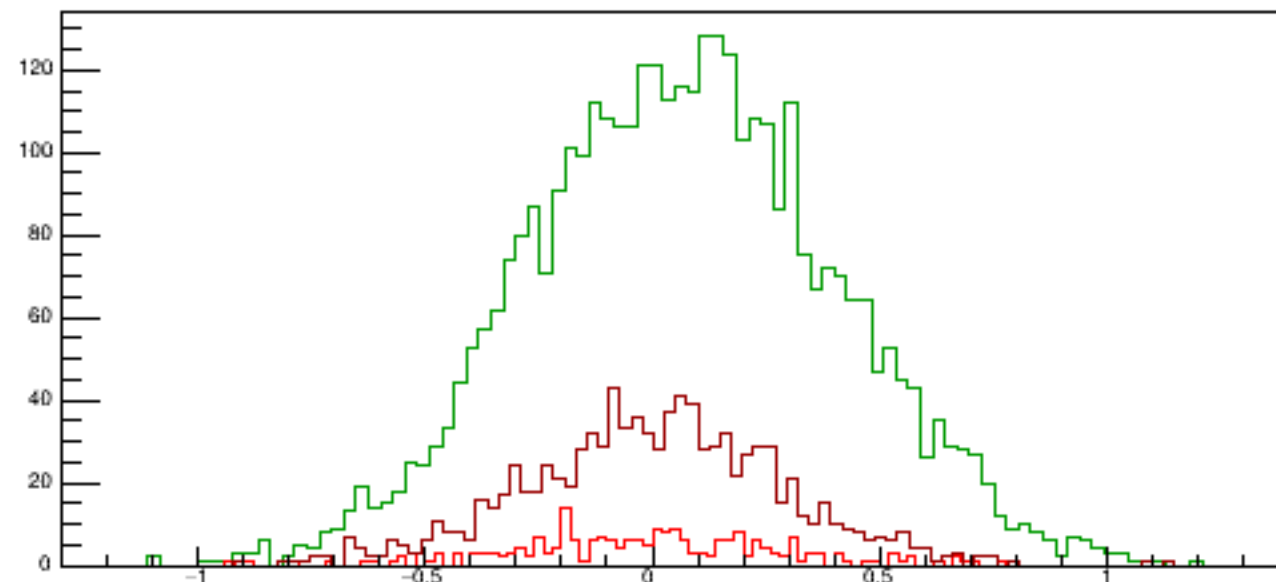


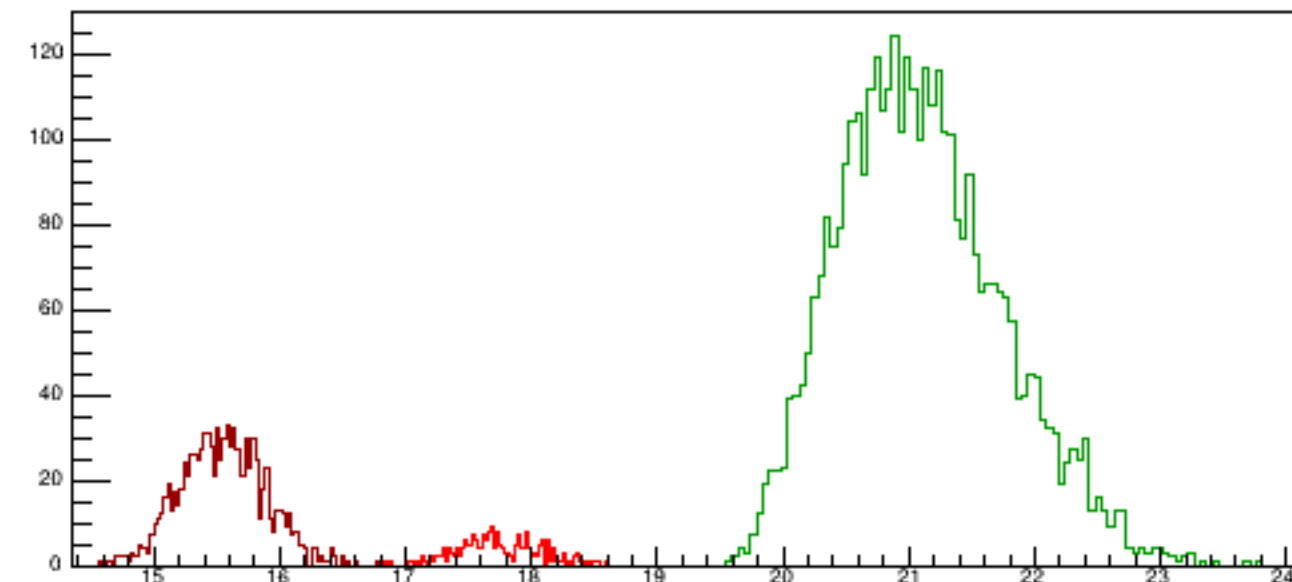
Cycle 1, Diffs

Entries: 223	Entries: 3807	Entries: 969
Mean: -0.0145 +/- 0.0200	Mean: 0.0659 +/- 0.0055	Mean: 0.0018 +/- 0.0091
Std Dev: 0.2985 +/- 0.0141	Std Dev: 0.3364 +/- 0.0039	Std Dev: 0.2822 +/- 0.0064
Run 4381 quartetwise, Diffs		



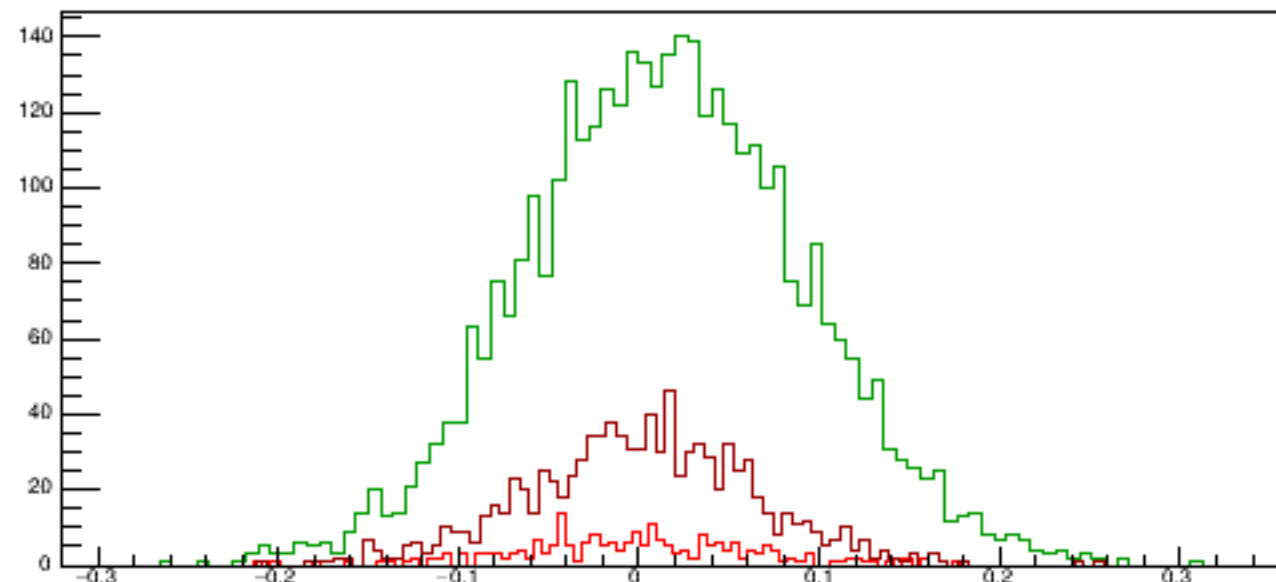
Cycle 1, Sums

Entries: 223	Entries: 3807	Entries: 969
Mean: 17.7397 +/- 0.0221	Mean: 21.0973 +/- 0.0106	Mean: 15.5489 +/- 0.0108
Std Dev: 0.3293 +/- 0.0156	Std Dev: 0.6510 +/- 0.0075	Std Dev: 0.3363 +/- 0.0076
Run 4381 quartetwise, Sums		

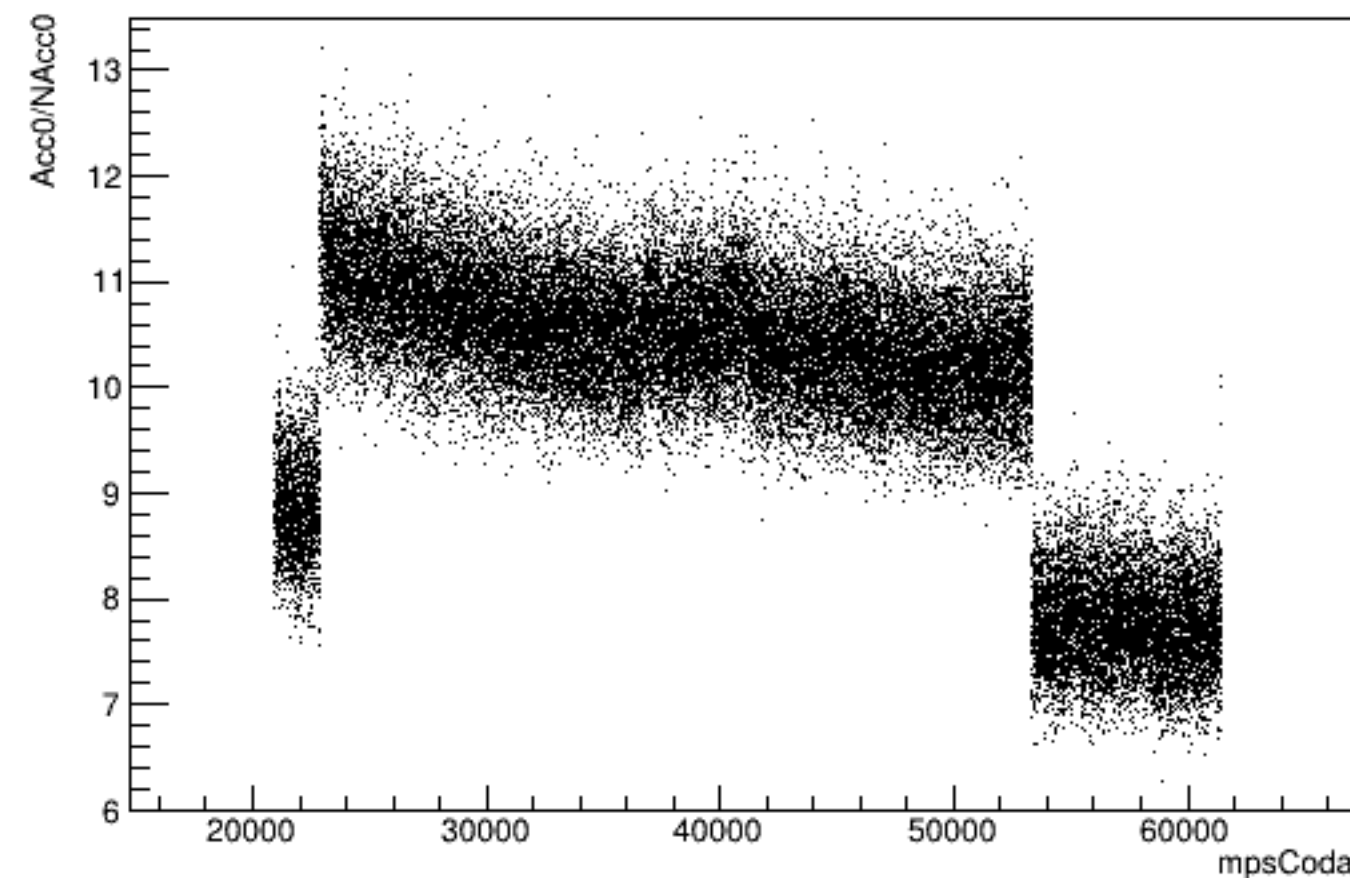


Cycle 1, Asyms

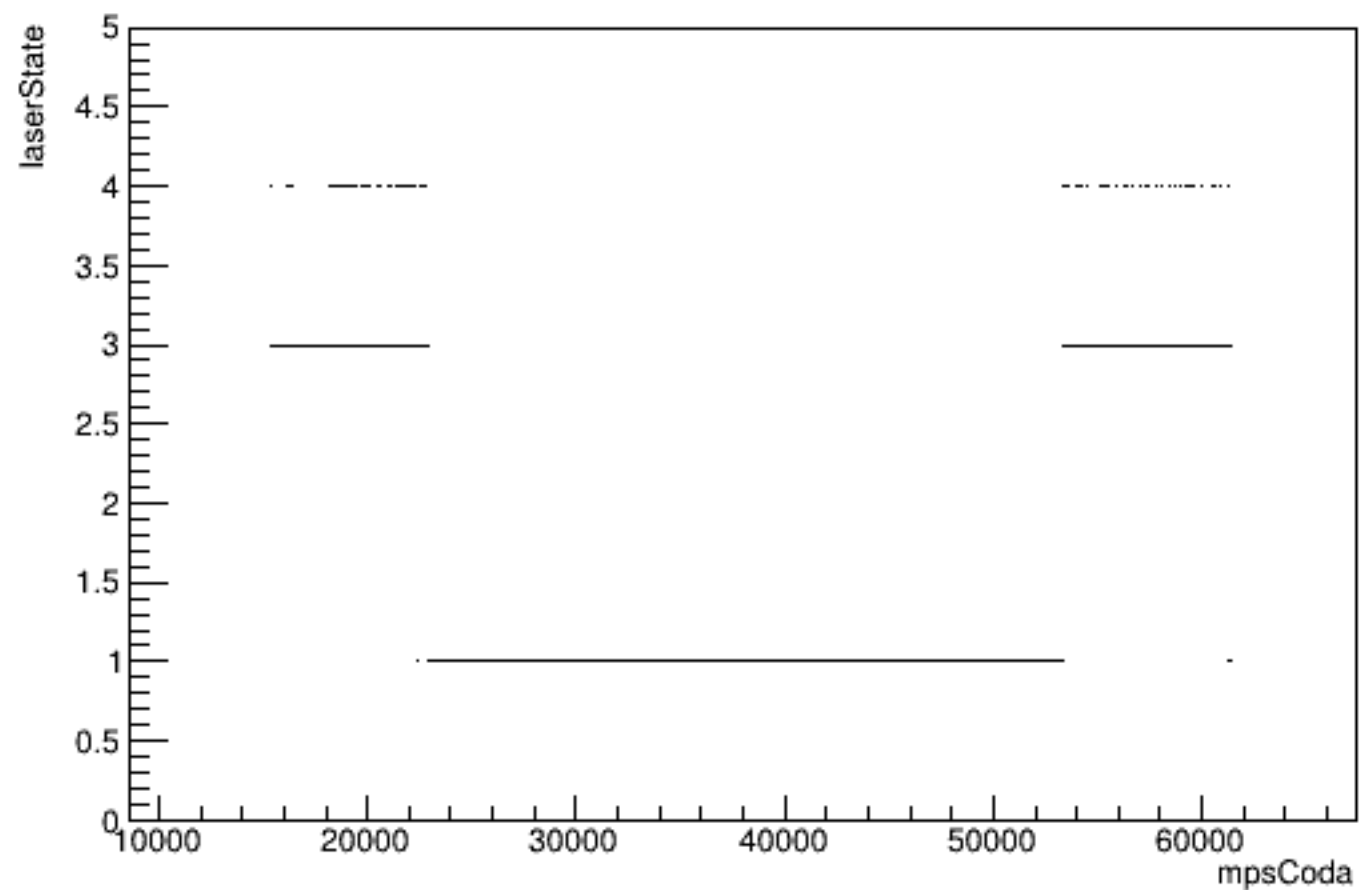
Entries: 223	Entries: 3807	Entries: 969
Mean: -0.0033 +/- 0.0045	Mean: 0.0149 +/- 0.0013	Mean: 0.0004 +/- 0.0020
Std Dev: 0.0670 +/- 0.0032	Std Dev: 0.0771 +/- 0.0009	Std Dev: 0.0634 +/- 0.0014
Run 4381 quartetwise, Asyms		



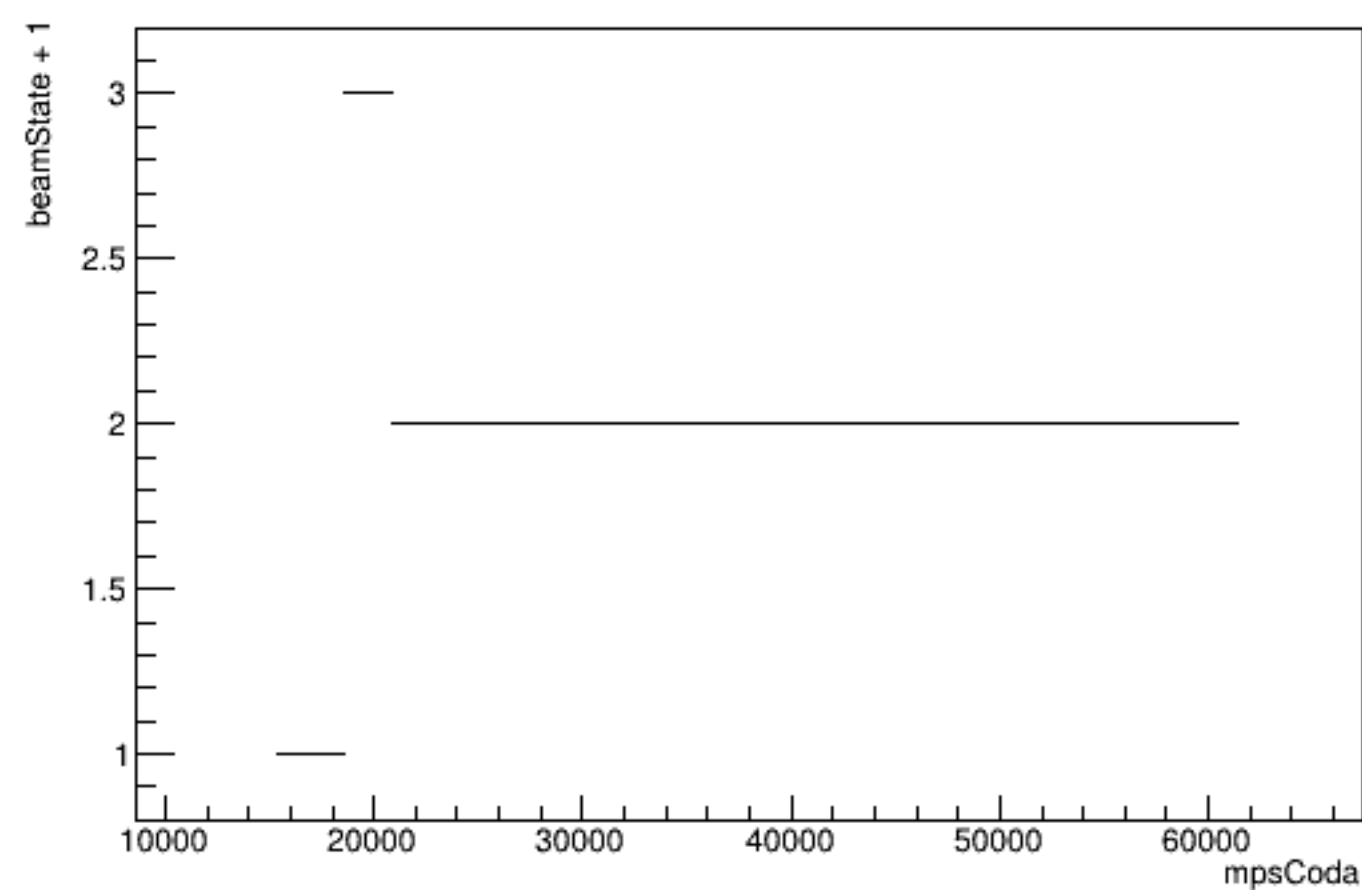
Acc0/NAcc0:mpsCoda {mpsCoda>=15350 && mpsCoda<=61437 && beamState==1}



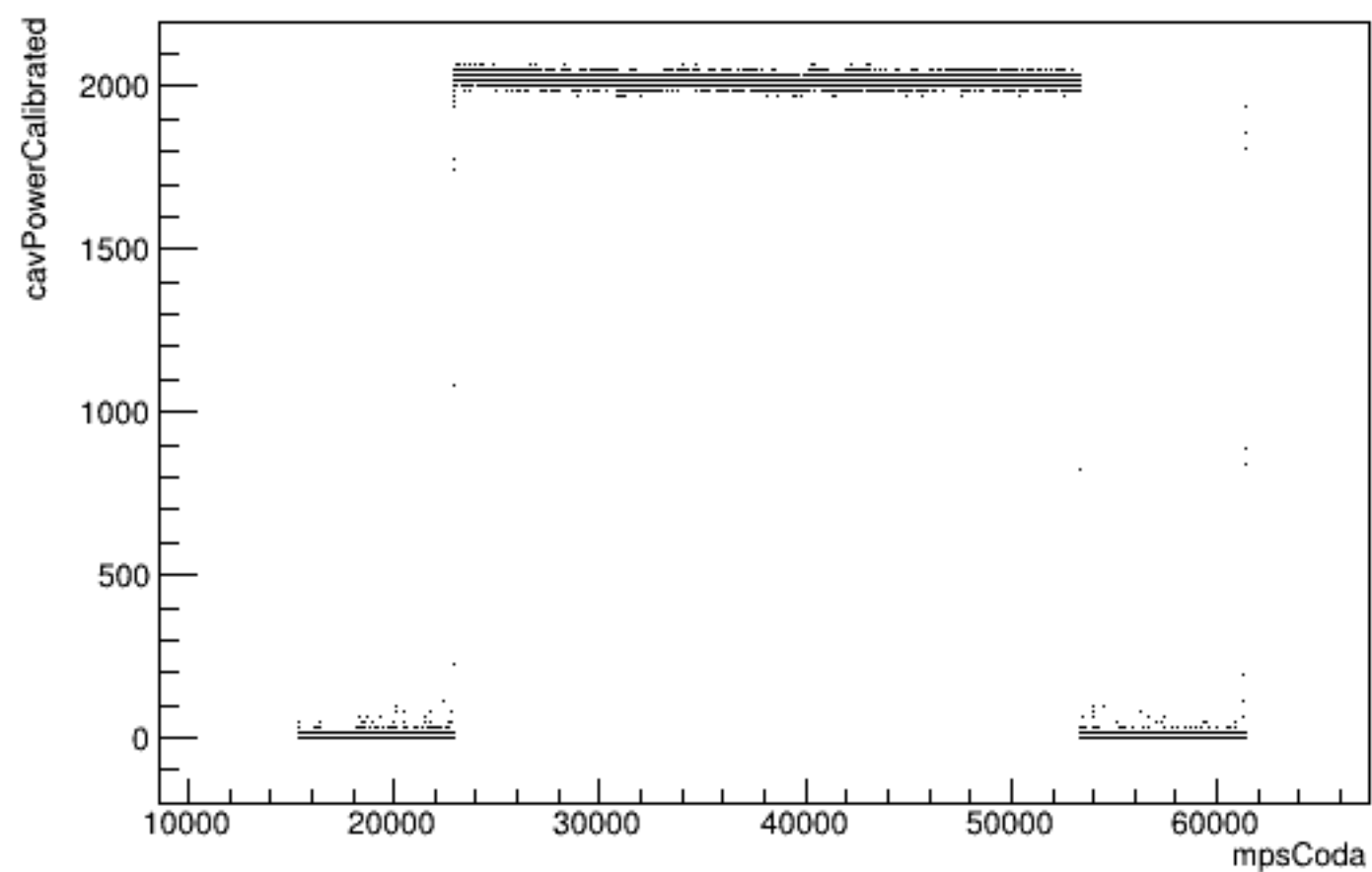
laserState:mpsCoda {mpsCoda>=15350 && mpsCoda<=61437}



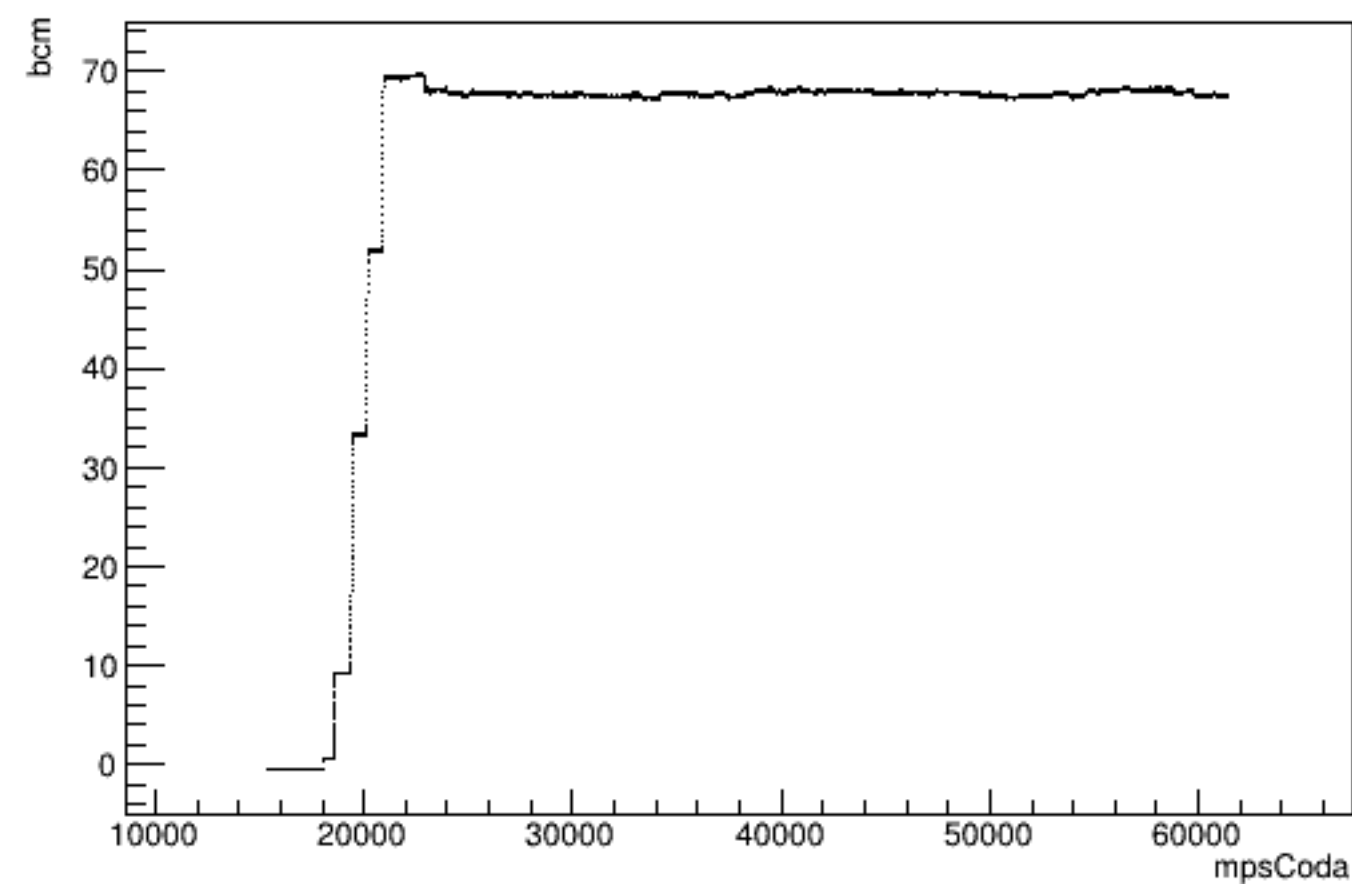
beamState + 1:mpsCoda {mpsCoda>=15350 && mpsCoda<=61437}



cavPowerCalibrated:mpsCoda {mpsCoda>=15350 && mpsCoda<=61437}

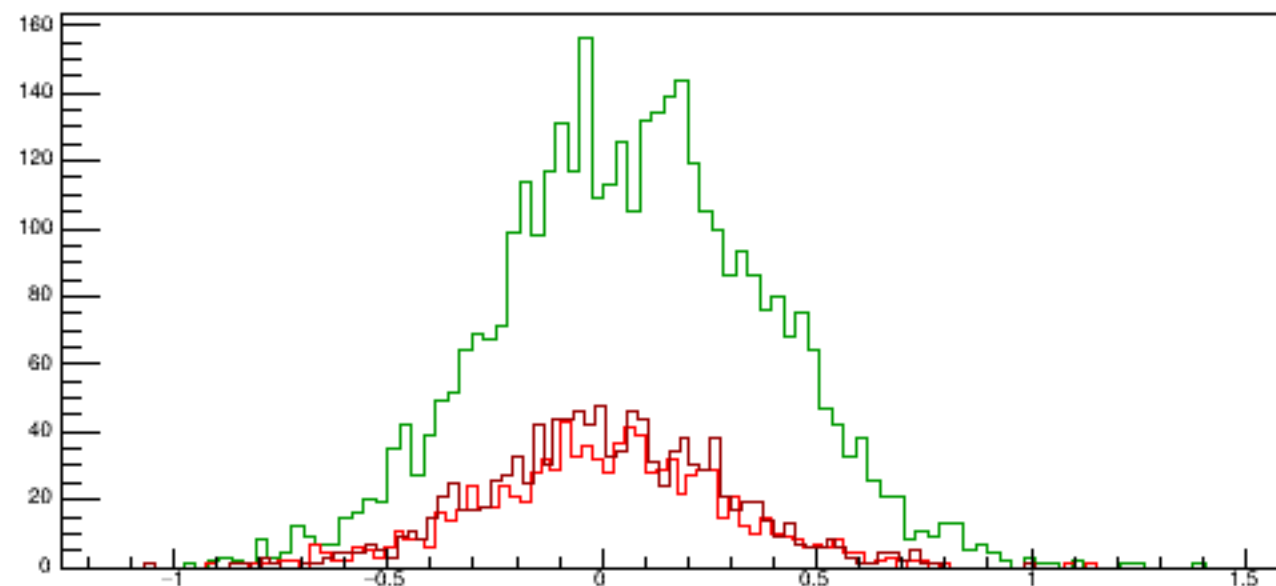


bcm:mpsCoda {mpsCoda>=15350 && mpsCoda<=61437}



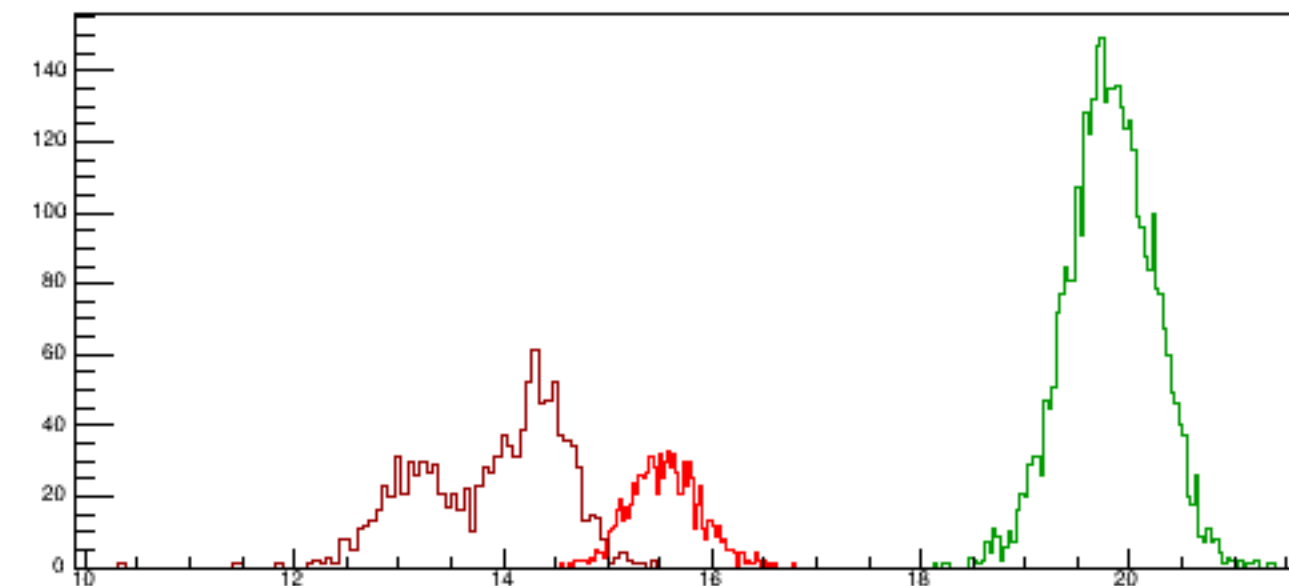
Cycle 2, Diffs

Entries: 969	Entries: 3740	Entries: 1136
Mean: 0.0018 +/- 0.0091	Mean: 0.0719 +/- 0.0052	Mean: 0.0058 +/- 0.0081
Std Dev: 0.2822 +/- 0.0064	Std Dev: 0.3185 +/- 0.0037	Std Dev: 0.2725 +/- 0.0057
Run 4381 quartetwise, Diffs		



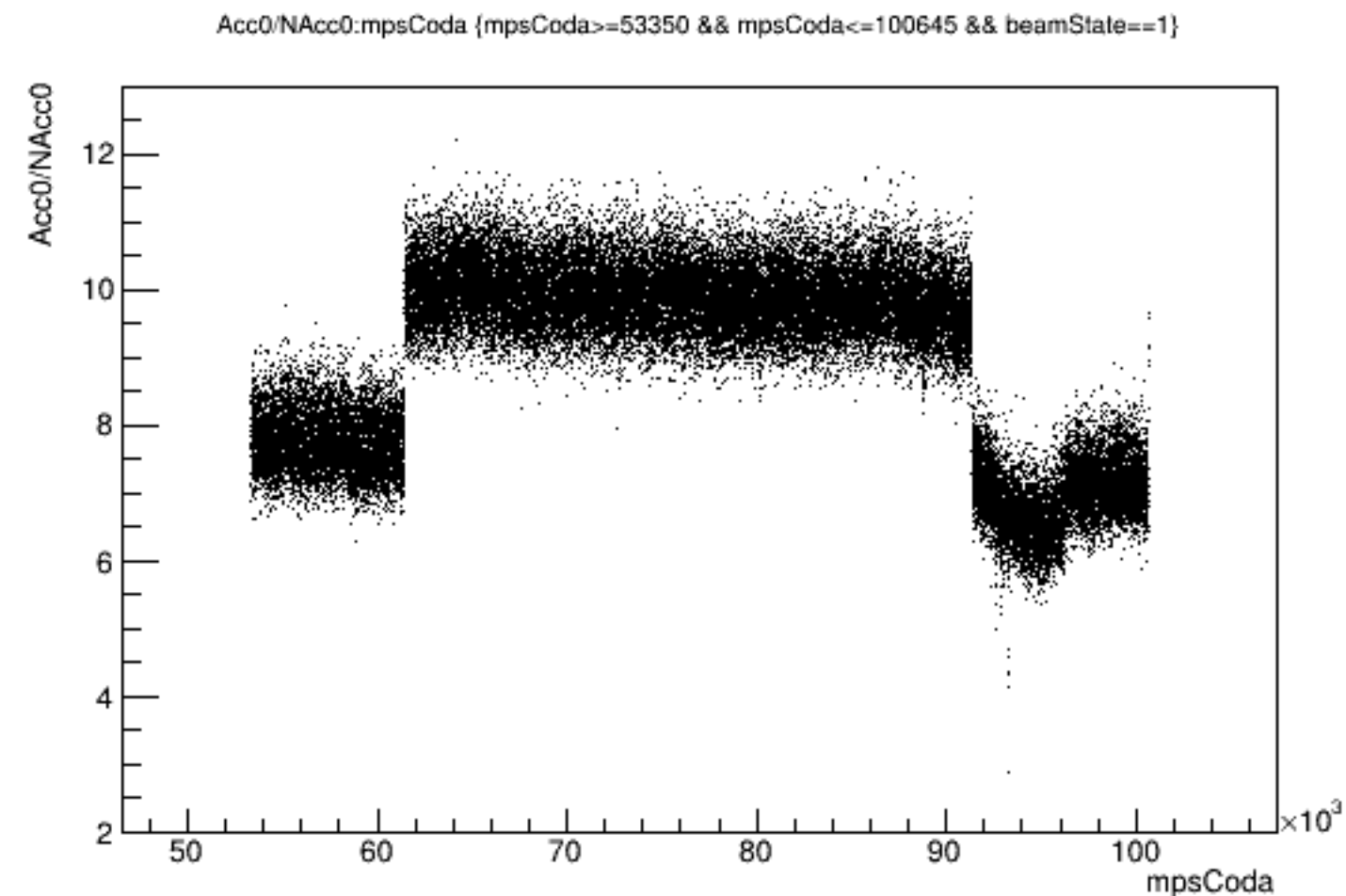
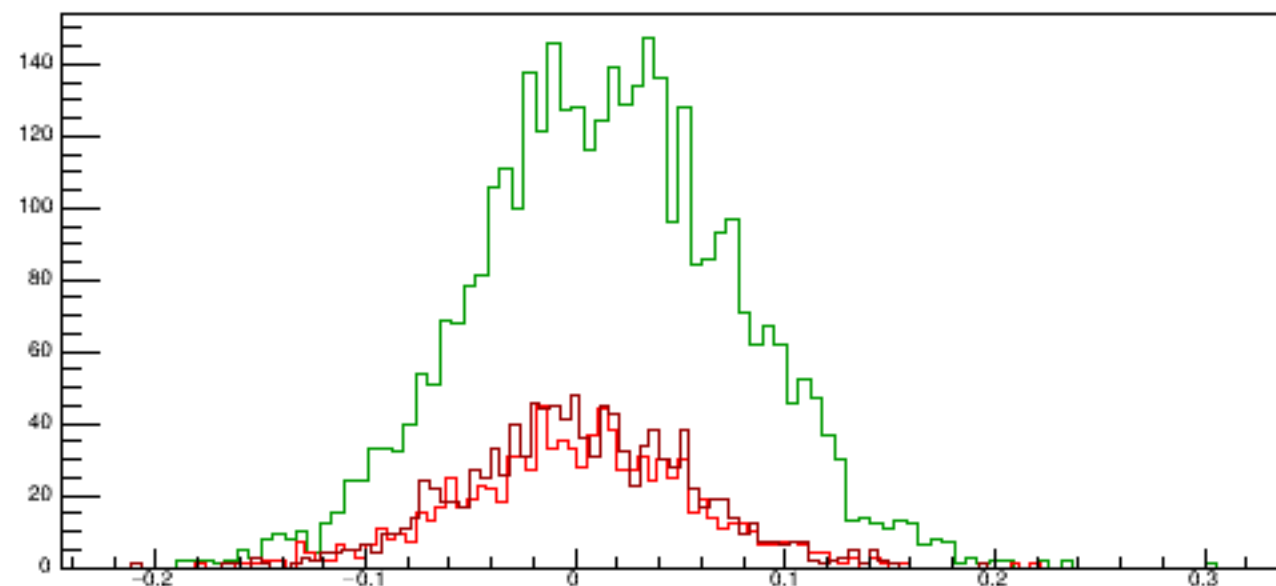
Cycle 2, Sums

Entries: 969	Entries: 3740	Entries: 1136
Mean: 15.5489 +/- 0.0108	Mean: 19.8118 +/- 0.0069	Mean: 13.8778 +/- 0.0204
Std Dev: 0.3363 +/- 0.0076	Std Dev: 0.4190 +/- 0.0048	Std Dev: 0.6862 +/- 0.0144
Run 4381 quartetwise, Sums		

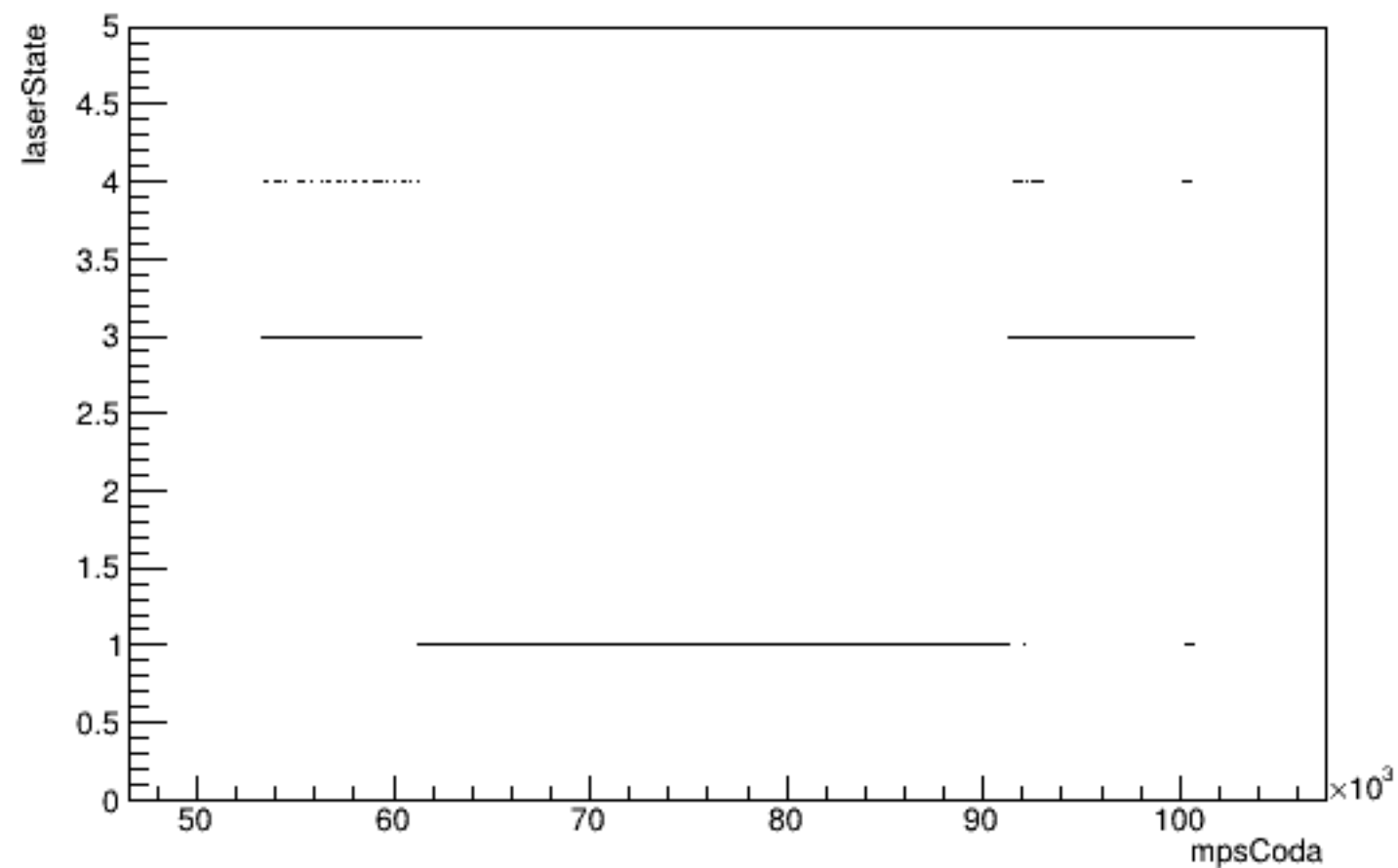


Cycle 2, Asyms

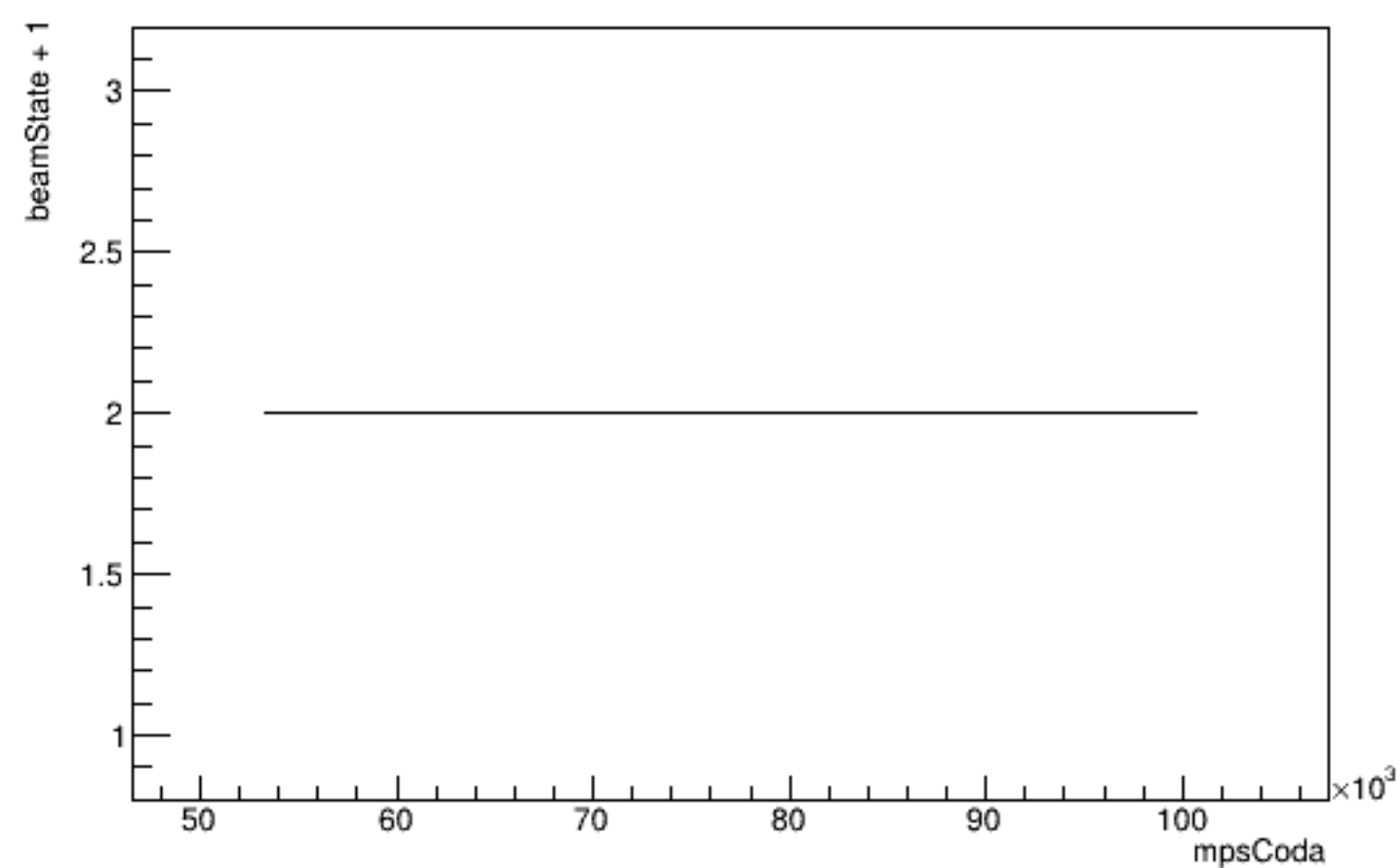
Entries: 969	Entries: 3740	Entries: 1136
Mean: 0.0004 +/- 0.0018	Mean: 0.0143 +/- 0.0010	Mean: 0.0011 +/- 0.0016
Std Dev: 0.0554 +/- 0.0013	Std Dev: 0.0628 +/- 0.0007	Std Dev: 0.0535 +/- 0.0011
Run 4381 quartetwise, Asyms		



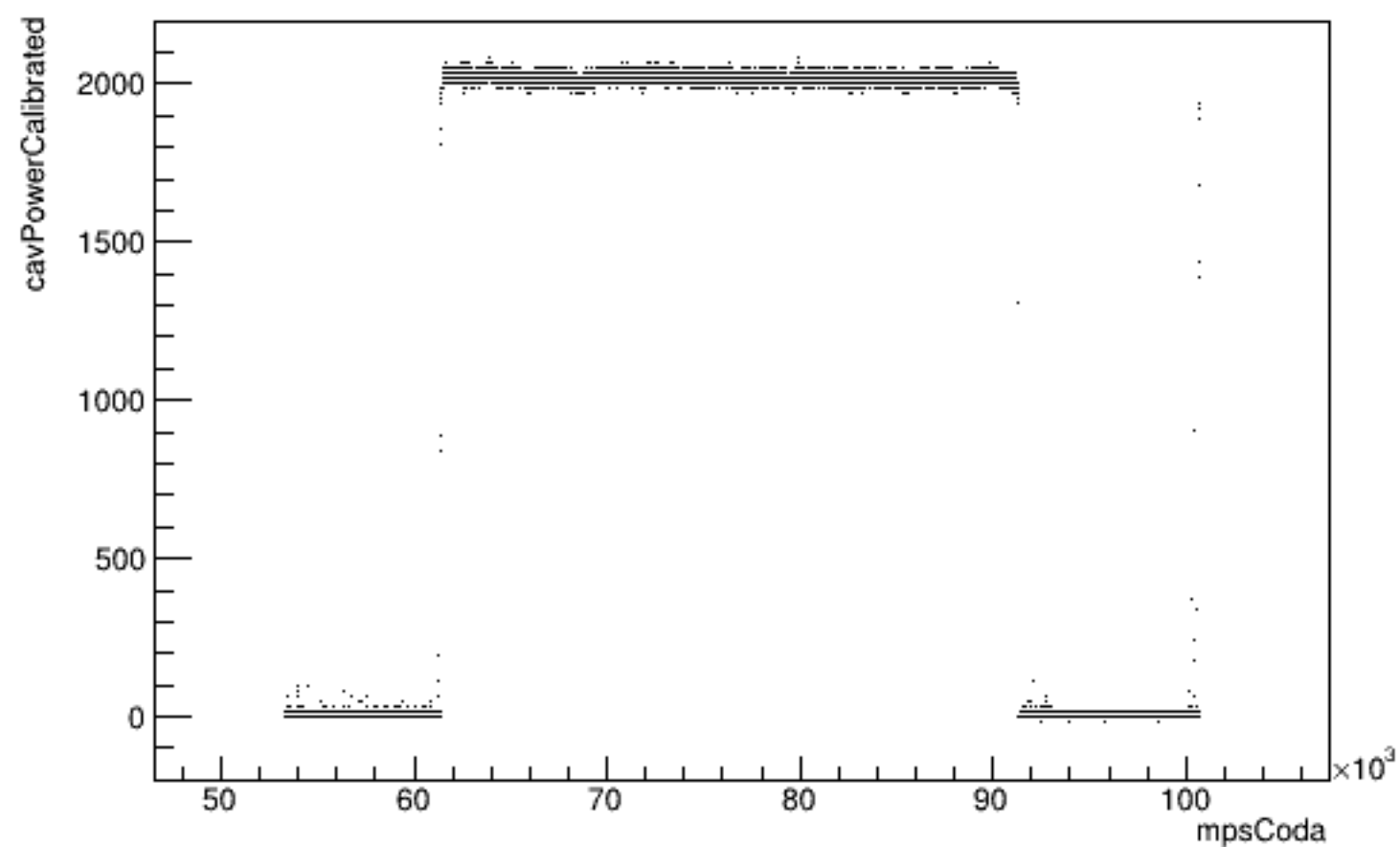
laserState:mpsCoda {mpsCoda>=53350 && mpsCoda<=100645}



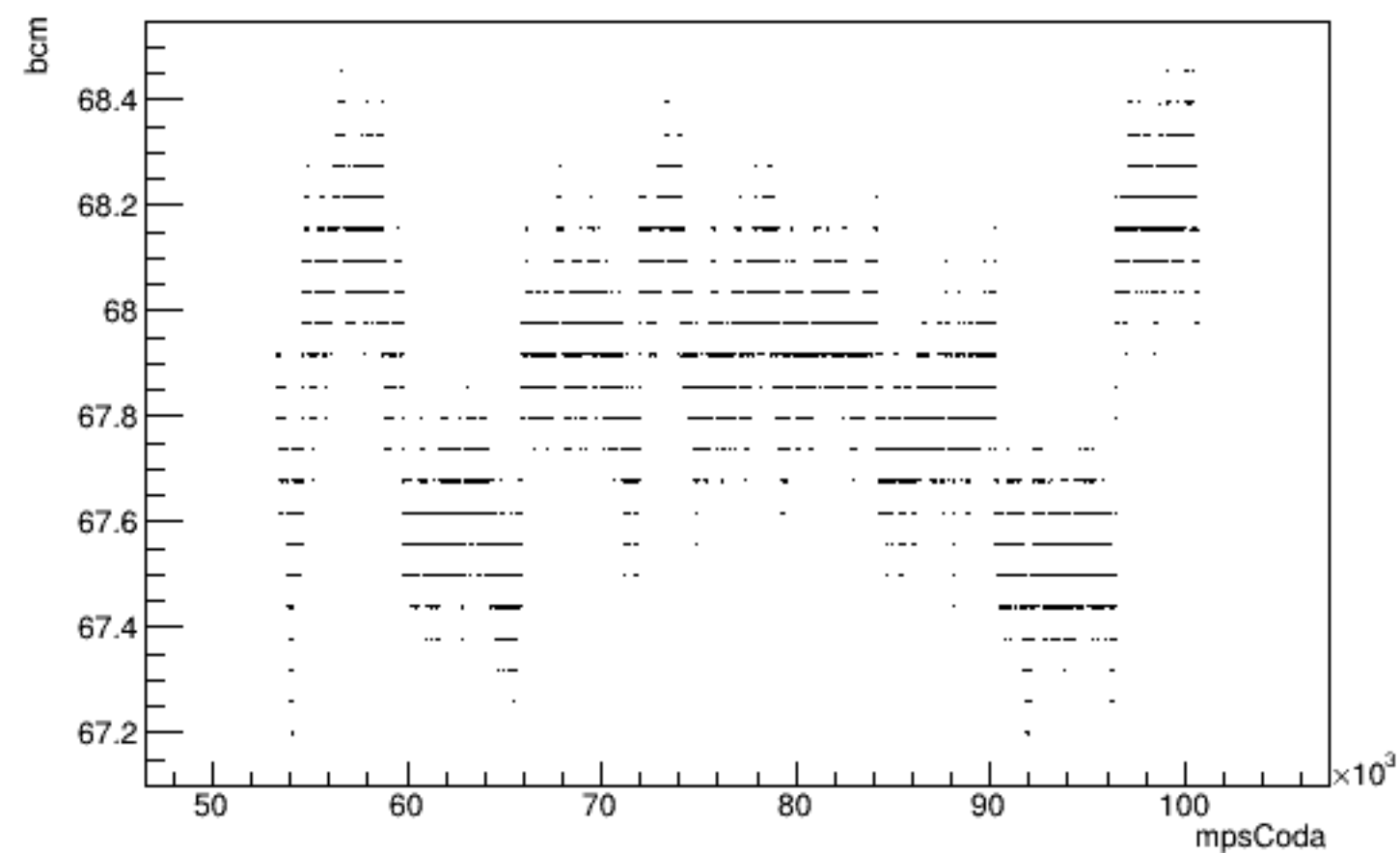
beamState + 1:mpsCoda {mpsCoda>=53350 && mpsCoda<=100645}



cavPowerCalibrated:mpsCoda {mpsCoda>=53350 && mpsCoda<=100645}



bcm:mpsCoda {mpsCoda>=53350 && mpsCoda<=100645}



Cycle 3, Diffs

Entries: 1136

Mean: 0.0058 +/- 0.0081

Std Dev: 0.2725 +/- 0.0057

Entries: 3772

Mean: 0.0558 +/- 0.0051

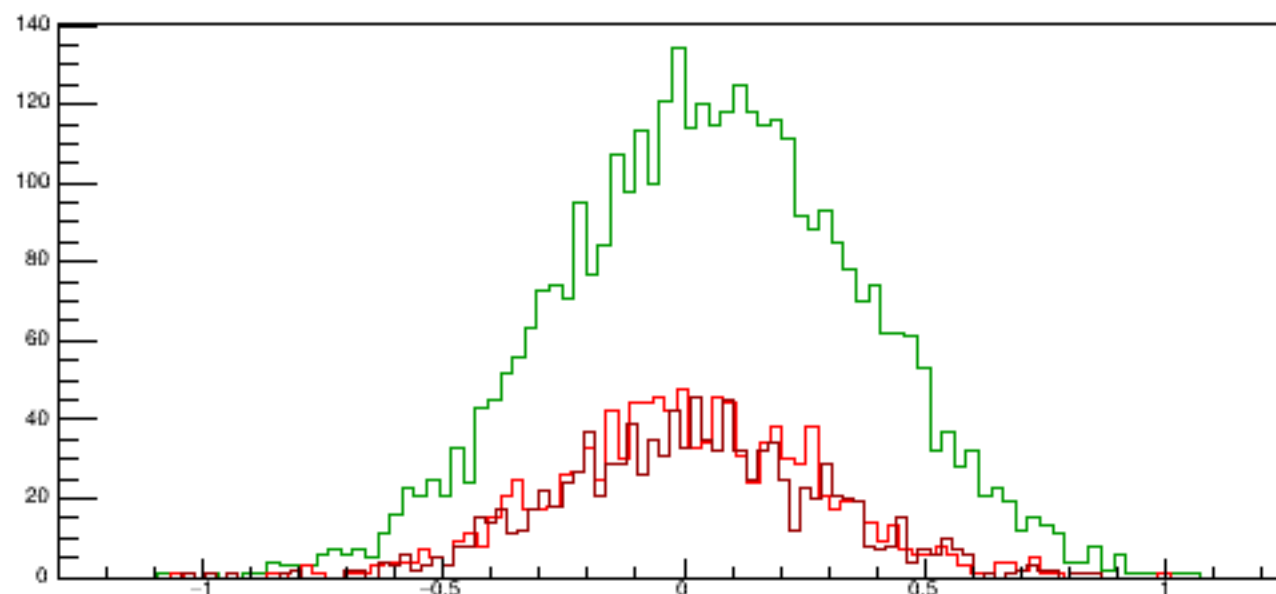
Std Dev: 0.3156 +/- 0.0036

Entries: 1093

Mean: 0.0090 +/- 0.0084

Std Dev: 0.2775 +/- 0.0059

Run 4381 quartetwise, Diffs



Cycle 3, Sums

Entries: 1136

Mean: 13.8778 +/- 0.0204

Std Dev: 0.6862 +/- 0.0144

Entries: 3772

Mean: 18.7679 +/- 0.0061

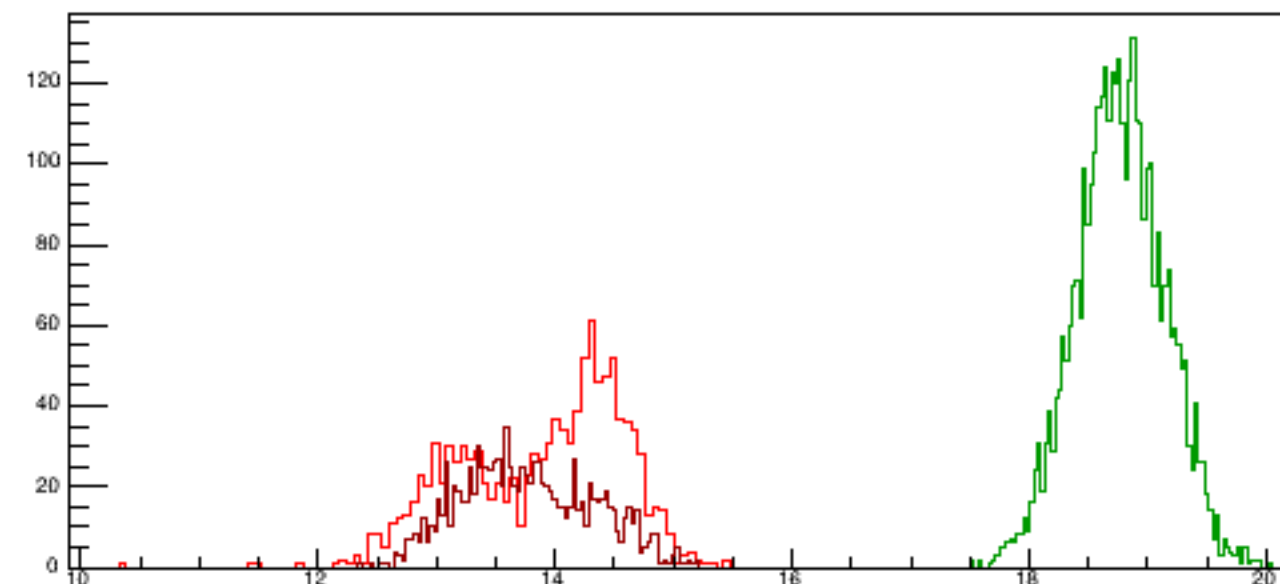
Std Dev: 0.3738 +/- 0.0043

Entries: 1093

Mean: 13.7687 +/- 0.0168

Std Dev: 0.5548 +/- 0.0119

Run 4381 quartetwise, Sums



Cycle 3, Asyms

Entries: 1136

Mean: 0.0012 +/- 0.0016

Std Dev: 0.0551 +/- 0.0012

Entries: 3772

Mean: 0.0114 +/- 0.0010

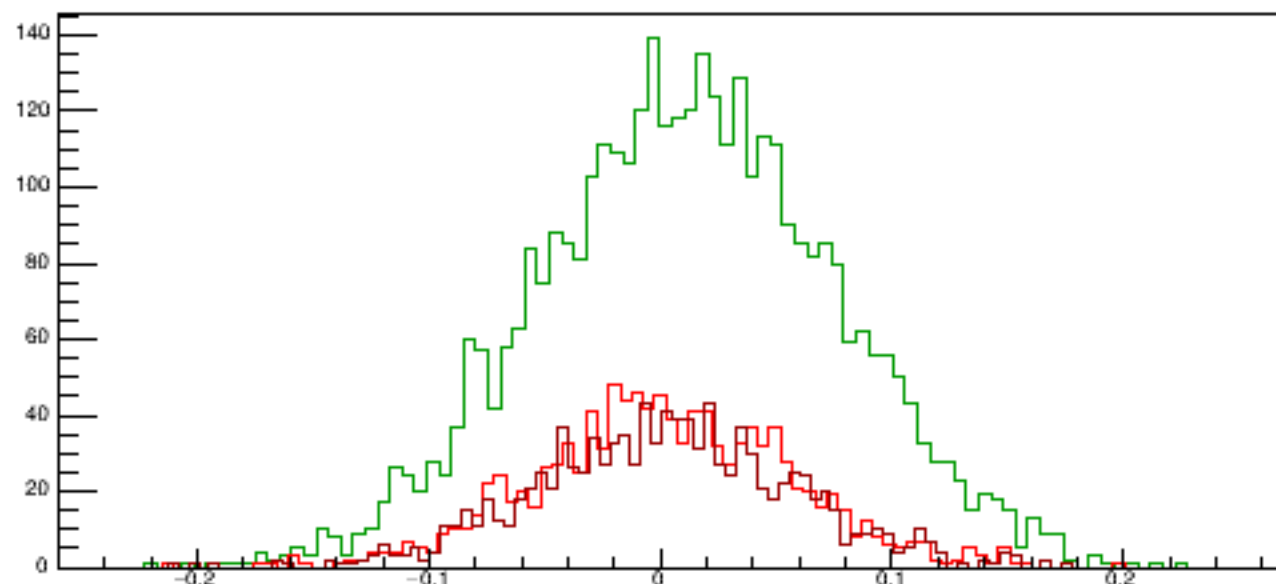
Std Dev: 0.0640 +/- 0.0007

Entries: 1093

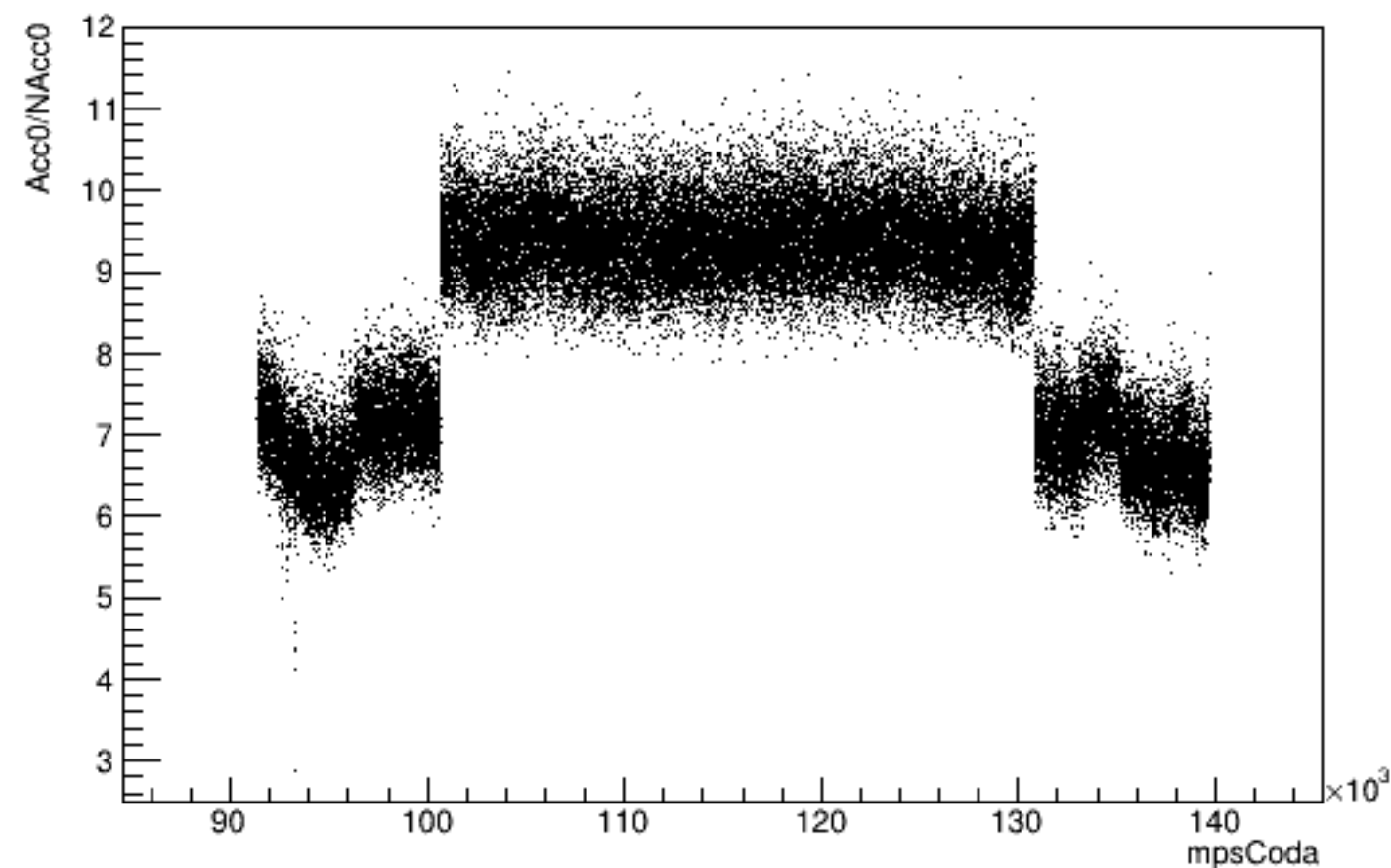
Mean: 0.0018 +/- 0.0017

Std Dev: 0.0561 +/- 0.0012

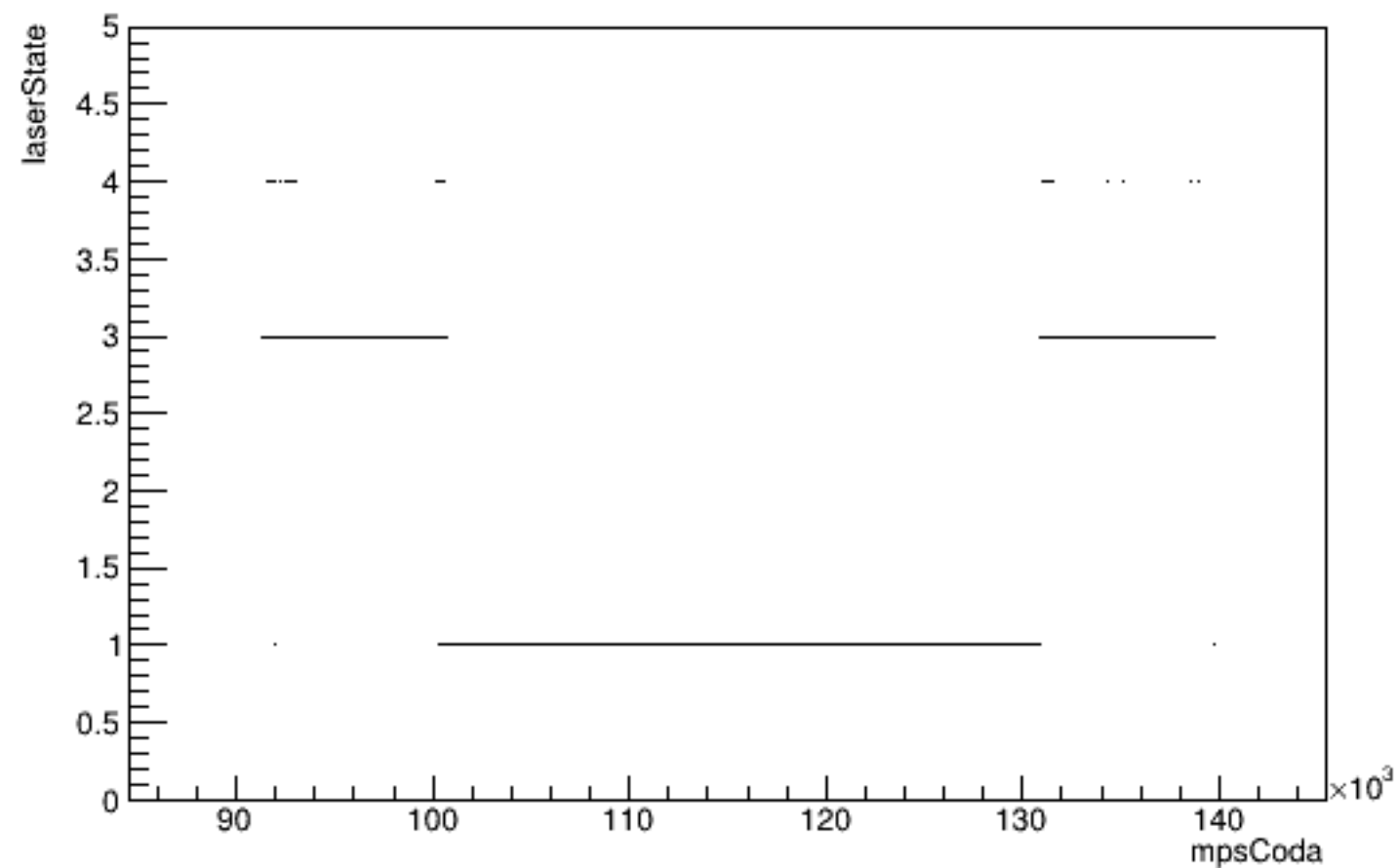
Run 4381 quartetwise, Asyms



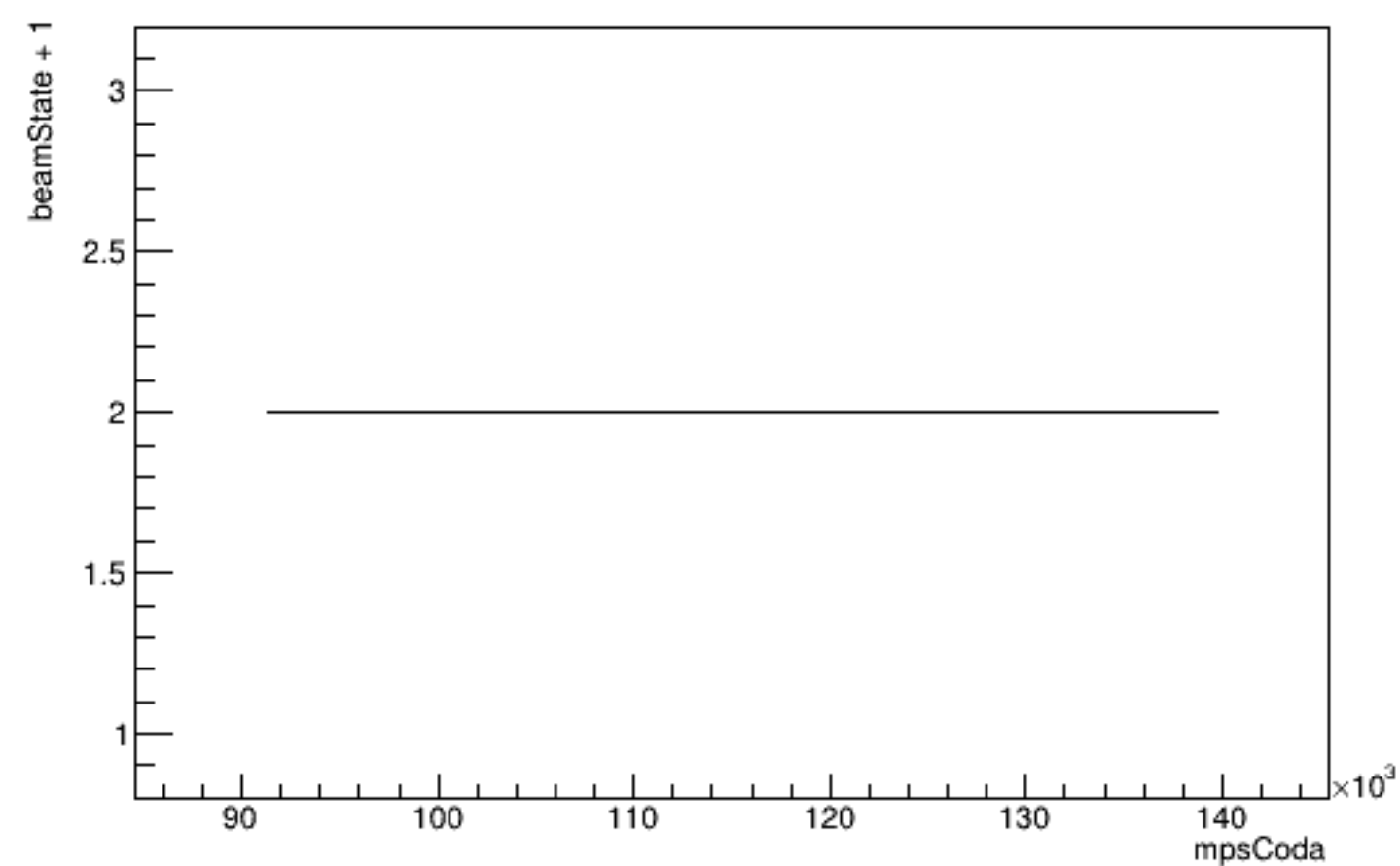
Acc0/NAcc0:mpsCoda {mpsCoda>=91366 && mpsCoda<=139709 && beamState==1}



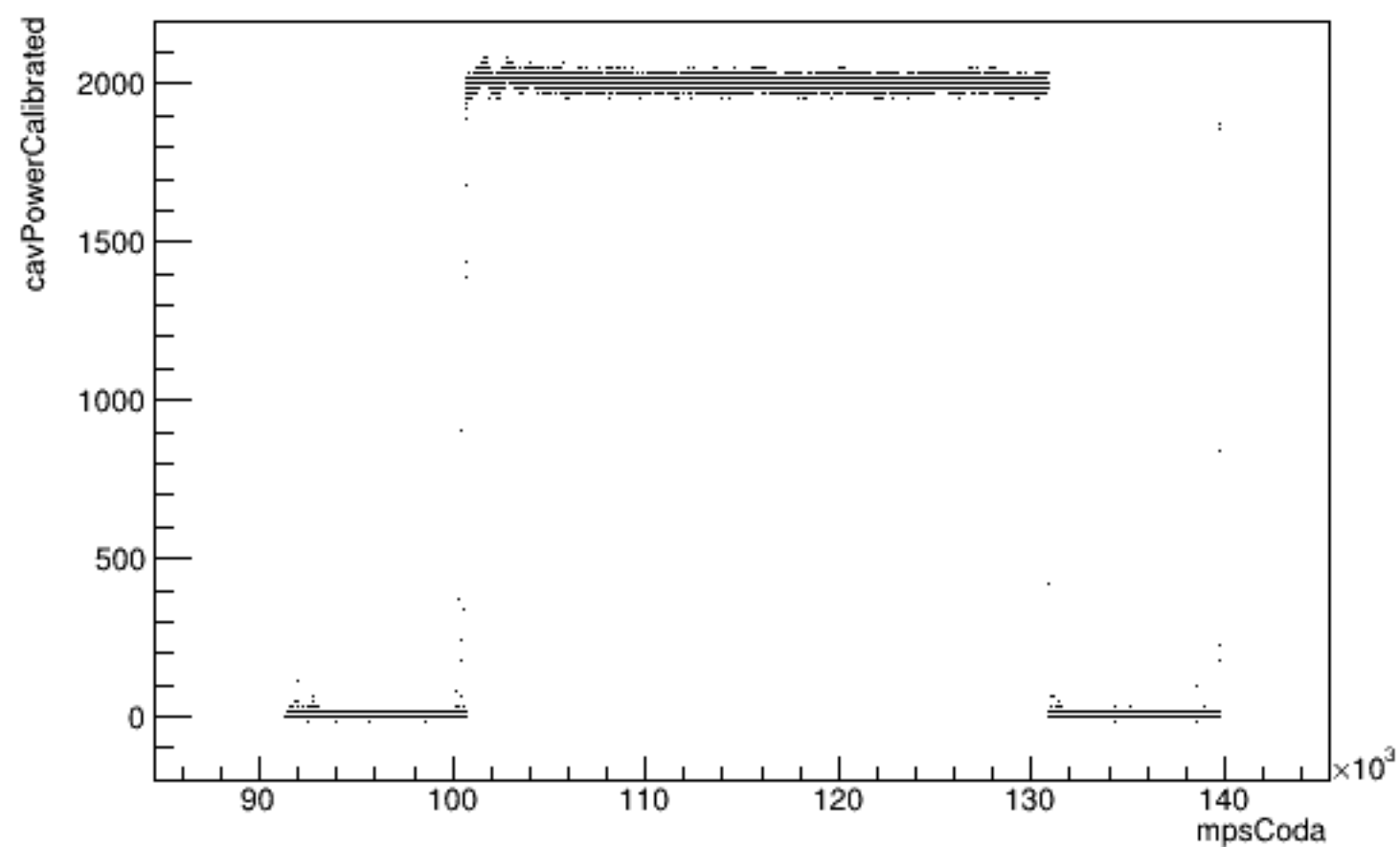
laserState:mpsCoda {mpsCoda>=91366 && mpsCoda<=139709}



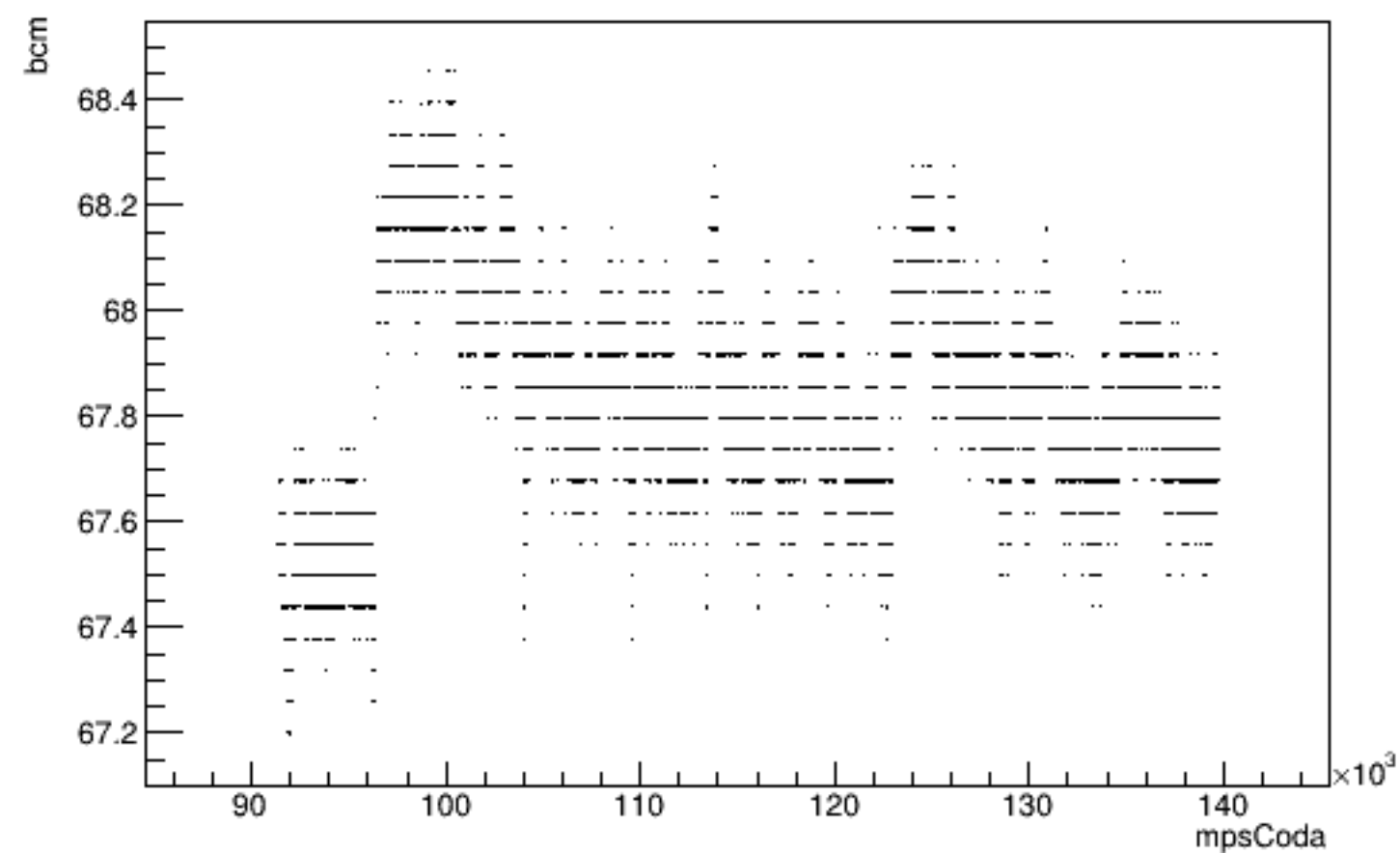
beamState + 1:mpsCoda {mpsCoda>=91366 && mpsCoda<=139709}



cavPowerCalibrated:mpsCoda {mpsCoda>=91366 && mpsCoda<=139709}



bcm:mpsCoda {mpsCoda>=91366 && mpsCoda<=139709}



Cycle 4, Diffs

Entries: 1093

Mean: 0.0090 +/- 0.0084

Std Dev: 0.2775 +/- 0.0059

Entries: 3819

Mean: 0.0620 +/- 0.0050

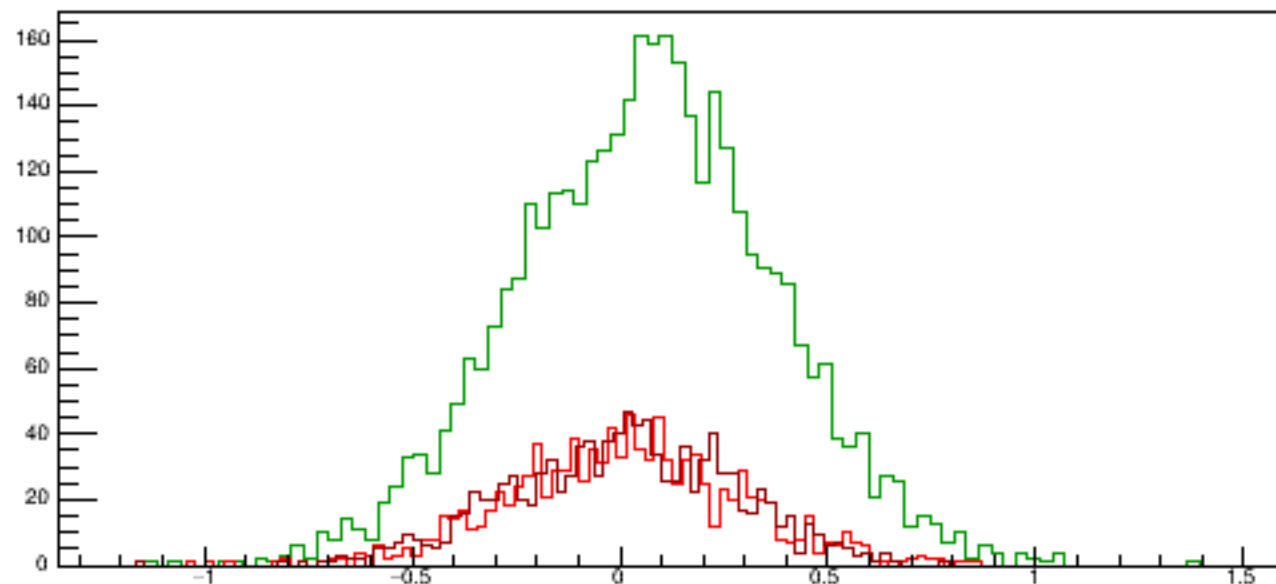
Std Dev: 0.3093 +/- 0.0035

Entries: 1101

Mean: 0.0043 +/- 0.0080

Std Dev: 0.2664 +/- 0.0057

Run 4381 quartetwise, Diffs



Cycle 4, Sums

Entries: 1093

Mean: 13.7687 +/- 0.0168

Std Dev: 0.5548 +/- 0.0119

Entries: 3819

Mean: 18.0867 +/- 0.0073

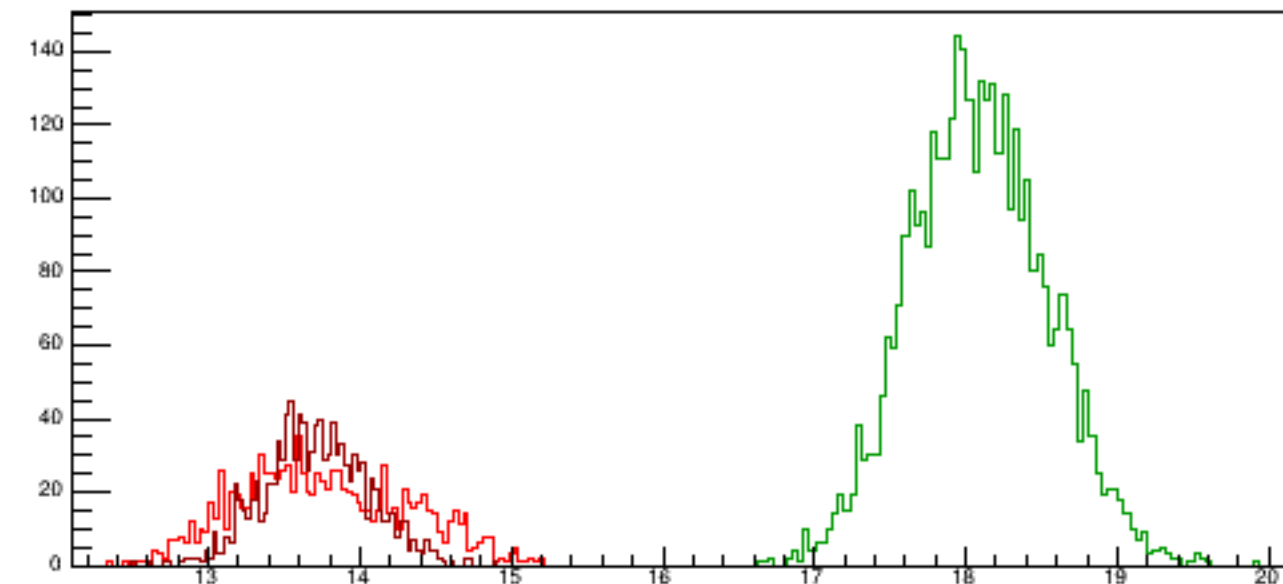
Std Dev: 0.4487 +/- 0.0051

Entries: 1101

Mean: 13.7109 +/- 0.0103

Std Dev: 0.3422 +/- 0.0073

Run 4381 quartetwise, Sums



Cycle 4, Asyms

Entries: 1093

Mean: 0.0021 +/- 0.0019

Std Dev: 0.0638 +/- 0.0014

Entries: 3819

Mean: 0.0143 +/- 0.0012

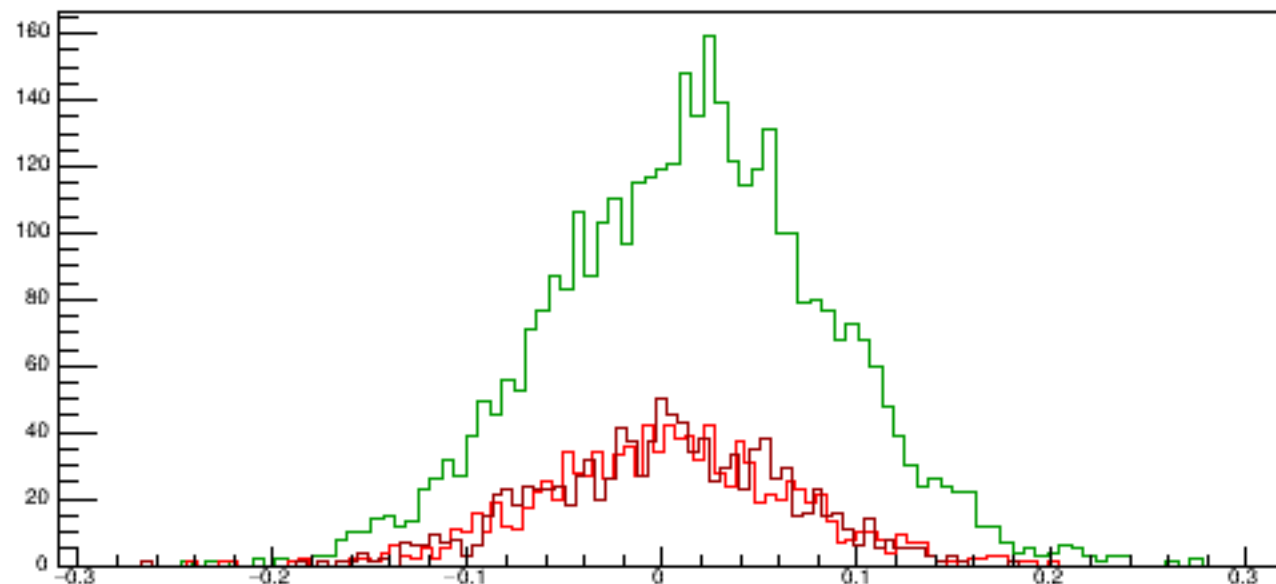
Std Dev: 0.0715 +/- 0.0008

Entries: 1101

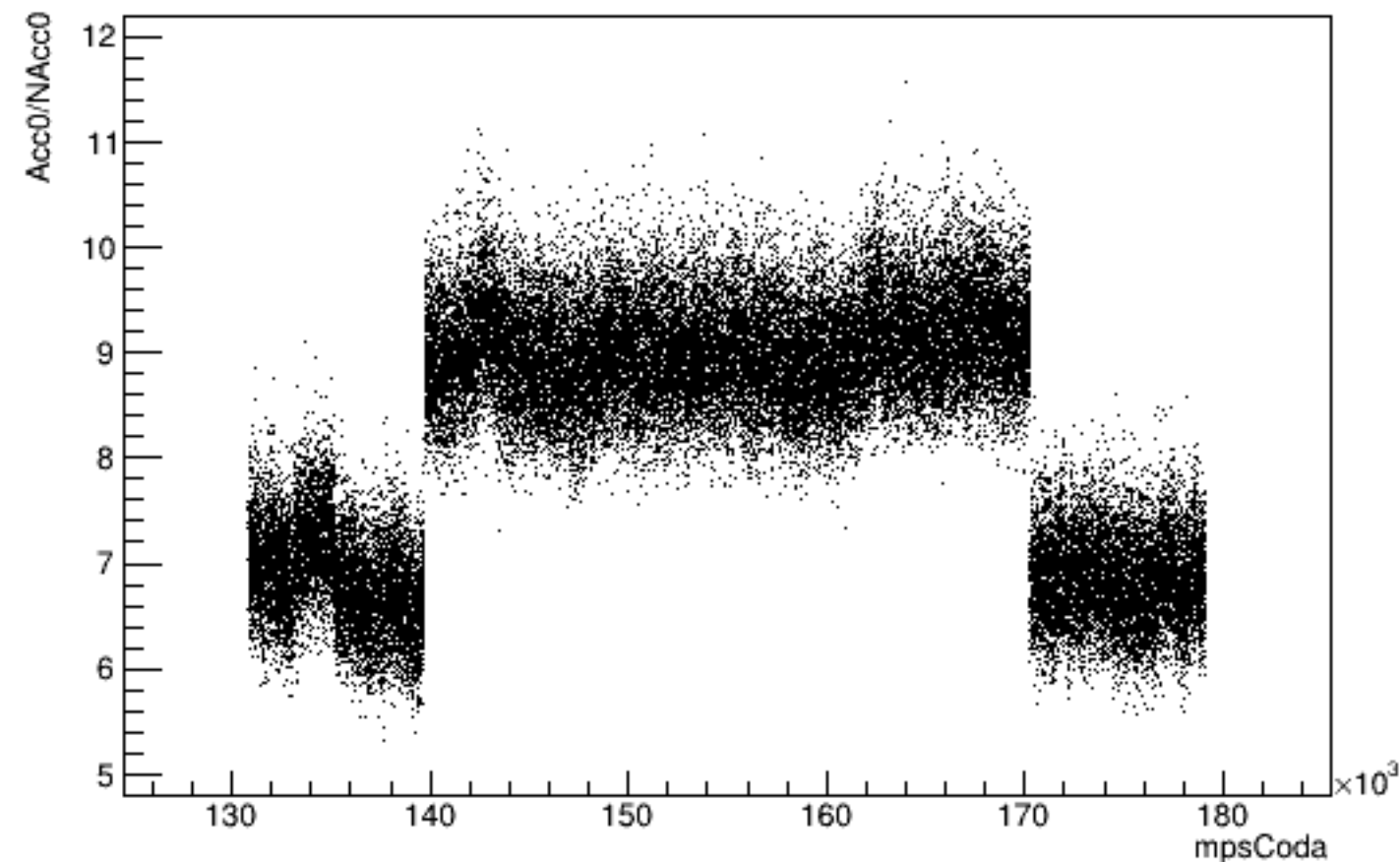
Mean: 0.0010 +/- 0.0018

Std Dev: 0.0613 +/- 0.0013

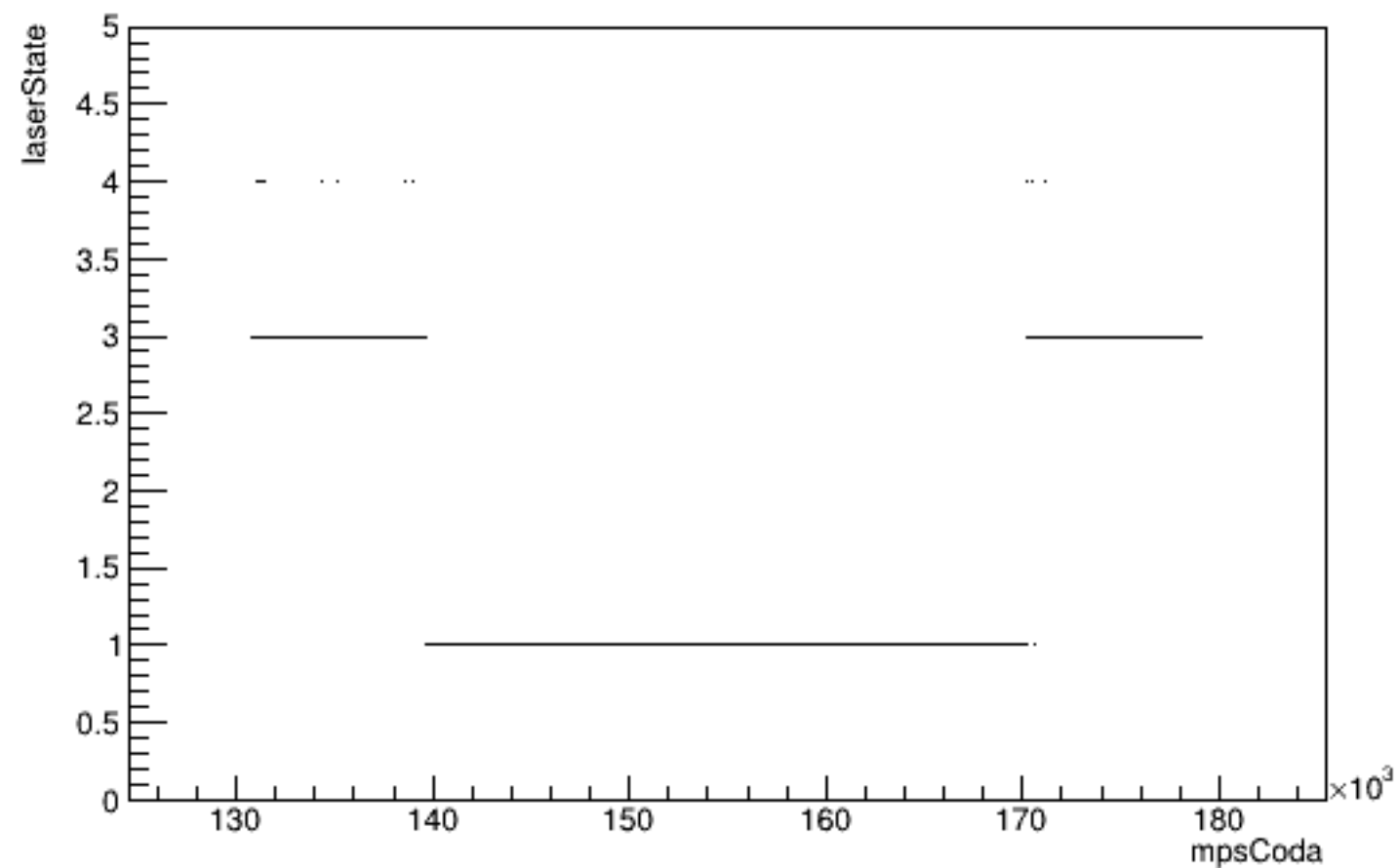
Run 4381 quartetwise, Asyms



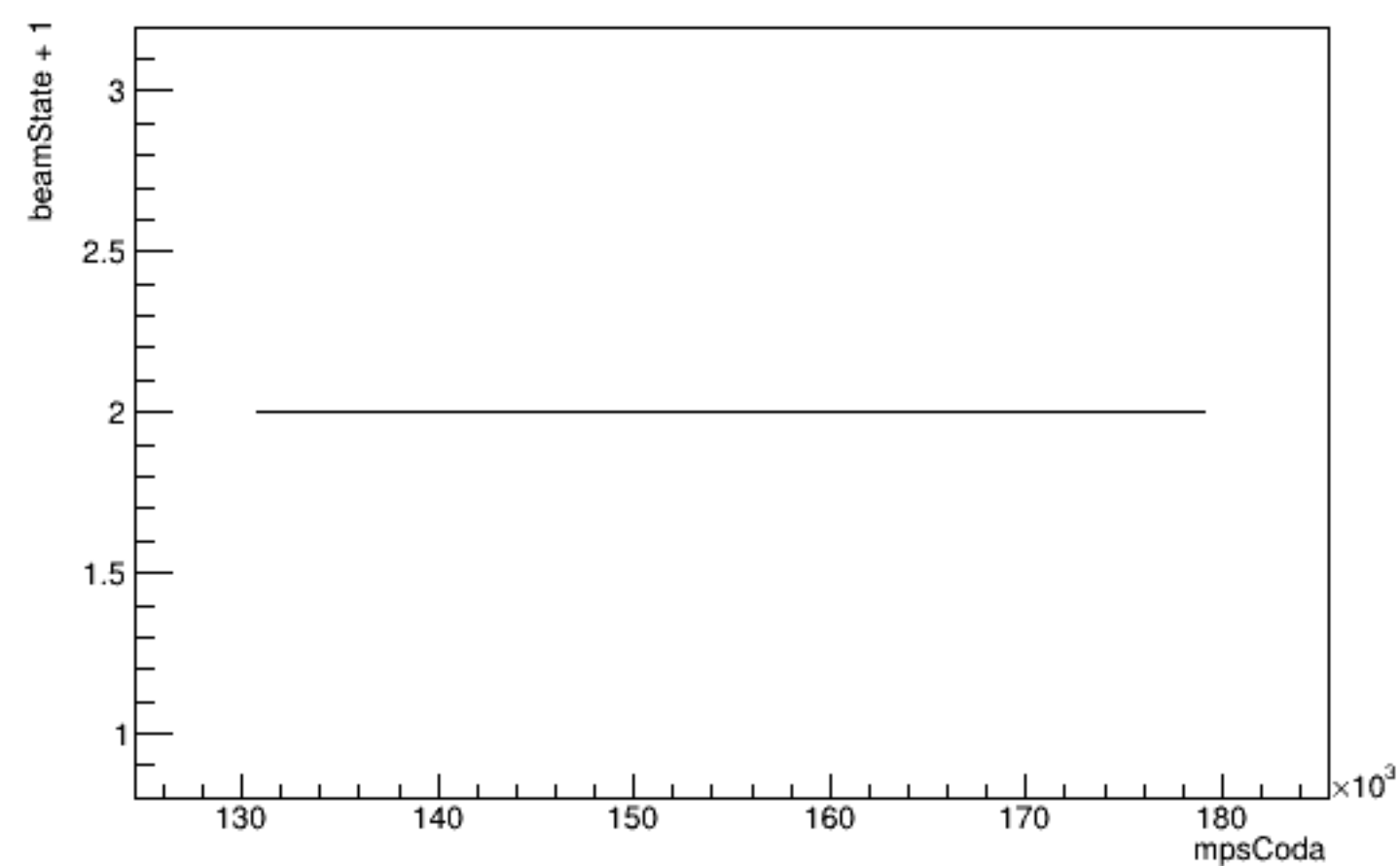
Acc0/NAcc0:mpsCoda {mpsCoda>=130830 && mpsCoda<=179109 && beamState==1}



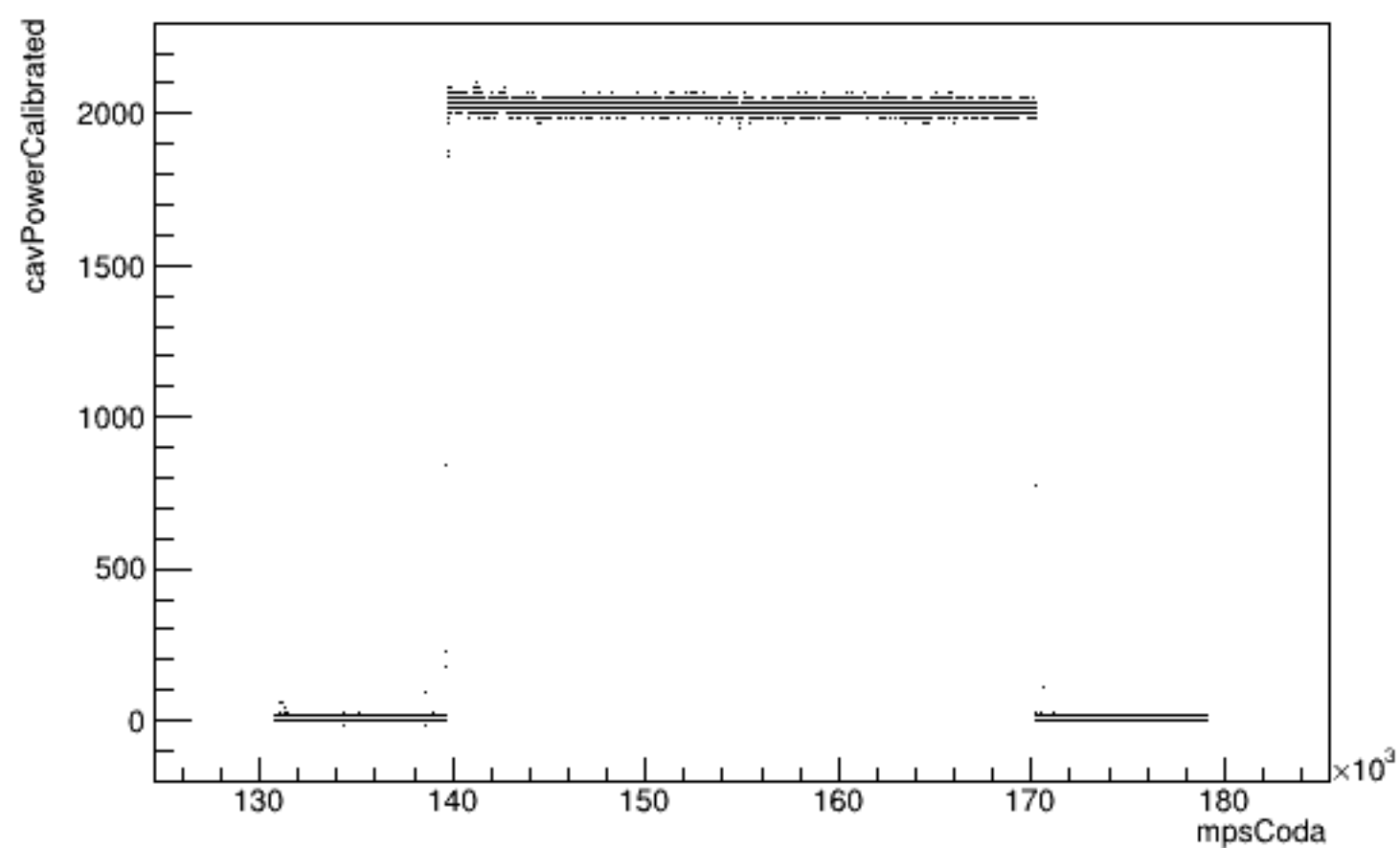
laserState:mpsCoda {mpsCoda>=130830 && mpsCoda<=179109}



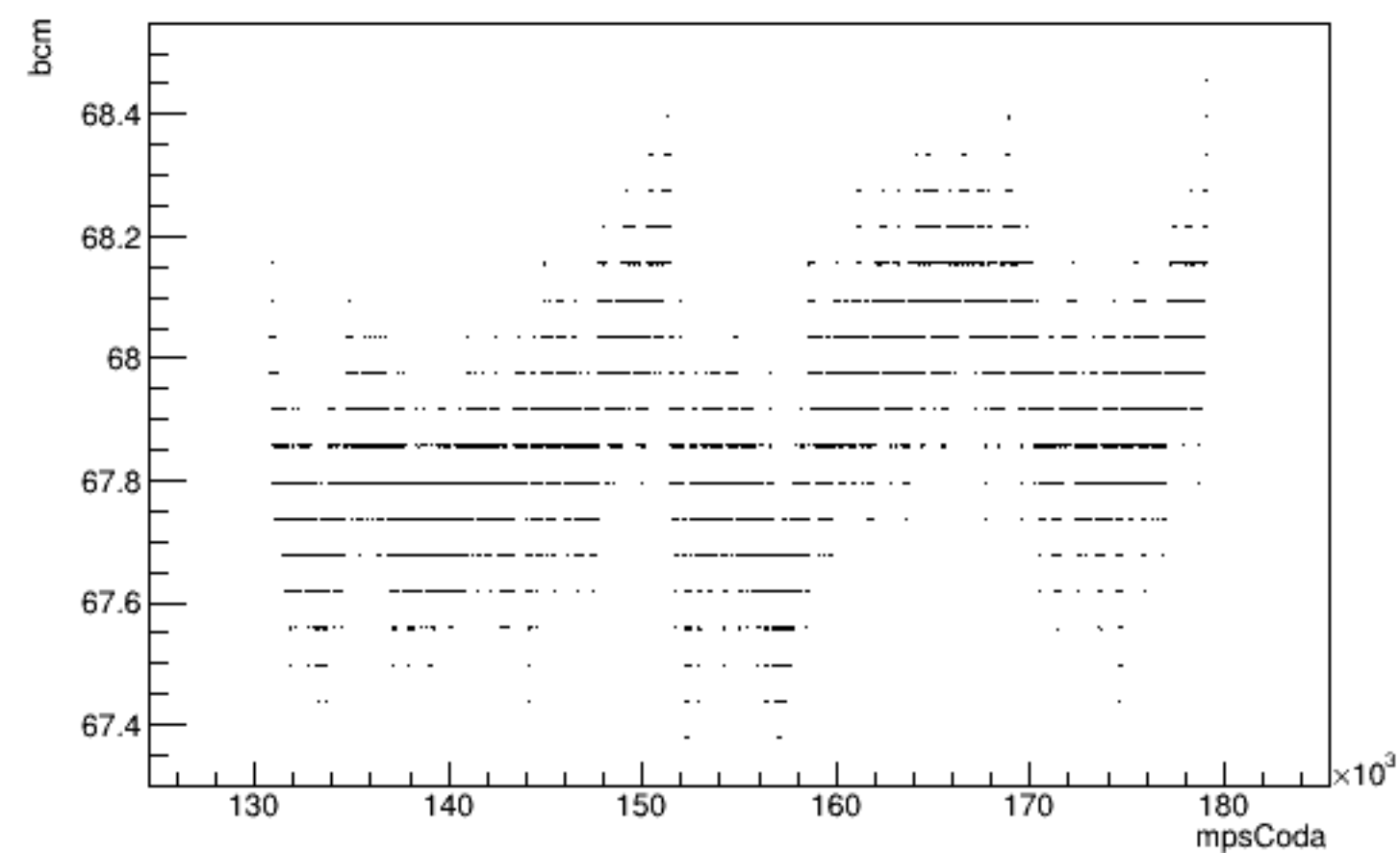
beamState + 1:mpsCoda {mpsCoda>=130830 && mpsCoda<=179109}



cavPowerCalibrated:mpsCoda {mpsCoda>=130830 && mpsCoda<=179109}



bcm:mpsCoda {mpsCoda>=130830 && mpsCoda<=179109}



Cycle 5, Diffs

Entries: 1101

Mean: 0.0043 +/- 0.0080

Std Dev: 0.2664 +/- 0.0057

Entries: 3759

Mean: 0.0640 +/- 0.0050

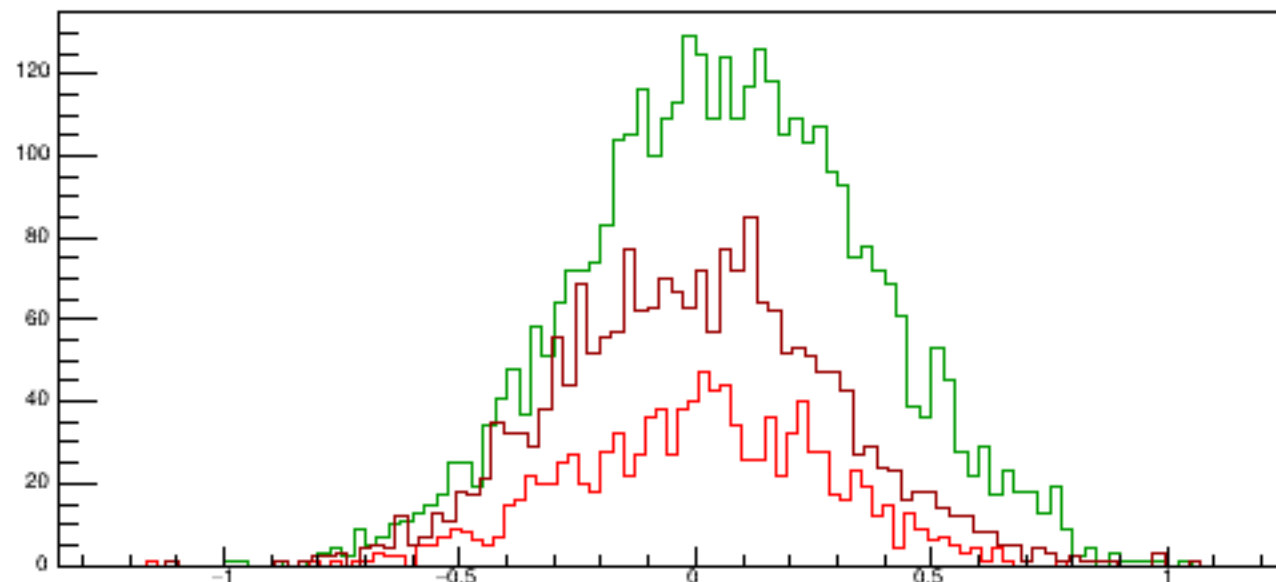
Std Dev: 0.3049 +/- 0.0035

Entries: 2048

Mean: -0.0028 +/- 0.0064

Std Dev: 0.2882 +/- 0.0045

Run 4381 quartetwise, Diffs



Cycle 5, Sums

Entries: 1101

Mean: 13.7109 +/- 0.0103

Std Dev: 0.3422 +/- 0.0073

Entries: 3759

Mean: 18.1850 +/- 0.0073

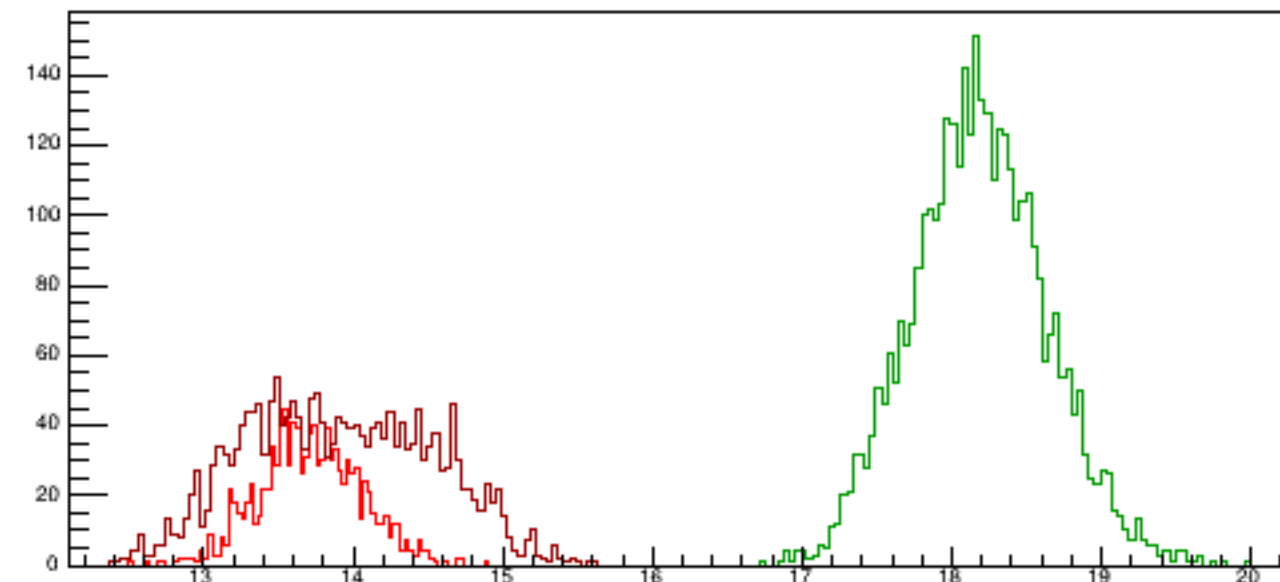
Std Dev: 0.4498 +/- 0.0052

Entries: 2048

Mean: 13.9043 +/- 0.0137

Std Dev: 0.6189 +/- 0.0097

Run 4381 quartetwise, Sums



Cycle 5, Asyms

Entries: 1101

Mean: 0.0010 +/- 0.0018

Std Dev: 0.0609 +/- 0.0013

Entries: 3759

Mean: 0.0149 +/- 0.0011

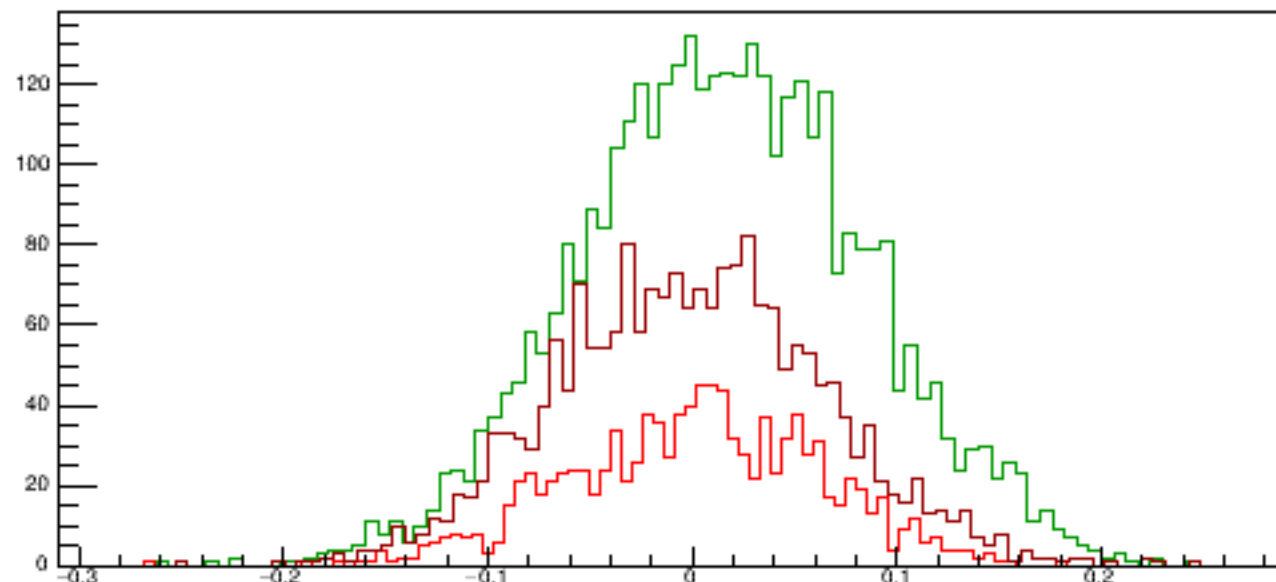
Std Dev: 0.0703 +/- 0.0008

Entries: 2048

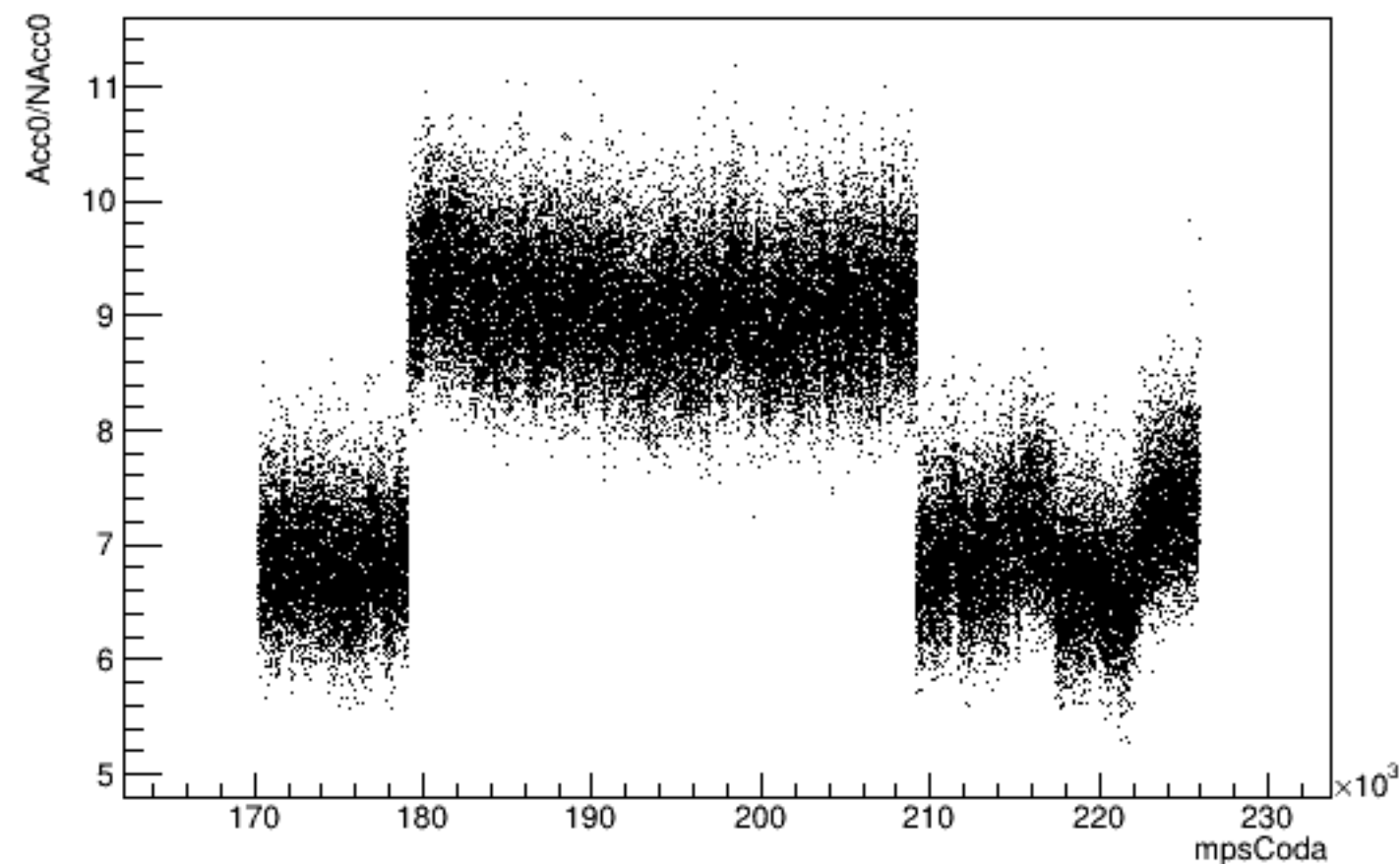
Mean: -0.0006 +/- 0.0015

Std Dev: 0.0658 +/- 0.0010

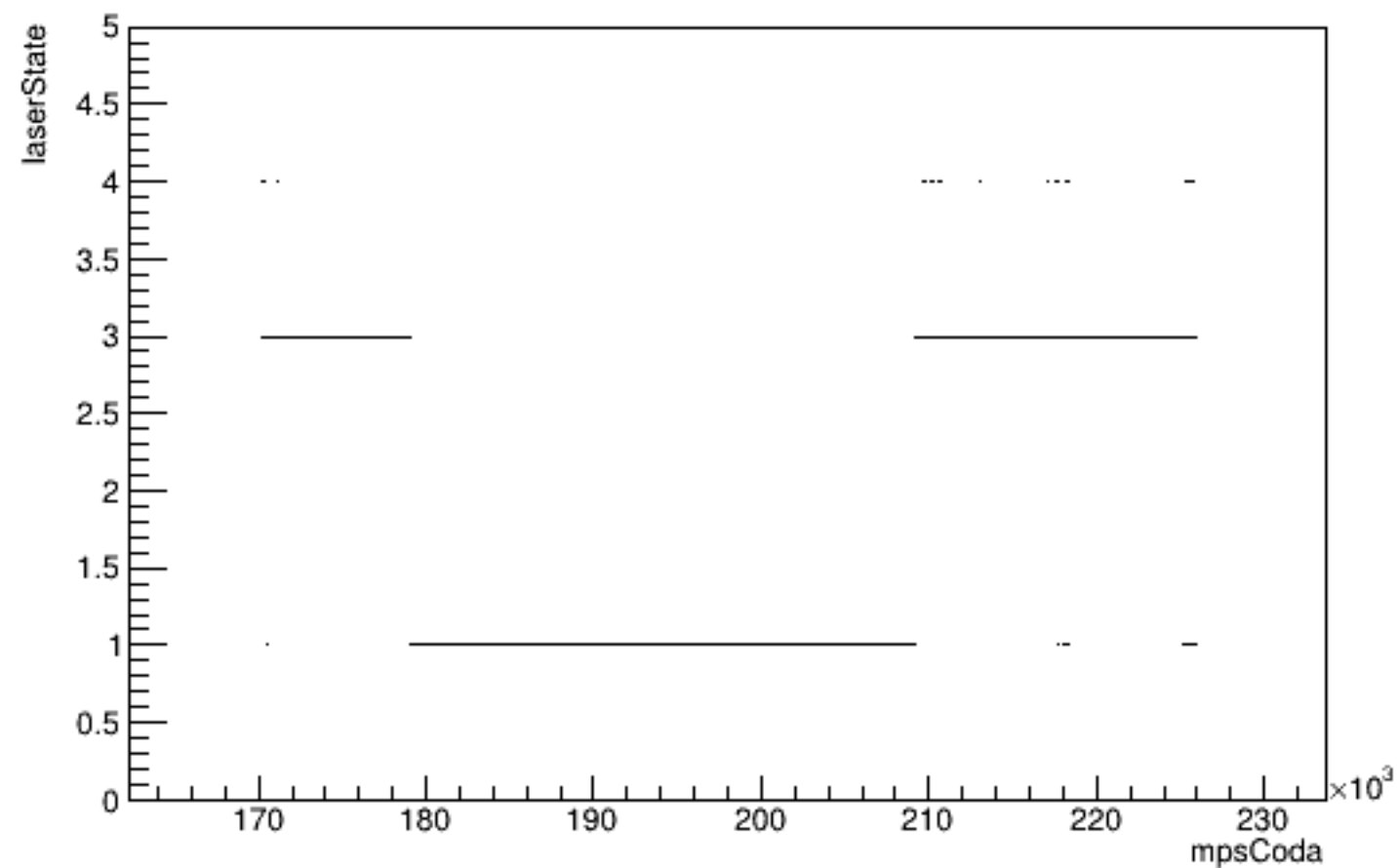
Run 4381 quartetwise, Asyms



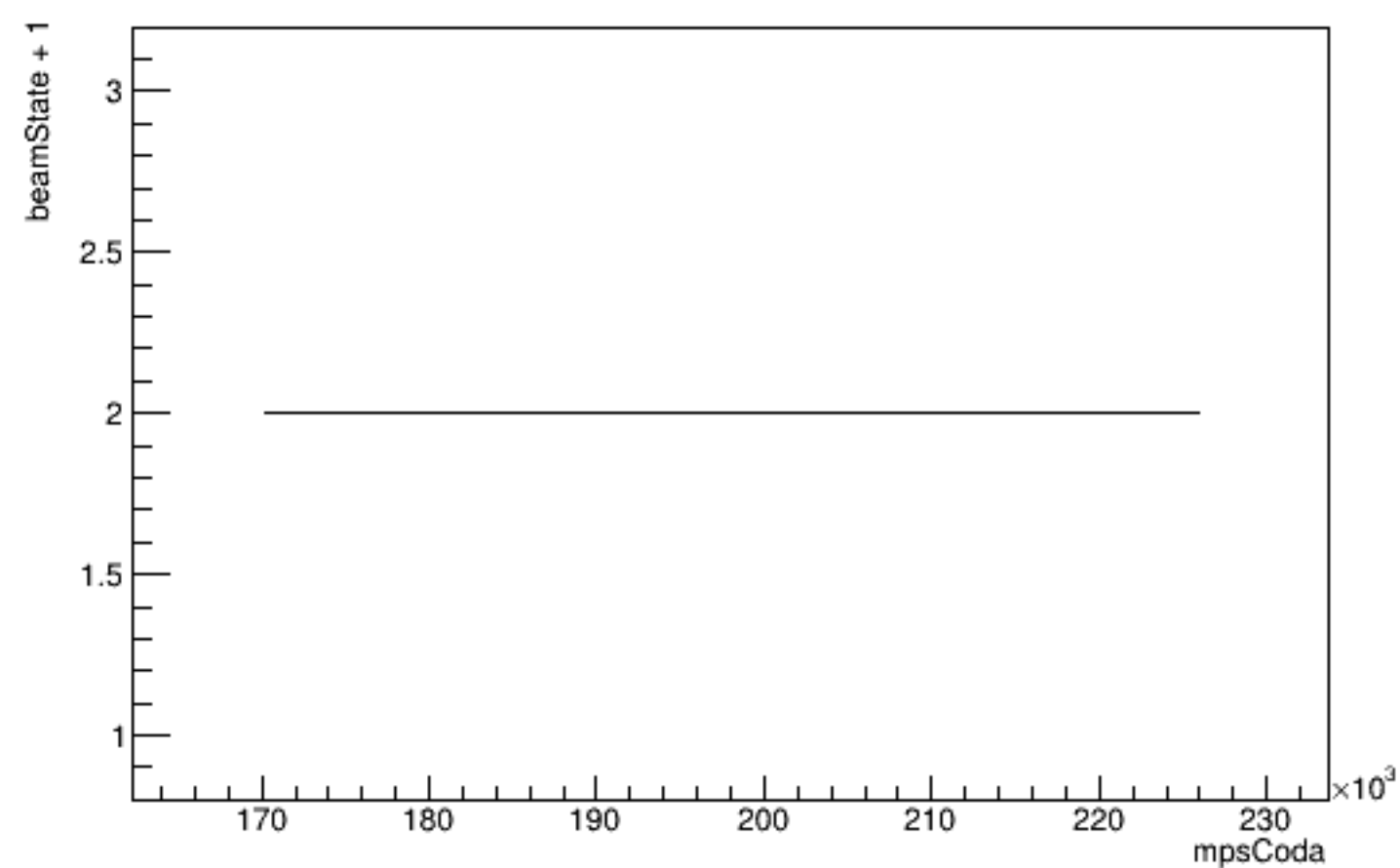
Acc0/NAcc0:mpsCoda {mpsCoda>=170270 && mpsCoda<=225885 && beamState==1}



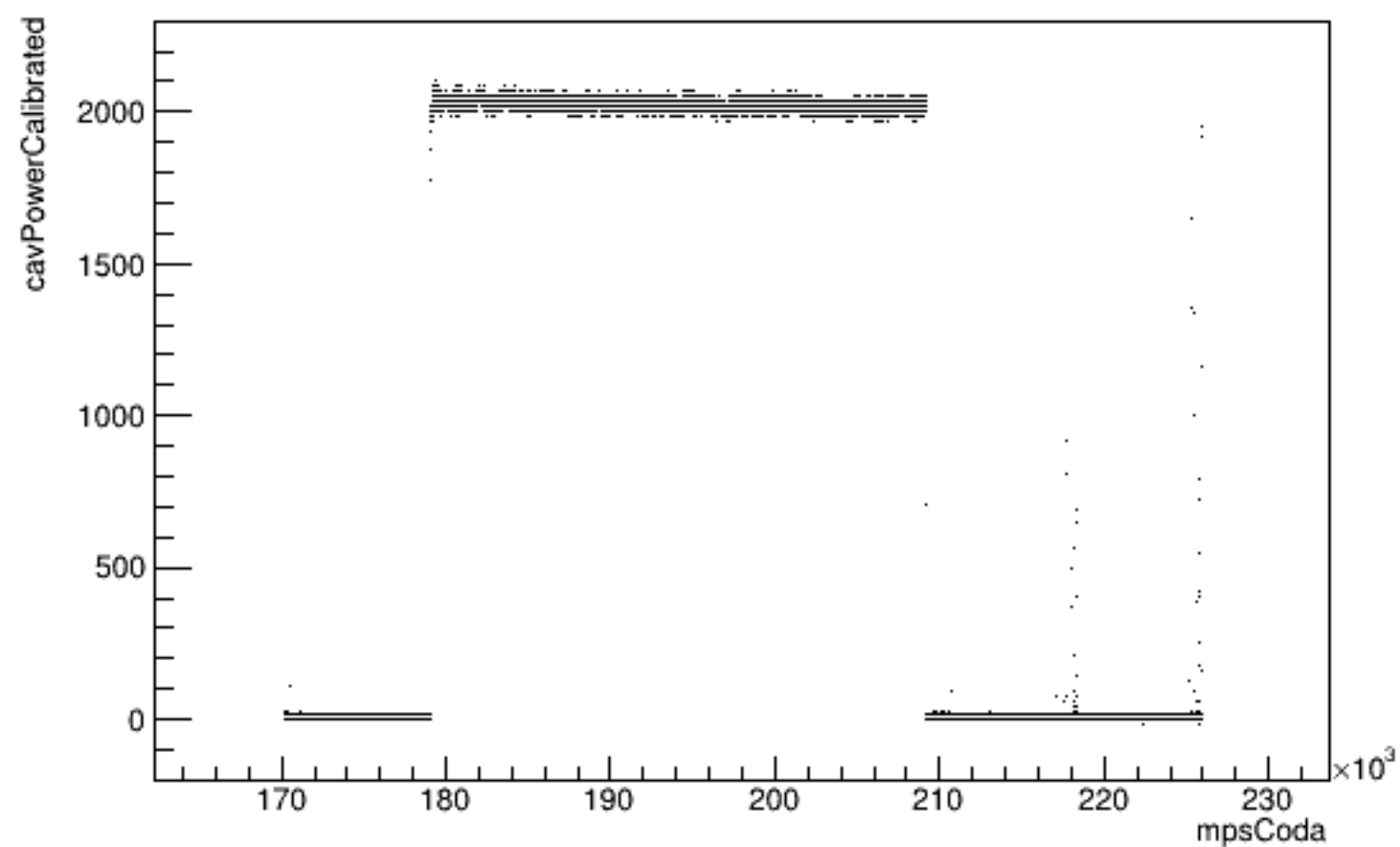
laserState:mpsCoda {mpsCoda>=170270 && mpsCoda<=225885}



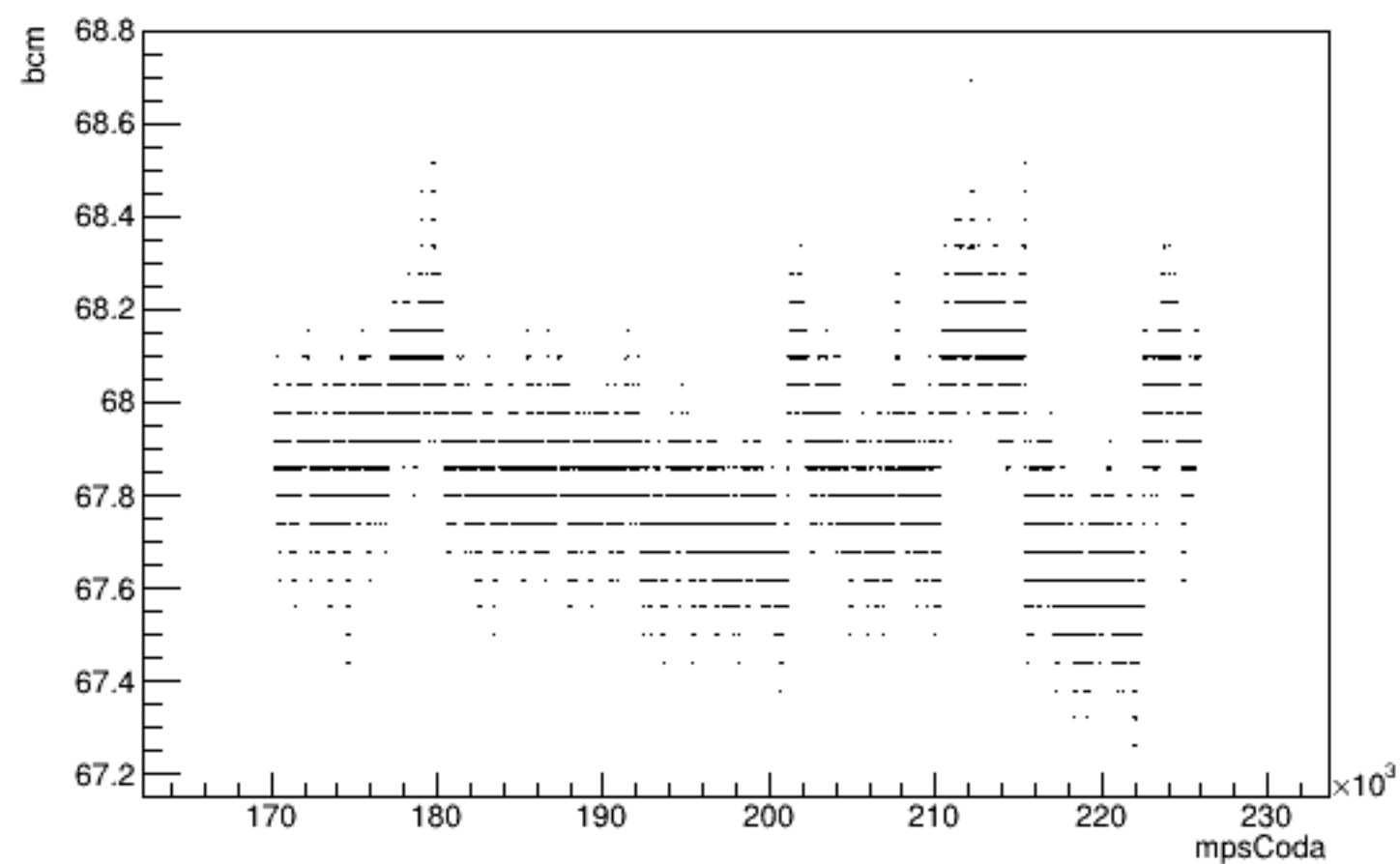
beamState + 1:mpsCoda {mpsCoda>=170270 && mpsCoda<=225885}



cavPowerCalibrated:mpsCoda {mpsCoda>=170270 && mpsCoda<=225885}



bcm:mpsCoda {mpsCoda>=170270 && mpsCoda<=225885}



Cycle 6, Diffs

Entries: 2048

Mean: -0.0028 +/- 0.0064

Std Dev: 0.2882 +/- 0.0045

Entries: 3703

Mean: 0.0711 +/- 0.0052

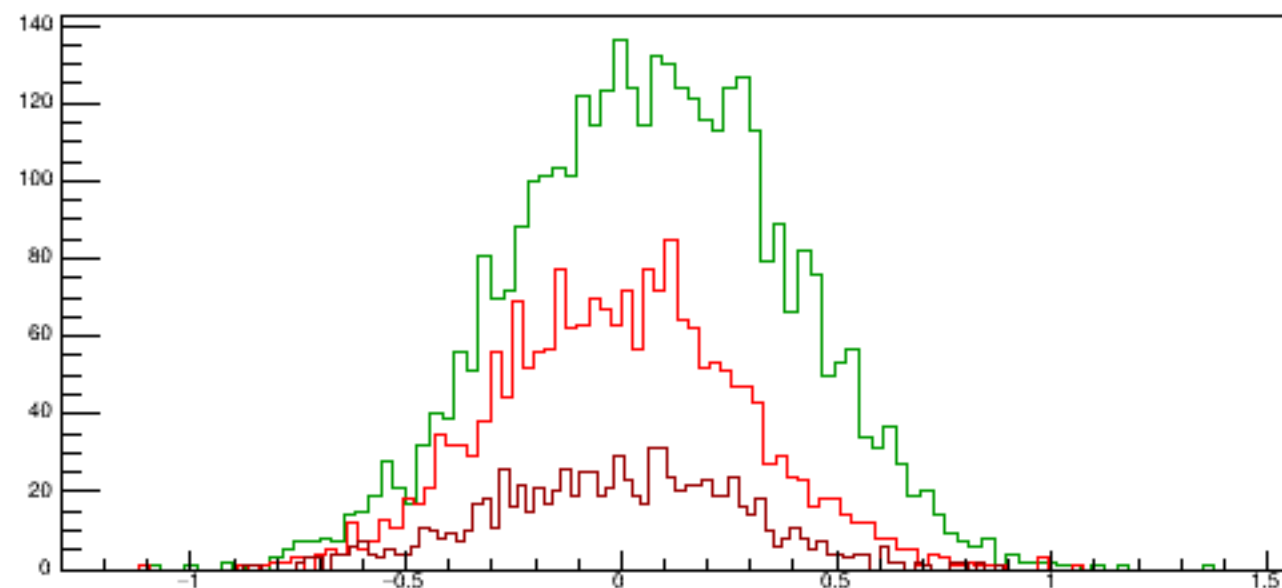
Std Dev: 0.3166 +/- 0.0037

Entries: 895

Mean: -0.0123 +/- 0.0099

Std Dev: 0.2948 +/- 0.0070

Run 4381 quartetwise, Diffs



Cycle 6, Sums

Entries: 2048

Mean: 13.9043 +/- 0.0137

Std Dev: 0.6189 +/- 0.0097

Entries: 3703

Mean: 18.9851 +/- 0.0141

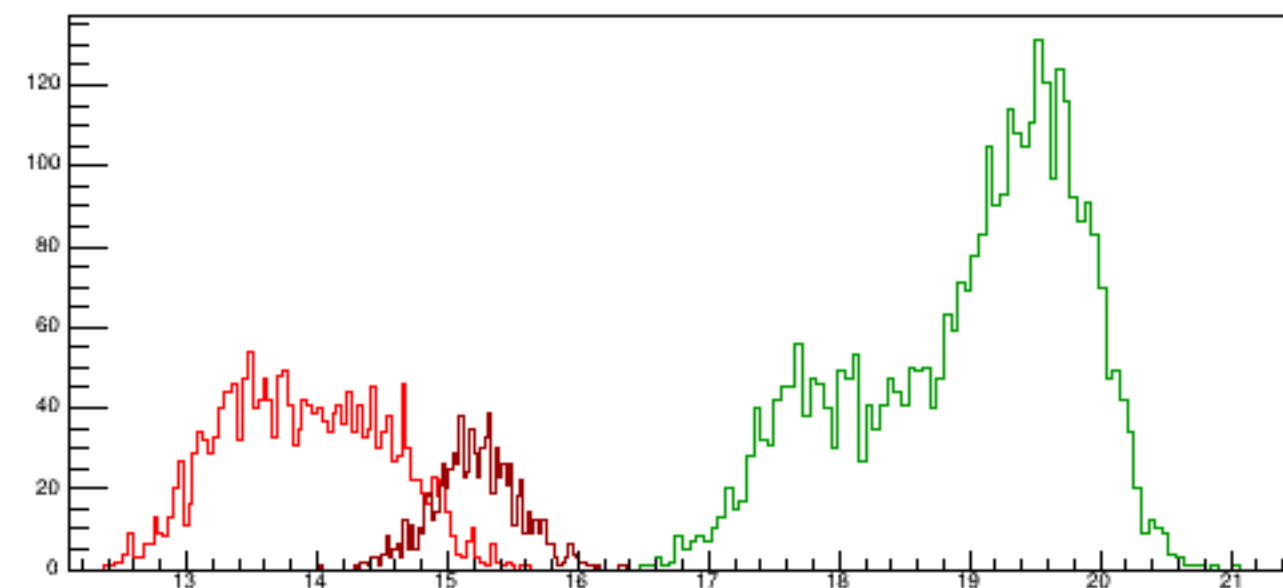
Std Dev: 0.8604 +/- 0.0100

Entries: 895

Mean: 15.2225 +/- 0.0112

Std Dev: 0.3340 +/- 0.0079

Run 4381 quartetwise, Sums



Cycle 6, Asyms

Entries: 2048

Mean: -0.0006 +/- 0.0014

Std Dev: 0.0652 +/- 0.0010

Entries: 3703

Mean: 0.0166 +/- 0.0013

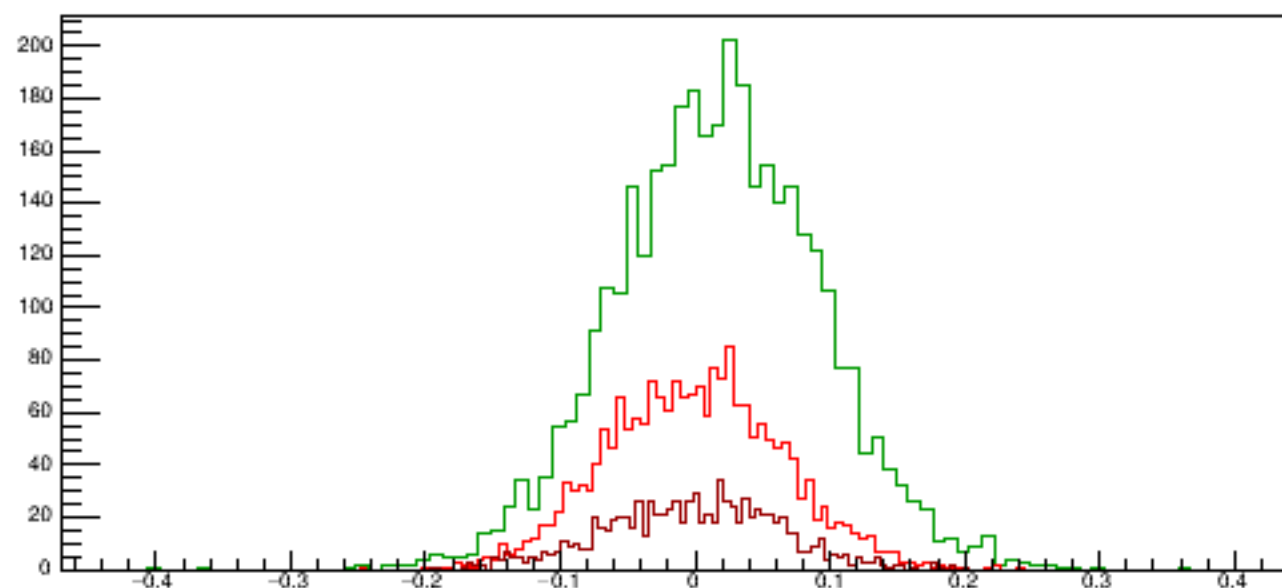
Std Dev: 0.0762 +/- 0.0009

Entries: 895

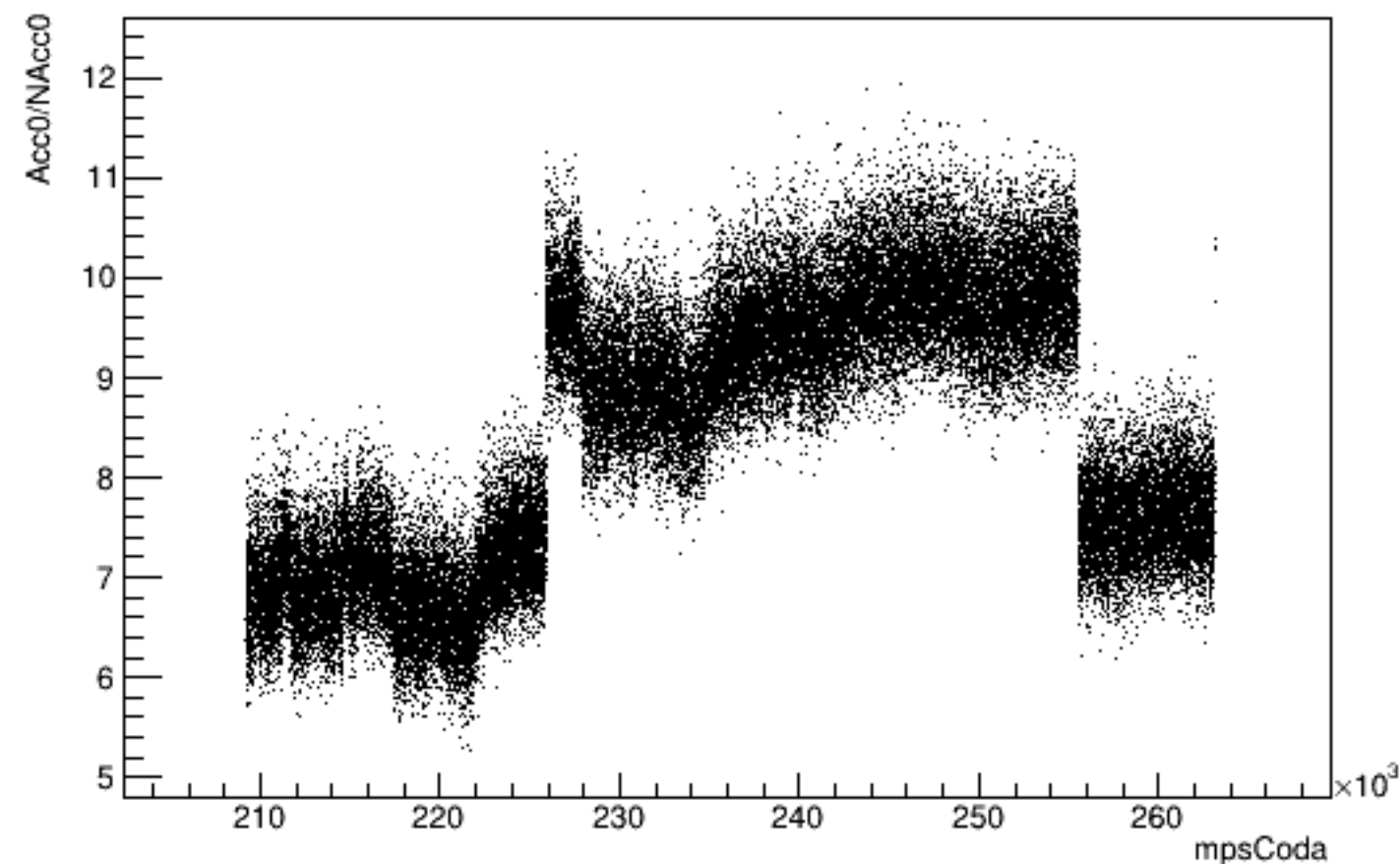
Mean: -0.0028 +/- 0.0022

Std Dev: 0.0667 +/- 0.0016

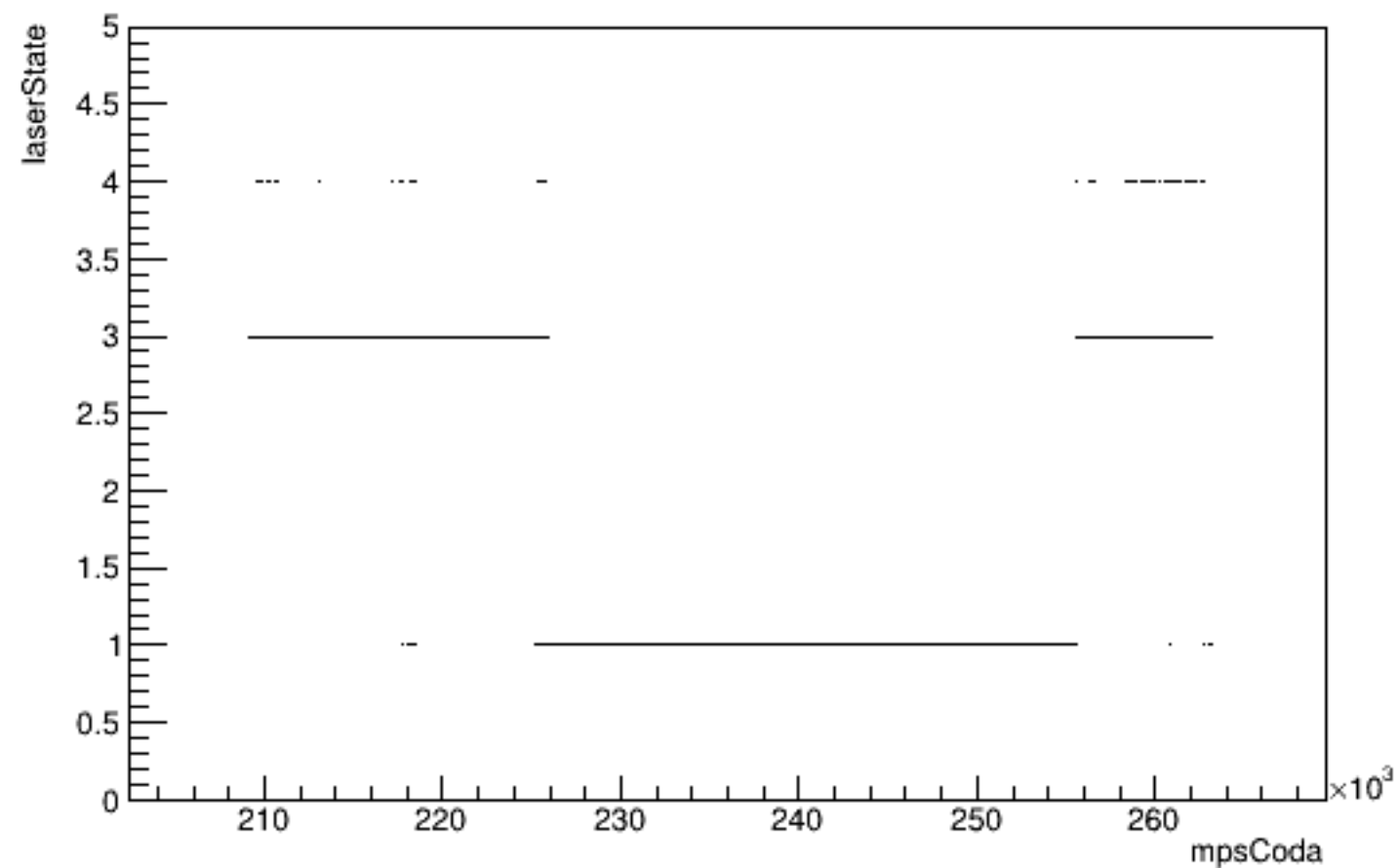
Run 4381 quartetwise, Asyms



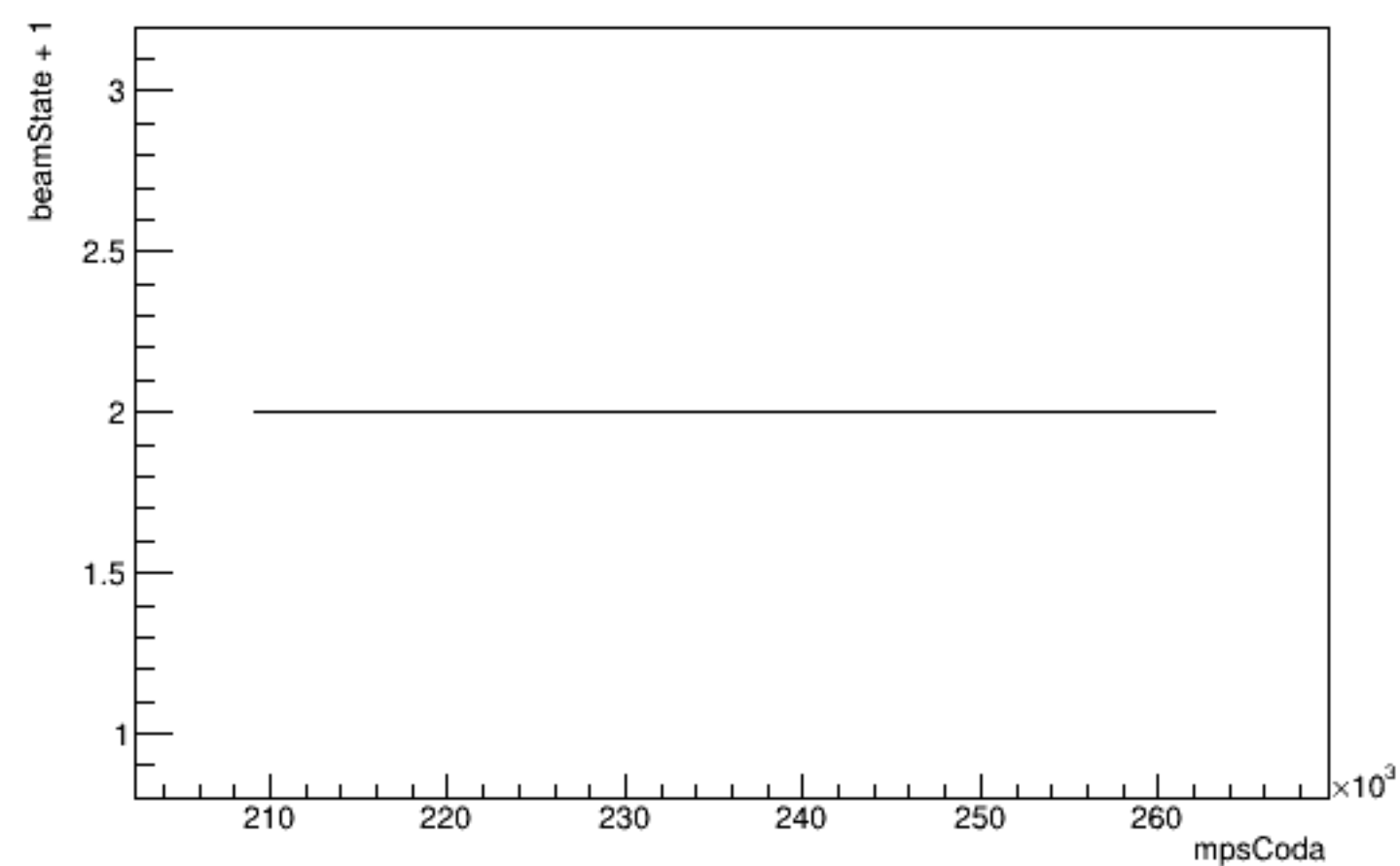
Acc0/NAcc0:mpsCoda {mpsCoda>=209190 && mpsCoda<=263109 && beamState==1}



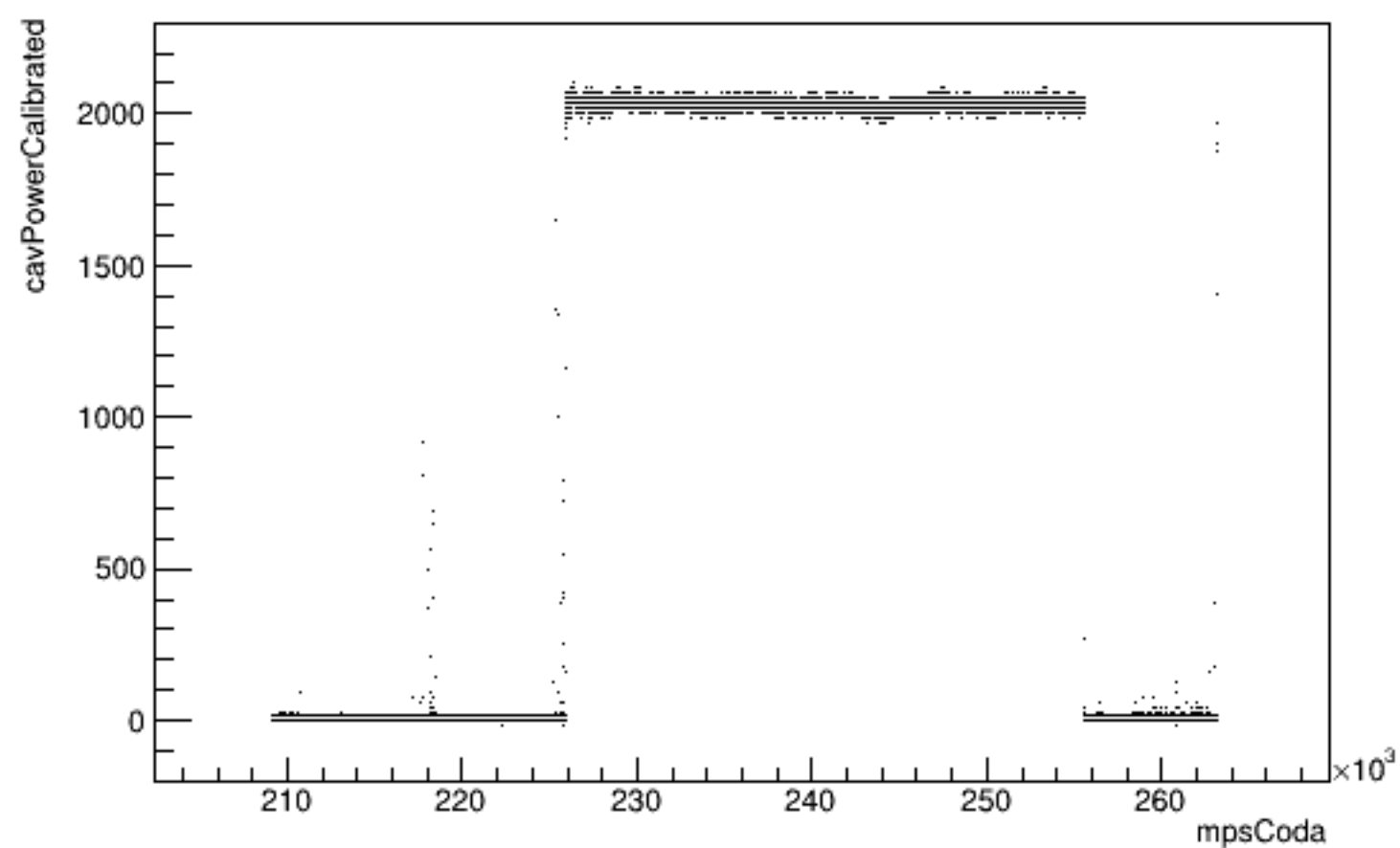
laserState:mpsCoda {mpsCoda>=209190 && mpsCoda<=263109}



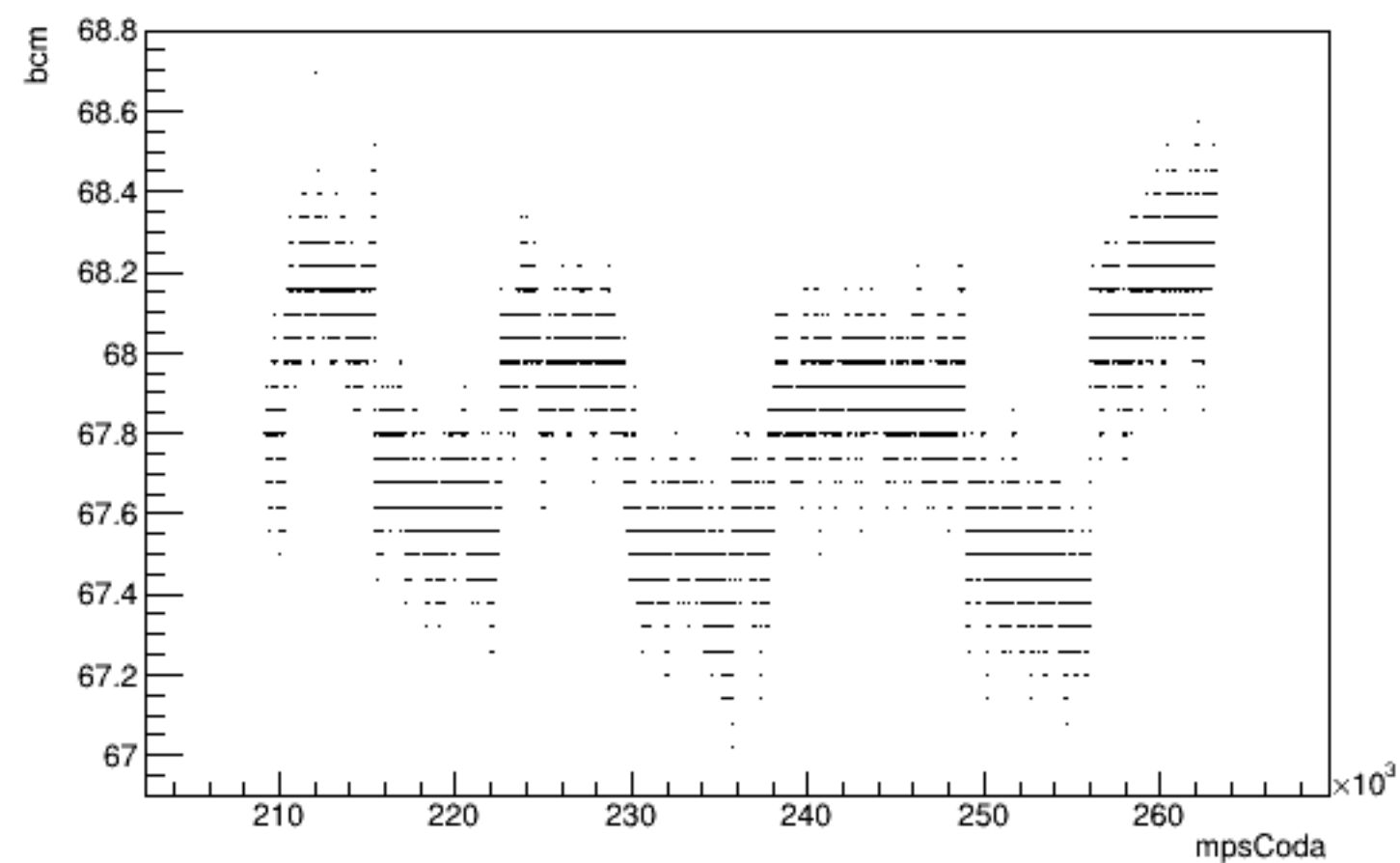
beamState + 1:mpsCoda {mpsCoda>=209190 && mpsCoda<=263109}



cavPowerCalibrated:mpsCoda {mpsCoda>=209190 && mpsCoda<=263109}

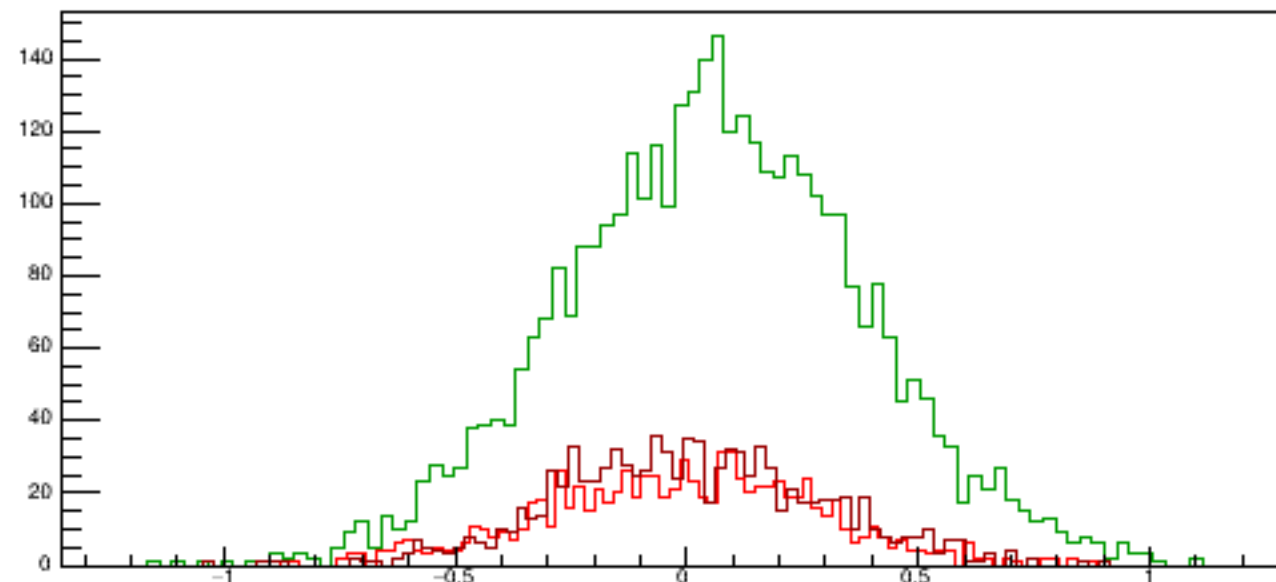


bcm:mpsCoda {mpsCoda>=209190 && mpsCoda<=263109}



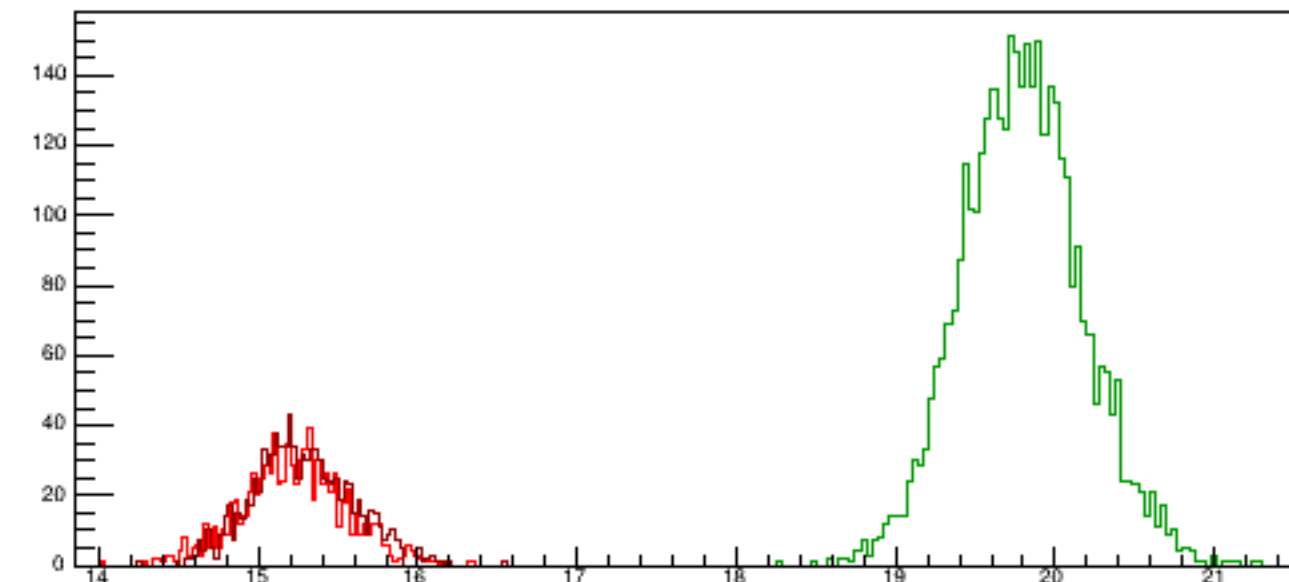
Cycle 7, Diffs

Entries: 895	Entries: 3802	Entries: 969
Mean: -0.0123 +/- 0.0099	Mean: 0.0592 +/- 0.0052	Mean: 0.0050 +/- 0.0090
Std Dev: 0.2948 +/- 0.0070	Std Dev: 0.3217 +/- 0.0037	Std Dev: 0.2815 +/- 0.0064
Run 4381 quartetwise, Diffs		



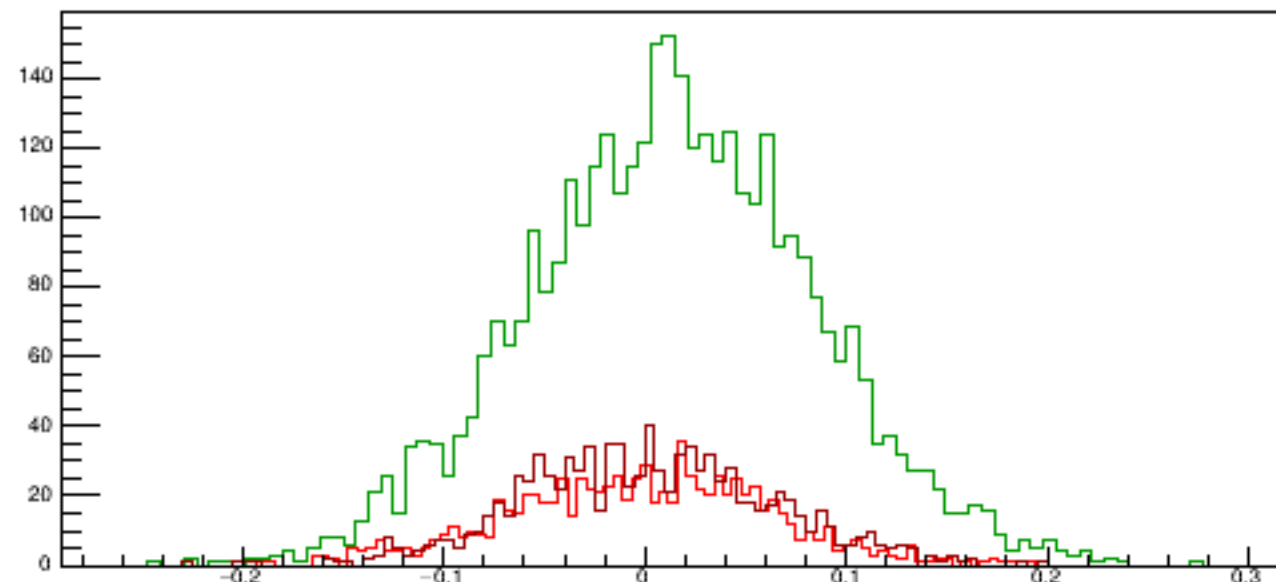
Cycle 7, Sums

Entries: 895	Entries: 3802	Entries: 969
Mean: 15.2225 +/- 0.0112	Mean: 19.7924 +/- 0.0062	Mean: 15.2723 +/- 0.0099
Std Dev: 0.3340 +/- 0.0079	Std Dev: 0.3794 +/- 0.0044	Std Dev: 0.3078 +/- 0.0070
Run 4381 quartetwise, Sums		

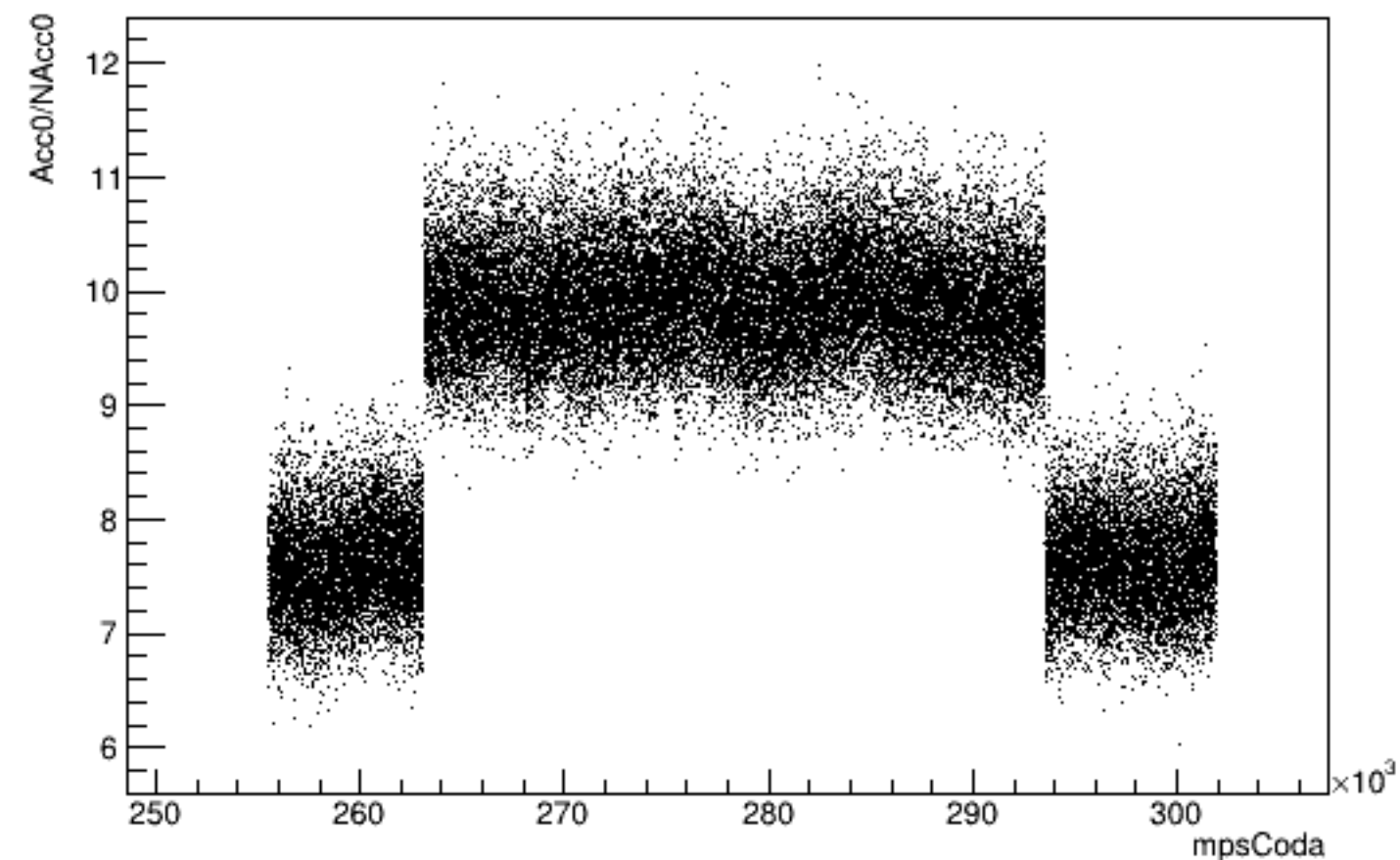


Cycle 7, Asyms

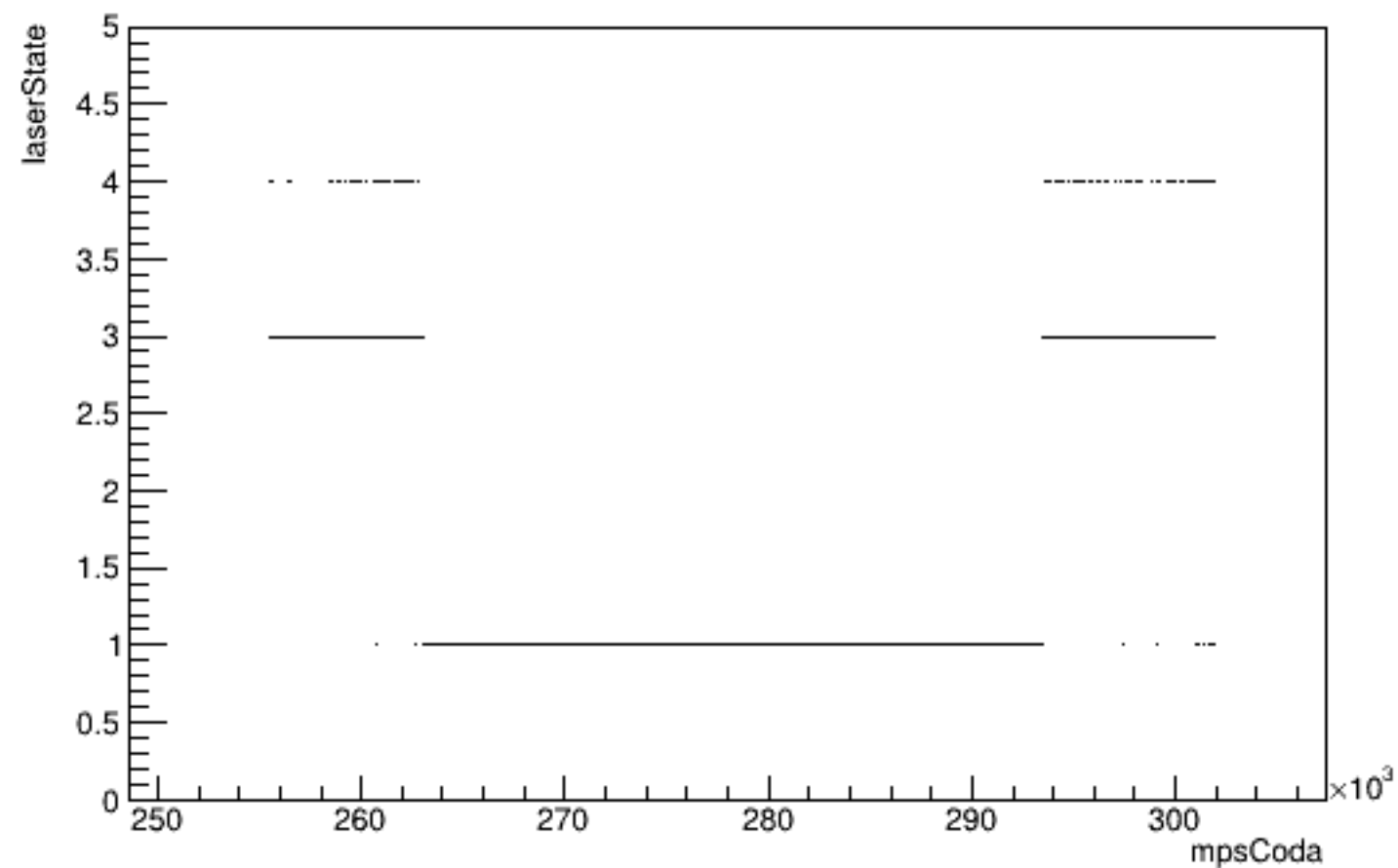
Entries: 895	Entries: 3802	Entries: 969
Mean: -0.0027 +/- 0.0022	Mean: 0.0132 +/- 0.0012	Mean: 0.0011 +/- 0.0020
Std Dev: 0.0649 +/- 0.0015	Std Dev: 0.0710 +/- 0.0008	Std Dev: 0.0619 +/- 0.0014
Run 4381 quartetwise, Asyms		



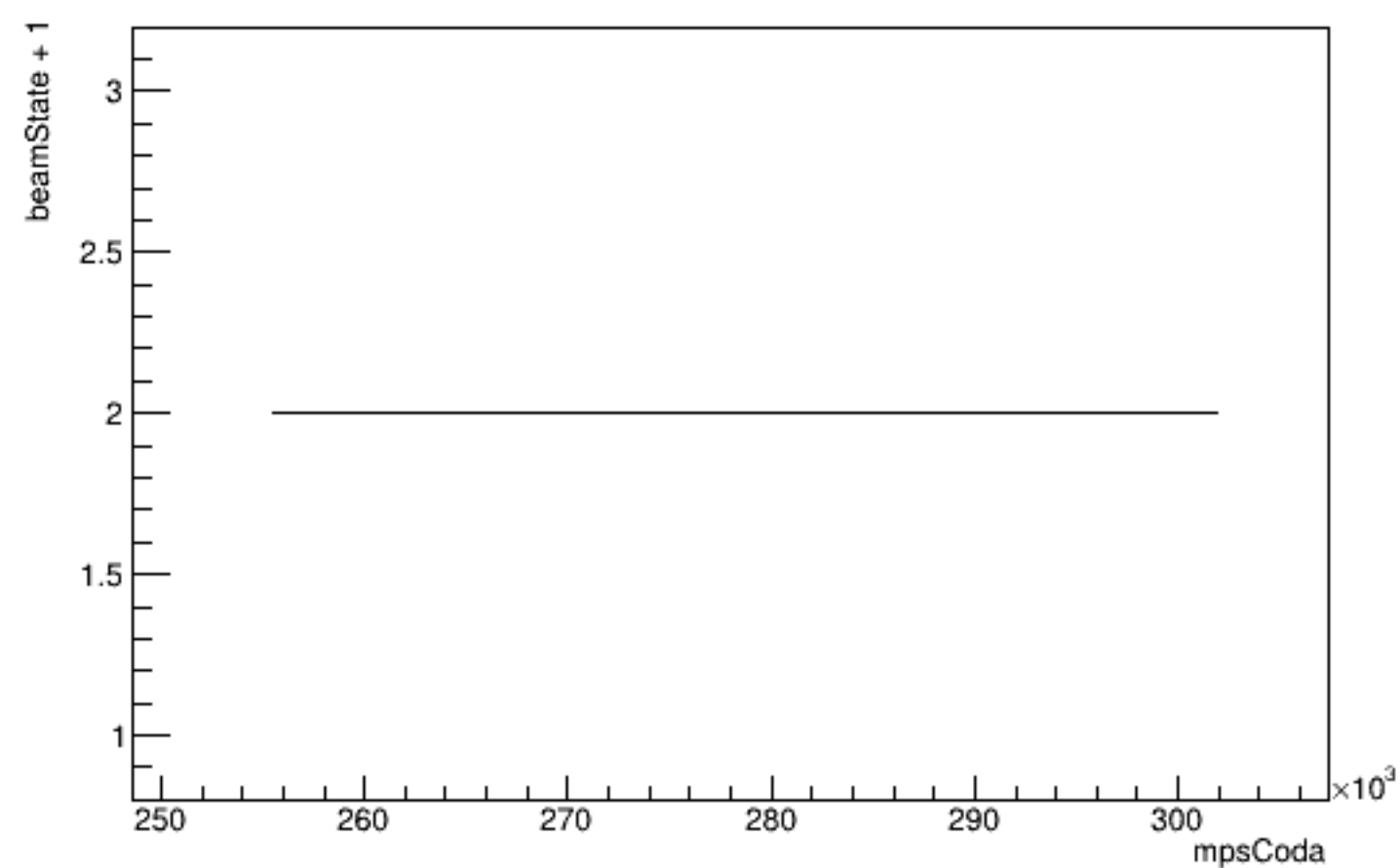
Acc0/NAcc0:mpsCoda {mpsCoda>=255518 && mpsCoda<=301901 && beamState==1}



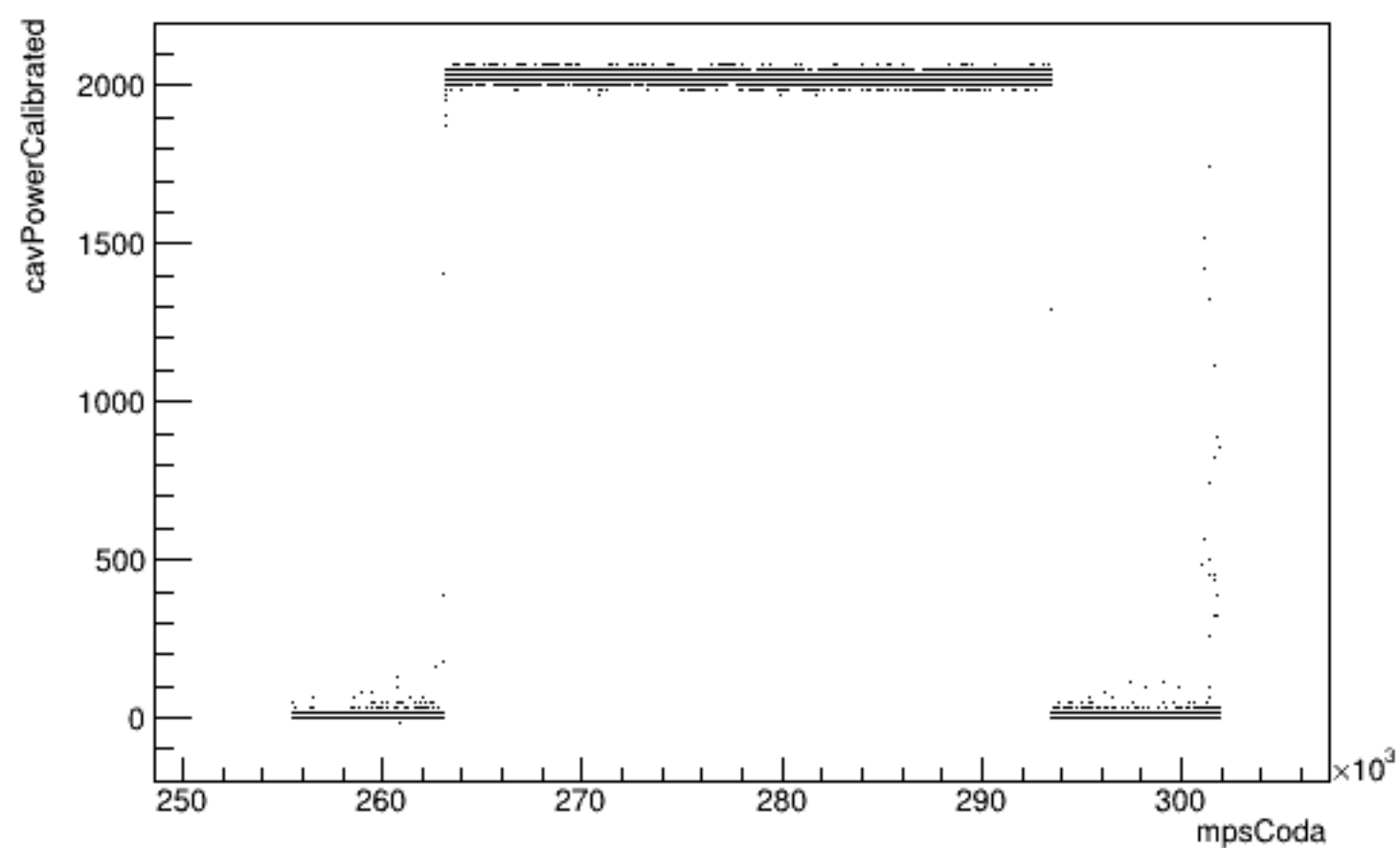
laserState:mpsCoda {mpsCoda>=255518 && mpsCoda<=301901}



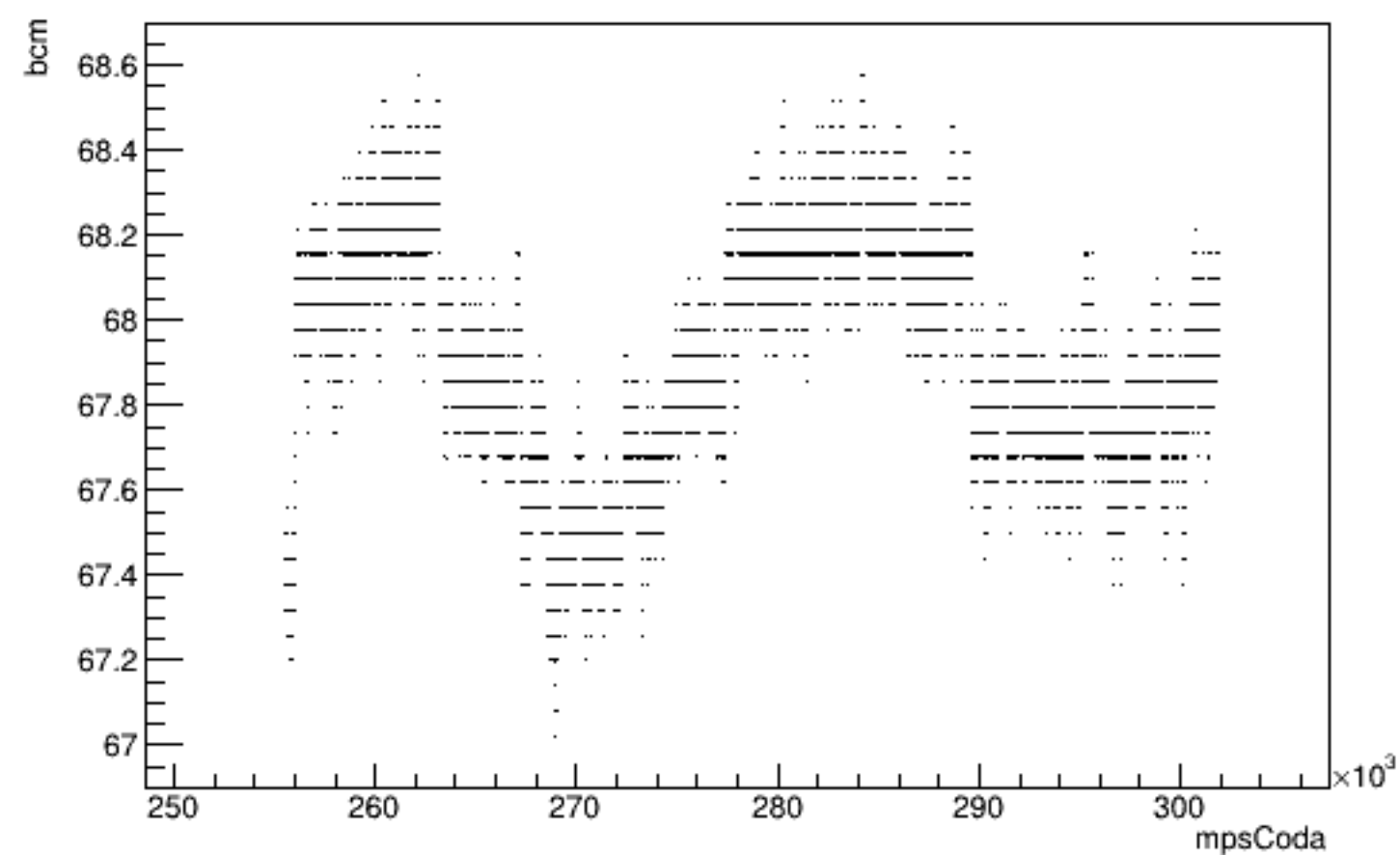
beamState + 1:mpsCoda {mpsCoda>=255518 && mpsCoda<=301901}



cavPowerCalibrated:mpsCoda {mpsCoda>=255518 && mpsCoda<=301901}



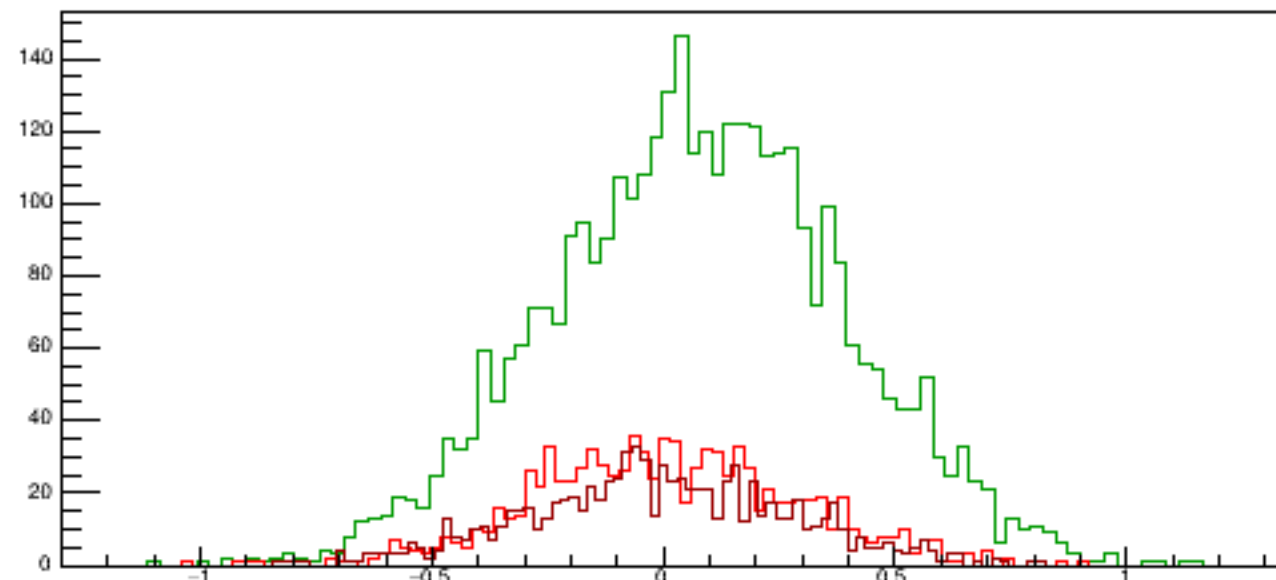
bcm:mpsCoda {mpsCoda>=255518 && mpsCoda<=301901}



Cycle 8, Diffs

Entries: 969	Entries: 3703	Entries: 878
Mean: 0.0050 +/- 0.0090	Mean: 0.0736 +/- 0.0052	Mean: -0.0087 +/- 0.0096
Std Dev: 0.2815 +/- 0.0064	Std Dev: 0.3160 +/- 0.0037	Std Dev: 0.2850 +/- 0.0068

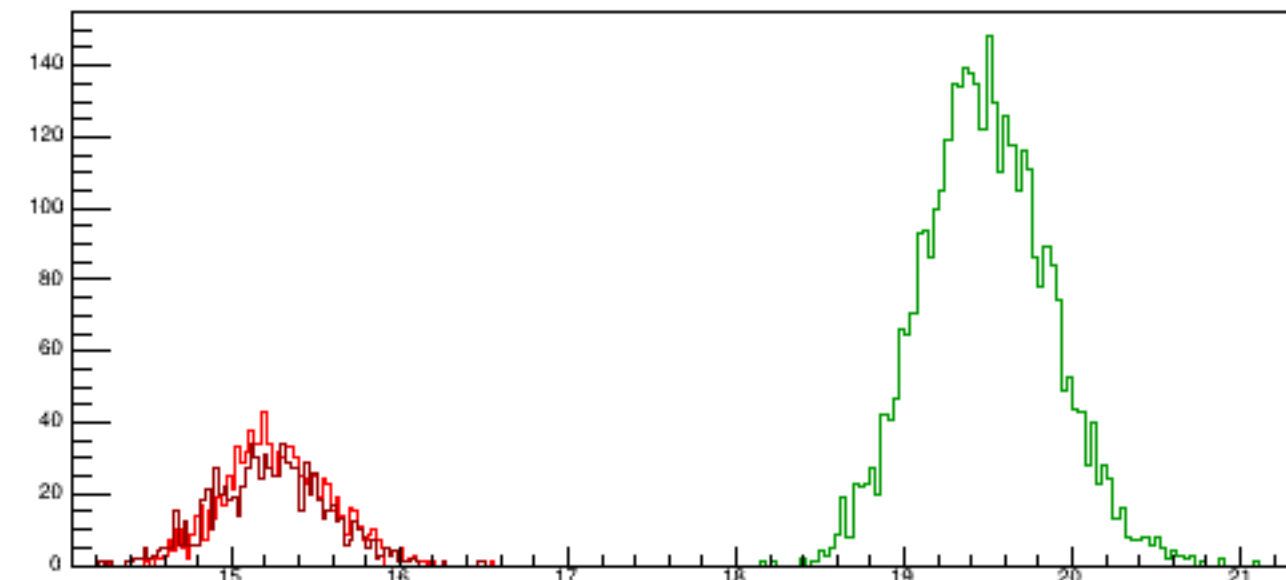
Run 4381 quartetwise, Diffs



Cycle 8, Sums

Entries: 969	Entries: 3703	Entries: 878
Mean: 15.2723 +/- 0.0099	Mean: 19.4857 +/- 0.0063	Mean: 15.2297 +/- 0.0113
Std Dev: 0.3078 +/- 0.0070	Std Dev: 0.3807 +/- 0.0044	Std Dev: 0.3342 +/- 0.0080

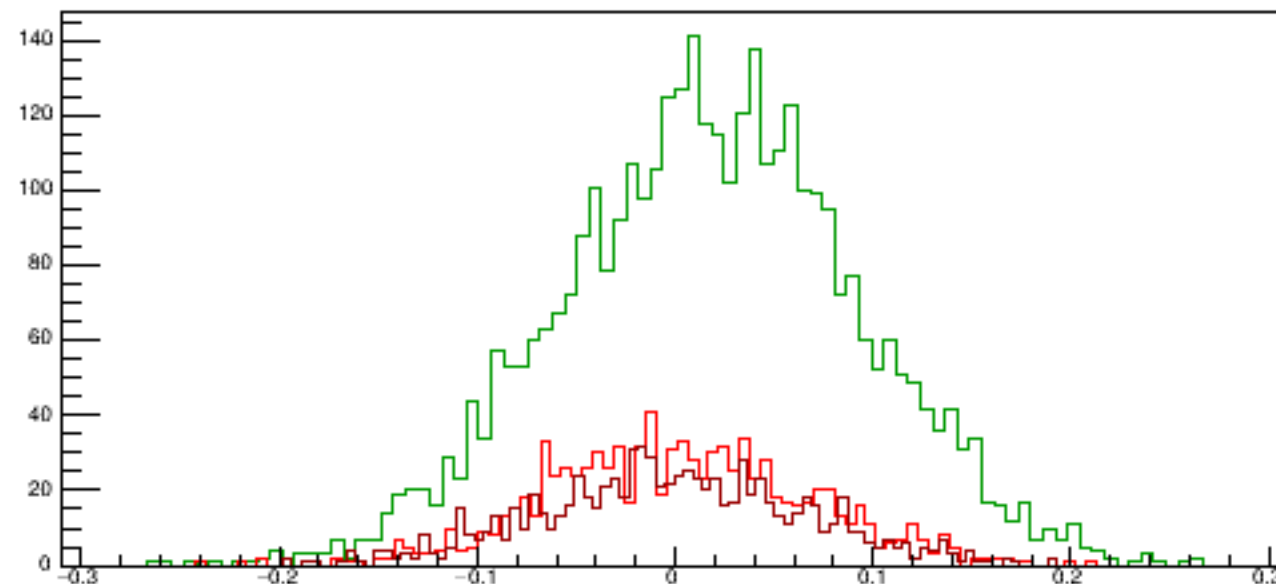
Run 4381 quartetwise, Sums



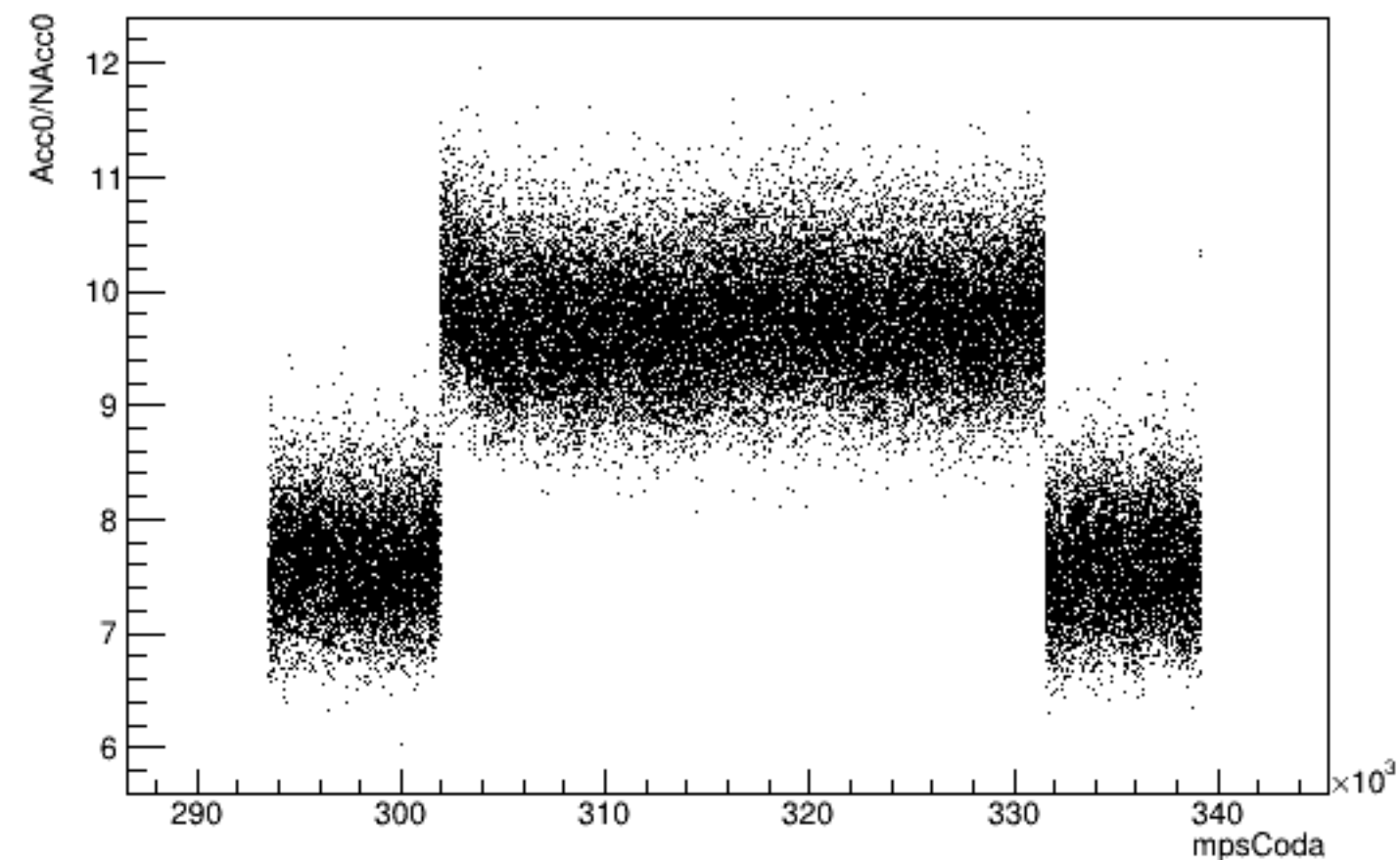
Cycle 8, Asyms

Entries: 969	Entries: 3703	Entries: 878
Mean: 0.0012 +/- 0.0021	Mean: 0.0176 +/- 0.0012	Mean: -0.0021 +/- 0.0023
Std Dev: 0.0665 +/- 0.0015	Std Dev: 0.0754 +/- 0.0009	Std Dev: 0.0673 +/- 0.0016

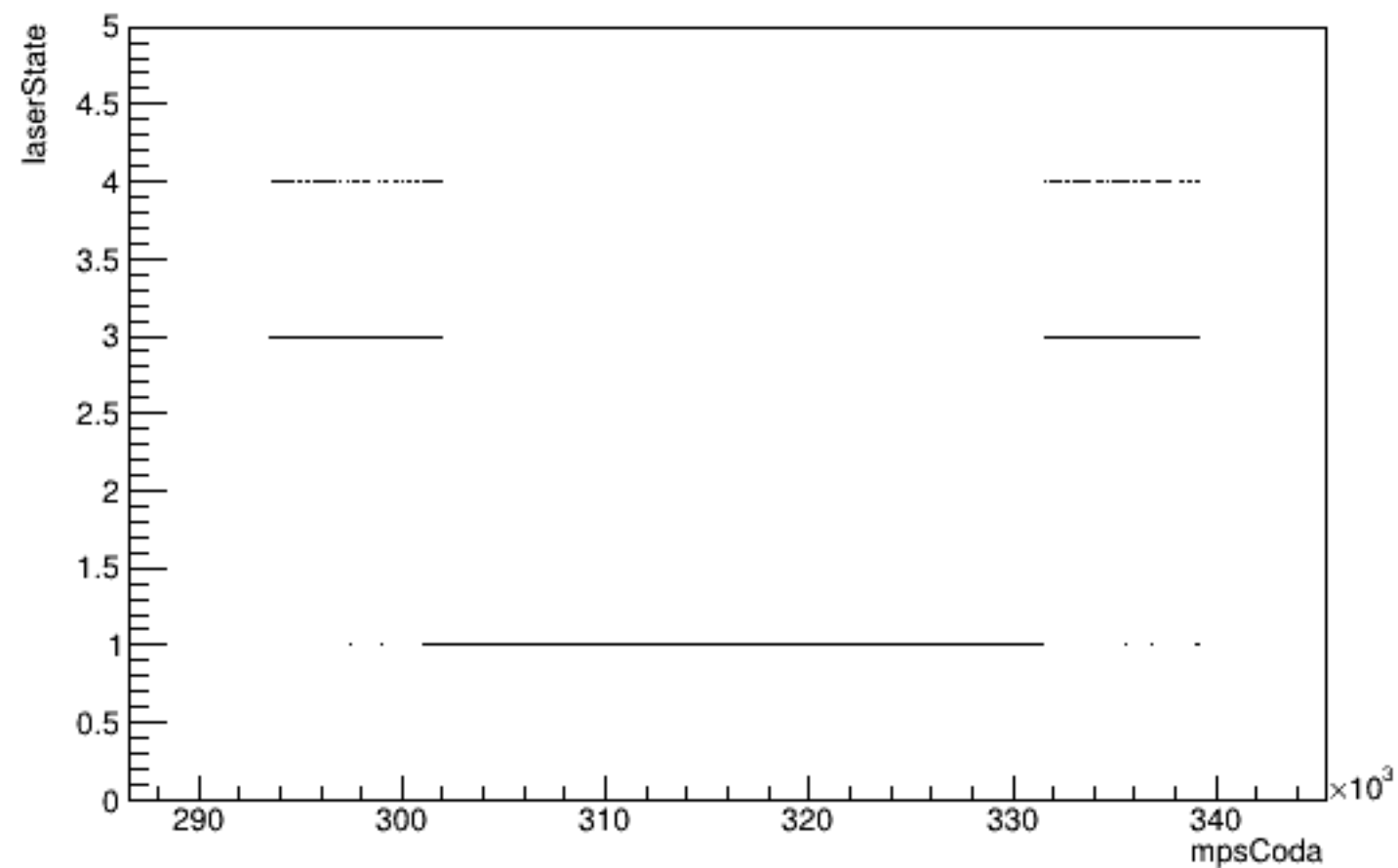
Run 4381 quartetwise, Asyms



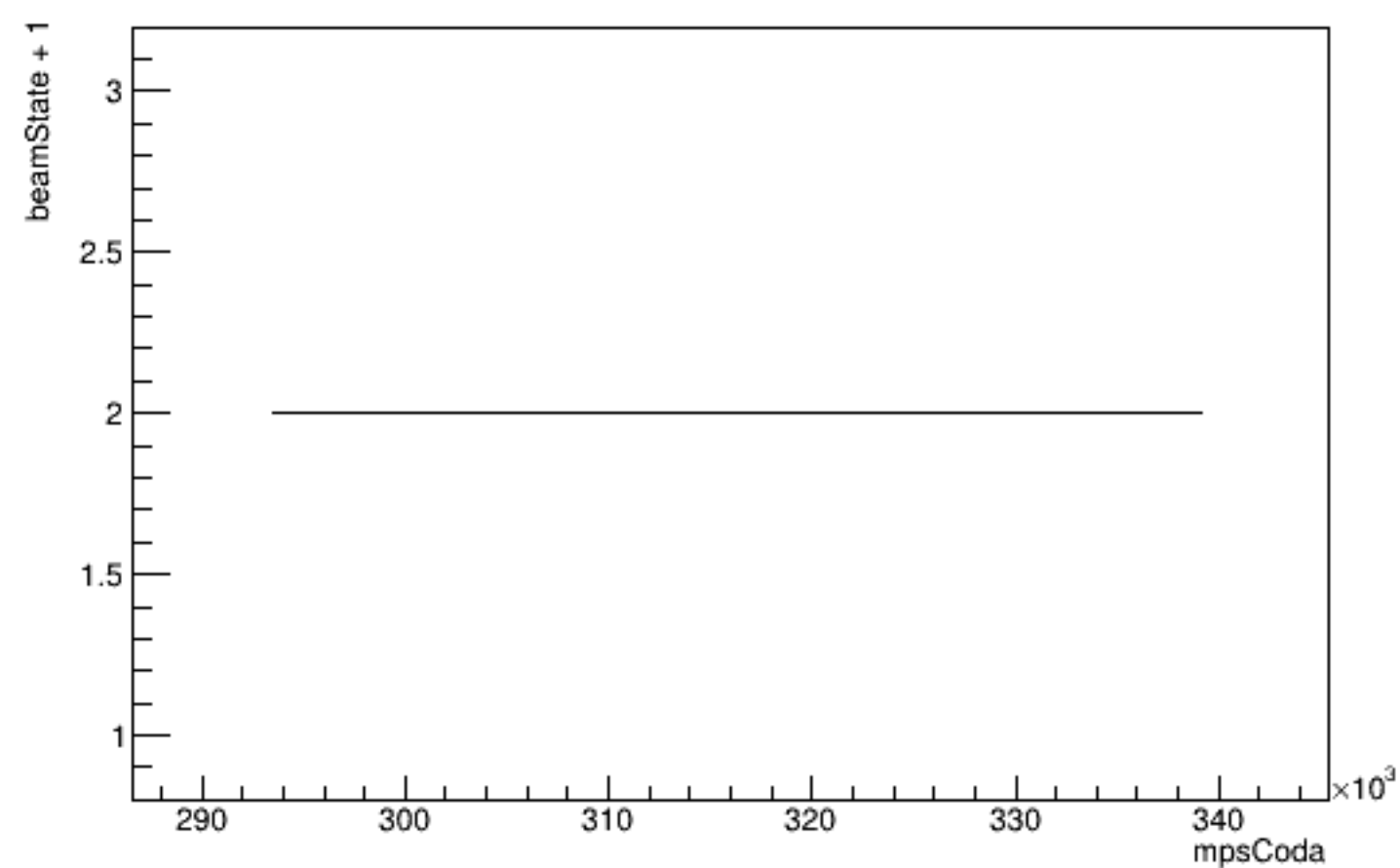
Acc0/NAcc0:mpsCoda {mpsCoda>=293526 && mpsCoda<=339141 && beamState==1}



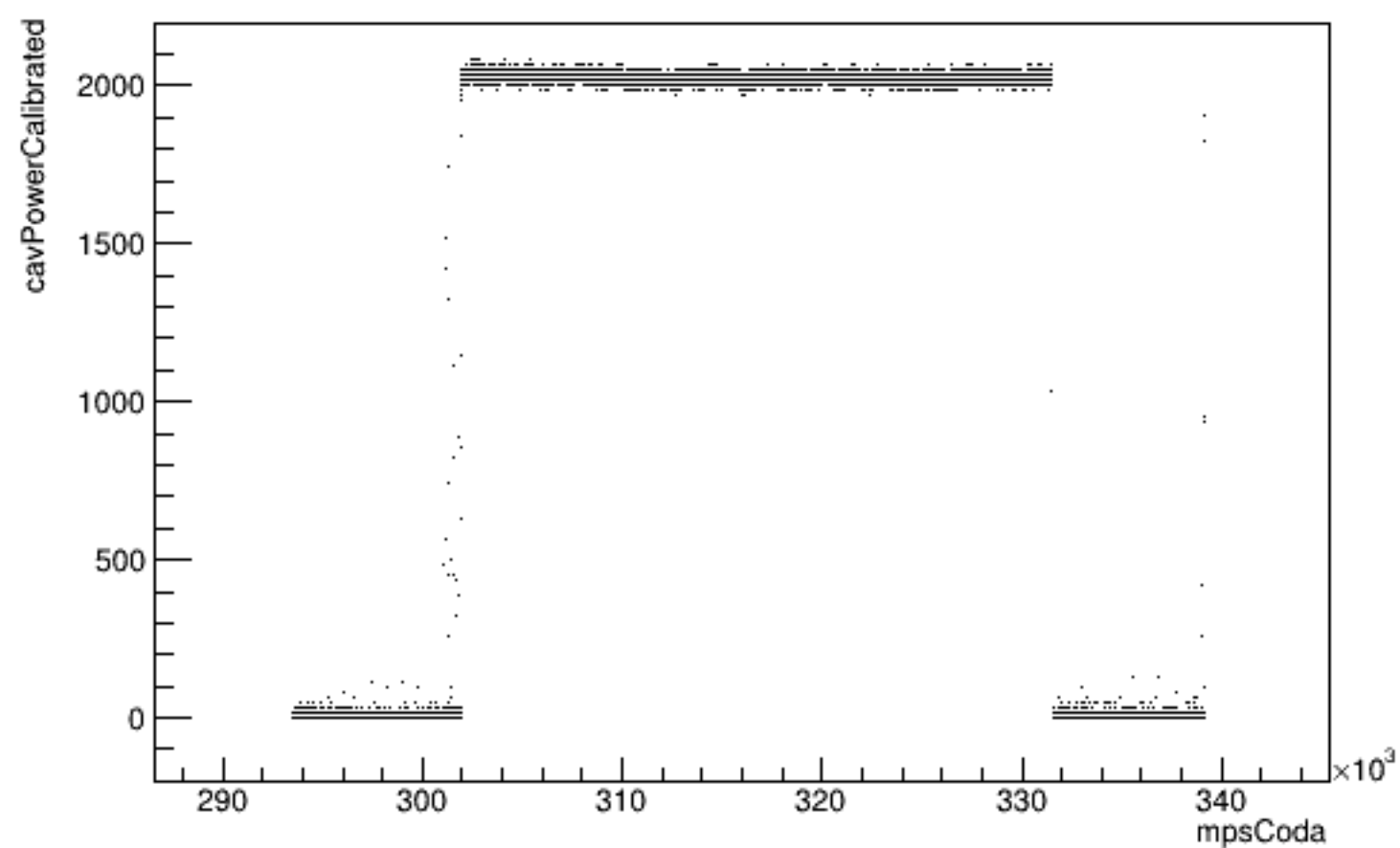
laserState:mpsCoda {mpsCoda>=293526 && mpsCoda<=339141}



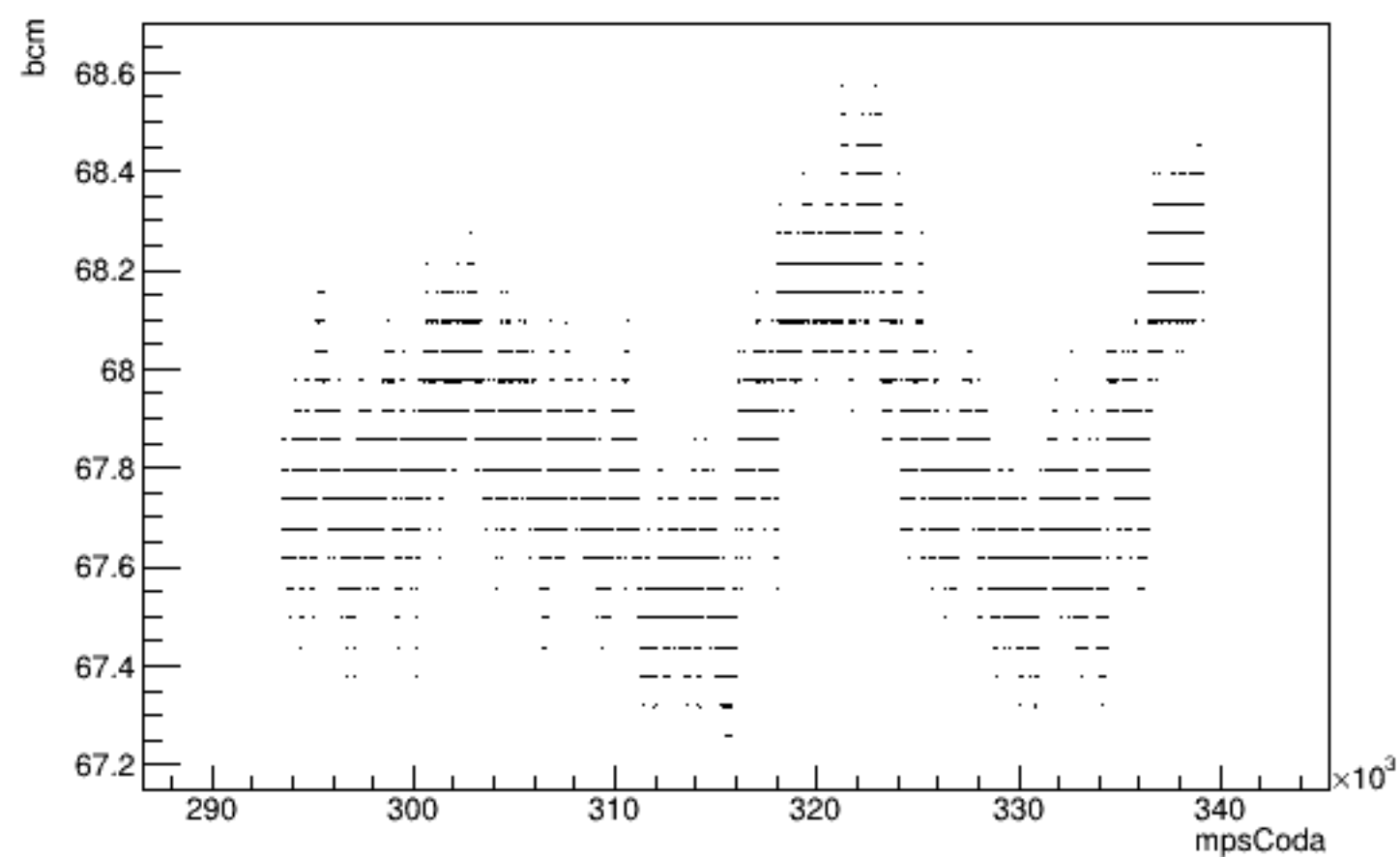
beamState + 1:mpsCoda {mpsCoda>=293526 && mpsCoda<=339141}



cavPowerCalibrated:mpsCoda {mpsCoda>=293526 && mpsCoda<=339141}

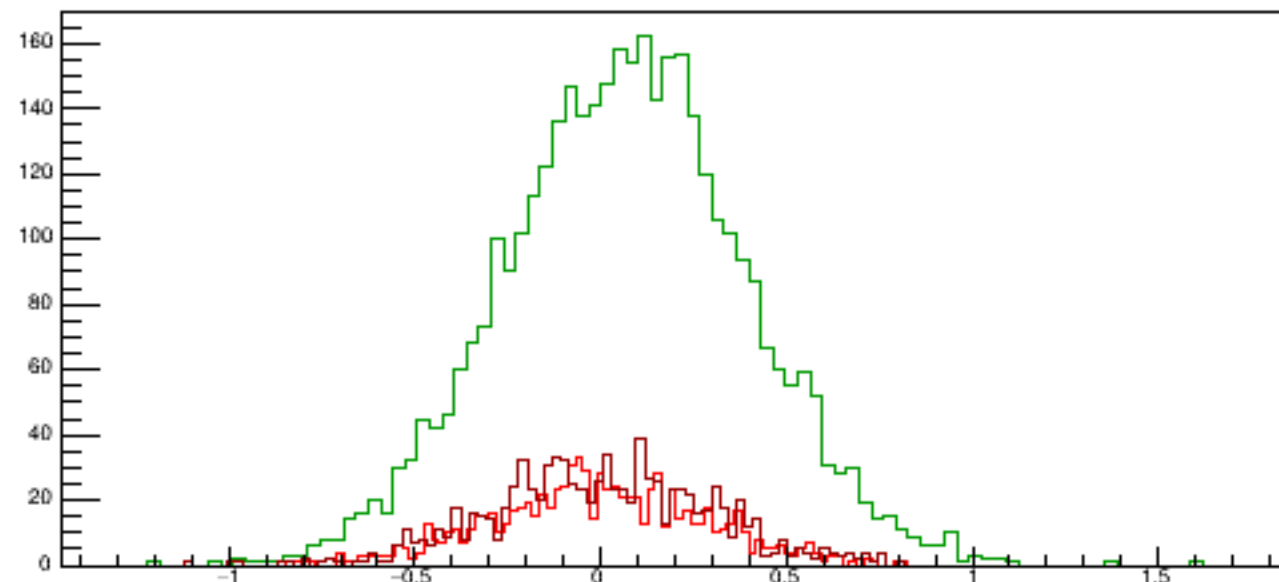


bcm:mpsCoda {mpsCoda>=293526 && mpsCoda<=339141}



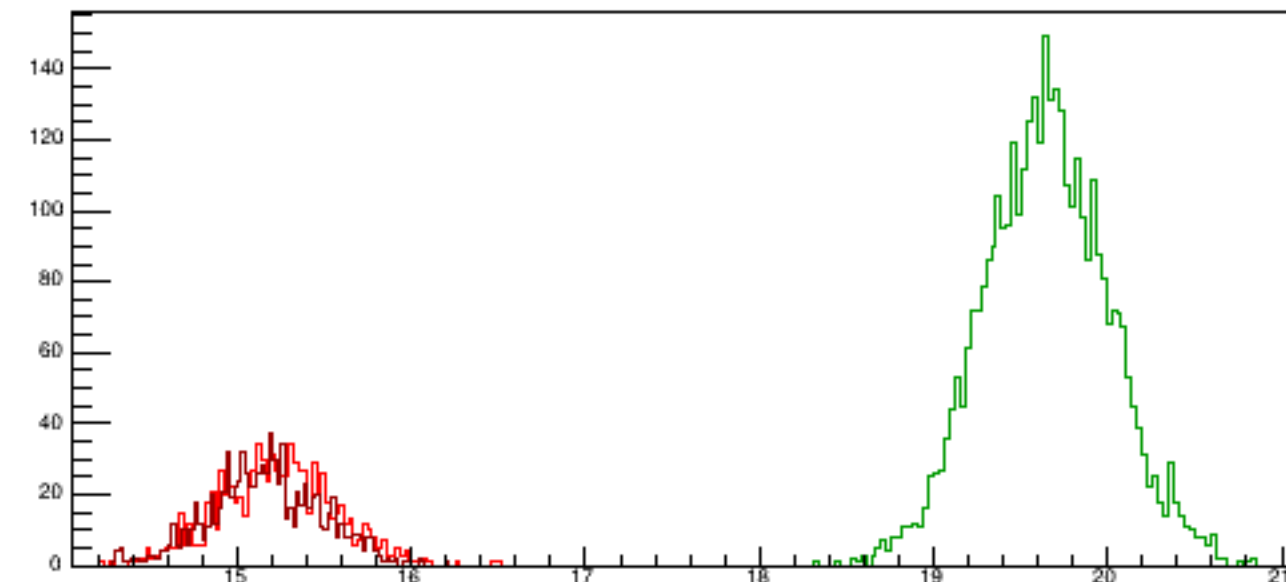
Cycle 9, Diffs

Entries: 878	Entries: 3794	Entries: 921
Mean: -0.0087 +/- 0.0096	Mean: 0.0666 +/- 0.0053	Mean: 0.0029 +/- 0.0098
Std Dev: 0.2850 +/- 0.0068	Std Dev: 0.3255 +/- 0.0037	Std Dev: 0.2969 +/- 0.0069
Run 4381 quartetwise, Diffs		



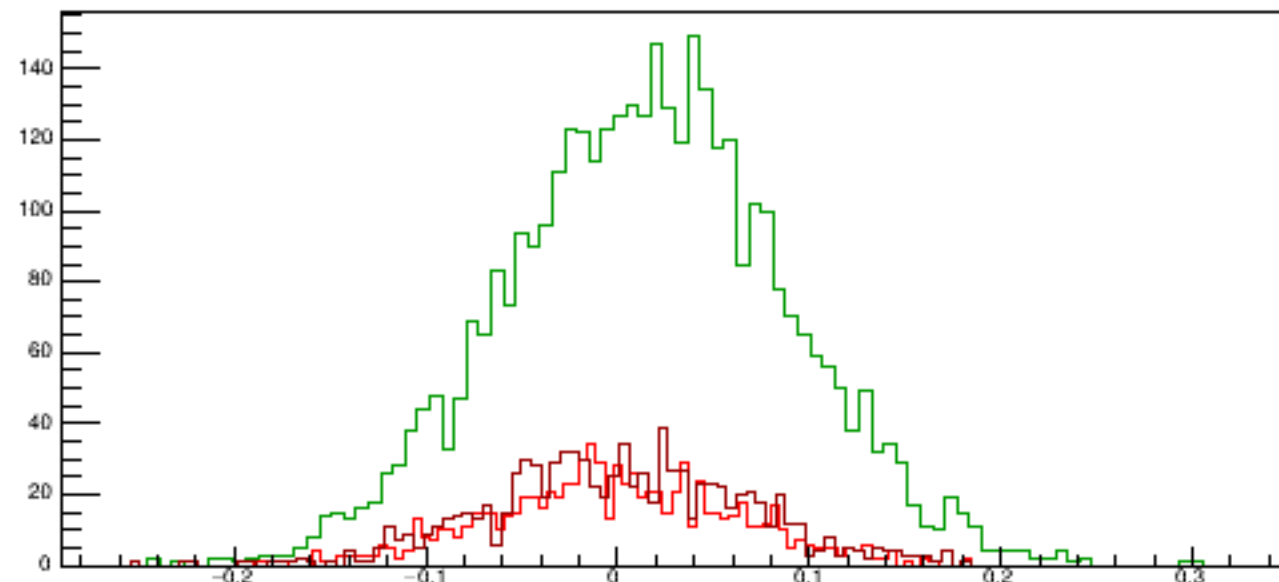
Cycle 9, Sums

Entries: 878	Entries: 3794	Entries: 921
Mean: 15.2297 +/- 0.0113	Mean: 19.6462 +/- 0.0059	Mean: 15.1621 +/- 0.0106
Std Dev: 0.3342 +/- 0.0080	Std Dev: 0.3606 +/- 0.0041	Std Dev: 0.3208 +/- 0.0075
Run 4381 quartetwise, Sums		

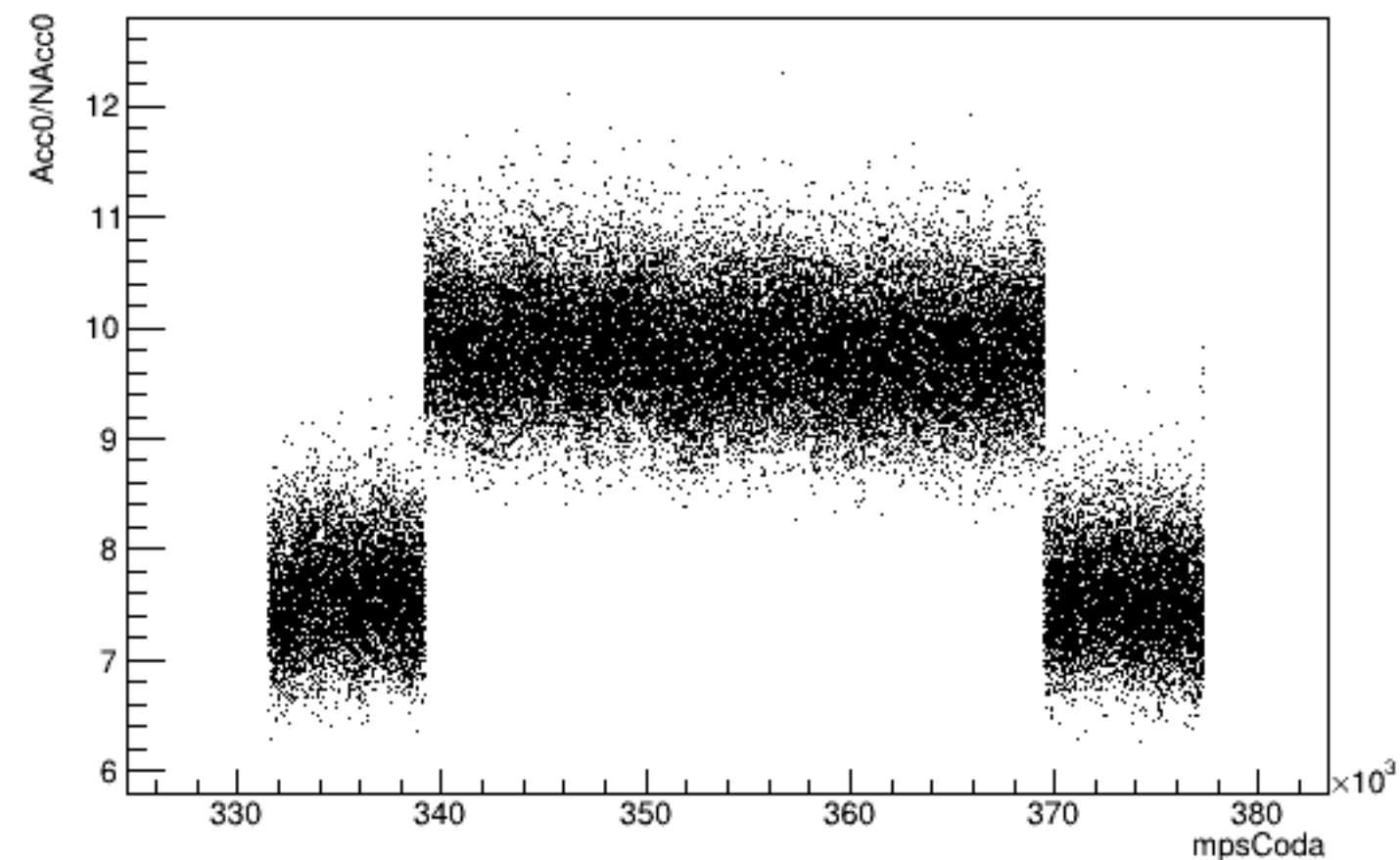


Cycle 9, Asyms

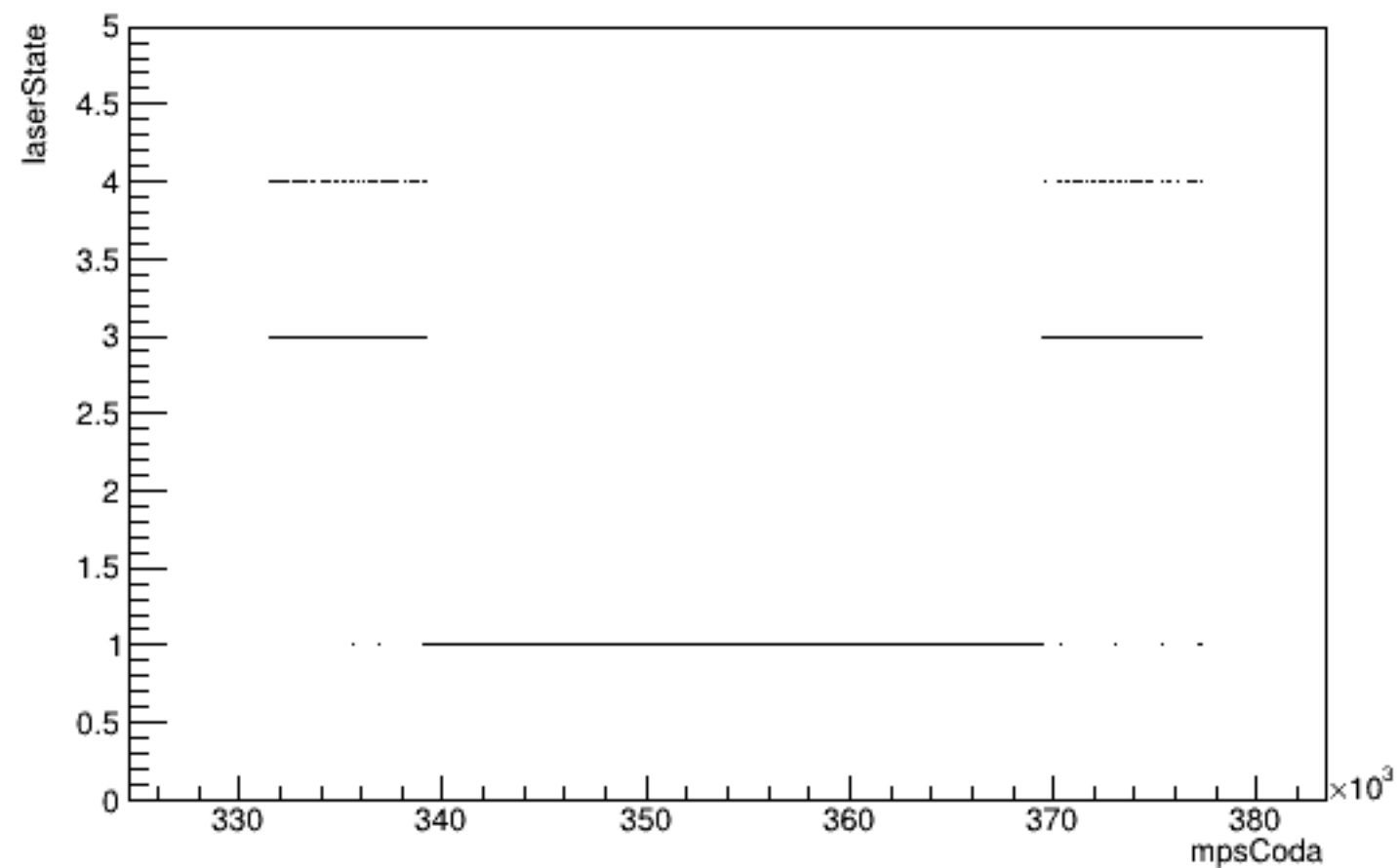
Entries: 878	Entries: 3794	Entries: 921
Mean: -0.0020 +/- 0.0022	Mean: 0.0151 +/- 0.0012	Mean: 0.0006 +/- 0.0022
Std Dev: 0.0640 +/- 0.0015	Std Dev: 0.0731 +/- 0.0008	Std Dev: 0.0667 +/- 0.0016
Run 4381 quartetwise, Asyms		



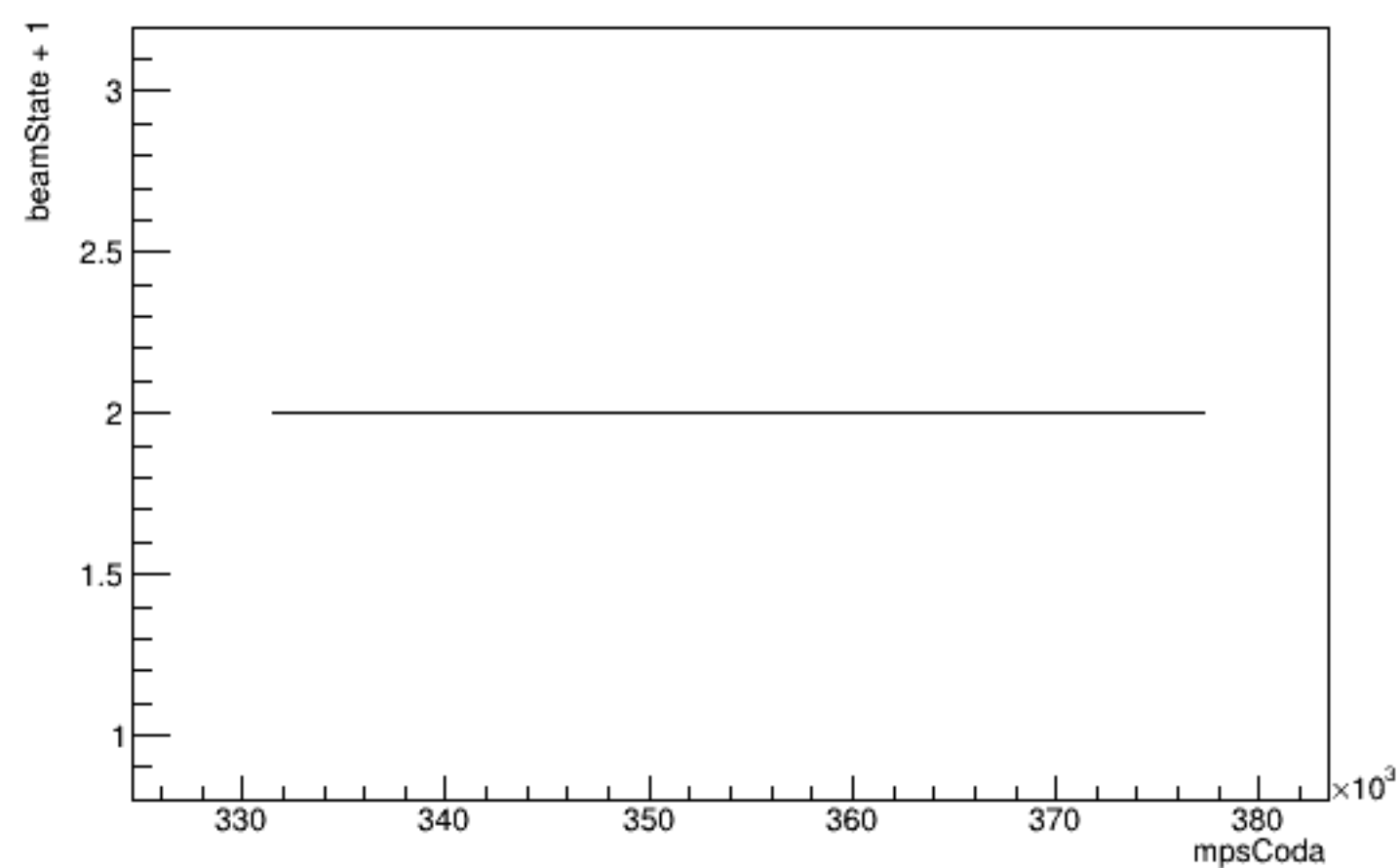
Acc0/NAcc0:mpsCoda {mpsCoda>=331534 && mpsCoda<=377309 && beamState==1}



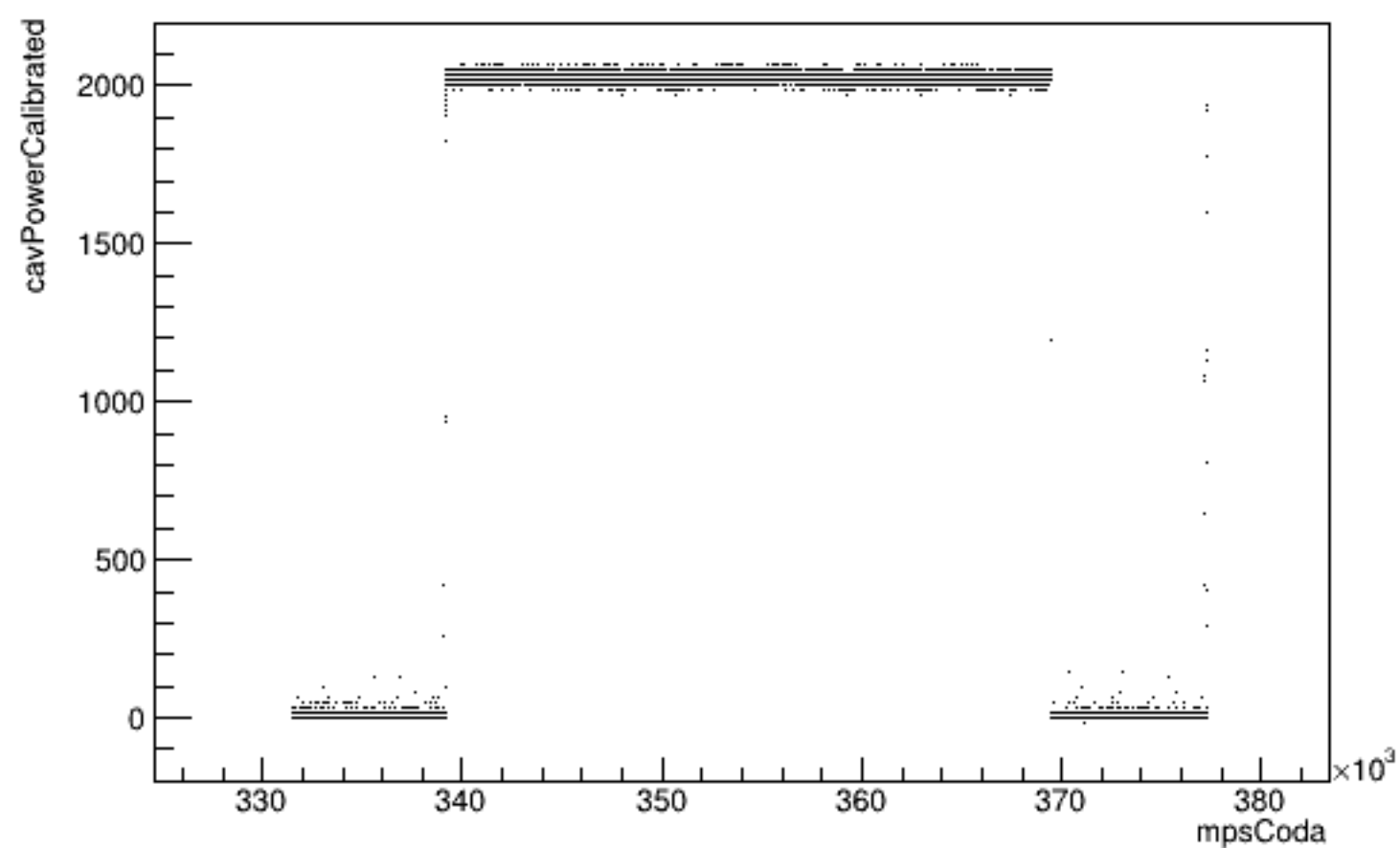
laserState:mpsCoda {mpsCoda>=331534 && mpsCoda<=377309}



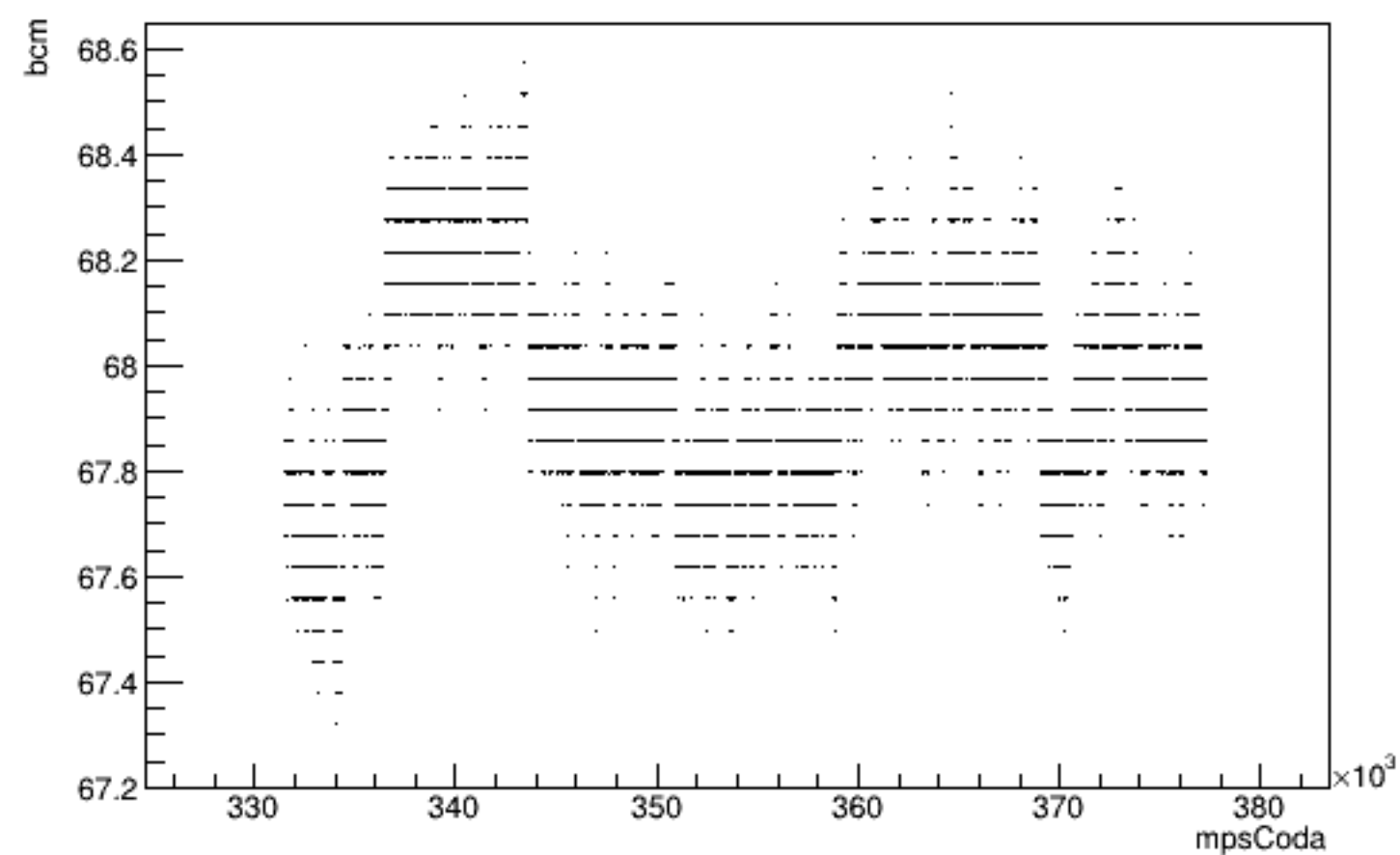
beamState + 1:mpsCoda {mpsCoda>=331534 && mpsCoda<=377309}



cavPowerCalibrated:mpsCoda {mpsCoda>=331534 && mpsCoda<=377309}



bcm:mpsCoda {mpsCoda>=331534 && mpsCoda<=377309}



Cycle 10, Diffs

Entries: 921

Mean: 0.0029 +/- 0.0098

Std Dev: 0.2969 +/- 0.0069

Entries: 3768

Mean: 0.0647 +/- 0.0053

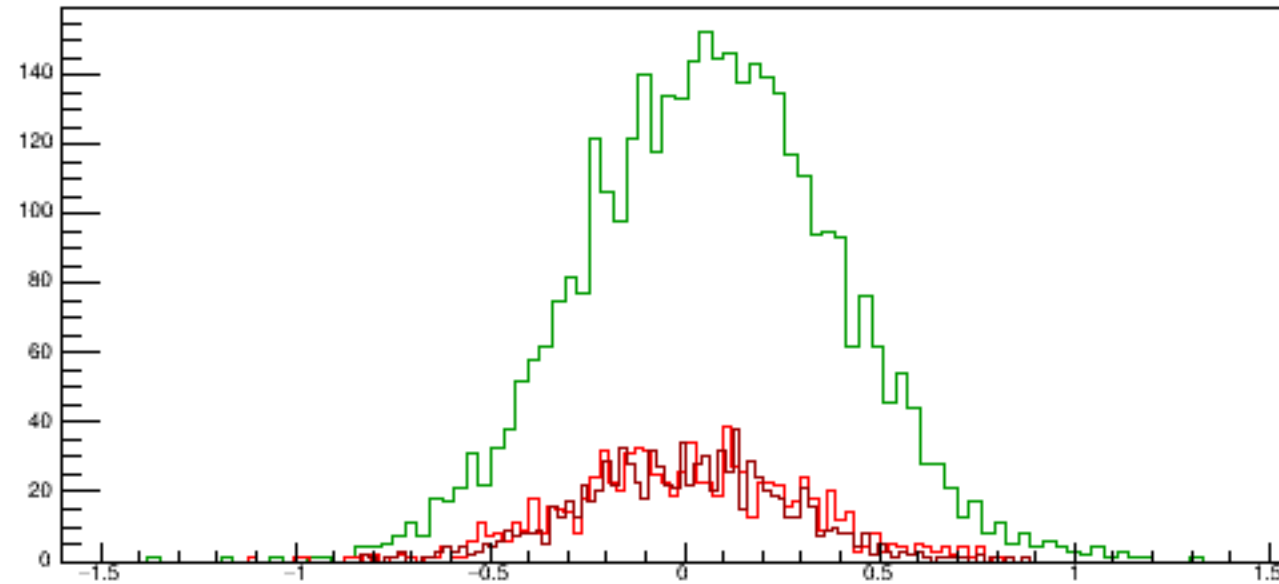
Std Dev: 0.3251 +/- 0.0037

Entries: 964

Mean: -0.0083 +/- 0.0086

Std Dev: 0.2666 +/- 0.0061

Run 4381 quartetwise, Diffs



Cycle 10, Sums

Entries: 921

Mean: 15.1621 +/- 0.0106

Std Dev: 0.3208 +/- 0.0075

Entries: 3768

Mean: 19.6869 +/- 0.0060

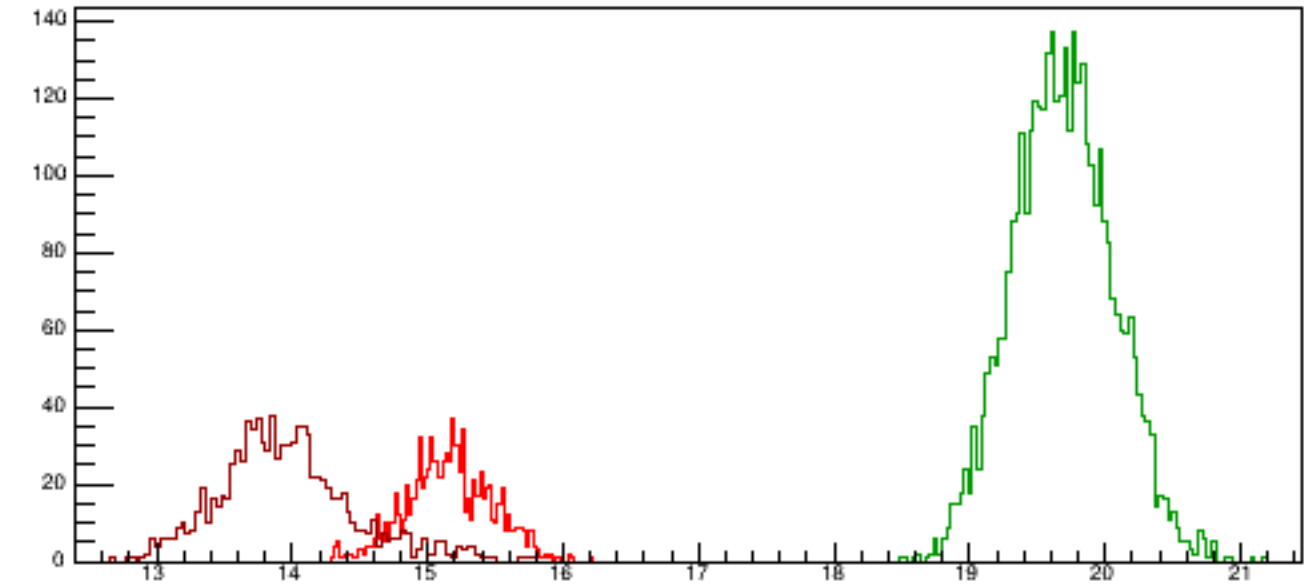
Std Dev: 0.3689 +/- 0.0042

Entries: 964

Mean: 13.9594 +/- 0.0161

Std Dev: 0.4996 +/- 0.0114

Run 4381 quartetwise, Sums



Cycle 10, Asyms

Entries: 921

Mean: 0.0006 +/- 0.0019

Std Dev: 0.0579 +/- 0.0013

Entries: 3768

Mean: 0.0127 +/- 0.0010

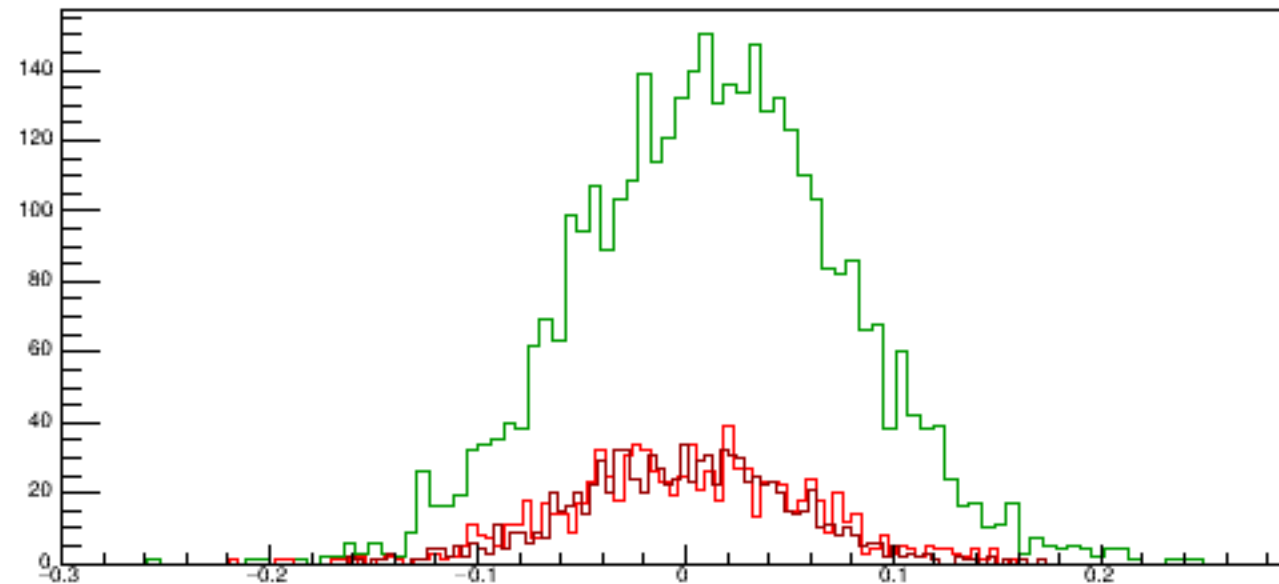
Std Dev: 0.0636 +/- 0.0007

Entries: 964

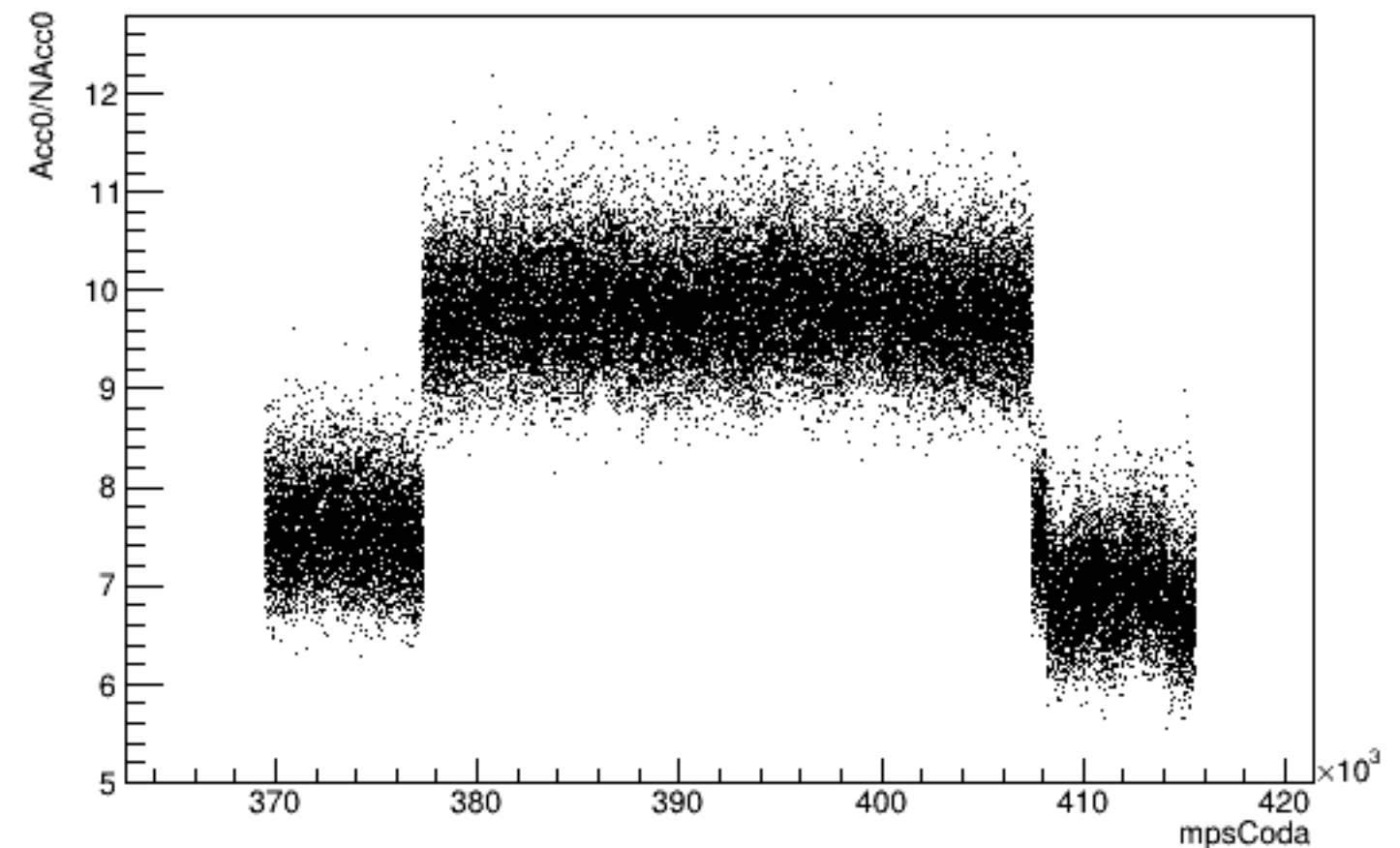
Mean: -0.0016 +/- 0.0017

Std Dev: 0.0520 +/- 0.0012

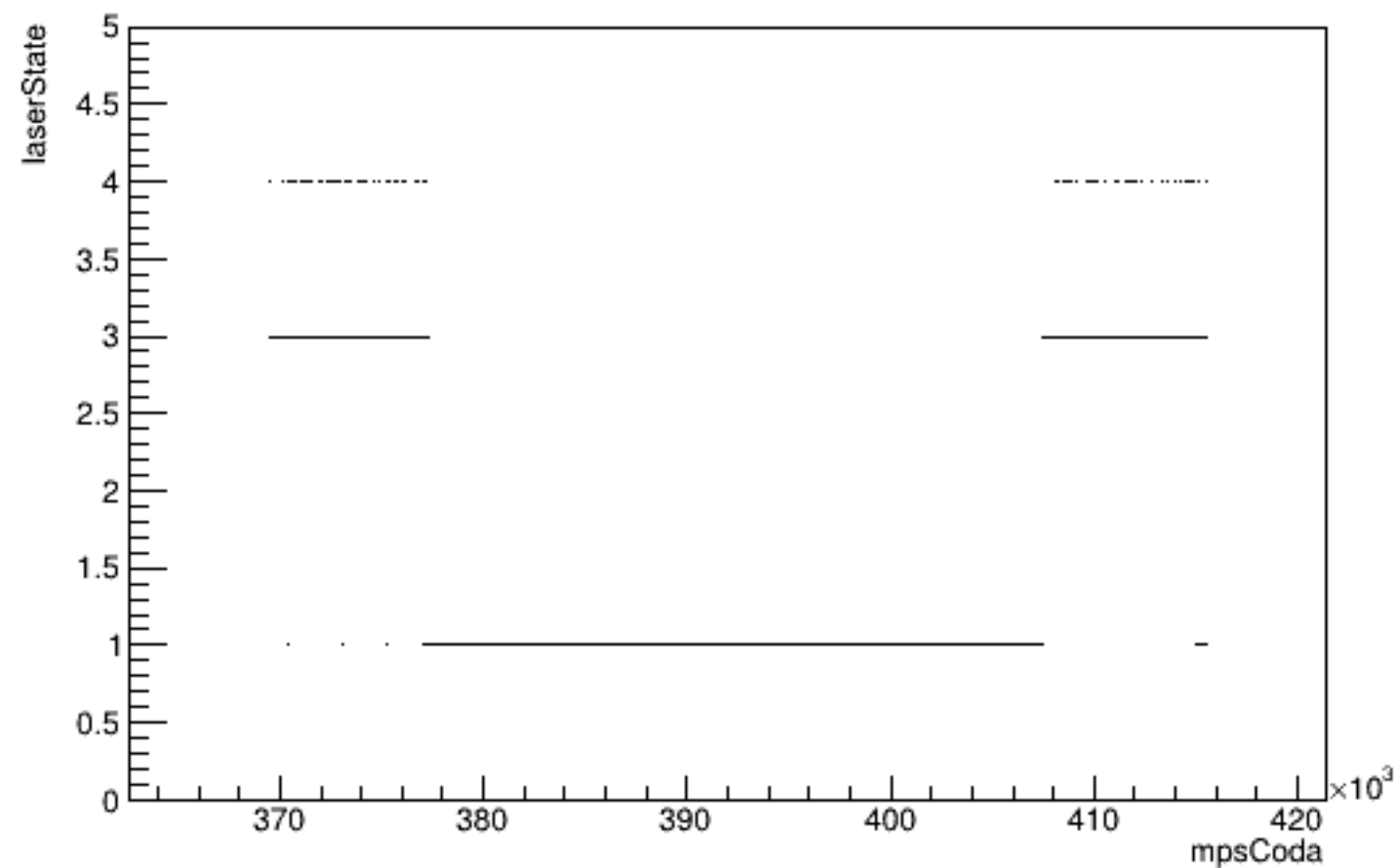
Run 4381 quartetwise, Asyms



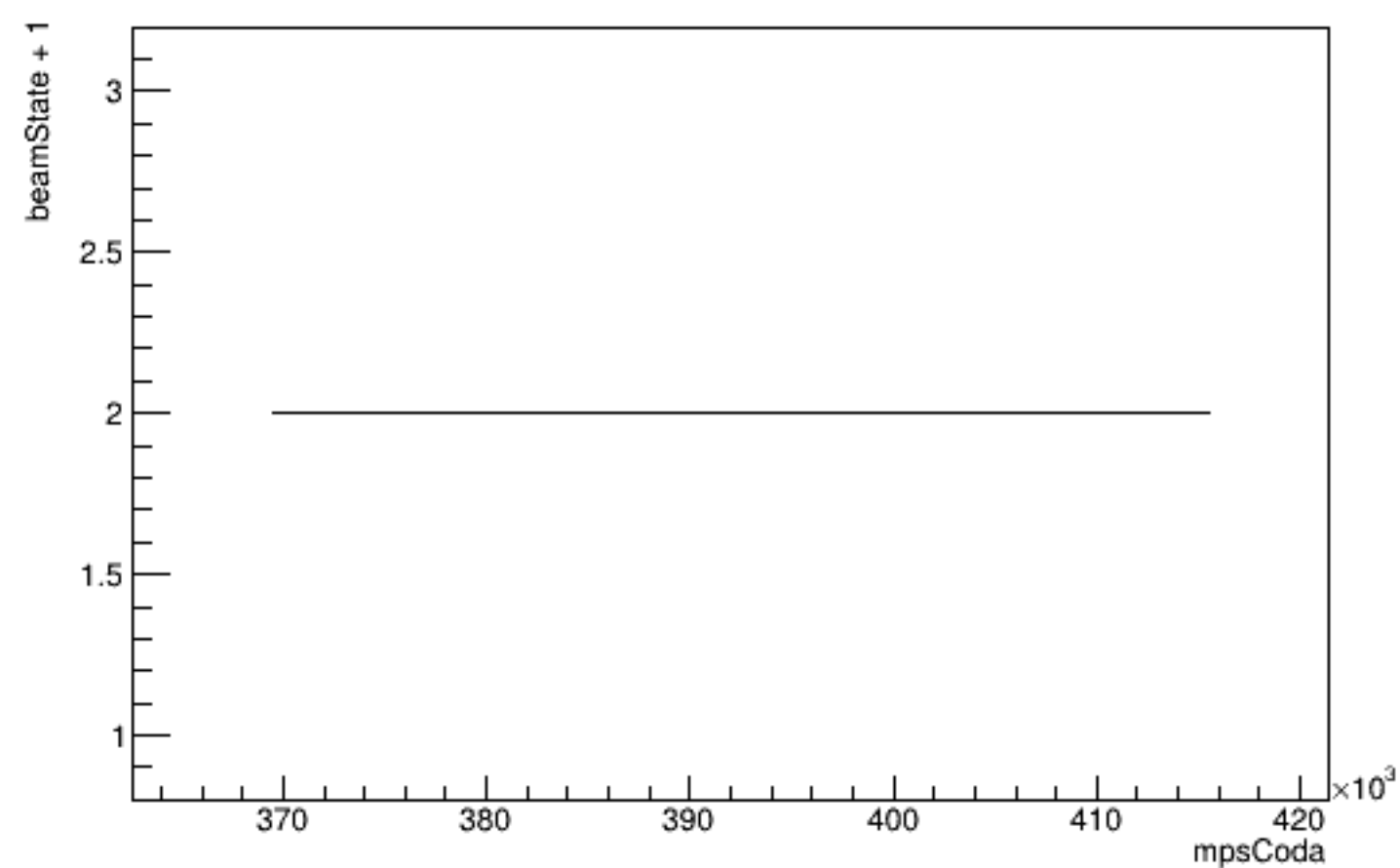
Acc0/NAcc0:mpsCoda {mpsCoda>=369502 && mpsCoda<=415549 && beamState==1}



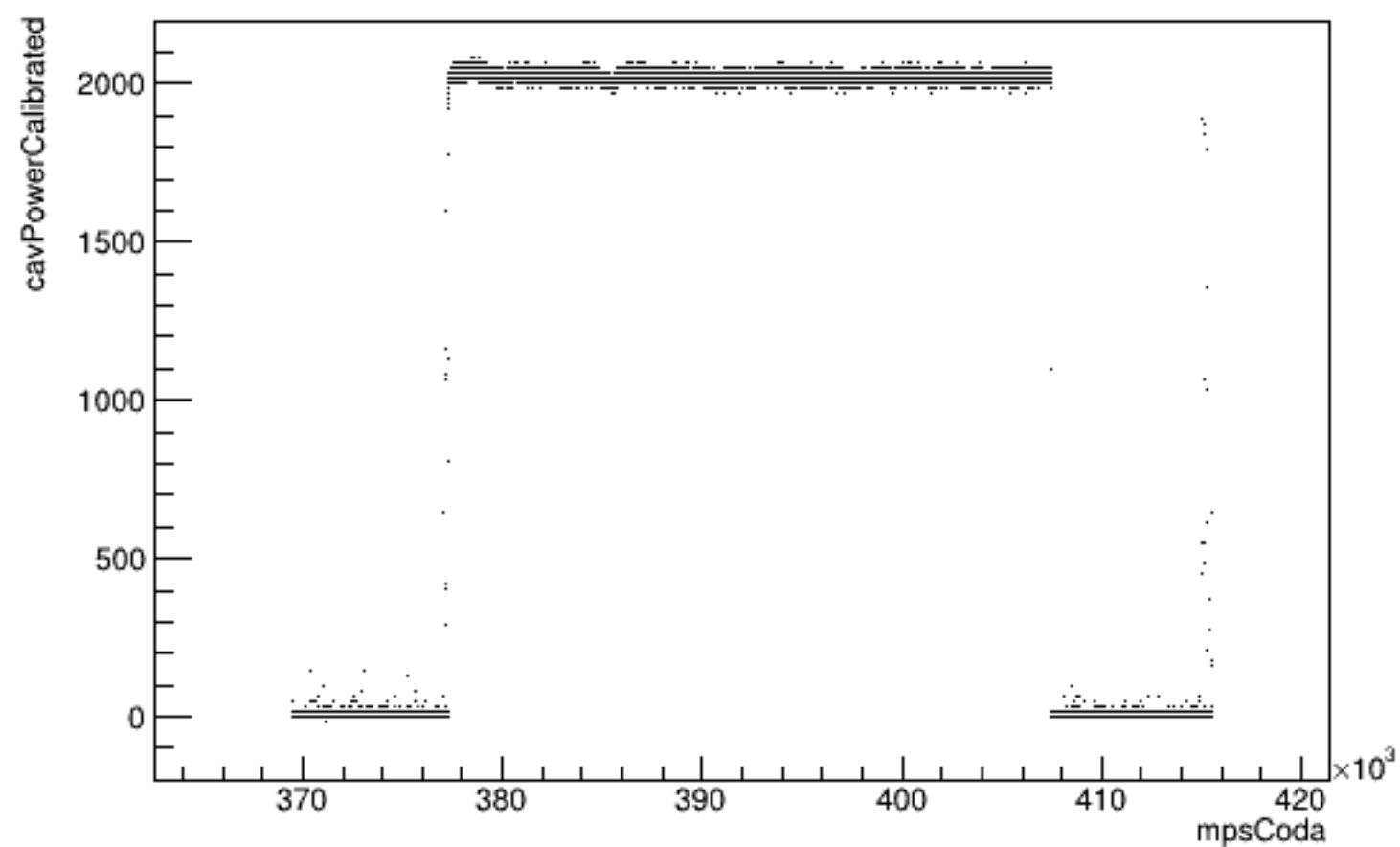
laserState:mpsCoda {mpsCoda>=369502 && mpsCoda<=415549}



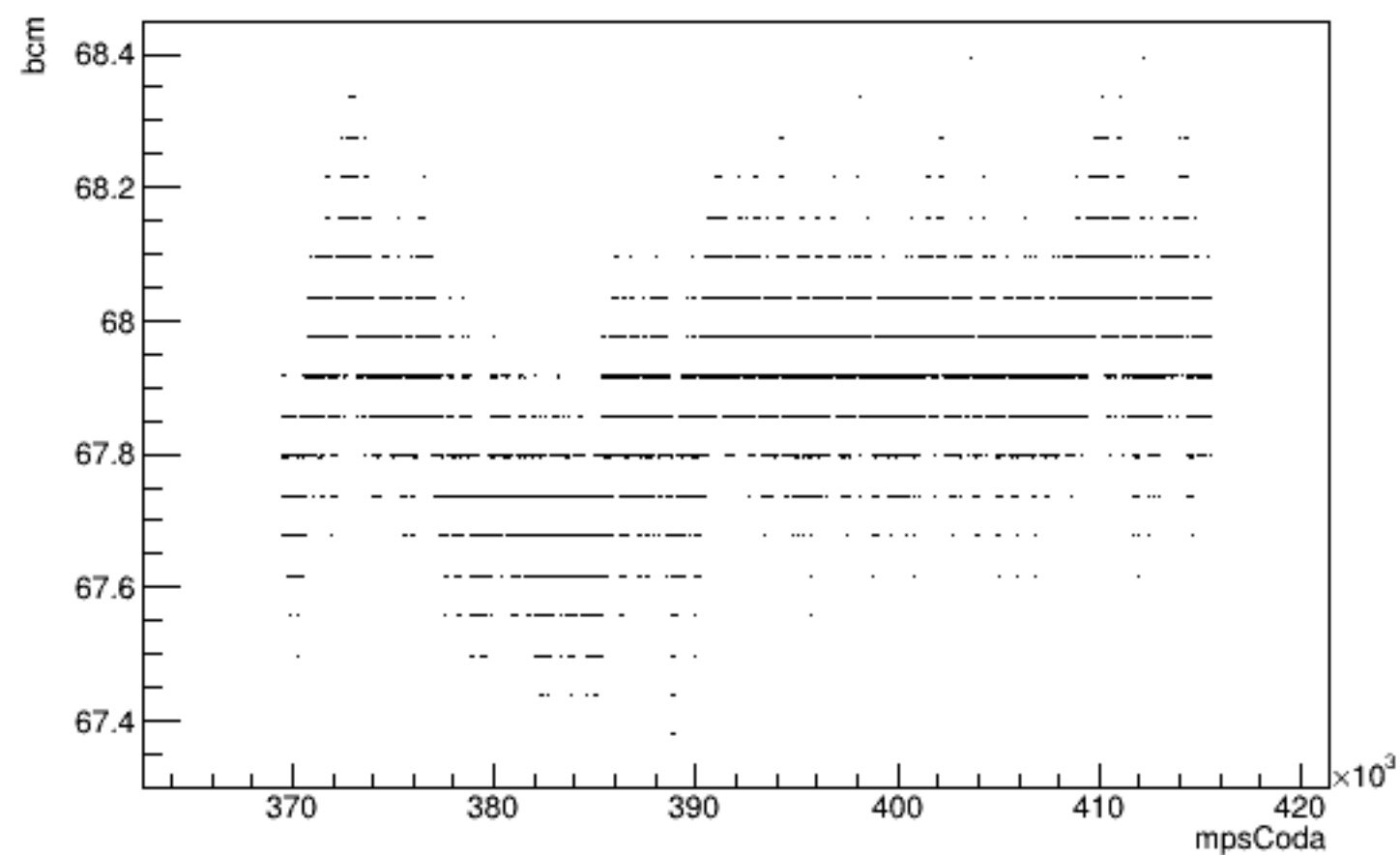
beamState + 1:mpsCoda {mpsCoda>=369502 && mpsCoda<=415549}



cavPowerCalibrated:mpsCoda {mpsCoda>=369502 && mpsCoda<=415549}



bcm:mpsCoda {mpsCoda>=369502 && mpsCoda<=415549}



Cycle 12, Diffs

Entries: 1921

Mean: -0.0082 +/- 0.0063

Std Dev: 0.2773 +/- 0.0045

Entries: 3730

Mean: 0.0731 +/- 0.0053

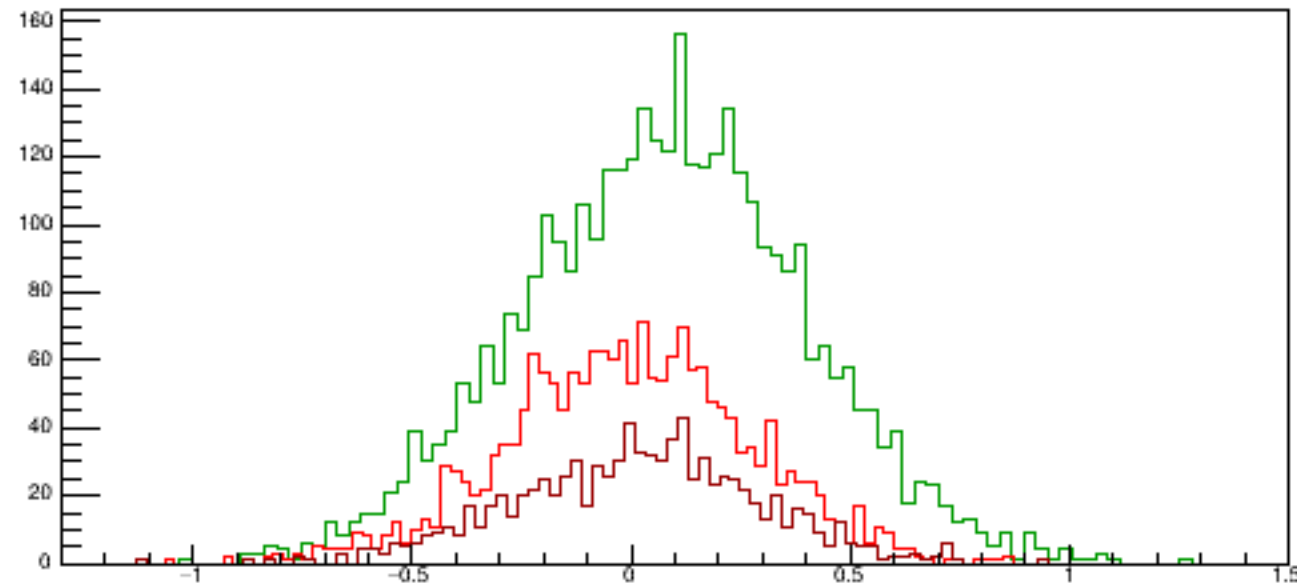
Std Dev: 0.3215 +/- 0.0037

Entries: 919

Mean: 0.0136 +/- 0.0092

Std Dev: 0.2786 +/- 0.0065

Run 4381 quartetwise, Diffs



Cycle 12, Sums

Entries: 1921

Mean: 14.8621 +/- 0.0073

Std Dev: 0.3221 +/- 0.0052

Entries: 3730

Mean: 19.5040 +/- 0.0060

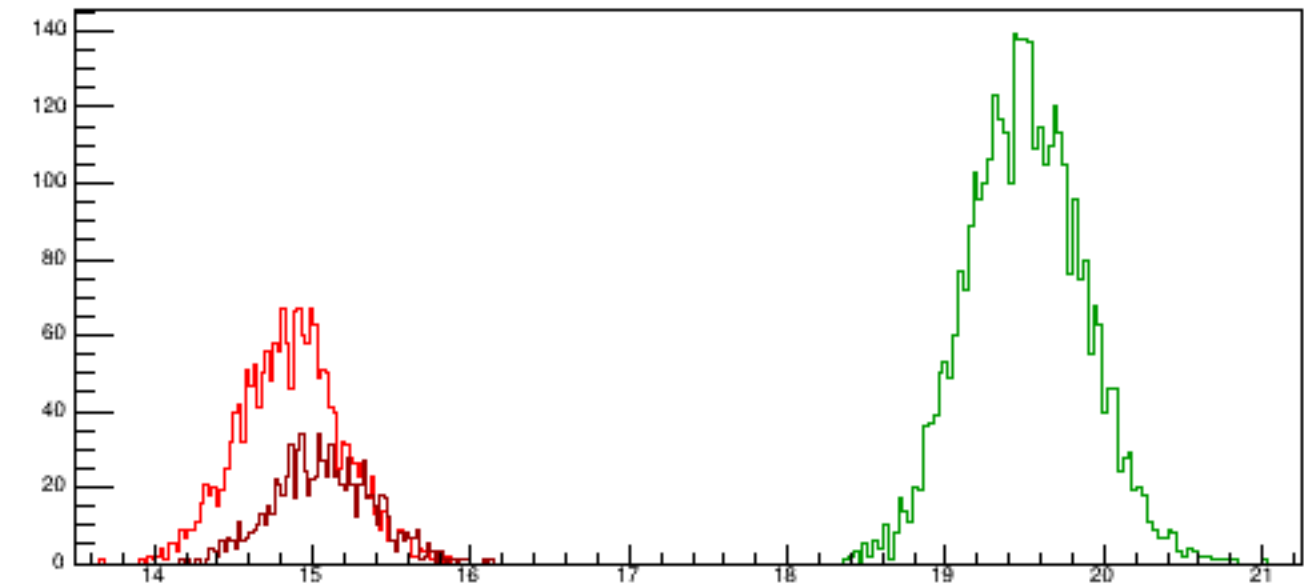
Std Dev: 0.3684 +/- 0.0043

Entries: 919

Mean: 15.0668 +/- 0.0104

Std Dev: 0.3154 +/- 0.0074

Run 4381 quartetwise, Sums



Cycle 12, Asyms

Entries: 1921

Mean: -0.0018 +/- 0.0014

Std Dev: 0.0611 +/- 0.0010

Entries: 3730

Mean: 0.0163 +/- 0.0012

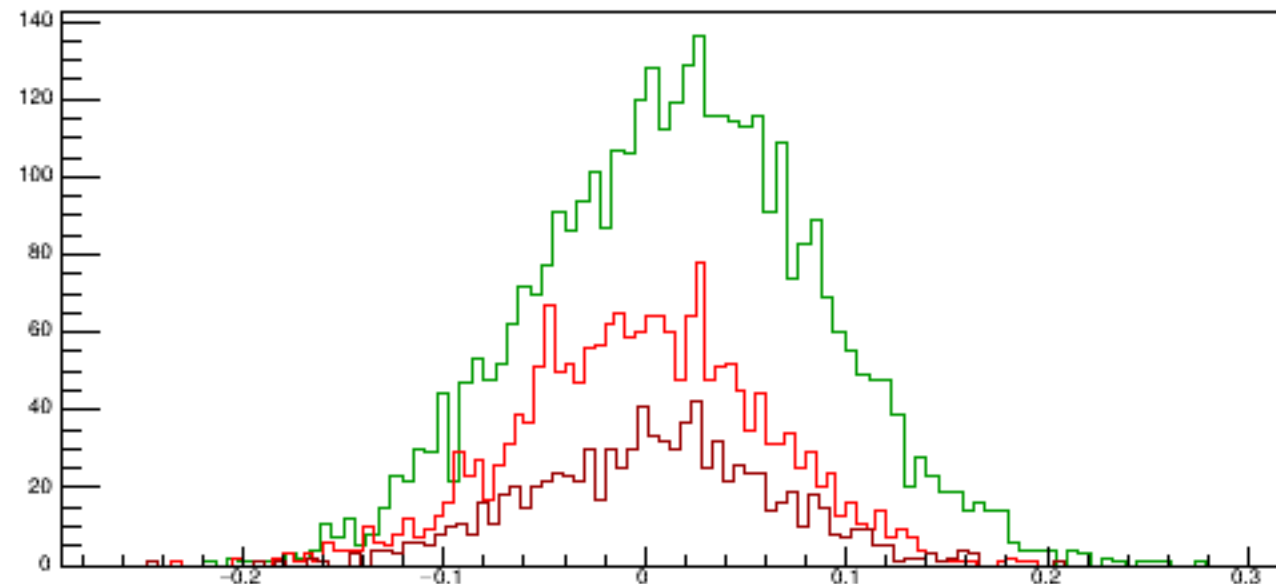
Std Dev: 0.0709 +/- 0.0008

Entries: 919

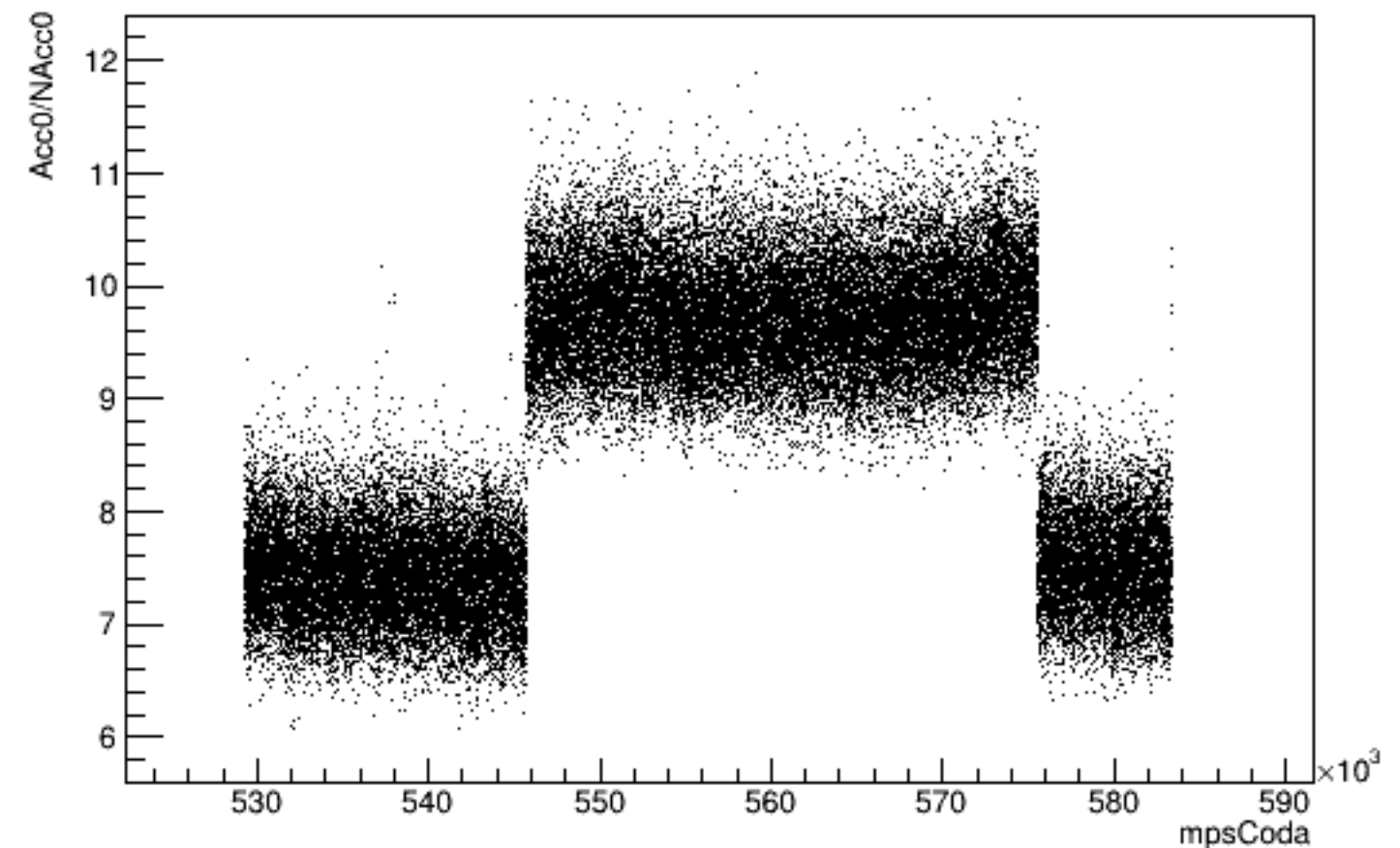
Mean: 0.0030 +/- 0.0020

Std Dev: 0.0614 +/- 0.0014

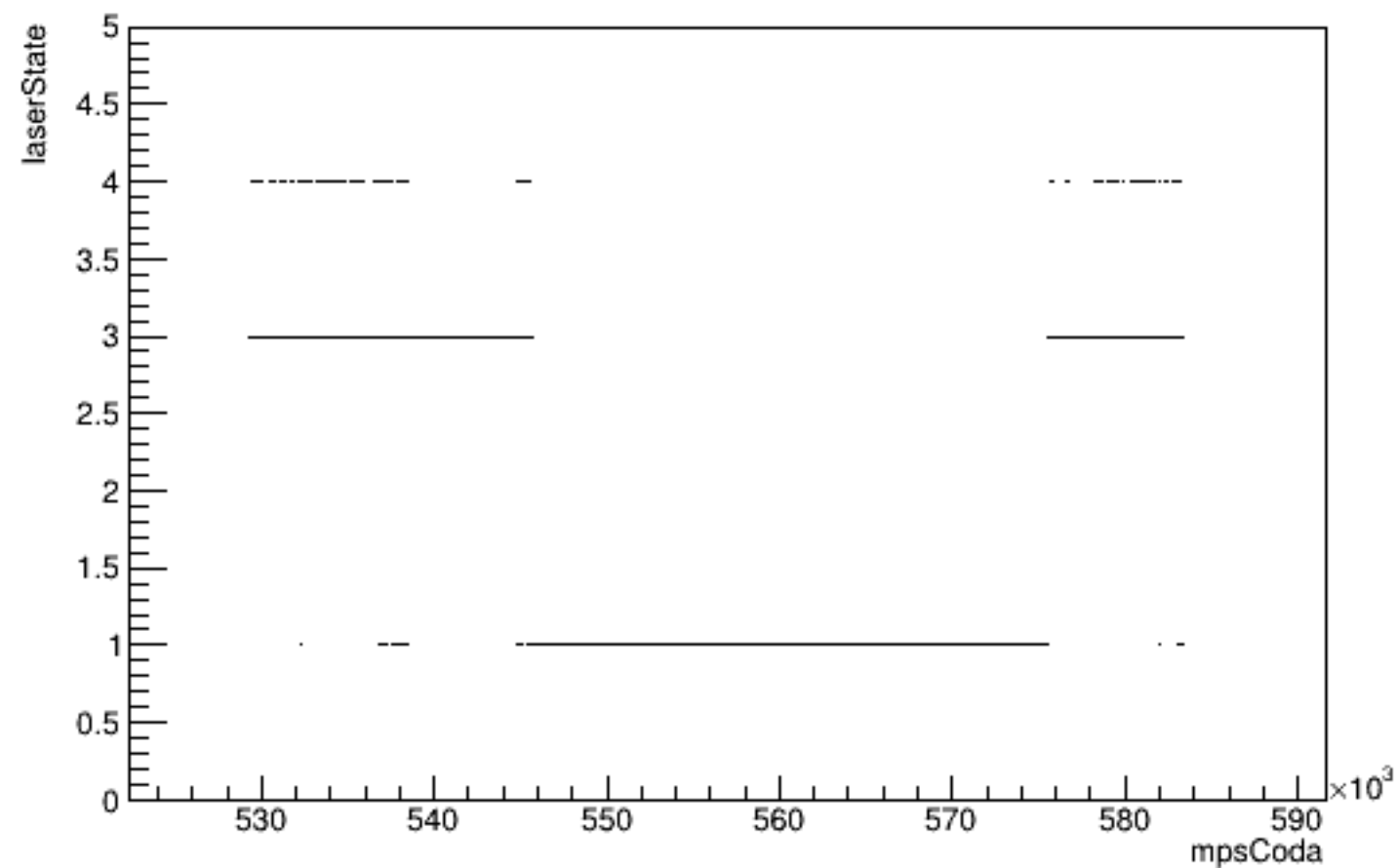
Run 4381 quartetwise, Asyms



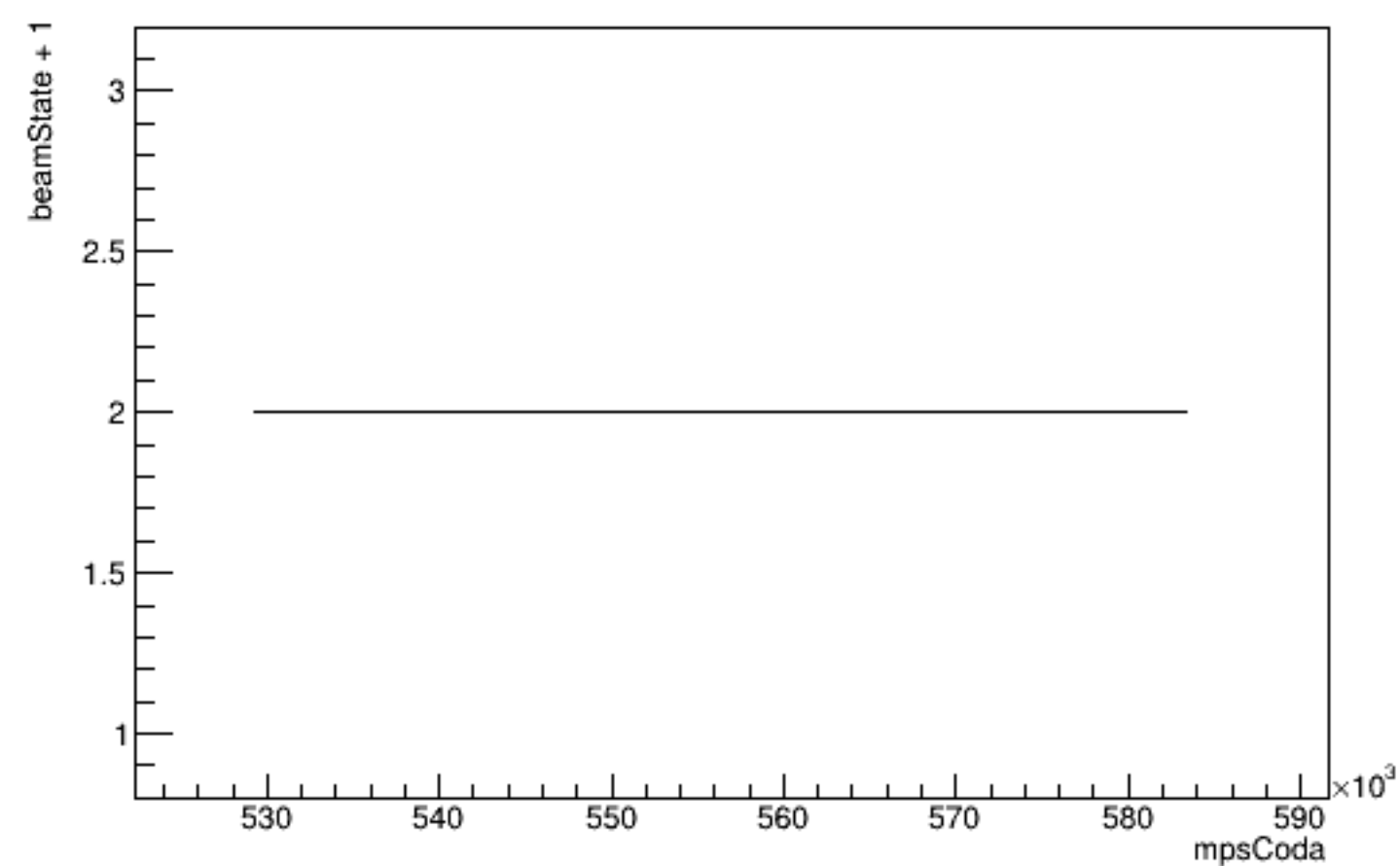
Acc0/NAcc0:mpsCoda {mpsCoda>=529302 && mpsCoda<=583333 && beamState==1}



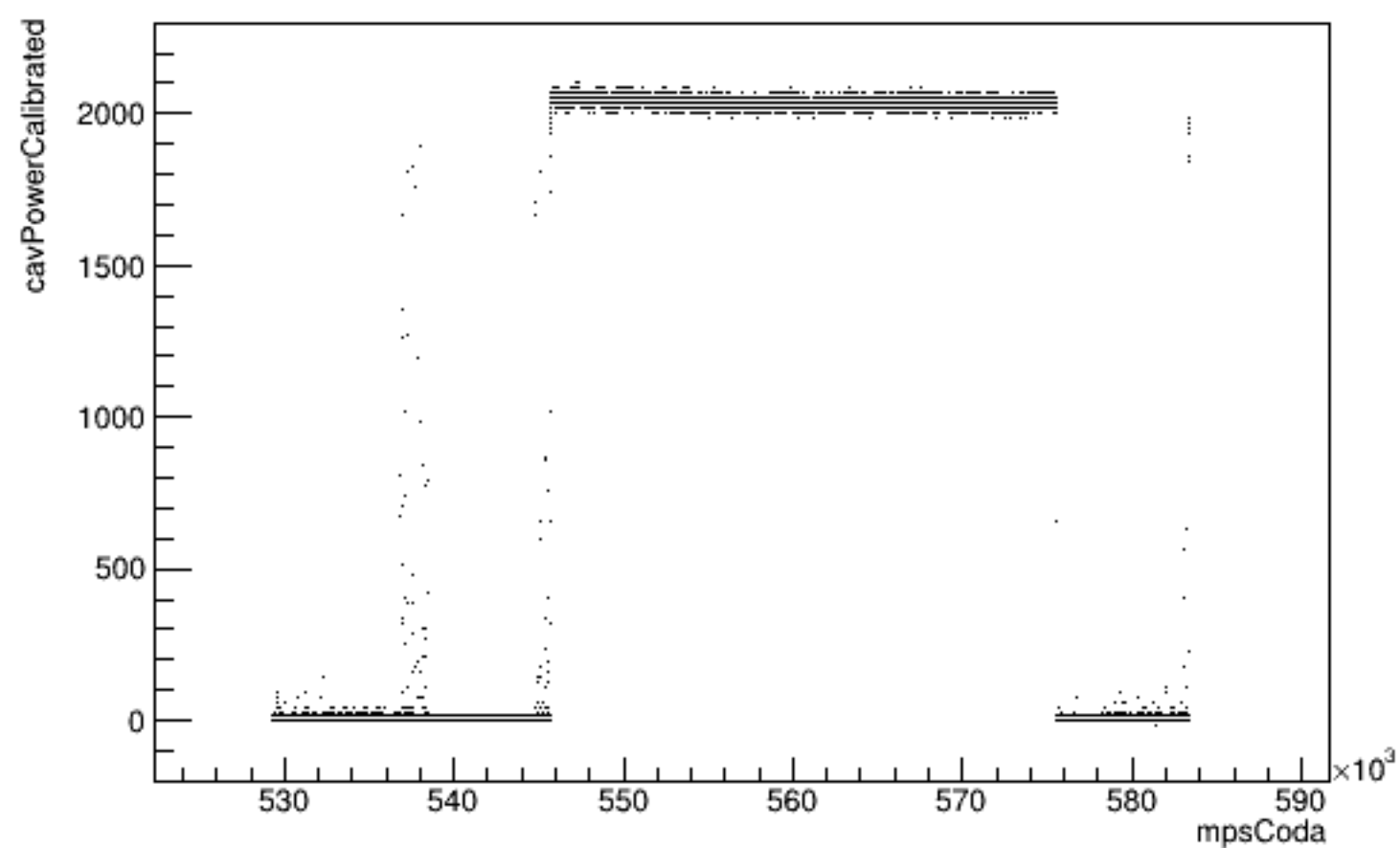
laserState:mpsCoda {mpsCoda>=529302 && mpsCoda<=583333}



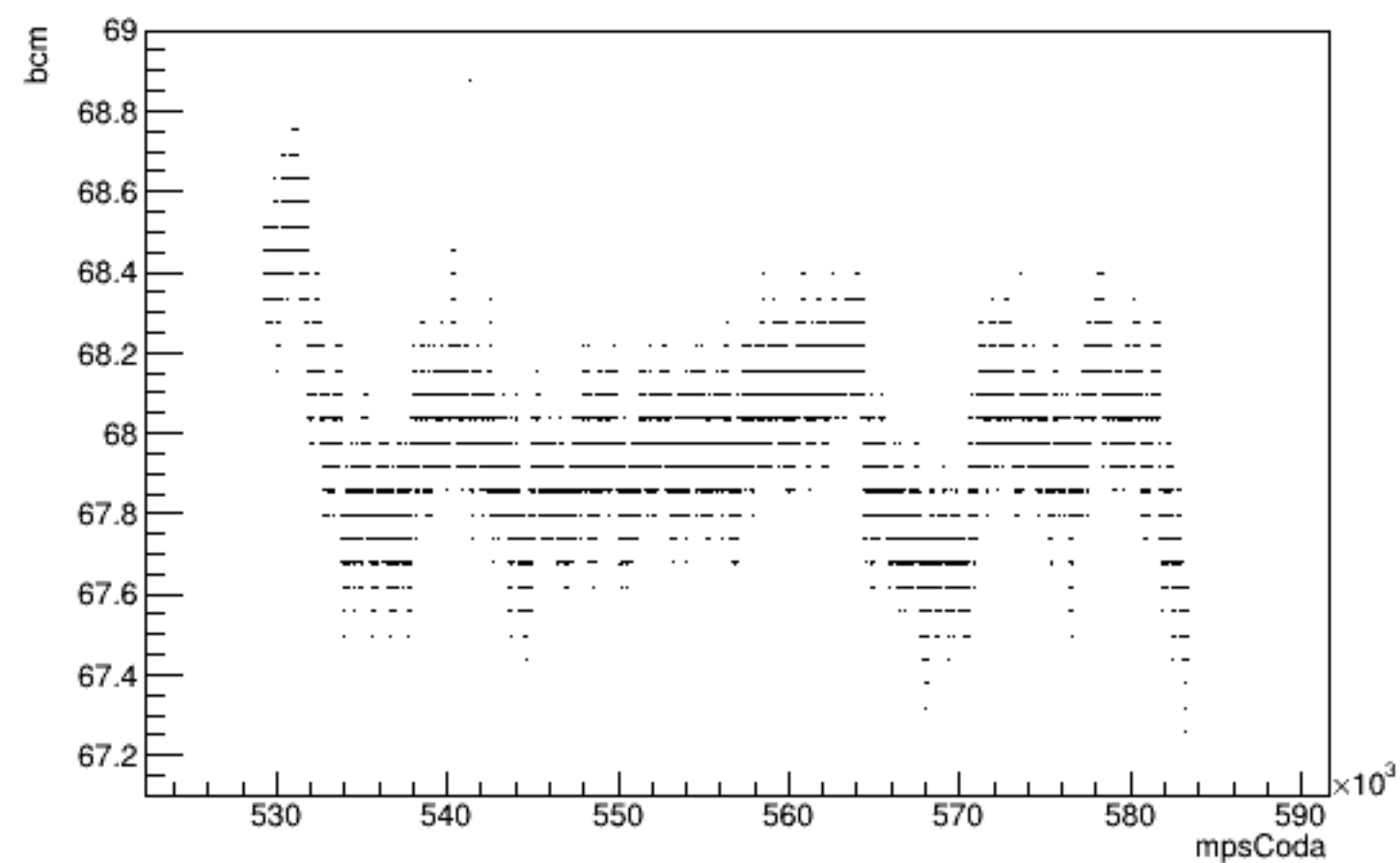
beamState + 1:mpsCoda {mpsCoda>=529302 && mpsCoda<=583333}



cavPowerCalibrated:mpsCoda {mpsCoda>=529302 && mpsCoda<=583333}



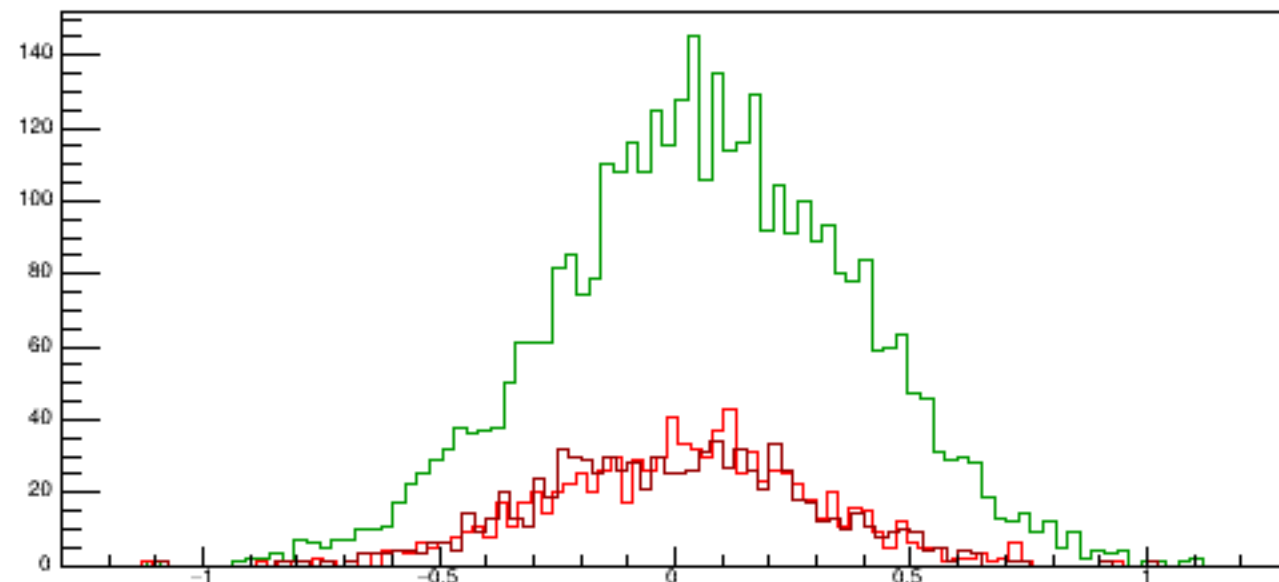
bcm:mpsCoda {mpsCoda>=529302 && mpsCoda<=583333}



Cycle 13, Diffs

Entries: 919	Entries: 3770	Entries: 874
Mean: 0.0136 +/- 0.0092	Mean: 0.0618 +/- 0.0052	Mean: -0.0064 +/- 0.0095
Std Dev: 0.2786 +/- 0.0065	Std Dev: 0.3185 +/- 0.0037	Std Dev: 0.2814 +/- 0.0067

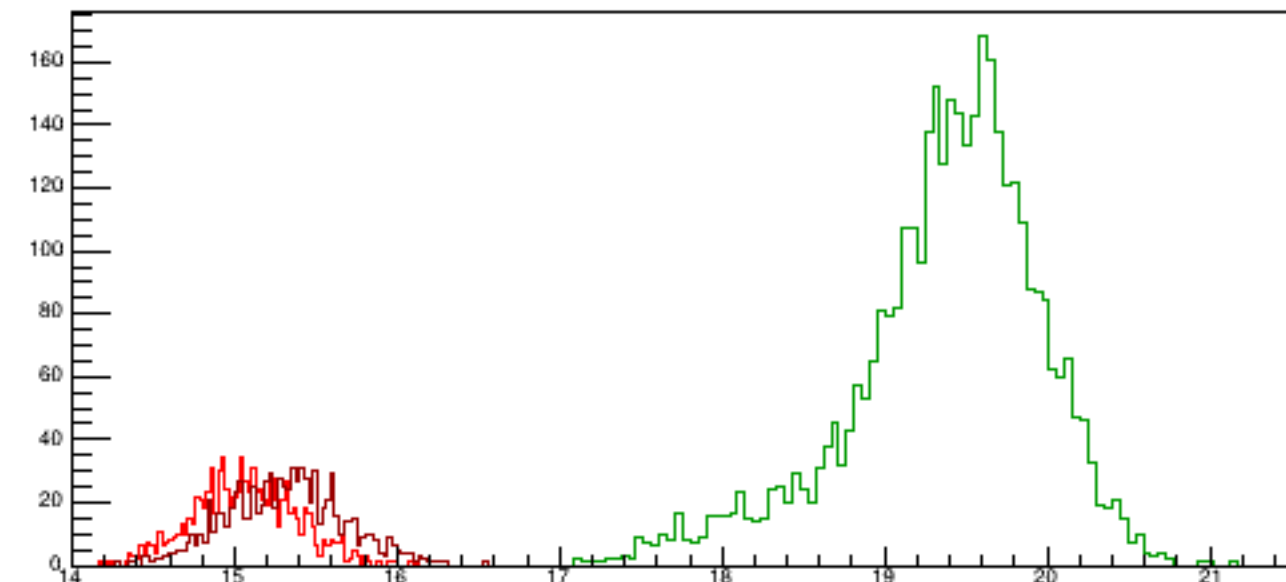
Run 4381 quartetwise, Diffs



Cycle 13, Sums

Entries: 919	Entries: 3770	Entries: 874
Mean: 15.0668 +/- 0.0104	Mean: 19.3731 +/- 0.0096	Mean: 15.3110 +/- 0.0122
Std Dev: 0.3154 +/- 0.0074	Std Dev: 0.5912 +/- 0.0068	Std Dev: 0.3594 +/- 0.0086

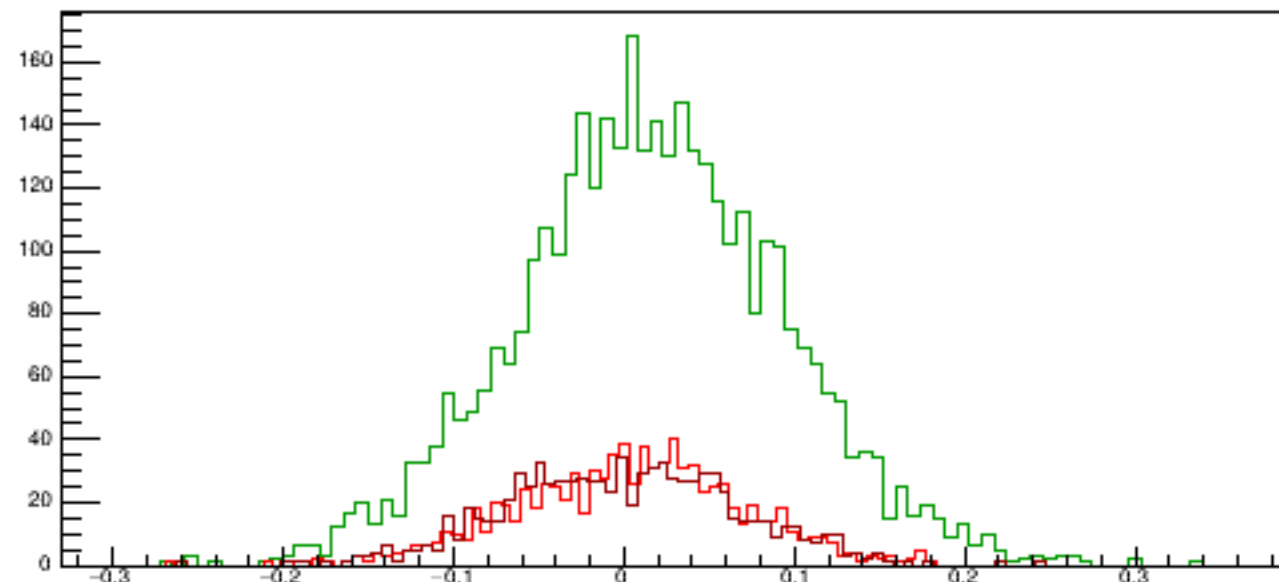
Run 4381 quartetwise, Sums



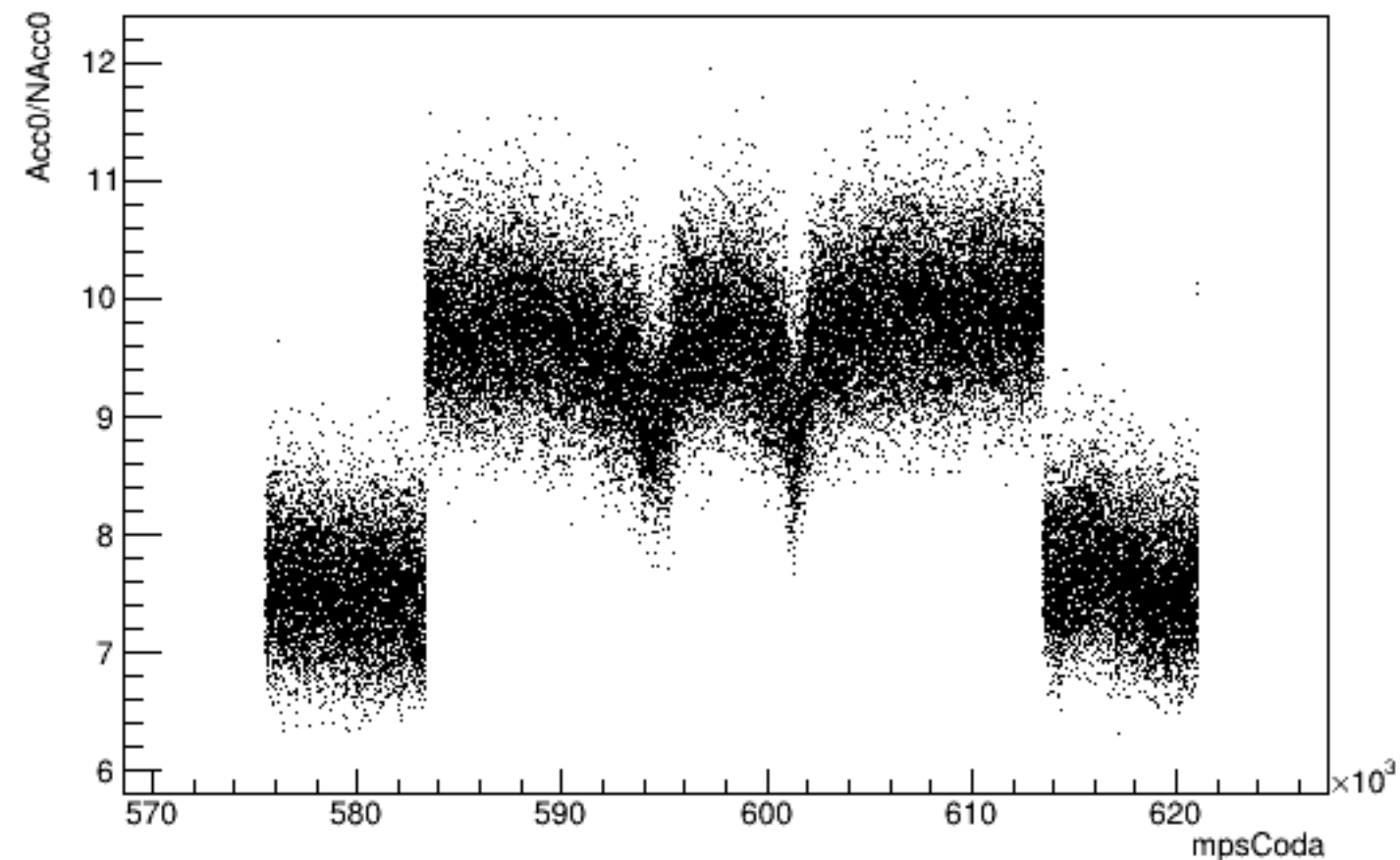
Cycle 13, Asyms

Entries: 919	Entries: 3770	Entries: 874
Mean: 0.0033 +/- 0.0022	Mean: 0.0155 +/- 0.0013	Mean: -0.0015 +/- 0.0023
Std Dev: 0.0666 +/- 0.0016	Std Dev: 0.0786 +/- 0.0009	Std Dev: 0.0673 +/- 0.0016

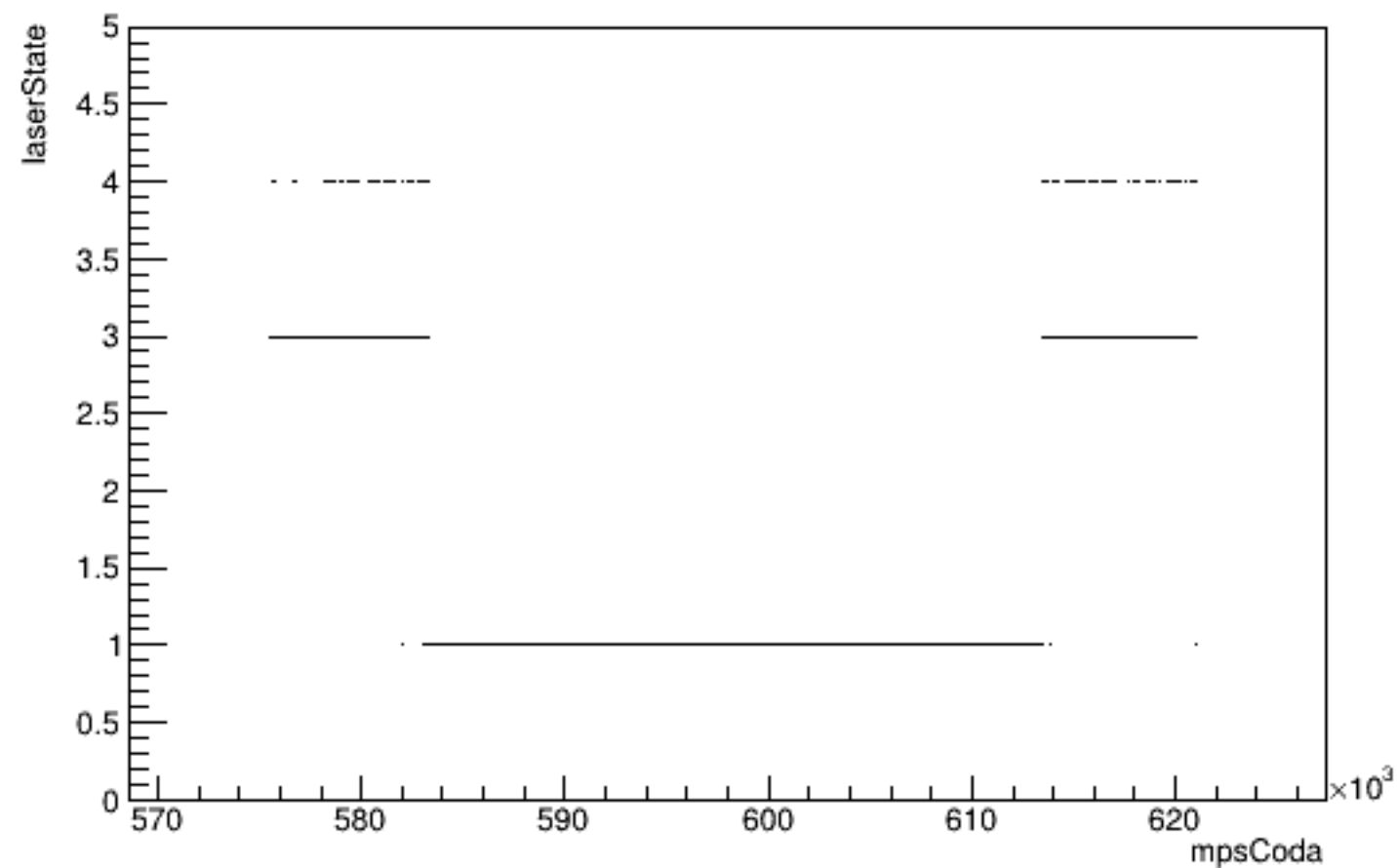
Run 4381 quartetwise, Asyms



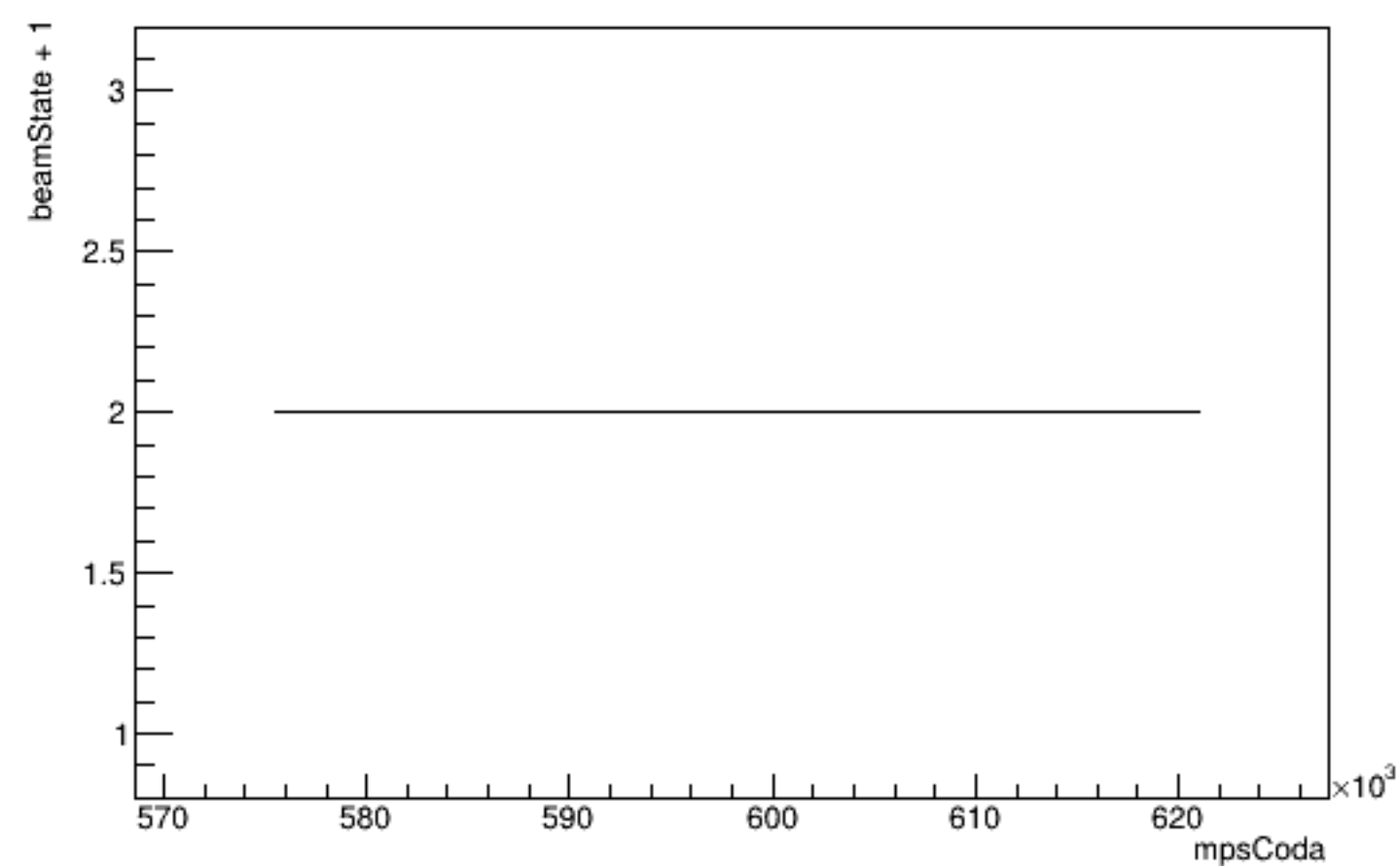
Acc0/NAcc0:mpsCoda {mpsCoda>=575542 && mpsCoda<=621029 && beamState==1}



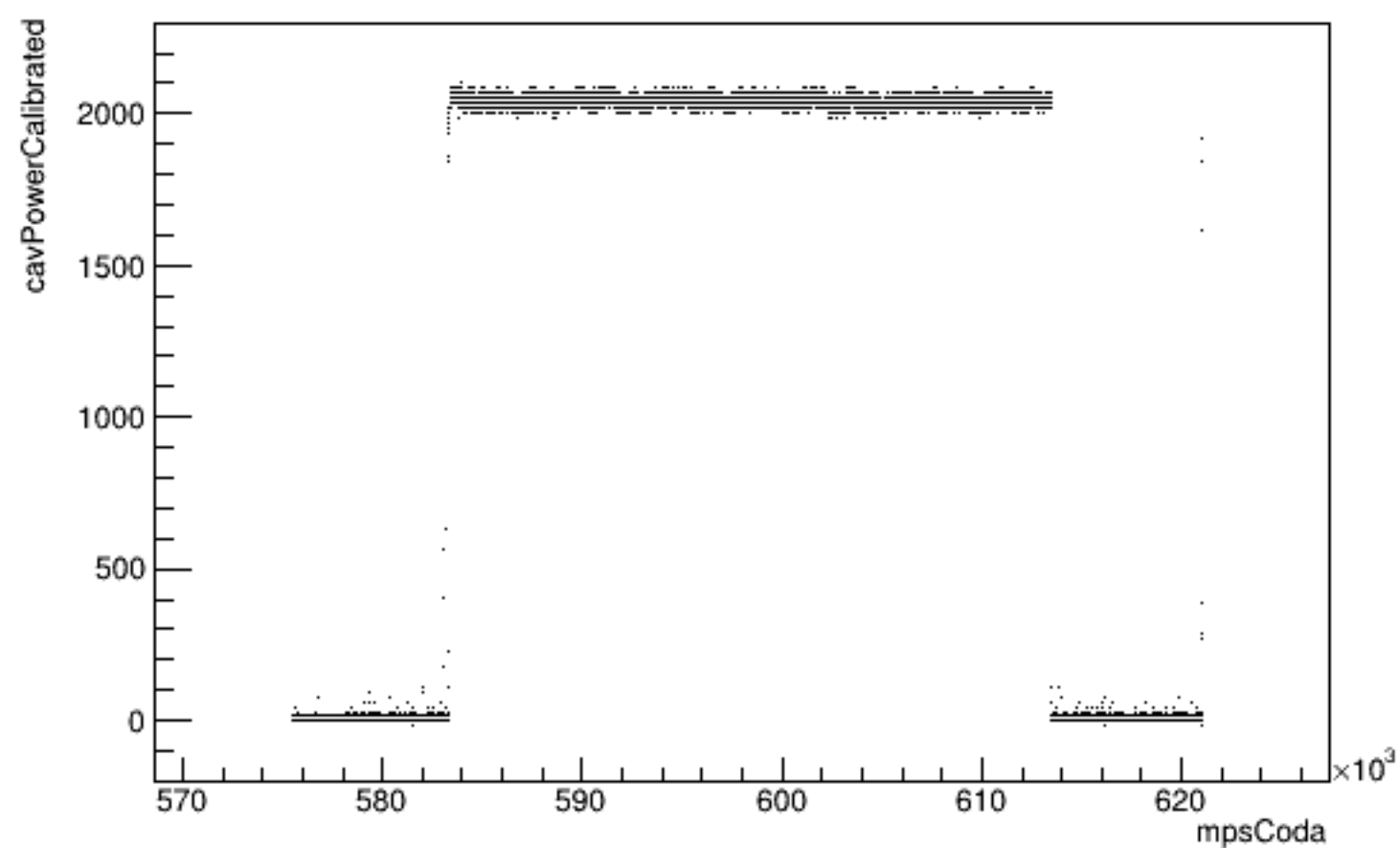
laserState:mpsCoda {mpsCoda>=575542 && mpsCoda<=621029}



beamState + 1:mpsCoda {mpsCoda>=575542 && mpsCoda<=621029}



cavPowerCalibrated:mpsCoda {mpsCoda>=575542 && mpsCoda<=621029}



bcm:mpsCoda {mpsCoda>=575542 && mpsCoda<=621029}

