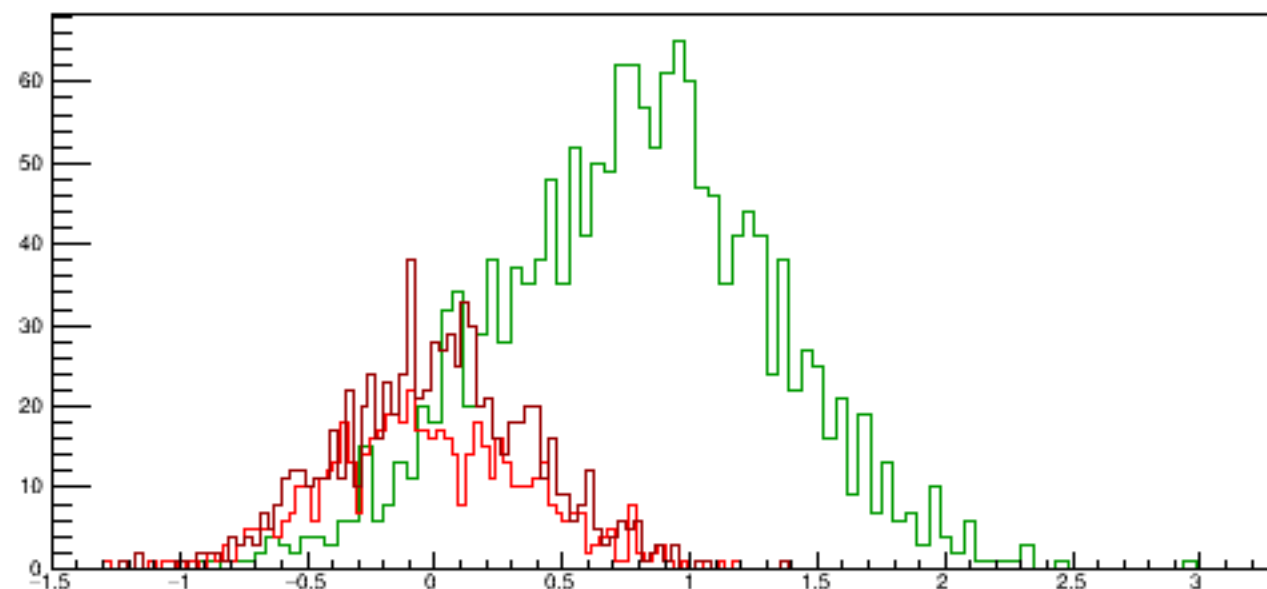


Cycle 1, Diffs

Entries: 596	Entries: 1636	Entries: 812
Mean: -0.0232 +/- 0.0163	Mean: 0.7837 +/- 0.0134	Mean: 0.0057 +/- 0.0134
Std Dev: 0.3979 +/- 0.0115	Std Dev: 0.5406 +/- 0.0095	Std Dev: 0.3825 +/- 0.0095

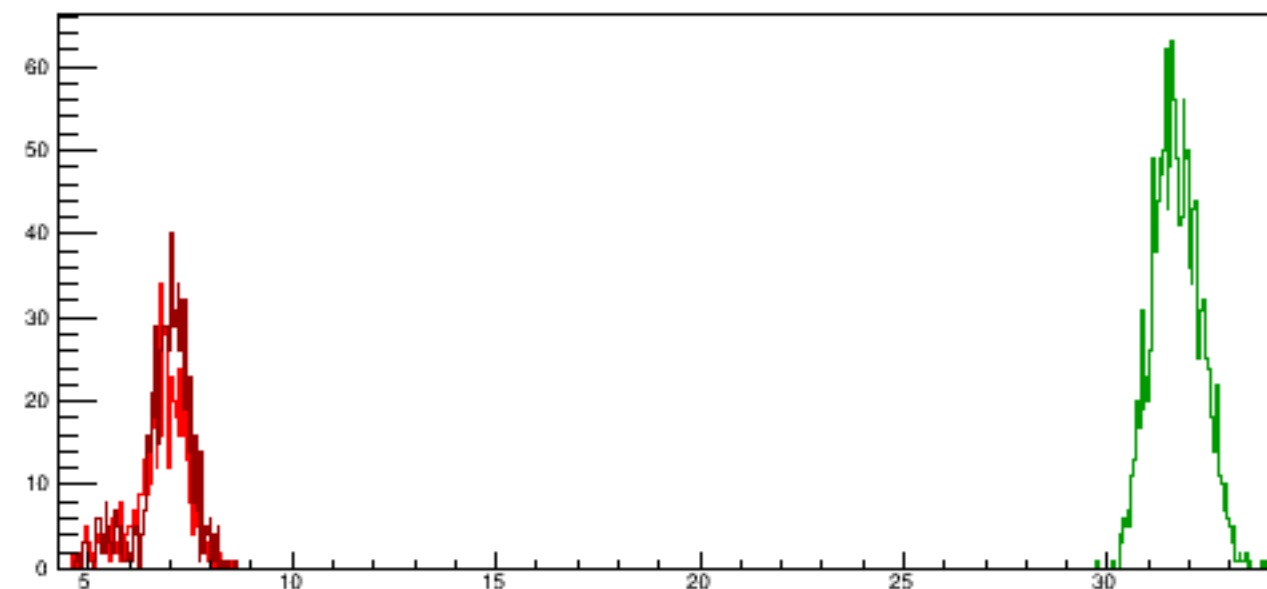
Run 6086 quartetwise, Diffs



Cycle 1, Sums

Entries: 596	Entries: 1636	Entries: 812
Mean: 6.7531 +/- 0.0278	Mean: 31.6940 +/- 0.0147	Mean: 6.9081 +/- 0.0225
Std Dev: 0.6785 +/- 0.0197	Std Dev: 0.5928 +/- 0.0104	Std Dev: 0.6415 +/- 0.0159

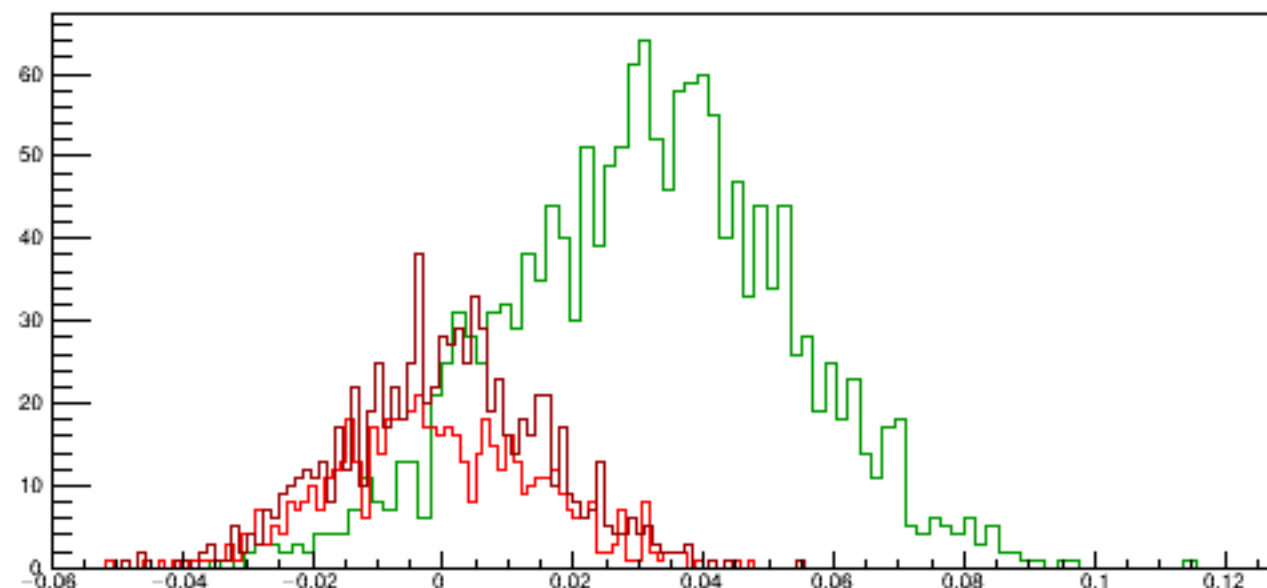
Run 6086 quartetwise, Sums



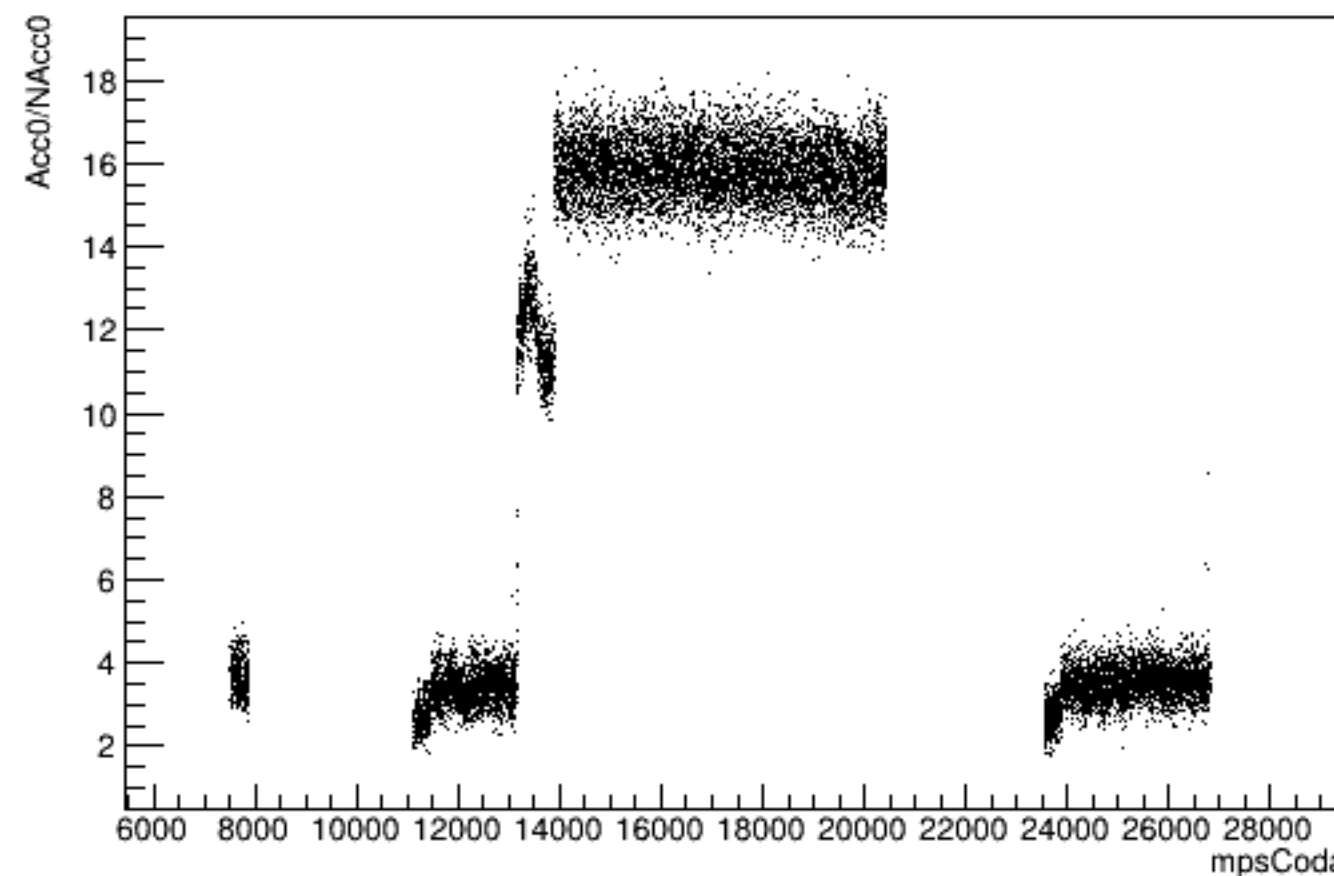
Cycle 1, Asyms

Entries: 596	Entries: 1636	Entries: 812
Mean: -0.0009 +/- 0.0007	Mean: 0.0315 +/- 0.0005	Mean: 0.0002 +/- 0.0005
Std Dev: 0.0160 +/- 0.0005	Std Dev: 0.0217 +/- 0.0004	Std Dev: 0.0154 +/- 0.0004

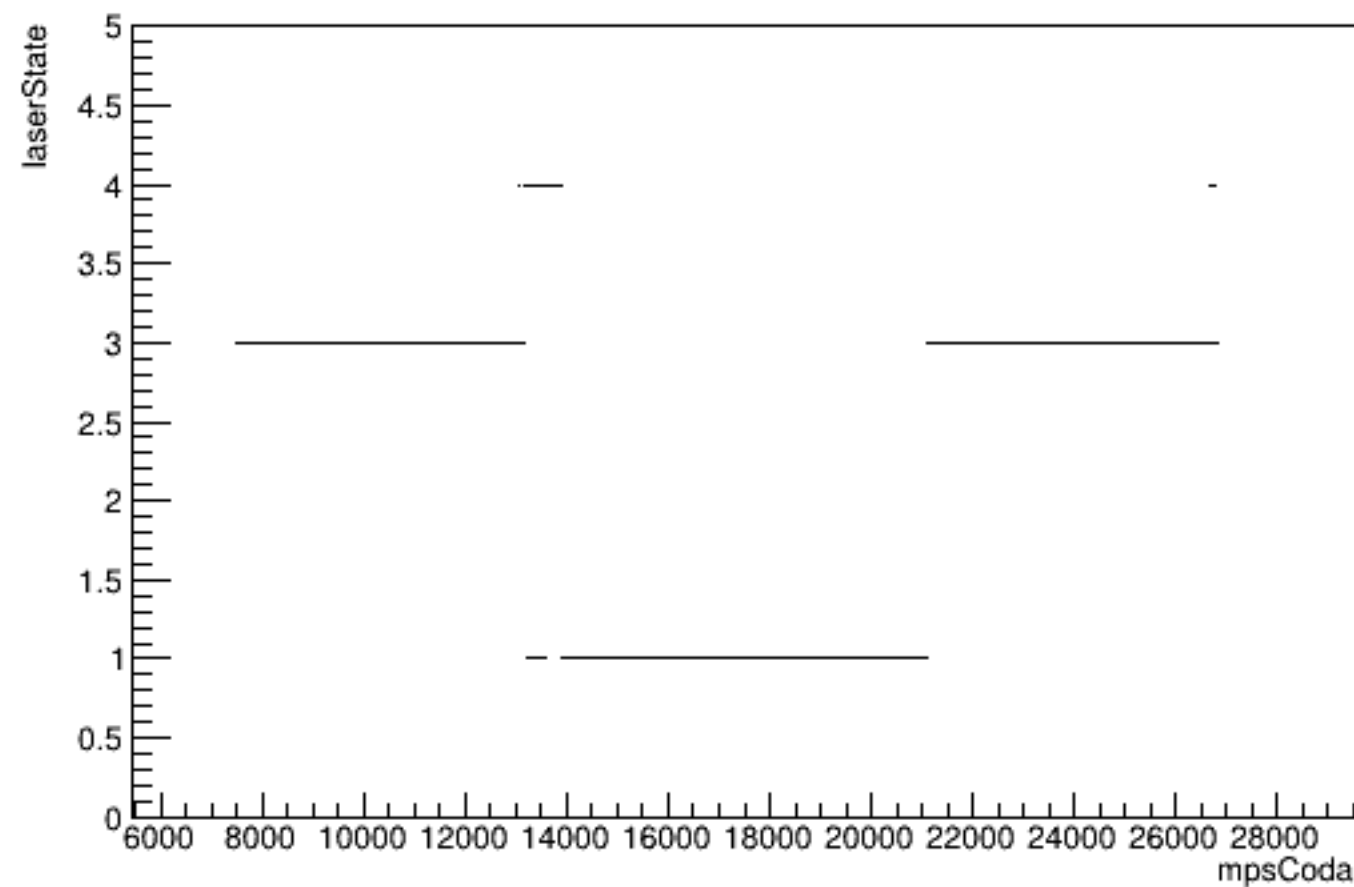
Run 6086 quartetwise, Asyms



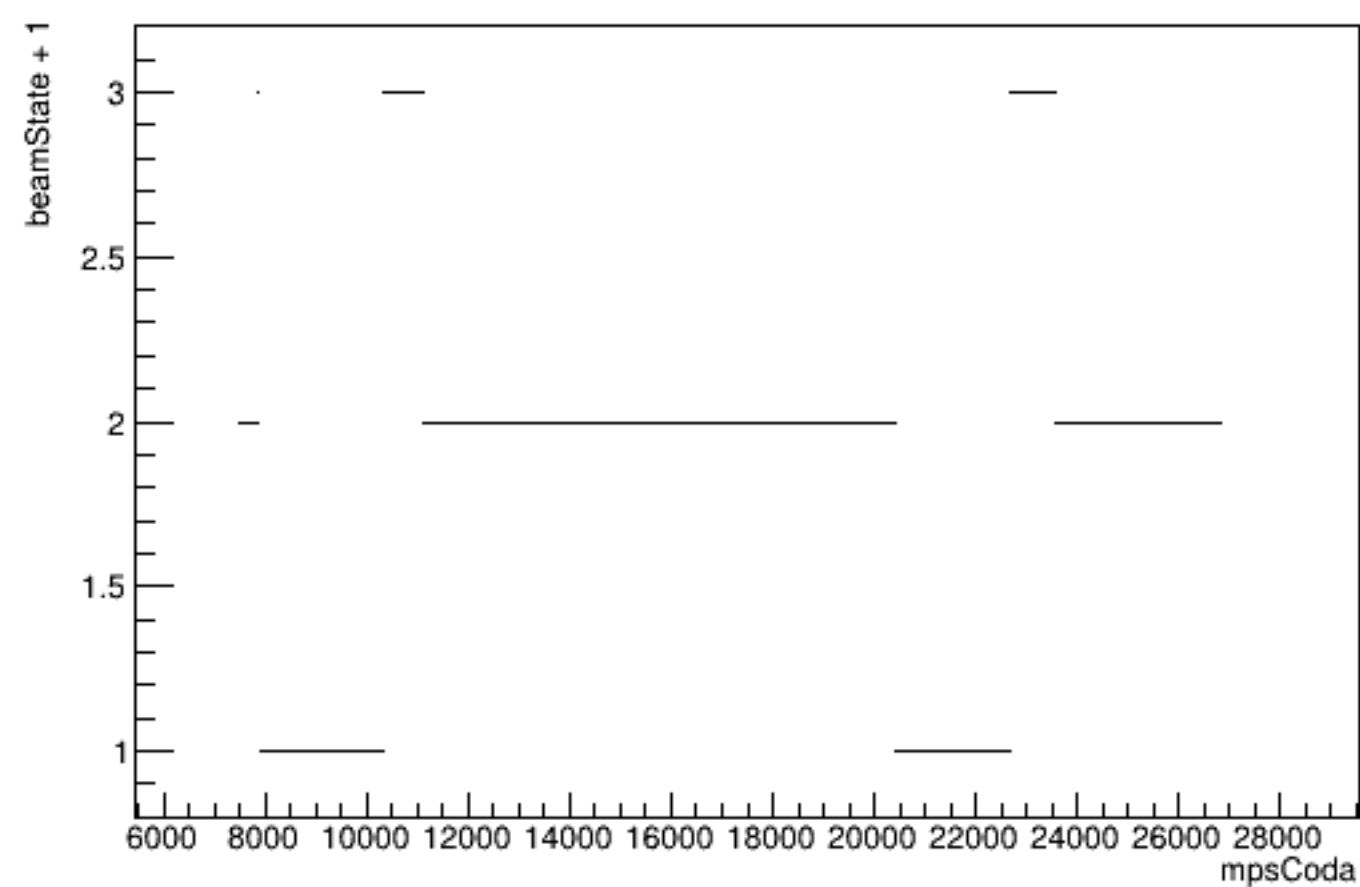
Acc0/NAcc0:mpsCoda {mpsCoda>=7506 && mpsCoda<=26817 && beamState==1}



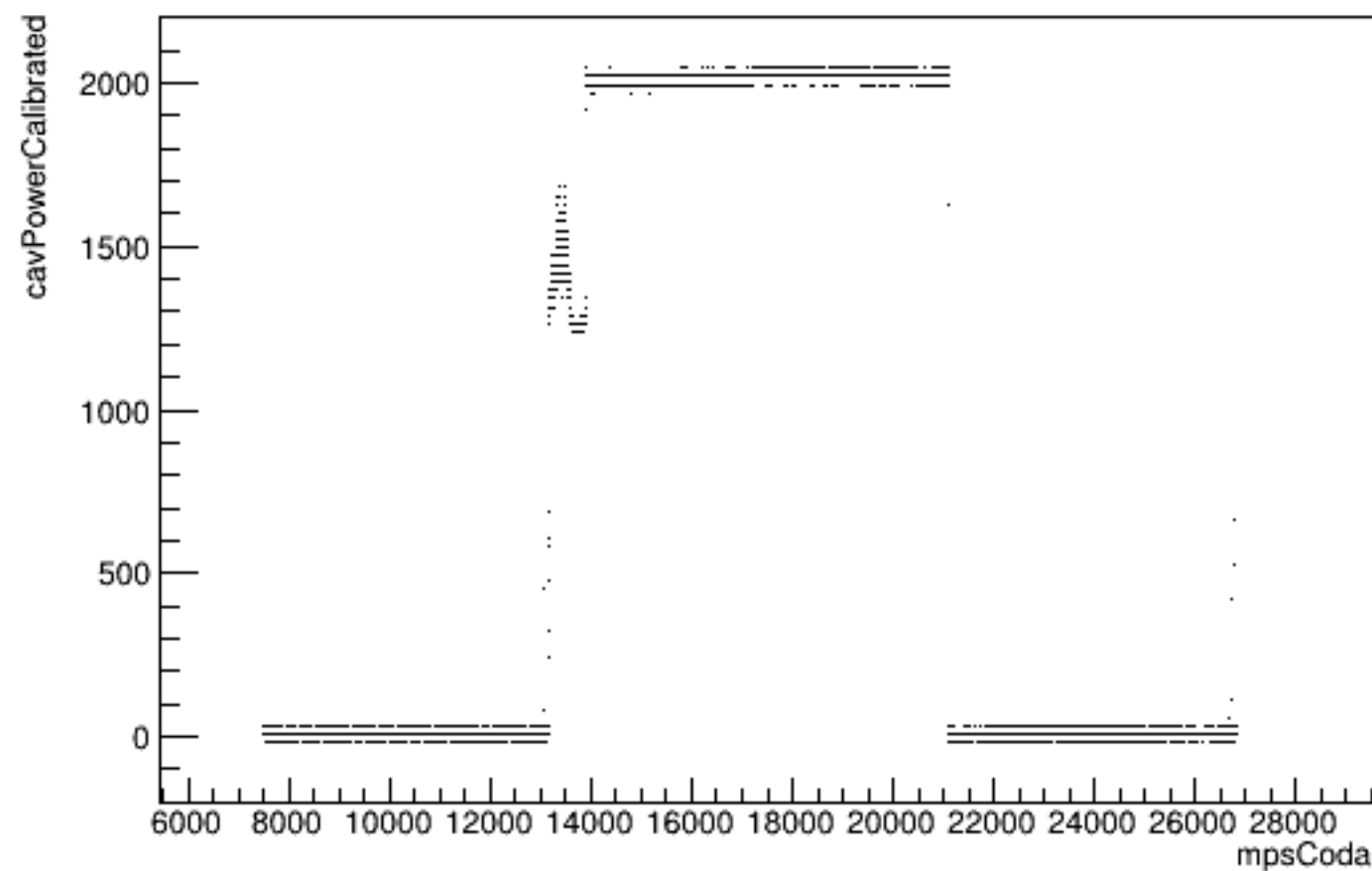
laserState:mpsCoda {mpsCoda>=7506 && mpsCoda<=26817}



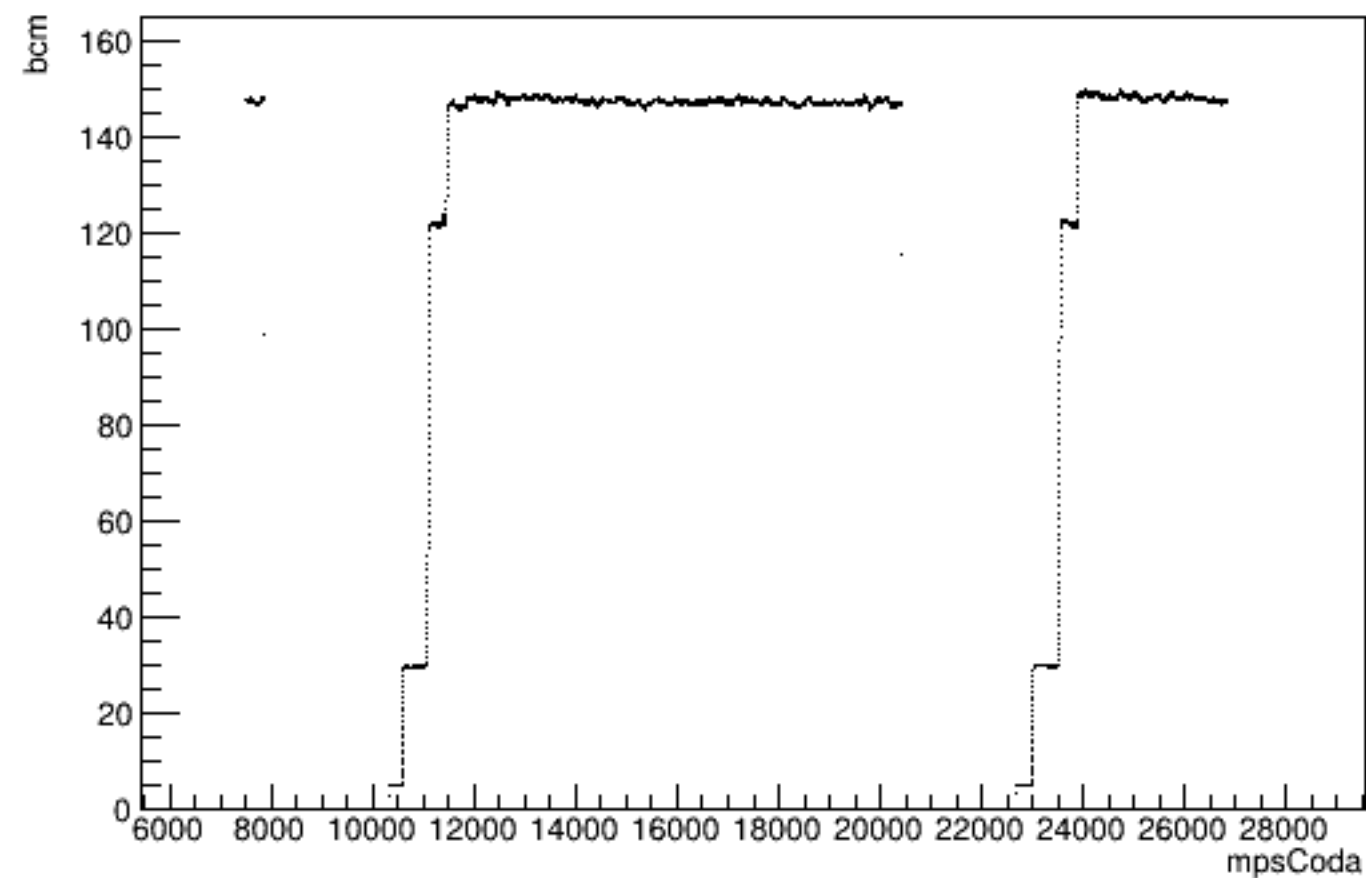
beamState + 1:mpsCoda {mpsCoda>=7506 && mpsCoda<=26817}



cavPowerCalibrated:mpsCoda {mpsCoda>=7506 && mpsCoda<=26817}



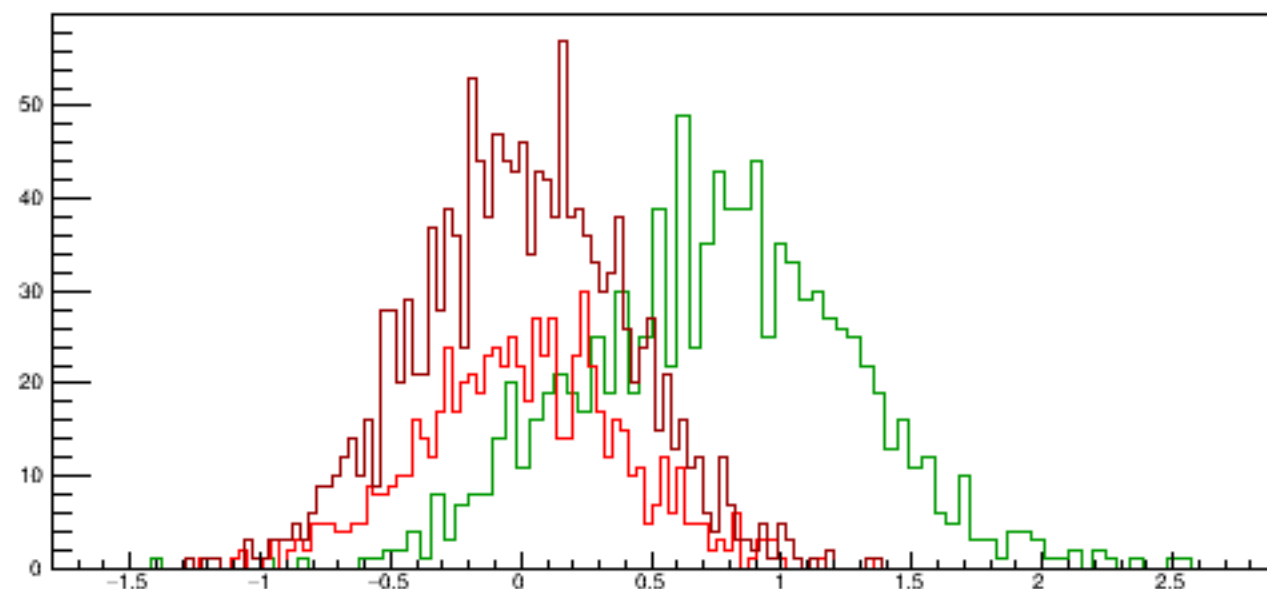
bcm:mpsCoda {mpsCoda>=7506 && mpsCoda<=26817}



Cycle 2, Diffs

Entries: 740	Entries: 1009	Entries: 1448
Mean: 0.0042 +/- 0.0146	Mean: 0.7553 +/- 0.0166	Mean: 0.0067 +/- 0.0105
Std Dev: 0.3969 +/- 0.0103	Std Dev: 0.5262 +/- 0.0117	Std Dev: 0.4014 +/- 0.0075

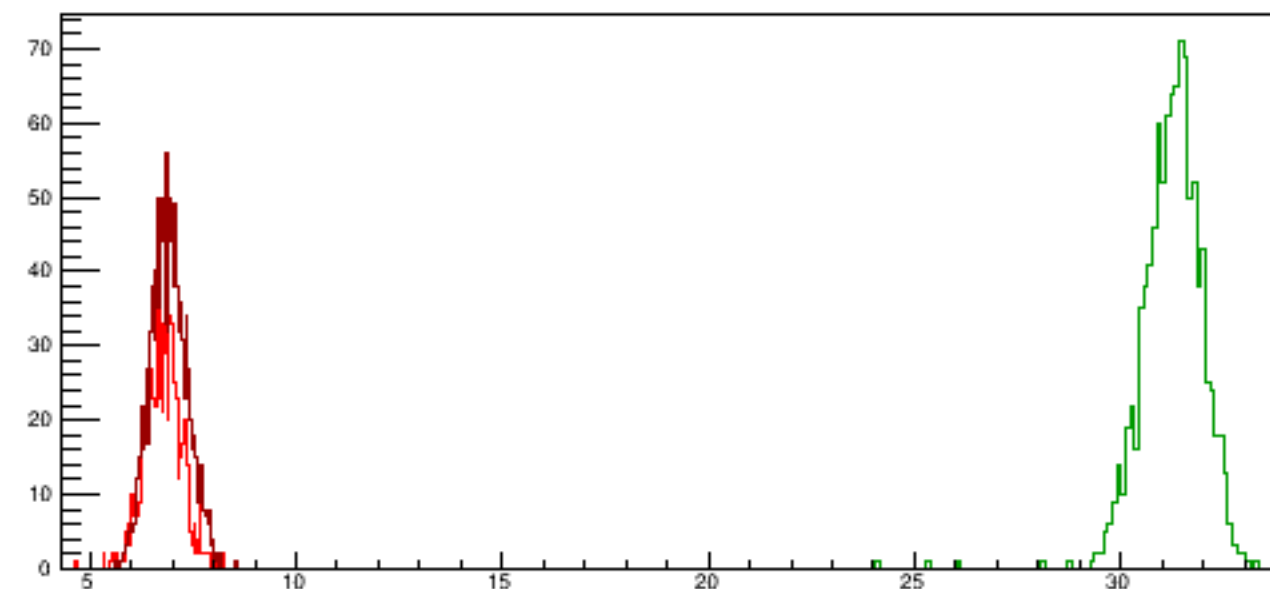
Run 6086 quartetwise, Diffs



Cycle 2, Sums

Entries: 740	Entries: 1009	Entries: 1448
Mean: 6.7855 +/- 0.0167	Mean: 31.2467 +/- 0.0237	Mean: 6.9120 +/- 0.0117
Std Dev: 0.4547 +/- 0.0118	Std Dev: 0.7522 +/- 0.0167	Std Dev: 0.4460 +/- 0.0083

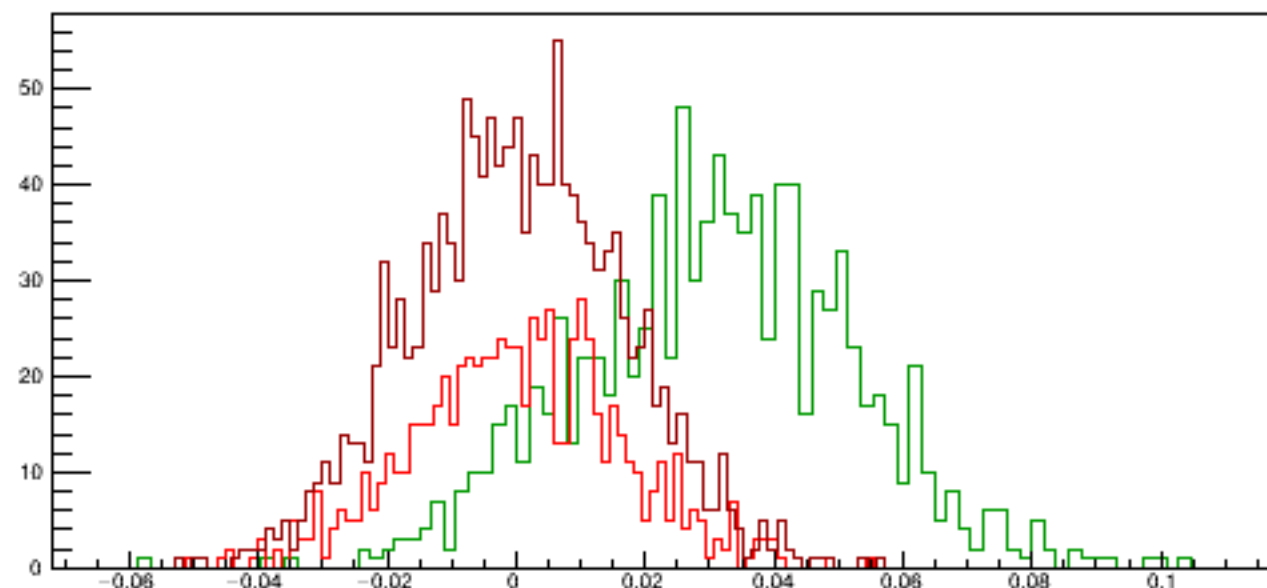
Run 6086 quartetwise, Sums



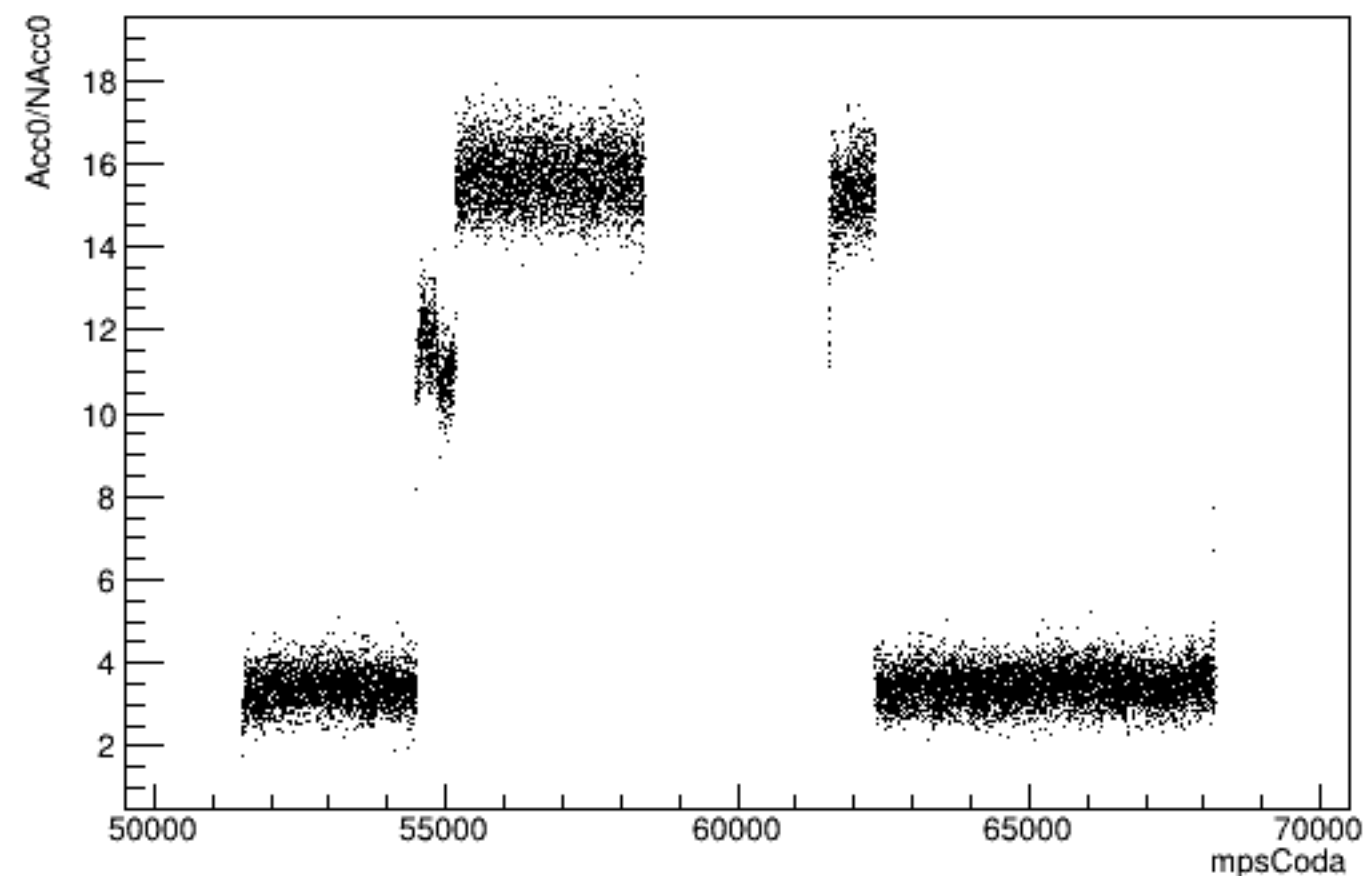
Cycle 2, Asyms

Entries: 740	Entries: 1009	Entries: 1448
Mean: 0.0002 +/- 0.0006	Mean: 0.0310 +/- 0.0007	Mean: 0.0003 +/- 0.0004
Std Dev: 0.0163 +/- 0.0004	Std Dev: 0.0216 +/- 0.0005	Std Dev: 0.0165 +/- 0.0003

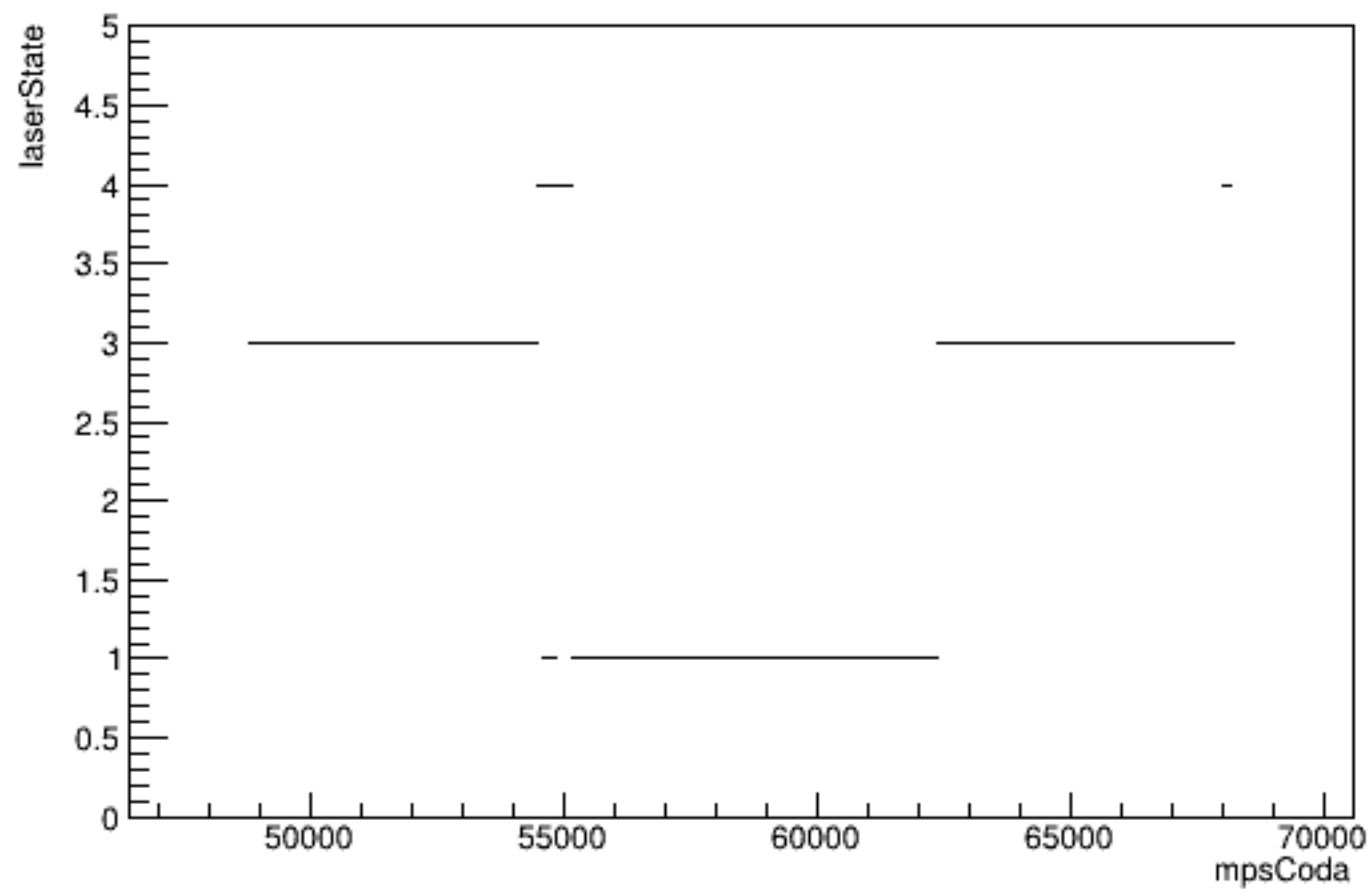
Run 6086 quartetwise, Asyms



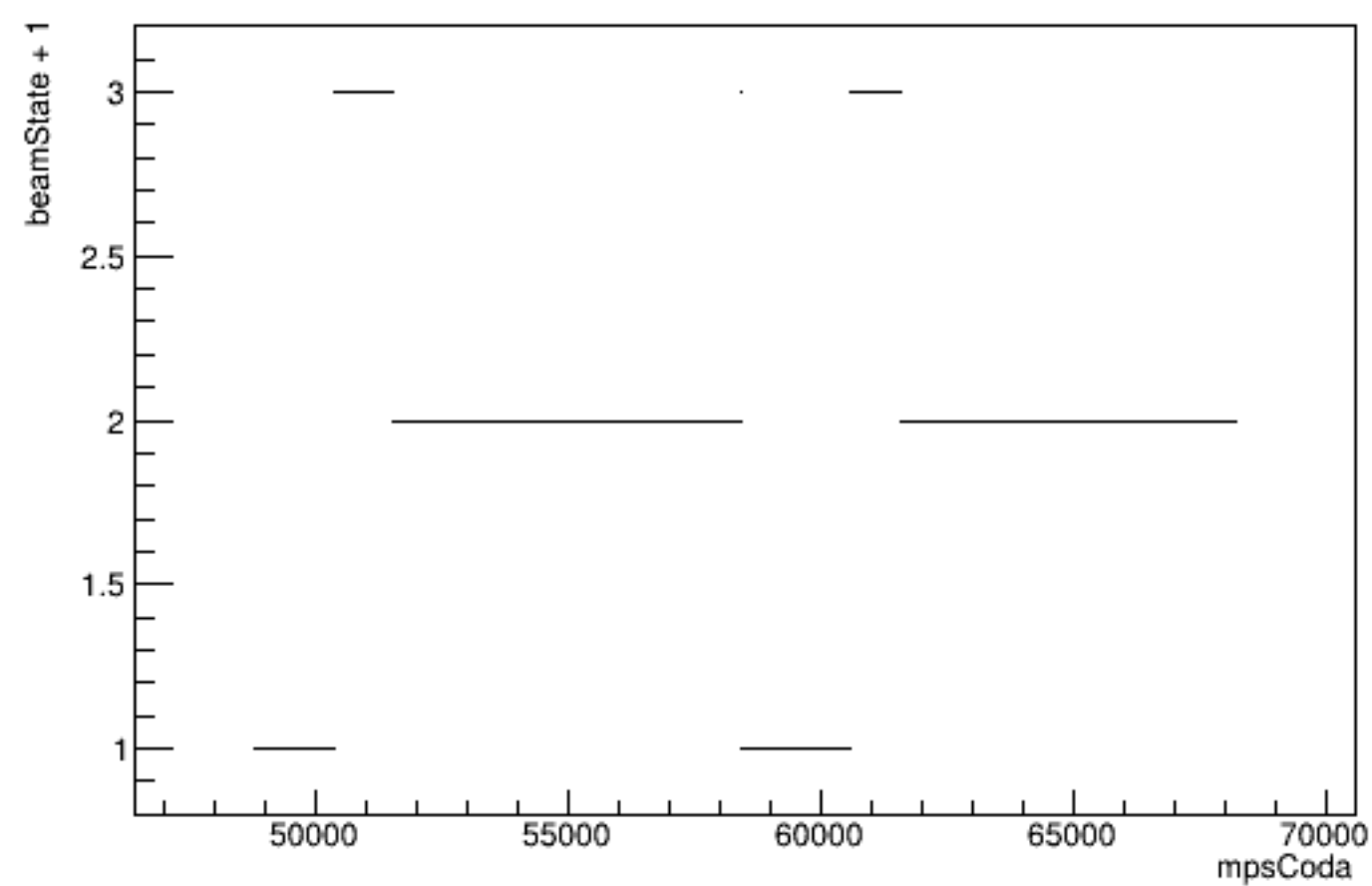
Acc0/NAcc0:mpsCoda {mpsCoda>=48774 && mpsCoda<=68189 && beamState==1}



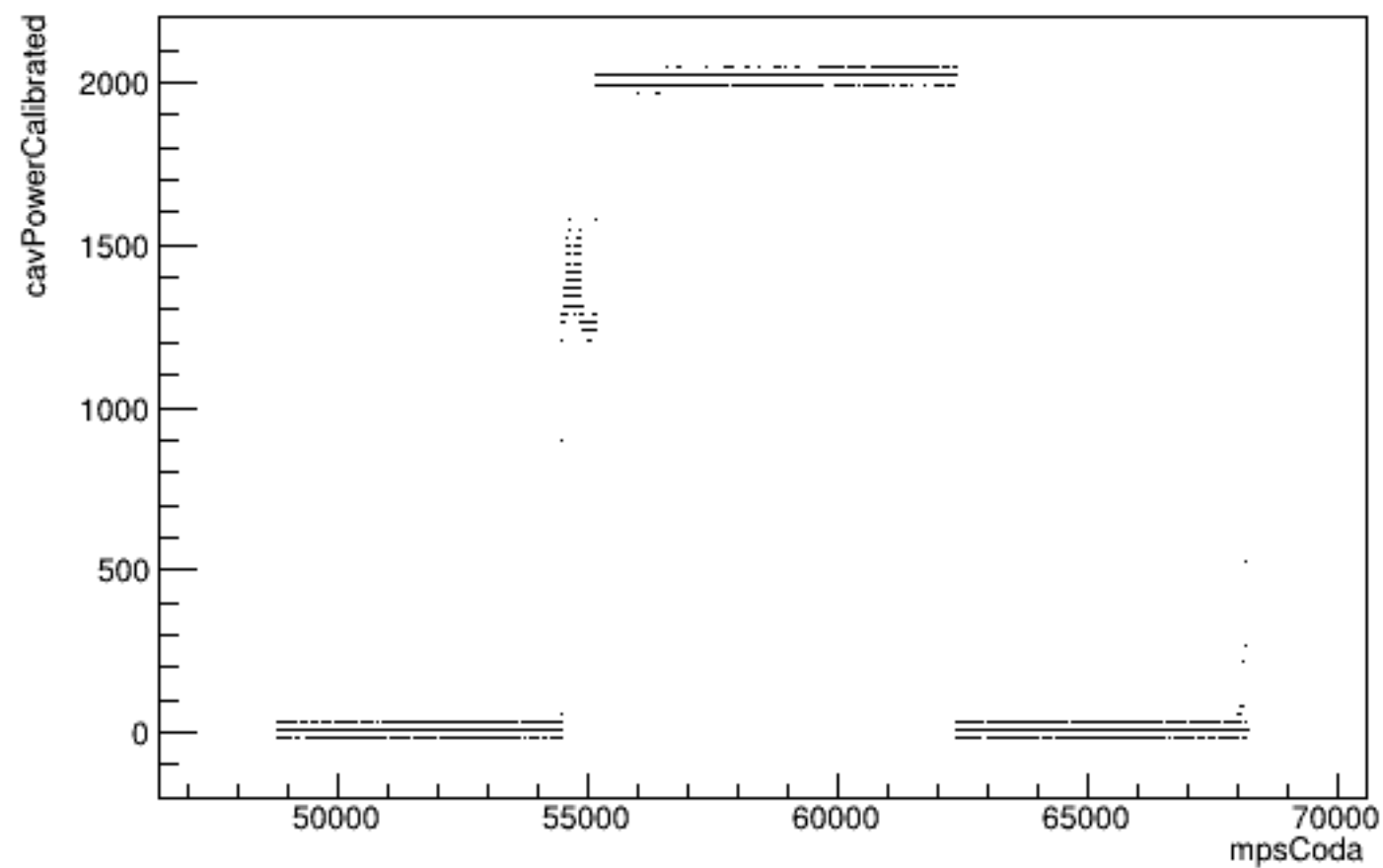
laserState:mpsCoda {mpsCoda>=48774 && mpsCoda<=68189}



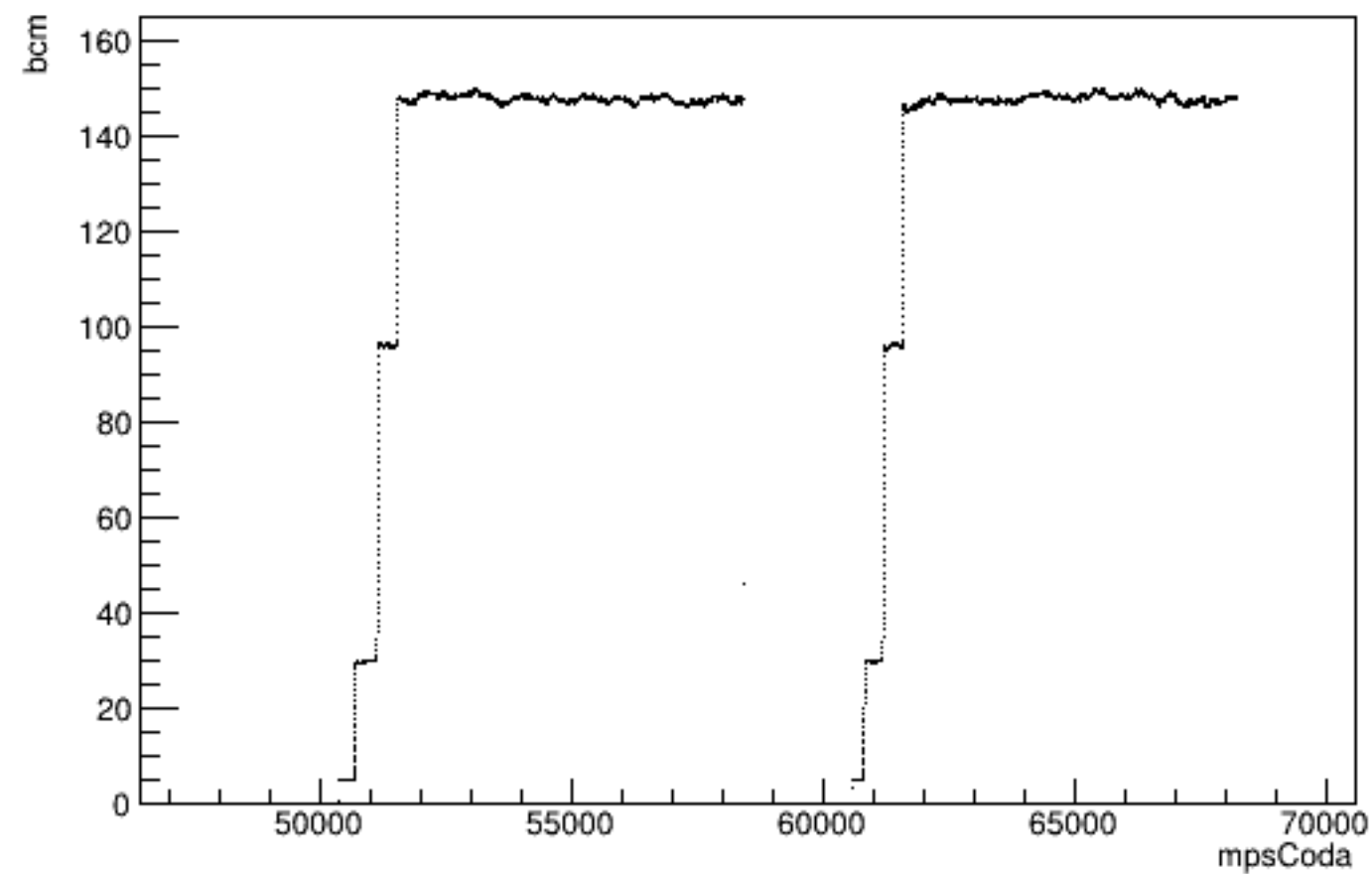
beamState + 1:mpsCoda {mpsCoda>=48774 && mpsCoda<=68189}



cavPowerCalibrated:mpsCoda {mpsCoda>=48774 && mpsCoda<=68189}



bcm:mpsCoda {mpsCoda>=48774 && mpsCoda<=68189}



Cycle 3, Diffs

Entries: 1448

Mean: 0.0067 +/- 0.0105

Std Dev: 0.4014 +/- 0.0075

Entries: 1801

Mean: 0.7421 +/- 0.0125

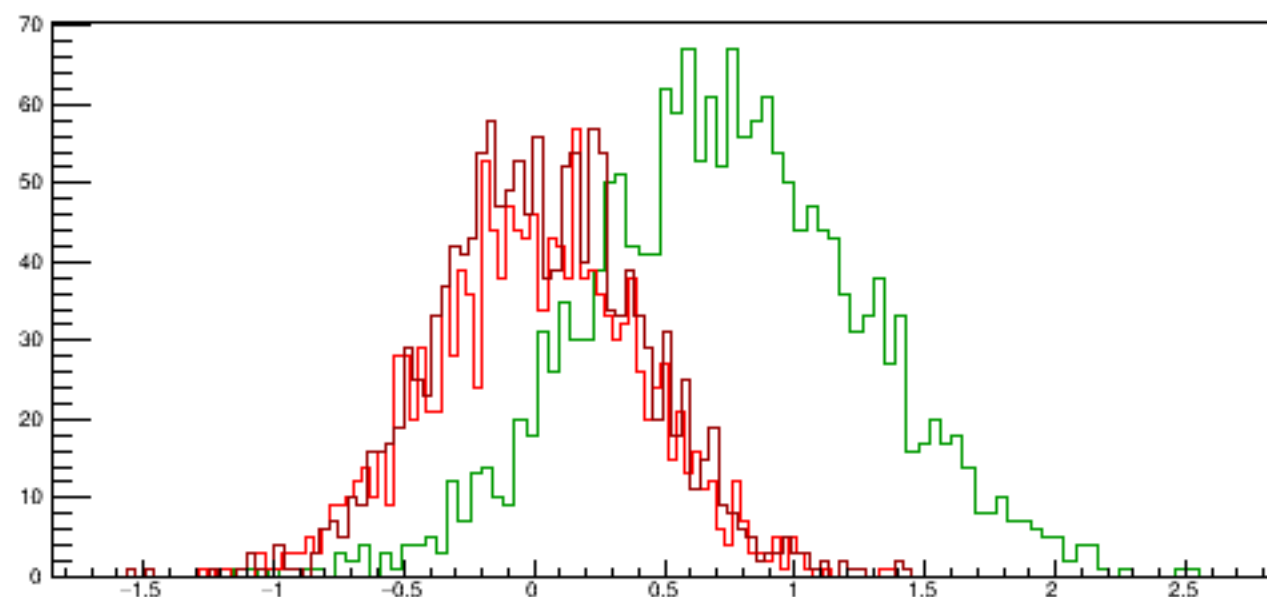
Std Dev: 0.5320 +/- 0.0089

Entries: 1456

Mean: 0.0250 +/- 0.0104

Std Dev: 0.3967 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 3, Sums

Entries: 1448

Mean: 6.9120 +/- 0.0117

Std Dev: 0.4460 +/- 0.0083

Entries: 1801

Mean: 31.3422 +/- 0.0145

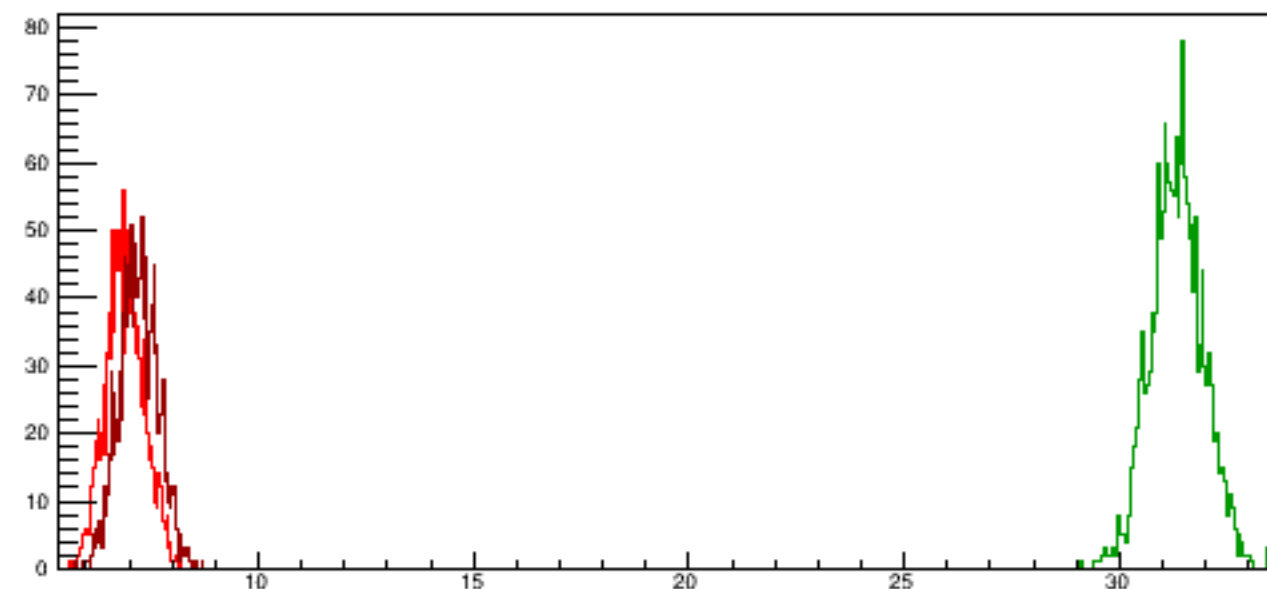
Std Dev: 0.6149 +/- 0.0102

Entries: 1456

Mean: 7.2231 +/- 0.0115

Std Dev: 0.4407 +/- 0.0082

Run 6086 quartetwise, Sums



Cycle 3, Asyms

Entries: 1448

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

Entries: 1801

Mean: 0.0306 +/- 0.0005

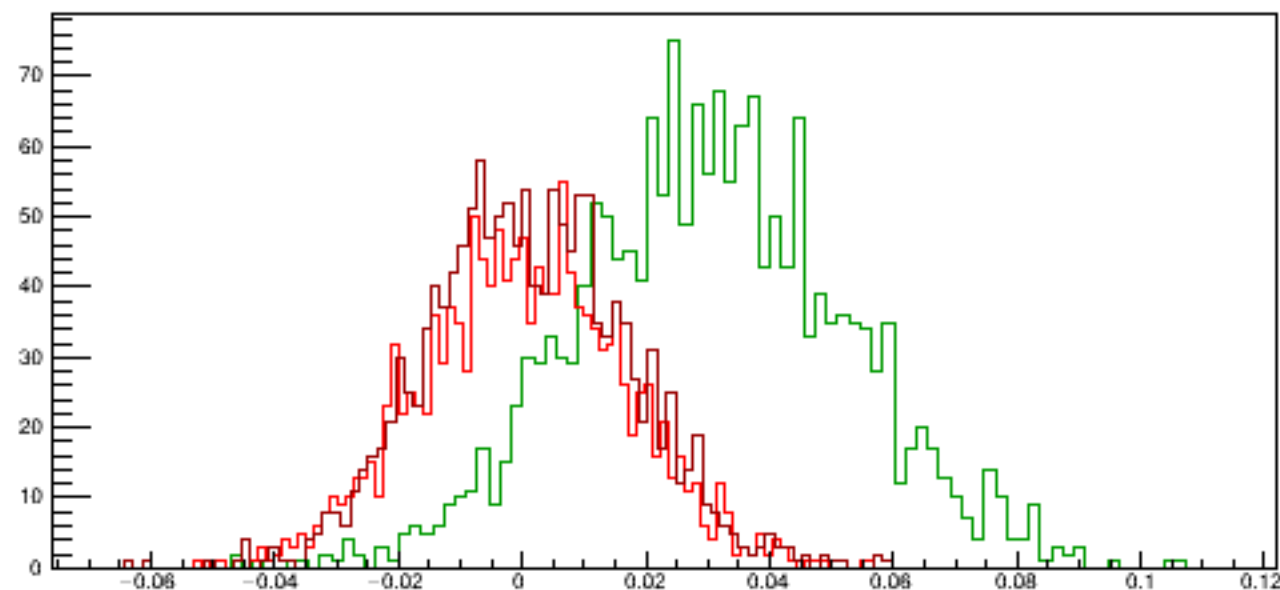
Std Dev: 0.0219 +/- 0.0004

Entries: 1456

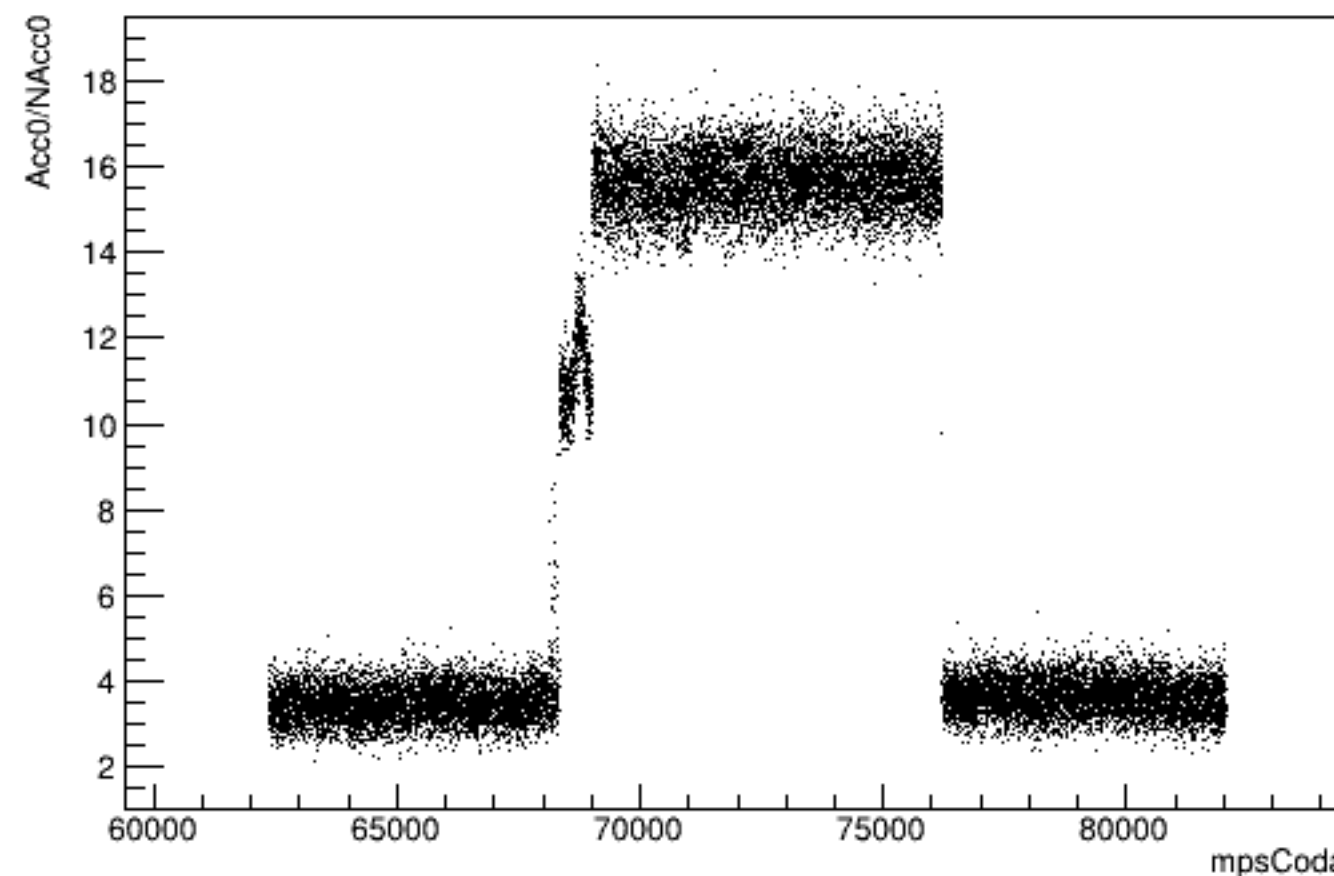
Mean: 0.0010 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

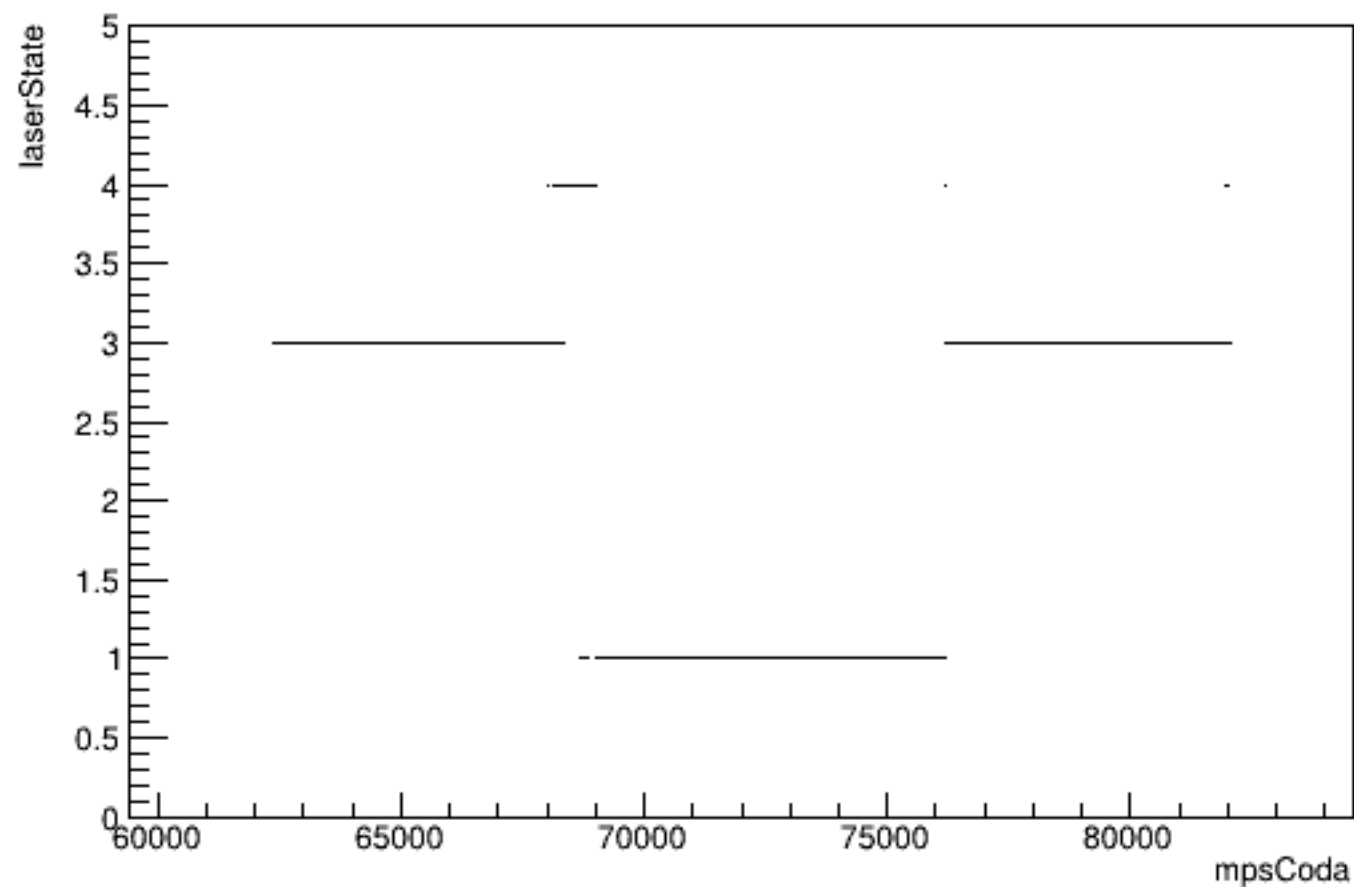
Run 6086 quartetwise, Asyms



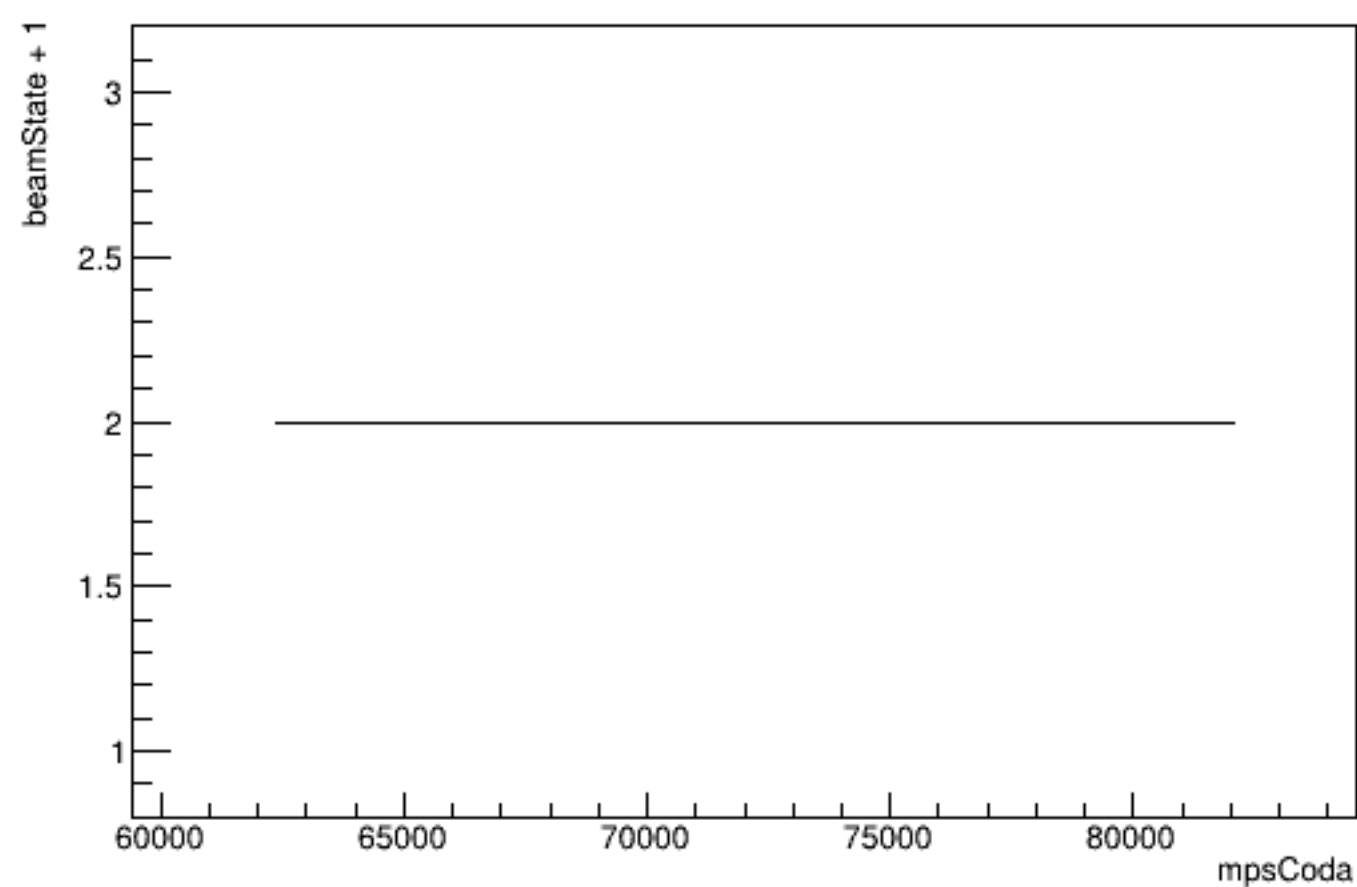
Acc0/NAcc0:mpsCoda {mpsCoda>=62370 && mpsCoda<=82049 && beamState==1}



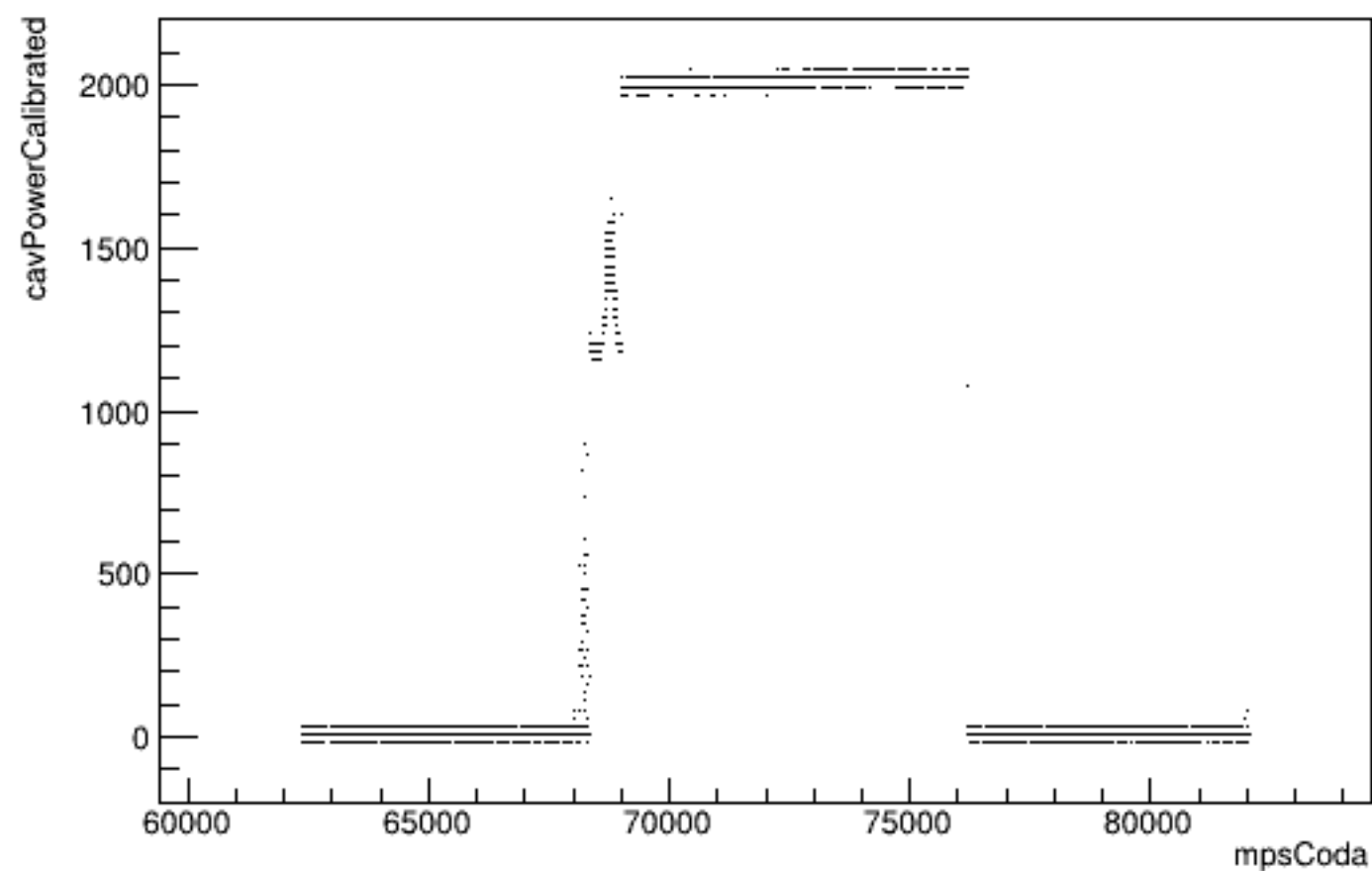
laserState:mpsCoda {mpsCoda>=62370 && mpsCoda<=82049}



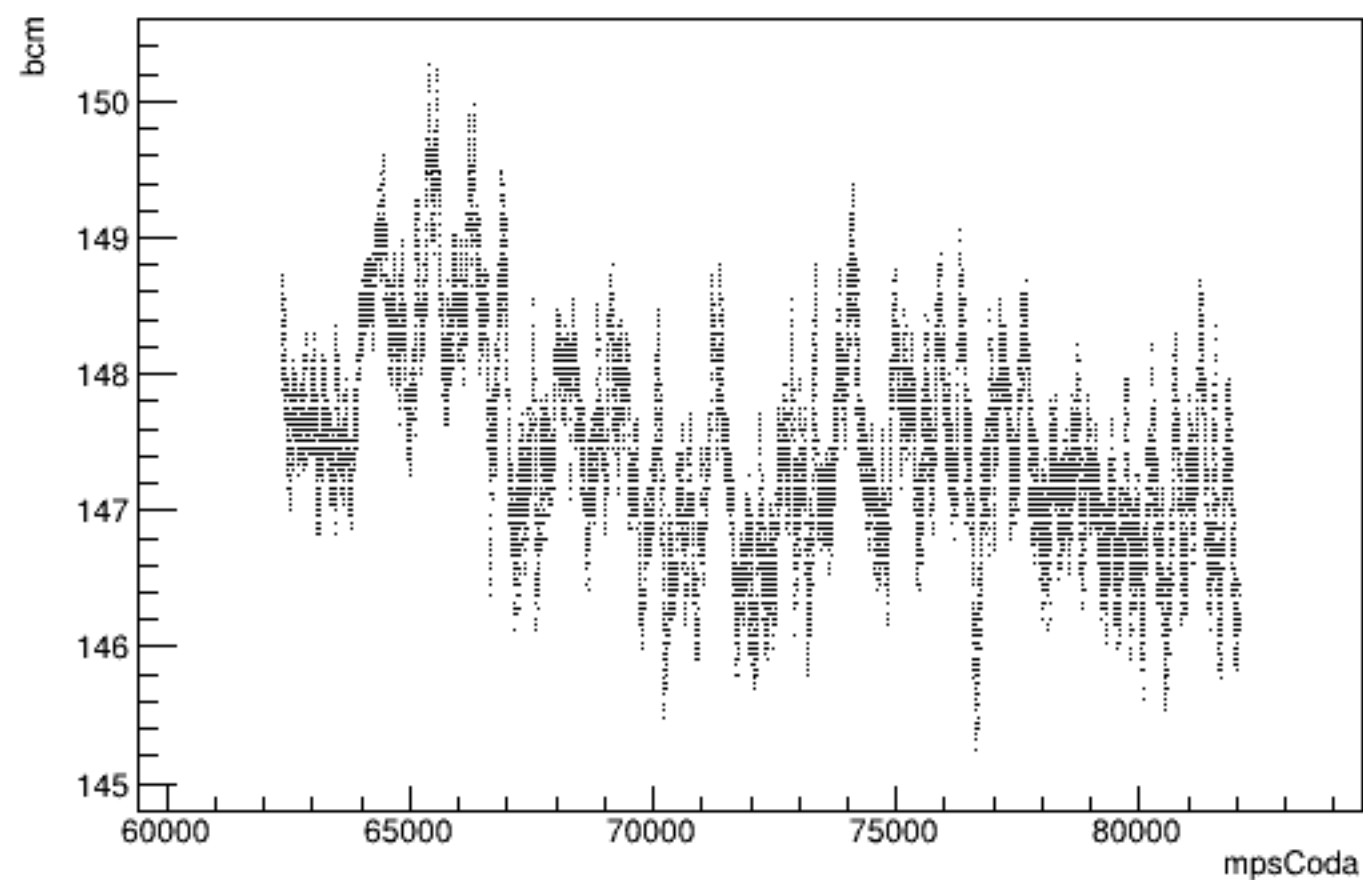
beamState + 1:mpsCoda {mpsCoda>=62370 && mpsCoda<=82049}



cavPowerCalibrated:mpsCoda {mpsCoda>=62370 && mpsCoda<=82049}



bcm:mpsCoda {mpsCoda>=62370 && mpsCoda<=82049}



Cycle 4, Diffs

Entries: 1456

Mean: 0.0250 +/- 0.0104

Std Dev: 0.3967 +/- 0.0074

Entries: 1801

Mean: 0.7669 +/- 0.0125

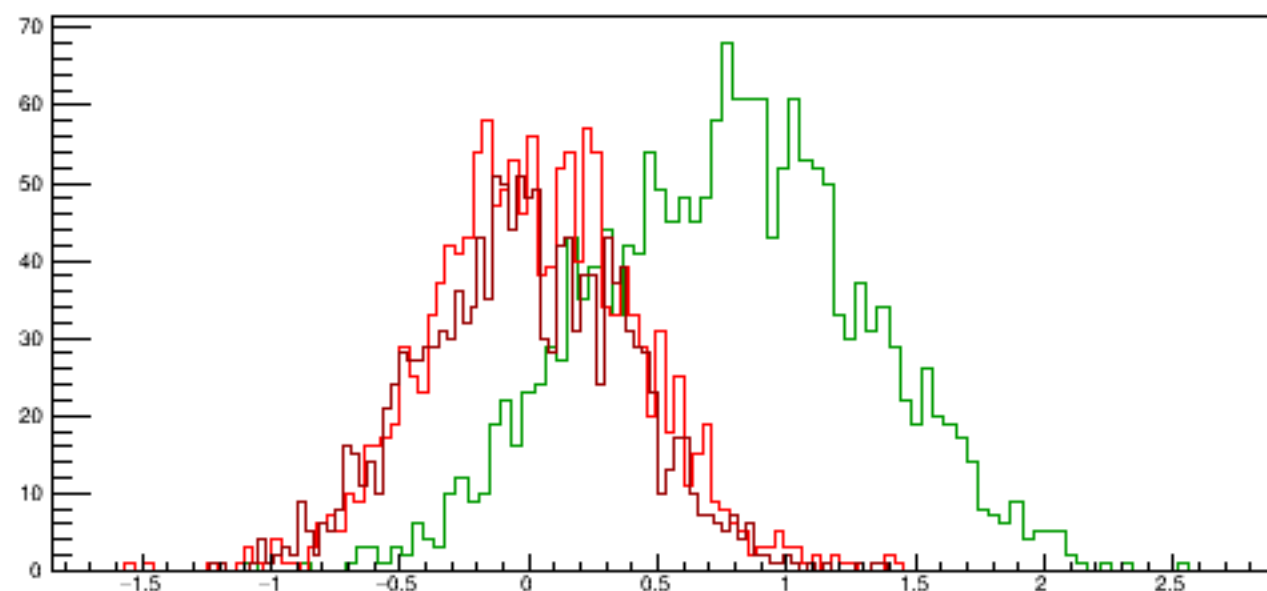
Std Dev: 0.5314 +/- 0.0089

Entries: 1462

Mean: -0.0160 +/- 0.0103

Std Dev: 0.3942 +/- 0.0073

Run 6086 quartetwise, Diffs



Cycle 4, Sums

Entries: 1456

Mean: 7.2231 +/- 0.0115

Std Dev: 0.4407 +/- 0.0082

Entries: 1801

Mean: 31.2922 +/- 0.0142

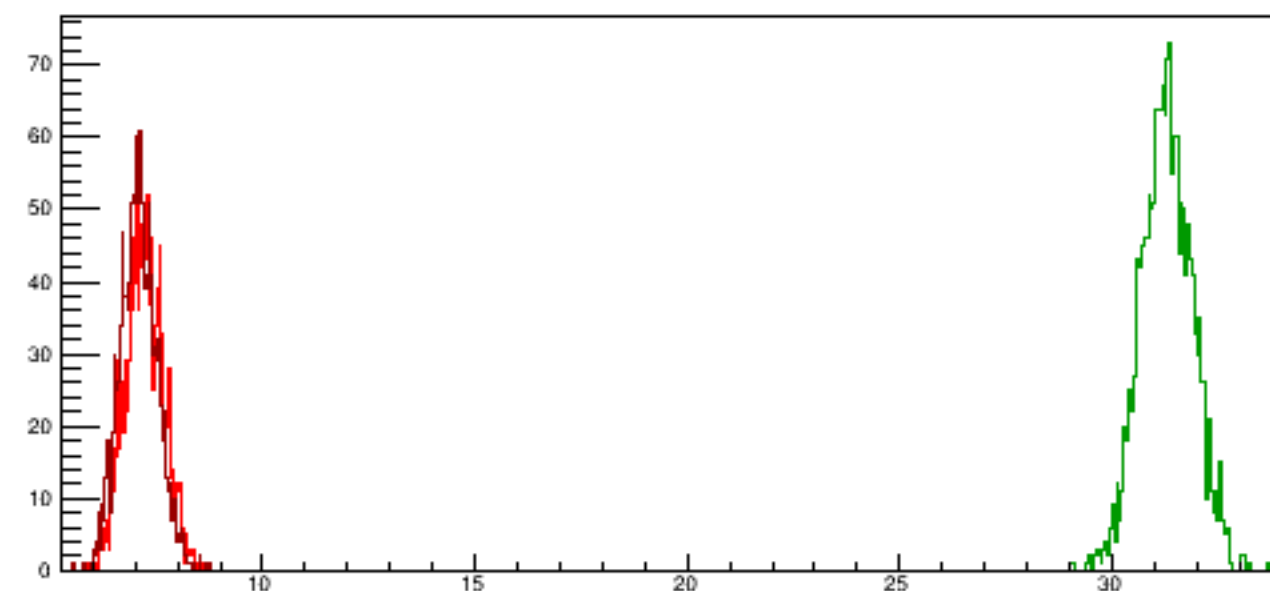
Std Dev: 0.6039 +/- 0.0101

Entries: 1462

Mean: 7.0822 +/- 0.0115

Std Dev: 0.4398 +/- 0.0081

Run 6086 quartetwise, Sums



Cycle 4, Asyms

Entries: 1456

Mean: 0.0010 +/- 0.0004

Std Dev: 0.0164 +/- 0.0003

Entries: 1801

Mean: 0.0318 +/- 0.0005

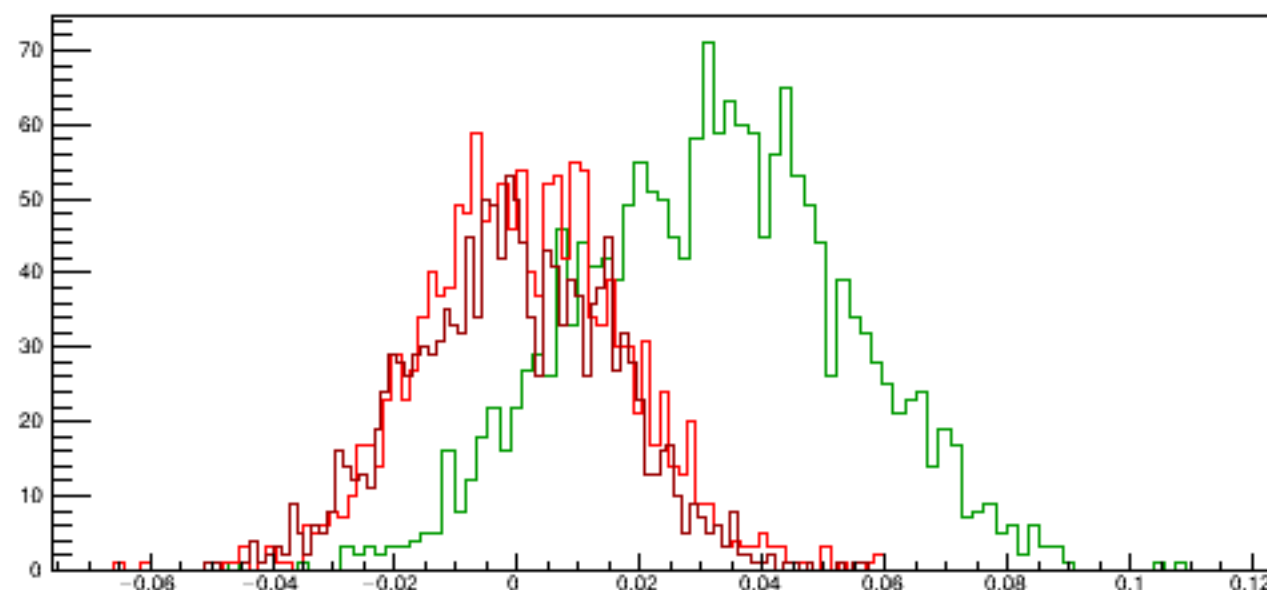
Std Dev: 0.0221 +/- 0.0004

Entries: 1462

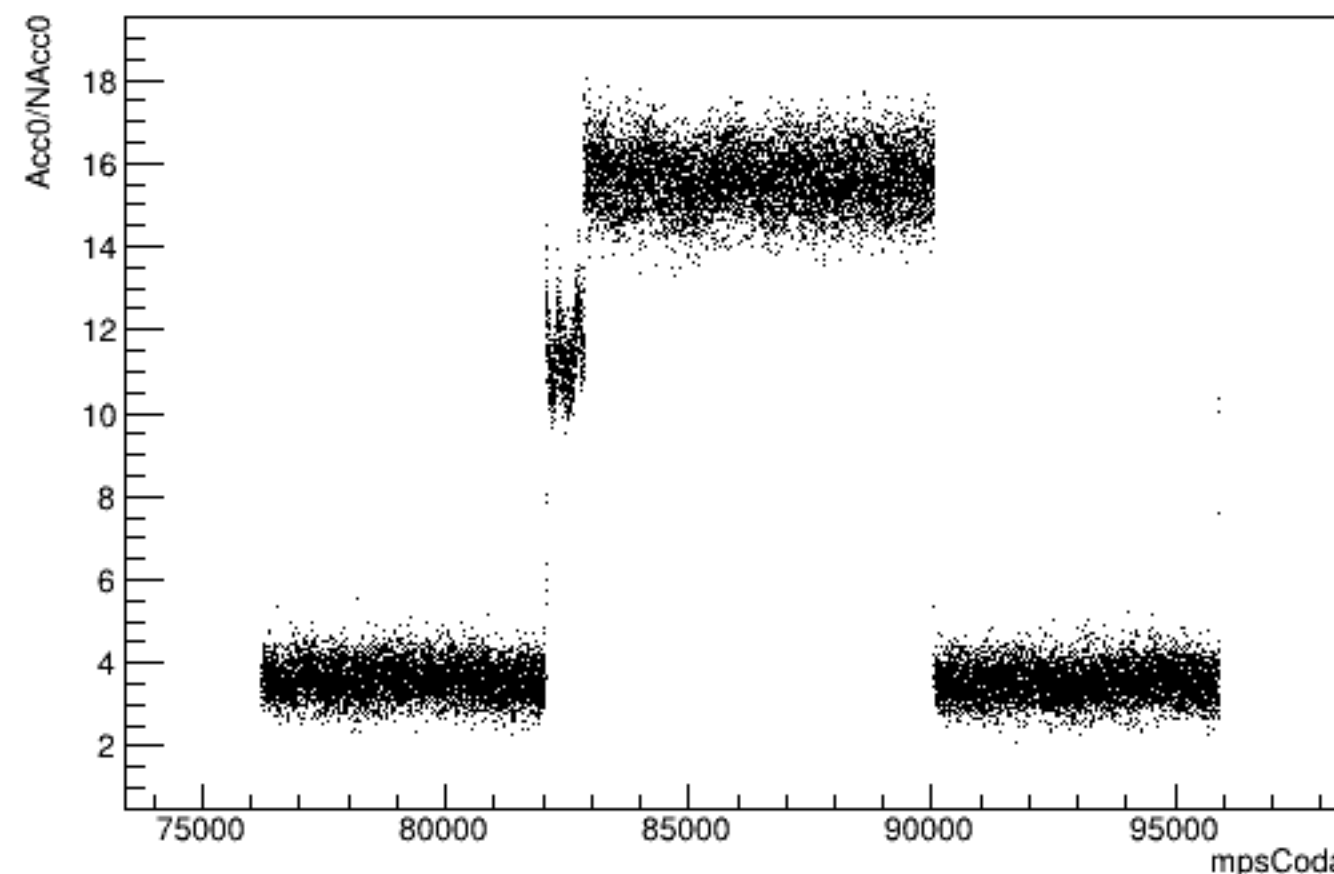
Mean: -0.0007 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

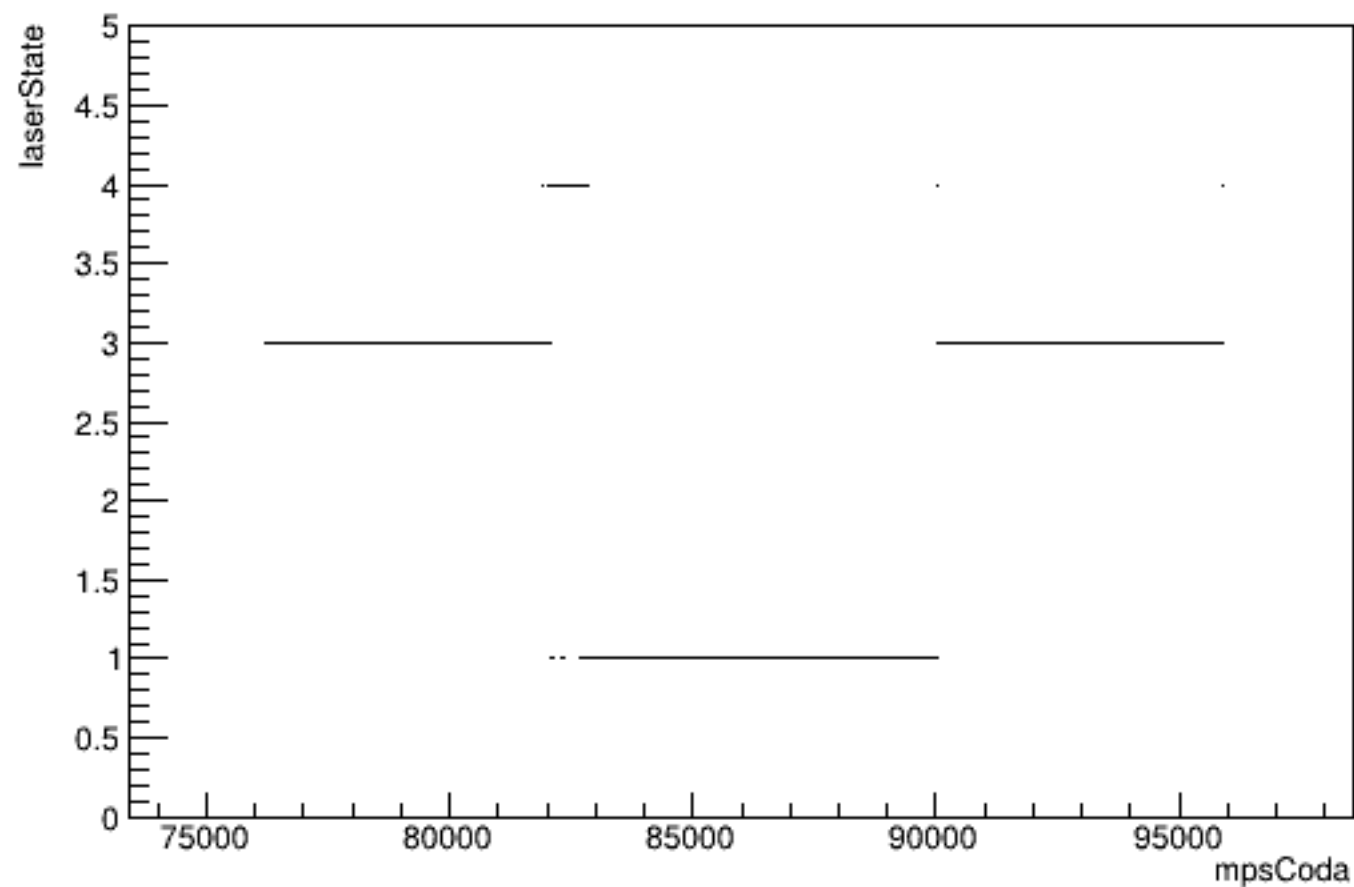
Run 6086 quartetwise, Asyms



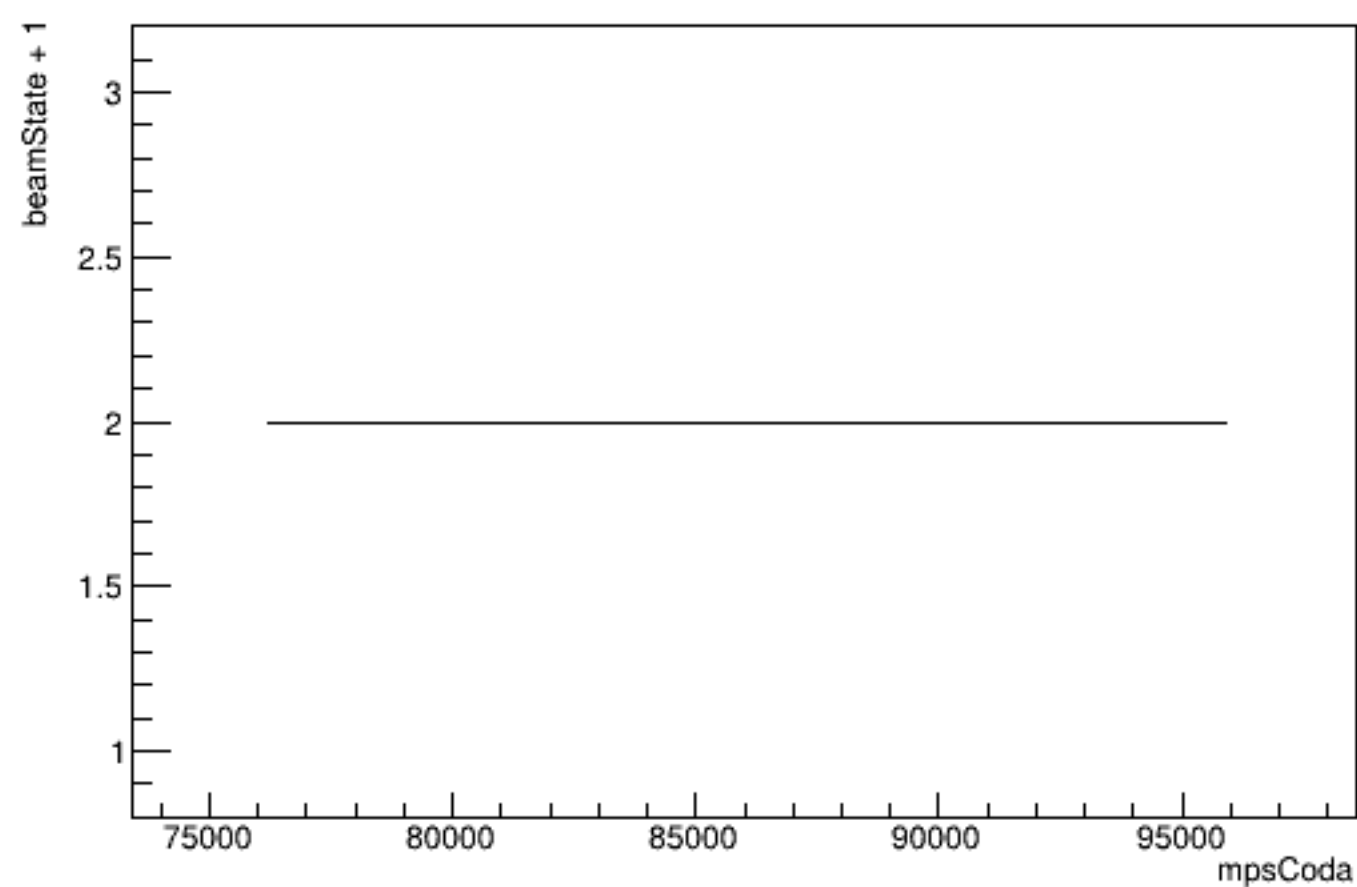
Acc0/NAcc0:mpsCoda {mpsCoda>=76218 && mpsCoda<=95909 && beamState==1}



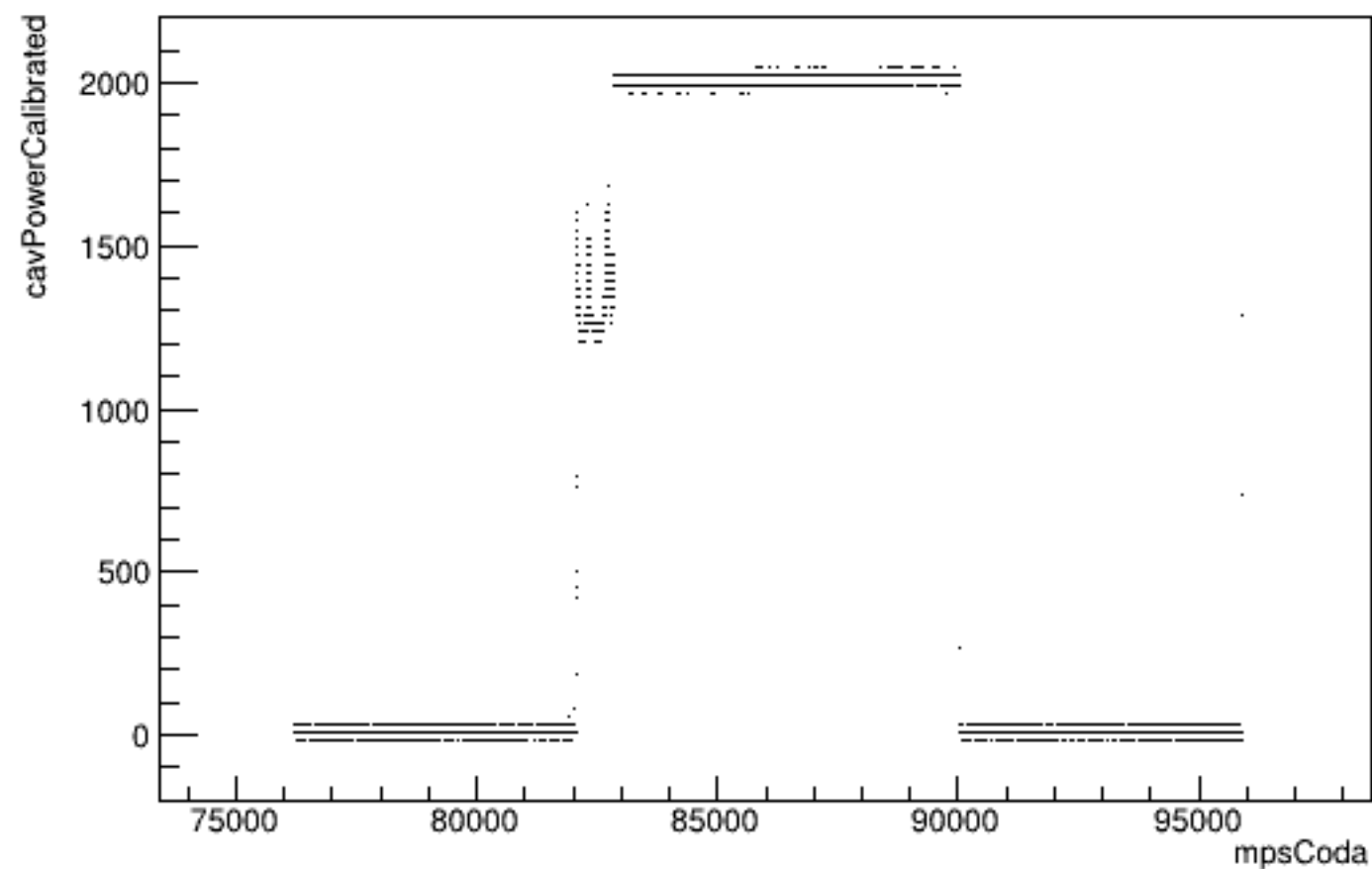
laserState:mpsCoda {mpsCoda>=76218 && mpsCoda<=95909}



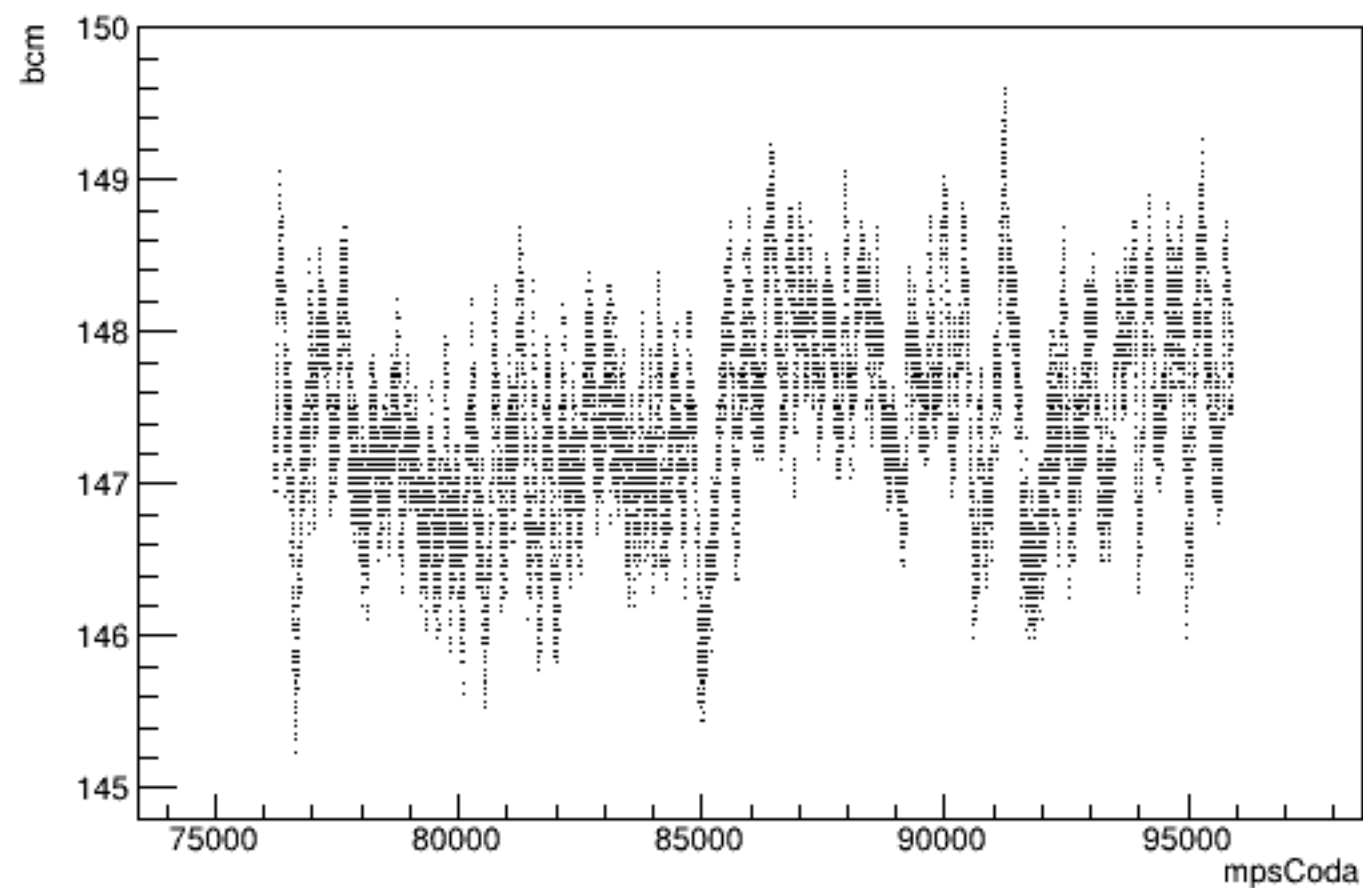
beamState + 1:mpsCoda {mpsCoda>=76218 && mpsCoda<=95909}



cavPowerCalibrated:mpsCoda {mpsCoda>=76218 && mpsCoda<=95909}



bcm:mpsCoda {mpsCoda>=76218 && mpsCoda<=95909}



Cycle 5, Diffs

Entries: 1462

Mean: -0.0160 +/- 0.0103

Std Dev: 0.3942 +/- 0.0073

Entries: 1802

Mean: 0.7769 +/- 0.0124

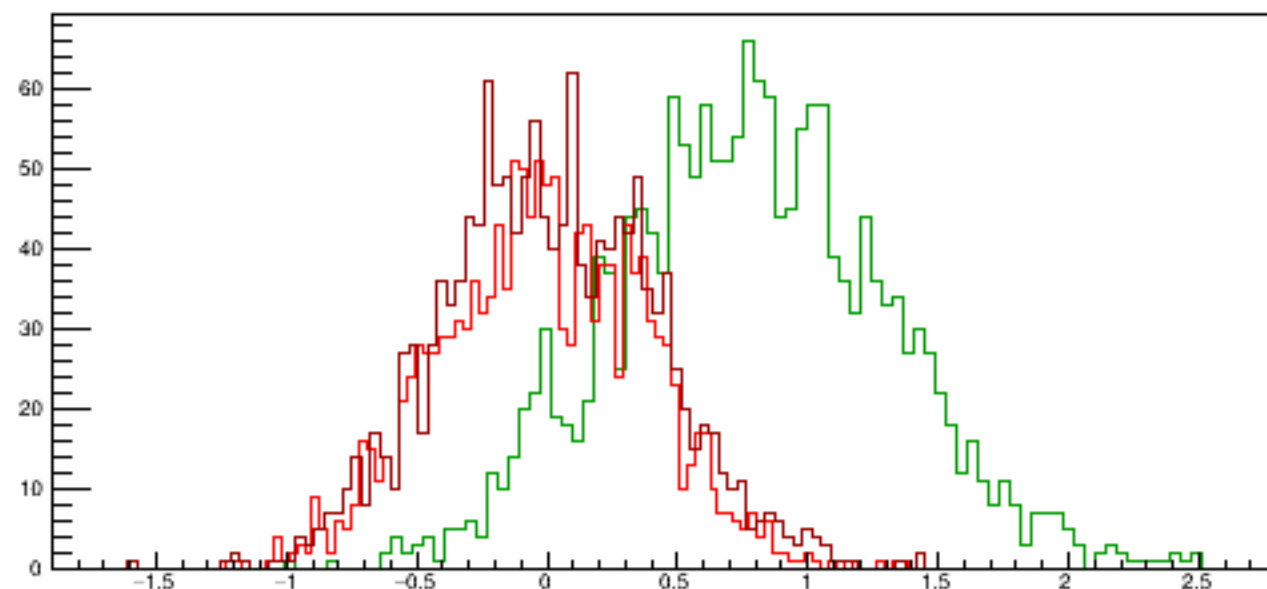
Std Dev: 0.5261 +/- 0.0088

Entries: 1462

Mean: 0.0082 +/- 0.0108

Std Dev: 0.4123 +/- 0.0076

Run 6086 quartetwise, Diffs



Cycle 5, Sums

Entries: 1462

Mean: 7.0822 +/- 0.0115

Std Dev: 0.4398 +/- 0.0081

Entries: 1802

Mean: 31.3365 +/- 0.0146

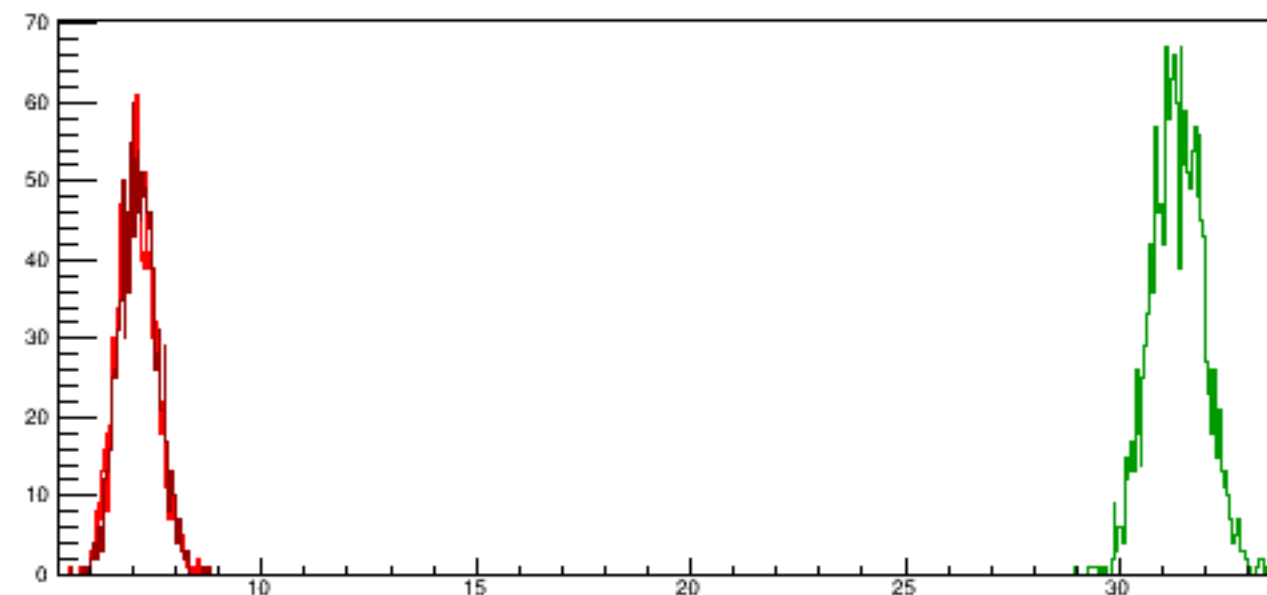
Std Dev: 0.6206 +/- 0.0103

Entries: 1462

Mean: 7.1319 +/- 0.0113

Std Dev: 0.4318 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 5, Asyms

Entries: 1462

Mean: -0.0007 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

Entries: 1802

Mean: 0.0321 +/- 0.0005

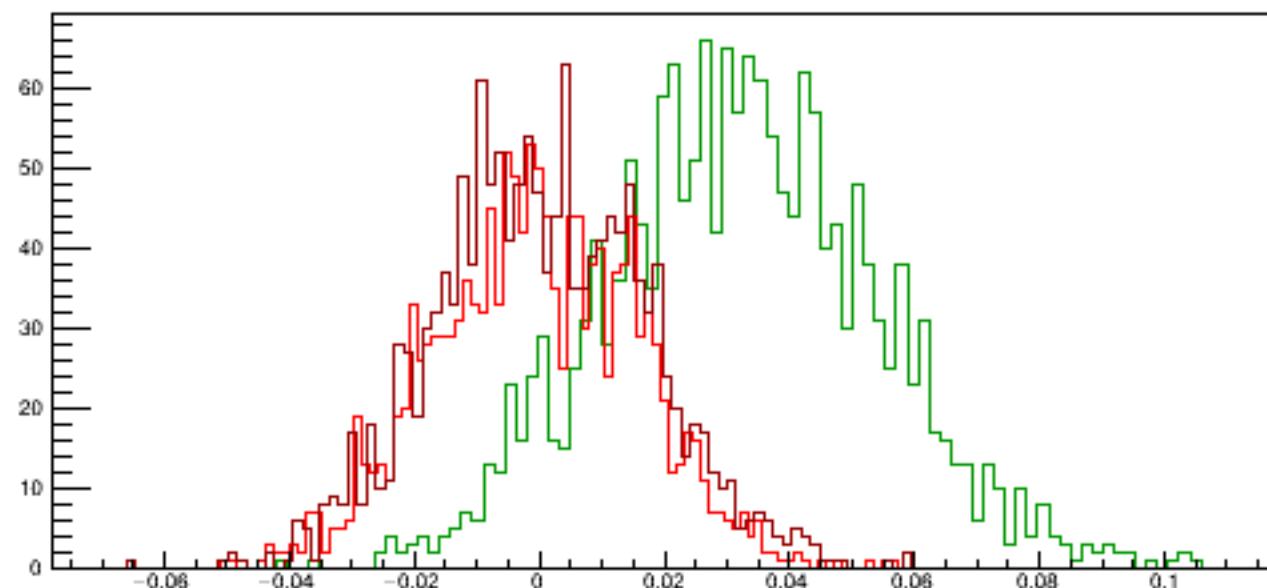
Std Dev: 0.0217 +/- 0.0004

Entries: 1462

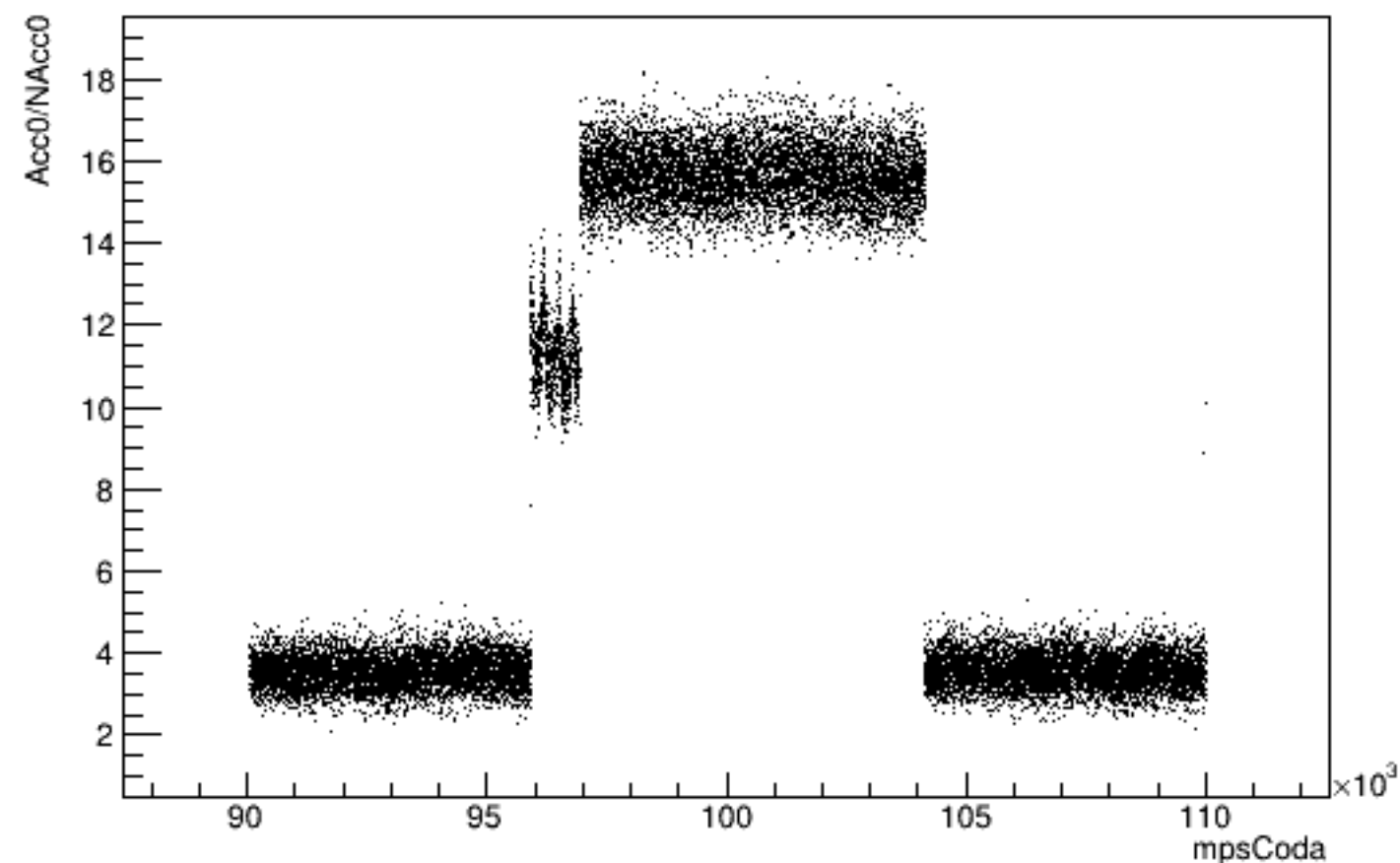
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

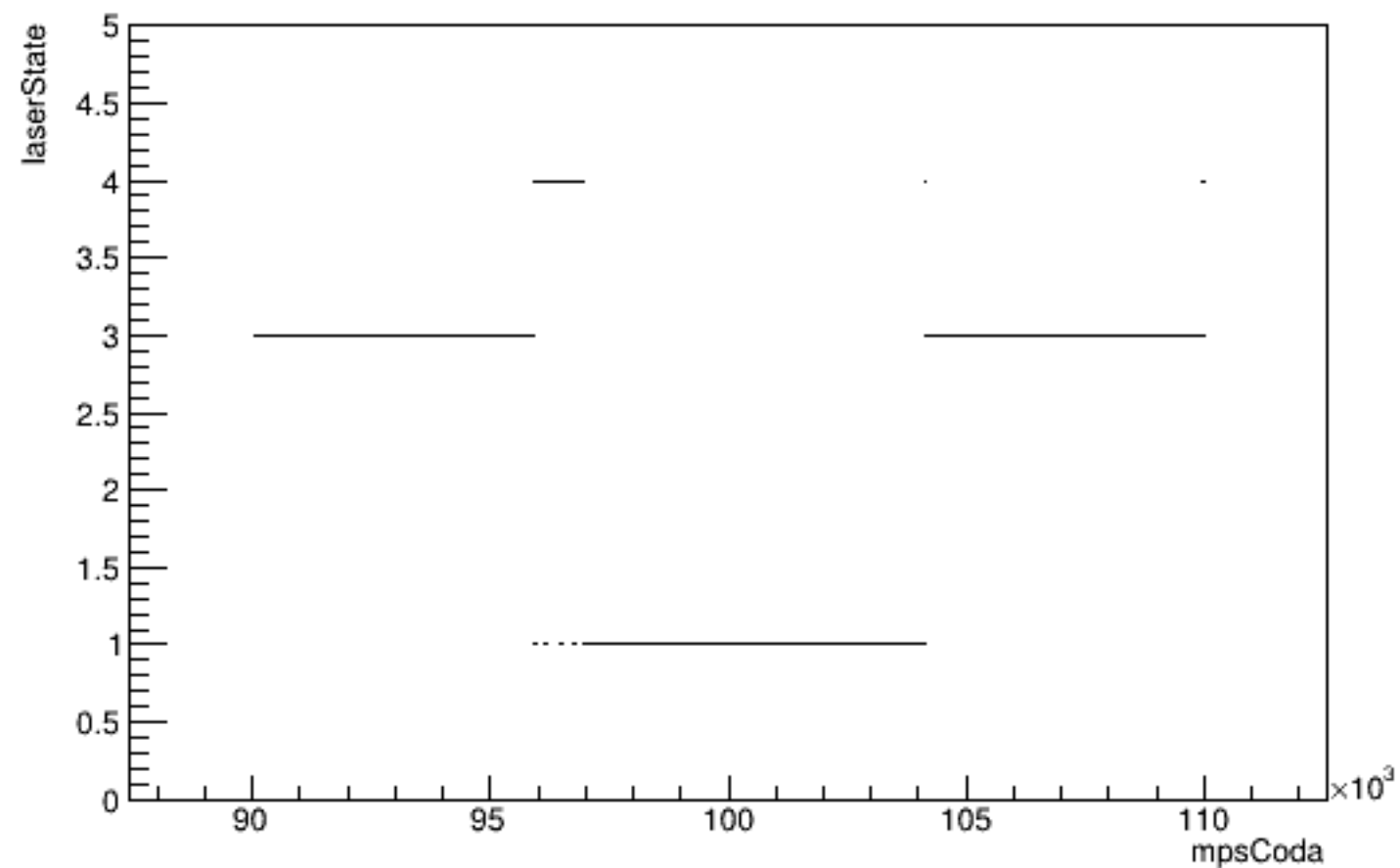
Run 6086 quartetwise, Asyms



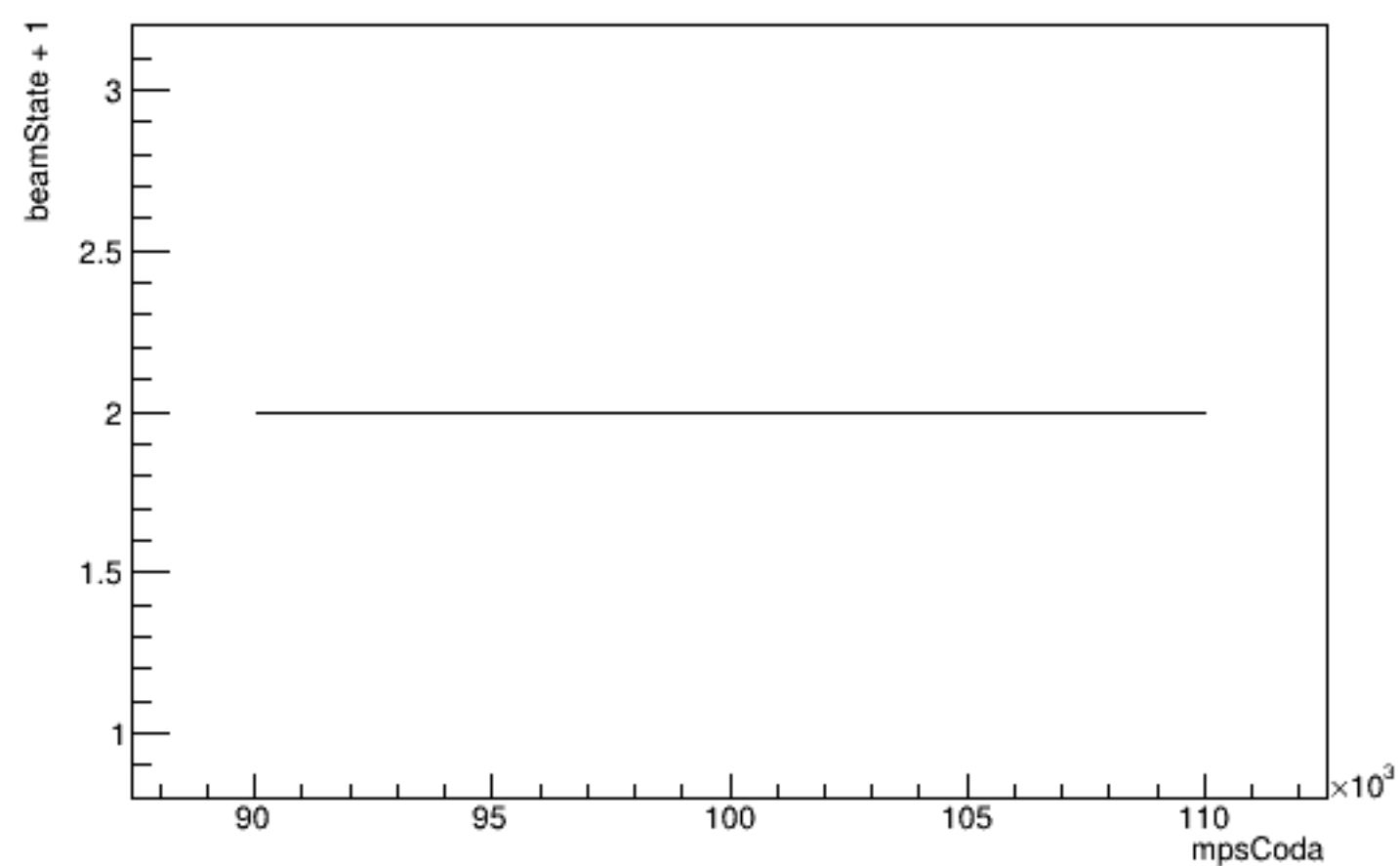
Acc0/NAcc0:mpsCoda {mpsCoda>=90058 && mpsCoda<=110005 && beamState==1}



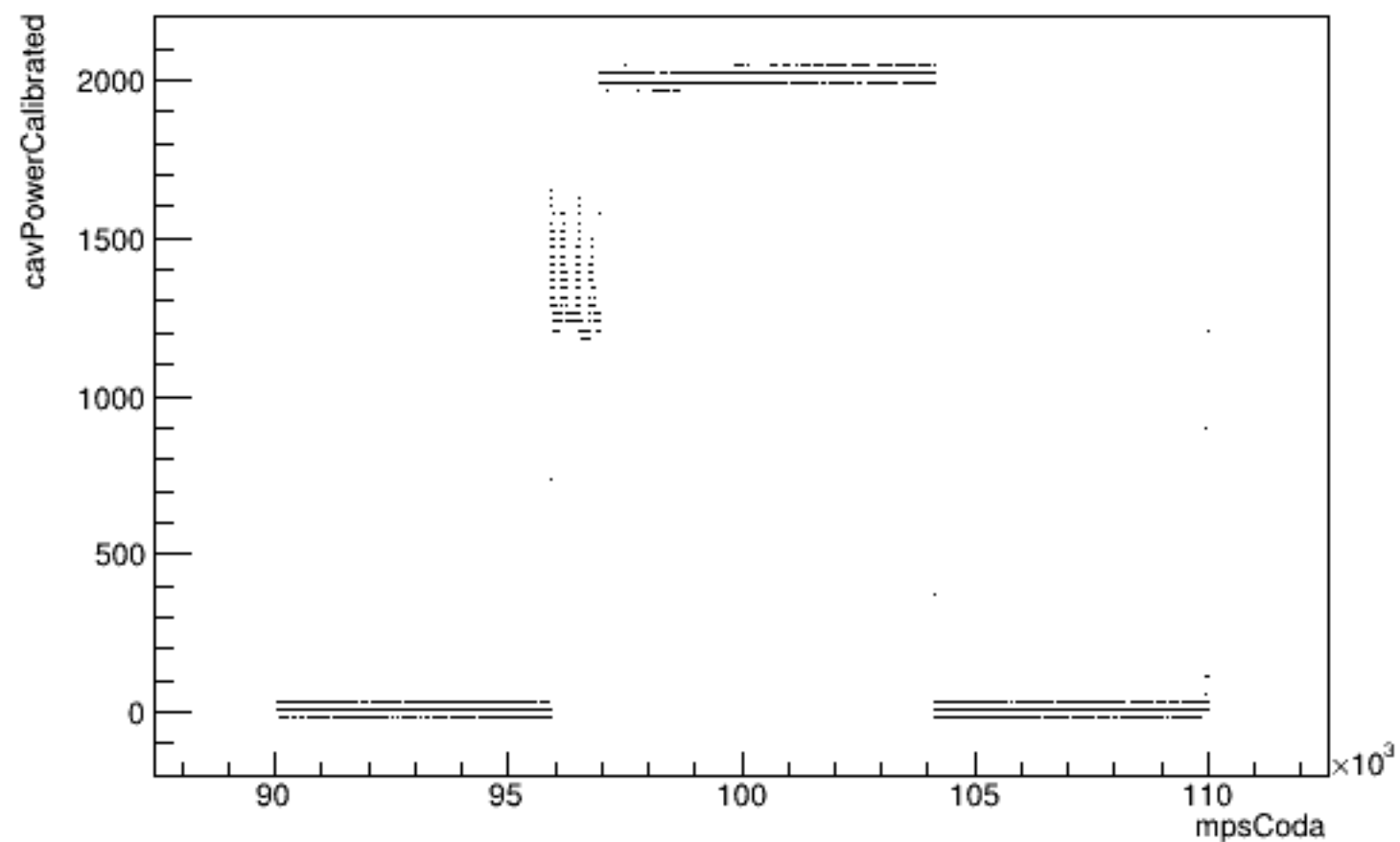
laserState:mpsCoda {mpsCoda>=90058 && mpsCoda<=110005}



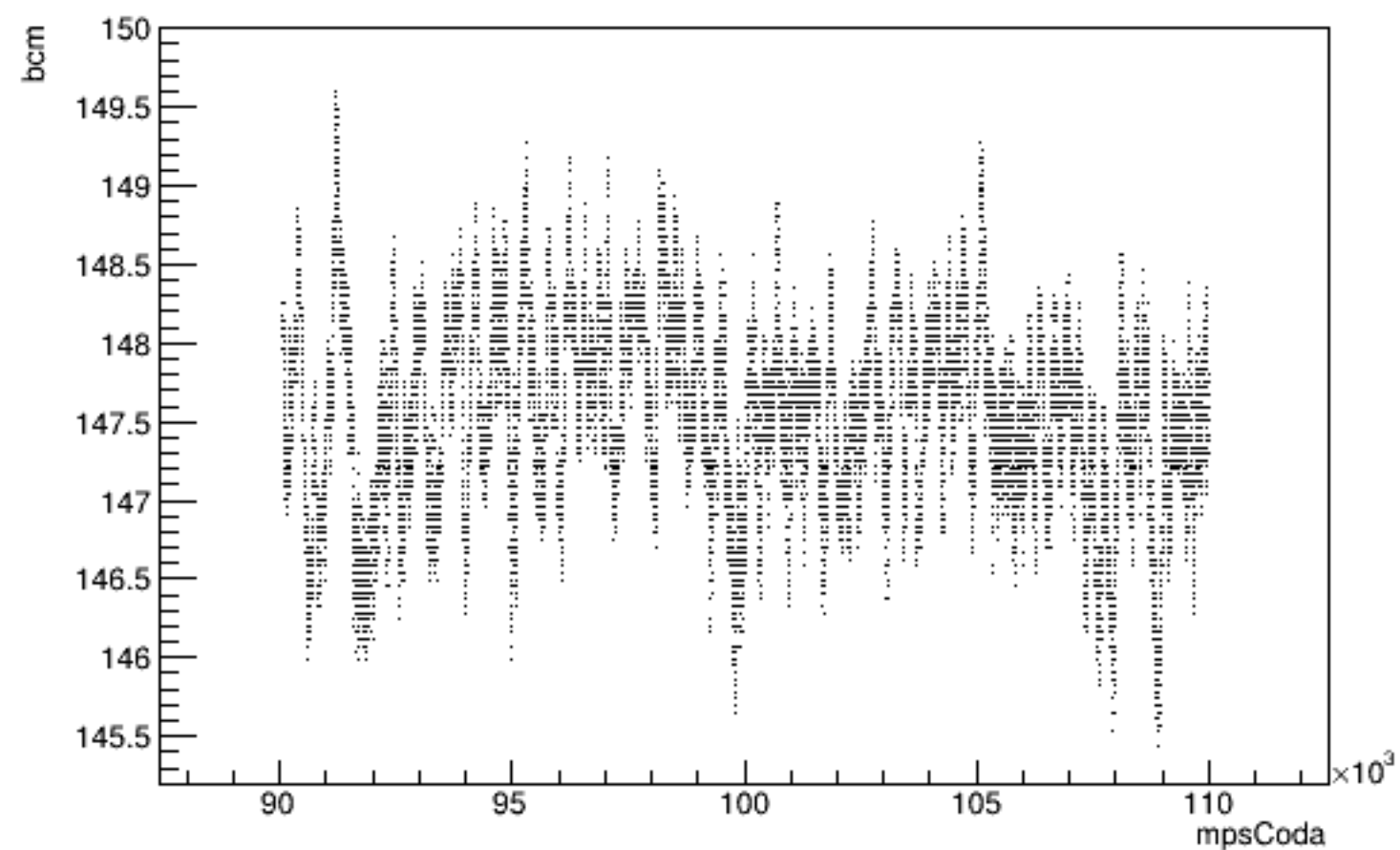
beamState + 1:mpsCoda {mpsCoda>=90058 && mpsCoda<=110005}



cavPowerCalibrated:mpsCoda {mpsCoda>=90058 && mpsCoda<=110005}



bcm:mpsCoda {mpsCoda>=90058 && mpsCoda<=110005}



Cycle 6, Diffs

Entries: 1462

Mean: 0.0082 +/- 0.0108

Std Dev: 0.4123 +/- 0.0076

Entries: 1801

Mean: 0.7673 +/- 0.0127

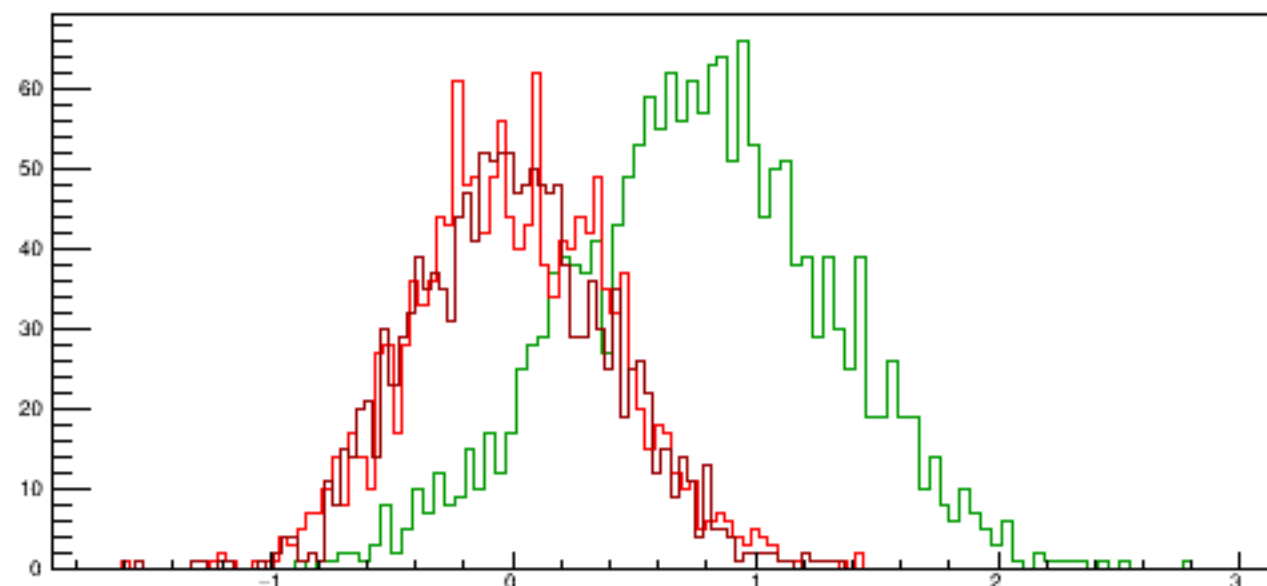
Std Dev: 0.5387 +/- 0.0090

Entries: 1464

Mean: -0.0018 +/- 0.0105

Std Dev: 0.4026 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 6, Sums

Entries: 1462

Mean: 7.1319 +/- 0.0113

Std Dev: 0.4318 +/- 0.0080

Entries: 1801

Mean: 31.1581 +/- 0.0149

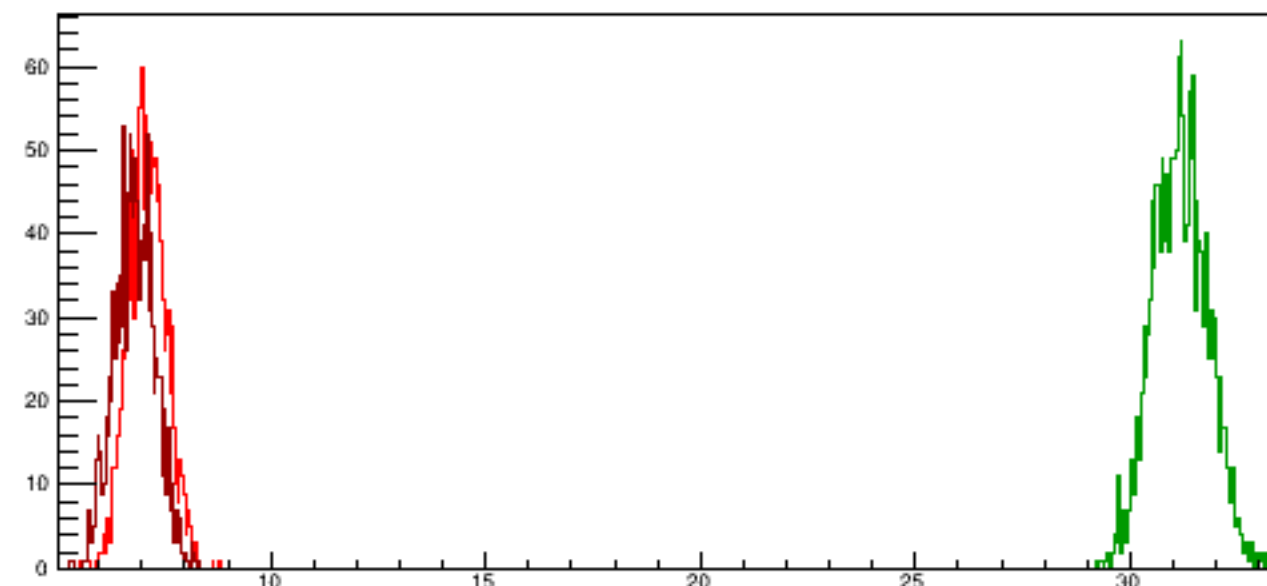
Std Dev: 0.6324 +/- 0.0105

Entries: 1464

Mean: 6.8403 +/- 0.0122

Std Dev: 0.4675 +/- 0.0086

Run 6086 quartetwise, Sums



Cycle 6, Asyms

Entries: 1462

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0171 +/- 0.0003

Entries: 1801

Mean: 0.0317 +/- 0.0005

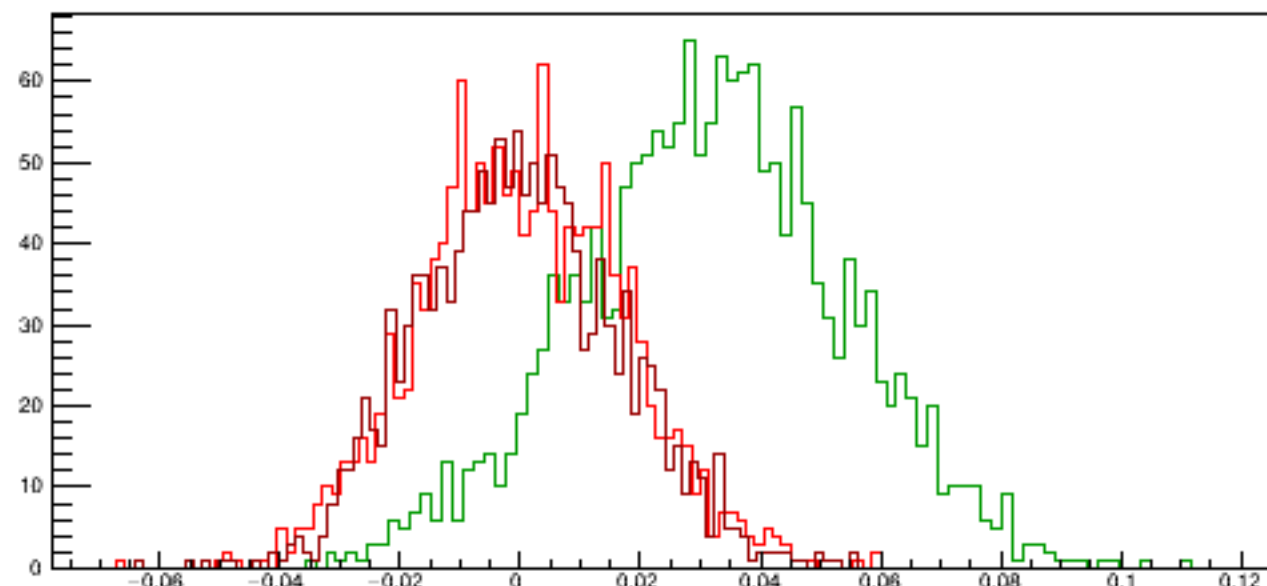
Std Dev: 0.0223 +/- 0.0004

Entries: 1464

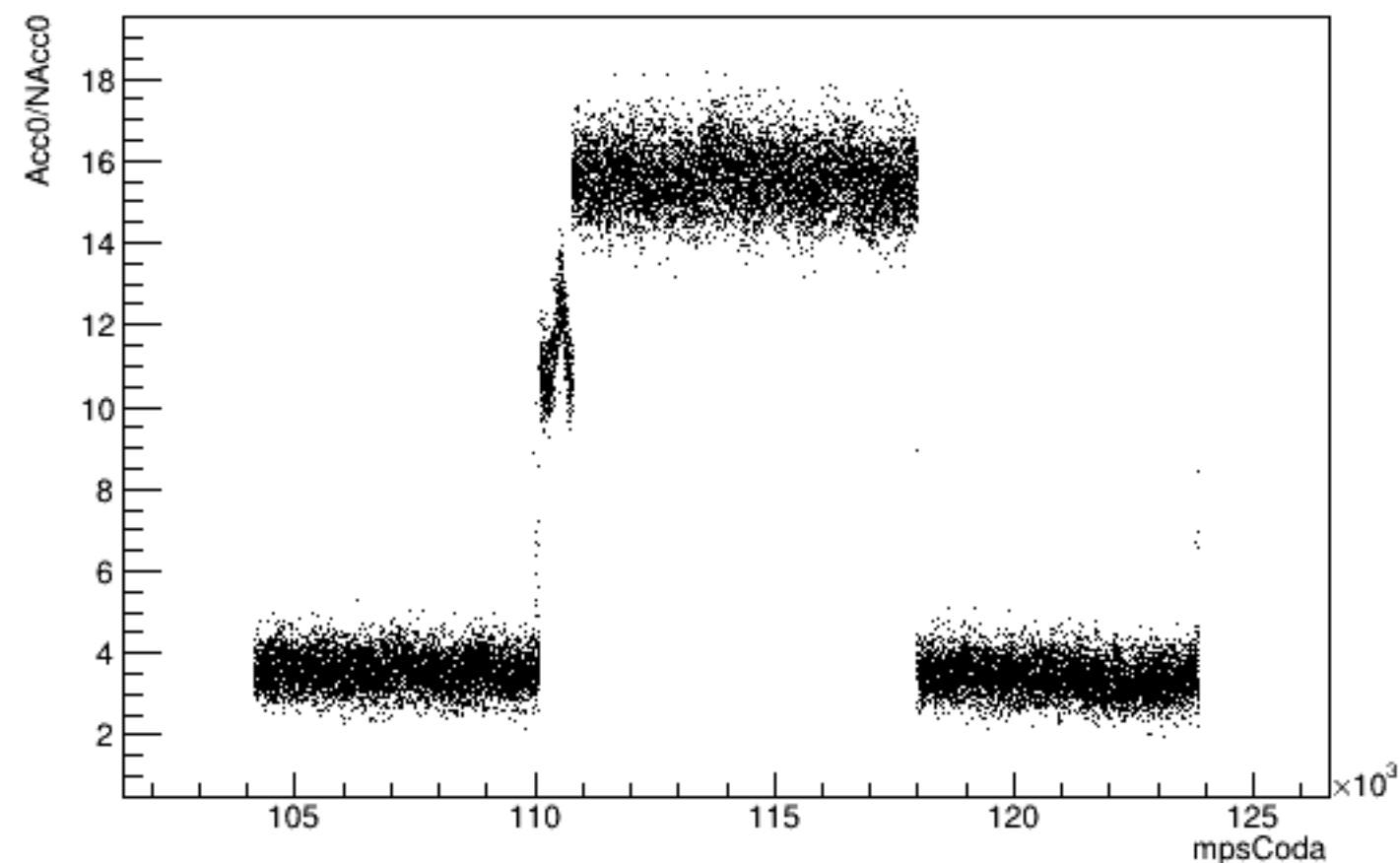
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

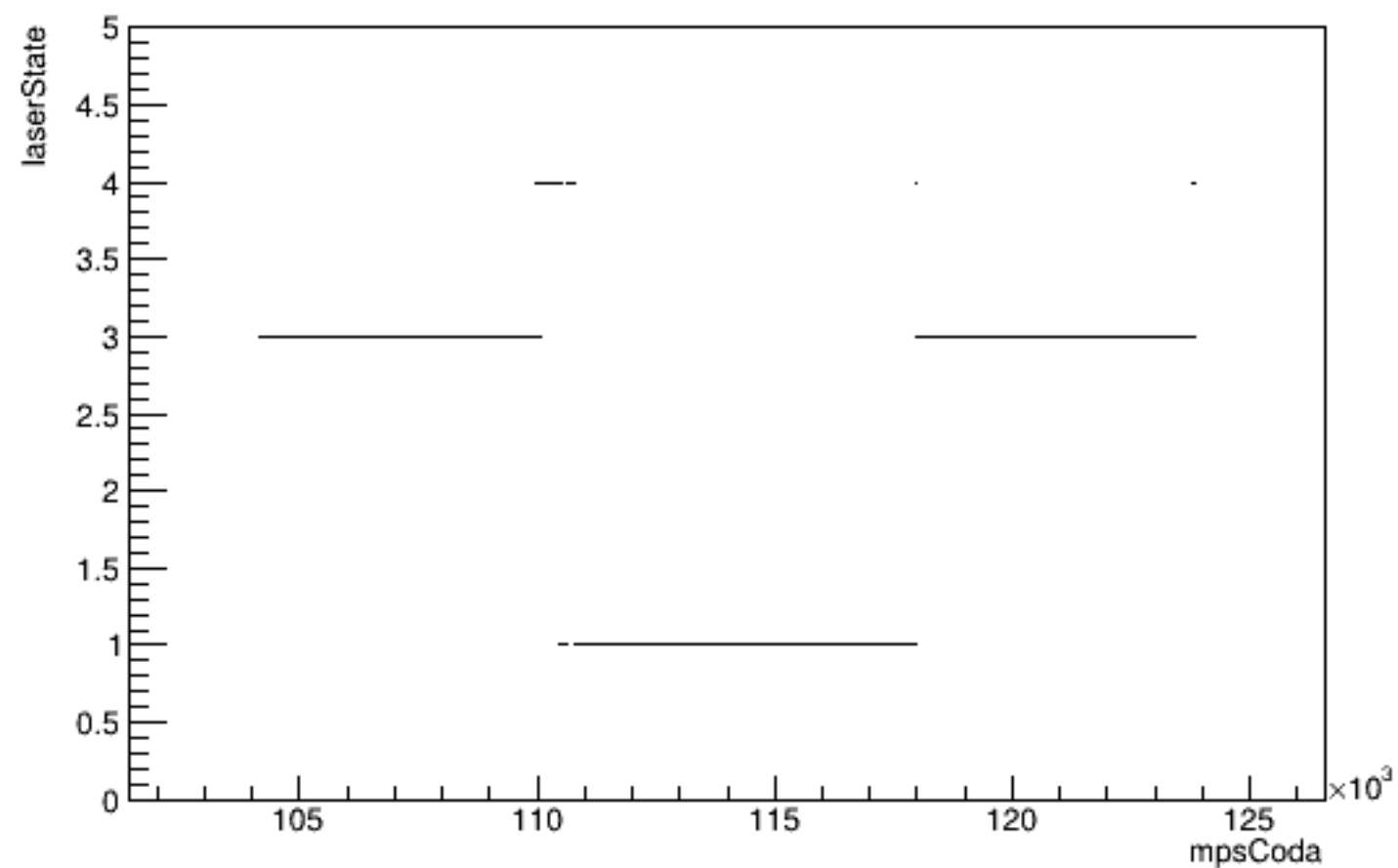
Run 6086 quartetwise, Asyms



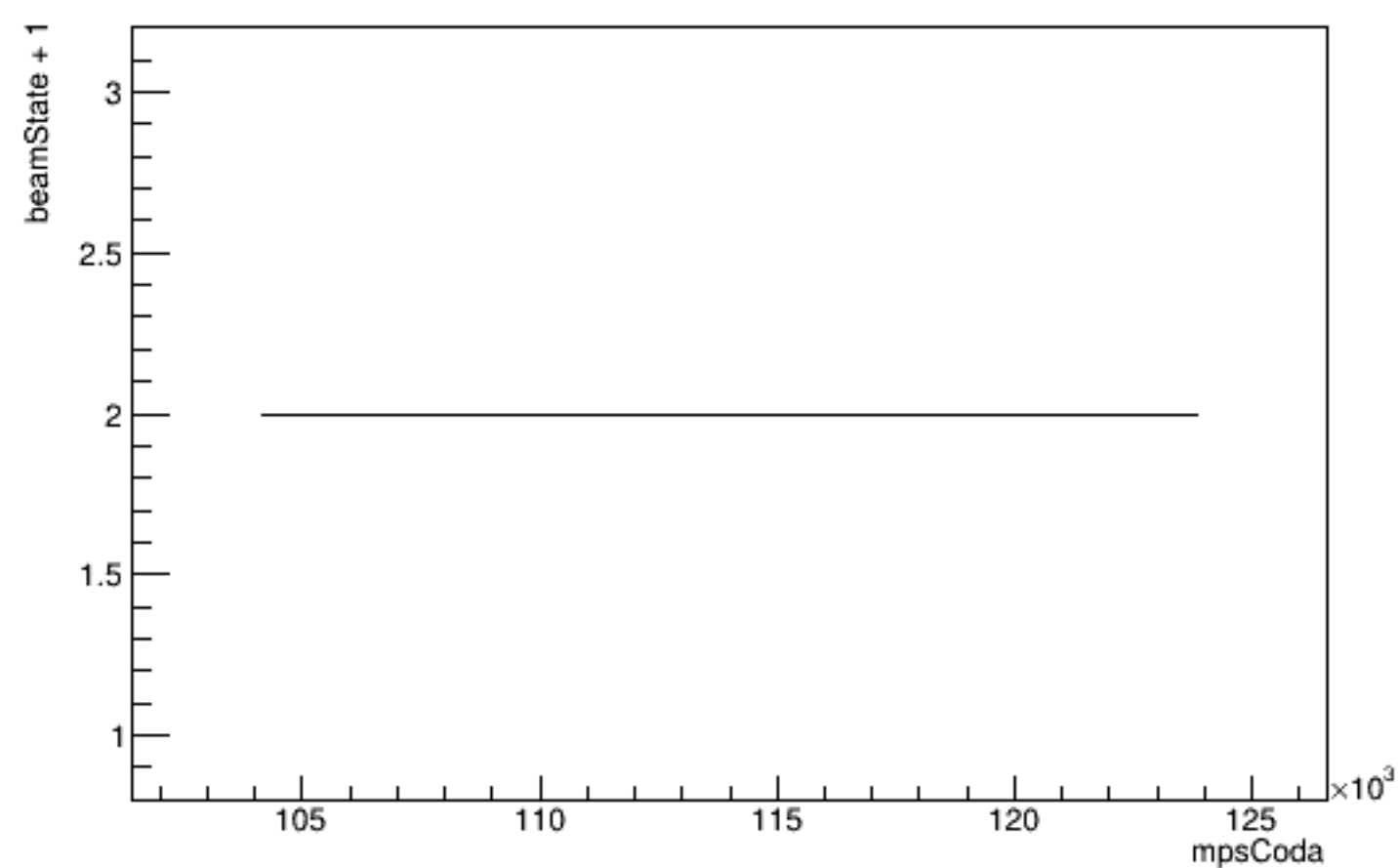
Acc0/NAcc0:mpsCoda (mpsCoda>=104146 && mpsCoda<=123861 && beamState==1)



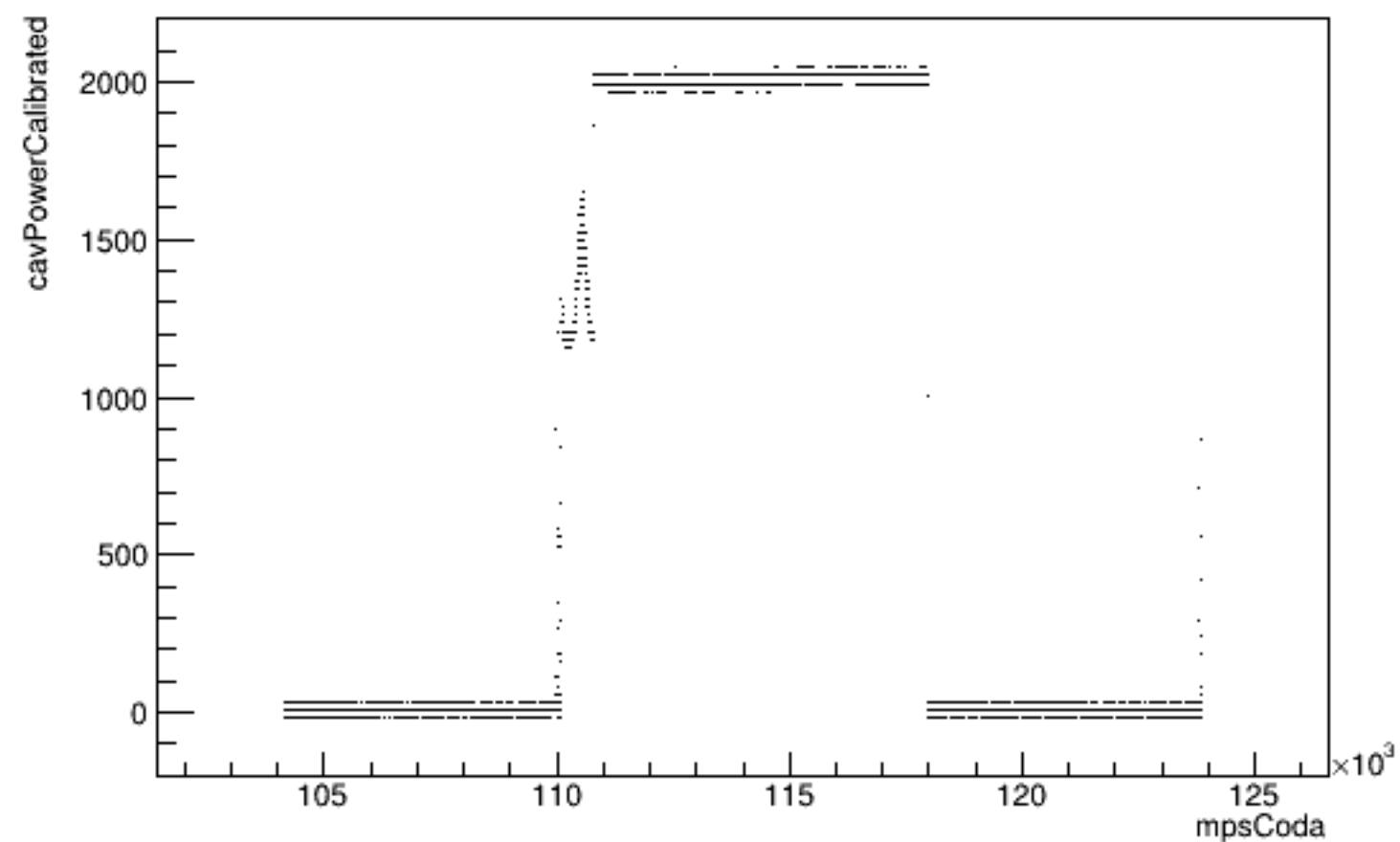
laserState:mpsCoda {mpsCoda>=104146 && mpsCoda<=123861}



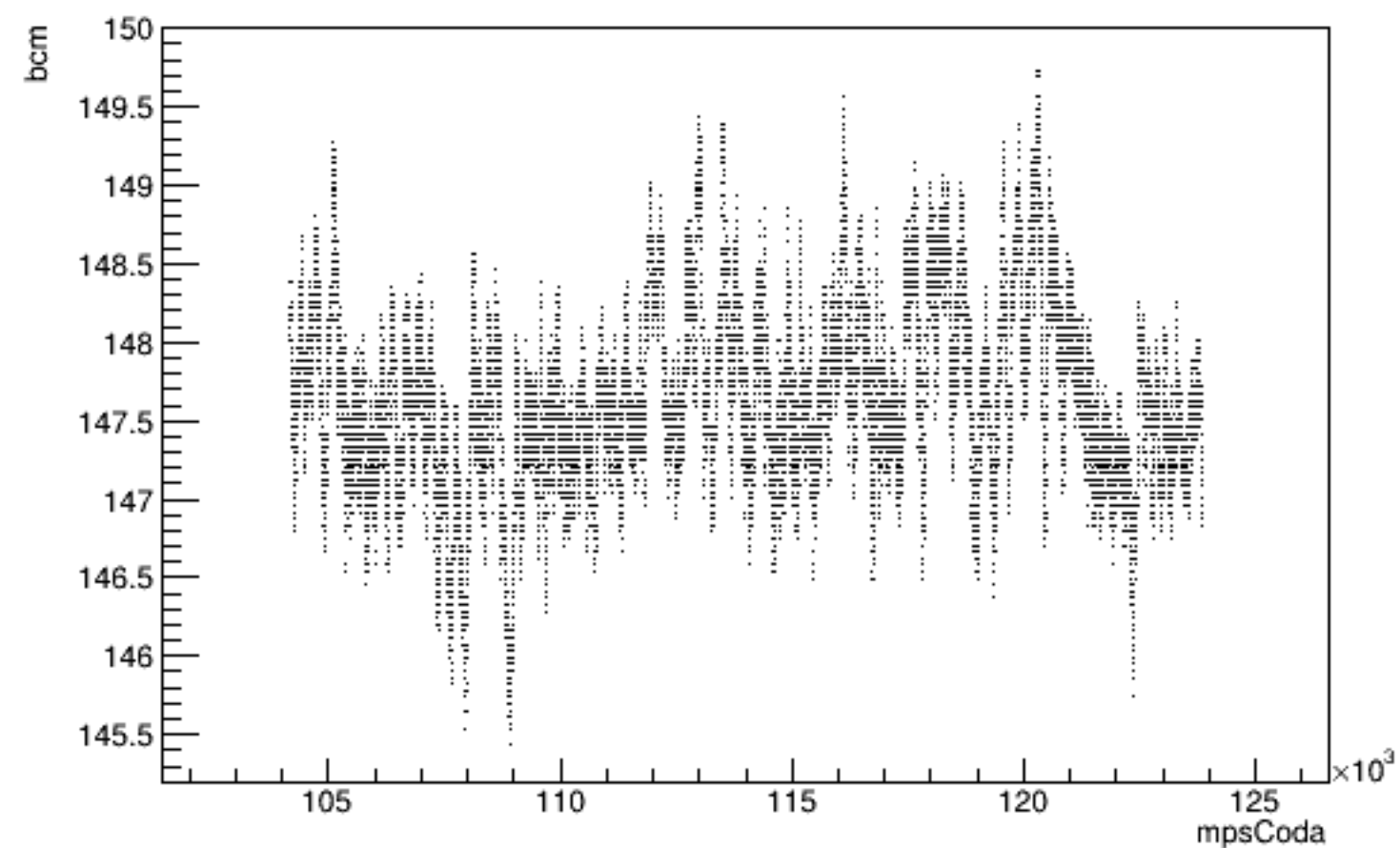
beamState + 1:mpsCoda {mpsCoda>=104146 && mpsCoda<=123861}



cavPowerCalibrated:mpsCoda {mpsCoda>=104146 && mpsCoda<=123861}



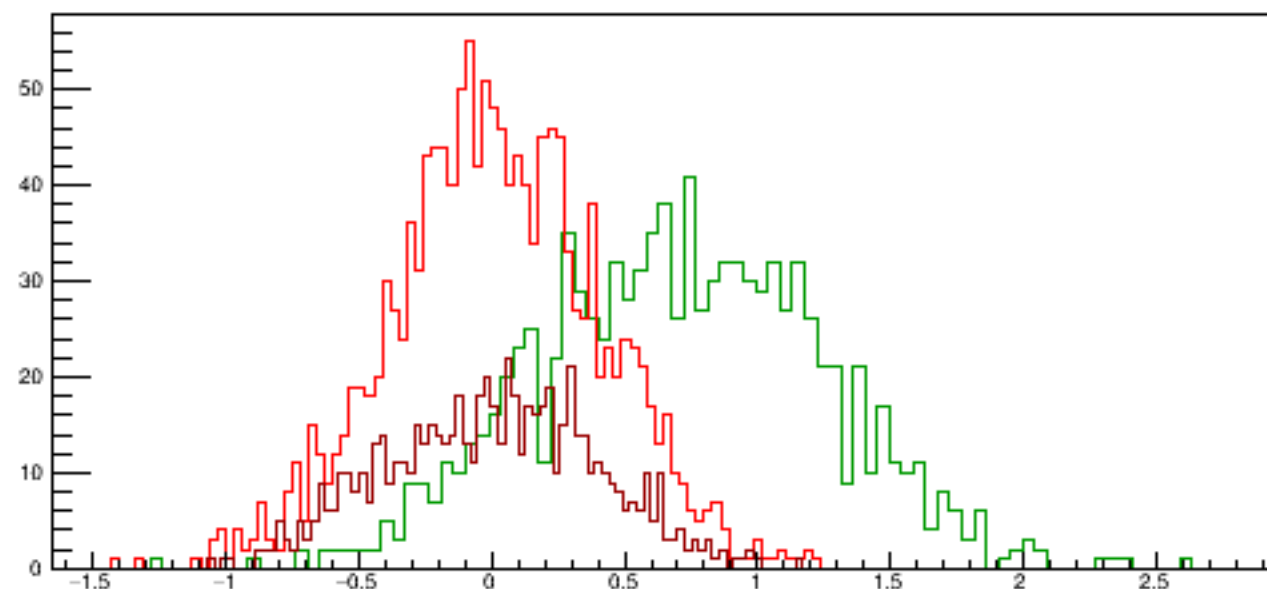
bcm:mpsCoda {mpsCoda>=104146 && mpsCoda<=123861}



Cycle 7, Diffs

Entries: 1461	Entries: 1024	Entries: 676
Mean: 0.0139 +/- 0.0103	Mean: 0.7075 +/- 0.0168	Mean: -0.0003 +/- 0.0152
Std Dev: 0.3929 +/- 0.0073	Std Dev: 0.5377 +/- 0.0119	Std Dev: 0.3946 +/- 0.0107

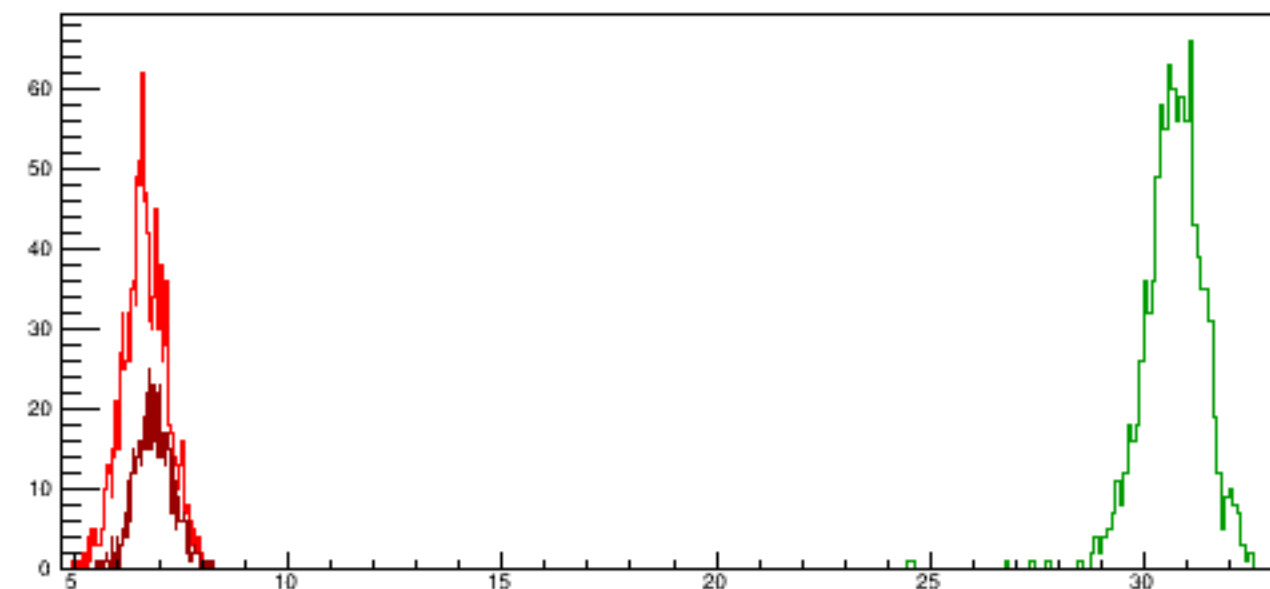
Run 6086 quartetwise, Diffs



Cycle 7, Sums

Entries: 1461	Entries: 1024	Entries: 676
Mean: 6.6545 +/- 0.0132	Mean: 30.6760 +/- 0.0229	Mean: 6.8682 +/- 0.0167
Std Dev: 0.5049 +/- 0.0093	Std Dev: 0.7324 +/- 0.0162	Std Dev: 0.4335 +/- 0.0118

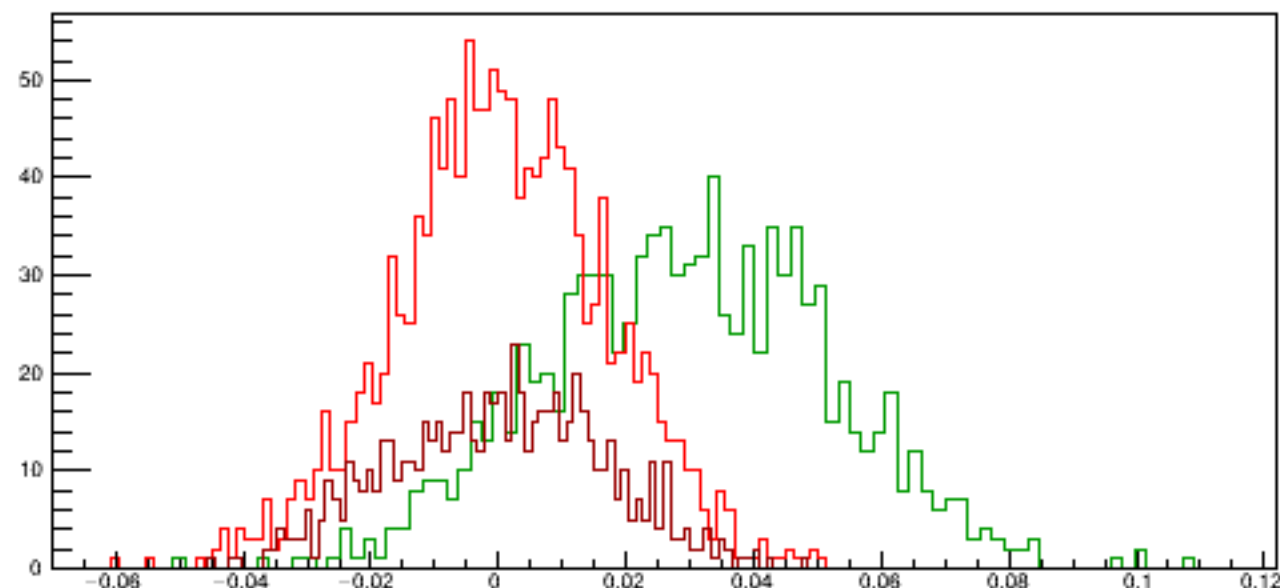
Run 6086 quartetwise, Sums



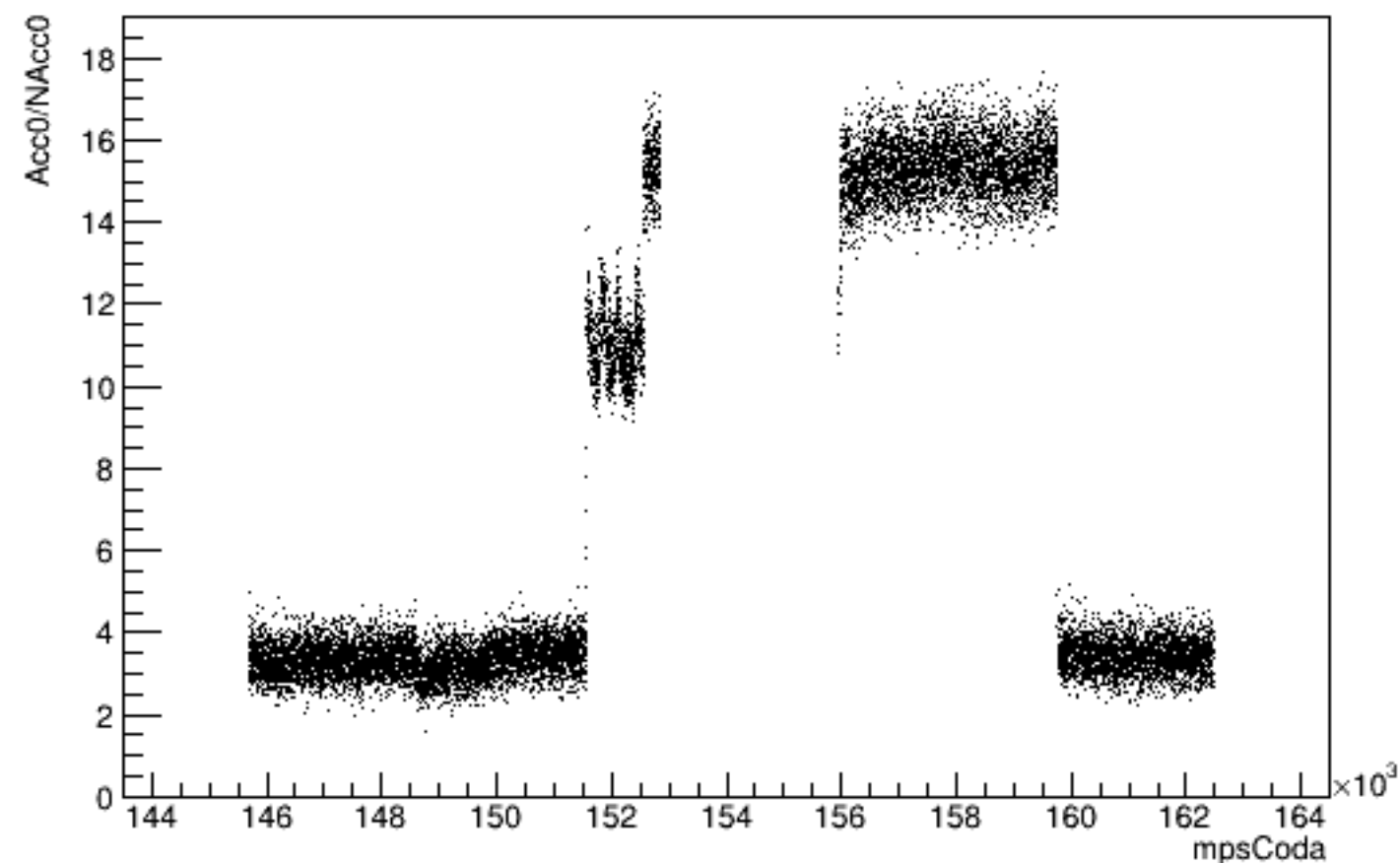
Cycle 7, Asyms

Entries: 1461	Entries: 1024	Entries: 676
Mean: 0.0006 +/- 0.0004	Mean: 0.0296 +/- 0.0007	Mean: -0.0000 +/- 0.0006
Std Dev: 0.0164 +/- 0.0003	Std Dev: 0.0224 +/- 0.0005	Std Dev: 0.0165 +/- 0.0004

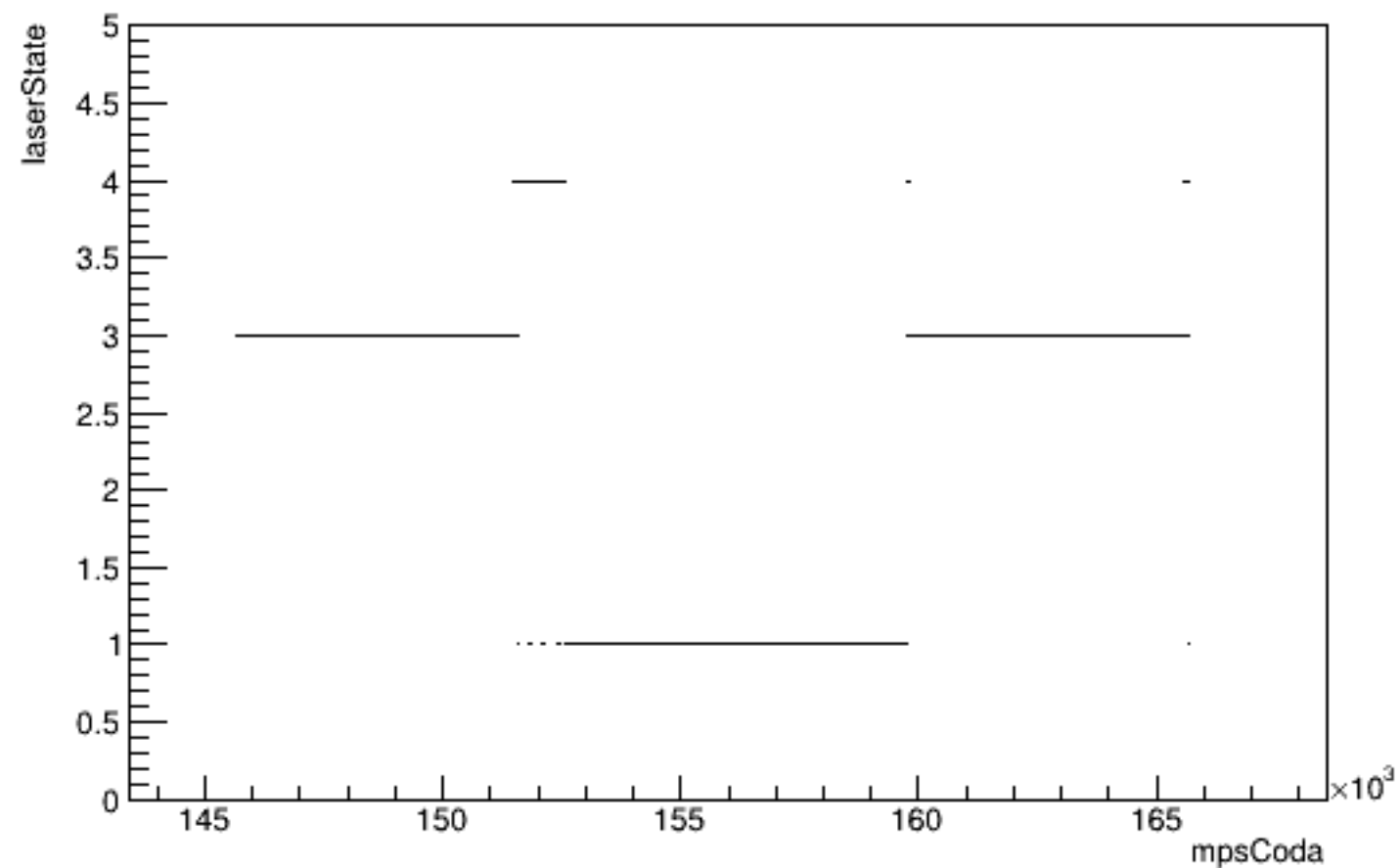
Run 6086 quartetwise, Asyms



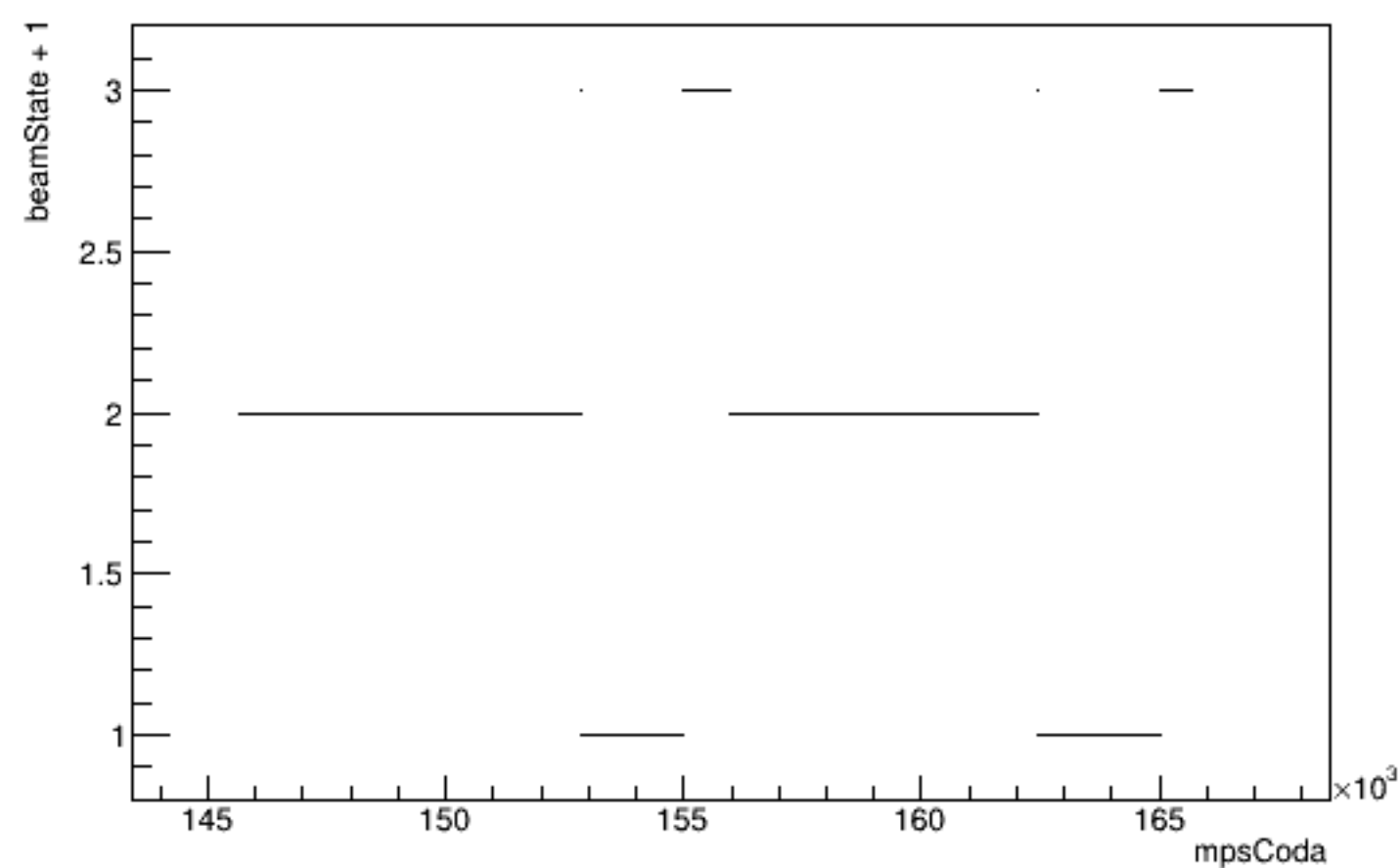
Acc0/NAcc0:mpsCoda (mpsCoda>=145682 && mpsCoda<=165673 && beamState==1)



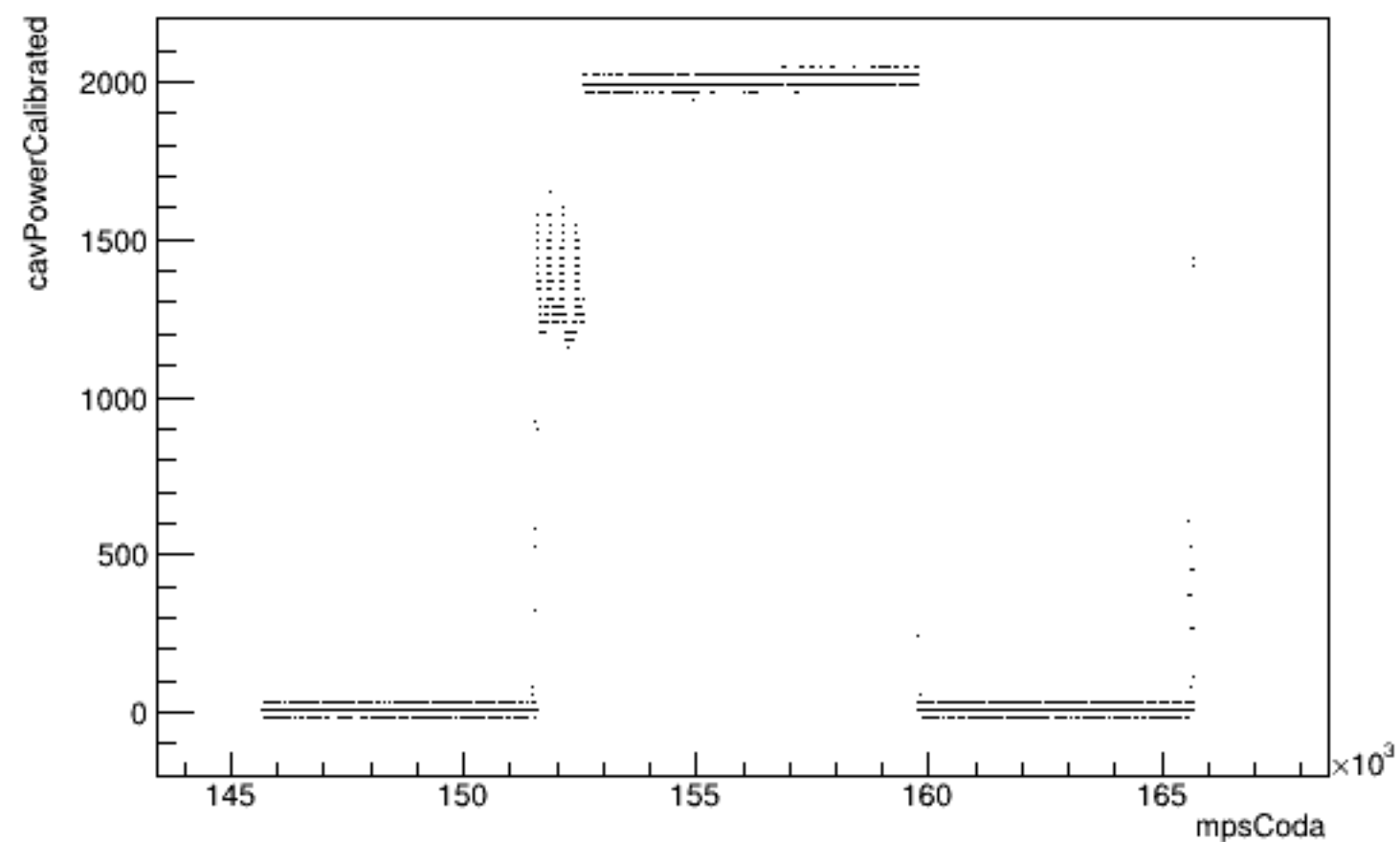
laserState:mpsCoda {mpsCoda>=145682 && mpsCoda<=165673}



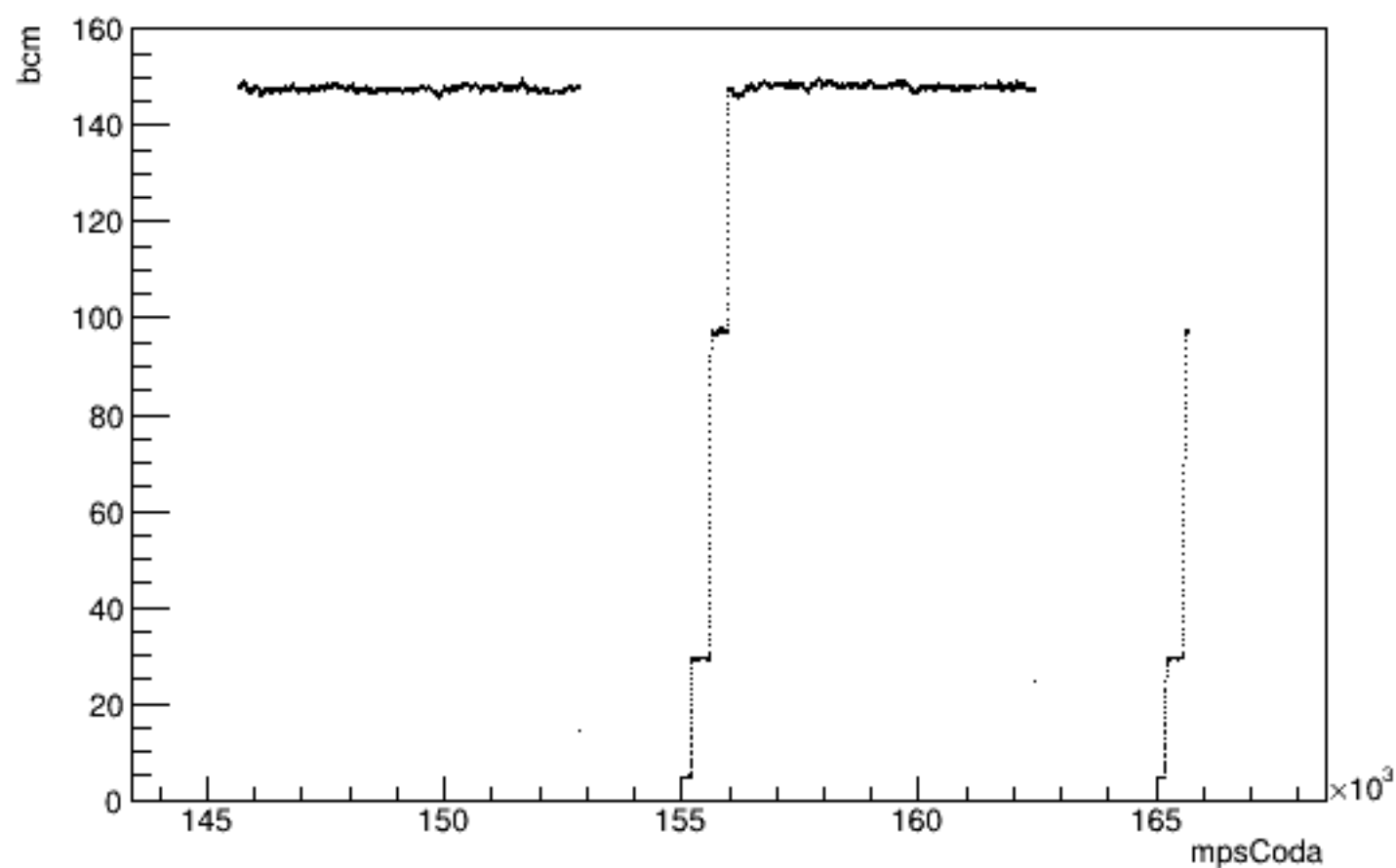
beamState + 1:mpsCoda {mpsCoda>=145682 && mpsCoda<=165673}



cavPowerCalibrated:mpsCoda {mpsCoda>=145682 && mpsCoda<=165673}



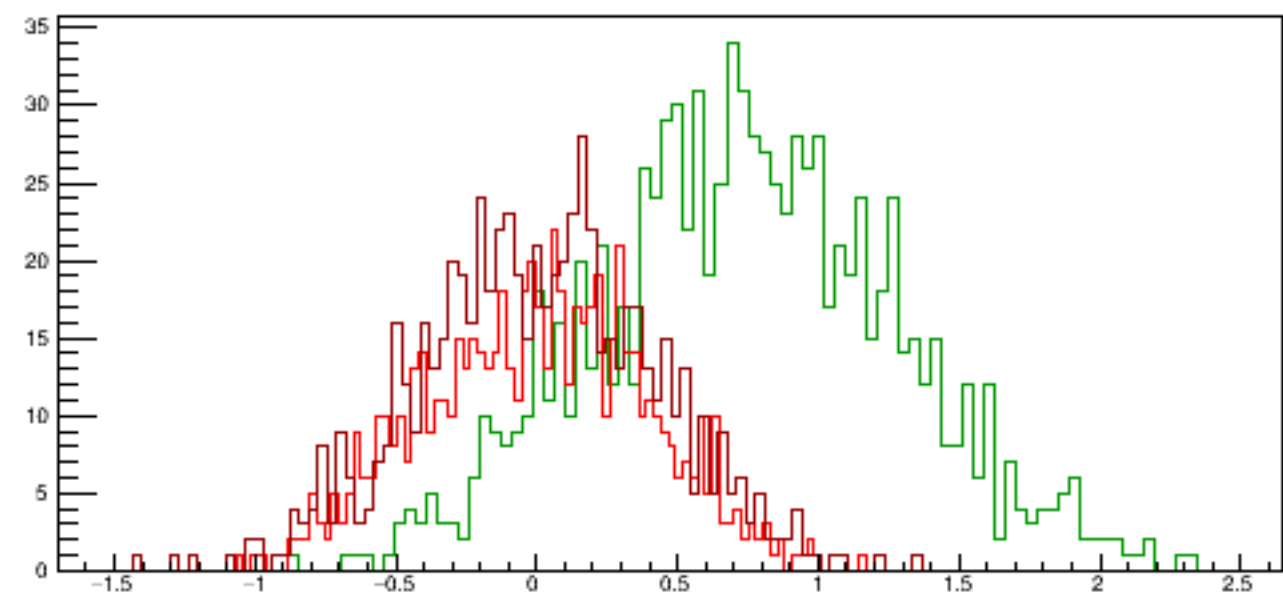
bcm:mpsCoda {mpsCoda>=145682 && mpsCoda<=165673}



Cycle 8, Diffs

Entries: 676	Entries: 975	Entries: 678
Mean: -0.0003 +/- 0.0152	Mean: 0.7412 +/- 0.0172	Mean: 0.0012 +/- 0.0161
Std Dev: 0.3946 +/- 0.0107	Std Dev: 0.5378 +/- 0.0122	Std Dev: 0.4190 +/- 0.0114

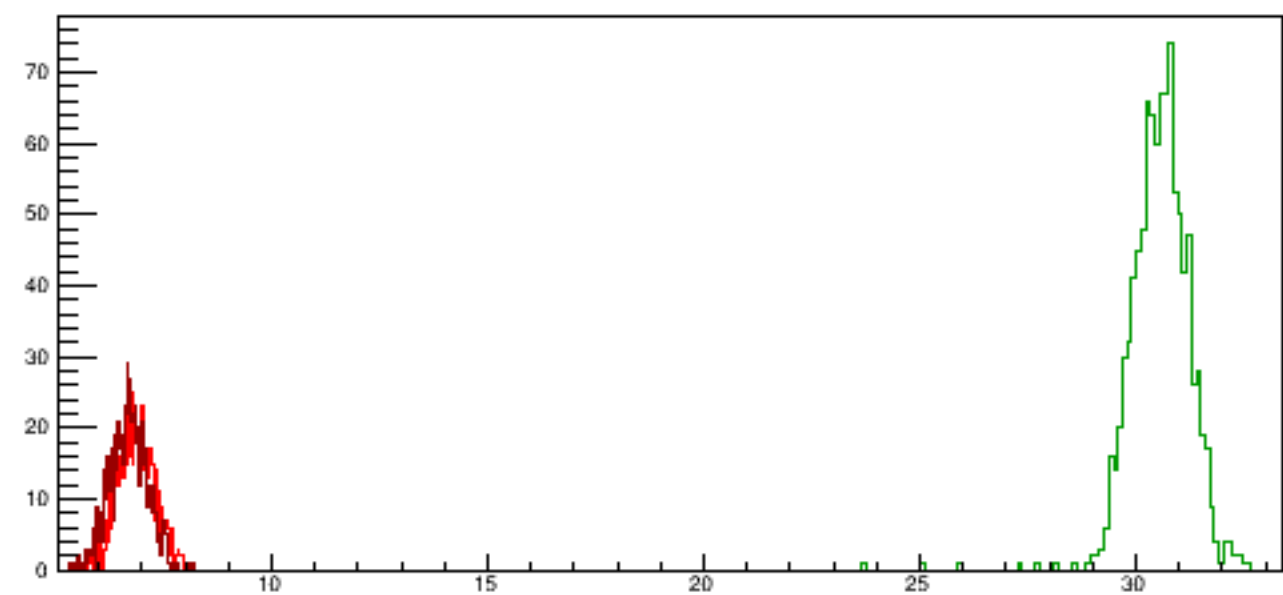
Run 6086 quartetwise, Diffs



Cycle 8, Sums

Entries: 676	Entries: 975	Entries: 678
Mean: 6.8682 +/- 0.0167	Mean: 30.5633 +/- 0.0224	Mean: 6.6878 +/- 0.0164
Std Dev: 0.4335 +/- 0.0118	Std Dev: 0.6986 +/- 0.0158	Std Dev: 0.4263 +/- 0.0116

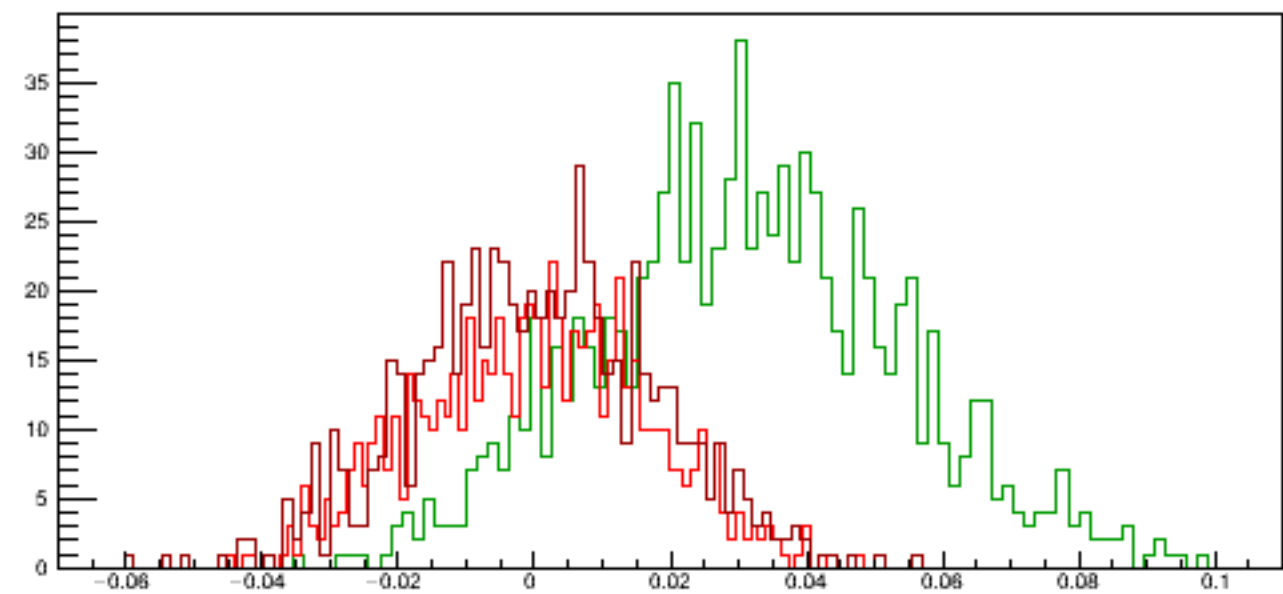
Run 6086 quartetwise, Sums



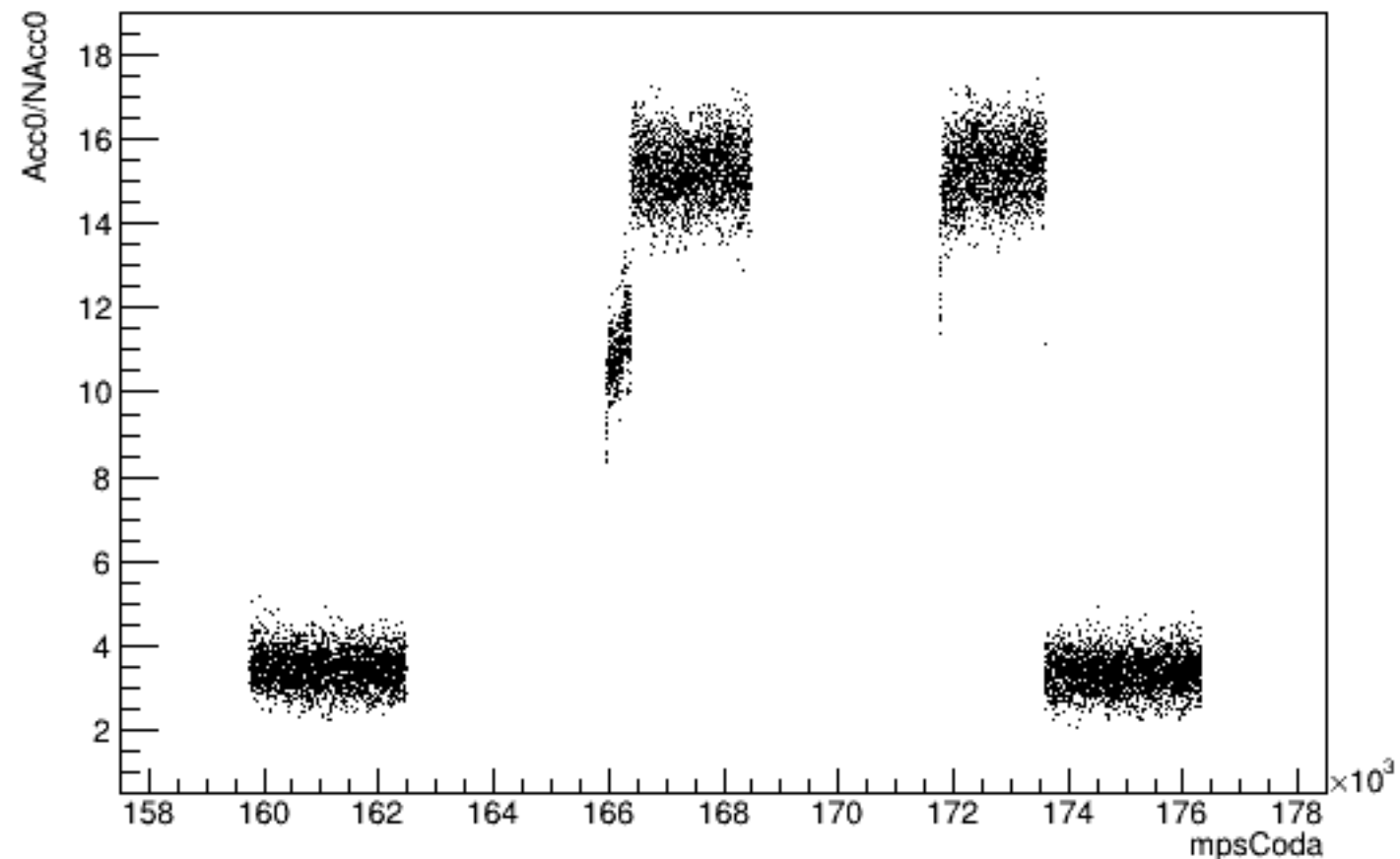
Cycle 8, Asyms

Entries: 676	Entries: 975	Entries: 678
Mean: -0.0000 +/- 0.0006	Mean: 0.0312 +/- 0.0007	Mean: 0.0001 +/- 0.0007
Std Dev: 0.0166 +/- 0.0005	Std Dev: 0.0227 +/- 0.0005	Std Dev: 0.0176 +/- 0.0005

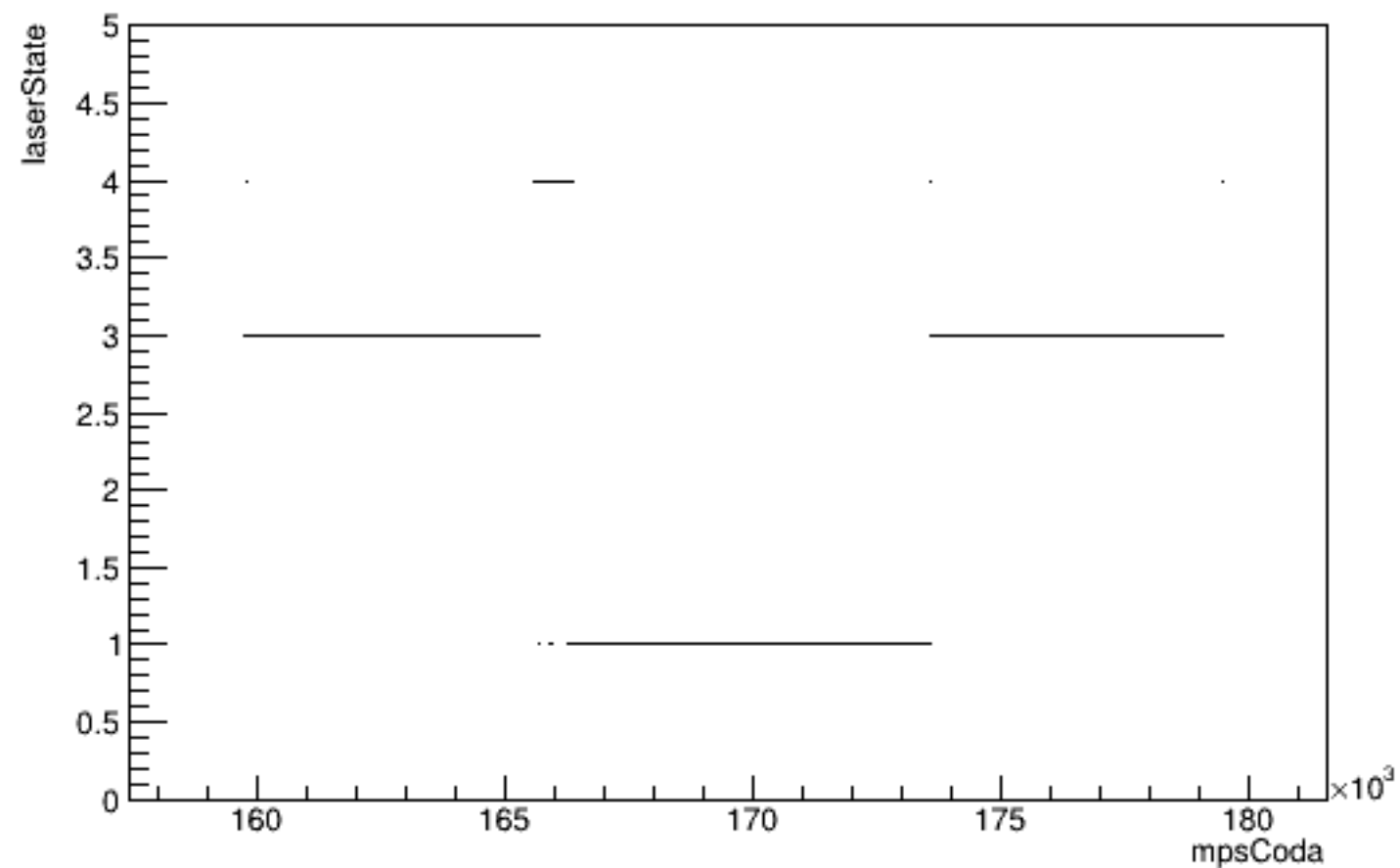
Run 6086 quartetwise, Asyms



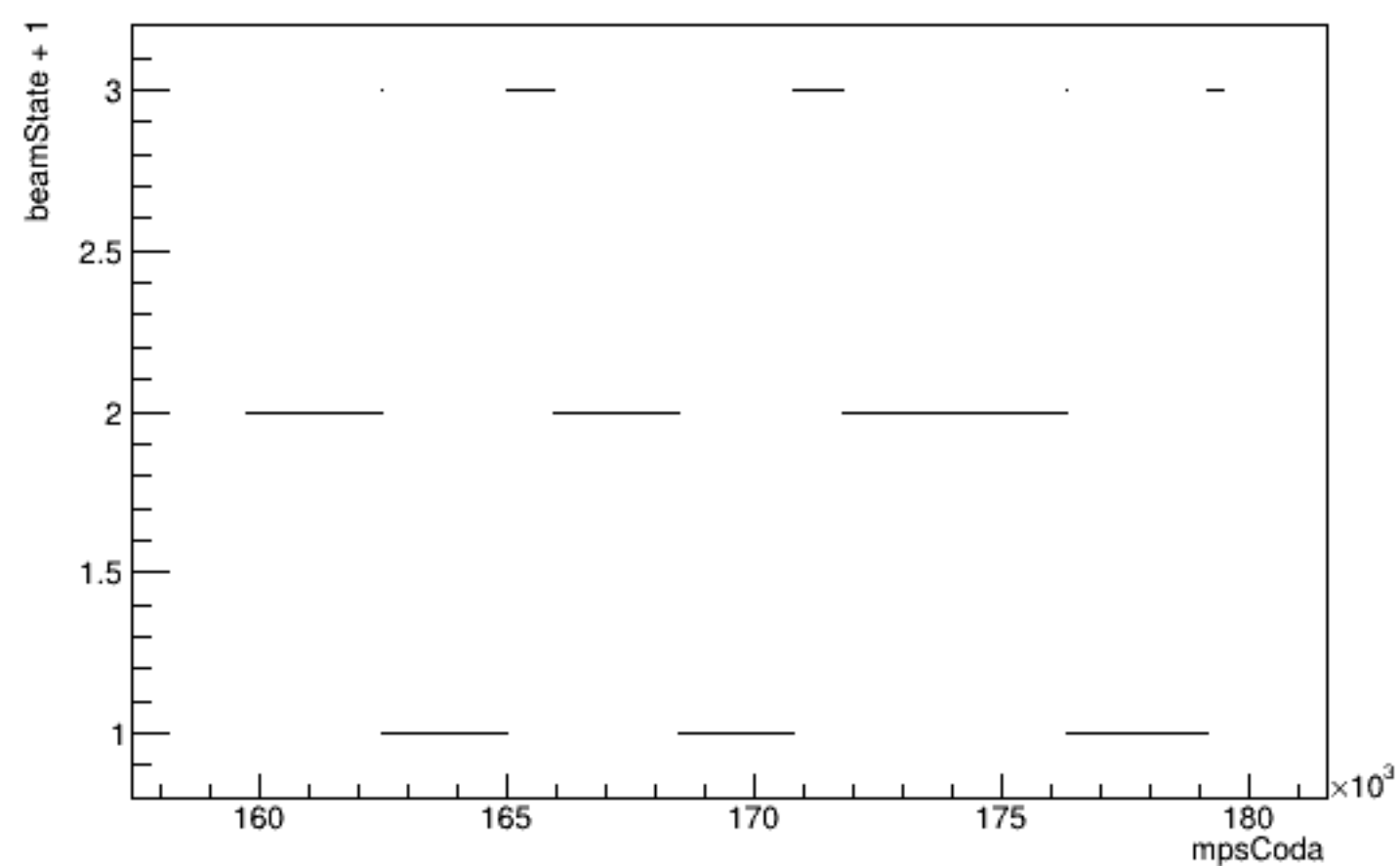
Acc0/NAcc0:mpsCoda (mpsCoda>=159762 && mpsCoda<=179449 && beamState==1)



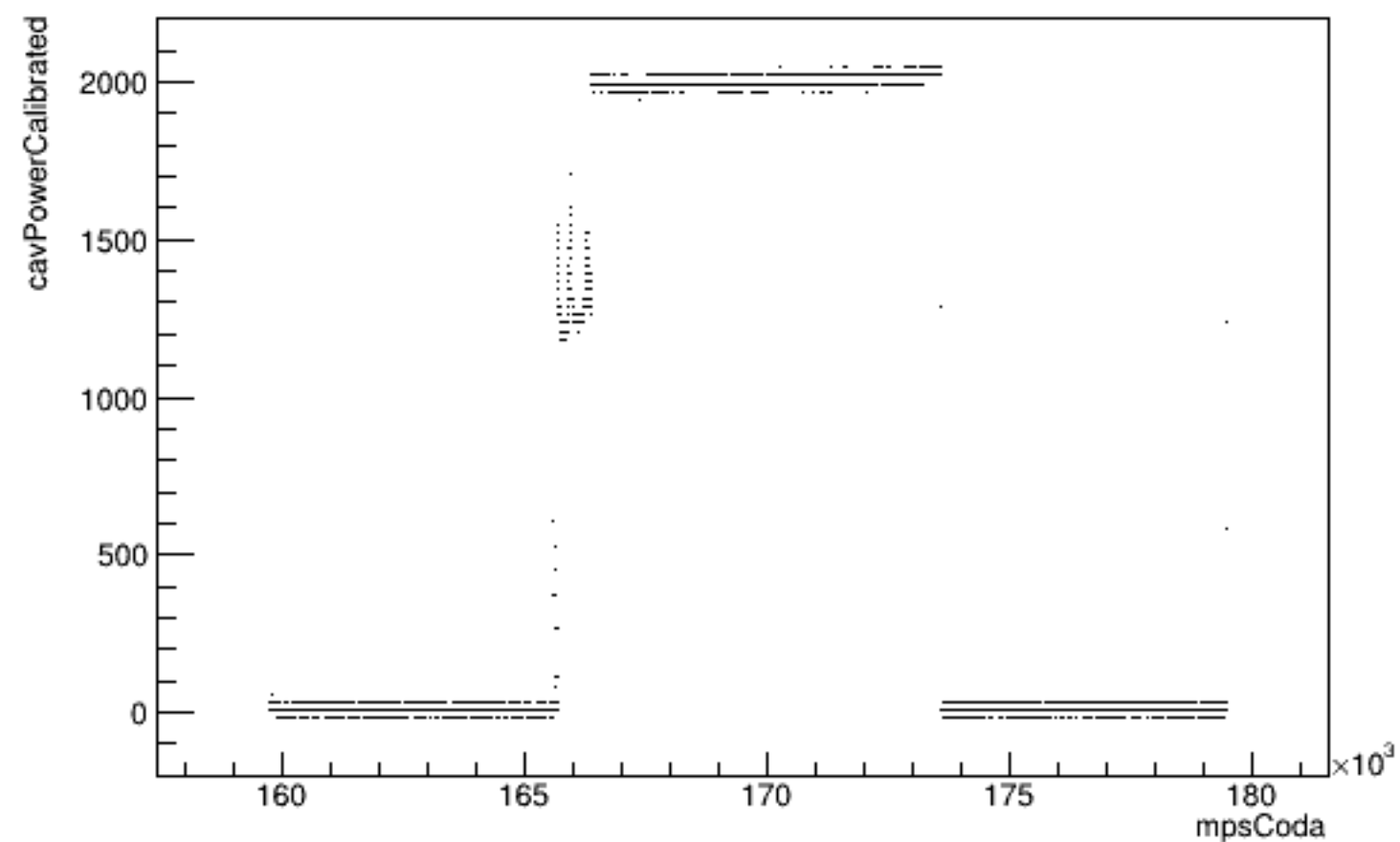
laserState:mpsCoda {mpsCoda>=159762 && mpsCoda<=179449}



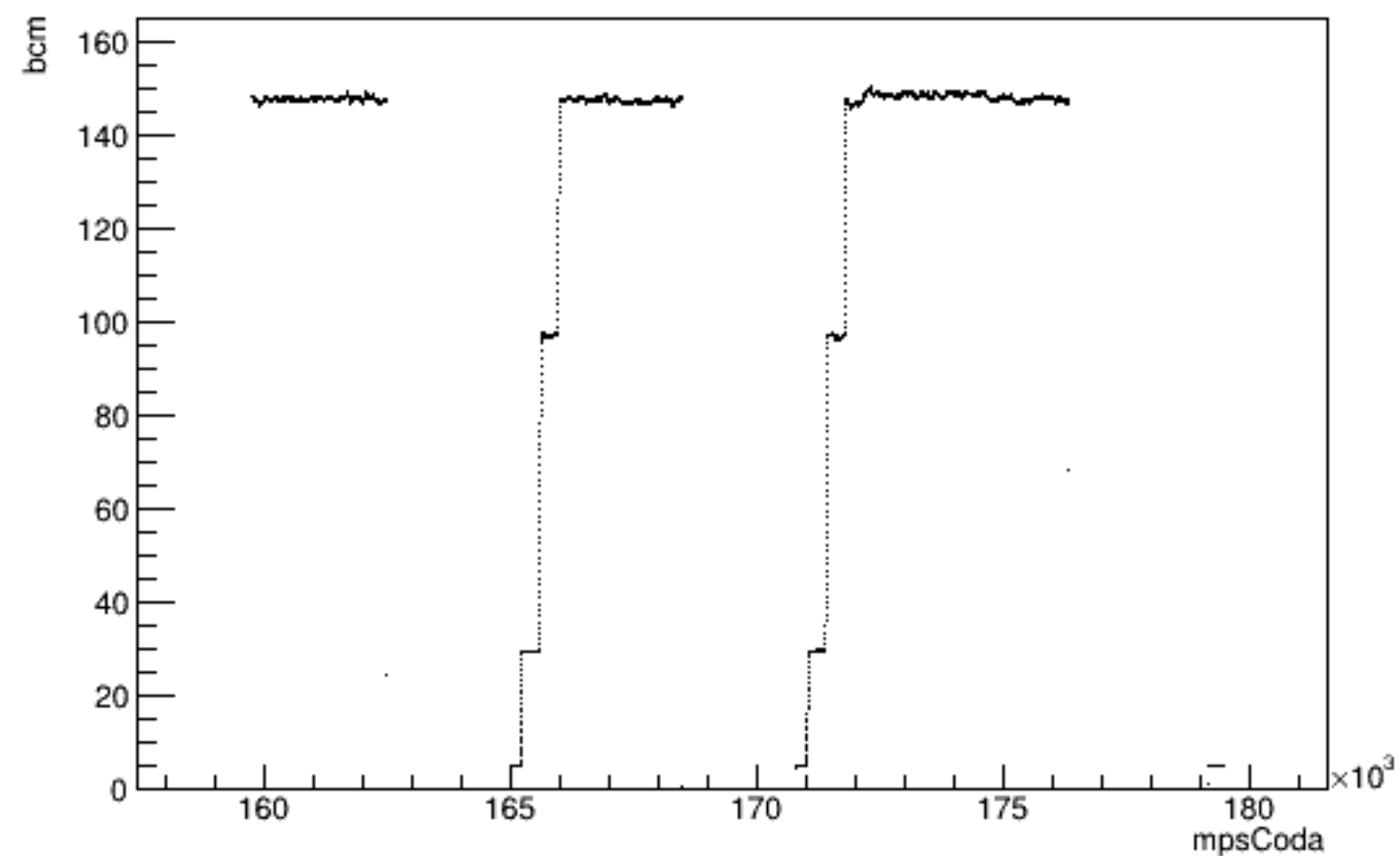
beamState + 1:mpsCoda {mpsCoda>=159762 && mpsCoda<=179449}



cavPowerCalibrated:mpsCoda {mpsCoda>=159762 && mpsCoda<=179449}



bcm:mpsCoda {mpsCoda>=159762 && mpsCoda<=179449}



Cycle 9, Diffs

Entries: 1166

Mean: -0.0086 +/- 0.0120

Std Dev: 0.4081 +/- 0.0085

Entries: 1448

Mean: 0.7422 +/- 0.0138

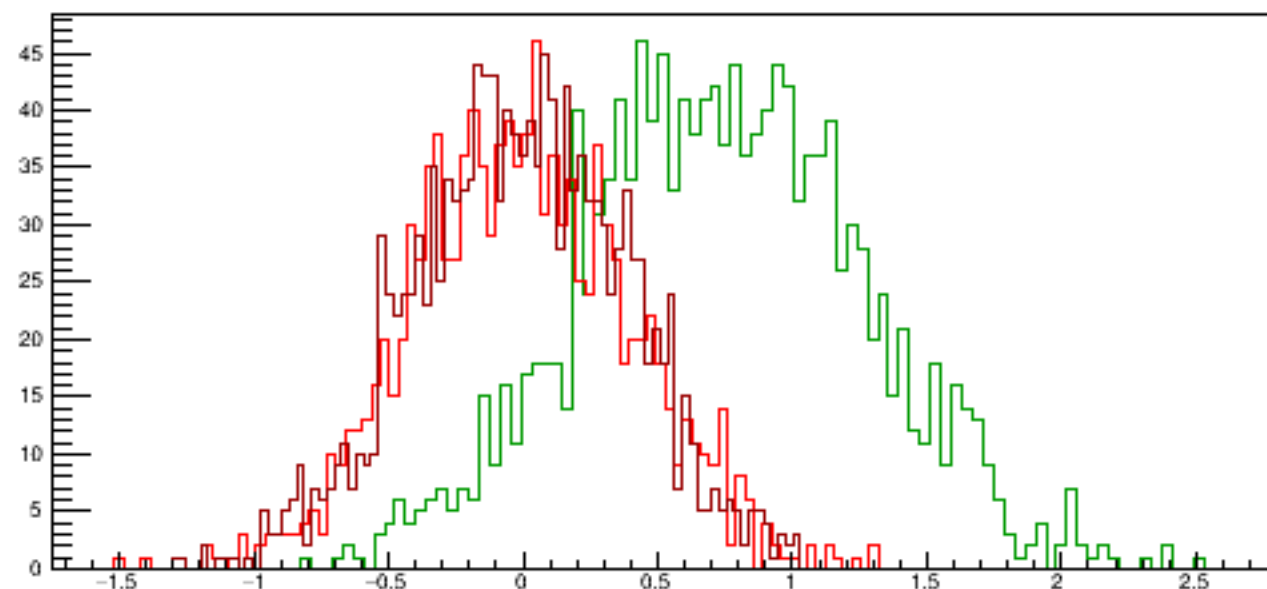
Std Dev: 0.5247 +/- 0.0098

Entries: 1465

Mean: -0.0113 +/- 0.0102

Std Dev: 0.3917 +/- 0.0072

Run 6086 quartetwise, Diffs



Cycle 9, Sums

Entries: 1166

Mean: 6.7480 +/- 0.0127

Std Dev: 0.4348 +/- 0.0090

Entries: 1448

Mean: 30.4377 +/- 0.0171

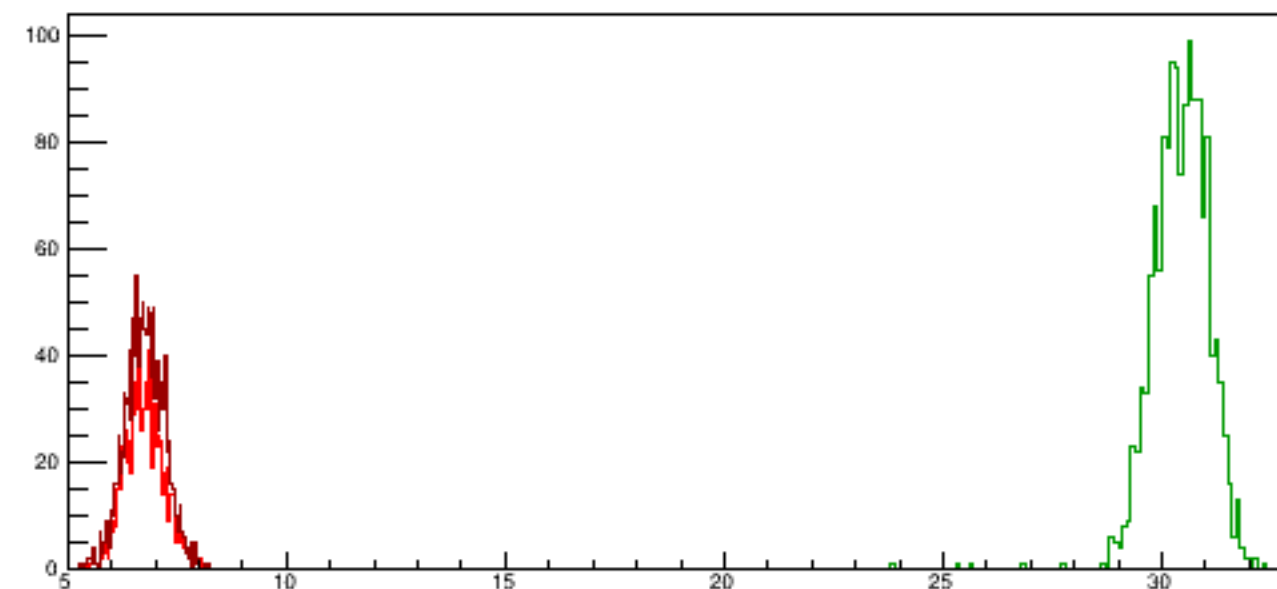
Std Dev: 0.6494 +/- 0.0121

Entries: 1465

Mean: 6.7439 +/- 0.0116

Std Dev: 0.4451 +/- 0.0082

Run 6086 quartetwise, Sums



Cycle 9, Asyms

Entries: 1166

Mean: -0.0004 +/- 0.0005

Std Dev: 0.0172 +/- 0.0004

Entries: 1448

Mean: 0.0313 +/- 0.0006

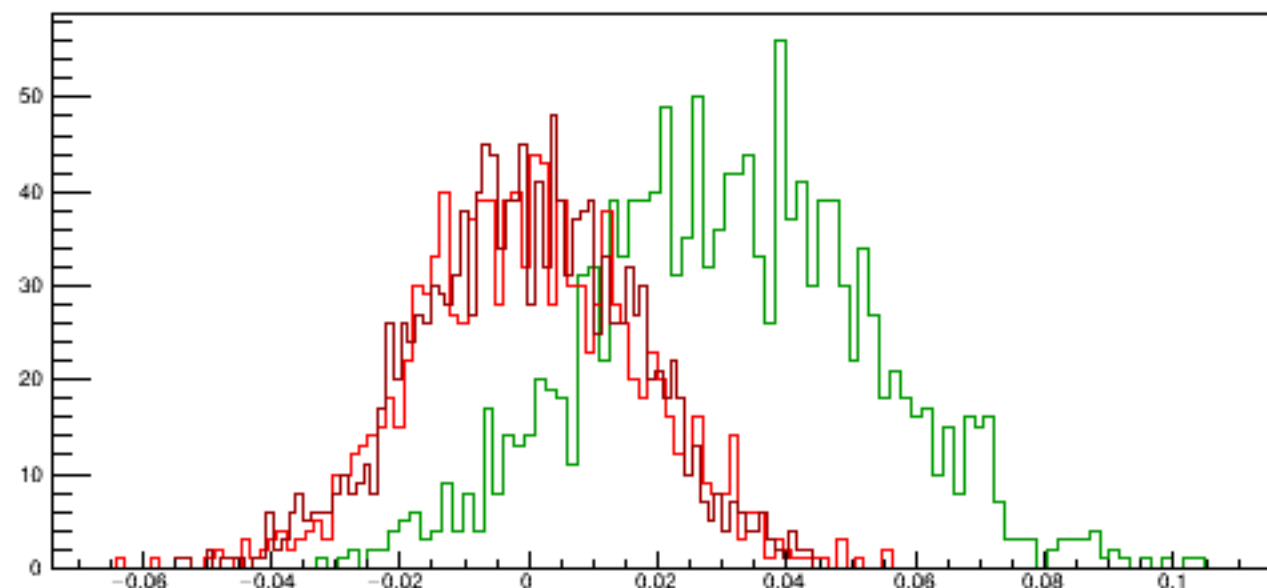
Std Dev: 0.0221 +/- 0.0004

Entries: 1465

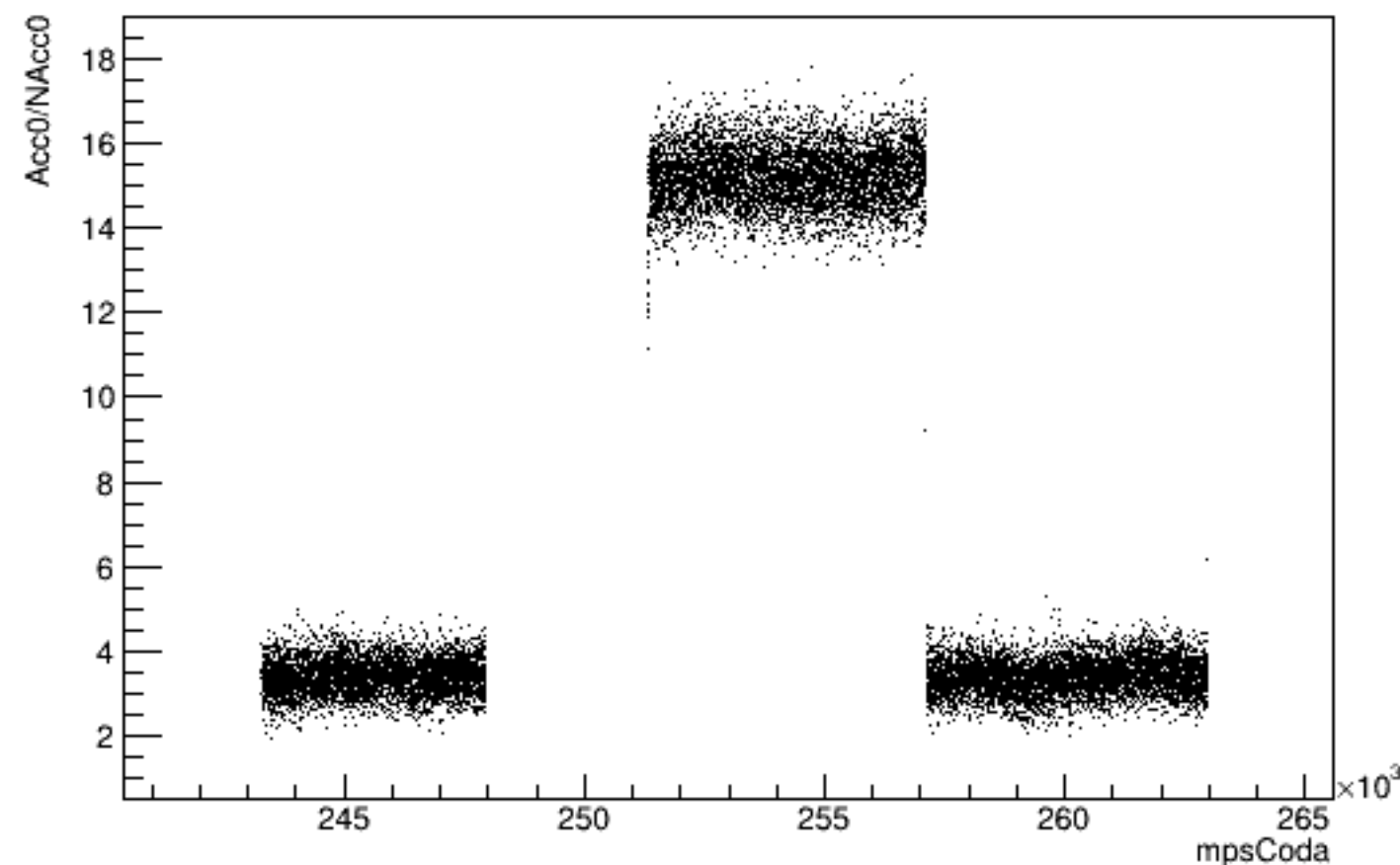
Mean: -0.0005 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

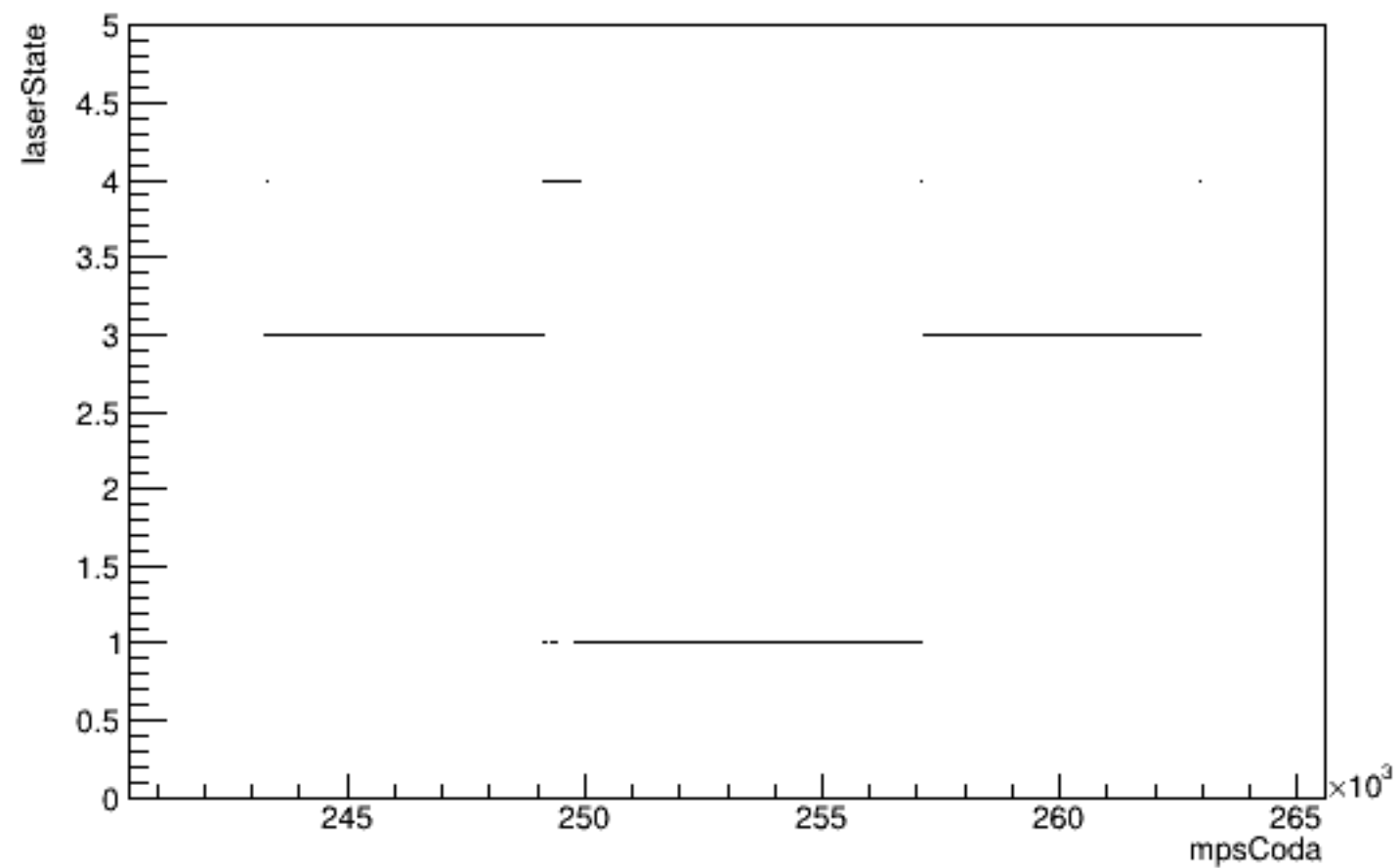
Run 6086 quartetwise, Asyms



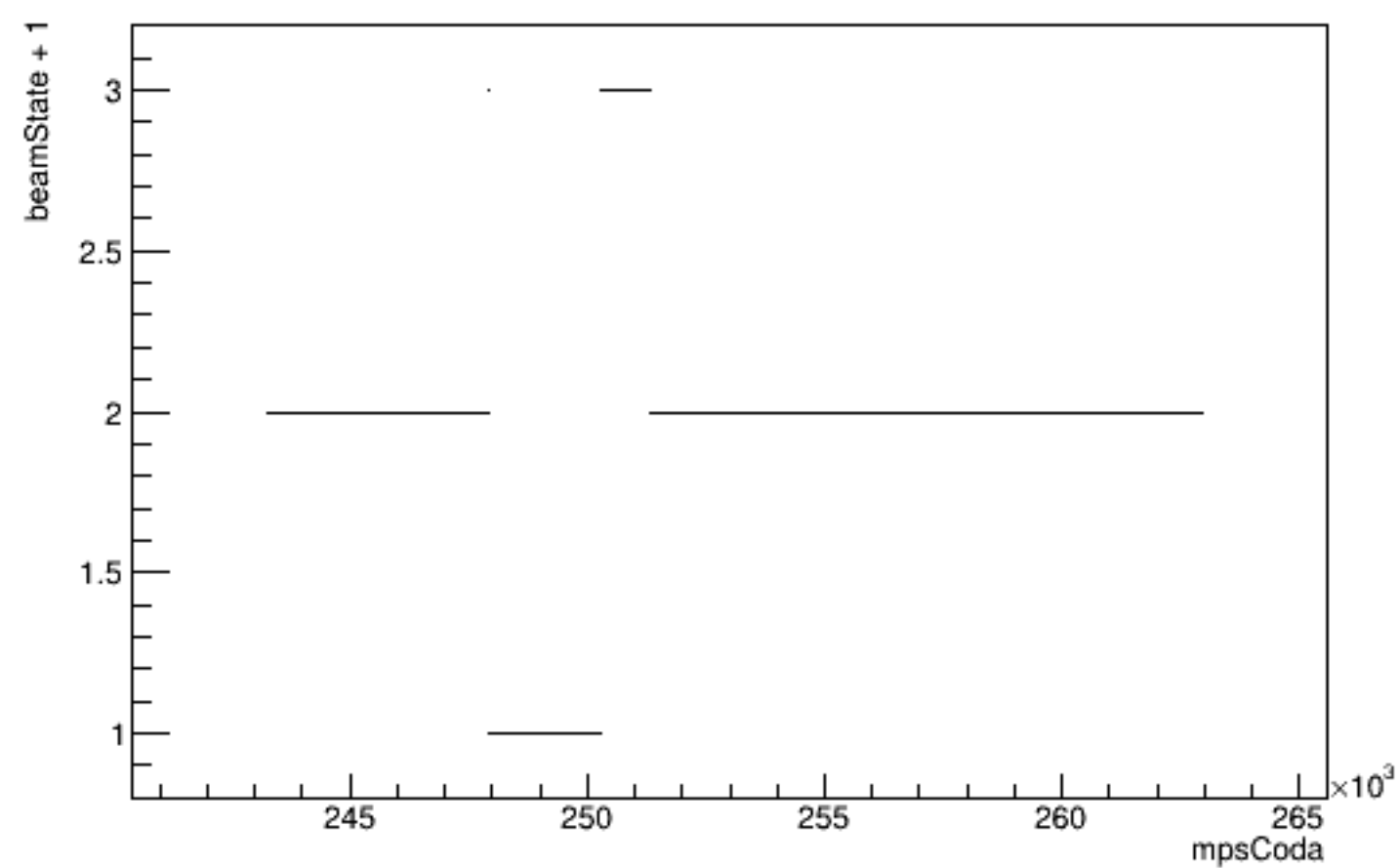
Acc0/NAcc0:mpsCoda (mpsCoda>=243282 && mpsCoda<=262981 && beamState==1)



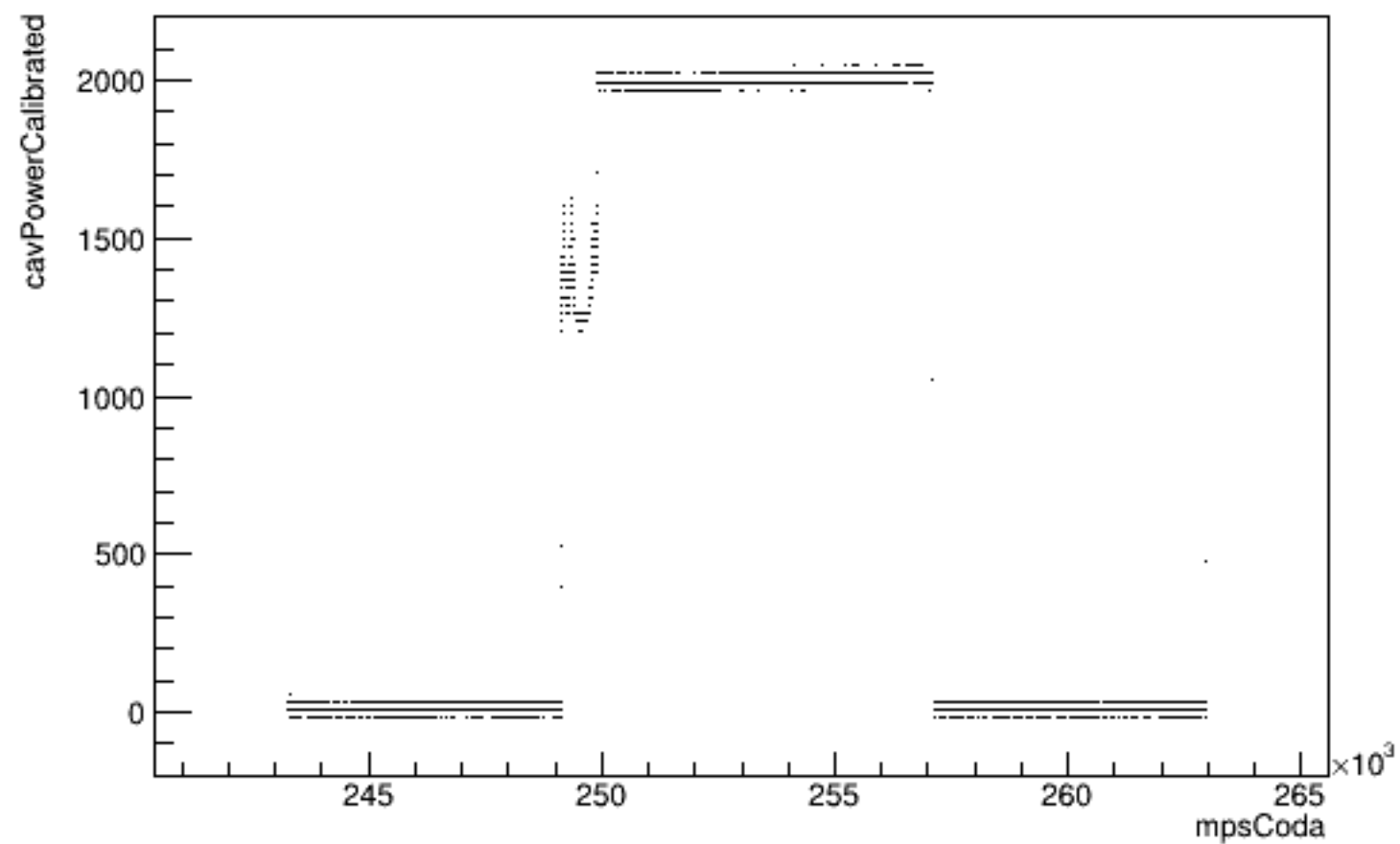
laserState:mpsCoda {mpsCoda>=243282 && mpsCoda<=262981}



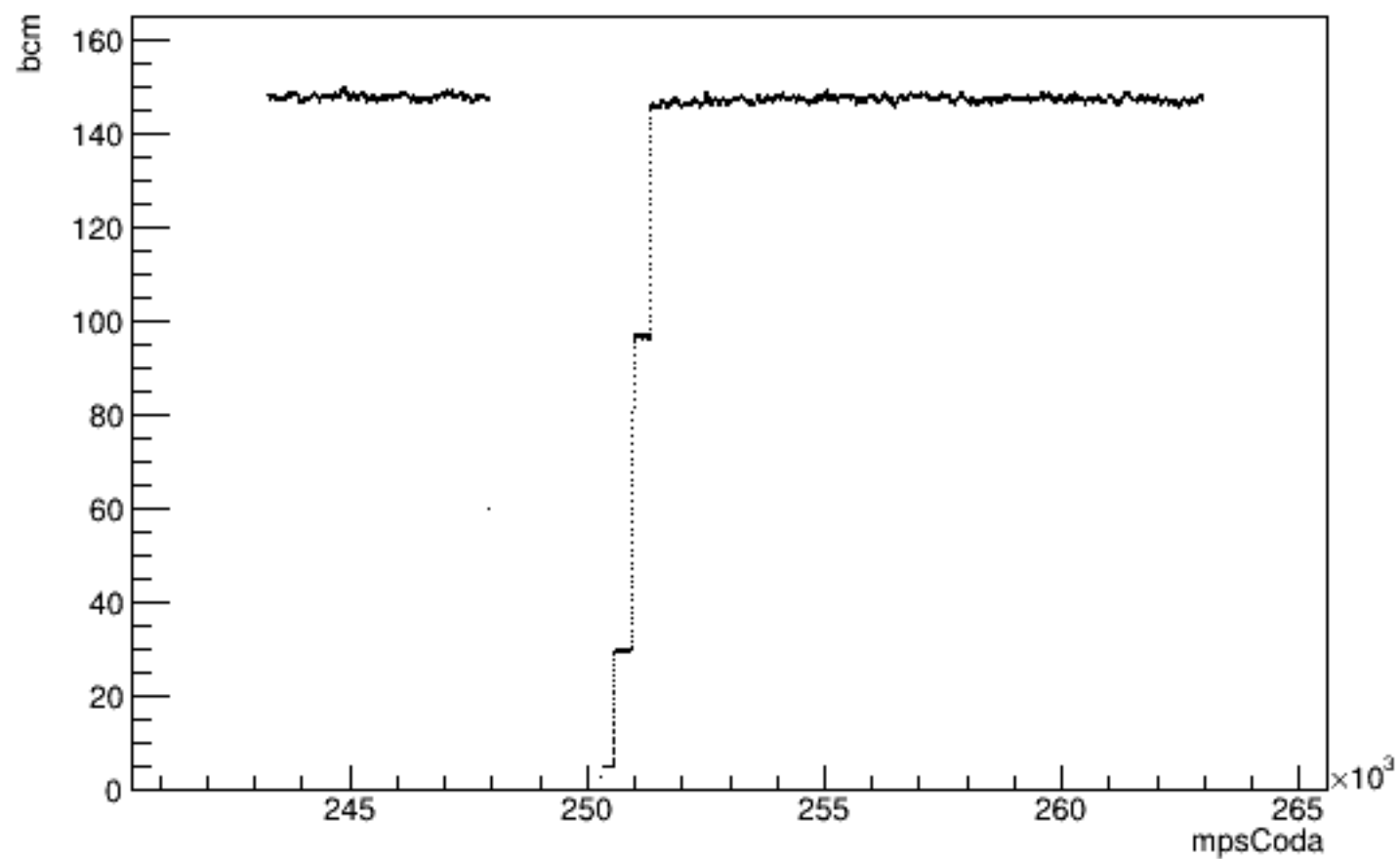
beamState + 1:mpsCoda {mpsCoda>=243282 && mpsCoda<=262981}



cavPowerCalibrated:mpsCoda {mpsCoda>=243282 && mpsCoda<=262981}



bcm:mpsCoda {mpsCoda>=243282 && mpsCoda<=262981}



Cycle 10, Diffs

Entries: 1465

Mean: -0.0113 +/- 0.0102

Std Dev: 0.3917 +/- 0.0072

Entries: 1801

Mean: 0.7423 +/- 0.0124

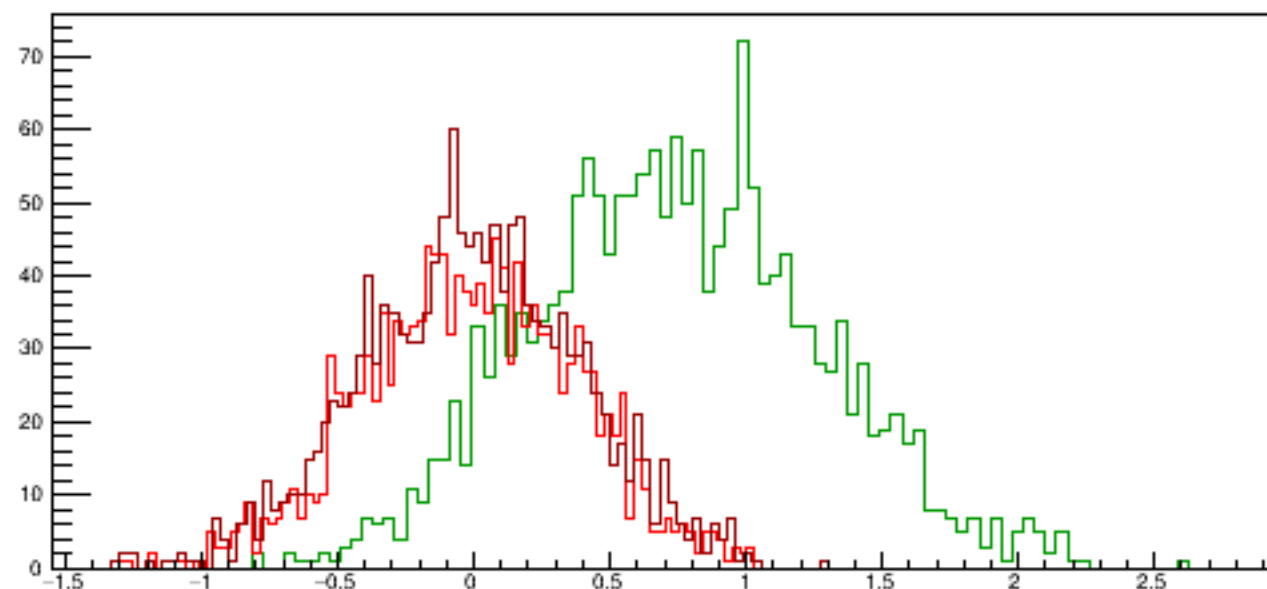
Std Dev: 0.5257 +/- 0.0088

Entries: 1469

Mean: -0.0114 +/- 0.0105

Std Dev: 0.4015 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 10, Sums

Entries: 1465

Mean: 6.7439 +/- 0.0116

Std Dev: 0.4451 +/- 0.0082

Entries: 1801

Mean: 30.7556 +/- 0.0143

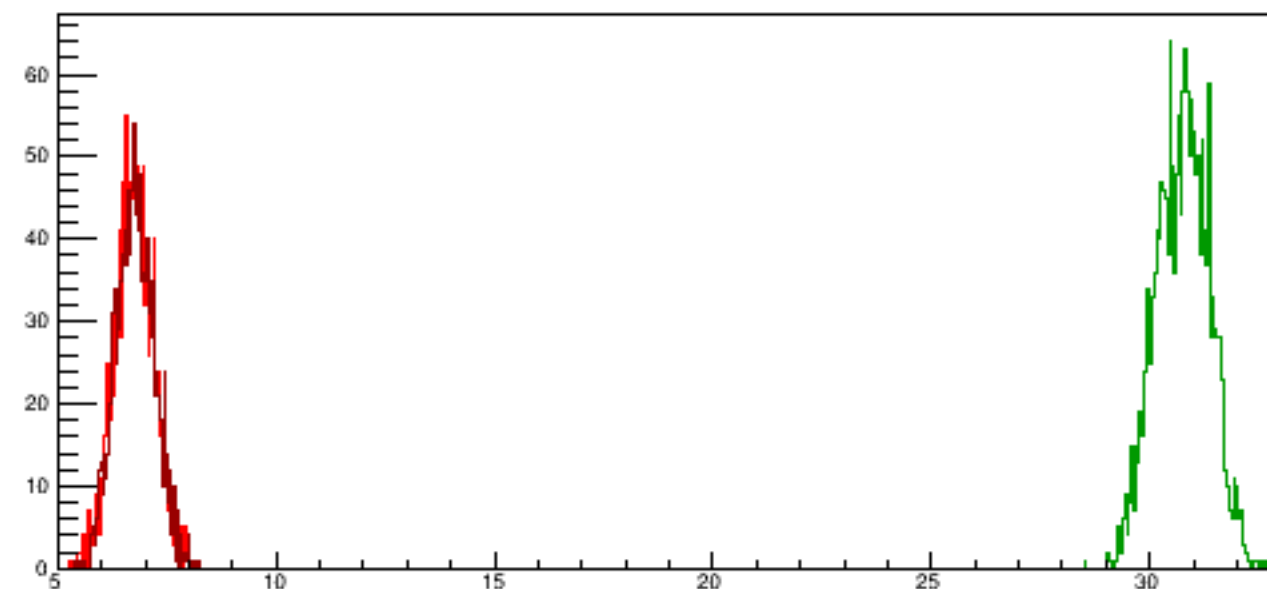
Std Dev: 0.6059 +/- 0.0101

Entries: 1469

Mean: 6.7758 +/- 0.0114

Std Dev: 0.4371 +/- 0.0081

Run 6086 quartetwise, Sums



Cycle 10, Asyms

Entries: 1465

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

Entries: 1801

Mean: 0.0310 +/- 0.0005

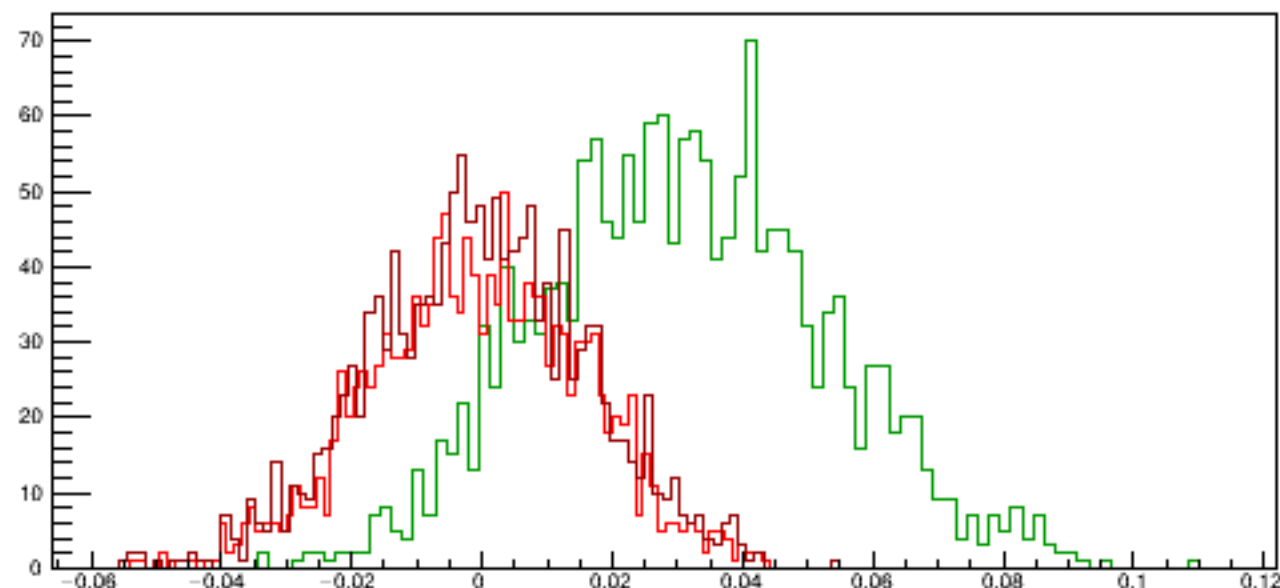
Std Dev: 0.0219 +/- 0.0004

Entries: 1469

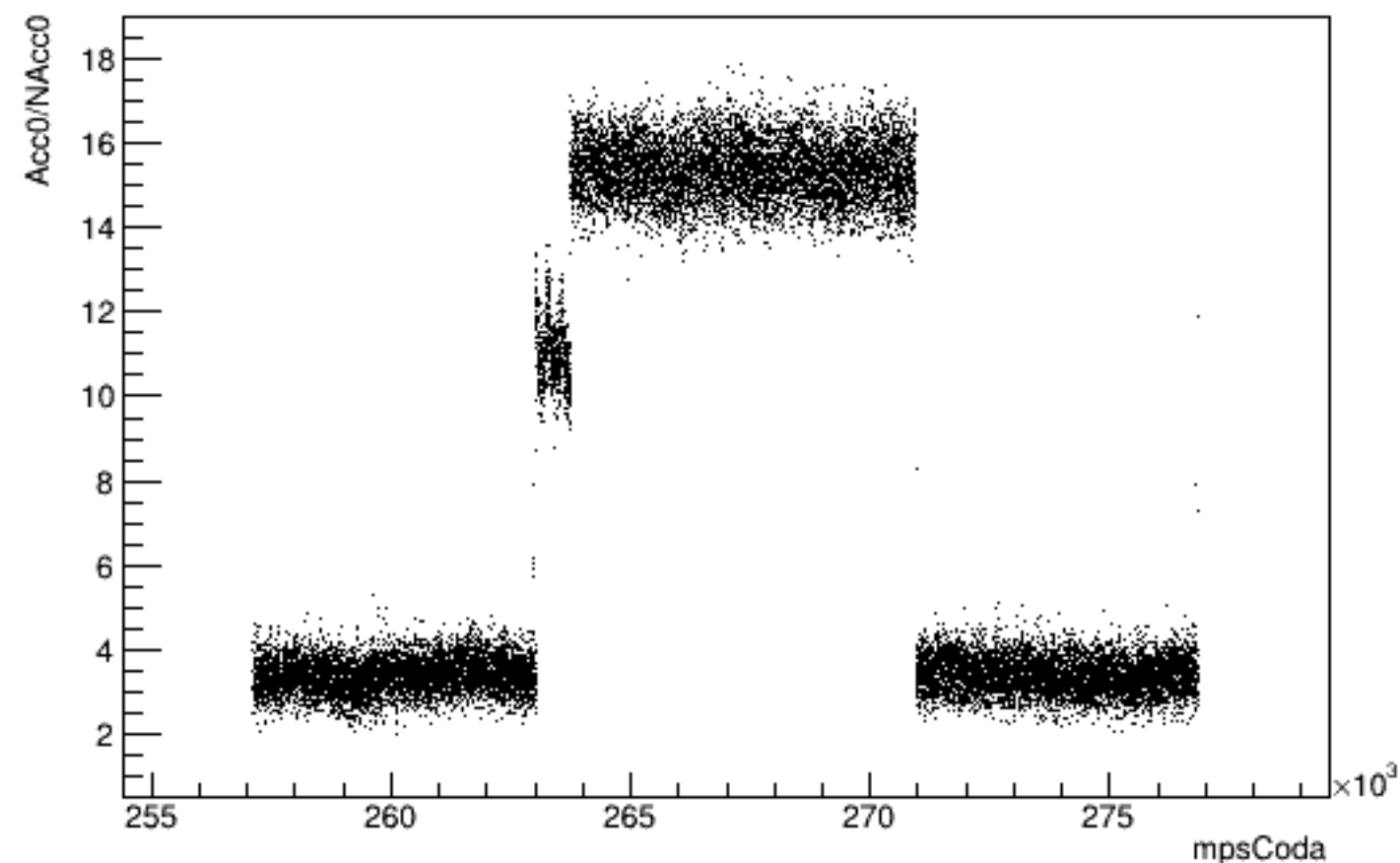
Mean: -0.0005 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

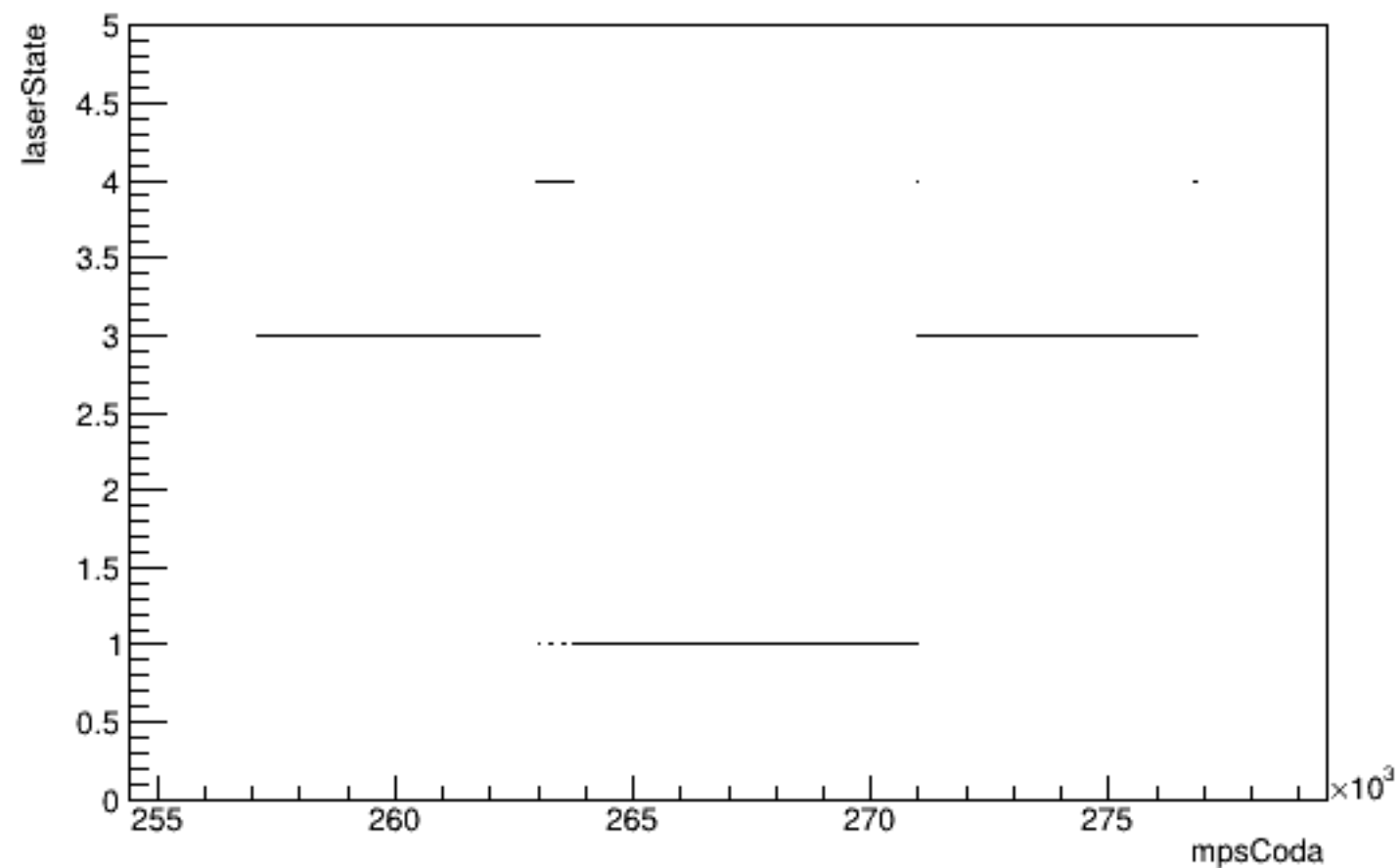
Run 6086 quartetwise, Asyms



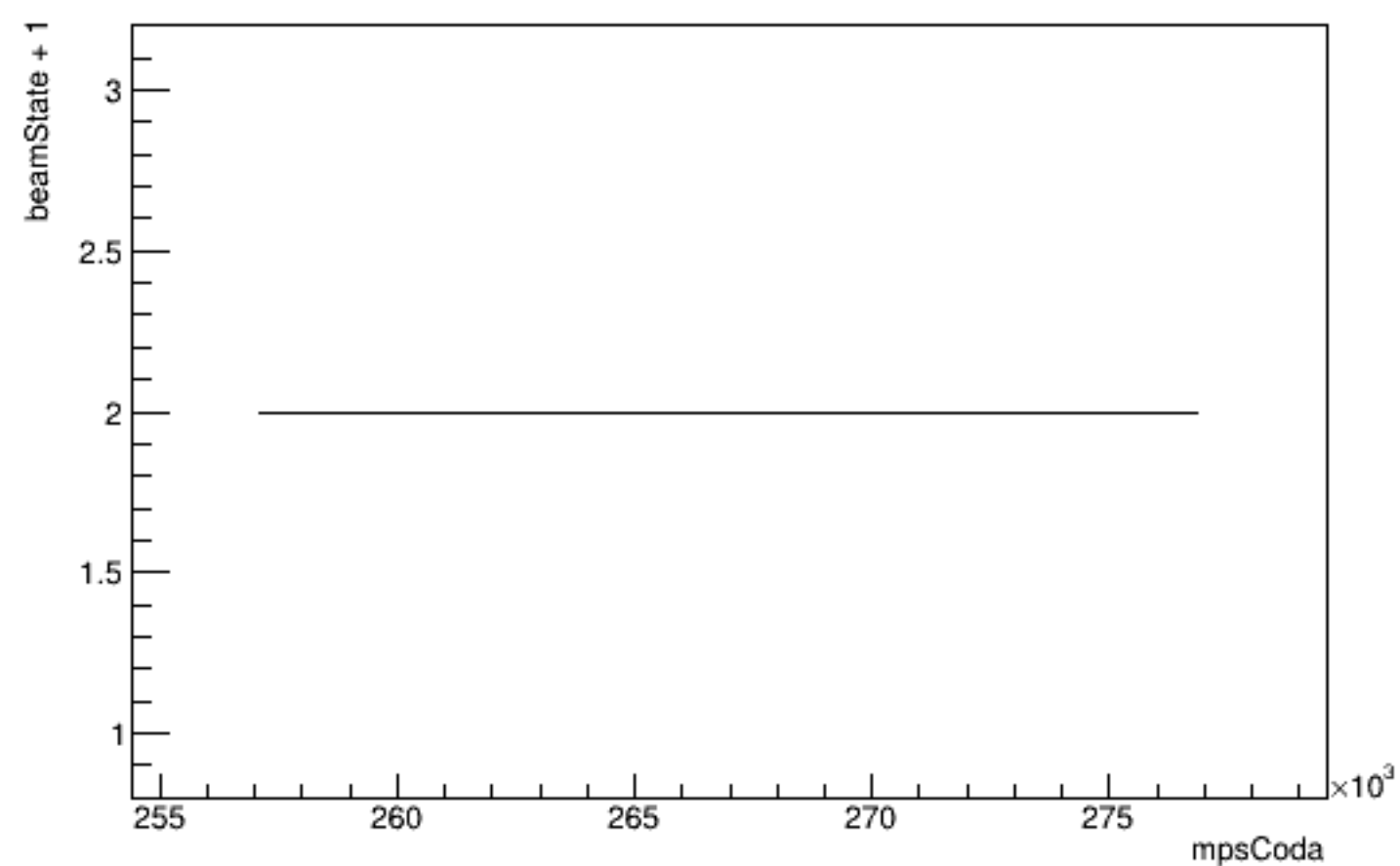
Acc0/NAcc0:mpsCoda (mpsCoda>=257118 && mpsCoda<=276837 && beamState==1)



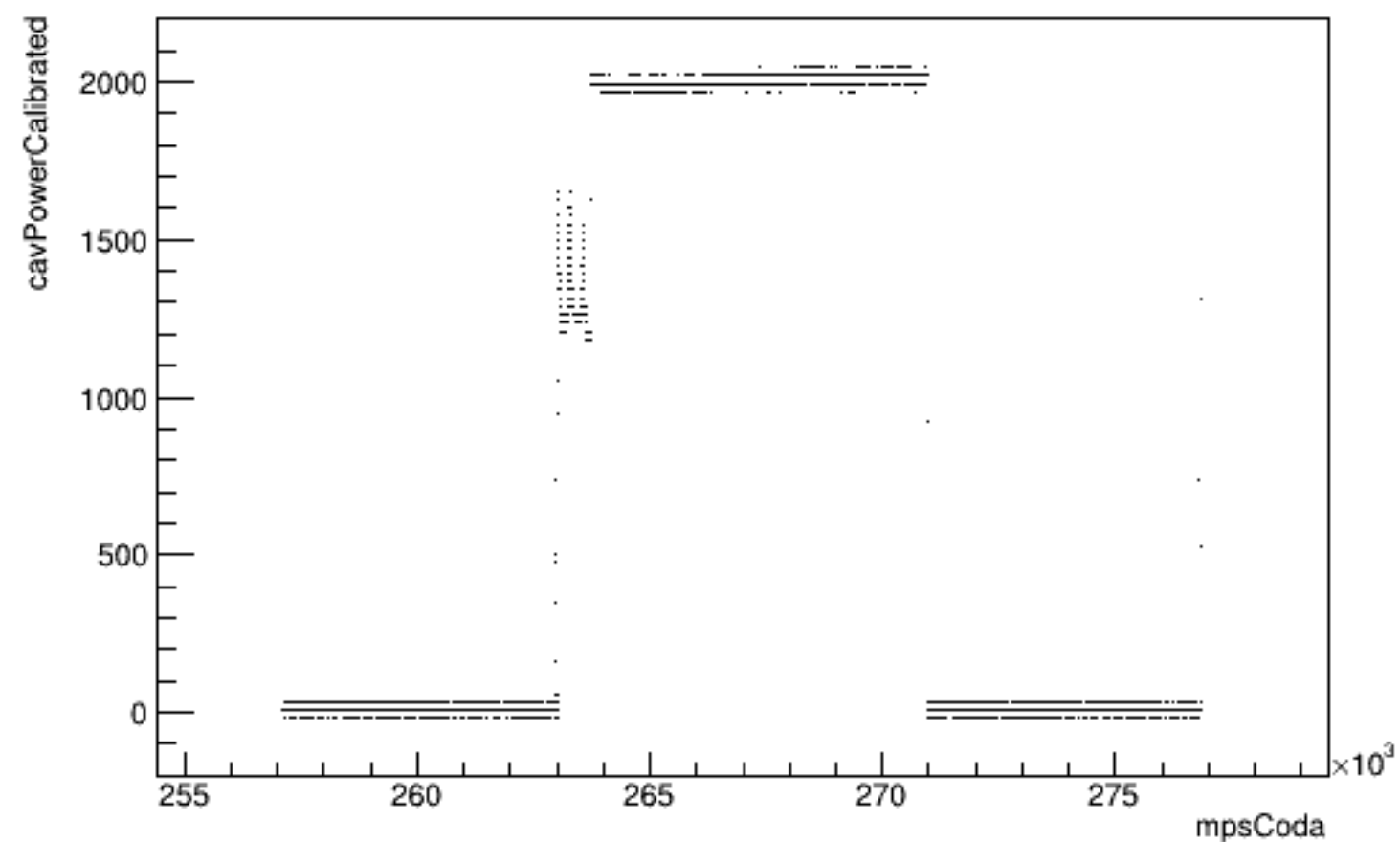
laserState:mpsCoda {mpsCoda>=257118 && mpsCoda<=276837}



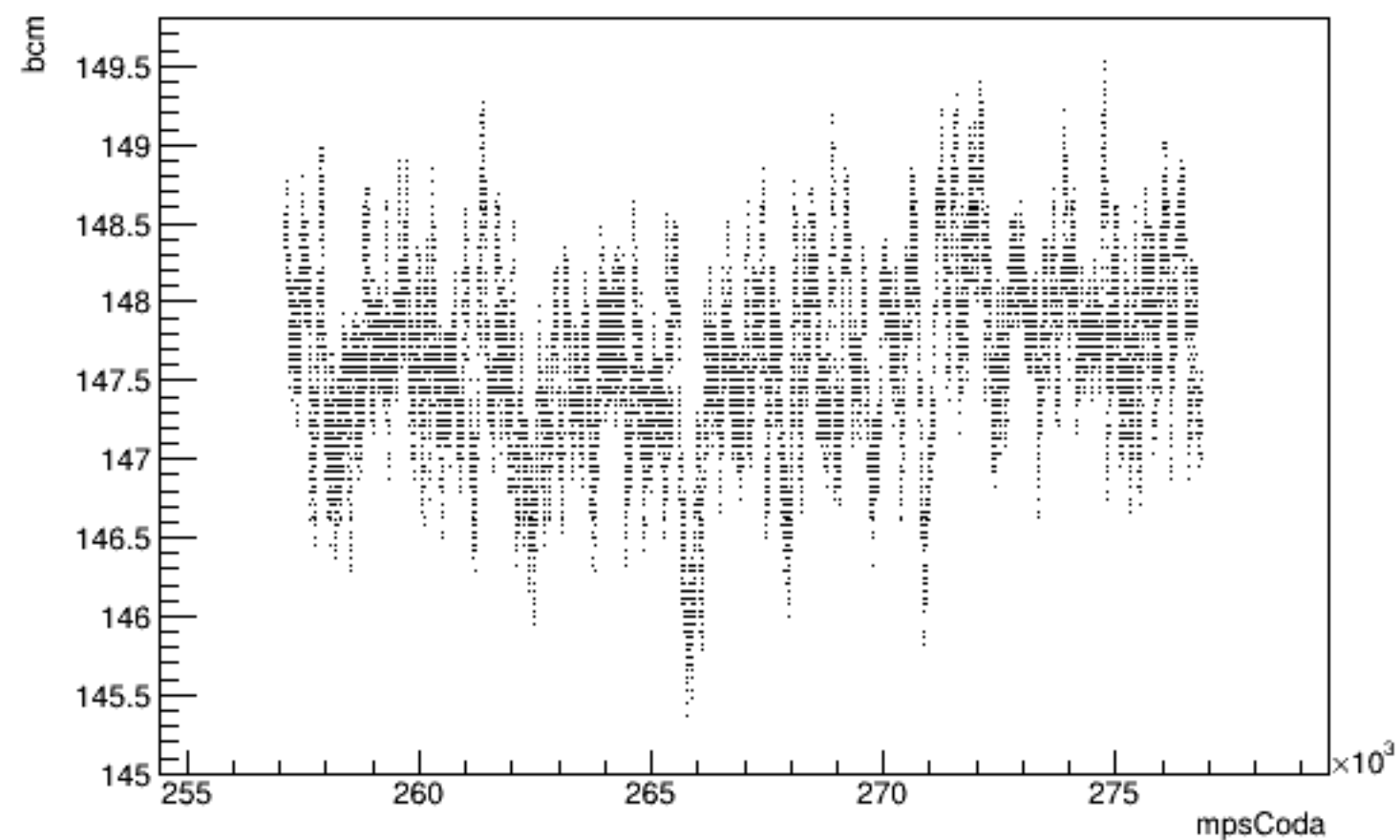
beamState + 1:mpsCoda {mpsCoda>=257118 && mpsCoda<=276837}



cavPowerCalibrated:mpsCoda {mpsCoda>=257118 && mpsCoda<=276837}



bcm:mpsCoda {mpsCoda>=257118 && mpsCoda<=276837}



Cycle 11, Diffs

Entries: 1469

Mean: -0.0114 +/- 0.0105

Std Dev: 0.4015 +/- 0.0074

Entries: 1800

Mean: 0.7548 +/- 0.0128

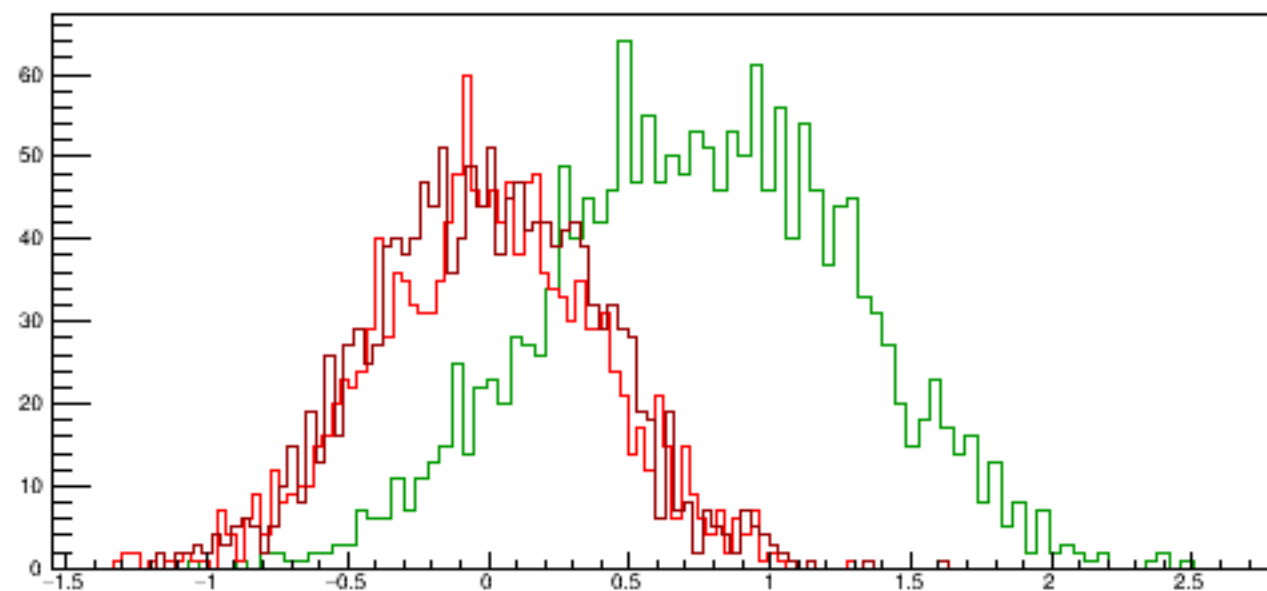
Std Dev: 0.5449 +/- 0.0091

Entries: 1463

Mean: -0.0043 +/- 0.0105

Std Dev: 0.4014 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 11, Sums

Entries: 1469

Mean: 6.7758 +/- 0.0114

Std Dev: 0.4371 +/- 0.0081

Entries: 1800

Mean: 30.7458 +/- 0.0140

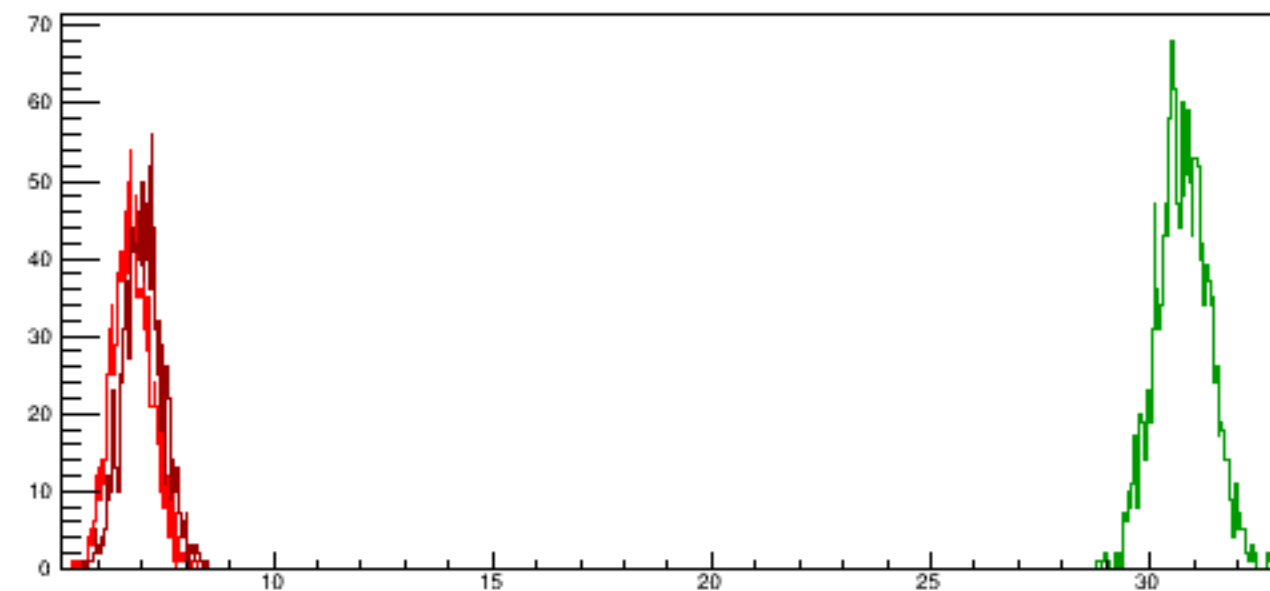
Std Dev: 0.5949 +/- 0.0099

Entries: 1463

Mean: 7.0300 +/- 0.0116

Std Dev: 0.4443 +/- 0.0082

Run 6086 quartetwise, Sums



Cycle 11, Asyms

Entries: 1469

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

Entries: 1800

Mean: 0.0317 +/- 0.0005

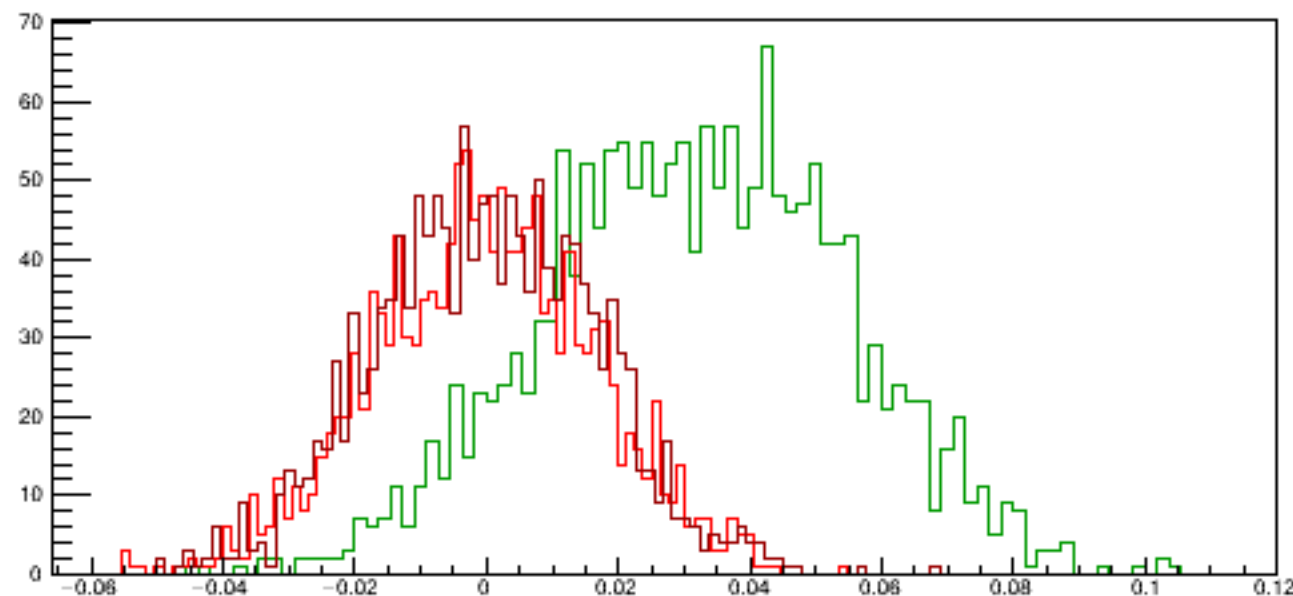
Std Dev: 0.0229 +/- 0.0004

Entries: 1463

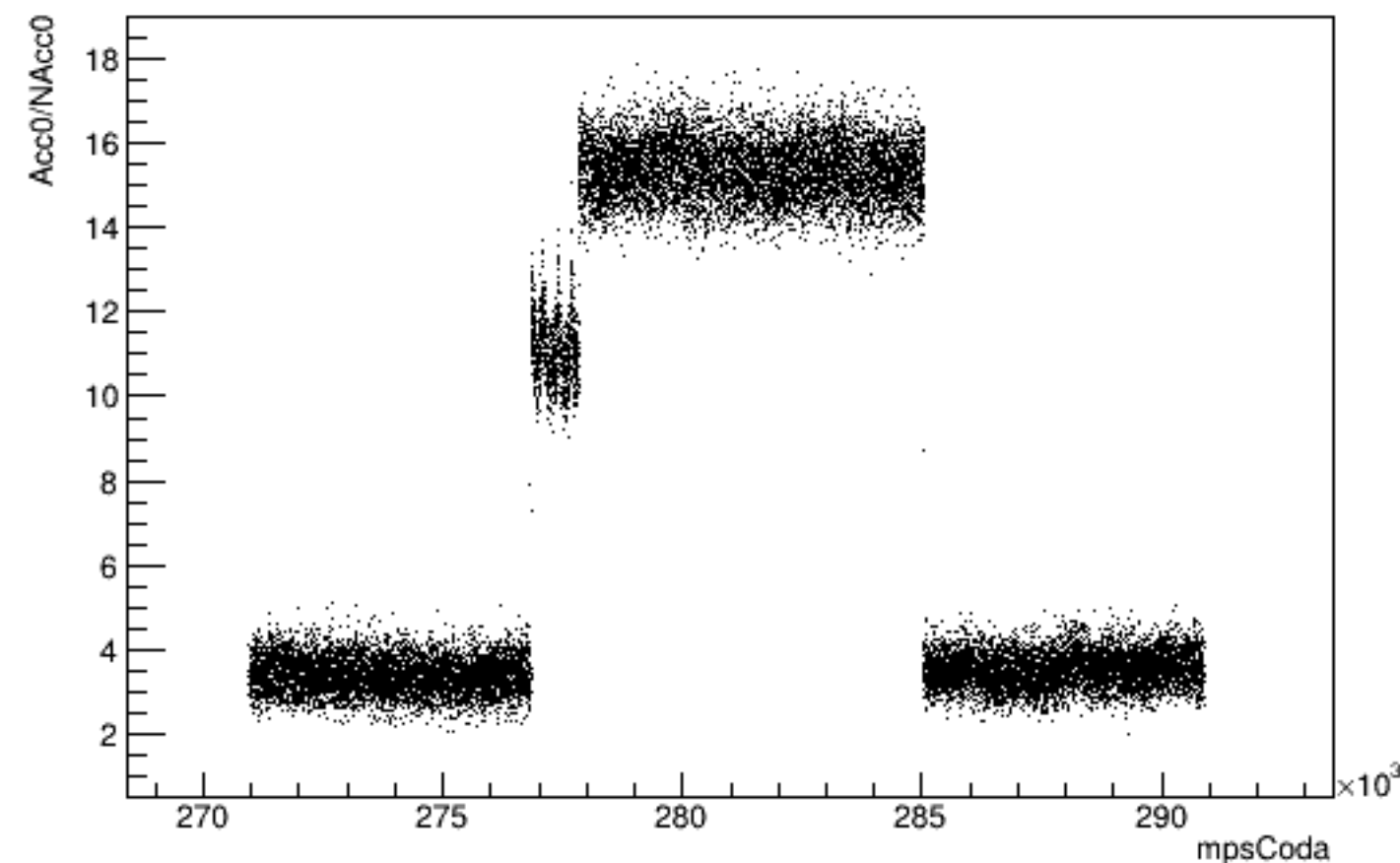
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

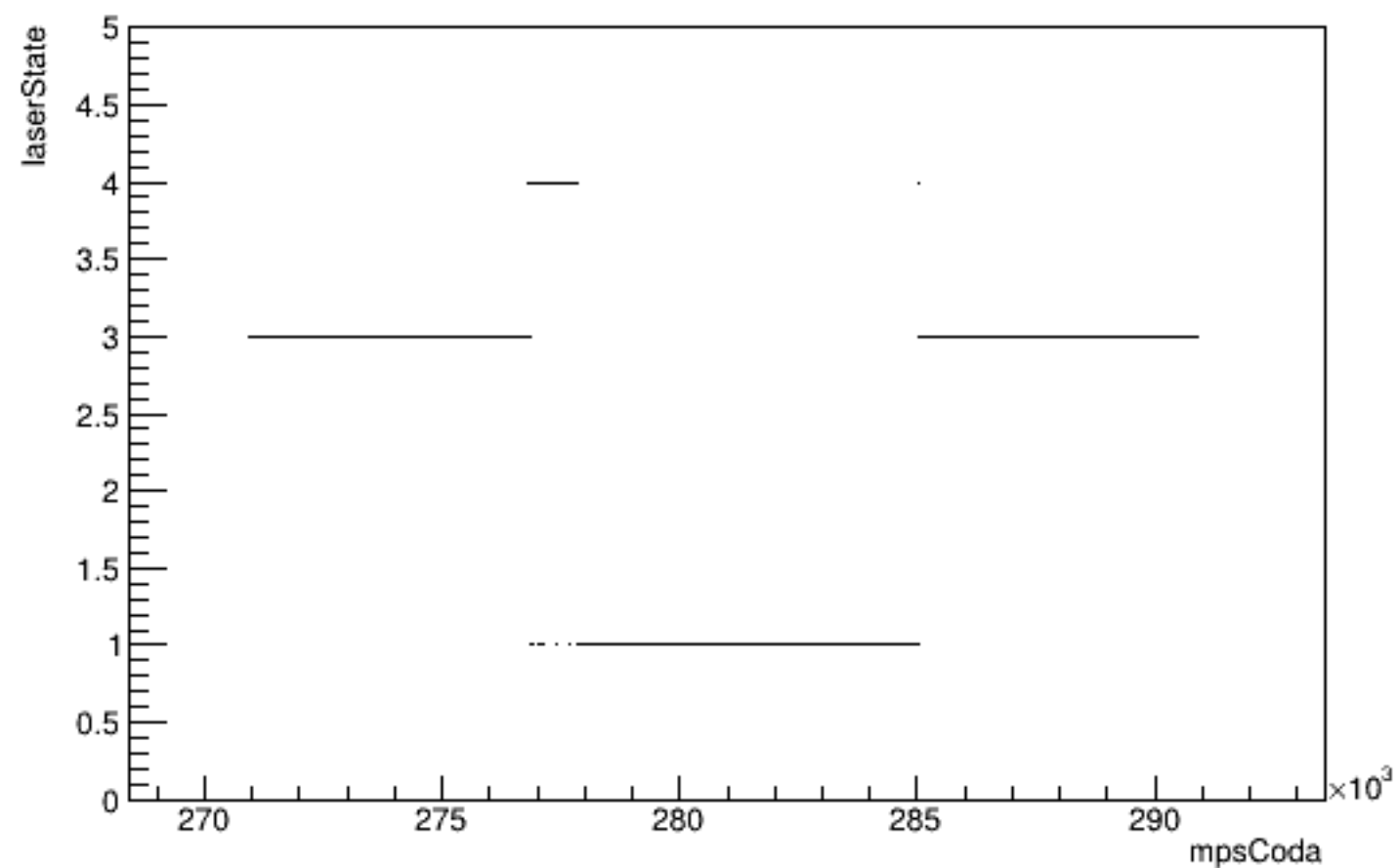
Run 6086 quartetwise, Asyms



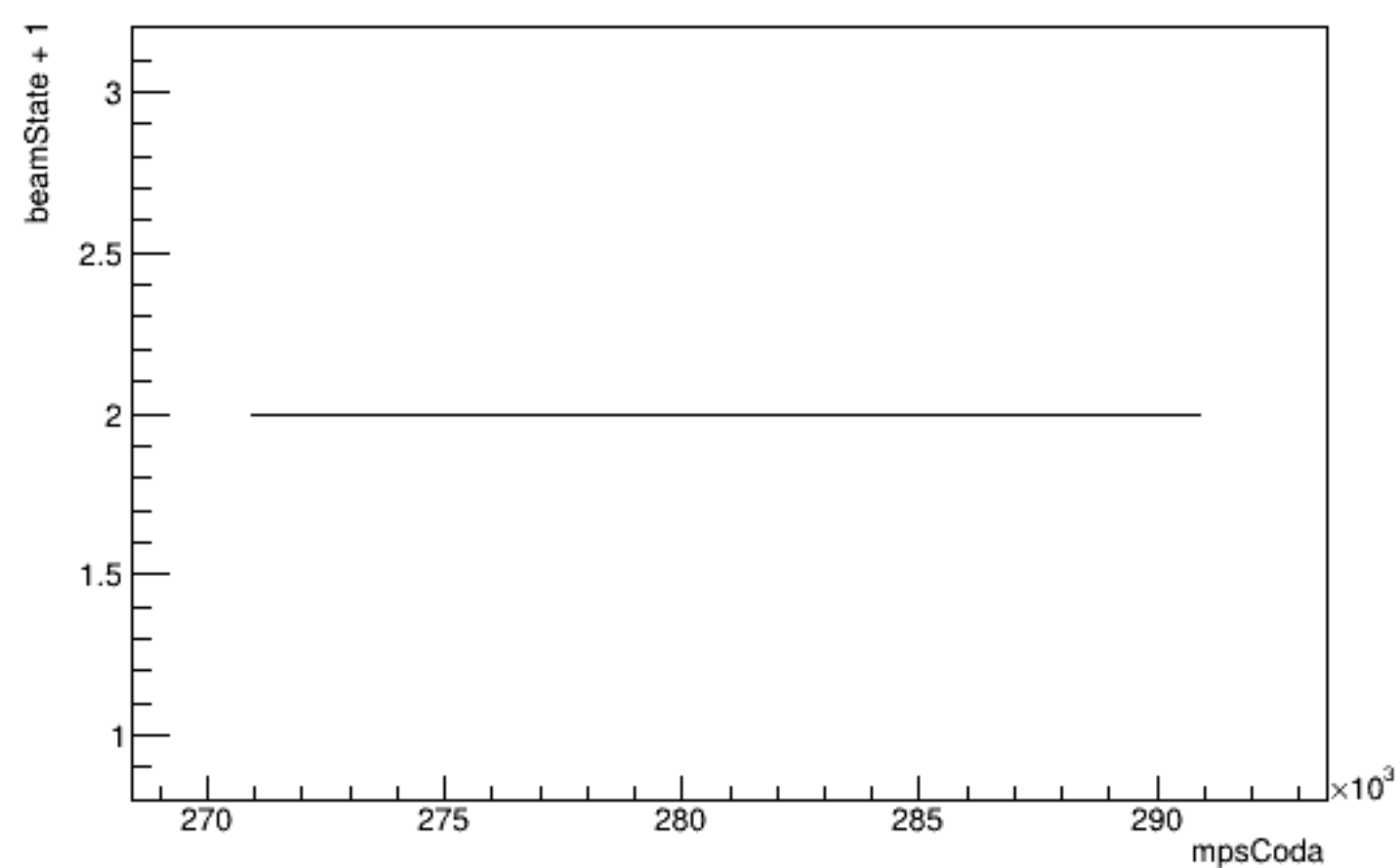
Acc0/NAcc0:mpsCoda (mpsCoda>=270954 && mpsCoda<=290889 && beamState==1)



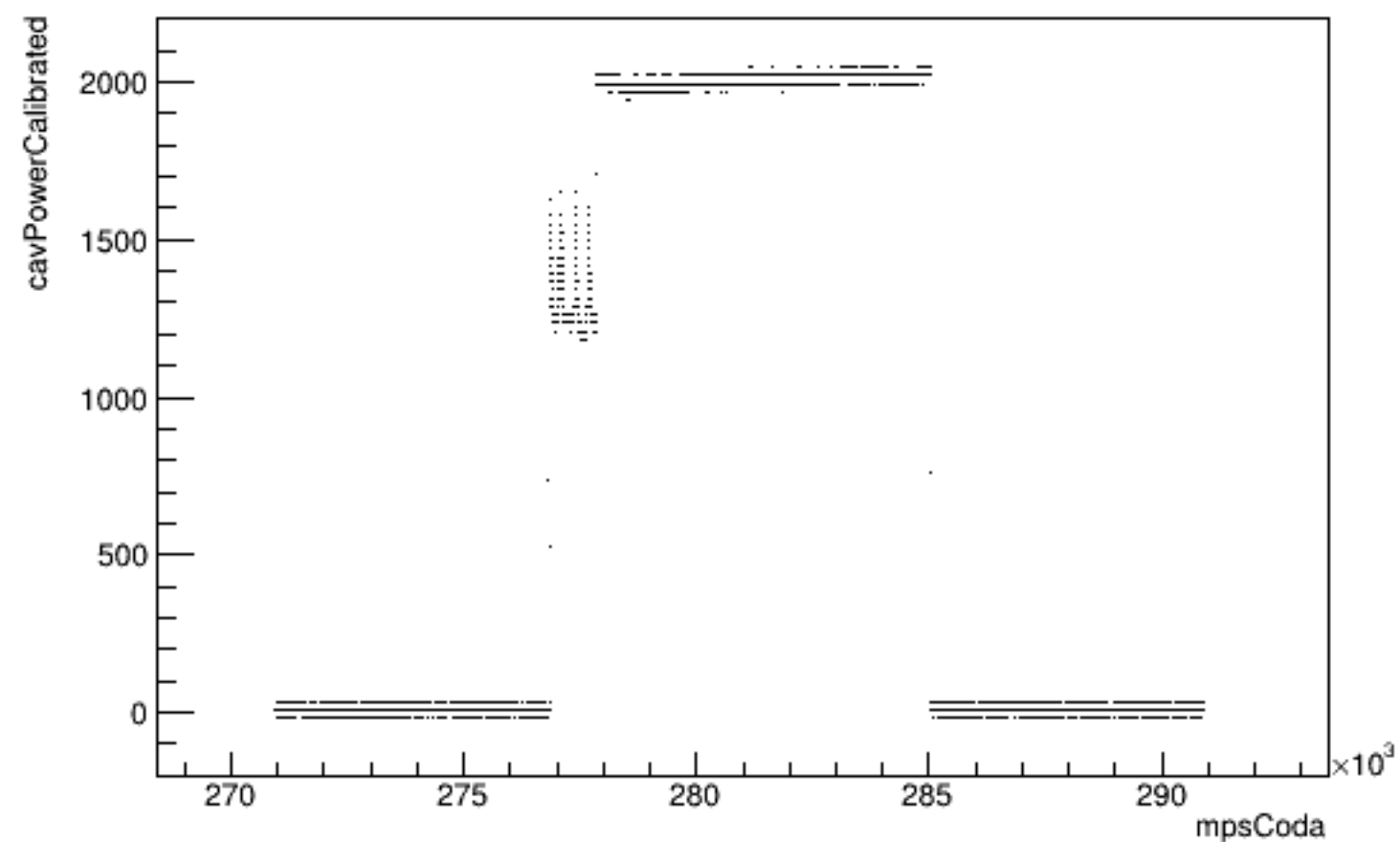
laserState:mpsCoda {mpsCoda>=270954 && mpsCoda<=290889}



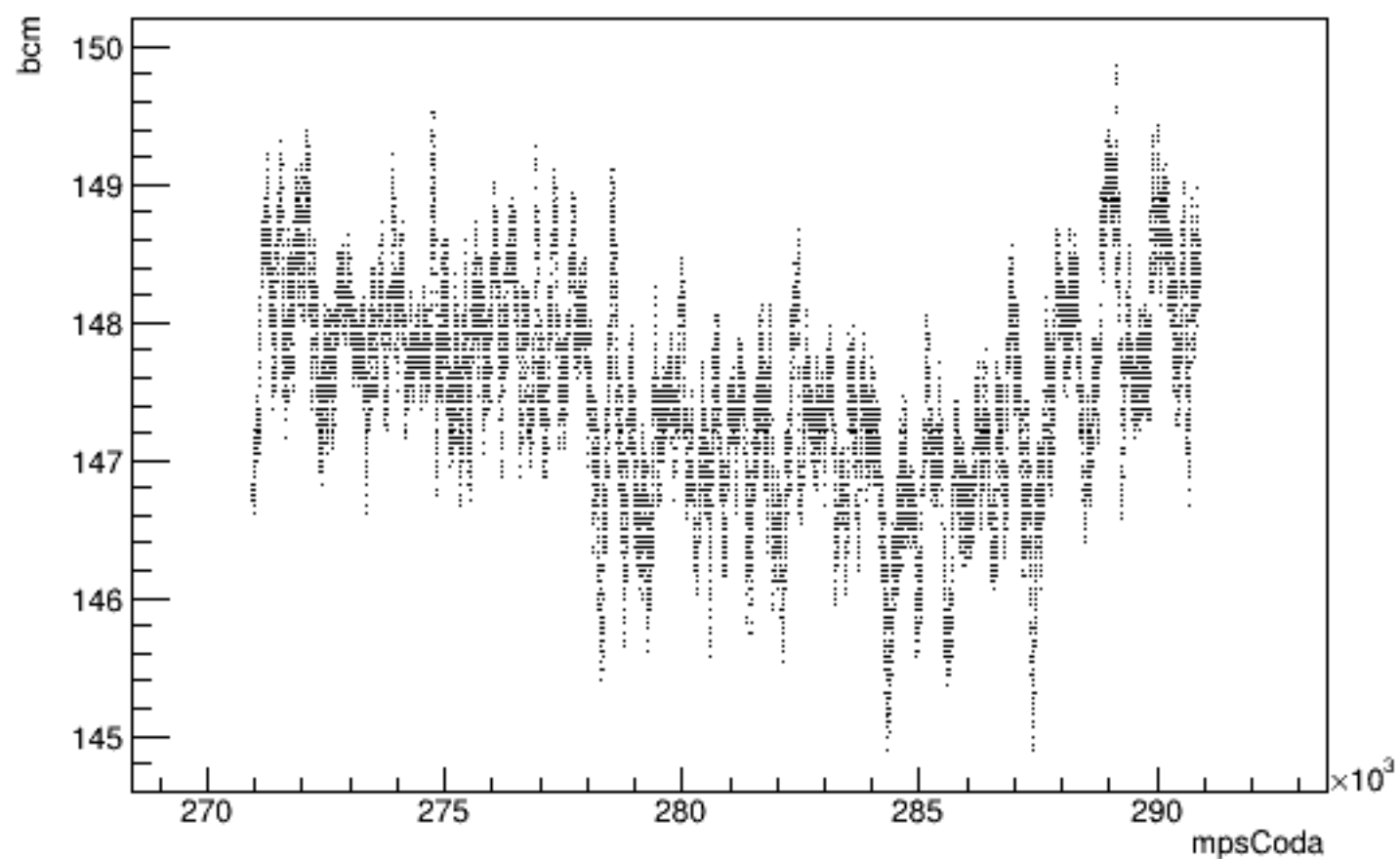
beamState + 1:mpsCoda {mpsCoda>=270954 && mpsCoda<=290889}



cavPowerCalibrated:mpsCoda {mpsCoda>=270954 && mpsCoda<=290889}



bcm:mpsCoda {mpsCoda>=270954 && mpsCoda<=290889}



Cycle 12, Diffs

Entries: 1463

Mean: -0.0043 +/- 0.0105

Std Dev: 0.4014 +/- 0.0074

Entries: 1830

Mean: 0.7418 +/- 0.0124

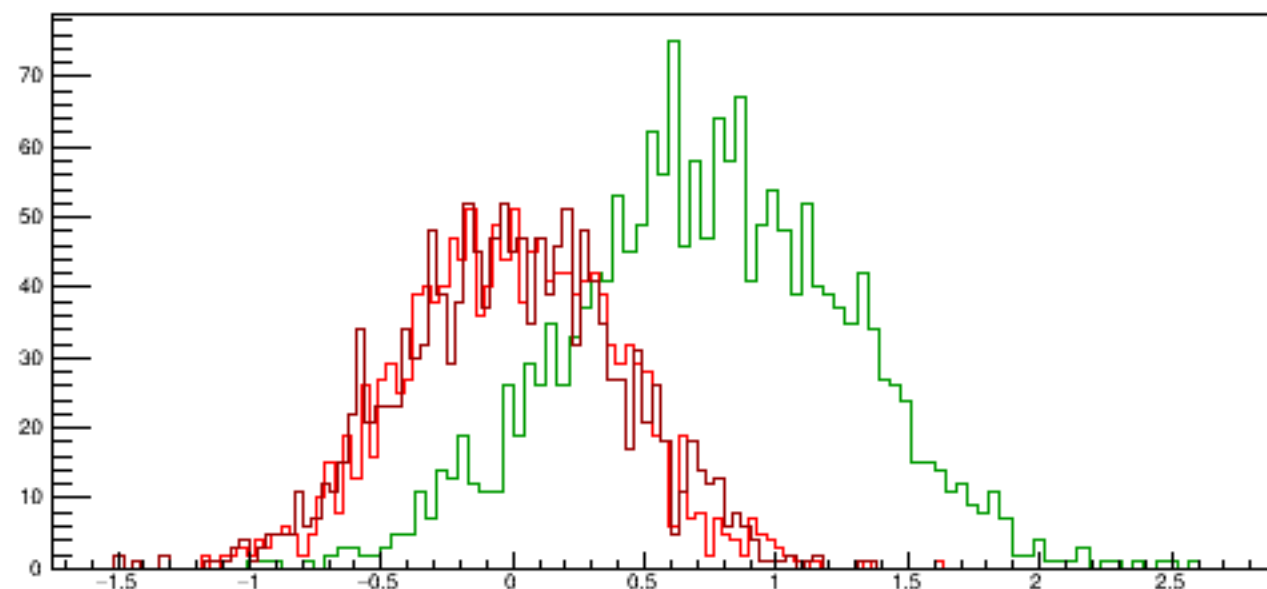
Std Dev: 0.5293 +/- 0.0087

Entries: 1465

Mean: -0.0109 +/- 0.0110

Std Dev: 0.4217 +/- 0.0078

Run 6086 quartetwise, Diffs



Cycle 12, Sums

Entries: 1463

Mean: 7.0300 +/- 0.0116

Std Dev: 0.4443 +/- 0.0082

Entries: 1830

Mean: 30.5012 +/- 0.0232

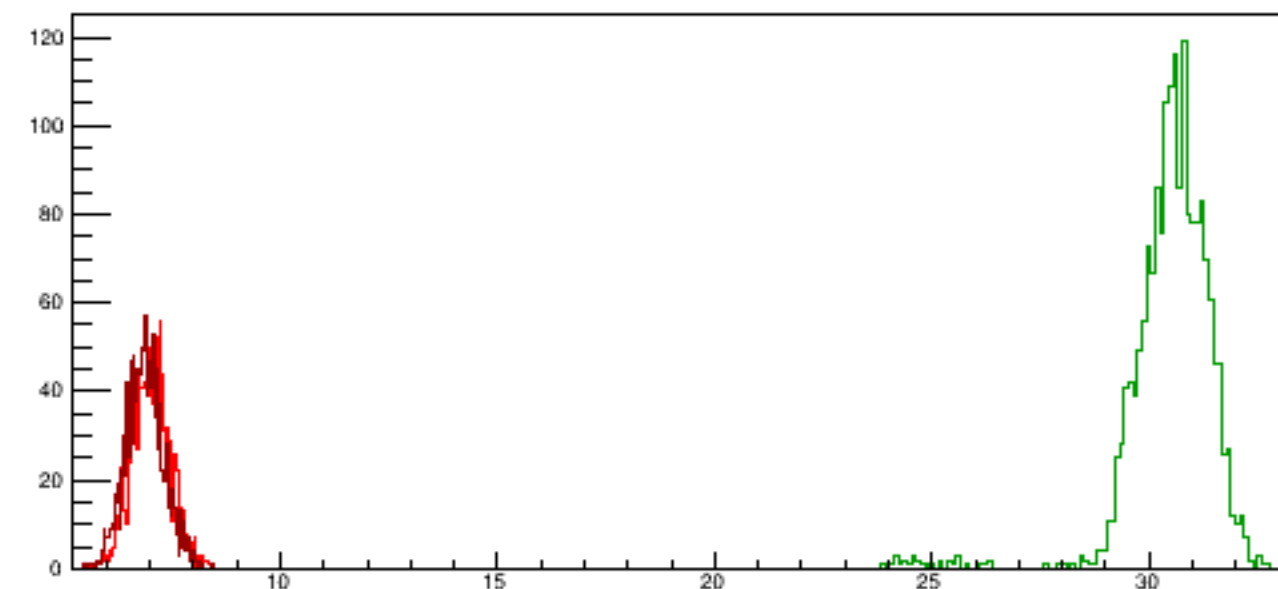
Std Dev: 0.9936 +/- 0.0164

Entries: 1465

Mean: 6.8724 +/- 0.0113

Std Dev: 0.4344 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 12, Asyms

Entries: 1463

Mean: -0.0002 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

Entries: 1830

Mean: 0.0315 +/- 0.0005

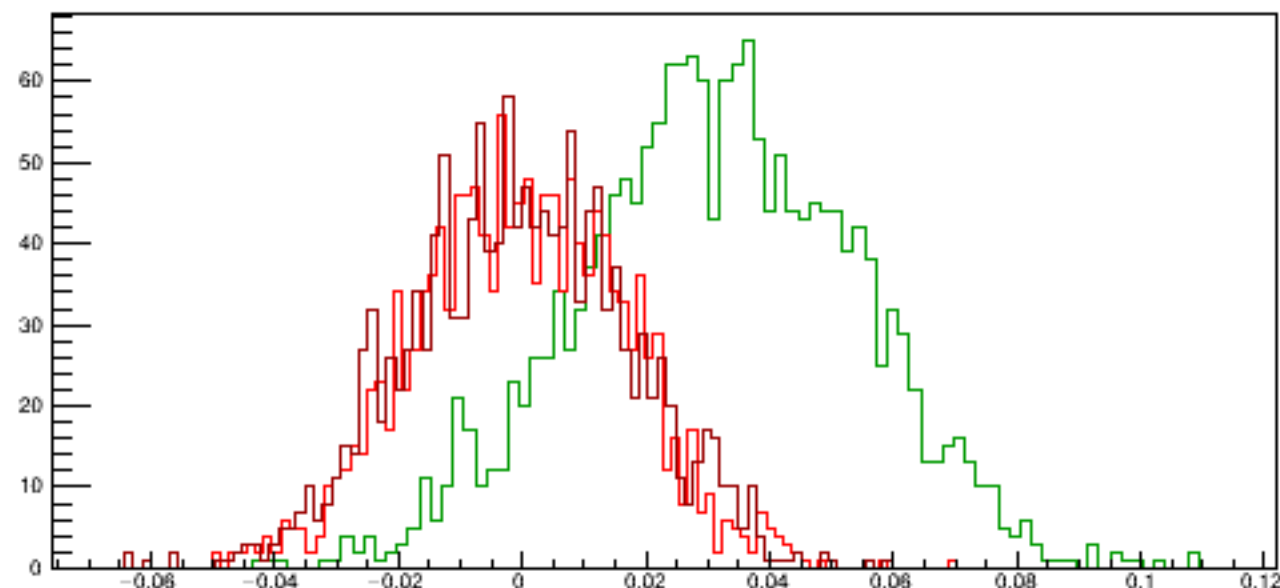
Std Dev: 0.0225 +/- 0.0004

Entries: 1465

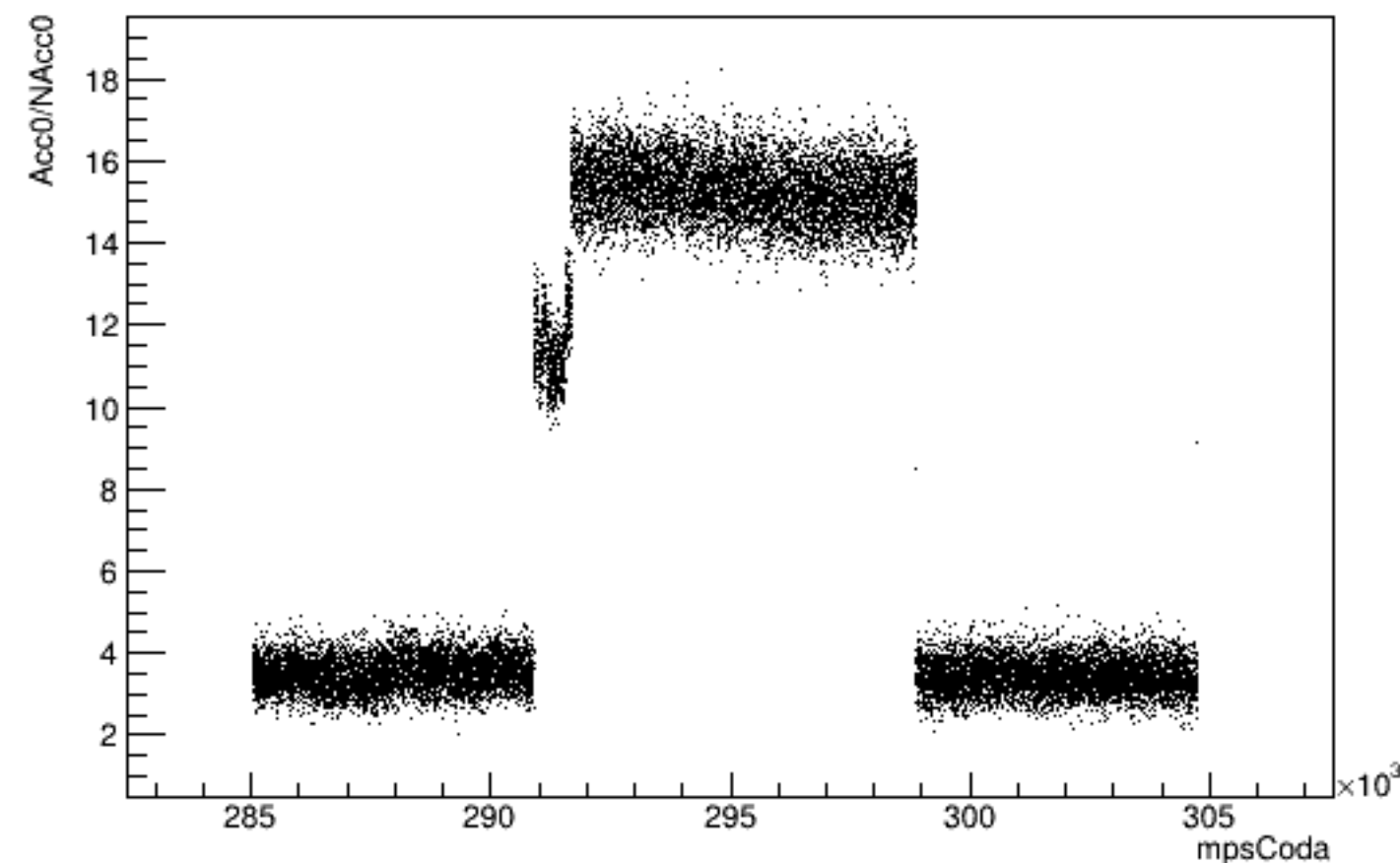
Mean: -0.0005 +/- 0.0005

Std Dev: 0.0179 +/- 0.0003

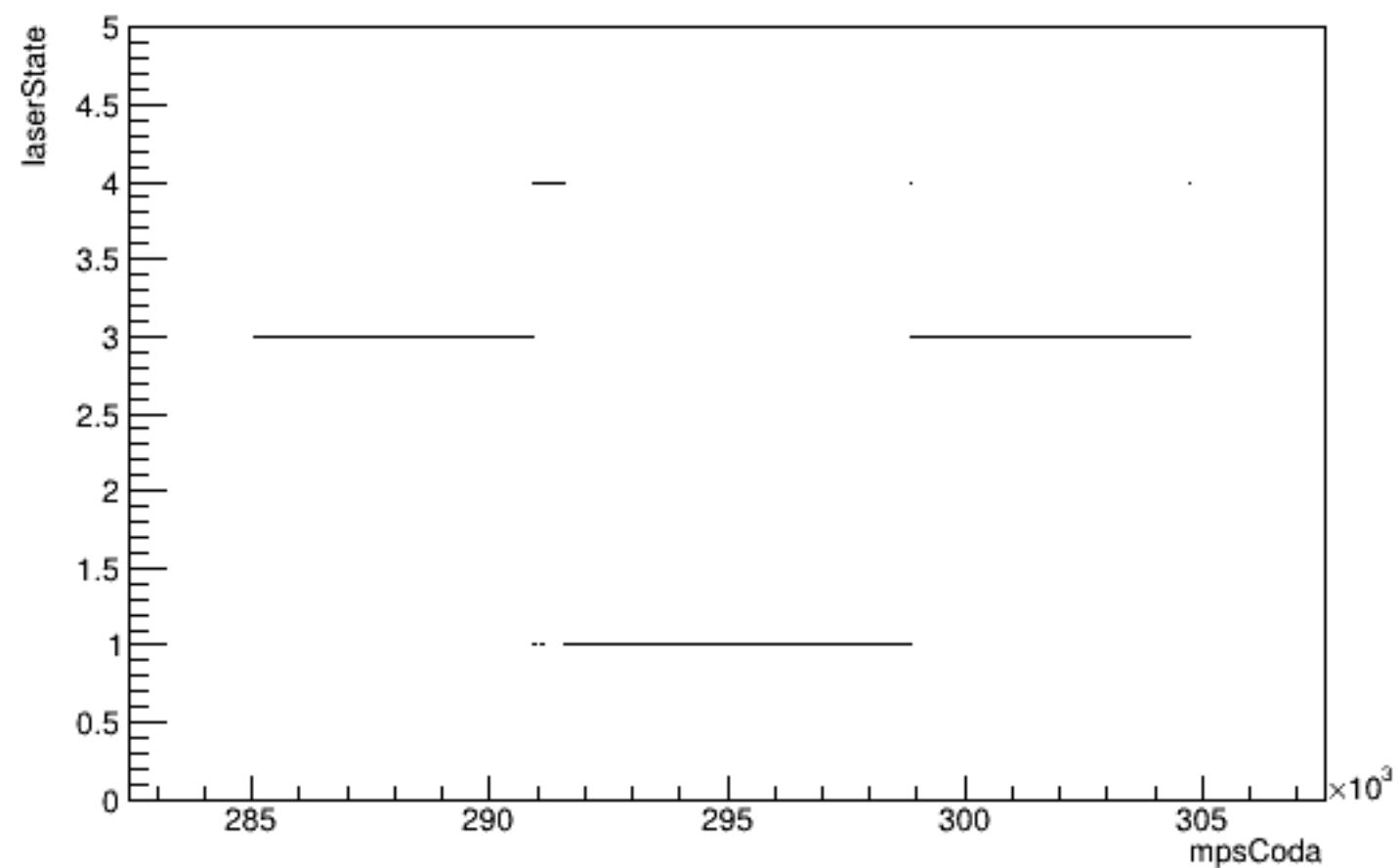
Run 6086 quartetwise, Asyms



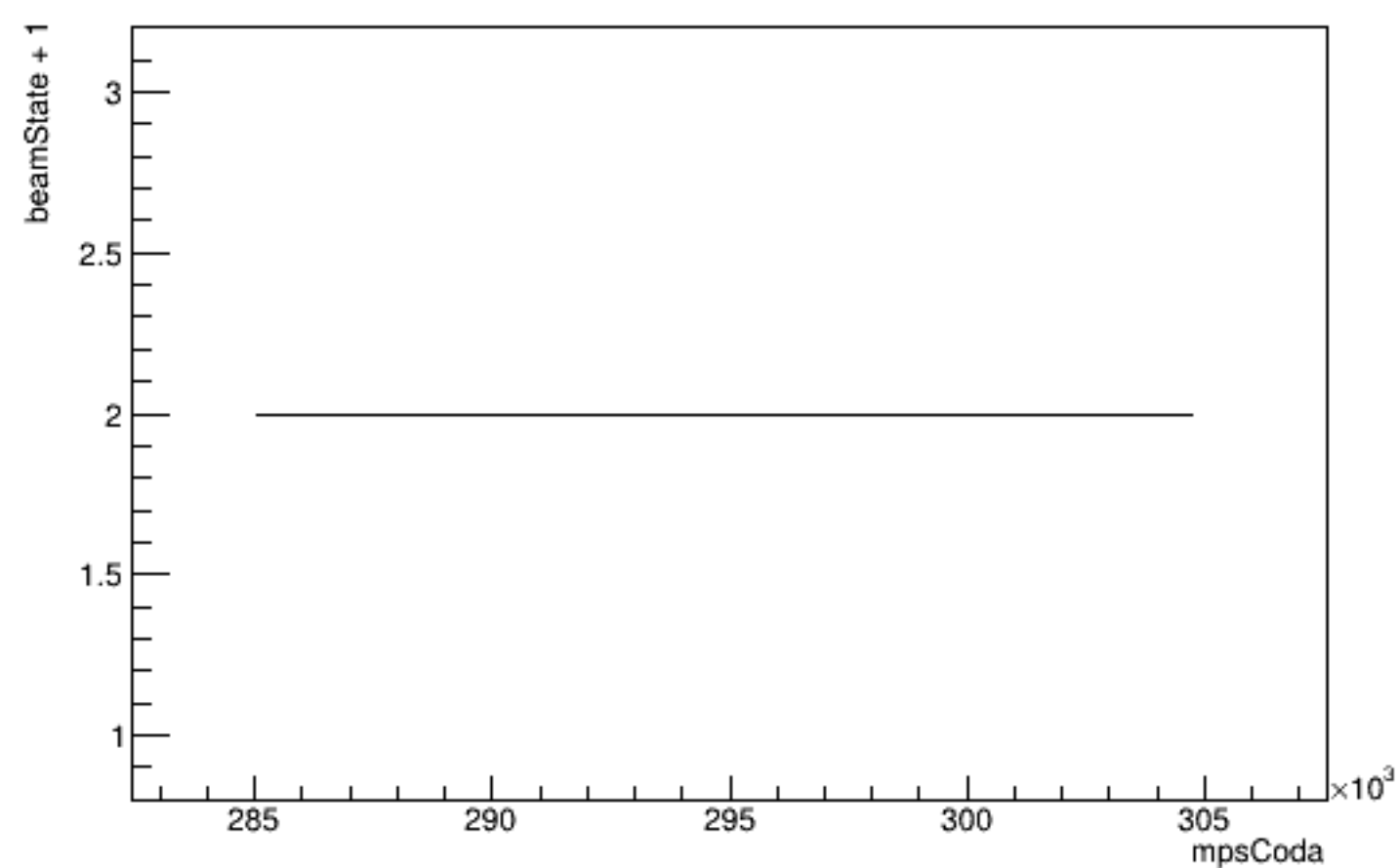
Acc0/NAcc0:mpsCoda (mpsCoda>=285038 && mpsCoda<=304749 && beamState==1)



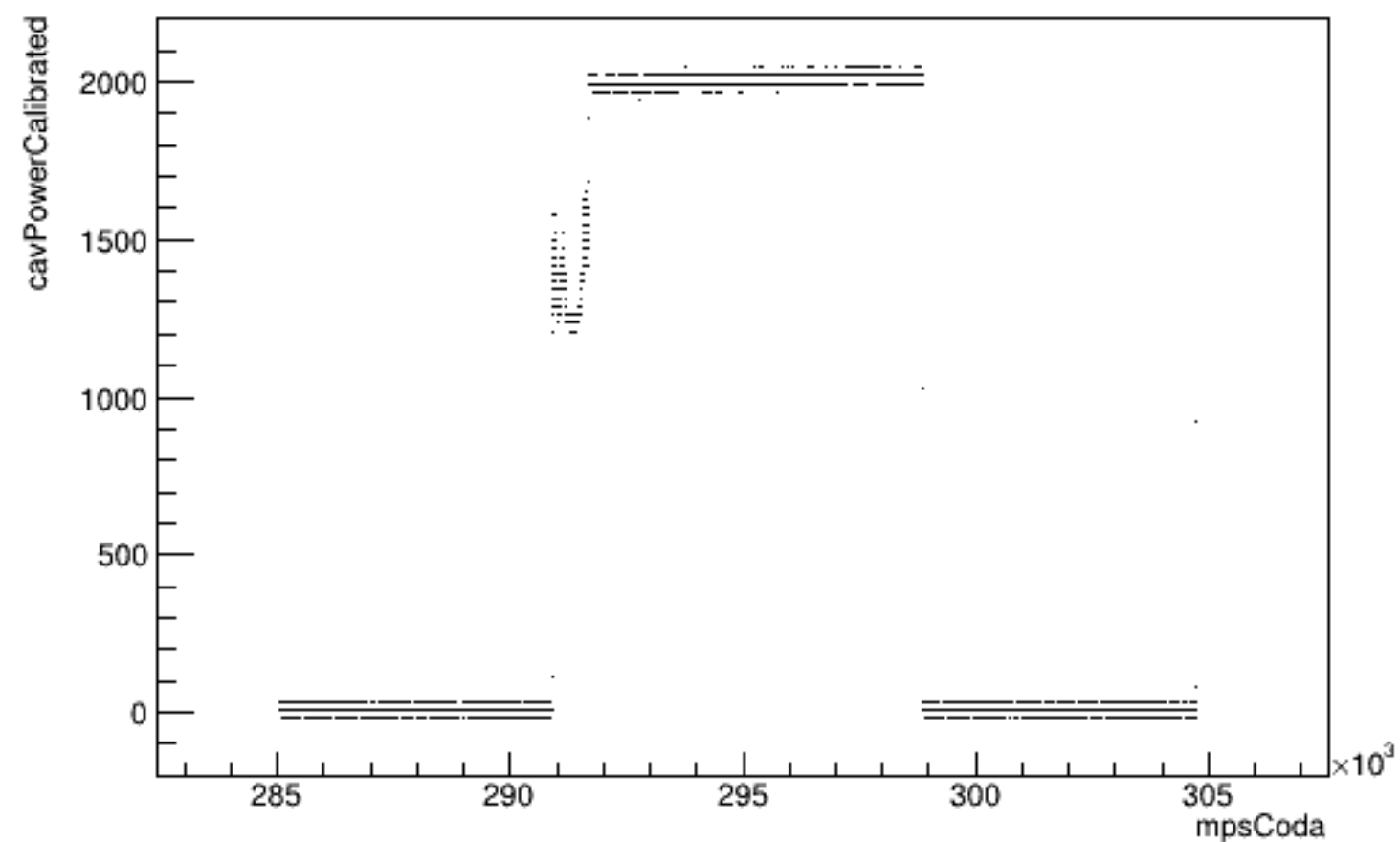
laserState:mpsCoda {mpsCoda>=285038 && mpsCoda<=304749}



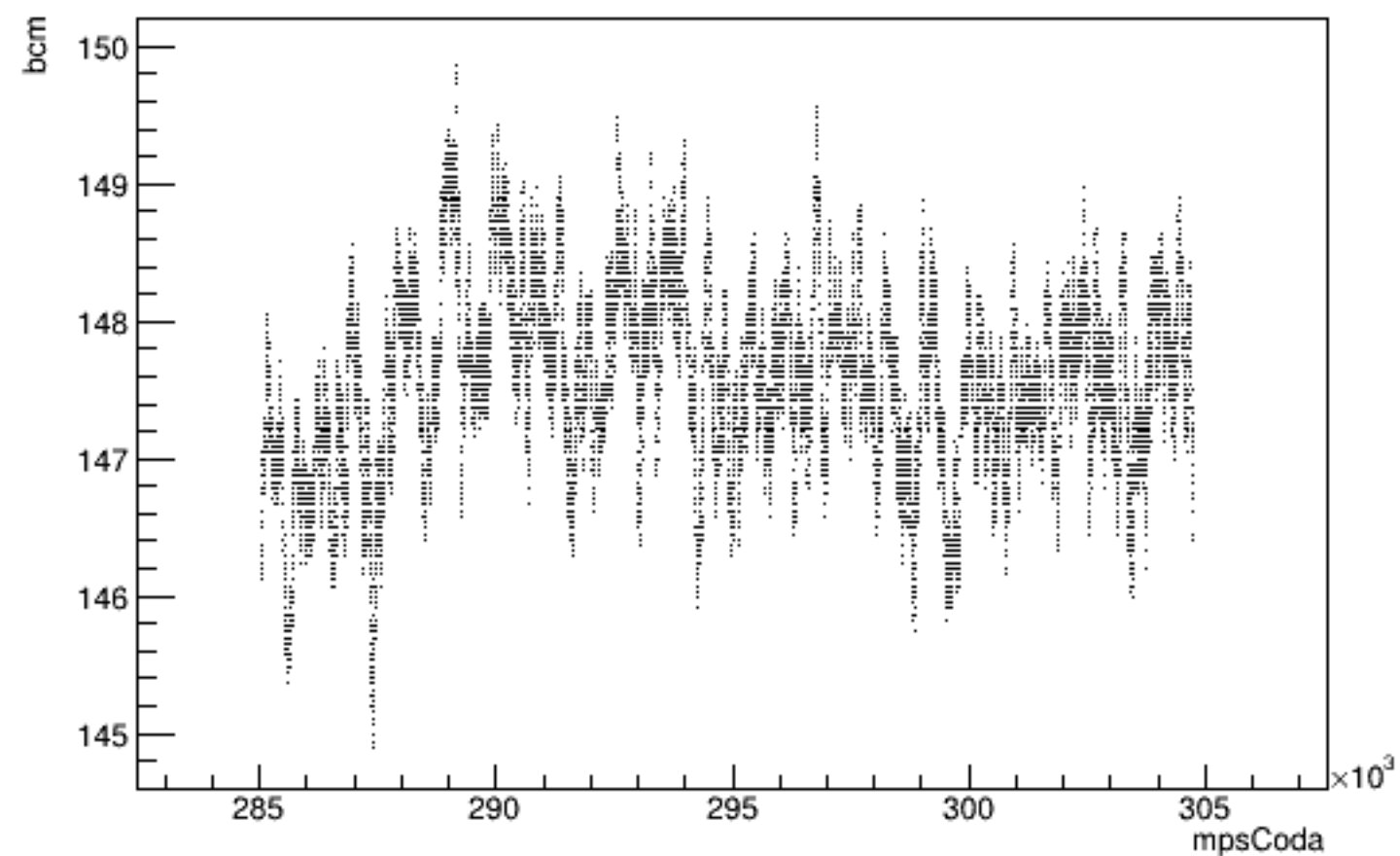
beamState + 1:mpsCoda {mpsCoda>=285038 && mpsCoda<=304749}



cavPowerCalibrated:mpsCoda {mpsCoda>=285038 && mpsCoda<=304749}



bcm:mpsCoda {mpsCoda>=285038 && mpsCoda<=304749}



Cycle 13, Diffs

Entries: 1465

Mean: -0.0109 +/- 0.0110

Std Dev: 0.4217 +/- 0.0078

Entries: 1801

Mean: 0.7603 +/- 0.0124

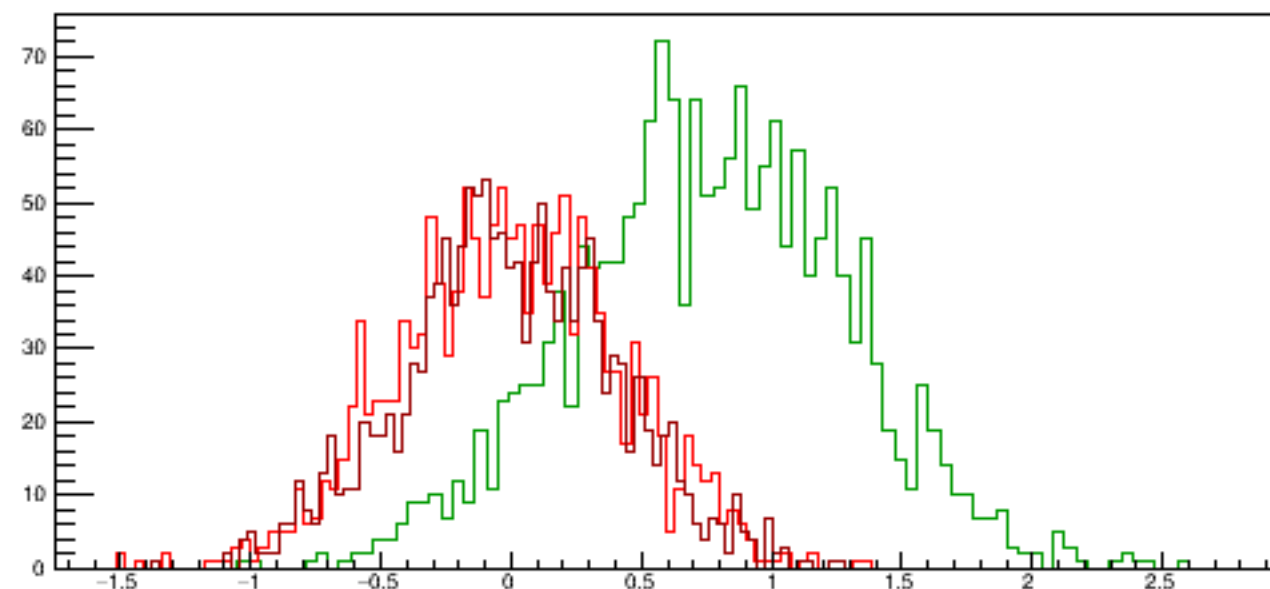
Std Dev: 0.5266 +/- 0.0088

Entries: 1485

Mean: -0.0008 +/- 0.0105

Std Dev: 0.4040 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 13, Sums

Entries: 1465

Mean: 6.8724 +/- 0.0113

Std Dev: 0.4344 +/- 0.0080

Entries: 1801

Mean: 30.8077 +/- 0.0146

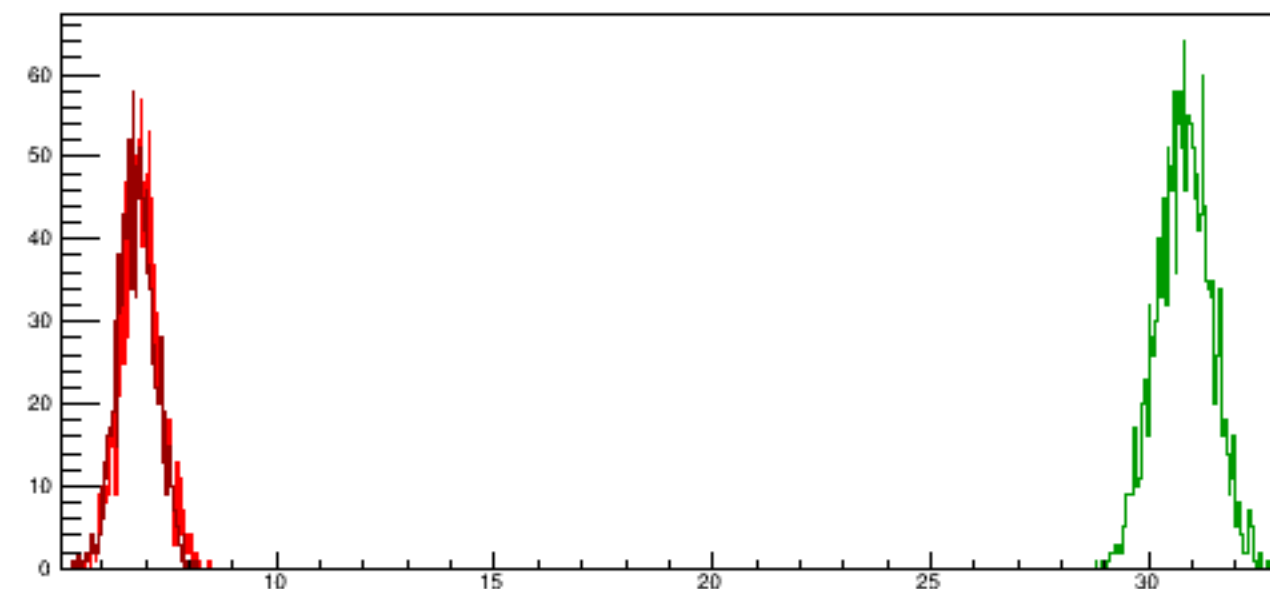
Std Dev: 0.6184 +/- 0.0103

Entries: 1485

Mean: 6.7900 +/- 0.0111

Std Dev: 0.4268 +/- 0.0078

Run 6086 quartetwise, Sums



Cycle 13, Asyms

Entries: 1465

Mean: -0.0005 +/- 0.0005

Std Dev: 0.0176 +/- 0.0003

Entries: 1801

Mean: 0.0317 +/- 0.0005

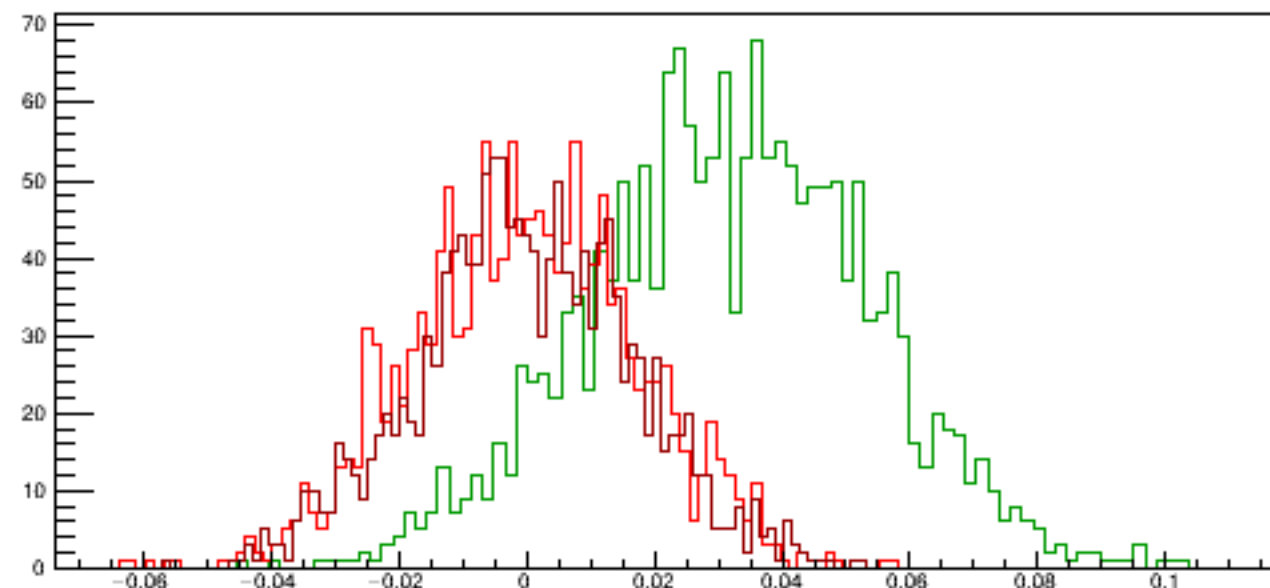
Std Dev: 0.0220 +/- 0.0004

Entries: 1485

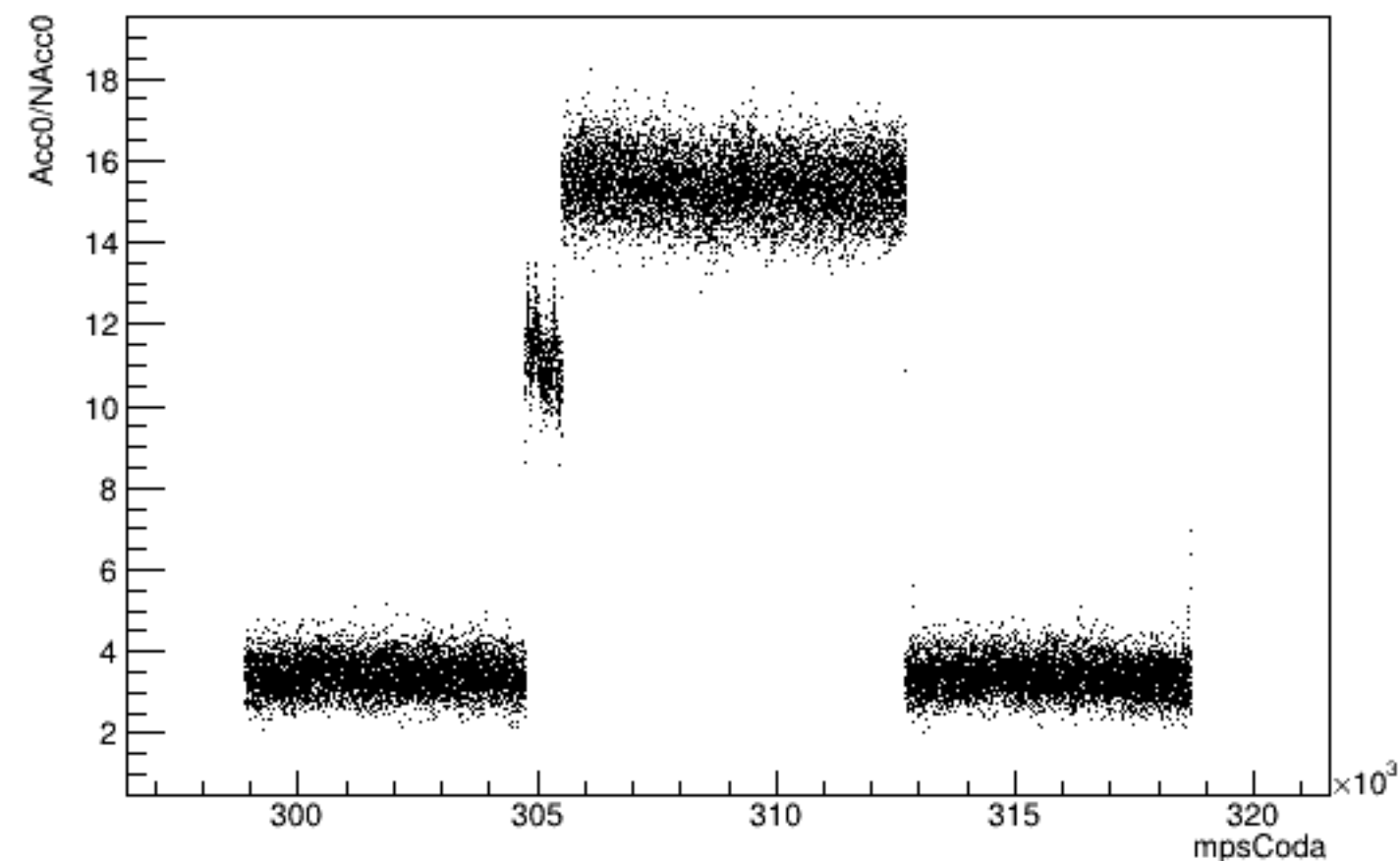
Mean: -0.0000 +/- 0.0004

Std Dev: 0.0169 +/- 0.0003

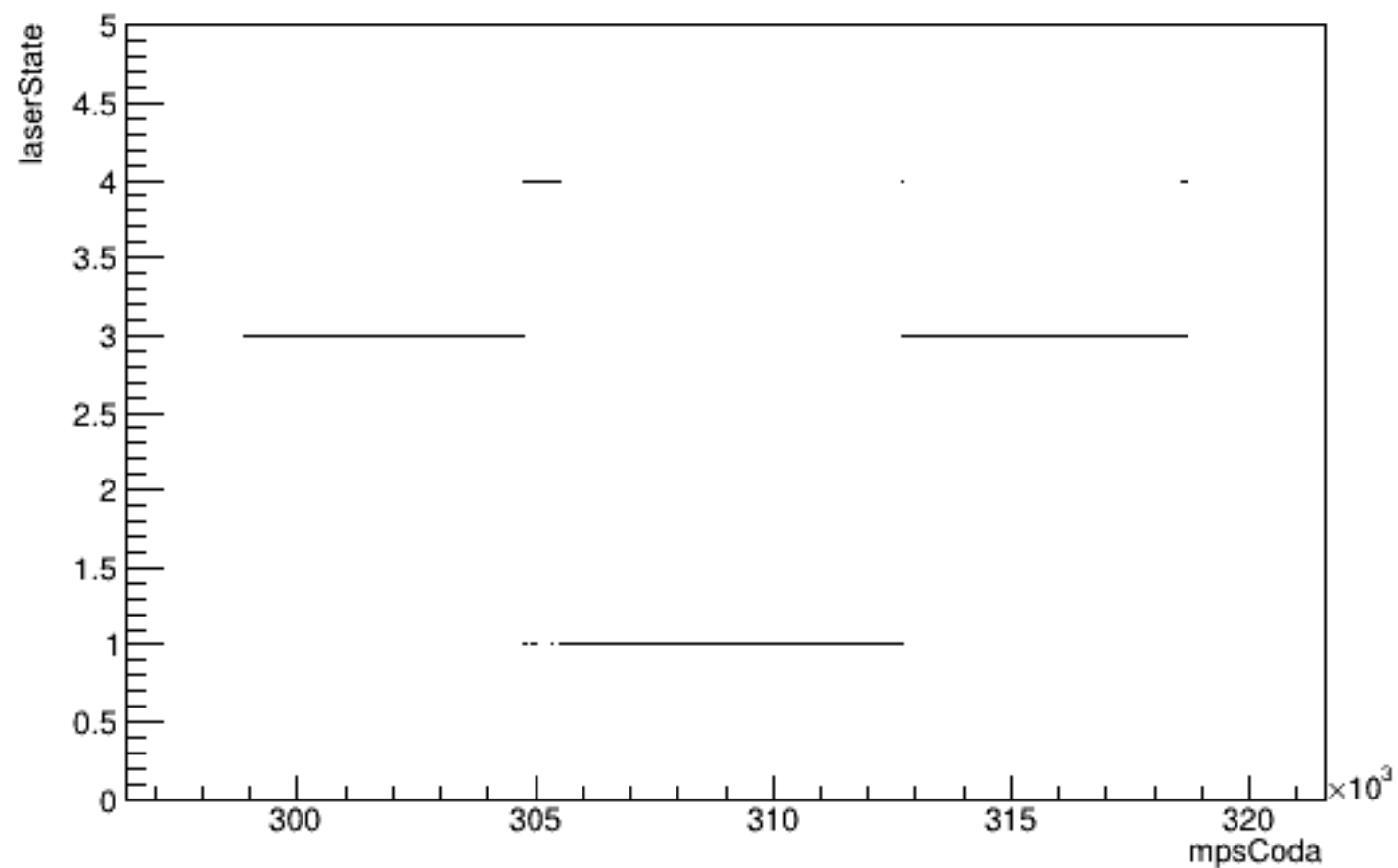
Run 6086 quartetwise, Asyms



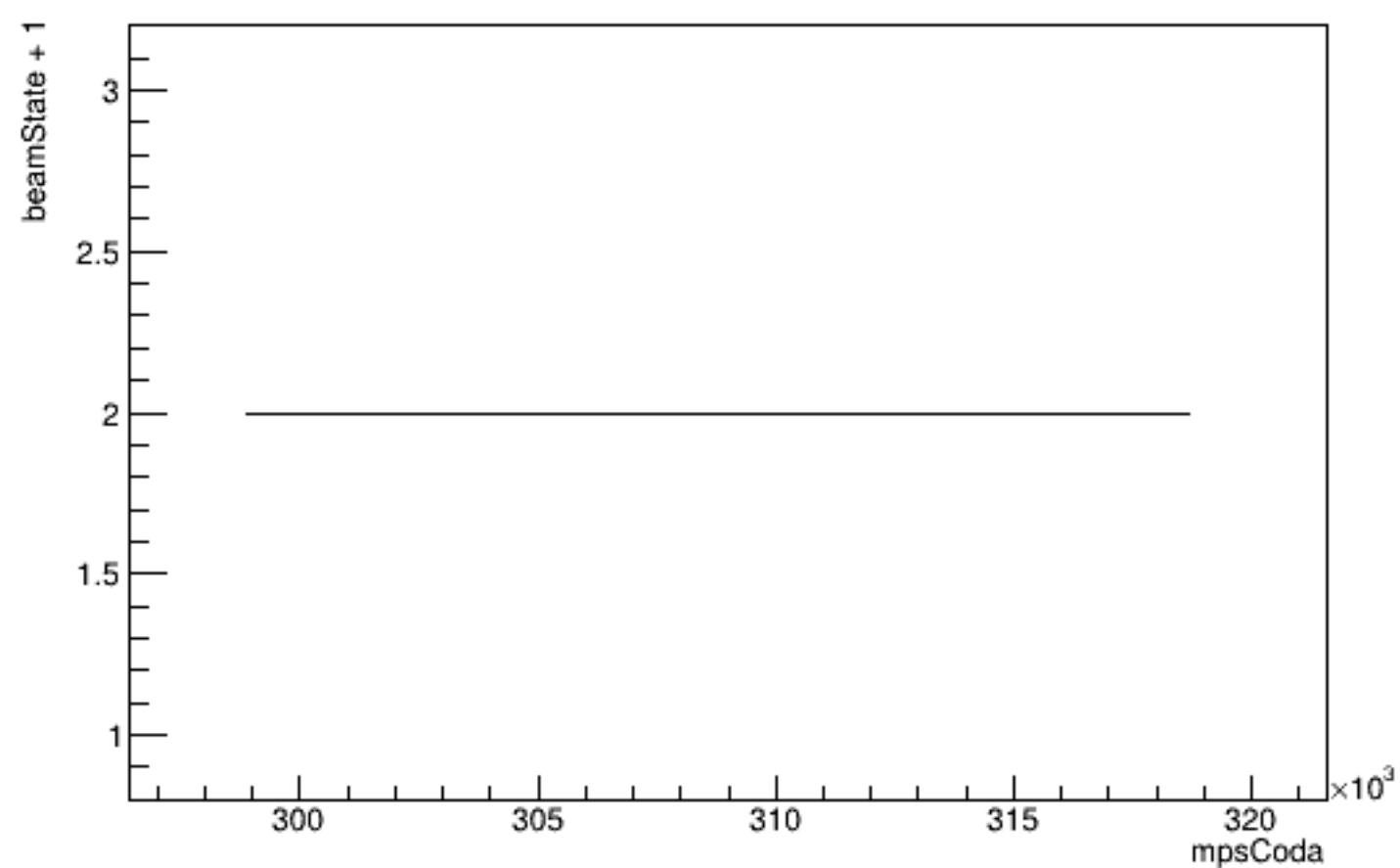
Acc0/NAcc0:mpsCoda (mpsCoda>=298886 && mpsCoda<=318693 && beamState==1)



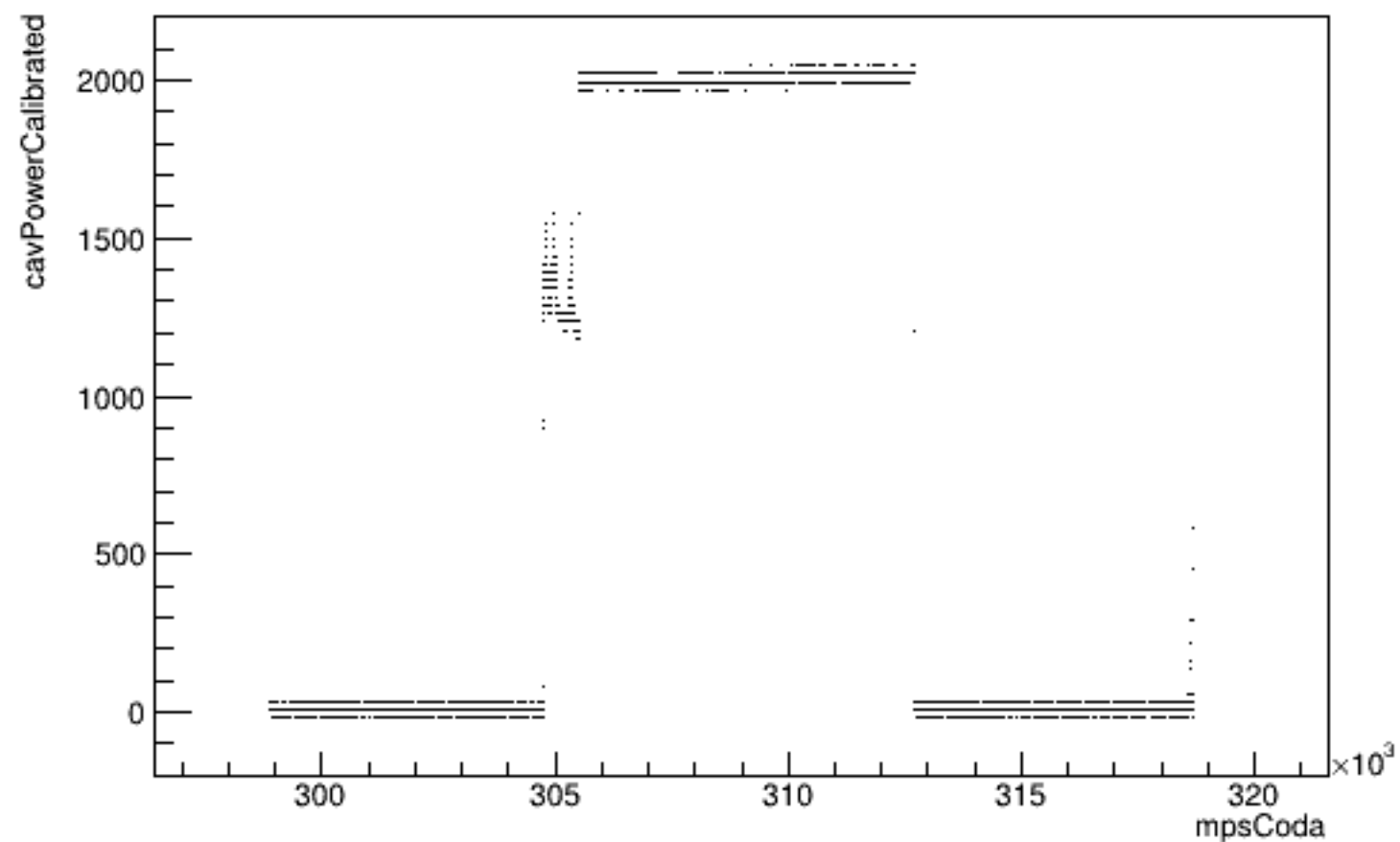
laserState:mpsCoda {mpsCoda>=298886 && mpsCoda<=318693}



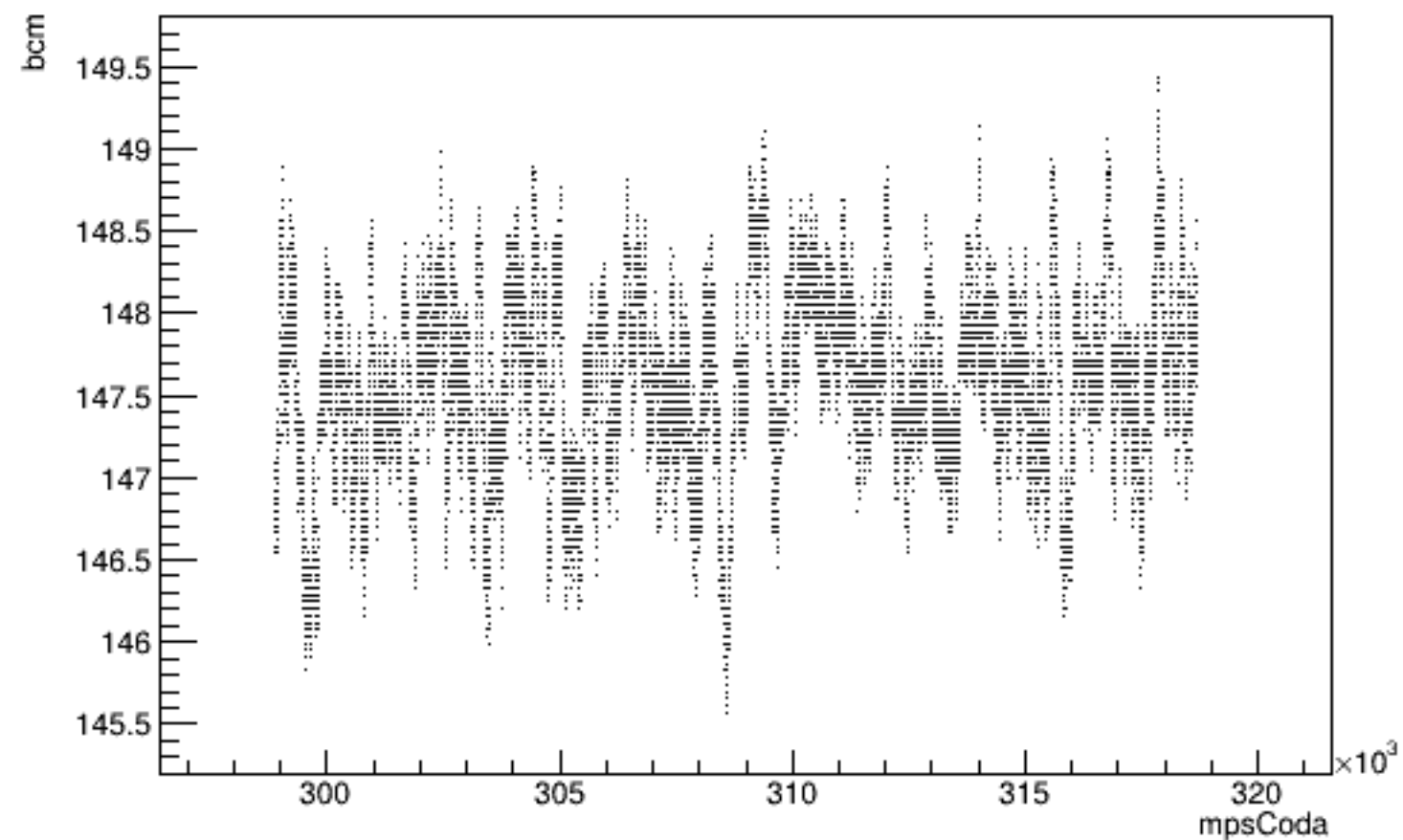
beamState + 1:mpsCoda {mpsCoda>=298886 && mpsCoda<=318693}



cavPowerCalibrated:mpsCoda {mpsCoda>=298886 && mpsCoda<=318693}



bcm:mpsCoda {mpsCoda>=298886 && mpsCoda<=318693}



Cycle 14, Diffs

Entries: 1483

Mean: -0.0159 +/- 0.0104

Std Dev: 0.3987 +/- 0.0073

Entries: 1001

Mean: 0.7387 +/- 0.0167

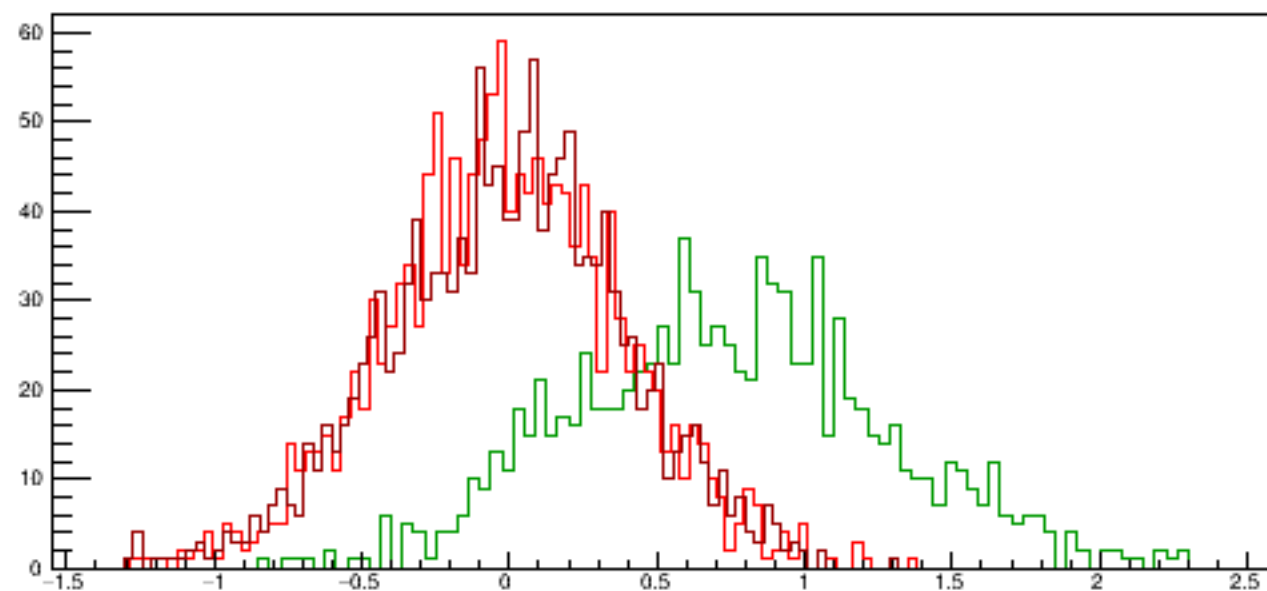
Std Dev: 0.5290 +/- 0.0118

Entries: 1467

Mean: -0.0099 +/- 0.0105

Std Dev: 0.4025 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 14, Sums

Entries: 1483

Mean: 7.3718 +/- 0.0113

Std Dev: 0.4337 +/- 0.0080

Entries: 1001

Mean: 31.2625 +/- 0.0211

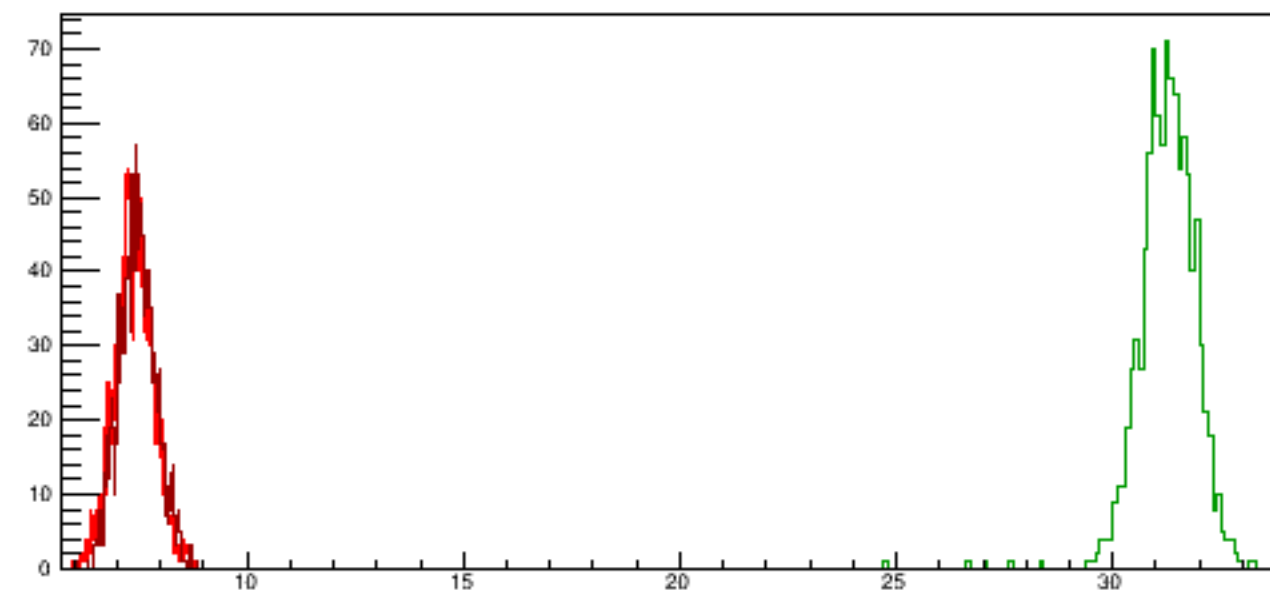
Std Dev: 0.6686 +/- 0.0149

Entries: 1467

Mean: 7.4702 +/- 0.0109

Std Dev: 0.4186 +/- 0.0077

Run 6086 quartetwise, Sums



Cycle 14, Asyms

Entries: 1483

Mean: -0.0007 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

Entries: 1001

Mean: 0.0310 +/- 0.0007

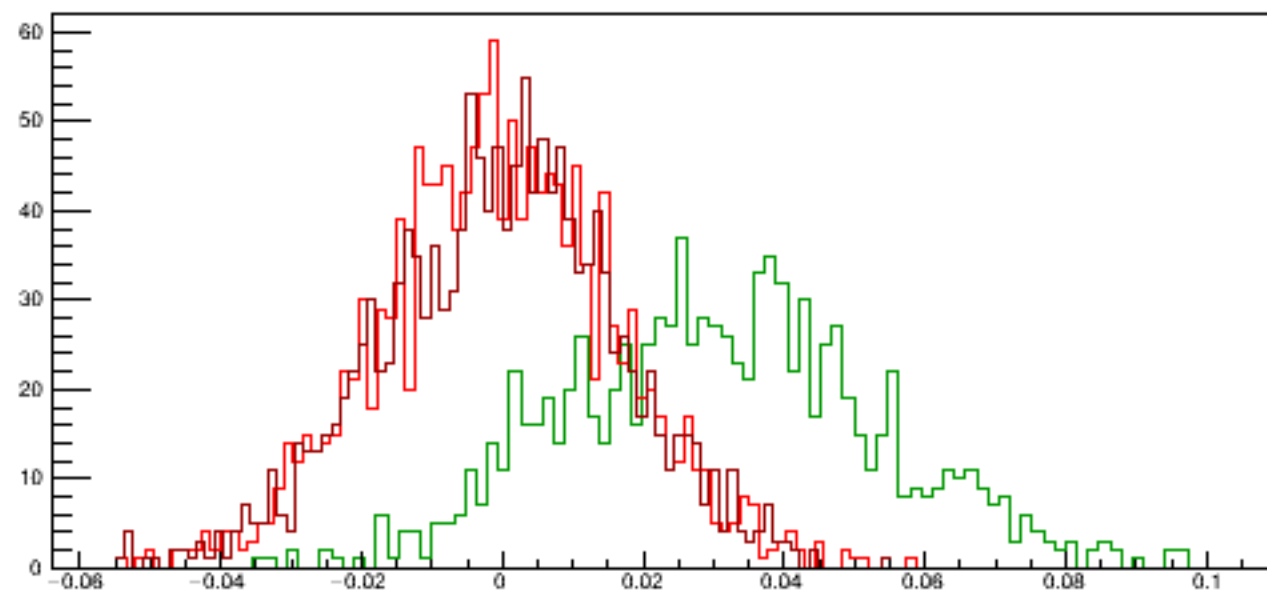
Std Dev: 0.0222 +/- 0.0005

Entries: 1467

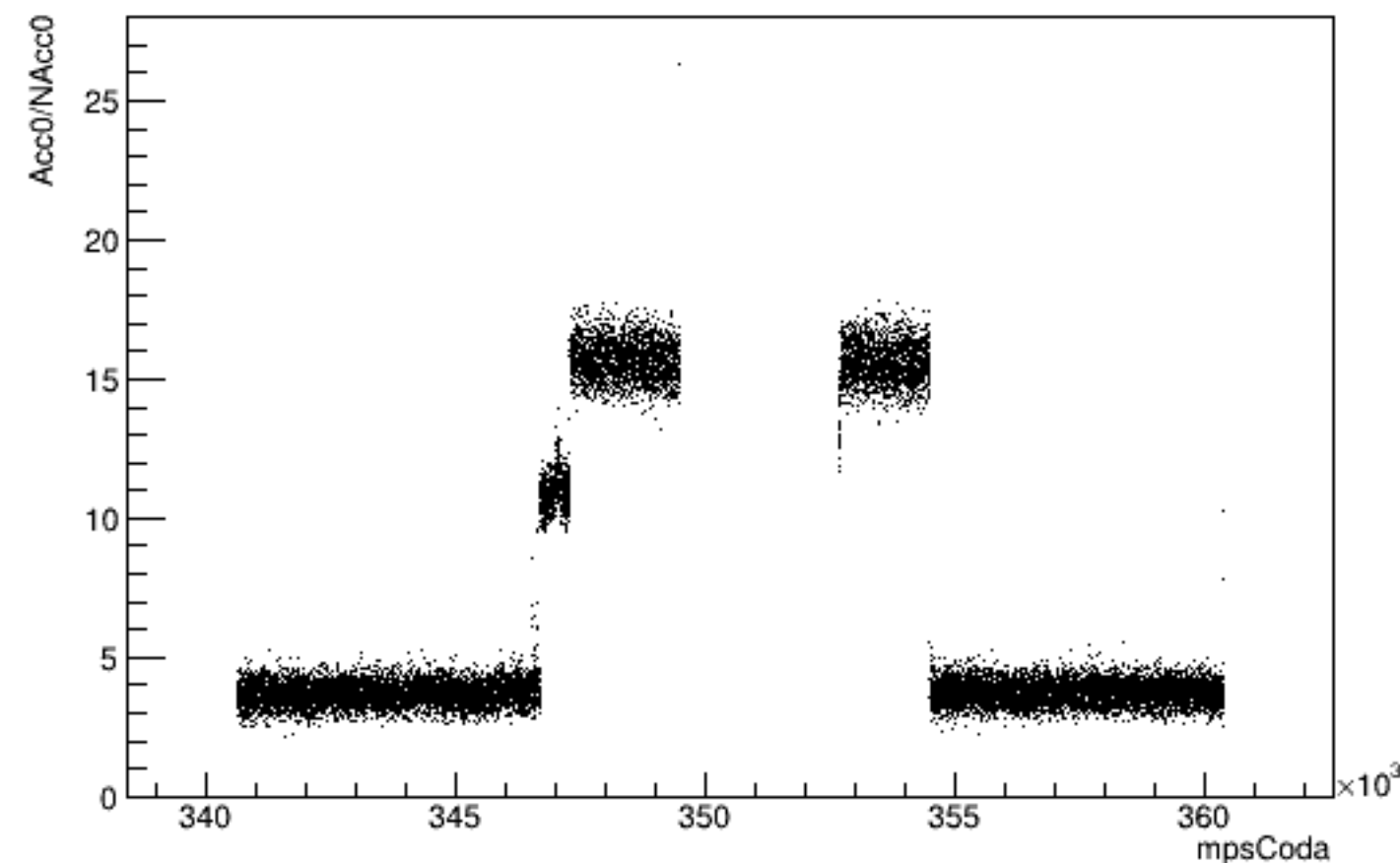
Mean: -0.0004 +/- 0.0004

Std Dev: 0.0169 +/- 0.0003

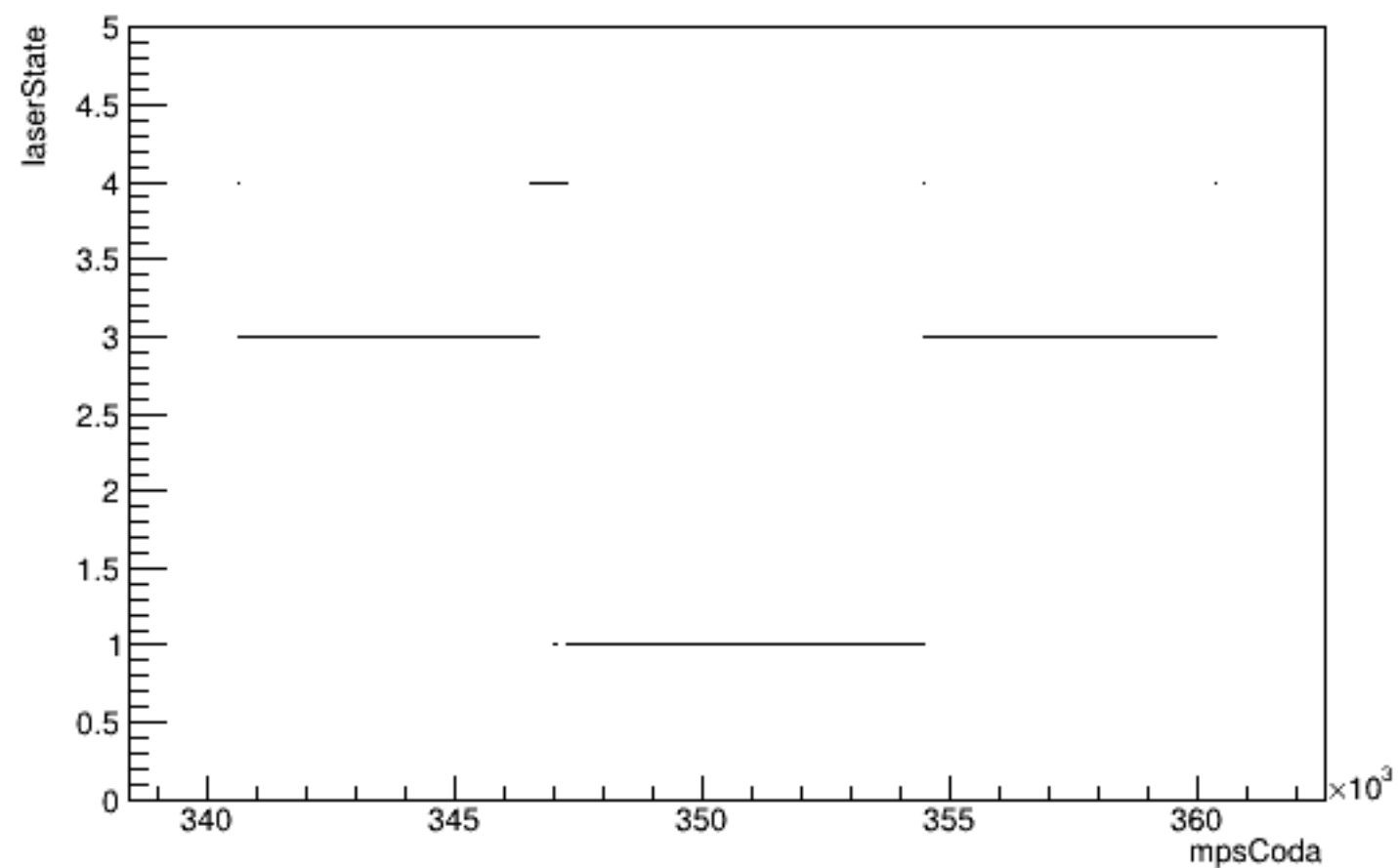
Run 6086 quartetwise, Asyms



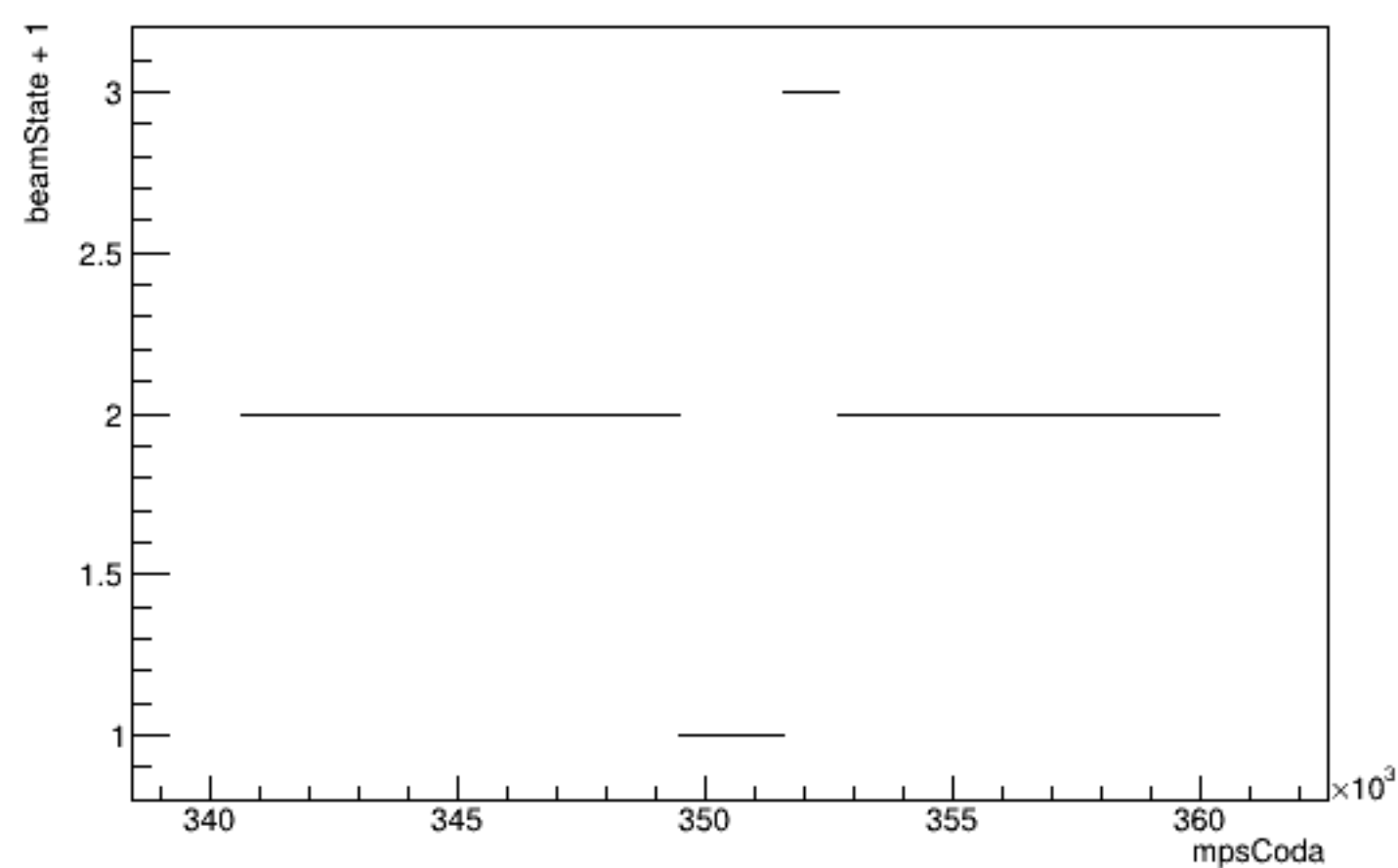
Acc0/NAcc0:mpsCoda (mpsCoda>=340642 && mpsCoda<=360373 && beamState==1)



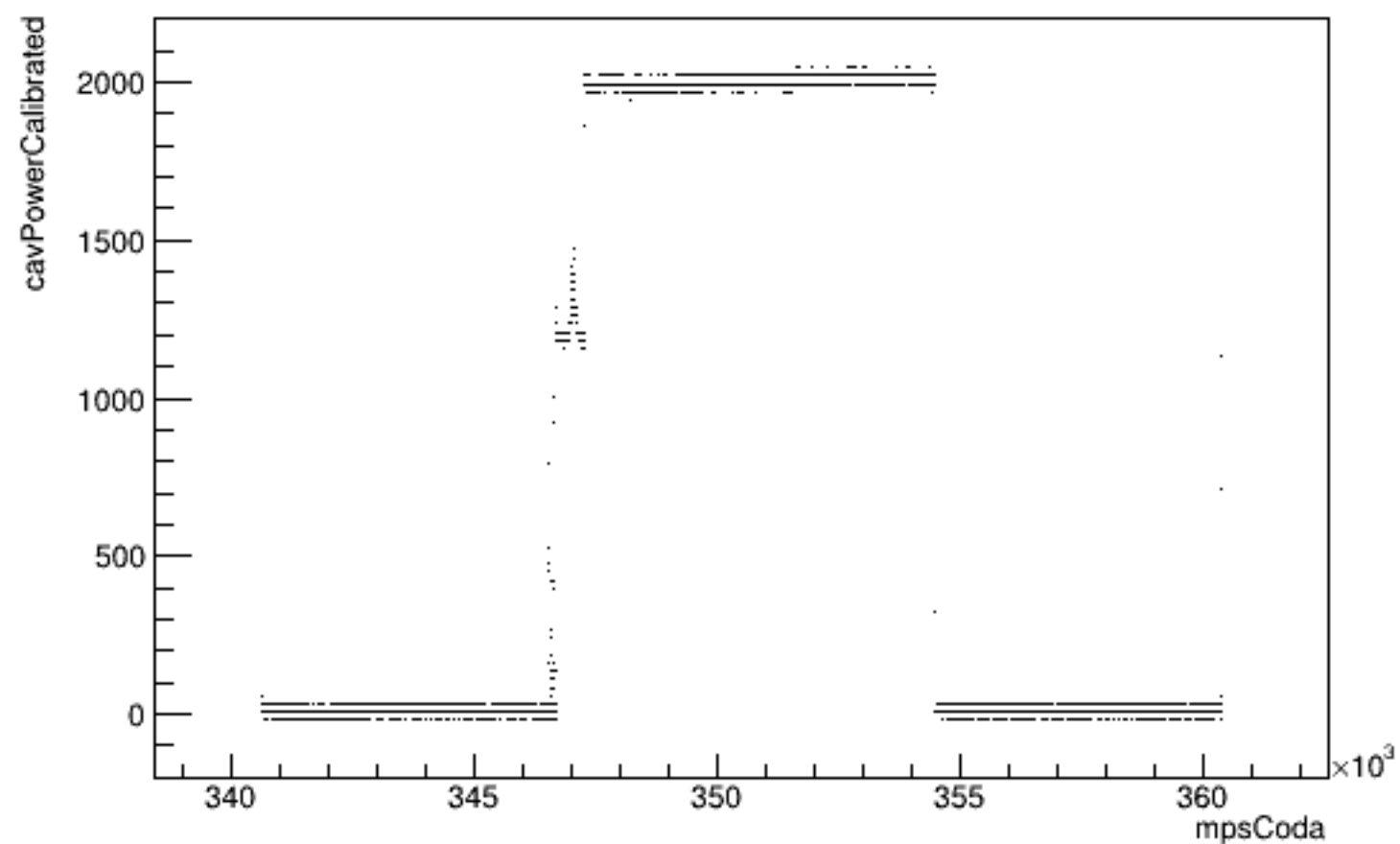
laserState:mpsCoda {mpsCoda>=340642 && mpsCoda<=360373}



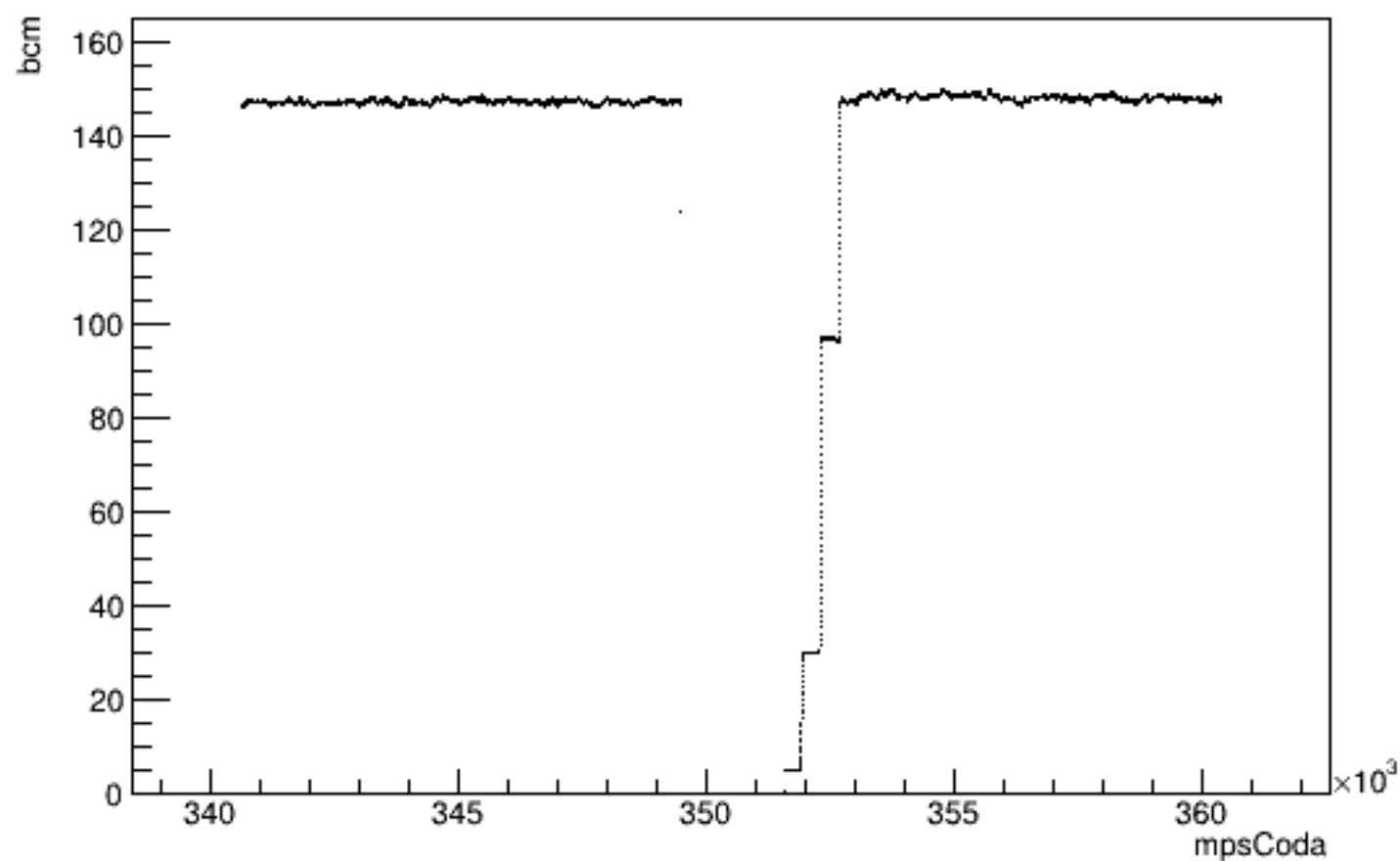
beamState + 1:mpsCoda {mpsCoda>=340642 && mpsCoda<=360373}



cavPowerCalibrated:mpsCoda {mpsCoda>=340642 && mpsCoda<=360373}



bcm:mpsCoda {mpsCoda>=340642 && mpsCoda<=360373}



Cycle 15, Diffs

Entries: 1467

Mean: -0.0099 +/- 0.0105

Std Dev: 0.4025 +/- 0.0074

Entries: 1800

Mean: 0.7752 +/- 0.0125

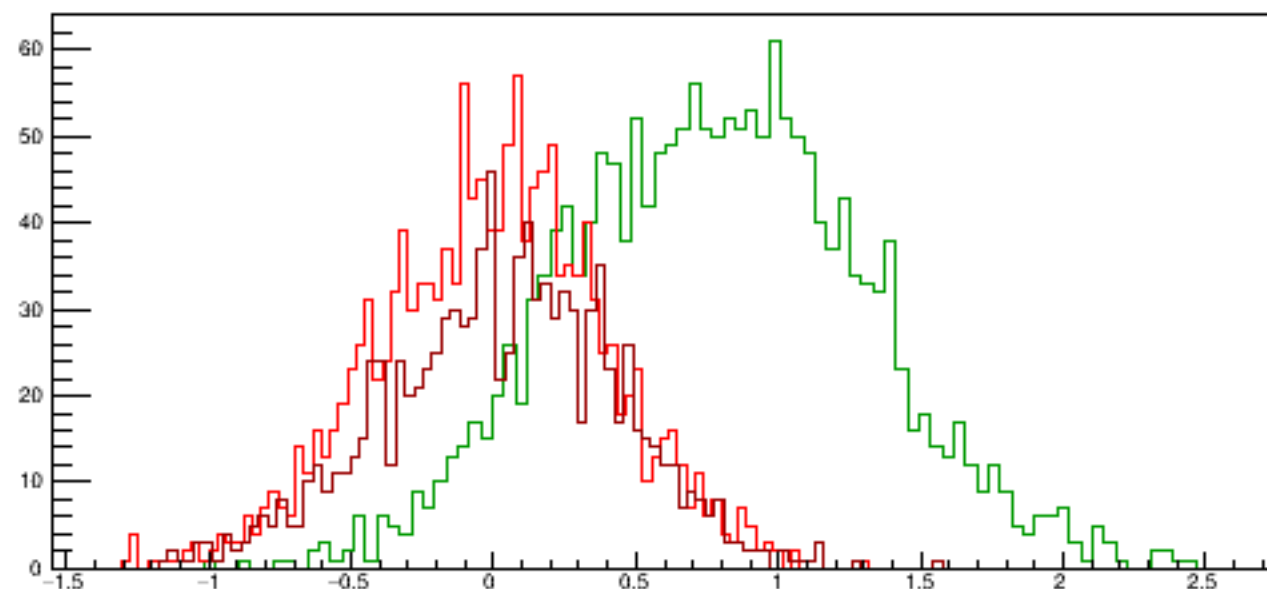
Std Dev: 0.5286 +/- 0.0088

Entries: 1063

Mean: 0.0281 +/- 0.0126

Std Dev: 0.4115 +/- 0.0089

Run 6086 quartetwise, Diffs



Cycle 15, Sums

Entries: 1467

Mean: 7.4702 +/- 0.0109

Std Dev: 0.4186 +/- 0.0077

Entries: 1800

Mean: 31.4154 +/- 0.0150

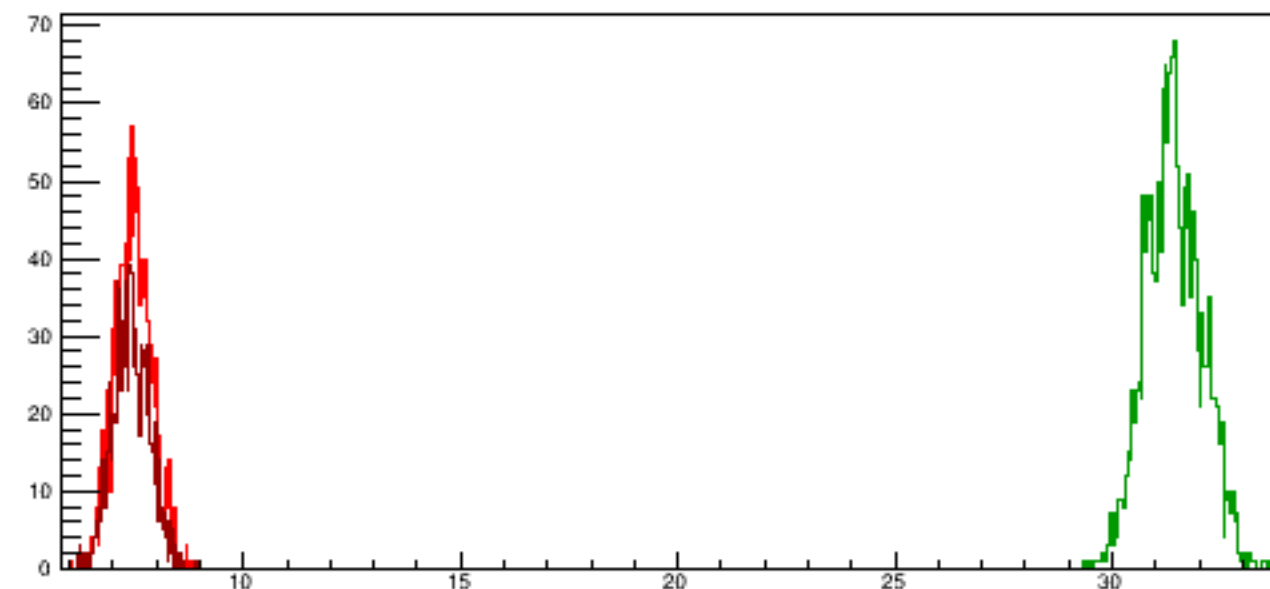
Std Dev: 0.6346 +/- 0.0106

Entries: 1063

Mean: 7.4122 +/- 0.0129

Std Dev: 0.4192 +/- 0.0091

Run 6086 quartetwise, Sums



Cycle 15, Asyms

Entries: 1467

Mean: -0.0004 +/- 0.0004

Std Dev: 0.0168 +/- 0.0003

Entries: 1800

Mean: 0.0324 +/- 0.0005

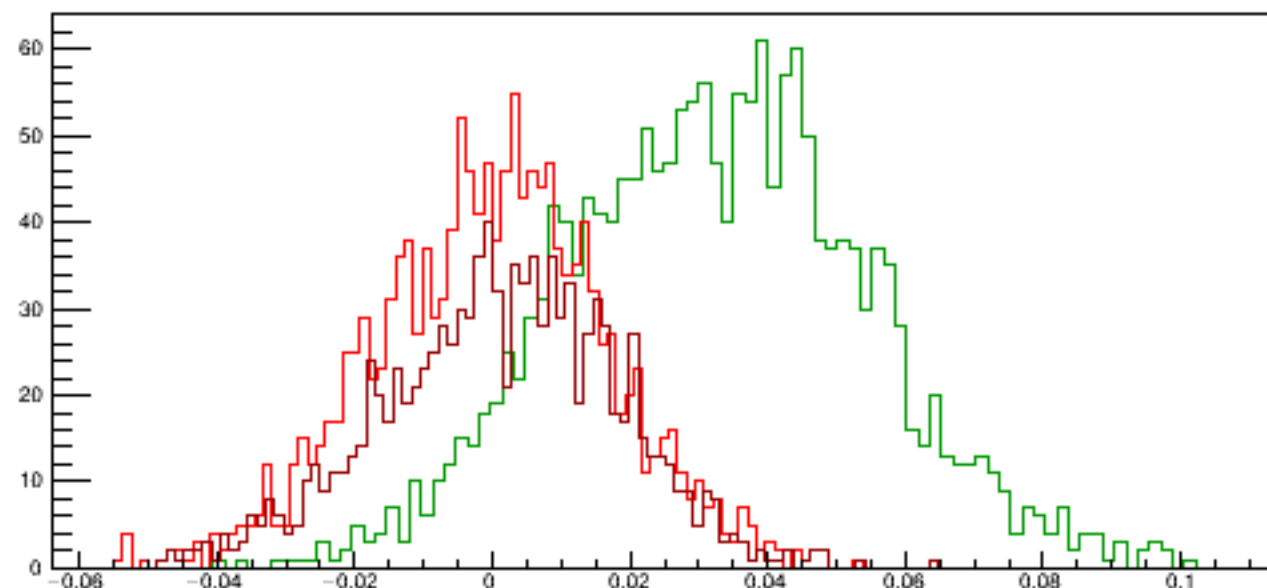
Std Dev: 0.0221 +/- 0.0004

Entries: 1063

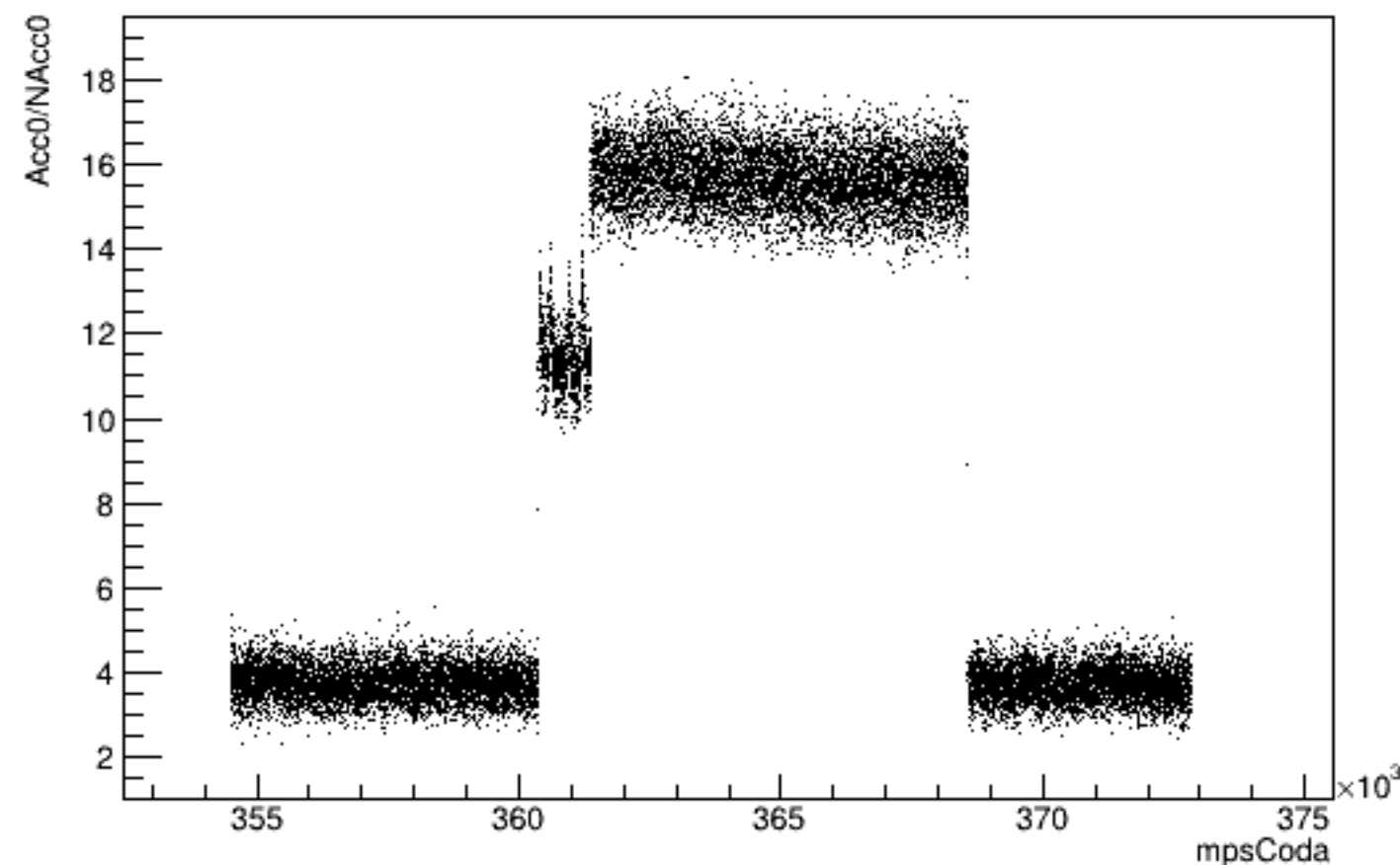
Mean: 0.0012 +/- 0.0005

Std Dev: 0.0172 +/- 0.0004

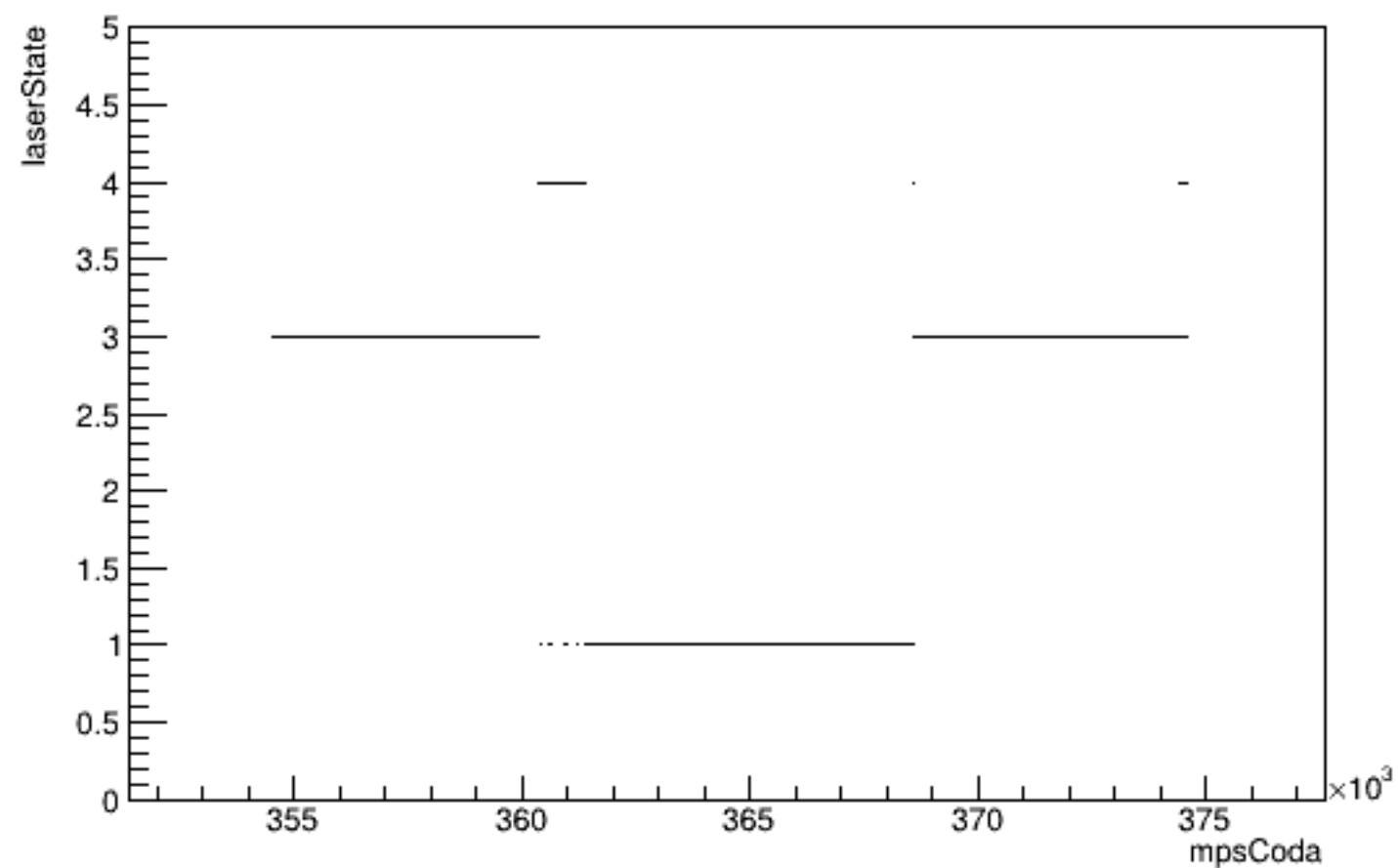
Run 6086 quartetwise, Asyms



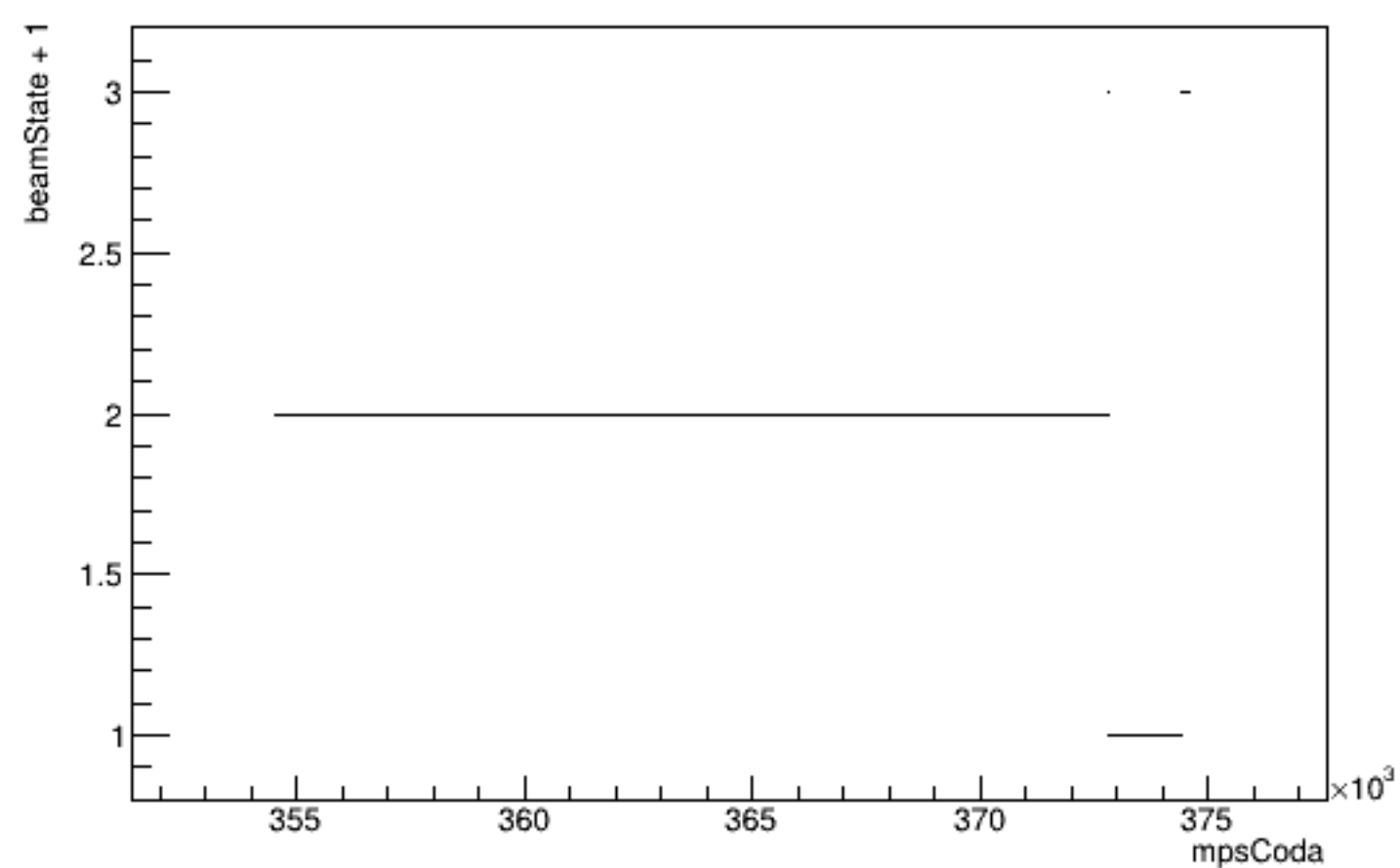
Acc0/NAcc0:mpsCoda (mpsCoda>=354498 && mpsCoda<=374597 && beamState==1)



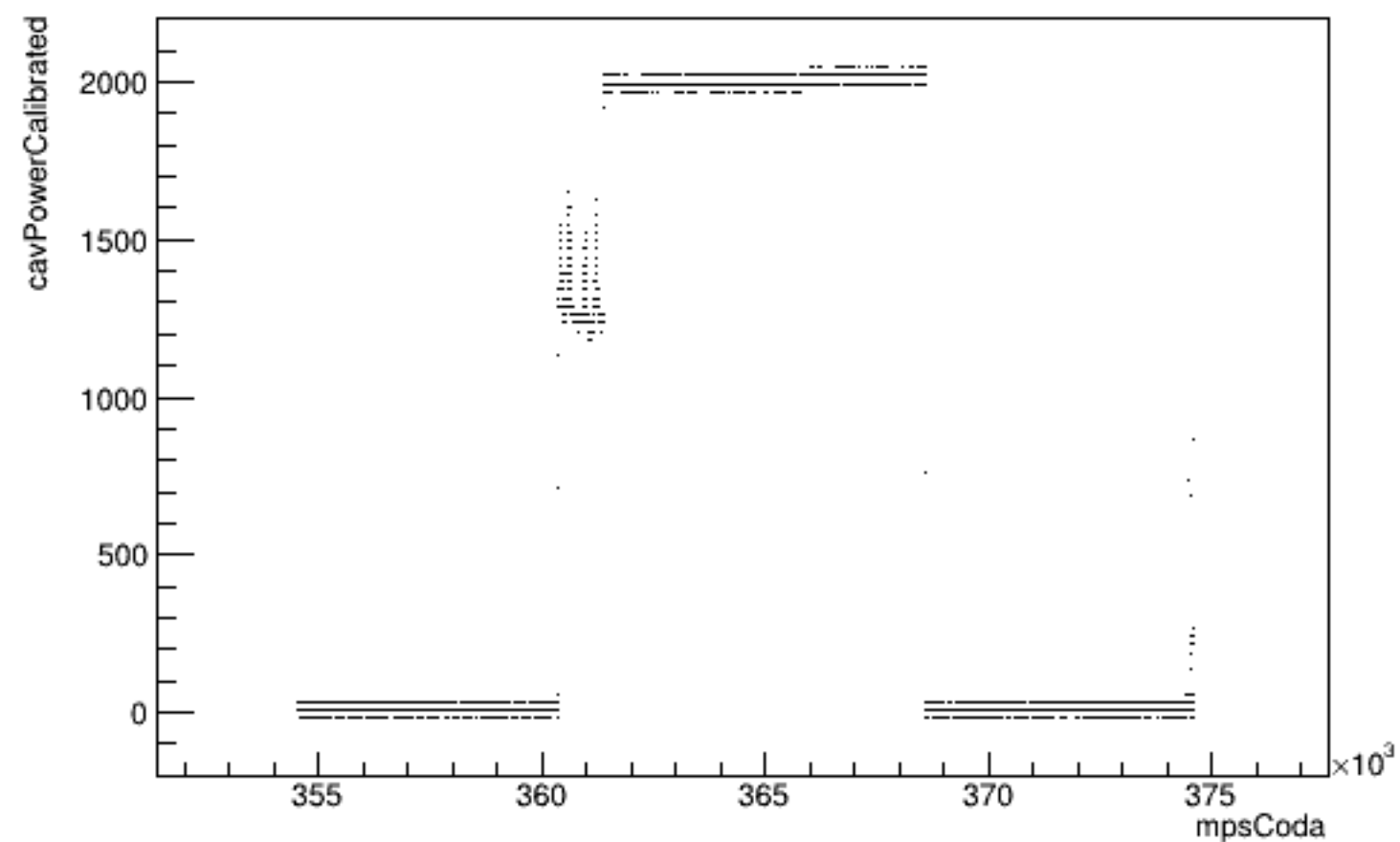
laserState:mpsCoda {mpsCoda>=354498 && mpsCoda<=374597}



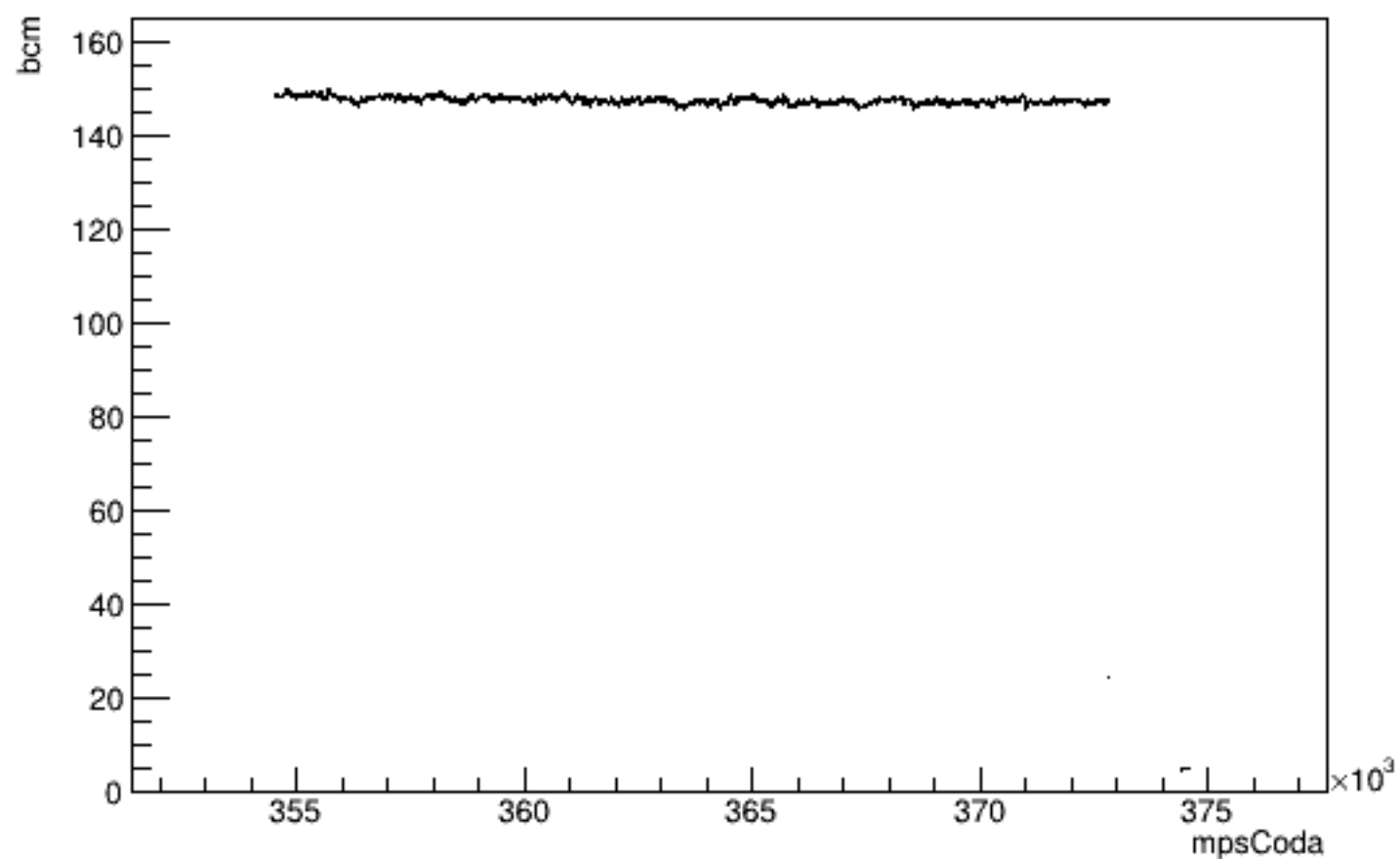
beamState + 1:mpsCoda {mpsCoda>=354498 && mpsCoda<=374597}



cavPowerCalibrated:mpsCoda {mpsCoda>=354498 && mpsCoda<=374597}



bcm:mpsCoda {mpsCoda>=354498 && mpsCoda<=374597}



Cycle 16, Diffs

Entries: 1063

Mean: 0.0281 +/- 0.0126

Std Dev: 0.4115 +/- 0.0089

Entries: 1032

Mean: 0.7239 +/- 0.0167

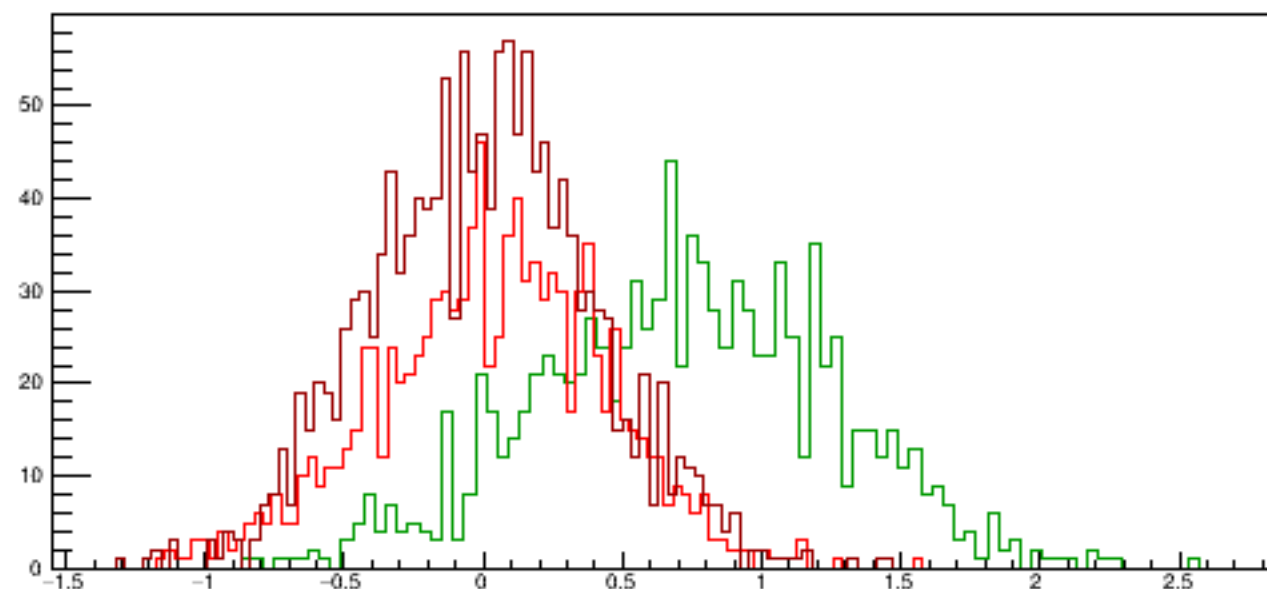
Std Dev: 0.5370 +/- 0.0118

Entries: 1486

Mean: 0.0014 +/- 0.0103

Std Dev: 0.3964 +/- 0.0073

Run 6086 quartetwise, Diffs



Cycle 16, Sums

Entries: 1063

Mean: 7.4122 +/- 0.0129

Std Dev: 0.4192 +/- 0.0091

Entries: 1032

Mean: 30.6649 +/- 0.0254

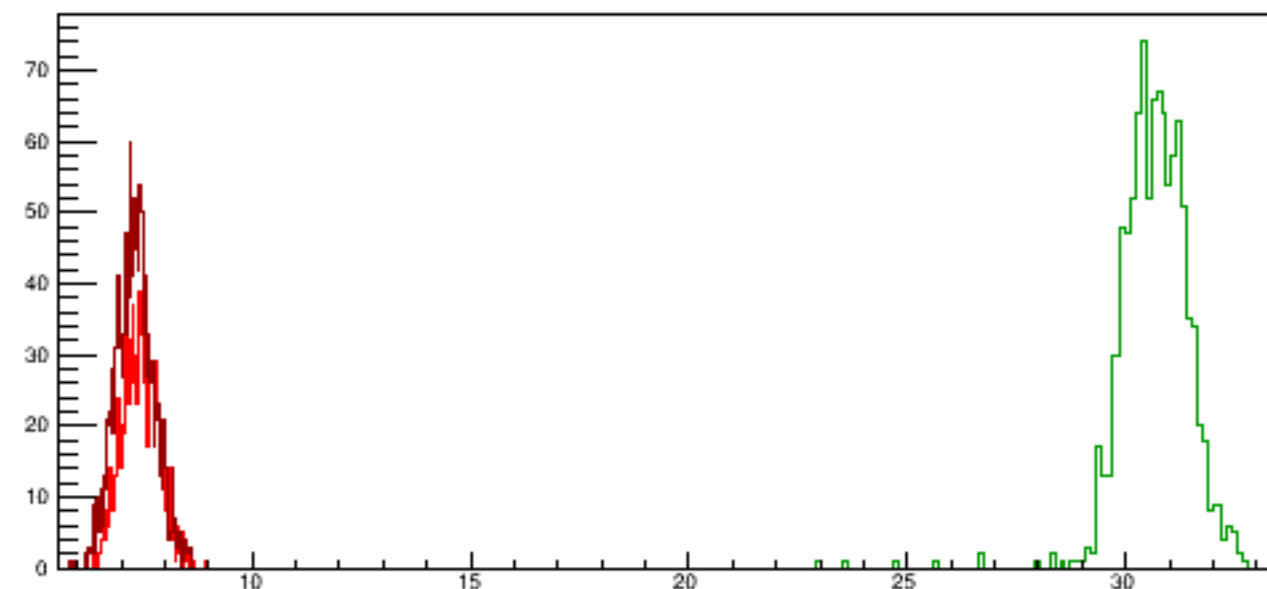
Std Dev: 0.8146 +/- 0.0179

Entries: 1486

Mean: 7.3085 +/- 0.0113

Std Dev: 0.4346 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 16, Asyms

Entries: 1063

Mean: 0.0012 +/- 0.0005

Std Dev: 0.0177 +/- 0.0004

Entries: 1032

Mean: 0.0311 +/- 0.0007

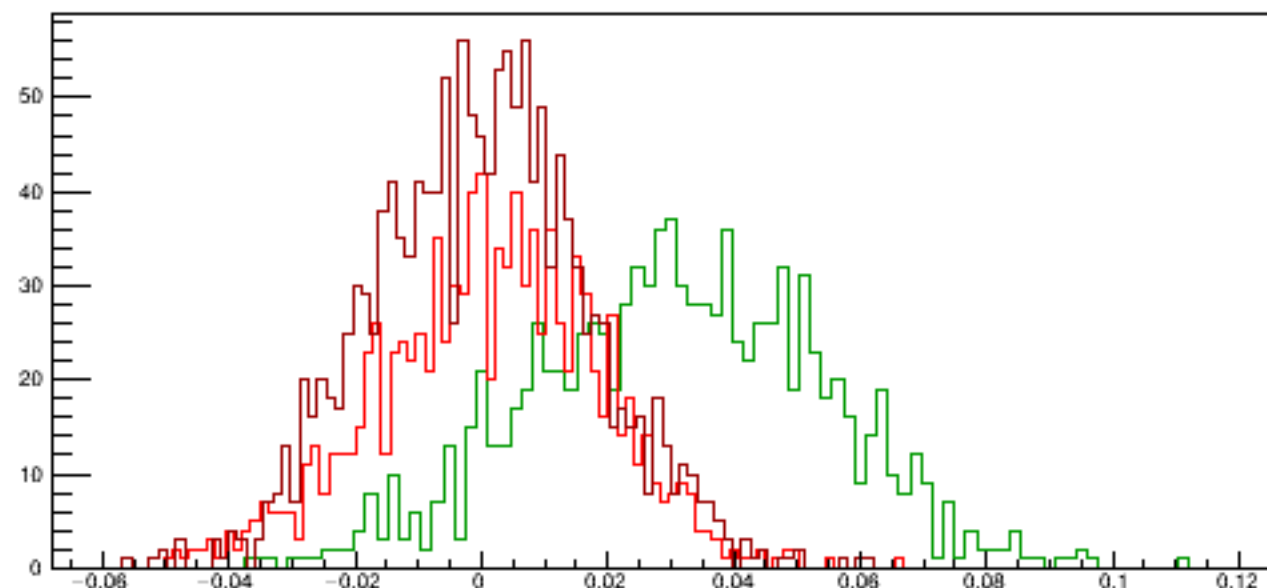
Std Dev: 0.0231 +/- 0.0005

Entries: 1486

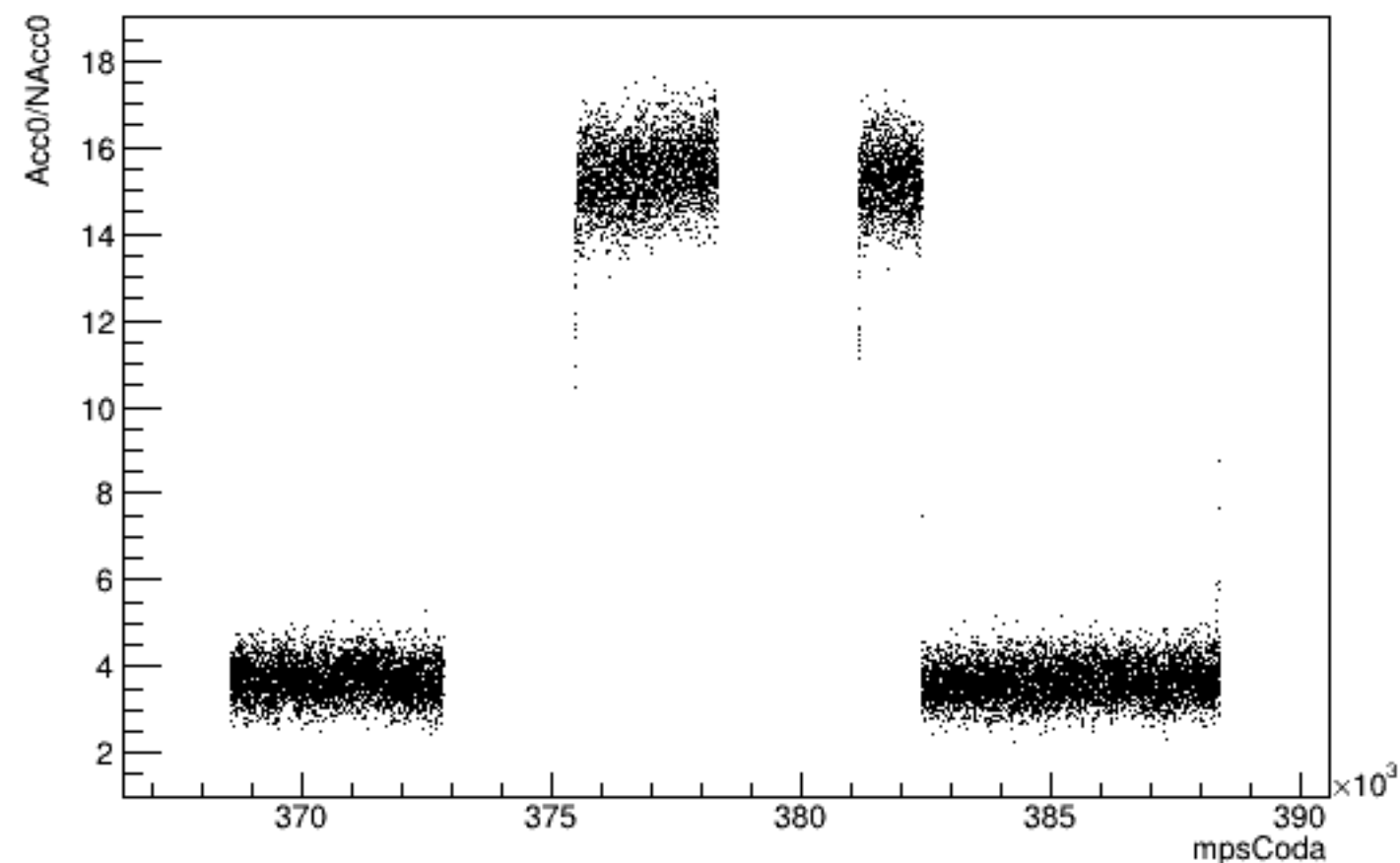
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

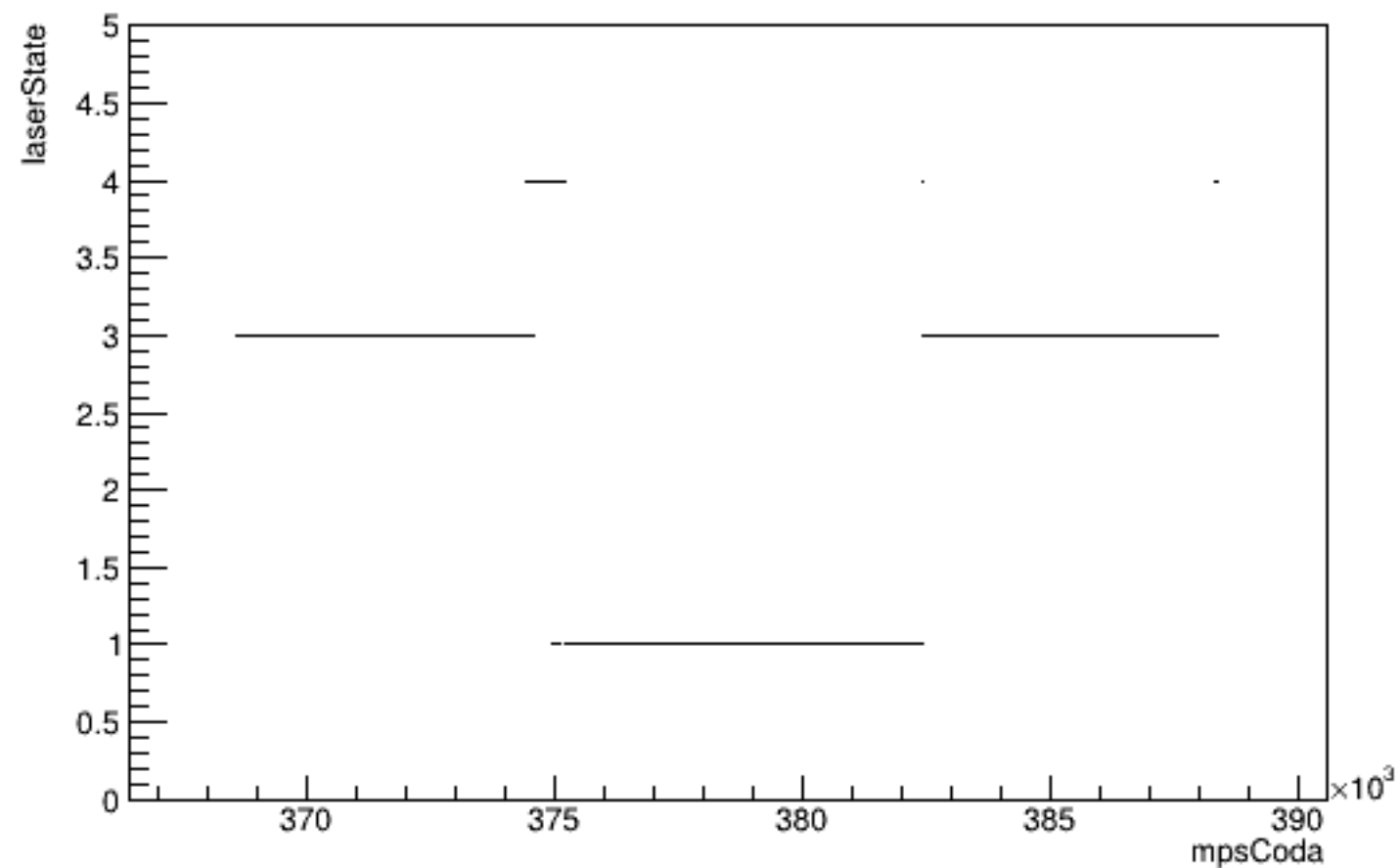
Run 6086 quartetwise, Asyms



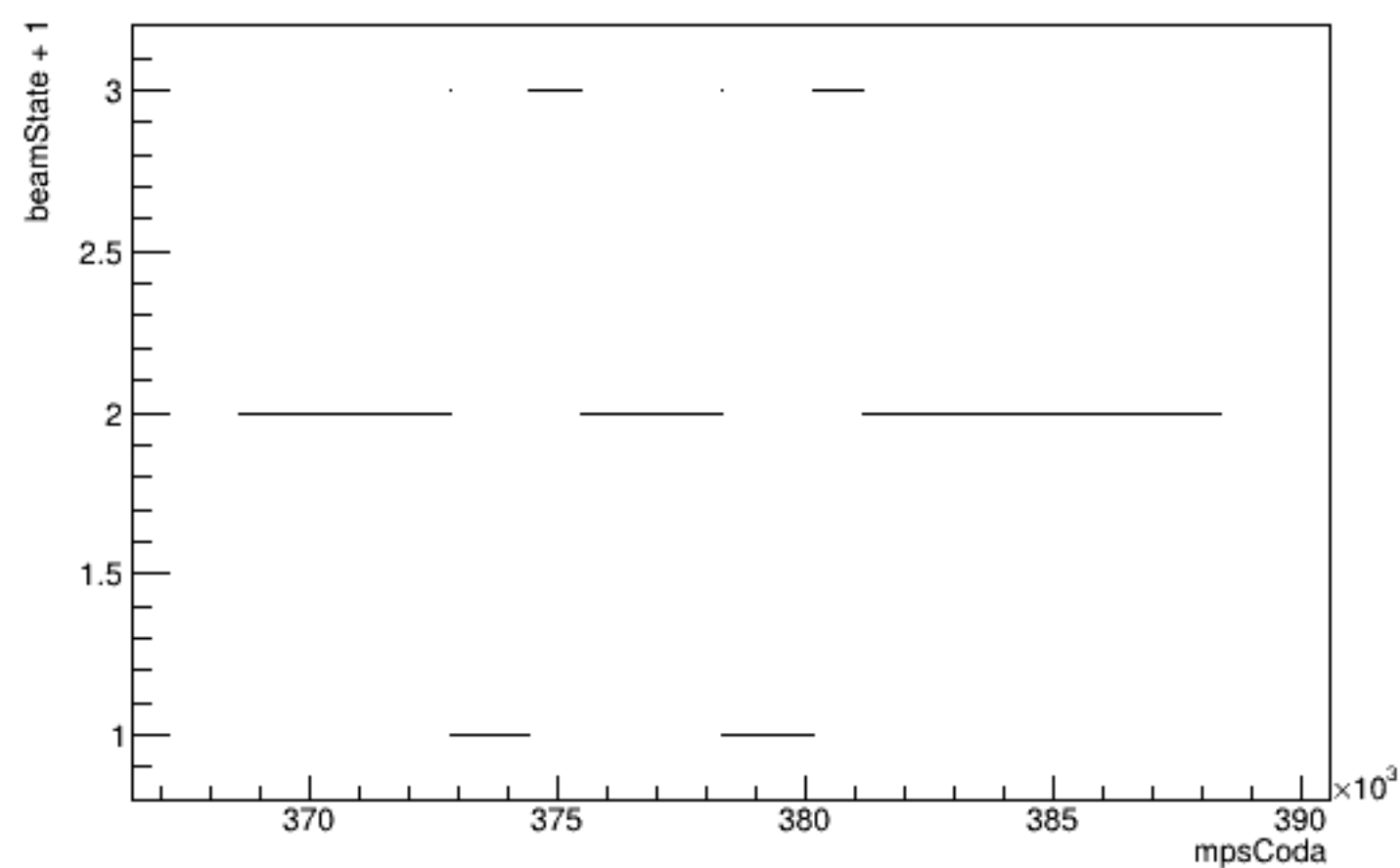
Acc0/NAcc0:mpsCoda (mpsCoda>=368574 && mpsCoda<=388385 && beamState==1)



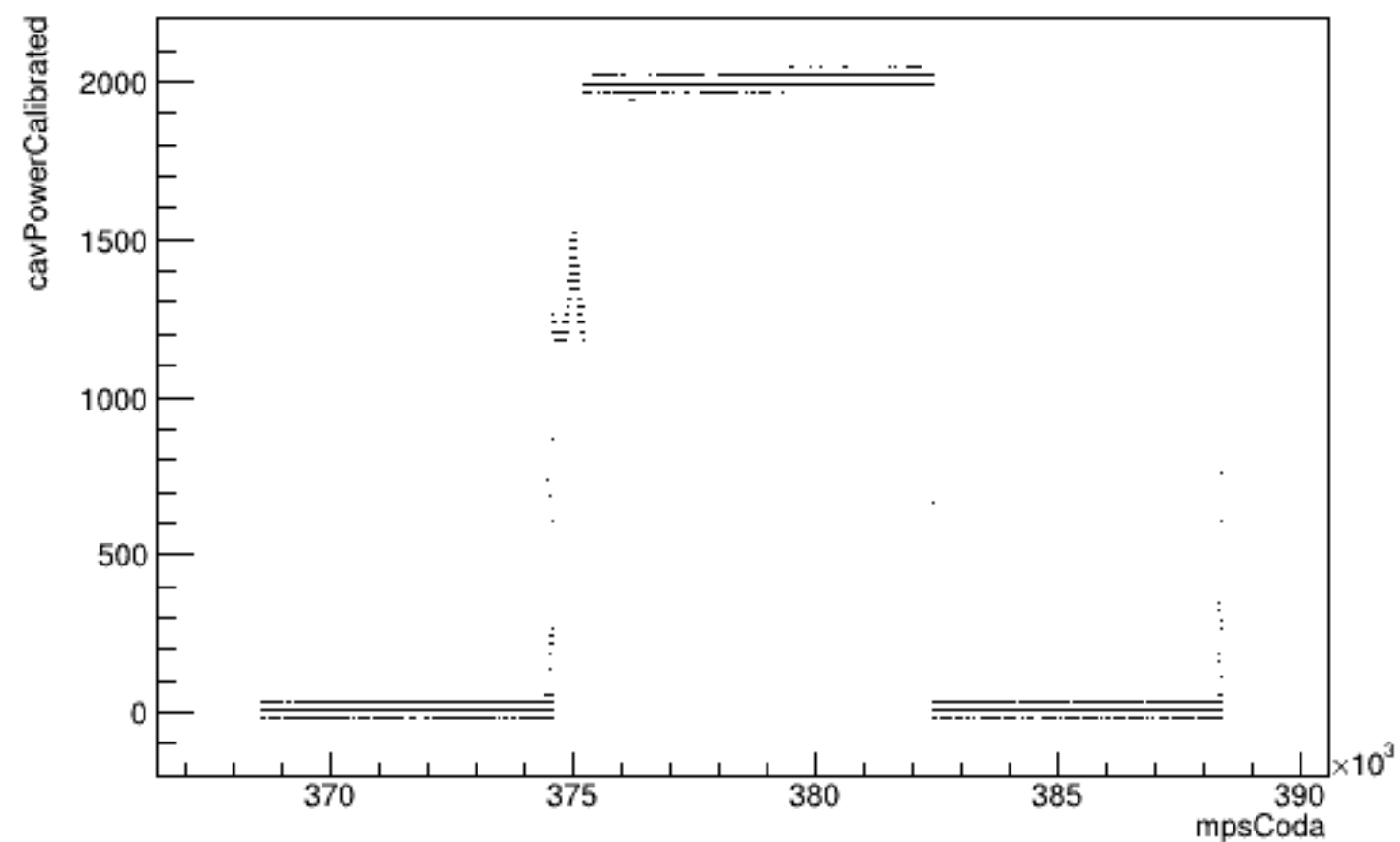
laserState:mpsCoda {mpsCoda>=368574 && mpsCoda<=388385}



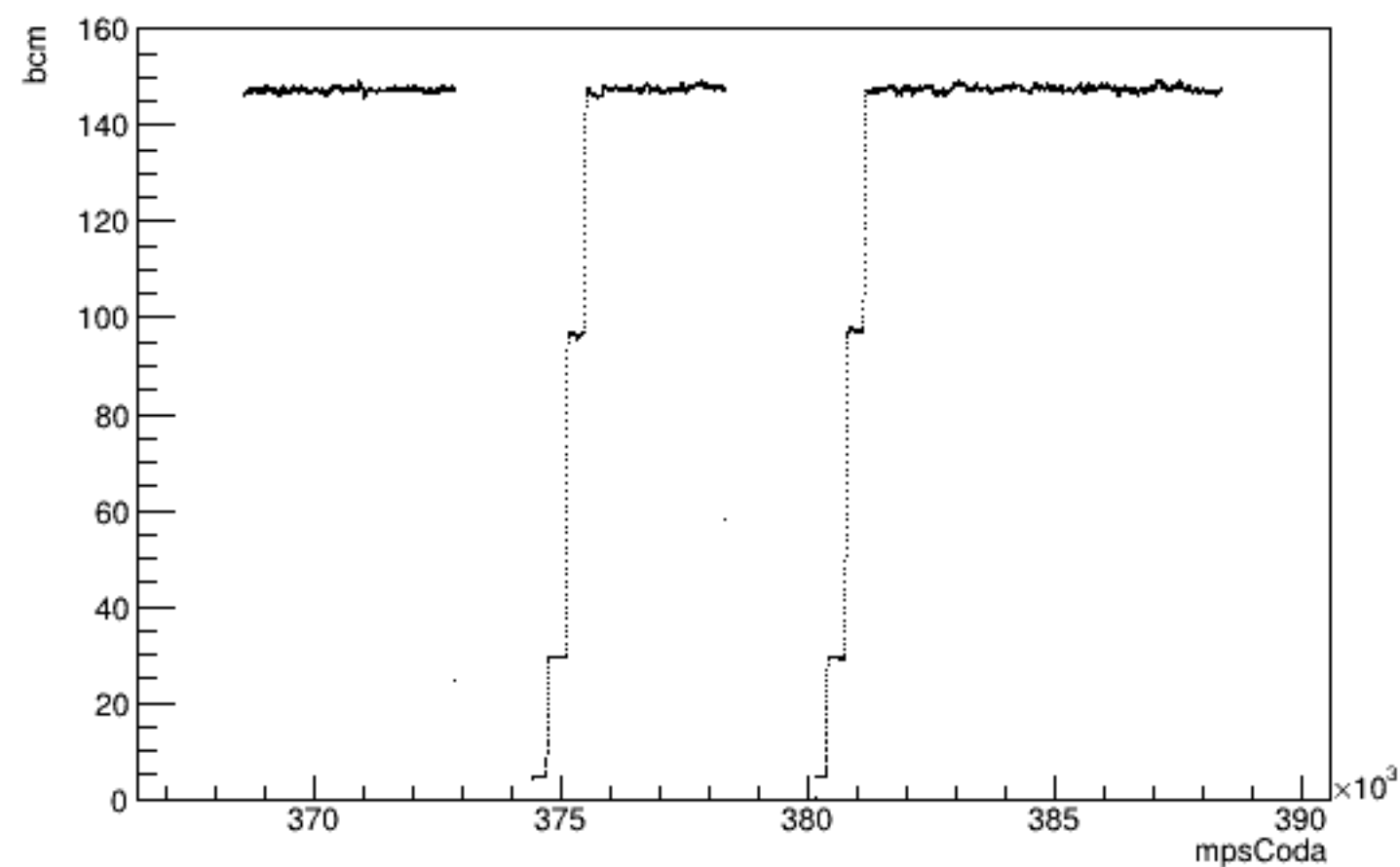
beamState + 1:mpsCoda {mpsCoda>=368574 && mpsCoda<=388385}



cavPowerCalibrated:mpsCoda {mpsCoda>=368574 && mpsCoda<=388385}



bcm:mpsCoda {mpsCoda>=368574 && mpsCoda<=388385}



Cycle 17, Diffs

Entries: 1486

Mean: 0.0014 +/- 0.0103

Std Dev: 0.3964 +/- 0.0073

Entries: 1800

Mean: 0.7578 +/- 0.0130

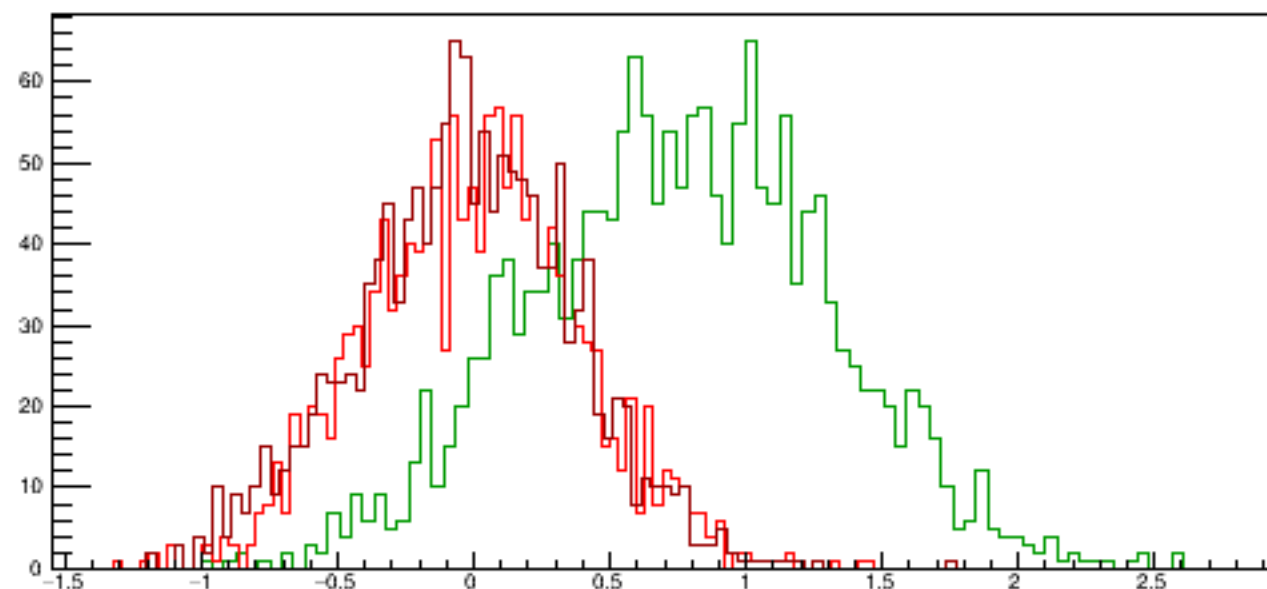
Std Dev: 0.5528 +/- 0.0092

Entries: 1481

Mean: -0.0282 +/- 0.0104

Std Dev: 0.3988 +/- 0.0073

Run 6086 quartetwise, Diffs



Cycle 17, Sums

Entries: 1486

Mean: 7.3085 +/- 0.0113

Std Dev: 0.4346 +/- 0.0080

Entries: 1800

Mean: 31.5555 +/- 0.0150

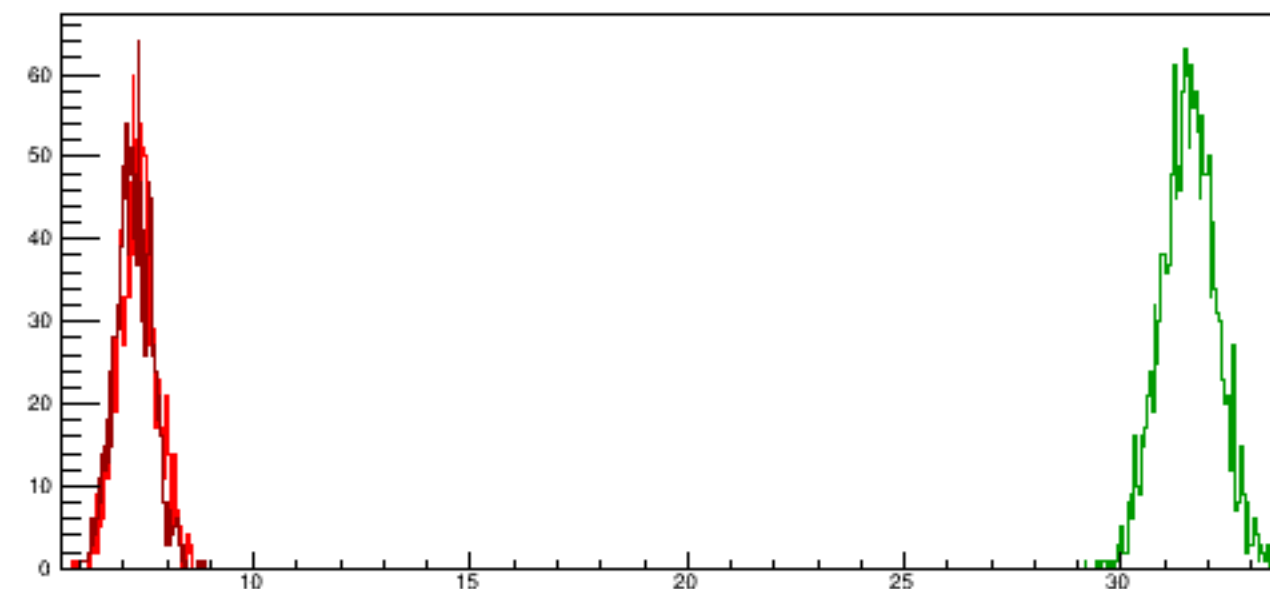
Std Dev: 0.6377 +/- 0.0106

Entries: 1481

Mean: 7.2353 +/- 0.0109

Std Dev: 0.4193 +/- 0.0077

Run 6086 quartetwise, Sums



Cycle 17, Asyms

Entries: 1486

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

Entries: 1800

Mean: 0.0312 +/- 0.0005

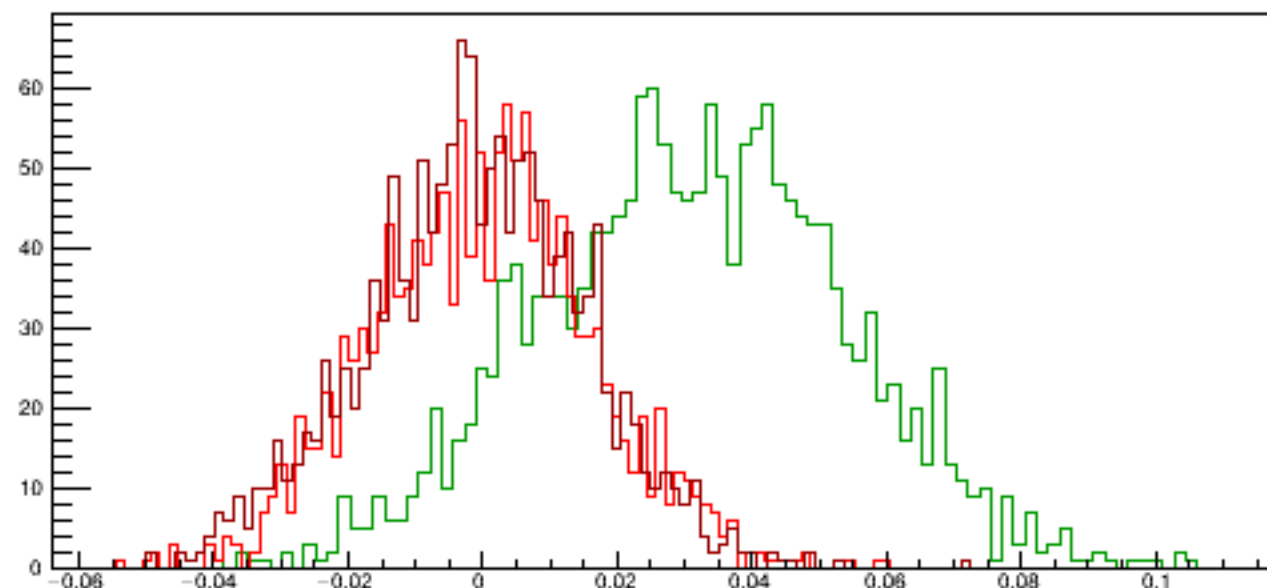
Std Dev: 0.0228 +/- 0.0004

Entries: 1481

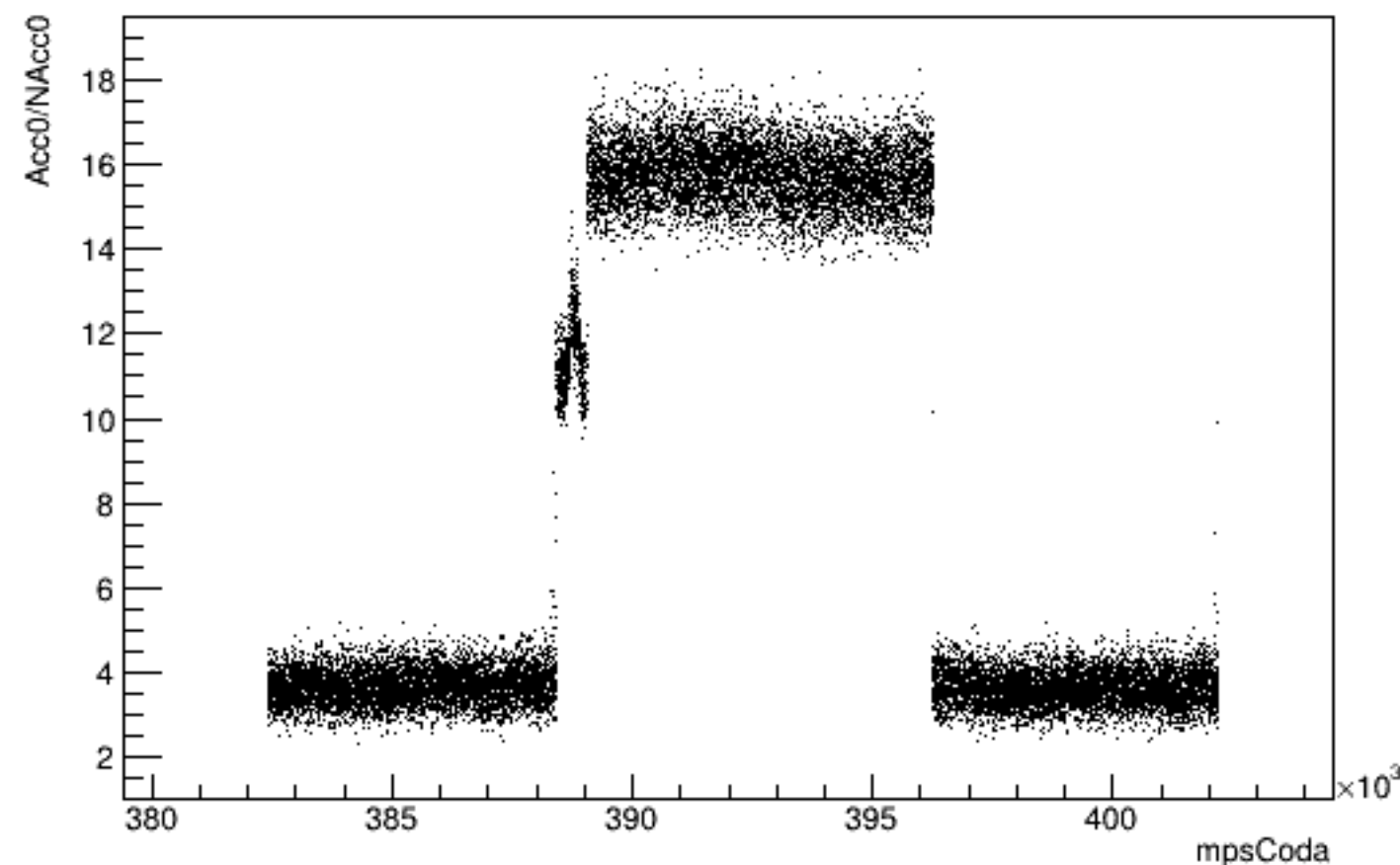
Mean: -0.0012 +/- 0.0004

Std Dev: 0.0164 +/- 0.0003

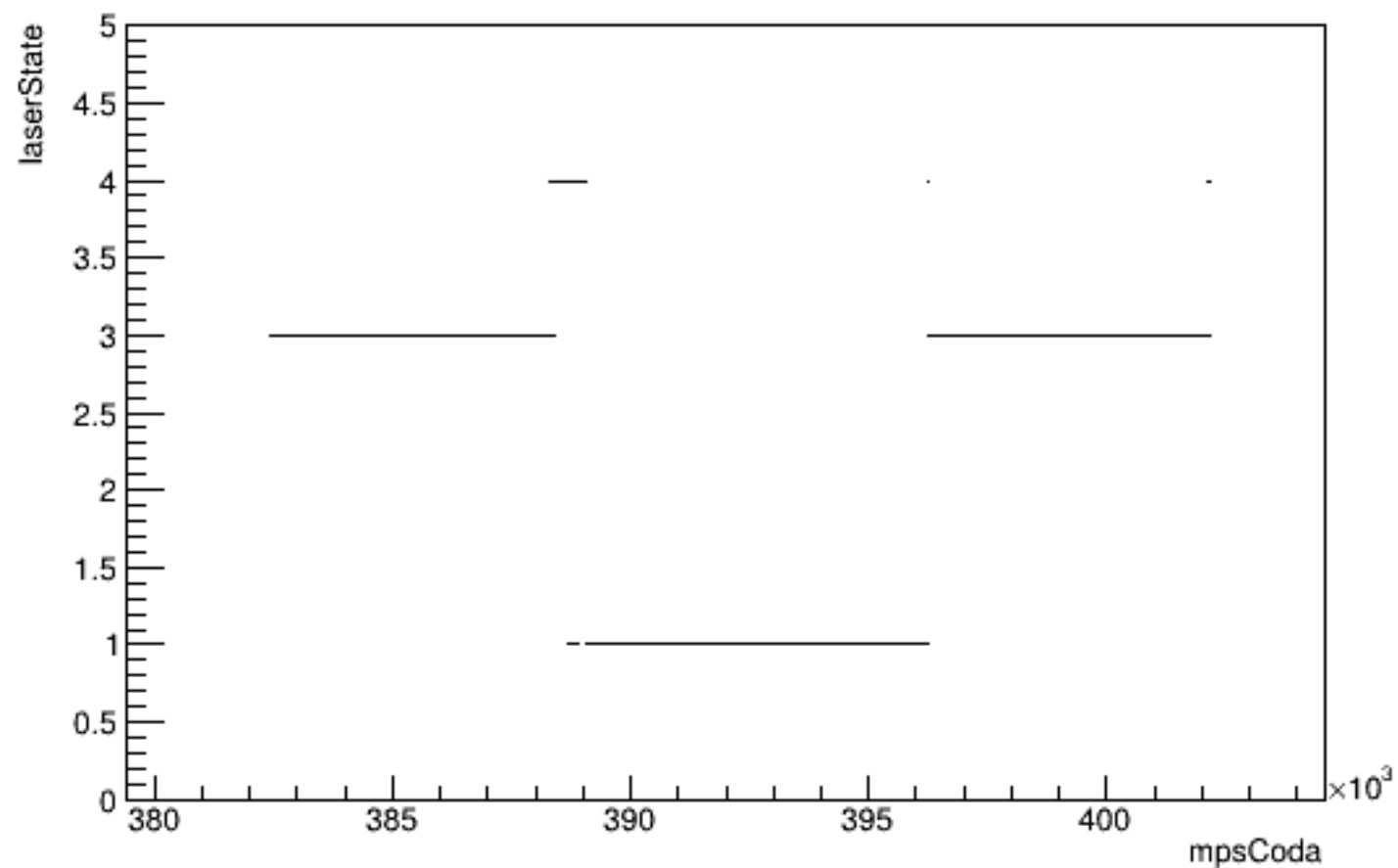
Run 6086 quartetwise, Asyms



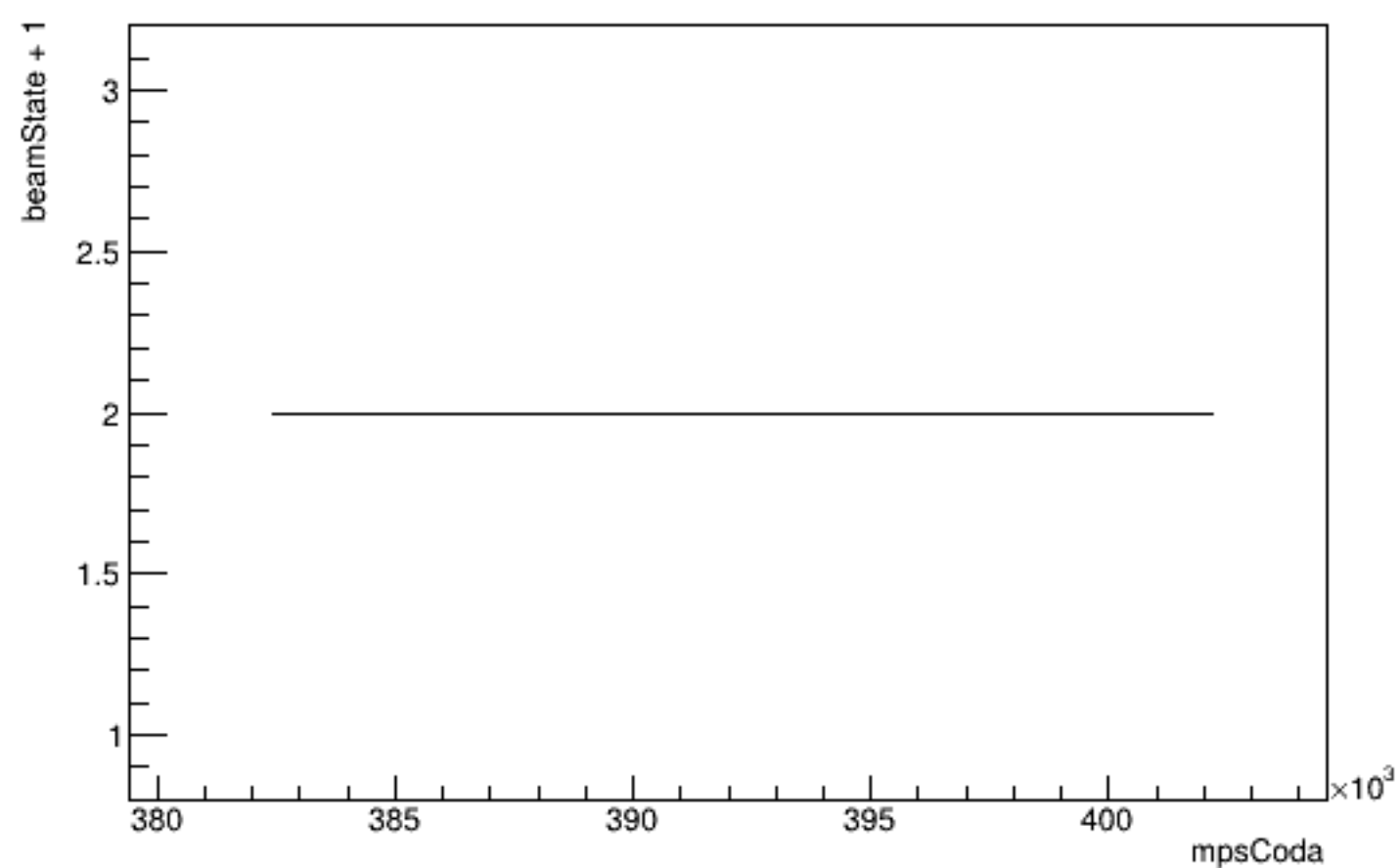
Acc0/NAcc0:mpsCoda (mpsCoda>=382418 && mpsCoda<=402205 && beamState==1)



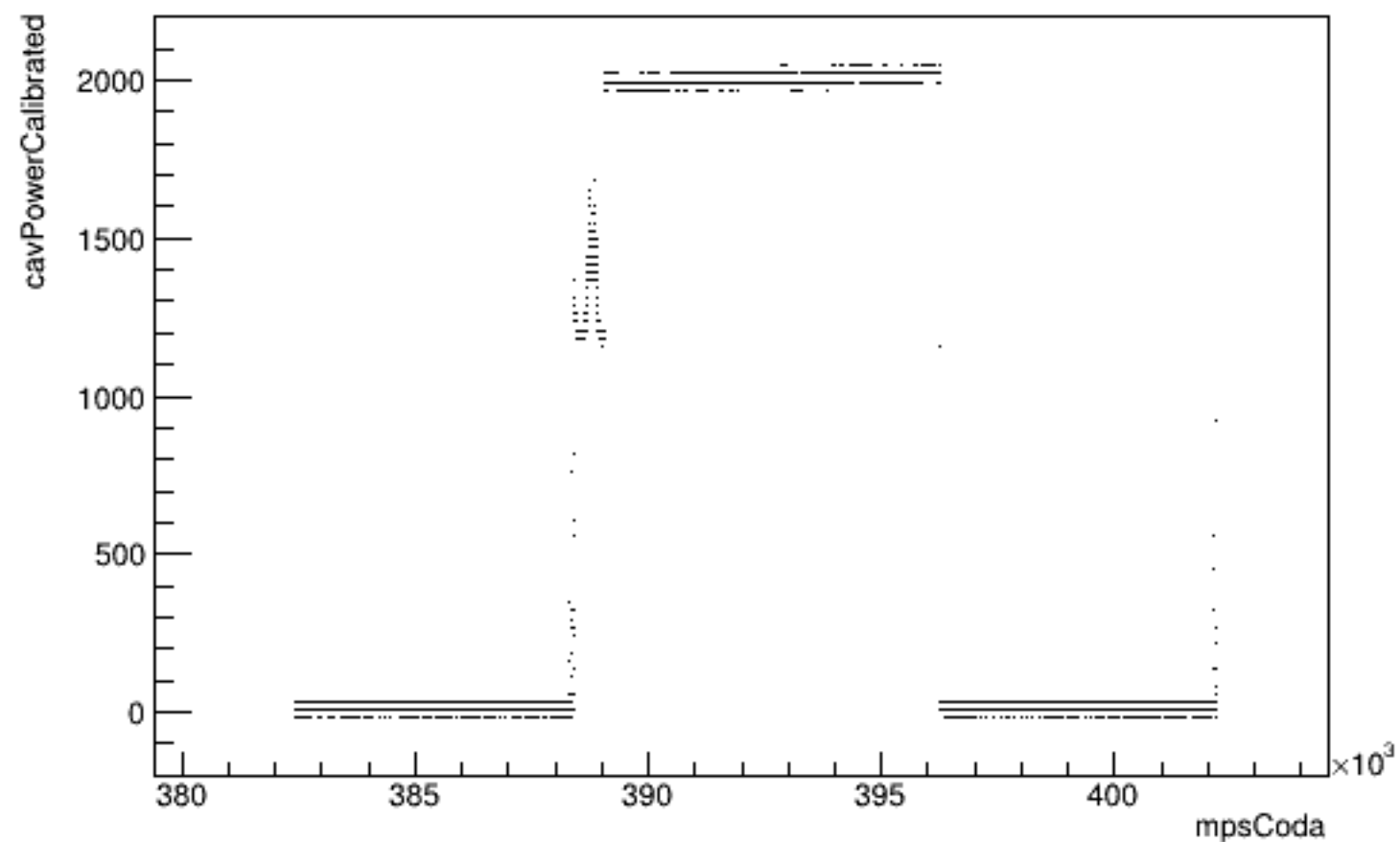
laserState:mpsCoda {mpsCoda>=382418 && mpsCoda<=402205}



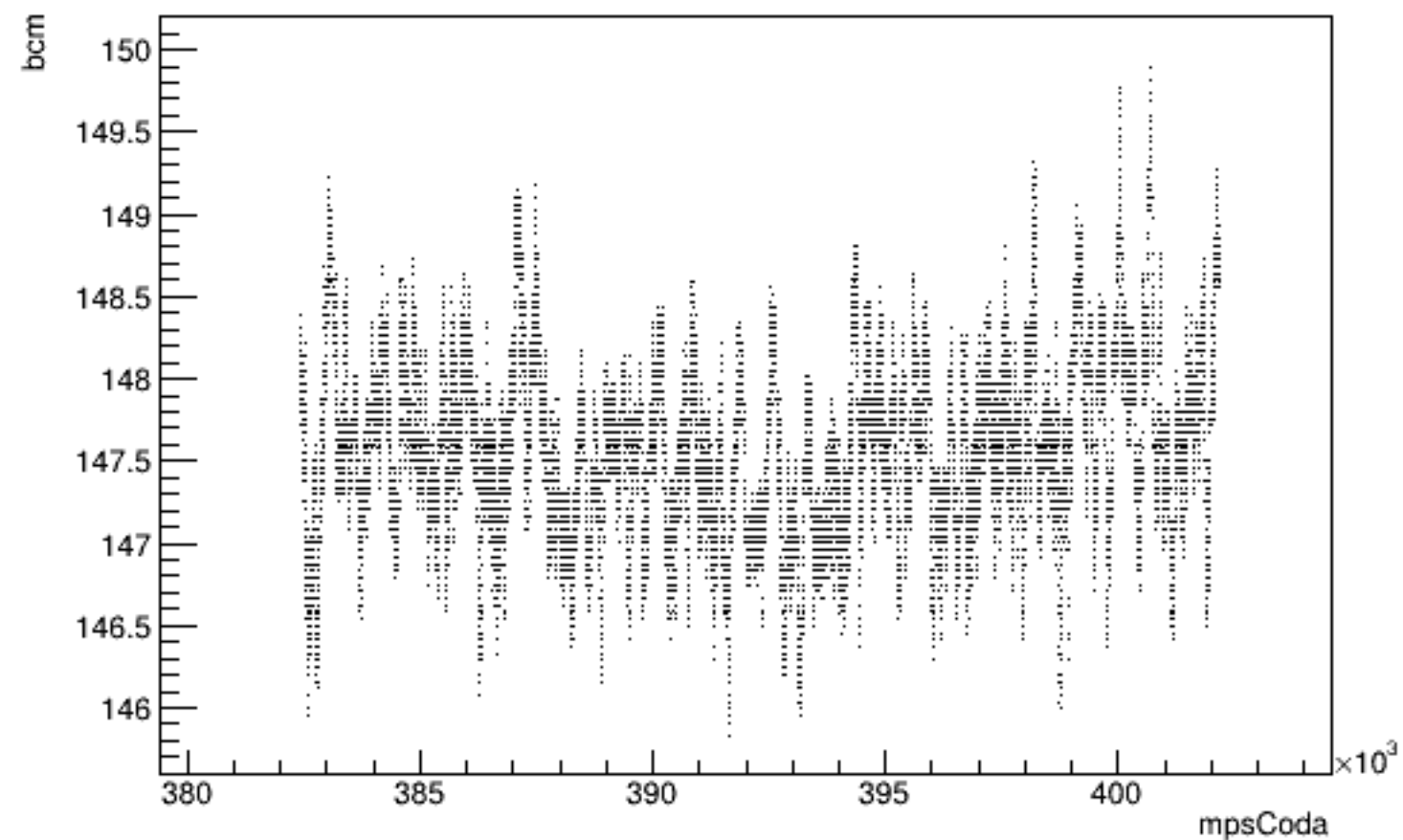
beamState + 1:mpsCoda {mpsCoda>=382418 && mpsCoda<=402205}



cavPowerCalibrated:mpsCoda {mpsCoda>=382418 && mpsCoda<=402205}



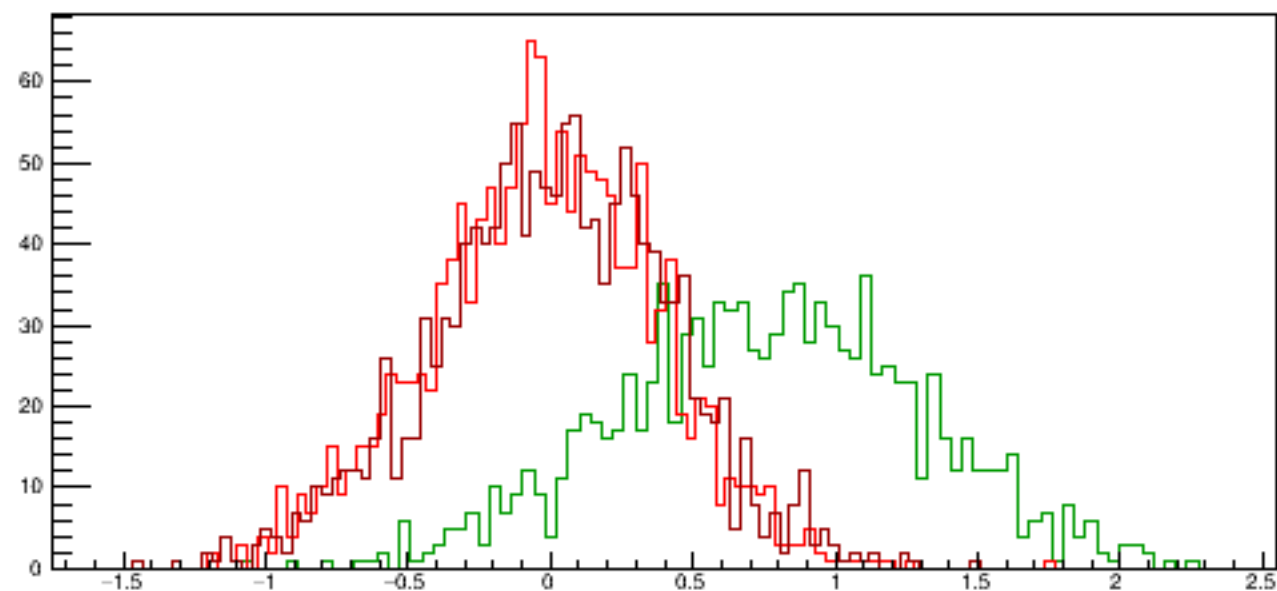
bcm:mpsCoda {mpsCoda>=382418 && mpsCoda<=402205}



Cycle 18, Diffs

Entries: 1481	Entries: 1092	Entries: 1473
Mean: -0.0282 +/- 0.0104	Mean: 0.7654 +/- 0.0162	Mean: 0.0096 +/- 0.0109
Std Dev: 0.3988 +/- 0.0073	Std Dev: 0.5354 +/- 0.0115	Std Dev: 0.4190 +/- 0.0077

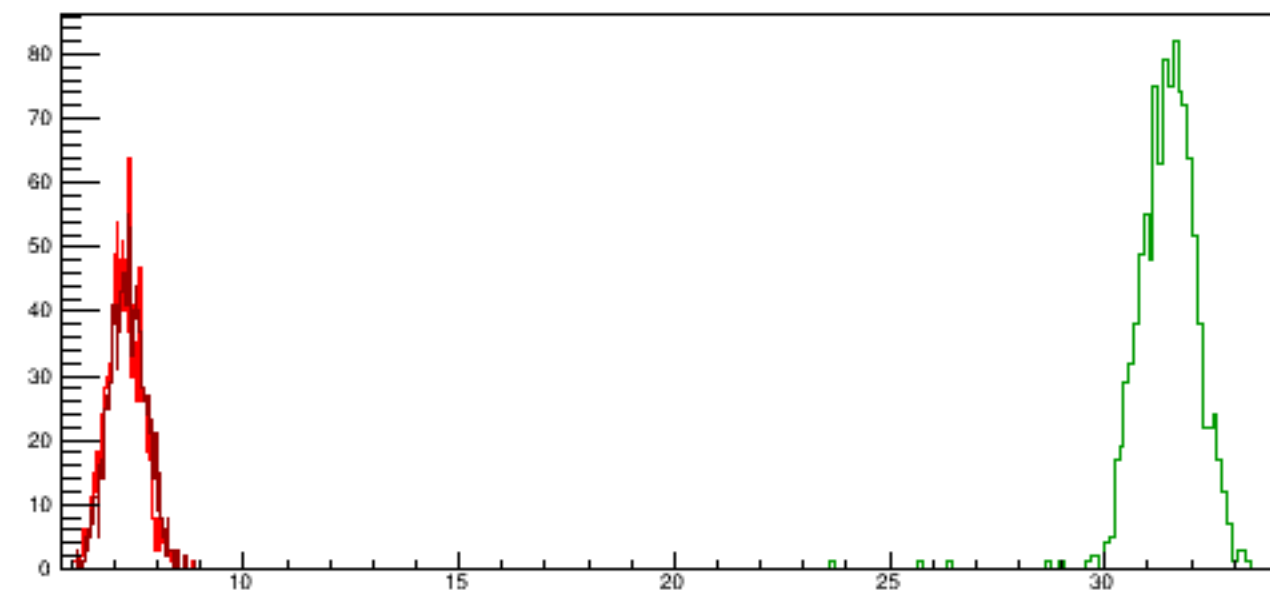
Run 6086 quartetwise, Diffs



Cycle 18, Sums

Entries: 1481	Entries: 1092	Entries: 1473
Mean: 7.2353 +/- 0.0109	Mean: 31.4665 +/- 0.0217	Mean: 7.3073 +/- 0.0110
Std Dev: 0.4193 +/- 0.0077	Std Dev: 0.7162 +/- 0.0153	Std Dev: 0.4216 +/- 0.0078

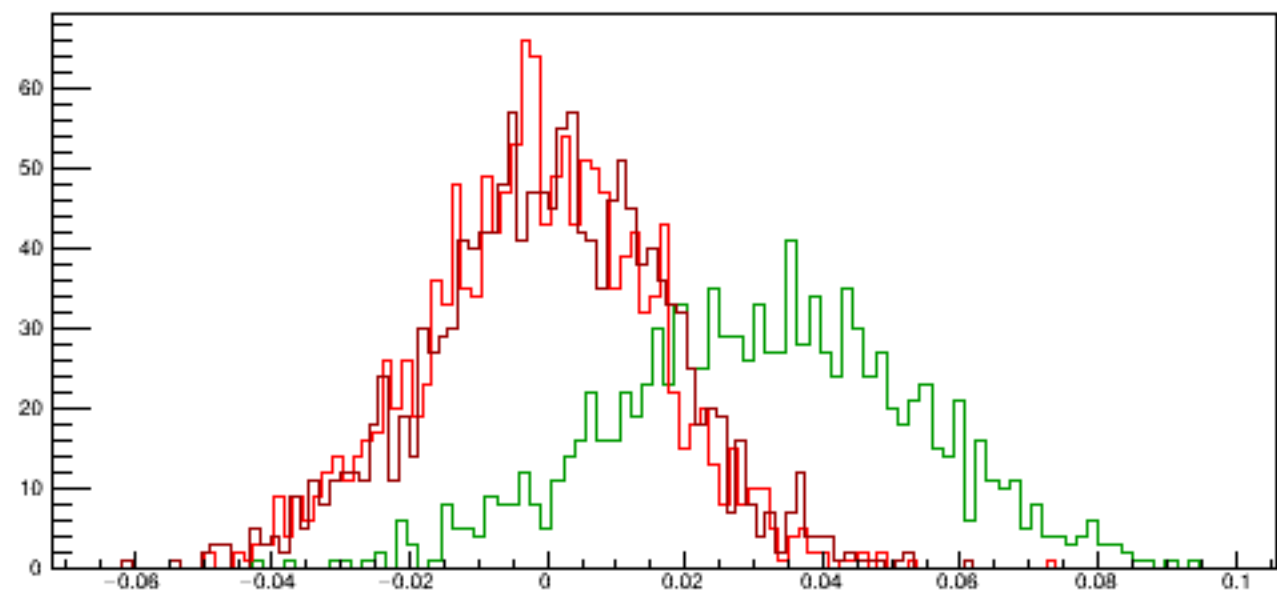
Run 6086 quartetwise, Sums



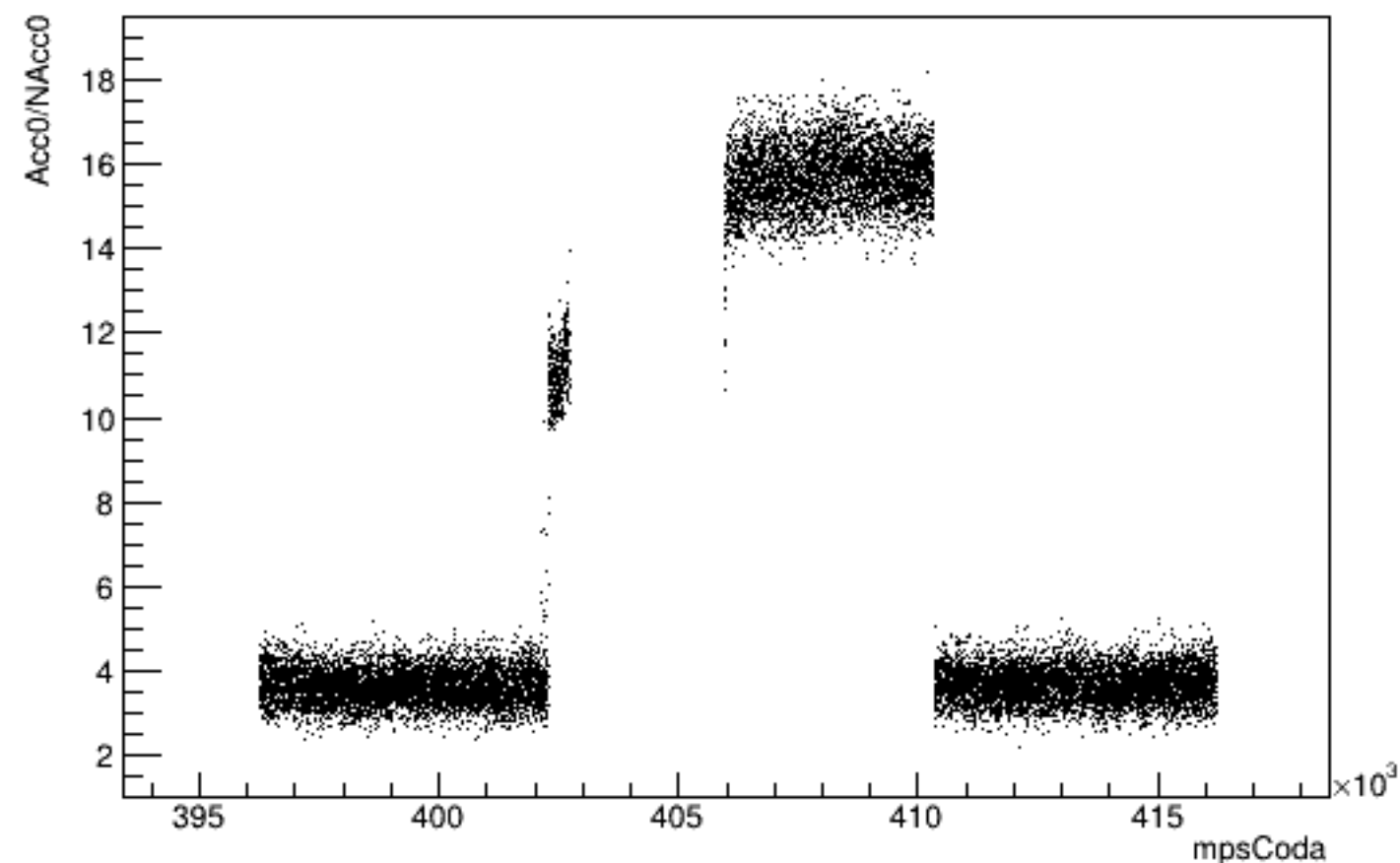
Cycle 18, Asyms

Entries: 1481	Entries: 1092	Entries: 1473
Mean: -0.0012 +/- 0.0004	Mean: 0.0316 +/- 0.0007	Mean: 0.0004 +/- 0.0005
Std Dev: 0.0165 +/- 0.0003	Std Dev: 0.0221 +/- 0.0005	Std Dev: 0.0173 +/- 0.0003

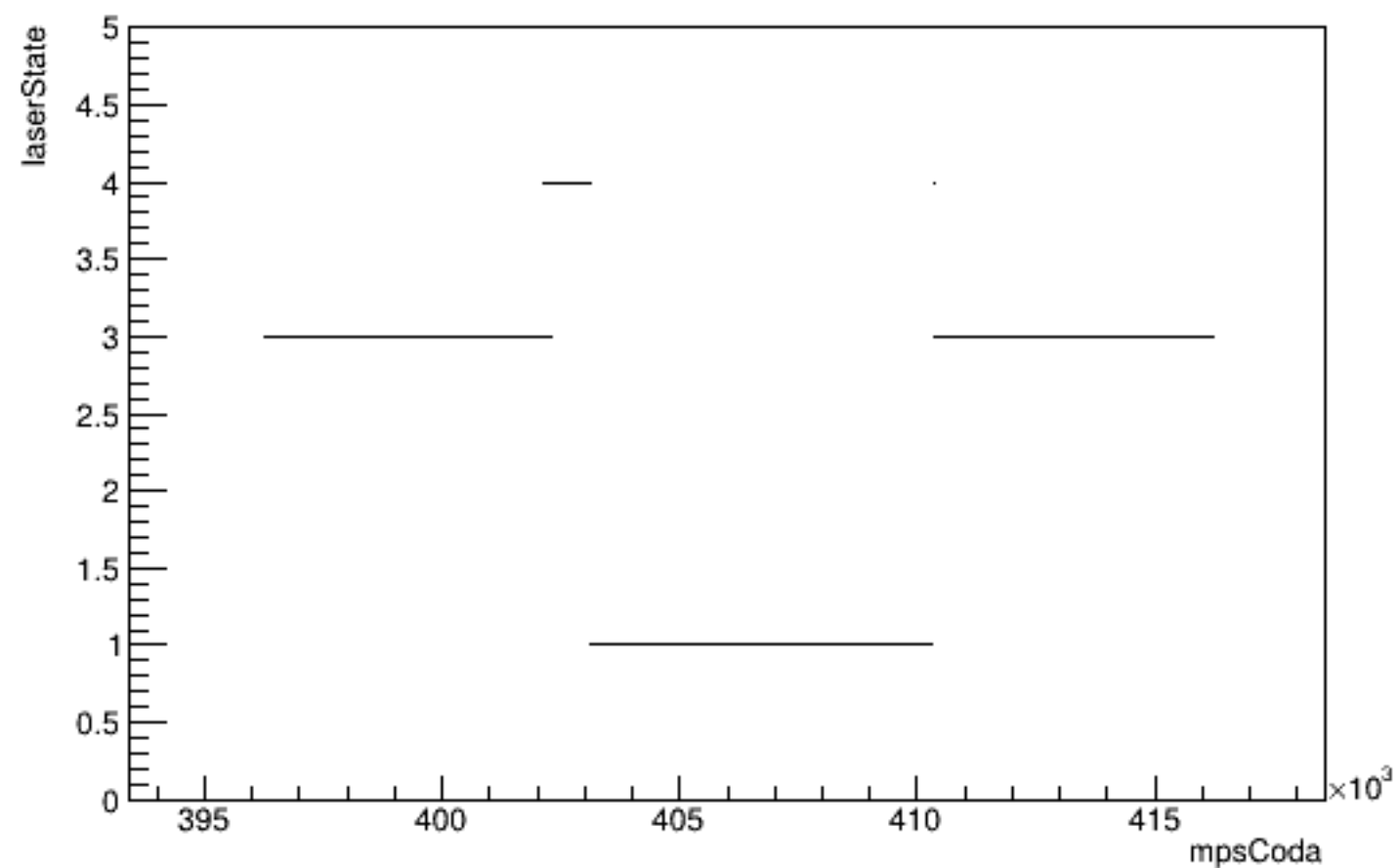
Run 6086 quartetwise, Asyms



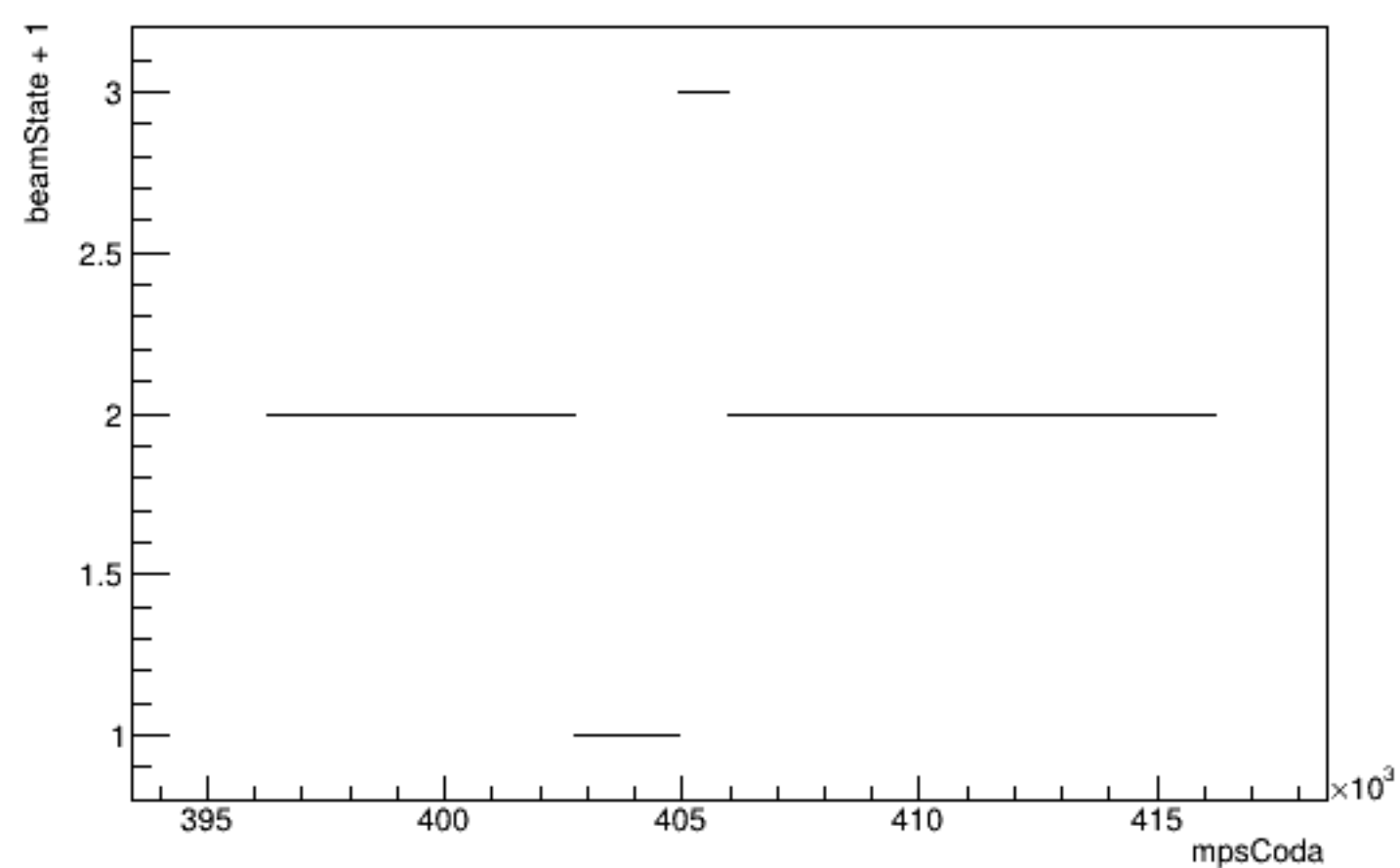
Acc0/NAcc0:mpsCoda (mpsCoda>=396254 && mpsCoda<=416229 && beamState==1)



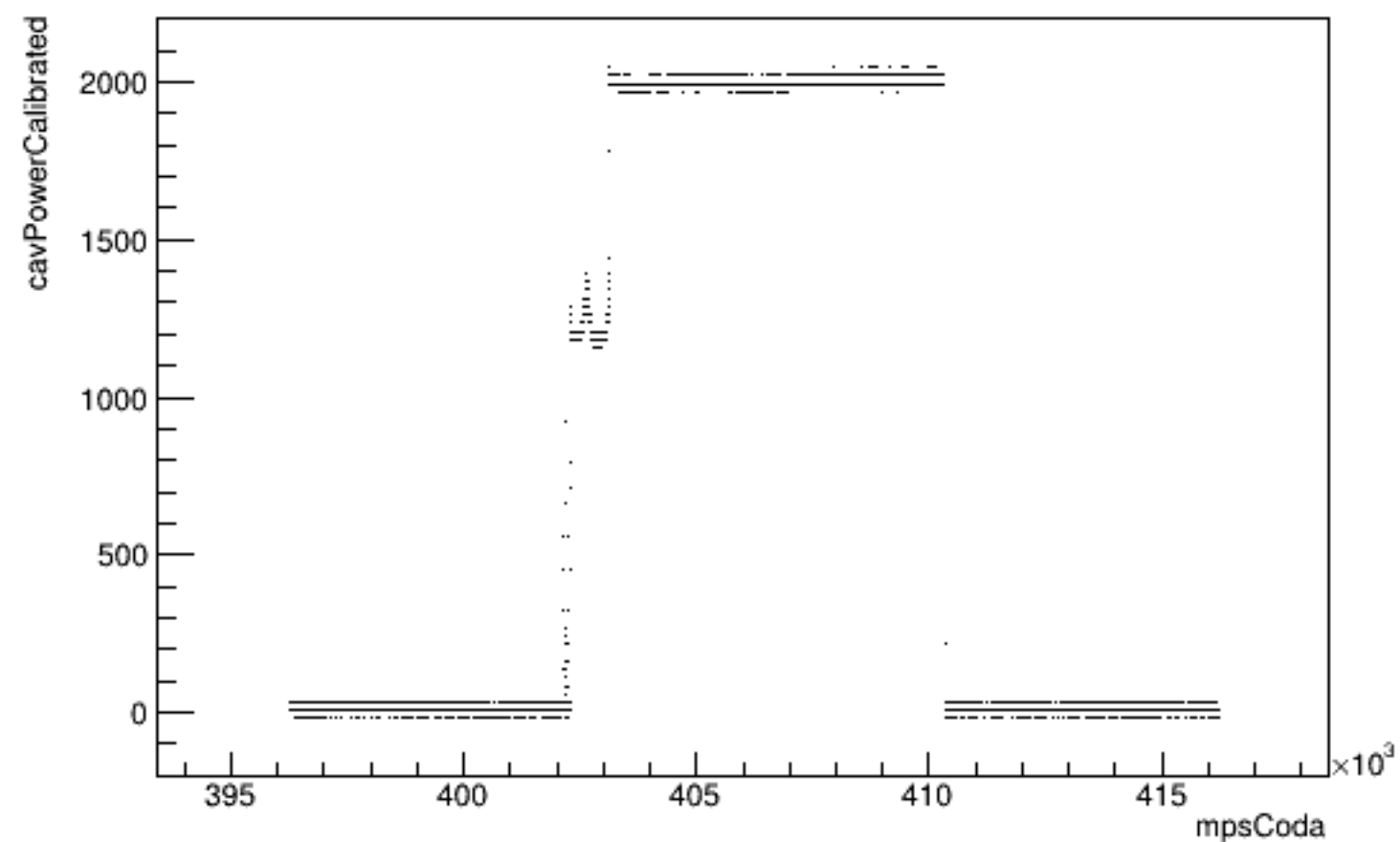
laserState:mpsCoda {mpsCoda>=396254 && mpsCoda<=416229}



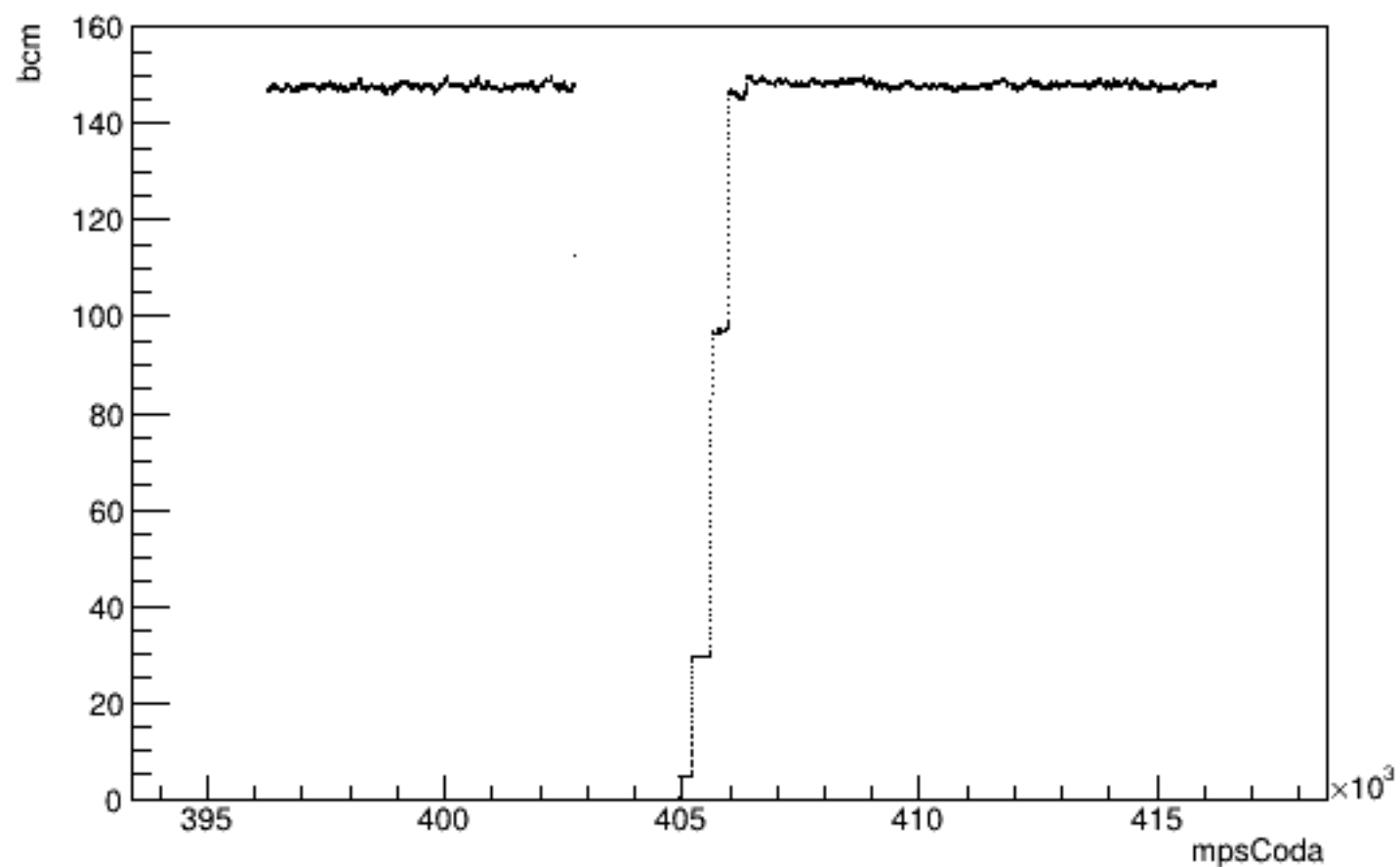
beamState + 1:mpsCoda {mpsCoda>=396254 && mpsCoda<=416229}



cavPowerCalibrated:mpsCoda {mpsCoda>=396254 && mpsCoda<=416229}



bcm:mpsCoda {mpsCoda>=396254 && mpsCoda<=416229}



Cycle 19, Diffs

Entries: 1479

Mean: 0.0037 +/- 0.0106

Std Dev: 0.4080 +/- 0.0075

Entries: 1800

Mean: 0.7517 +/- 0.0127

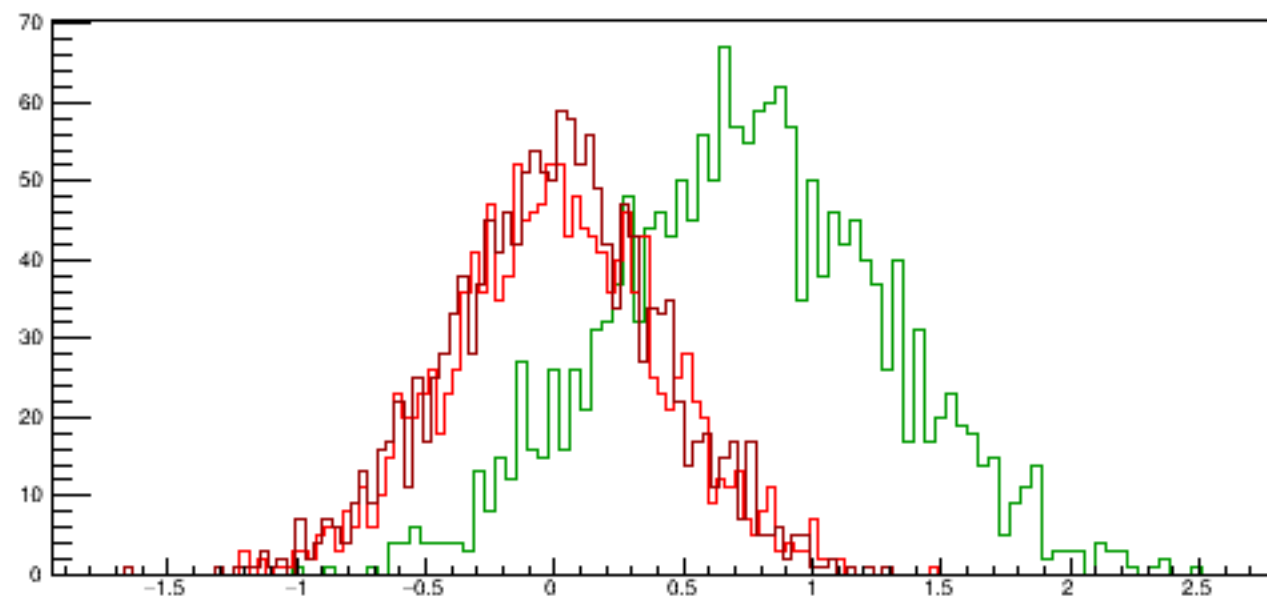
Std Dev: 0.5392 +/- 0.0090

Entries: 1491

Mean: -0.0044 +/- 0.0105

Std Dev: 0.4073 +/- 0.0075

Run 6086 quartetwise, Diffs



Cycle 19, Sums

Entries: 1479

Mean: 7.6544 +/- 0.0112

Std Dev: 0.4289 +/- 0.0079

Entries: 1800

Mean: 31.9696 +/- 0.0139

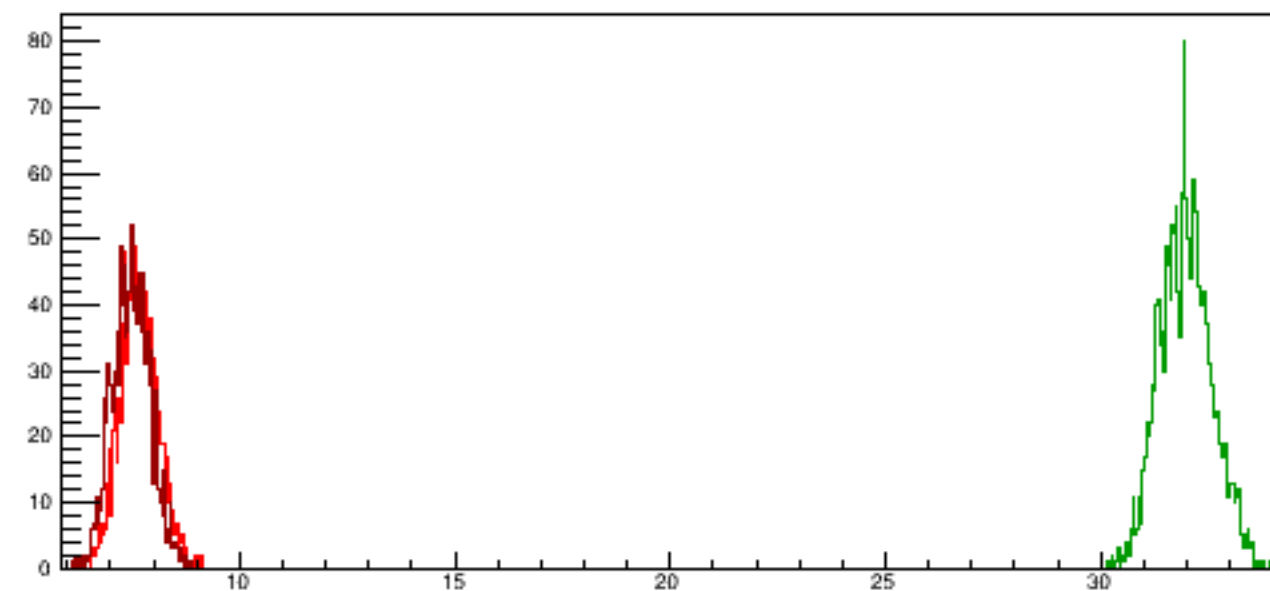
Std Dev: 0.5906 +/- 0.0098

Entries: 1491

Mean: 7.4858 +/- 0.0112

Std Dev: 0.4344 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 19, Asyms

Entries: 1479

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

Entries: 1800

Mean: 0.0308 +/- 0.0005

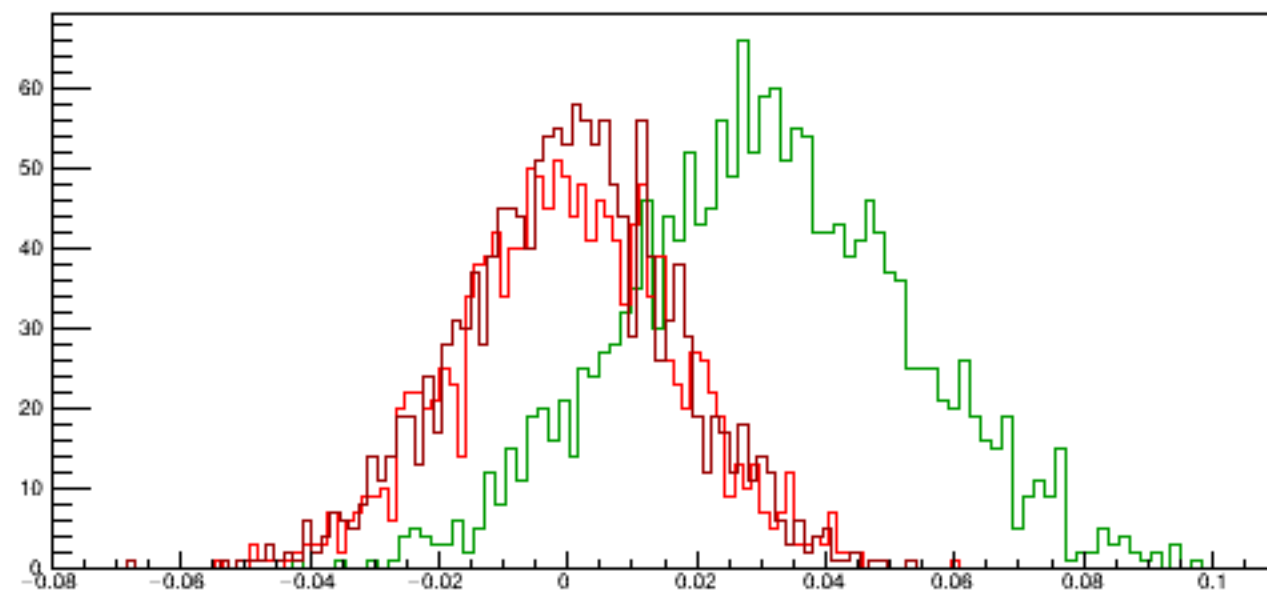
Std Dev: 0.0221 +/- 0.0004

Entries: 1491

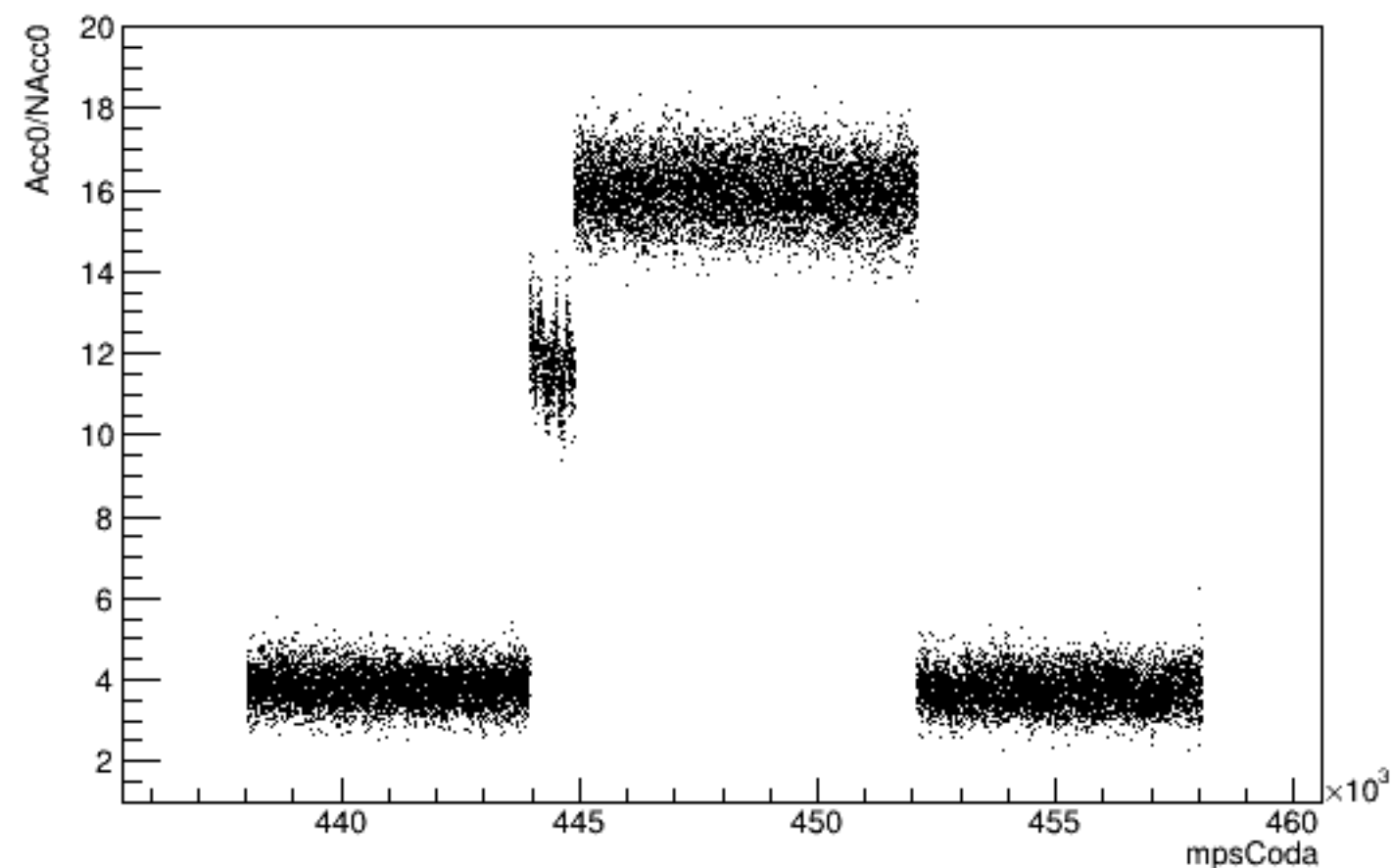
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

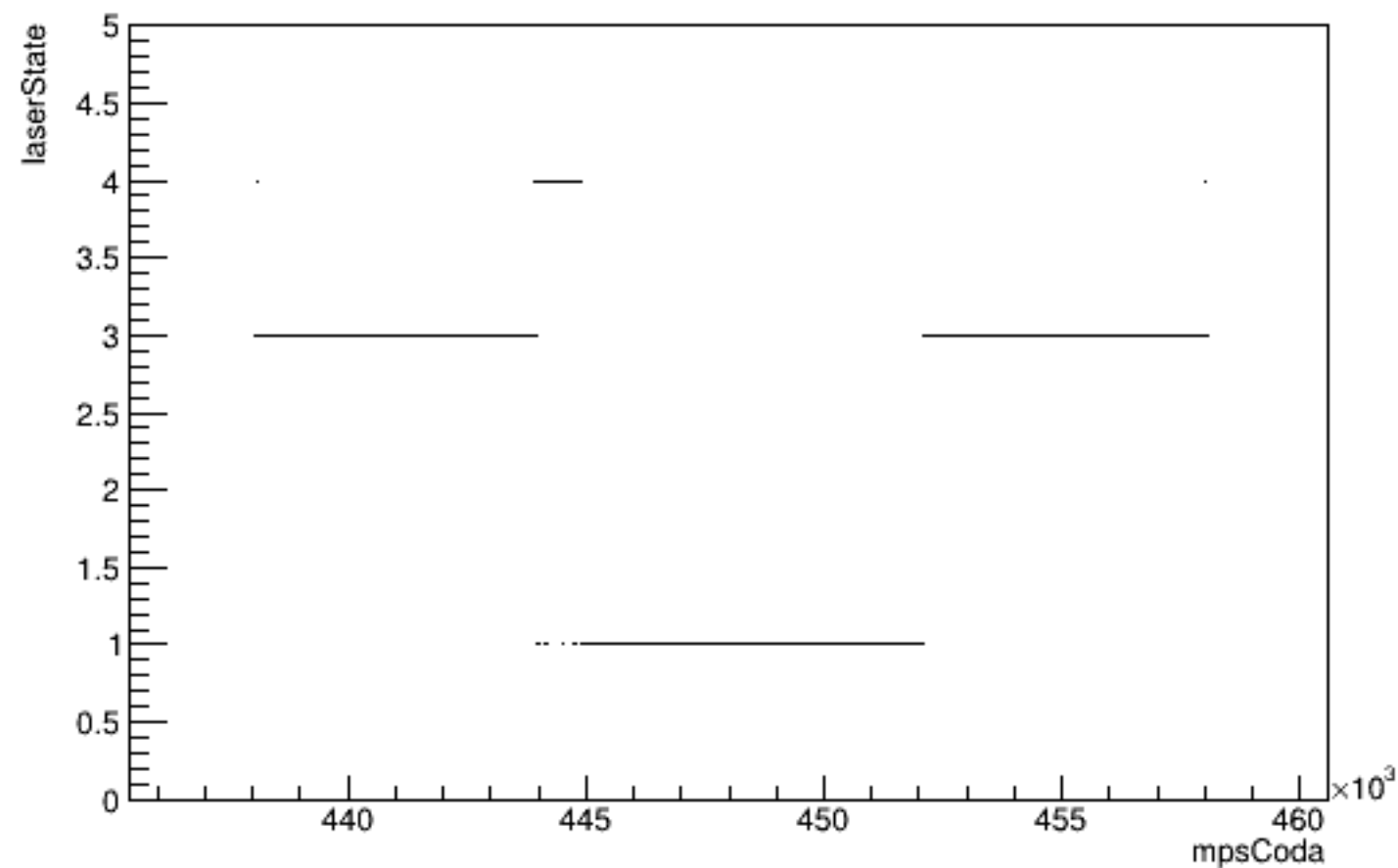
Run 6086 quartetwise, Asyms



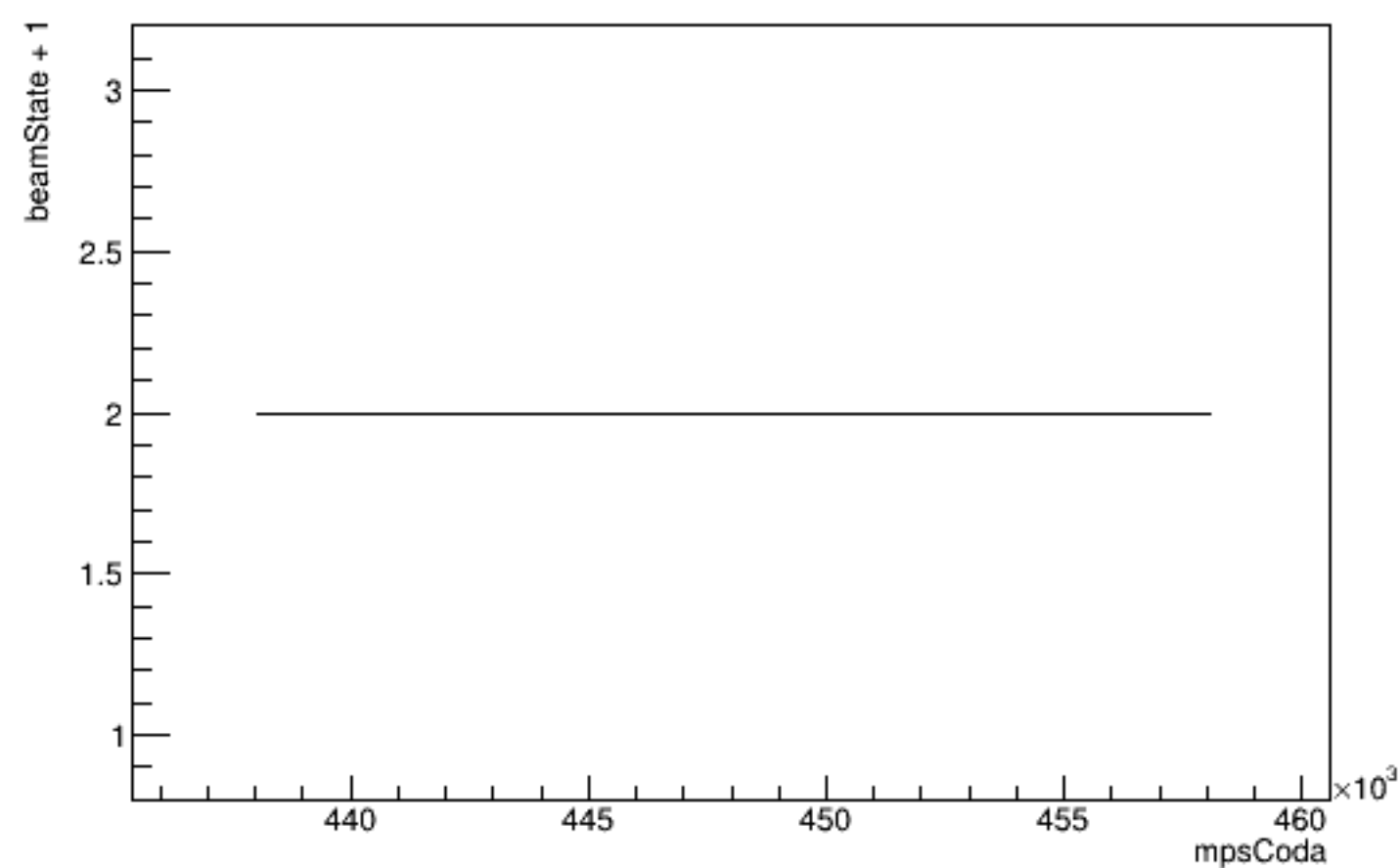
Acc0/NAcc0:mpsCoda (mpsCoda>=438018 && mpsCoda<=458069 && beamState==1)



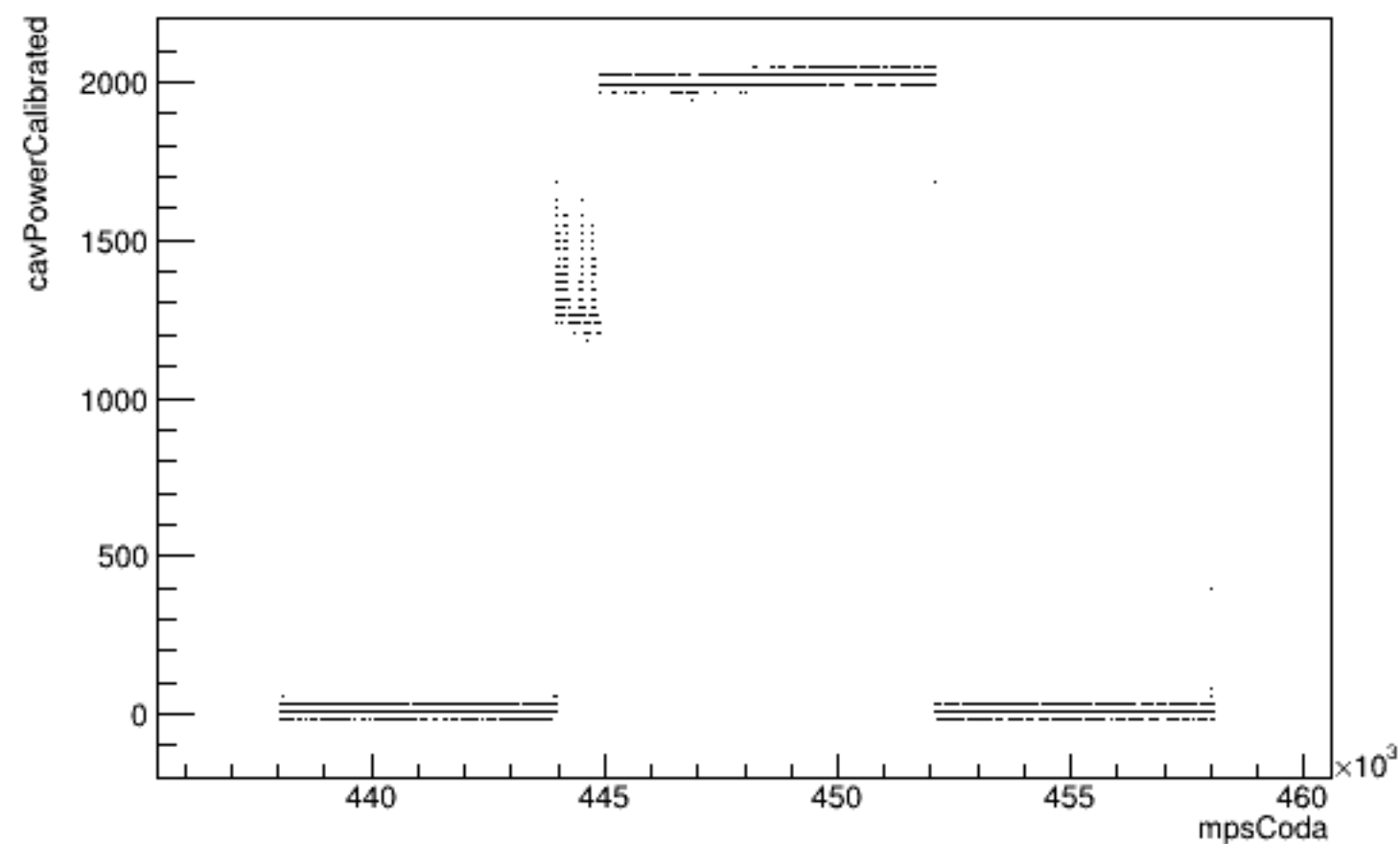
laserState:mpsCoda {mpsCoda>=438018 && mpsCoda<=458069}



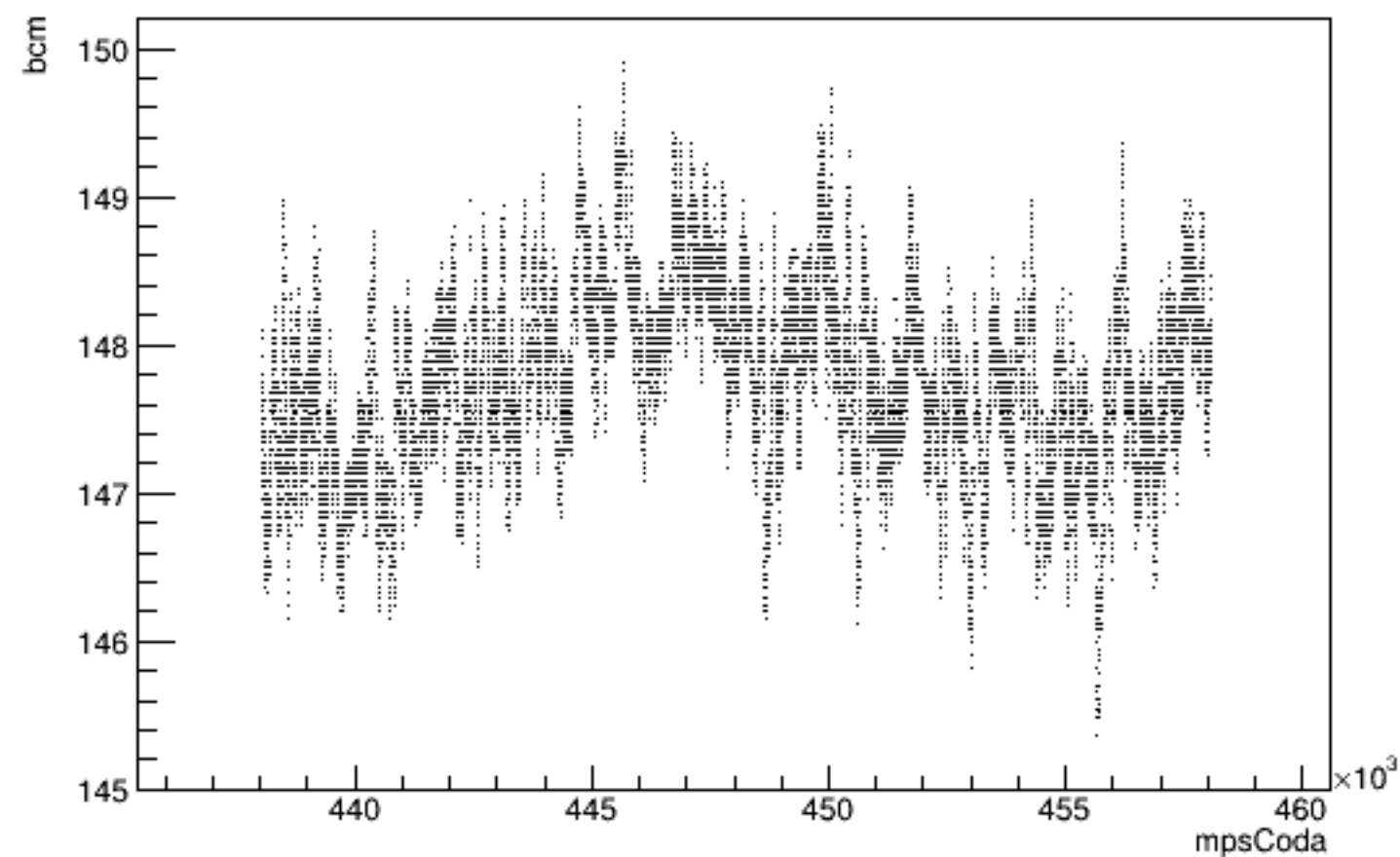
beamState + 1:mpsCoda {mpsCoda>=438018 && mpsCoda<=458069}



cavPowerCalibrated:mpsCoda {mpsCoda>=438018 && mpsCoda<=458069}



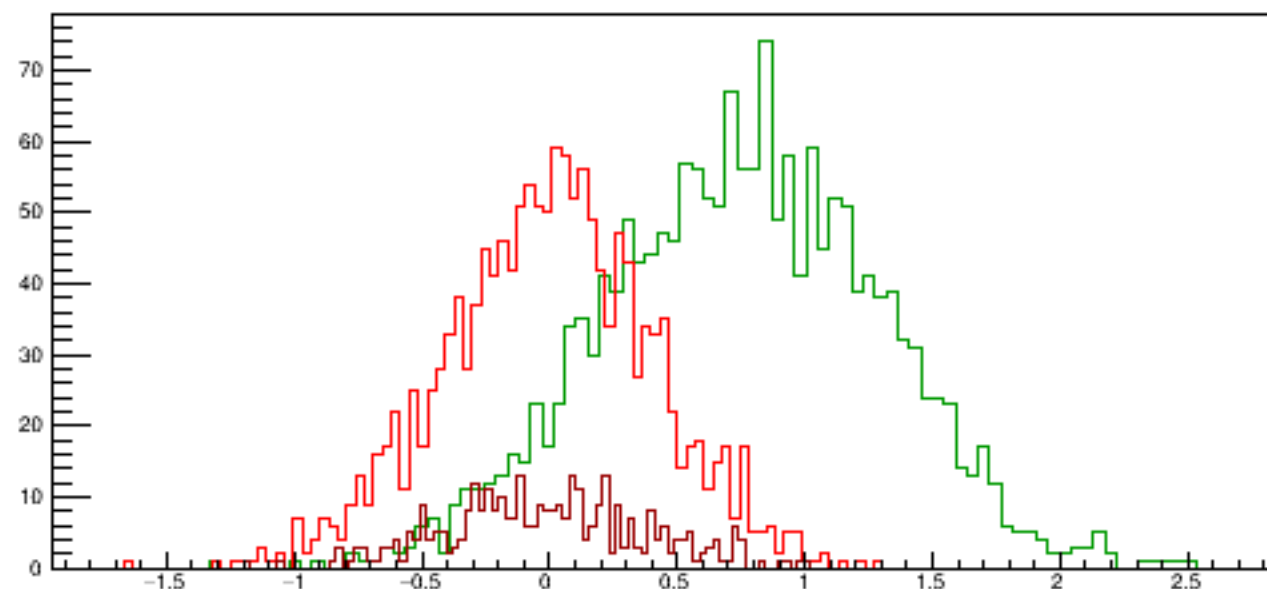
bcm:mpsCoda {mpsCoda>=438018 && mpsCoda<=458069}



Cycle 20, Diffs

Entries: 1491	Entries: 1801	Entries: 346
Mean: -0.0044 +/- 0.0105	Mean: 0.7513 +/- 0.0128	Mean: -0.0135 +/- 0.0211
Std Dev: 0.4073 +/- 0.0075	Std Dev: 0.5430 +/- 0.0090	Std Dev: 0.3918 +/- 0.0149

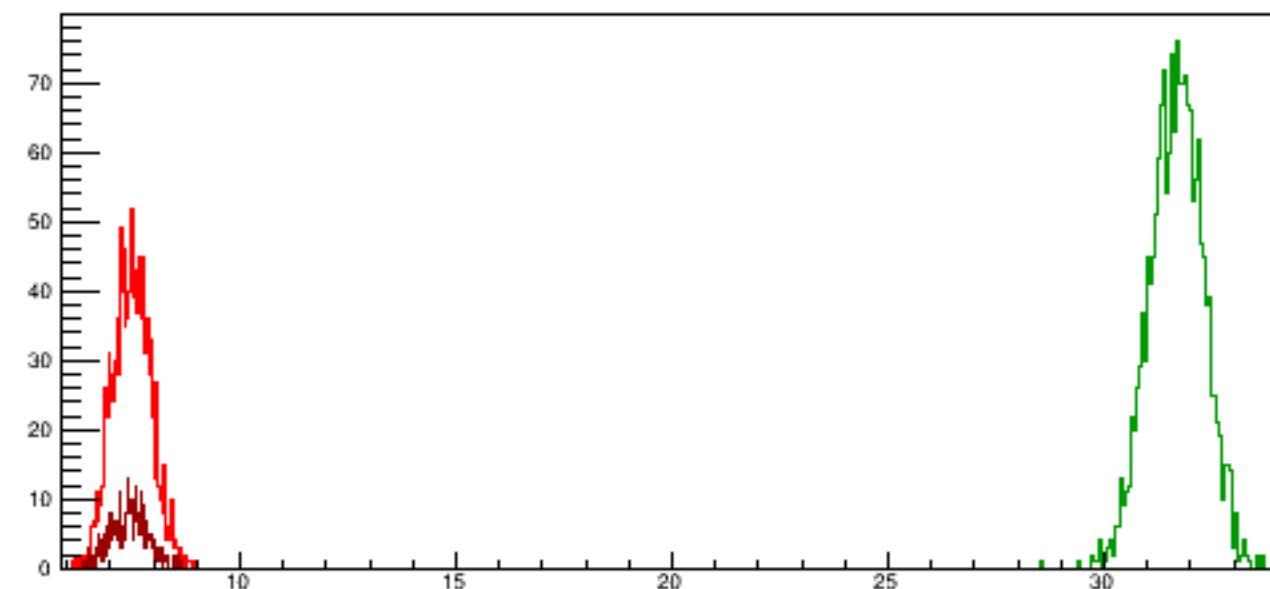
Run 6086 quartetwise, Diffs



Cycle 20, Sums

Entries: 1491	Entries: 1801	Entries: 346
Mean: 7.4858 +/- 0.0112	Mean: 31.6655 +/- 0.0147	Mean: 7.4300 +/- 0.0237
Std Dev: 0.4344 +/- 0.0080	Std Dev: 0.6253 +/- 0.0104	Std Dev: 0.4412 +/- 0.0168

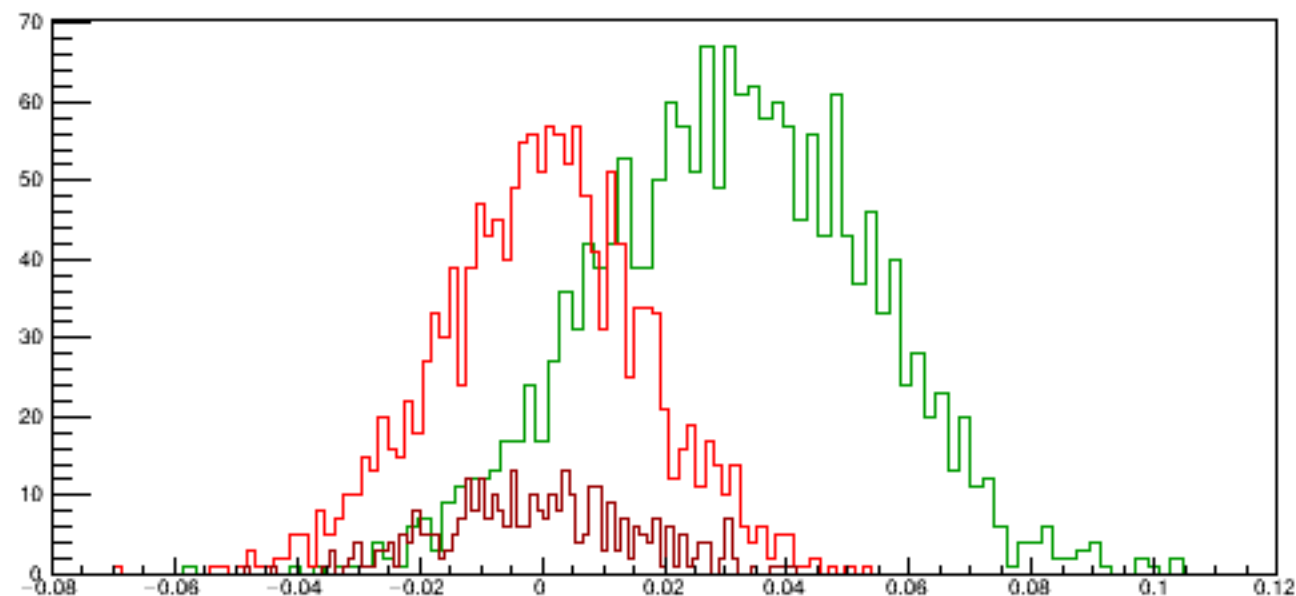
Run 6086 quartetwise, Sums



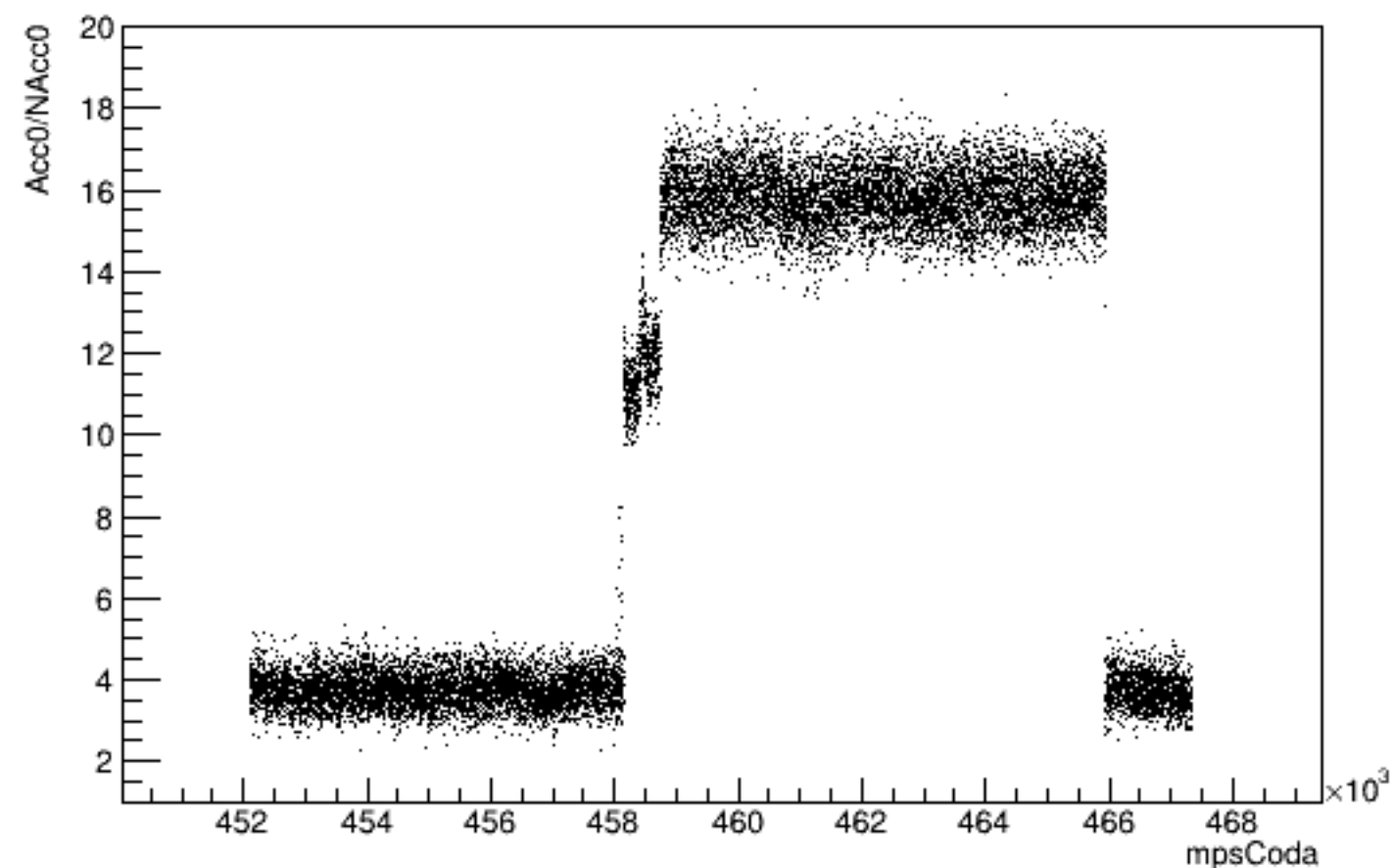
Cycle 20, Asyms

Entries: 1491	Entries: 1801	Entries: 346
Mean: -0.0002 +/- 0.0004	Mean: 0.0311 +/- 0.0005	Mean: -0.0006 +/- 0.0009
Std Dev: 0.0168 +/- 0.0003	Std Dev: 0.0224 +/- 0.0004	Std Dev: 0.0162 +/- 0.0006

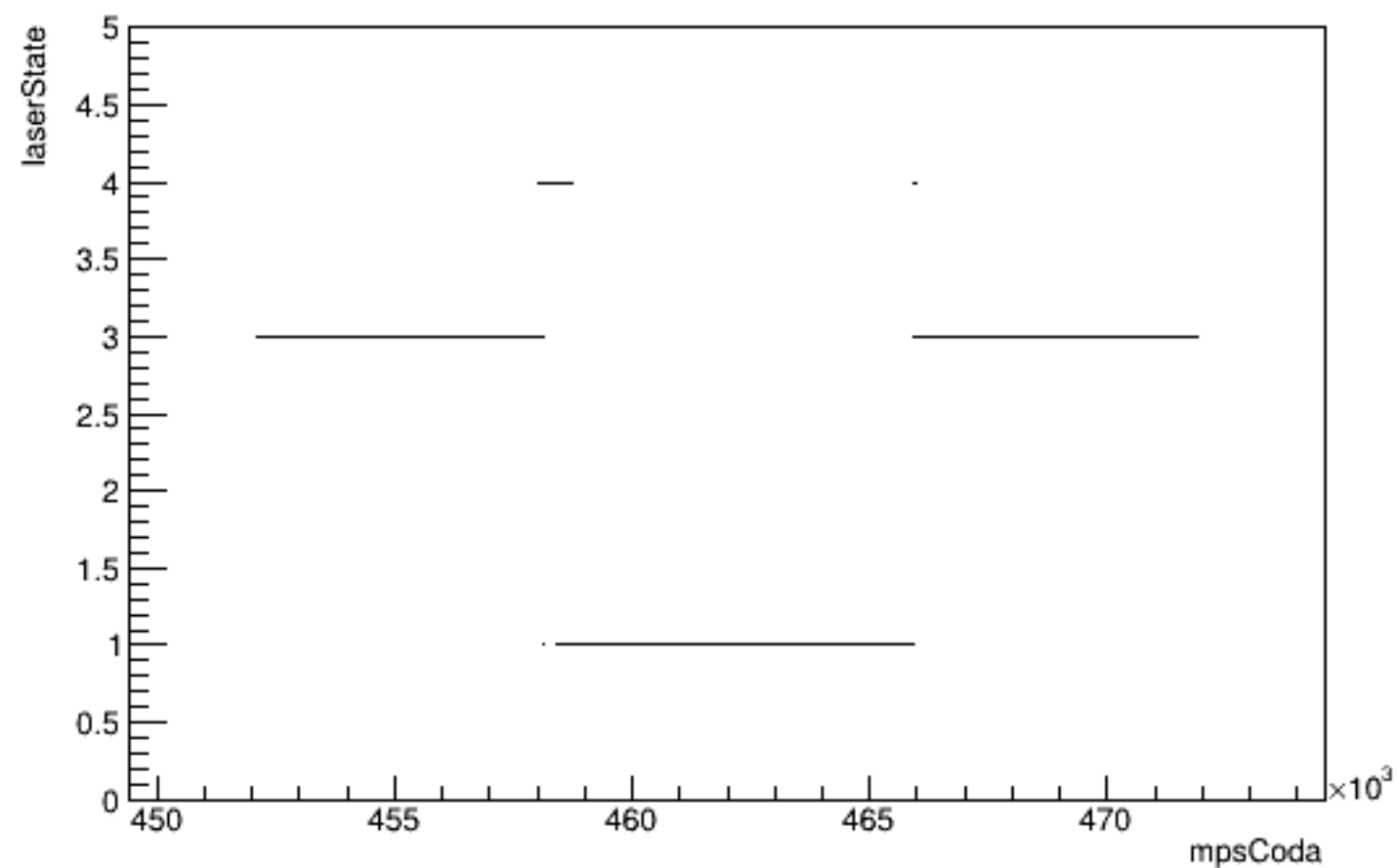
Run 6086 quartetwise, Asyms



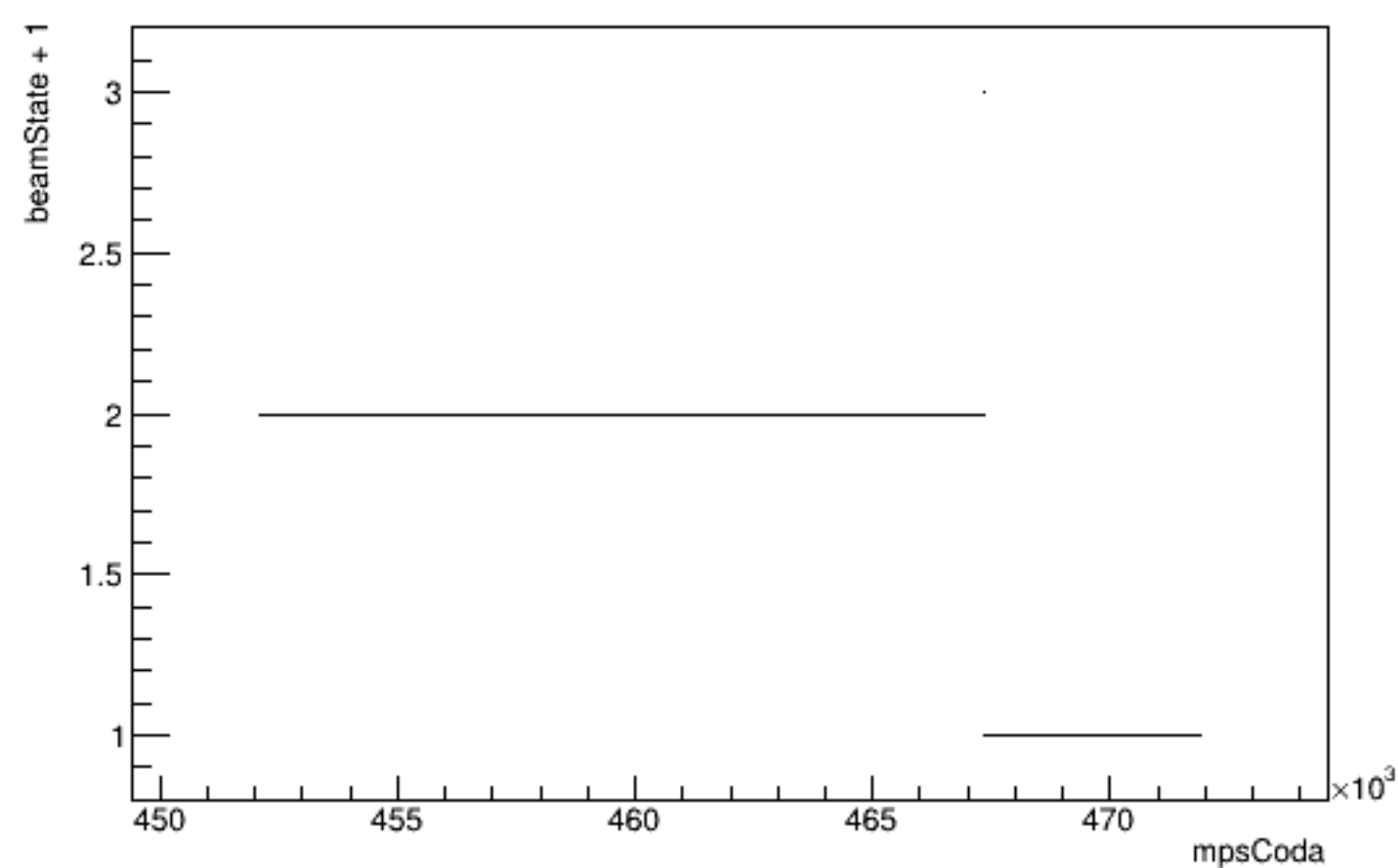
Acc0/NAcc0:mpsCoda (mpsCoda>=452094 && mpsCoda<=471893 && beamState==1)



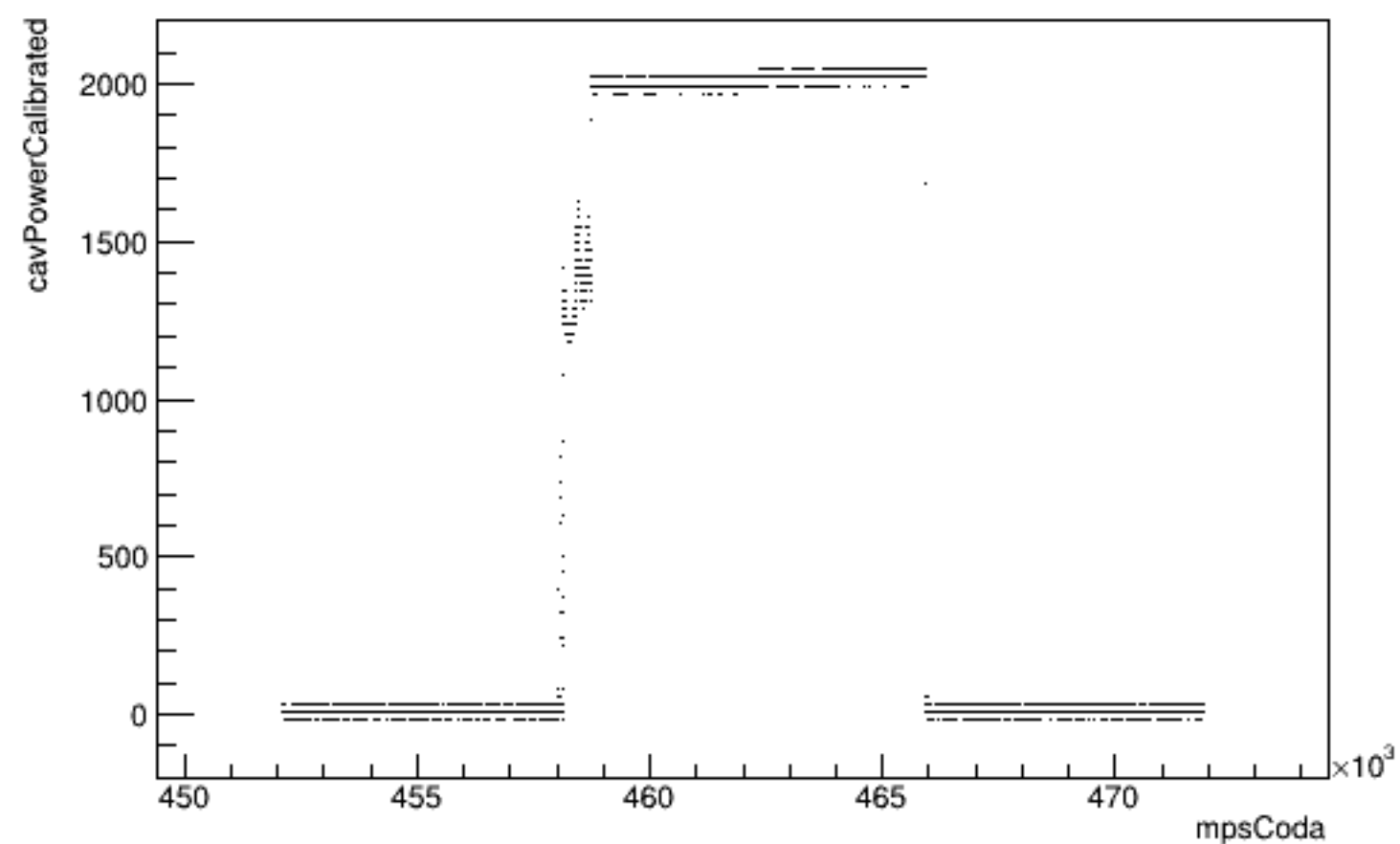
laserState:mpsCoda {mpsCoda>=452094 && mpsCoda<=471893}



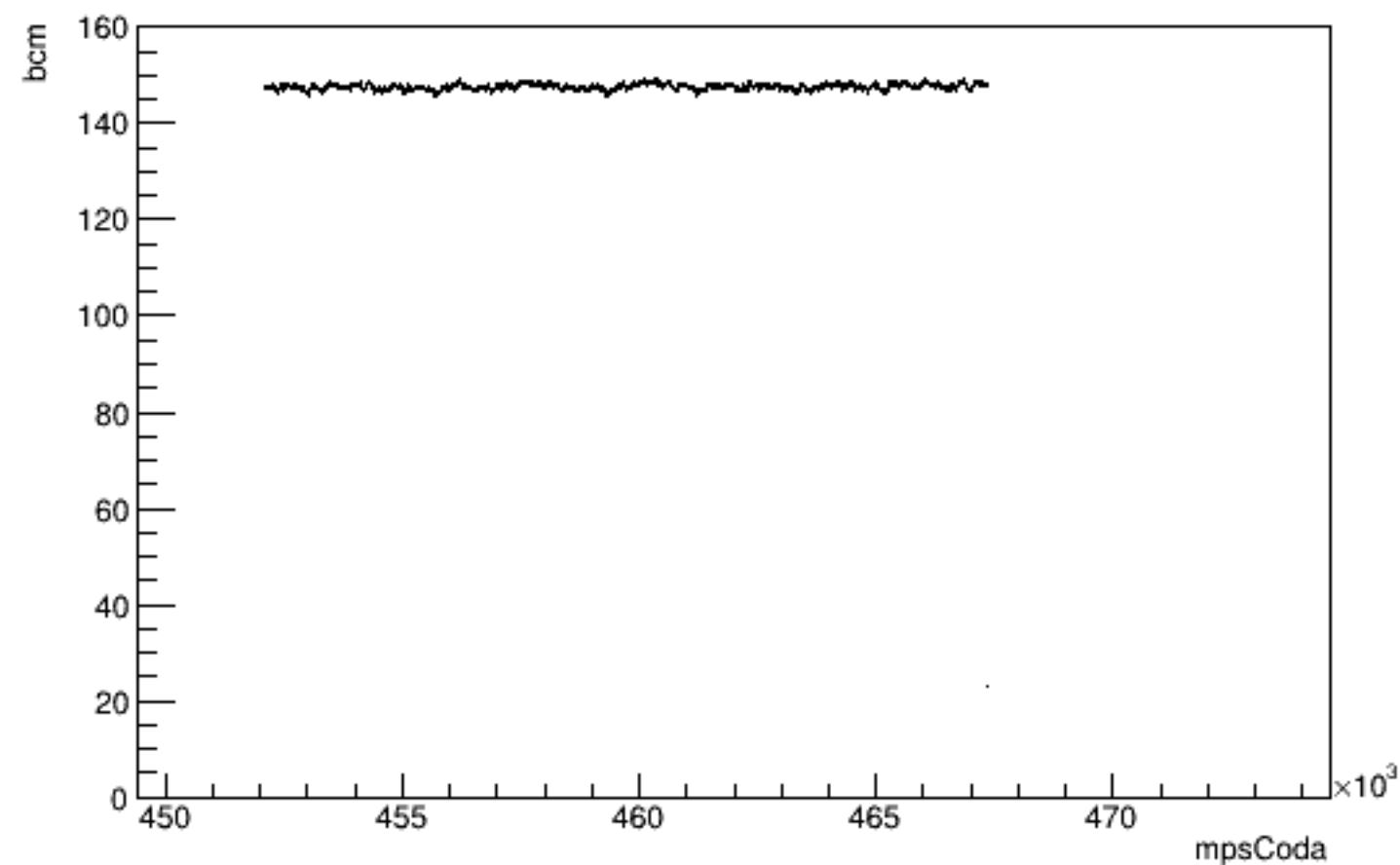
beamState + 1:mpsCoda {mpsCoda>=452094 && mpsCoda<=471893}



cavPowerCalibrated:mpsCoda {mpsCoda>=452094 && mpsCoda<=471893}



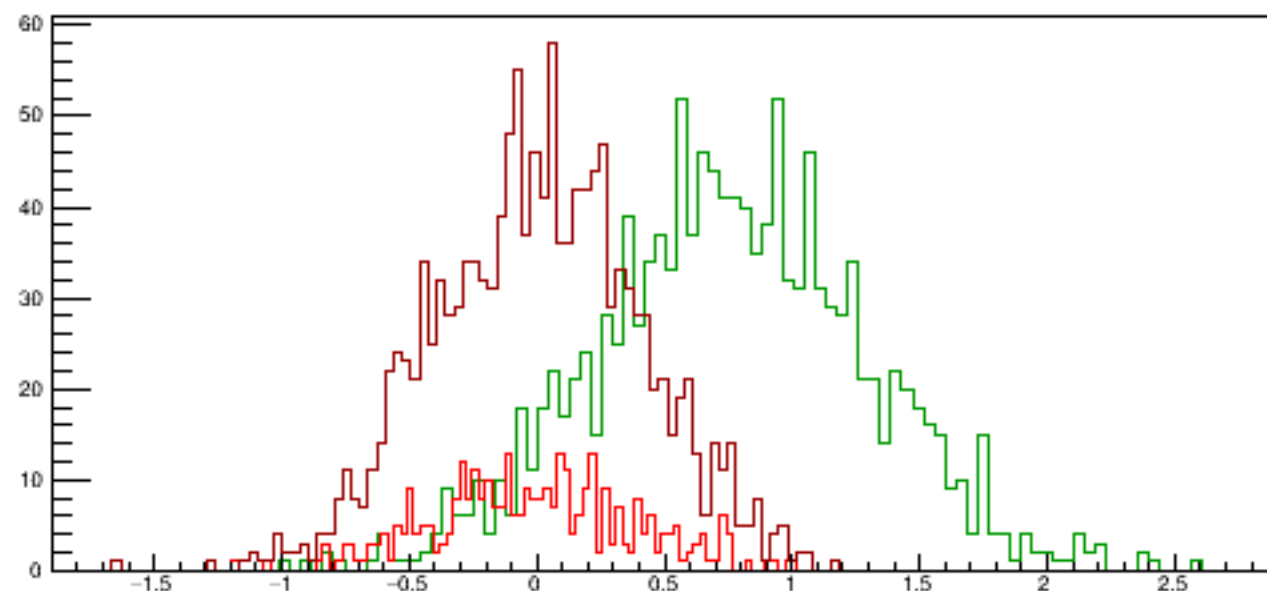
bcm:mpsCoda {mpsCoda>=452094 && mpsCoda<=471893}



Cycle 21, Diffs

Entries: 346	Entries: 1313	Entries: 1363
Mean: -0.0135 +/- 0.0211	Mean: 0.7605 +/- 0.0147	Mean: 0.0064 +/- 0.0110
Std Dev: 0.3918 +/- 0.0149	Std Dev: 0.5313 +/- 0.0104	Std Dev: 0.4049 +/- 0.0078

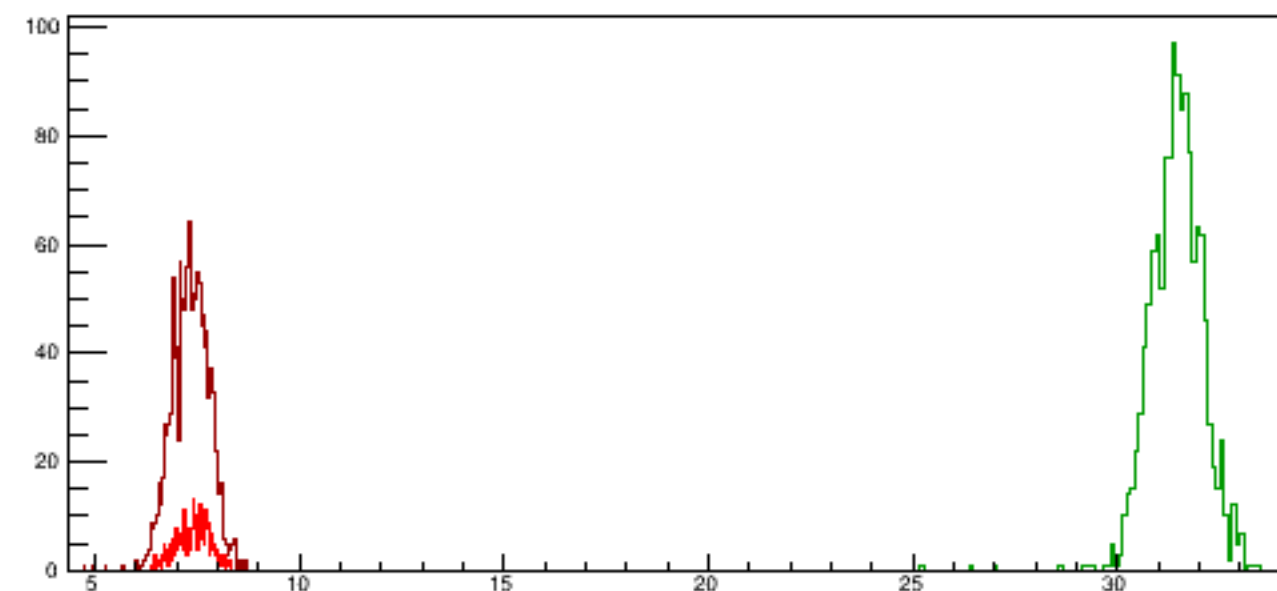
Run 6086 quartetwise, Diffs



Cycle 21, Sums

Entries: 346	Entries: 1313	Entries: 1363
Mean: 7.4300 +/- 0.0237	Mean: 31.4550 +/- 0.0182	Mean: 7.3438 +/- 0.0124
Std Dev: 0.4412 +/- 0.0168	Std Dev: 0.6586 +/- 0.0129	Std Dev: 0.4566 +/- 0.0087

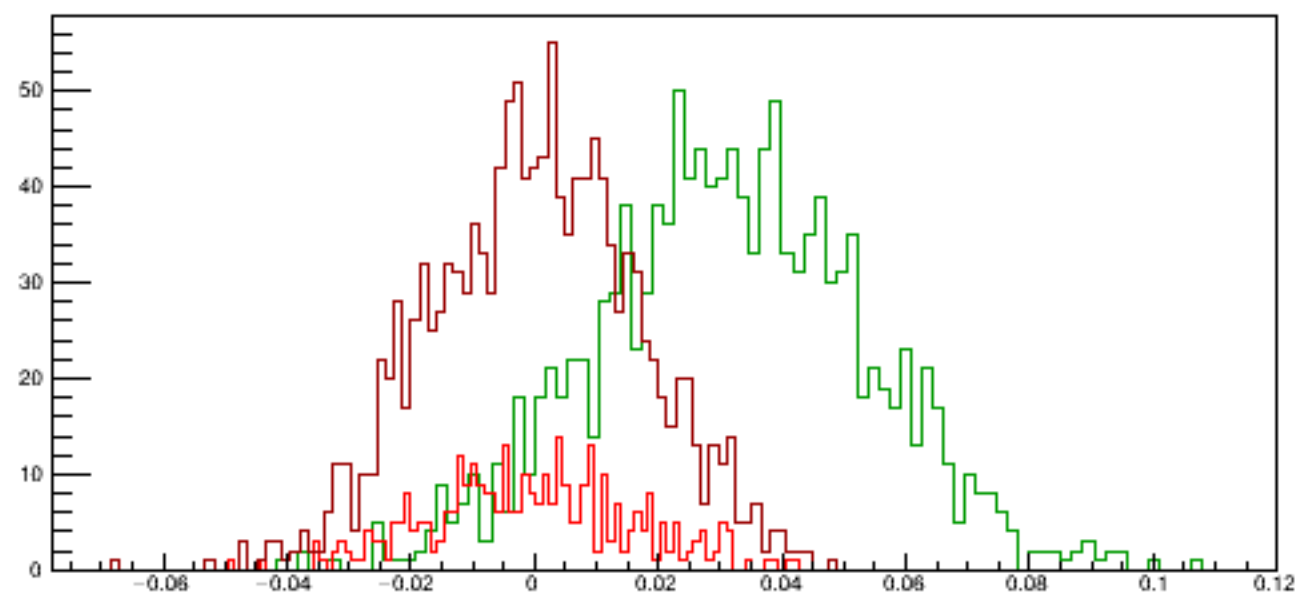
Run 6086 quartetwise, Sums



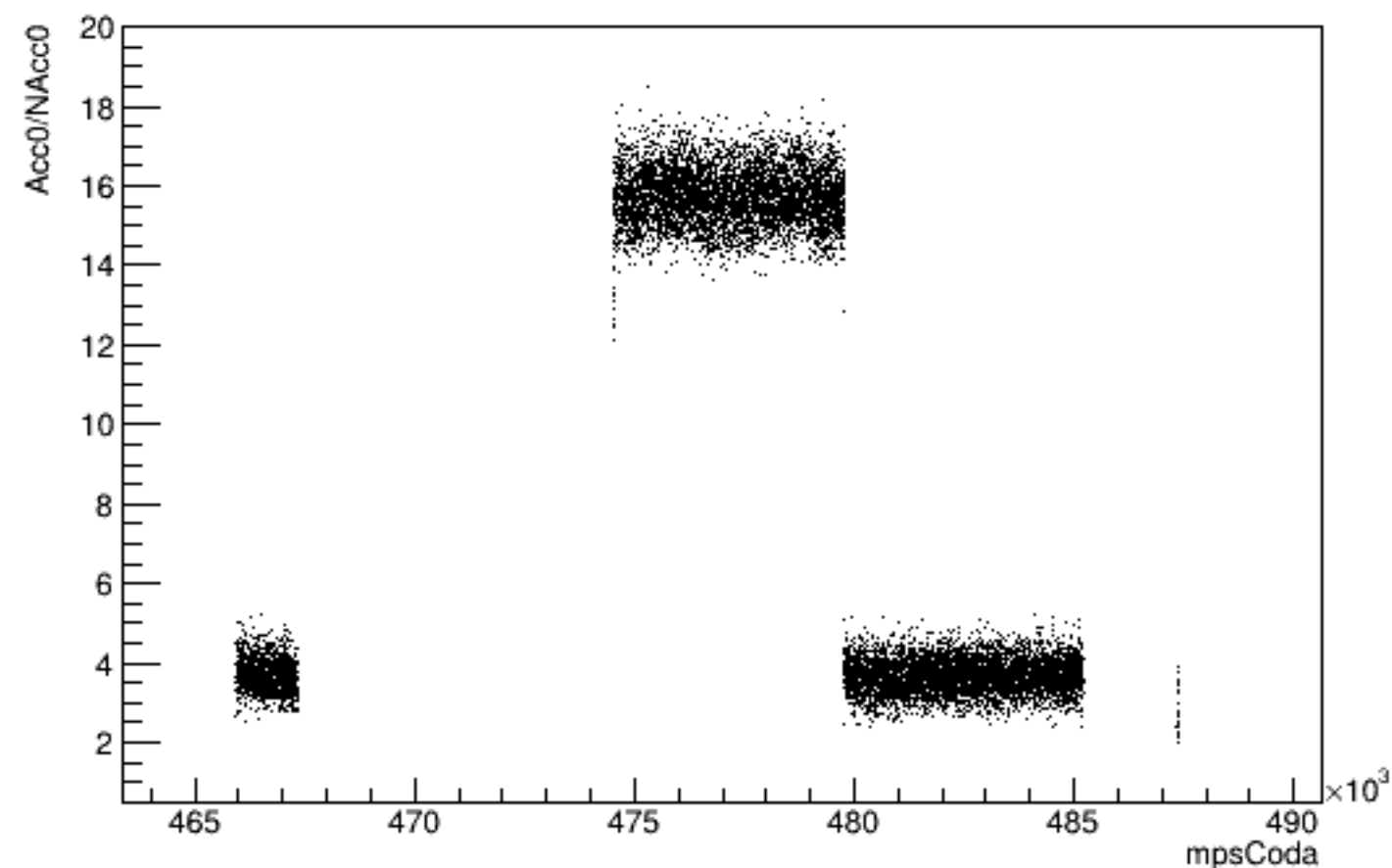
Cycle 21, Asyms

Entries: 346	Entries: 1313	Entries: 1363
Mean: -0.0006 +/- 0.0009	Mean: 0.0316 +/- 0.0006	Mean: 0.0003 +/- 0.0005
Std Dev: 0.0163 +/- 0.0006	Std Dev: 0.0220 +/- 0.0004	Std Dev: 0.0168 +/- 0.0003

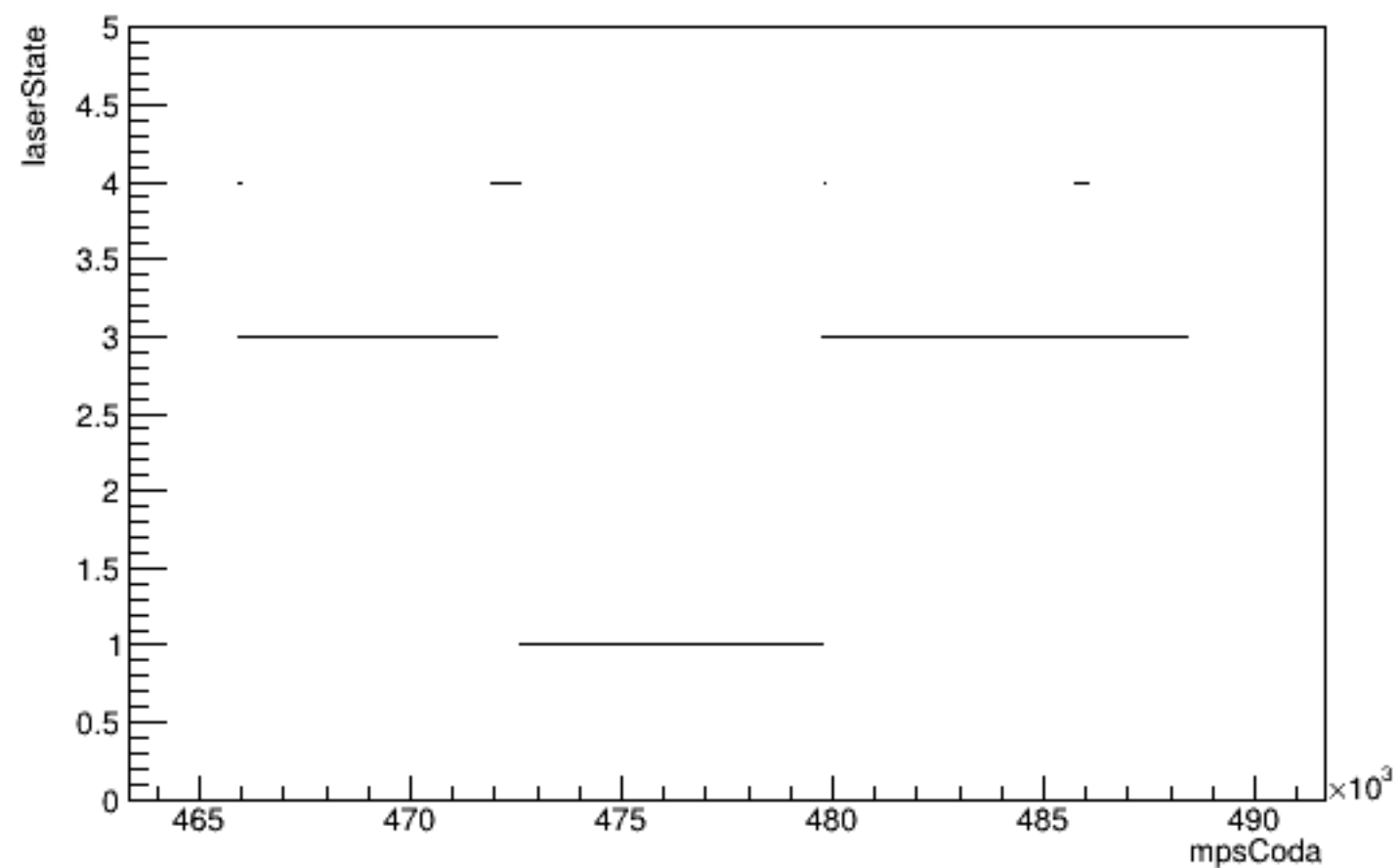
Run 6086 quartetwise, Asyms



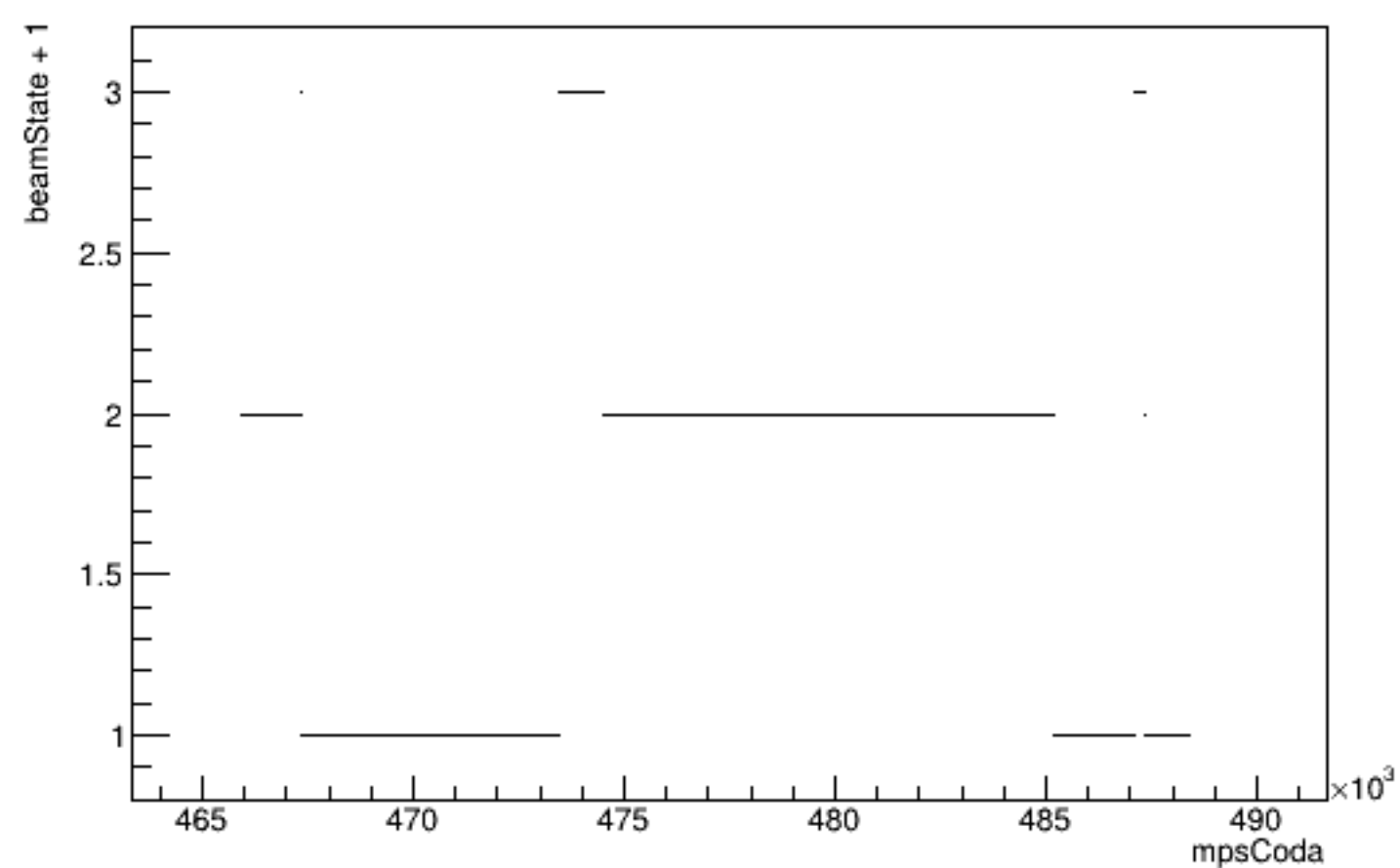
Acc0/NAcc0:mpsCoda (mpsCoda>=465938 && mpsCoda<=488385 && beamState==1)



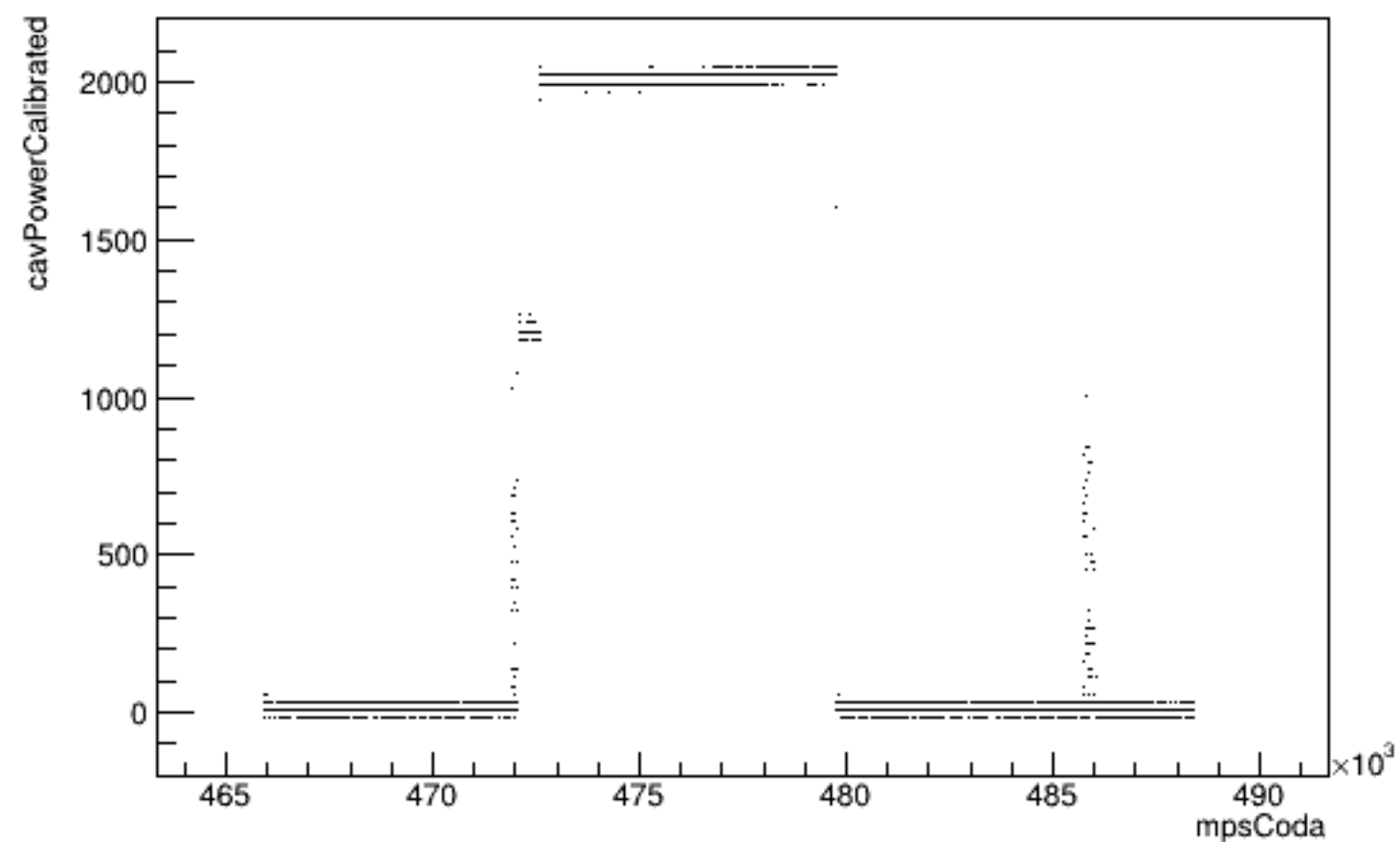
laserState:mpsCoda {mpsCoda>=465938 && mpsCoda<=488385}



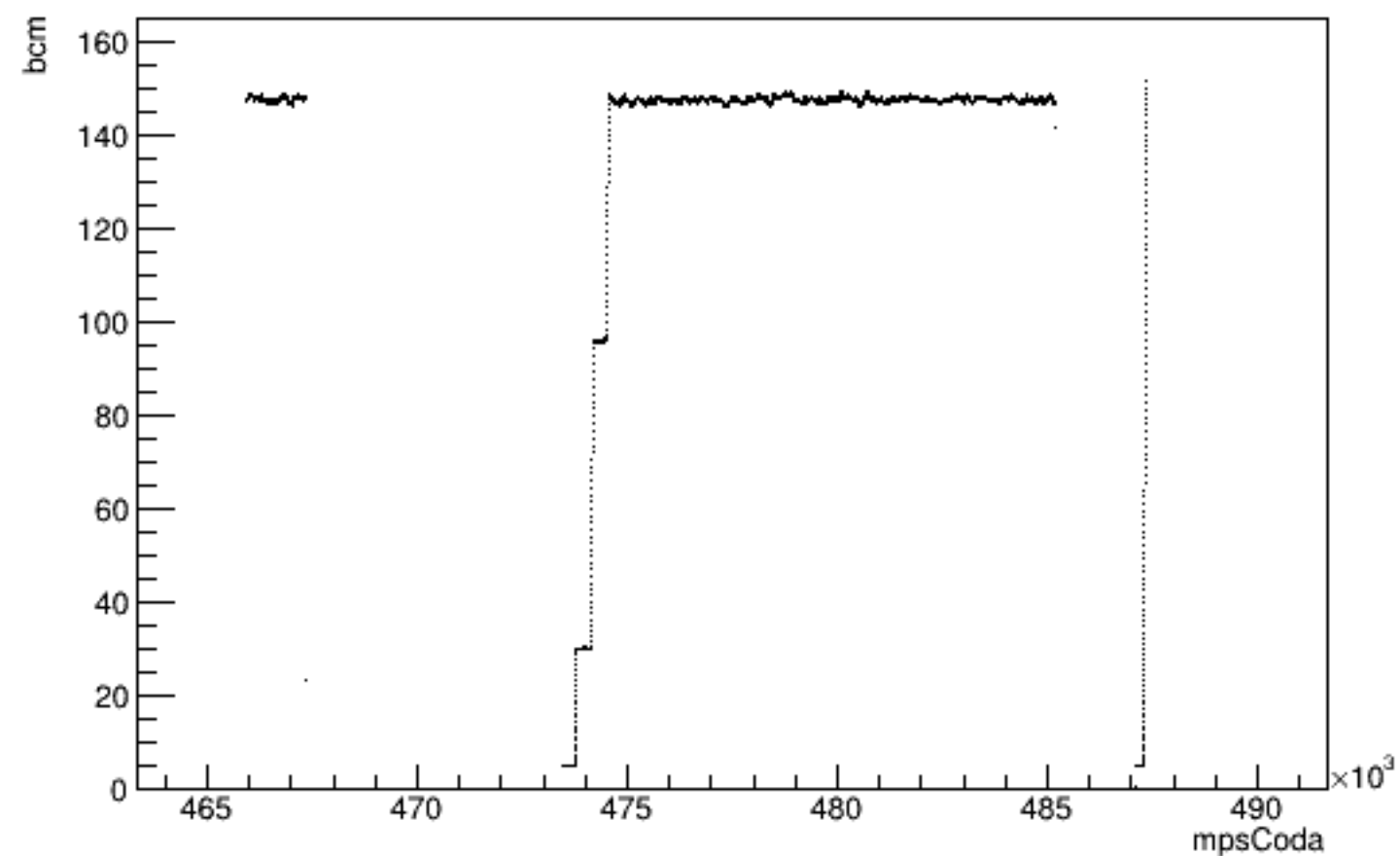
beamState + 1:mpsCoda {mpsCoda>=465938 && mpsCoda<=488385}



cavPowerCalibrated:mpsCoda {mpsCoda>=465938 && mpsCoda<=488385}



bcm:mpsCoda {mpsCoda>=465938 && mpsCoda<=488385}



Cycle 22, Diffs

Entries: 1363

Mean: 0.0064 +/- 0.0110

Std Dev: 0.4049 +/- 0.0078

Entries: 1596

Mean: 0.7751 +/- 0.0136

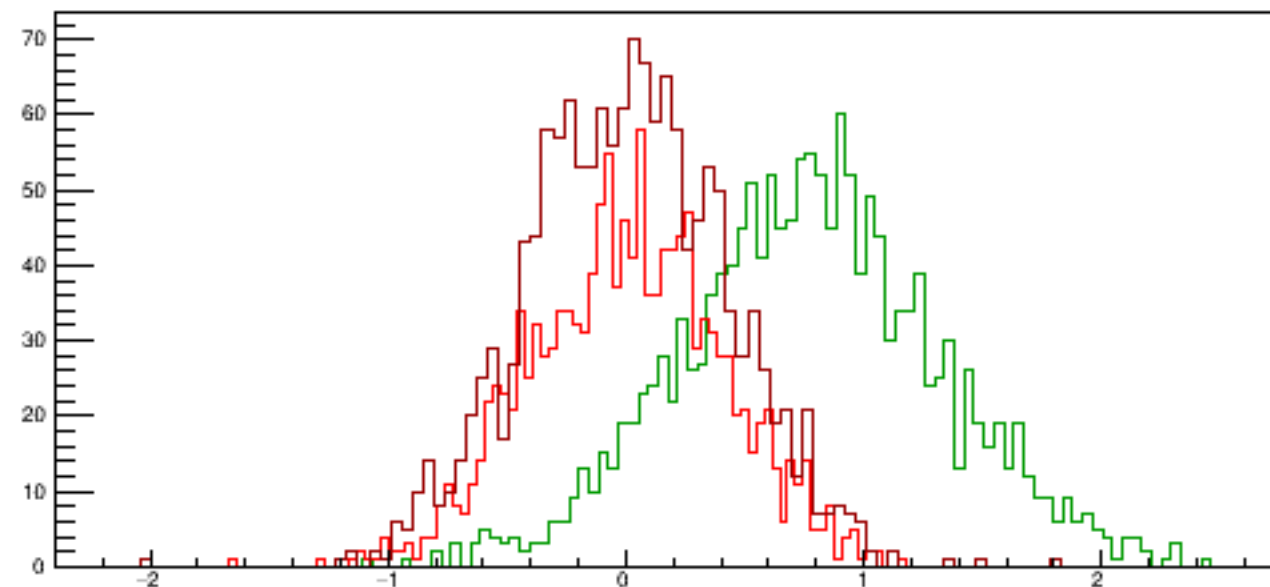
Std Dev: 0.5429 +/- 0.0096

Entries: 1487

Mean: 0.0097 +/- 0.0108

Std Dev: 0.4177 +/- 0.0077

Run 6086 quartetwise, Diffs



Cycle 22, Sums

Entries: 1363

Mean: 7.3438 +/- 0.0124

Std Dev: 0.4566 +/- 0.0087

Entries: 1596

Mean: 31.3463 +/- 0.0172

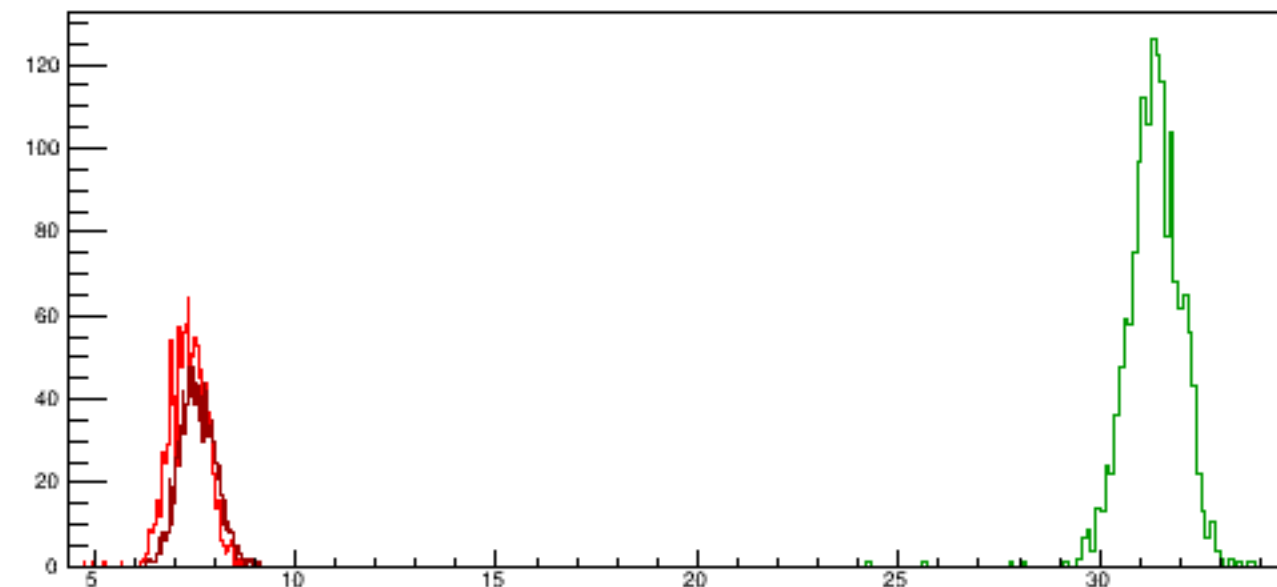
Std Dev: 0.6873 +/- 0.0122

Entries: 1487

Mean: 7.5802 +/- 0.0115

Std Dev: 0.4420 +/- 0.0081

Run 6086 quartetwise, Sums



Cycle 22, Asyms

Entries: 1363

Mean: 0.0003 +/- 0.0005

Std Dev: 0.0170 +/- 0.0003

Entries: 1596

Mean: 0.0324 +/- 0.0006

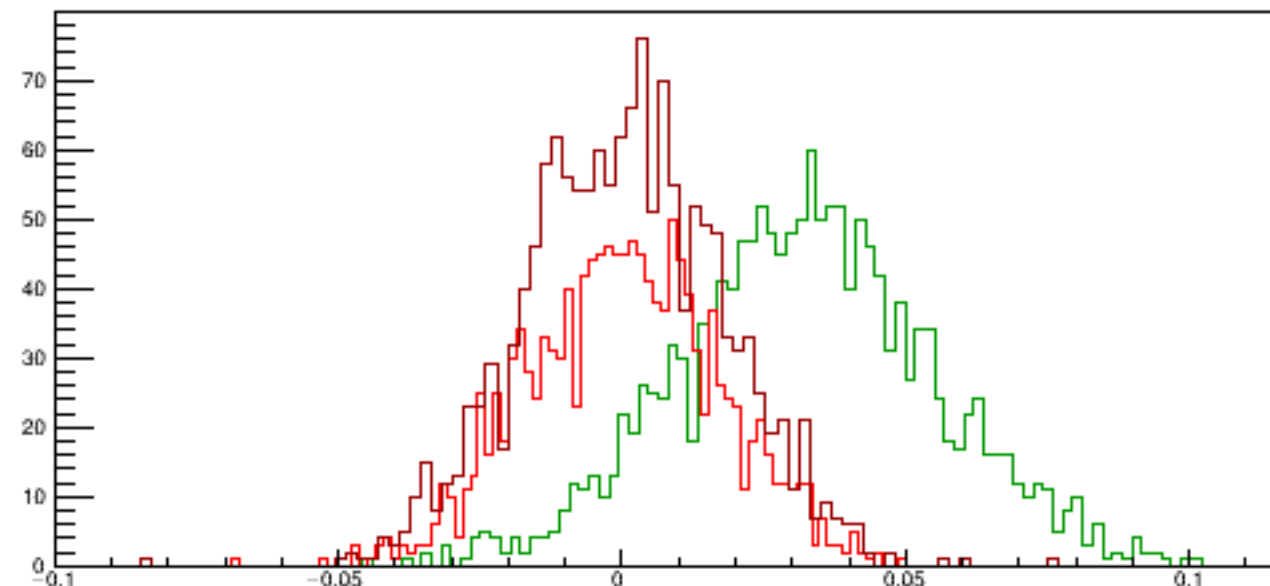
Std Dev: 0.0227 +/- 0.0004

Entries: 1487

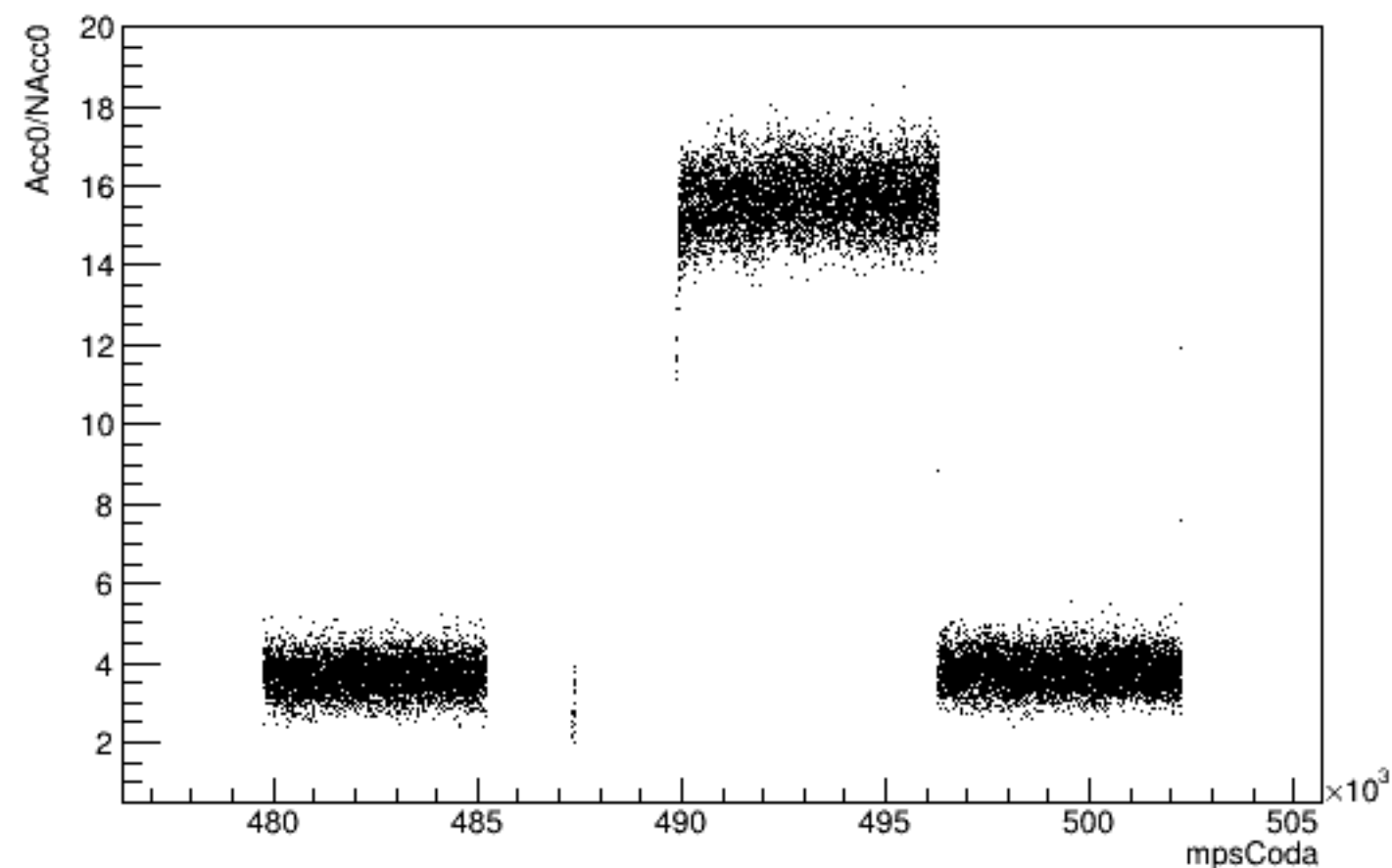
Mean: 0.0004 +/- 0.0005

Std Dev: 0.0175 +/- 0.0003

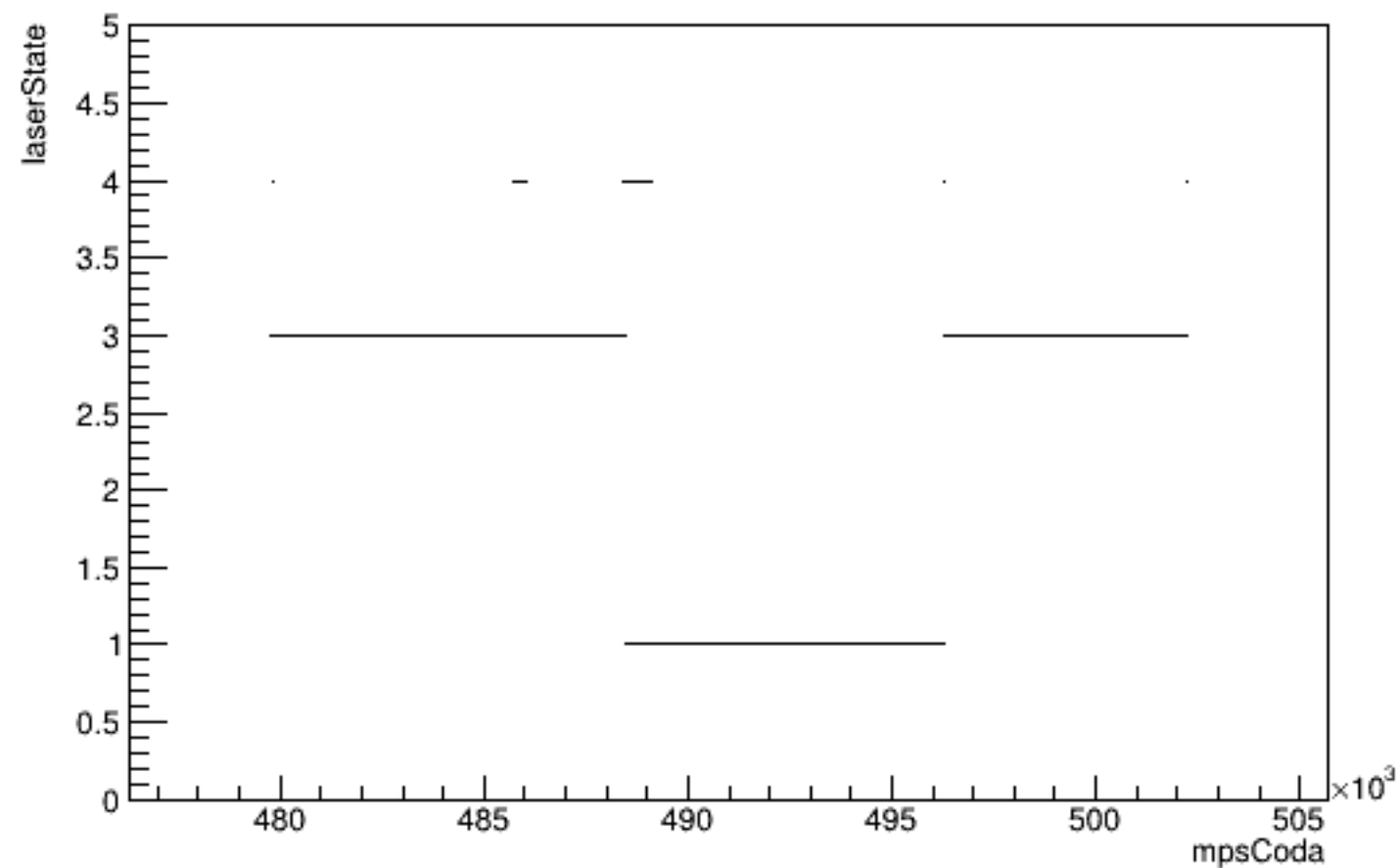
Run 6086 quartetwise, Asyms



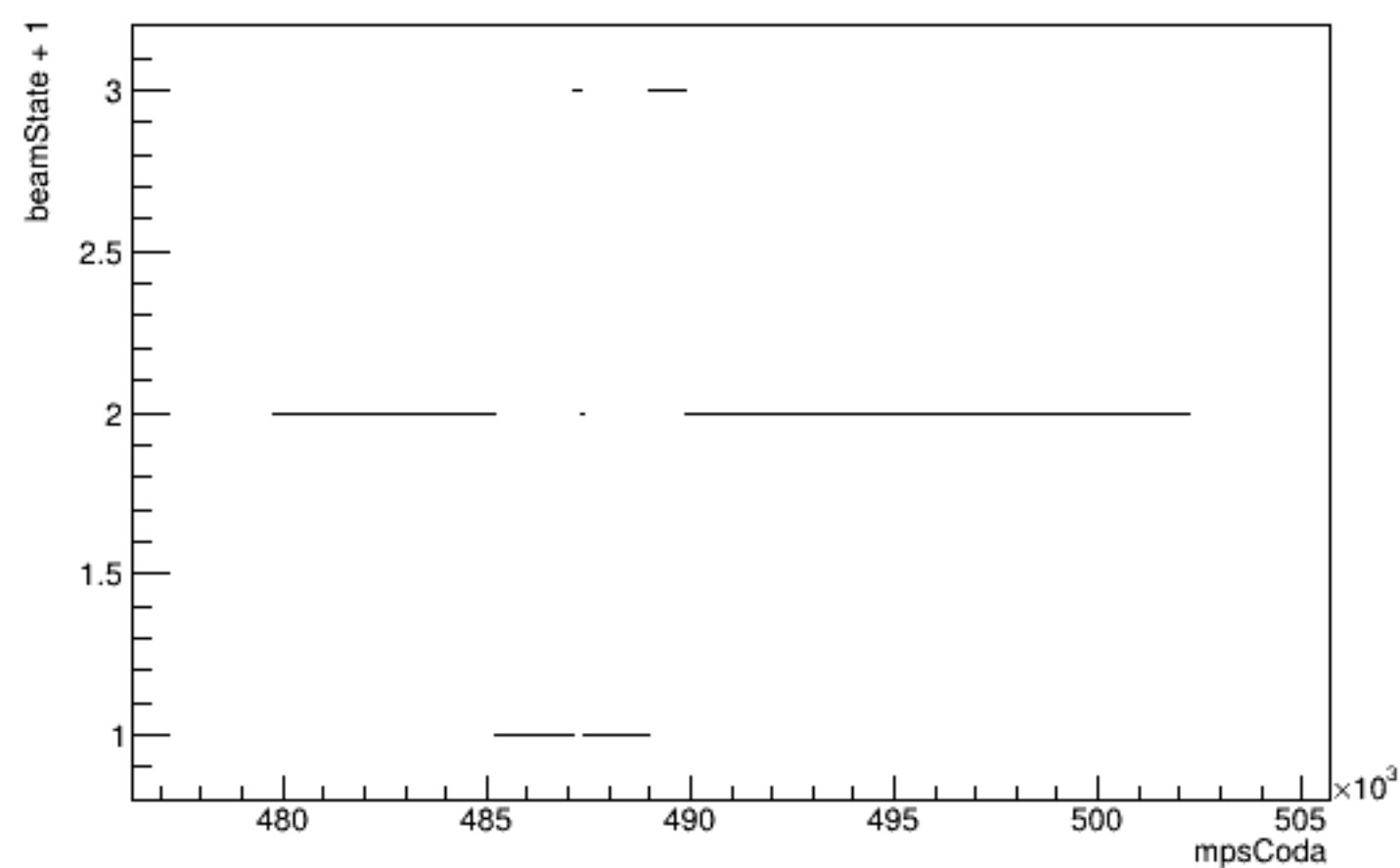
Acc0/NAcc0:mpsCoda (mpsCoda>=479778 && mpsCoda<=502245 && beamState==1)



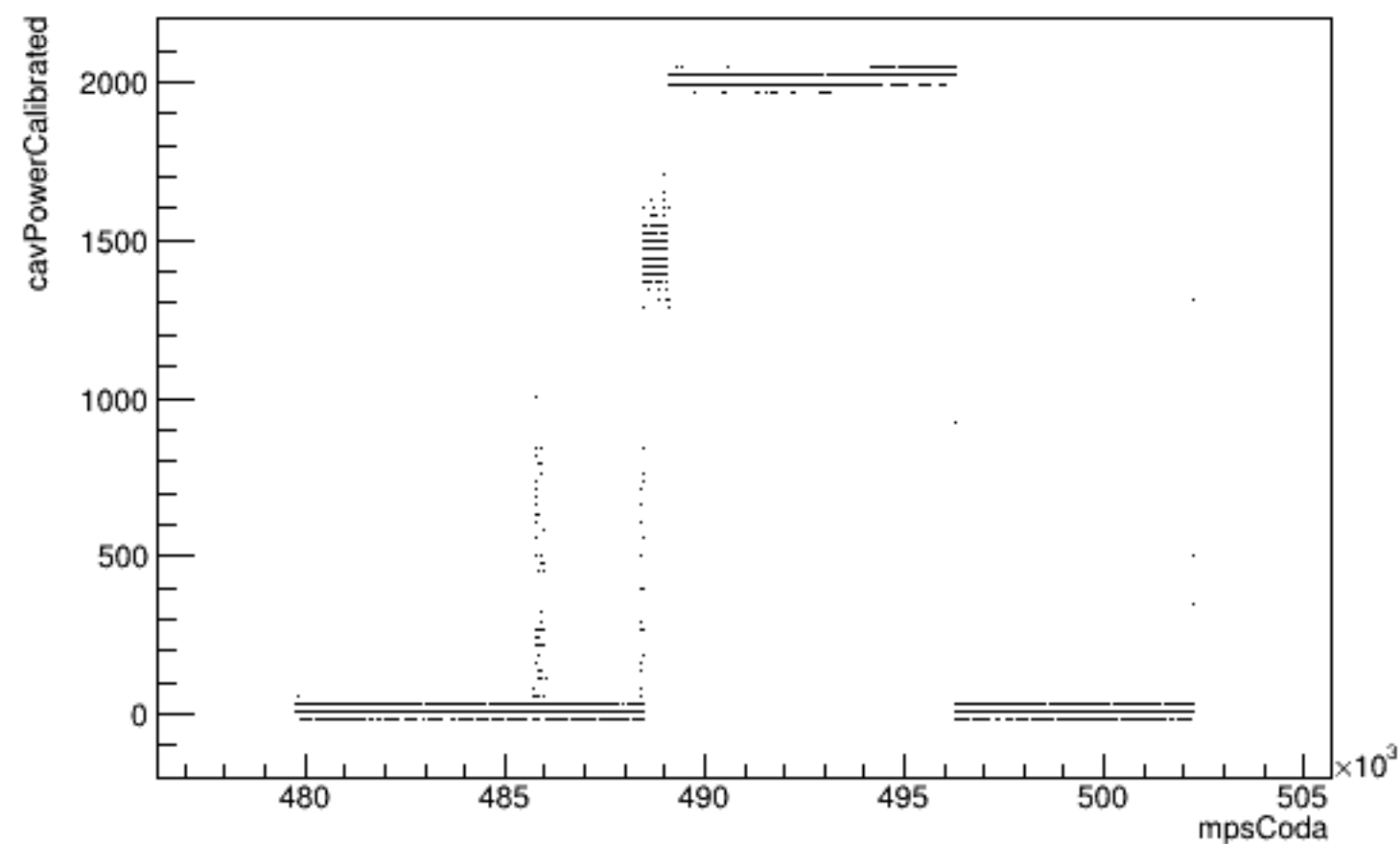
laserState:mpsCoda {mpsCoda>=479778 && mpsCoda<=502245}



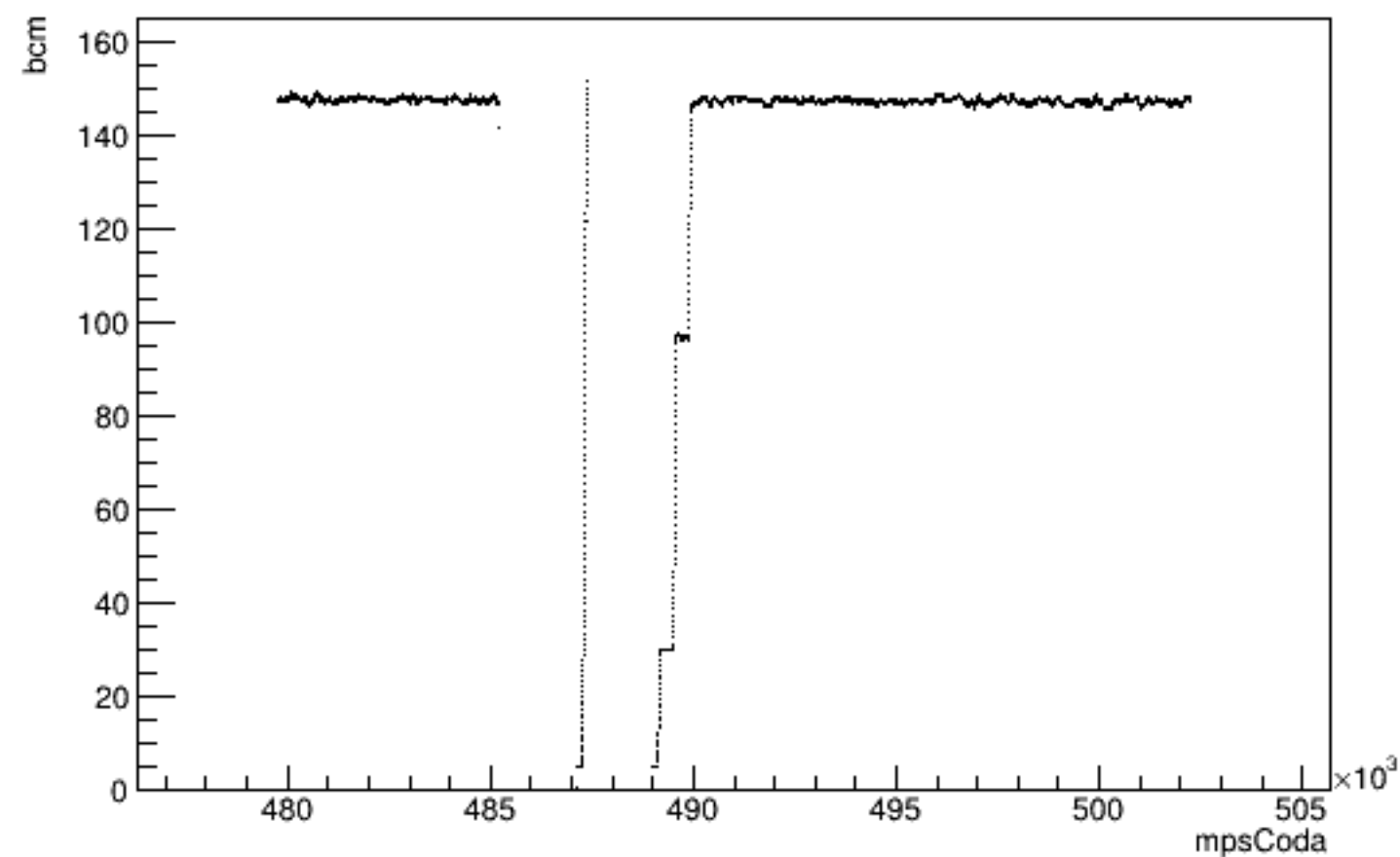
beamState + 1:mpsCoda {mpsCoda>=479778 && mpsCoda<=502245}



cavPowerCalibrated:mpsCoda {mpsCoda>=479778 && mpsCoda<=502245}



bcm:mpsCoda {mpsCoda>=479778 && mpsCoda<=502245}



Cycle 23, Diffs

Entries: 1503

Mean: -0.0125 +/- 0.0105

Std Dev: 0.4056 +/- 0.0074

Entries: 1801

Mean: 0.7652 +/- 0.0124

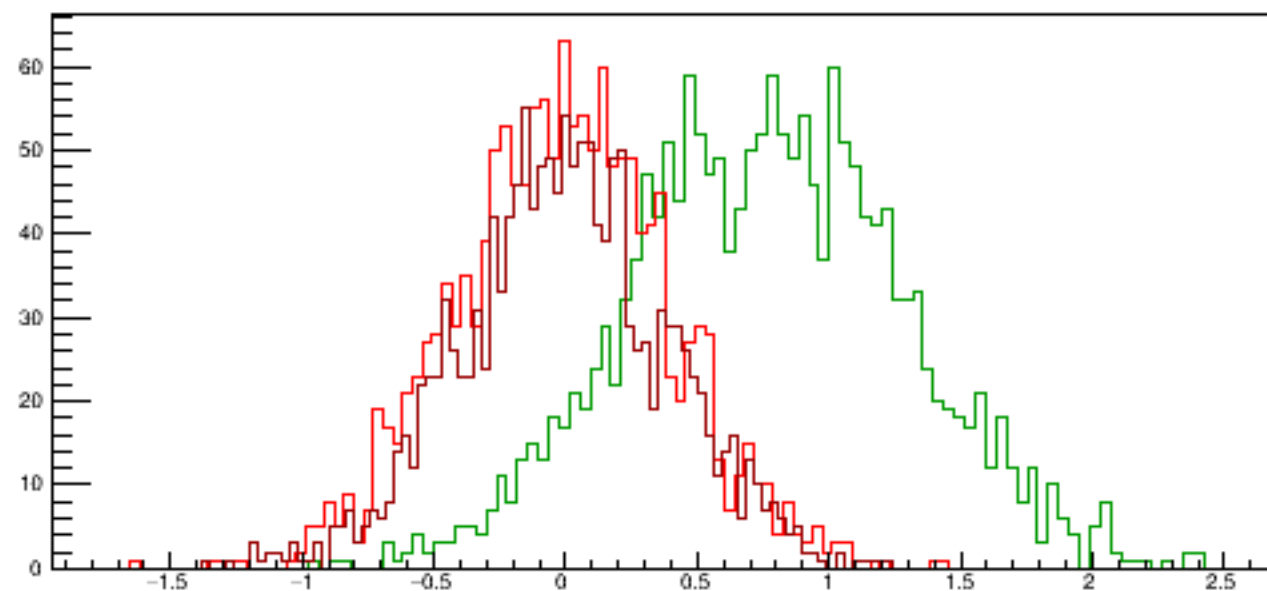
Std Dev: 0.5268 +/- 0.0088

Entries: 1508

Mean: -0.0045 +/- 0.0101

Std Dev: 0.3929 +/- 0.0072

Run 6086 quartetwise, Diffs



Cycle 23, Sums

Entries: 1503

Mean: 7.5775 +/- 0.0112

Std Dev: 0.4324 +/- 0.0079

Entries: 1801

Mean: 31.4492 +/- 0.0144

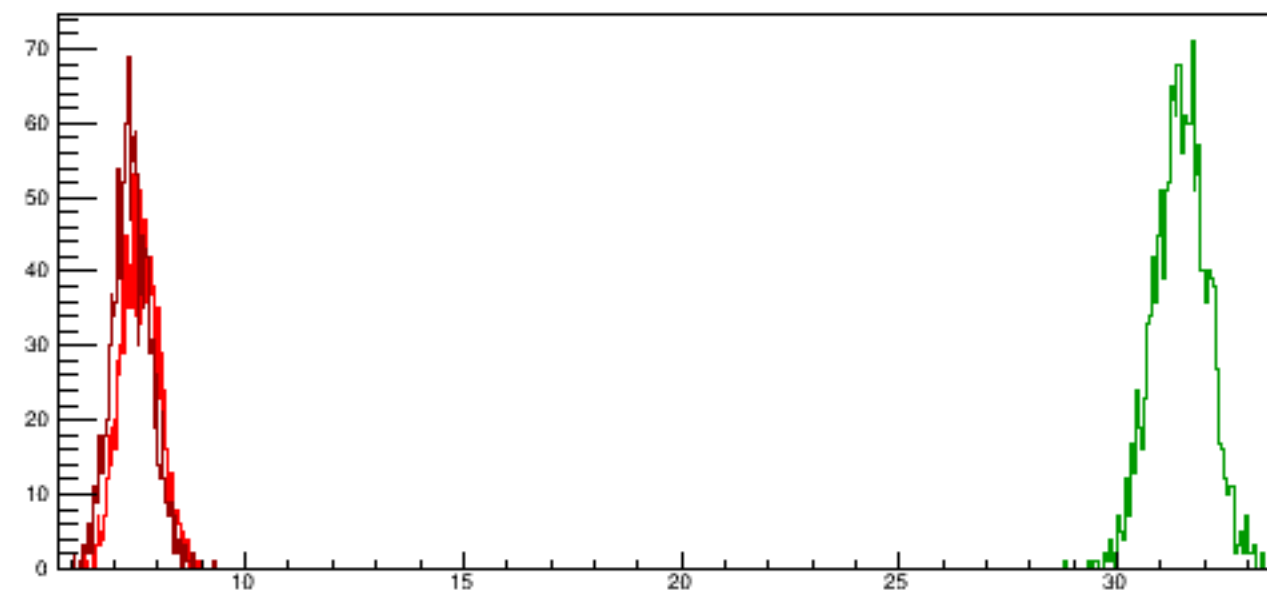
Std Dev: 0.6126 +/- 0.0102

Entries: 1508

Mean: 7.3863 +/- 0.0112

Std Dev: 0.4367 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 23, Asyms

Entries: 1503

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0169 +/- 0.0003

Entries: 1801

Mean: 0.0319 +/- 0.0005

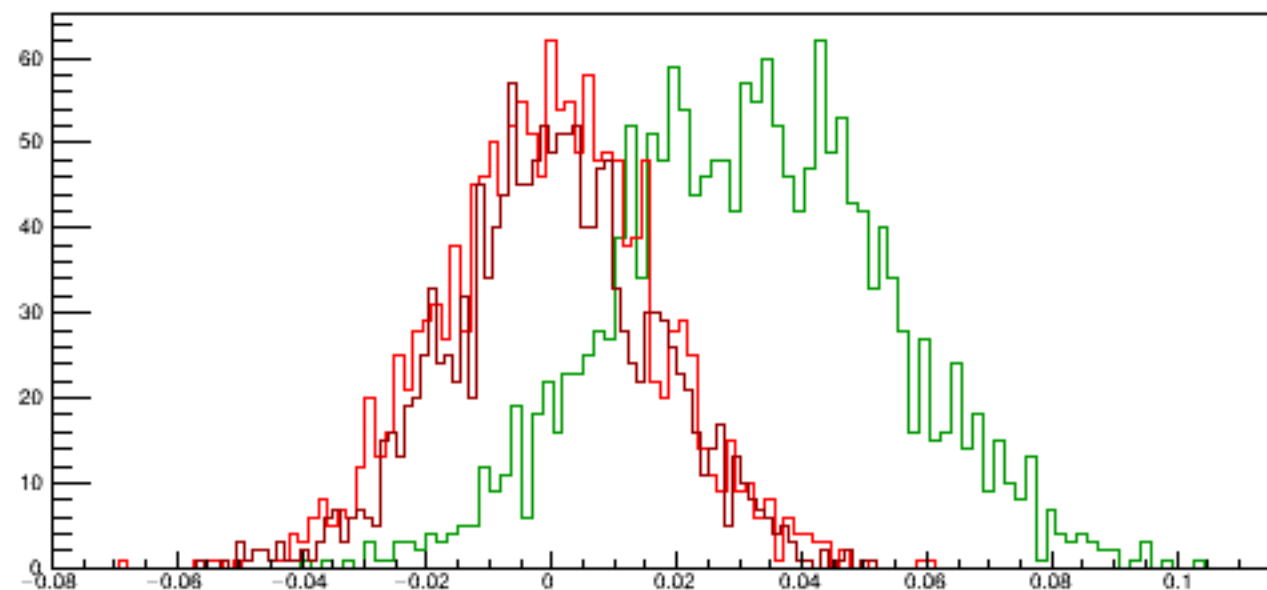
Std Dev: 0.0220 +/- 0.0004

Entries: 1508

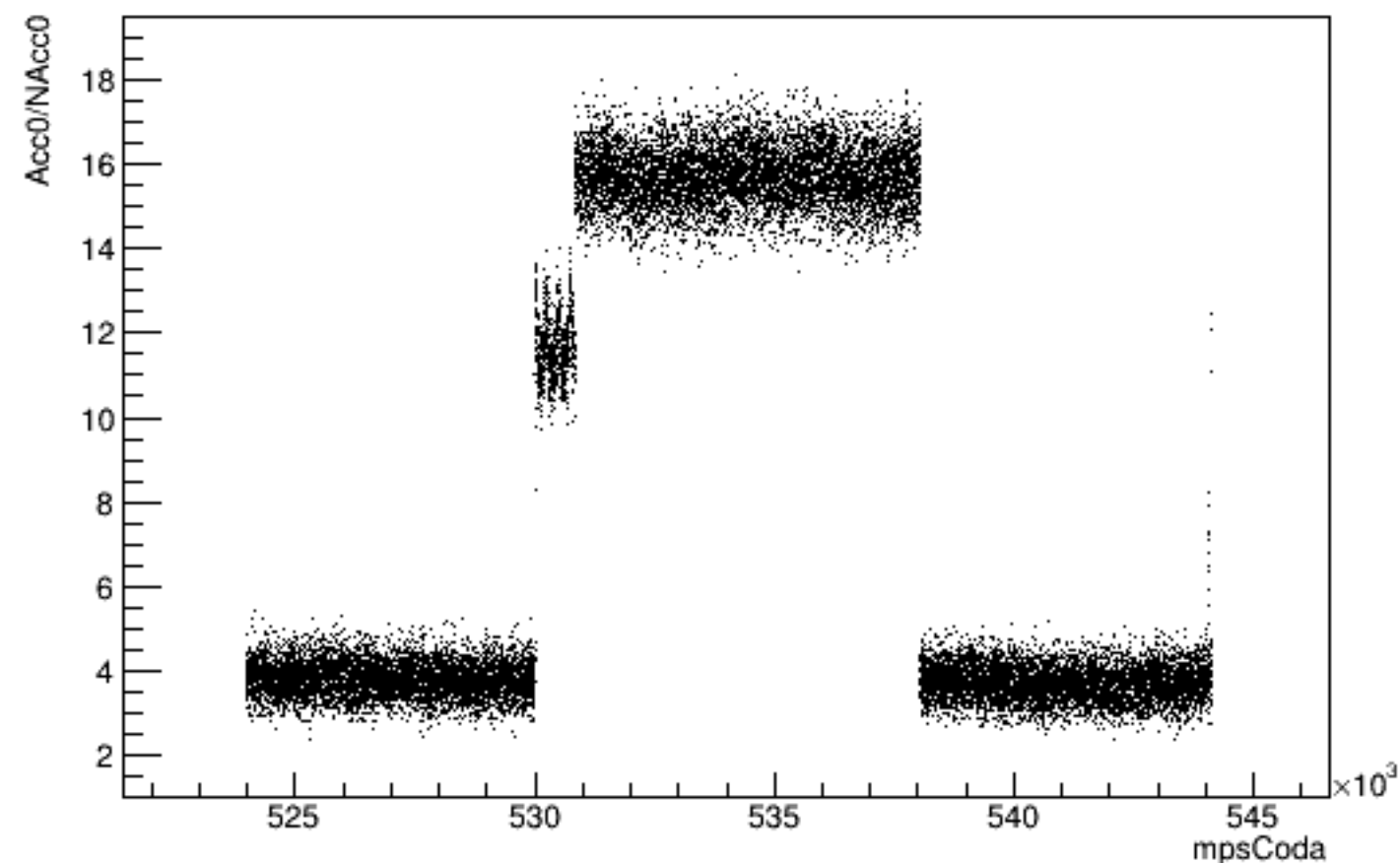
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0164 +/- 0.0003

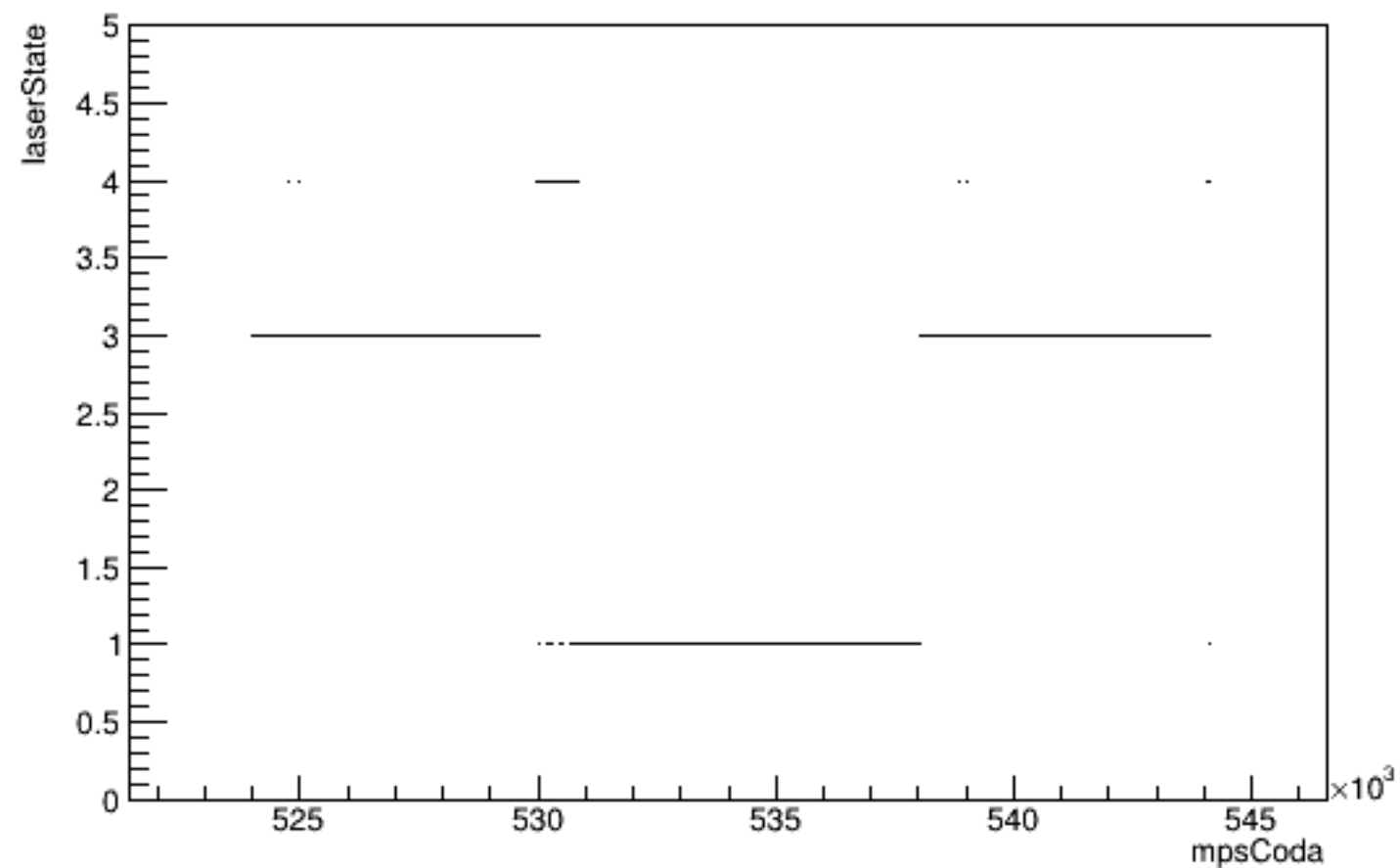
Run 6086 quartetwise, Asyms



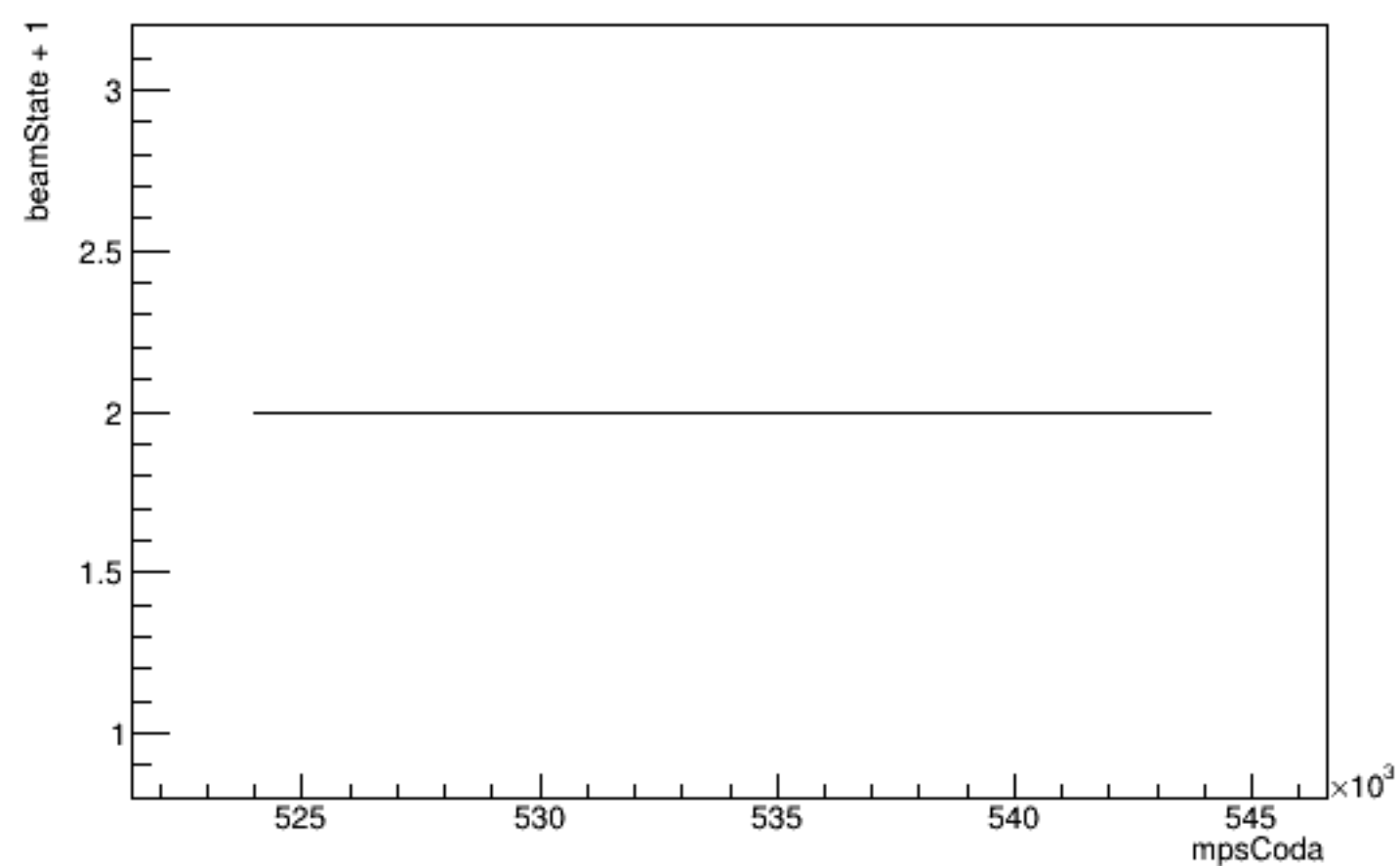
Acc0/NAcc0:mpsCoda (mpsCoda>=523966 && mpsCoda<=544121 && beamState==1)



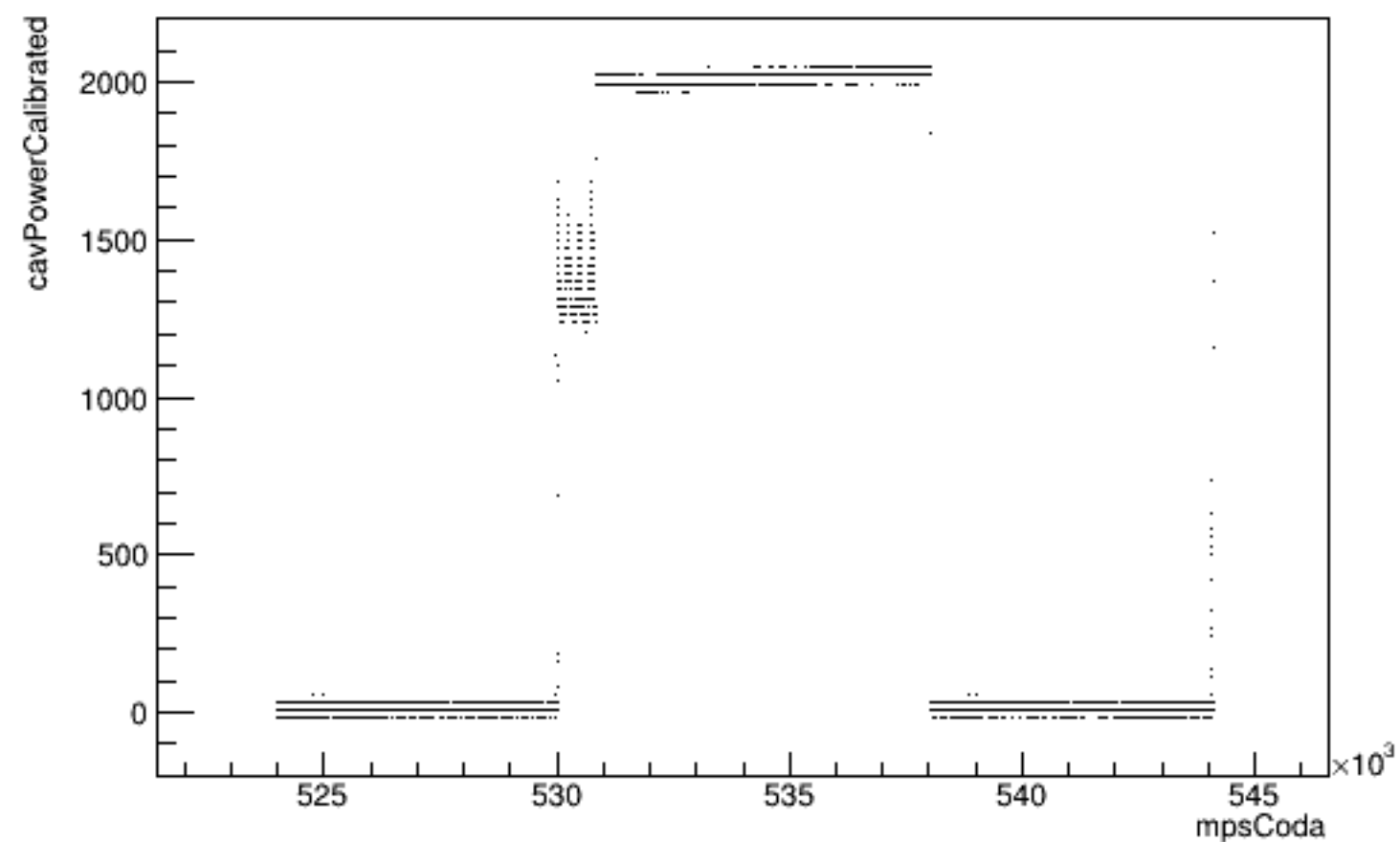
laserState:mpsCoda {mpsCoda>=523966 && mpsCoda<=544121}



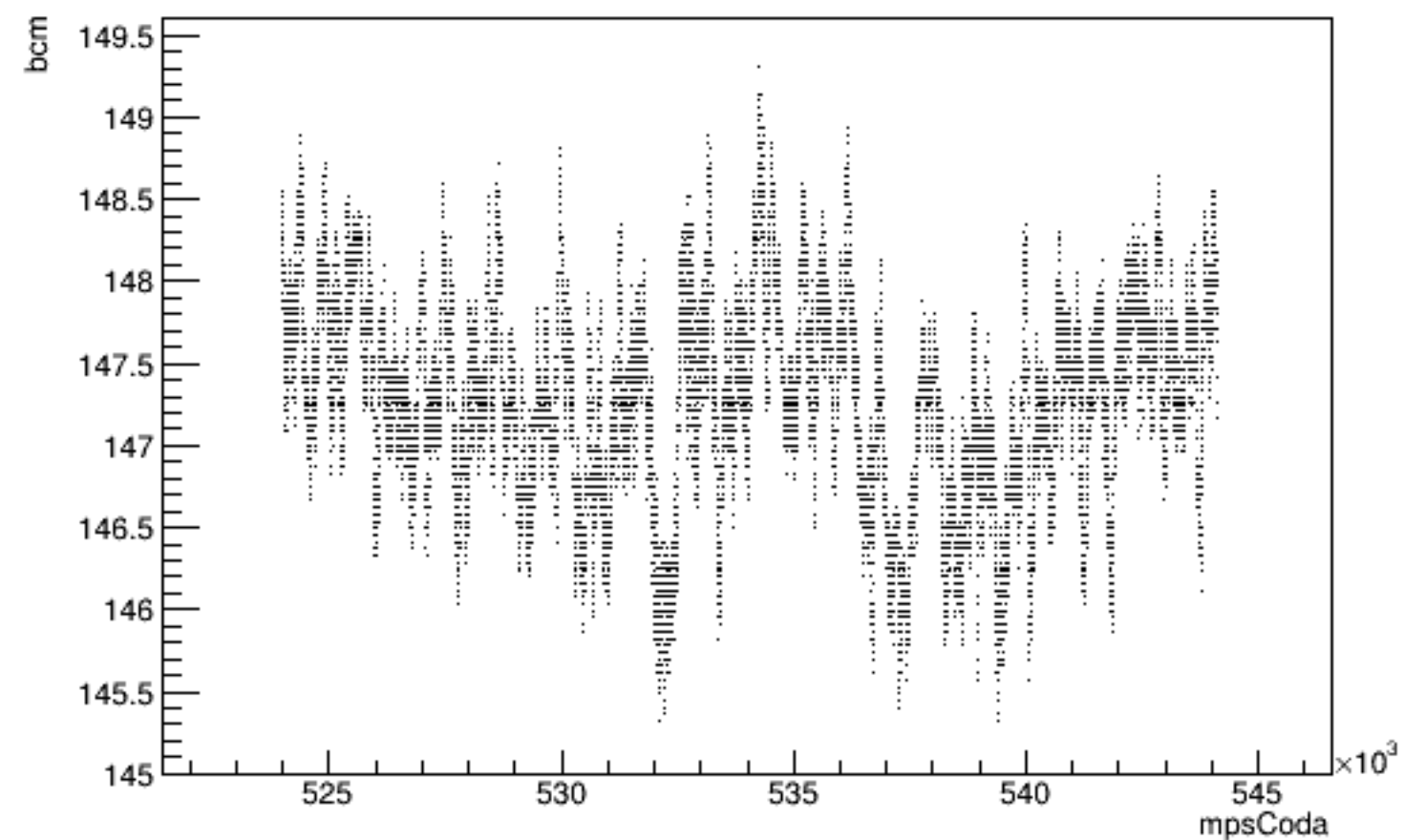
beamState + 1:mpsCoda {mpsCoda>=523966 && mpsCoda<=544121}



cavPowerCalibrated:mpsCoda {mpsCoda>=523966 && mpsCoda<=544121}



bcm:mpsCoda {mpsCoda>=523966 && mpsCoda<=544121}



Cycle 24, Diffs

Entries: 1508

Mean: -0.0045 +/- 0.0101

Std Dev: 0.3929 +/- 0.0072

Entries: 1006

Mean: 0.7486 +/- 0.0174

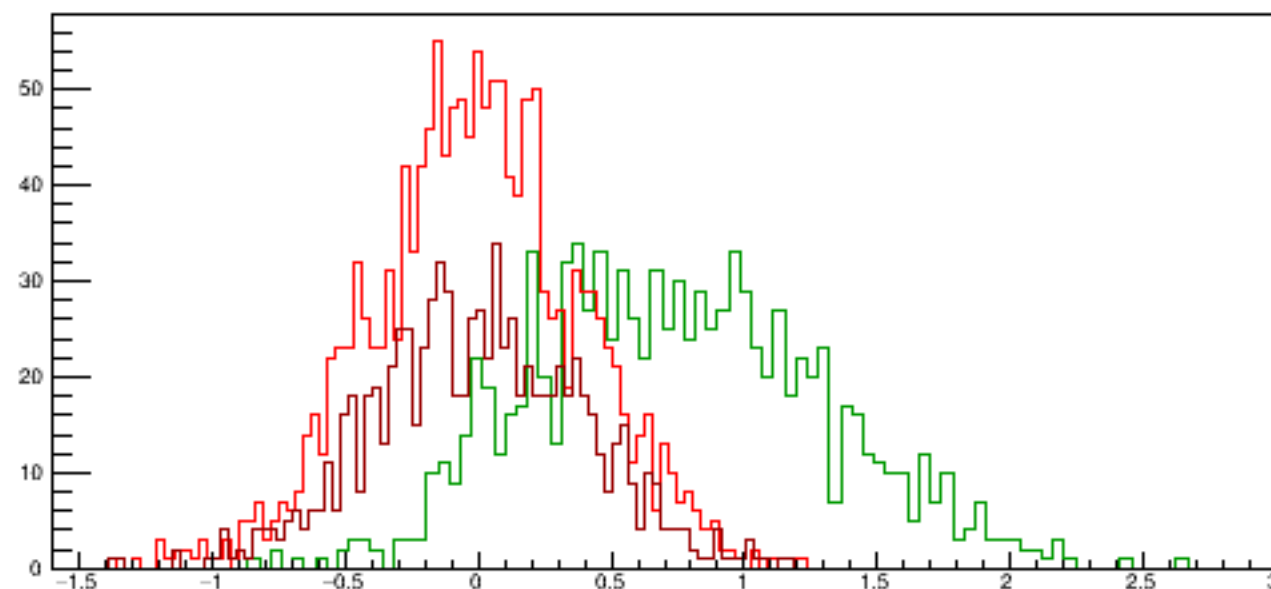
Std Dev: 0.5504 +/- 0.0123

Entries: 859

Mean: -0.0019 +/- 0.0136

Std Dev: 0.3993 +/- 0.0096

Run 6086 quartetwise, Diffs



Cycle 24, Sums

Entries: 1508

Mean: 7.3863 +/- 0.0112

Std Dev: 0.4367 +/- 0.0080

Entries: 1006

Mean: 31.2246 +/- 0.0275

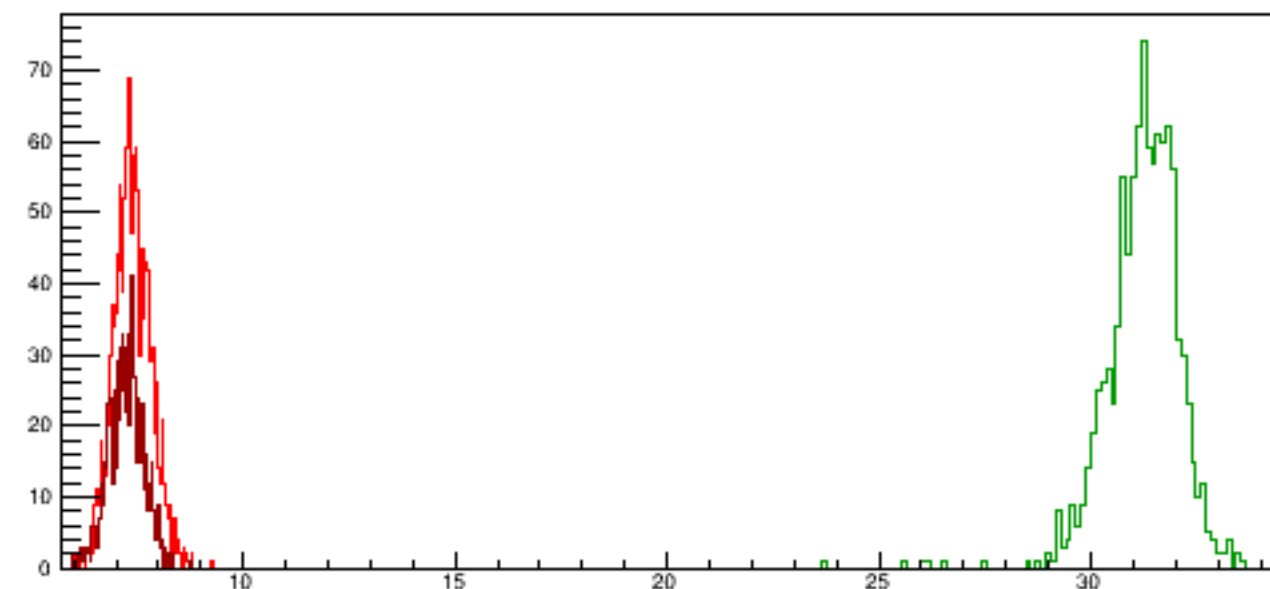
Std Dev: 0.8715 +/- 0.0194

Entries: 859

Mean: 7.2390 +/- 0.0142

Std Dev: 0.4171 +/- 0.0101

Run 6086 quartetwise, Sums



Cycle 24, Asyms

Entries: 1508

Mean: -0.0002 +/- 0.0004

Std Dev: 0.0164 +/- 0.0003

Entries: 1006

Mean: 0.0313 +/- 0.0007

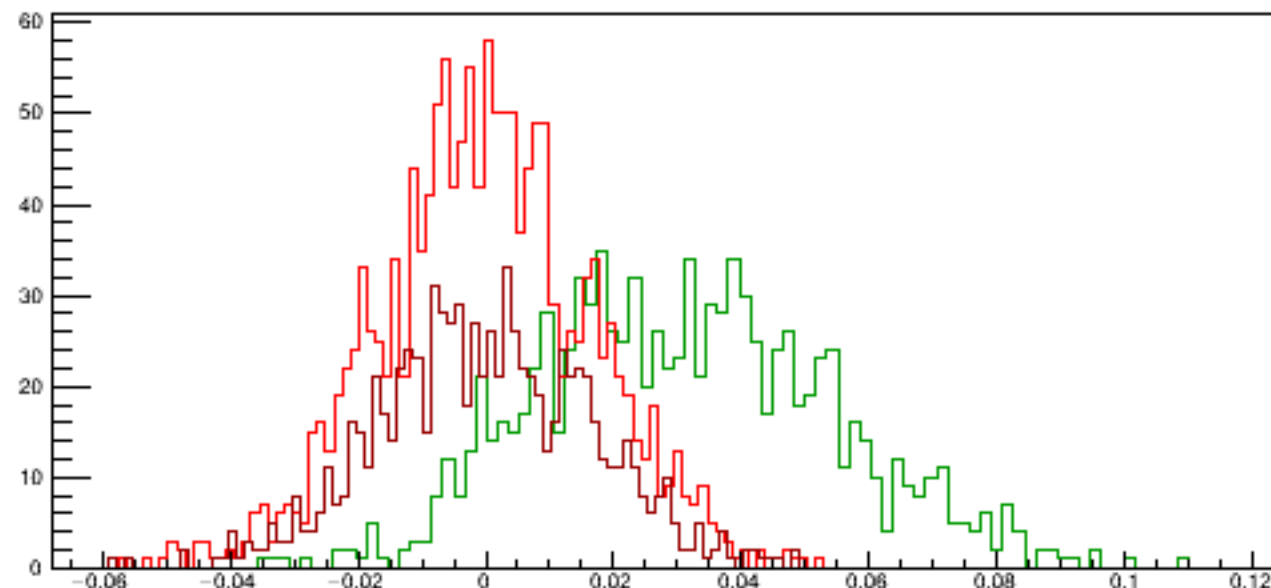
Std Dev: 0.0230 +/- 0.0005

Entries: 859

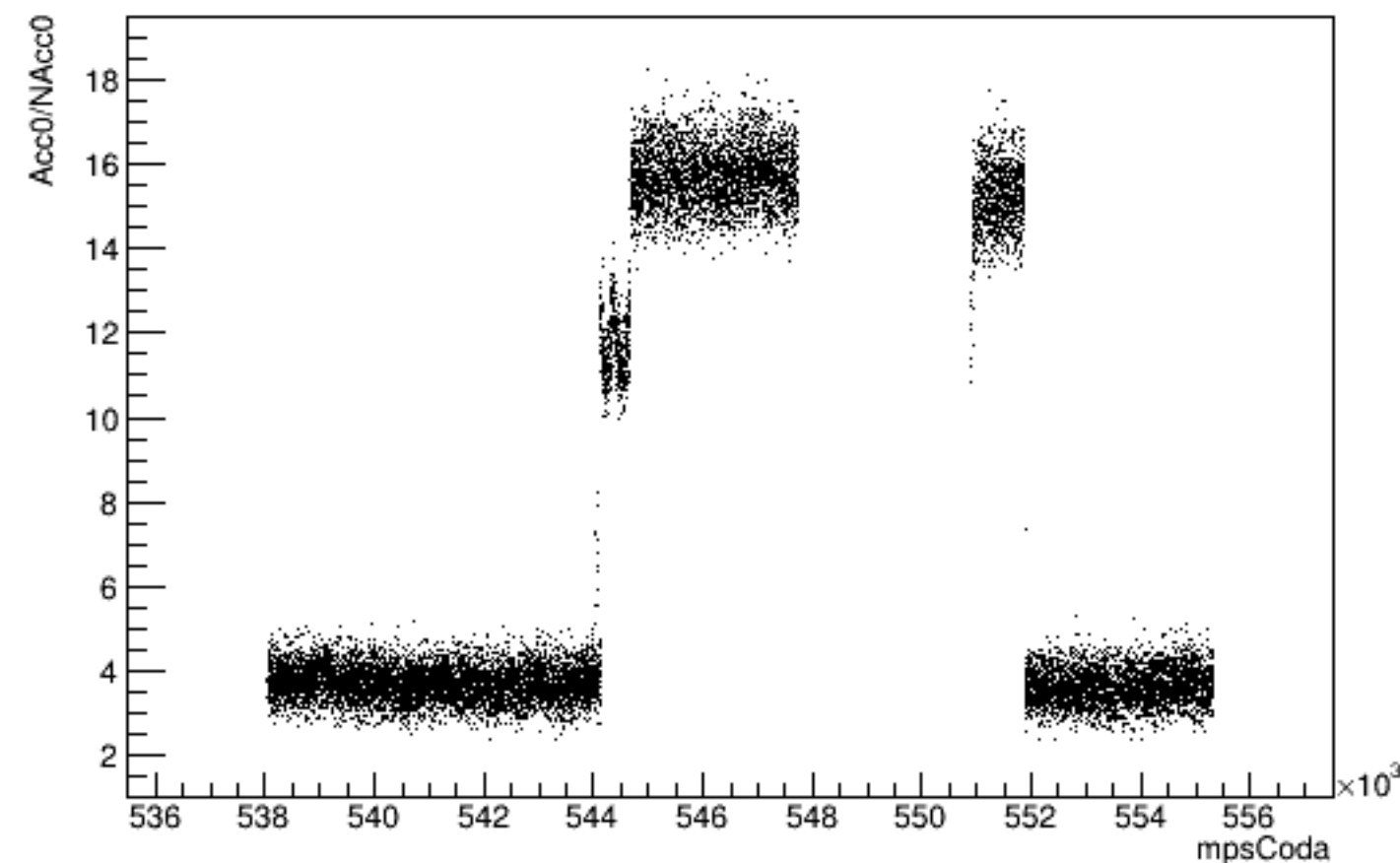
Mean: -0.0001 +/- 0.0006

Std Dev: 0.0167 +/- 0.0004

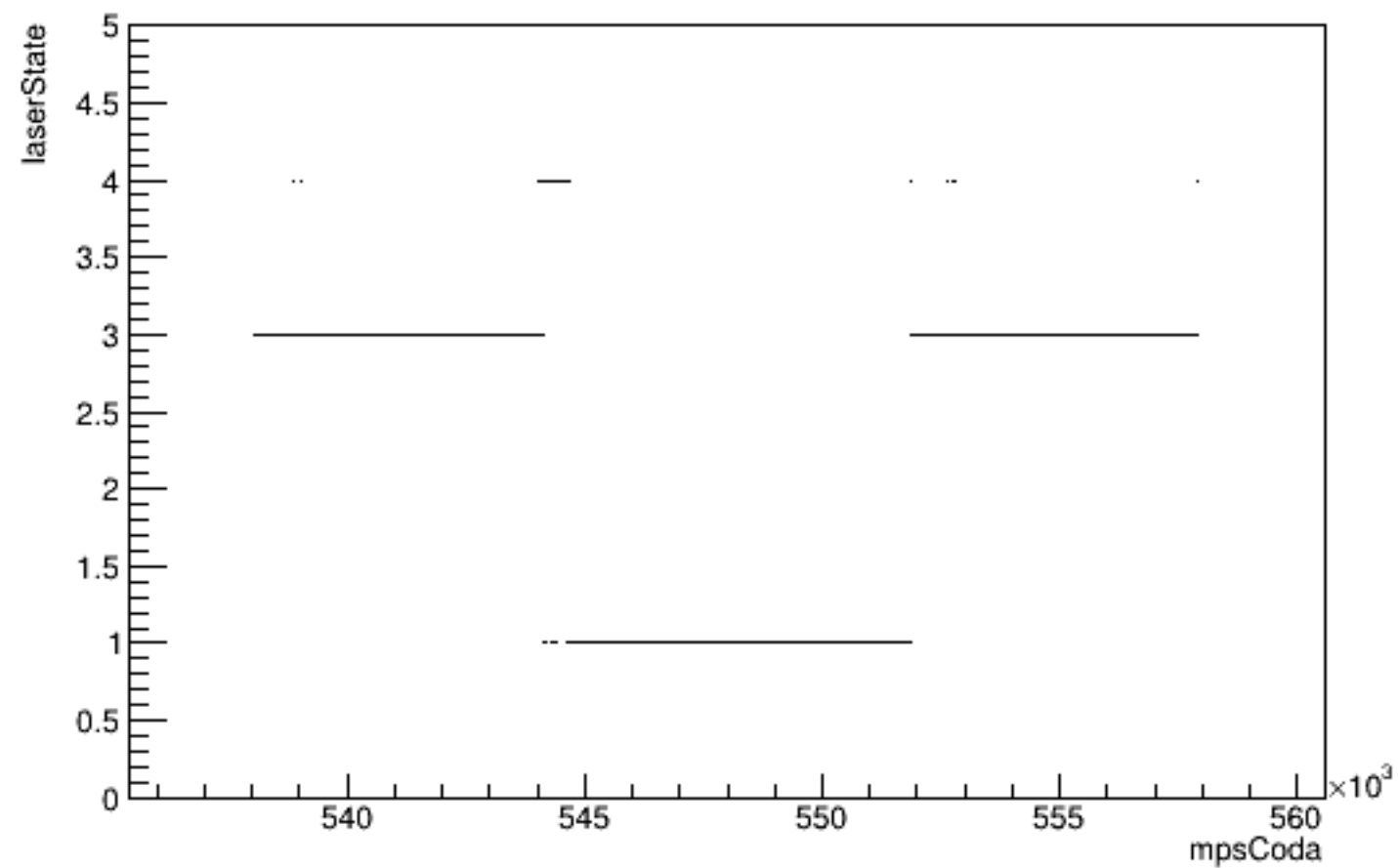
Run 6086 quartetwise, Asyms



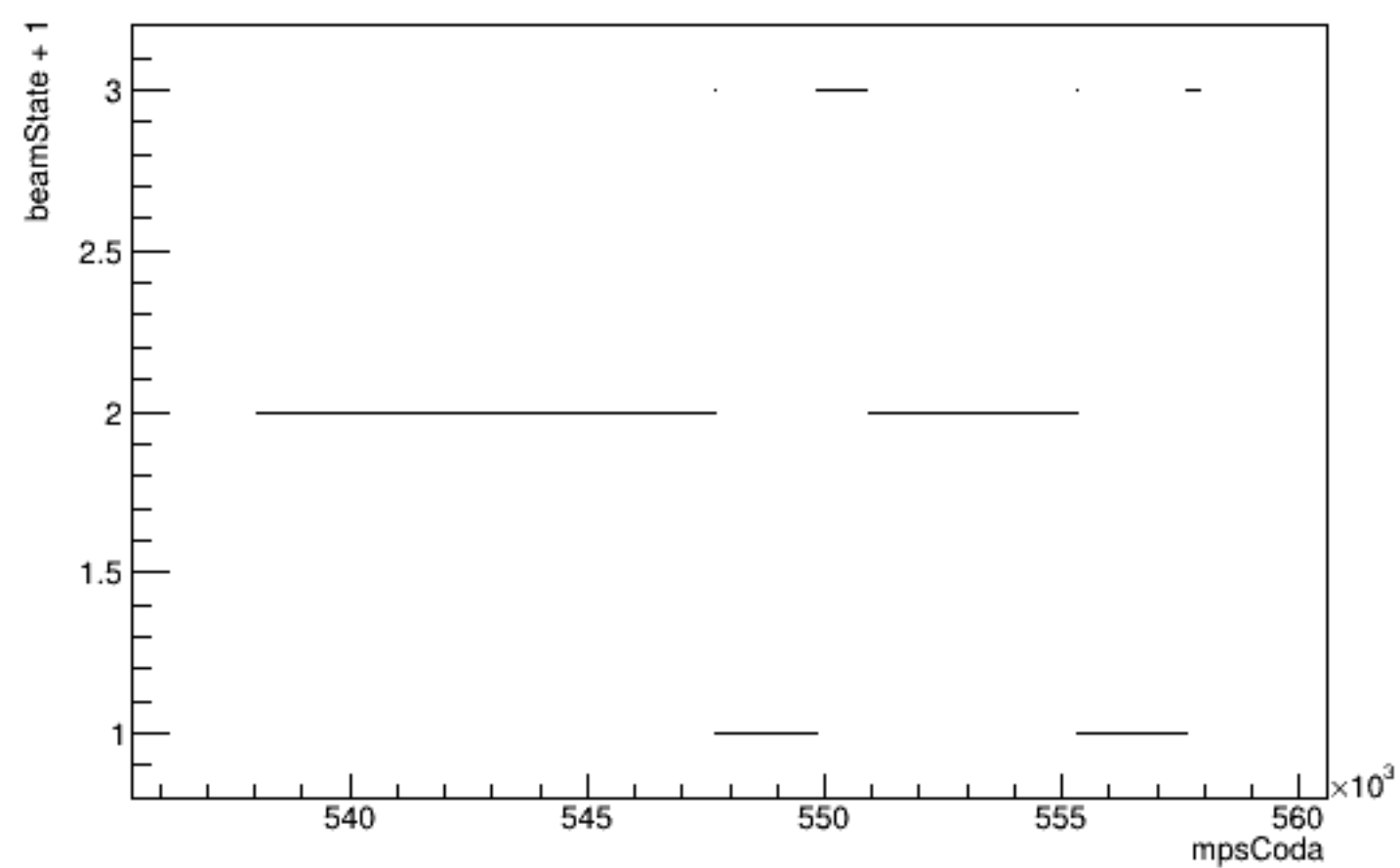
Acc0/NAcc0:mpsCoda (mpsCoda>=538046 && mpsCoda<=557905 && beamState==1)



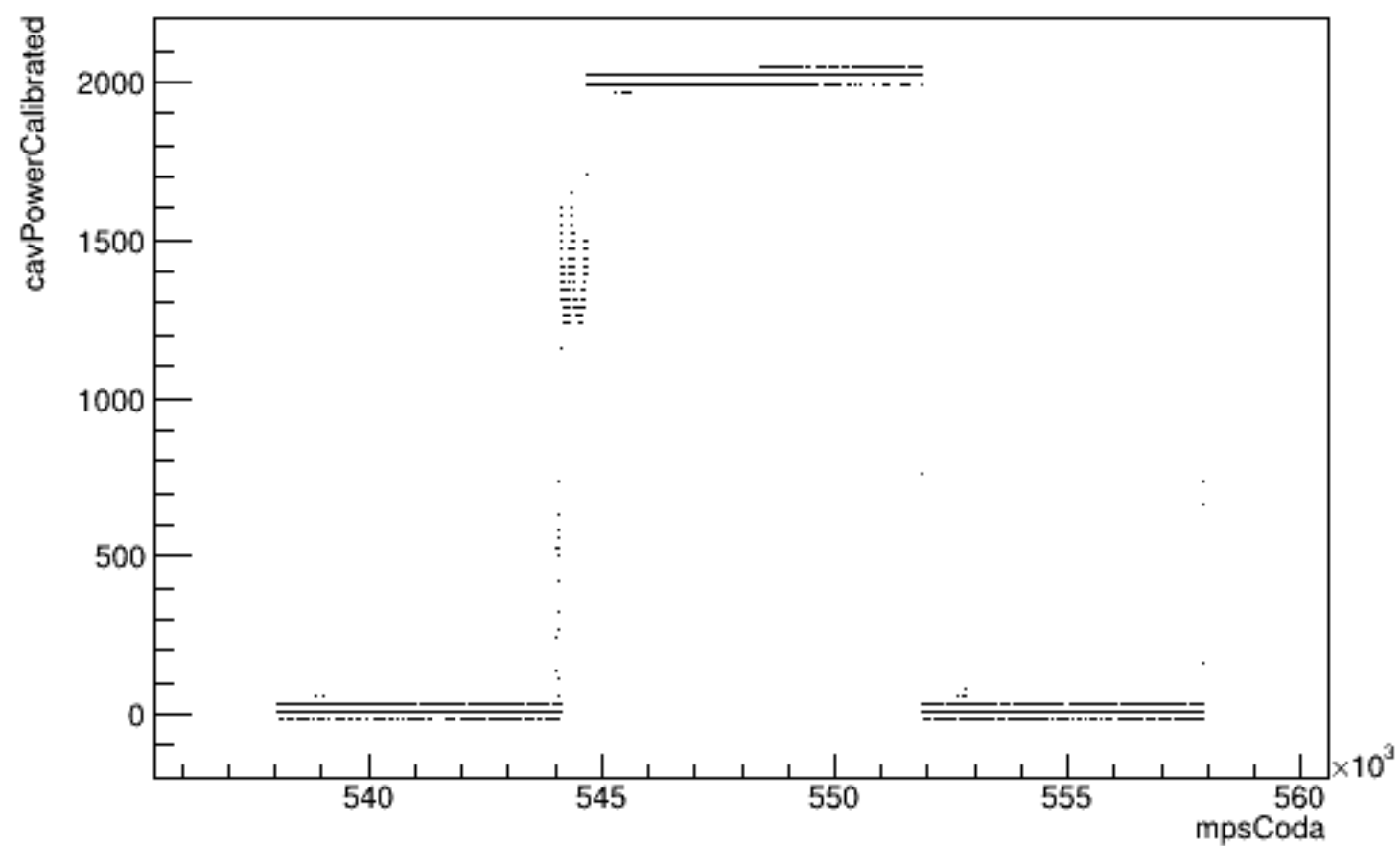
laserState:mpsCoda {mpsCoda>=538046 && mpsCoda<=557905}



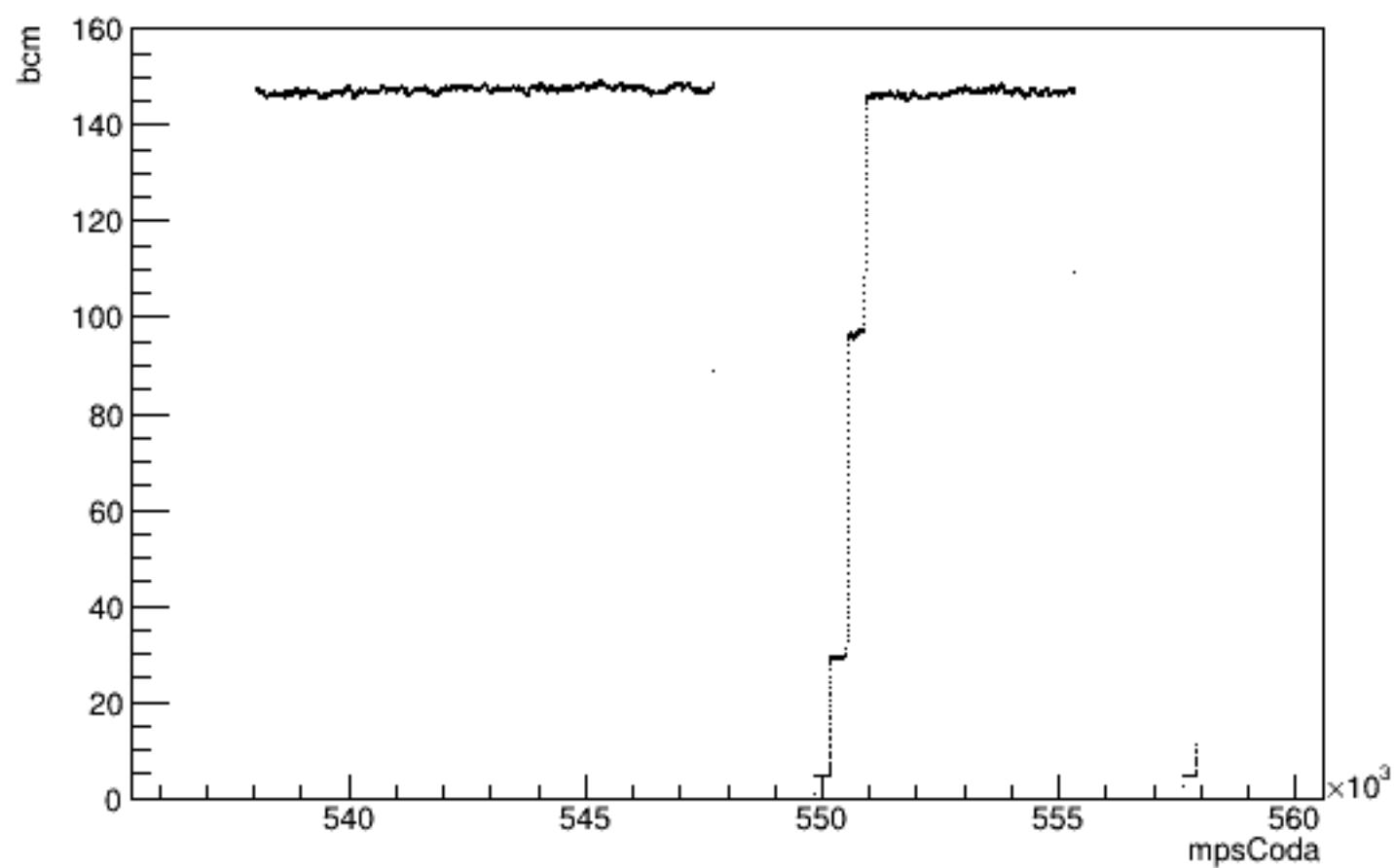
beamState + 1:mpsCoda {mpsCoda>=538046 && mpsCoda<=557905}



cavPowerCalibrated:mpsCoda {mpsCoda>=538046 && mpsCoda<=557905}



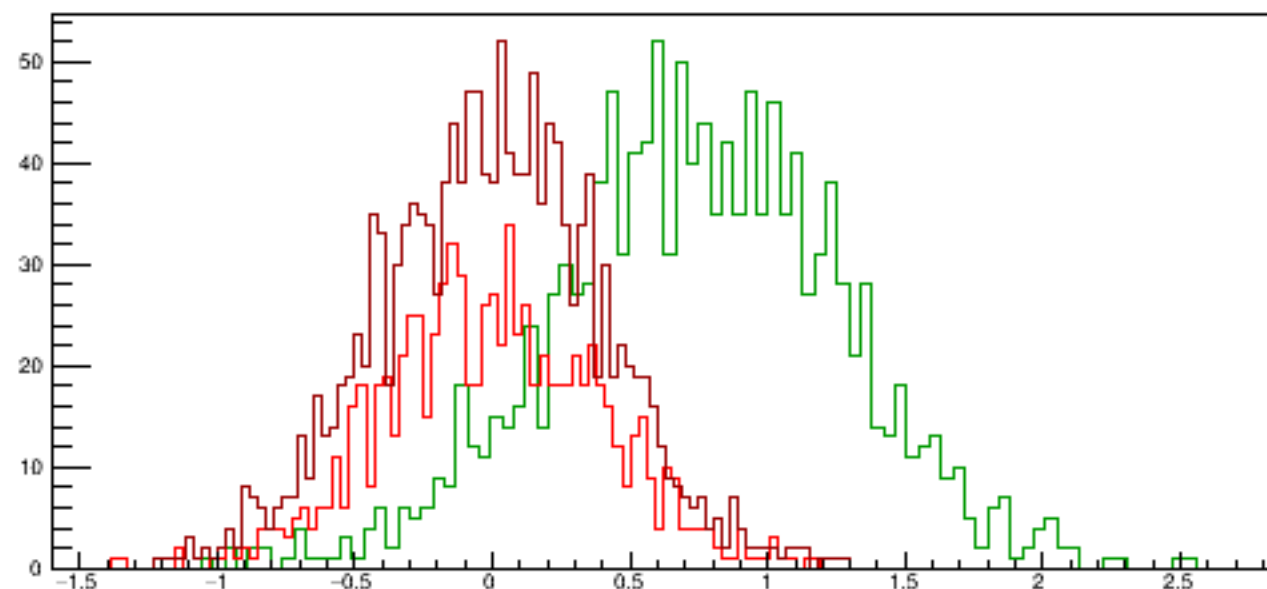
bcm:mpsCoda {mpsCoda>=538046 && mpsCoda<=557905}



Cycle 25, Diffs

Entries: 859	Entries: 1346	Entries: 1512
Mean: -0.0019 +/- 0.0136	Mean: 0.7477 +/- 0.0144	Mean: -0.0068 +/- 0.0104
Std Dev: 0.3993 +/- 0.0096	Std Dev: 0.5298 +/- 0.0102	Std Dev: 0.4045 +/- 0.0074

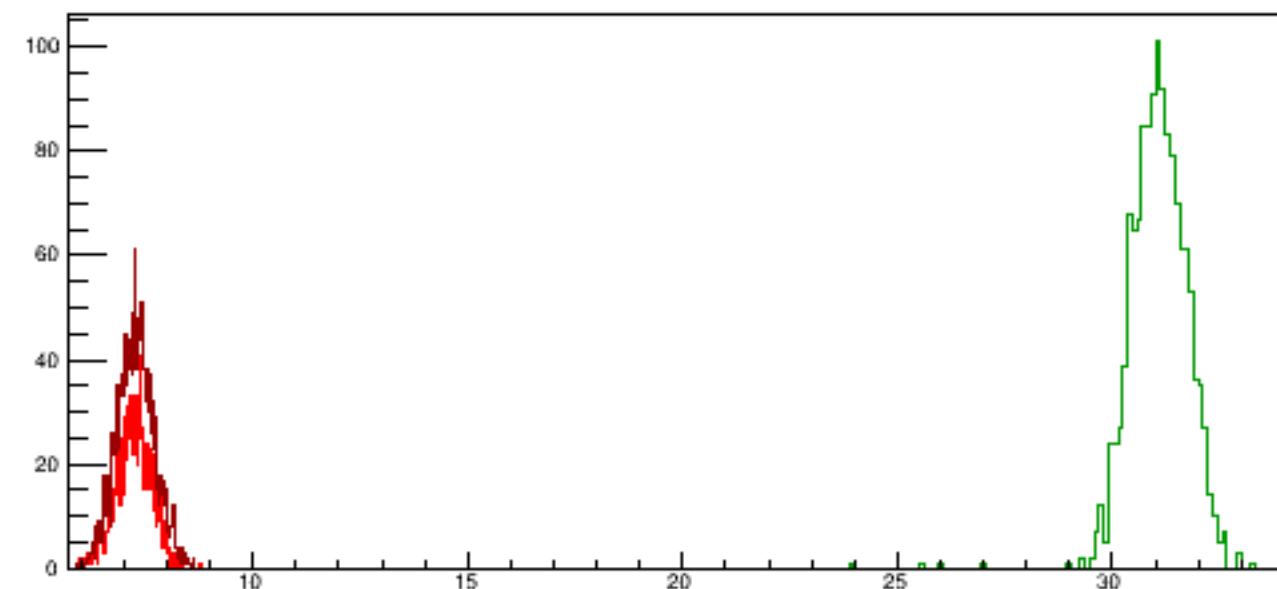
Run 6086 quartetwise, Diffs



Cycle 25, Sums

Entries: 859	Entries: 1346	Entries: 1512
Mean: 7.2390 +/- 0.0142	Mean: 31.0780 +/- 0.0187	Mean: 7.2732 +/- 0.0112
Std Dev: 0.4171 +/- 0.0101	Std Dev: 0.6848 +/- 0.0132	Std Dev: 0.4372 +/- 0.0079

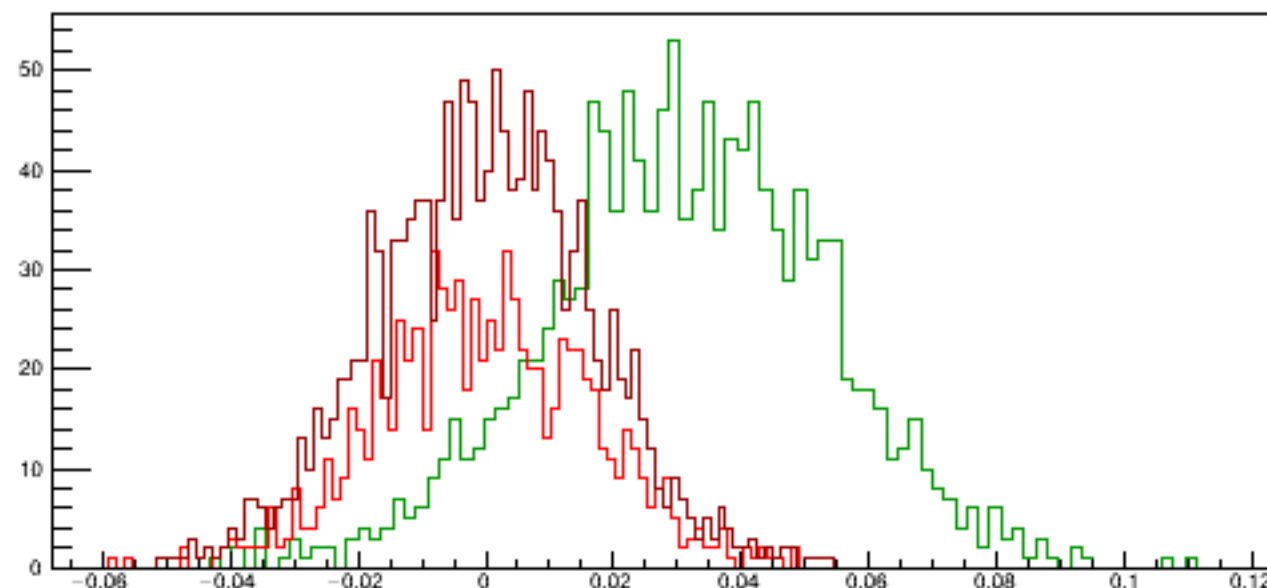
Run 6086 quartetwise, Sums



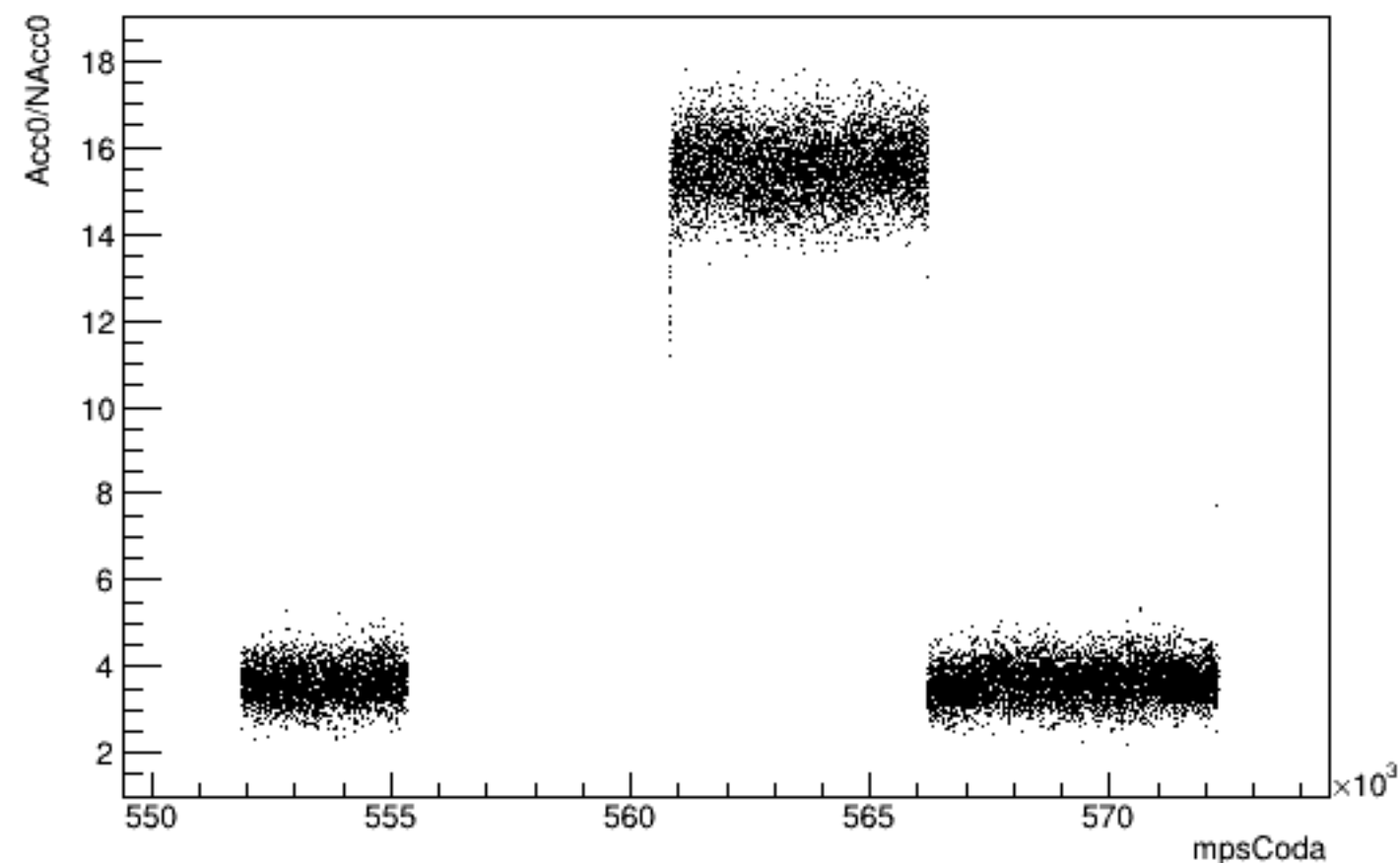
Cycle 25, Asyms

Entries: 859	Entries: 1346	Entries: 1512
Mean: -0.0001 +/- 0.0006	Mean: 0.0314 +/- 0.0006	Mean: -0.0003 +/- 0.0004
Std Dev: 0.0168 +/- 0.0004	Std Dev: 0.0222 +/- 0.0004	Std Dev: 0.0170 +/- 0.0003

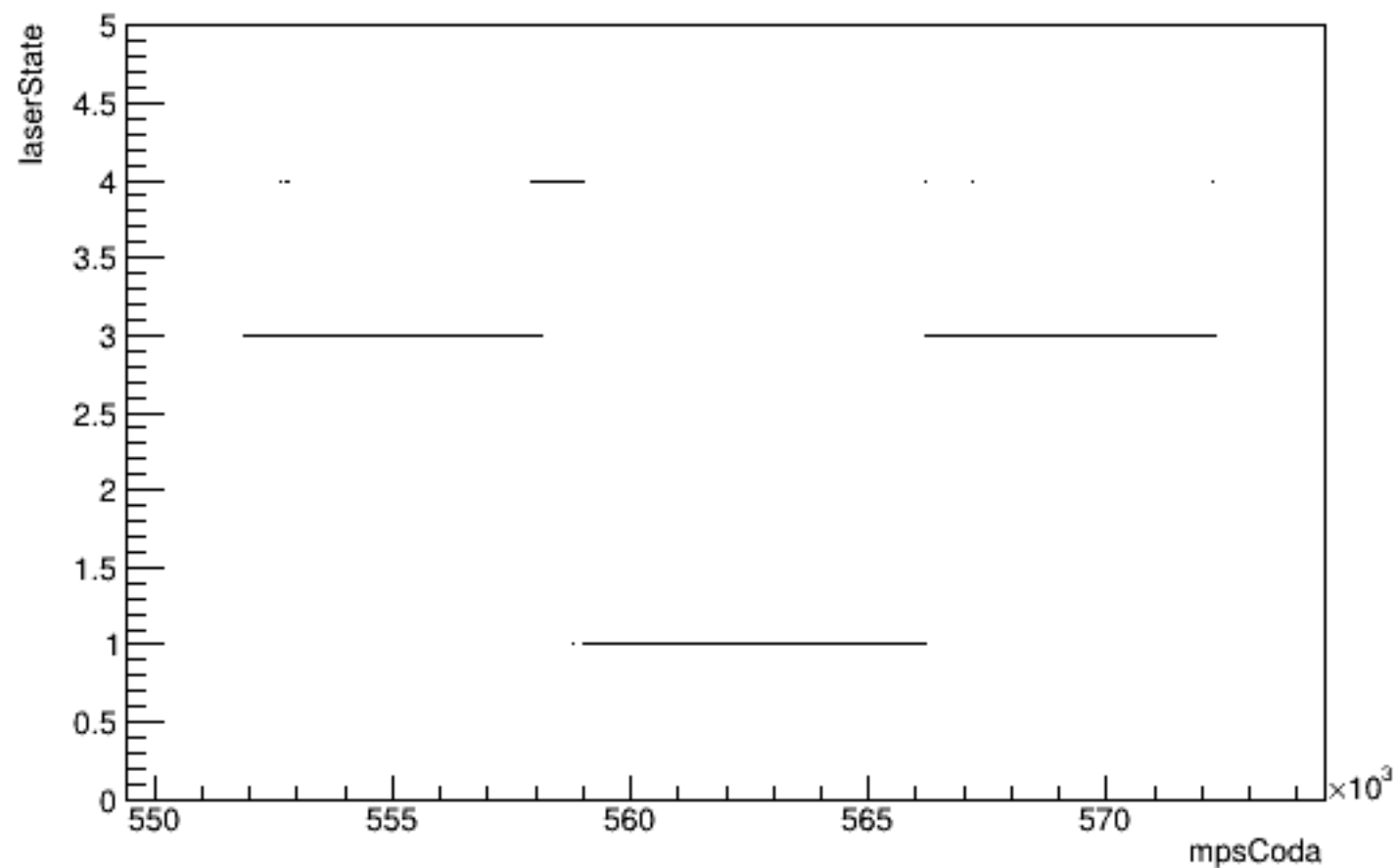
Run 6086 quartetwise, Asyms



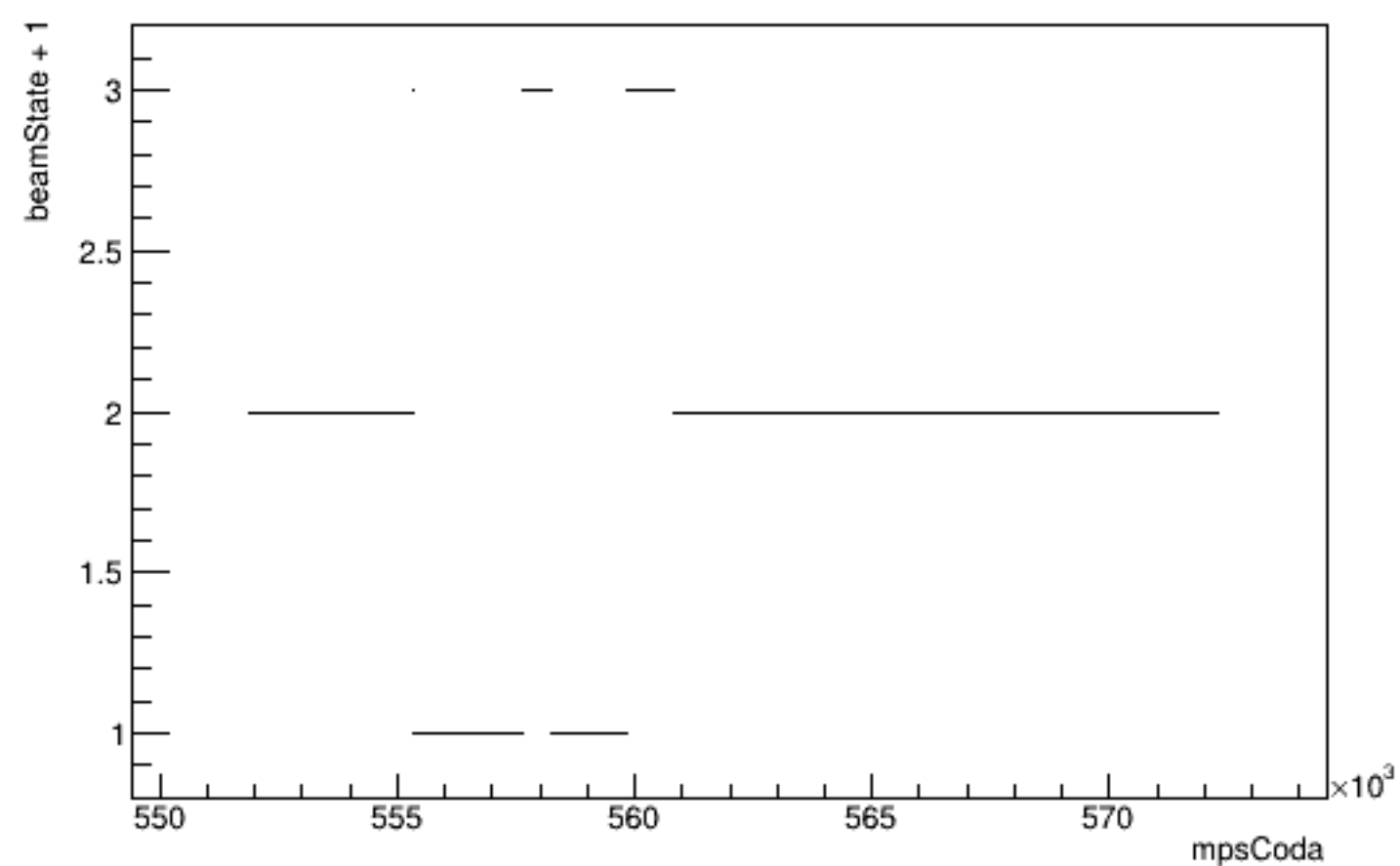
Acc0/NAcc0:mpsCoda (mpsCoda>=551882 && mpsCoda<=572265 && beamState==1)



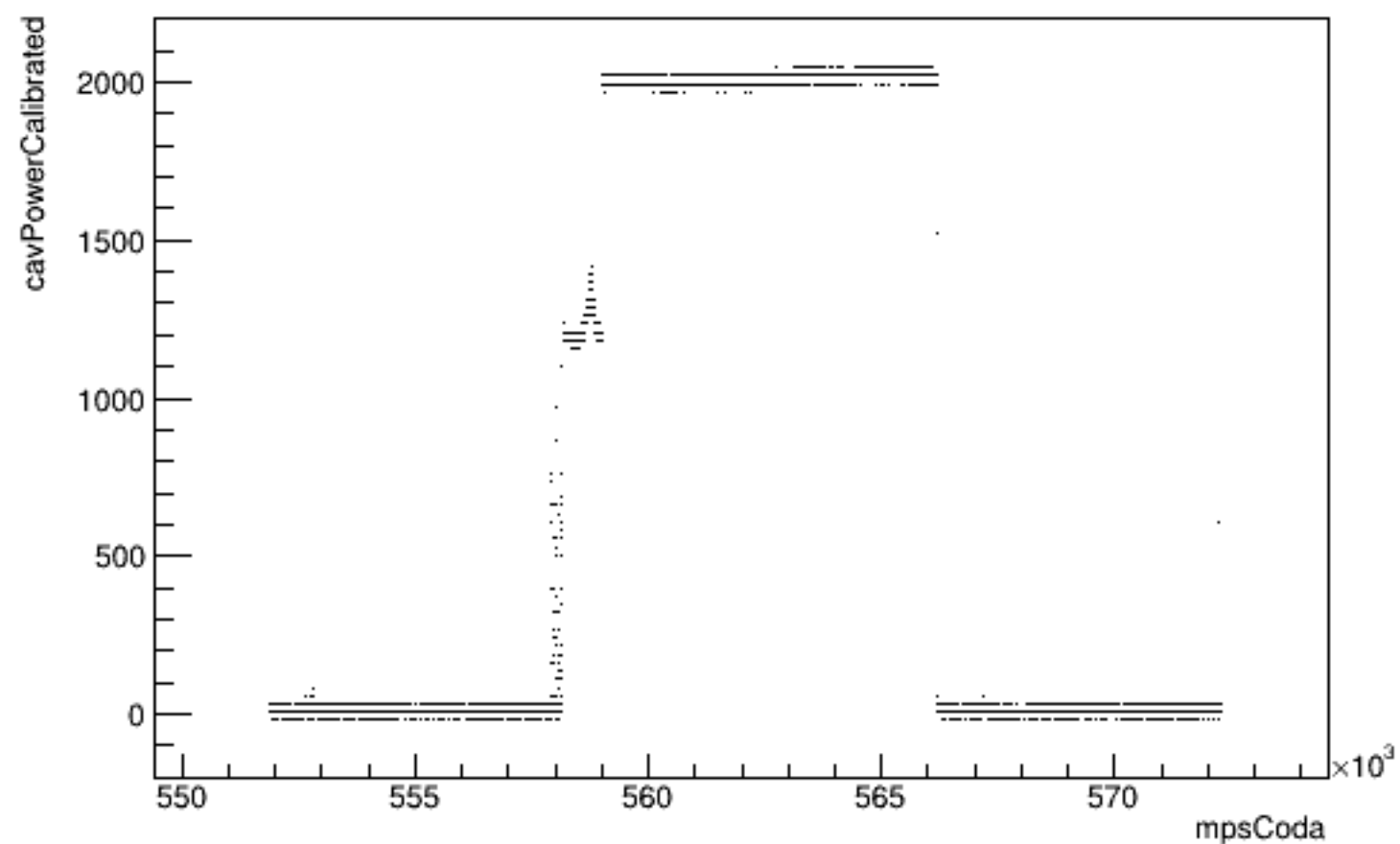
laserState:mpsCoda {mpsCoda>=551882 && mpsCoda<=572265}



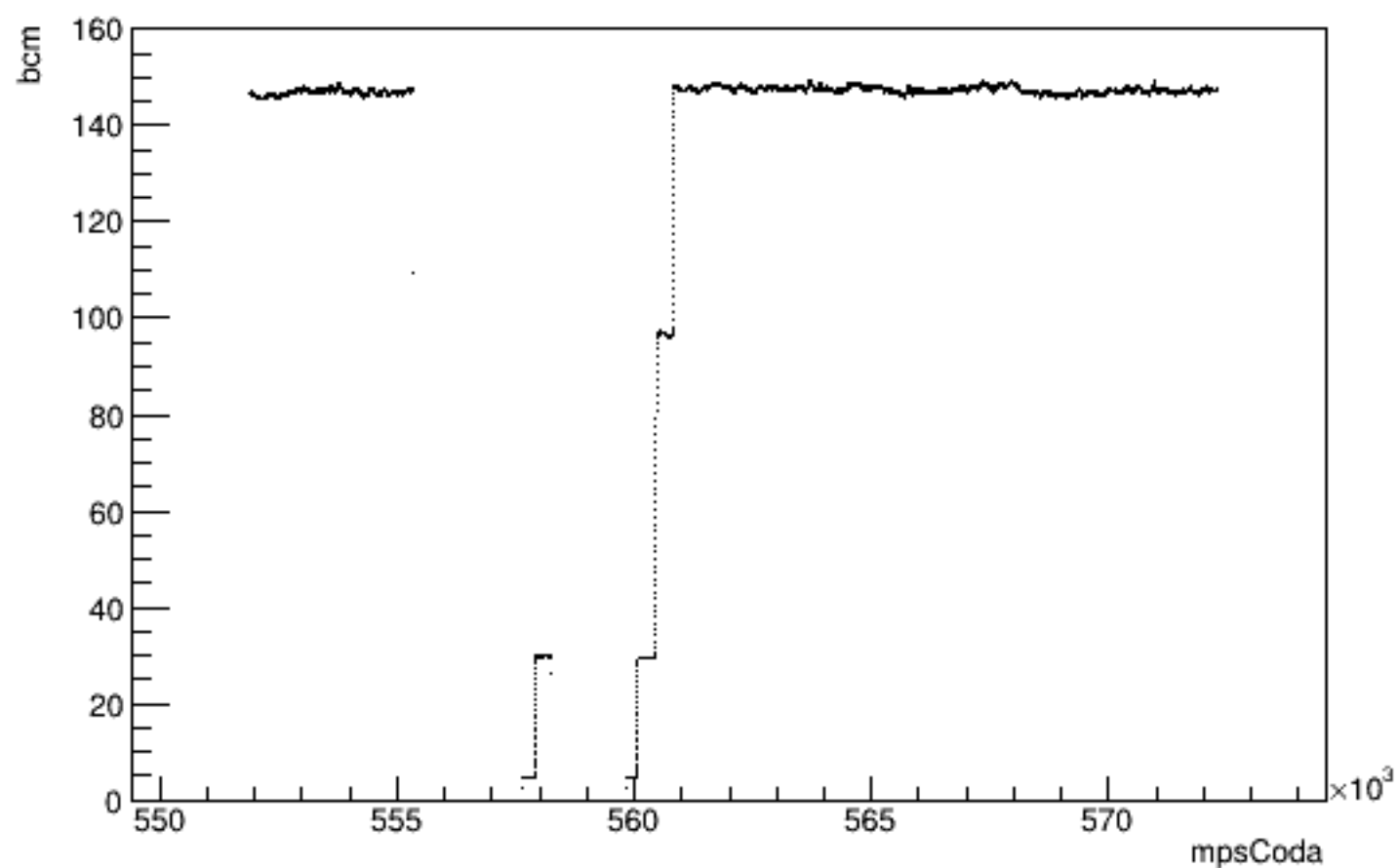
beamState + 1:mpsCoda {mpsCoda>=551882 && mpsCoda<=572265}



cavPowerCalibrated:mpsCoda {mpsCoda>=551882 && mpsCoda<=572265}



bcm:mpsCoda {mpsCoda>=551882 && mpsCoda<=572265}



Cycle 26, Diffs

Entries: 1512

Mean: -0.0068 +/- 0.0104

Std Dev: 0.4045 +/- 0.0074

Entries: 1801

Mean: 0.7617 +/- 0.0124

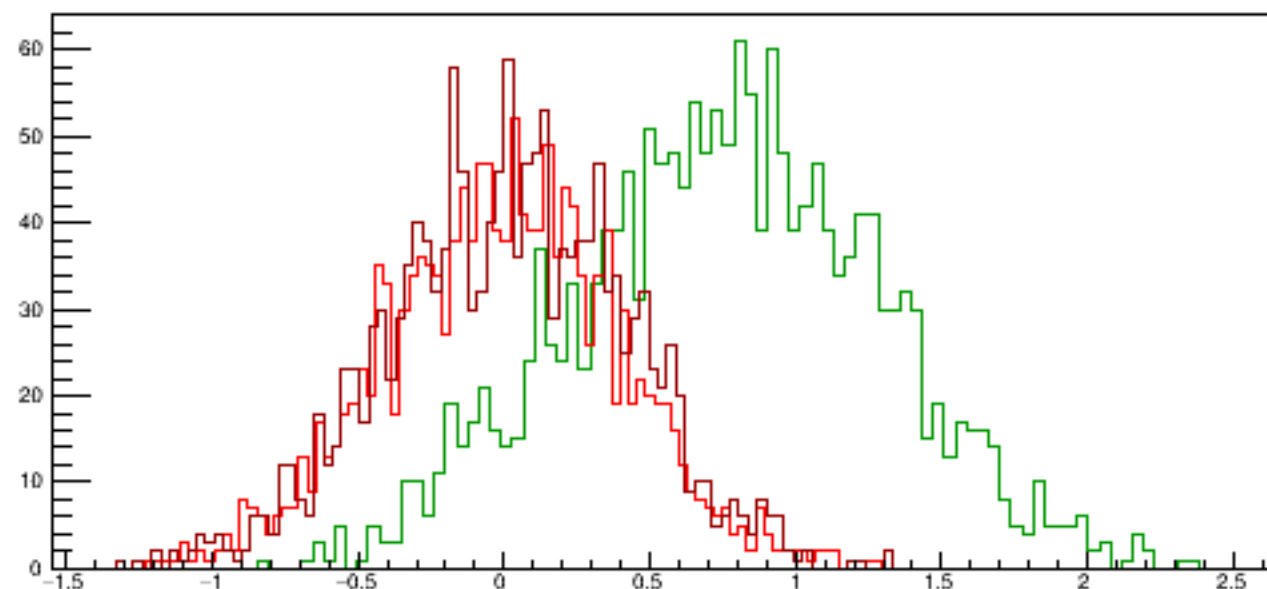
Std Dev: 0.5274 +/- 0.0088

Entries: 1526

Mean: 0.0116 +/- 0.0105

Std Dev: 0.4099 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 26, Sums

Entries: 1512

Mean: 7.2732 +/- 0.0112

Std Dev: 0.4372 +/- 0.0079

Entries: 1801

Mean: 31.5329 +/- 0.0141

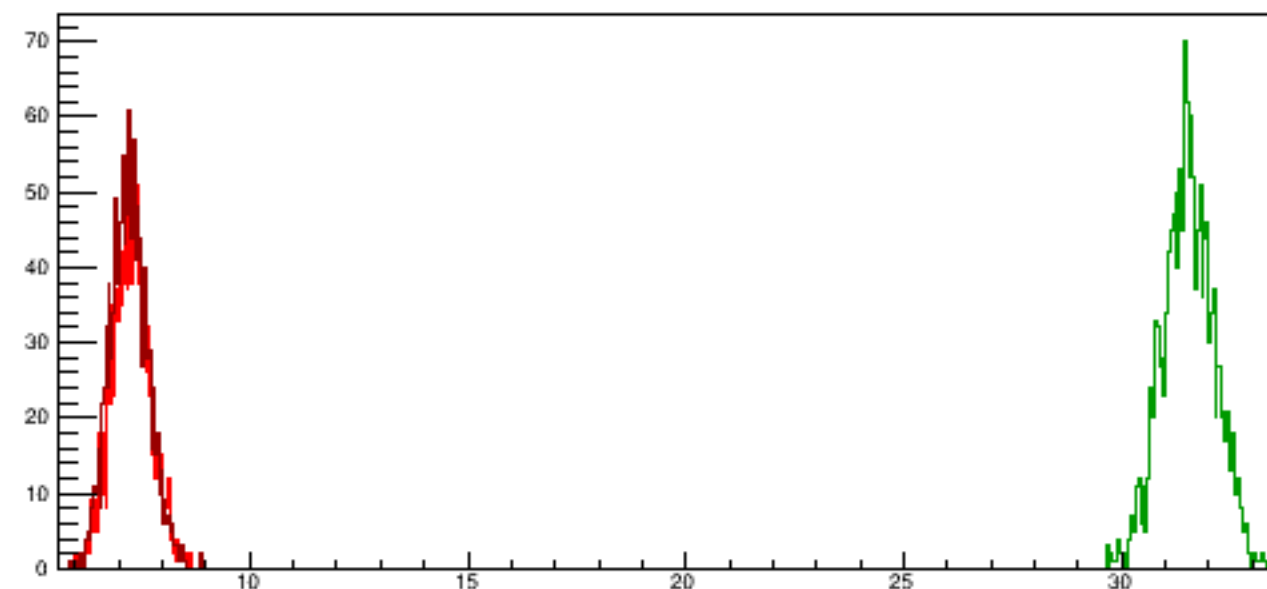
Std Dev: 0.6001 +/- 0.0100

Entries: 1526

Mean: 7.2354 +/- 0.0110

Std Dev: 0.4281 +/- 0.0077

Run 6086 quartetwise, Sums



Cycle 26, Asyms

Entries: 1512

Mean: -0.0003 +/- 0.0004

Std Dev: 0.0167 +/- 0.0003

Entries: 1801

Mean: 0.0314 +/- 0.0005

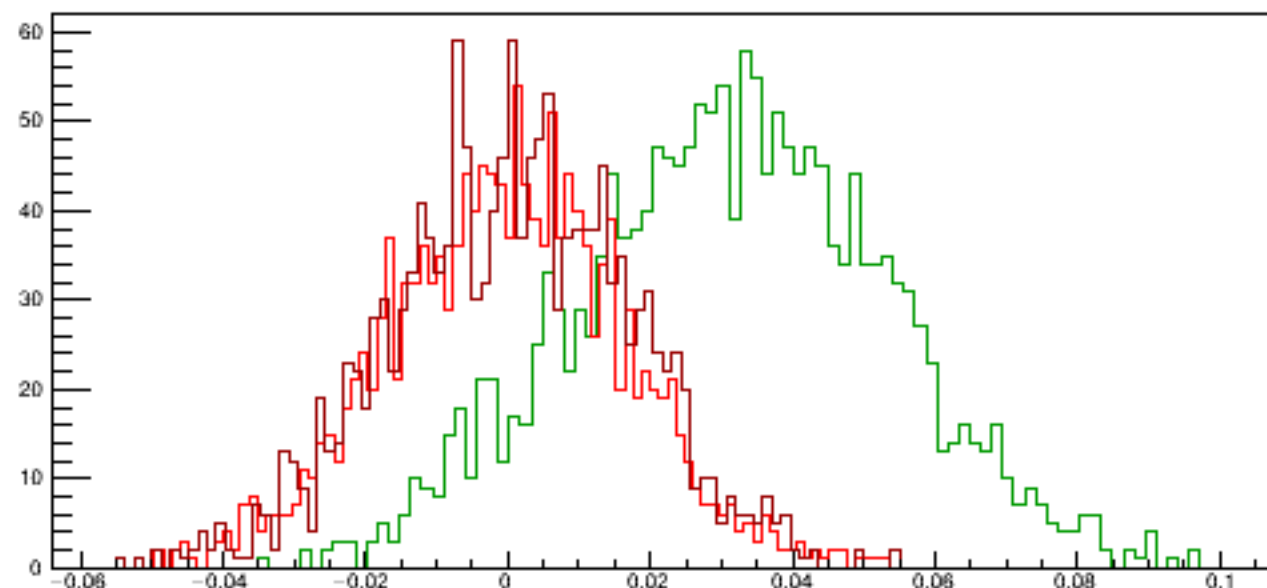
Std Dev: 0.0217 +/- 0.0004

Entries: 1526

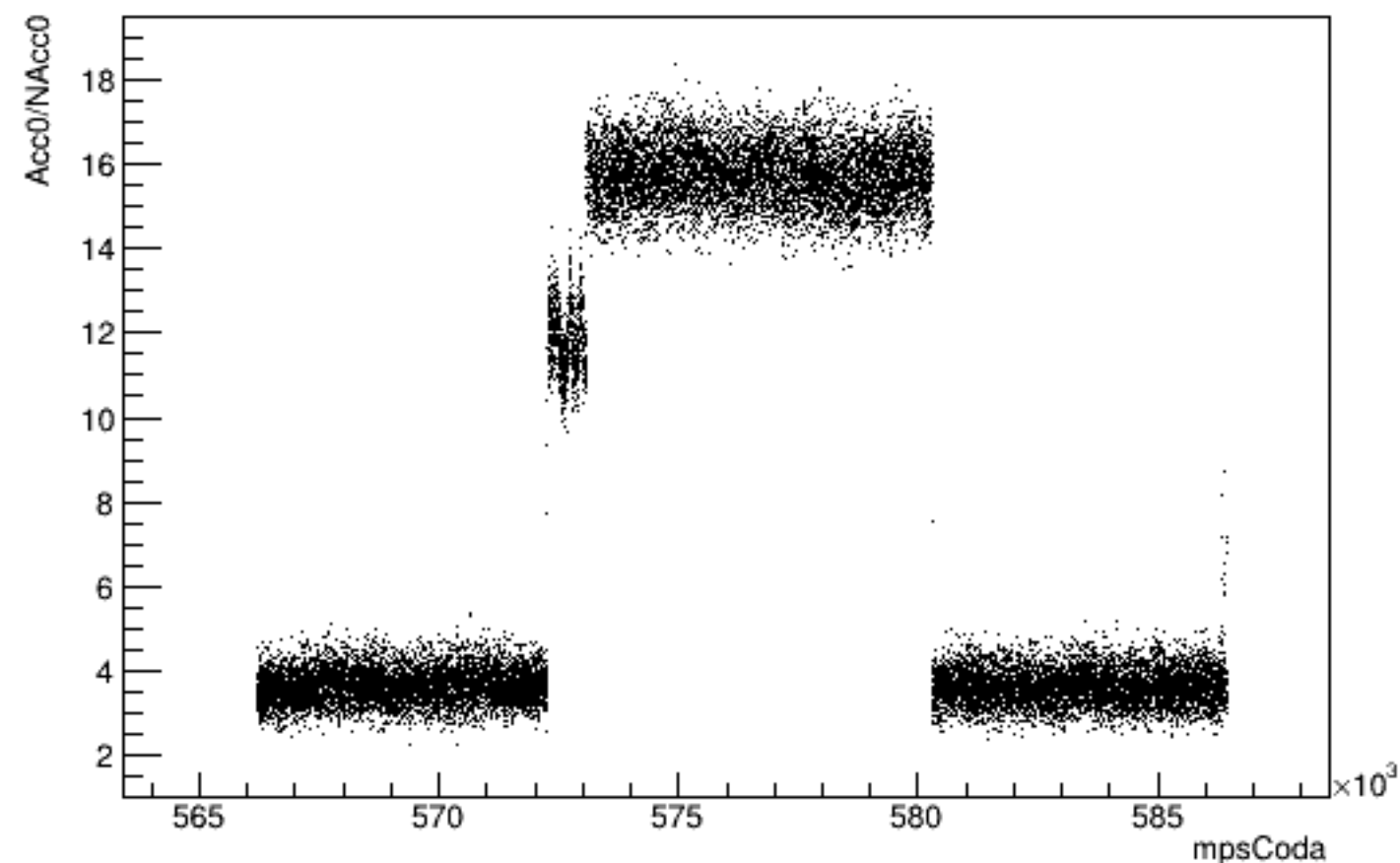
Mean: 0.0005 +/- 0.0004

Std Dev: 0.0169 +/- 0.0003

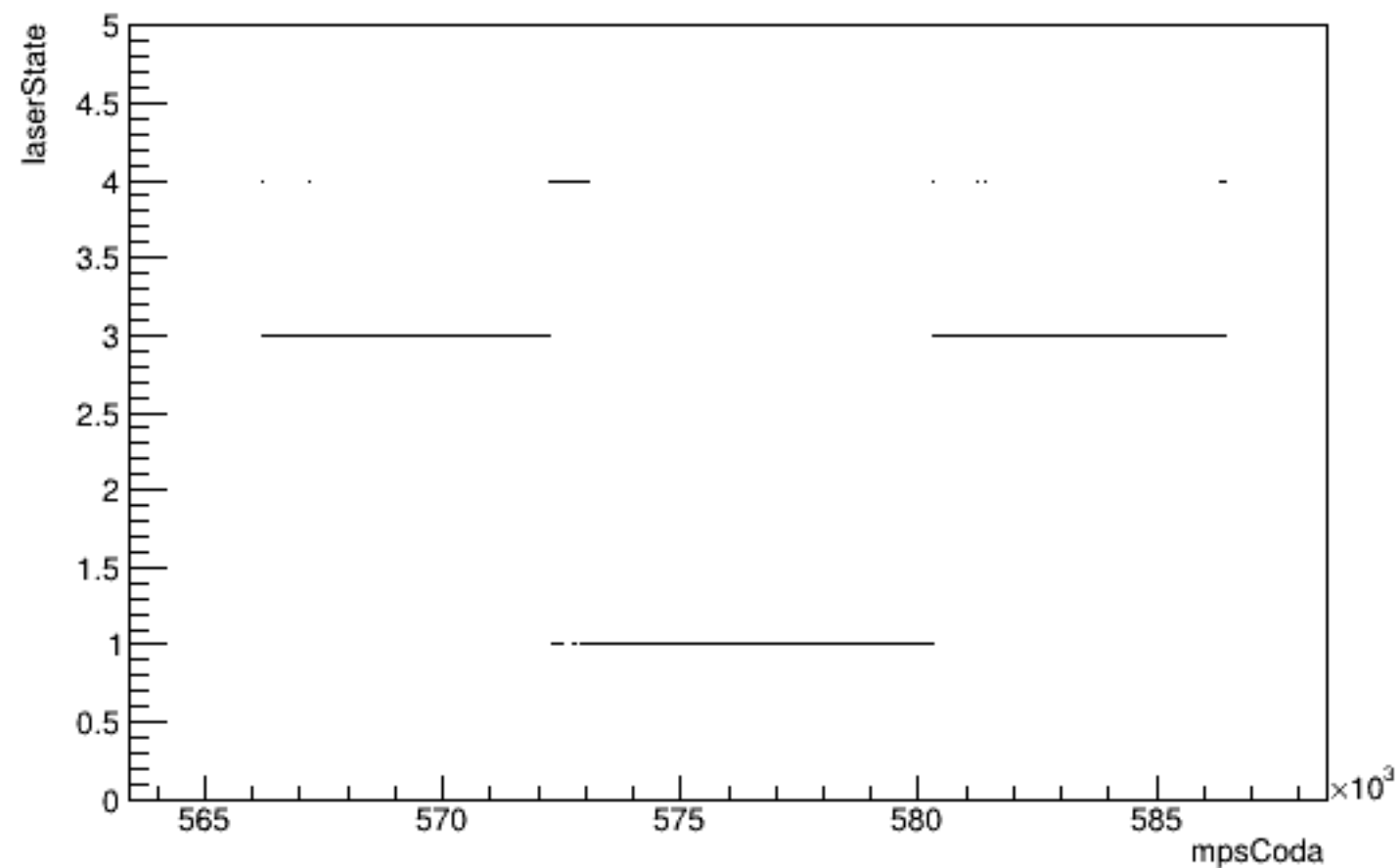
Run 6086 quartetwise, Asyms



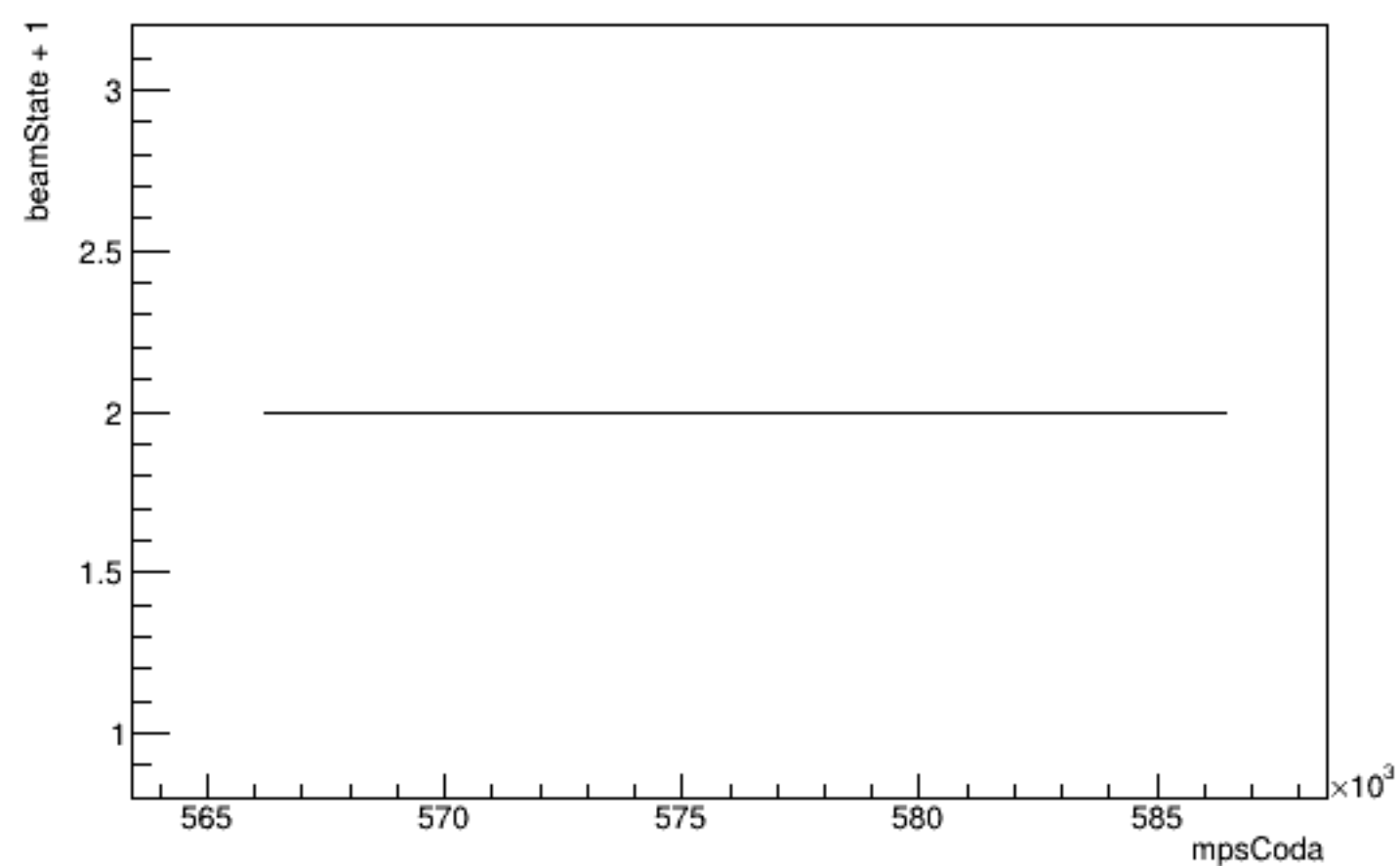
Acc0/NAcc0:mpsCoda (mpsCoda>=566206 && mpsCoda<=586445 && beamState==1)



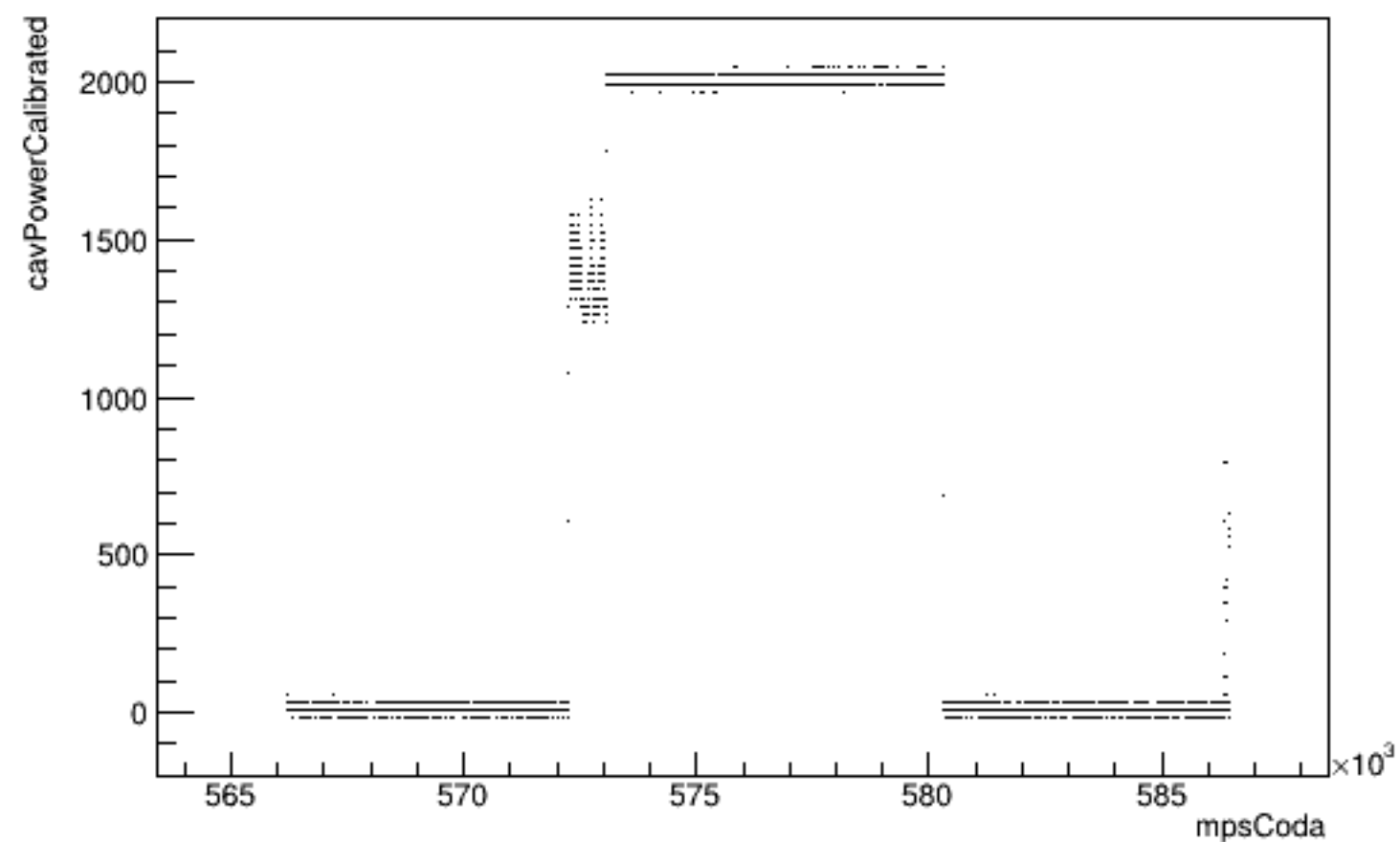
laserState:mpsCoda {mpsCoda>=566206 && mpsCoda<=586445}



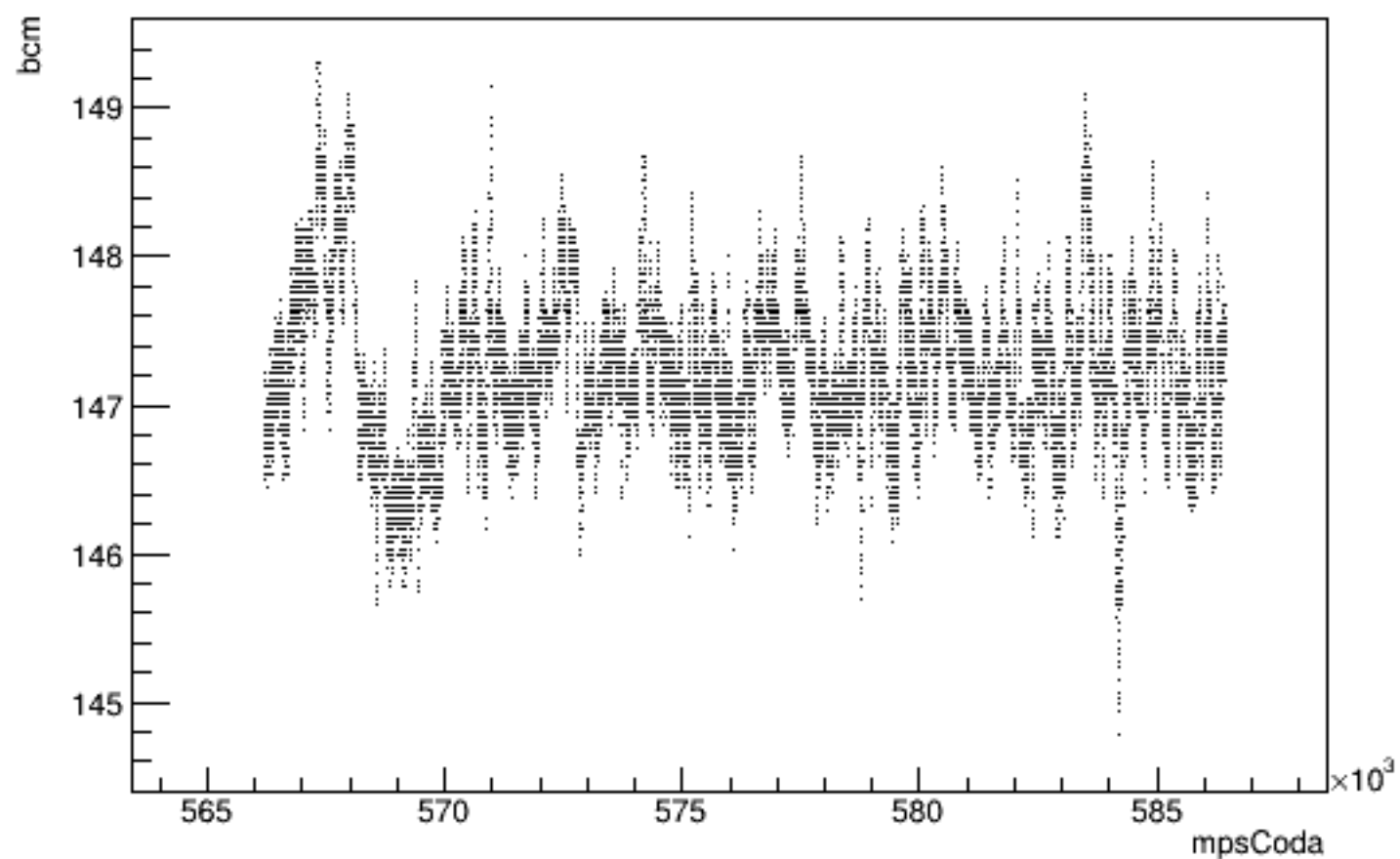
beamState + 1:mpsCoda {mpsCoda>=566206 && mpsCoda<=586445}



cavPowerCalibrated:mpsCoda {mpsCoda>=566206 && mpsCoda<=586445}



bcm:mpsCoda {mpsCoda>=566206 && mpsCoda<=586445}



Cycle 27, Diffs

Entries: 1526

Mean: 0.0116 +/- 0.0105

Std Dev: 0.4099 +/- 0.0074

Entries: 1070

Mean: 0.7416 +/- 0.0158

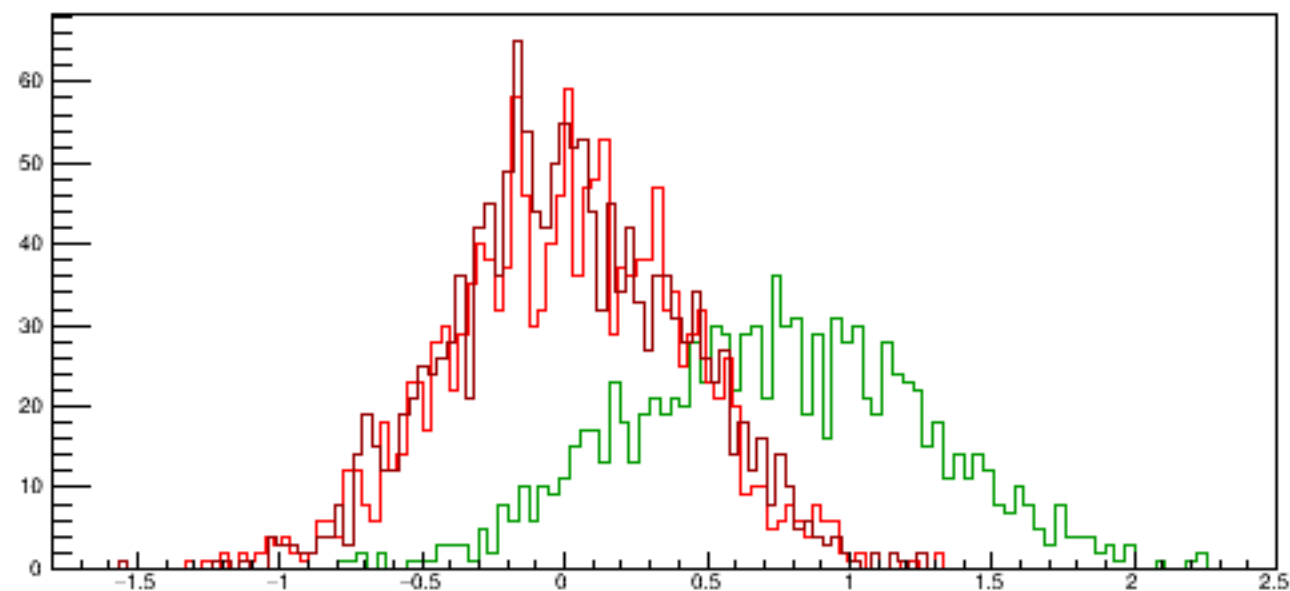
Std Dev: 0.5178 +/- 0.0112

Entries: 1518

Mean: 0.0080 +/- 0.0104

Std Dev: 0.4044 +/- 0.0073

Run 6086 quartetwise, Diffs



Cycle 27, Sums

Entries: 1526

Mean: 7.2354 +/- 0.0110

Std Dev: 0.4281 +/- 0.0077

Entries: 1070

Mean: 31.0338 +/- 0.0226

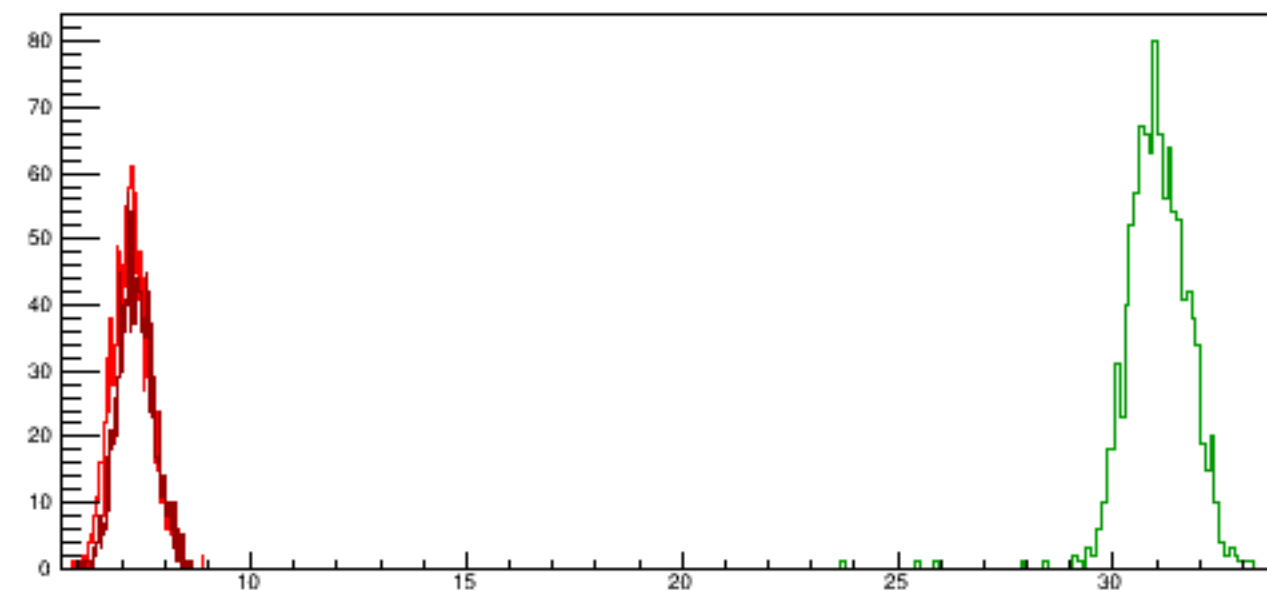
Std Dev: 0.7399 +/- 0.0160

Entries: 1518

Mean: 7.3497 +/- 0.0105

Std Dev: 0.4110 +/- 0.0075

Run 6086 quartetwise, Sums



Cycle 27, Asyms

Entries: 1526

Mean: 0.0005 +/- 0.0004

Std Dev: 0.0173 +/- 0.0003

Entries: 1070

Mean: 0.0313 +/- 0.0007

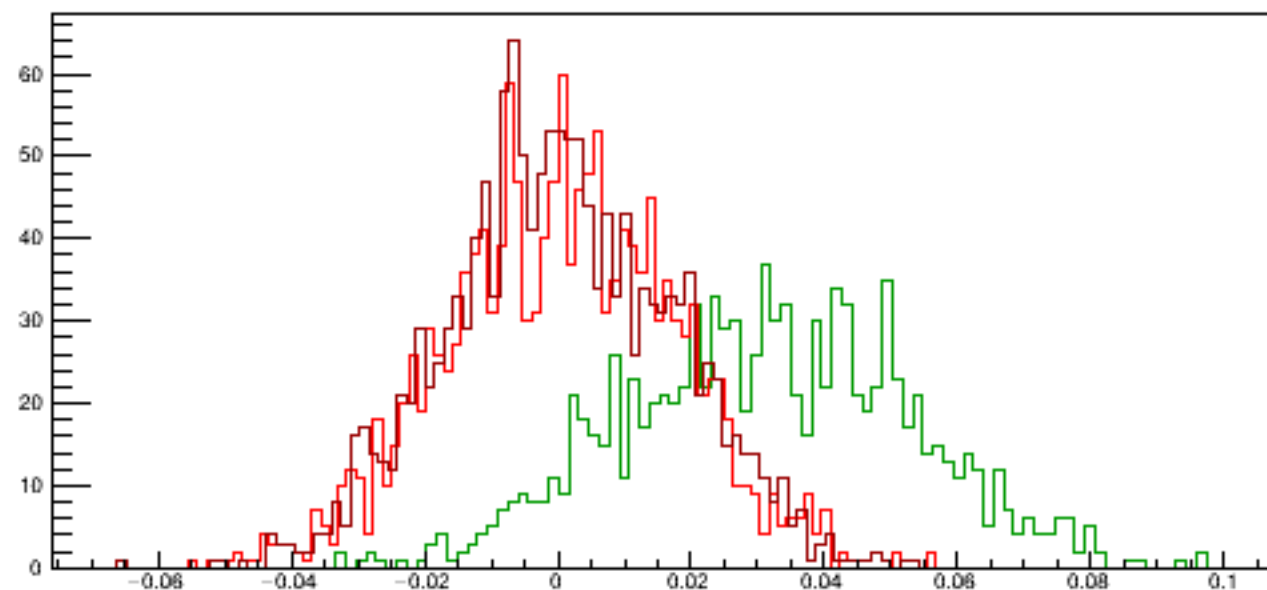
Std Dev: 0.0218 +/- 0.0005

Entries: 1518

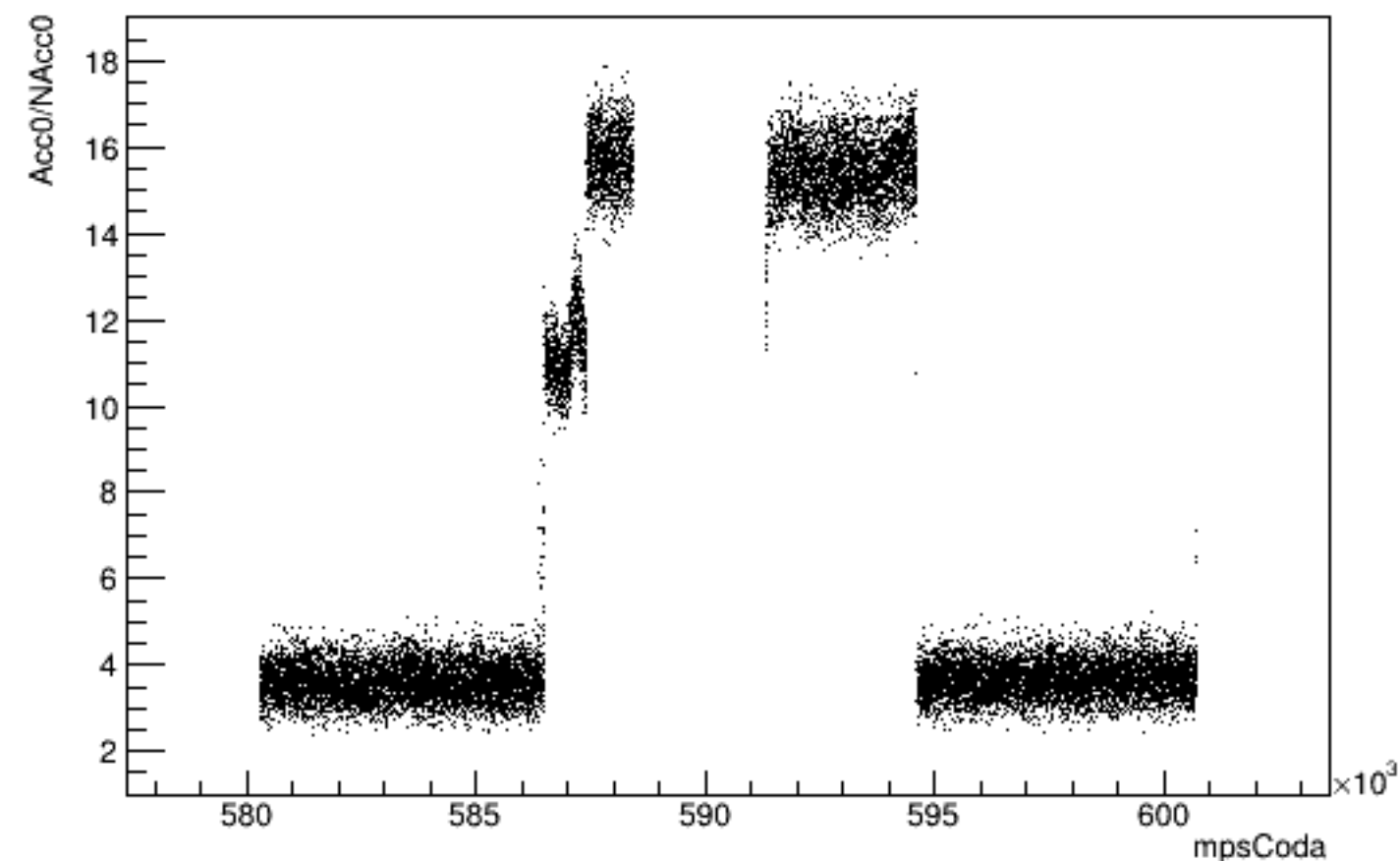
Mean: 0.0003 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

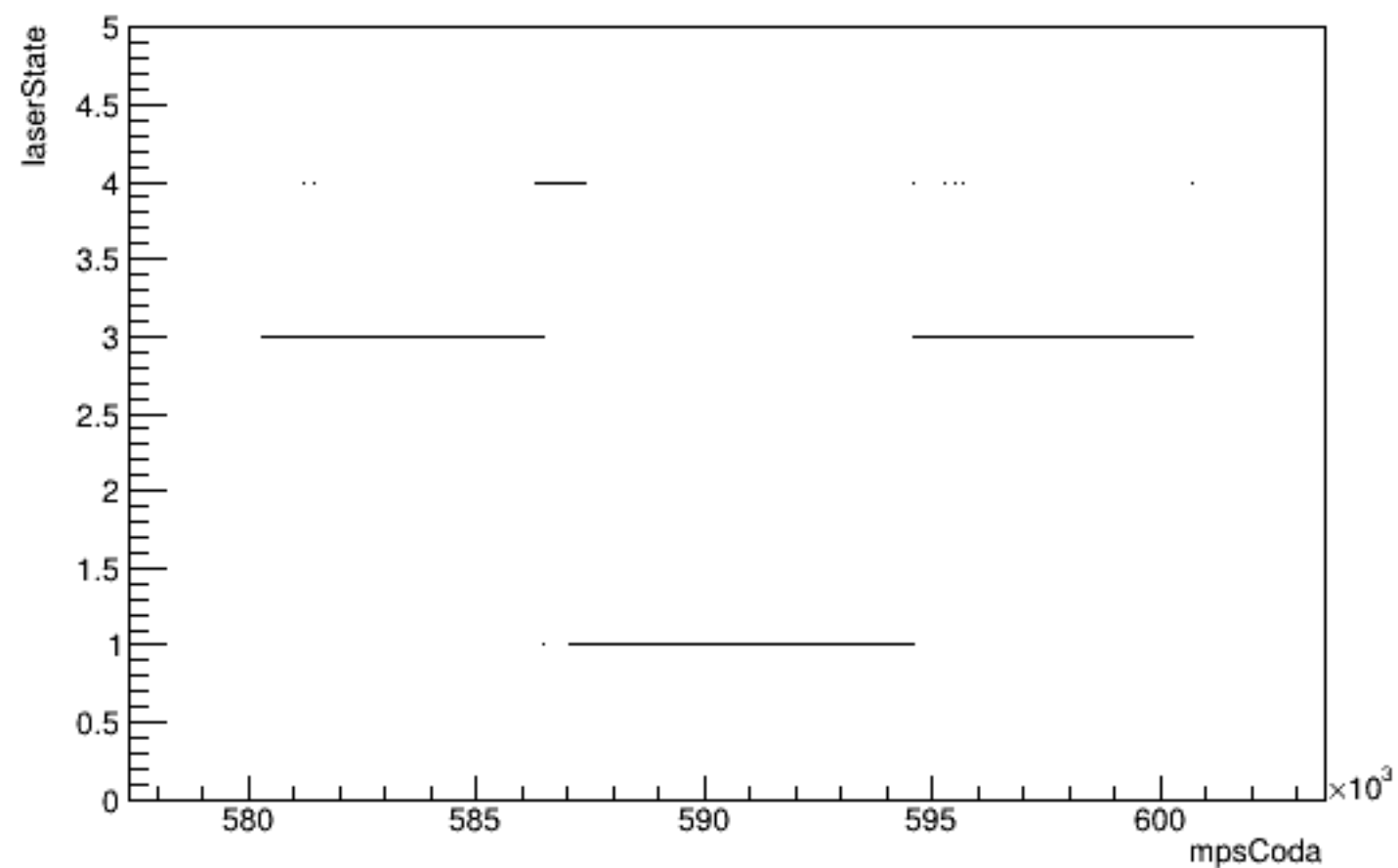
Run 6086 quartetwise, Asyms



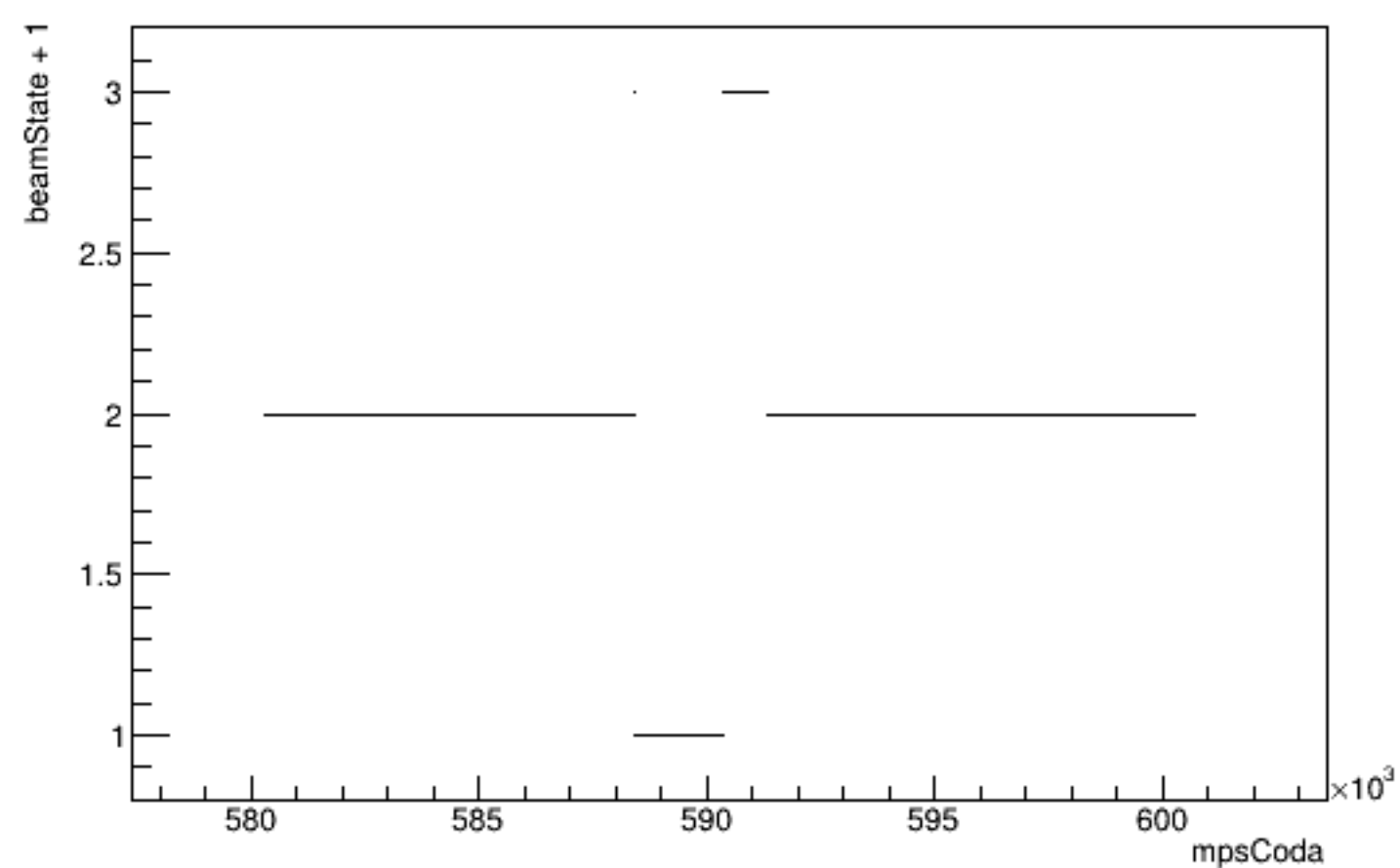
Acc0/NAcc0:mpsCoda (mpsCoda>=580290 && mpsCoda<=600721 && beamState==1)



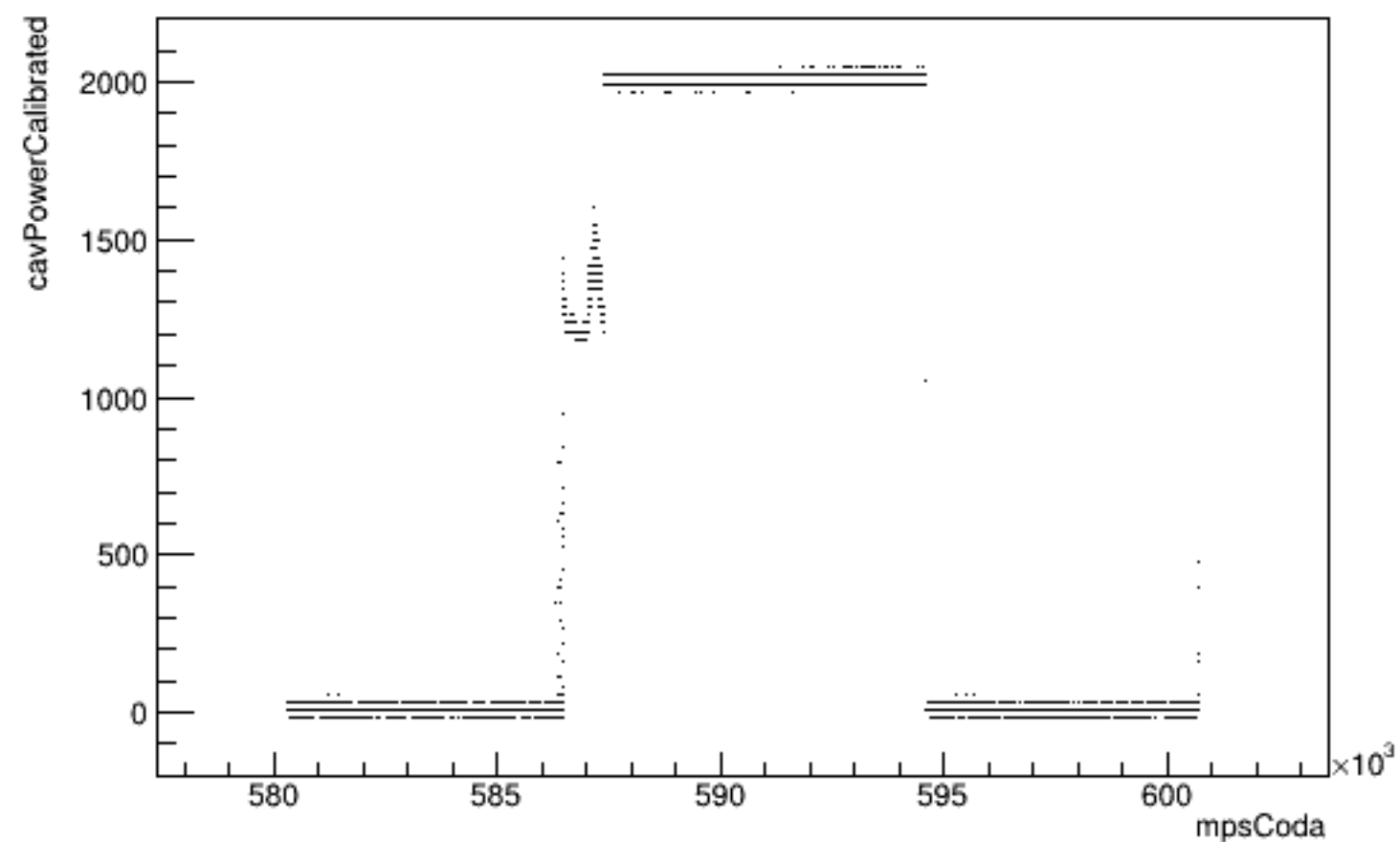
laserState:mpsCoda {mpsCoda>=580290 && mpsCoda<=600721}



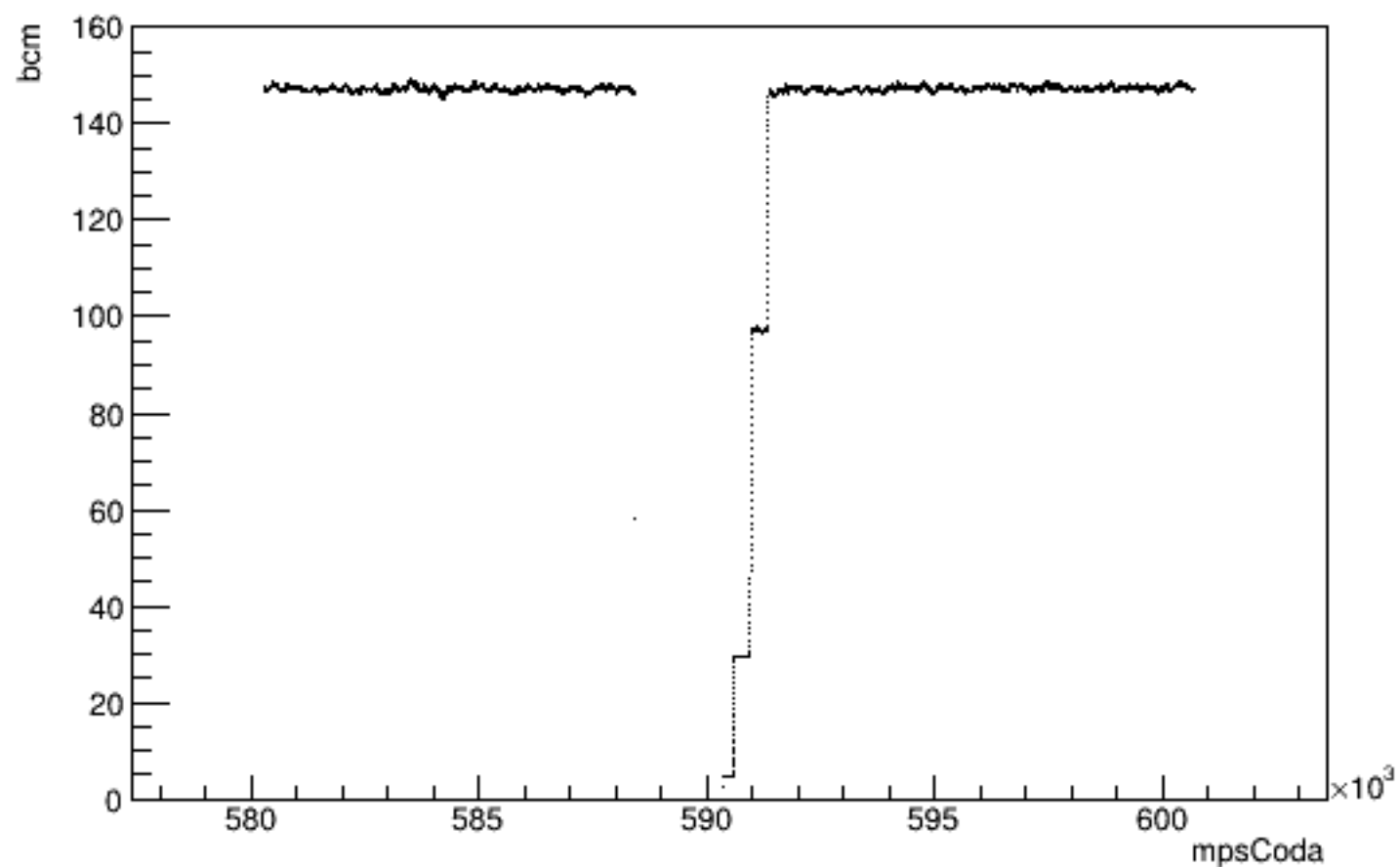
beamState + 1:mpsCoda {mpsCoda>=580290 && mpsCoda<=600721}



cavPowerCalibrated:mpsCoda {mpsCoda>=580290 && mpsCoda<=600721}



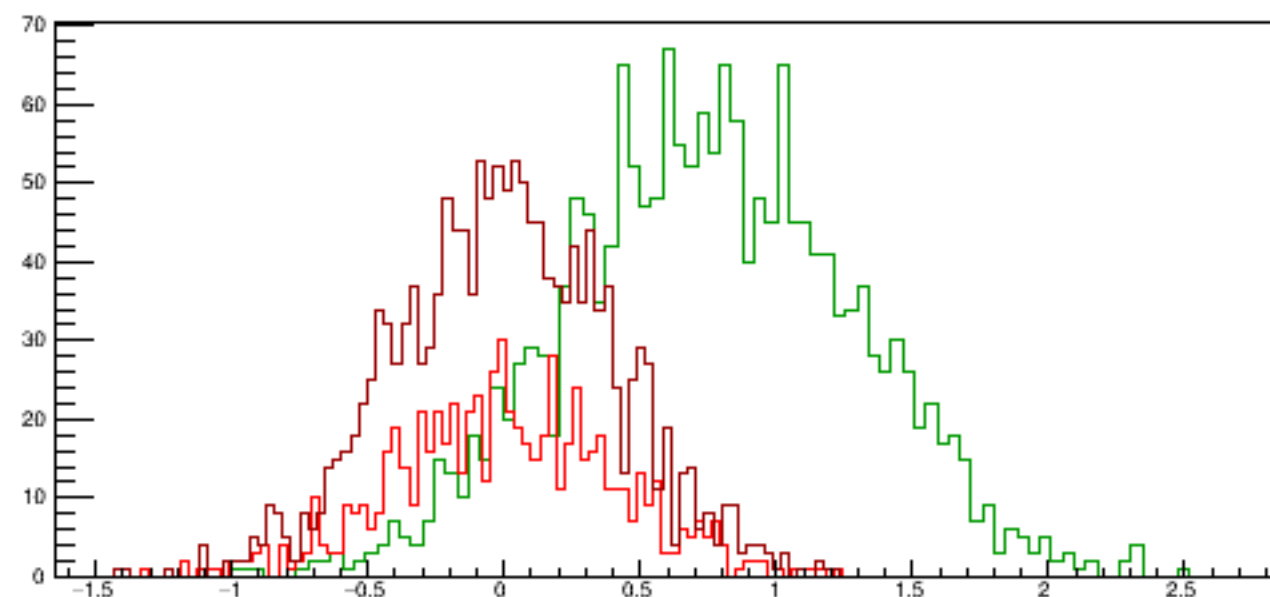
bcm:mpsCoda {mpsCoda>=580290 && mpsCoda<=600721}



Cycle 28, Diffs

Entries: 715	Entries: 1819	Entries: 1539
Mean: 0.0029 +/- 0.0154	Mean: 0.7540 +/- 0.0124	Mean: 0.0006 +/- 0.0102
Std Dev: 0.4121 +/- 0.0109	Std Dev: 0.5287 +/- 0.0088	Std Dev: 0.3991 +/- 0.0072

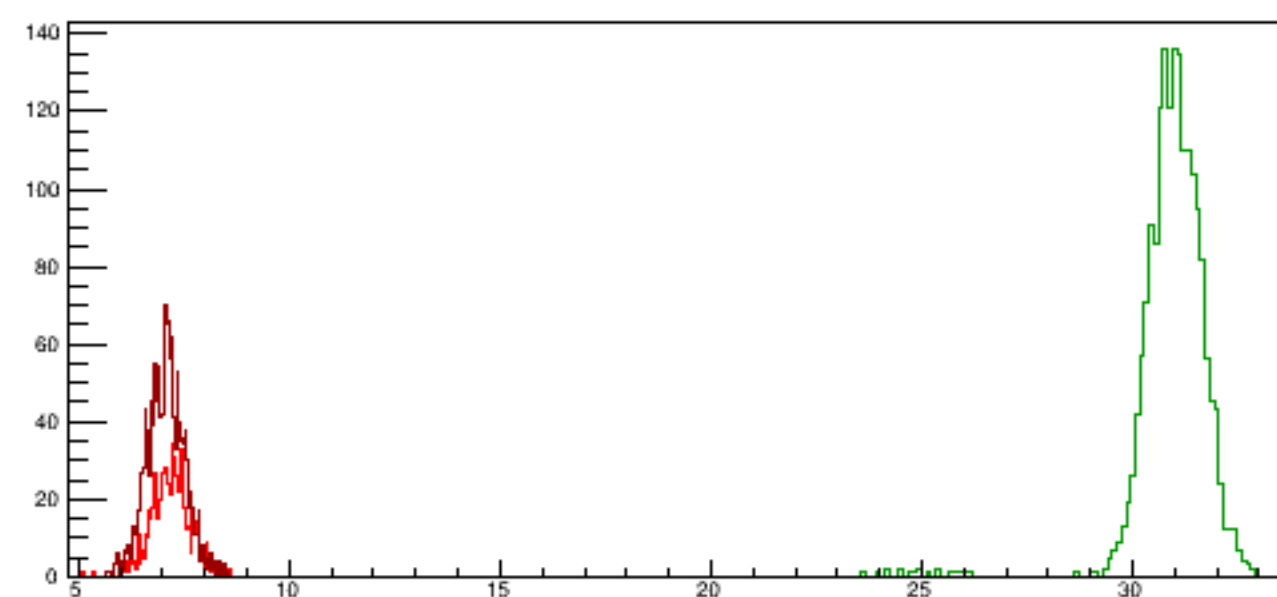
Run 6086 quartetwise, Diffs



Cycle 28, Sums

Entries: 715	Entries: 1819	Entries: 1539
Mean: 7.1822 +/- 0.0172	Mean: 30.9640 +/- 0.0198	Mean: 7.0693 +/- 0.0113
Std Dev: 0.4600 +/- 0.0122	Std Dev: 0.8441 +/- 0.0140	Std Dev: 0.4415 +/- 0.0080

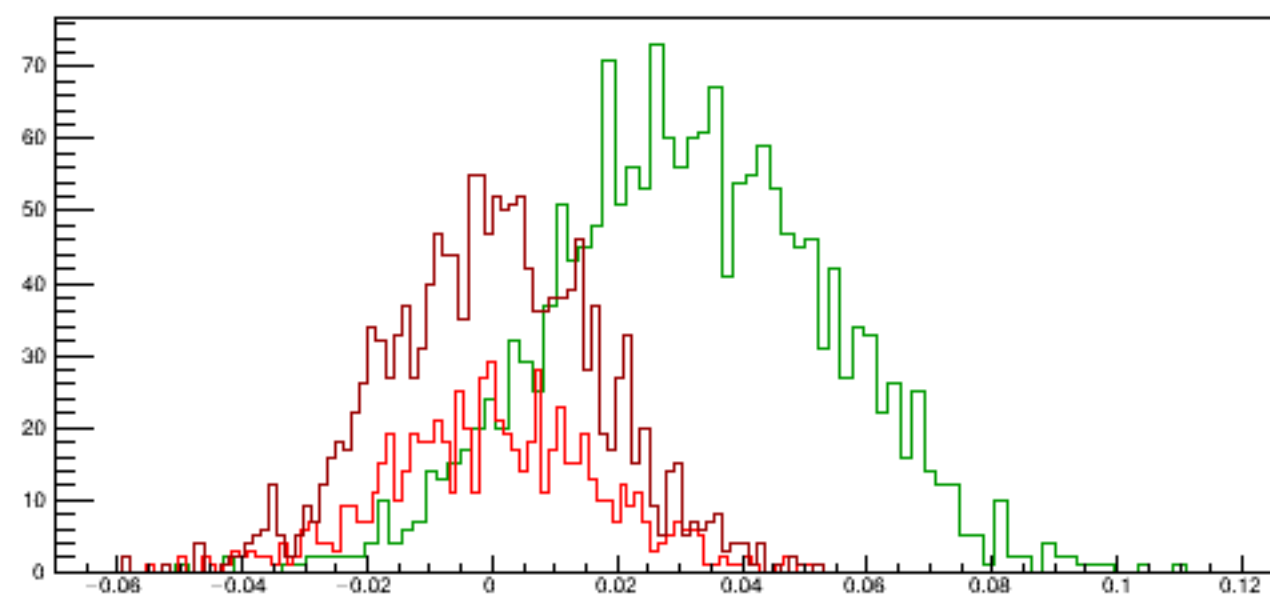
Run 6086 quartetwise, Sums



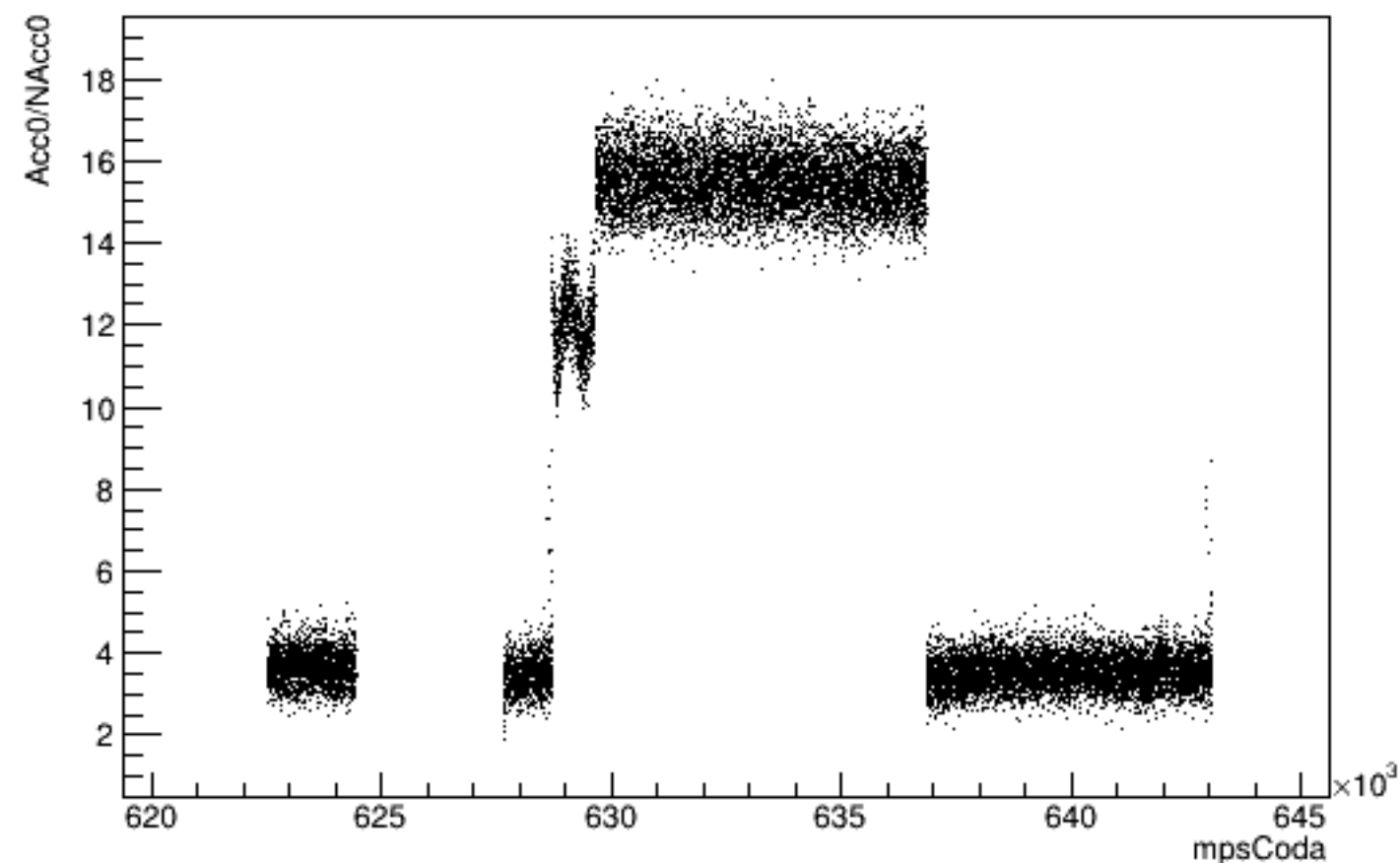
Cycle 28, Asyms

Entries: 715	Entries: 1819	Entries: 1539
Mean: 0.0001 +/- 0.0006	Mean: 0.0316 +/- 0.0005	Mean: 0.0000 +/- 0.0004
Std Dev: 0.0173 +/- 0.0005	Std Dev: 0.0222 +/- 0.0004	Std Dev: 0.0167 +/- 0.0003

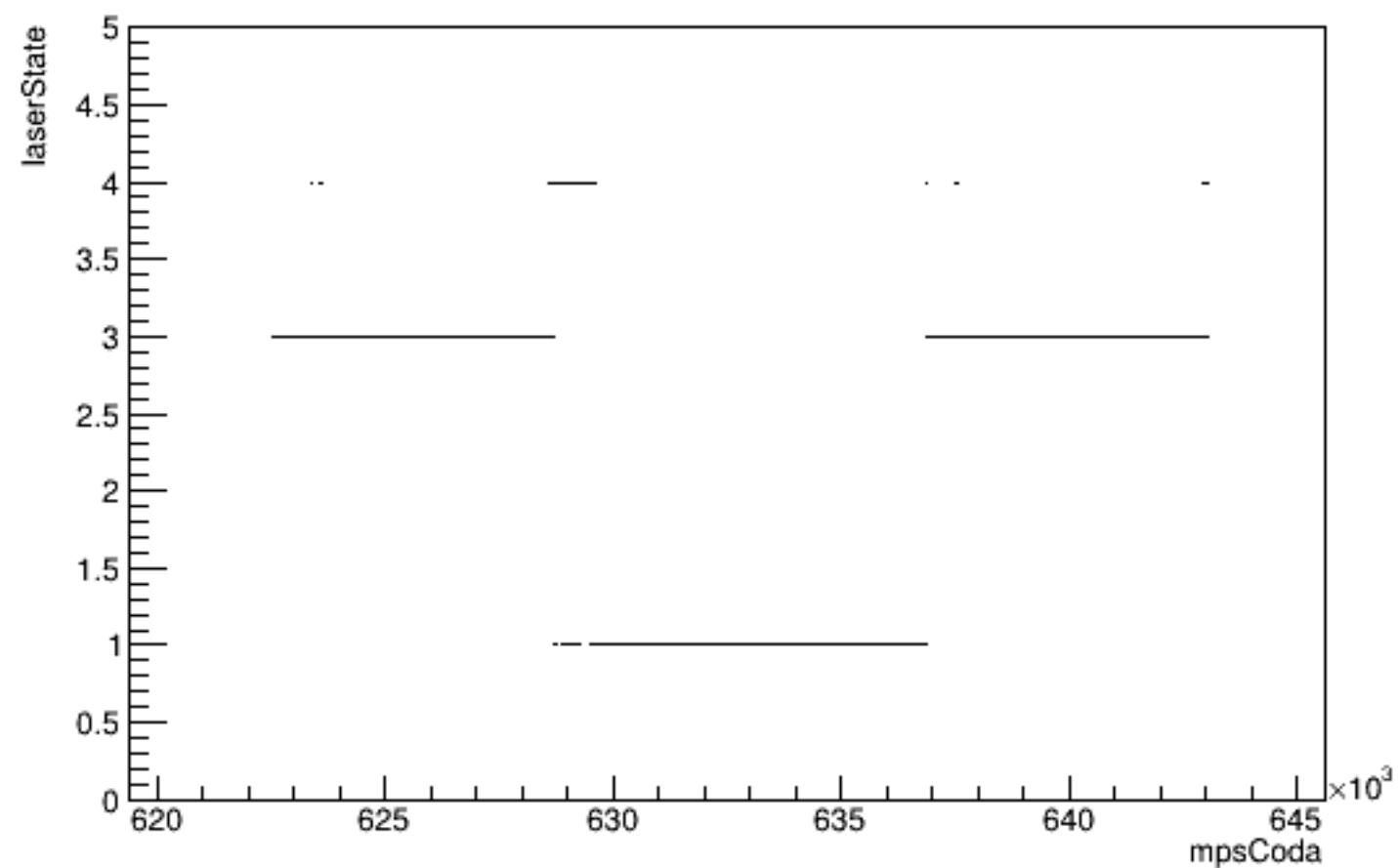
Run 6086 quartetwise, Asyms



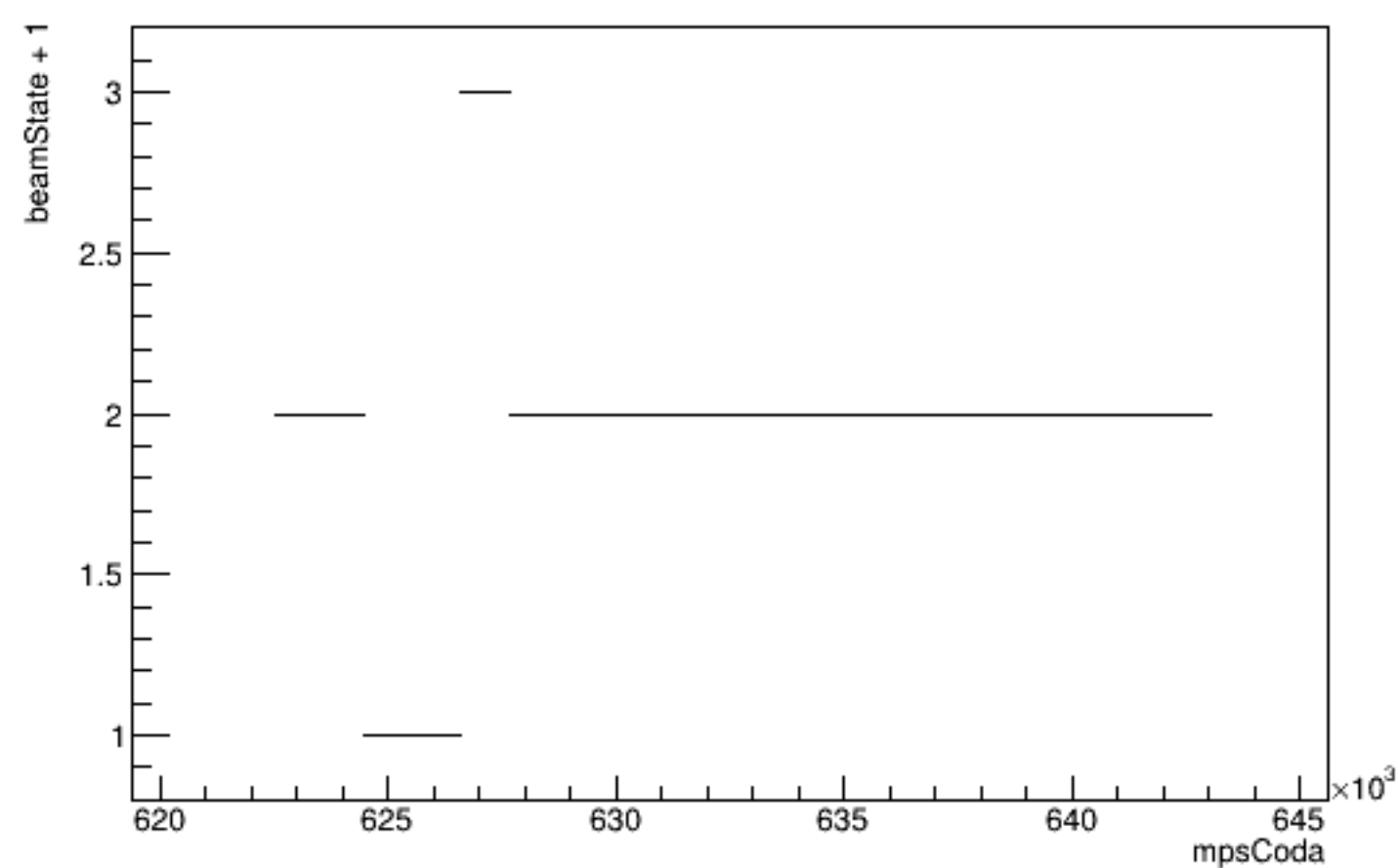
Acc0/NAcc0:mpsCoda (mpsCoda>=622530 && mpsCoda<=643073 && beamState==1)



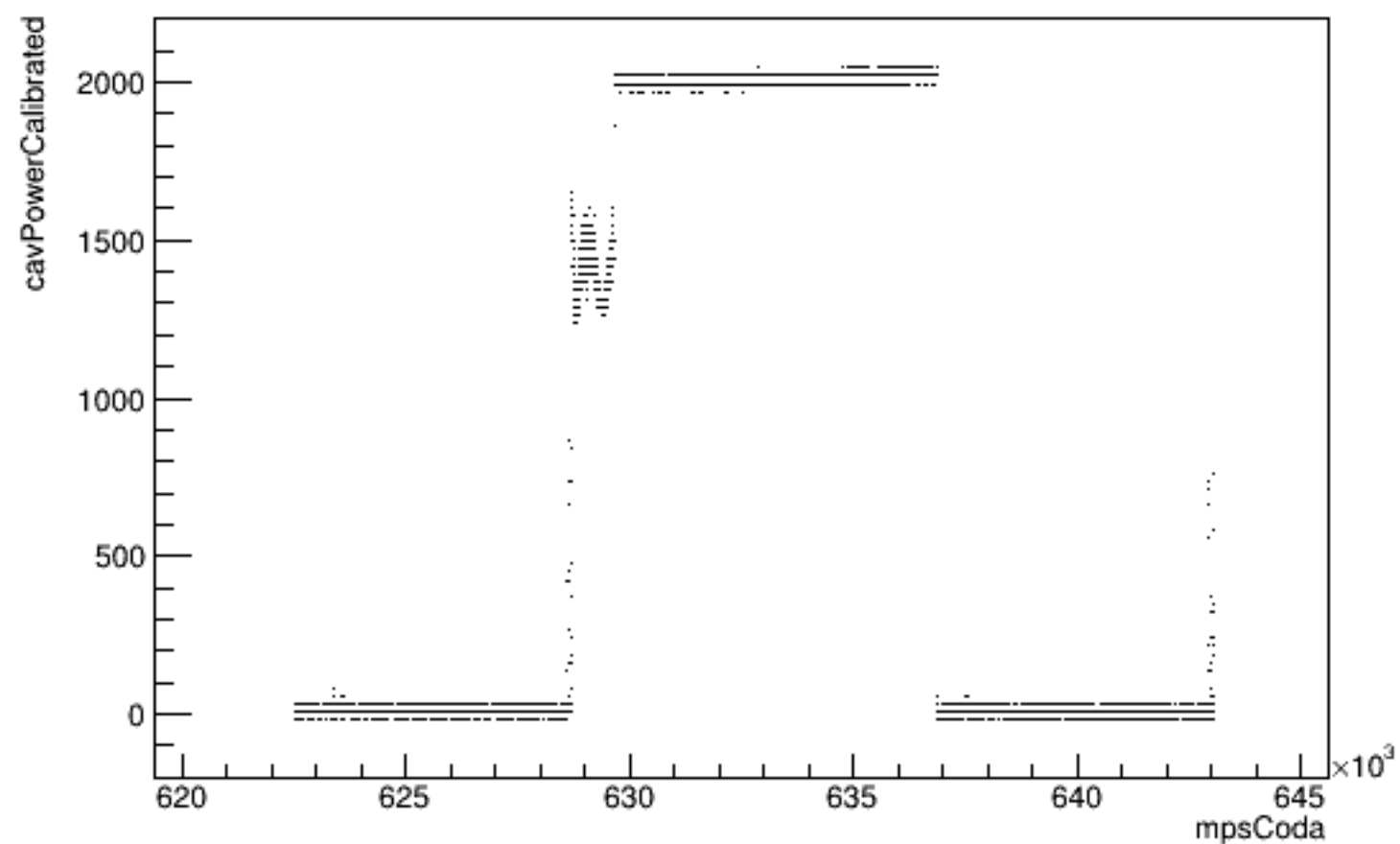
laserState:mpsCoda {mpsCoda>=622530 && mpsCoda<=643073}



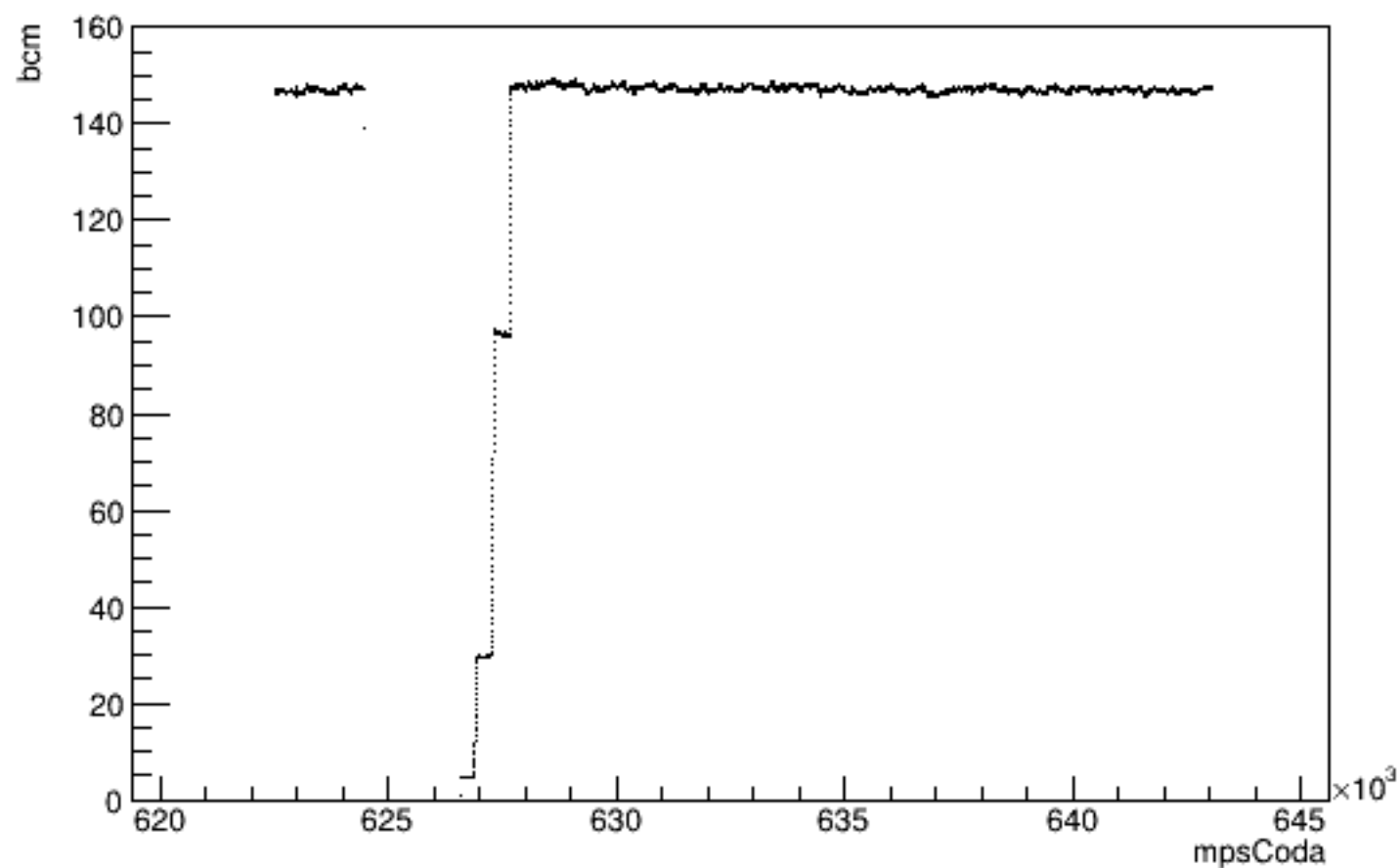
beamState + 1:mpsCoda {mpsCoda>=622530 && mpsCoda<=643073}



cavPowerCalibrated:mpsCoda {mpsCoda>=622530 && mpsCoda<=643073}



bcm:mpsCoda {mpsCoda>=622530 && mpsCoda<=643073}



Cycle 29, Diffs

Entries: 1539

Mean: 0.0006 +/- 0.0102

Std Dev: 0.3991 +/- 0.0072

Entries: 1801

Mean: 0.7575 +/- 0.0128

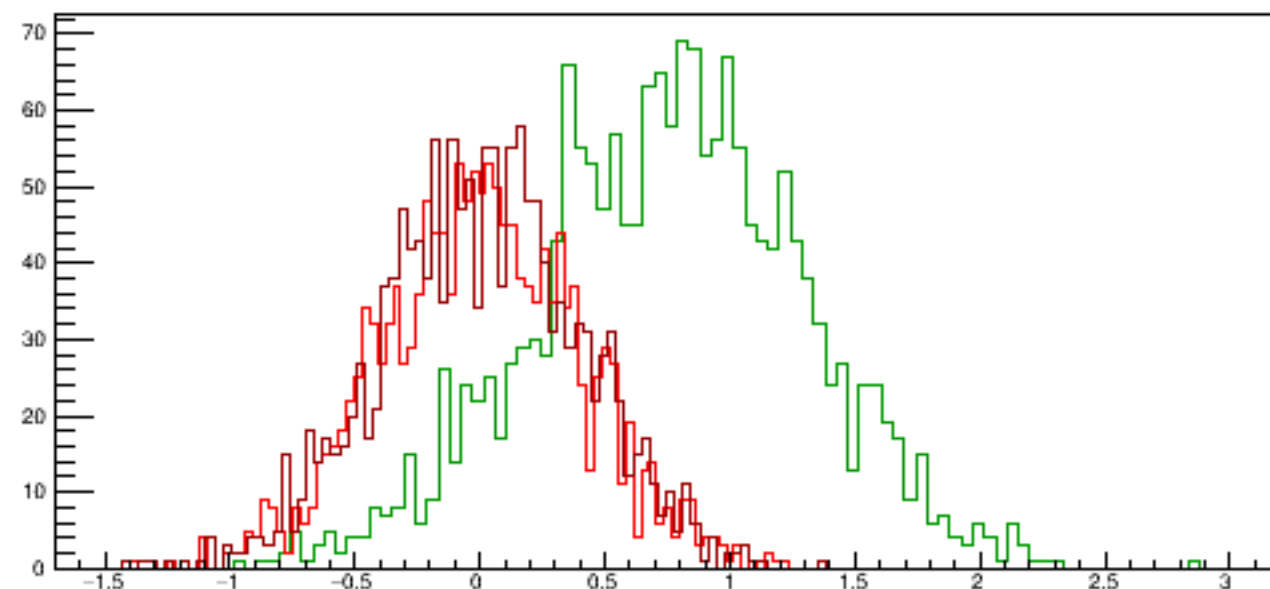
Std Dev: 0.5443 +/- 0.0091

Entries: 1517

Mean: 0.0033 +/- 0.0103

Std Dev: 0.4011 +/- 0.0073

Run 6086 quartetwise, Diffs



Cycle 29, Sums

Entries: 1539

Mean: 7.0693 +/- 0.0113

Std Dev: 0.4415 +/- 0.0080

Entries: 1801

Mean: 31.2413 +/- 0.0142

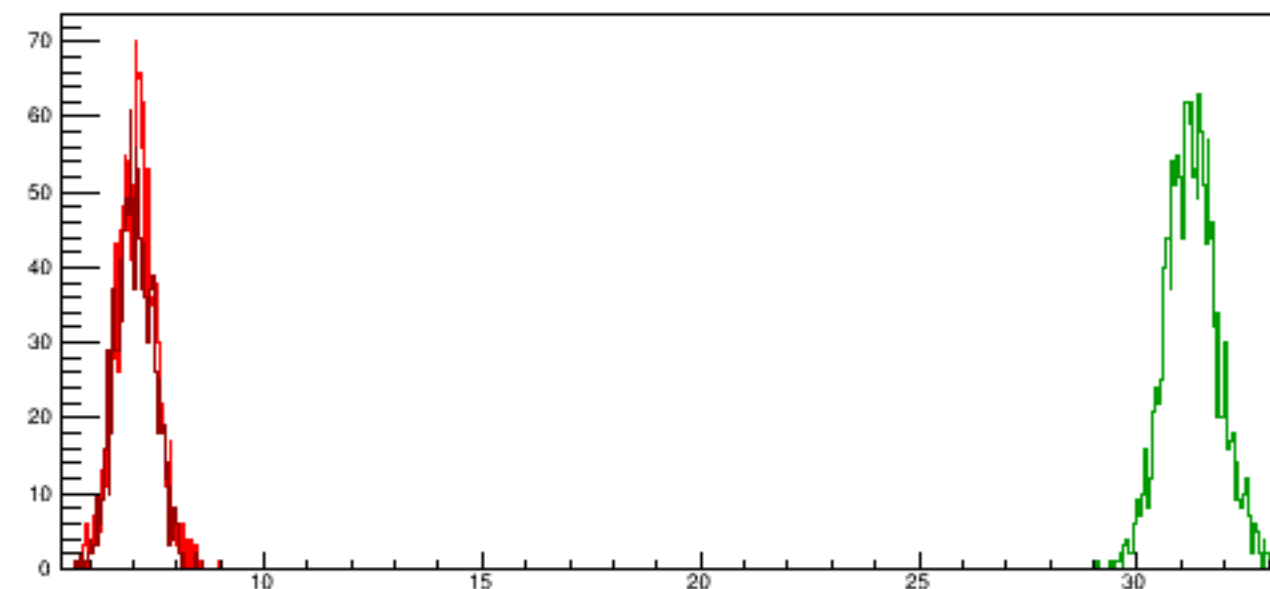
Std Dev: 0.6011 +/- 0.0100

Entries: 1517

Mean: 7.0434 +/- 0.0109

Std Dev: 0.4228 +/- 0.0077

Run 6086 quartetwise, Sums



Cycle 29, Asyms

Entries: 1539

Mean: 0.0000 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

Entries: 1801

Mean: 0.0313 +/- 0.0005

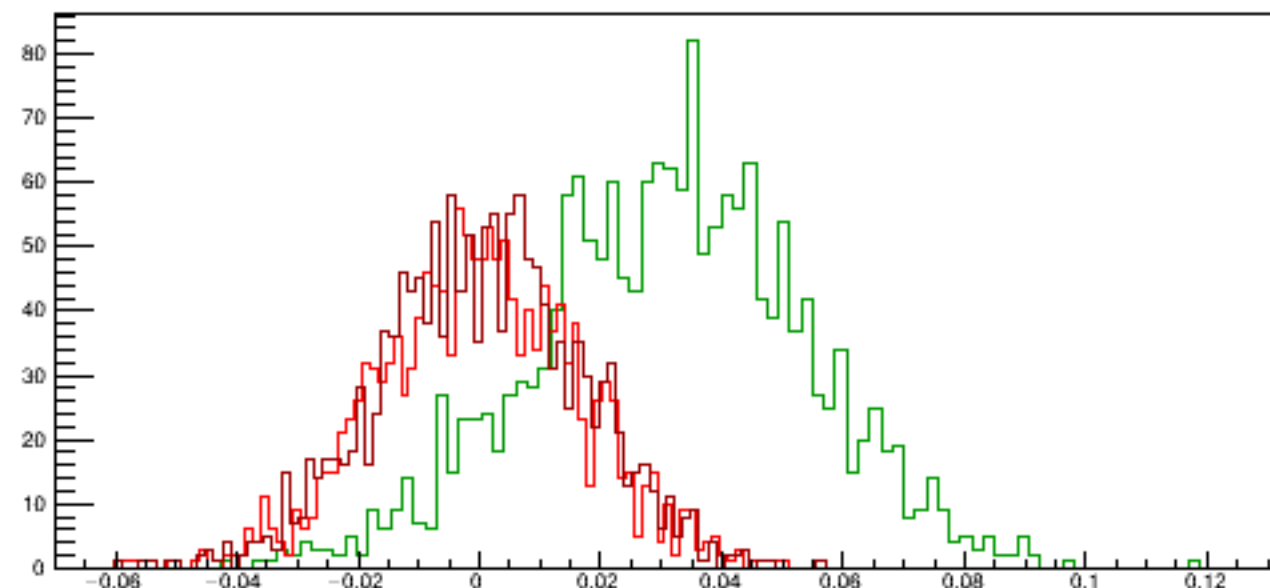
Std Dev: 0.0225 +/- 0.0004

Entries: 1517

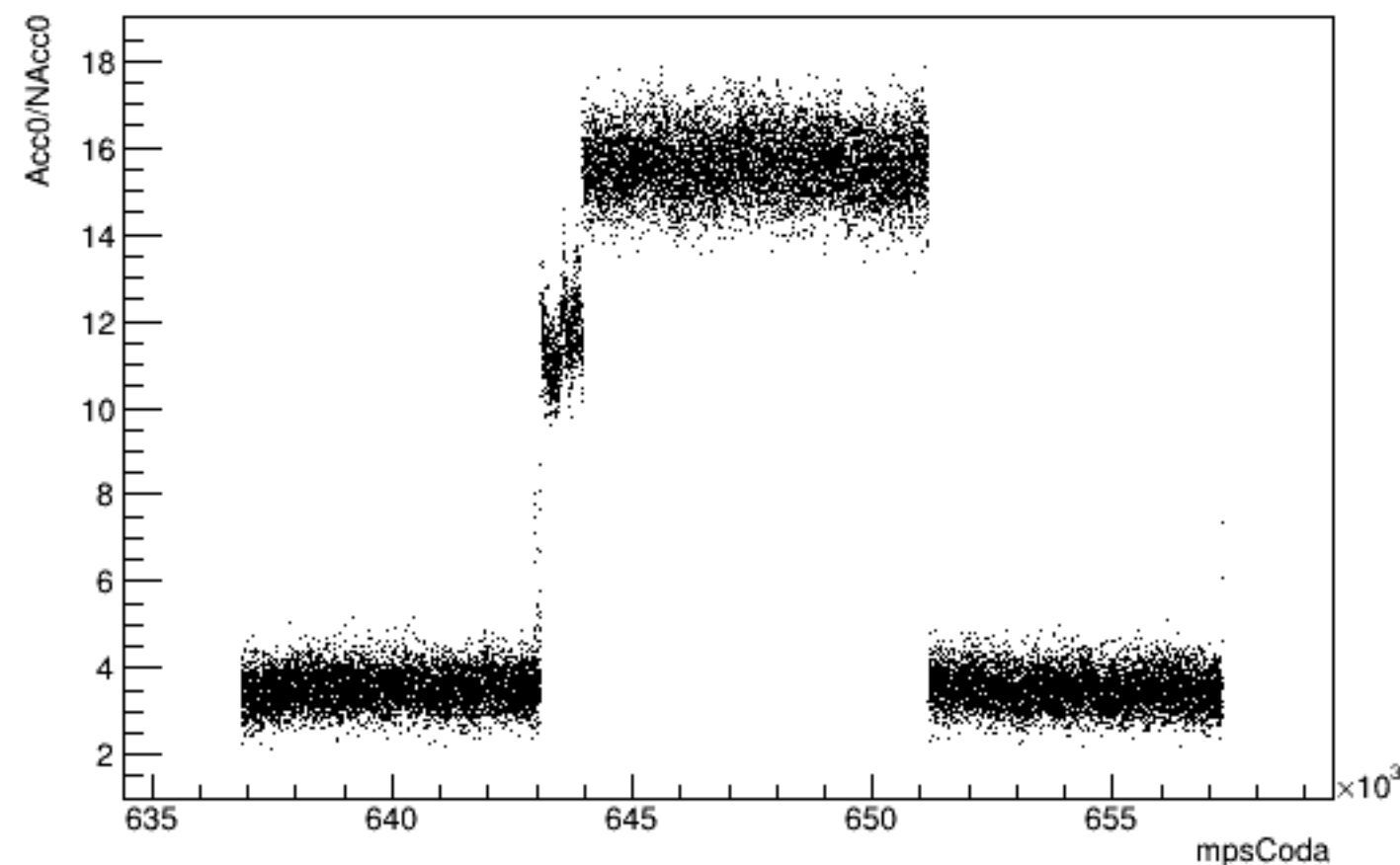
Mean: 0.0001 +/- 0.0004

Std Dev: 0.0166 +/- 0.0003

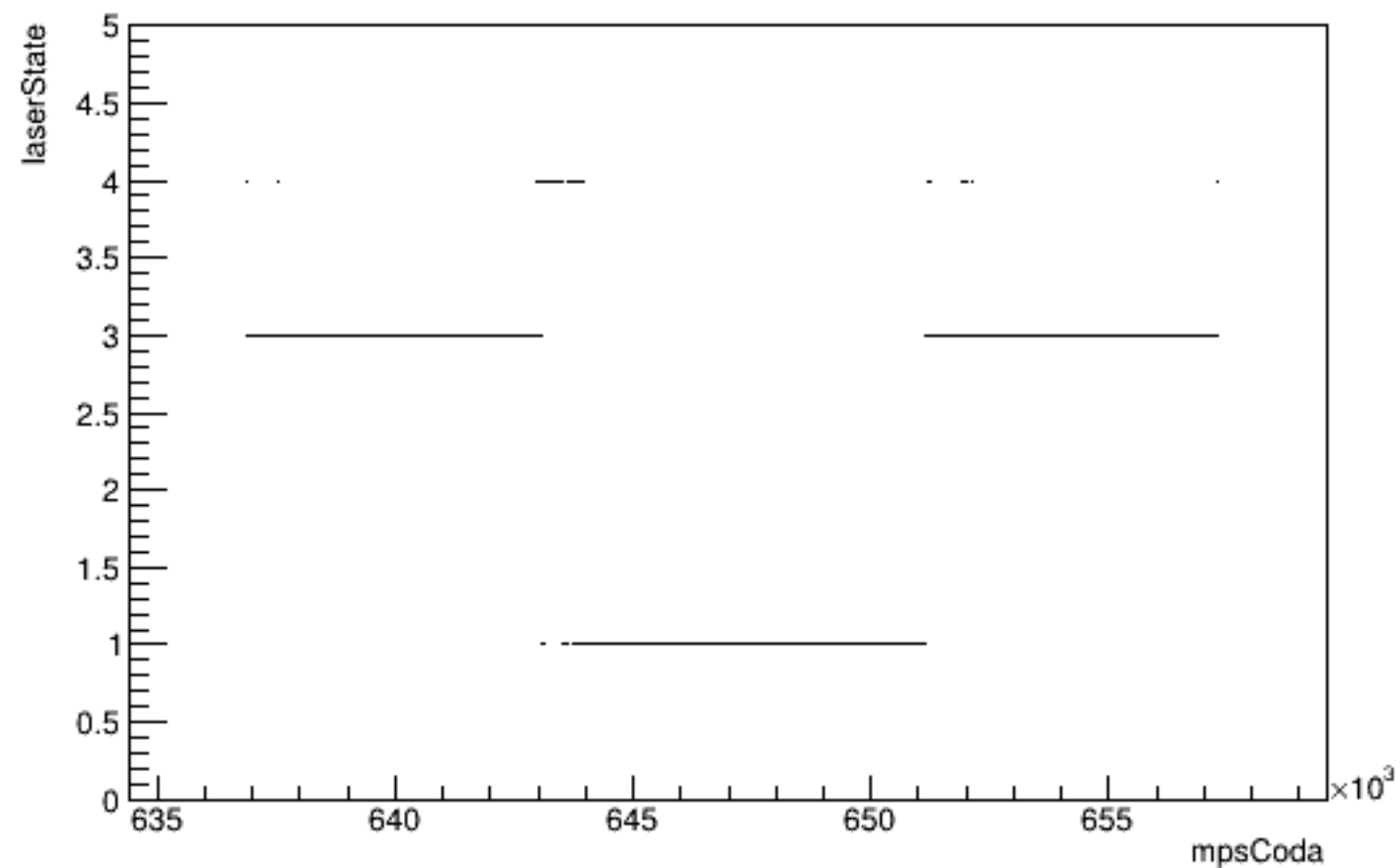
Run 6086 quartetwise, Asyms



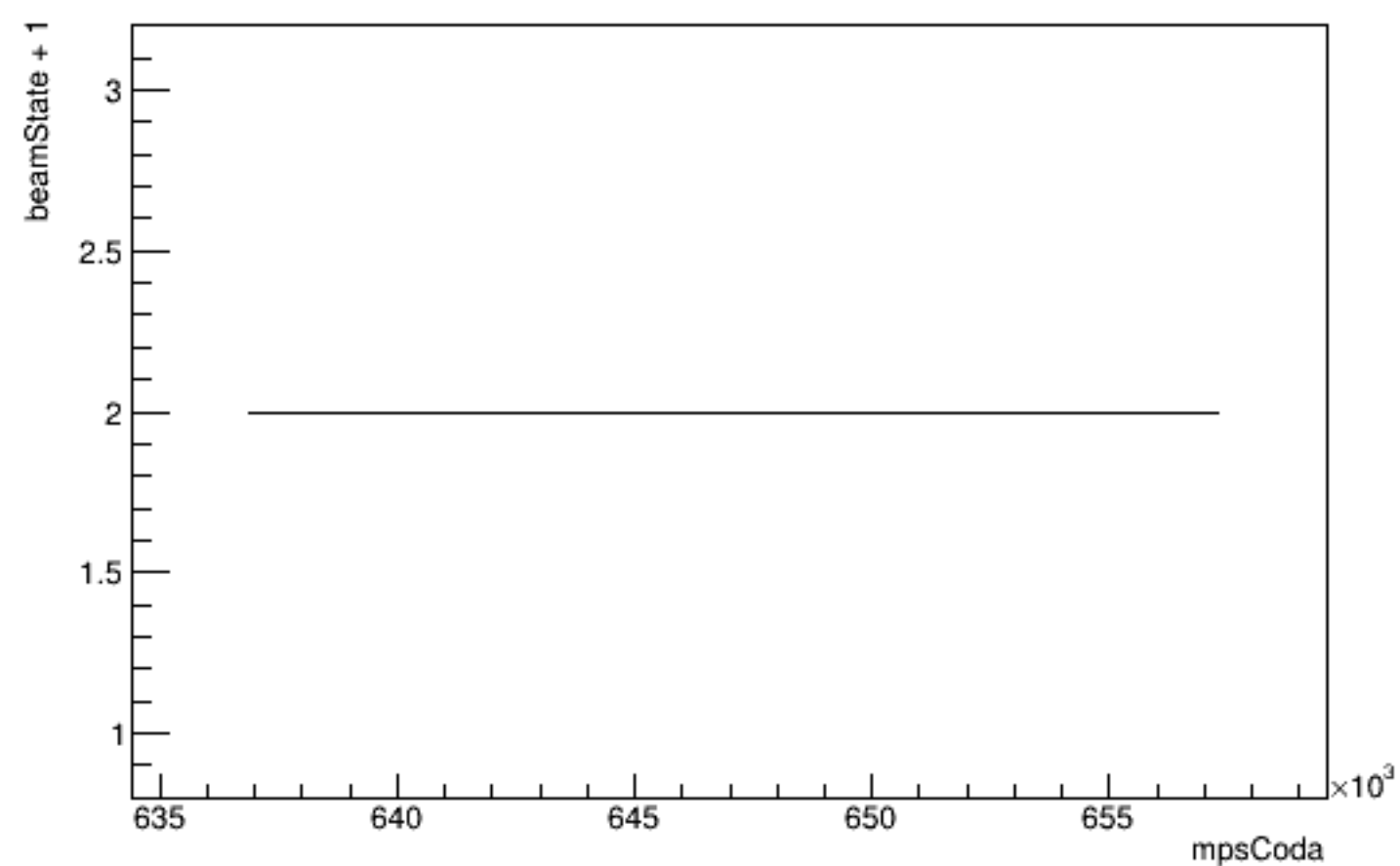
Acc0/NAcc0:mpsCoda (mpsCoda>=636850 && mpsCoda<=657273 && beamState==1)



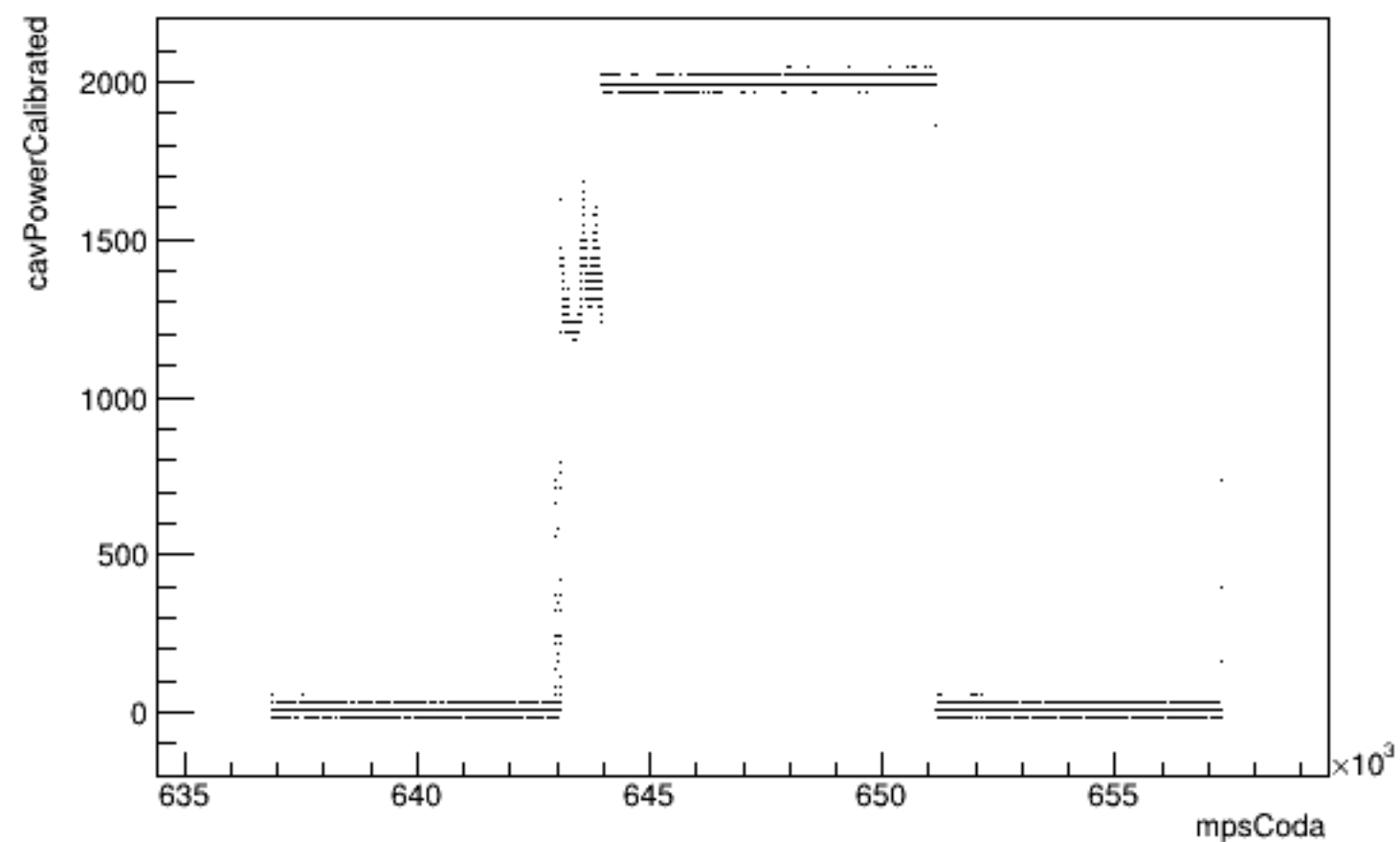
laserState:mpsCoda {mpsCoda>=636850 && mpsCoda<=657273}



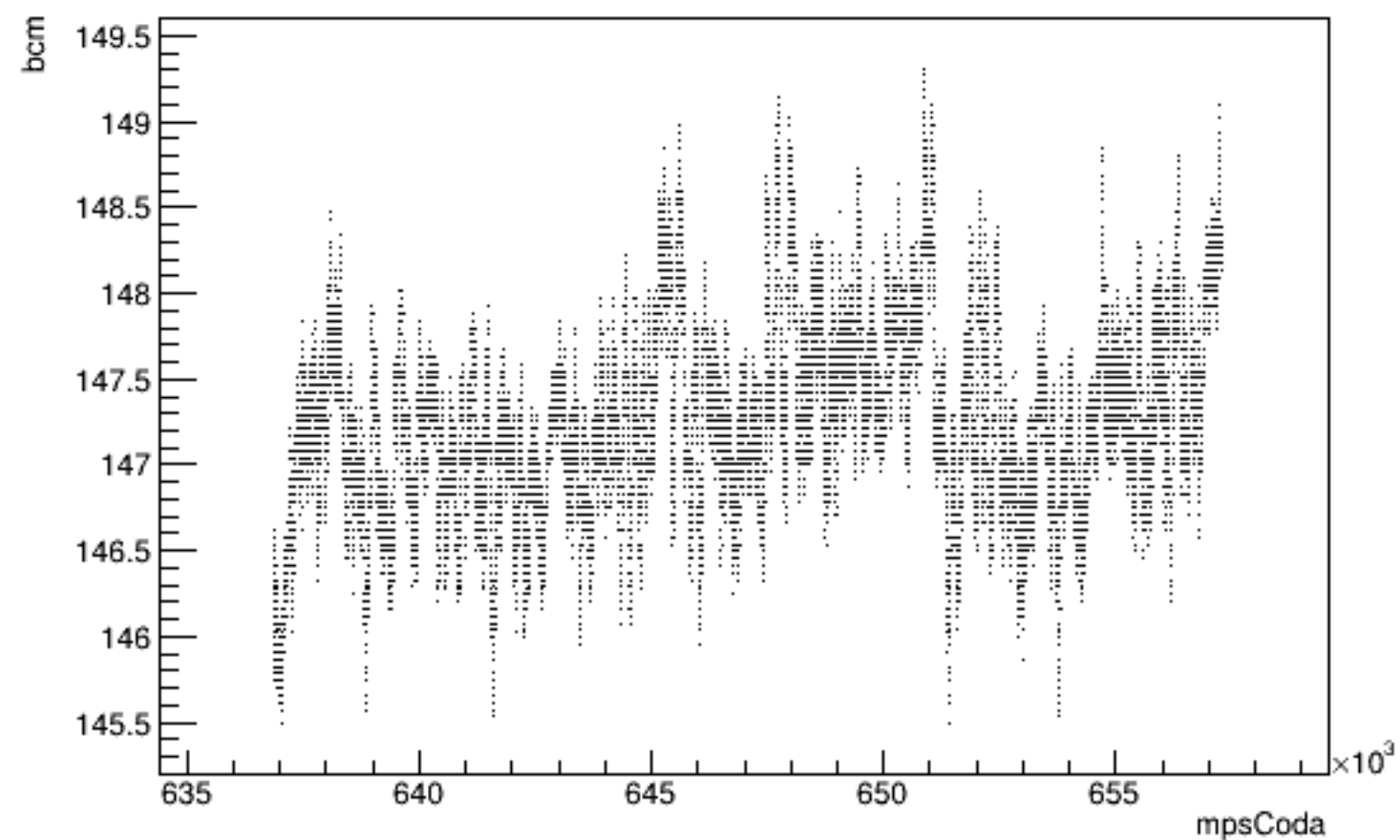
beamState + 1:mpsCoda {mpsCoda>=636850 && mpsCoda<=657273}



cavPowerCalibrated:mpsCoda {mpsCoda>=636850 && mpsCoda<=657273}



bcm:mpsCoda {mpsCoda>=636850 && mpsCoda<=657273}



Cycle 30, Diffs

Entries: 1517

Mean: 0.0033 +/- 0.0103

Std Dev: 0.4011 +/- 0.0073

Entries: 1801

Mean: 0.7463 +/- 0.0126

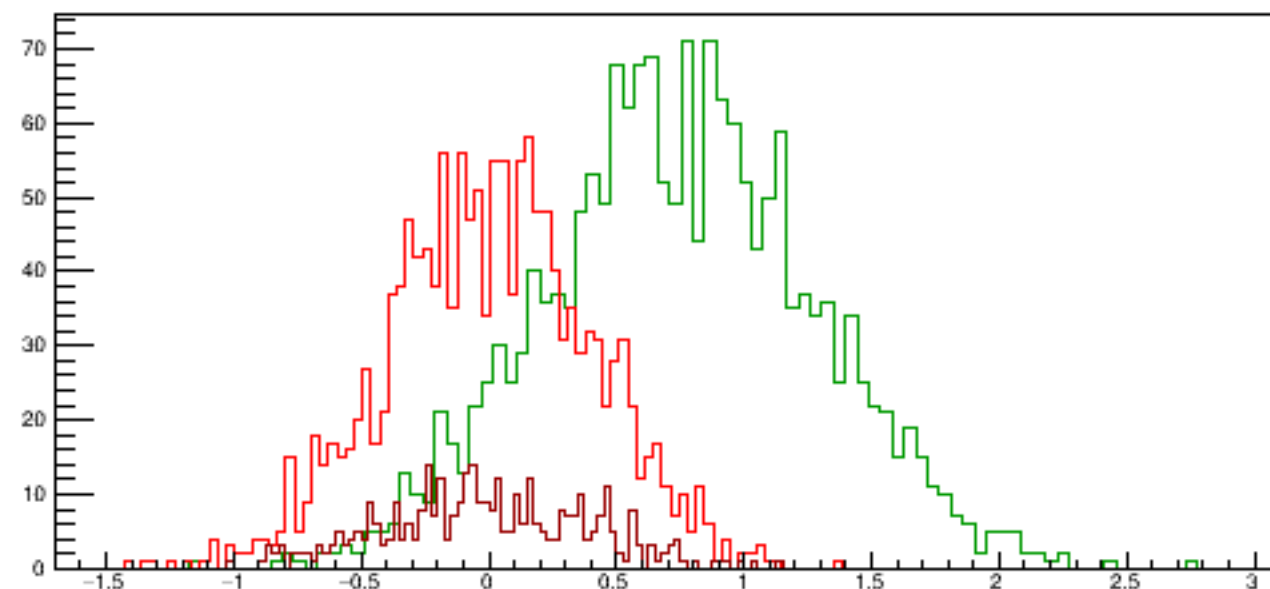
Std Dev: 0.5336 +/- 0.0089

Entries: 373

Mean: -0.0083 +/- 0.0206

Std Dev: 0.3970 +/- 0.0145

Run 6086 quartetwise, Diffs



Cycle 30, Sums

Entries: 1517

Mean: 7.0434 +/- 0.0109

Std Dev: 0.4228 +/- 0.0077

Entries: 1801

Mean: 31.4406 +/- 0.0143

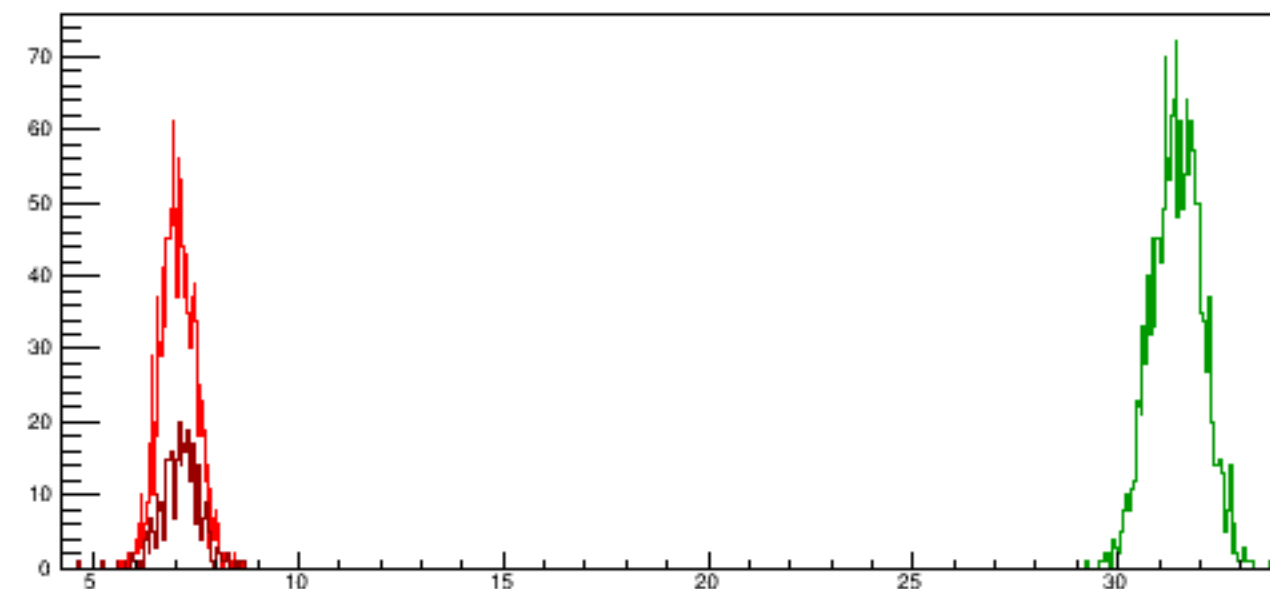
Std Dev: 0.6071 +/- 0.0101

Entries: 373

Mean: 7.1133 +/- 0.0267

Std Dev: 0.5165 +/- 0.0189

Run 6086 quartetwise, Sums



Cycle 30, Asyms

Entries: 1517

Mean: 0.0001 +/- 0.0004

Std Dev: 0.0165 +/- 0.0003

Entries: 1801

Mean: 0.0306 +/- 0.0005

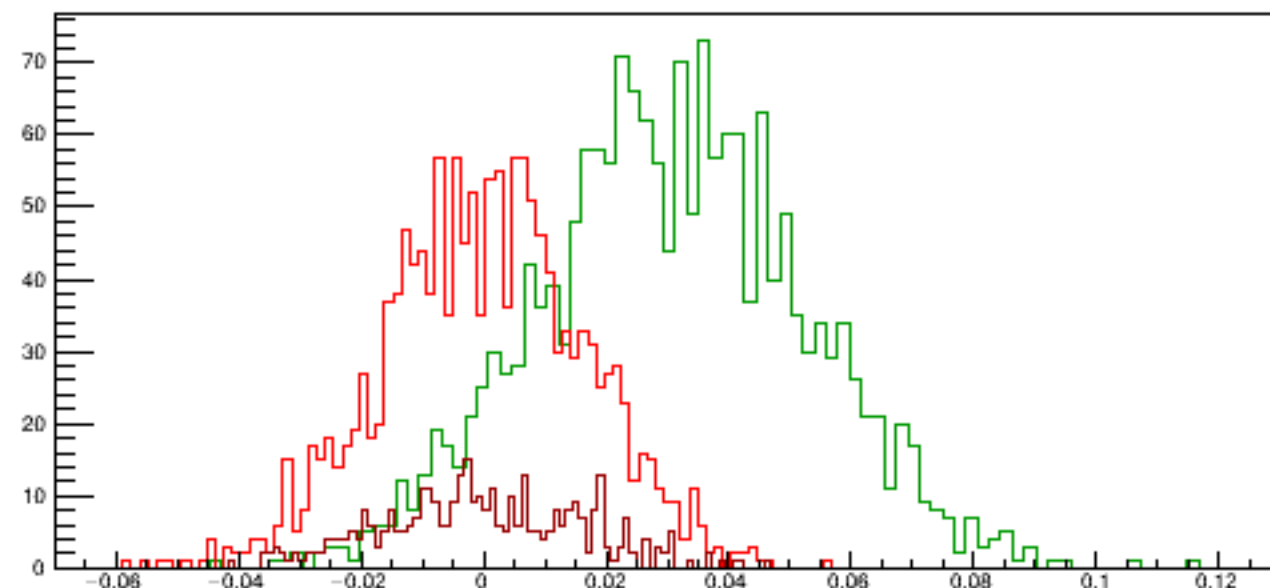
Std Dev: 0.0219 +/- 0.0004

Entries: 373

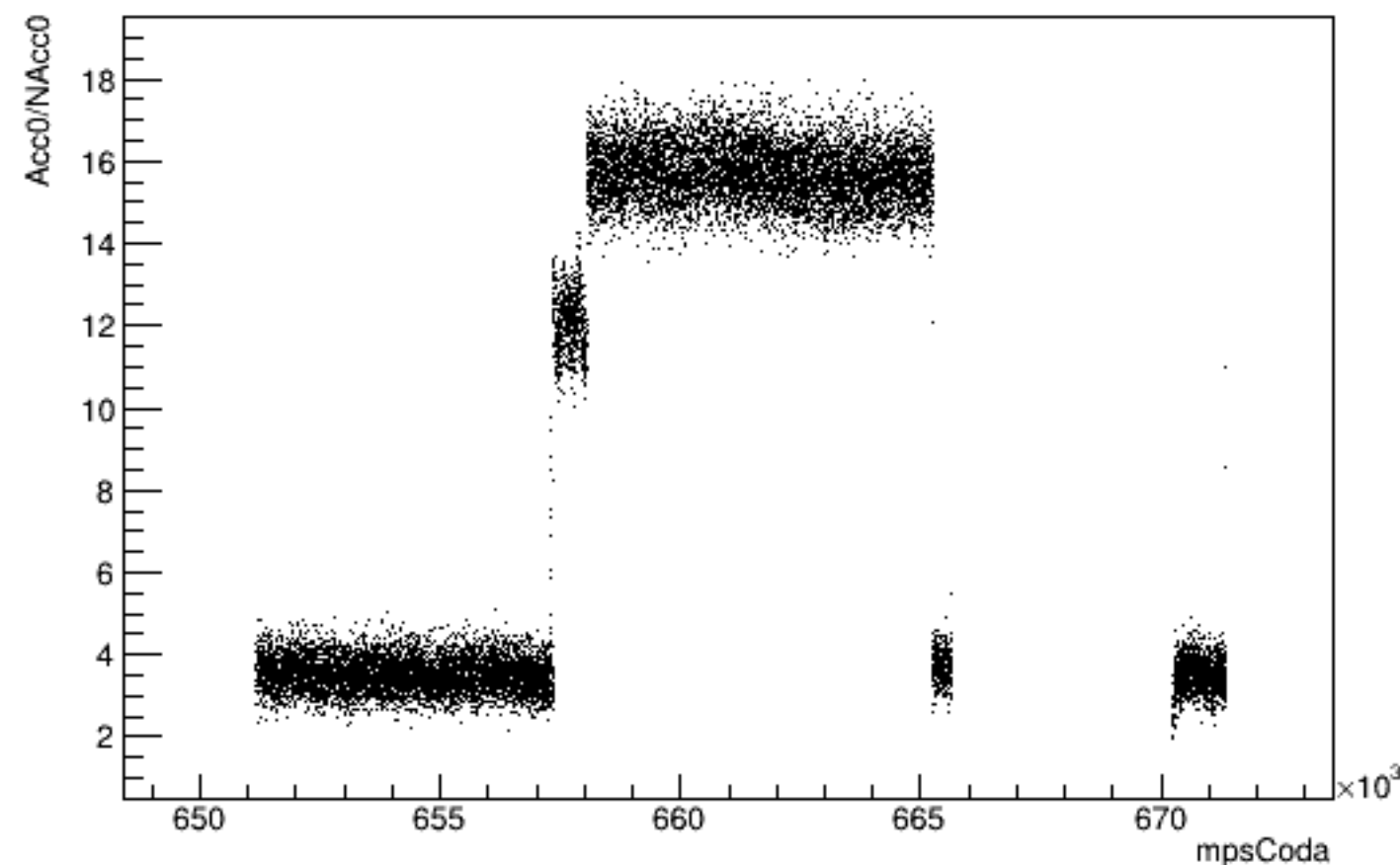
Mean: -0.0003 +/- 0.0008

Std Dev: 0.0163 +/- 0.0006

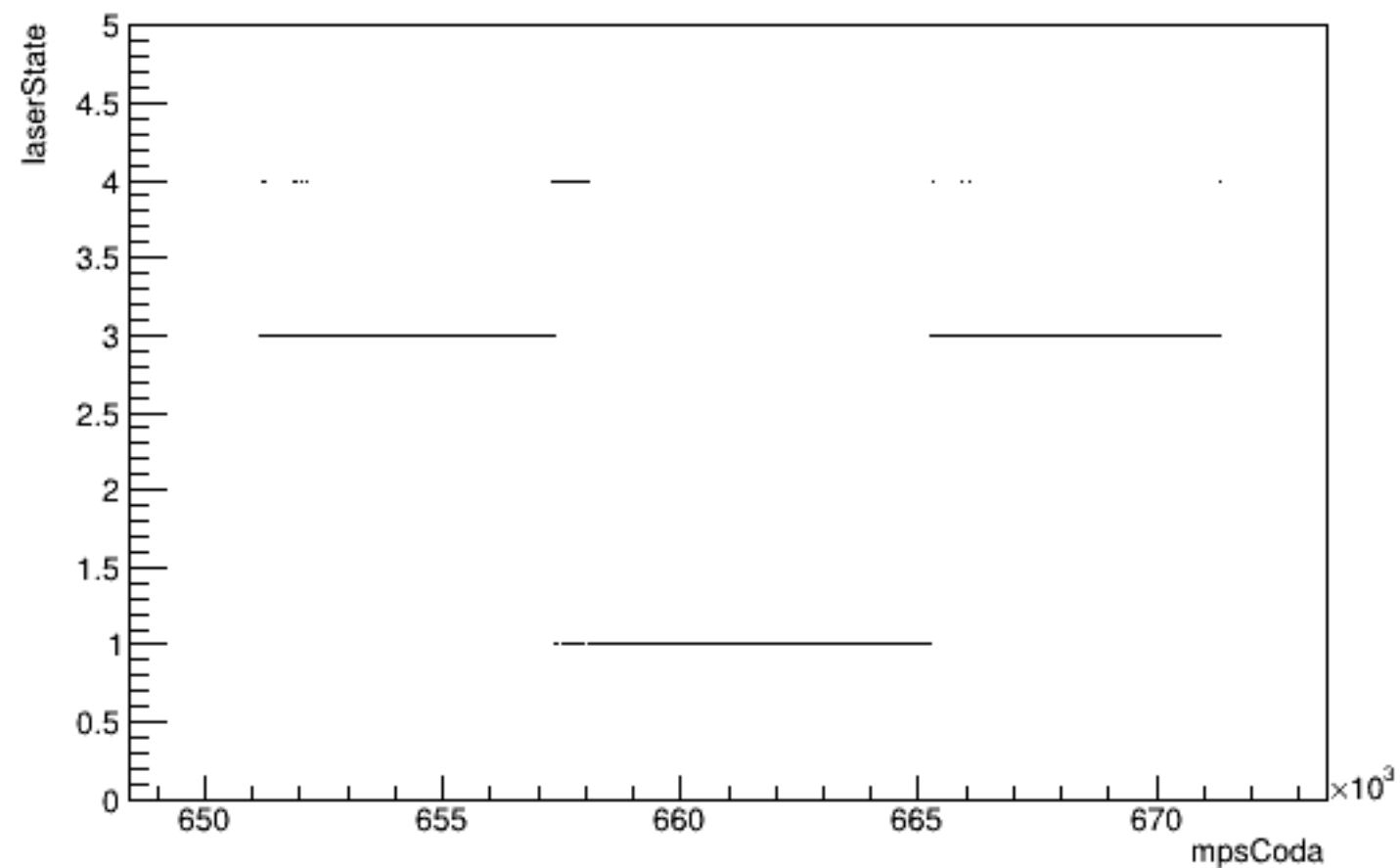
Run 6086 quartetwise, Asyms



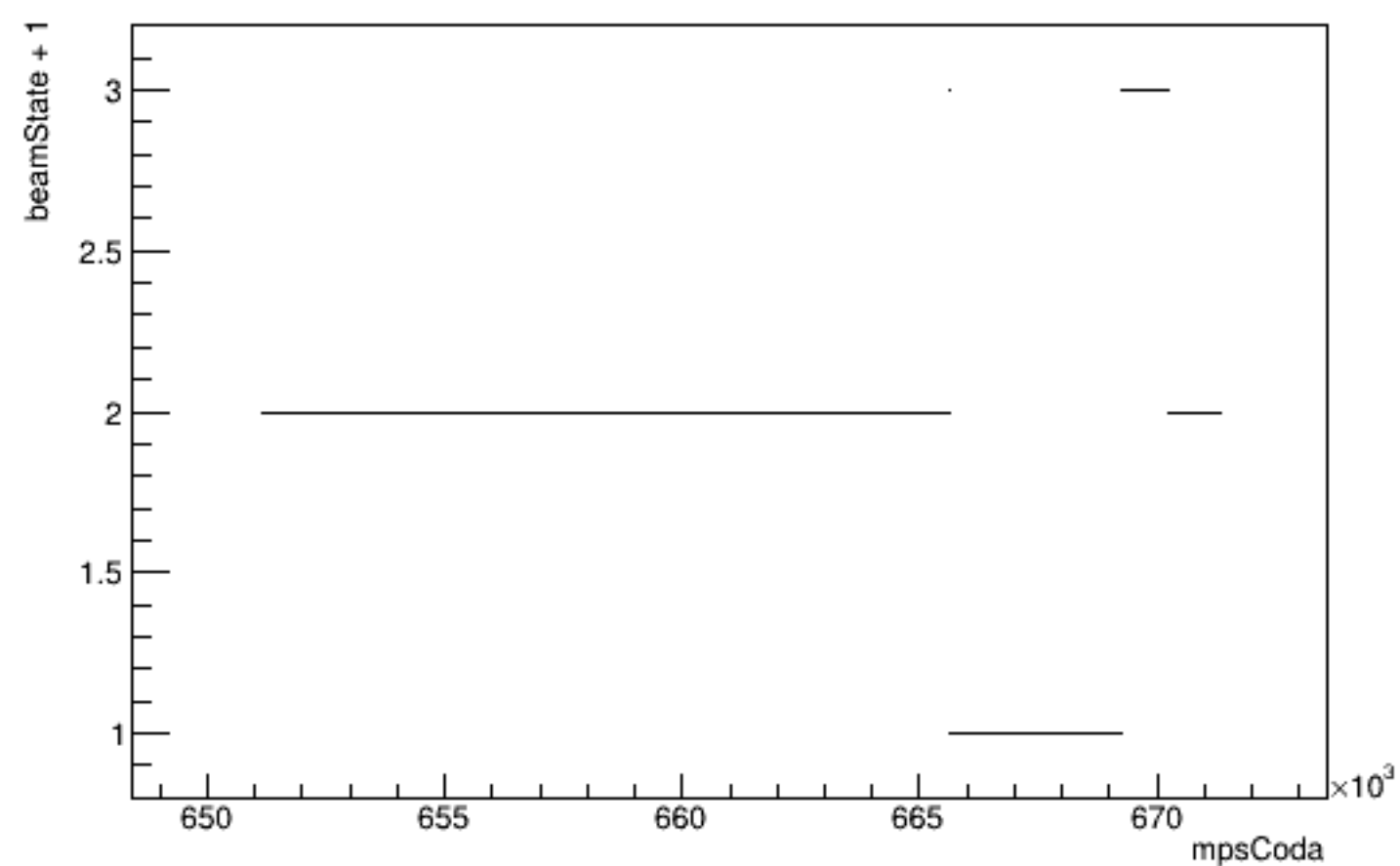
Acc0/NAcc0:mpsCoda (mpsCoda>=651170 && mpsCoda<=671365 && beamState==1)



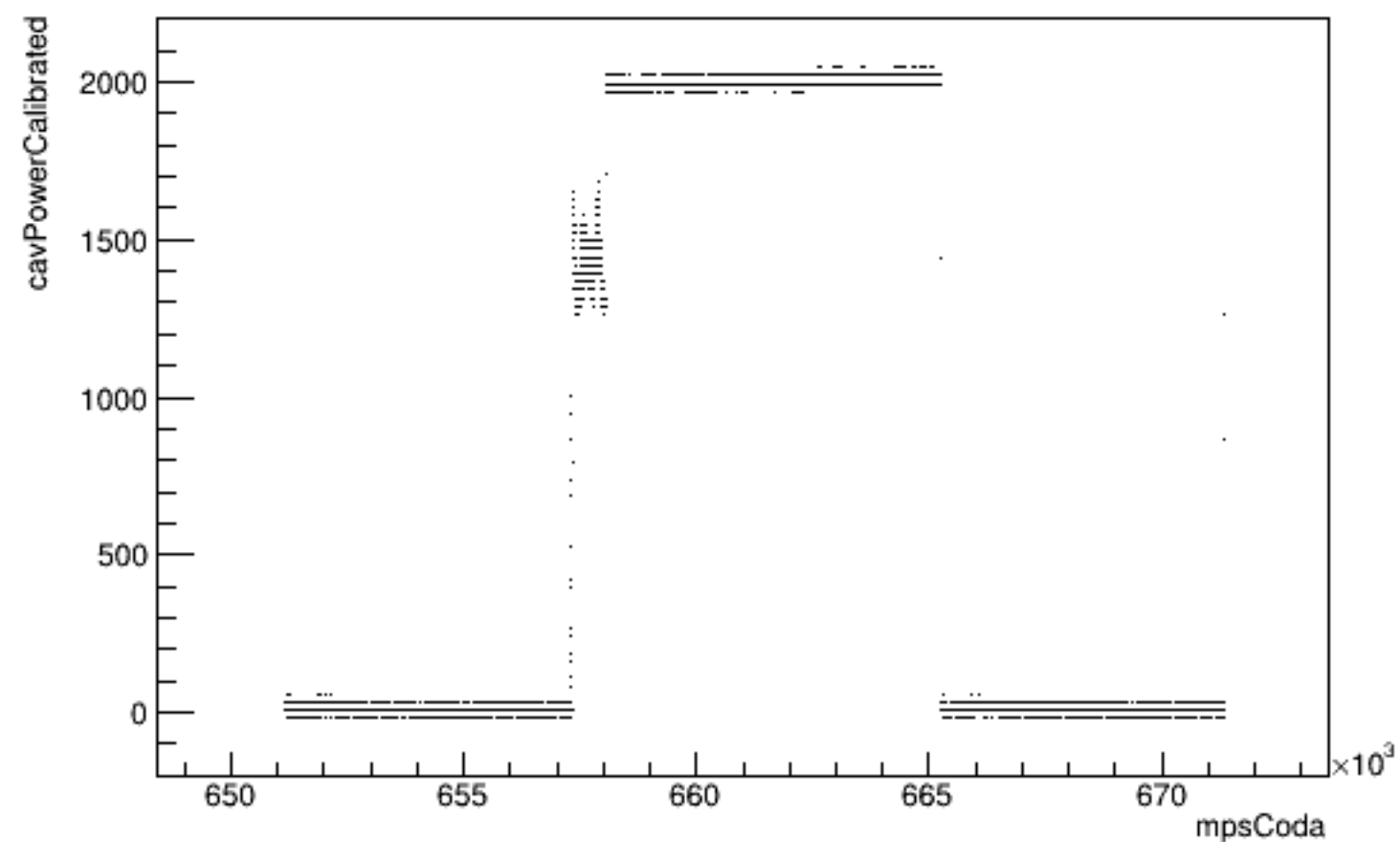
laserState:mpsCoda {mpsCoda>=651170 && mpsCoda<=671365}



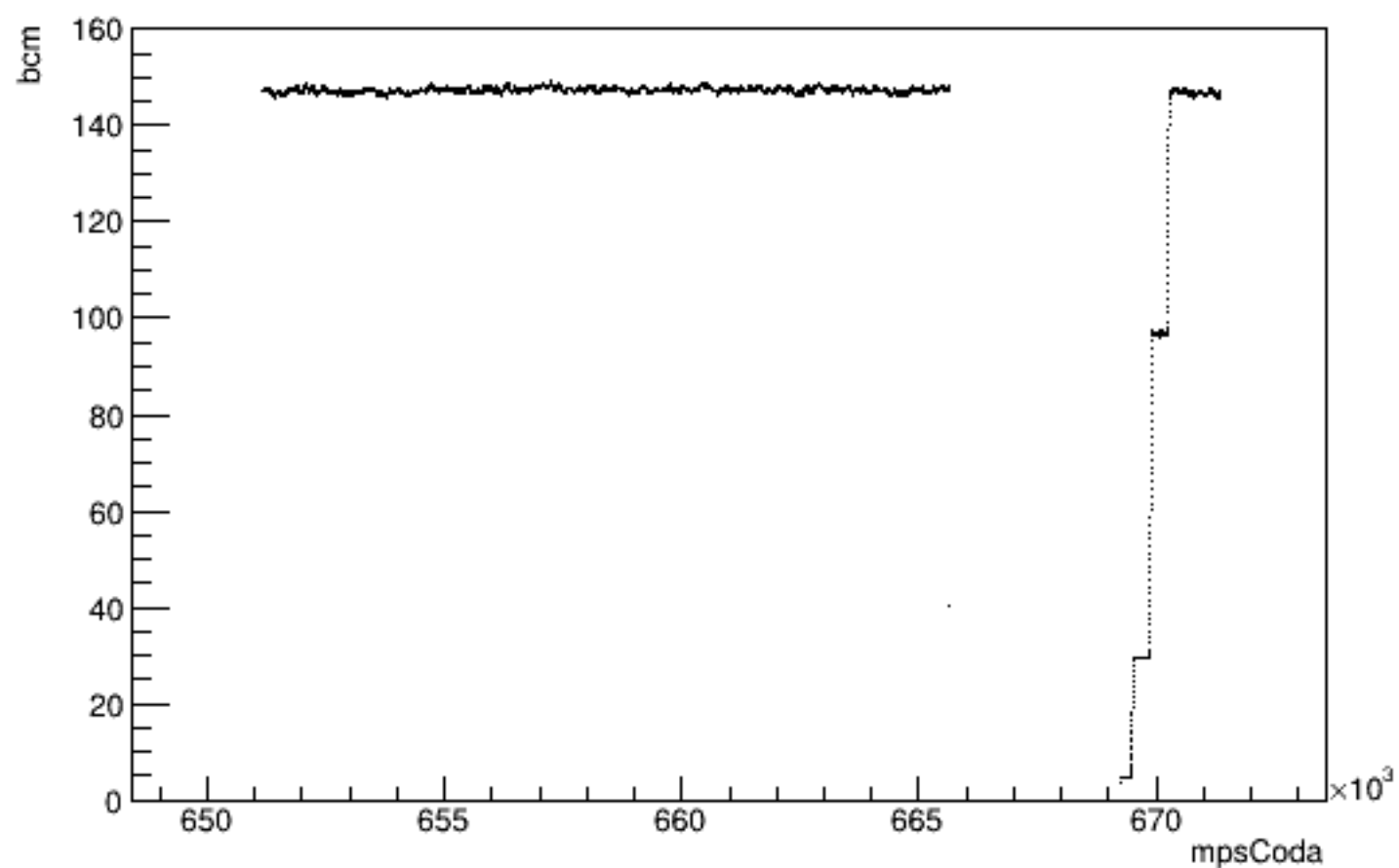
beamState + 1:mpsCoda {mpsCoda>=651170 && mpsCoda<=671365}



cavPowerCalibrated:mpsCoda {mpsCoda>=651170 && mpsCoda<=671365}



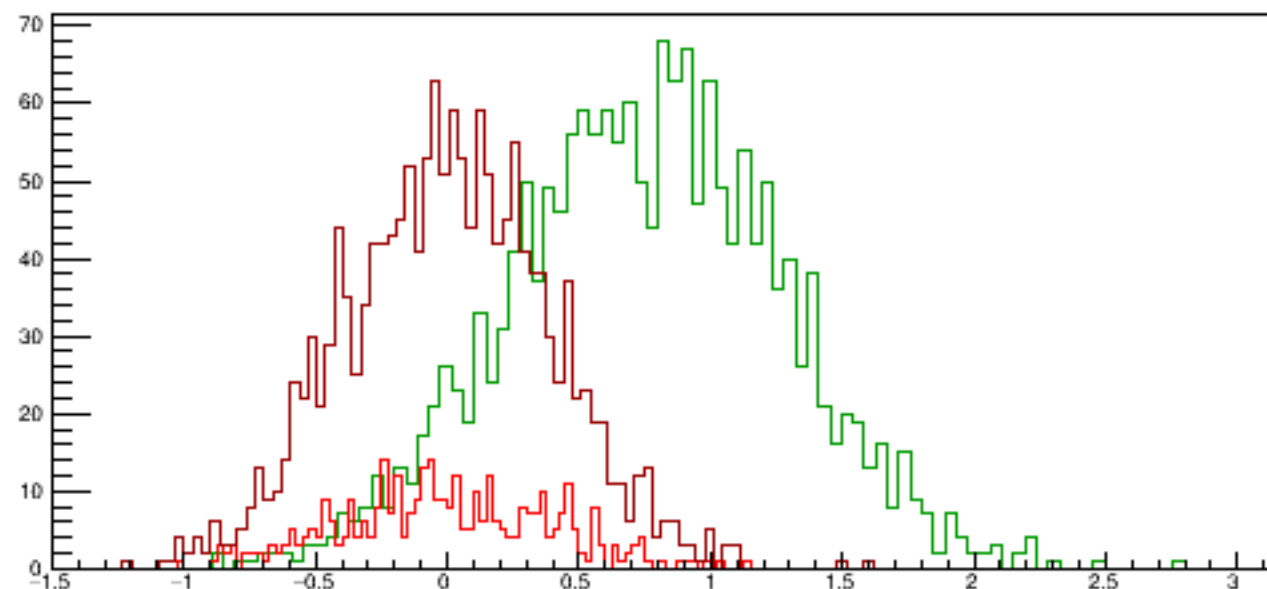
bcm:mpsCoda {mpsCoda>=651170 && mpsCoda<=671365}



Cycle 31, Diffs

Entries: 373	Entries: 1800	Entries: 1570
Mean: -0.0083 +/- 0.0206	Mean: 0.7533 +/- 0.0123	Mean: 0.0076 +/- 0.0098
Std Dev: 0.3970 +/- 0.0145	Std Dev: 0.5206 +/- 0.0087	Std Dev: 0.3893 +/- 0.0069

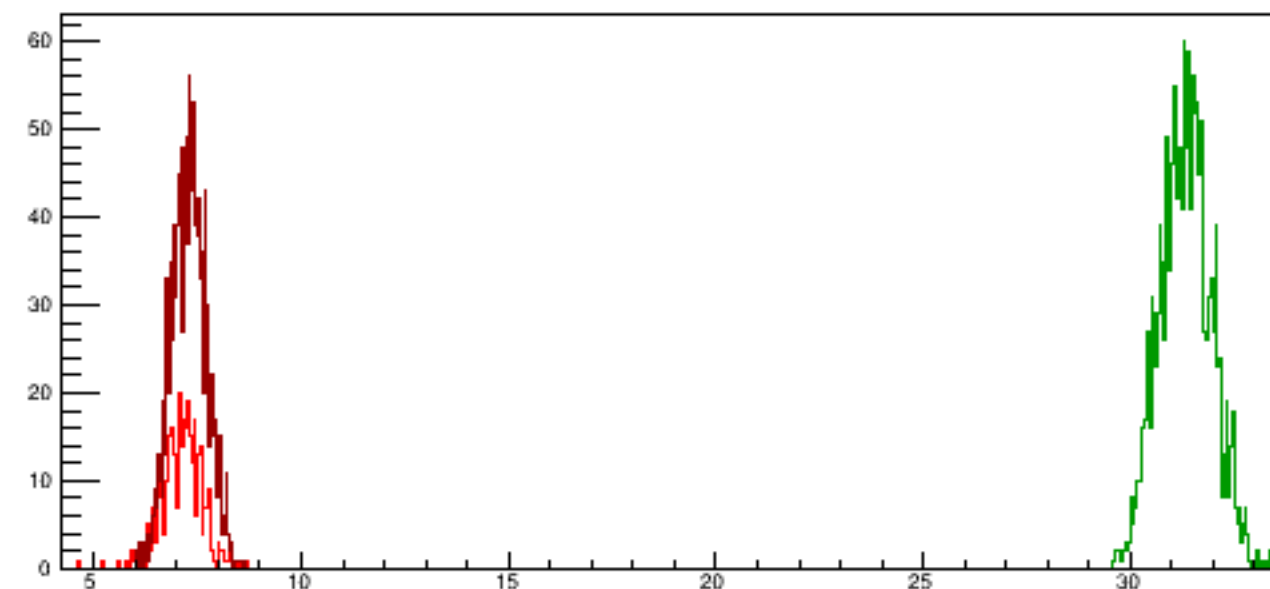
Run 6086 quartetwise, Diffs



Cycle 31, Sums

Entries: 373	Entries: 1800	Entries: 1570
Mean: 7.1133 +/- 0.0267	Mean: 31.3305 +/- 0.0145	Mean: 7.2884 +/- 0.0106
Std Dev: 0.5165 +/- 0.0189	Std Dev: 0.6146 +/- 0.0102	Std Dev: 0.4199 +/- 0.0075

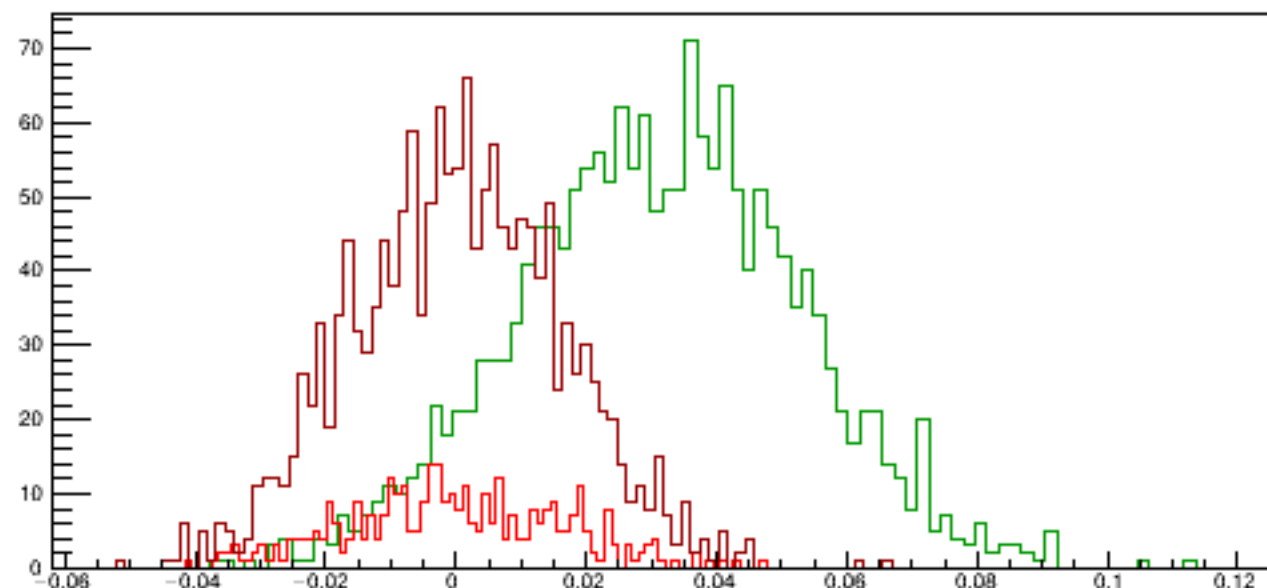
Run 6086 quartetwise, Sums



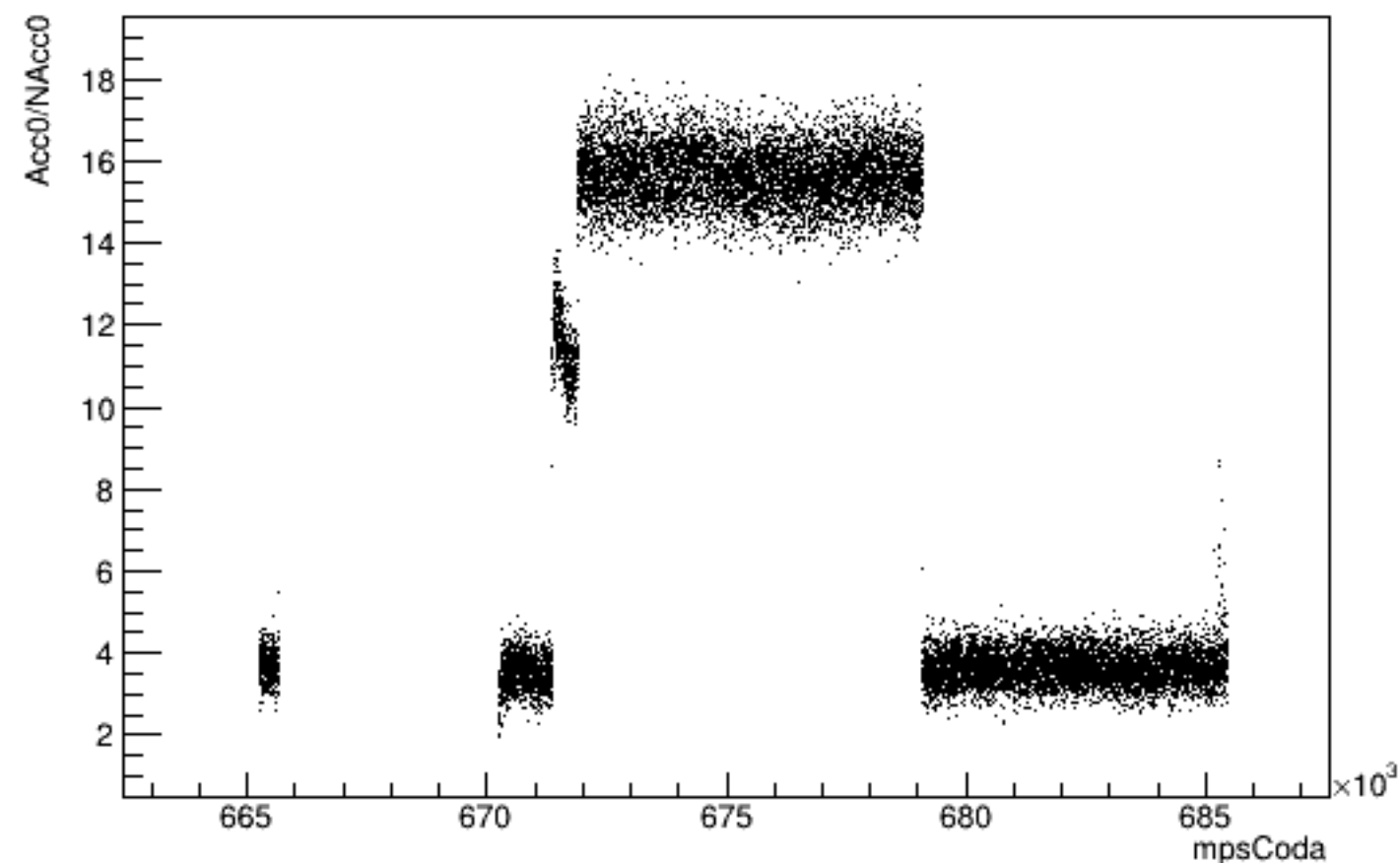
Cycle 31, Asyms

Entries: 373	Entries: 1800	Entries: 1570
Mean: -0.0003 +/- 0.0009	Mean: 0.0312 +/- 0.0005	Mean: 0.0003 +/- 0.0004
Std Dev: 0.0165 +/- 0.0006	Std Dev: 0.0216 +/- 0.0004	Std Dev: 0.0161 +/- 0.0003

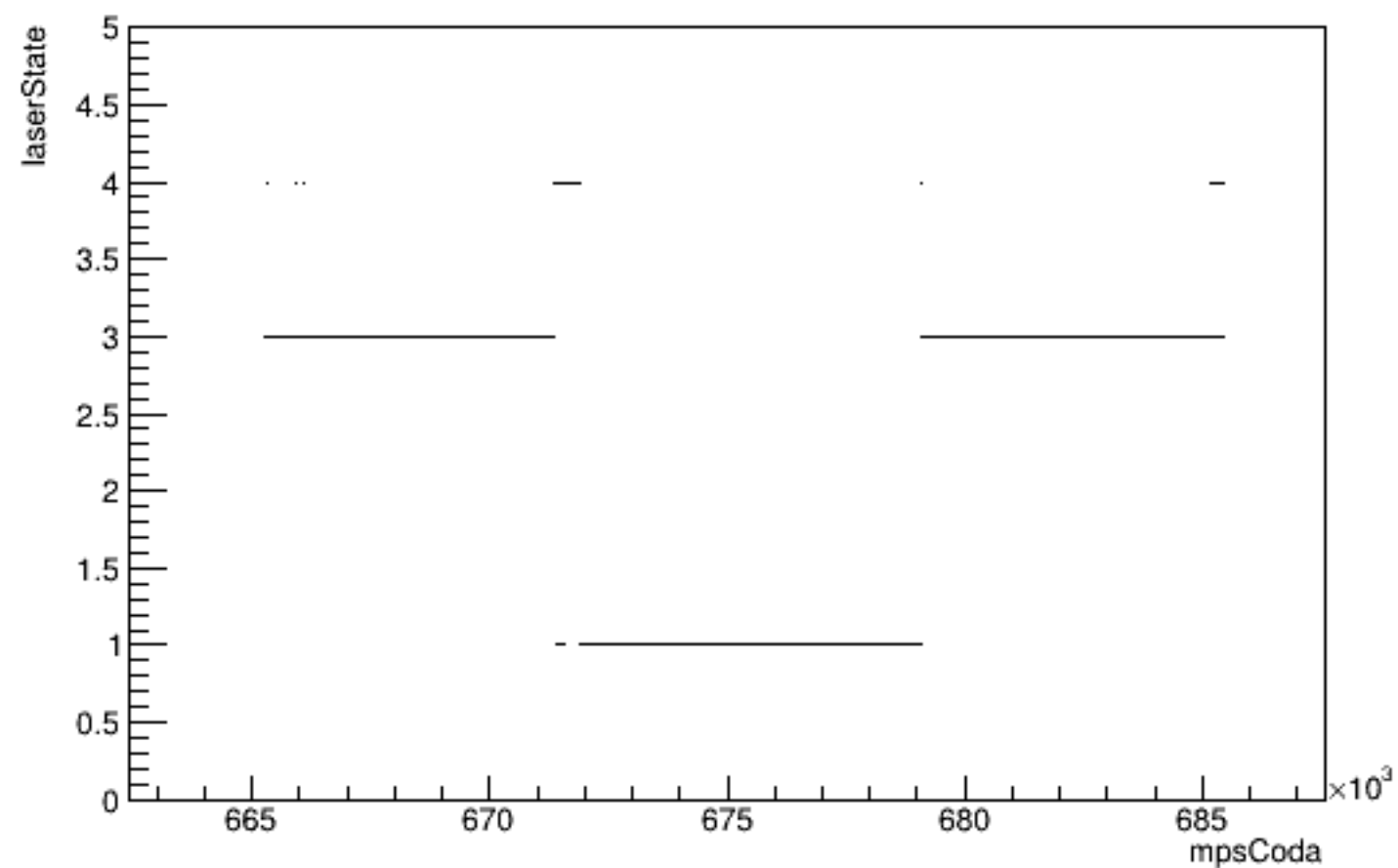
Run 6086 quartetwise, Asyms



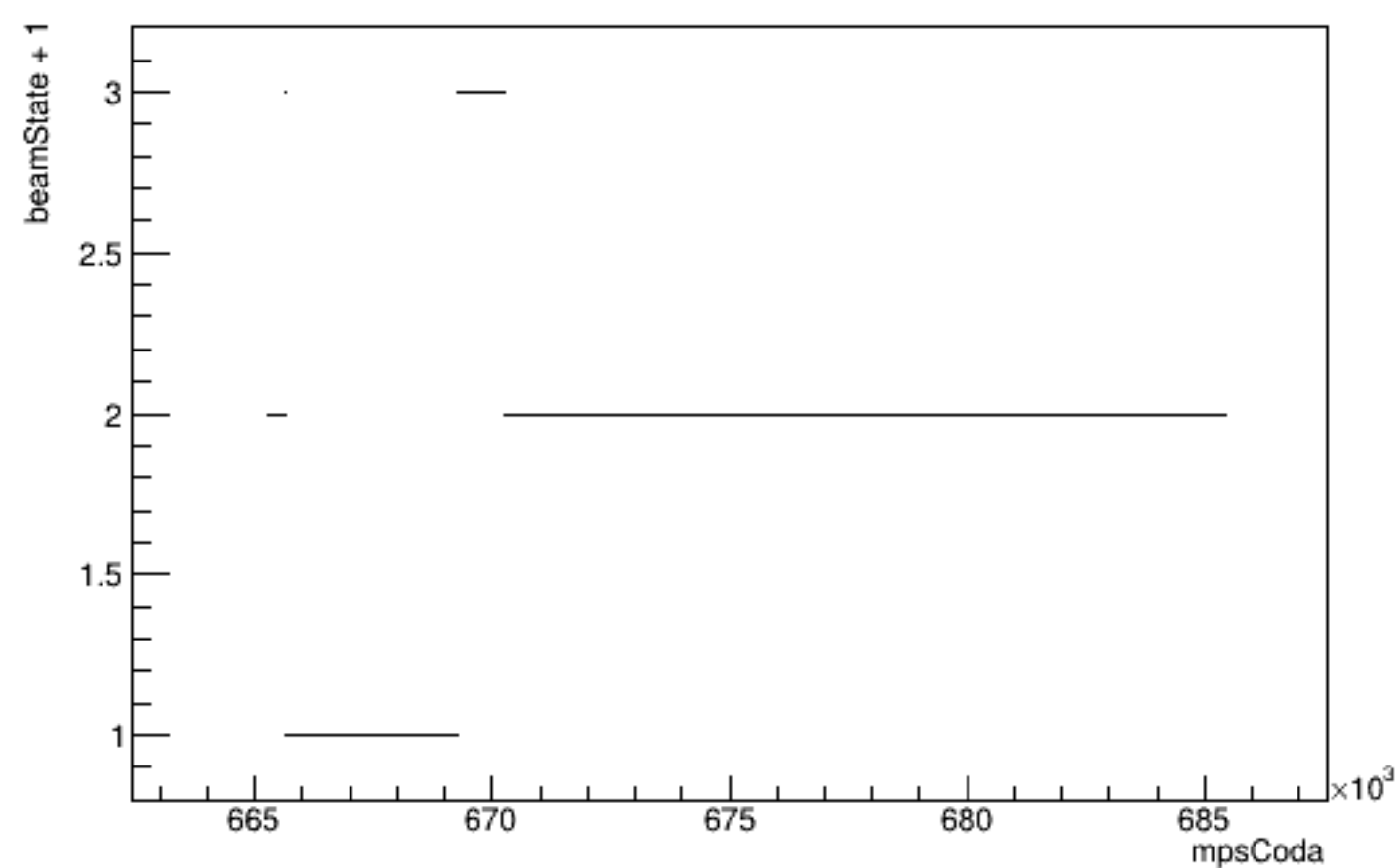
Acc0/NAcc0:mpsCoda (mpsCoda>=665258 && mpsCoda<=685461 && beamState==1)



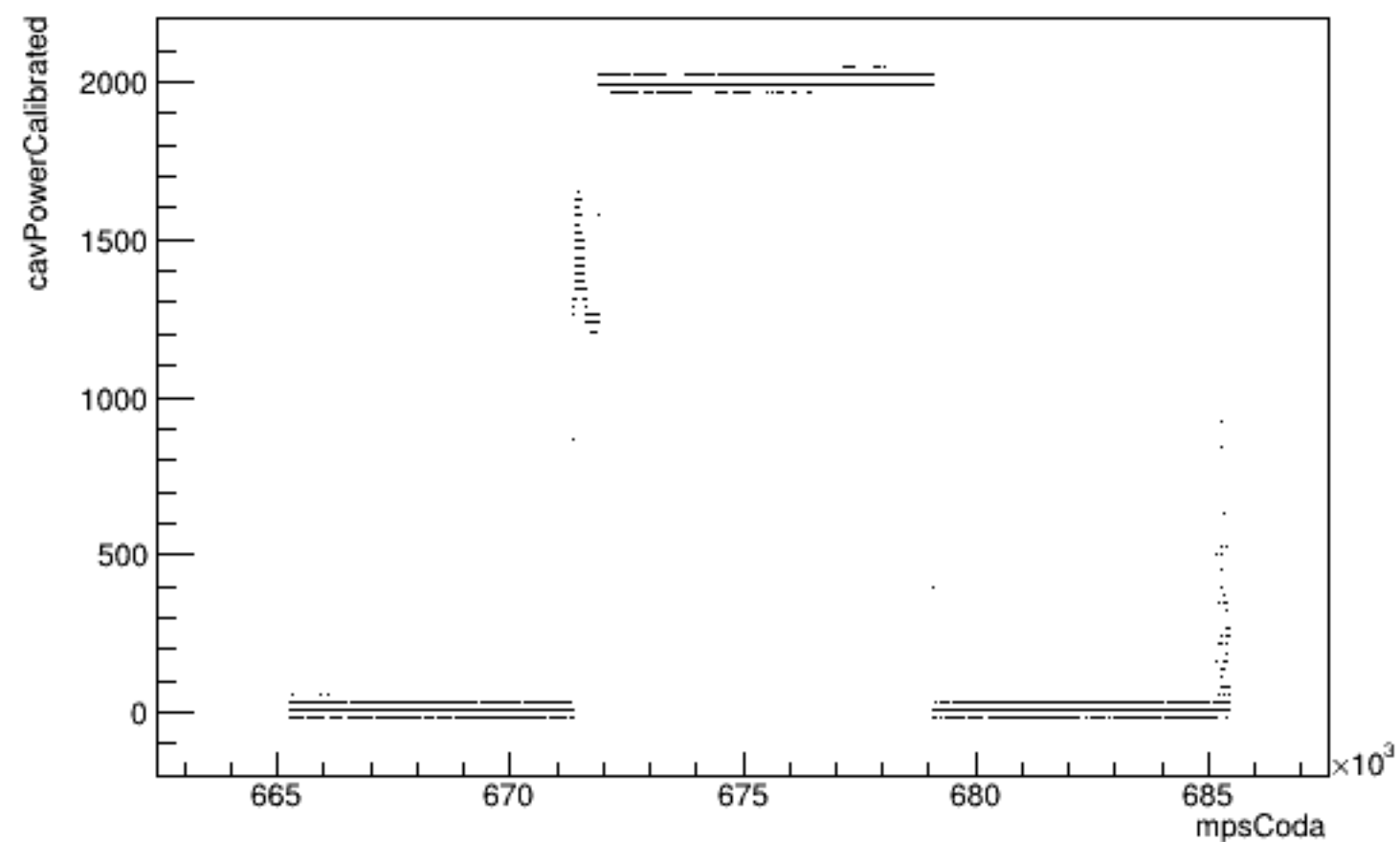
laserState:mpsCoda {mpsCoda>=665258 && mpsCoda<=685461}



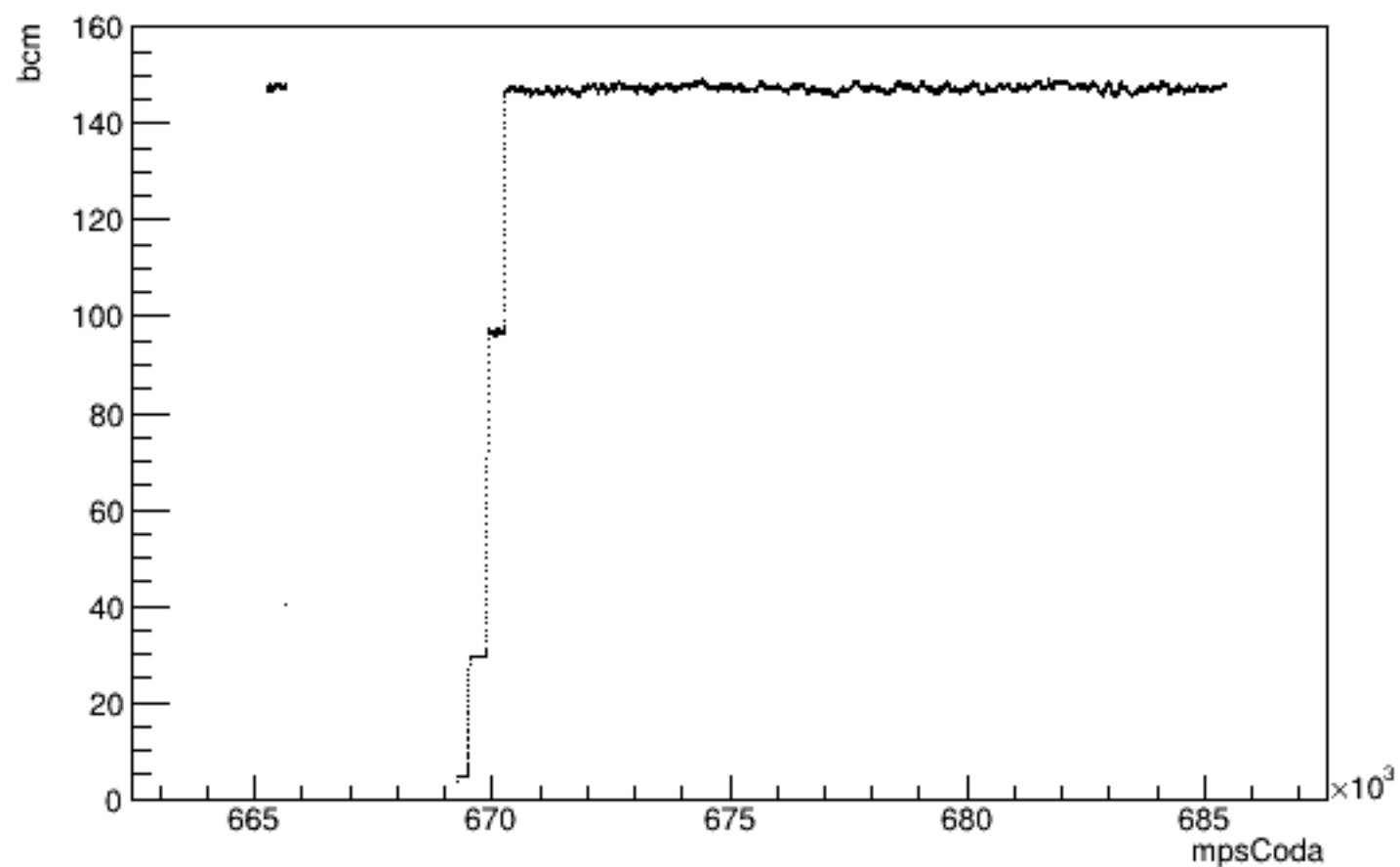
beamState + 1:mpsCoda {mpsCoda>=665258 && mpsCoda<=685461}



cavPowerCalibrated:mpsCoda {mpsCoda>=665258 && mpsCoda<=685461}



bcm:mpsCoda {mpsCoda>=665258 && mpsCoda<=685461}



Cycle 32, Diffs

Entries: 1570

Mean: 0.0076 +/- 0.0098

Std Dev: 0.3893 +/- 0.0069

Entries: 1801

Mean: 0.7543 +/- 0.0122

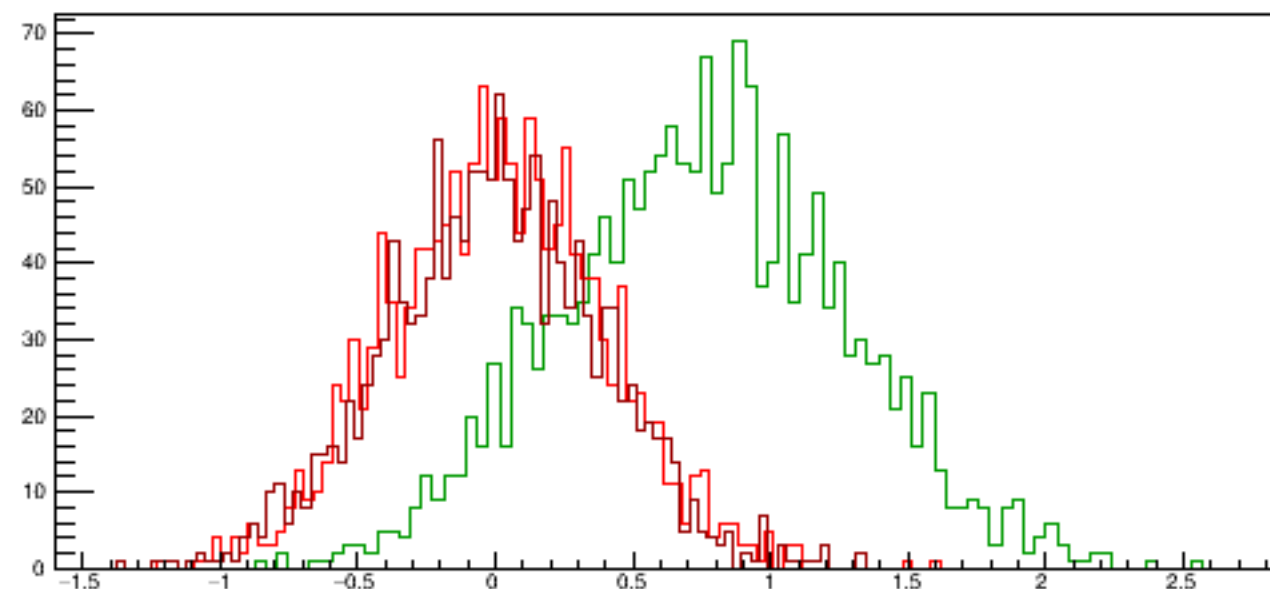
Std Dev: 0.5181 +/- 0.0086

Entries: 1535

Mean: -0.0056 +/- 0.0101

Std Dev: 0.3938 +/- 0.0071

Run 6086 quartetwise, Diffs



Cycle 32, Sums

Entries: 1570

Mean: 7.2884 +/- 0.0106

Std Dev: 0.4199 +/- 0.0075

Entries: 1801

Mean: 31.4932 +/- 0.0141

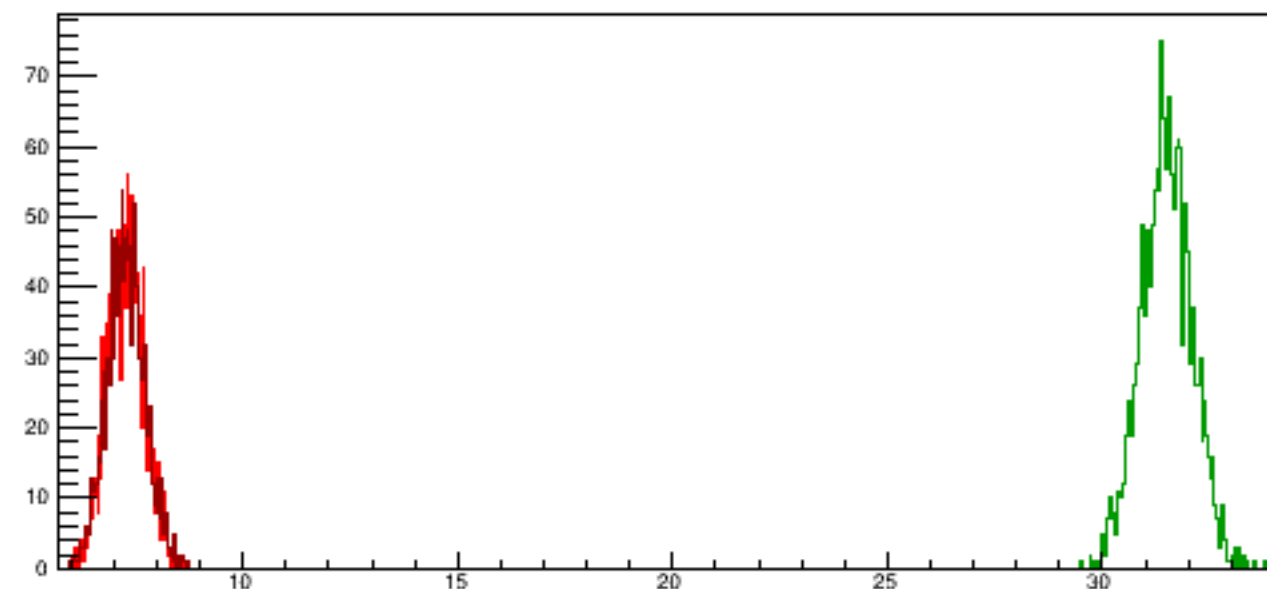
Std Dev: 0.5971 +/- 0.0099

Entries: 1535

Mean: 7.2862 +/- 0.0112

Std Dev: 0.4395 +/- 0.0079

Run 6086 quartetwise, Sums



Cycle 32, Asyms

Entries: 1570

Mean: 0.0003 +/- 0.0004

Std Dev: 0.0161 +/- 0.0003

Entries: 1801

Mean: 0.0312 +/- 0.0005

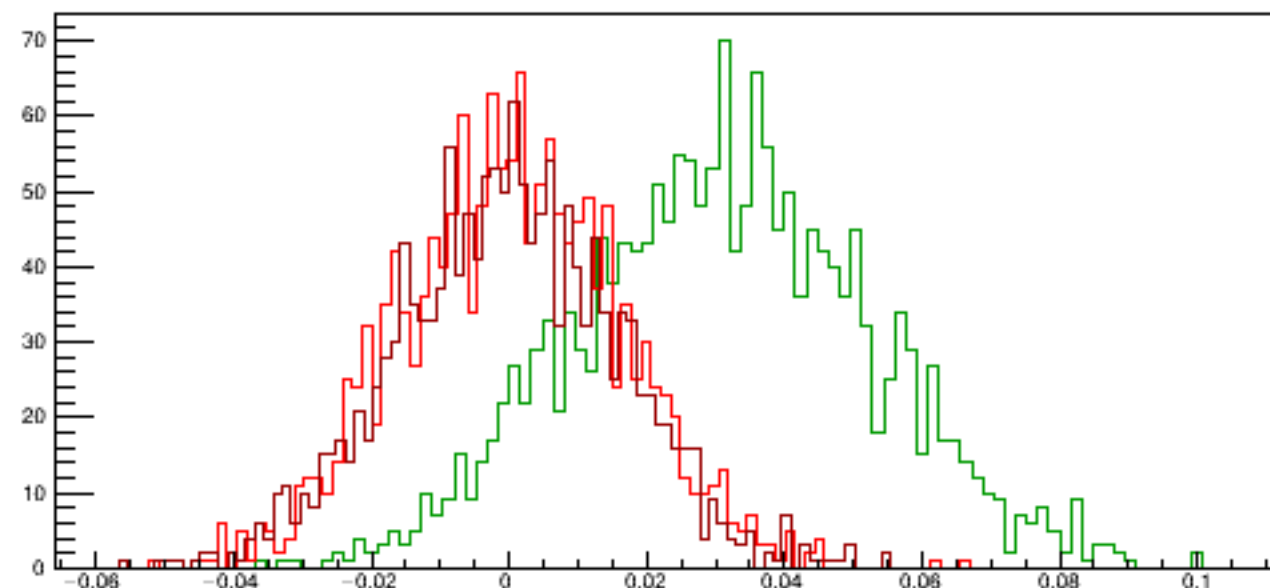
Std Dev: 0.0214 +/- 0.0004

Entries: 1535

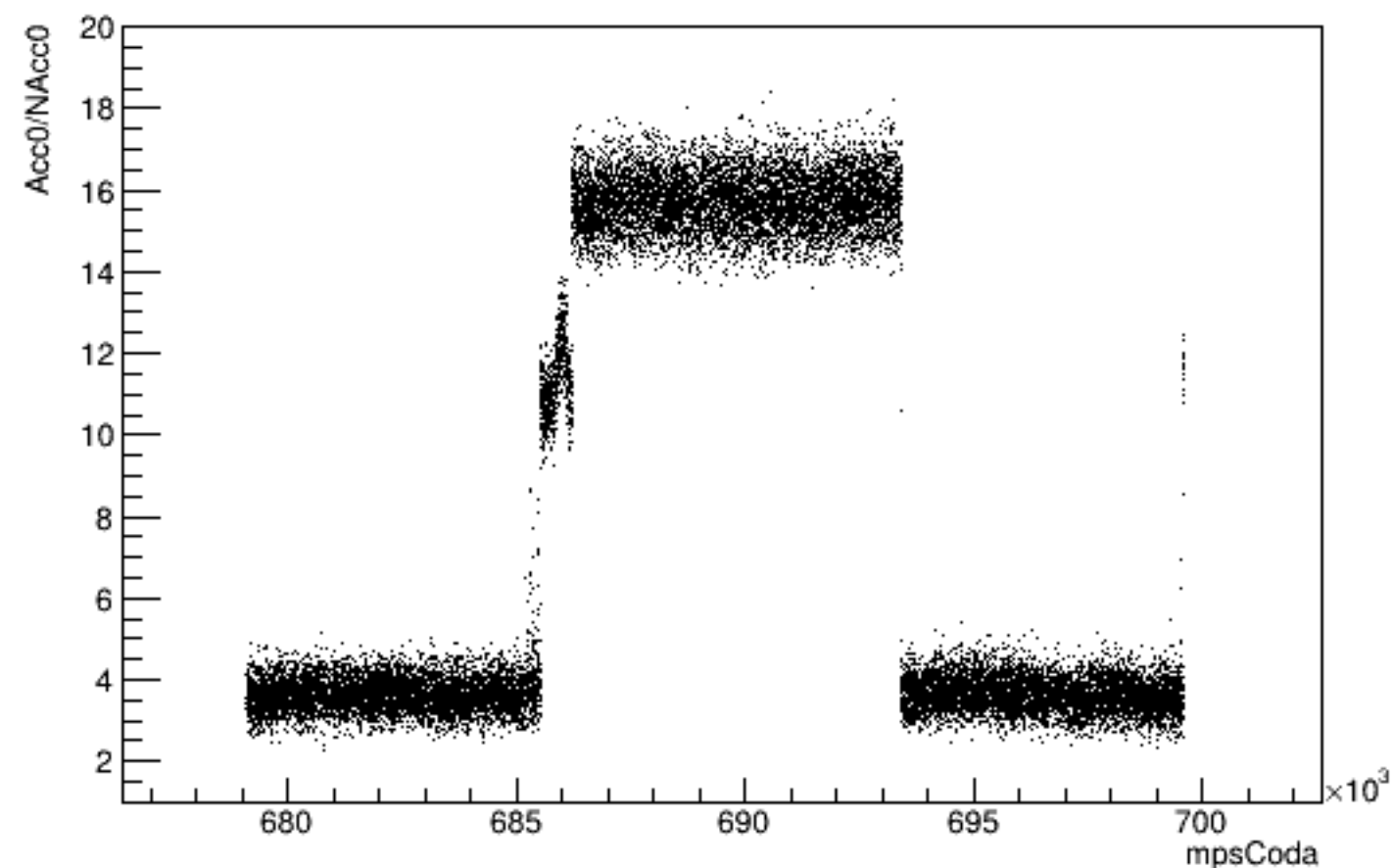
Mean: -0.0002 +/- 0.0004

Std Dev: 0.0163 +/- 0.0003

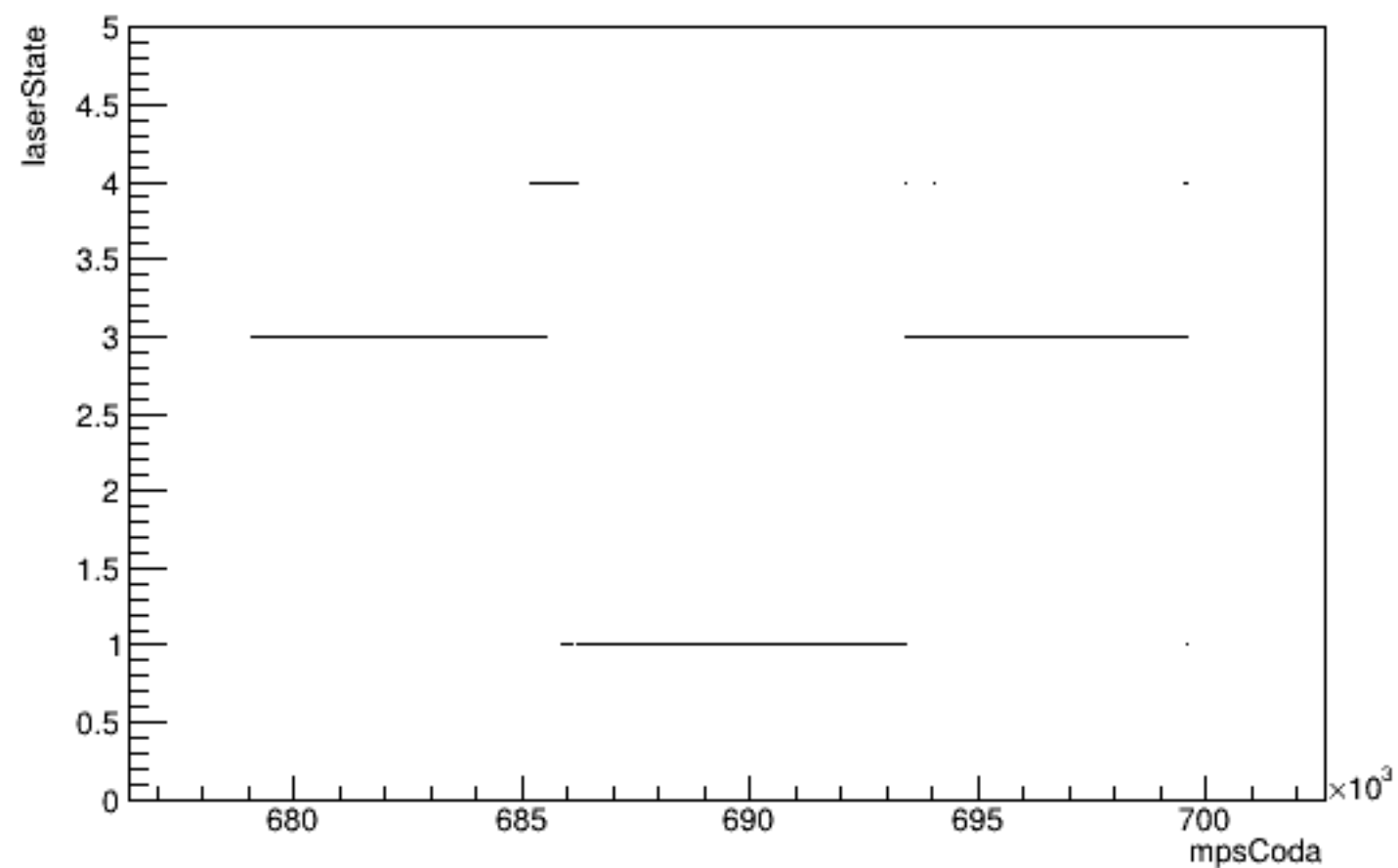
Run 6086 quartetwise, Asyms



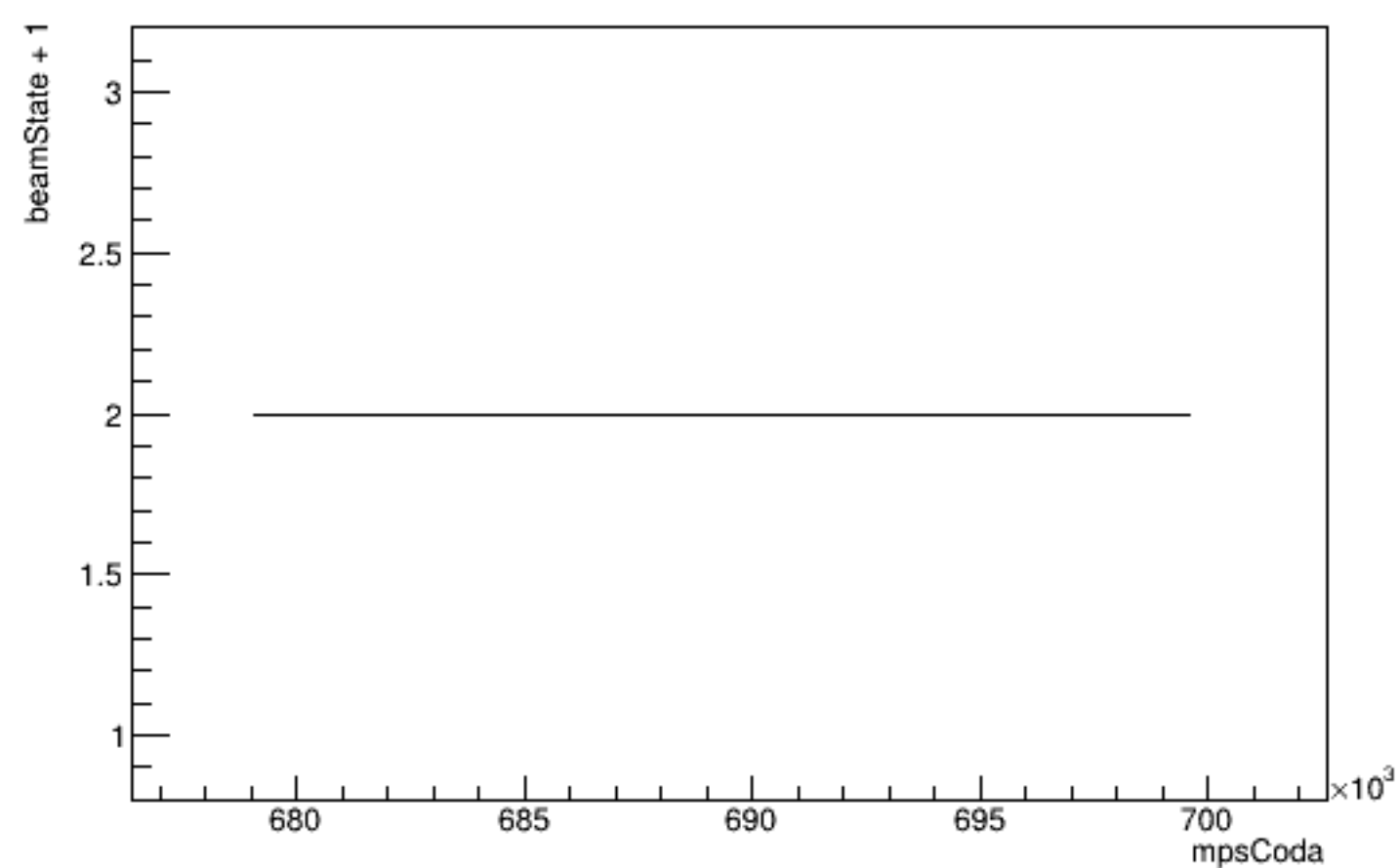
Acc0/NAcc0:mpsCoda (mpsCoda>=679094 && mpsCoda<=699593 && beamState==1)



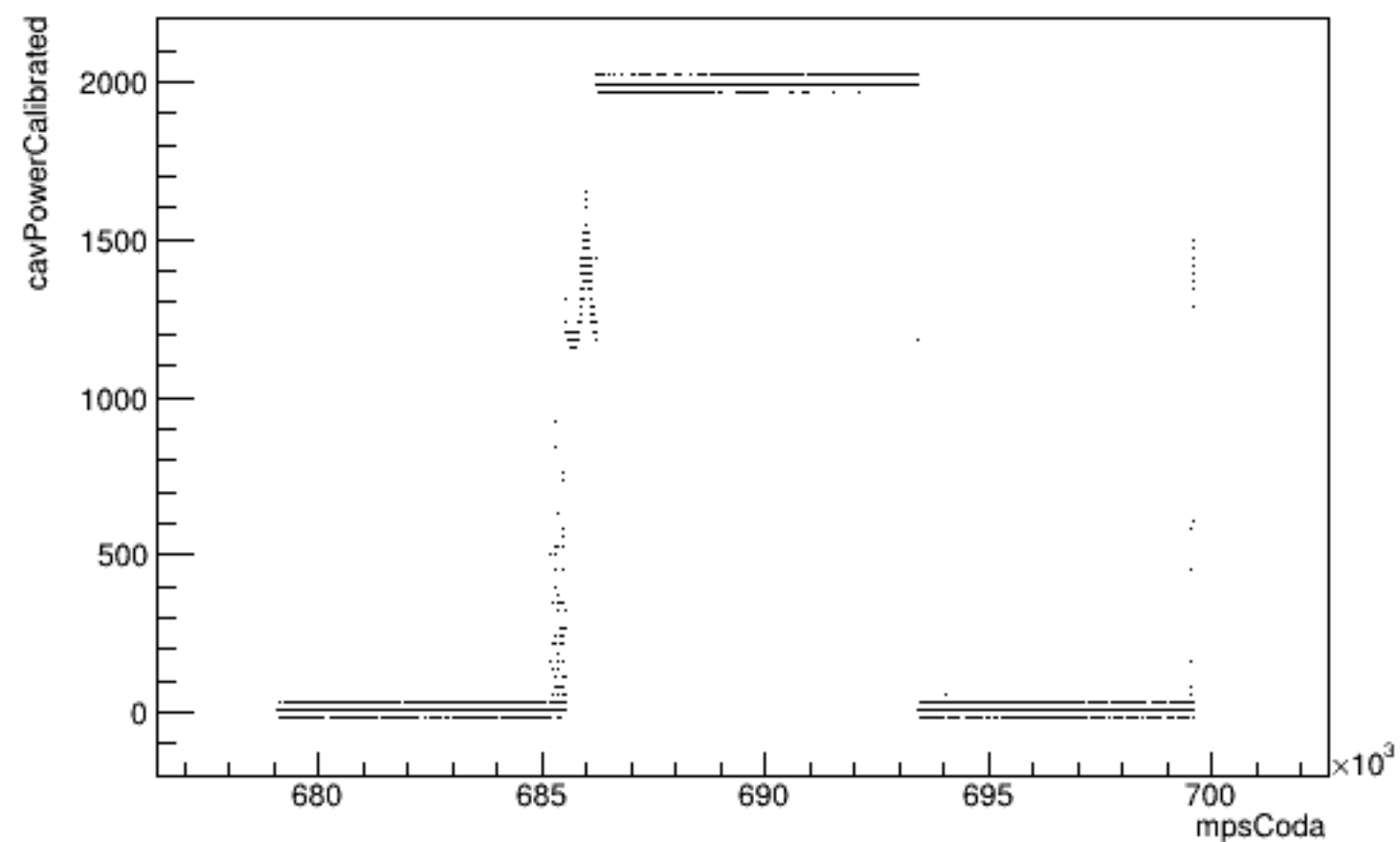
laserState:mpsCoda {mpsCoda>=679094 && mpsCoda<=699593}



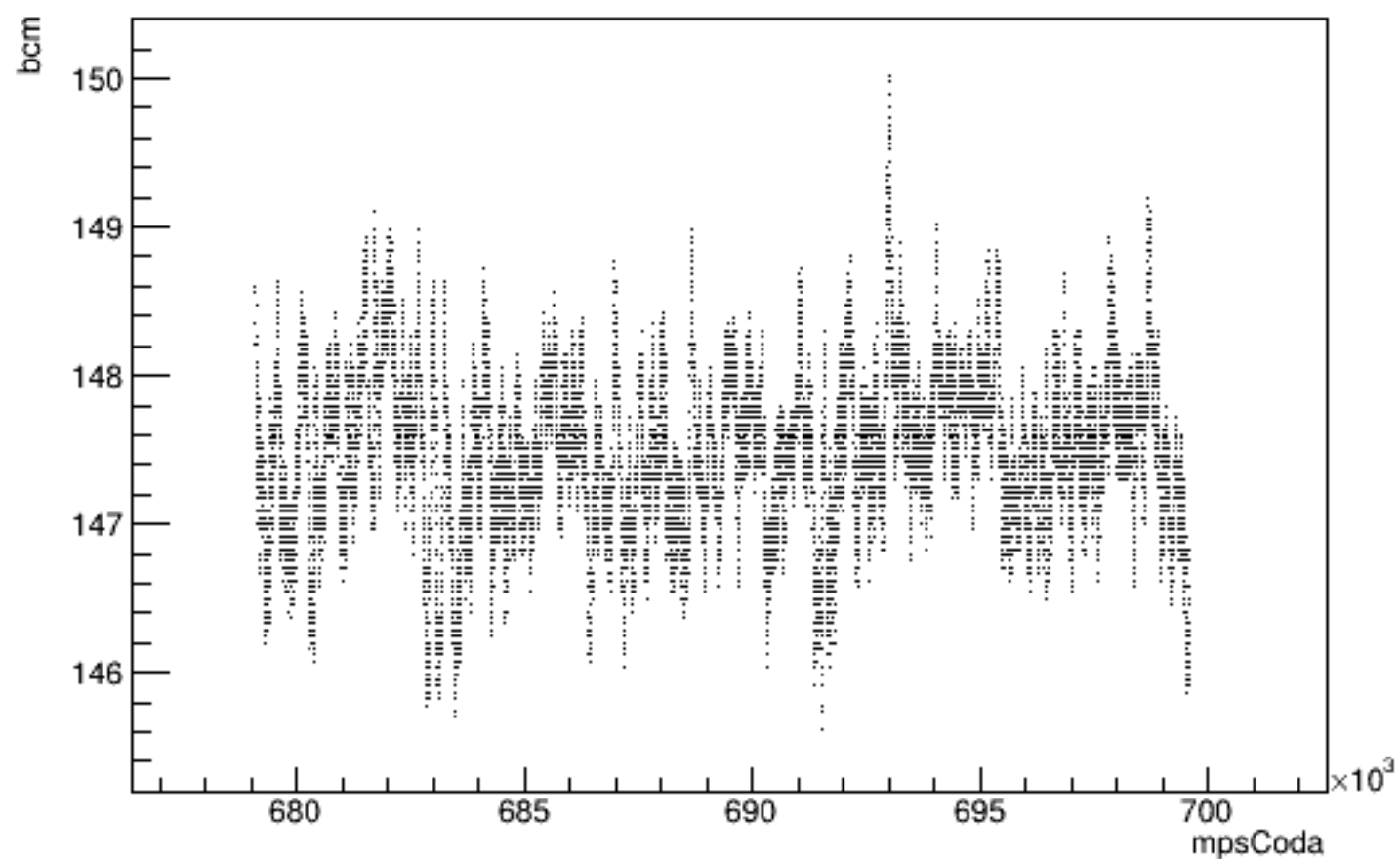
beamState + 1:mpsCoda {mpsCoda>=679094 && mpsCoda<=699593}



cavPowerCalibrated:mpsCoda {mpsCoda>=679094 && mpsCoda<=699593}



bcm:mpsCoda {mpsCoda>=679094 && mpsCoda<=699593}



Cycle 33, Diffs

Entries: 1528

Mean: -0.0129 +/- 0.0102

Std Dev: 0.3989 +/- 0.0072

Entries: 1801

Mean: 0.7400 +/- 0.0124

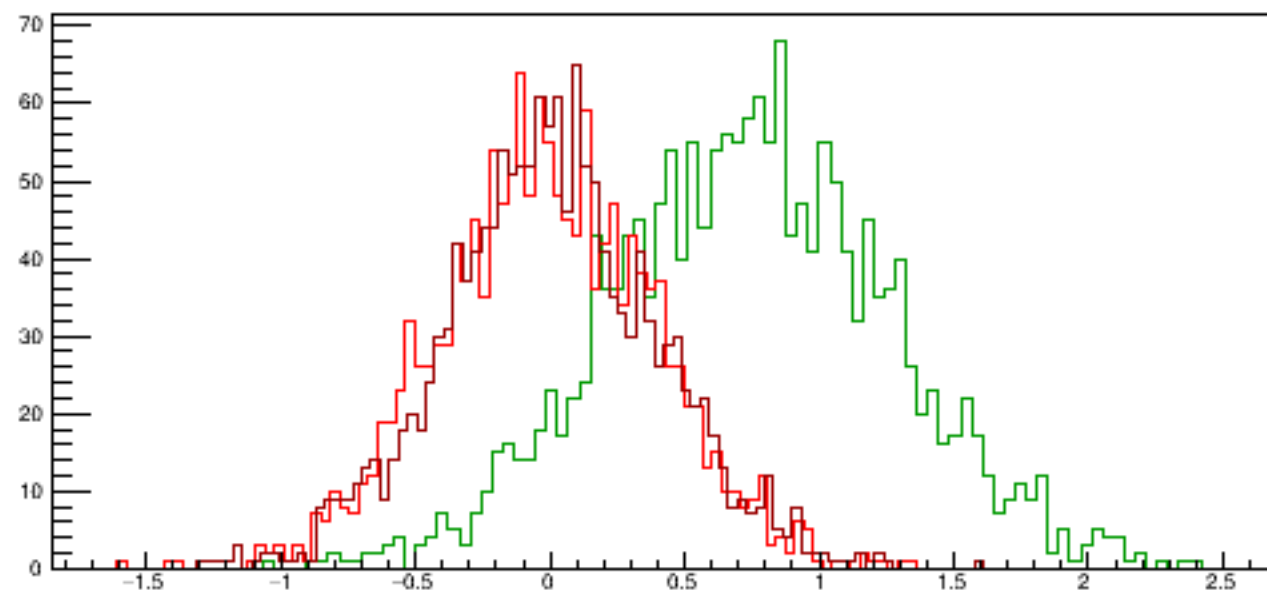
Std Dev: 0.5272 +/- 0.0088

Entries: 1532

Mean: 0.0059 +/- 0.0102

Std Dev: 0.3983 +/- 0.0072

Run 6086 quartetwise, Diffs



Cycle 33, Sums

Entries: 1528

Mean: 7.0322 +/- 0.0116

Std Dev: 0.4523 +/- 0.0082

Entries: 1801

Mean: 31.0542 +/- 0.0155

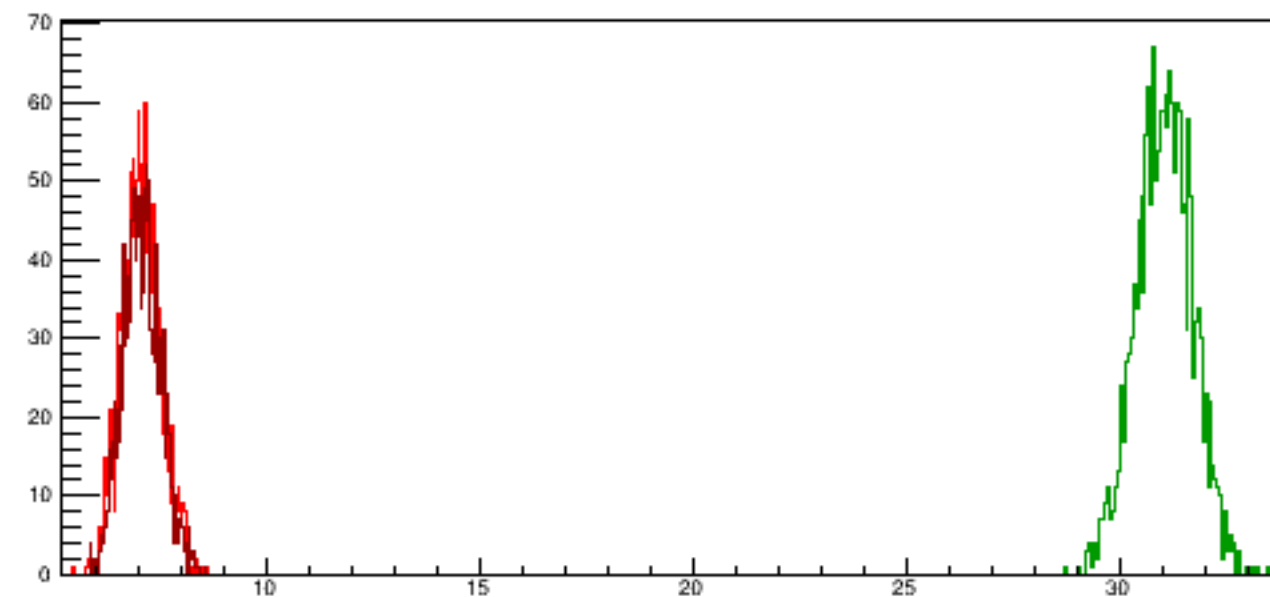
Std Dev: 0.6571 +/- 0.0109

Entries: 1532

Mean: 7.0480 +/- 0.0114

Std Dev: 0.4443 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 33, Asyms

Entries: 1528

Mean: -0.0005 +/- 0.0004

Std Dev: 0.0166 +/- 0.0003

Entries: 1801

Mean: 0.0308 +/- 0.0005

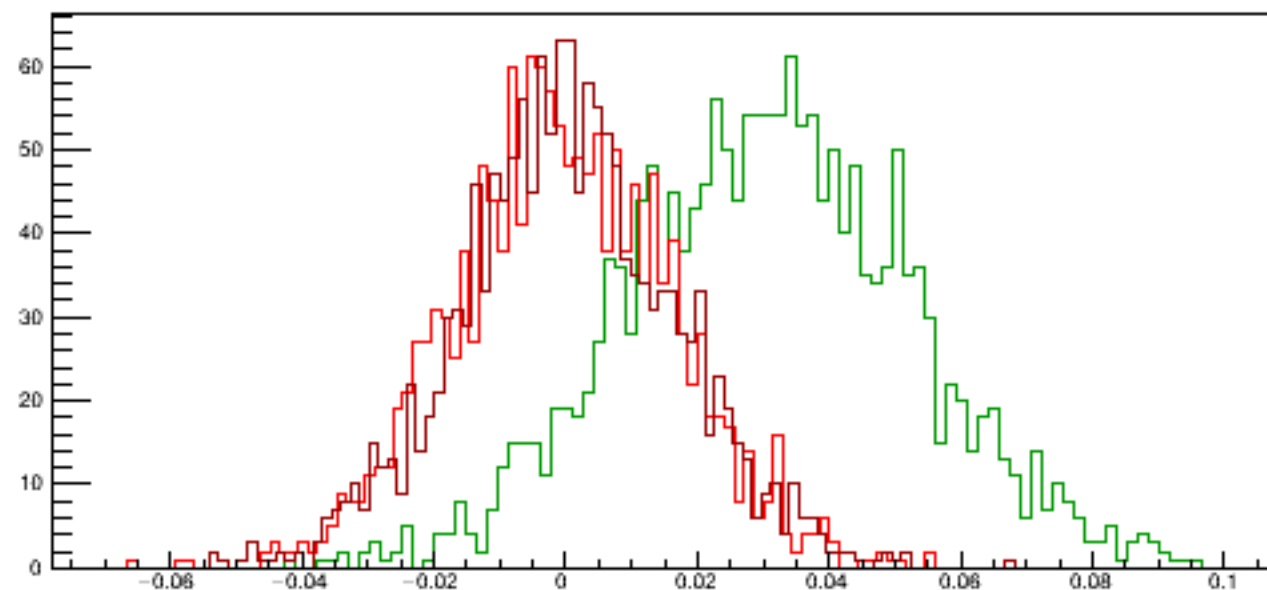
Std Dev: 0.0220 +/- 0.0004

Entries: 1532

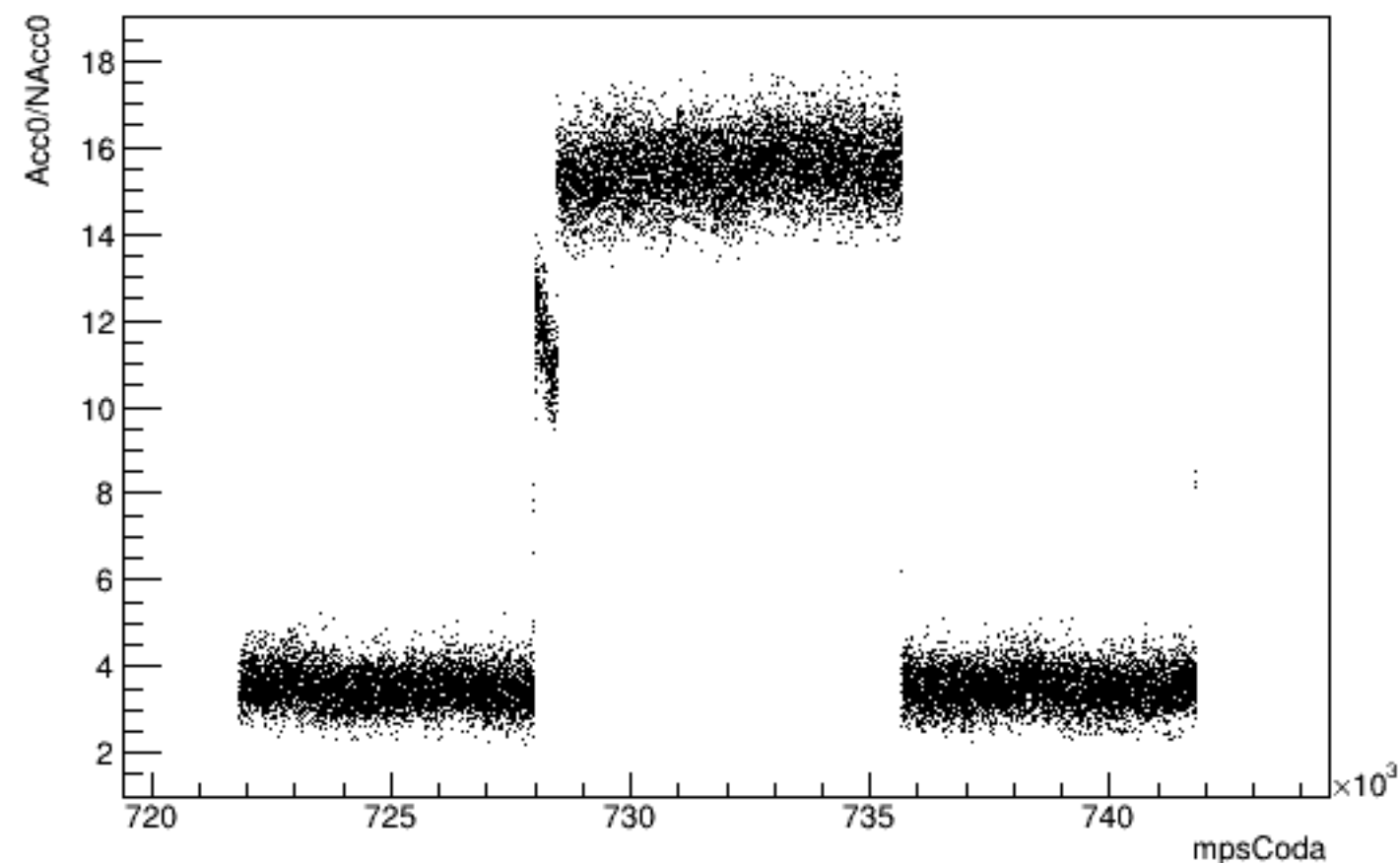
Mean: 0.0002 +/- 0.0004

Std Dev: 0.0166 +/- 0.0003

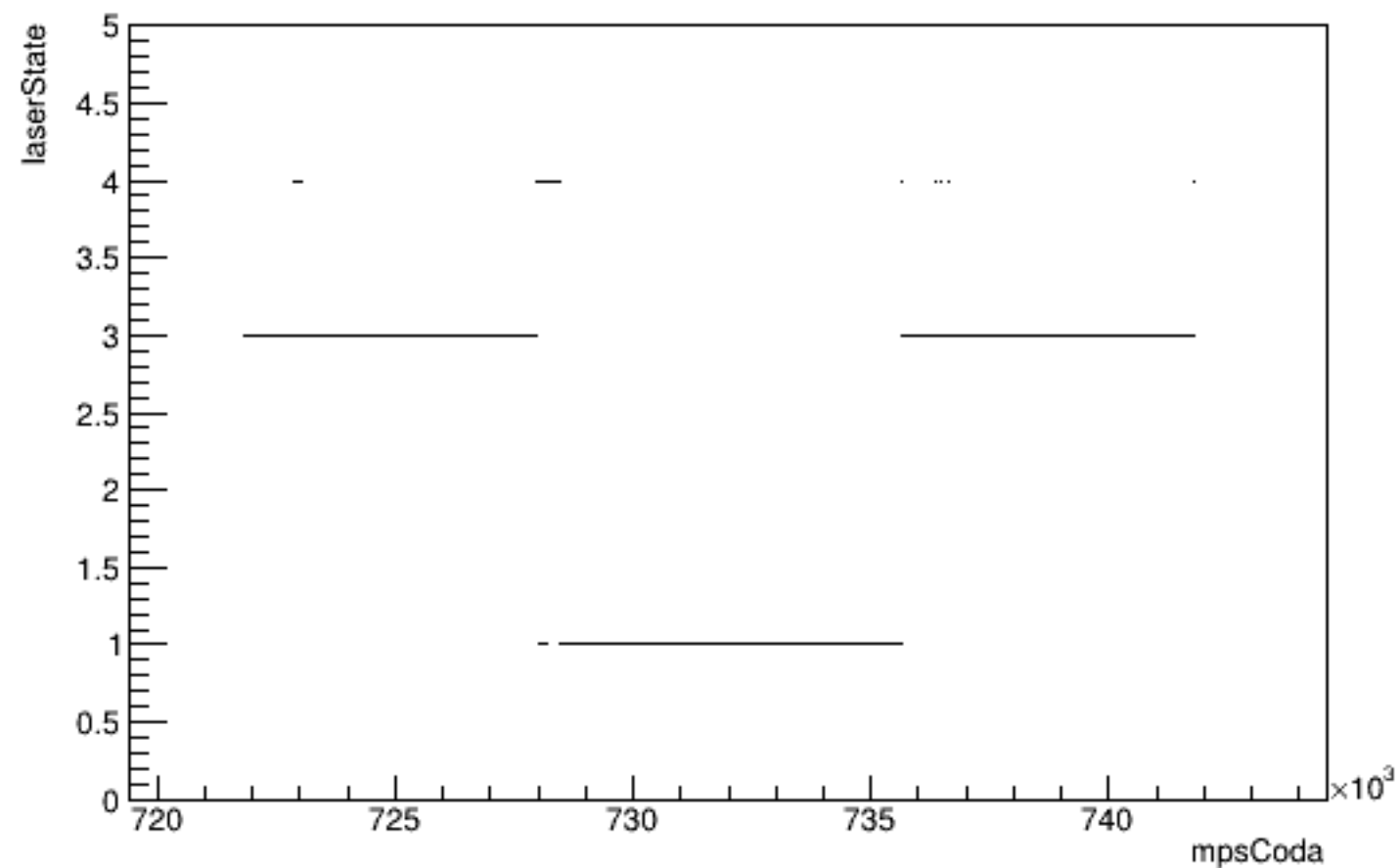
Run 6086 quartetwise, Asyms



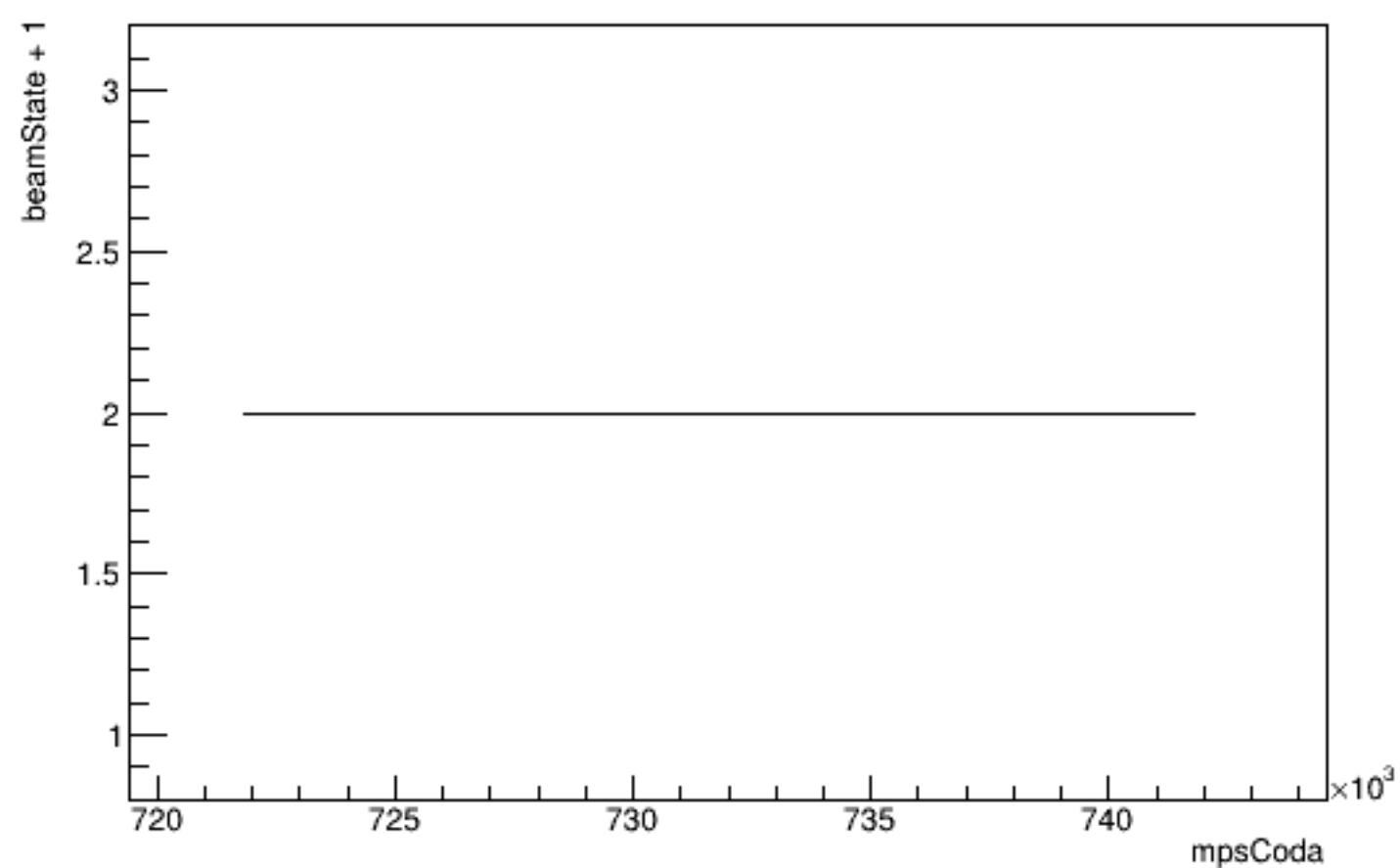
Acc0/NAcc0:mpsCoda (mpsCoda>=721830 && mpsCoda<=741817 && beamState==1)



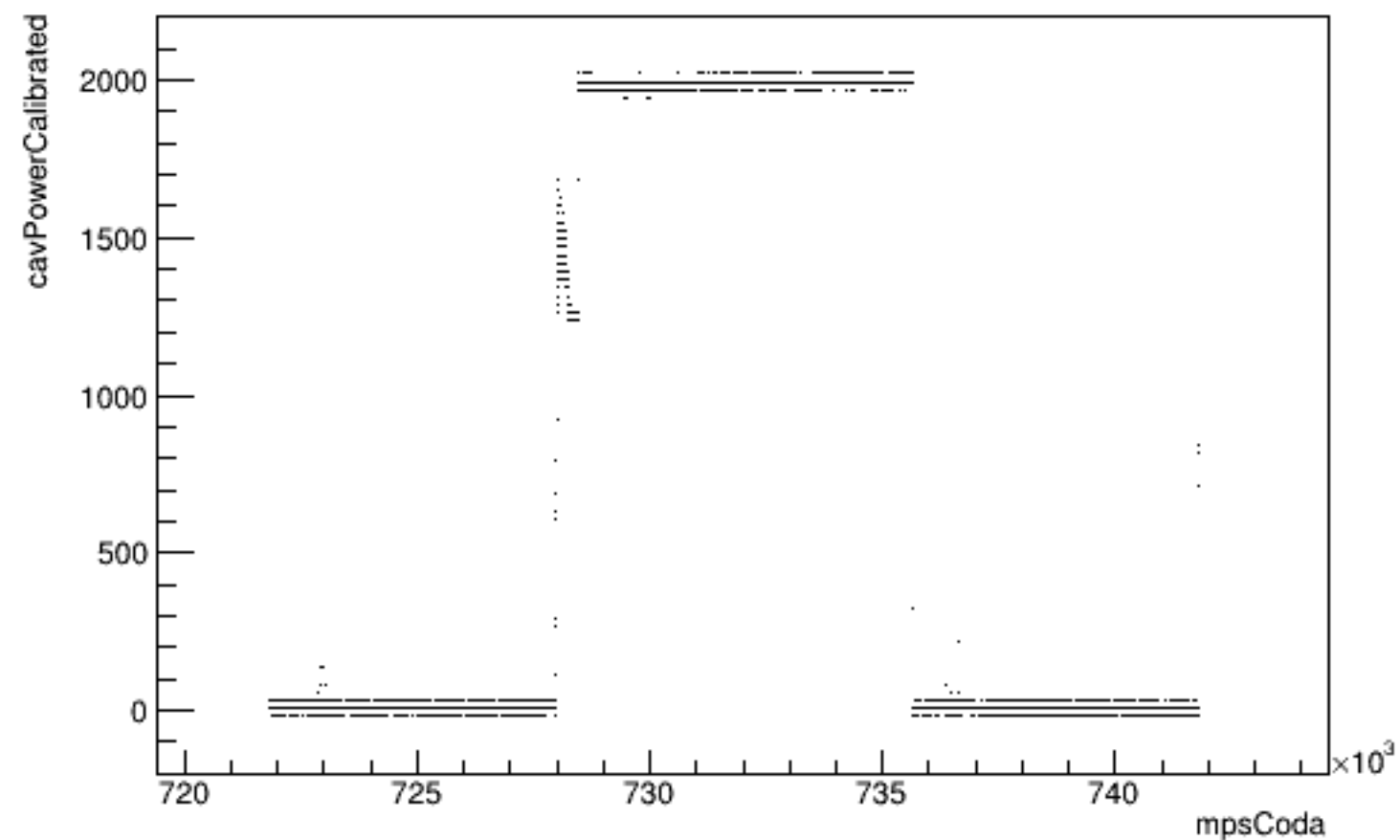
laserState:mpsCoda {mpsCoda>=721830 && mpsCoda<=741817}



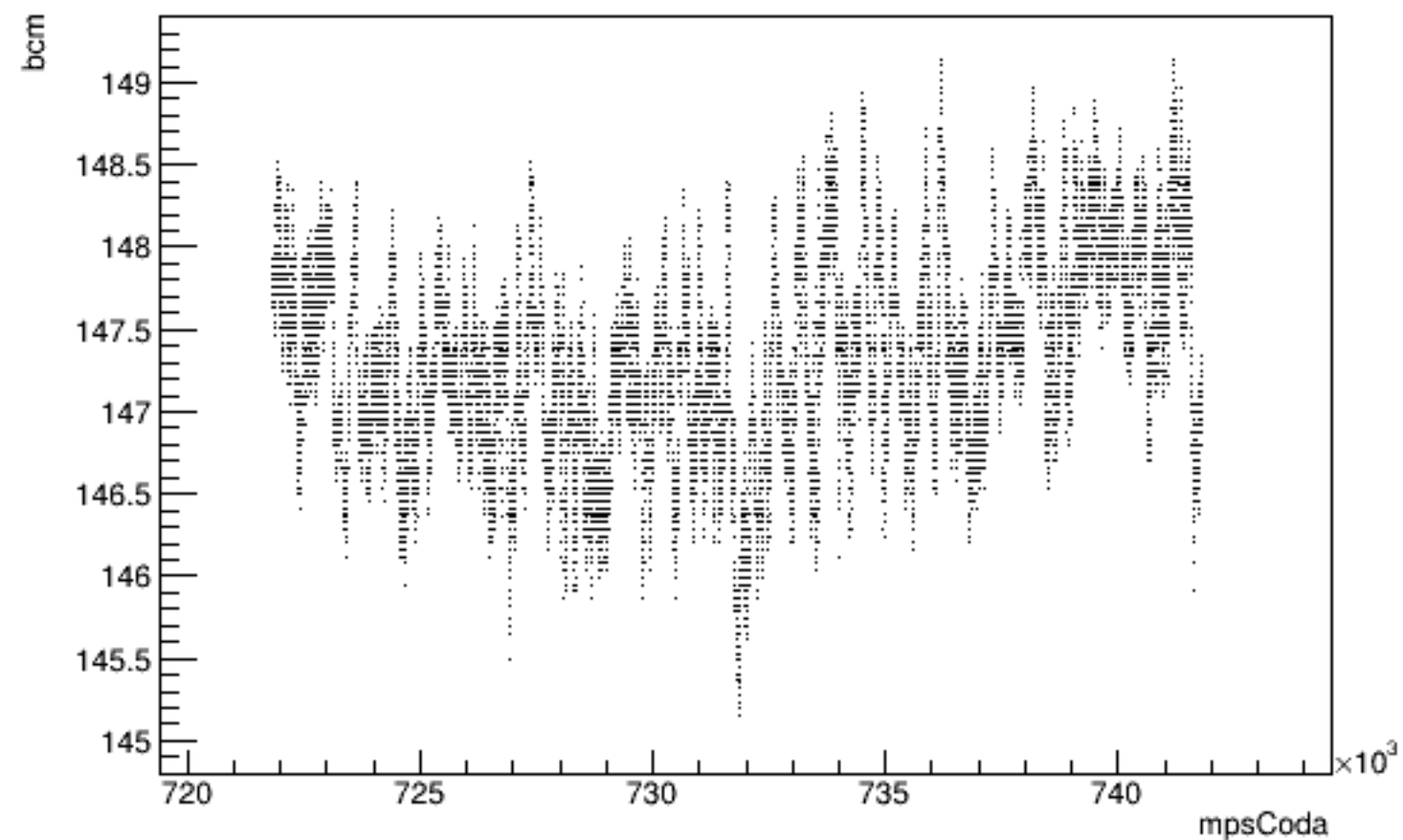
beamState + 1:mpsCoda {mpsCoda>=721830 && mpsCoda<=741817}



cavPowerCalibrated:mpsCoda {mpsCoda>=721830 && mpsCoda<=741817}



bcm:mpsCoda {mpsCoda>=721830 && mpsCoda<=741817}



Cycle 34, Diffs

Entries: 1532

Mean: 0.0059 +/- 0.0102

Std Dev: 0.3983 +/- 0.0072

Entries: 1803

Mean: 0.7522 +/- 0.0127

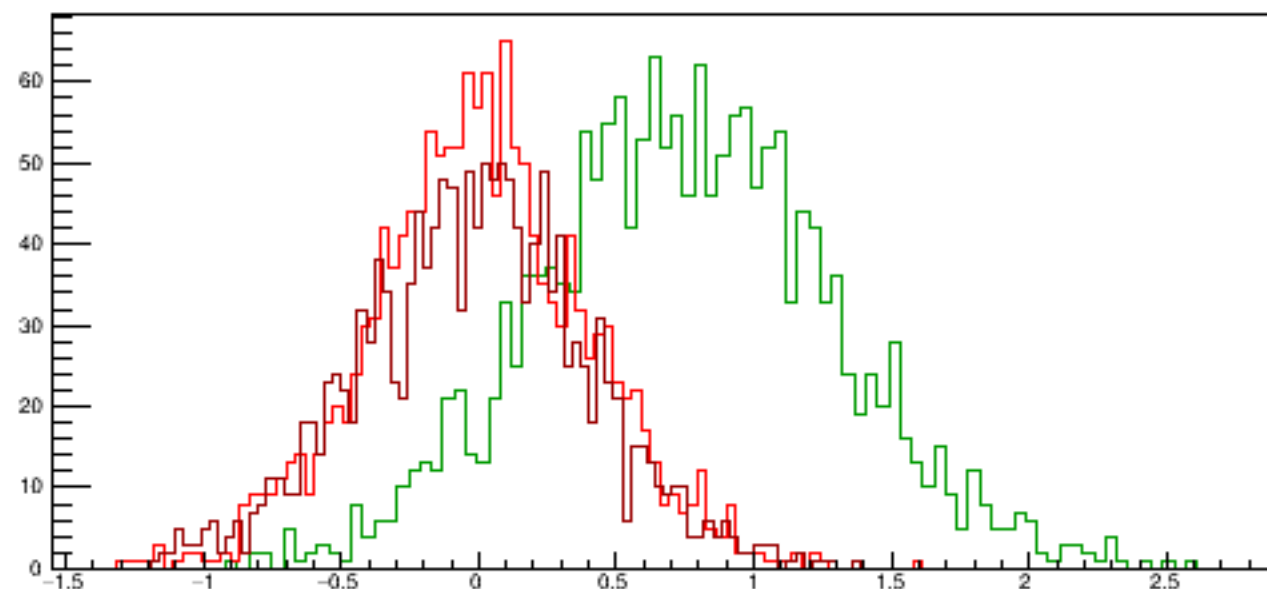
Std Dev: 0.5408 +/- 0.0090

Entries: 1527

Mean: -0.0164 +/- 0.0106

Std Dev: 0.4161 +/- 0.0075

Run 6086 quartetwise, Diffs



Cycle 34, Sums

Entries: 1532

Mean: 7.0480 +/- 0.0114

Std Dev: 0.4443 +/- 0.0080

Entries: 1803

Mean: 30.9521 +/- 0.0153

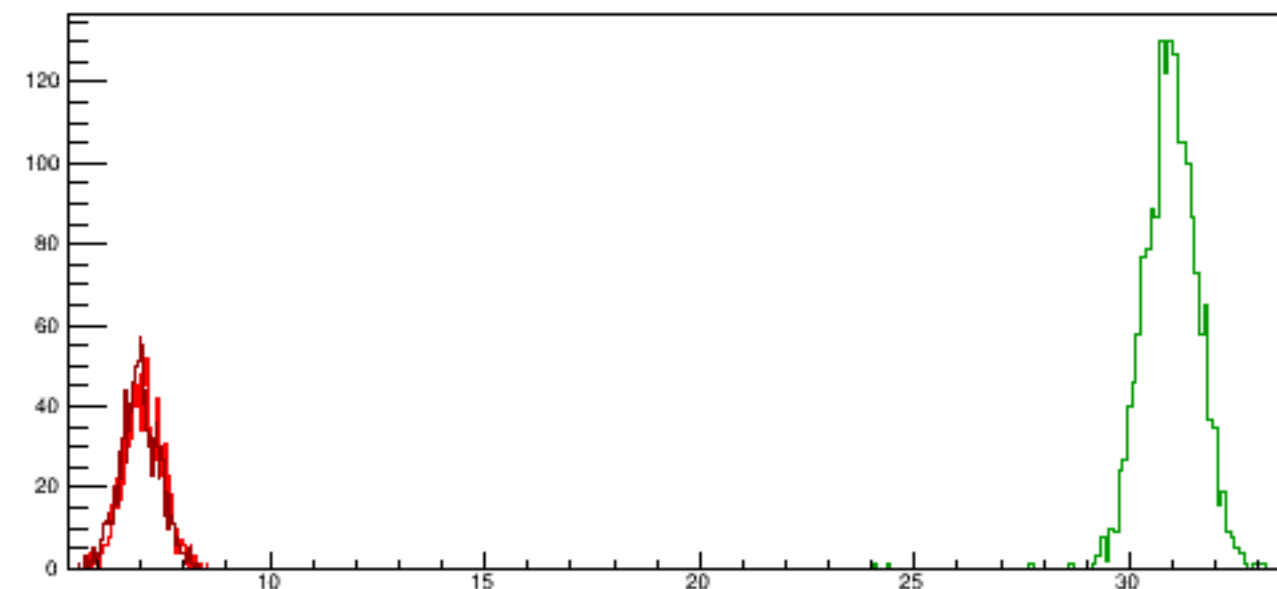
Std Dev: 0.6510 +/- 0.0108

Entries: 1527

Mean: 6.9752 +/- 0.0114

Std Dev: 0.4444 +/- 0.0080

Run 6086 quartetwise, Sums



Cycle 34, Asyms

Entries: 1532

Mean: 0.0002 +/- 0.0004

Std Dev: 0.0166 +/- 0.0003

Entries: 1803

Mean: 0.0314 +/- 0.0005

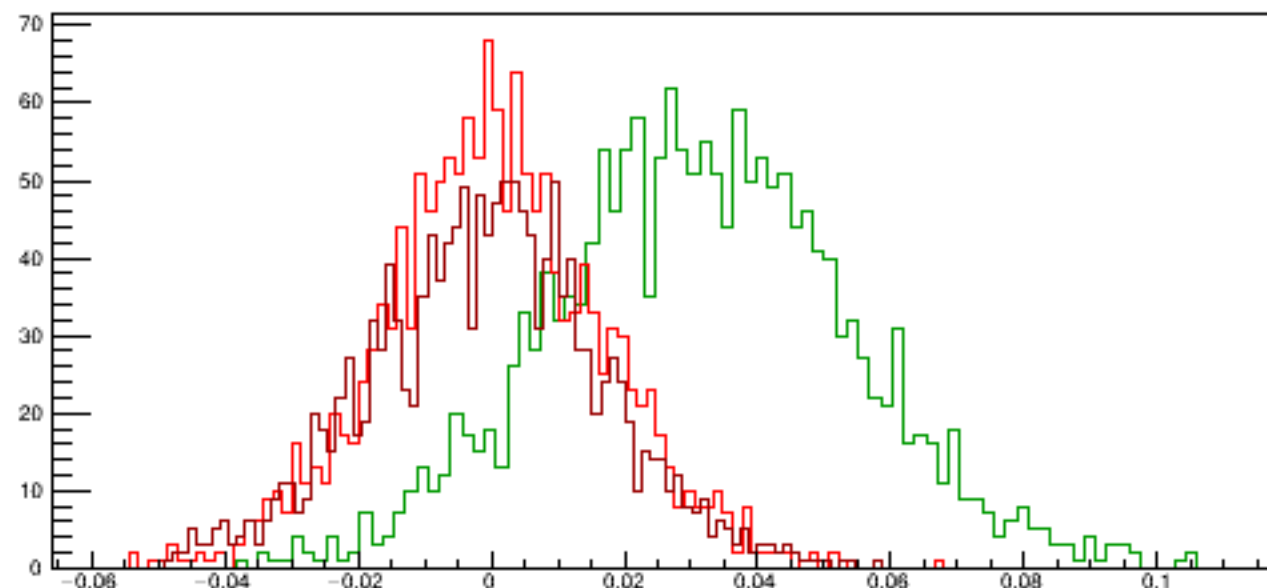
Std Dev: 0.0226 +/- 0.0004

Entries: 1527

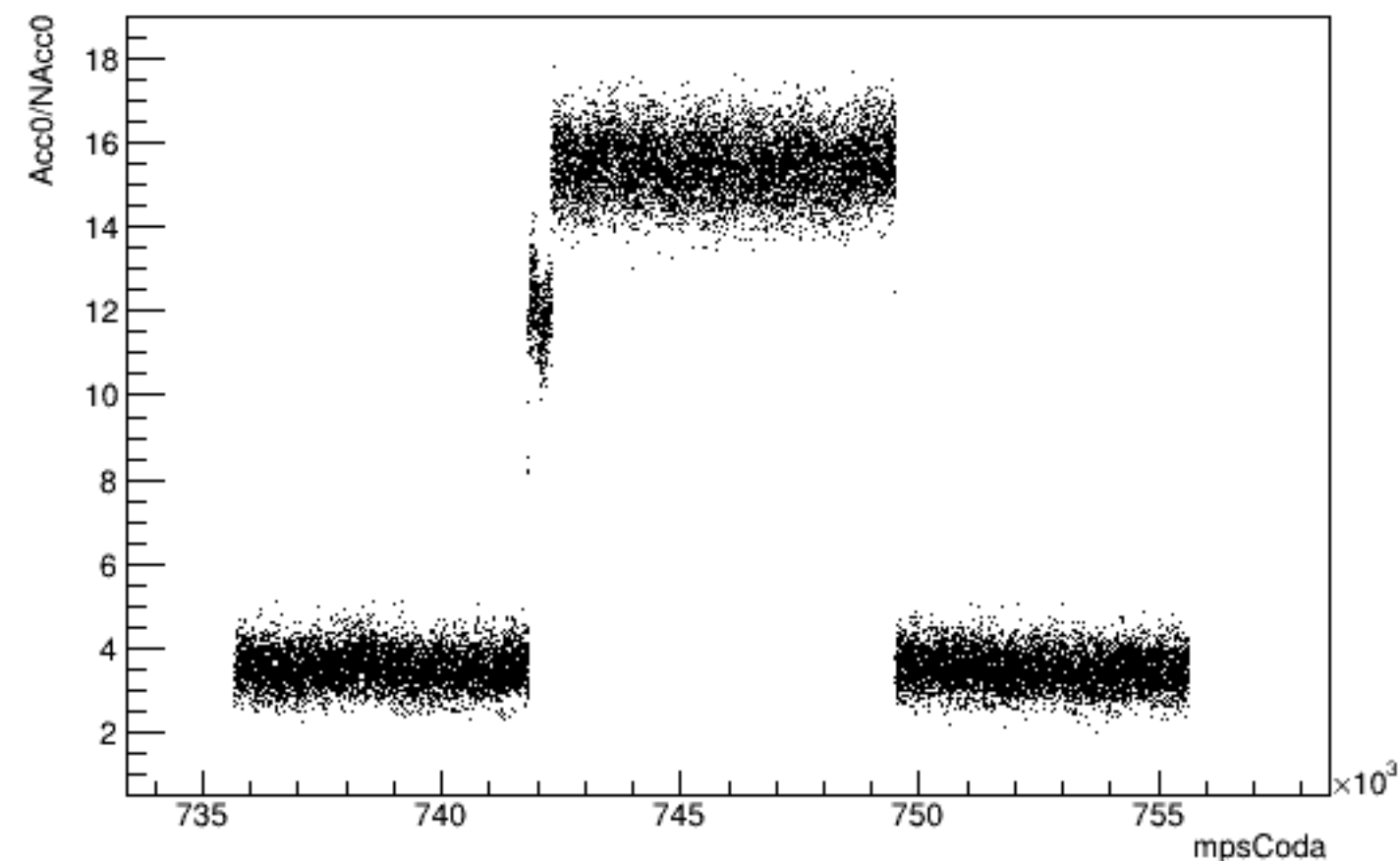
Mean: -0.0007 +/- 0.0004

Std Dev: 0.0174 +/- 0.0003

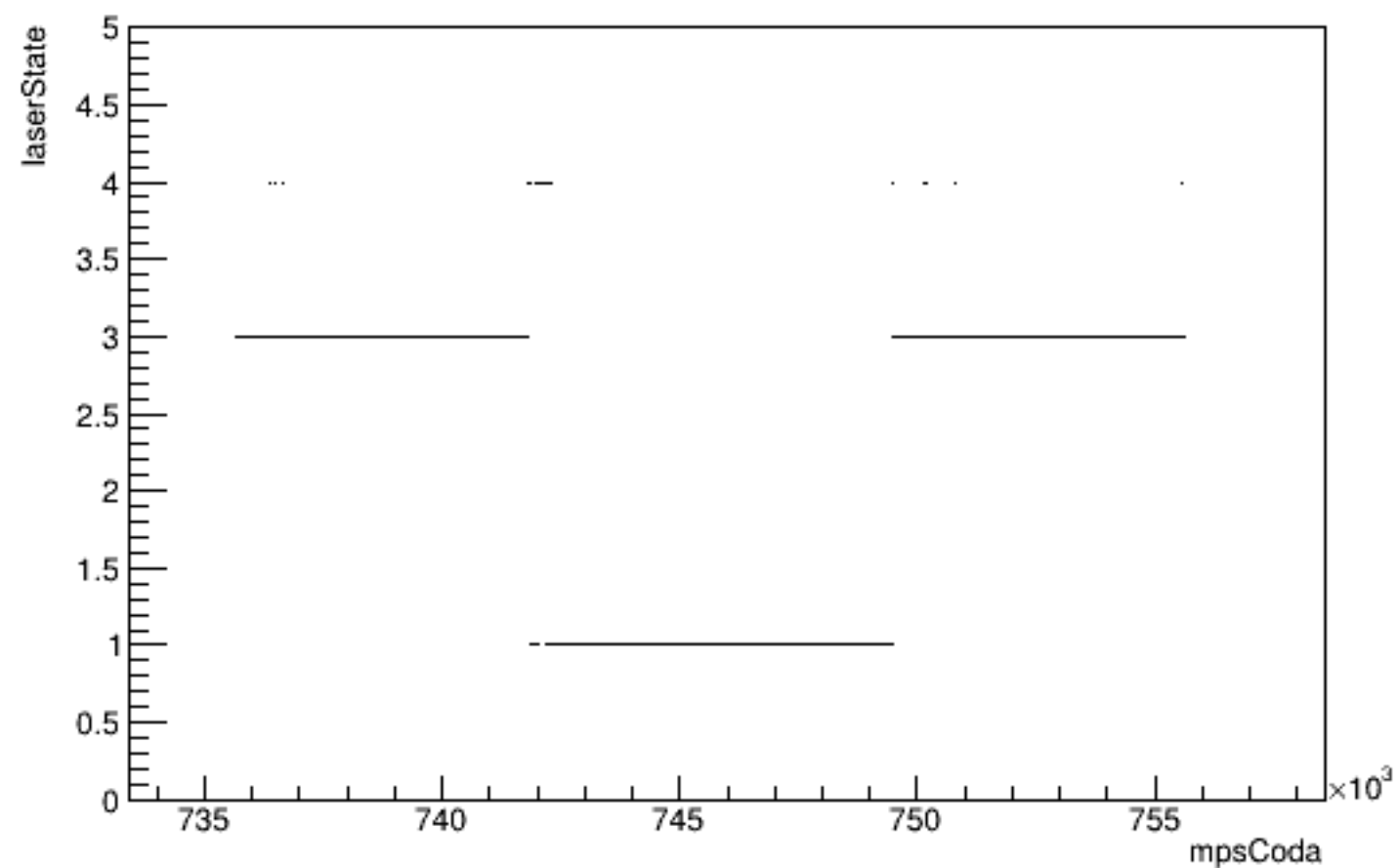
Run 6086 quartetwise, Asyms



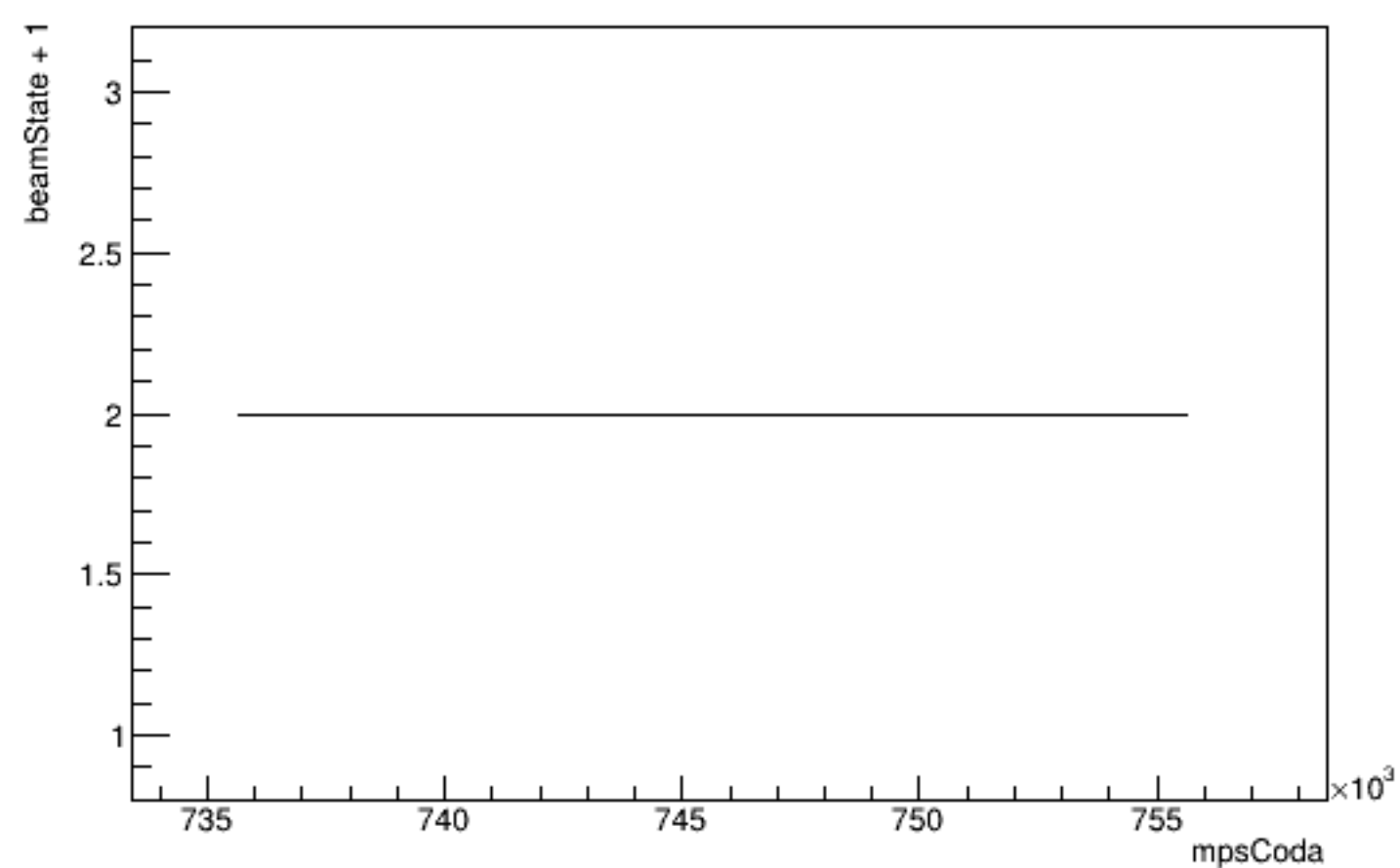
Acc0/NAcc0:mpsCoda (mpsCoda>=735670 && mpsCoda<=755633 && beamState==1)



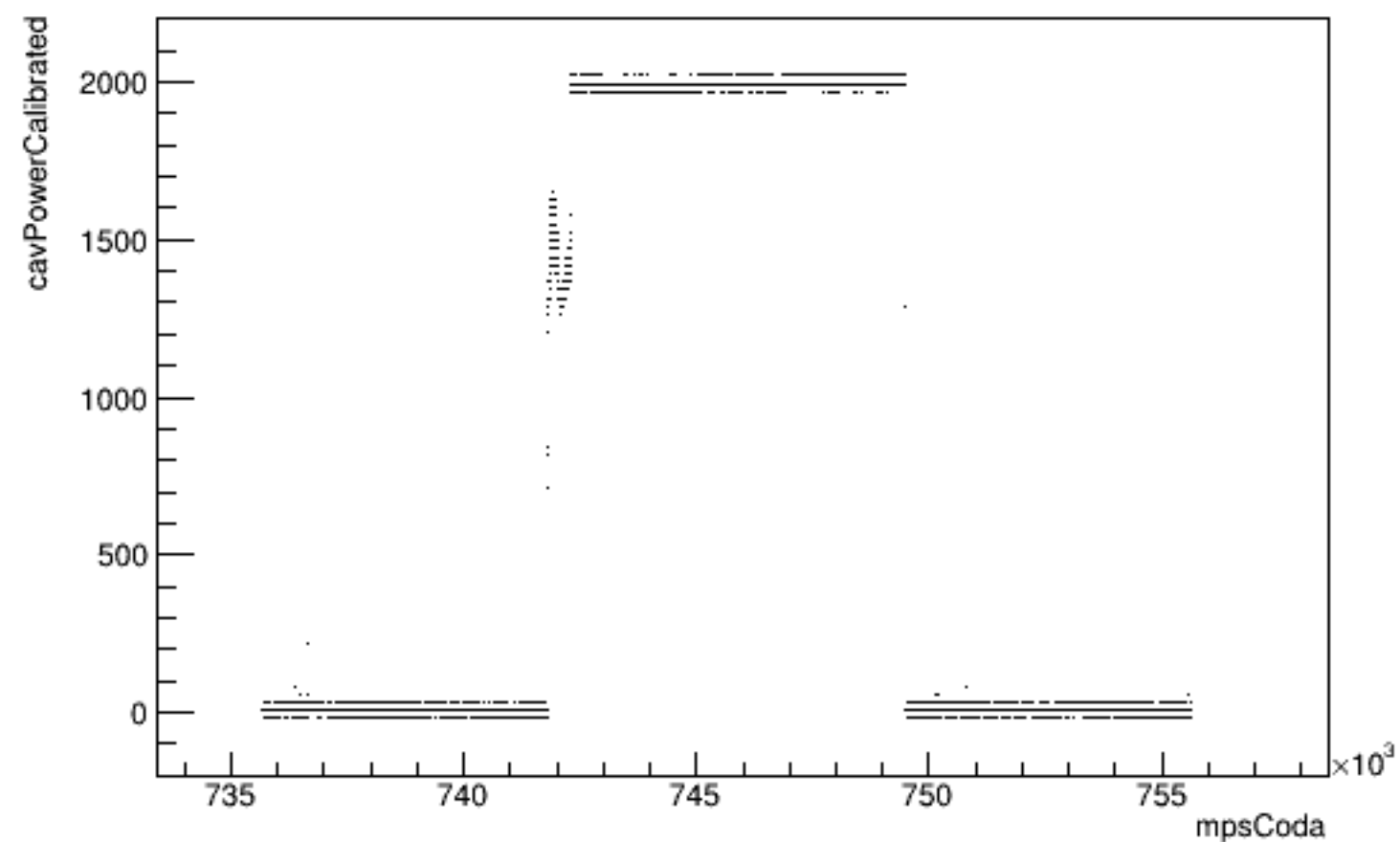
laserState:mpsCoda {mpsCoda>=735670 && mpsCoda<=755633}



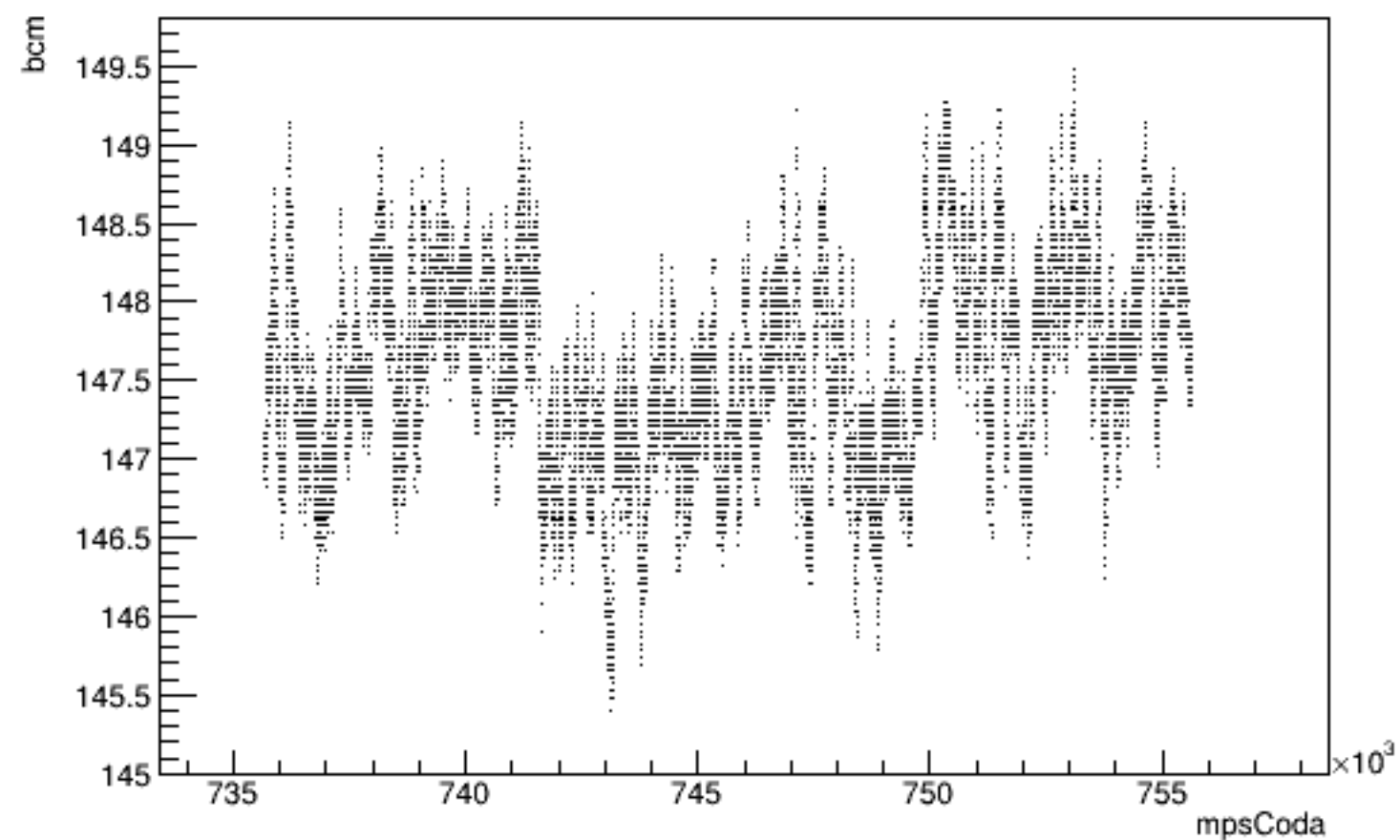
beamState + 1:mpsCoda {mpsCoda>=735670 && mpsCoda<=755633}



cavPowerCalibrated:mpsCoda {mpsCoda>=735670 && mpsCoda<=755633}



bcm:mpsCoda {mpsCoda>=735670 && mpsCoda<=755633}



Cycle 35, Diffs

Entries: 1527

Mean: -0.0164 +/- 0.0106

Std Dev: 0.4161 +/- 0.0075

Entries: 1800

Mean: 0.7757 +/- 0.0123

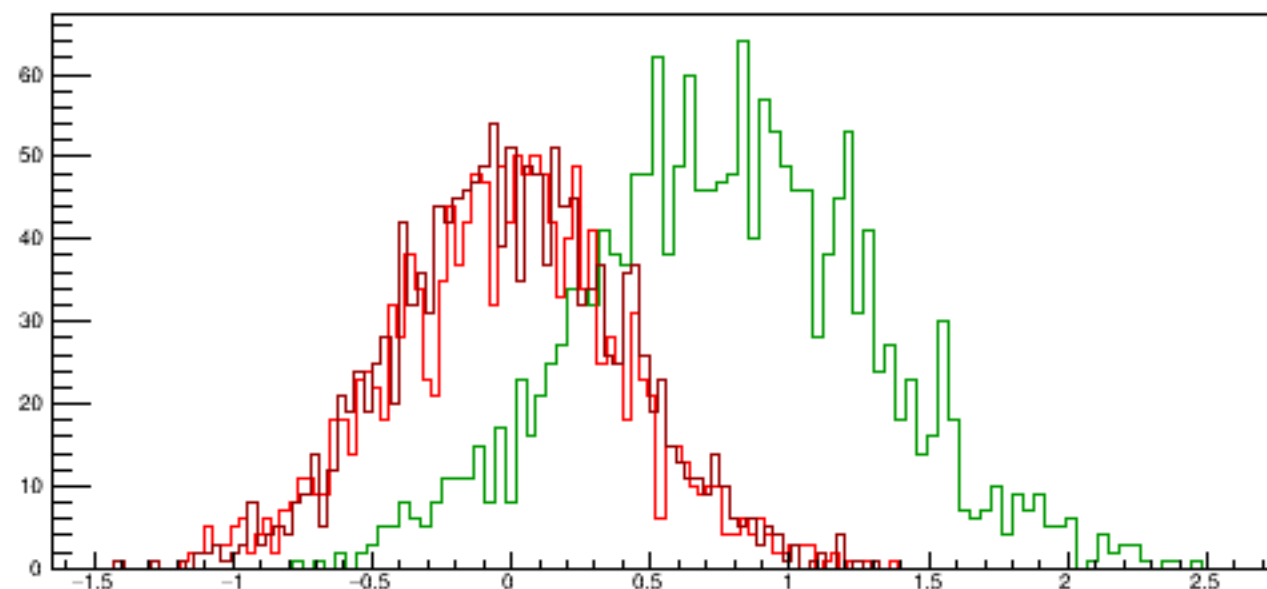
Std Dev: 0.5232 +/- 0.0087

Entries: 1531

Mean: -0.0026 +/- 0.0105

Std Dev: 0.4099 +/- 0.0074

Run 6086 quartetwise, Diffs



Cycle 35, Sums

Entries: 1527

Mean: 6.9752 +/- 0.0114

Std Dev: 0.4444 +/- 0.0080

Entries: 1800

Mean: 31.1718 +/- 0.0147

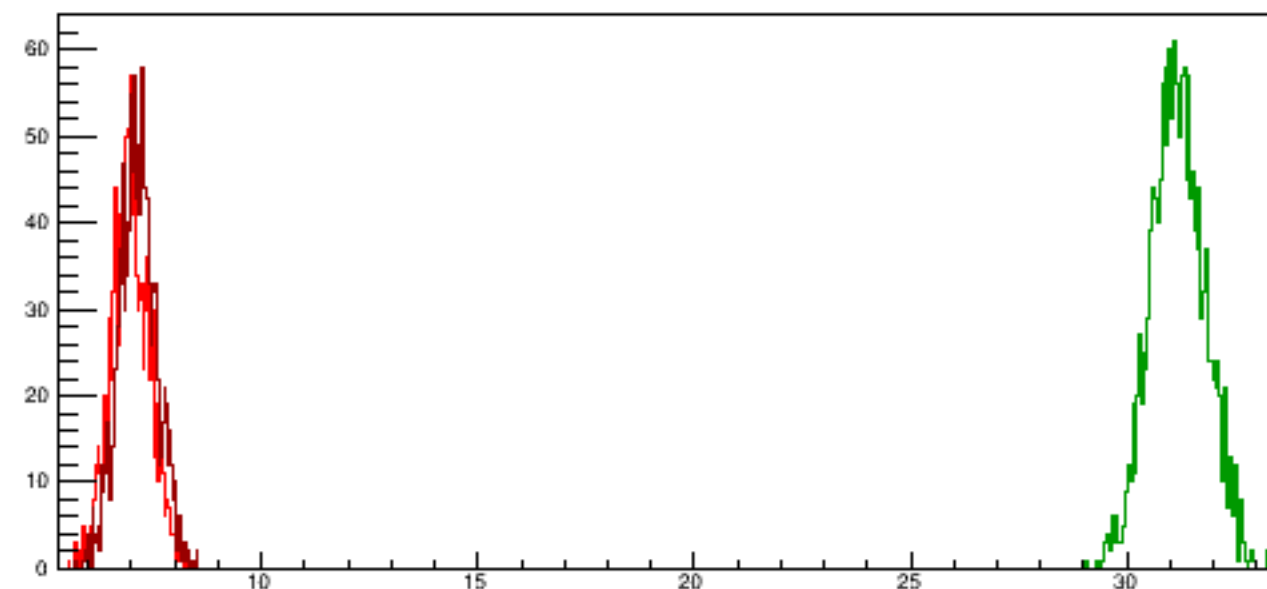
Std Dev: 0.6256 +/- 0.0104

Entries: 1531

Mean: 7.1299 +/- 0.0111

Std Dev: 0.4351 +/- 0.0079

Run 6086 quartetwise, Sums



Cycle 35, Asyms

Entries: 1527

Mean: -0.0007 +/- 0.0004

Std Dev: 0.0173 +/- 0.0003

Entries: 1800

Mean: 0.0322 +/- 0.0005

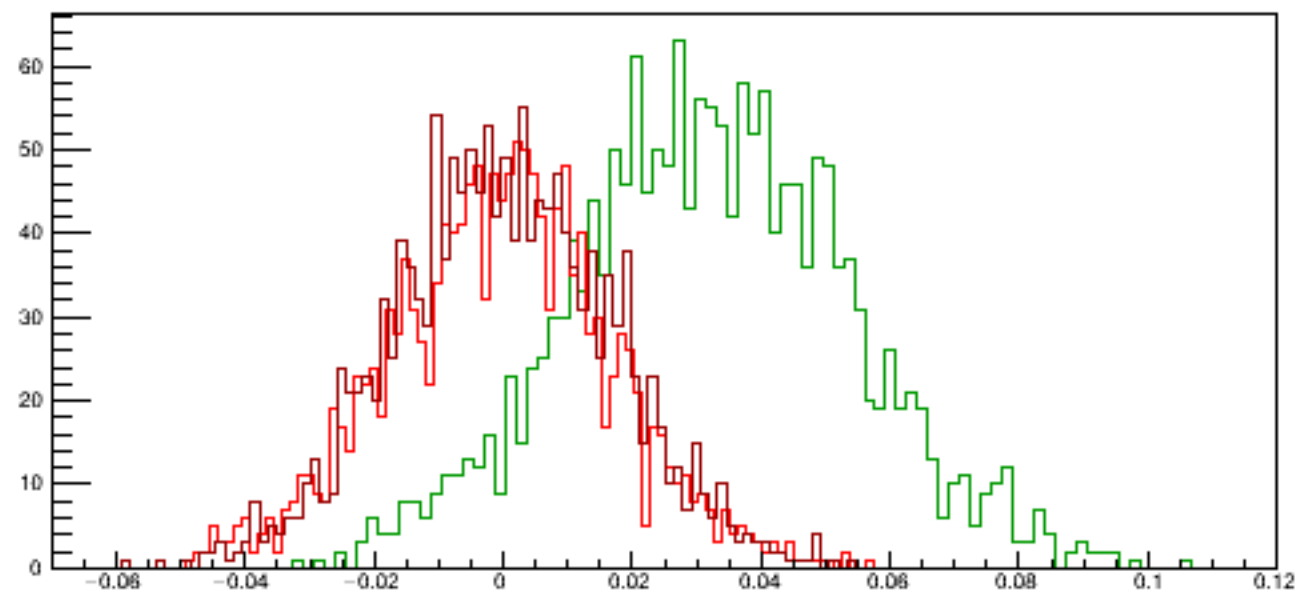
Std Dev: 0.0217 +/- 0.0004

Entries: 1531

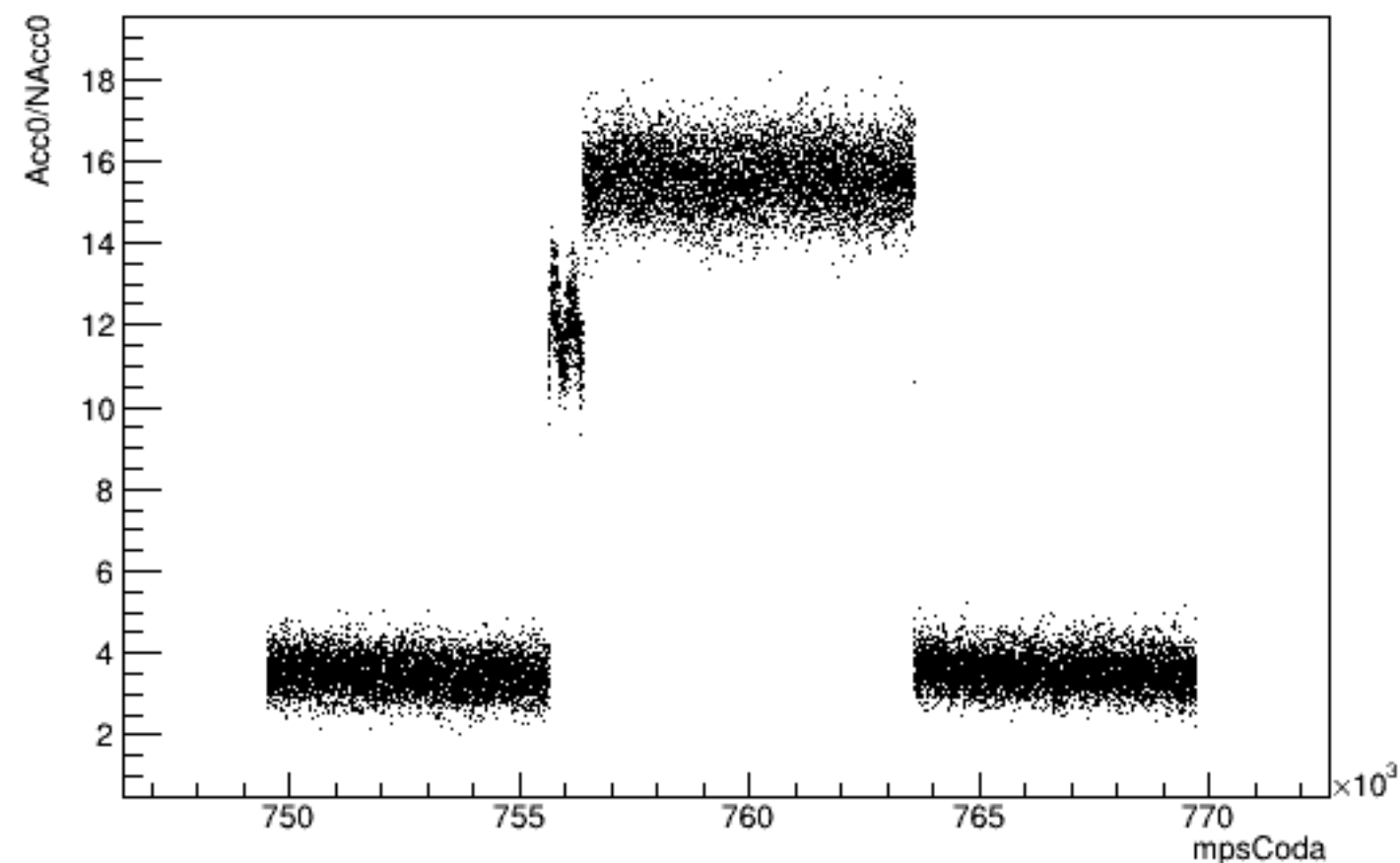
Mean: -0.0001 +/- 0.0004

Std Dev: 0.0170 +/- 0.0003

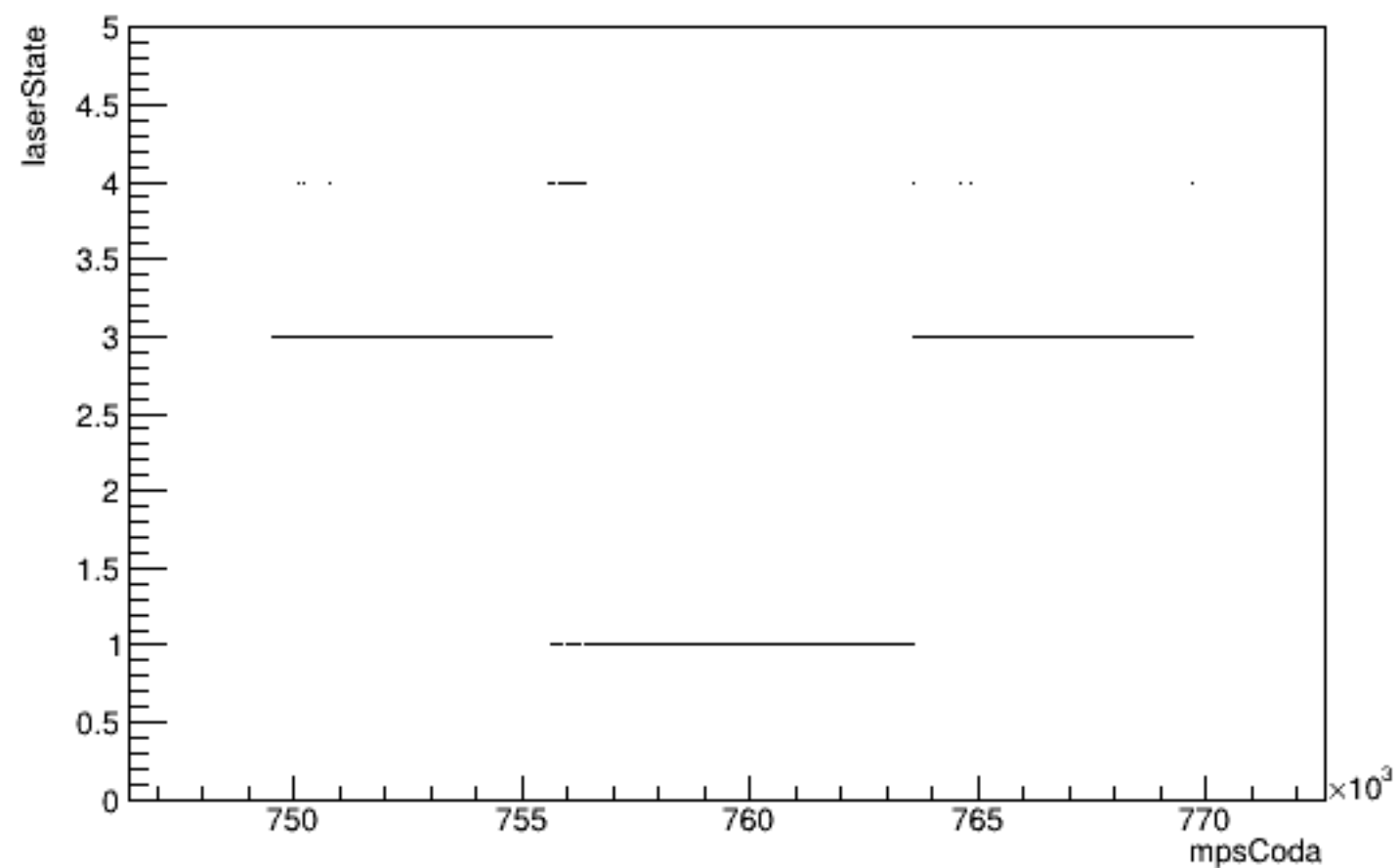
Run 6086 quartetwise, Asyms



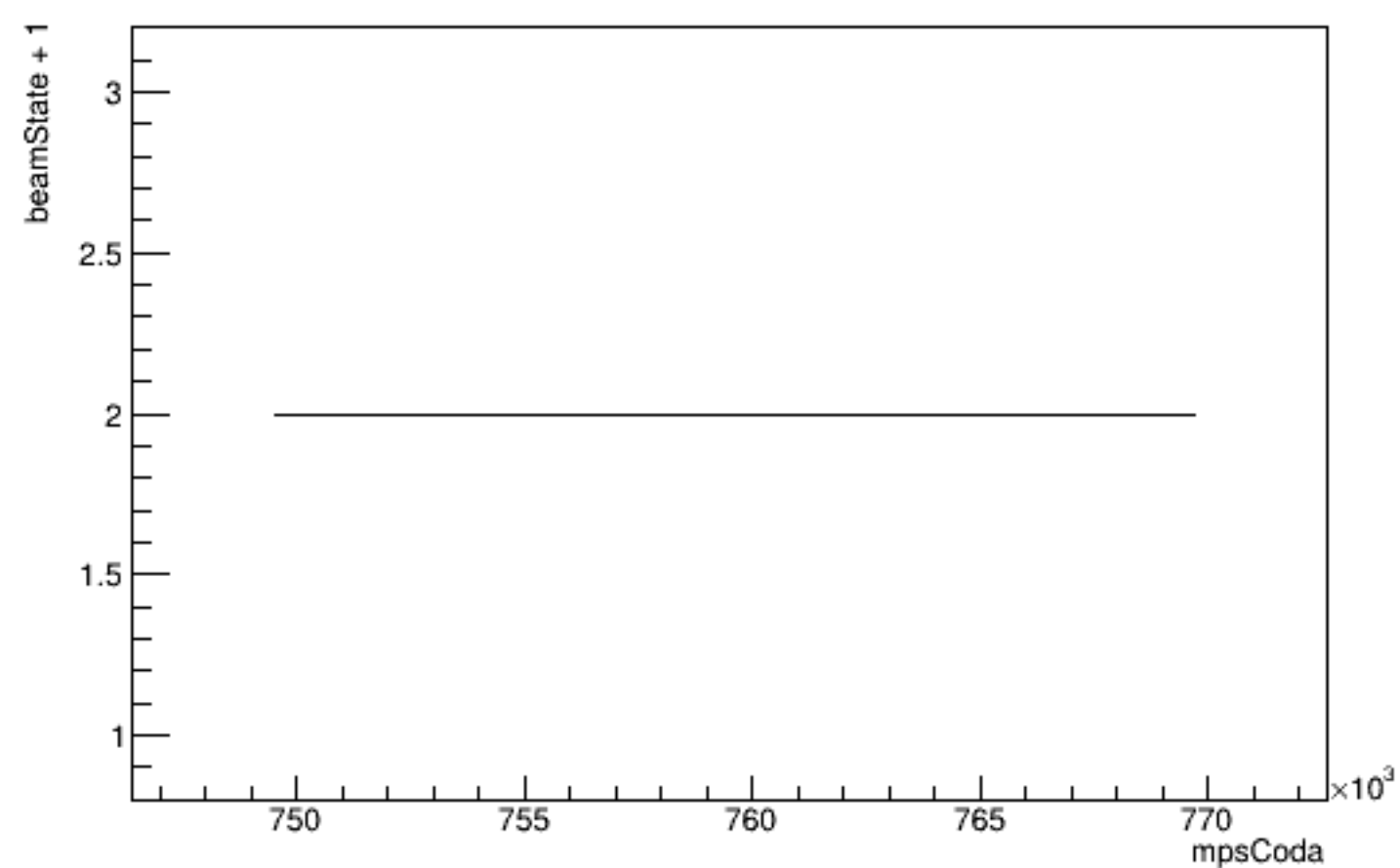
Acc0/NAcc0:mpsCoda (mpsCoda>=749506 && mpsCoda<=769721 && beamState==1)



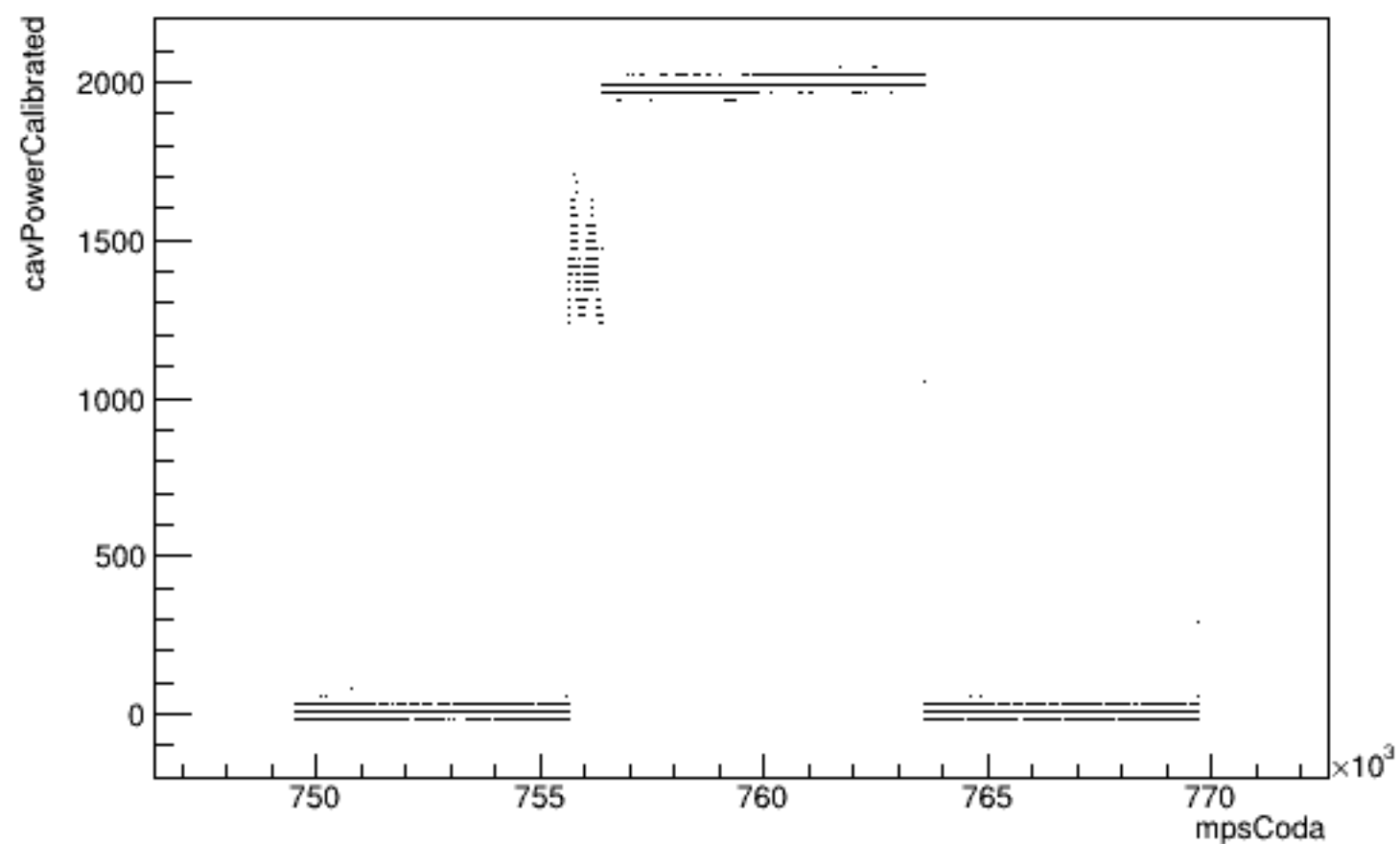
laserState:mpsCoda {mpsCoda>=749506 && mpsCoda<=769721}



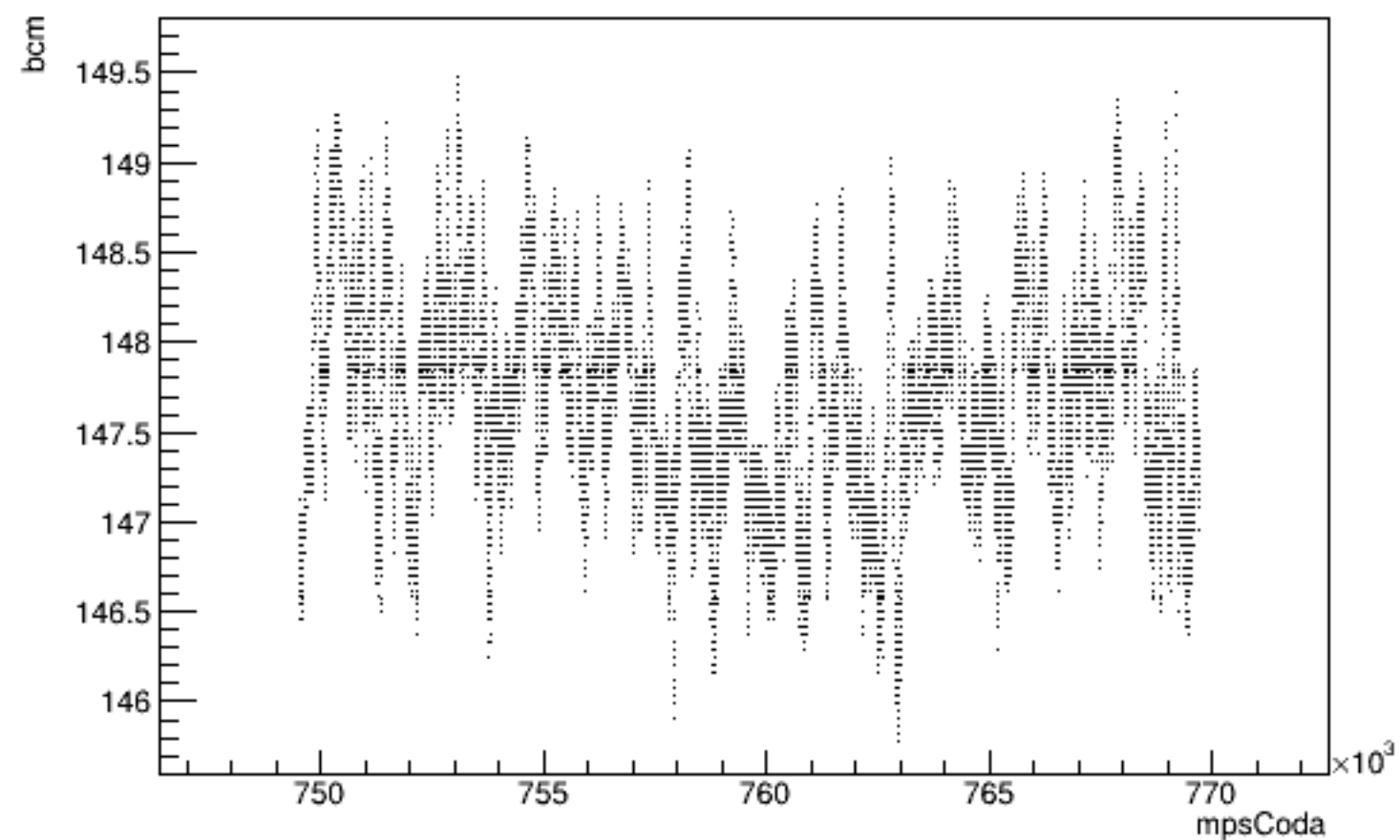
beamState + 1:mpsCoda {mpsCoda>=749506 && mpsCoda<=769721}



cavPowerCalibrated:mpsCoda {mpsCoda>=749506 && mpsCoda<=769721}



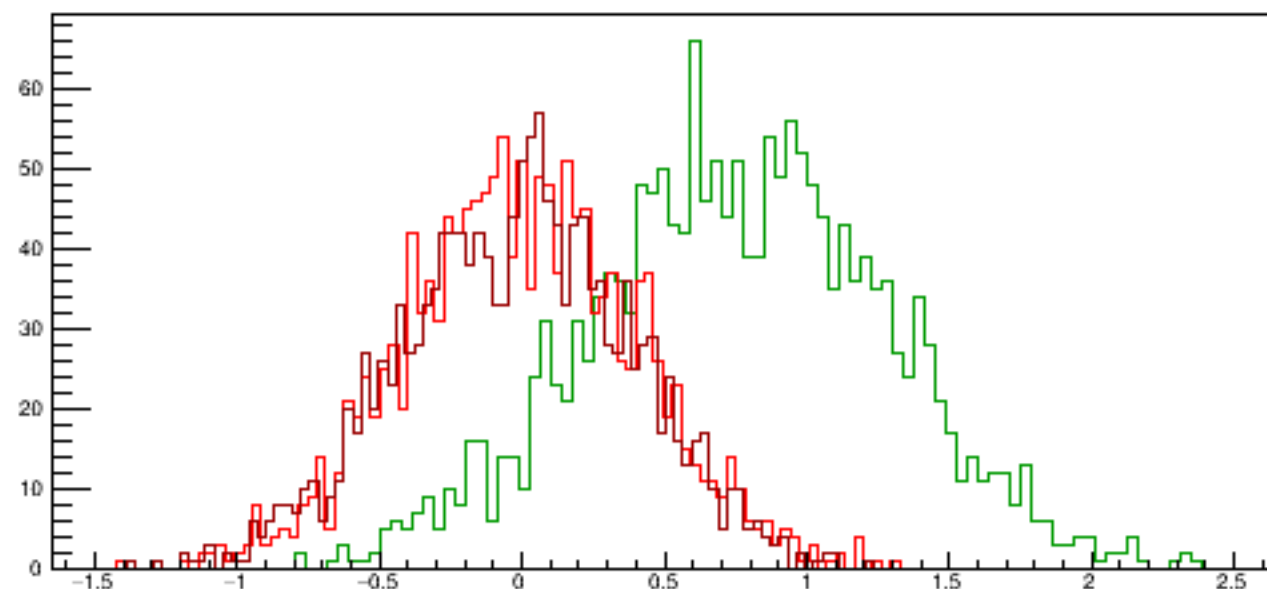
bcm:mpsCoda {mpsCoda>=749506 && mpsCoda<=769721}



Cycle 36, Diffs

Entries: 1531	Entries: 1801	Entries: 1526
Mean: -0.0026 +/- 0.0105	Mean: 0.7590 +/- 0.0123	Mean: -0.0203 +/- 0.0103
Std Dev: 0.4099 +/- 0.0074	Std Dev: 0.5237 +/- 0.0087	Std Dev: 0.4042 +/- 0.0073

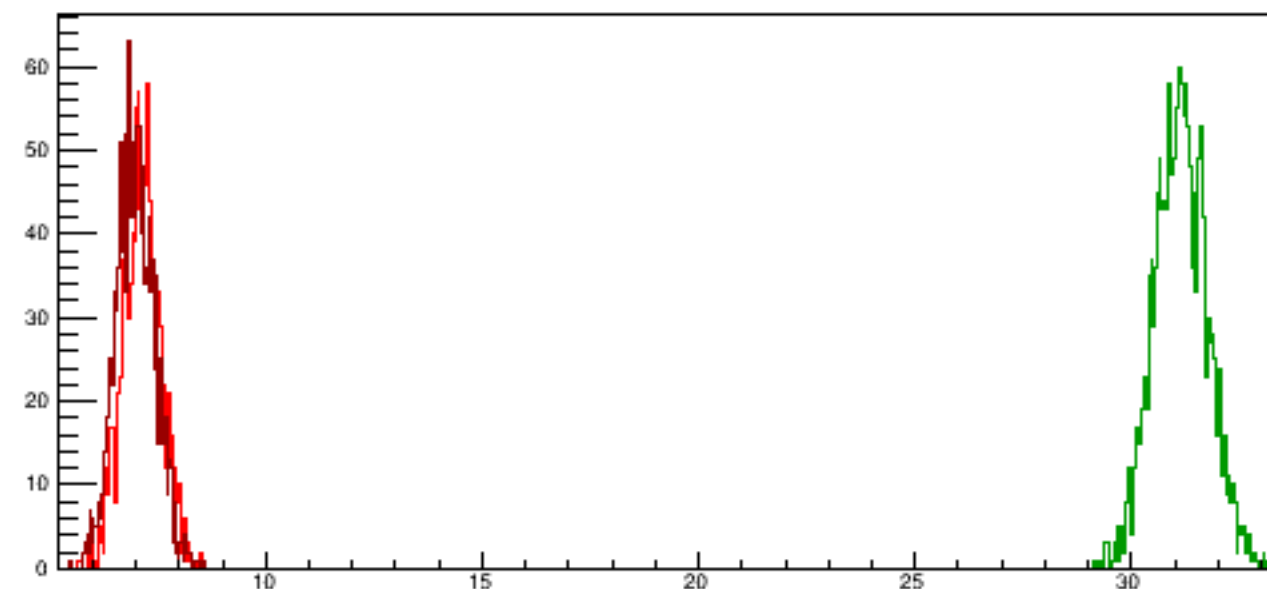
Run 6086 quartetwise, Diffs



Cycle 36, Sums

Entries: 1531	Entries: 1801	Entries: 1526
Mean: 7.1299 +/- 0.0111	Mean: 31.1353 +/- 0.0143	Mean: 6.9831 +/- 0.0114
Std Dev: 0.4351 +/- 0.0079	Std Dev: 0.6061 +/- 0.0101	Std Dev: 0.4452 +/- 0.0081

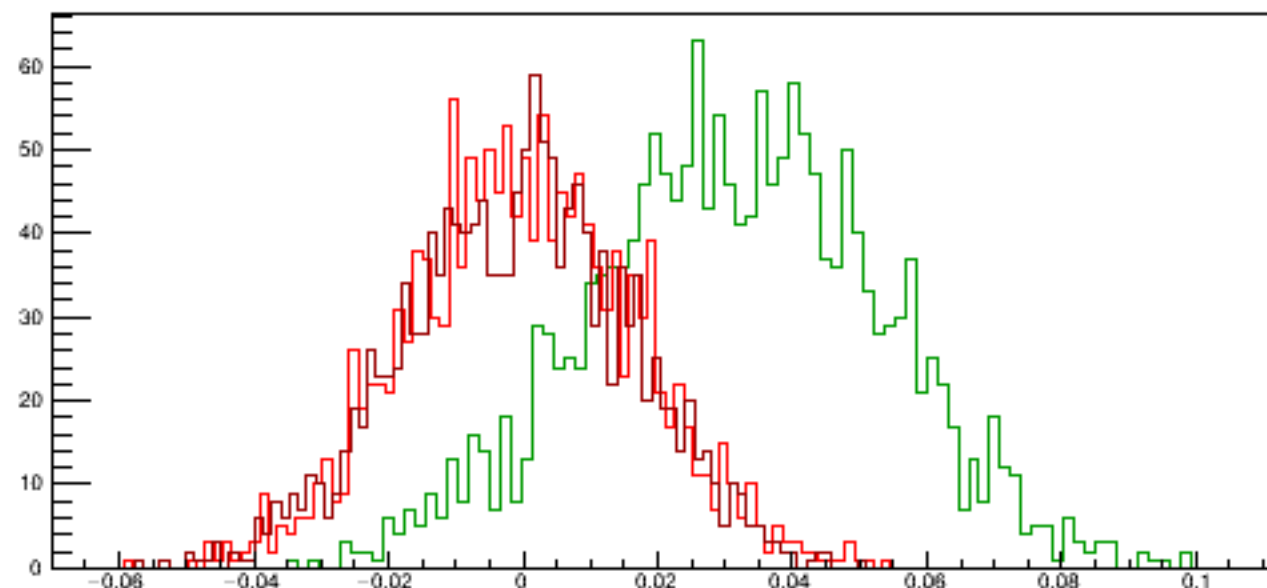
Run 6086 quartetwise, Sums



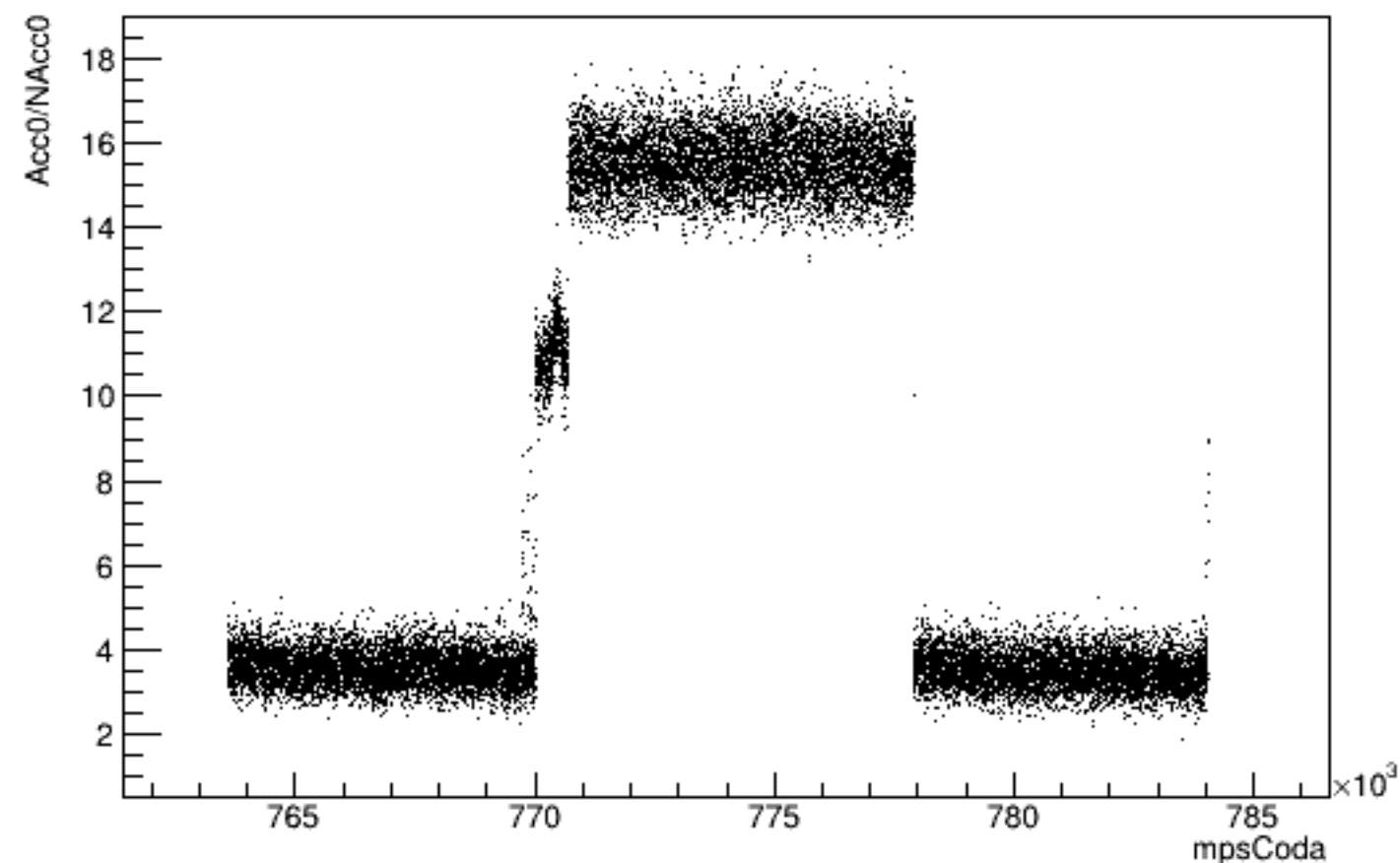
Cycle 36, Asyms

Entries: 1531	Entries: 1801	Entries: 1526
Mean: -0.0001 +/- 0.0004	Mean: 0.0315 +/- 0.0005	Mean: -0.0008 +/- 0.0004
Std Dev: 0.0170 +/- 0.0003	Std Dev: 0.0217 +/- 0.0004	Std Dev: 0.0168 +/- 0.0003

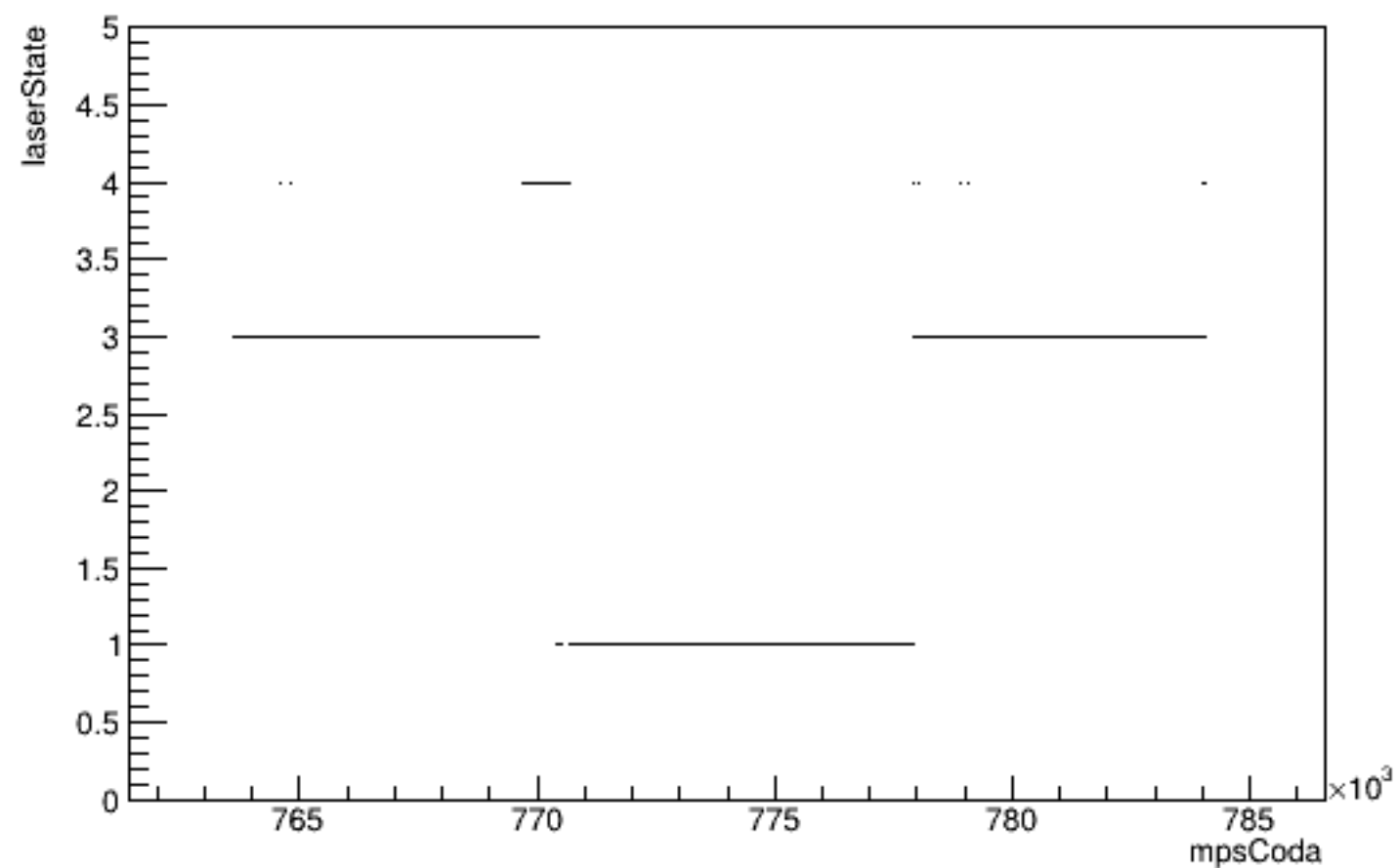
Run 6086 quartetwise, Asyms



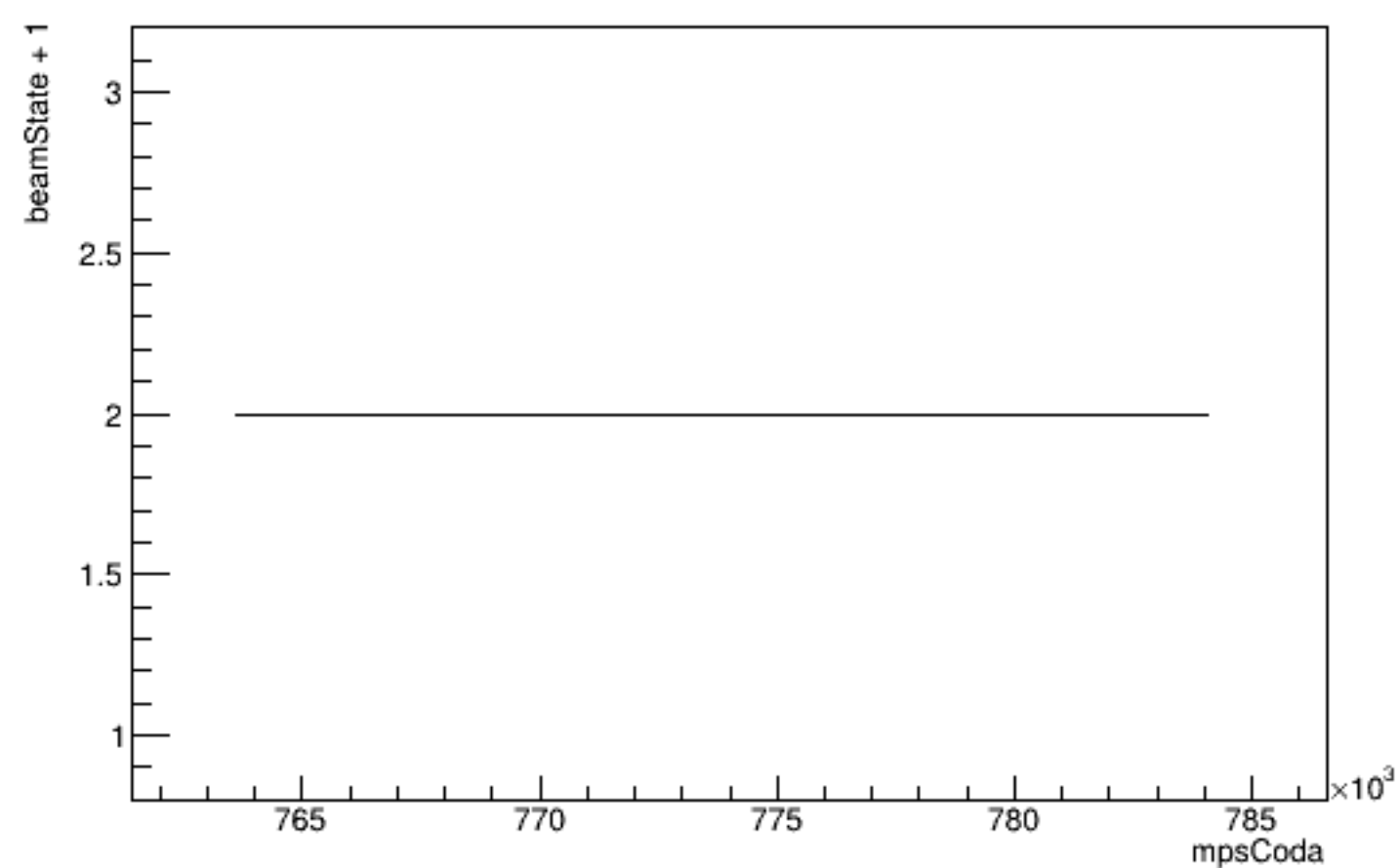
Acc0/NAcc0:mpsCoda (mpsCoda>=763586 && mpsCoda<=784049 && beamState==1)



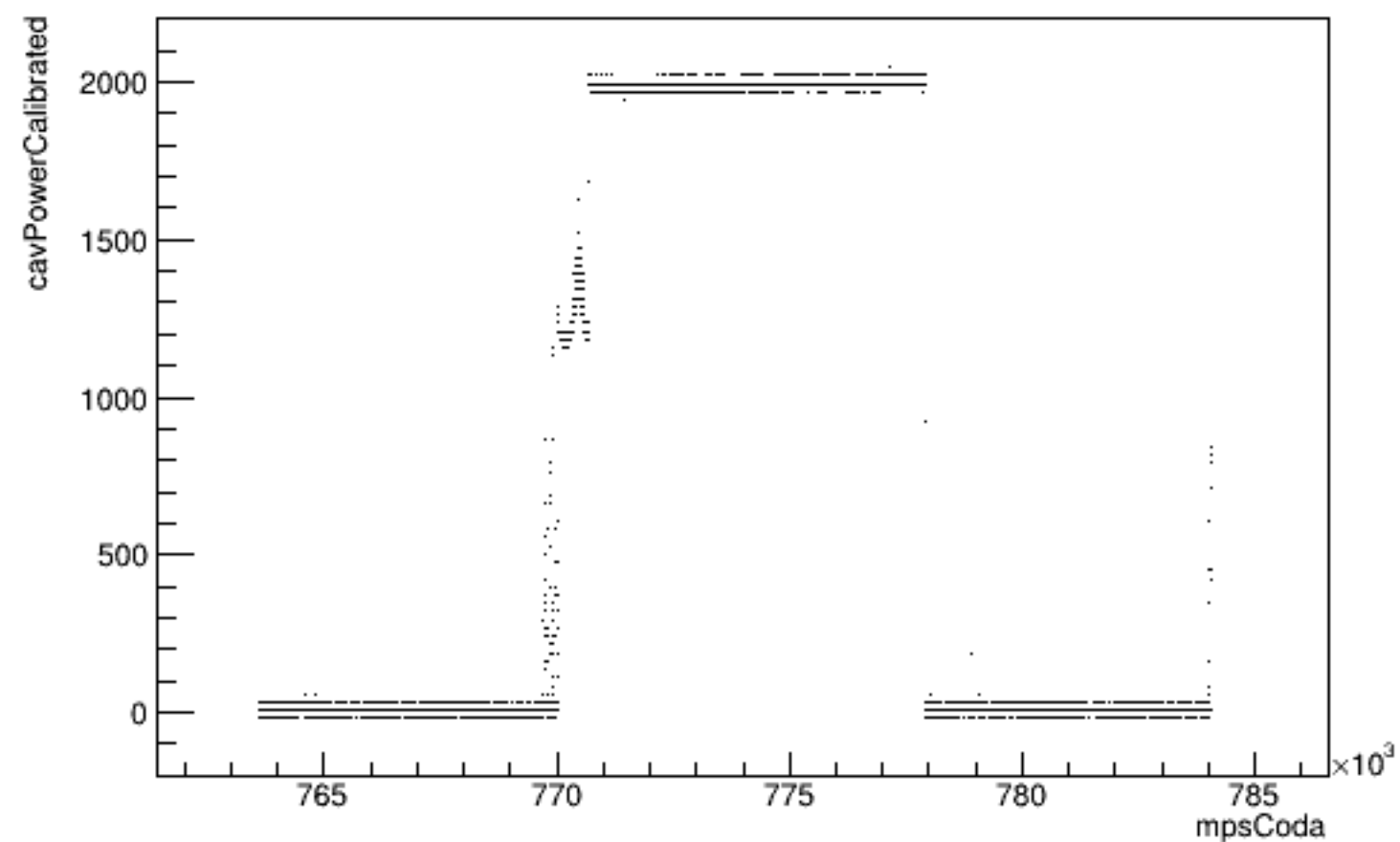
laserState:mpsCoda {mpsCoda>=763586 && mpsCoda<=784049}



beamState + 1:mpsCoda {mpsCoda>=763586 && mpsCoda<=784049}



cavPowerCalibrated:mpsCoda {mpsCoda>=763586 && mpsCoda<=784049}



bcm:mpsCoda {mpsCoda>=763586 && mpsCoda<=784049}

