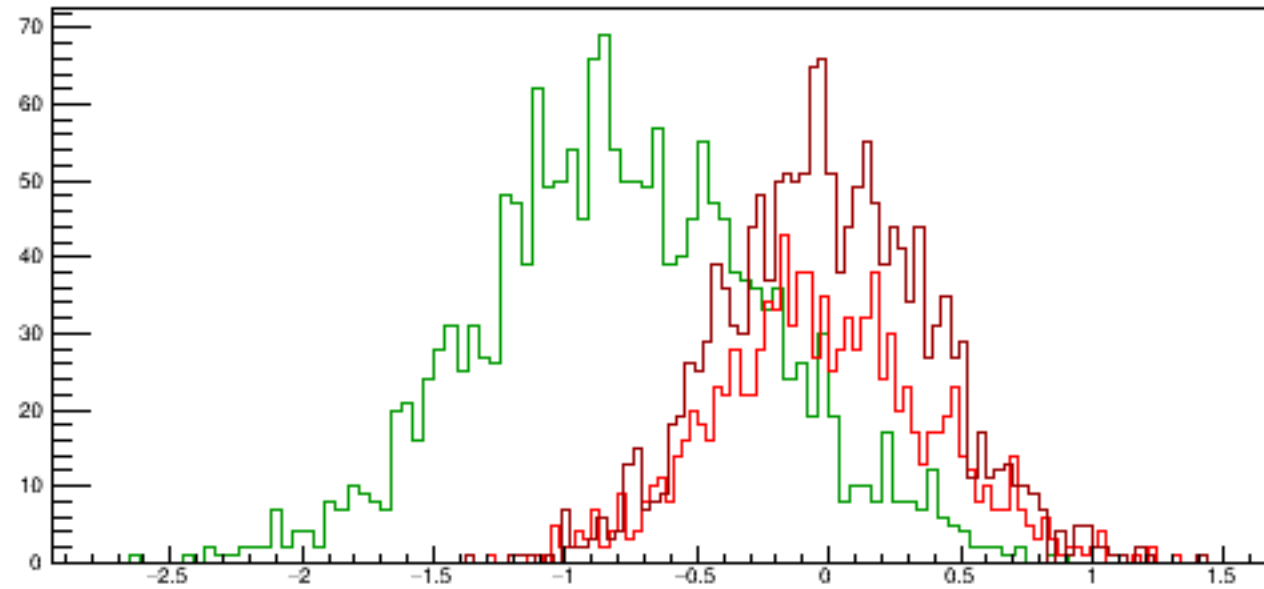


# Cycle 1, Diffs

<b>Entries: 1091</b>	<b>Entries: 1801</b>	<b>Entries: 1559</b>
<b>Mean: -0.0270 +/- 0.0124</b>	<b>Mean: -0.7794 +/- 0.0127</b>	<b>Mean: -0.0042 +/- 0.0100</b>
<b>Std Dev: 0.4101 +/- 0.0088</b>	<b>Std Dev: 0.5408 +/- 0.0090</b>	<b>Std Dev: 0.3929 +/- 0.0070</b>

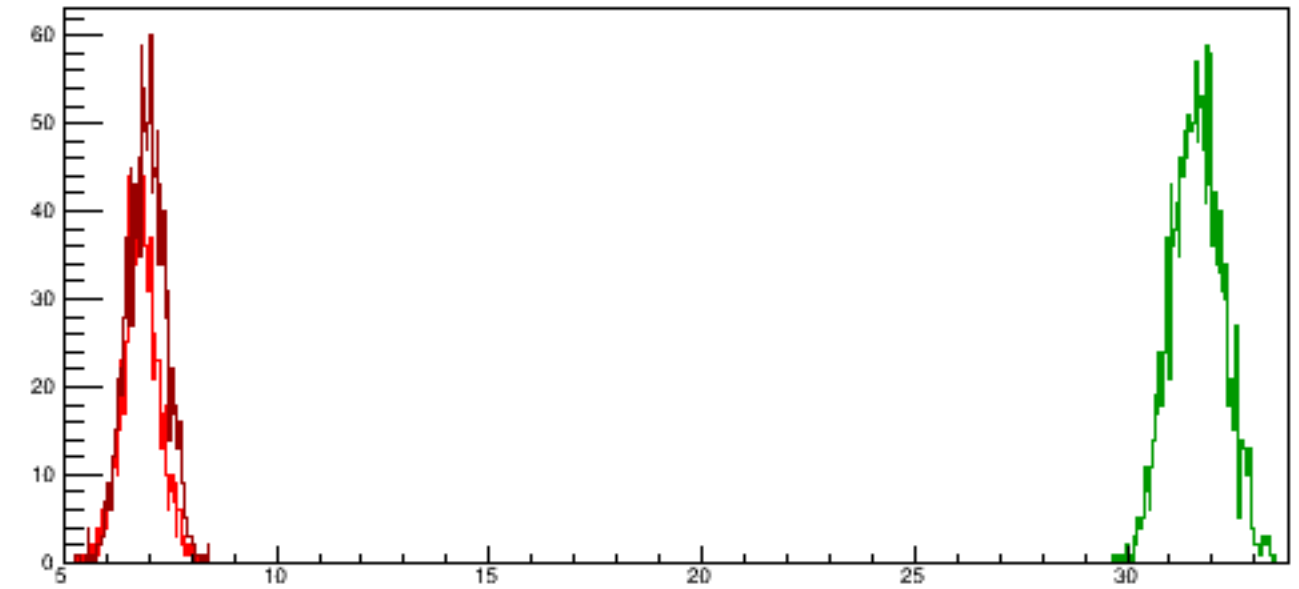
Run 6089 quartetwise, Diffs



# Cycle 1, Sums

<b>Entries: 1091</b>	<b>Entries: 1801</b>	<b>Entries: 1559</b>
<b>Mean: 6.8076 +/- 0.0130</b>	<b>Mean: 31.6517 +/- 0.0143</b>	<b>Mean: 6.9393 +/- 0.0115</b>
<b>Std Dev: 0.4289 +/- 0.0092</b>	<b>Std Dev: 0.6051 +/- 0.0101</b>	<b>Std Dev: 0.4539 +/- 0.0081</b>

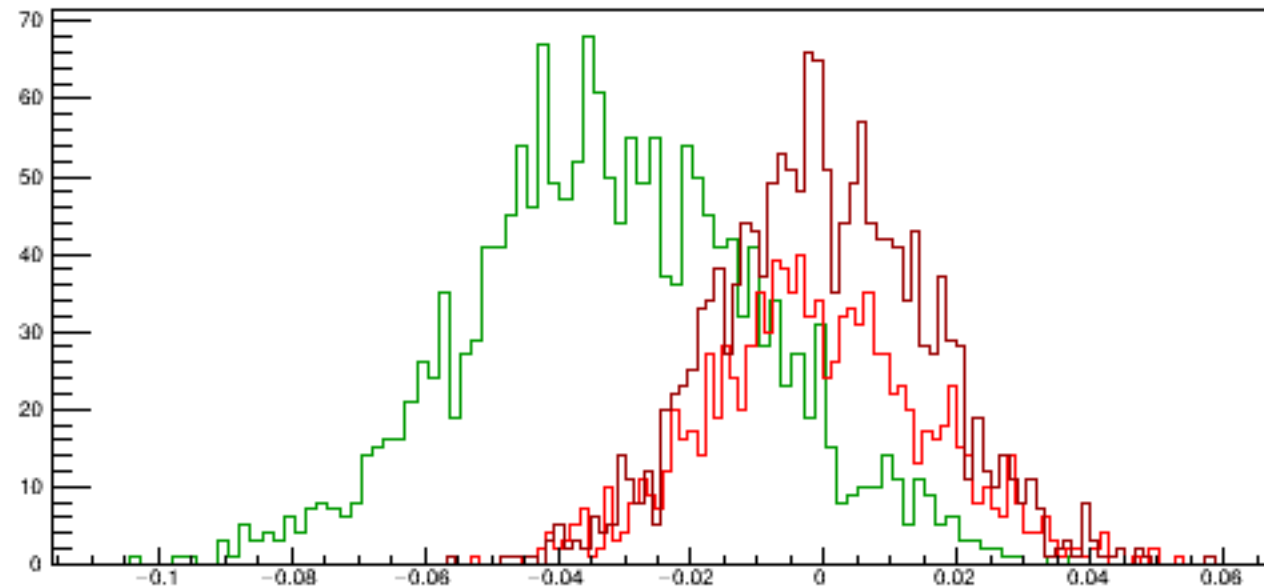
Run 6089 quartetwise, Sums



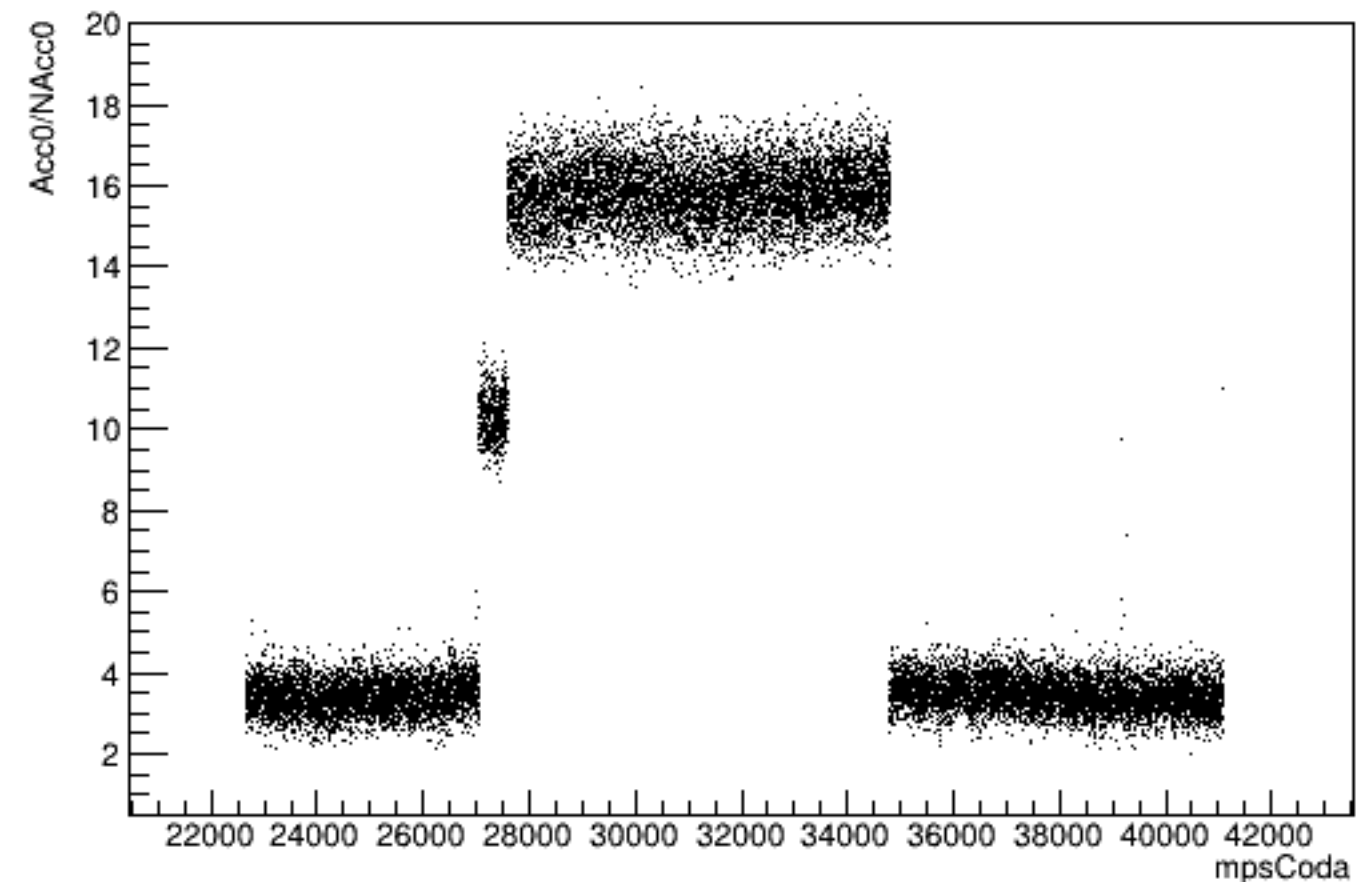
# Cycle 1, Asyms

<b>Entries: 1091</b>	<b>Entries: 1801</b>	<b>Entries: 1559</b>
<b>Mean: -0.0011 +/- 0.0005</b>	<b>Mean: -0.0315 +/- 0.0005</b>	<b>Mean: -0.0002 +/- 0.0004</b>
<b>Std Dev: 0.0166 +/- 0.0004</b>	<b>Std Dev: 0.0218 +/- 0.0004</b>	<b>Std Dev: 0.0159 +/- 0.0003</b>

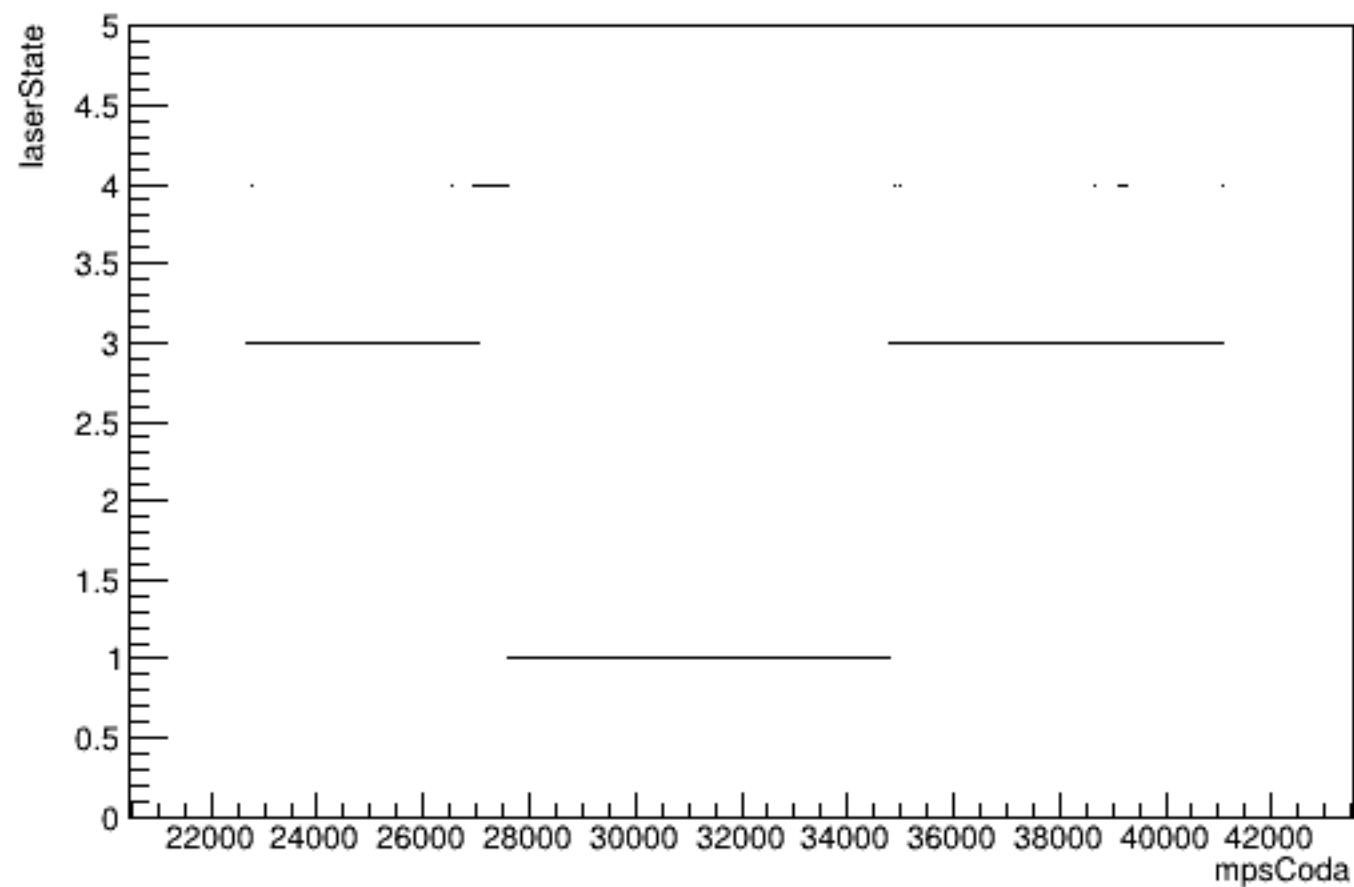
Run 6089 quartetwise, Asyms



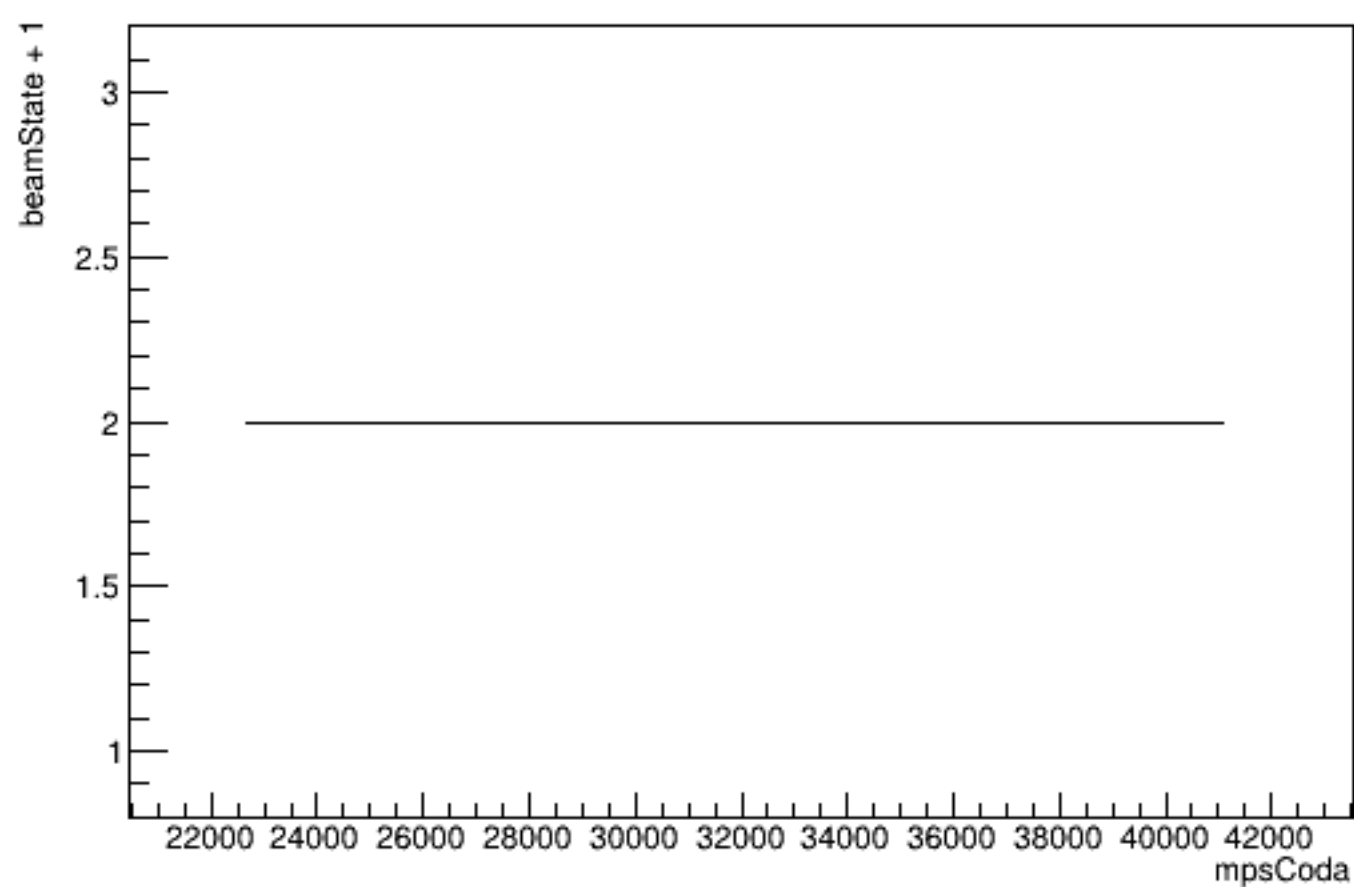
Acc0/NAcc0:mpsCoda {mpsCoda>=22660 && mpsCoda<=41079 && beamState==1}



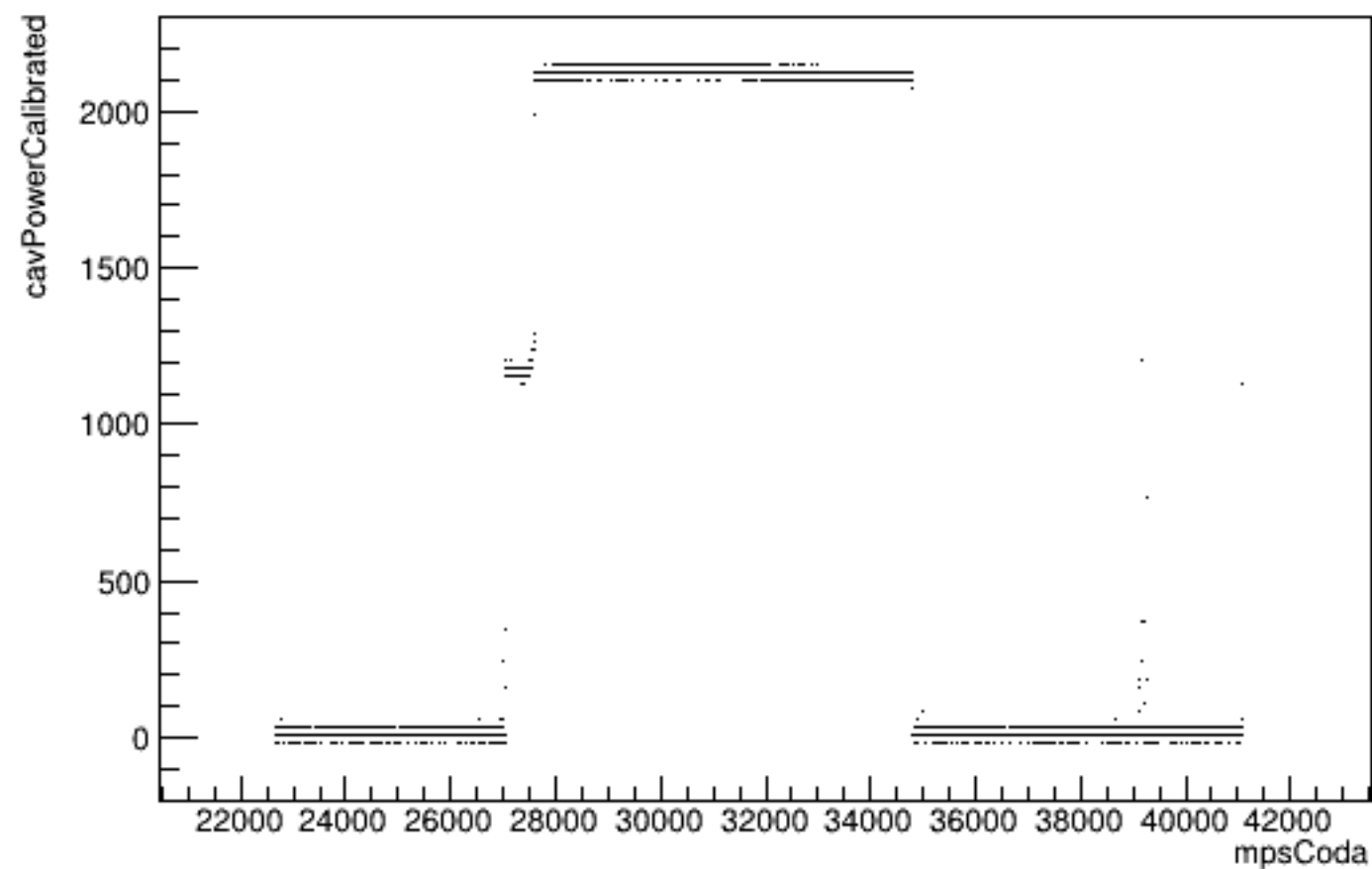
laserState:mpsCoda {mpsCoda&gt;=22660 &amp;&amp; mpsCoda&lt;=41079}



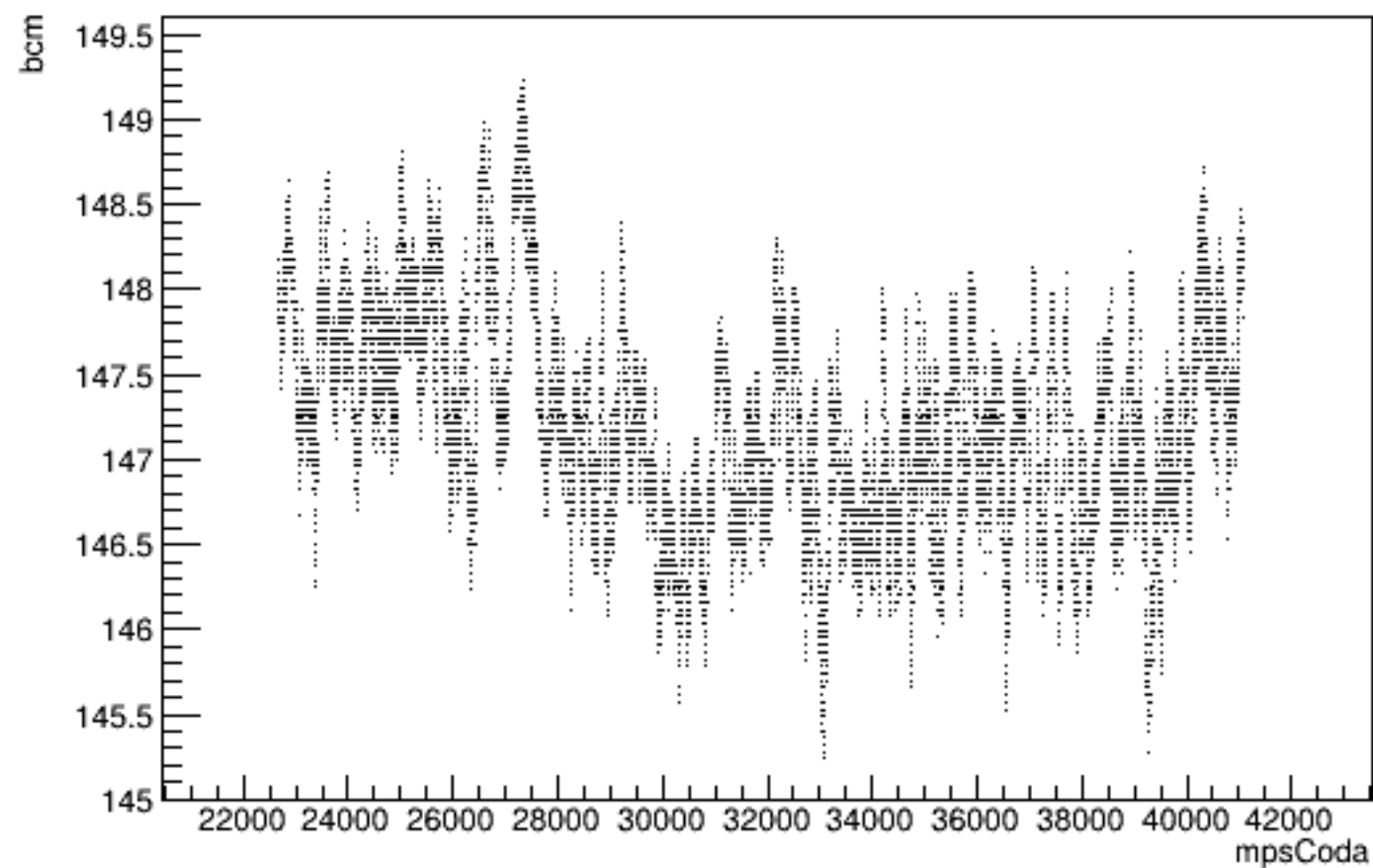
beamState + 1:mpsCoda {mpsCoda&gt;=22660 &amp;&amp; mpsCoda&lt;=41079}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=22660 &amp;&amp; mpsCoda&lt;=41079}



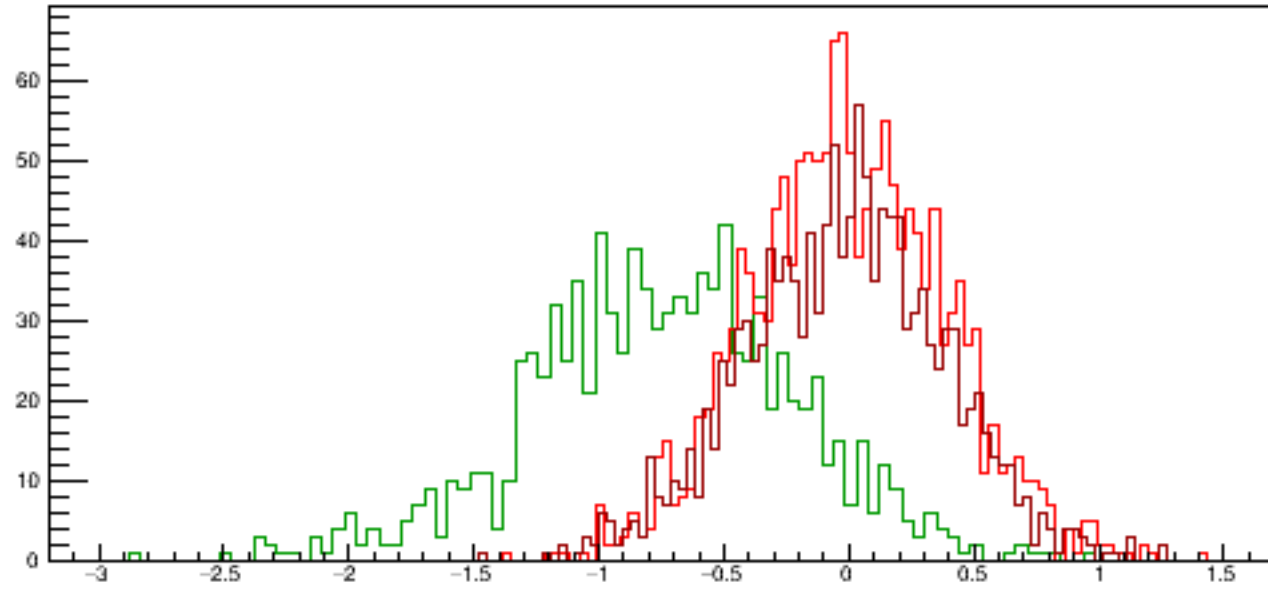
bcm:mpsCoda {mpsCoda&gt;=22660 &amp;&amp; mpsCoda&lt;=41079}



# Cycle 2, Diffs

<b>Entries: 1559</b> <b>Mean: -0.0042 +/- 0.0100</b> <b>Std Dev: 0.3929 +/- 0.0070</b>	<b>Entries: 1004</b> <b>Mean: -0.7483 +/- 0.0170</b> <b>Std Dev: 0.5399 +/- 0.0120</b>	<b>Entries: 1348</b> <b>Mean: -0.0190 +/- 0.0108</b> <b>Std Dev: 0.3980 +/- 0.0077</b>
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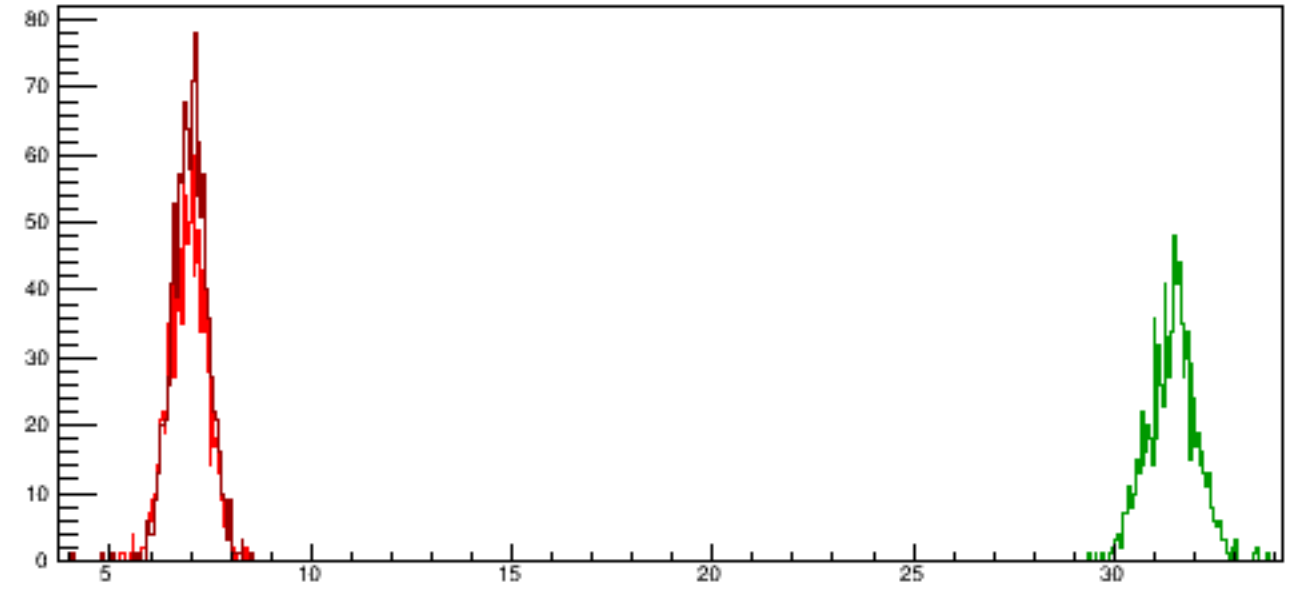
Run 6089 quartetwise, Diffs



# Cycle 2, Sums

<b>Entries: 1559</b> <b>Mean: 6.9393 +/- 0.0115</b> <b>Std Dev: 0.4539 +/- 0.0081</b>	<b>Entries: 1004</b> <b>Mean: 31.4370 +/- 0.0189</b> <b>Std Dev: 0.5995 +/- 0.0134</b>	<b>Entries: 1348</b> <b>Mean: 6.9848 +/- 0.0120</b> <b>Std Dev: 0.4423 +/- 0.0085</b>
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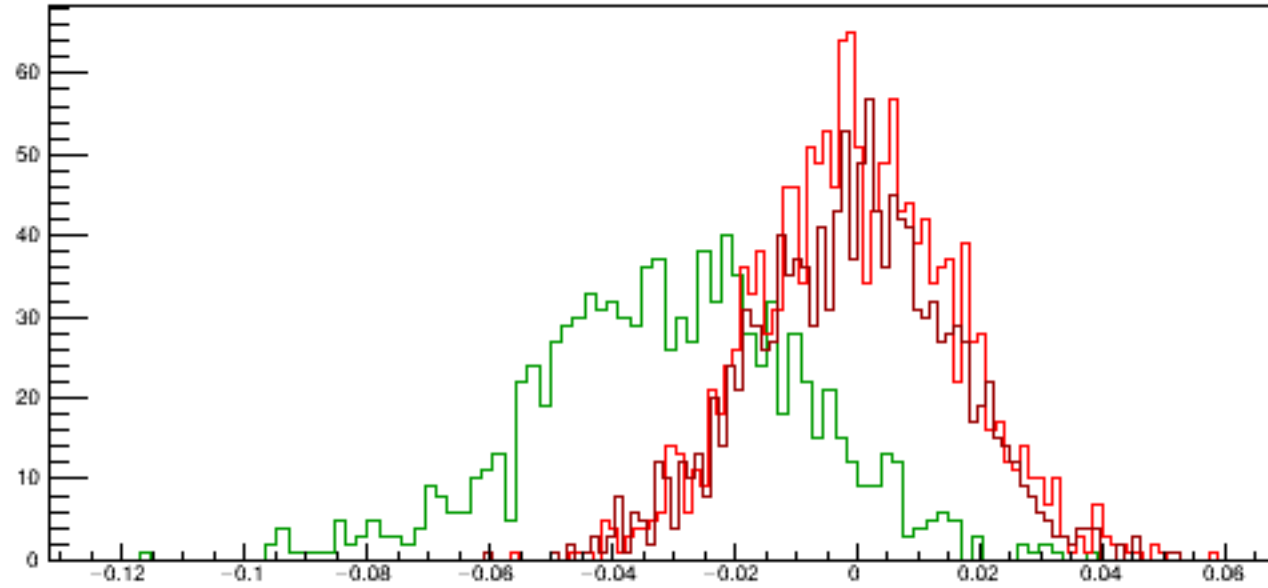
Run 6089 quartetwise, Sums



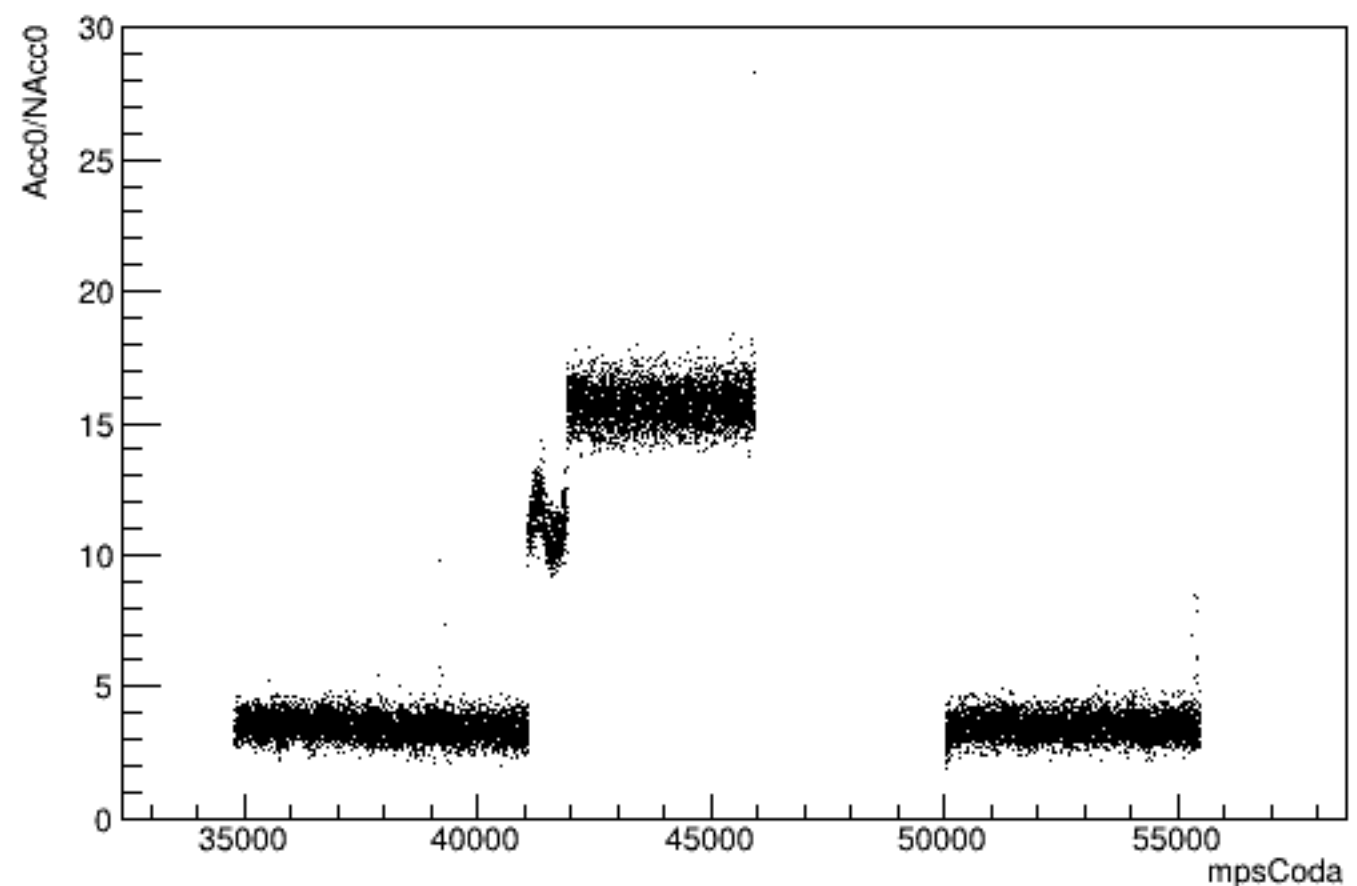
# Cycle 2, Asyms

<b>Entries: 1559</b> <b>Mean: -0.0002 +/- 0.0004</b> <b>Std Dev: 0.0161 +/- 0.0003</b>	<b>Entries: 1004</b> <b>Mean: -0.0306 +/- 0.0007</b> <b>Std Dev: 0.0220 +/- 0.0005</b>	<b>Entries: 1348</b> <b>Mean: -0.0008 +/- 0.0004</b> <b>Std Dev: 0.0163 +/- 0.0003</b>
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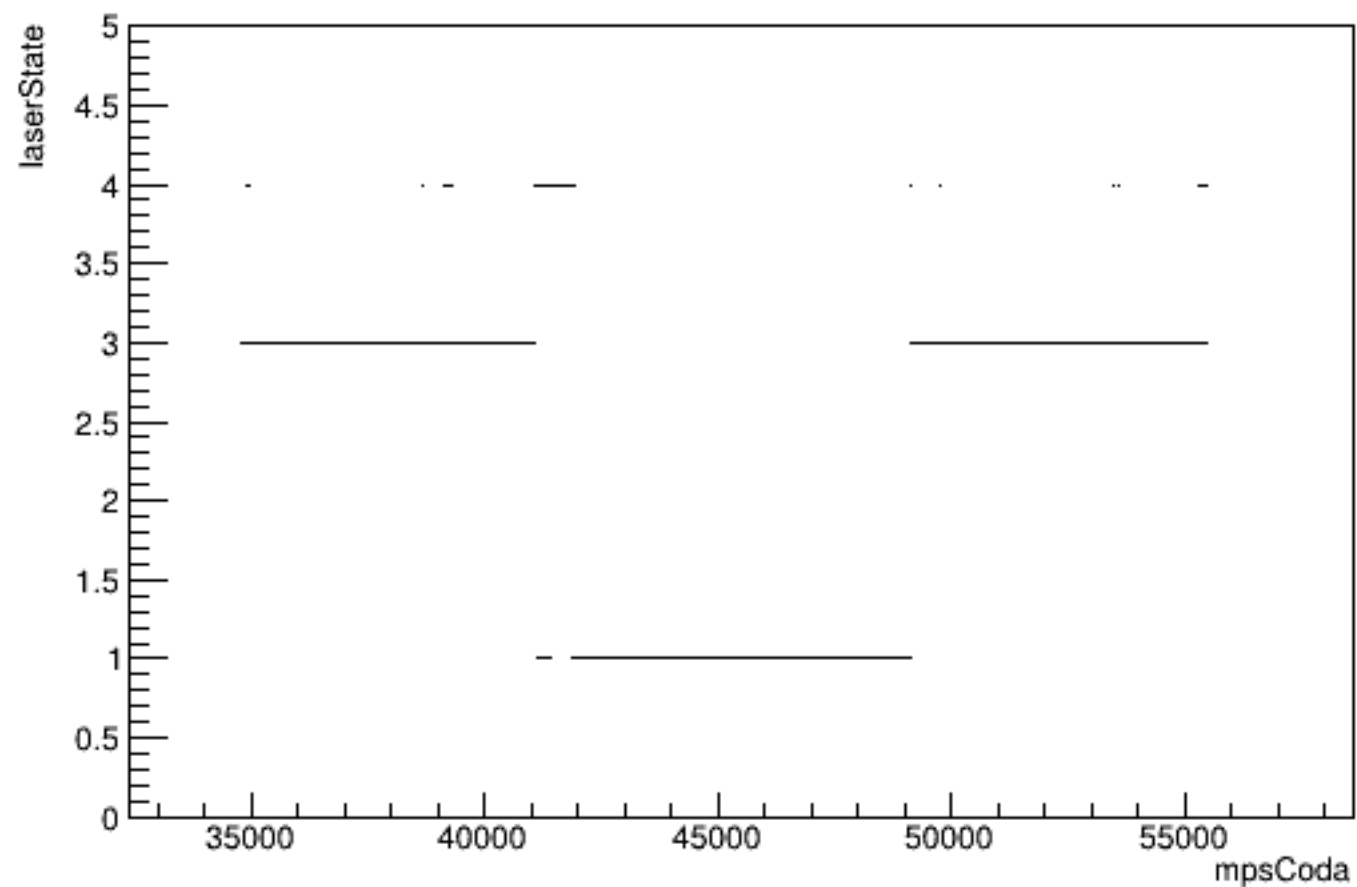
Run 6089 quartetwise, Asyms



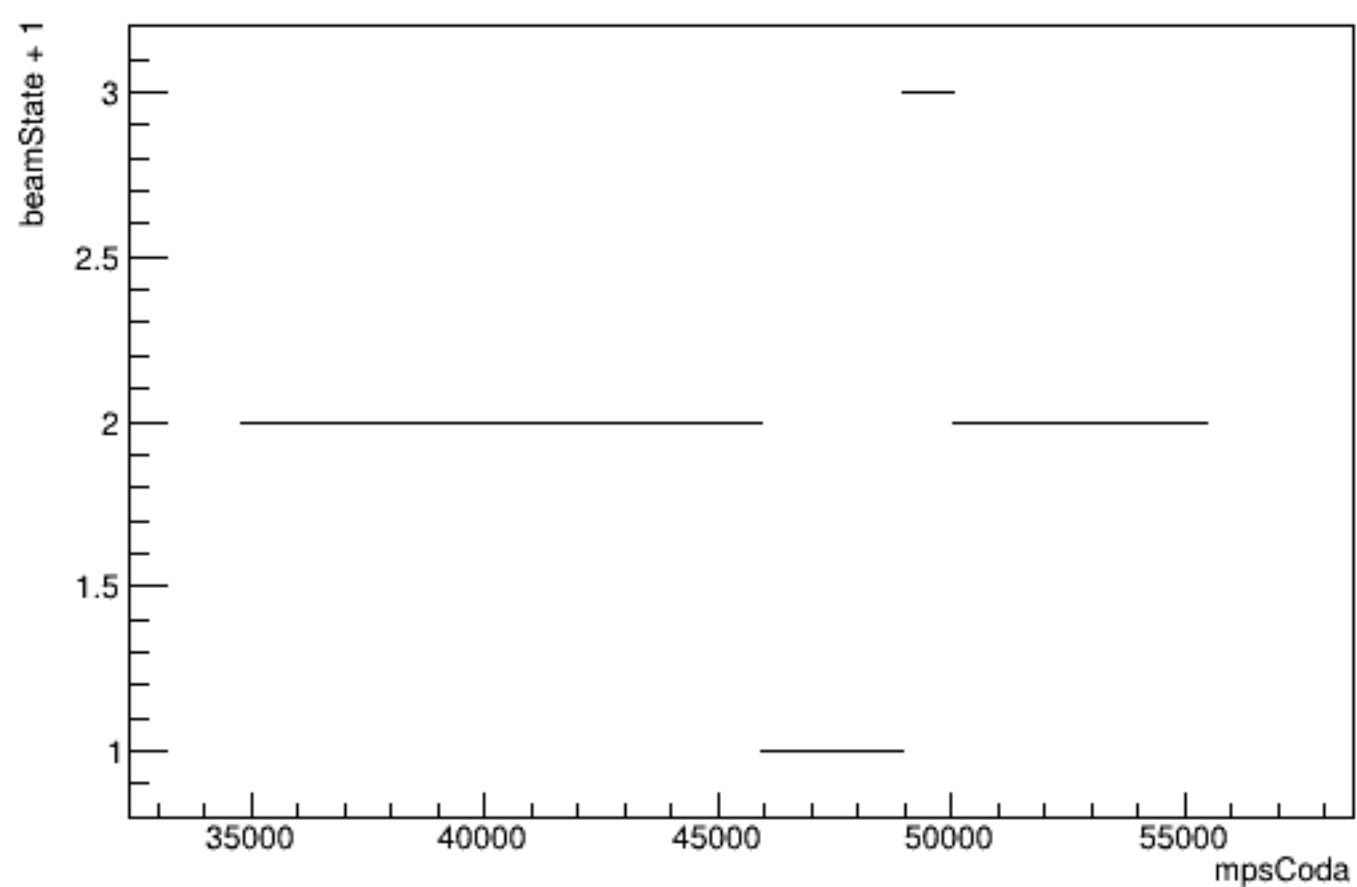
Acc0/NAcc0:mpsCoda {mpsCoda>=34796 && mpsCoda<=55475 && beamState==1}



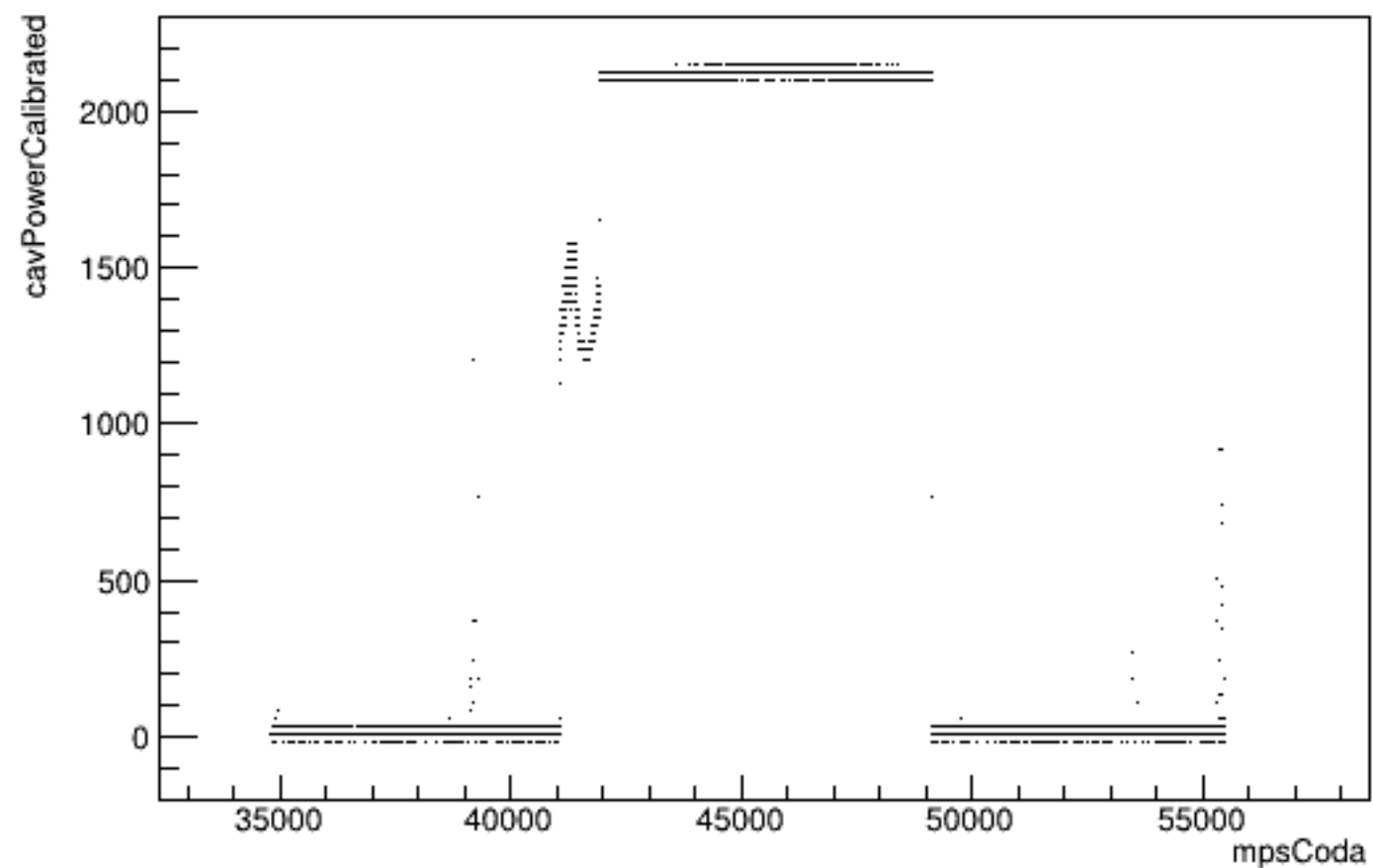
laserState:mpsCoda {mpsCoda&gt;=34796 &amp;&amp; mpsCoda&lt;=55475}



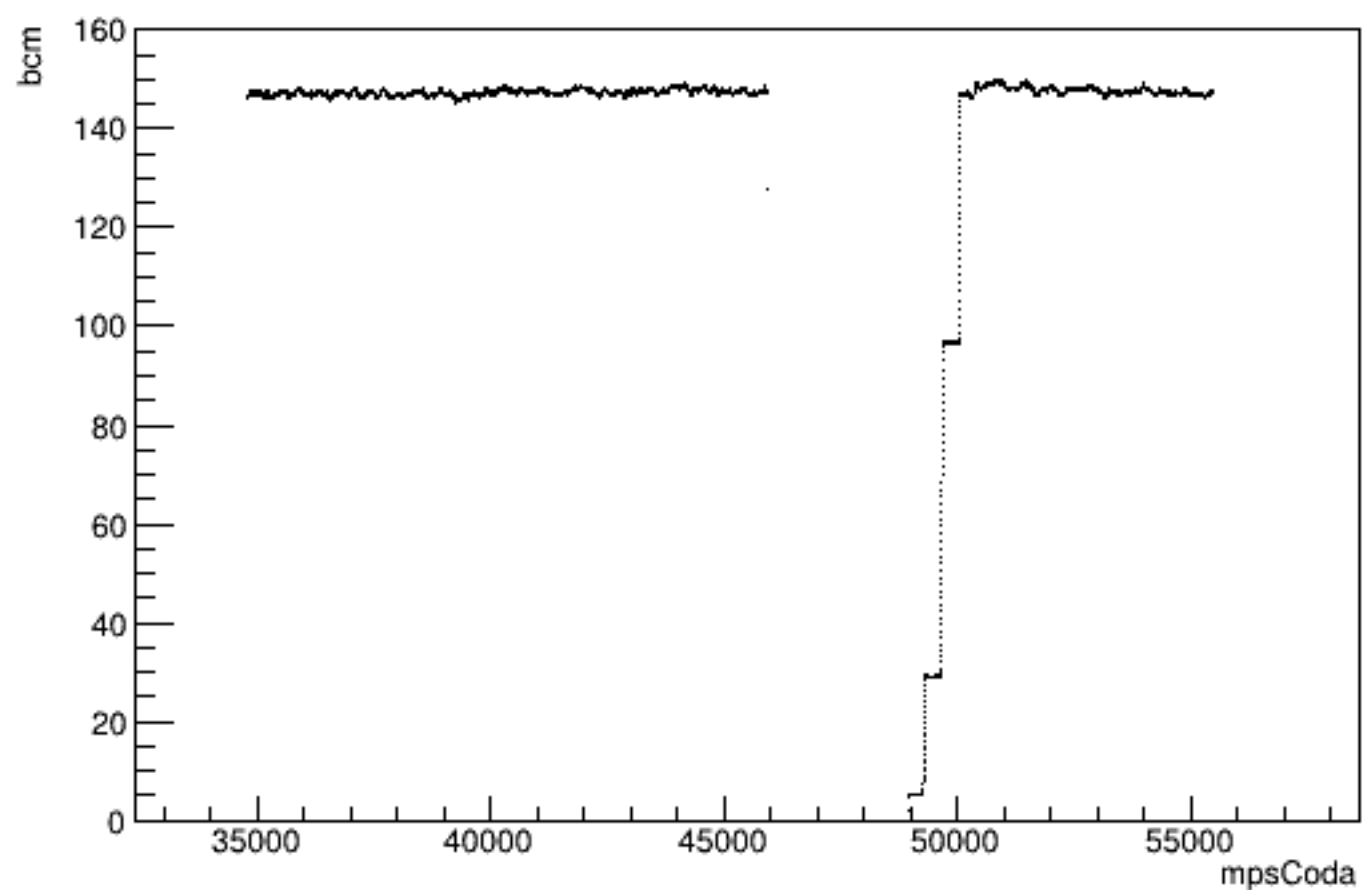
beamState + 1:mpsCoda {mpsCoda&gt;=34796 &amp;&amp; mpsCoda&lt;=55475}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=34796 &amp;&amp; mpsCoda&lt;=55475}



bcm:mpsCoda {mpsCoda&gt;=34796 &amp;&amp; mpsCoda&lt;=55475}



# Cycle 3, Diffs

**Entries: 1348**

**Mean: -0.0190 +/- 0.0108**

**Std Dev: 0.3980 +/- 0.0077**

**Entries: 1813**

**Mean: -0.7761 +/- 0.0127**

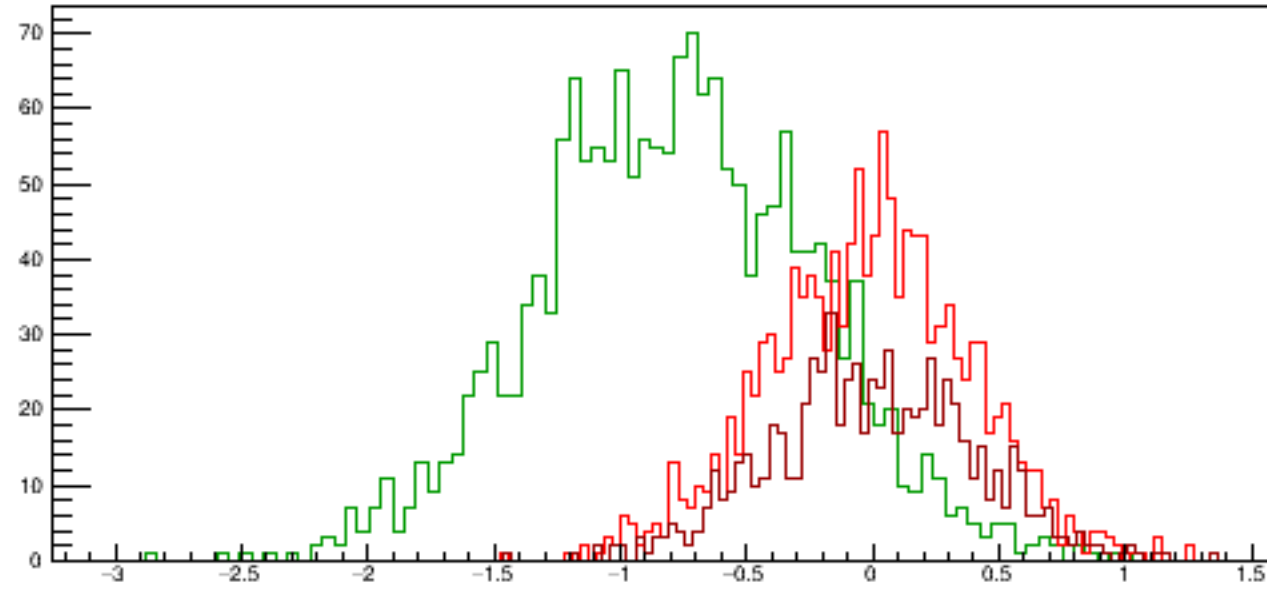
**Std Dev: 0.5423 +/- 0.0090**

**Entries: 745**

**Mean: -0.0068 +/- 0.0148**

**Std Dev: 0.4052 +/- 0.0105**

Run 6089 quartetwise, Diffs



# Cycle 3, Sums

**Entries: 1348**

**Mean: 6.9848 +/- 0.0120**

**Std Dev: 0.4423 +/- 0.0085**

**Entries: 1813**

**Mean: 31.6100 +/- 0.0201**

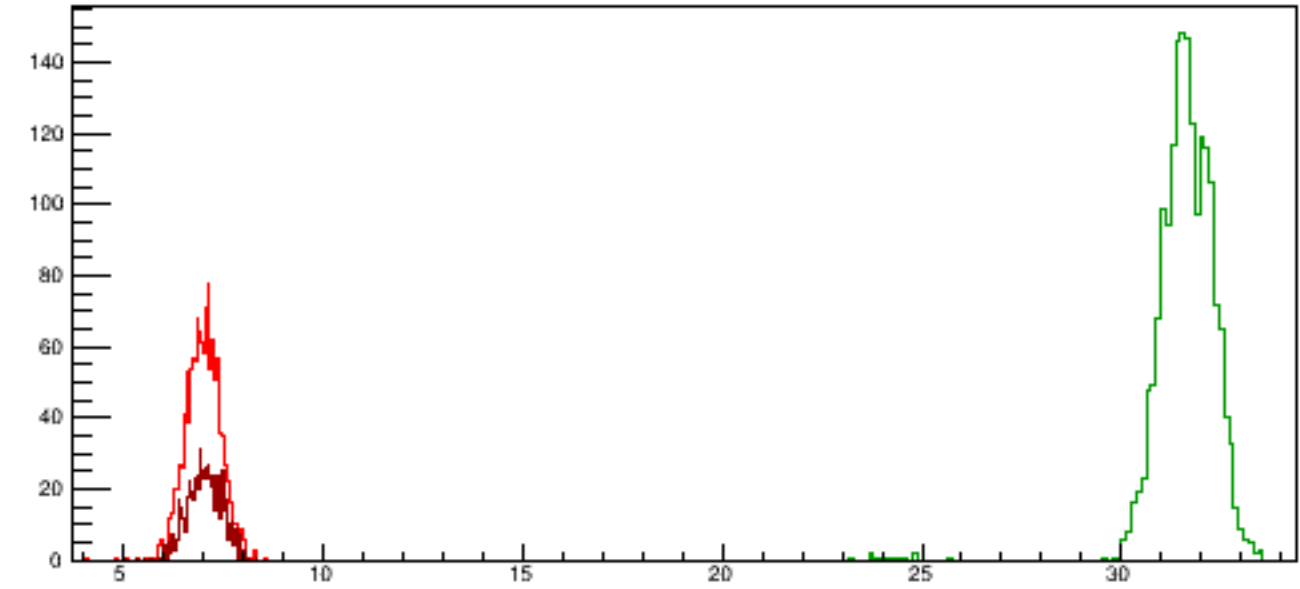
**Std Dev: 0.8541 +/- 0.0142**

**Entries: 745**

**Mean: 7.0246 +/- 0.0164**

**Std Dev: 0.4485 +/- 0.0116**

Run 6089 quartetwise, Sums



Acc0/NAcc0:mpsCoda {mpsCoda>=49116 && mpsCoda<=69911 && beamState==1}

# Cycle 3, Asyms

**Entries: 1348**

**Mean: -0.0008 +/- 0.0004**

**Std Dev: 0.0162 +/- 0.0003**

**Entries: 1813**

**Mean: -0.0315 +/- 0.0005**

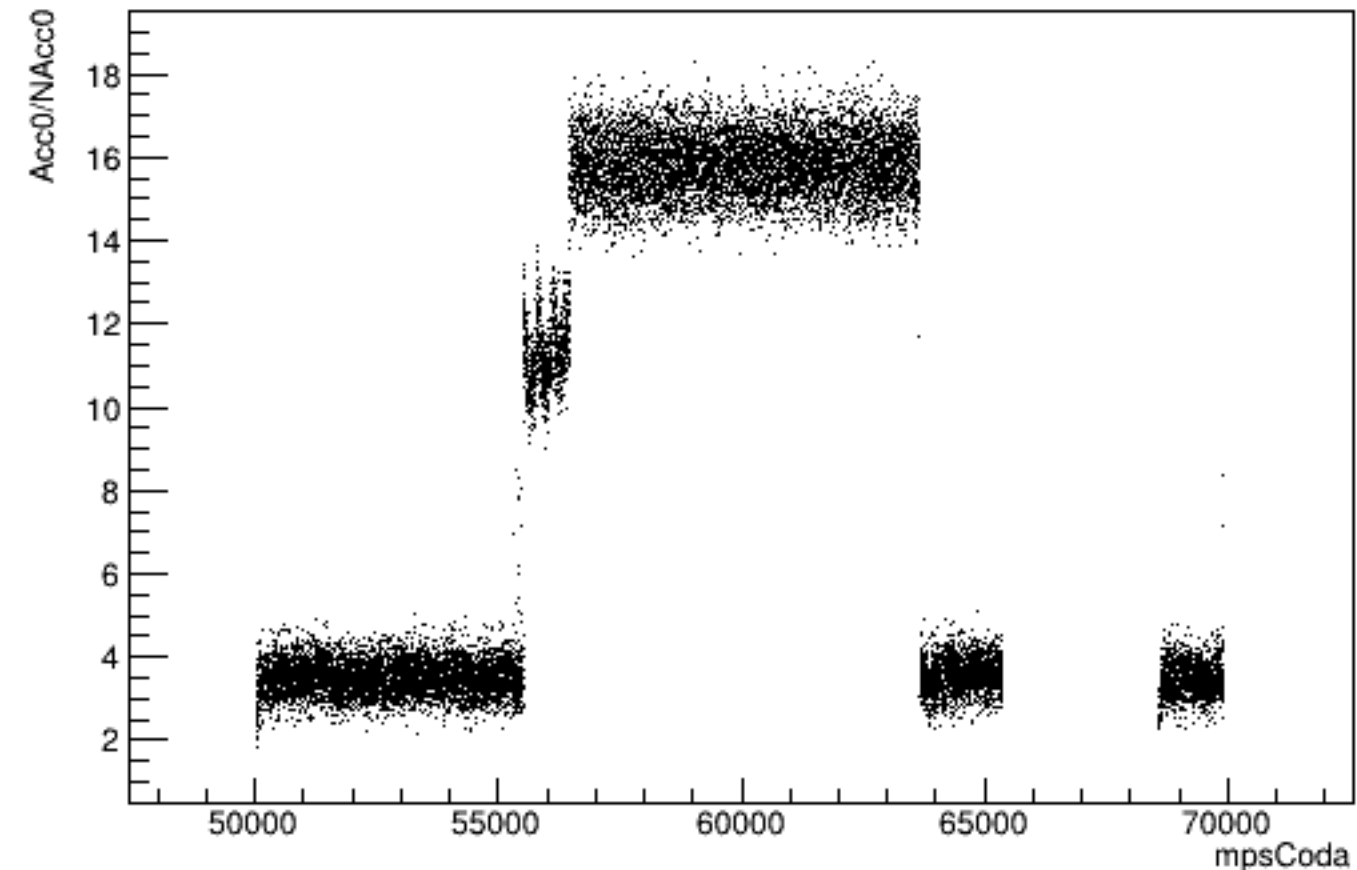
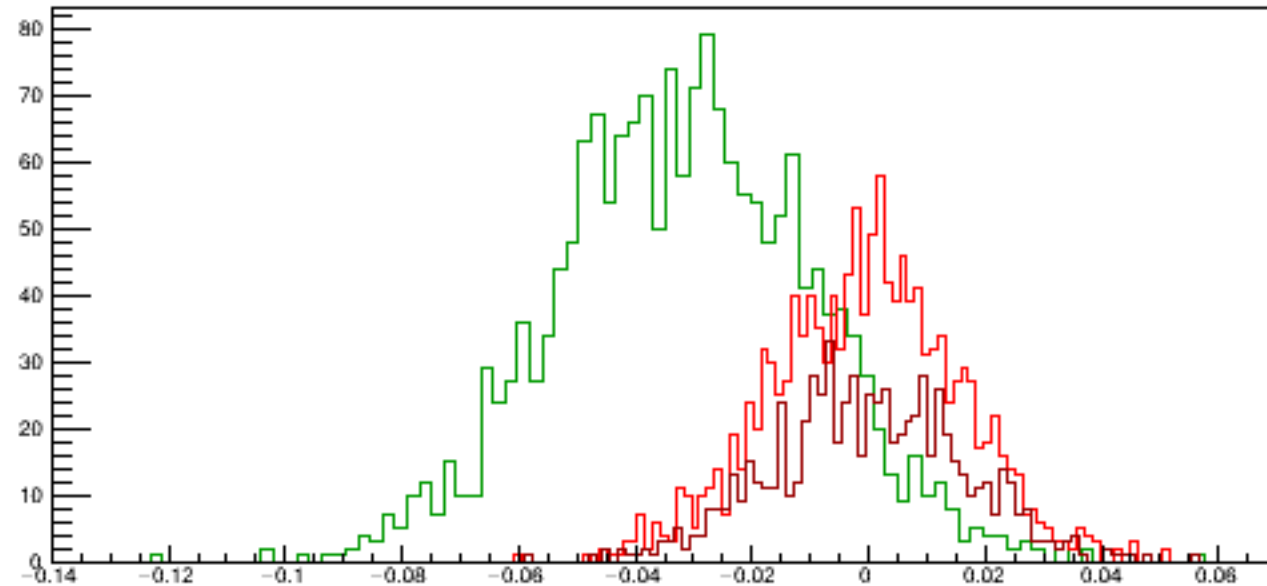
**Std Dev: 0.0220 +/- 0.0004**

**Entries: 745**

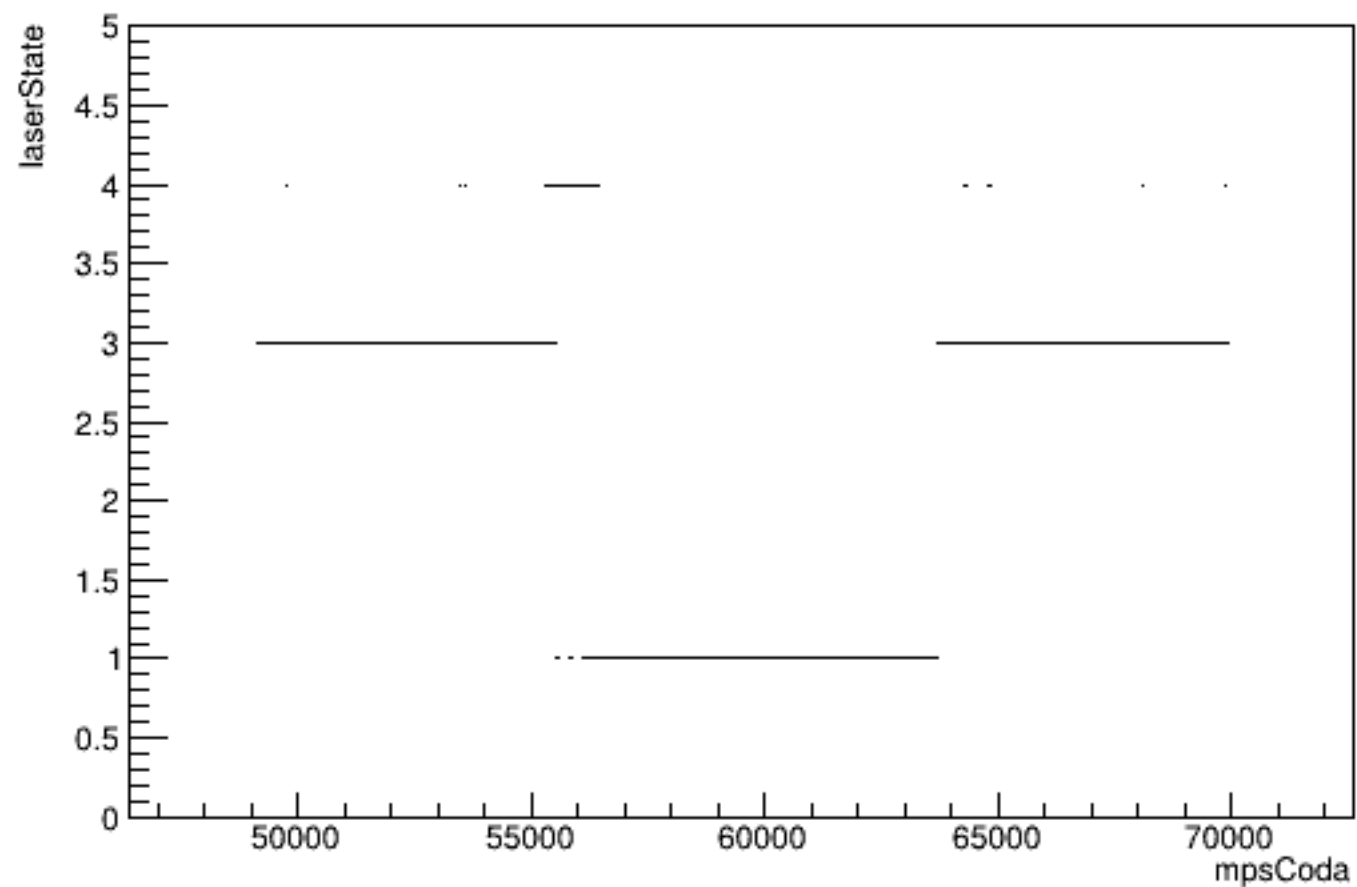
**Mean: -0.0003 +/- 0.0006**

**Std Dev: 0.0165 +/- 0.0004**

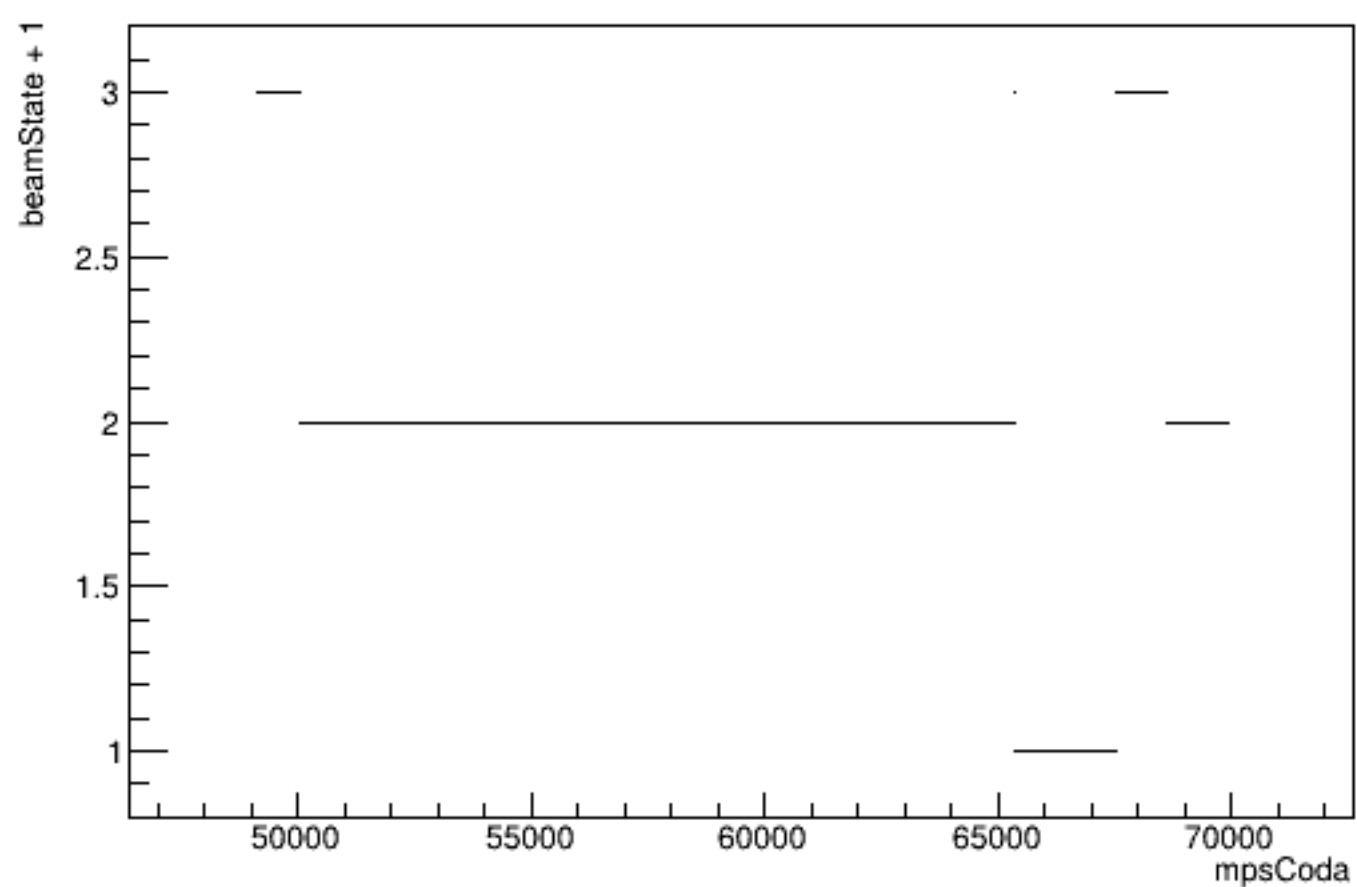
Run 6089 quartetwise, Asyms



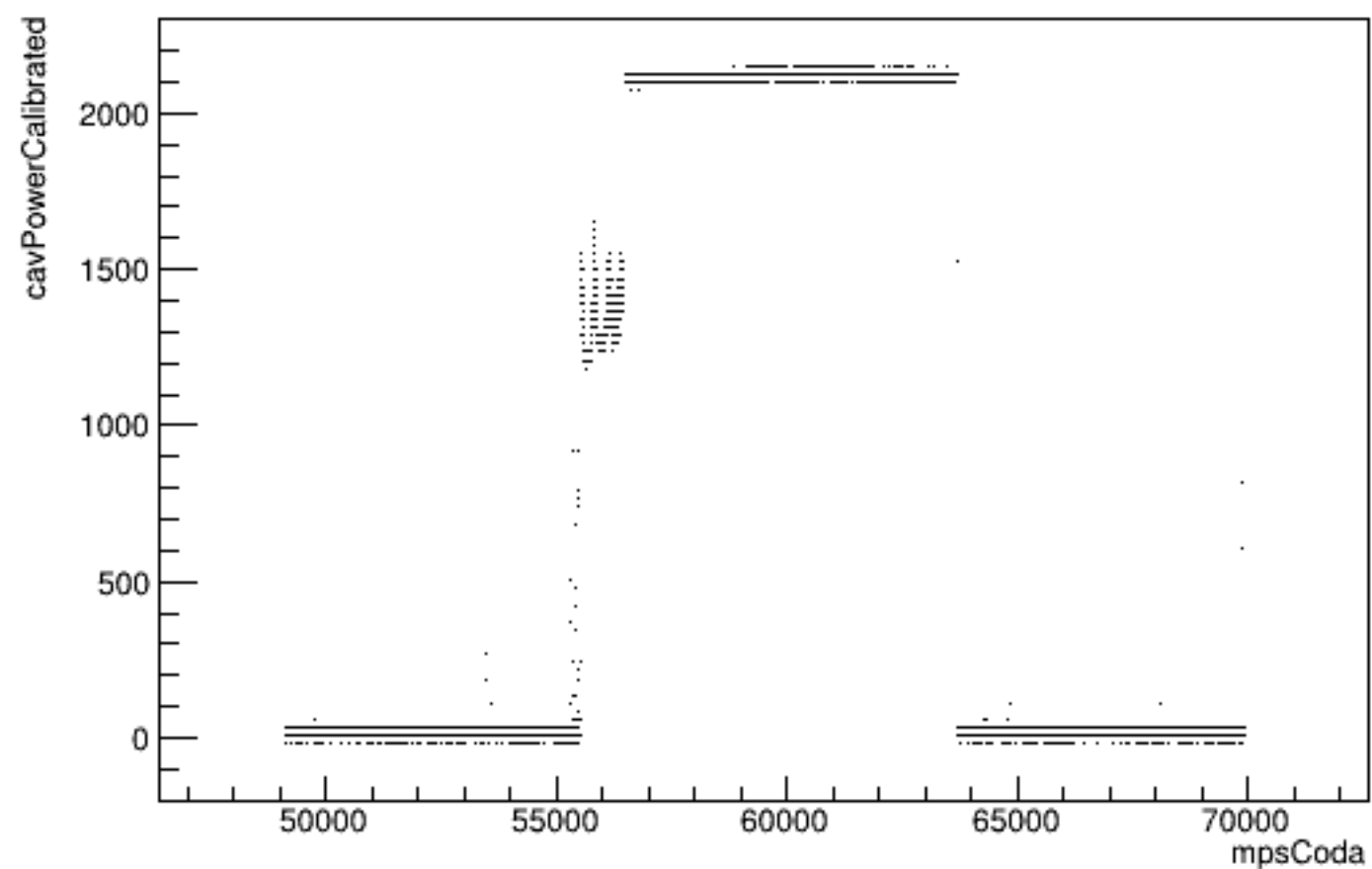
laserState:mpsCoda {mpsCoda&gt;=49116 &amp;&amp; mpsCoda&lt;=69911}



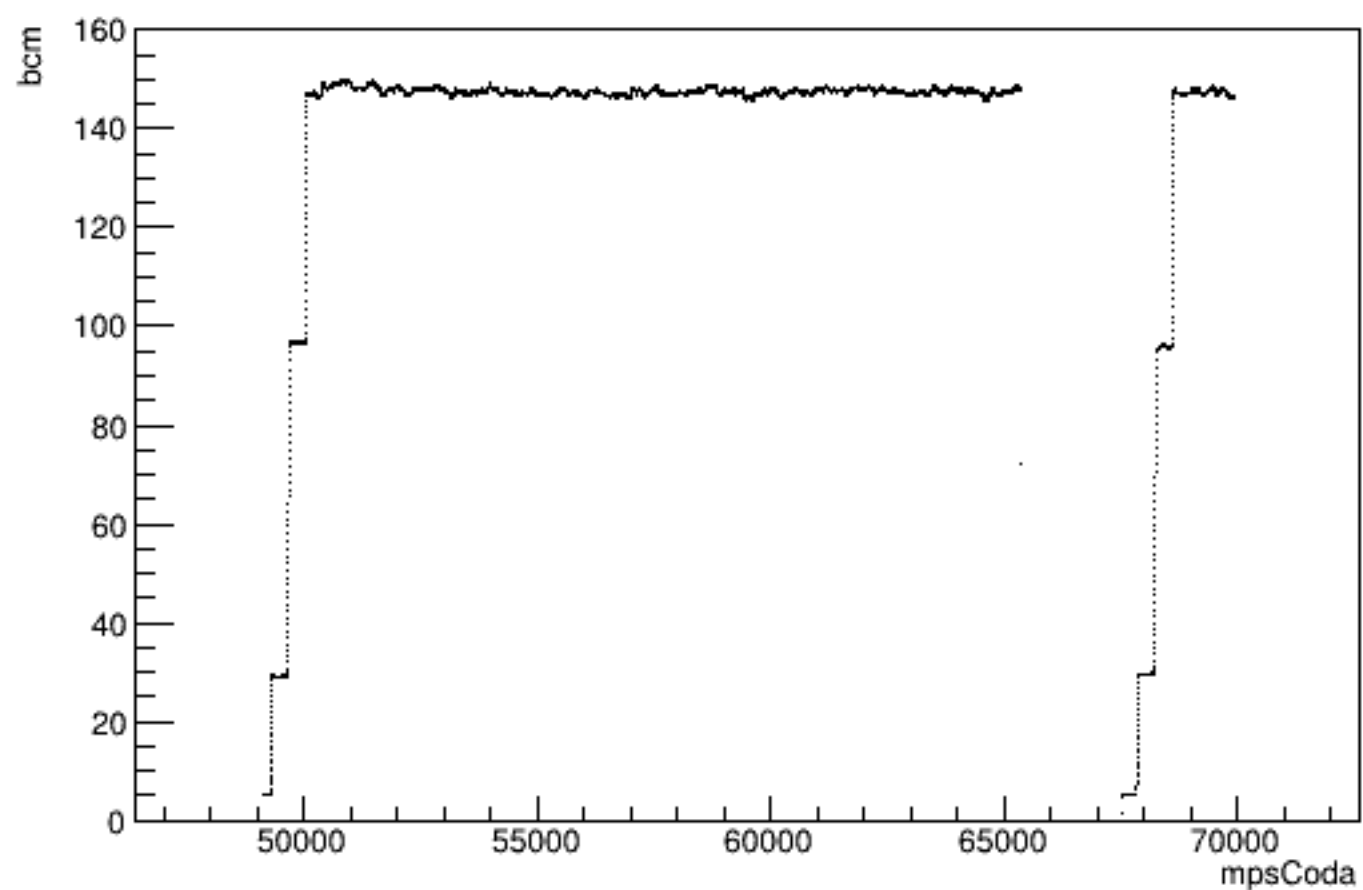
beamState + 1:mpsCoda {mpsCoda&gt;=49116 &amp;&amp; mpsCoda&lt;=69911}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=49116 &amp;&amp; mpsCoda&lt;=69911}



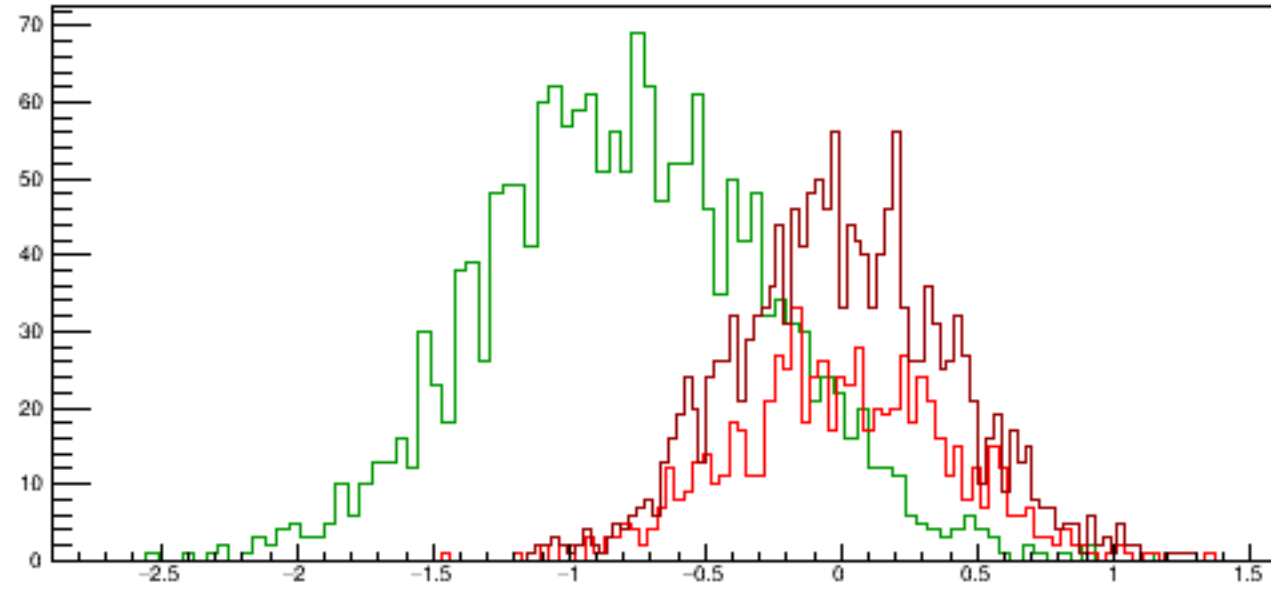
bcm:mpsCoda {mpsCoda&gt;=49116 &amp;&amp; mpsCoda&lt;=69911}



# Cycle 4, Diffs

<b>Entries: 745</b> <b>Mean: -0.0068 +/- 0.0148</b> <b>Std Dev: 0.4052 +/- 0.0105</b>	<b>Entries: 1801</b> <b>Mean: -0.7850 +/- 0.0122</b> <b>Std Dev: 0.5196 +/- 0.0087</b>	<b>Entries: 1563</b> <b>Mean: 0.0038 +/- 0.0101</b> <b>Std Dev: 0.3984 +/- 0.0071</b>
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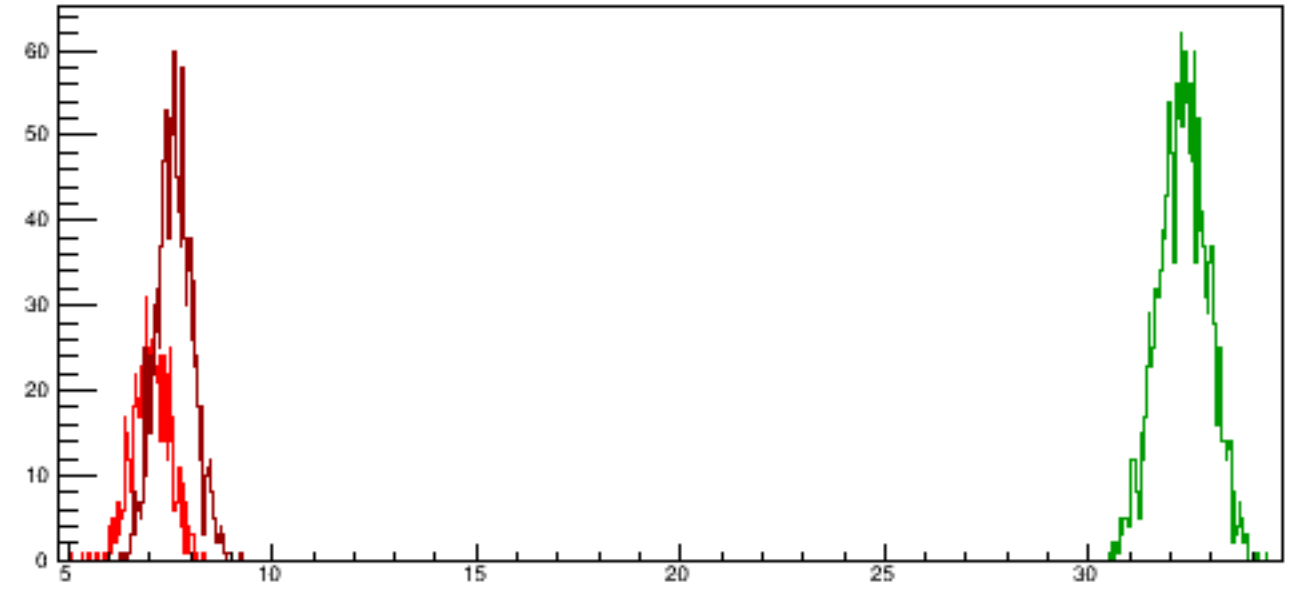
Run 6089 quartetwise, Diffs



# Cycle 4, Sums

<b>Entries: 745</b> <b>Mean: 7.0246 +/- 0.0164</b> <b>Std Dev: 0.4485 +/- 0.0116</b>	<b>Entries: 1801</b> <b>Mean: 32.3077 +/- 0.0144</b> <b>Std Dev: 0.6104 +/- 0.0102</b>	<b>Entries: 1563</b> <b>Mean: 7.6005 +/- 0.0112</b> <b>Std Dev: 0.4419 +/- 0.0079</b>
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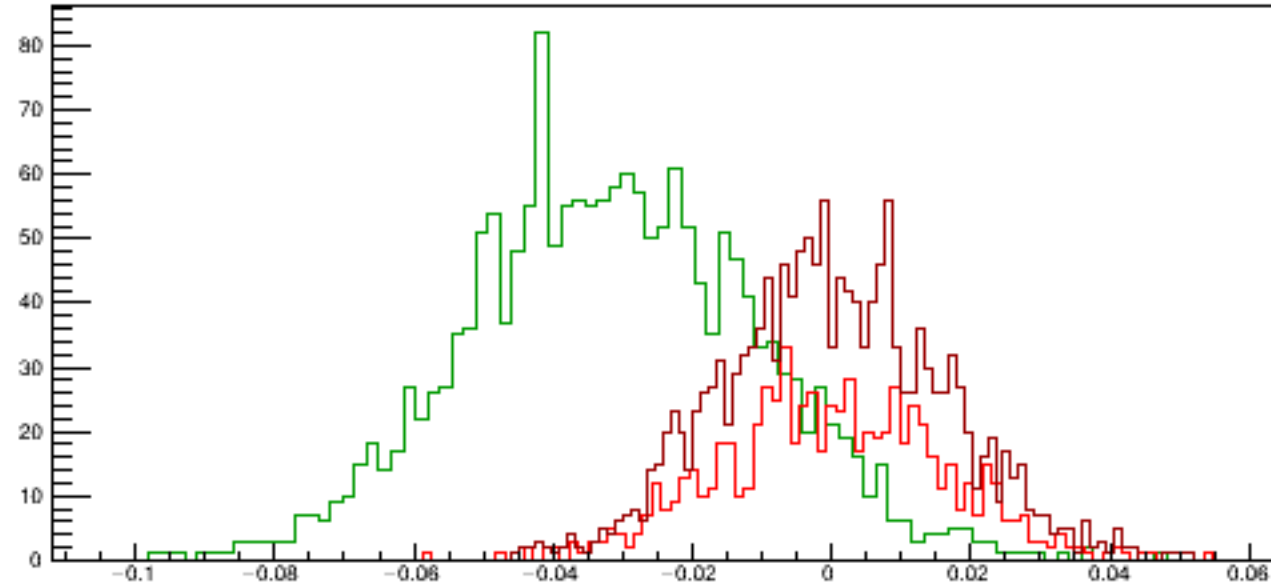
Run 6089 quartetwise, Sums



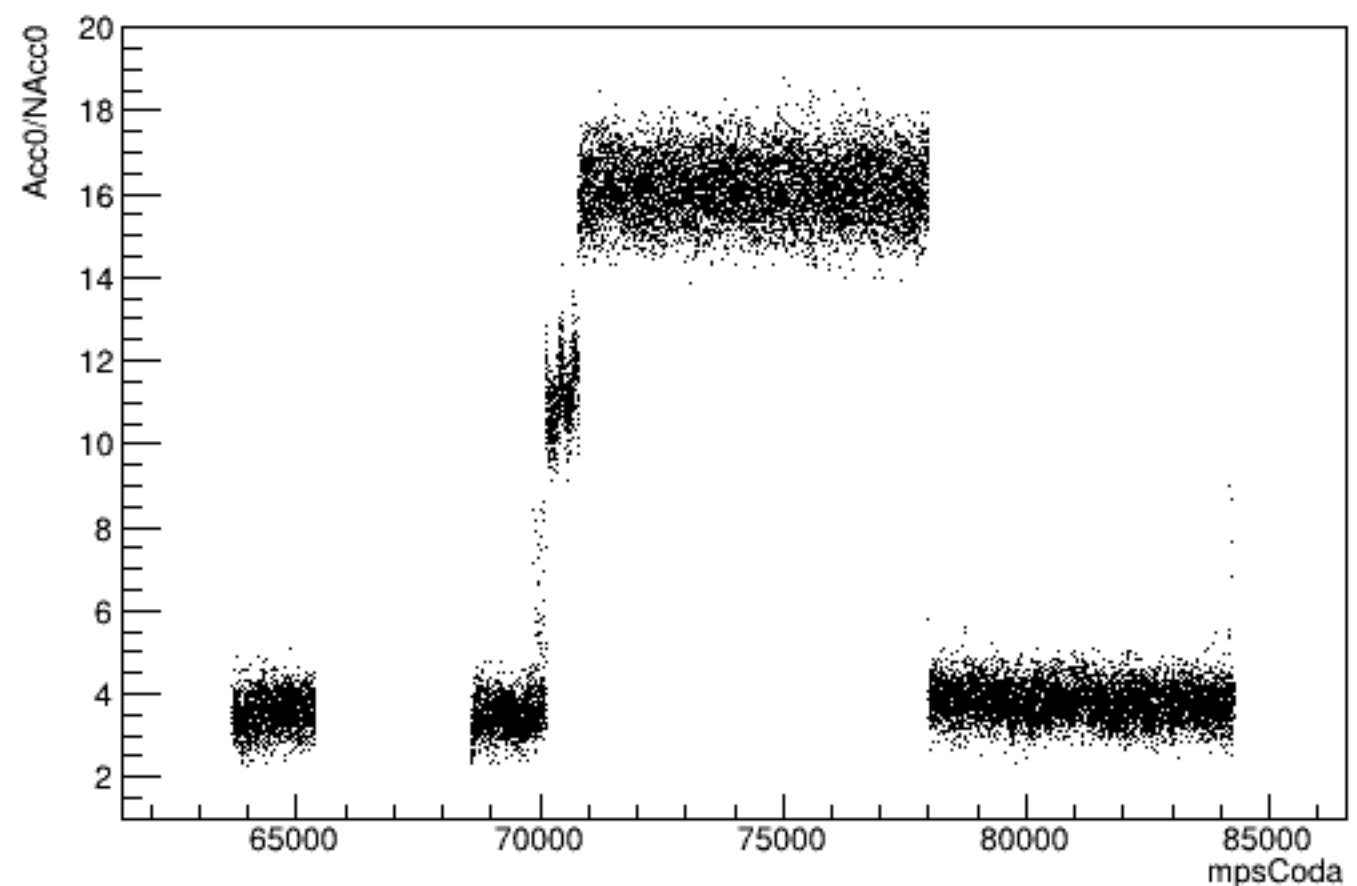
# Cycle 4, Asyms

<b>Entries: 745</b> <b>Mean: -0.0003 +/- 0.0006</b> <b>Std Dev: 0.0162 +/- 0.0004</b>	<b>Entries: 1801</b> <b>Mean: -0.0314 +/- 0.0005</b> <b>Std Dev: 0.0208 +/- 0.0003</b>	<b>Entries: 1563</b> <b>Mean: 0.0002 +/- 0.0004</b> <b>Std Dev: 0.0159 +/- 0.0003</b>
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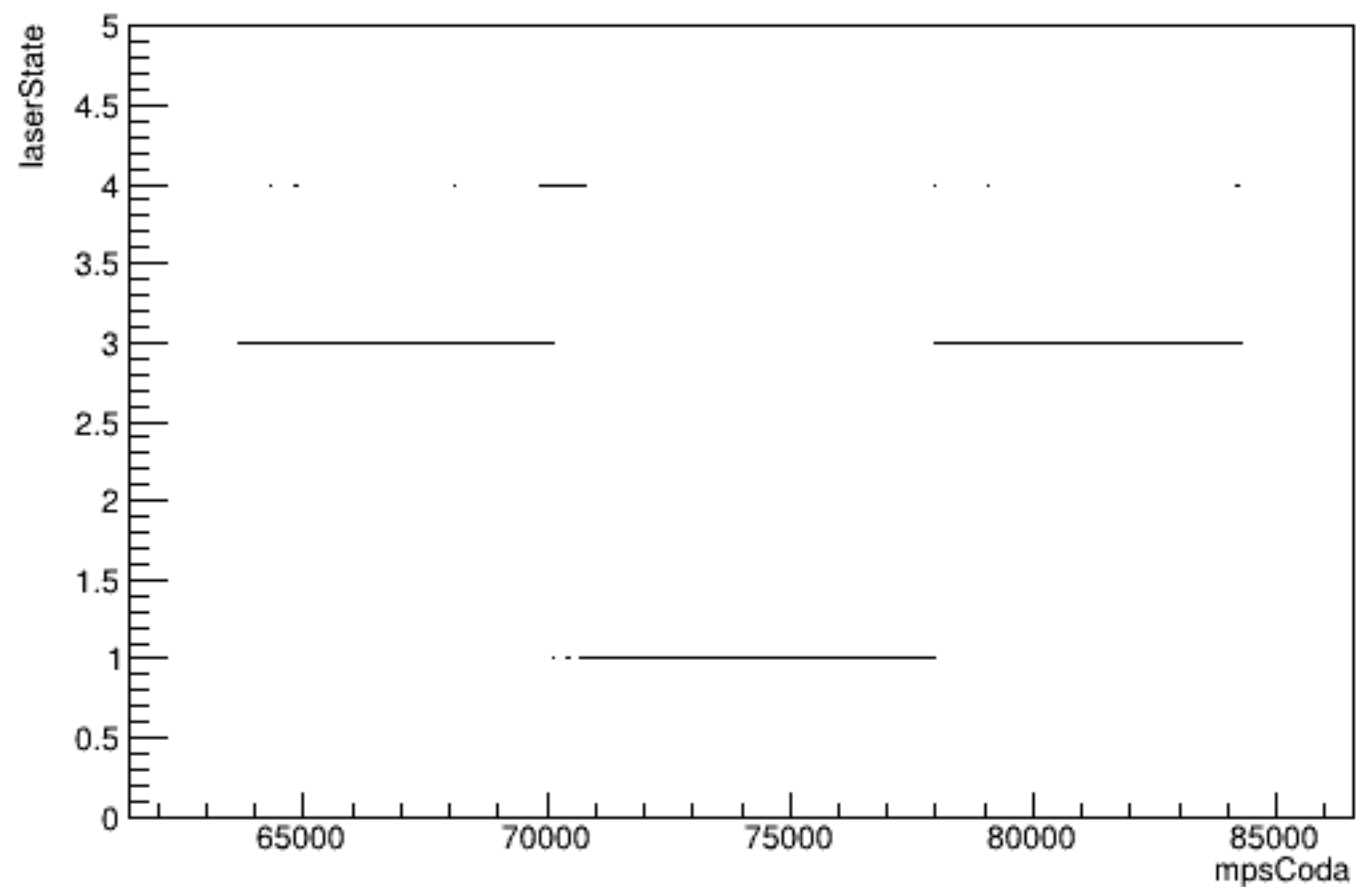
Run 6089 quartetwise, Asyms



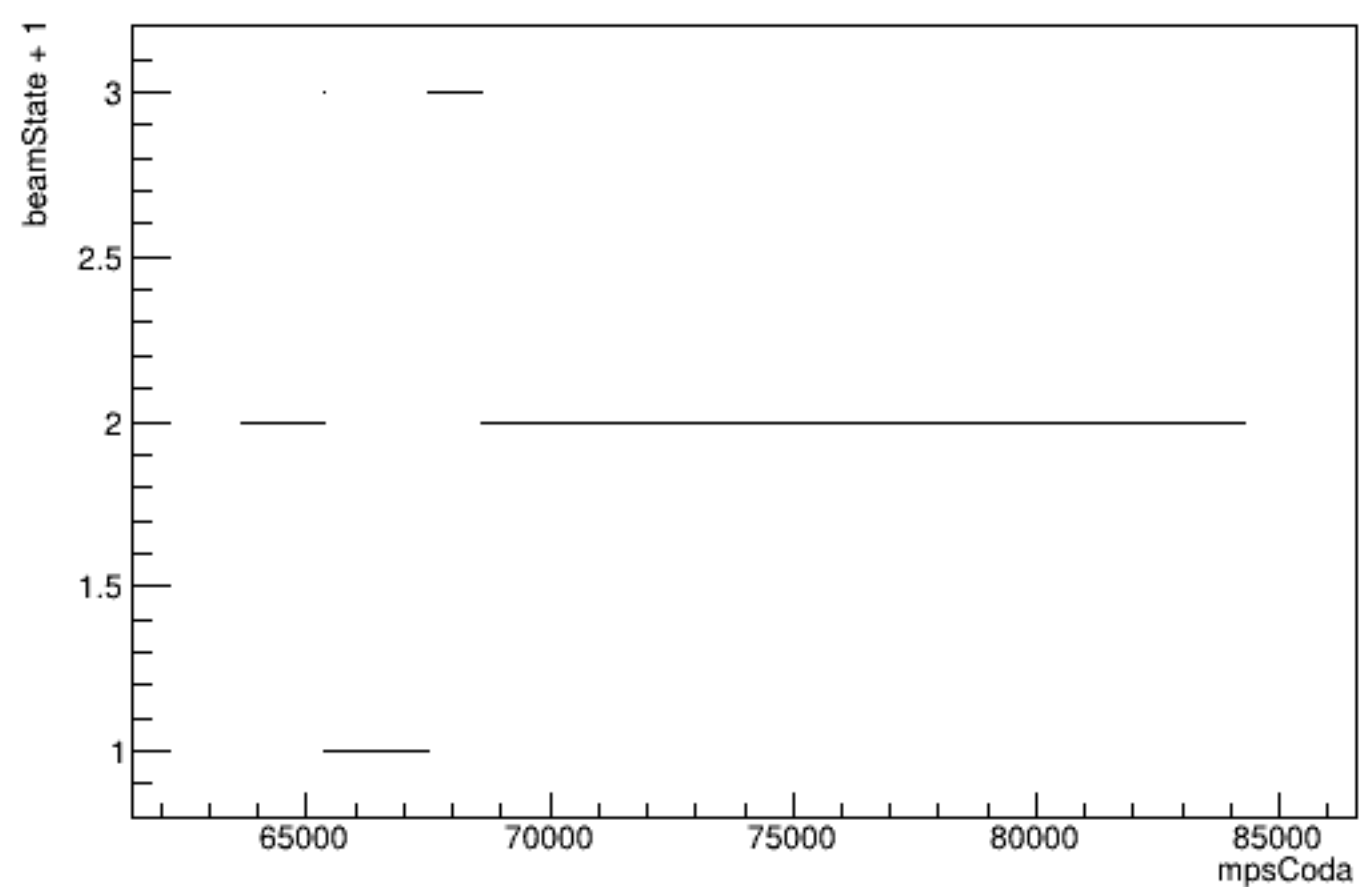
Acc0/NAcc0:mpsCoda {mpsCoda>=63676 && mpsCoda<=84275 && beamState==1}



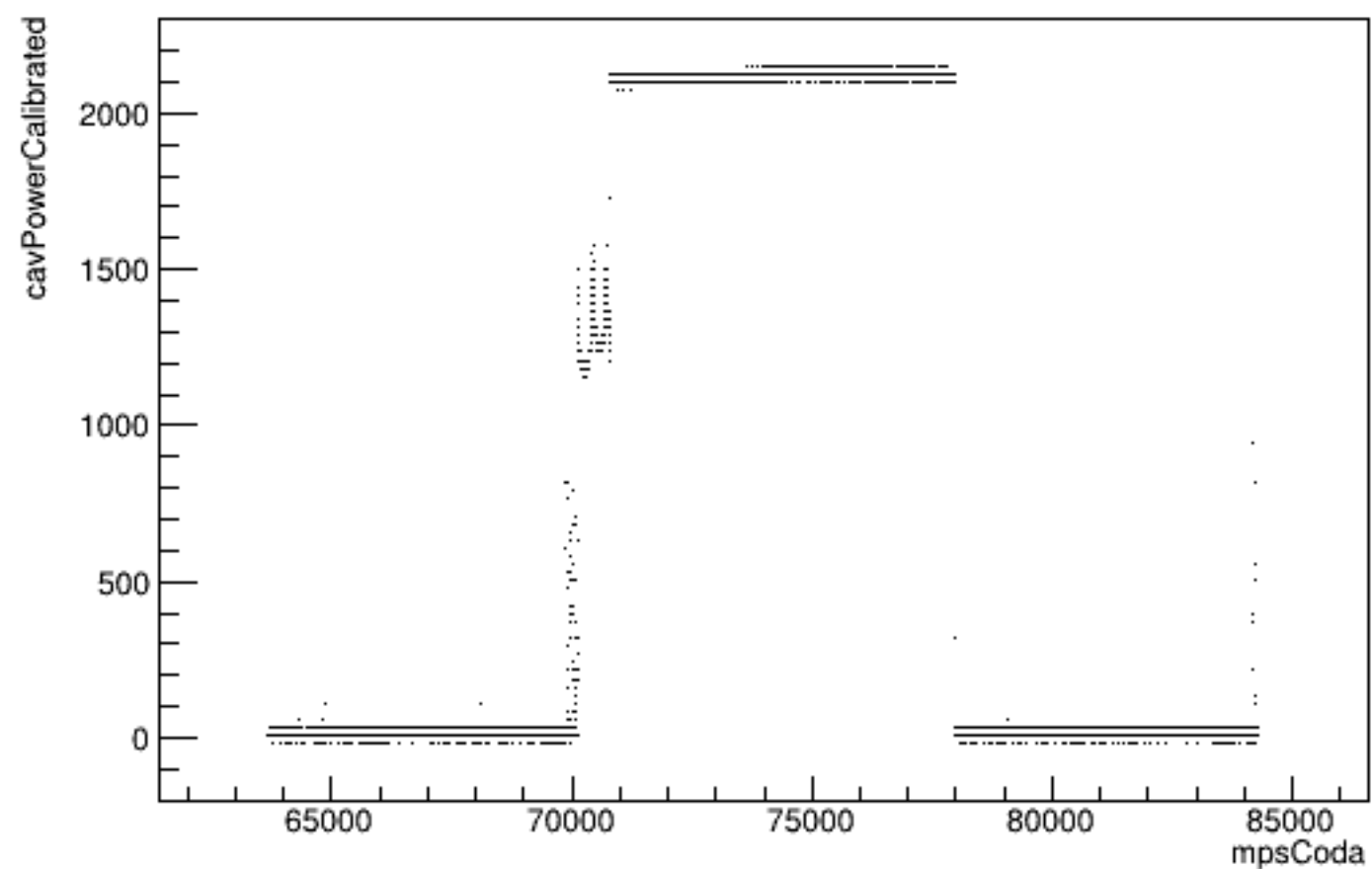
laserState:mpsCoda {mpsCoda&gt;=63676 &amp;&amp; mpsCoda&lt;=84275}



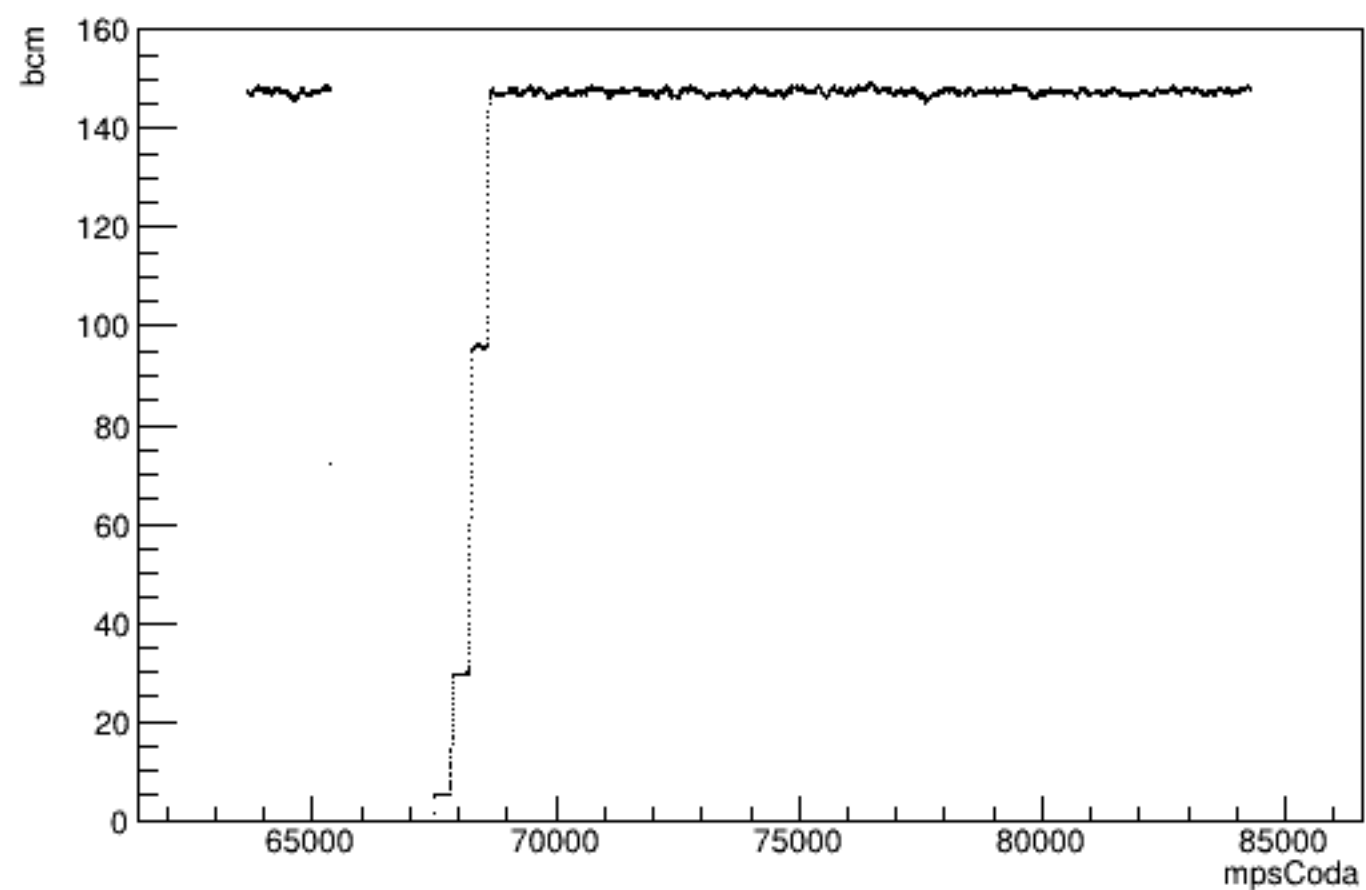
beamState + 1:mpsCoda {mpsCoda&gt;=63676 &amp;&amp; mpsCoda&lt;=84275}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=63676 &amp;&amp; mpsCoda&lt;=84275}



bcm:mpsCoda {mpsCoda&gt;=63676 &amp;&amp; mpsCoda&lt;=84275}

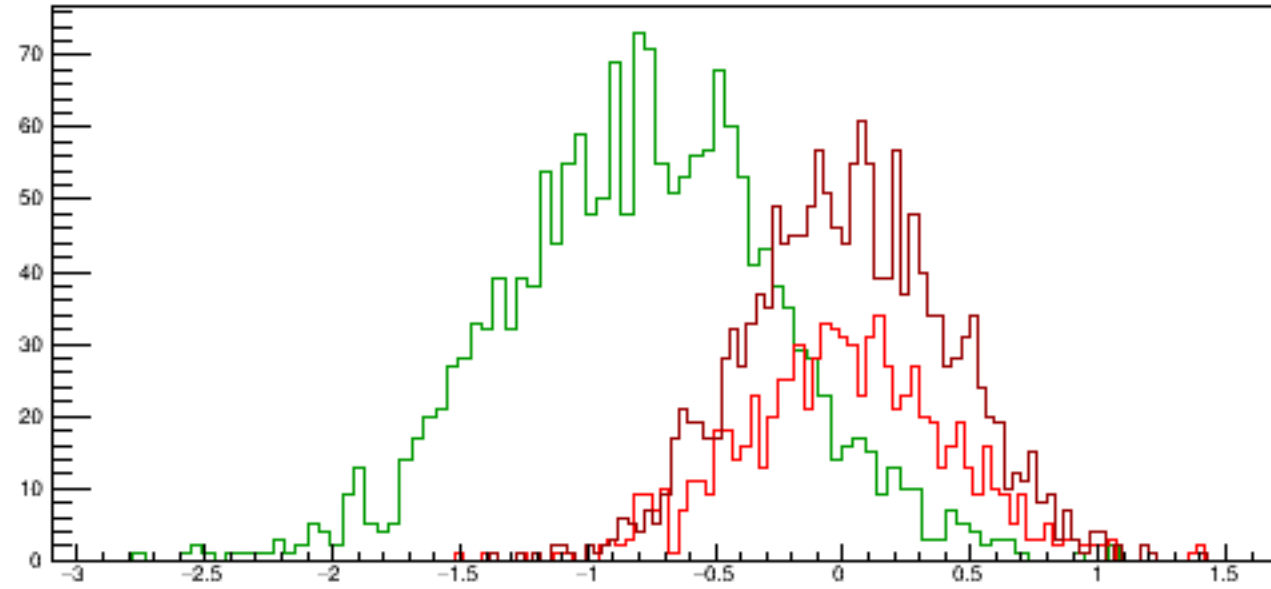




# Cycle 5, Diffs

<b>Entries: 841</b> <b>Mean: 0.0023 +/- 0.0142</b> <b>Std Dev: 0.4131 +/- 0.0101</b>	<b>Entries: 1801</b> <b>Mean: -0.7890 +/- 0.0126</b> <b>Std Dev: 0.5356 +/- 0.0089</b>	<b>Entries: 1559</b> <b>Mean: 0.0186 +/- 0.0101</b> <b>Std Dev: 0.3975 +/- 0.0071</b>
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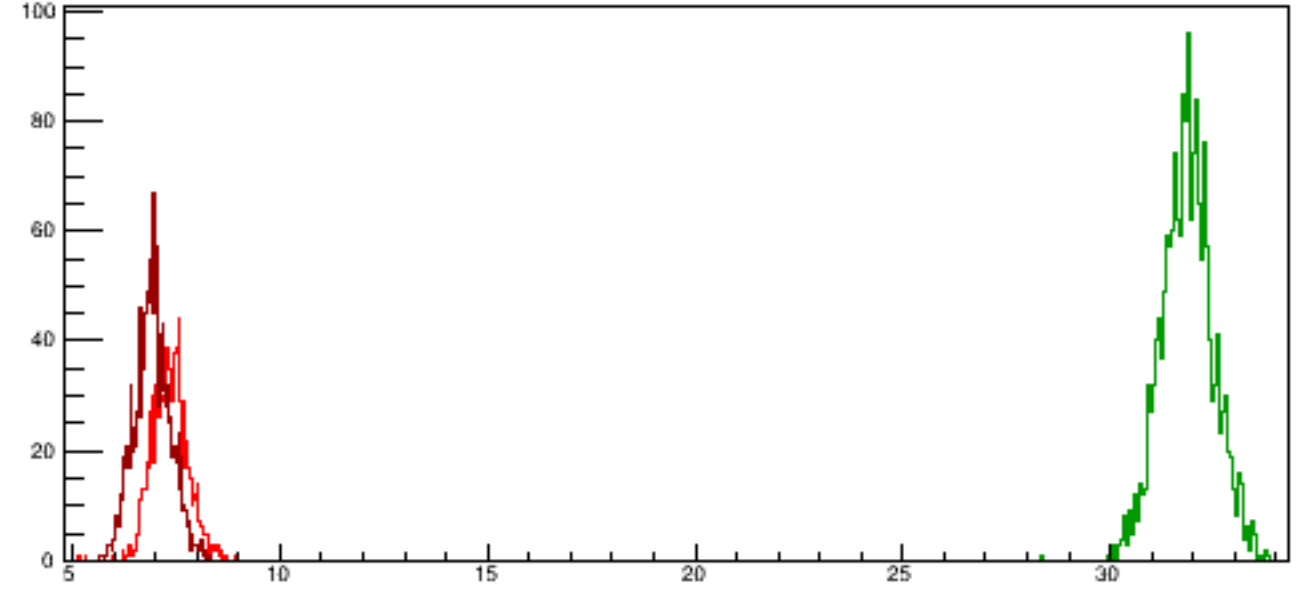
Run 6089 quartetwise, Diffs



# Cycle 5, Sums

<b>Entries: 841</b> <b>Mean: 7.3510 +/- 0.0152</b> <b>Std Dev: 0.4410 +/- 0.0108</b>	<b>Entries: 1801</b> <b>Mean: 31.8722 +/- 0.0146</b> <b>Std Dev: 0.6217 +/- 0.0104</b>	<b>Entries: 1559</b> <b>Mean: 6.9258 +/- 0.0110</b> <b>Std Dev: 0.4348 +/- 0.0078</b>
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Run 6089 quartetwise, Sums

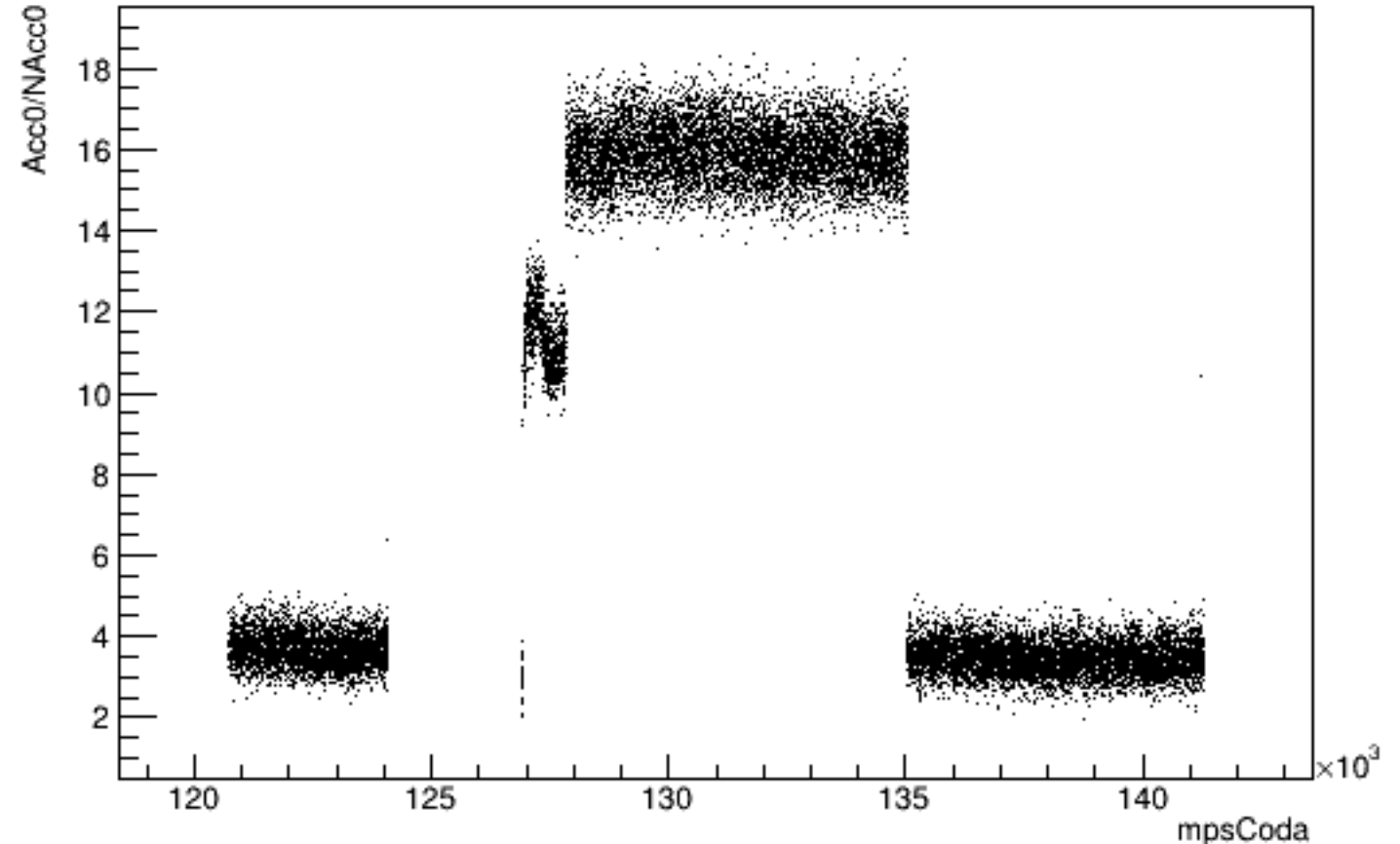
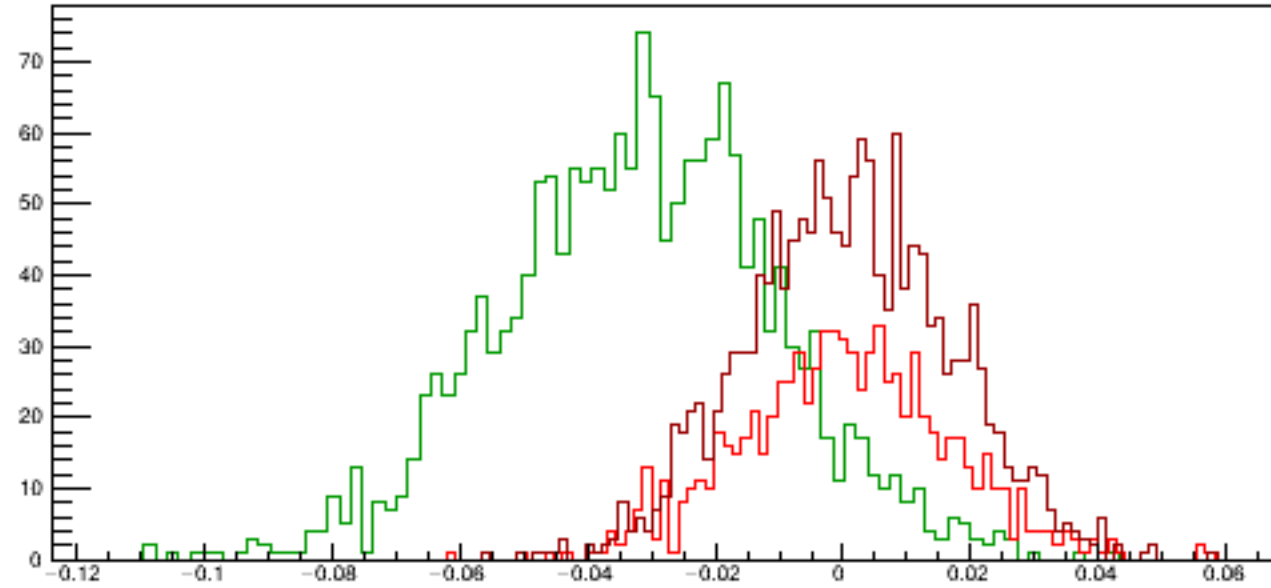


Acc0/NAcc0:mpsCoda (mpsCoda>=120720 && mpsCoda<=141295 && beamState==1)

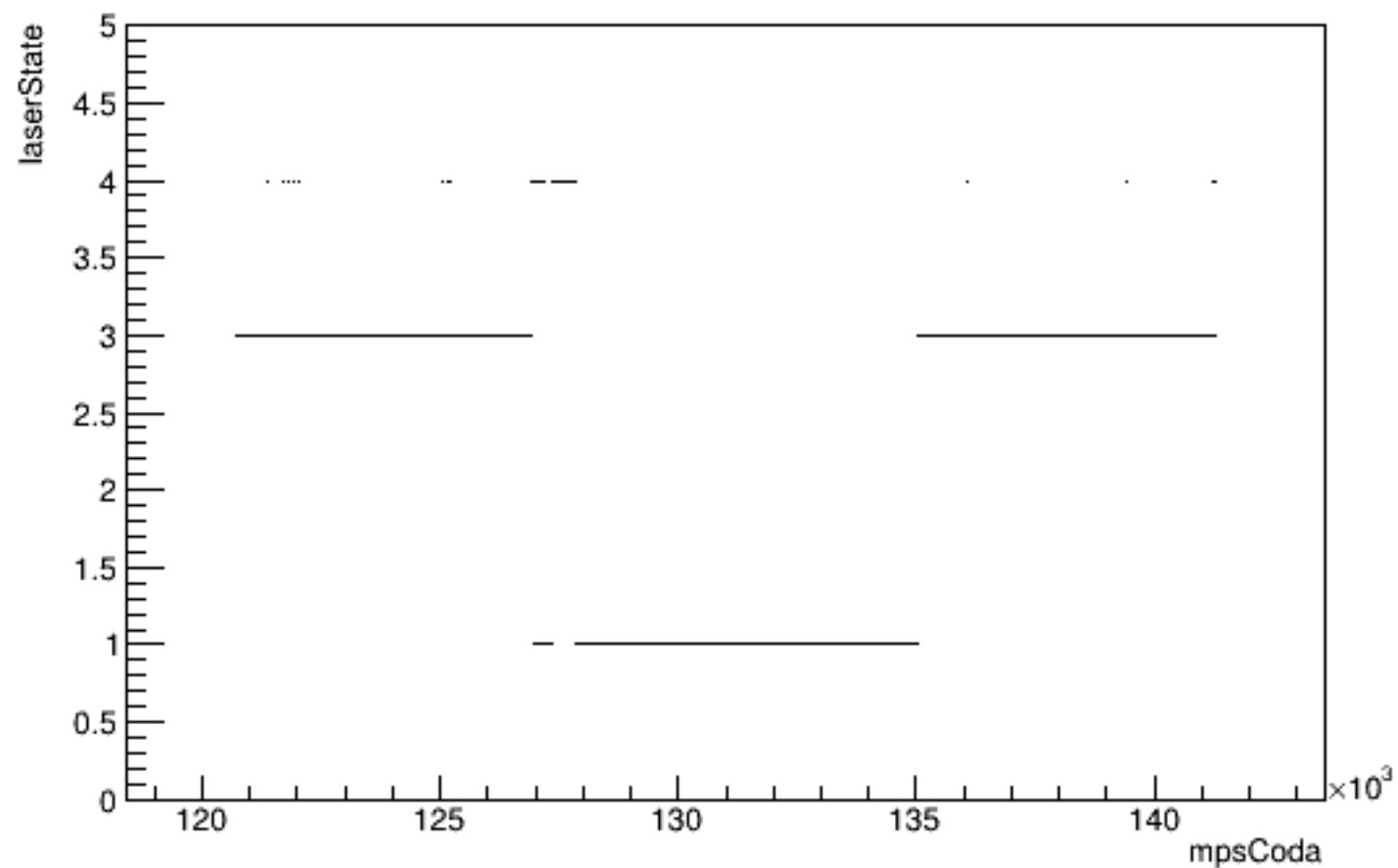
# Cycle 5, Asyms

<b>Entries: 841</b> <b>Mean: 0.0001 +/- 0.0006</b> <b>Std Dev: 0.0167 +/- 0.0004</b>	<b>Entries: 1801</b> <b>Mean: -0.0319 +/- 0.0005</b> <b>Std Dev: 0.0217 +/- 0.0004</b>	<b>Entries: 1559</b> <b>Mean: 0.0008 +/- 0.0004</b> <b>Std Dev: 0.0161 +/- 0.0003</b>
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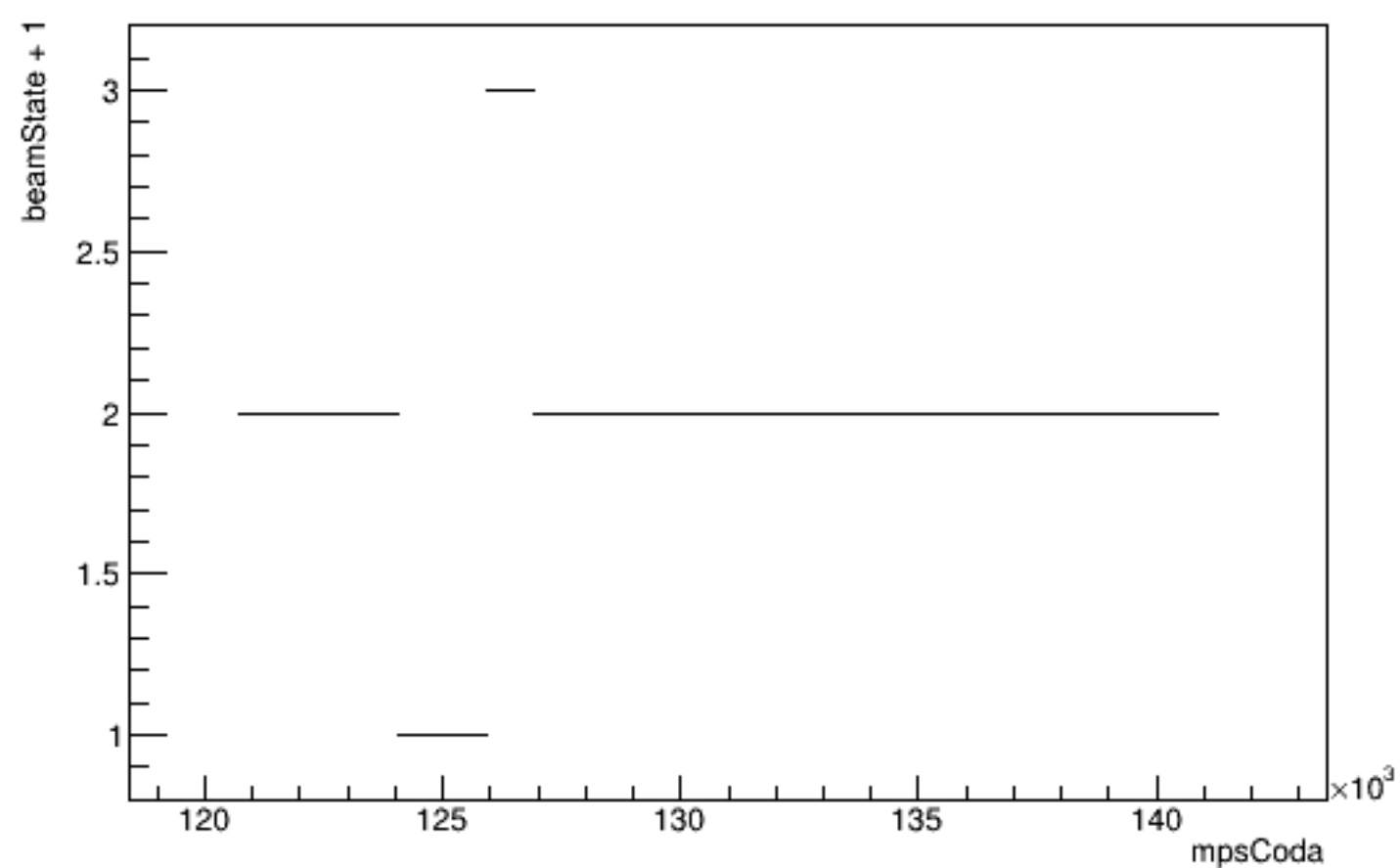
Run 6089 quartetwise, Asyms



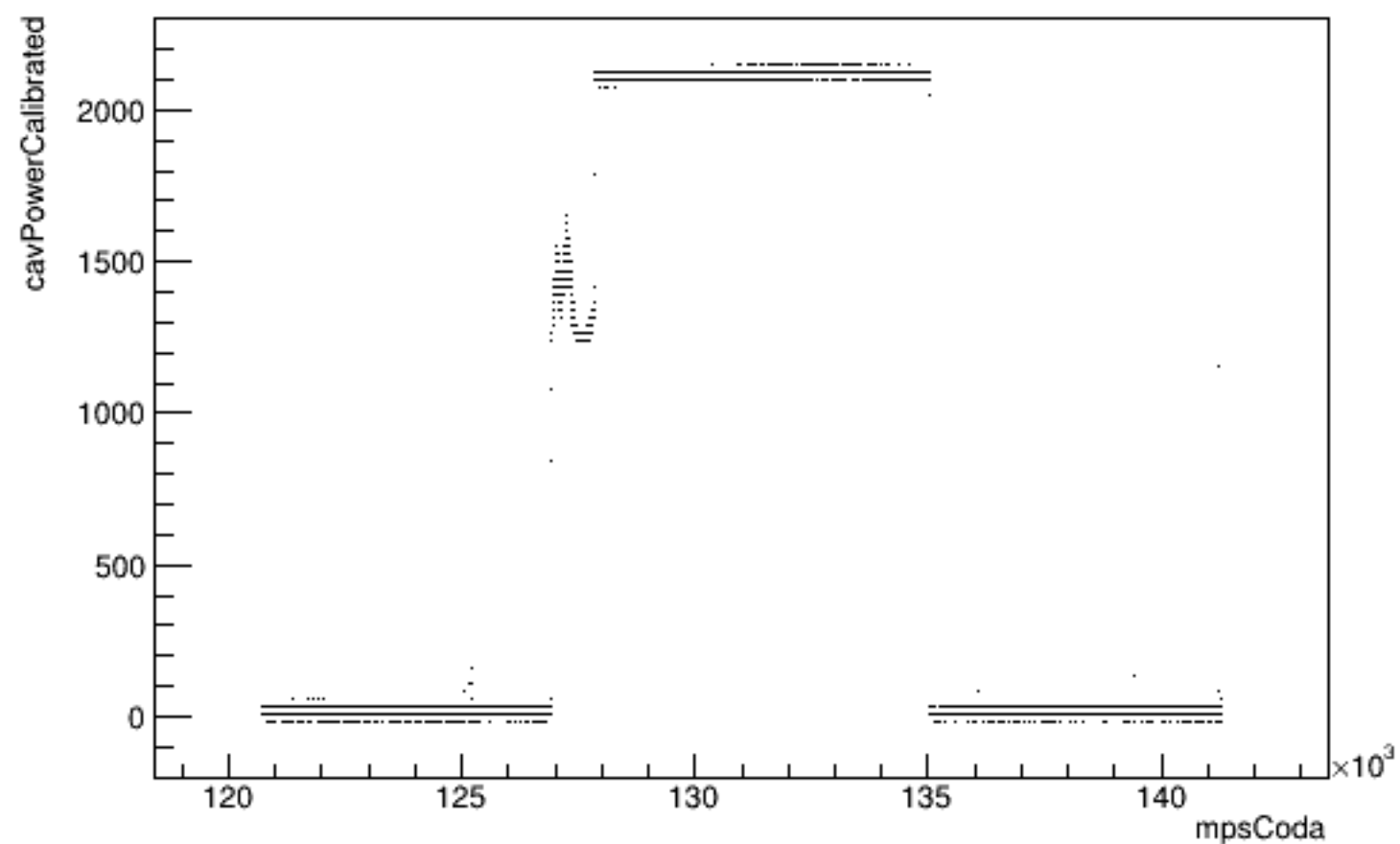
laserState:mpsCoda {mpsCoda&gt;=120720 &amp;&amp; mpsCoda&lt;=141295}



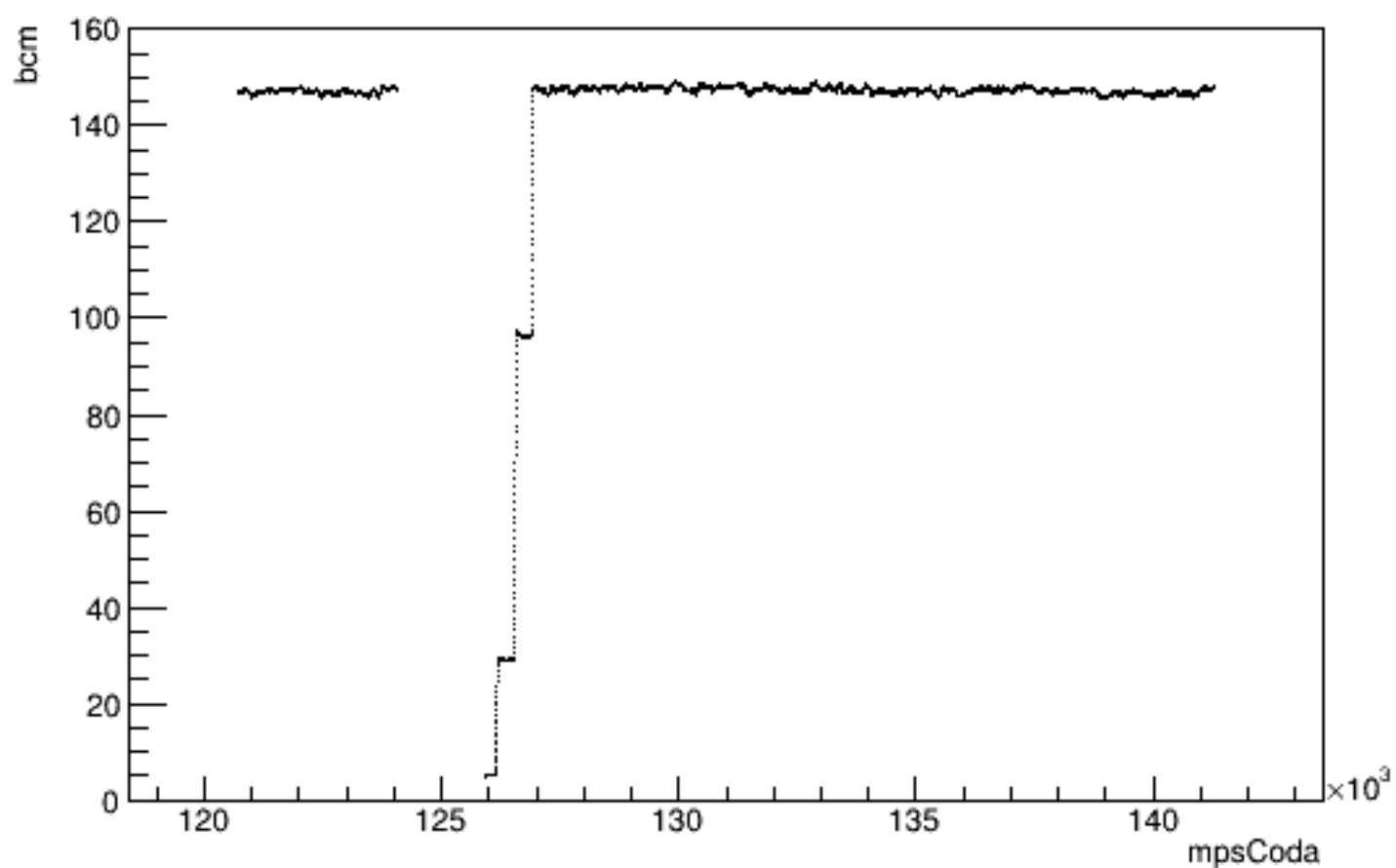
beamState + 1:mpsCoda {mpsCoda&gt;=120720 &amp;&amp; mpsCoda&lt;=141295}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=120720 &amp;&amp; mpsCoda&lt;=141295}



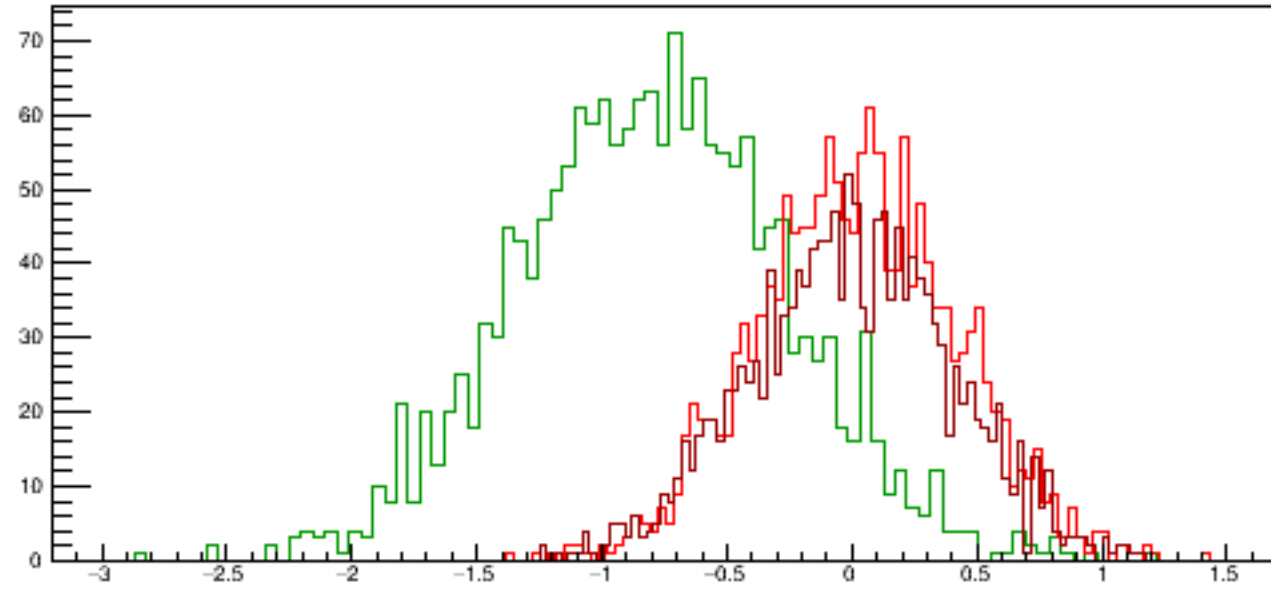
bcm:mpsCoda {mpsCoda&gt;=120720 &amp;&amp; mpsCoda&lt;=141295}



# Cycle 6, Diffs

<b>Entries: 1559</b>	<b>Entries: 1801</b>	<b>Entries: 1540</b>
<b>Mean: 0.0186 +/- 0.0101</b>	<b>Mean: -0.7978 +/- 0.0127</b>	<b>Mean: -0.0067 +/- 0.0102</b>
<b>Std Dev: 0.3975 +/- 0.0071</b>	<b>Std Dev: 0.5392 +/- 0.0090</b>	<b>Std Dev: 0.4020 +/- 0.0072</b>

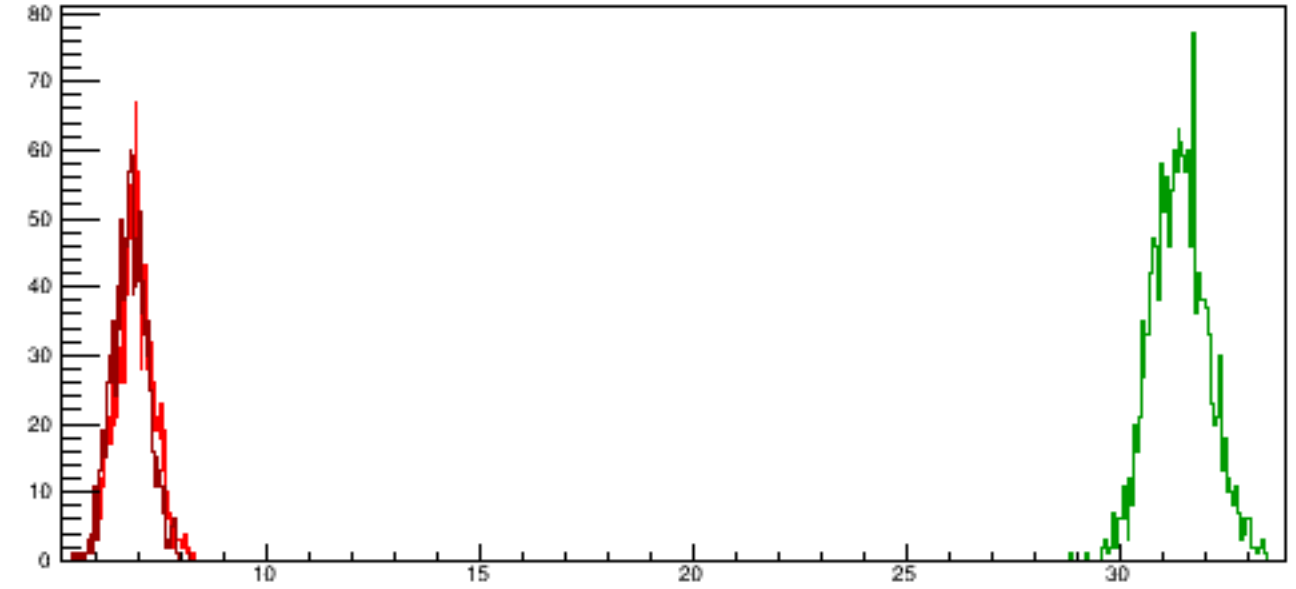
Run 6089 quartetwise, Diffs



# Cycle 6, Sums

<b>Entries: 1559</b>	<b>Entries: 1801</b>	<b>Entries: 1540</b>
<b>Mean: 6.9258 +/- 0.0110</b>	<b>Mean: 31.4082 +/- 0.0155</b>	<b>Mean: 6.8167 +/- 0.0104</b>
<b>Std Dev: 0.4348 +/- 0.0078</b>	<b>Std Dev: 0.6576 +/- 0.0110</b>	<b>Std Dev: 0.4089 +/- 0.0074</b>

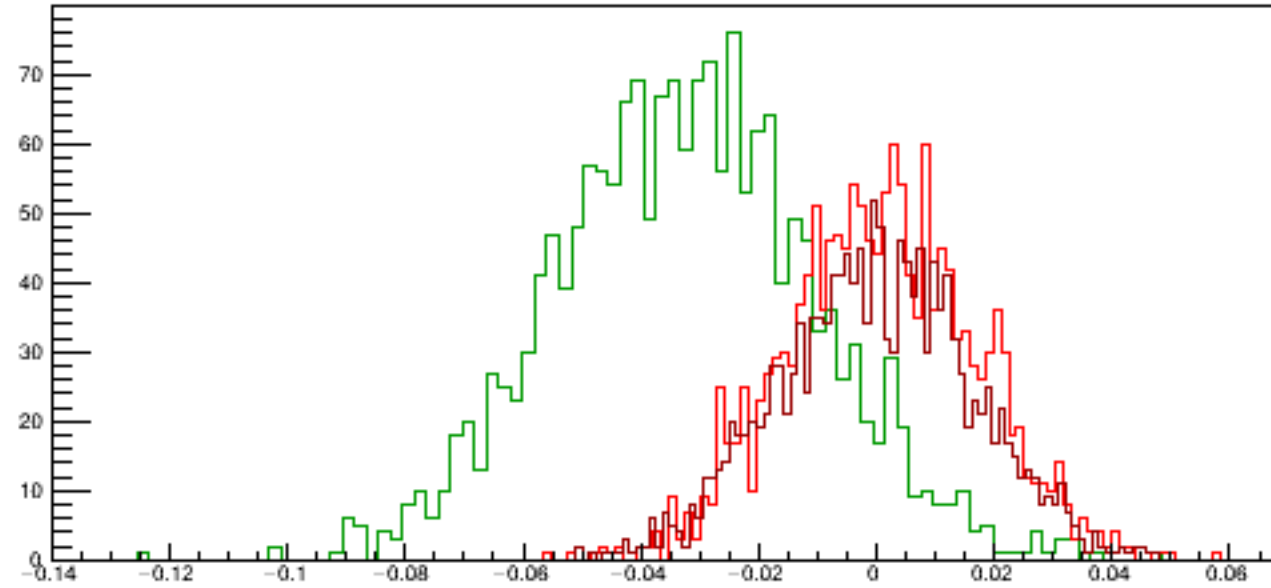
Run 6089 quartetwise, Sums



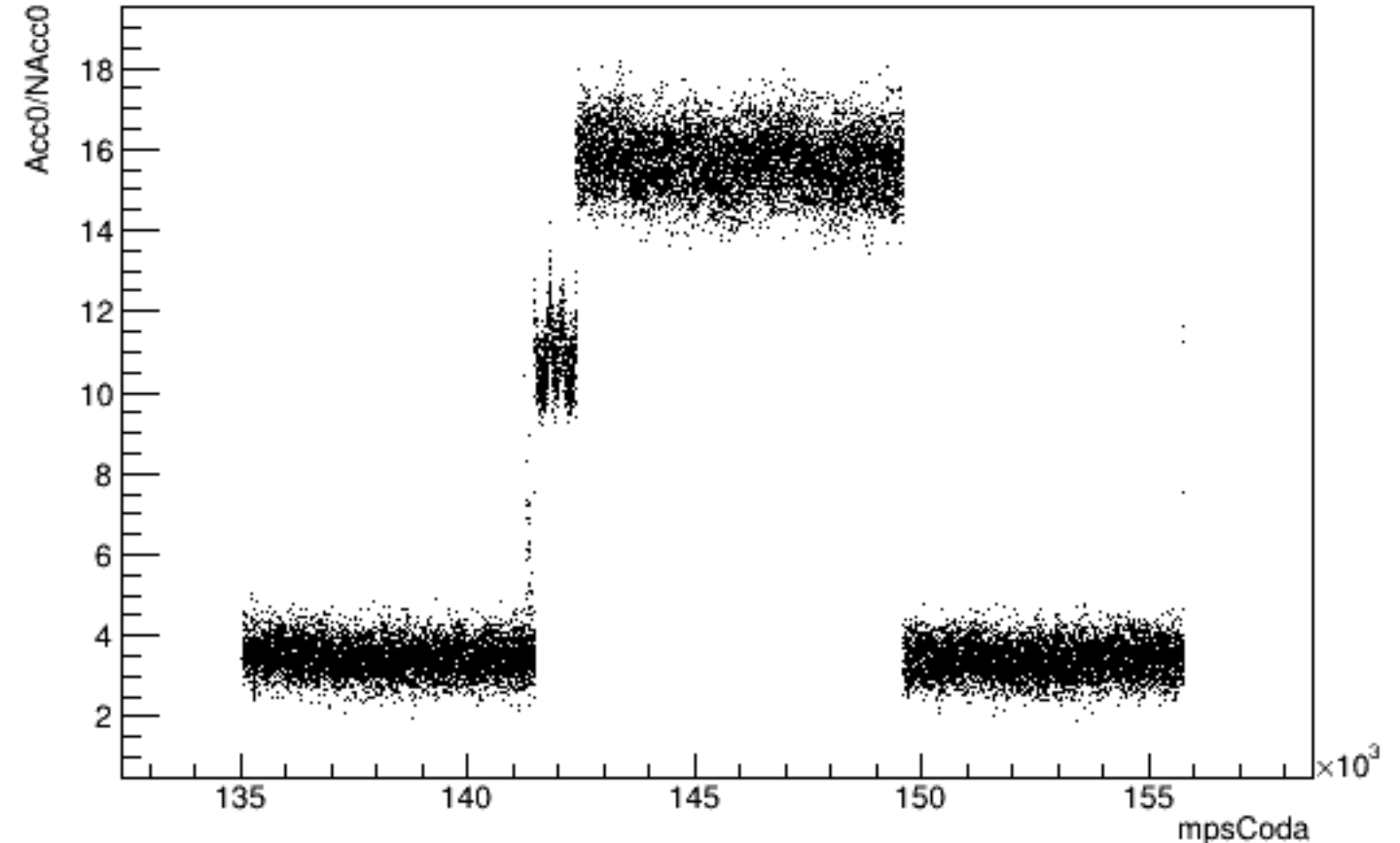
# Cycle 6, Asyms

<b>Entries: 1559</b>	<b>Entries: 1801</b>	<b>Entries: 1540</b>
<b>Mean: 0.0008 +/- 0.0004</b>	<b>Mean: -0.0325 +/- 0.0005</b>	<b>Mean: -0.0003 +/- 0.0004</b>
<b>Std Dev: 0.0162 +/- 0.0003</b>	<b>Std Dev: 0.0220 +/- 0.0004</b>	<b>Std Dev: 0.0164 +/- 0.0003</b>

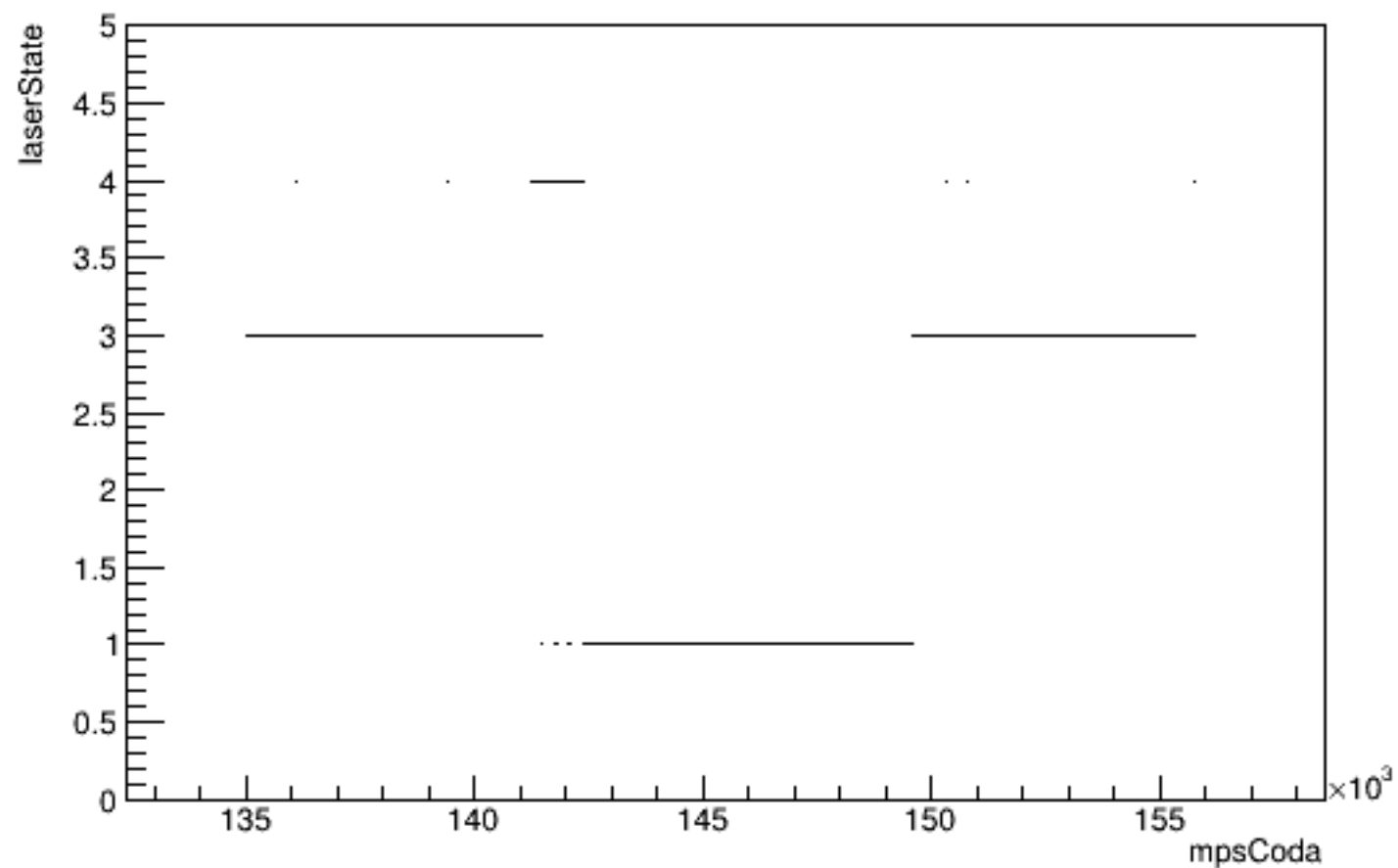
Run 6089 quartetwise, Asyms



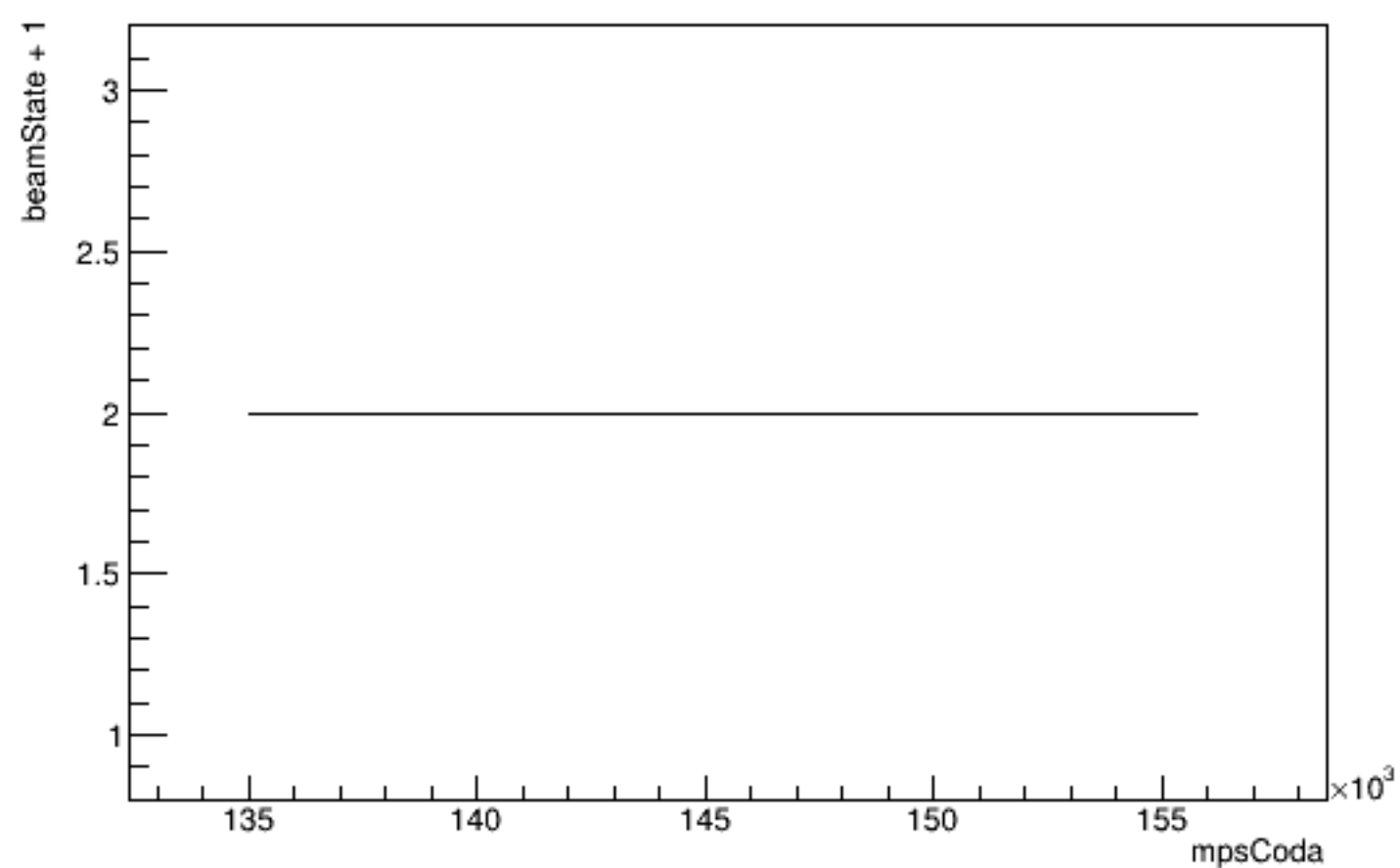
Acc0/NAcc0:mpsCoda (mpsCoda>=135040 && mpsCoda<=155775 && beamState==1)



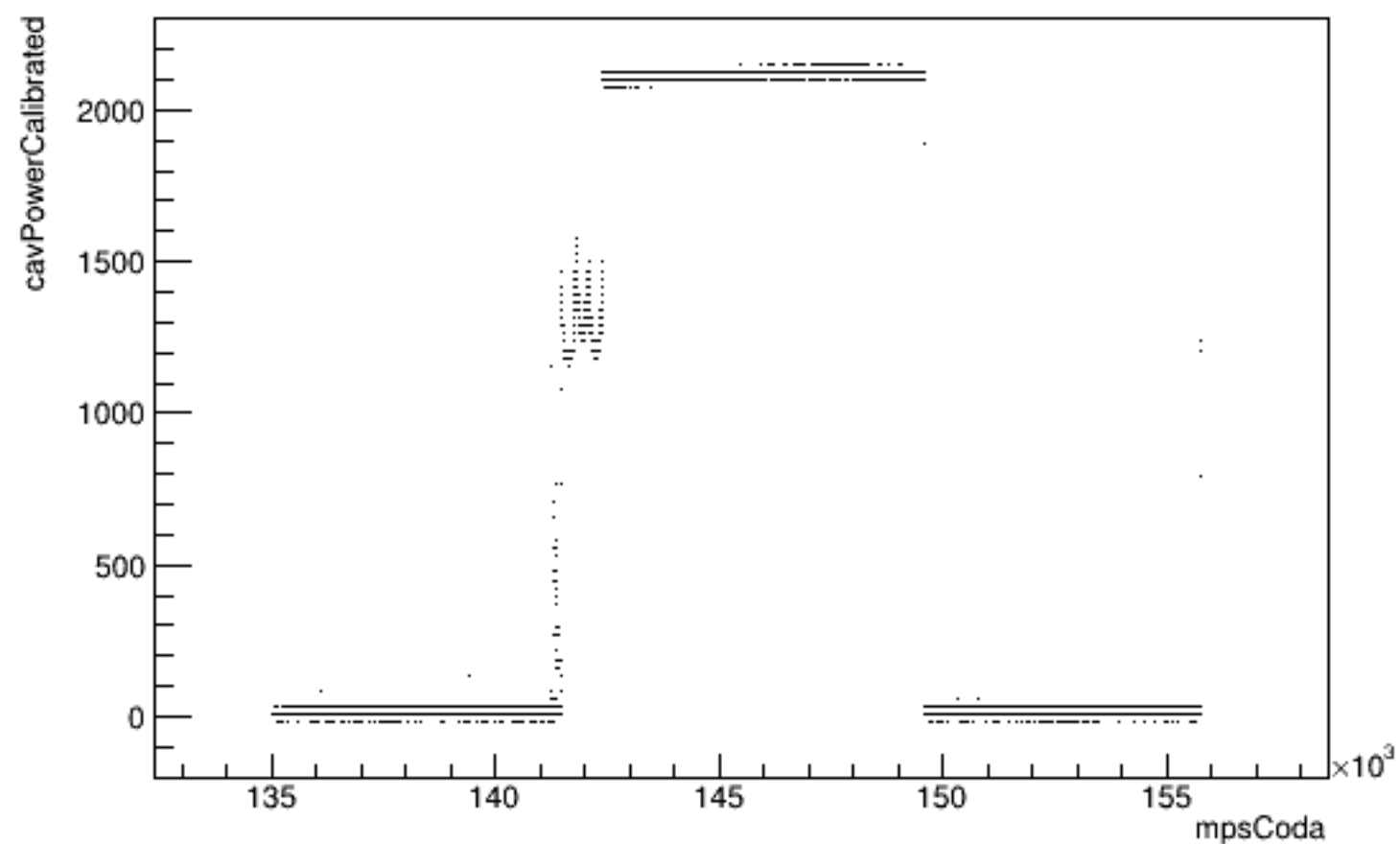
laserState:mpsCoda {mpsCoda&gt;=135040 &amp;&amp; mpsCoda&lt;=155775}



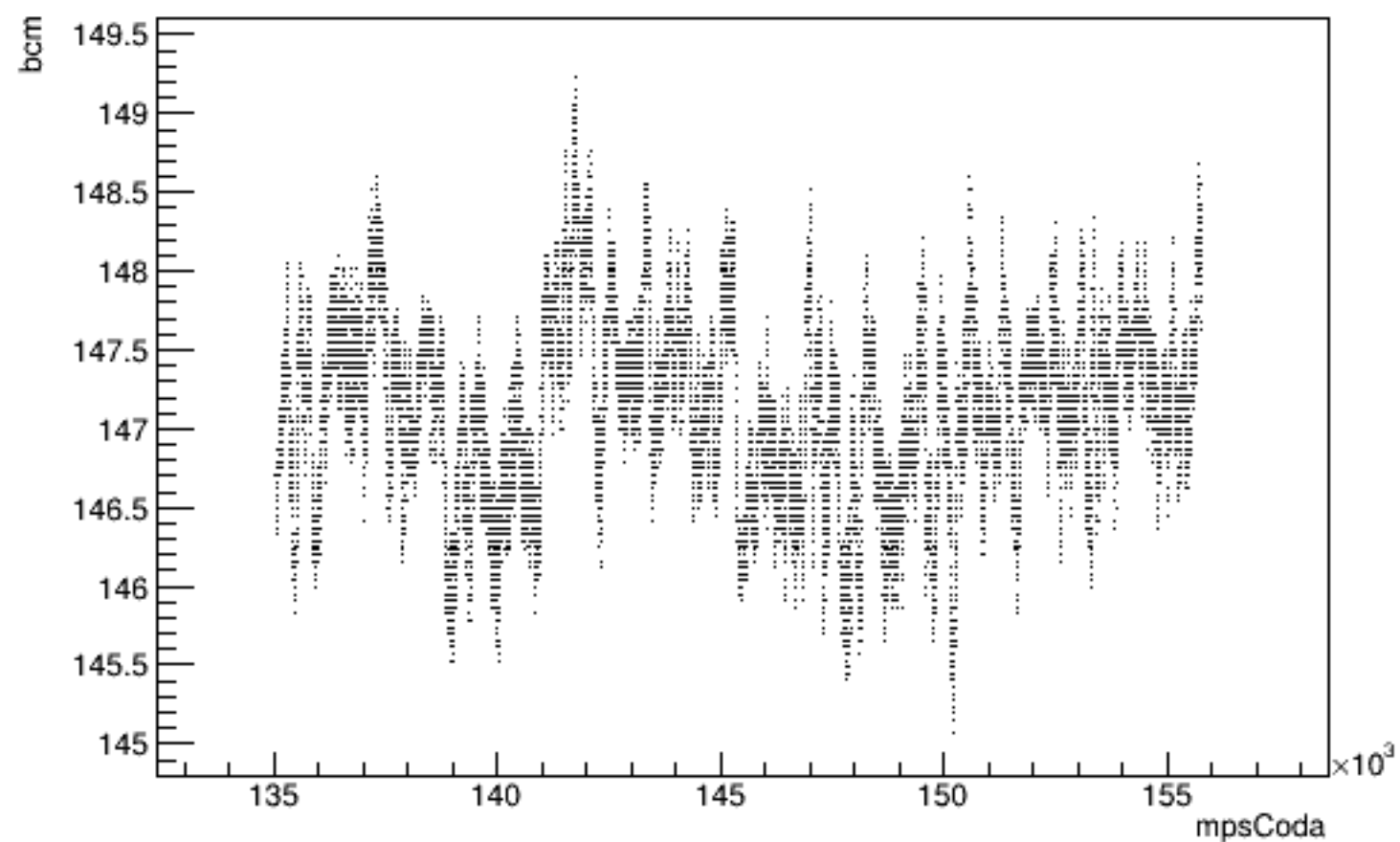
beamState + 1:mpsCoda {mpsCoda&gt;=135040 &amp;&amp; mpsCoda&lt;=155775}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=135040 &amp;&amp; mpsCoda&lt;=155775}



bcm:mpsCoda {mpsCoda&gt;=135040 &amp;&amp; mpsCoda&lt;=155775}



# Cycle 7, Diffs

Entries: 1557

Mean: -0.0082 +/- 0.0106

Std Dev: 0.4197 +/- 0.0075

Entries: 1802

Mean: -0.7532 +/- 0.0124

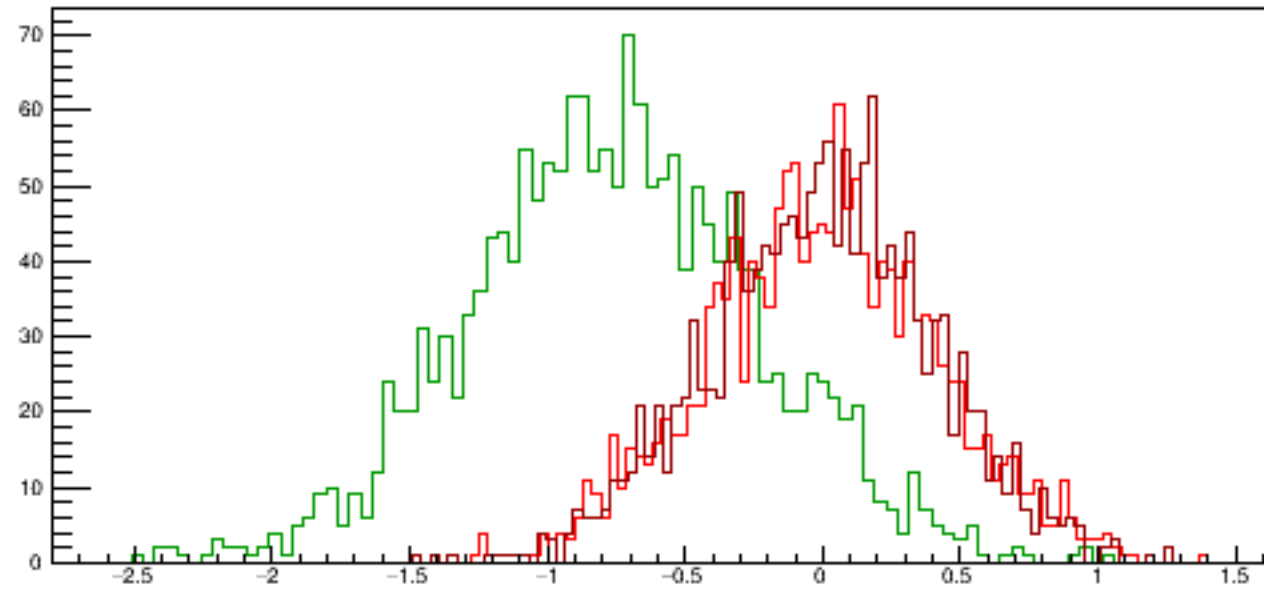
Std Dev: 0.5261 +/- 0.0088

Entries: 1552

Mean: -0.0053 +/- 0.0103

Std Dev: 0.4044 +/- 0.0073

Run 6089 quartetwise, Diffs



# Cycle 7, Sums

Entries: 1557

Mean: 6.9284 +/- 0.0112

Std Dev: 0.4407 +/- 0.0079

Entries: 1802

Mean: 31.2614 +/- 0.0150

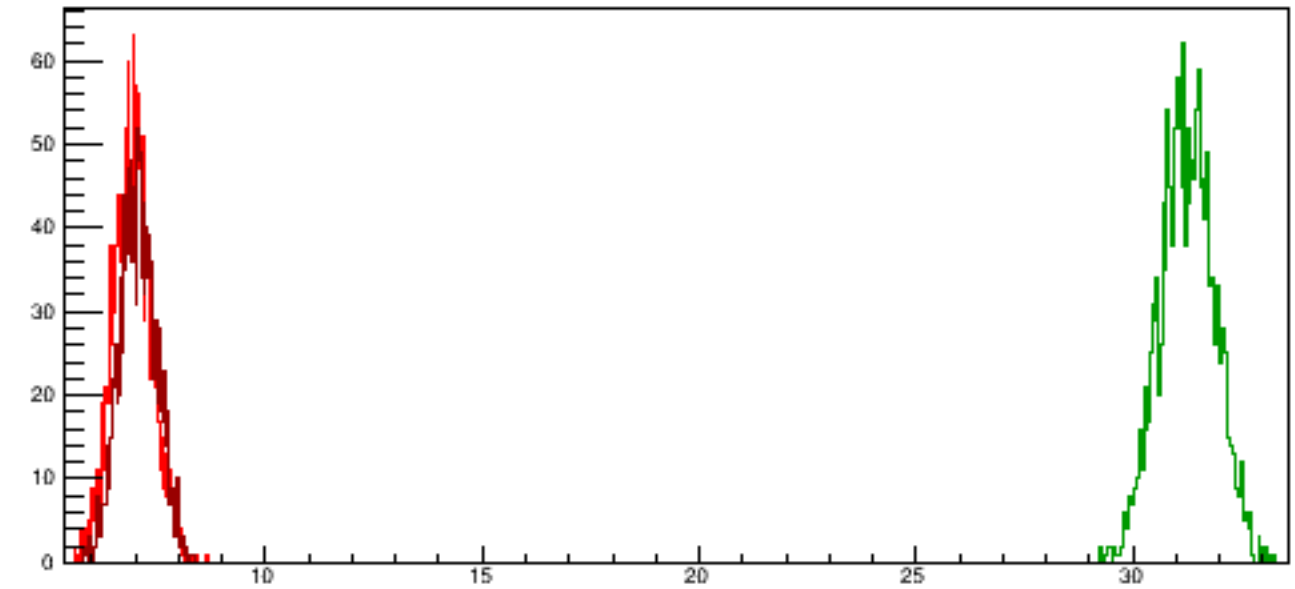
Std Dev: 0.6359 +/- 0.0106

Entries: 1552

Mean: 7.0580 +/- 0.0107

Std Dev: 0.4230 +/- 0.0076

Run 6089 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=234828 && mpsCoda<=255139 && beamState==1)

# Cycle 7, Asyms

Entries: 1557

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0173 +/- 0.0003

Entries: 1802

Mean: -0.0310 +/- 0.0005

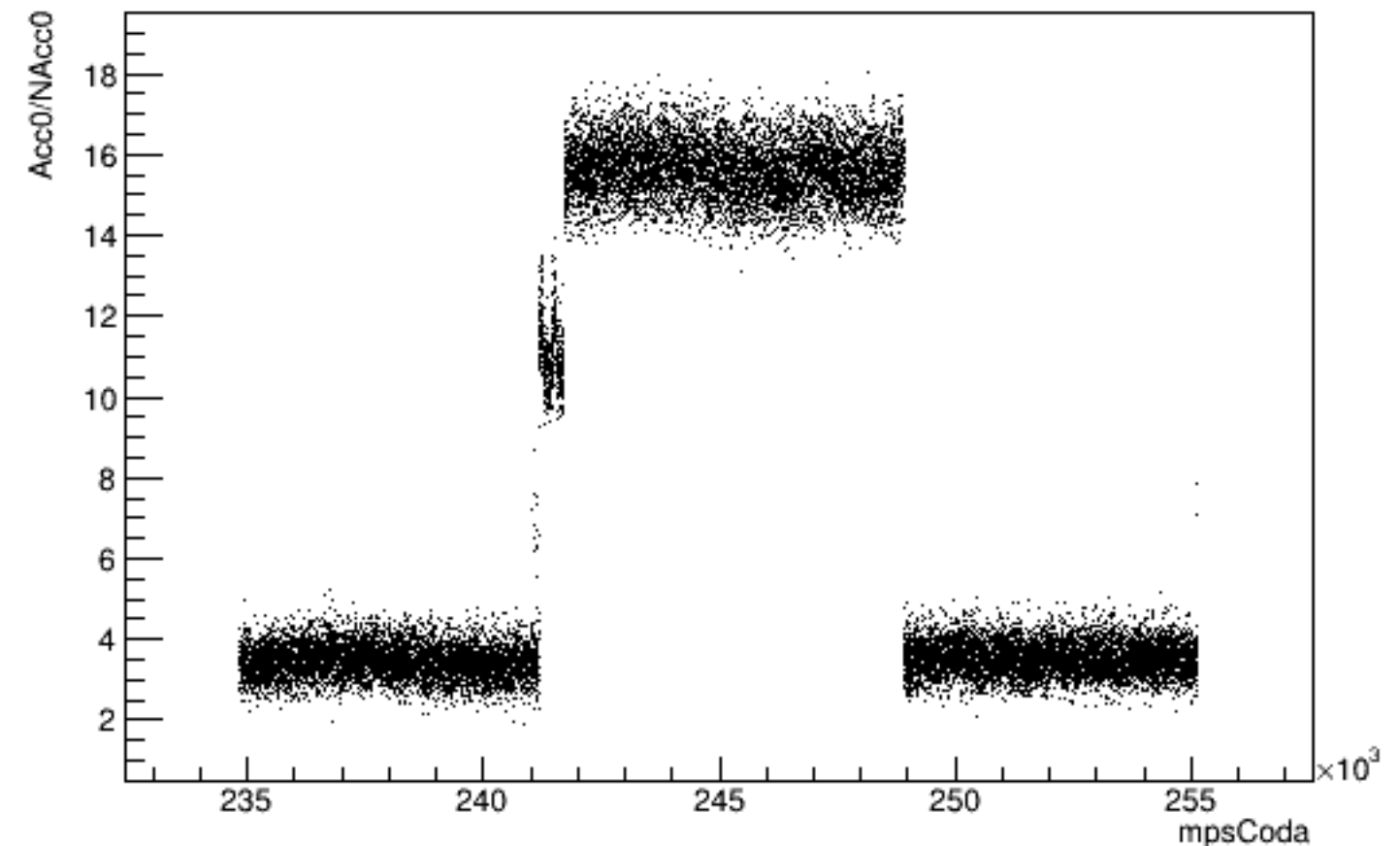
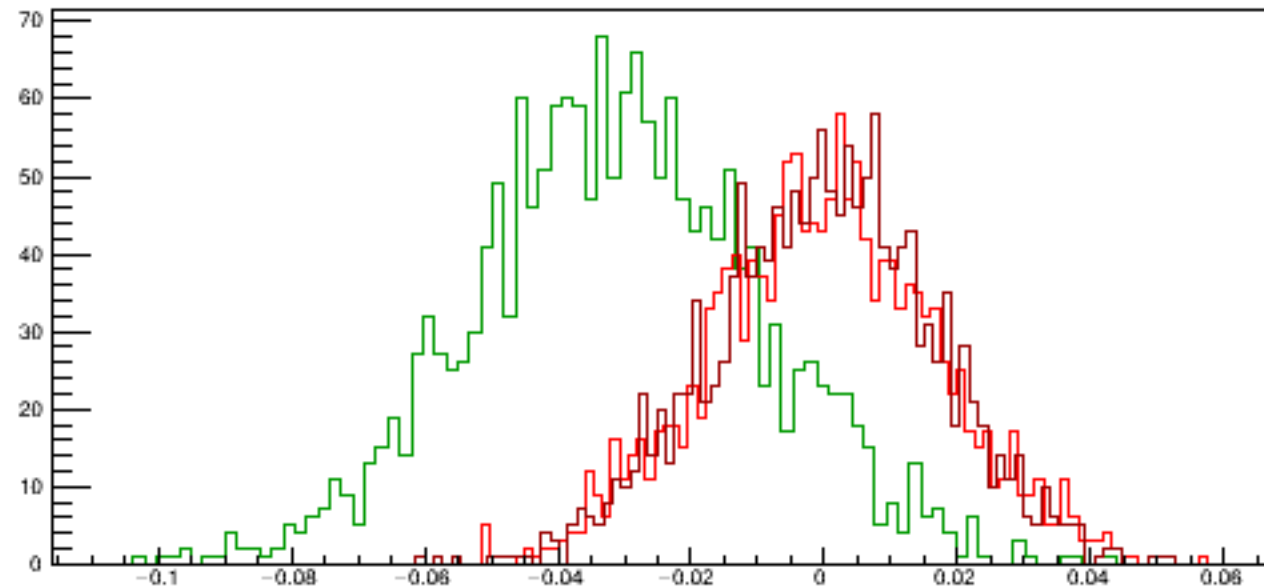
Std Dev: 0.0216 +/- 0.0004

Entries: 1552

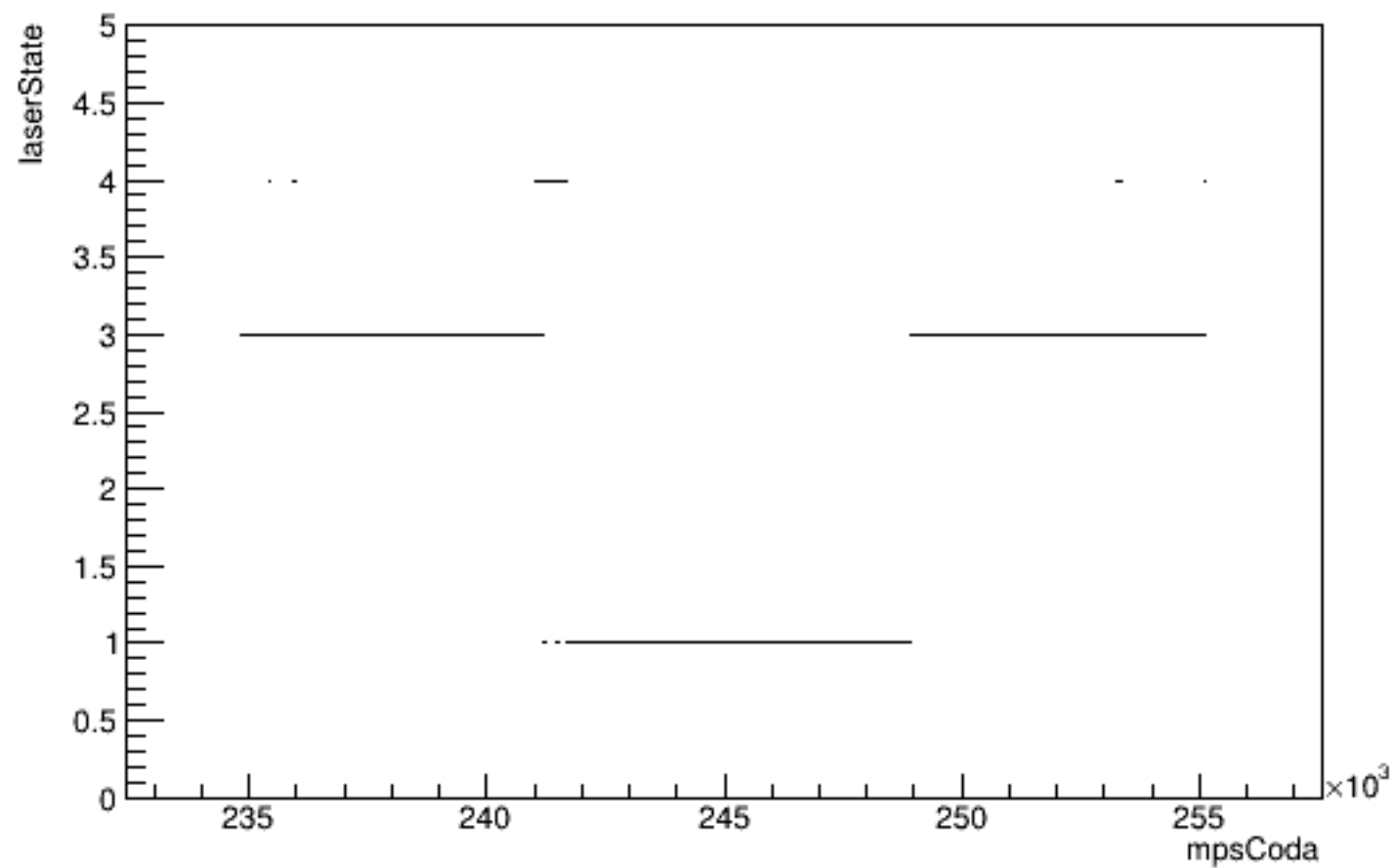
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

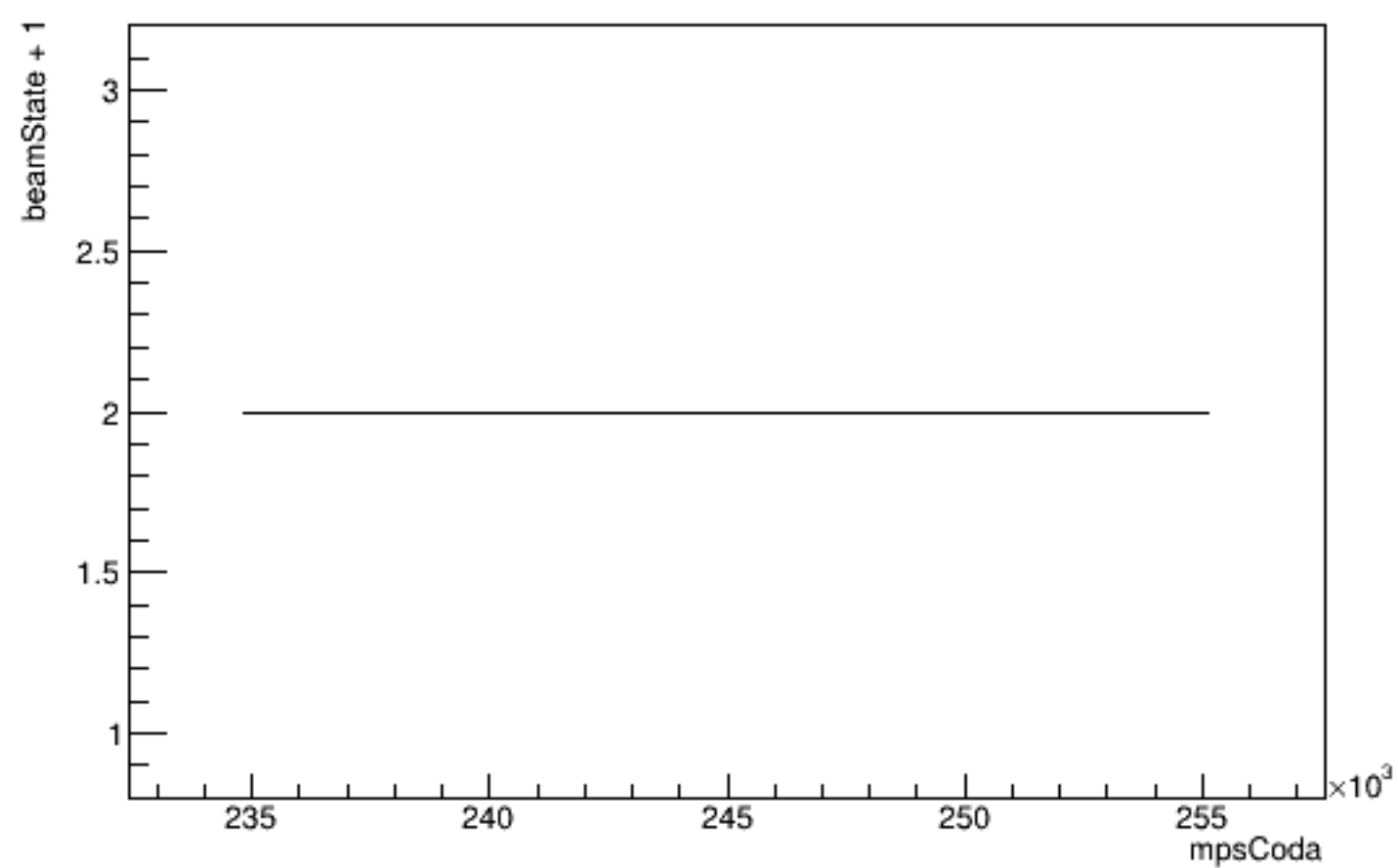
Run 6089 quartetwise, Asyms



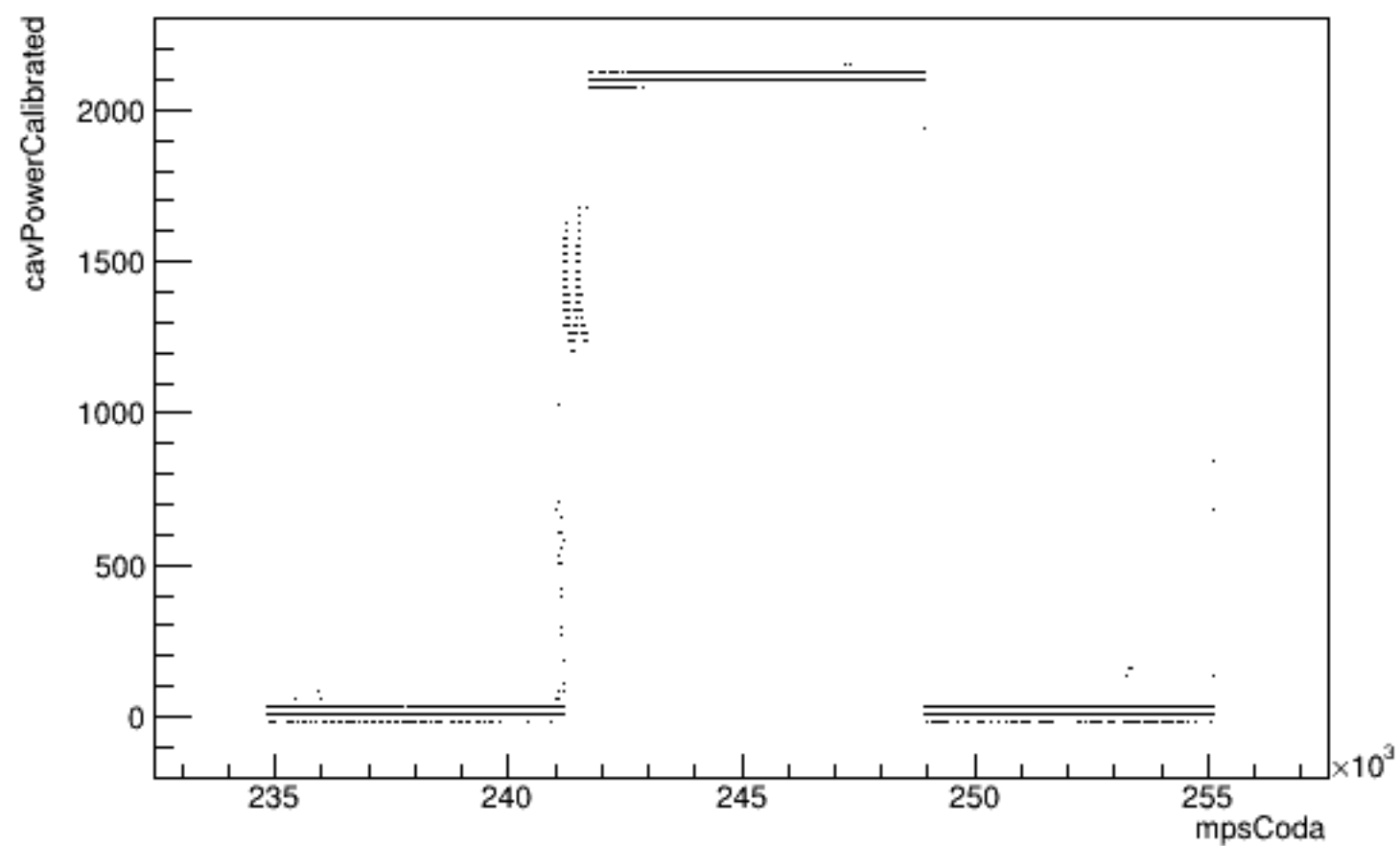
laserState:mpsCoda {mpsCoda&gt;=234828 &amp;&amp; mpsCoda&lt;=255139}



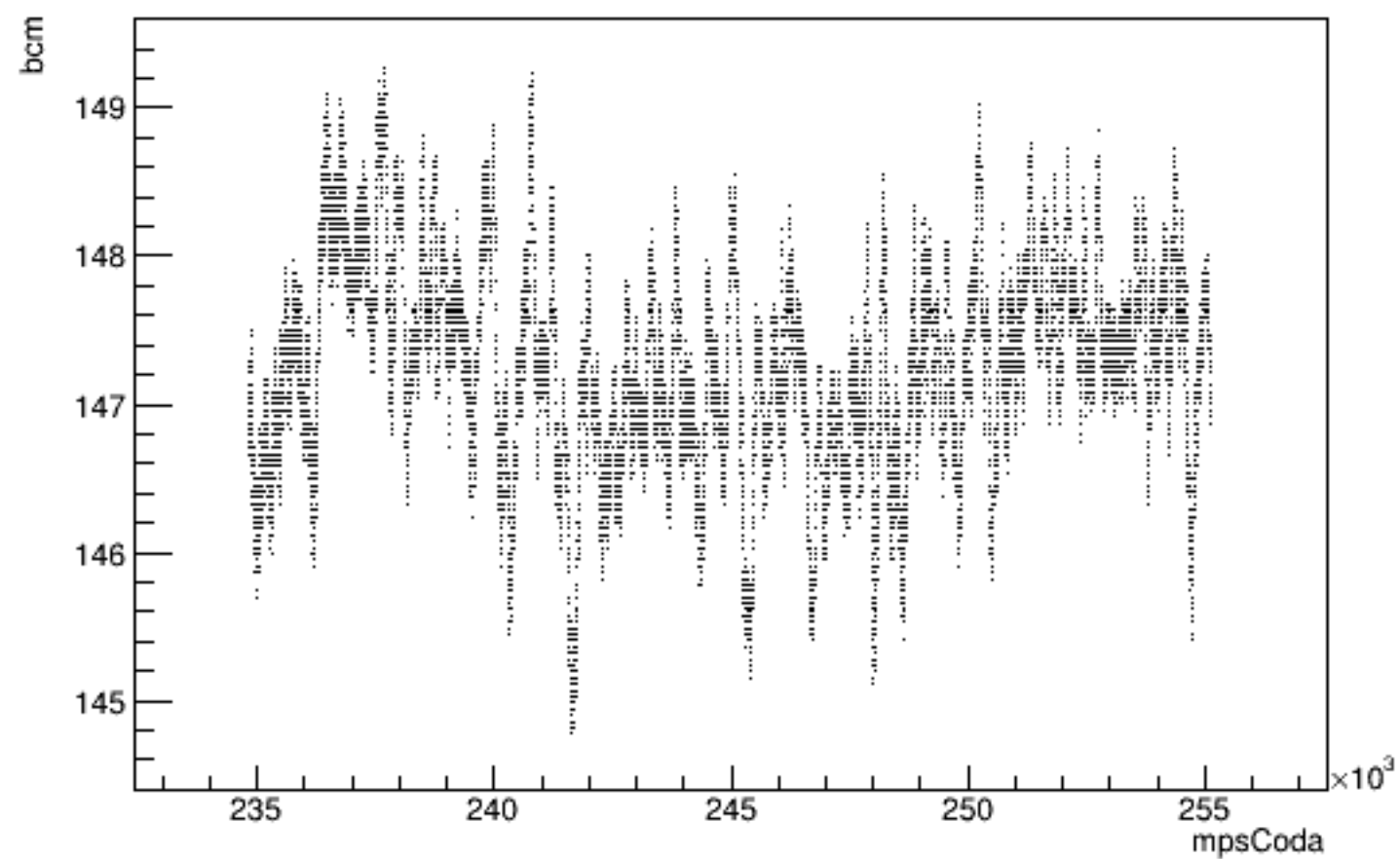
beamState + 1:mpsCoda {mpsCoda&gt;=234828 &amp;&amp; mpsCoda&lt;=255139}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=234828 &amp;&amp; mpsCoda&lt;=255139}



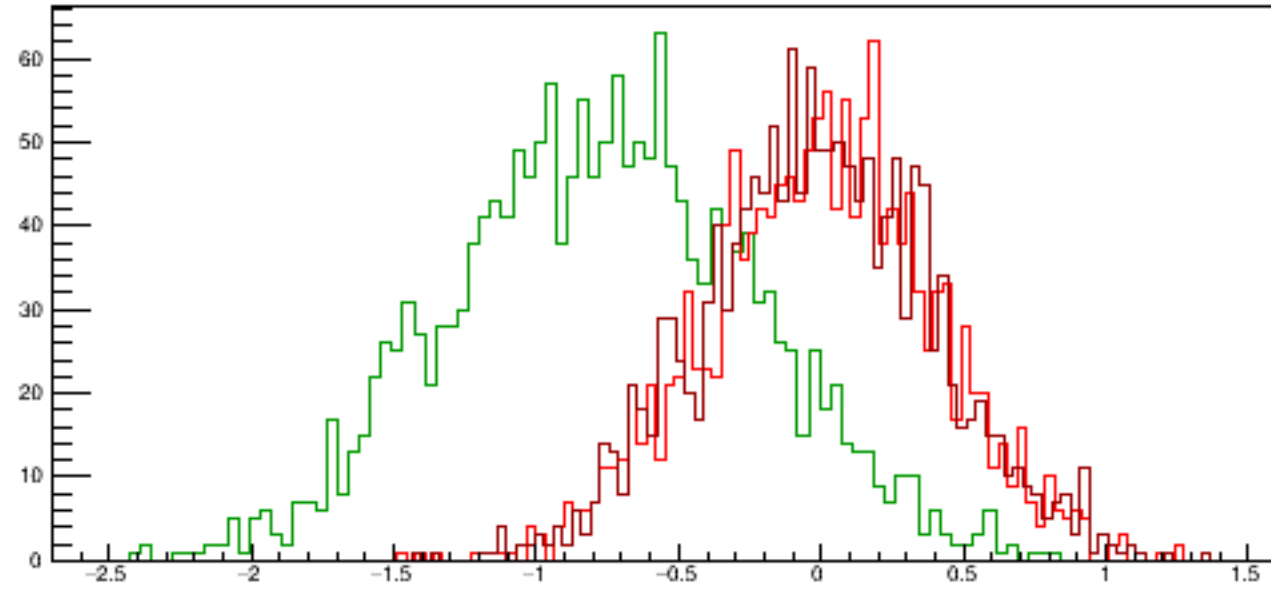
bcm:mpsCoda {mpsCoda&gt;=234828 &amp;&amp; mpsCoda&lt;=255139}



# Cycle 8, Diffs

<b>Entries: 1552</b>	<b>Entries: 1816</b>	<b>Entries: 1554</b>
<b>Mean: -0.0053 +/- 0.0103</b>	<b>Mean: -0.7650 +/- 0.0125</b>	<b>Mean: -0.0123 +/- 0.0103</b>
<b>Std Dev: 0.4044 +/- 0.0073</b>	<b>Std Dev: 0.5329 +/- 0.0088</b>	<b>Std Dev: 0.4062 +/- 0.0073</b>

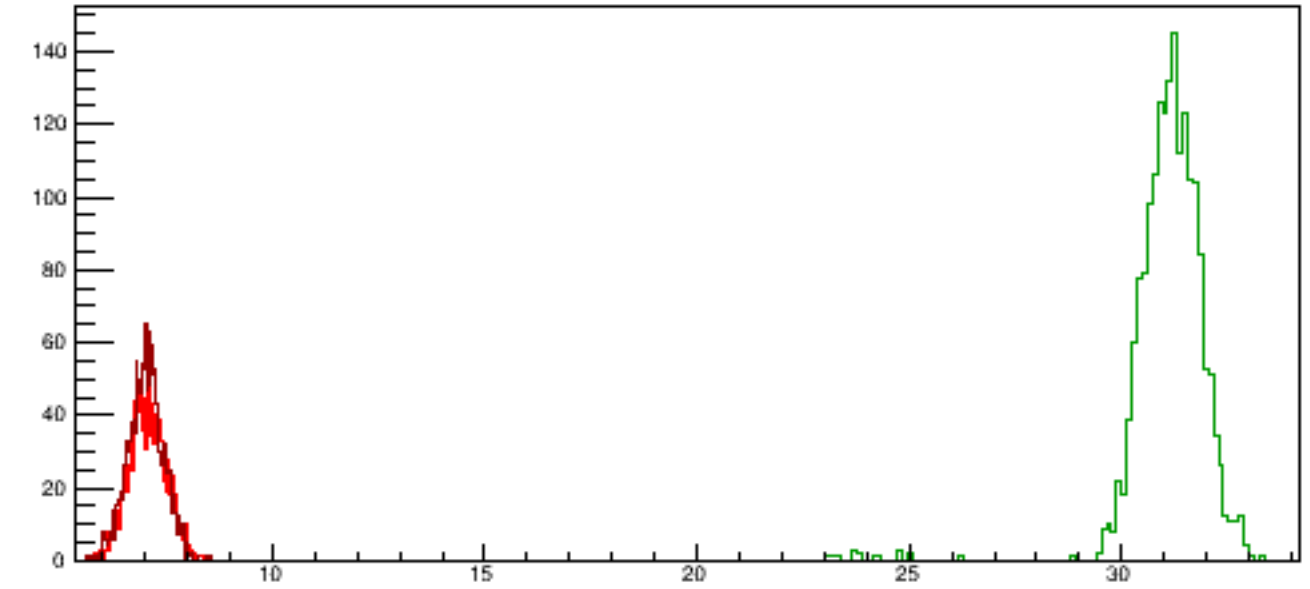
Run 6089 quartetwise, Diffs



# Cycle 8, Sums

<b>Entries: 1552</b>	<b>Entries: 1816</b>	<b>Entries: 1554</b>
<b>Mean: 7.0580 +/- 0.0107</b>	<b>Mean: 31.1309 +/- 0.0214</b>	<b>Mean: 7.0147 +/- 0.0105</b>
<b>Std Dev: 0.4230 +/- 0.0076</b>	<b>Std Dev: 0.9099 +/- 0.0151</b>	<b>Std Dev: 0.4137 +/- 0.0074</b>

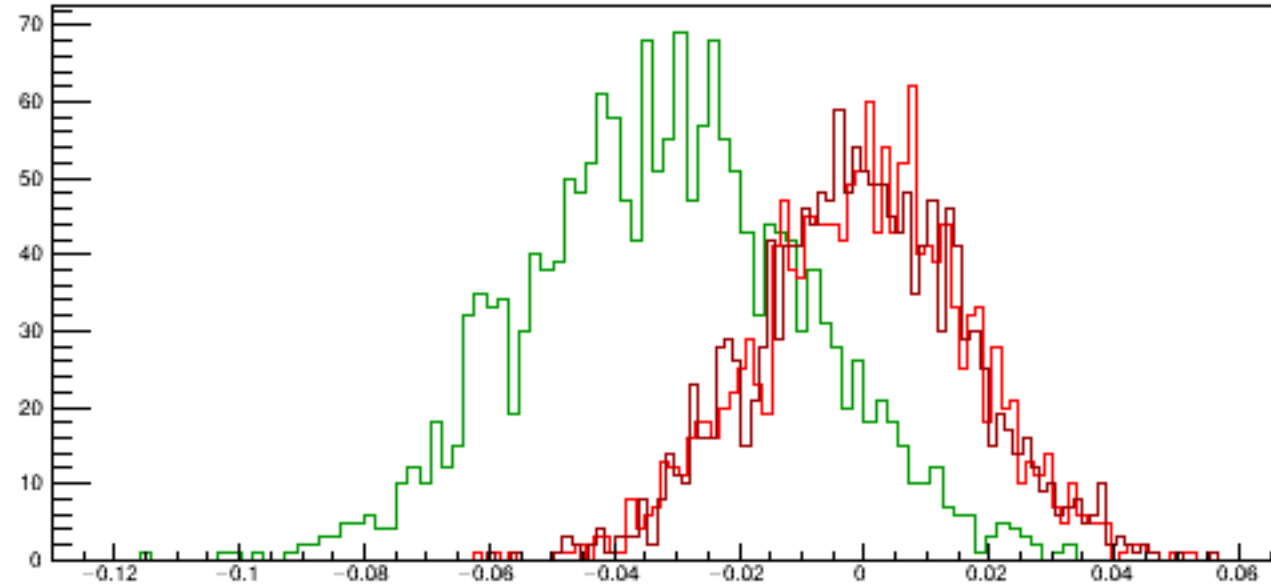
Run 6089 quartetwise, Sums



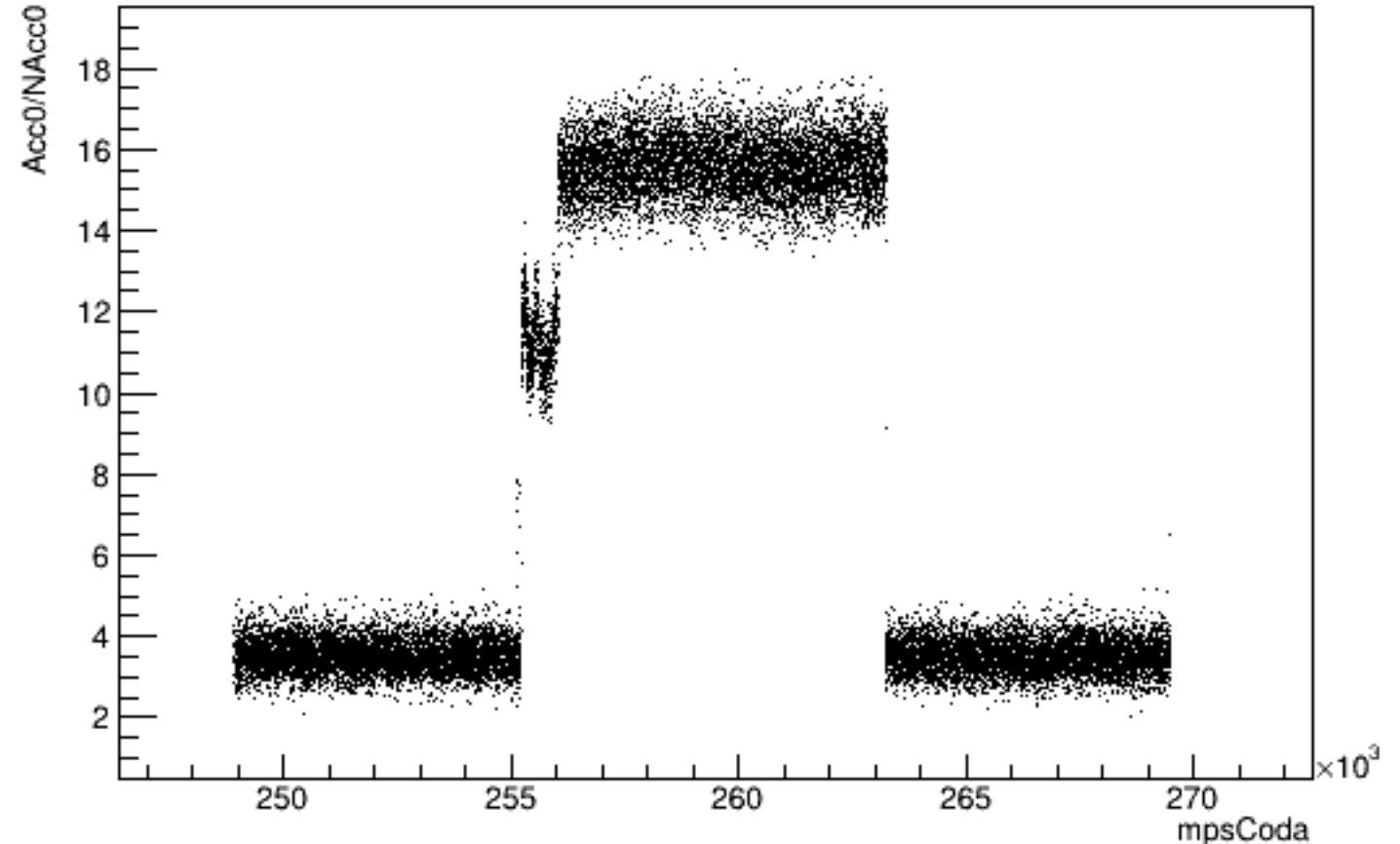
# Cycle 8, Asyms

<b>Entries: 1552</b>	<b>Entries: 1816</b>	<b>Entries: 1554</b>
<b>Mean: -0.0002 +/- 0.0004</b>	<b>Mean: -0.0317 +/- 0.0005</b>	<b>Mean: -0.0005 +/- 0.0004</b>
<b>Std Dev: 0.0168 +/- 0.0003</b>	<b>Std Dev: 0.0221 +/- 0.0004</b>	<b>Std Dev: 0.0169 +/- 0.0003</b>

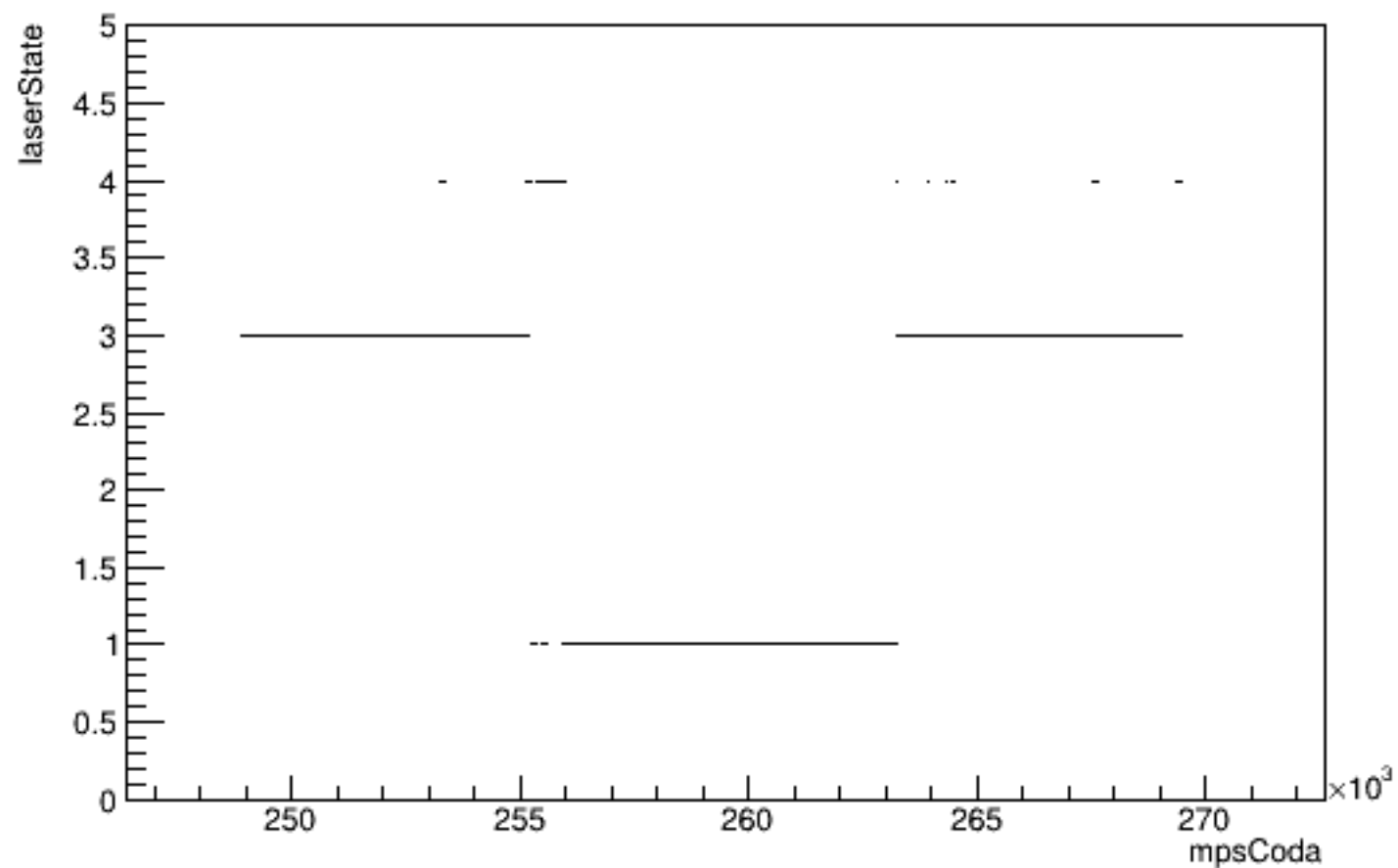
Run 6089 quartetwise, Asyms



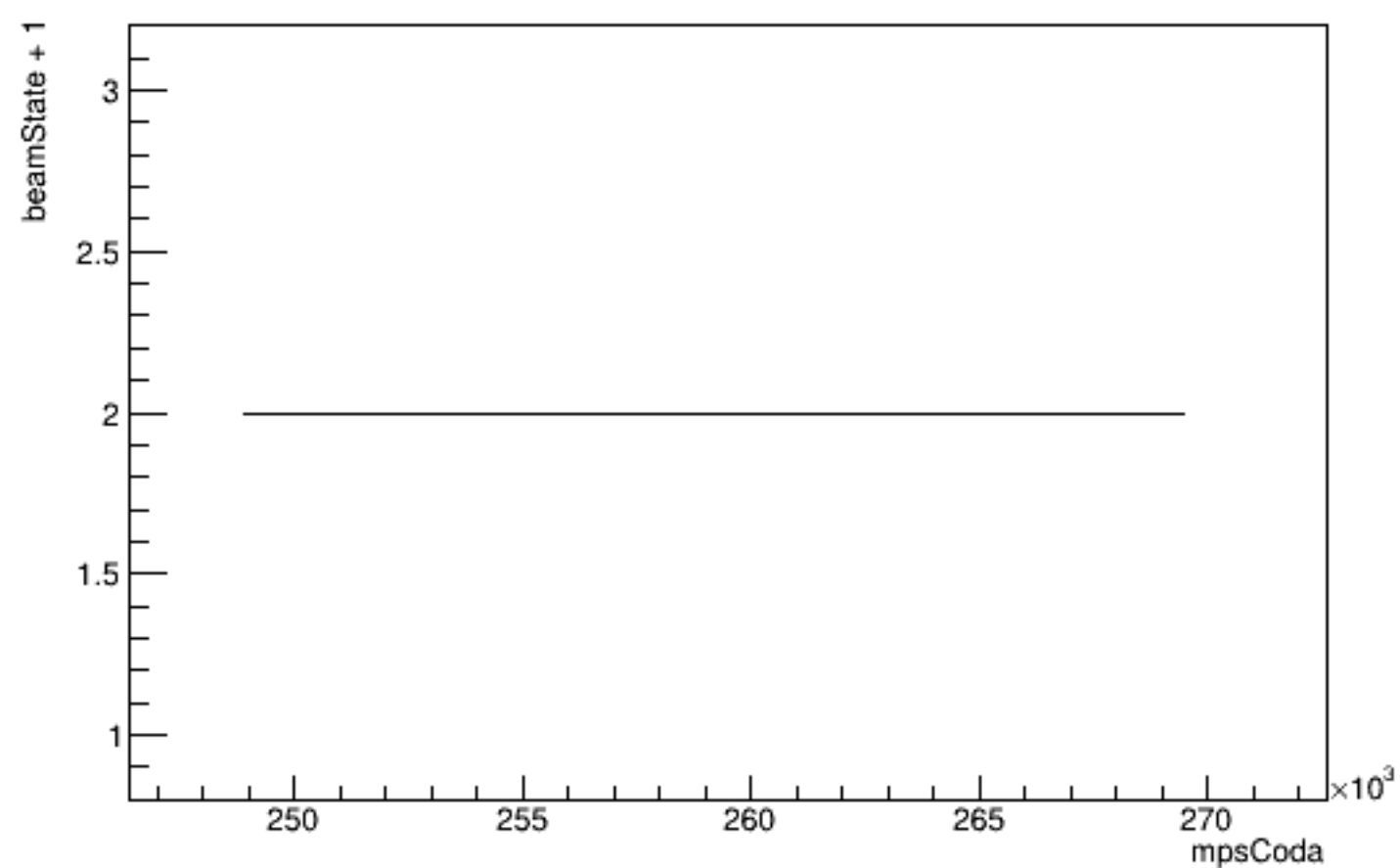
Acc0/NAcc0:mpsCoda (mpsCoda>=248916 && mpsCoda<=269499 && beamState==1)



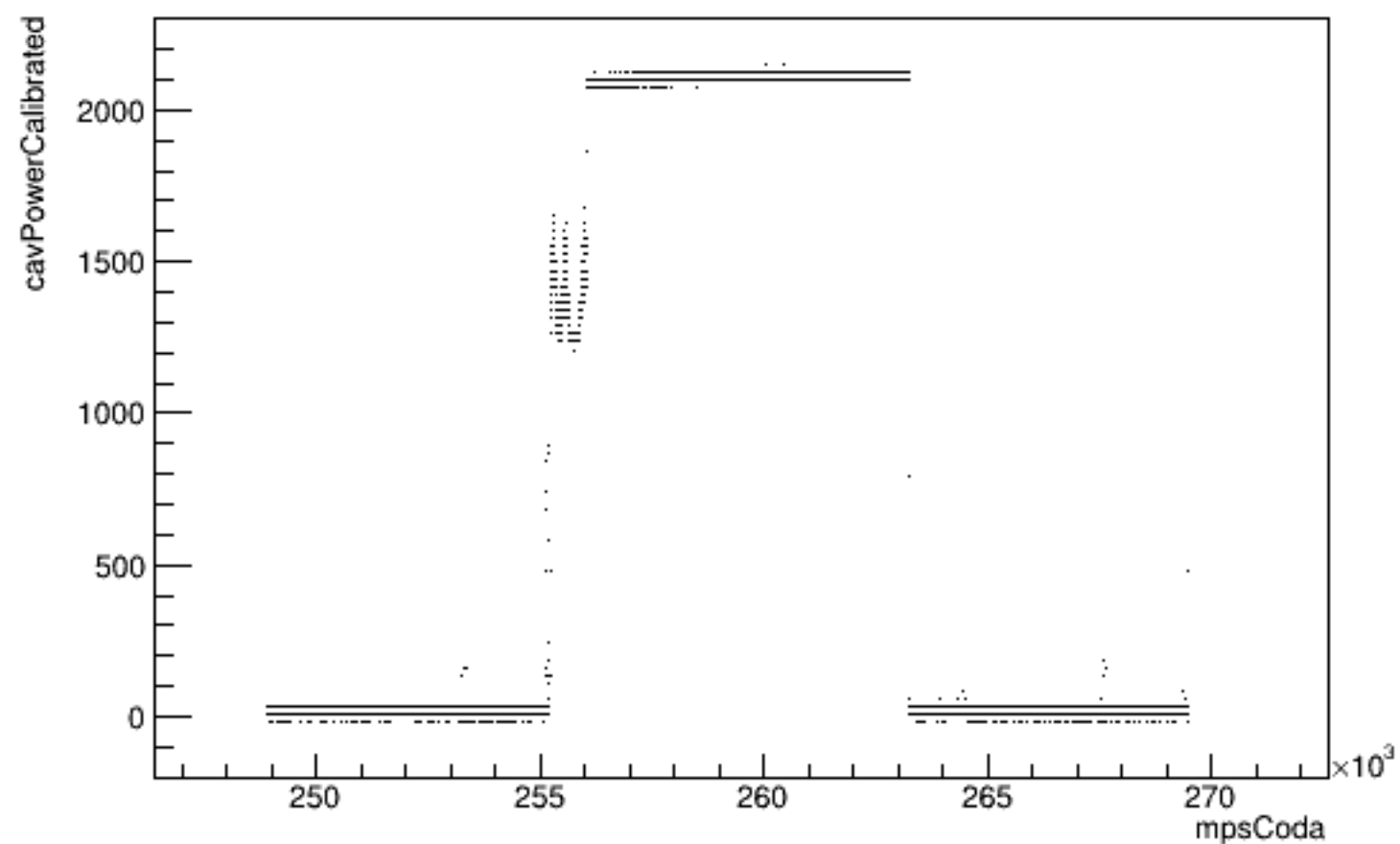
laserState:mpsCoda {mpsCoda&gt;=248916 &amp;&amp; mpsCoda&lt;=269499}



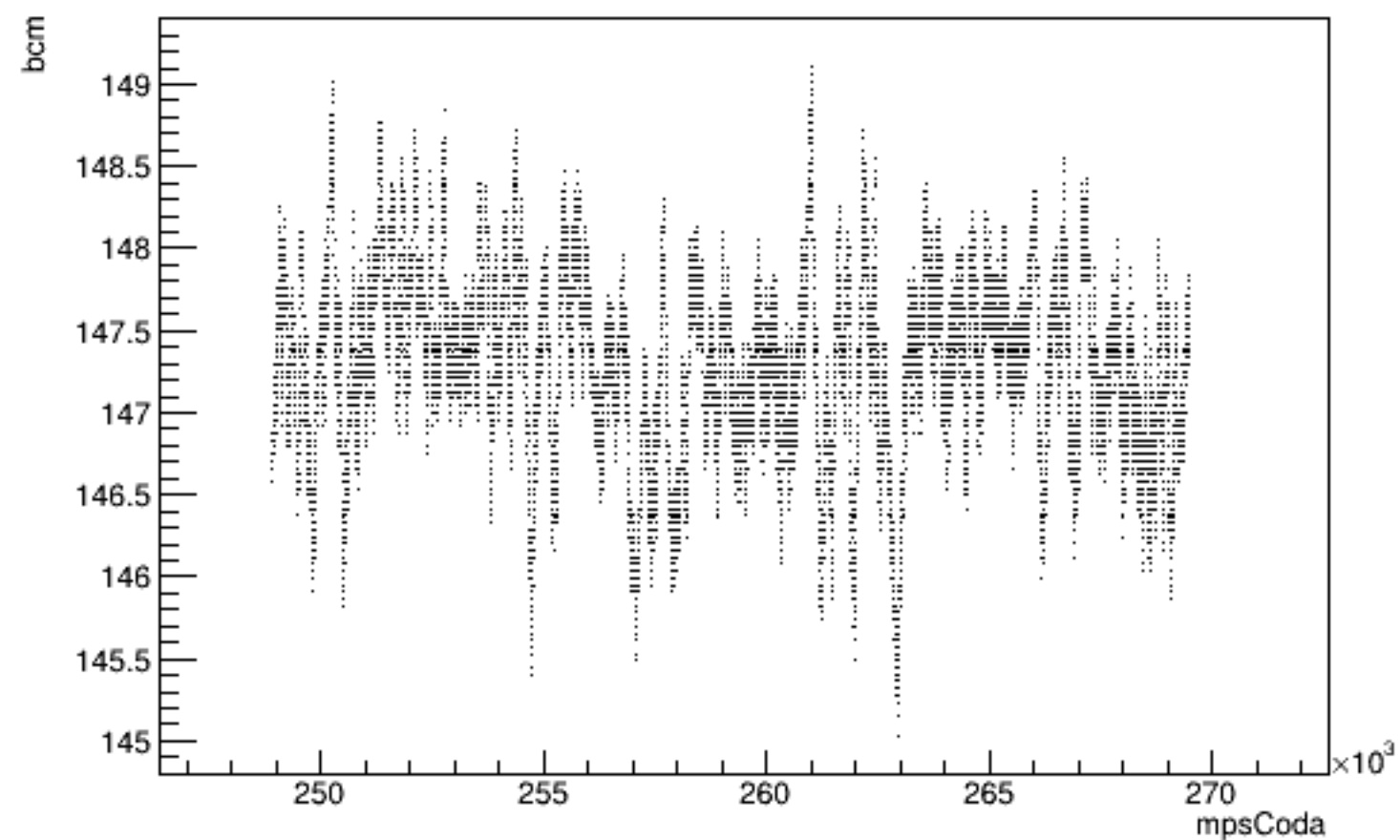
beamState + 1:mpsCoda {mpsCoda&gt;=248916 &amp;&amp; mpsCoda&lt;=269499}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=248916 &amp;&amp; mpsCoda&lt;=269499}



bcm:mpsCoda {mpsCoda&gt;=248916 &amp;&amp; mpsCoda&lt;=269499}





# Cycle 9, Diffs

Entries: 1552

Mean: 0.0023 +/- 0.0099

Std Dev: 0.3901 +/- 0.0070

Entries: 1810

Mean: -0.7683 +/- 0.0126

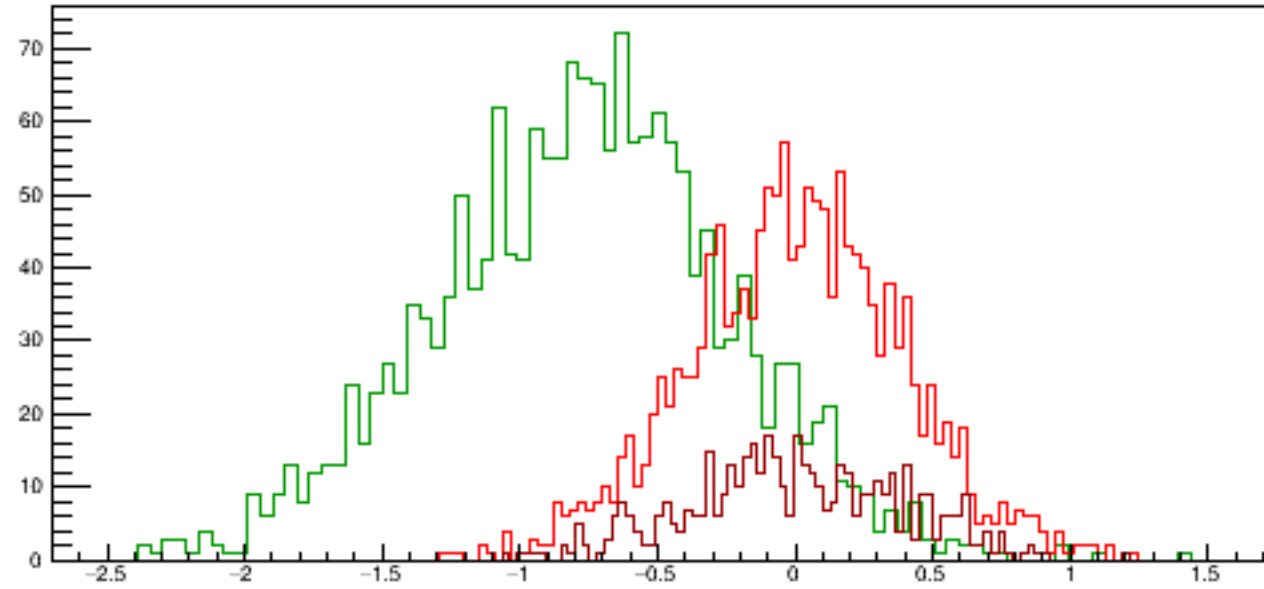
Std Dev: 0.5355 +/- 0.0089

Entries: 467

Mean: 0.0020 +/- 0.0181

Std Dev: 0.3907 +/- 0.0128

Run 6089 quartetwise, Diffs



# Cycle 9, Sums

Entries: 1552

Mean: 6.8804 +/- 0.0106

Std Dev: 0.4183 +/- 0.0075

Entries: 1810

Mean: 31.7049 +/- 0.0192

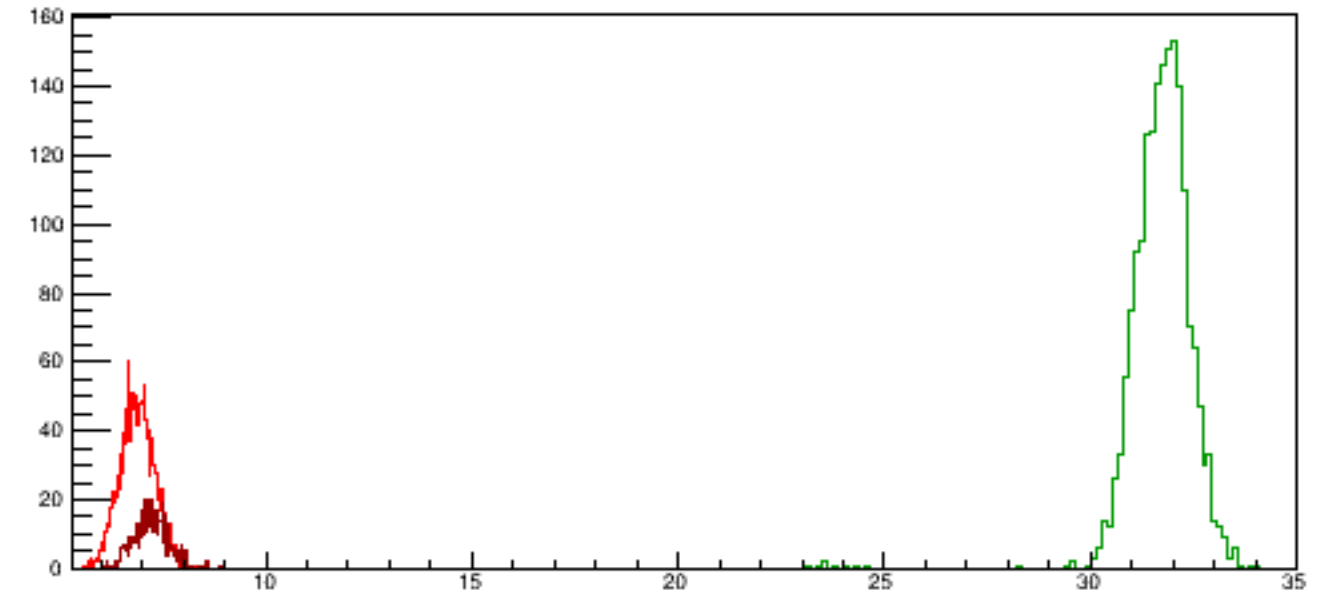
Std Dev: 0.8152 +/- 0.0135

Entries: 467

Mean: 7.2269 +/- 0.0202

Std Dev: 0.4355 +/- 0.0142

Run 6089 quartetwise, Sums



# Cycle 9, Asyms

Entries: 1552

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0158 +/- 0.0003

Entries: 1810

Mean: -0.0312 +/- 0.0005

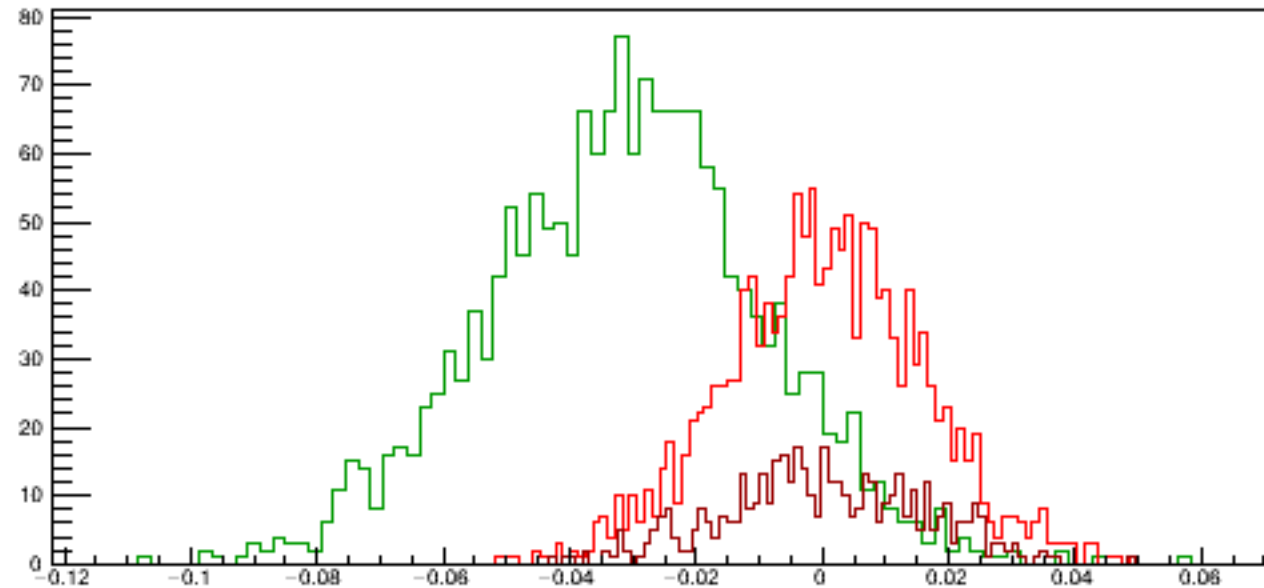
Std Dev: 0.0217 +/- 0.0004

Entries: 467

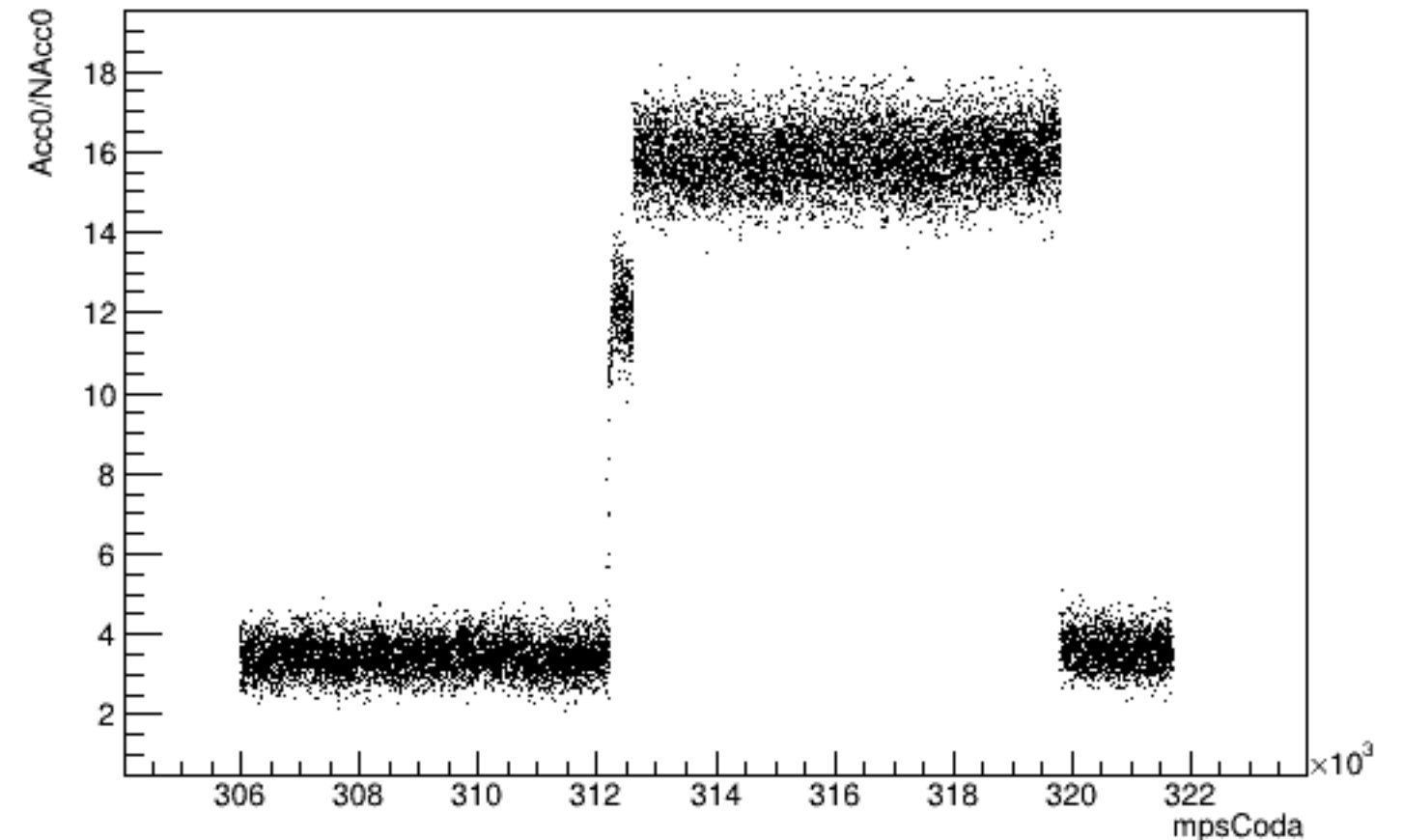
Mean: 0.0001 +/- 0.0007

Std Dev: 0.0158 +/- 0.0005

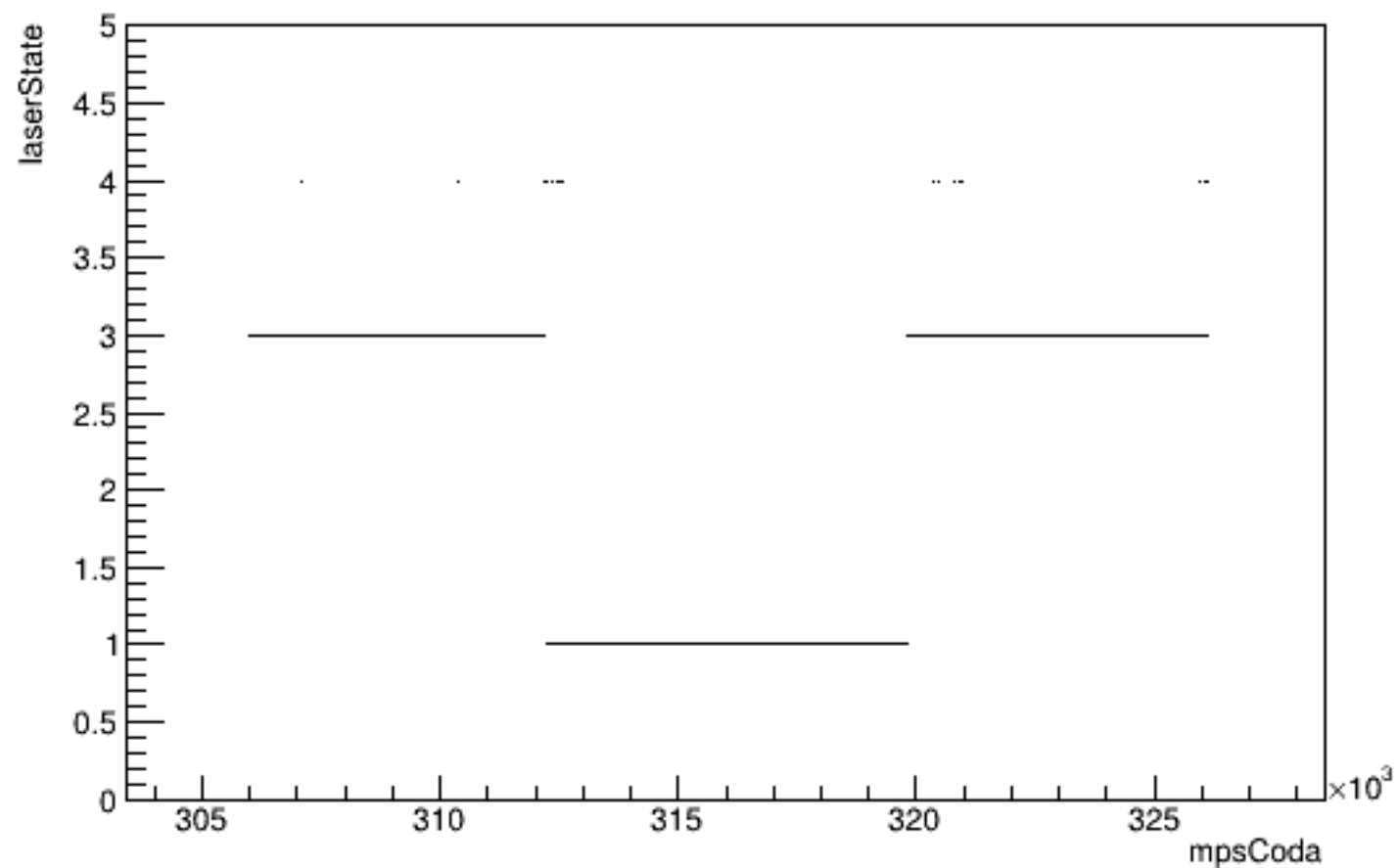
Run 6089 quartetwise, Asyms



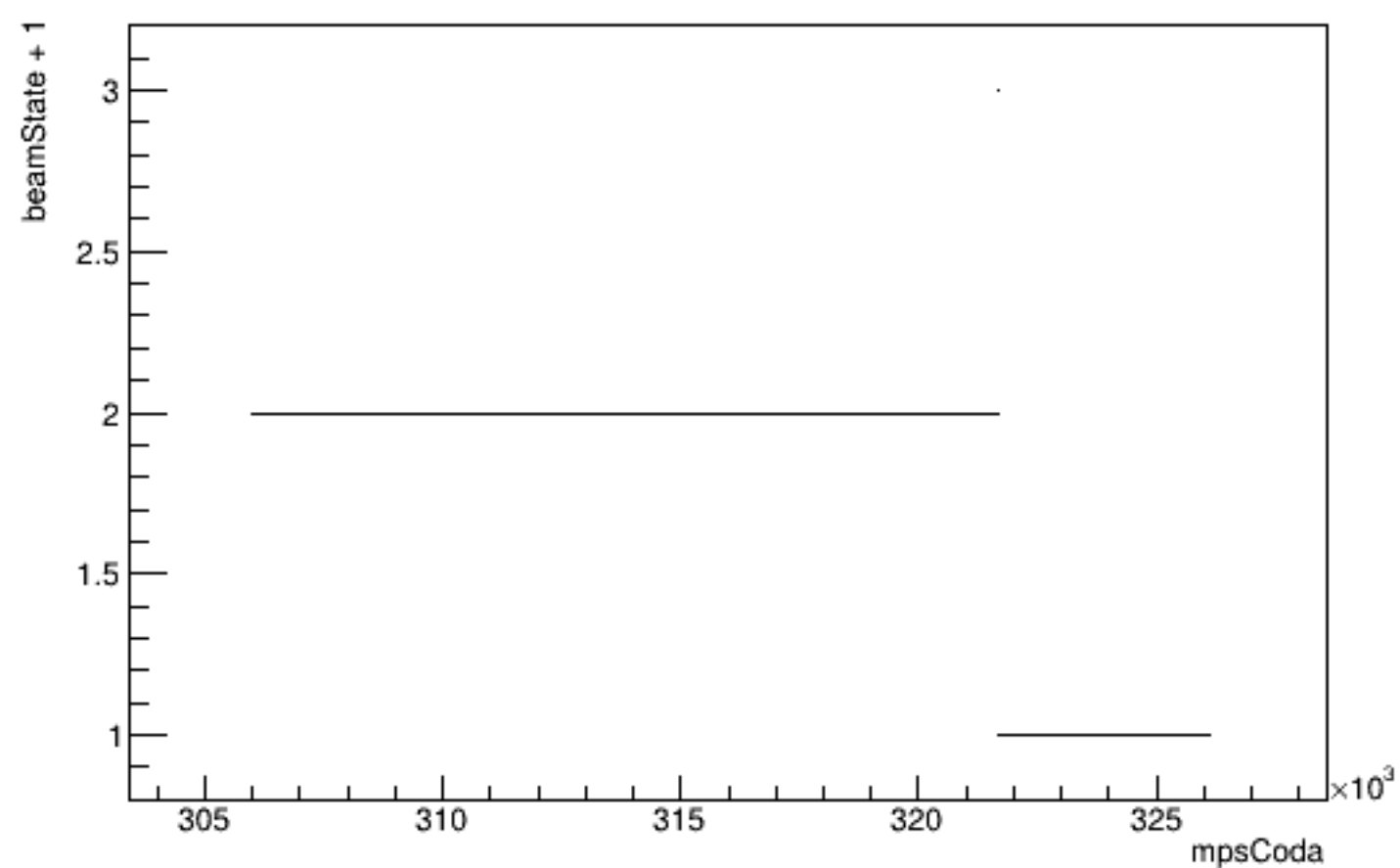
Acc0/NAcc0:mpsCoda (mpsCoda>=305976 && mpsCoda<=326099 && beamState==1)



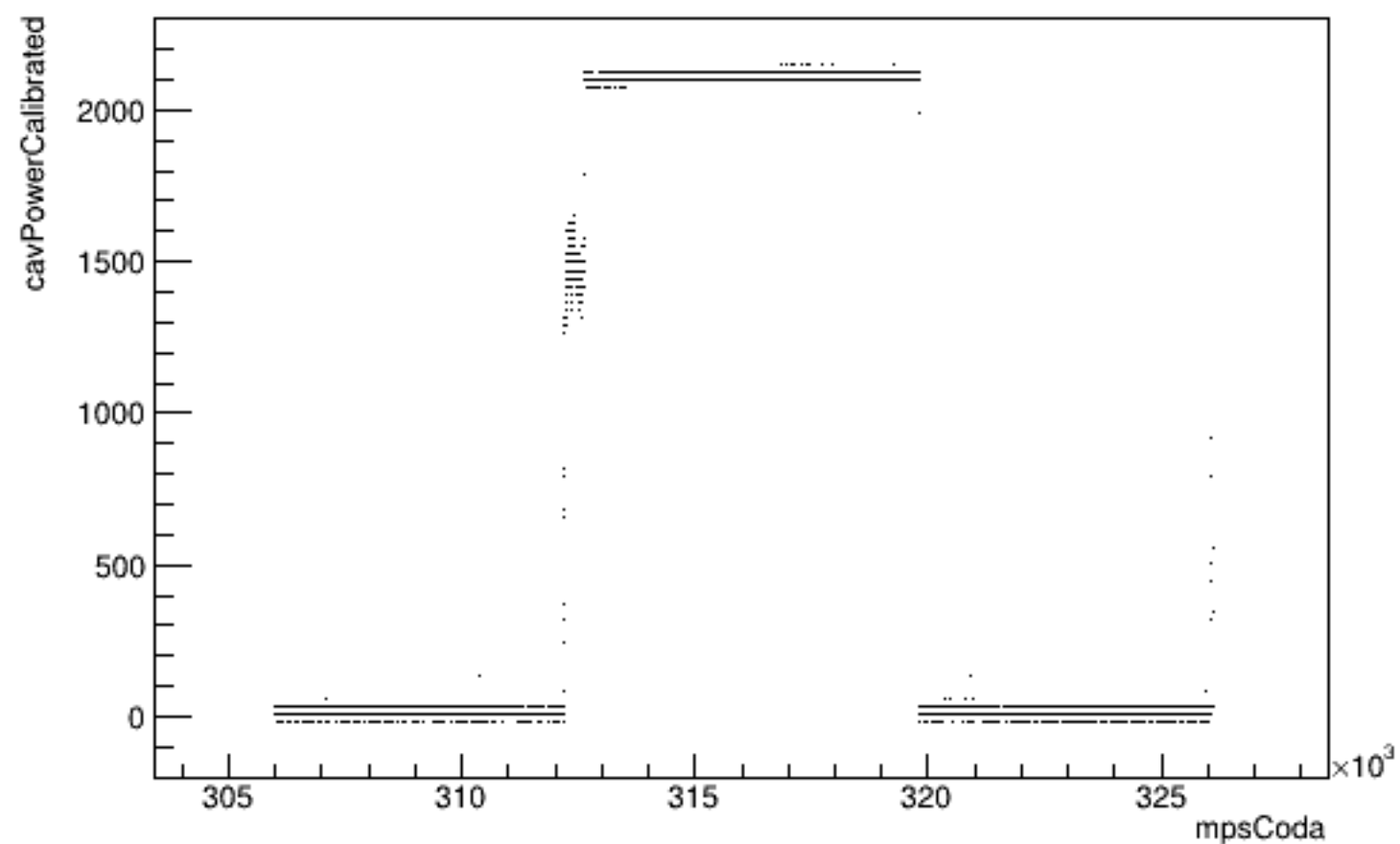
laserState:mpsCoda {mpsCoda&gt;=305976 &amp;&amp; mpsCoda&lt;=326099}



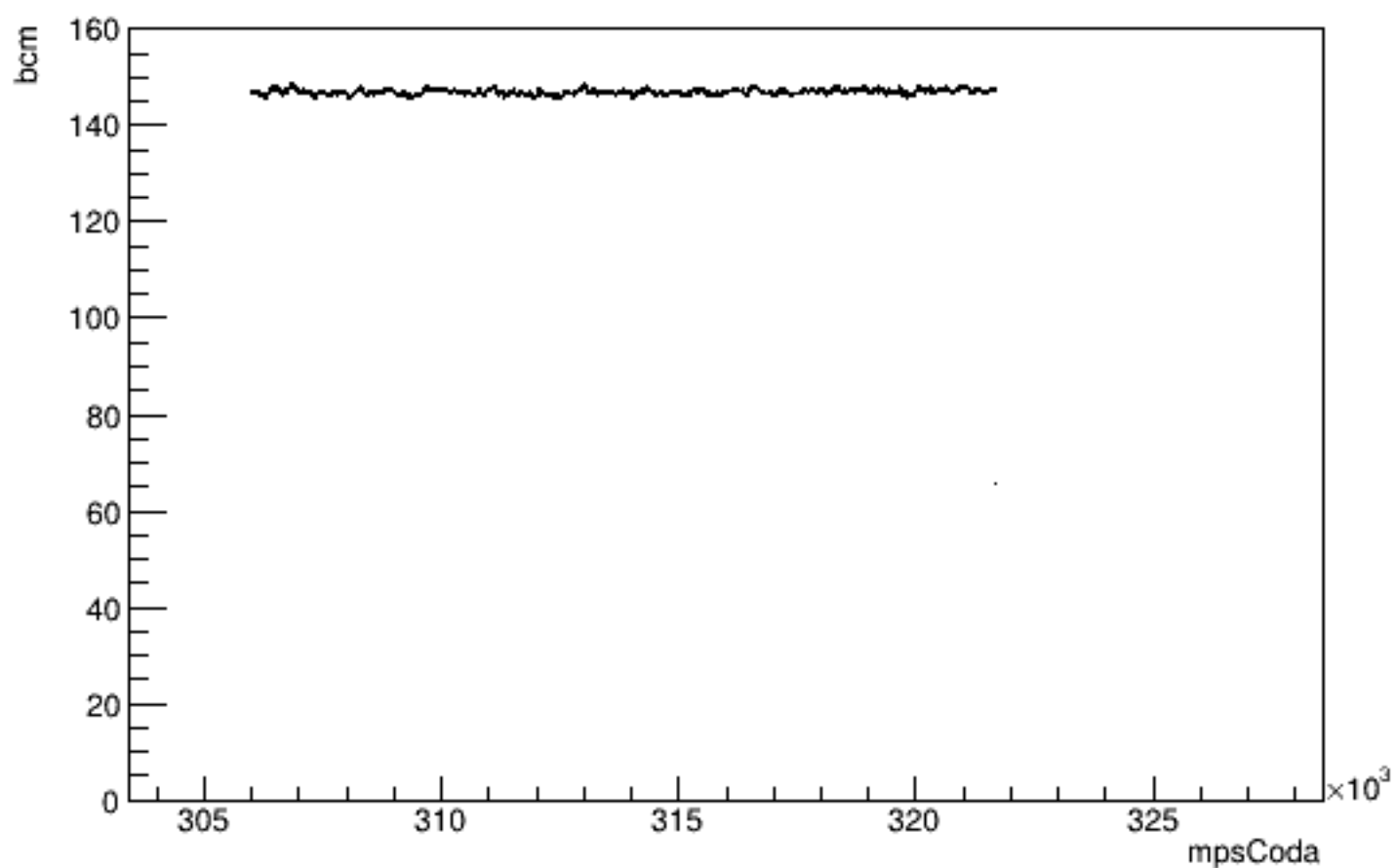
beamState + 1:mpsCoda {mpsCoda&gt;=305976 &amp;&amp; mpsCoda&lt;=326099}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=305976 &amp;&amp; mpsCoda&lt;=326099}



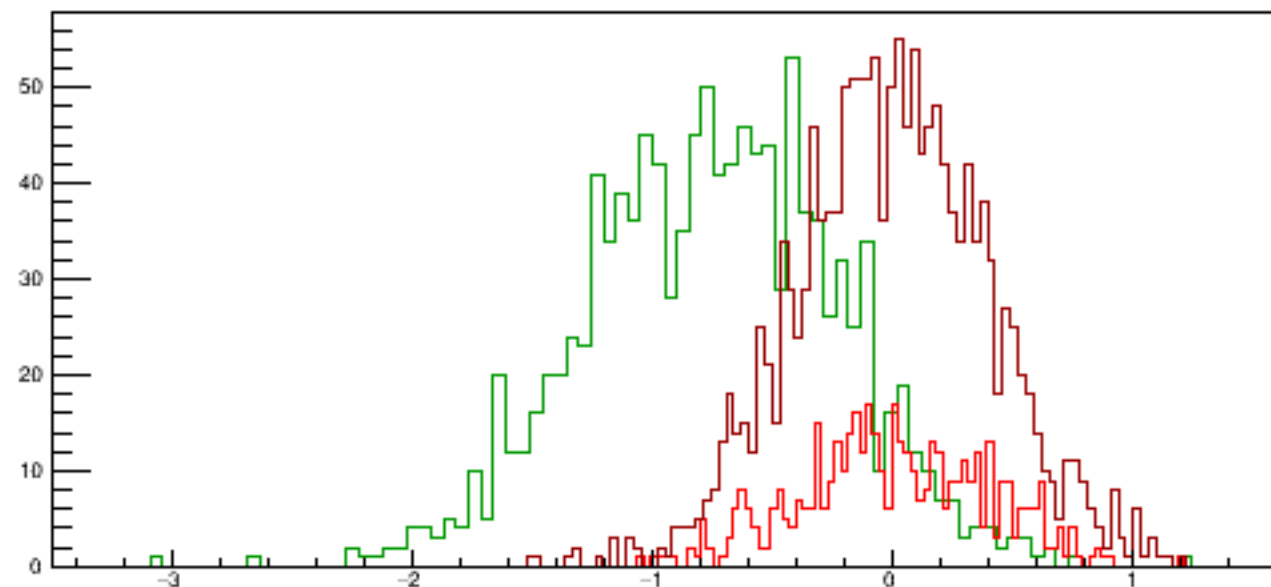
bcm:mpsCoda {mpsCoda&gt;=305976 &amp;&amp; mpsCoda&lt;=326099}



# Cycle 10, Diffs

<b>Entries: 467</b>	<b>Entries: 1180</b>	<b>Entries: 1561</b>
<b>Mean: 0.0020 +/- 0.0181</b>	<b>Mean: -0.7527 +/- 0.0153</b>	<b>Mean: -0.0026 +/- 0.0102</b>
<b>Std Dev: 0.3907 +/- 0.0128</b>	<b>Std Dev: 0.5263 +/- 0.0108</b>	<b>Std Dev: 0.4030 +/- 0.0072</b>

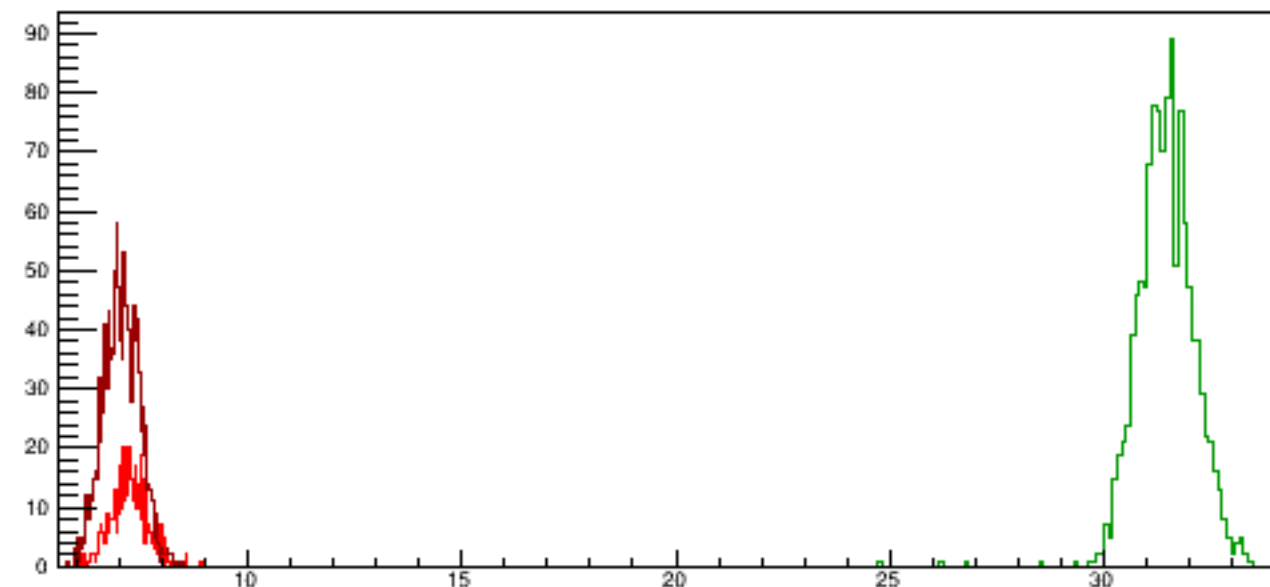
Run 6089 quartetwise, Diffs



# Cycle 10, Sums

<b>Entries: 467</b>	<b>Entries: 1180</b>	<b>Entries: 1561</b>
<b>Mean: 7.2269 +/- 0.0202</b>	<b>Mean: 31.4616 +/- 0.0202</b>	<b>Mean: 7.0322 +/- 0.0107</b>
<b>Std Dev: 0.4355 +/- 0.0142</b>	<b>Std Dev: 0.6936 +/- 0.0143</b>	<b>Std Dev: 0.4231 +/- 0.0076</b>

Run 6089 quartetwise, Sums

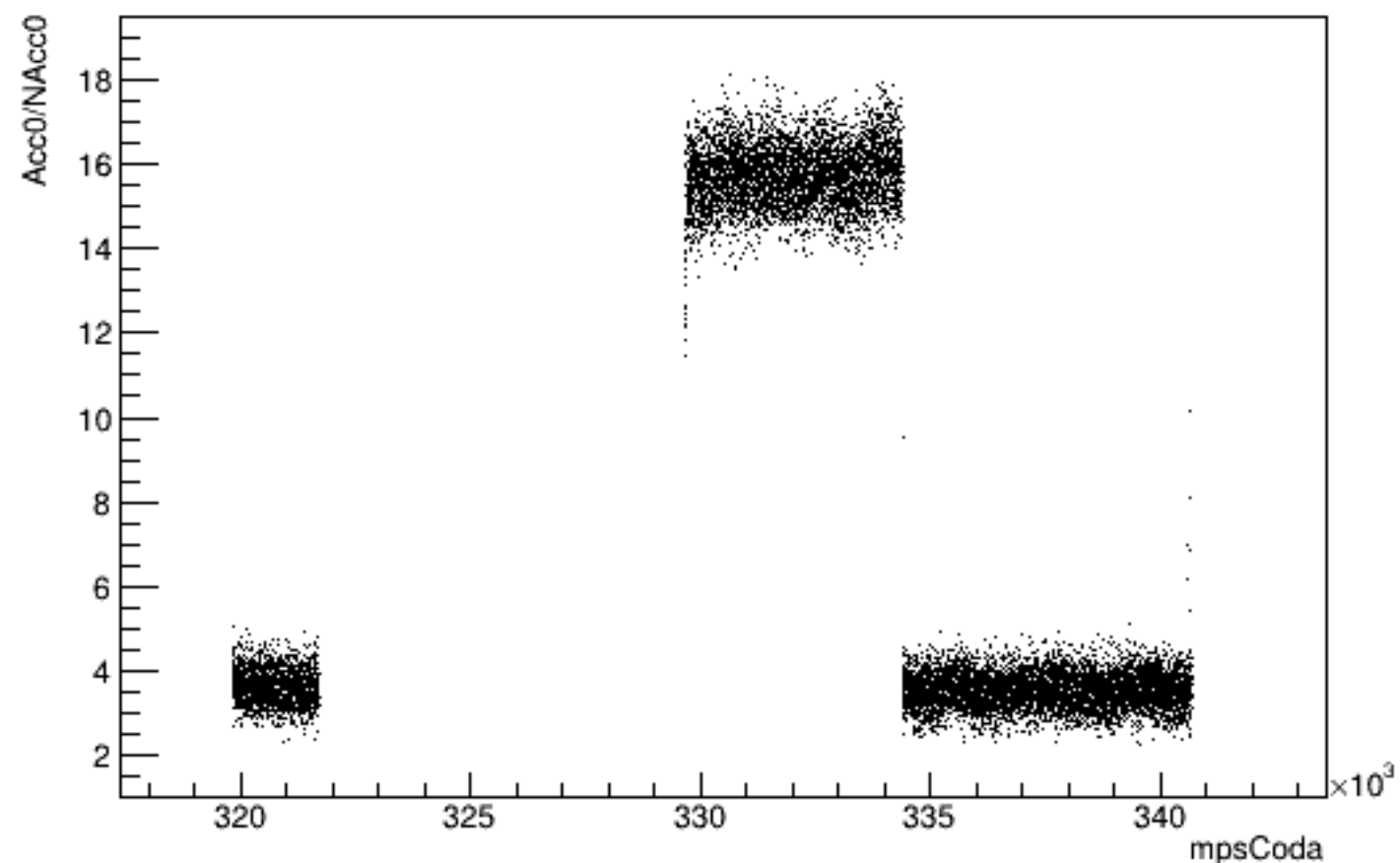
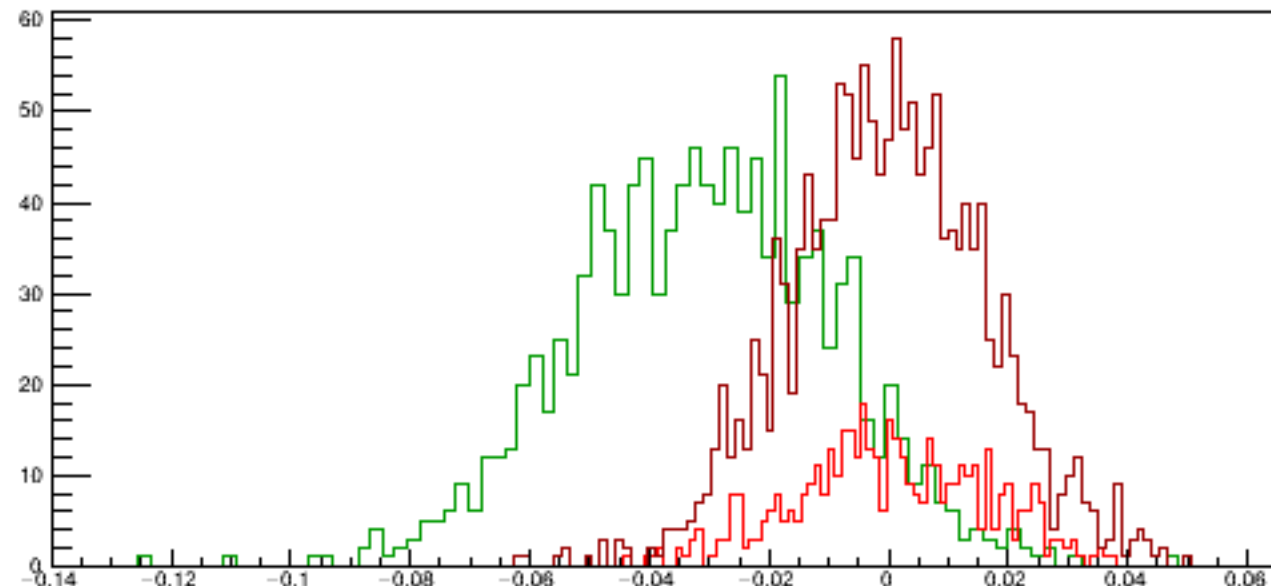


Acc0/NAcc0:mpsCoda (mpsCoda>=319812 && mpsCoda<=340683 && beamState==1)

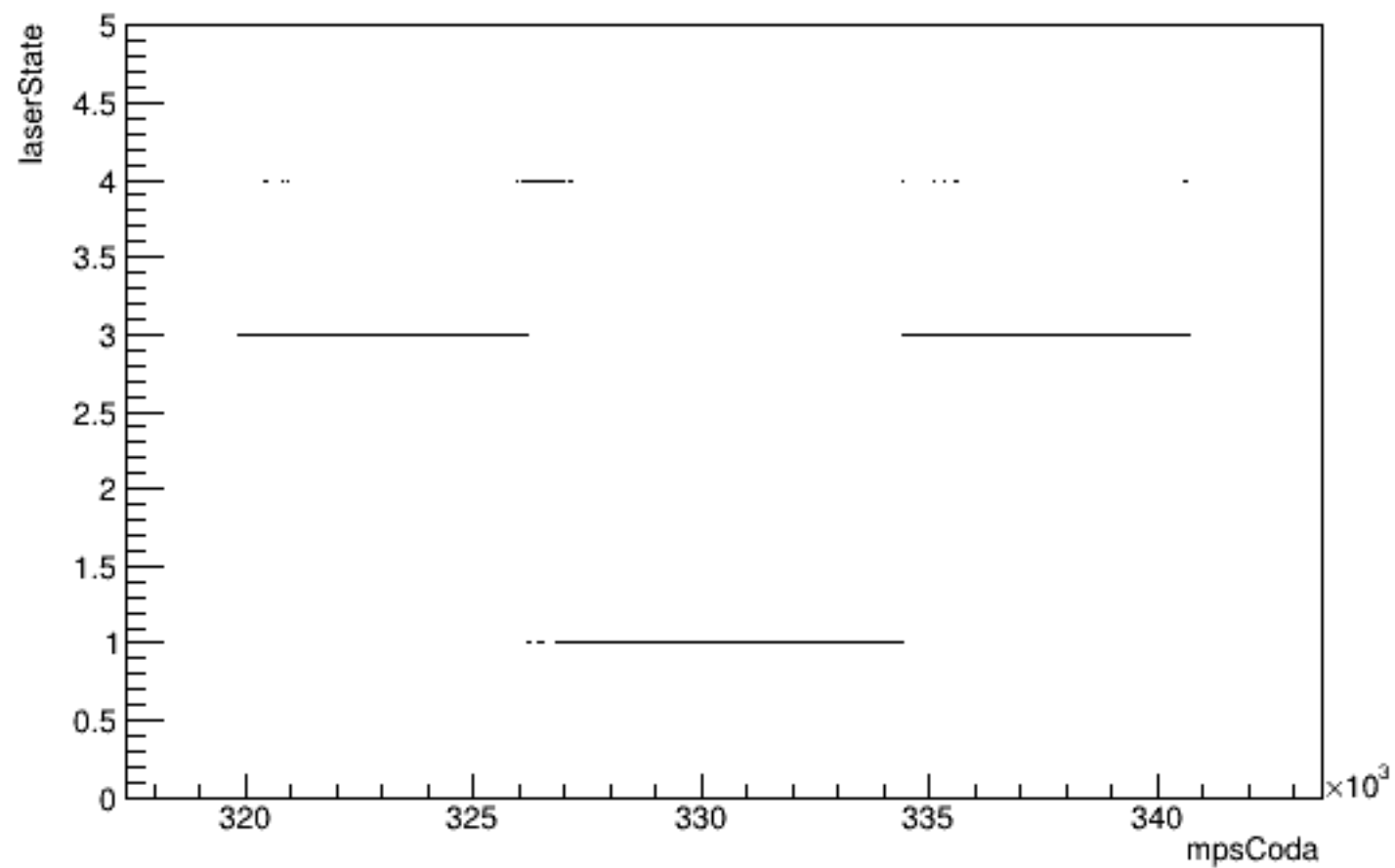
# Cycle 10, Asyms

<b>Entries: 467</b>	<b>Entries: 1180</b>	<b>Entries: 1561</b>
<b>Mean: 0.0001 +/- 0.0007</b>	<b>Mean: -0.0309 +/- 0.0006</b>	<b>Mean: -0.0001 +/- 0.0004</b>
<b>Std Dev: 0.0161 +/- 0.0005</b>	<b>Std Dev: 0.0216 +/- 0.0004</b>	<b>Std Dev: 0.0166 +/- 0.0003</b>

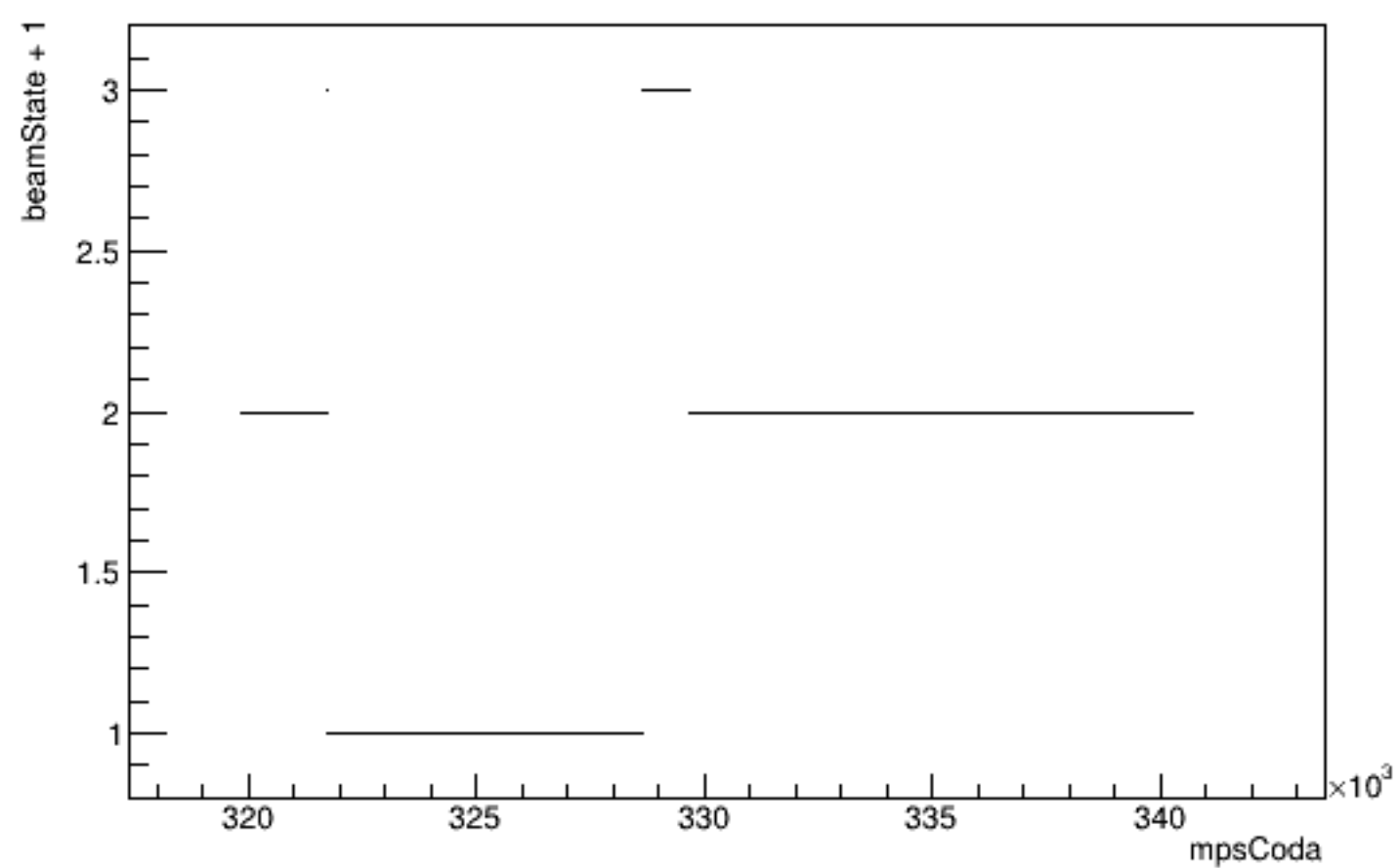
Run 6089 quartetwise, Asyms



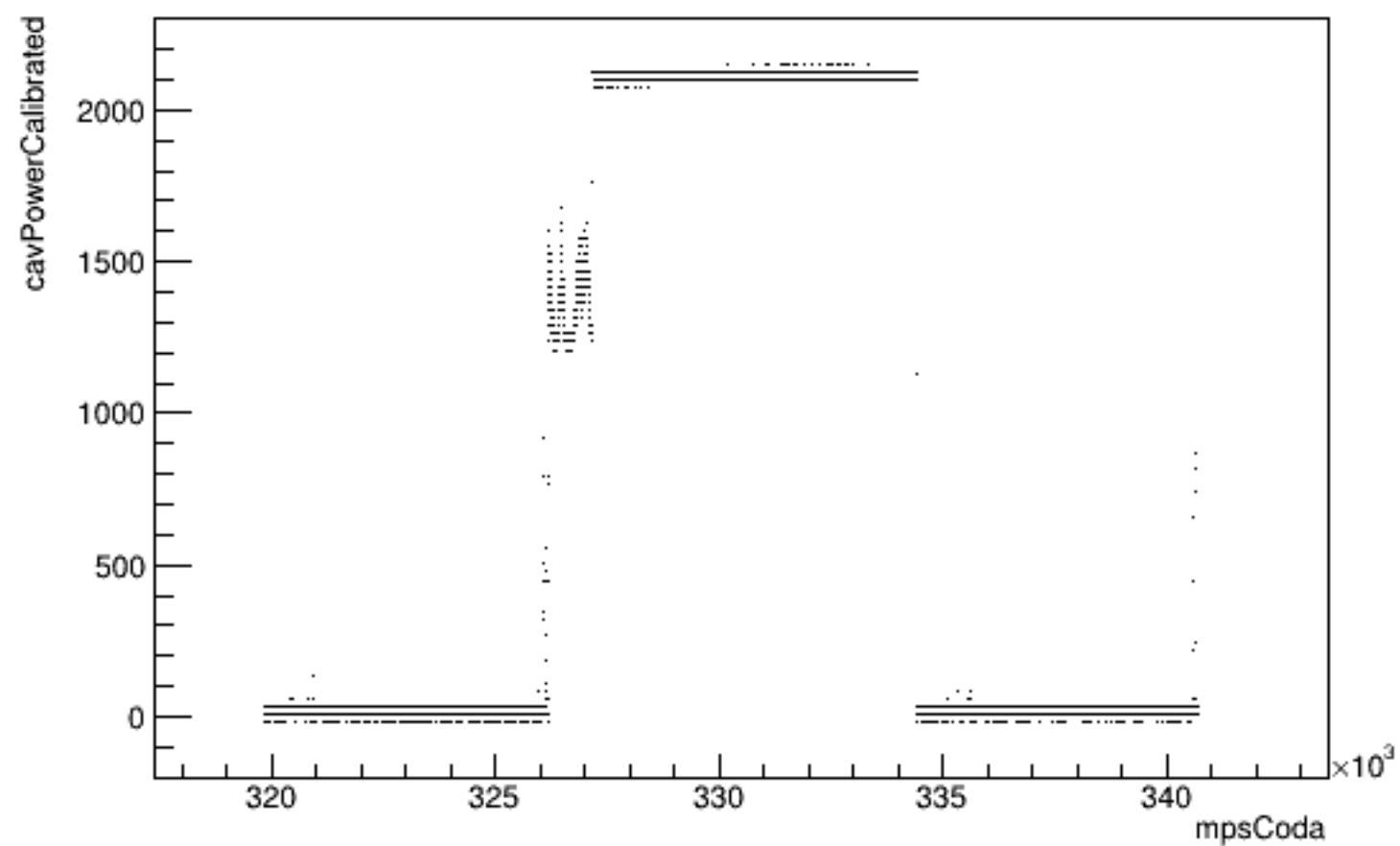
laserState:mpsCoda {mpsCoda&gt;=319812 &amp;&amp; mpsCoda&lt;=340683}



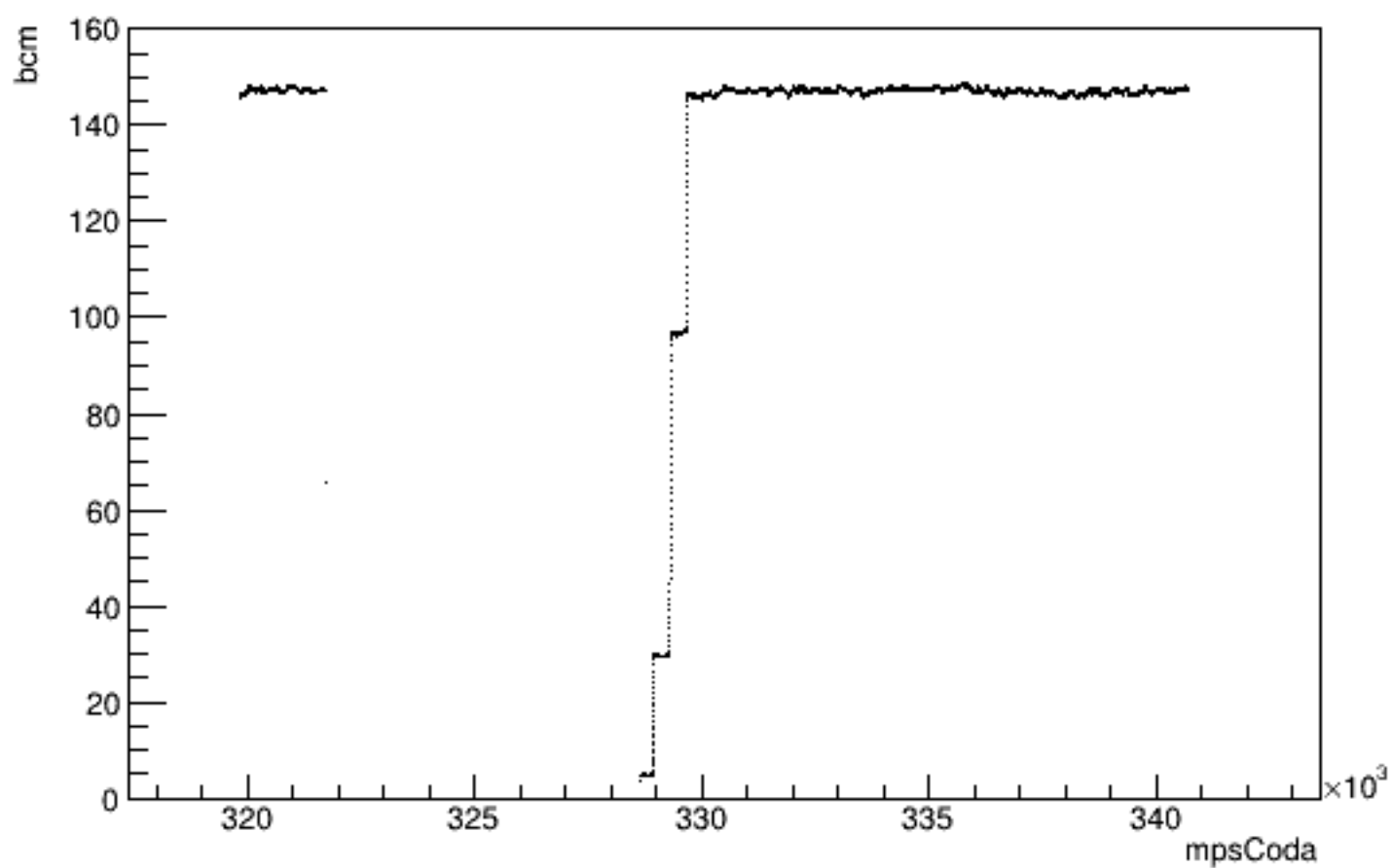
beamState + 1:mpsCoda {mpsCoda&gt;=319812 &amp;&amp; mpsCoda&lt;=340683}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=319812 &amp;&amp; mpsCoda&lt;=340683}



bcm:mpsCoda {mpsCoda&gt;=319812 &amp;&amp; mpsCoda&lt;=340683}



## Cycle 11, Diffs

Entries: 1561

Mean: -0.0026 +/- 0.0102

Std Dev: 0.4030 +/- 0.0072

Entries: 1800

Mean: -0.7693 +/- 0.0128

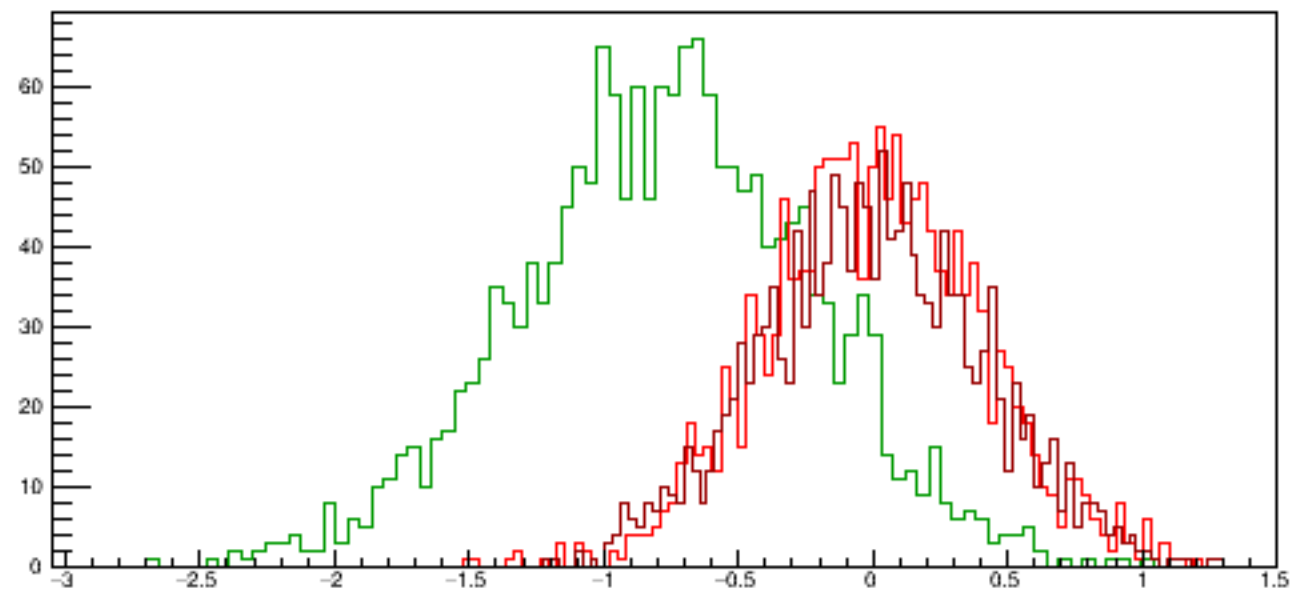
Std Dev: 0.5448 +/- 0.0091

Entries: 1565

Mean: -0.0056 +/- 0.0104

Std Dev: 0.4106 +/- 0.0073

Run 6089 quartetwise, Diffs



## Cycle 11, Sums

Entries: 1561

Mean: 7.0322 +/- 0.0107

Std Dev: 0.4231 +/- 0.0076

Entries: 1800

Mean: 31.4581 +/- 0.0148

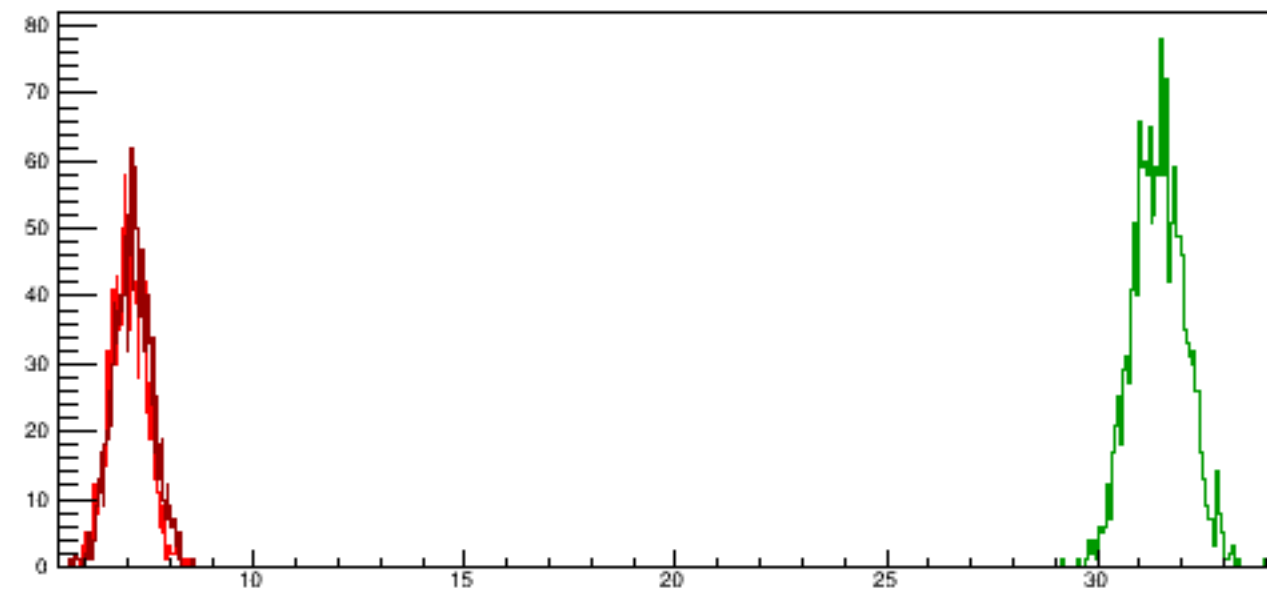
Std Dev: 0.6280 +/- 0.0105

Entries: 1565

Mean: 7.1168 +/- 0.0112

Std Dev: 0.4425 +/- 0.0079

Run 6089 quartetwise, Sums



## Cycle 11, Asyms

Entries: 1561

Mean: -0.0001 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

Entries: 1800

Mean: -0.0315 +/- 0.0005

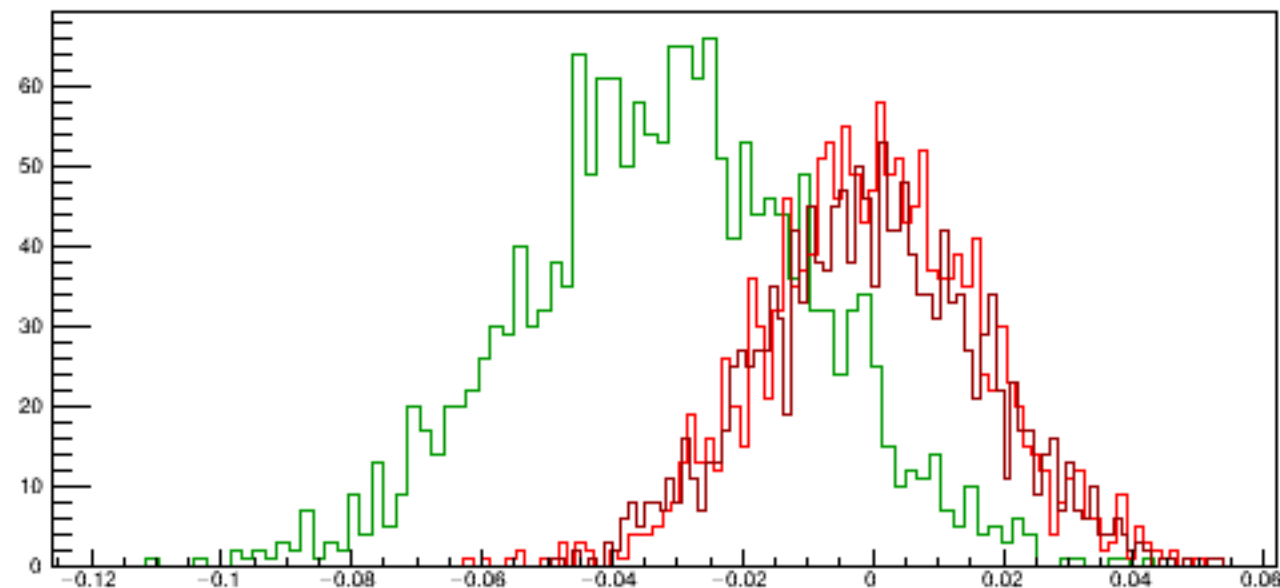
Std Dev: 0.0223 +/- 0.0004

Entries: 1565

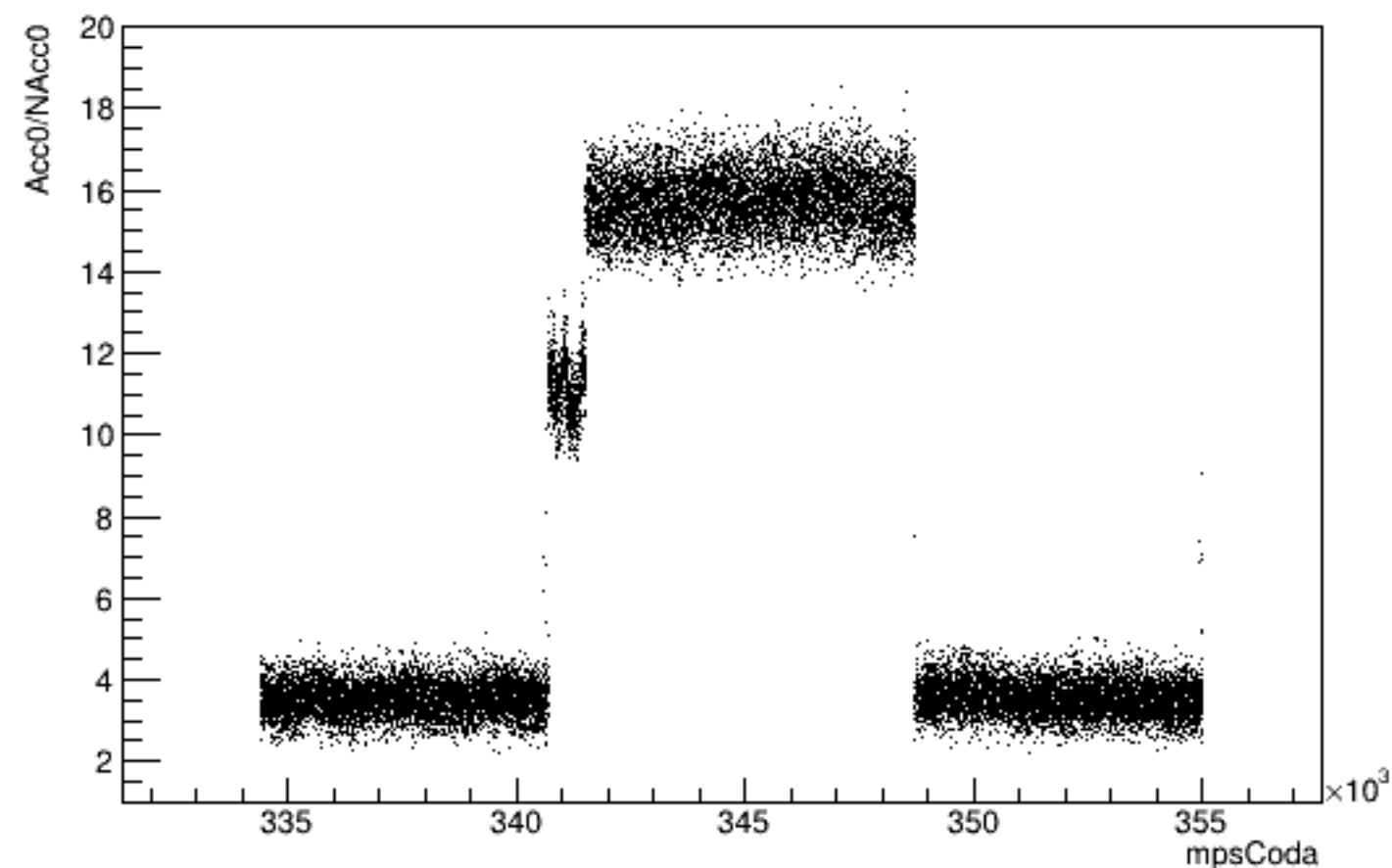
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

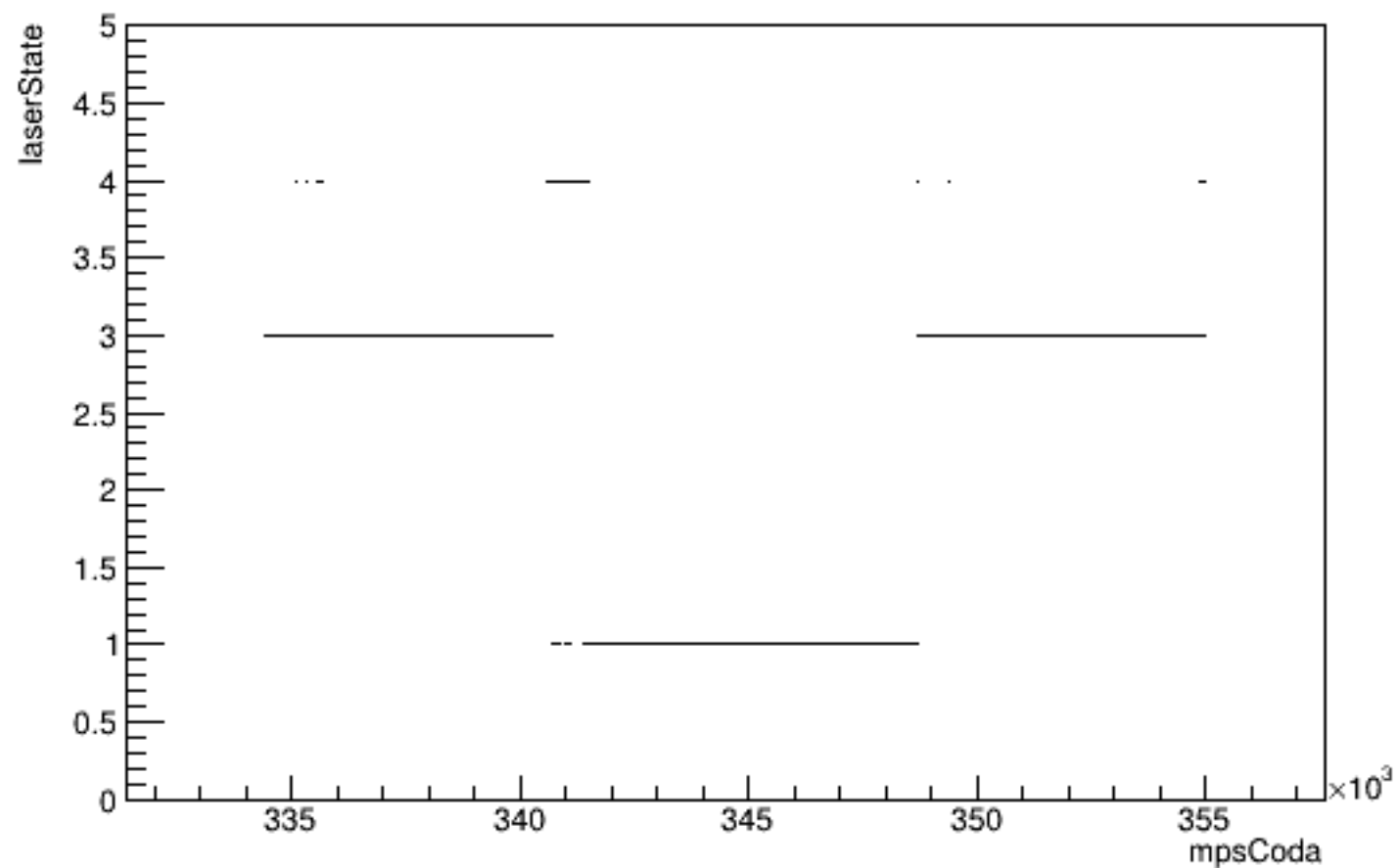
Run 6089 quartetwise, Asyms



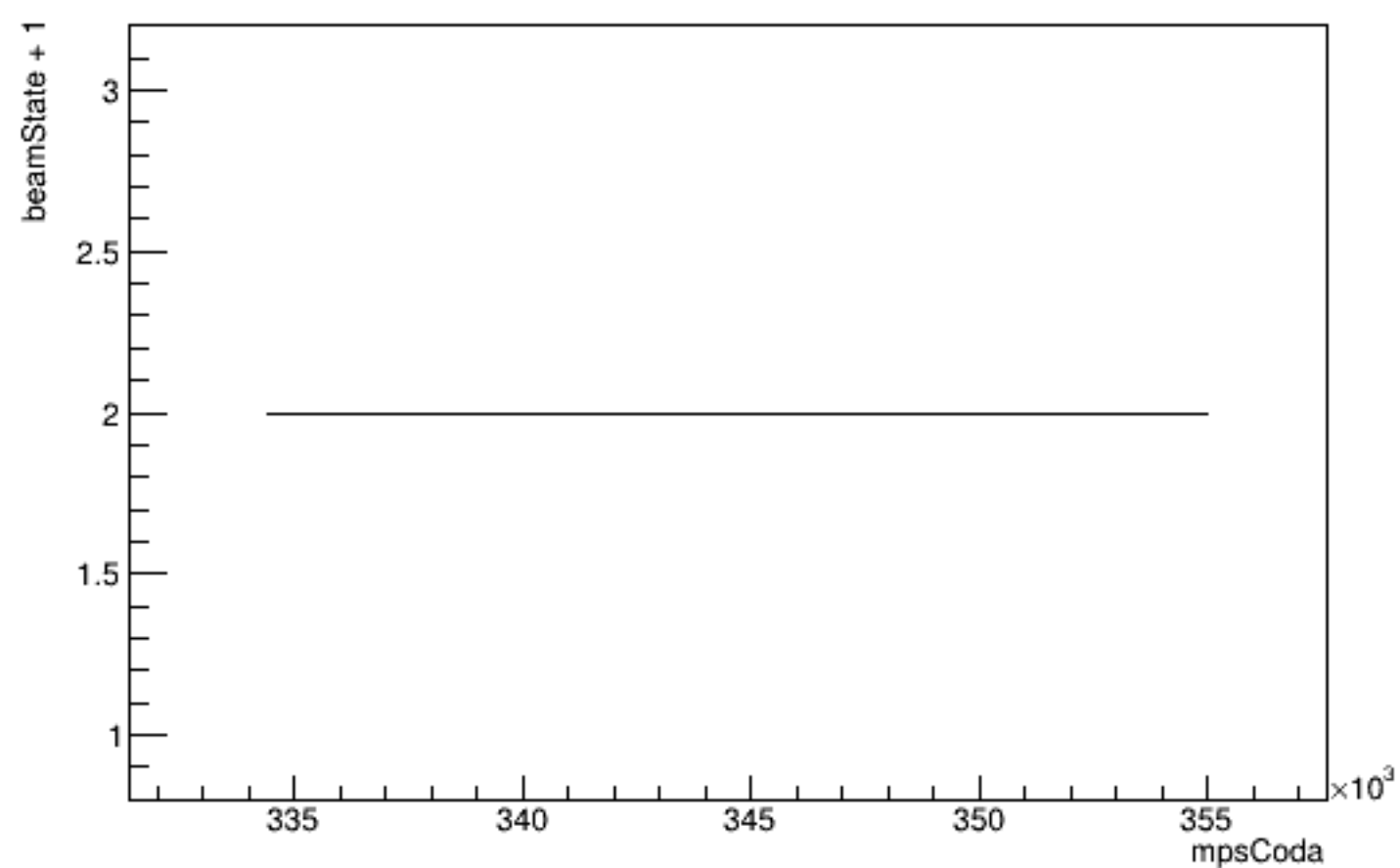
Acc0/NAcc0:mpsCoda (mpsCoda>=334396 && mpsCoda<=355007 && beamState==1)



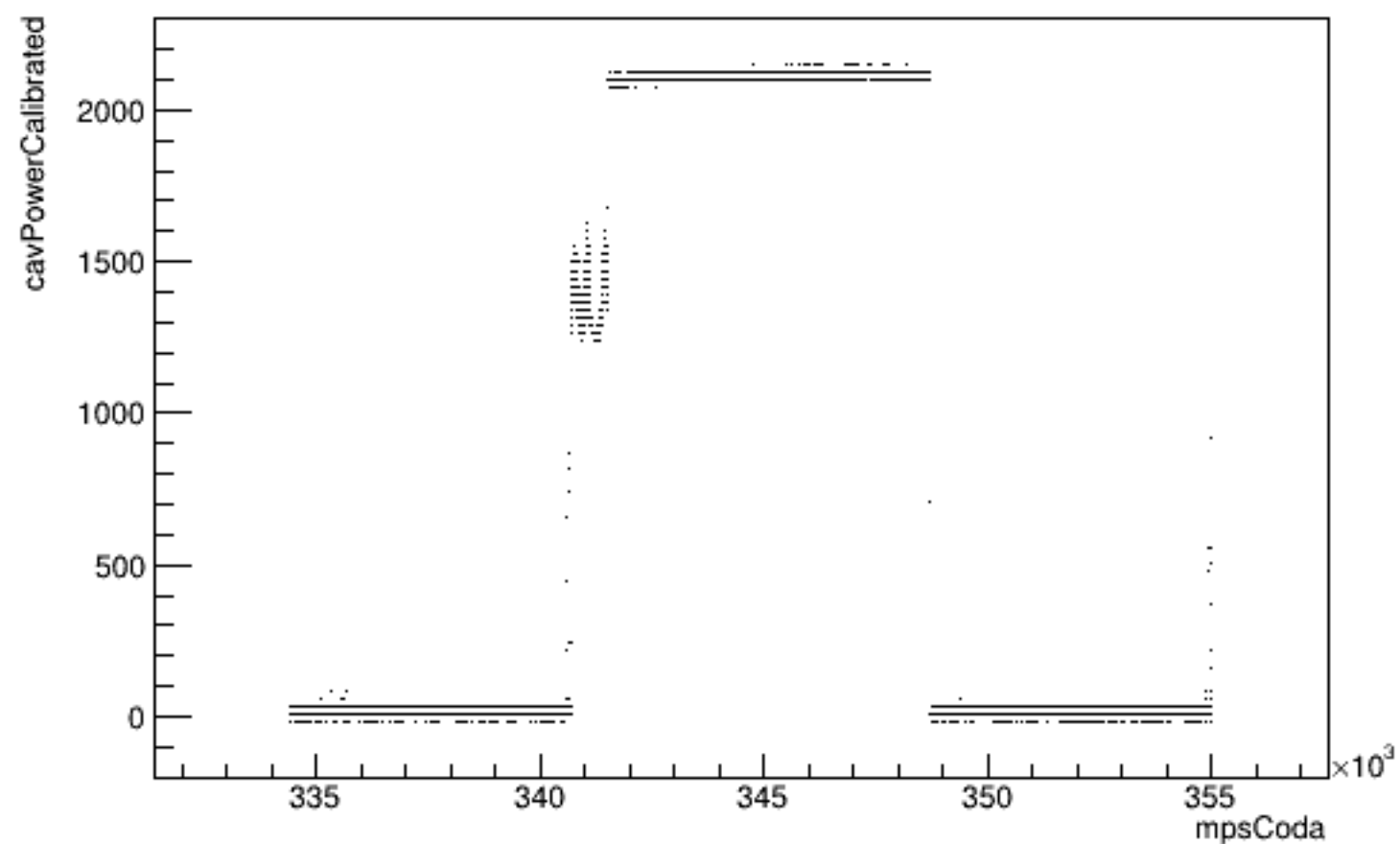
laserState:mpsCoda {mpsCoda&gt;=334396 &amp;&amp; mpsCoda&lt;=355007}



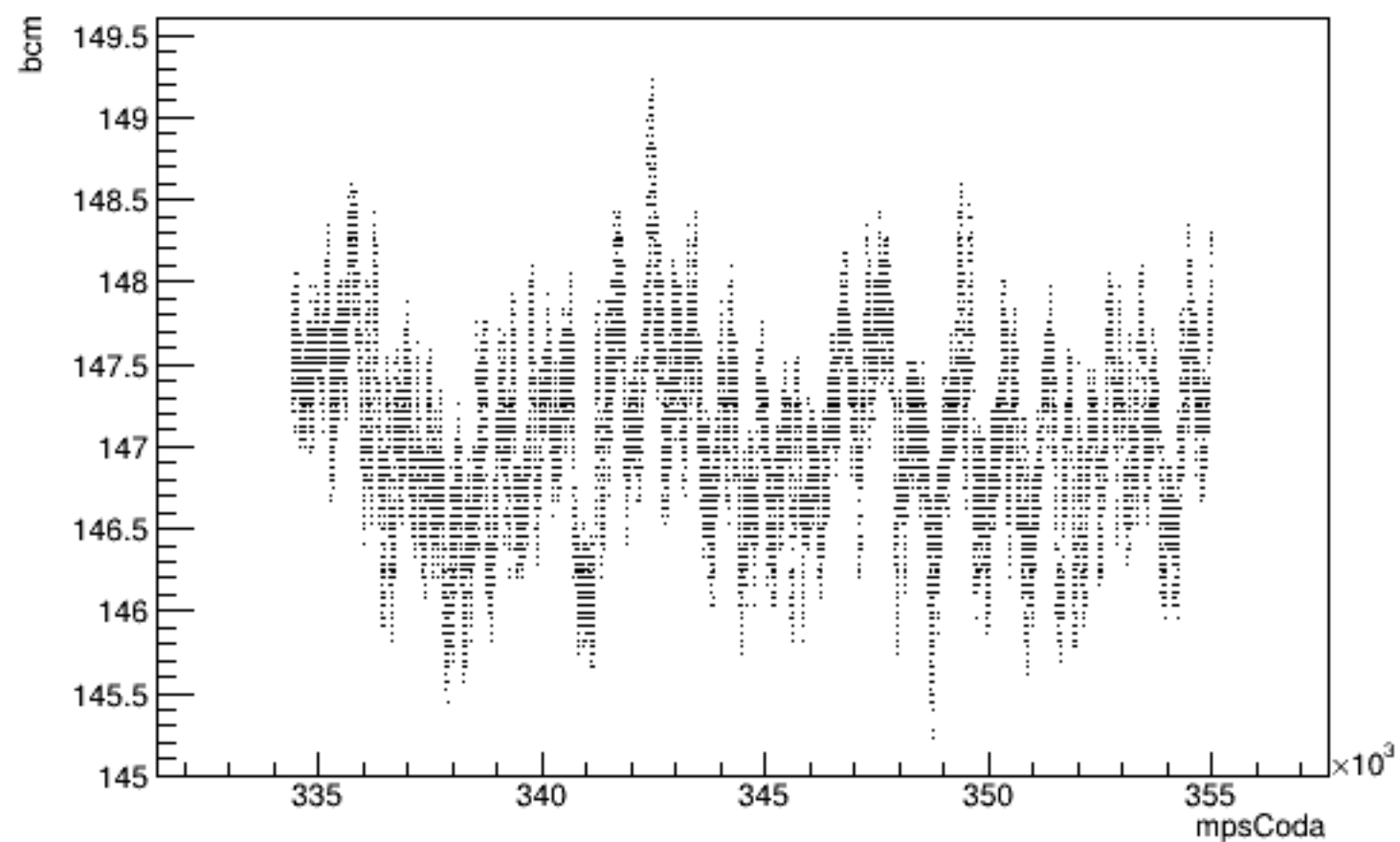
beamState + 1:mpsCoda {mpsCoda&gt;=334396 &amp;&amp; mpsCoda&lt;=355007}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=334396 &amp;&amp; mpsCoda&lt;=355007}



bcm:mpsCoda {mpsCoda&gt;=334396 &amp;&amp; mpsCoda&lt;=355007}



## Cycle 12, Diffs

Entries: 1565

Mean: -0.0056 +/- 0.0104

Std Dev: 0.4106 +/- 0.0073

Entries: 1121

Mean: -0.7200 +/- 0.0162

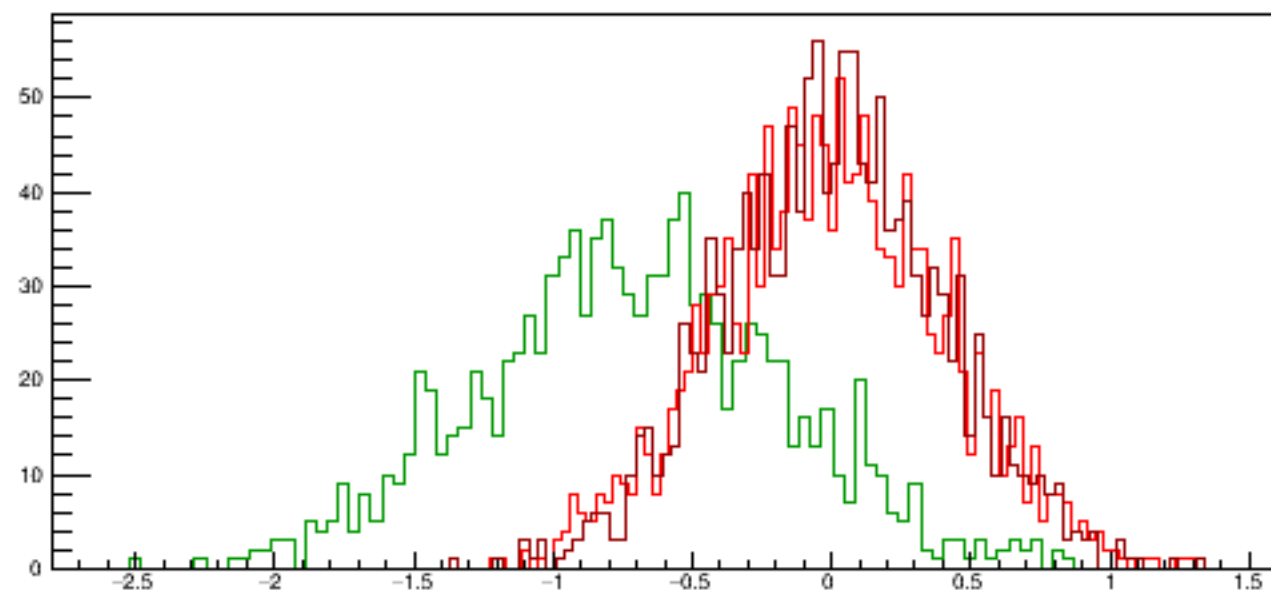
Std Dev: 0.5438 +/- 0.0115

Entries: 1444

Mean: 0.0013 +/- 0.0103

Std Dev: 0.3926 +/- 0.0073

Run 6089 quartetwise, Diffs



## Cycle 12, Sums

Entries: 1565

Mean: 7.1168 +/- 0.0112

Std Dev: 0.4425 +/- 0.0079

Entries: 1121

Mean: 31.2073 +/- 0.0269

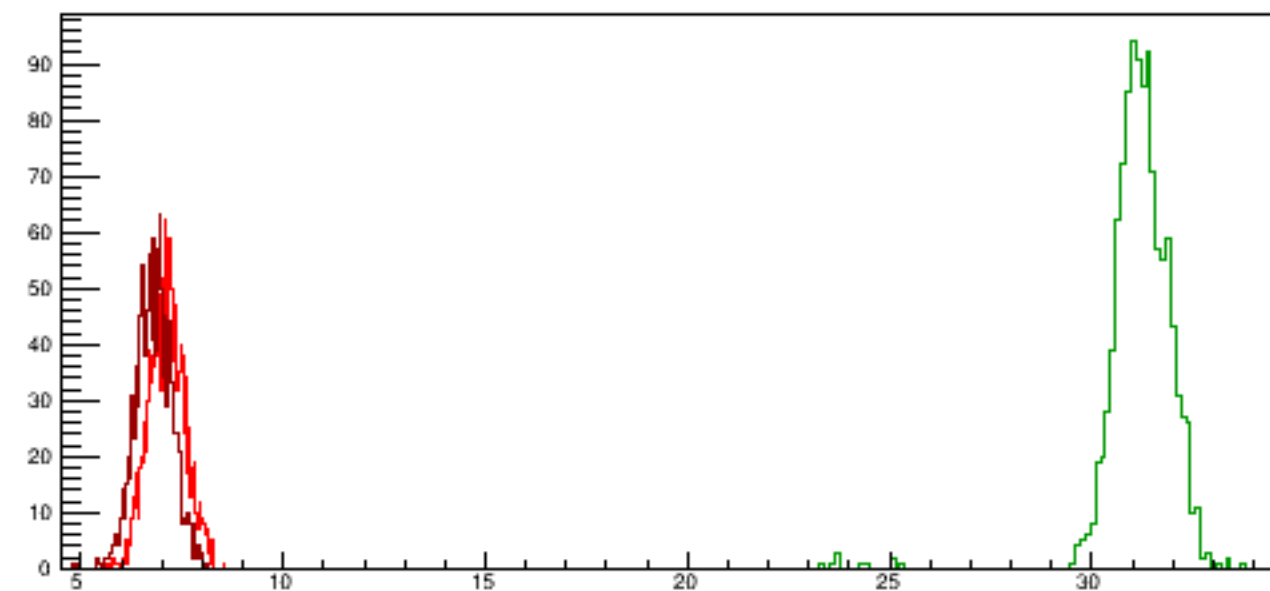
Std Dev: 0.9020 +/- 0.0191

Entries: 1444

Mean: 6.8042 +/- 0.0118

Std Dev: 0.4491 +/- 0.0084

Run 6089 quartetwise, Sums



## Cycle 12, Asyms

Entries: 1565

Mean: -0.0002 +/- 0.0004

Std Dev: 0.0169 +/- 0.0003

Entries: 1121

Mean: -0.0296 +/- 0.0007

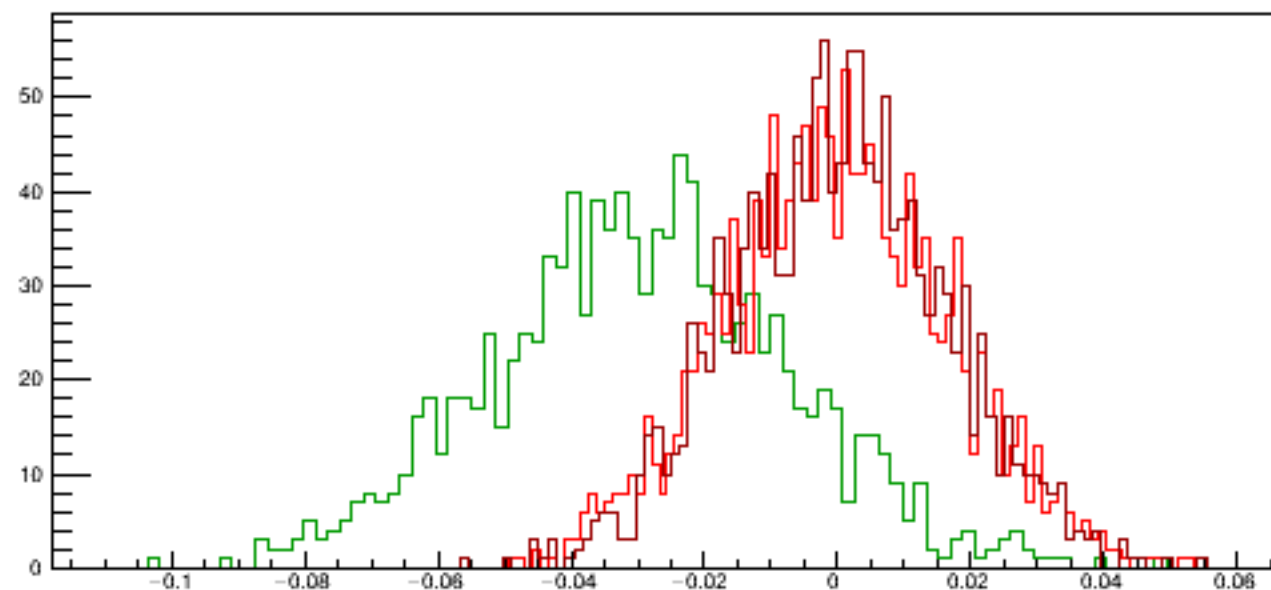
Std Dev: 0.0225 +/- 0.0005

Entries: 1444

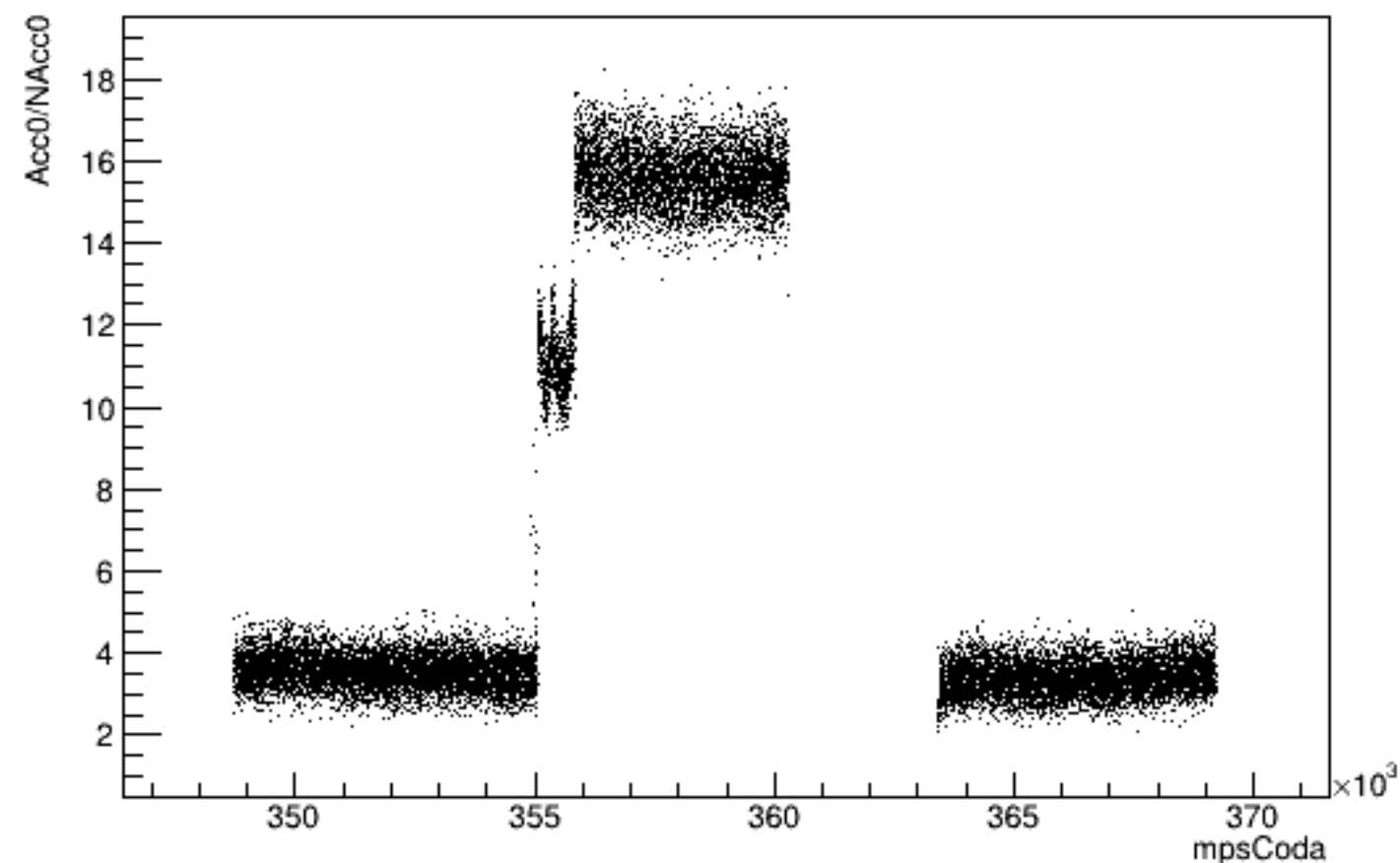
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0162 +/- 0.0003

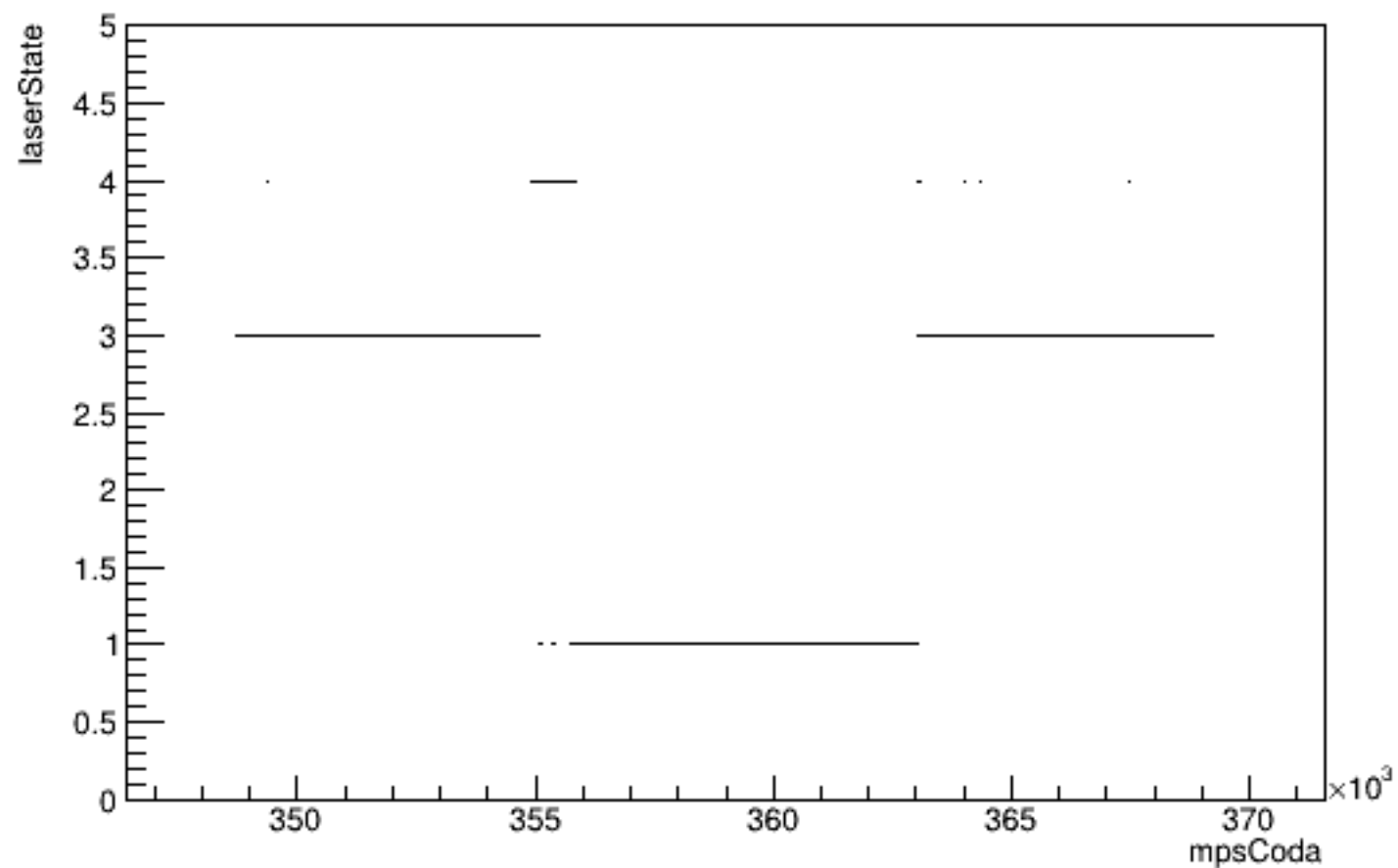
Run 6089 quartetwise, Asyms



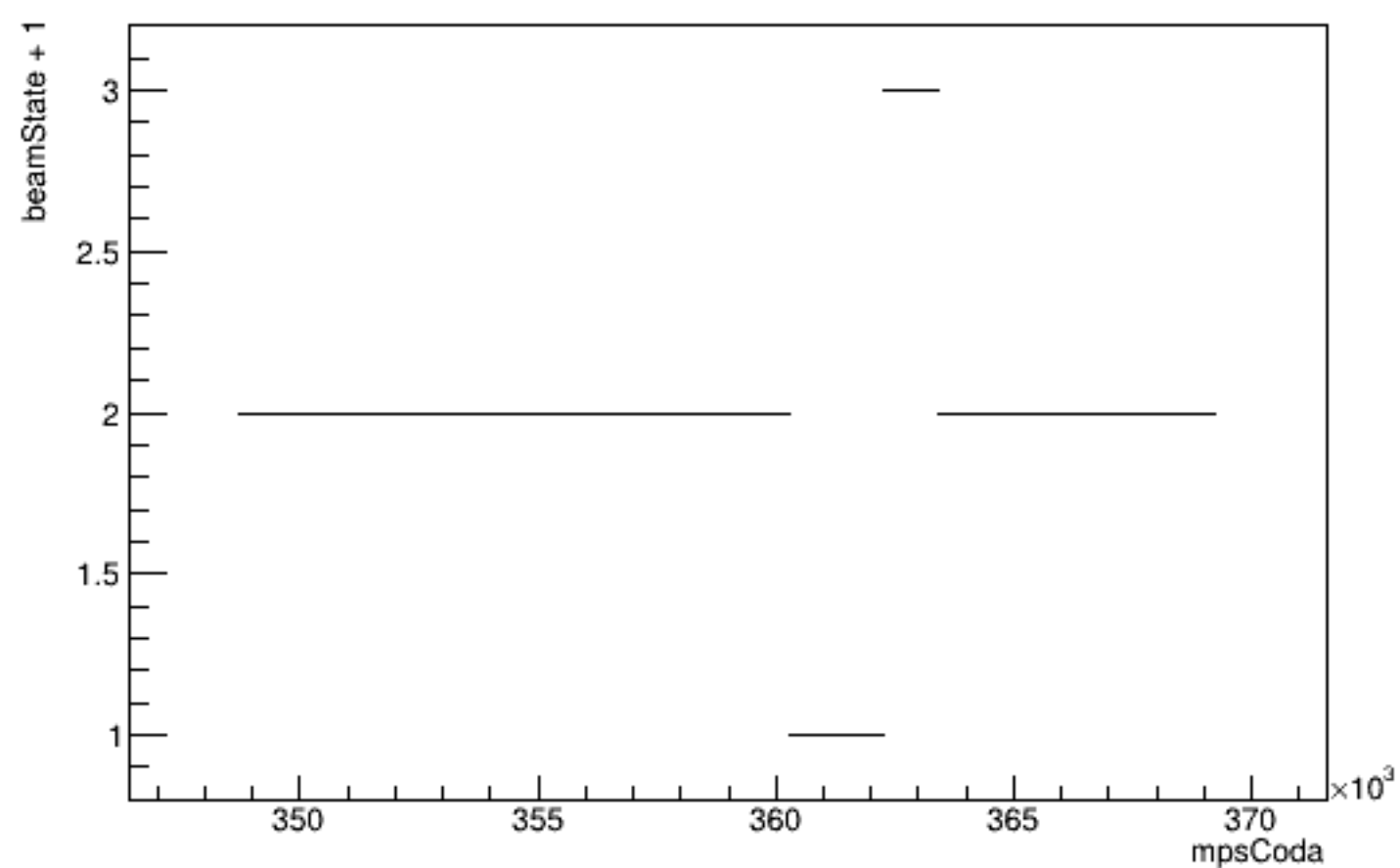
Acc0/NAcc0:mpsCoda (mpsCoda>=348720 && mpsCoda<=369215 && beamState==1)



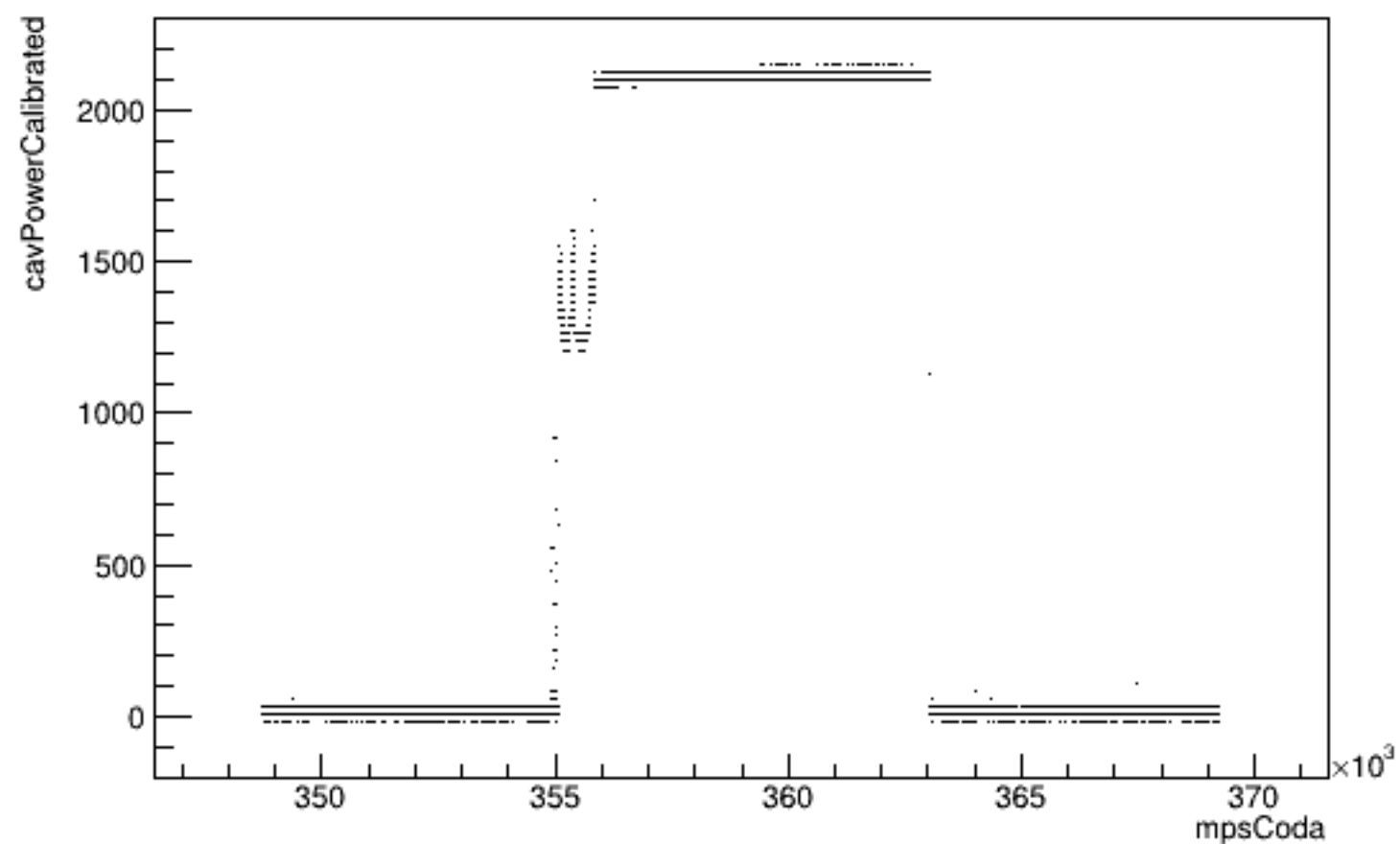
laserState:mpsCoda {mpsCoda&gt;=348720 &amp;&amp; mpsCoda&lt;=369215}



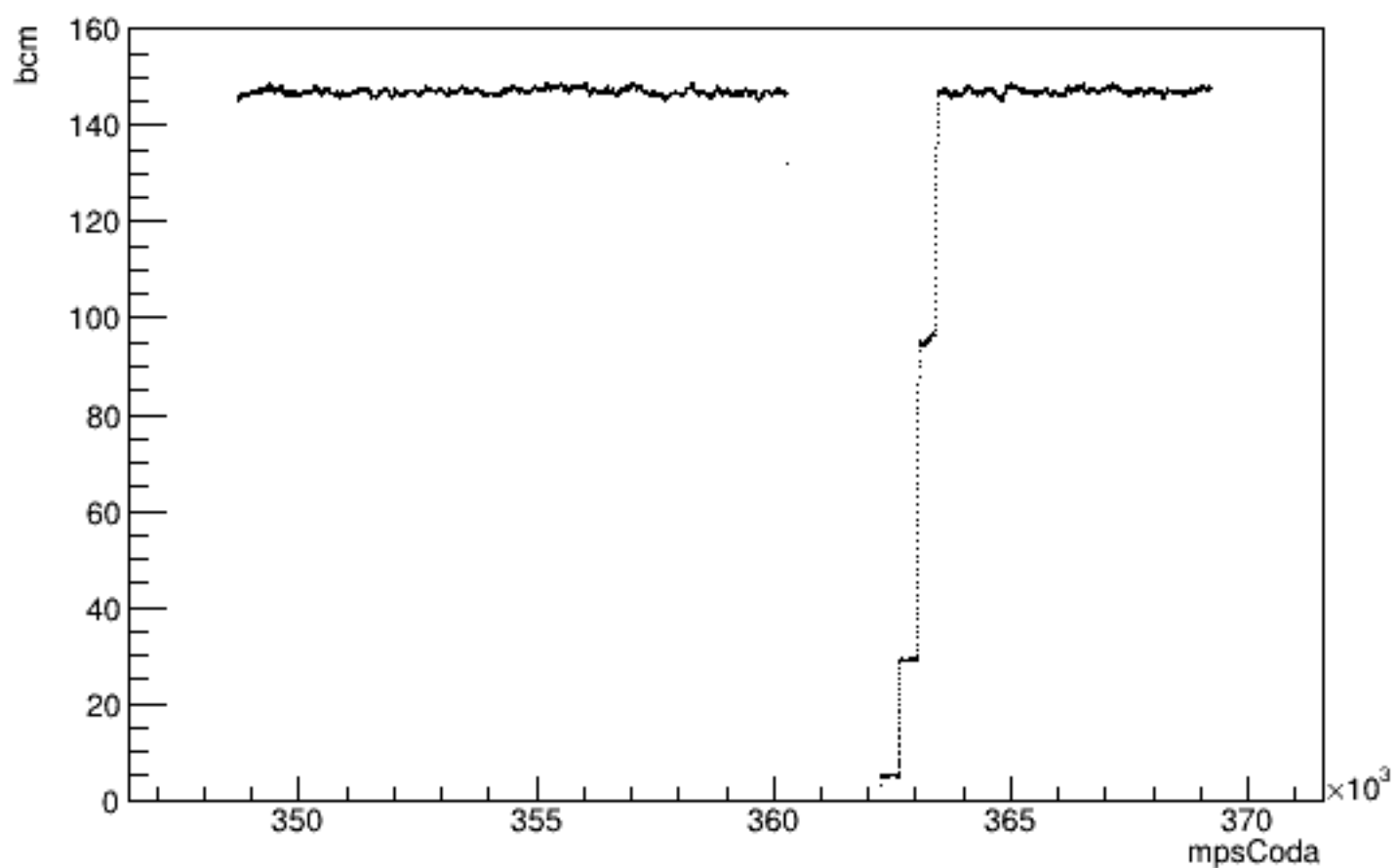
beamState + 1:mpsCoda {mpsCoda&gt;=348720 &amp;&amp; mpsCoda&lt;=369215}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=348720 &amp;&amp; mpsCoda&lt;=369215}



bcm:mpsCoda {mpsCoda&gt;=348720 &amp;&amp; mpsCoda&lt;=369215}

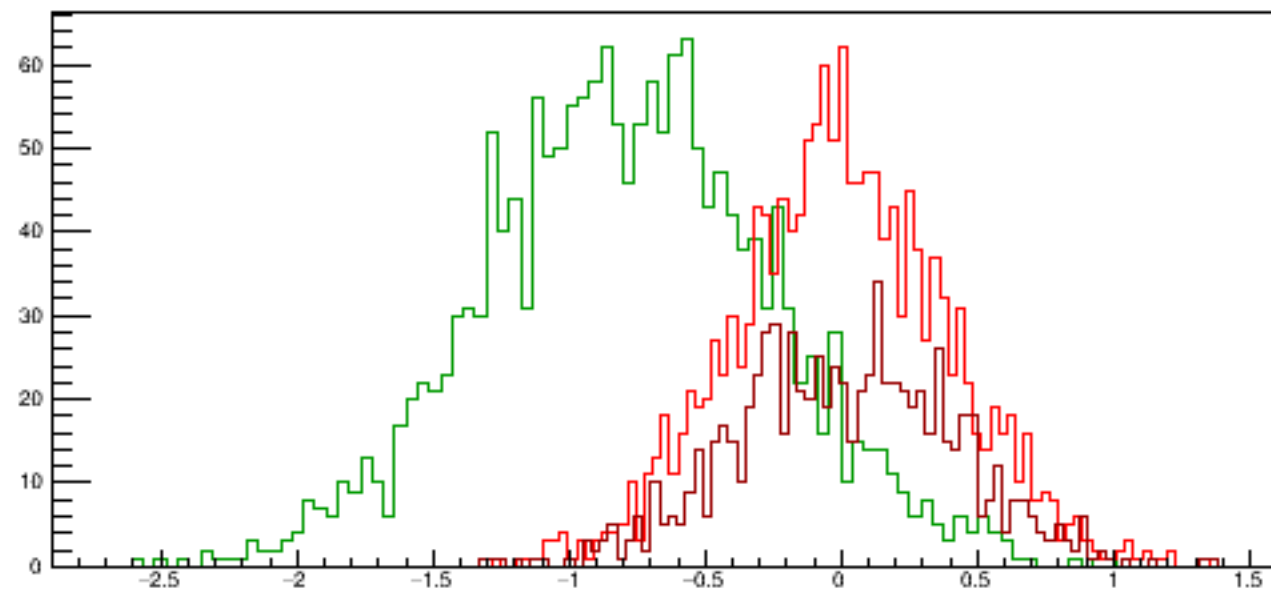




# Cycle 13, Diffs

<b>Entries: 1554</b>	<b>Entries: 1802</b>	<b>Entries: 806</b>
<b>Mean: -0.0021 +/- 0.0101</b>	<b>Mean: -0.7862 +/- 0.0125</b>	<b>Mean: 0.0056 +/- 0.0144</b>
<b>Std Dev: 0.3963 +/- 0.0071</b>	<b>Std Dev: 0.5326 +/- 0.0089</b>	<b>Std Dev: 0.4096 +/- 0.0102</b>

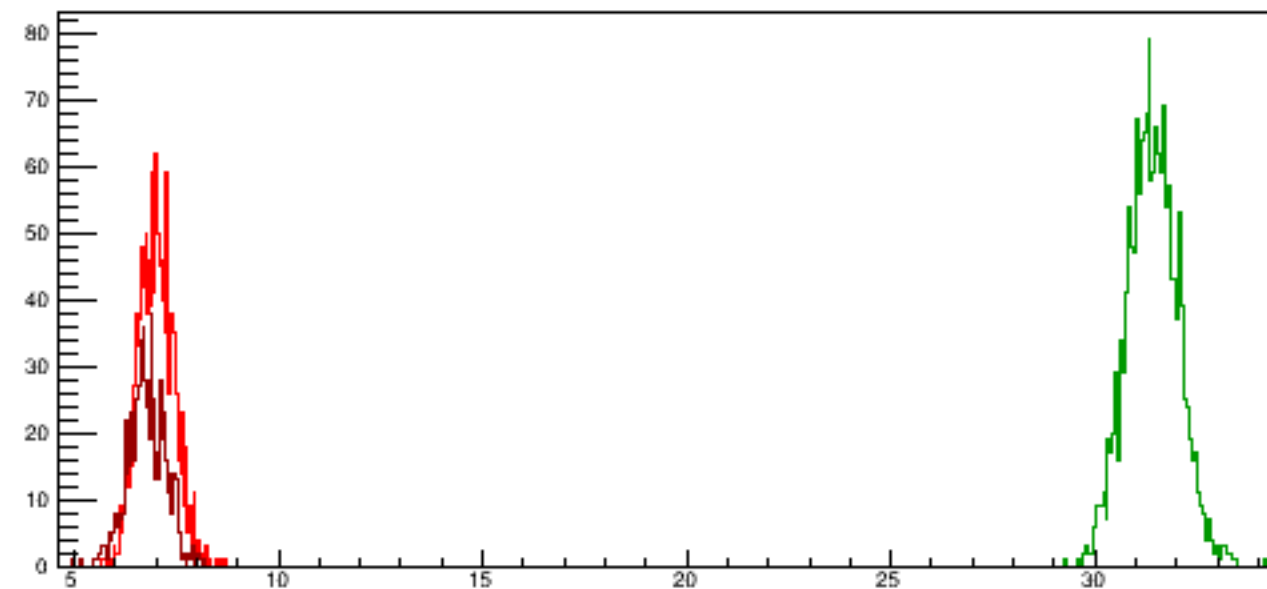
Run 6089 quartetwise, Diffs



# Cycle 13, Sums

<b>Entries: 1554</b>	<b>Entries: 1802</b>	<b>Entries: 806</b>
<b>Mean: 6.9937 +/- 0.0111</b>	<b>Mean: 31.4075 +/- 0.0148</b>	<b>Mean: 6.7718 +/- 0.0162</b>
<b>Std Dev: 0.4365 +/- 0.0078</b>	<b>Std Dev: 0.6269 +/- 0.0104</b>	<b>Std Dev: 0.4610 +/- 0.0115</b>

Run 6089 quartetwise, Sums

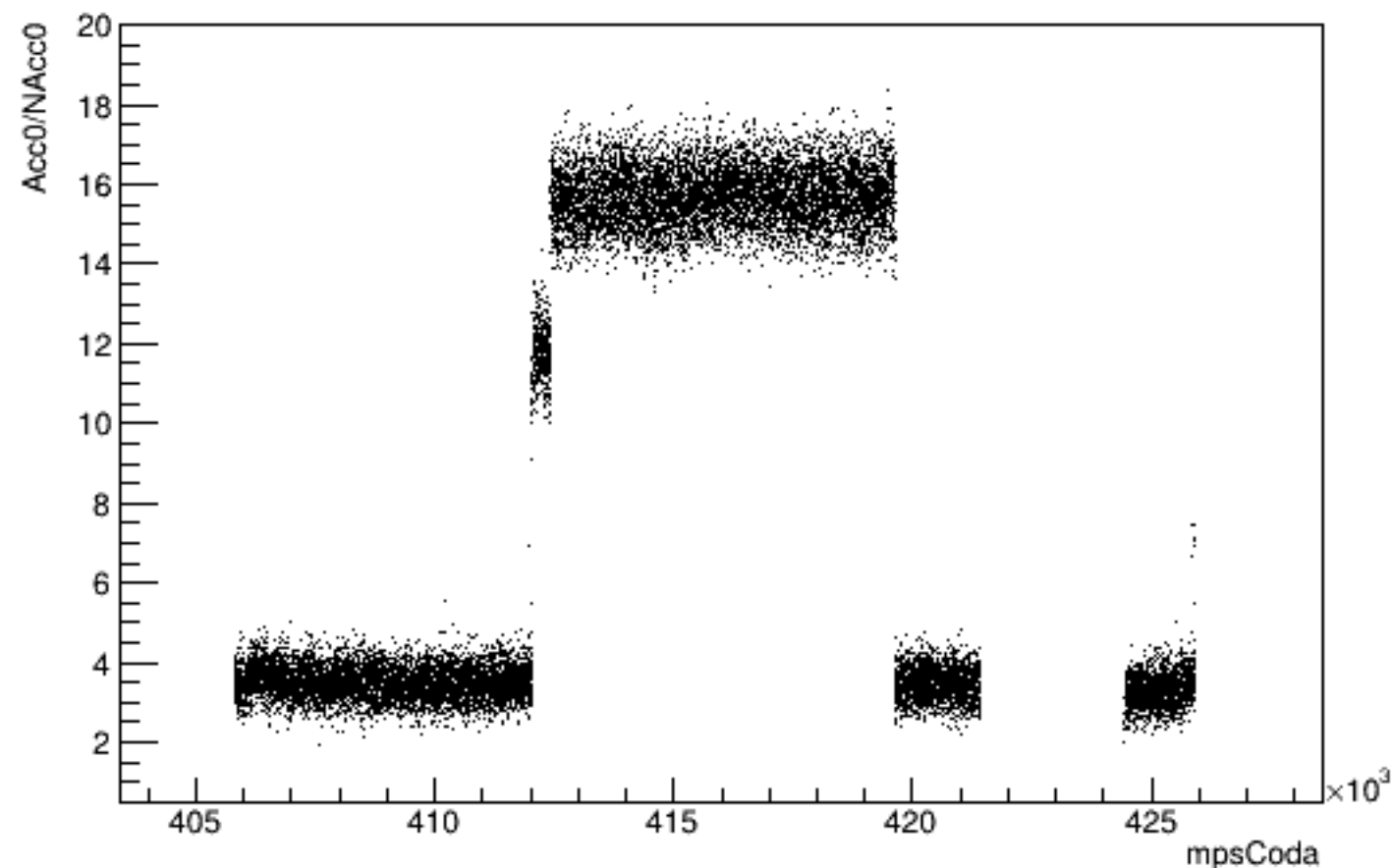
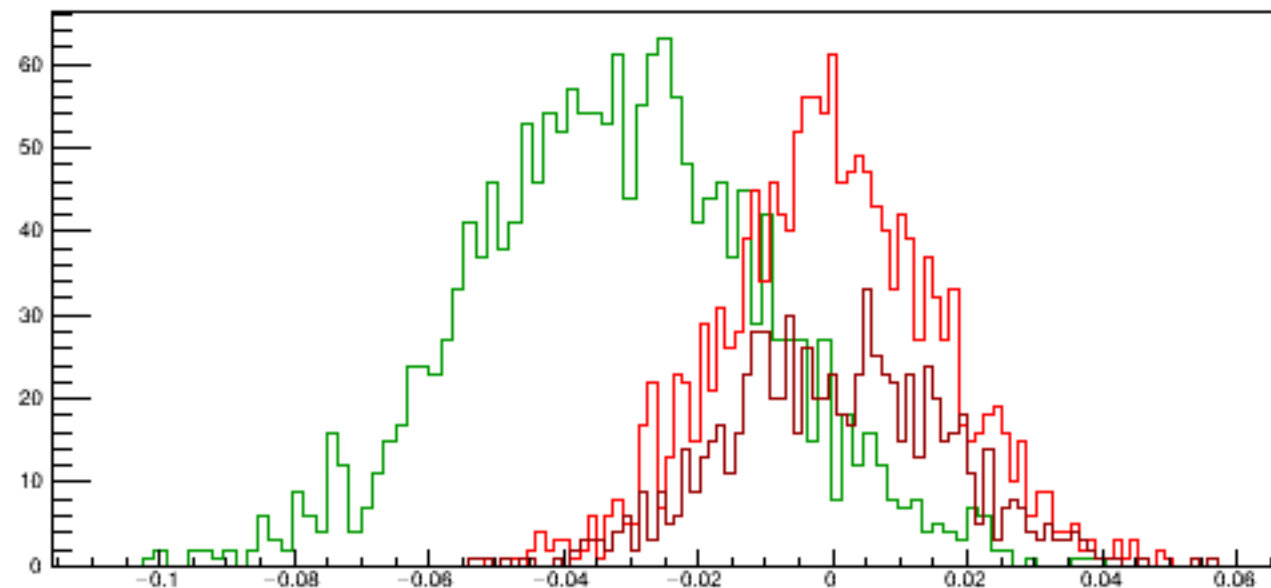


Acc0/NAcc0:mpsCoda (mpsCoda>=405796 && mpsCoda<=425923 && beamState==1)

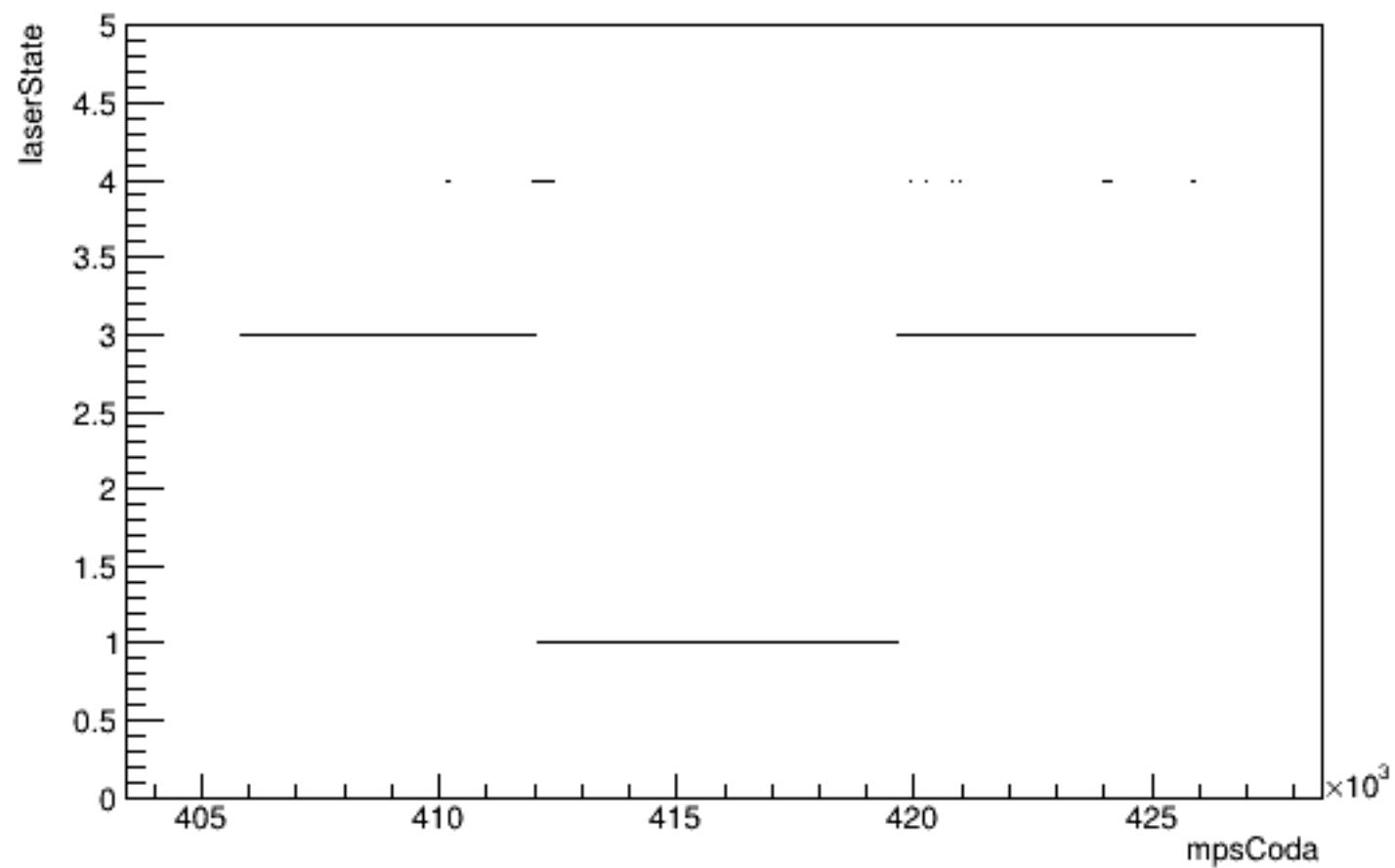
# Cycle 13, Asyms

<b>Entries: 1554</b>	<b>Entries: 1802</b>	<b>Entries: 806</b>
<b>Mean: -0.0001 +/- 0.0004</b>	<b>Mean: -0.0321 +/- 0.0005</b>	<b>Mean: 0.0002 +/- 0.0006</b>
<b>Std Dev: 0.0162 +/- 0.0003</b>	<b>Std Dev: 0.0217 +/- 0.0004</b>	<b>Std Dev: 0.0167 +/- 0.0004</b>

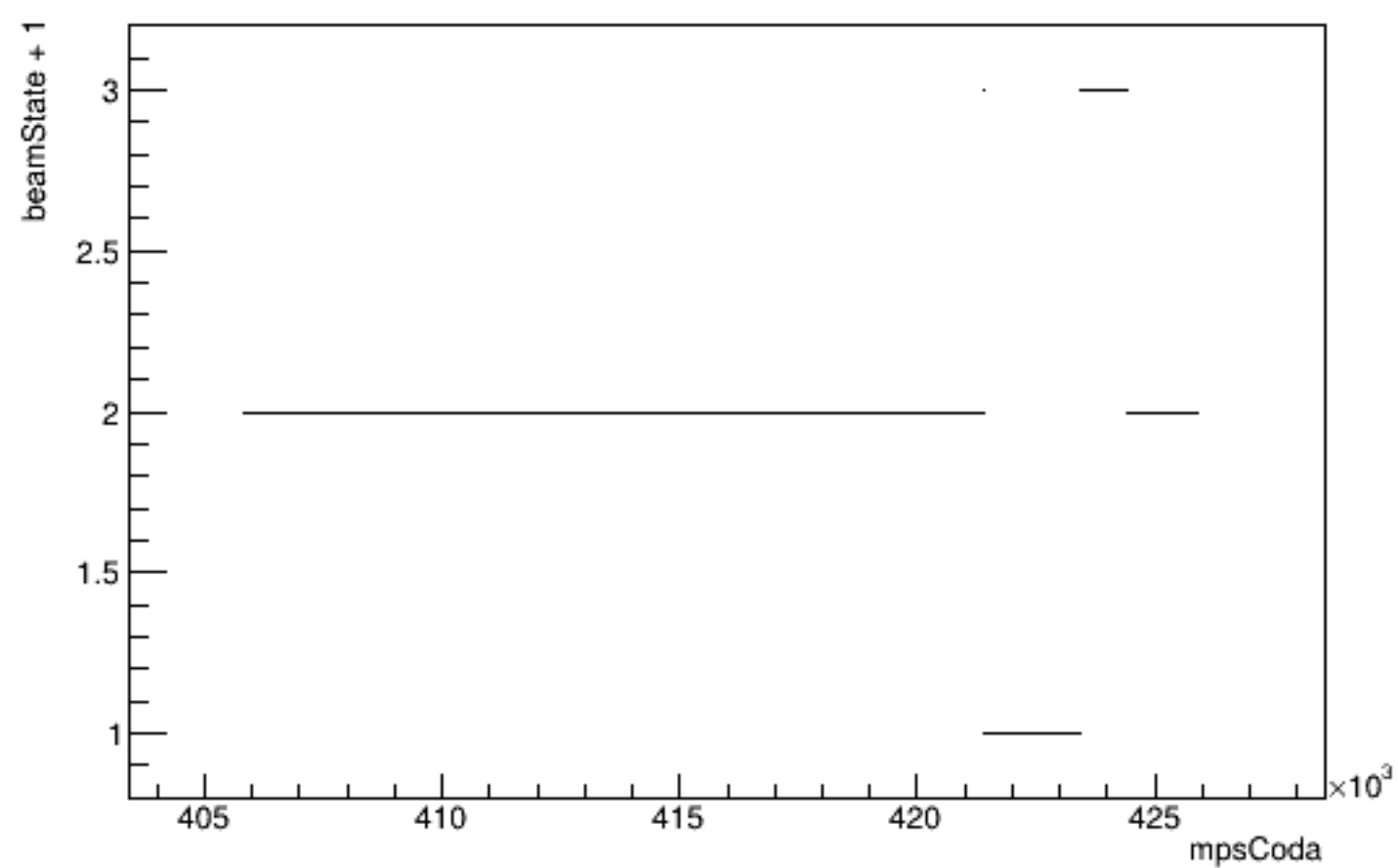
Run 6089 quartetwise, Asyms



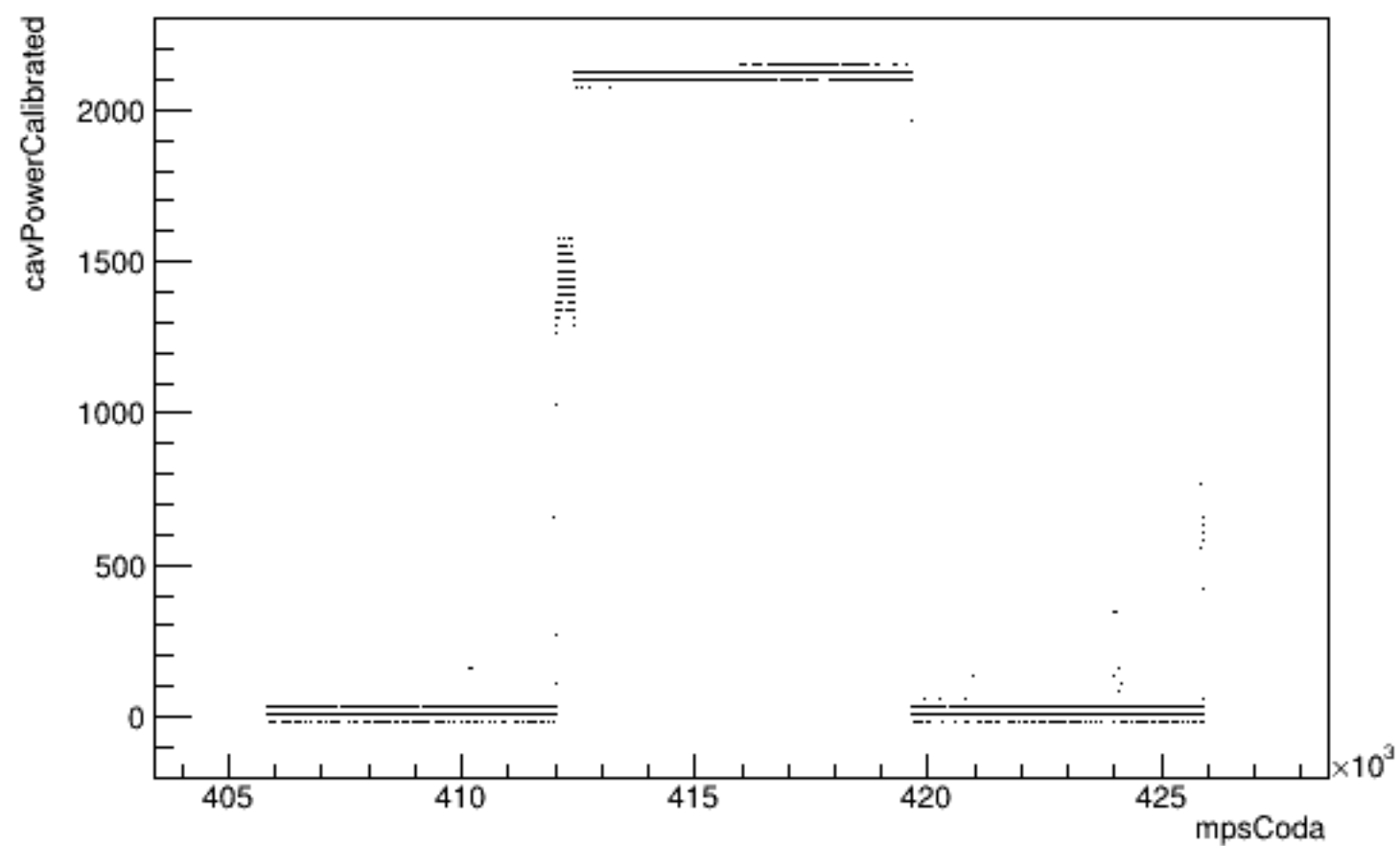
laserState:mpsCoda {mpsCoda&gt;=405796 &amp;&amp; mpsCoda&lt;=425923}



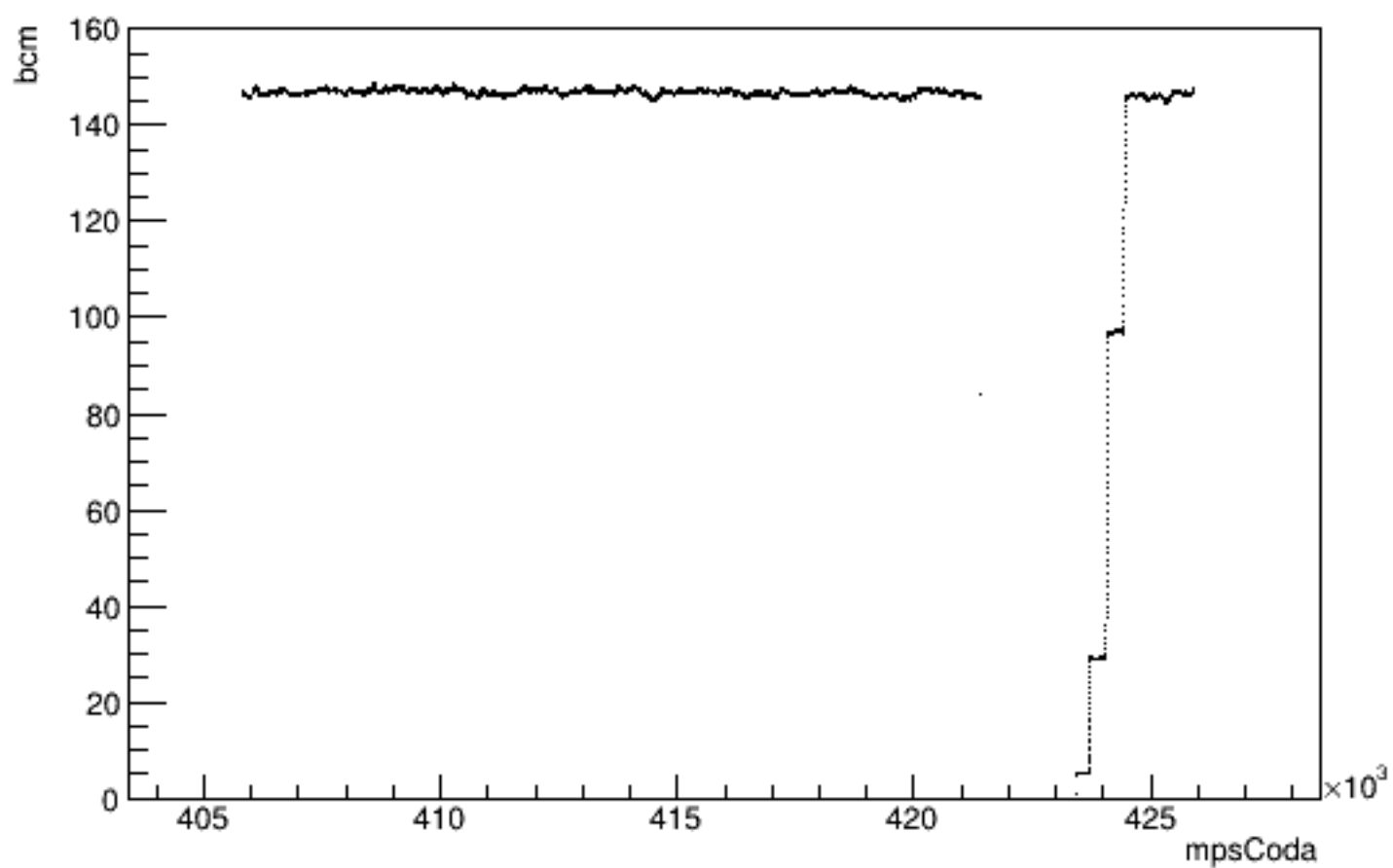
beamState + 1:mpsCoda {mpsCoda&gt;=405796 &amp;&amp; mpsCoda&lt;=425923}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=405796 &amp;&amp; mpsCoda&lt;=425923}



bcm:mpsCoda {mpsCoda&gt;=405796 &amp;&amp; mpsCoda&lt;=425923}



# Cycle 14, Diffs

Entries: 806

Mean: 0.0056 +/- 0.0144

Std Dev: 0.4096 +/- 0.0102

Entries: 1801

Mean: -0.7812 +/- 0.0125

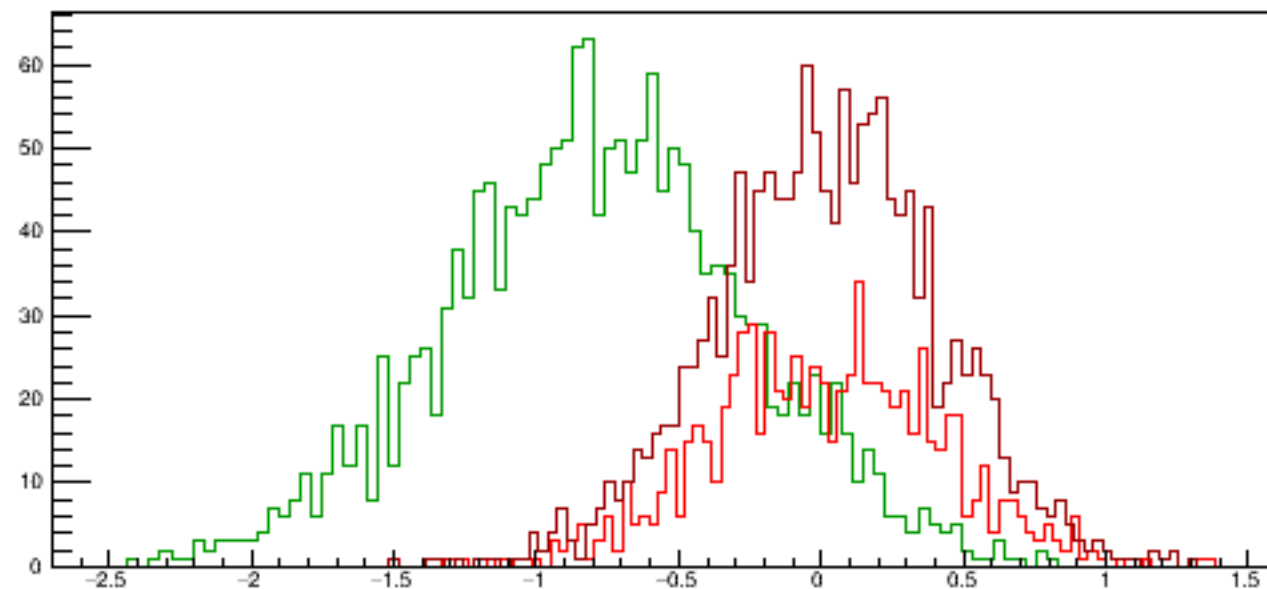
Std Dev: 0.5309 +/- 0.0088

Entries: 1540

Mean: 0.0186 +/- 0.0102

Std Dev: 0.3991 +/- 0.0072

Run 6089 quartetwise, Diffs



# Cycle 14, Sums

Entries: 806

Mean: 6.7718 +/- 0.0162

Std Dev: 0.4610 +/- 0.0115

Entries: 1801

Mean: 31.0810 +/- 0.0154

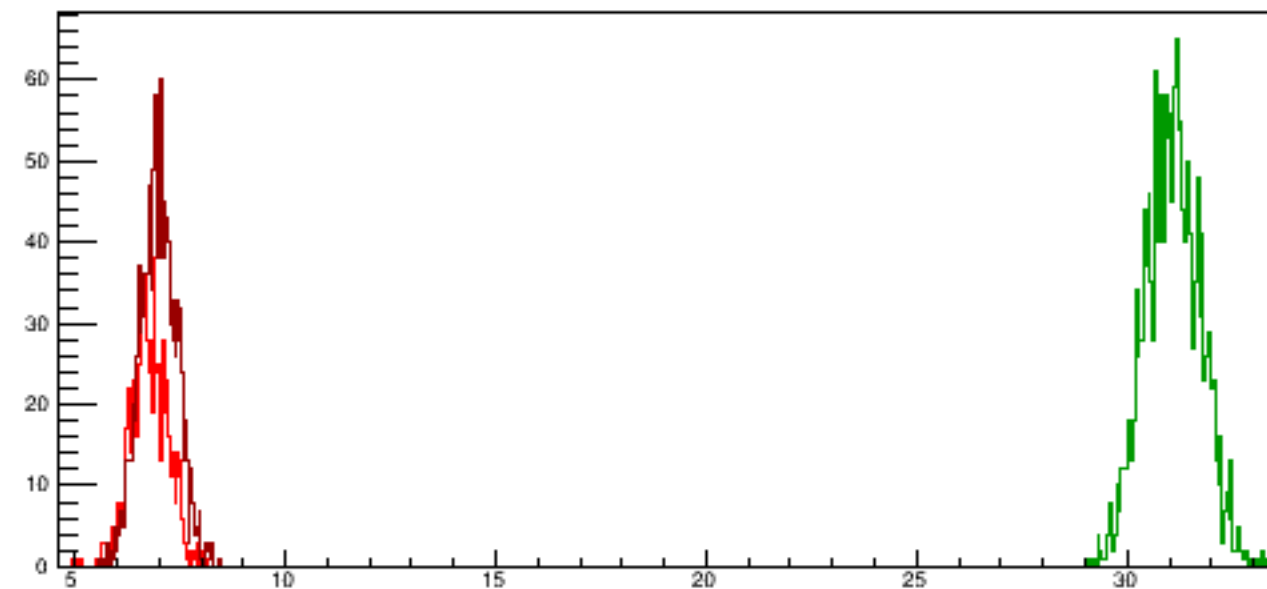
Std Dev: 0.6547 +/- 0.0109

Entries: 1540

Mean: 6.9832 +/- 0.0111

Std Dev: 0.4354 +/- 0.0078

Run 6089 quartetwise, Sums



# Cycle 14, Asyms

Entries: 806

Mean: 0.0002 +/- 0.0006

Std Dev: 0.0169 +/- 0.0004

Entries: 1801

Mean: -0.0323 +/- 0.0005

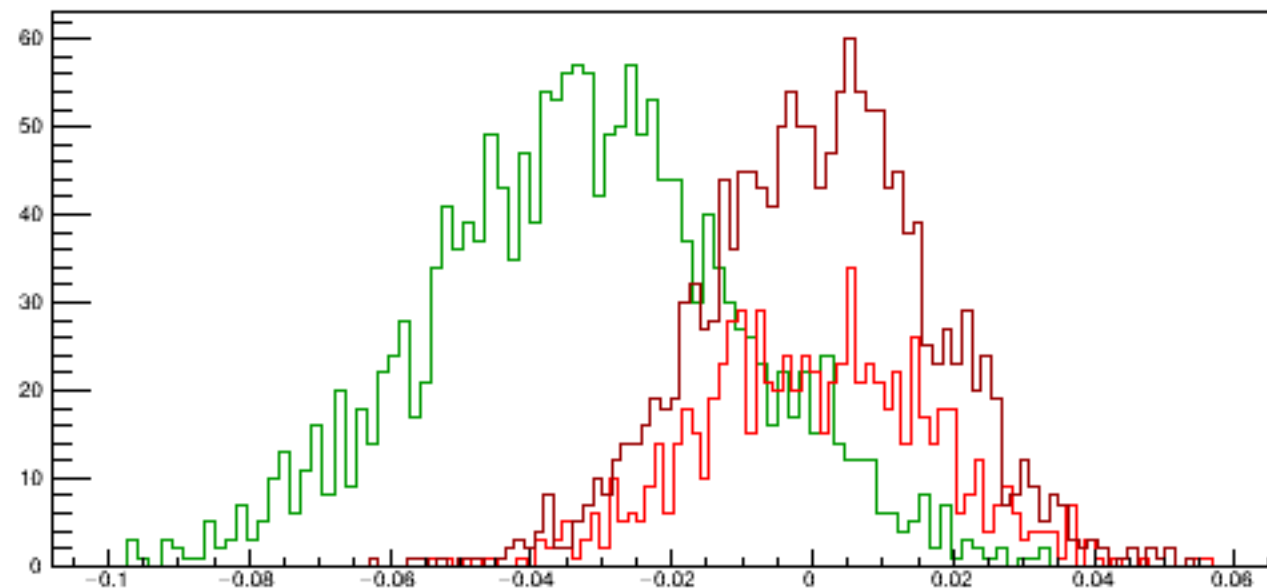
Std Dev: 0.0219 +/- 0.0004

Entries: 1540

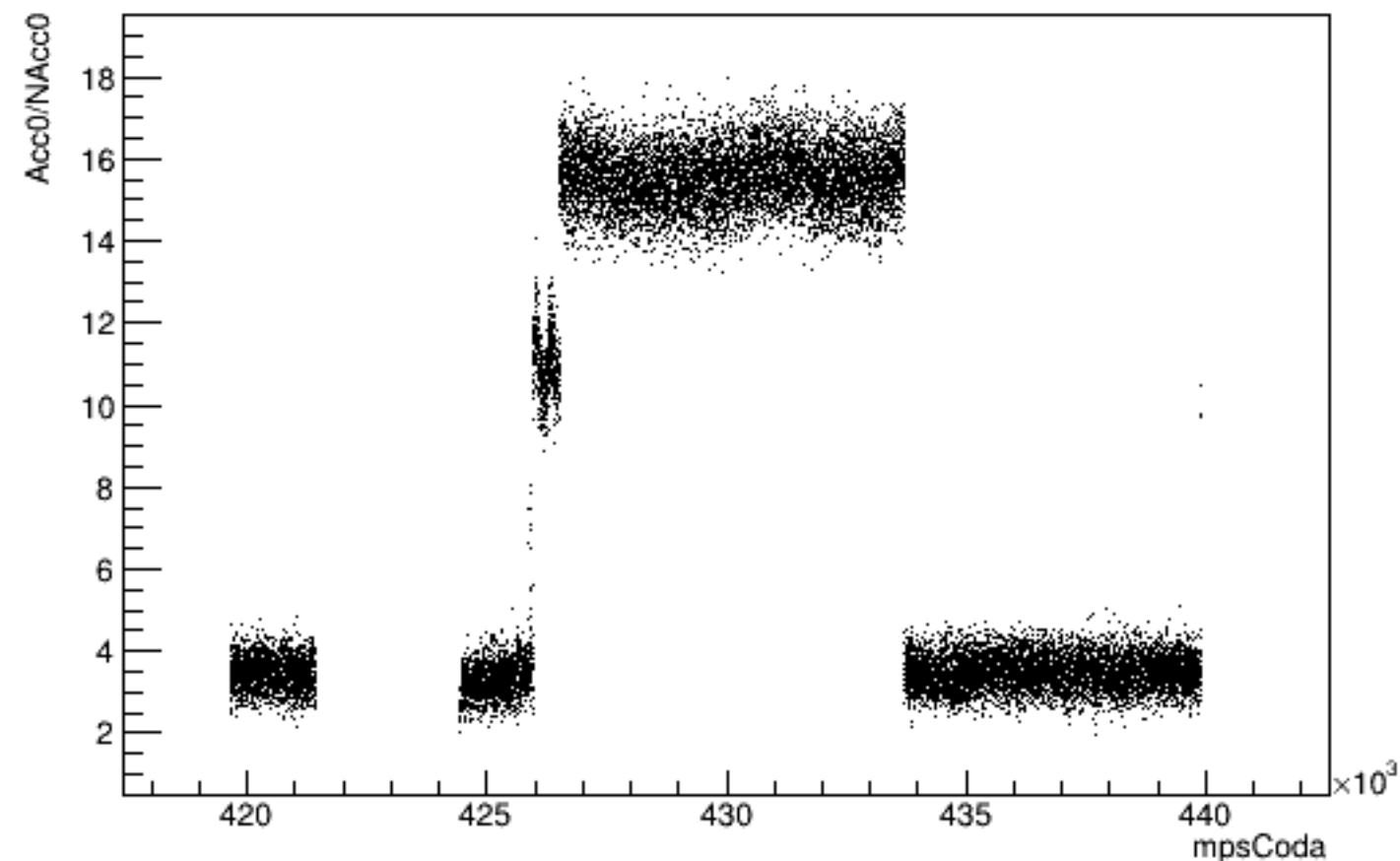
Mean: 0.0008 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

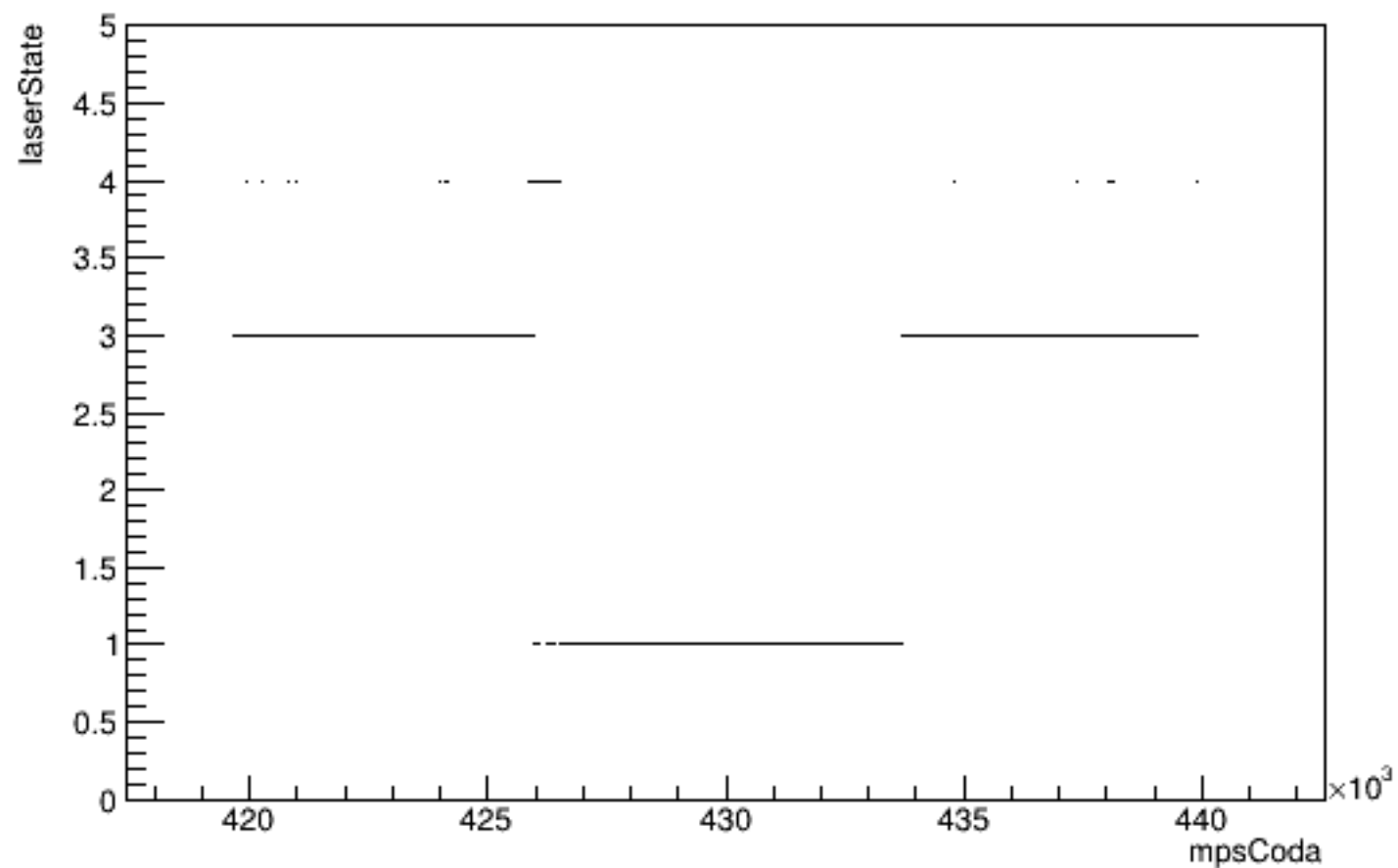
Run 6089 quartetwise, Asyms



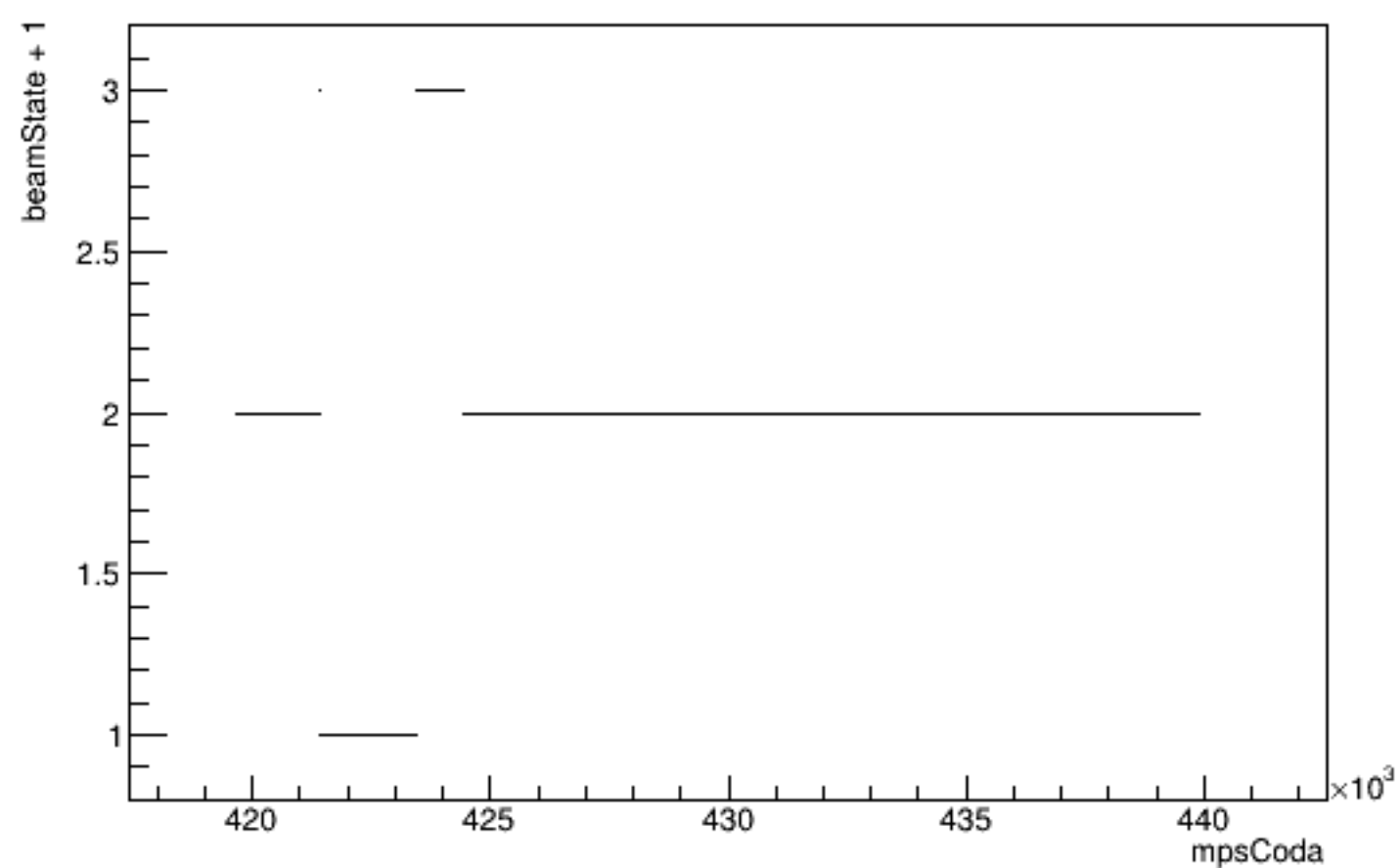
Acc0/NAcc0:mpsCoda (mpsCoda>=419636 && mpsCoda<=439903 && beamState==1)



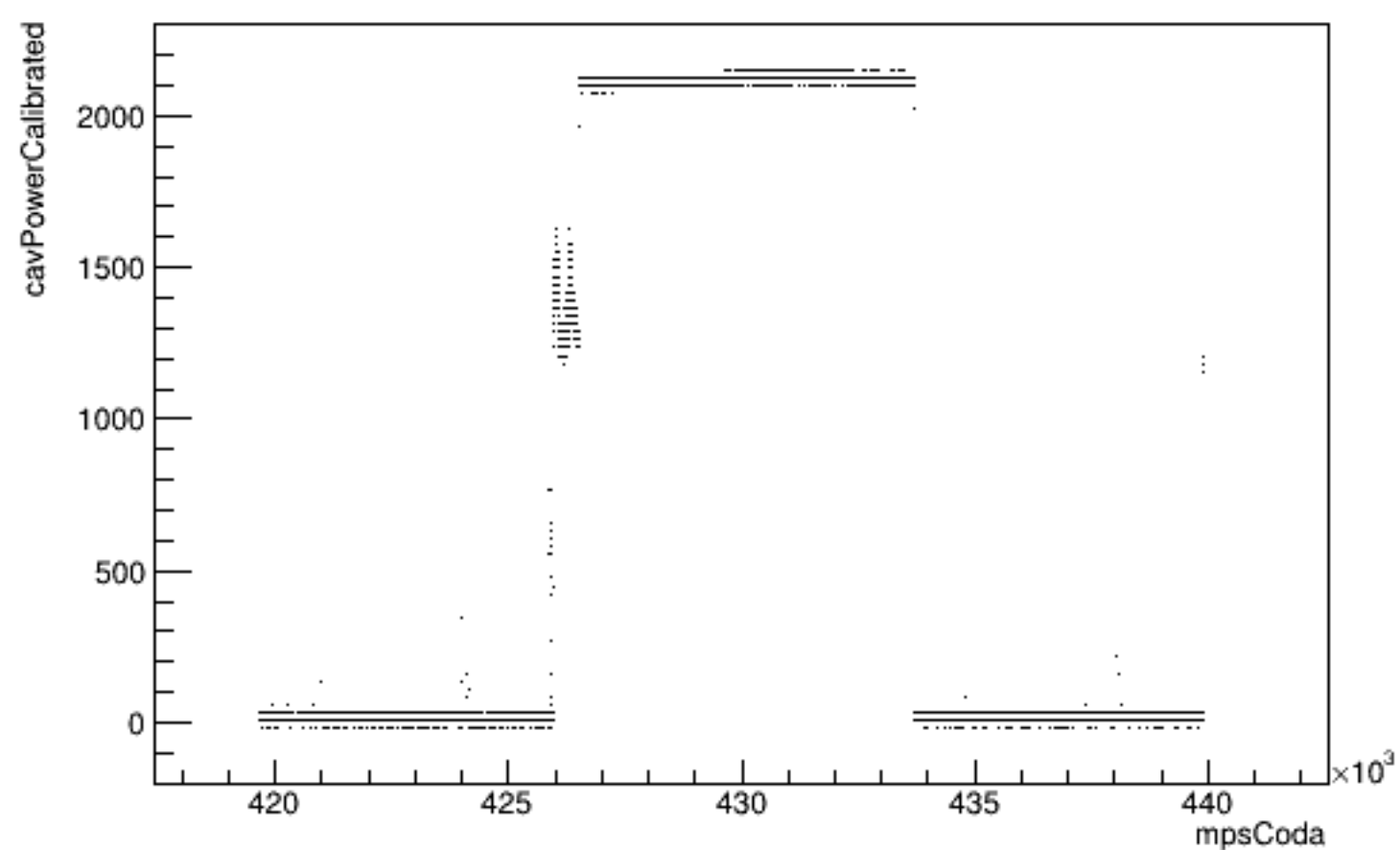
laserState:mpsCoda {mpsCoda&gt;=419636 &amp;&amp; mpsCoda&lt;=439903}



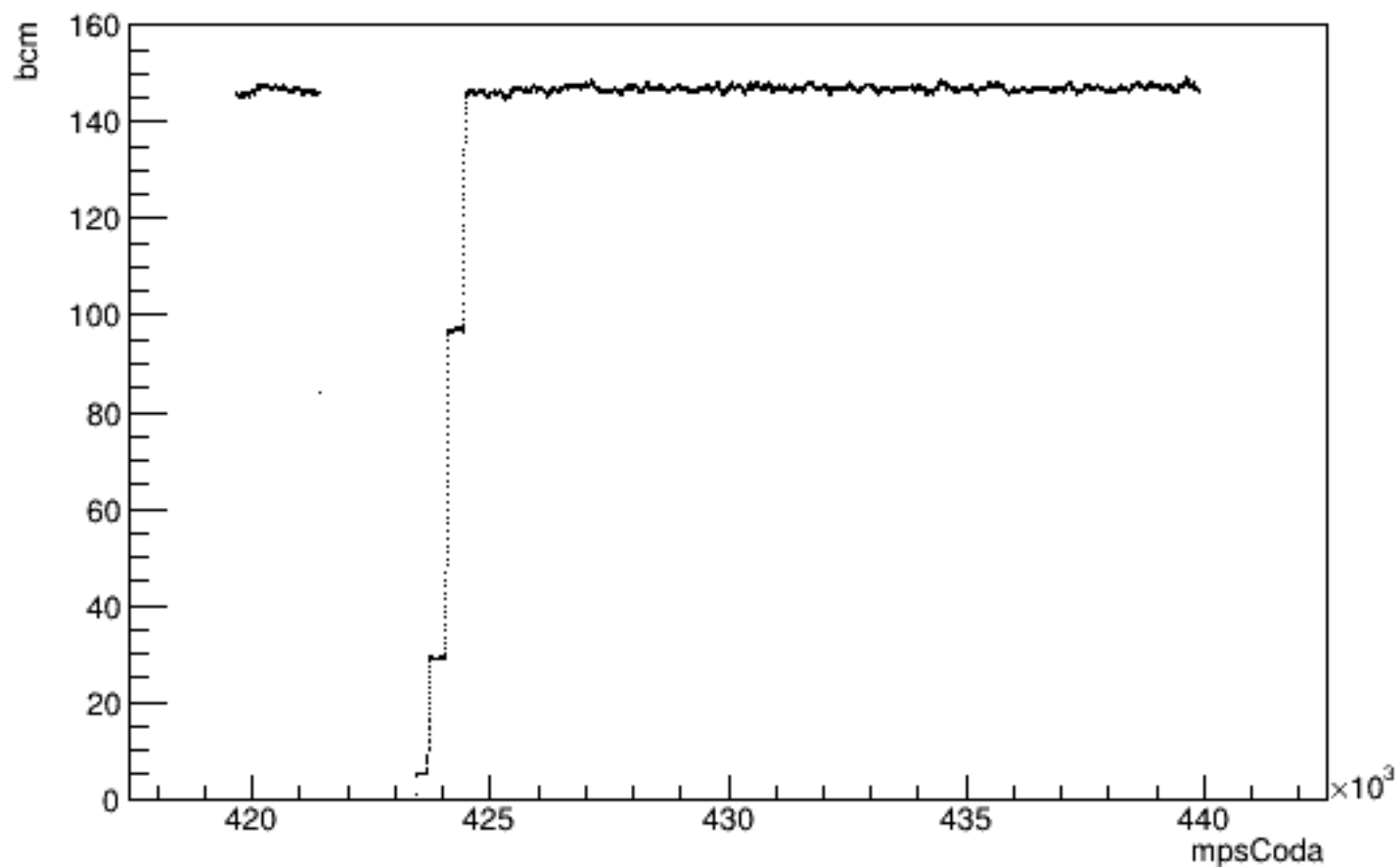
beamState + 1:mpsCoda {mpsCoda&gt;=419636 &amp;&amp; mpsCoda&lt;=439903}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=419636 &amp;&amp; mpsCoda&lt;=439903}



bcm:mpsCoda {mpsCoda&gt;=419636 &amp;&amp; mpsCoda&lt;=439903}



# Cycle 15, Diffs

**Entries: 1540**

**Mean: 0.0186 +/- 0.0102**

**Std Dev: 0.3991 +/- 0.0072**

**Entries: 1001**

**Mean: -0.7724 +/- 0.0169**

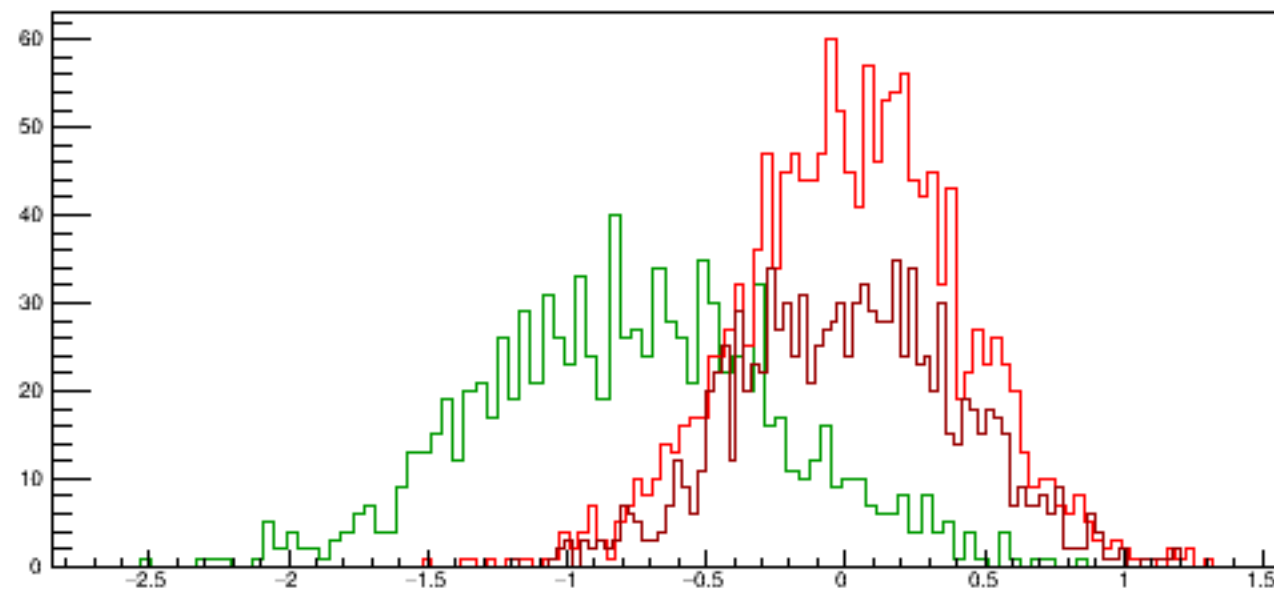
**Std Dev: 0.5360 +/- 0.0120**

**Entries: 1114**

**Mean: 0.0138 +/- 0.0119**

**Std Dev: 0.3979 +/- 0.0084**

Run 6089 quartetwise, Diffs



# Cycle 15, Sums

**Entries: 1540**

**Mean: 6.9832 +/- 0.0111**

**Std Dev: 0.4354 +/- 0.0078**

**Entries: 1001**

**Mean: 31.0231 +/- 0.0255**

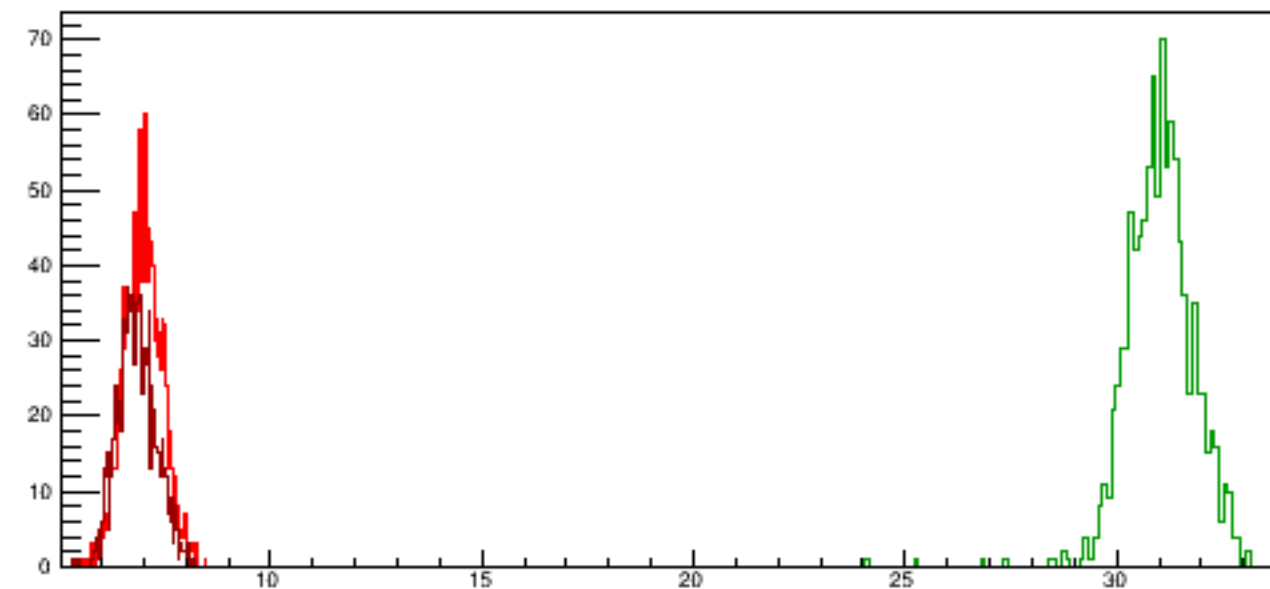
**Std Dev: 0.8071 +/- 0.0180**

**Entries: 1114**

**Mean: 6.8378 +/- 0.0135**

**Std Dev: 0.4519 +/- 0.0096**

Run 6089 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=433720 && mpsCoda<=452539 && beamState==1)

# Cycle 15, Asyms

**Entries: 1540**

**Mean: 0.0008 +/- 0.0004**

**Std Dev: 0.0166 +/- 0.0003**

**Entries: 1001**

**Mean: -0.0321 +/- 0.0007**

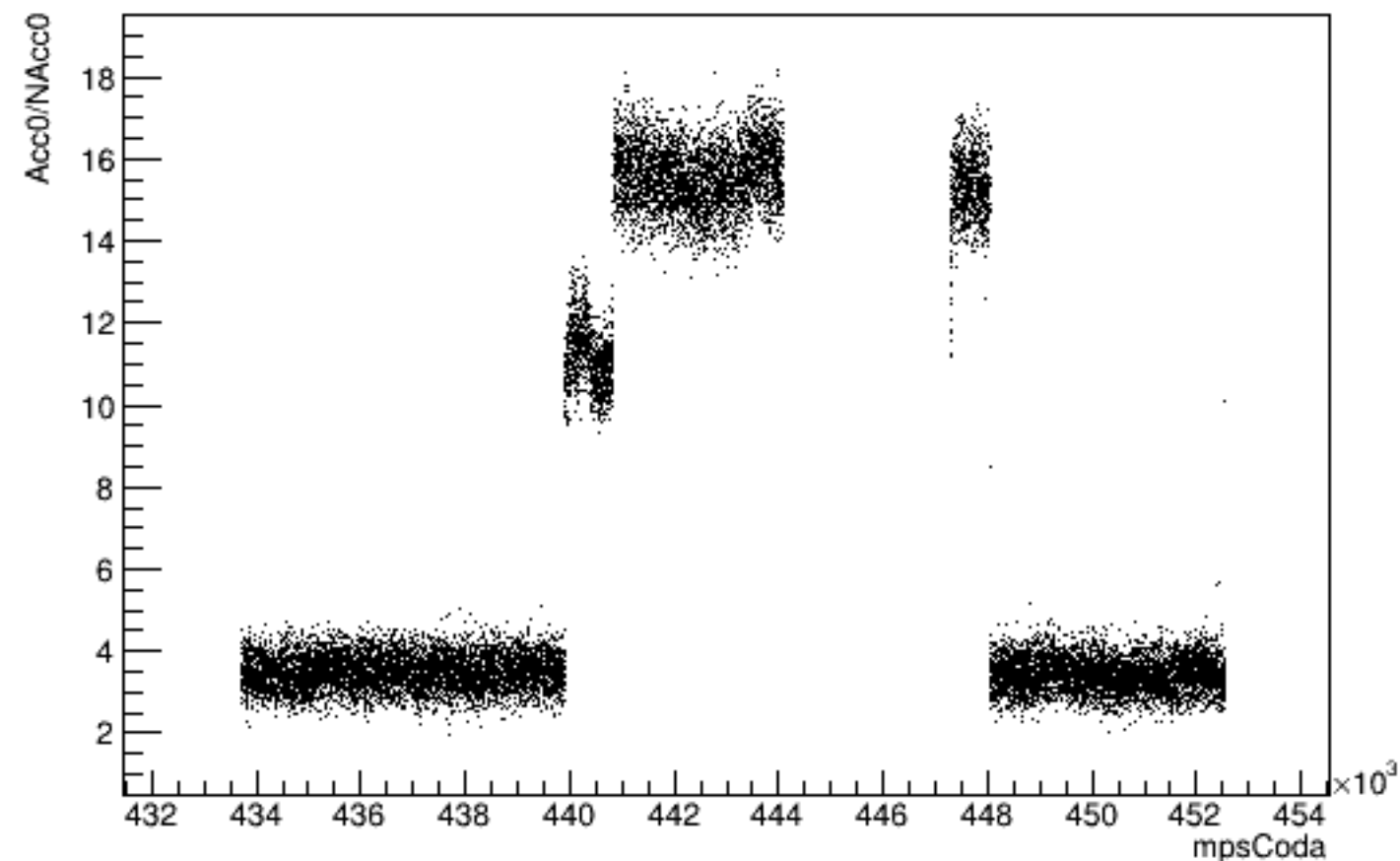
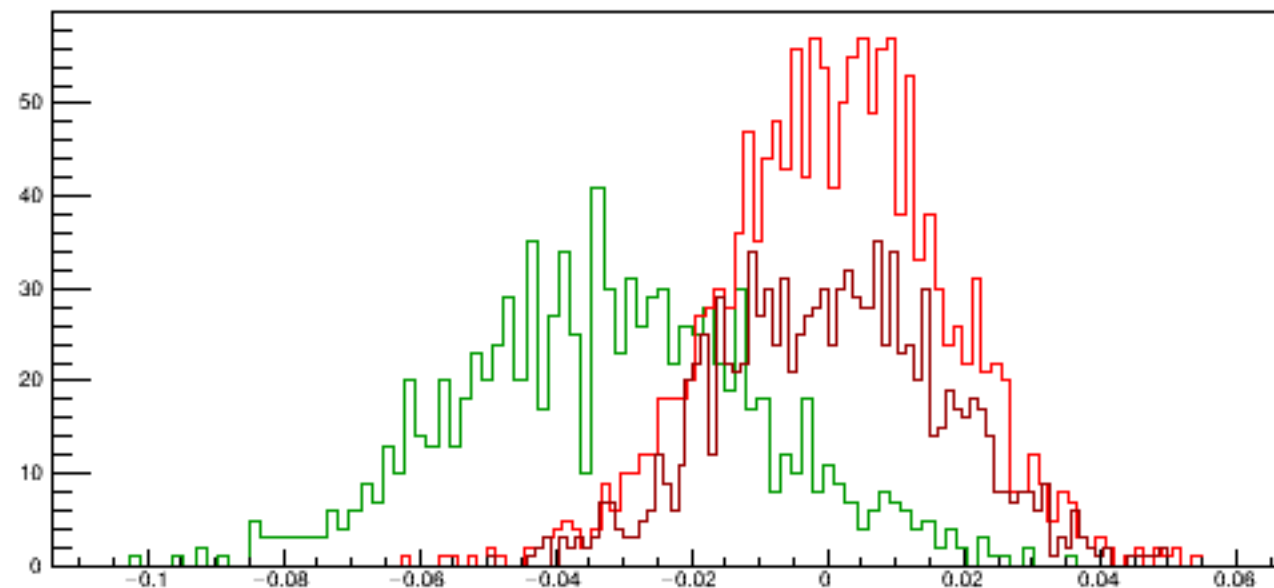
**Std Dev: 0.0222 +/- 0.0005**

**Entries: 1114**

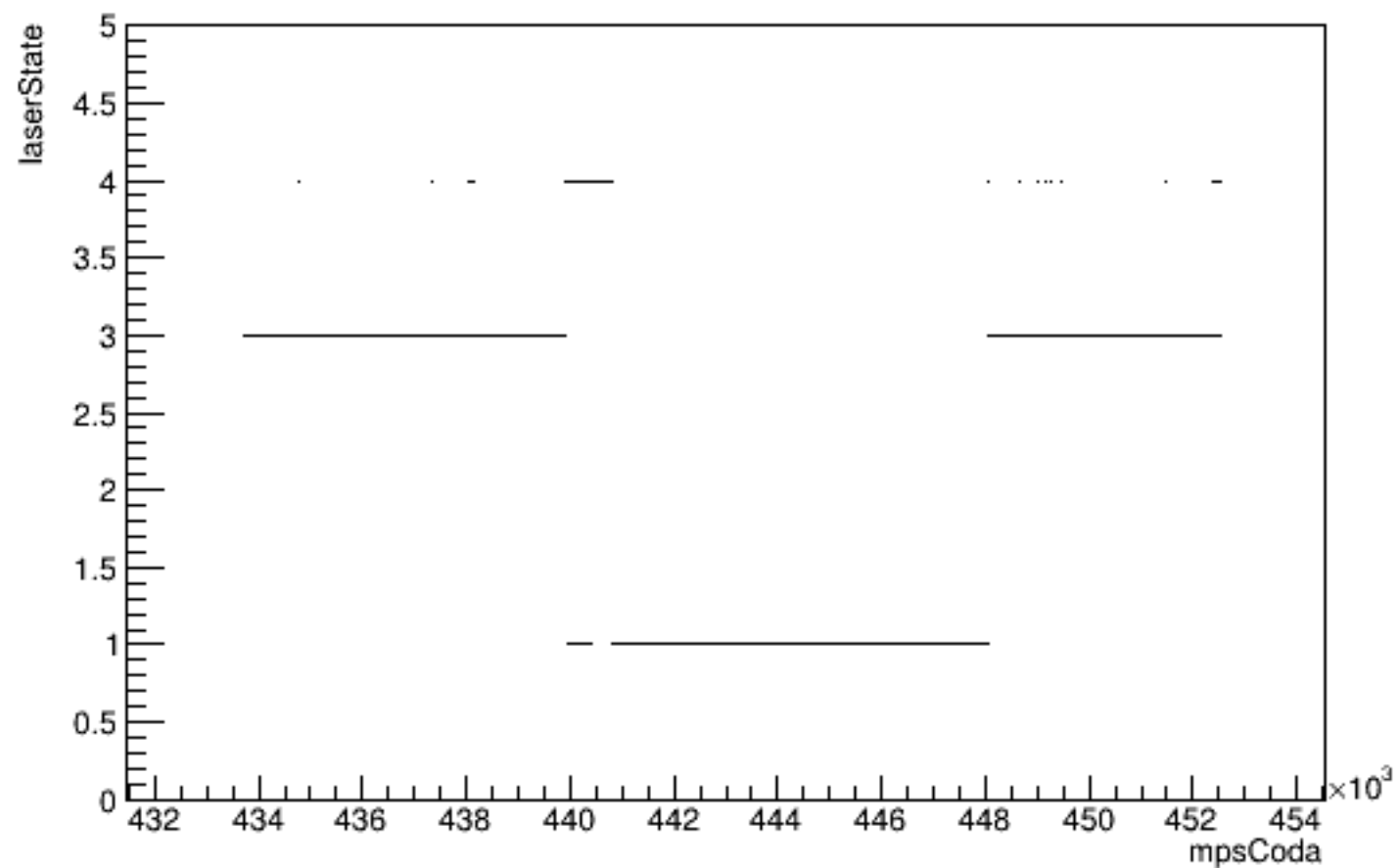
**Mean: 0.0006 +/- 0.0005**

**Std Dev: 0.0165 +/- 0.0003**

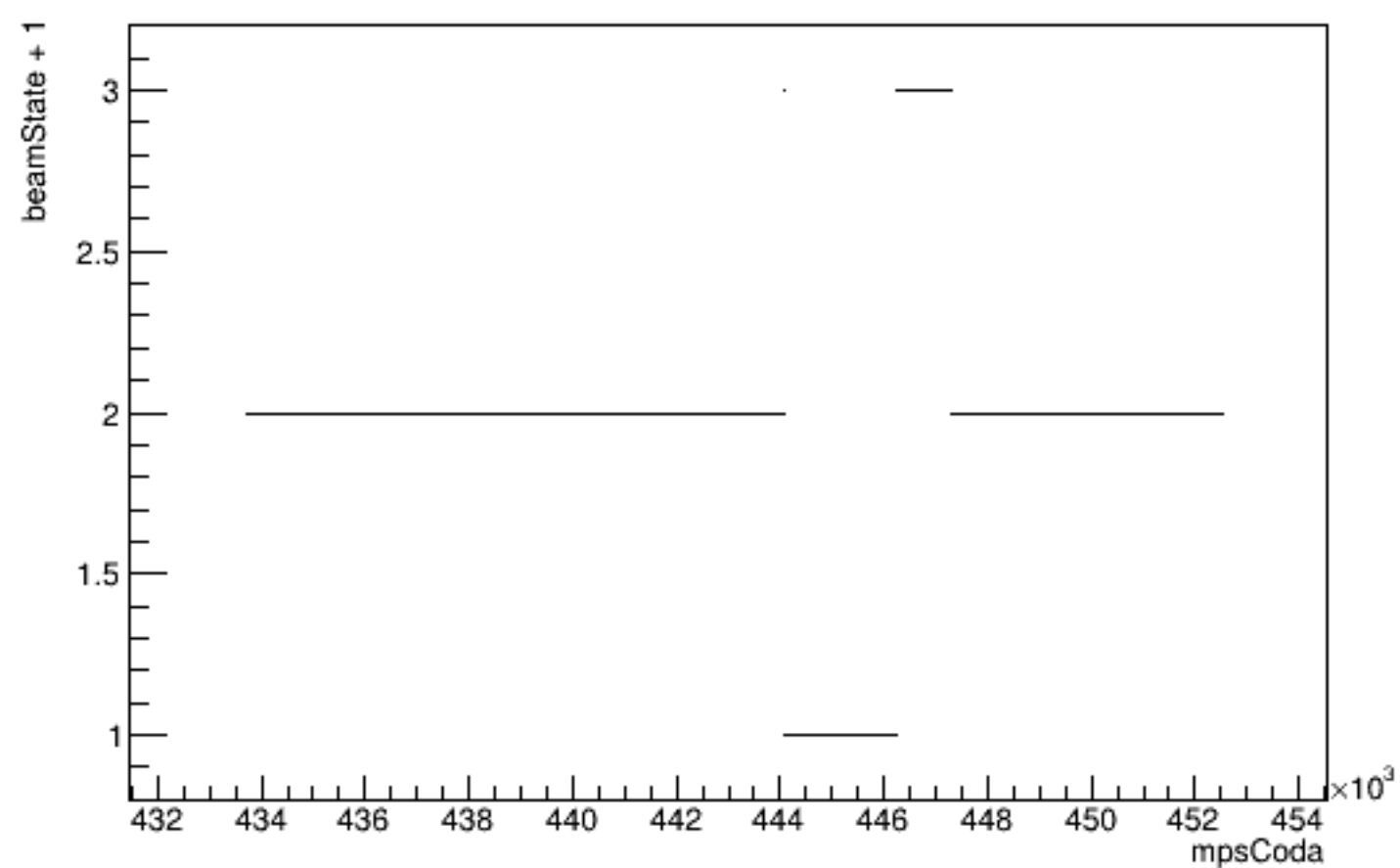
Run 6089 quartetwise, Asyms



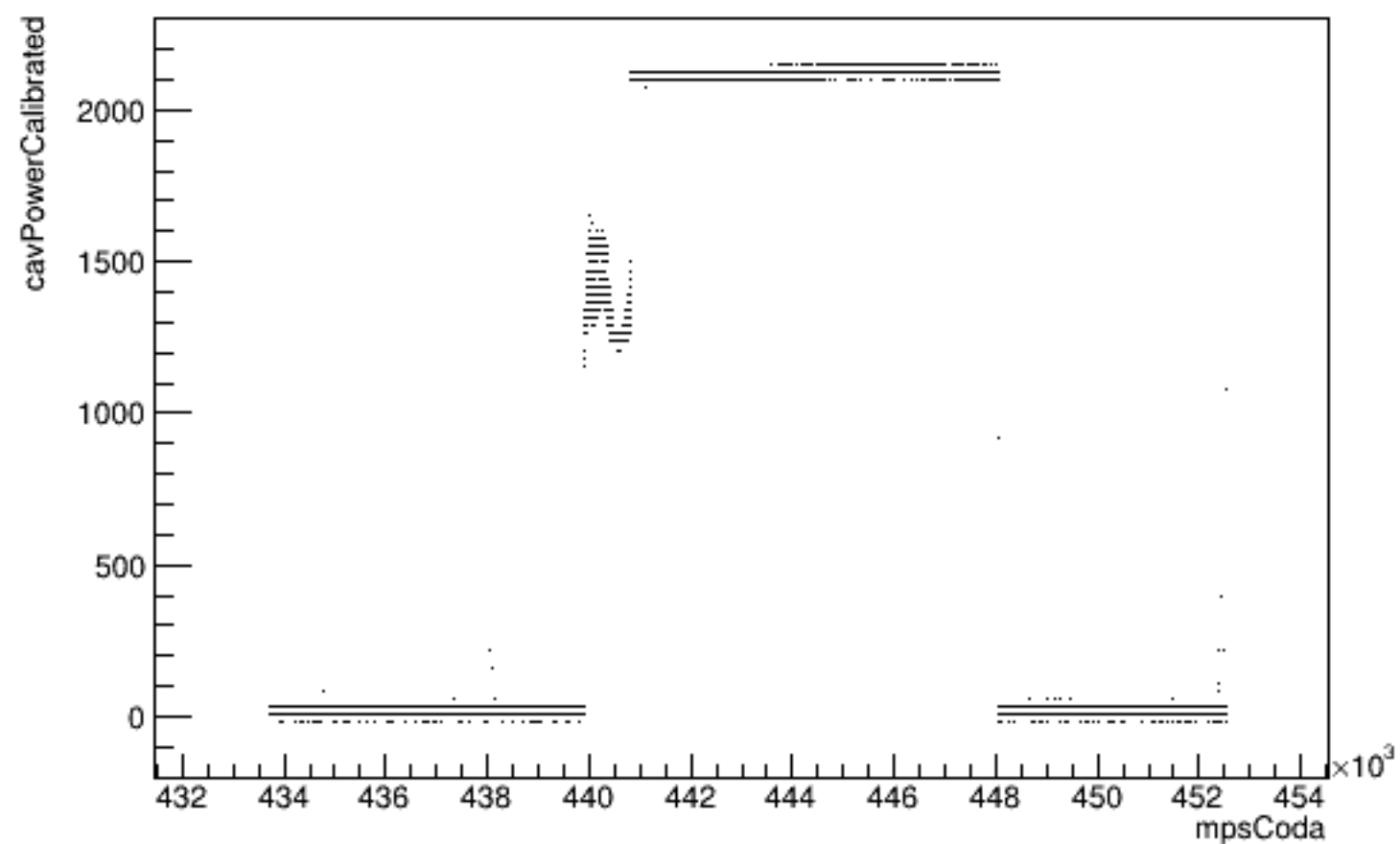
laserState:mpsCoda {mpsCoda&gt;=433720 &amp;&amp; mpsCoda&lt;=452539}



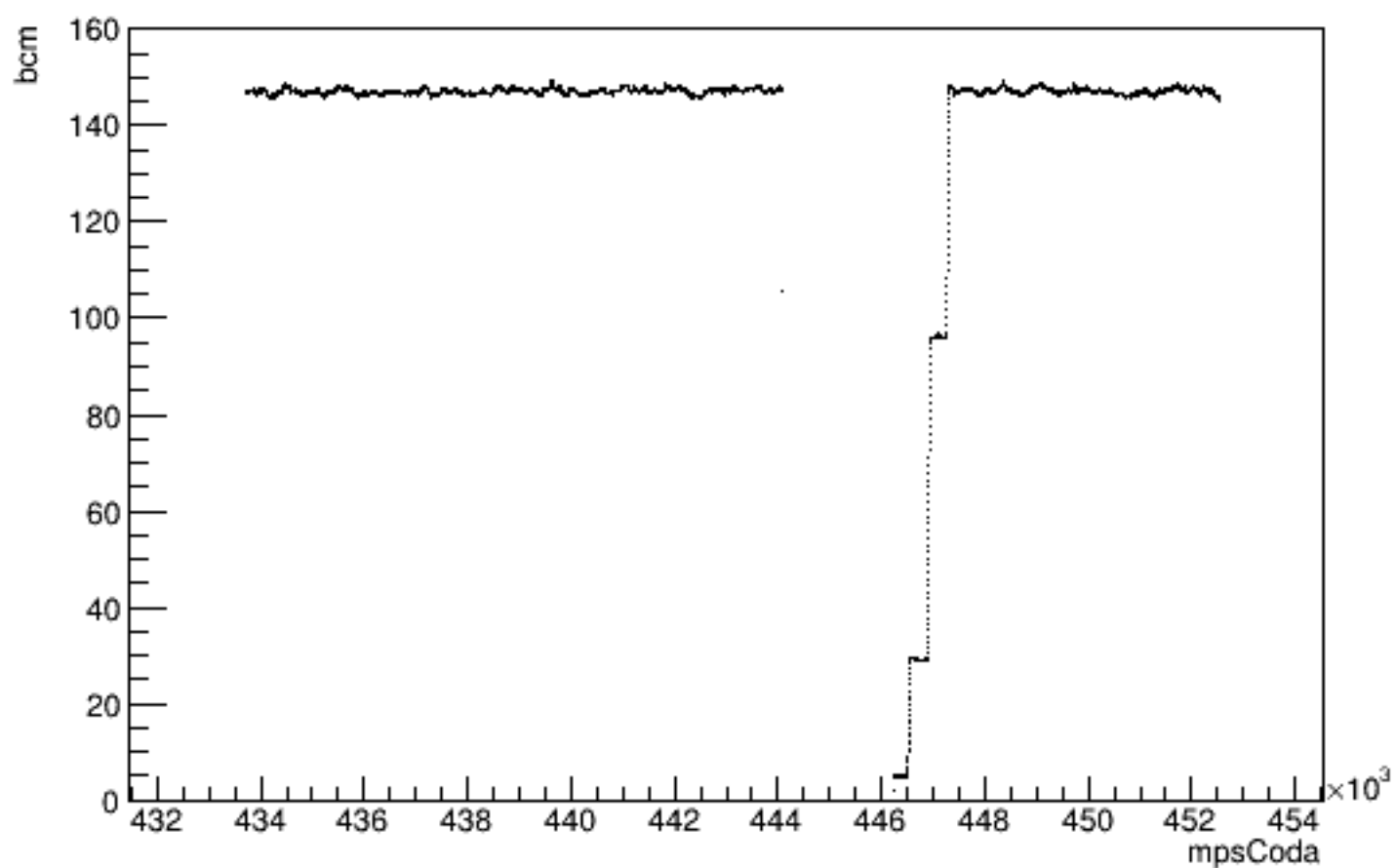
beamState + 1:mpsCoda {mpsCoda&gt;=433720 &amp;&amp; mpsCoda&lt;=452539}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=433720 &amp;&amp; mpsCoda&lt;=452539}



bcm:mpsCoda {mpsCoda&gt;=433720 &amp;&amp; mpsCoda&lt;=452539}



## Cycle 16, Diffs

Entries: 1114

Mean: 0.0138 +/- 0.0119

Std Dev: 0.3979 +/- 0.0084

Entries: 1801

Mean: -0.7723 +/- 0.0127

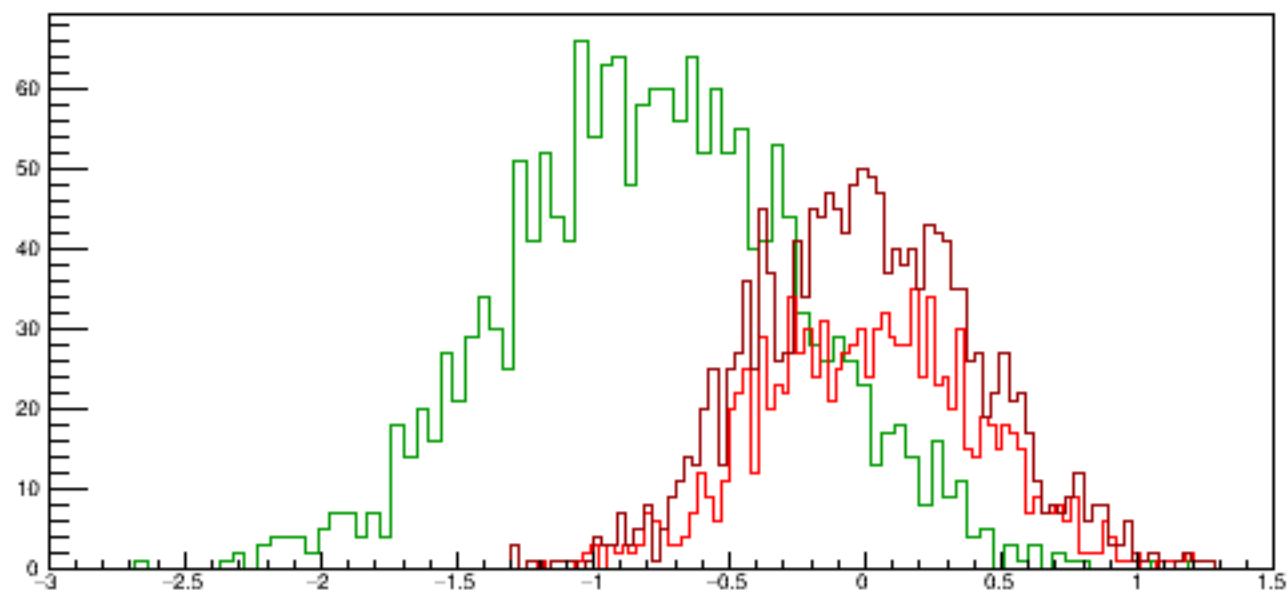
Std Dev: 0.5372 +/- 0.0090

Entries: 1558

Mean: 0.0007 +/- 0.0103

Std Dev: 0.4084 +/- 0.0073

Run 6089 quartetwise, Diffs



## Cycle 16, Sums

Entries: 1114

Mean: 6.8378 +/- 0.0135

Std Dev: 0.4519 +/- 0.0096

Entries: 1801

Mean: 31.0715 +/- 0.0149

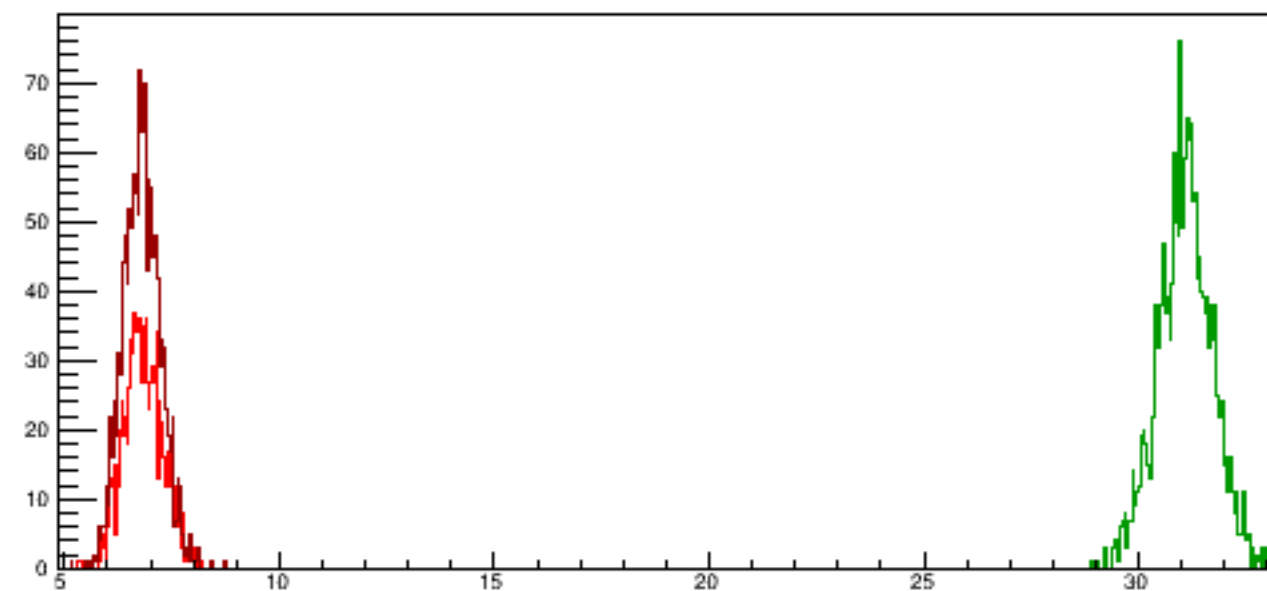
Std Dev: 0.6336 +/- 0.0106

Entries: 1558

Mean: 6.8061 +/- 0.0109

Std Dev: 0.4293 +/- 0.0077

Run 6089 quartetwise, Sums



## Cycle 16, Asyms

Entries: 1114

Mean: 0.0006 +/- 0.0005

Std Dev: 0.0164 +/- 0.0003

Entries: 1801

Mean: -0.0319 +/- 0.0005

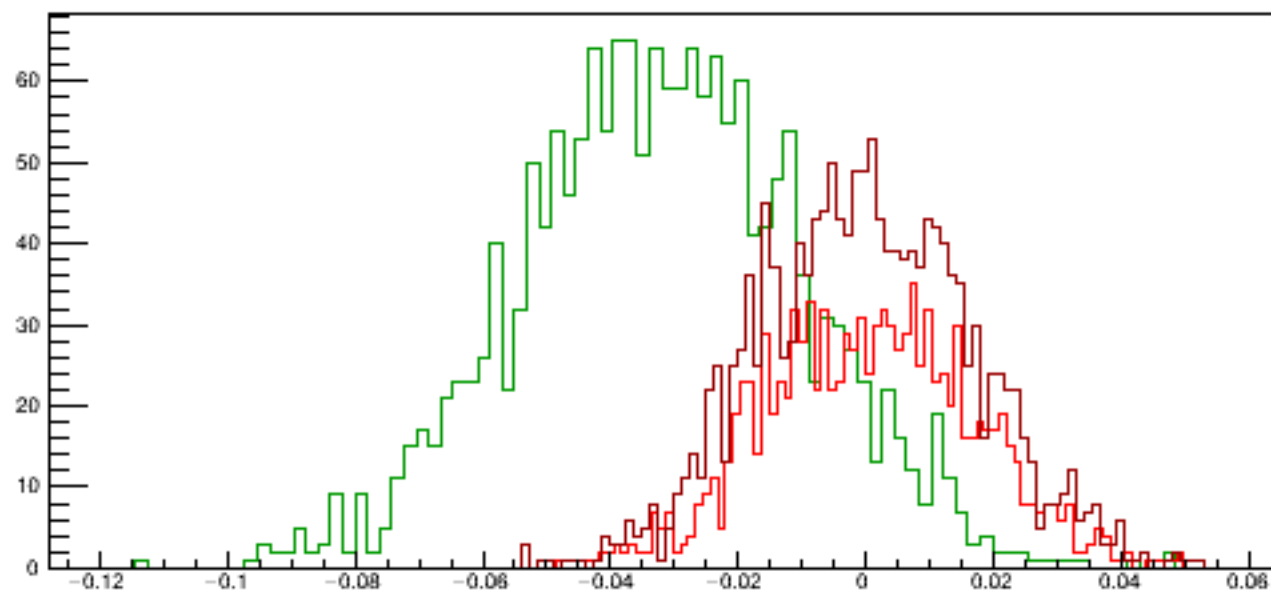
Std Dev: 0.0222 +/- 0.0004

Entries: 1558

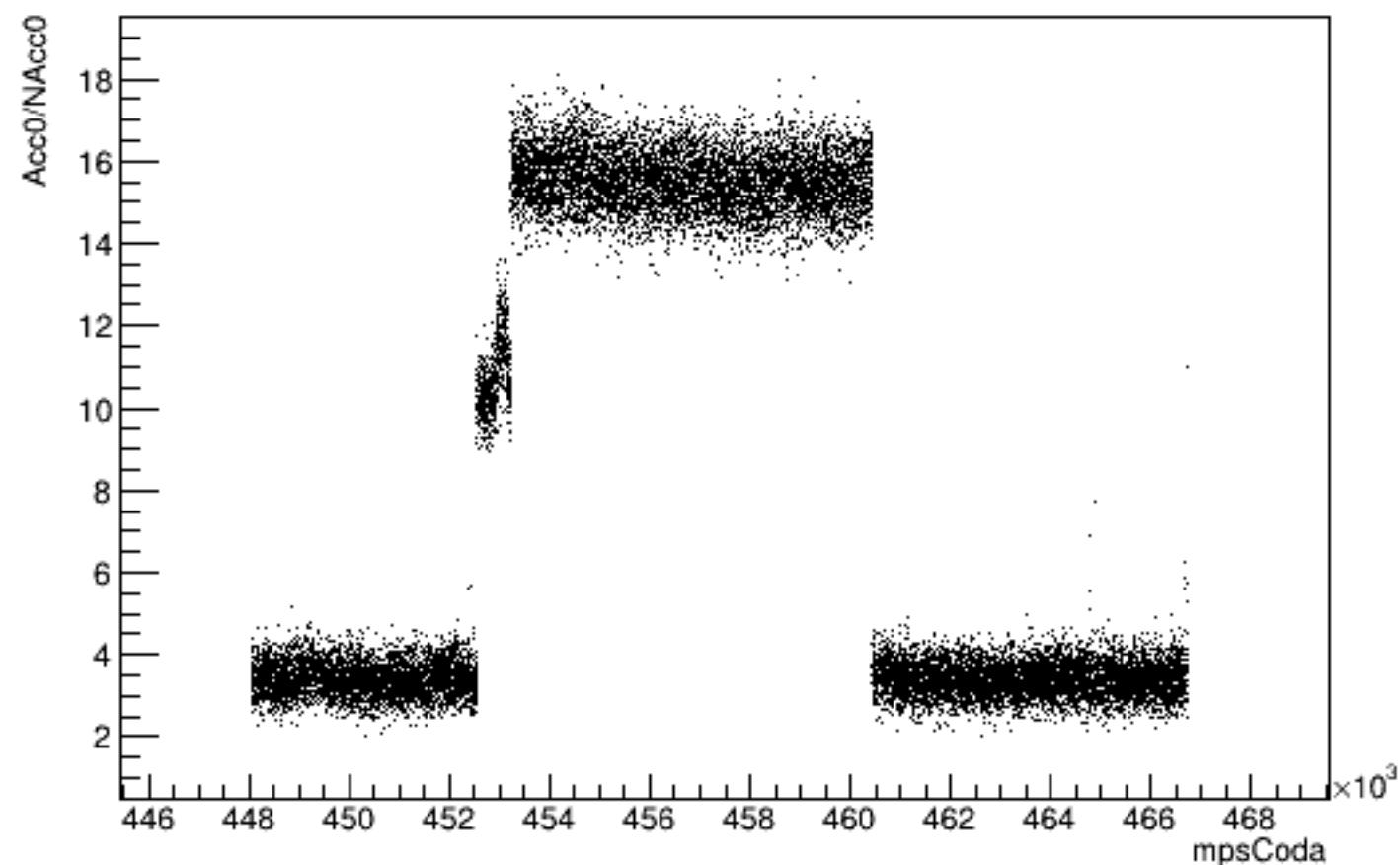
Mean: 0.0000 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

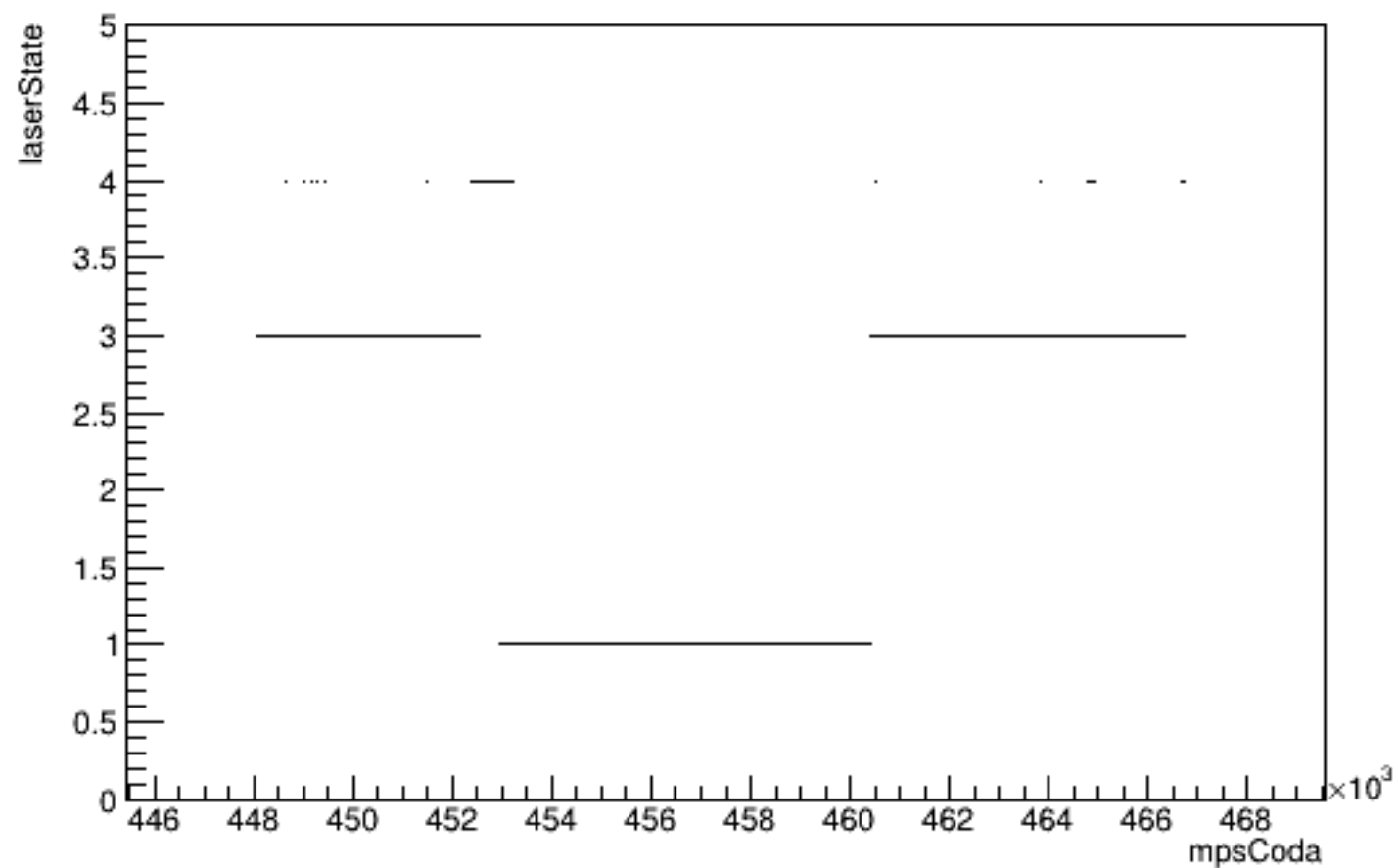
Run 6089 quartetwise, Asyms



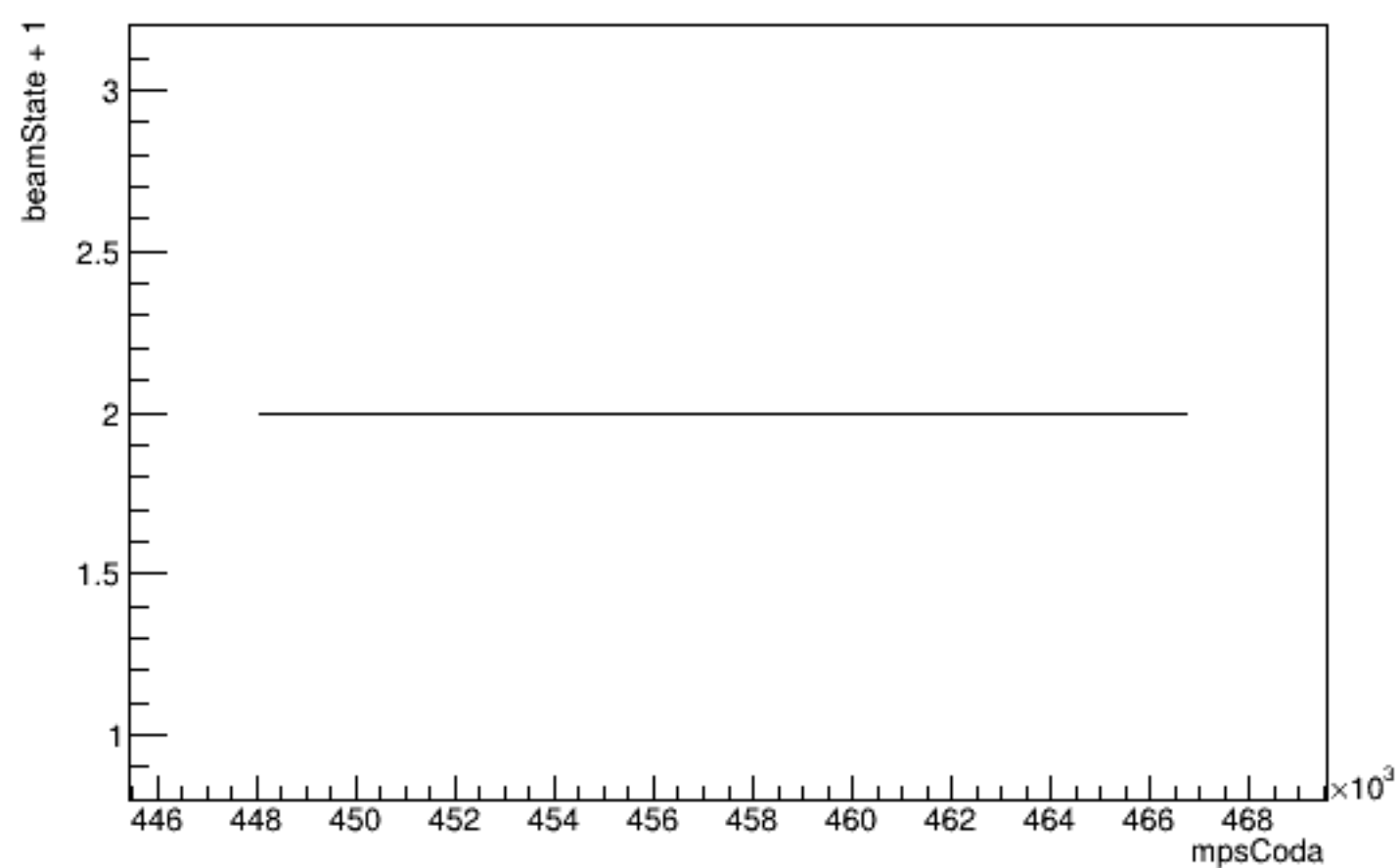
Acc0/NAcc0:mpsCoda (mpsCoda>=448040 && mpsCoda<=466727 && beamState==1)



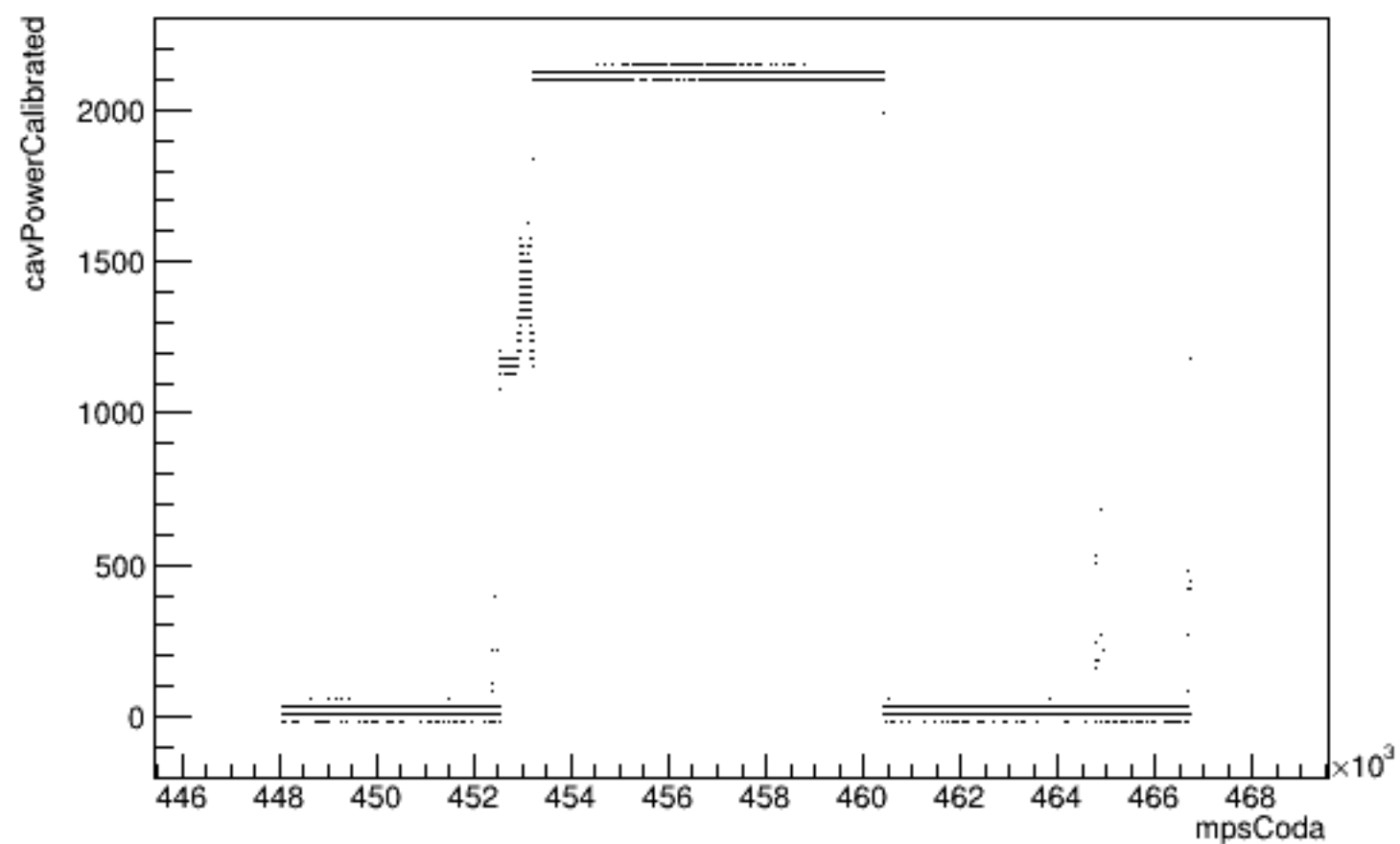
laserState:mpsCoda {mpsCoda&gt;=448040 &amp;&amp; mpsCoda&lt;=466727}



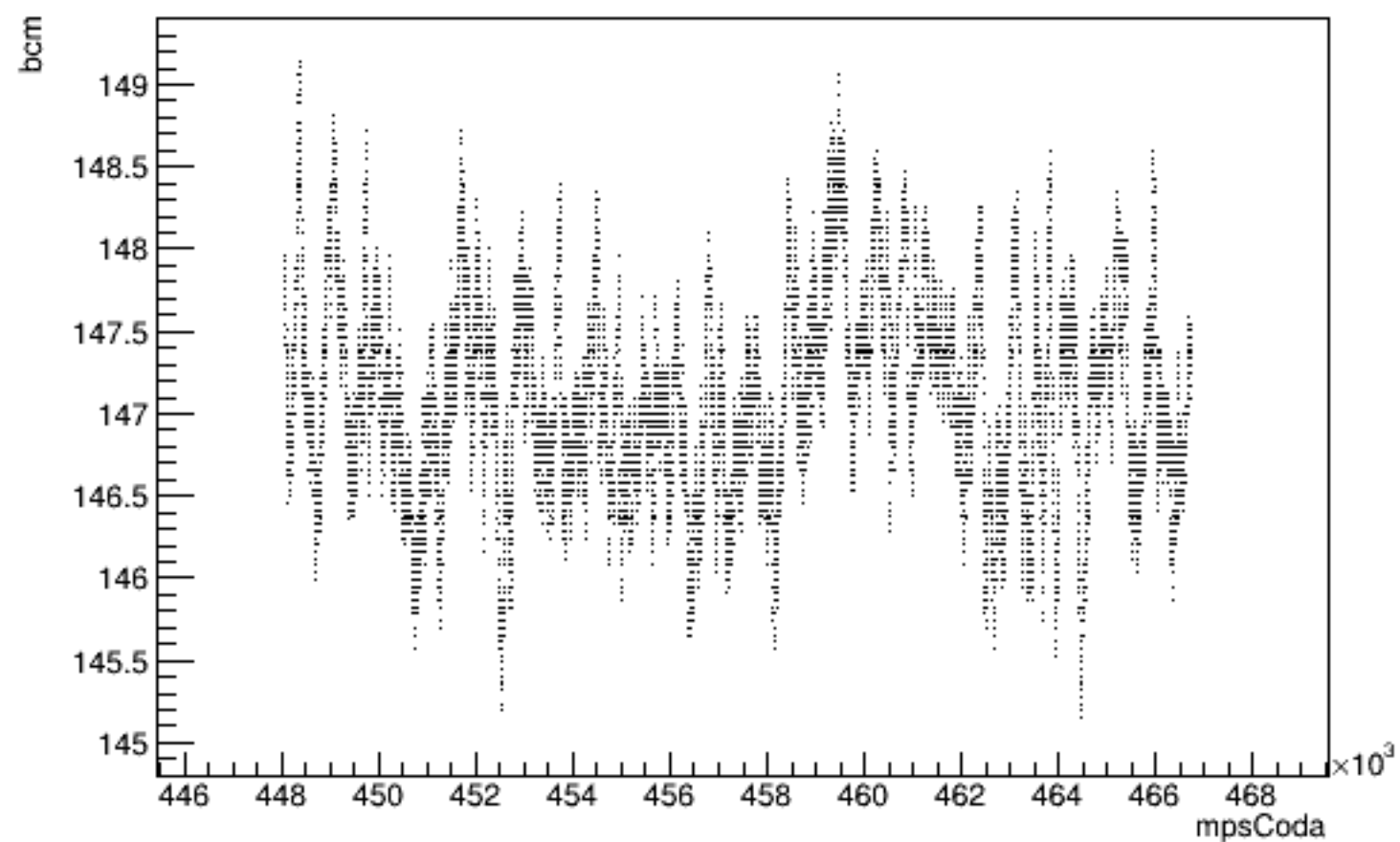
beamState + 1:mpsCoda {mpsCoda&gt;=448040 &amp;&amp; mpsCoda&lt;=466727}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=448040 &amp;&amp; mpsCoda&lt;=466727}



bcm:mpsCoda {mpsCoda&gt;=448040 &amp;&amp; mpsCoda&lt;=466727}





# Cycle 17, Diffs

Entries: 1552

Mean: 0.0031 +/- 0.0102

Std Dev: 0.4037 +/- 0.0072

Entries: 1800

Mean: -0.7797 +/- 0.0125

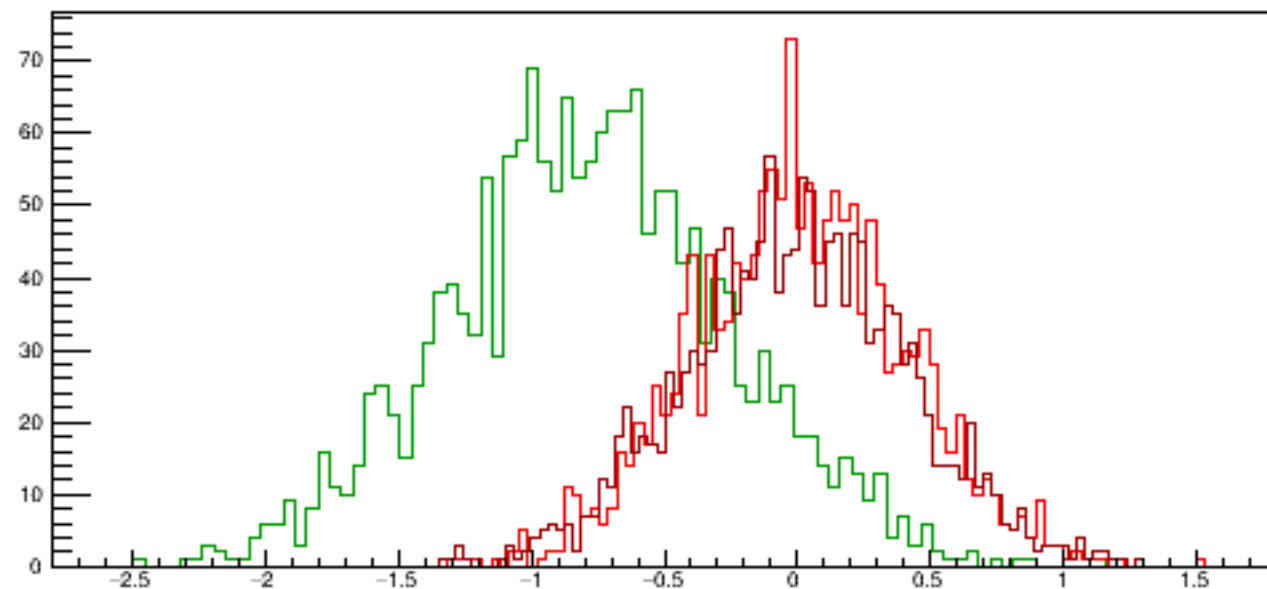
Std Dev: 0.5287 +/- 0.0088

Entries: 1539

Mean: -0.0087 +/- 0.0106

Std Dev: 0.4175 +/- 0.0075

Run 6089 quartetwise, Diffs



# Cycle 17, Sums

Entries: 1552

Mean: 6.8344 +/- 0.0107

Std Dev: 0.4230 +/- 0.0076

Entries: 1800

Mean: 31.7948 +/- 0.0147

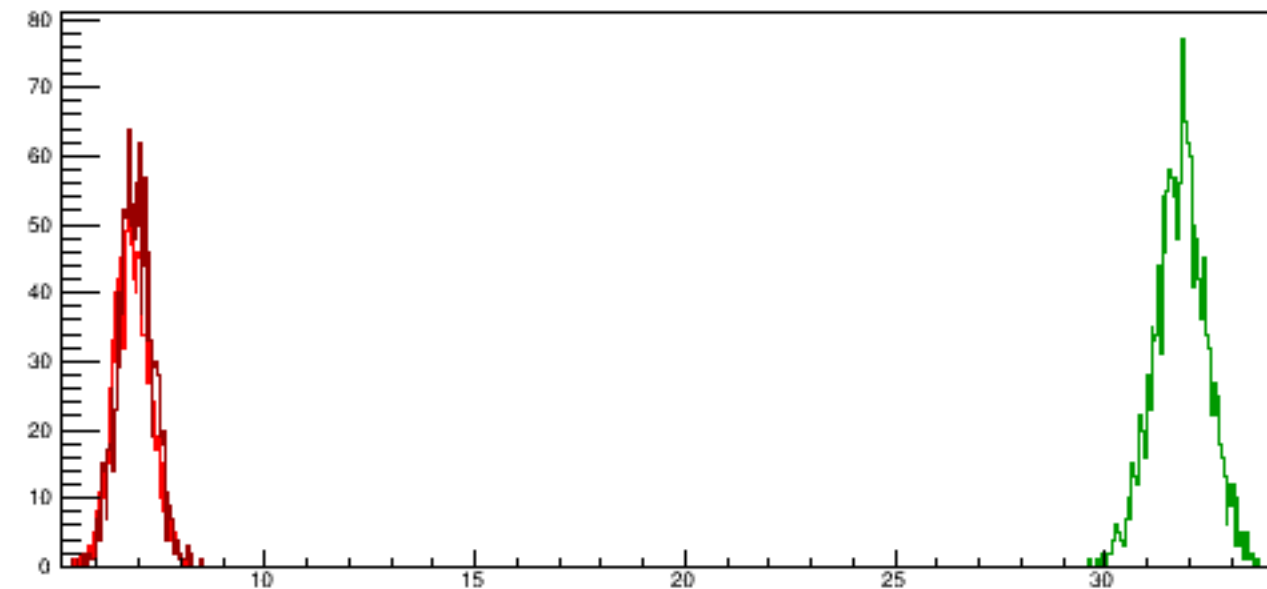
Std Dev: 0.6221 +/- 0.0104

Entries: 1539

Mean: 6.9267 +/- 0.0107

Std Dev: 0.4216 +/- 0.0076

Run 6089 quartetwise, Sums



# Cycle 17, Asyms

Entries: 1552

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0162 +/- 0.0003

Entries: 1800

Mean: -0.0313 +/- 0.0005

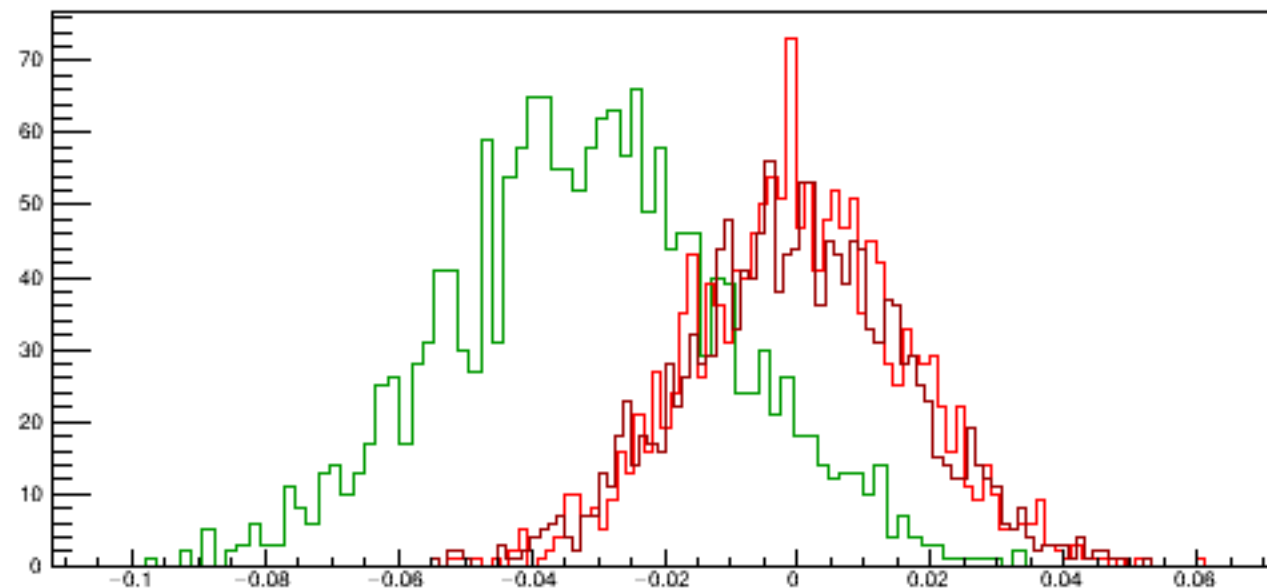
Std Dev: 0.0212 +/- 0.0004

Entries: 1539

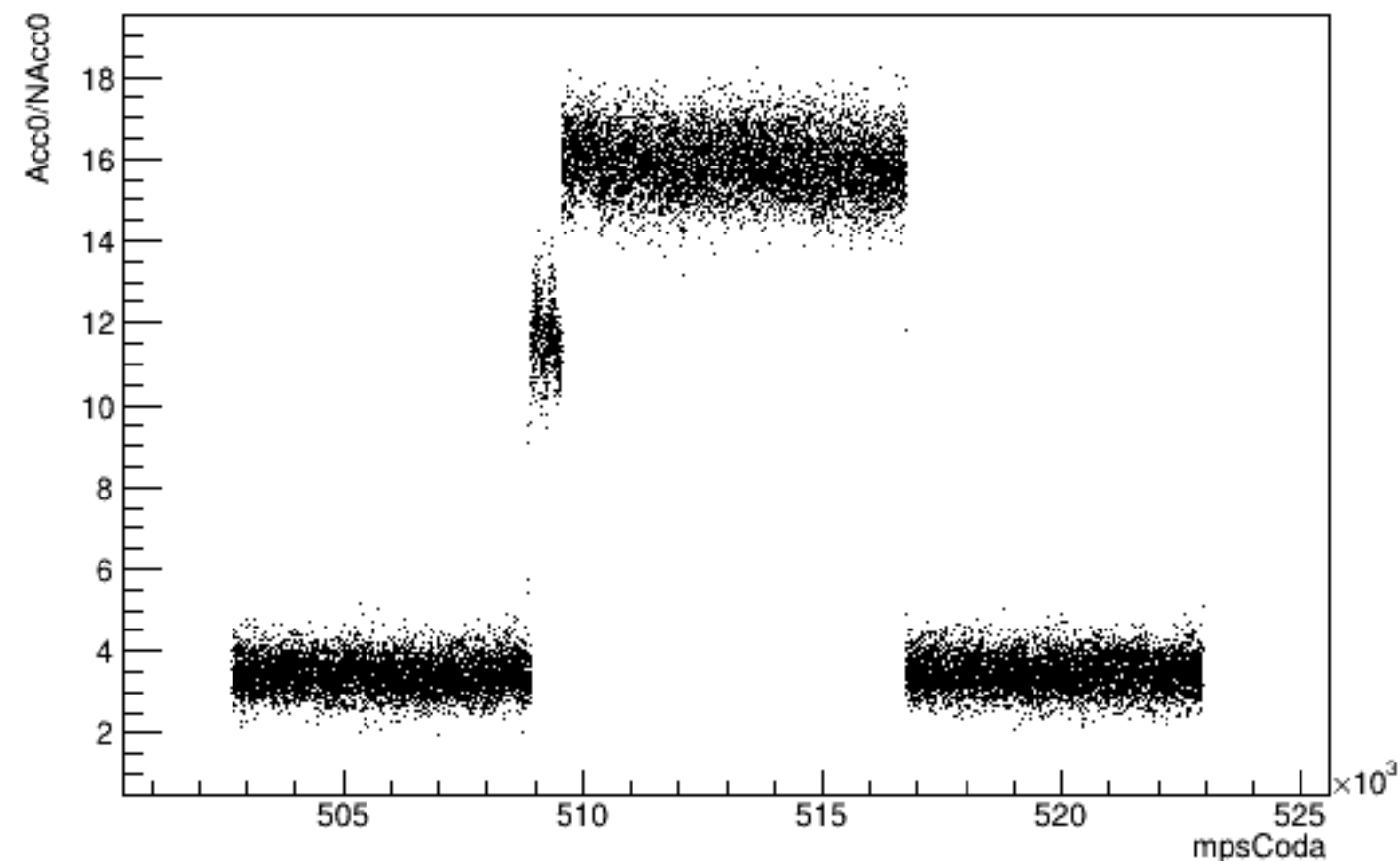
Mean: -0.0004 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

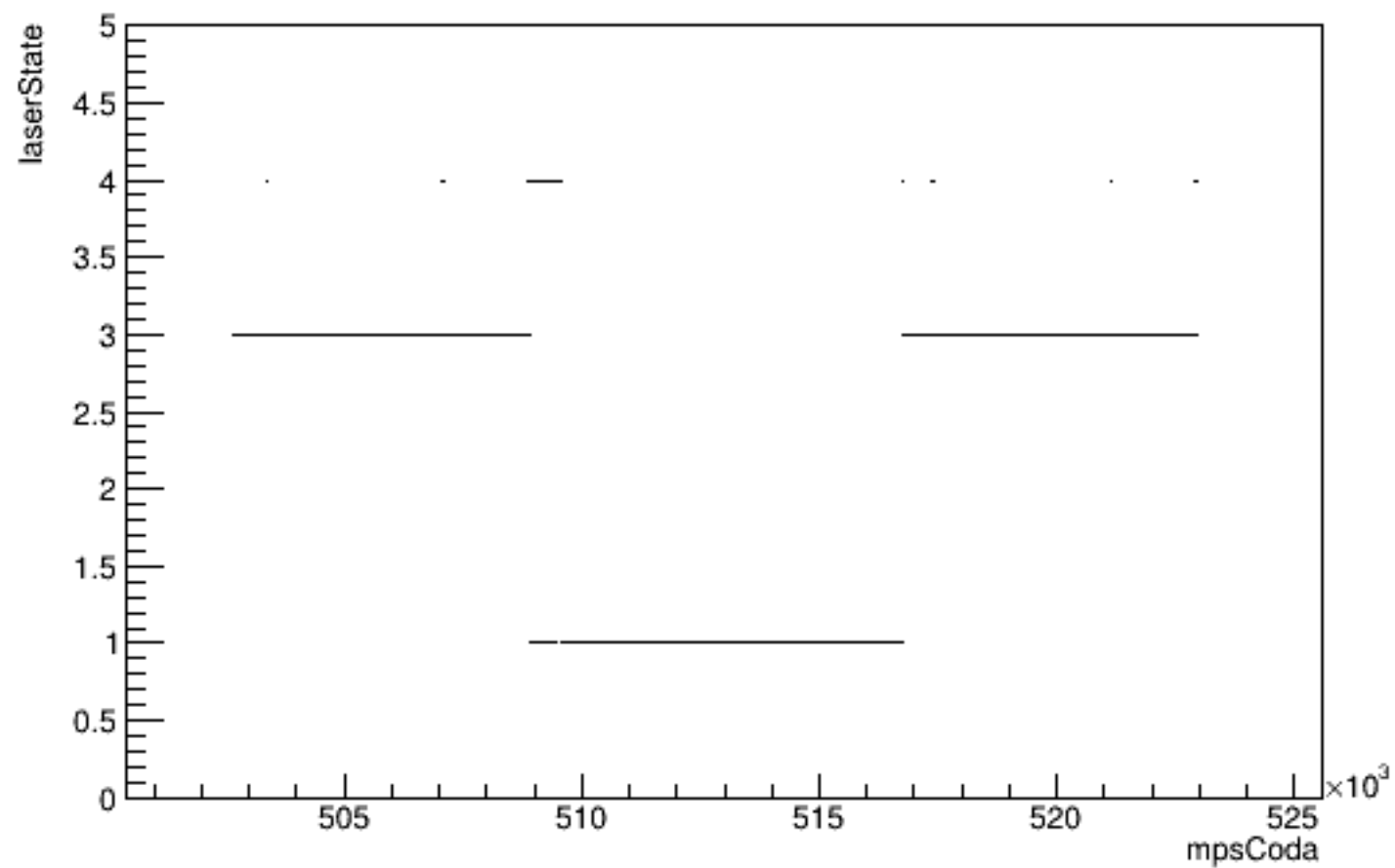
Run 6089 quartetwise, Asyms



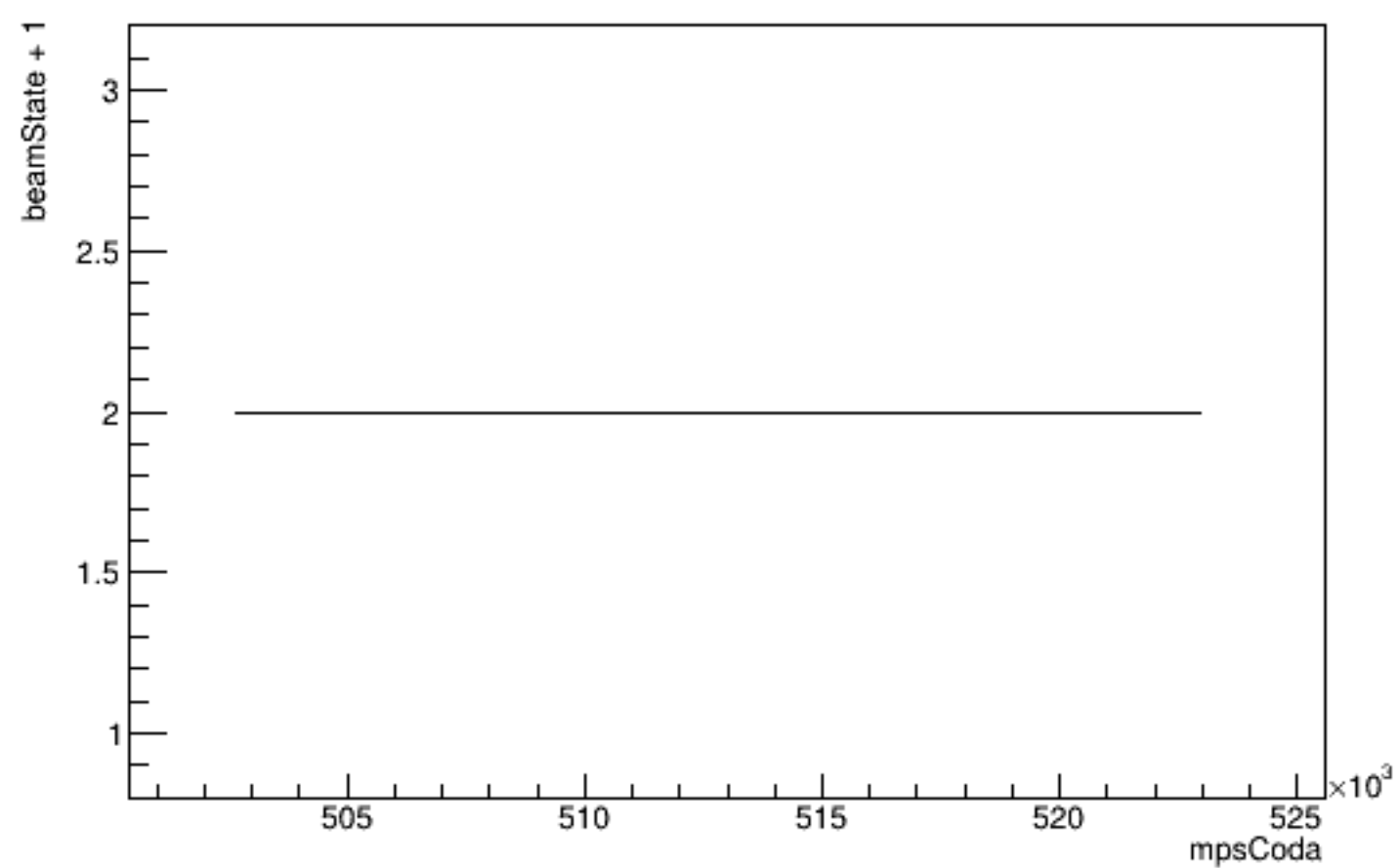
Acc0/NAcc0:mpsCoda (mpsCoda>=502680 && mpsCoda<=522935 && beamState==1)



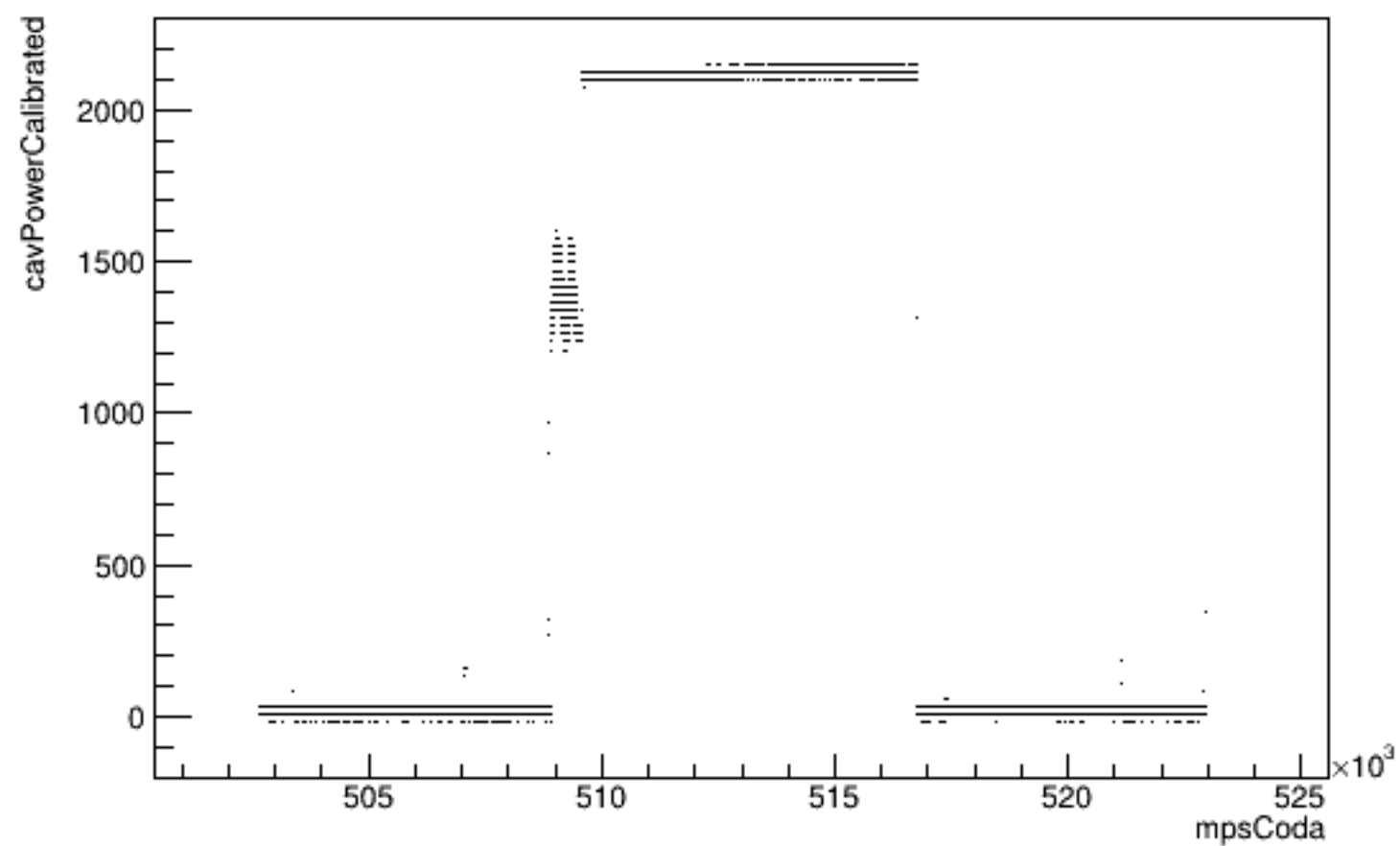
laserState:mpsCoda {mpsCoda&gt;=502680 &amp;&amp; mpsCoda&lt;=522935}



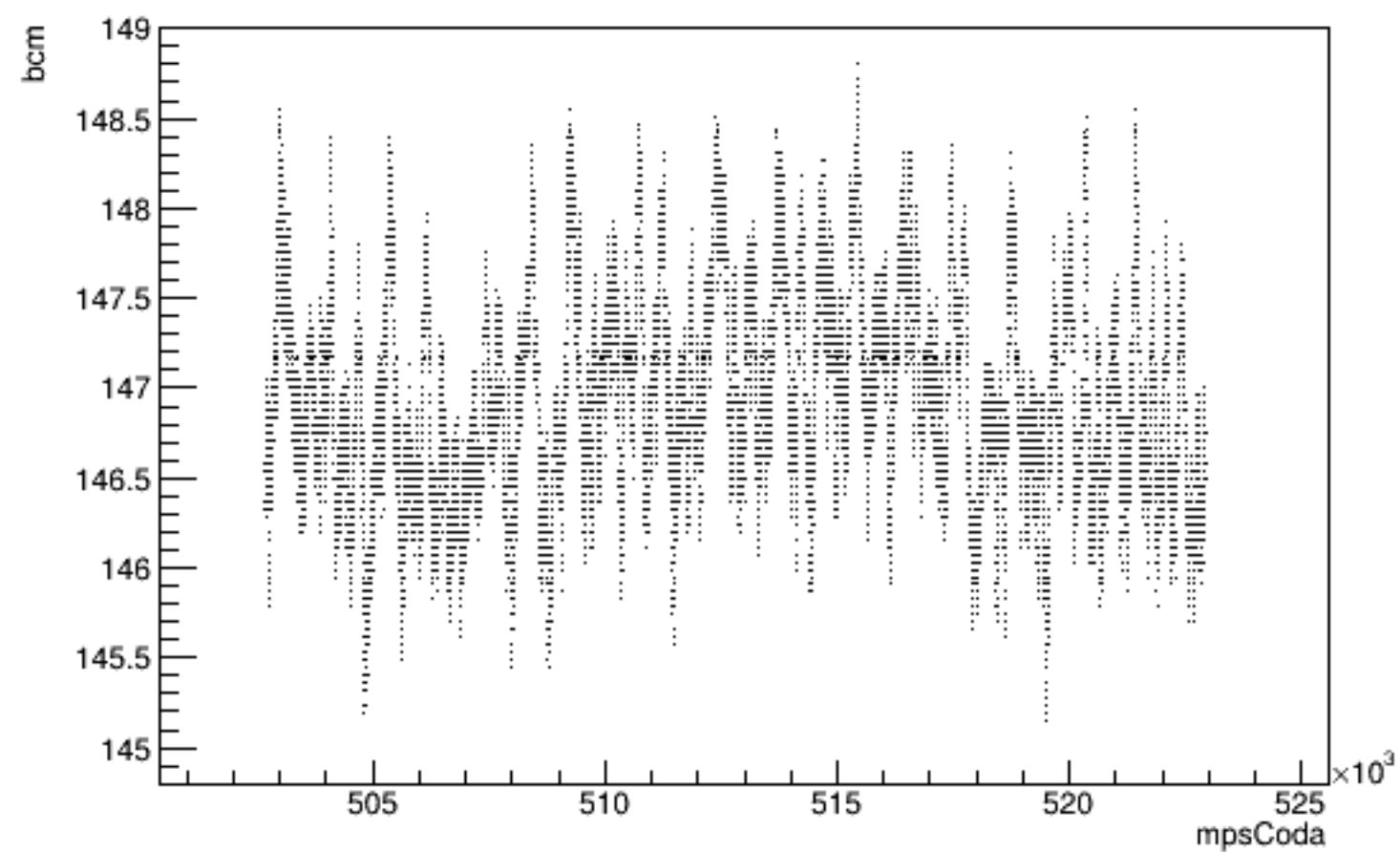
beamState + 1:mpsCoda {mpsCoda&gt;=502680 &amp;&amp; mpsCoda&lt;=522935}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=502680 &amp;&amp; mpsCoda&lt;=522935}



bcm:mpsCoda {mpsCoda&gt;=502680 &amp;&amp; mpsCoda&lt;=522935}



## Cycle 18, Diffs

Entries: 1539

Mean: -0.0087 +/- 0.0106

Std Dev: 0.4175 +/- 0.0075

Entries: 1803

Mean: -0.7801 +/- 0.0128

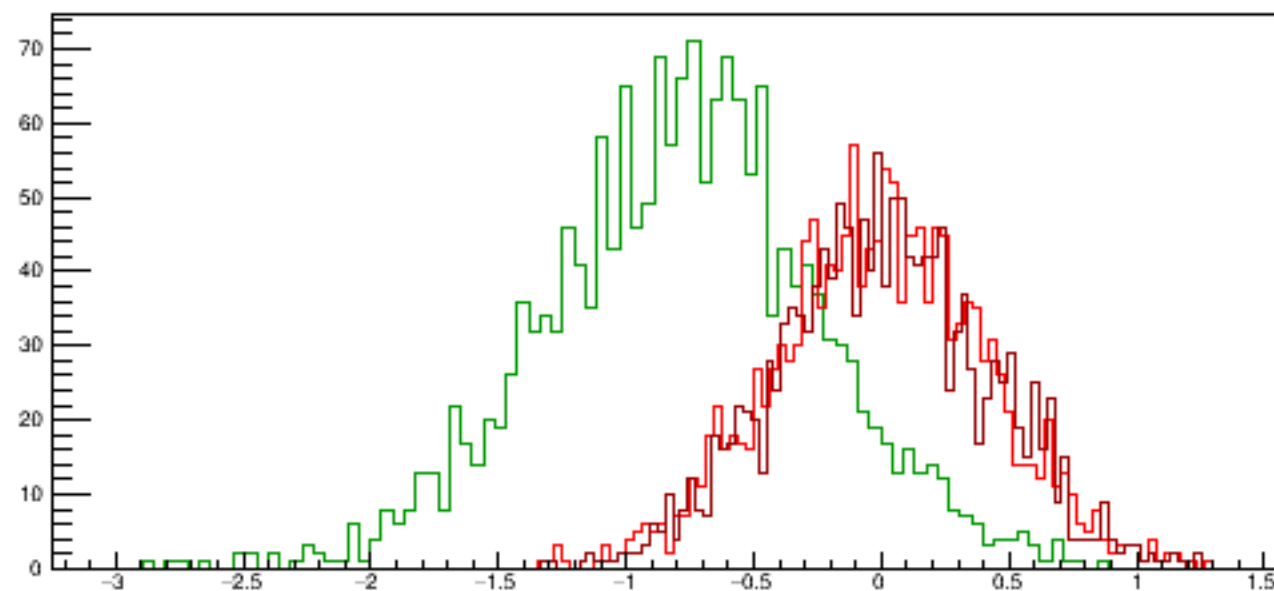
Std Dev: 0.5443 +/- 0.0091

Entries: 1544

Mean: 0.0040 +/- 0.0105

Std Dev: 0.4123 +/- 0.0074

Run 6089 quartetwise, Diffs



## Cycle 18, Sums

Entries: 1539

Mean: 6.9267 +/- 0.0107

Std Dev: 0.4216 +/- 0.0076

Entries: 1803

Mean: 31.1489 +/- 0.0163

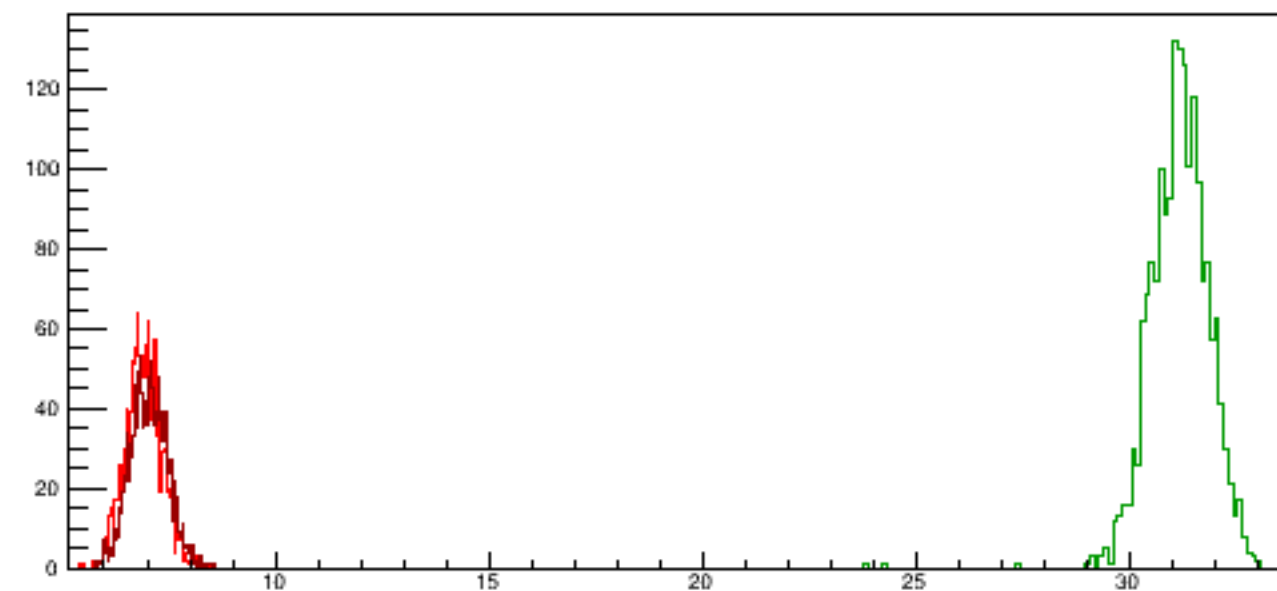
Std Dev: 0.6929 +/- 0.0115

Entries: 1544

Mean: 7.0455 +/- 0.0110

Std Dev: 0.4336 +/- 0.0078

Run 6089 quartetwise, Sums



## Cycle 18, Asyms

Entries: 1539

Mean: -0.0004 +/- 0.0004

Std Dev: 0.0173 +/- 0.0003

Entries: 1803

Mean: -0.0323 +/- 0.0005

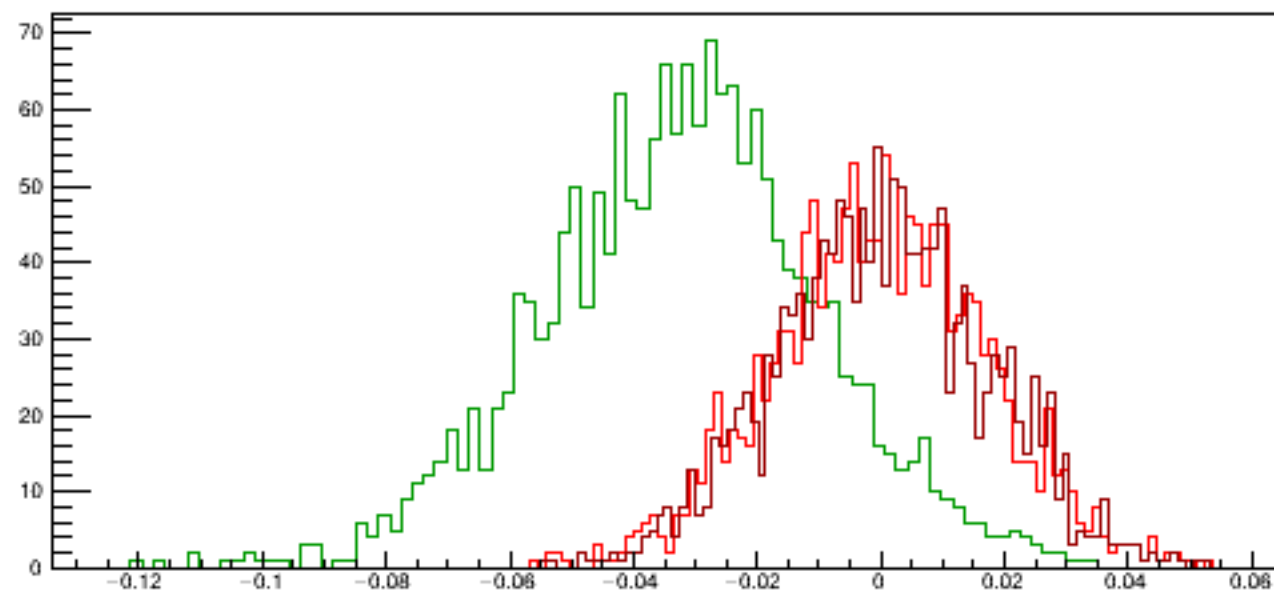
Std Dev: 0.0225 +/- 0.0004

Entries: 1544

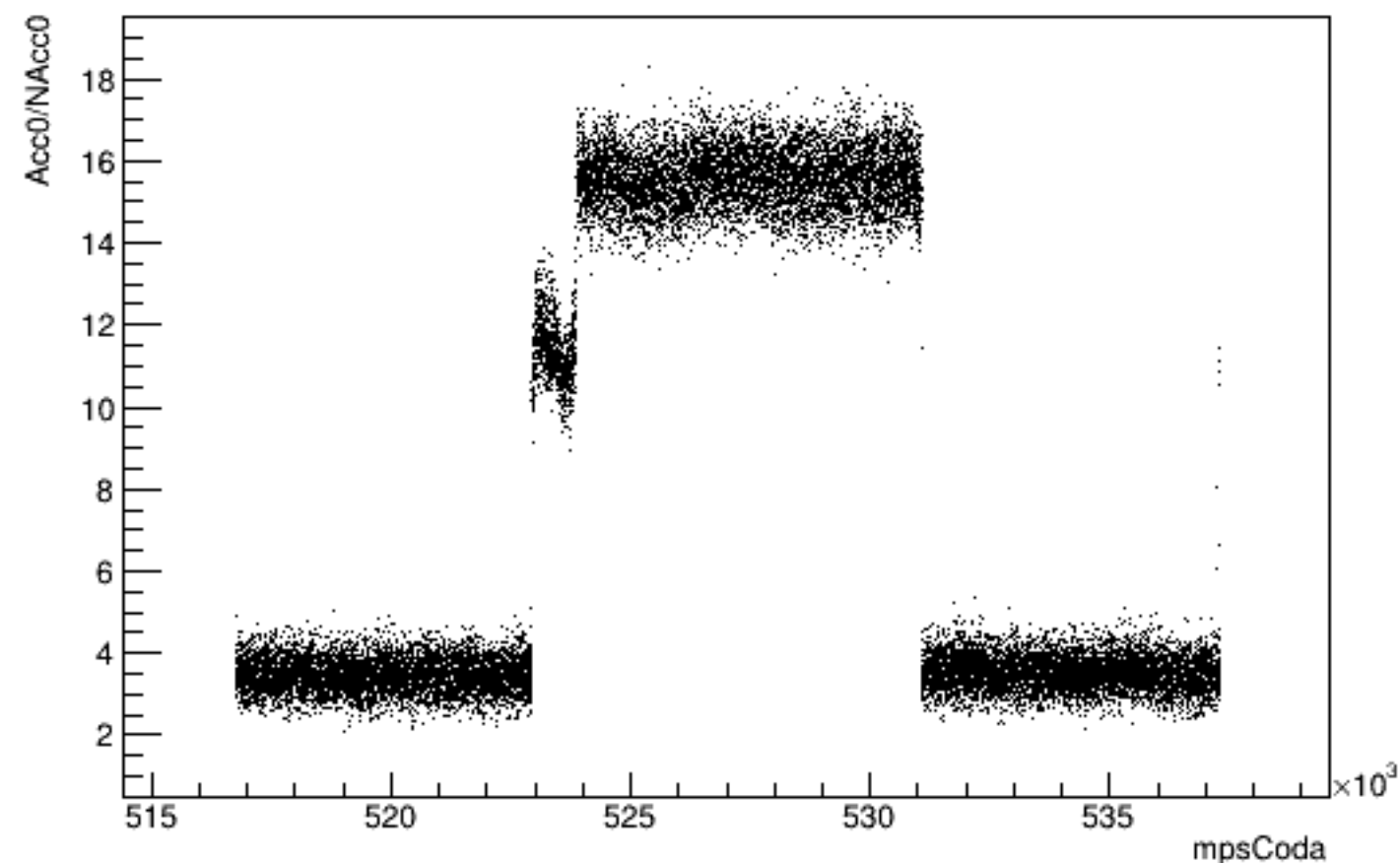
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0171 +/- 0.0003

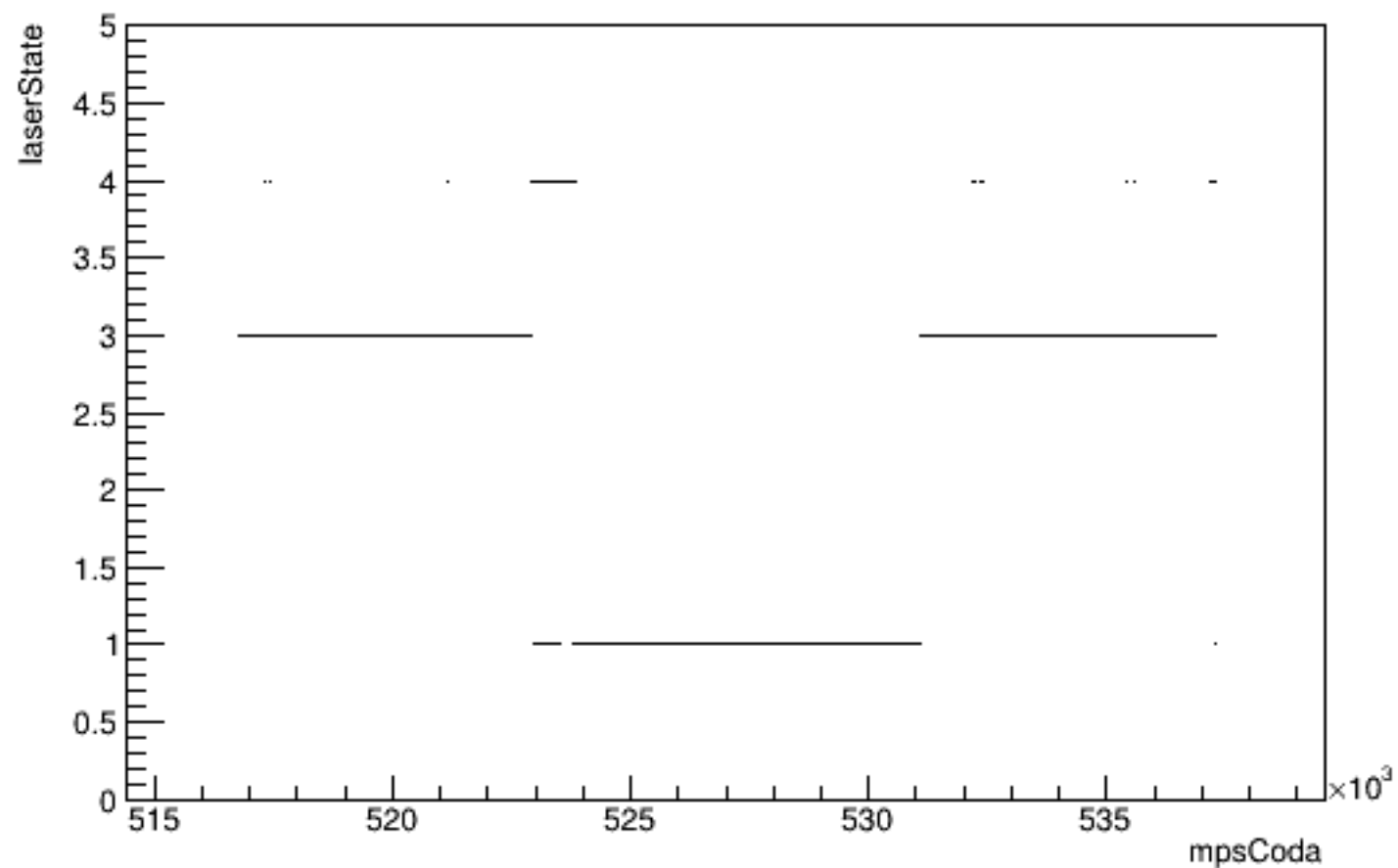
Run 6089 quartetwise, Asyms



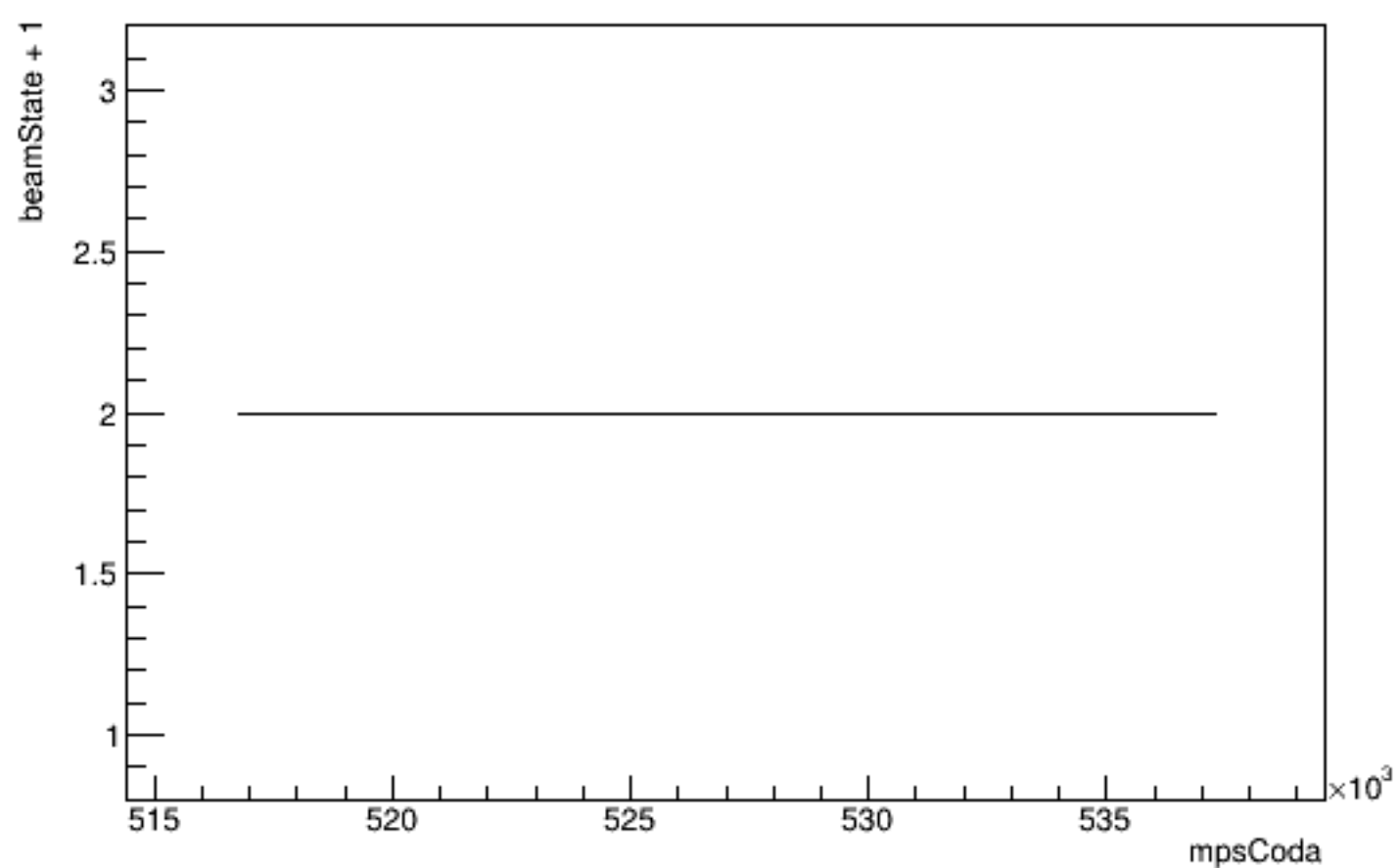
Acc0/NAcc0:mpsCoda (mpsCoda>=516756 && mpsCoda<=537299 && beamState==1)



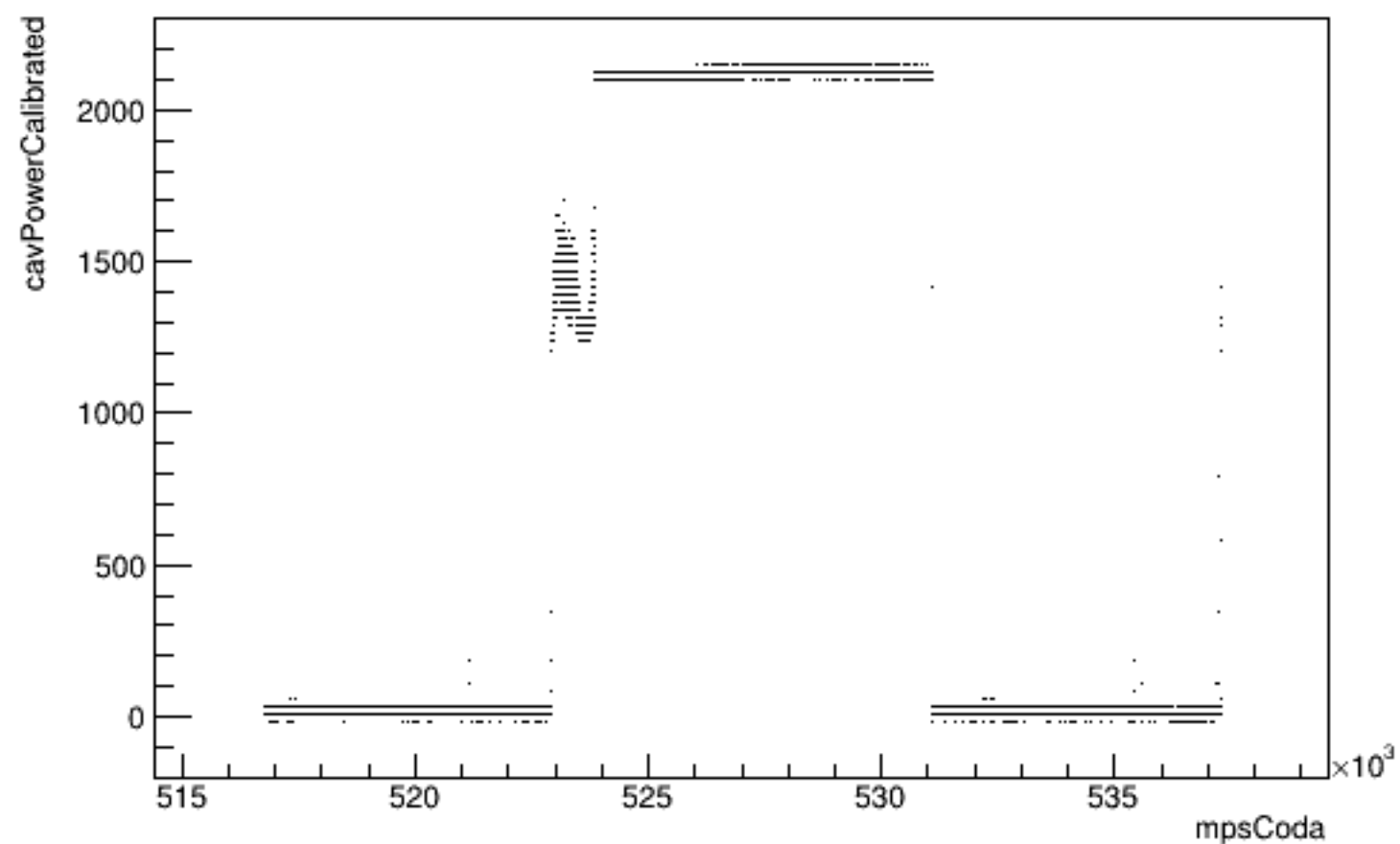
laserState:mpsCoda {mpsCoda&gt;=516756 &amp;&amp; mpsCoda&lt;=537299}



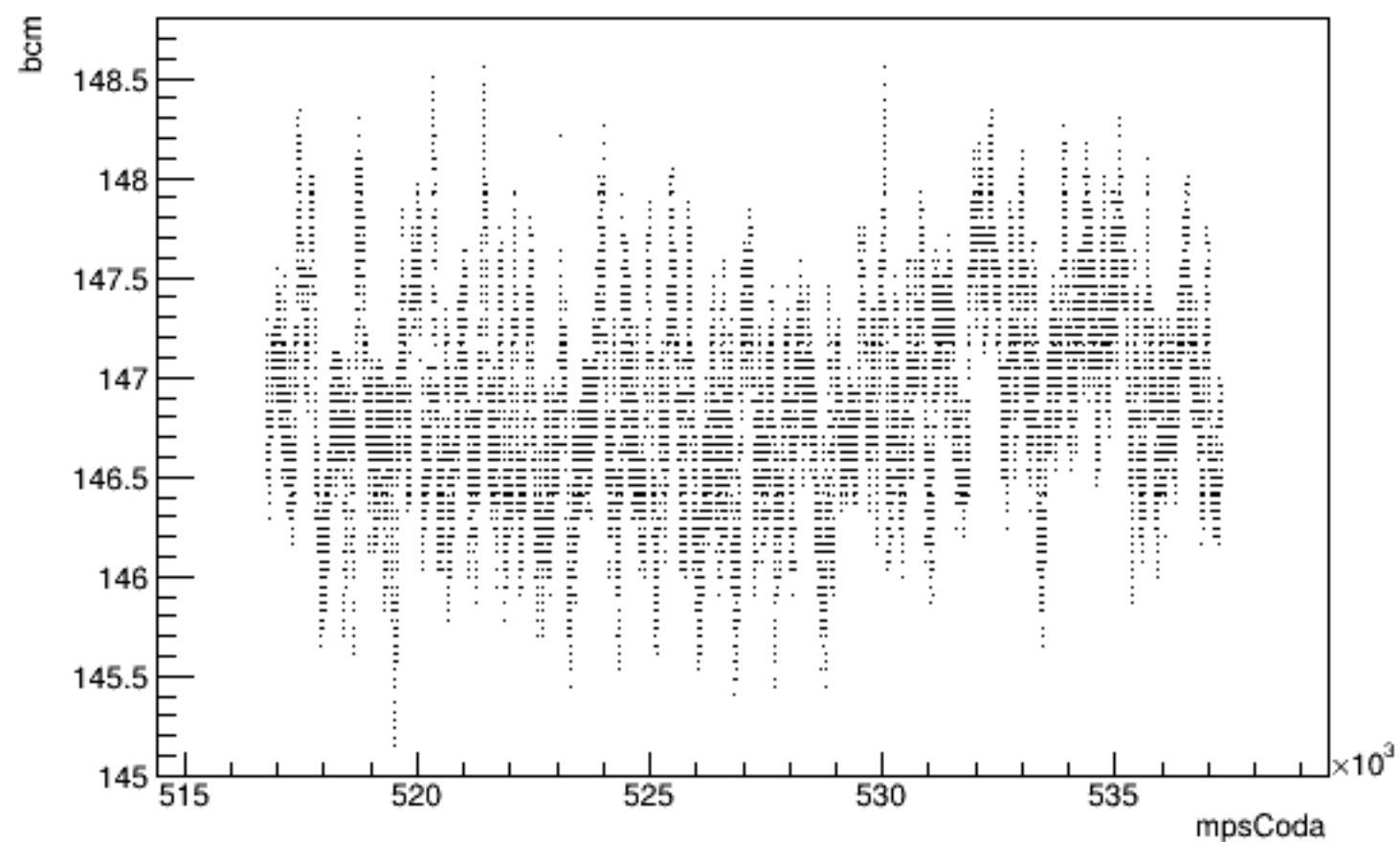
beamState + 1:mpsCoda {mpsCoda&gt;=516756 &amp;&amp; mpsCoda&lt;=537299}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=516756 &amp;&amp; mpsCoda&lt;=537299}



bcm:mpsCoda {mpsCoda&gt;=516756 &amp;&amp; mpsCoda&lt;=537299}



# Cycle 19, Diffs

Entries: 1544

Mean: 0.0040 +/- 0.0105

Std Dev: 0.4123 +/- 0.0074

Entries: 1807

Mean: -0.7785 +/- 0.0126

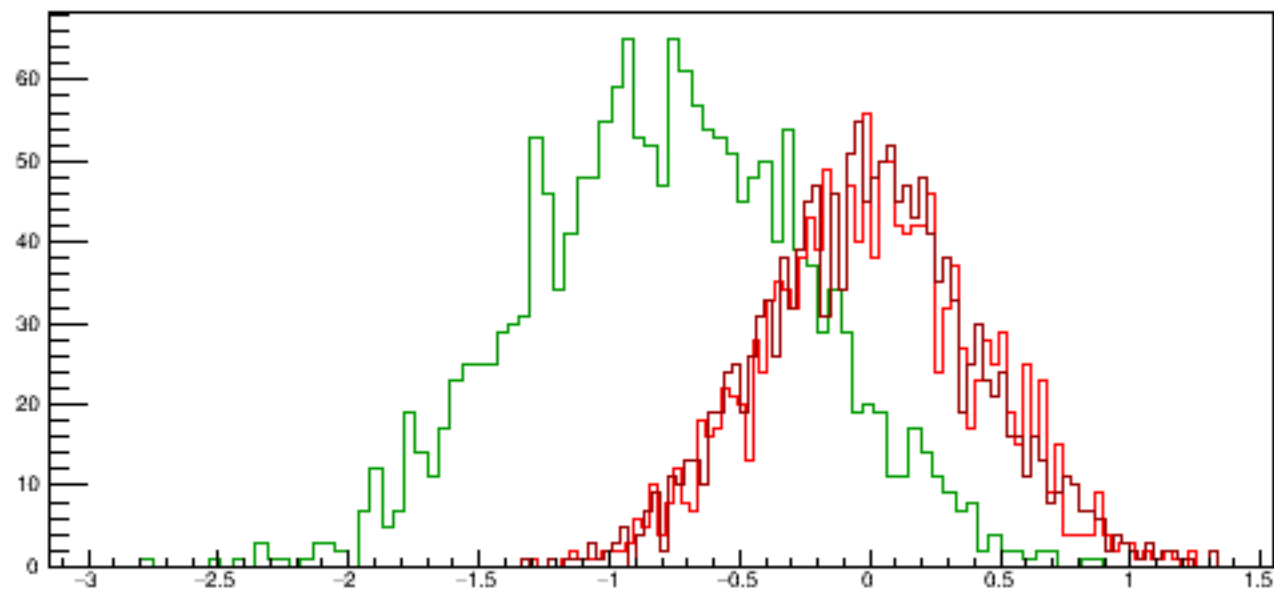
Std Dev: 0.5371 +/- 0.0089

Entries: 1559

Mean: -0.0027 +/- 0.0104

Std Dev: 0.4114 +/- 0.0074

Run 6089 quartetwise, Diffs



# Cycle 19, Sums

Entries: 1544

Mean: 7.0455 +/- 0.0110

Std Dev: 0.4336 +/- 0.0078

Entries: 1807

Mean: 31.2242 +/- 0.0171

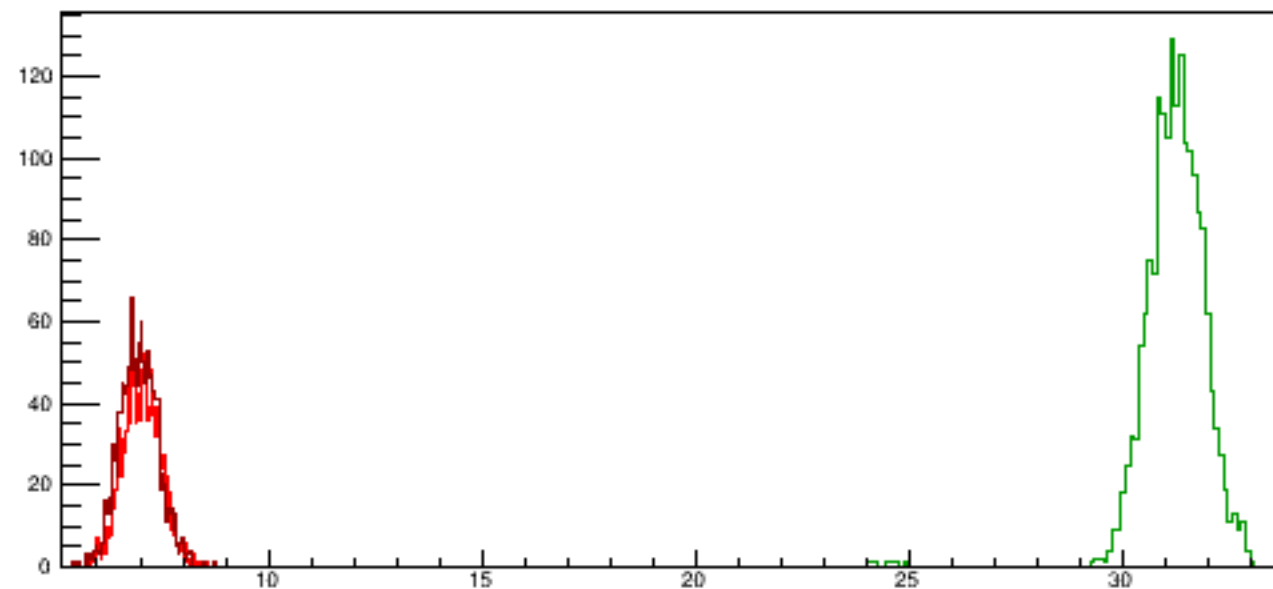
Std Dev: 0.7248 +/- 0.0121

Entries: 1559

Mean: 6.9749 +/- 0.0113

Std Dev: 0.4442 +/- 0.0080

Run 6089 quartetwise, Sums



# Cycle 19, Asyms

Entries: 1544

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

Entries: 1807

Mean: -0.0322 +/- 0.0005

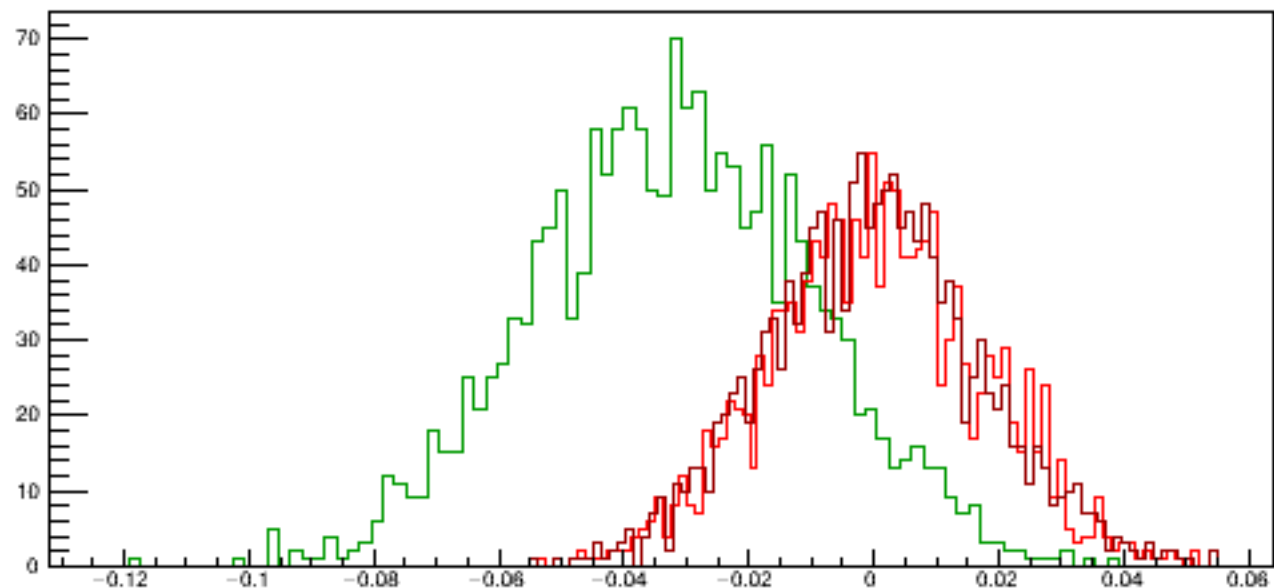
Std Dev: 0.0222 +/- 0.0004

Entries: 1559

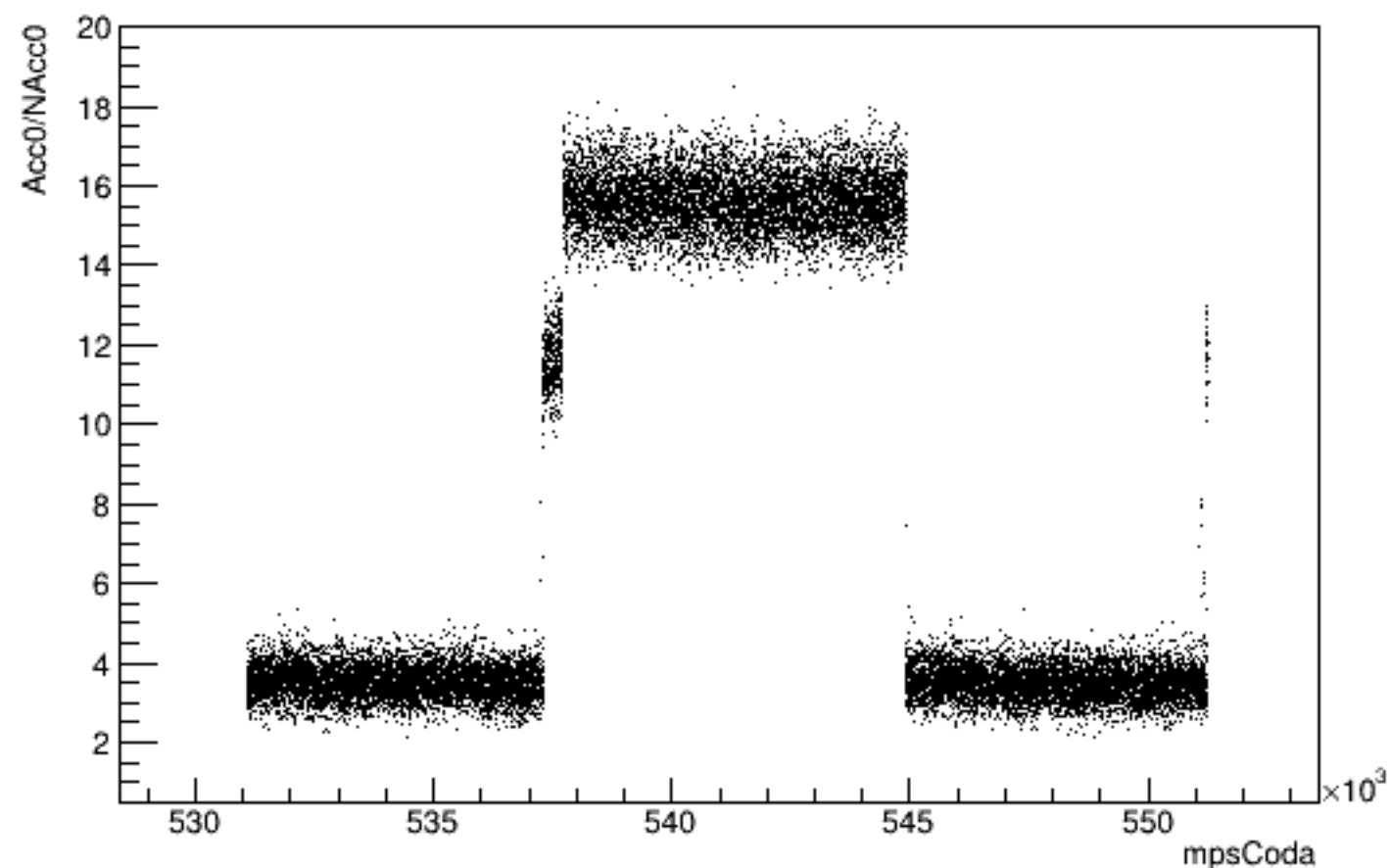
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

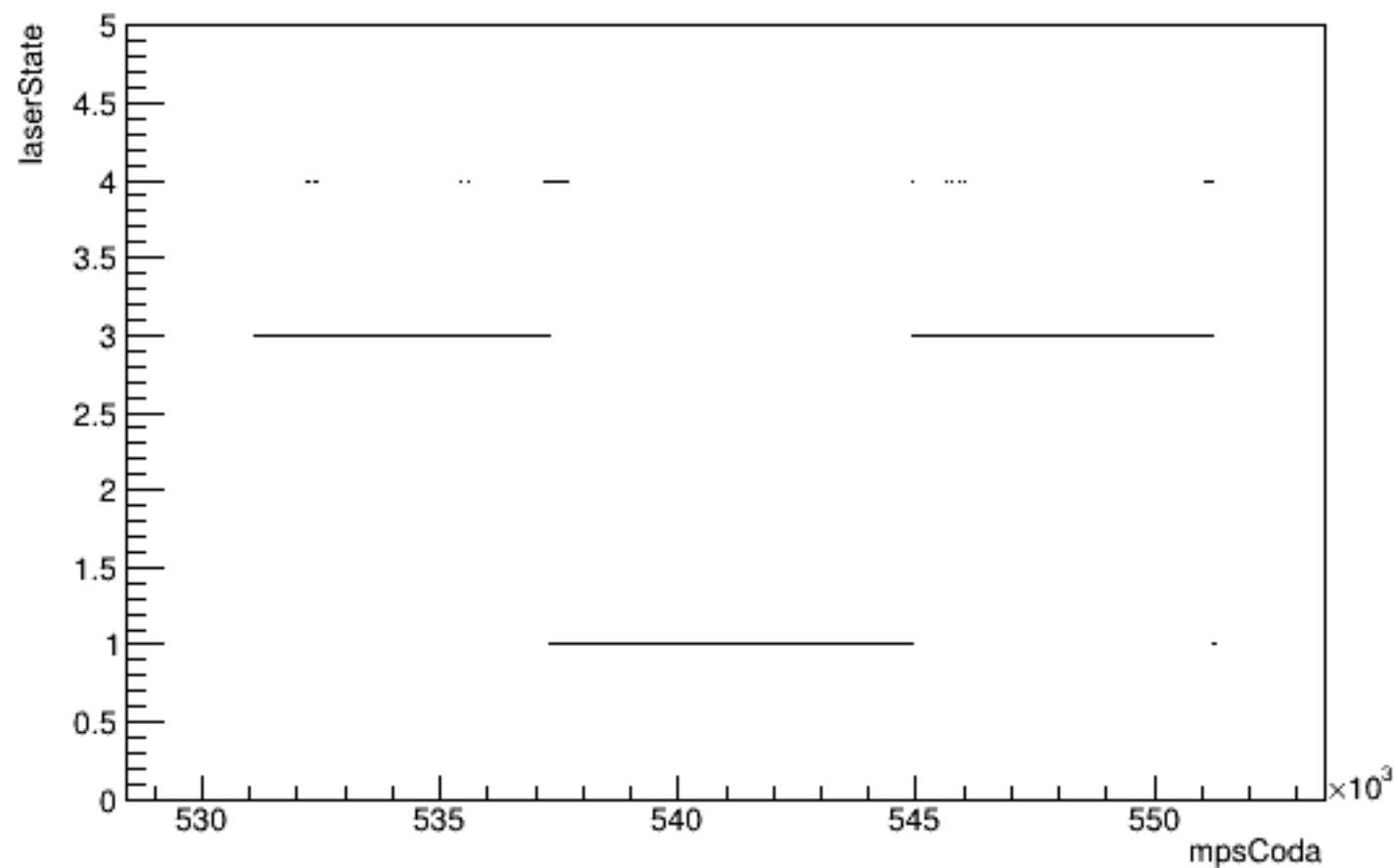
Run 6089 quartetwise, Asyms



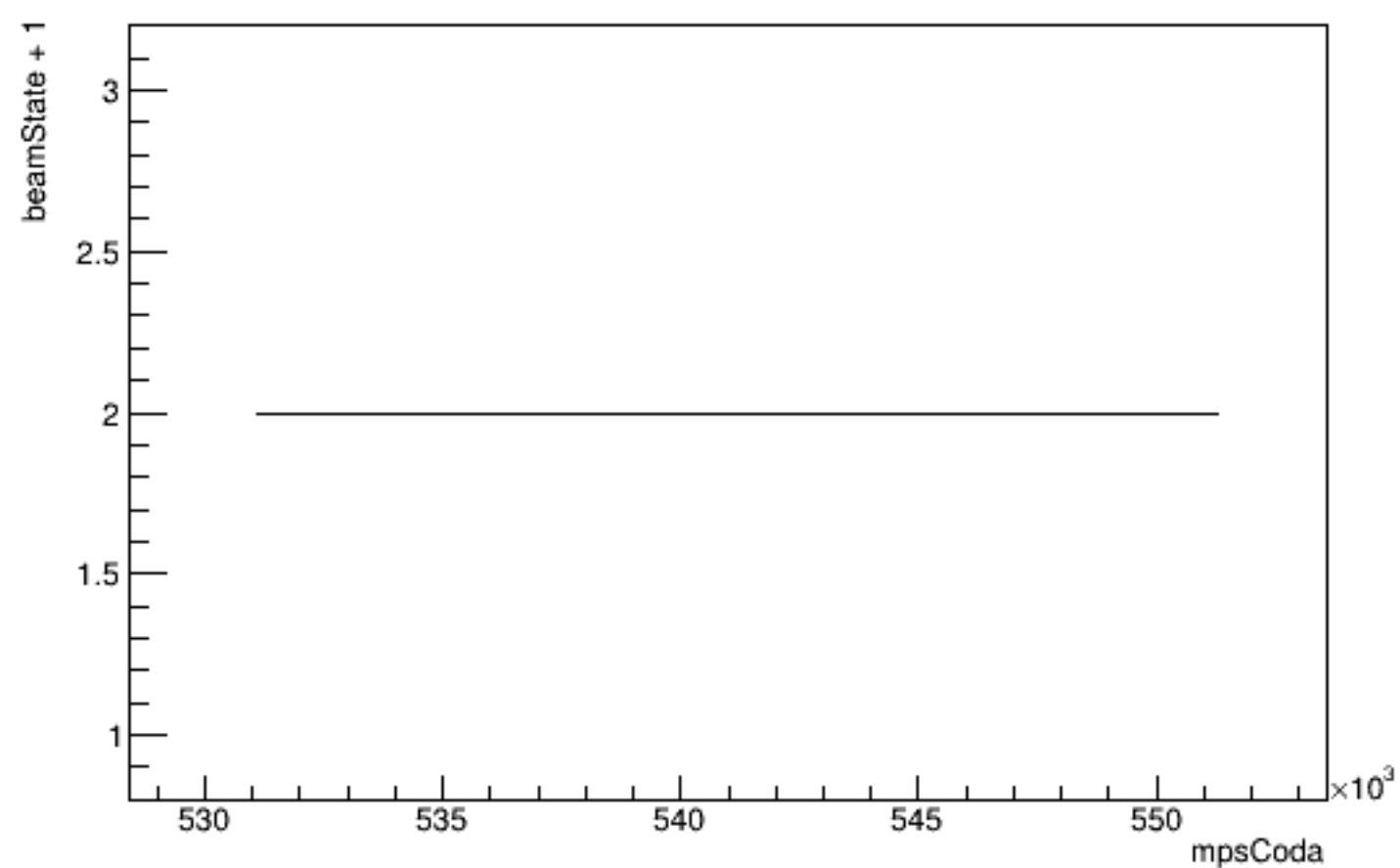
Acc0/NAcc0:mpsCoda (mpsCoda>=531076 && mpsCoda<=551263 && beamState==1)



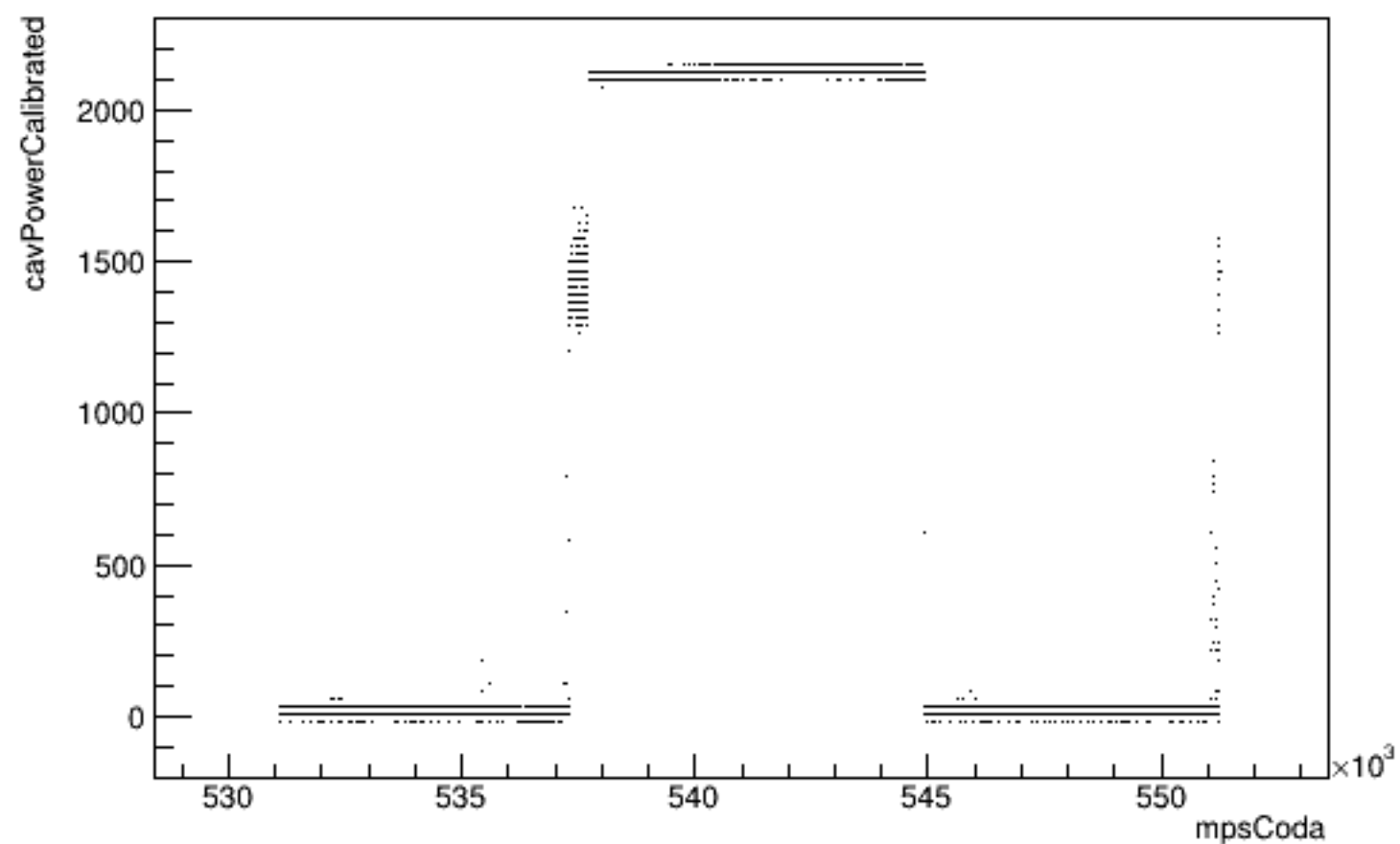
laserState:mpsCoda {mpsCoda&gt;=531076 &amp;&amp; mpsCoda&lt;=551263}



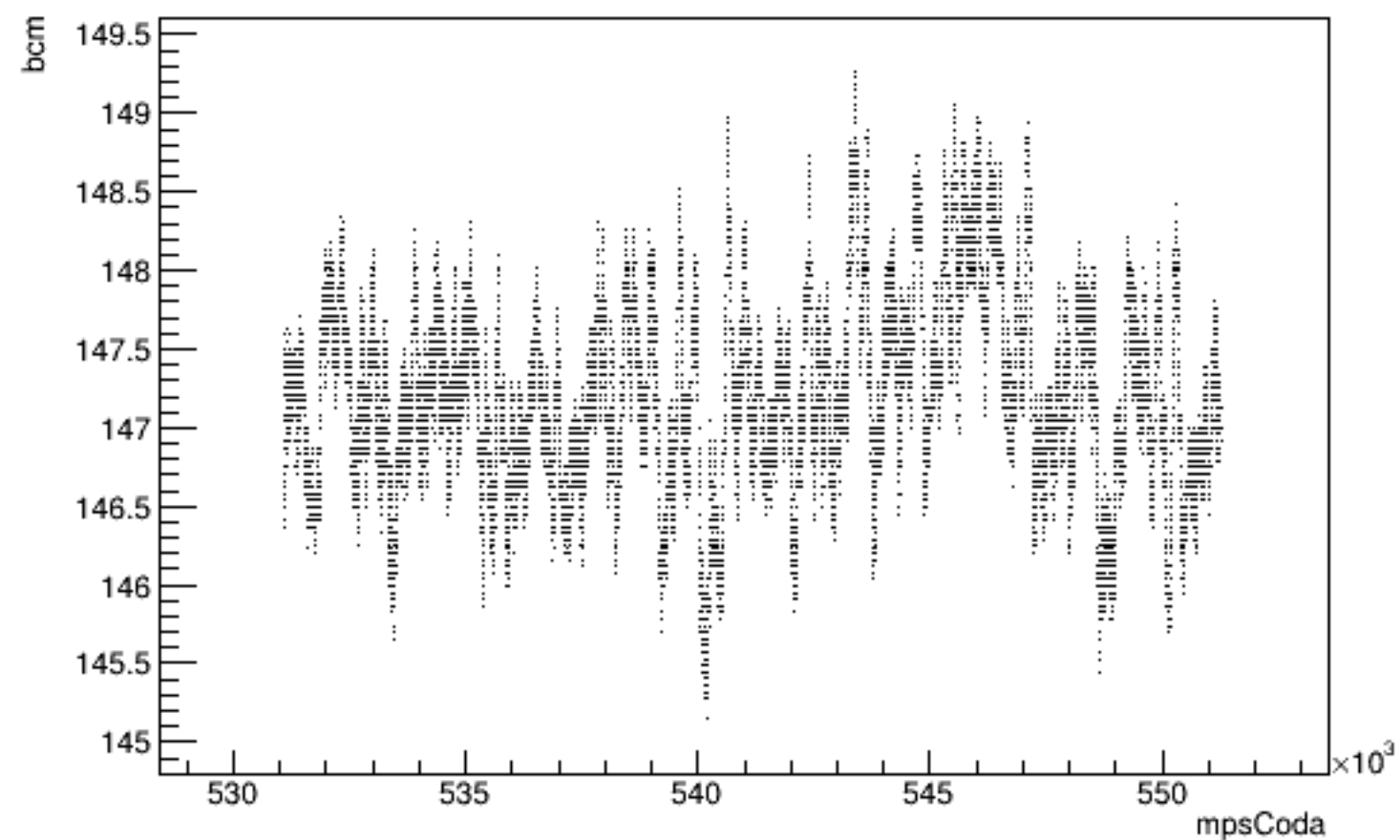
beamState + 1:mpsCoda {mpsCoda&gt;=531076 &amp;&amp; mpsCoda&lt;=551263}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=531076 &amp;&amp; mpsCoda&lt;=551263}



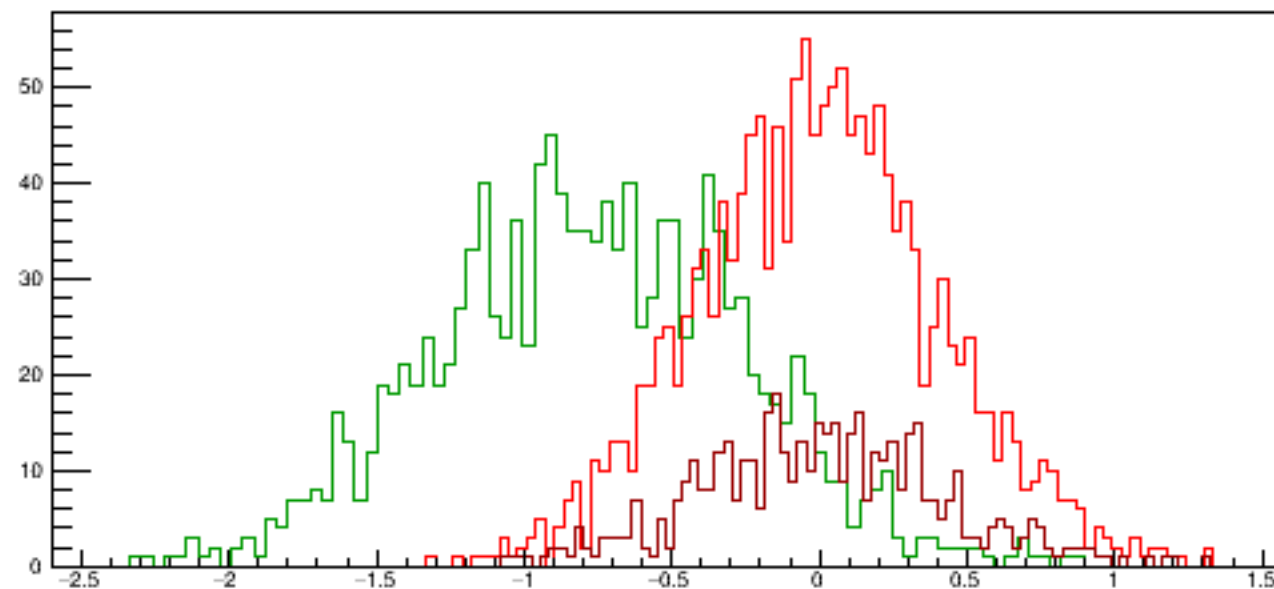
bcm:mpsCoda {mpsCoda&gt;=531076 &amp;&amp; mpsCoda&lt;=551263}



# Cycle 20, Diffs

<b>Entries: 1559</b>	<b>Entries: 1299</b>	<b>Entries: 479</b>
<b>Mean: -0.0027 +/- 0.0104</b>	<b>Mean: -0.7691 +/- 0.0144</b>	<b>Mean: 0.0080 +/- 0.0189</b>
<b>Std Dev: 0.4114 +/- 0.0074</b>	<b>Std Dev: 0.5189 +/- 0.0102</b>	<b>Std Dev: 0.4132 +/- 0.0134</b>

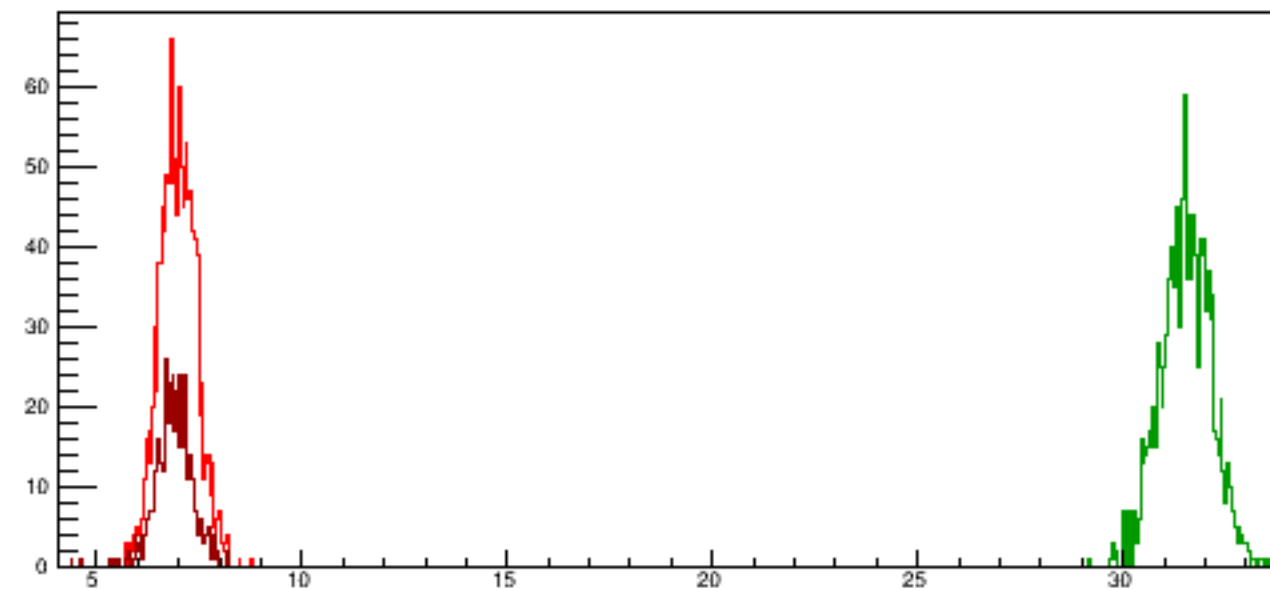
Run 6089 quartetwise, Diffs



# Cycle 20, Sums

<b>Entries: 1559</b>	<b>Entries: 1299</b>	<b>Entries: 479</b>
<b>Mean: 6.9749 +/- 0.0113</b>	<b>Mean: 31.5370 +/- 0.0172</b>	<b>Mean: 6.8677 +/- 0.0216</b>
<b>Std Dev: 0.4442 +/- 0.0080</b>	<b>Std Dev: 0.6185 +/- 0.0121</b>	<b>Std Dev: 0.4728 +/- 0.0153</b>

Run 6089 quartetwise, Sums

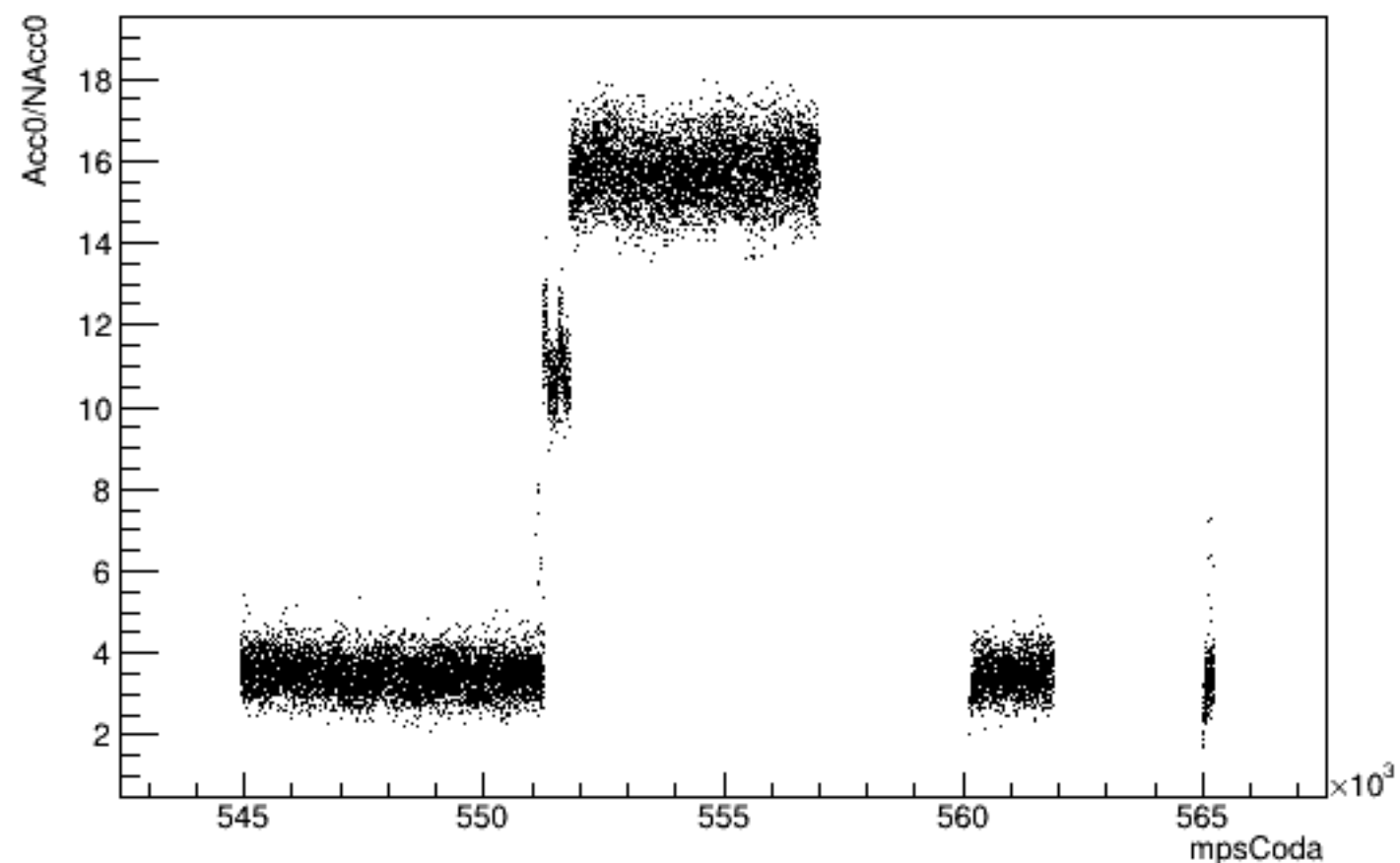
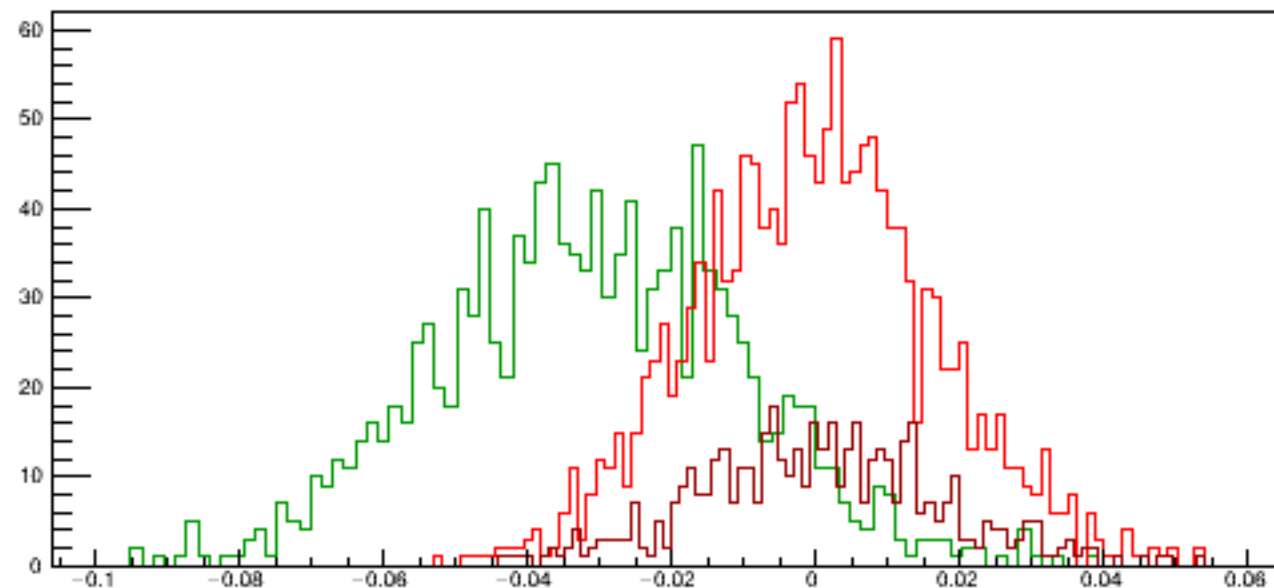


Acc0/NAcc0:mpsCoda (mpsCoda>=544916 && mpsCoda<=565243 && beamState==1)

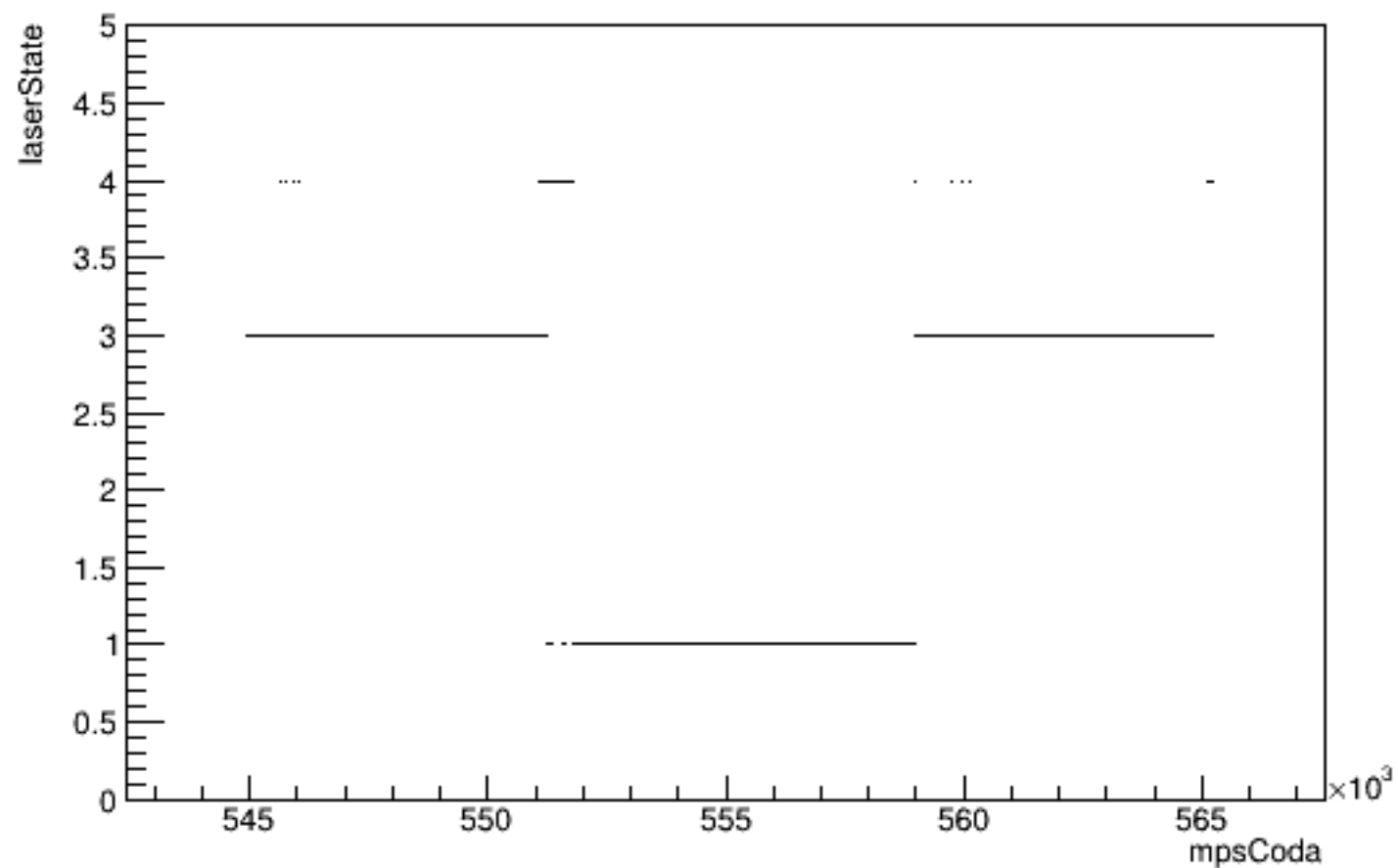
# Cycle 20, Asyms

<b>Entries: 1559</b>	<b>Entries: 1299</b>	<b>Entries: 479</b>
<b>Mean: -0.0001 +/- 0.0004</b>	<b>Mean: -0.0312 +/- 0.0006</b>	<b>Mean: 0.0003 +/- 0.0008</b>
<b>Std Dev: 0.0167 +/- 0.0003</b>	<b>Std Dev: 0.0211 +/- 0.0004</b>	<b>Std Dev: 0.0168 +/- 0.0005</b>

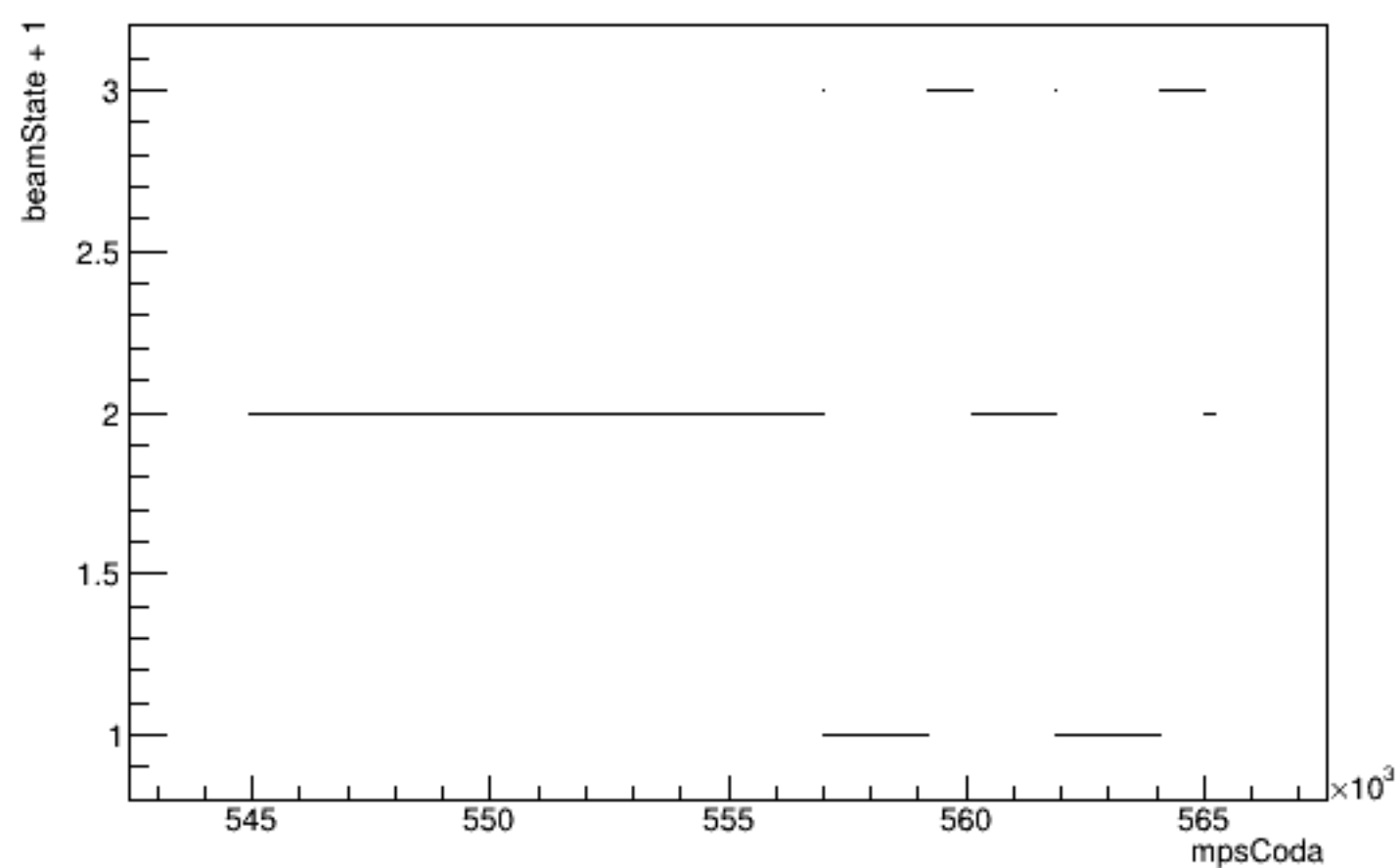
Run 6089 quartetwise, Asyms



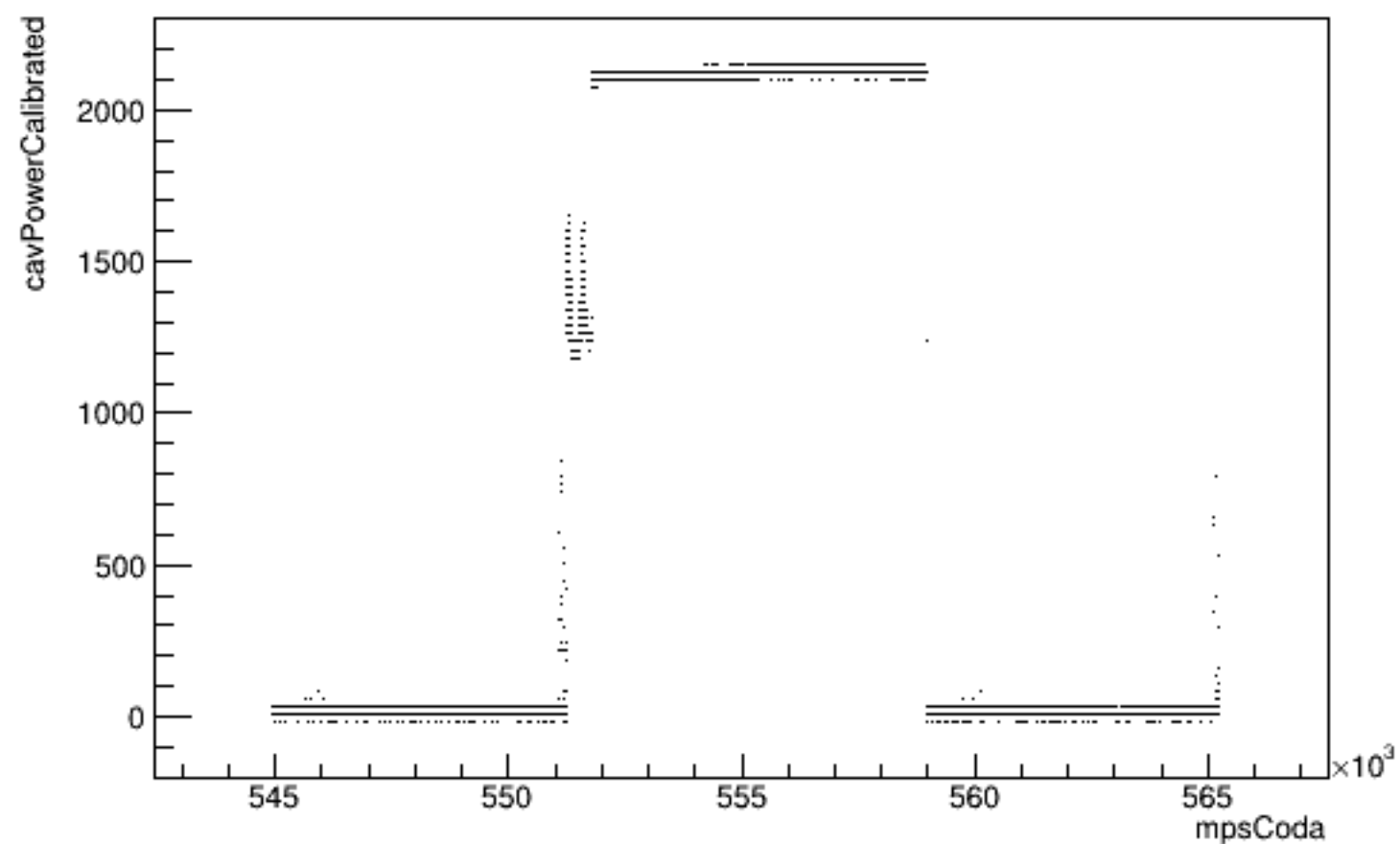
laserState:mpsCoda {mpsCoda&gt;=544916 &amp;&amp; mpsCoda&lt;=565243}



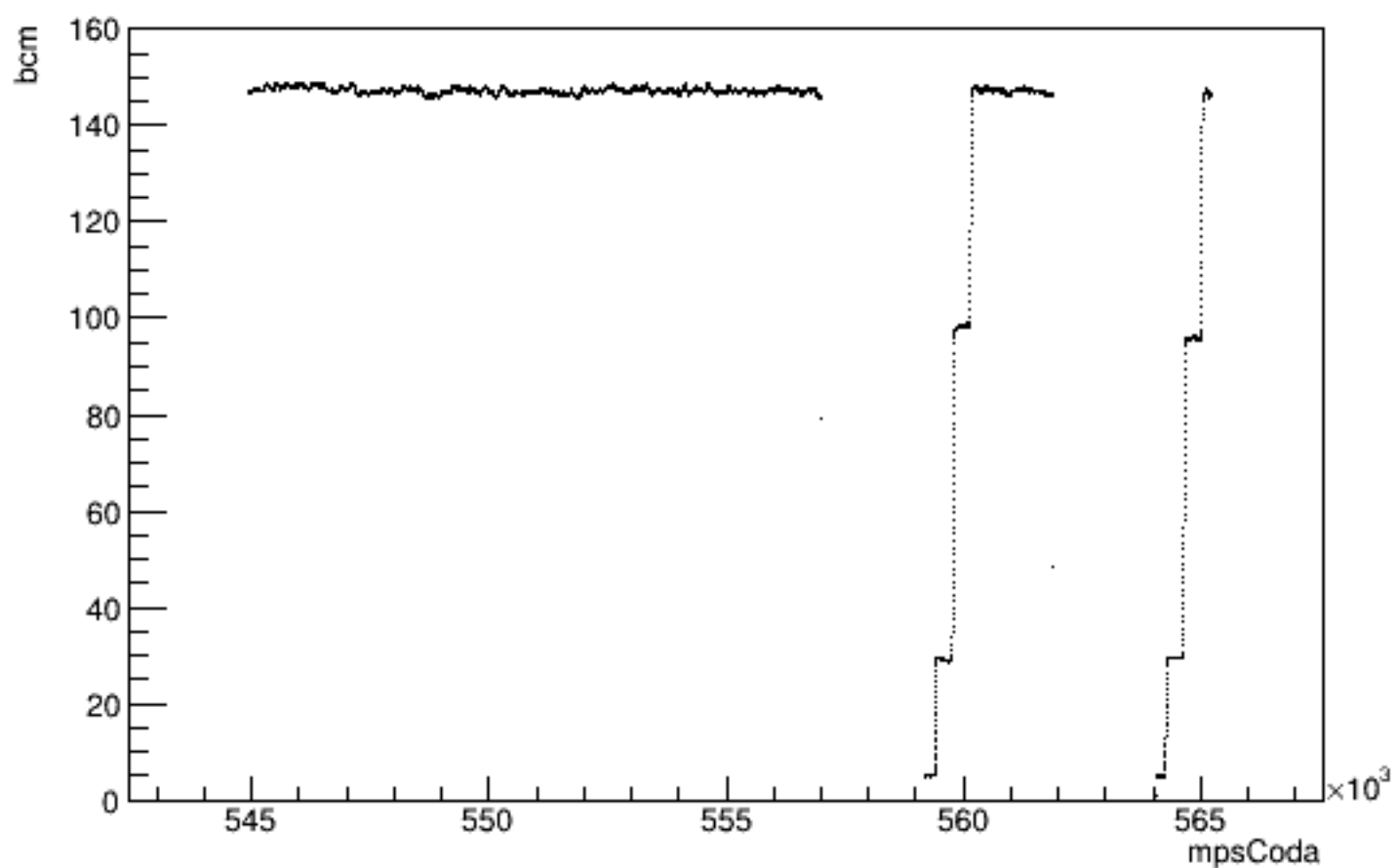
beamState + 1:mpsCoda {mpsCoda&gt;=544916 &amp;&amp; mpsCoda&lt;=565243}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=544916 &amp;&amp; mpsCoda&lt;=565243}



bcm:mpsCoda {mpsCoda&gt;=544916 &amp;&amp; mpsCoda&lt;=565243}

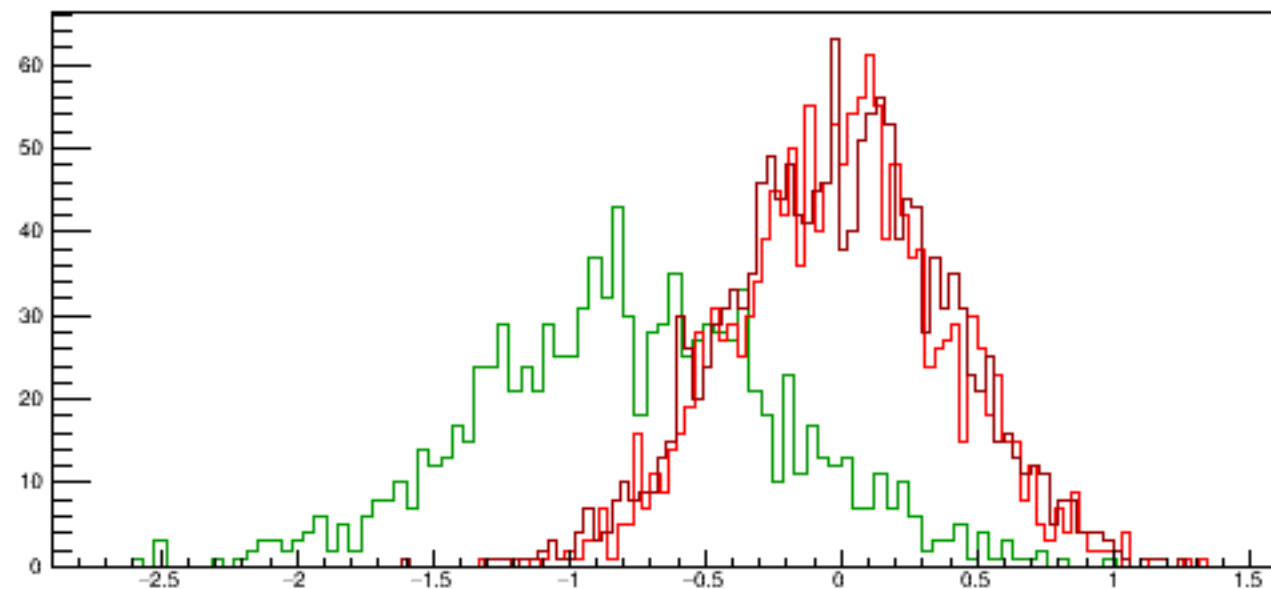




# Cycle 21, Diffs

<b>Entries: 1552</b>	<b>Entries: 1036</b>	<b>Entries: 1556</b>
<b>Mean: -0.0048 +/- 0.0099</b>	<b>Mean: -0.7730 +/- 0.0174</b>	<b>Mean: -0.0116 +/- 0.0104</b>
<b>Std Dev: 0.3887 +/- 0.0070</b>	<b>Std Dev: 0.5593 +/- 0.0123</b>	<b>Std Dev: 0.4089 +/- 0.0073</b>

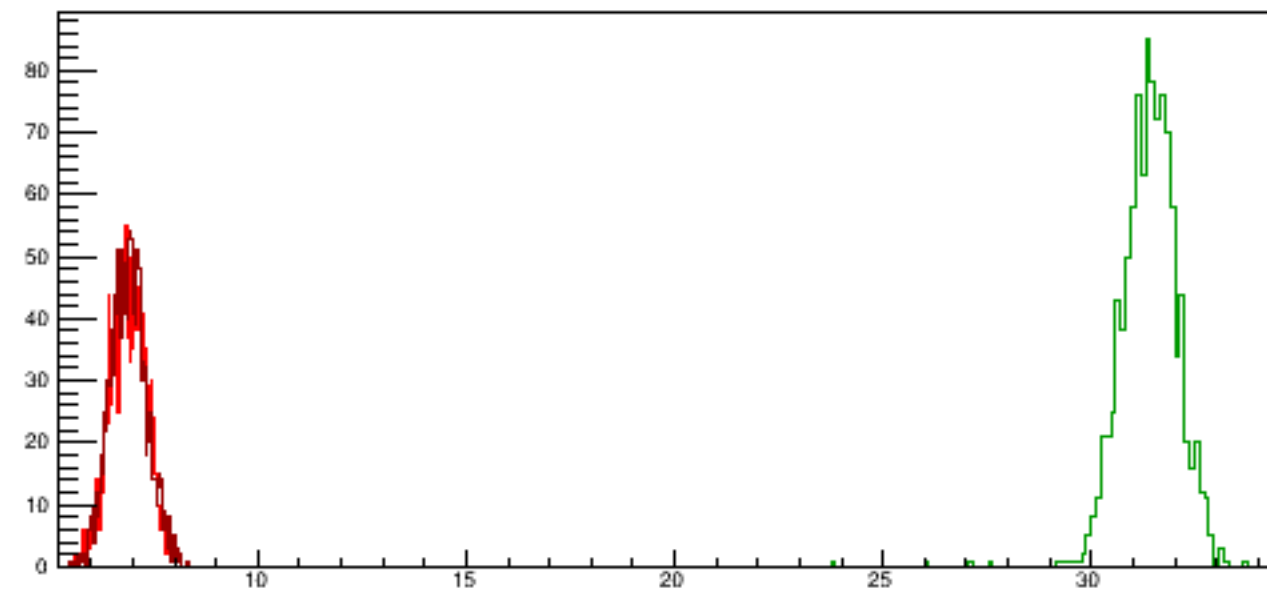
Run 6089 quartetwise, Diffs



# Cycle 21, Sums

<b>Entries: 1552</b>	<b>Entries: 1036</b>	<b>Entries: 1556</b>
<b>Mean: 6.8898 +/- 0.0110</b>	<b>Mean: 31.3946 +/- 0.0222</b>	<b>Mean: 6.8934 +/- 0.0111</b>
<b>Std Dev: 0.4345 +/- 0.0078</b>	<b>Std Dev: 0.7138 +/- 0.0157</b>	<b>Std Dev: 0.4379 +/- 0.0079</b>

Run 6089 quartetwise, Sums

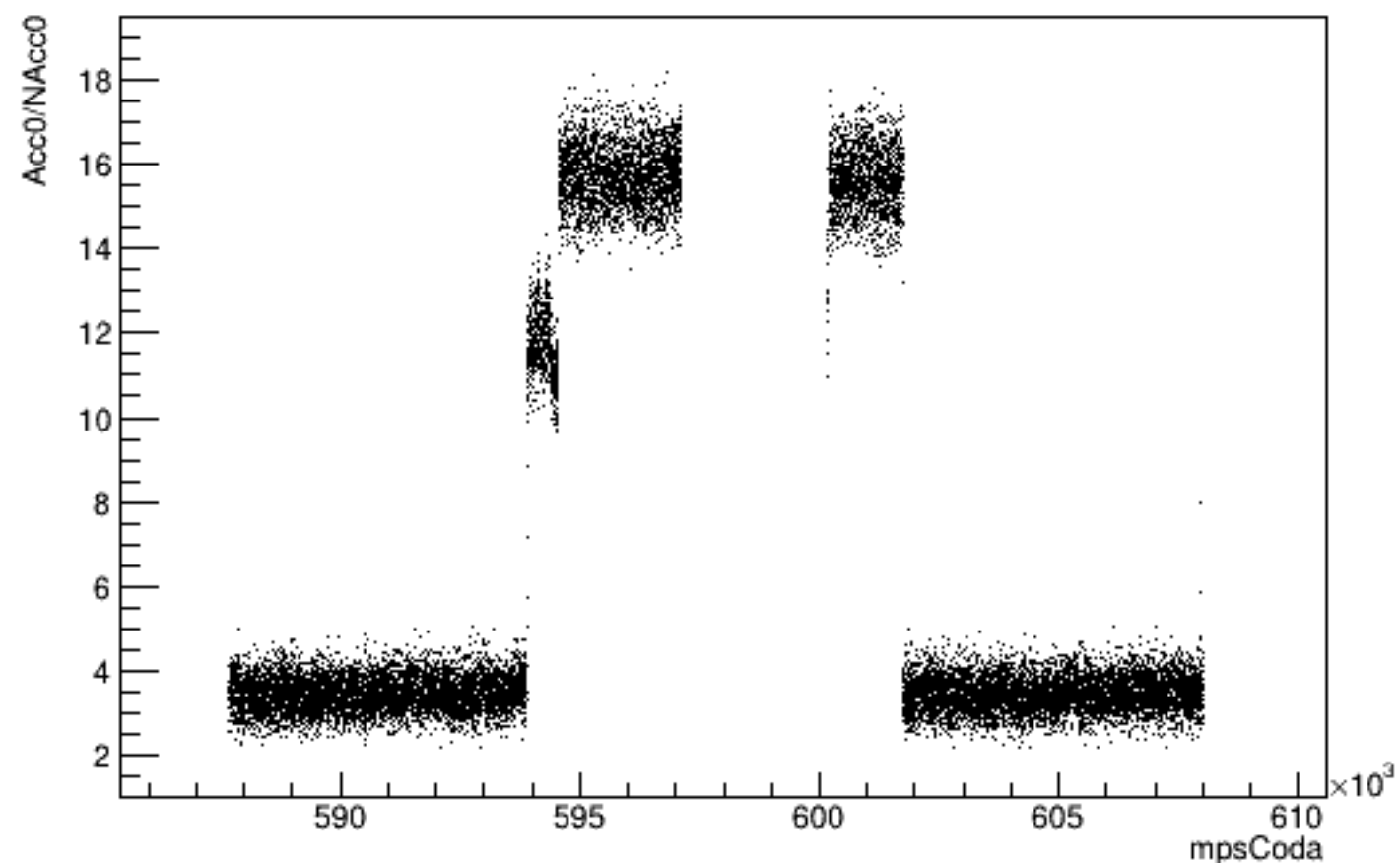
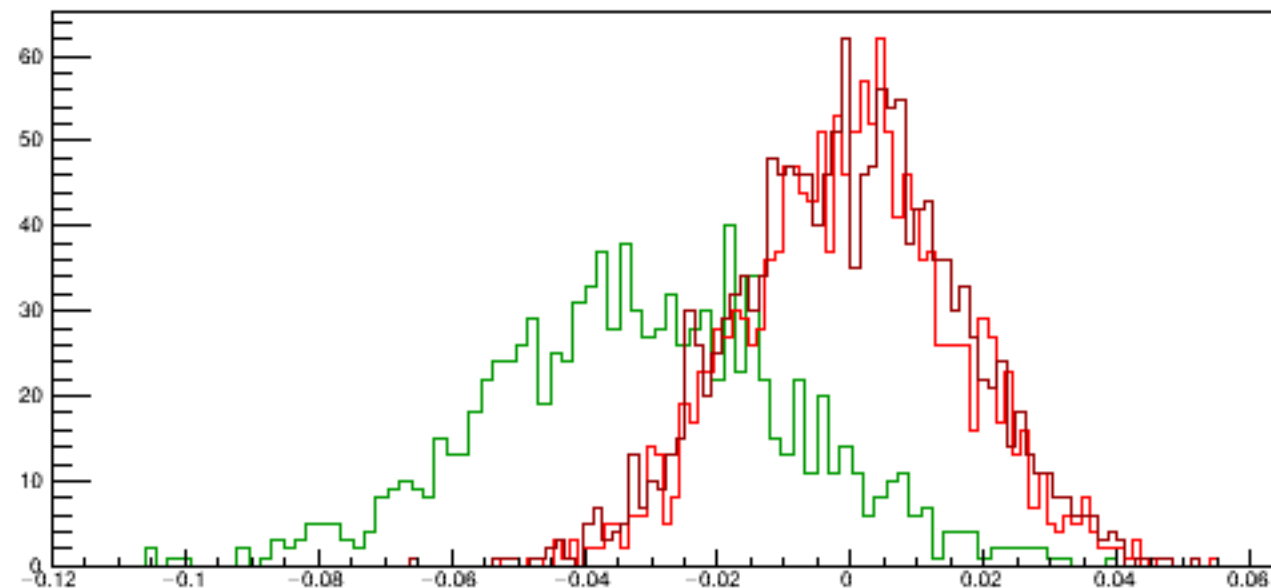


Acc0/NAcc0:mpsCoda (mpsCoda>=587672 && mpsCoda<=608011 && beamState==1)

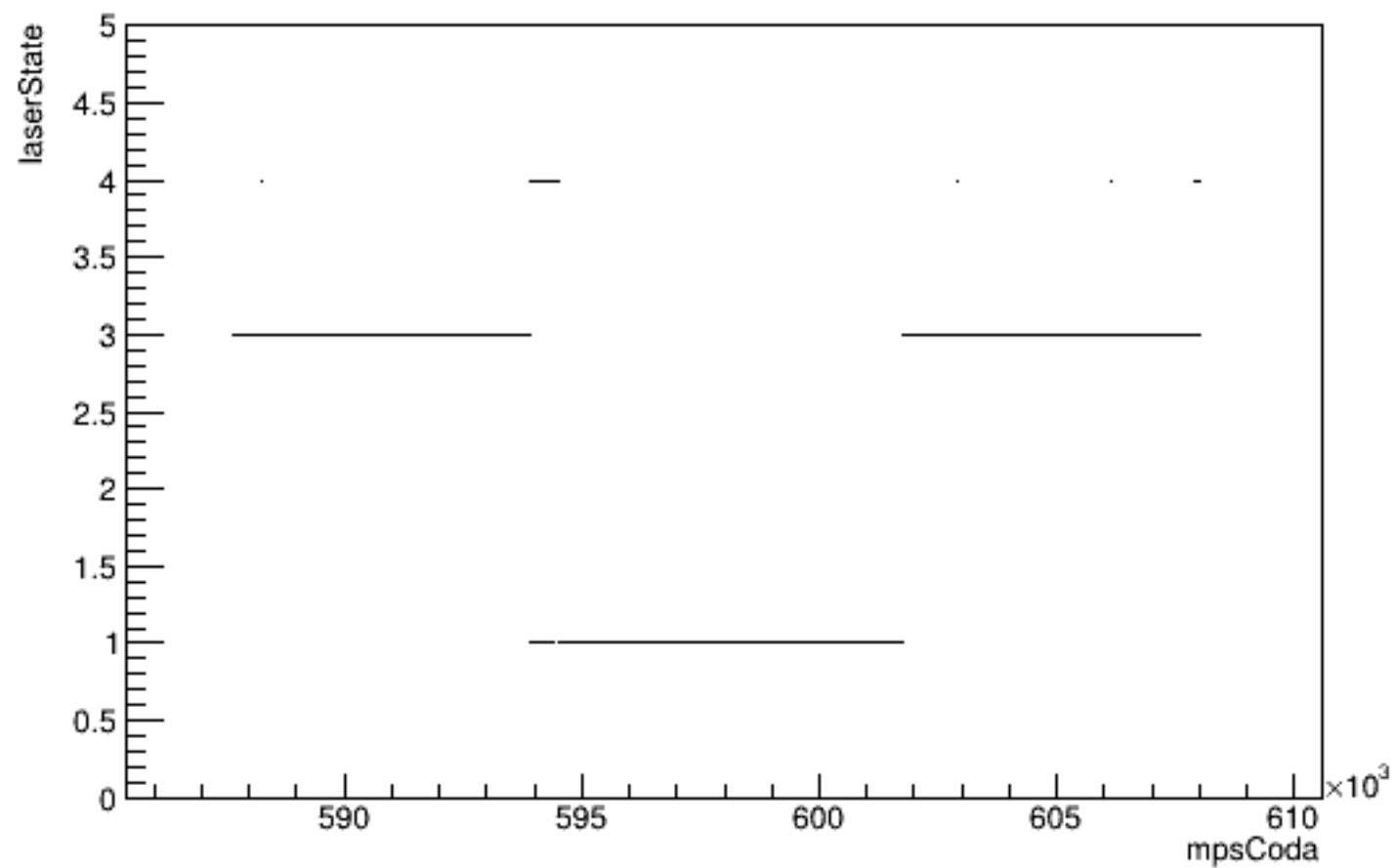
# Cycle 21, Asyms

<b>Entries: 1552</b>	<b>Entries: 1036</b>	<b>Entries: 1556</b>
<b>Mean: -0.0002 +/- 0.0004</b>	<b>Mean: -0.0316 +/- 0.0007</b>	<b>Mean: -0.0005 +/- 0.0004</b>
<b>Std Dev: 0.0159 +/- 0.0003</b>	<b>Std Dev: 0.0228 +/- 0.0005</b>	<b>Std Dev: 0.0167 +/- 0.0003</b>

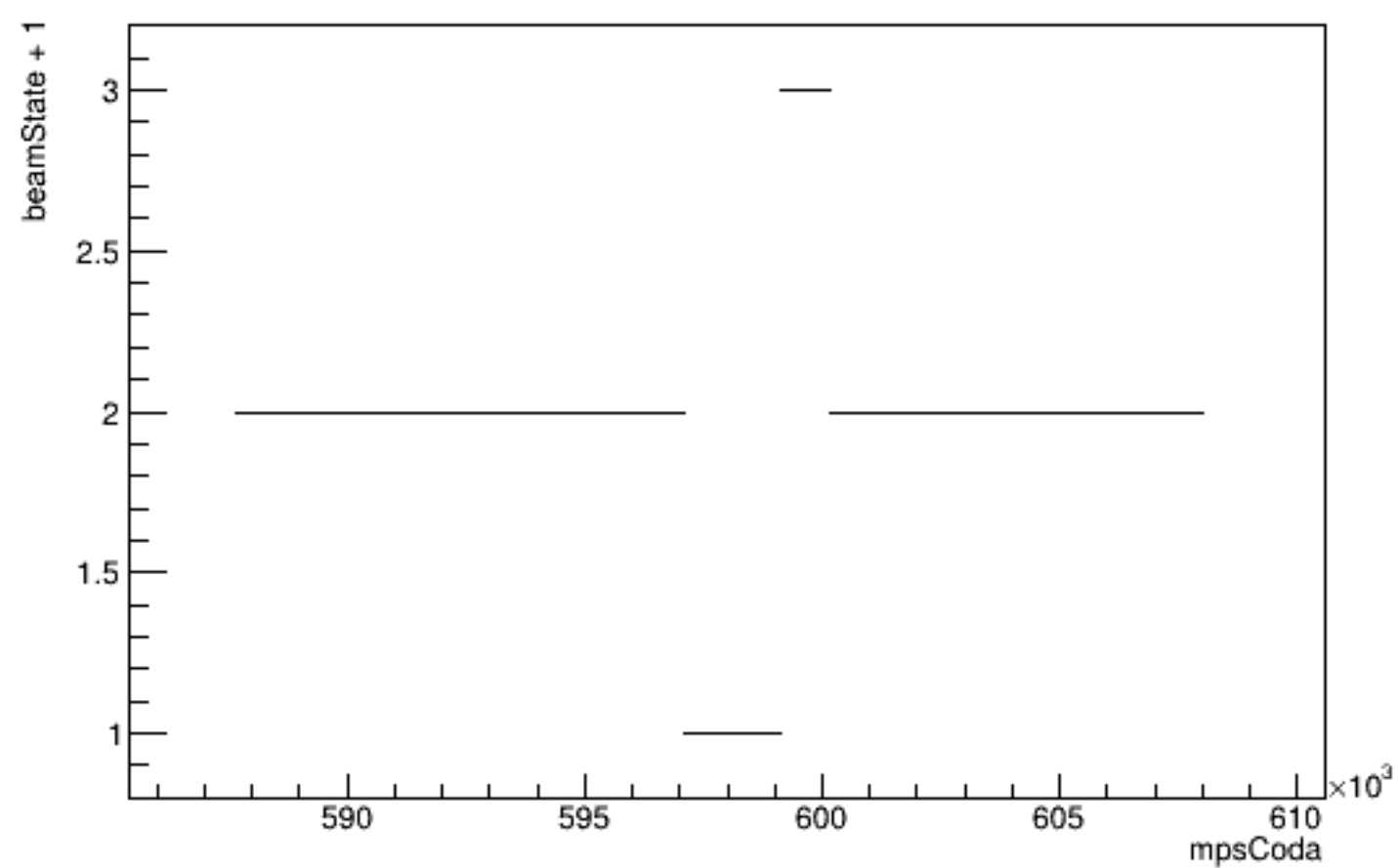
Run 6089 quartetwise, Asyms



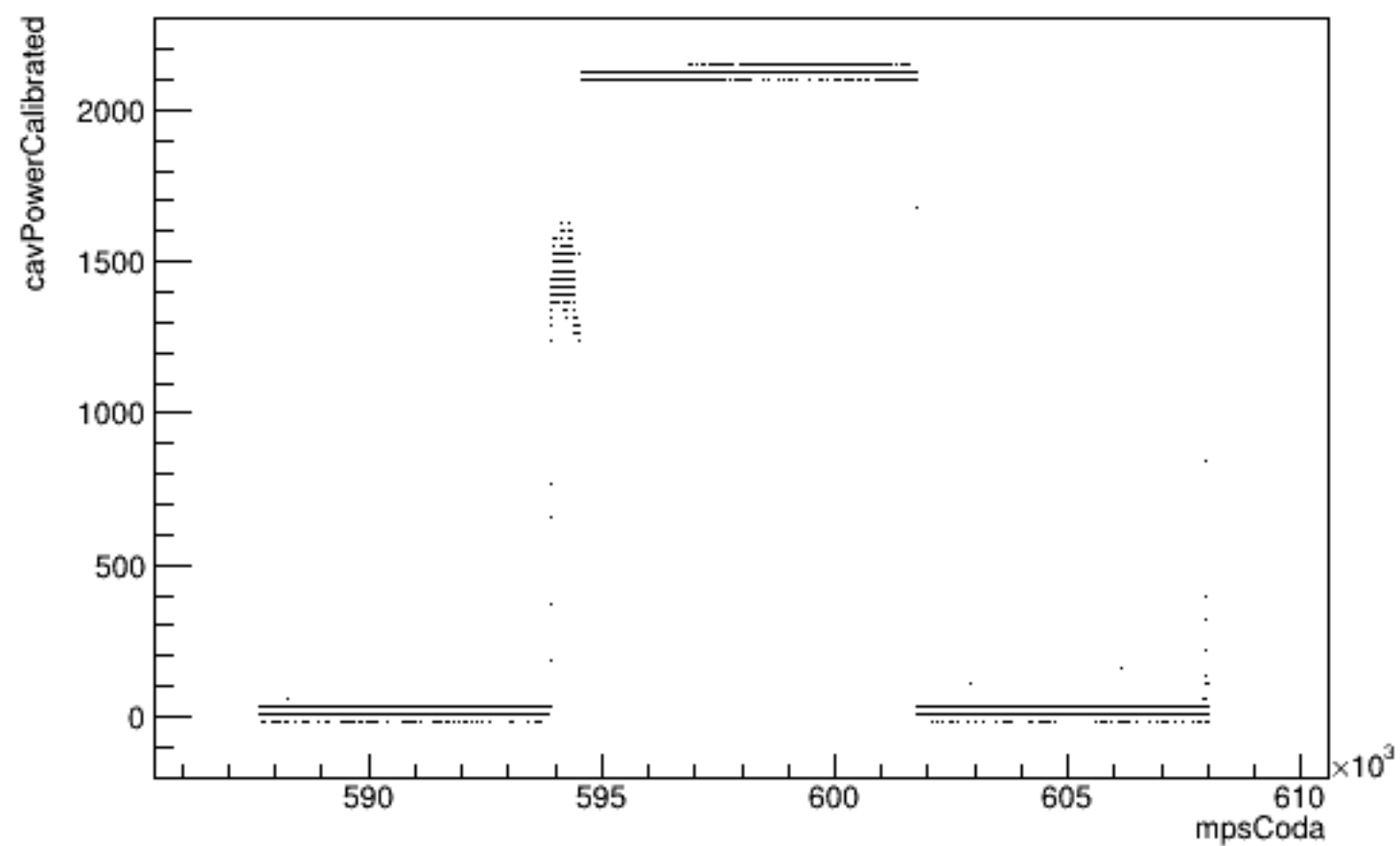
laserState:mpsCoda {mpsCoda&gt;=587672 &amp;&amp; mpsCoda&lt;=608011}



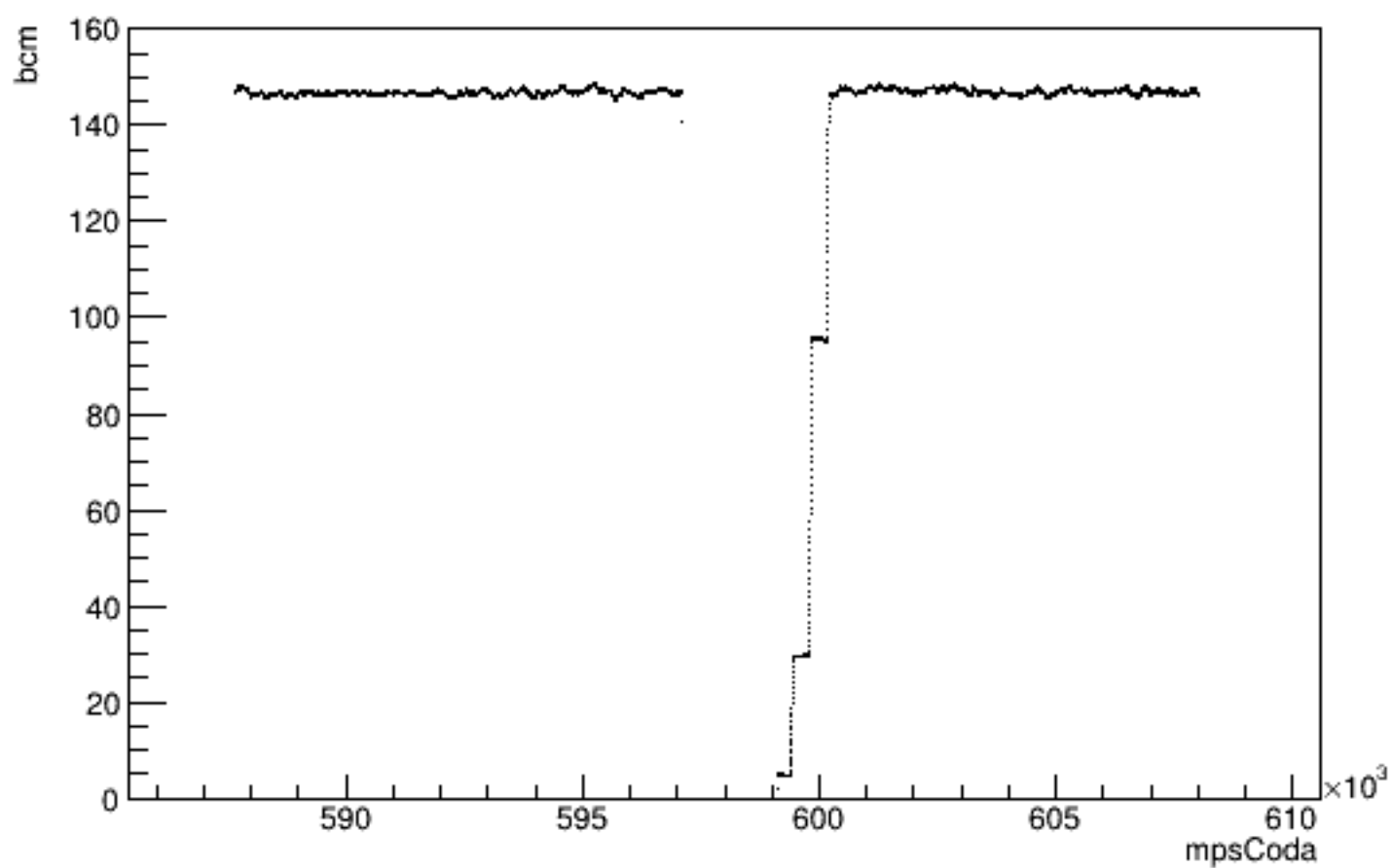
beamState + 1:mpsCoda {mpsCoda&gt;=587672 &amp;&amp; mpsCoda&lt;=608011}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=587672 &amp;&amp; mpsCoda&lt;=608011}



bcm:mpsCoda {mpsCoda&gt;=587672 &amp;&amp; mpsCoda&lt;=608011}



# Cycle 22, Diffs

Entries: 1556

Mean: -0.0116 +/- 0.0104

Std Dev: 0.4089 +/- 0.0073

Entries: 1812

Mean: -0.7755 +/- 0.0120

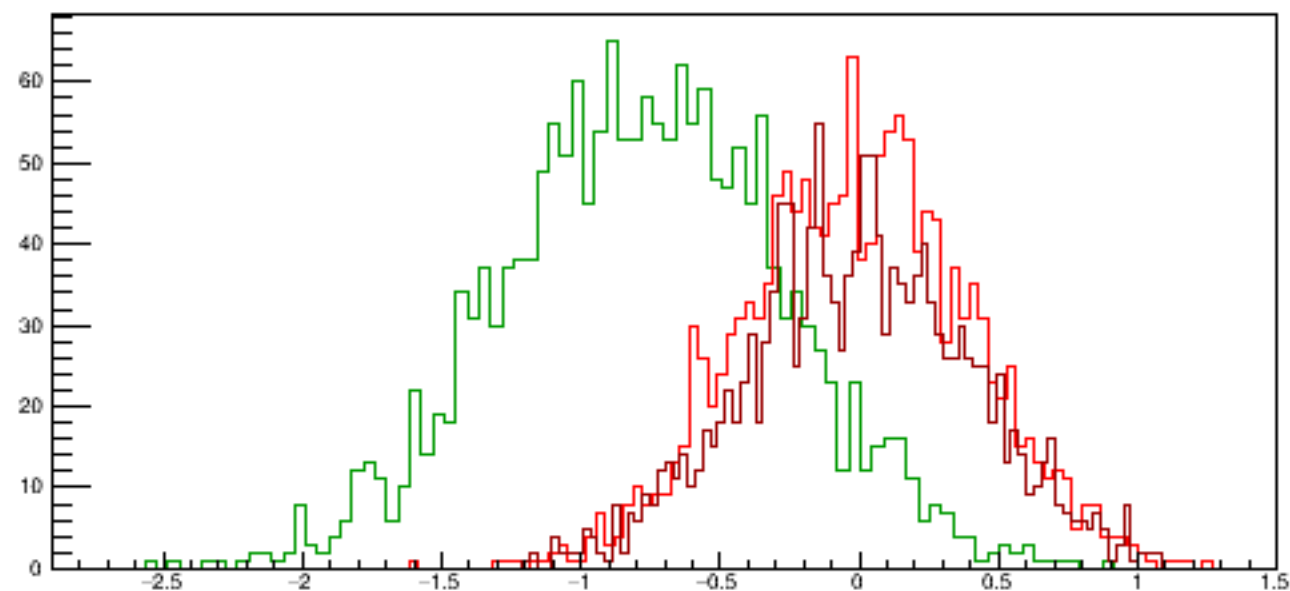
Std Dev: 0.5104 +/- 0.0085

Entries: 1543

Mean: -0.0051 +/- 0.0104

Std Dev: 0.4096 +/- 0.0074

Run 6089 quartetwise, Diffs



# Cycle 22, Sums

Entries: 1556

Mean: 6.8934 +/- 0.0111

Std Dev: 0.4379 +/- 0.0079

Entries: 1812

Mean: 31.3954 +/- 0.0201

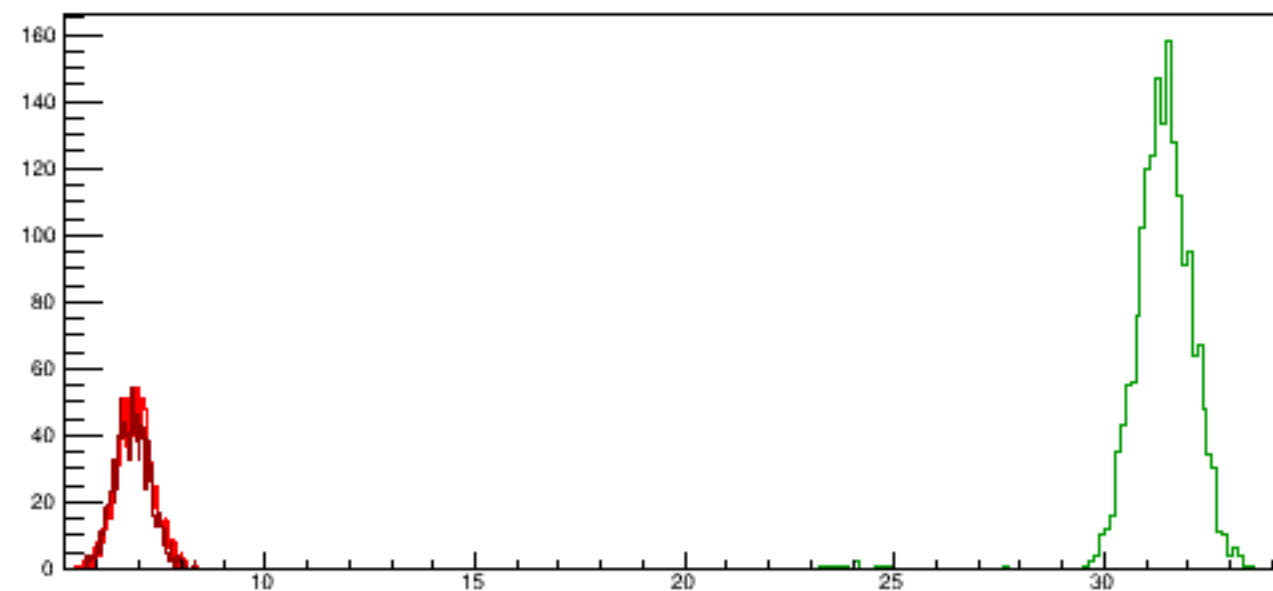
Std Dev: 0.8563 +/- 0.0142

Entries: 1543

Mean: 6.8389 +/- 0.0108

Std Dev: 0.4231 +/- 0.0076

Run 6089 quartetwise, Sums



# Cycle 22, Asyms

Entries: 1556

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

Entries: 1812

Mean: -0.0316 +/- 0.0005

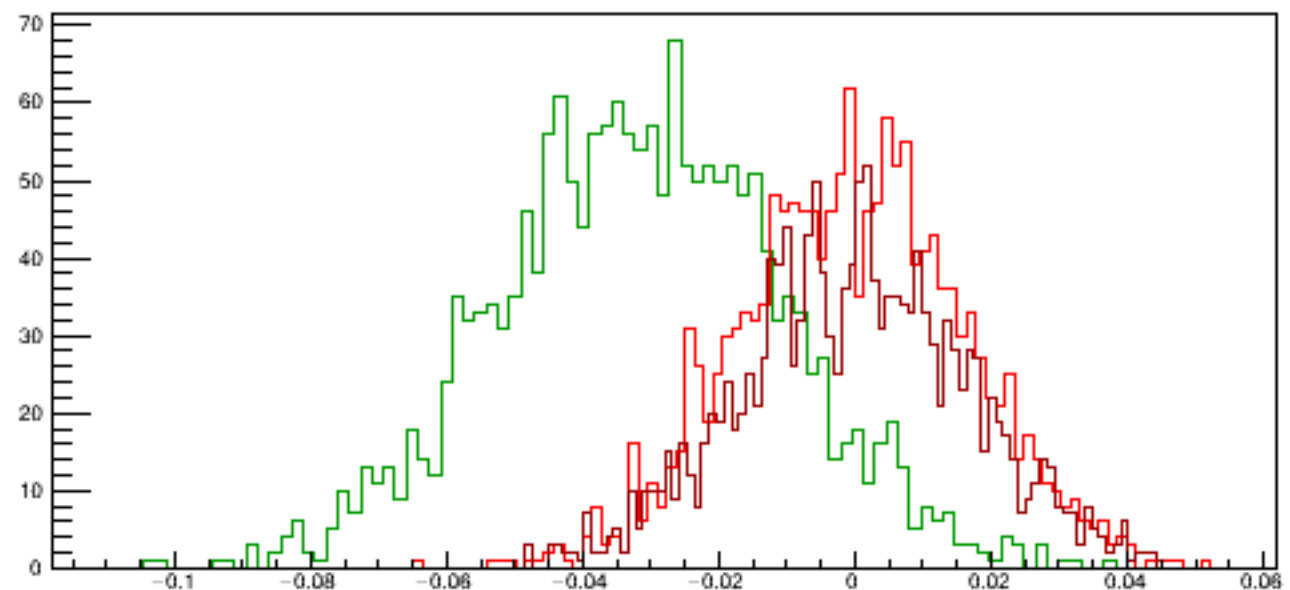
Std Dev: 0.0208 +/- 0.0003

Entries: 1543

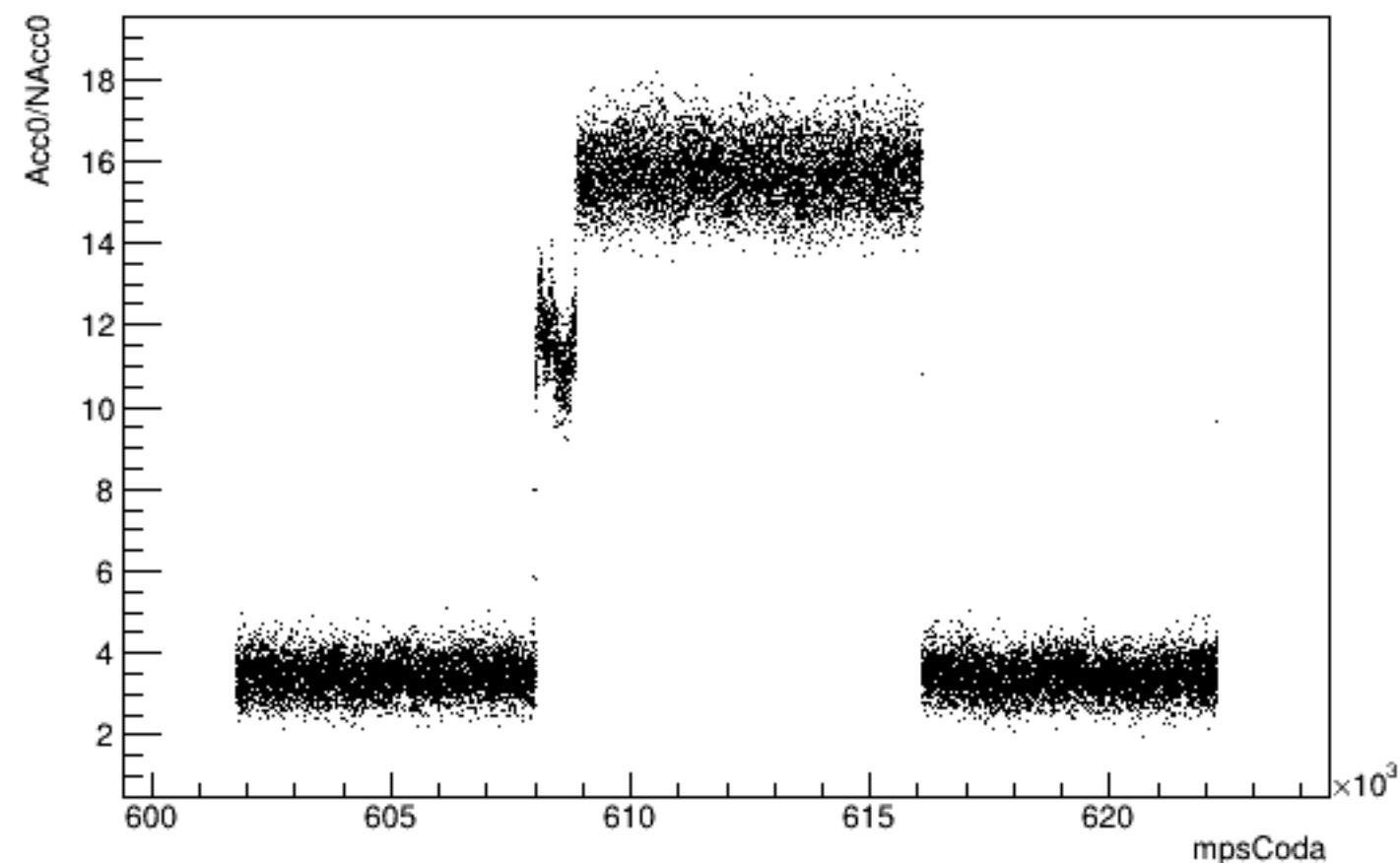
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

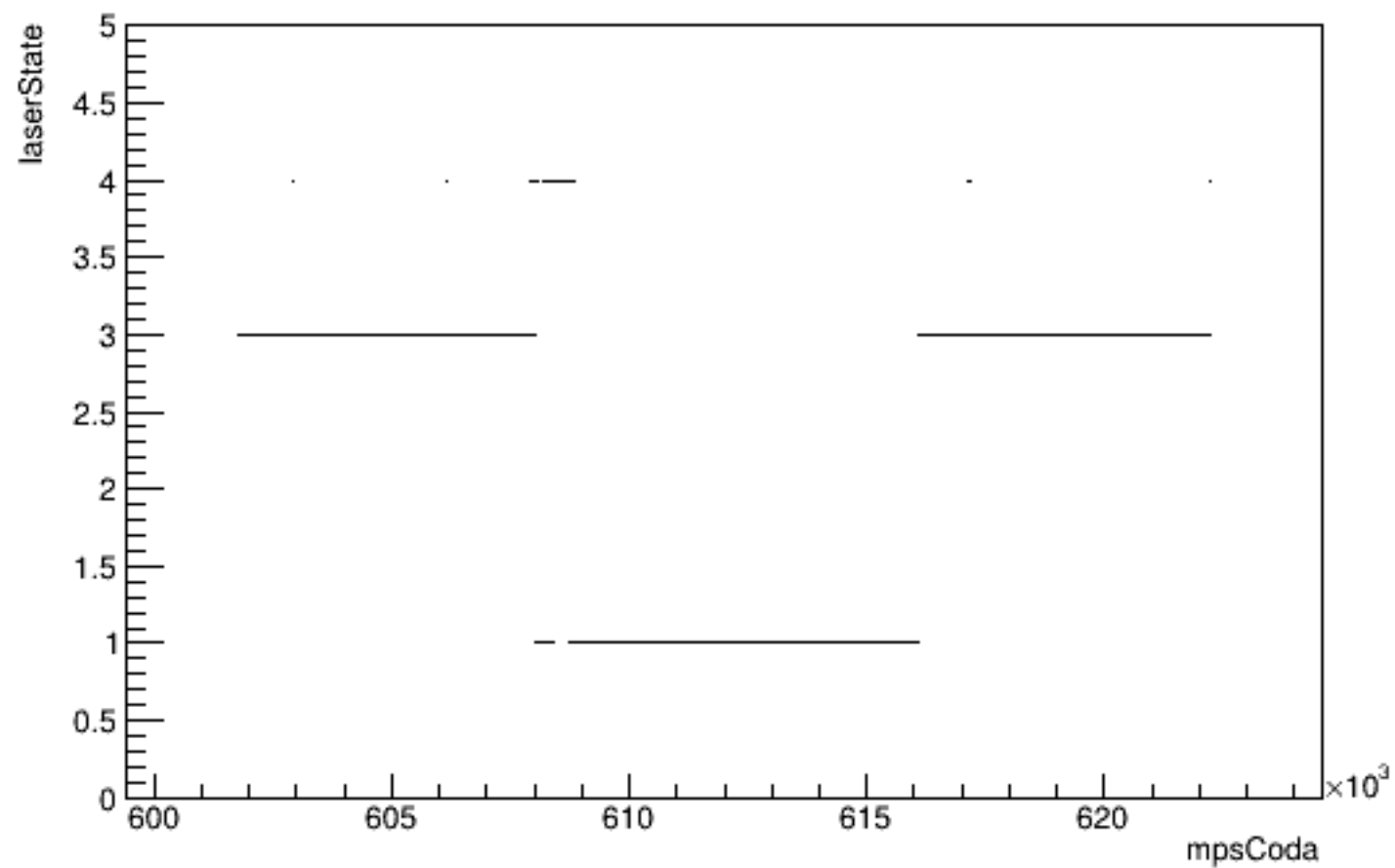
Run 6089 quartetwise, Asyms



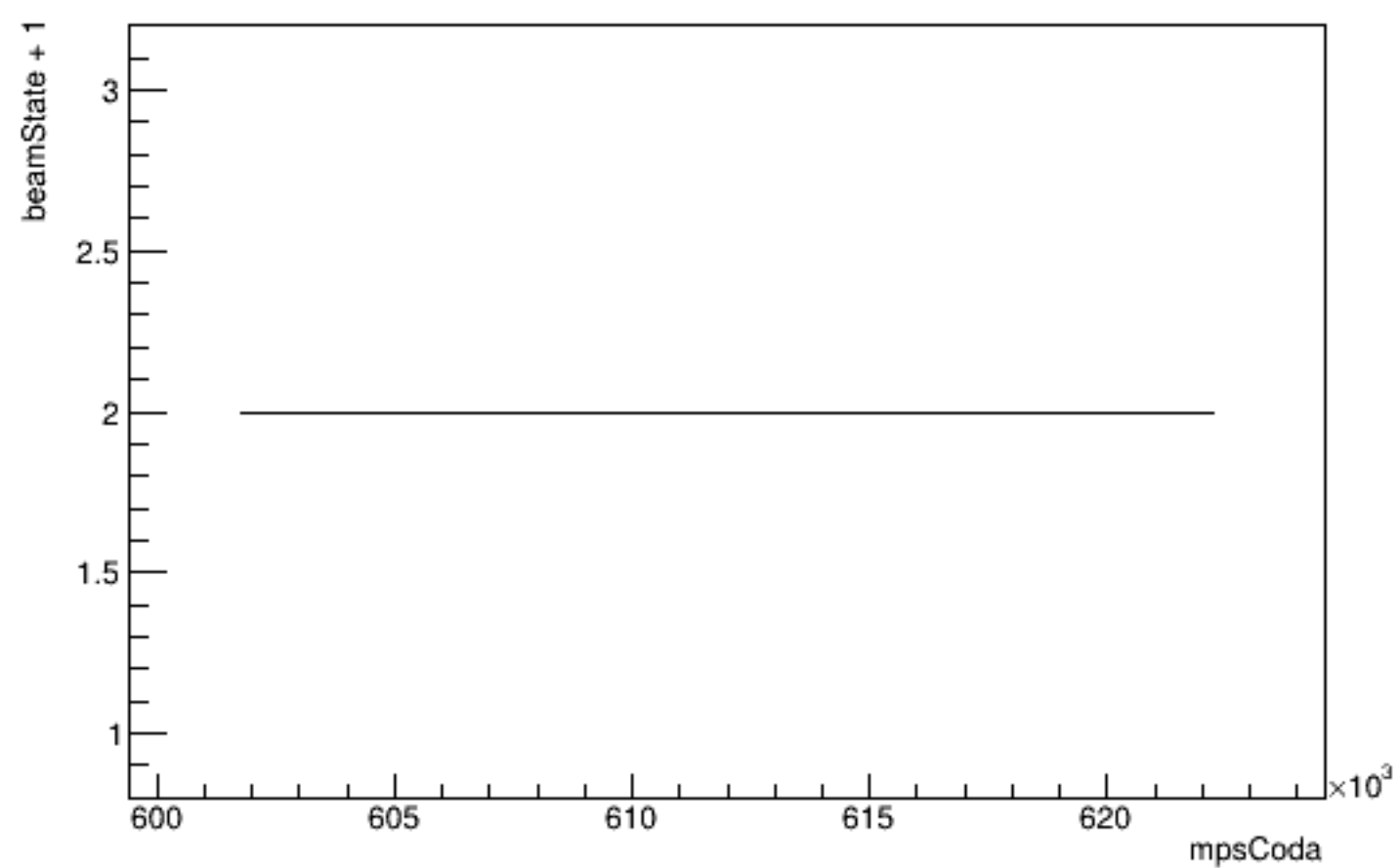
Acc0/NAcc0:mpsCoda (mpsCoda>=601752 && mpsCoda<=622259 && beamState==1)



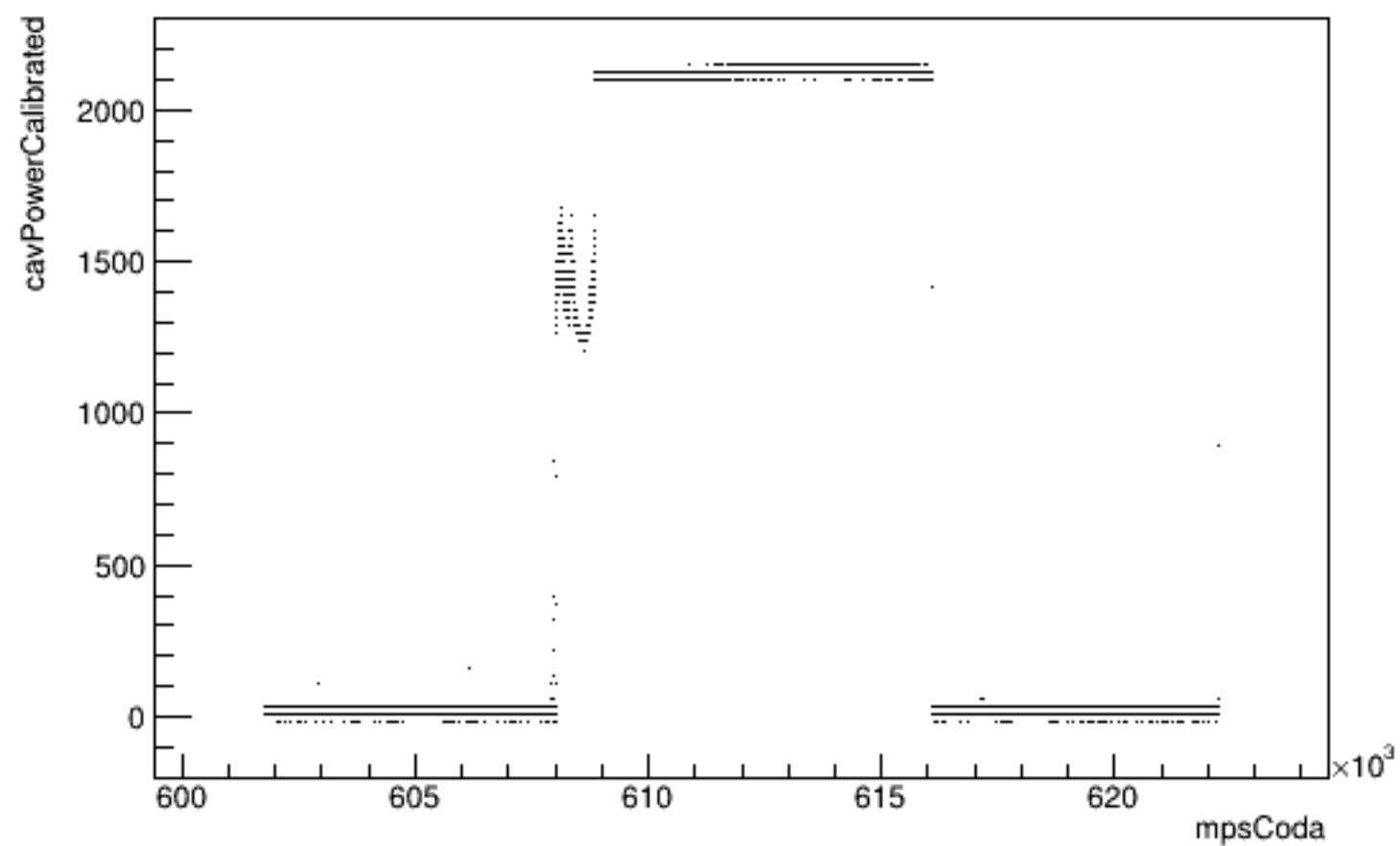
laserState:mpsCoda {mpsCoda&gt;=601752 &amp;&amp; mpsCoda&lt;=622259}



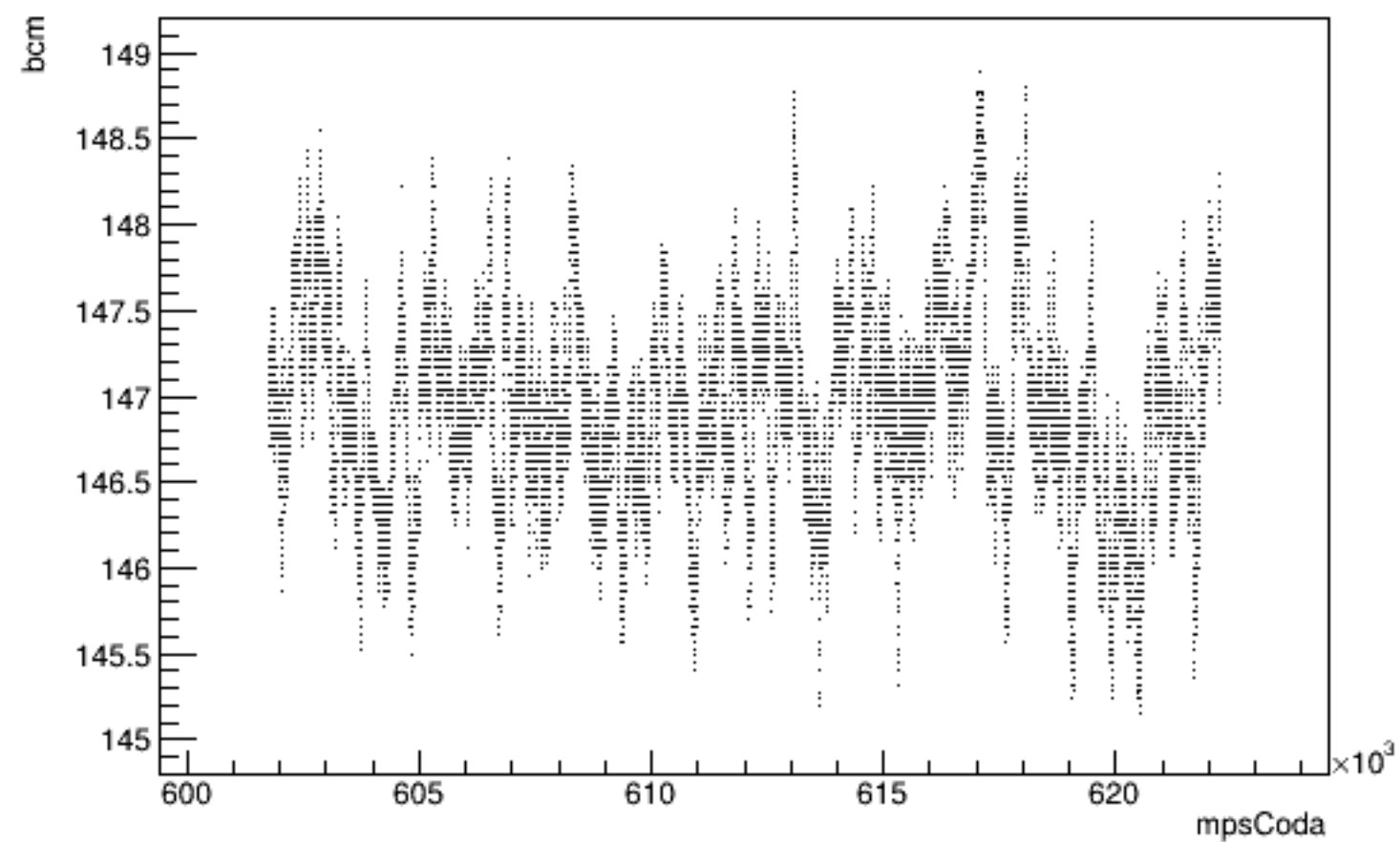
beamState + 1:mpsCoda {mpsCoda&gt;=601752 &amp;&amp; mpsCoda&lt;=622259}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=601752 &amp;&amp; mpsCoda&lt;=622259}



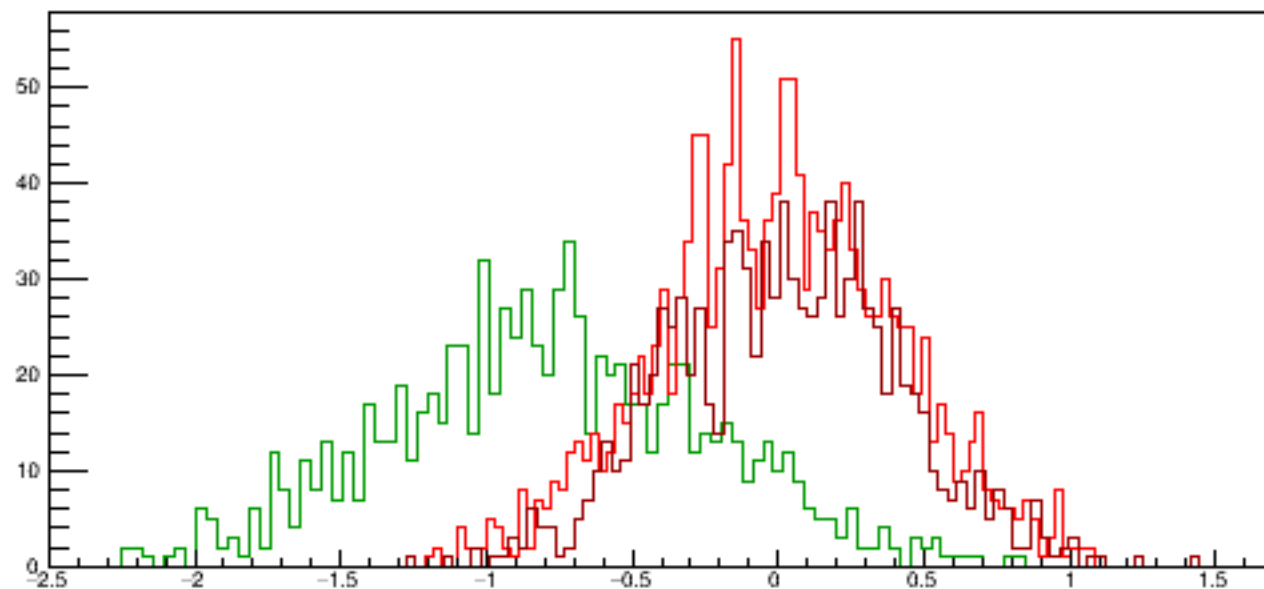
bcm:mpsCoda {mpsCoda&gt;=601752 &amp;&amp; mpsCoda&lt;=622259}



## Cycle 23, Diffs

Entries: 1543	Entries: 921	Entries: 1008
Mean: -0.0051 +/- 0.0104	Mean: -0.7836 +/- 0.0181	Mean: 0.0180 +/- 0.0124
Std Dev: 0.4096 +/- 0.0074	Std Dev: 0.5495 +/- 0.0128	Std Dev: 0.3938 +/- 0.0088

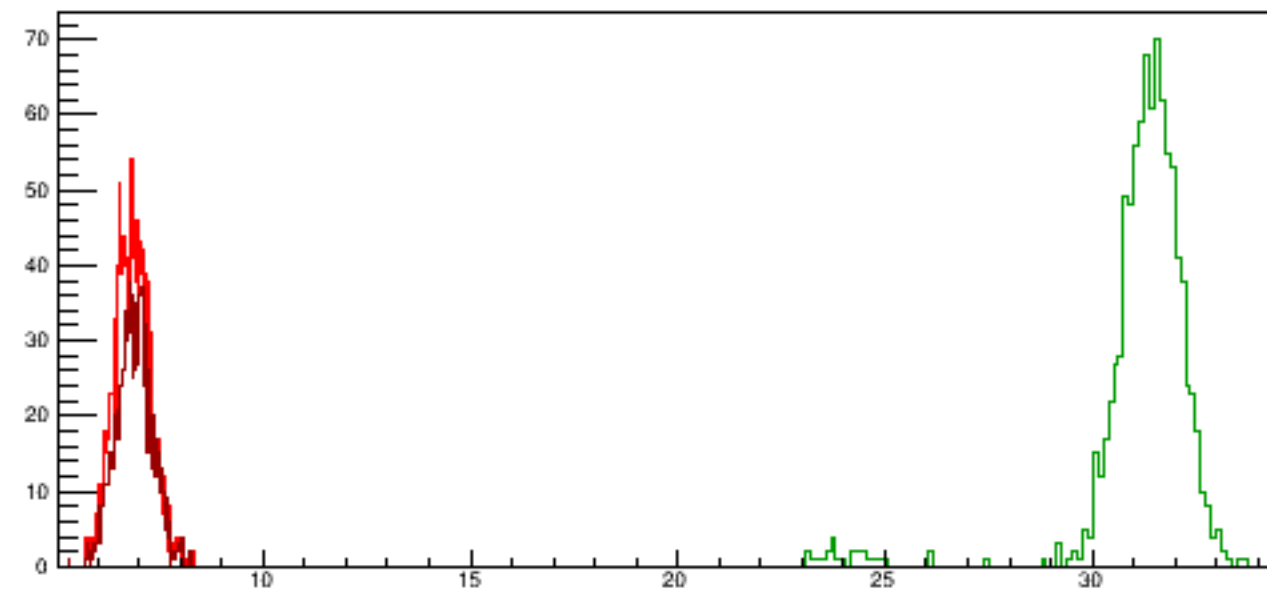
Run 6089 quartetwise, Diffs



## Cycle 23, Sums

Entries: 1543	Entries: 921	Entries: 1008
Mean: 6.8389 +/- 0.0108	Mean: 31.2212 +/- 0.0451	Mean: 6.8805 +/- 0.0137
Std Dev: 0.4231 +/- 0.0076	Std Dev: 1.3701 +/- 0.0319	Std Dev: 0.4345 +/- 0.0097

Run 6089 quartetwise, Sums

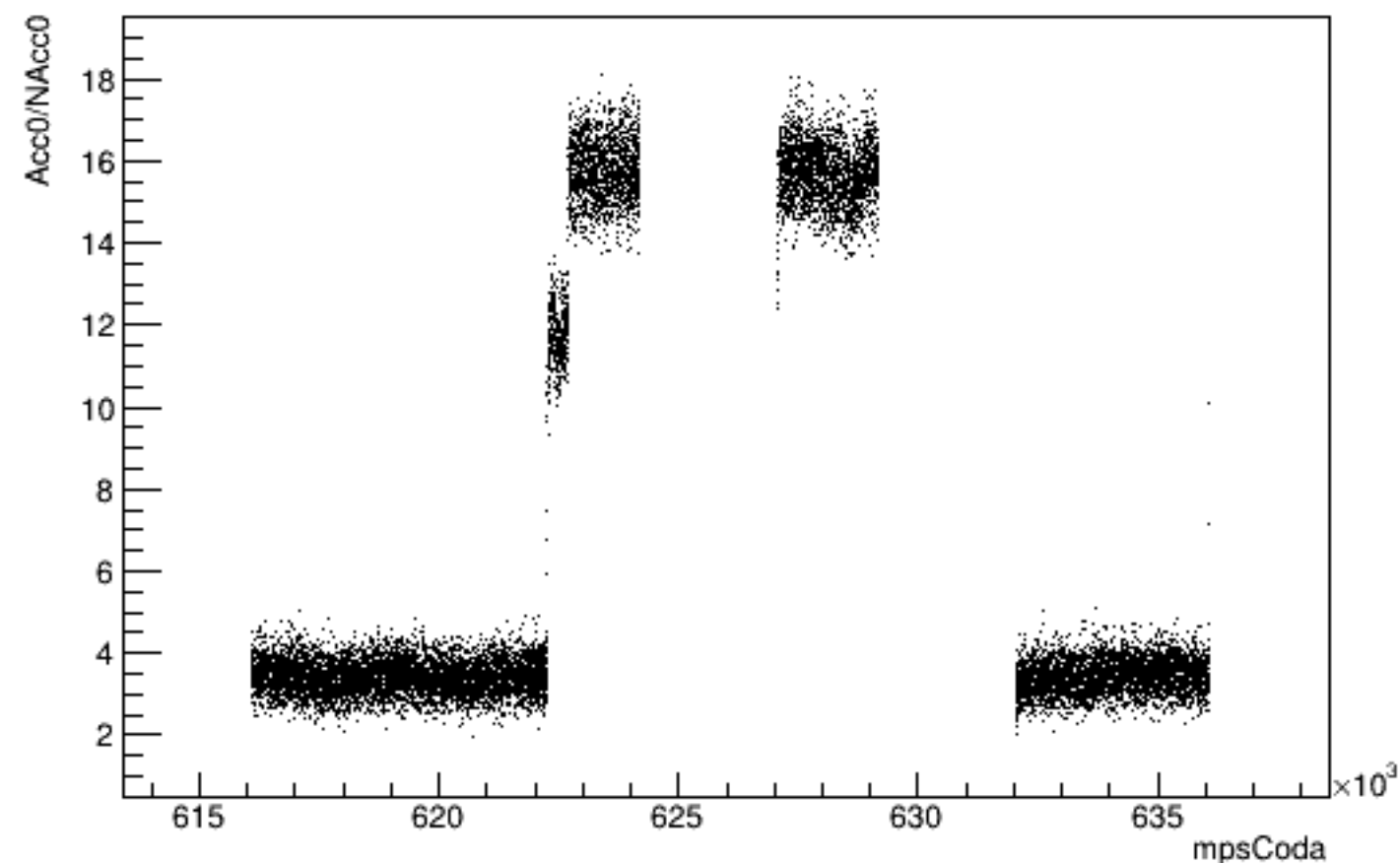
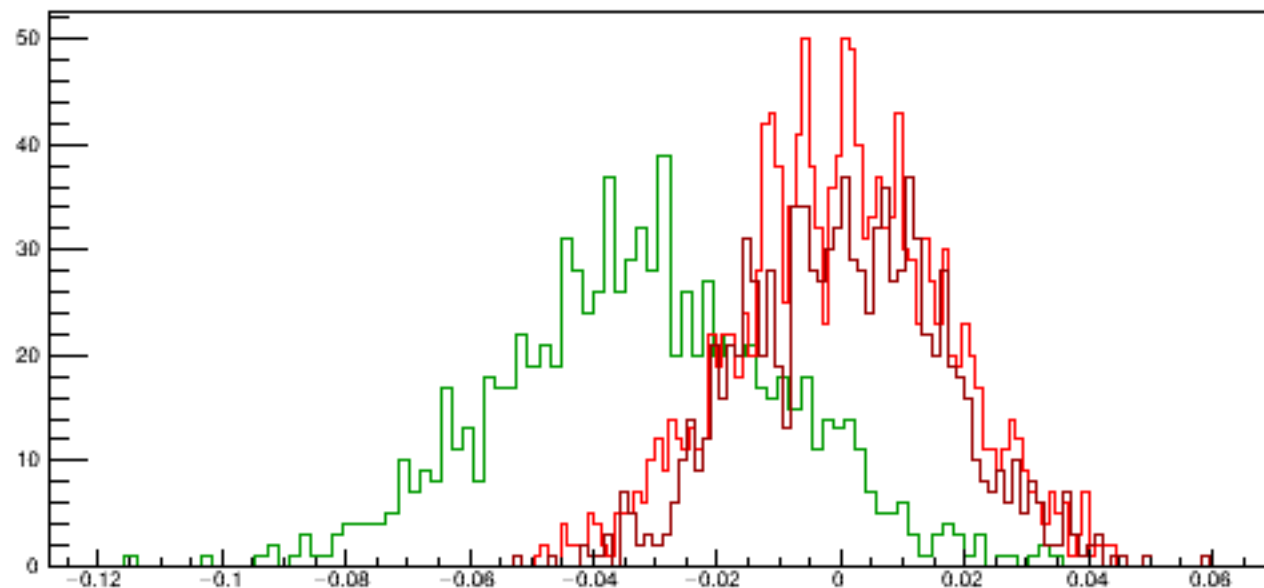


Acc0/NAcc0:mpsCoda (mpsCoda>=616072 && mpsCoda<=636083 && beamState==1)

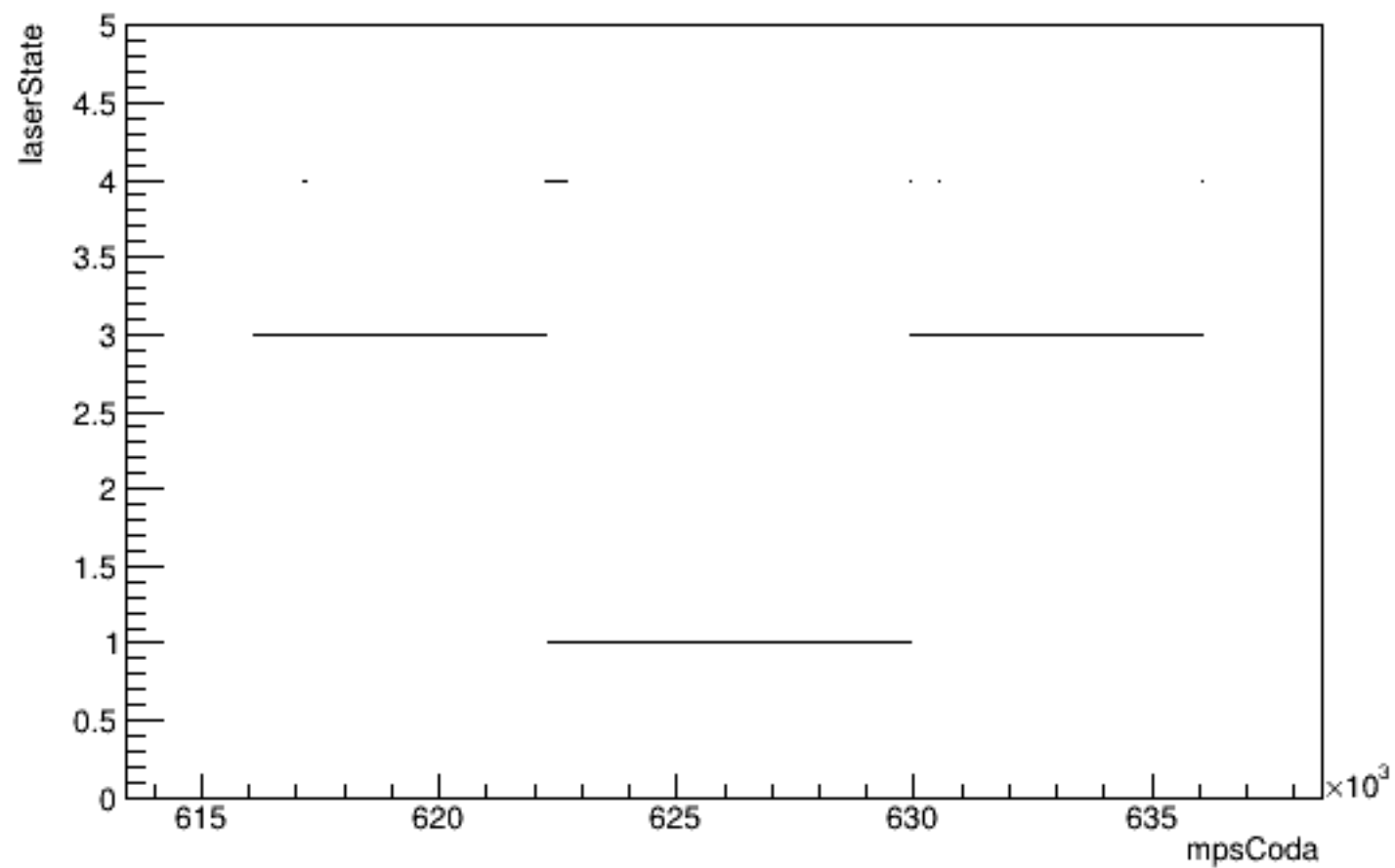
## Cycle 23, Asyms

Entries: 1543	Entries: 921	Entries: 1008
Mean: -0.0002 +/- 0.0004	Mean: -0.0322 +/- 0.0007	Mean: 0.0007 +/- 0.0005
Std Dev: 0.0168 +/- 0.0003	Std Dev: 0.0228 +/- 0.0005	Std Dev: 0.0162 +/- 0.0004

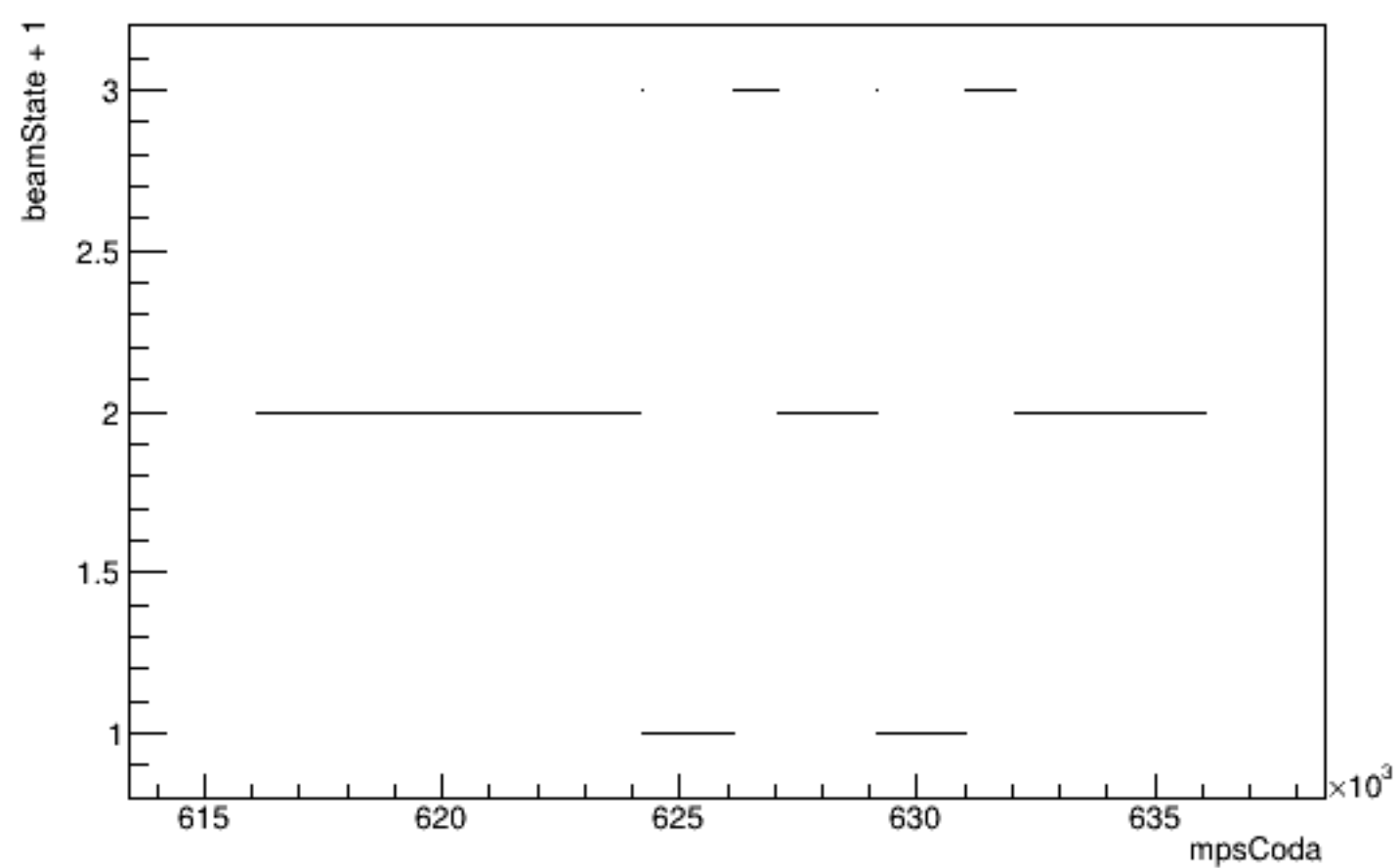
Run 6089 quartetwise, Asyms



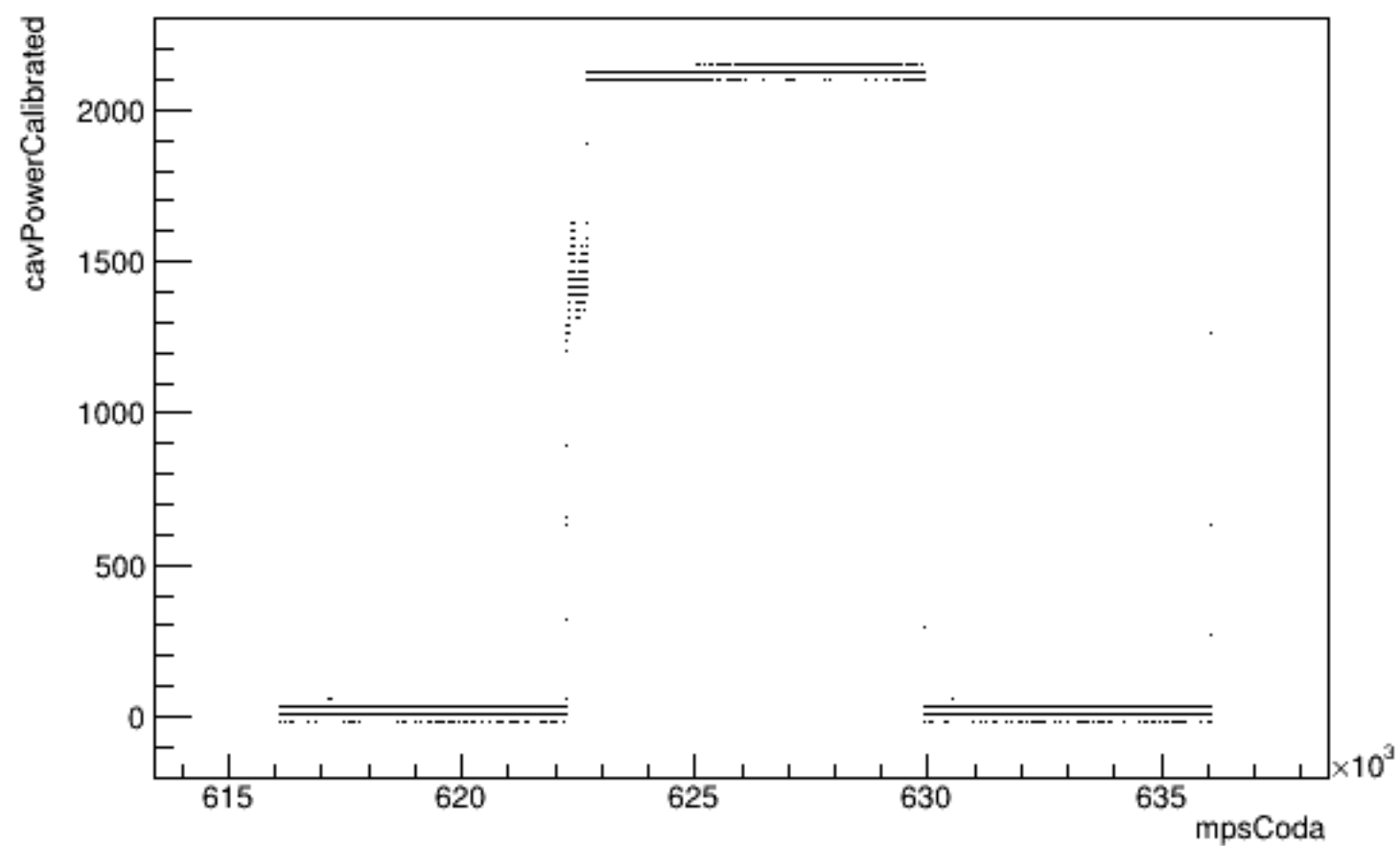
laserState:mpsCoda {mpsCoda&gt;=616072 &amp;&amp; mpsCoda&lt;=636083}



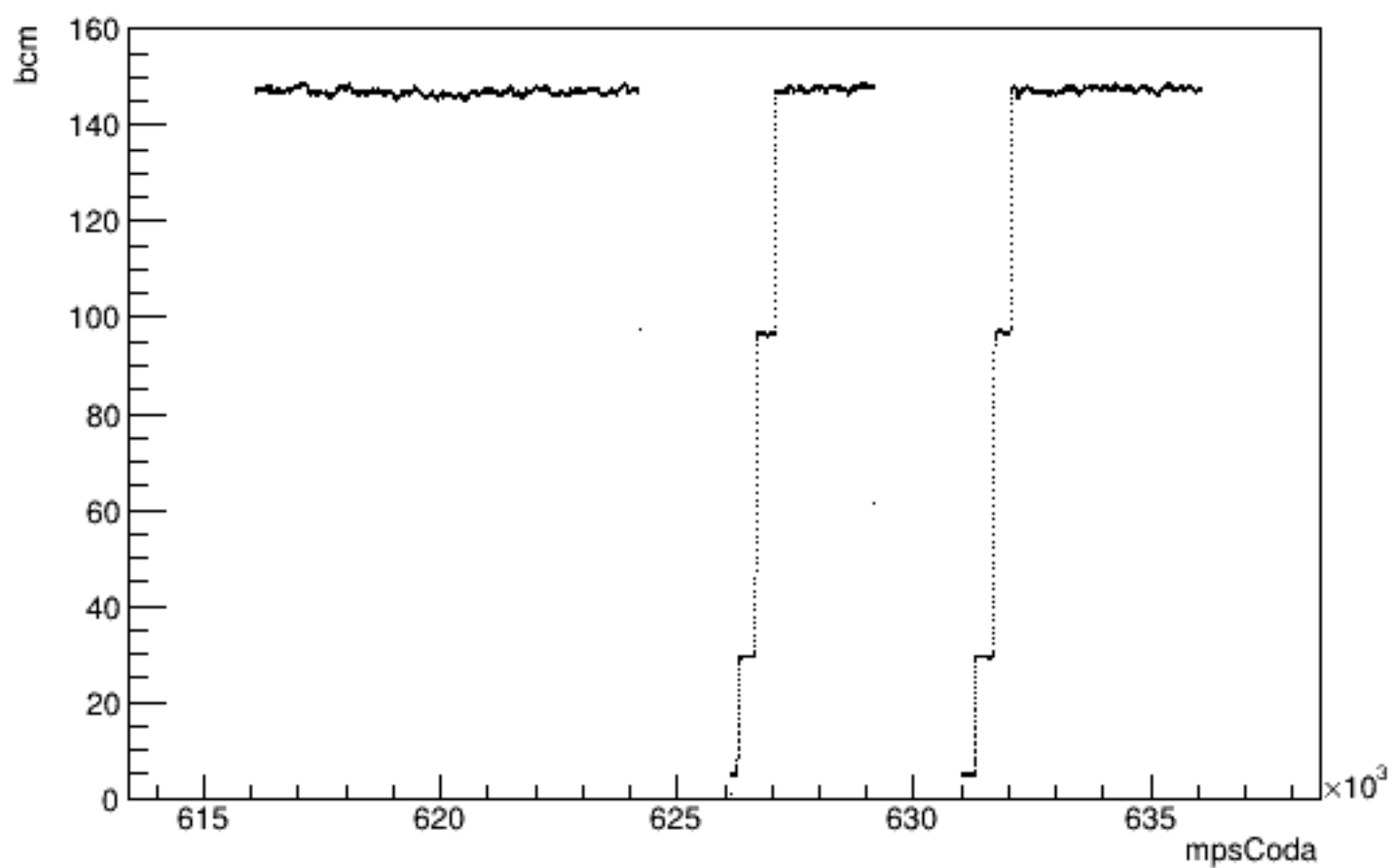
beamState + 1:mpsCoda {mpsCoda&gt;=616072 &amp;&amp; mpsCoda&lt;=636083}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=616072 &amp;&amp; mpsCoda&lt;=636083}



bcm:mpsCoda {mpsCoda&gt;=616072 &amp;&amp; mpsCoda&lt;=636083}



# Cycle 24, Diffs

**Entries: 1008**

**Mean: 0.0180 +/- 0.0124**

**Std Dev: 0.3938 +/- 0.0088**

**Entries: 1602**

**Mean: -0.7698 +/- 0.0135**

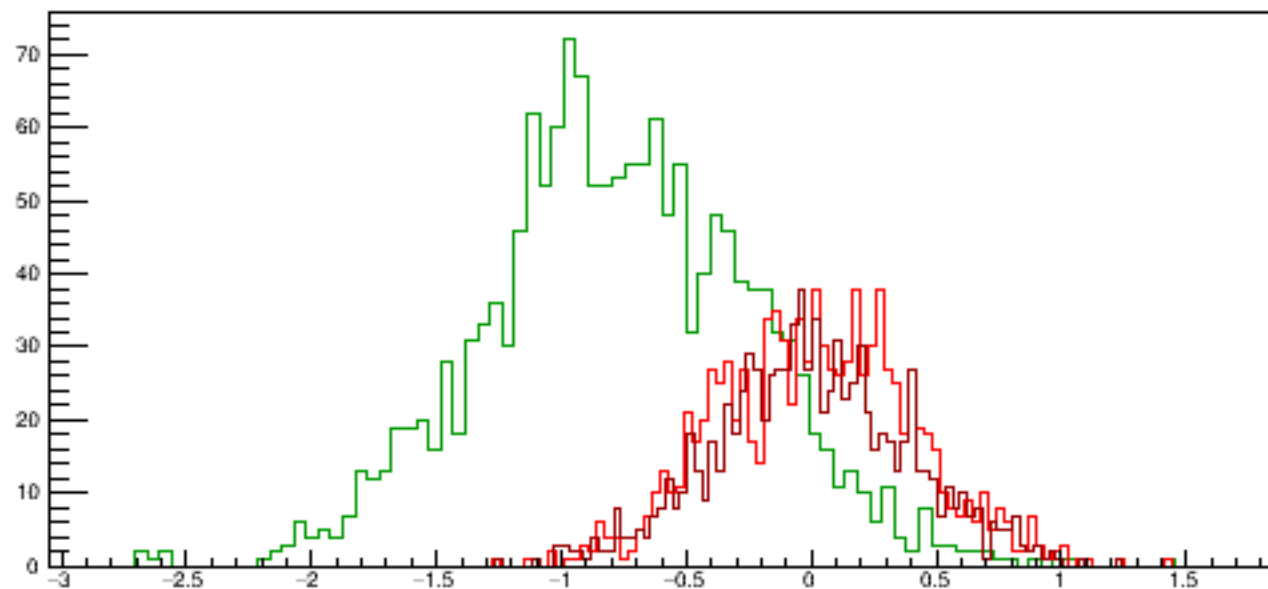
**Std Dev: 0.5415 +/- 0.0096**

**Entries: 923**

**Mean: -0.0035 +/- 0.0128**

**Std Dev: 0.3893 +/- 0.0091**

Run 6089 quartetwise, Diffs



# Cycle 24, Sums

**Entries: 1008**

**Mean: 6.8805 +/- 0.0137**

**Std Dev: 0.4345 +/- 0.0097**

**Entries: 1602**

**Mean: 31.2537 +/- 0.0153**

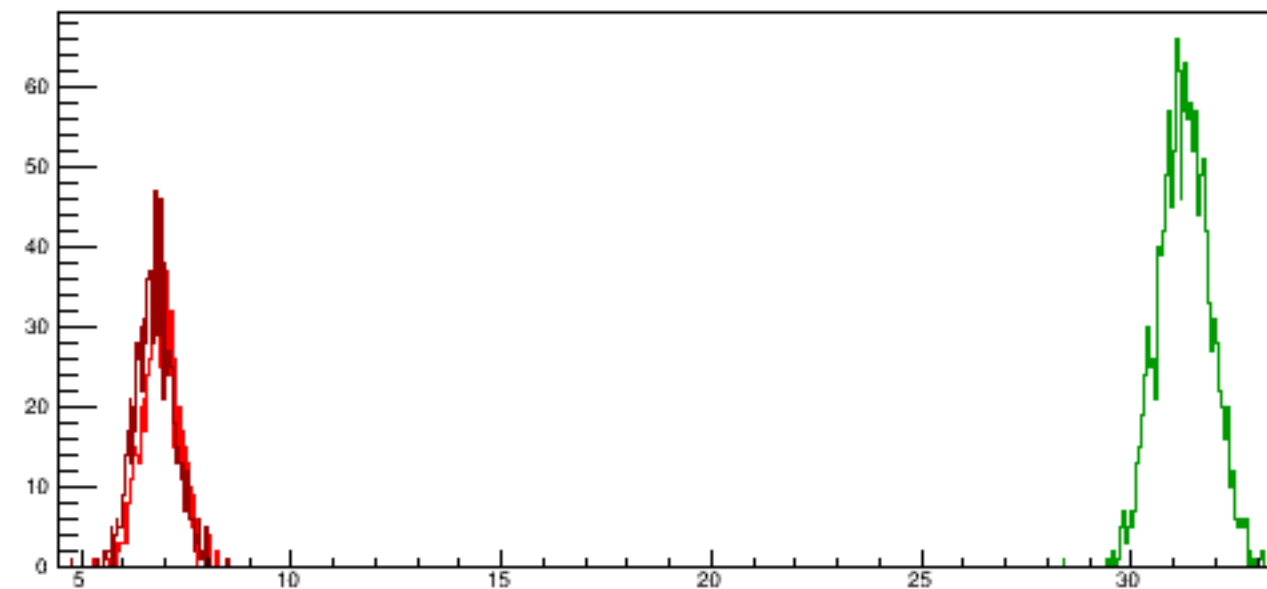
**Std Dev: 0.6130 +/- 0.0108**

**Entries: 923**

**Mean: 6.7555 +/- 0.0151**

**Std Dev: 0.4575 +/- 0.0106**

Run 6089 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=629912 && mpsCoda<=650211 && beamState==1)

# Cycle 24, Asyms

**Entries: 1008**

**Mean: 0.0007 +/- 0.0005**

**Std Dev: 0.0161 +/- 0.0004**

**Entries: 1602**

**Mean: -0.0315 +/- 0.0006**

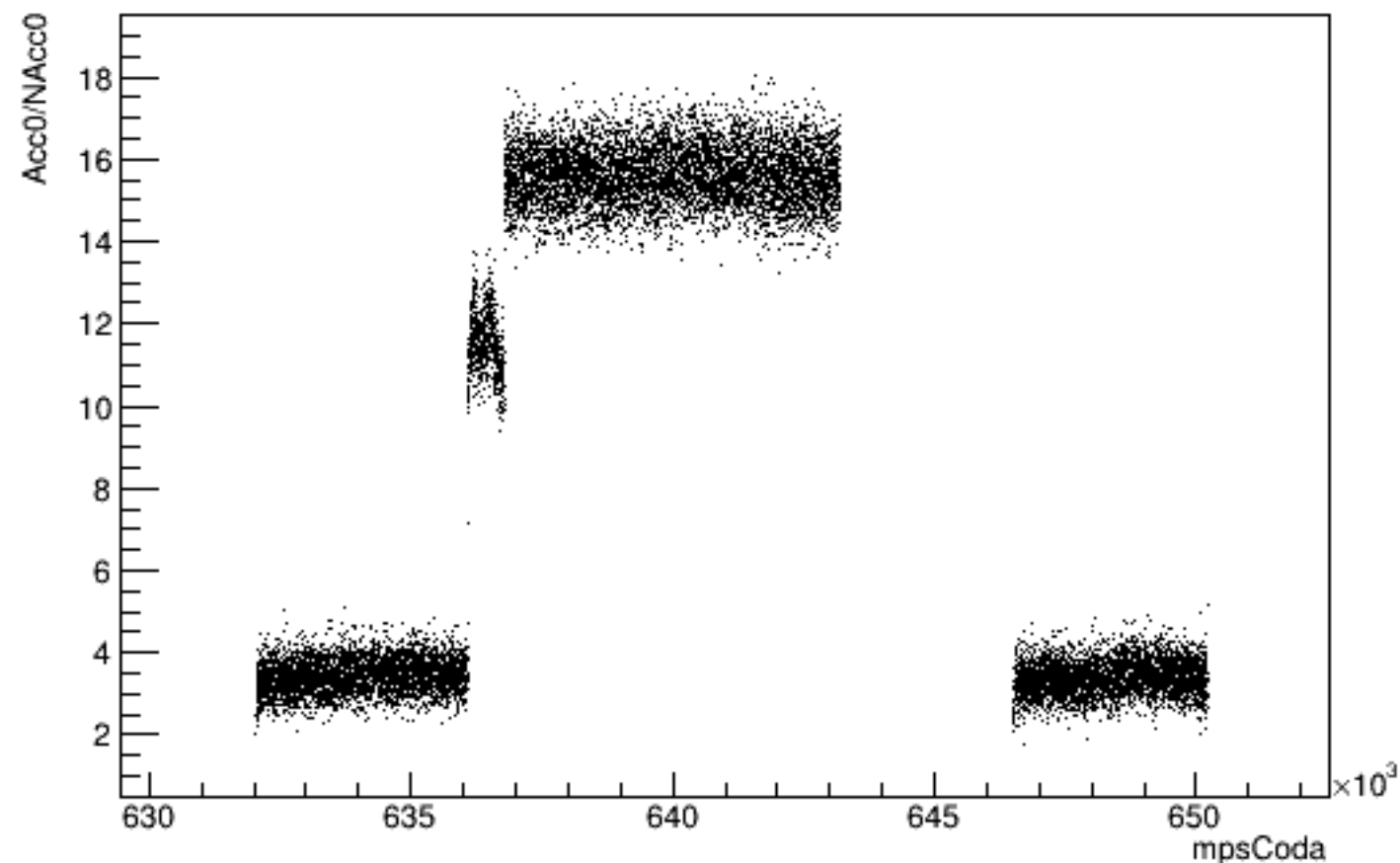
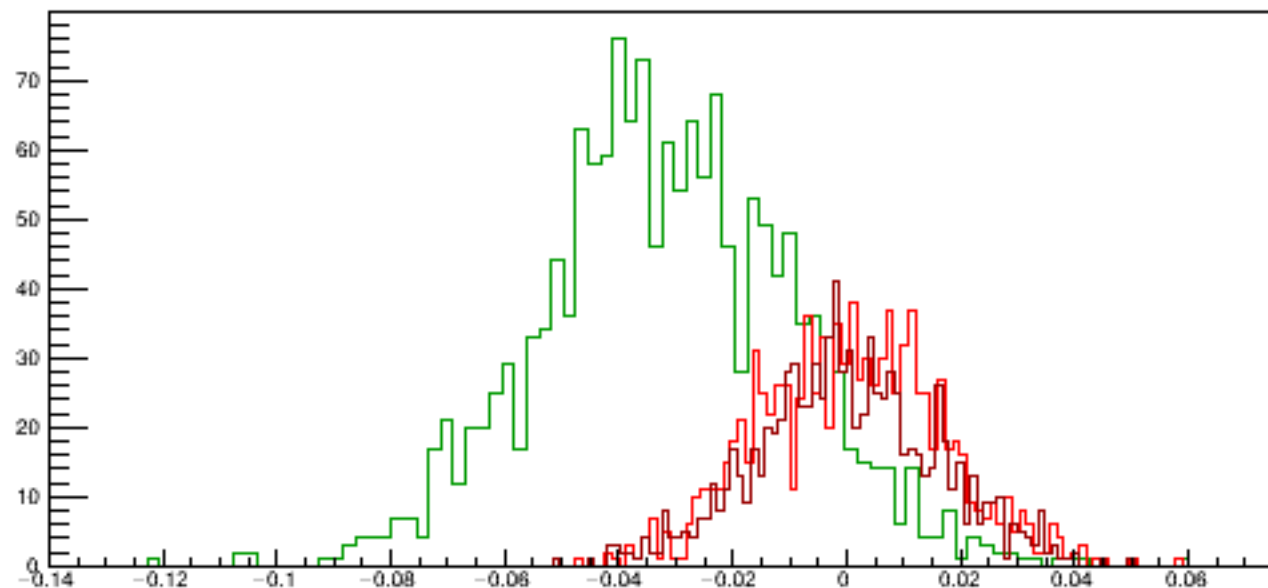
**Std Dev: 0.0222 +/- 0.0004**

**Entries: 923**

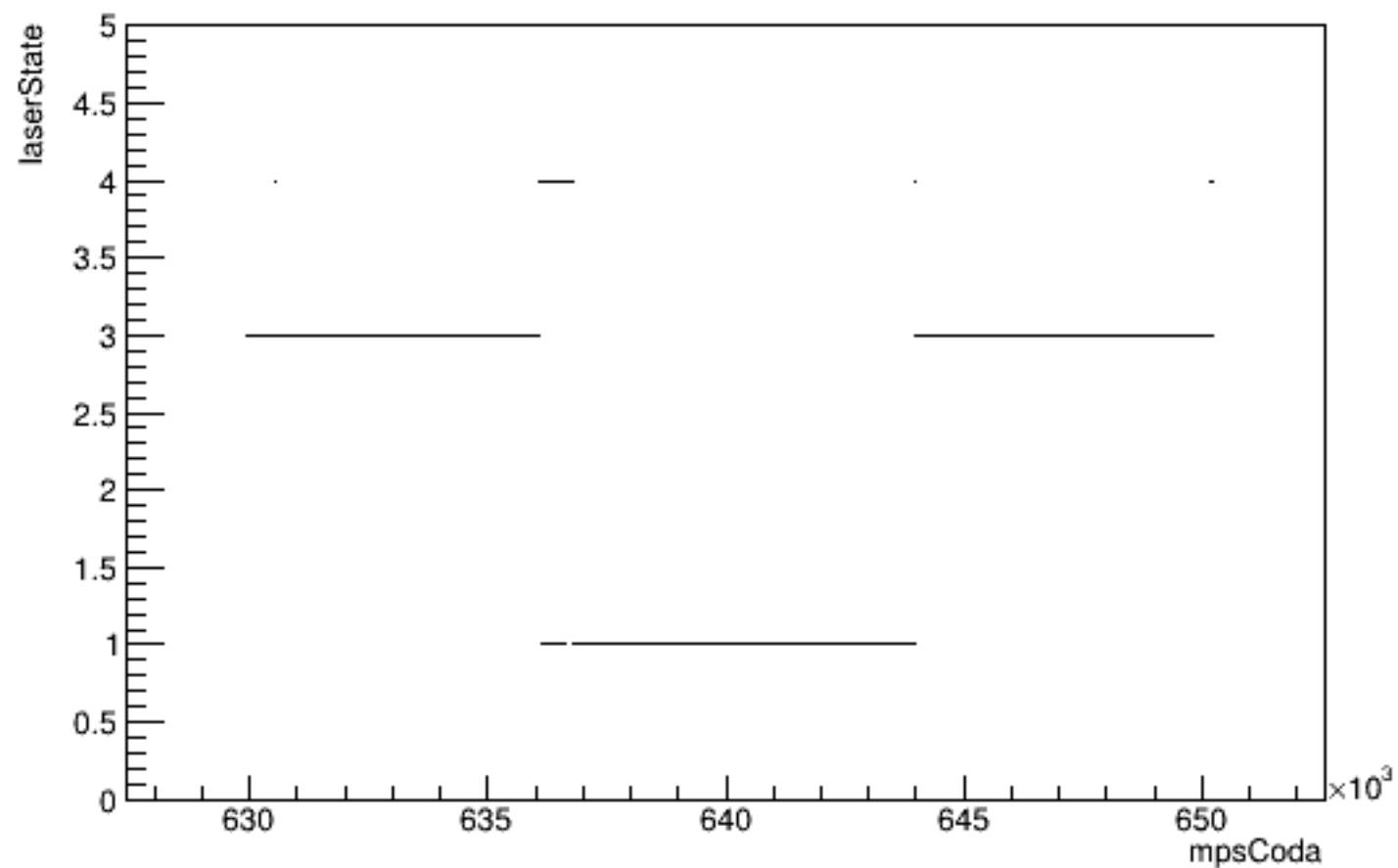
**Mean: -0.0001 +/- 0.0005**

**Std Dev: 0.0159 +/- 0.0004**

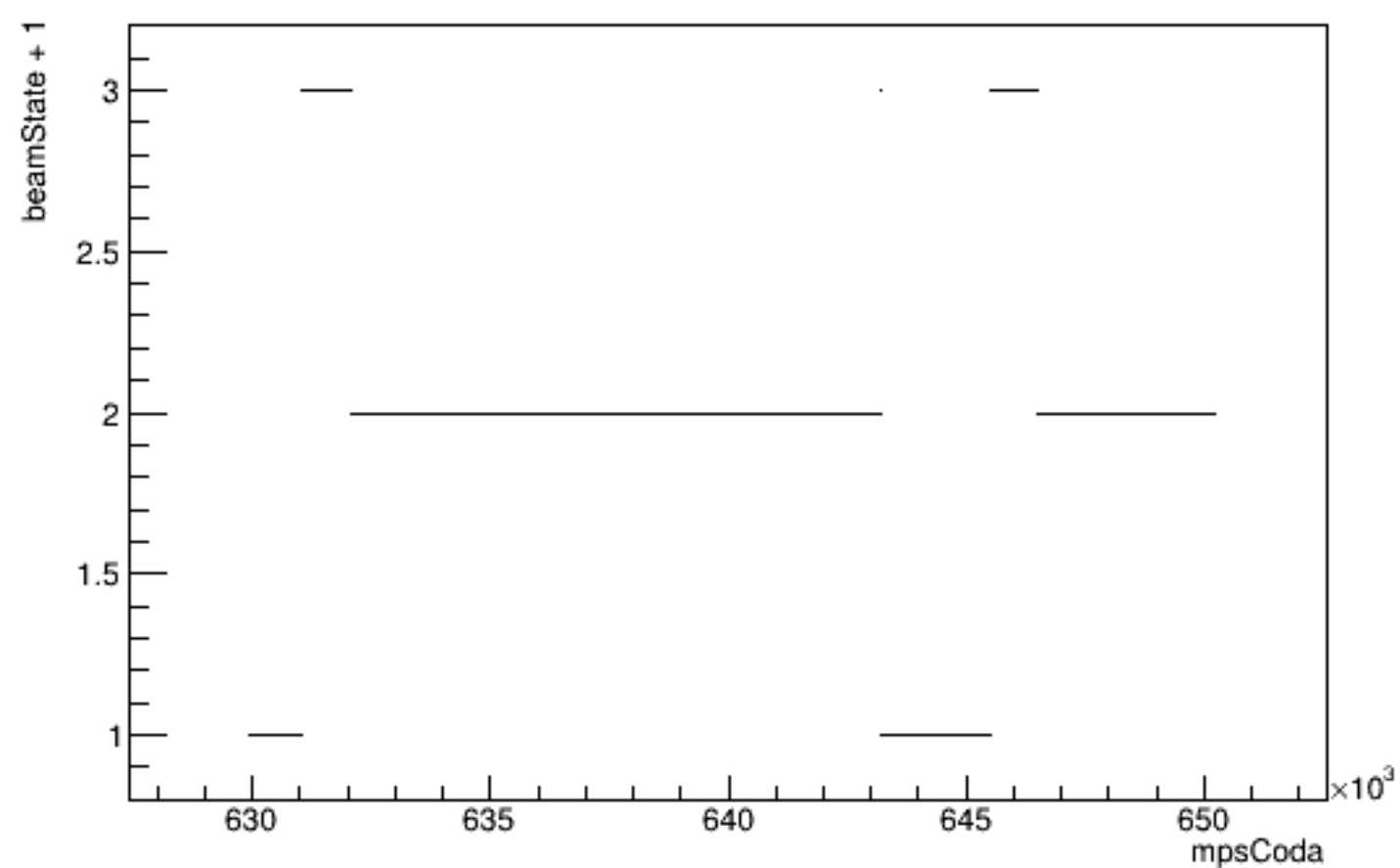
Run 6089 quartetwise, Asyms



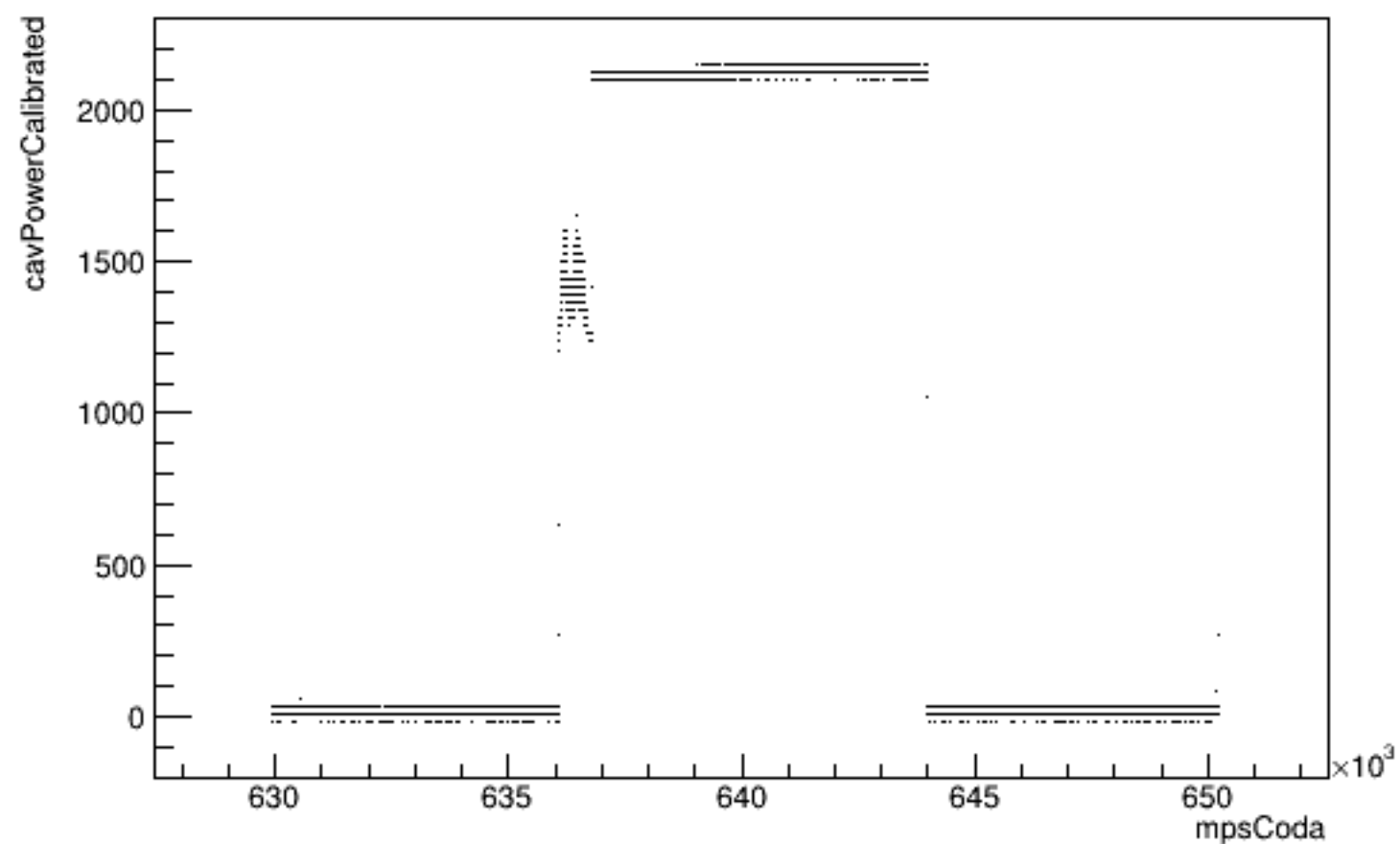
laserState:mpsCoda {mpsCoda&gt;=629912 &amp;&amp; mpsCoda&lt;=650211}



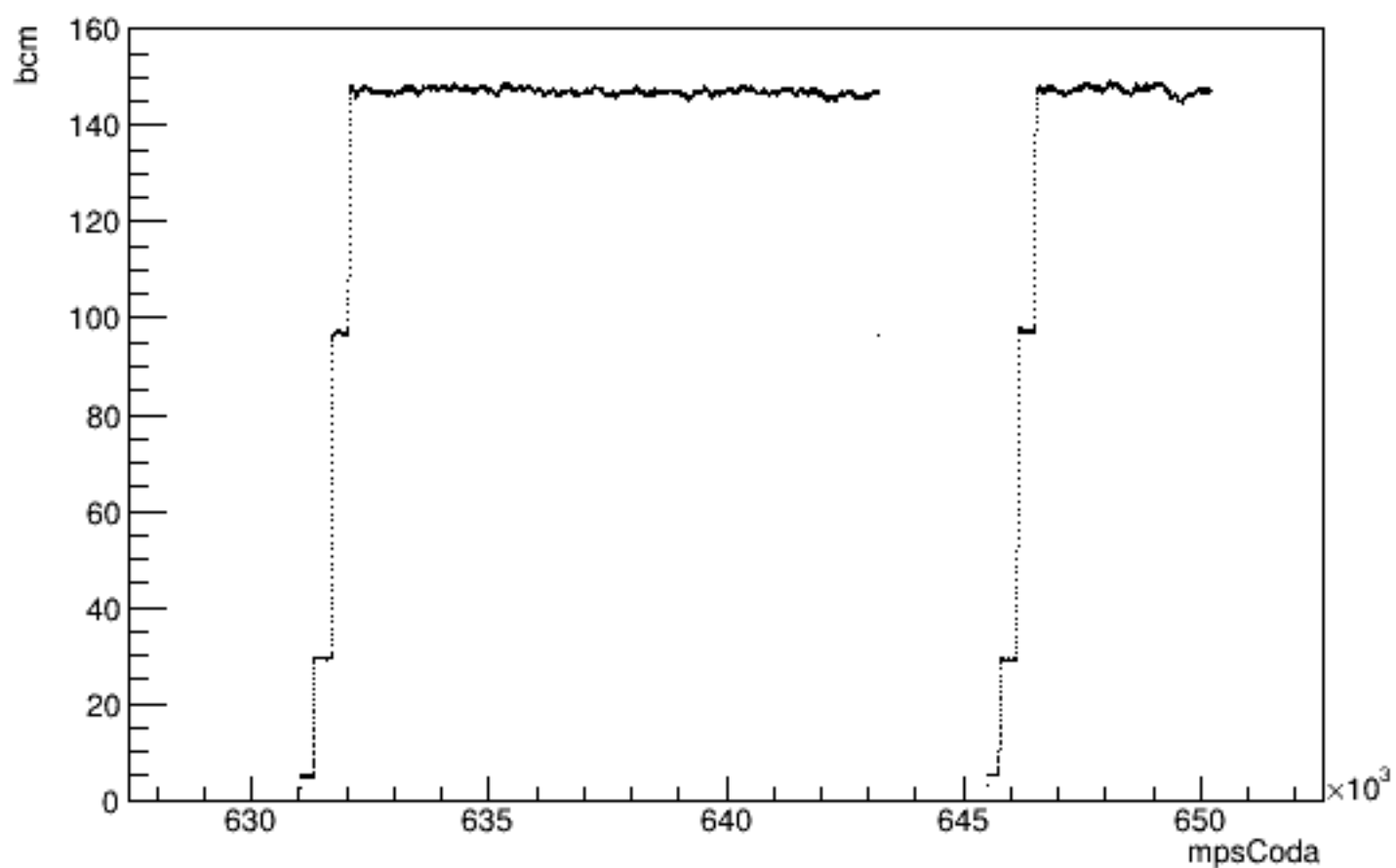
beamState + 1:mpsCoda {mpsCoda&gt;=629912 &amp;&amp; mpsCoda&lt;=650211}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=629912 &amp;&amp; mpsCoda&lt;=650211}



bcm:mpsCoda {mpsCoda&gt;=629912 &amp;&amp; mpsCoda&lt;=650211}

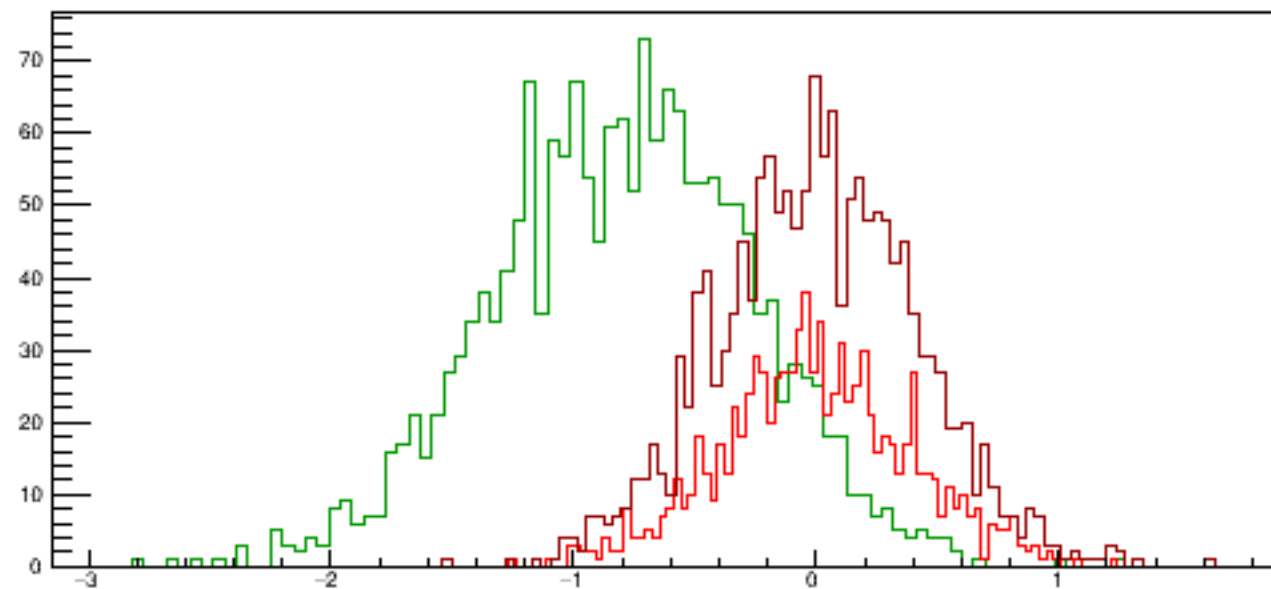




# Cycle 25, Diffs

<b>Entries: 923</b>	<b>Entries: 1800</b>	<b>Entries: 1555</b>
<b>Mean: -0.0035 +/- 0.0128</b>	<b>Mean: -0.7975 +/- 0.0126</b>	<b>Mean: 0.0040 +/- 0.0105</b>
<b>Std Dev: 0.3893 +/- 0.0091</b>	<b>Std Dev: 0.5360 +/- 0.0089</b>	<b>Std Dev: 0.4132 +/- 0.0074</b>

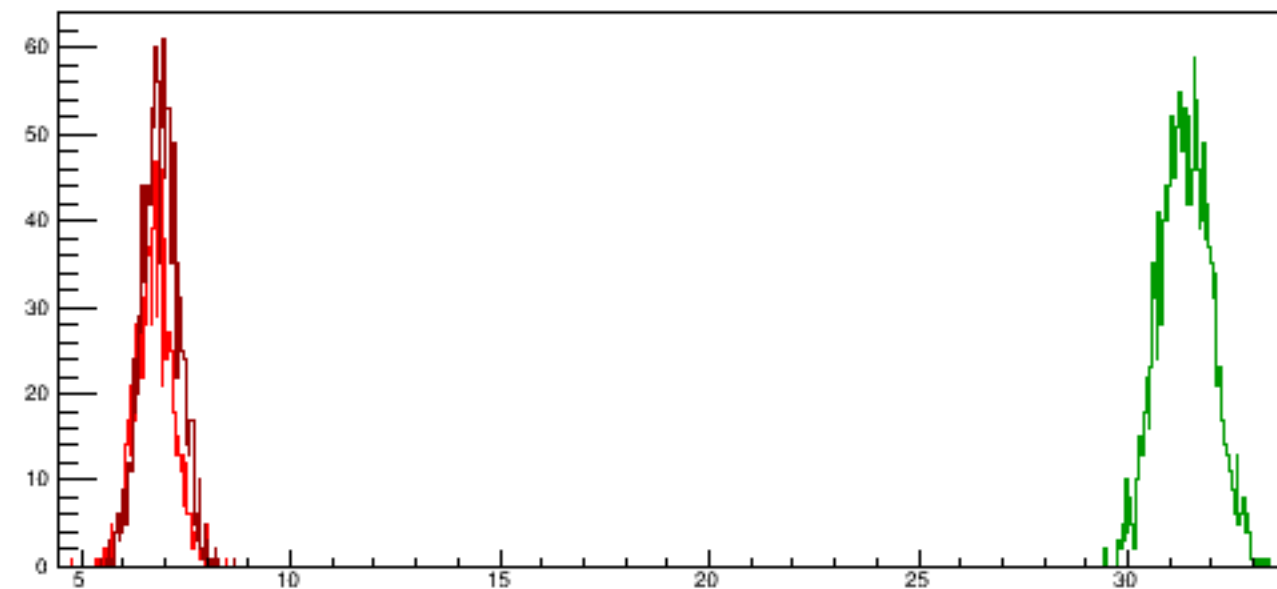
Run 6089 quartetwise, Diffs



# Cycle 25, Sums

<b>Entries: 923</b>	<b>Entries: 1800</b>	<b>Entries: 1555</b>
<b>Mean: 6.7555 +/- 0.0151</b>	<b>Mean: 31.3686 +/- 0.0147</b>	<b>Mean: 6.8944 +/- 0.0110</b>
<b>Std Dev: 0.4575 +/- 0.0106</b>	<b>Std Dev: 0.6231 +/- 0.0104</b>	<b>Std Dev: 0.4333 +/- 0.0078</b>

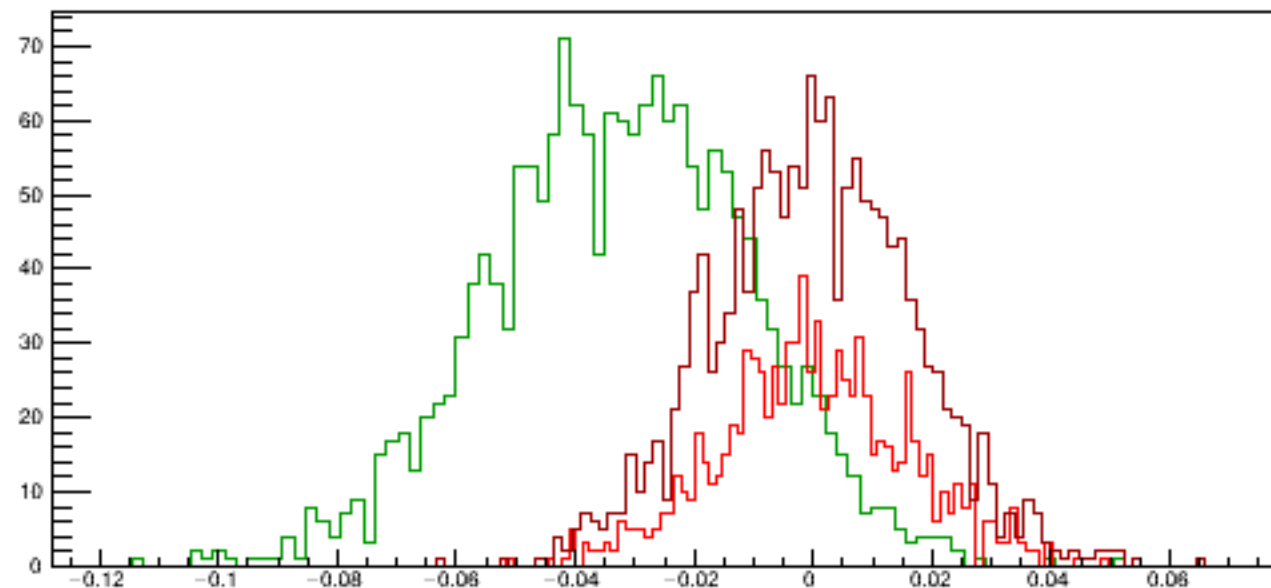
Run 6089 quartetwise, Sums



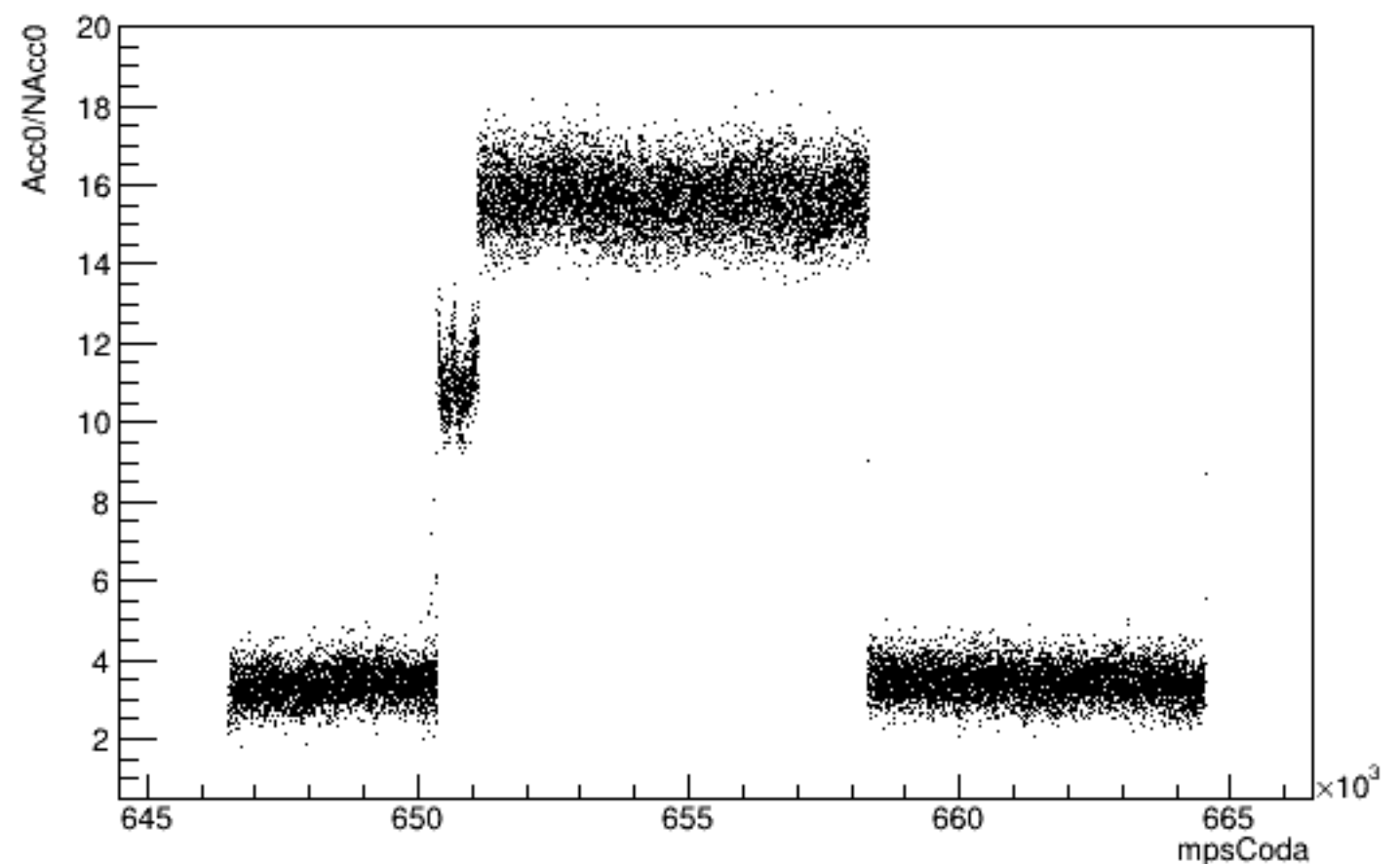
# Cycle 25, Asyms

<b>Entries: 923</b>	<b>Entries: 1800</b>	<b>Entries: 1555</b>
<b>Mean: -0.0001 +/- 0.0005</b>	<b>Mean: -0.0325 +/- 0.0005</b>	<b>Mean: 0.0002 +/- 0.0004</b>
<b>Std Dev: 0.0159 +/- 0.0004</b>	<b>Std Dev: 0.0218 +/- 0.0004</b>	<b>Std Dev: 0.0168 +/- 0.0003</b>

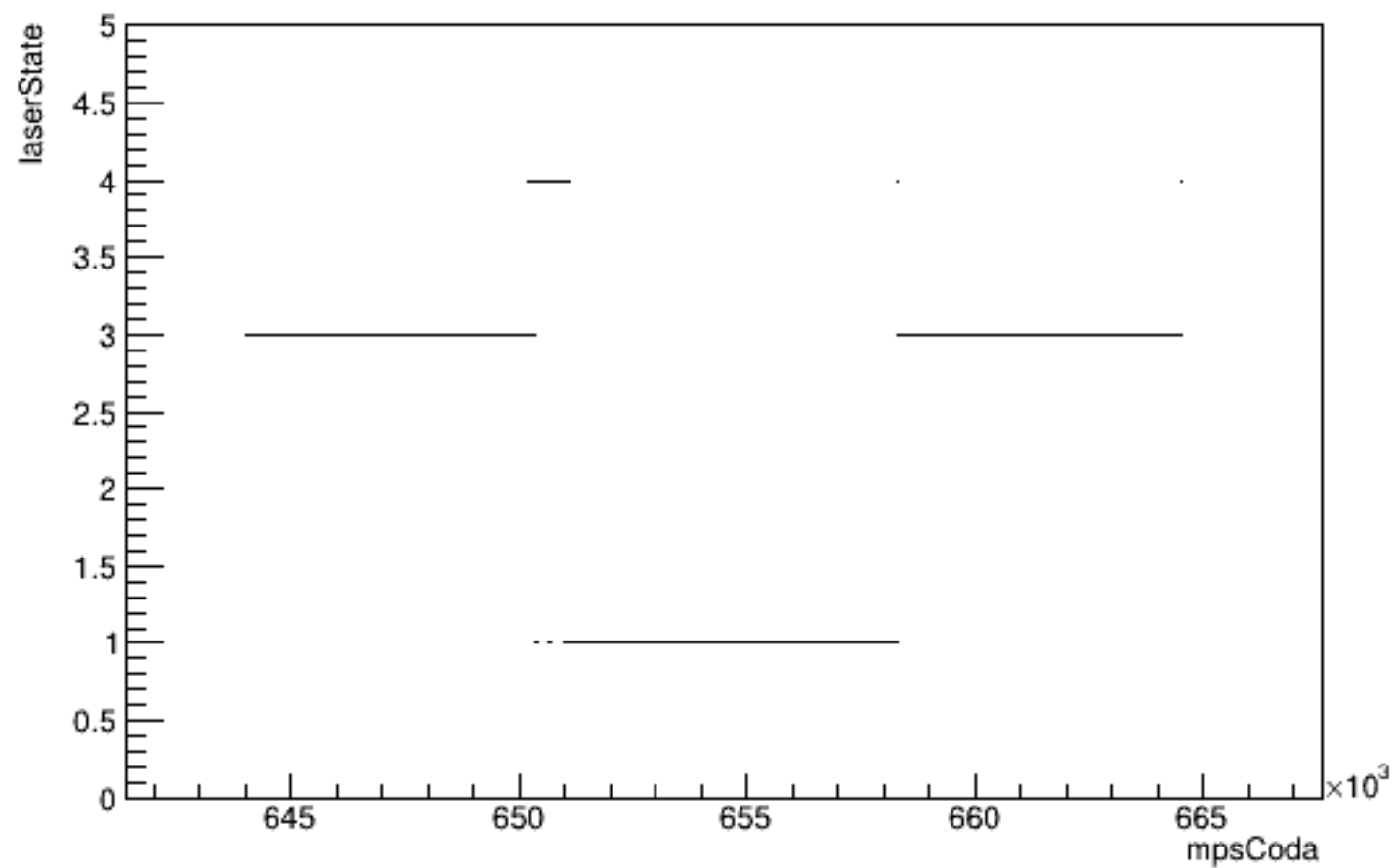
Run 6089 quartetwise, Asyms



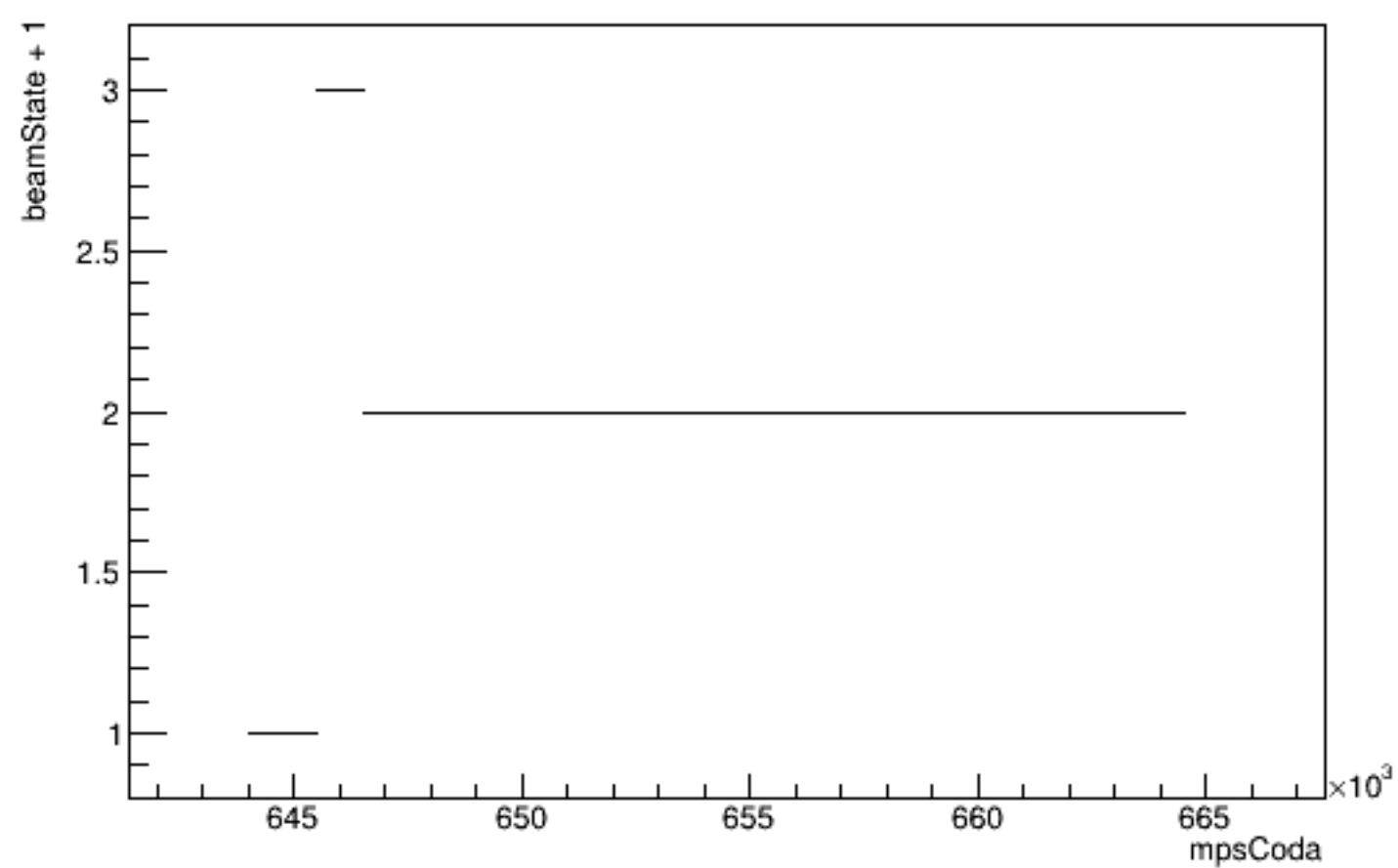
Acc0/NAcc0:mpsCoda (mpsCoda>=643988 && mpsCoda<=664531 && beamState==1)



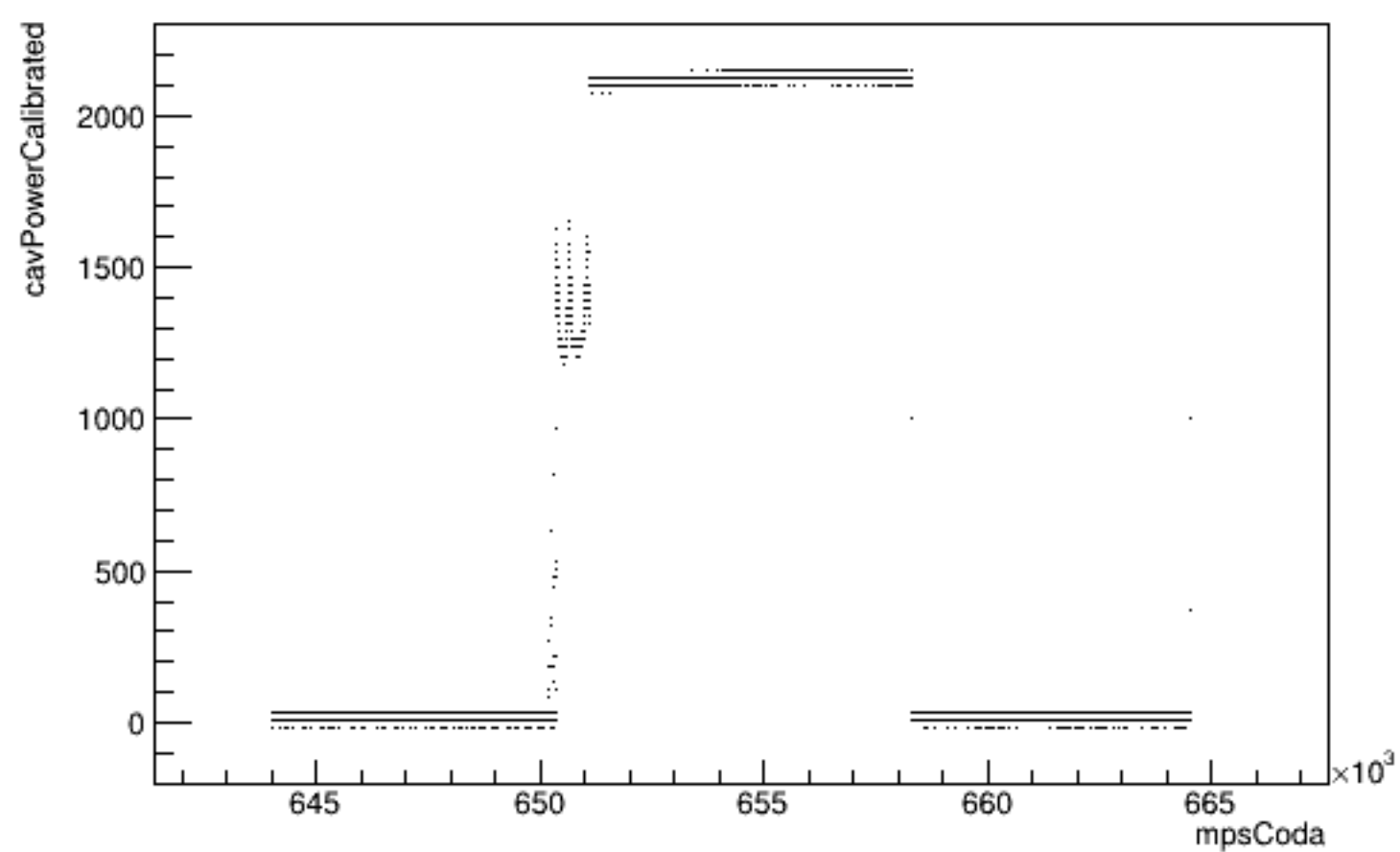
laserState:mpsCoda {mpsCoda&gt;=643988 &amp;&amp; mpsCoda&lt;=664531}



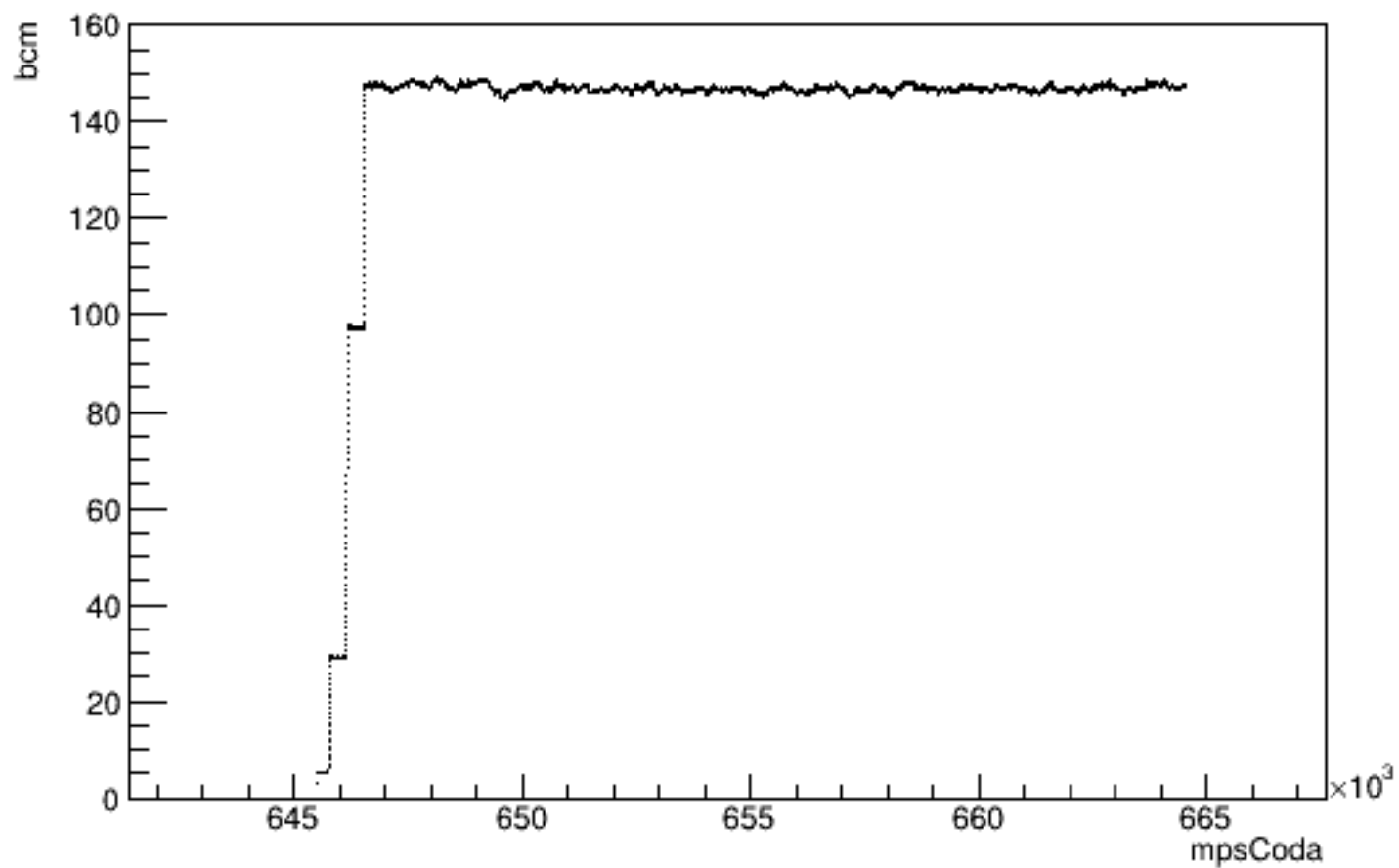
beamState + 1:mpsCoda {mpsCoda&gt;=643988 &amp;&amp; mpsCoda&lt;=664531}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=643988 &amp;&amp; mpsCoda&lt;=664531}



bcm:mpsCoda {mpsCoda&gt;=643988 &amp;&amp; mpsCoda&lt;=664531}



## Cycle 26, Diffs

Entries: 1544

Mean: 0.0024 +/- 0.0102

Std Dev: 0.4002 +/- 0.0072

Entries: 1801

Mean: -0.7729 +/- 0.0130

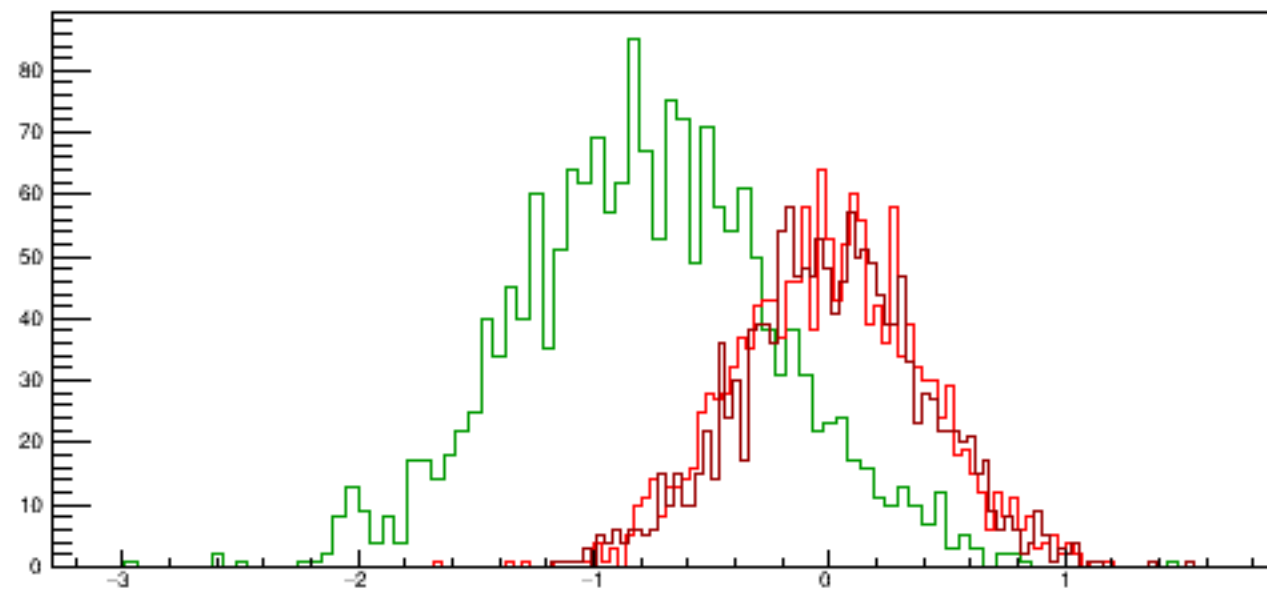
Std Dev: 0.5500 +/- 0.0092

Entries: 1550

Mean: 0.0114 +/- 0.0100

Std Dev: 0.3939 +/- 0.0071

Run 6089 quartetwise, Diffs



## Cycle 26, Sums

Entries: 1544

Mean: 6.9330 +/- 0.0110

Std Dev: 0.4321 +/- 0.0078

Entries: 1801

Mean: 31.5384 +/- 0.0152

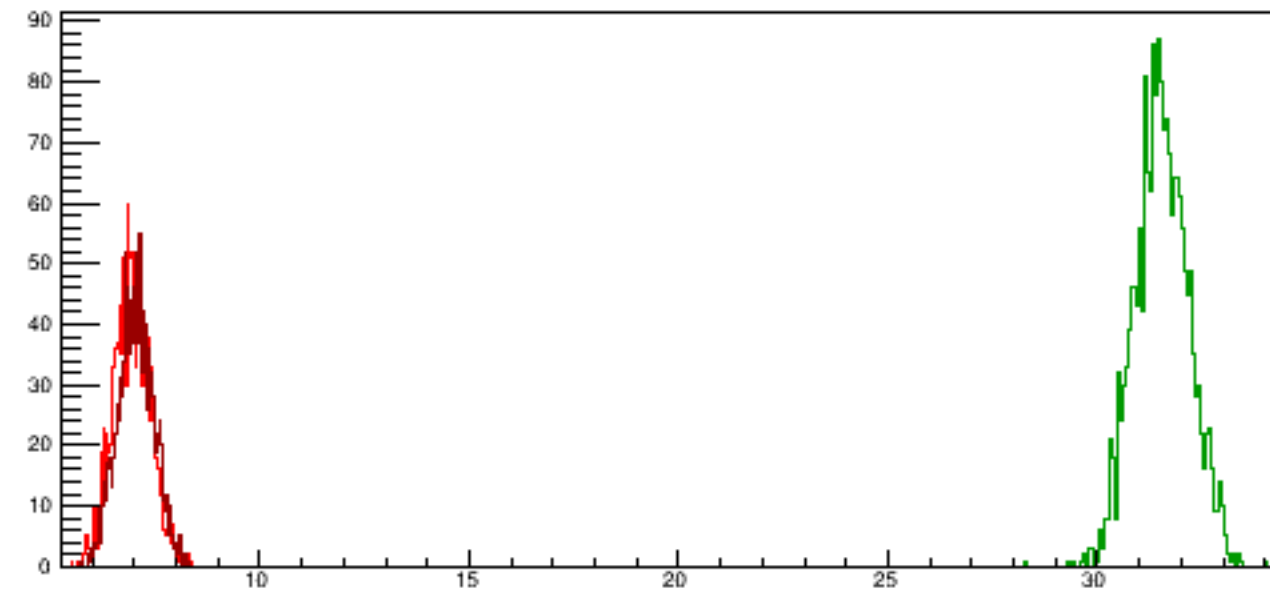
Std Dev: 0.6432 +/- 0.0107

Entries: 1550

Mean: 7.0332 +/- 0.0108

Std Dev: 0.4260 +/- 0.0077

Run 6089 quartetwise, Sums



## Cycle 26, Asyms

Entries: 1544

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

Entries: 1801

Mean: -0.0315 +/- 0.0005

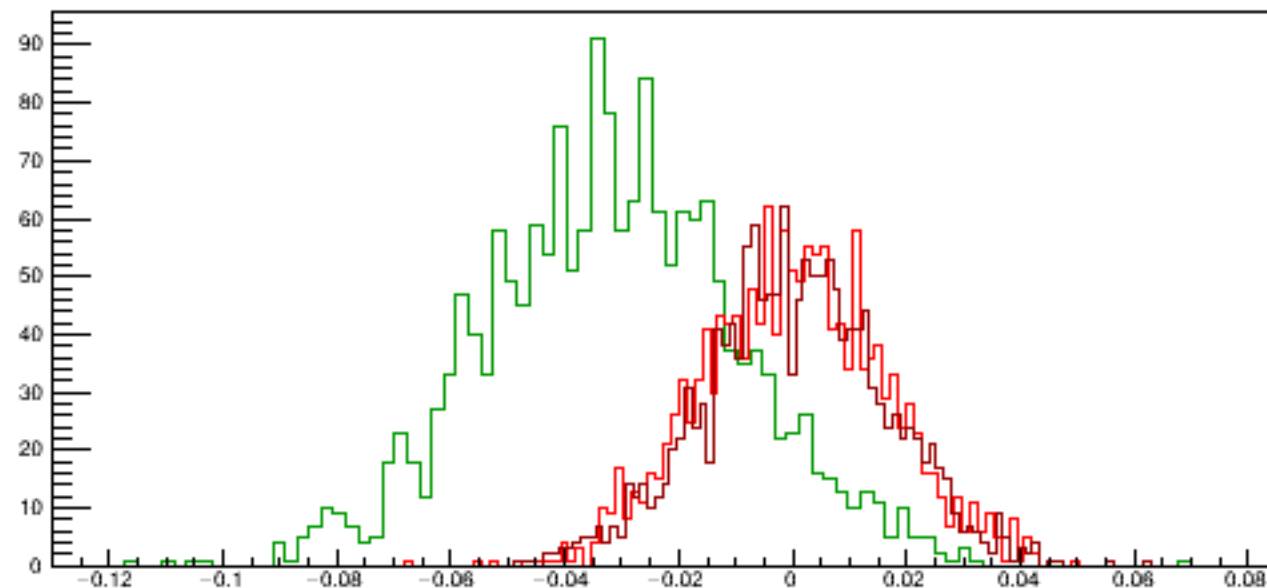
Std Dev: 0.0224 +/- 0.0004

Entries: 1550

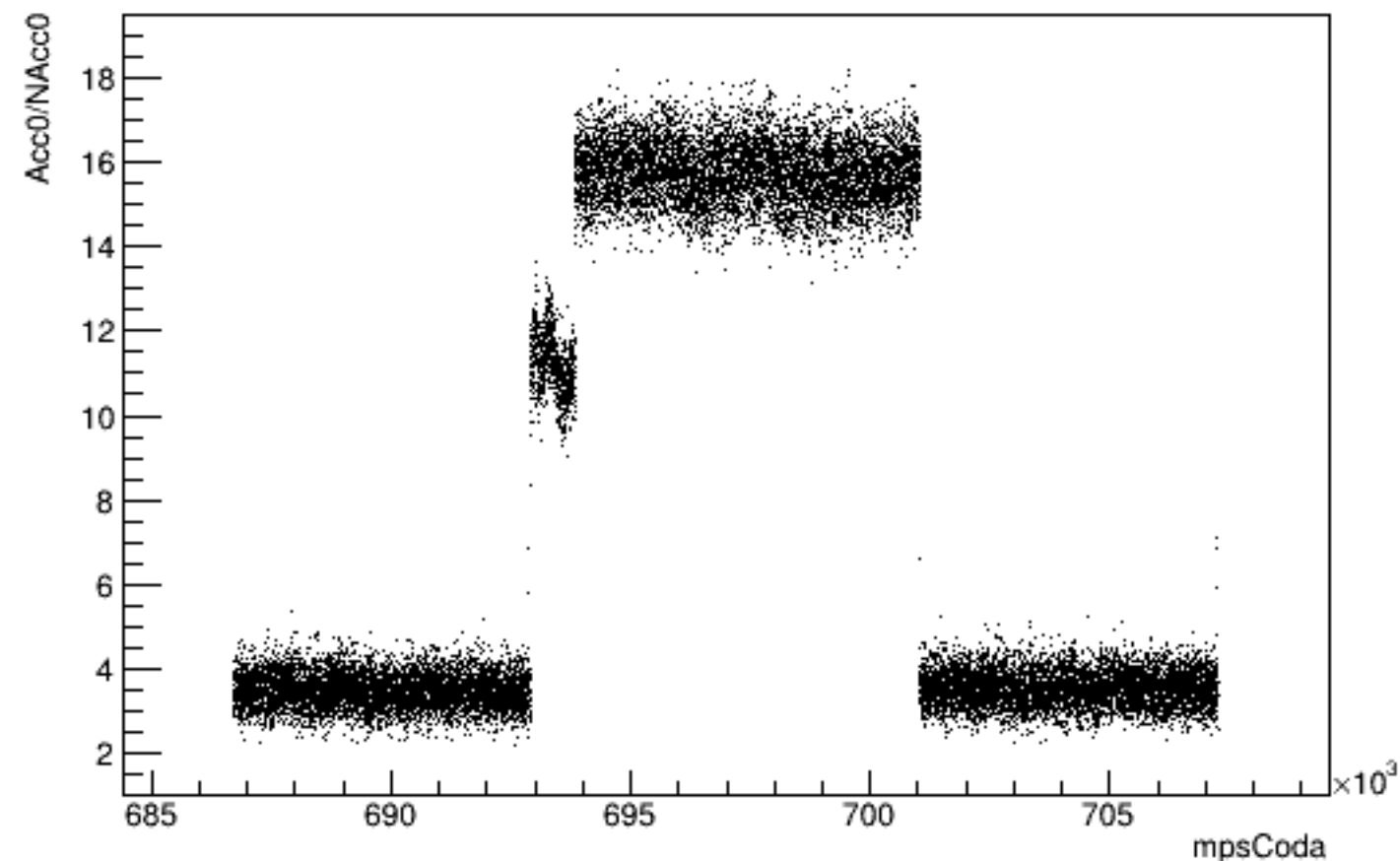
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0160 +/- 0.0003

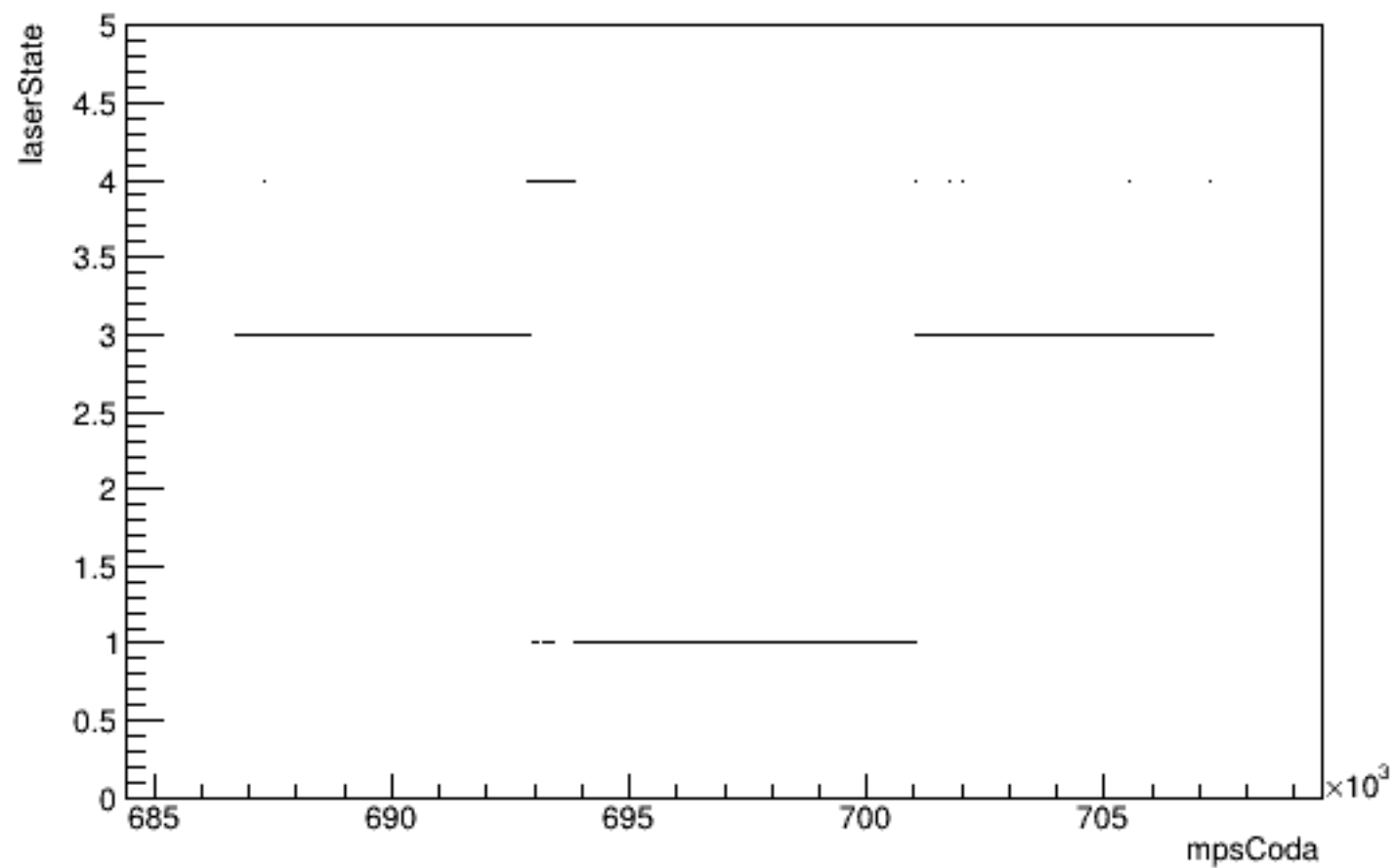
Run 6089 quartetwise, Asyms



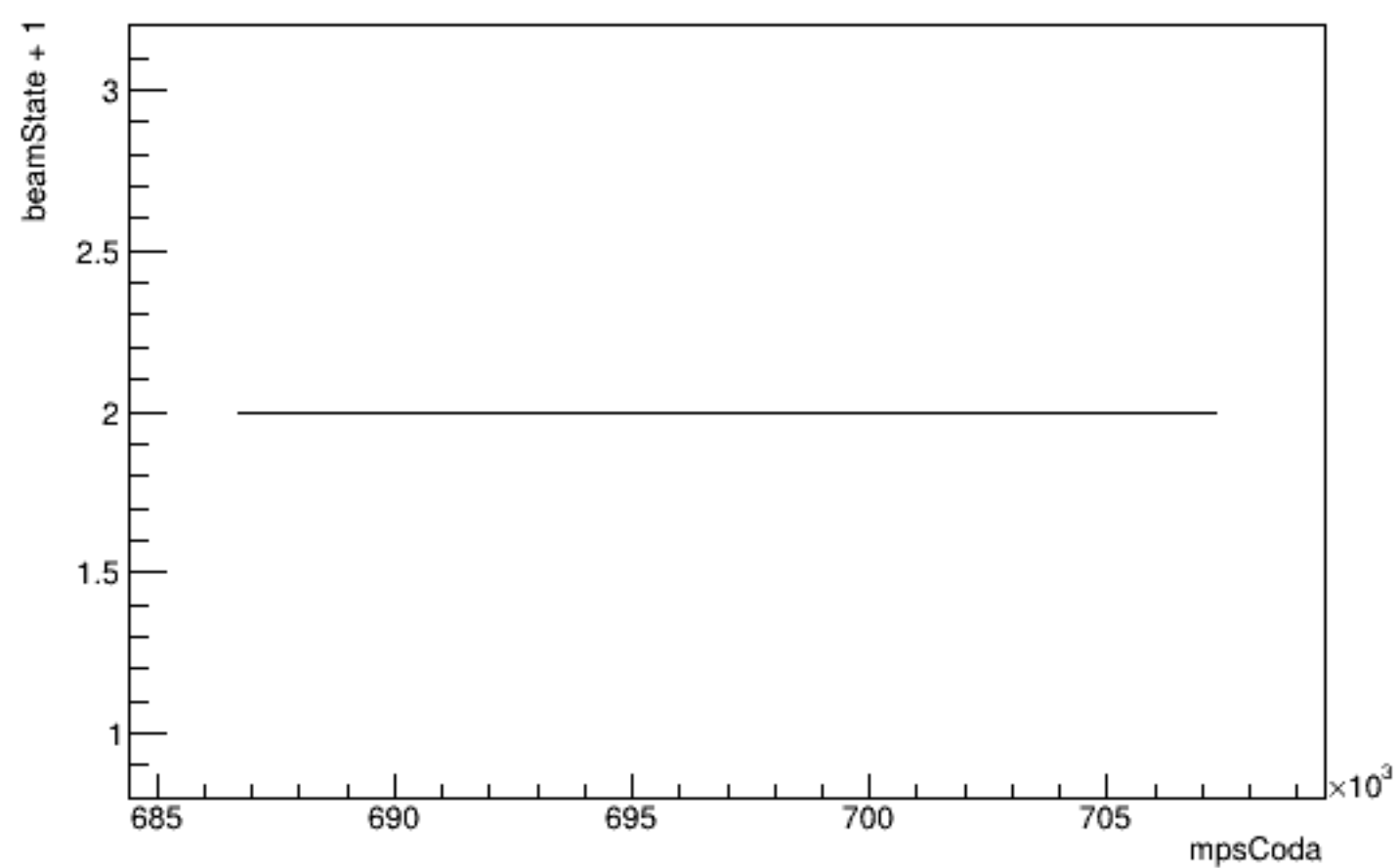
Acc0/NAcc0:mpsCoda (mpsCoda>=686716 && mpsCoda<=707263 && beamState==1)



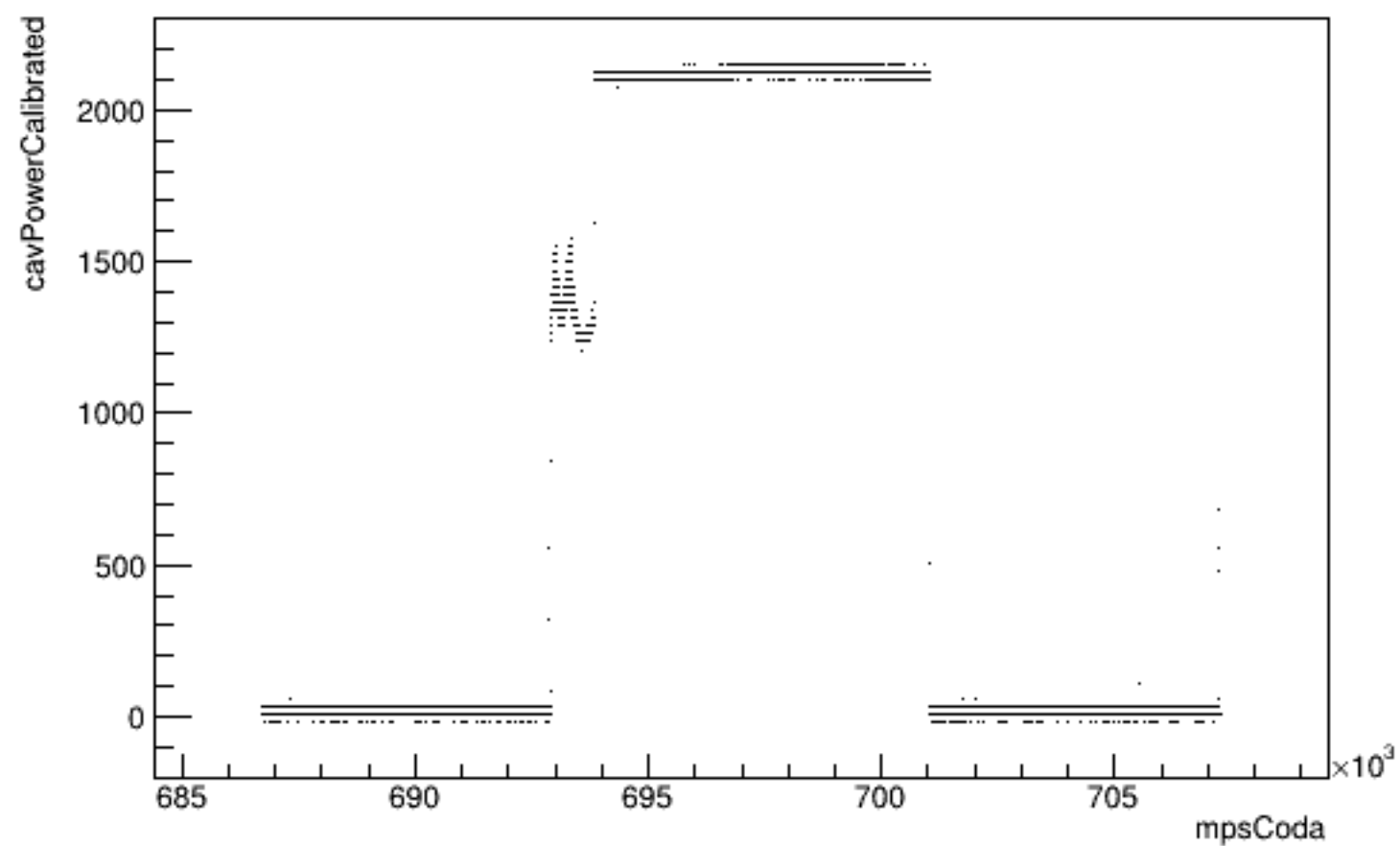
laserState:mpsCoda {mpsCoda&gt;=686716 &amp;&amp; mpsCoda&lt;=707263}



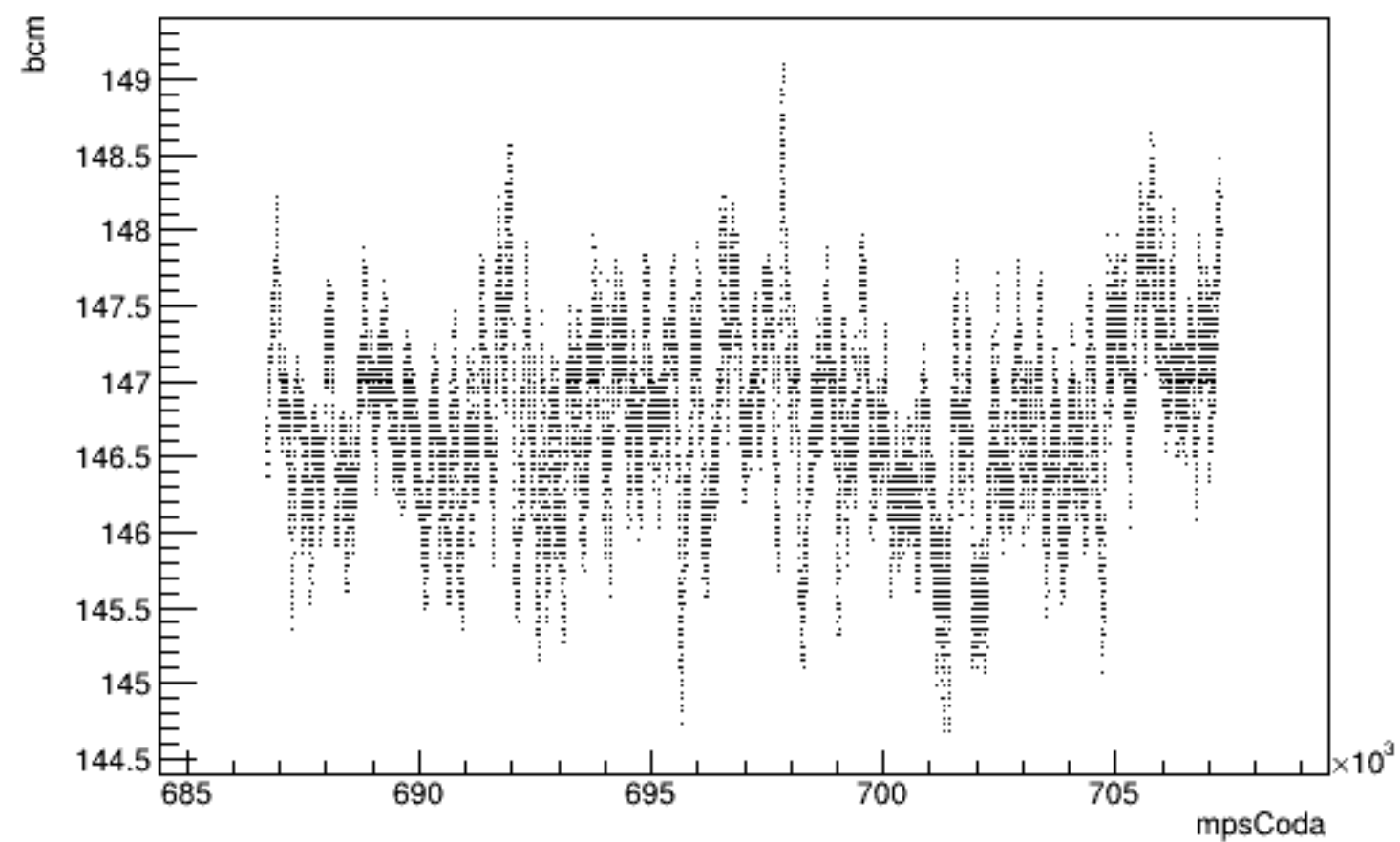
beamState + 1:mpsCoda {mpsCoda&gt;=686716 &amp;&amp; mpsCoda&lt;=707263}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=686716 &amp;&amp; mpsCoda&lt;=707263}



bcm:mpsCoda {mpsCoda&gt;=686716 &amp;&amp; mpsCoda&lt;=707263}



## Cycle 27, Diffs

Entries: 1550

Mean: 0.0114 +/- 0.0100

Std Dev: 0.3939 +/- 0.0071

Entries: 1813

Mean: -0.7869 +/- 0.0125

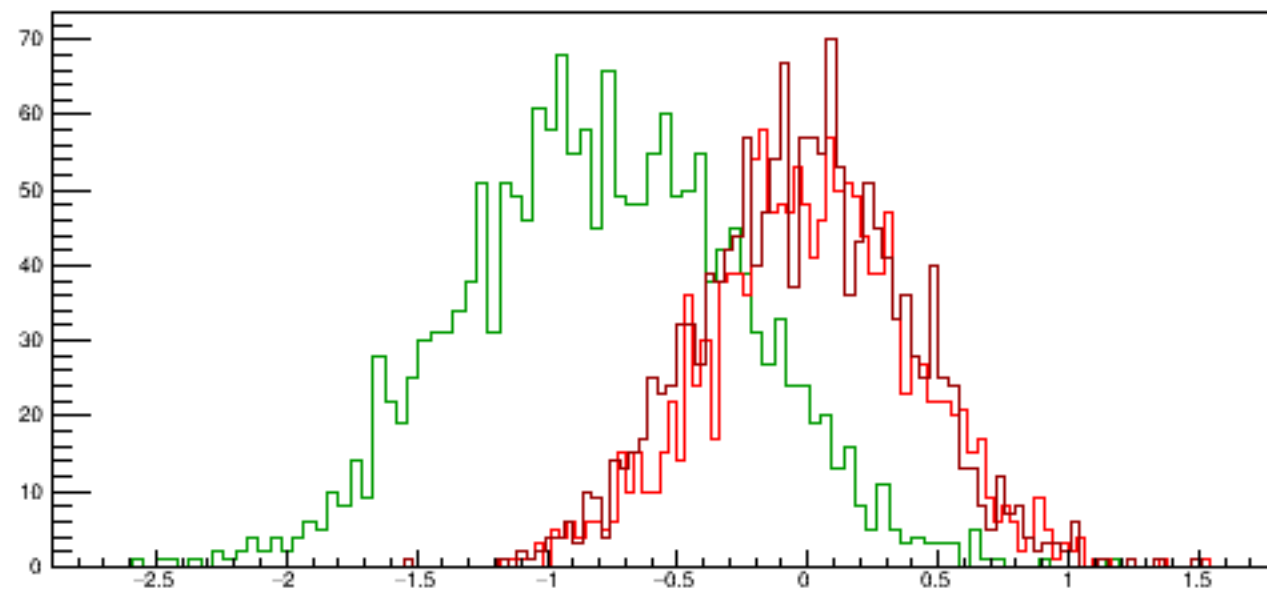
Std Dev: 0.5332 +/- 0.0089

Entries: 1543

Mean: -0.0200 +/- 0.0101

Std Dev: 0.3985 +/- 0.0072

Run 6089 quartetwise, Diffs



## Cycle 27, Sums

Entries: 1550

Mean: 7.0332 +/- 0.0108

Std Dev: 0.4260 +/- 0.0077

Entries: 1813

Mean: 32.0092 +/- 0.0204

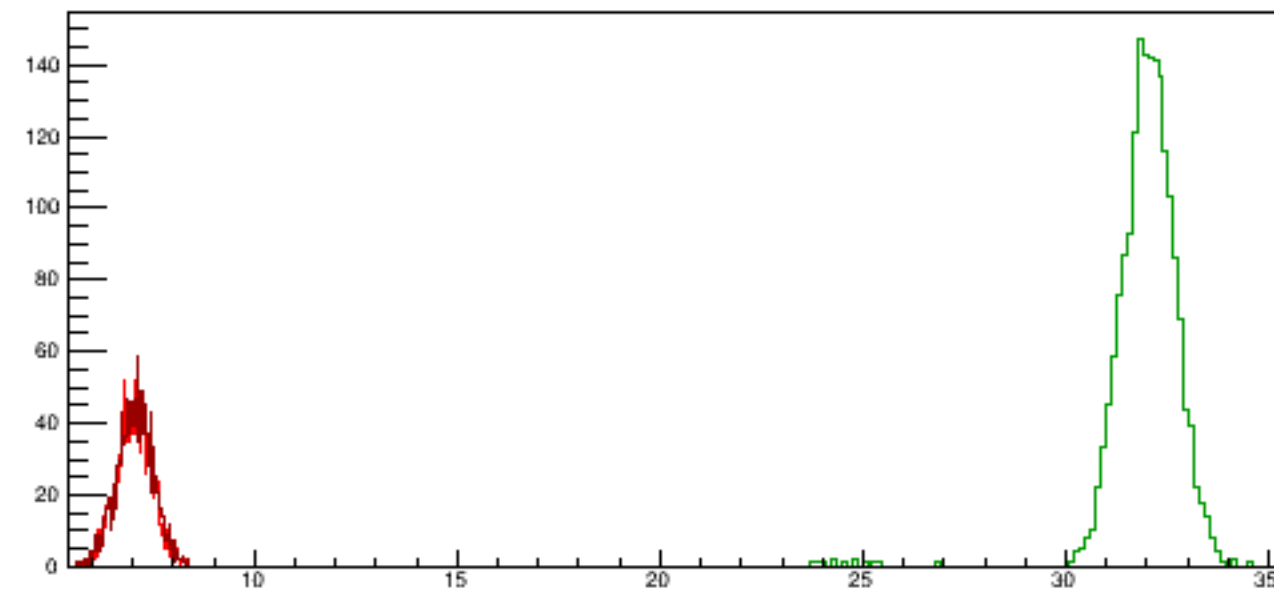
Std Dev: 0.8672 +/- 0.0144

Entries: 1543

Mean: 7.0634 +/- 0.0113

Std Dev: 0.4443 +/- 0.0080

Run 6089 quartetwise, Sums



## Cycle 27, Asyms

Entries: 1550

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0158 +/- 0.0003

Entries: 1813

Mean: -0.0316 +/- 0.0005

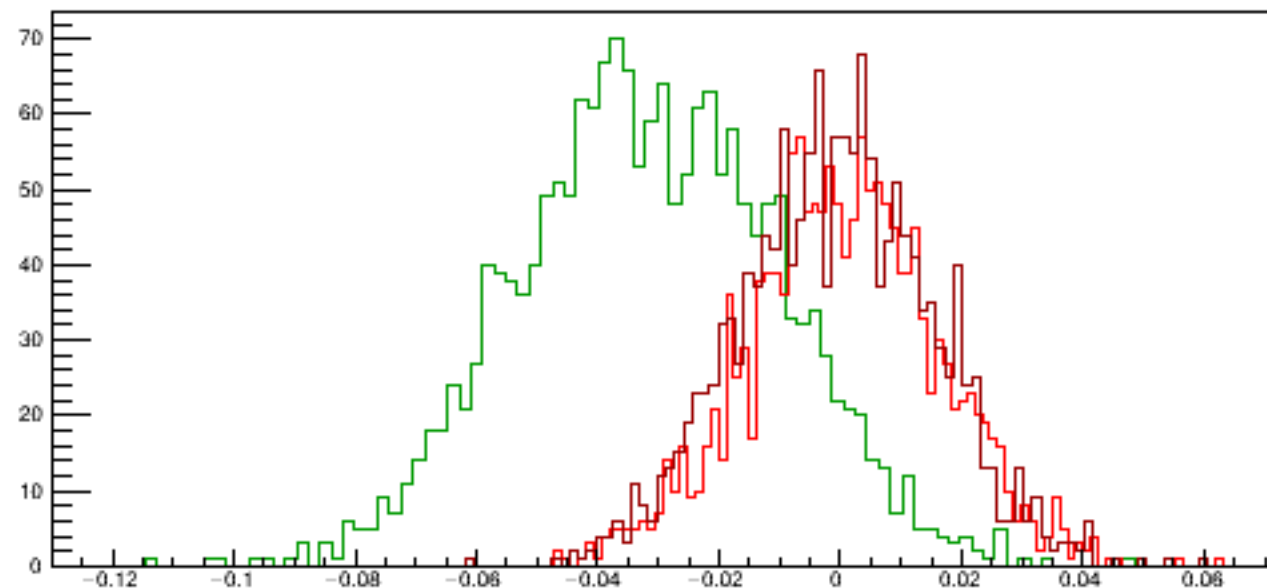
Std Dev: 0.0214 +/- 0.0004

Entries: 1543

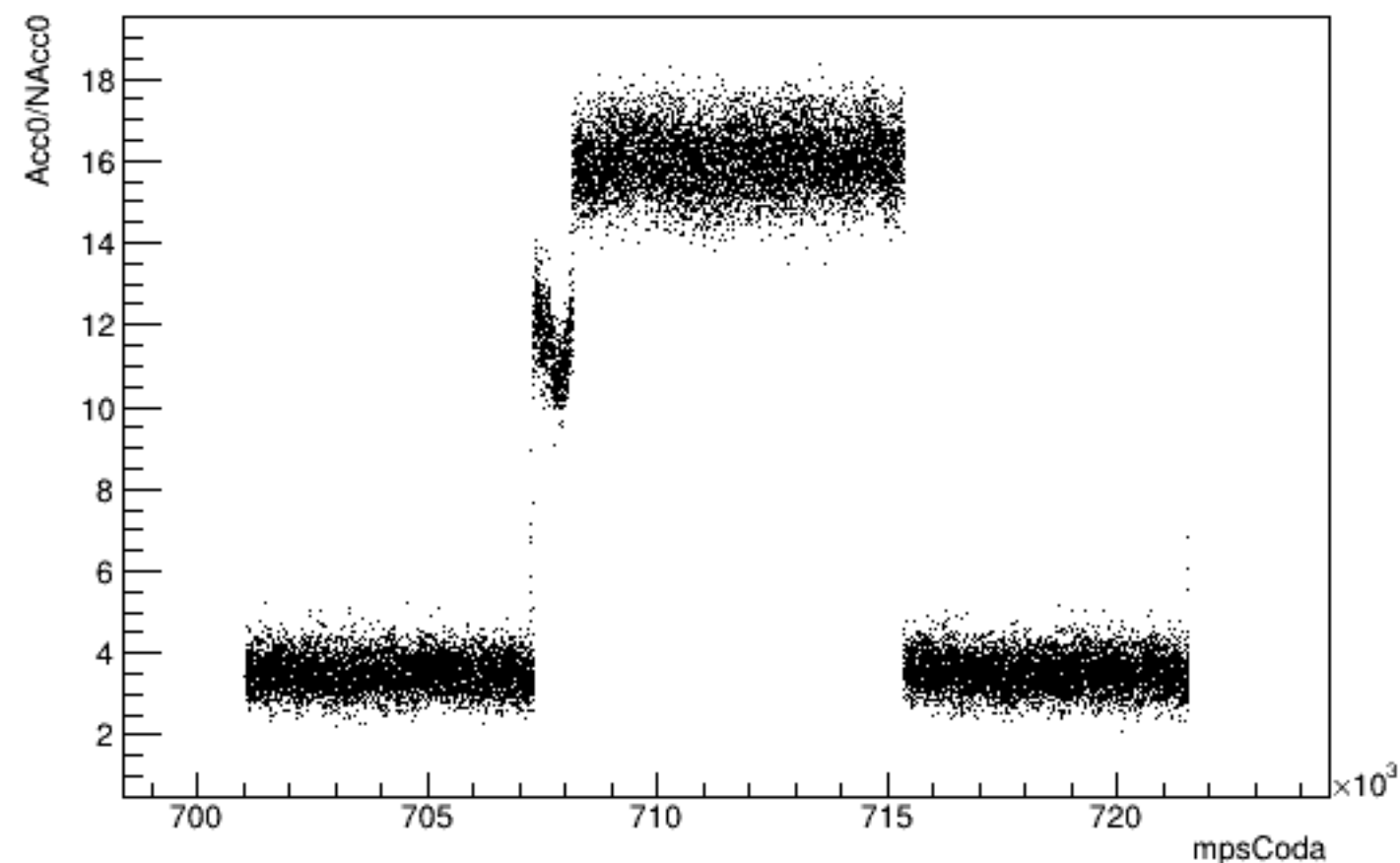
Mean: -0.0008 +/- 0.0004

Std Dev: 0.0160 +/- 0.0003

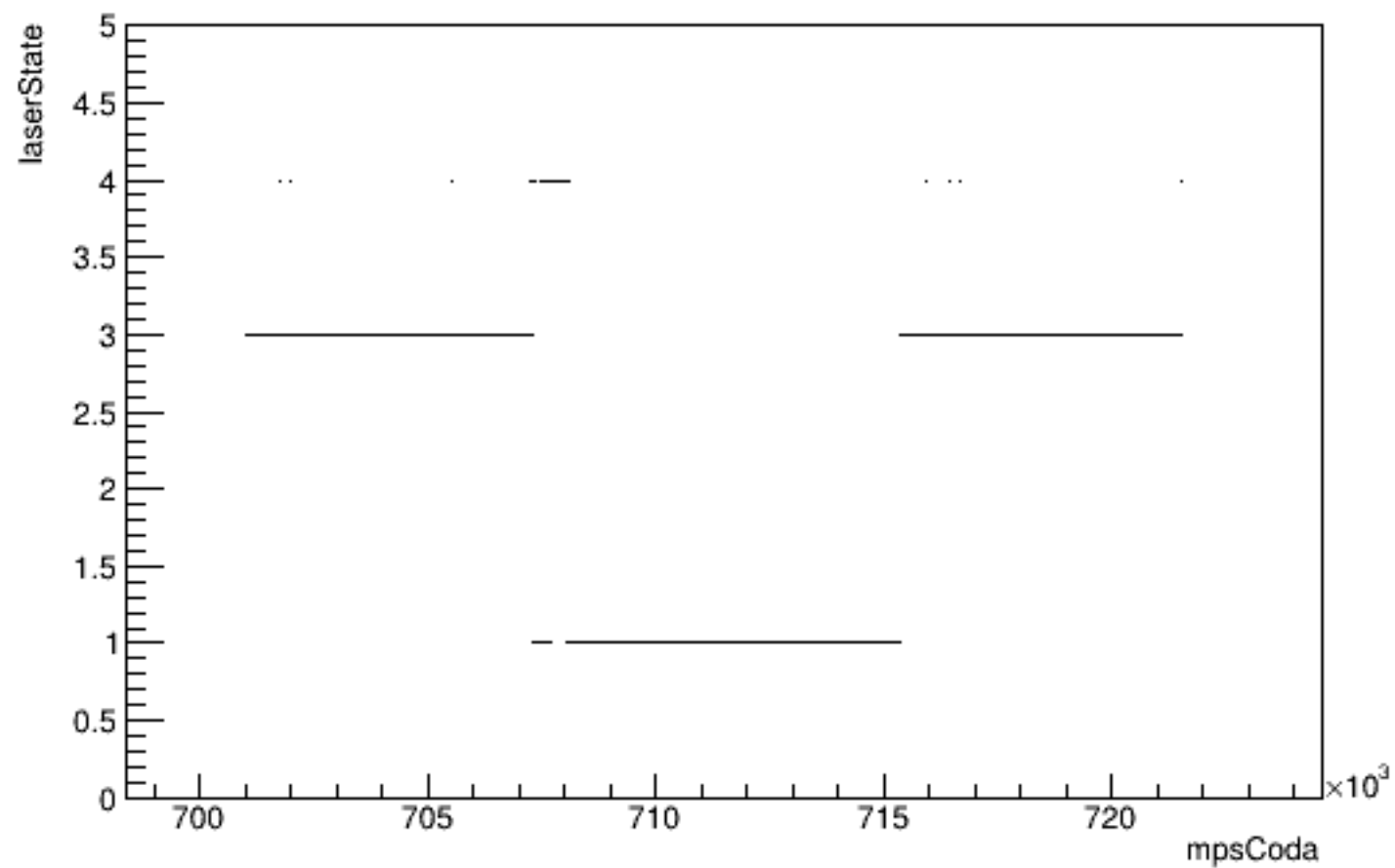
Run 6089 quartetwise, Asyms



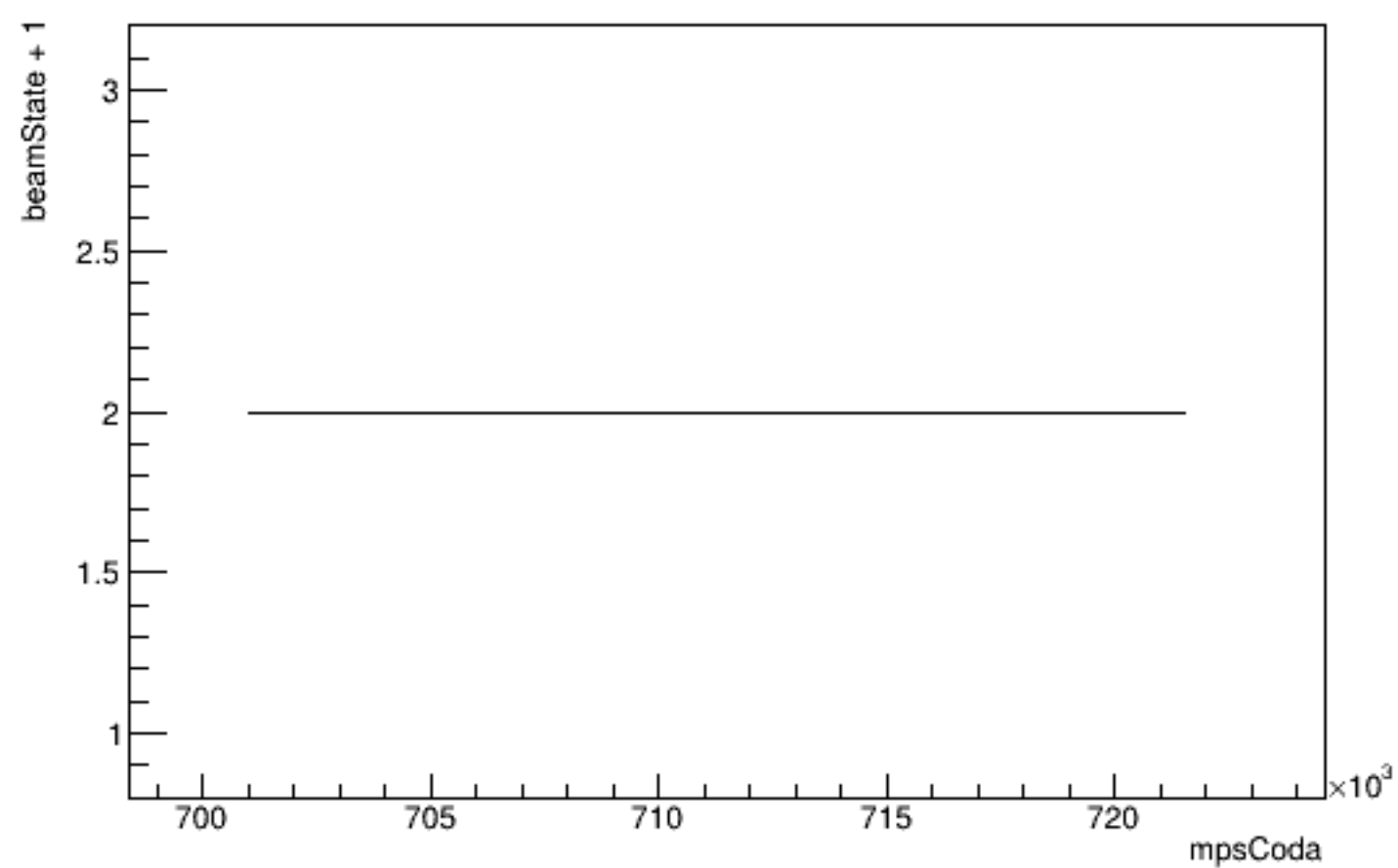
Acc0/NAcc0:mpsCoda (mpsCoda>=701040 && mpsCoda<=721551 && beamState==1)



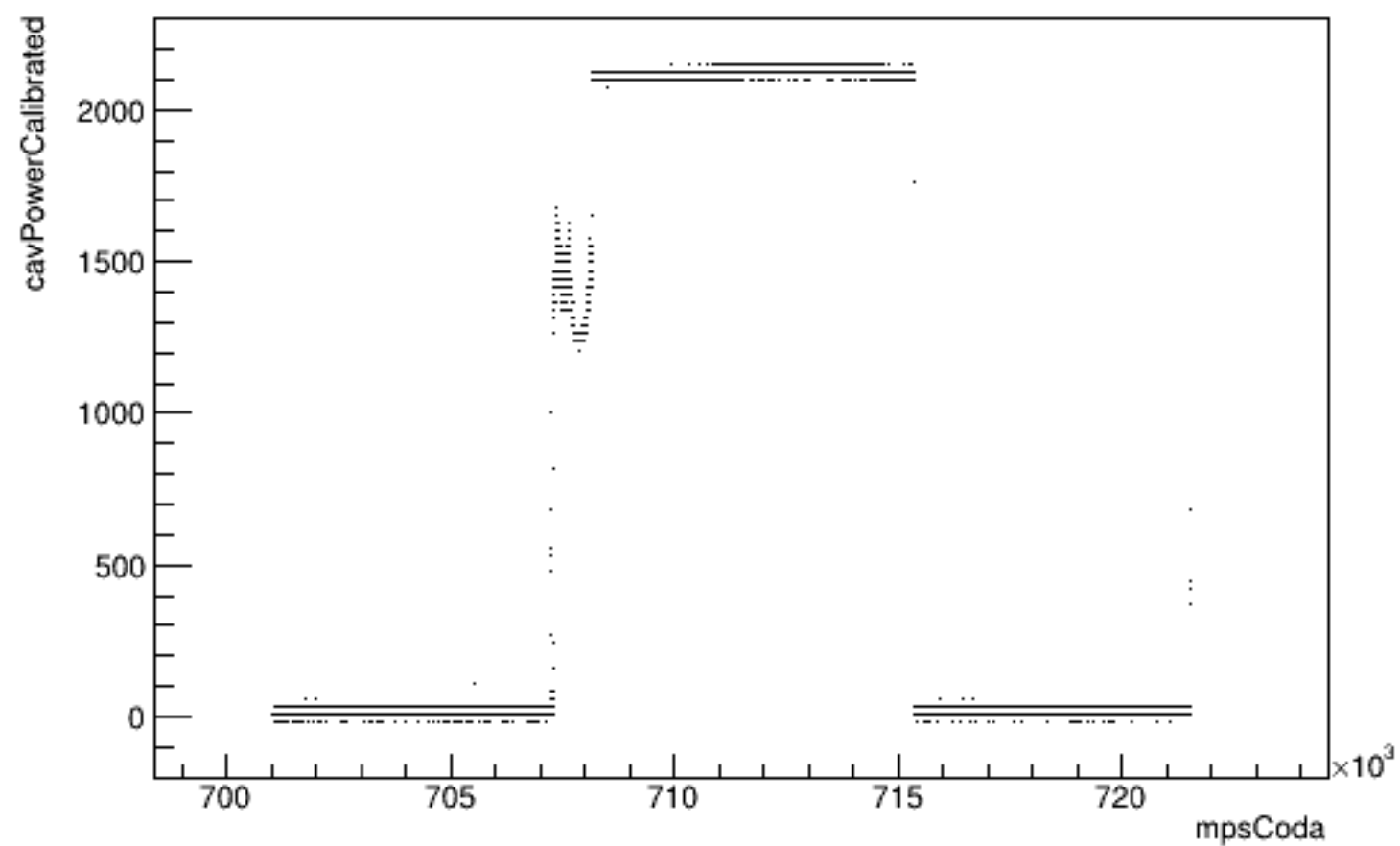
laserState:mpsCoda {mpsCoda&gt;=701040 &amp;&amp; mpsCoda&lt;=721551}



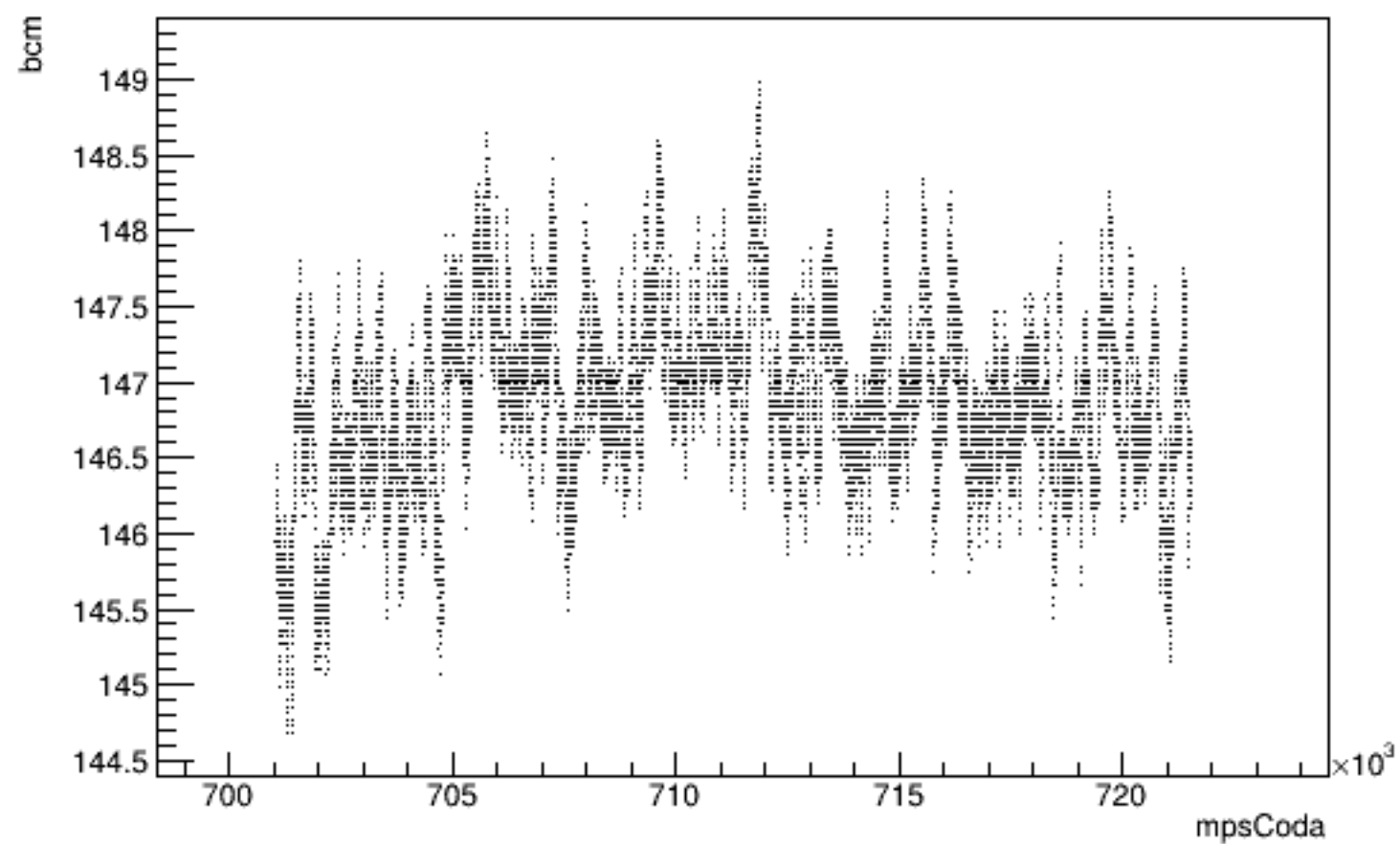
beamState + 1:mpsCoda {mpsCoda&gt;=701040 &amp;&amp; mpsCoda&lt;=721551}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=701040 &amp;&amp; mpsCoda&lt;=721551}



bcm:mpsCoda {mpsCoda&gt;=701040 &amp;&amp; mpsCoda&lt;=721551}



# Cycle 28, Diffs

**Entries: 1543**

**Mean: -0.0200 +/- 0.0101**

**Std Dev: 0.3985 +/- 0.0072**

**Entries: 1875**

**Mean: -0.7487 +/- 0.0128**

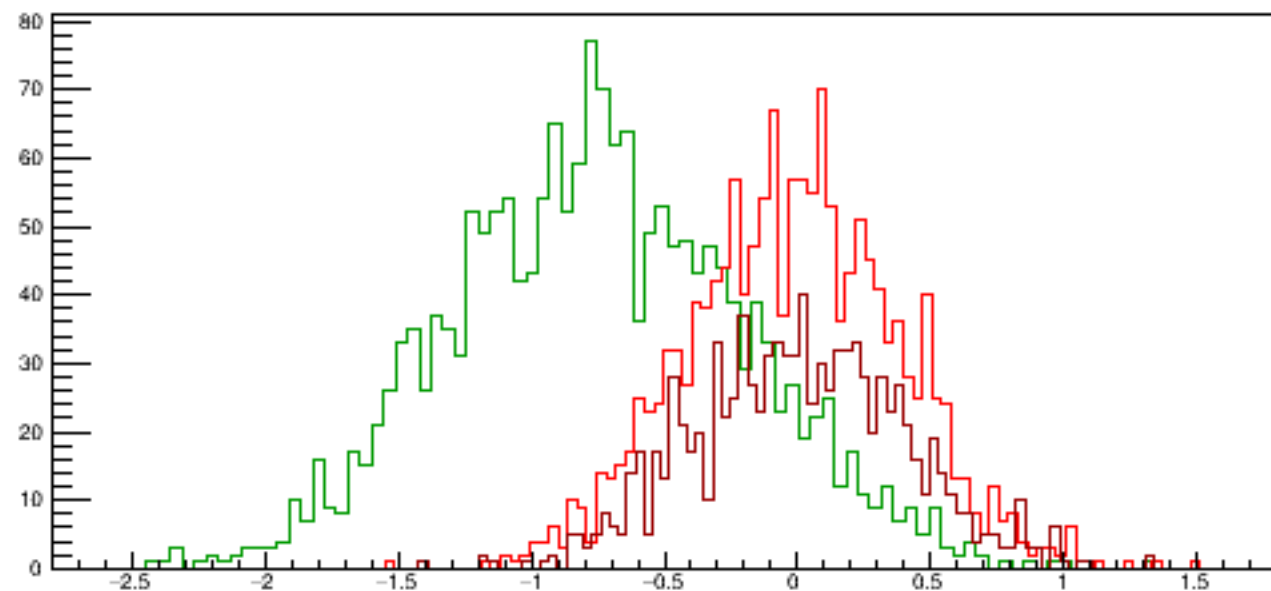
**Std Dev: 0.5542 +/- 0.0090**

**Entries: 998**

**Mean: 0.0036 +/- 0.0126**

**Std Dev: 0.3971 +/- 0.0089**

Run 6089 quartetwise, Diffs



# Cycle 28, Sums

**Entries: 1543**

**Mean: 7.0634 +/- 0.0113**

**Std Dev: 0.4443 +/- 0.0080**

**Entries: 1875**

**Mean: 31.3433 +/- 0.0367**

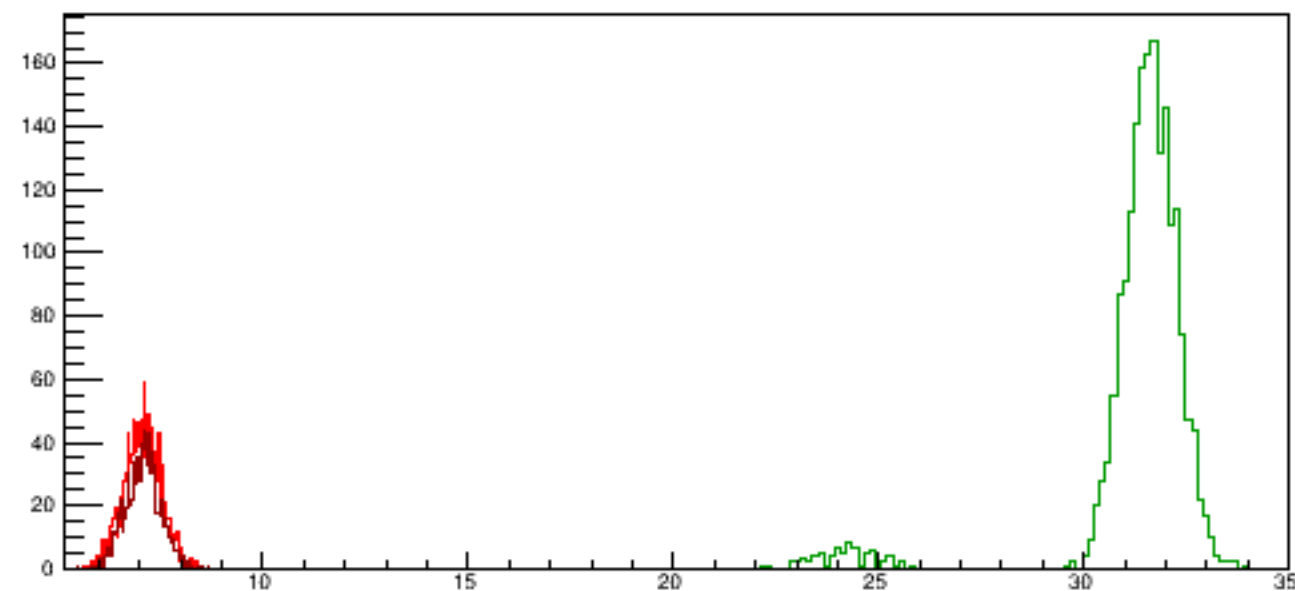
**Std Dev: 1.5905 +/- 0.0260**

**Entries: 998**

**Mean: 7.0741 +/- 0.0136**

**Std Dev: 0.4293 +/- 0.0096**

Run 6089 quartetwise, Sums



Acc0/NAcc0:mpsCoda (mpsCoda>=715360 && mpsCoda<=735639 && beamState==1)

# Cycle 28, Asyms

**Entries: 1543**

**Mean: -0.0008 +/- 0.0004**

**Std Dev: 0.0164 +/- 0.0003**

**Entries: 1875**

**Mean: -0.0309 +/- 0.0005**

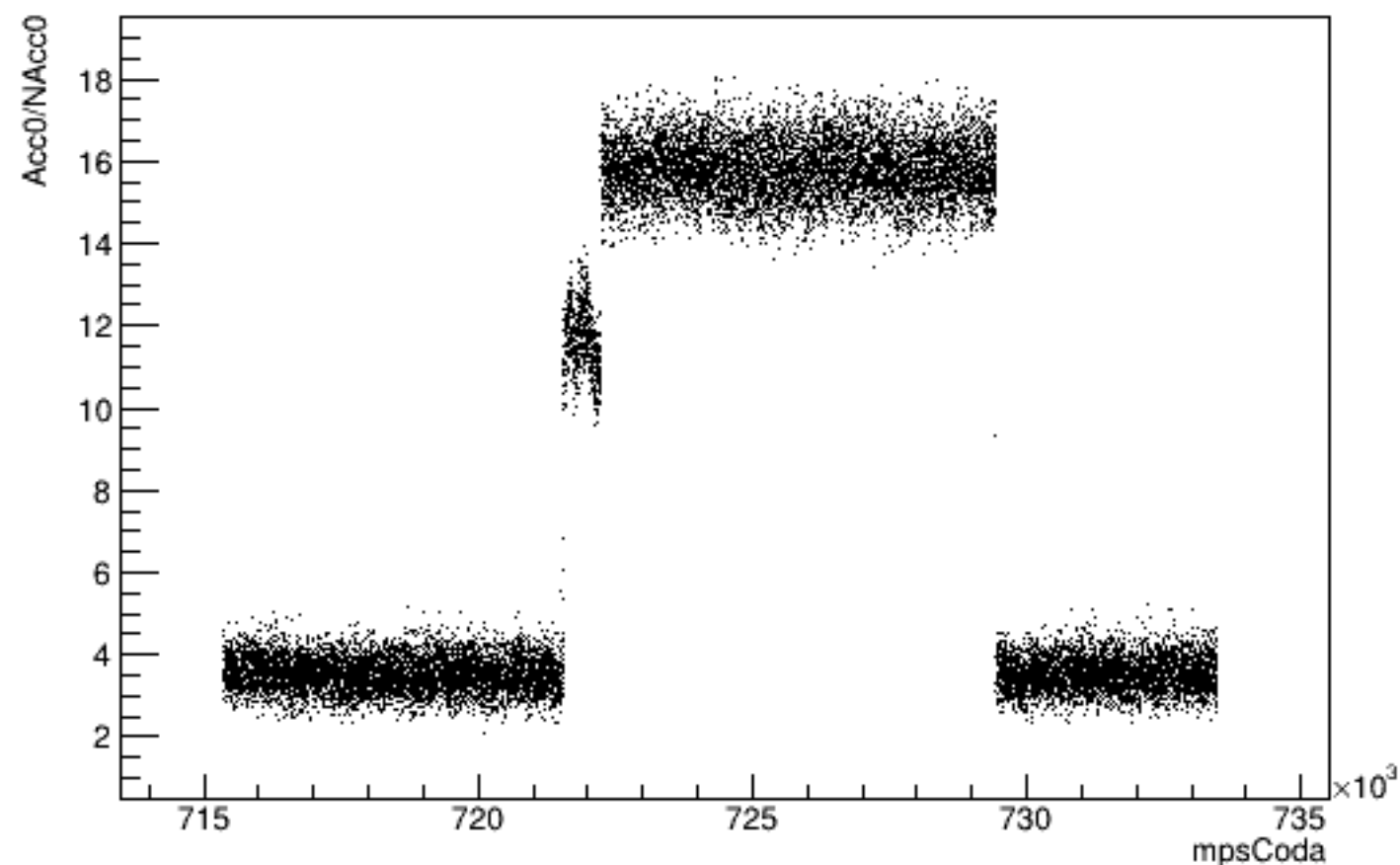
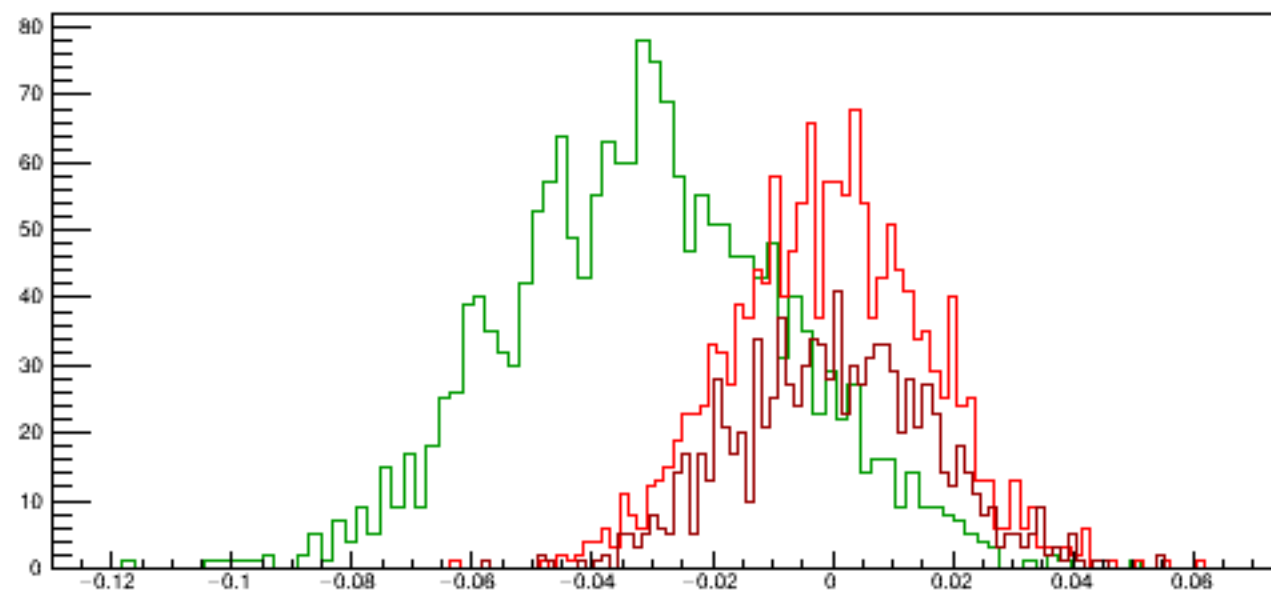
**Std Dev: 0.0230 +/- 0.0004**

**Entries: 998**

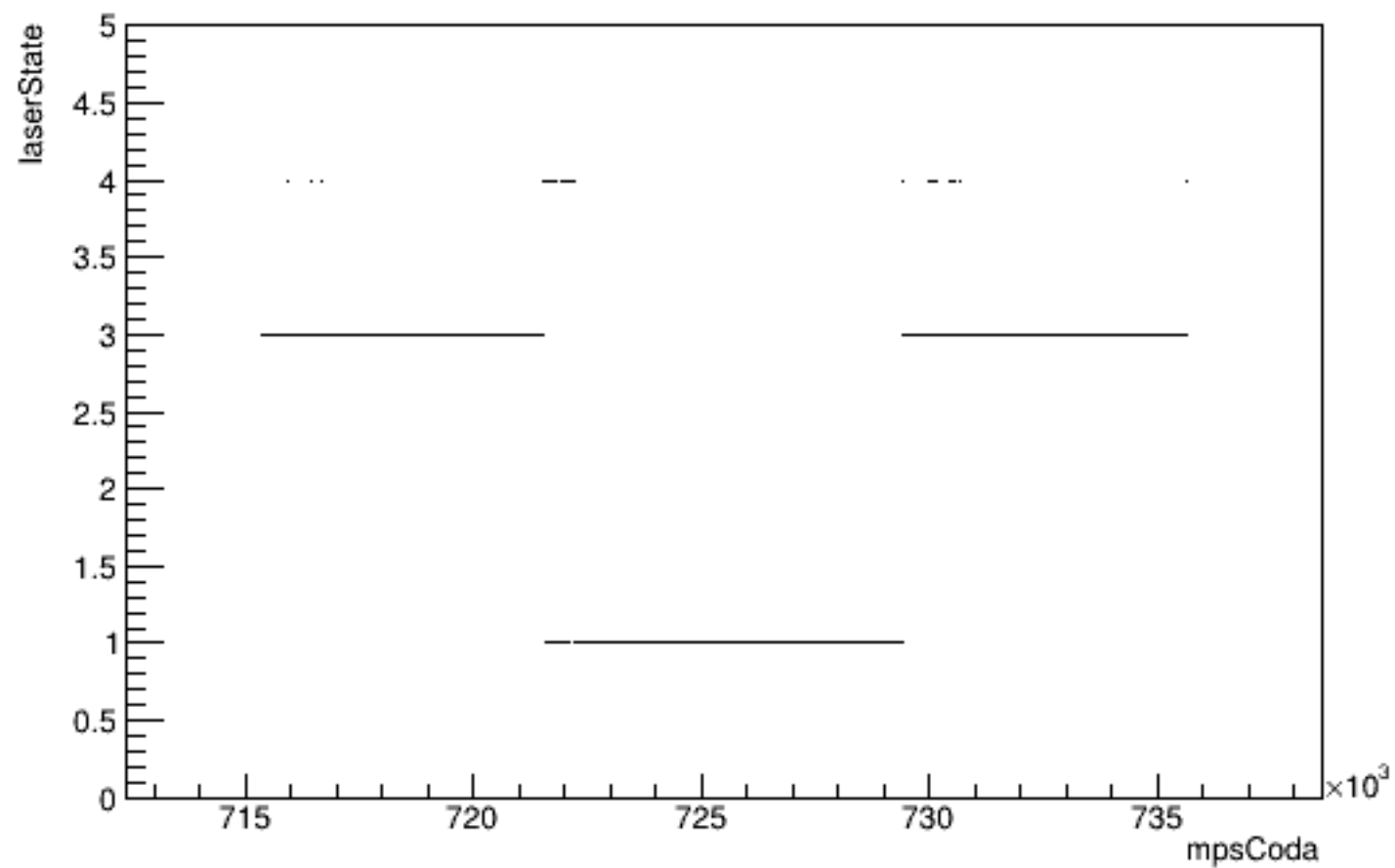
**Mean: 0.0001 +/- 0.0005**

**Std Dev: 0.0164 +/- 0.0004**

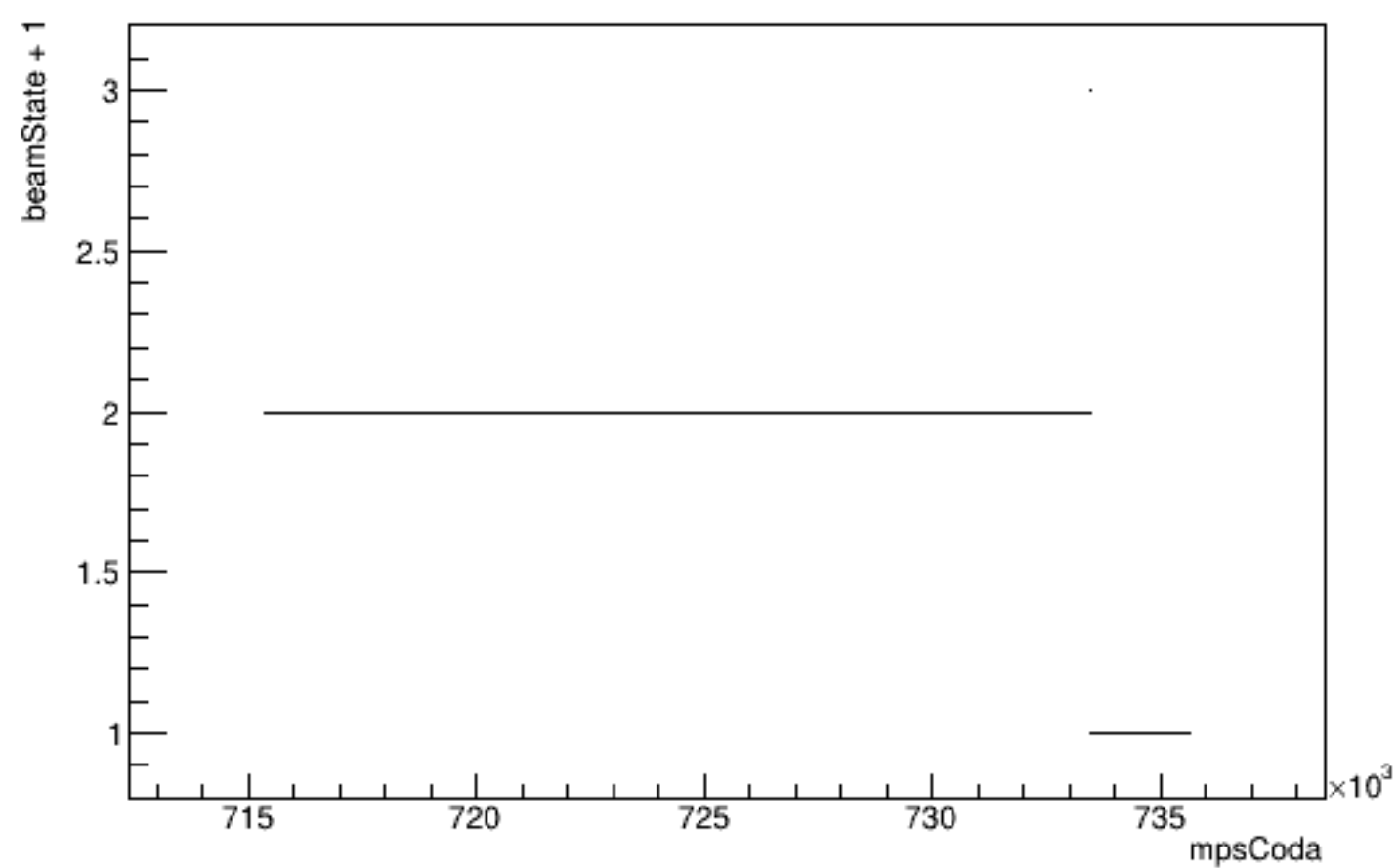
Run 6089 quartetwise, Asyms



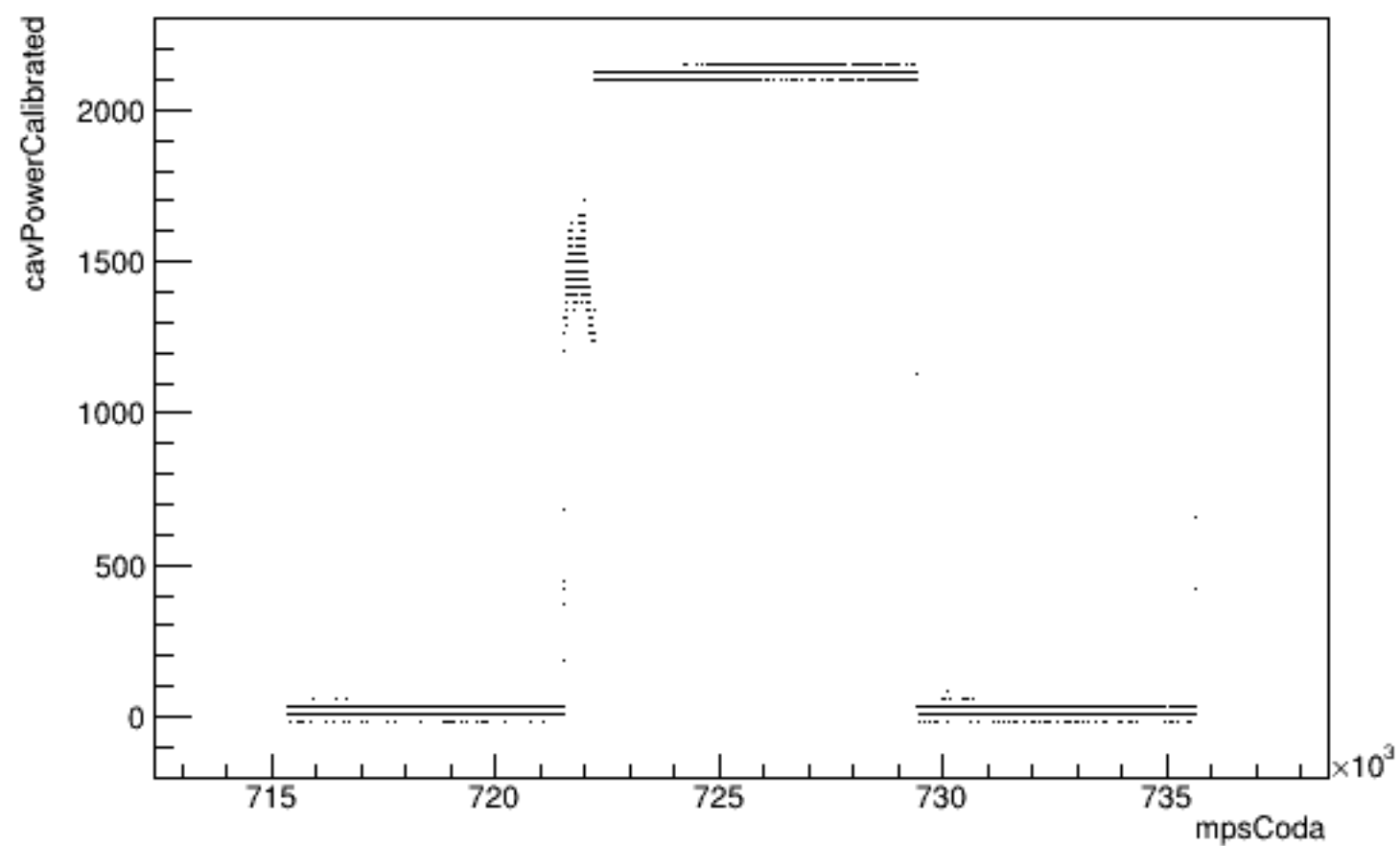
laserState:mpsCoda {mpsCoda&gt;=715360 &amp;&amp; mpsCoda&lt;=735639}



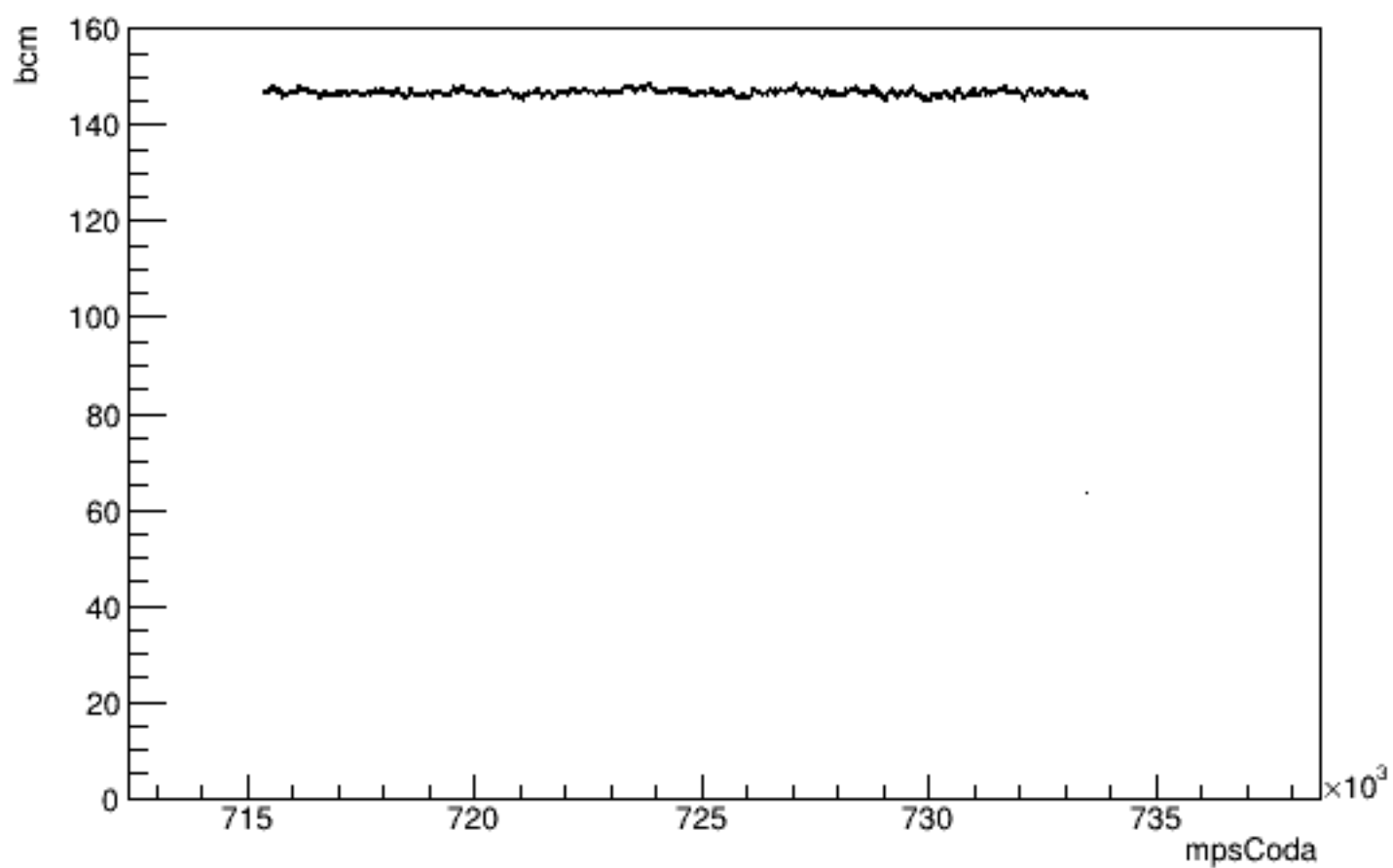
beamState + 1:mpsCoda {mpsCoda&gt;=715360 &amp;&amp; mpsCoda&lt;=735639}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=715360 &amp;&amp; mpsCoda&lt;=735639}



bcm:mpsCoda {mpsCoda&gt;=715360 &amp;&amp; mpsCoda&lt;=735639}

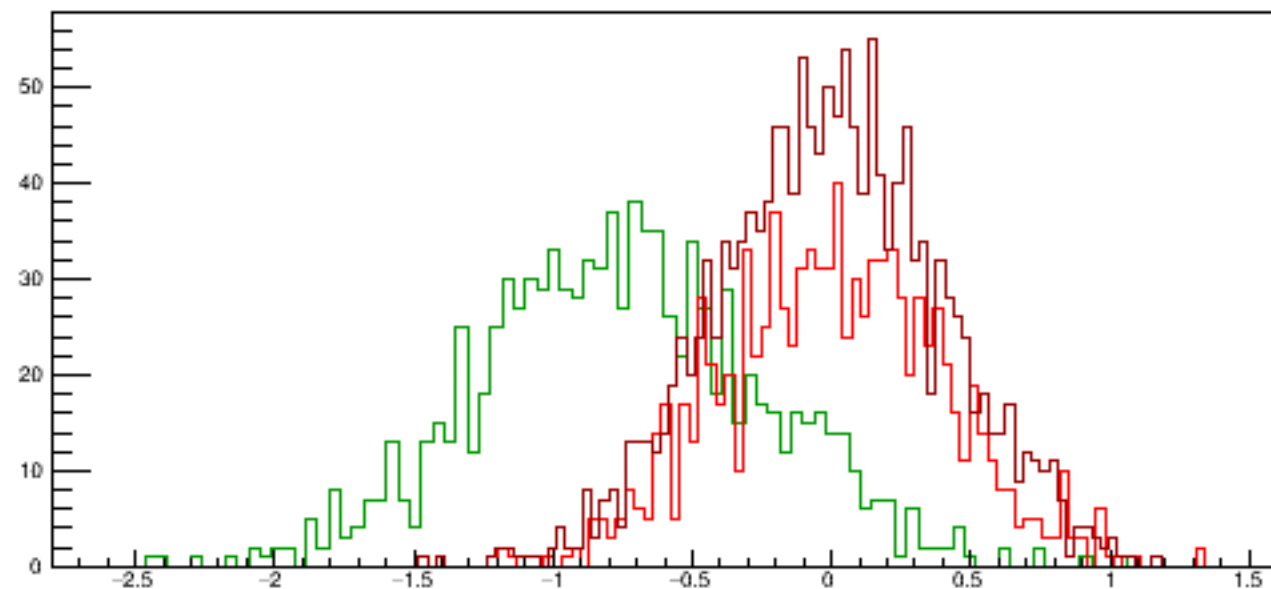




## Cycle 29, Diffs

<b>Entries: 998</b> <b>Mean: 0.0036 +/- 0.0126</b> <b>Std Dev: 0.3971 +/- 0.0089</b>	<b>Entries: 998</b> <b>Mean: -0.7534 +/- 0.0162</b> <b>Std Dev: 0.5105 +/- 0.0114</b>	<b>Entries: 1544</b> <b>Mean: -0.0092 +/- 0.0102</b> <b>Std Dev: 0.4021 +/- 0.0072</b>
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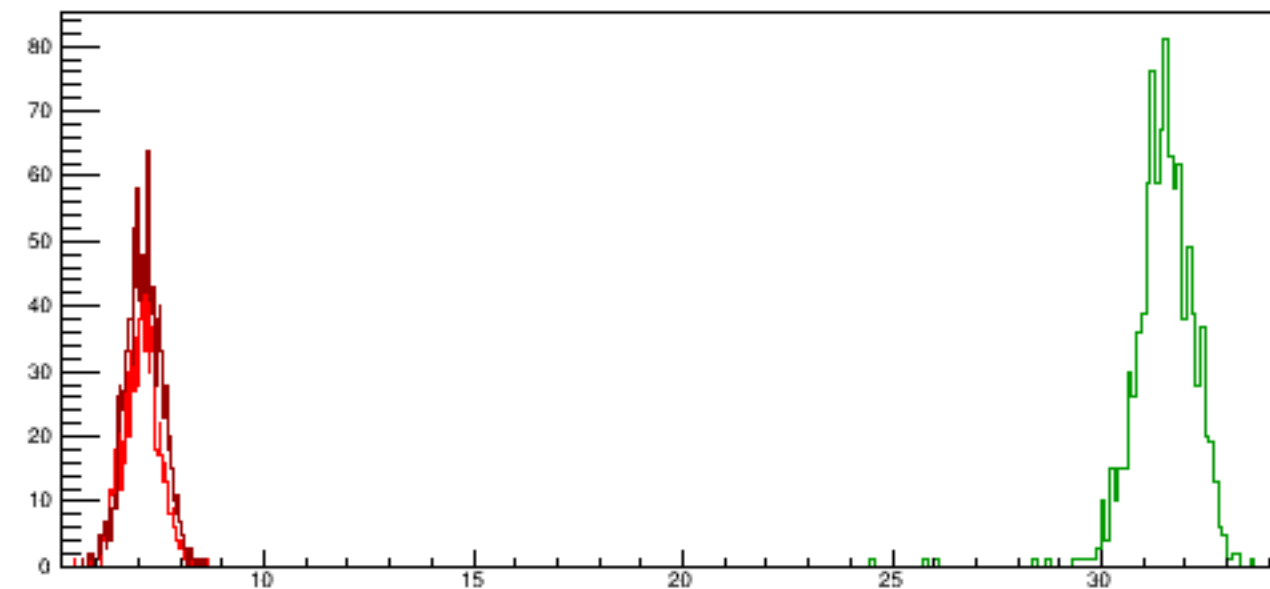
Run 6089 quartetwise, Diffs



## Cycle 29, Sums

<b>Entries: 998</b> <b>Mean: 7.0741 +/- 0.0136</b> <b>Std Dev: 0.4293 +/- 0.0096</b>	<b>Entries: 998</b> <b>Mean: 31.4980 +/- 0.0231</b> <b>Std Dev: 0.7301 +/- 0.0163</b>	<b>Entries: 1544</b> <b>Mean: 7.1210 +/- 0.0110</b> <b>Std Dev: 0.4330 +/- 0.0078</b>
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Run 6089 quartetwise, Sums

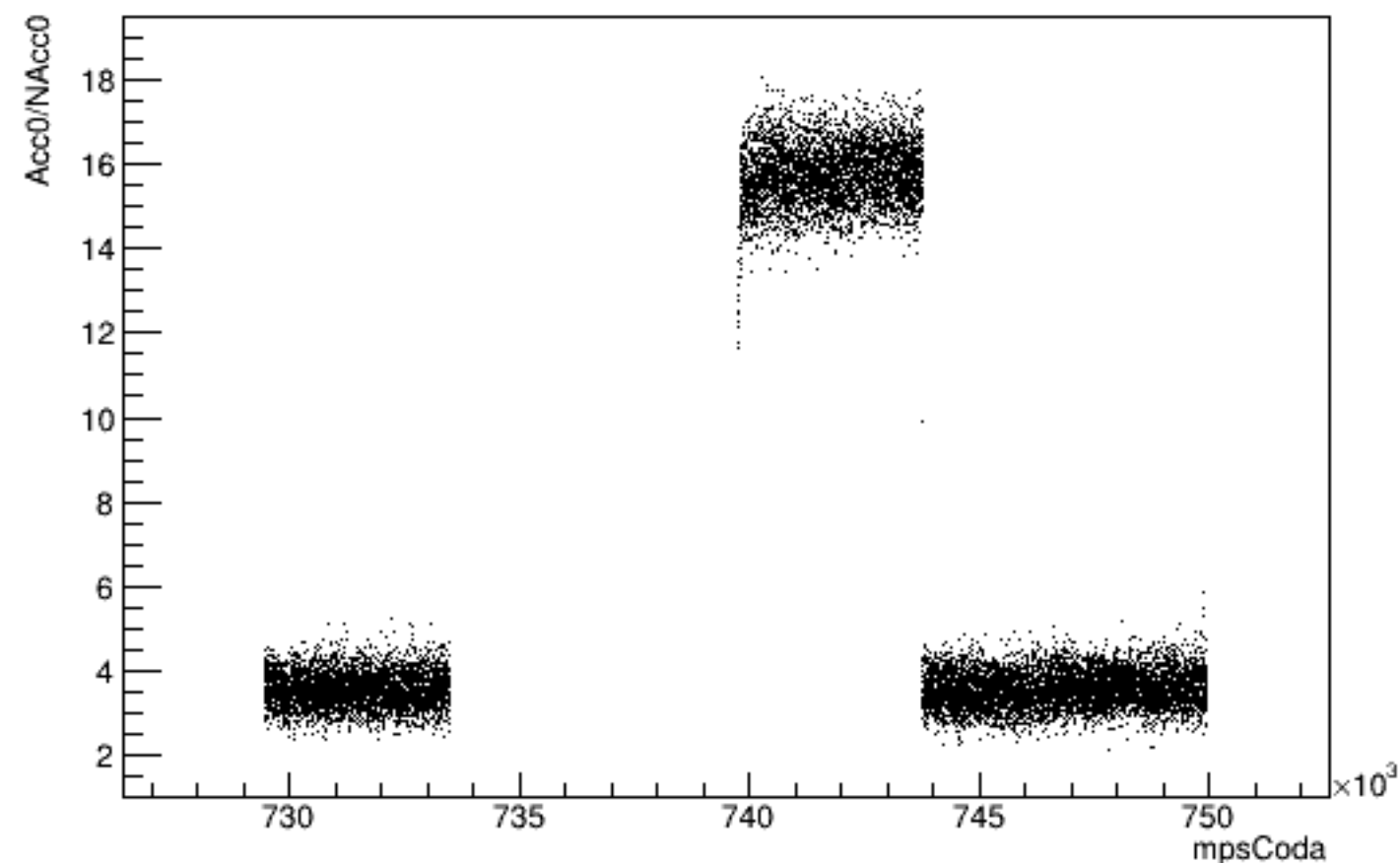
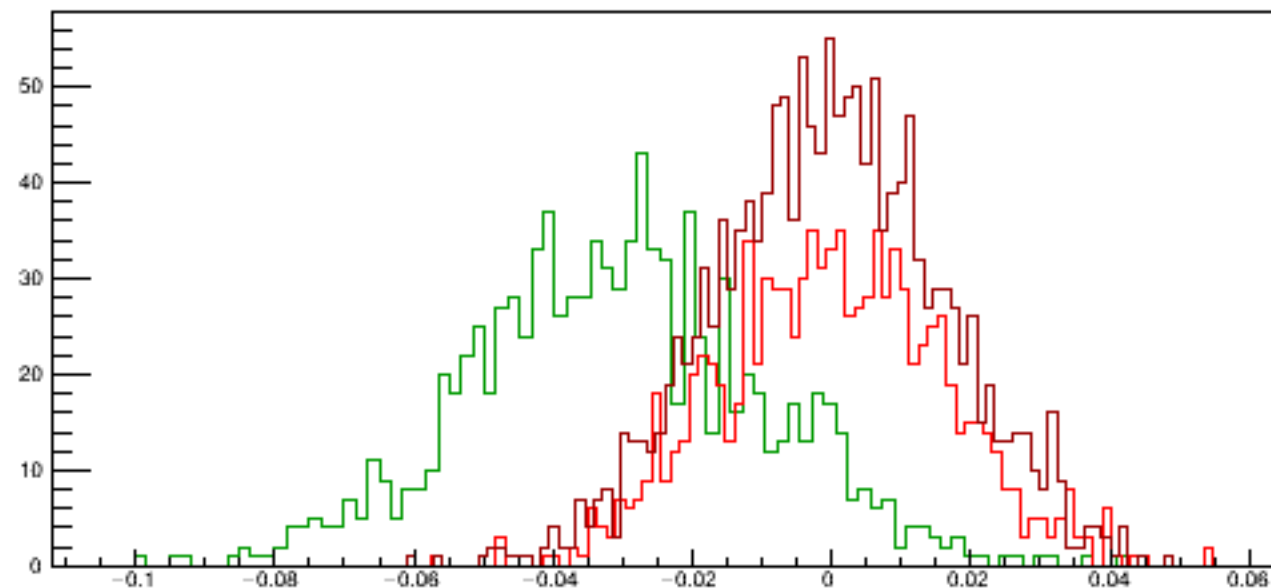


Acc0/NAcc0:mpsCoda (mpsCoda>=729444 && mpsCoda<=749959 && beamState==1)

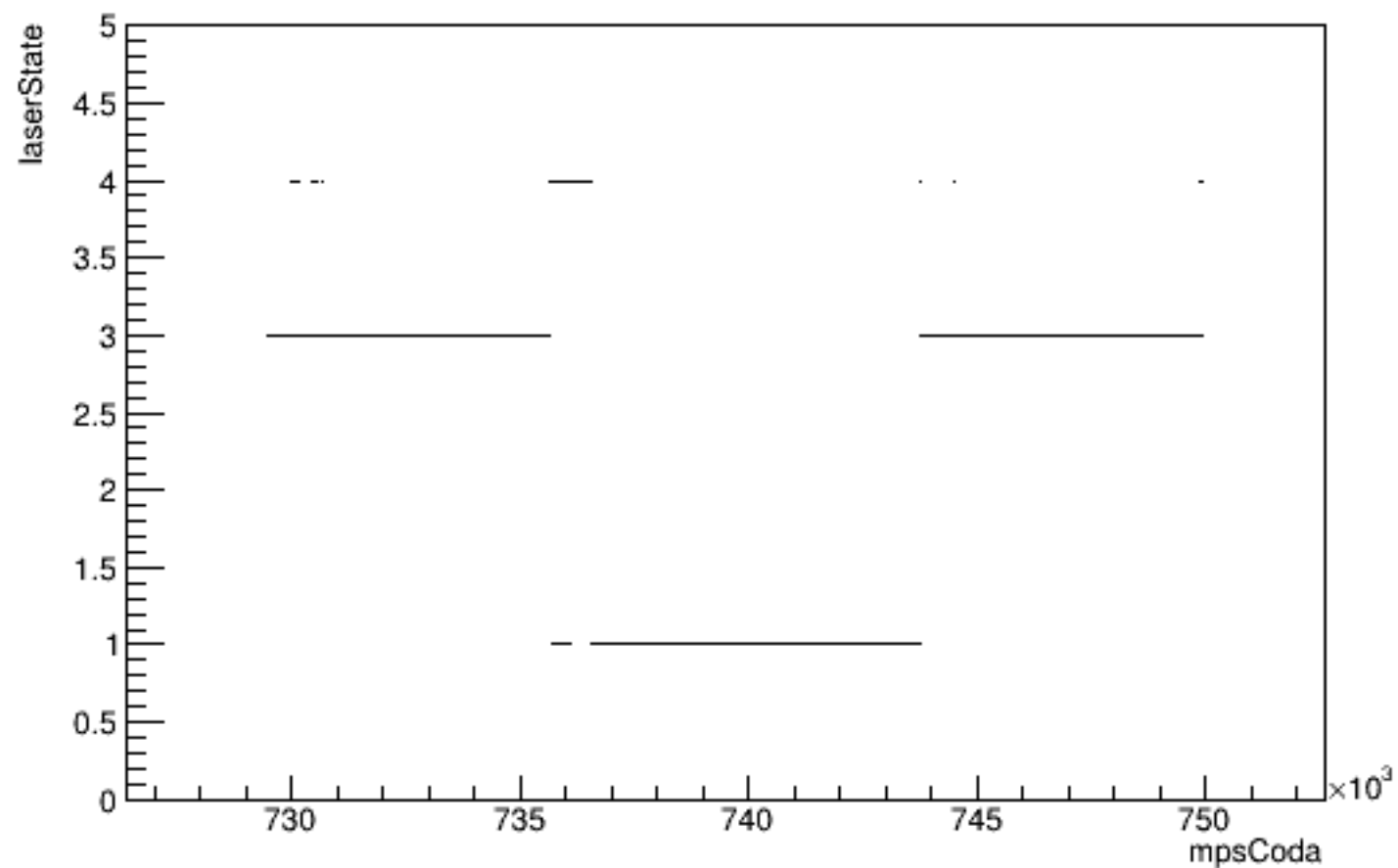
## Cycle 29, Asyms

<b>Entries: 998</b> <b>Mean: 0.0001 +/- 0.0005</b> <b>Std Dev: 0.0163 +/- 0.0004</b>	<b>Entries: 998</b> <b>Mean: -0.0309 +/- 0.0007</b> <b>Std Dev: 0.0209 +/- 0.0005</b>	<b>Entries: 1544</b> <b>Mean: -0.0004 +/- 0.0004</b> <b>Std Dev: 0.0165 +/- 0.0003</b>
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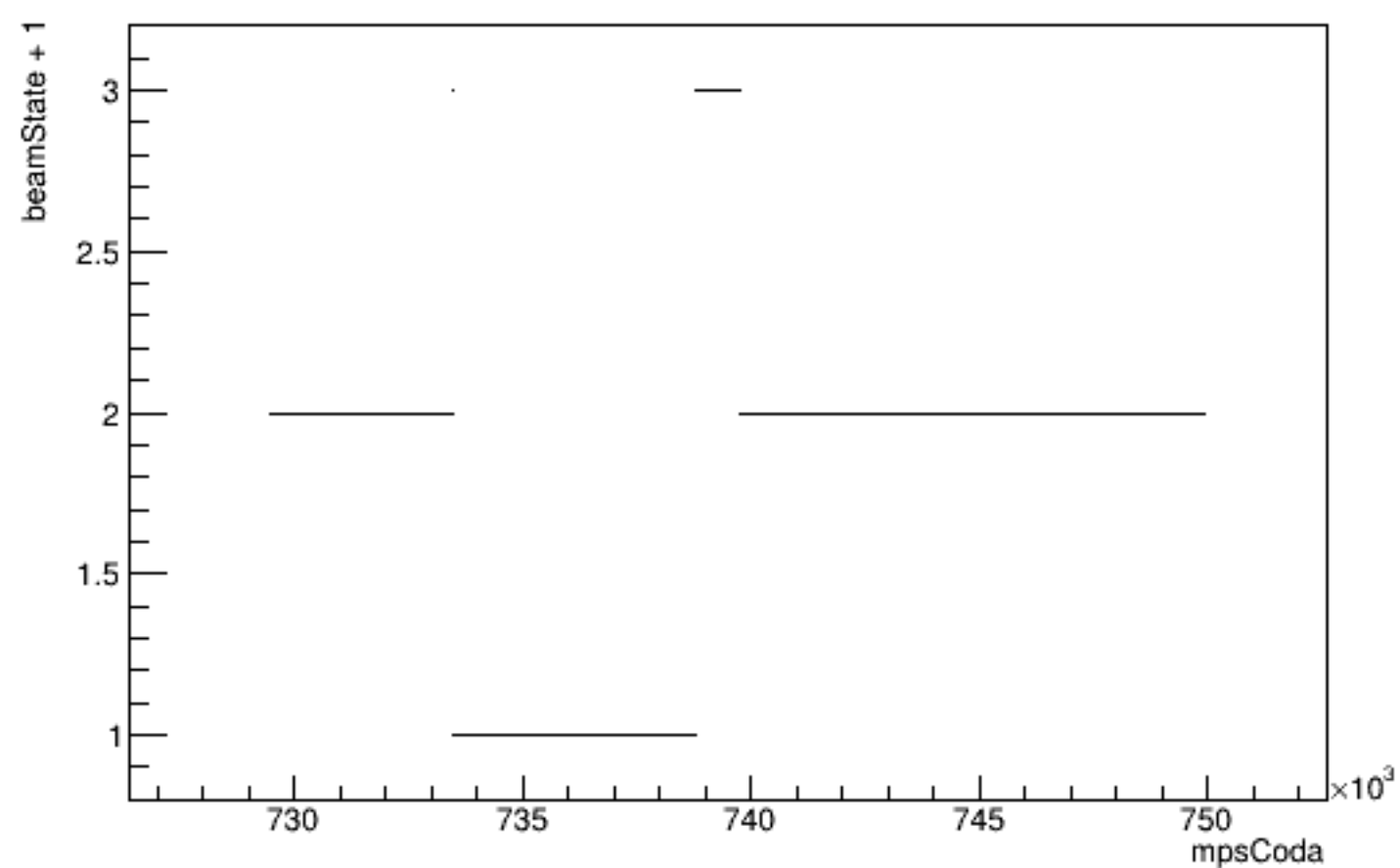
Run 6089 quartetwise, Asyms



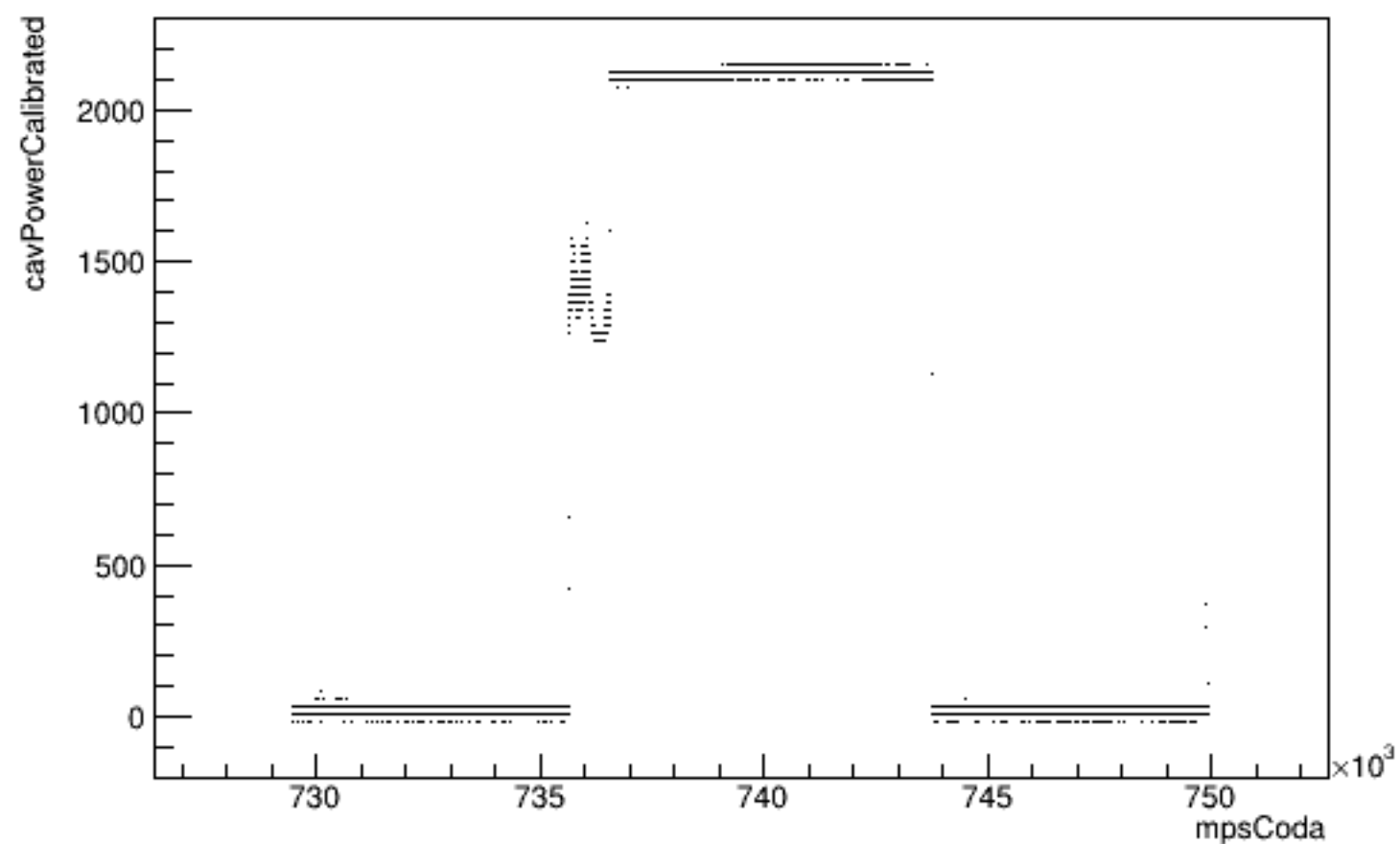
laserState:mpsCoda {mpsCoda&gt;=729444 &amp;&amp; mpsCoda&lt;=749959}



beamState + 1:mpsCoda {mpsCoda&gt;=729444 &amp;&amp; mpsCoda&lt;=749959}



cavPowerCalibrated:mpsCoda {mpsCoda&gt;=729444 &amp;&amp; mpsCoda&lt;=749959}



bcm:mpsCoda {mpsCoda&gt;=729444 &amp;&amp; mpsCoda&lt;=749959}

