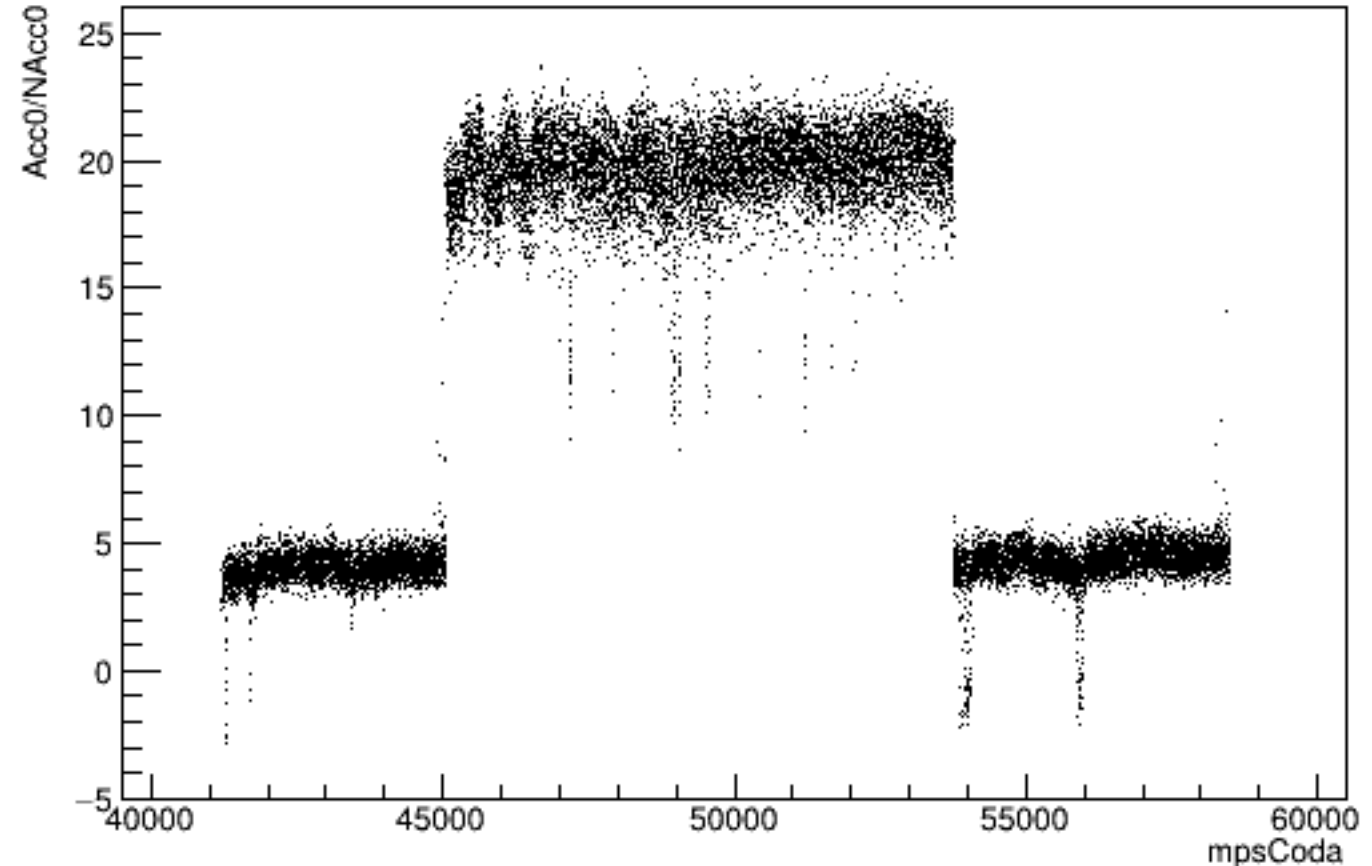
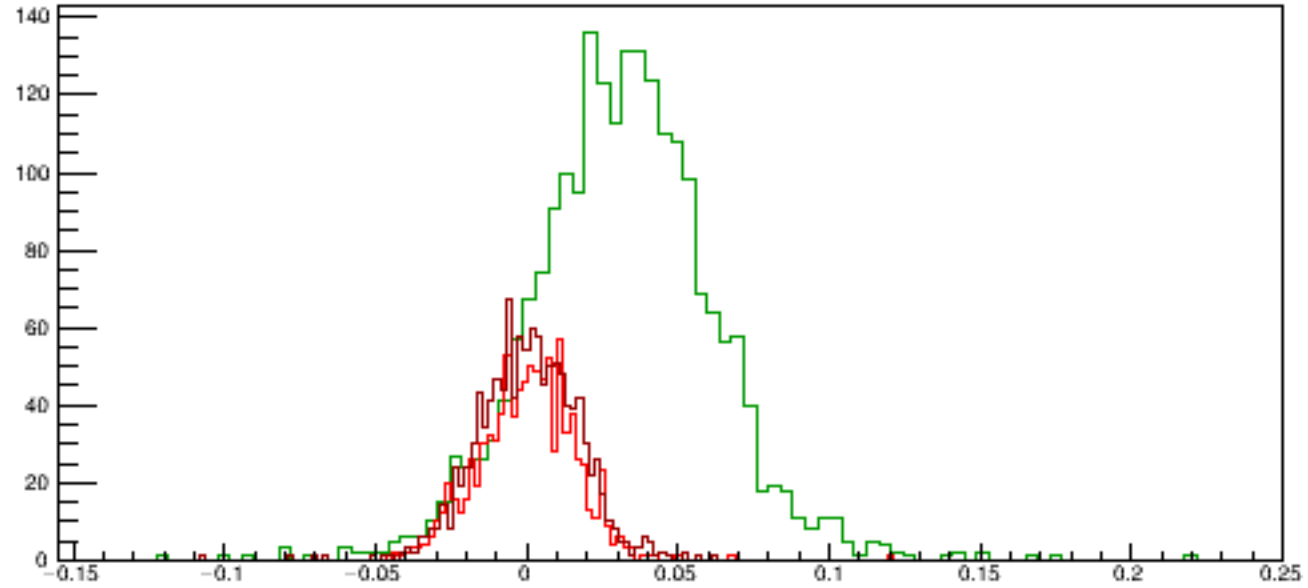


Acc0/NAcc0:mpsCoda {mpsCoda>=40408 && mpsCoda<=58491 && beamState==1}

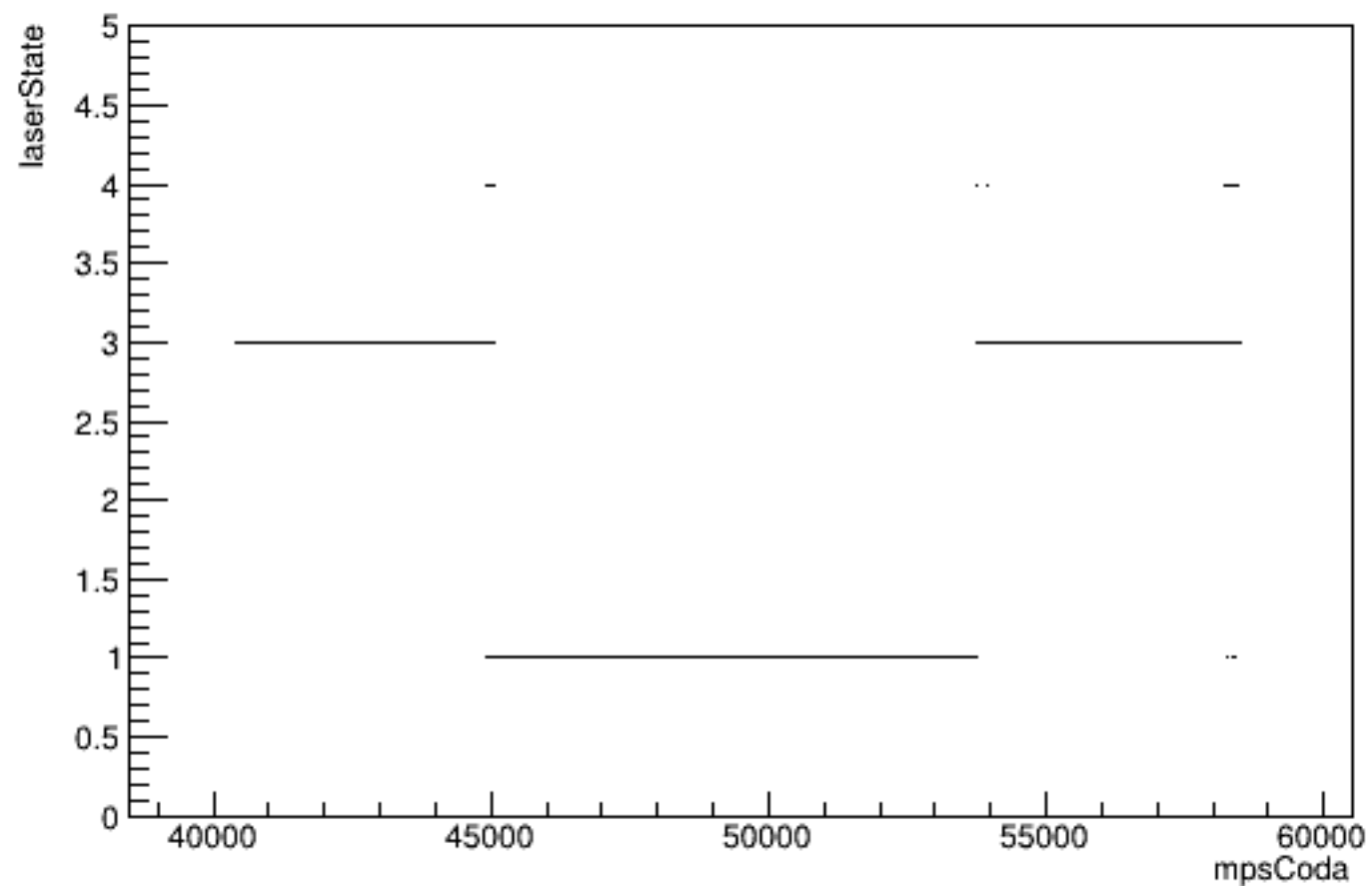
# Cycle 3, Asyms

<b>Entries: 947</b> <b>Mean: 0.0001 +/- 0.0005</b> <b>Std Dev: 0.0158 +/- 0.0004</b>	<b>Entries: 2174</b> <b>Mean: 0.0318 +/- 0.0006</b> <b>Std Dev: 0.0302 +/- 0.0005</b>	<b>Entries: 1170</b> <b>Mean: 0.0004 +/- 0.0005</b> <b>Std Dev: 0.0166 +/- 0.0003</b>
--	---	---

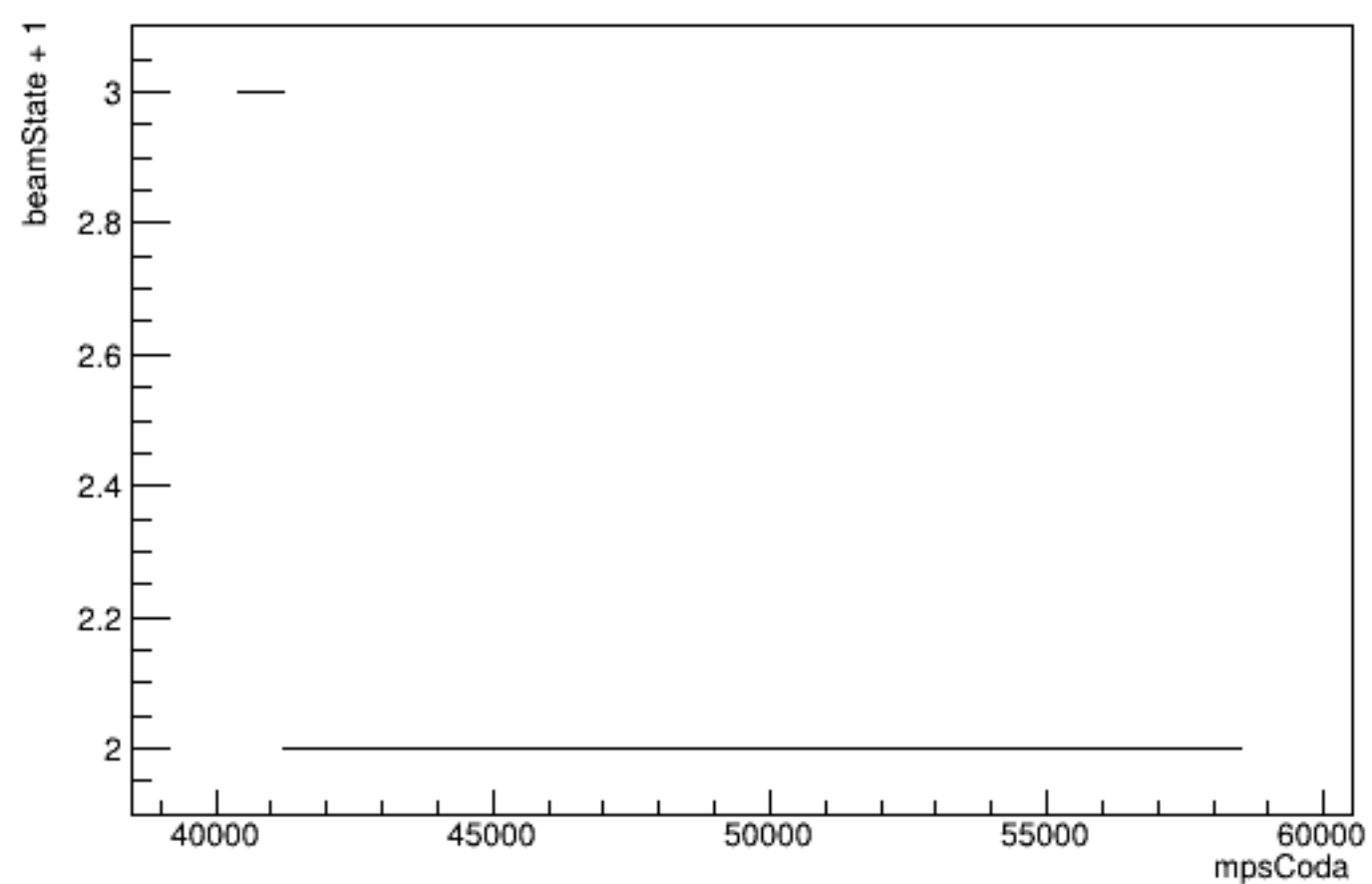
Run 4979 quartetwise, Asyms



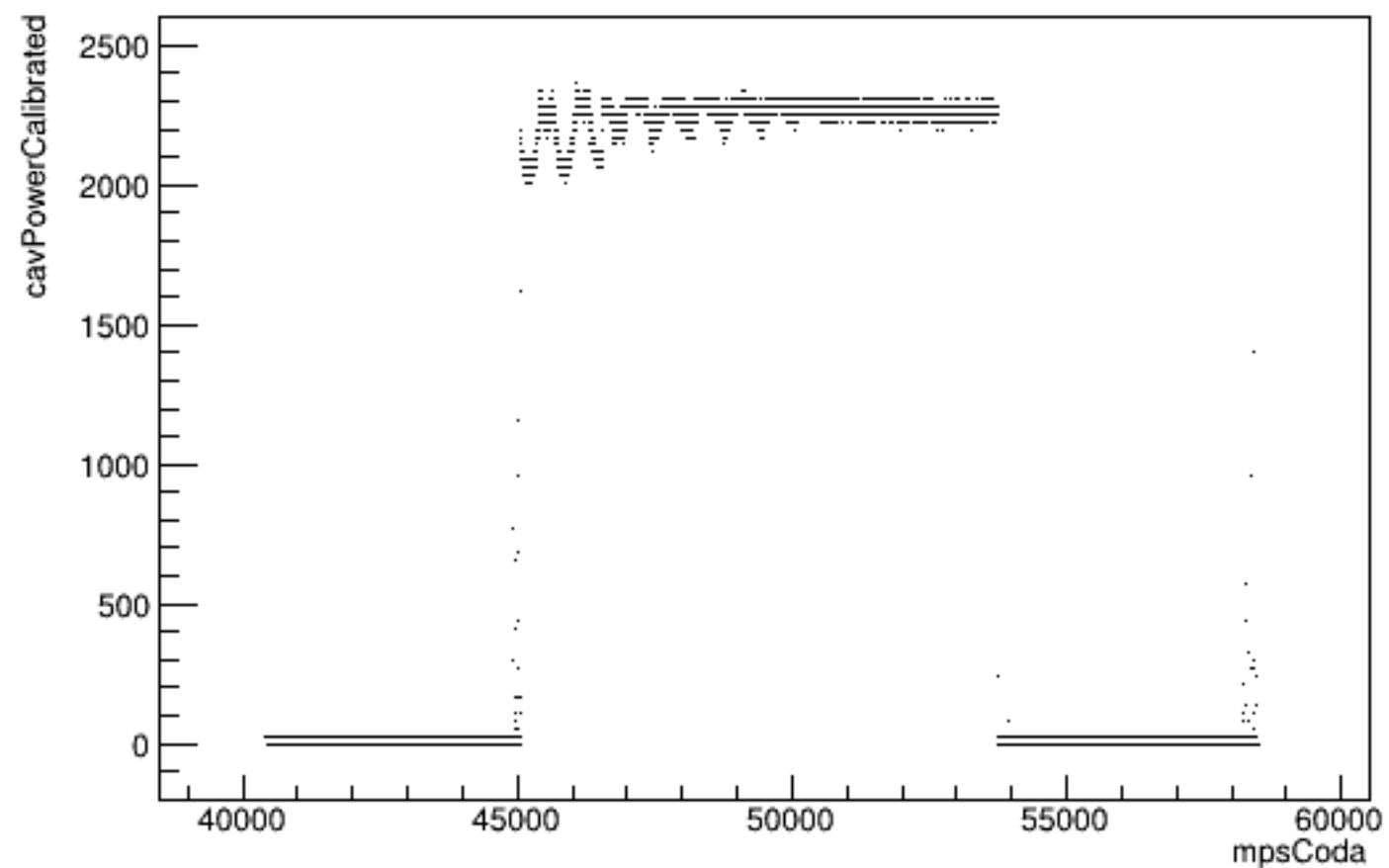
laserState:mpsCoda {mpsCoda&gt;=40408 &amp;&amp; mpsCoda&lt;=58491}



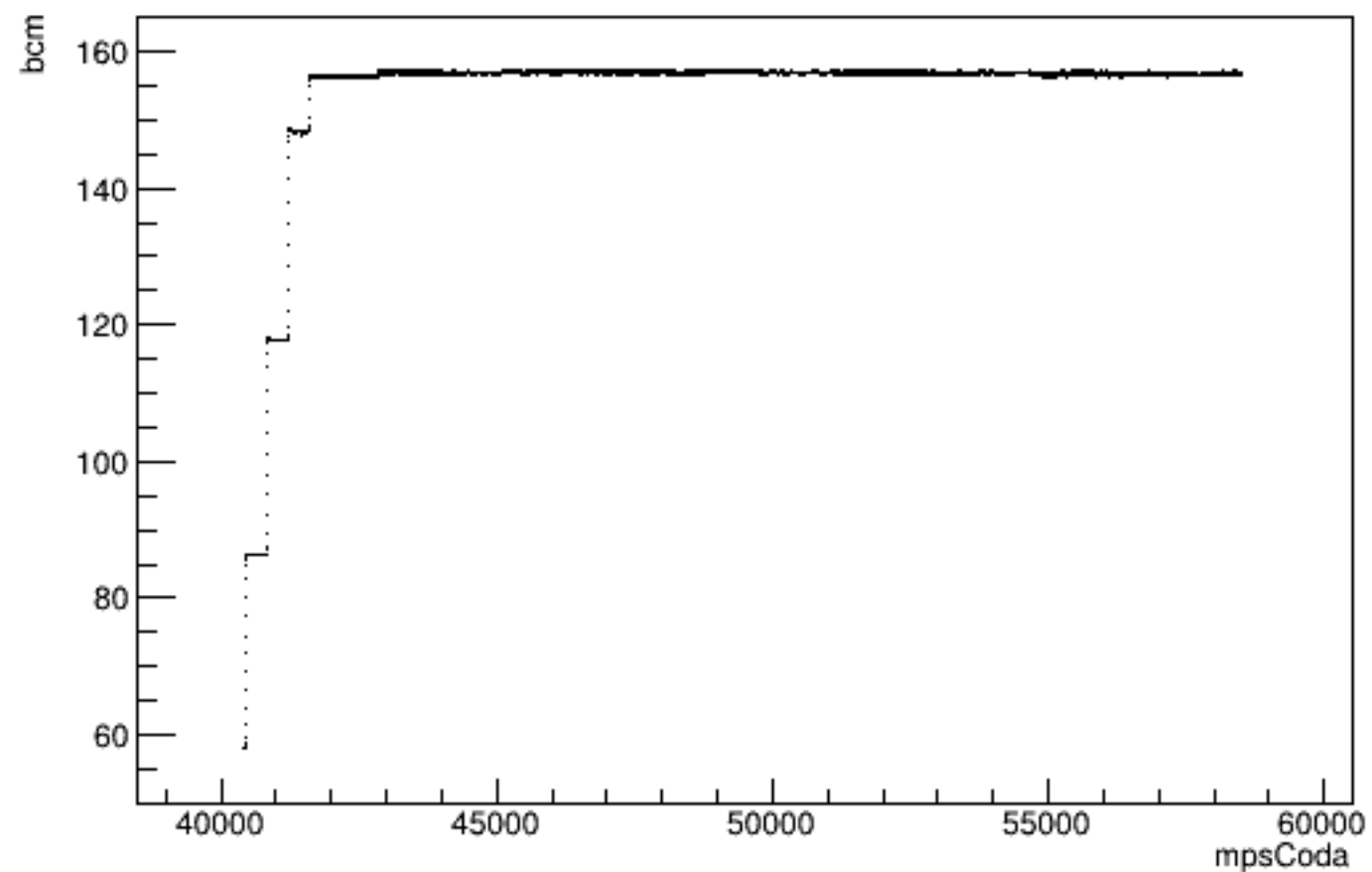
beamState + 1:mpsCoda {mpsCoda&gt;=40408 &amp;&amp; mpsCoda&lt;=58491}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=40408 &amp;&amp; mpsCoda&lt;=58491}



bcm:mpsCoda {mpsCoda&gt;=40408 &amp;&amp; mpsCoda&lt;=58491}



# Cycle 4, Diffs

**Entries: 2950**

**Mean: -0.0006 +/- 0.0088**

**Std Dev: 0.4759 +/- 0.0062**

**Entries: 2306**

**Mean: 0.9985 +/- 0.0175**

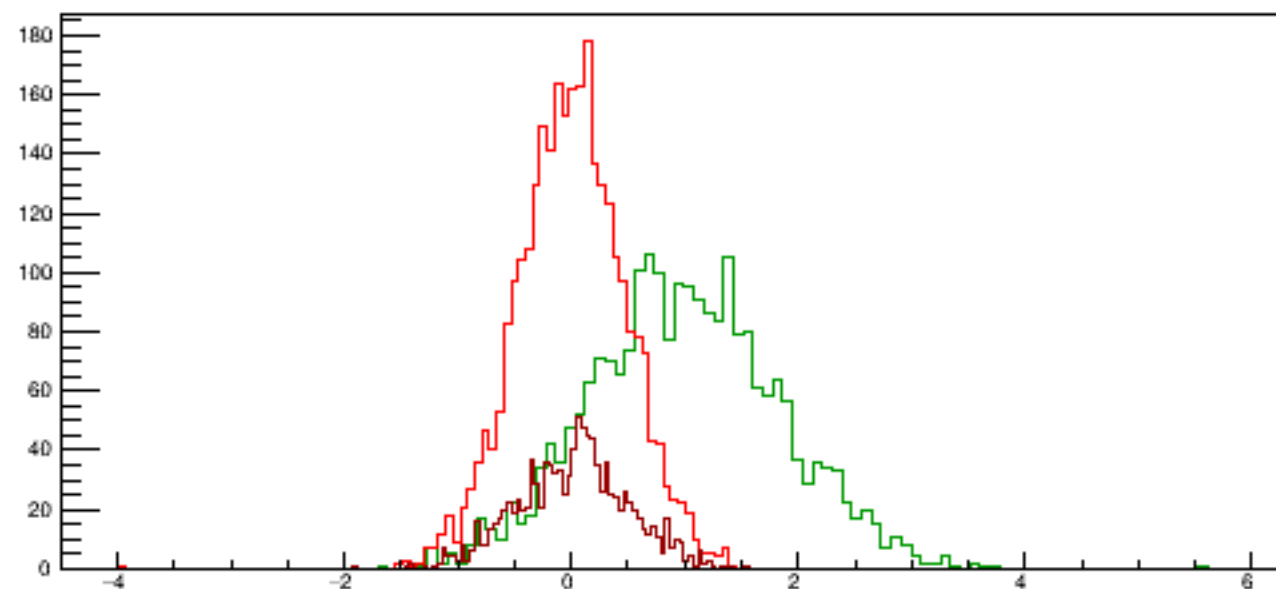
**Std Dev: 0.8384 +/- 0.0123**

**Entries: 1125**

**Mean: 0.0133 +/- 0.0147**

**Std Dev: 0.4946 +/- 0.0104**

Run 4979 quartetwise, Diffs



# Cycle 4, Sums

**Entries: 2950**

**Mean: 8.6762 +/- 0.0115**

**Std Dev: 0.6243 +/- 0.0081**

**Entries: 2306**

**Mean: 40.3942 +/- 0.0268**

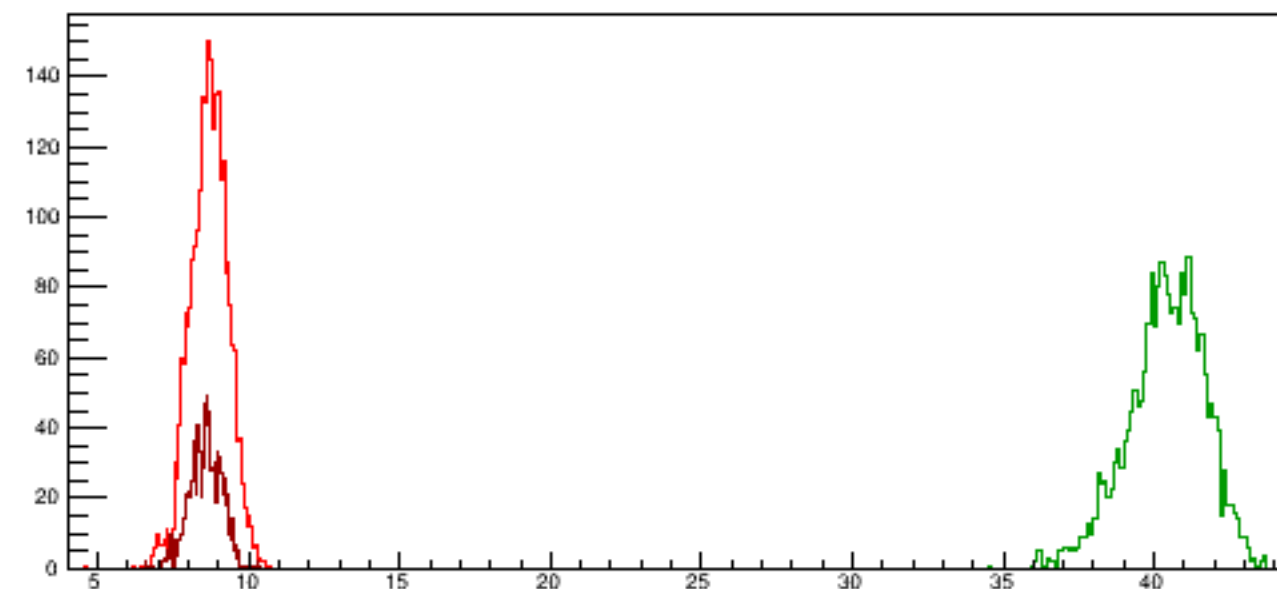
**Std Dev: 1.2858 +/- 0.0189**

**Entries: 1125**

**Mean: 8.5669 +/- 0.0165**

**Std Dev: 0.5532 +/- 0.0117**

Run 4979 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=128756 && mpsCoda<=154419 && beamState==1)

# Cycle 4, Asyms

**Entries: 2950**

**Mean: -0.0000 +/- 0.0003**

**Std Dev: 0.0150 +/- 0.0002**

**Entries: 2306**

**Mean: 0.0315 +/- 0.0006**

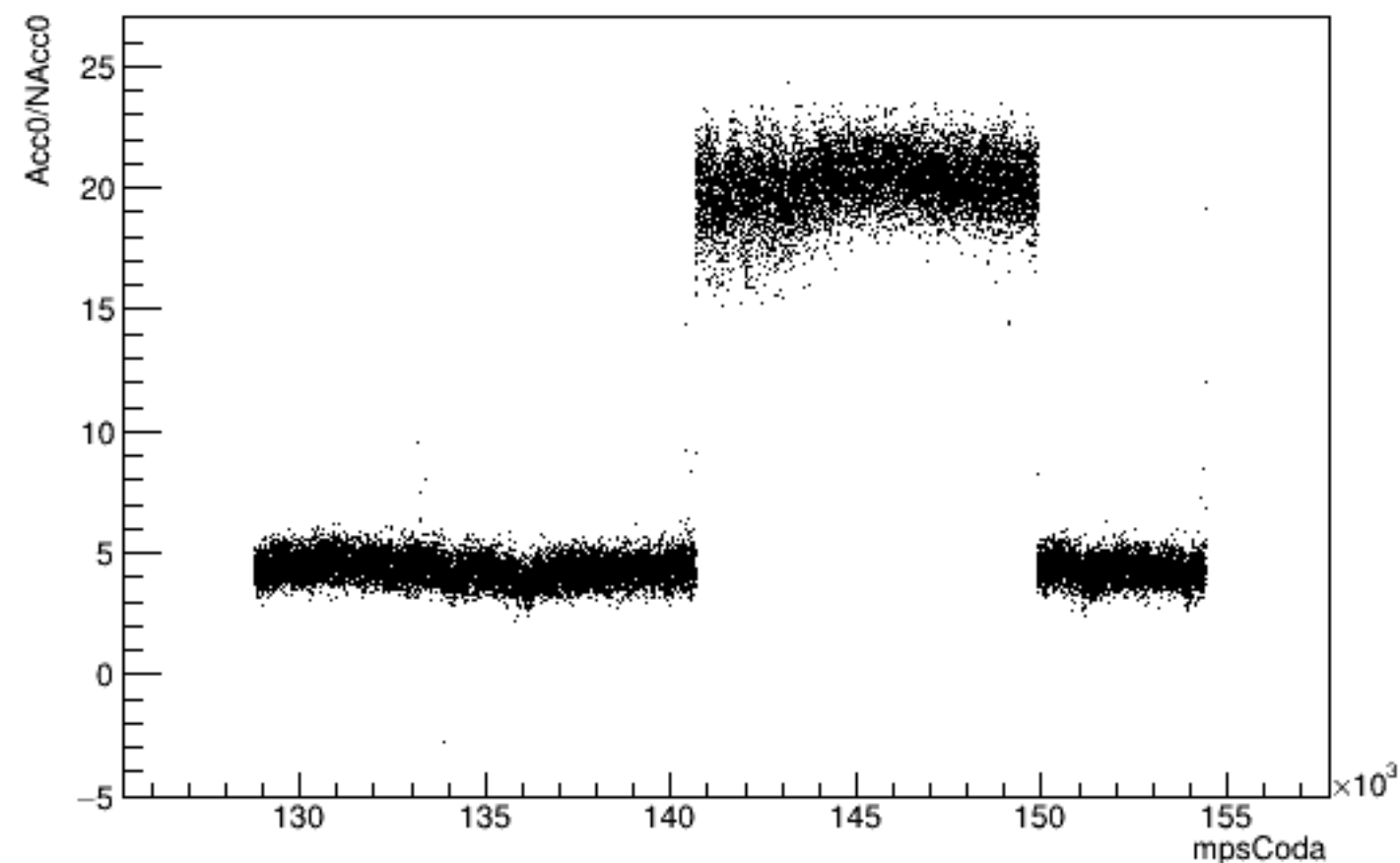
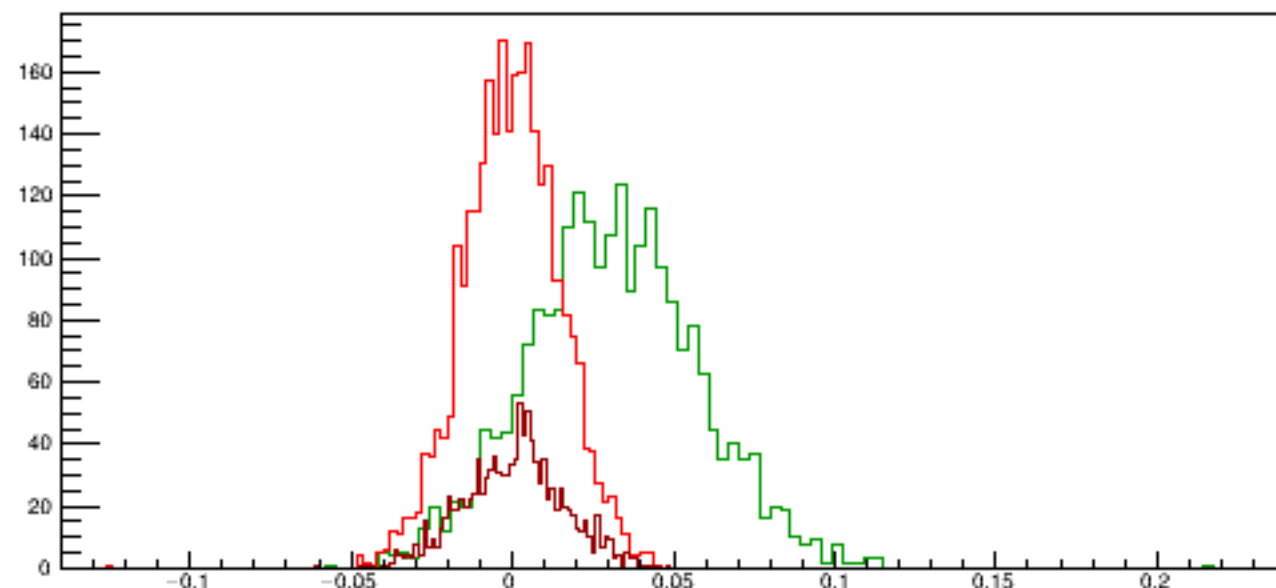
**Std Dev: 0.0267 +/- 0.0004**

**Entries: 1125**

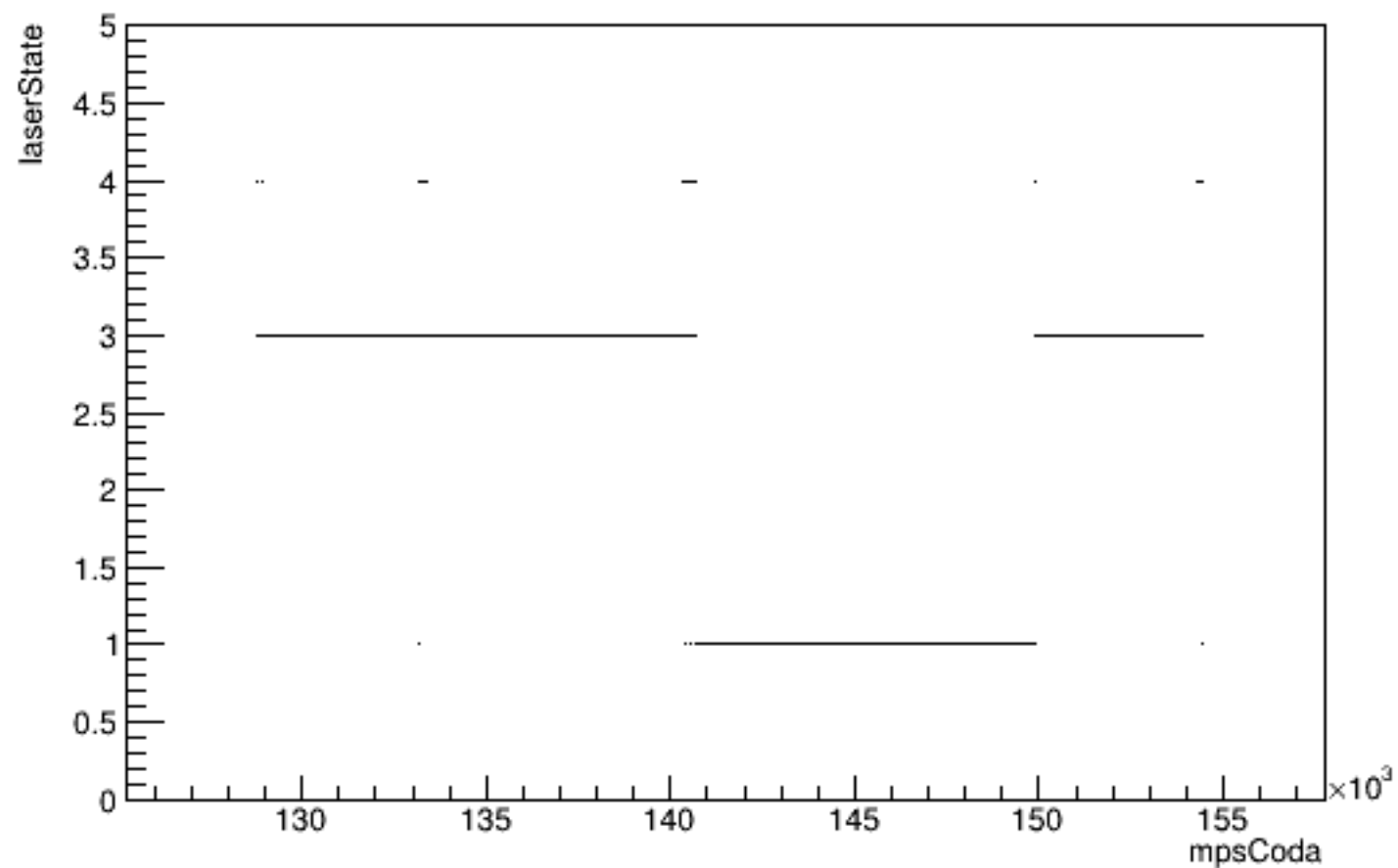
**Mean: 0.0004 +/- 0.0005**

**Std Dev: 0.0156 +/- 0.0003**

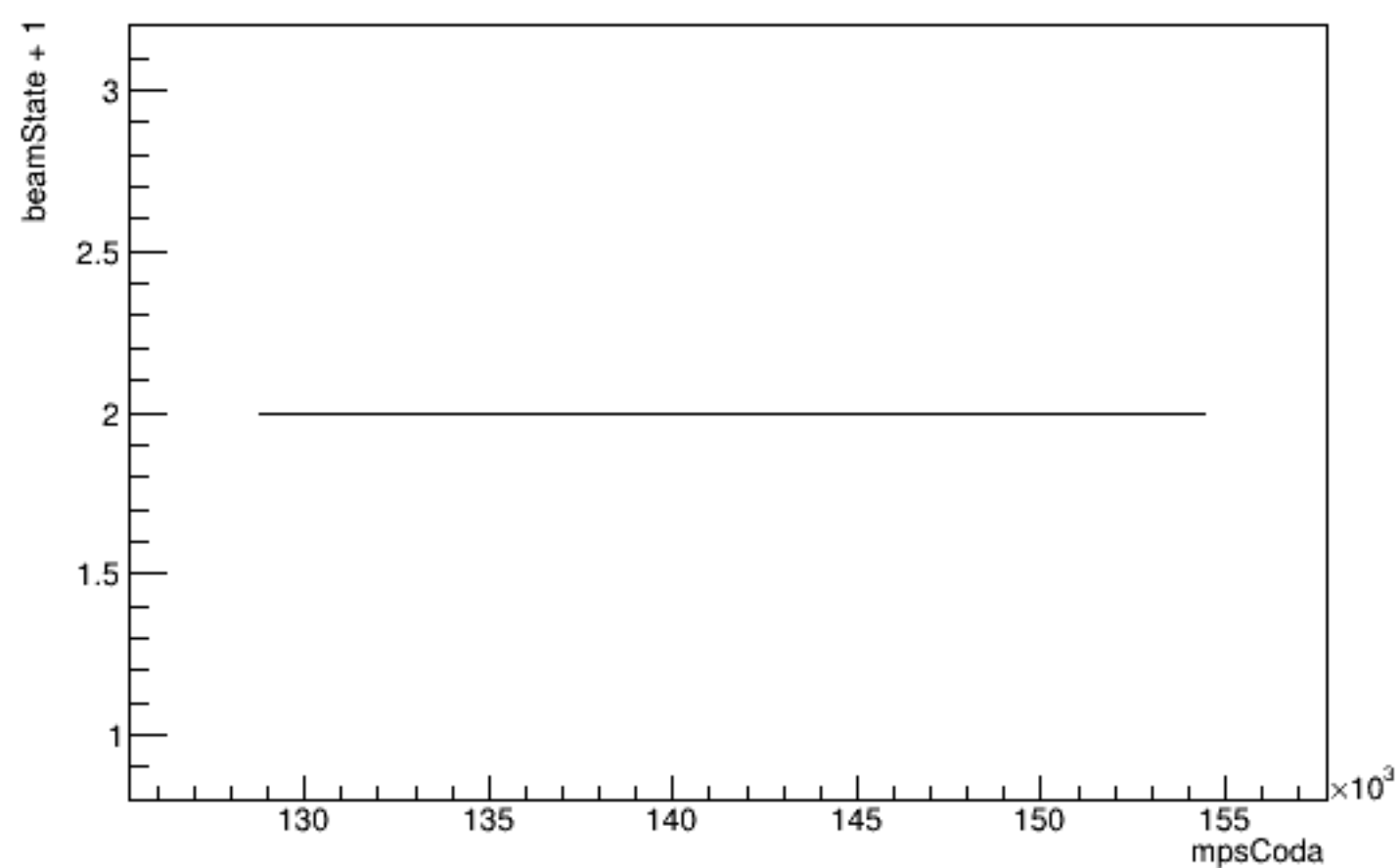
Run 4979 quartetwise, Asyms



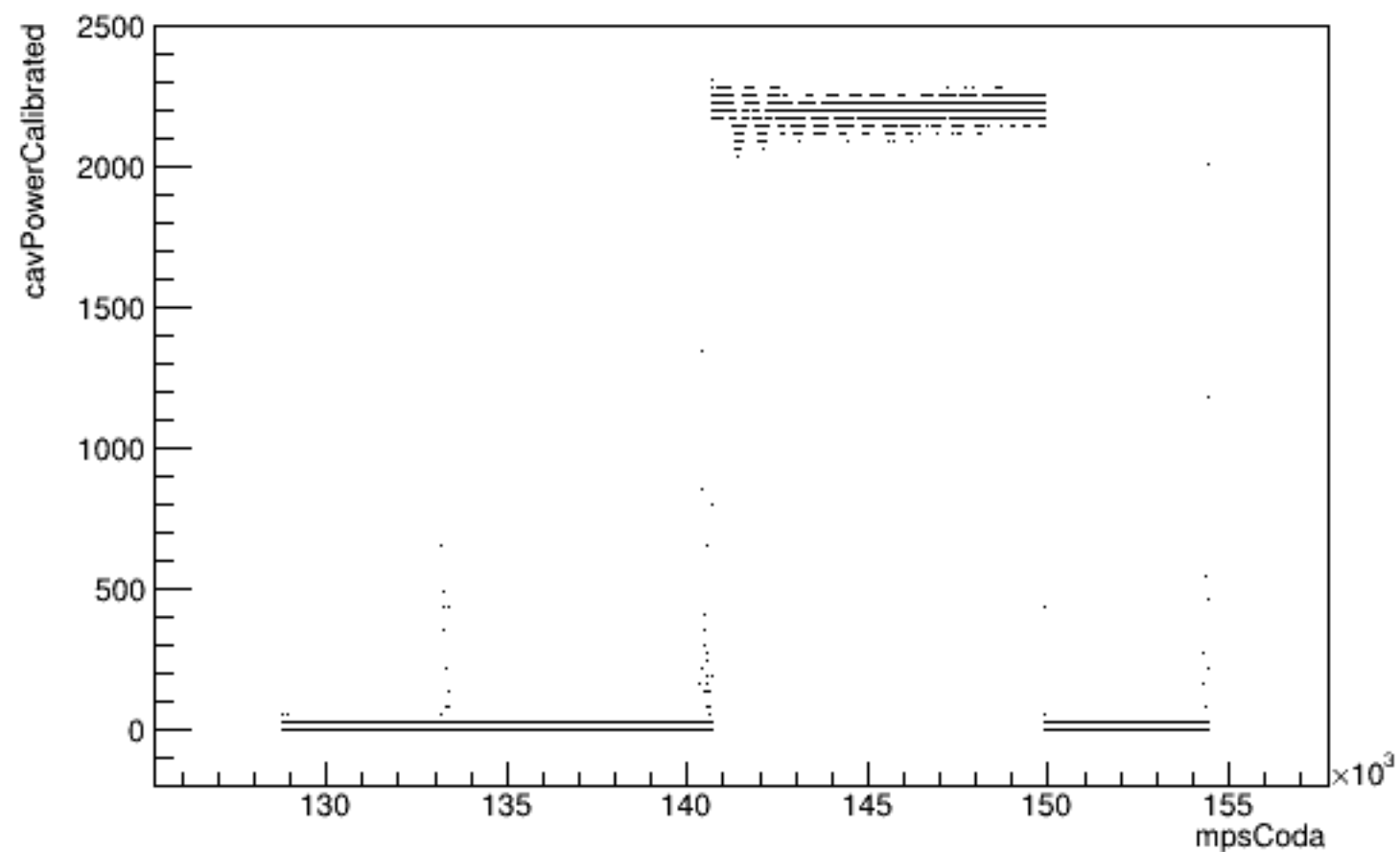
laserState:mpsCoda {mpsCoda&gt;=128756 &amp;&amp; mpsCoda&lt;=154419}



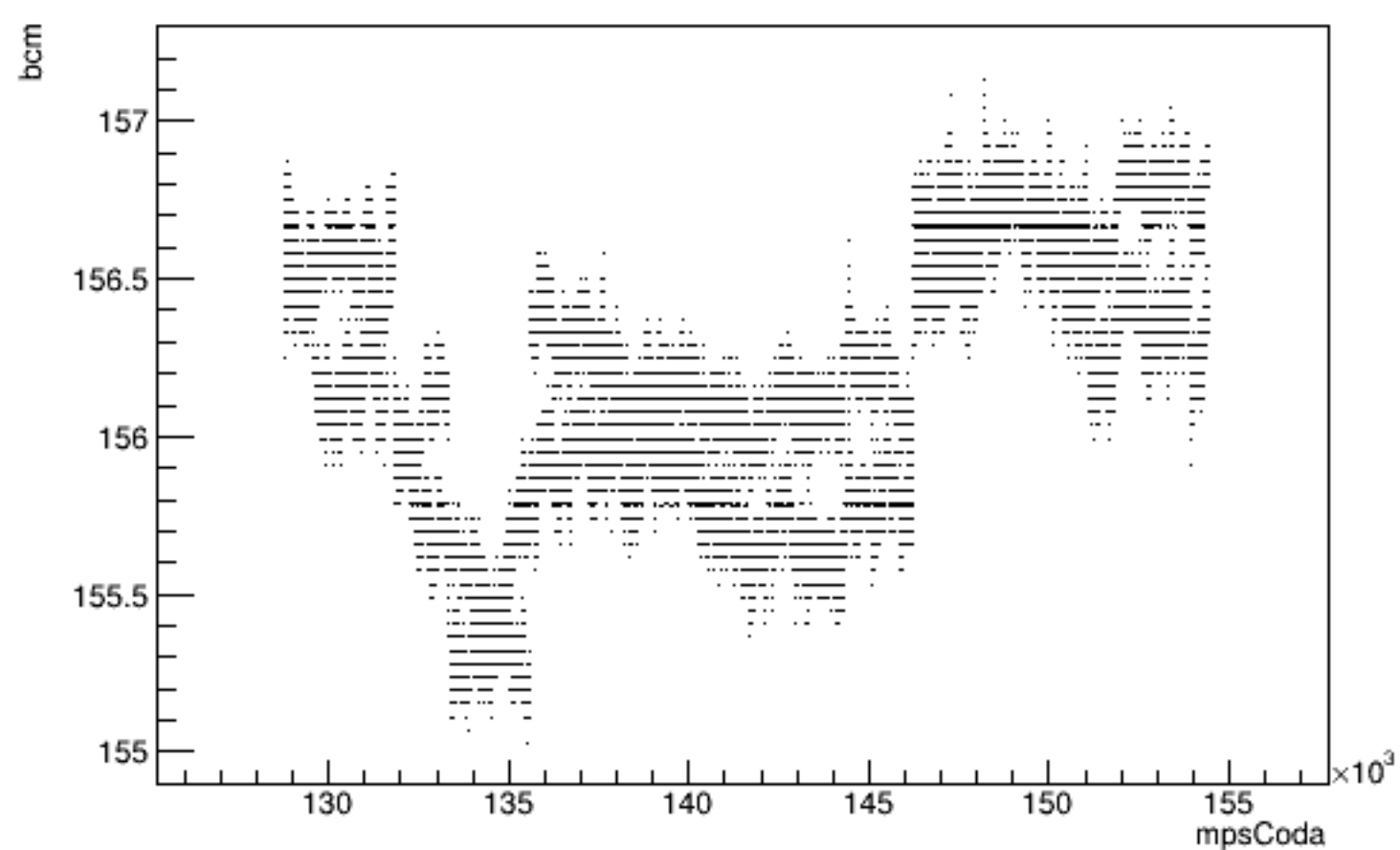
beamState + 1:mpsCoda {mpsCoda&gt;=128756 &amp;&amp; mpsCoda&lt;=154419}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=128756 &amp;&amp; mpsCoda&lt;=154419}



bcm:mpsCoda {mpsCoda&gt;=128756 &amp;&amp; mpsCoda&lt;=154419}





# Cycle 5, Diffs

**Entries: 531**

**Mean: -0.0168 +/- 0.0204**

**Std Dev: 0.4709 +/- 0.0145**

**Entries: 2203**

**Mean: 1.0067 +/- 0.0173**

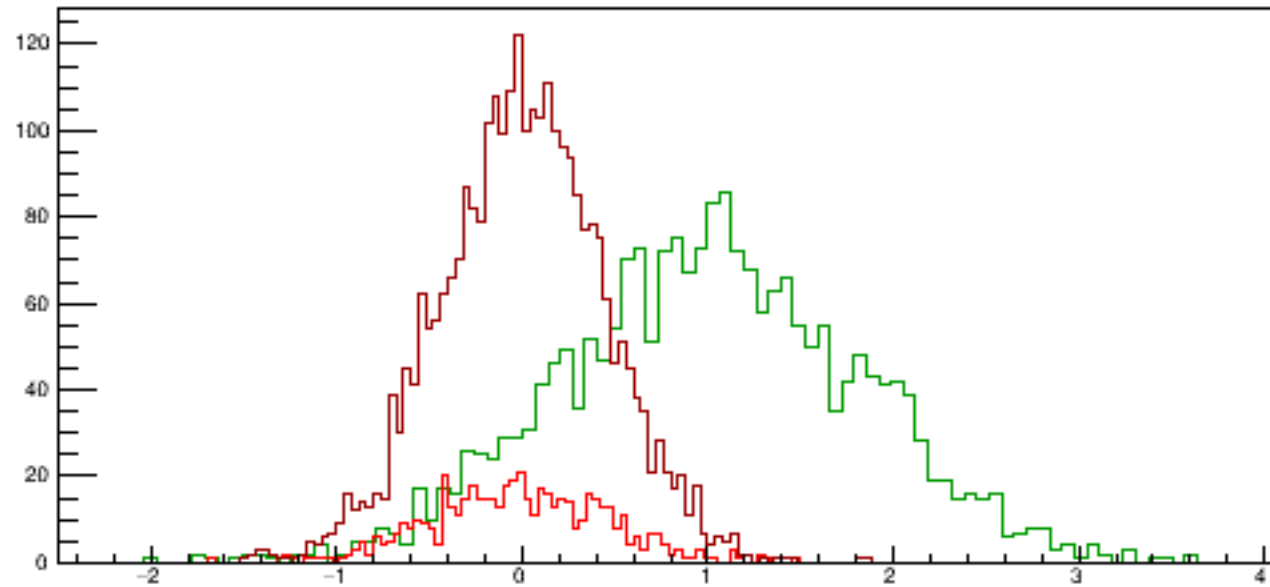
**Std Dev: 0.8127 +/- 0.0122**

**Entries: 2920**

**Mean: 0.0051 +/- 0.0082**

**Std Dev: 0.4405 +/- 0.0058**

Run 4979 quartetwise, Diffs



# Cycle 5, Sums

**Entries: 531**

**Mean: 7.9077 +/- 0.0242**

**Std Dev: 0.5582 +/- 0.0171**

**Entries: 2203**

**Mean: 39.5839 +/- 0.0298**

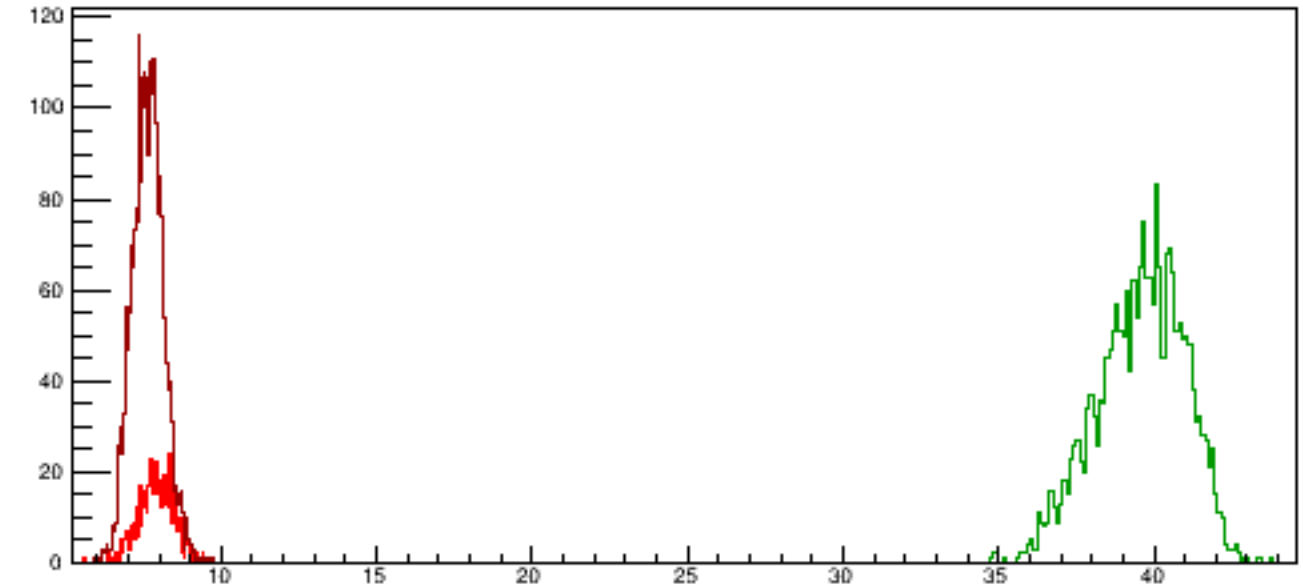
**Std Dev: 1.4000 +/- 0.0211**

**Entries: 2920**

**Mean: 7.6454 +/- 0.0093**

**Std Dev: 0.5036 +/- 0.0066**

Run 4979 quartetwise, Sums



# Cycle 5, Asyms

**Entries: 531**

**Mean: -0.0005 +/- 0.0006**

**Std Dev: 0.0148 +/- 0.0005**

**Entries: 2203**

**Mean: 0.0317 +/- 0.0005**

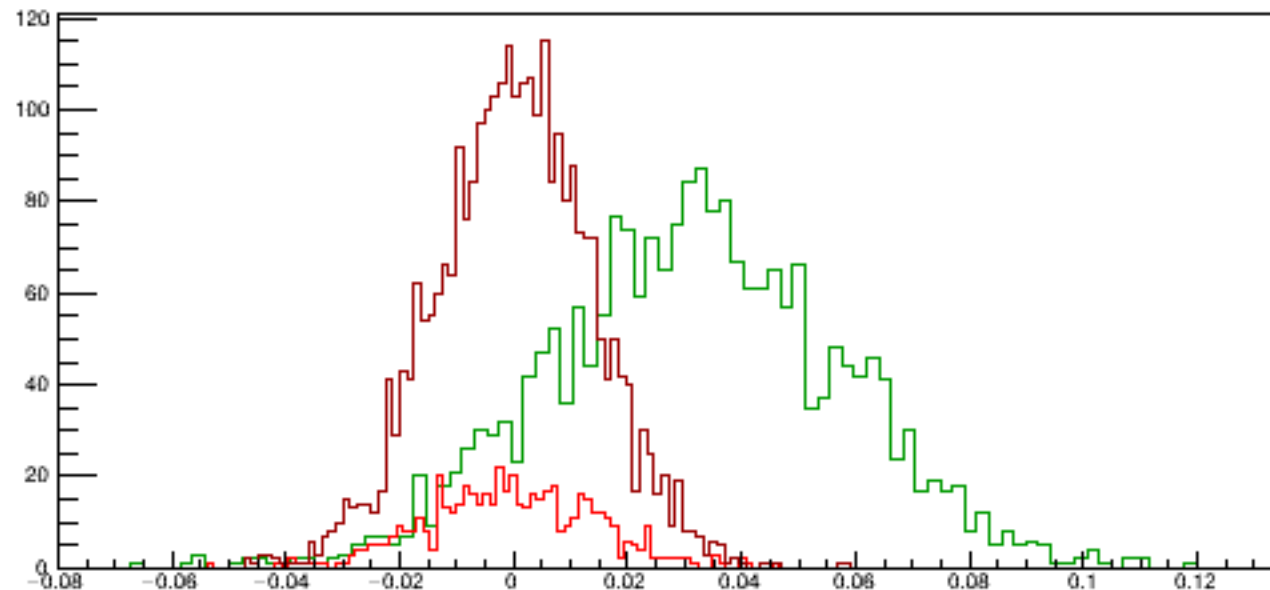
**Std Dev: 0.0257 +/- 0.0004**

**Entries: 2920**

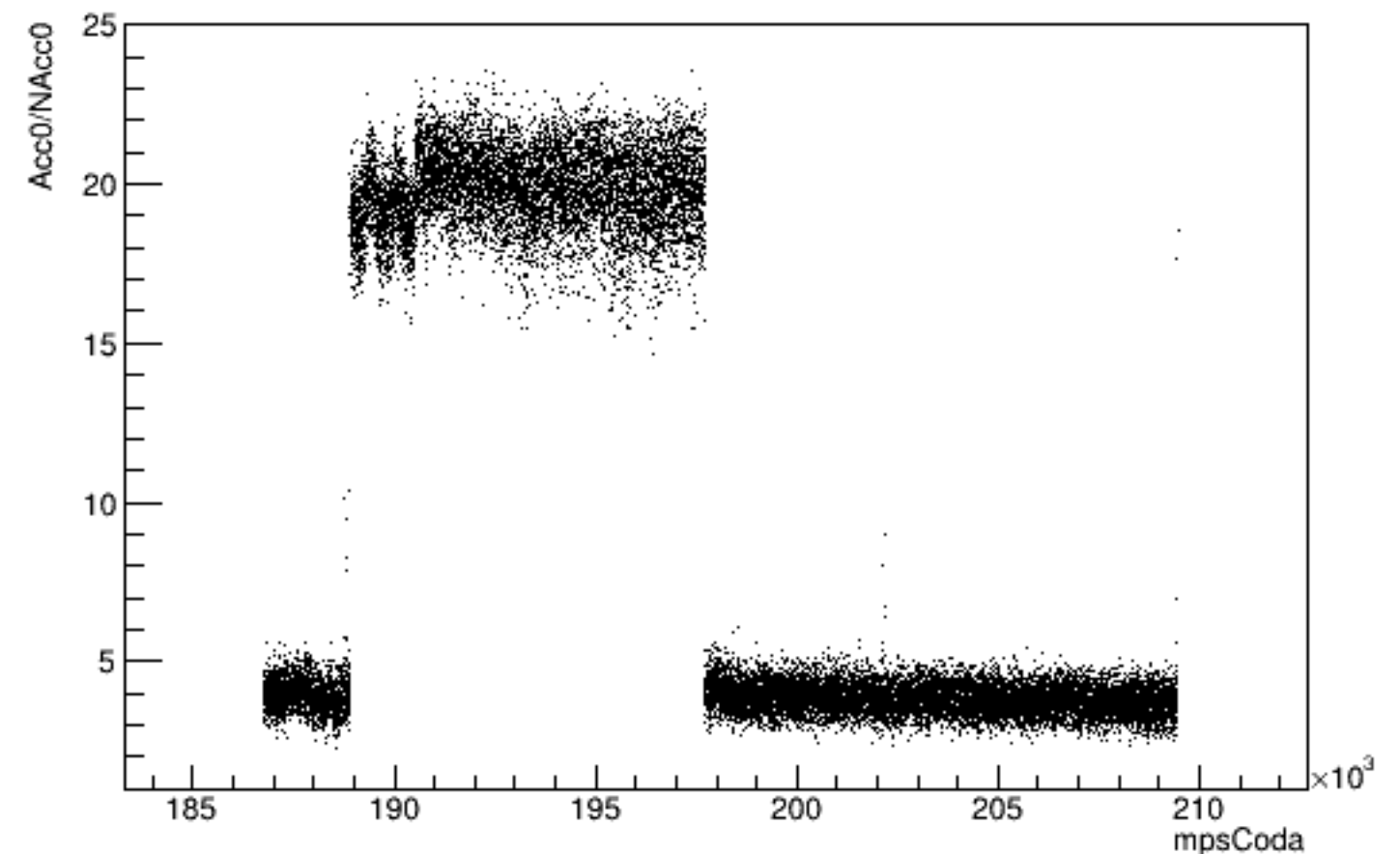
**Mean: 0.0002 +/- 0.0003**

**Std Dev: 0.0139 +/- 0.0002**

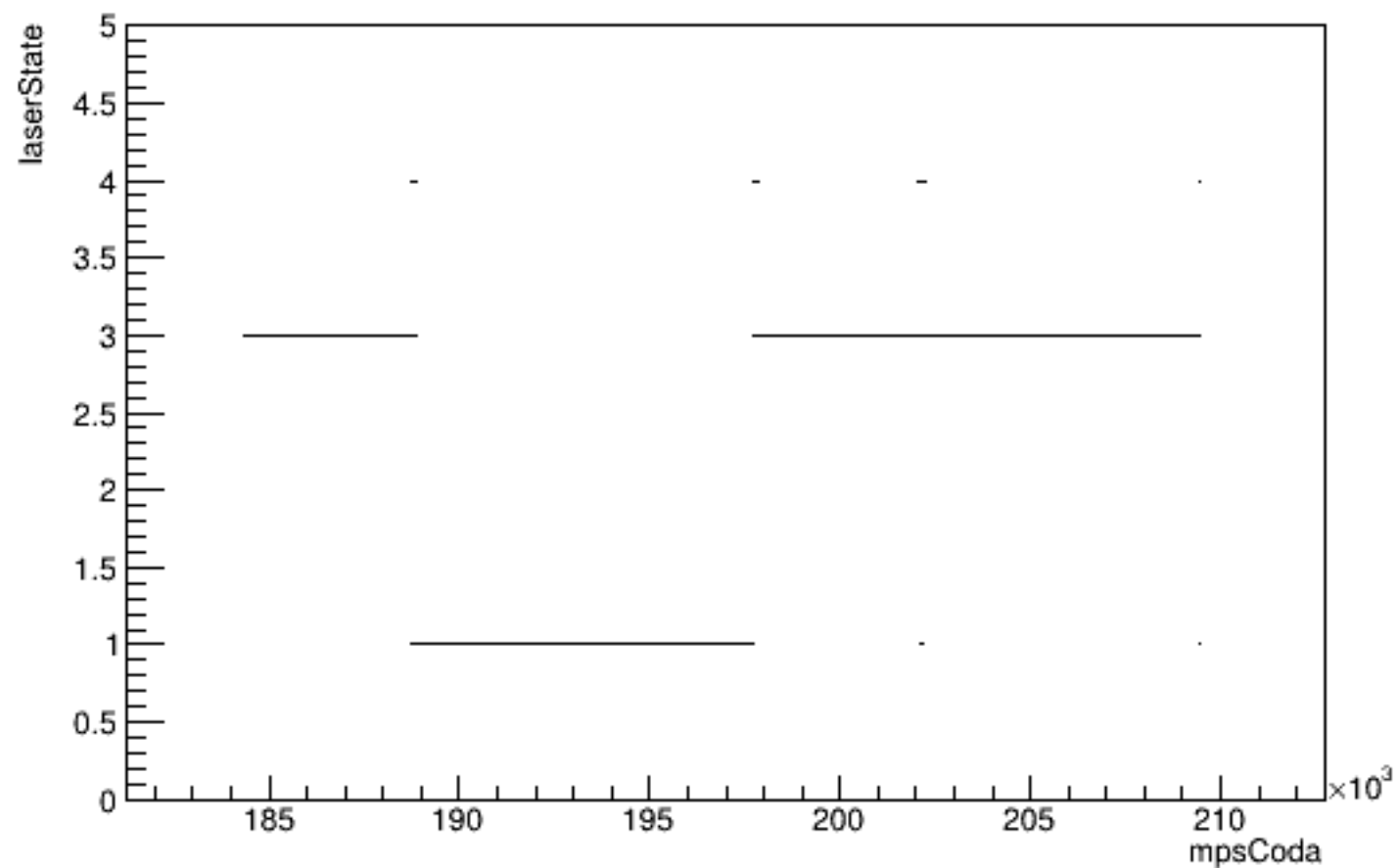
Run 4979 quartetwise, Asyms



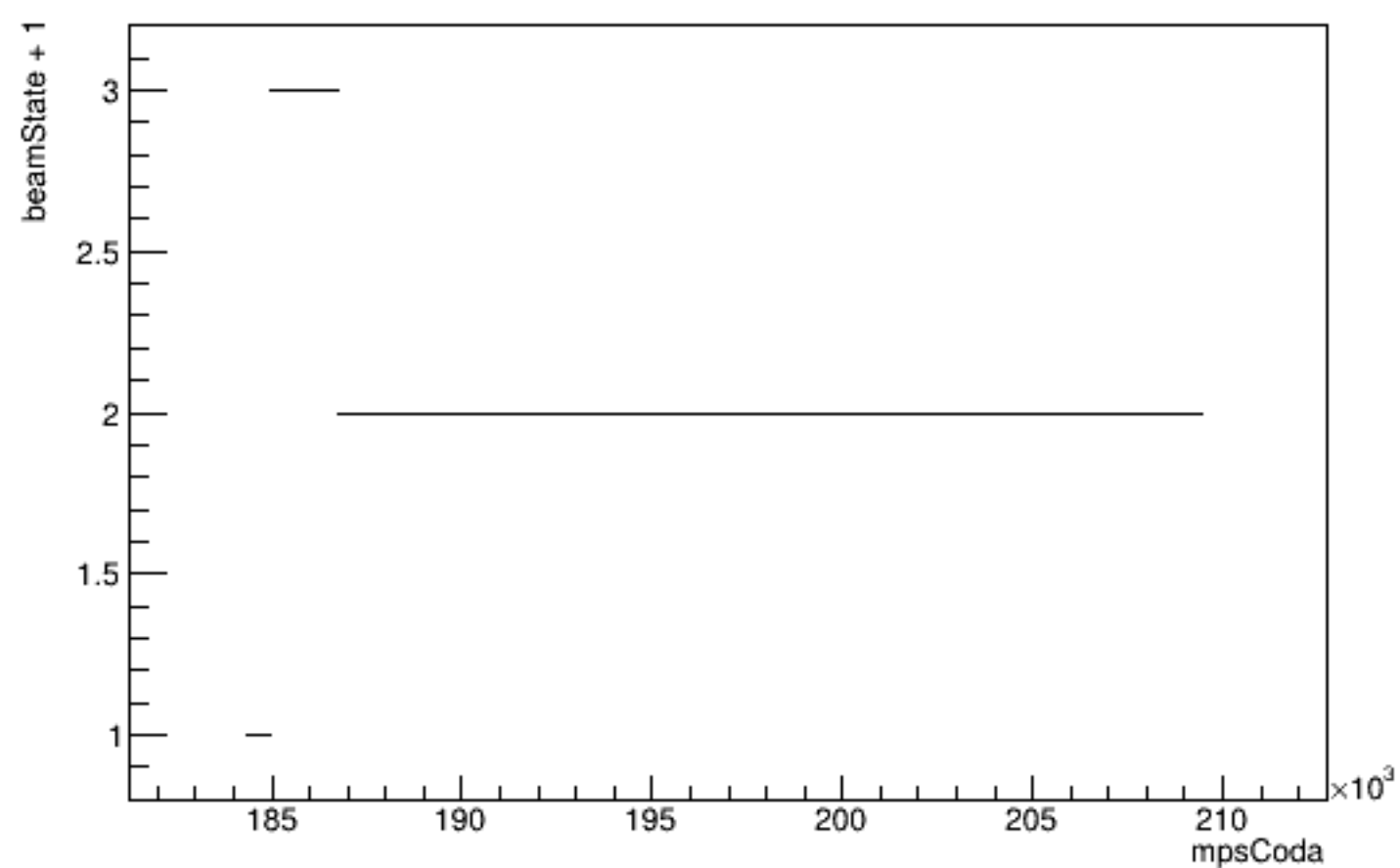
Acc0/NAcc0:mpsCoda (mpsCoda>=184368 && mpsCoda<=209459 && beamState==1)



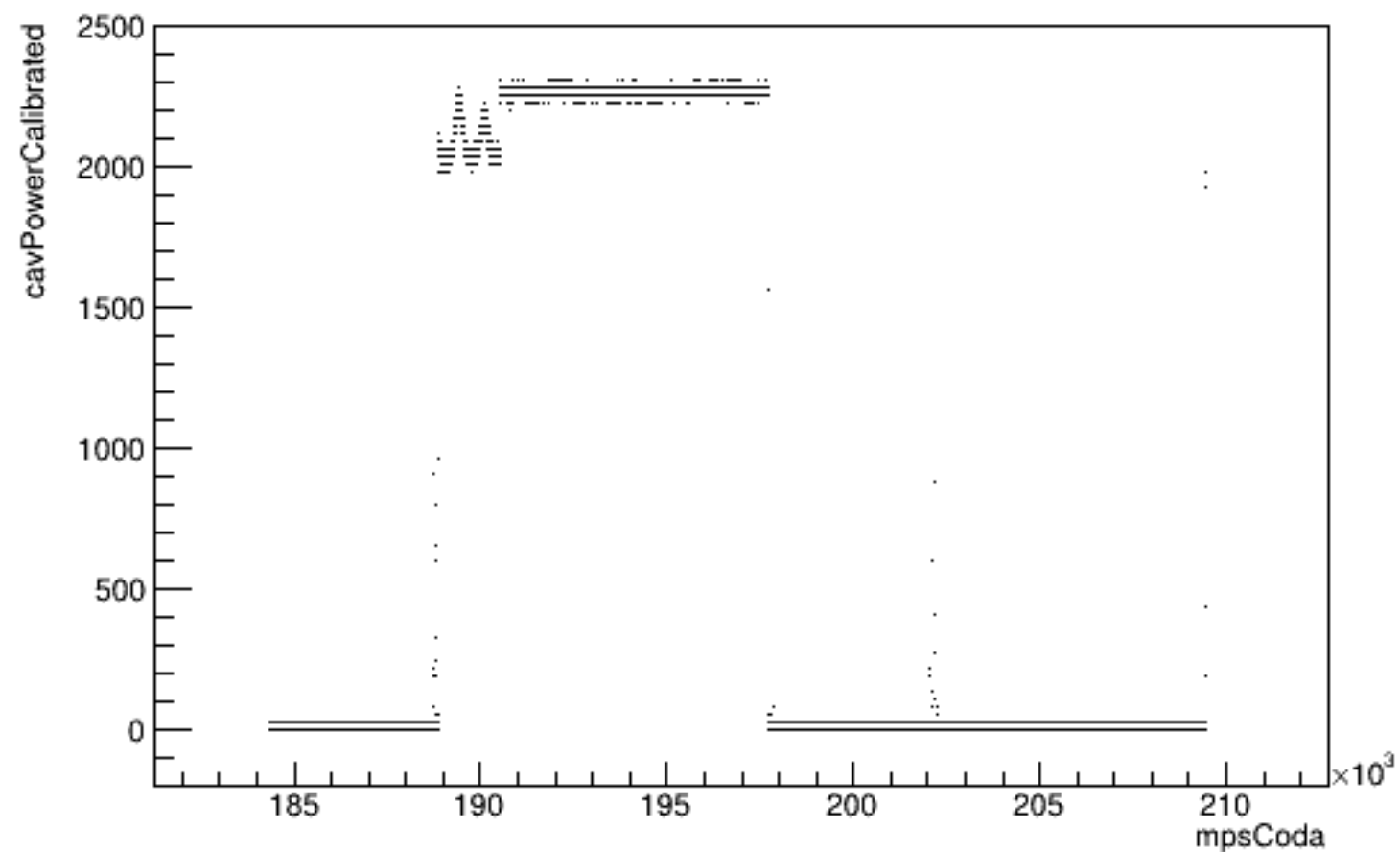
laserState:mpsCoda {mpsCoda&gt;=184368 &amp;&amp; mpsCoda&lt;=209459}



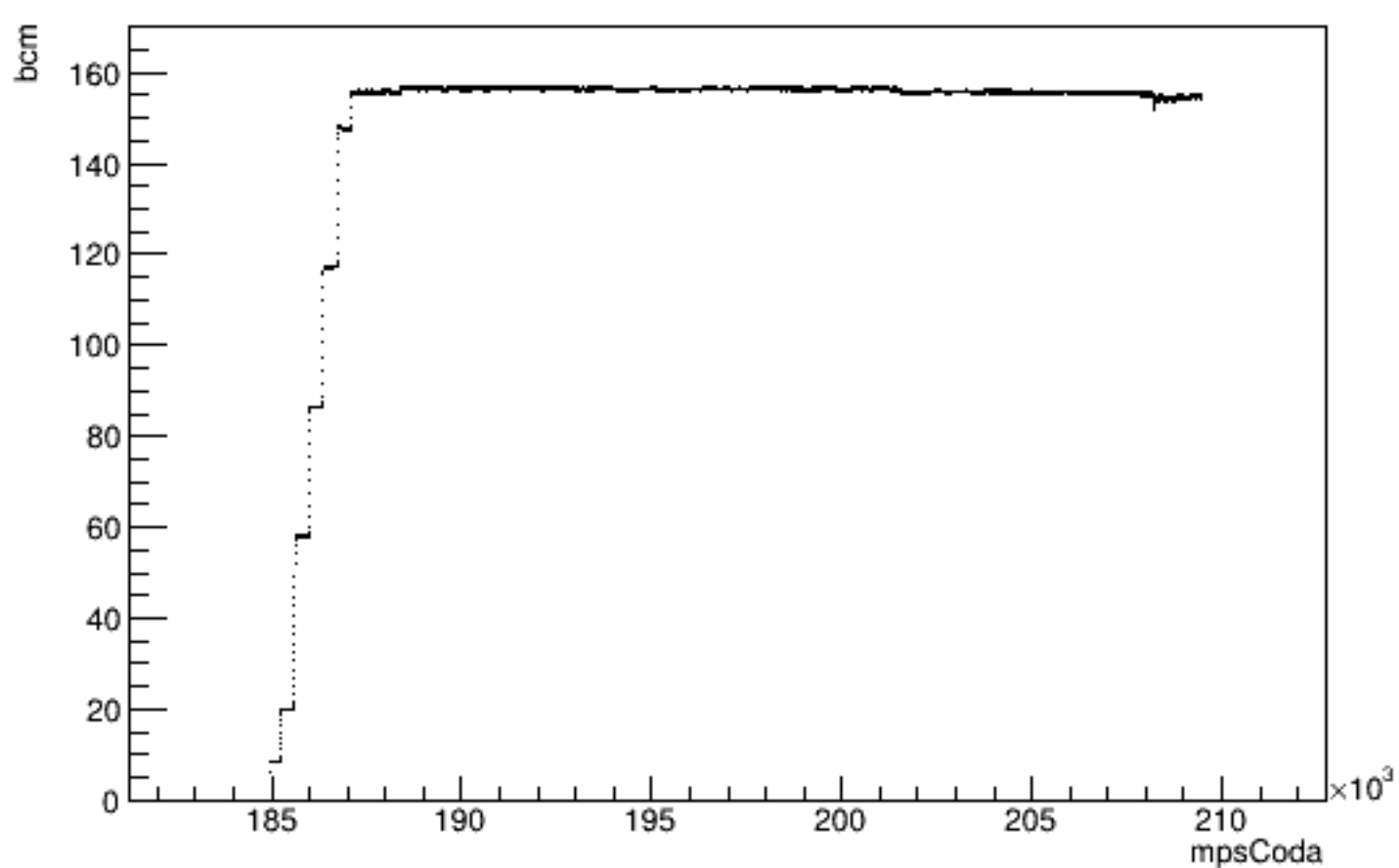
beamState + 1:mpsCoda {mpsCoda&gt;=184368 &amp;&amp; mpsCoda&lt;=209459}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=184368 &amp;&amp; mpsCoda&lt;=209459}



bcm:mpsCoda {mpsCoda&gt;=184368 &amp;&amp; mpsCoda&lt;=209459}



## Cycle 6, Diffs

Entries: 2920

Mean: 0.0051 +/- 0.0082

Std Dev: 0.4405 +/- 0.0058

Entries: 1152

Mean: 0.8912 +/- 0.0258

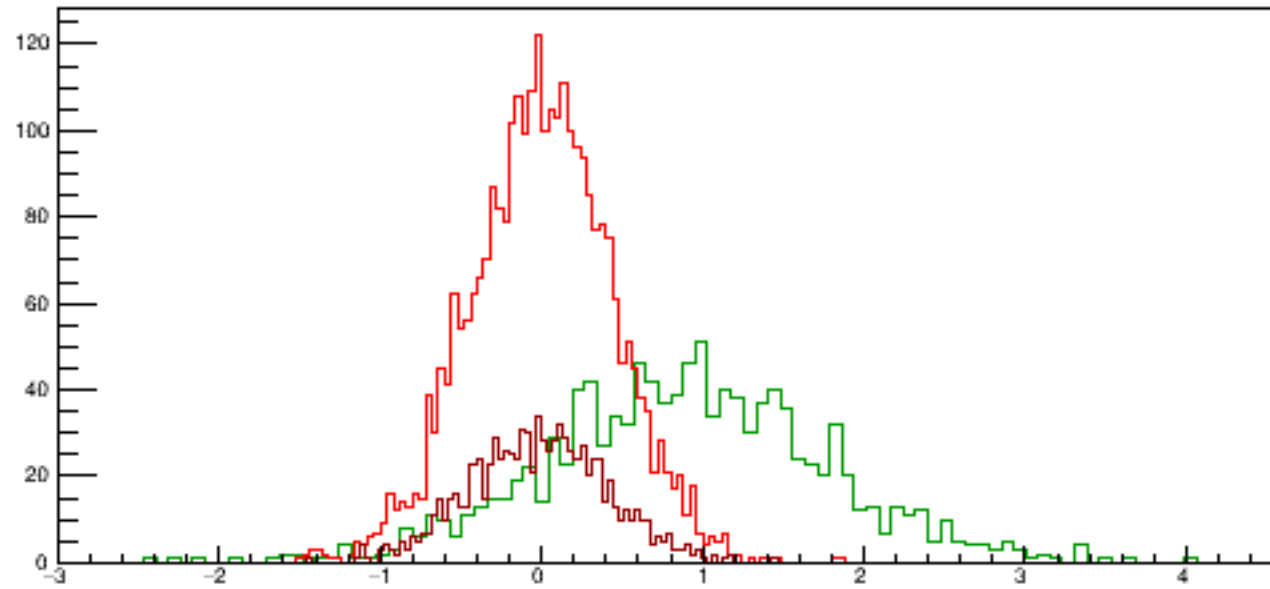
Std Dev: 0.8759 +/- 0.0182

Entries: 916

Mean: -0.0217 +/- 0.0140

Std Dev: 0.4240 +/- 0.0099

Run 4979 quartetwise, Diffs



## Cycle 6, Sums

Entries: 2920

Mean: 7.6454 +/- 0.0093

Std Dev: 0.5036 +/- 0.0066

Entries: 1152

Mean: 35.9551 +/- 0.1178

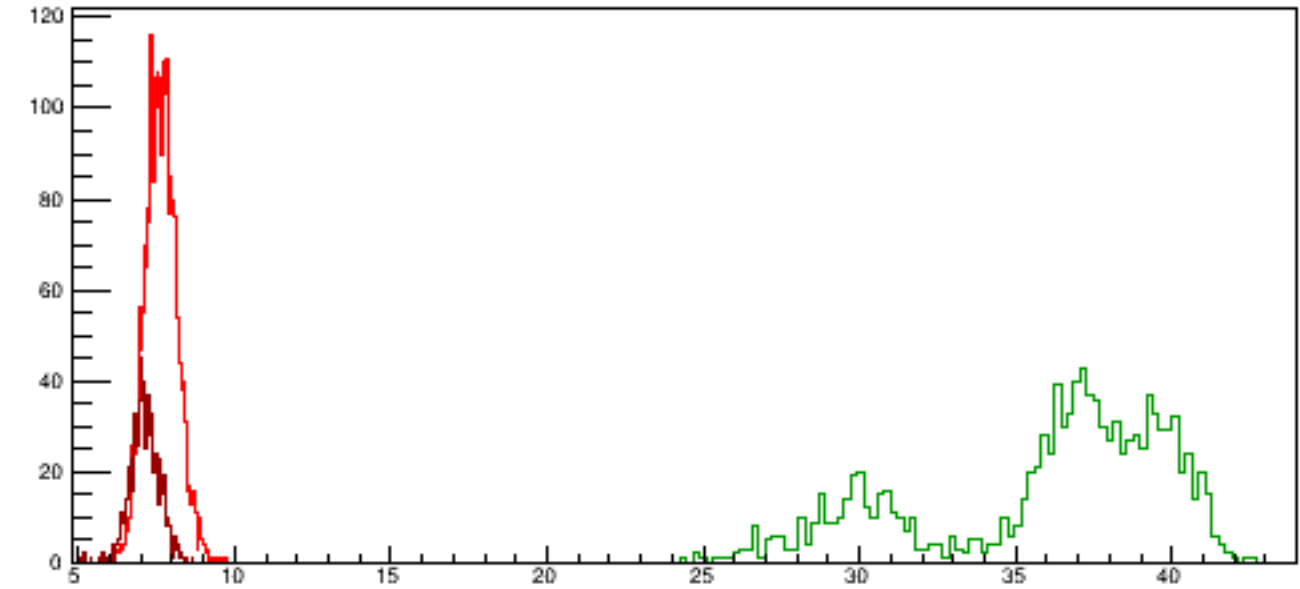
Std Dev: 3.9992 +/- 0.0833

Entries: 916

Mean: 7.1174 +/- 0.0154

Std Dev: 0.4649 +/- 0.0109

Run 4979 quartetwise, Sums



## Cycle 6, Asyms

Entries: 2920

Mean: 0.0002 +/- 0.0003

Std Dev: 0.0154 +/- 0.0002

Entries: 1152

Mean: 0.0312 +/- 0.0010

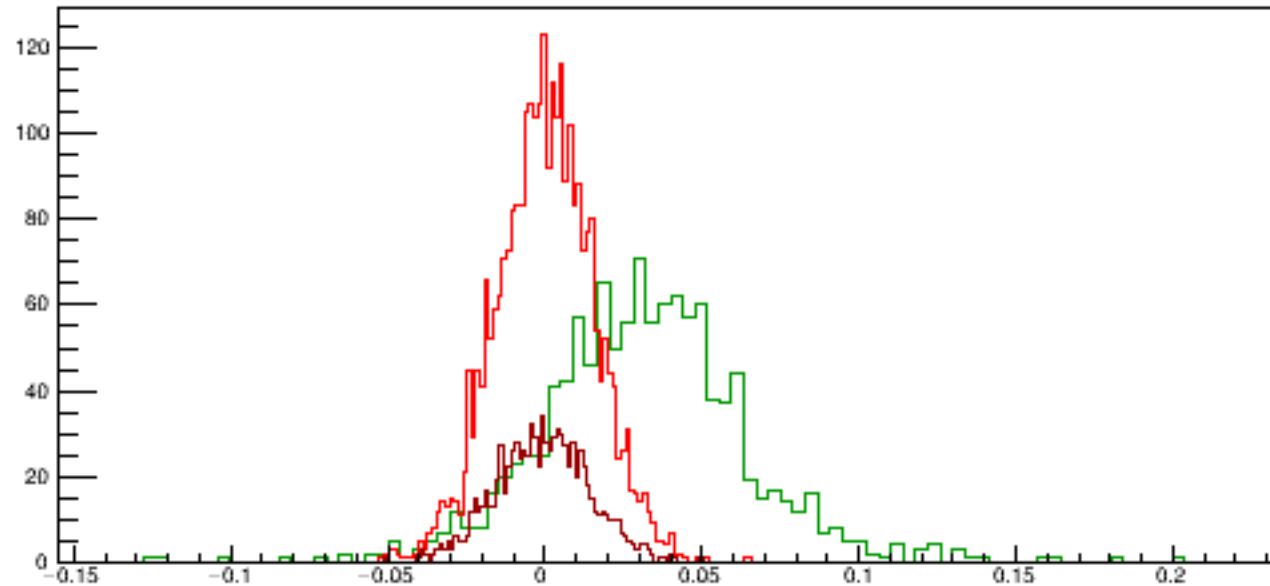
Std Dev: 0.0330 +/- 0.0007

Entries: 916

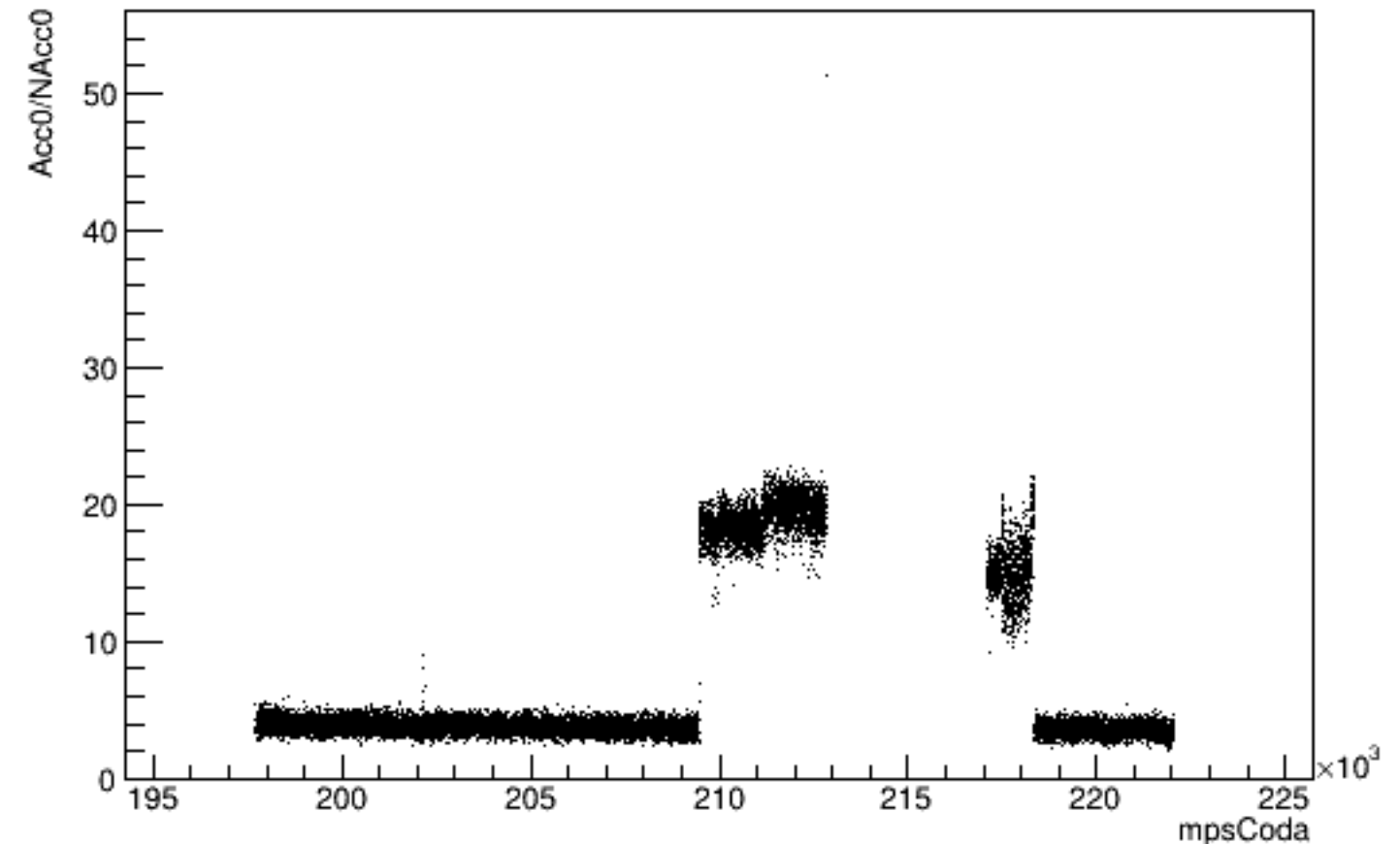
Mean: -0.0008 +/- 0.0005

Std Dev: 0.0148 +/- 0.0003

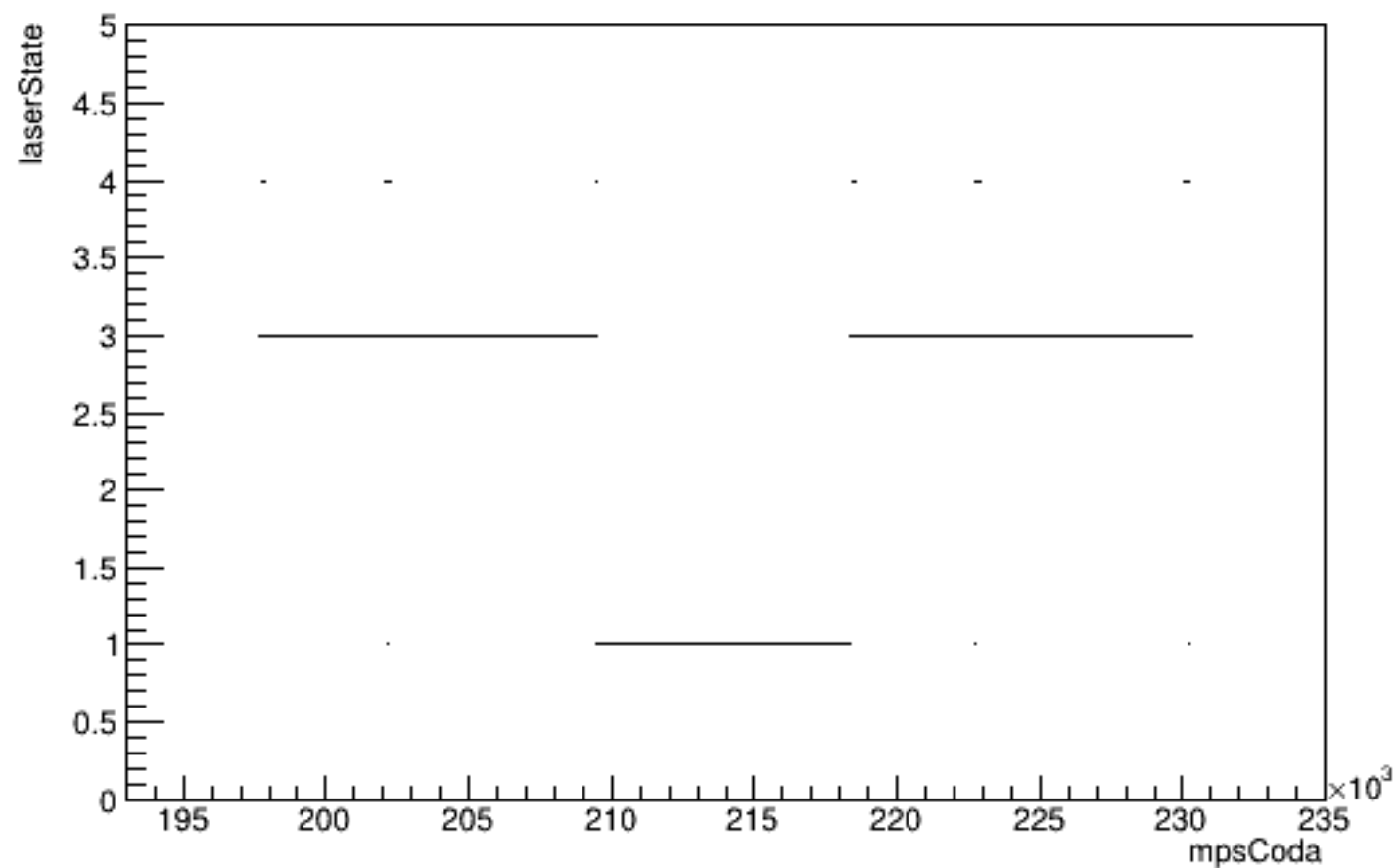
Run 4979 quartetwise, Asyms



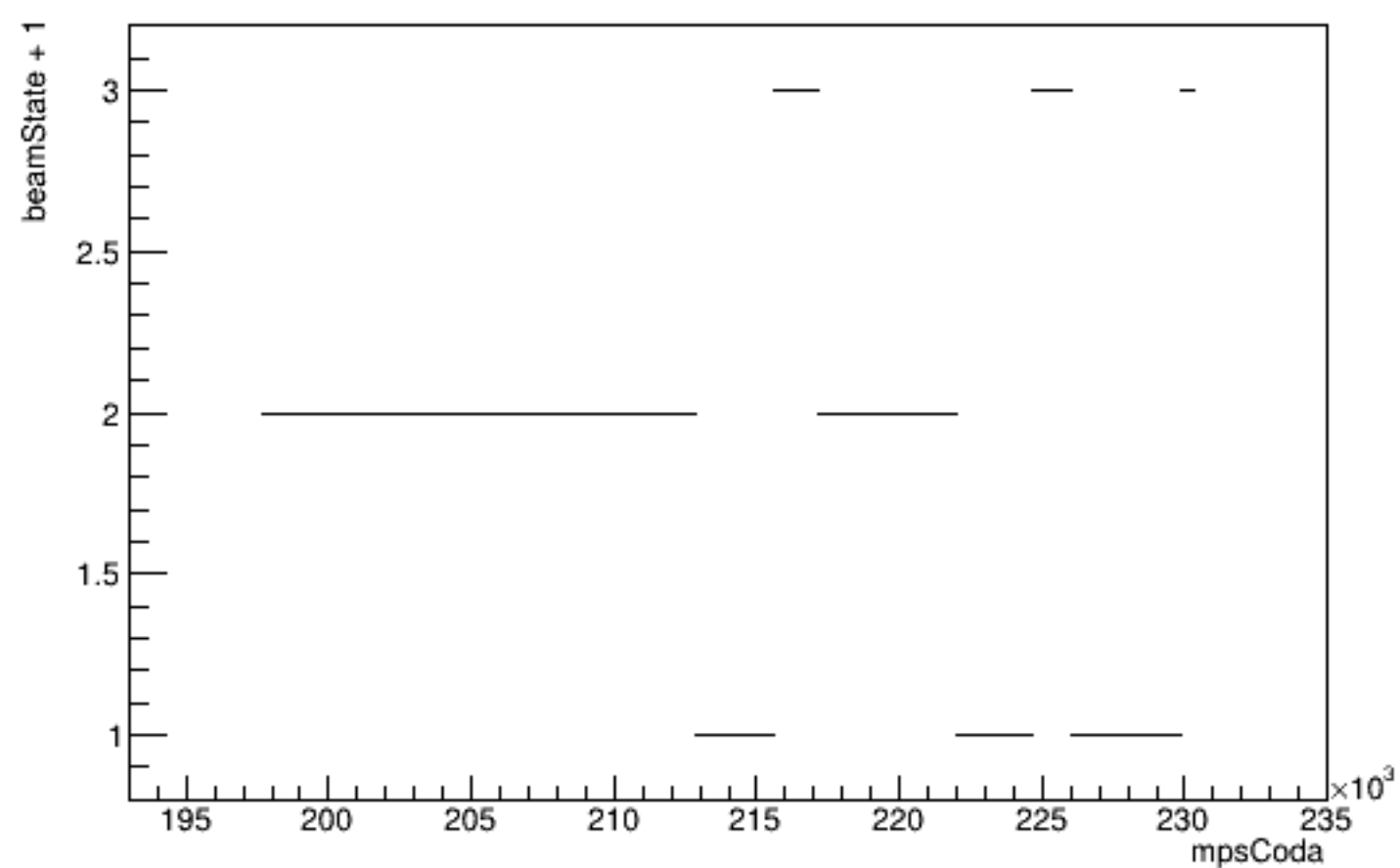
Acc0/NAcc0:mpsCoda (mpsCoda>=197716 && mpsCoda<=230279 && beamState==1)



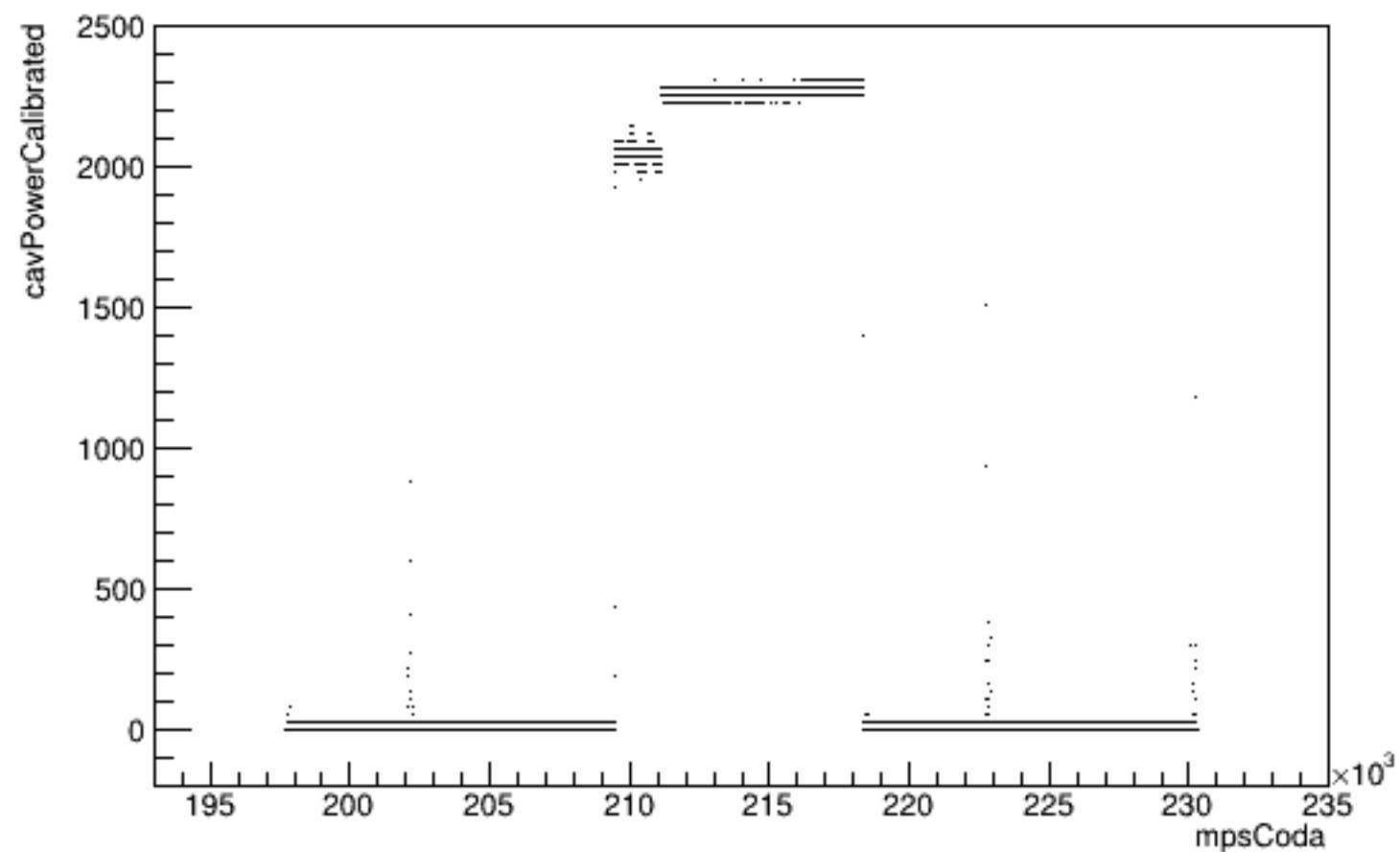
laserState:mpsCoda {mpsCoda&gt;=197716 &amp;&amp; mpsCoda&lt;=230279}



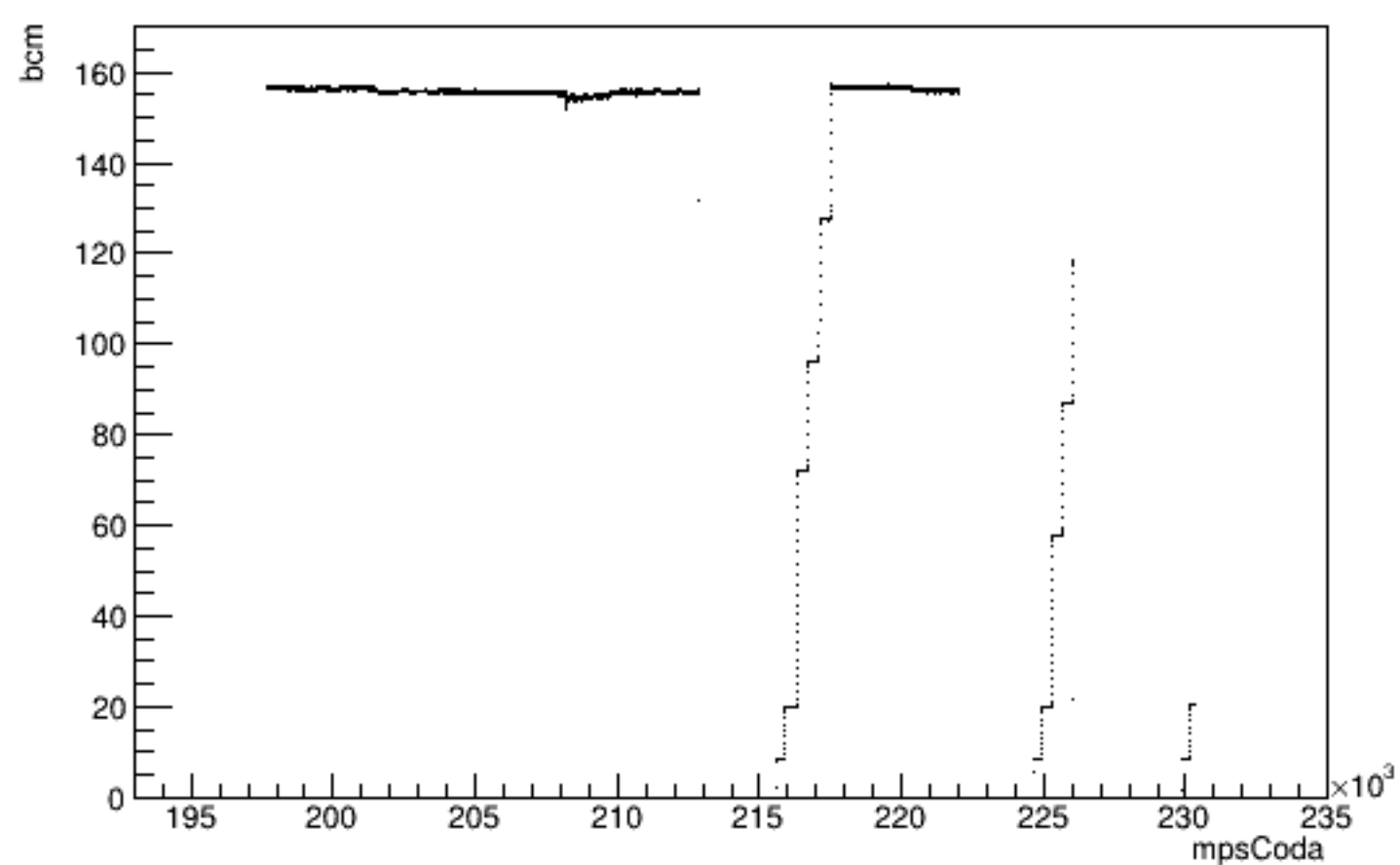
beamState + 1:mpsCoda {mpsCoda&gt;=197716 &amp;&amp; mpsCoda&lt;=230279}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=197716 &amp;&amp; mpsCoda&lt;=230279}



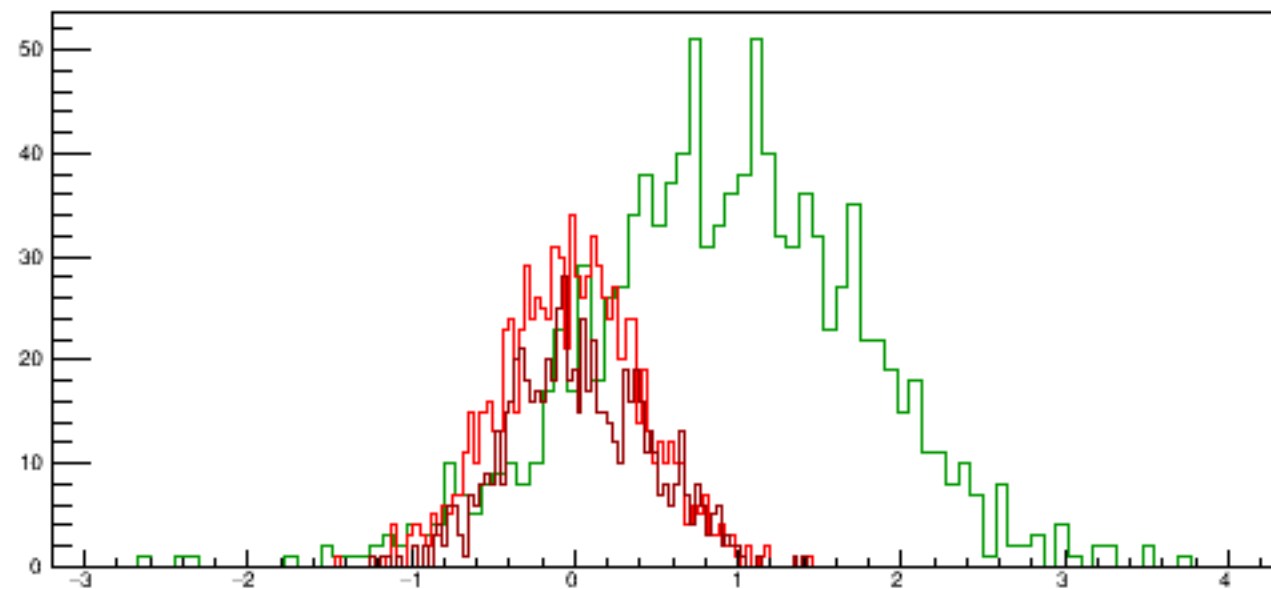
bcm:mpsCoda {mpsCoda&gt;=197716 &amp;&amp; mpsCoda&lt;=230279}



## Cycle 7, Diffs

<b>Entries: 916</b> <b>Mean: -0.0217 +/- 0.0140</b> <b>Std Dev: 0.4240 +/- 0.0099</b>	<b>Entries: 1100</b> <b>Mean: 0.9133 +/- 0.0257</b> <b>Std Dev: 0.8527 +/- 0.0182</b>	<b>Entries: 702</b> <b>Mean: 0.0275 +/- 0.0162</b> <b>Std Dev: 0.4280 +/- 0.0114</b>
---	---	--

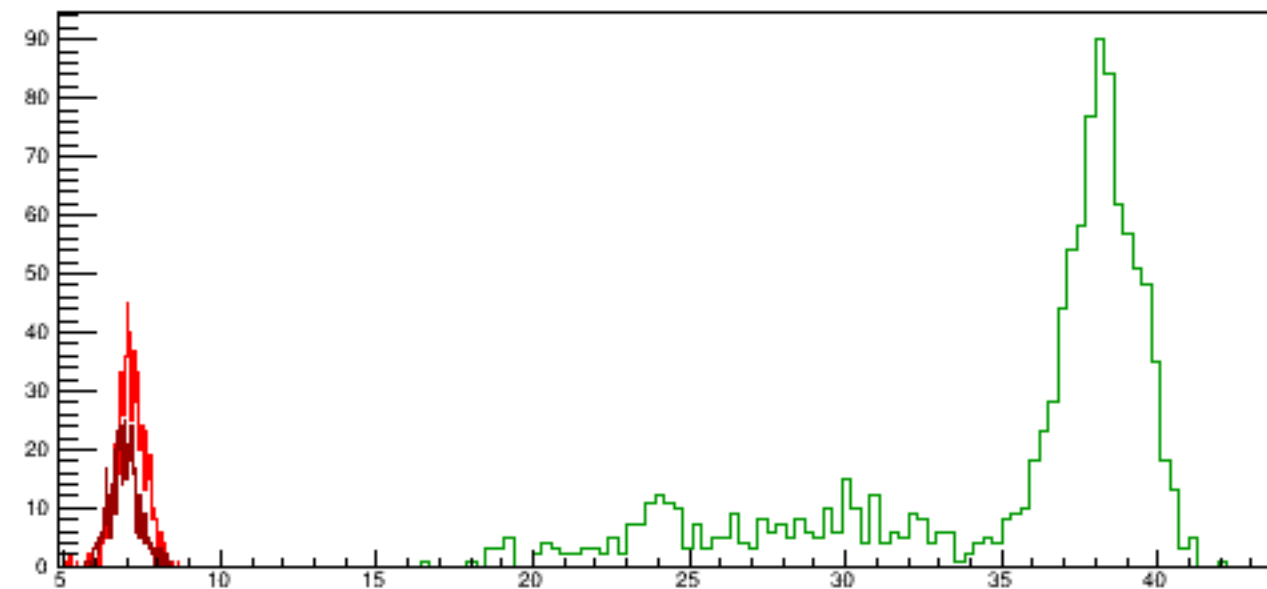
Run 4979 quartetwise, Diffs



## Cycle 7, Sums

<b>Entries: 916</b> <b>Mean: 7.1174 +/- 0.0154</b> <b>Std Dev: 0.4649 +/- 0.0109</b>	<b>Entries: 1100</b> <b>Mean: 35.2394 +/- 0.1624</b> <b>Std Dev: 5.3867 +/- 0.1148</b>	<b>Entries: 702</b> <b>Mean: 6.9117 +/- 0.0169</b> <b>Std Dev: 0.4465 +/- 0.0119</b>
--	--	--

Run 4979 quartetwise, Sums

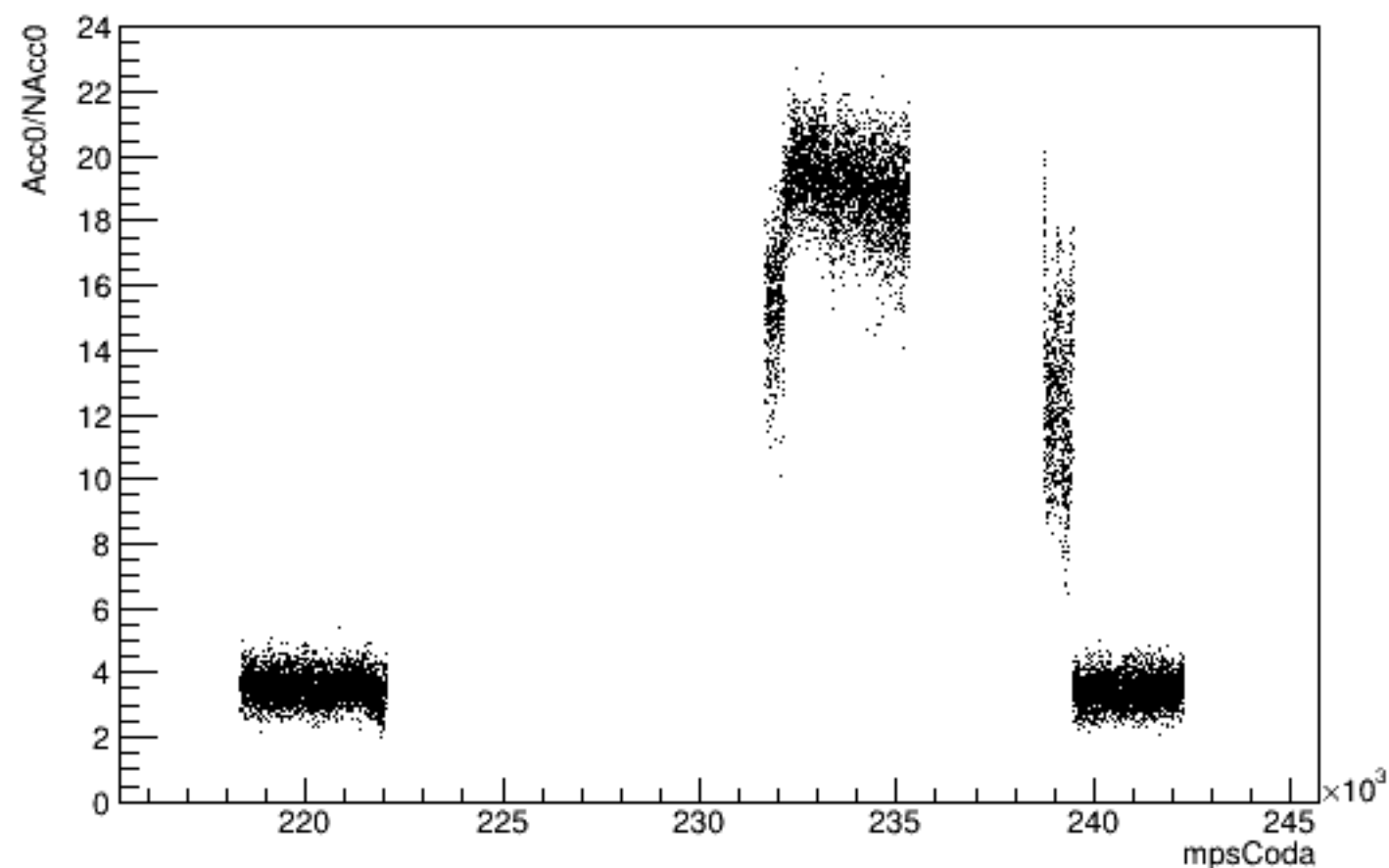
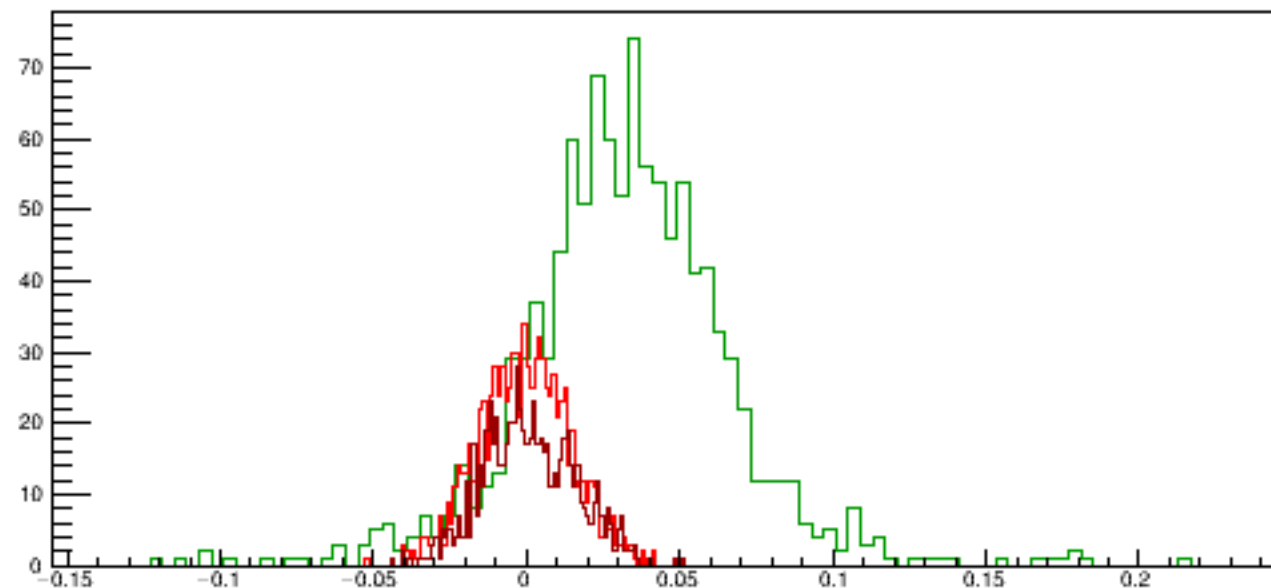


Acc0/NAcc0:mpsCoda (mpsCoda>=218356 && mpsCoda<=243903 && beamState==1)

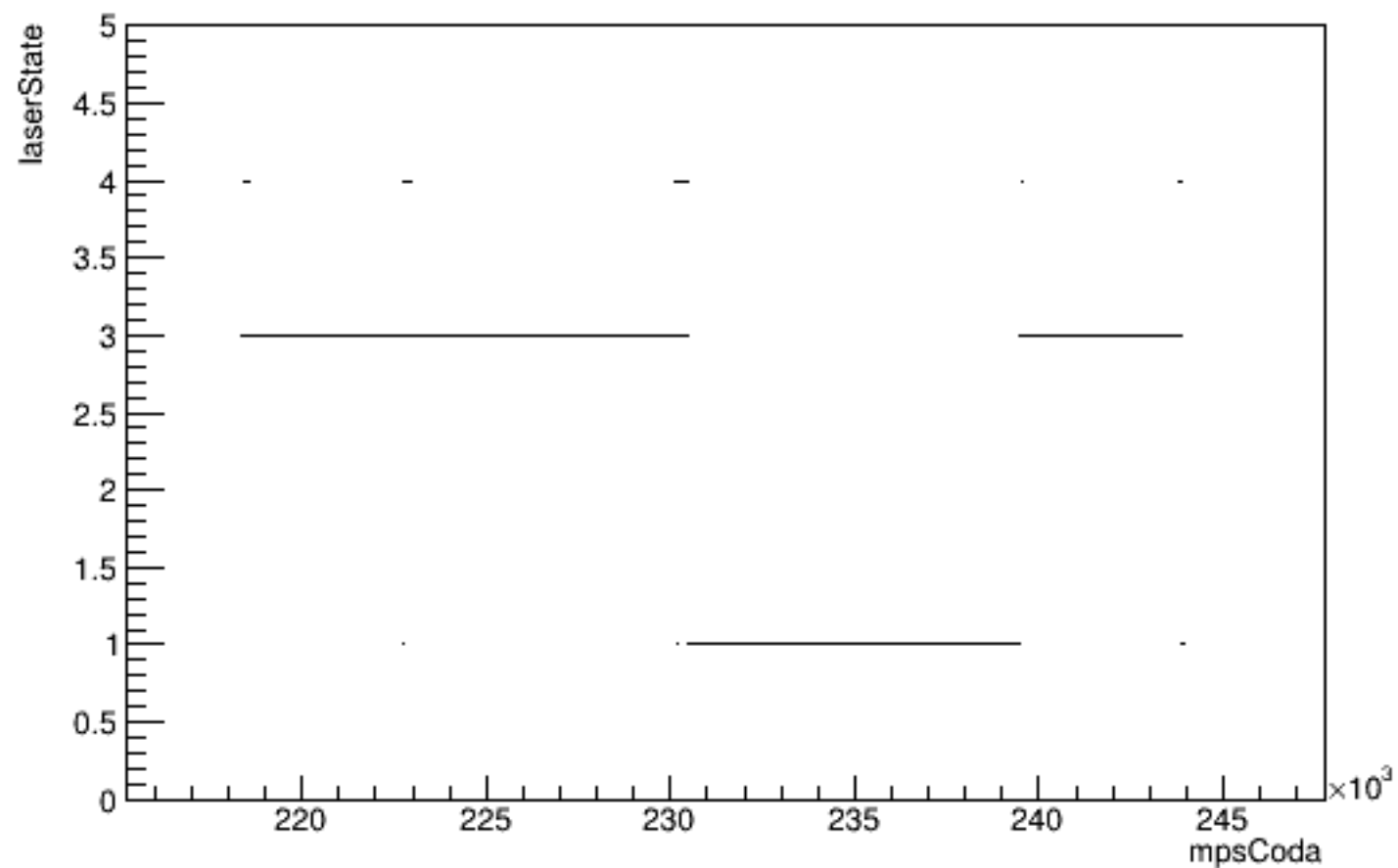
## Cycle 7, Asyms

<b>Entries: 916</b> <b>Mean: -0.0008 +/- 0.0005</b> <b>Std Dev: 0.0150 +/- 0.0004</b>	<b>Entries: 1100</b> <b>Mean: 0.0325 +/- 0.0010</b> <b>Std Dev: 0.0347 +/- 0.0007</b>	<b>Entries: 702</b> <b>Mean: 0.0010 +/- 0.0006</b> <b>Std Dev: 0.0152 +/- 0.0004</b>
---	---	--

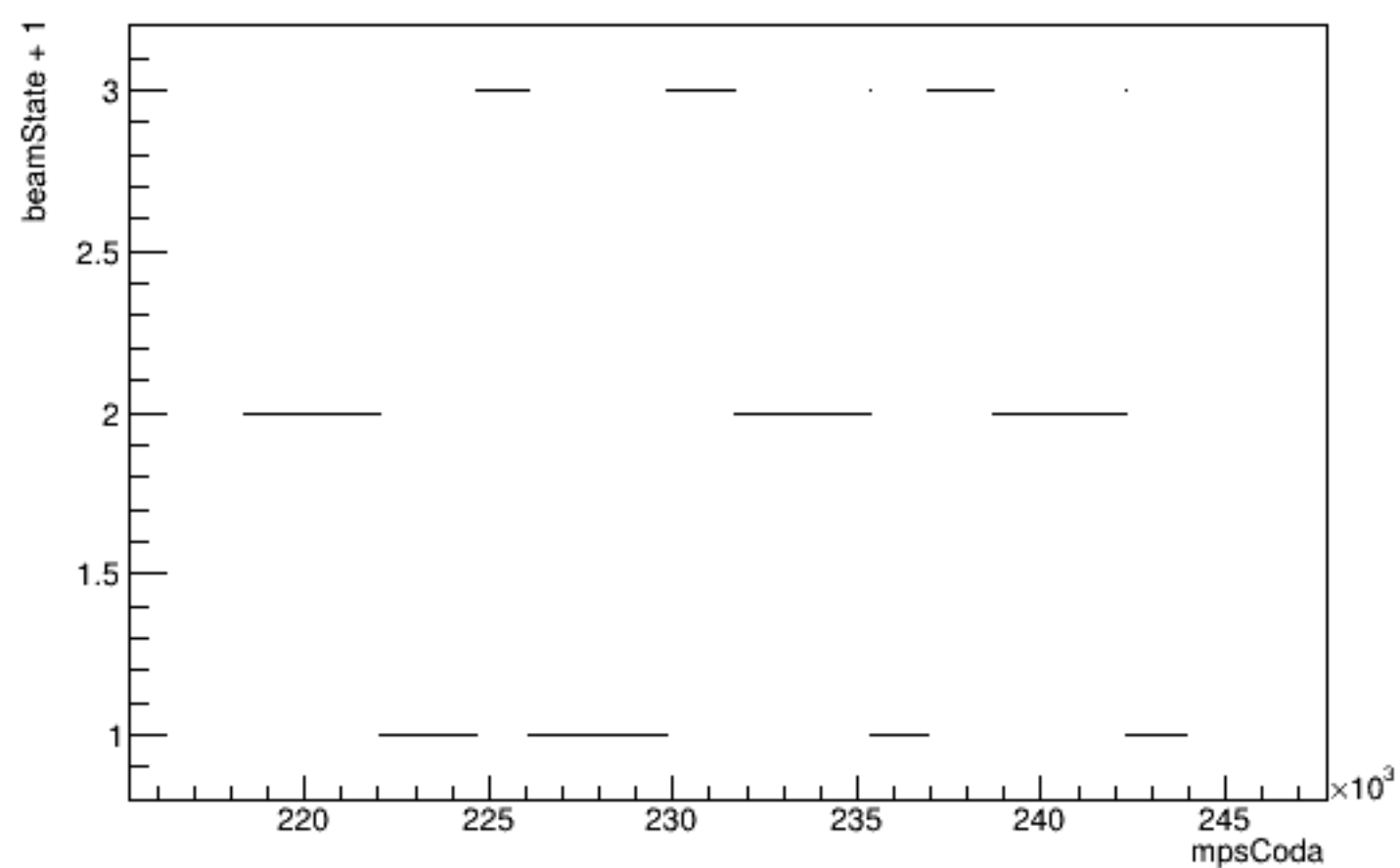
Run 4979 quartetwise, Asyms



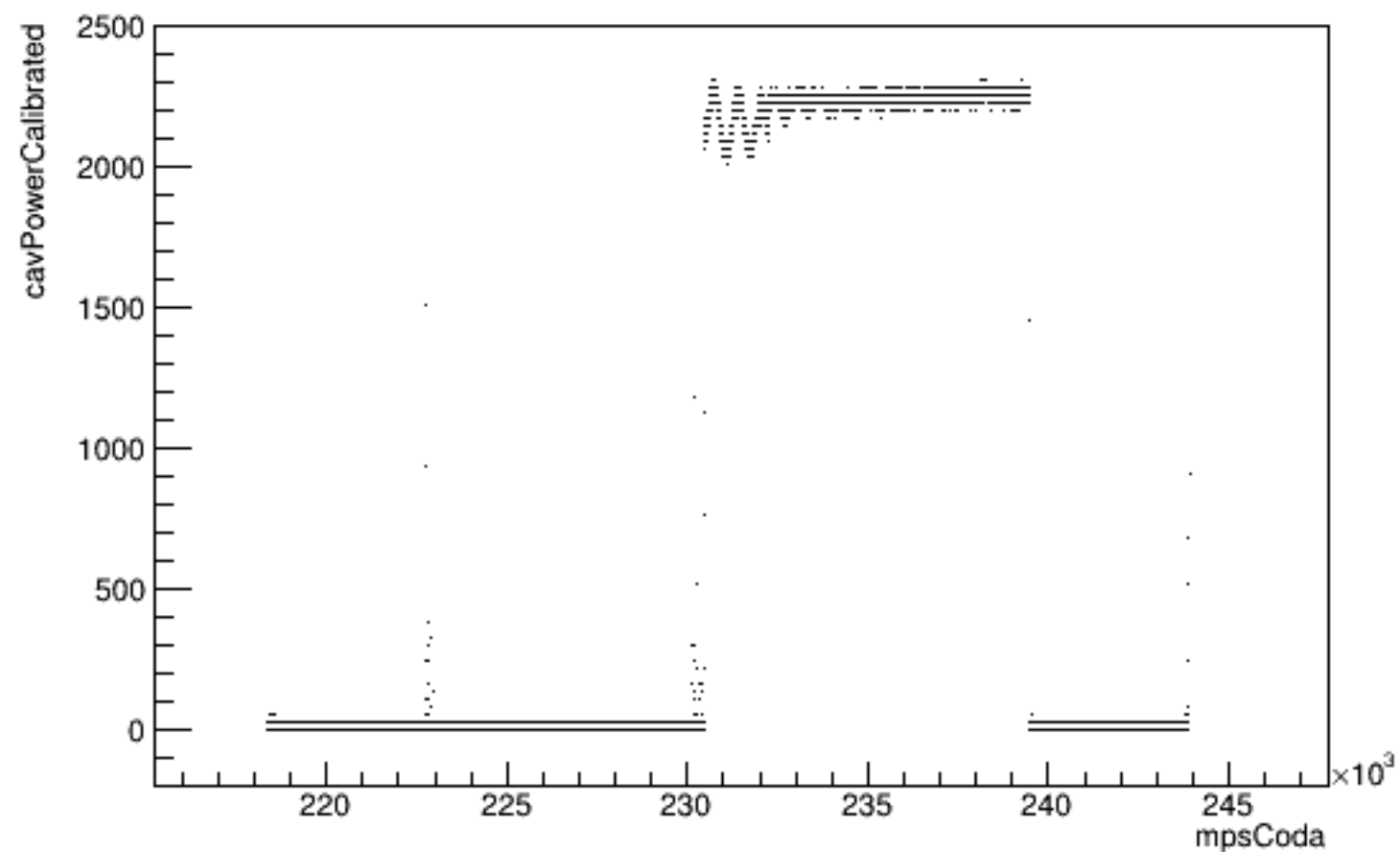
laserState:mpsCoda {mpsCoda&gt;=218356 &amp;&amp; mpsCoda&lt;=243903}



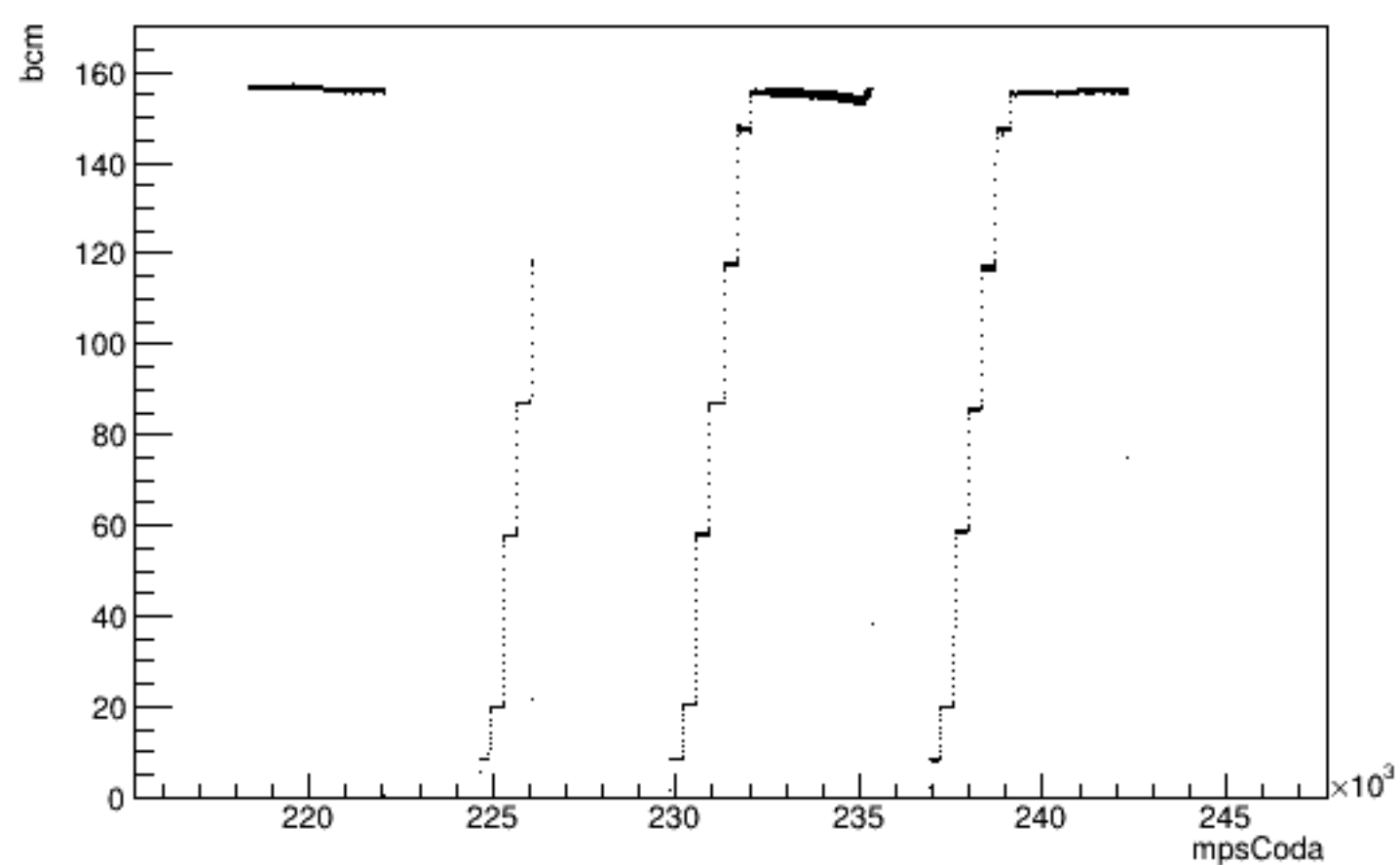
beamState + 1:mpsCoda {mpsCoda&gt;=218356 &amp;&amp; mpsCoda&lt;=243903}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=218356 &amp;&amp; mpsCoda&lt;=243903}



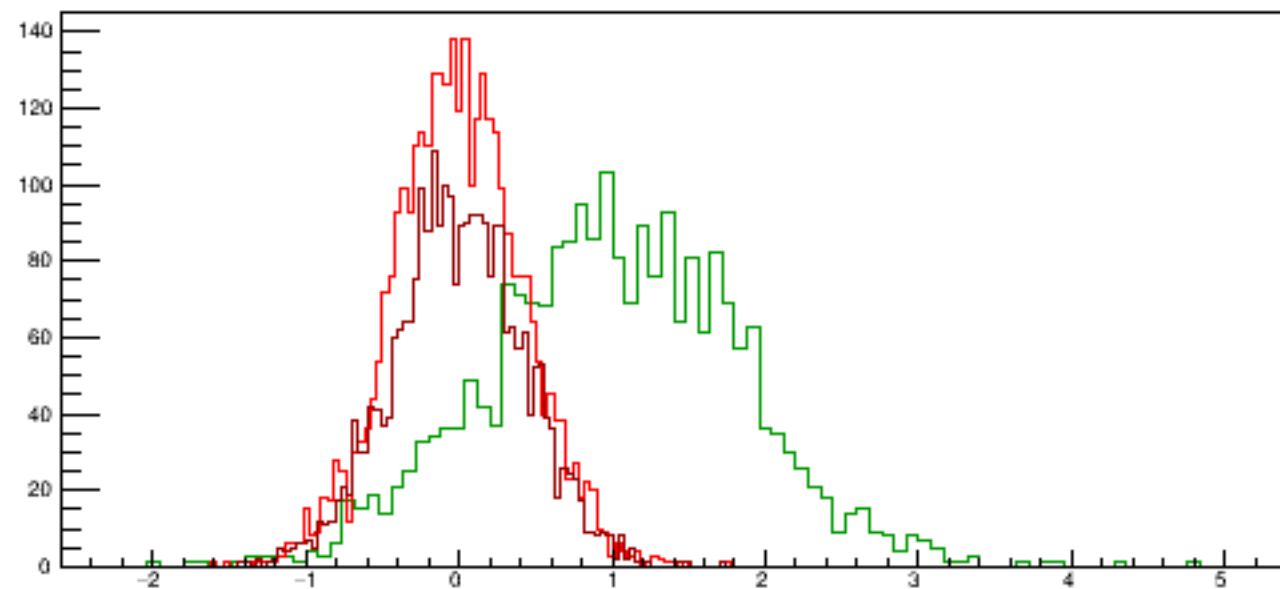
bcm:mpsCoda {mpsCoda&gt;=218356 &amp;&amp; mpsCoda&lt;=243903}



# Cycle 8, Diffs

<b>Entries: 3331</b>	<b>Entries: 2283</b>	<b>Entries: 2719</b>
<b>Mean: -0.0047 +/- 0.0073</b>	<b>Mean: 1.0099 +/- 0.0174</b>	<b>Mean: -0.0033 +/- 0.0082</b>
<b>Std Dev: 0.4185 +/- 0.0051</b>	<b>Std Dev: 0.8294 +/- 0.0123</b>	<b>Std Dev: 0.4262 +/- 0.0058</b>

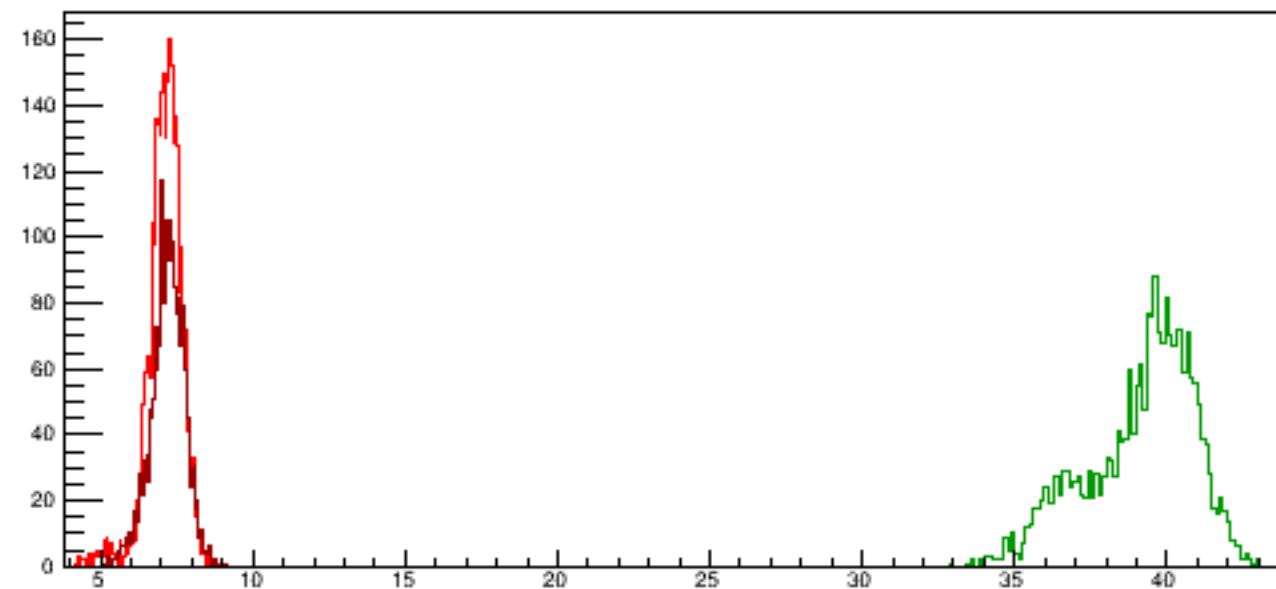
Run 4979 quartetwise, Diffs



# Cycle 8, Sums

<b>Entries: 3331</b>	<b>Entries: 2283</b>	<b>Entries: 2719</b>
<b>Mean: 7.1093 +/- 0.0099</b>	<b>Mean: 39.1370 +/- 0.0368</b>	<b>Mean: 7.2113 +/- 0.0108</b>
<b>Std Dev: 0.5723 +/- 0.0070</b>	<b>Std Dev: 1.7582 +/- 0.0260</b>	<b>Std Dev: 0.5648 +/- 0.0077</b>

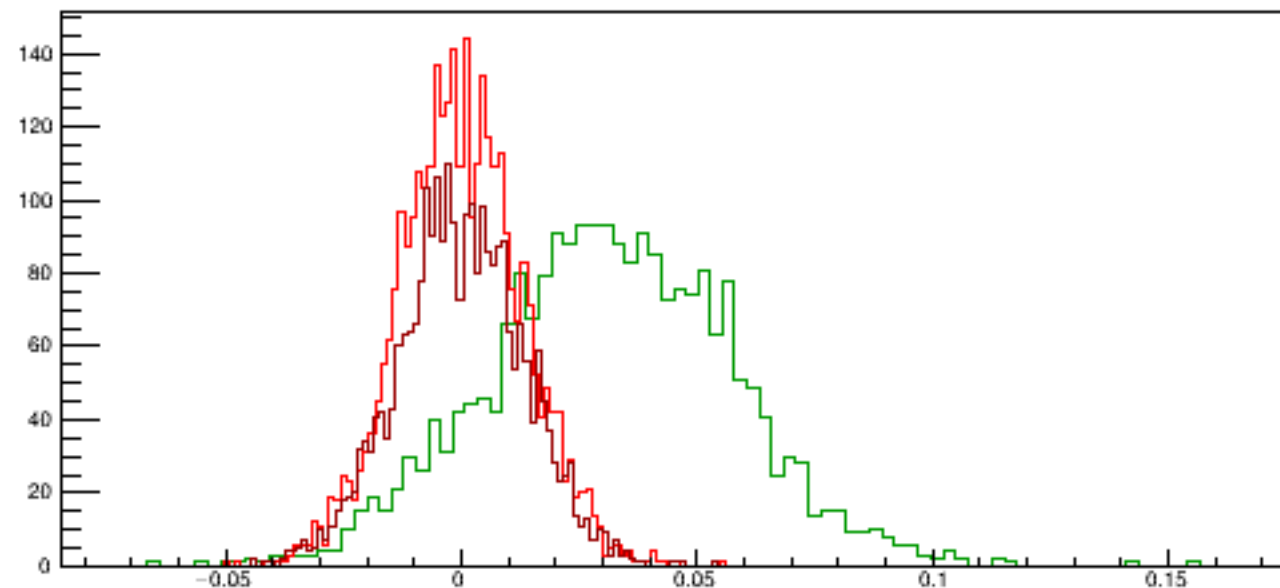
Run 4979 quartetwise, Sums



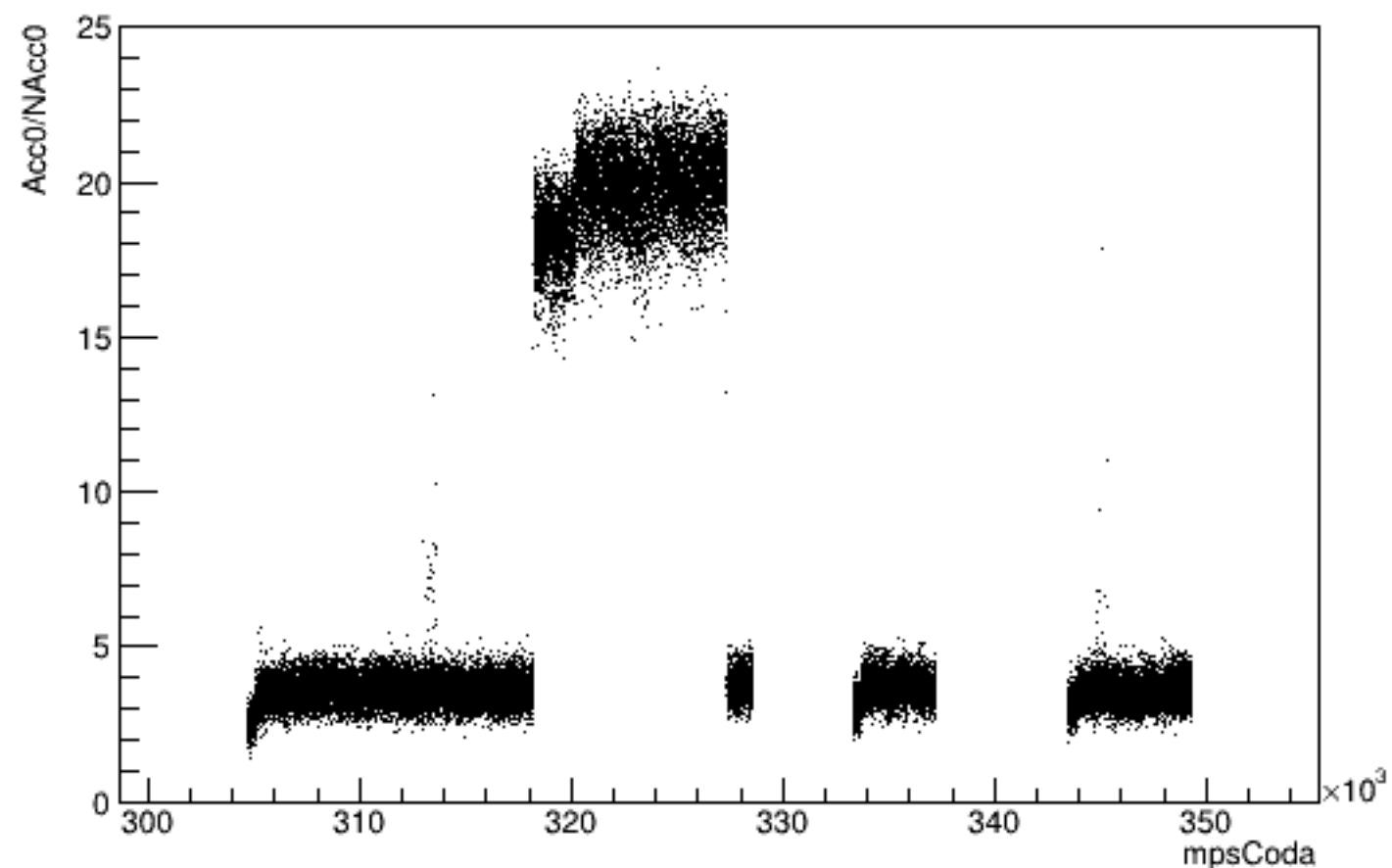
# Cycle 8, Asyms

<b>Entries: 3331</b>	<b>Entries: 2283</b>	<b>Entries: 2719</b>
<b>Mean: -0.0001 +/- 0.0002</b>	<b>Mean: 0.0316 +/- 0.0005</b>	<b>Mean: -0.0001 +/- 0.0003</b>
<b>Std Dev: 0.0131 +/- 0.0002</b>	<b>Std Dev: 0.0261 +/- 0.0004</b>	<b>Std Dev: 0.0133 +/- 0.0002</b>

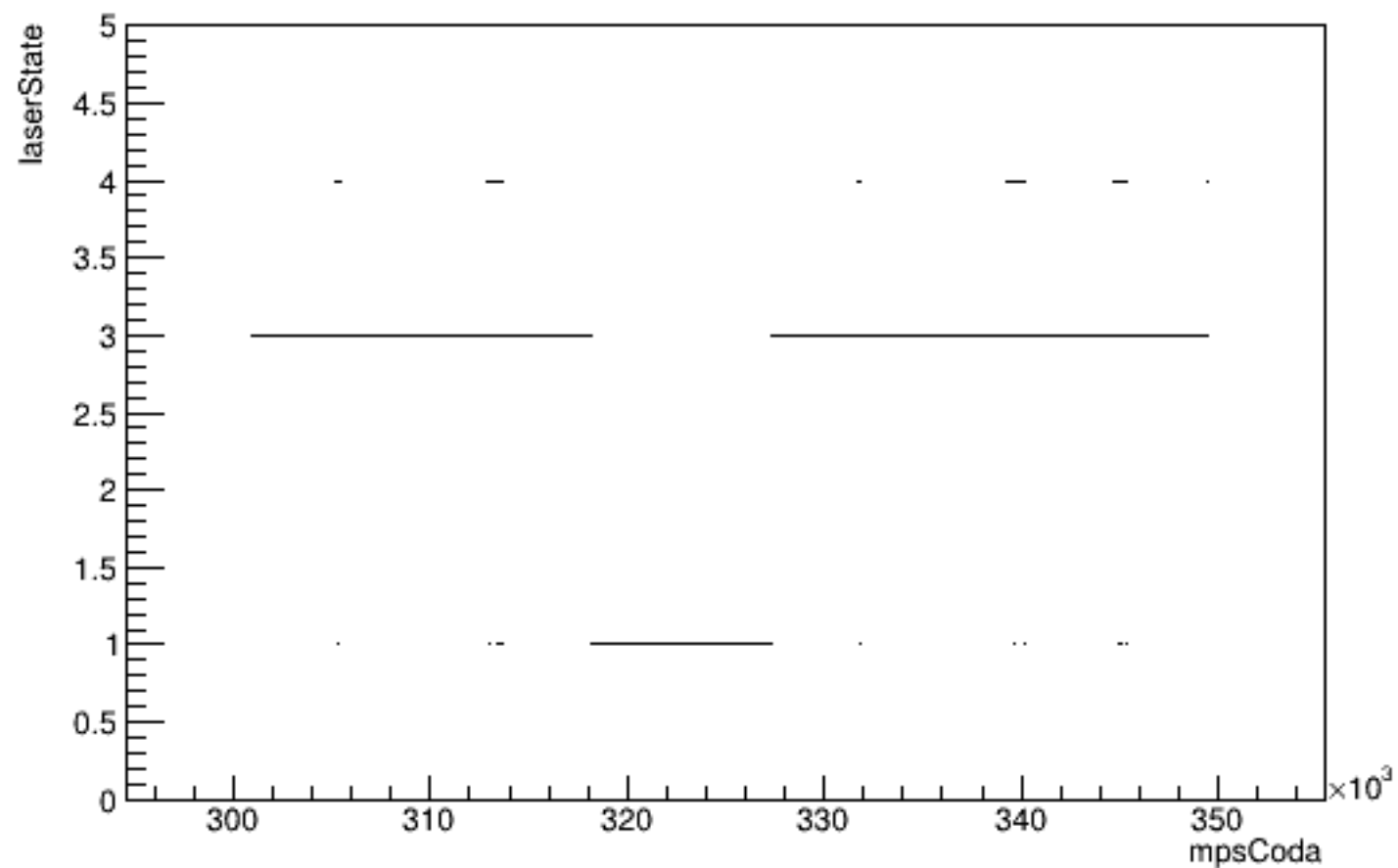
Run 4979 quartetwise, Asyms



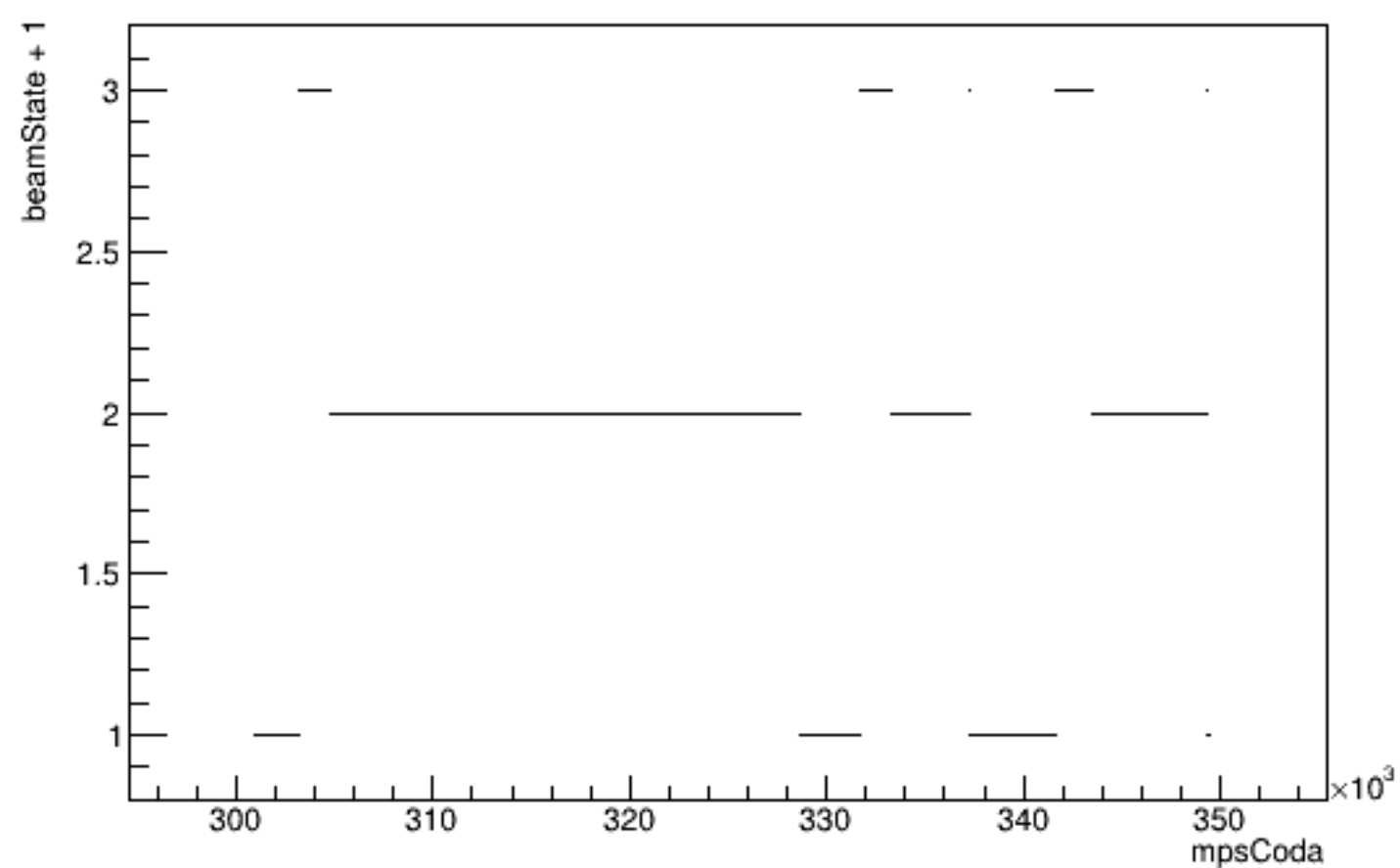
Acc0/NAcc0:mpsCoda (mpsCoda>=300896 && mpsCoda<=349527 && beamState==1)



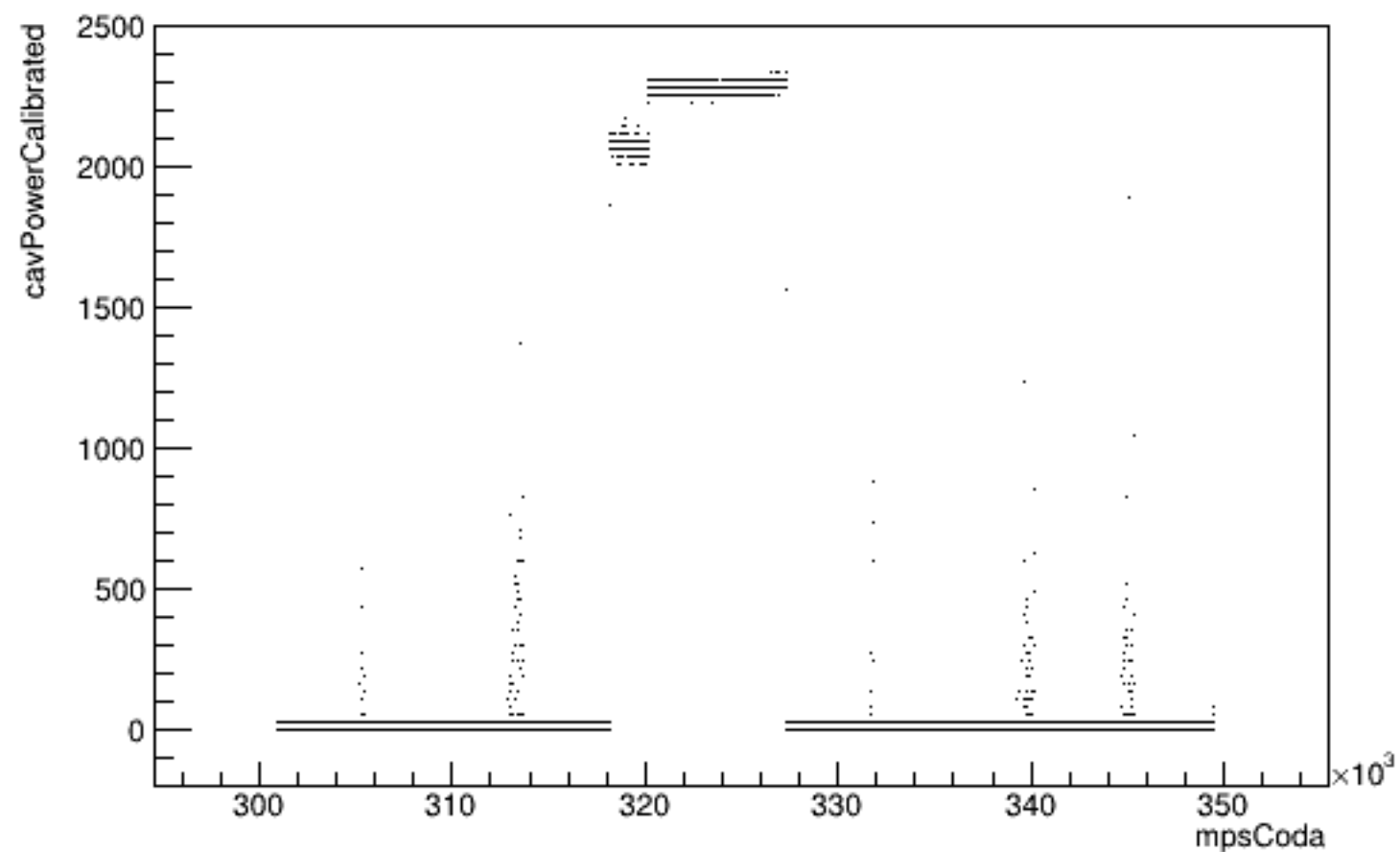
laserState:mpsCoda {mpsCoda&gt;=300896 &amp;&amp; mpsCoda&lt;=349527}



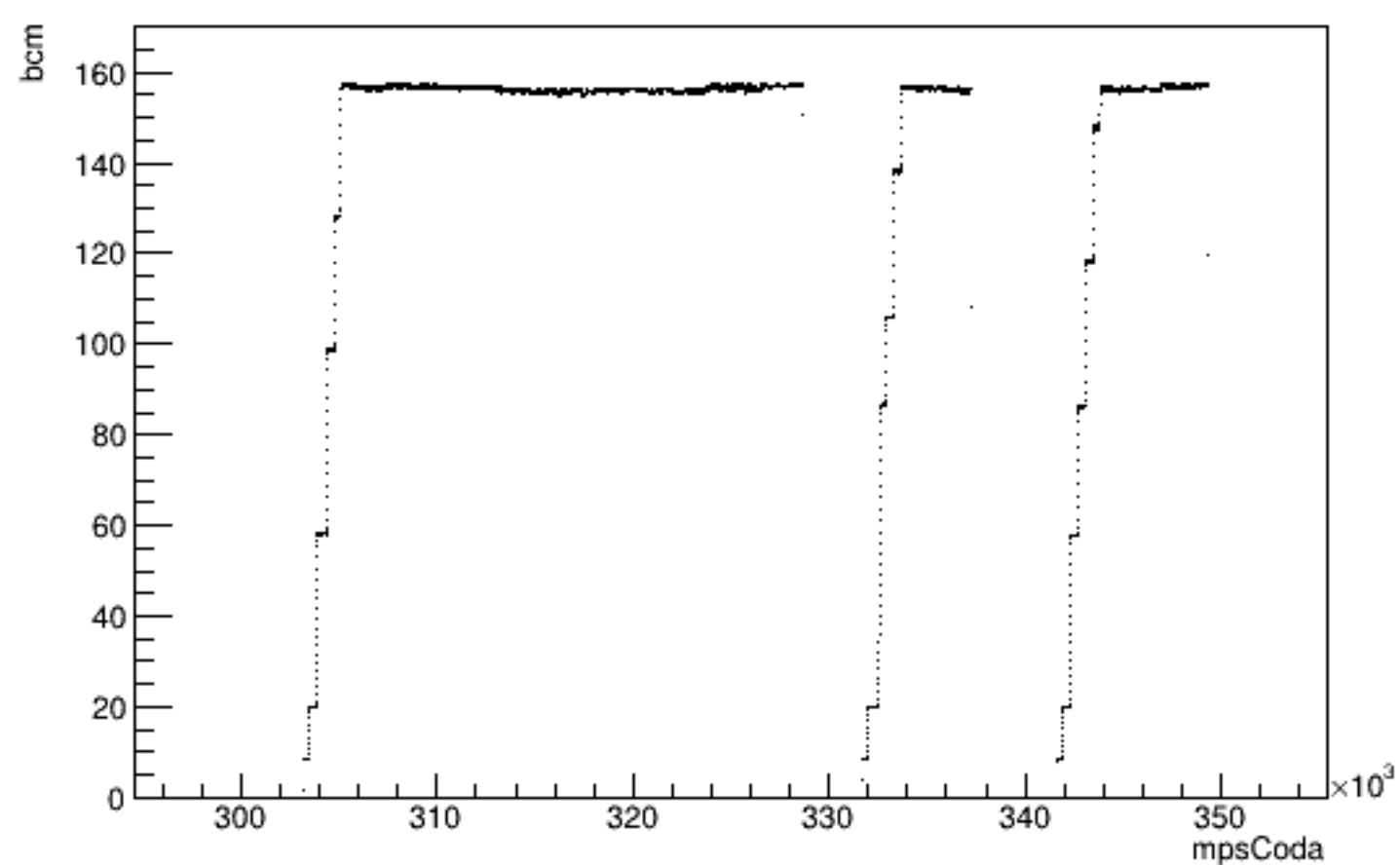
beamState + 1:mpsCoda {mpsCoda&gt;=300896 &amp;&amp; mpsCoda&lt;=349527}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=300896 &amp;&amp; mpsCoda&lt;=349527}



bcm:mpsCoda {mpsCoda&gt;=300896 &amp;&amp; mpsCoda&lt;=349527}





# Cycle 9, Diffs

**Entries: 701**

**Mean: 0.0088 +/- 0.0155**

**Std Dev: 0.4113 +/- 0.0110**

**Entries: 1270**

**Mean: 0.9085 +/- 0.0264**

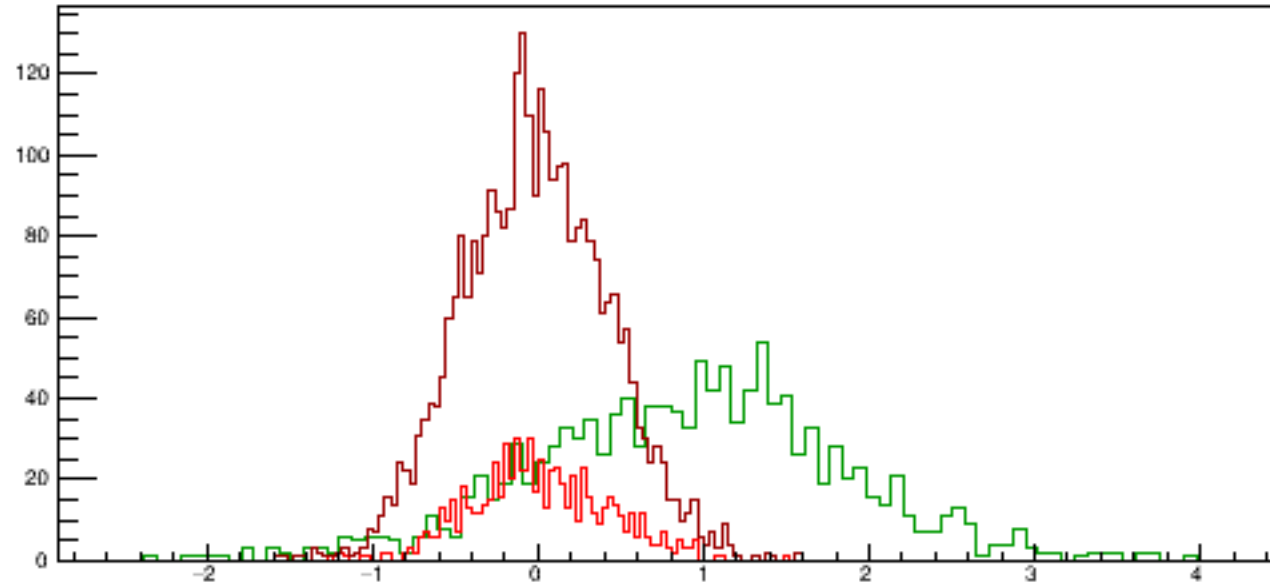
**Std Dev: 0.9405 +/- 0.0187**

**Entries: 3128**

**Mean: -0.0181 +/- 0.0078**

**Std Dev: 0.4370 +/- 0.0055**

Run 4979 quartetwise, Diffs



# Cycle 9, Sums

**Entries: 701**

**Mean: 7.2766 +/- 0.0254**

**Std Dev: 0.6720 +/- 0.0179**

**Entries: 1270**

**Mean: 36.5661 +/- 0.1357**

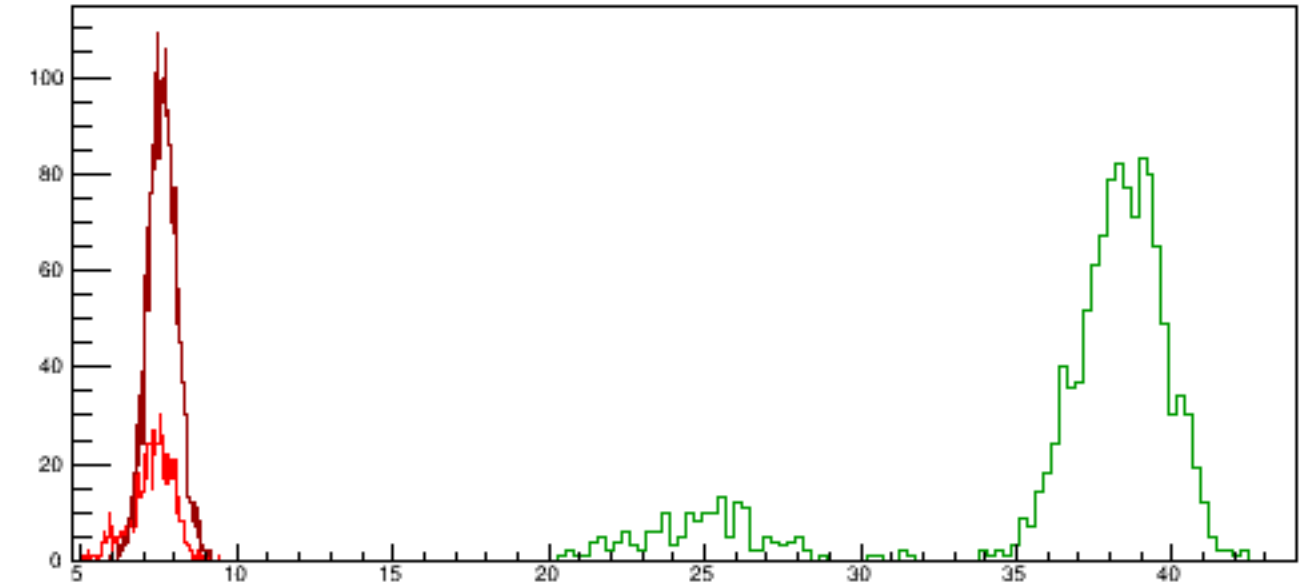
**Std Dev: 4.8351 +/- 0.0959**

**Entries: 3128**

**Mean: 7.5958 +/- 0.0085**

**Std Dev: 0.4776 +/- 0.0060**

Run 4979 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=379668 && mpsCoda<=418751 && beamState==1)

# Cycle 9, Asyms

**Entries: 701**

**Mean: 0.0003 +/- 0.0005**

**Std Dev: 0.0141 +/- 0.0004**

**Entries: 1270**

**Mean: 0.0315 +/- 0.0010**

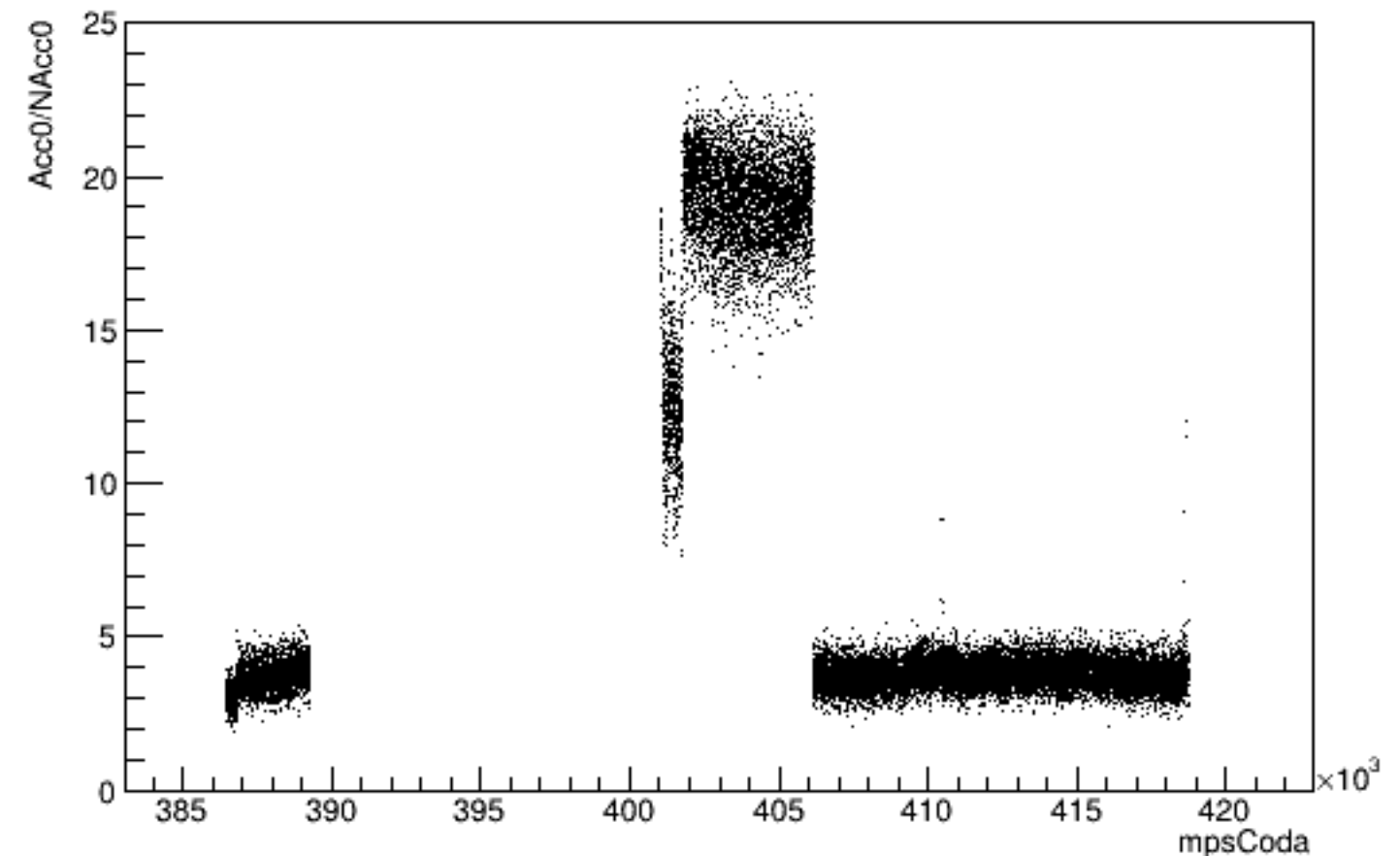
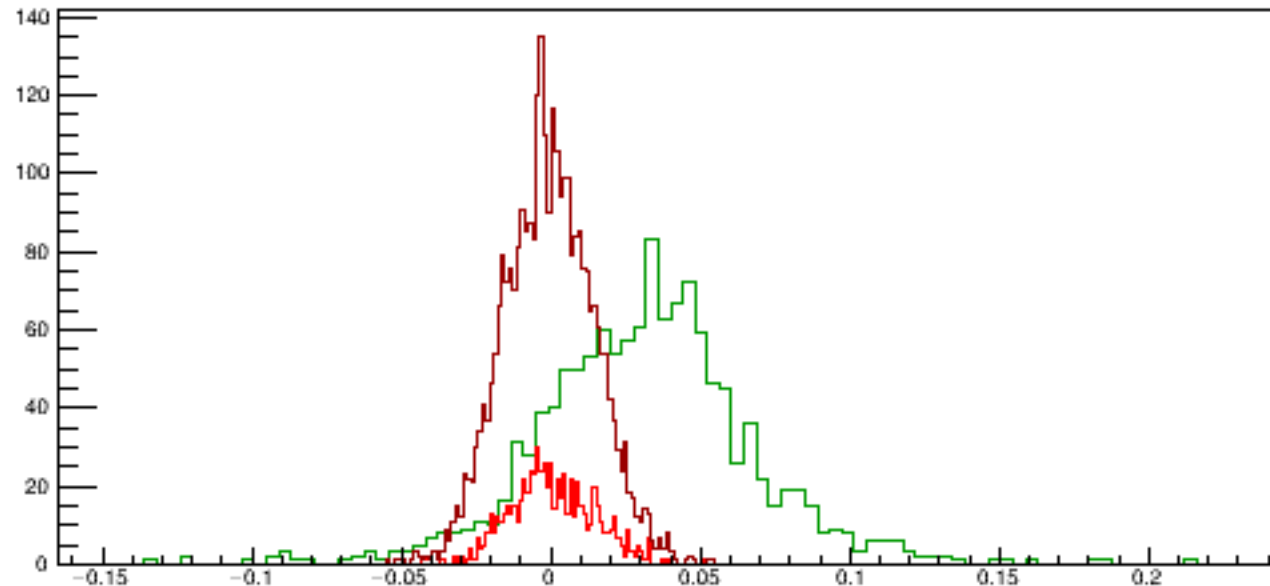
**Std Dev: 0.0361 +/- 0.0007**

**Entries: 3128**

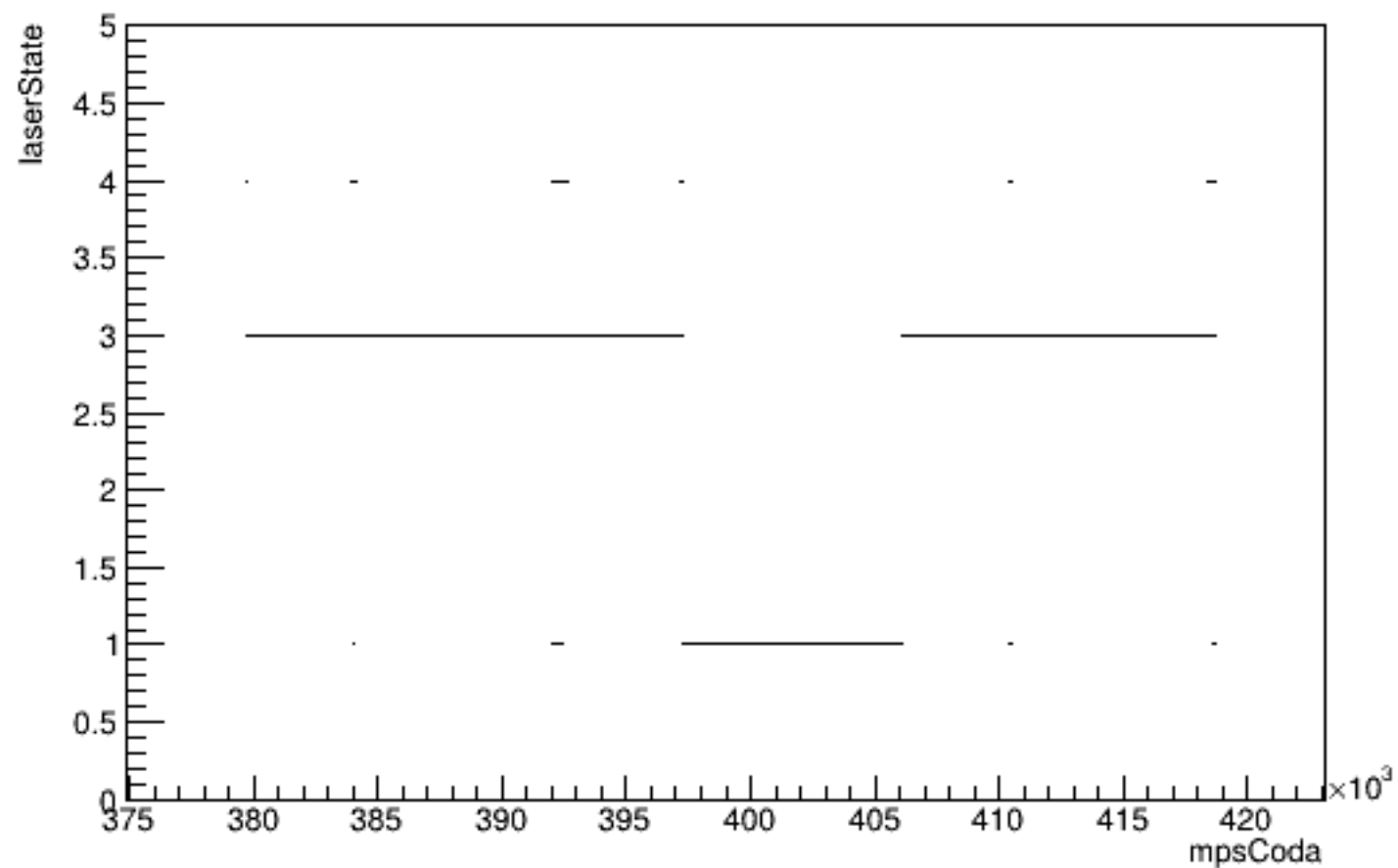
**Mean: -0.0006 +/- 0.0003**

**Std Dev: 0.0150 +/- 0.0002**

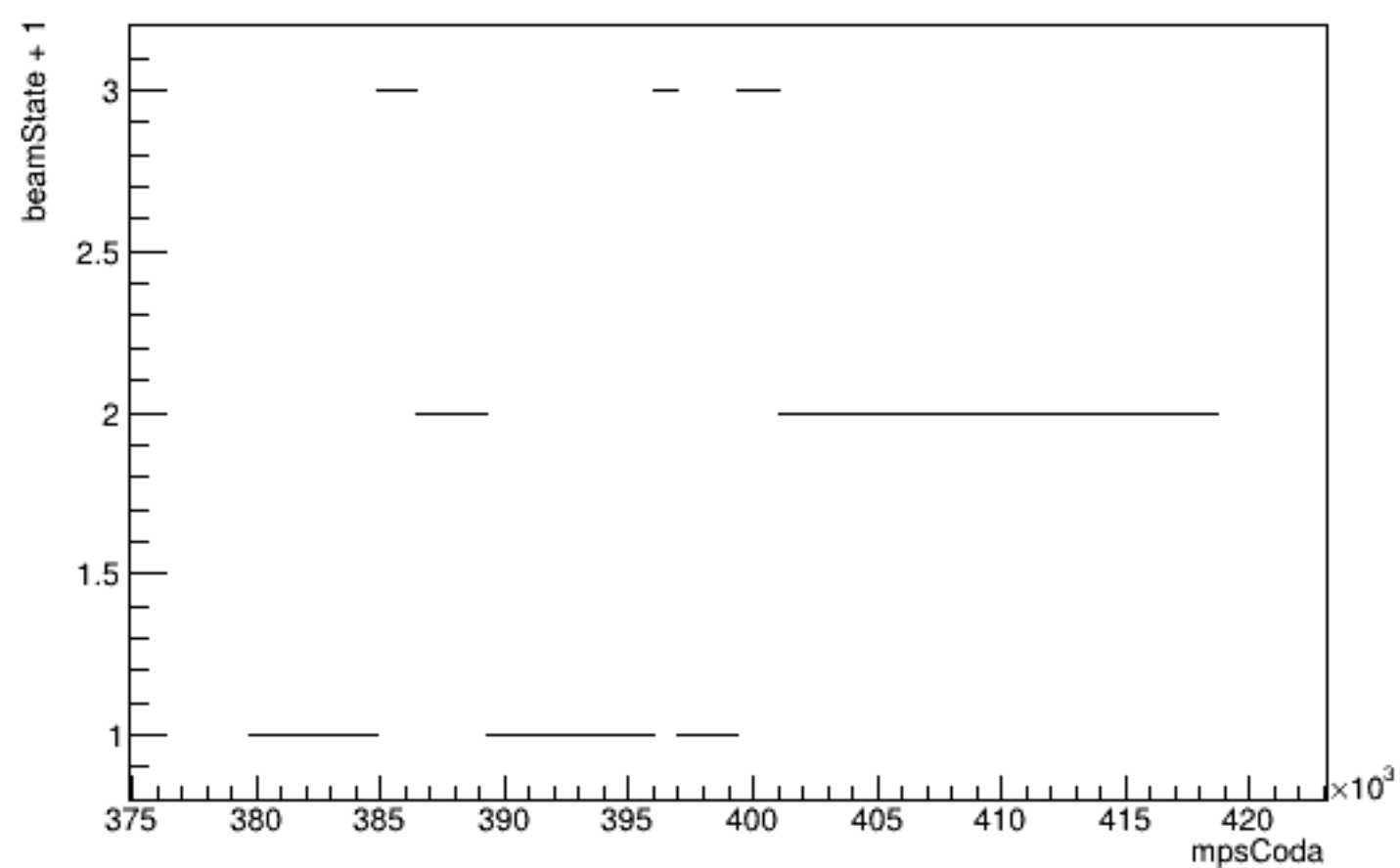
Run 4979 quartetwise, Asyms



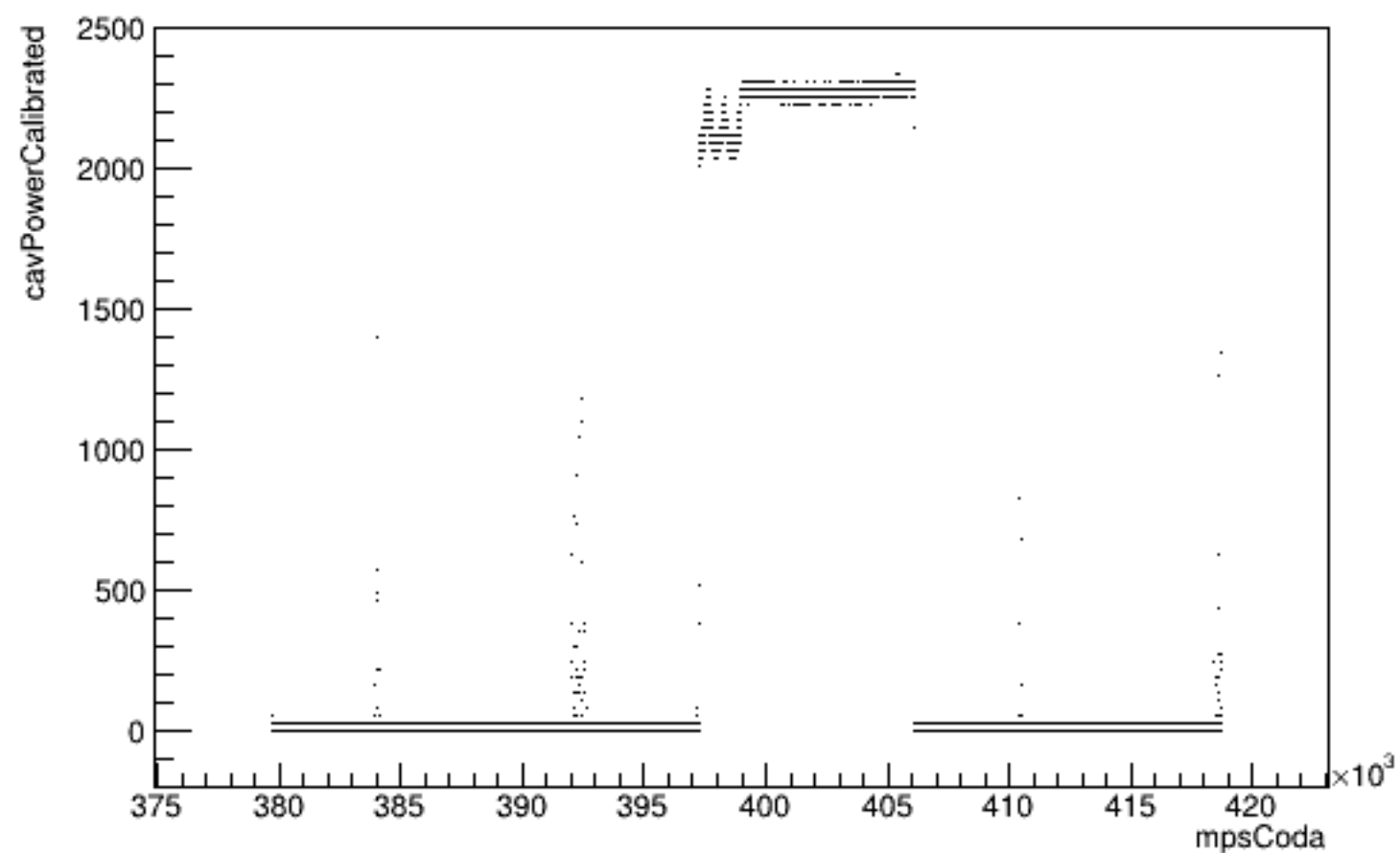
laserState:mpsCoda {mpsCoda&gt;=379668 &amp;&amp; mpsCoda&lt;=418751}



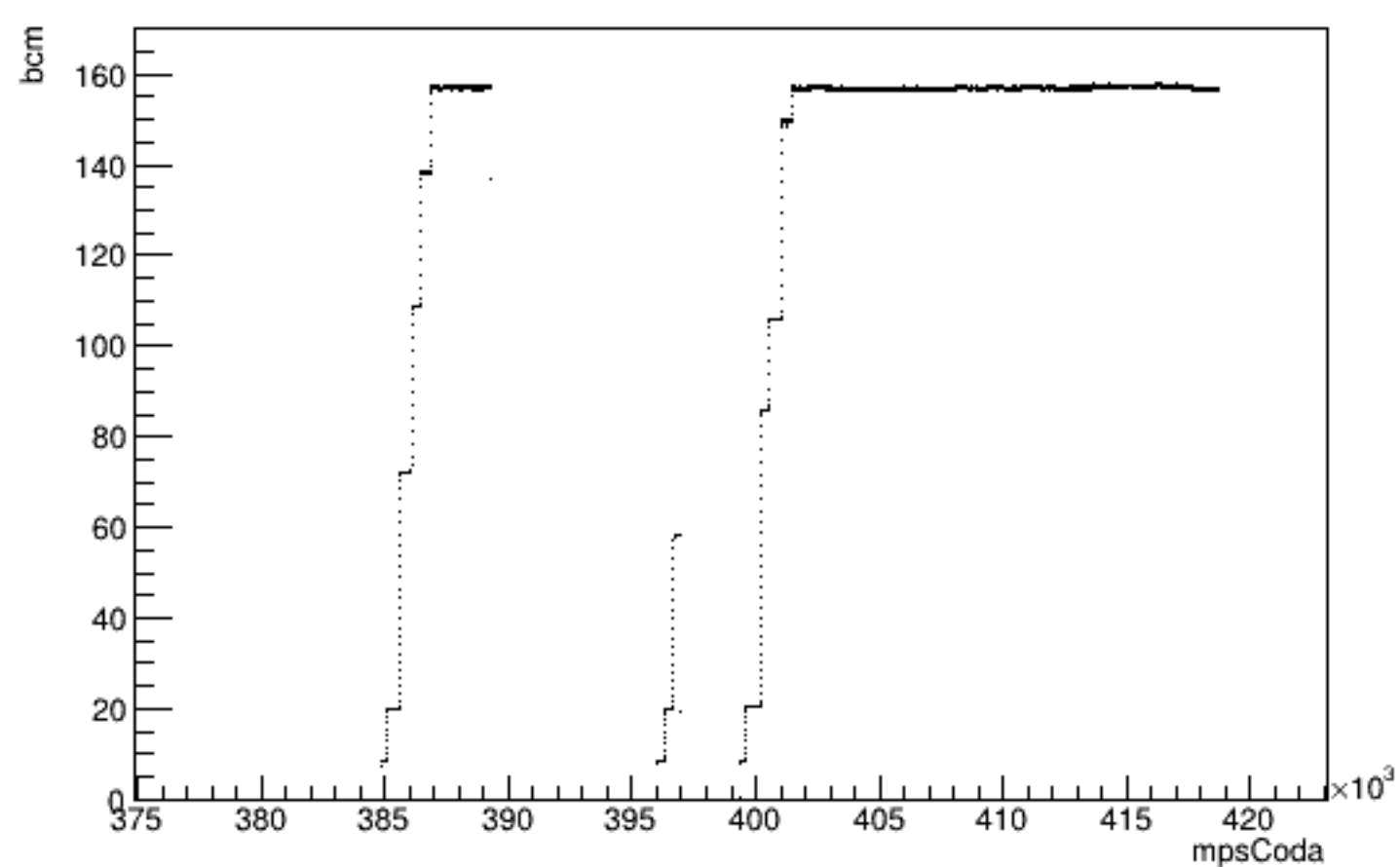
beamState + 1:mpsCoda {mpsCoda&gt;=379668 &amp;&amp; mpsCoda&lt;=418751}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=379668 &amp;&amp; mpsCoda&lt;=418751}



bcm:mpsCoda {mpsCoda&gt;=379668 &amp;&amp; mpsCoda&lt;=418751}



## Cycle 10, Diffs

Entries: 3128

Mean: -0.0181 +/- 0.0078

Std Dev: 0.4370 +/- 0.0055

Entries: 2250

Mean: 0.9848 +/- 0.0181

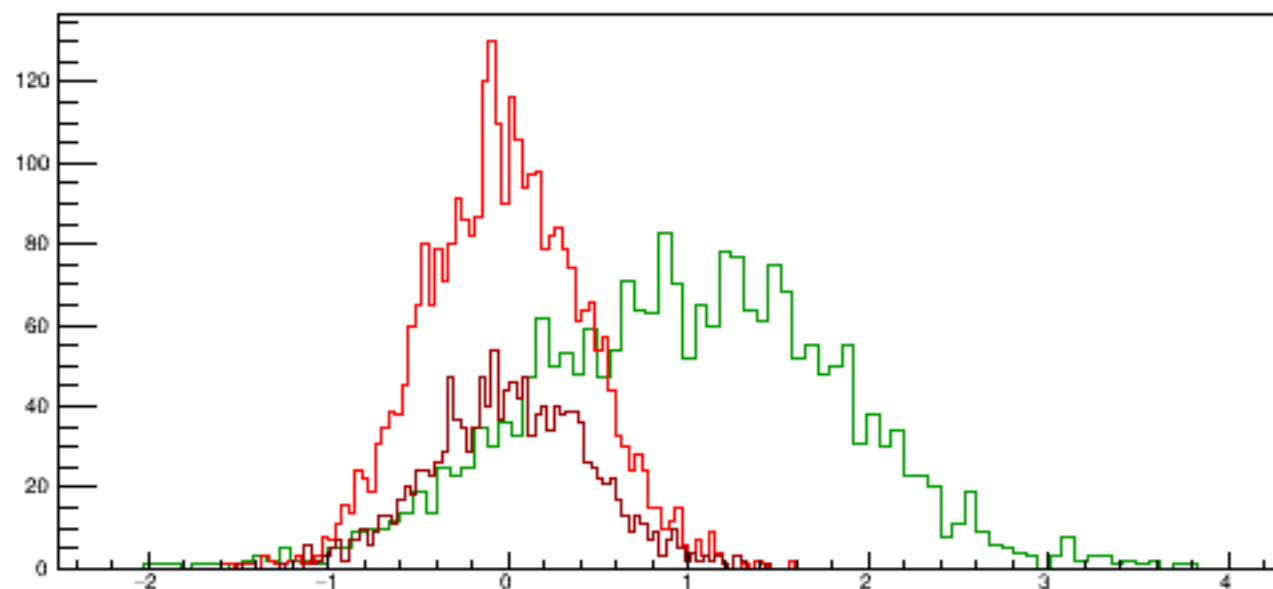
Std Dev: 0.8582 +/- 0.0128

Entries: 1405

Mean: 0.0219 +/- 0.0118

Std Dev: 0.4410 +/- 0.0083

Run 4979 quartetwise, Diffs



## Cycle 10, Sums

Entries: 3128

Mean: 7.5958 +/- 0.0085

Std Dev: 0.4776 +/- 0.0060

Entries: 2250

Mean: 37.5647 +/- 0.0291

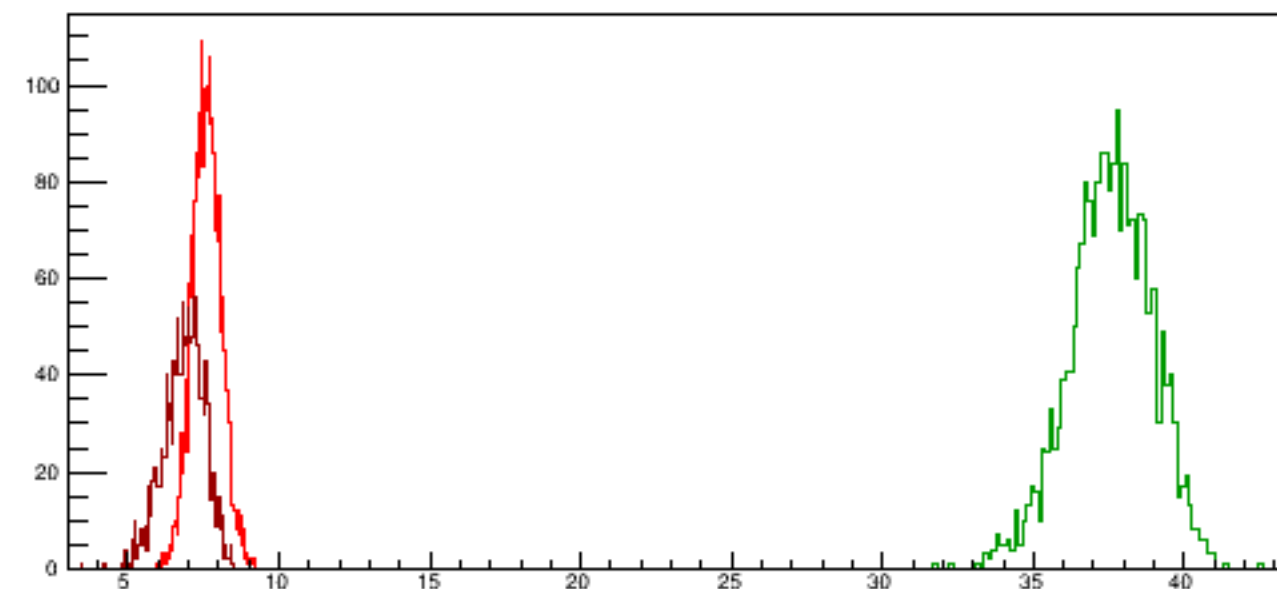
Std Dev: 1.3797 +/- 0.0206

Entries: 1405

Mean: 6.8399 +/- 0.0179

Std Dev: 0.6721 +/- 0.0127

Run 4979 quartetwise, Sums



## Cycle 10, Asyms

Entries: 3128

Mean: -0.0006 +/- 0.0003

Std Dev: 0.0144 +/- 0.0002

Entries: 2250

Mean: 0.0324 +/- 0.0006

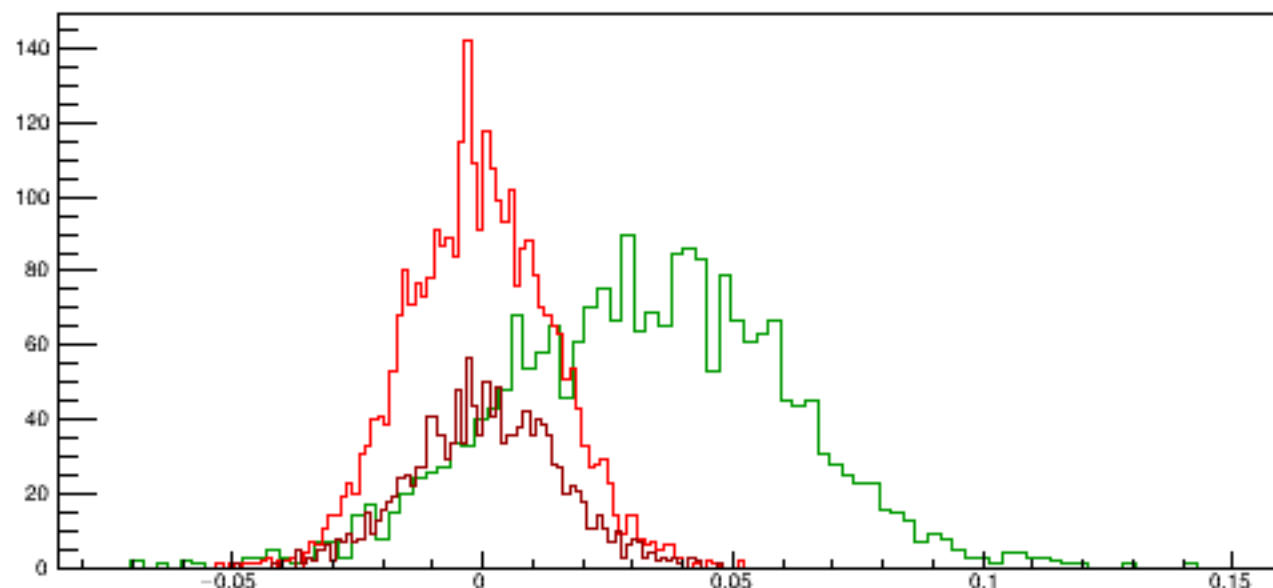
Std Dev: 0.0285 +/- 0.0004

Entries: 1405

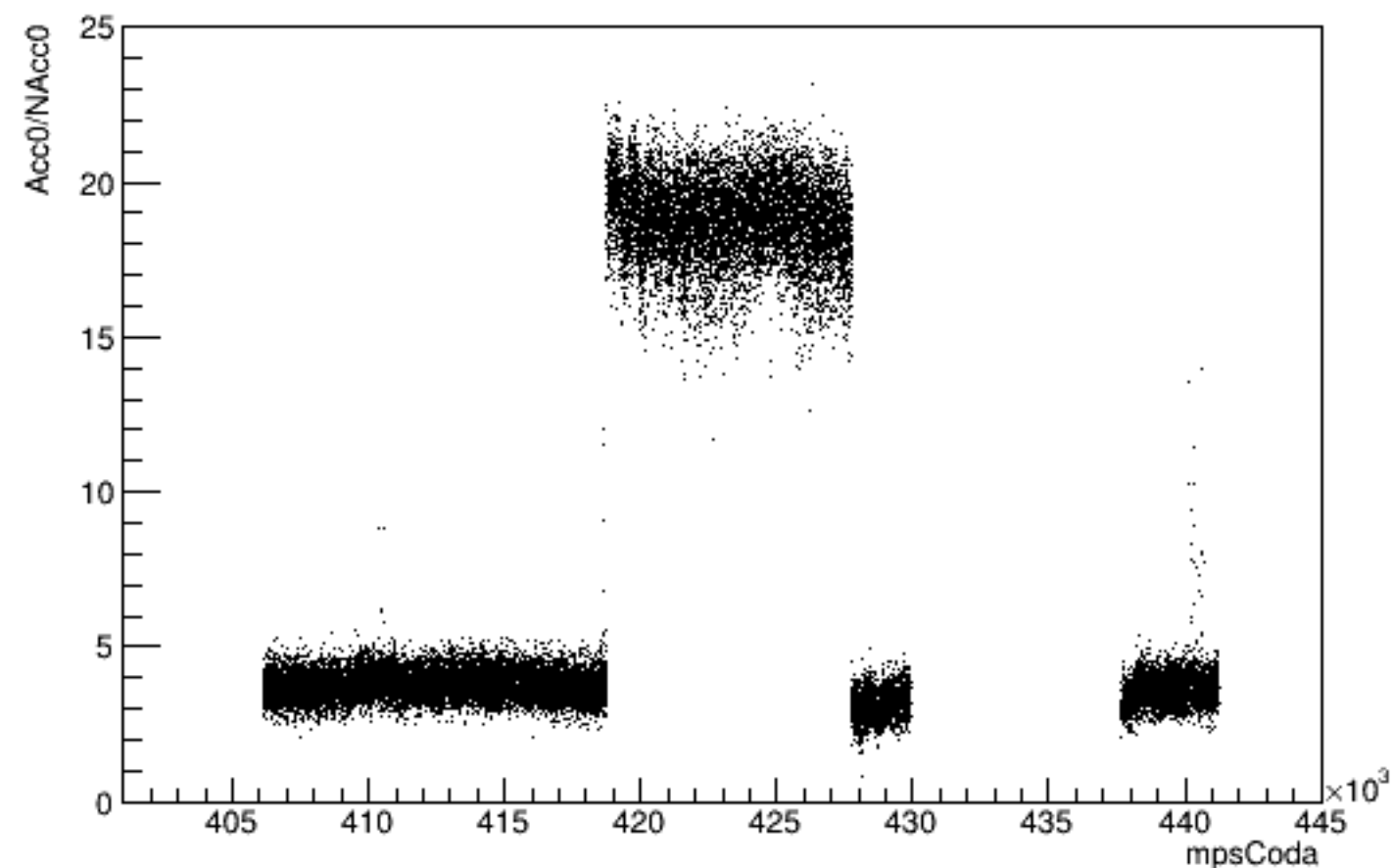
Mean: 0.0007 +/- 0.0004

Std Dev: 0.0145 +/- 0.0003

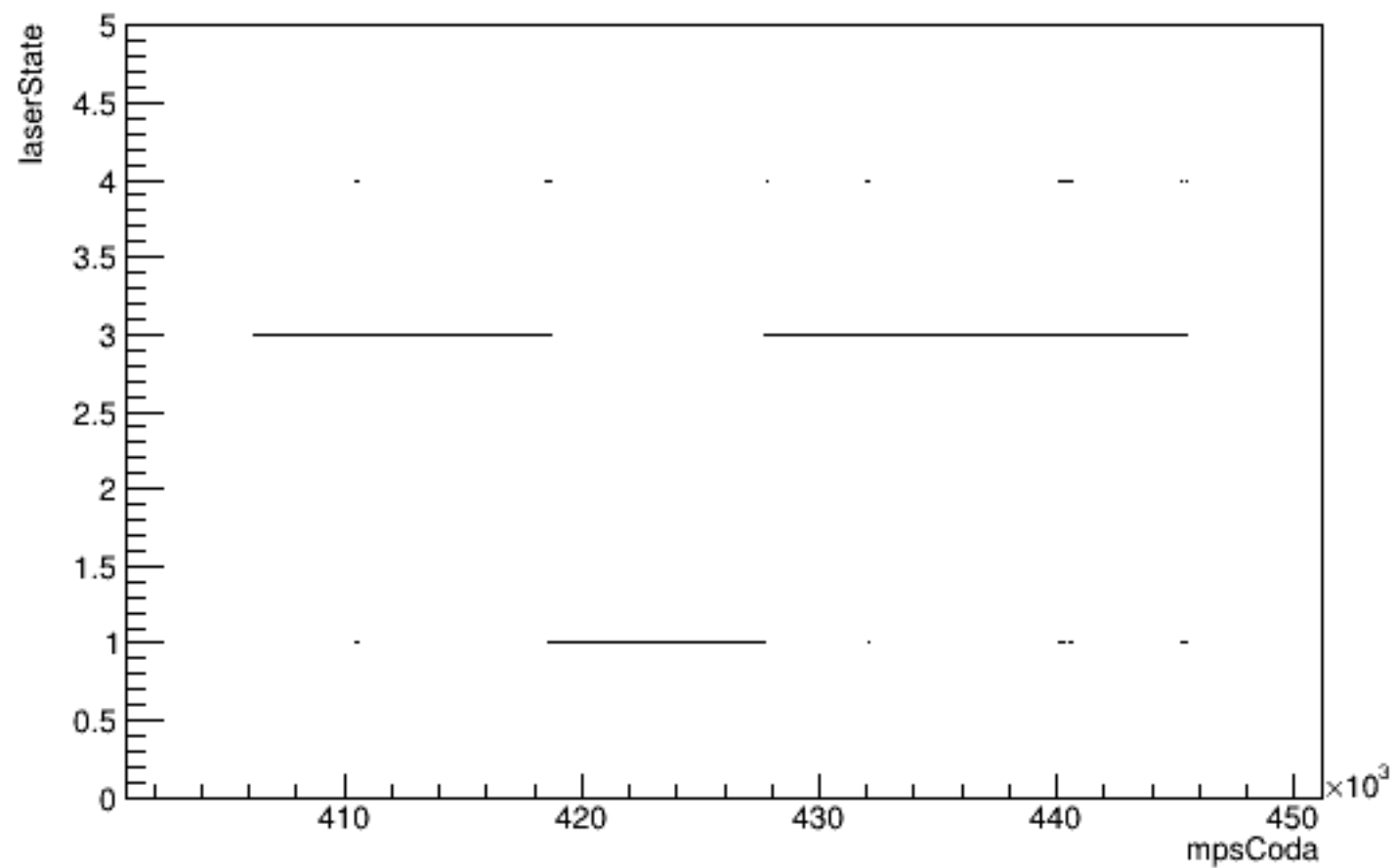
Run 4979 quartetwise, Asyms



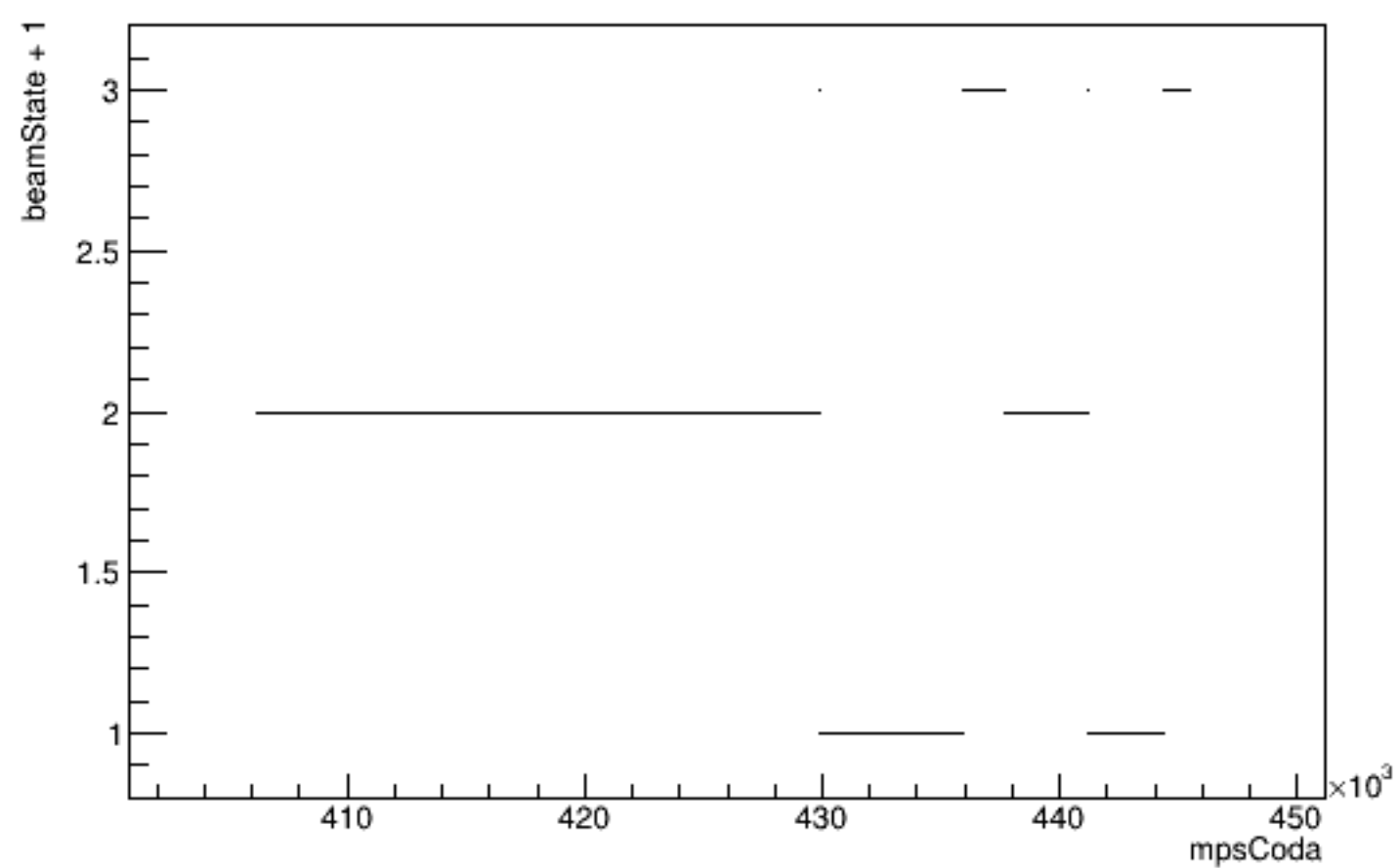
Acc0/NAcc0:mpsCoda (mpsCoda>=406144 && mpsCoda<=445435 && beamState==1)



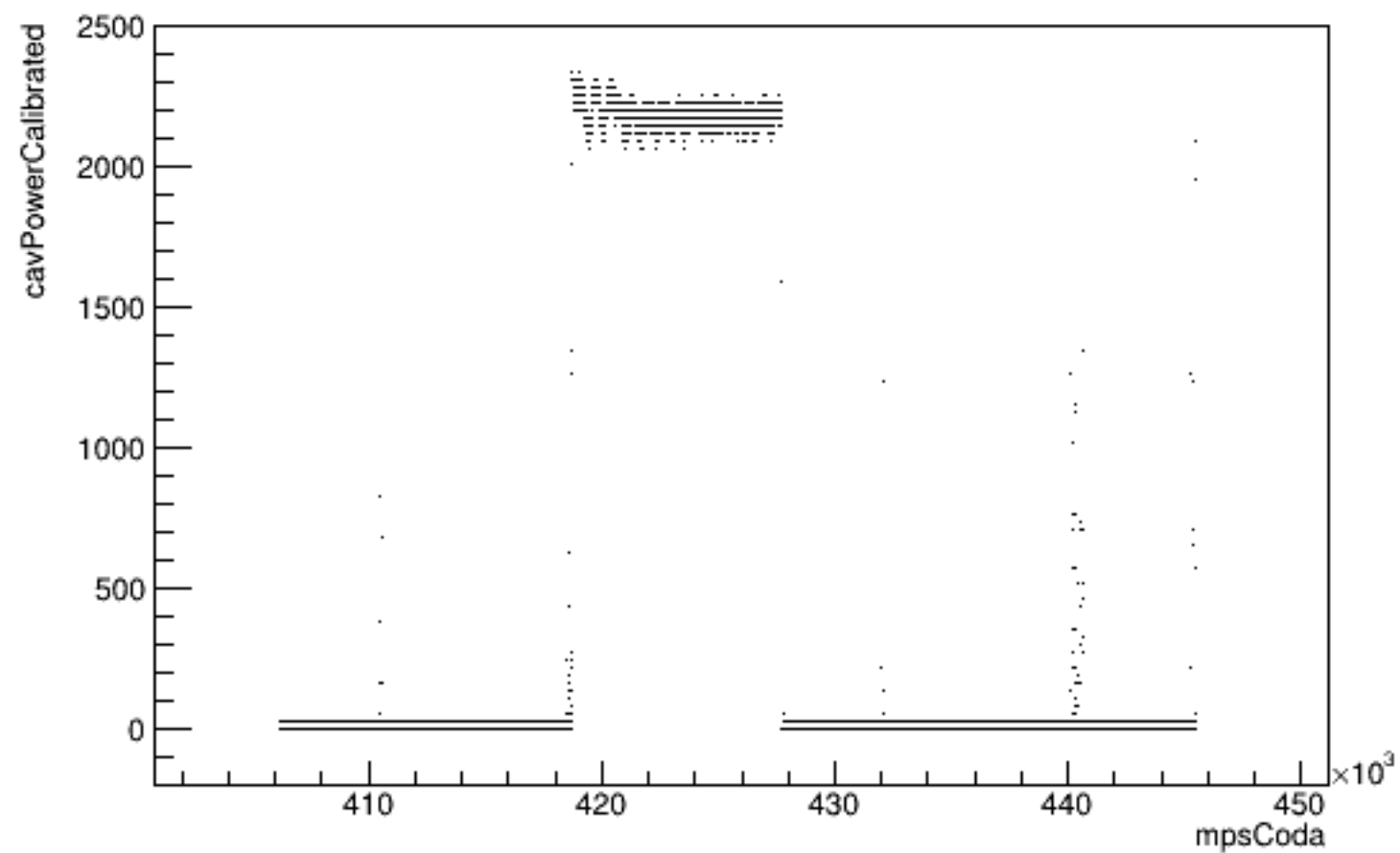
laserState:mpsCoda {mpsCoda&gt;=406144 &amp;&amp; mpsCoda&lt;=445435}



beamState + 1:mpsCoda {mpsCoda&gt;=406144 &amp;&amp; mpsCoda&lt;=445435}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=406144 &amp;&amp; mpsCoda&lt;=445435}



bcm:mpsCoda {mpsCoda&gt;=406144 &amp;&amp; mpsCoda&lt;=445435}

