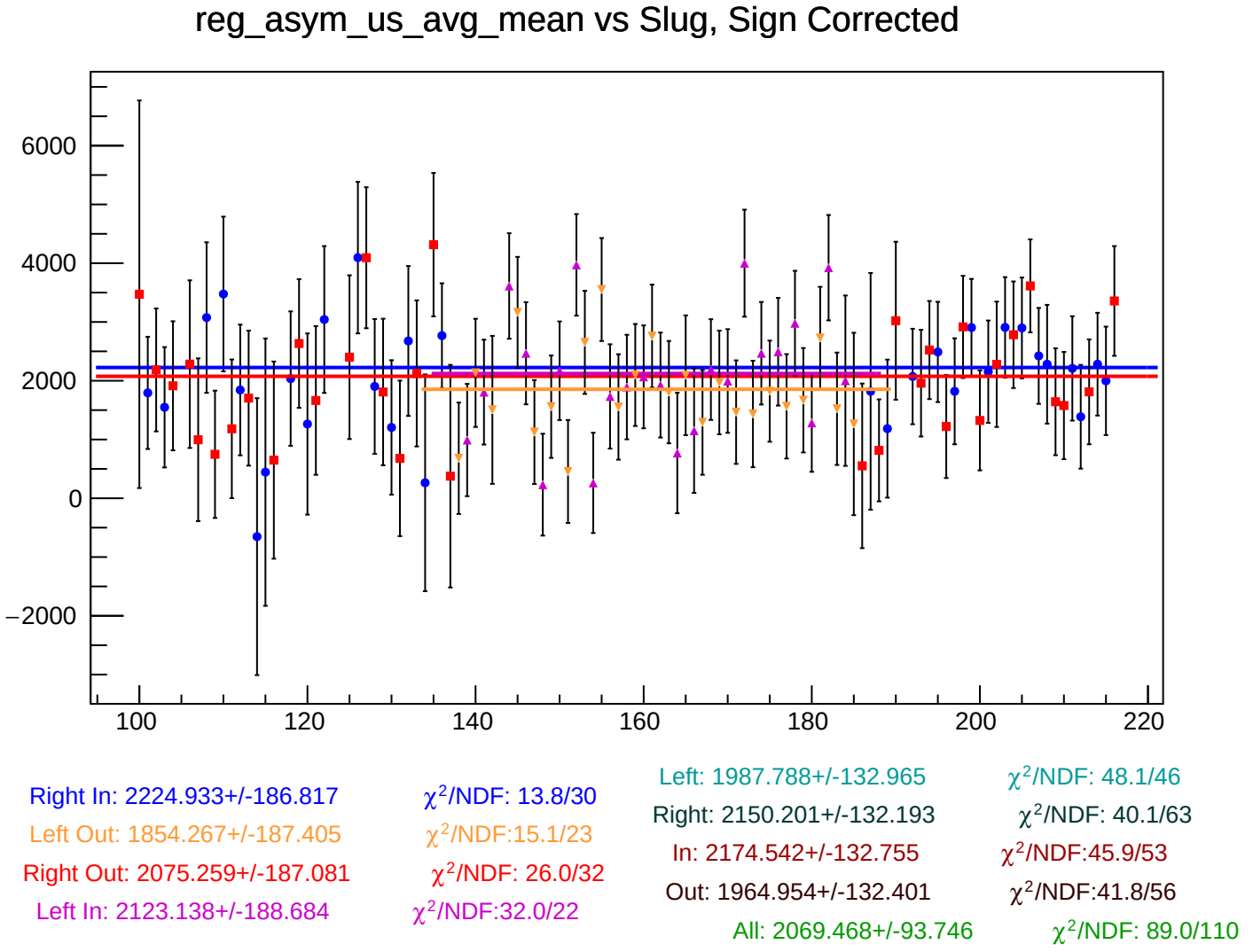
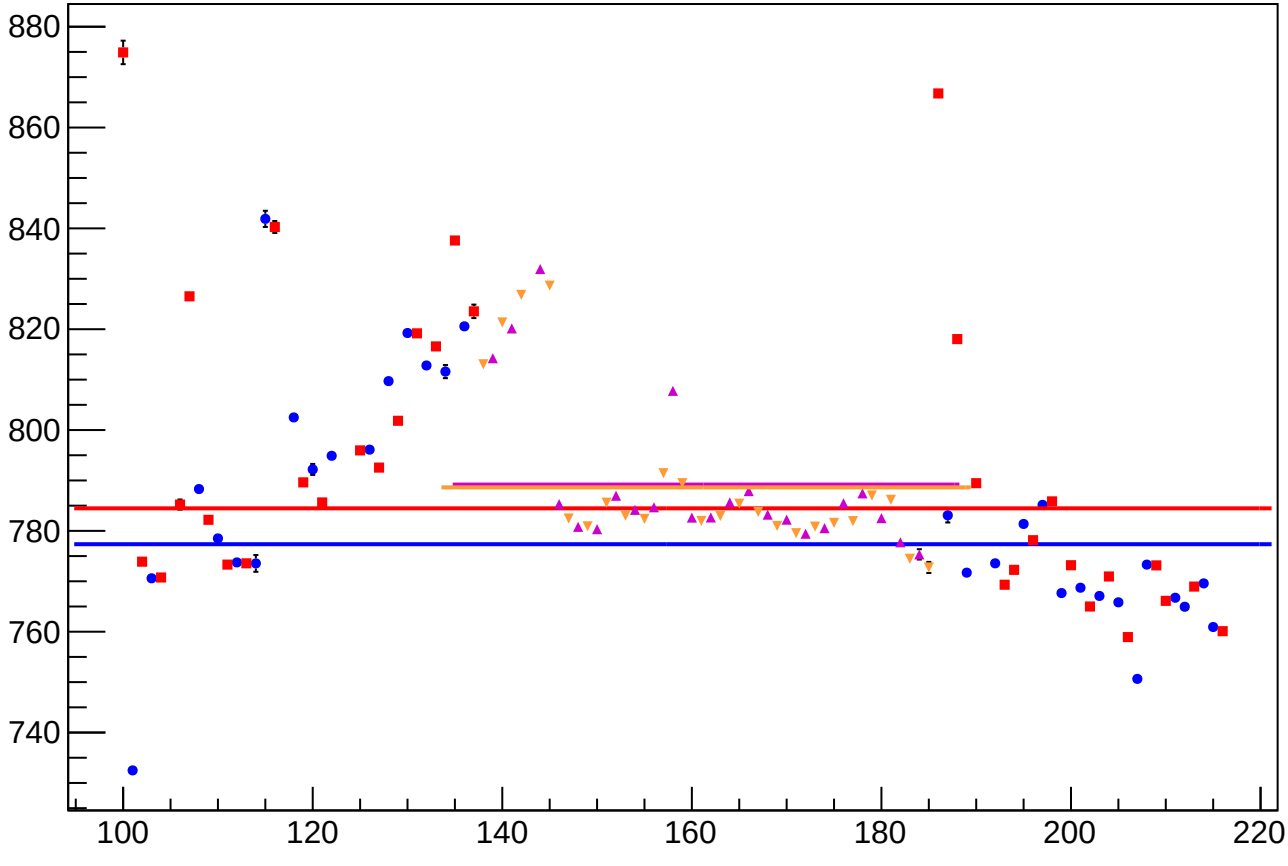

reg_asym_us_avg_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2224.933+/-186.817
χ²/NDF: 13.8/30
Left Out: 1854.267+/-187.405
χ²/NDF:15.1/23
Right Out: 2075.259+/-187.081
χ²/NDF: 26.0/32
Left In: 2123.138+/-188.684
χ²/NDF:32.0/22
Left: 1987.788+/-132.965
χ²/NDF: 48.1/46
Right: 2150.201+/-132.193
χ²/NDF: 40.1/63
In: 2174.542+/-132.755
χ²/NDF:45.9/53
Out: 1964.954+/-132.401
χ²/NDF:41.8/56
All: 2069.468+/-93.746
χ²/NDF: 89.0/110

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.356+/-0.132 χ^2/NDF: 24540.5/30

Left Out: 788.629+/-0.133 χ^2/NDF:11478.1/23

Right Out: 784.470+/-0.132 χ^2/NDF: 32121.8/32

Left In: 789.185+/-0.133 χ^2/NDF:11343.2/22

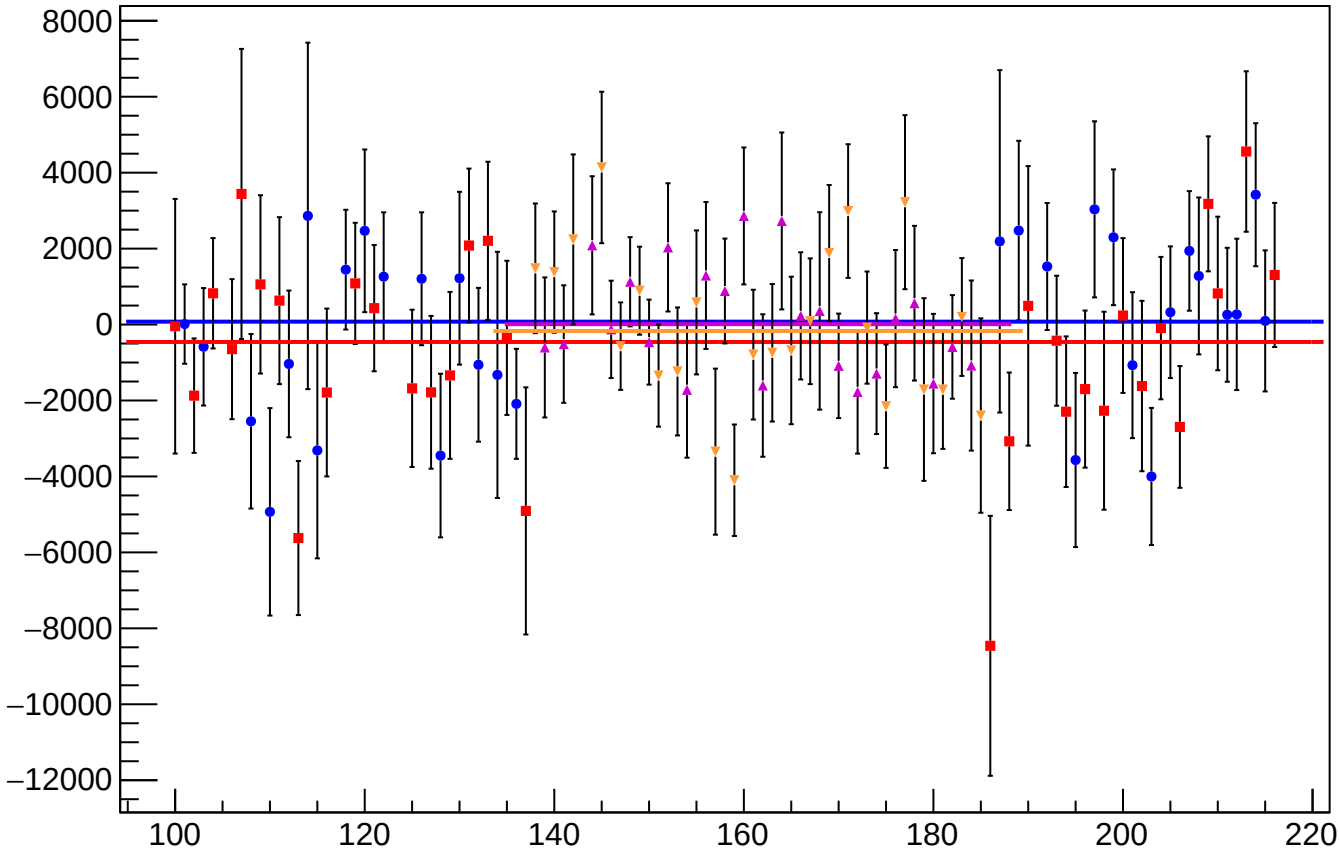
Left: 788.905+/-0.094 χ^2/NDF: 22830.1/46

Right: 780.908+/-0.093 χ^2/NDF: 58110.4/63

In: 783.211+/-0.094 χ^2/NDF:39853.2/53

Out: 786.546+/-0.094 χ^2/NDF:44093.4/56

All: 784.883+/-0.066 χ^2/NDF: 84579.2/110



Right In: 76.510+/-341.330 χ^2/NDF: 33.6/30

Left Out: -169.172+/-340.391 χ^2/NDF:30.0/23

Right Out: -458.225+/-352.016 χ^2/NDF: 40.3/32

Left In: 10.093+/-337.810 χ^2/NDF:14.2/22

Left: -78.858+/-239.775 χ^2/NDF: 44.4/46

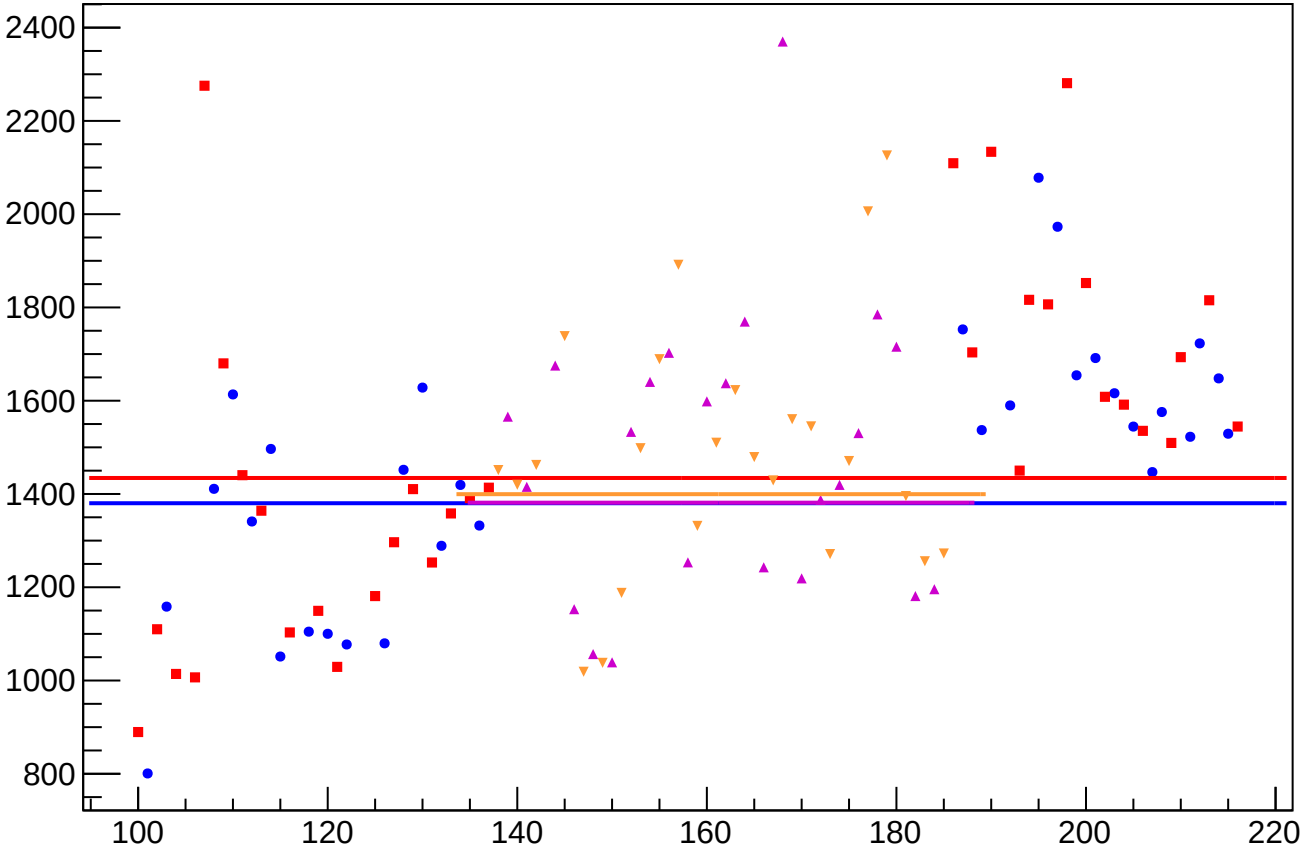
Right: -182.617+/-245.048 χ^2/NDF: 75.1/63

In: 42.957+/-240.103 χ^2/NDF:47.9/53

Out: -308.847+/-244.699 χ^2/NDF:70.6/56

All: -129.609+/-171.380 χ^2/NDF: 119.5/110

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1380.179+/-0.241 χ^2/NDF: 1618725.0/30

Left Out: 1399.587+/-0.241 χ^2/NDF:1119125.1/23

Right Out: 1434.319+/-0.249 χ^2/NDF: 1598715.2/32

Left In: 1381.359+/-0.239 χ^2/NDF:1276488.2/22

Left: 1390.403+/-0.170 χ^2/NDF: 2398502.8/46

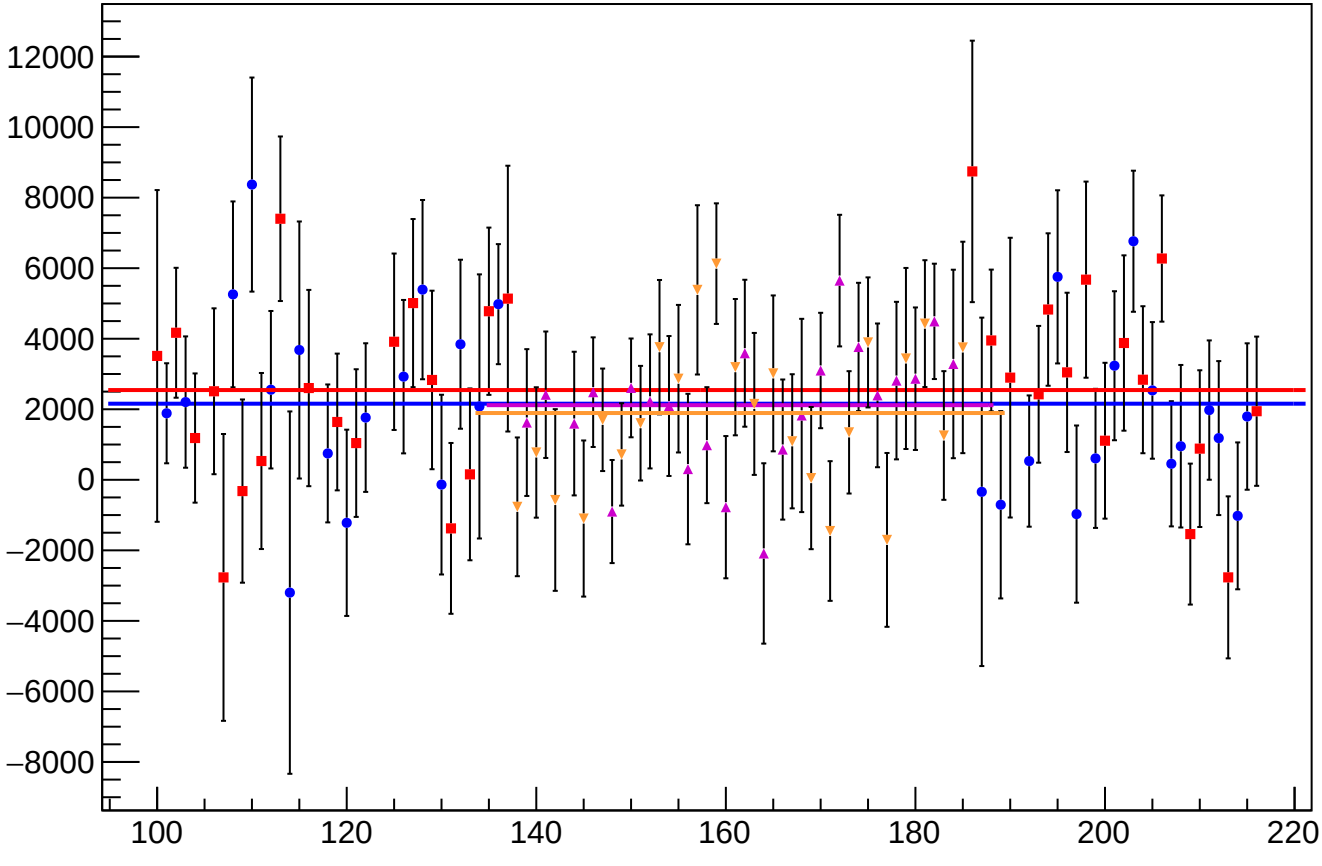
Right: 1406.415+/-0.173 χ^2/NDF: 3241824.1/63

In: 1380.775+/-0.170 χ^2/NDF:2895225.3/53

Out: 1416.370+/-0.173 χ^2/NDF:2727902.5/56

All: 1398.235+/-0.121 χ^2/NDF: 5644689.1/11

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2157.974+/-397.734 χ^2/NDF: 30.8/30

Left Out: 1893.469+/-394.877 χ^2/NDF:25.9/23

Right Out: 2544.613+/-406.935 χ^2/NDF: 37.3/32

Left In: 2116.114+/-392.997 χ^2/NDF:18.8/22

Left: 2005.323+/-278.553 χ^2/NDF: 44.9/46

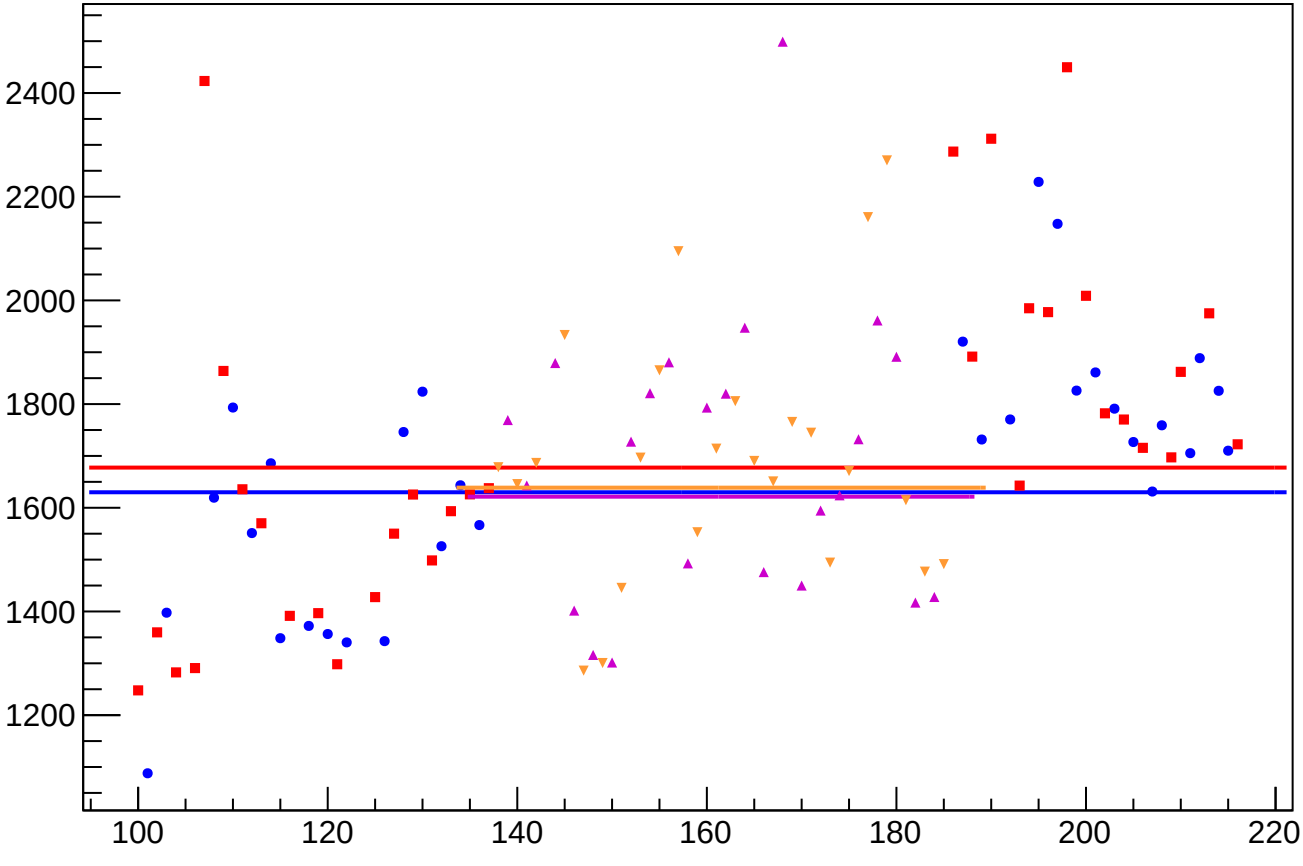
Right: 2346.873+/-284.438 χ^2/NDF: 68.5/63

In: 2136.794+/-279.550 χ^2/NDF:49.6/53

Out: 2209.251+/-283.387 χ^2/NDF:64.6/56

All: 2172.528+/-199.015 χ^2/NDF: 114.1/110

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1629.919+/-0.281 χ^2/NDF: 839657.7/30

Left Out: 1638.806+/-0.279 χ^2/NDF:671906.6/23

Right Out: 1677.503+/-0.288 χ^2/NDF: 935818.8/32

Left In: 1621.417+/-0.278 χ^2/NDF:775310.1/22

Left: 1630.070+/-0.197 χ^2/NDF: 1449165.3/46

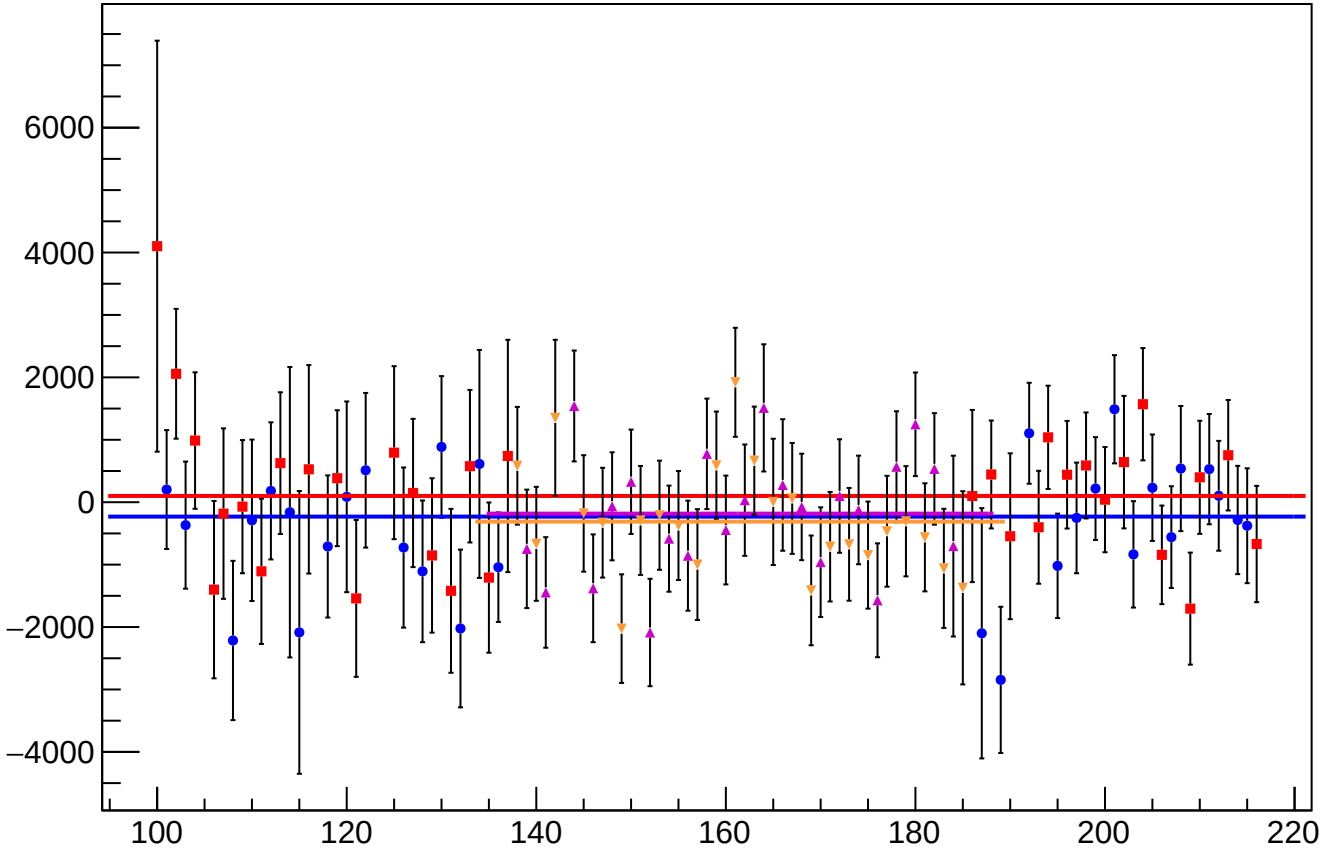
Right: 1653.167+/-0.201 χ^2/NDF: 1789462.6/63

In: 1625.617+/-0.198 χ^2/NDF:1615430.2/53

Out: 1657.573+/-0.200 χ^2/NDF:1617040.0/56

All: 1641.377+/-0.141 χ^2/NDF: 3245359.3/11

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -230.629+/-185.445 χ^2/NDF: 25.0/30

Left Out: -310.563+/-186.538 χ^2/NDF:20.0/23

Right Out: 100.200+/-185.370 χ^2/NDF: 25.8/32

Left In: -182.895+/-187.817 χ^2/NDF:26.1/22

Left: -247.165+/-132.352 χ^2/NDF: 46.4/46

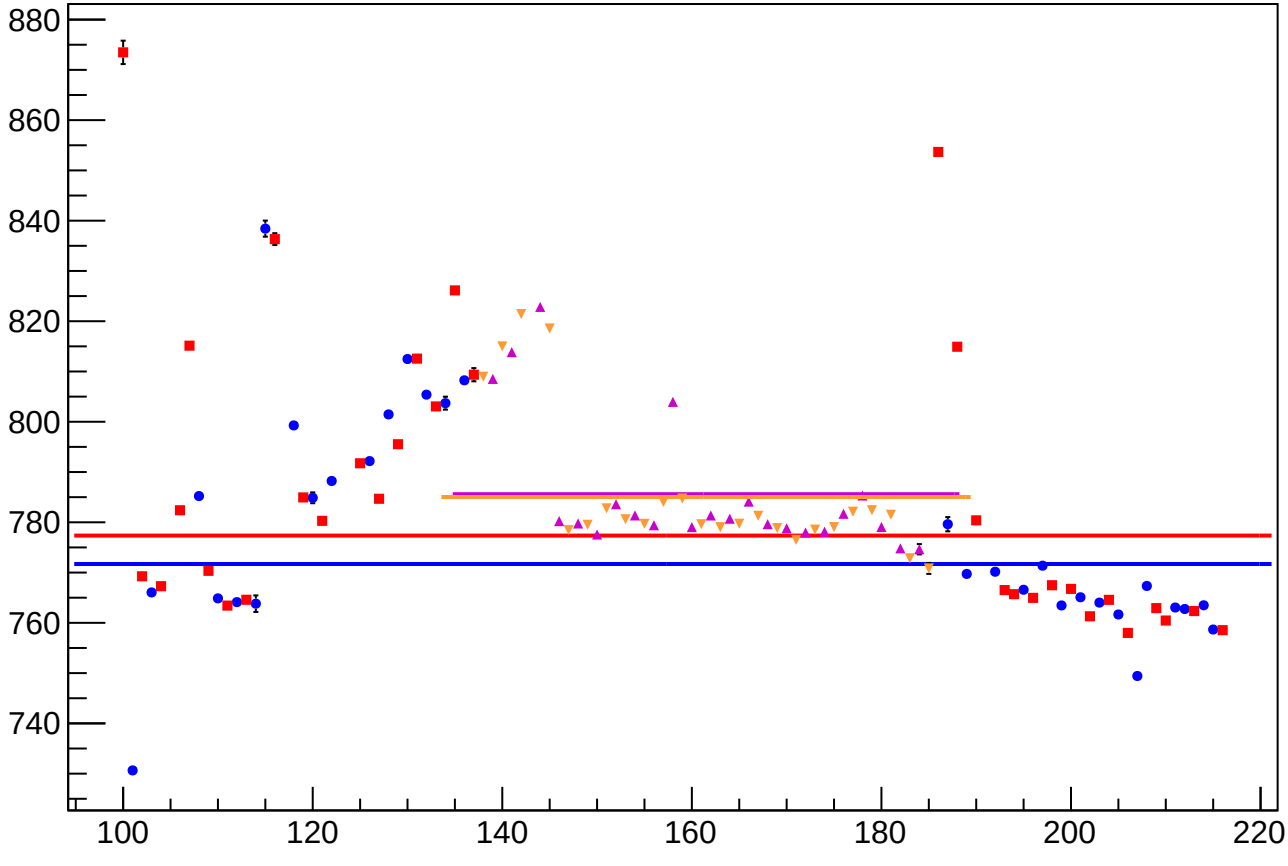
Right: -65.148+/-131.103 χ^2/NDF: 52.4/63

In: -207.065+/-131.960 χ^2/NDF:51.2/53

Out: -103.891+/-131.487 χ^2/NDF:48.3/56

All: -155.293+/-93.142 χ^2/NDF: 99.8/110

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.703+/-0.131 χ^2/NDF: 20950.7/30

Left Out: 785.031+/-0.132 χ^2/NDF:9367.9/23

Right Out: 777.356+/-0.131 χ^2/NDF: 29970.3/32

Left In: 785.592+/-0.133 χ^2/NDF:9373.7/22

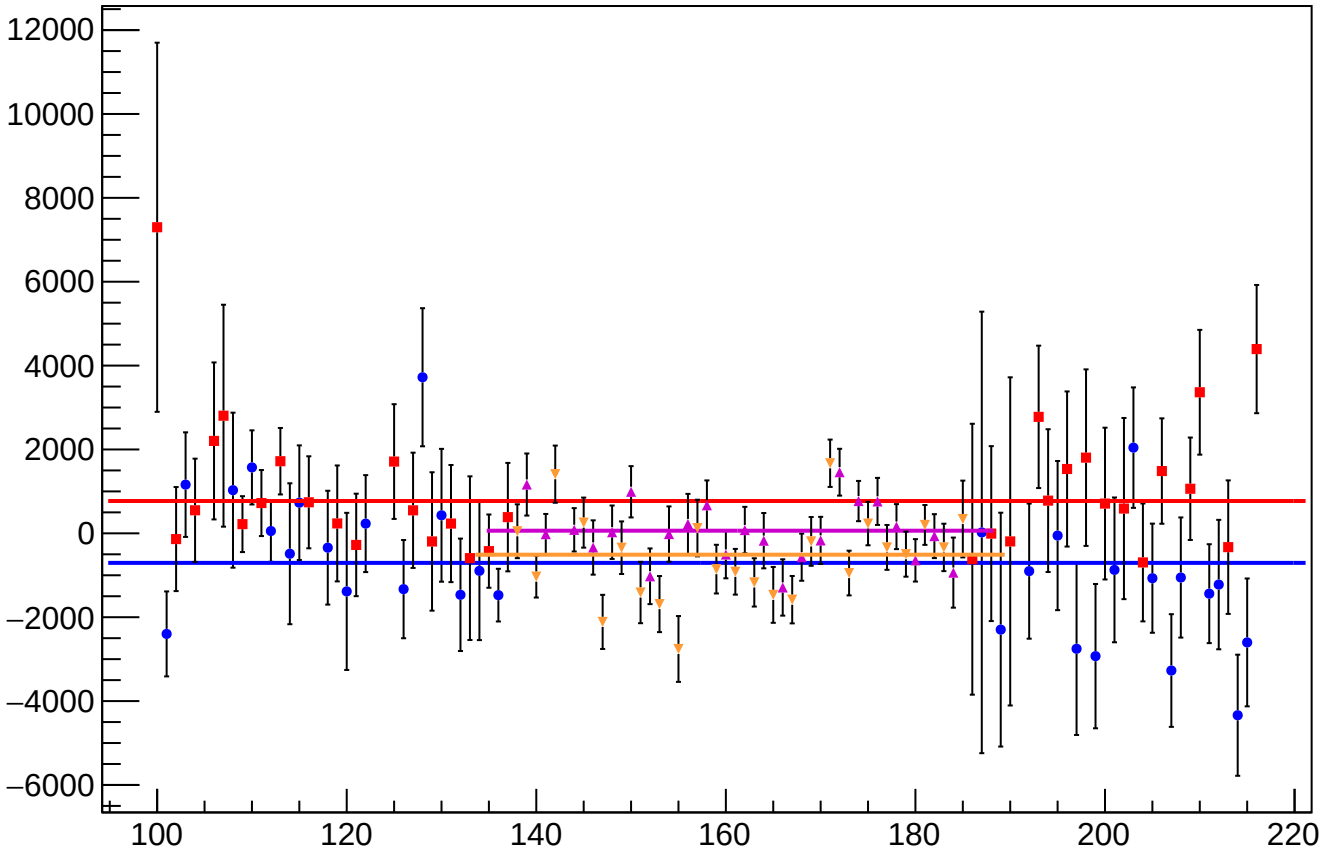
Left: 785.309+/-0.094 χ^2/NDF: 18750.6/46

Right: 774.531+/-0.093 χ^2/NDF: 51850.7/63

In: 778.559+/-0.093 χ^2/NDF:35862.7/53

Out: 781.169+/-0.093 χ^2/NDF:41041.5/56

All: 779.869+/-0.066 χ^2/NDF: 77296.8/110



Right In: -704.412+/-233.056 χ^2/NDF: 44.5/30

Left Out: -509.311+/-121.190 χ^2/NDF:60.5/23

Right Out: 771.111+/-231.927 χ^2/NDF: 23.2/32

Left In: 62.768+/-122.045 χ^2/NDF:28.8/22

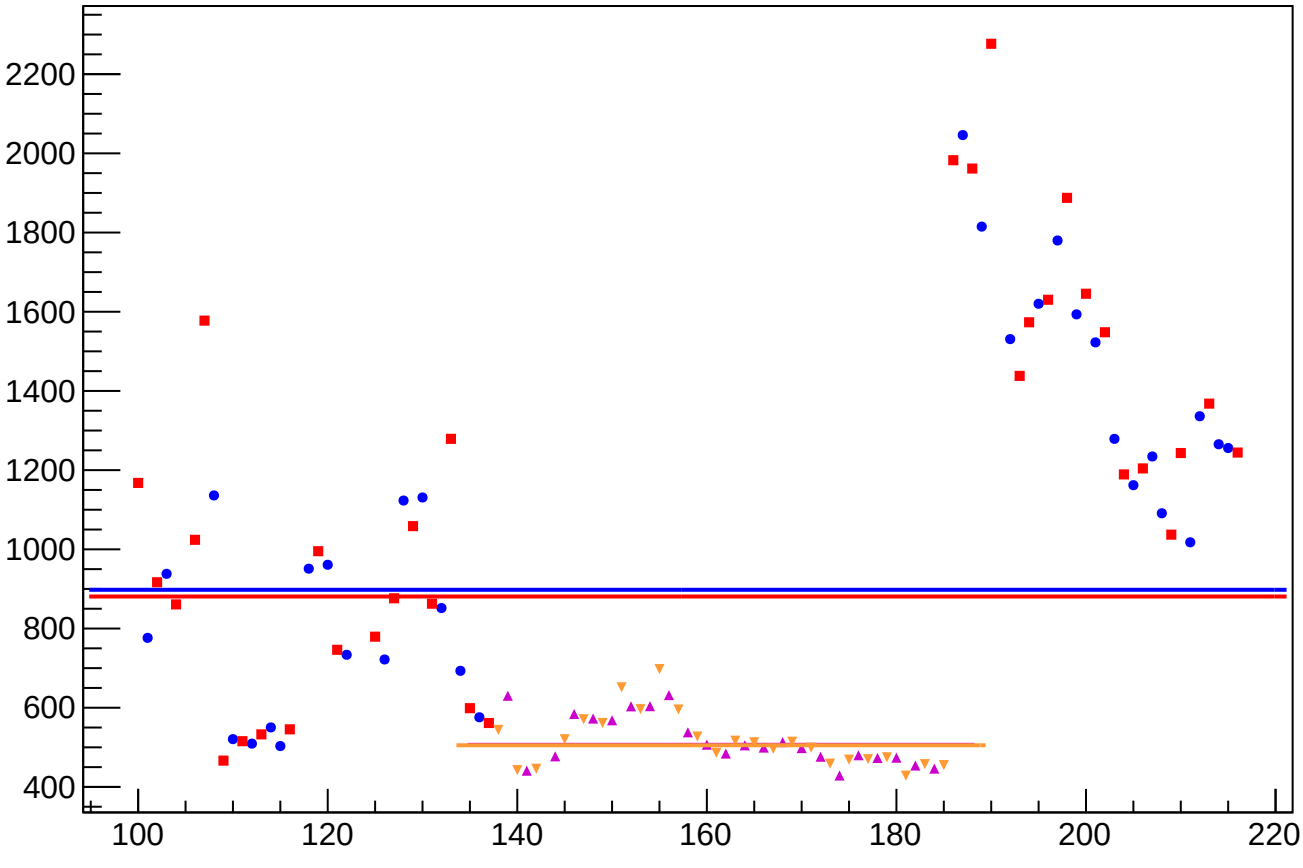
Left: -225.283+/-85.995 χ^2/NDF: 100.4/46

Right: 36.934+/-164.395 χ^2/NDF: 87.8/63

In: -102.341+/-108.118 χ^2/NDF:81.8/53

Out: -234.684+/-107.410 χ^2/NDF:107.7/56

All: -168.947+/-76.199 χ^2/NDF: 190.2/110



Right In: 897.848+/-0.165 χ^2/NDF: 4686184.9/30

Left Out: 505.220+/-0.086 χ^2/NDF:485593.0/23

Right Out: 880.887+/-0.164 χ^2/NDF: 6009321.0/32

Left In: 506.380+/-0.086 χ^2/NDF:436294.4/22

Left: 505.796+/-0.061 χ^2/NDF: 921978.4/46

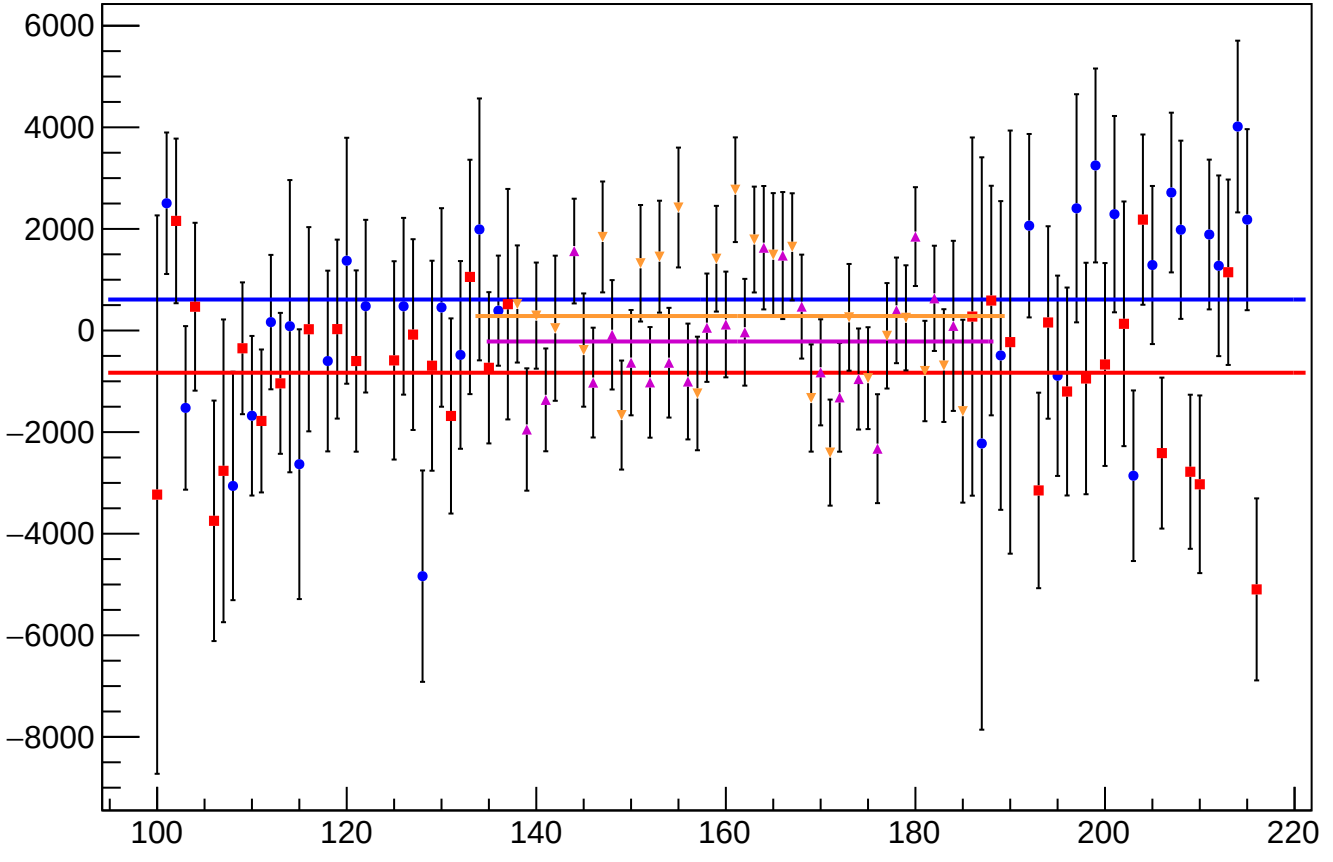
Right: 889.327+/-0.116 χ^2/NDF: 10700828.0/63

In: 590.630+/-0.076 χ^2/NDF:9550924.2/53

Out: 585.794+/-0.076 χ^2/NDF:10616758.2/56

All: 588.196+/-0.054 χ^2/NDF: 20169696.3/11

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 610.288+/-321.568 χ^2/NDF: 35.6/30

Left Out: 285.144+/-224.378 χ^2/NDF:38.3/23

Right Out: -831.106+/-326.561 χ^2/NDF: 25.5/32

Left In: -216.121+/-225.600 χ^2/NDF:24.4/22

Left: 35.874+/-159.089 χ^2/NDF: 65.2/46

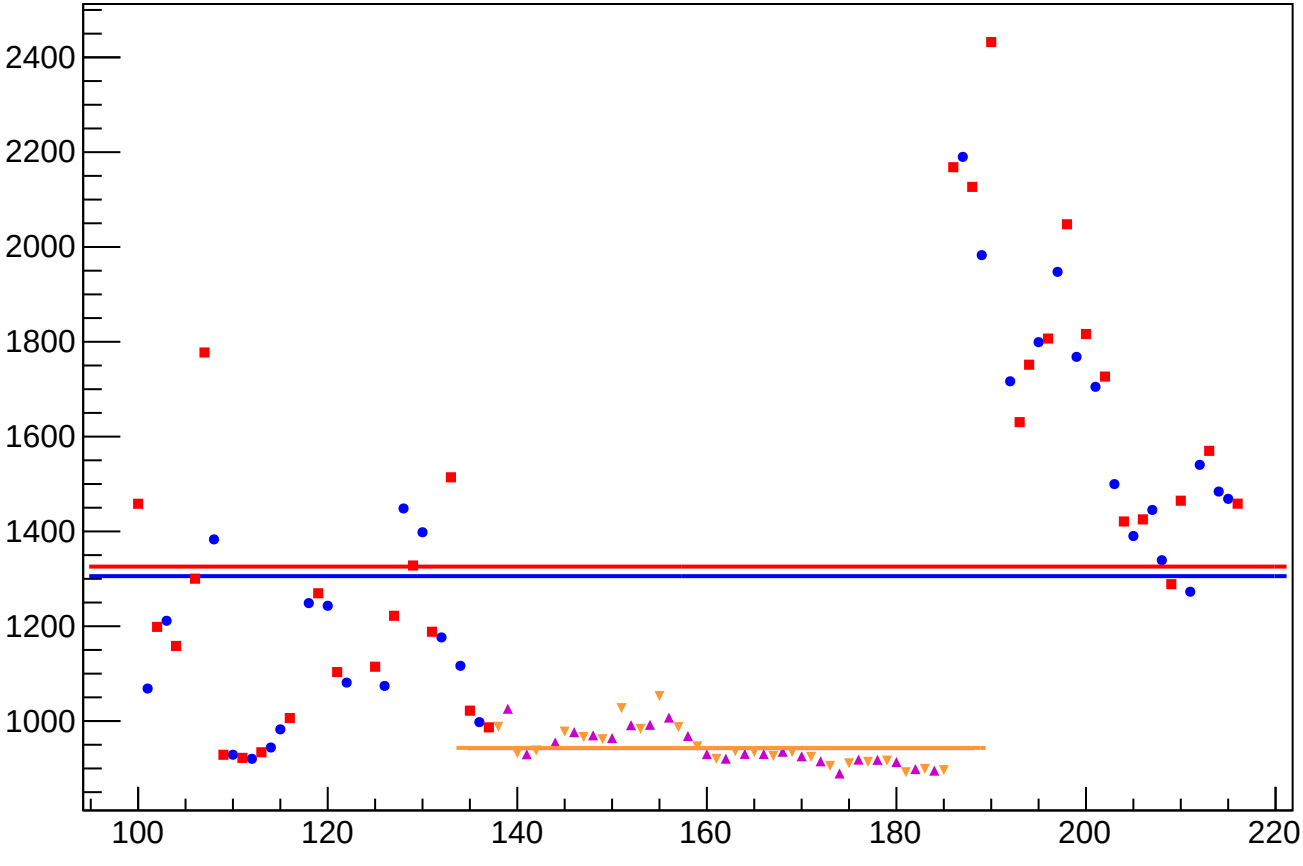
Right: -99.306+/-229.128 χ^2/NDF: 71.0/63

In: 56.466+/-184.683 χ^2/NDF:64.5/53

Out: -72.834+/-184.932 χ^2/NDF:71.7/56

All: -8.097+/-130.678 χ^2/NDF: 136.4/110

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1305.661+/-0.227 χ^2/NDF: 1550466.3/30

Left Out: 943.351+/-0.159 χ^2/NDF:60365.2/23

Right Out: 1325.817+/-0.231 χ^2/NDF: 2077307.8/32

Left In: 942.927+/-0.160 χ^2/NDF:48402.9/22

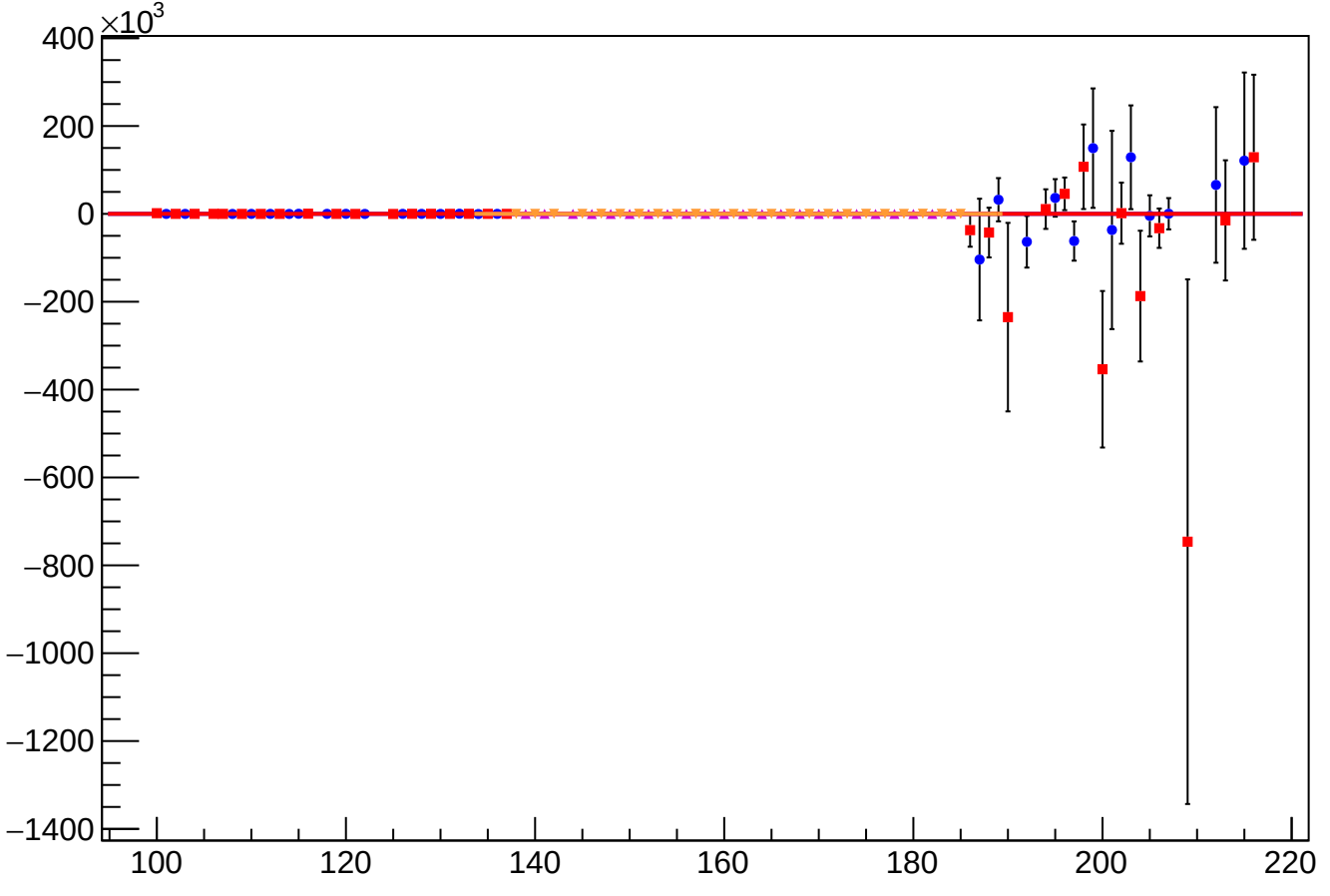
Left: 943.140+/-0.112 χ^2/NDF: 108771.7/46

Right: 1315.584+/-0.162 χ^2/NDF: 3631642.4/63

In: 1062.573+/-0.131 χ^2/NDF:3304315.5/53

Out: 1066.007+/-0.131 χ^2/NDF:4001275.4/56

All: 1064.287+/-0.092 χ^2/NDF: 7305936.1/11



Right In: -15.553+/-30.032 χ^2/NDF: 23.7/27

Left Out: 3.710+/-21.467 χ^2/NDF:22.4/23

Right Out: 31.727+/-30.492 χ^2/NDF: 30.4/30

Left In: -22.931+/-21.584 χ^2/NDF:22.5/22

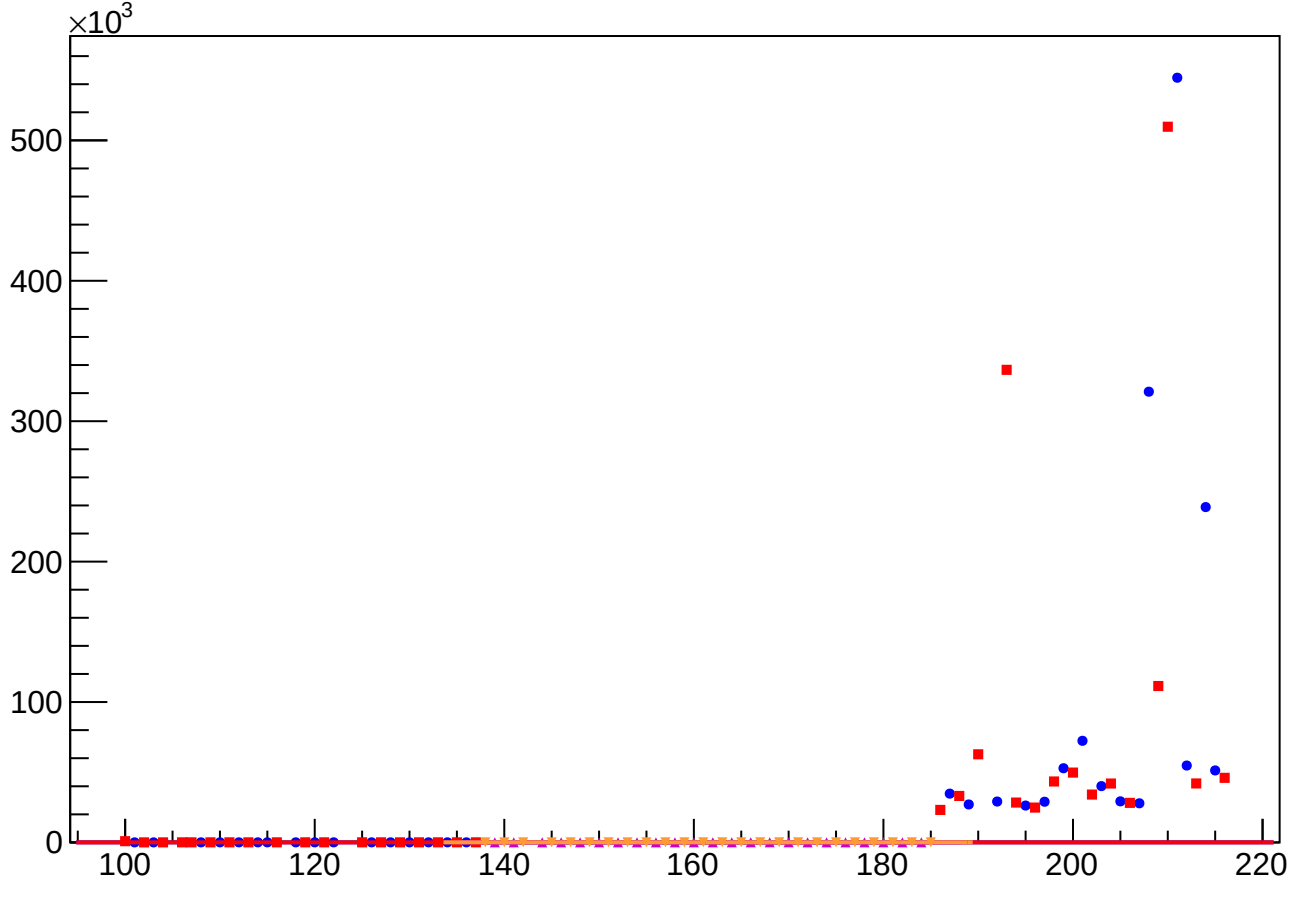
Left: -9.538+/-15.221 χ^2/NDF: 45.7/46

Right: 7.728+/-21.397 χ^2/NDF: 55.4/58

In: -20.418+/-17.527 χ^2/NDF:46.2/50

Out: 12.995+/-17.553 χ^2/NDF:53.5/54

All: -3.736+/-12.403 χ^2/NDF: 101.5/105



Right In: 76.142+/-0.021 χ^2/NDF: 6711465.2/30

Left Out: 89.692+/-0.015 χ^2/NDF:466281.5/23

Right Out: 79.459+/-0.022 χ^2/NDF: 6321806.1/32

Left In: 89.596+/-0.015 χ^2/NDF:508511.1/22

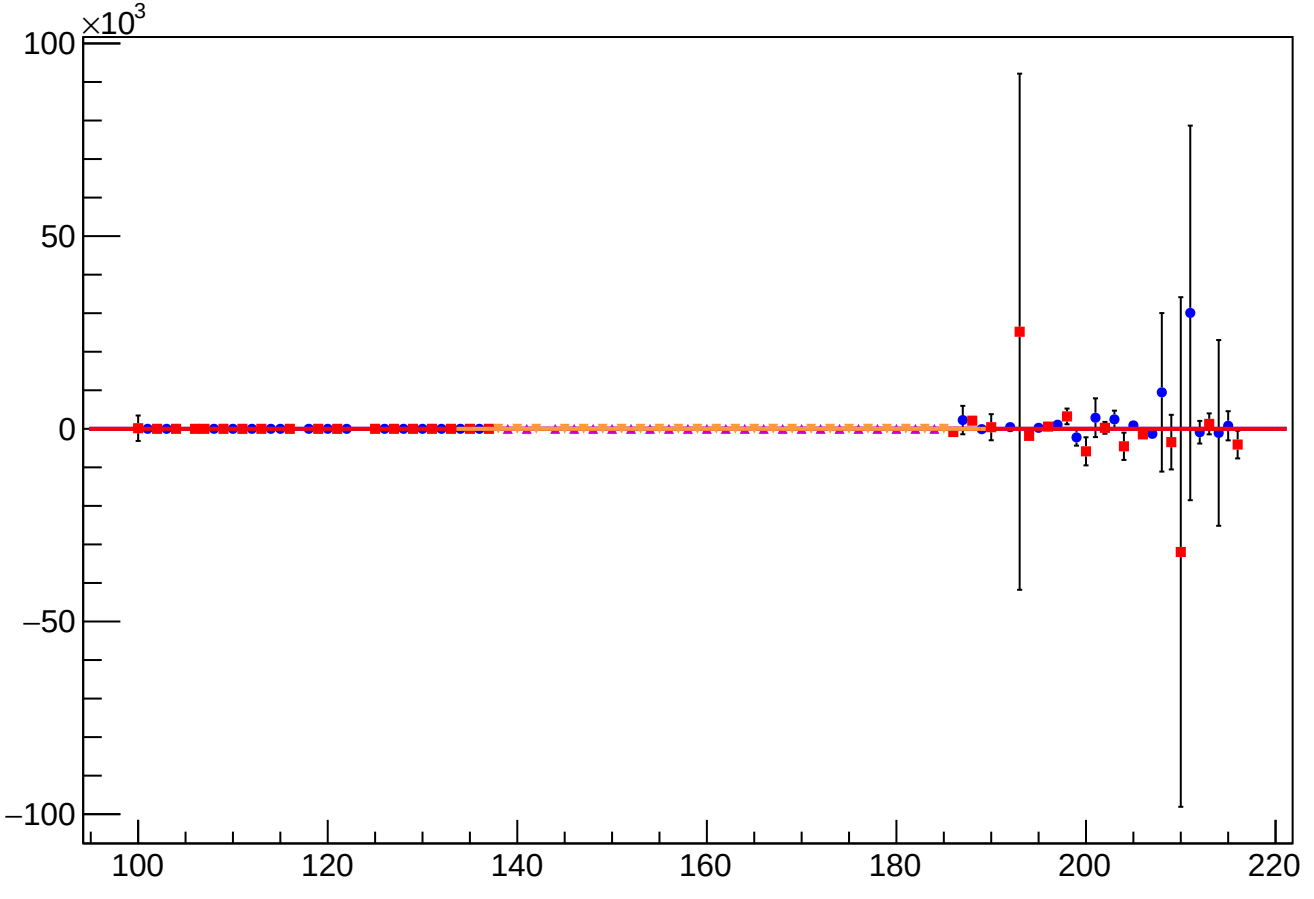
Left: 89.644+/-0.011 χ^2/NDF: 974812.8/46

Right: 77.775+/-0.015 χ^2/NDF: 13045289.0/63

In: 85.013+/-0.012 χ^2/NDF:7484641.6/53

Out: 86.301+/-0.012 χ^2/NDF:6938691.2/56

All: 85.656+/-0.009 χ^2/NDF: 14428723.5/110



Right In: -0.290+/-0.502 χ^2/NDF: 31.6/30

Left Out: 0.126+/-0.377 χ^2/NDF:21.3/23

Right Out: 0.038+/-0.525 χ^2/NDF: 31.0/32

Left In: -0.519+/-0.387 χ^2/NDF:26.3/22

Left: -0.188+/-0.270 χ^2/NDF: 49.1/46

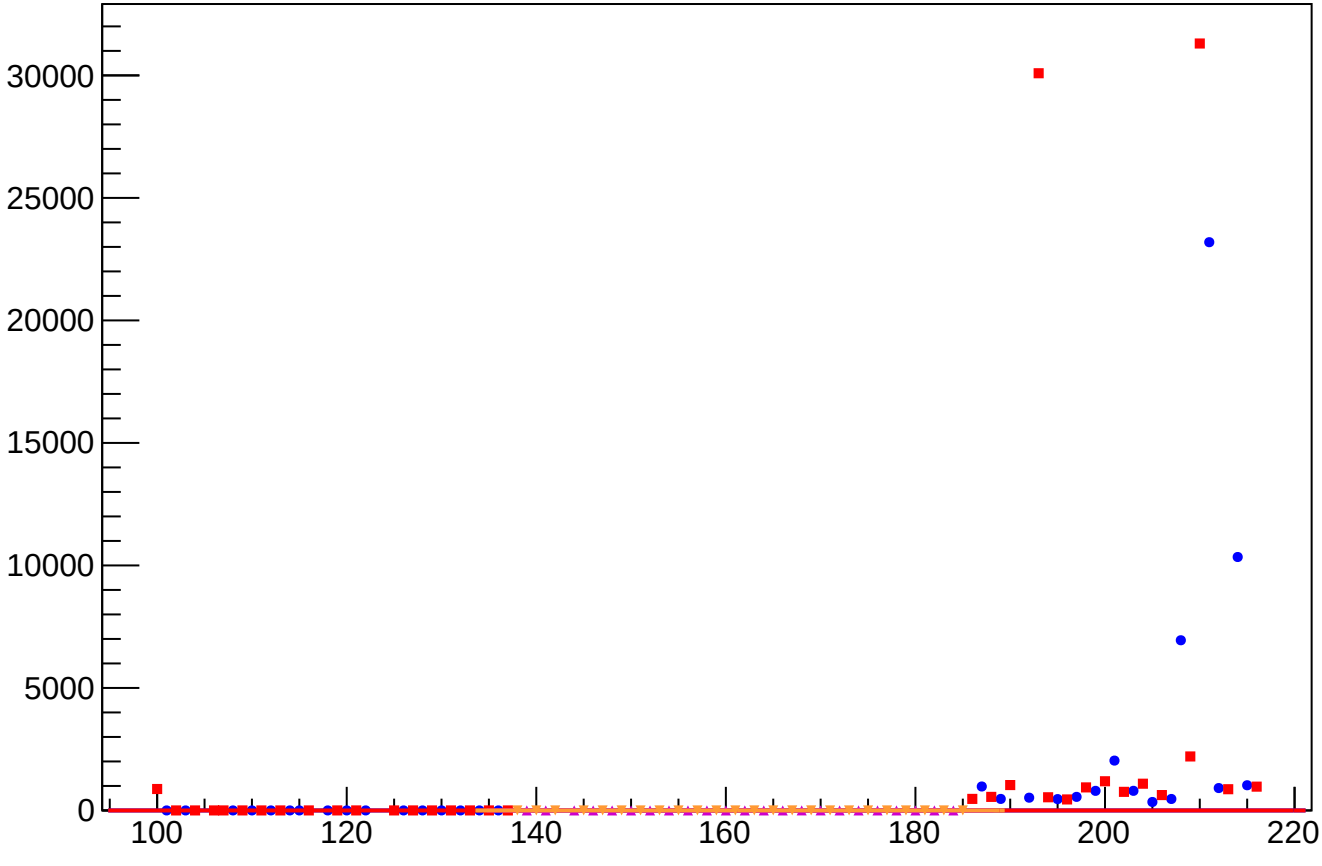
Right: -0.133+/-0.363 χ^2/NDF: 62.8/63

In: -0.433+/-0.306 χ^2/NDF:58.1/53

Out: 0.096+/-0.306 χ^2/NDF:52.3/56

All: -0.168+/-0.217 χ^2/NDF: 111.9/110

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.153+/-0.000 χ^2/NDF: 6718375.7/30

Left Out: 1.408+/-0.000 χ^2/NDF:987553.0/23

Right Out: 1.260+/-0.000 χ^2/NDF: 6962021.4/32

Left In: 1.453+/-0.000 χ^2/NDF:995852.2/22

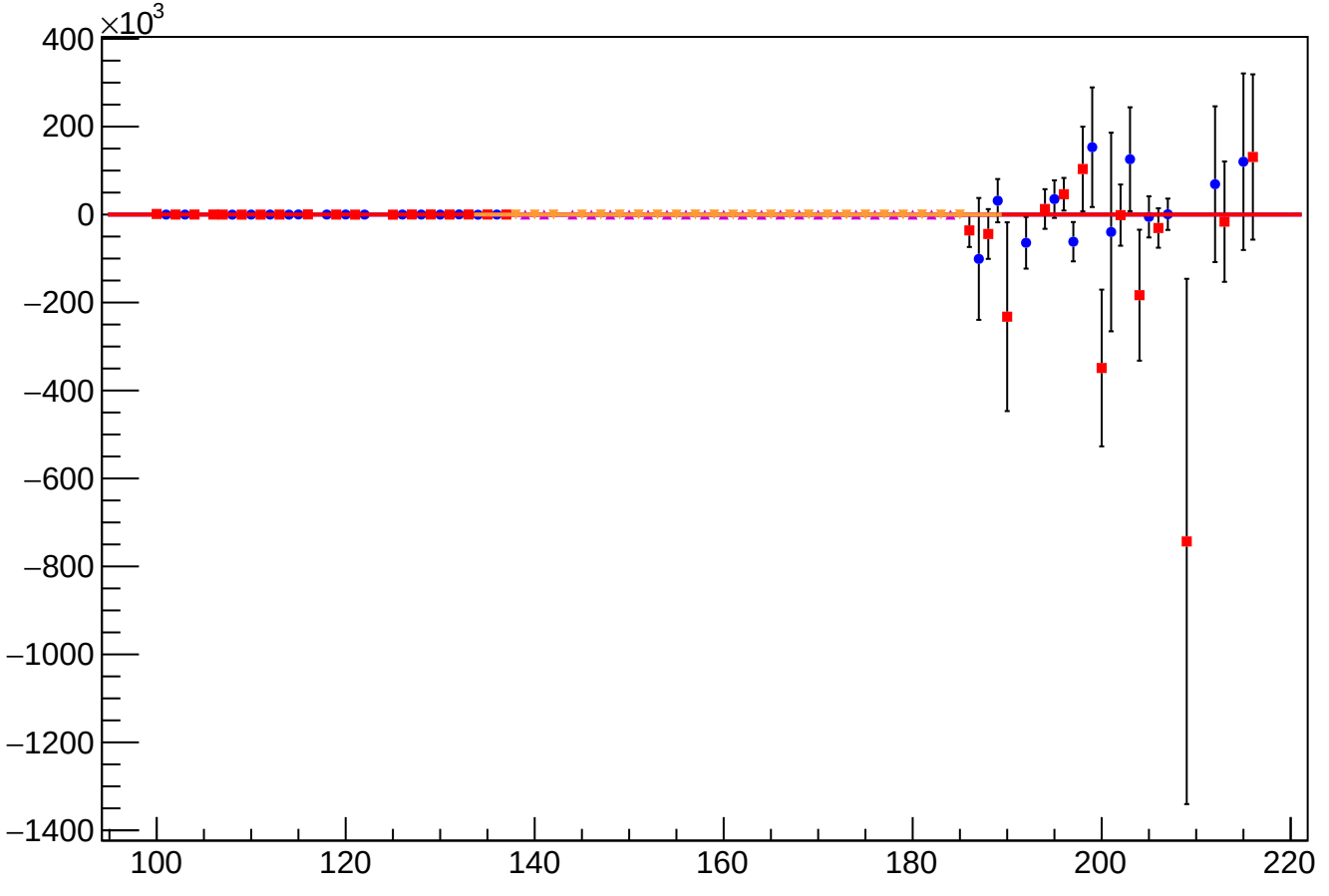
Left: 1.430+/-0.000 χ^2/NDF: 1997169.8/46

Right: 1.204+/-0.000 χ^2/NDF: 13723783.3/63

In: 1.341+/-0.000 χ^2/NDF:8162372.1/53

Out: 1.358+/-0.000 χ^2/NDF:8054612.3/56

All: 1.350+/-0.000 χ^2/NDF: 16219949.2/110



Right In: -14.489+/-30.040 χ^2/NDF: 23.9/27

Left Out: 3.497+/-21.474 χ^2/NDF:22.1/23

Right Out: 32.008+/-30.500 χ^2/NDF: 30.1/30

Left In: -22.446+/-21.591 χ^2/NDF:22.3/22

Left: -9.404+/-15.226 χ^2/NDF: 45.2/46

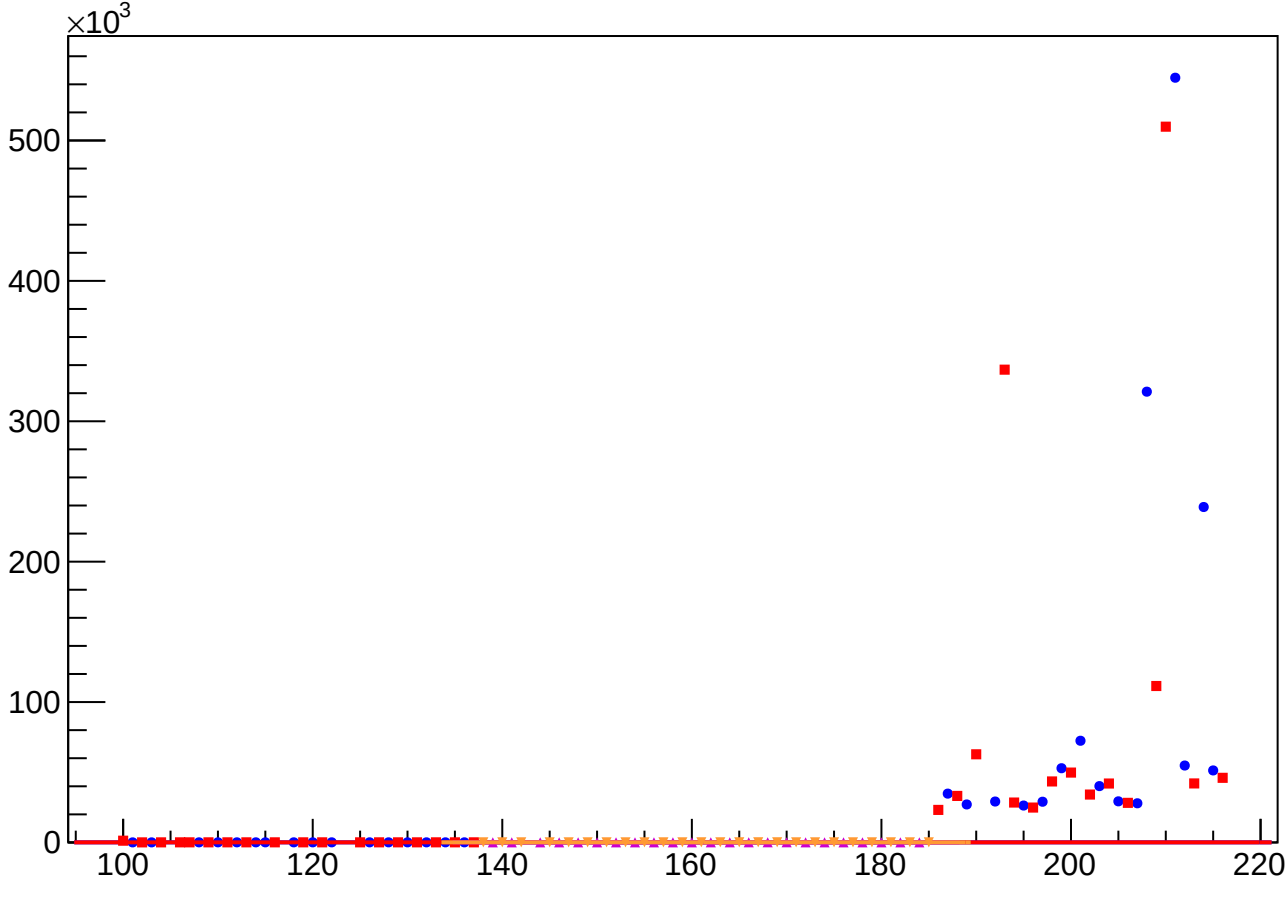
Right: 8.406+/-21.402 χ^2/NDF: 55.2/58

In: -19.736+/-17.532 χ^2/NDF:46.3/50

Out: 12.946+/-17.559 χ^2/NDF:52.8/54

All: -3.419+/-12.407 χ^2/NDF: 100.8/105

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.161+/-0.021 χ^2/NDF: 6711571.8/30

Left Out: 89.719+/-0.015 χ^2/NDF:467023.5/23

Right Out: 79.463+/-0.022 χ^2/NDF: 6328421.3/32

Left In: 89.622+/-0.015 χ^2/NDF:509391.8/22

Left: 89.671+/-0.011 χ^2/NDF: 976435.5/46

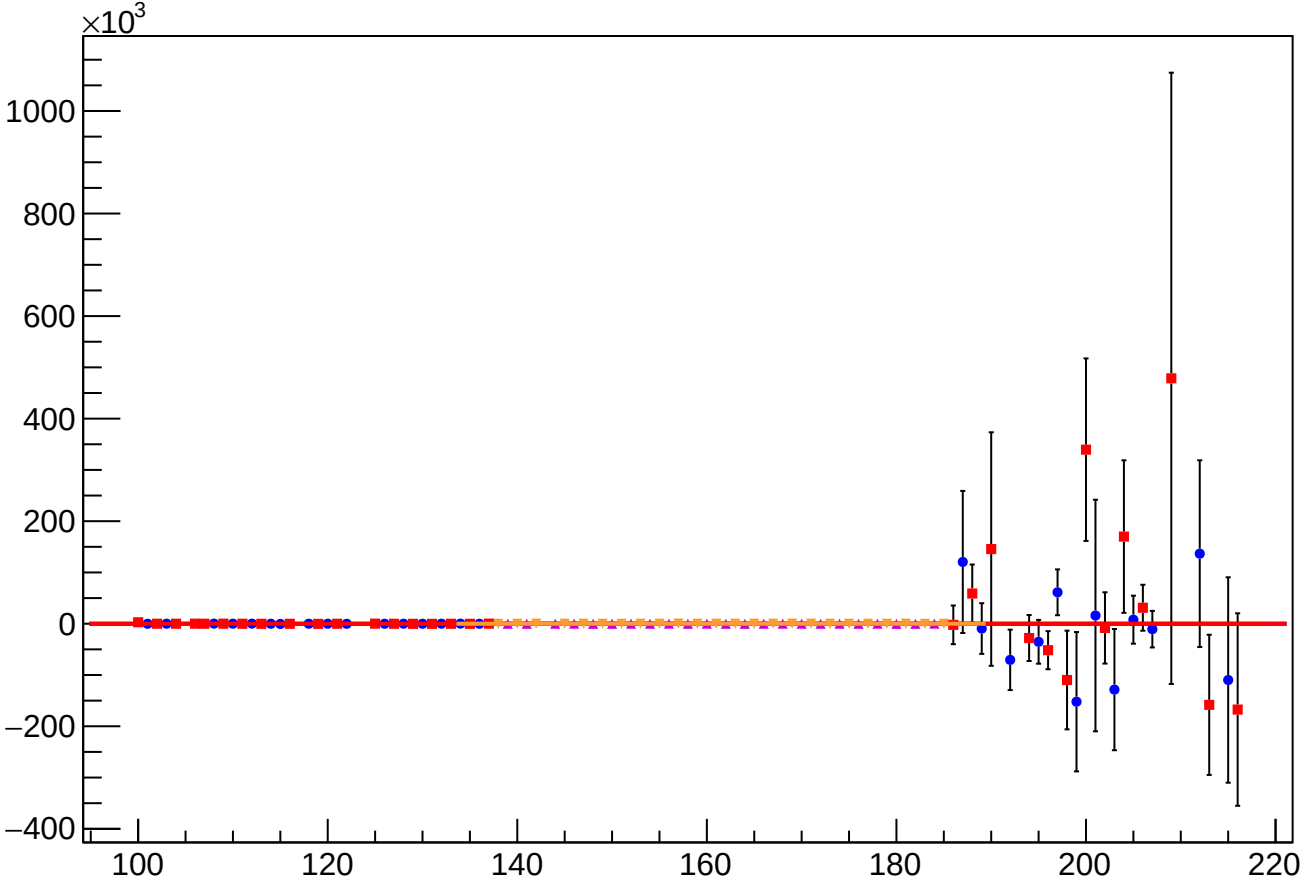
Right: 77.787+/-0.015 χ^2/NDF: 13051885.6/63

In: 85.037+/-0.012 χ^2/NDF:7485750.9/53

Out: 86.320+/-0.012 χ^2/NDF:6946649.5/56

All: 85.677+/-0.009 χ^2/NDF: 14437745.1/110

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 8.089+/-30.012 χ^2/NDF: 22.2/27

Left Out: 15.274+/-21.472 χ^2/NDF:17.2/23

Right Out: -25.796+/-30.473 χ^2/NDF: 26.1/30

Left In: 43.424+/-21.593 χ^2/NDF:31.4/22

Left: 29.270+/-15.226 χ^2/NDF: 49.5/46

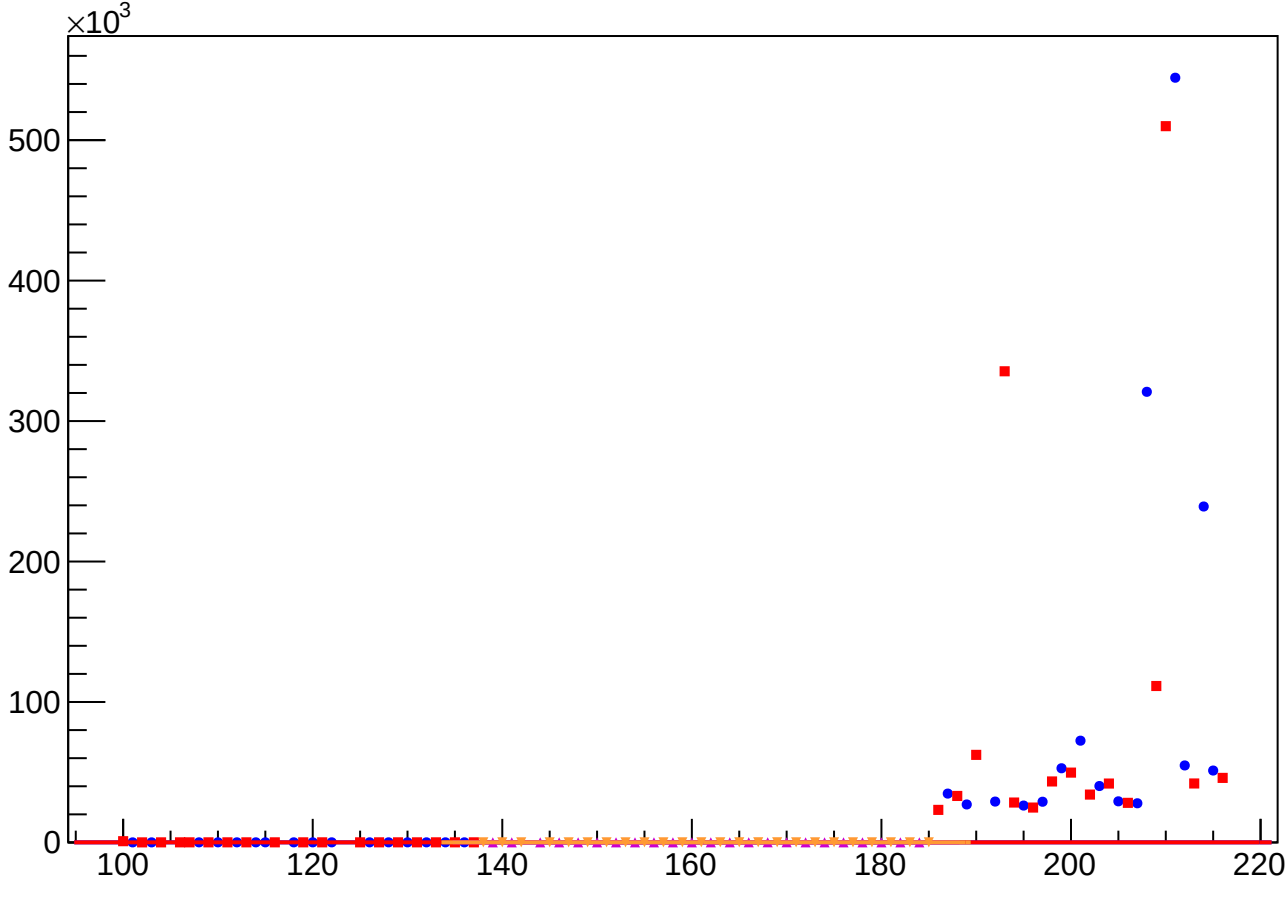
Right: -8.595+/-21.383 χ^2/NDF: 49.0/58

In: 31.371+/-17.528 χ^2/NDF:54.6/50

Out: 1.648+/-17.552 χ^2/NDF:44.5/54

All: 16.530+/-12.403 χ^2/NDF: 100.5/105

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.092+/-0.021 χ^2/NDF: 6710880.8/30

Left Out: 89.712+/-0.015 χ^2/NDF:465096.2/23

Right Out: 79.411+/-0.022 χ^2/NDF: 6320989.9/32

Left In: 89.628+/-0.015 χ^2/NDF:511042.3/22

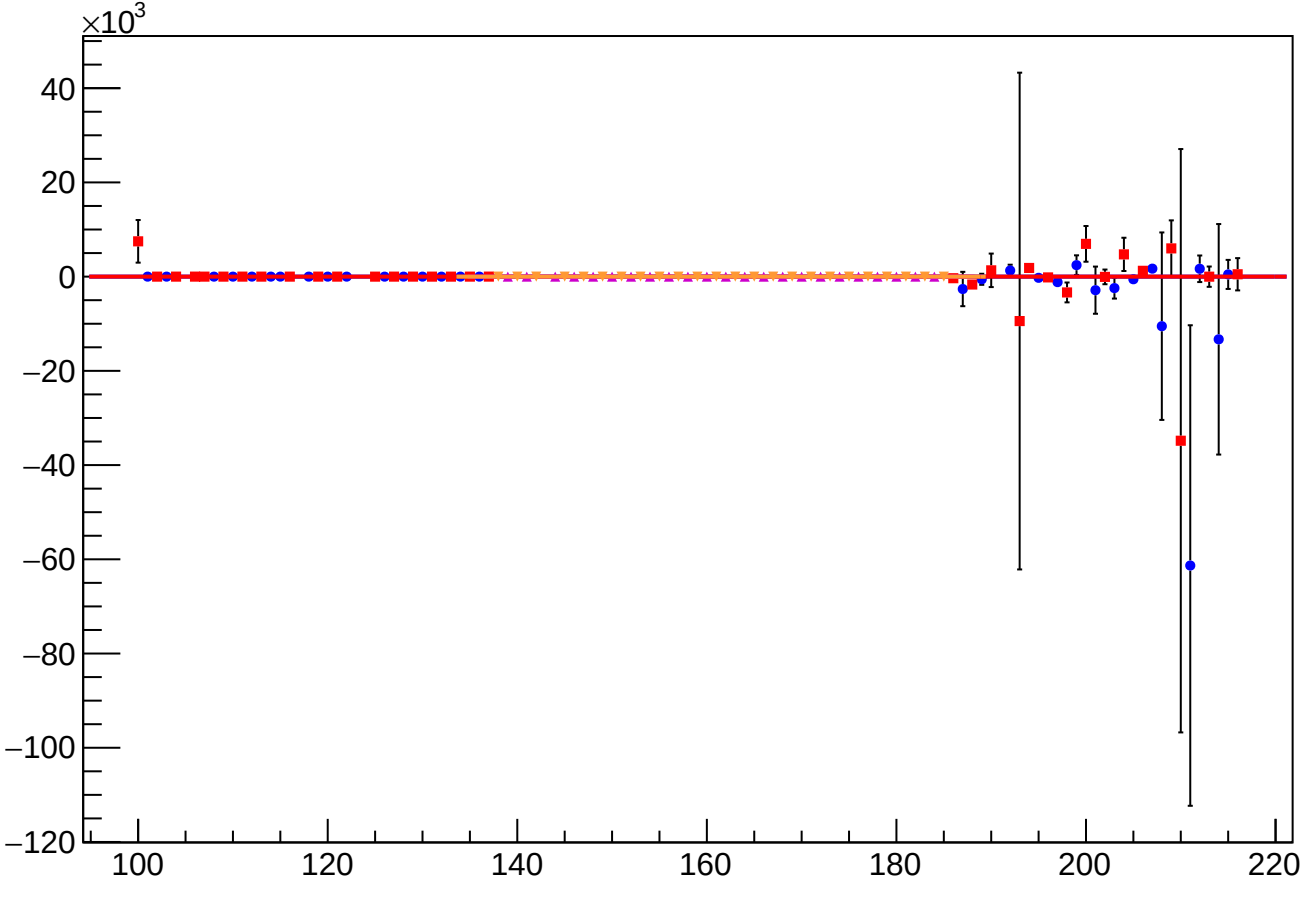
Left: 89.670+/-0.011 χ^2/NDF: 976153.9/46

Right: 77.726+/-0.015 χ^2/NDF: 13043909.4/63

In: 85.011+/-0.012 χ^2/NDF:7489965.5/53

Out: 86.294+/-0.012 χ^2/NDF:6938814.9/56

All: 85.652+/-0.009 χ^2/NDF: 14434133.3/110



Right In: 0.893+/-0.531 χ^2/NDF: 27.8/30

Left Out: -0.516+/-0.391 χ^2/NDF:20.7/23

Right Out: 0.348+/-0.549 χ^2/NDF: 32.0/32

Left In: -0.072+/-0.390 χ^2/NDF:20.4/22

Left: -0.293+/-0.276 χ^2/NDF: 41.7/46

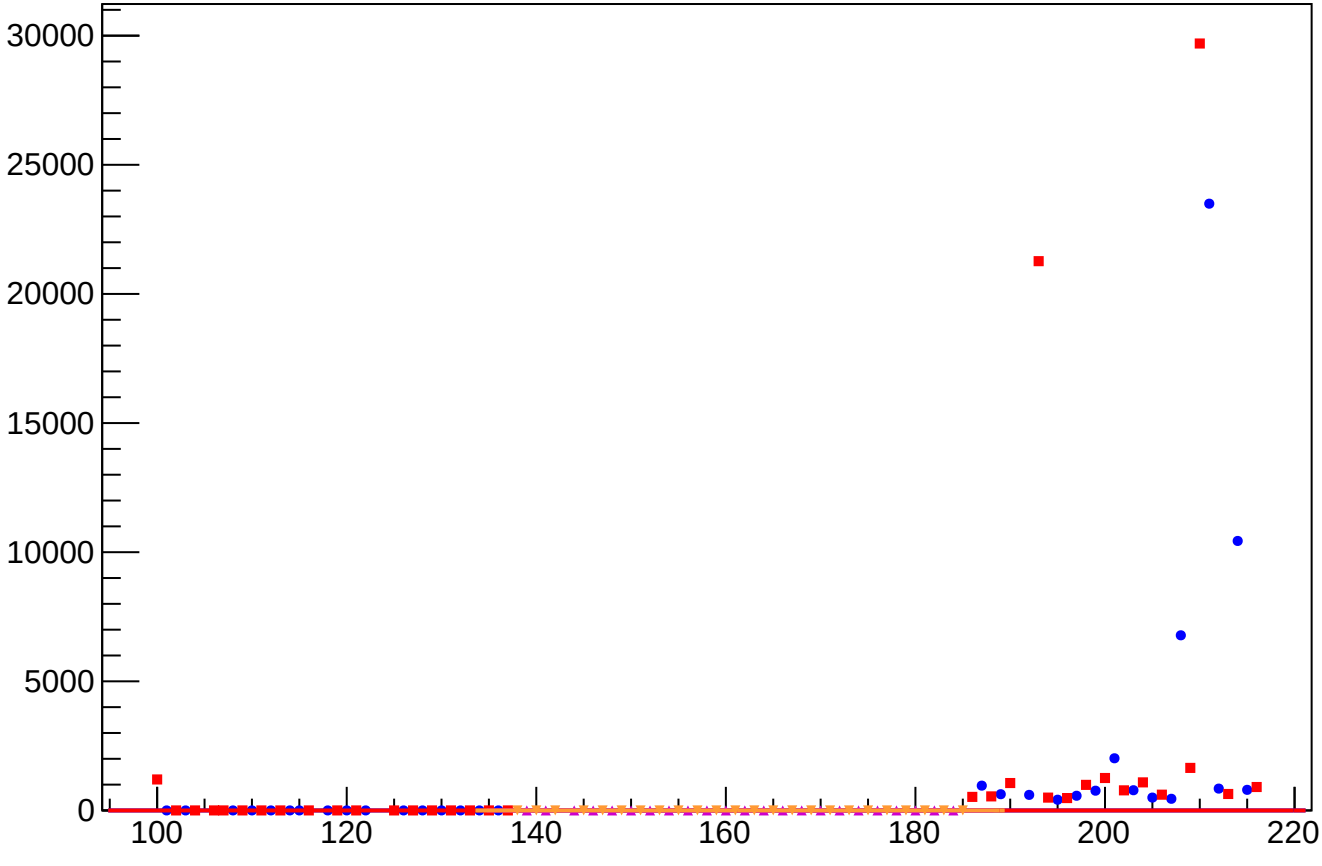
Right: 0.629+/-0.382 χ^2/NDF: 60.4/63

In: 0.267+/-0.315 χ^2/NDF:50.3/53

Out: -0.225+/-0.318 χ^2/NDF:54.4/56

All: 0.024+/-0.224 χ^2/NDF: 105.9/110

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.234+/-0.000 χ^2/NDF: 6947134.4/30

Left Out: 1.470+/-0.000 χ^2/NDF:1154842.2/23

Right Out: 1.317+/-0.000 χ^2/NDF: 6851156.7/32

Left In: 1.461+/-0.000 χ^2/NDF:1048537.6/22

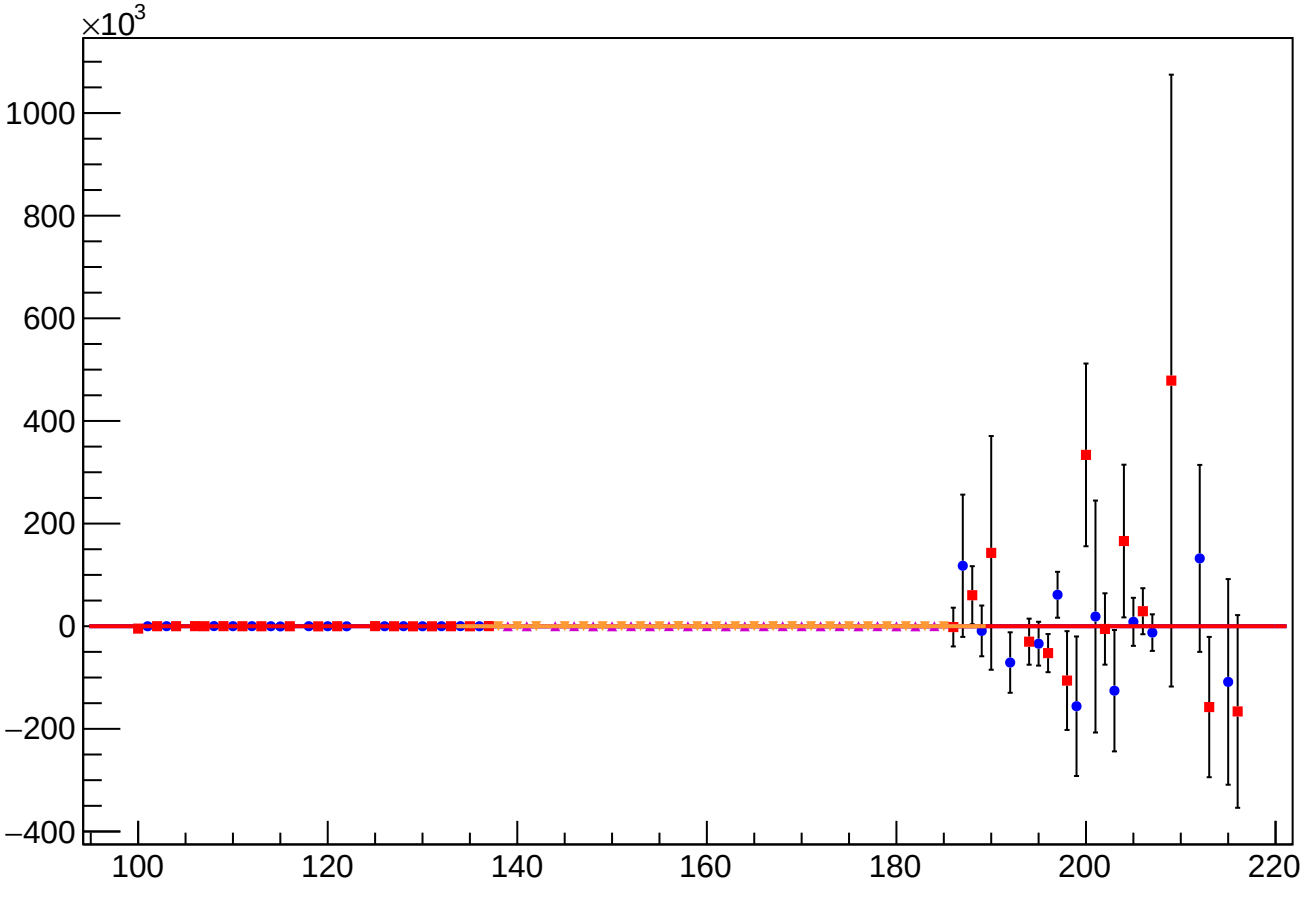
Left: 1.466+/-0.000 χ^2/NDF: 2203936.9/46

Right: 1.274+/-0.000 χ^2/NDF: 13821473.5/63

In: 1.382+/-0.000 χ^2/NDF:8232088.2/53

Out: 1.419+/-0.000 χ^2/NDF:8110001.4/56

All: 1.400+/-0.000 χ^2/NDF: 16355719.9/110



Right In: 7.381+/-30.020 χ^2/NDF: 22.1/27

Left Out: 15.770+/-21.479 χ^2/NDF:17.1/23

Right Out: -26.406+/-30.482 χ^2/NDF: 26.1/30

Left In: 43.905+/-21.600 χ^2/NDF:31.1/22

Left: 29.758+/-15.231 χ^2/NDF: 49.0/46

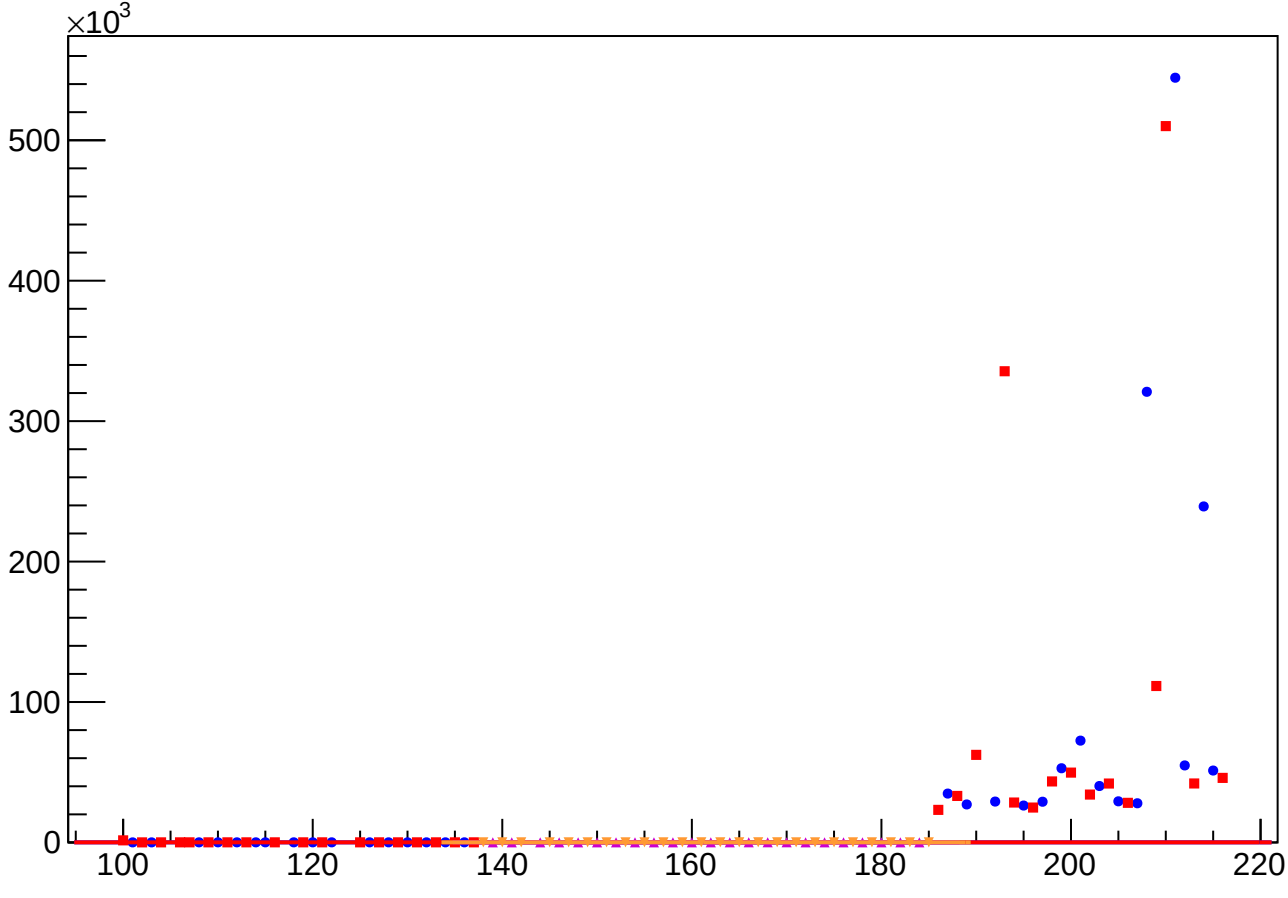
Right: -9.255+/-21.389 χ^2/NDF: 48.8/58

In: 31.446+/-17.533 χ^2/NDF:54.1/50

Out: 1.776+/-17.558 χ^2/NDF:44.5/54

All: 16.632+/-12.407 χ^2/NDF: 100.0/105

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.113+/-0.021 χ^2/NDF: 6711034.3/30

Left Out: 89.740+/-0.015 χ^2/NDF:465842.6/23

Right Out: 79.407+/-0.022 χ^2/NDF: 6330304.3/32

Left In: 89.655+/-0.015 χ^2/NDF:511848.9/22

Left: 89.697+/-0.011 χ^2/NDF: 977707.1/46

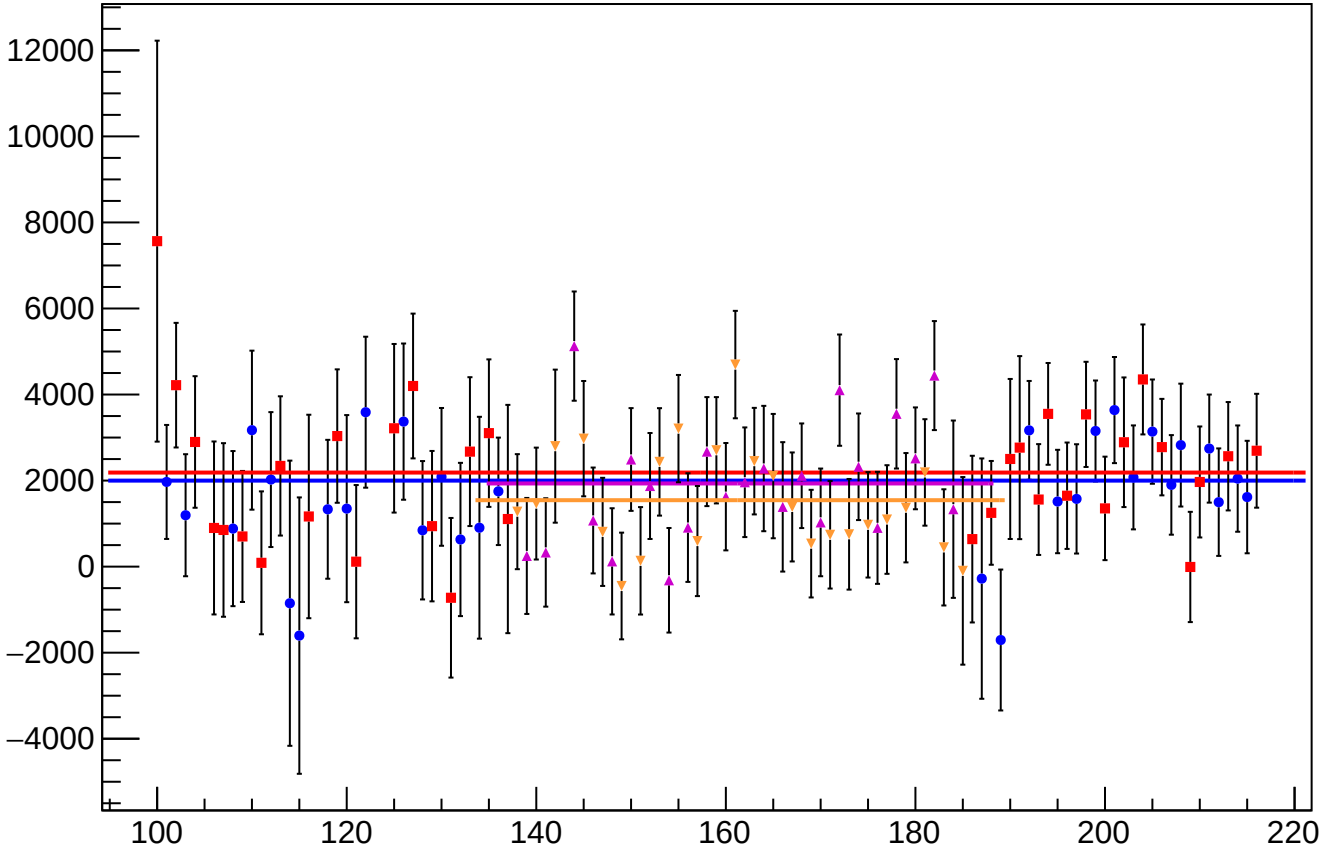
Right: 77.735+/-0.015 χ^2/NDF: 13053197.9/63

In: 85.035+/-0.012 χ^2/NDF:7491021.4/53

Out: 86.311+/-0.012 χ^2/NDF:6949700.9/56

All: 85.673+/-0.009 χ^2/NDF: 14446012.2/110

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1999.207+/-263.120 χ^2/NDF: 17.7/30

Left Out: 1544.102+/-266.270 χ^2/NDF:20.0/23

Right Out: 2186.347+/-261.410 χ^2/NDF: 25.3/33

Left In: 1933.000+/-268.006 χ^2/NDF:27.0/22

Left: 1737.287+/-188.892 χ^2/NDF: 48.0/46

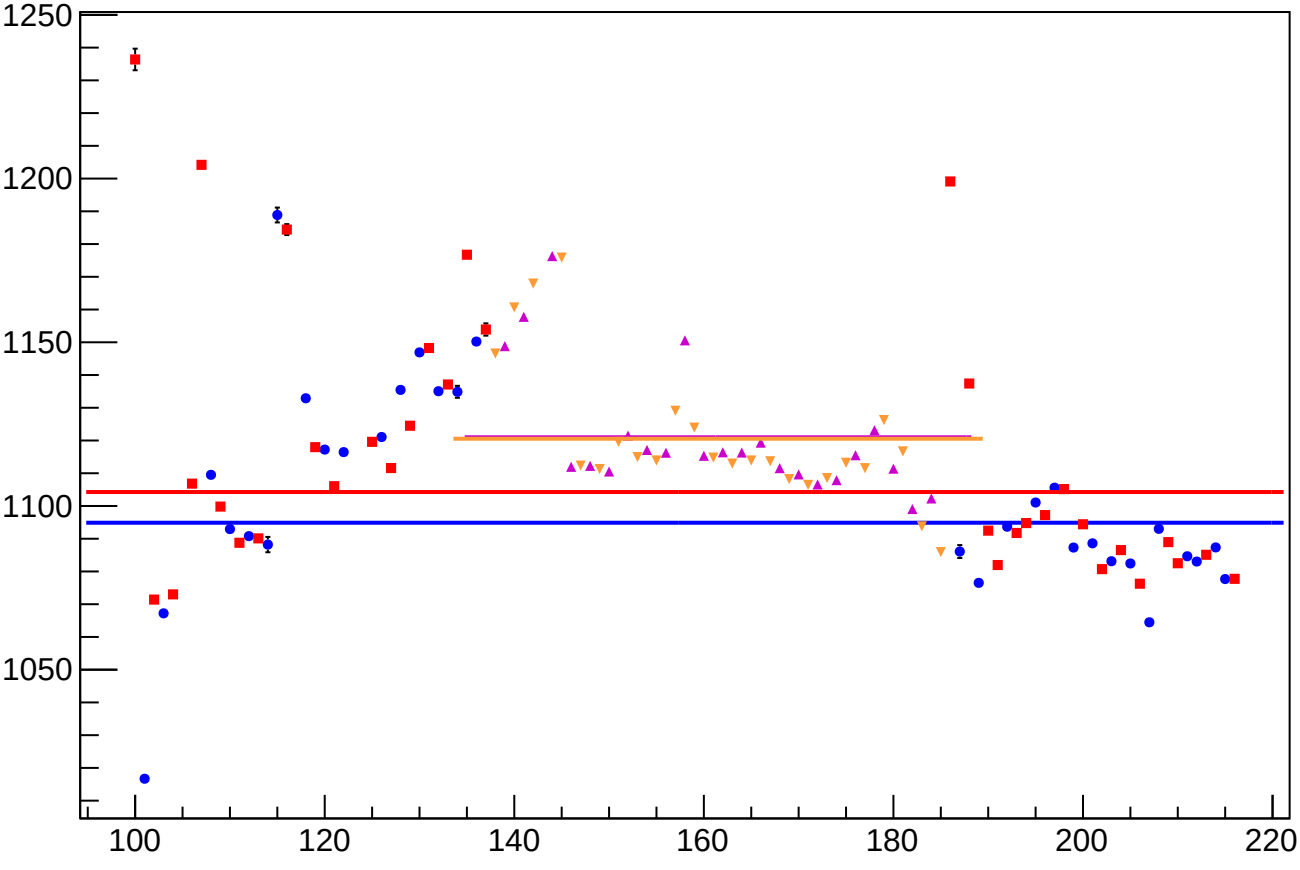
Right: 2093.387+/-185.447 χ^2/NDF: 43.3/64

In: 1966.712+/-187.758 χ^2/NDF:44.8/53

Out: 1871.139+/-186.539 χ^2/NDF:48.3/57

All: 1918.614+/-132.332 χ^2/NDF: 93.2/111

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1094.886+/-0.186 χ^2/NDF: 23565.1/30

Left Out: 1120.543+/-0.188 χ^2/NDF:10252.7/23

Right Out: 1104.266+/-0.185 χ^2/NDF: 29097.7/33

Left In: 1120.991+/-0.190 χ^2/NDF:9641.8/22

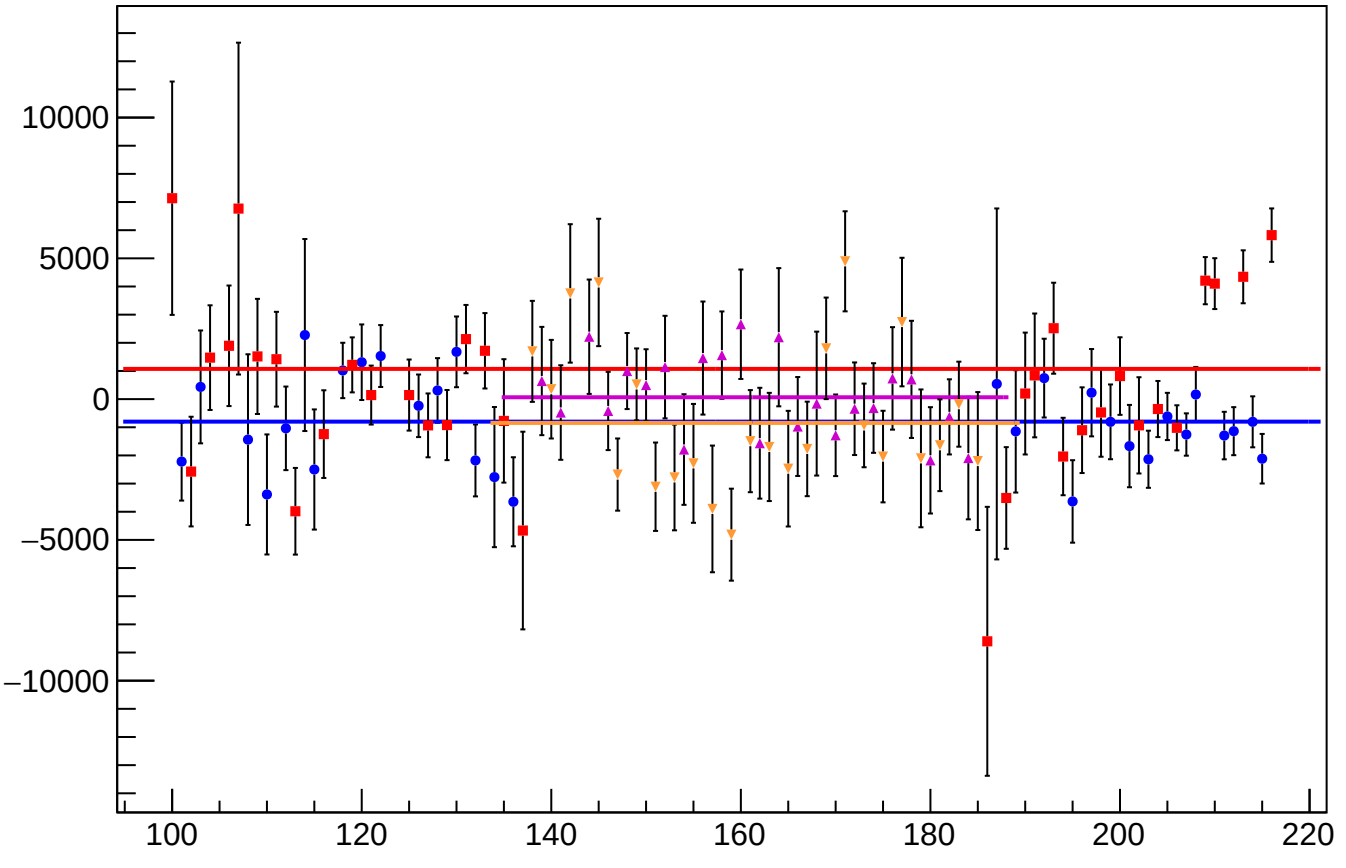
Left: 1120.765+/-0.134 χ^2/NDF: 19897.3/46

Right: 1099.607+/-0.131 χ^2/NDF: 53941.9/64

In: 1107.698+/-0.133 χ^2/NDF:42868.9/53

Out: 1112.255+/-0.132 χ^2/NDF:43155.9/57

All: 1109.991+/-0.094 χ^2/NDF: 86617.5/111



Right In: -799.526+/-219.194 χ^2/NDF: 36.6/30

Left Out: -845.009+/-361.141 χ^2/NDF:43.2/23

Right Out: 1073.692+/-231.444 χ^2/NDF: 123.6/33

Left In: 65.738+/-358.785 χ^2/NDF:12.1/22

Left: -386.655+/-254.528 χ^2/NDF: 58.6/46

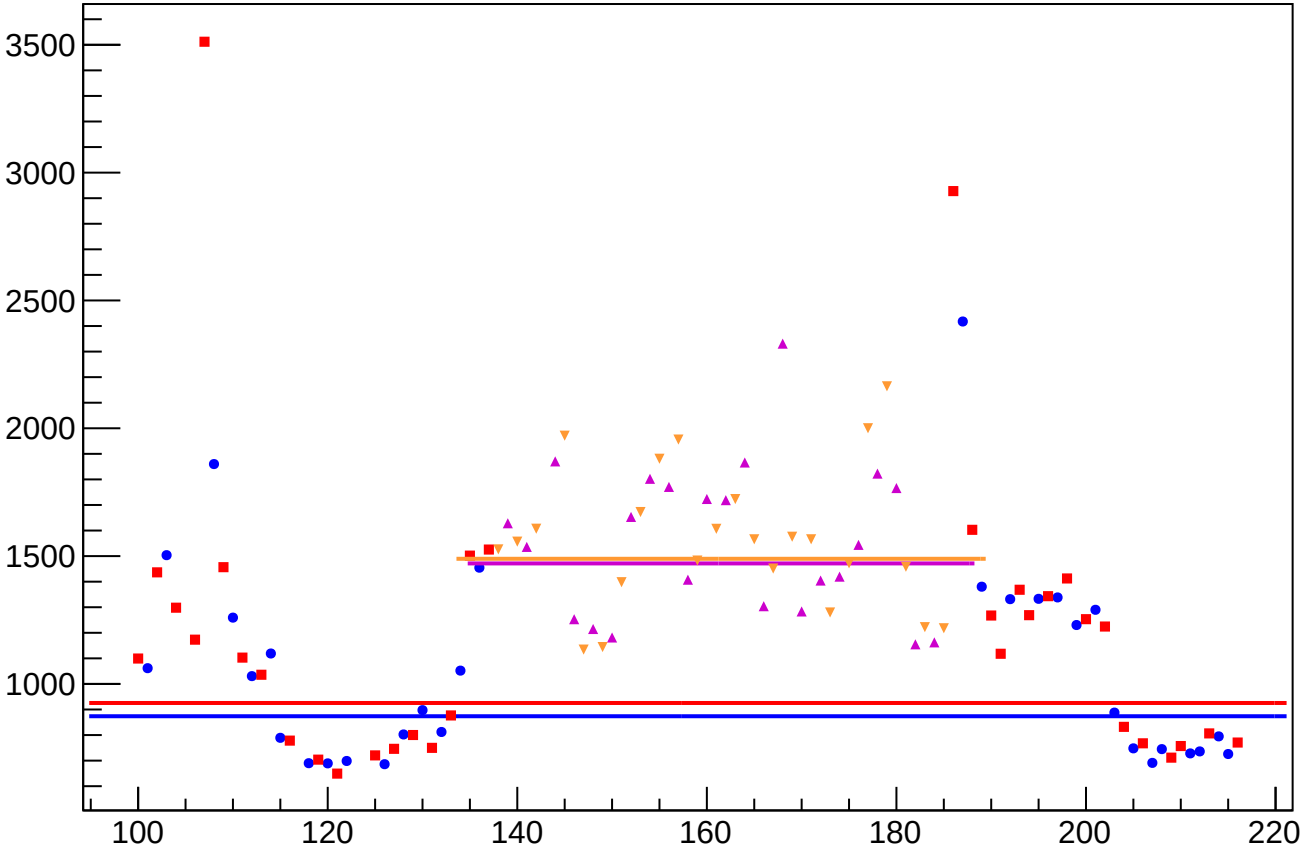
Right: 86.202+/-159.148 χ^2/NDF: 194.8/64

In: -564.352+/-187.049 χ^2/NDF:53.0/53

Out: 515.086+/-194.862 χ^2/NDF:186.9/57

All: -46.705+/-134.941 χ^2/NDF: 255.8/111

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 873.617+/-0.155 χ^2/NDF: 2565331.5/30

Left Out: 1489.507+/-0.255 χ^2/NDF:1009228.3/23

Right Out: 925.476+/-0.164 χ^2/NDF: 3296198.4/33

Left In: 1471.394+/-0.254 χ^2/NDF:1105310.5/22

Left: 1480.391+/-0.180 χ^2/NDF: 2117070.9/46

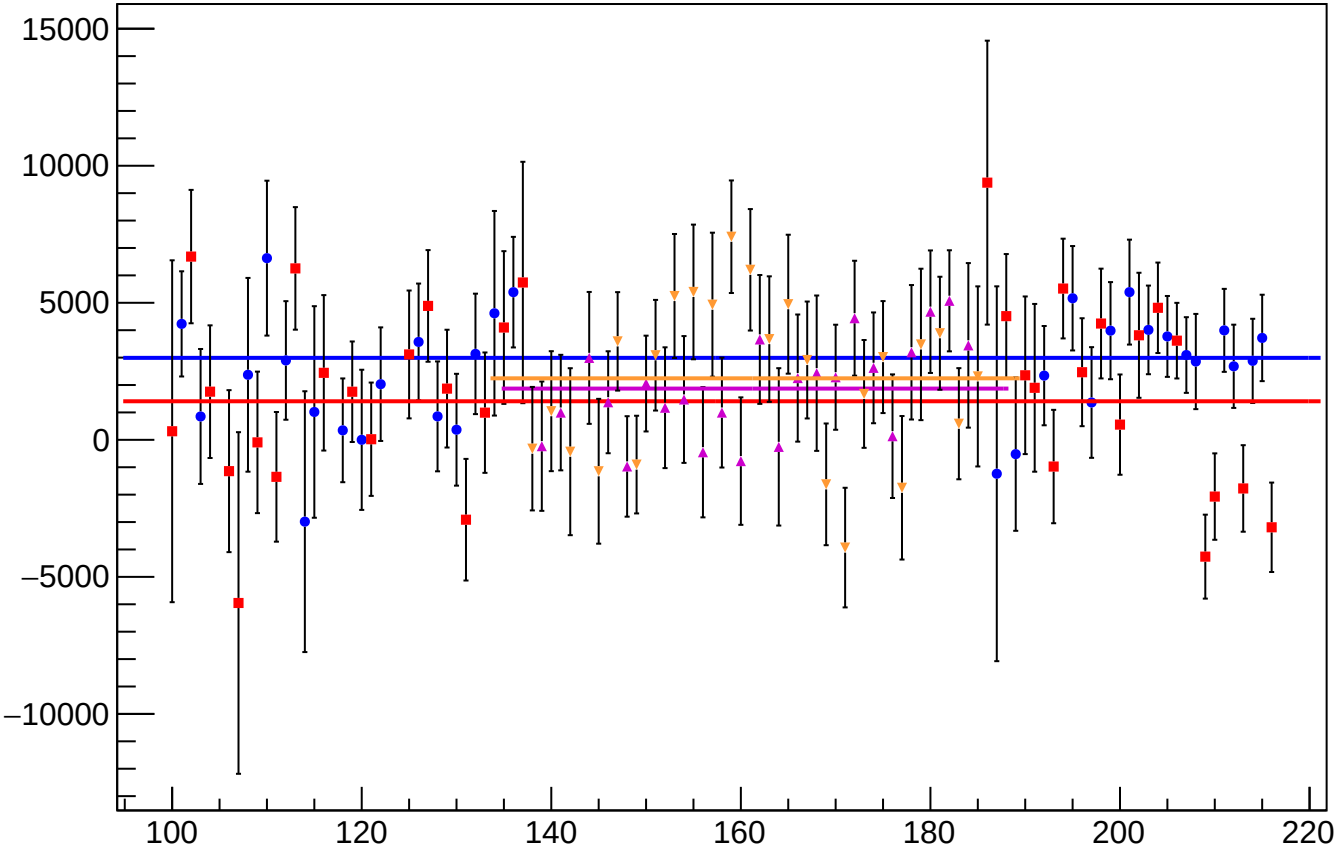
Right: 898.138+/-0.113 χ^2/NDF: 5914463.3/64

In: 1036.090+/-0.132 χ^2/NDF:7713529.0/53

Out: 1089.687+/-0.138 χ^2/NDF:7763583.2/57

All: 1061.792+/-0.095 χ^2/NDF: 15555858.9/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 2990.880+/-357.454 χ^2/NDF: 20.0/30

Left Out: 2244.415+/-456.474 χ^2/NDF:38.6/23

Right Out: 1406.897+/-367.245 χ^2/NDF: 75.0/33

Left In: 1869.792+/-455.465 χ^2/NDF:14.9/22

Left: 2056.689+/-322.419 χ^2/NDF: 53.8/46

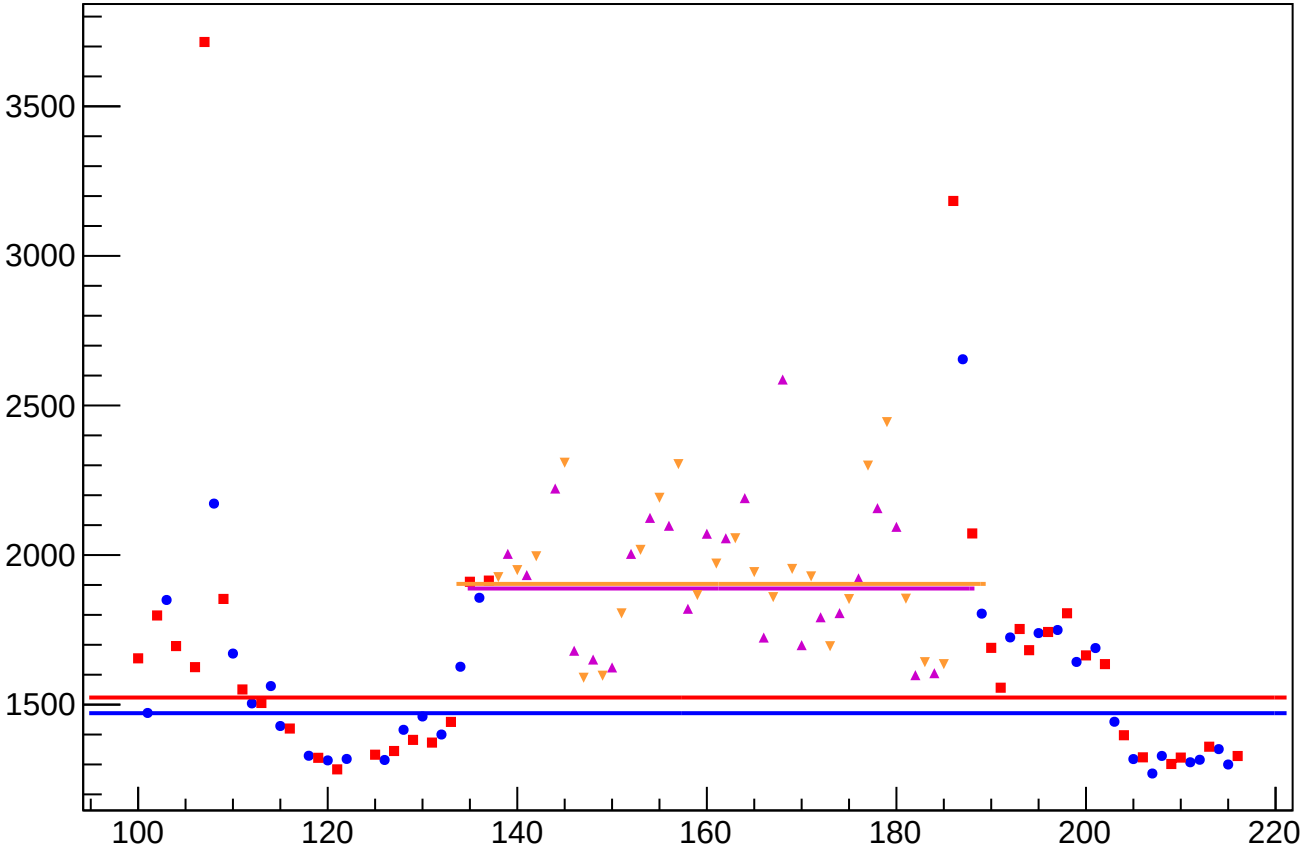
Right: 2220.285+/-256.150 χ^2/NDF: 104.6/64

In: 2563.565+/-281.196 χ^2/NDF:38.6/53

Out: 1735.984+/-286.138 χ^2/NDF:115.6/57

All: 2156.982+/-200.560 χ^2/NDF: 158.5/111

asym_usl_rms vs Slug, Sign Corrected



Right In: 1471.388+/-0.253 χ^2/NDF: 666273.0/30

Left Out: 1903.581+/-0.323 χ^2/NDF:461788.9/23

Right Out: 1523.739+/-0.260 χ^2/NDF: 1105426.0/33

Left In: 1888.121+/-0.322 χ^2/NDF:504568.6/22

Left: 1895.834+/-0.228 χ^2/NDF: 967507.1/46

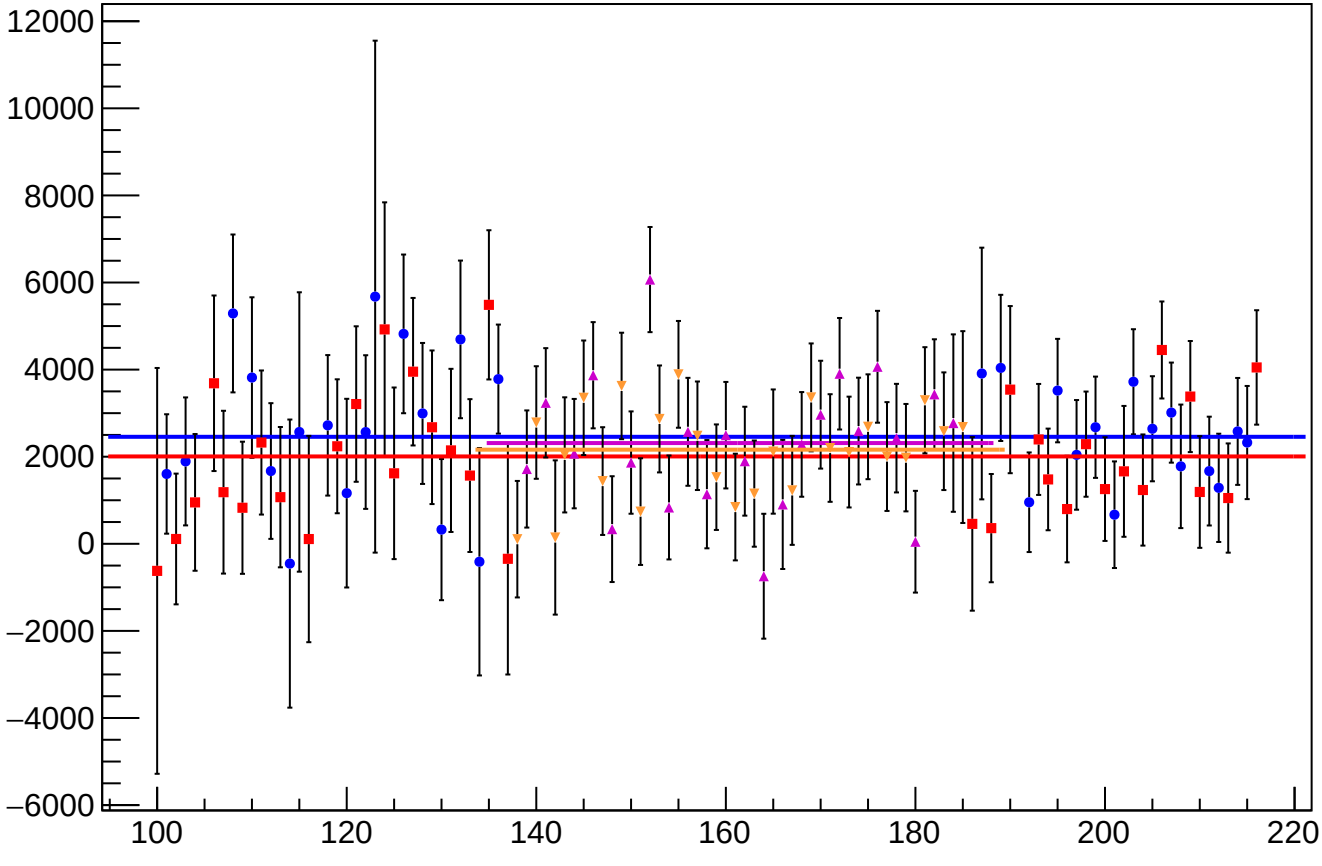
Right: 1496.856+/-0.181 χ^2/NDF: 1792568.4/64

In: 1630.230+/-0.199 χ^2/NDF:2206971.5/53

Out: 1672.990+/-0.202 χ^2/NDF:2407914.8/57

All: 1651.238+/-0.142 χ^2/NDF: 4637607.2/11

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2456.986+/-263.049 χ^2/NDF: 21.4/31

Left Out: 2161.427+/-257.518 χ^2/NDF:15.1/24

Right Out: 2006.094+/-262.205 χ^2/NDF: 27.4/33

Left In: 2313.505+/-264.429 χ^2/NDF:31.3/22

Left: 2235.453+/-184.488 χ^2/NDF: 46.5/47

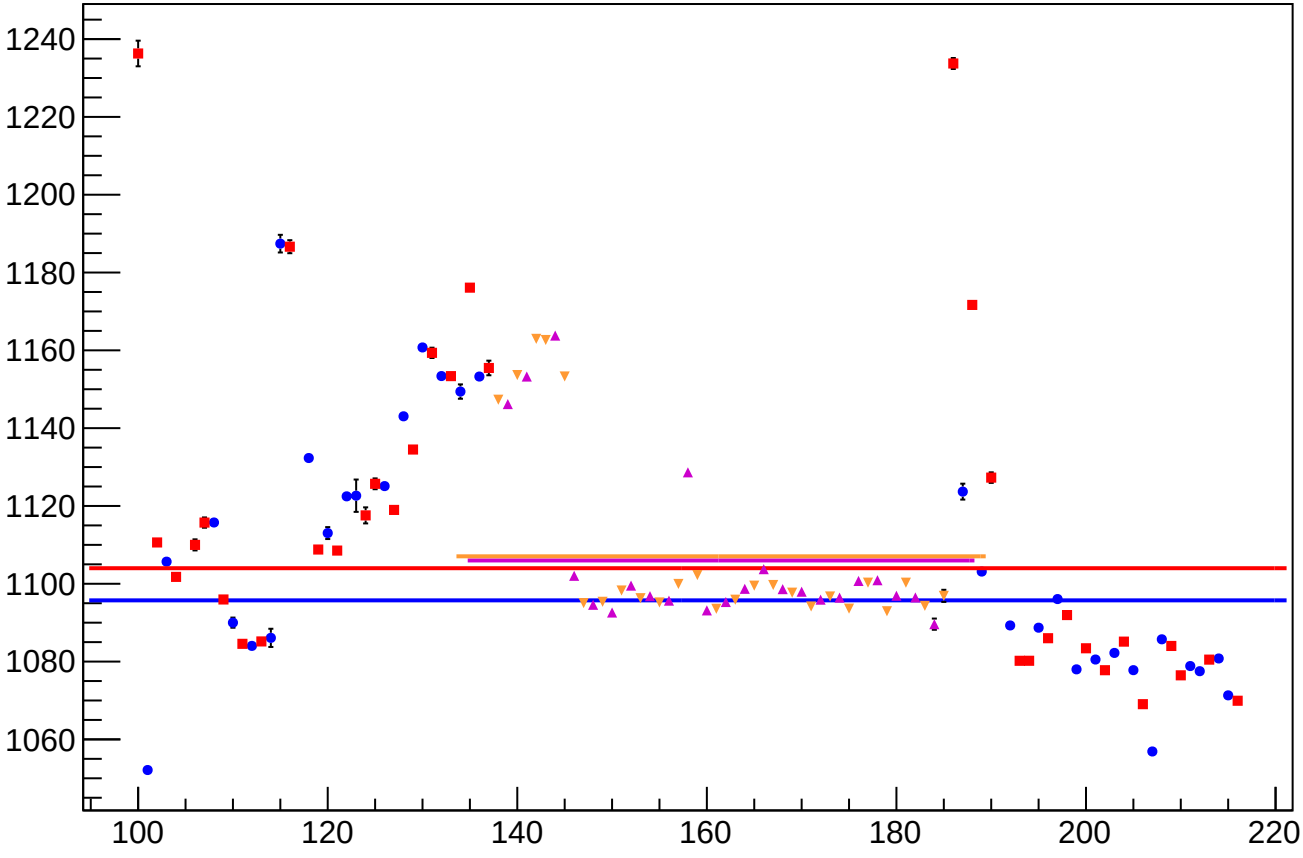
Right: 2230.815+/-185.705 χ^2/NDF: 50.3/65

In: 2385.621+/-186.490 χ^2/NDF:52.9/54

Out: 2085.161+/-183.727 χ^2/NDF:42.6/58

All: 2233.149+/-130.881 χ^2/NDF: 96.8/113

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.737+/-0.186 χ^2/NDF: 24348.4/31

Left Out: 1107.057+/-0.182 χ^2/NDF:15175.6/24

Right Out: 1103.999+/-0.185 χ^2/NDF: 37416.8/33

Left In: 1105.997+/-0.187 χ^2/NDF:11551.3/22

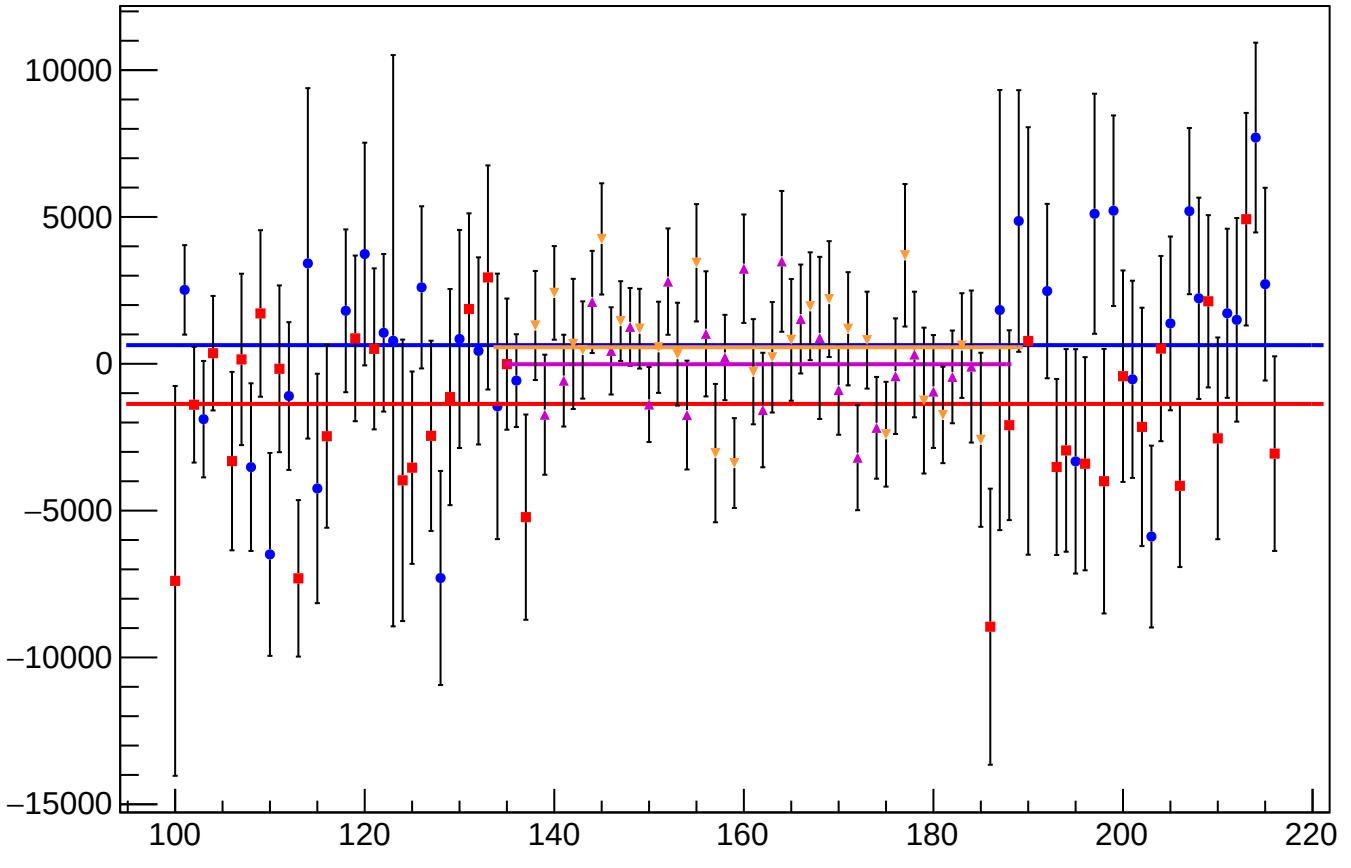
Left: 1106.541+/-0.130 χ^2/NDF: 26743.4/47

Right: 1099.881+/-0.131 χ^2/NDF: 62755.1/65

In: 1100.840+/-0.132 χ^2/NDF:37413.1/54

Out: 1105.556+/-0.130 χ^2/NDF:52730.8/58

All: 1103.233+/-0.093 χ^2/NDF: 90792.9/113



Right In: 635.236+/-524.570 χ^2/NDF: 37.1/31

Left Out: 563.282+/-360.901 χ^2/NDF:26.8/24

Right Out: -1367.099+/-535.378 χ^2/NDF: 24.9/33

Left In: -15.520+/-366.854 χ^2/NDF:20.1/22

Left: 278.615+/-257.275 χ^2/NDF: 48.2/47

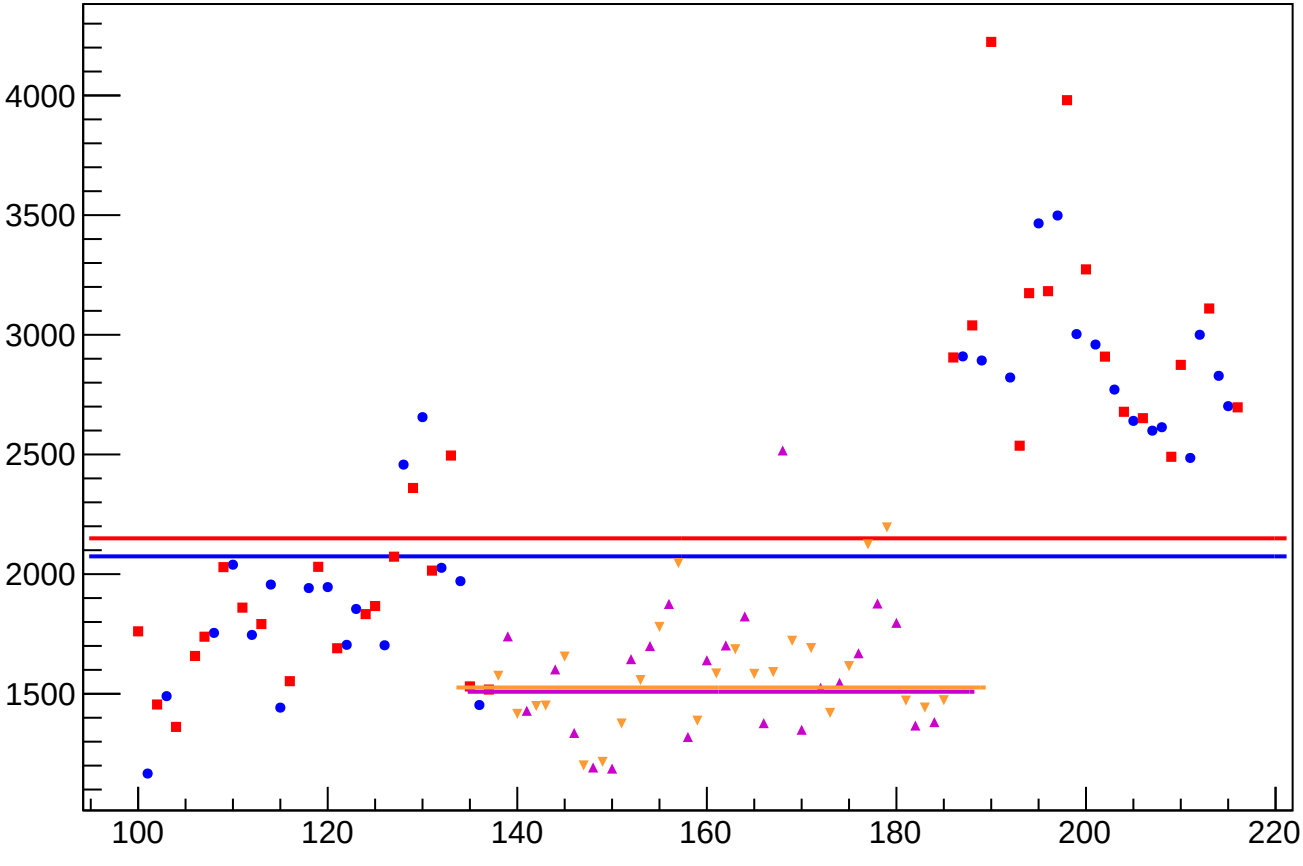
Right: -345.516+/-374.690 χ^2/NDF: 69.2/65

In: 198.217+/-300.632 χ^2/NDF:58.3/54

Out: -39.846+/-299.257 χ^2/NDF:60.6/58

All: 78.640+/-212.091 χ^2/NDF: 119.2/113

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2074.255+/-0.371 χ^2/NDF: 3147522.7/31

Left Out: 1526.391+/-0.255 χ^2/NDF:753714.4/24

Right Out: 2149.606+/-0.379 χ^2/NDF: 2903148.1/33

Left In: 1508.581+/-0.259 χ^2/NDF:931684.8/22

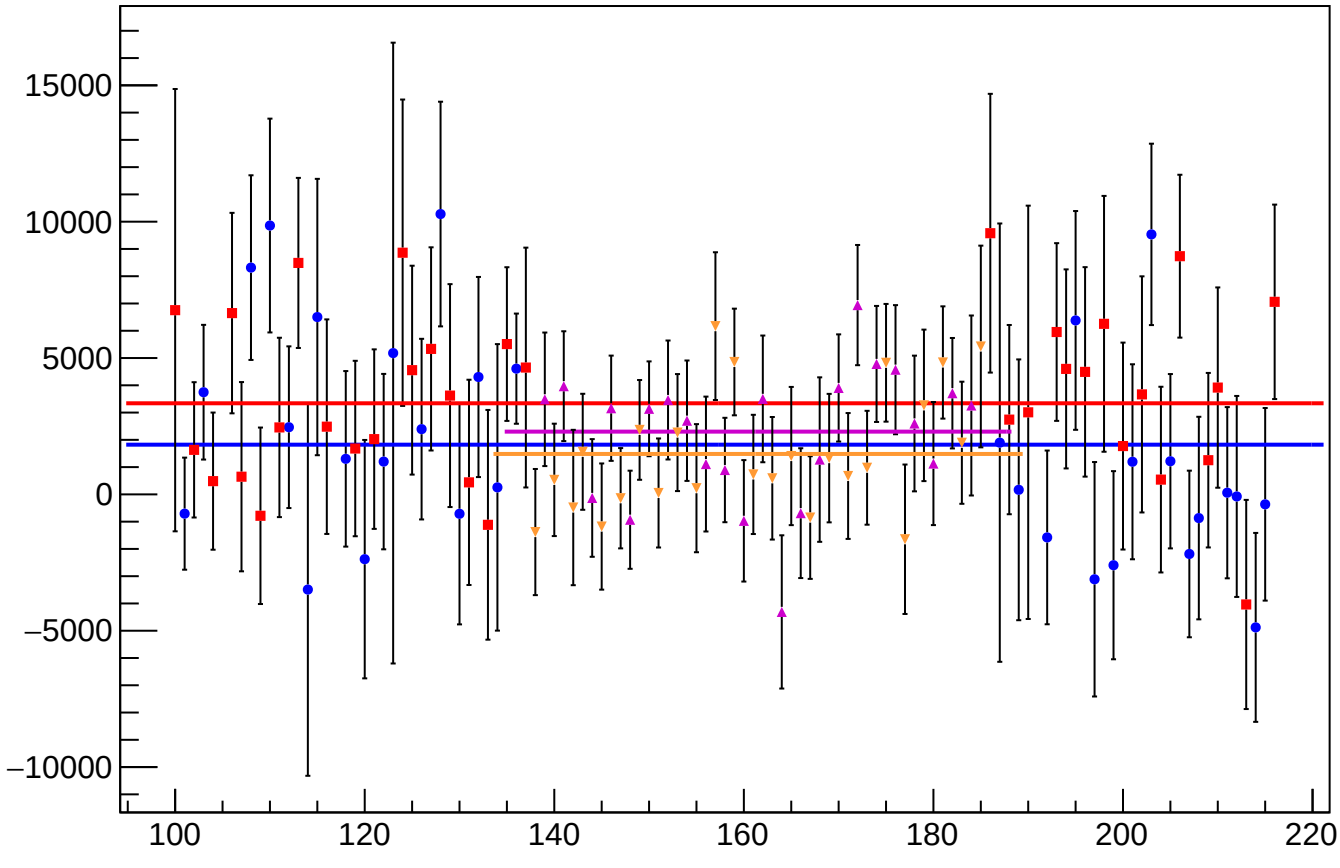
Left: 1517.632+/-0.182 χ^2/NDF: 1687794.7/47

Right: 2111.162+/-0.265 χ^2/NDF: 6070883.3/65

In: 1694.373+/-0.213 χ^2/NDF:5641049.4/54

Out: 1721.108+/-0.212 χ^2/NDF:5520212.3/58

All: 1707.802+/-0.150 χ^2/NDF: 11169206.2/1



Right In: 1822.738+/-609.739 χ^2/NDF: 37.6/31

Left Out: 1482.365+/-449.983 χ^2/NDF:20.9/24

Right Out: 3340.762+/-616.084 χ^2/NDF: 24.1/33

Left In: 2301.247+/-459.040 χ^2/NDF:24.8/22

Left: 1883.648+/-321.340 χ^2/NDF: 47.4/47

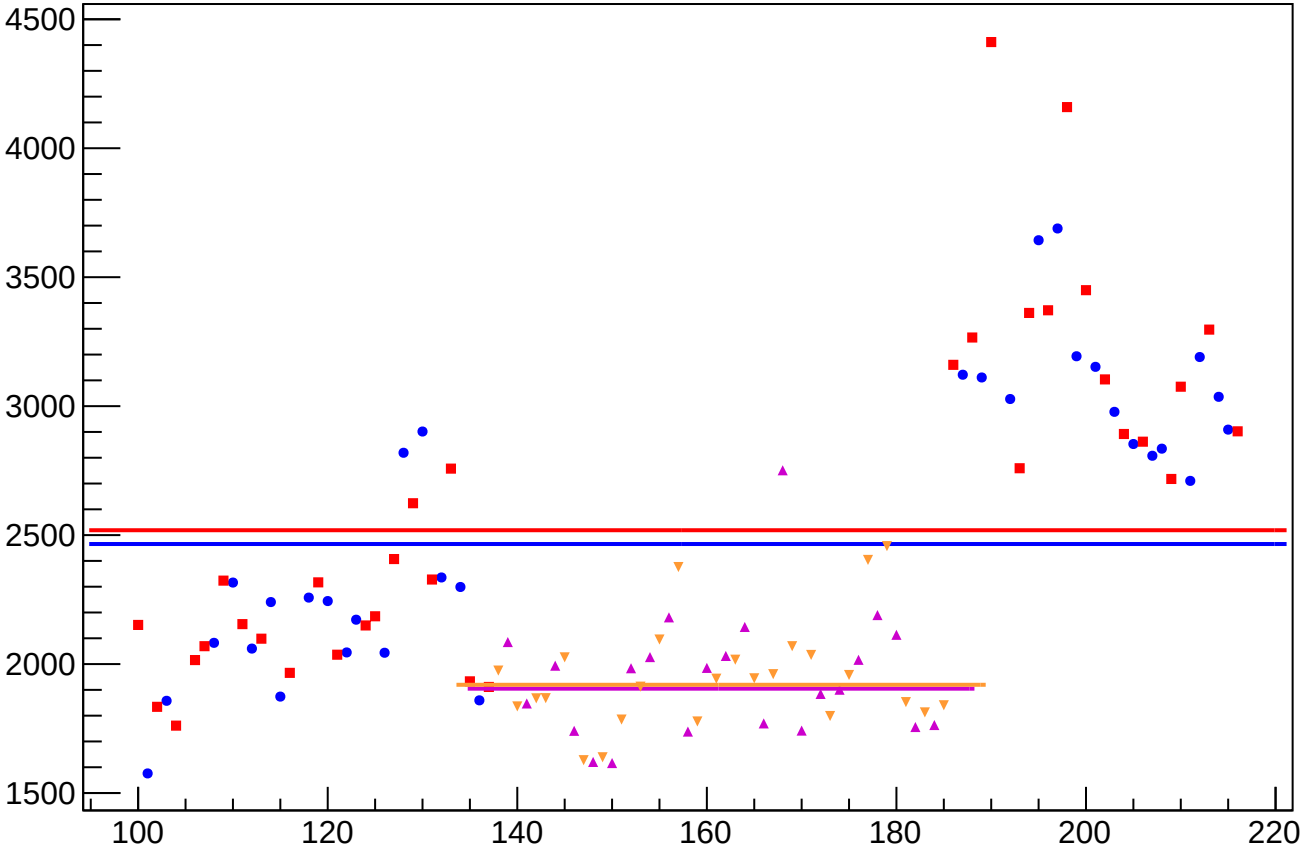
Right: 2573.892+/-433.376 χ^2/NDF: 64.8/65

In: 2128.147+/-366.730 χ^2/NDF:62.8/54

Out: 2128.874+/-363.378 χ^2/NDF:51.0/58

All: 2128.514+/-258.124 χ^2/NDF: 113.8/113

asym_usr_rms vs Slug, Sign Corrected



Right In: 2465.487+/-0.431 χ^2/NDF: 1801685.9/31

Left Out: 1919.732+/-0.318 χ^2/NDF:366218.1/24

Right Out: 2518.941+/-0.436 χ^2/NDF: 1806777.1/33

Left In: 1904.629+/-0.325 χ^2/NDF:447350.7/22

Left: 1912.331+/-0.227 χ^2/NDF: 814672.9/47

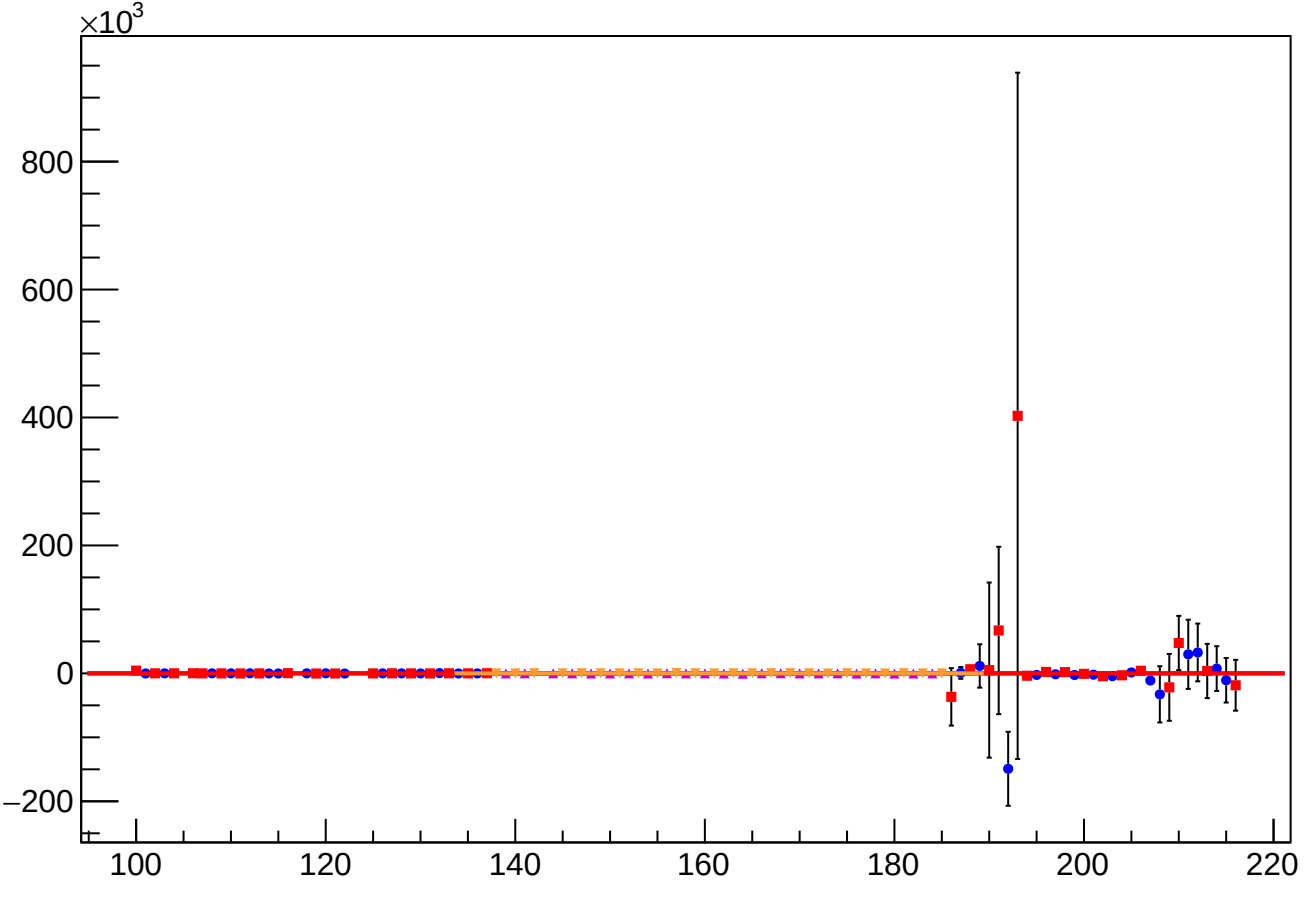
Right: 2491.937+/-0.306 χ^2/NDF: 3616068.9/65

In: 2107.518+/-0.259 χ^2/NDF:3329079.5/54

Out: 2128.188+/-0.257 χ^2/NDF:3406754.7/58

All: 2117.948+/-0.183 χ^2/NDF: 6739040.1/11

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -2.346+/-36.762 χ^2/NDF: 33.0/30

Left Out: 12.260+/-26.260 χ^2/NDF:35.9/23

Right Out: 1.841+/-36.747 χ^2/NDF: 21.1/33

Left In: 24.786+/-26.343 χ^2/NDF:36.4/22

Left: 18.503+/-18.598 χ^2/NDF: 72.4/46

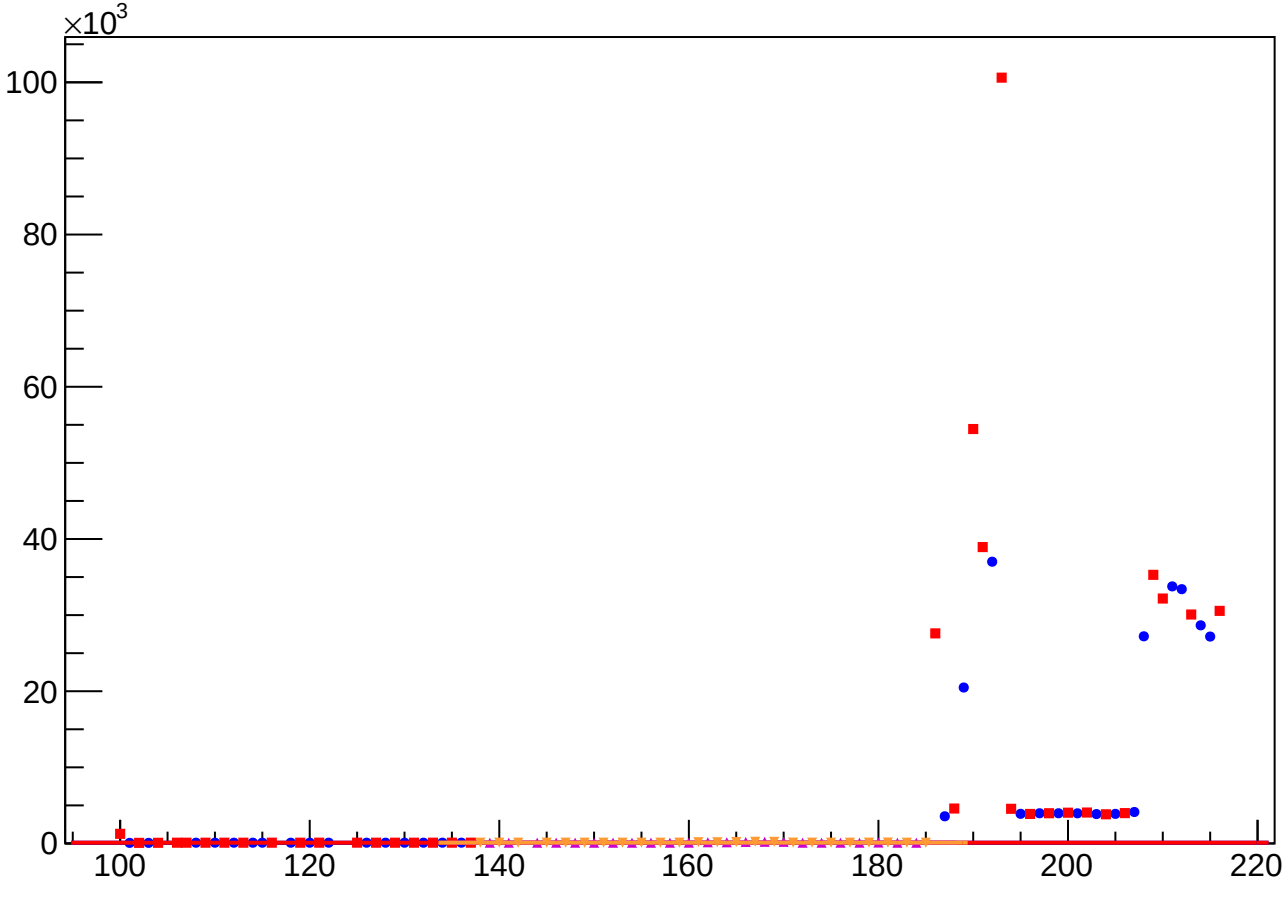
Right: -0.252+/-25.989 χ^2/NDF: 54.1/64

In: 15.581+/-21.413 χ^2/NDF:69.8/53

Out: 8.738+/-21.365 χ^2/NDF:57.1/57

All: 12.152+/-15.124 χ^2/NDF: 126.9/111

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 96.154+/-0.026 χ^2/NDF: 18005902.8/30

Left Out: 108.059+/-0.019 χ^2/NDF:1434979.3/23

Right Out: 98.319+/-0.026 χ^2/NDF: 16723656.0/33

Left In: 107.672+/-0.019 χ^2/NDF:1491034.7/22

Left: 107.867+/-0.013 χ^2/NDF: 2926230.6/46

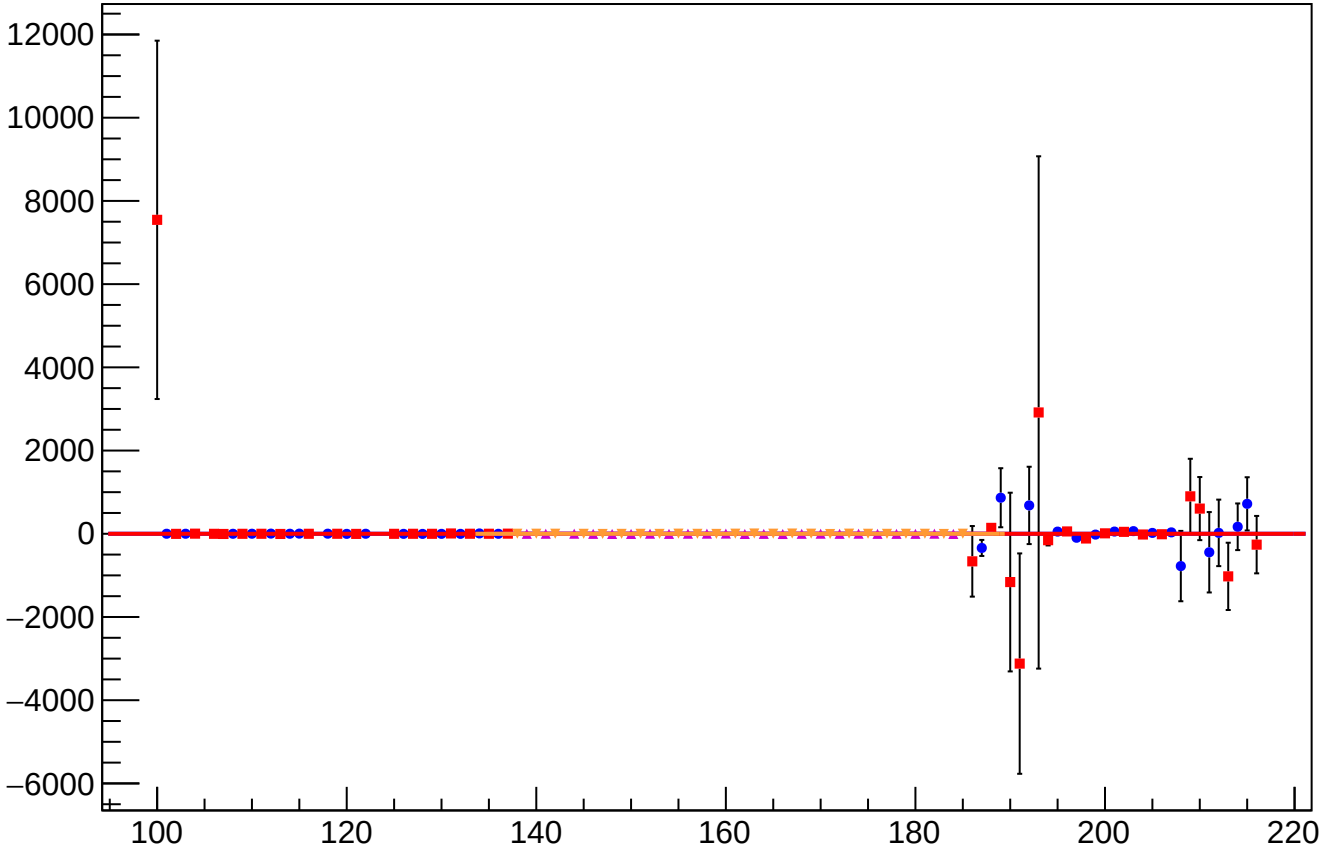
Right: 97.237+/-0.018 χ^2/NDF: 34733027.6/64

In: 103.764+/-0.015 χ^2/NDF:19626661.2/53

Out: 104.767+/-0.015 χ^2/NDF:18251655.9/57

All: 104.267+/-0.011 χ^2/NDF: 37880513.0/11

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.398+/-0.617 χ^2/NDF: 21.8/30

Left Out: -0.534+/-0.475 χ^2/NDF:30.5/23

Right Out: -0.347+/-0.644 χ^2/NDF: 33.1/33

Left In: -0.067+/-0.485 χ^2/NDF:25.0/22

Left: -0.306+/-0.339 χ^2/NDF: 56.0/46

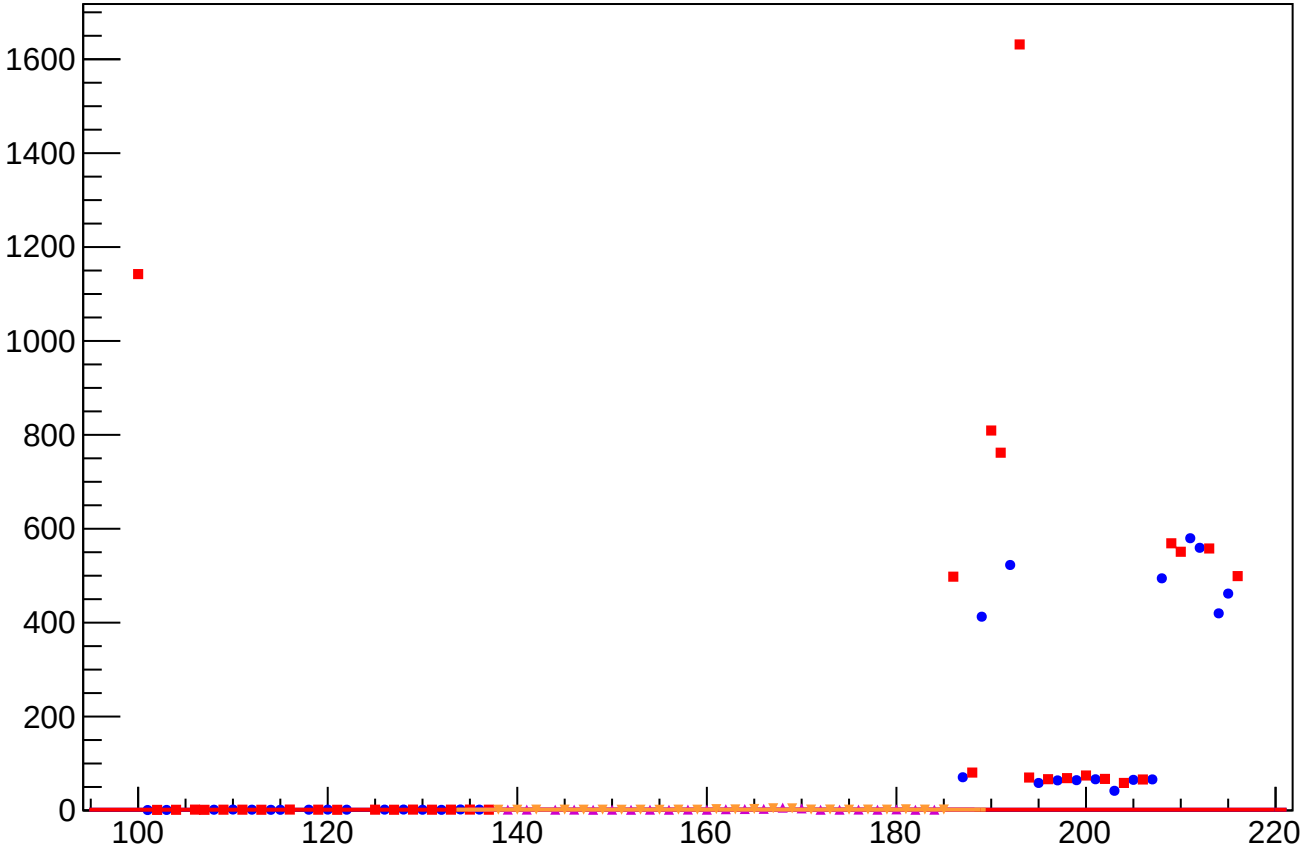
Right: 0.041+/-0.445 χ^2/NDF: 55.6/64

In: 0.110+/-0.381 χ^2/NDF:47.2/53

Out: -0.468+/-0.382 χ^2/NDF:63.6/57

All: -0.178+/-0.270 χ^2/NDF: 111.9/111

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 15610174.0/30

Left Out: 1.771+/-0.000 χ^2/NDF:1599621.6/23

Right Out: 1.586+/-0.000 χ^2/NDF: 14770765.7/33

Left In: 1.802+/-0.000 χ^2/NDF:1921298.2/22

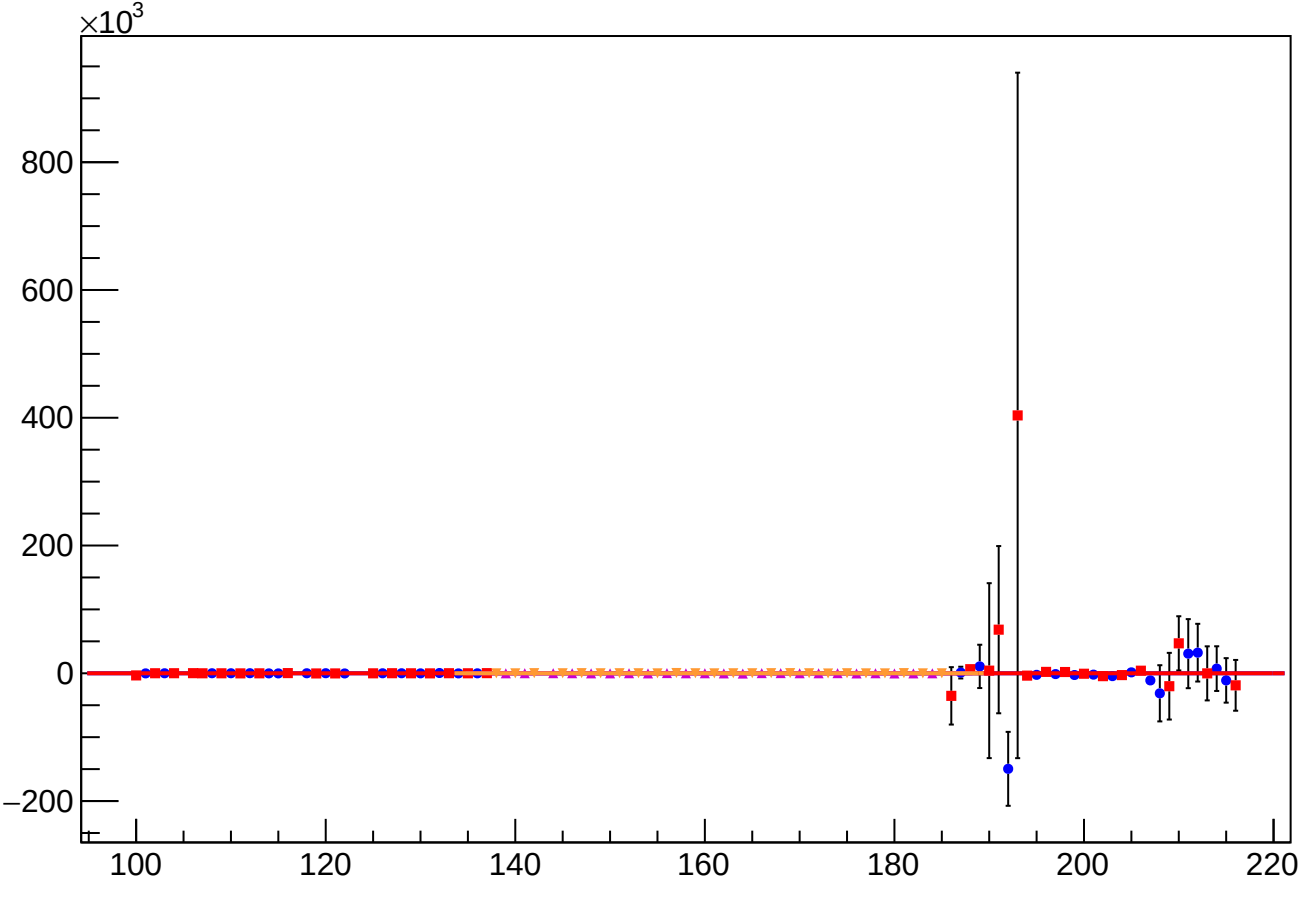
Left: 1.787+/-0.000 χ^2/NDF: 3525124.6/46

Right: 1.516+/-0.000 χ^2/NDF: 30426357.2/64

In: 1.668+/-0.000 χ^2/NDF:17931977.3/53

Out: 1.706+/-0.000 χ^2/NDF:16478021.0/57

All: 1.687+/-0.000 χ^2/NDF: 34419571.4/111



Right In: -2.060+/-36.771 χ^2/NDF: 33.3/30

Left Out: 12.948+/-26.268 χ^2/NDF:35.7/23

Right Out: 1.604+/-36.757 χ^2/NDF: 20.5/33

Left In: 25.312+/-26.351 χ^2/NDF:35.7/22

Left: 19.110+/-18.604 χ^2/NDF: 71.6/46

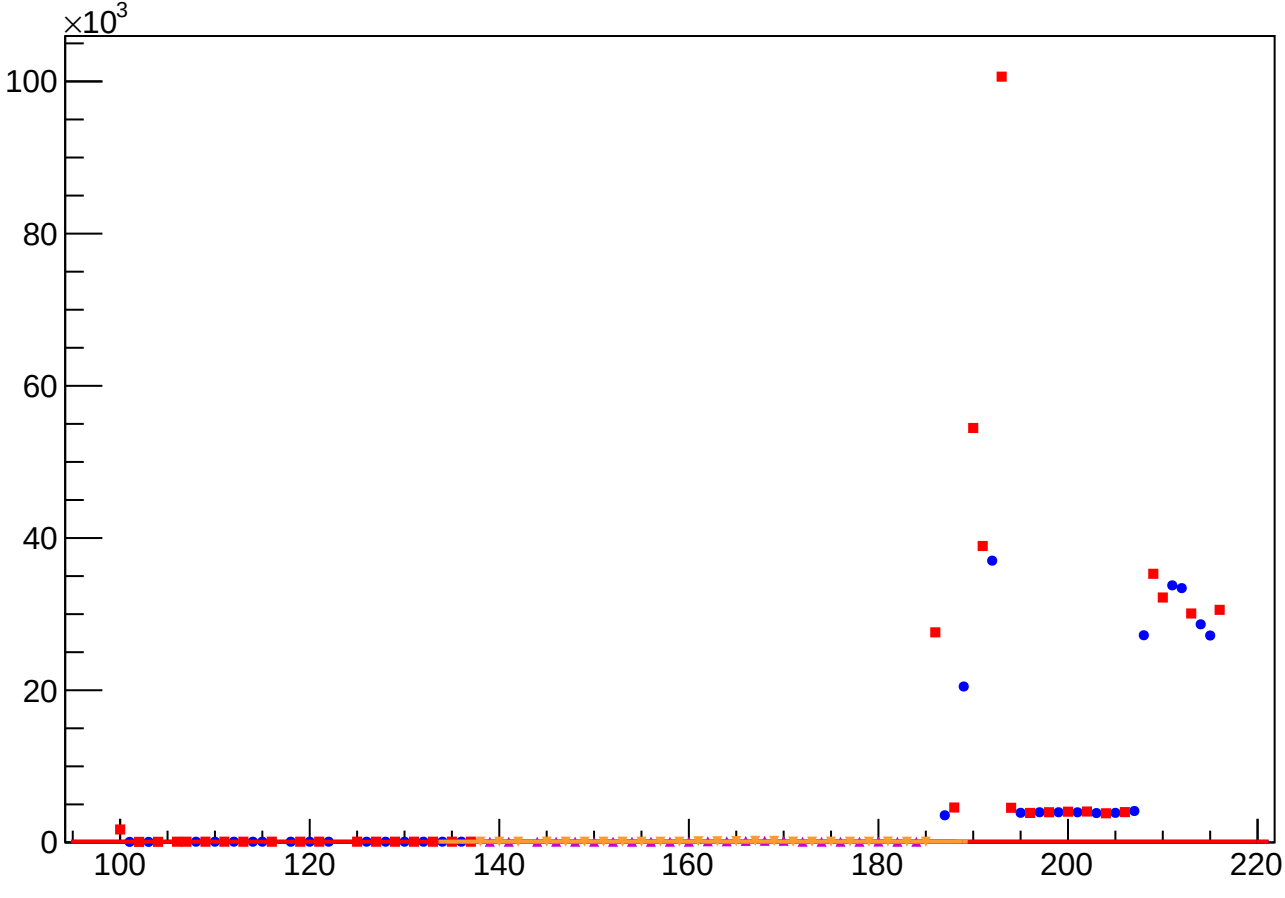
Right: -0.227+/-25.996 χ^2/NDF: 53.7/64

In: 16.024+/-21.419 χ^2/NDF:69.3/53

Out: 9.113+/-21.372 χ^2/NDF:56.3/57

All: 12.561+/-15.129 χ^2/NDF: 125.7/111

asym_dsl_rms vs Slug, Sign Corrected



Right In: 96.179+/-0.026 χ^2/NDF: 18005878.2/30

Left Out: 108.090+/-0.019 χ^2/NDF:1436368.7/23

Right Out: 98.328+/-0.026 χ^2/NDF: 16728967.1/33

Left In: 107.703+/-0.019 χ^2/NDF:1492338.5/22

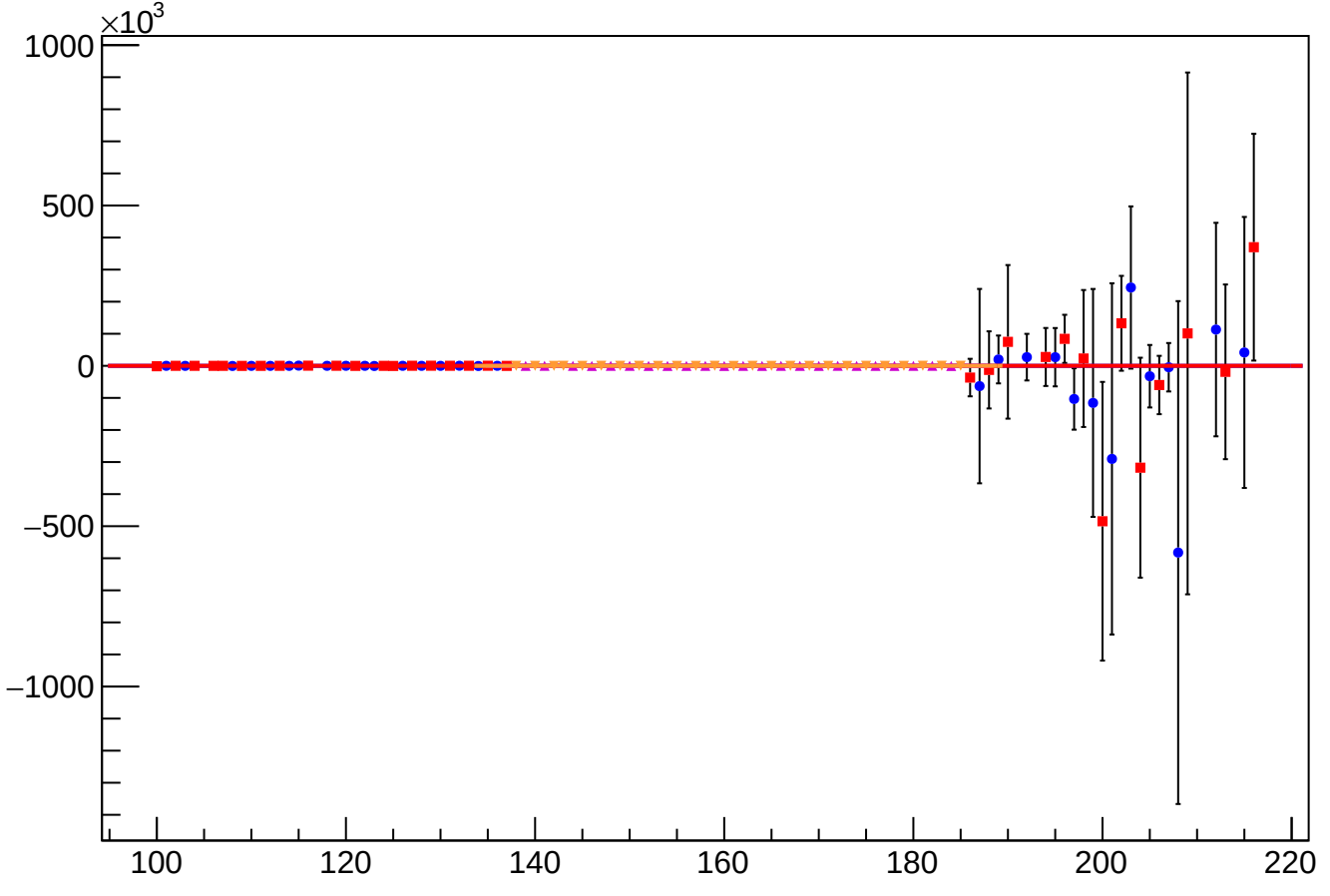
Left: 107.897+/-0.013 χ^2/NDF: 2928923.7/46

Right: 97.254+/-0.018 χ^2/NDF: 34738263.0/64

In: 103.793+/-0.015 χ^2/NDF:19628003.7/53

Out: 104.790+/-0.015 χ^2/NDF:18258713.3/57

All: 104.293+/-0.011 χ^2/NDF: 37888889.5/11



Right In: -26.802+/-46.841 χ^2/NDF: 18.0/29

Left Out: -12.829+/-32.063 χ^2/NDF:12.0/24

Right Out: 53.395+/-47.775 χ^2/NDF: 21.7/31

Left In: -65.335+/-32.944 χ^2/NDF:19.3/22

Left: -38.371+/-22.977 χ^2/NDF: 32.6/47

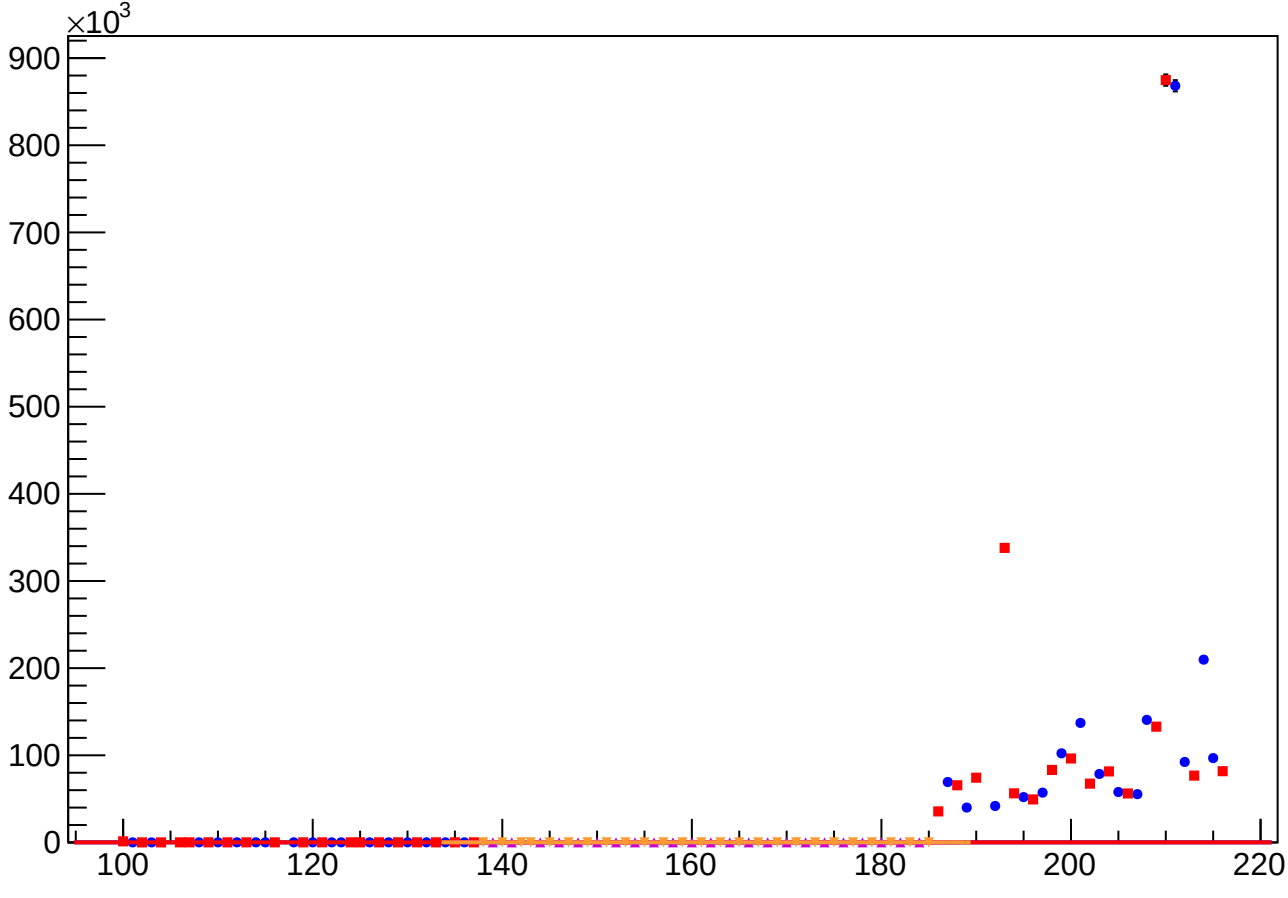
Right: 12.506+/-33.447 χ^2/NDF: 41.2/61

In: -52.582+/-26.947 χ^2/NDF:37.8/52

Out: 7.736+/-26.623 χ^2/NDF:35.1/56

All: -22.059+/-18.939 χ^2/NDF: 75.4/109

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.882+/-0.033 χ^2/NDF: 6897176.9/31

Left Out: 137.856+/-0.023 χ^2/NDF:443.5/24

Right Out: 124.842+/-0.034 χ^2/NDF: 6569364.0/33

Left In: 137.804+/-0.023 χ^2/NDF:460.3/22

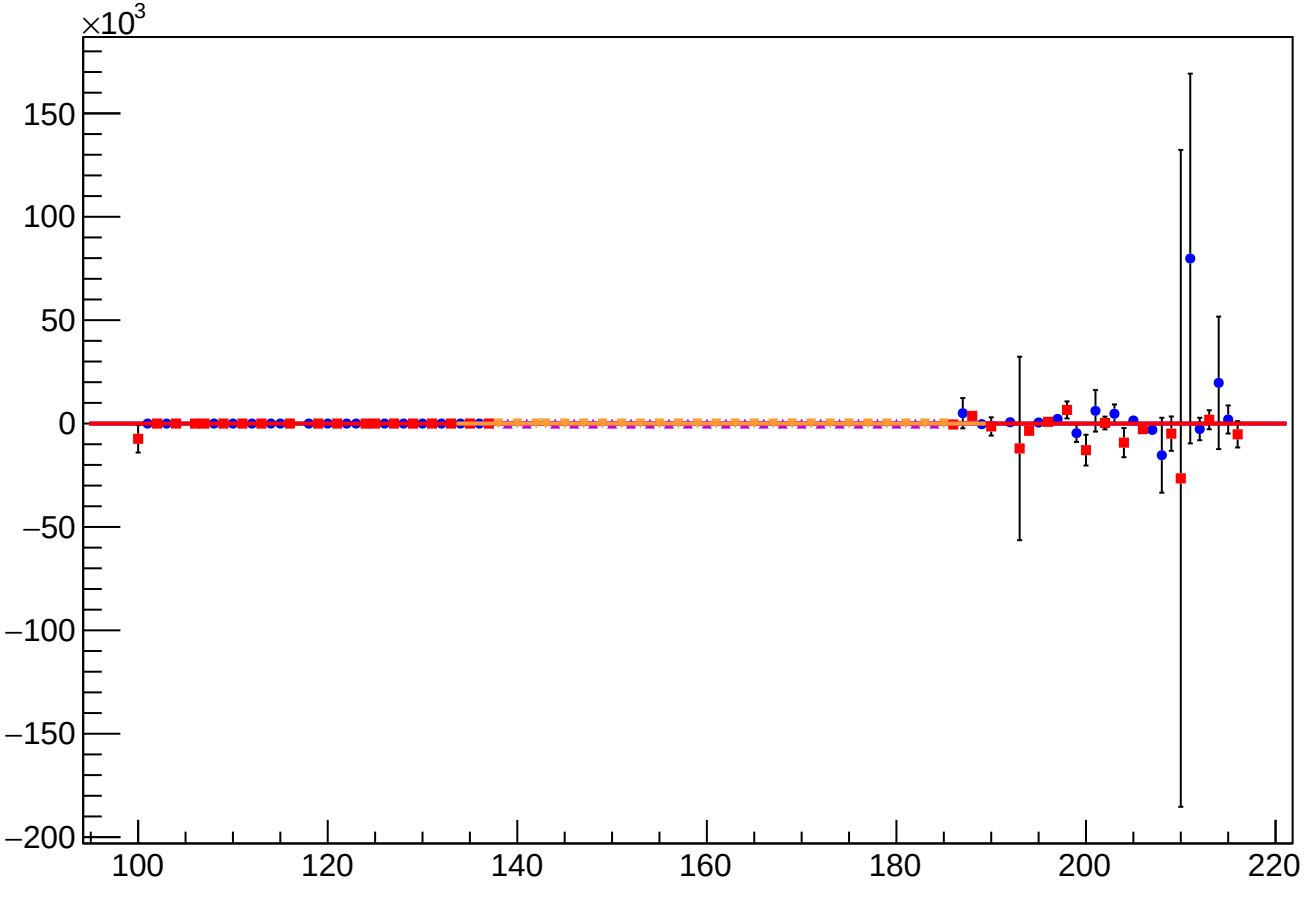
Left: 137.831+/-0.016 χ^2/NDF: 906.3/47

Right: 121.293+/-0.024 χ^2/NDF: 13488186.3/65

In: 131.211+/-0.019 χ^2/NDF:7139700.6/54

Out: 133.815+/-0.019 χ^2/NDF:6672132.3/58

All: 132.529+/-0.013 χ^2/NDF: 13821283.7/1



Right In: -0.719+/-0.810 χ^2/NDF: 25.5/31

Left Out: 0.490+/-0.572 χ^2/NDF:29.0/24

Right Out: -0.639+/-0.852 χ^2/NDF: 33.4/33

Left In: 0.290+/-0.579 χ^2/NDF:20.7/22

Left: 0.391+/-0.407 χ^2/NDF: 49.7/47

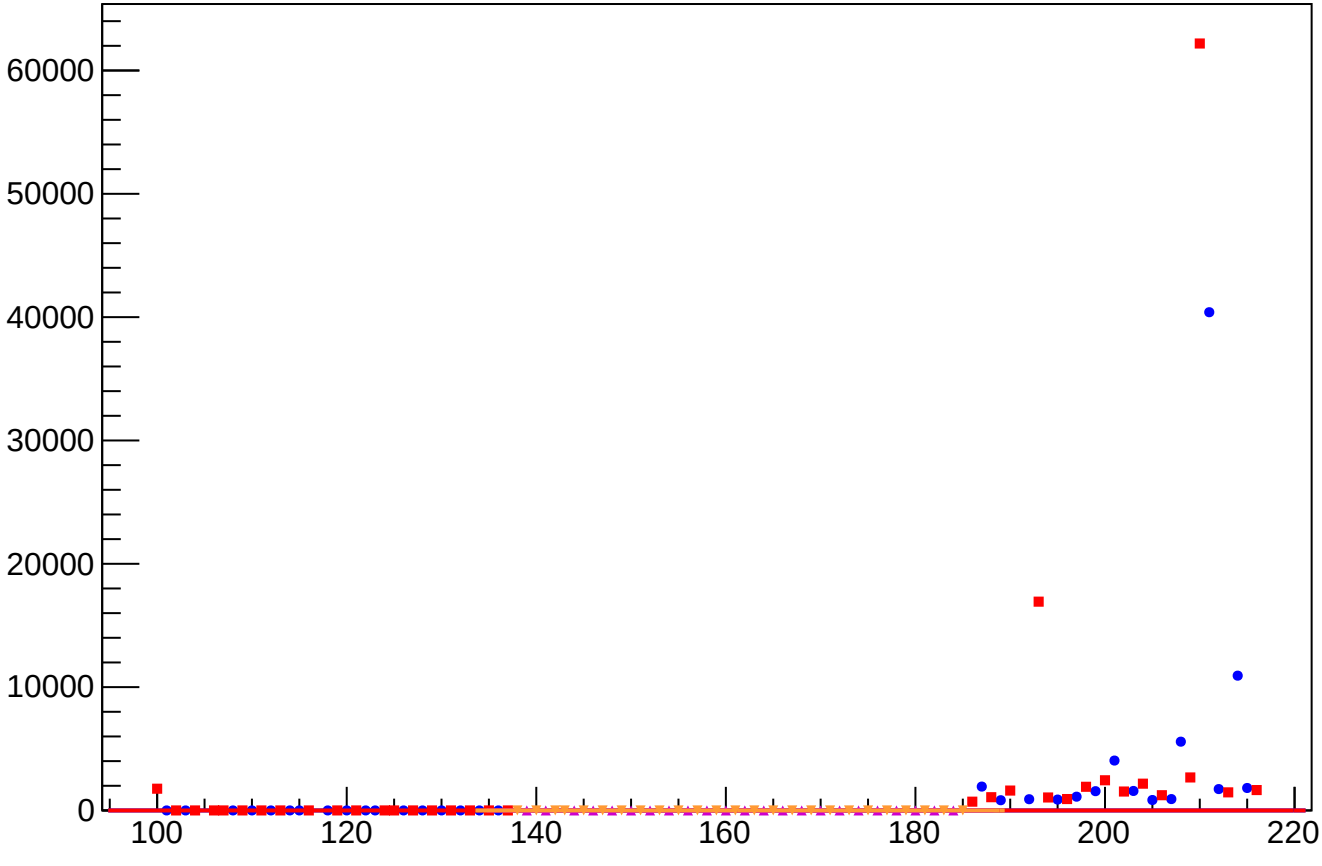
Right: -0.681+/-0.587 χ^2/NDF: 58.9/65

In: -0.052+/-0.471 χ^2/NDF:47.2/54

Out: 0.139+/-0.475 χ^2/NDF:63.6/58

All: 0.043+/-0.334 χ^2/NDF: 110.9/113

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.867+/-0.001 χ^2/NDF: 6807085.5/31

Left Out: 2.262+/-0.000 χ^2/NDF:374973.2/24

Right Out: 2.065+/-0.001 χ^2/NDF: 6925229.7/33

Left In: 2.193+/-0.000 χ^2/NDF:510890.7/22

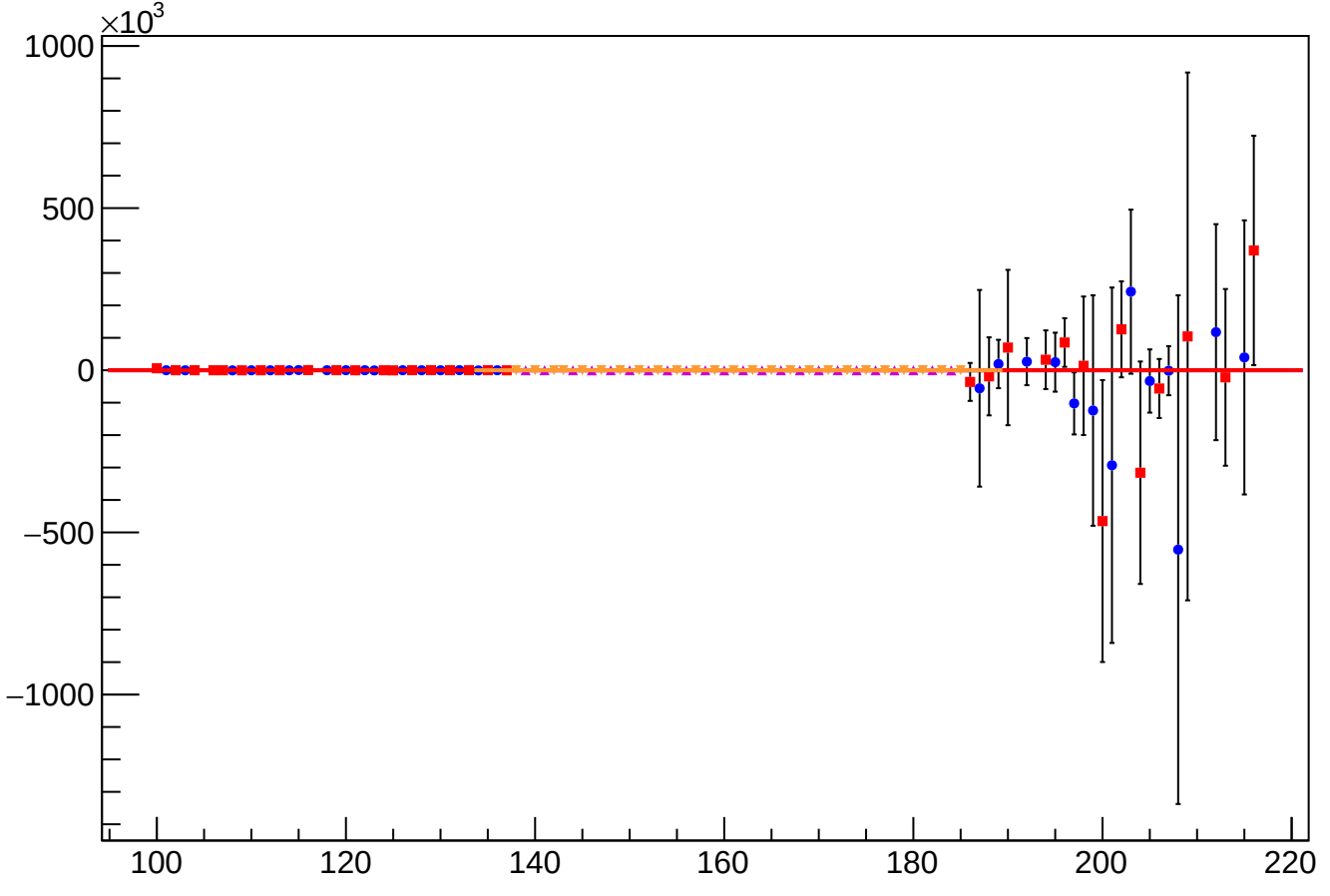
Left: 2.228+/-0.000 χ^2/NDF: 900243.0/47

Right: 1.961+/-0.000 χ^2/NDF: 13789192.6/65

In: 2.083+/-0.000 χ^2/NDF:7532260.7/54

Out: 2.201+/-0.000 χ^2/NDF:7373581.9/58

All: 2.141+/-0.000 χ^2/NDF: 14968215.3/113



Right In: -25.063+/-46.854 χ^2/NDF: 18.0/29

Left Out: -13.383+/-32.072 χ^2/NDF:11.8/24

Right Out: 54.298+/-47.789 χ^2/NDF: 22.2/31

Left In: -65.231+/-32.953 χ^2/NDF:19.4/22

Left: -38.605+/-22.983 χ^2/NDF: 32.4/47

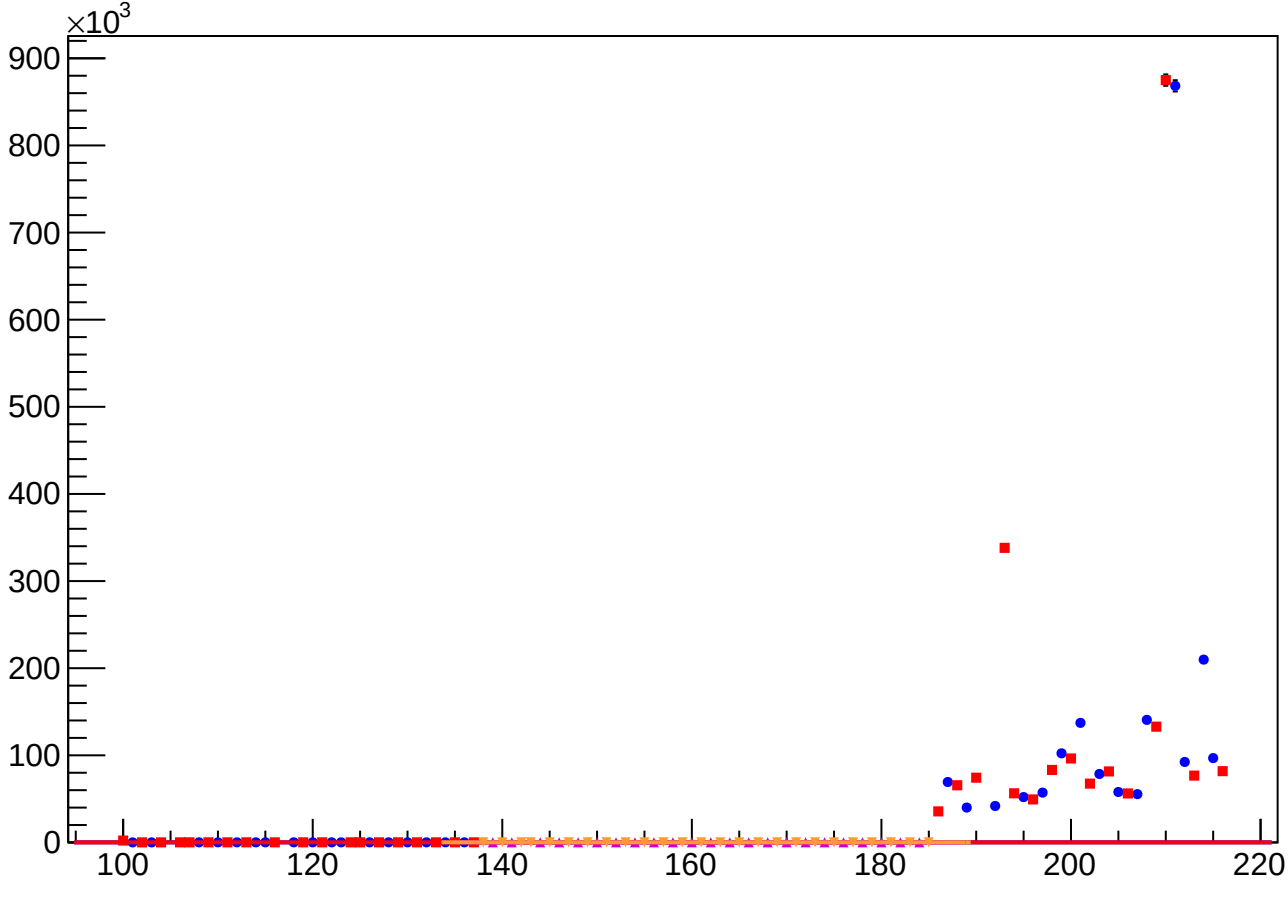
Right: 13.833+/-33.456 χ^2/NDF: 41.6/61

In: -51.938+/-26.954 χ^2/NDF:37.9/52

Out: 7.634+/-26.631 χ^2/NDF:35.4/56

All: -21.792+/-18.944 χ^2/NDF: 75.7/109

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.914+/-0.033 χ^2/NDF: 6897318.0/31

Left Out: 137.895+/-0.023 χ^2/NDF:440.9/24

Right Out: 124.831+/-0.034 χ^2/NDF: 6580032.9/33

Left In: 137.843+/-0.023 χ^2/NDF:457.2/22

Left: 137.870+/-0.016 χ^2/NDF: 900.6/47

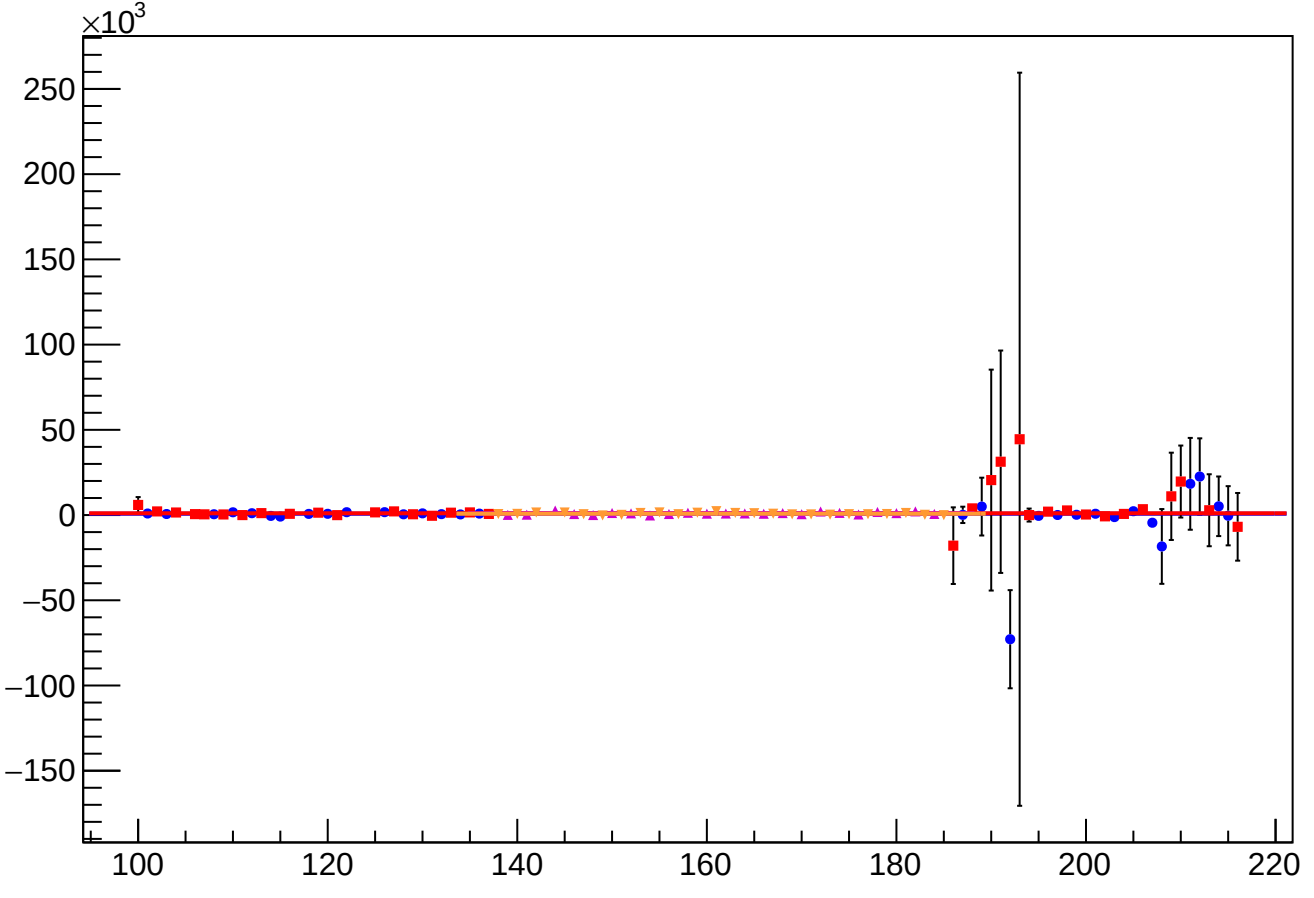
Right: 121.304+/-0.024 χ^2/NDF: 13498718.4/65

In: 131.248+/-0.019 χ^2/NDF:7139877.1/54

Out: 133.838+/-0.019 χ^2/NDF:6683521.2/58

All: 132.559+/-0.013 χ^2/NDF: 13832748.9/1

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 769.284+/-209.823 χ^2/NDF: 21.0/30

Left Out: 784.371+/-134.054 χ^2/NDF:19.2/23

Right Out: 1038.829+/-207.254 χ^2/NDF: 19.8/33

Left In: 974.402+/-134.932 χ^2/NDF:27.4/22

Left: 878.766+/-95.099 χ^2/NDF: 47.6/46

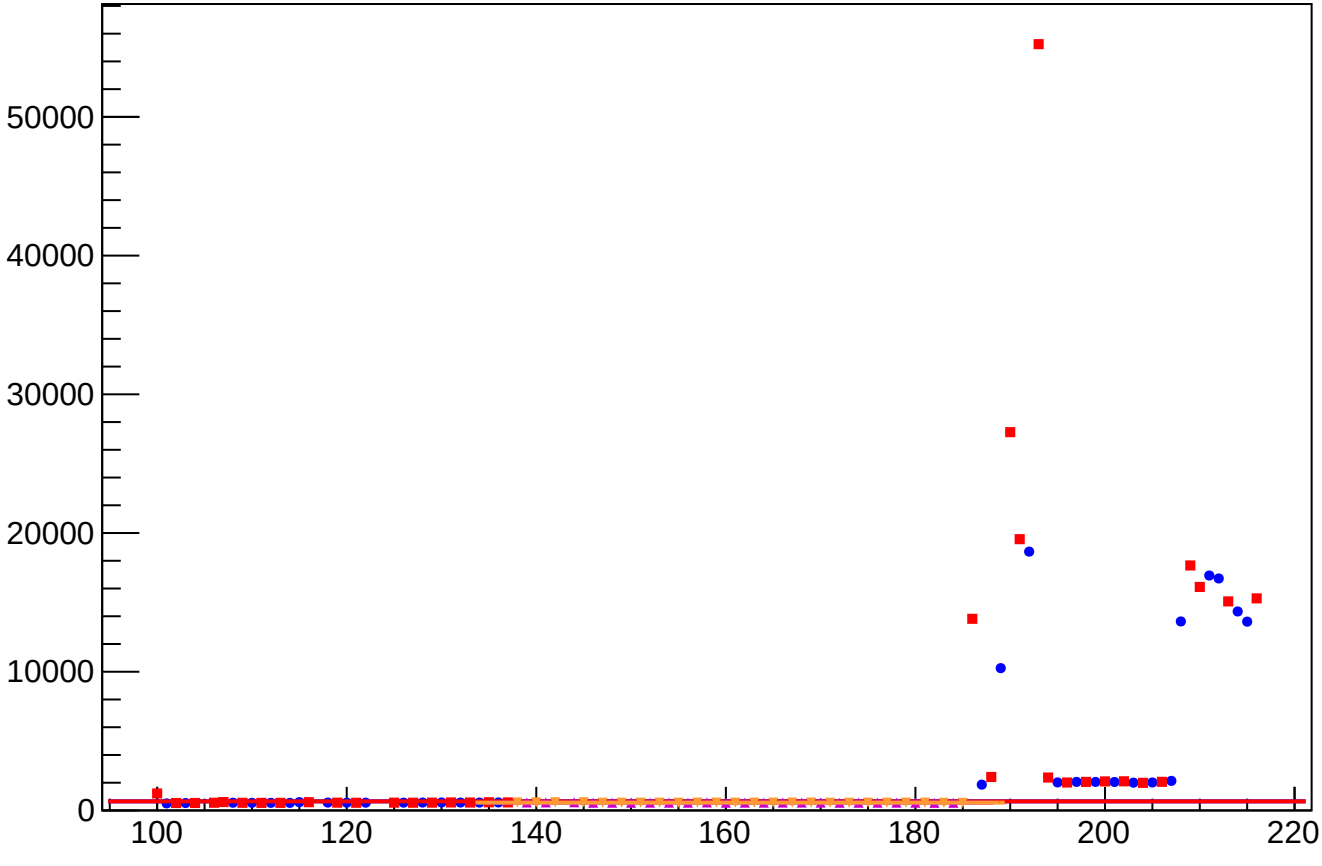
Right: 905.717+/-147.451 χ^2/NDF: 41.7/64

In: 914.393+/-113.491 χ^2/NDF:49.2/53

Out: 859.426+/-112.560 χ^2/NDF:40.1/57

All: 886.683+/-79.919 χ^2/NDF: 89.3/111

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 658.083+/-0.148 χ^2/NDF: 12036492.8/30

Left Out: 564.143+/-0.095 χ^2/NDF:9594.1/23

Right Out: 654.630+/-0.147 χ^2/NDF: 11164951.2/33

Left In: 564.383+/-0.095 χ^2/NDF:9209.5/22

Left: 564.262+/-0.067 χ^2/NDF: 18806.8/46

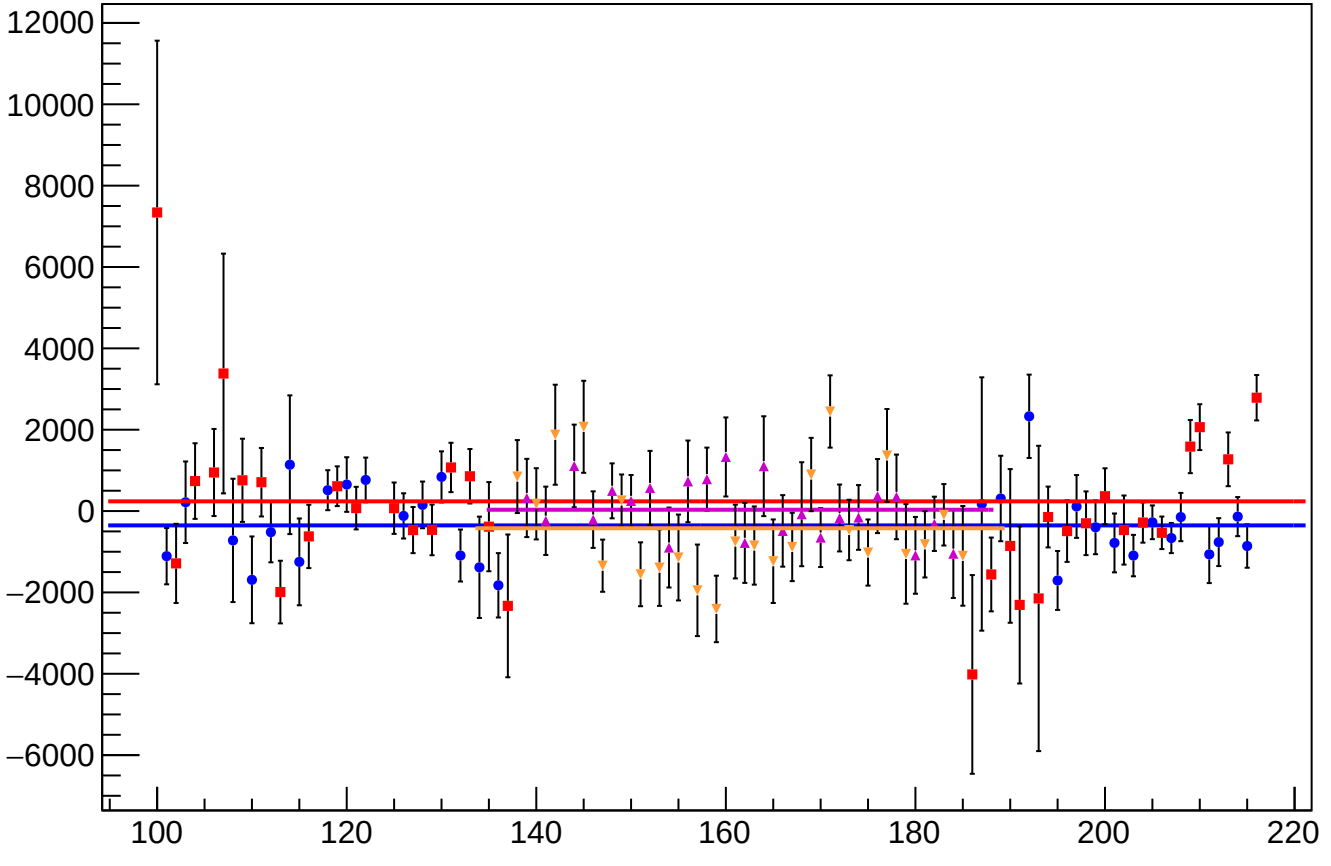
Right: 656.335+/-0.104 χ^2/NDF: 23201718.3/64

In: 591.796+/-0.080 χ^2/NDF:12327862.3/53

Out: 590.833+/-0.080 χ^2/NDF:11443328.4/57

All: 591.311+/-0.057 χ^2/NDF: 23771263.3/1

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -352.597+/-117.171 χ^2/NDF: 41.3/30

Left Out: -422.681+/-180.610 χ^2/NDF:43.2/23

Right Out: 238.765+/-125.878 χ^2/NDF: 80.8/33

Left In: 32.411+/-179.430 χ^2/NDF:12.2/22

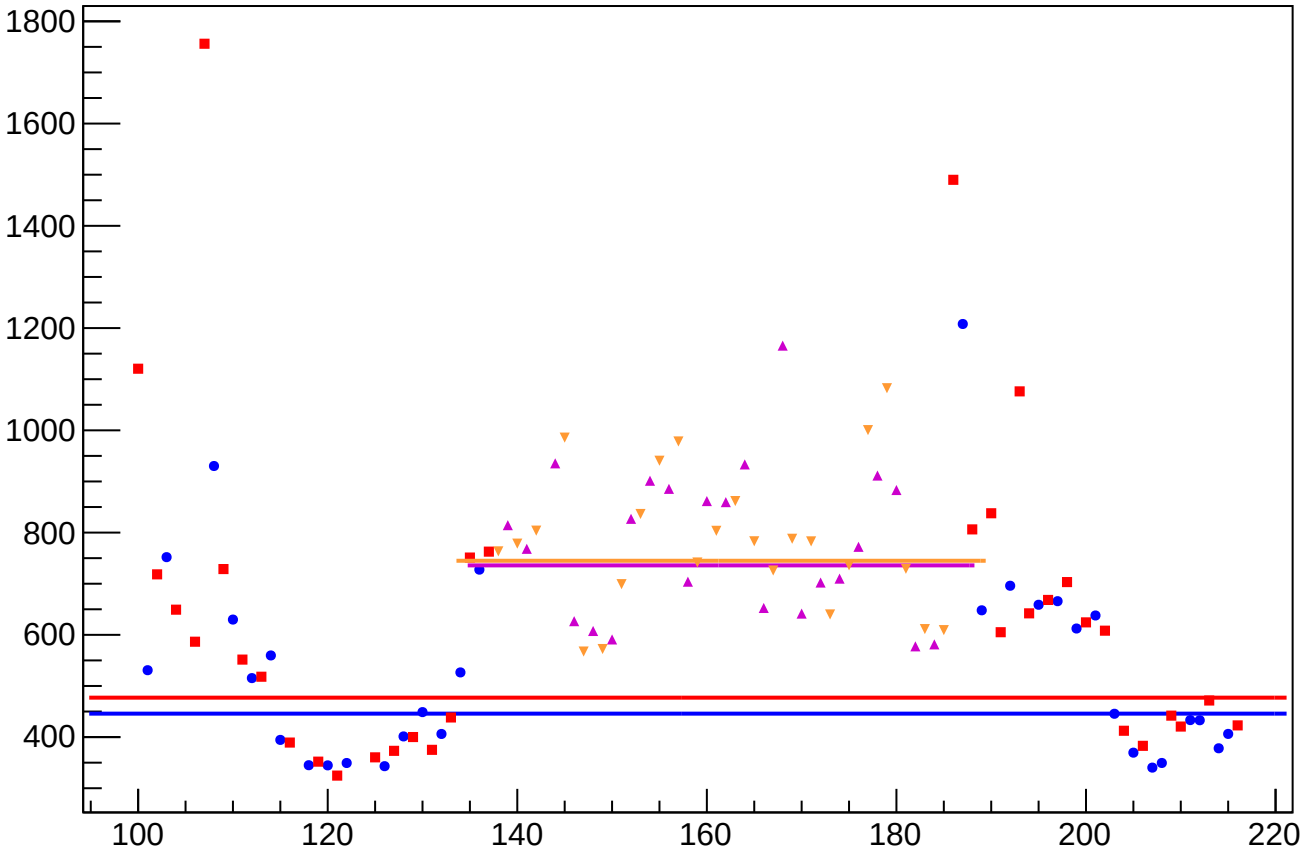
Left: -193.644+/-127.291 χ^2/NDF: 58.6/46

Right: -78.072+/-85.766 χ^2/NDF: 133.9/64

In: -237.498+/-98.106 χ^2/NDF:56.7/53

Out: 22.511+/-103.270 χ^2/NDF:133.0/57

All: -114.157+/-71.127 χ^2/NDF: 193.0/111



Right In: 445.891+/-0.083 χ^2/NDF: 2303570.8/30

Left Out: 744.909+/-0.128 χ^2/NDF:1008847.7/23

Right Out: 477.147+/-0.089 χ^2/NDF: 2972033.8/33

Left In: 735.850+/-0.127 χ^2/NDF:1105405.5/22

Left: 740.350+/-0.090 χ^2/NDF: 2116785.5/46

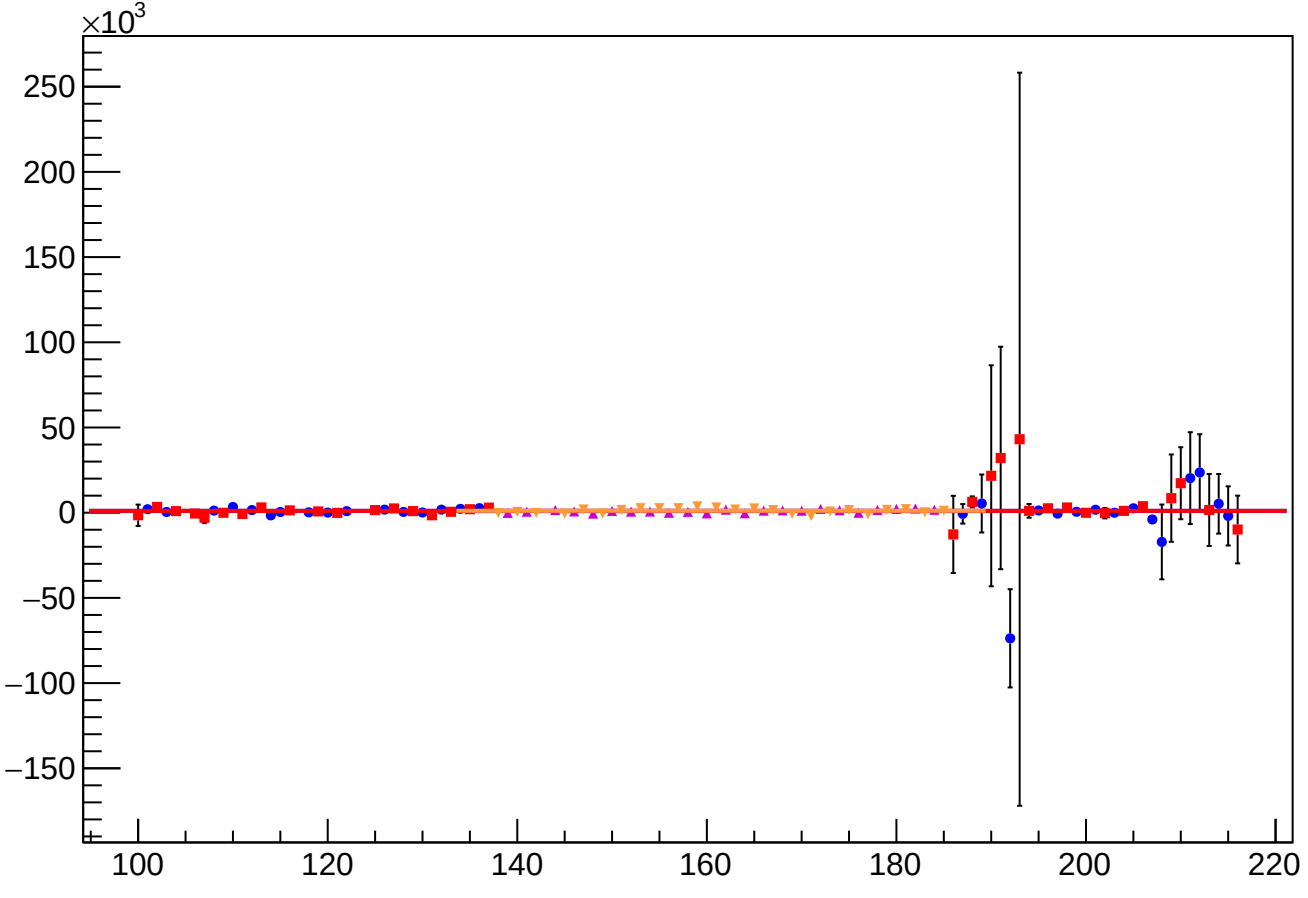
Right: 460.401+/-0.061 χ^2/NDF: 5341669.9/64

In: 532.575+/-0.069 χ^2/NDF:7070474.4/53

Out: 564.689+/-0.073 χ^2/NDF:6939566.8/57

All: 547.809+/-0.050 χ^2/NDF: 14111704.6/1

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1094.785+/-280.519 χ^2/NDF: 26.9/30

Left Out: 1137.936+/-228.834 χ^2/NDF:38.9/23

Right Out: 1060.831+/-280.321 χ^2/NDF: 30.8/33

Left In: 941.702+/-228.324 χ^2/NDF:14.8/22

Left: 1039.600+/-161.629 χ^2/NDF: 54.0/46

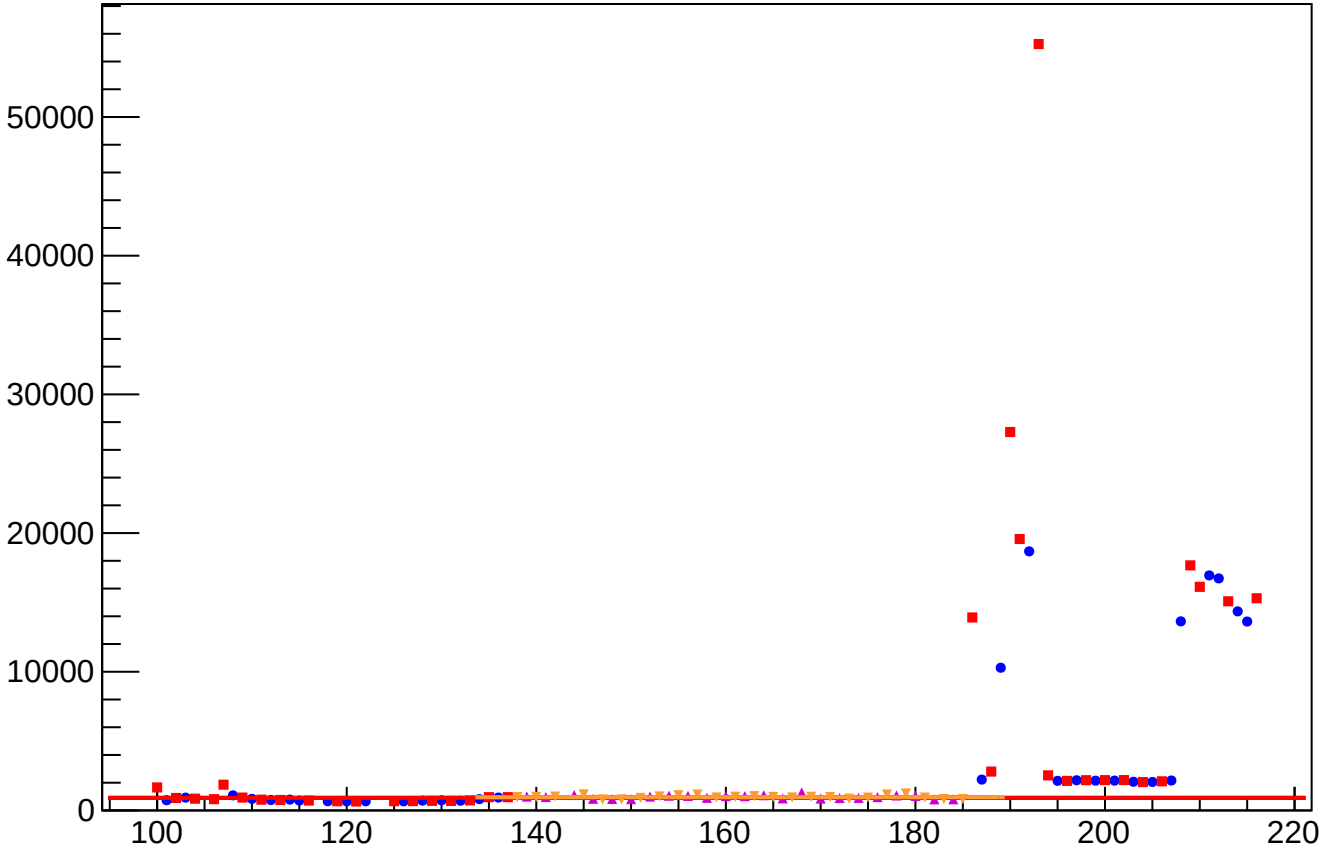
Right: 1077.796+/-198.287 χ^2/NDF: 57.7/64

In: 1002.704+/-177.081 χ^2/NDF:41.9/53

Out: 1107.102+/-177.269 χ^2/NDF:69.7/57

All: 1054.848+/-125.281 χ^2/NDF: 111.7/111

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 910.353+/-0.198 χ^2/NDF: 10632158.5/30

Left Out: 954.333+/-0.162 χ^2/NDF:460147.5/23

Right Out: 907.829+/-0.198 χ^2/NDF: 10191413.1/33

Left In: 946.573+/-0.161 χ^2/NDF:501366.9/22

Left: 950.444+/-0.114 χ^2/NDF: 962667.1/46

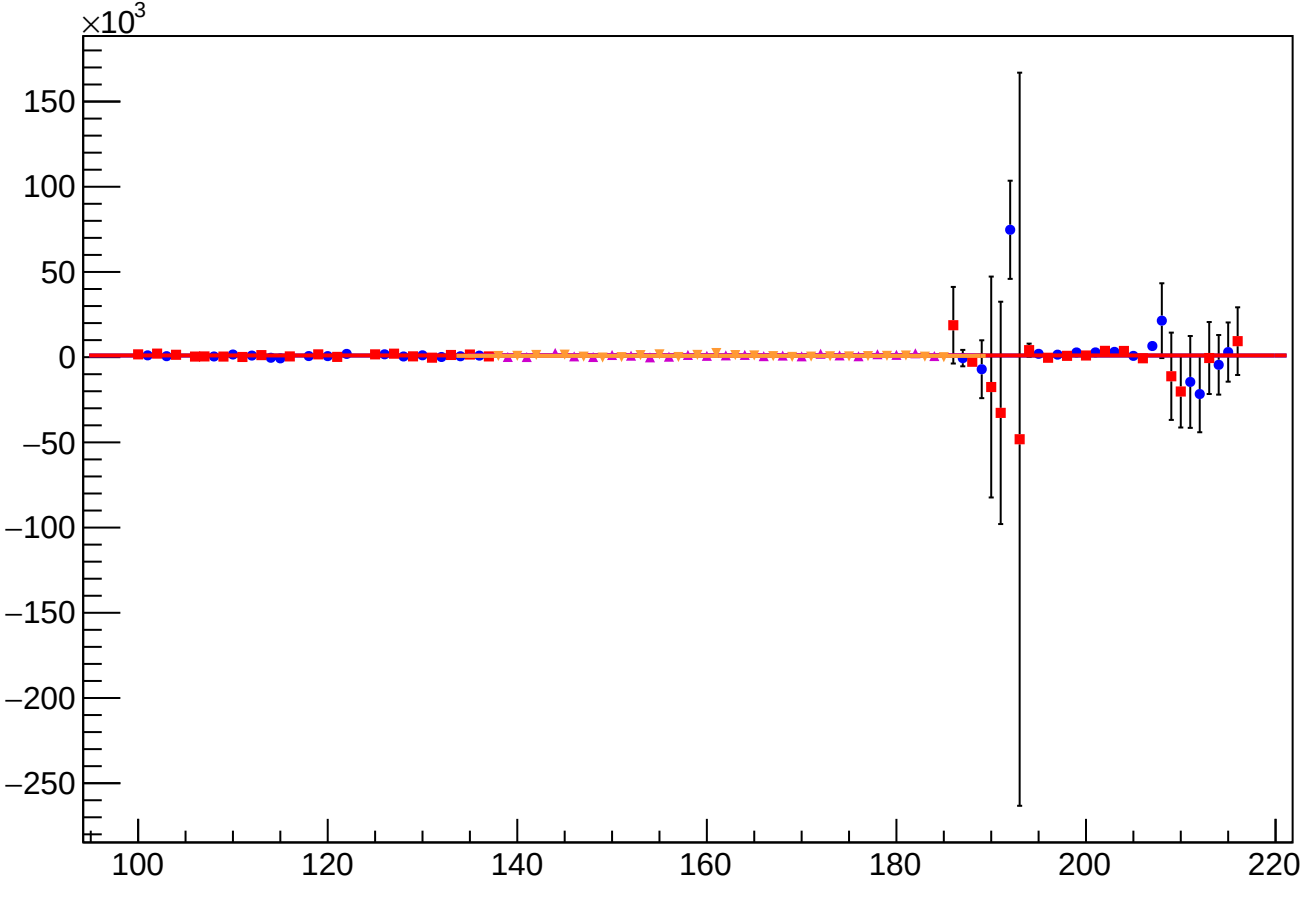
Right: 909.090+/-0.140 χ^2/NDF: 20823652.6/64

In: 932.140+/-0.125 χ^2/NDF:11153580.7/53

Out: 935.736+/-0.125 χ^2/NDF:10684592.3/57

All: 933.936+/-0.089 χ^2/NDF: 21838585.1/1

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 957.088+/-209.692 χ^2/NDF: 23.8/30

Left Out: 757.642+/-133.942 χ^2/NDF:21.0/23

Right Out: 1016.017+/-202.642 χ^2/NDF: 20.2/33

Left In: 958.517+/-134.824 χ^2/NDF:26.8/22

Left: 857.420+/-95.022 χ^2/NDF: 49.0/46

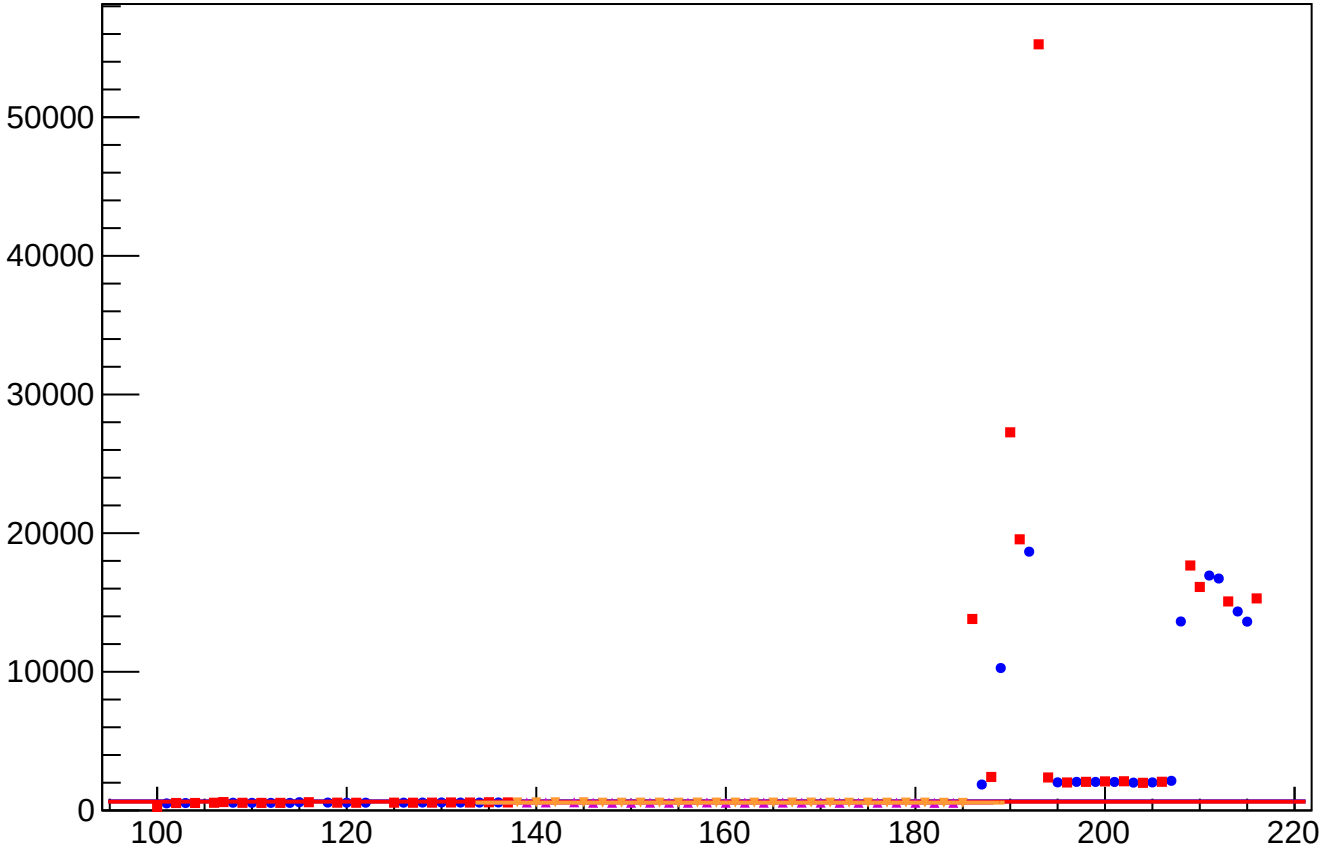
Right: 987.560+/-145.718 χ^2/NDF: 44.1/64

In: 958.099+/-113.406 χ^2/NDF:50.6/53

Out: 836.202+/-111.739 χ^2/NDF:42.4/57

All: 896.248+/-79.594 χ^2/NDF: 93.6/111

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 657.450+/-0.148 χ^2/NDF: 12050538.7/30

Left Out: 563.675+/-0.095 χ^2/NDF:9542.9/23

Right Out: 635.061+/-0.143 χ^2/NDF: 11476905.9/33

Left In: 563.934+/-0.095 χ^2/NDF:9204.6/22

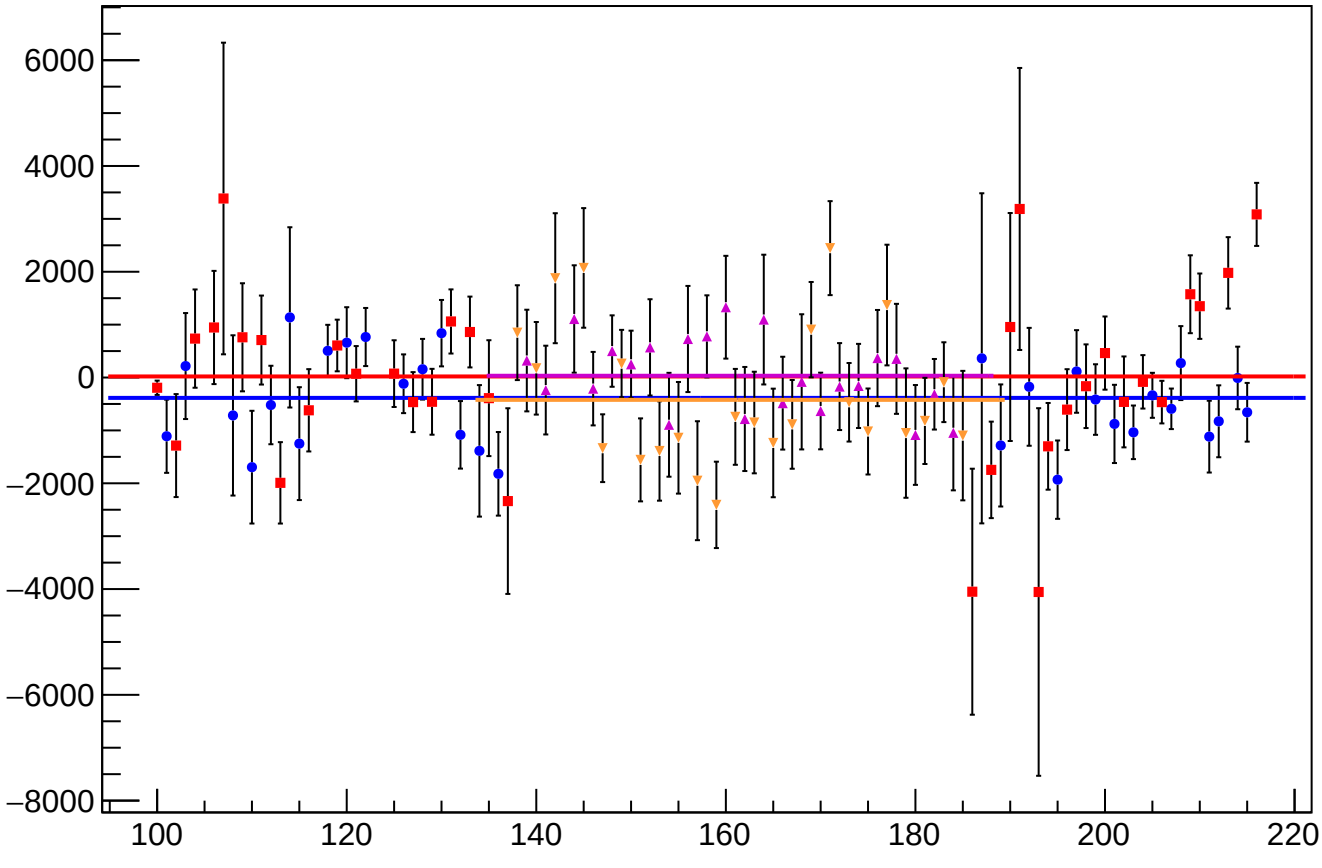
Left: 563.803+/-0.067 χ^2/NDF: 18751.3/46

Right: 645.873+/-0.103 χ^2/NDF: 23539234.3/64

In: 591.286+/-0.080 χ^2/NDF:12341172.7/53

Out: 585.380+/-0.079 χ^2/NDF:11659182.2/57

All: 588.289+/-0.056 χ^2/NDF: 24003107.4/11



Right In: -385.065+/-120.801 χ^2/NDF: 35.6/30

Left Out: -422.324+/-180.531 χ^2/NDF:43.3/23

Right Out: 20.278+/-93.012 χ^2/NDF: 84.1/33

Left In: 33.325+/-179.355 χ^2/NDF:12.1/22

Left: -193.010+/-127.237 χ^2/NDF: 58.6/46

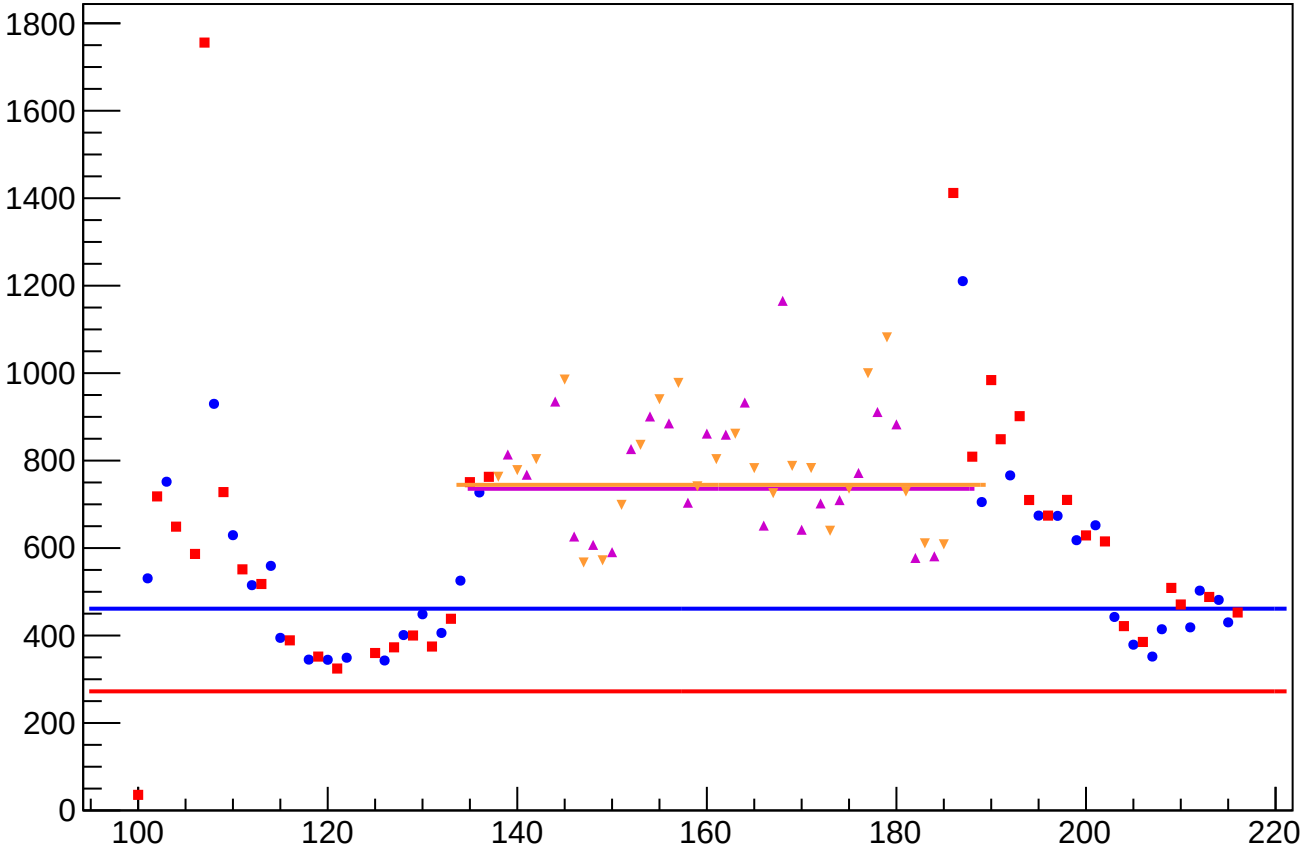
Right: -130.586+/-73.697 χ^2/NDF: 126.9/64

In: -254.496+/-100.194 χ^2/NDF:51.5/53

Out: -72.563+/-82.683 χ^2/NDF:132.2/57

All: -146.267+/-63.772 χ^2/NDF: 185.6/111

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 461.399+/-0.085 χ^2/NDF: 2254392.6/30

Left Out: 744.597+/-0.128 χ^2/NDF:1009604.0/23

Right Out: 272.332+/-0.066 χ^2/NDF: 14685178.3/33

Left In: 735.543+/-0.127 χ^2/NDF:1105222.3/22

Left: 740.040+/-0.090 χ^2/NDF: 2117358.1/46

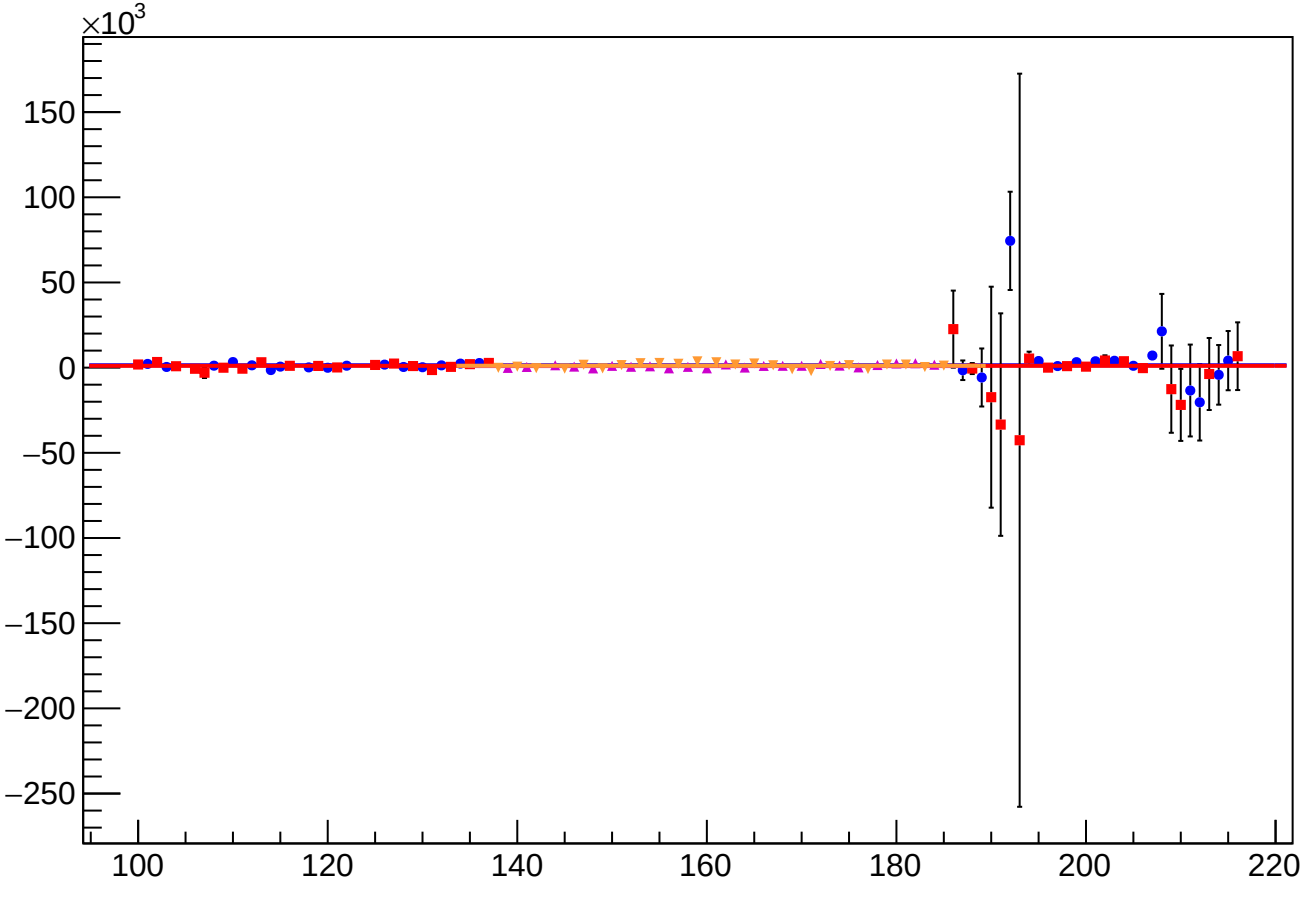
Right: 342.700+/-0.052 χ^2/NDF: 20015300.7/64

In: 546.952+/-0.071 χ^2/NDF:6574032.1/53

Out: 371.395+/-0.058 χ^2/NDF:26510474.8/57

All: 442.516+/-0.045 χ^2/NDF: 36737185.4/1

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1406.815+/-280.422 χ^2/NDF: 31.1/30

Left Out: 1105.144+/-228.700 χ^2/NDF:38.3/23

Right Out: 1070.576+/-269.430 χ^2/NDF: 29.6/33

Left In: 926.281+/-228.196 χ^2/NDF:15.1/22

Left: 1015.515+/-161.537 χ^2/NDF: 53.7/46

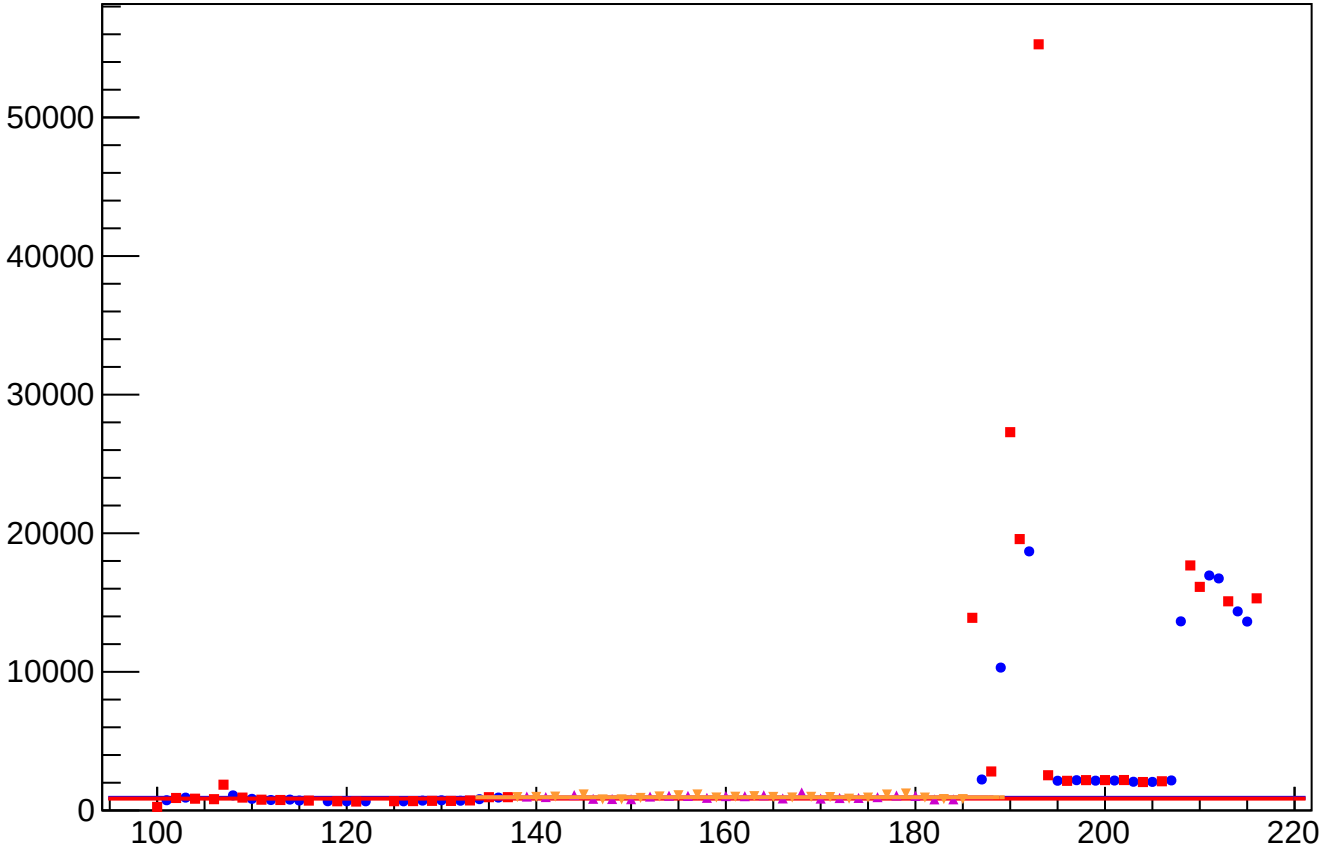
Right: 1231.976+/-194.286 χ^2/NDF: 61.4/64

In: 1117.721+/-176.997 χ^2/NDF:48.0/53

Out: 1090.668+/-174.356 χ^2/NDF:67.9/57

All: 1103.991+/-124.212 χ^2/NDF: 115.9/111

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 909.604+/-0.198 χ^2/NDF: 10653044.7/30

Left Out: 953.781+/-0.162 χ^2/NDF:460211.0/23

Right Out: 855.433+/-0.191 χ^2/NDF: 11009056.6/33

Left In: 946.041+/-0.161 χ^2/NDF:501442.7/22

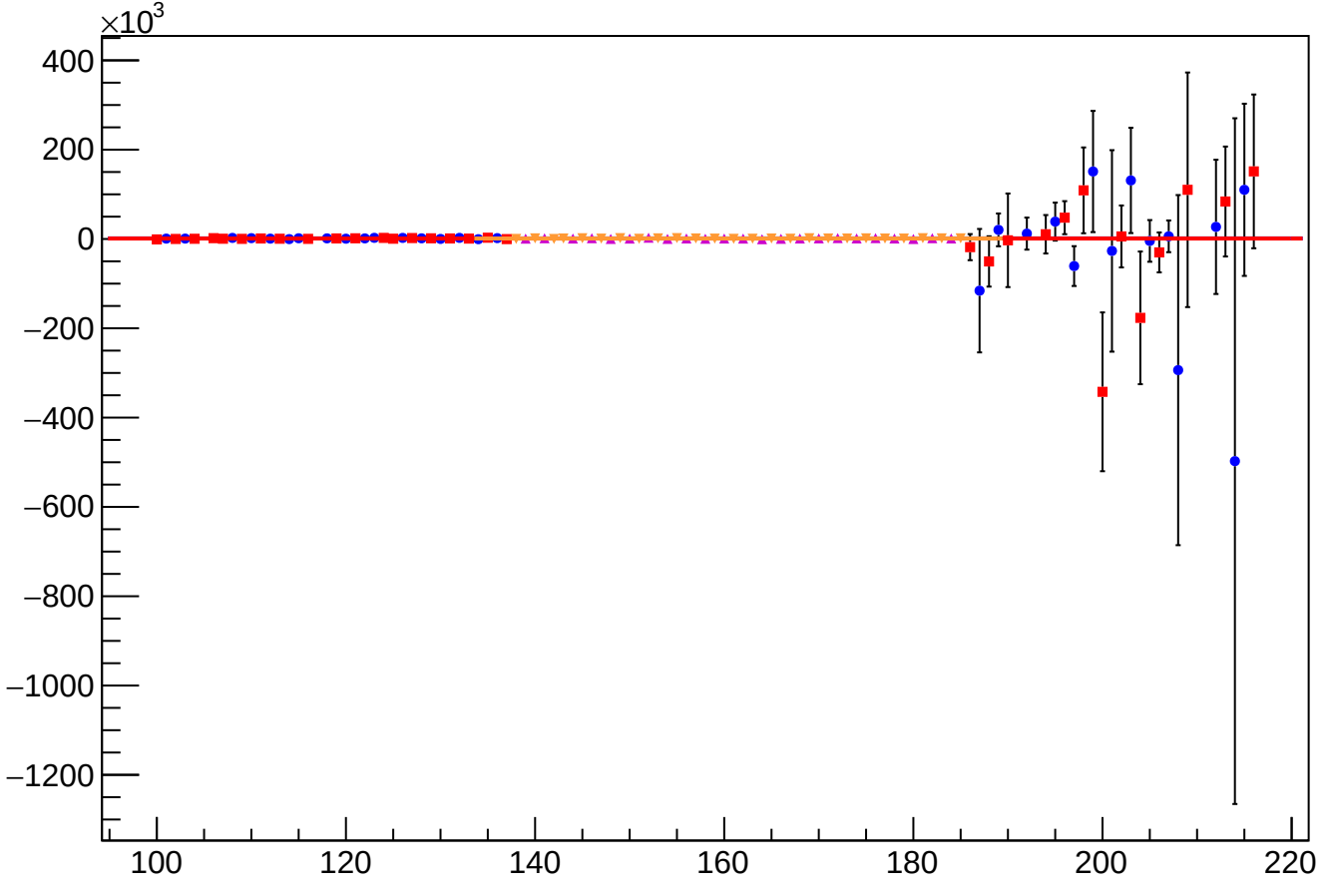
Left: 949.902+/-0.114 χ^2/NDF: 962801.6/46

Right: 881.436+/-0.137 χ^2/NDF: 21700909.9/64

In: 931.525+/-0.125 χ^2/NDF:11174801.7/53

Out: 912.595+/-0.123 χ^2/NDF:11624153.6/57

All: 921.918+/-0.088 χ^2/NDF: 22810565.4/1



Right In: 1325.256+/-218.579 χ^2/NDF: 20.4/30

Left Out: 1073.626+/-129.690 χ^2/NDF:15.1/24

Right Out: 1040.074+/-212.061 χ^2/NDF: 24.7/31

Left In: 1123.857+/-133.163 χ^2/NDF:30.0/22

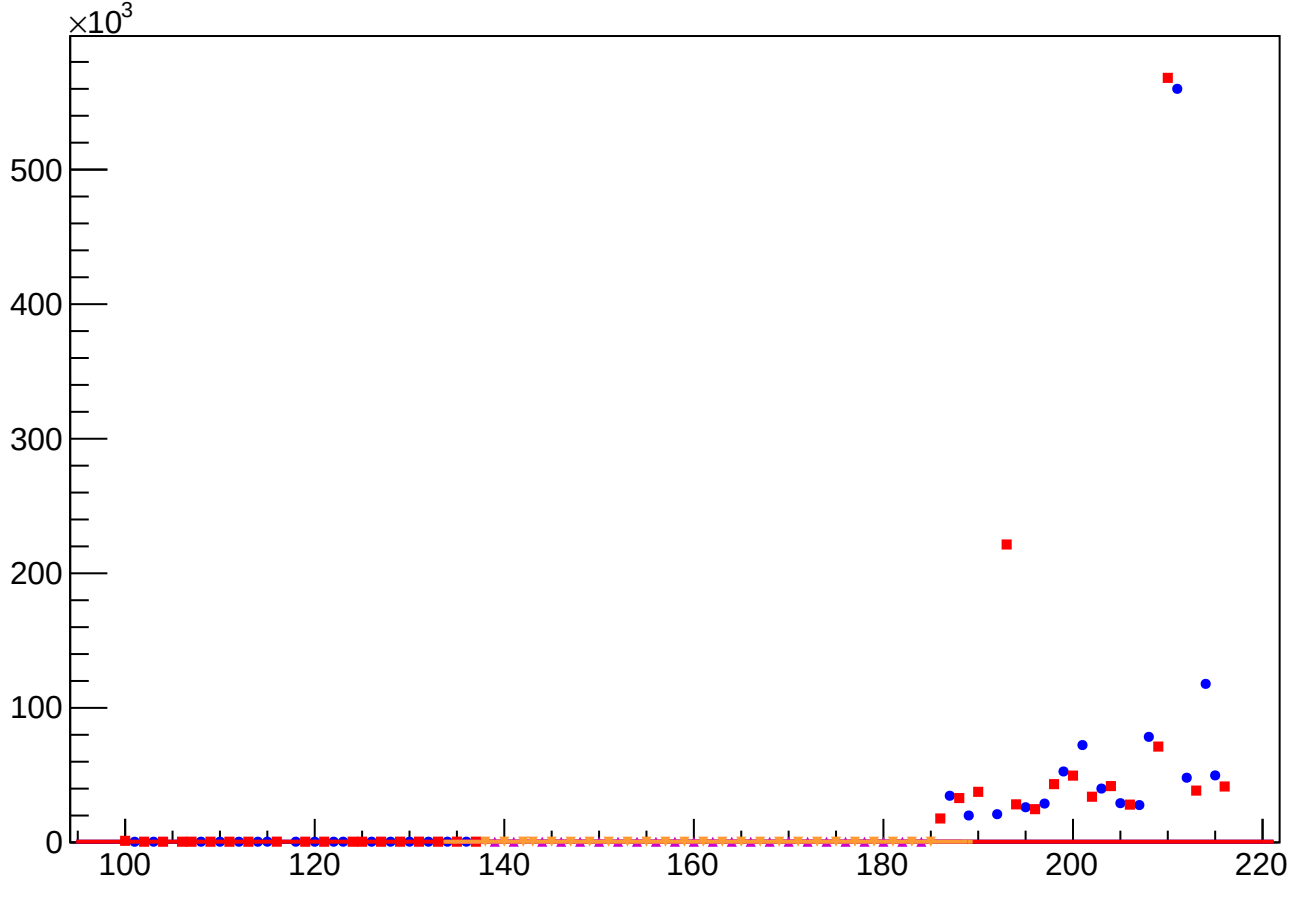
Left: 1098.077+/-92.908 χ^2/NDF: 45.2/47

Right: 1178.350+/-152.202 χ^2/NDF: 46.0/62

In: 1178.373+/-113.721 χ^2/NDF:51.0/53

Out: 1064.493+/-110.639 χ^2/NDF:39.9/56

All: 1119.869+/-79.301 χ^2/NDF: 91.4/110



Right In: 568.709+/-0.155 χ^2/NDF: 6261848.9/31

Left Out: 557.534+/-0.092 χ^2/NDF:14752.8/24

Right Out: 569.930+/-0.150 χ^2/NDF: 6045535.5/33

Left In: 556.969+/-0.094 χ^2/NDF:11209.7/22

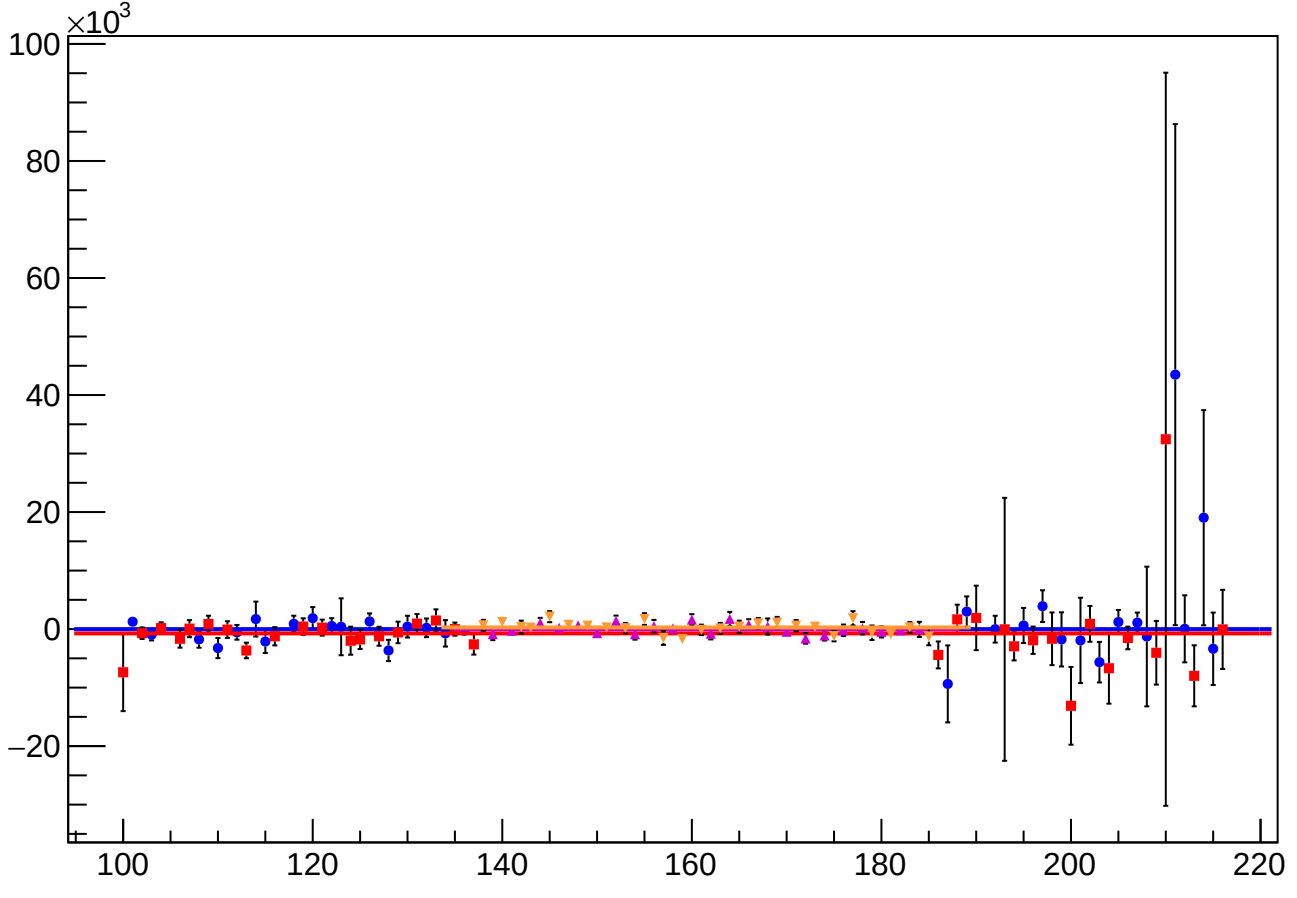
Left: 557.259+/-0.066 χ^2/NDF: 25980.9/47

Right: 569.338+/-0.108 χ^2/NDF: 12307416.6/65

In: 560.147+/-0.080 χ^2/NDF:6277266.2/54

Out: 560.908+/-0.078 χ^2/NDF:6065261.7/58

All: 560.538+/-0.056 χ^2/NDF: 12342574.0/11



Right In: -8.974+/-306.015 χ^2/NDF: 28.7/31

Left Out: 281.875+/-180.423 χ^2/NDF:26.7/24

Right Out: -737.697+/-311.228 χ^2/NDF: 27.2/33

Left In: -8.211+/-183.382 χ^2/NDF:20.2/22

Left: 139.190+/-128.612 χ^2/NDF: 48.2/47

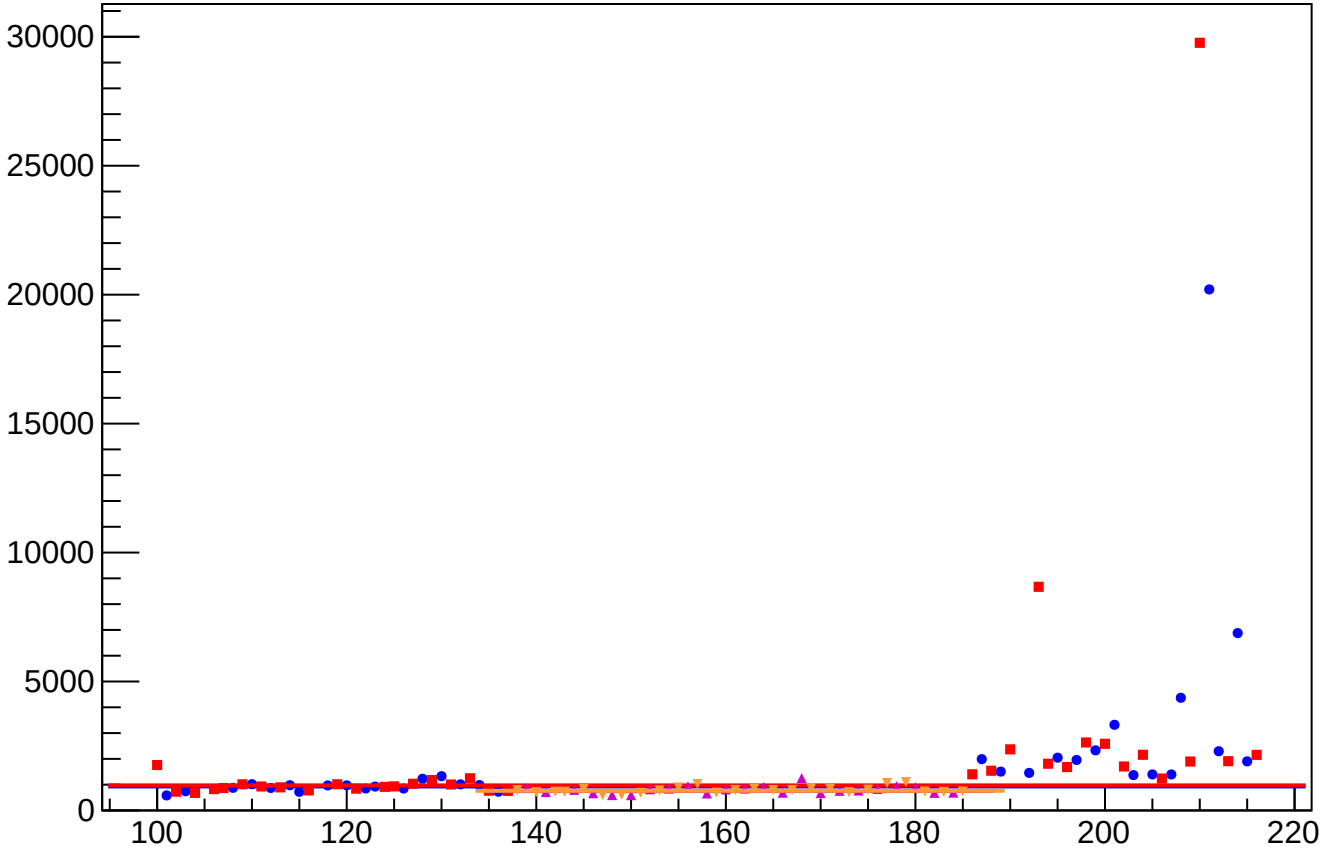
Right: -367.182+/-218.205 χ^2/NDF: 58.7/65

In: -8.413+/-157.300 χ^2/NDF:48.8/54

Out: 25.416+/-156.091 χ^2/NDF:61.9/58

All: 8.632+/-110.798 χ^2/NDF: 110.8/113

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 931.109+/-0.216 χ^2/NDF: 3275648.2/31

Left Out: 763.085+/-0.128 χ^2/NDF:753700.1/24

Right Out: 972.232+/-0.220 χ^2/NDF: 2815434.6/33

Left In: 754.099+/-0.130 χ^2/NDF:931829.3/22

Left: 758.665+/-0.091 χ^2/NDF: 1687969.6/47

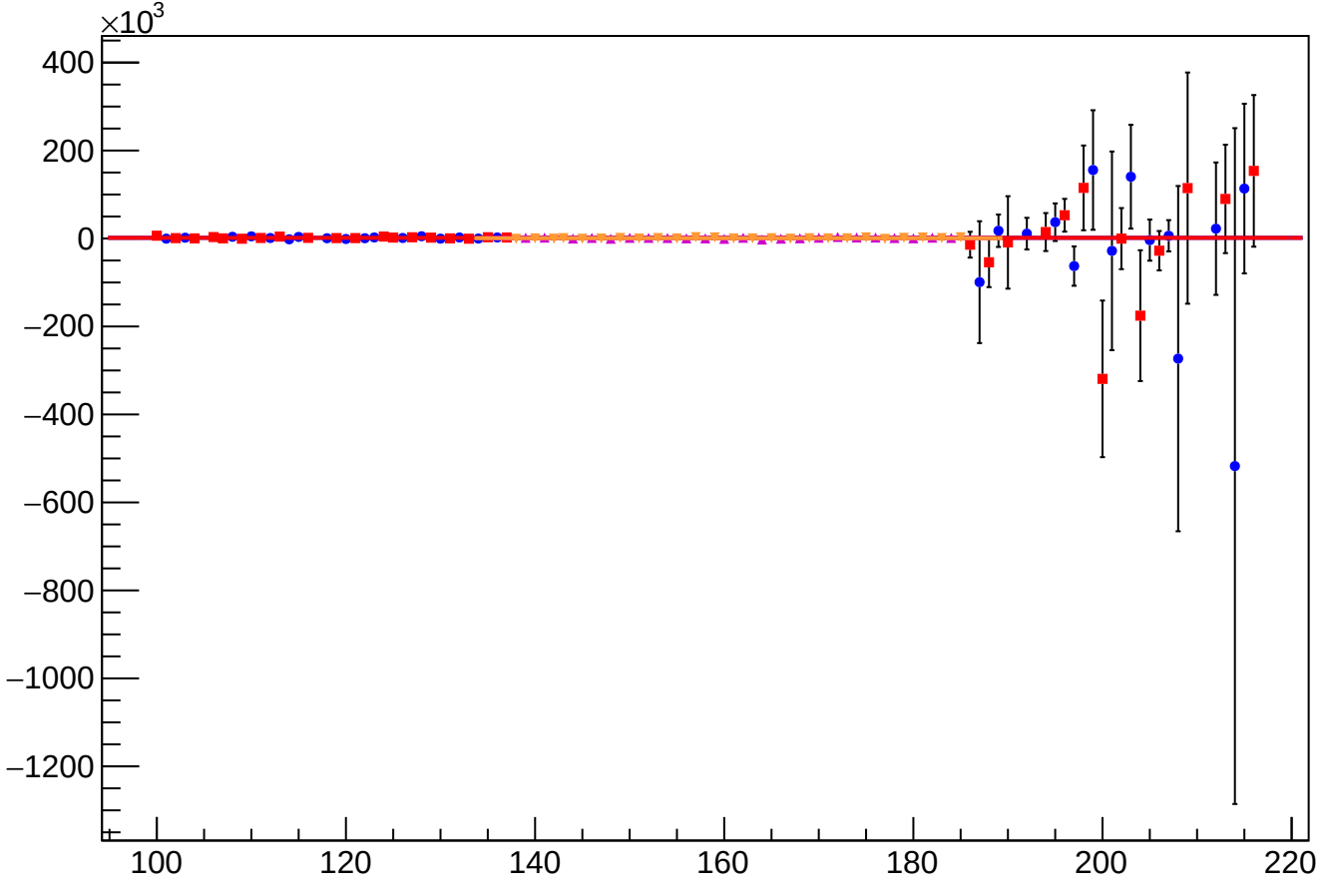
Right: 951.323+/-0.154 χ^2/NDF: 6108836.3/65

In: 800.869+/-0.111 χ^2/NDF:4699847.3/54

Out: 815.693+/-0.110 χ^2/NDF:4245144.4/58

All: 808.339+/-0.078 χ^2/NDF: 8953941.2/113

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1501.500+/-402.534 χ^2/NDF: 24.7/30

Left Out: 739.641+/-225.535 χ^2/NDF:21.5/24

Right Out: 1487.677+/-400.595 χ^2/NDF: 23.2/31

Left In: 1124.587+/-230.065 χ^2/NDF:25.4/22

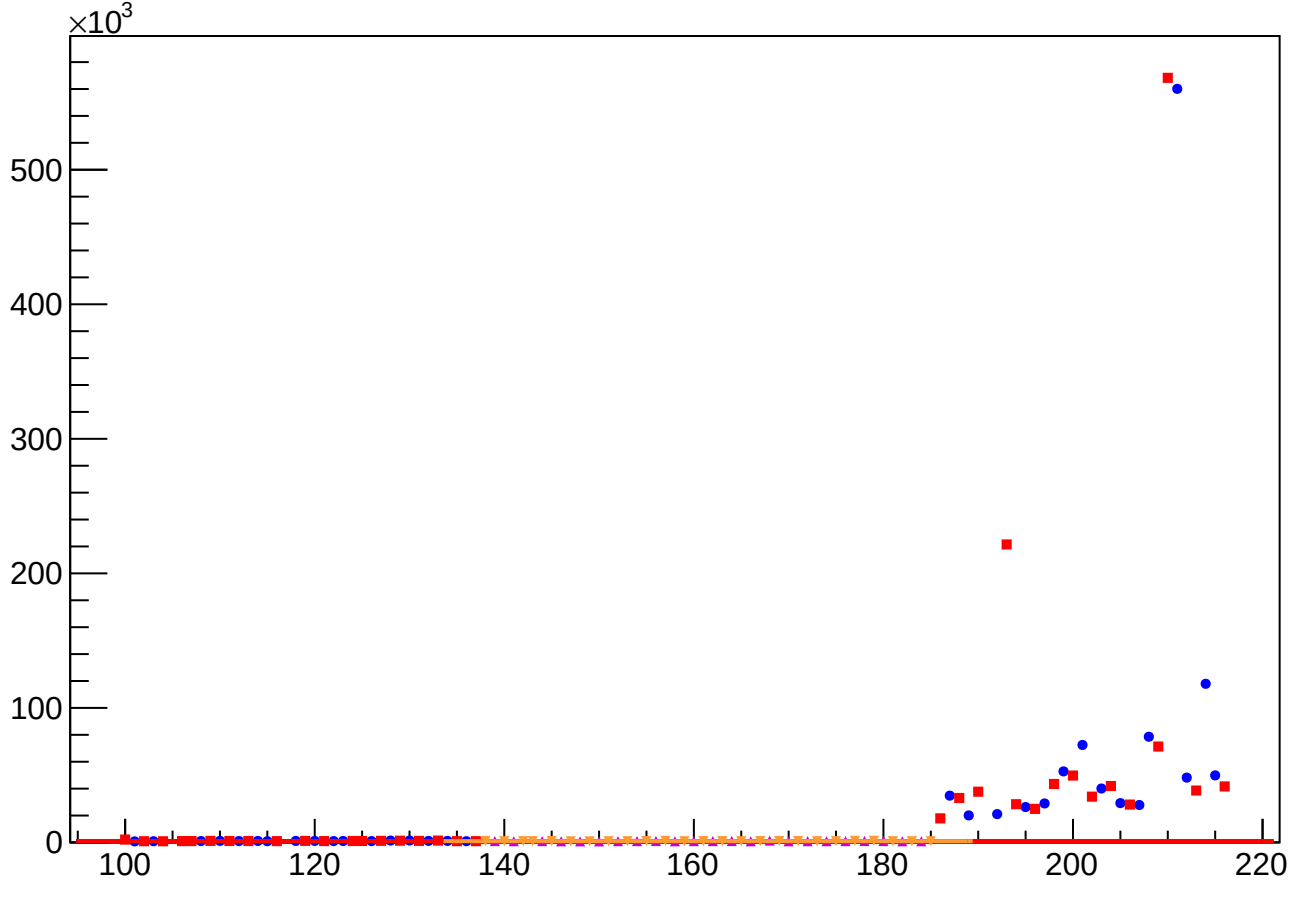
Left: 928.287+/-161.055 χ^2/NDF: 48.3/47

Right: 1494.555+/-283.946 χ^2/NDF: 47.9/62

In: 1217.394+/-199.743 χ^2/NDF:50.7/53

Out: 919.679+/-196.529 χ^2/NDF:47.4/56

All: 1066.122+/-140.089 χ^2/NDF: 99.2/110



Right In: 1039.256+/-0.285 χ^2/NDF: 6390386.1/31

Left Out: 962.256+/-0.159 χ^2/NDF:362937.6/24

Right Out: 1073.976+/-0.283 χ^2/NDF: 6033865.9/33

Left In: 954.643+/-0.163 χ^2/NDF:443395.0/22

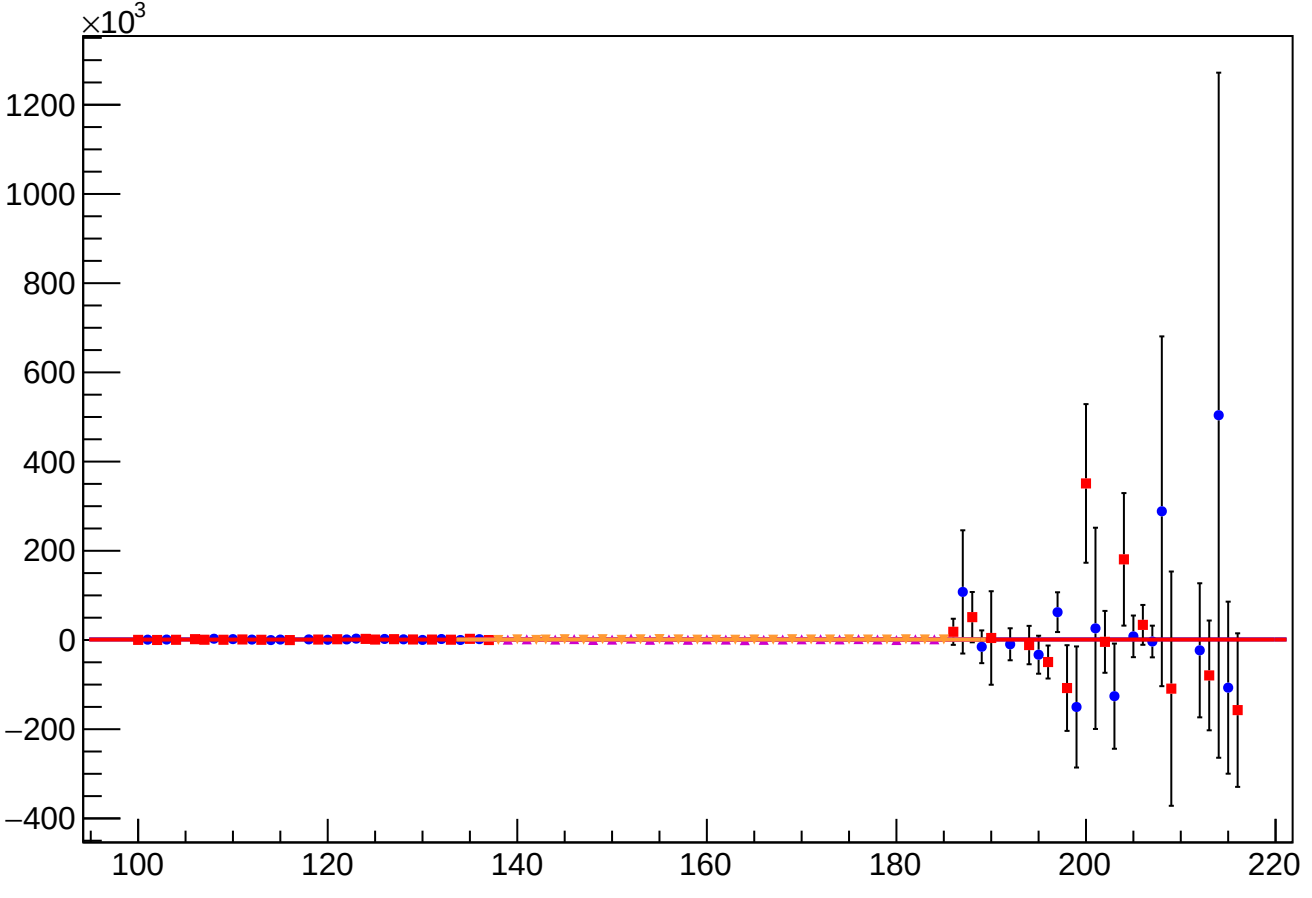
Left: 958.525+/-0.114 χ^2/NDF: 807449.1/47

Right: 1056.700+/-0.201 χ^2/NDF: 12431727.8/65

In: 975.477+/-0.141 χ^2/NDF:6900391.4/54

Out: 989.145+/-0.139 χ^2/NDF:6514921.0/58

All: 982.422+/-0.099 χ^2/NDF: 13420070.3/11



Right In: 1344.338+/-218.833 χ^2/NDF: 19.2/30

Left Out: 1087.627+/-129.821 χ^2/NDF:14.9/24

Right Out: 965.598+/-208.596 χ^2/NDF: 23.9/31

Left In: 1189.481+/-133.313 χ^2/NDF:32.2/22

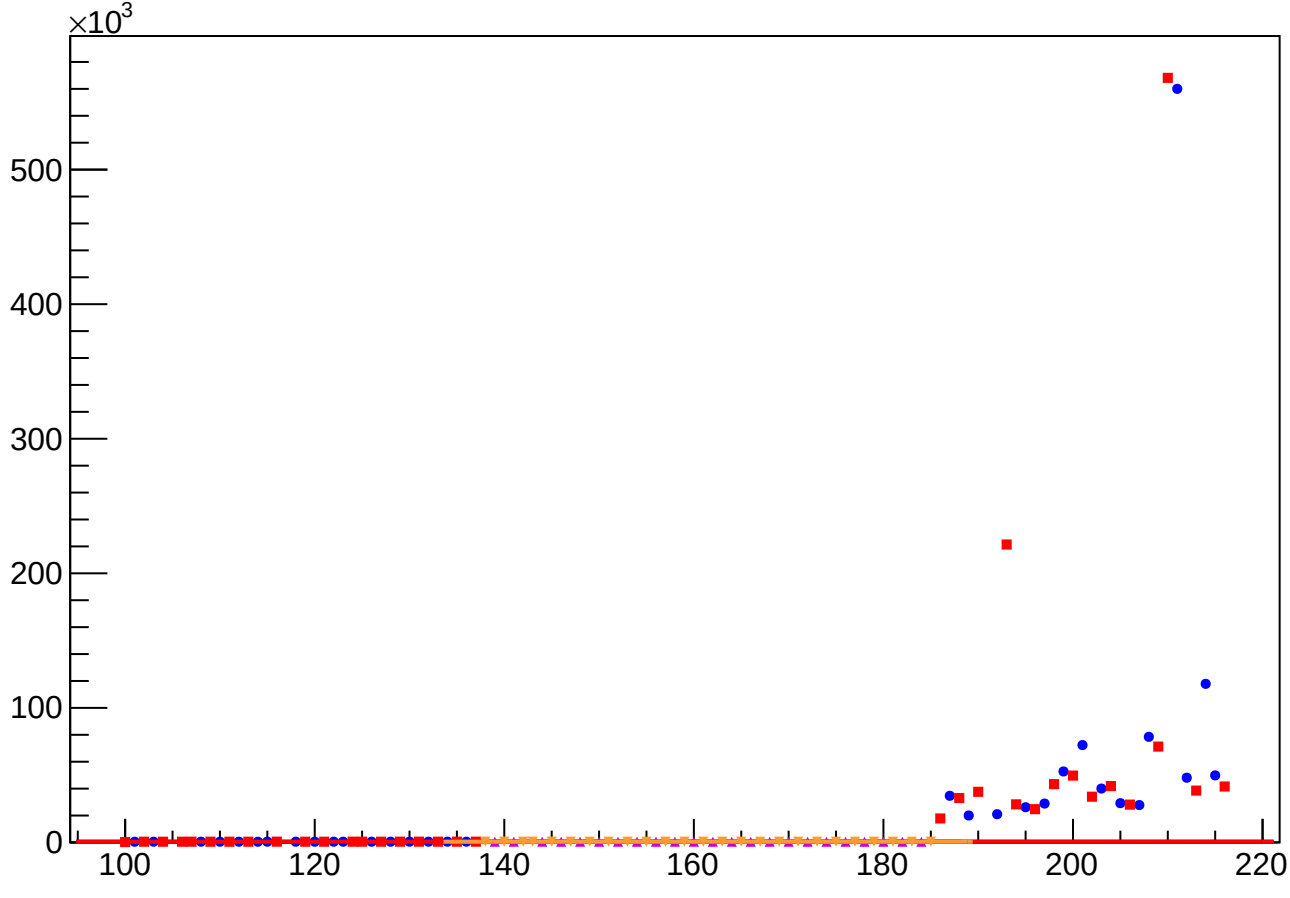
Left: 1137.202+/-93.008 χ^2/NDF: 47.4/47

Right: 1145.903+/-150.989 χ^2/NDF: 44.7/62

In: 1231.397+/-113.851 χ^2/NDF:51.7/53

Out: 1053.558+/-110.219 χ^2/NDF:39.1/56

All: 1139.596+/-79.189 χ^2/NDF: 92.1/110



Right In: 569.372+/-0.155 χ^2/NDF: 6262063.1/31

Left Out: 558.099+/-0.092 χ^2/NDF:14785.2/24

Right Out: 558.917+/-0.147 χ^2/NDF: 6133422.6/33

Left In: 557.597+/-0.094 χ^2/NDF:11276.8/22

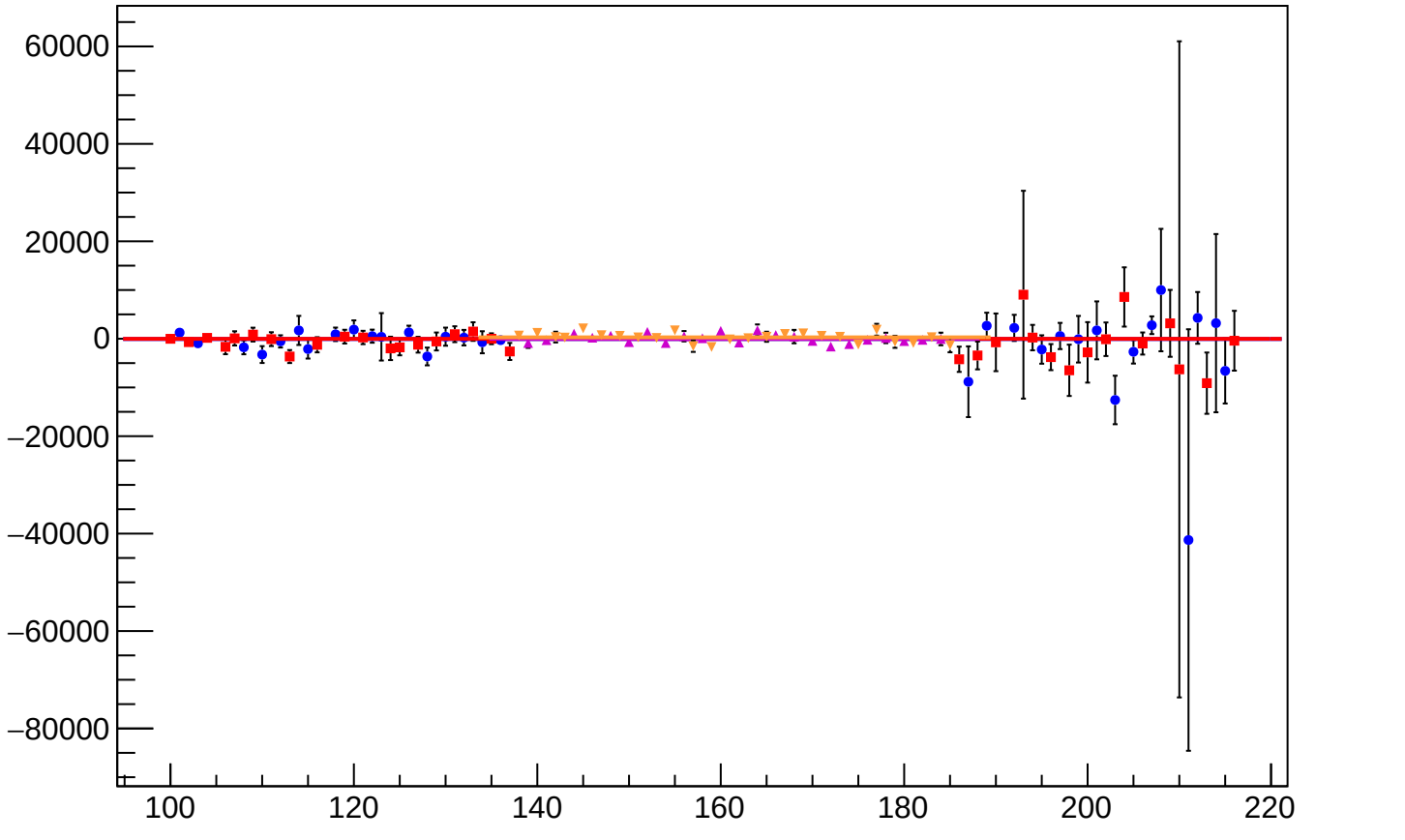
Left: 557.854+/-0.066 χ^2/NDF: 26076.6/47

Right: 563.894+/-0.107 χ^2/NDF: 12397877.7/65

In: 560.784+/-0.081 χ^2/NDF:6277563.6/54

Out: 558.327+/-0.078 χ^2/NDF:6148230.0/58

All: 559.516+/-0.056 χ^2/NDF: 12426274.3/11



Right In: -61.747+/-308.896 χ^2/NDF: 34.1/31

Left Out: 281.402+/-180.478 χ^2/NDF:26.8/24

Right Out: -23.069+/-38.925 χ^2/NDF: 28.3/33

Left In: -7.306+/-183.473 χ^2/NDF:20.1/22

Left: 139.424+/-128.663 χ^2/NDF: 48.2/47

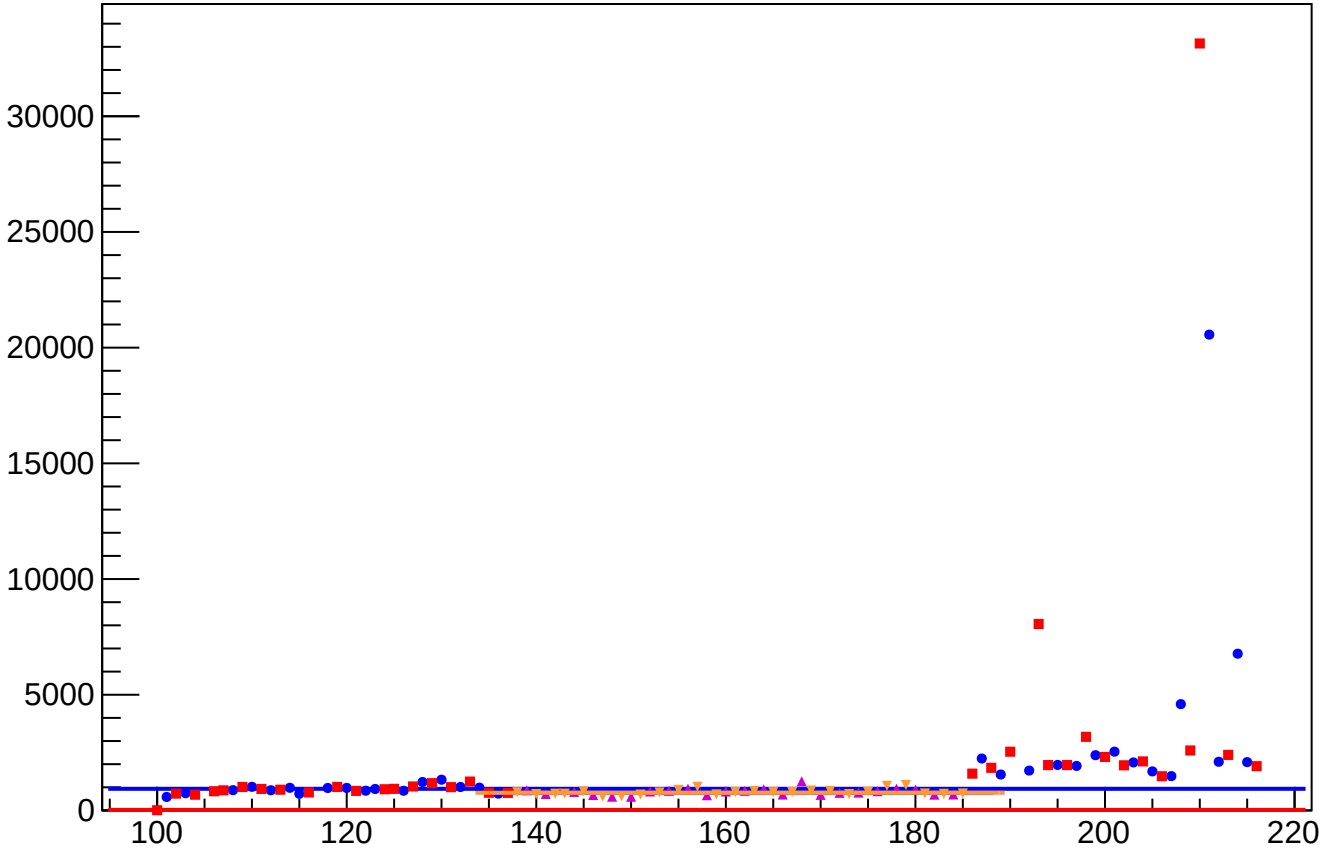
Right: -23.674+/-38.619 χ^2/NDF: 62.4/65

In: -21.504+/-157.745 χ^2/NDF:54.2/54

Out: -9.536+/-38.050 χ^2/NDF:57.8/58

All: -10.194+/-36.989 χ^2/NDF: 112.0/113

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 935.662+/-0.218 χ^2/NDF: 3469048.1/31

Left Out: 763.307+/-0.128 χ^2/NDF:753728.9/24

Right Out: 24.729+/-0.028 χ^2/NDF: 21788354.6/33

Left In: 754.483+/-0.130 χ^2/NDF:931536.8/22

Left: 758.967+/-0.091 χ^2/NDF: 1687616.8/47

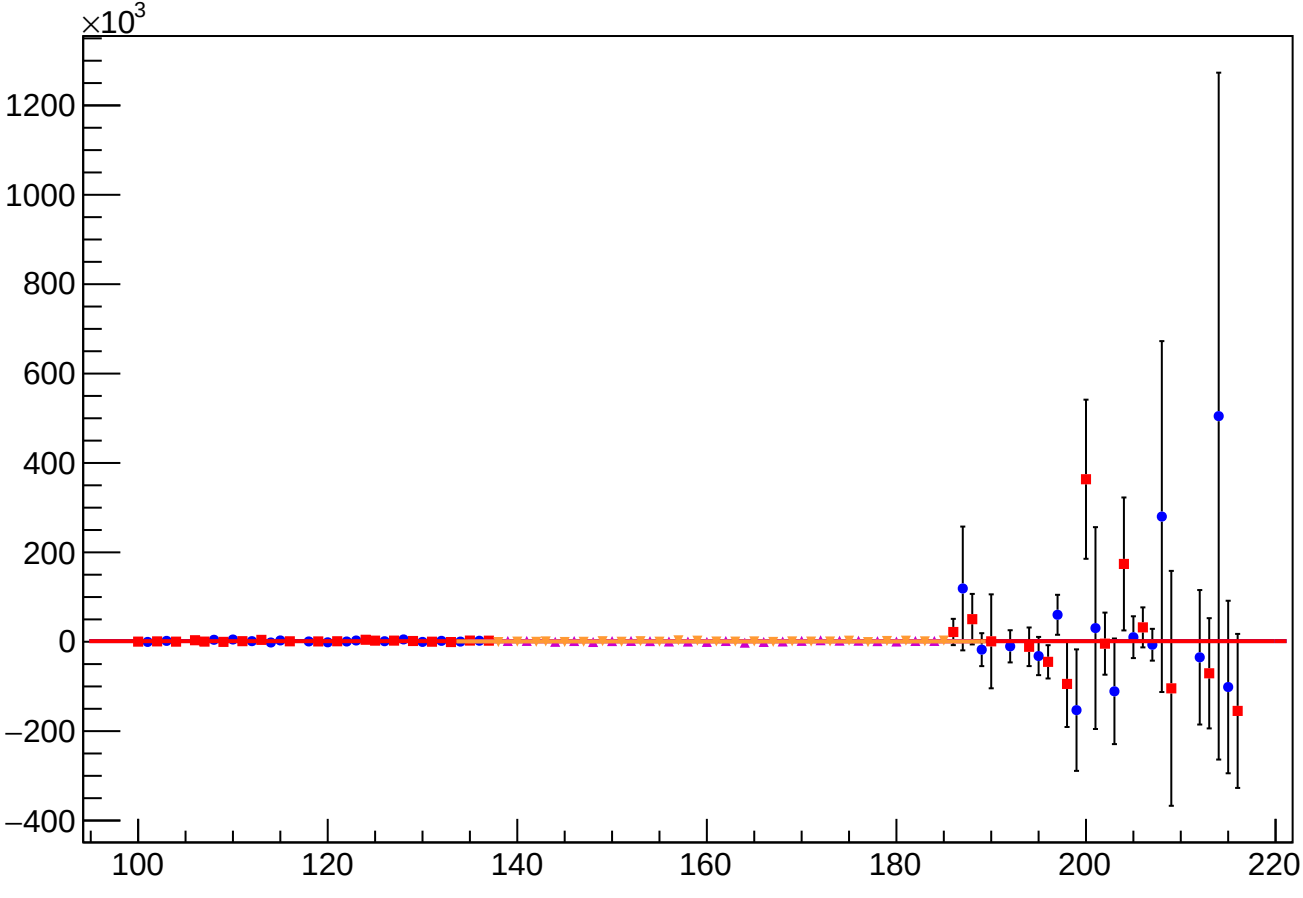
Right: 38.968+/-0.027 χ^2/NDF: 42378877.7/65

In: 801.733+/-0.112 χ^2/NDF:4909208.1/54

Out: 57.558+/-0.027 χ^2/NDF:54547780.3/58

All: 98.475+/-0.026 χ^2/NDF: 101520690.6/11

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1515.257+/-402.757 χ^2/NDF: 24.8/30

Left Out: 742.825+/-225.658 χ^2/NDF:20.2/24

Right Out: 1289.064+/-376.577 χ^2/NDF: 23.5/31

Left In: 1176.288+/-230.229 χ^2/NDF:24.2/22

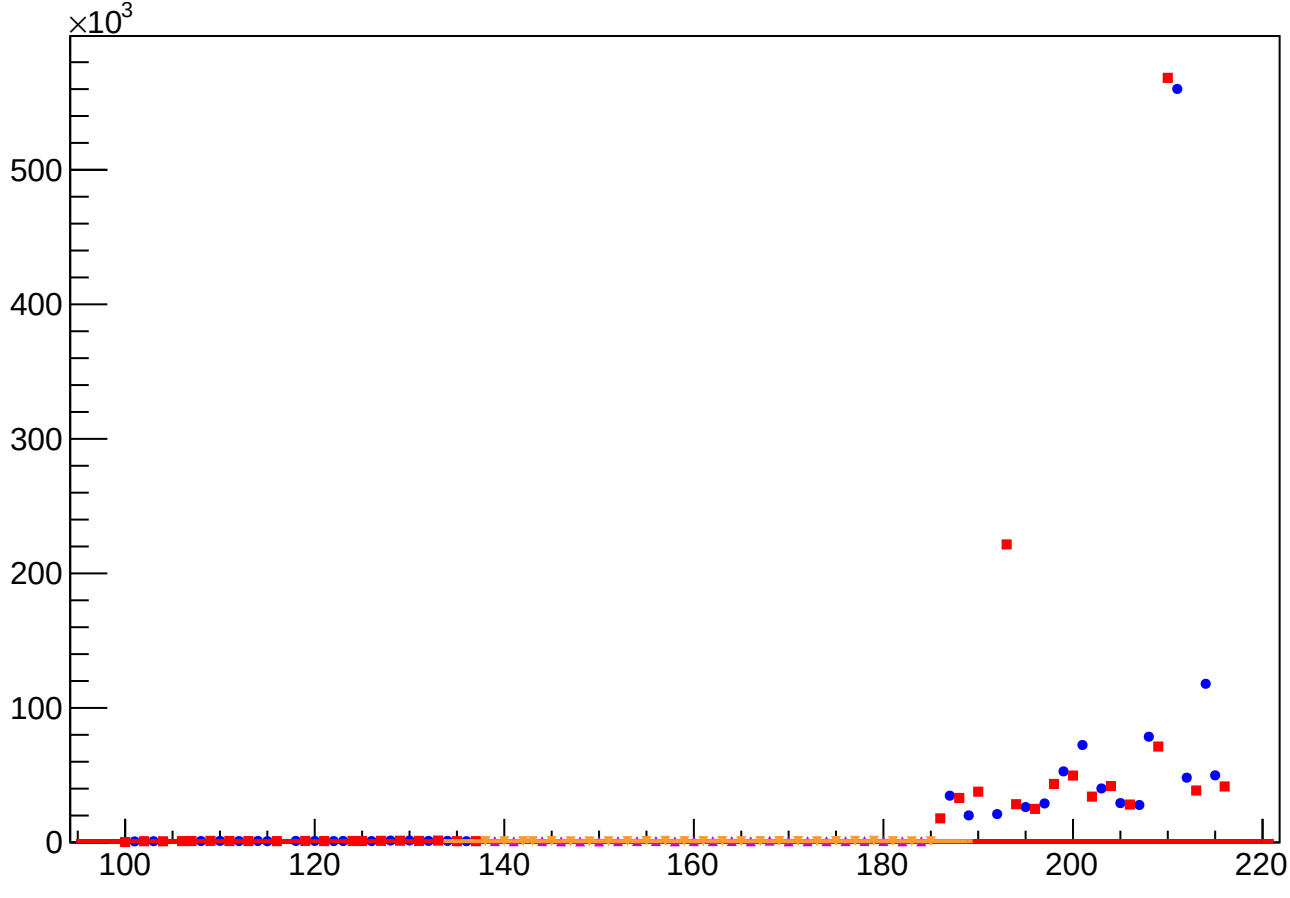
Left: 955.211+/-161.156 χ^2/NDF: 46.3/47

Right: 1394.571+/-275.070 χ^2/NDF: 48.5/62

In: 1259.771+/-199.877 χ^2/NDF:49.6/53

Out: 887.146+/-193.565 χ^2/NDF:45.3/56

All: 1067.483+/-139.049 χ^2/NDF: 96.7/110



Right In: 1039.840+/-0.285 χ^2/NDF: 6391083.2/31

Left Out: 962.776+/-0.160 χ^2/NDF:362837.8/24

Right Out: 978.400+/-0.266 χ^2/NDF: 6908195.3/33

Left In: 955.331+/-0.163 χ^2/NDF:443068.5/22

Left: 959.128+/-0.114 χ^2/NDF: 806973.3/47

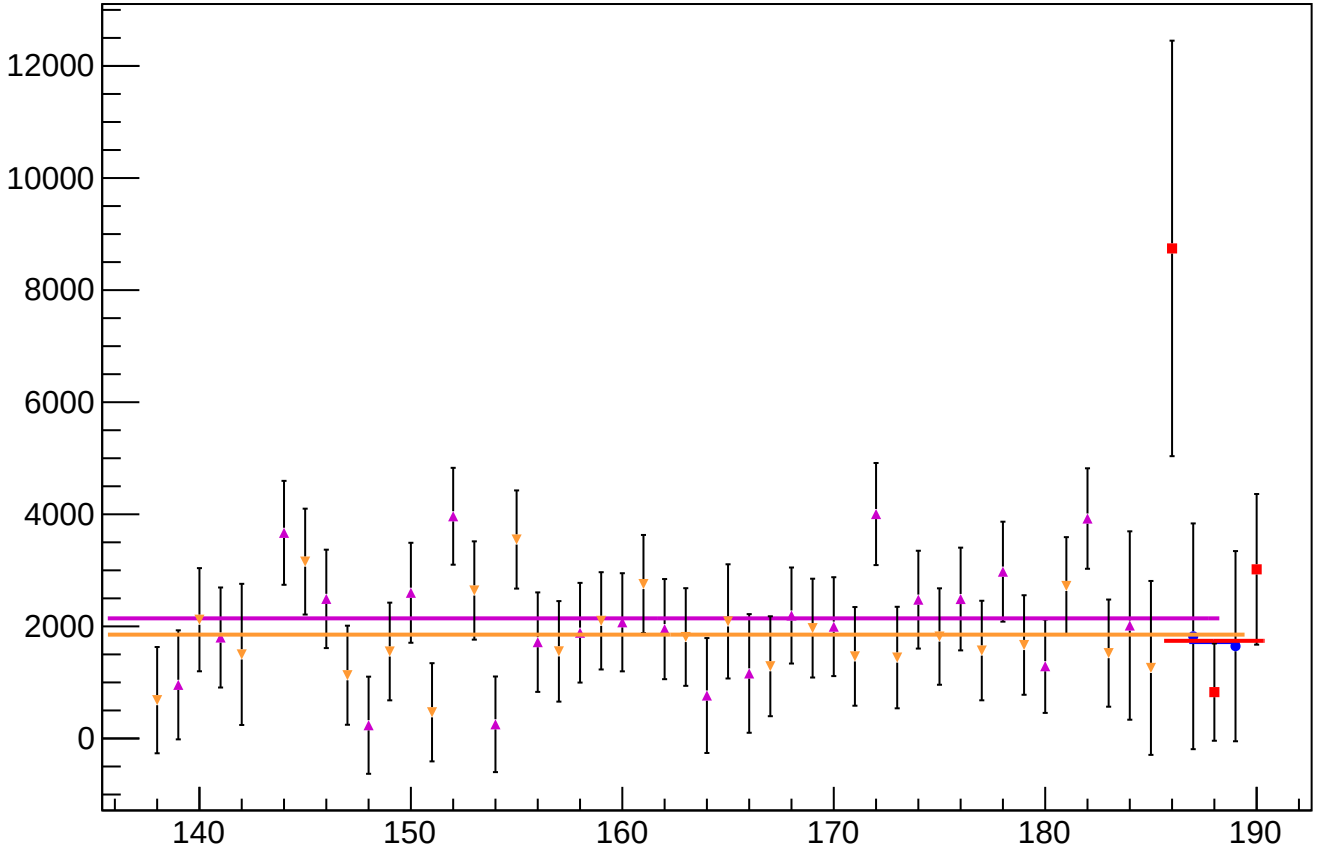
Right: 1007.058+/-0.195 χ^2/NDF: 13324111.3/65

In: 976.144+/-0.141 χ^2/NDF:6900519.9/54

Out: 966.904+/-0.137 χ^2/NDF:7273566.1/58

All: 971.376+/-0.098 χ^2/NDF: 14176291.4/1

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 1720.097+/-1297.686 χ^2/NDF: 0.0/1

Left Out: 1852.926+/-187.412 χ^2/NDF:15.0/23

Right Out: 1742.386+/-715.276 χ^2/NDF: 5.6/2

Left In: 2143.254+/-190.144 χ^2/NDF:32.4/22

Left: 1995.990+/-133.476 χ^2/NDF: 48.5/46

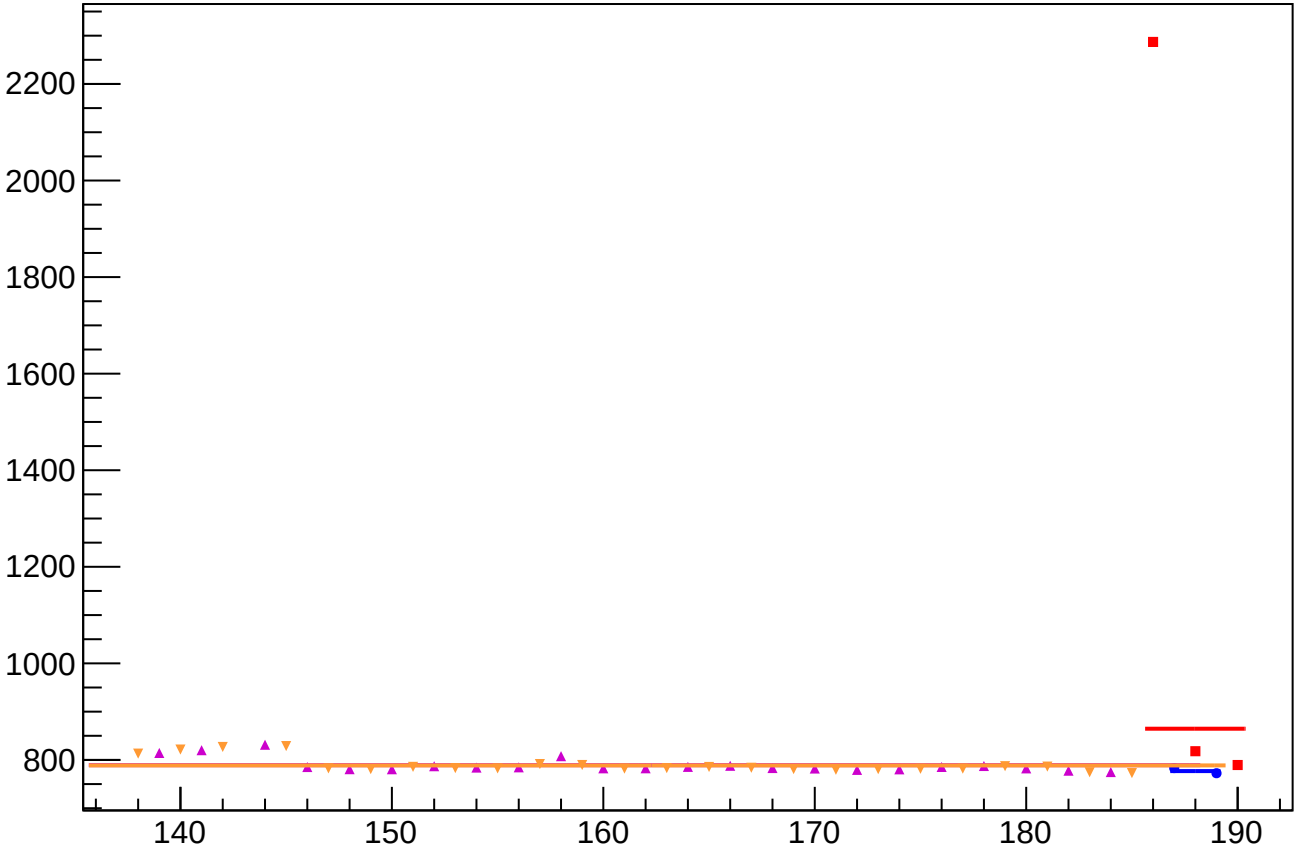
Right: 1737.192+/-626.421 χ^2/NDF: 5.6/4

In: 2134.360+/-188.135 χ^2/NDF:32.5/24

Out: 1845.825+/-181.293 χ^2/NDF:20.6/26

All: 1984.750+/-130.545 χ^2/NDF: 54.3/51

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 776.892+/-0.918 χ^2/NDF: 32.5/1

Left Out: 788.658+/-0.133 χ^2/NDF:11499.7/23

Right Out: 864.658+/-0.506 χ^2/NDF: 306489.7/2

Left In: 789.176+/-0.134 χ^2/NDF:10860.4/22

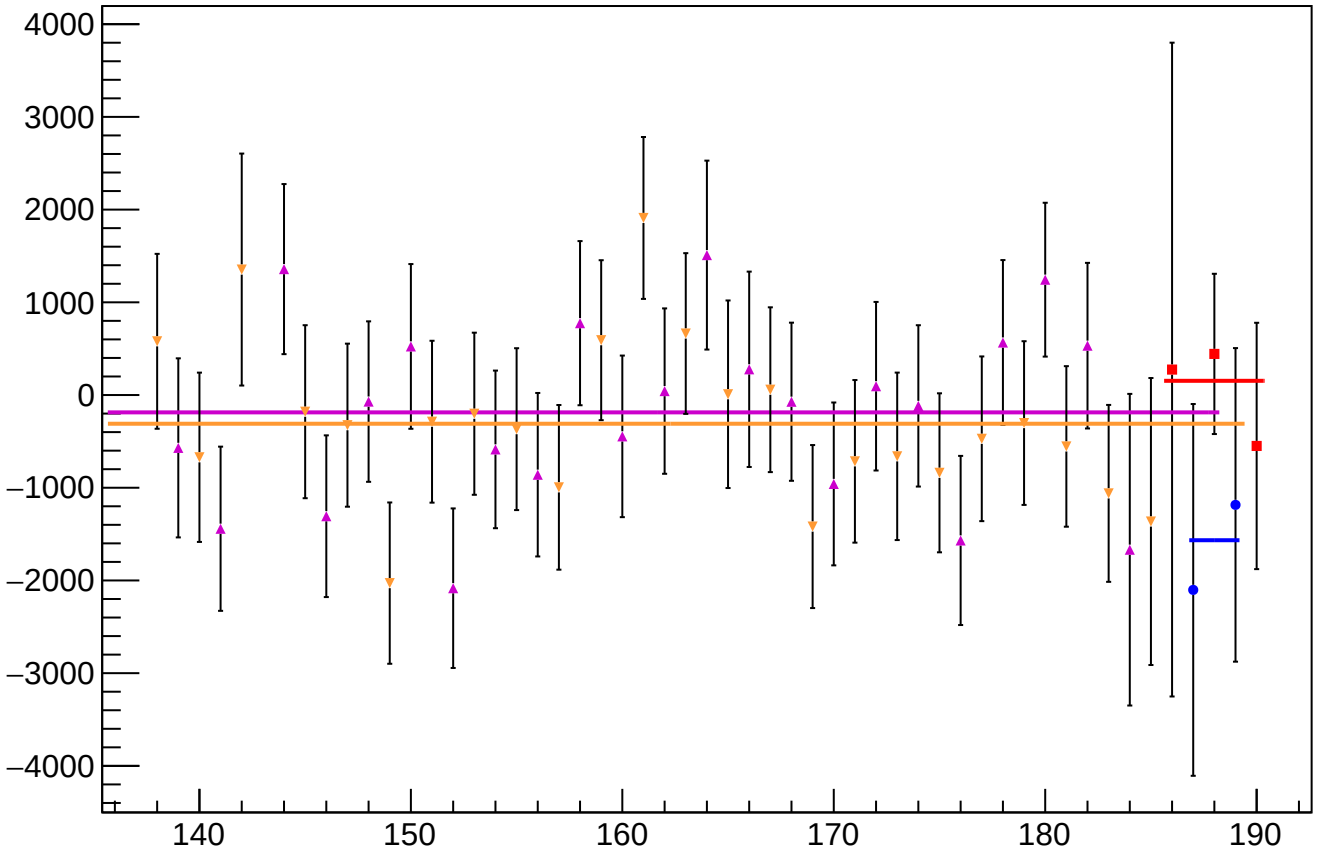
Left: 788.914+/-0.094 χ^2/NDF: 22367.7/46

Right: 844.207+/-0.443 χ^2/NDF: 313539.0/4

In: 788.918+/-0.133 χ^2/NDF:11068.4/24

Out: 793.541+/-0.128 χ^2/NDF:339118.2/26

All: 791.315+/-0.092 χ^2/NDF: 350812.6/51



Right In: -1566.105+/-1292.689 χ^2/NDF: 0.1/1

Left Out: -309.656+/-186.542 χ^2/NDF:20.0/23

Right Out: 153.360+/-709.634 χ^2/NDF: 0.4/2

Left In: -187.105+/-189.265 χ^2/NDF:25.6/22

Left: -249.268+/-132.858 χ^2/NDF: 45.8/46

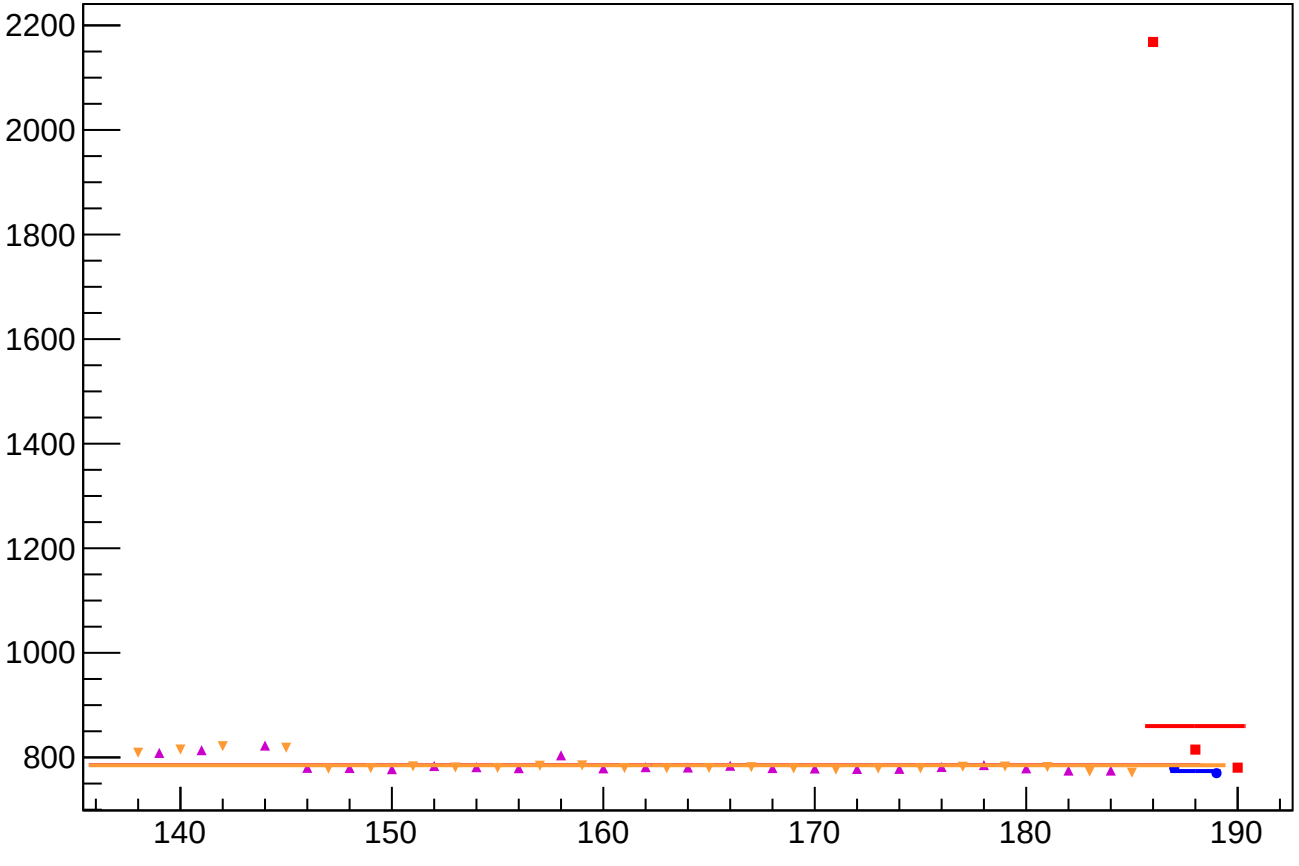
Right: -244.818+/-622.066 χ^2/NDF: 1.9/4

In: -216.045+/-187.269 χ^2/NDF:26.8/24

Out: -279.729+/-180.413 χ^2/NDF:20.8/26

All: -249.074+/-129.927 χ^2/NDF: 47.6/51

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.922+/-0.914 χ^2/NDF: 27.7/1

Left Out: 785.050+/-0.132 χ^2/NDF:9365.3/23

Right Out: 859.900+/-0.502 χ^2/NDF: 287948.2/2

Left In: 785.562+/-0.134 χ^2/NDF:9033.0/22

Left: 785.302+/-0.094 χ^2/NDF: 18405.7/46

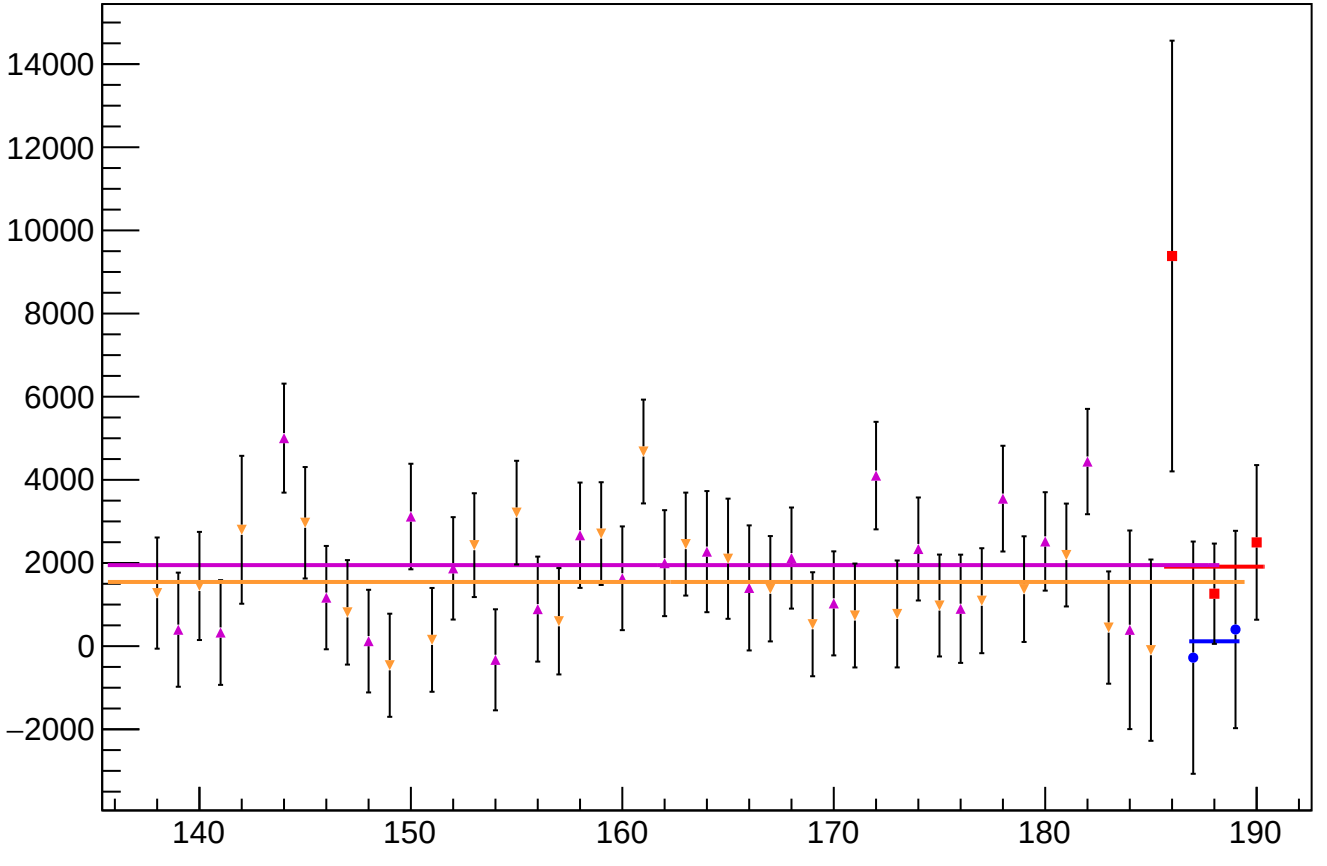
Right: 839.990+/-0.440 χ^2/NDF: 294774.5/4

In: 785.318+/-0.132 χ^2/NDF:9219.5/24

Out: 789.888+/-0.128 χ^2/NDF:318126.2/26

All: 787.688+/-0.092 χ^2/NDF: 327963.5/51

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 116.401+/-1808.672 χ^2/NDF: 0.0/1

Left Out: 1543.729+/-266.278 χ^2/NDF:19.9/23

Right Out: 1911.693+/-993.236 χ^2/NDF: 2.5/2

Left In: 1949.077+/-270.080 χ^2/NDF:26.8/22

Left: 1743.530+/-189.617 χ^2/NDF: 47.8/46

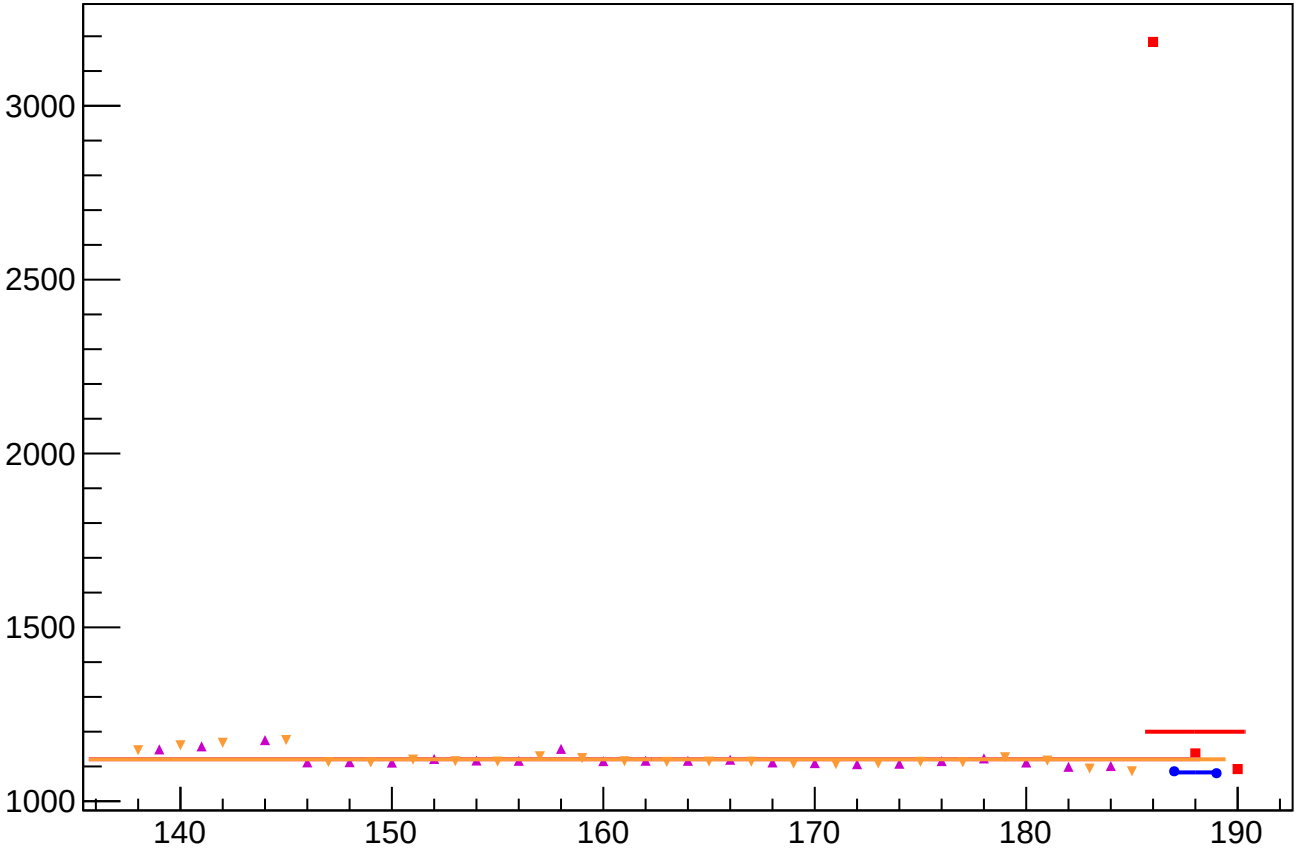
Right: 1495.731+/-870.601 χ^2/NDF: 3.3/4

In: 1909.103+/-267.118 χ^2/NDF:27.8/24

Out: 1568.402+/-257.196 χ^2/NDF:22.5/26

All: 1732.308+/-185.274 χ^2/NDF: 51.2/51

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1082.866+/-1.279 χ^2/NDF: 4.6/1

Left Out: 1120.578+/-0.188 χ^2/NDF:10264.0/23

Right Out: 1199.844+/-0.702 χ^2/NDF: 305356.1/2

Left In: 1120.977+/-0.191 χ^2/NDF:9259.6/22

Left: 1120.775+/-0.134 χ^2/NDF: 19525.9/46

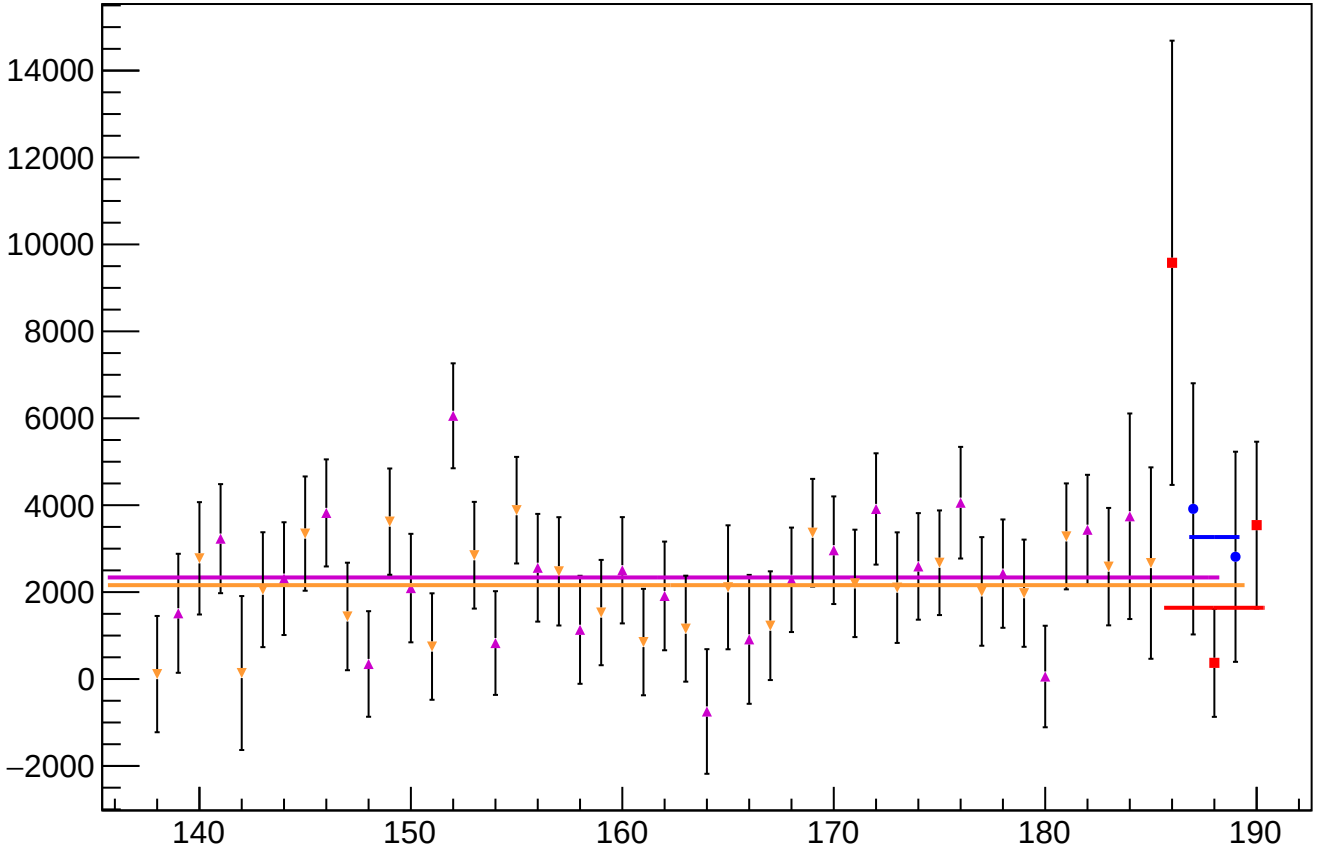
Right: 1172.741+/-0.616 χ^2/NDF: 311788.3/4

In: 1120.146+/-0.189 χ^2/NDF:10132.9/24

Out: 1125.893+/-0.182 χ^2/NDF:327503.8/26

All: 1123.129+/-0.131 χ^2/NDF: 338117.1/51

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 3266.922+/-1854.338 χ^2/NDF: 0.1/1

Left Out: 2159.879+/-257.526 χ^2/NDF:15.0/24

Right Out: 1639.449+/-1022.123 χ^2/NDF: 4.4/2

Left In: 2337.232+/-266.468 χ^2/NDF:31.3/22

Left: 2245.530+/-185.179 χ^2/NDF: 46.5/47

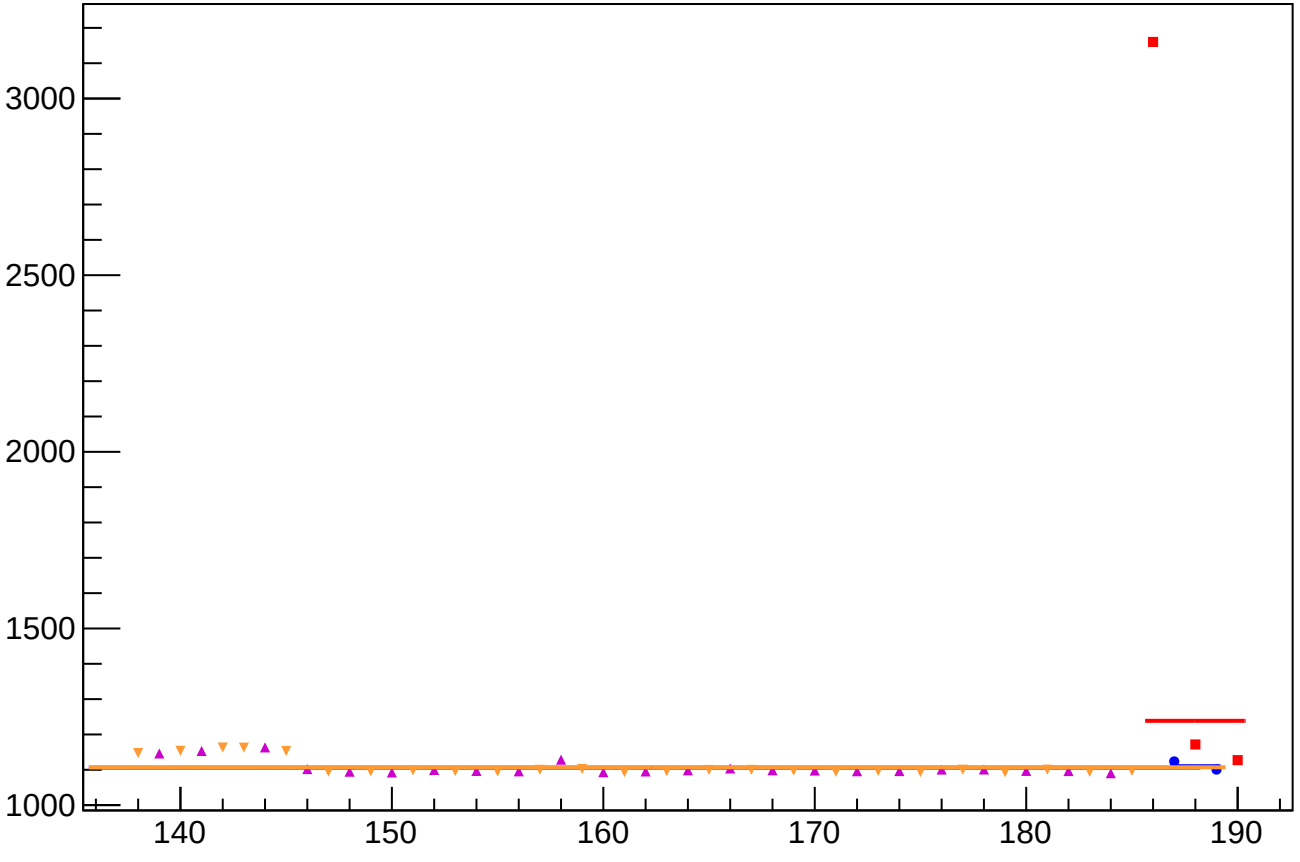
Right: 2018.696+/-895.144 χ^2/NDF: 5.1/4

In: 2356.041+/-263.759 χ^2/NDF:31.6/24

Out: 2128.815+/-249.722 χ^2/NDF:19.6/27

All: 2236.221+/-181.339 χ^2/NDF: 51.7/52

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1110.109+/-1.311 χ^2/NDF: 75.3/1

Left Out: 1107.091+/-0.182 χ^2/NDF:15185.2/24

Right Out: 1238.637+/-0.723 χ^2/NDF: 295245.1/2

Left In: 1105.955+/-0.188 χ^2/NDF:11111.3/22

Left: 1106.543+/-0.131 χ^2/NDF: 26315.2/47

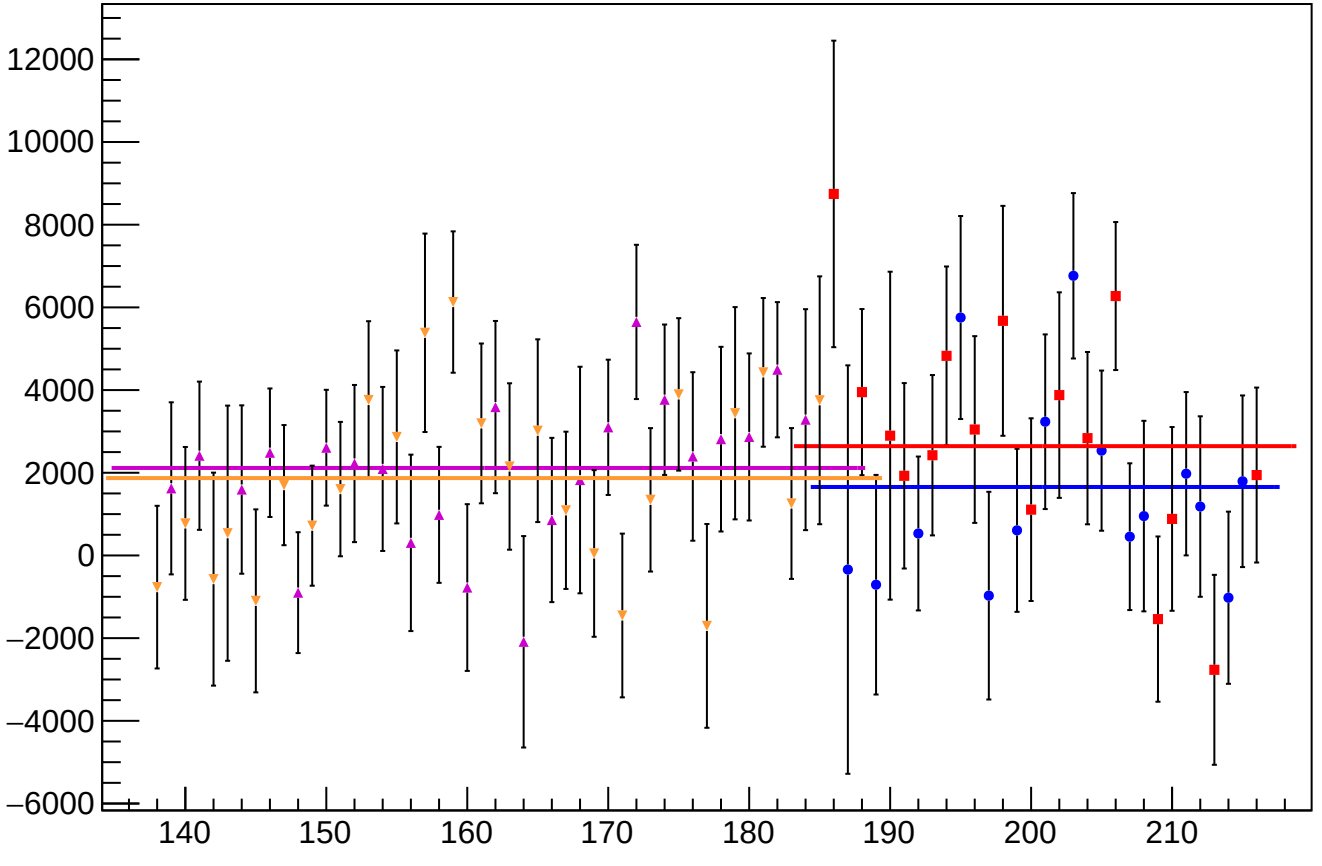
Right: 1208.687+/-0.633 χ^2/NDF: 302689.7/4

In: 1106.039+/-0.187 χ^2/NDF:11196.4/24

Out: 1114.943+/-0.177 χ^2/NDF:341579.9/27

All: 1110.735+/-0.128 χ^2/NDF: 353978.0/52

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 1656.064+/-556.556 χ^2/NDF: 15.1/14

Left Out: 1871.638+/-391.684 χ^2/NDF:26.1/24

Right Out: 2643.450+/-562.249 χ^2/NDF: 21.0/15

Left In: 2116.114+/-392.997 χ^2/NDF:18.8/22

Left: 1993.467+/-277.425 χ^2/NDF: 45.1/47

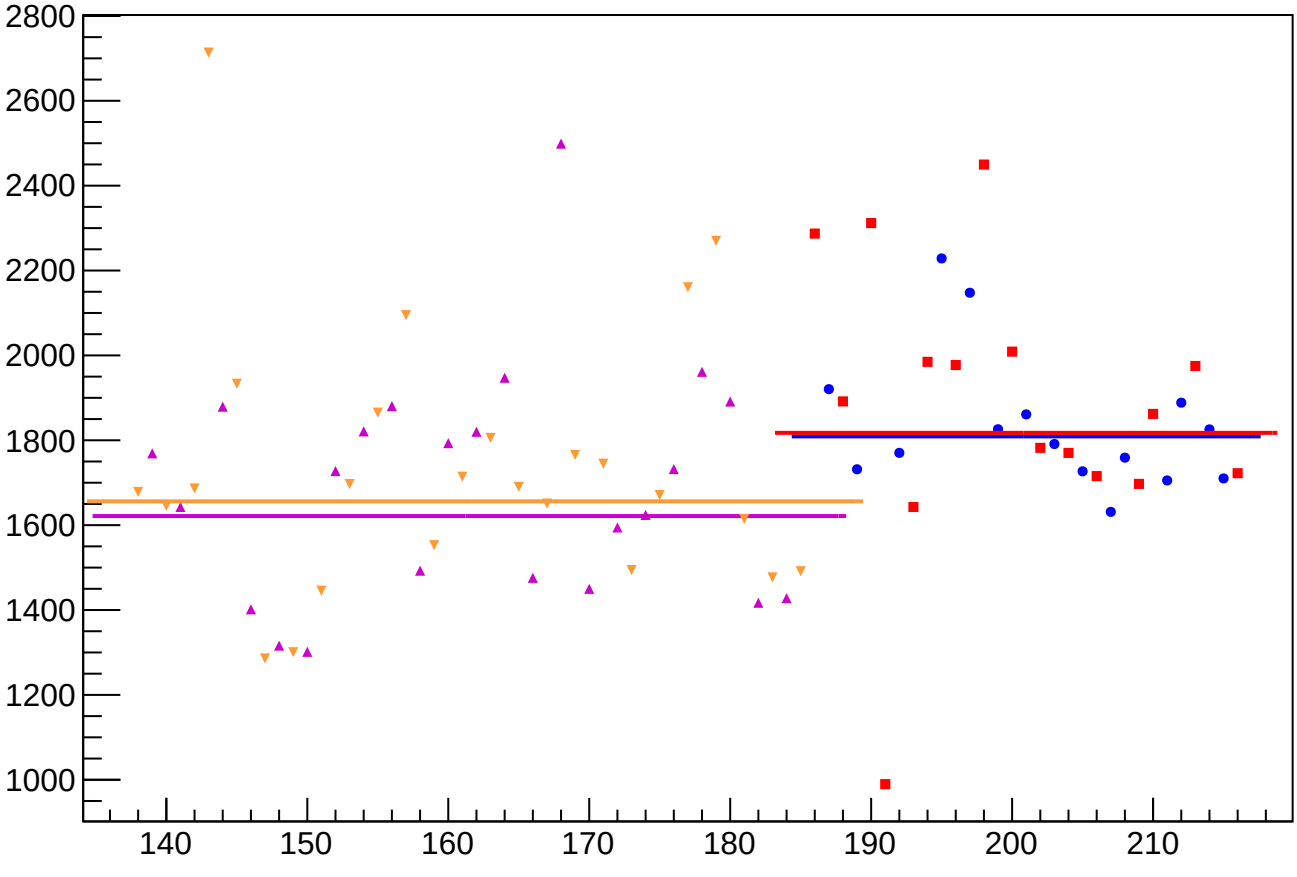
Right: 2144.732+/-395.542 χ^2/NDF: 37.6/30

In: 1963.049+/-321.029 χ^2/NDF:34.3/37

Out: 2123.817+/-321.387 χ^2/NDF:48.4/40

All: 2043.343+/-227.128 χ^2/NDF: 82.8/78

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1809.190+/-0.394 χ^2/NDF: 137274.9/14

Left Out: 1656.119+/-0.277 χ^2/NDF:910573.4/24

Right Out: 1817.549+/-0.398 χ^2/NDF: 524489.1/15

Left In: 1621.417+/-0.278 χ^2/NDF:775310.1/22

Left: 1638.826+/-0.196 χ^2/NDF: 1693706.9/47

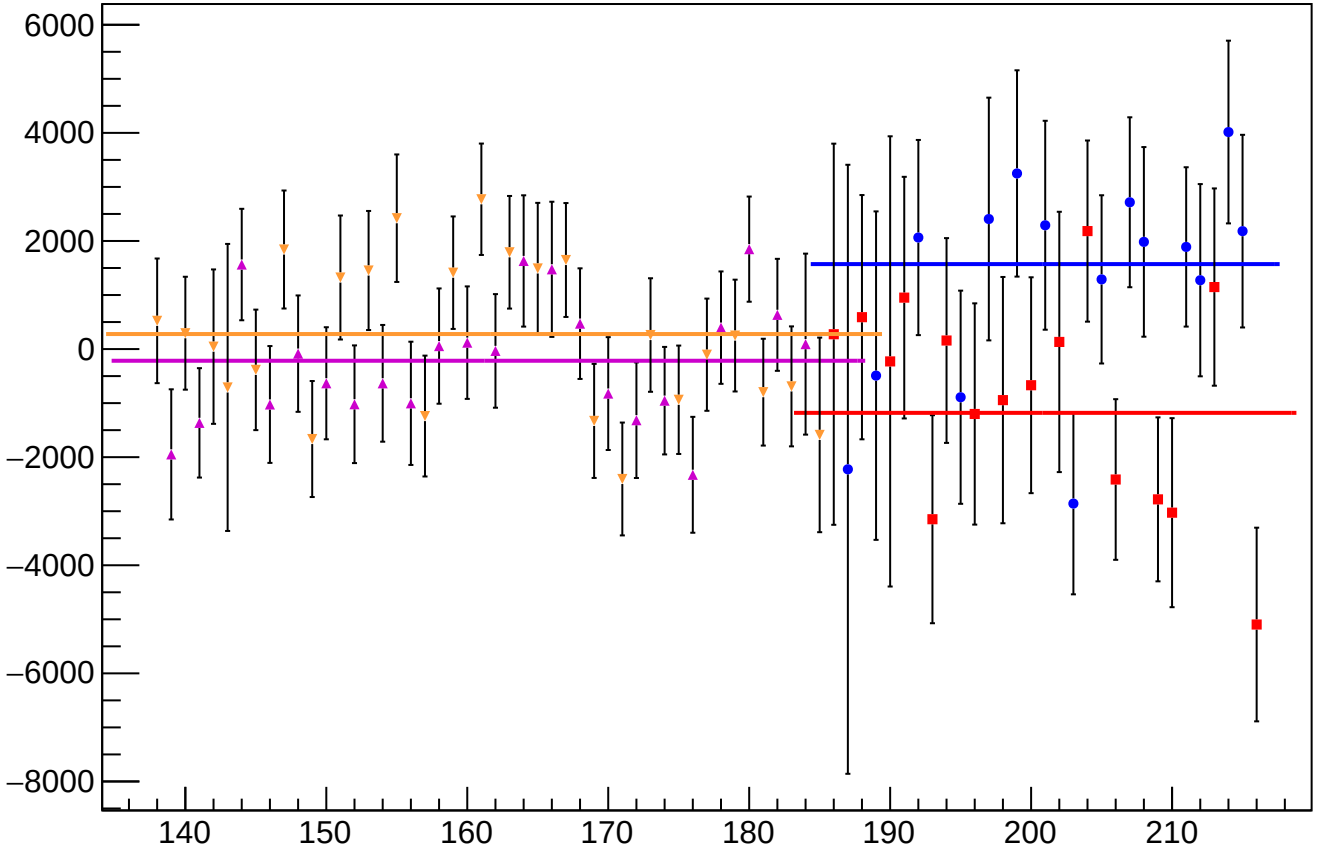
Right: 1813.327+/-0.280 χ^2/NDF: 661987.2/30

In: 1683.892+/-0.227 χ^2/NDF:1064497.0/37

Out: 1708.864+/-0.227 χ^2/NDF:1546062.9/40

All: 1696.364+/-0.161 χ^2/NDF: 2616604.3/78

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1572.139+/-477.688 χ^2/NDF: 13.5/14

Left Out: 278.090+/-223.581 χ^2/NDF:38.4/24

Right Out: -1180.101+/-492.699 χ^2/NDF: 17.0/15

Left In: -216.121+/-225.600 χ^2/NDF:24.4/22

Left: 33.207+/-158.805 χ^2/NDF: 65.2/47

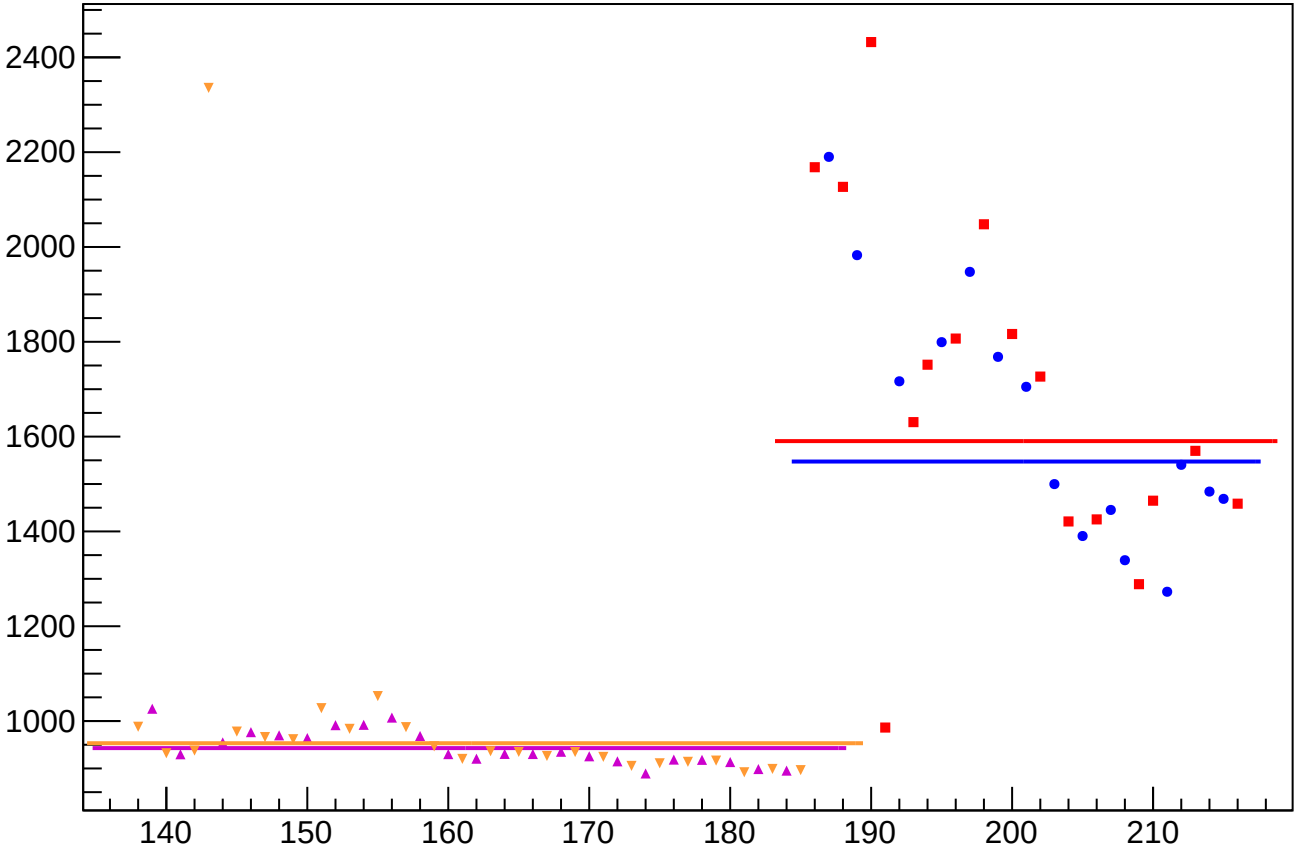
Right: 238.584+/-342.961 χ^2/NDF: 46.6/30

In: 110.000+/-203.995 χ^2/NDF:49.3/37

Out: 29.090+/-203.599 χ^2/NDF:62.7/40

All: 69.466+/-144.106 χ^2/NDF: 112.1/78

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1547.422+/-0.338 χ^2/NDF: 355594.1/14

Left Out: 953.221+/-0.158 χ^2/NDF:606273.1/24

Right Out: 1590.510+/-0.348 χ^2/NDF: 690212.5/15

Left In: 942.927+/-0.160 χ^2/NDF:48402.9/22

Left: 948.120+/-0.112 χ^2/NDF: 656777.0/47

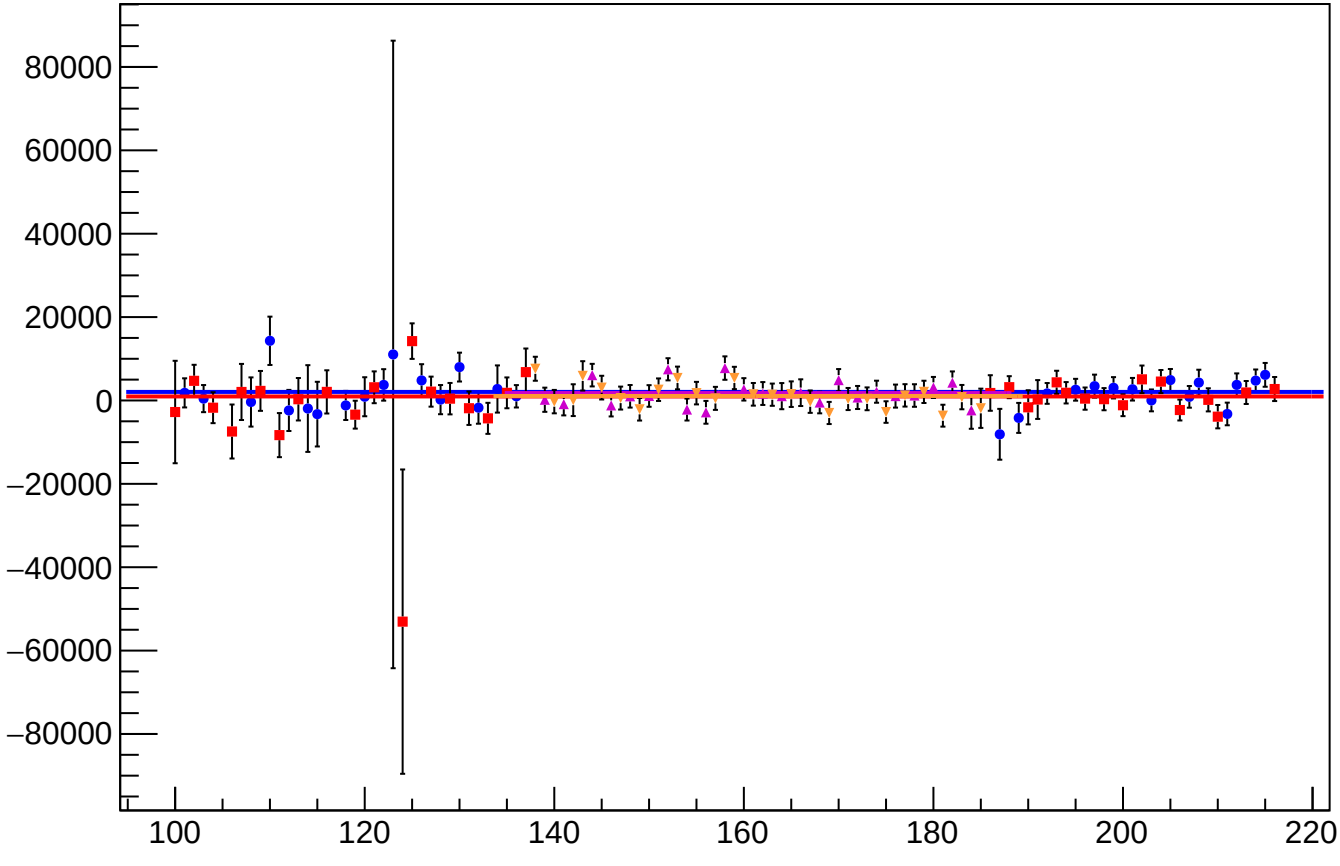
Right: 1568.299+/-0.243 χ^2/NDF: 1053691.3/30

In: 1053.167+/-0.144 χ^2/NDF:3022690.7/37

Out: 1062.044+/-0.144 χ^2/NDF:4071207.4/40

All: 1057.614+/-0.102 χ^2/NDF: 7095795.5/78

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2051.539+/-590.229 χ^2/NDF: 28.4/31

Left Out: 1078.054+/-564.005 χ^2/NDF:23.6/24

Right Out: 962.473+/-592.015 χ^2/NDF: 36.2/34

Left In: 1777.100+/-575.895 χ^2/NDF:24.1/22

Left: 1420.287+/-402.950 χ^2/NDF: 48.4/47

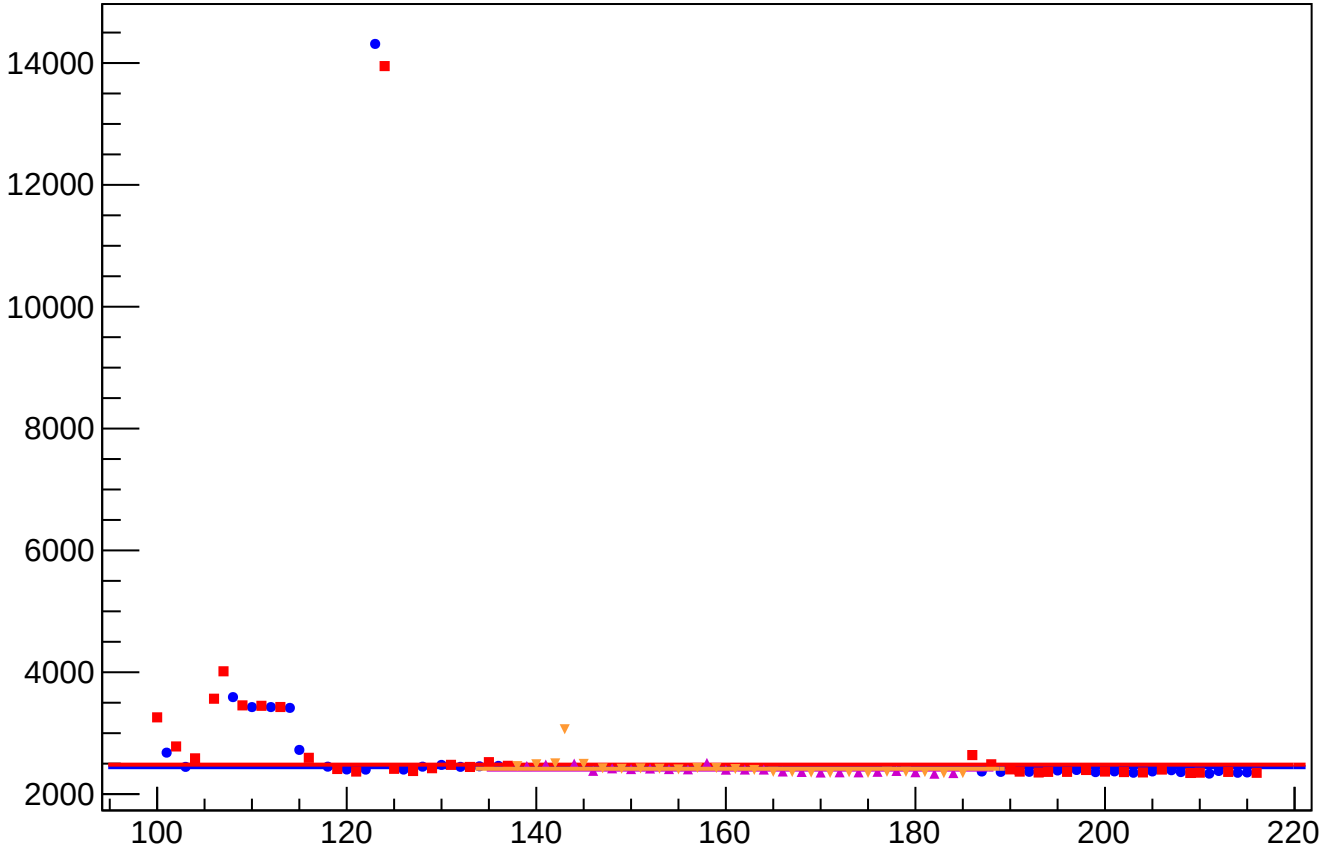
Right: 1508.651+/-417.985 χ^2/NDF: 66.2/66

In: 1910.947+/-412.194 χ^2/NDF:52.5/54

Out: 1023.063+/-408.355 χ^2/NDF:59.8/59

All: 1462.851+/-290.098 χ^2/NDF: 114.6/114

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.617+/-0.417 χ^2/NDF: 316236.6/31

Left Out: 2416.019+/-0.399 χ^2/NDF:82636.1/24

Right Out: 2483.747+/-0.419 χ^2/NDF: 653170.0/34

Left In: 2401.422+/-0.407 χ^2/NDF:13747.6/22

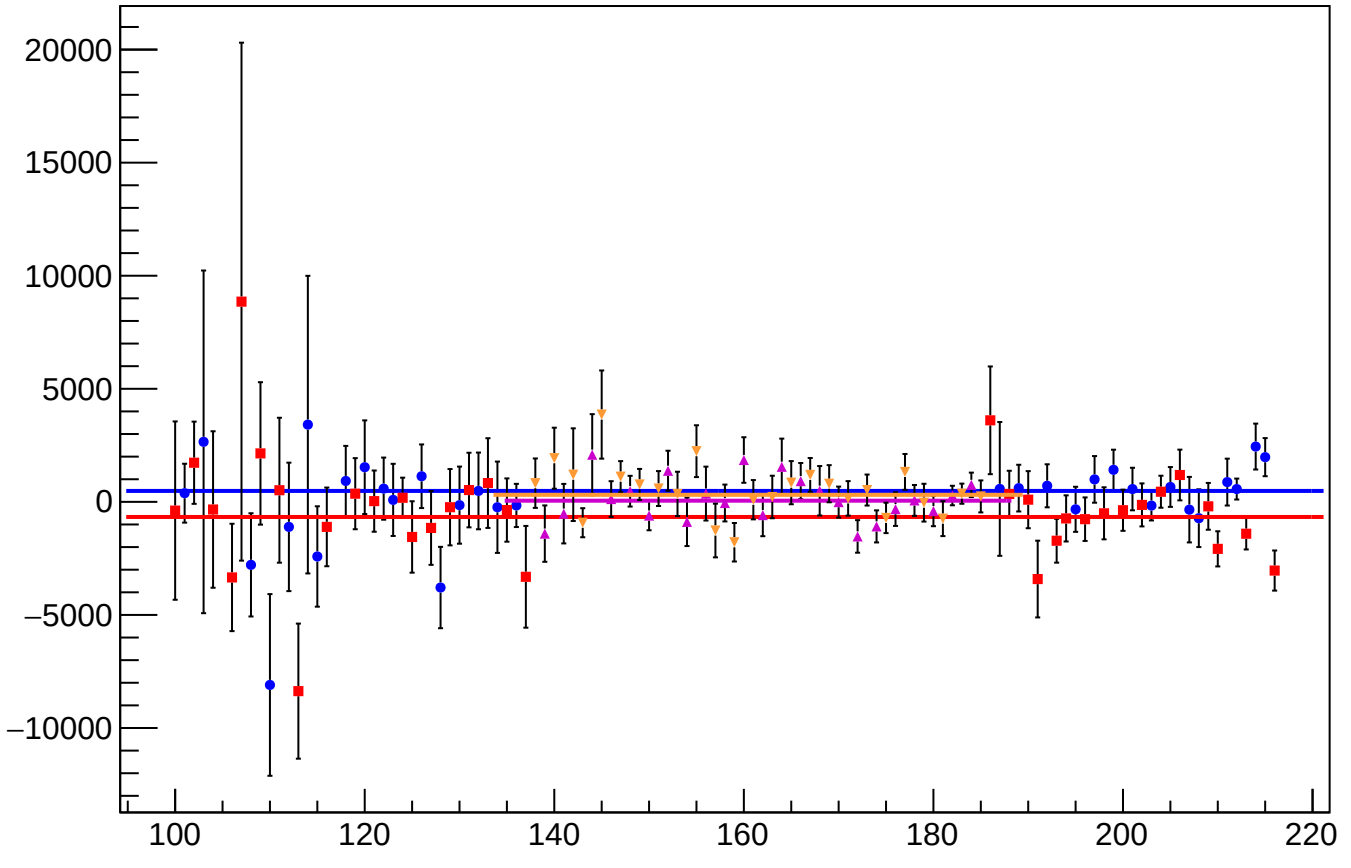
Left: 2408.873+/-0.285 χ^2/NDF: 97039.6/47

Right: 2462.618+/-0.296 χ^2/NDF: 974486.3/66

In: 2421.025+/-0.291 χ^2/NDF:334735.9/54

Out: 2448.243+/-0.289 χ^2/NDF:749527.7/59

All: 2434.761+/-0.205 χ^2/NDF: 1088664.7/11



Right In: 483.507+/-200.837 χ^2/NDF: 27.3/31

Left Out: 310.873+/-160.650 χ^2/NDF:29.7/24

Right Out: -668.129+/-208.803 χ^2/NDF: 41.8/34

Left In: 51.454+/-161.744 χ^2/NDF:23.8/22

Left: 182.044+/-113.982 χ^2/NDF: 54.9/47

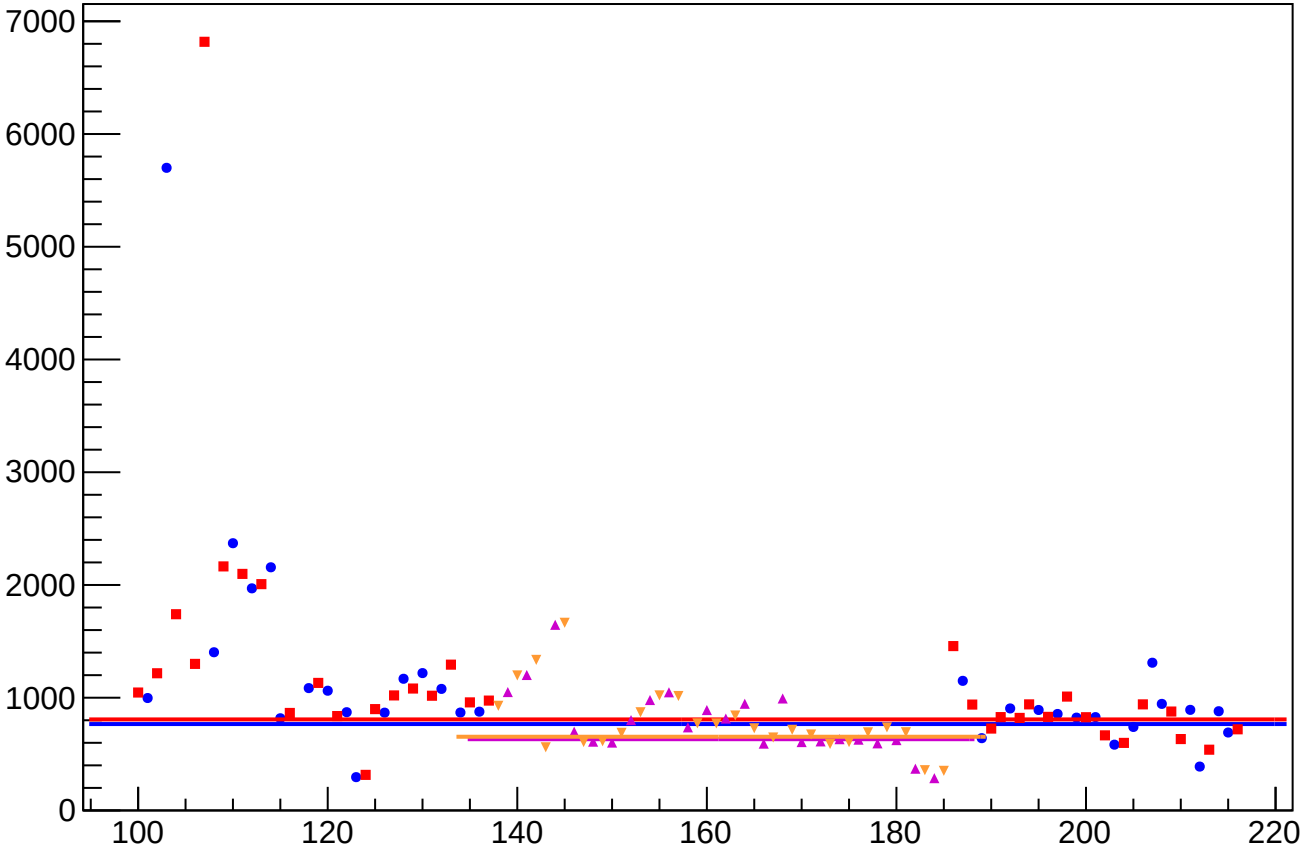
Right: -69.926+/-144.748 χ^2/NDF: 84.8/66

In: 221.432+/-125.972 χ^2/NDF:53.9/54

Out: -53.161+/-127.326 χ^2/NDF:85.3/59

All: 85.603+/-89.550 χ^2/NDF: 141.6/114

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 766.349+/-0.142 χ^2/NDF: 4539781.5/31

Left Out: 653.803+/-0.114 χ^2/NDF:3254694.4/24

Right Out: 807.509+/-0.148 χ^2/NDF: 3851651.8/34

Left In: 632.053+/-0.114 χ^2/NDF:3942853.4/22

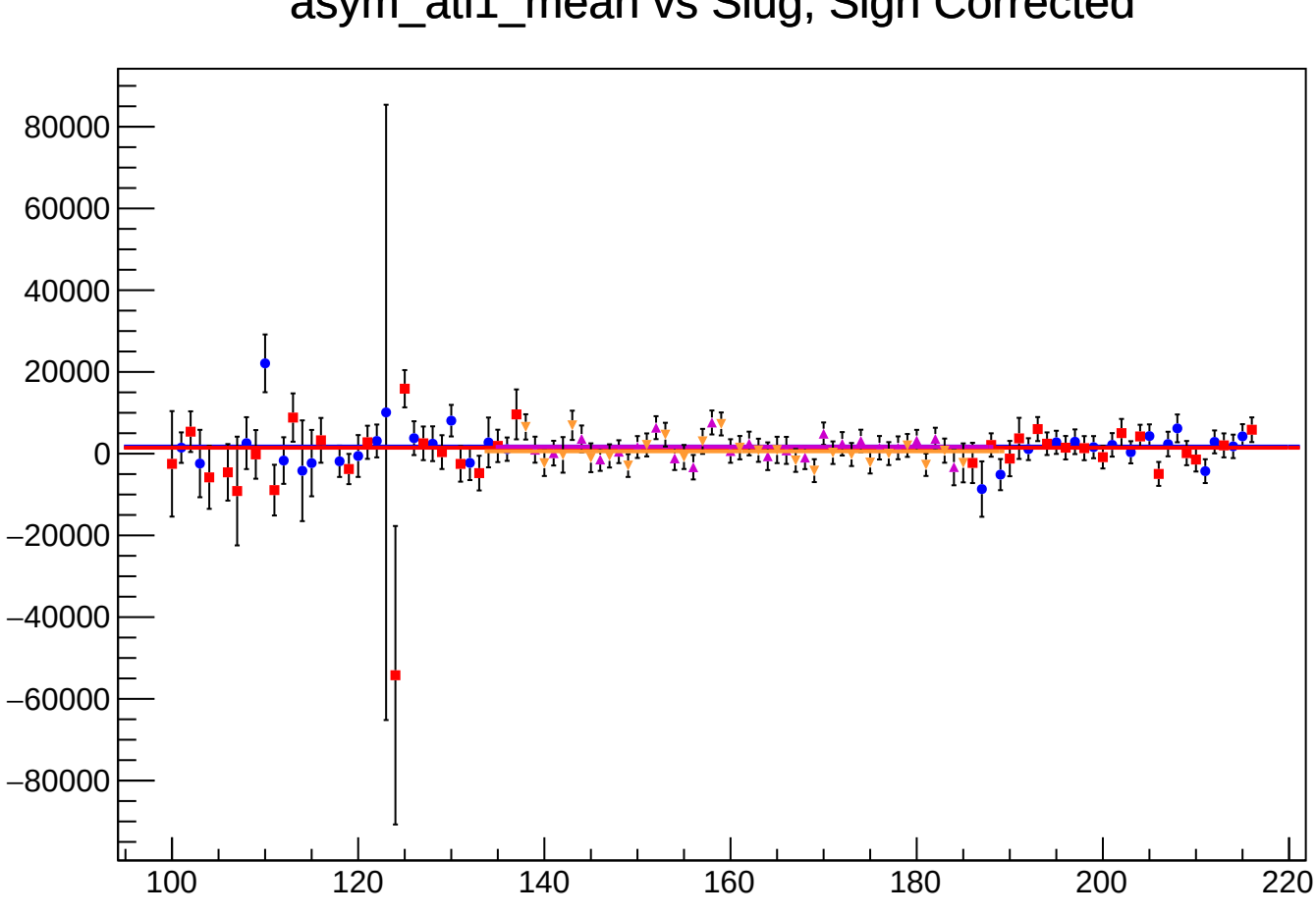
Left: 643.002+/-0.081 χ^2/NDF: 7215752.9/47

Right: 786.129+/-0.102 χ^2/NDF: 8431801.9/66

In: 684.887+/-0.089 χ^2/NDF:9025078.0/54

Out: 710.957+/-0.090 χ^2/NDF:7787128.7/59

All: 697.783+/-0.063 χ^2/NDF: 16854576.2/11



Right In: 1736.398+/-646.295 χ^2/NDF: 28.5/31

Left Out: 580.879+/-597.173 χ^2/NDF:25.3/24

Right Out: 1450.049+/-652.017 χ^2/NDF: 41.4/34

Left In: 1679.572+/-610.111 χ^2/NDF:18.2/22

Left: 1118.453+/-426.766 χ^2/NDF: 45.2/47

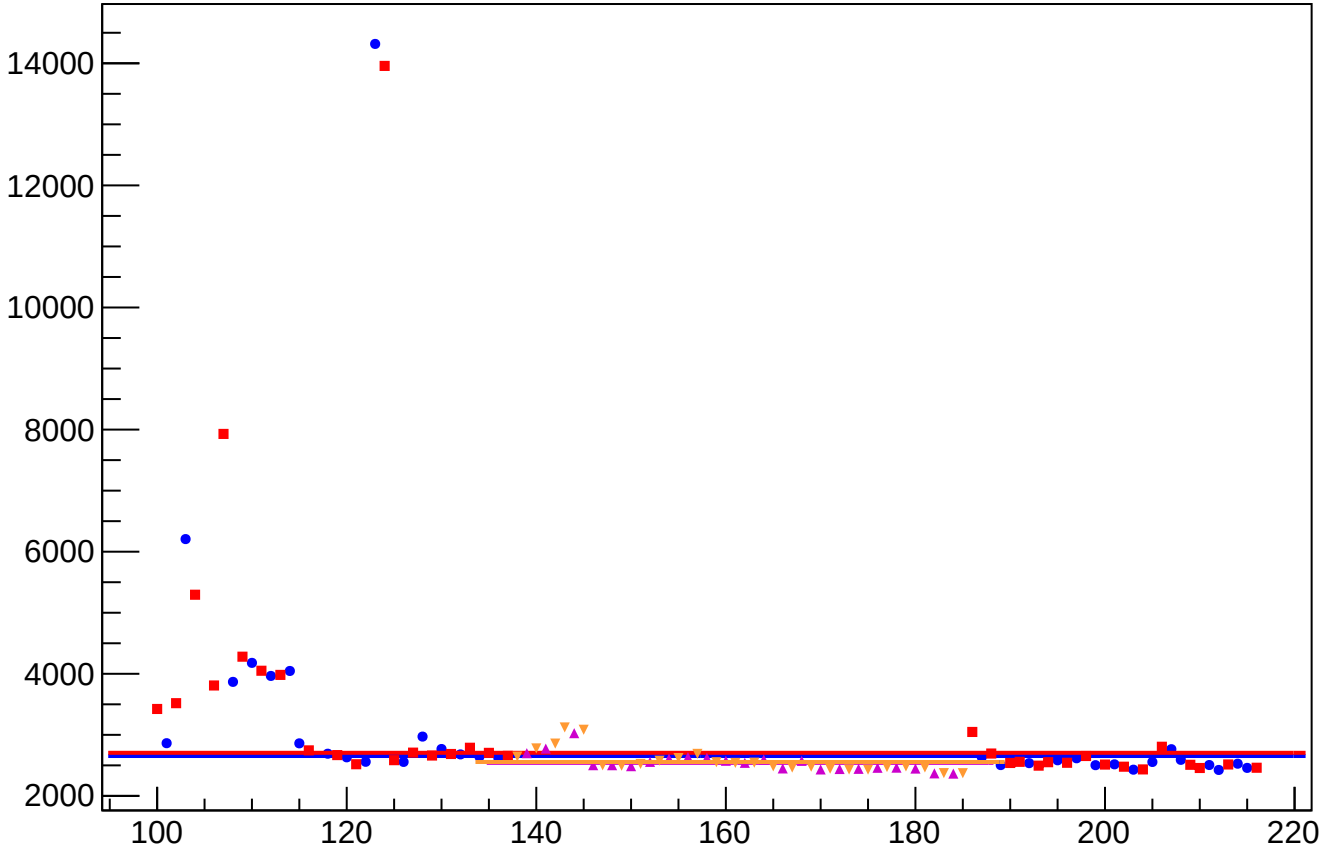
Right: 1594.486+/-459.009 χ^2/NDF: 70.0/66

In: 1706.350+/-443.654 χ^2/NDF:46.7/54

Out: 977.378+/-440.380 χ^2/NDF:67.7/59

All: 1339.164+/-312.547 χ^2/NDF: 115.8/114

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2653.254+/-0.457 χ^2/NDF: 809361.6/31

Left Out: 2555.279+/-0.422 χ^2/NDF:154743.6/24

Right Out: 2705.944+/-0.461 χ^2/NDF: 1289756.6/34

Left In: 2540.988+/-0.431 χ^2/NDF:94756.7/22

Left: 2548.287+/-0.302 χ^2/NDF: 250060.8/47

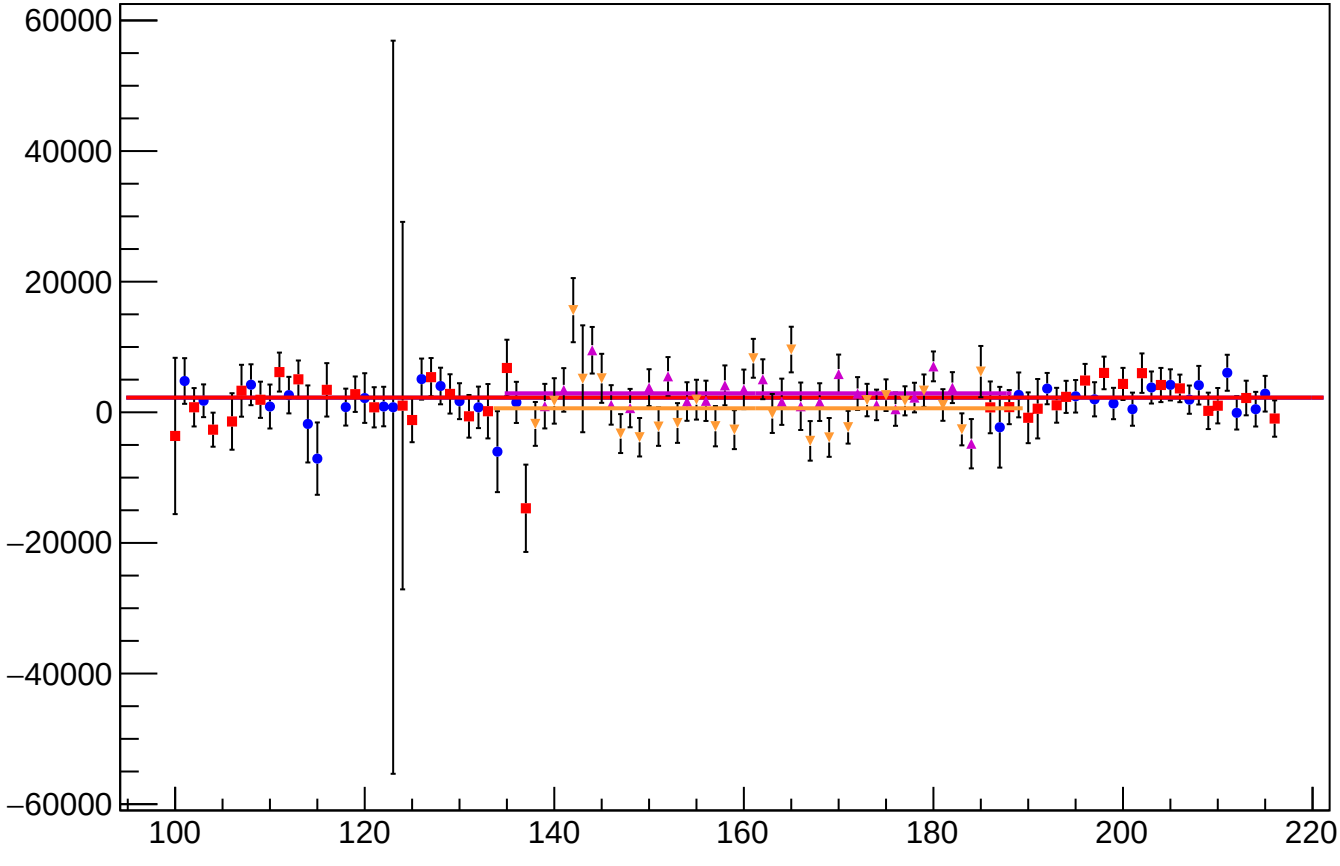
Right: 2679.367+/-0.325 χ^2/NDF: 2105706.4/66

In: 2593.890+/-0.314 χ^2/NDF:936028.9/54

Out: 2624.010+/-0.311 χ^2/NDF:1502575.6/59

All: 2609.061+/-0.221 χ^2/NDF: 2443247.7/11

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2235.677+/-522.504 χ^2/NDF: 14.5/31

Left Out: 614.867+/-591.148 χ^2/NDF:45.2/24

Right Out: 2257.490+/-518.564 χ^2/NDF: 28.7/34

Left In: 2909.108+/-599.673 χ^2/NDF:17.4/22

Left: 1745.562+/-420.986 χ^2/NDF: 70.0/47

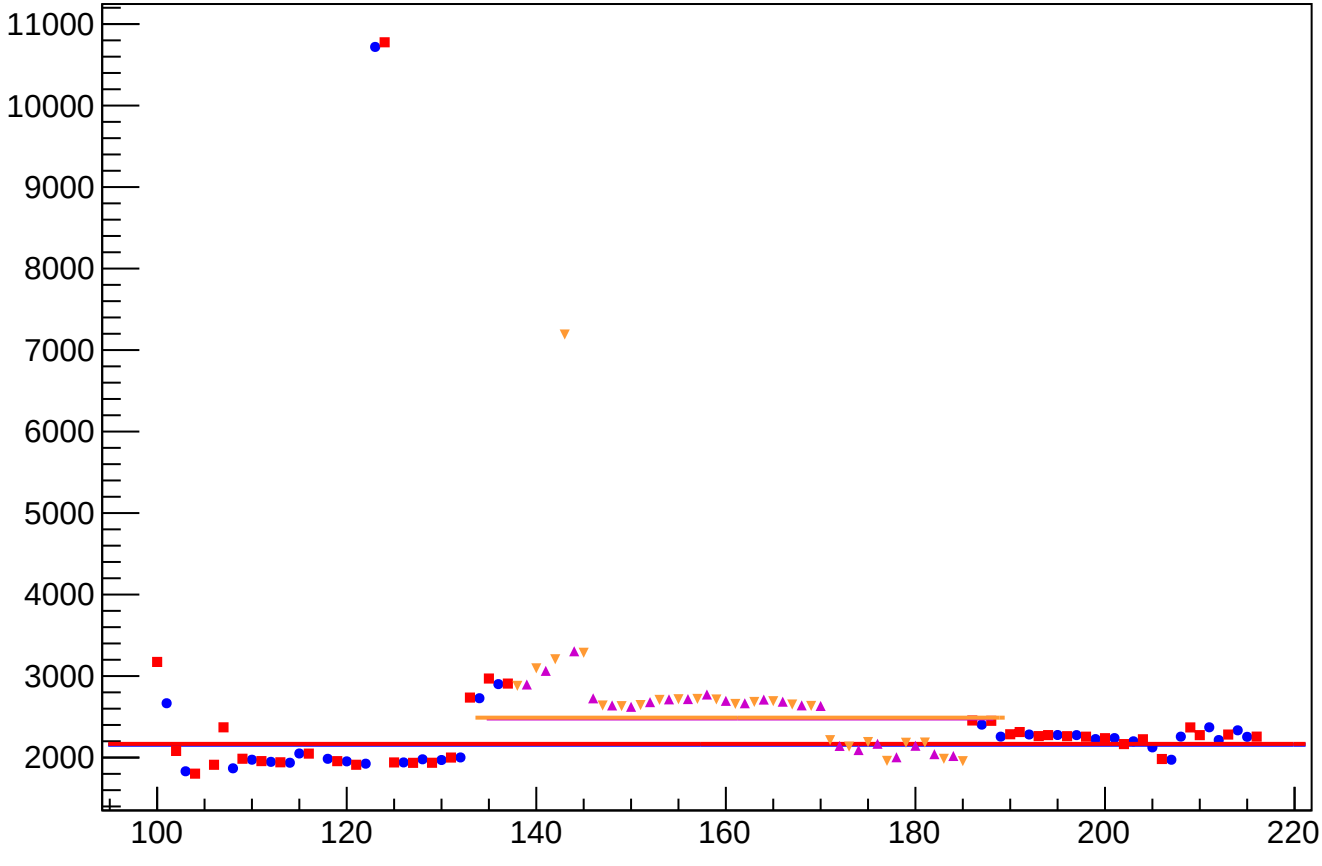
Right: 2246.666+/-368.065 χ^2/NDF: 43.2/66

In: 2526.300+/-393.943 χ^2/NDF:32.6/54

Out: 1543.161+/-389.831 χ^2/NDF:78.2/59

All: 2029.573+/-277.094 χ^2/NDF: 114.0/114

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2157.463+/-0.369 χ^2/NDF: 410815.5/31

Left Out: 2489.577+/-0.418 χ^2/NDF:1364203.3/24

Right Out: 2167.986+/-0.367 χ^2/NDF: 569343.1/34

Left In: 2479.348+/-0.424 χ^2/NDF:668398.2/22

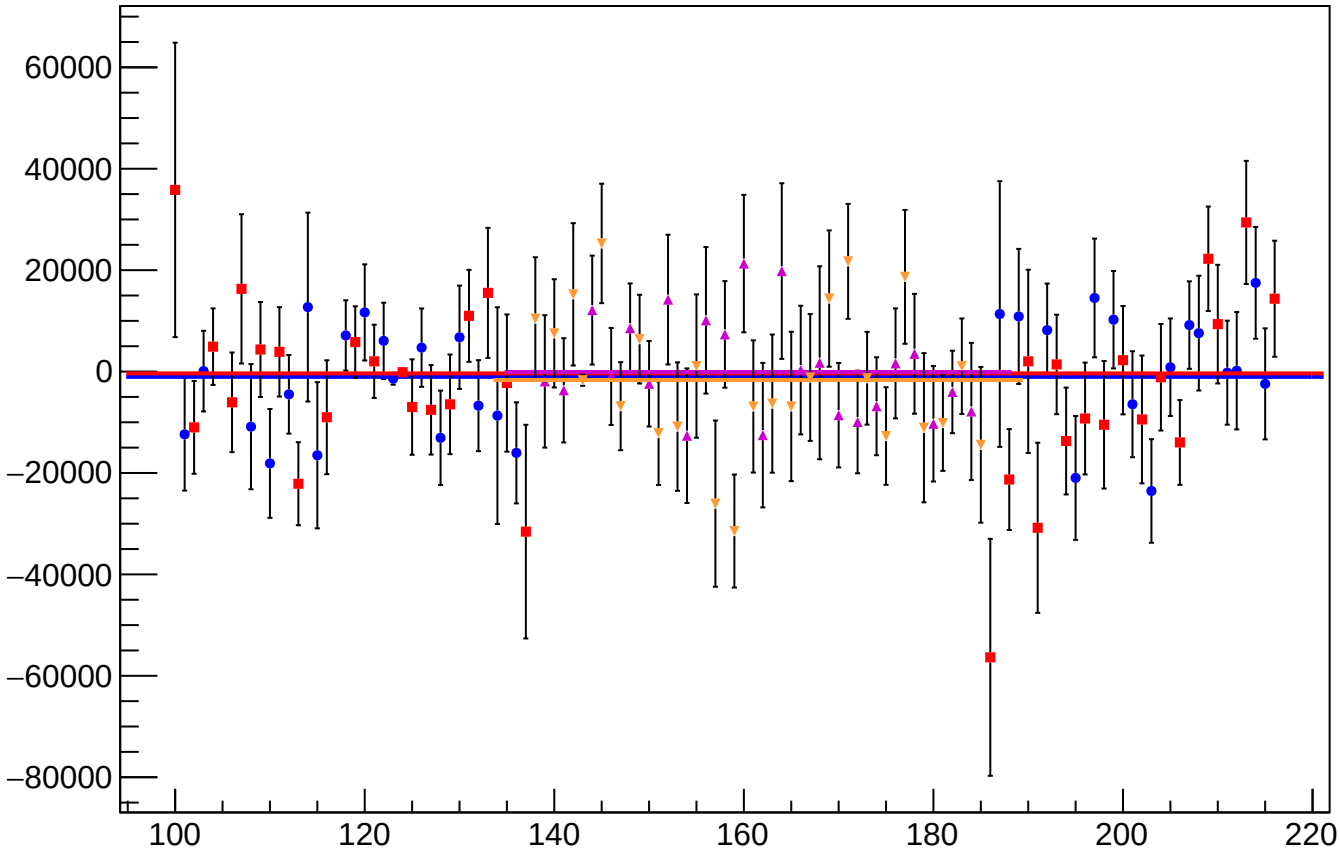
Left: 2484.536+/-0.298 χ^2/NDF: 2032896.6/47

Right: 2162.764+/-0.260 χ^2/NDF: 980567.3/66

In: 2296.374+/-0.279 χ^2/NDF:1406775.0/54

Out: 2307.836+/-0.276 χ^2/NDF:2268045.2/59

All: 2302.165+/-0.196 χ^2/NDF: 3675675.5/11



Right In: -1039.418+/-986.707 χ^2/NDF: 33.7/31

Left Out: -1665.417+/-993.060 χ^2/NDF:32.4/24

Right Out: -360.962+/-675.684 χ^2/NDF: 53.8/34

Left In: -80.274+/-2331.531 χ^2/NDF:13.8/22

Left: -1422.008+/-913.639 χ^2/NDF: 46.6/47

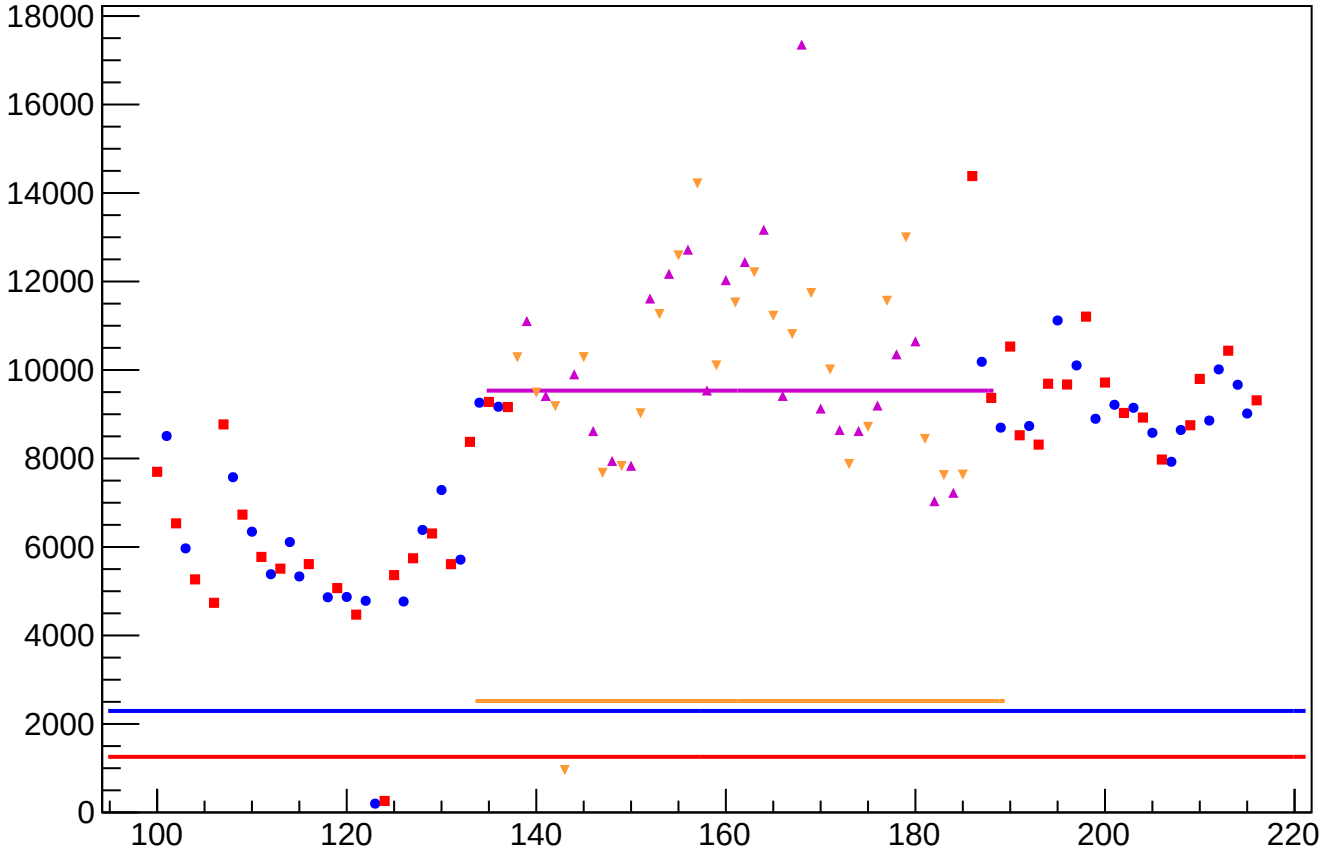
Right: -577.548+/-557.497 χ^2/NDF: 87.9/66

In: -893.729+/-908.684 χ^2/NDF:47.7/54

Out: -773.758+/-558.636 χ^2/NDF:87.4/59

All: -806.664+/-475.896 χ^2/NDF: 135.1/114

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 2294.236+/-0.698 χ^2/NDF: 23685988.1/31

Left Out: 2519.359+/-0.702 χ^2/NDF:23642118.3/24

Right Out: 1257.052+/-0.478 χ^2/NDF: 28574316.9/34

Left In: 9533.563+/-1.649 χ^2/NDF:1316640.0/22

Left: 3596.432+/-0.646 χ^2/NDF: 40280305.8/47

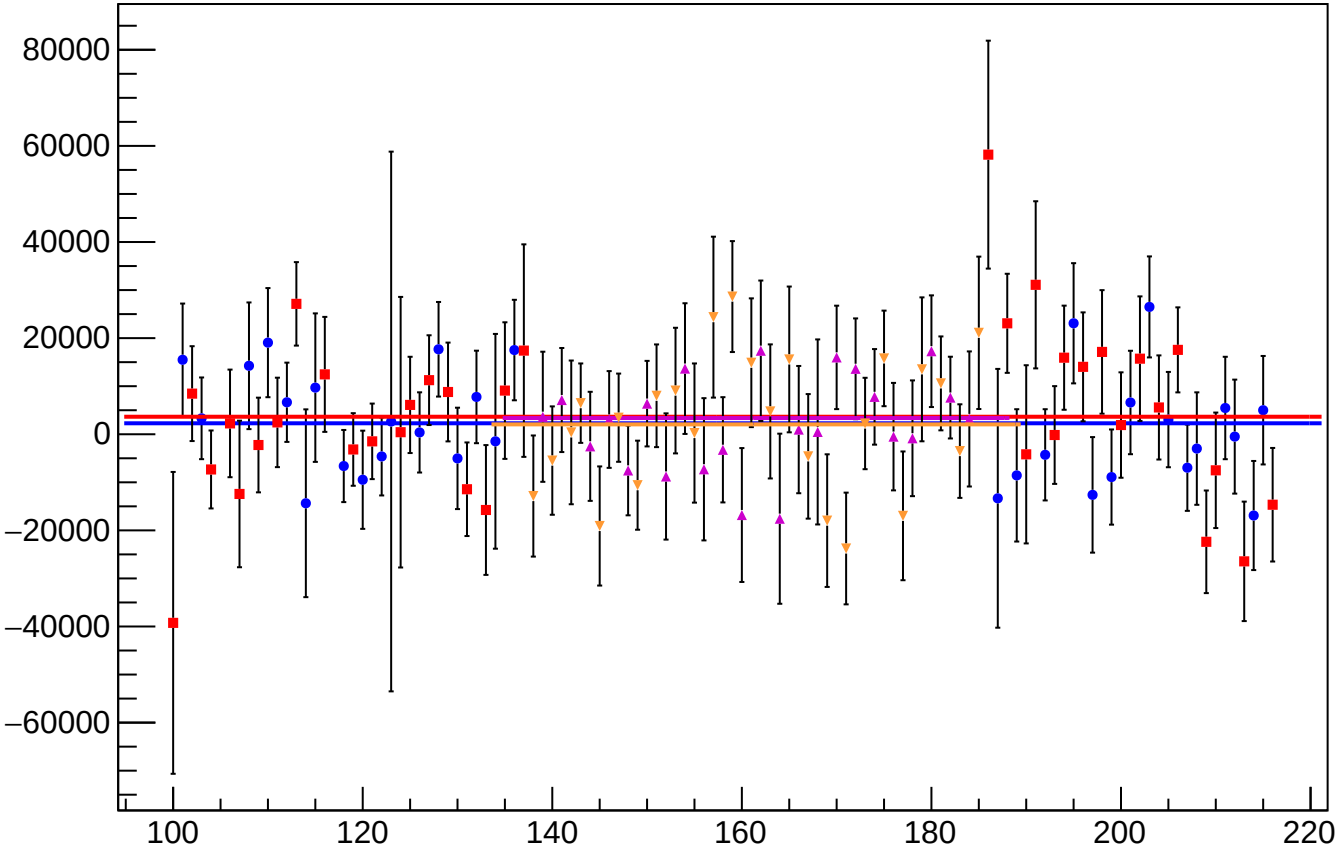
Right: 1588.156+/-0.394 χ^2/NDF: 53764705.1/66

In: 3393.854+/-0.643 χ^2/NDF:41355483.1/54

Out: 1656.510+/-0.395 χ^2/NDF:54425349.8/59

All: 2133.033+/-0.337 χ^2/NDF: 101086538.6

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2282.588+/-1906.944 χ^2/NDF: 31.3/31

Left Out: 2055.950+/-2333.494 χ^2/NDF:30.7/24

Right Out: 3644.917+/-1876.072 χ^2/NDF: 53.9/34

Left In: 3371.931+/-2423.242 χ^2/NDF:13.1/22

Left: 2689.120+/-1680.862 χ^2/NDF: 44.0/47

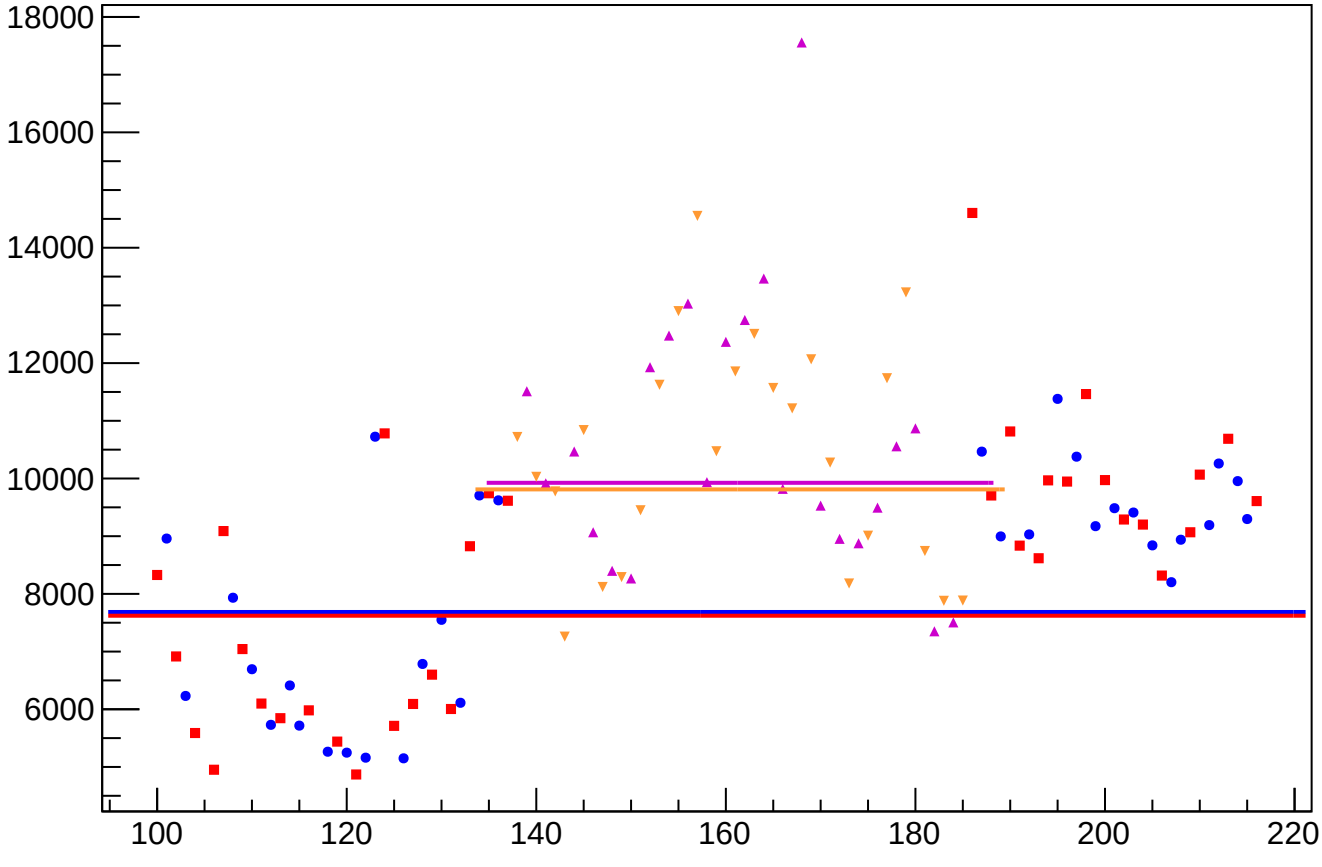
Right: 2974.869+/-1337.364 χ^2/NDF: 85.4/66

In: 2699.195+/-1498.573 χ^2/NDF:44.5/54

Out: 3021.080+/-1462.126 χ^2/NDF:84.9/59

All: 2864.099+/-1046.527 χ^2/NDF: 129.4/114

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7686.204+/-1.348 χ^2/NDF: 1934412.3/31

Left Out: 9811.053+/-1.650 χ^2/NDF:1213831.0/24

Right Out: 7621.401+/-1.327 χ^2/NDF: 2344363.7/34

Left In: 9925.337+/-1.713 χ^2/NDF:1211554.7/22

Left: 9866.039+/-1.189 χ^2/NDF: 2427693.8/47

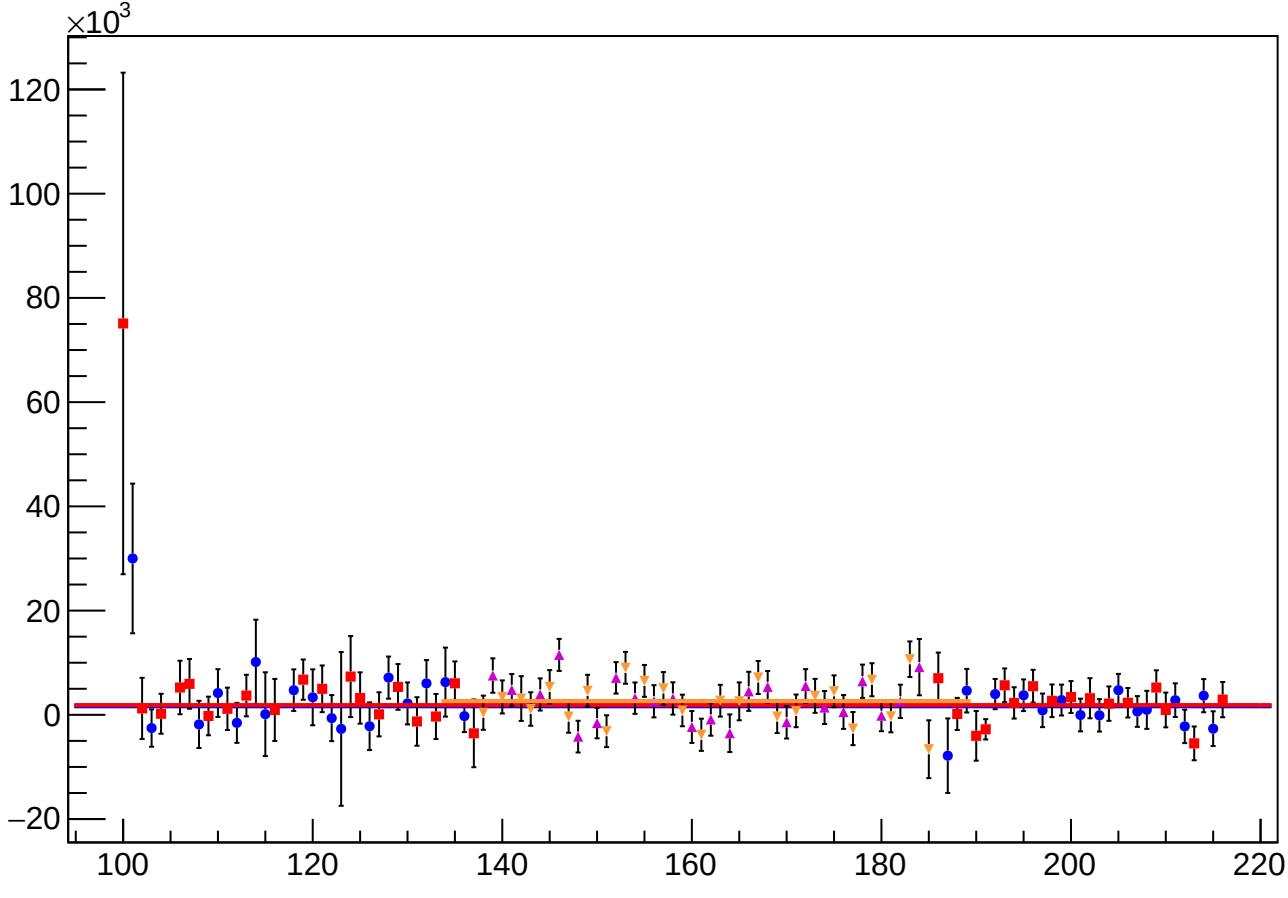
Right: 7653.273+/-0.946 χ^2/NDF: 4279949.8/66

In: 8542.508+/-1.060 χ^2/NDF:4200559.8/54

Out: 8481.013+/-1.034 χ^2/NDF:4627880.4/59

All: 8511.003+/-0.740 χ^2/NDF: 8830165.7/11

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1635.986+/-678.155 χ^2/NDF: 22.4/31

Left Out: 2635.833+/-646.121 χ^2/NDF:35.1/24

Right Out: 1876.489+/-634.407 χ^2/NDF: 28.3/34

Left In: 2638.607+/-664.569 χ^2/NDF:35.2/22

Left: 2637.181+/-463.261 χ^2/NDF: 70.3/47

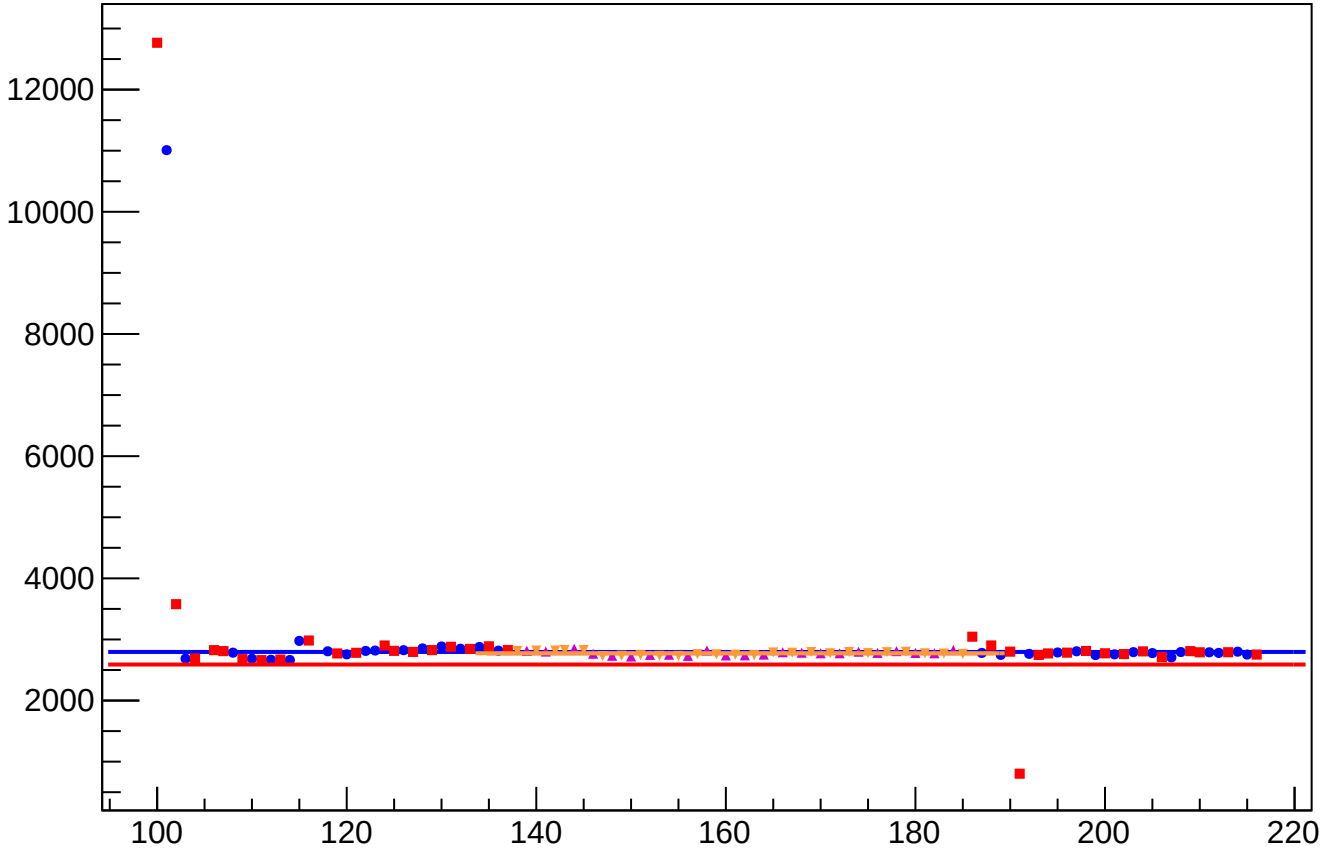
Right: 1764.245+/-463.288 χ^2/NDF: 50.8/66

In: 2147.440+/-474.652 χ^2/NDF:58.8/54

Out: 2249.216+/-452.678 χ^2/NDF:64.1/59

All: 2200.738+/-327.585 χ^2/NDF: 122.8/114

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.734+/-0.480 χ^2/NDF: 667034.5/31

Left Out: 2773.713+/-0.457 χ^2/NDF:4616.5/24

Right Out: 2589.626+/-0.449 χ^2/NDF: 2027218.3/34

Left In: 2774.036+/-0.470 χ^2/NDF:4985.3/22

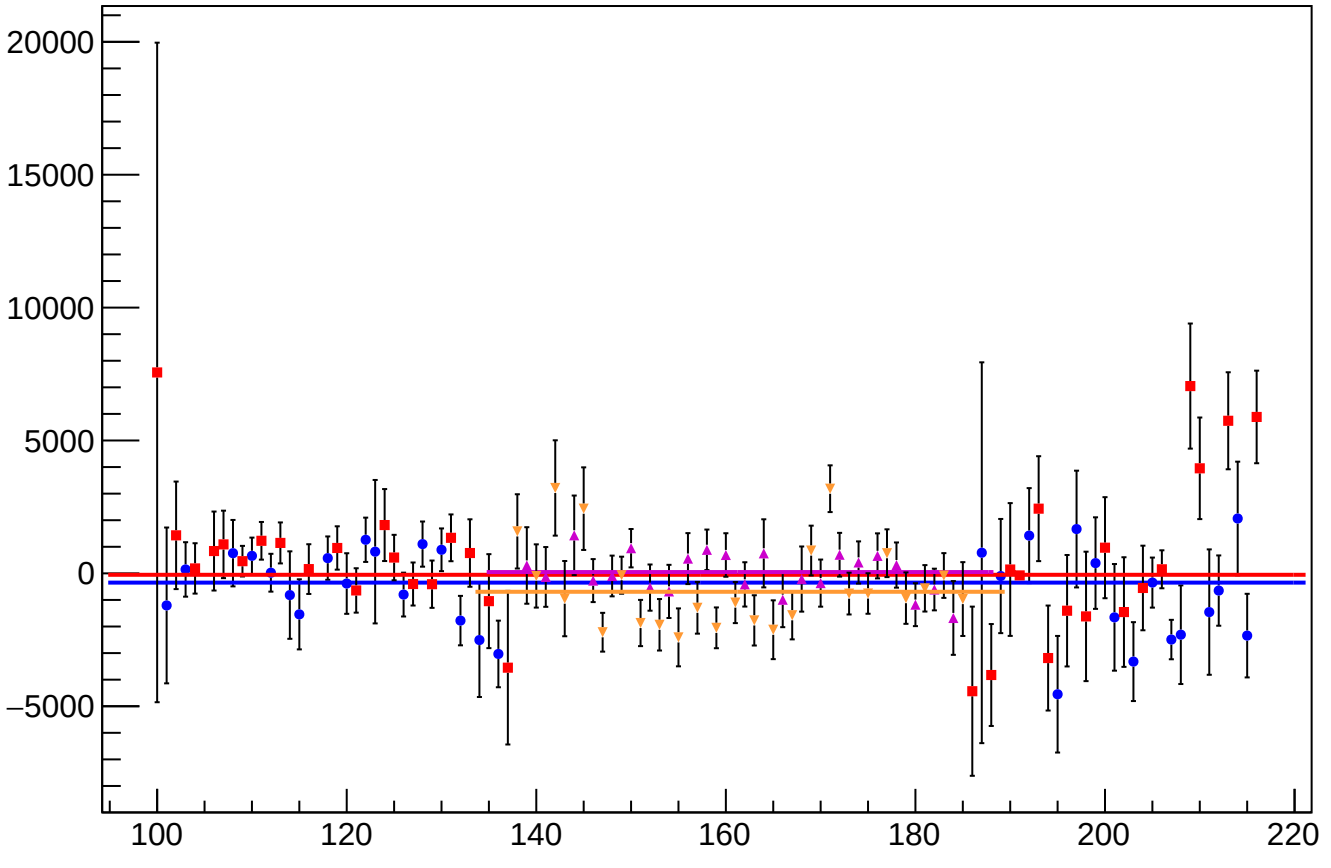
Left: 2773.870+/-0.328 χ^2/NDF: 9602.0/47

Right: 2685.818+/-0.328 χ^2/NDF: 2792774.0/66

In: 2784.666+/-0.336 χ^2/NDF:673064.3/54

Out: 2679.986+/-0.320 χ^2/NDF:2114494.6/59

All: 2729.847+/-0.232 χ^2/NDF: 2838500.6/11



Right In: -348.176+/-205.744 χ^2/NDF: 45.9/31

Left Out: -692.808+/-187.297 χ^2/NDF:56.0/24

Right Out: -53.936+/-37.793 χ^2/NDF: 65.4/34

Left In: 49.244+/-189.190 χ^2/NDF:13.6/22

Left: -325.512+/-133.103 χ^2/NDF: 77.4/47

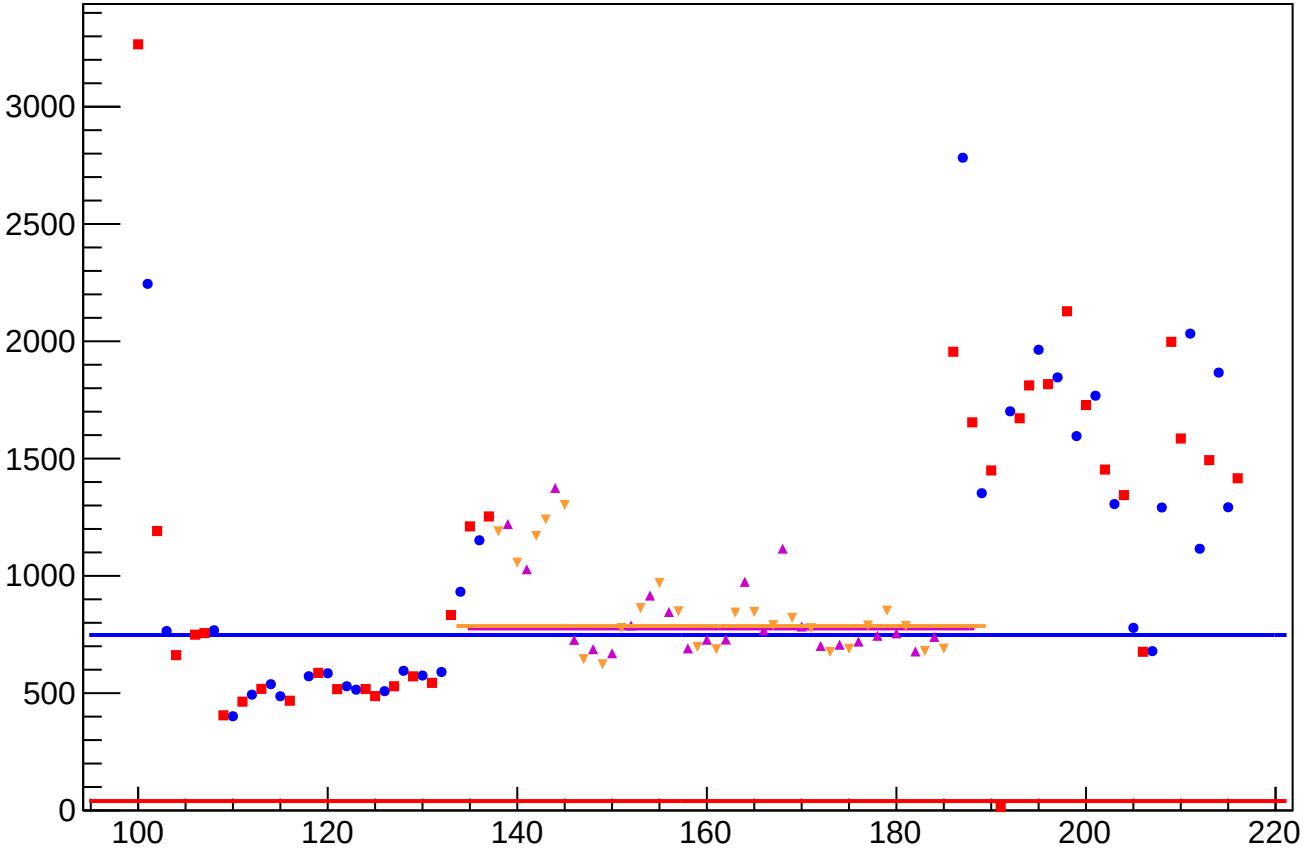
Right: -63.540+/-37.172 χ^2/NDF: 113.3/66

In: -132.837+/-139.263 χ^2/NDF:61.6/54

Out: -78.931+/-37.047 χ^2/NDF:132.6/59

All: -82.493+/-35.802 χ^2/NDF: 194.3/114

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 747.961+/-0.145 χ^2/NDF: 7303335.2/31

Left Out: 786.173+/-0.132 χ^2/NDF:1249536.1/24

Right Out: 40.118+/-0.027 χ^2/NDF: 32087260.5/34

Left In: 775.930+/-0.134 χ^2/NDF:1056766.5/22

Left: 781.103+/-0.094 χ^2/NDF: 2309263.4/47

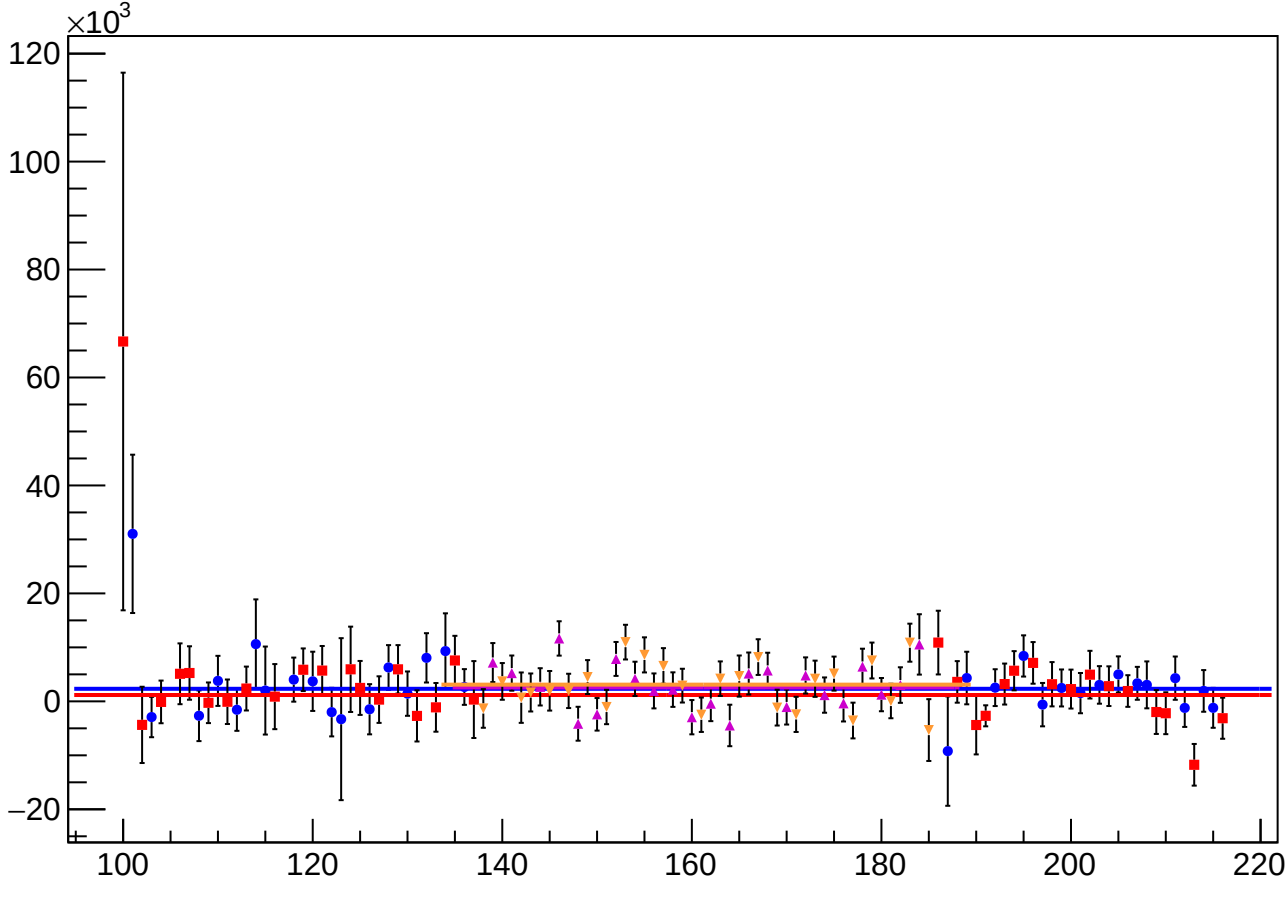
Right: 63.222+/-0.026 χ^2/NDF: 62290627.6/66

In: 763.116+/-0.098 χ^2/NDF:8380128.0/54

Out: 69.306+/-0.026 χ^2/NDF:63828167.2/59

All: 115.160+/-0.025 χ^2/NDF: 118568635.2/

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2326.002+/-750.626 χ^2/NDF: 22.1/31

Left Out: 3094.826+/-678.510 χ^2/NDF:38.7/24

Right Out: 1175.268+/-697.778 χ^2/NDF: 38.3/34

Left In: 2573.184+/-695.795 χ^2/NDF:35.7/22

Left: 2840.565+/-485.775 χ^2/NDF: 74.6/47

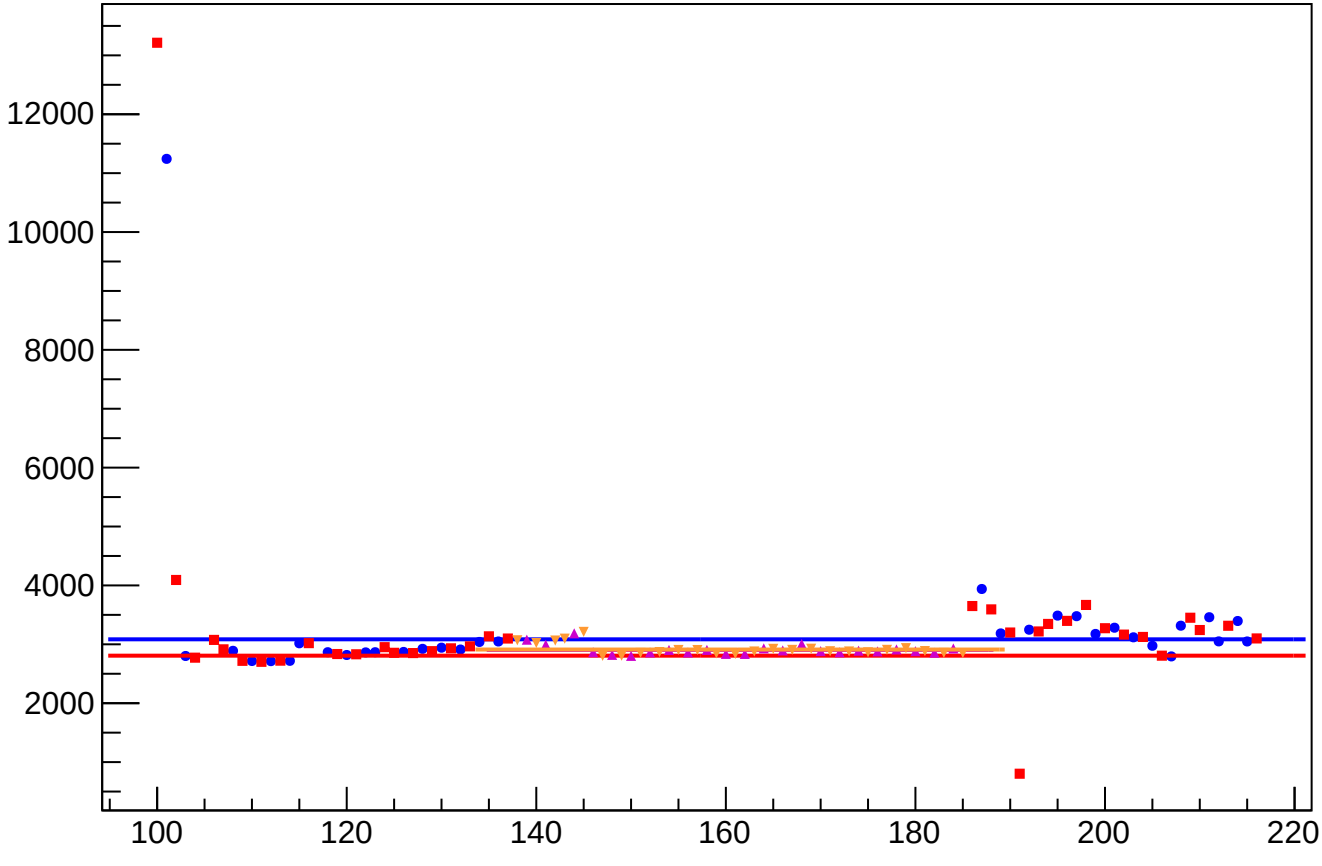
Right: 1708.704+/-511.066 χ^2/NDF: 61.6/66

In: 2458.950+/-510.286 χ^2/NDF:57.8/54

Out: 2161.915+/-486.448 χ^2/NDF:80.8/59

All: 2303.333+/-352.096 χ^2/NDF: 138.8/114

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3084.807+/-0.531 χ^2/NDF: 822045.5/31

Left Out: 2911.226+/-0.480 χ^2/NDF:36644.3/24

Right Out: 2807.149+/-0.493 χ^2/NDF: 2820626.0/34

Left In: 2903.411+/-0.492 χ^2/NDF:28838.5/22

Left: 2907.416+/-0.343 χ^2/NDF: 65612.1/47

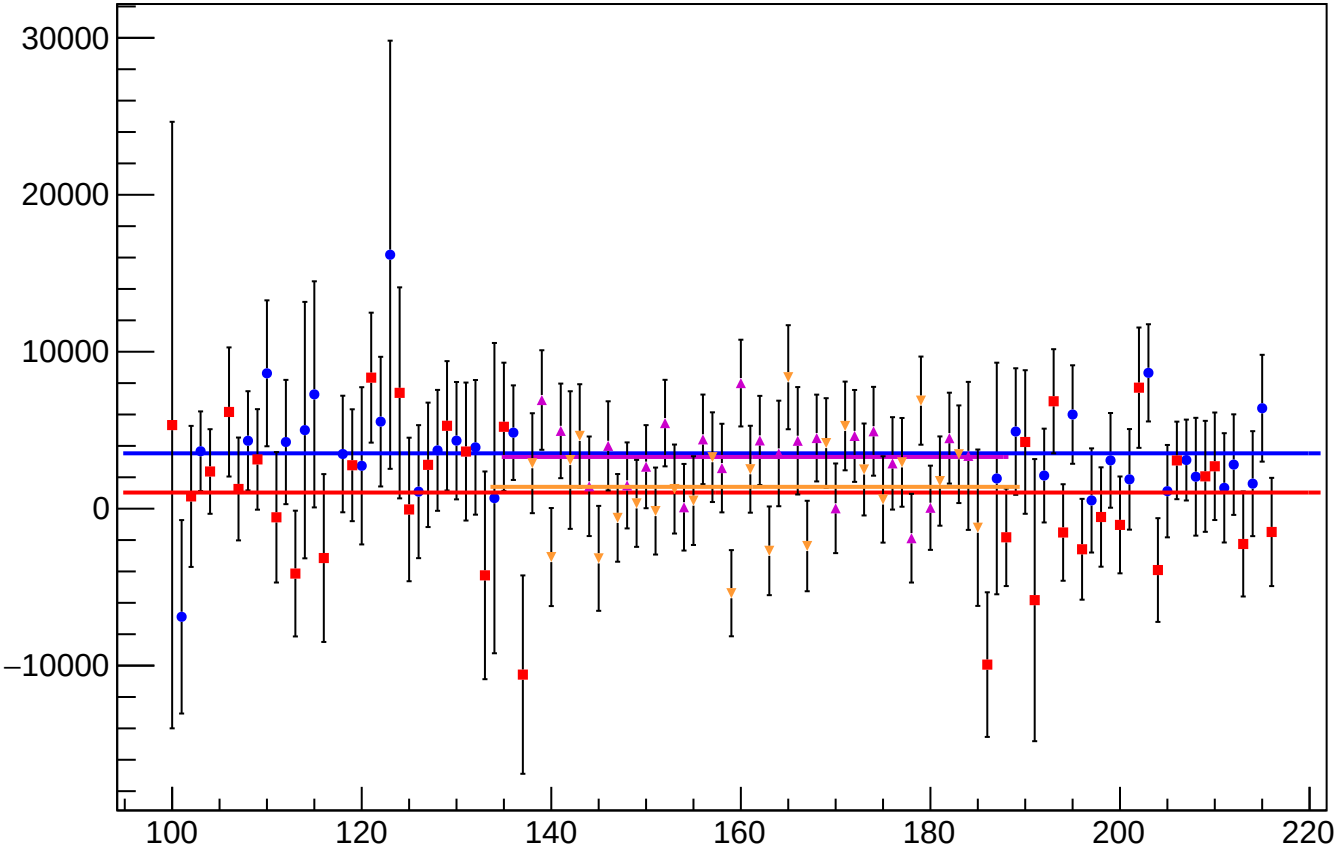
Right: 2935.861+/-0.361 χ^2/NDF: 3789469.8/66

In: 2987.242+/-0.361 χ^2/NDF:913704.7/54

Out: 2860.644+/-0.344 χ^2/NDF:2880140.0/59

All: 2920.917+/-0.249 χ^2/NDF: 3858336.6/11

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3526.507+/-650.954 χ^2/NDF: 13.5/31

Left Out: 1390.275+/-596.516 χ^2/NDF:29.2/24

Right Out: 1027.540+/-638.239 χ^2/NDF: 36.8/34

Left In: 3295.367+/-609.991 χ^2/NDF:14.9/22

Left: 2321.546+/-426.485 χ^2/NDF: 49.0/47

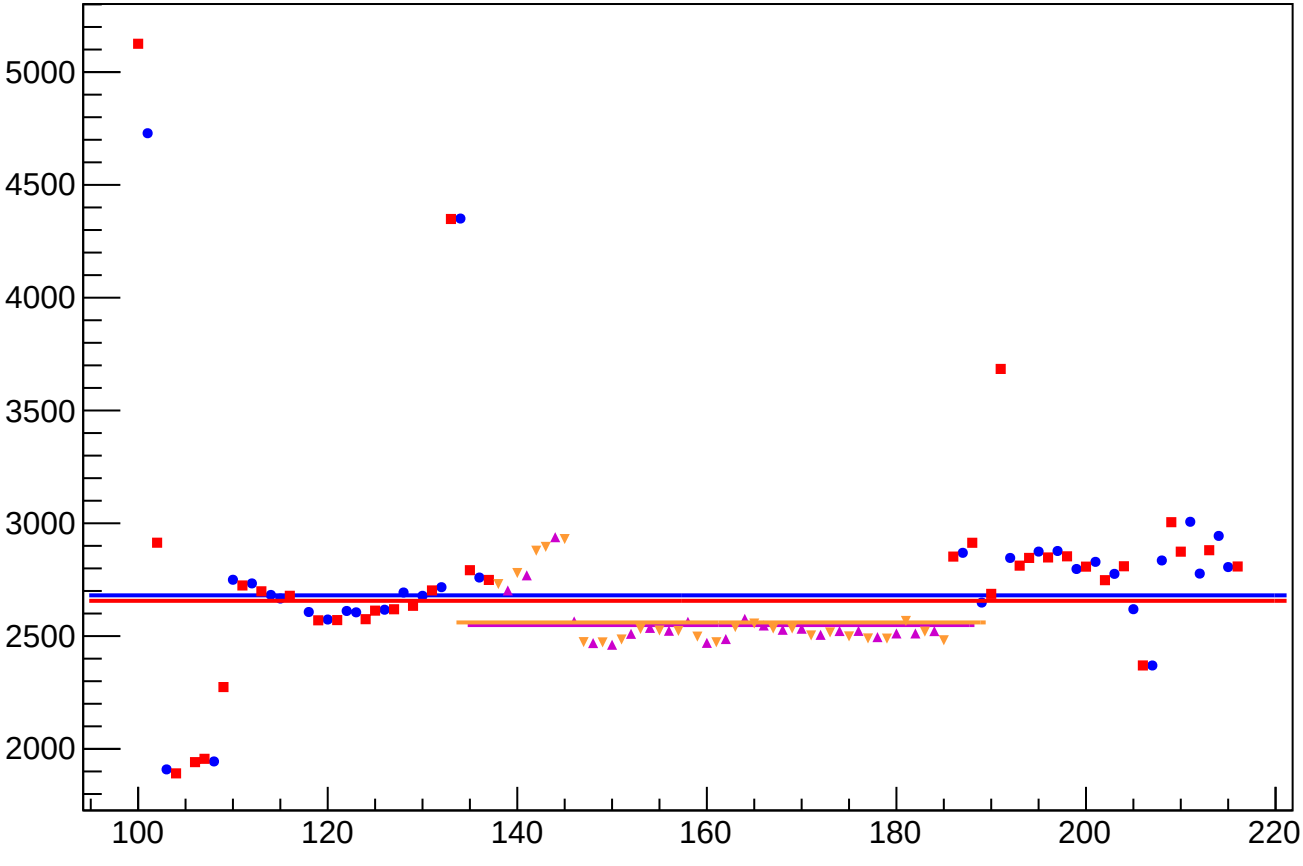
Right: 2252.380+/-455.732 χ^2/NDF: 57.7/66

In: 3403.436+/-445.106 χ^2/NDF:28.4/54

Out: 1221.150+/-435.805 χ^2/NDF:66.1/59

All: 2289.254+/-311.397 χ^2/NDF: 106.8/114

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2680.605+/-0.460 χ^2/NDF: 675956.9/31

Left Out: 2560.531+/-0.422 χ^2/NDF:86771.4/24

Right Out: 2656.341+/-0.451 χ^2/NDF: 665872.3/34

Left In: 2548.870+/-0.431 χ^2/NDF:55266.2/22

Left: 2554.831+/-0.302 χ^2/NDF: 142411.2/47

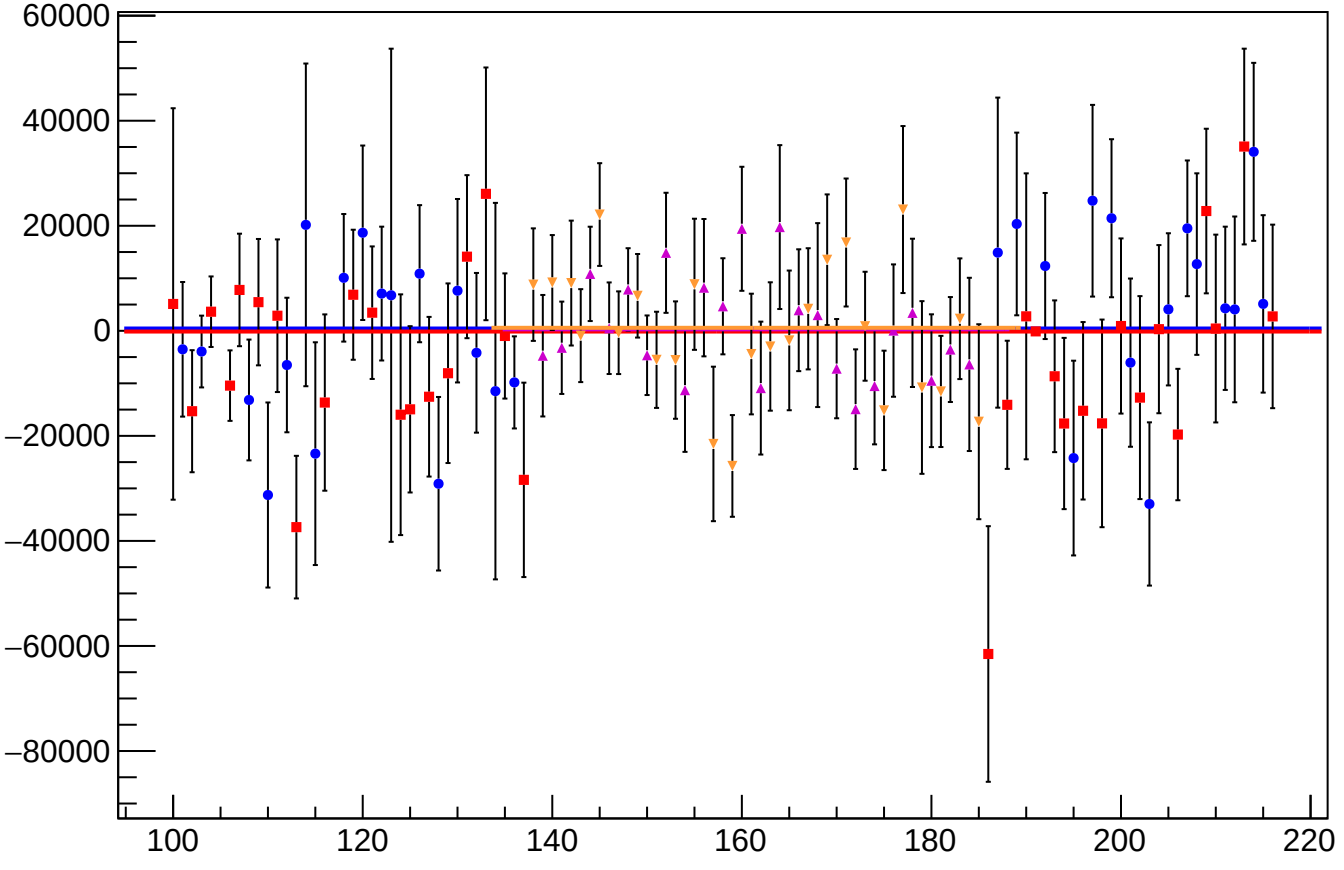
Right: 2668.234+/-0.322 χ^2/NDF: 1343246.1/66

In: 2610.462+/-0.315 χ^2/NDF:774836.0/54

Out: 2605.202+/-0.308 χ^2/NDF:776699.5/59

All: 2607.777+/-0.220 χ^2/NDF: 1551678.1/11

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 439.420+/-2564.693 χ^2/NDF: 34.3/31

Left Out: 572.477+/-2184.376 χ^2/NDF:28.2/24

Right Out: -137.934+/-194.893 χ^2/NDF: 39.8/34

Left In: 275.116+/-2242.836 χ^2/NDF:15.7/22

Left: 427.723+/-1564.847 χ^2/NDF: 43.9/47

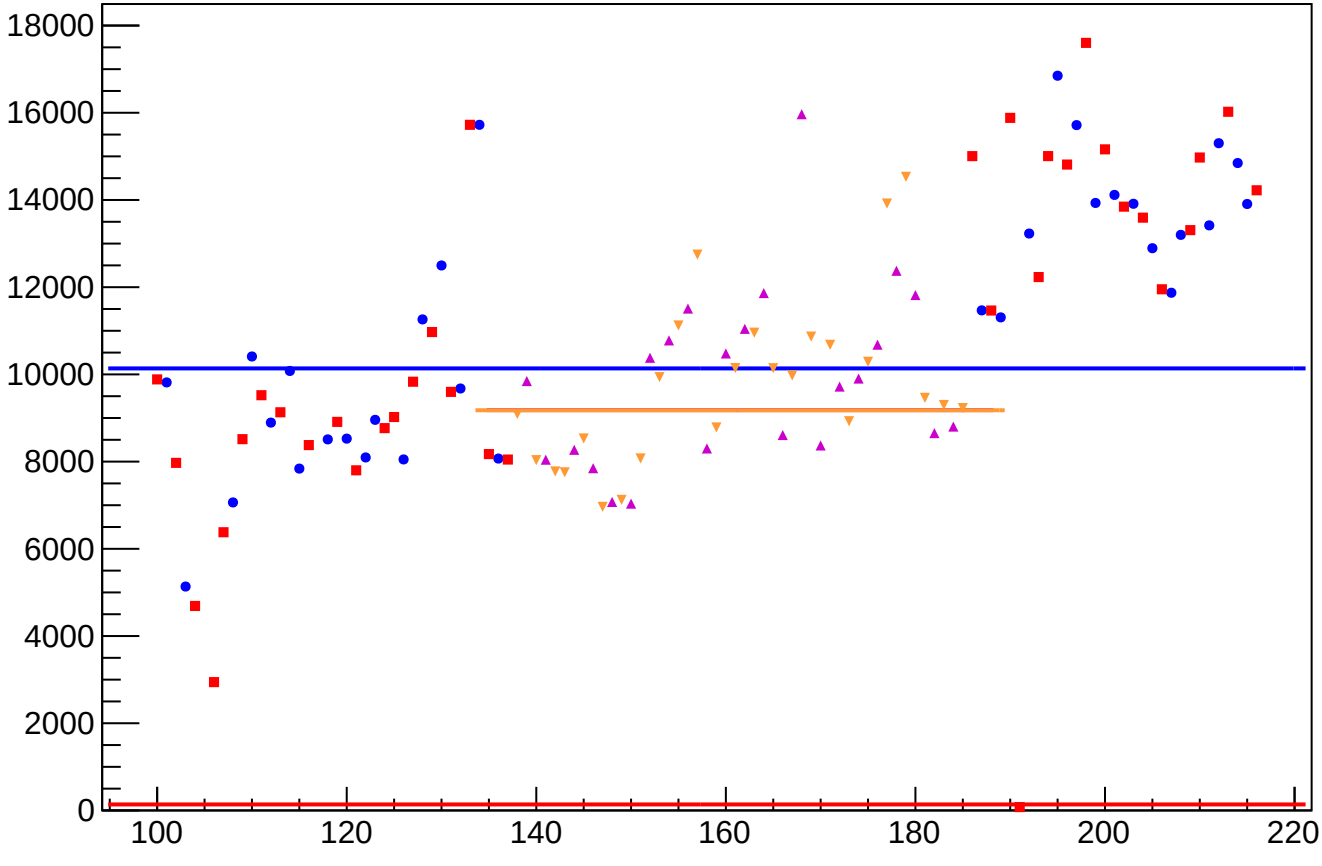
Right: -134.619+/-194.333 χ^2/NDF: 74.1/66

In: 346.317+/-1688.320 χ^2/NDF:49.9/54

Out: -132.324+/-194.122 χ^2/NDF:68.1/59

All: -126.078+/-192.852 χ^2/NDF: 118.2/114

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 10137.297+/-1.814 χ^2/NDF: 3239671.6/31

Left Out: 9177.688+/-1.545 χ^2/NDF:1176195.8/24

Right Out: 137.789+/-0.138 χ^2/NDF: 34125355.0/34

Left In: 9181.254+/-1.586 χ^2/NDF:1236469.7/22

Left: 9179.424+/-1.107 χ^2/NDF: 2412668.1/47

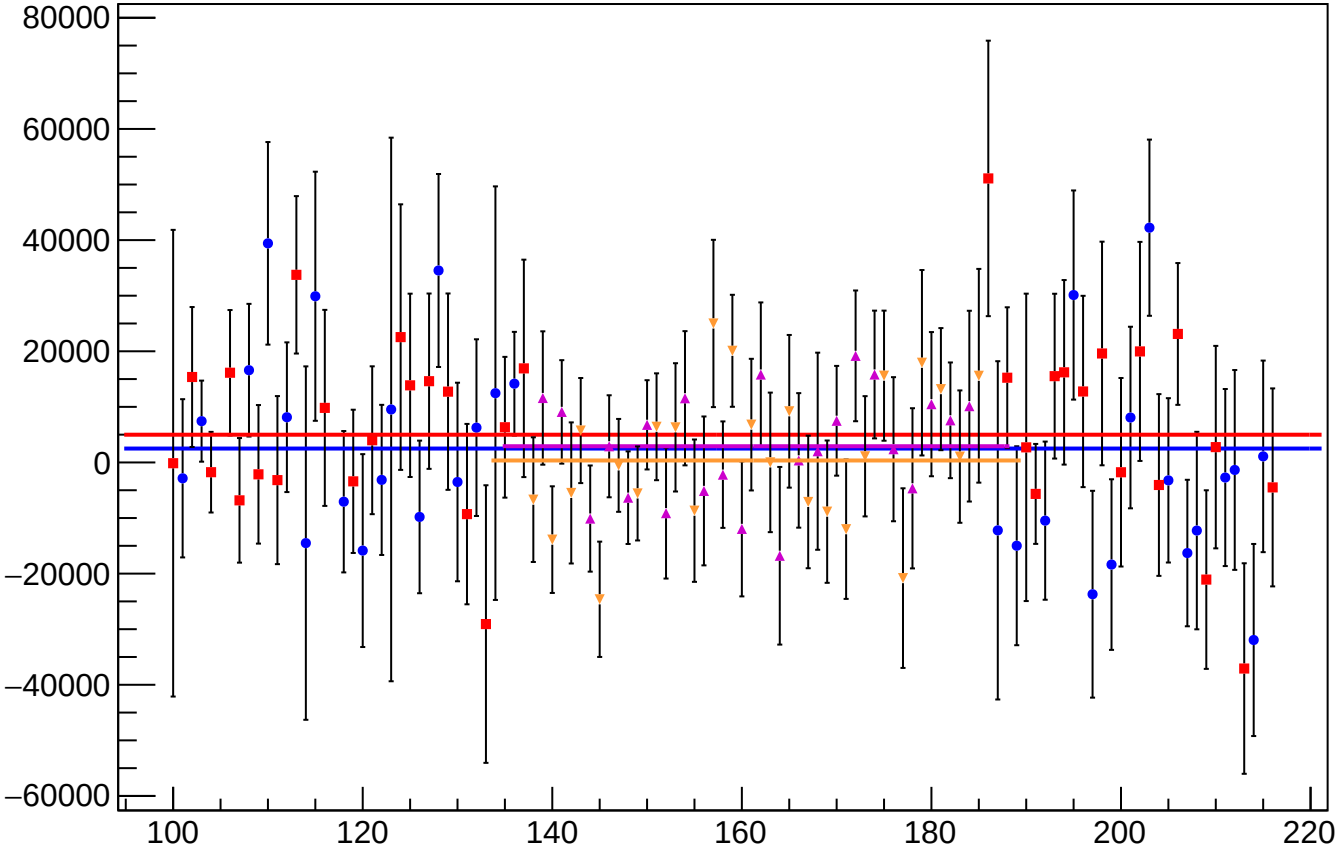
Right: 195.201+/-0.137 χ^2/NDF: 67593480.9/66

In: 9595.555+/-1.194 χ^2/NDF:4633622.4/54

Out: 209.182+/-0.137 χ^2/NDF:69284324.8/59

All: 331.654+/-0.136 χ^2/NDF: 134929488.8/1

asym_atr2_mean vs Slug, Sign Corrected



Right In: 2499.587+/-2675.483 χ^2/NDF: 37.4/31

Left Out: 355.717+/-2281.682 χ^2/NDF:26.2/24

Right Out: 4989.406+/-2472.080 χ^2/NDF: 31.5/34

Left In: 2918.356+/-2338.461 χ^2/NDF:14.9/22

Left: 1605.548+/-1633.097 χ^2/NDF: 41.8/47

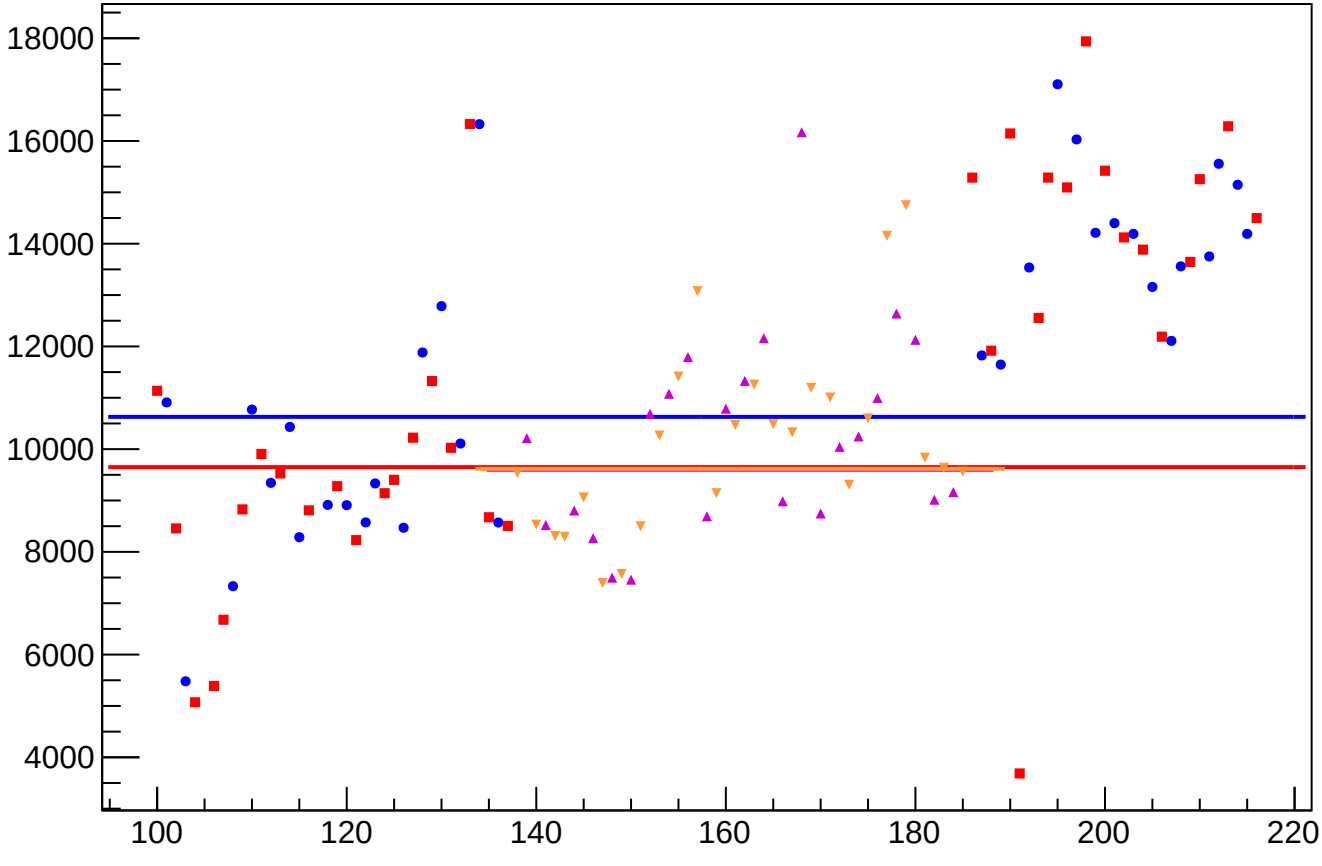
Right: 3842.727+/-1815.680 χ^2/NDF: 69.3/66

In: 2736.993+/-1760.715 χ^2/NDF:52.3/54

Out: 2487.270+/-1676.668 χ^2/NDF:59.6/59

All: 2606.029+/-1214.209 χ^2/NDF: 111.9/114

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10628.429+/-1.892 χ^2/NDF: 2932826.7/31

Left Out: 9616.245+/-1.613 χ^2/NDF:1011665.6/24

Right Out: 9649.948+/-1.748 χ^2/NDF: 4727497.0/34

Left In: 9598.531+/-1.654 χ^2/NDF:1082171.6/22

Left: 9607.606+/-1.155 χ^2/NDF: 2093896.0/47

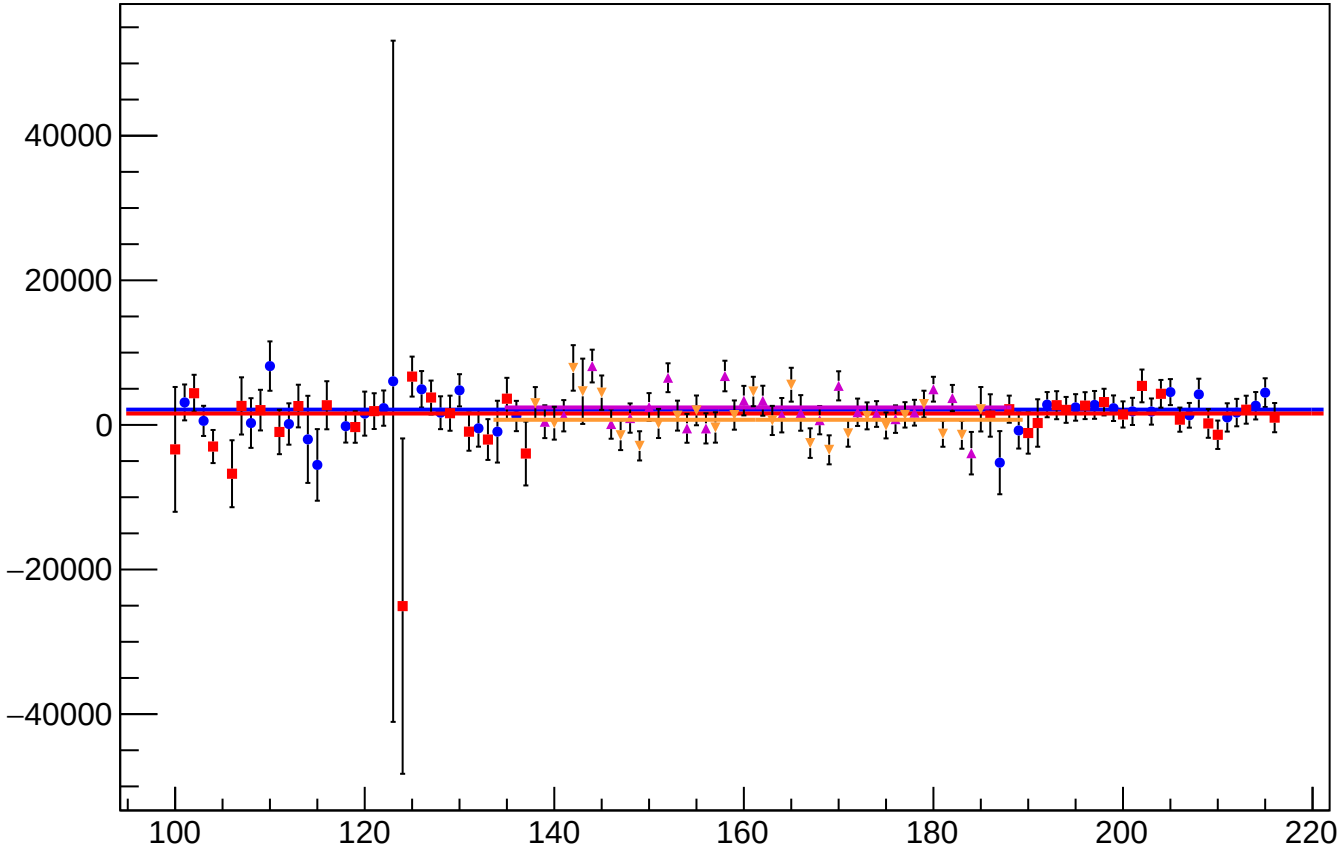
Right: 10100.571+/-1.284 χ^2/NDF: 7804633.2/66

In: 10044.565+/-1.245 χ^2/NDF:4183006.9/54

Out: 9631.750+/-1.186 χ^2/NDF:5739363.4/59

All: 9828.067+/-0.859 χ^2/NDF: 9980028.5/11

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2114.119+/-402.803 χ^2/NDF: 22.3/31

Left Out: 709.722+/-417.377 χ^2/NDF:34.8/24

Right Out: 1573.785+/-403.615 χ^2/NDF: 31.4/34

Left In: 2414.749+/-423.472 χ^2/NDF:34.0/22

Left: 1549.879+/-297.262 χ^2/NDF: 77.0/47

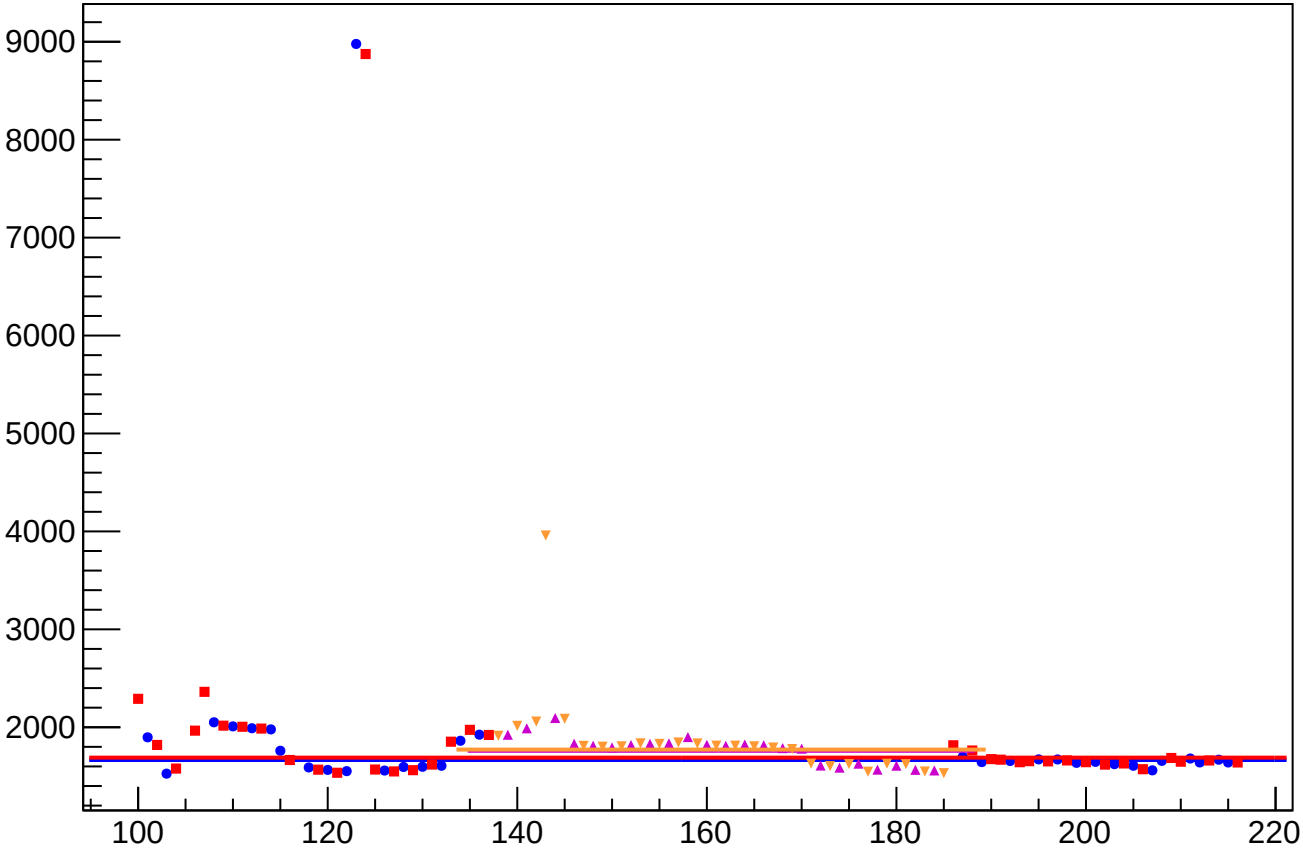
Right: 1844.496+/-285.111 χ^2/NDF: 54.6/66

In: 2256.919+/-291.858 χ^2/NDF:56.5/54

Out: 1156.234+/-290.142 χ^2/NDF:68.5/59

All: 1703.331+/-205.766 χ^2/NDF: 132.2/114

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.725+/-0.285 χ^2/NDF: 216555.7/31

Left Out: 1772.046+/-0.295 χ^2/NDF:702472.4/24

Right Out: 1689.828+/-0.285 χ^2/NDF: 439398.1/34

Left In: 1759.600+/-0.299 χ^2/NDF:214891.5/22

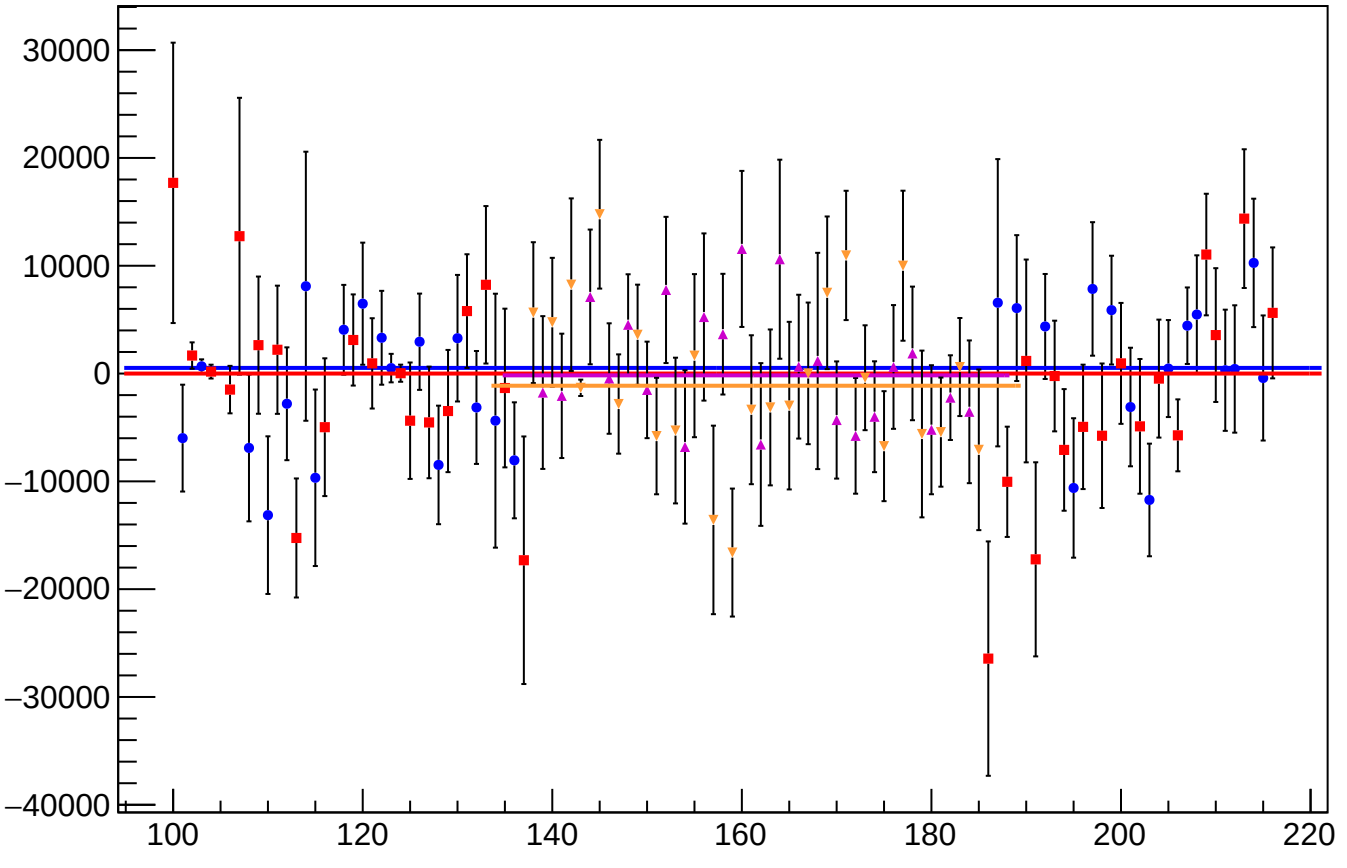
Left: 1765.913+/-0.210 χ^2/NDF: 918240.2/47

Right: 1677.772+/-0.201 χ^2/NDF: 659533.3/66

In: 1710.315+/-0.206 χ^2/NDF:483045.8/54

Out: 1729.493+/-0.205 χ^2/NDF:1182037.1/59

All: 1719.969+/-0.145 χ^2/NDF: 1669429.5/11



Right In: 523.830+/-504.448 χ^2/NDF: 35.1/31

Left Out: -1129.807+/-647.600 χ^2/NDF:31.5/24

Right Out: -0.161+/-415.284 χ^2/NDF: 51.1/34

Left In: -168.182+/-1232.411 χ^2/NDF:14.2/22

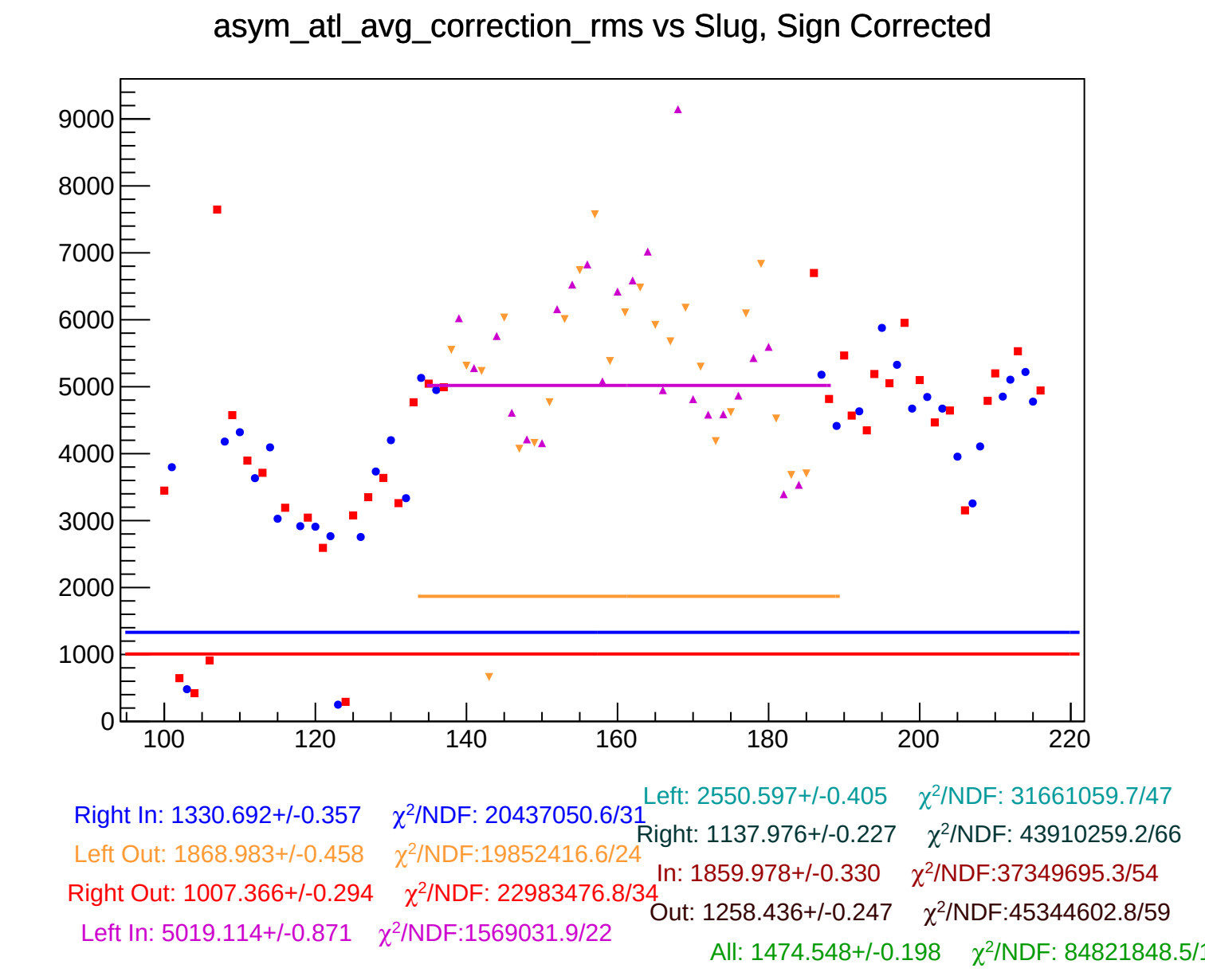
Left: -921.734+/-573.272 χ^2/NDF: 46.1/47

Right: 211.509+/-320.615 χ^2/NDF: 86.8/66

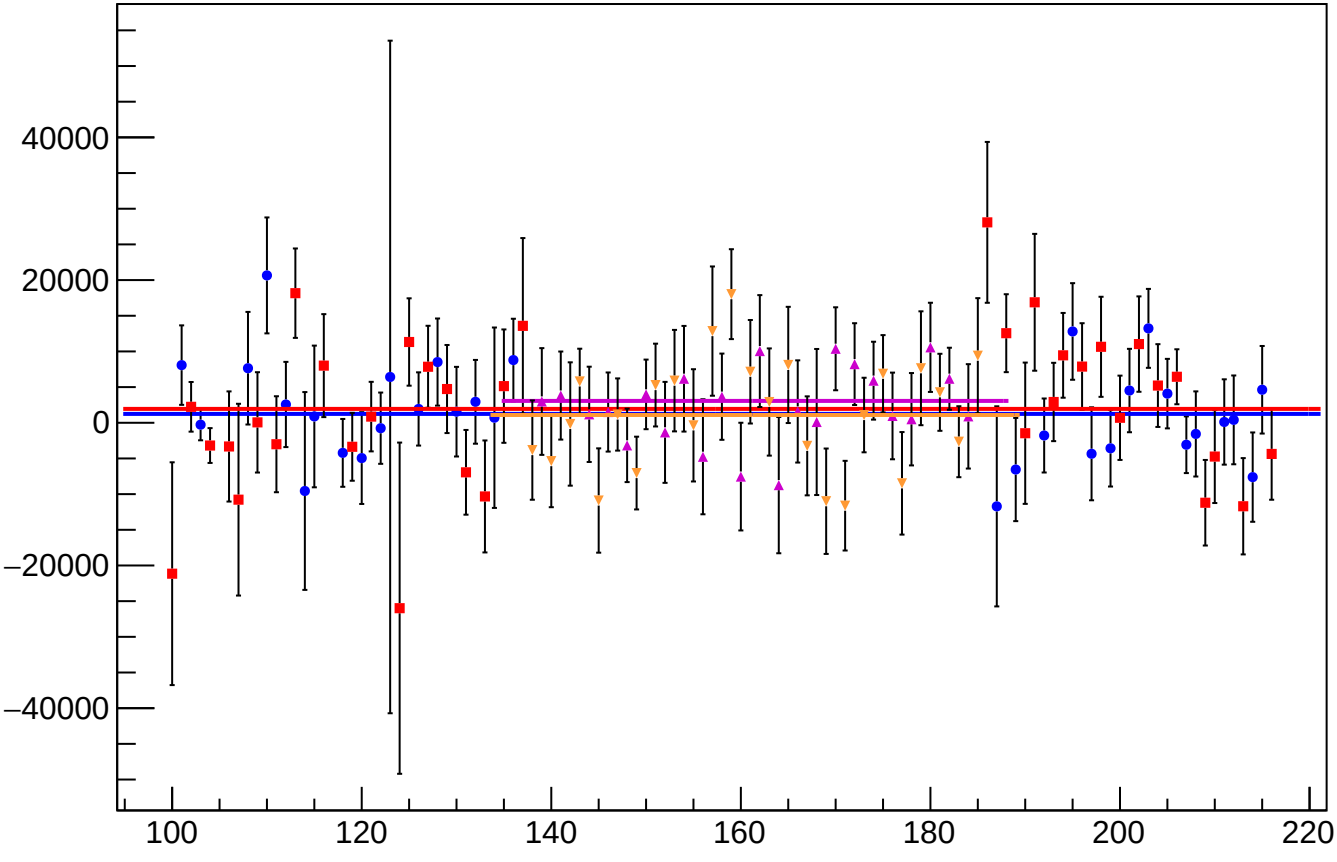
In: 424.527+/-466.853 χ^2/NDF:49.5/54

Out: -329.334+/-349.581 χ^2/NDF:84.7/59

All: -58.499+/-279.825 χ^2/NDF: 135.9/114


asym_atl_avg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 1330.692+/-0.357 χ²/NDF: 20437050.6/31
Left Out: 1868.983+/-0.458 χ²/NDF:19852416.6/24
Right Out: 1007.366+/-0.294 χ²/NDF: 22983476.8/34
Left In: 5019.114+/-0.871 χ²/NDF:1569031.9/22
Left: 2550.597+/-0.405 χ²/NDF: 31661059.7/47
Right: 1137.976+/-0.227 χ²/NDF: 43910259.2/66
In: 1859.978+/-0.330 χ²/NDF:37349695.3/54
Out: 1258.436+/-0.247 χ²/NDF:45344602.8/59
All: 1474.548+/-0.198 χ²/NDF: 84821848.5/1

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1244.126+/-988.798 χ^2/NDF: 30.6/31

Left Out: 1094.317+/-1273.113 χ^2/NDF:32.0/24

Right Out: 1946.165+/-990.363 χ^2/NDF: 58.4/34

Left In: 3064.775+/-1318.173 χ^2/NDF:12.6/22

Left: 2045.291+/-915.742 χ^2/NDF: 45.7/47

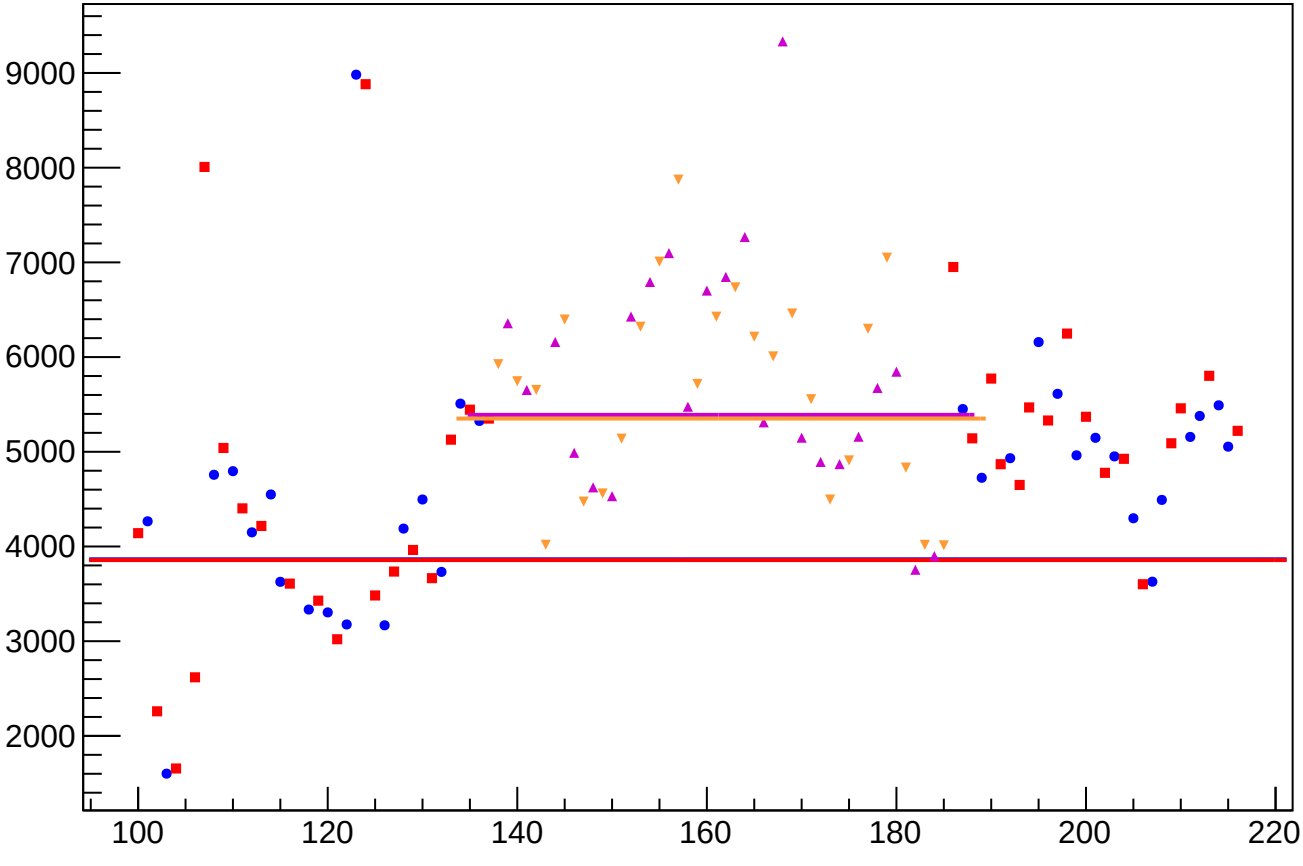
Right: 1594.590+/-699.738 χ^2/NDF: 89.2/66

In: 1899.703+/-790.990 χ^2/NDF:44.4/54

Out: 1625.017+/-781.696 χ^2/NDF:90.6/59

All: 1760.737+/-555.999 χ^2/NDF: 135.1/114

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3864.552+/-0.699 χ^2/NDF: 3774968.8/31

Left Out: 5350.804+/-0.900 χ^2/NDF:1241497.9/24

Right Out: 3856.396+/-0.694 χ^2/NDF: 4372308.3/34

Left In: 5389.724+/-0.932 χ^2/NDF:1309863.0/22

Left: 5369.587+/-0.648 χ^2/NDF: 2552263.0/47

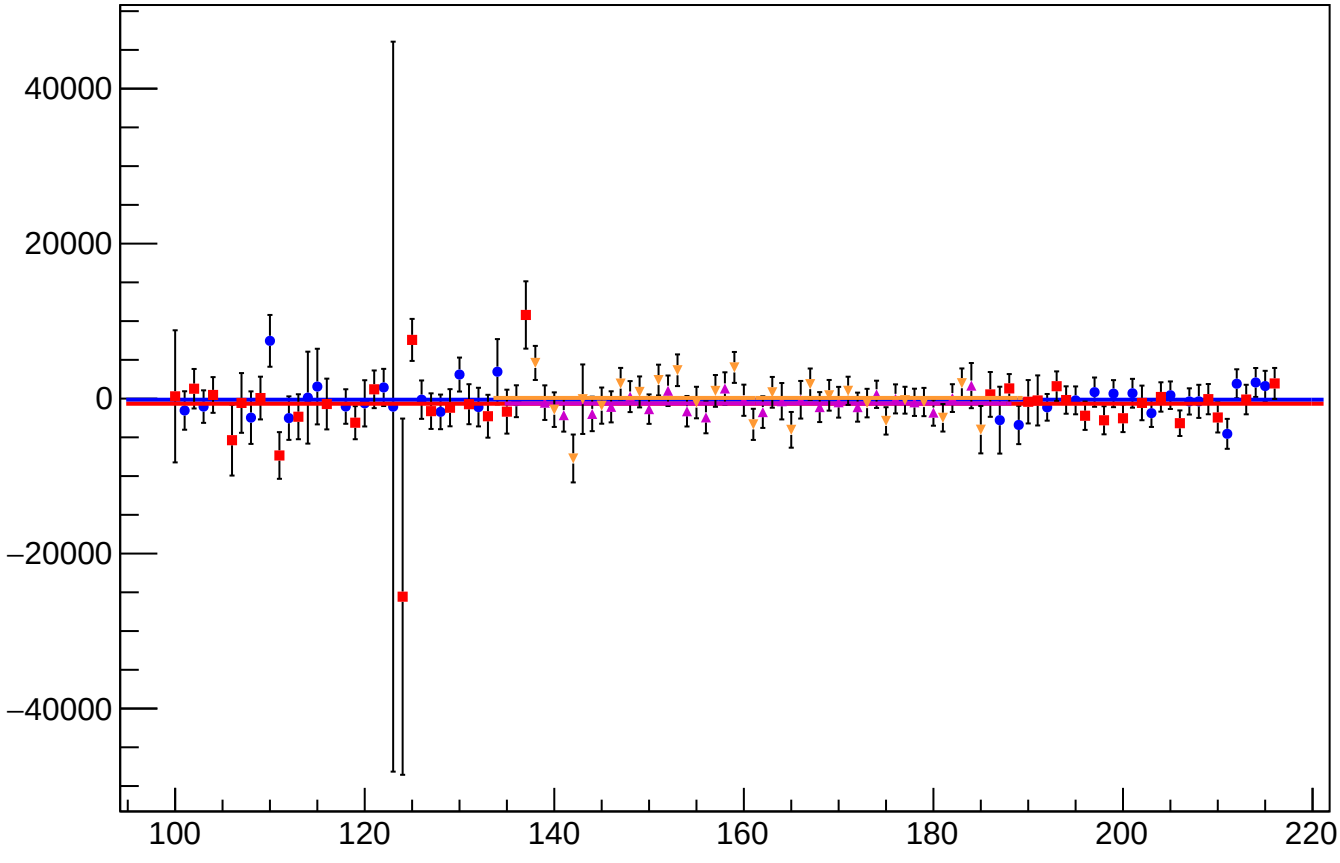
Right: 3860.445+/-0.493 χ^2/NDF: 8147345.7/66

In: 4413.731+/-0.559 χ^2/NDF:6798198.1/54

Out: 4413.695+/-0.550 χ^2/NDF:7341855.0/59

All: 4413.713+/-0.392 χ^2/NDF: 14140053.1/1

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -143.929+/-397.210 χ^2/NDF: 24.0/31

Left Out: 86.214+/-411.530 χ^2/NDF:36.0/24

Right Out: -664.453+/-397.813 χ^2/NDF: 38.4/34

Left In: -640.235+/-417.645 χ^2/NDF:6.2/22

Left: -271.653+/-293.134 χ^2/NDF: 43.7/47

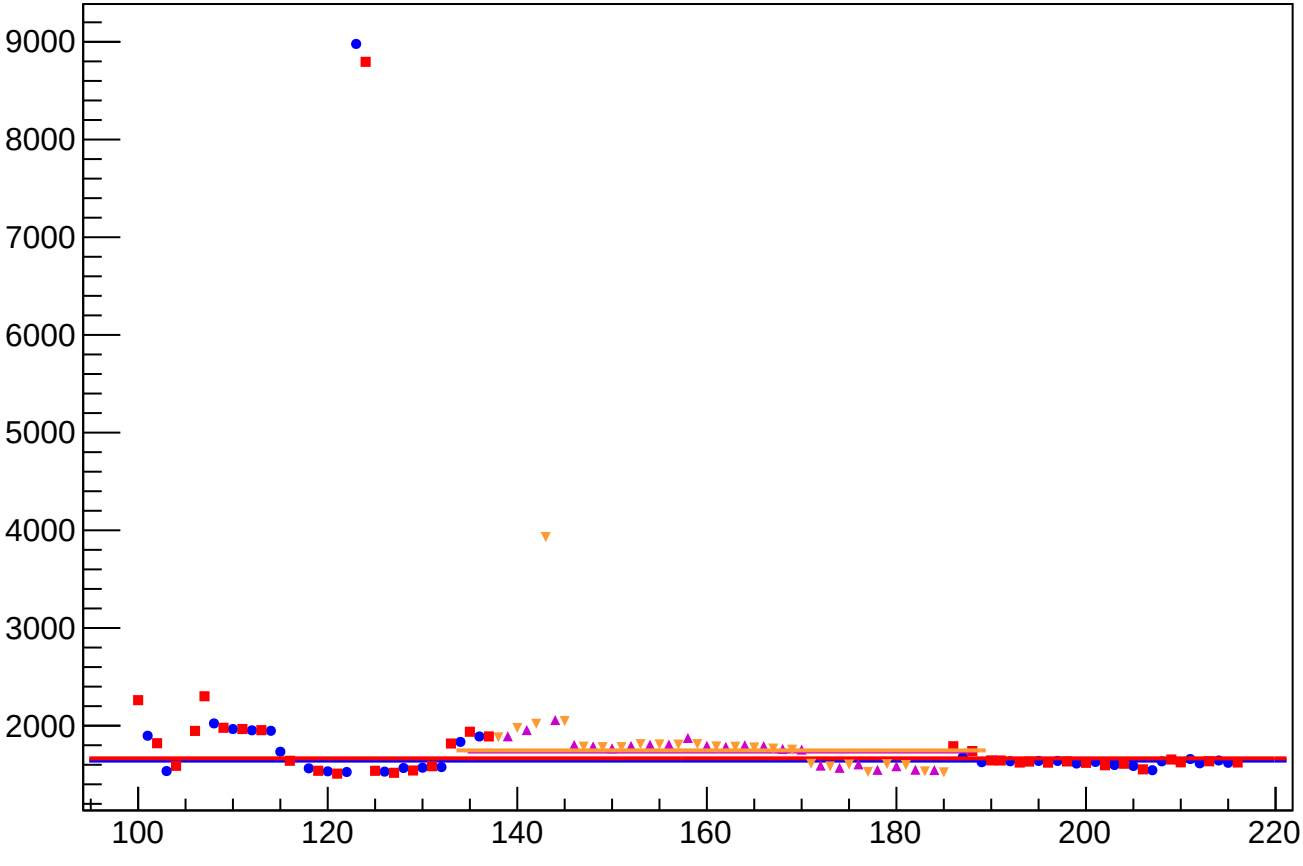
Right: -403.796+/-281.083 χ^2/NDF: 63.3/66

In: -379.643+/-287.823 χ^2/NDF:30.9/54

Out: -301.838+/-286.023 χ^2/NDF:76.2/59

All: -340.497+/-202.882 χ^2/NDF: 107.1/114

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1642.654+/-0.281 χ^2/NDF: 213844.4/31

Left Out: 1747.320+/-0.291 χ^2/NDF:698192.3/24

Right Out: 1665.772+/-0.281 χ^2/NDF: 434845.3/34

Left In: 1735.540+/-0.295 χ^2/NDF:206766.6/22

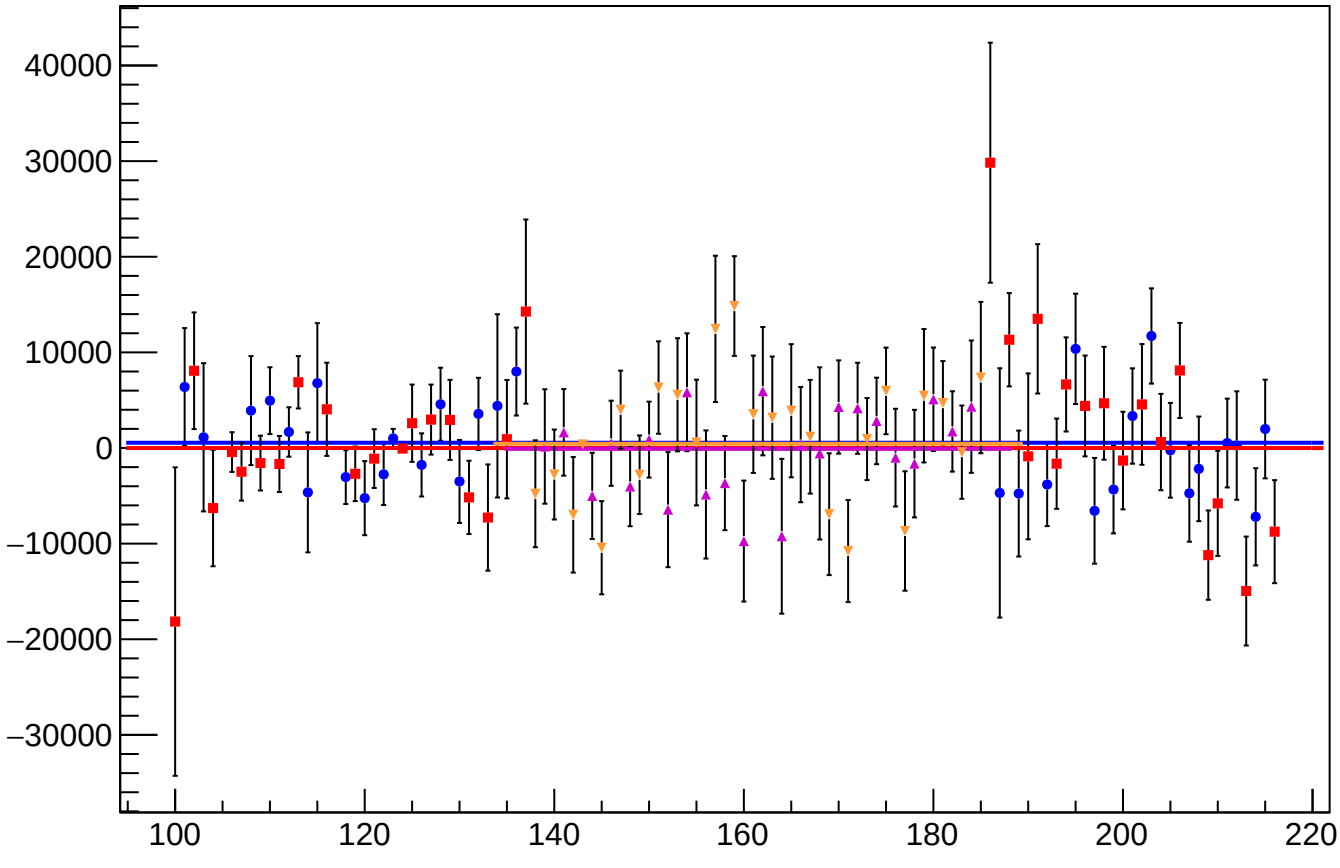
Left: 1741.517+/-0.207 χ^2/NDF: 905766.2/47

Right: 1654.214+/-0.199 χ^2/NDF: 652077.1/66

In: 1686.769+/-0.204 χ^2/NDF:472554.0/54

Out: 1705.100+/-0.202 χ^2/NDF:1173696.5/59

All: 1696.000+/-0.143 χ^2/NDF: 1650335.5/11



Right In: 549.657+/-627.324 χ^2/NDF: 32.3/31

Left Out: 442.187+/-440.335 χ^2/NDF:33.9/24

Right Out: -6.614+/-346.078 χ^2/NDF: 57.7/34

Left In: -88.508+/-1094.838 χ^2/NDF:13.4/22

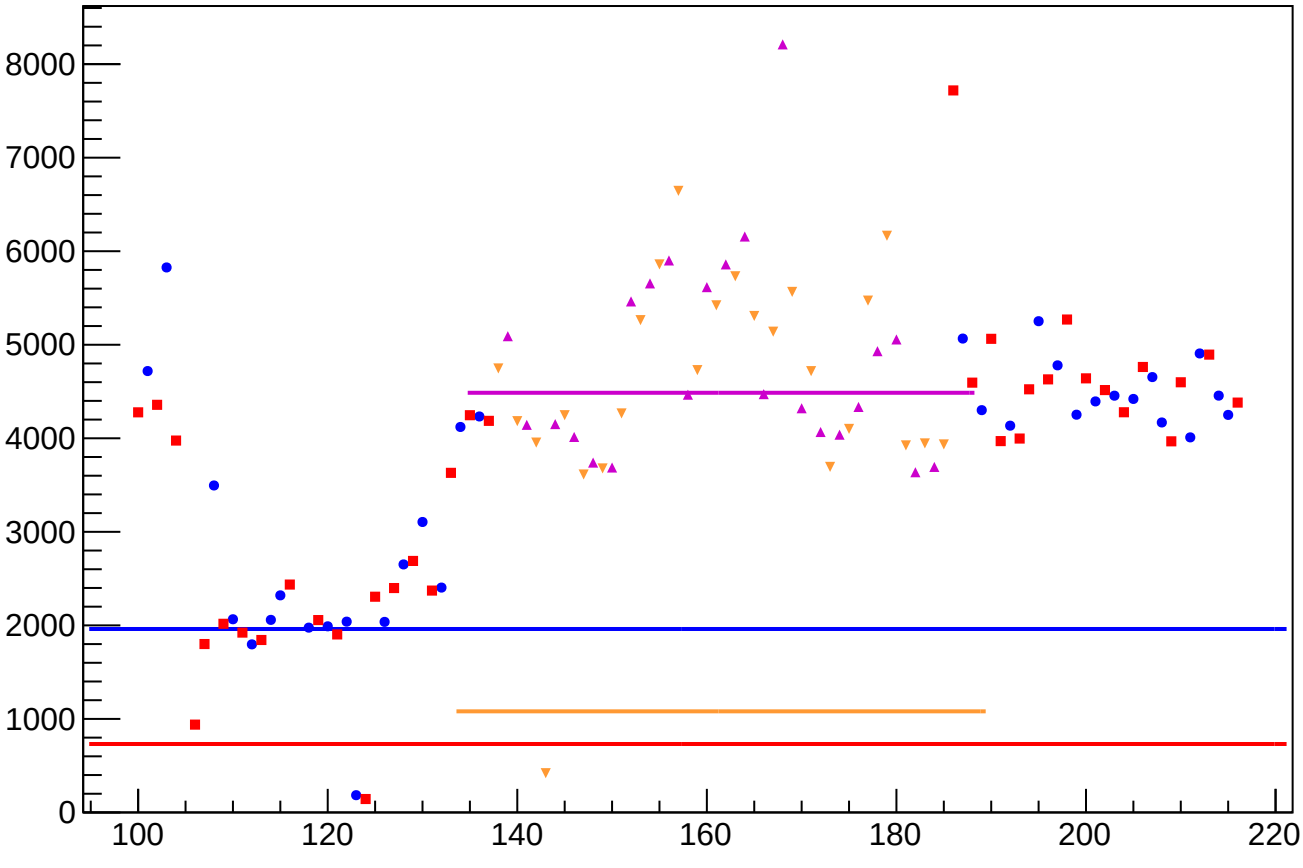
Left: 368.296+/-408.531 χ^2/NDF: 47.5/47

Right: 123.181+/-303.024 χ^2/NDF: 90.7/66

In: 391.926+/-544.305 χ^2/NDF:46.0/54

Out: 164.757+/-272.097 χ^2/NDF:92.3/59

All: 210.176+/-243.381 χ^2/NDF: 138.5/114



Right In: 1961.371+/-0.444 χ^2/NDF: 14987518.5/31

Left Out: 1081.004+/-0.311 χ^2/NDF:24456244.2/24

Right Out: 731.853+/-0.245 χ^2/NDF: 26380077.3/34

Left In: 4486.570+/-0.774 χ^2/NDF:1181598.1/22

Left: 1555.179+/-0.289 χ^2/NDF: 42294704.7/47

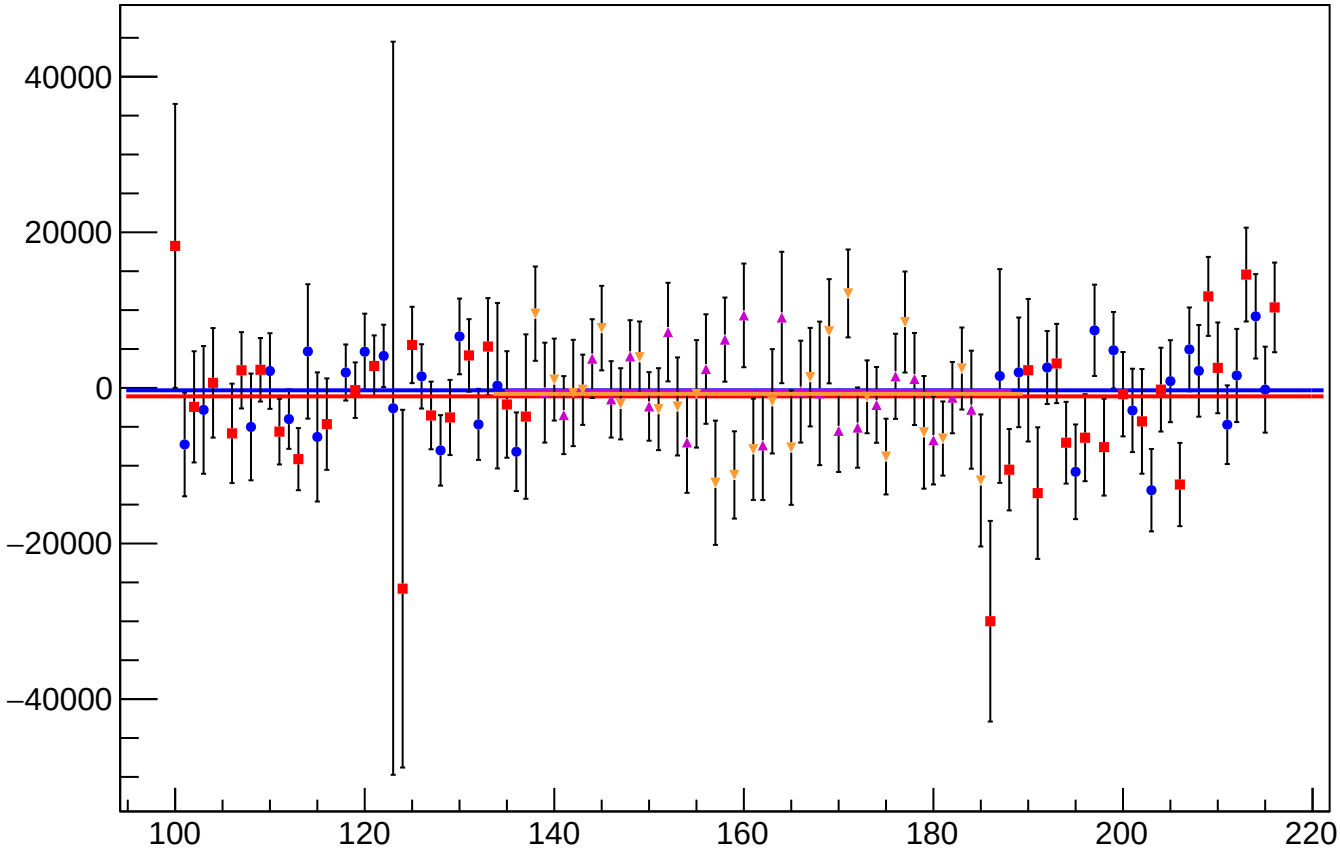
Right: 1018.737+/-0.214 χ^2/NDF: 47257721.8/66

In: 2585.508+/-0.385 χ^2/NDF:24178926.4/54

Out: 865.173+/-0.192 χ^2/NDF:51613625.2/59

All: 1209.128+/-0.172 χ^2/NDF: 91776983.8/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -309.961+/-955.108 χ^2/NDF: 32.4/31

Left Out: -766.008+/-1147.372 χ^2/NDF:29.9/24

Right Out: -1086.437+/-931.066 χ^2/NDF: 52.4/34

Left In: -388.944+/-1186.300 χ^2/NDF:14.2/22

Left: -583.764+/-824.733 χ^2/NDF: 44.2/47

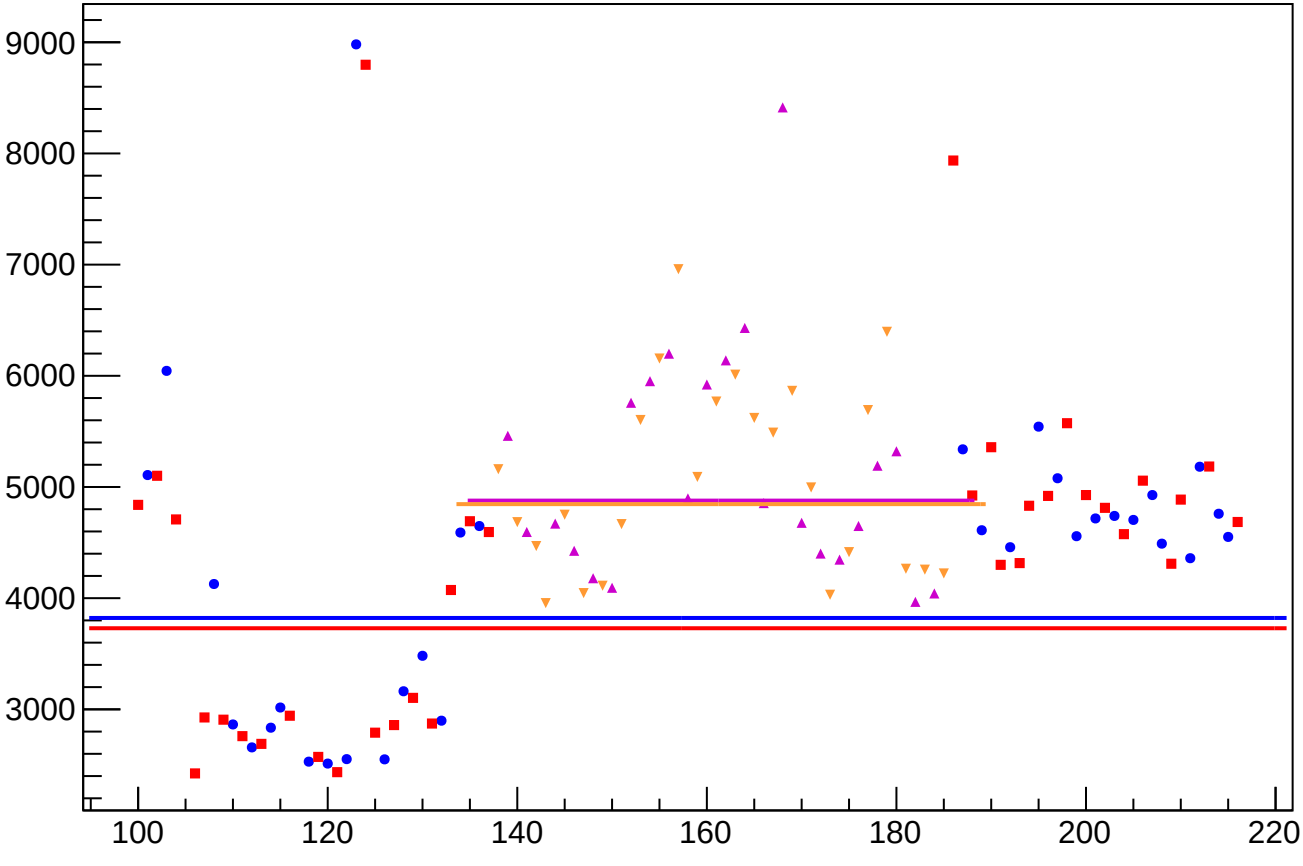
Right: -708.094+/-666.701 χ^2/NDF: 85.1/66

In: -341.023+/-743.954 χ^2/NDF:46.6/54

Out: -959.212+/-722.975 χ^2/NDF:82.4/59

All: -658.957+/-518.479 χ^2/NDF: 129.3/114

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3822.038+/-0.675 χ^2/NDF: 2430556.1/31

Left Out: 4845.779+/-0.811 χ^2/NDF:909173.9/24

Right Out: 3729.516+/-0.653 χ^2/NDF: 2882732.1/34

Left In: 4877.456+/-0.839 χ^2/NDF:958623.2/22

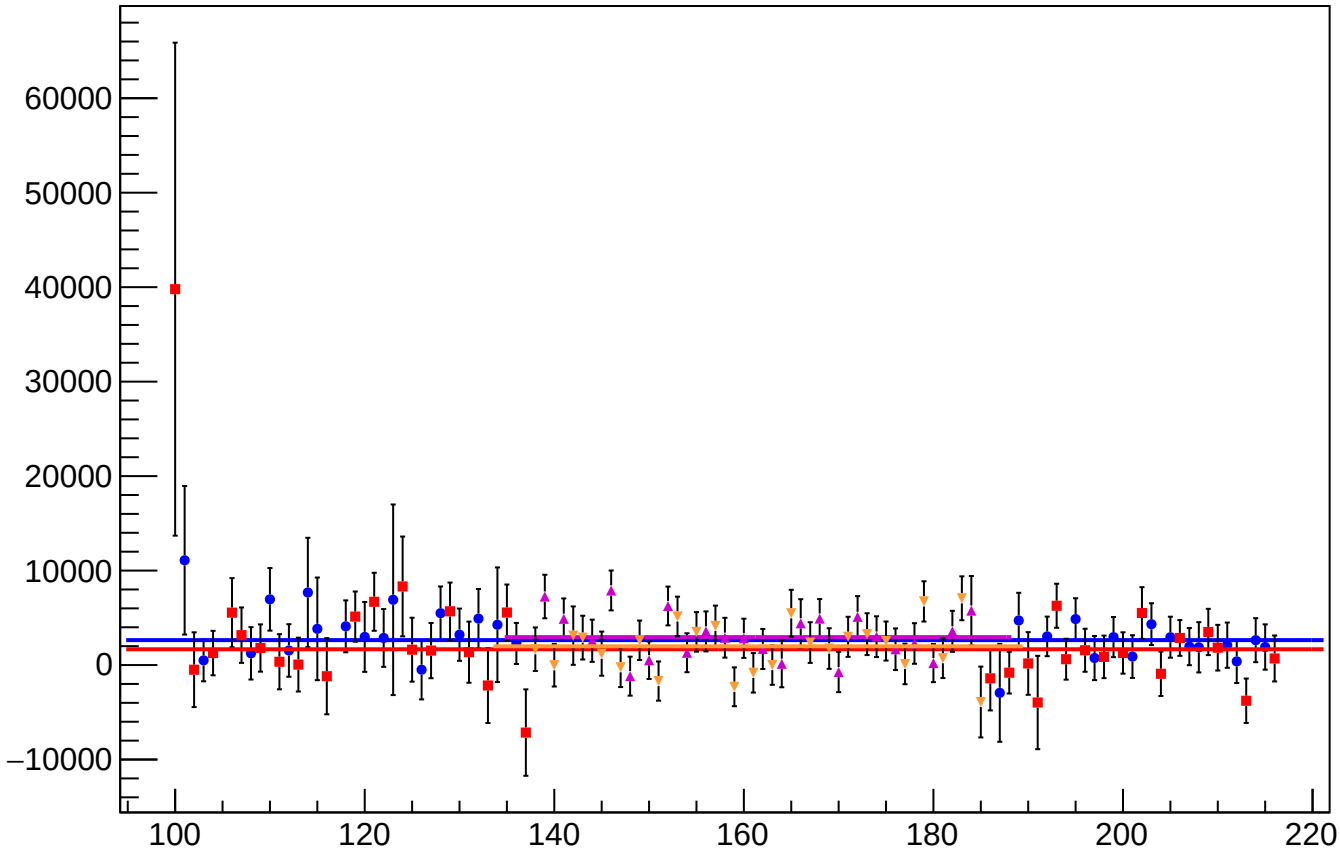
Left: 4861.089+/-0.583 χ^2/NDF: 1868533.9/47

Right: 3774.242+/-0.470 χ^2/NDF: 5322983.6/66

In: 4237.113+/-0.526 χ^2/NDF:4349636.4/54

Out: 4168.614+/-0.509 χ^2/NDF:4940278.2/59

All: 4201.725+/-0.366 χ^2/NDF: 9298674.0/11



Right In: 2639.474+/-477.669 χ^2/NDF: 14.1/31

Left Out: 1985.469+/-443.190 χ^2/NDF:32.4/24

Right Out: 1670.990+/-470.497 χ^2/NDF: 36.5/34

Left In: 2955.900+/-454.551 χ^2/NDF:28.4/22

Left: 2458.406+/-317.323 χ^2/NDF: 63.2/47

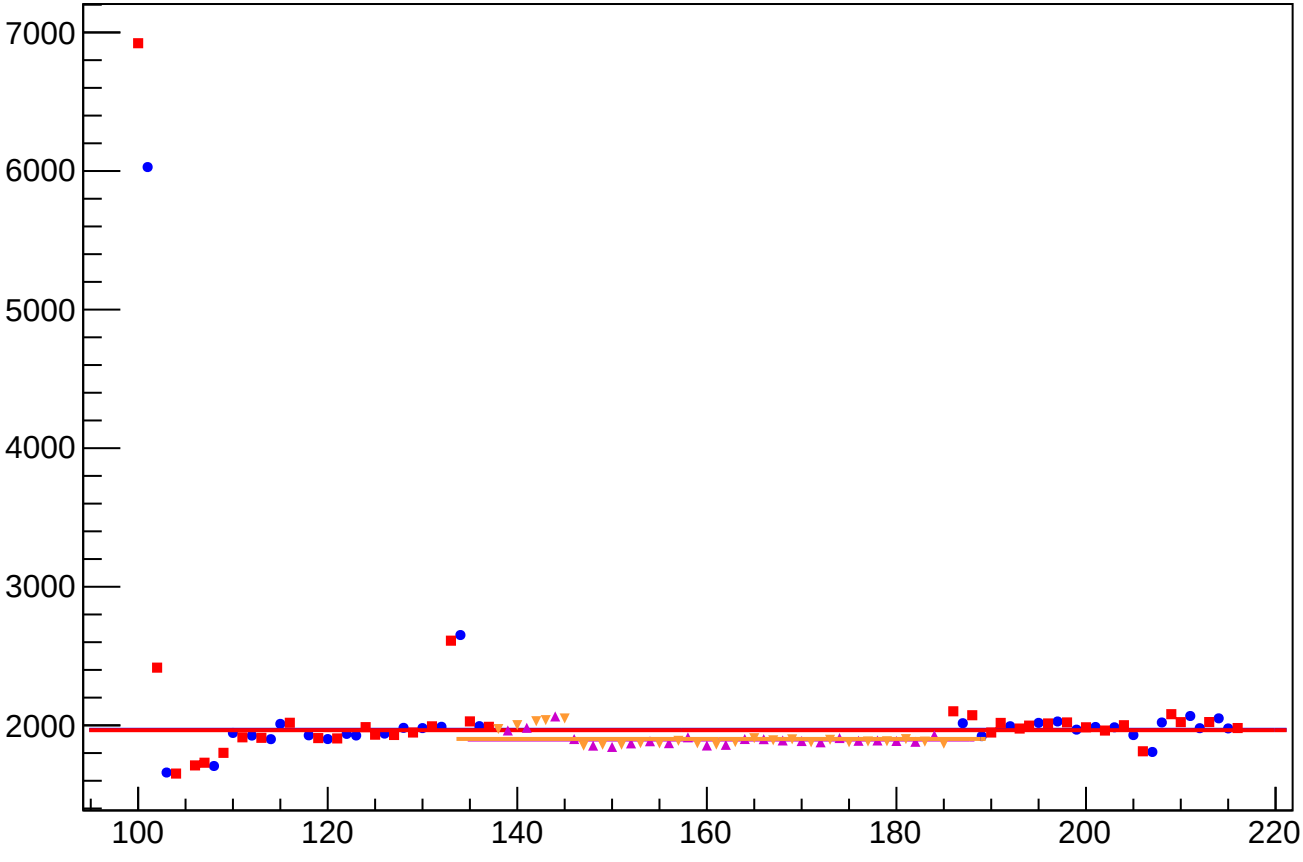
Right: 2147.906+/-335.198 χ^2/NDF: 52.7/66

In: 2805.530+/-329.286 χ^2/NDF:42.7/54

Out: 1837.620+/-322.604 χ^2/NDF:69.2/59

All: 2311.656+/-230.442 χ^2/NDF: 116.4/114

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1967.887+/-0.338 χ^2/NDF: 642465.6/31

Left Out: 1901.884+/-0.313 χ^2/NDF:30446.9/24

Right Out: 1964.997+/-0.332 χ^2/NDF: 255100.9/34

Left In: 1897.456+/-0.321 χ^2/NDF:21180.1/22

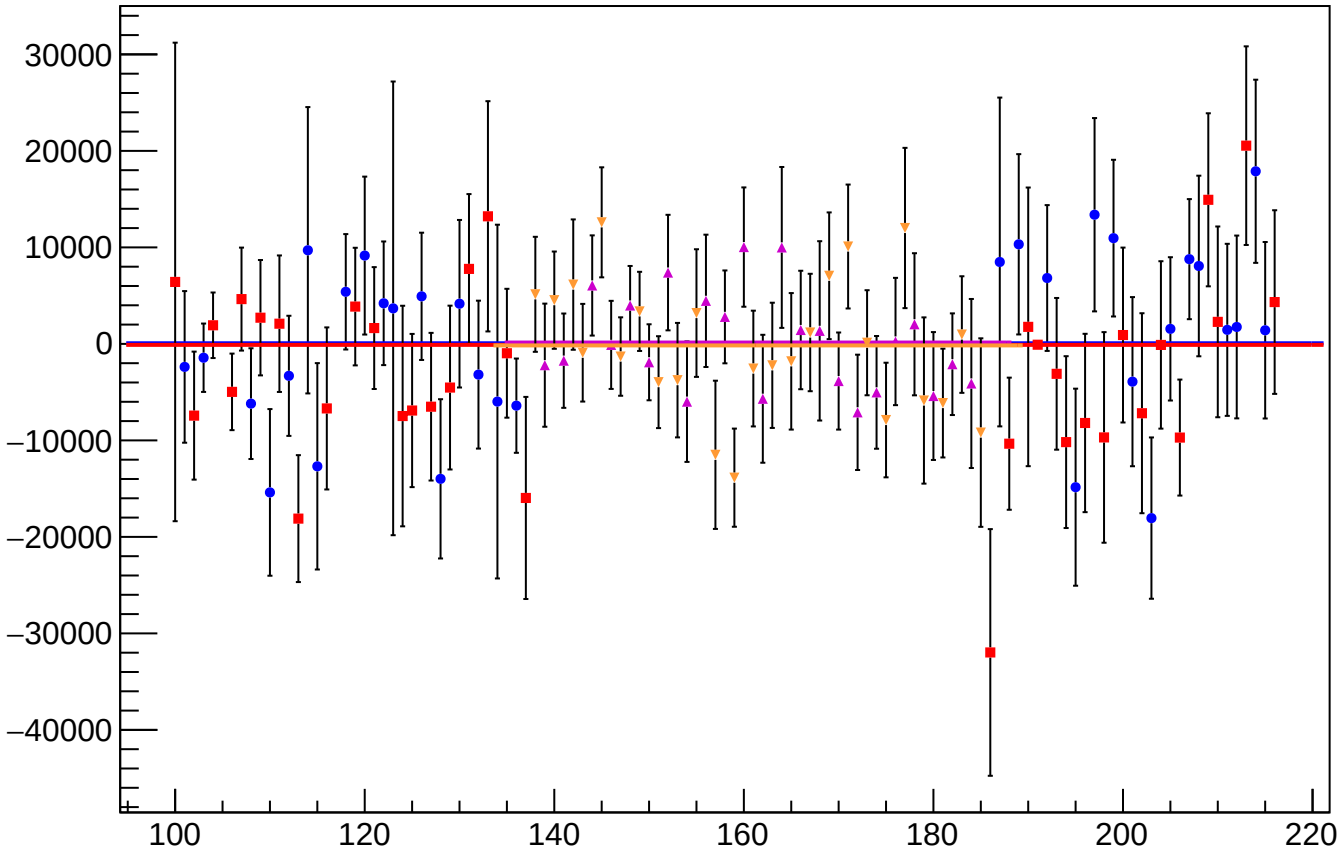
Left: 1899.726+/-0.224 χ^2/NDF: 51724.3/47

Right: 1966.419+/-0.237 χ^2/NDF: 897603.7/66

In: 1930.926+/-0.233 χ^2/NDF:686464.0/54

Out: 1931.585+/-0.228 χ^2/NDF:304635.4/59

All: 1931.262+/-0.163 χ^2/NDF: 991103.4/114



Right In: 63.642+/-1339.432 χ^2/NDF: 34.2/31

Left Out: -157.539+/-1165.844 χ^2/NDF:29.5/24

Right Out: -100.612+/-109.523 χ^2/NDF: 41.2/34

Left In: 139.000+/-1190.889 χ^2/NDF:14.7/22

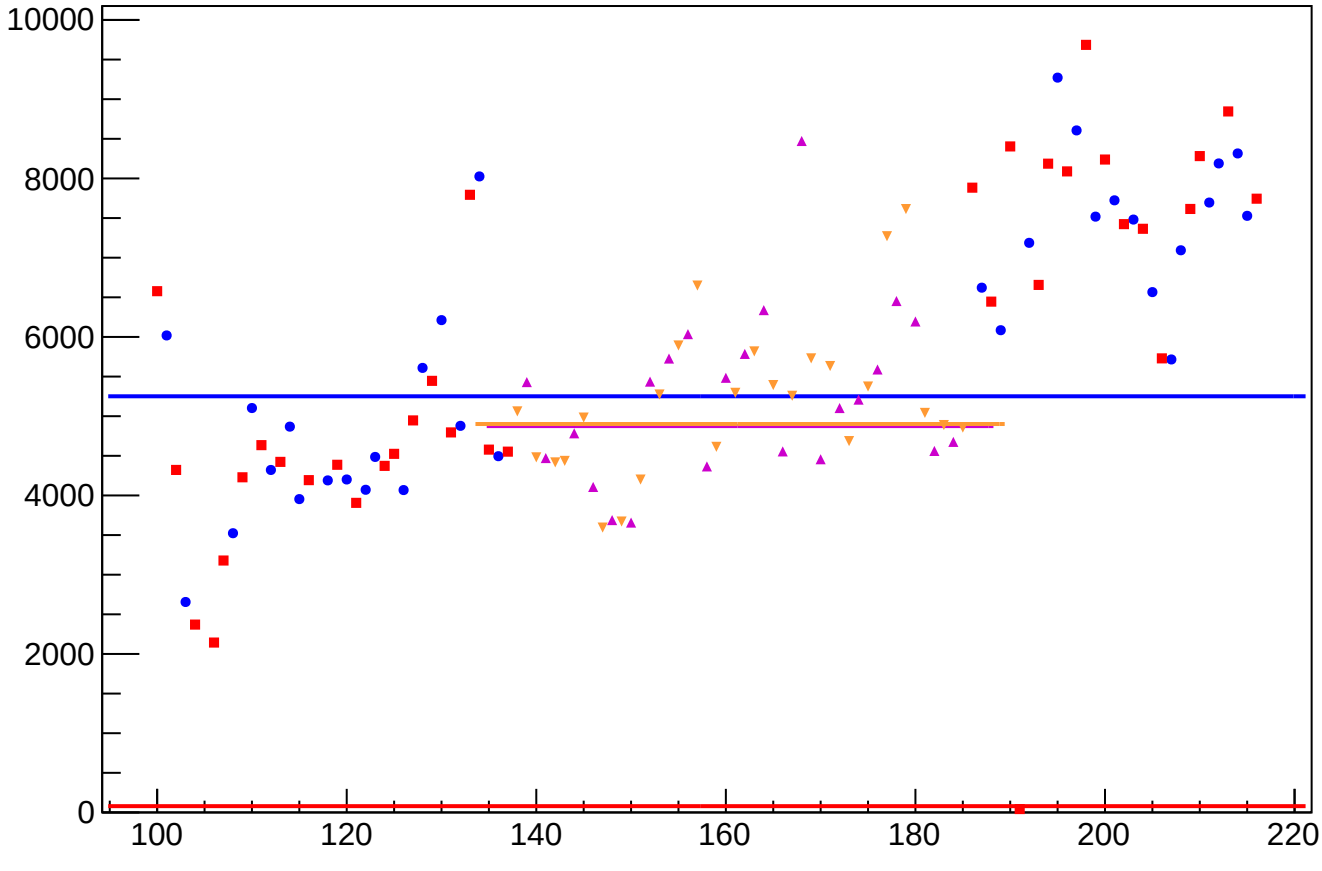
Left: -12.420+/-833.090 χ^2/NDF: 44.2/47

Right: -99.521+/-109.159 χ^2/NDF: 75.4/66

In: 105.730+/-889.989 χ^2/NDF:48.9/54

Out: -101.110+/-109.043 χ^2/NDF:70.7/59

All: -98.051+/-108.234 χ^2/NDF: 119.6/114



Right In: 5251.193+/-0.947 χ^2/NDF: 3685916.3/31

Left Out: 4901.357+/-0.824 χ^2/NDF:1136916.0/24

Right Out: 79.515+/-0.077 χ^2/NDF: 34146658.4/34

Left In: 4875.112+/-0.842 χ^2/NDF:1229198.0/22

Left: 4888.513+/-0.589 χ^2/NDF: 2366610.1/47

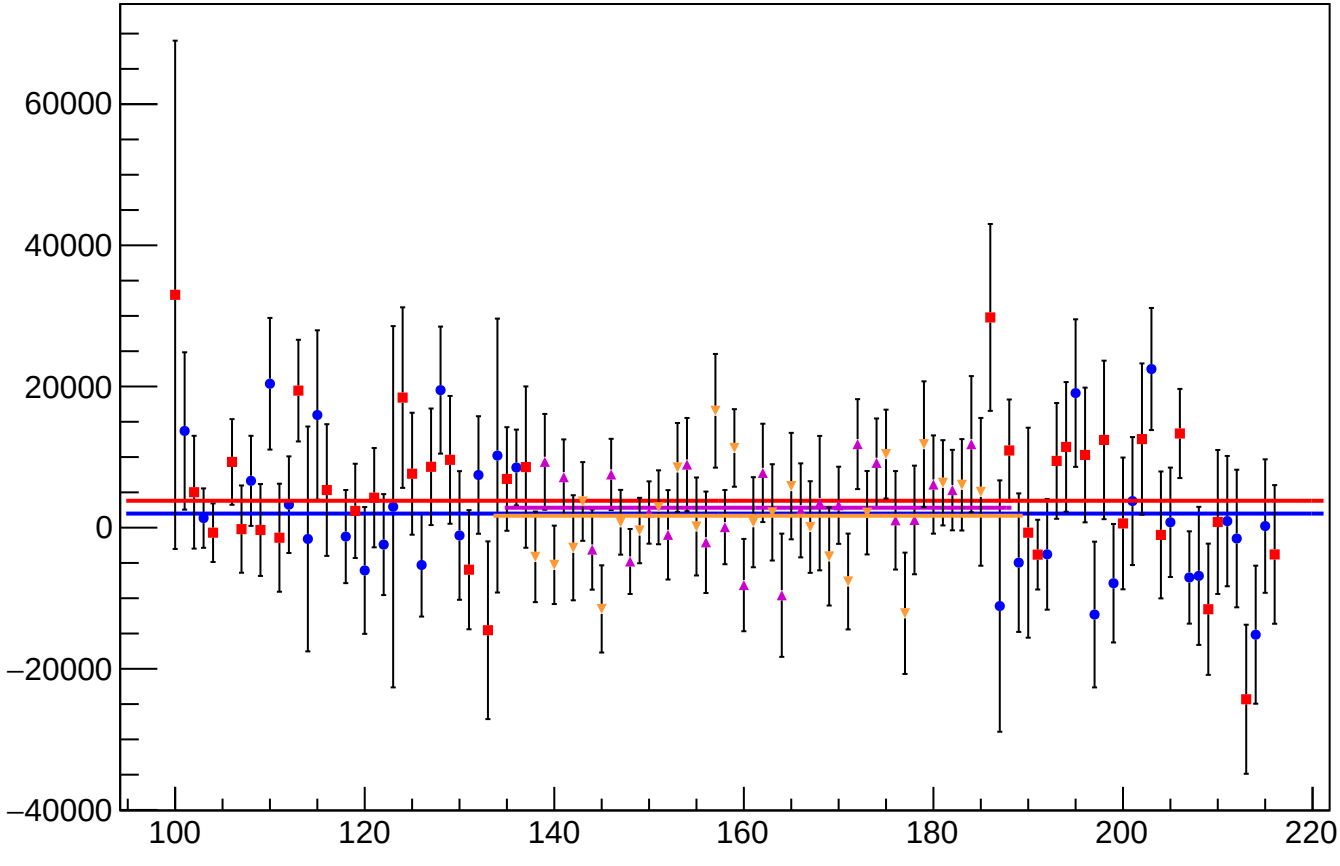
Right: 113.864+/-0.077 χ^2/NDF: 67450670.8/66

In: 5041.150+/-0.629 χ^2/NDF:5003173.9/54

Out: 121.697+/-0.077 χ^2/NDF:69195986.8/59

All: 194.454+/-0.077 χ^2/NDF: 134402947.7/

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 1992.928+/-1464.160 χ^2/NDF: 34.6/31

Left Out: 1686.531+/-1261.650 χ^2/NDF:25.4/24

Right Out: 3810.289+/-1349.783 χ^2/NDF: 38.2/34

Left In: 2824.078+/-1288.414 χ^2/NDF:18.0/22

Left: 2243.367+/-901.435 χ^2/NDF: 43.8/47

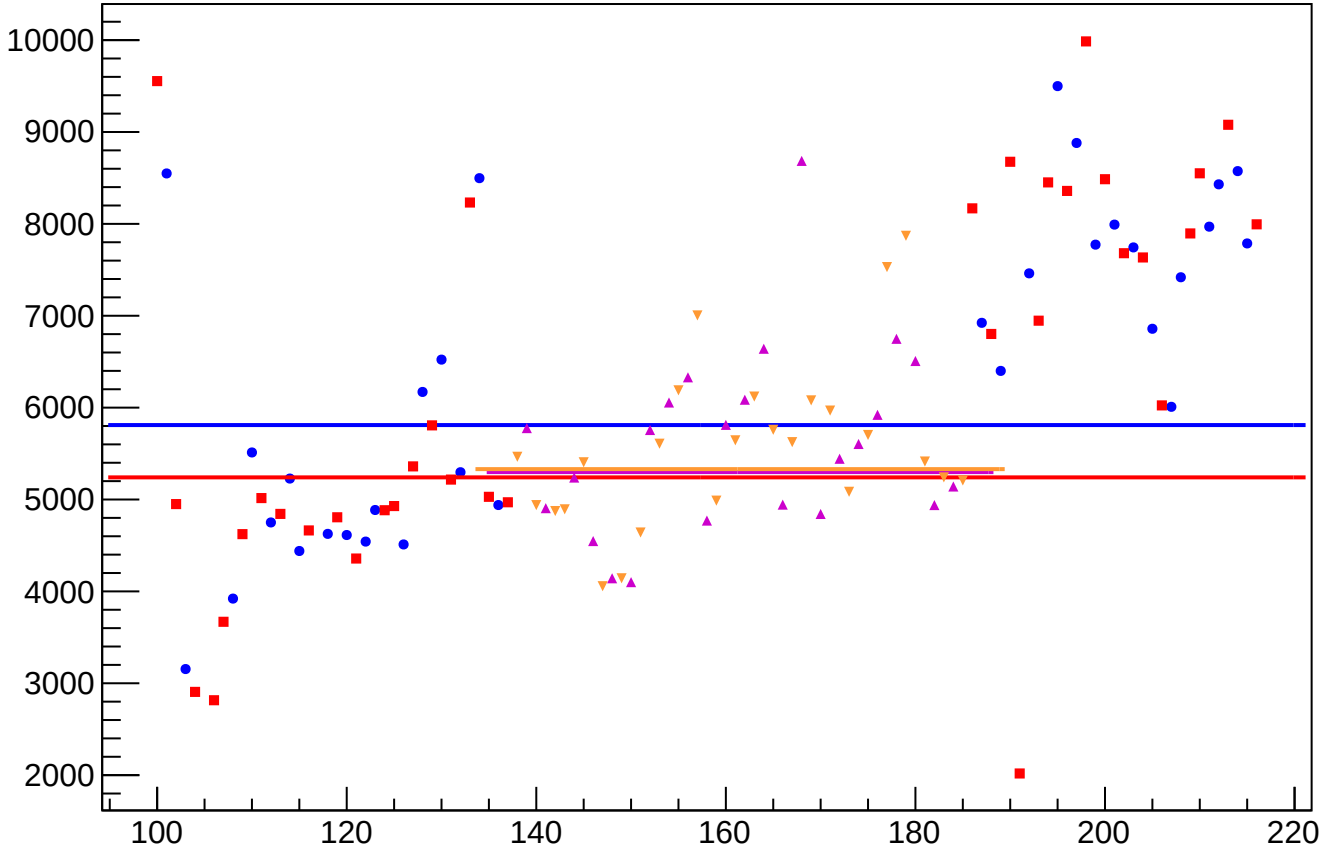
Right: 2975.356+/-992.416 χ^2/NDF: 73.6/66

In: 2461.355+/-967.245 χ^2/NDF:52.8/54

Out: 2676.818+/-921.705 χ^2/NDF:64.9/59

All: 2574.278+/-667.263 χ^2/NDF: 117.7/114

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5810.256+/-1.035 χ^2/NDF: 2961748.9/31

Left Out: 5330.725+/-0.892 χ^2/NDF:868061.7/24

Right Out: 5240.888+/-0.951 χ^2/NDF: 4723235.6/34

Left In: 5298.329+/-0.911 χ^2/NDF:956021.6/22

Left: 5314.867+/-0.637 χ^2/NDF: 1824728.8/47

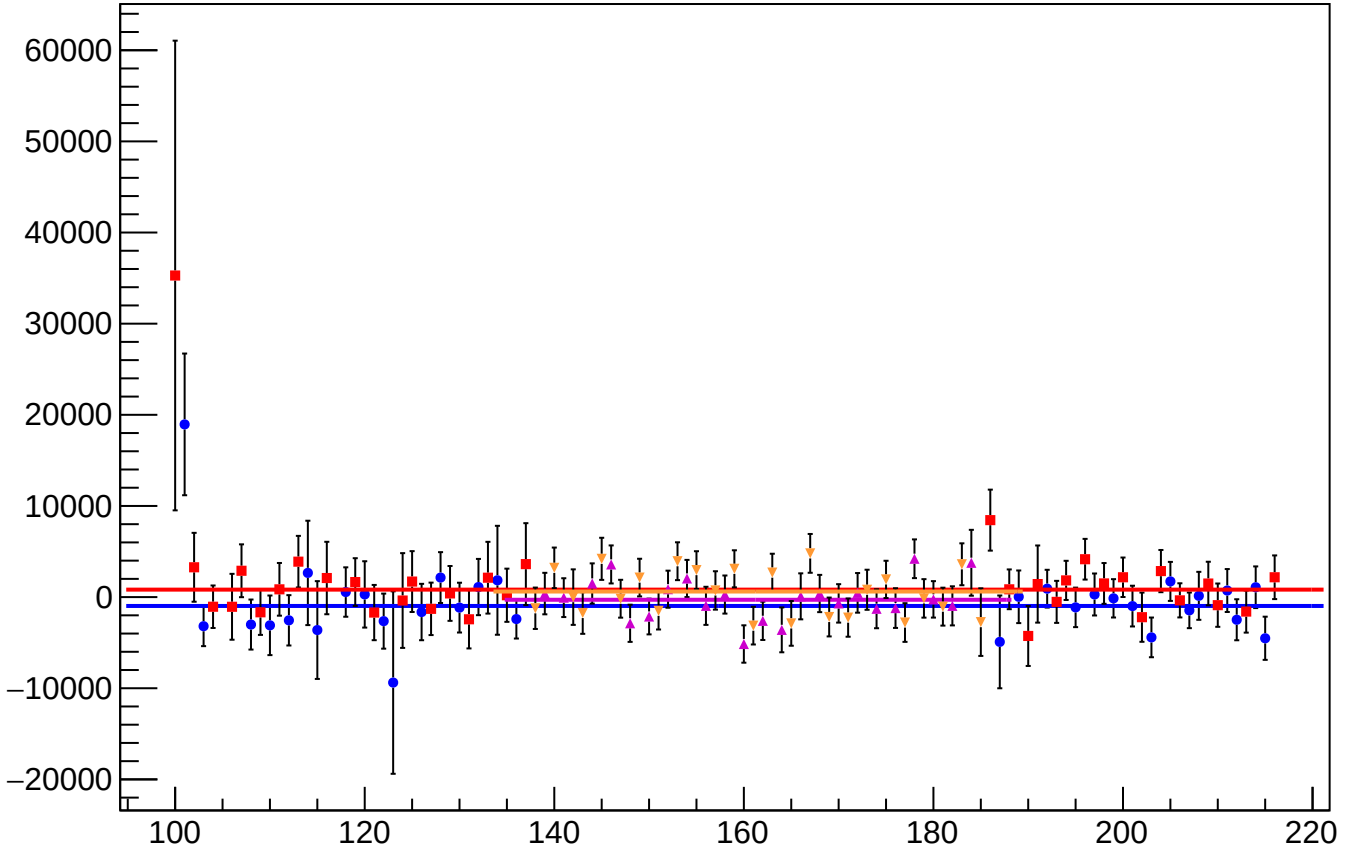
Right: 5501.463+/-0.700 χ^2/NDF: 7849010.9/66

In: 5521.740+/-0.684 χ^2/NDF:4055564.7/54

Out: 5288.676+/-0.651 χ^2/NDF:5596043.6/59

All: 5399.399+/-0.471 χ^2/NDF: 9712562.4/11

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -972.352+/-471.429 χ^2/NDF: 23.8/31

Left Out: 612.314+/-438.264 χ^2/NDF:32.7/24

Right Out: 819.669+/-463.607 χ^2/NDF: 24.3/34

Left In: -293.009+/-449.575 χ^2/NDF:23.6/22

Left: 171.185+/-313.822 χ^2/NDF: 58.4/47

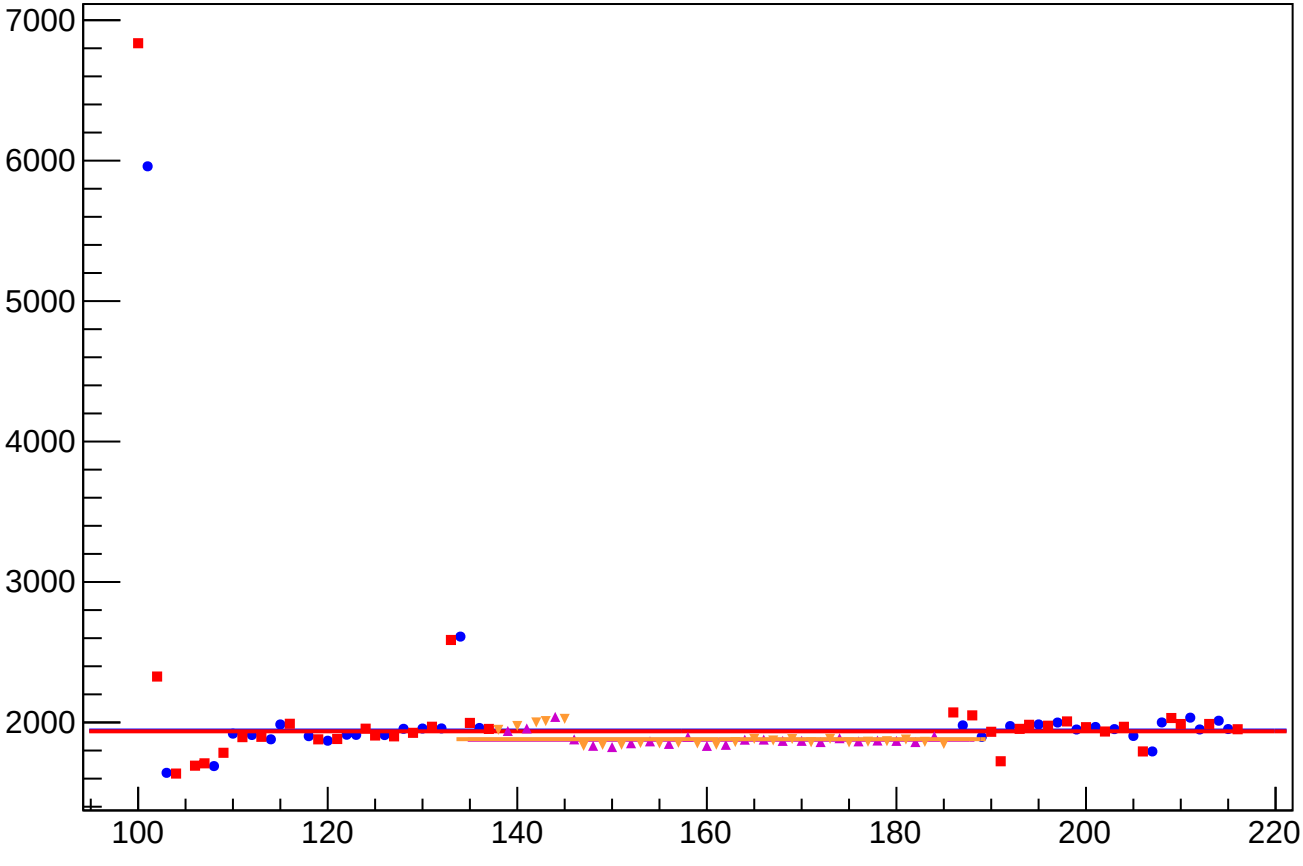
Right: -61.351+/-330.550 χ^2/NDF: 55.4/66

In: -616.570+/-325.349 χ^2/NDF:48.5/54

Out: 710.170+/-318.482 χ^2/NDF:57.1/59

All: 60.950+/-227.590 χ^2/NDF: 114.1/114

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1942.360+/-0.333 χ^2/NDF: 638321.6/31

Left Out: 1880.808+/-0.310 χ^2/NDF:28655.5/24

Right Out: 1936.775+/-0.328 χ^2/NDF: 251064.4/34

Left In: 1876.685+/-0.318 χ^2/NDF:20499.7/22

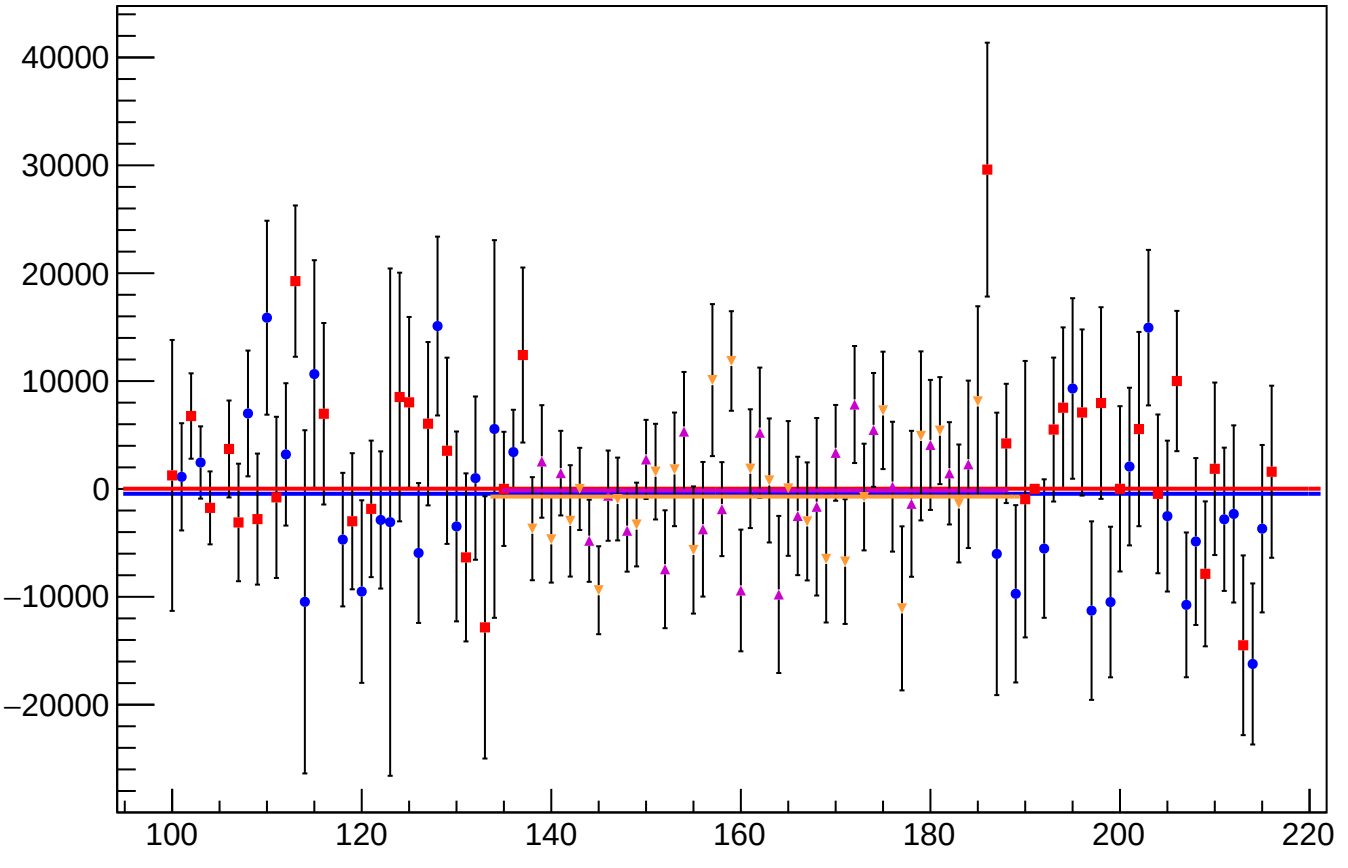
Left: 1878.799+/-0.222 χ^2/NDF: 49241.5/47

Right: 1939.518+/-0.234 χ^2/NDF: 889528.9/66

In: 1907.965+/-0.230 χ^2/NDF:679149.6/54

Out: 1907.246+/-0.225 χ^2/NDF:295126.7/59

All: 1907.598+/-0.161 χ^2/NDF: 974281.2/114



Right In: -446.378+/-1217.507 χ^2/NDF: 34.3/31

Left Out: -707.785+/-1017.719 χ^2/NDF:27.1/24

Right Out: 22.142+/-85.775 χ^2/NDF: 36.9/34

Left In: -150.495+/-1053.655 χ^2/NDF:16.9/22

Left: -438.806+/-732.011 χ^2/NDF: 44.2/47

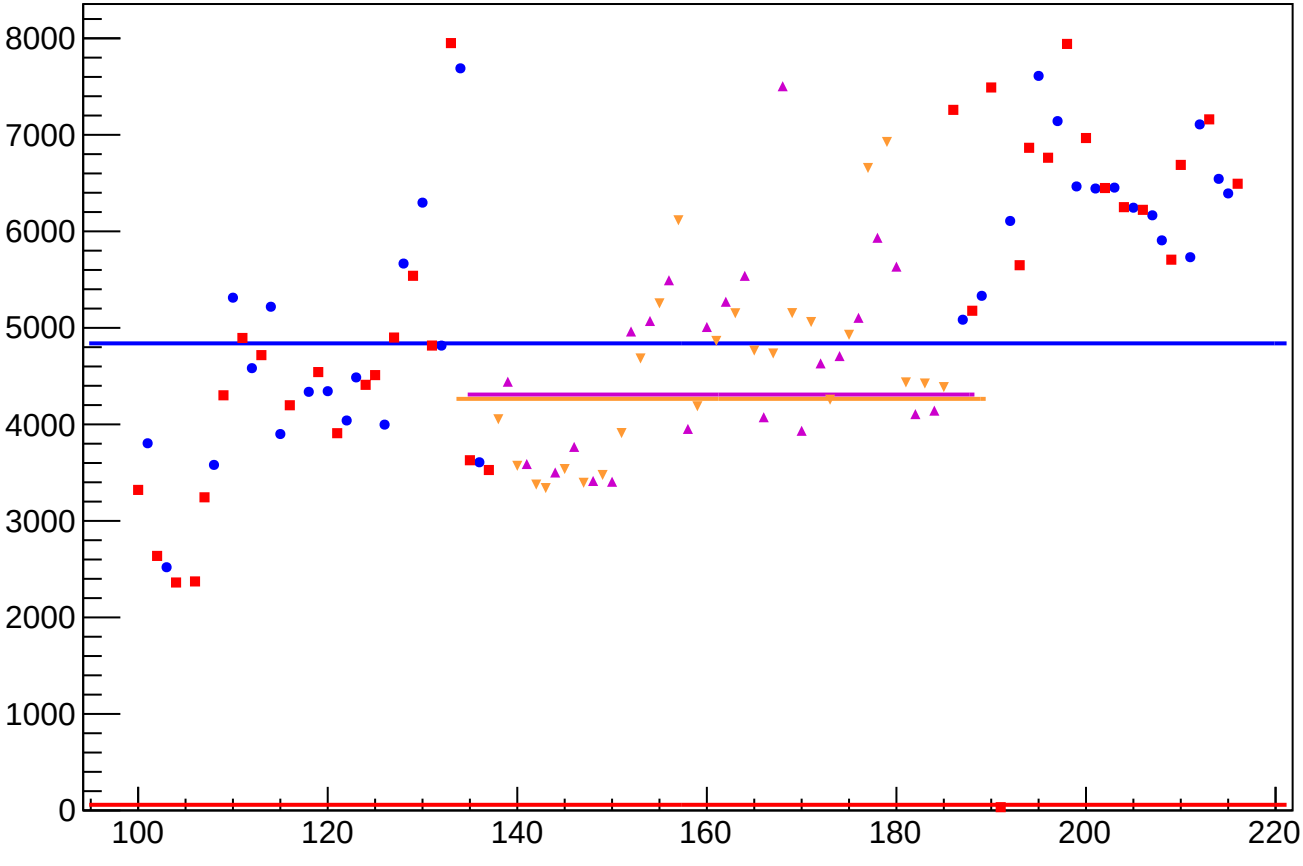
Right: 19.828+/-85.563 χ^2/NDF: 71.4/66

In: -277.201+/-796.727 χ^2/NDF:51.3/54

Out: 16.993+/-85.472 χ^2/NDF:64.6/59

All: 13.646+/-84.984 χ^2/NDF: 116.0/114

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 4839.410+/-0.861 χ^2/NDF: 2911068.2/31

Left Out: 4264.433+/-0.720 χ^2/NDF:1354900.8/24

Right Out: 58.587+/-0.061 χ^2/NDF: 34322580.7/34

Left In: 4309.034+/-0.745 χ^2/NDF:1305133.3/22

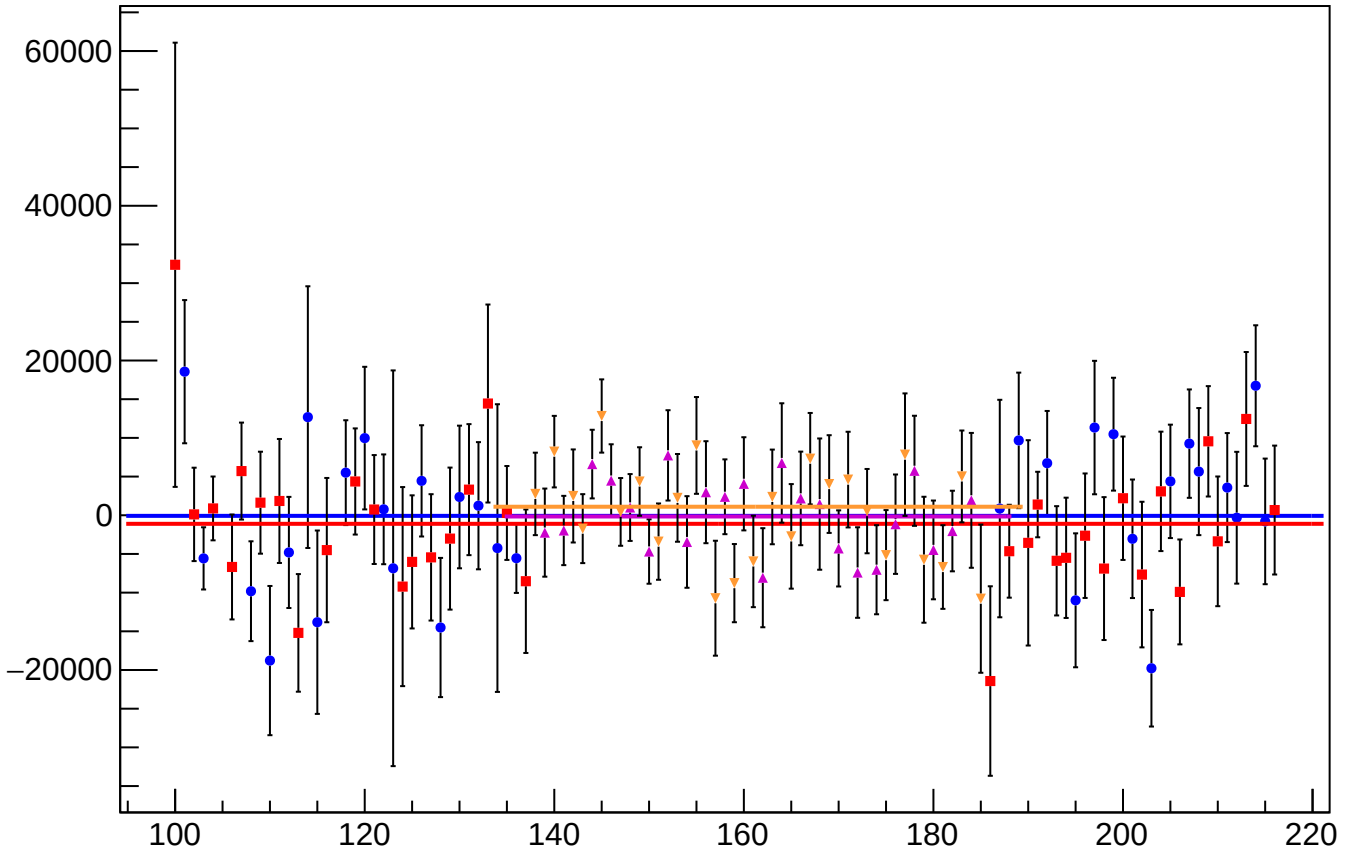
Left: 4285.960+/-0.518 χ^2/NDF: 2661888.1/47

Right: 82.199+/-0.061 χ^2/NDF: 67919778.4/66

In: 4536.156+/-0.563 χ^2/NDF:4433210.4/54

Out: 88.252+/-0.060 χ^2/NDF:69593665.7/59

All: 138.859+/-0.060 χ^2/NDF: 135651194.8/1



Right In: -77.254+/-1356.210 χ^2/NDF: 43.1/31

Left Out: 1102.204+/-1126.663 χ^2/NDF:28.6/24

Right Out: -1106.618+/-1254.235 χ^2/NDF: 23.7/34

Left In: -158.683+/-1161.507 χ^2/NDF:15.5/22

Left: 490.957+/-808.709 χ^2/NDF: 44.7/47

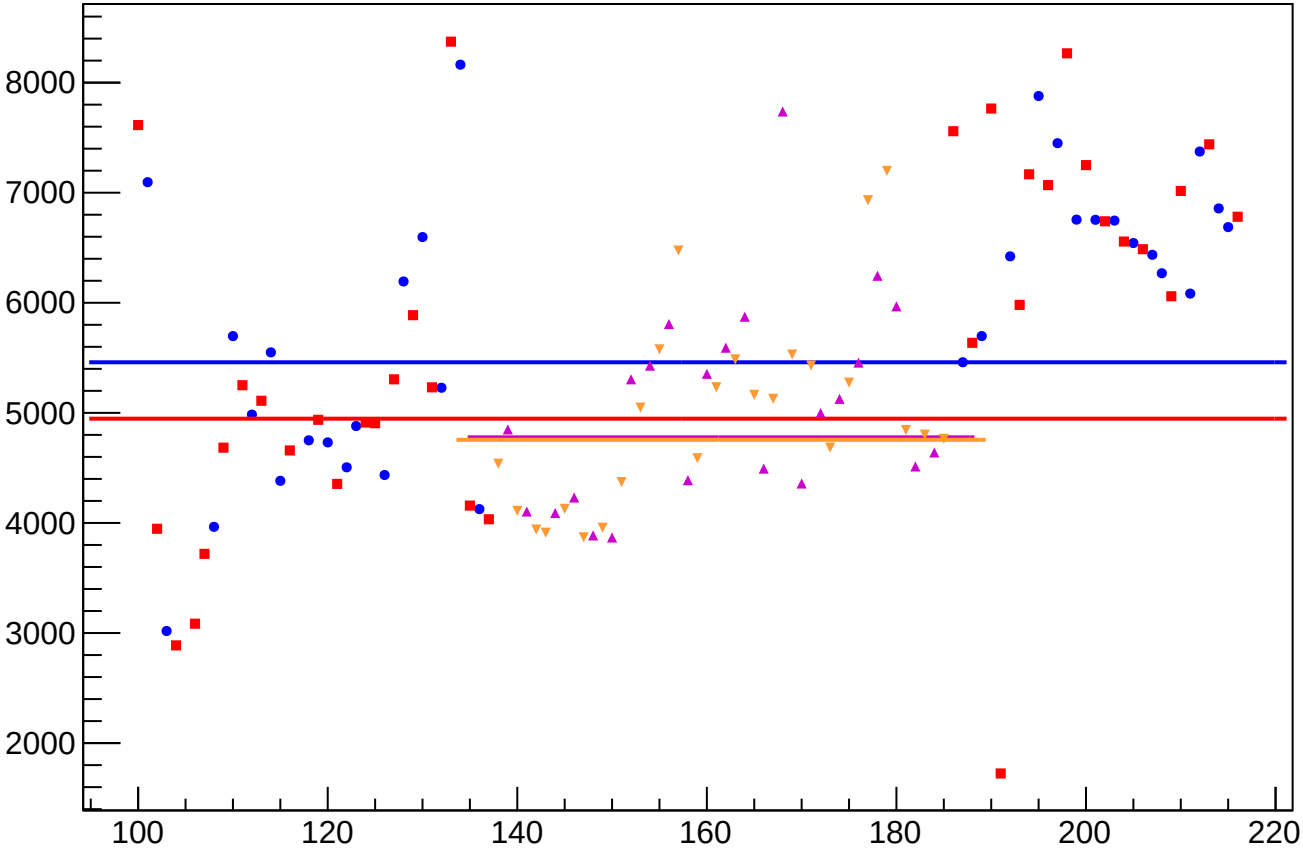
Right: -632.086+/-920.821 χ^2/NDF: 67.1/66

In: -124.228+/-882.190 χ^2/NDF:58.6/54

Out: 115.806+/-838.156 χ^2/NDF:54.0/59

All: 1.929+/-607.637 χ^2/NDF: 112.6/114

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5459.586+/-0.959 χ^2/NDF: 2122227.7/31

Left Out: 4755.383+/-0.797 χ^2/NDF:953328.0/24

Right Out: 4947.315+/-0.884 χ^2/NDF: 3905905.6/34

Left In: 4777.831+/-0.821 χ^2/NDF:950291.2/22

Left: 4766.265+/-0.572 χ^2/NDF: 1904004.1/47

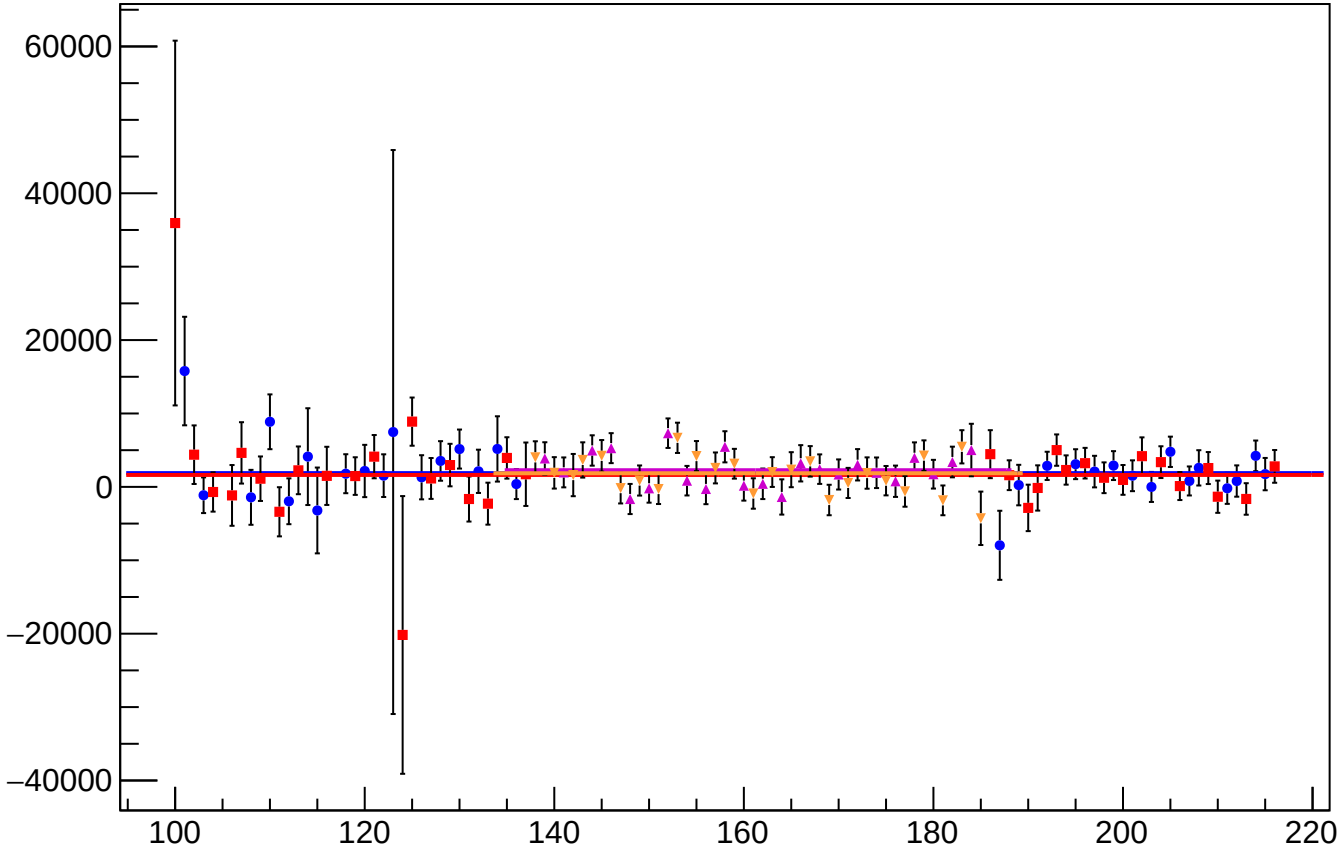
Right: 5182.688+/-0.650 χ^2/NDF: 6182372.7/66

In: 5066.300+/-0.624 χ^2/NDF:3364069.0/54

Out: 4841.386+/-0.592 χ^2/NDF:4885241.3/59

All: 4947.935+/-0.429 χ^2/NDF: 8317723.7/11

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1872.729+/-456.976 χ^2/NDF: 26.1/31

Left Out: 1856.570+/-430.977 χ^2/NDF:30.0/24

Right Out: 1627.539+/-452.417 χ^2/NDF: 30.6/34

Left In: 2268.464+/-441.710 χ^2/NDF:26.9/22

Left: 2057.452+/-308.471 χ^2/NDF: 57.3/47

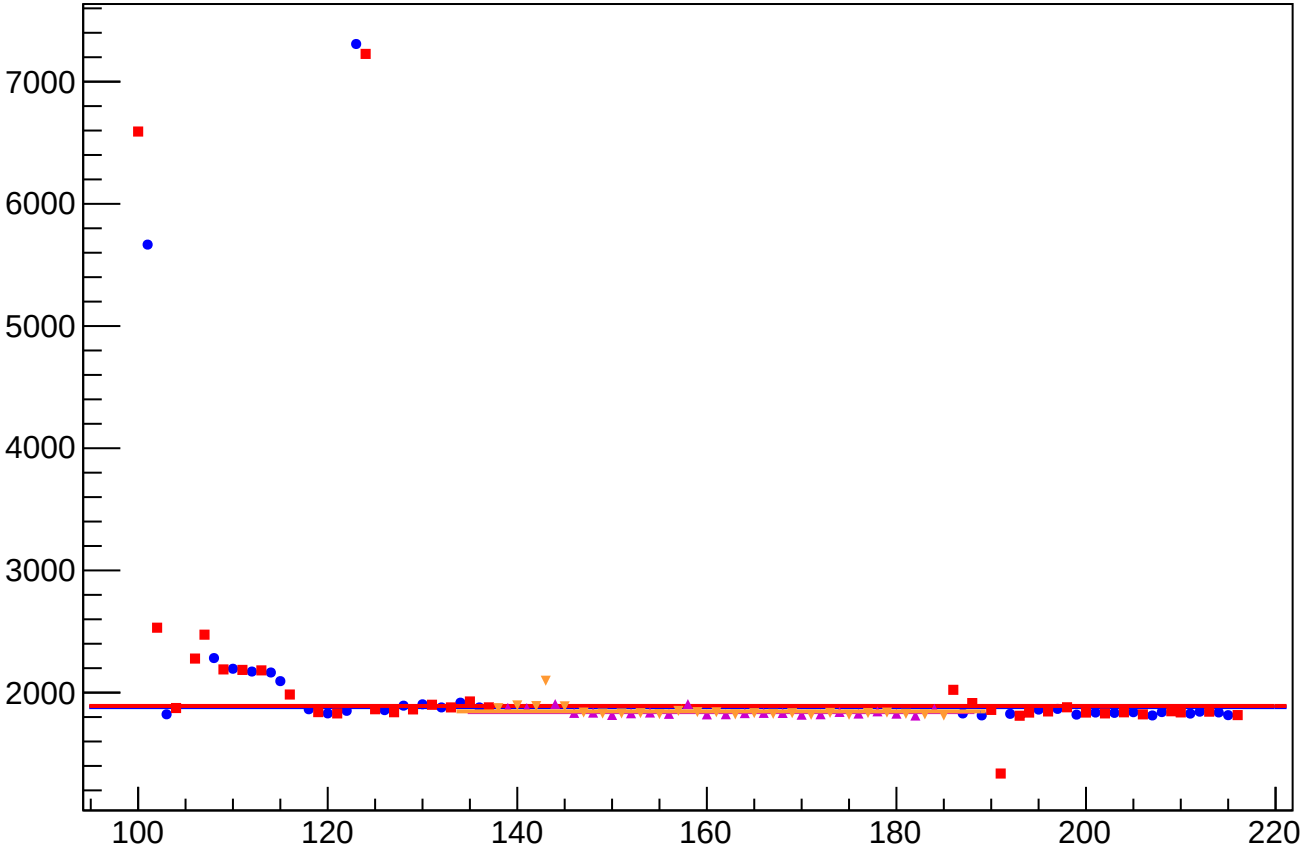
Right: 1748.905+/-321.507 χ^2/NDF: 56.9/66

In: 2077.317+/-317.596 χ^2/NDF:53.4/54

Out: 1747.610+/-312.051 χ^2/NDF:60.8/59

All: 1909.560+/-222.588 χ^2/NDF: 114.7/114

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1881.407+/-0.323 χ^2/NDF: 643190.2/31

Left Out: 1846.602+/-0.305 χ^2/NDF:27302.8/24

Right Out: 1890.868+/-0.320 χ^2/NDF: 478886.1/34

Left In: 1840.541+/-0.312 χ^2/NDF:6740.2/22

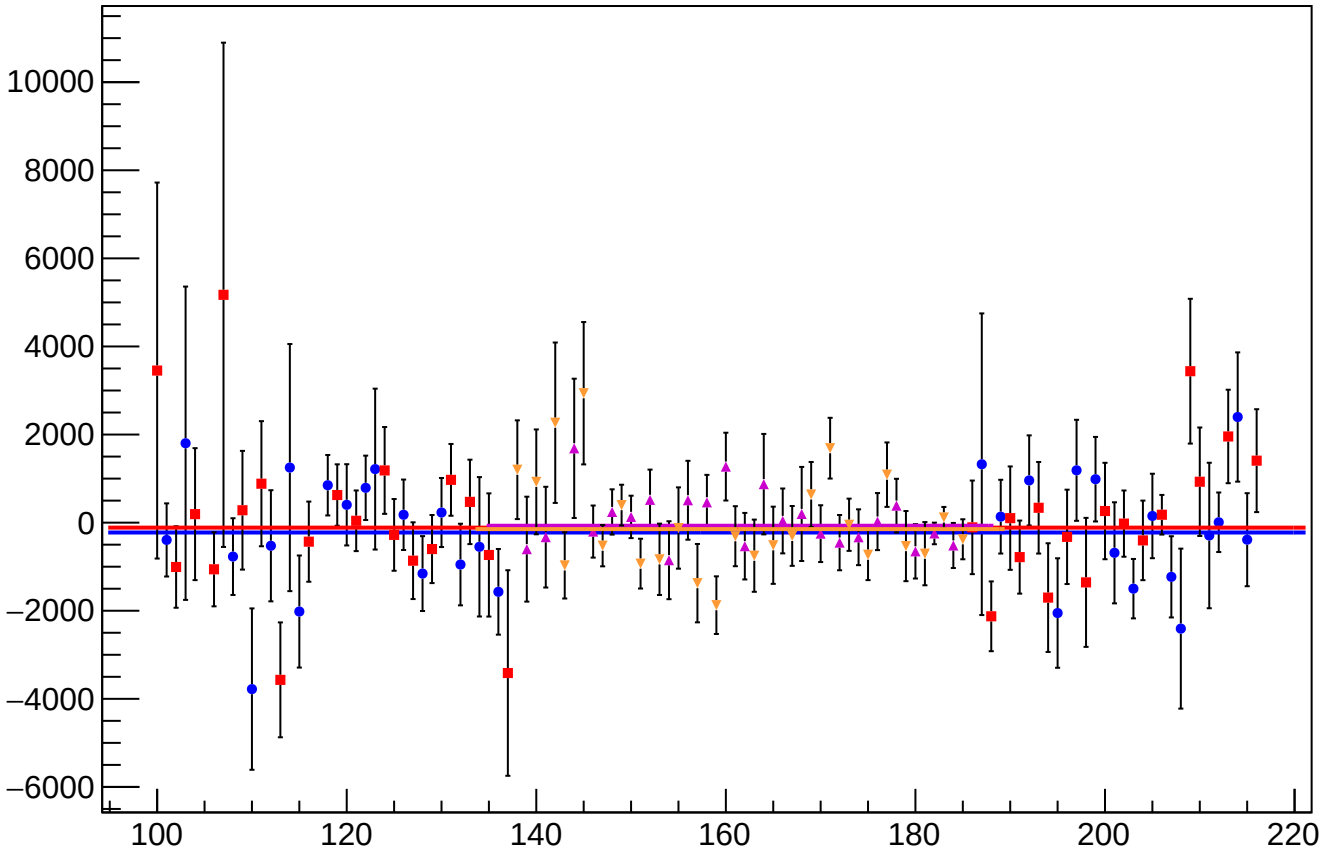
Left: 1843.646+/-0.218 χ^2/NDF: 34235.8/47

Right: 1886.185+/-0.227 χ^2/NDF: 1122509.2/66

In: 1860.280+/-0.225 χ^2/NDF:658198.9/54

Out: 1867.661+/-0.221 χ^2/NDF:516226.5/59

All: 1864.036+/-0.157 χ^2/NDF: 1174974.9/11



Right In: -223.909+/-177.921 χ^2/NDF: 33.5/31

Left Out: -146.999+/-121.984 χ^2/NDF:37.7/24

Right Out: -113.093+/-162.354 χ^2/NDF: 41.2/34

Left In: -70.340+/-126.373 χ^2/NDF:12.3/22

Left: -110.024+/-87.766 χ^2/NDF: 50.1/47

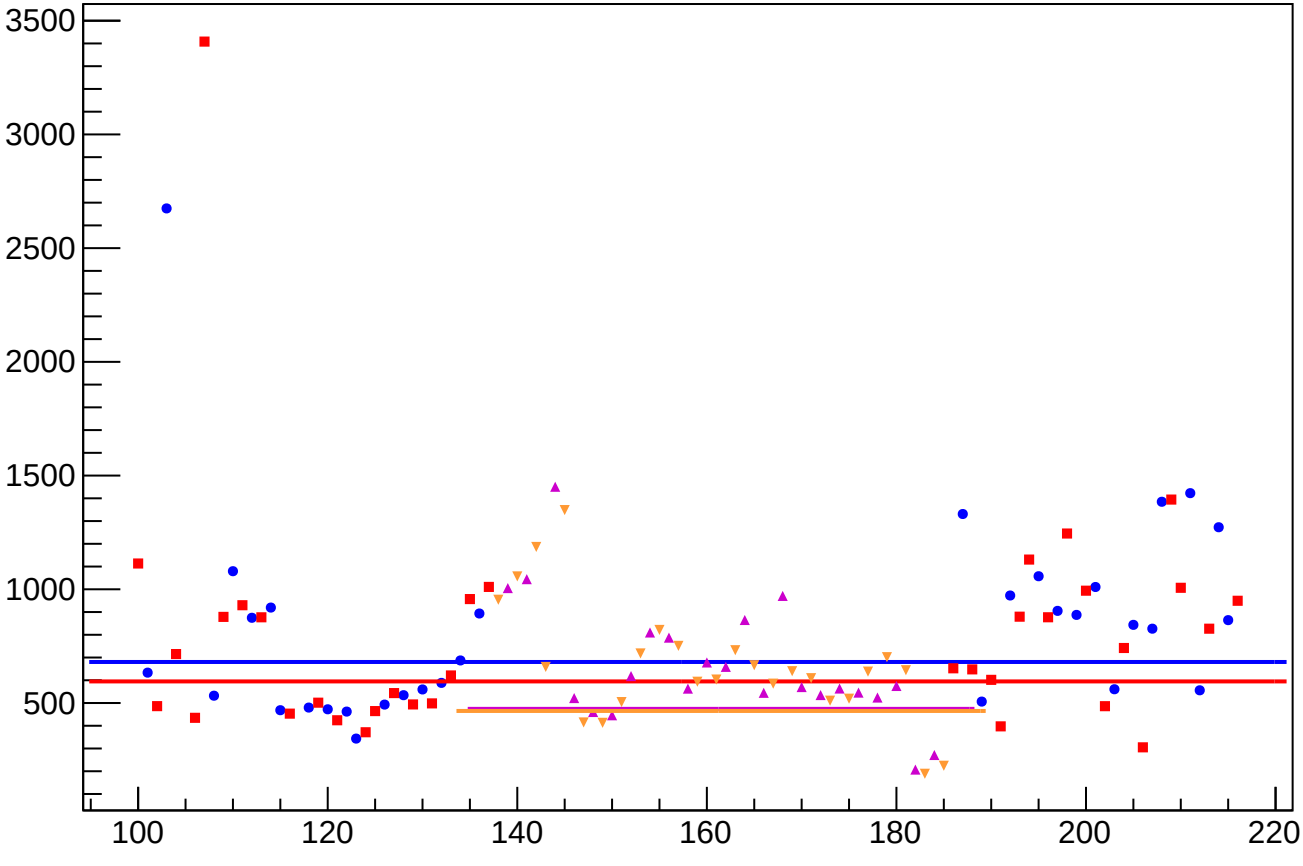
Right: -163.442+/-119.928 χ^2/NDF: 75.0/66

In: -121.836+/-103.029 χ^2/NDF:46.3/54

Out: -134.765+/-97.524 χ^2/NDF:78.9/59

All: -128.655+/-70.826 χ^2/NDF: 125.3/114

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 680.422+/-0.126 χ^2/NDF: 3928515.1/31

Left Out: 465.080+/-0.086 χ^2/NDF:7086137.6/24

Right Out: 594.956+/-0.115 χ^2/NDF: 4903543.0/34

Left In: 474.263+/-0.089 χ^2/NDF:6173100.1/22

Left: 469.509+/-0.062 χ^2/NDF: 13264703.6/47

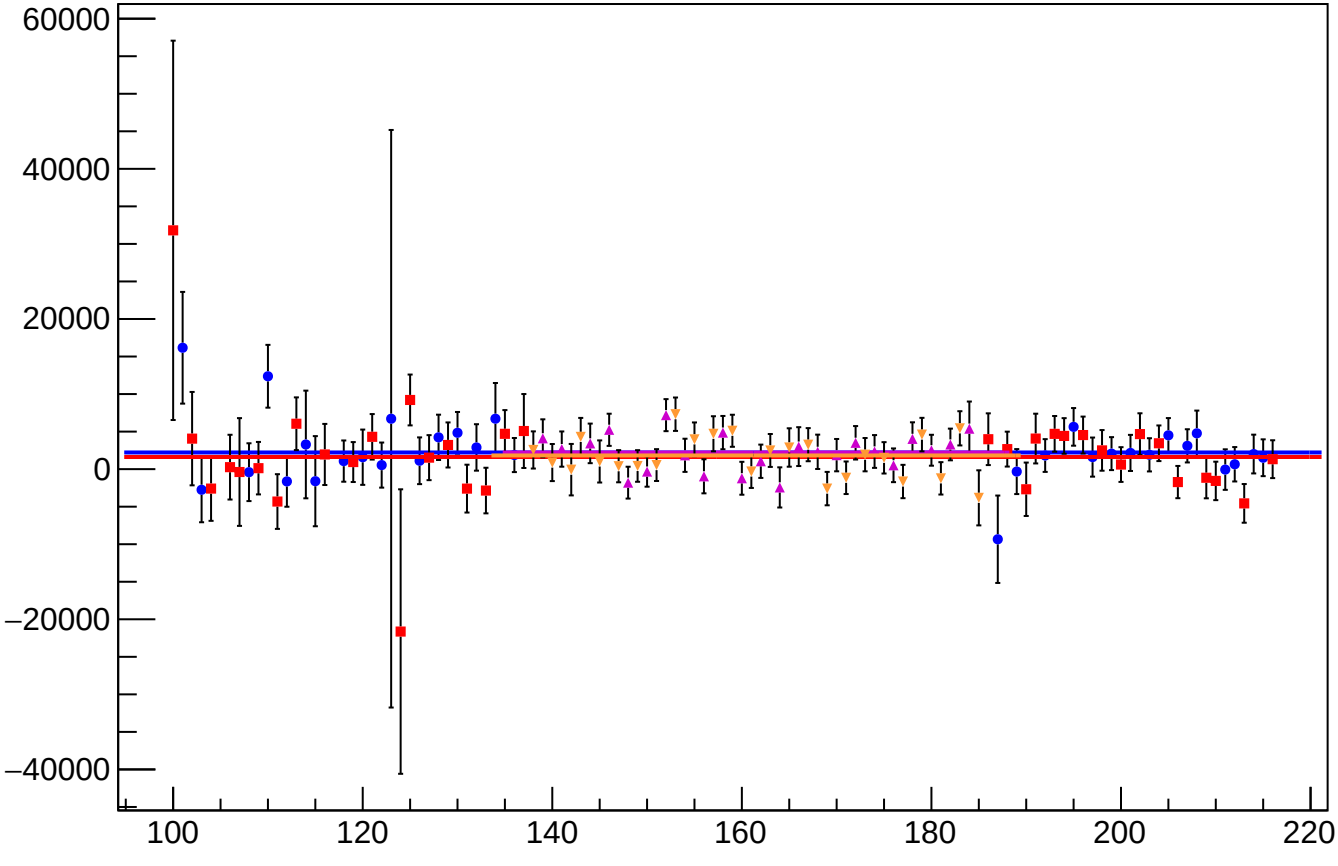
Right: 633.788+/-0.085 χ^2/NDF: 9083870.3/66

In: 543.393+/-0.073 χ^2/NDF:11886428.6/54

Out: 511.943+/-0.069 χ^2/NDF:12807732.2/59

All: 526.805+/-0.050 χ^2/NDF: 24792451.0/11

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2220.032+/-518.160 χ^2/NDF: 25.6/31

Left Out: 1824.066+/-462.694 χ^2/NDF:32.1/24

Right Out: 1617.994+/-515.311 χ^2/NDF: 40.2/34

Left In: 2208.114+/-474.050 χ^2/NDF:25.3/22

Left: 2011.435+/-331.116 χ^2/NDF: 57.8/47

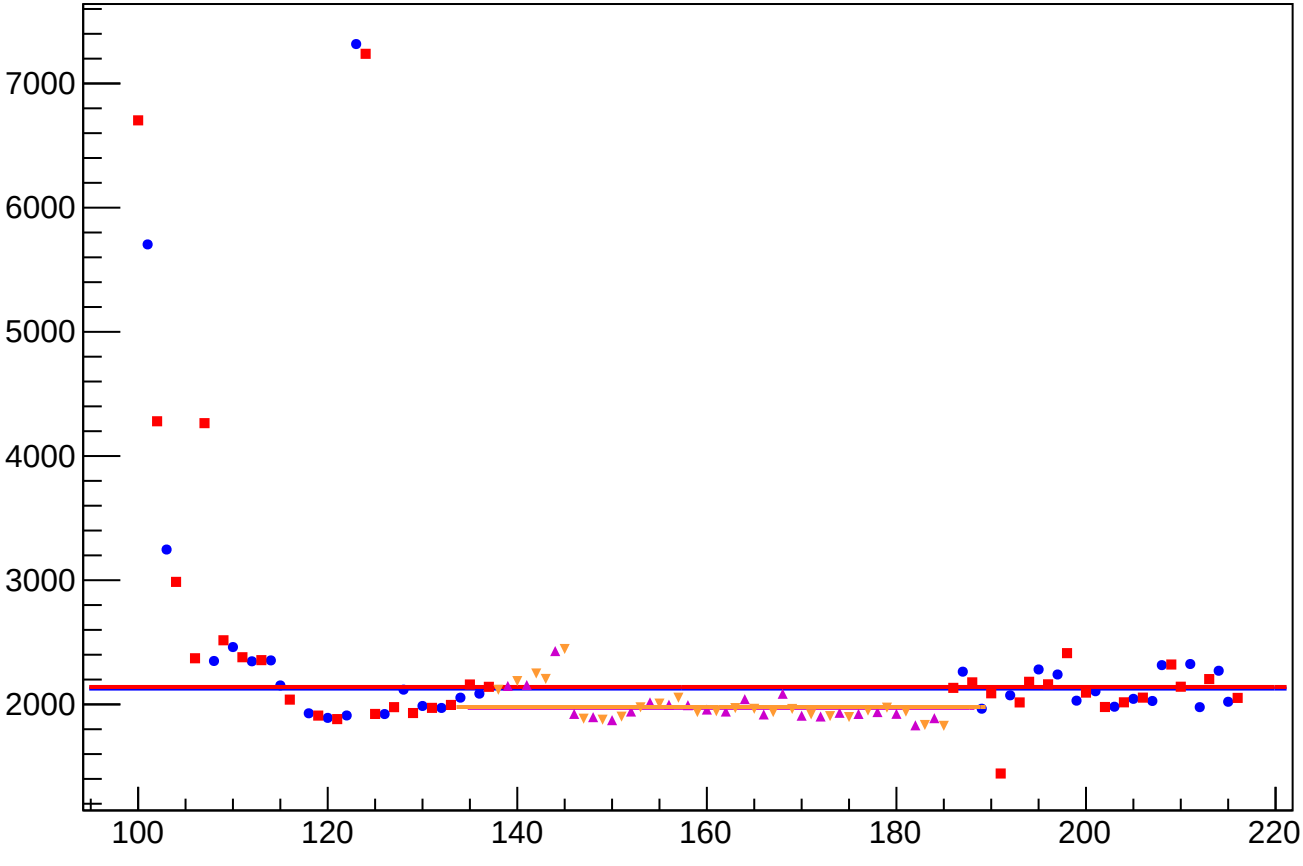
Right: 1917.353+/-365.383 χ^2/NDF: 66.5/66

In: 2213.544+/-349.761 χ^2/NDF:51.0/54

Out: 1732.085+/-344.278 χ^2/NDF:72.4/59

All: 1969.011+/-245.357 χ^2/NDF: 124.4/114

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2127.368+/-0.366 χ^2/NDF: 787704.8/31

Left Out: 1978.997+/-0.327 χ^2/NDF:139299.8/24

Right Out: 2140.318+/-0.364 χ^2/NDF: 954176.5/34

Left In: 1972.166+/-0.335 χ^2/NDF:116452.5/22

Left: 1975.665+/-0.234 χ^2/NDF: 255965.0/47

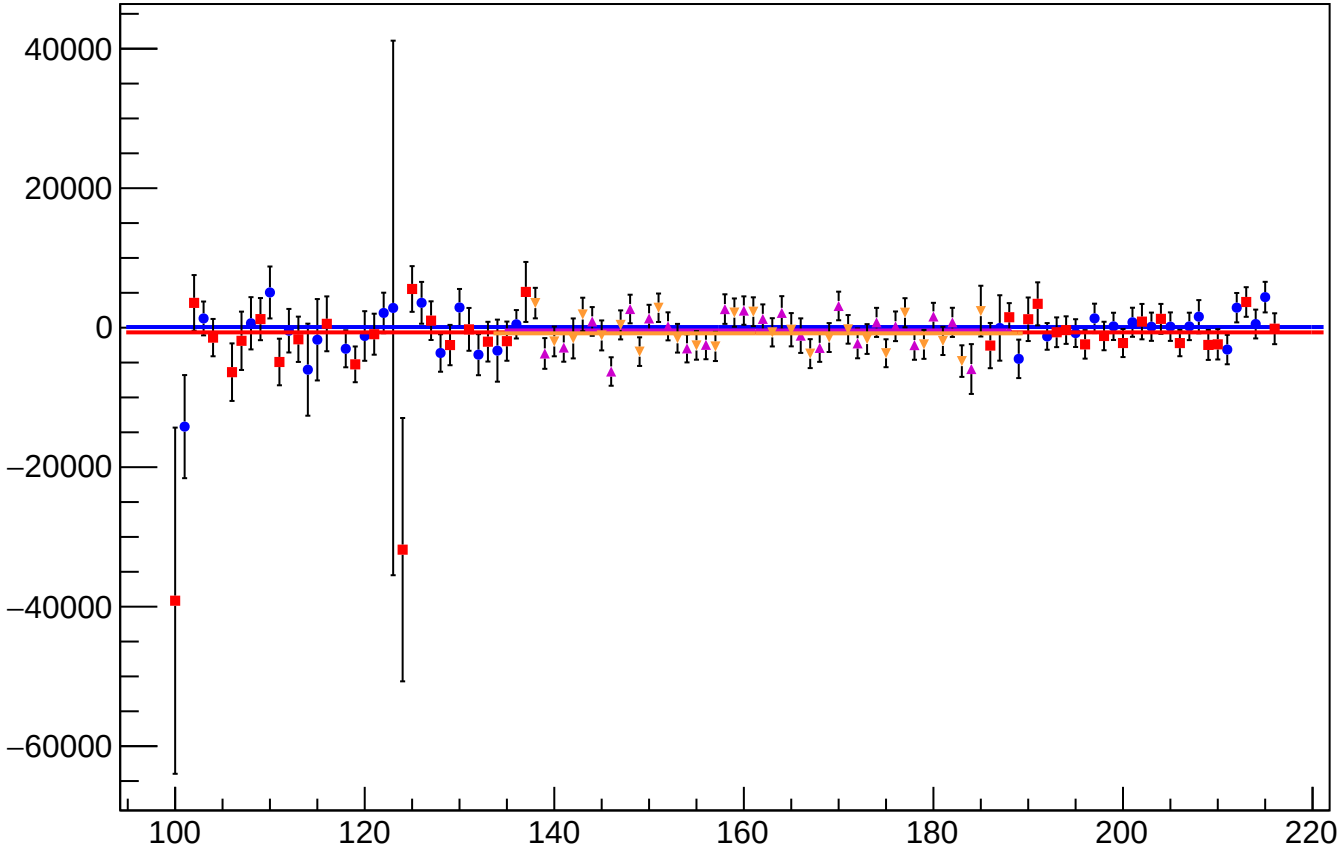
Right: 2133.879+/-0.258 χ^2/NDF: 1742509.4/66

In: 2042.881+/-0.247 χ^2/NDF:1001833.5/54

Out: 2051.004+/-0.243 χ^2/NDF:1201995.2/59

All: 2047.007+/-0.173 χ^2/NDF: 2204376.6/11

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 94.265+/-453.778 χ^2/NDF: 27.8/31

Left Out: -808.436+/-430.304 χ^2/NDF:27.9/24

Right Out: -672.261+/-448.980 χ^2/NDF: 32.8/34

Left In: -398.797+/-441.246 χ^2/NDF:34.4/22

Left: -608.759+/-308.066 χ^2/NDF: 62.8/47

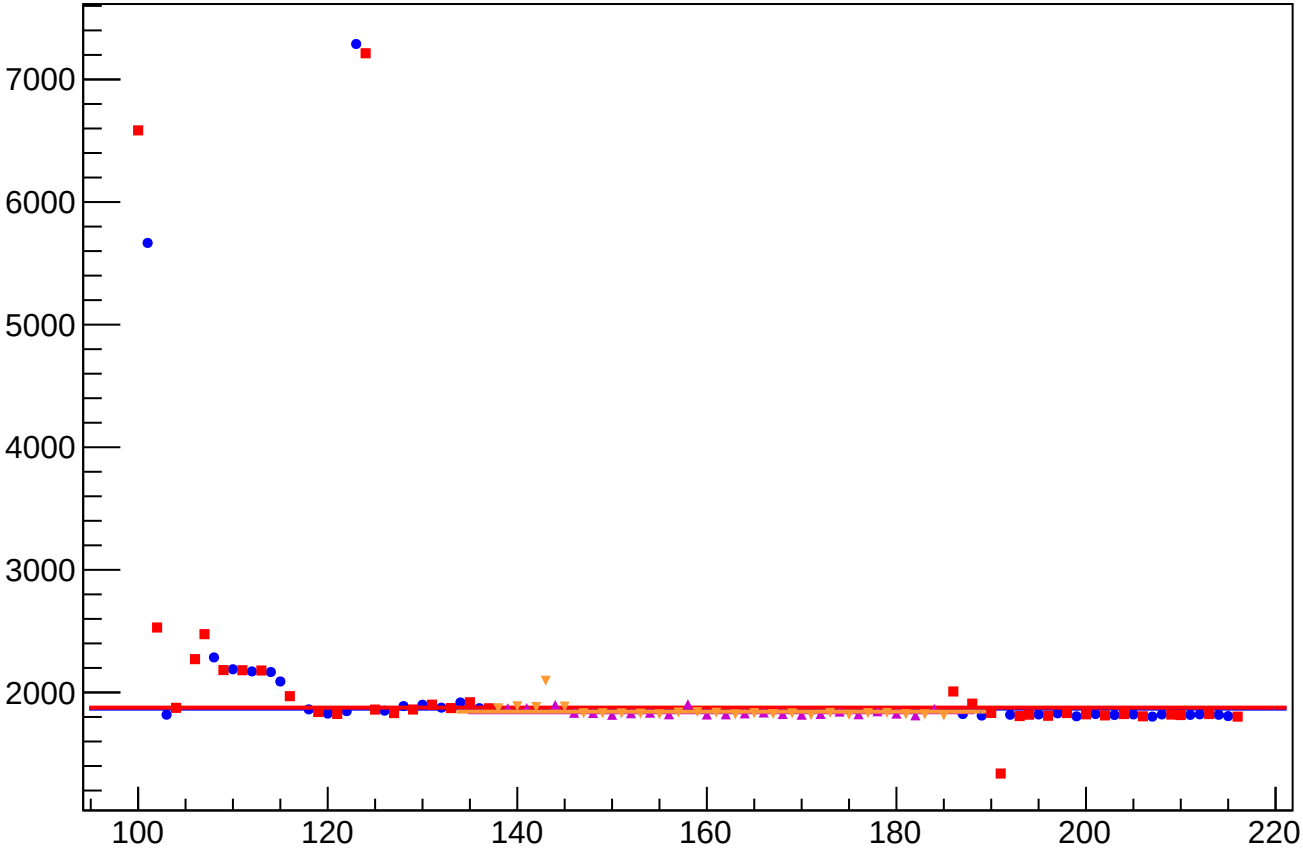
Right: -293.072+/-319.160 χ^2/NDF: 62.0/66

In: -159.169+/-316.346 χ^2/NDF:62.8/54

Out: -743.240+/-310.663 χ^2/NDF:60.8/59

All: -456.497+/-221.654 χ^2/NDF: 125.3/114

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1867.995+/-0.321 χ^2/NDF: 653135.2/31

Left Out: 1843.747+/-0.304 χ^2/NDF:26867.4/24

Right Out: 1876.302+/-0.317 χ^2/NDF: 487777.4/34

Left In: 1838.611+/-0.312 χ^2/NDF:6335.1/22

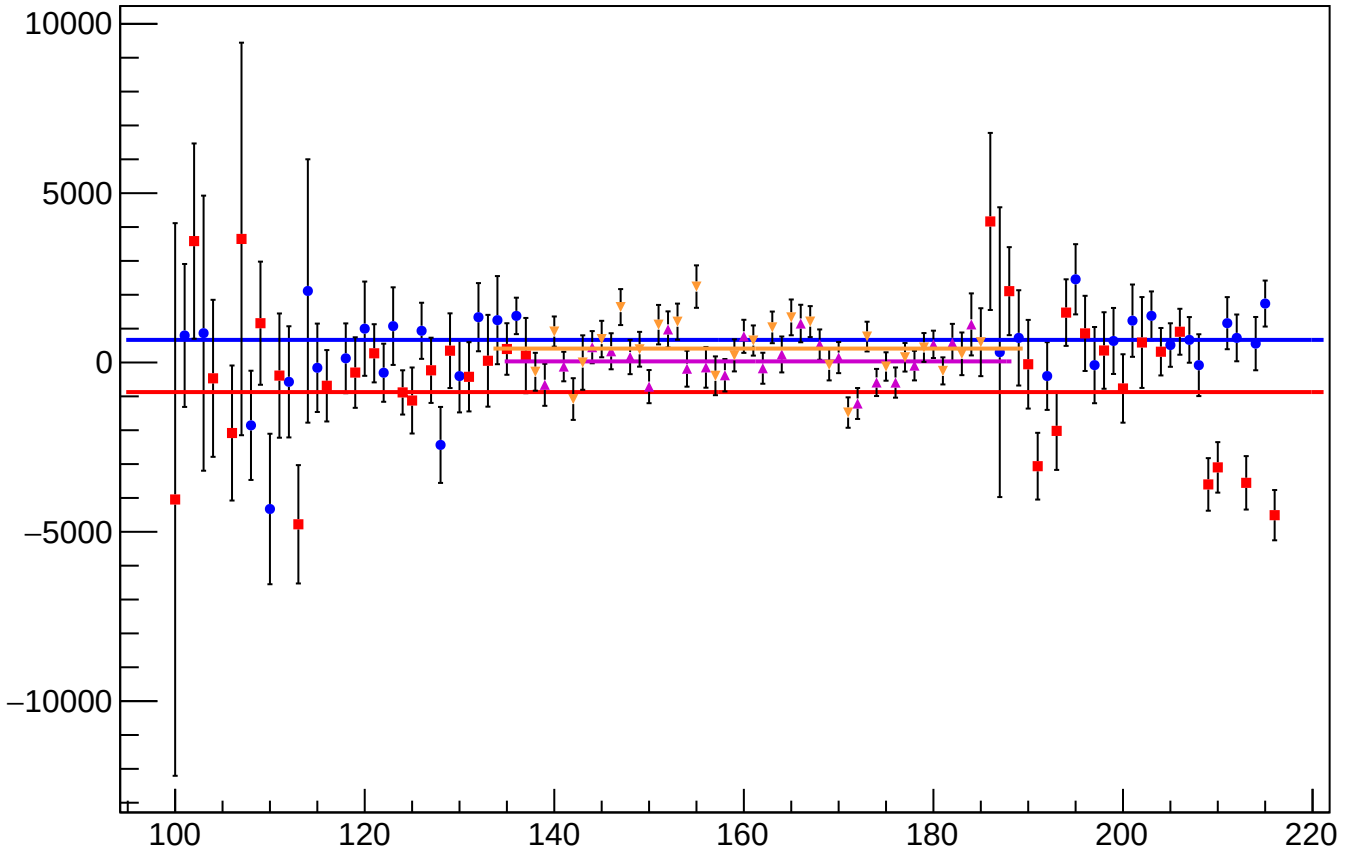
Left: 1841.243+/-0.218 χ^2/NDF: 33341.4/47

Right: 1872.193+/-0.226 χ^2/NDF: 1141251.4/66

In: 1852.891+/-0.224 χ^2/NDF:663780.6/54

Out: 1859.333+/-0.220 χ^2/NDF:520125.8/59

All: 1856.171+/-0.157 χ^2/NDF: 1184328.7/11



Right In: 667.564+/-171.131 χ^2/NDF: 30.9/31

Left Out: 411.072+/-100.456 χ^2/NDF:61.2/24

Right Out: -873.617+/-175.688 χ^2/NDF: 110.5/34

Left In: 32.456+/-102.403 χ^2/NDF:32.7/22

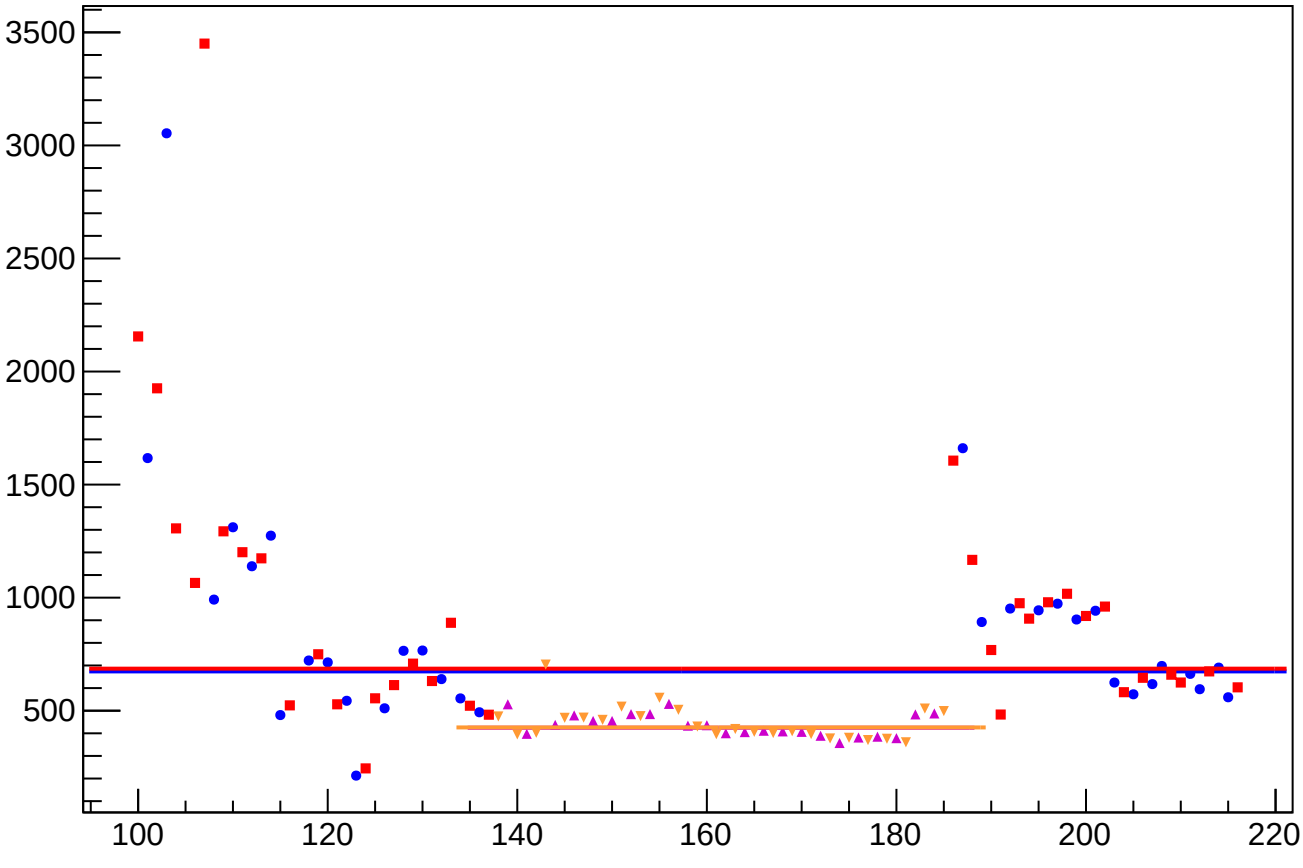
Left: 225.398+/-71.712 χ^2/NDF: 100.9/47

Right: -82.781+/-122.587 χ^2/NDF: 180.9/66

In: 199.910+/-87.872 χ^2/NDF:73.8/54

Out: 94.542+/-87.207 χ^2/NDF:211.9/59

All: 146.825+/-61.899 χ^2/NDF: 286.5/114



Right In: 673.796+/-0.121 χ^2/NDF: 3287805.0/31

Left Out: 426.027+/-0.071 χ^2/NDF:733072.9/24

Right Out: 685.940+/-0.124 χ^2/NDF: 4370196.1/34

Left In: 424.639+/-0.072 χ^2/NDF:391611.2/22

Left: 425.346+/-0.051 χ^2/NDF: 1124871.5/47

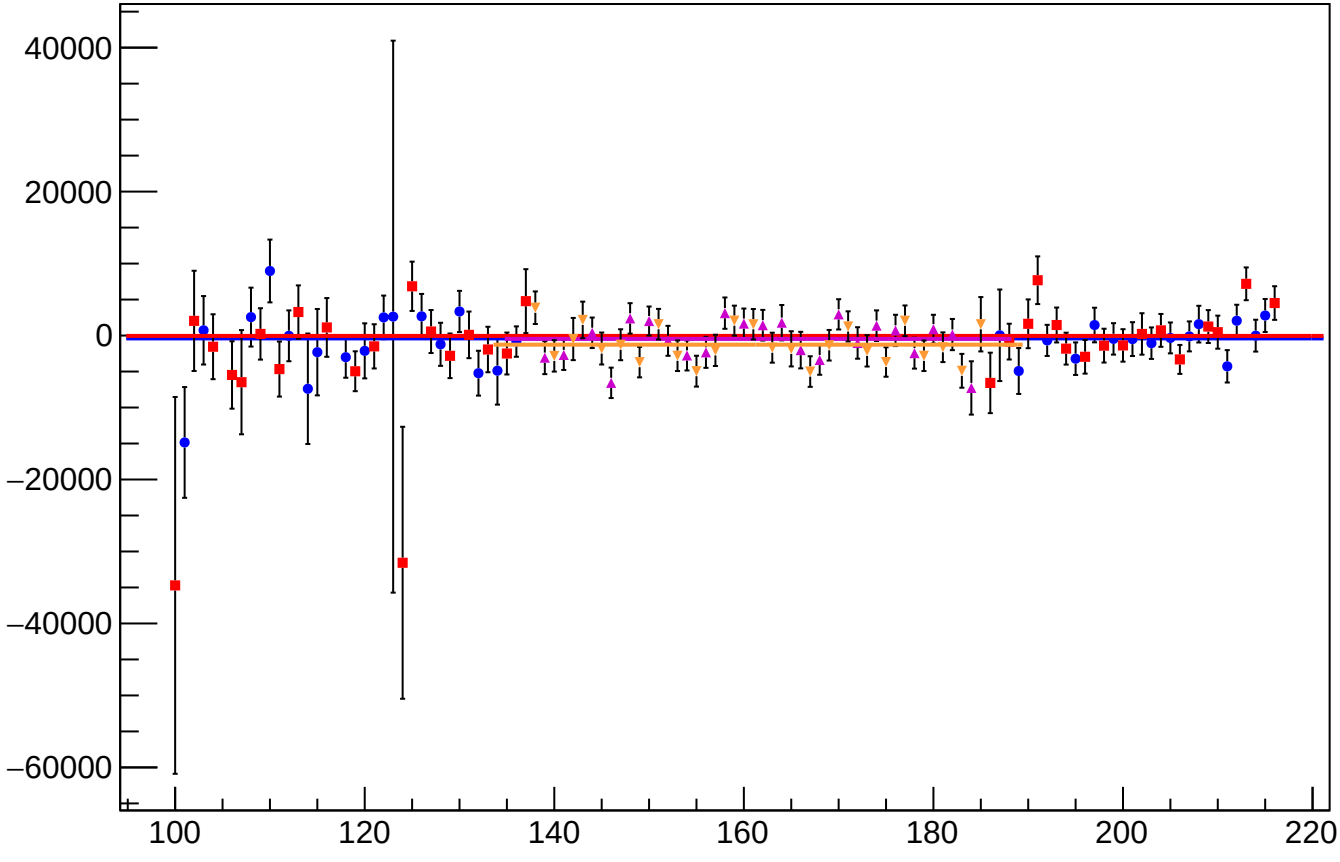
Right: 679.708+/-0.087 χ^2/NDF: 7662904.9/66

In: 490.332+/-0.062 χ^2/NDF:6801153.7/54

Out: 490.066+/-0.062 χ^2/NDF:8402021.2/59

All: 490.198+/-0.044 χ^2/NDF: 15203184.1/11

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -397.949+/-499.431 χ^2/NDF: 28.8/31

Left Out: -1267.885+/-443.219 χ^2/NDF:30.8/24

Right Out: -49.779+/-502.019 χ^2/NDF: 48.2/34

Left In: -462.599+/-453.947 χ^2/NDF:32.6/22

Left: -874.870+/-317.128 χ^2/NDF: 65.0/47

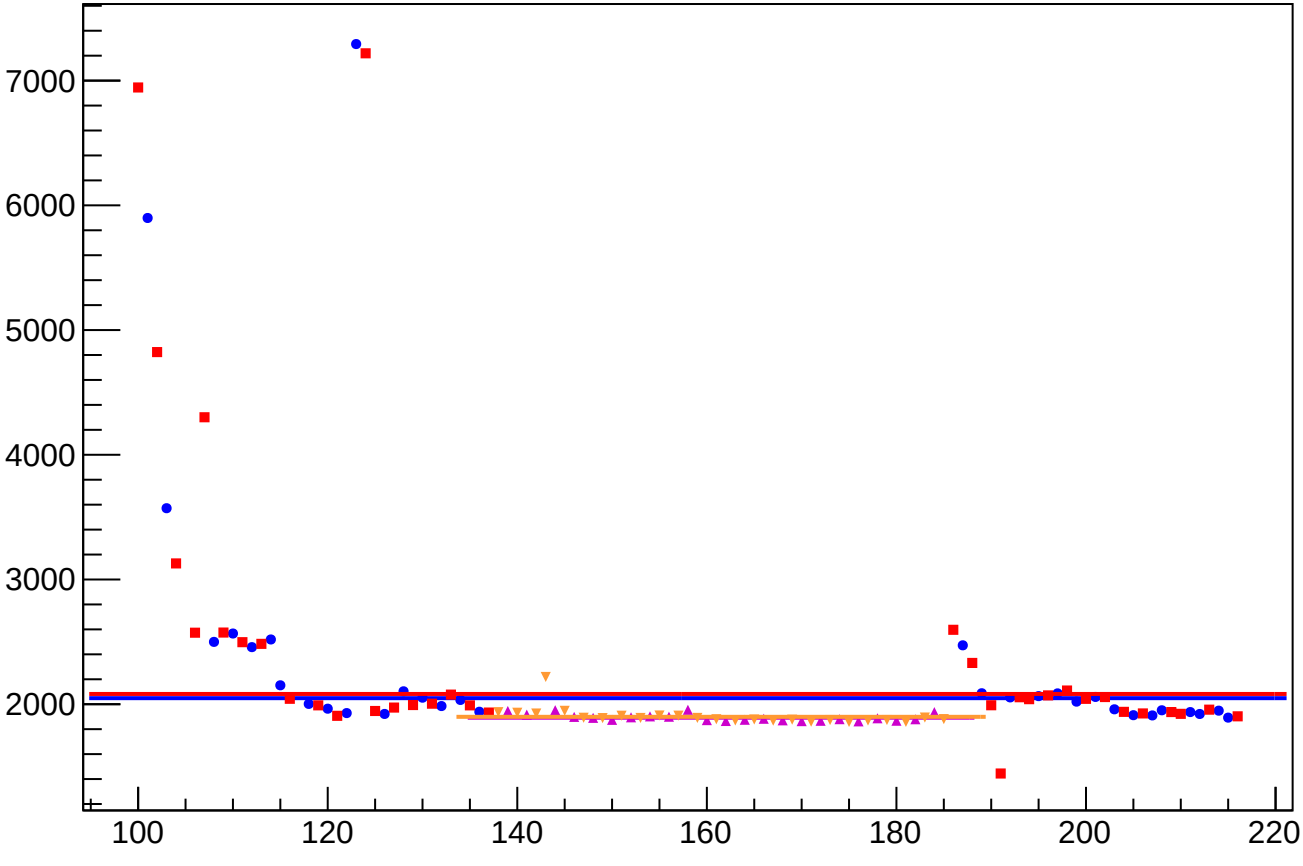
Right: -224.764+/-354.062 χ^2/NDF: 77.2/66

In: -433.351+/-335.921 χ^2/NDF:61.4/54

Out: -734.314+/-332.256 χ^2/NDF:82.3/59

All: -585.483+/-236.226 χ^2/NDF: 144.1/114

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2048.481+/-0.353 χ^2/NDF: 903829.8/31

Left Out: 1898.962+/-0.313 χ^2/NDF:38680.4/24

Right Out: 2082.241+/-0.355 χ^2/NDF: 1134797.2/34

Left In: 1891.693+/-0.321 χ^2/NDF:7420.7/22

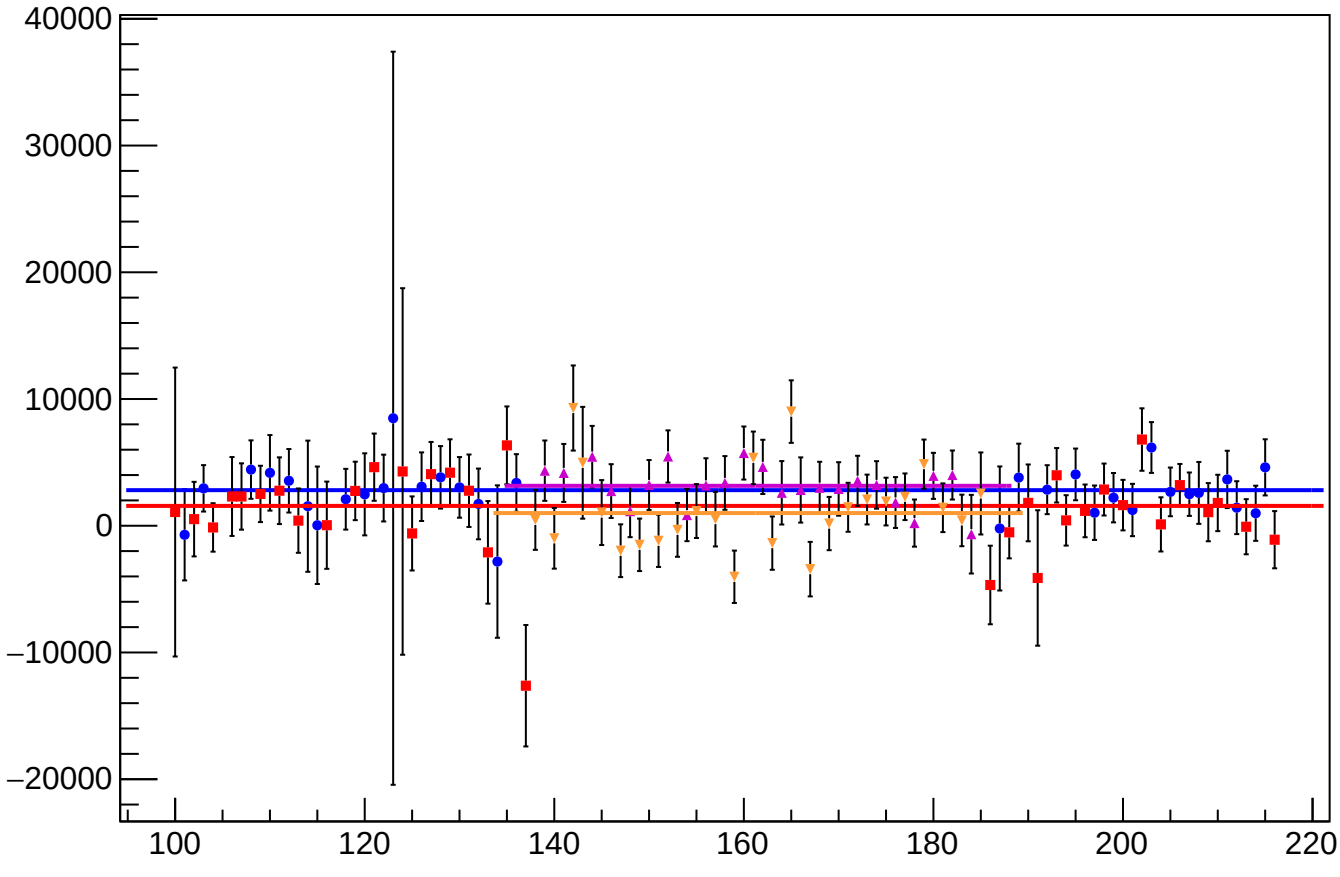
Left: 1895.414+/-0.224 χ^2/NDF: 46363.6/47

Right: 2065.274+/-0.250 χ^2/NDF: 2043172.5/66

In: 1962.624+/-0.238 χ^2/NDF:1019187.8/54

Out: 1979.244+/-0.235 χ^2/NDF:1323282.8/59

All: 1971.025+/-0.167 χ^2/NDF: 2344945.4/11



Right In: 2807.948+/-429.012 χ^2/NDF: 10.7/31

Left Out: 1001.263+/-435.247 χ^2/NDF:44.6/24

Right Out: 1566.493+/-425.089 χ^2/NDF: 34.4/34

Left In: 3150.437+/-441.145 χ^2/NDF:11.8/22

Left: 2061.387+/-309.830 χ^2/NDF: 68.5/47

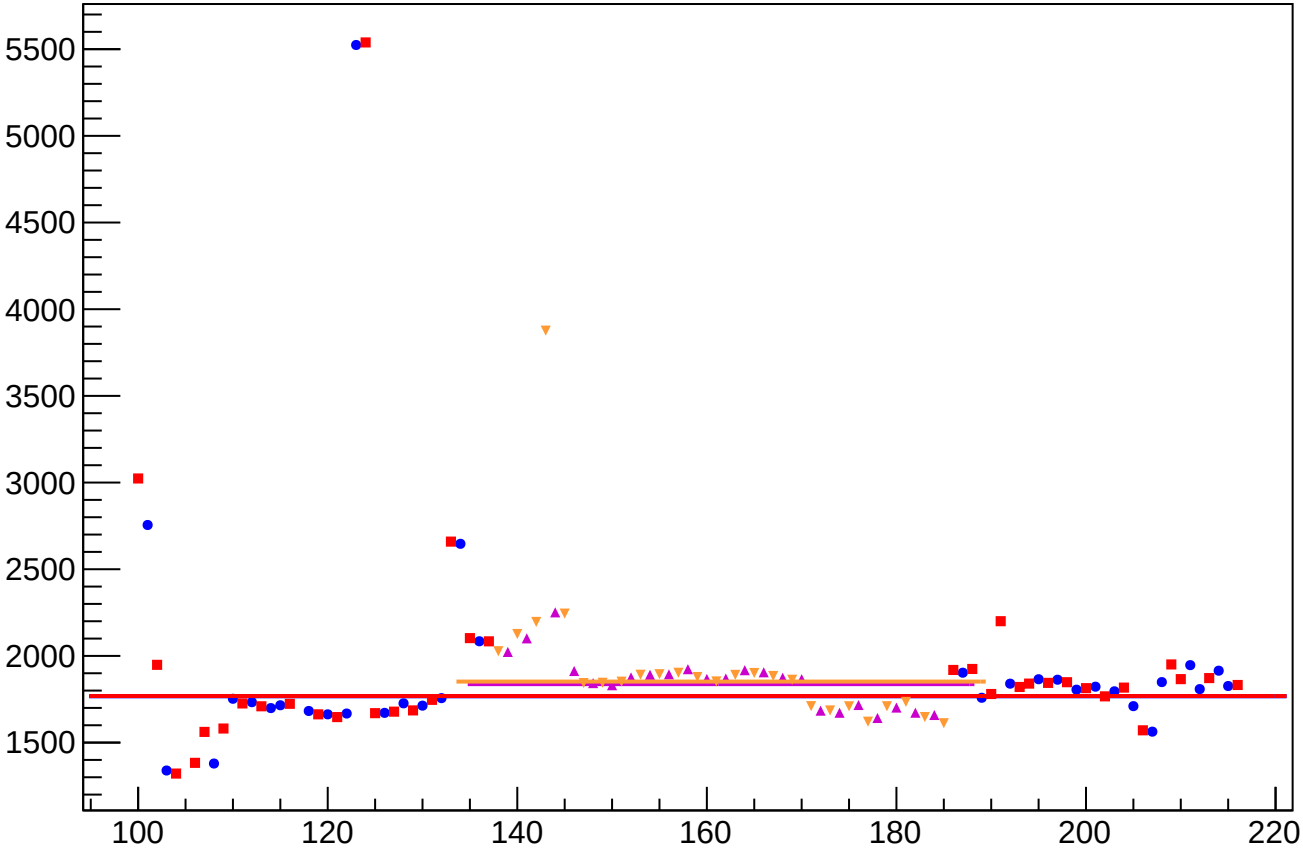
Right: 2181.518+/-301.961 χ^2/NDF: 49.3/66

In: 2974.418+/-307.557 χ^2/NDF:22.8/54

Out: 1290.551+/-304.111 χ^2/NDF:79.9/59

All: 2122.997+/-216.247 χ^2/NDF: 117.8/114

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1767.036+/-0.303 χ^2/NDF: 516761.6/31

Left Out: 1851.959+/-0.308 χ^2/NDF:648954.2/24

Right Out: 1768.526+/-0.301 χ^2/NDF: 572564.7/34

Left In: 1837.151+/-0.312 χ^2/NDF:200514.0/22

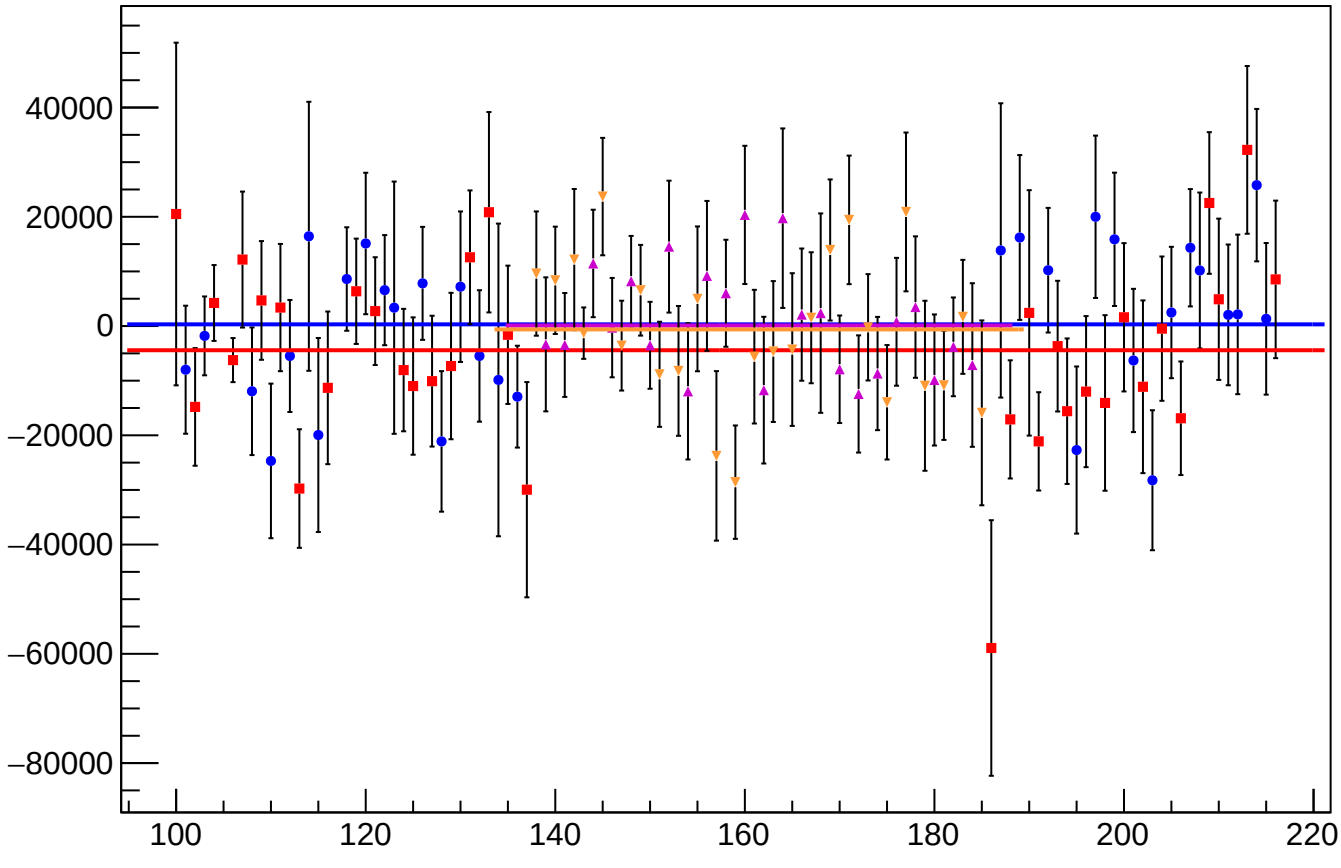
Left: 1844.654+/-0.219 χ^2/NDF: 850610.1/47

Right: 1767.788+/-0.214 χ^2/NDF: 1089338.4/66

In: 1801.116+/-0.217 χ^2/NDF:743240.8/54

Out: 1809.257+/-0.215 χ^2/NDF:1259131.9/59

All: 1805.232+/-0.153 χ^2/NDF: 2003081.3/11



Right In: 311.329+/-2210.263 χ^2/NDF: 33.8/31

Left Out: -619.372+/-2069.686 χ^2/NDF:30.1/24

Right Out: -4427.368+/-1874.676 χ^2/NDF: 44.7/34

Left In: 93.334+/-2293.826 χ^2/NDF:14.6/22

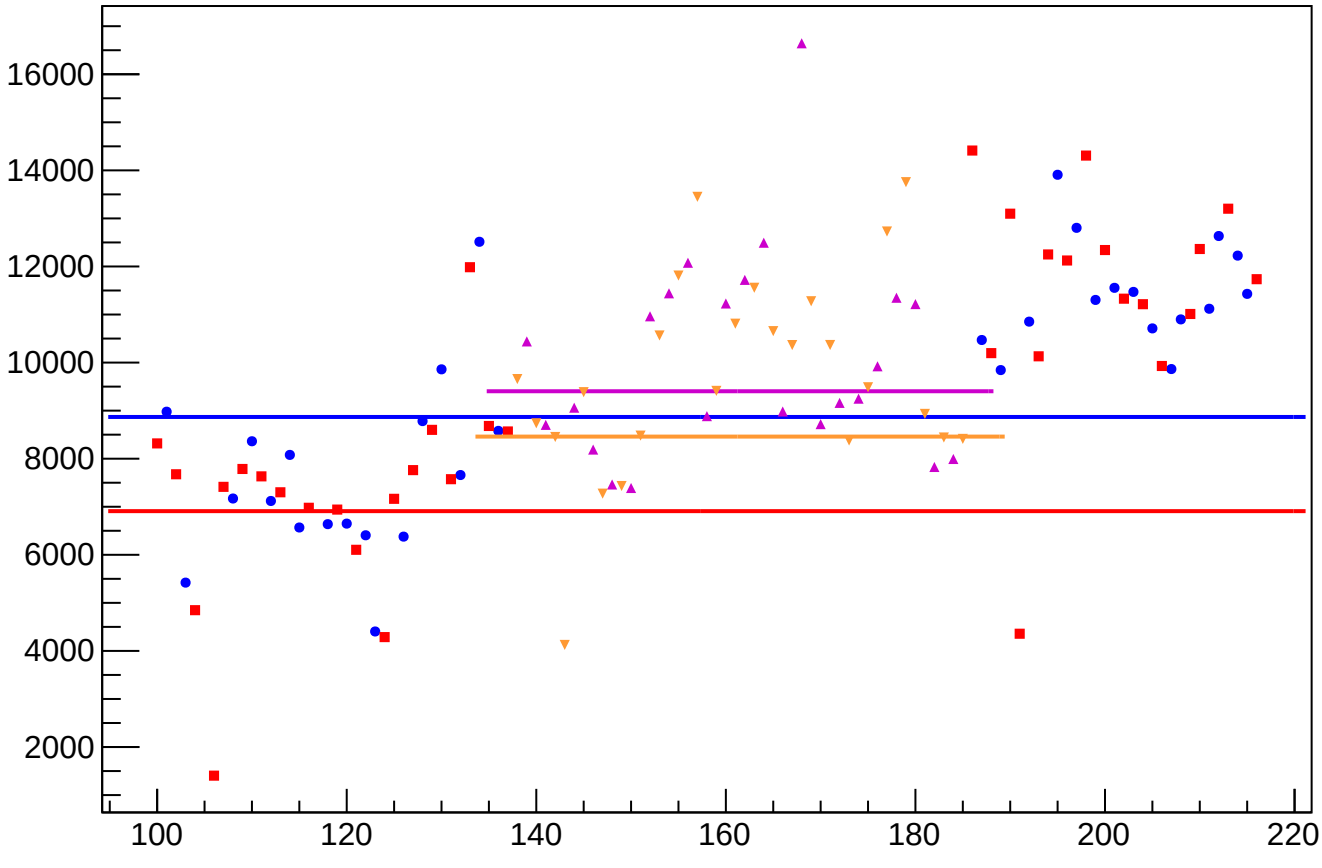
Left: -299.532+/-1536.638 χ^2/NDF: 44.8/47

Right: -2444.704+/-1429.681 χ^2/NDF: 81.2/66

In: 206.375+/-1591.614 χ^2/NDF:48.5/54

Out: -2711.179+/-1389.437 χ^2/NDF:76.8/59

All: -1449.367+/-1046.708 χ^2/NDF: 127.1/11



Right In: 8868.400+/-1.563 χ^2/NDF: 2302078.6/31

Left Out: 8459.960+/-1.463 χ^2/NDF:3087200.5/24

Right Out: 6908.636+/-1.326 χ^2/NDF: 8090733.1/34

Left In: 9403.481+/-1.622 χ^2/NDF:1142646.9/22

Left: 8883.382+/-1.087 χ^2/NDF: 4416376.4/47

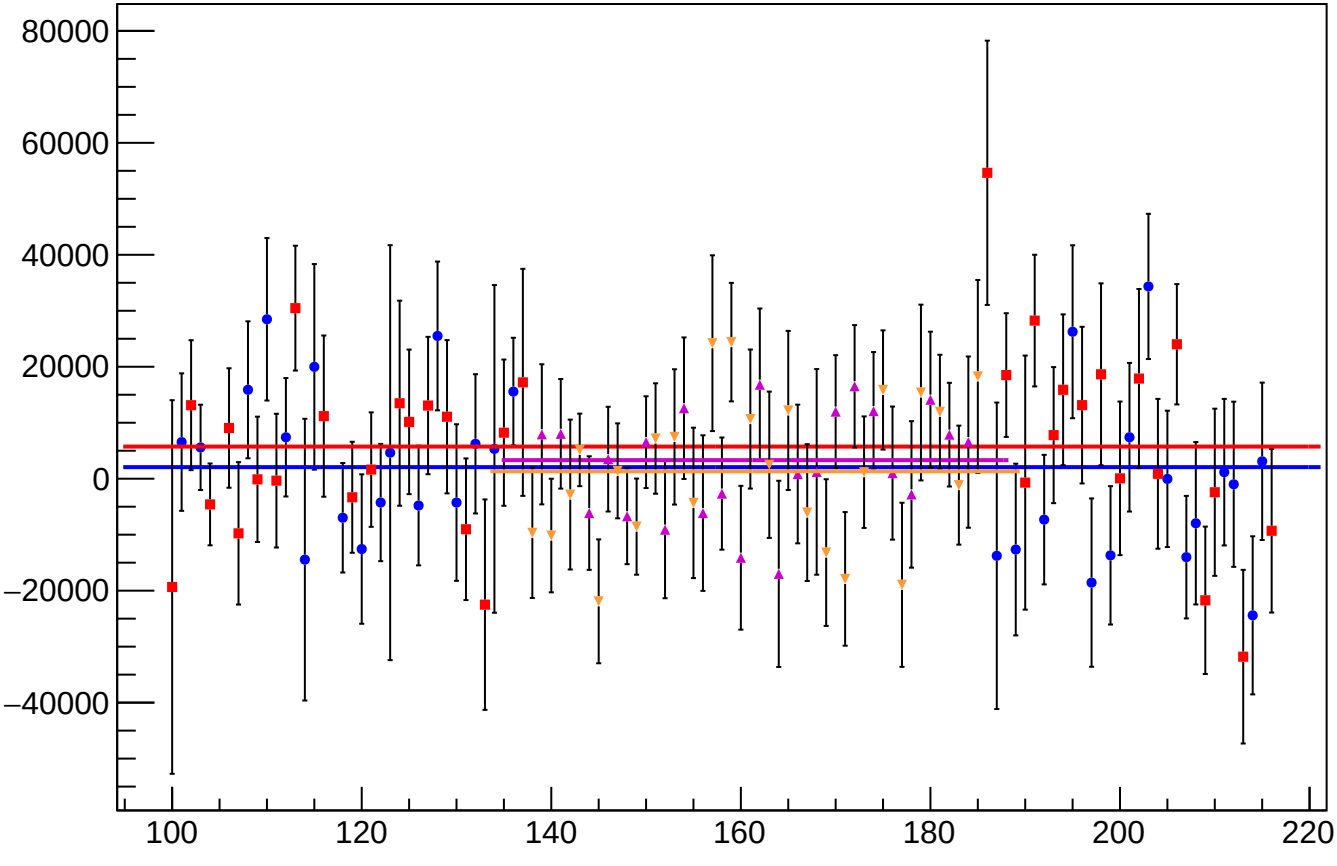
Right: 7728.598+/-1.011 χ^2/NDF: 11307294.1/66

In: 9126.017+/-1.125 χ^2/NDF:3501158.8/54

Out: 7607.787+/-0.982 χ^2/NDF:11795169.6/59

All: 8264.406+/-0.740 χ^2/NDF: 16329097.3/

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2068.296+/-2277.345 χ^2/NDF: 35.3/31

Left Out: 1332.828+/-2213.733 χ^2/NDF:28.0/24

Right Out: 5738.412+/-2177.984 χ^2/NDF: 42.1/34

Left In: 3316.909+/-2344.543 χ^2/NDF:13.7/22

Left: 2267.978+/-1609.604 χ^2/NDF: 42.2/47

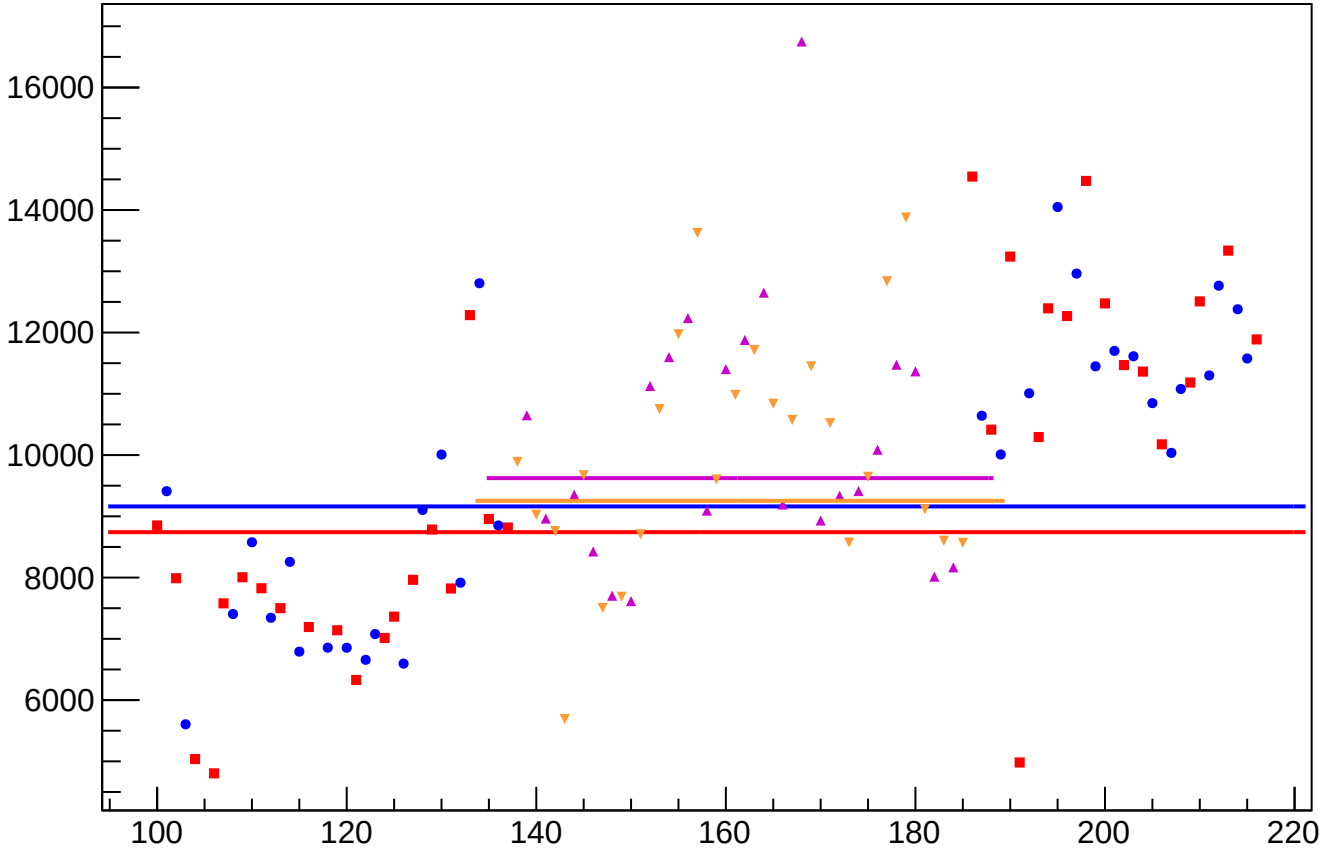
Right: 3985.163+/-1574.022 χ^2/NDF: 78.8/66

In: 2674.452+/-1633.566 χ^2/NDF:49.2/54

Out: 3571.480+/-1552.552 χ^2/NDF:72.2/59

All: 3145.760+/-1125.371 χ^2/NDF: 121.5/114

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 9161.393+/-1.610 χ^2/NDF: 2068761.1/31

Left Out: 9252.712+/-1.565 χ^2/NDF:1597668.9/24

Right Out: 8741.594+/-1.540 χ^2/NDF: 2963741.1/34

Left In: 9623.485+/-1.658 χ^2/NDF:1069924.0/22

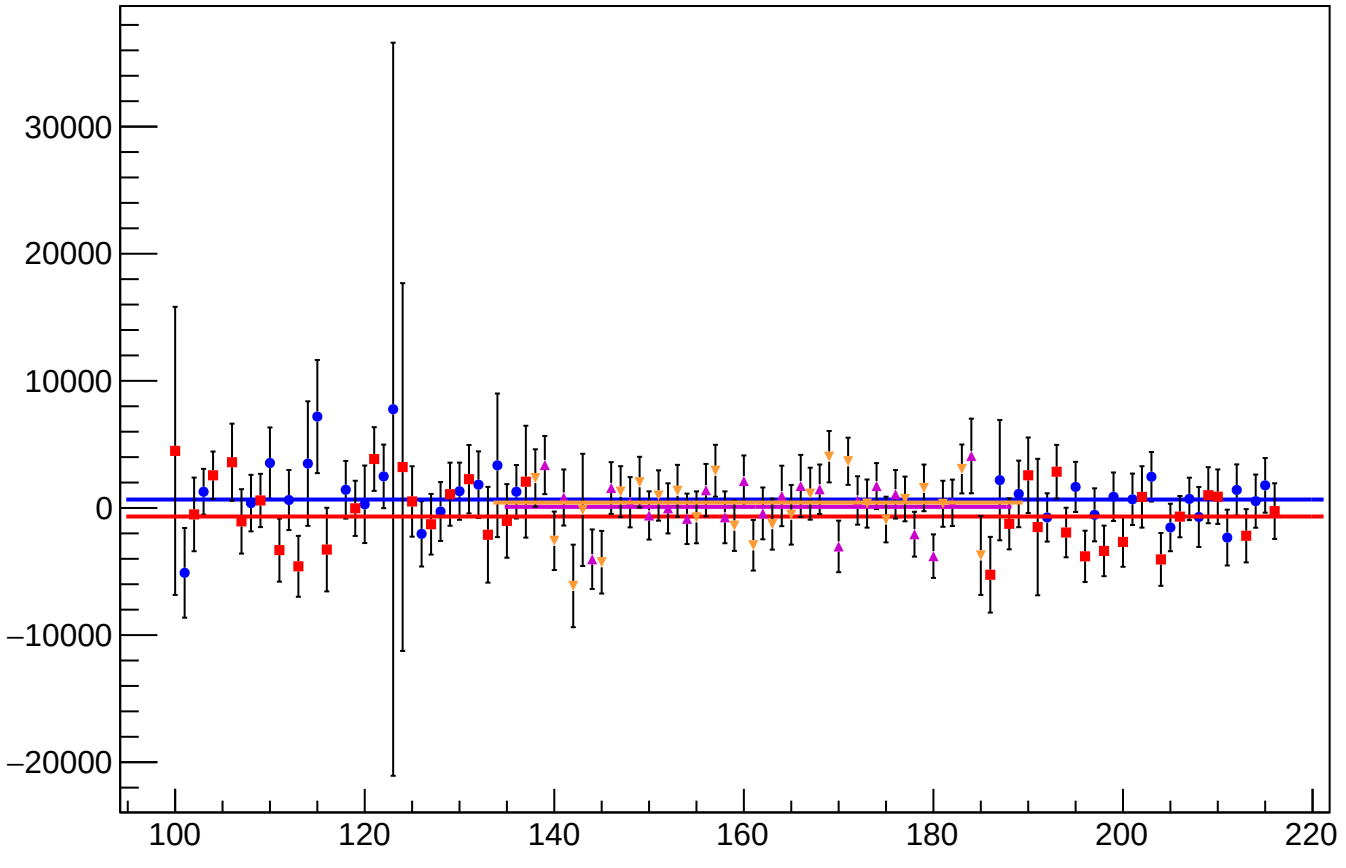
Left: 9427.467+/-1.138 χ^2/NDF: 2694036.4/47

Right: 8942.119+/-1.113 χ^2/NDF: 5068001.0/66

In: 9385.719+/-1.155 χ^2/NDF:3178660.6/54

Out: 8992.969+/-1.098 χ^2/NDF:4615590.8/59

All: 9179.356+/-0.796 χ^2/NDF: 7854996.6/11



Right In: 663.768+/-413.293 χ^2/NDF: 15.1/31

Left Out: 429.447+/-416.378 χ^2/NDF:28.7/24

Right Out: -671.463+/-409.743 χ^2/NDF: 32.8/34

Left In: 88.373+/-421.957 χ^2/NDF:21.0/22

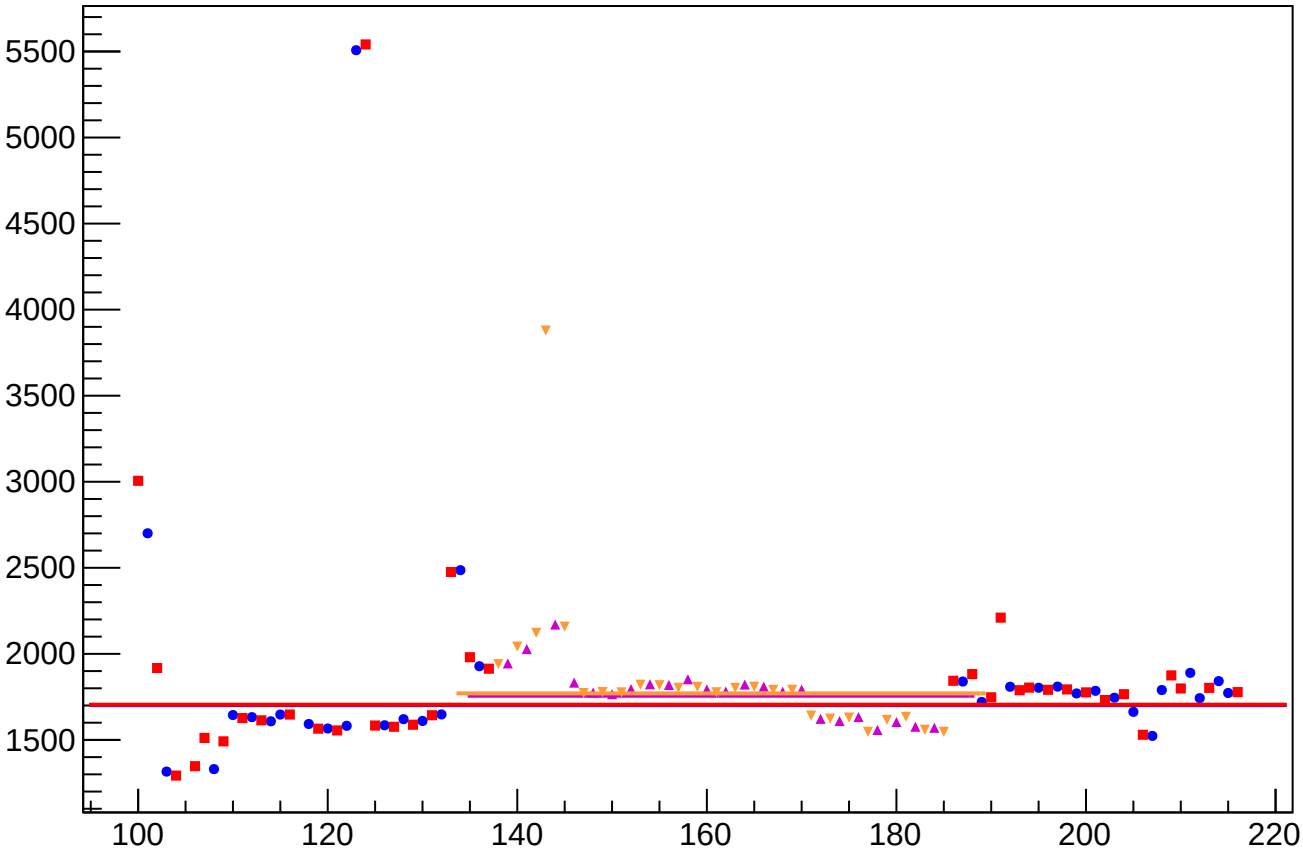
Left: 261.180+/-296.376 χ^2/NDF: 50.0/47

Right: -9.606+/-290.979 χ^2/NDF: 53.1/66

In: 382.039+/-295.258 χ^2/NDF:37.0/54

Out: -129.849+/-292.050 χ^2/NDF:65.1/59

All: 123.299+/-207.635 χ^2/NDF: 103.6/114



Right In: 1702.383+/-0.292 χ^2/NDF: 510827.0/31

Left Out: 1770.384+/-0.294 χ^2/NDF:699536.9/24

Right Out: 1704.568+/-0.290 χ^2/NDF: 581486.6/34

Left In: 1756.623+/-0.298 χ^2/NDF:223077.6/22

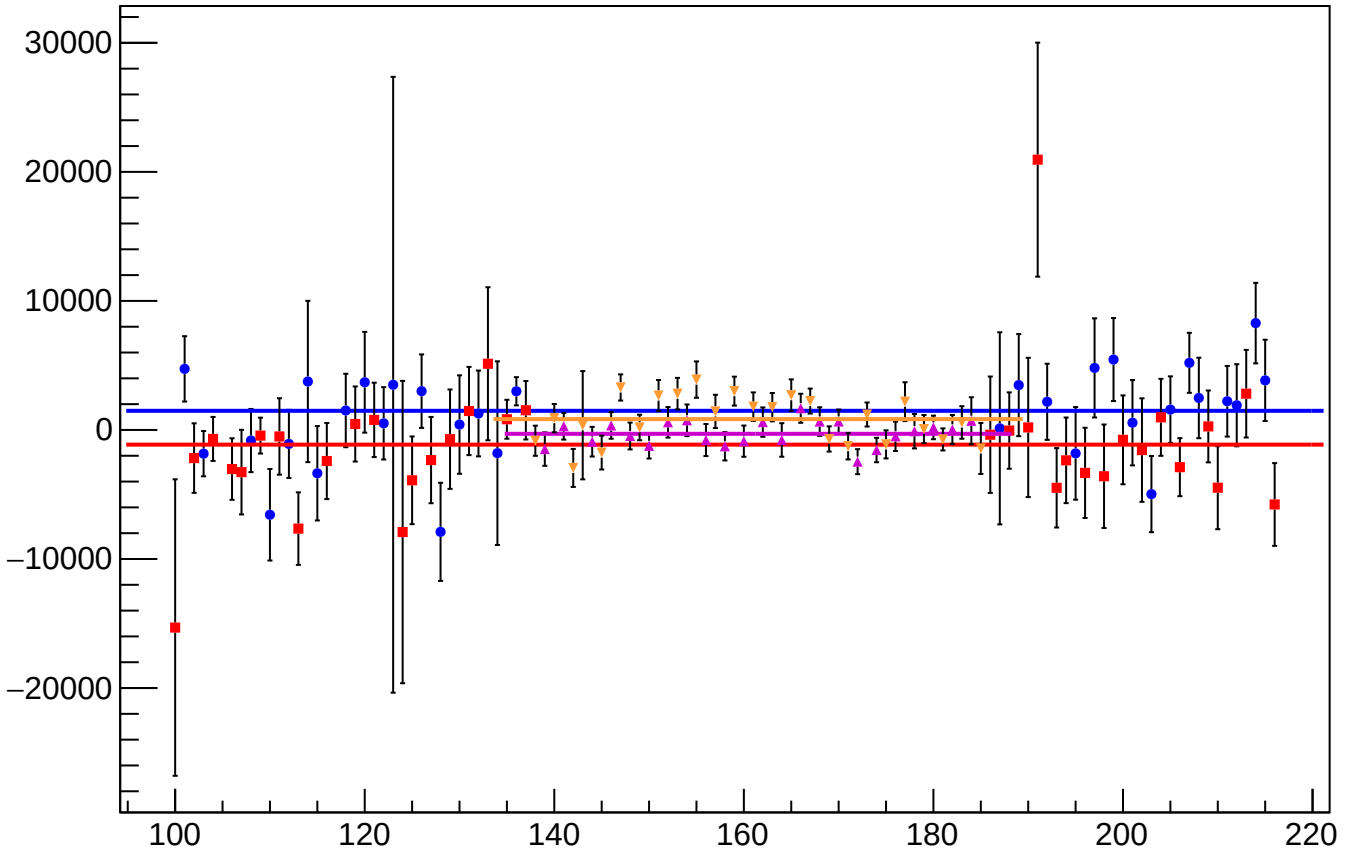
Left: 1763.595+/-0.210 χ^2/NDF: 923692.1/47

Right: 1703.485+/-0.206 χ^2/NDF: 1092341.8/66

In: 1728.941+/-0.209 χ^2/NDF:750770.6/54

Out: 1736.947+/-0.207 χ^2/NDF:1306410.4/59

All: 1732.988+/-0.147 χ^2/NDF: 2057924.4/11



Right In: 1483.921+/-498.955 χ^2/NDF: 39.5/31

Left Out: 839.344+/-230.465 χ^2/NDF:54.4/24

Right Out: -1137.118+/-483.087 χ^2/NDF: 29.4/34

Left In: -298.801+/-231.400 χ^2/NDF:18.3/22

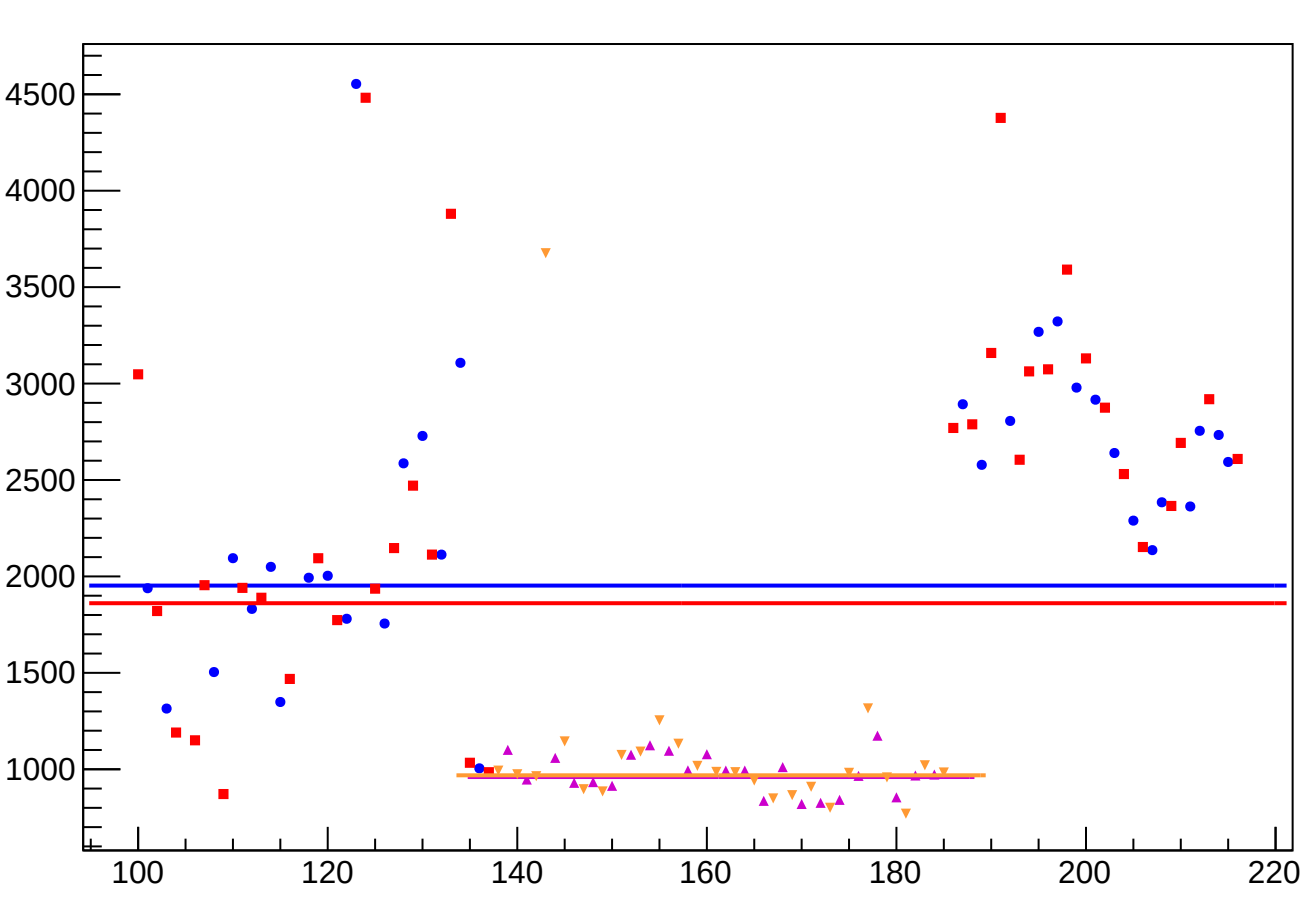
Left: 272.574+/-163.293 χ^2/NDF: 84.9/47

Right: 131.062+/-347.068 χ^2/NDF: 83.2/66

In: 16.758+/-209.923 χ^2/NDF:68.4/54

Out: 472.912+/-208.007 χ^2/NDF:97.5/59

All: 246.926+/-147.756 χ^2/NDF: 168.2/114



Right In: 1952.471+/-0.353 χ^2/NDF: 3853795.5/31

Left Out: 968.712+/-0.163 χ^2/NDF:1393696.6/24

Right Out: 1861.059+/-0.342 χ^2/NDF: 5460832.2/34

Left In: 959.805+/-0.164 χ^2/NDF:371210.5/22

Left: 964.276+/-0.115 χ^2/NDF: 1766394.7/47

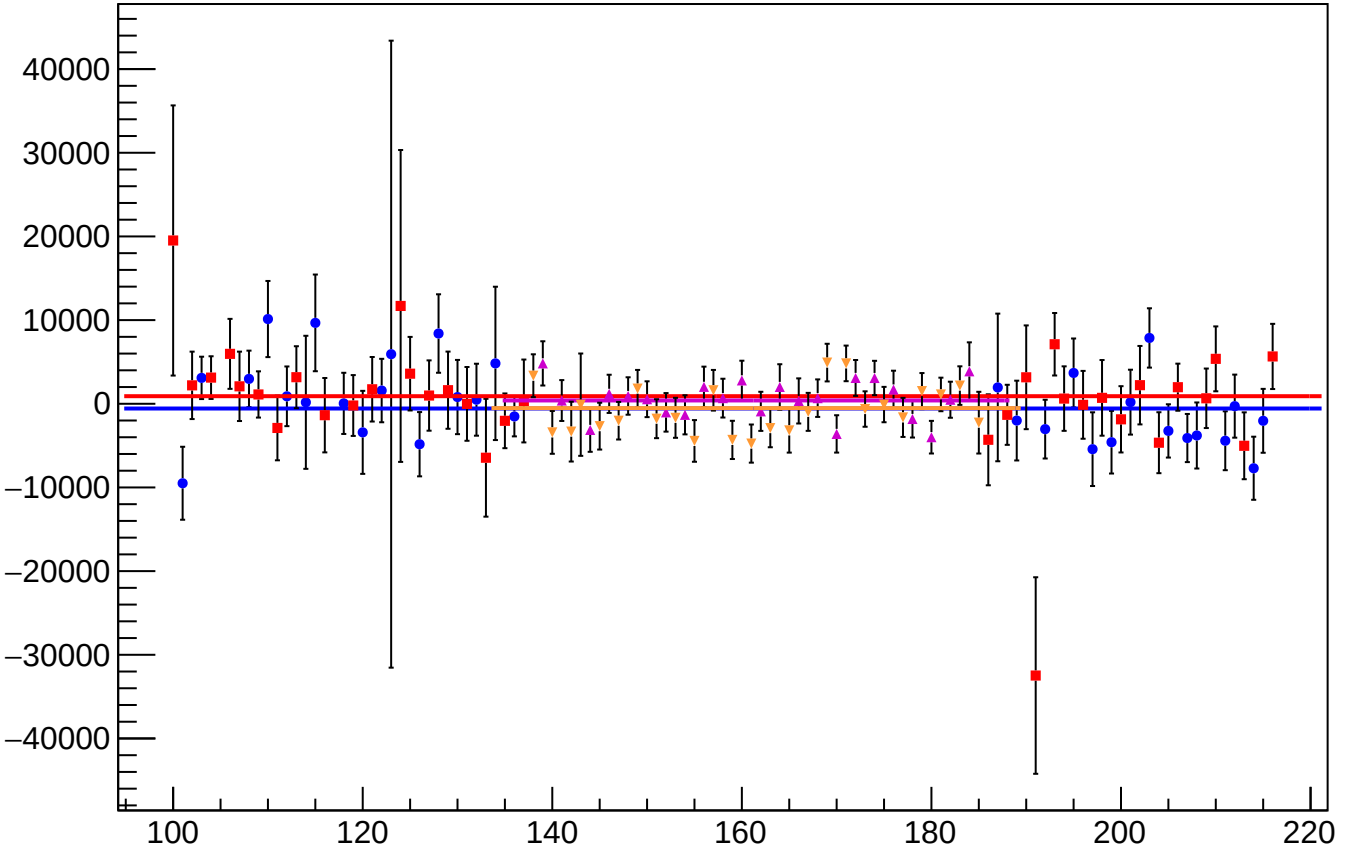
Right: 1905.288+/-0.245 χ^2/NDF: 9349277.0/66

In: 1135.516+/-0.148 χ^2/NDF:10739913.4/54

Out: 1134.151+/-0.147 χ^2/NDF:12413469.3/59

All: 1134.827+/-0.104 χ^2/NDF: 23153425.4/1

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -566.497+/-689.893 χ^2/NDF: 40.1/31

Left Out: -517.719+/-481.486 χ^2/NDF:34.0/24

Right Out: 906.517+/-683.327 χ^2/NDF: 28.6/34

Left In: 397.398+/-485.048 χ^2/NDF:21.8/22

Left: -63.533+/-341.714 χ^2/NDF: 57.7/47

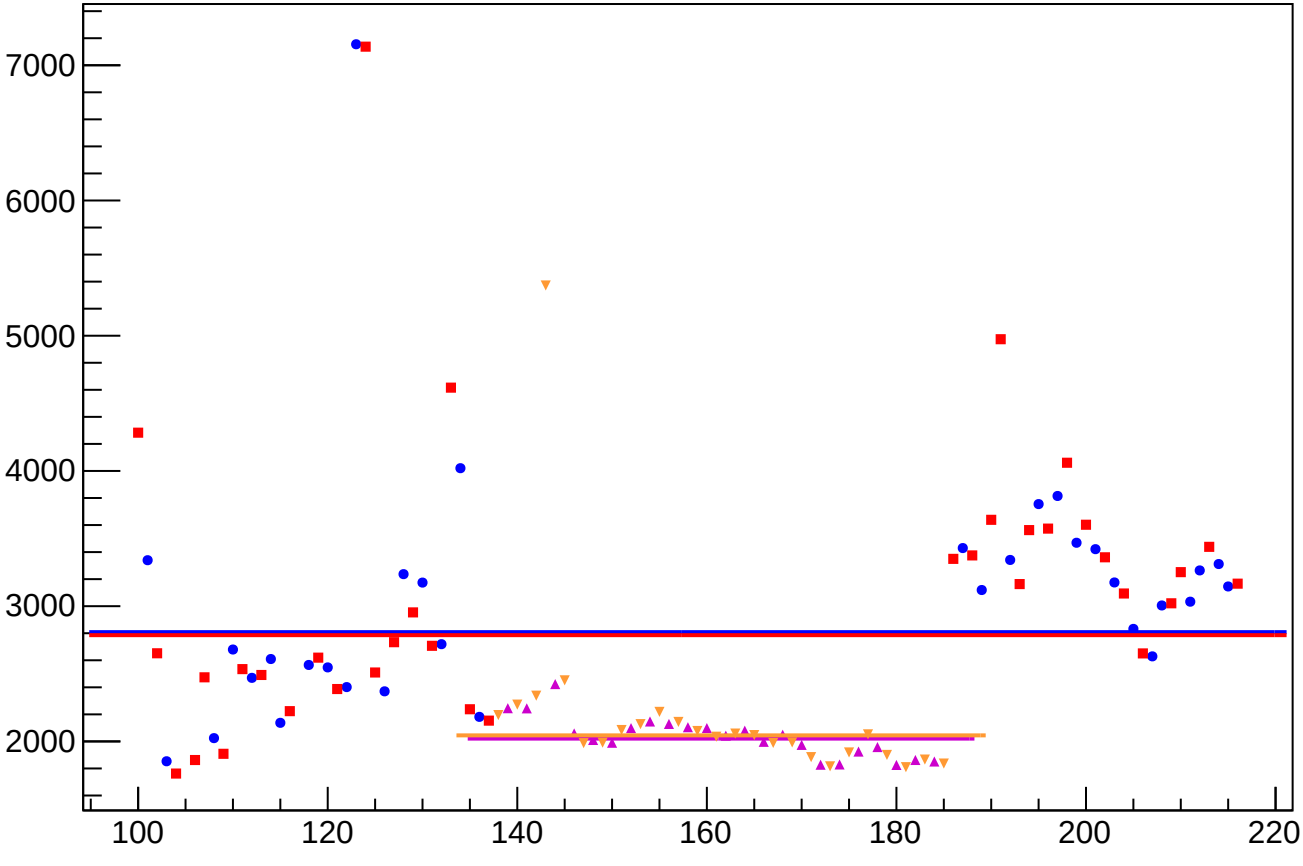
Right: 177.053+/-485.490 χ^2/NDF: 71.0/66

In: 78.544+/-396.792 χ^2/NDF:63.2/54

Out: -45.201+/-393.592 χ^2/NDF:65.5/59

All: 16.170+/-279.436 χ^2/NDF: 128.8/114

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2808.005+/-0.488 χ^2/NDF: 1275472.5/31

Left Out: 2044.722+/-0.340 χ^2/NDF:788703.5/24

Right Out: 2785.710+/-0.483 χ^2/NDF: 1838373.4/34

Left In: 2020.802+/-0.343 χ^2/NDF:173502.0/22

Left: 2032.850+/-0.242 χ^2/NDF: 964655.5/47

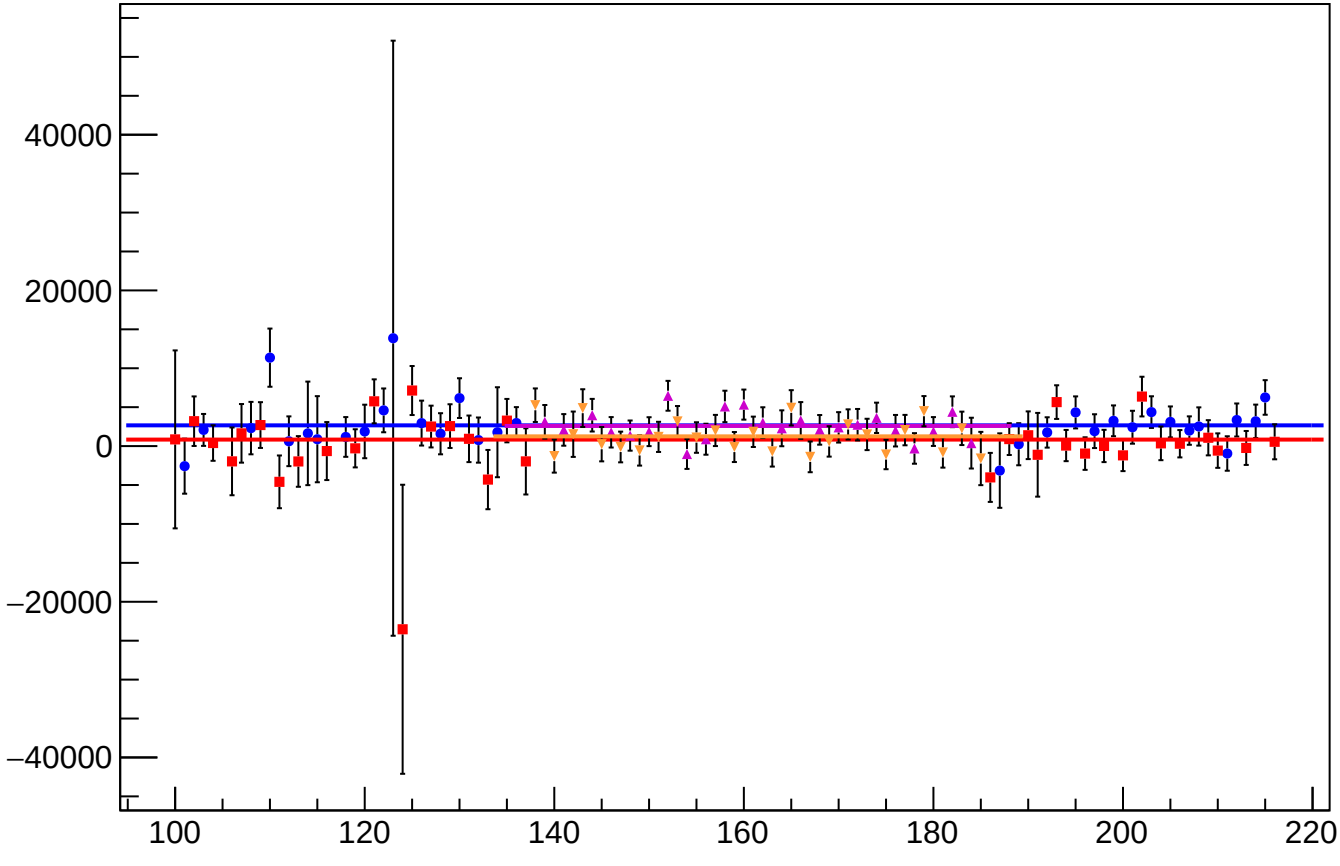
Right: 2796.751+/-0.343 χ^2/NDF: 3114900.2/66

In: 2281.207+/-0.281 χ^2/NDF:3191577.7/54

Out: 2290.561+/-0.278 χ^2/NDF:4198611.9/59

All: 2285.922+/-0.198 χ^2/NDF: 7390749.8/11

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2664.687+/-448.142 χ^2/NDF: 21.4/31

Left Out: 1249.917+/-412.486 χ^2/NDF:23.0/24

Right Out: 835.562+/-448.688 χ^2/NDF: 32.8/34

Left In: 2586.937+/-421.510 χ^2/NDF:17.5/22

Left: 1903.961+/-294.810 χ^2/NDF: 45.6/47

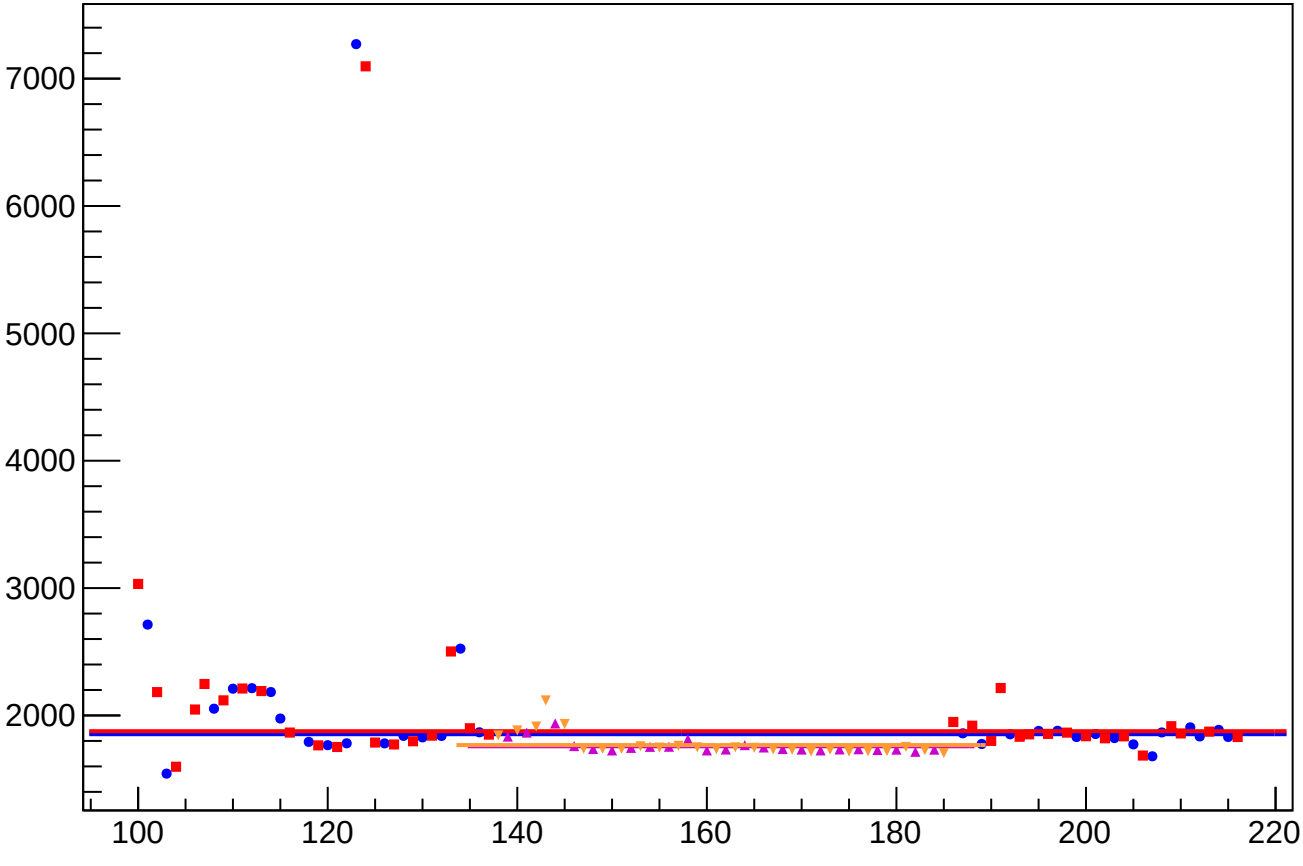
Right: 1751.239+/-317.077 χ^2/NDF: 62.5/66

In: 2623.433+/-307.036 χ^2/NDF:38.9/54

Out: 1060.128+/-303.665 χ^2/NDF:56.2/59

All: 1833.150+/-215.905 χ^2/NDF: 108.2/114

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1852.849+/-0.317 χ^2/NDF: 319647.5/31

Left Out: 1767.517+/-0.292 χ^2/NDF:77674.7/24

Right Out: 1876.460+/-0.317 χ^2/NDF: 410648.9/34

Left In: 1758.076+/-0.298 χ^2/NDF:29806.0/22

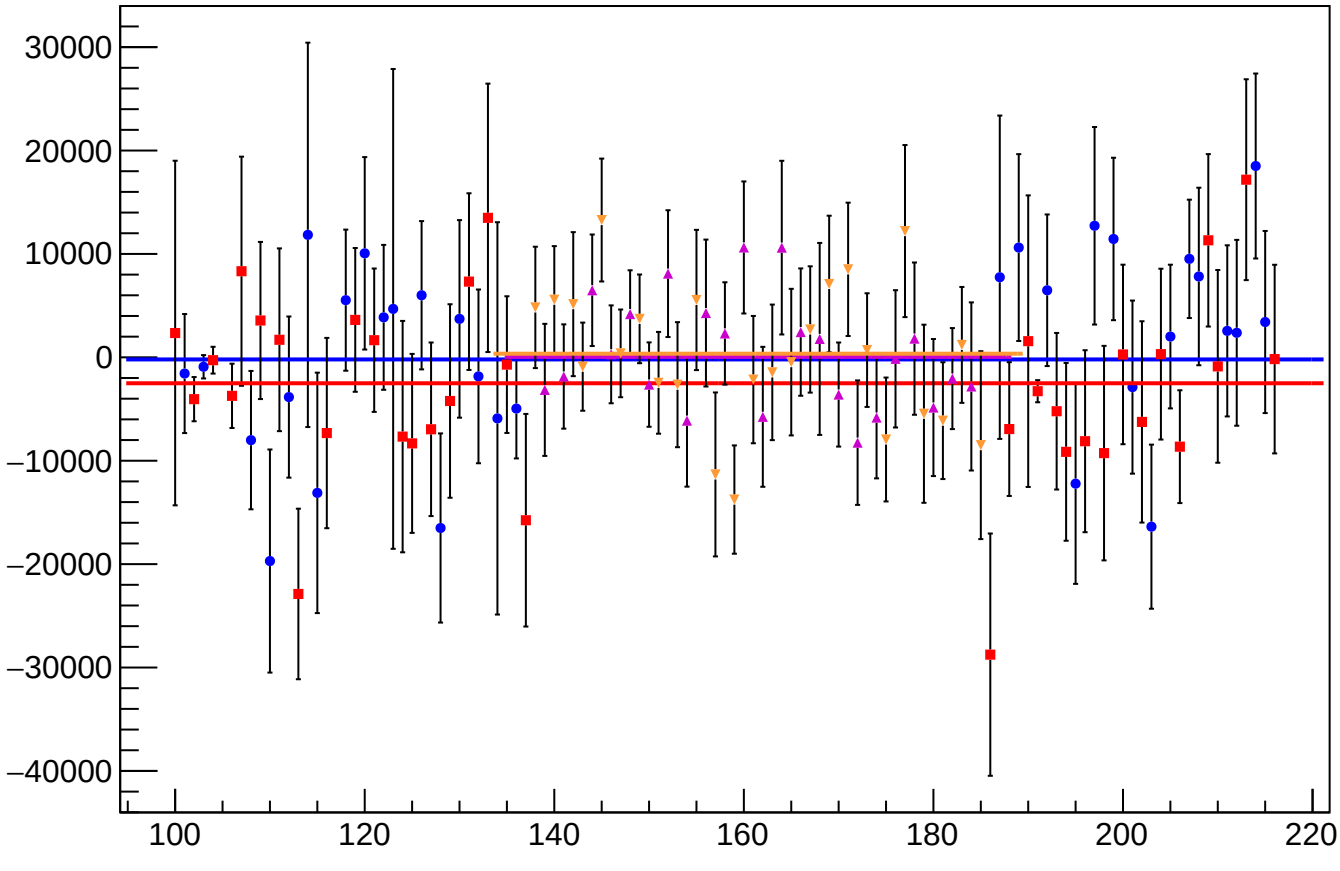
Left: 1762.899+/-0.208 χ^2/NDF: 107993.2/47

Right: 1864.647+/-0.224 χ^2/NDF: 733070.4/66

In: 1802.563+/-0.217 χ^2/NDF:396914.0/54

Out: 1817.448+/-0.215 χ^2/NDF:552265.3/59

All: 1810.090+/-0.153 χ^2/NDF: 951556.1/114



Right In: -203.227+/-894.342 χ^2/NDF: 35.4/31

Left Out: 351.227+/-1170.051 χ^2/NDF:27.8/24

Right Out: -2506.960+/-672.653 χ^2/NDF: 34.8/34

Left In: 40.618+/-1207.491 χ^2/NDF:16.0/22

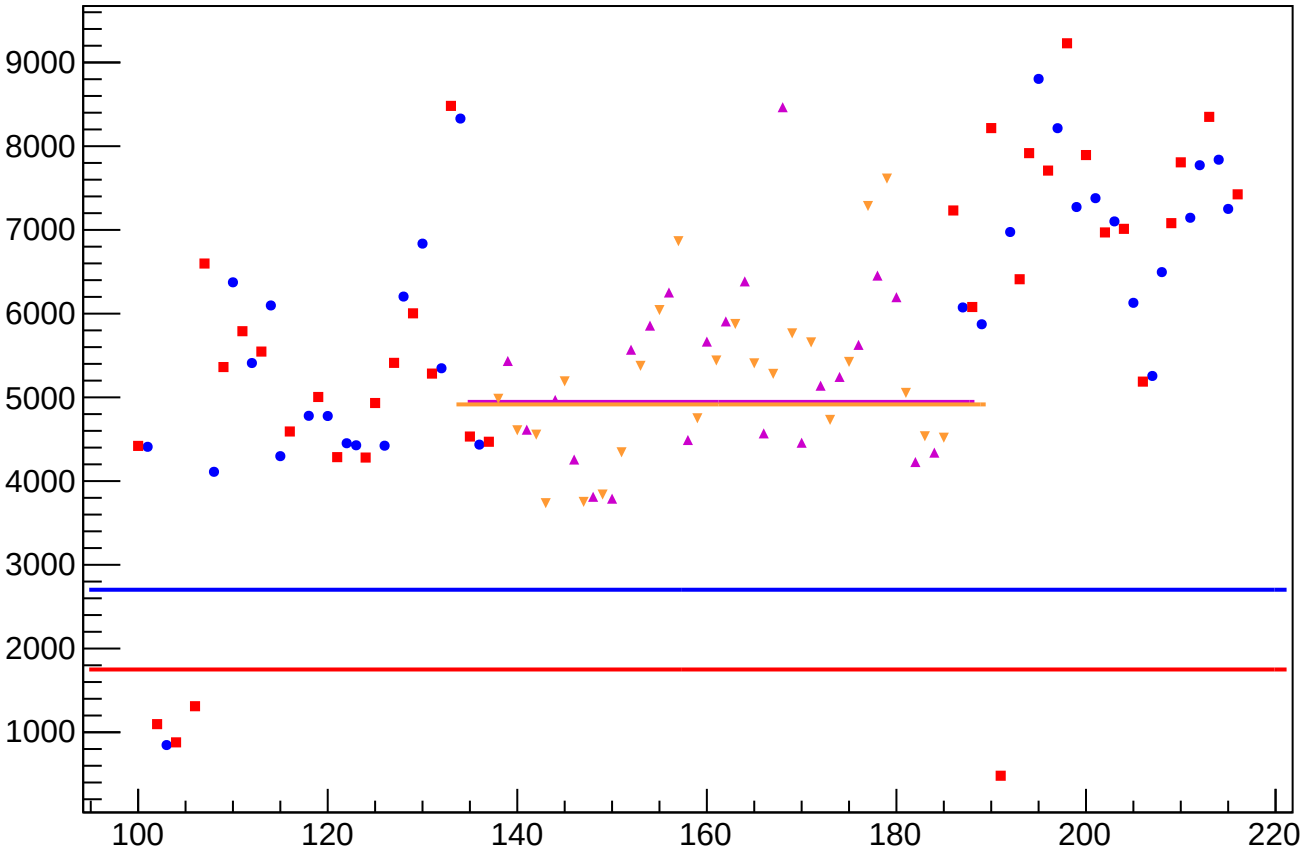
Left: 200.813+/-840.276 χ^2/NDF: 43.9/47

Right: -1674.616+/-537.575 χ^2/NDF: 74.5/66

In: -116.846+/-718.682 χ^2/NDF:51.4/54

Out: -1796.977+/-583.154 χ^2/NDF:67.2/59

All: -1129.946+/-452.833 χ^2/NDF: 121.9/114



Right In: 2702.255+/-0.632 χ^2/NDF: 16153306.8/31

Left Out: 4915.865+/-0.827 χ^2/NDF:1186479.7/24

Right Out: 1749.729+/-0.476 χ^2/NDF: 21149518.7/34

Left In: 4945.817+/-0.854 χ^2/NDF:1188288.6/22

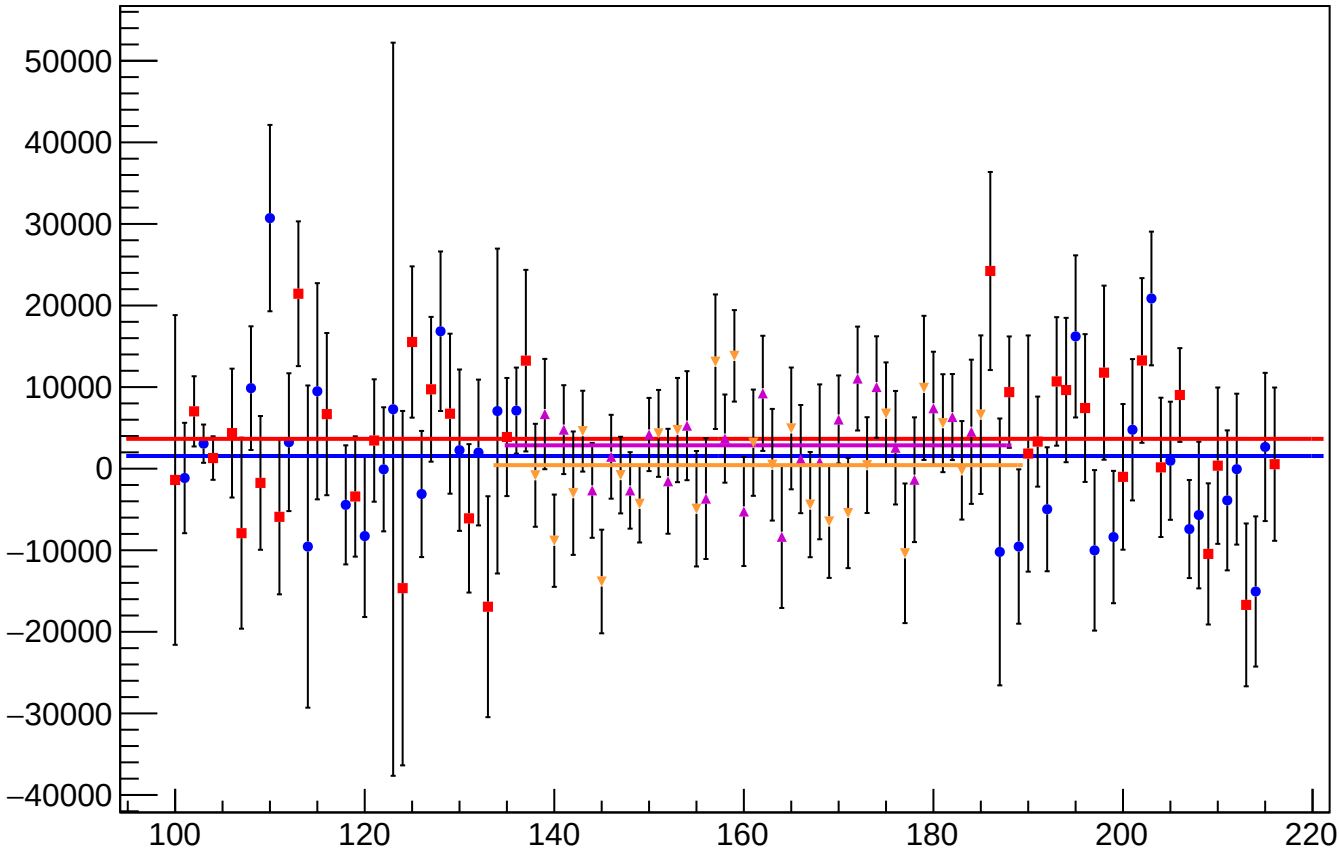
Left: 4930.370+/-0.594 χ^2/NDF: 2375402.9/47

Right: 2093.879+/-0.380 χ^2/NDF: 38751838.6/66

In: 3497.030+/-0.508 χ^2/NDF:21800258.0/54

Out: 2536.207+/-0.412 χ^2/NDF:33342876.6/59

All: 2917.665+/-0.320 χ^2/NDF: 57298652.1/1



Right In: 1551.841+/-1301.299 χ^2/NDF: 34.7/31

Left Out: 430.860+/-1258.273 χ^2/NDF:27.1/24

Right Out: 3655.605+/-1275.759 χ^2/NDF: 30.9/34

Left In: 2860.252+/-1292.328 χ^2/NDF:12.9/22

Left: 1613.125+/-901.533 χ^2/NDF: 41.8/47

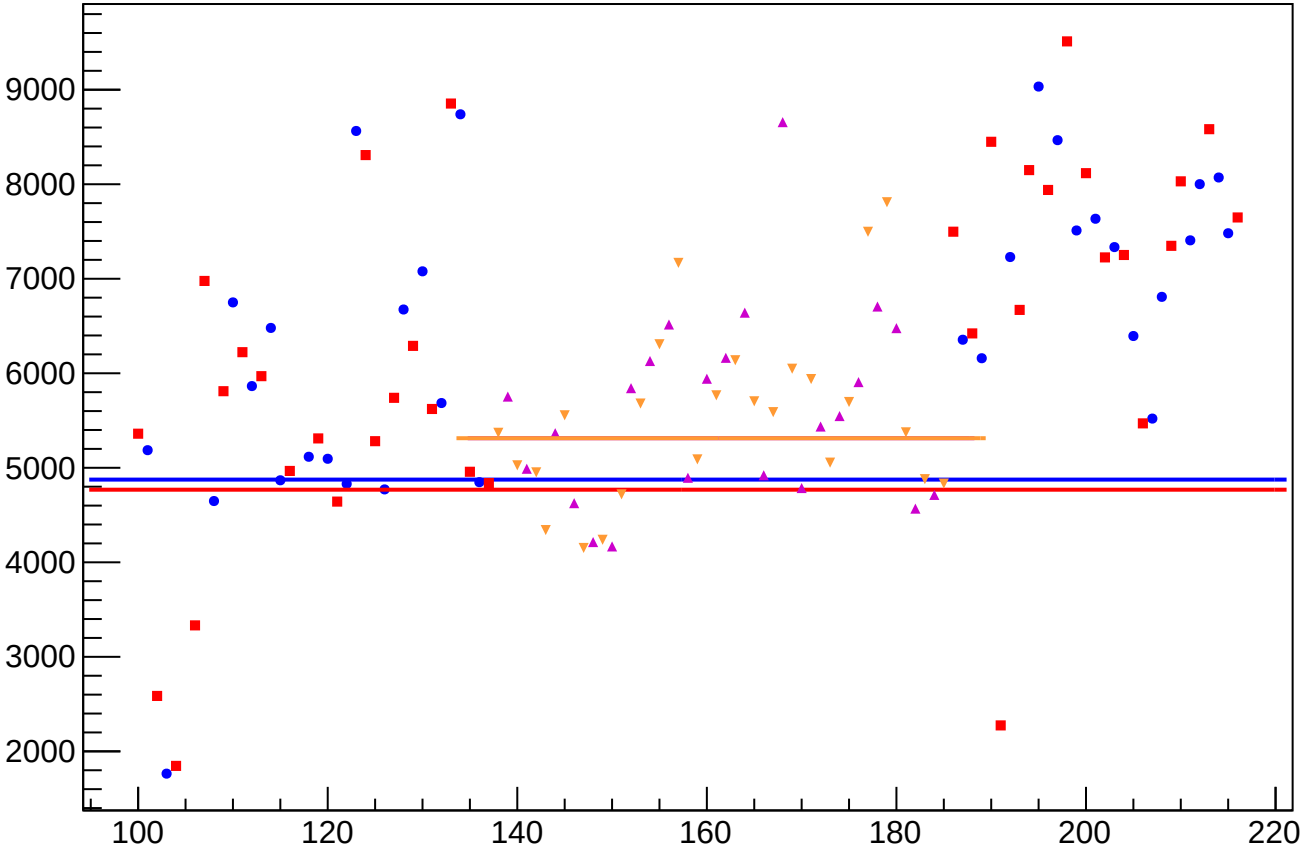
Right: 2624.570+/-910.993 χ^2/NDF: 66.9/66

In: 2210.572+/-916.969 χ^2/NDF:48.1/54

Out: 2020.981+/-895.852 χ^2/NDF:61.3/59

All: 2113.568+/-640.799 χ^2/NDF: 109.3/114

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4875.131+/-0.920 χ^2/NDF: 6364595.8/31

Left Out: 5313.008+/-0.890 χ^2/NDF:894369.8/24

Right Out: 4768.211+/-0.898 χ^2/NDF: 6828475.9/34

Left In: 5312.861+/-0.914 χ^2/NDF:957400.7/22

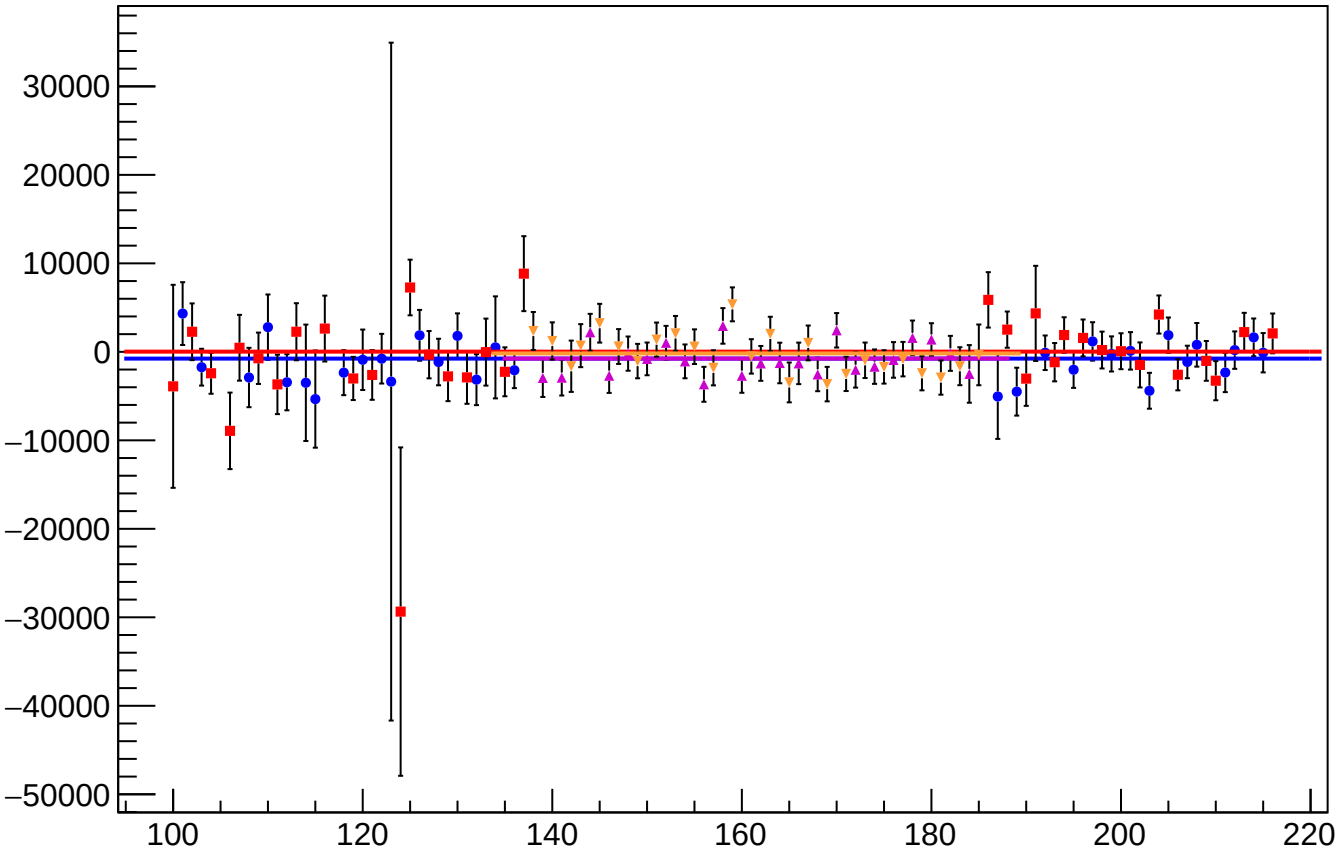
Left: 5312.937+/-0.637 χ^2/NDF: 1851770.5/47

Right: 4820.386+/-0.643 χ^2/NDF: 13199984.8/66

In: 5095.510+/-0.648 χ^2/NDF:7435930.2/54

Out: 5043.221+/-0.632 χ^2/NDF:7908513.4/59

All: 5068.702+/-0.453 χ^2/NDF: 15347777.8/1



Right In: -764.540+/-447.803 χ^2/NDF: 20.3/31

Left Out: -179.794+/-410.976 χ^2/NDF:29.3/24

Right Out: 23.065+/-448.279 χ^2/NDF: 44.5/34

Left In: -759.753+/-419.905 χ^2/NDF:20.3/22

Left: -463.542+/-293.710 χ^2/NDF: 50.5/47

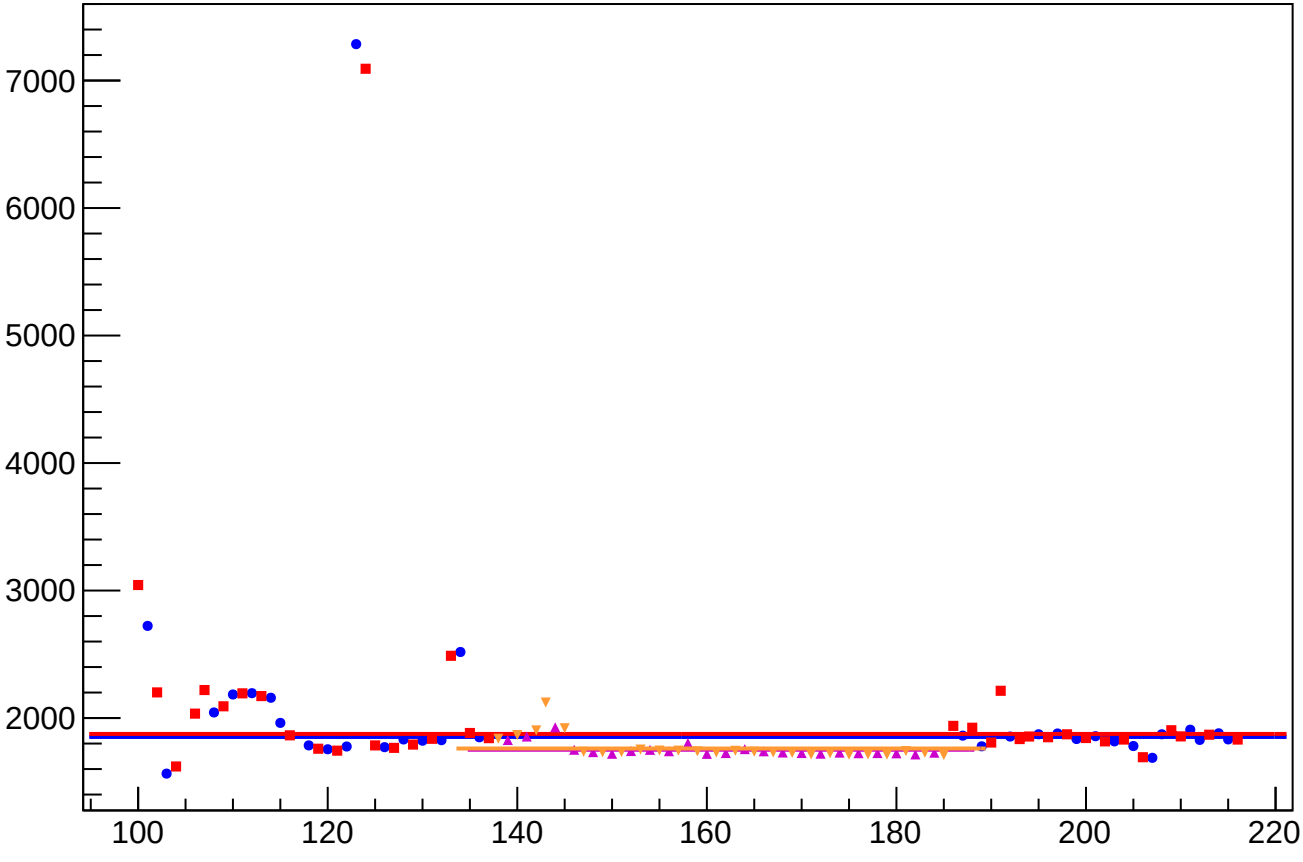
Right: -371.155+/-316.813 χ^2/NDF: 66.3/66

In: -761.993+/-306.306 χ^2/NDF:40.6/54

Out: -87.154+/-302.935 χ^2/NDF:73.8/59

All: -420.840+/-215.389 χ^2/NDF: 116.9/114

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.833+/-0.317 χ^2/NDF: 307080.5/31

Left Out: 1761.091+/-0.291 χ^2/NDF:77468.5/24

Right Out: 1875.353+/-0.317 χ^2/NDF: 395661.4/34

Left In: 1751.418+/-0.297 χ^2/NDF:28578.7/22

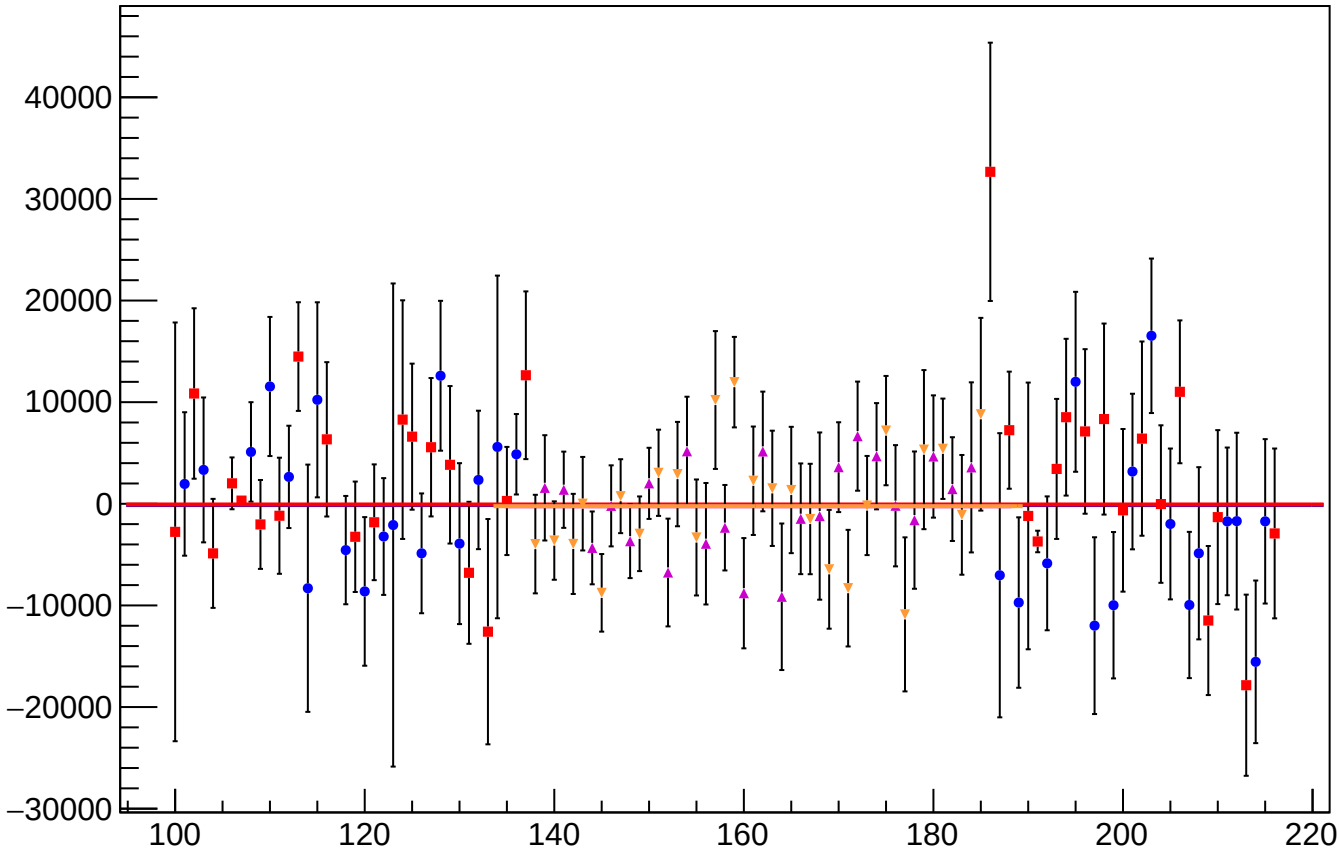
Left: 1756.358+/-0.208 χ^2/NDF: 106589.3/47

Right: 1863.587+/-0.224 χ^2/NDF: 705499.3/66

In: 1798.400+/-0.217 χ^2/NDF:389172.3/54

Out: 1813.303+/-0.214 χ^2/NDF:543773.9/59

All: 1805.936+/-0.152 χ^2/NDF: 935340.4/114



Right In: -120.354+/-1255.542 χ^2/NDF: 33.3/31

Left Out: -235.806+/-1005.144 χ^2/NDF:28.9/24

Right Out: -67.620+/-409.059 χ^2/NDF: 52.1/34

Left In: -239.224+/-1028.883 χ^2/NDF:15.3/22

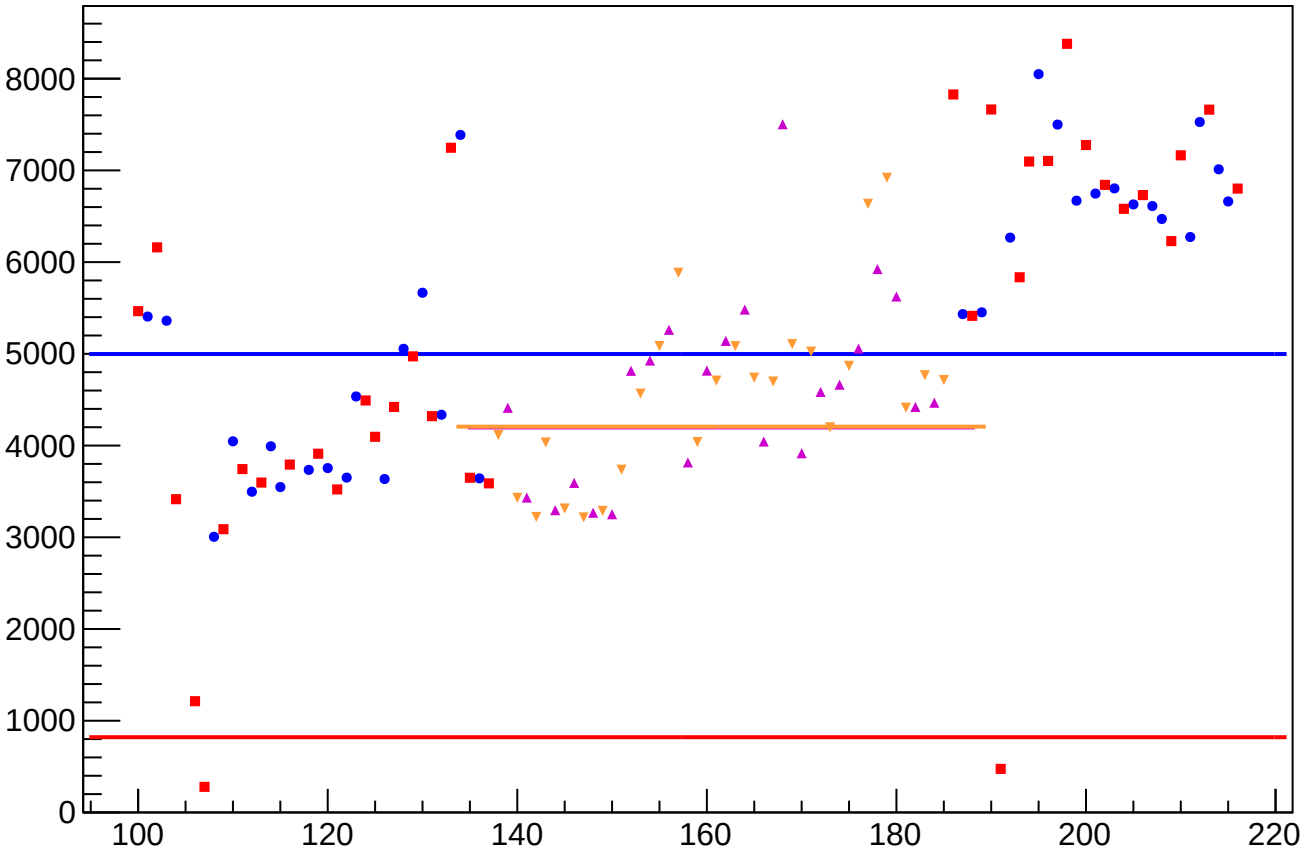
Left: -237.475+/-718.990 χ^2/NDF: 44.2/47

Right: -72.680+/-388.938 χ^2/NDF: 85.5/66

In: -191.468+/-795.808 χ^2/NDF:48.6/54

Out: -91.517+/-378.885 χ^2/NDF:81.0/59

All: -109.987+/-342.092 χ^2/NDF: 129.7/114



Right In: 4997.838+/-0.888 χ^2/NDF: 2824779.7/31

Left Out: 4206.076+/-0.711 χ^2/NDF:1442269.3/24

Right Out: 820.364+/-0.289 χ^2/NDF: 27188127.3/34

Left In: 4197.267+/-0.728 χ^2/NDF:1471012.9/22

Left: 4201.775+/-0.508 χ^2/NDF: 2913357.2/47

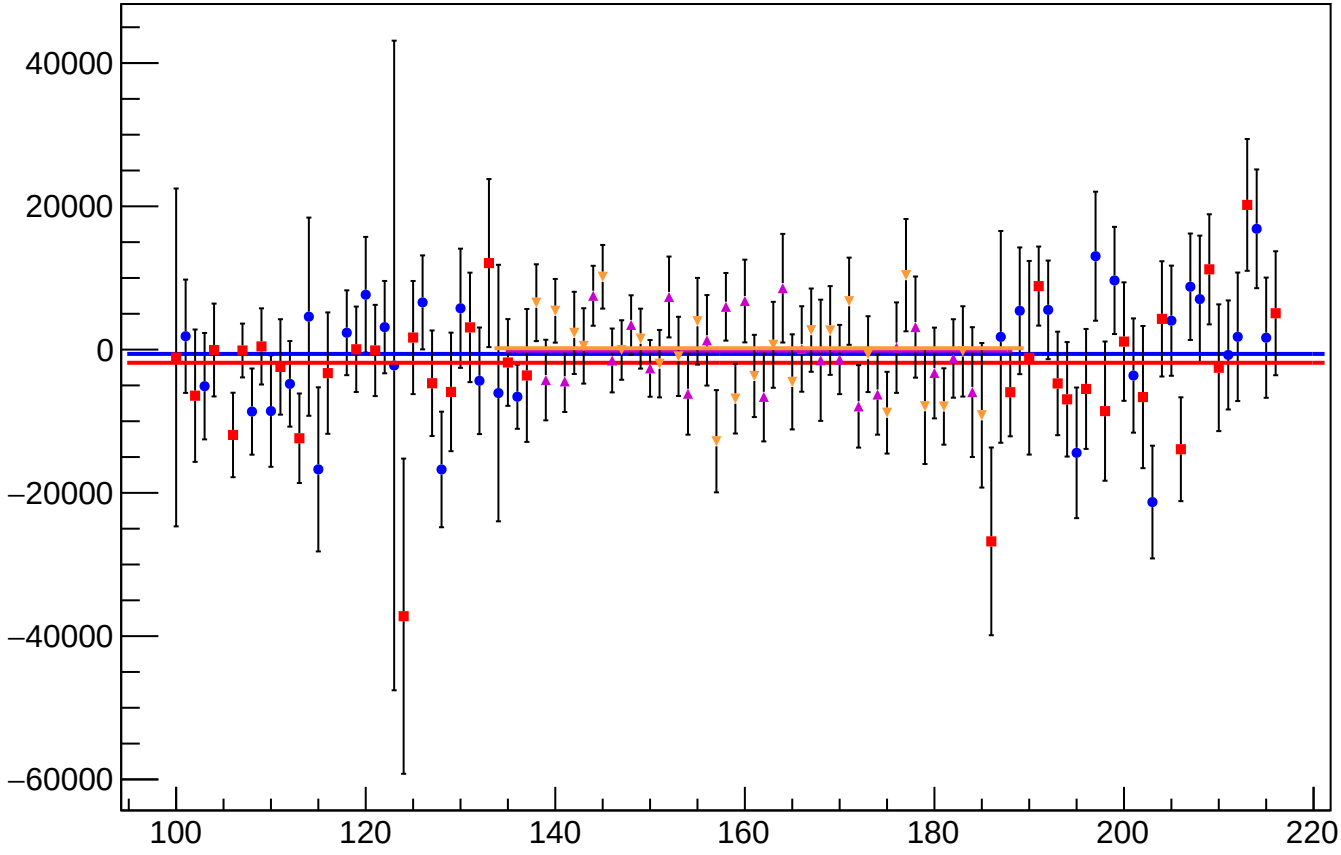
Right: 1221.241+/-0.275 χ^2/NDF: 50029107.8/66

In: 4518.895+/-0.563 χ^2/NDF:4782256.9/54

Out: 1301.435+/-0.268 χ^2/NDF:48098165.2/59

All: 1895.978+/-0.242 χ^2/NDF: 79531282.6/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -601.439+/-1373.060 χ^2/NDF: 37.6/31

Left Out: 189.721+/-1106.851 χ^2/NDF:25.0/24

Right Out: -1840.202+/-1244.288 χ^2/NDF: 33.8/34

Left In: -137.477+/-1129.656 χ^2/NDF:18.6/22

Left: 29.458+/-790.601 χ^2/NDF: 43.6/47

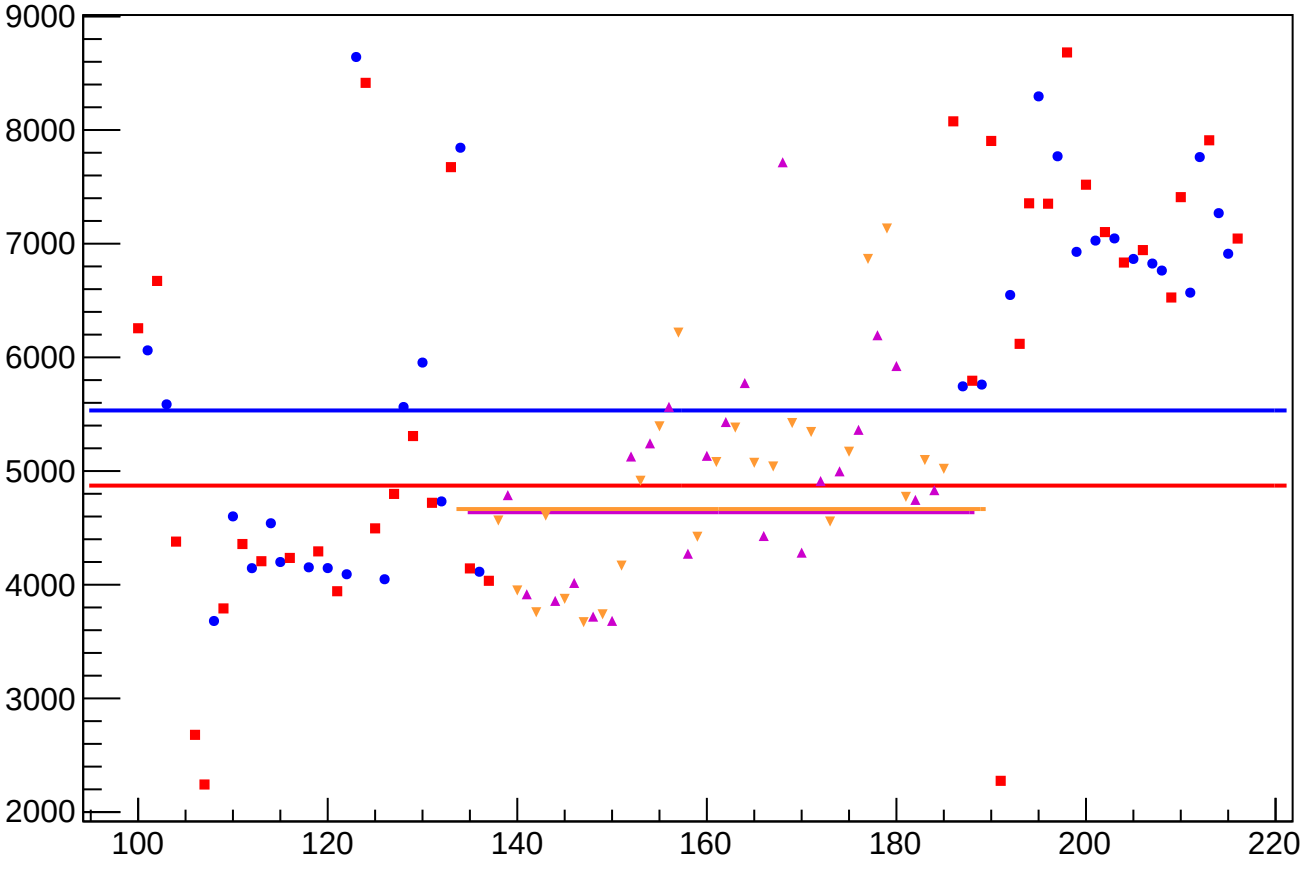
Right: -1281.620+/-922.017 χ^2/NDF: 71.8/66

In: -324.758+/-872.358 χ^2/NDF:56.2/54

Out: -706.985+/-827.001 χ^2/NDF:60.2/59

All: -526.066+/-600.172 χ^2/NDF: 116.6/114

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5532.961+/-0.971 χ^2/NDF: 2041728.4/31

Left Out: 4665.620+/-0.783 χ^2/NDF:1017235.0/24

Right Out: 4872.014+/-0.876 χ^2/NDF: 4445456.6/34

Left In: 4637.777+/-0.799 χ^2/NDF:1065217.2/22

Left: 4651.983+/-0.559 χ^2/NDF: 2083072.1/47

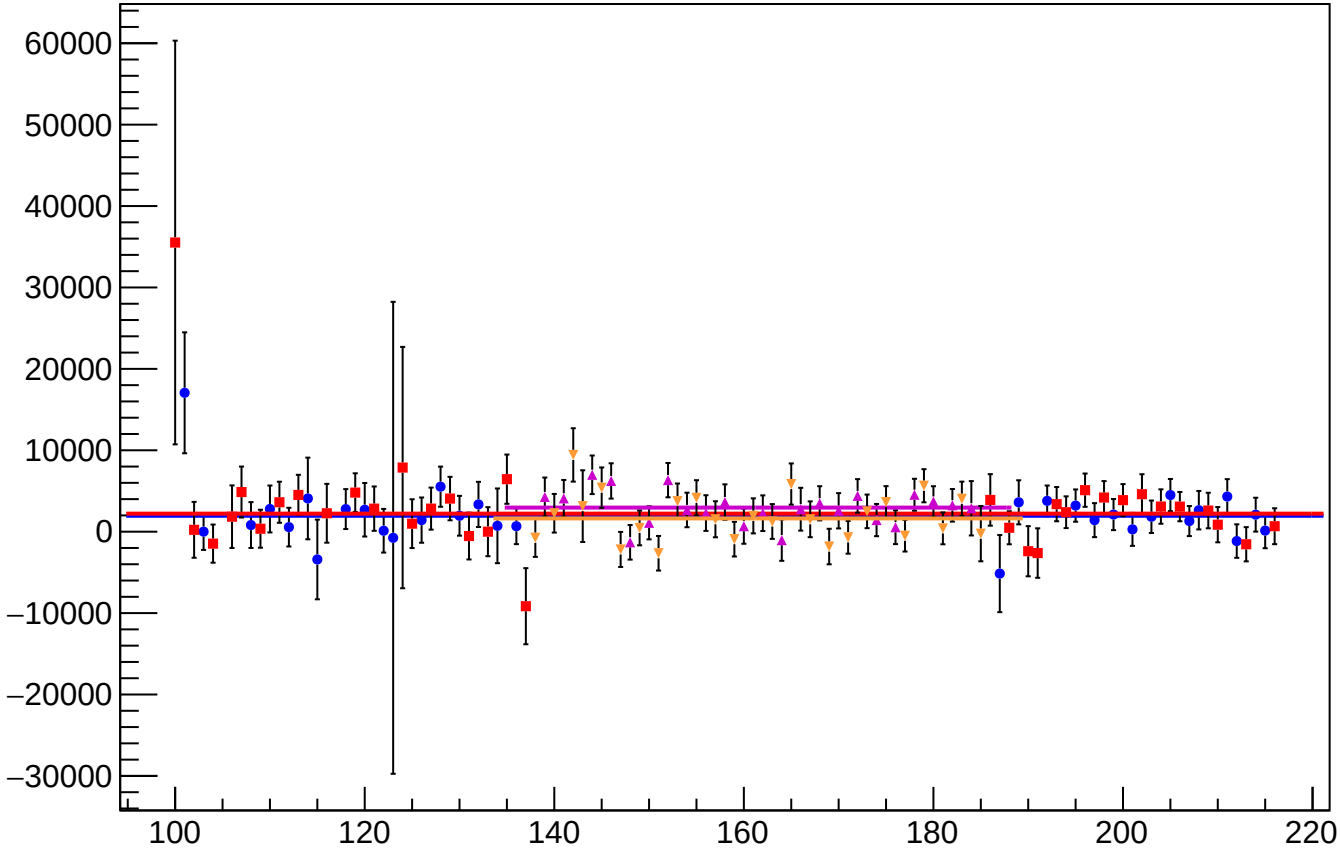
Right: 5168.736+/-0.651 χ^2/NDF: 6742565.5/66

In: 4999.123+/-0.617 χ^2/NDF:3613904.2/54

Out: 4757.202+/-0.584 χ^2/NDF:5493548.9/59

All: 4871.496+/-0.424 χ^2/NDF: 9188597.5/11

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1957.379+/-433.960 χ^2/NDF: 21.1/31

Left Out: 1630.035+/-447.063 χ^2/NDF:35.4/24

Right Out: 2216.150+/-427.688 χ^2/NDF: 33.8/34

Left In: 2958.620+/-453.688 χ^2/NDF:20.4/22

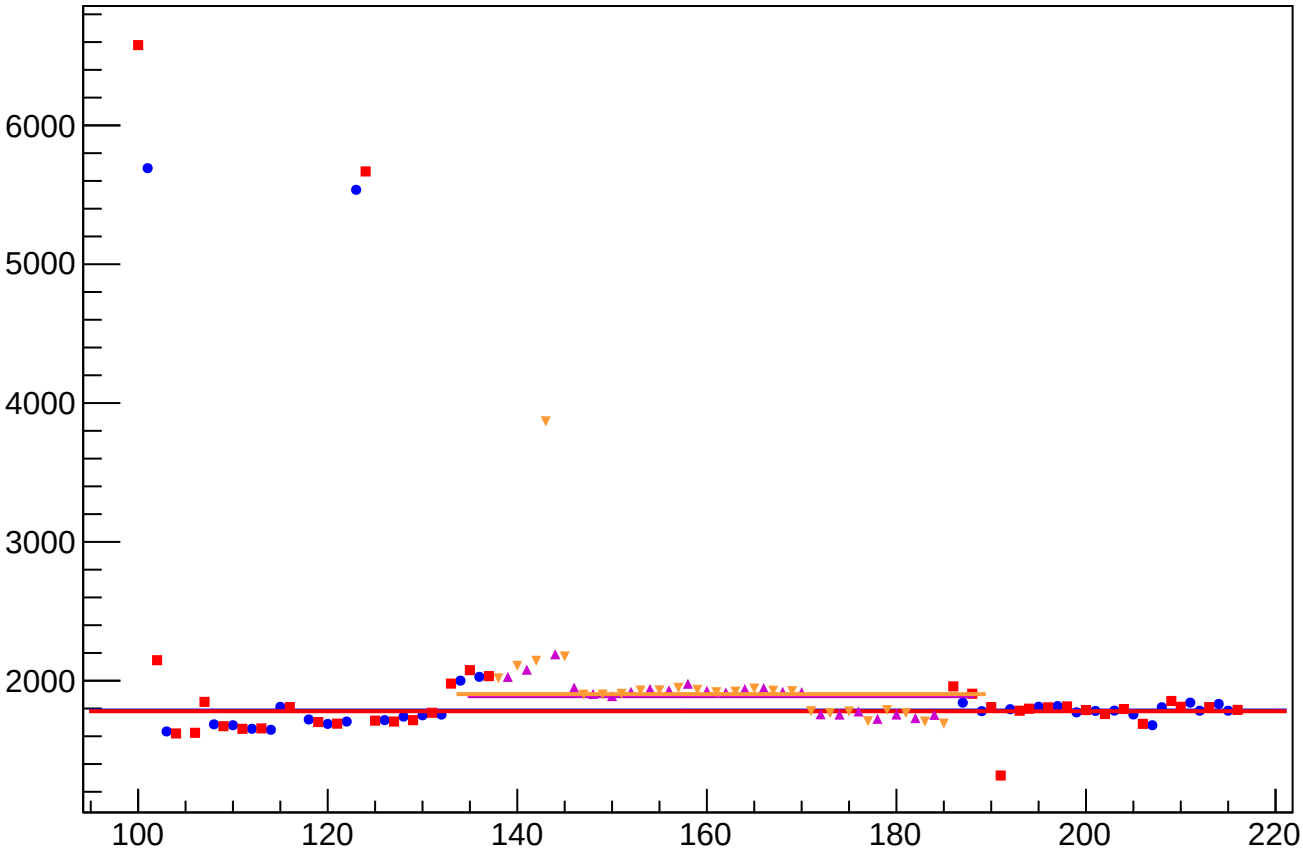
Left: 2284.557+/-318.438 χ^2/NDF: 60.2/47

Right: 2088.648+/-304.614 χ^2/NDF: 55.1/66

In: 2435.758+/-313.598 χ^2/NDF:44.1/54

Out: 1936.068+/-309.044 χ^2/NDF:70.1/59

All: 2182.258+/-220.120 χ^2/NDF: 115.5/114



Right In: 1785.269+/-0.307 χ^2/NDF: 655585.1/31

Left Out: 1903.618+/-0.316 χ^2/NDF:541575.7/24

Right Out: 1780.371+/-0.302 χ^2/NDF: 377098.6/34

Left In: 1888.927+/-0.321 χ^2/NDF:126417.2/22

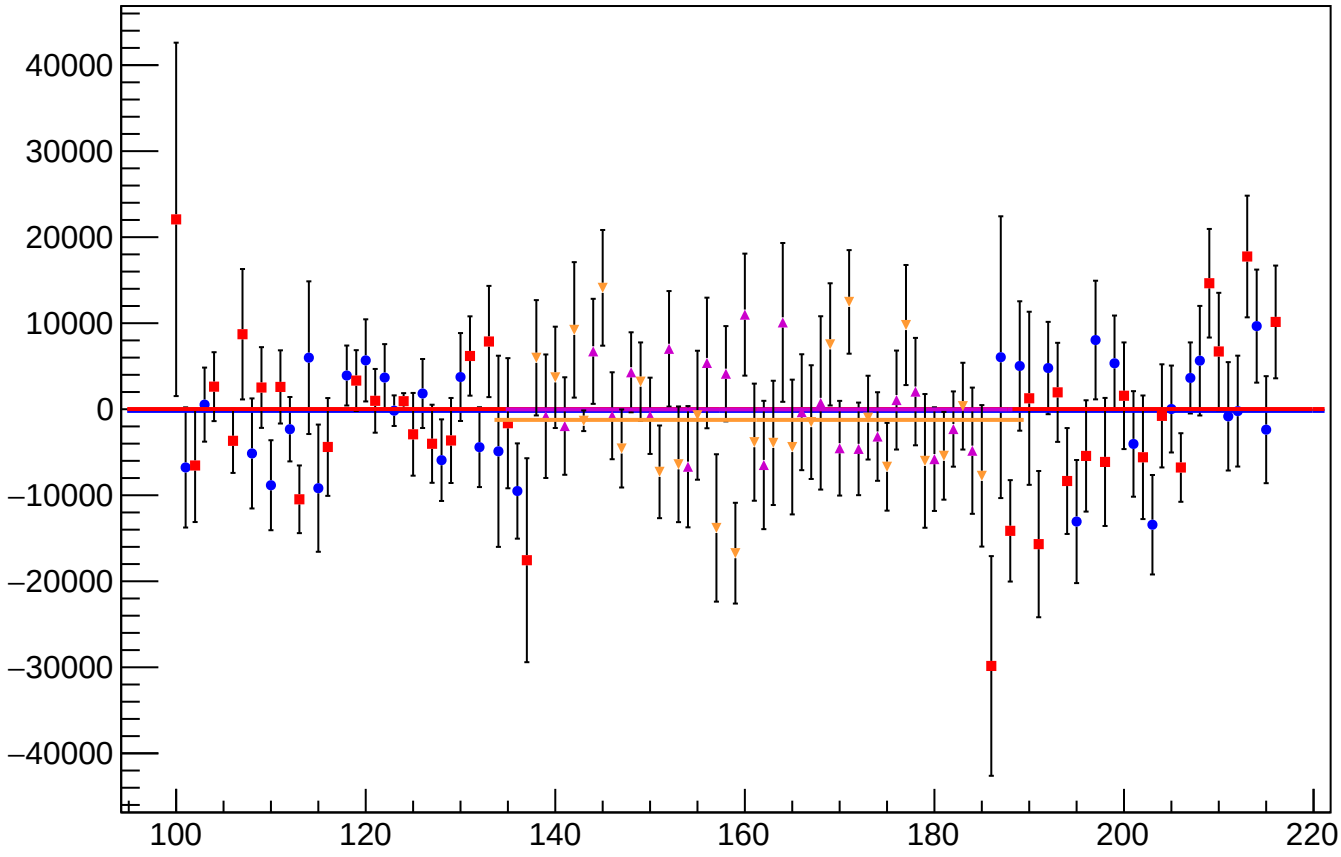
Left: 1896.381+/-0.225 χ^2/NDF: 669056.9/47

Right: 1782.778+/-0.215 χ^2/NDF: 1032813.4/66

In: 1834.795+/-0.222 χ^2/NDF:836524.1/54

Out: 1839.100+/-0.218 χ^2/NDF:998244.0/59

All: 1836.982+/-0.156 χ^2/NDF: 1834959.7/11



Right In: -194.351+/-849.800 χ^2/NDF: 33.4/31

Left Out: -1239.833+/-865.201 χ^2/NDF:33.9/24

Right Out: 22.890+/-662.111 χ^2/NDF: 59.0/34

Left In: -15.863+/-1243.317 χ^2/NDF:13.2/22

Left: -840.501+/-710.172 χ^2/NDF: 47.8/47

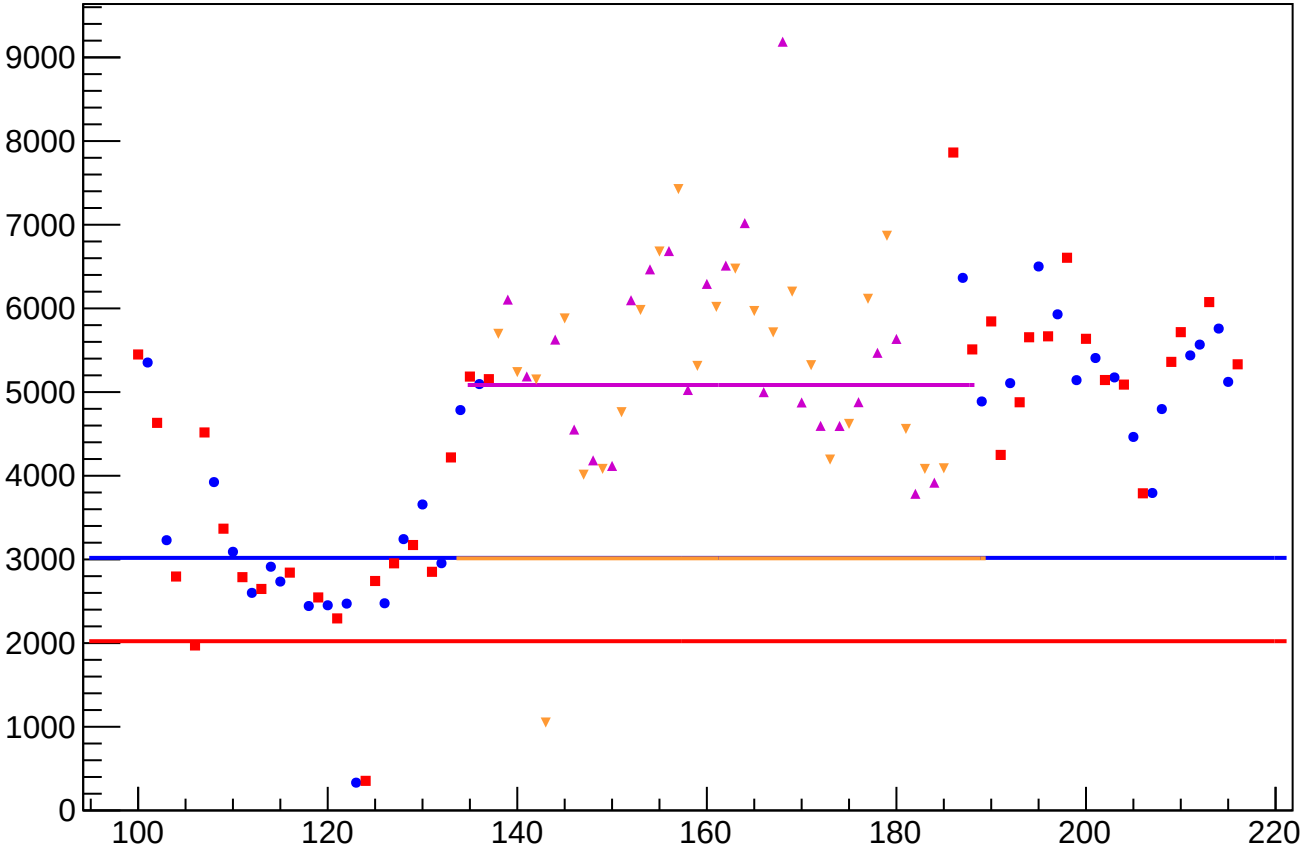
Right: -59.172+/-522.294 χ^2/NDF: 92.4/66

In: -137.518+/-701.580 χ^2/NDF:46.7/54

Out: -443.482+/-525.810 χ^2/NDF:94.2/59

All: -333.435+/-420.756 χ^2/NDF: 141.0/114

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 3018.542+/-0.601 χ^2/NDF: 9176248.8/31

Left Out: 3013.268+/-0.612 χ^2/NDF:12270753.9/24

Right Out: 2022.837+/-0.468 χ^2/NDF: 16841031.9/34

Left In: 5084.645+/-0.879 χ^2/NDF:1303587.7/22

Left: 3689.075+/-0.502 χ^2/NDF: 17314385.8/47

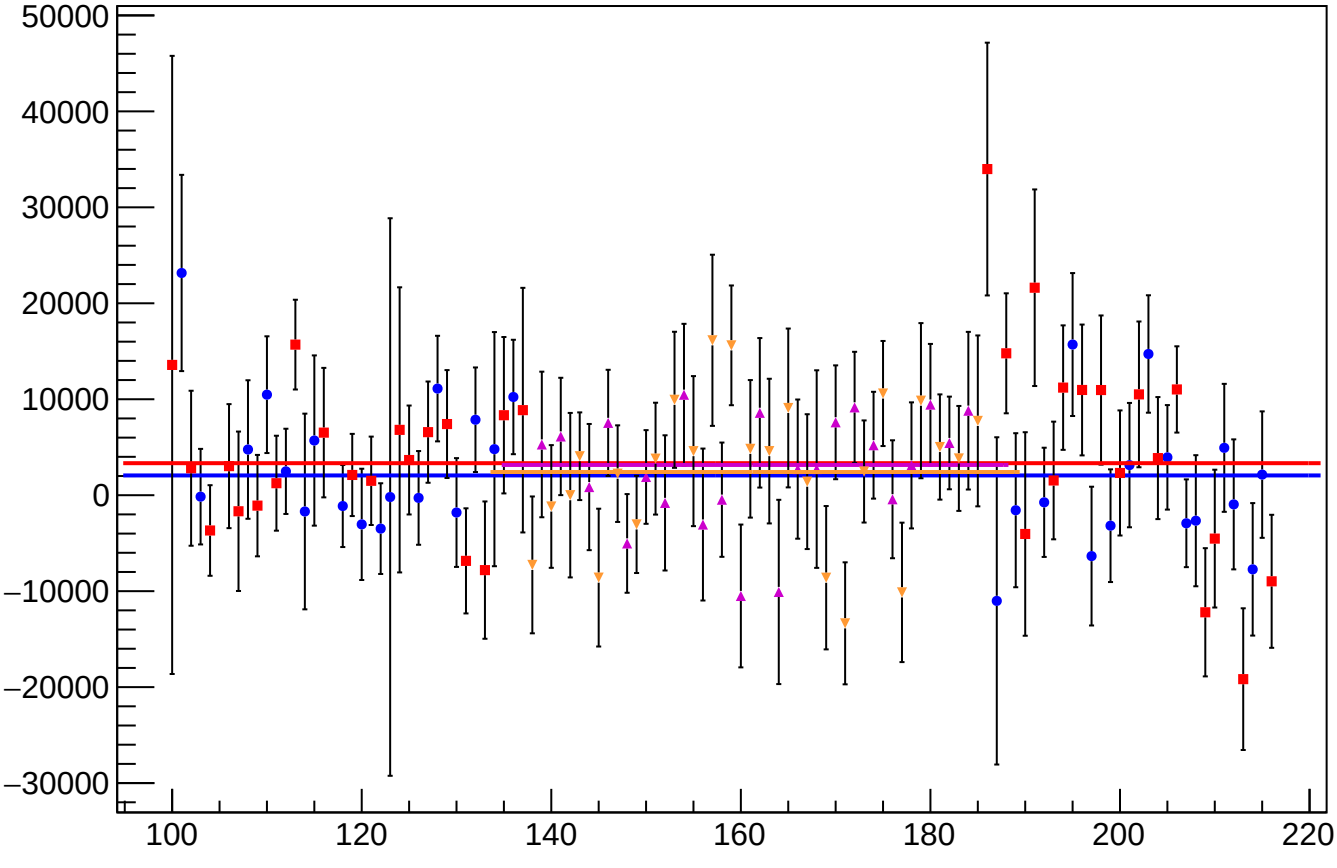
Right: 2398.958+/-0.369 χ^2/NDF: 27725827.3/66

In: 3676.415+/-0.496 χ^2/NDF:14244199.2/54

Out: 2388.641+/-0.372 χ^2/NDF:30764664.3/59

All: 2851.817+/-0.298 χ^2/NDF: 49323634.6/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2059.956+/-1096.323 χ^2/NDF: 31.0/31

Left Out: 2417.210+/-1286.482 χ^2/NDF:29.9/24

Right Out: 3337.190+/-1080.137 χ^2/NDF: 57.5/34

Left In: 3153.449+/-1337.378 χ^2/NDF:15.5/22

Left: 2771.054+/-927.151 χ^2/NDF: 45.5/47

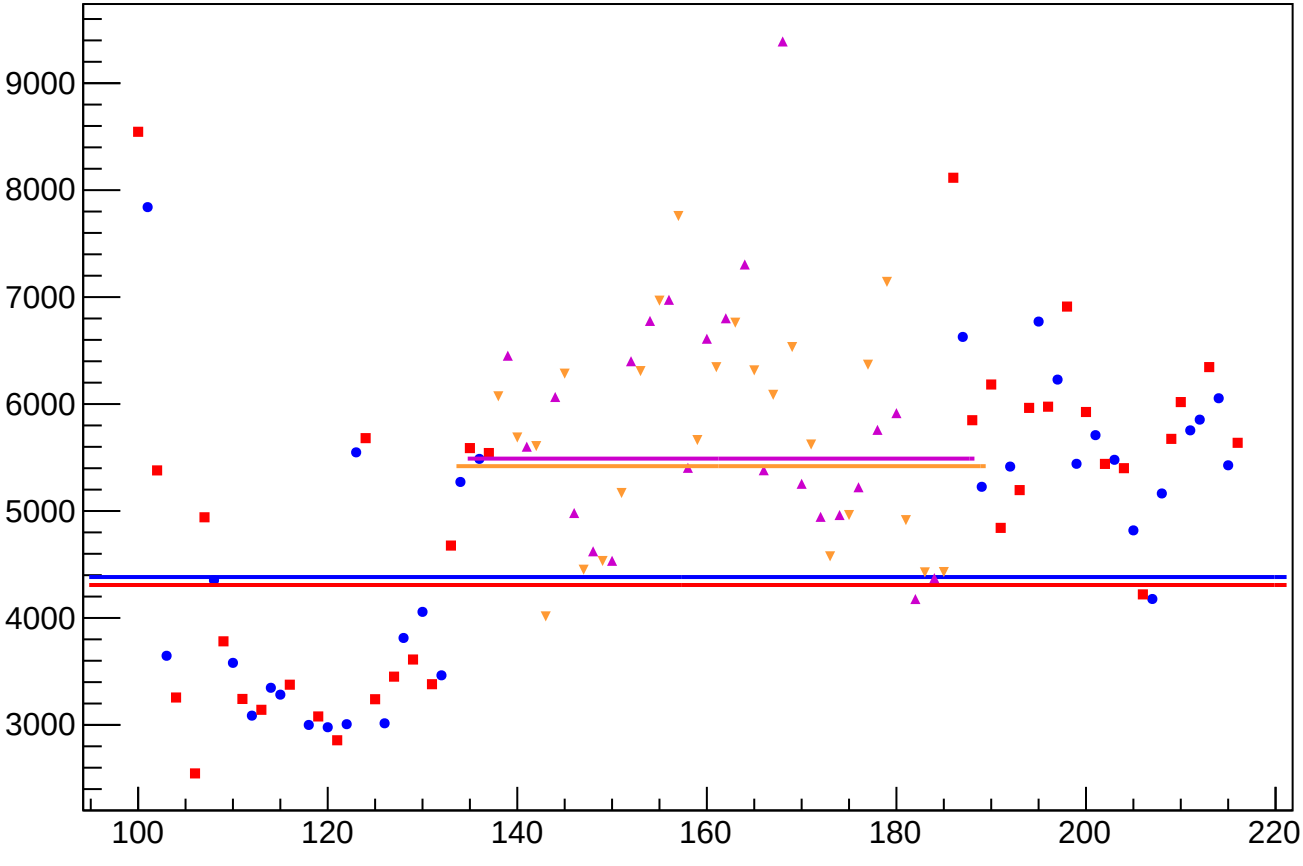
Right: 2708.071+/-769.431 χ^2/NDF: 89.2/66

In: 2499.445+/-847.853 χ^2/NDF:46.9/54

Out: 2956.808+/-827.227 χ^2/NDF:87.7/59

All: 2733.757+/-592.096 χ^2/NDF: 134.8/114

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 4382.632+/-0.775 χ^2/NDF: 2410743.6/31

Left Out: 5419.305+/-0.910 χ^2/NDF:1109972.1/24

Right Out: 4308.184+/-0.757 χ^2/NDF: 2885980.3/34

Left In: 5489.885+/-0.946 χ^2/NDF:1064353.3/22

Left: 5453.227+/-0.656 χ^2/NDF: 2177218.7/47

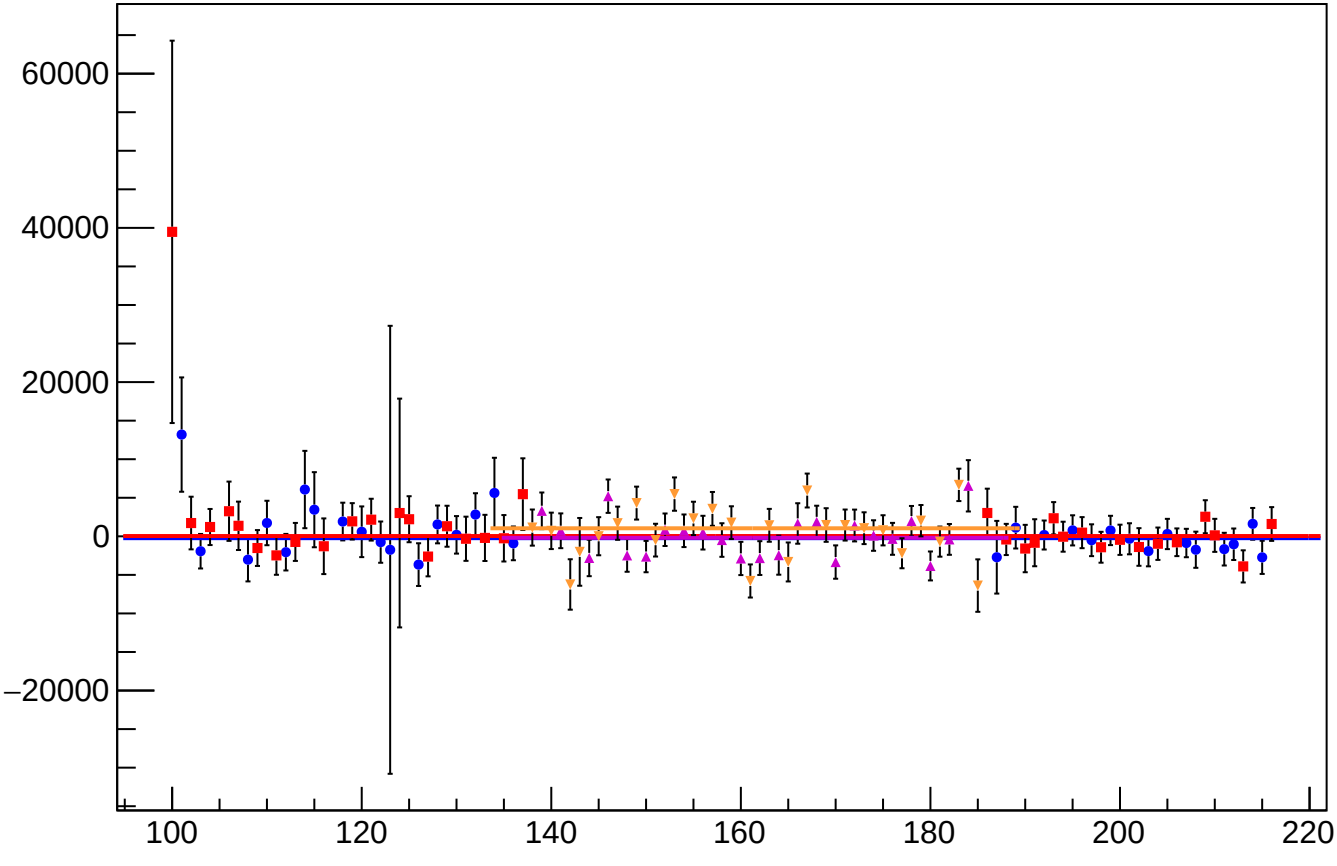
Right: 4344.533+/-0.542 χ^2/NDF: 5301443.7/66

In: 4827.650+/-0.600 χ^2/NDF:4295034.3/54

Out: 4762.950+/-0.582 χ^2/NDF:4877249.5/59

All: 4794.340+/-0.418 χ^2/NDF: 9178280.0/11

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -239.122+/-431.575 χ^2/NDF: 19.2/31

Left Out: 1041.262+/-446.249 χ^2/NDF:48.6/24

Right Out: 36.052+/-425.362 χ^2/NDF: 19.5/34

Left In: -191.966+/-453.055 χ^2/NDF:30.0/22

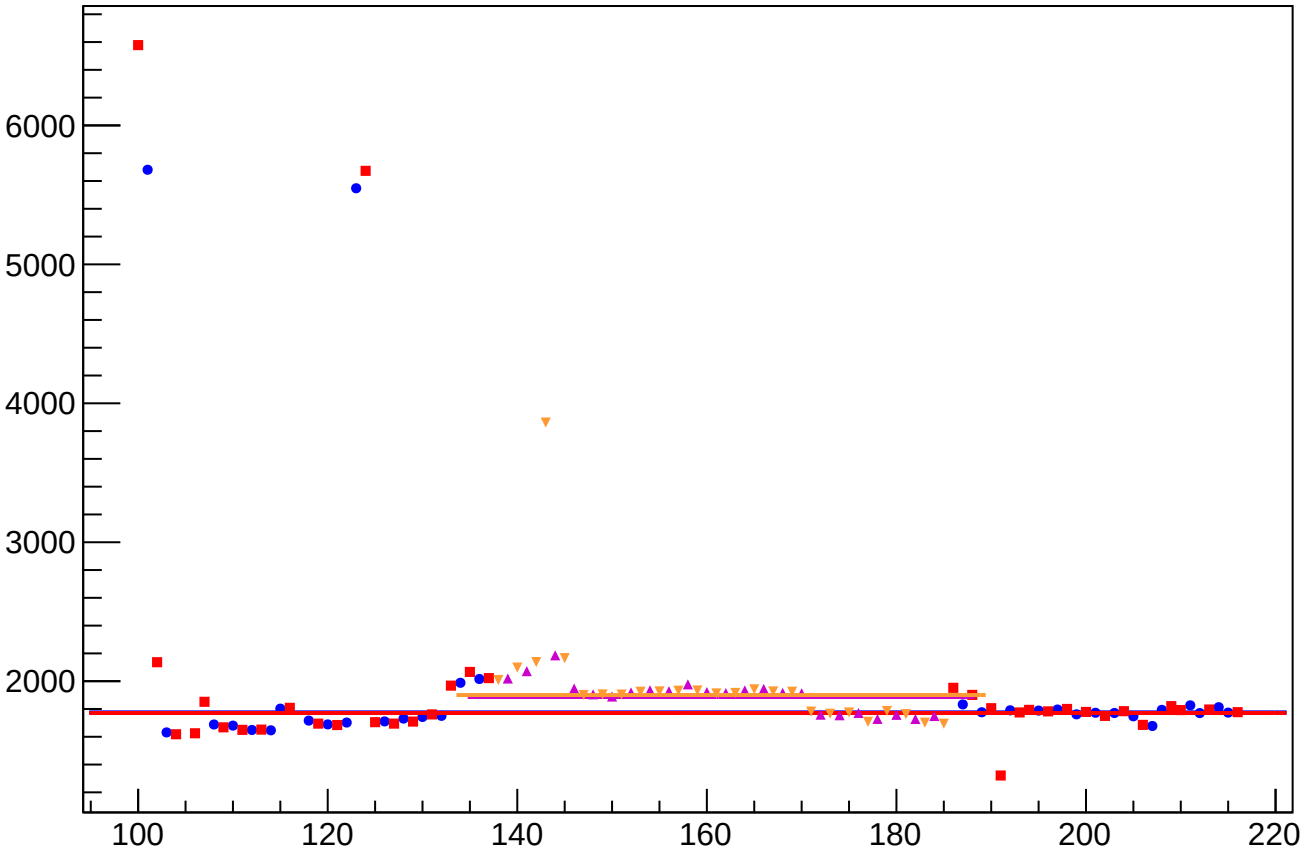
Left: 433.980+/-317.925 χ^2/NDF: 82.3/47

Right: -99.540+/-302.949 χ^2/NDF: 38.9/66

In: -216.689+/-312.487 χ^2/NDF:49.2/54

Out: 514.582+/-307.896 χ^2/NDF:70.7/59

All: 154.359+/-219.320 χ^2/NDF: 122.7/114



Right In: 1775.601+/-0.305 χ^2/NDF: 651820.3/31

Left Out: 1900.295+/-0.316 χ^2/NDF:537892.5/24

Right Out: 1770.955+/-0.300 χ^2/NDF: 371594.9/34

Left In: 1886.378+/-0.320 χ^2/NDF:123520.6/22

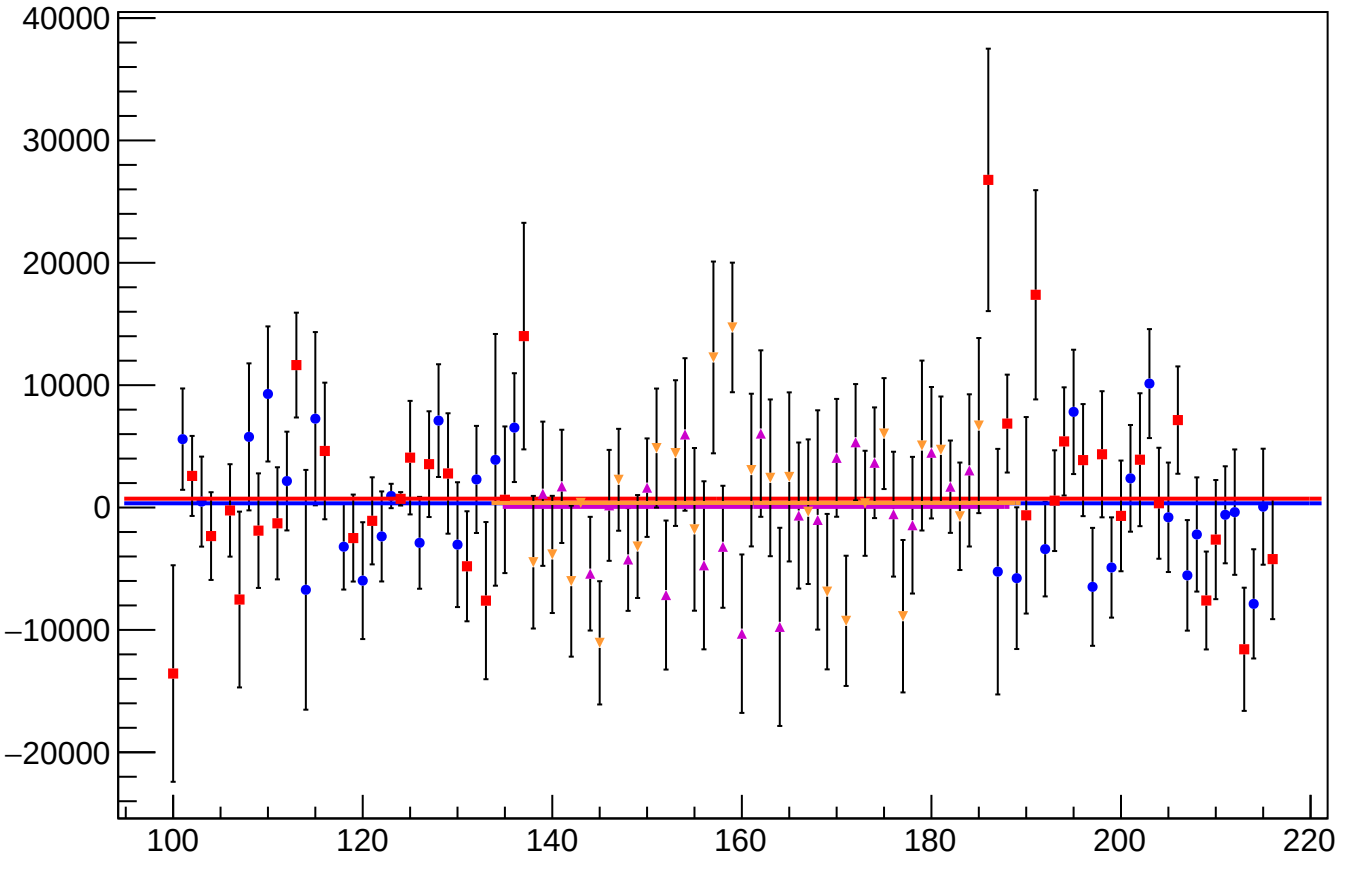
Left: 1893.441+/-0.225 χ^2/NDF: 662371.1/47

Right: 1773.238+/-0.214 χ^2/NDF: 1023533.0/66

In: 1828.301+/-0.221 χ^2/NDF:838028.4/54

Out: 1832.355+/-0.217 χ^2/NDF:997740.0/59

All: 1830.361+/-0.155 χ^2/NDF: 1835939.5/11



Right In: 346.323+/-638.283 χ^2/NDF: 34.7/31

Left Out: 373.277+/-382.071 χ^2/NDF:30.8/24

Right Out: 723.959+/-453.637 χ^2/NDF: 48.5/34

Left In: 53.099+/-1089.888 χ^2/NDF:14.5/22

Left: 338.236+/-360.558 χ^2/NDF: 45.4/47

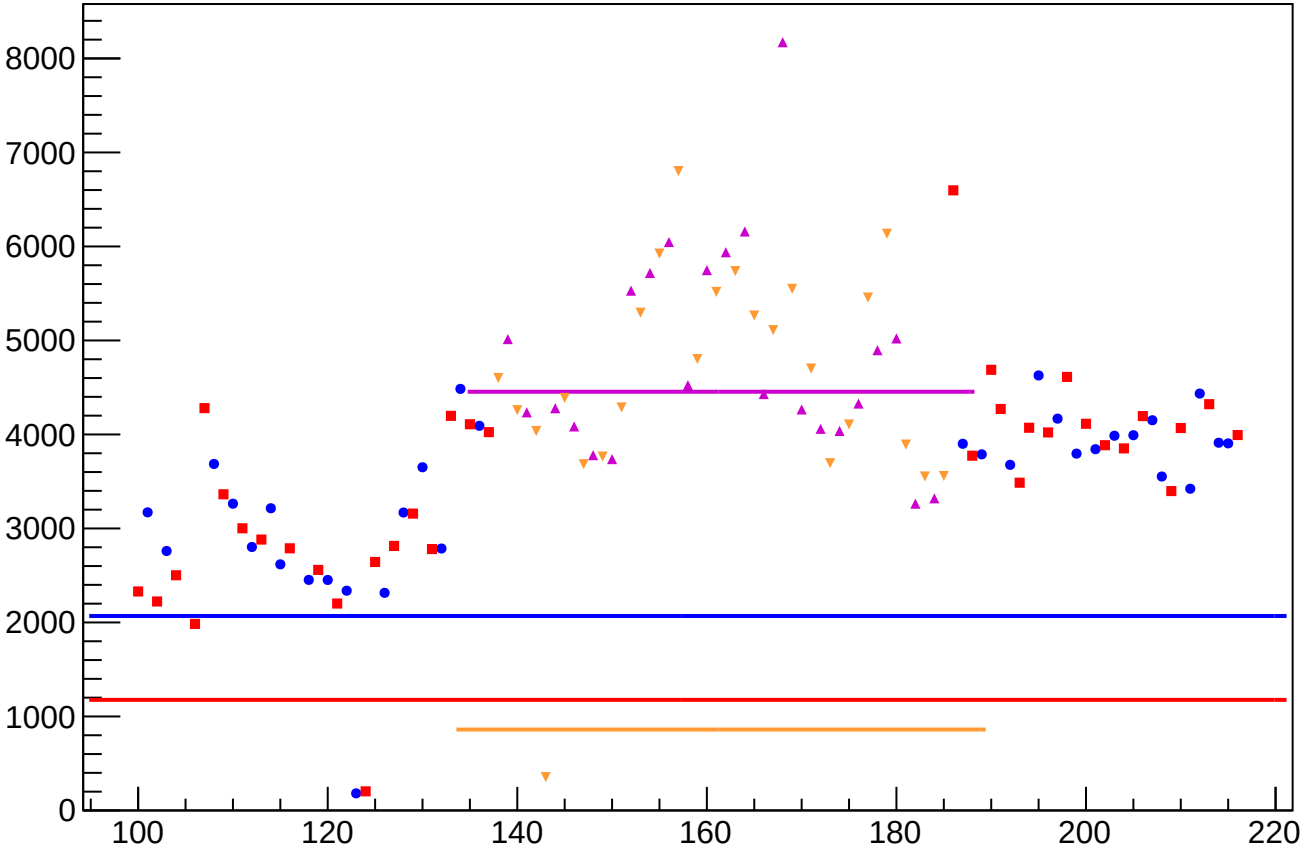
Right: 597.225+/-369.763 χ^2/NDF: 83.5/66

In: 271.438+/-550.782 χ^2/NDF:49.3/54

Out: 518.806+/-292.231 χ^2/NDF:79.7/59

All: 464.467+/-258.146 χ^2/NDF: 129.2/114

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 2068.813+/-0.451 χ^2/NDF: 13515903.2/31

Left Out: 860.545+/-0.270 χ^2/NDF:26340106.5/24

Right Out: 1176.656+/-0.321 χ^2/NDF: 22059007.4/34

Left In: 4454.402+/-0.771 χ^2/NDF:1349758.1/22

Left: 1253.867+/-0.255 χ^2/NDF: 47056303.3/47

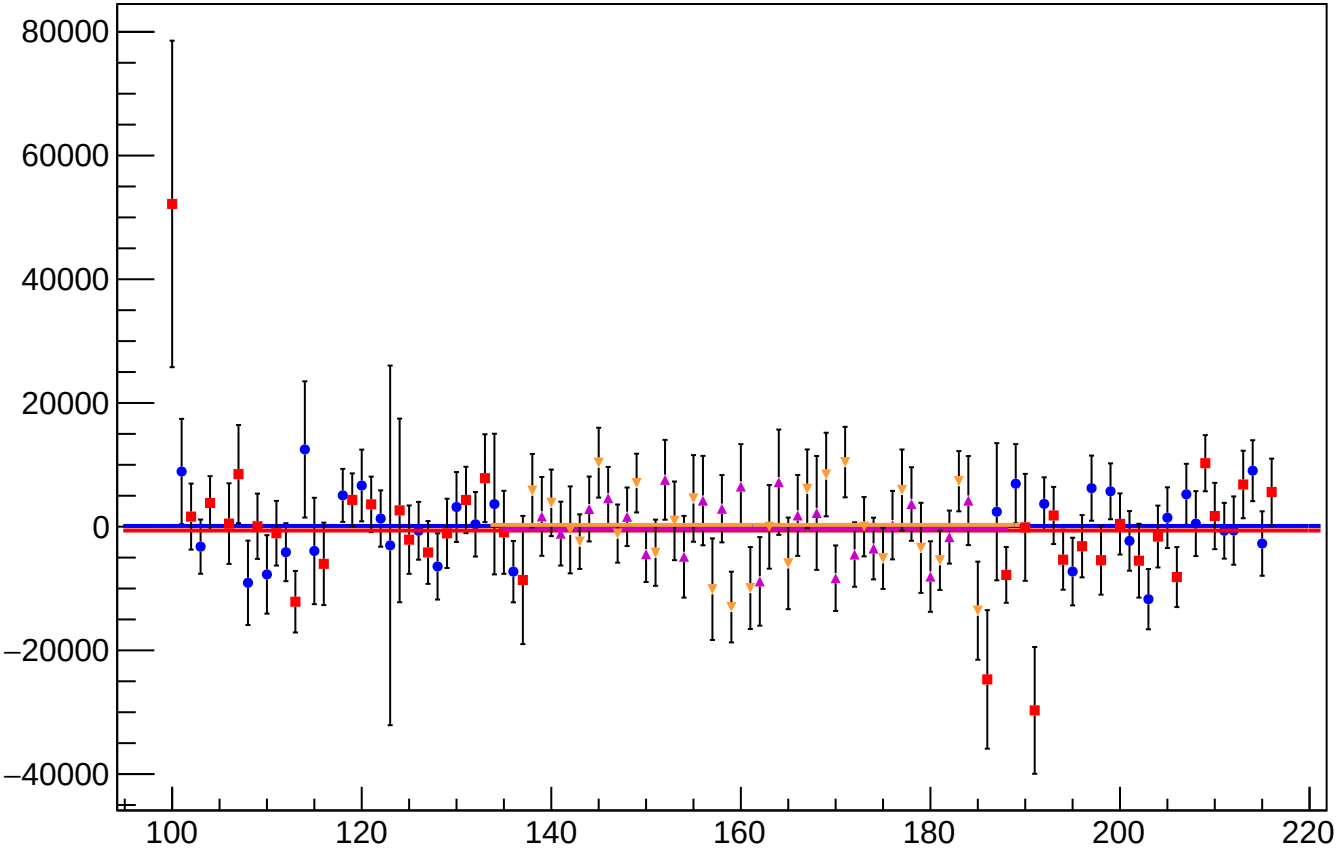
Right: 1476.062+/-0.261 χ^2/NDF: 38170982.4/66

In: 2678.057+/-0.389 χ^2/NDF:22000583.9/54

Out: 991.728+/-0.207 χ^2/NDF:48967254.0/59

All: 1362.165+/-0.183 χ^2/NDF: 85597482.6/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 114.938+/-962.562 χ^2/NDF: 31.6/31

Left Out: 288.508+/-1155.419 χ^2/NDF:32.4/24

Right Out: -621.639+/-950.752 χ^2/NDF: 48.0/34

Left In: -332.488+/-1196.011 χ^2/NDF:14.7/22

Left: -11.273+/-830.984 χ^2/NDF: 47.2/47

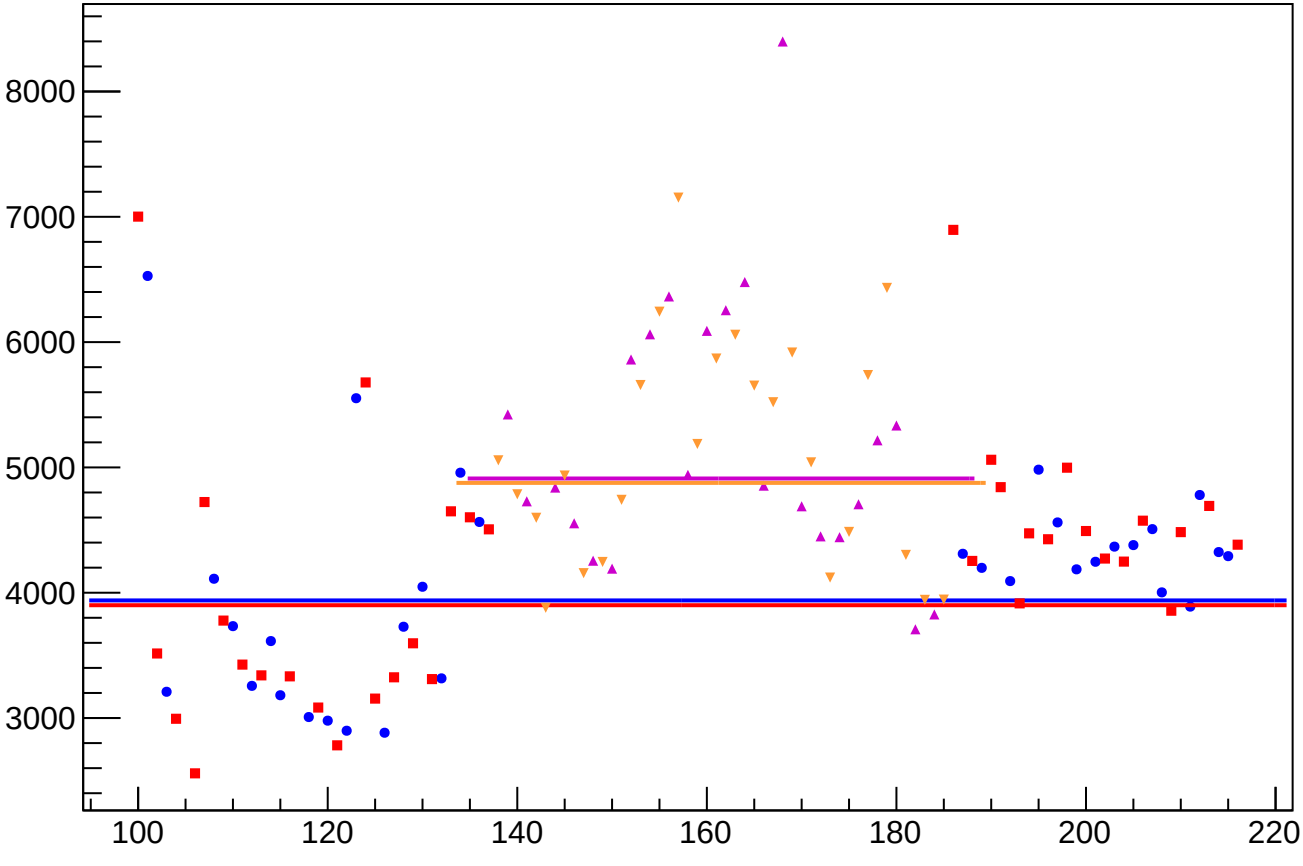
Right: -257.897+/-676.420 χ^2/NDF: 79.9/66

In: -60.945+/-749.872 χ^2/NDF:46.4/54

Out: -254.181+/-734.154 χ^2/NDF:80.8/59

All: -159.610+/-524.594 χ^2/NDF: 127.2/114

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3938.561+/-0.681 χ^2/NDF: 994959.2/31

Left Out: 4876.564+/-0.817 χ^2/NDF:972528.1/24

Right Out: 3900.300+/-0.668 χ^2/NDF: 1213495.5/34

Left In: 4911.546+/-0.846 χ^2/NDF:1043164.6/22

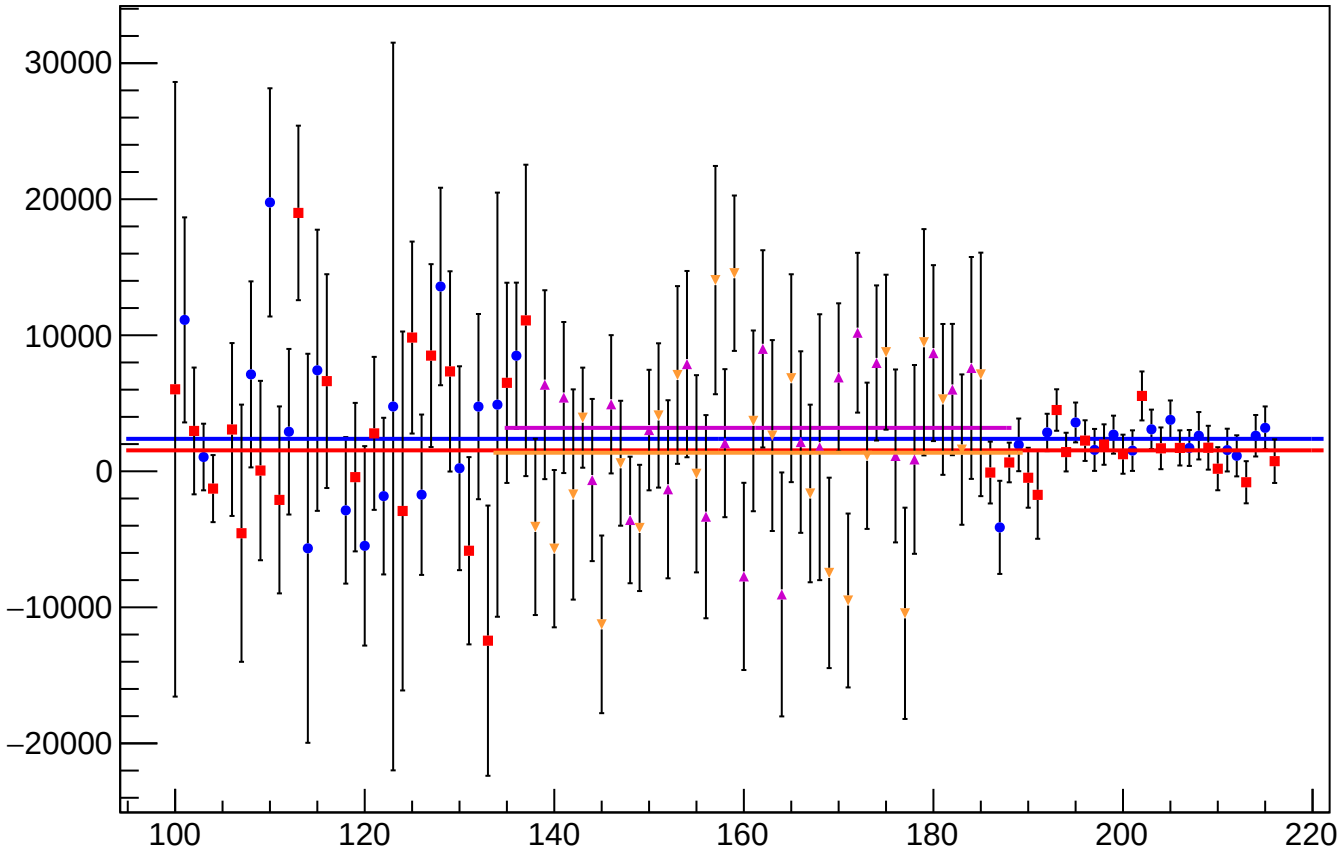
Left: 4893.451+/-0.588 χ^2/NDF: 2016577.8/47

Right: 3919.067+/-0.477 χ^2/NDF: 2210064.8/66

In: 4321.041+/-0.530 χ^2/NDF:2841445.7/54

Out: 4291.304+/-0.517 χ^2/NDF:3042010.1/59

All: 4305.798+/-0.370 χ^2/NDF: 5885068.1/11



Right In: 2385.078+/-384.815 χ^2/NDF: 21.8/31

Left Out: 1365.082+/-1206.268 χ^2/NDF:28.0/24

Right Out: 1539.021+/-385.699 χ^2/NDF: 32.9/34

Left In: 3191.160+/-1270.021 χ^2/NDF:14.0/22

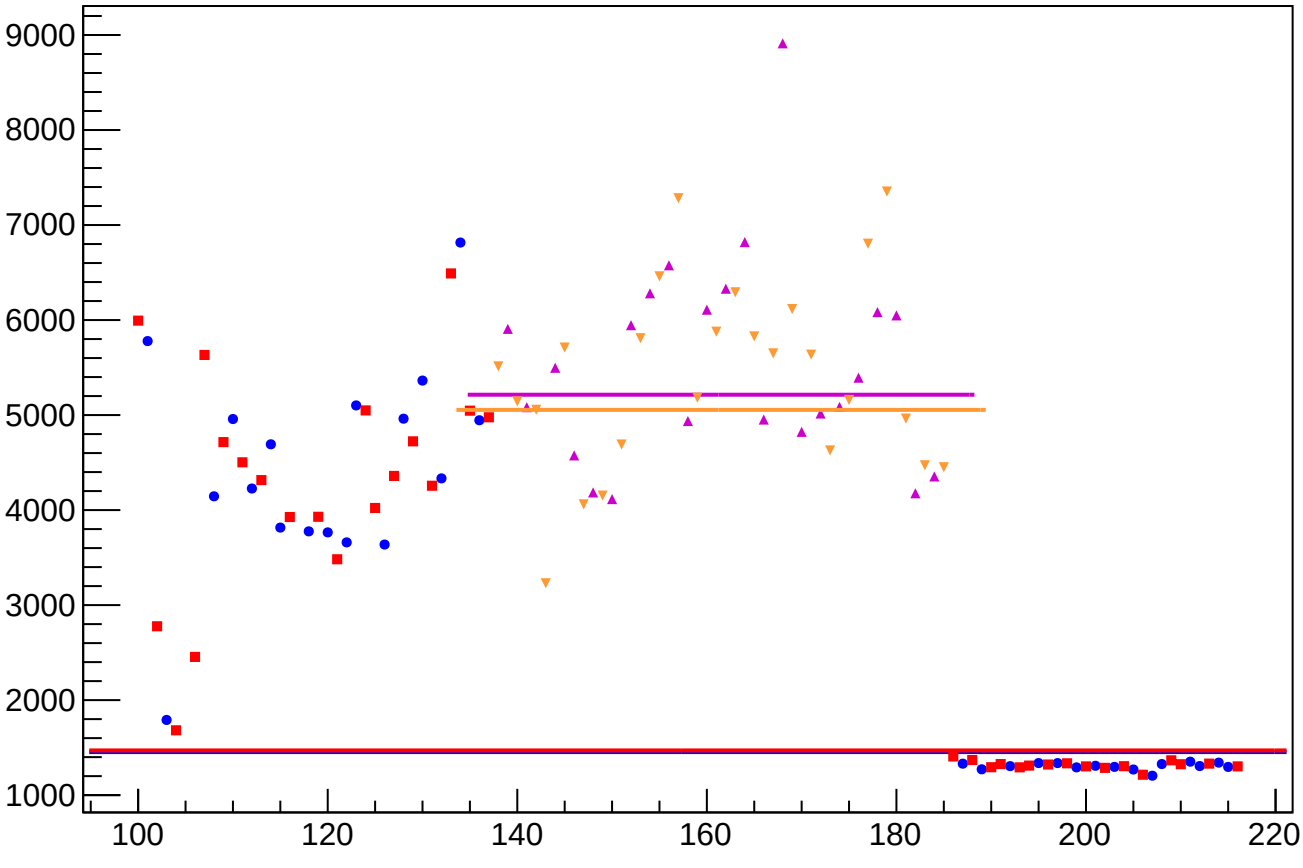
Left: 2231.138+/-874.630 χ^2/NDF: 43.0/47

Right: 1963.020+/-272.417 χ^2/NDF: 57.1/66

In: 2452.860+/-368.281 χ^2/NDF:36.2/54

Out: 1522.888+/-367.376 χ^2/NDF:60.8/59

All: 1986.730+/-260.093 χ^2/NDF: 100.2/114



Right In: 1453.093+/-0.272 χ^2/NDF: 5913869.4/31

Left Out: 5054.711+/-0.853 χ^2/NDF:1437224.7/24

Right Out: 1470.533+/-0.273 χ^2/NDF: 5828296.8/34

Left In: 5214.120+/-0.898 χ^2/NDF:1052501.5/22

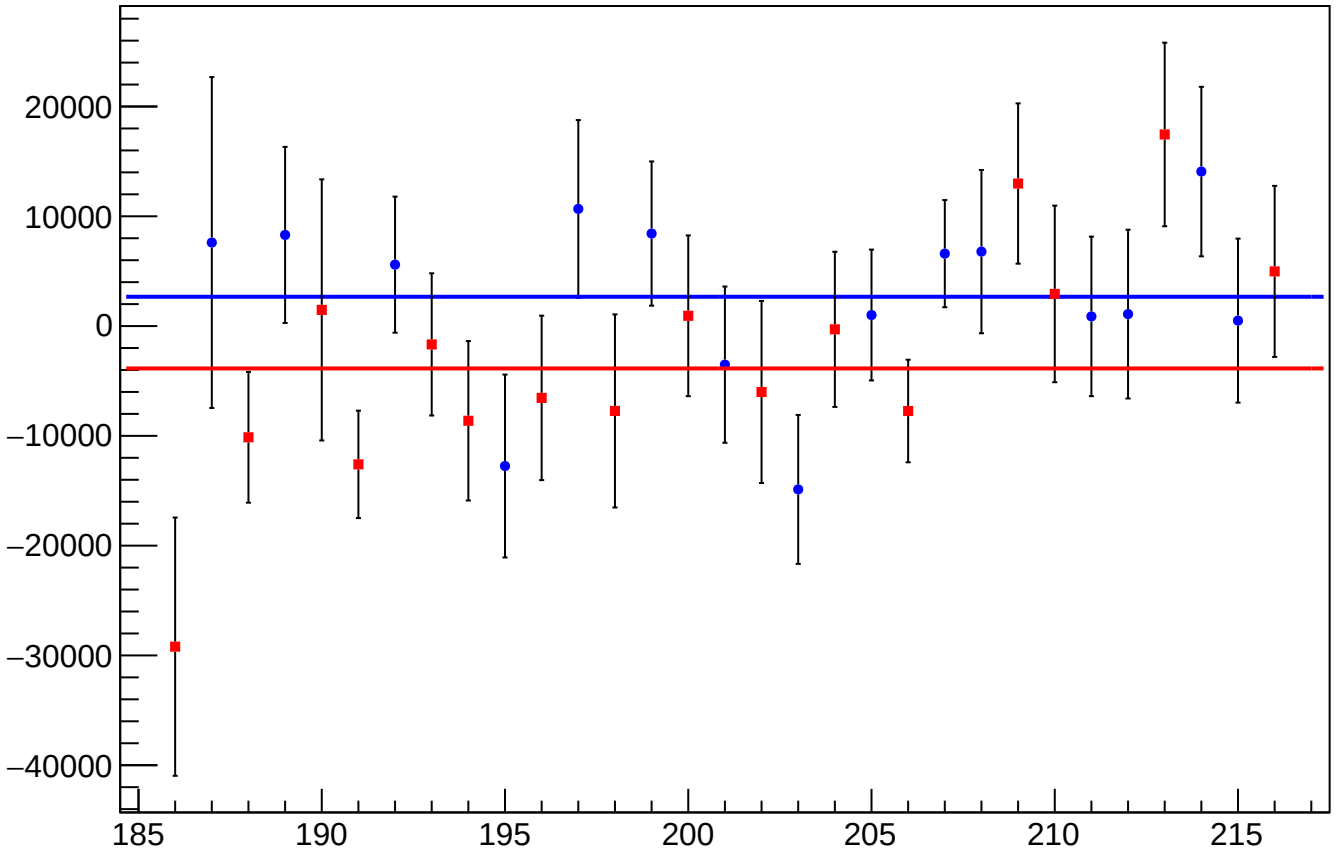
Left: 5130.314+/-0.618 χ^2/NDF: 2506291.2/47

Right: 1461.799+/-0.193 χ^2/NDF: 11744217.0/66

In: 1769.350+/-0.260 χ^2/NDF:23031147.6/54

Out: 1802.545+/-0.260 χ^2/NDF:23287088.7/59

All: 1785.999+/-0.184 χ^2/NDF: 46326385.5/1



Right In: 2669.113+/-1828.437 χ^2/NDF: 16.8/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -3858.327+/-1762.712 χ^2/NDF: 25.3/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

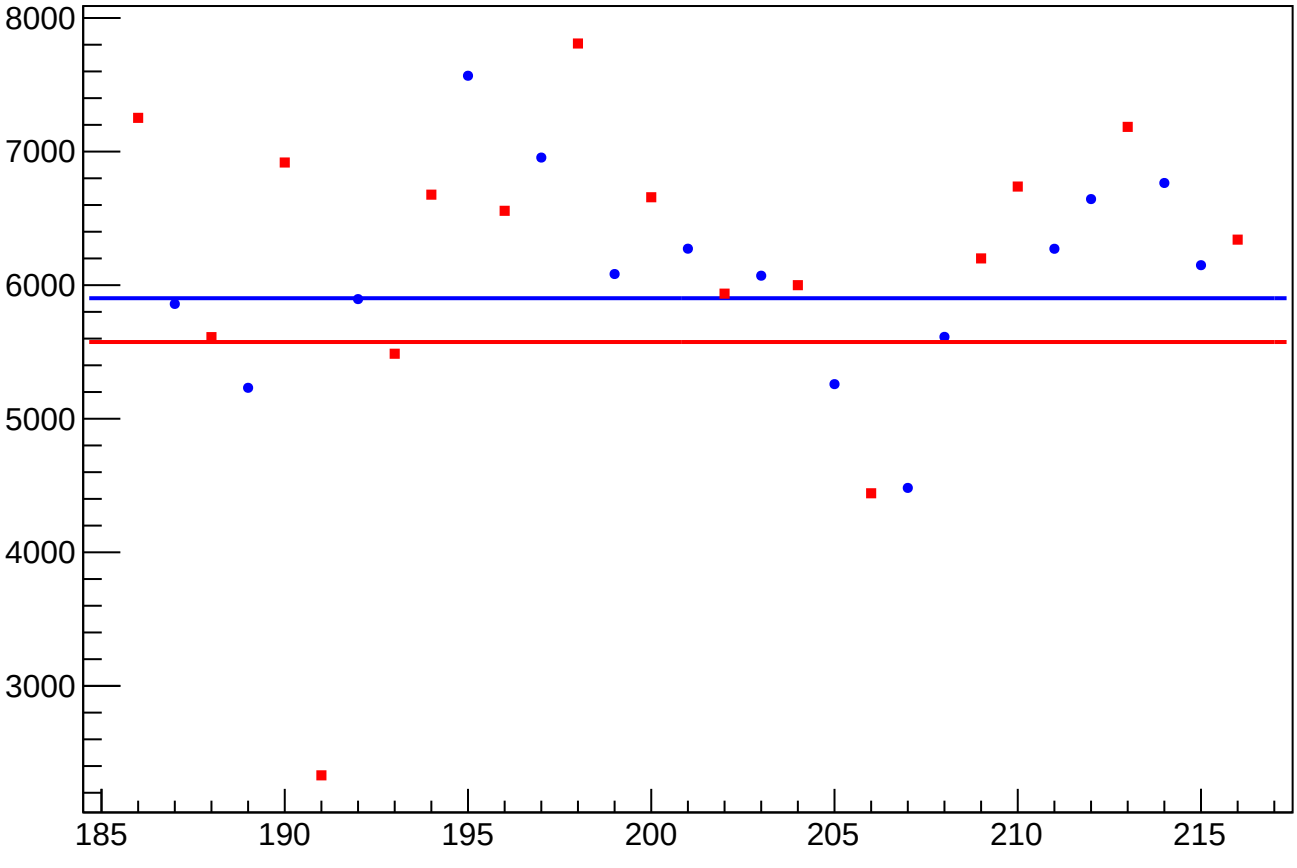
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -714.032+/-1269.025 χ^2/NDF: 48.7/30

In: 2669.113+/-1828.437 χ^2/NDF:16.8/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: -714.032+/-1269.025 χ^2/NDF: 48.7/30



Right In: 5902.293+/-1.293 χ^2/NDF: 382658.3/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 5574.346+/-1.246 χ^2/NDF: 1477588.8/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

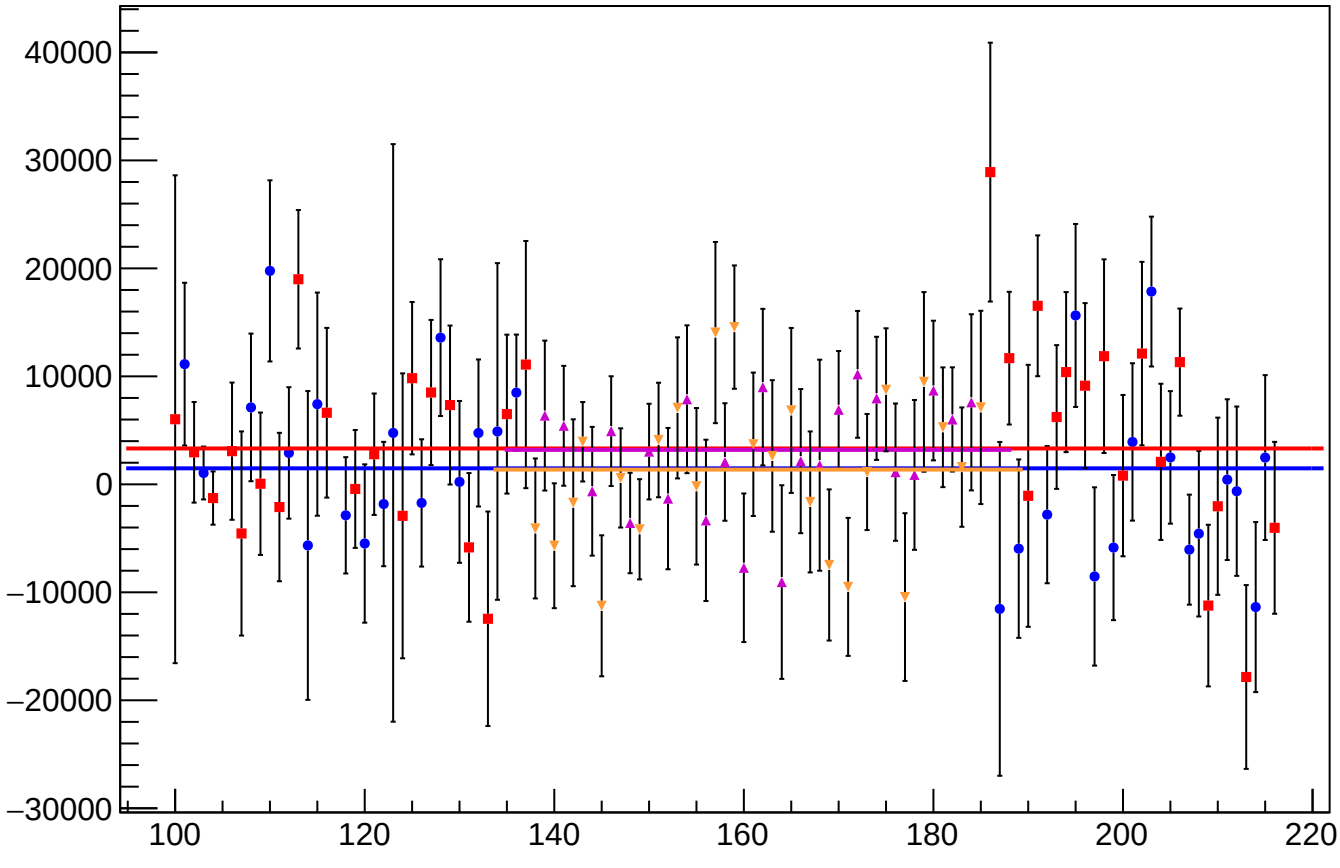
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 5732.319+/-0.897 χ^2/NDF: 1893594.1/30

In: 5902.293+/-1.293 χ^2/NDF:382658.3/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 5732.319+/-0.897 χ^2/NDF: 1893594.1/30



Right In: 1481.399+/-1150.579 χ^2/NDF: 33.4/31

Left Out: 1365.082+/-1206.268 χ^2/NDF:28.0/24

Right Out: 3321.437+/-1111.125 χ^2/NDF: 46.9/34

Left In: 3191.160+/-1270.021 χ^2/NDF:14.0/22

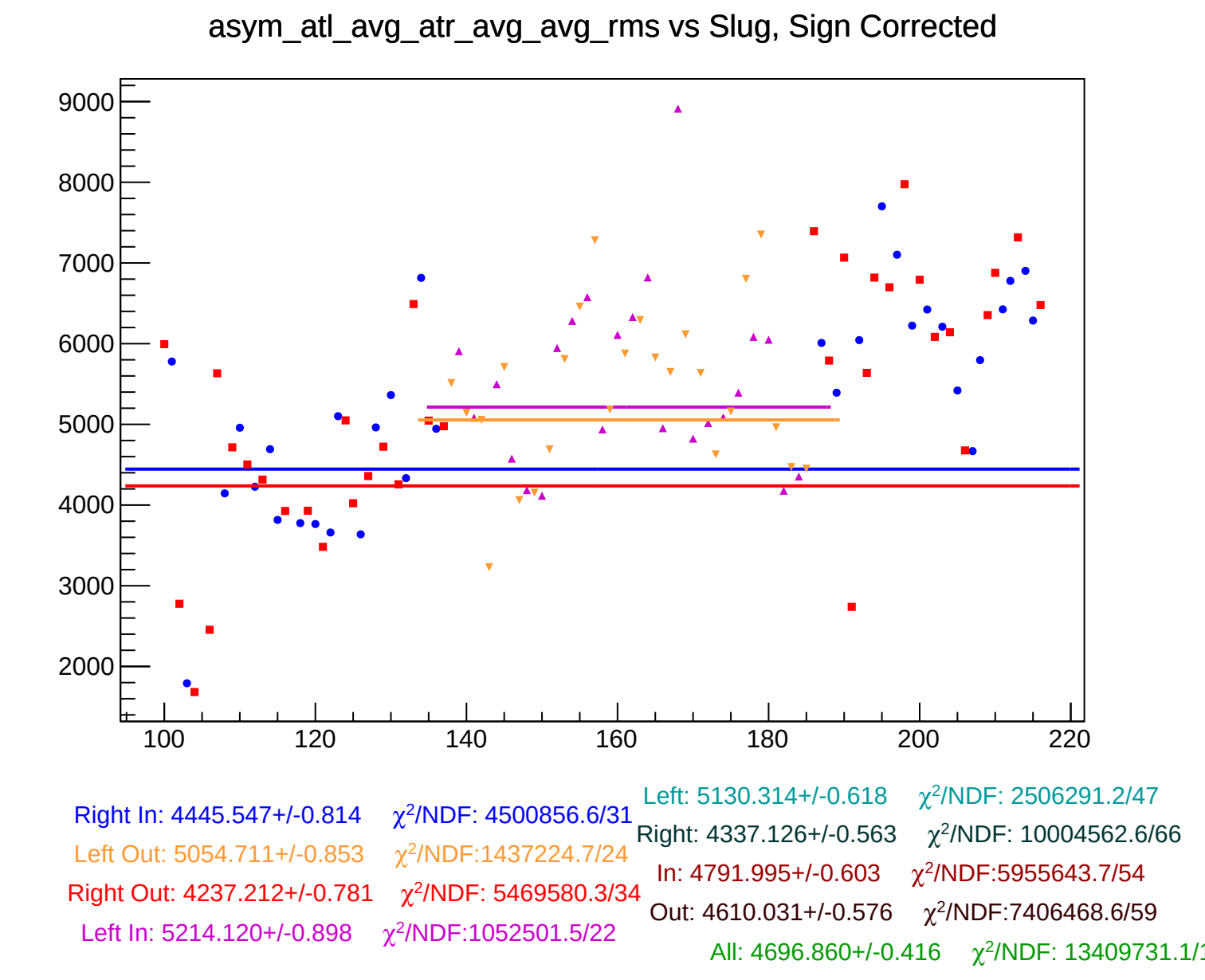
Left: 2231.138+/-874.630 χ^2/NDF: 43.0/47

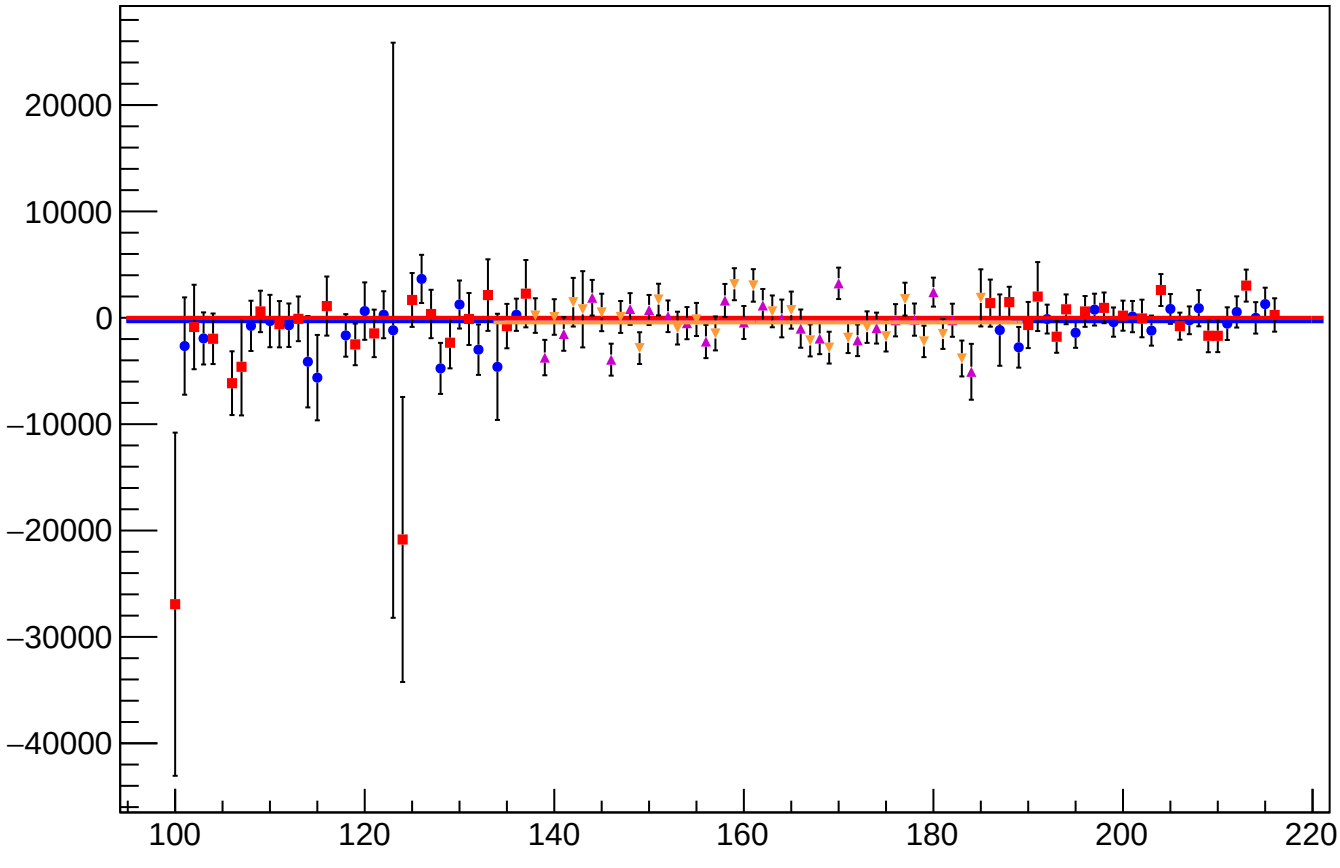
Right: 2433.507+/-799.268 χ^2/NDF: 81.6/66

In: 2252.118+/-852.690 χ^2/NDF:48.4/54

Out: 2423.444+/-817.253 χ^2/NDF:76.3/59

All: 2341.415+/-590.015 χ^2/NDF: 124.7/114


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4445.547+/-0.814 χ²/NDF: 4500856.6/31
Left Out: 5054.711+/-0.853 χ²/NDF:1437224.7/24
Right Out: 4237.212+/-0.781 χ²/NDF: 5469580.3/34
Left In: 5214.120+/-0.898 χ²/NDF:1052501.5/22
Left: 5130.314+/-0.618 χ²/NDF: 2506291.2/47
Right: 4337.126+/-0.563 χ²/NDF: 10004562.6/66
In: 4791.995+/-0.603 χ²/NDF:5955643.7/54
Out: 4610.031+/-0.576 χ²/NDF:7406468.6/59
All: 4696.860+/-0.416 χ²/NDF: 13409731.1/1



Right In: -324.170+/-328.285 χ^2/NDF: 19.1/31

Left Out: -431.715+/-320.540 χ^2/NDF:33.1/24

Right Out: -0.836+/-328.272 χ^2/NDF: 30.2/34

Left In: -343.737+/-324.368 χ^2/NDF:33.8/22

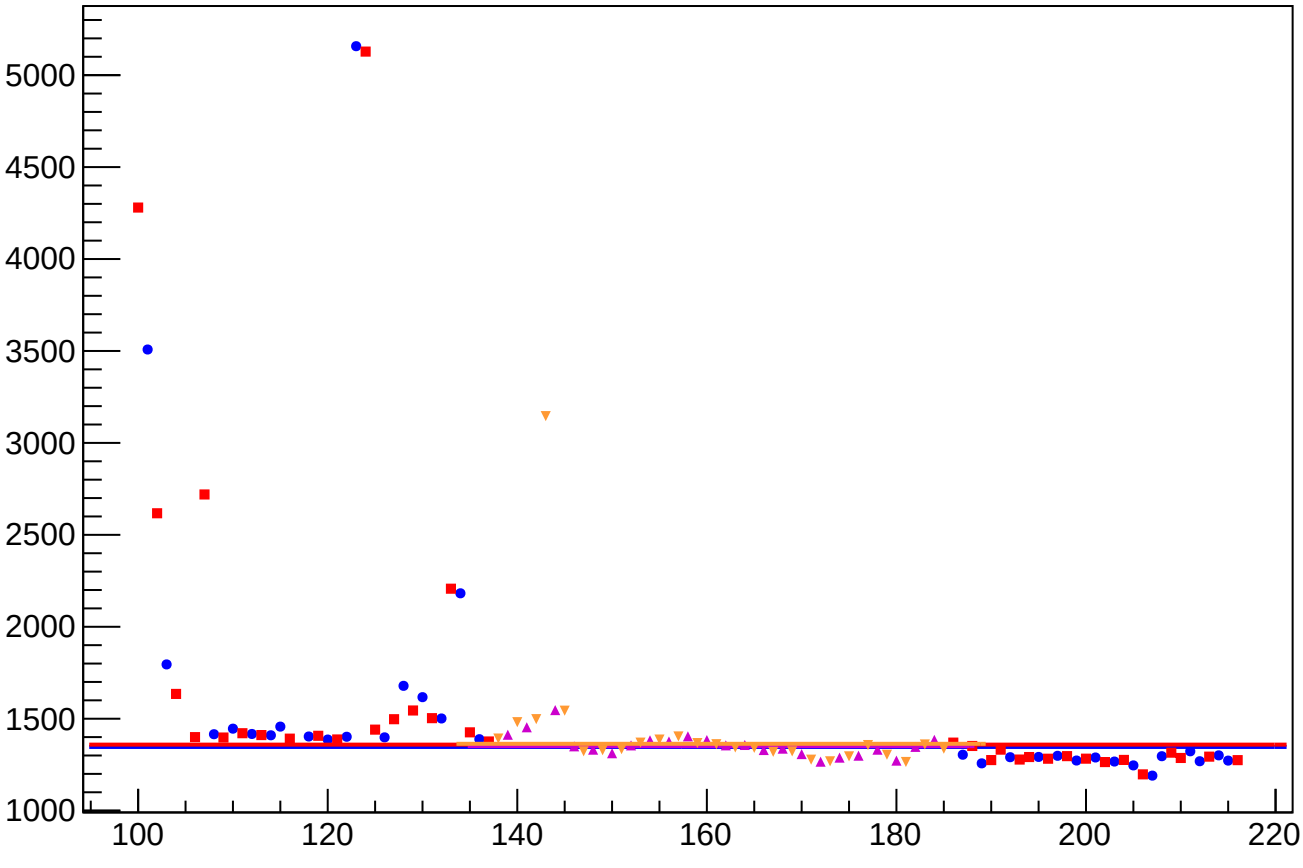
Left: -388.248+/-227.997 χ^2/NDF: 66.9/47

Right: -162.496+/-232.128 χ^2/NDF: 49.8/66

In: -334.071+/-230.735 χ^2/NDF:52.9/54

Out: -221.409+/-229.341 χ^2/NDF:64.1/59

All: -277.398+/-162.659 χ^2/NDF: 117.1/114



Right In: 1346.501+/-0.232 χ^2/NDF: 781691.6/31

Left Out: 1363.561+/-0.227 χ^2/NDF:575226.6/24

Right Out: 1359.082+/-0.232 χ^2/NDF: 880913.6/34

Left In: 1350.909+/-0.229 χ^2/NDF:67144.5/22

Left: 1357.310+/-0.161 χ^2/NDF: 643910.7/47

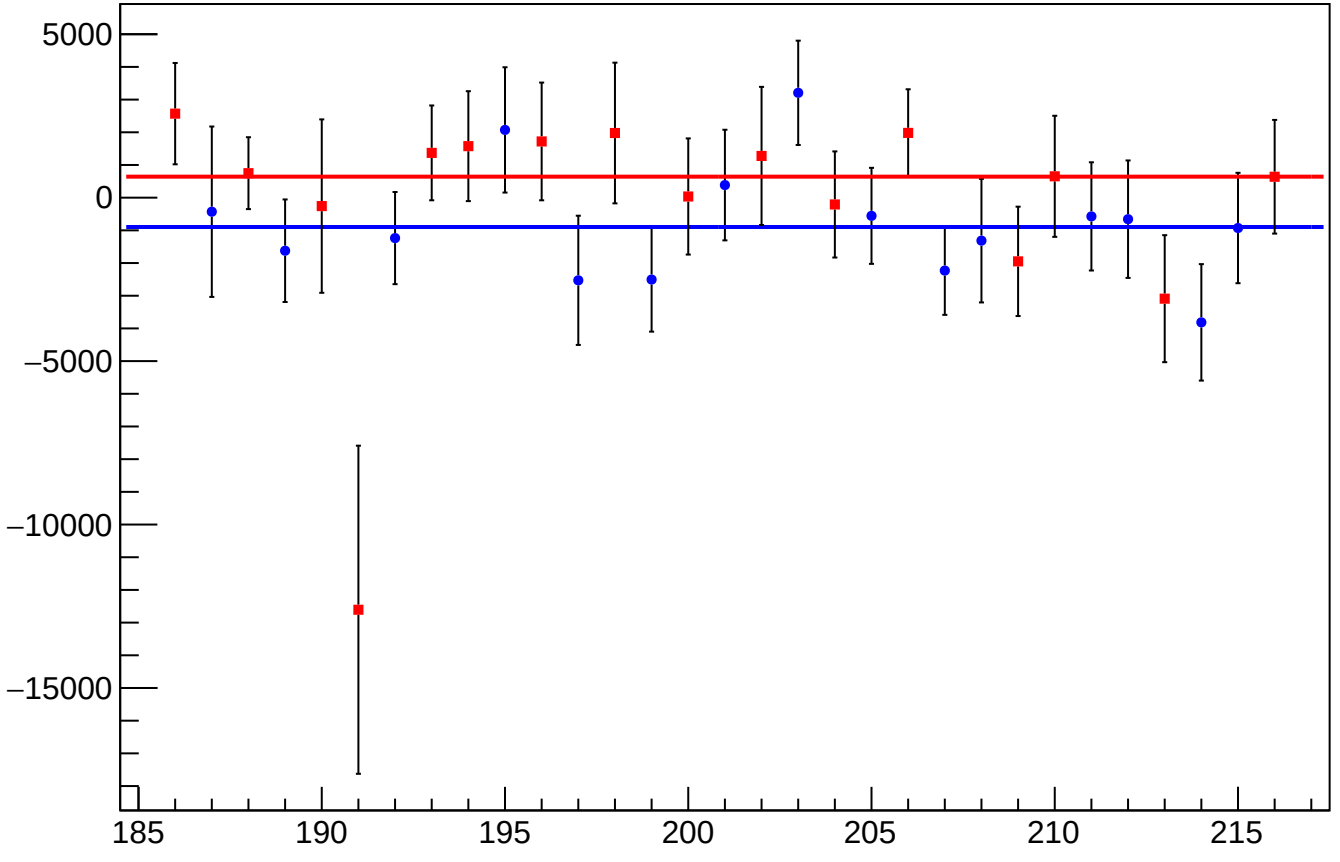
Right: 1352.792+/-0.164 χ^2/NDF: 1664073.8/66

In: 1348.731+/-0.163 χ^2/NDF:849018.5/54

Out: 1361.375+/-0.162 χ^2/NDF:1456330.9/59

All: 1355.091+/-0.115 χ^2/NDF: 2308370.2/11

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -897.613+/-432.317 χ^2/NDF: 15.4/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 642.330+/-426.226 χ^2/NDF: 17.5/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

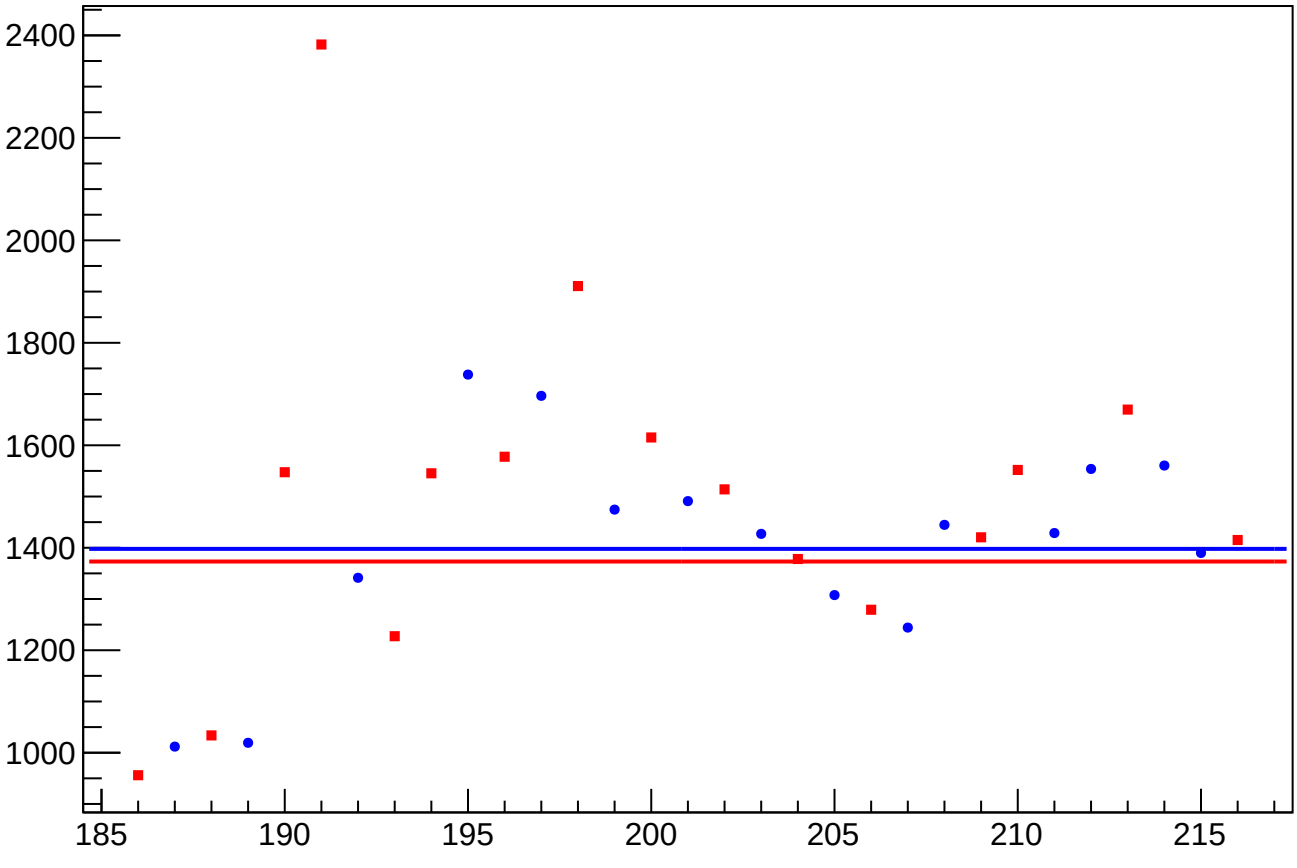
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -116.717+/-303.518 χ^2/NDF: 39.4/30

In: -897.613+/-432.317 χ^2/NDF:15.4/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: -116.717+/-303.518 χ^2/NDF: 39.4/30



Right In: 1397.840+/-0.306 χ^2/NDF: 350547.5/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 1373.139+/-0.301 χ^2/NDF: 740585.2/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

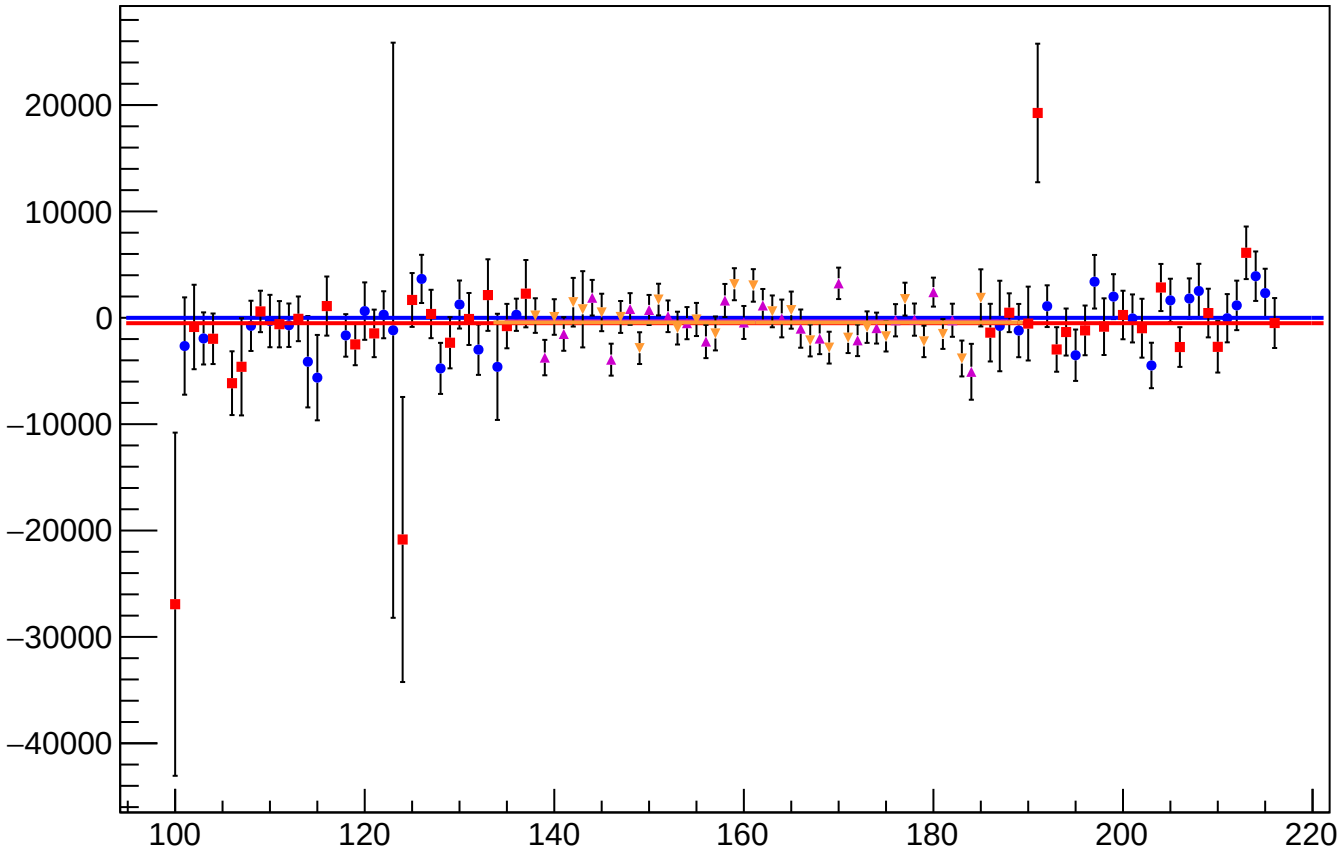
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 1385.314+/-0.215 χ^2/NDF: 1094443.6/30

In: 1397.840+/-0.306 χ^2/NDF:350547.5/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 1385.314+/-0.215 χ^2/NDF: 1094443.6/30



Right In: -3.701+/-422.631 χ^2/NDF: 30.6/31

Left Out: -431.715+/-320.540 χ^2/NDF:33.1/24

Right Out: -508.515+/-421.459 χ^2/NDF: 37.8/34

Left In: -343.737+/-324.368 χ^2/NDF:33.8/22

Left: -388.248+/-227.997 χ^2/NDF: 66.9/47

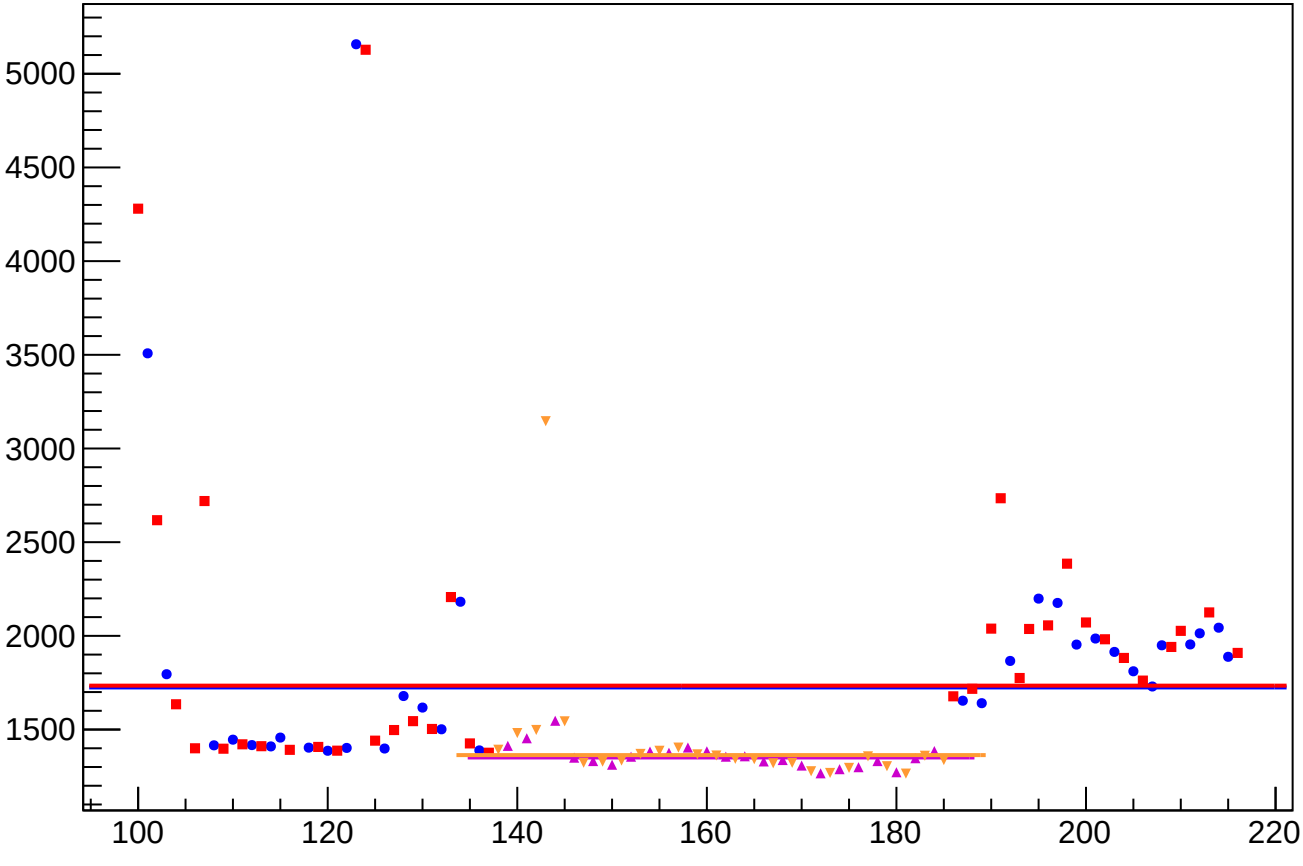
Right: -256.809+/-298.430 χ^2/NDF: 69.2/66

In: -217.688+/-257.318 χ^2/NDF:64.8/54

Out: -459.859+/-255.134 χ^2/NDF:70.9/59

All: -339.805+/-181.174 χ^2/NDF: 136.2/114

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1724.760+/-0.299 χ^2/NDF: 1106630.6/31

Left Out: 1363.561+/-0.227 χ^2/NDF:575226.6/24

Right Out: 1734.265+/-0.298 χ^2/NDF: 1304081.2/34

Left In: 1350.909+/-0.229 χ^2/NDF:67144.5/22

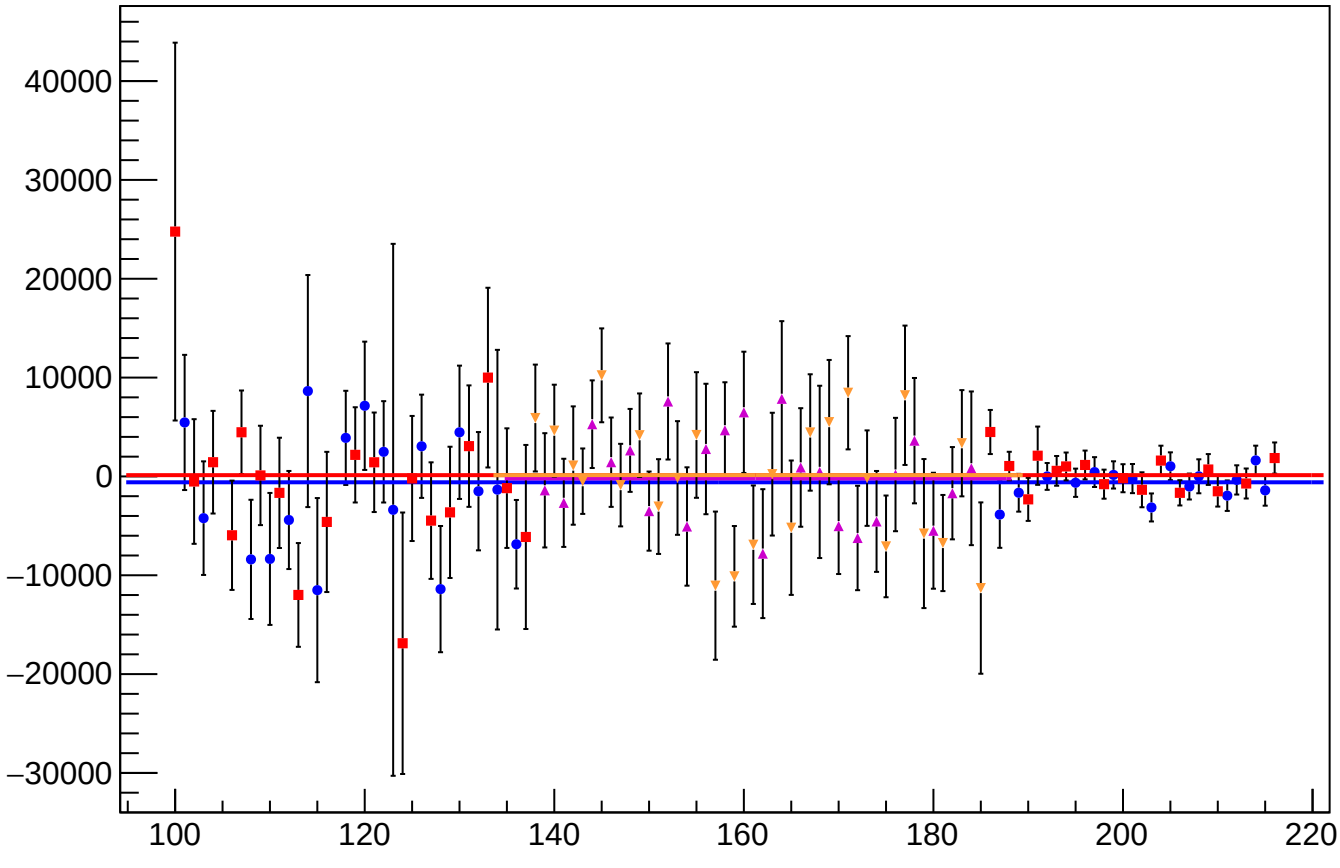
Left: 1357.310+/-0.161 χ^2/NDF: 643910.7/47

Right: 1729.526+/-0.211 χ^2/NDF: 2411219.0/66

In: 1489.494+/-0.182 χ^2/NDF:2158620.6/54

Out: 1499.410+/-0.180 χ^2/NDF:2859586.4/59

All: 1494.494+/-0.128 χ^2/NDF: 5019704.9/11



Right In: -593.407+/-380.142 χ^2/NDF: 25.7/31

Left Out: 132.142+/-1065.543 χ^2/NDF:28.1/24

Right Out: 129.208+/-379.442 χ^2/NDF: 28.3/34

Left In: -200.182+/-1123.499 χ^2/NDF:14.7/22

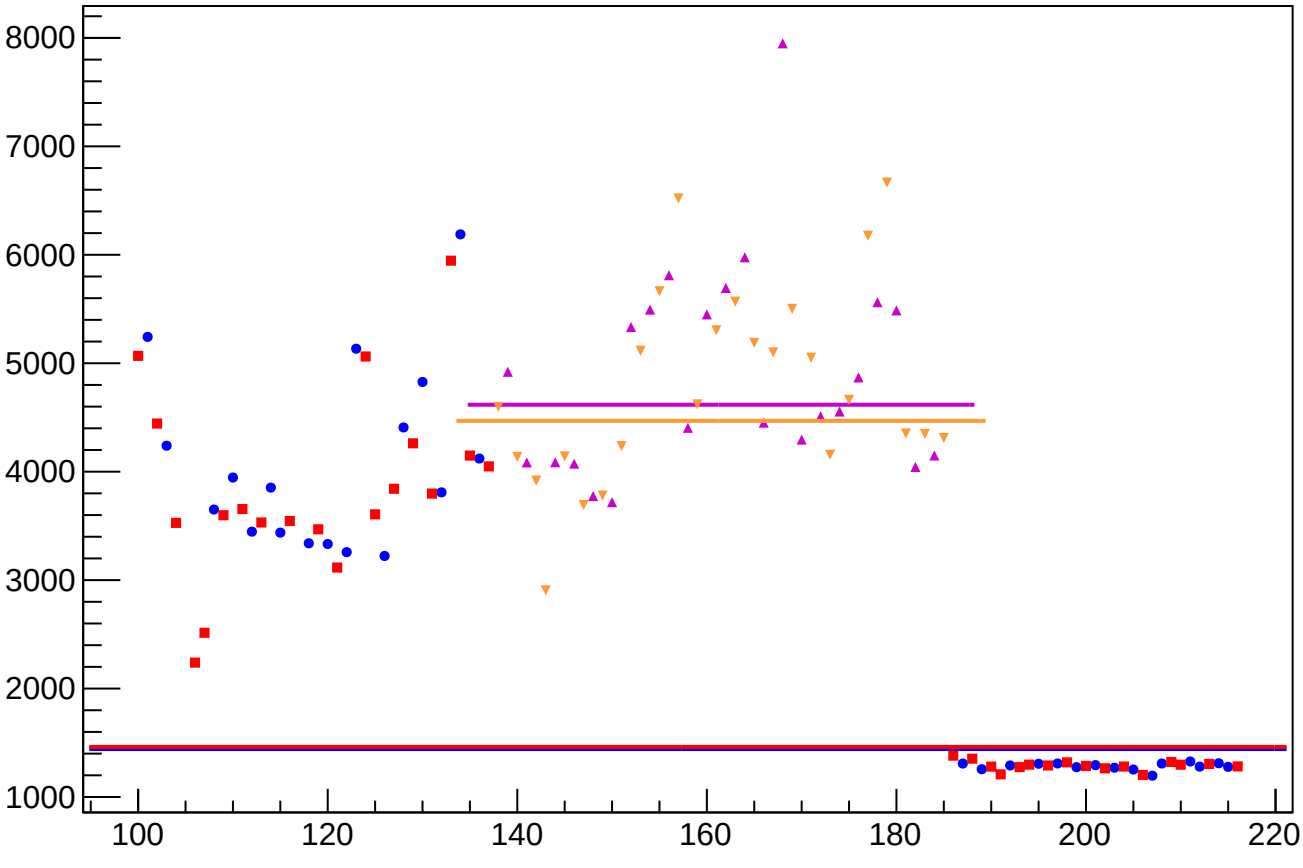
Left: -25.227+/-773.130 χ^2/NDF: 42.9/47

Right: -231.433+/-268.553 χ^2/NDF: 55.9/66

In: -553.013+/-360.089 χ^2/NDF:40.6/54

Out: 129.538+/-357.454 χ^2/NDF:56.5/59

All: -209.231+/-253.684 χ^2/NDF: 98.8/114



Right In: 1442.016+/-0.269 χ^2/NDF: 5692013.4/31

Left Out: 4468.520+/-0.753 χ^2/NDF:1380601.0/24

Right Out: 1461.966+/-0.268 χ^2/NDF: 5509869.9/34

Left In: 4617.293+/-0.794 χ^2/NDF:999599.8/22

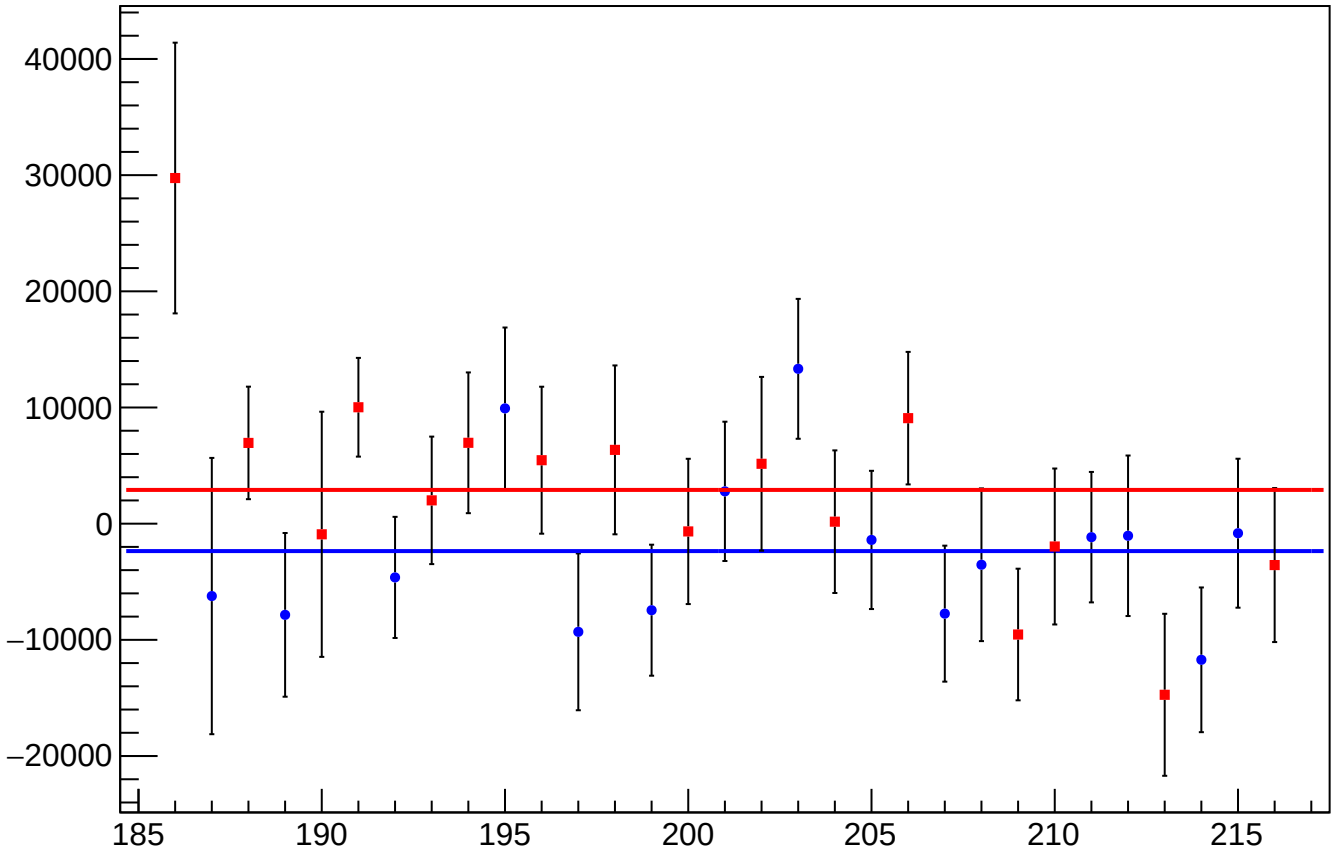
Left: 4538.970+/-0.547 χ^2/NDF: 2398663.8/47

Right: 1452.016+/-0.190 χ^2/NDF: 11204644.5/66

In: 1768.193+/-0.255 χ^2/NDF:21025821.2/54

Out: 1799.896+/-0.253 χ^2/NDF:21023801.0/59

All: 1784.171+/-0.179 χ^2/NDF: 42057435.6/1



Right In: -2359.880+/-1628.997 χ^2/NDF: 16.7/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 2905.221+/-1550.147 χ^2/NDF: 24.3/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

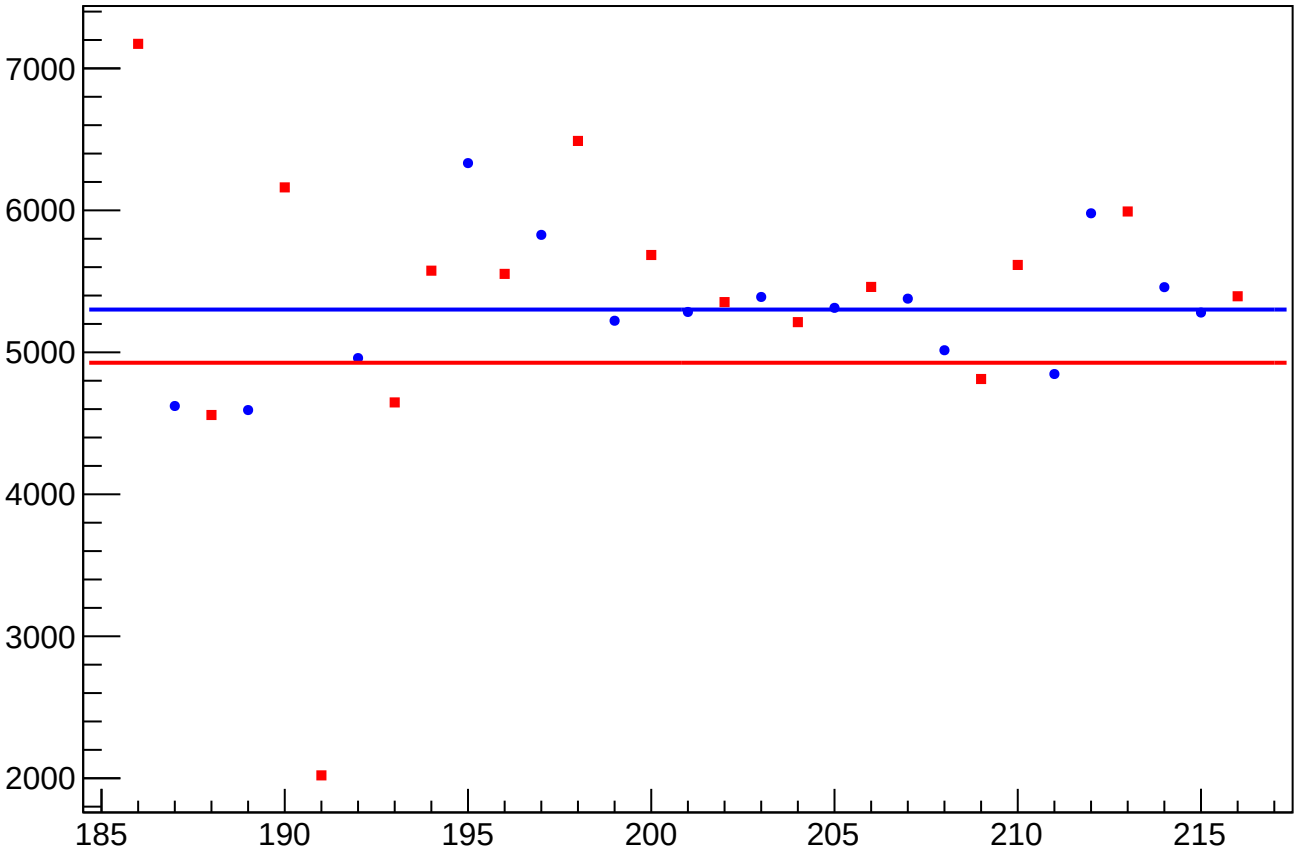
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 403.176+/-1122.961 χ^2/NDF: 46.5/30

In: -2359.880+/-1628.997 χ^2/NDF:16.7/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 403.176+/-1122.961 χ^2/NDF: 46.5/30



Right In: 5301.344+/-1.152 χ^2/NDF: 130035.3/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 4926.634+/-1.096 χ^2/NDF: 1325176.1/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

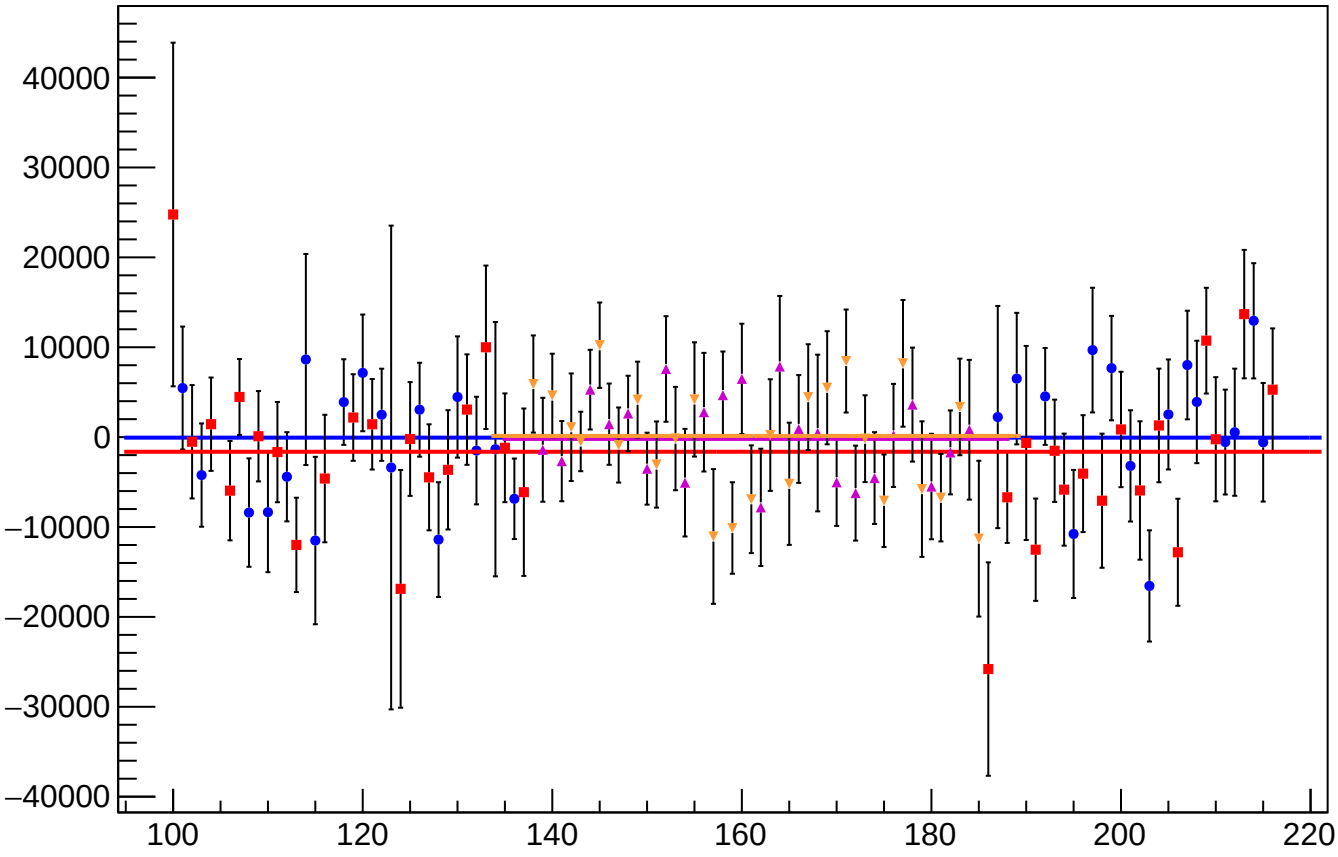
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 5104.701+/-0.794 χ^2/NDF: 1510745.8/30

In: 5301.344+/-1.152 χ^2/NDF:130035.3/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 5104.701+/-0.794 χ^2/NDF: 1510745.8/30



Right In: -57.237+/-1126.178 χ^2/NDF: 37.4/31

Left Out: 132.142+/-1065.543 χ^2/NDF:28.1/24

Right Out: -1626.956+/-1058.460 χ^2/NDF: 38.6/34

Left In: -200.182+/-1123.499 χ^2/NDF:14.7/22

Left: -25.227+/-773.130 χ^2/NDF: 42.9/47

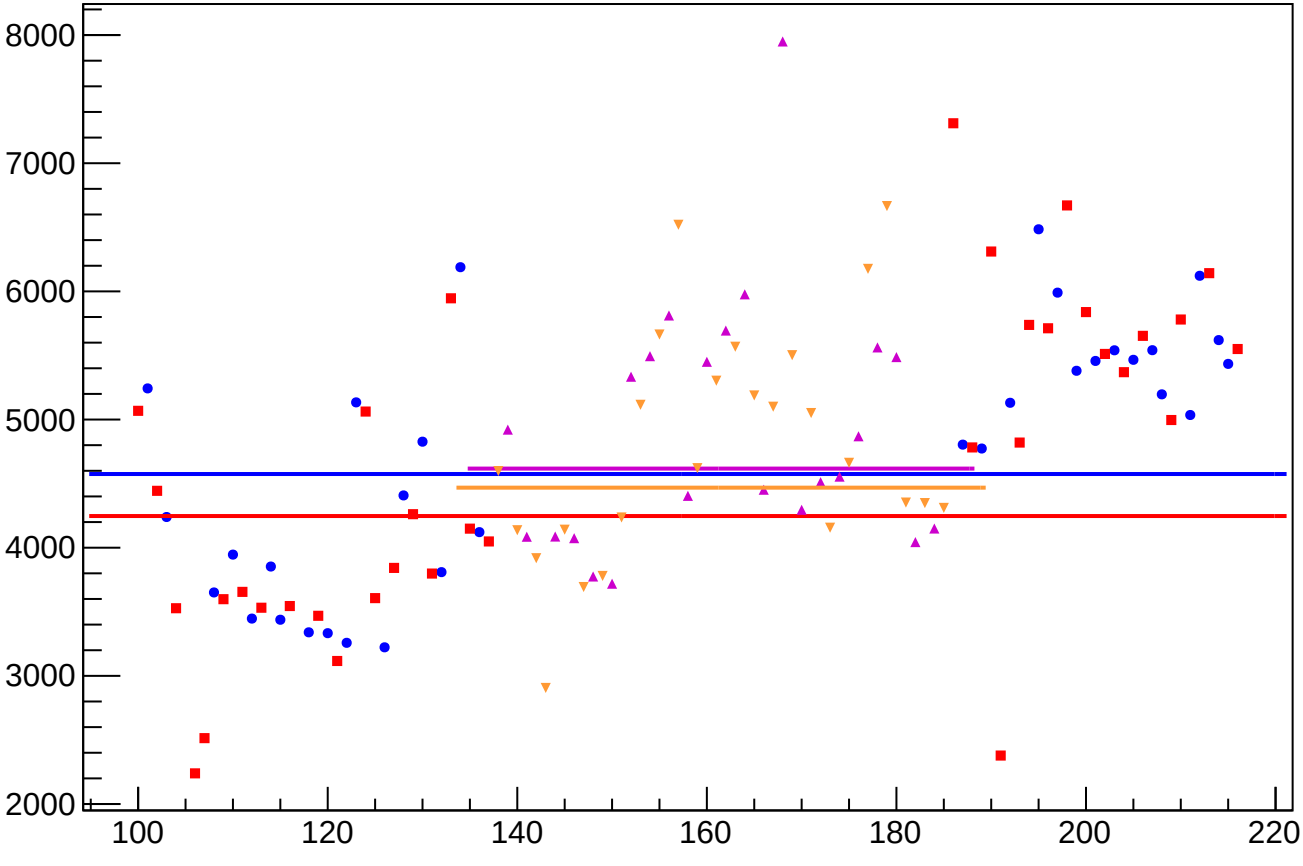
Right: -890.707+/-771.274 χ^2/NDF: 76.9/66

In: -128.880+/-795.379 χ^2/NDF:52.1/54

Out: -753.273+/-750.936 χ^2/NDF:68.0/59

All: -459.007+/-546.028 χ^2/NDF: 120.5/114

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 4574.917+/-0.796 χ^2/NDF: 1473094.4/31

Left Out: 4468.520+/-0.753 χ^2/NDF:1380601.0/24

Right Out: 4247.068+/-0.744 χ^2/NDF: 2695550.6/34

Left In: 4617.293+/-0.794 χ^2/NDF:999599.8/22

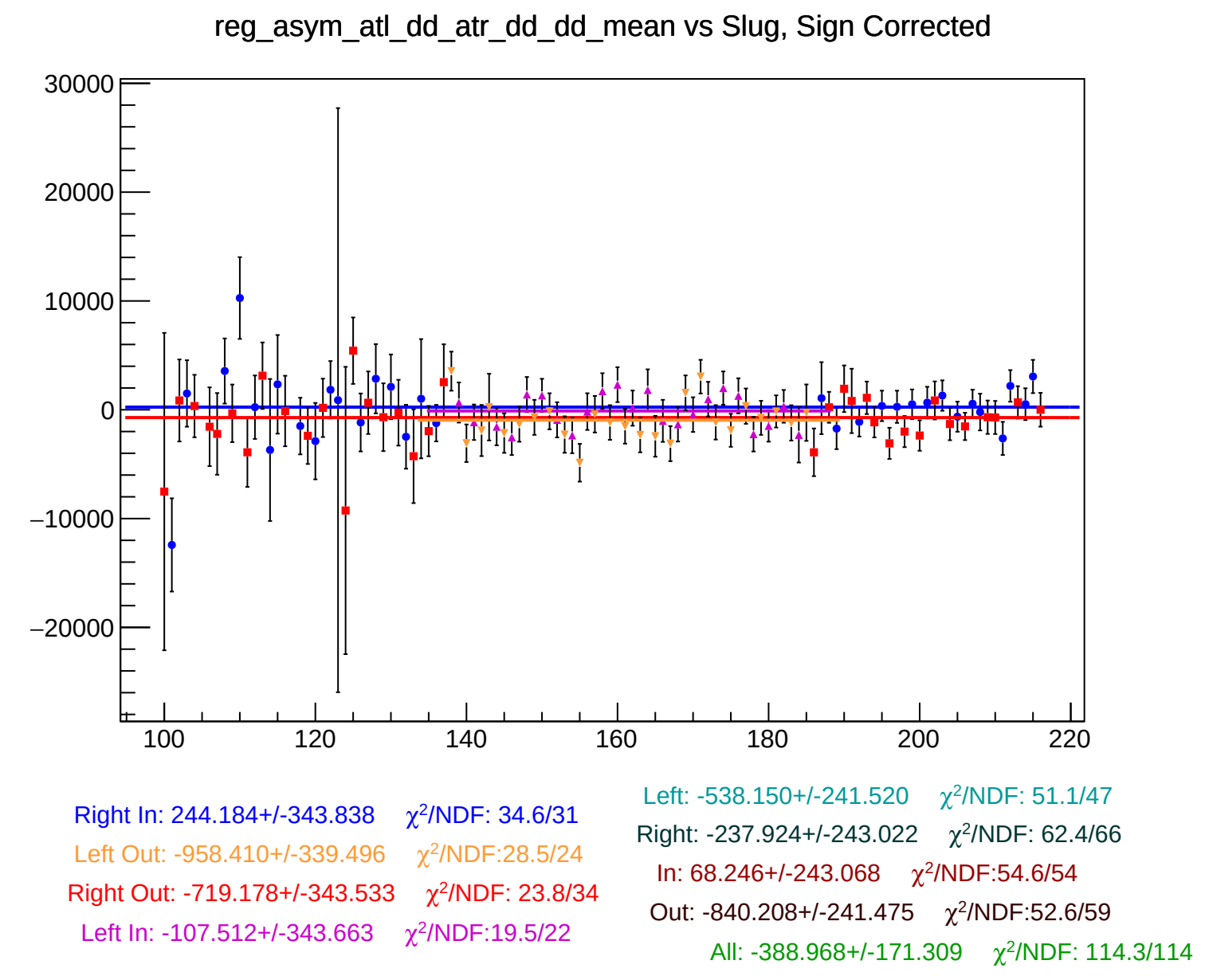
Left: 4538.970+/-0.547 χ^2/NDF: 2398663.8/47

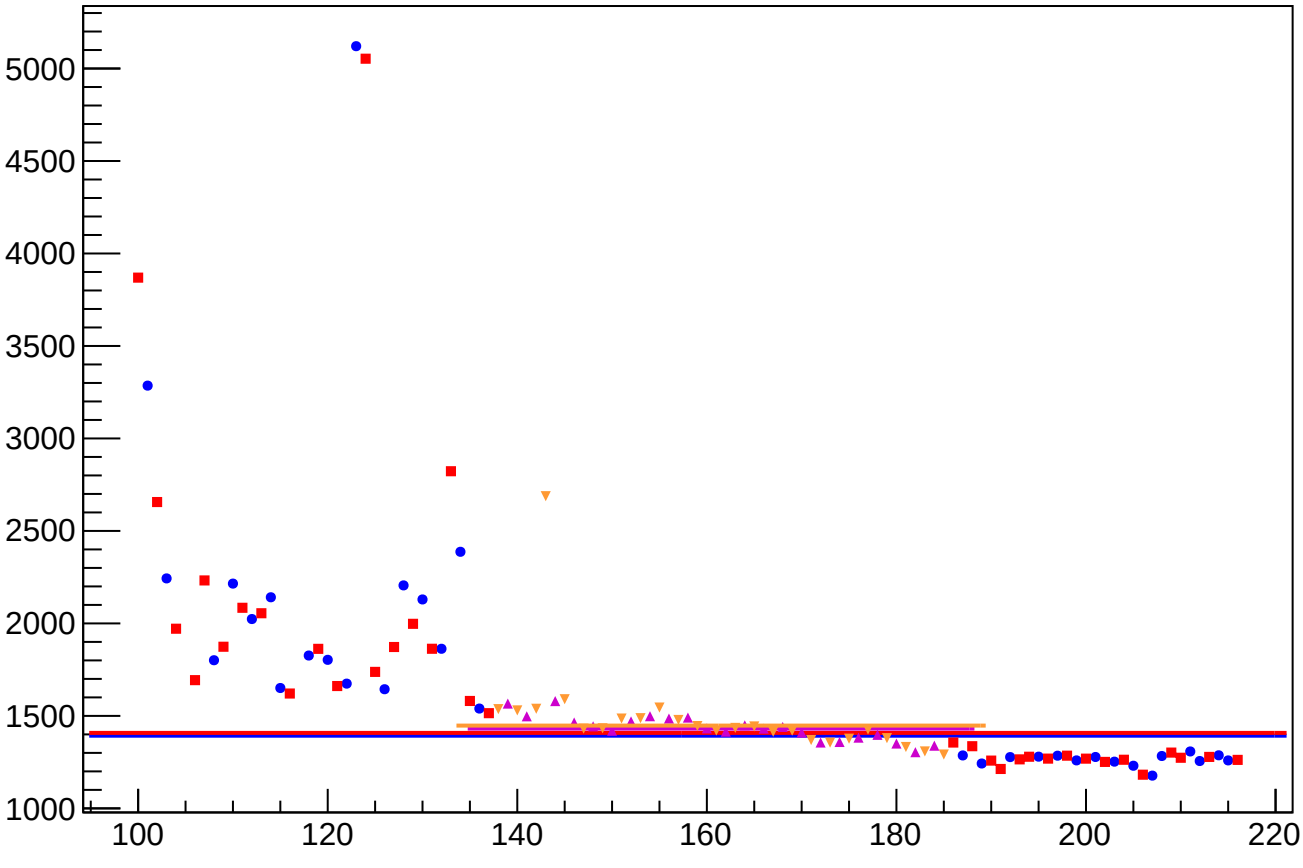
Right: 4399.958+/-0.544 χ^2/NDF: 4259101.0/66

In: 4596.155+/-0.562 χ^2/NDF:2474113.6/54

Out: 4356.456+/-0.530 χ^2/NDF:4119866.9/59

All: 4469.096+/-0.386 χ^2/NDF: 6690265.5/11


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 244.184+/-343.838 χ²/NDF: 34.6/31
Left Out: -958.410+/-339.496 χ²/NDF:28.5/24
Right Out: -719.178+/-343.533 χ²/NDF: 23.8/34
Left In: -107.512+/-343.663 χ²/NDF:19.5/22
Left: -538.150+/-241.520 χ²/NDF: 51.1/47
Right: -237.924+/-243.022 χ²/NDF: 62.4/66
In: 68.246+/-243.068 χ²/NDF:54.6/54
Out: -840.208+/-241.475 χ²/NDF:52.6/59
All: -388.968+/-171.309 χ²/NDF: 114.3/114



Right In: 1393.016+/-0.243 χ^2/NDF: 1598790.1/31

Left Out: 1447.554+/-0.240 χ^2/NDF:419254.7/24

Right Out: 1408.094+/-0.243 χ^2/NDF: 1638050.6/34

Left In: 1431.456+/-0.243 χ^2/NDF:75130.4/22

Left: 1439.603+/-0.171 χ^2/NDF: 496606.4/47

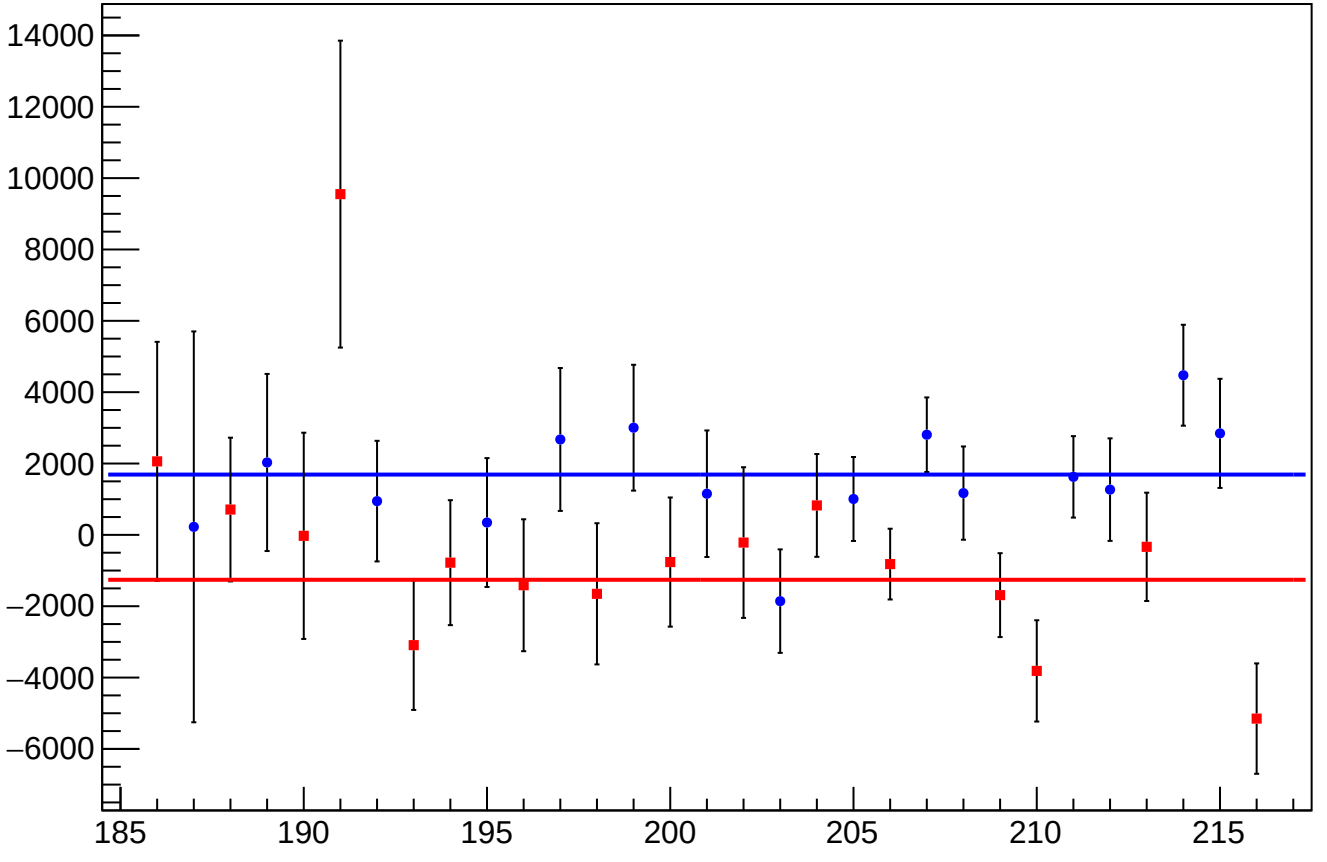
Right: 1400.562+/-0.172 χ^2/NDF: 3238765.4/66

In: 1412.246+/-0.172 χ^2/NDF:1686425.0/54

Out: 1428.057+/-0.171 χ^2/NDF:2070655.5/59

All: 1420.204+/-0.121 χ^2/NDF: 3761340.0/11

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 1690.450+/-388.754 χ^2/NDF: 13.9/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -1258.562+/-415.756 χ^2/NDF: 22.2/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

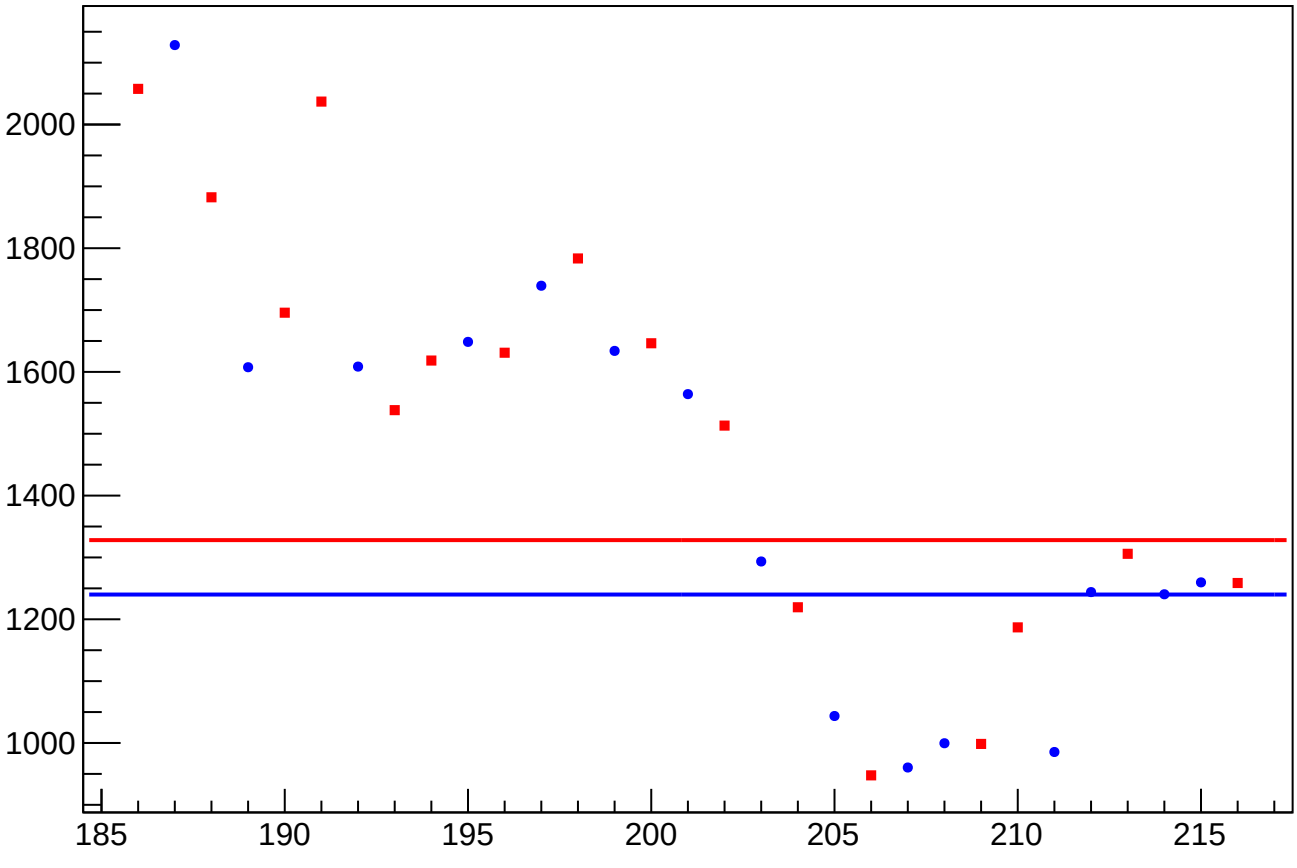
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 314.813+/-283.957 χ^2/NDF: 63.0/30

In: 1690.450+/-388.754 χ^2/NDF:13.9/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 314.813+/-283.957 χ^2/NDF: 63.0/30



Right In: 1240.021+/-0.275 χ^2/NDF: 953622.7/14

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 1328.014+/-0.294 χ^2/NDF: 1138395.3/15

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

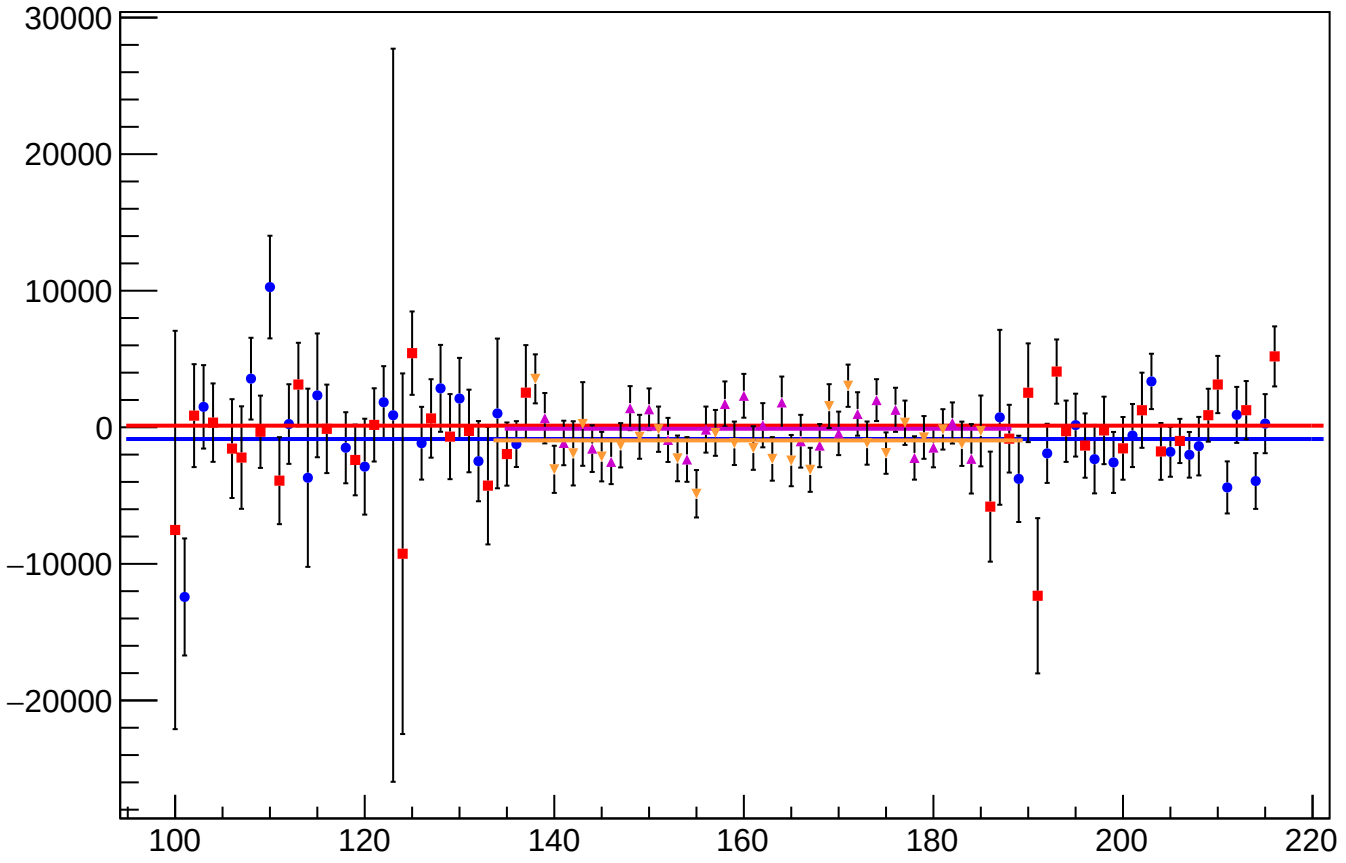
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 1281.067+/-0.201 χ^2/NDF: 2139815.1/30

In: 1240.021+/-0.275 χ^2/NDF:953622.7/14

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 1281.067+/-0.201 χ^2/NDF: 2139815.1/30



Right In: -858.455+/-450.598 χ^2/NDF: 38.1/31

Left Out: -958.410+/-339.496 χ^2/NDF:28.5/24

Right Out: 119.432+/-458.561 χ^2/NDF: 31.1/34

Left In: -107.512+/-343.663 χ^2/NDF:19.5/22

Left: -538.150+/-241.520 χ^2/NDF: 51.1/47

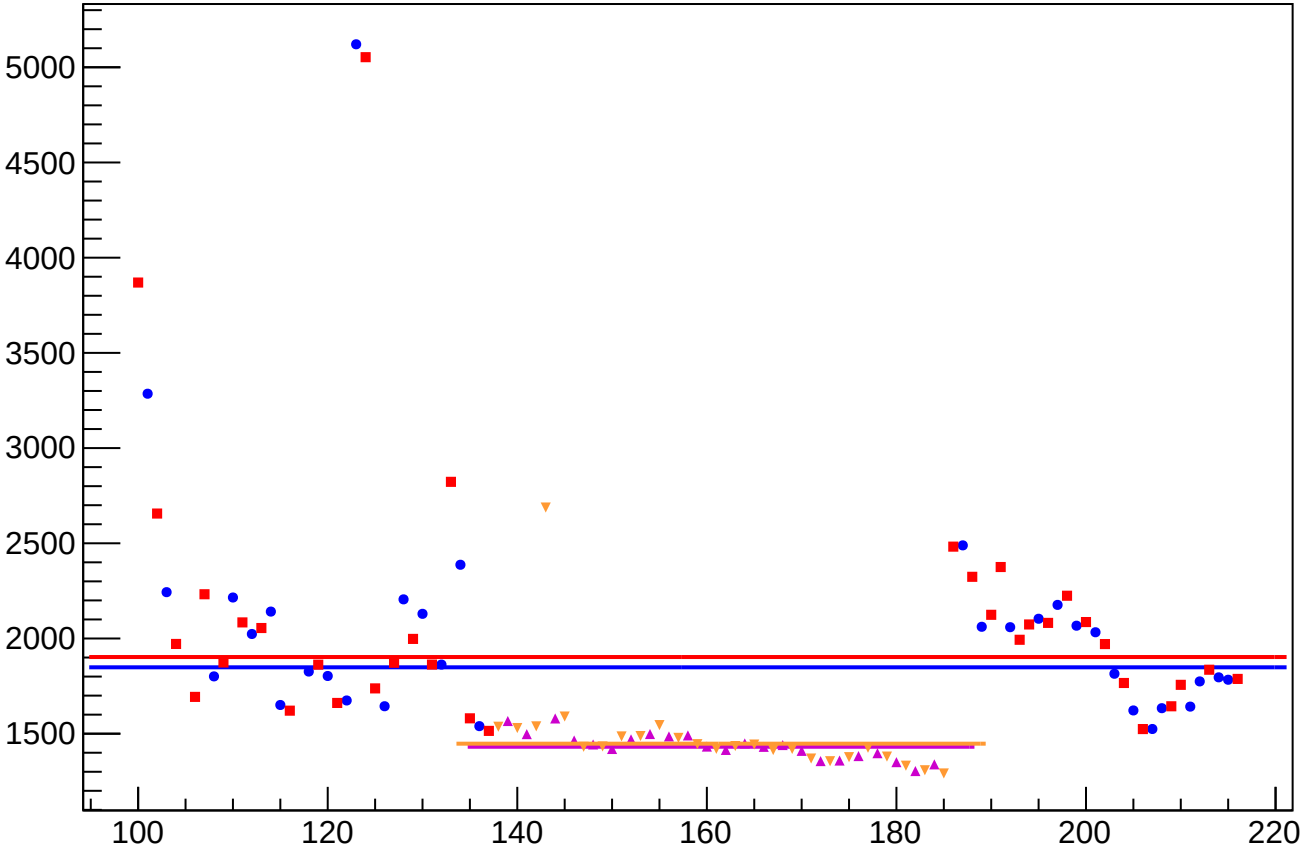
Right: -378.075+/-321.399 χ^2/NDF: 71.5/66

In: -383.680+/-273.258 χ^2/NDF:59.3/54

Out: -576.794+/-272.855 χ^2/NDF:63.2/59

All: -480.379+/-193.080 χ^2/NDF: 122.7/114

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1848.653+/-0.319 χ^2/NDF: 768205.5/31

Left Out: 1447.554+/-0.240 χ^2/NDF:419254.7/24

Right Out: 1902.638+/-0.324 χ^2/NDF: 825551.9/34

Left In: 1431.456+/-0.243 χ^2/NDF:75130.4/22

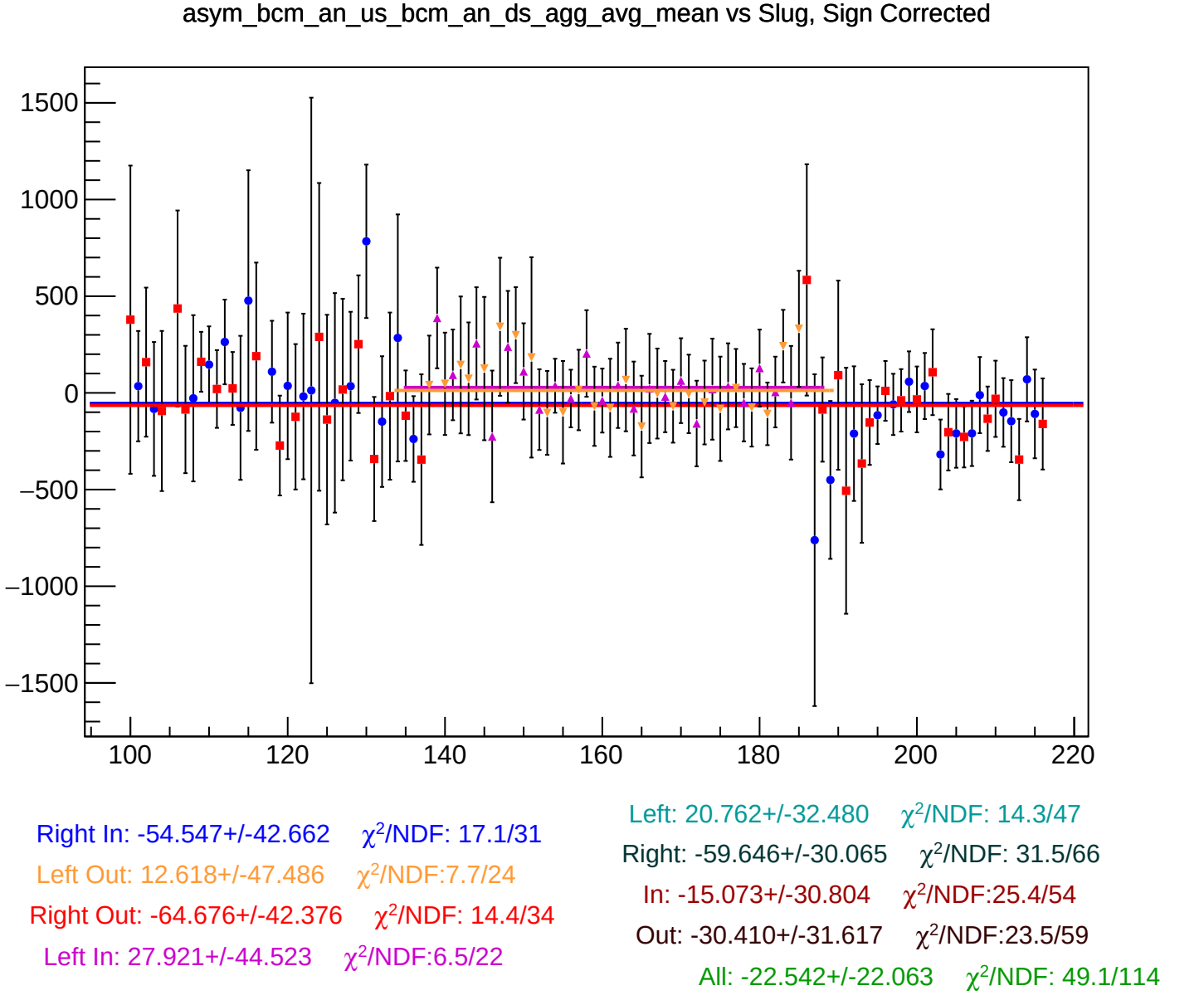
Left: 1439.603+/-0.171 χ^2/NDF: 496606.4/47

Right: 1875.173+/-0.227 χ^2/NDF: 1607860.1/66

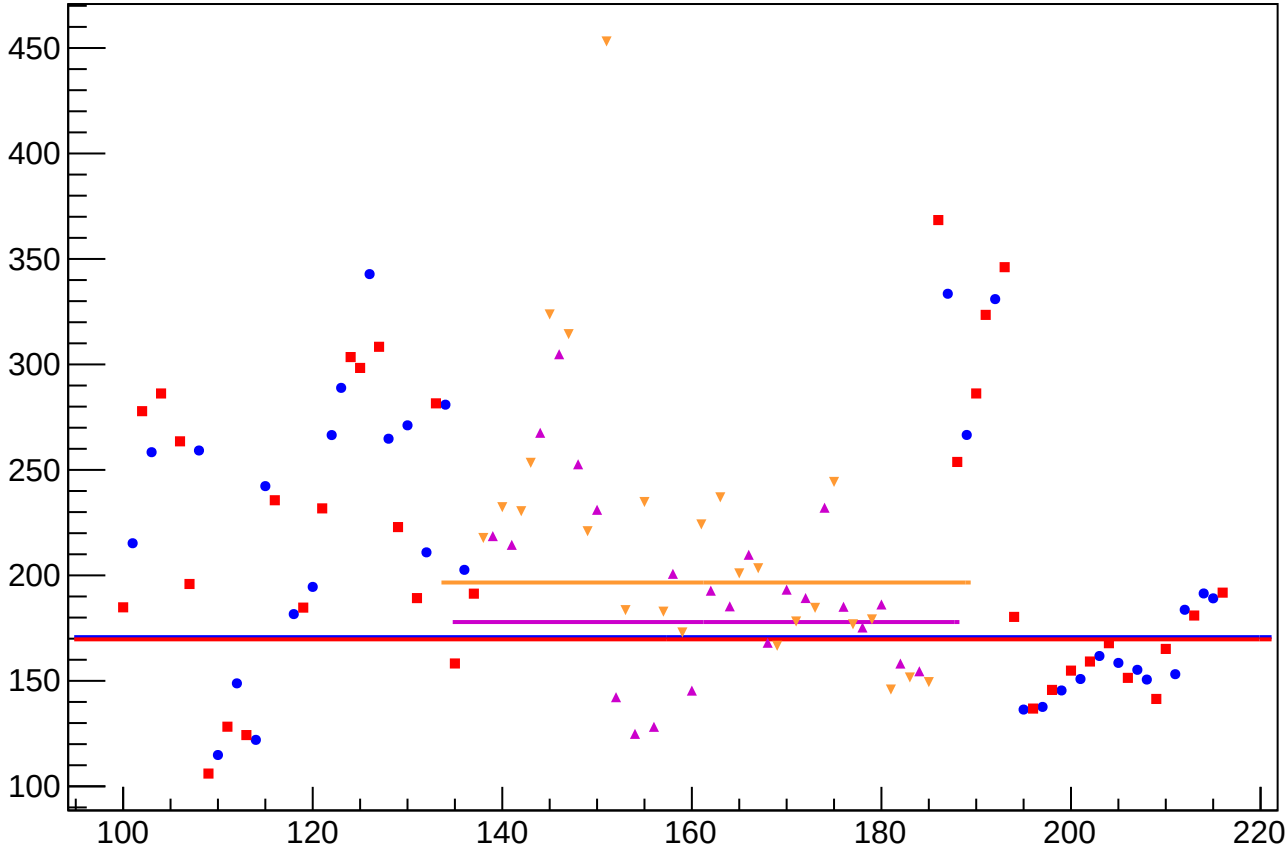
In: 1584.885+/-0.193 χ^2/NDF:1927302.5/54

Out: 1608.681+/-0.193 χ^2/NDF:2517191.7/59

All: 1596.801+/-0.137 χ^2/NDF: 4452088.8/11


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -54.547+/-42.662 χ²/NDF: 17.1/31
Left Out: 12.618+/-47.486 χ²/NDF:7.7/24
Right Out: -64.676+/-42.376 χ²/NDF: 14.4/34
Left In: 27.921+/-44.523 χ²/NDF:6.5/22
Left: 20.762+/-32.480 χ²/NDF: 14.3/47
Right: -59.646+/-30.065 χ²/NDF: 31.5/66
In: -15.073+/-30.804 χ²/NDF:25.4/54
Out: -30.410+/-31.617 χ²/NDF:23.5/59
All: -22.542+/-22.063 χ²/NDF: 49.1/114

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.722+/-0.030 χ^2/NDF: 2170296.7/31

Left Out: 196.620+/-0.034 χ^2/NDF:1793507.9/24

Right Out: 169.677+/-0.030 χ^2/NDF: 2856969.2/34

Left In: 177.878+/-0.031 χ^2/NDF:1644086.7/22

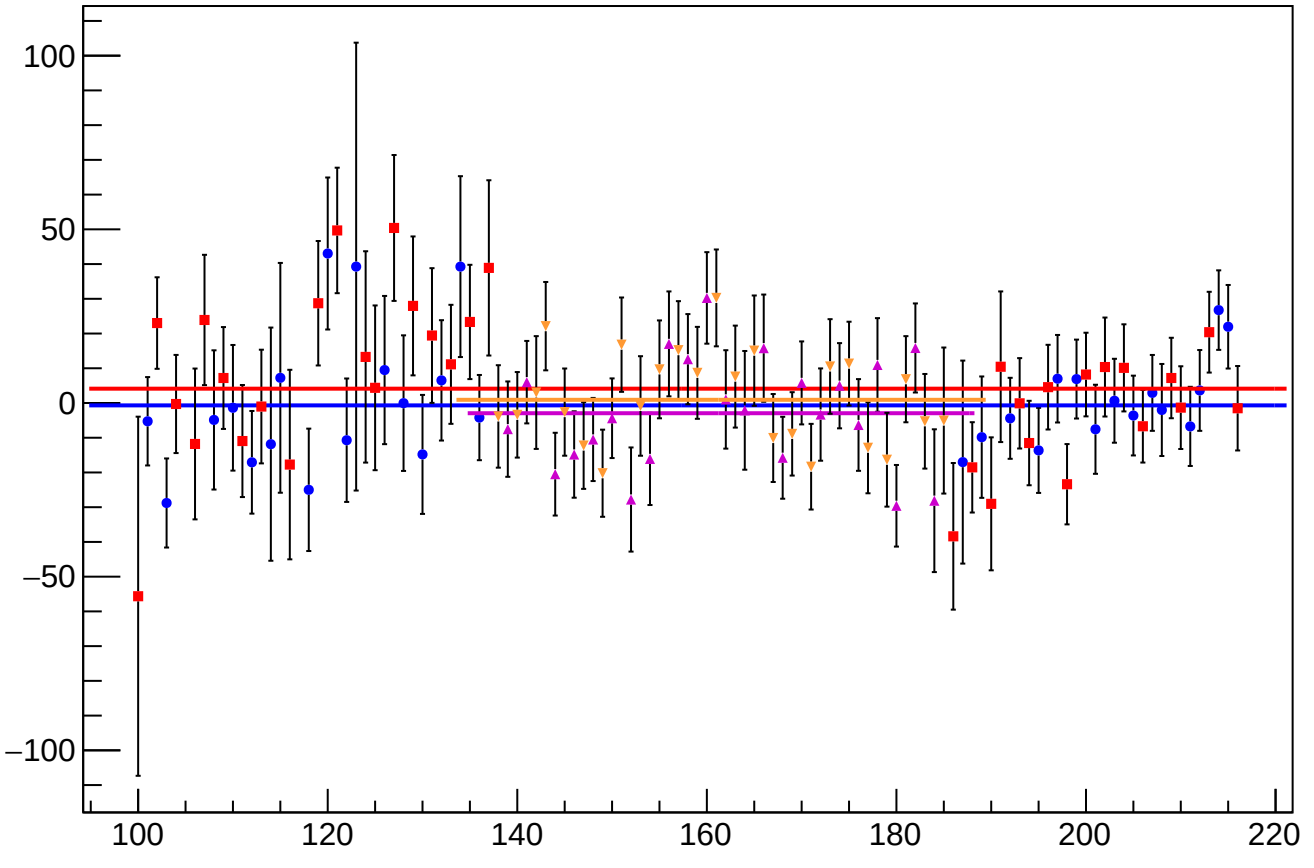
Left: 186.646+/-0.023 χ^2/NDF: 3603390.3/47

Right: 170.196+/-0.021 χ^2/NDF: 5027870.2/66

In: 174.147+/-0.022 χ^2/NDF:3841316.7/54

Out: 181.621+/-0.022 χ^2/NDF:5008900.5/59

All: 177.787+/-0.016 χ^2/NDF: 8907552.6/114



Right In: -0.686+/-2.588 χ^2/NDF: 29.3/31

Left Out: 0.920+/-2.696 χ^2/NDF:24.0/24

Right Out: 4.124+/-2.576 χ^2/NDF: 47.1/34

Left In: -2.941+/-2.745 χ^2/NDF:31.0/22

Left: -0.976+/-1.923 χ^2/NDF: 56.0/47

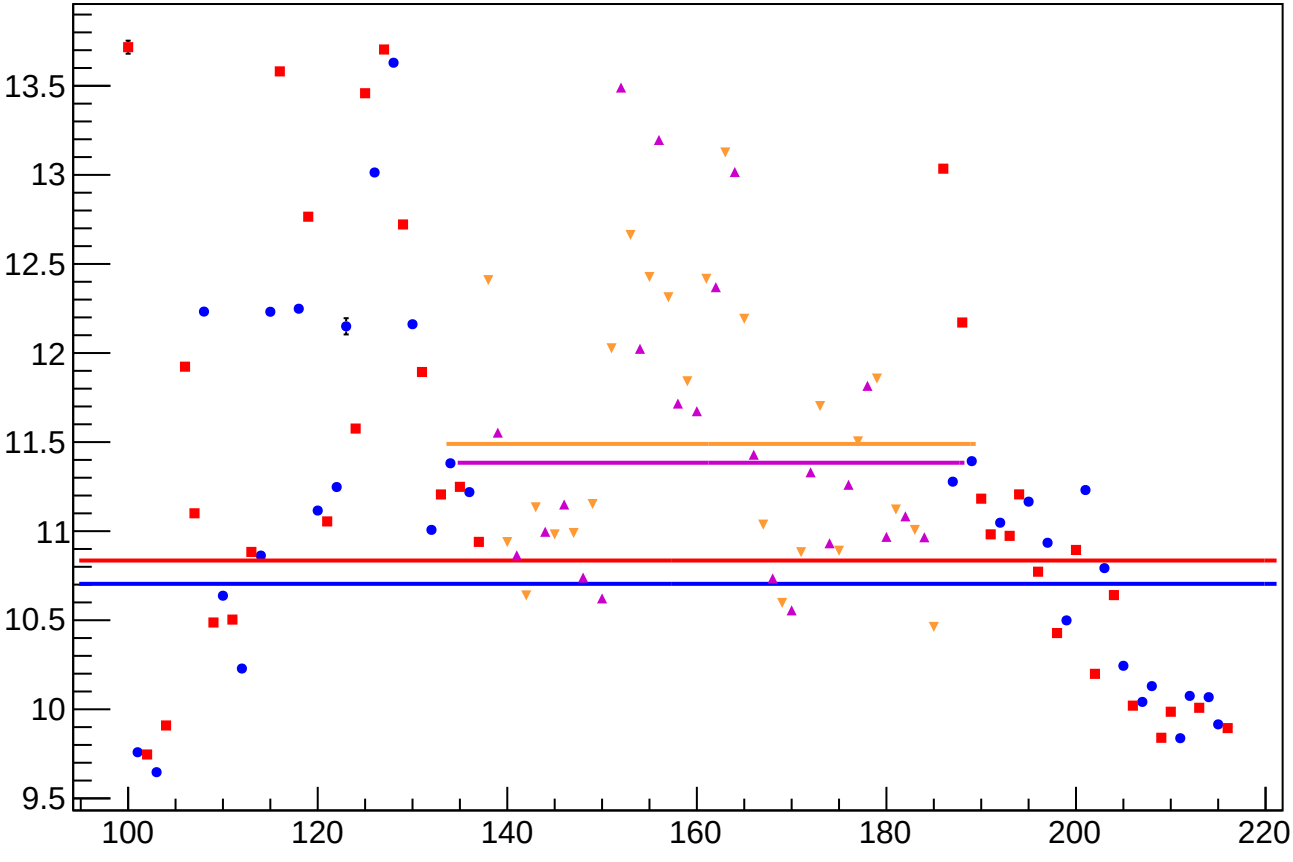
Right: 1.730+/-1.826 χ^2/NDF: 78.2/66

In: -1.747+/-1.883 χ^2/NDF:60.7/54

Out: 2.595+/-1.862 χ^2/NDF:71.8/59

All: 0.448+/-1.324 χ^2/NDF: 135.2/114

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.704+/-0.002 χ^2/NDF: 209681.8/31

Left Out: 11.490+/-0.002 χ^2/NDF:132399.1/24

Right Out: 10.835+/-0.002 χ^2/NDF: 280479.3/34

Left In: 11.384+/-0.002 χ^2/NDF:149799.6/22

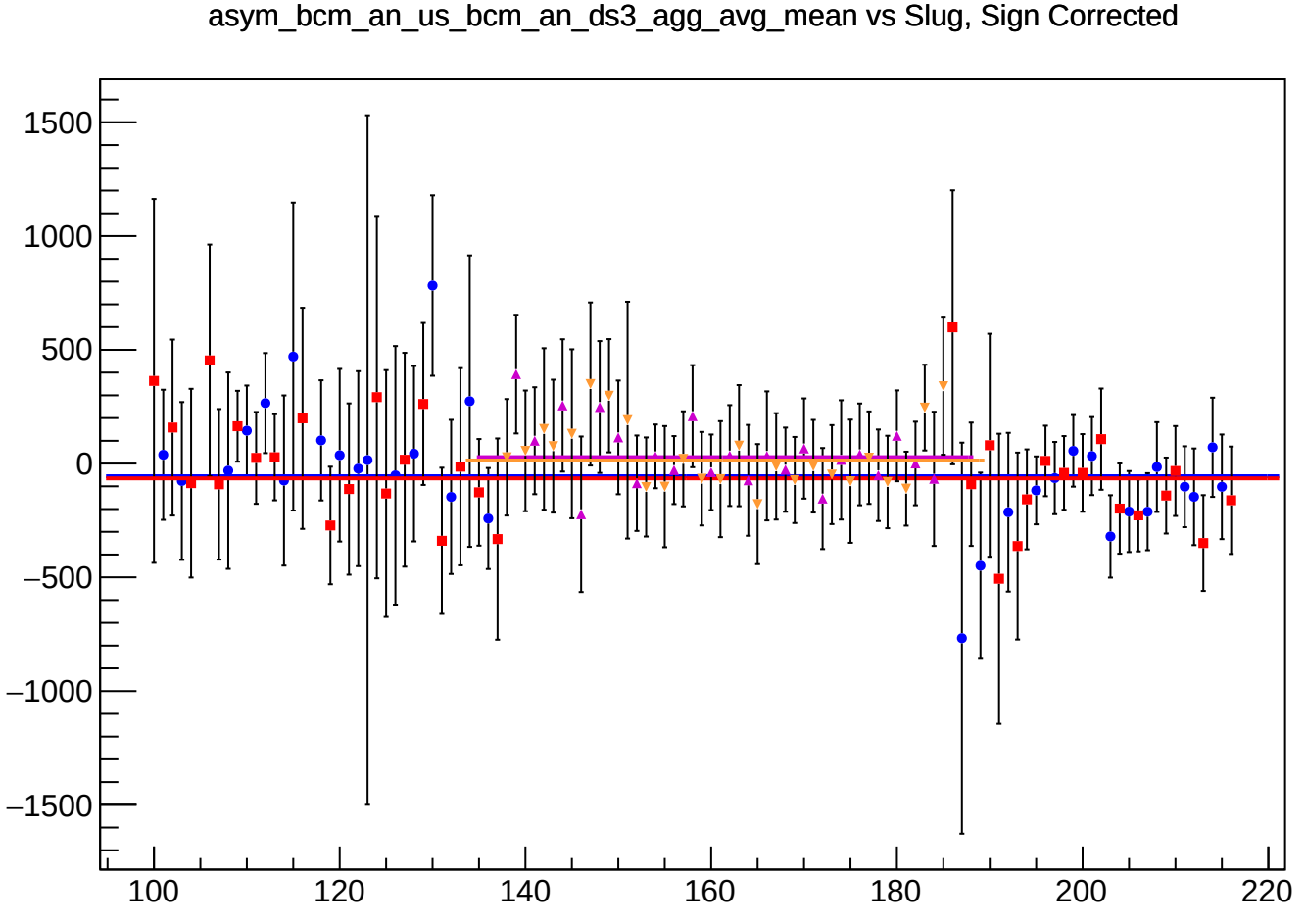
Left: 11.438+/-0.001 χ^2/NDF: 283707.5/47

Right: 10.770+/-0.001 χ^2/NDF: 492732.5/66

In: 11.024+/-0.001 χ^2/NDF:424419.0/54

Out: 11.148+/-0.001 χ^2/NDF:474502.4/59

All: 11.087+/-0.001 χ^2/NDF: 903259.6/114



Right In: -55.734+/-42.764 χ^2/NDF: 17.0/31

Left Out: 13.323+/-47.662 χ^2/NDF:7.9/24

Right Out: -65.050+/-42.486 χ^2/NDF: 14.6/34

Left In: 28.050+/-44.681 χ^2/NDF:6.6/22

Left: 21.161+/-32.597 χ^2/NDF: 14.6/47

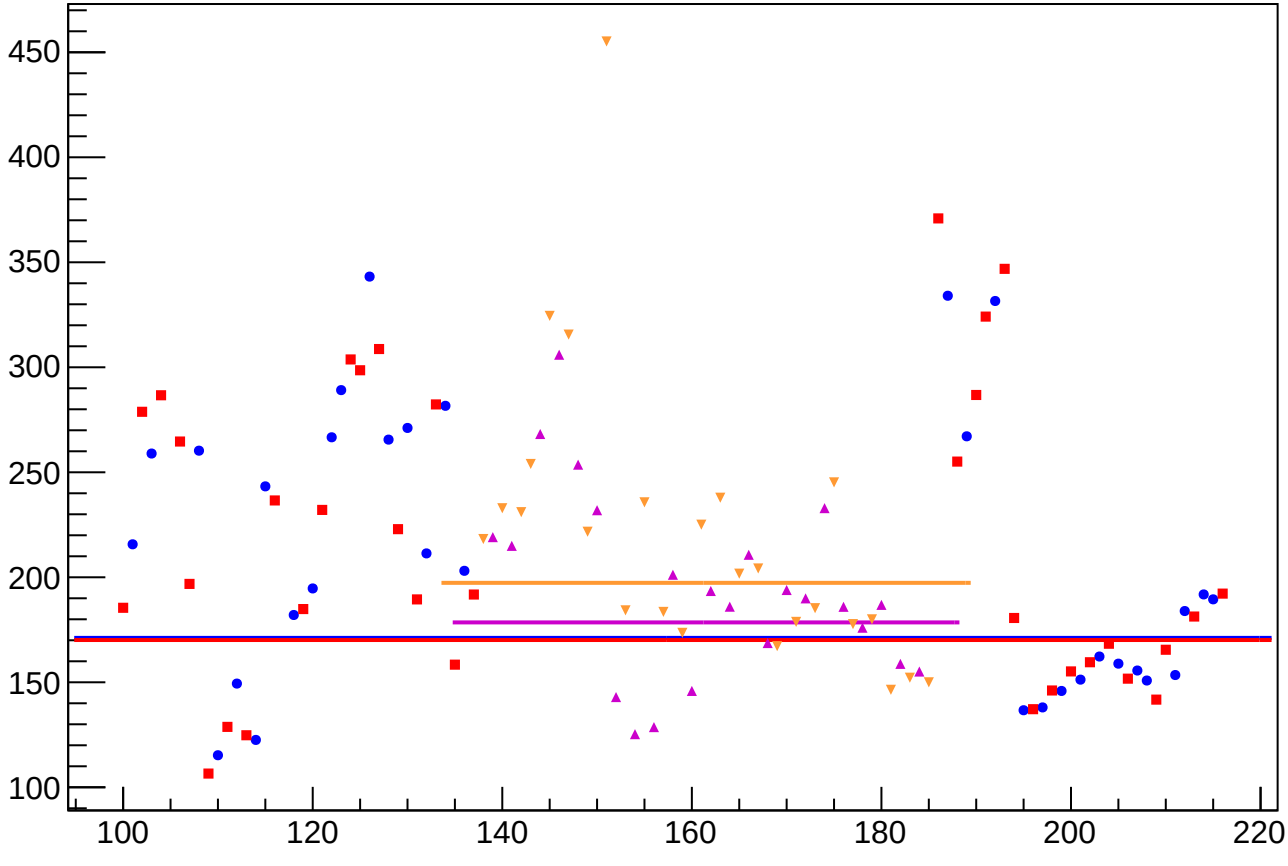
Right: -60.422+/-30.140 χ^2/NDF: 31.7/66

In: -15.678+/-30.894 χ^2/NDF:25.5/54

Out: -30.349+/-31.715 χ^2/NDF:24.0/59

All: -22.821+/-22.130 χ^2/NDF: 49.6/114

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.144+/-0.030 χ^2/NDF: 2165234.1/31

Left Out: 197.355+/-0.034 χ^2/NDF:1790824.5/24

Right Out: 170.126+/-0.030 χ^2/NDF: 2853408.0/34

Left In: 178.512+/-0.032 χ^2/NDF:1642304.1/22

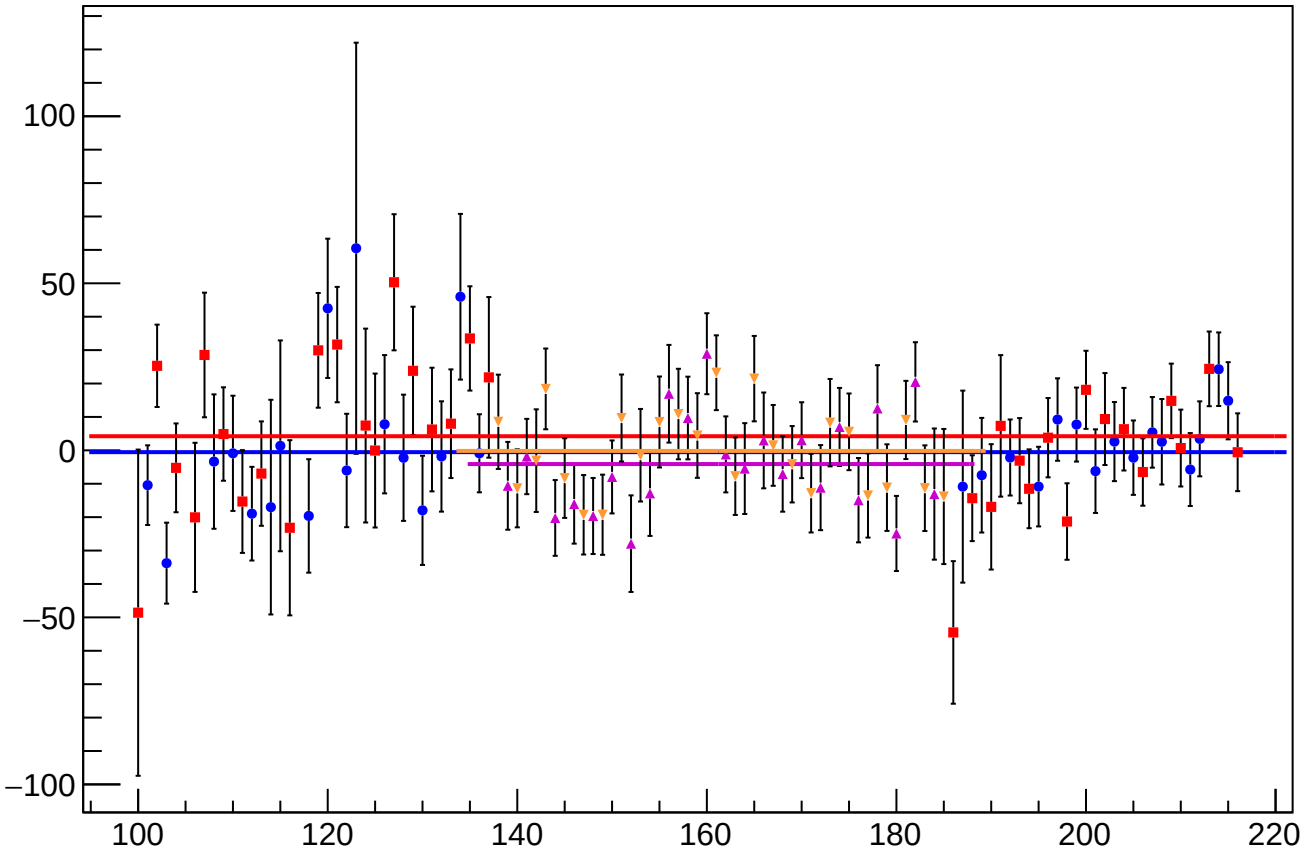
Left: 187.326+/-0.023 χ^2/NDF: 3599509.2/47

Right: 170.632+/-0.021 χ^2/NDF: 5019211.6/66

In: 174.666+/-0.022 χ^2/NDF:3835926.1/54

Out: 182.182+/-0.022 χ^2/NDF:5007962.8/59

All: 178.326+/-0.016 χ^2/NDF: 8901524.8/114



Right In: -0.543+/-2.496 χ^2/NDF: 31.8/31

Left Out: -0.170+/-2.520 χ^2/NDF:24.4/24

Right Out: 4.223+/-2.490 χ^2/NDF: 51.0/34

Left In: -4.107+/-2.577 χ^2/NDF:31.5/22

Left: -2.095+/-1.802 χ^2/NDF: 57.1/47

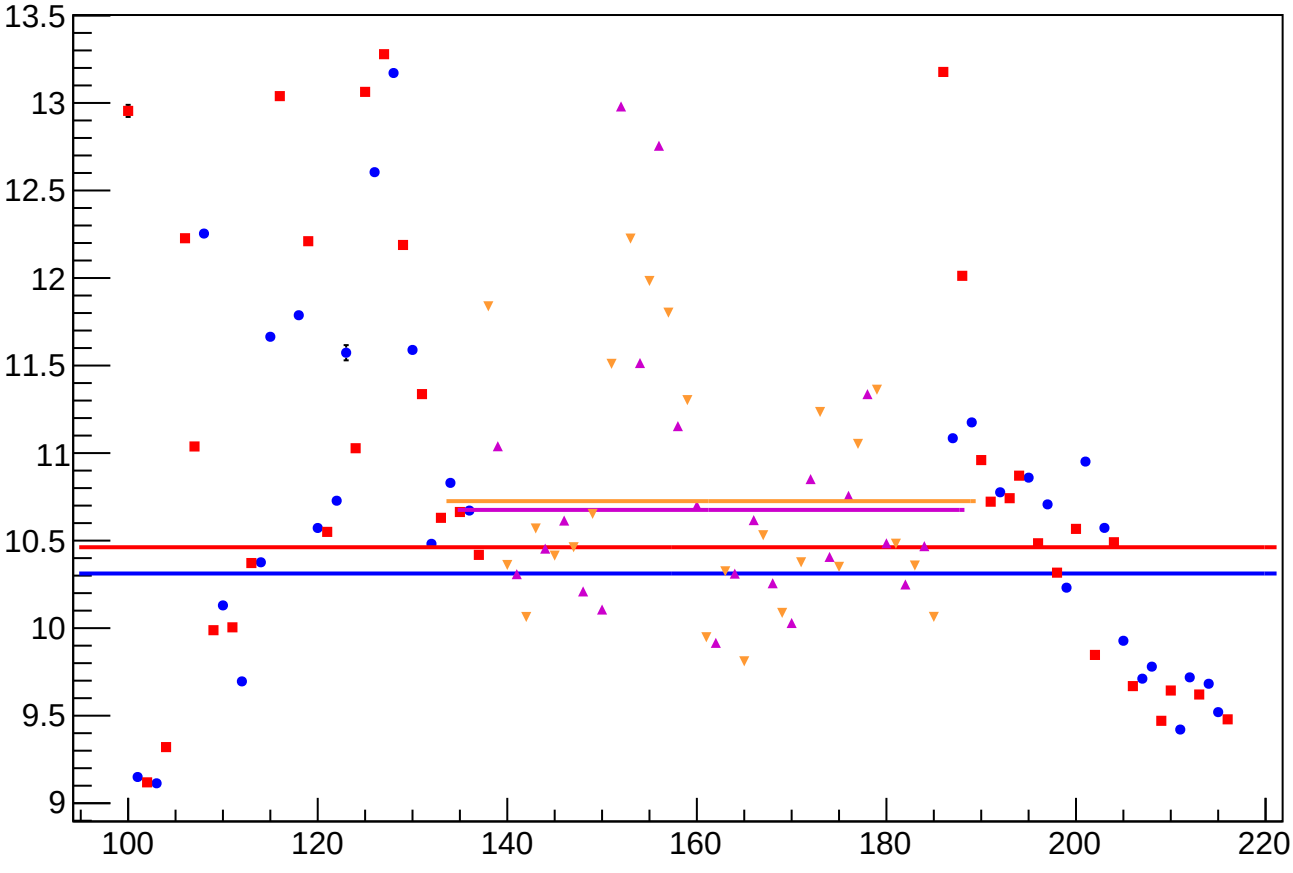
Right: 1.845+/-1.763 χ^2/NDF: 84.6/66

In: -2.268+/-1.793 χ^2/NDF:64.3/54

Out: 2.053+/-1.771 χ^2/NDF:76.9/59

All: -0.081+/-1.260 χ^2/NDF: 144.1/114

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.312+/-0.002 χ^2/NDF: 237514.7/31

Left Out: 10.725+/-0.002 χ^2/NDF:132170.8/24

Right Out: 10.462+/-0.002 χ^2/NDF: 322993.8/34

Left In: 10.675+/-0.002 χ^2/NDF:145938.2/22

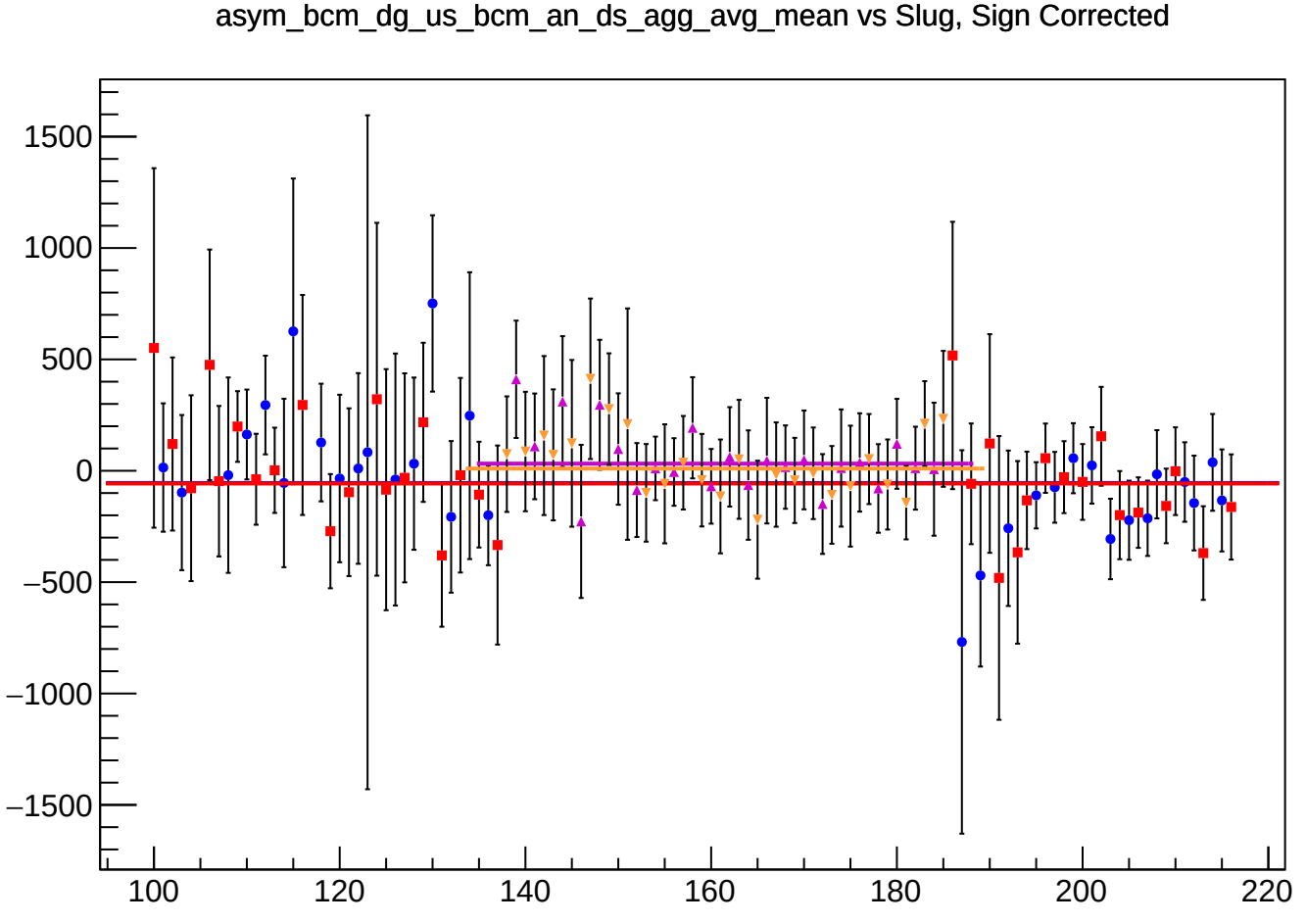
Left: 10.701+/-0.001 χ^2/NDF: 278494.3/47

Right: 10.387+/-0.001 χ^2/NDF: 564129.8/66

In: 10.488+/-0.001 χ^2/NDF:403961.0/54

Out: 10.592+/-0.001 χ^2/NDF:466210.4/59

All: 10.541+/-0.001 χ^2/NDF: 873594.9/114



Right In: -55.022+/-42.824 χ^2/NDF: 17.4/31

Left Out: 9.801+/-47.979 χ^2/NDF:7.5/24

Right Out: -57.152+/-42.609 χ^2/NDF: 15.7/34

Left In: 31.989+/-45.038 χ^2/NDF:7.2/22

Left: 21.596+/-32.837 χ^2/NDF: 14.8/47

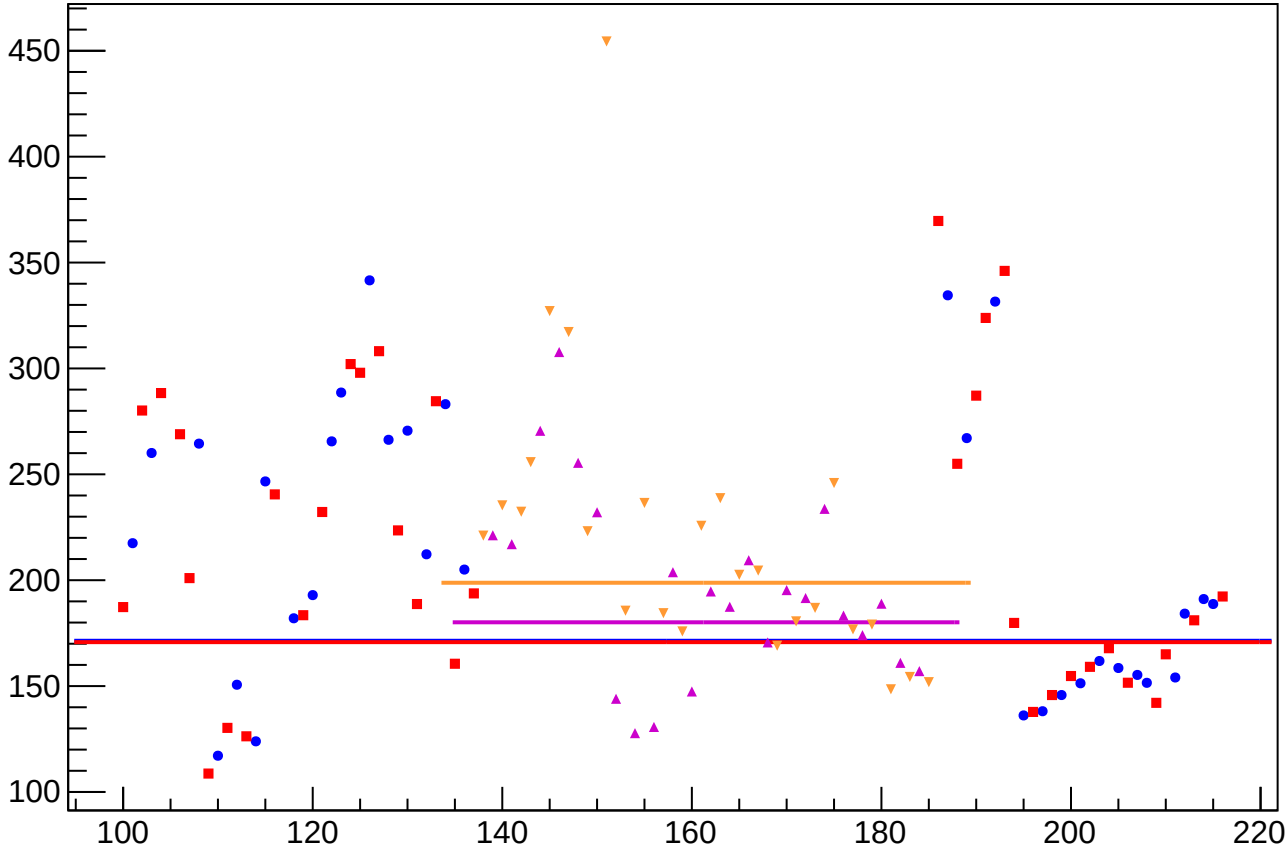
Right: -56.092+/-30.205 χ^2/NDF: 33.2/66

In: -13.708+/-31.035 χ^2/NDF:26.5/54

Out: -27.630+/-31.859 χ^2/NDF:24.4/59

All: -20.487+/-22.230 χ^2/NDF: 51.0/114

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.394+/-0.030 χ^2/NDF: 2160600.5/31

Left Out: 198.800+/-0.034 χ^2/NDF:1763119.1/24

Right Out: 170.753+/-0.030 χ^2/NDF: 2811610.5/34

Left In: 180.123+/-0.032 χ^2/NDF:1593842.6/22

Left: 188.872+/-0.023 χ^2/NDF: 3518071.9/47

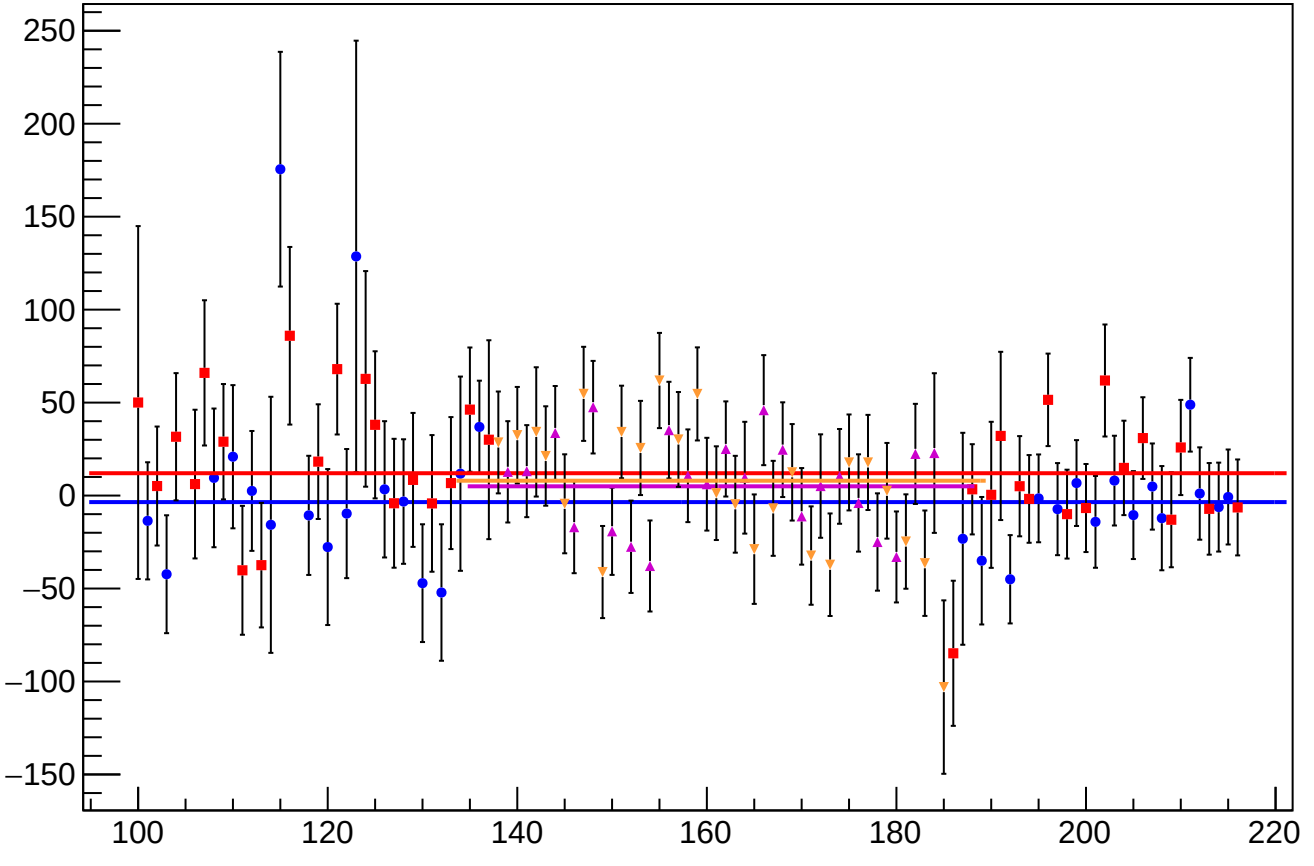
Right: 171.072+/-0.021 χ^2/NDF: 4972436.3/66

In: 175.539+/-0.022 χ^2/NDF:3793898.3/54

Out: 183.120+/-0.023 χ^2/NDF:4956835.1/59

All: 179.230+/-0.016 χ^2/NDF: 8808840.2/114

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.513+/-5.299 χ^2/NDF: 27.7/31

Left Out: 7.990+/-5.327 χ^2/NDF:37.4/24

Right Out: 12.019+/-5.245 χ^2/NDF: 31.8/34

Left In: 4.973+/-5.444 χ^2/NDF:20.5/22

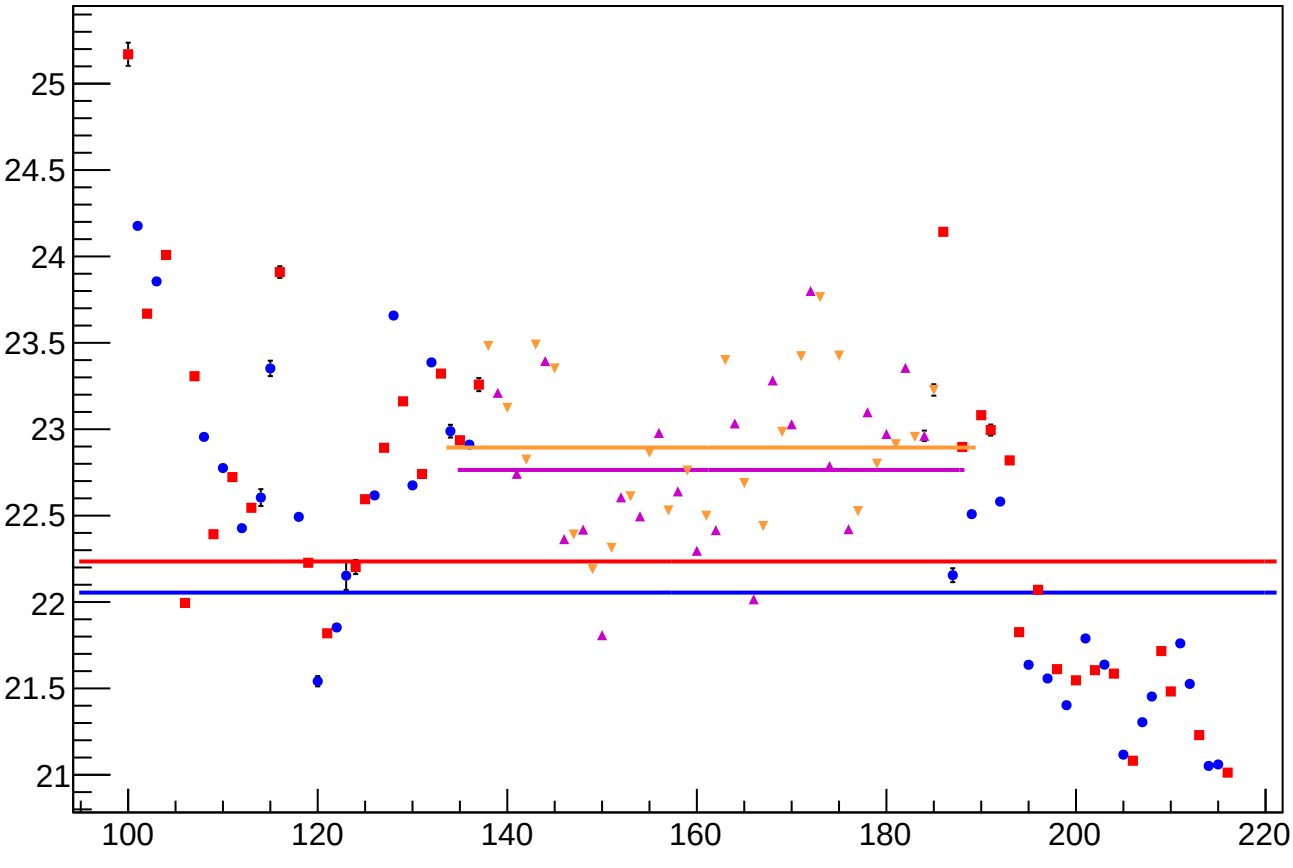
Left: 6.514+/-3.808 χ^2/NDF: 58.0/47

Right: 4.333+/-3.728 χ^2/NDF: 63.9/66

In: 0.615+/-3.797 χ^2/NDF:49.4/54

Out: 10.036+/-3.737 χ^2/NDF:69.6/59

All: 5.400+/-2.664 χ^2/NDF: 122.1/114



Right In: 22.055+/-0.004 χ^2/NDF: 49928.4/31

Left Out: 22.894+/-0.004 χ^2/NDF:13070.5/24

Right Out: 22.235+/-0.004 χ^2/NDF: 52818.1/34

Left In: 22.764+/-0.004 χ^2/NDF:14665.7/22

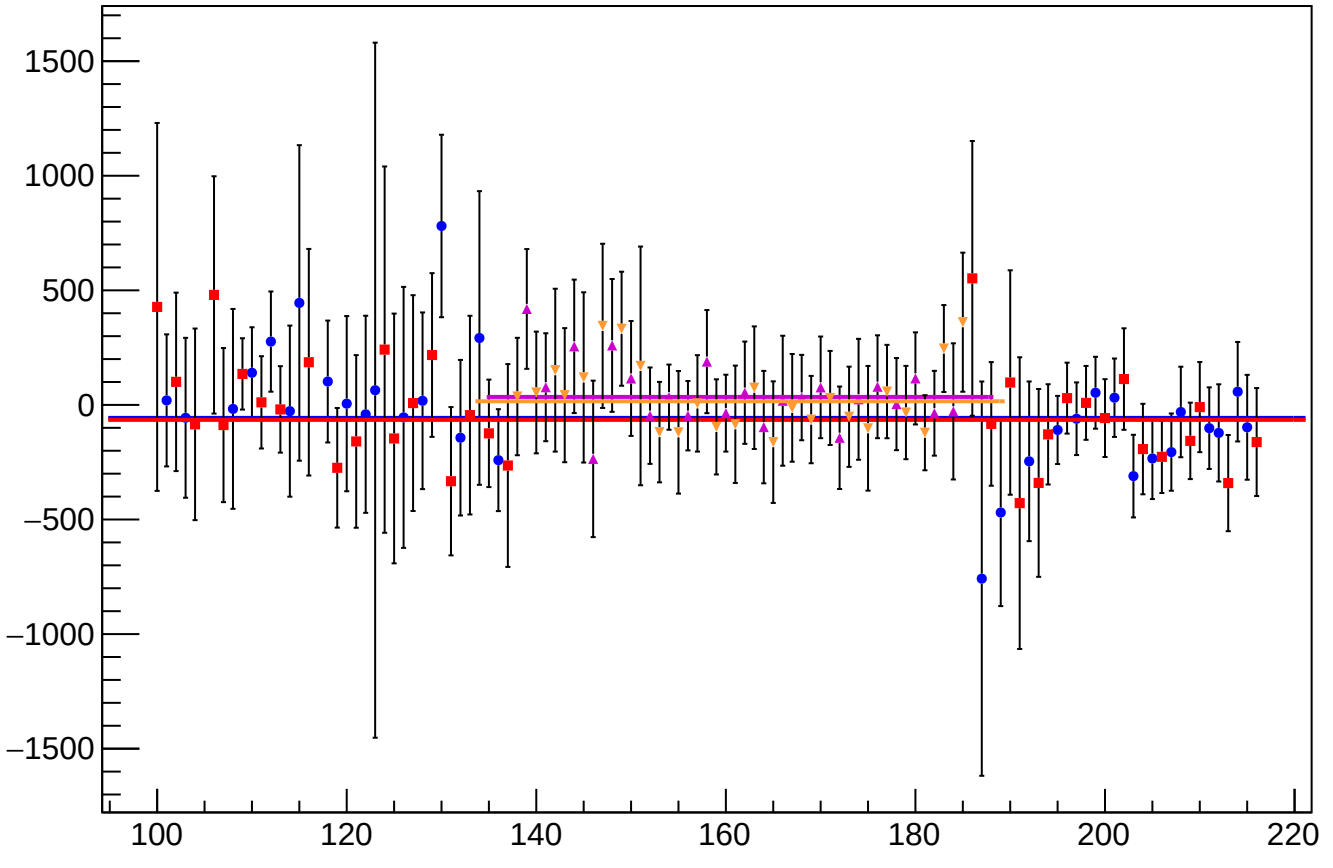
Left: 22.831+/-0.003 χ^2/NDF: 28317.3/47

Right: 22.146+/-0.003 χ^2/NDF: 103915.0/66

In: 22.400+/-0.003 χ^2/NDF:82046.0/54

Out: 22.559+/-0.003 χ^2/NDF:81444.7/59

All: 22.481+/-0.002 χ^2/NDF: 165283.1/114



Right In: -56.601+/-42.705 χ^2/NDF: 16.9/31

Left Out: 15.904+/-47.898 χ^2/NDF:8.4/24

Right Out: -65.314+/-42.432 χ^2/NDF: 13.3/34

Left In: 34.919+/-44.971 χ^2/NDF:6.6/22

Left: 26.010+/-32.785 χ^2/NDF: 15.1/47

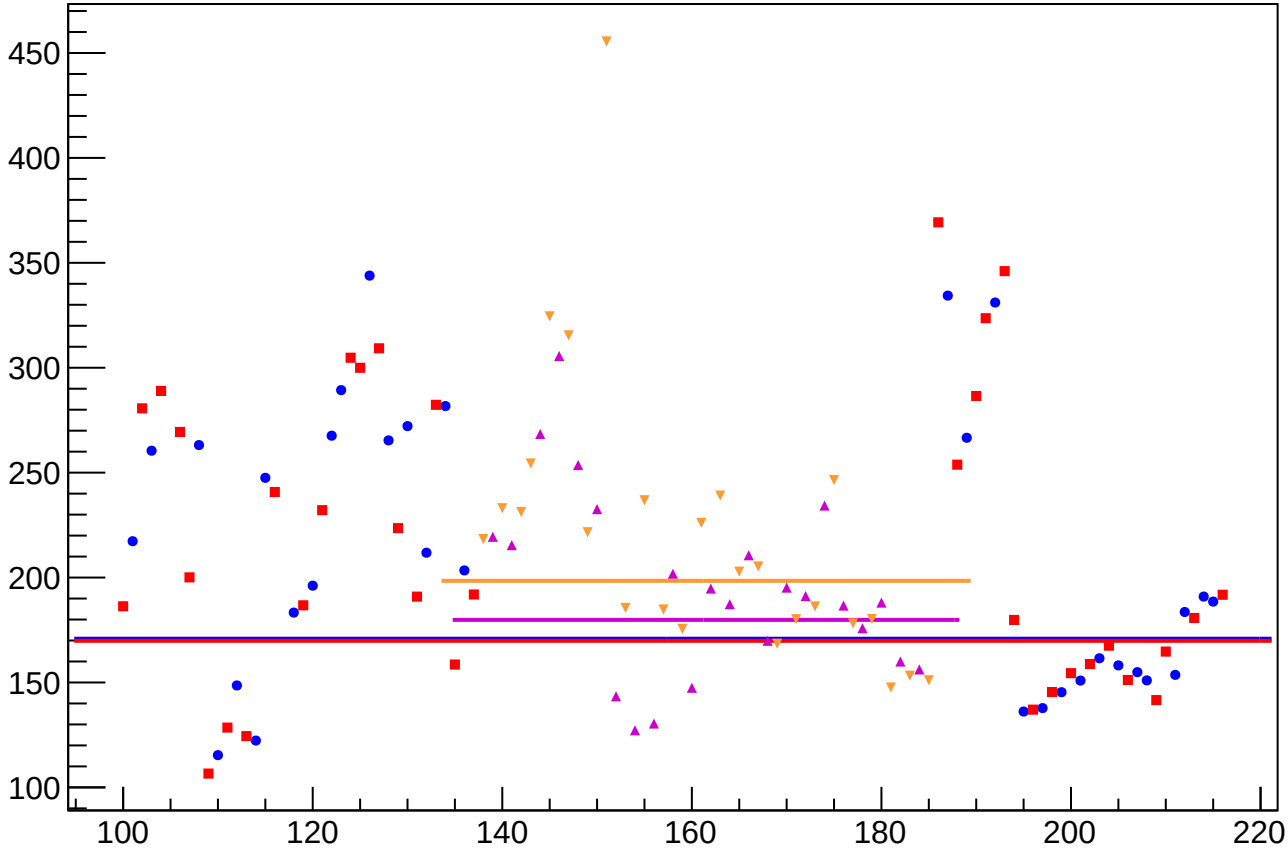
Right: -60.985+/-30.100 χ^2/NDF: 30.2/66

In: -13.204+/-30.967 χ^2/NDF:25.7/54

Out: -29.602+/-31.761 χ^2/NDF:23.3/59

All: -21.196+/-22.172 χ^2/NDF: 49.2/114

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.844+/-0.030 χ^2/NDF: 2192004.9/31

Left Out: 198.450+/-0.034 χ^2/NDF:1761433.9/24

Right Out: 169.856+/-0.030 χ^2/NDF: 2880478.4/34

Left In: 179.839+/-0.032 χ^2/NDF:1588834.3/22

Left: 188.558+/-0.023 χ^2/NDF: 3510745.5/47

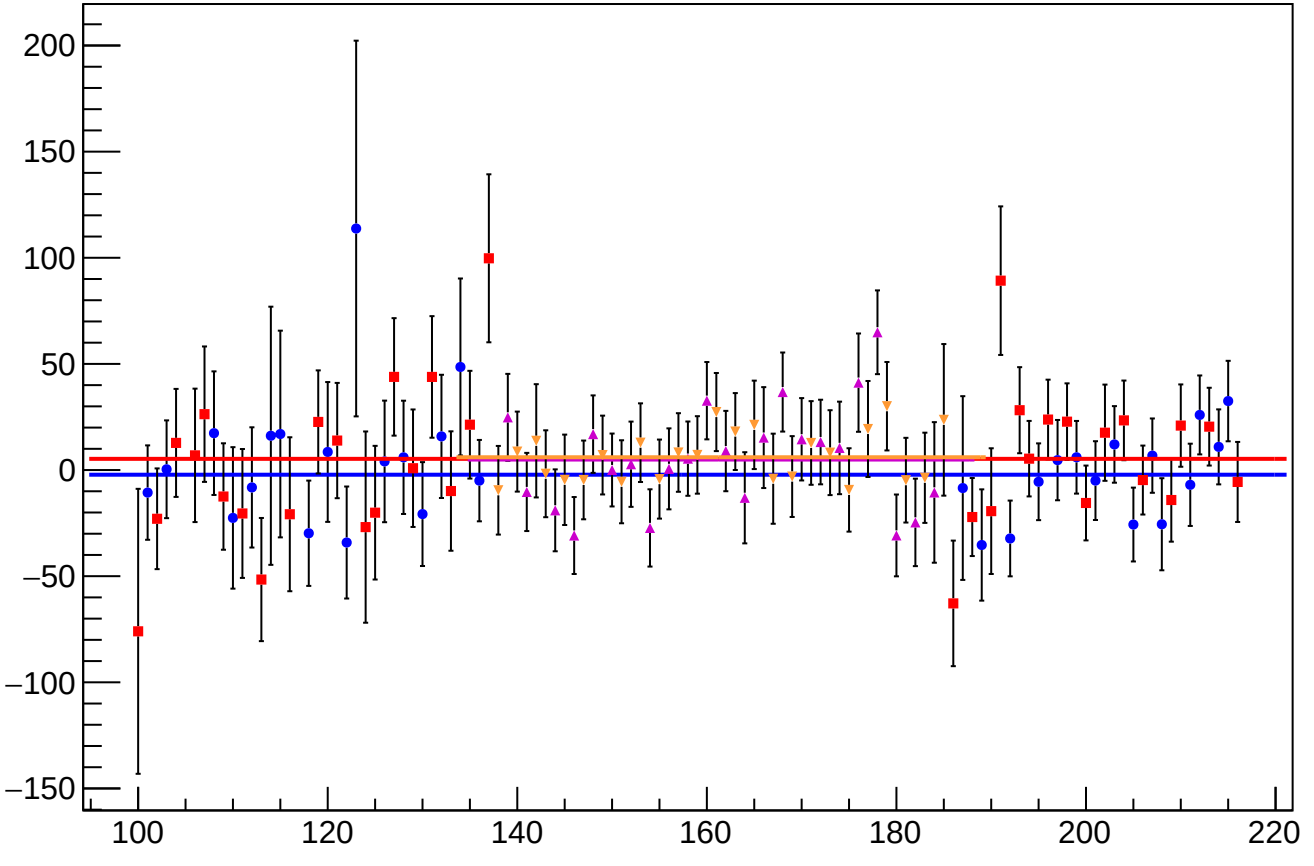
Right: 170.347+/-0.021 χ^2/NDF: 5073021.1/66

In: 175.109+/-0.022 χ^2/NDF:3822916.4/54

Out: 182.429+/-0.022 χ^2/NDF:5041245.7/59

All: 178.676+/-0.016 χ^2/NDF: 8918622.2/114

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.201+/-4.035 χ^2/NDF: 23.4/31

Left Out: 6.020+/-4.017 χ^2/NDF:8.1/24

Right Out: 5.275+/-4.003 χ^2/NDF: 43.7/34

Left In: 4.943+/-4.108 χ^2/NDF:34.8/22

Left: 5.494+/-2.872 χ^2/NDF: 43.0/47

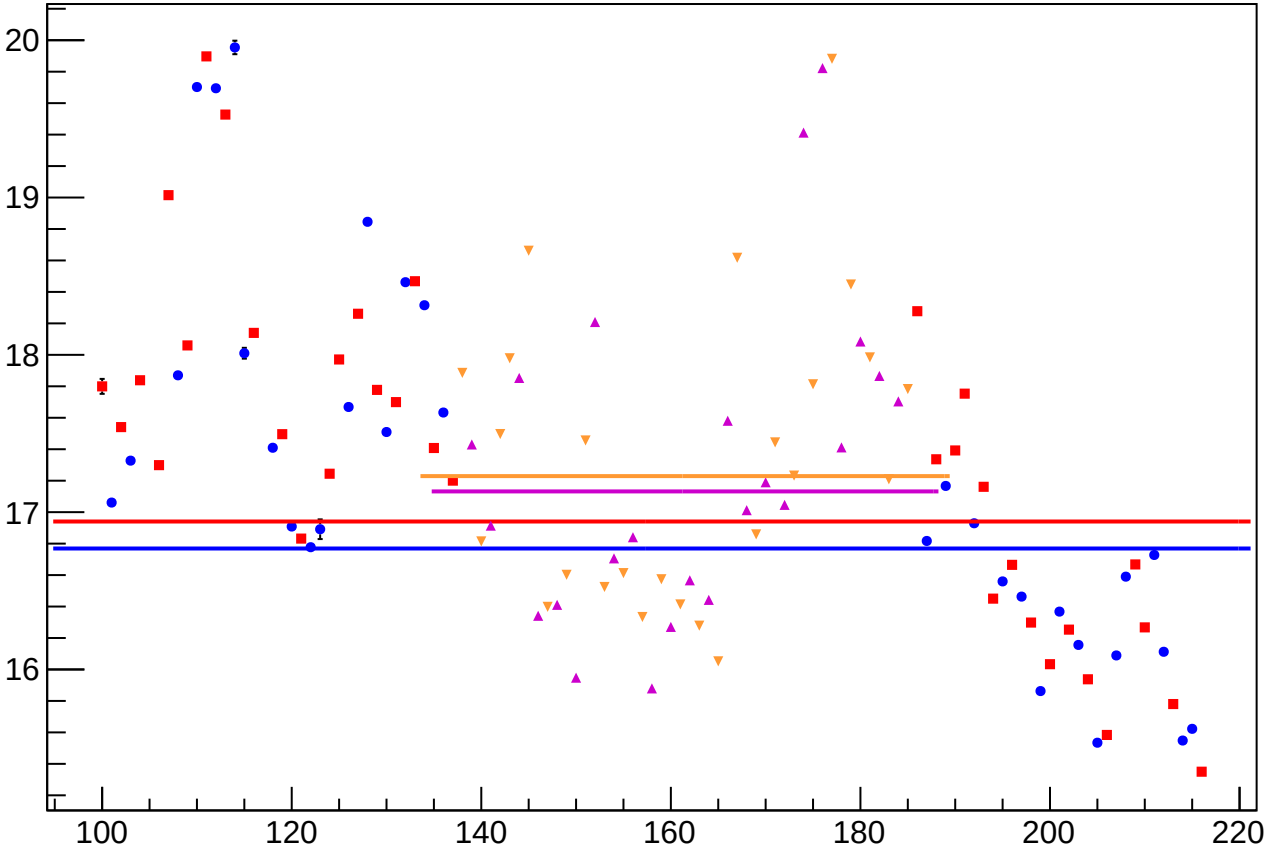
Right: 1.566+/-2.842 χ^2/NDF: 68.9/66

In: 1.308+/-2.878 χ^2/NDF:59.8/54

Out: 5.646+/-2.836 χ^2/NDF:51.9/59

All: 3.509+/-2.020 χ^2/NDF: 112.8/114

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.769+/-0.003 χ^2/NDF: 121779.8/31

Left Out: 17.229+/-0.003 χ^2/NDF:98624.7/24

Right Out: 16.941+/-0.003 χ^2/NDF: 134732.4/34

Left In: 17.132+/-0.003 χ^2/NDF:103997.3/22

Left: 17.182+/-0.002 χ^2/NDF: 203195.4/47

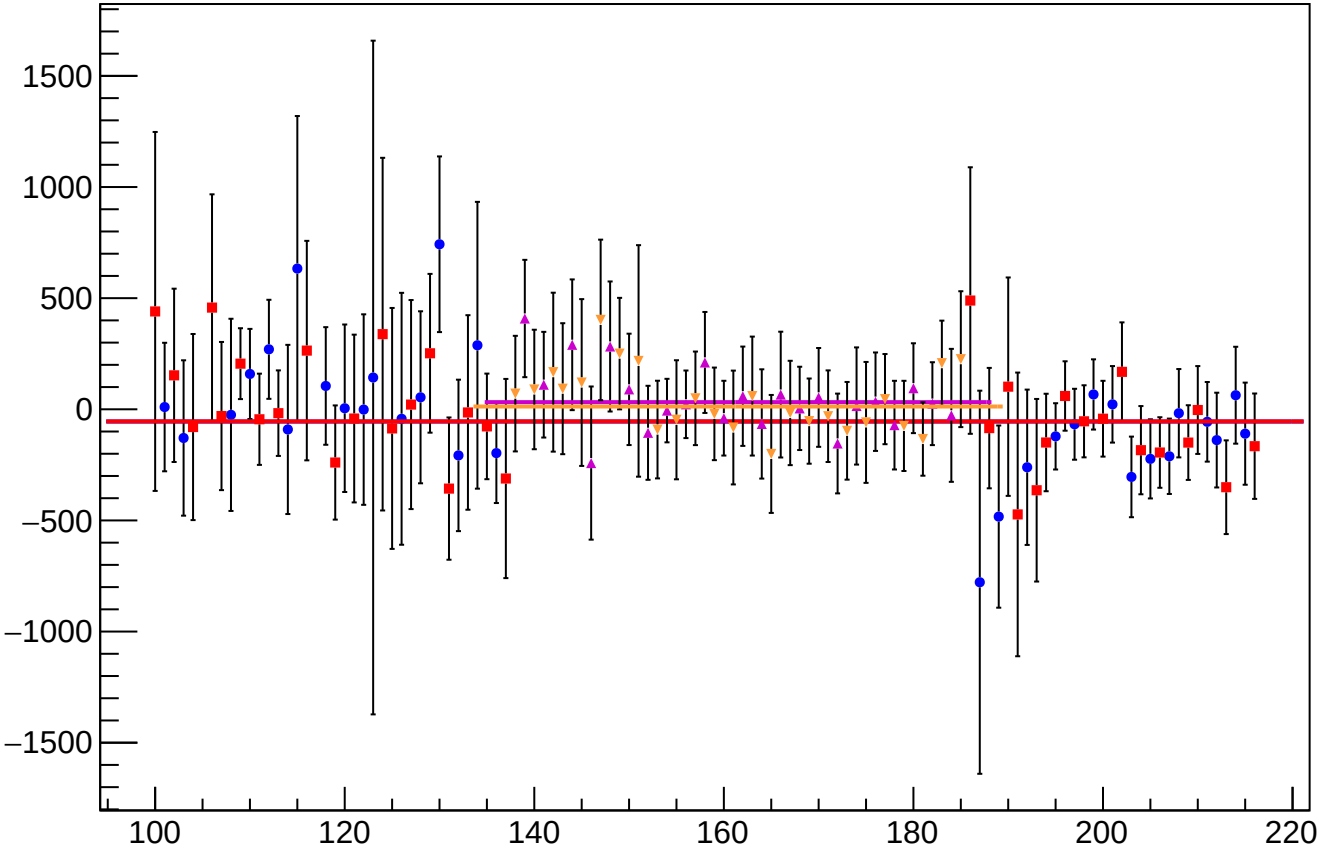
Right: 16.855+/-0.002 χ^2/NDF: 258336.2/66

In: 16.947+/-0.002 χ^2/NDF:233722.5/54

Out: 17.084+/-0.002 χ^2/NDF:238534.3/59

All: 17.017+/-0.001 χ^2/NDF: 474562.7/114

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -55.088+/-42.952 χ^2/NDF: 17.1/31

Left Out: 12.474+/-48.086 χ^2/NDF:6.8/24

Right Out: -54.423+/-42.722 χ^2/NDF: 15.0/34

Left In: 32.159+/-45.131 χ^2/NDF:6.9/22

Left: 22.940+/-32.908 χ^2/NDF: 13.9/47

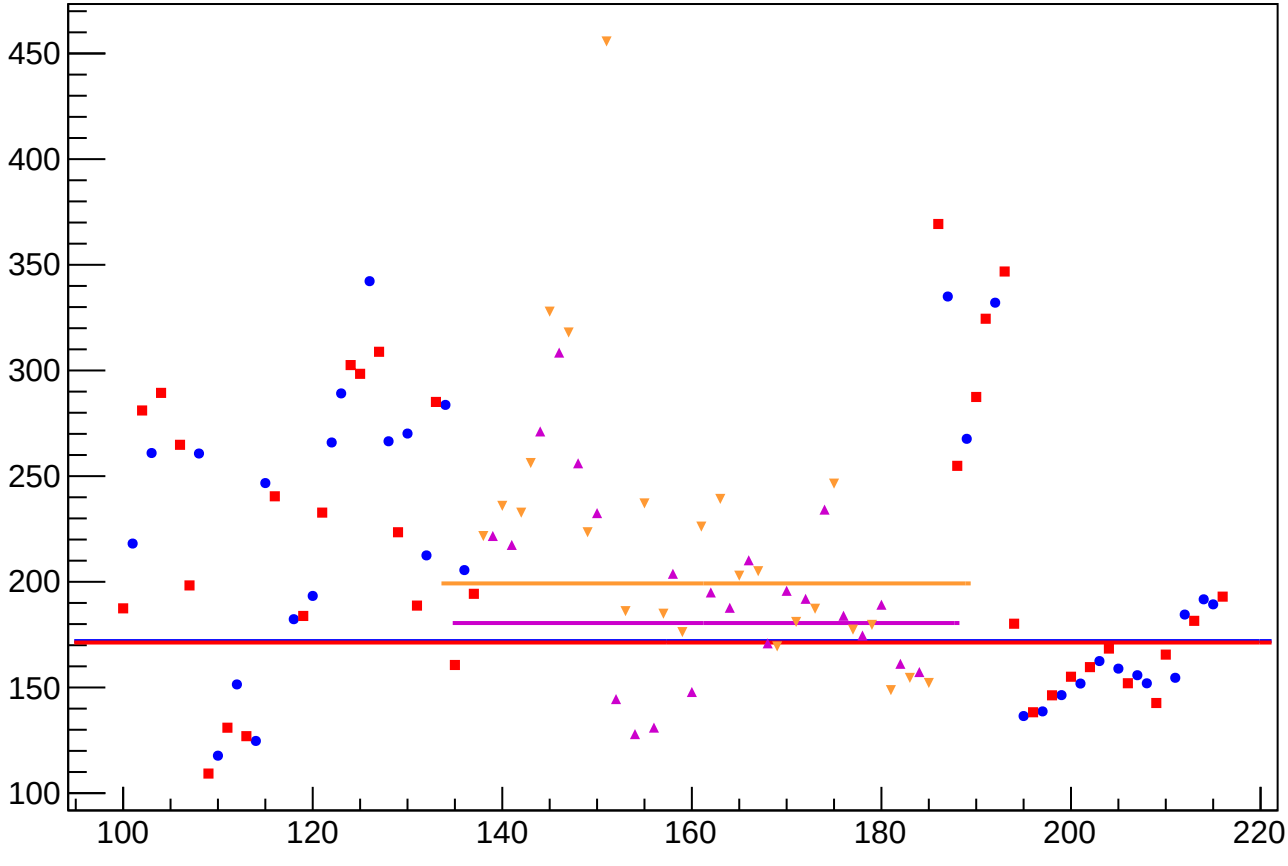
Right: -54.754+/-30.290 χ^2/NDF: 32.1/66

In: -13.621+/-31.113 χ^2/NDF:26.0/54

Out: -24.912+/-31.938 χ^2/NDF:22.9/59

All: -19.119+/-22.286 χ^2/NDF: 49.0/114

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.954+/-0.030 χ^2/NDF: 2142177.1/31

Left Out: 199.241+/-0.034 χ^2/NDF:1764097.7/24

Right Out: 171.270+/-0.030 χ^2/NDF: 2787057.4/34

Left In: 180.494+/-0.032 χ^2/NDF:1593784.1/22

Left: 189.274+/-0.023 χ^2/NDF: 3519511.1/47

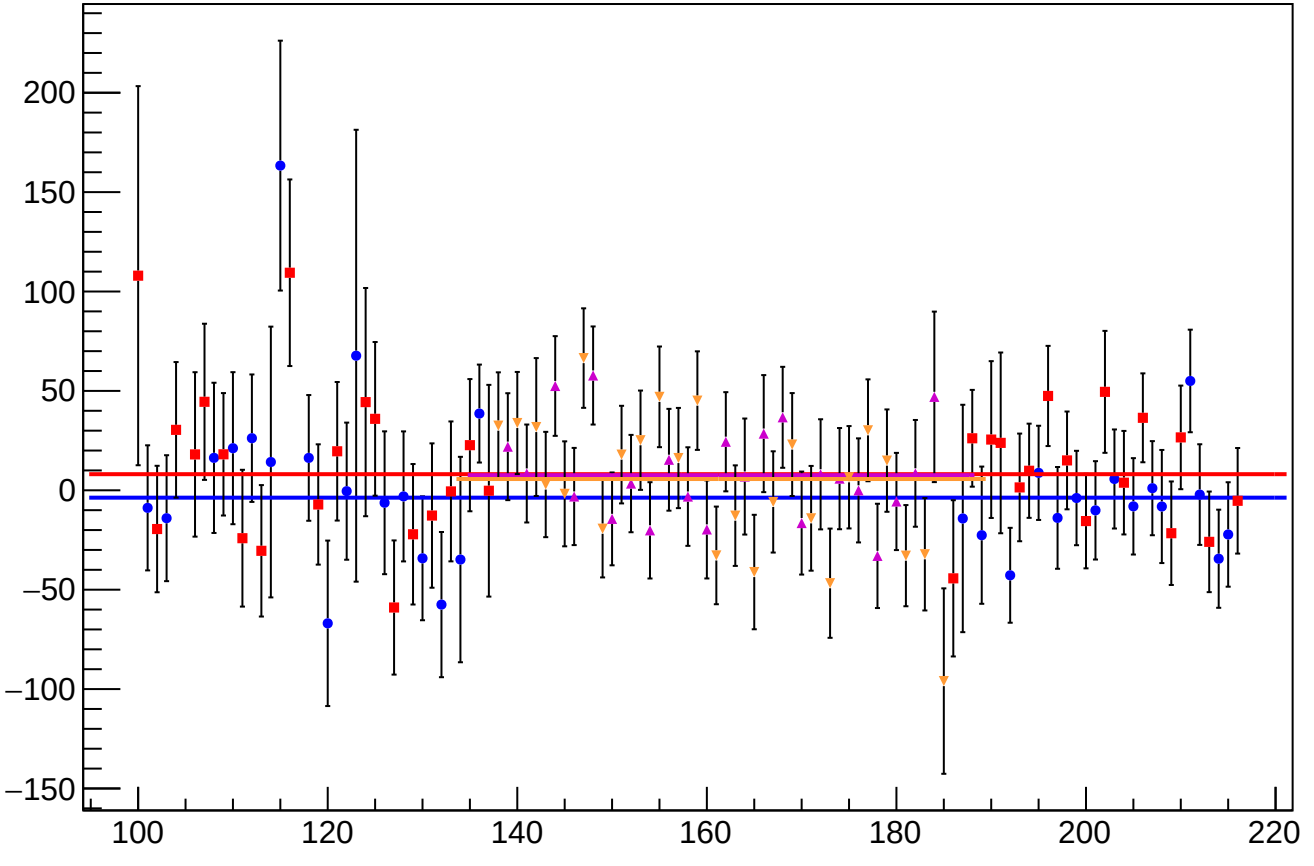
Right: 171.610+/-0.021 χ^2/NDF: 4929489.1/66

In: 176.013+/-0.022 χ^2/NDF:3773536.9/54

Out: 183.609+/-0.023 χ^2/NDF:4929343.1/59

All: 179.712+/-0.016 χ^2/NDF: 8760935.8/114

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.704+/-5.350 χ^2/NDF: 29.4/31

Left Out: 5.673+/-5.278 χ^2/NDF:36.4/24

Right Out: 8.108+/-5.277 χ^2/NDF: 30.3/34

Left In: 7.594+/-5.402 χ^2/NDF:18.3/22

Left: 6.611+/-3.775 χ^2/NDF: 54.8/47

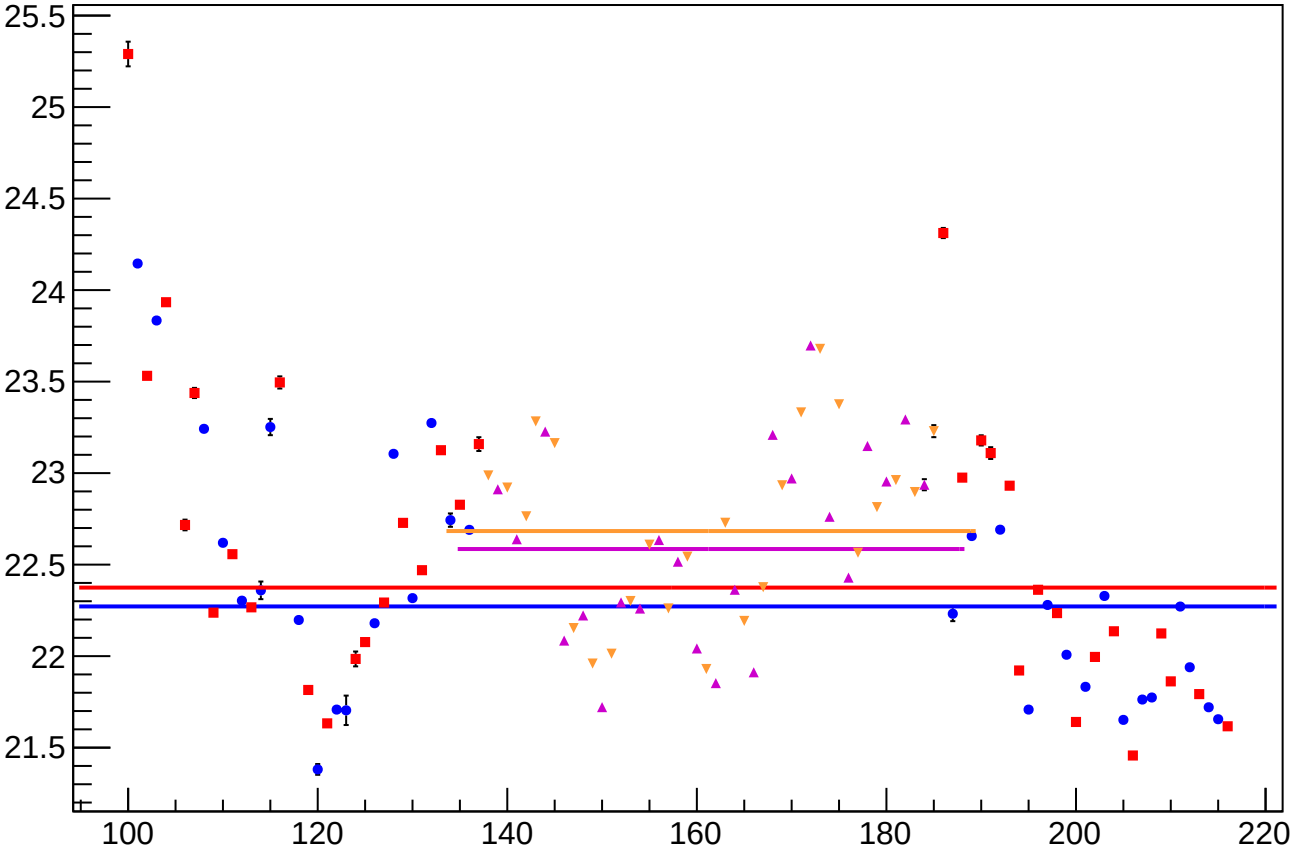
Right: 2.283+/-3.757 χ^2/NDF: 62.1/66

In: 1.890+/-3.801 χ^2/NDF:49.9/54

Out: 6.891+/-3.732 χ^2/NDF:66.8/59

All: 4.437+/-2.663 χ^2/NDF: 117.6/114

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.272+/-0.004 χ^2/NDF: 27182.3/31

Left Out: 22.683+/-0.004 χ^2/NDF:16318.1/24

Right Out: 22.374+/-0.004 χ^2/NDF: 33762.1/34

Left In: 22.585+/-0.004 χ^2/NDF:18087.5/22

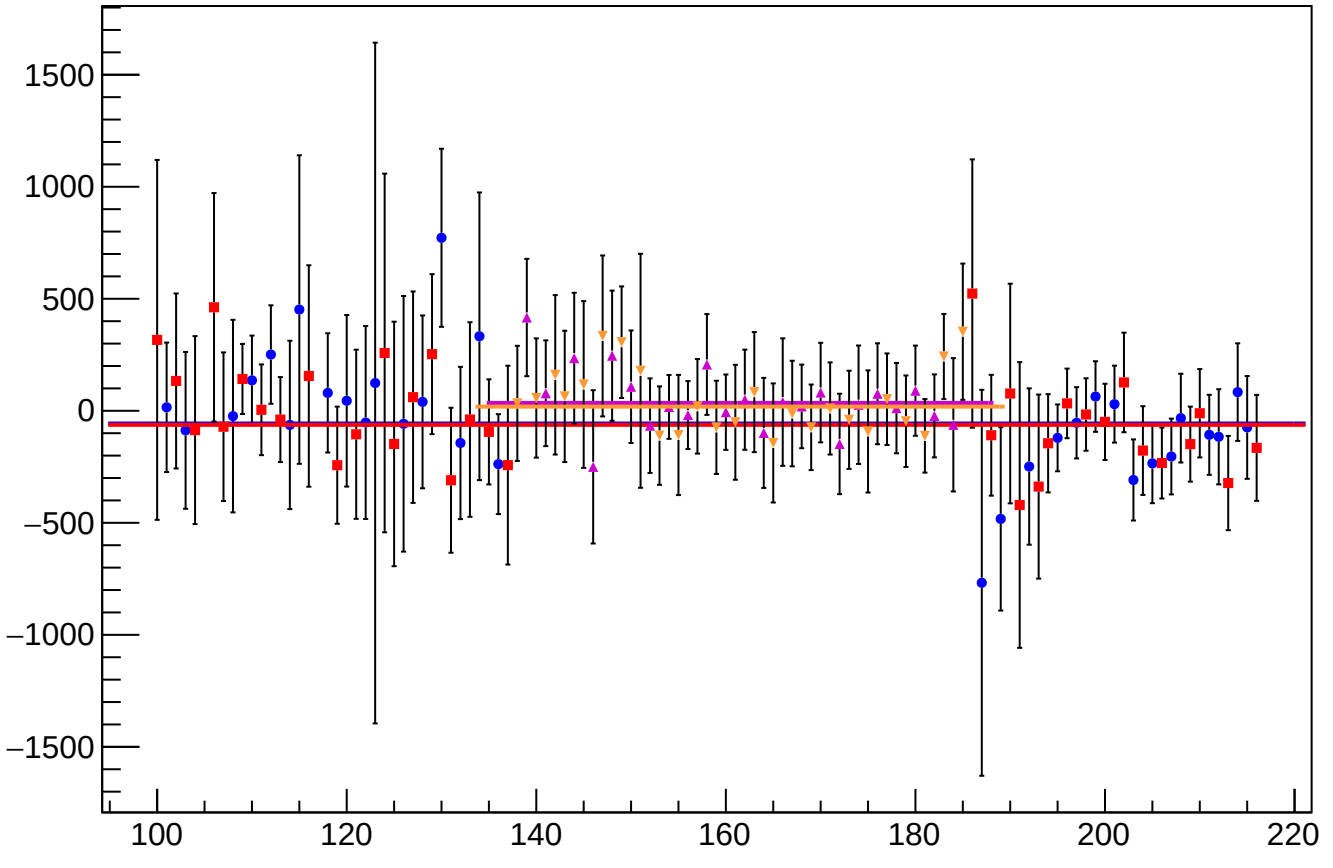
Left: 22.635+/-0.003 χ^2/NDF: 34743.7/47

Right: 22.324+/-0.003 χ^2/NDF: 61319.6/66

In: 22.427+/-0.003 χ^2/NDF:48675.7/54

Out: 22.529+/-0.003 χ^2/NDF:53508.5/59

All: 22.479+/-0.002 χ^2/NDF: 102918.1/114



Right In: -56.739+/-42.834 χ^2/NDF: 16.8/31

Left Out: 18.633+/-48.006 χ^2/NDF:7.6/24

Right Out: -62.640+/-42.546 χ^2/NDF: 12.6/34

Left In: 35.046+/-45.063 χ^2/NDF:6.3/22

Left: 27.358+/-32.855 χ^2/NDF: 13.9/47

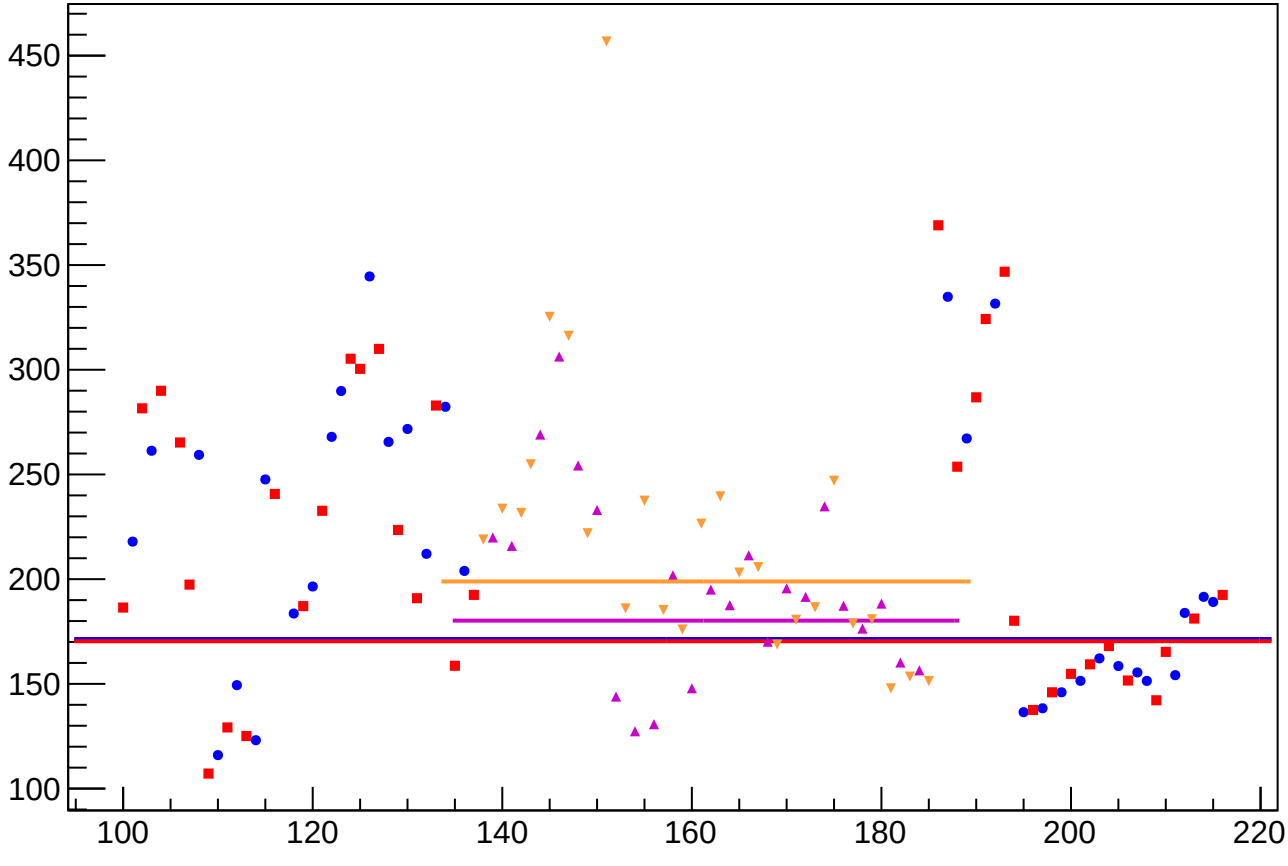
Right: -59.709+/-30.186 χ^2/NDF: 29.3/66

In: -13.173+/-31.046 χ^2/NDF:25.2/54

Out: -26.886+/-31.841 χ^2/NDF:21.8/59

All: -19.856+/-22.229 χ^2/NDF: 47.1/114

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.408+/-0.030 χ^2/NDF: 2172986.4/31

Left Out: 198.891+/-0.034 χ^2/NDF:1762454.6/24

Right Out: 170.380+/-0.030 χ^2/NDF: 2855011.3/34

Left In: 180.207+/-0.032 χ^2/NDF:1589005.4/22

Left: 188.959+/-0.023 χ^2/NDF: 3512499.2/47

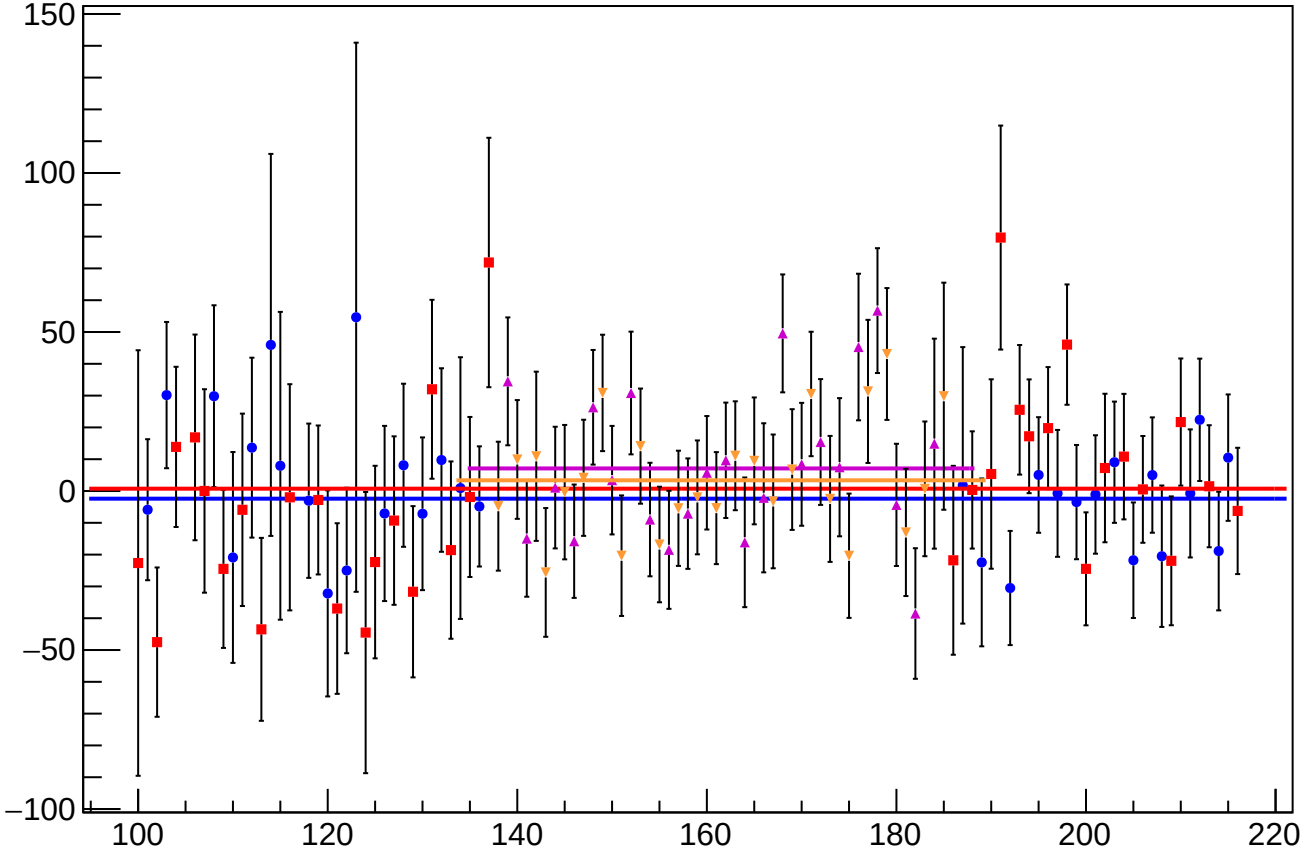
Right: 170.891+/-0.021 χ^2/NDF: 5028577.7/66

In: 175.585+/-0.022 χ^2/NDF:3802049.9/54

Out: 182.923+/-0.023 χ^2/NDF:5012552.7/59

All: 179.161+/-0.016 χ^2/NDF: 8869056.4/114

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.410+/-4.101 χ^2/NDF: 15.5/31

Left Out: 3.372+/-3.947 χ^2/NDF:18.8/24

Right Out: 0.732+/-4.048 χ^2/NDF: 38.1/34

Left In: 7.099+/-4.047 χ^2/NDF:32.5/22

Left: 5.189+/-2.826 χ^2/NDF: 51.8/47

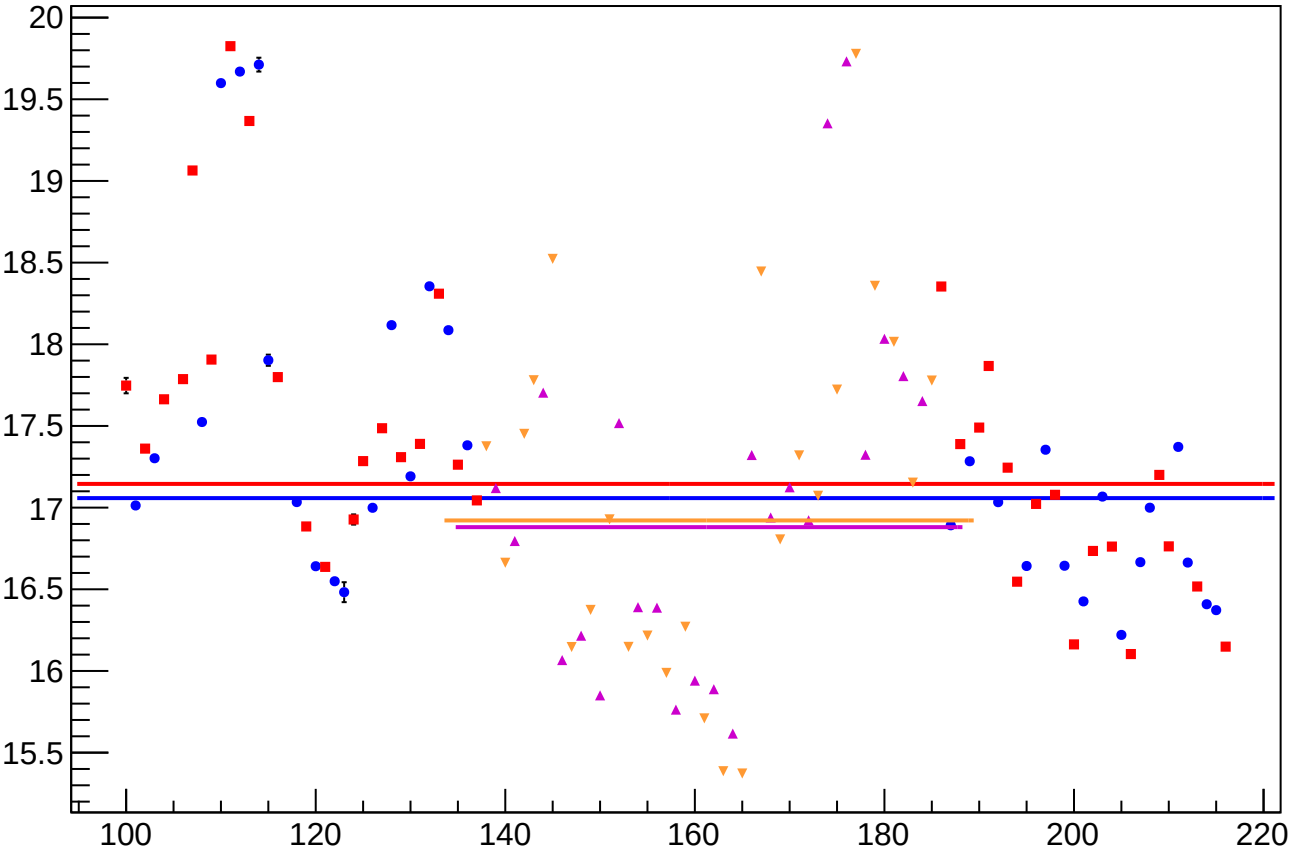
Right: -0.819+/-2.881 χ^2/NDF: 53.9/66

In: 2.408+/-2.881 χ^2/NDF:50.8/54

Out: 2.085+/-2.826 χ^2/NDF:57.1/59

All: 2.243+/-2.017 χ^2/NDF: 107.8/114

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.058+/-0.003 χ^2/NDF: 60984.2/31

Left Out: 16.921+/-0.003 χ^2/NDF:138990.4/24

Right Out: 17.145+/-0.003 χ^2/NDF: 74778.8/34

Left In: 16.880+/-0.003 χ^2/NDF:121736.1/22

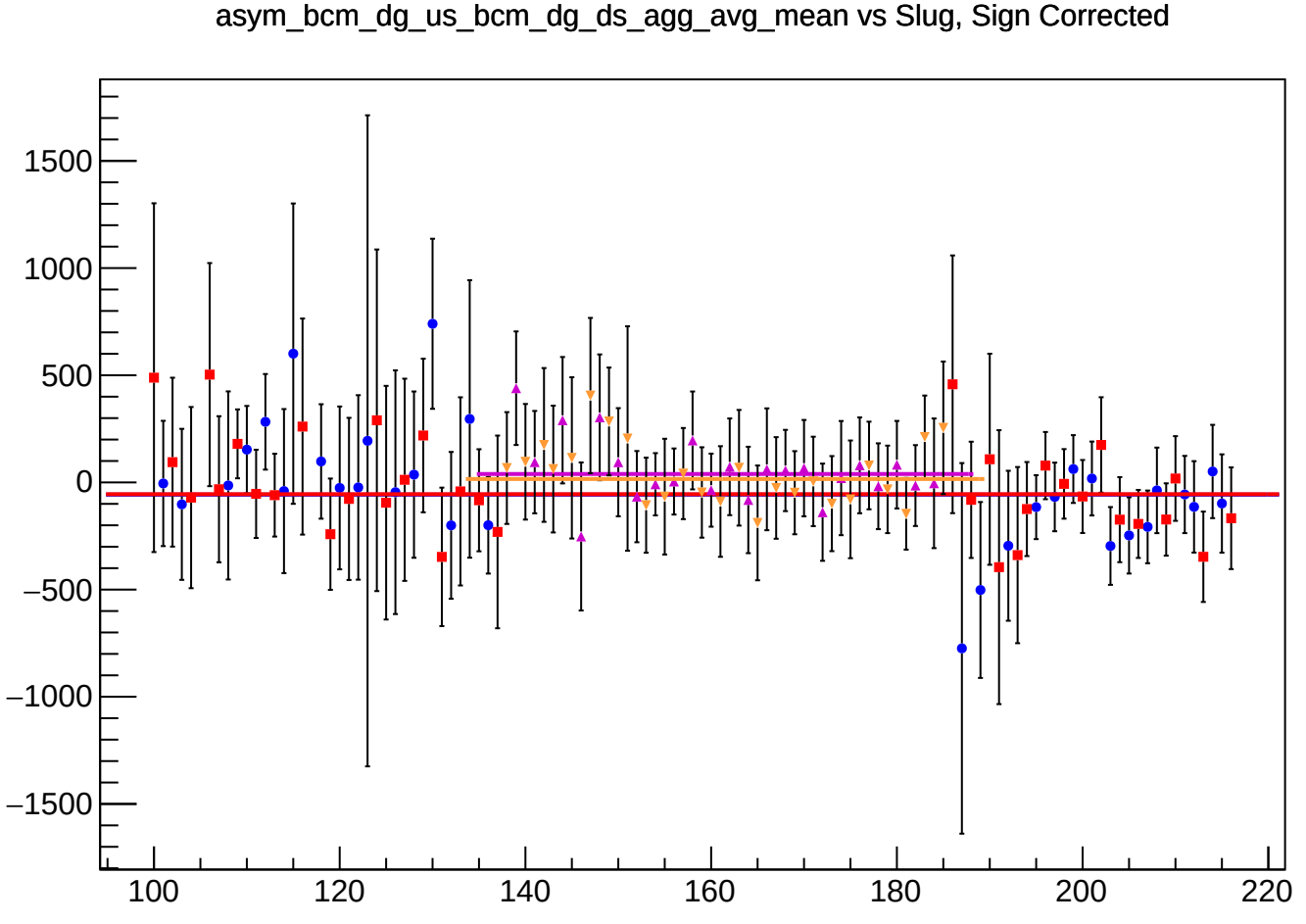
Left: 16.901+/-0.002 χ^2/NDF: 260831.8/47

Right: 17.102+/-0.002 χ^2/NDF: 136218.4/66

In: 16.968+/-0.002 χ^2/NDF:184624.2/54

Out: 17.030+/-0.002 χ^2/NDF:216900.6/59

All: 17.000+/-0.001 χ^2/NDF: 402001.9/114



Right In: -57.024+/-43.064 χ^2/NDF: 16.9/31

Left Out: 15.970+/-48.503 χ^2/NDF:7.4/24

Right Out: -54.978+/-42.855 χ^2/NDF: 14.1/34

Left In: 39.377+/-45.571 χ^2/NDF:6.9/22

Left: 28.402+/-33.212 χ^2/NDF: 14.4/47

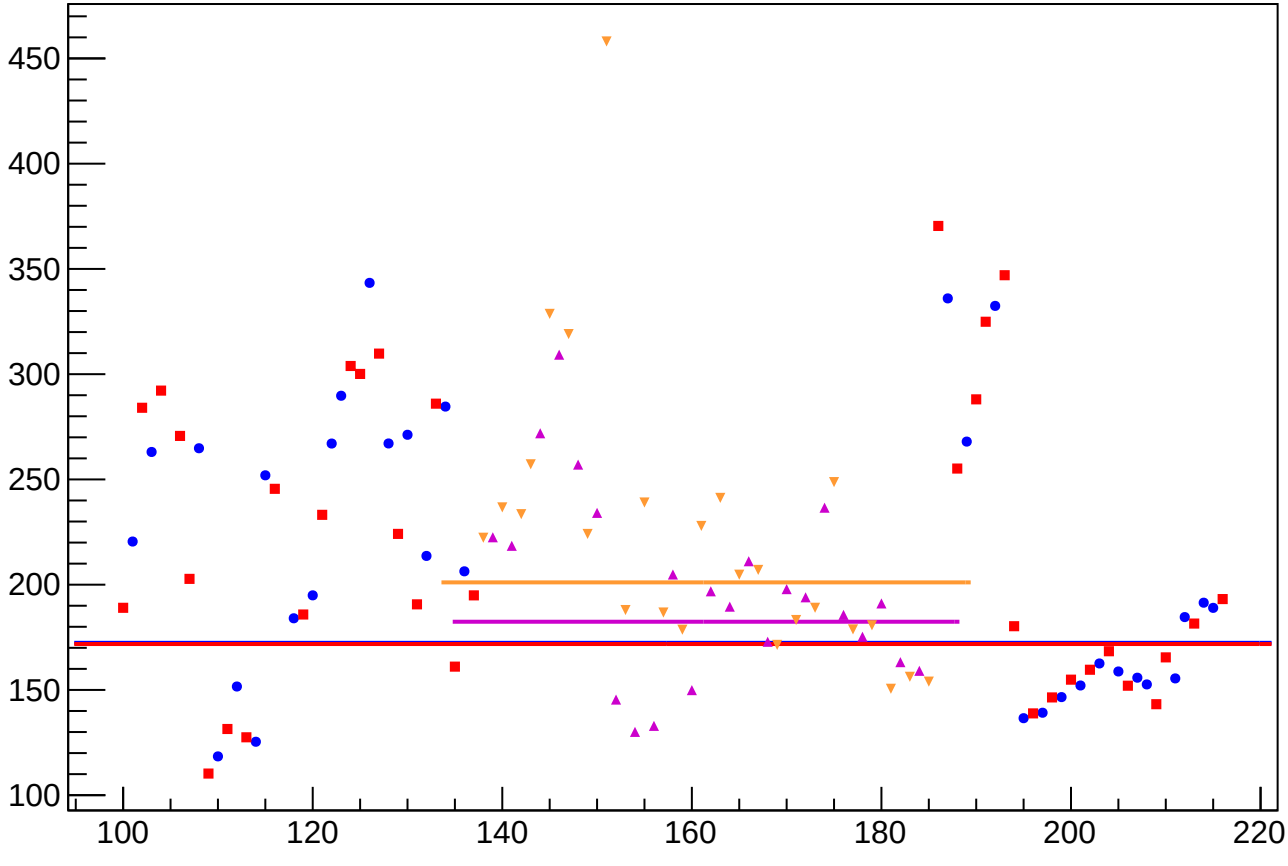
Right: -55.996+/-30.377 χ^2/NDF: 31.0/66

In: -11.548+/-31.299 χ^2/NDF:26.2/54

Out: -23.874+/-32.115 χ^2/NDF:22.6/59

All: -17.552+/-22.415 χ^2/NDF: 48.9/114

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.378+/-0.030 χ^2/NDF: 2154551.9/31

Left Out: 201.091+/-0.034 χ^2/NDF:1731069.1/24

Right Out: 171.805+/-0.030 χ^2/NDF: 2796694.8/34

Left In: 182.396+/-0.032 χ^2/NDF:1548907.7/22

Left: 191.161+/-0.023 χ^2/NDF: 3437793.2/47

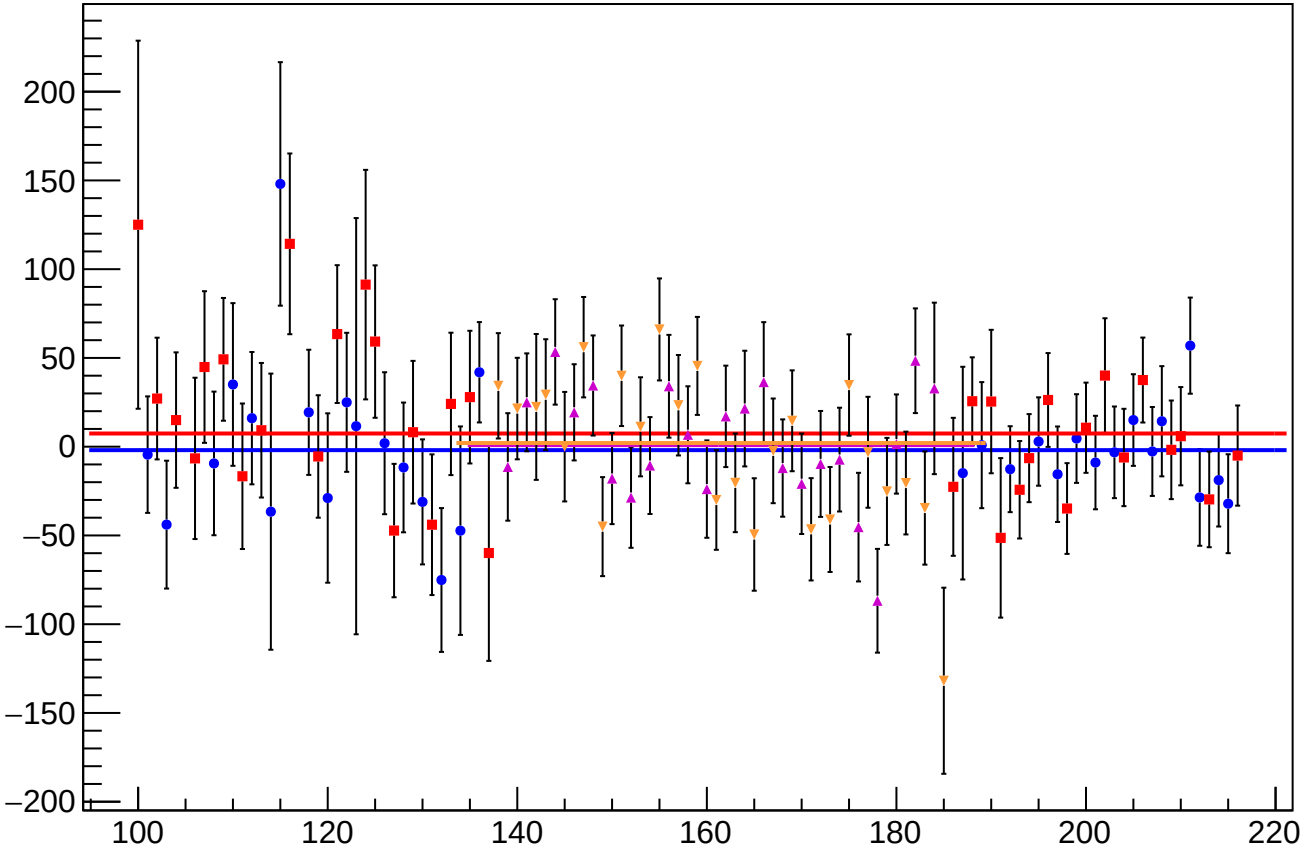
Right: 172.090+/-0.021 χ^2/NDF: 4951424.3/66

In: 177.104+/-0.022 χ^2/NDF:3754519.7/54

Out: 184.645+/-0.023 χ^2/NDF:4937228.7/59

All: 180.777+/-0.016 χ^2/NDF: 8748300.3/114

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.946+/-5.764 χ^2/NDF: 24.1/31

Left Out: 2.054+/-5.970 χ^2/NDF:39.4/24

Right Out: 7.426+/-5.663 χ^2/NDF: 32.6/34

Left In: 0.900+/-6.069 χ^2/NDF:27.1/22

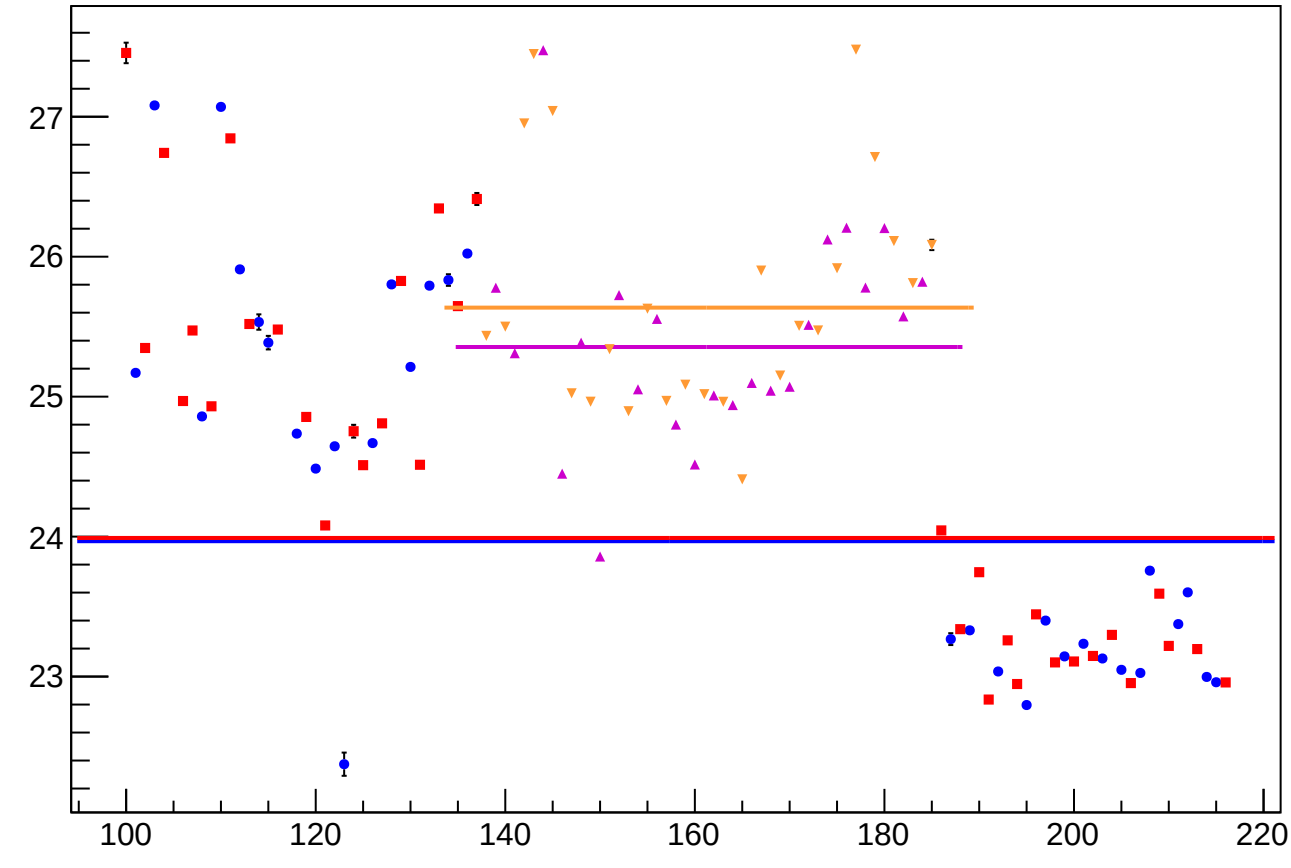
Left: 1.487+/-4.256 χ^2/NDF: 66.5/47

Right: 2.822+/-4.040 χ^2/NDF: 58.1/66

In: -0.596+/-4.180 χ^2/NDF:51.3/54

Out: 4.881+/-4.109 χ^2/NDF:72.5/59

All: 2.189+/-2.930 χ^2/NDF: 124.7/114



Right In: 23.967+/-0.004 χ^2/NDF: 88990.7/31

Left Out: 25.636+/-0.004 χ^2/NDF:35130.7/24

Right Out: 23.990+/-0.004 χ^2/NDF: 82775.3/34

Left In: 25.355+/-0.004 χ^2/NDF:29766.2/22

Left: 25.498+/-0.003 χ^2/NDF: 67081.3/47

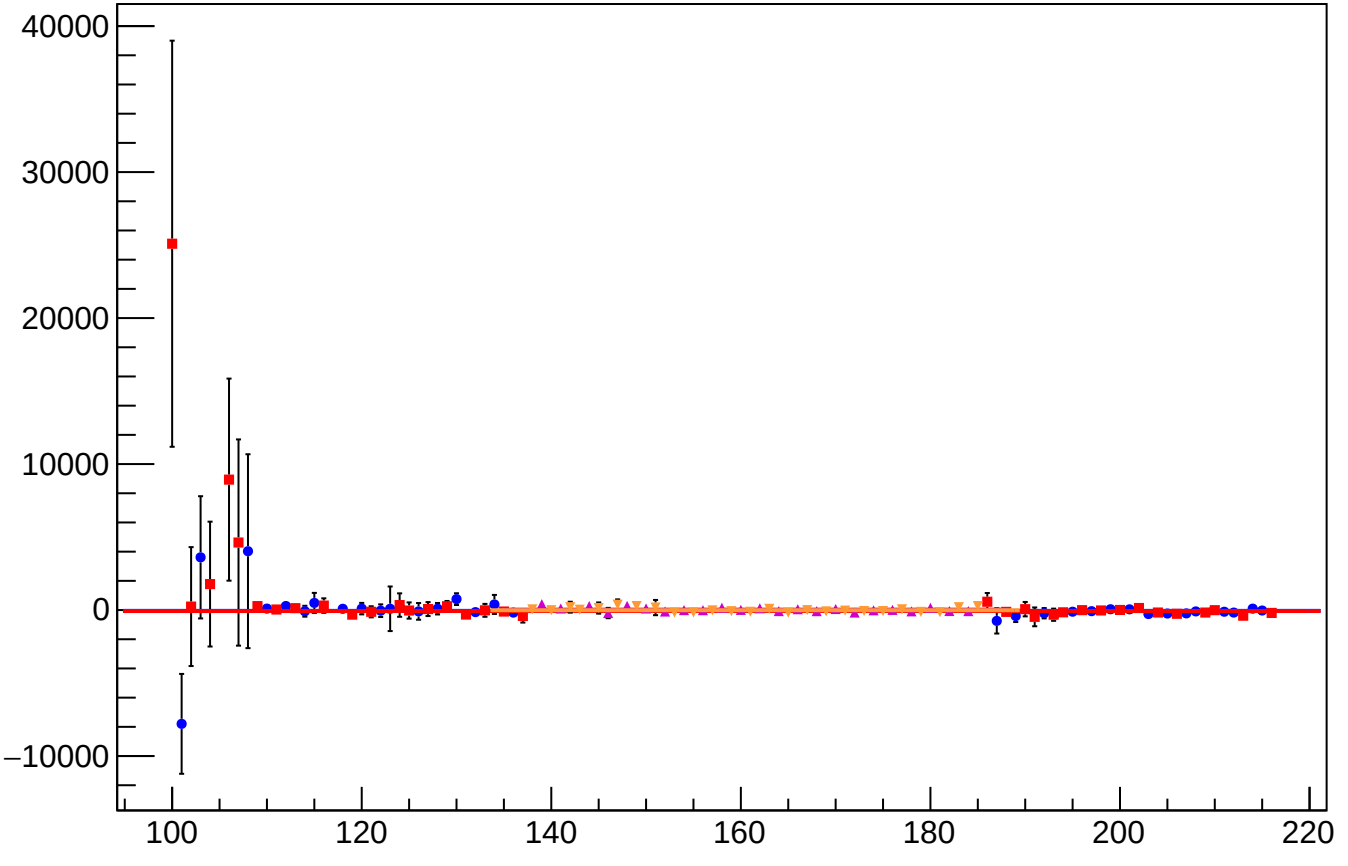
Right: 23.979+/-0.003 χ^2/NDF: 171782.4/66

In: 24.625+/-0.003 χ^2/NDF:173714.7/54

Out: 24.770+/-0.003 χ^2/NDF:197892.5/59

All: 24.699+/-0.002 χ^2/NDF: 372826.7/114

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -57.276+/-44.953 χ^2/NDF: 22.0/31

Left Out: -12.820+/-48.216 χ^2/NDF:7.9/24

Right Out: -66.834+/-45.375 χ^2/NDF: 21.0/34

Left In: 26.836+/-45.876 χ^2/NDF:7.5/22

Left: 7.994+/-33.236 χ^2/NDF: 15.7/47

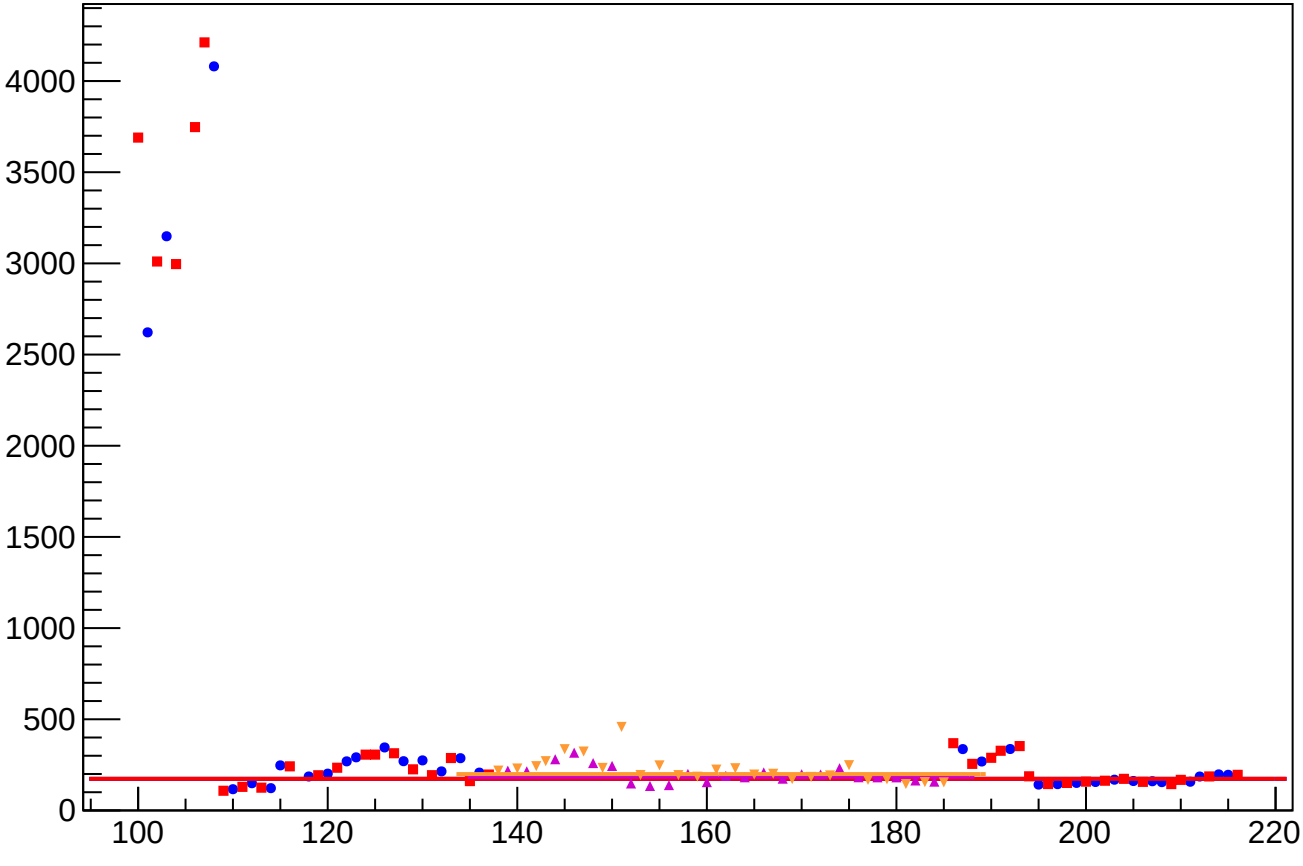
Right: -62.010+/-31.935 χ^2/NDF: 43.0/66

In: -16.074+/-32.108 χ^2/NDF:31.2/54

Out: -41.465+/-33.044 χ^2/NDF:29.5/59

All: -28.405+/-23.028 χ^2/NDF: 61.0/114

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.289+/-0.032 χ^2/NDF: 4565883.1/31

Left Out: 199.536+/-0.034 χ^2/NDF:1880548.8/24

Right Out: 173.536+/-0.032 χ^2/NDF: 5419589.9/34

Left In: 184.031+/-0.032 χ^2/NDF:1423454.3/22

Left: 191.398+/-0.024 χ^2/NDF: 3412539.0/47

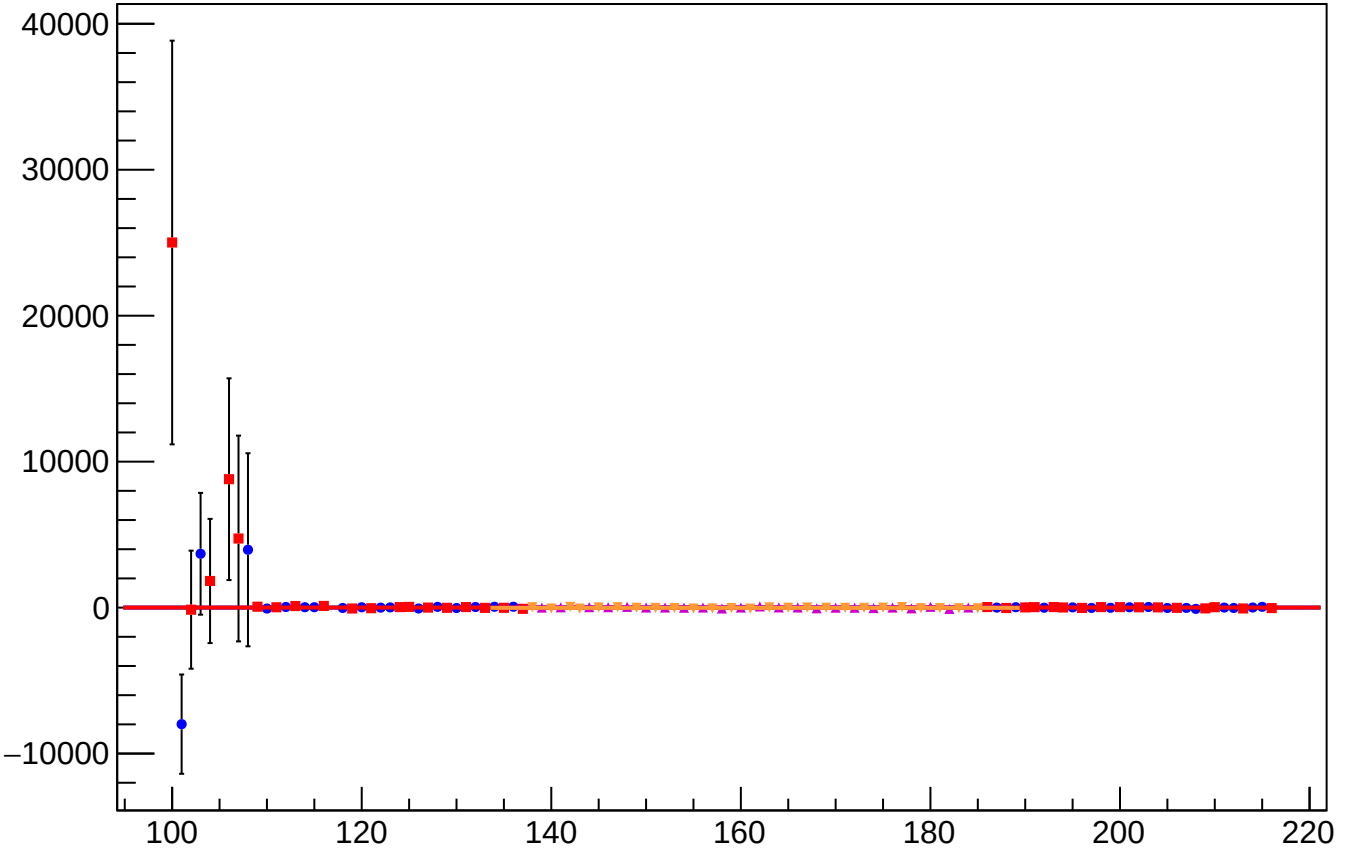
Right: 173.412+/-0.023 χ^2/NDF: 9985502.8/66

In: 178.551+/-0.023 χ^2/NDF:6045278.6/54

Out: 185.747+/-0.023 χ^2/NDF:7608536.5/59

All: 182.046+/-0.016 χ^2/NDF: 13702600.5/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.595+/-6.919 χ^2/NDF: 33.5/31

Left Out: -17.580+/-6.694 χ^2/NDF:22.3/24

Right Out: 3.790+/-6.879 χ^2/NDF: 39.8/34

Left In: 1.038+/-6.880 χ^2/NDF:32.4/22

Left: -8.527+/-4.798 χ^2/NDF: 58.5/47

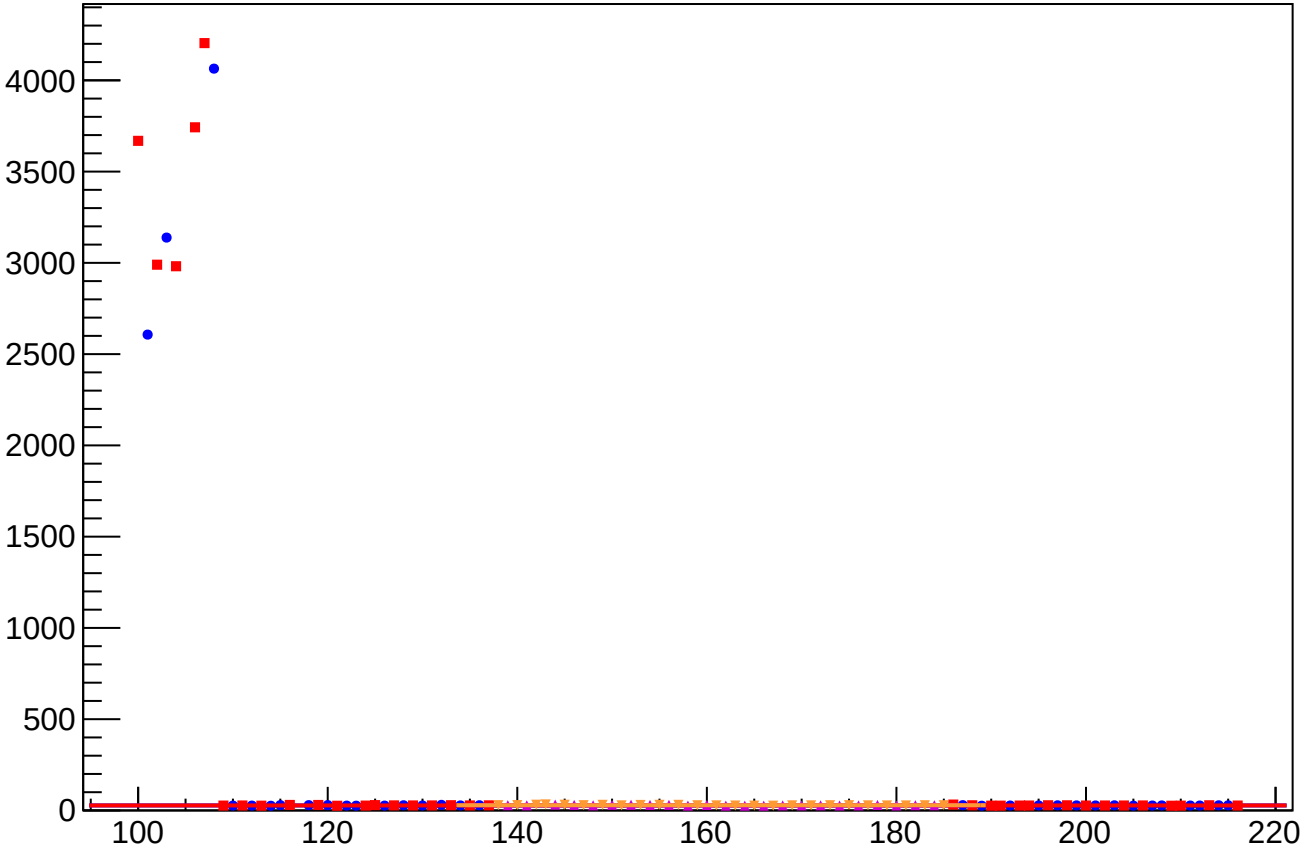
Right: 2.699+/-4.878 χ^2/NDF: 73.3/66

In: 1.315+/-4.879 χ^2/NDF:65.9/54

Out: -7.187+/-4.797 χ^2/NDF:67.1/59

All: -3.008+/-3.421 χ^2/NDF: 134.5/114

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.506+/-0.005 χ^2/NDF: 3044324.5/31

Left Out: 28.691+/-0.005 χ^2/NDF:110483.8/24

Right Out: 27.444+/-0.005 χ^2/NDF: 3514509.2/34

Left In: 28.673+/-0.005 χ^2/NDF:124751.4/22

Left: 28.682+/-0.003 χ^2/NDF: 235242.3/47

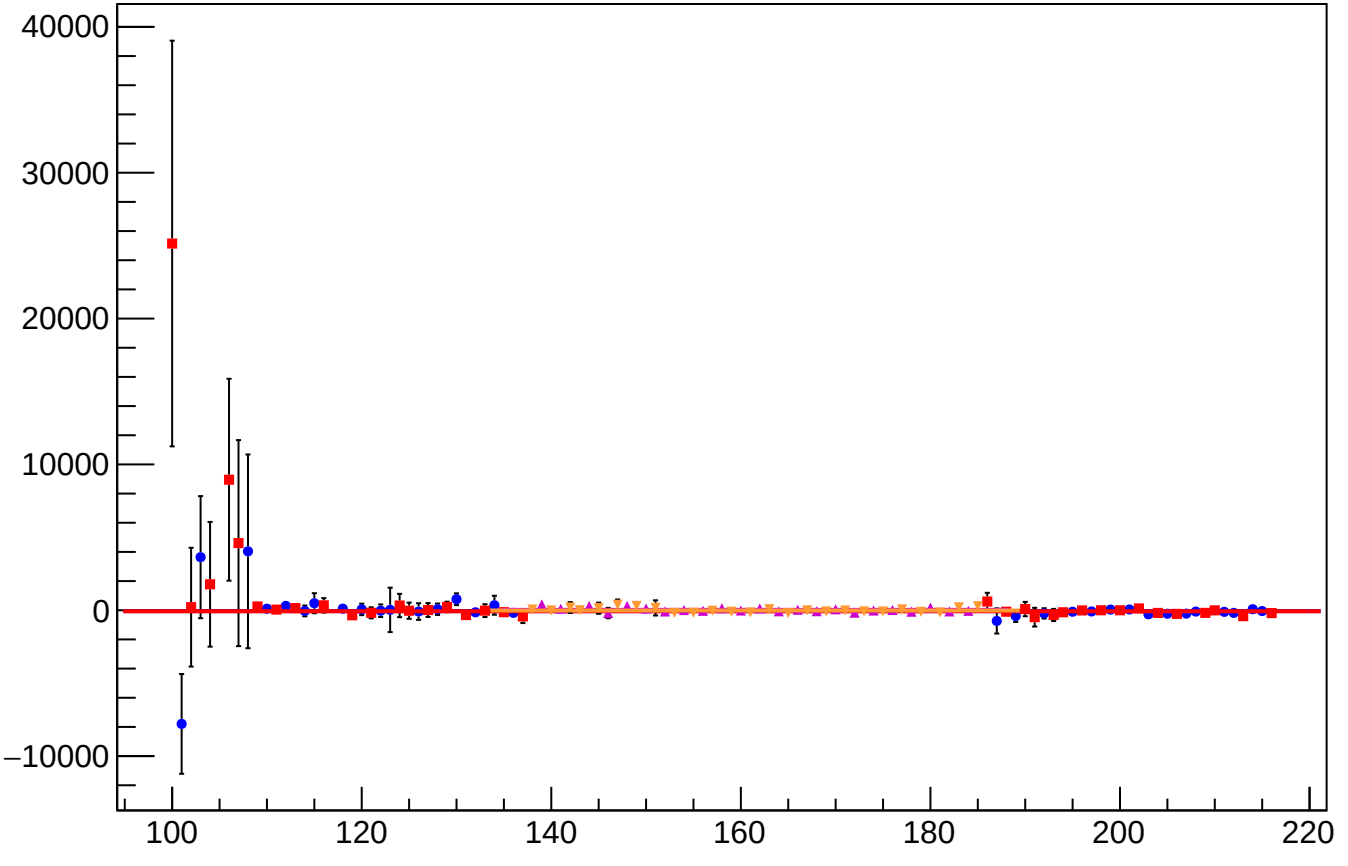
Right: 27.475+/-0.003 χ^2/NDF: 6558913.8/66

In: 28.093+/-0.003 χ^2/NDF:3197664.8/54

Out: 28.085+/-0.003 χ^2/NDF:3658717.3/59

All: 28.089+/-0.002 χ^2/NDF: 6856384.9/114

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -57.515+/-44.816 χ^2/NDF: 22.1/31

Left Out: -15.483+/-48.109 χ^2/NDF:8.7/24

Right Out: -69.159+/-45.243 χ^2/NDF: 21.8/34

Left In: 27.009+/-45.785 χ^2/NDF:7.8/22

Left: 6.815+/-33.166 χ^2/NDF: 16.9/47

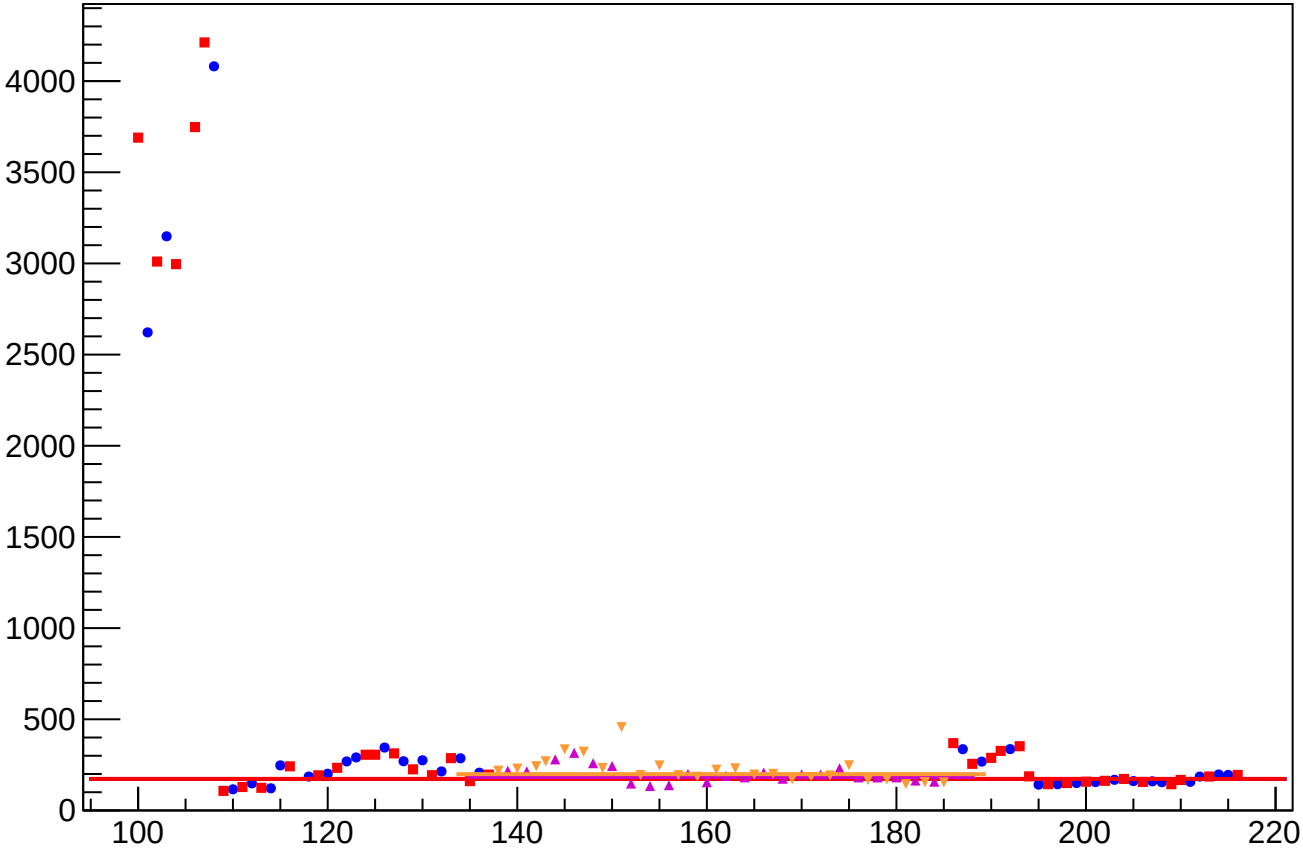
Right: -63.282+/-31.840 χ^2/NDF: 44.0/66

In: -16.156+/-32.027 χ^2/NDF:31.7/54

Out: -43.968+/-32.958 χ^2/NDF:31.2/59

All: -29.663+/-22.969 χ^2/NDF: 63.2/114

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.723+/-0.032 χ^2/NDF: 4579459.4/31

Left Out: 199.094+/-0.034 χ^2/NDF:1880343.4/24

Right Out: 172.981+/-0.032 χ^2/NDF: 5437349.2/34

Left In: 183.667+/-0.032 χ^2/NDF:1422895.7/22

Left: 190.999+/-0.023 χ^2/NDF: 3411149.8/47

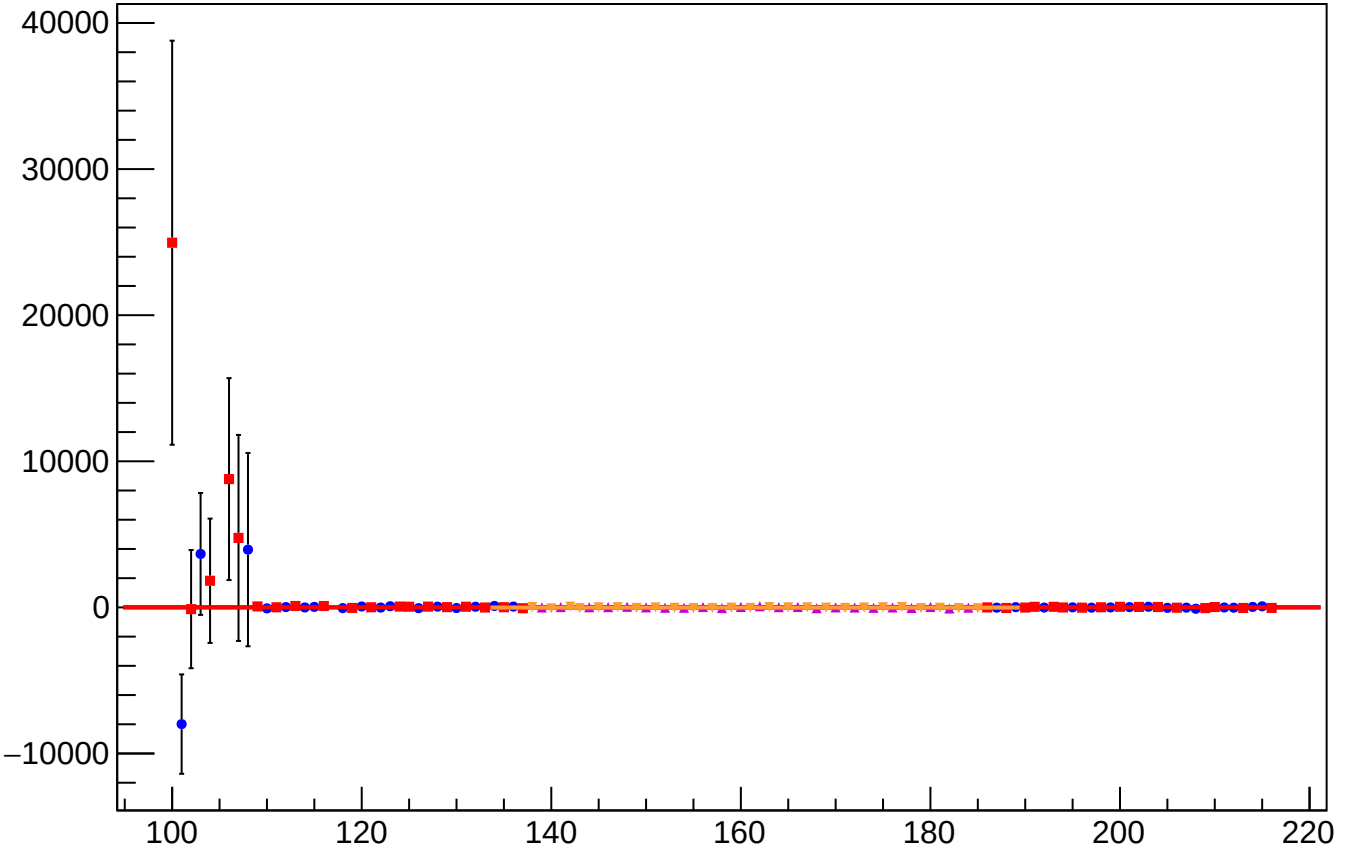
Right: 172.851+/-0.023 χ^2/NDF: 10016841.5/66

In: 178.078+/-0.023 χ^2/NDF:6060713.2/54

Out: 185.237+/-0.023 χ^2/NDF:7630380.8/59

All: 181.555+/-0.016 χ^2/NDF: 13739617.9/11

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.809+/-6.882 χ^2/NDF: 41.1/31

Left Out: -15.006+/-6.723 χ^2/NDF:17.5/24

Right Out: 7.065+/-6.853 χ^2/NDF: 34.7/34

Left In: -0.702+/-6.909 χ^2/NDF:26.4/22

Left: -8.049+/-4.819 χ^2/NDF: 46.0/47

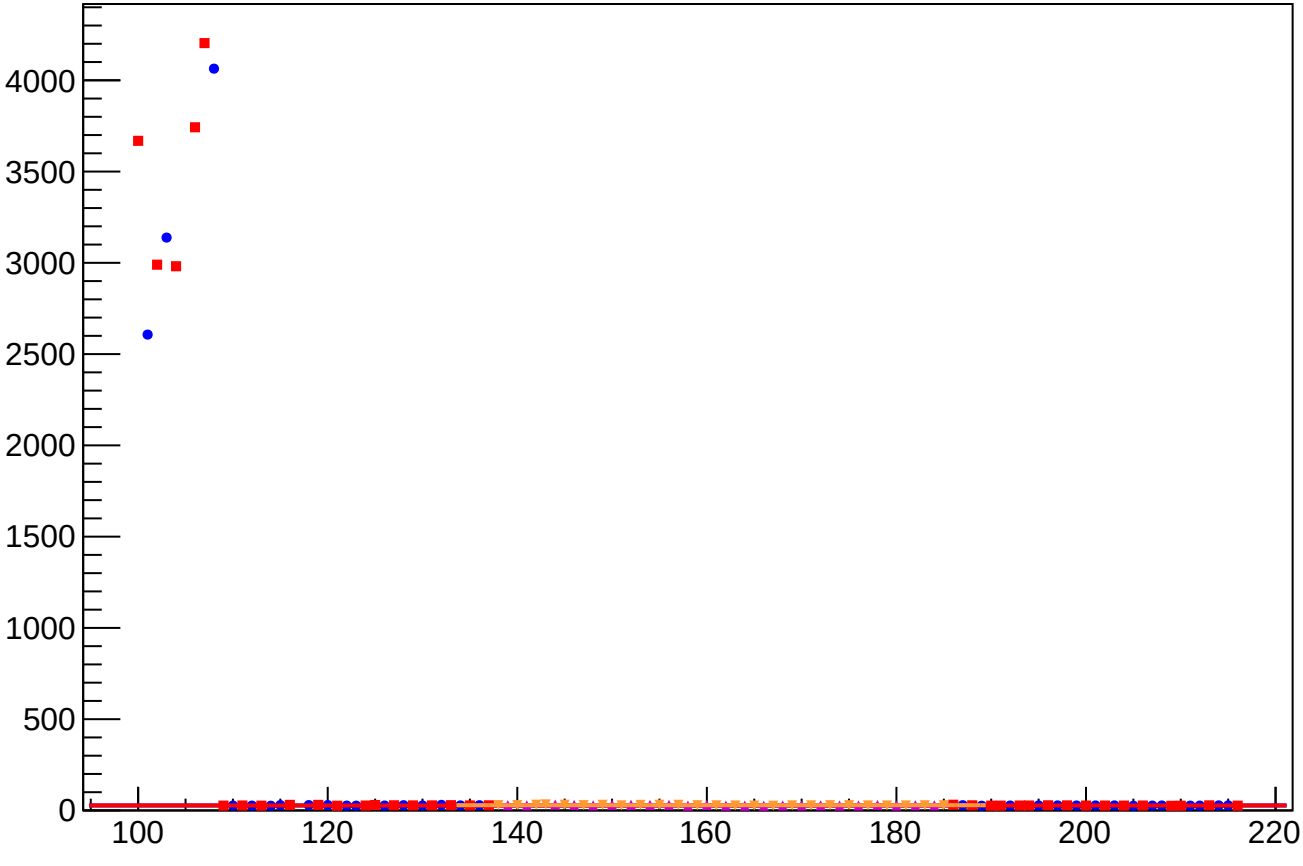
Right: 4.448+/-4.856 χ^2/NDF: 76.1/66

In: 0.558+/-4.876 χ^2/NDF:67.5/54

Out: -4.180+/-4.799 χ^2/NDF:57.5/59

All: -1.849+/-3.420 χ^2/NDF: 125.4/114

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.353+/-0.005 χ^2/NDF: 3051547.0/31

Left Out: 28.813+/-0.005 χ^2/NDF:121973.8/24

Right Out: 27.335+/-0.005 χ^2/NDF: 3519377.7/34

Left In: 28.792+/-0.005 χ^2/NDF:129393.1/22

Left: 28.803+/-0.003 χ^2/NDF: 251375.8/47

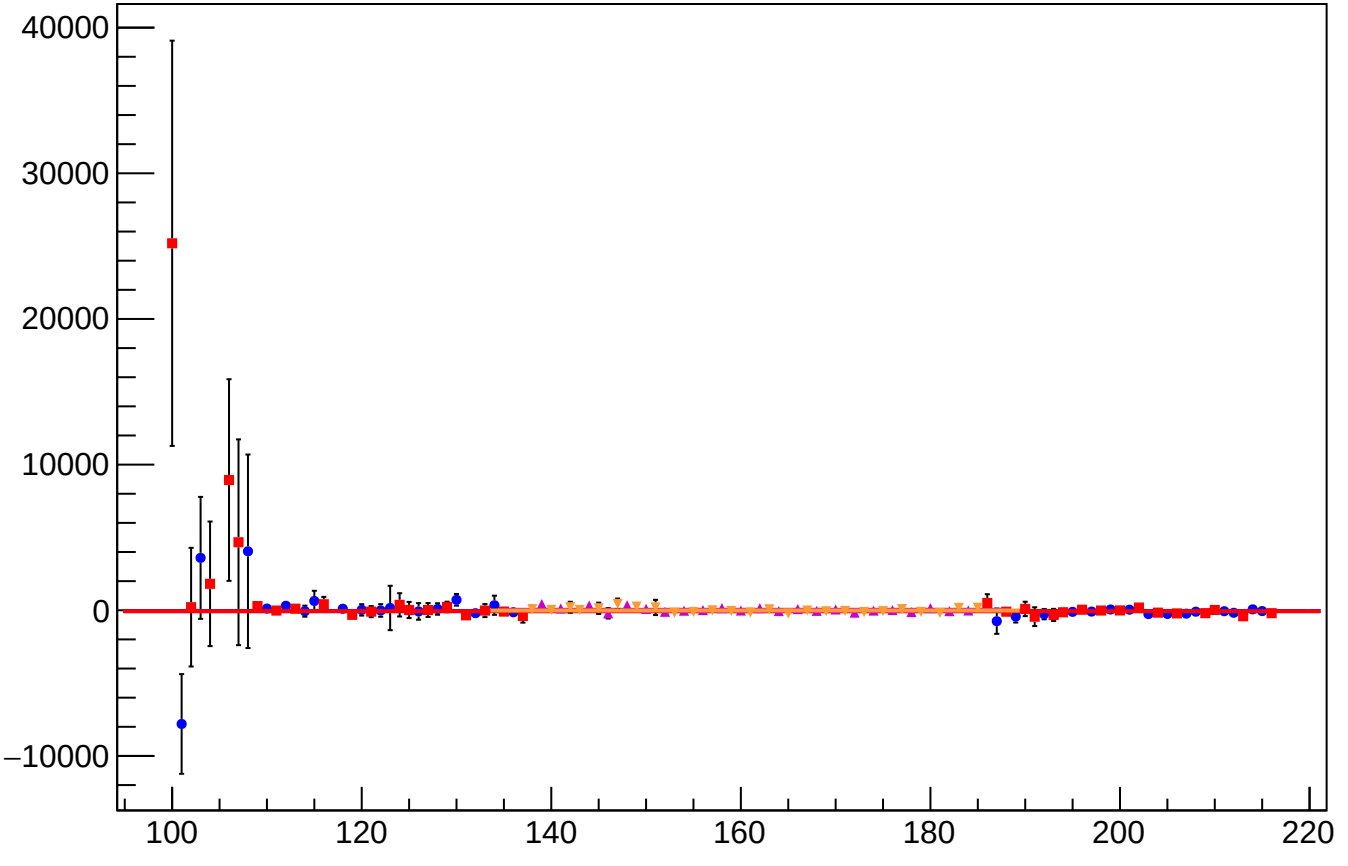
Right: 27.344+/-0.003 χ^2/NDF: 6570931.7/66

In: 28.070+/-0.003 χ^2/NDF:3224494.4/54

Out: 28.088+/-0.003 χ^2/NDF:3688719.1/59

All: 28.079+/-0.002 χ^2/NDF: 6913227.3/114

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -56.652+/-45.110 χ^2/NDF: 22.2/31

Left Out: -15.548+/-48.688 χ^2/NDF:8.0/24

Right Out: -62.277+/-45.567 χ^2/NDF: 21.4/34

Left In: 31.170+/-46.359 χ^2/NDF:8.2/22

Left: 8.955+/-33.574 χ^2/NDF: 16.6/47

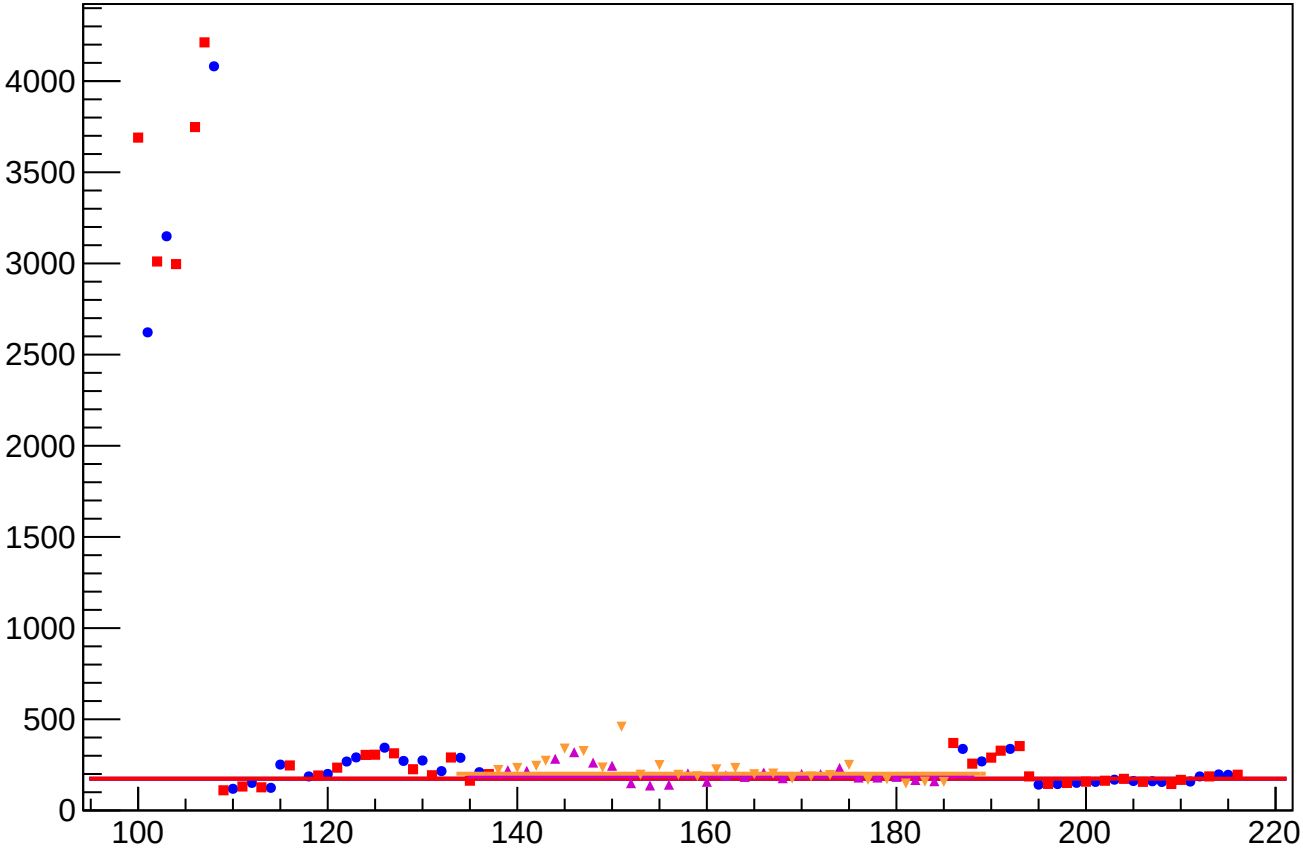
Right: -59.436+/-32.058 χ^2/NDF: 43.7/66

In: -13.940+/-32.330 χ^2/NDF:32.2/54

Out: -40.458+/-33.269 χ^2/NDF:29.9/59

All: -26.820+/-23.186 χ^2/NDF: 62.5/114

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.952+/-0.032 χ^2/NDF: 4543761.2/31

Left Out: 201.600+/-0.034 χ^2/NDF:1857453.2/24

Right Out: 174.414+/-0.032 χ^2/NDF: 5377105.0/34

Left In: 186.107+/-0.033 χ^2/NDF:1391327.2/22

Left: 193.474+/-0.024 χ^2/NDF: 3354998.7/47

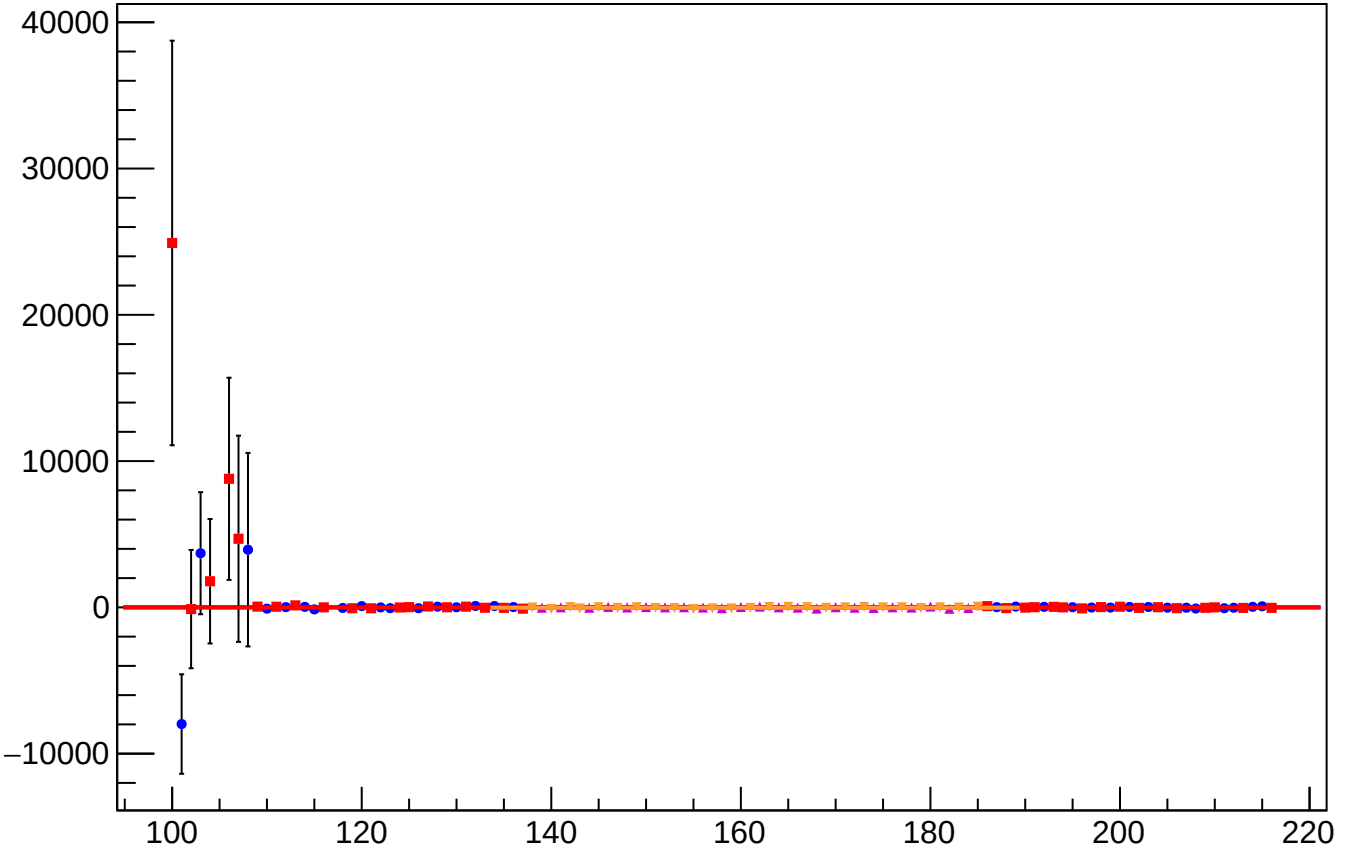
Right: 174.181+/-0.023 χ^2/NDF: 9920970.4/66

In: 179.863+/-0.023 χ^2/NDF:6005714.8/54

Out: 187.108+/-0.024 χ^2/NDF:7566957.2/59

All: 183.382+/-0.016 χ^2/NDF: 13621447.8/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.805+/-8.395 χ^2/NDF: 35.0/31

Left Out: -23.360+/-8.064 χ^2/NDF:25.8/24

Right Out: -3.835+/-8.362 χ^2/NDF: 36.3/34

Left In: -6.001+/-8.309 χ^2/NDF:21.1/22

Left: -14.939+/-5.787 χ^2/NDF: 49.2/47

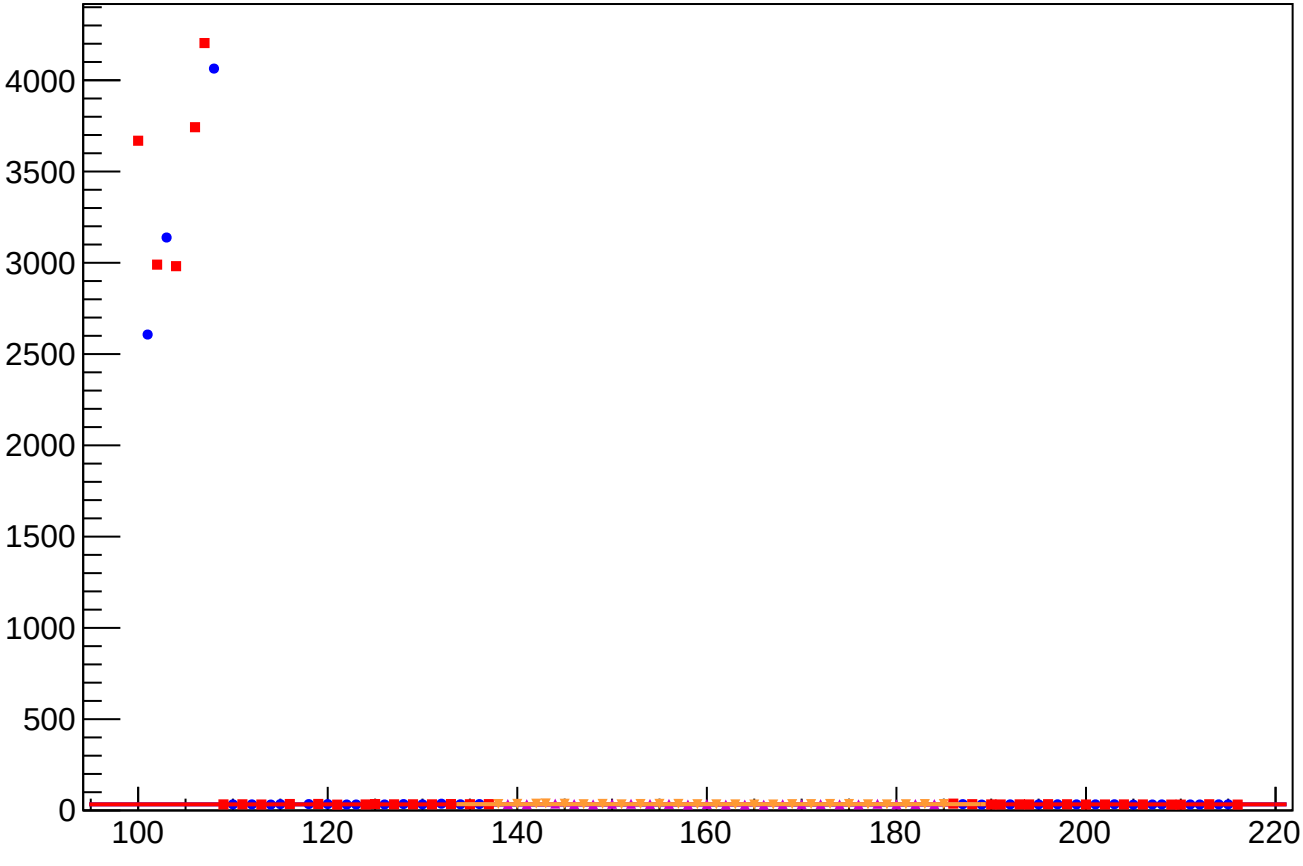
Right: -0.030+/-5.925 χ^2/NDF: 71.8/66

In: -1.149+/-5.906 χ^2/NDF:56.8/54

Out: -13.951+/-5.805 χ^2/NDF:65.0/59

All: -7.660+/-4.140 χ^2/NDF: 124.2/114

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.394+/-0.006 χ^2/NDF: 3020528.1/31

Left Out: 34.614+/-0.006 χ^2/NDF:57946.1/24

Right Out: 33.404+/-0.006 χ^2/NDF: 3476626.2/34

Left In: 34.685+/-0.006 χ^2/NDF:60315.2/22

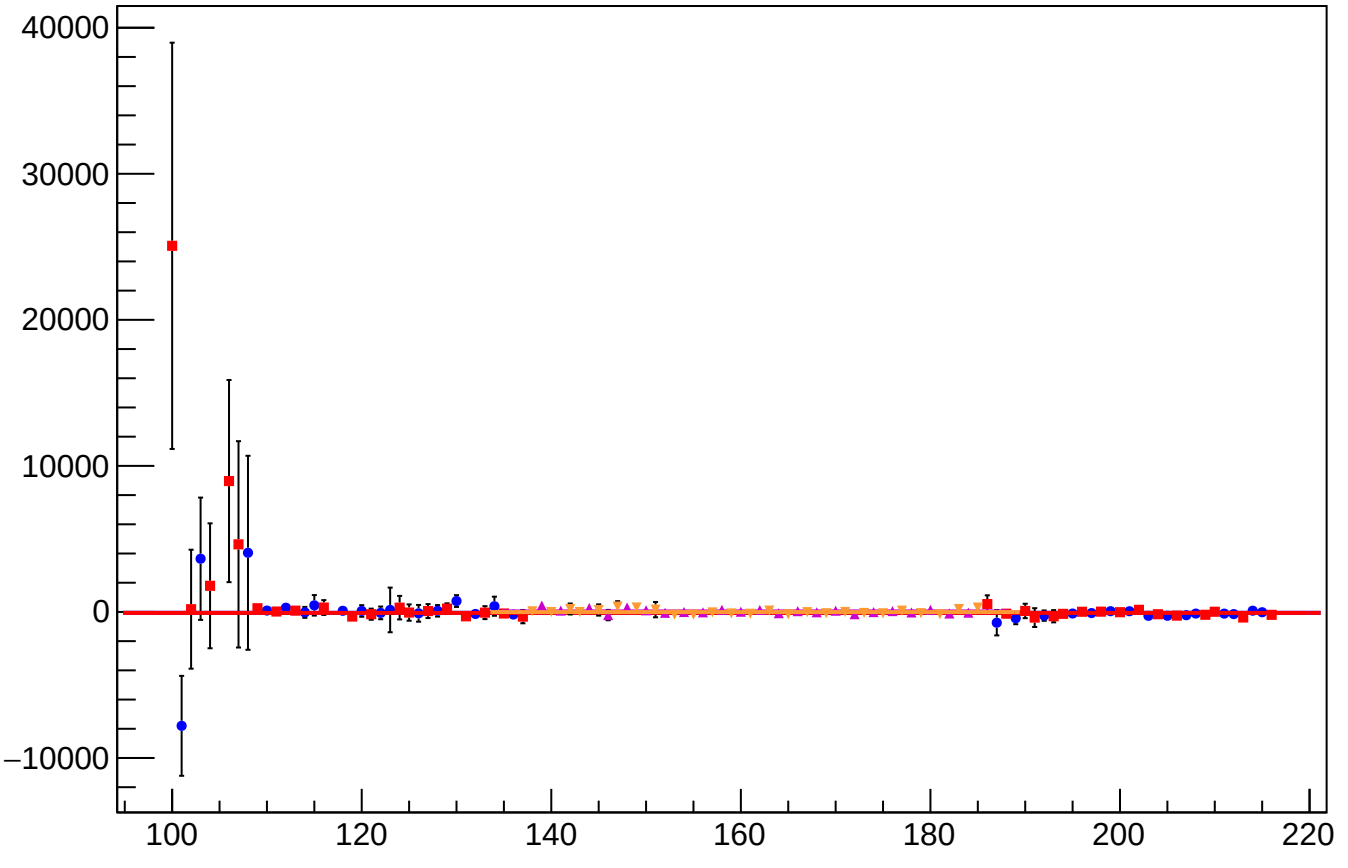
Left: 34.649+/-0.004 χ^2/NDF: 118335.7/47

Right: 33.399+/-0.004 χ^2/NDF: 6497155.7/66

In: 34.046+/-0.004 χ^2/NDF:3104752.4/54

Out: 34.031+/-0.004 χ^2/NDF:3556298.8/59

All: 34.038+/-0.003 χ^2/NDF: 6661057.8/114



Right In: -59.487+/-44.983 χ^2/NDF: 22.0/31

Left Out: -8.916+/-48.615 χ^2/NDF:8.6/24

Right Out: -66.153+/-45.402 χ^2/NDF: 19.7/34

Left In: 34.127+/-46.296 χ^2/NDF:7.4/22

Left: 13.656+/-33.526 χ^2/NDF: 16.5/47

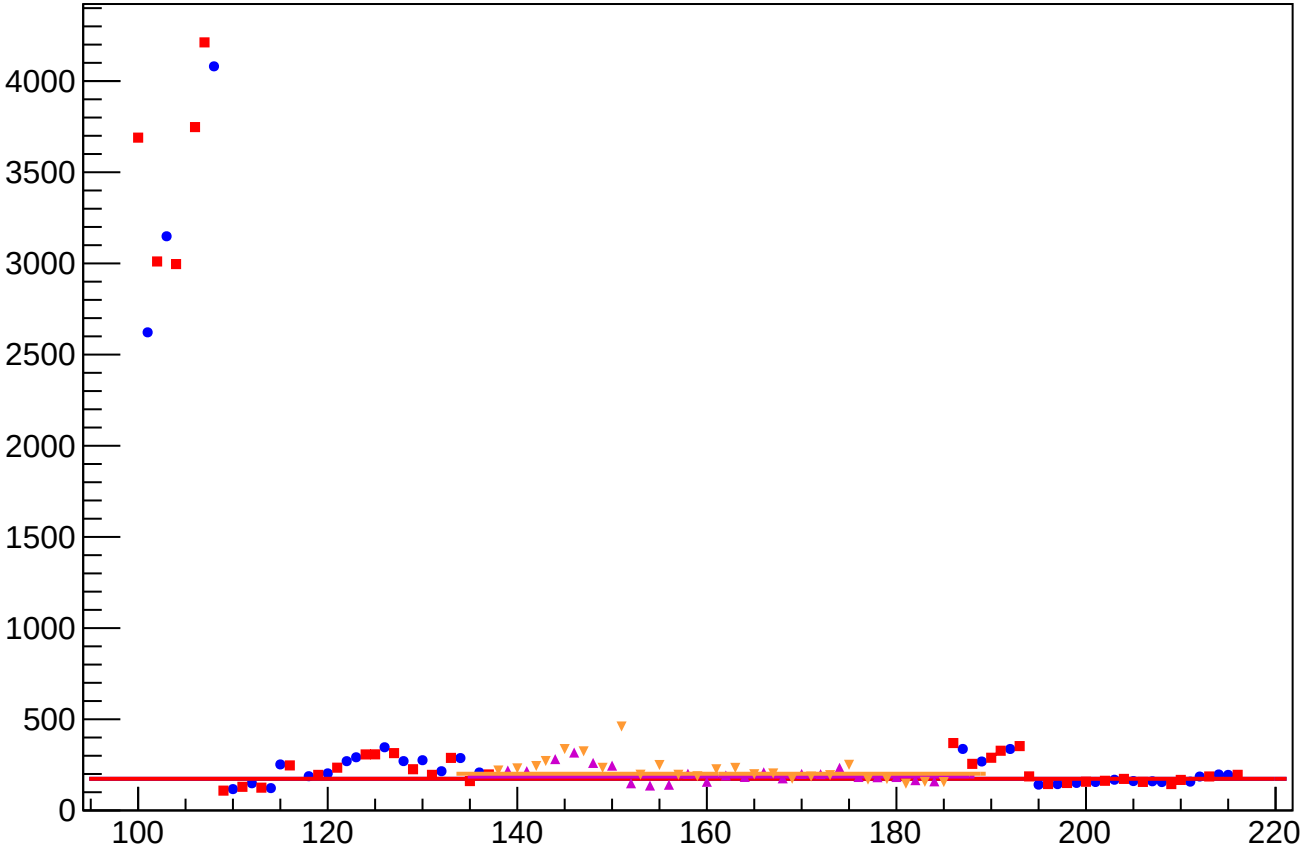
Right: -62.789+/-31.955 χ^2/NDF: 41.7/66

In: -14.026+/-32.262 χ^2/NDF:31.5/54

Out: -39.488+/-33.182 χ^2/NDF:29.1/59

All: -26.399+/-23.131 χ^2/NDF: 60.9/114

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.385+/-0.032 χ^2/NDF: 4574041.8/31

Left Out: 201.296+/-0.034 χ^2/NDF:1851134.1/24

Right Out: 173.635+/-0.032 χ^2/NDF: 5425722.2/34

Left In: 185.854+/-0.033 χ^2/NDF:1381771.9/22

Left: 193.198+/-0.024 χ^2/NDF: 3338733.9/47

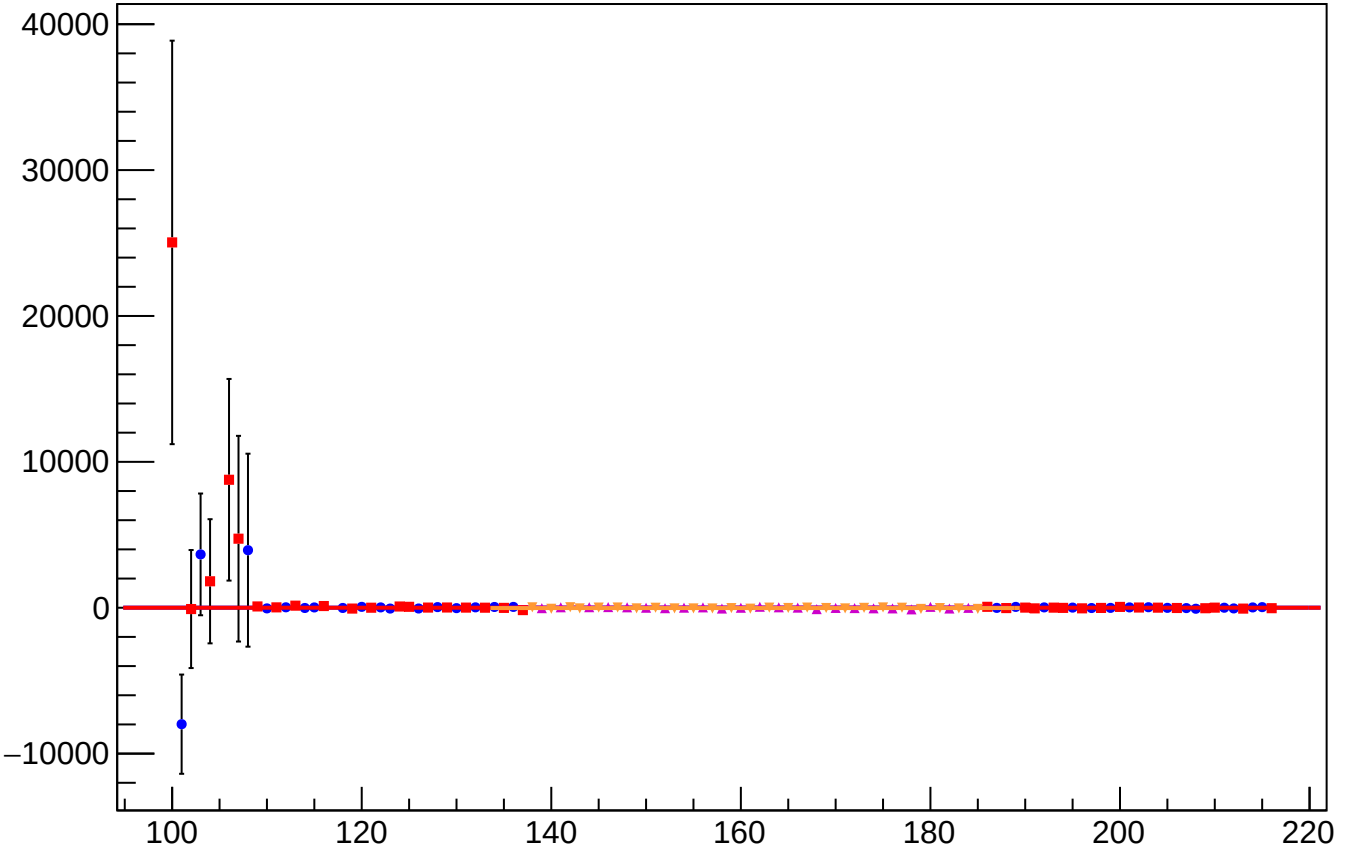
Right: 173.509+/-0.023 χ^2/NDF: 9999794.5/66

In: 179.440+/-0.023 χ^2/NDF:6030435.2/54

Out: 186.521+/-0.023 χ^2/NDF:7622710.7/59

All: 182.881+/-0.016 χ^2/NDF: 13699968.0/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.675+/-7.597 χ^2/NDF: 26.5/31

Left Out: -22.879+/-7.340 χ^2/NDF:18.8/24

Right Out: 0.465+/-7.566 χ^2/NDF: 42.7/34

Left In: -5.943+/-7.550 χ^2/NDF:38.3/22

Left: -14.649+/-5.263 χ^2/NDF: 59.7/47

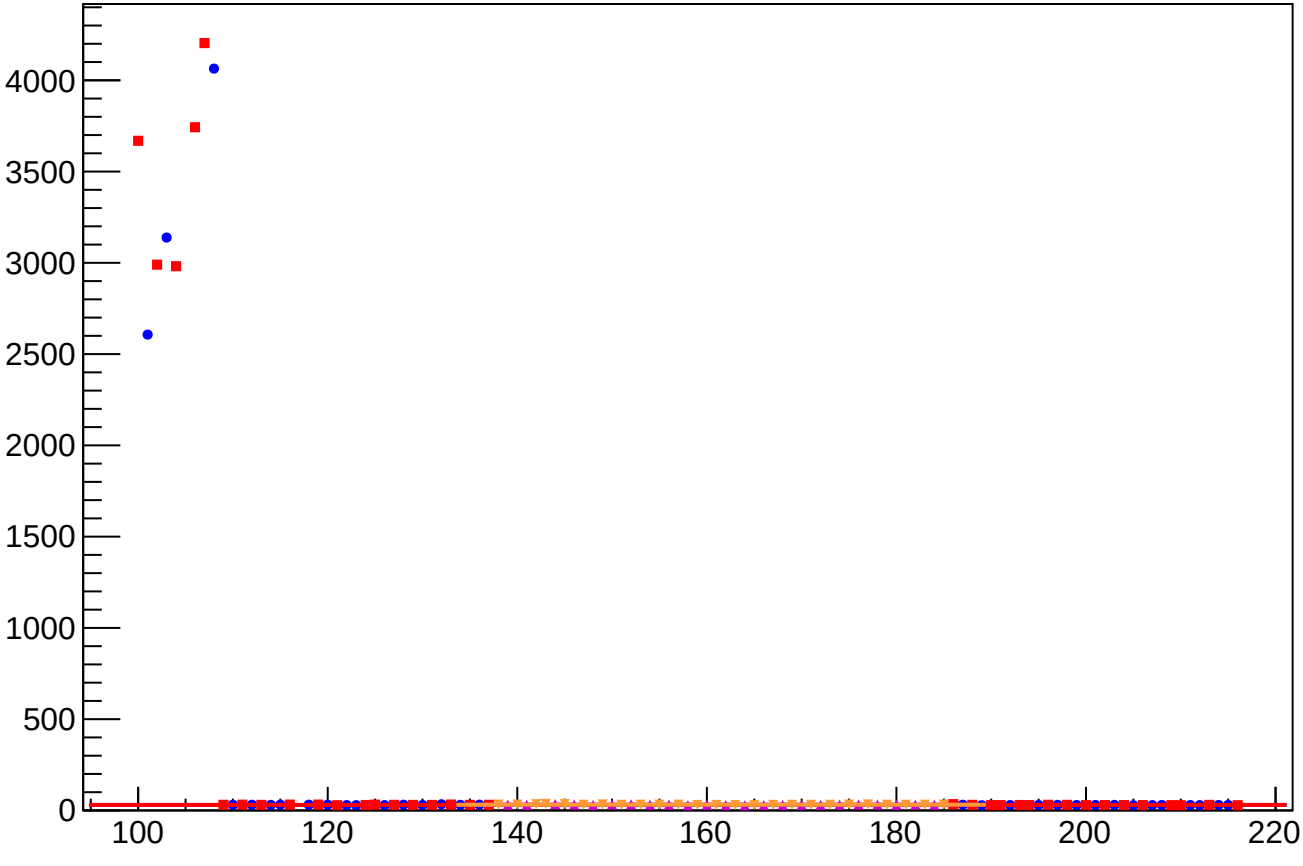
Right: 2.561+/-5.361 χ^2/NDF: 69.4/66

In: -0.668+/-5.355 χ^2/NDF:65.8/54

Out: -11.560+/-5.268 χ^2/NDF:66.4/59

All: -6.203+/-3.756 χ^2/NDF: 134.3/114

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.208+/-0.005 χ^2/NDF: 3038376.5/31

Left Out: 31.482+/-0.005 χ^2/NDF:82437.2/24

Right Out: 30.197+/-0.005 χ^2/NDF: 3495768.1/34

Left In: 31.484+/-0.005 χ^2/NDF:87981.1/22

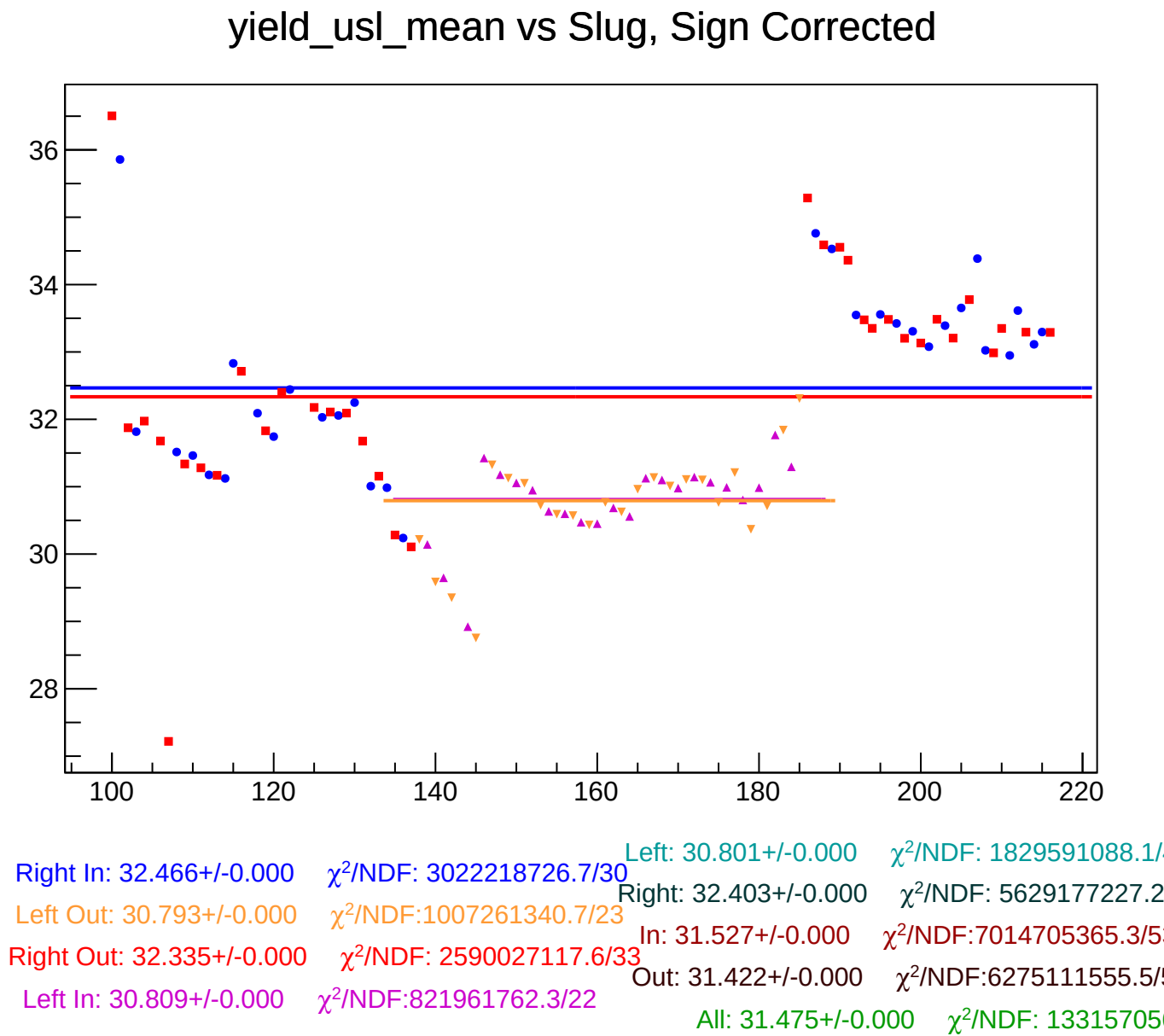
Left: 31.483+/-0.004 χ^2/NDF: 170418.5/47

Right: 30.203+/-0.004 χ^2/NDF: 6534146.6/66

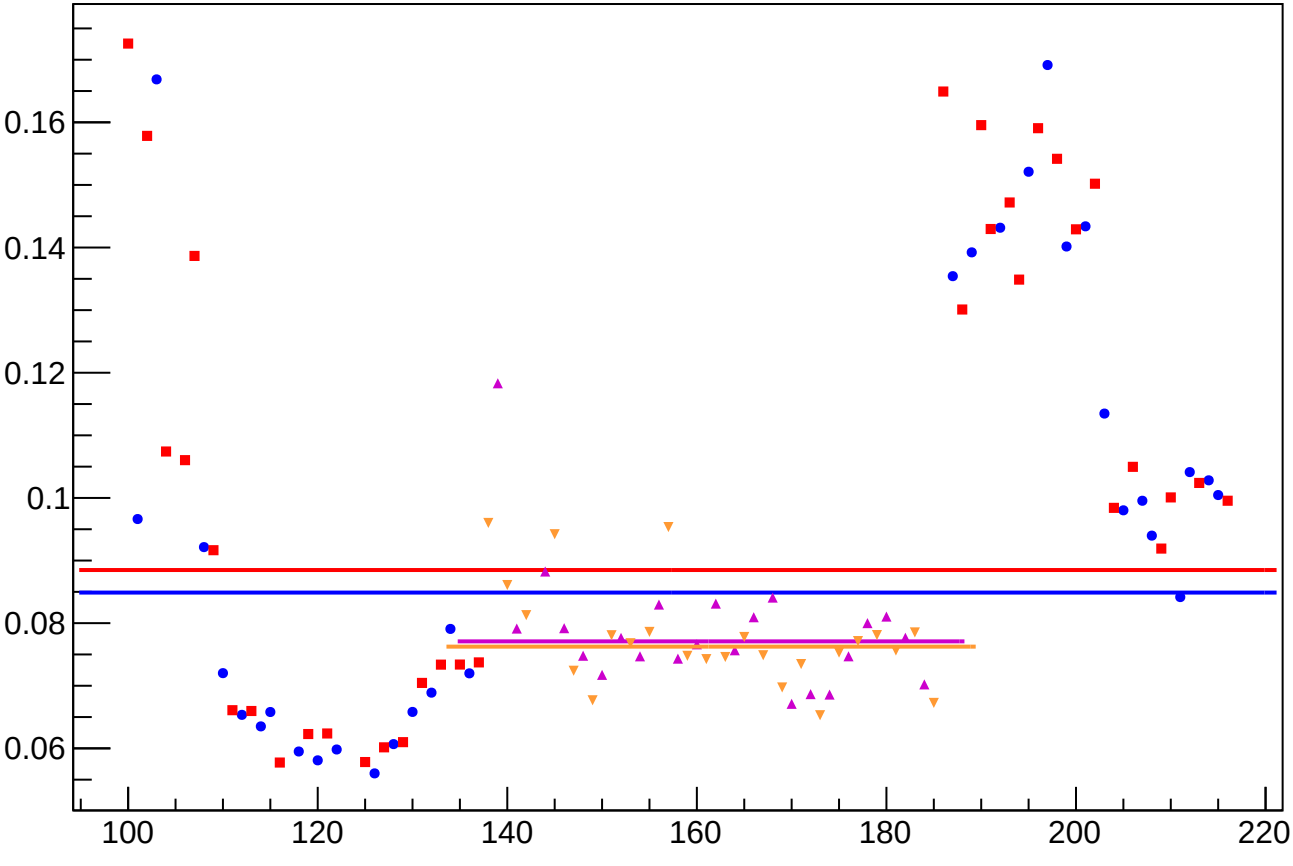
In: 30.850+/-0.004 χ^2/NDF:3154765.9/54

Out: 30.859+/-0.004 χ^2/NDF:3607894.5/59

All: 30.855+/-0.003 χ^2/NDF: 6762663.1/114


yield_usl_mean vs Slug, Sign Corrected
36
34
32
30
28
100
120
140
160
180
200
220
Right In: 32.466+/-0.000 χ²/NDF: 3022218726.7/30
Left Out: 30.793+/-0.000 χ²/NDF:1007261340.7/23
Right Out: 32.335+/-0.000 χ²/NDF: 2590027117.6/33
Left In: 30.809+/-0.000 χ²/NDF:821961762.3/22
Left: 30.801+/-0.000 χ²/NDF: 1829591088.1/46
Right: 32.403+/-0.000 χ²/NDF: 5629177227.2/64
In: 31.527+/-0.000 χ²/NDF:7014705365.3/53
Out: 31.422+/-0.000 χ²/NDF:6275111555.5/57
All: 31.475+/-0.000 χ²/NDF: 13315705650.2

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.085+/-0.000 χ^2/NDF: 3274365.1/30

Left Out: 0.076+/-0.000 χ^2/NDF:277876.5/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3676402.8/33

Left In: 0.077+/-0.000 χ^2/NDF:325844.3/22

Left: 0.077+/-0.000 χ^2/NDF: 605642.6/46

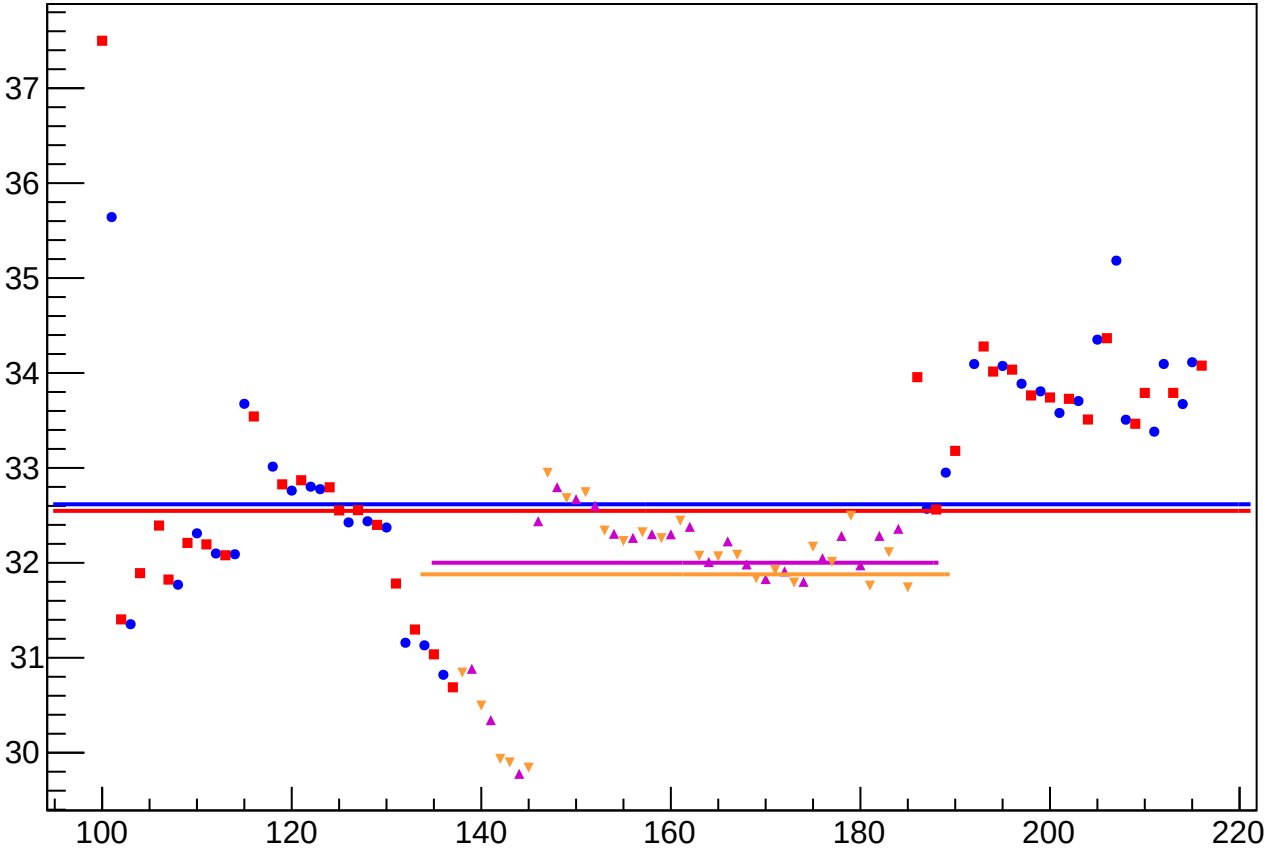
Right: 0.087+/-0.000 χ^2/NDF: 6976283.8/64

In: 0.080+/-0.000 χ^2/NDF:3740524.5/53

Out: 0.081+/-0.000 χ^2/NDF:4291493.9/57

All: 0.081+/-0.000 χ^2/NDF: 8034822.3/111

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.617+/-0.000 χ^2/NDF: 1645675448.5/31

Left Out: 31.879+/-0.000 χ^2/NDF:1976281391.1/24

Right Out: 32.548+/-0.000 χ^2/NDF: 988210465.5/33

Left In: 32.001+/-0.000 χ^2/NDF:1411110671.9/22

Left: 31.939+/-0.000 χ^2/NDF: 3408370857.8/47

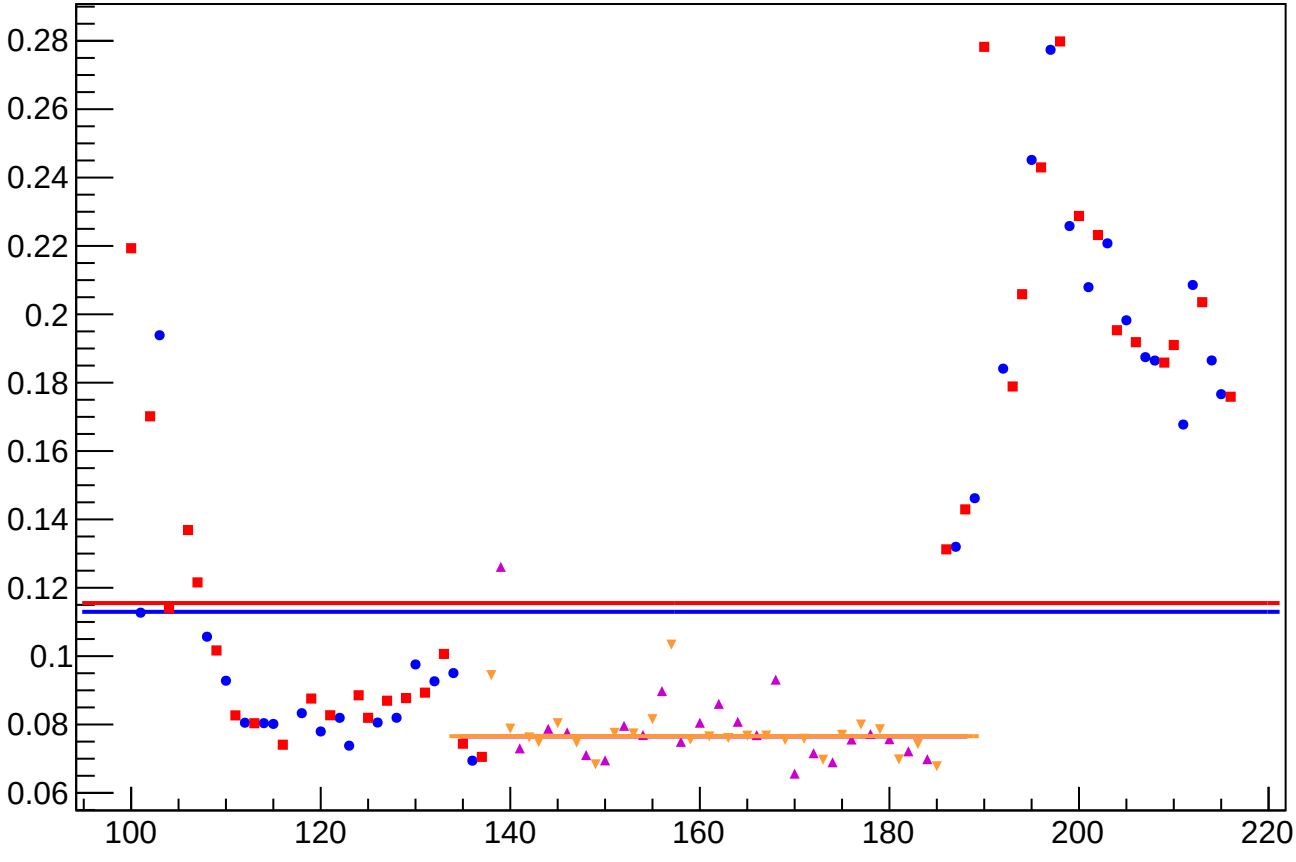
Right: 32.583+/-0.000 χ^2/NDF: 2636392540.0/65

In: 32.171+/-0.000 χ^2/NDF:3344481299.2/54

Out: 32.056+/-0.000 χ^2/NDF:3304176502.4/58

All: 32.113+/-0.000 χ^2/NDF: 6674407594.3/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.113+/-0.000 χ^2/NDF: 5616246.2/31

Left Out: 0.077+/-0.000 χ^2/NDF:209648.5/24

Right Out: 0.116+/-0.000 χ^2/NDF: 5229916.6/33

Left In: 0.076+/-0.000 χ^2/NDF:432563.3/22

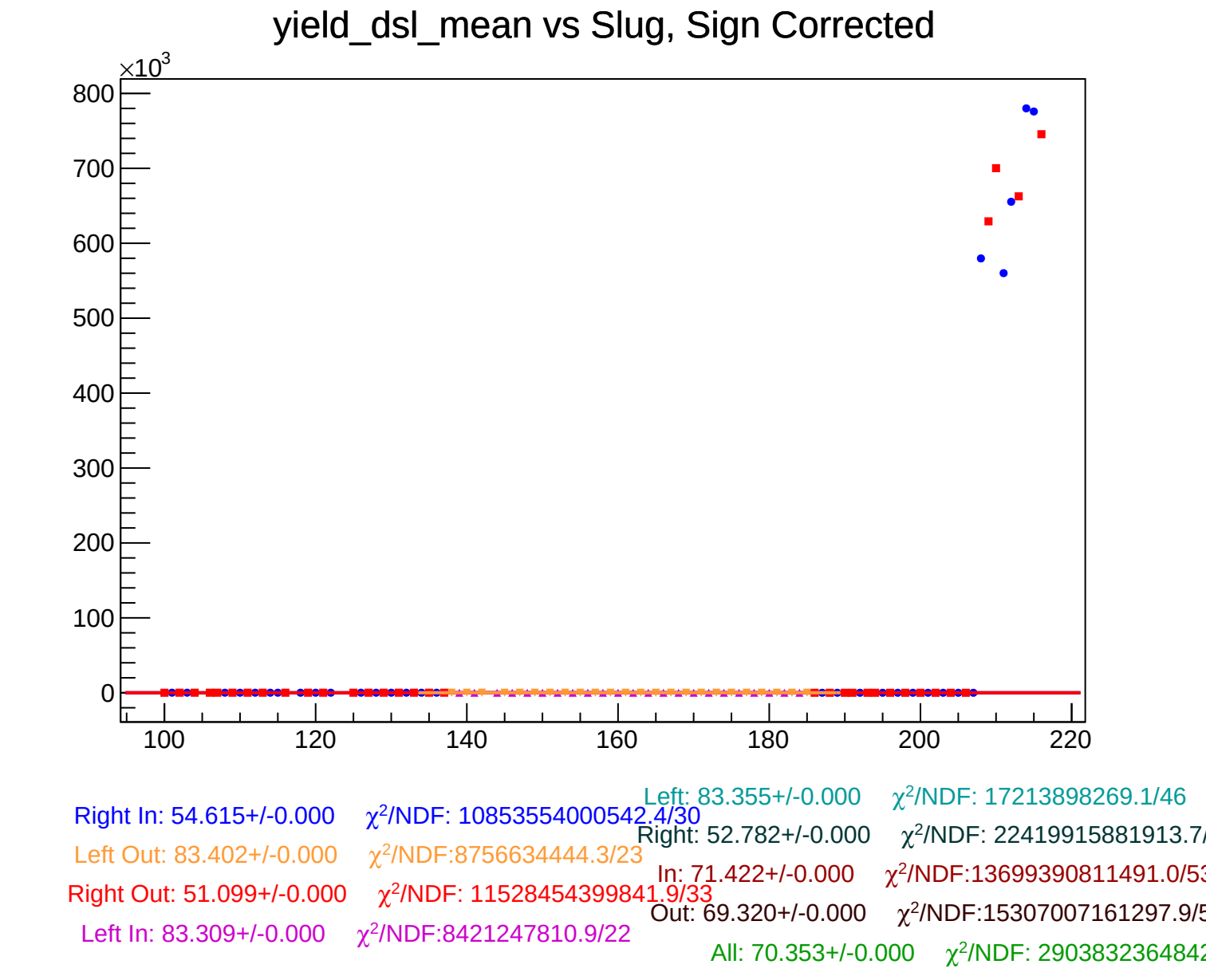
Left: 0.077+/-0.000 χ^2/NDF: 642235.6/47

Right: 0.114+/-0.000 χ^2/NDF: 10853060.4/65

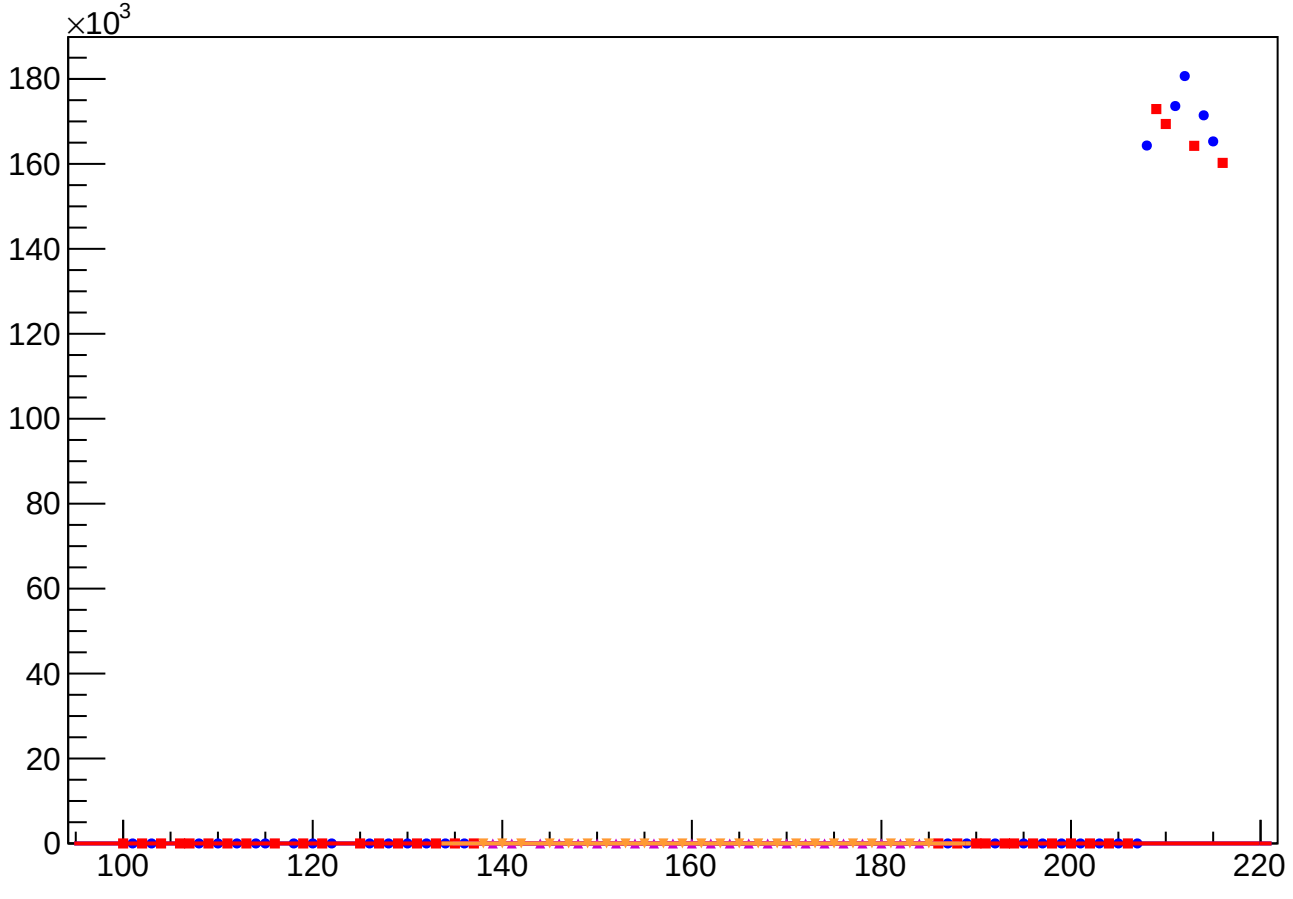
In: 0.087+/-0.000 χ^2/NDF:8067454.6/54

Out: 0.087+/-0.000 χ^2/NDF:7746281.1/58

All: 0.087+/-0.000 χ^2/NDF: 15814106.3/113


yield_dsl_mean vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
0
100
120
140
160
180
200
220
Right In: 54.615+/-0.000 χ²/NDF: 10853554000542.4/30
Left Out: 83.402+/-0.000 χ²/NDF:8756634444.3/23
Right Out: 51.099+/-0.000 χ²/NDF: 11528454399841.9/33
Left In: 83.309+/-0.000 χ²/NDF:8421247810.9/22
Left: 83.355+/-0.000 χ²/NDF: 17213898269.1/46
Right: 52.782+/-0.000 χ²/NDF: 22419915881913.7/
In: 71.422+/-0.000 χ²/NDF:13699390811491.0/53
Out: 69.320+/-0.000 χ²/NDF:15307007161297.9/5
All: 70.353+/-0.000 χ²/NDF: 2903832364842

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 7420716.1/30

Left Out: 0.045+/-0.000 χ^2/NDF:206685.9/23

Right Out: 0.047+/-0.000 χ^2/NDF: 6224148.0/33

Left In: 0.045+/-0.000 χ^2/NDF:242885.4/22

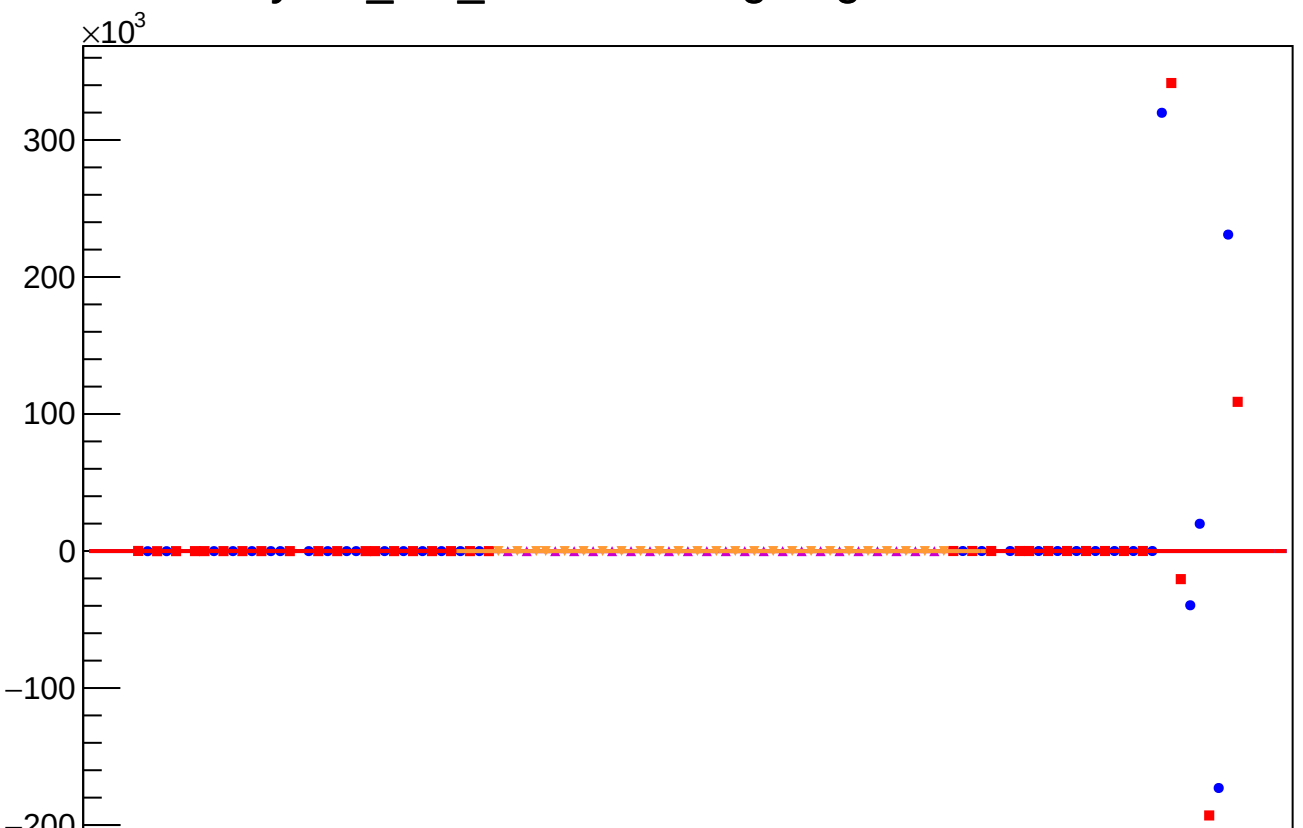
Left: 0.045+/-0.000 χ^2/NDF: 450258.5/46

Right: 0.047+/-0.000 χ^2/NDF: 13644867.9/64

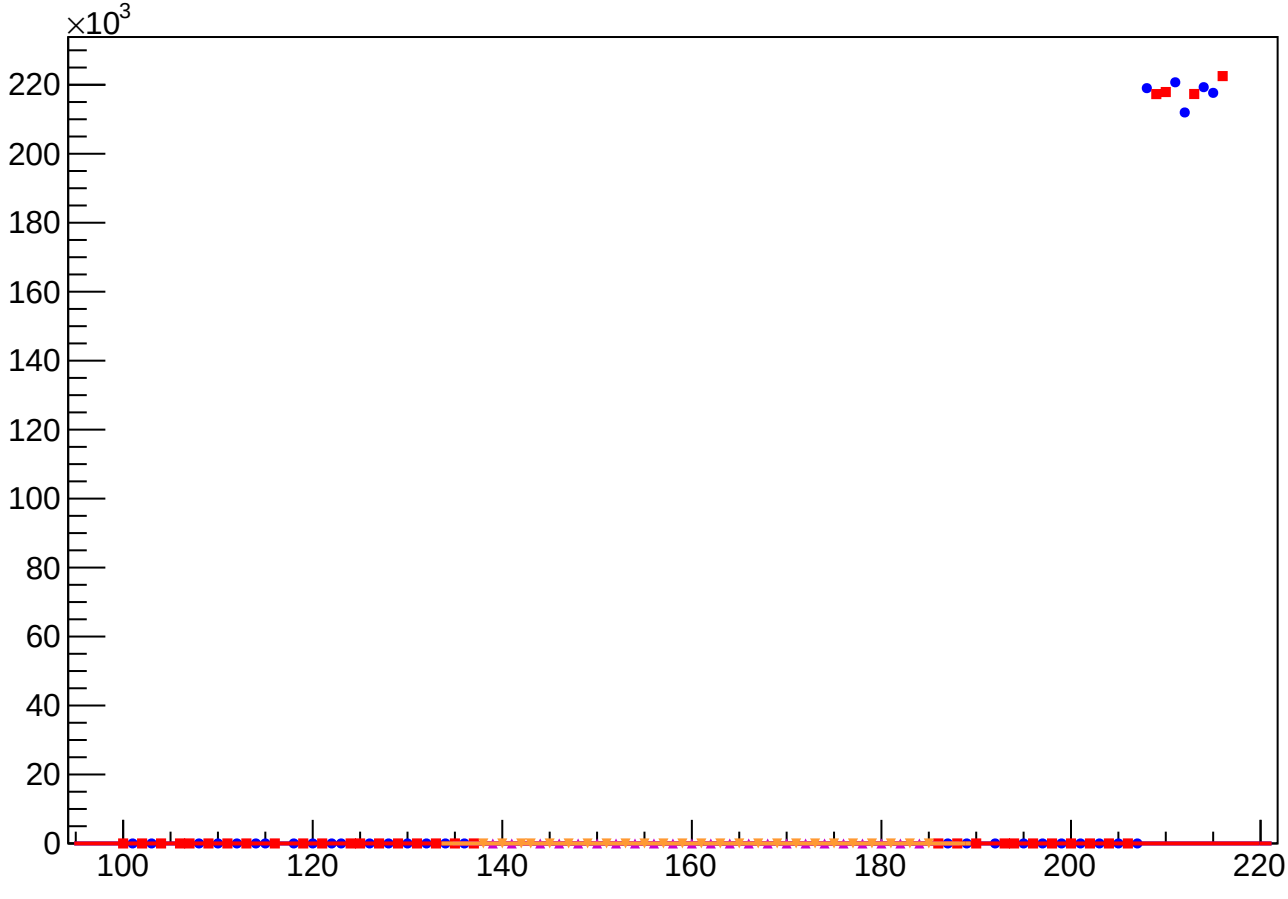
In: 0.046+/-0.000 χ^2/NDF:7690030.9/53

Out: 0.046+/-0.000 χ^2/NDF:6450400.4/57

All: 0.046+/-0.000 χ^2/NDF: 14140974.3/111


yield_dsr_mean vs Slug, Sign Corrected
×10^3
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: -30.026+/-0.000 χ²/NDF: 7479129971869.0/31
Left Out: -69.461+/-0.000 χ²/NDF:49572401.9/24
Right Out: -28.760+/-0.000 χ²/NDF: 7325682130884.0/33
Left In: -69.458+/-0.000 χ²/NDF:52798704.3/22
Left: -69.460+/-0.000 χ²/NDF: 102399164.0/47
Right: -29.369+/-0.000 χ²/NDF: 14808901509534.2
In: -50.762+/-0.000 χ²/NDF:11497071565897.3/5
Out: -50.075+/-0.000 χ²/NDF:11926091422442.9/
All: -50.406+/-0.000 χ²/NDF: 234256953182

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 7190612.7/31

Left Out: 0.055+/-0.000 χ^2/NDF:38761.8/24

Right Out: 0.052+/-0.000 χ^2/NDF: 5875023.2/33

Left In: 0.056+/-0.000 χ^2/NDF:52190.5/22

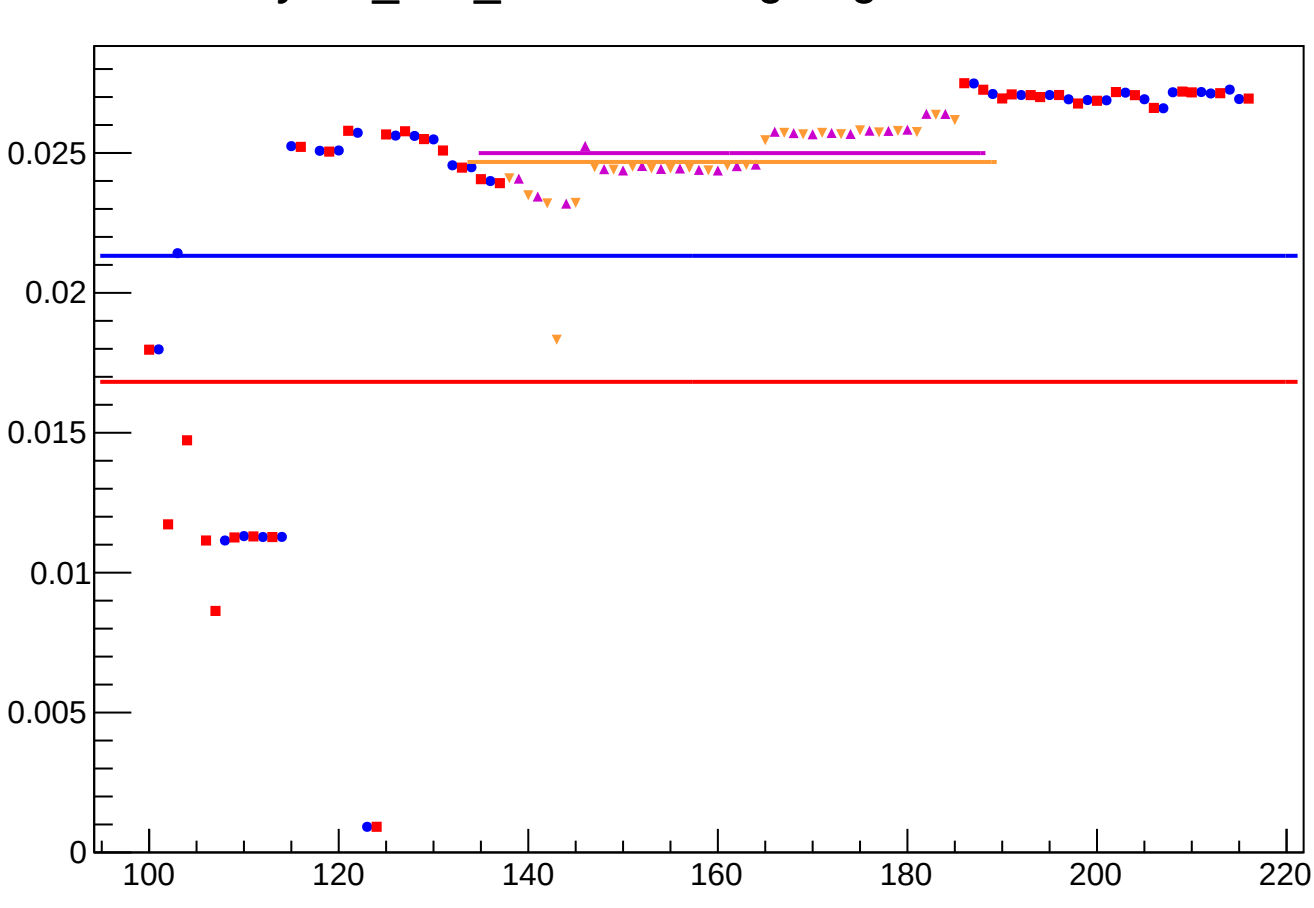
Left: 0.055+/-0.000 χ^2/NDF: 91784.6/47

Right: 0.052+/-0.000 χ^2/NDF: 13065683.8/65

In: 0.054+/-0.000 χ^2/NDF:7304664.1/54

Out: 0.054+/-0.000 χ^2/NDF:5969677.0/58

All: 0.054+/-0.000 χ^2/NDF: 13275038.7/113



Right In: 0.021+/-0.000 χ^2/NDF: 201047898958.3/31

Left Out: 0.025+/-0.000 χ^2/NDF:9641065555.8/24

Right Out: 0.017+/-0.000 χ^2/NDF: 441546977794.5/34

Left In: 0.025+/-0.000 χ^2/NDF:2462473687.7/22

Left: 0.025+/-0.000 χ^2/NDF: 12284812437.7/47

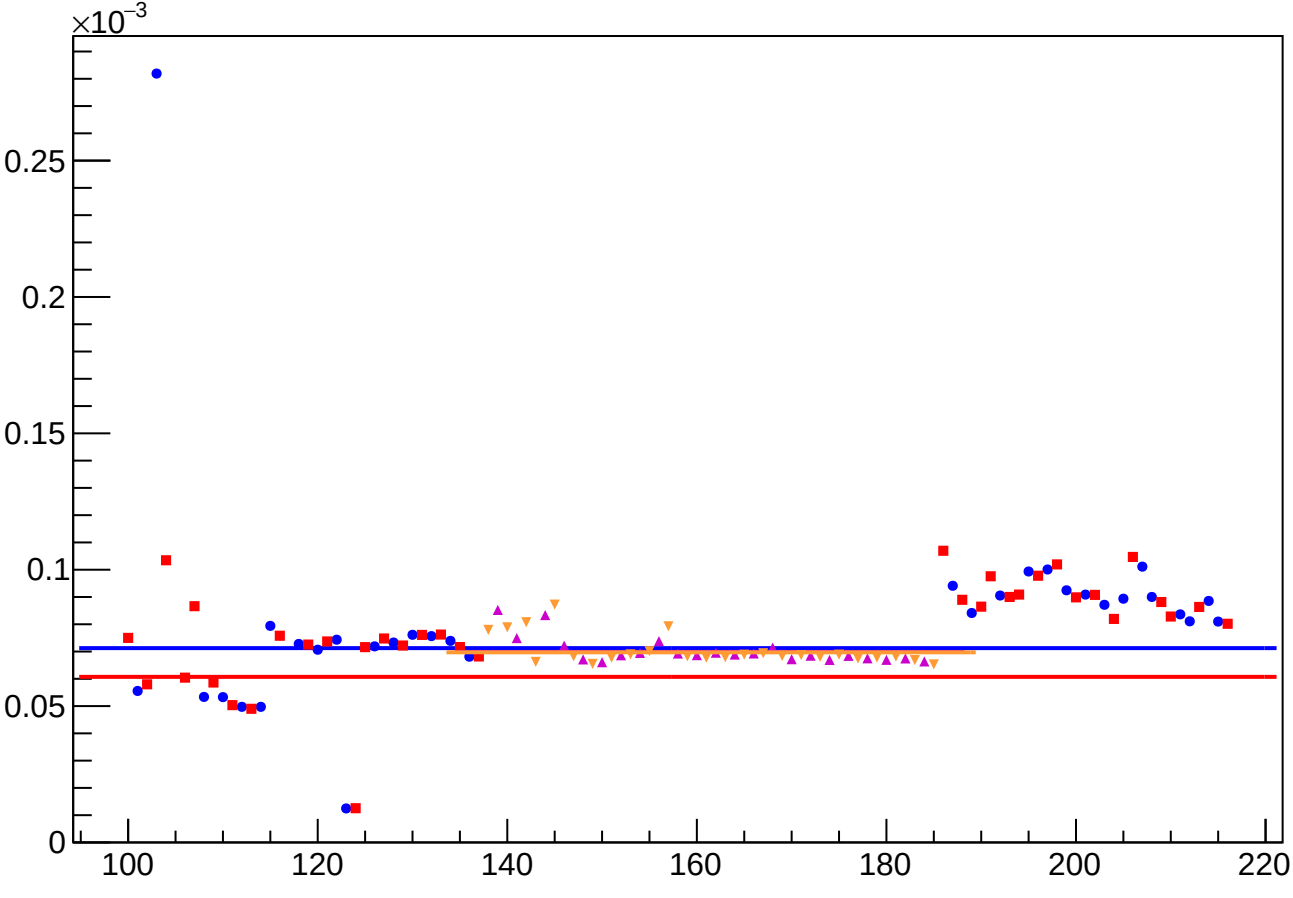
Right: 0.019+/-0.000 χ^2/NDF: 675988689720.3/66

In: 0.023+/-0.000 χ^2/NDF:225237495909.2/54

Out: 0.021+/-0.000 χ^2/NDF:565510726519.9/59

All: 0.022+/-0.000 χ^2/NDF: 813202940880.1

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3644790.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7183864.7/34

Left In: 0.000+/-0.000 χ^2/NDF:129289.8/22

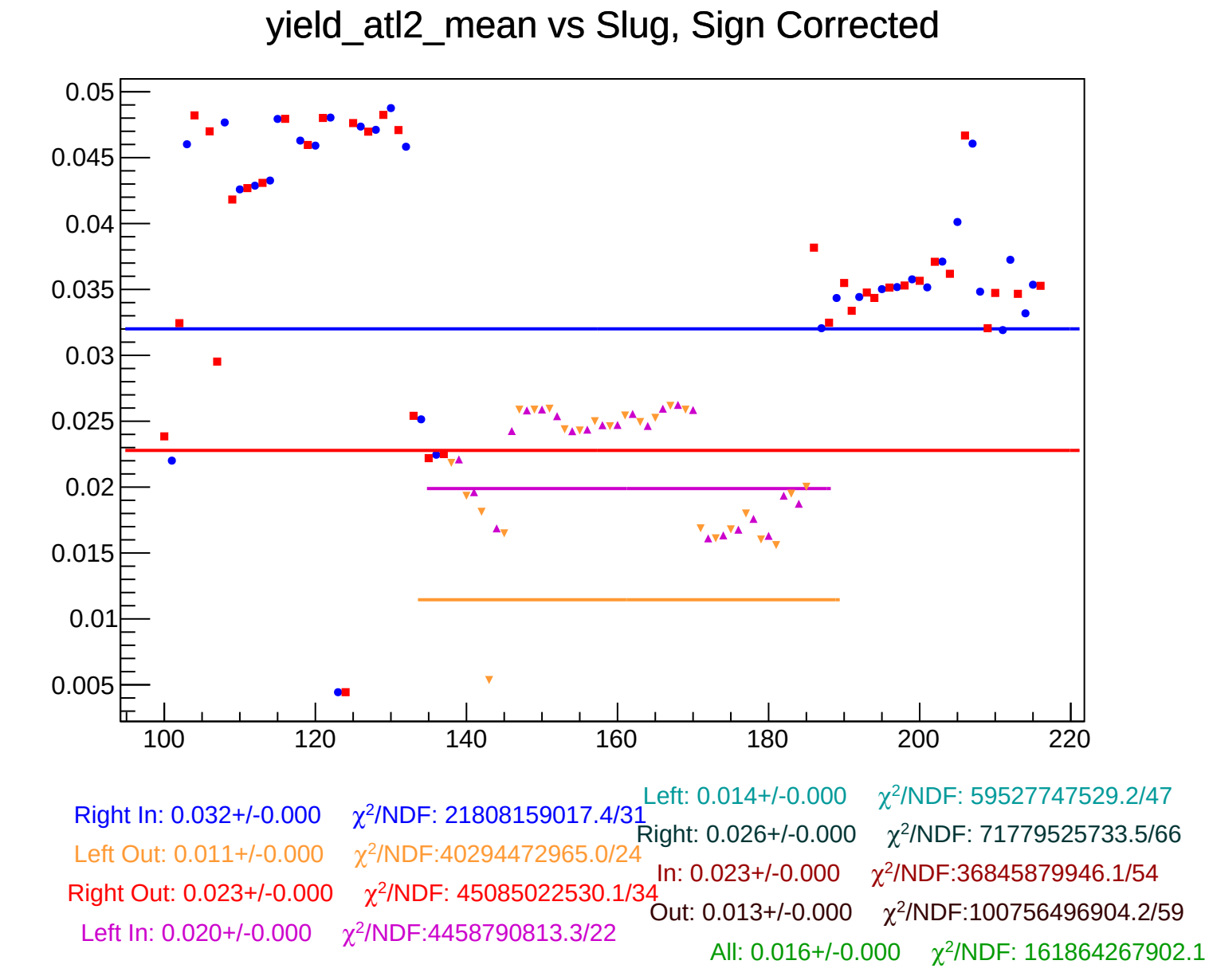
Left: 0.000+/-0.000 χ^2/NDF: 287487.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11194041.6/66

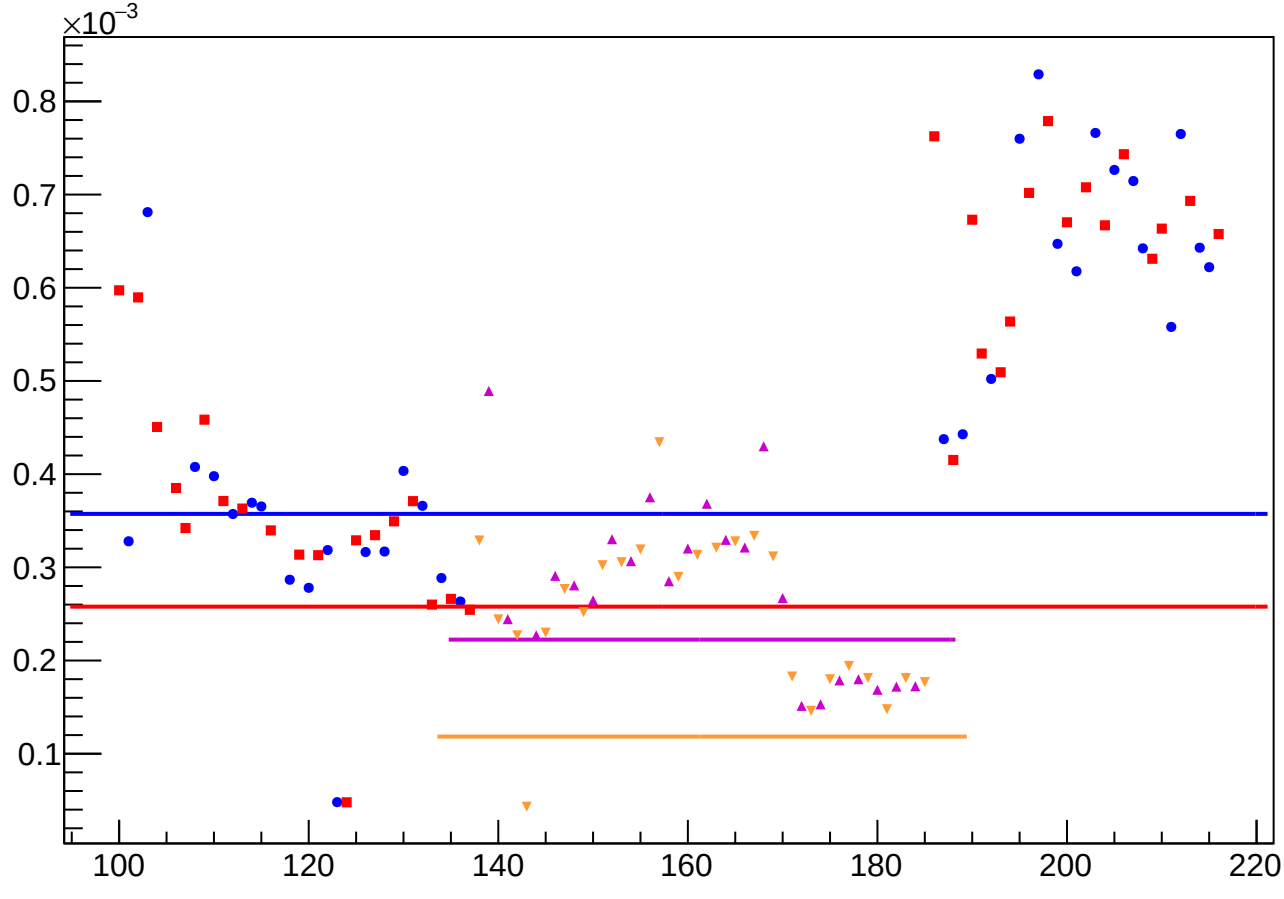
In: 0.000+/-0.000 χ^2/NDF:3780355.4/54

Out: 0.000+/-0.000 χ^2/NDF:7641782.0/59

All: 0.000+/-0.000 χ^2/NDF: 11613585.9/114


yield_atl2_mean vs Slug, Sign Corrected
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.032+/-0.000 χ²/NDF: 21808159017.4/31
Left Out: 0.011+/-0.000 χ²/NDF:40294472965.0/24
Right Out: 0.023+/-0.000 χ²/NDF: 45085022530.1/34
Left In: 0.020+/-0.000 χ²/NDF:4458790813.3/22
Left: 0.014+/-0.000 χ²/NDF: 59527747529.2/47
Right: 0.026+/-0.000 χ²/NDF: 71779525733.5/66
In: 0.023+/-0.000 χ²/NDF:36845879946.1/54
Out: 0.013+/-0.000 χ²/NDF:100756496904.2/59
All: 0.016+/-0.000 χ²/NDF: 161864267902.1

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7833674.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13976786.4/34

Left In: 0.000+/-0.000 χ^2/NDF:3281119.0/22

Left: 0.000+/-0.000 χ^2/NDF: 21336583.8/47

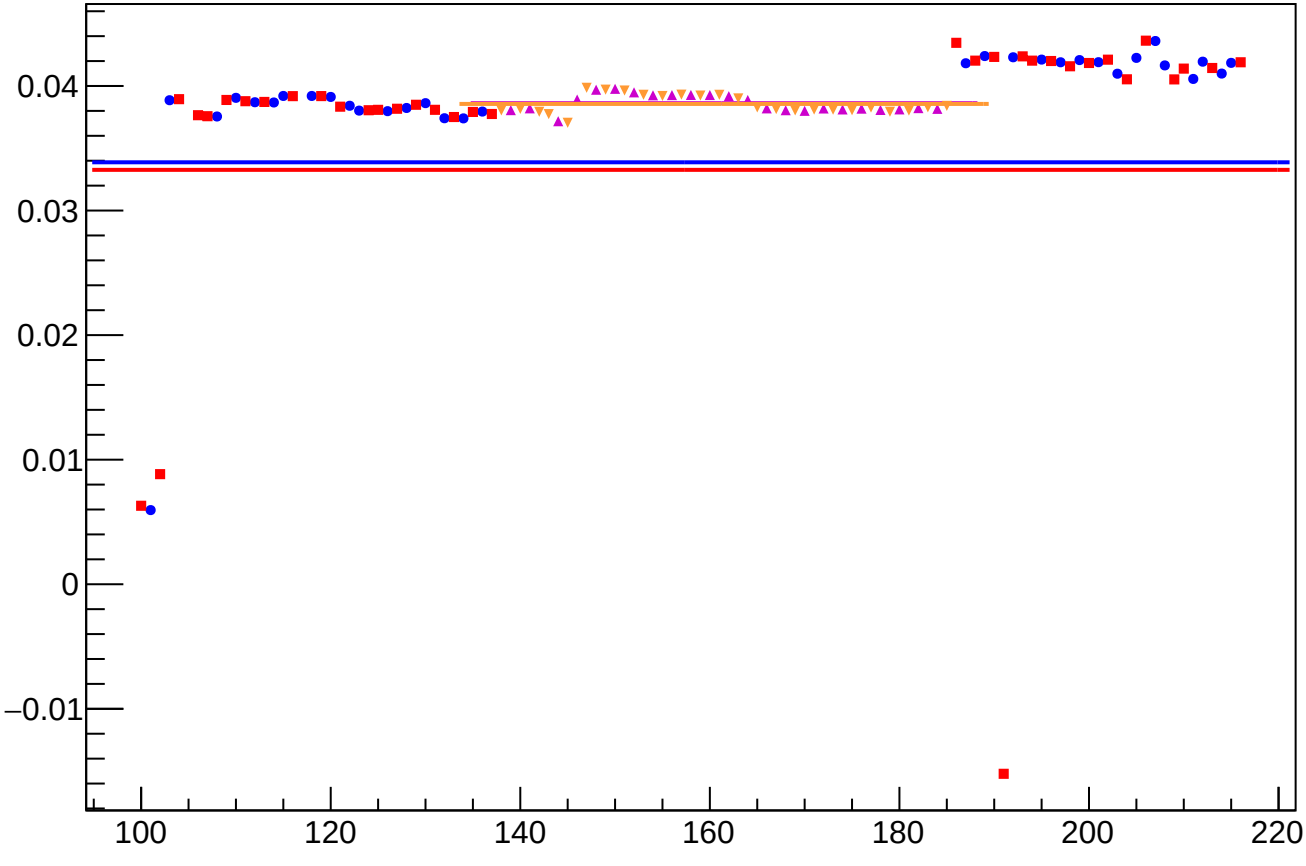
Right: 0.000+/-0.000 χ^2/NDF: 22948329.6/66

In: 0.000+/-0.000 χ^2/NDF:13737799.4/54

Out: 0.000+/-0.000 χ^2/NDF:32196169.8/59

All: 0.000+/-0.000 χ^2/NDF: 52875266.8/114

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 120712556964.6/31

Left Out: 0.039+/-0.000 χ^2/NDF:539468437.3/24

Right Out: 0.033+/-0.000 χ^2/NDF: 185399652516.4/34

Left In: 0.039+/-0.000 χ^2/NDF:465745982.6/22

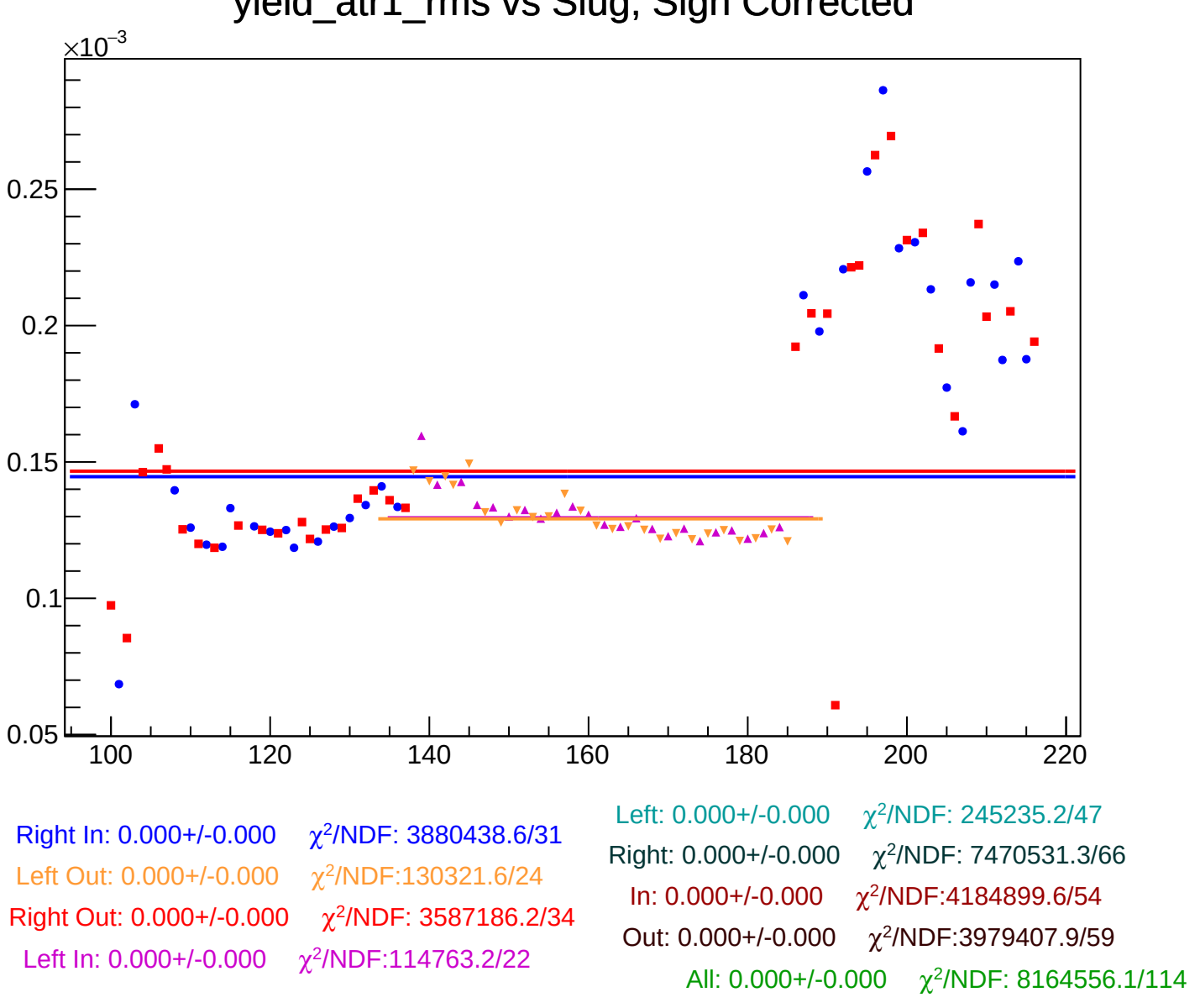
Left: 0.039+/-0.000 χ^2/NDF: 1007039623.8/47

Right: 0.034+/-0.000 χ^2/NDF: 306242915535.0/66

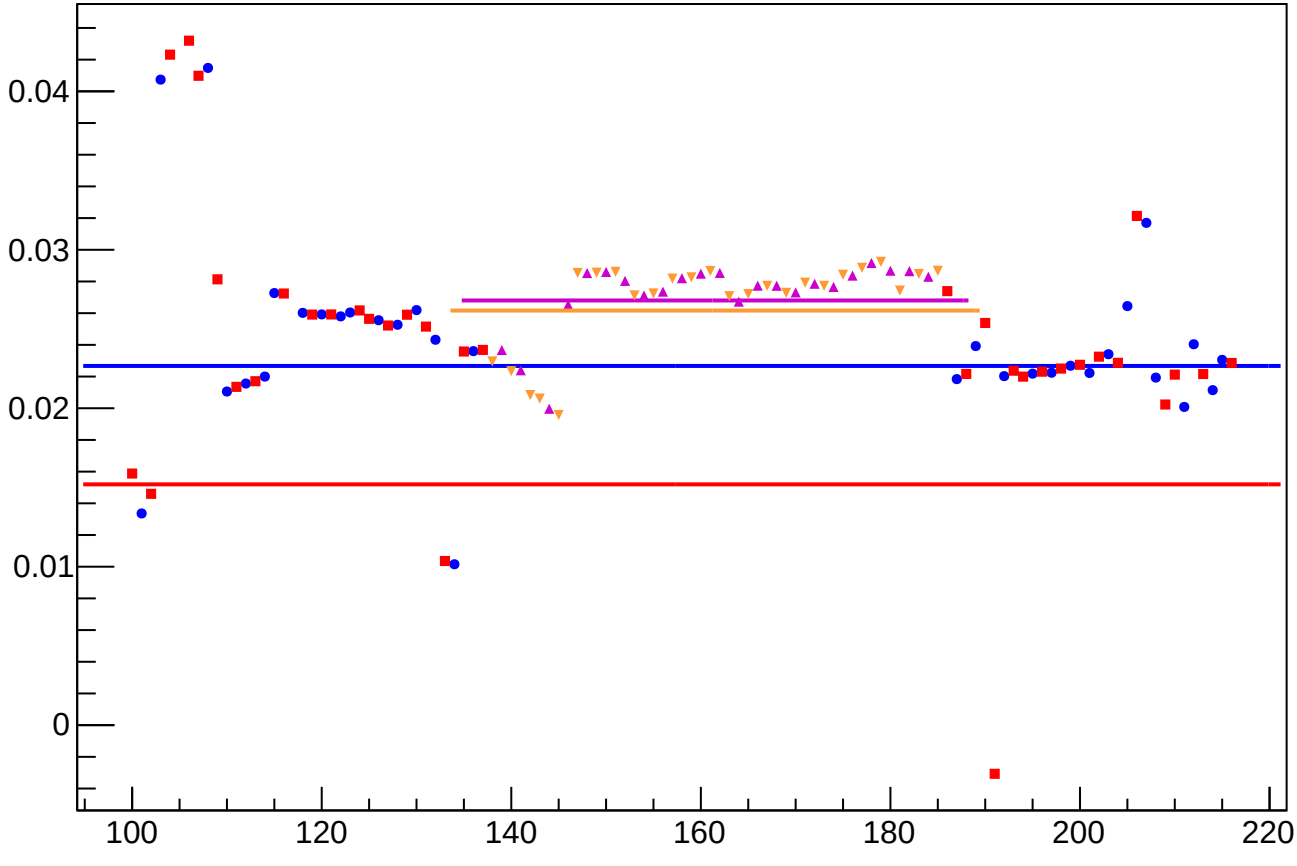
In: 0.037+/-0.000 χ^2/NDF:130579650378.8/54

Out: 0.036+/-0.000 χ^2/NDF:197953478872.0/59

All: 0.037+/-0.000 χ^2/NDF: 328573342068.4


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 3880438.6/31
Left Out: 0.000+/-0.000 χ²/NDF:130321.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3587186.2/34
Left In: 0.000+/-0.000 χ²/NDF:114763.2/22
Left: 0.000+/-0.000 χ²/NDF: 245235.2/47
Right: 0.000+/-0.000 χ²/NDF: 7470531.3/66
In: 0.000+/-0.000 χ²/NDF:4184899.6/54
Out: 0.000+/-0.000 χ²/NDF:3979407.9/59
All: 0.000+/-0.000 χ²/NDF: 8164556.1/114

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 4428133353.4/31

Left Out: 0.026+/-0.000 χ^2/NDF:2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 31867527776.5/34

Left In: 0.027+/-0.000 χ^2/NDF:1332033607.7/22

Left: 0.026+/-0.000 χ^2/NDF: 3427924441.4/47

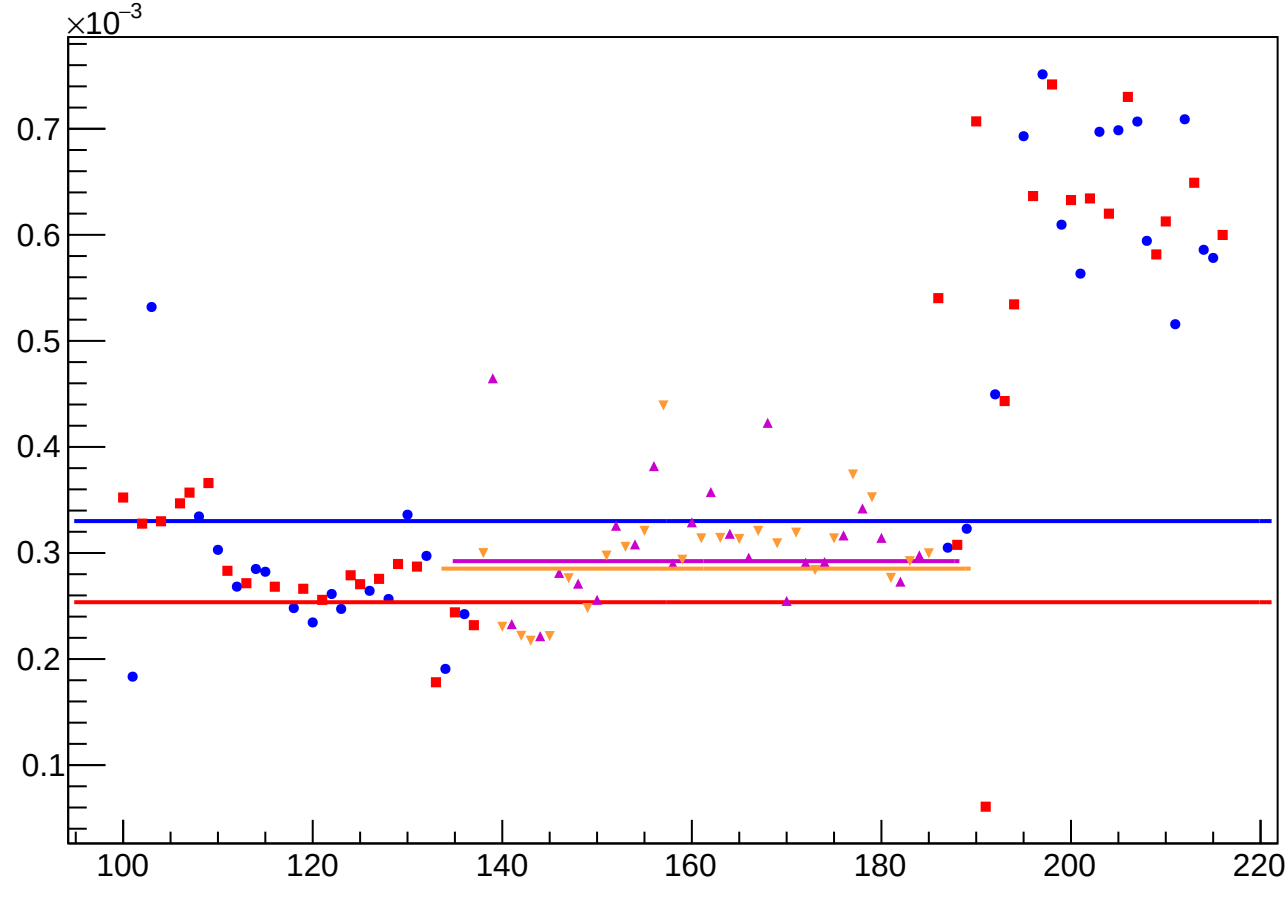
Right: 0.018+/-0.000 χ^2/NDF: 40257960948.0/66

In: 0.025+/-0.000 χ^2/NDF:7006891052.4/54

Out: 0.021+/-0.000 χ^2/NDF:45083693819.2/59

All: 0.023+/-0.000 χ^2/NDF: 54854650336.2/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5884314.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10788509.1/34

Left In: 0.000+/-0.000 χ^2/NDF:898772.9/22

Left: 0.000+/-0.000 χ^2/NDF: 1721873.2/47

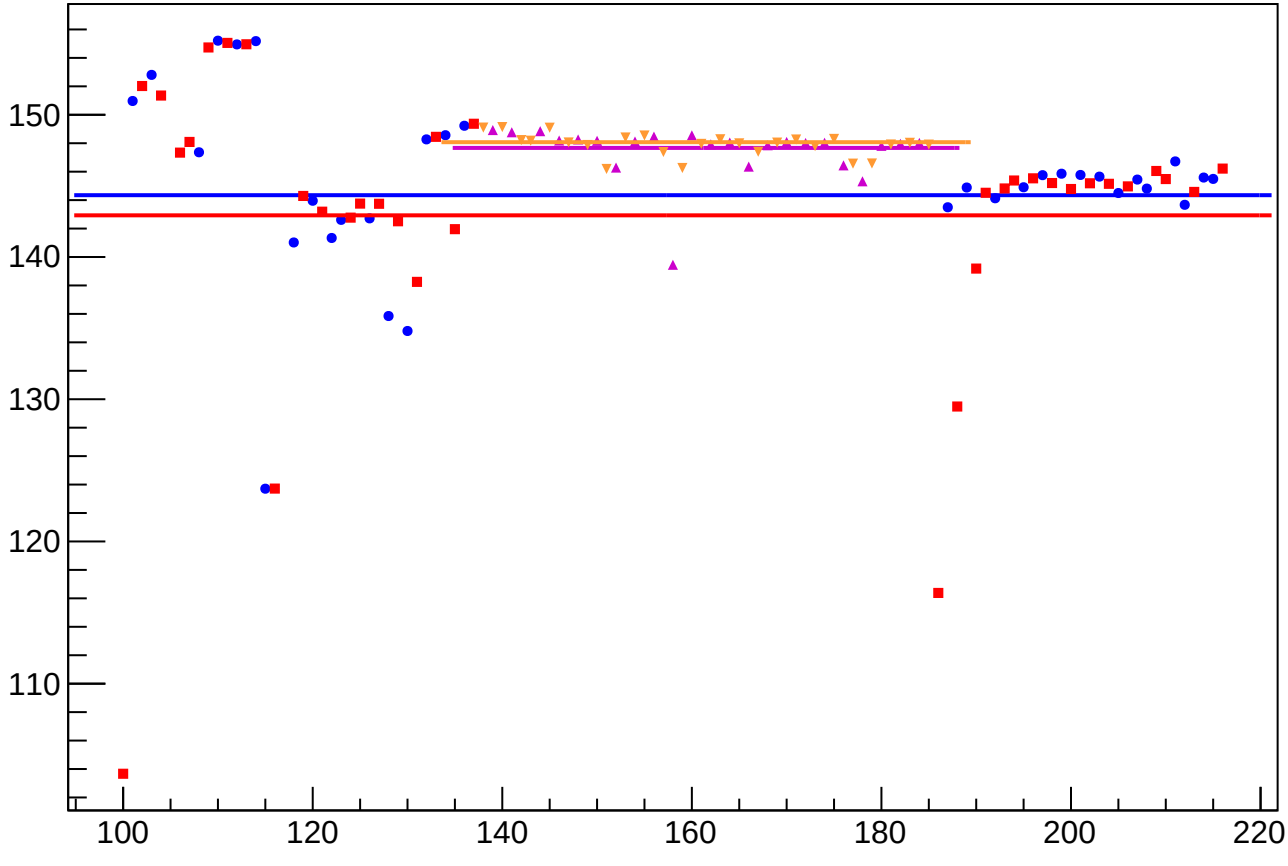
Right: 0.000+/-0.000 χ^2/NDF: 17503147.6/66

In: 0.000+/-0.000 χ^2/NDF:6991232.9/54

Out: 0.000+/-0.000 χ^2/NDF:11788150.7/59

All: 0.000+/-0.000 χ^2/NDF: 19229108.0/114

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.347+/-0.000 χ^2/NDF: 3509157460.7/31

Left Out: 148.073+/-0.000 χ^2/NDF:65614067.4/24

Right Out: 142.930+/-0.000 χ^2/NDF: 7469961635.2/34

Left In: 147.670+/-0.000 χ^2/NDF:345222604.4/22

Left: 147.879+/-0.000 χ^2/NDF: 418091602.5/47

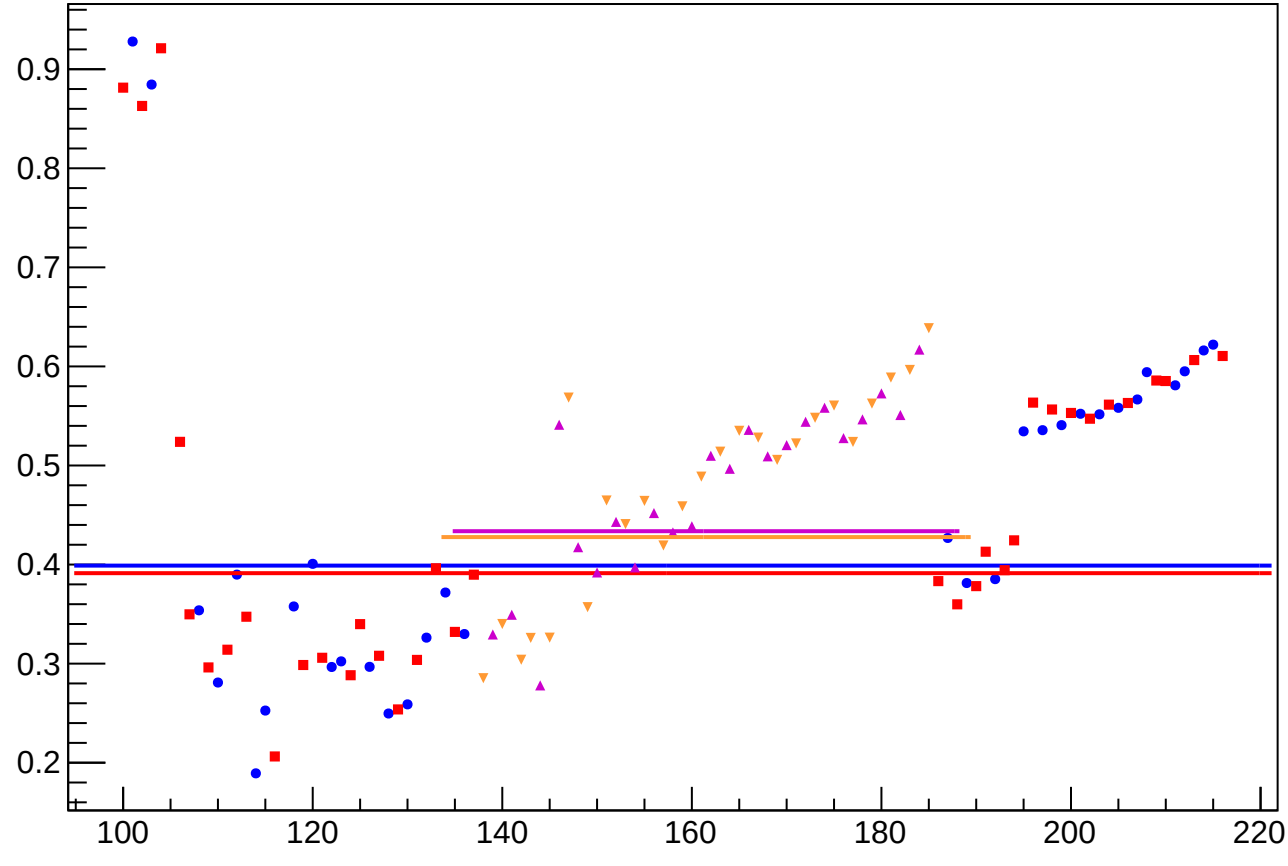
Right: 143.608+/-0.000 χ^2/NDF: 11075773151.9/66

In: 145.954+/-0.000 χ^2/NDF:4347582800.6/54

Out: 145.396+/-0.000 χ^2/NDF:8812813854.8/59

All: 145.664+/-0.000 χ^2/NDF: 13189293091.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.399+/-0.000 χ^2/NDF: 3610431.8/31

Left Out: 0.428+/-0.000 χ^2/NDF:1896808.7/24

Right Out: 0.391+/-0.000 χ^2/NDF: 3256112.2/34

Left In: 0.434+/-0.000 χ^2/NDF:1496343.5/22

Left: 0.431+/-0.000 χ^2/NDF: 3396308.8/47

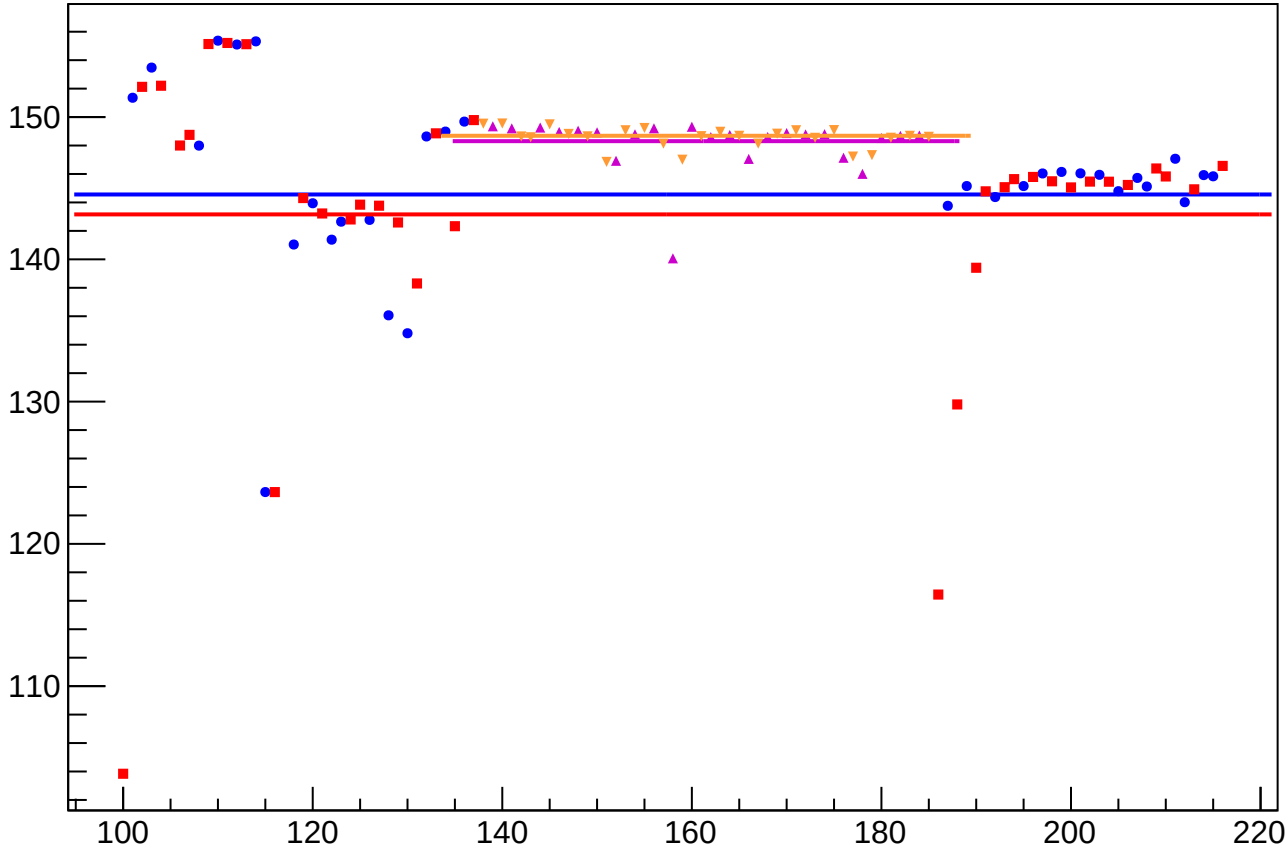
Right: 0.395+/-0.000 χ^2/NDF: 6872156.2/66

In: 0.416+/-0.000 χ^2/NDF:5214467.6/54

Out: 0.409+/-0.000 χ^2/NDF:5281044.2/59

All: 0.412+/-0.000 χ^2/NDF: 10504516.6/114

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.560+/-0.000 χ^2/NDF: 3560725520.9/31

Left Out: 148.686+/-0.000 χ^2/NDF:52218185.1/24

Right Out: 143.159+/-0.000 χ^2/NDF: 7422779320.7/34

Left In: 148.307+/-0.000 χ^2/NDF:333585558.2/22

Left: 148.504+/-0.000 χ^2/NDF: 392094013.2/47

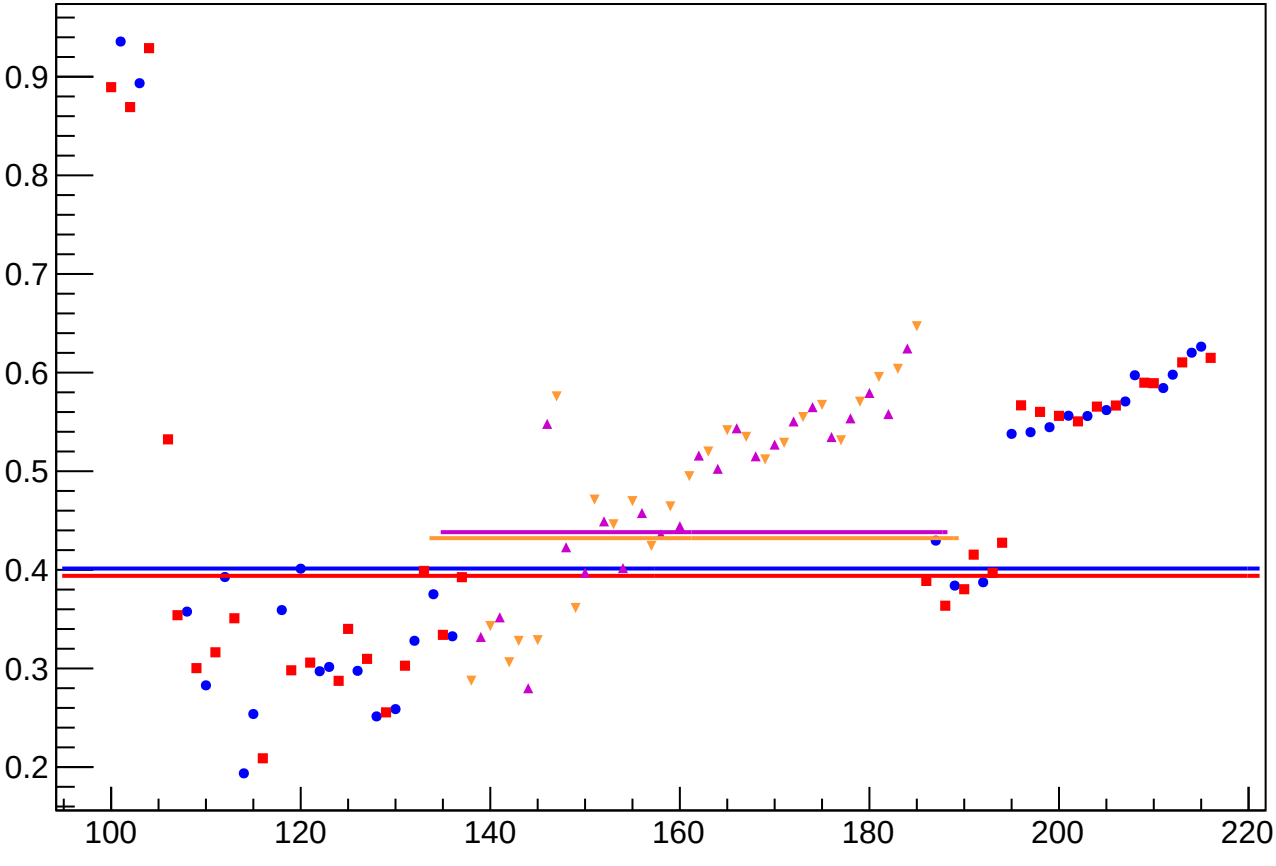
Right: 143.829+/-0.000 χ^2/NDF: 11076763587.0/66

In: 146.363+/-0.000 χ^2/NDF:4510865417.5/54

Out: 145.799+/-0.000 χ^2/NDF:8924587432.9/59

All: 146.070+/-0.000 χ^2/NDF: 13464556086.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.401+/-0.000 χ^2/NDF: 3618603.7/31

Left Out: 0.432+/-0.000 χ^2/NDF:1929031.5/24

Right Out: 0.394+/-0.000 χ^2/NDF: 3260244.3/34

Left In: 0.438+/-0.000 χ^2/NDF:1521893.6/22

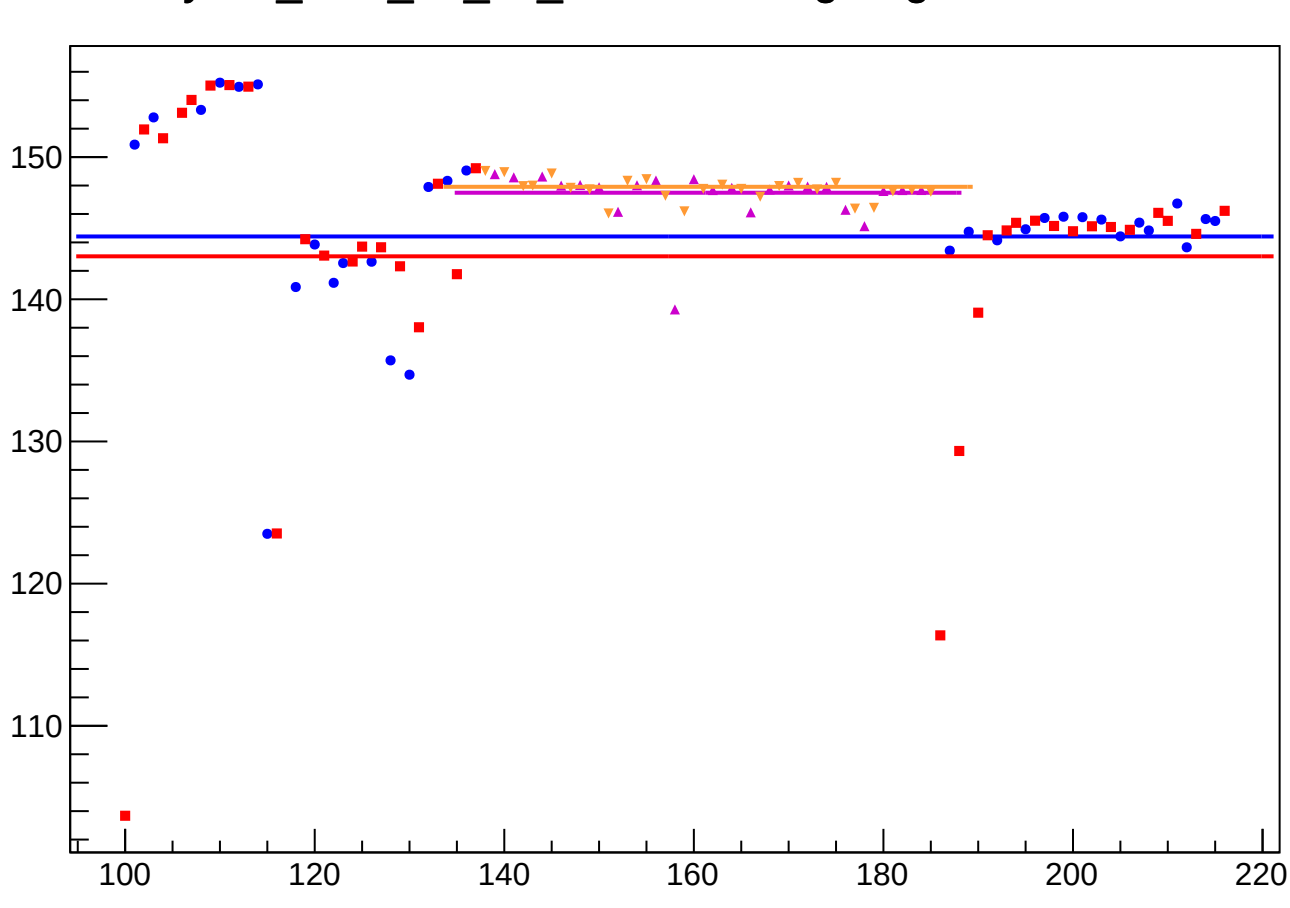
Left: 0.435+/-0.000 χ^2/NDF: 3454164.8/47

Right: 0.397+/-0.000 χ^2/NDF: 6884060.3/66

In: 0.419+/-0.000 χ^2/NDF:5259959.2/54

Out: 0.412+/-0.000 χ^2/NDF:5327836.0/59

All: 0.415+/-0.000 χ^2/NDF: 10596512.5/114



Right In: 144.418+/-0.000 χ^2/NDF: 3714422350.6/31

Left Out: 147.911+/-0.000 χ^2/NDF:64412407.9/24

Right Out: 143.021+/-0.000 χ^2/NDF: 7843066565.2/34

Left In: 147.493+/-0.000 χ^2/NDF:343978473.2/22

Left: 147.709+/-0.000 χ^2/NDF: 416149781.4/47

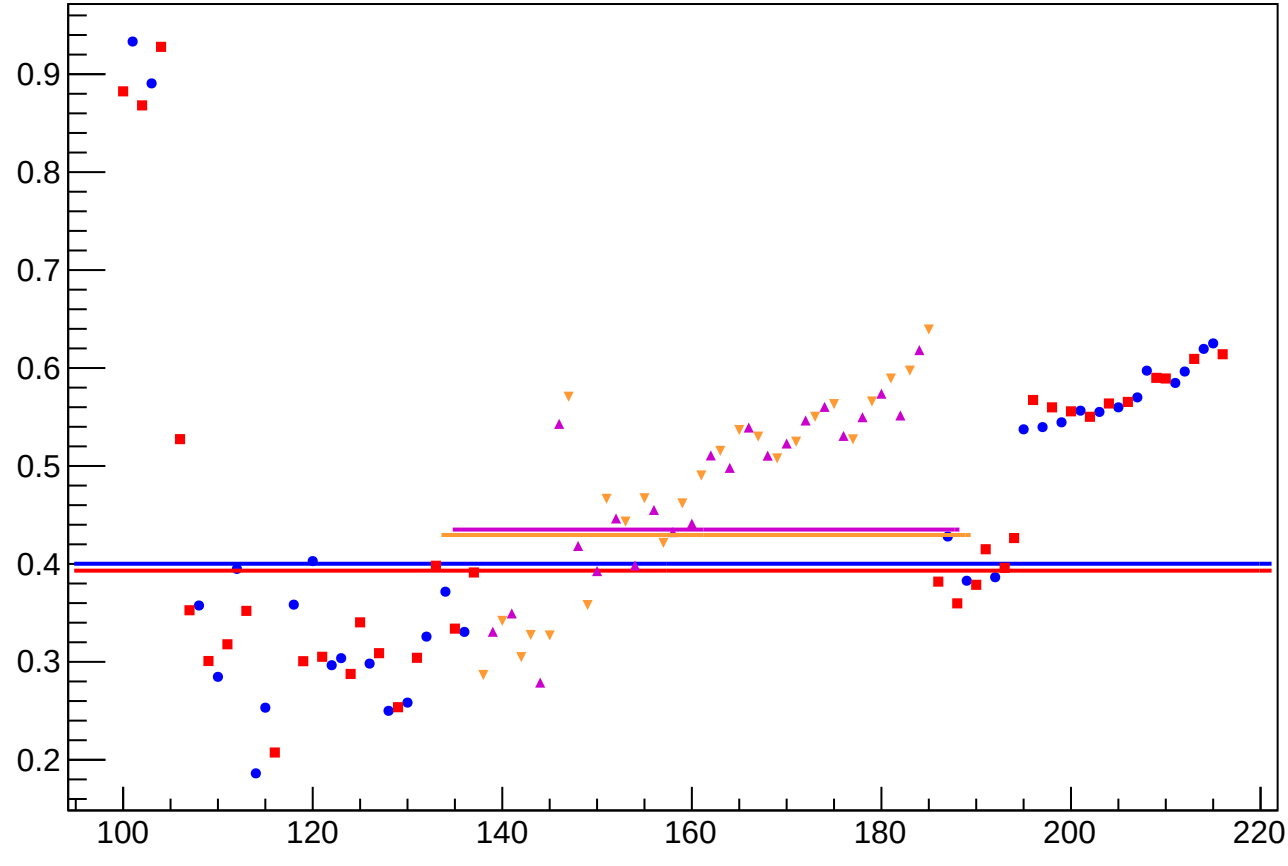
Right: 143.690+/-0.000 χ^2/NDF: 11650705446.2/66

In: 145.906+/-0.000 χ^2/NDF:4477586971.2/54

Out: 145.368+/-0.000 χ^2/NDF:9051982036.8/59

All: 145.626+/-0.000 χ^2/NDF: 13556325119.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.400+/-0.000 χ^2/NDF: 3649308.5/31

Left Out: 0.430+/-0.000 χ^2/NDF:1895701.4/24

Right Out: 0.393+/-0.000 χ^2/NDF: 3263740.3/34

Left In: 0.435+/-0.000 χ^2/NDF:1502712.5/22

Left: 0.432+/-0.000 χ^2/NDF: 3401133.5/47

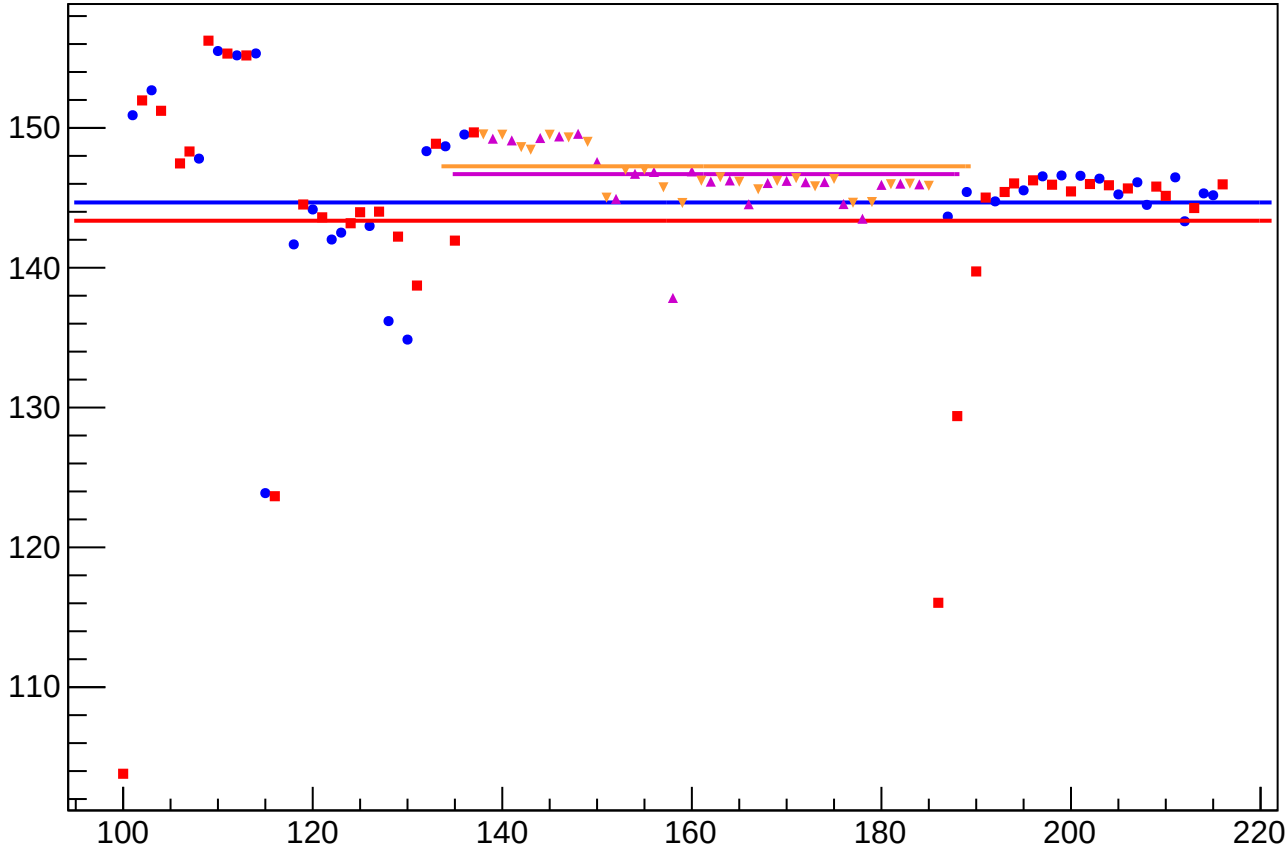
Right: 0.397+/-0.000 χ^2/NDF: 6917797.1/66

In: 0.417+/-0.000 χ^2/NDF:5259852.5/54

Out: 0.411+/-0.000 χ^2/NDF:5286217.3/59

All: 0.414+/-0.000 χ^2/NDF: 10553773.8/114

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.669+/-0.000 χ^2/NDF: 3233667722.6/31

Left Out: 147.255+/-0.000 χ^2/NDF:262138049.8/24

Right Out: 143.362+/-0.000 χ^2/NDF: 7154986837.5/34

Left In: 146.695+/-0.000 χ^2/NDF:557896803.1/22

Left: 146.984+/-0.000 χ^2/NDF: 833217060.4/47

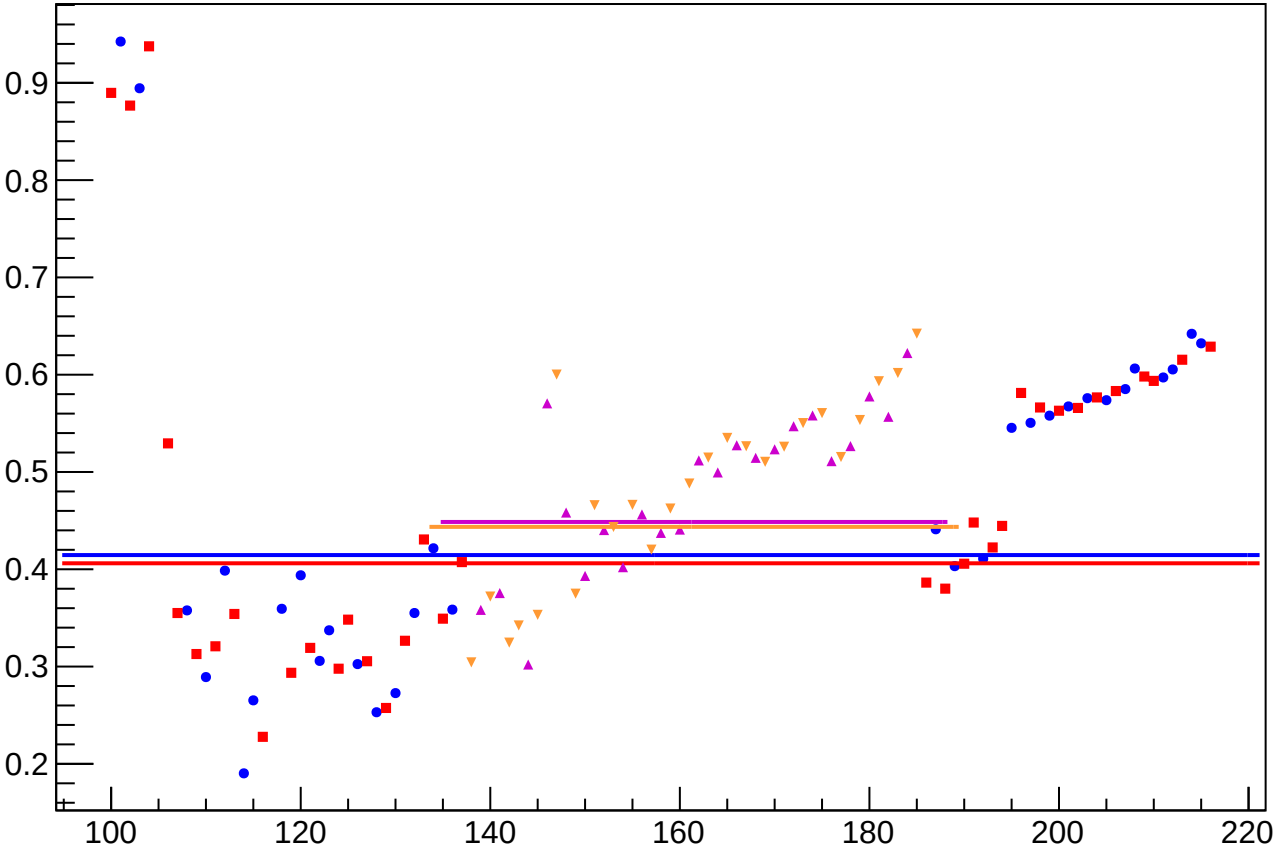
Right: 143.986+/-0.000 χ^2/NDF: 10464863272.7/66

In: 145.659+/-0.000 χ^2/NDF:3962948092.2/54

Out: 145.240+/-0.000 χ^2/NDF:8100162767.9/59

All: 145.441+/-0.000 χ^2/NDF: 12078342863.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.415+/-0.000 χ^2/NDF: 3527324.0/31

Left Out: 0.444+/-0.000 χ^2/NDF:1483434.7/24

Right Out: 0.406+/-0.000 χ^2/NDF: 3154047.9/34

Left In: 0.449+/-0.000 χ^2/NDF:1132620.8/22

Left: 0.446+/-0.000 χ^2/NDF: 2618207.6/47

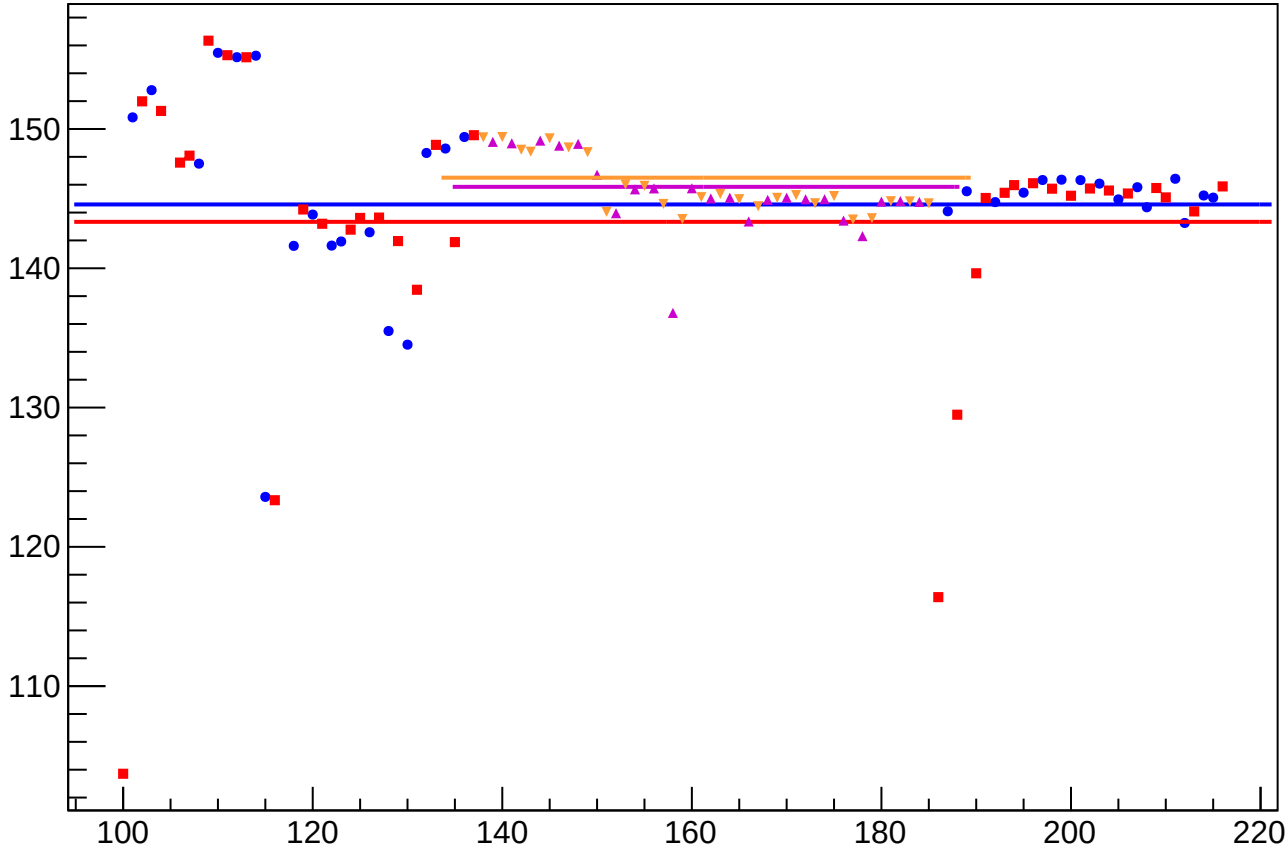
Right: 0.410+/-0.000 χ^2/NDF: 6687754.7/66

In: 0.431+/-0.000 χ^2/NDF:4756635.7/54

Out: 0.424+/-0.000 χ^2/NDF:4763843.2/59

All: 0.428+/-0.000 χ^2/NDF: 9529040.6/114

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.583+/-0.000 χ^2/NDF: 3343499335.4/31

Left Out: 146.505+/-0.000 χ^2/NDF:401688176.3/24

Right Out: 143.334+/-0.000 χ^2/NDF: 7106639167.1/34

Left In: 145.847+/-0.000 χ^2/NDF:694764545.6/22

Left: 146.187+/-0.000 χ^2/NDF: 1114638549.0/47

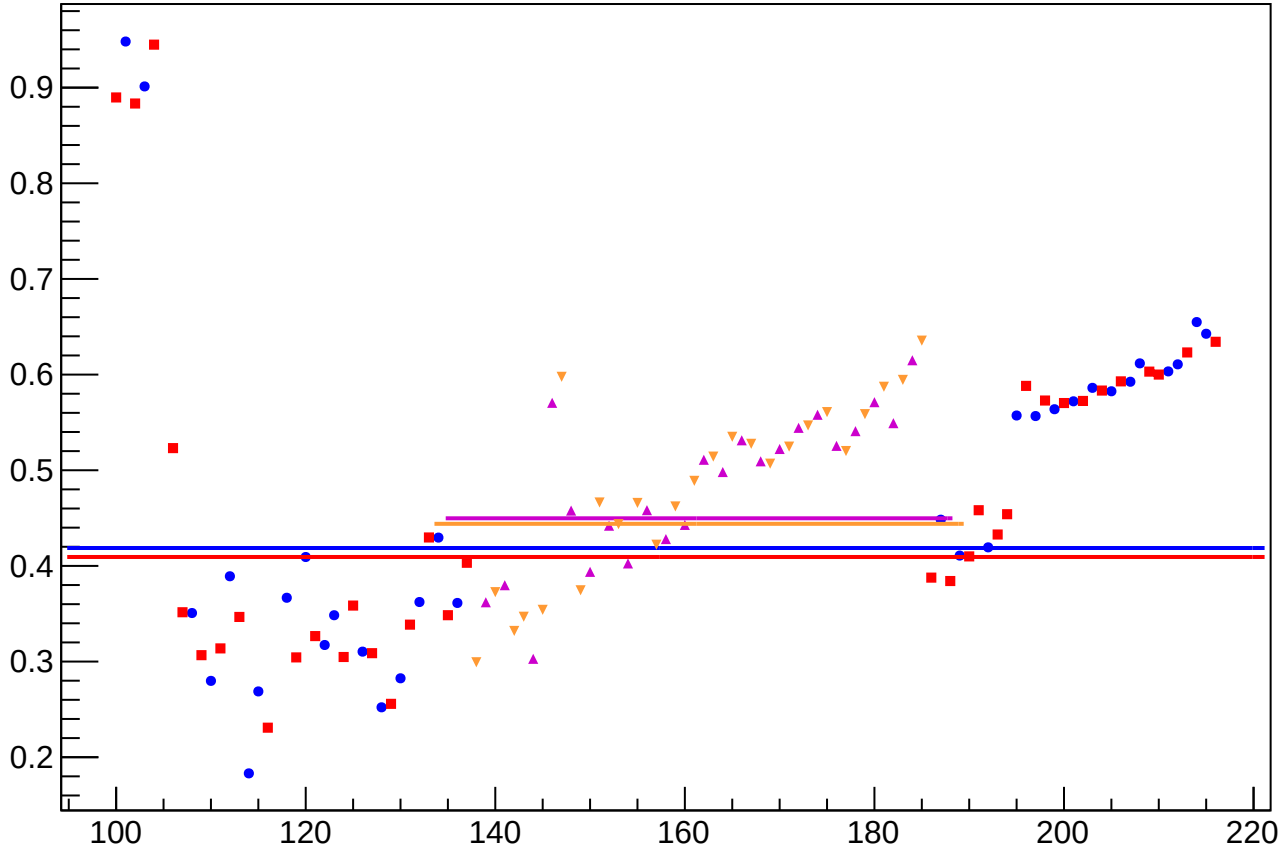
Right: 143.929+/-0.000 χ^2/NDF: 10518279174.2/66

In: 145.206+/-0.000 χ^2/NDF:4103951444.8/54

Out: 144.877+/-0.000 χ^2/NDF:7956894676.0/59

All: 145.035+/-0.000 χ^2/NDF: 12070133365.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.419+/-0.000 χ^2/NDF: 3584431.0/31

Left Out: 0.444+/-0.000 χ^2/NDF:1463293.5/24

Right Out: 0.409+/-0.000 χ^2/NDF: 3190327.2/34

Left In: 0.450+/-0.000 χ^2/NDF:1105405.0/22

Left: 0.447+/-0.000 χ^2/NDF: 2571486.5/47

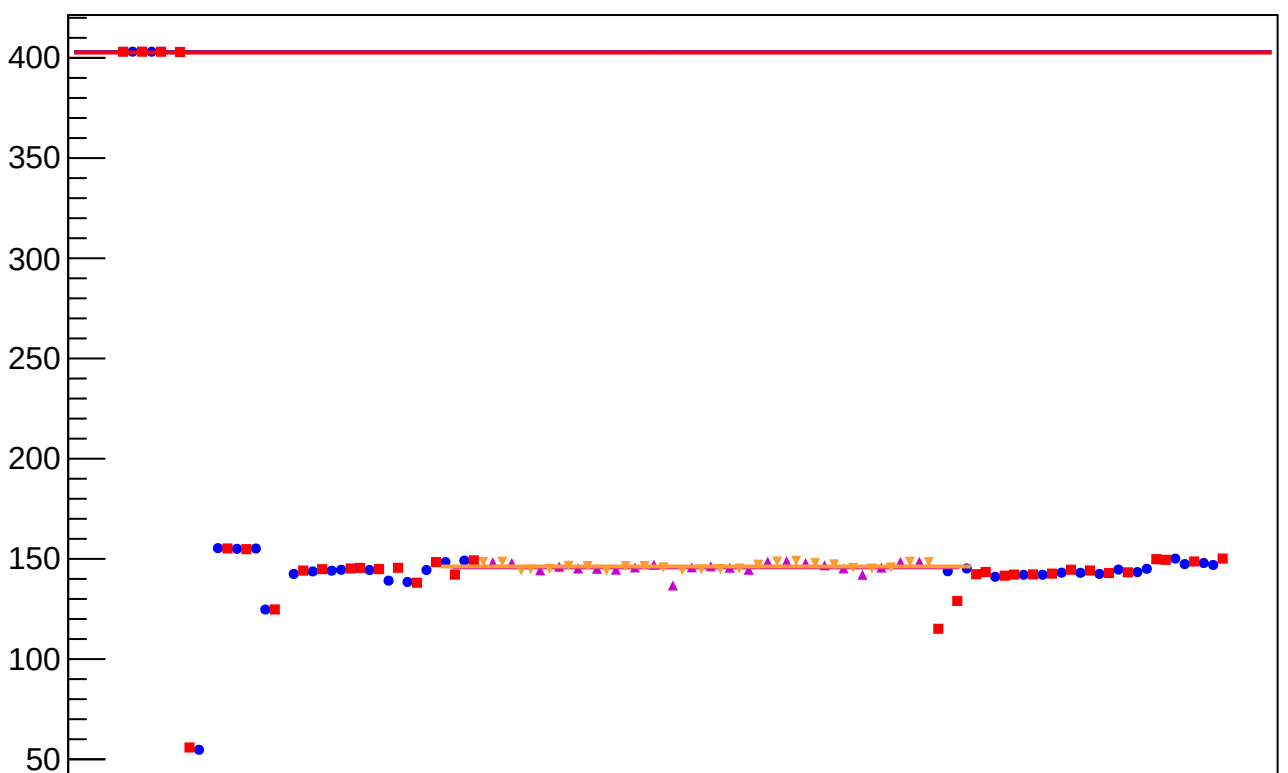
Right: 0.414+/-0.000 χ^2/NDF: 6782458.8/66

In: 0.434+/-0.000 χ^2/NDF:4769157.0/54

Out: 0.426+/-0.000 χ^2/NDF:4760900.8/59

All: 0.430+/-0.000 χ^2/NDF: 9540559.3/114

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.860+/-0.000 χ^2/NDF: 1881468678403.3/31

Left Out: 146.205+/-0.000 χ^2/NDF:86658381.3/24

Right Out: 402.693+/-0.000 χ^2/NDF: 4080391965259.6/34

Left In: 145.773+/-0.000 χ^2/NDF:207332354.9/22

Left: 145.990+/-0.000 χ^2/NDF: 297342055.1/47

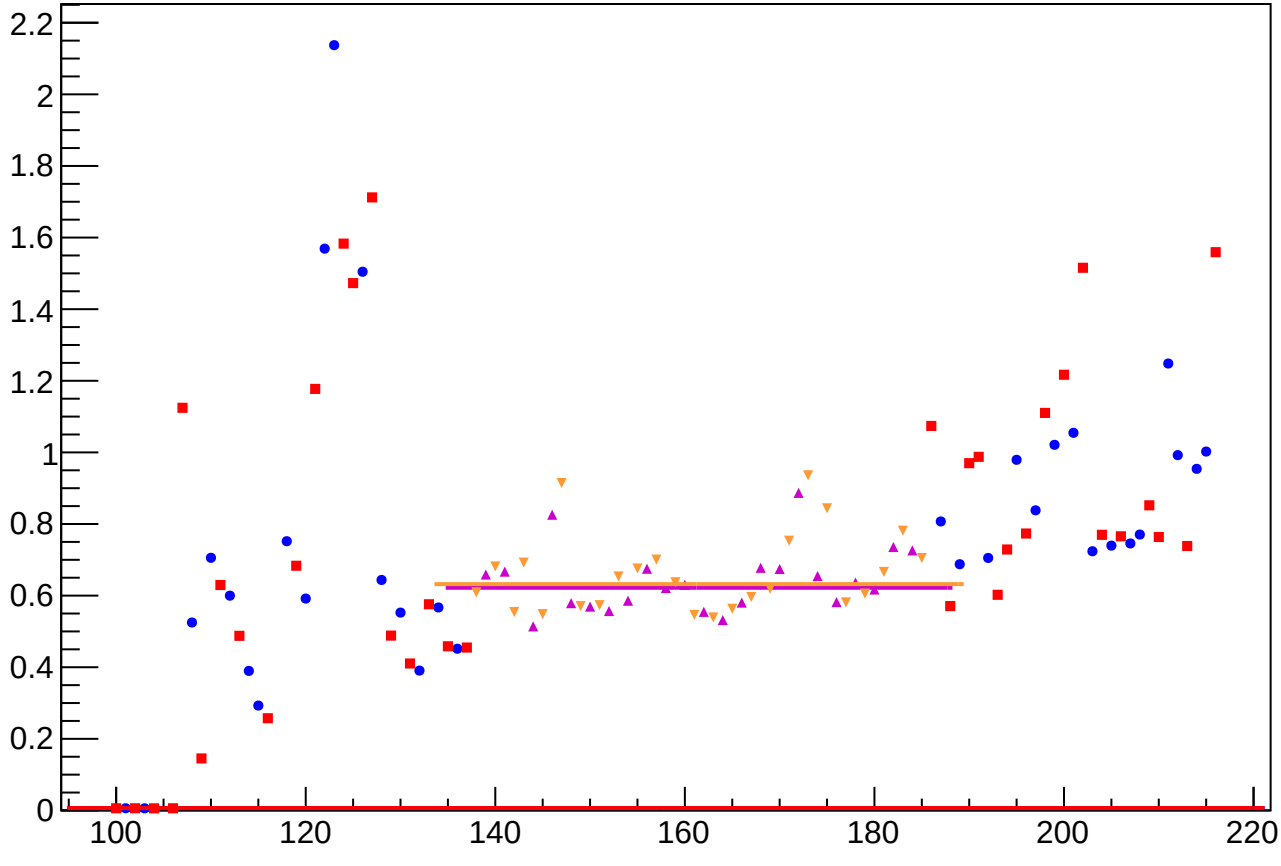
Right: 402.771+/-0.000 χ^2/NDF: 5962323838827.3/

In: 402.567+/-0.000 χ^2/NDF:4229719640713.8/54

Out: 402.431+/-0.000 χ^2/NDF:6447815873393.2/5

All: 402.495+/-0.000 χ^2/NDF: 10677841305

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 25814600.6/31

Left Out: 0.632+/-0.000 χ^2/NDF:614155.9/24

Right Out: 0.007+/-0.000 χ^2/NDF: 27489241.6/34

Left In: 0.622+/-0.000 χ^2/NDF:404479.0/22

Left: 0.627+/-0.000 χ^2/NDF: 1022337.9/47

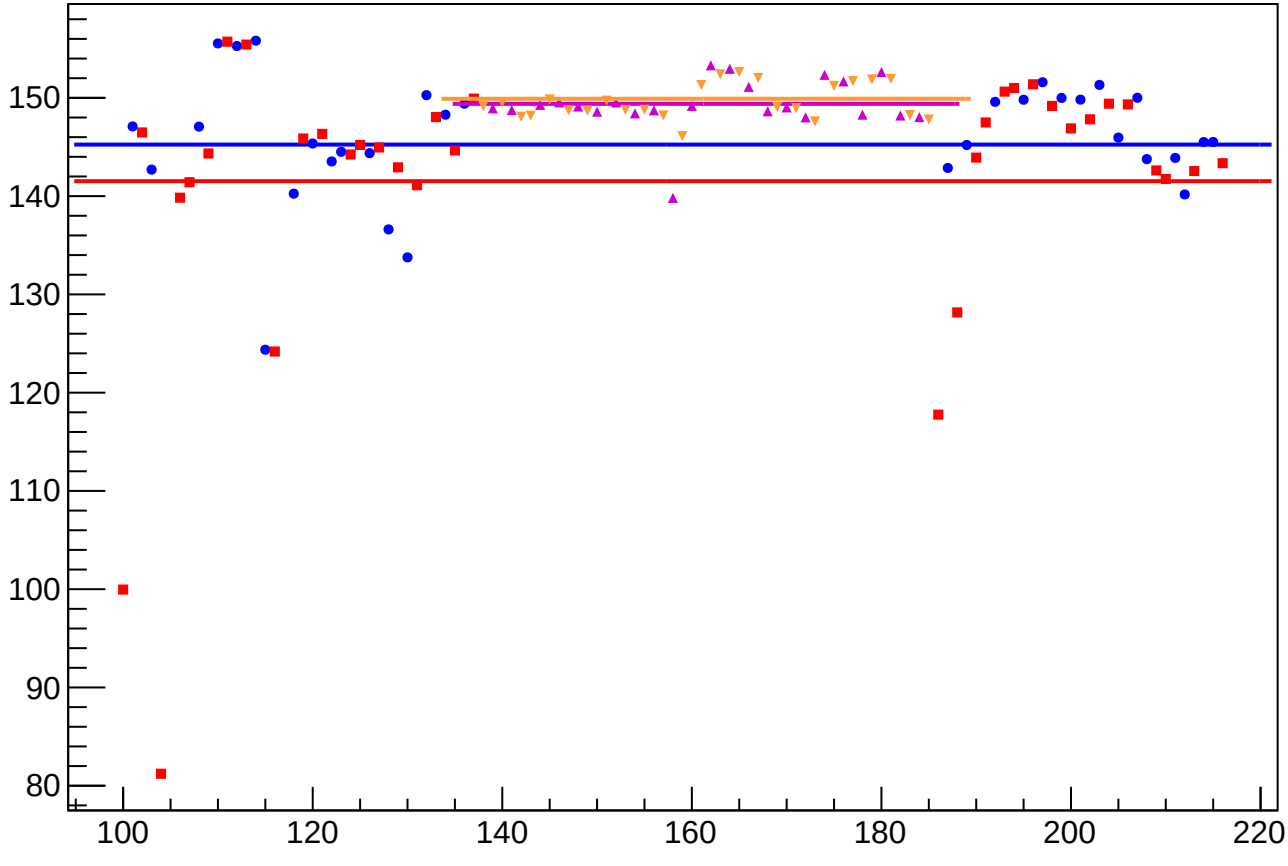
Right: 0.007+/-0.000 χ^2/NDF: 53303845.6/66

In: 0.007+/-0.000 χ^2/NDF:53117841.1/54

Out: 0.007+/-0.000 χ^2/NDF:56259430.9/59

All: 0.007+/-0.000 χ^2/NDF: 109377451.5/114

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 145.244+/-0.000 χ^2/NDF: 1360347977.0/31

Left Out: 149.906+/-0.000 χ^2/NDF:163261802.4/24

Right Out: 141.522+/-0.000 χ^2/NDF: 3253277694.9/34

Left In: 149.391+/-0.000 χ^2/NDF:437129920.4/22

Left: 149.657+/-0.000 χ^2/NDF: 606930259.3/47

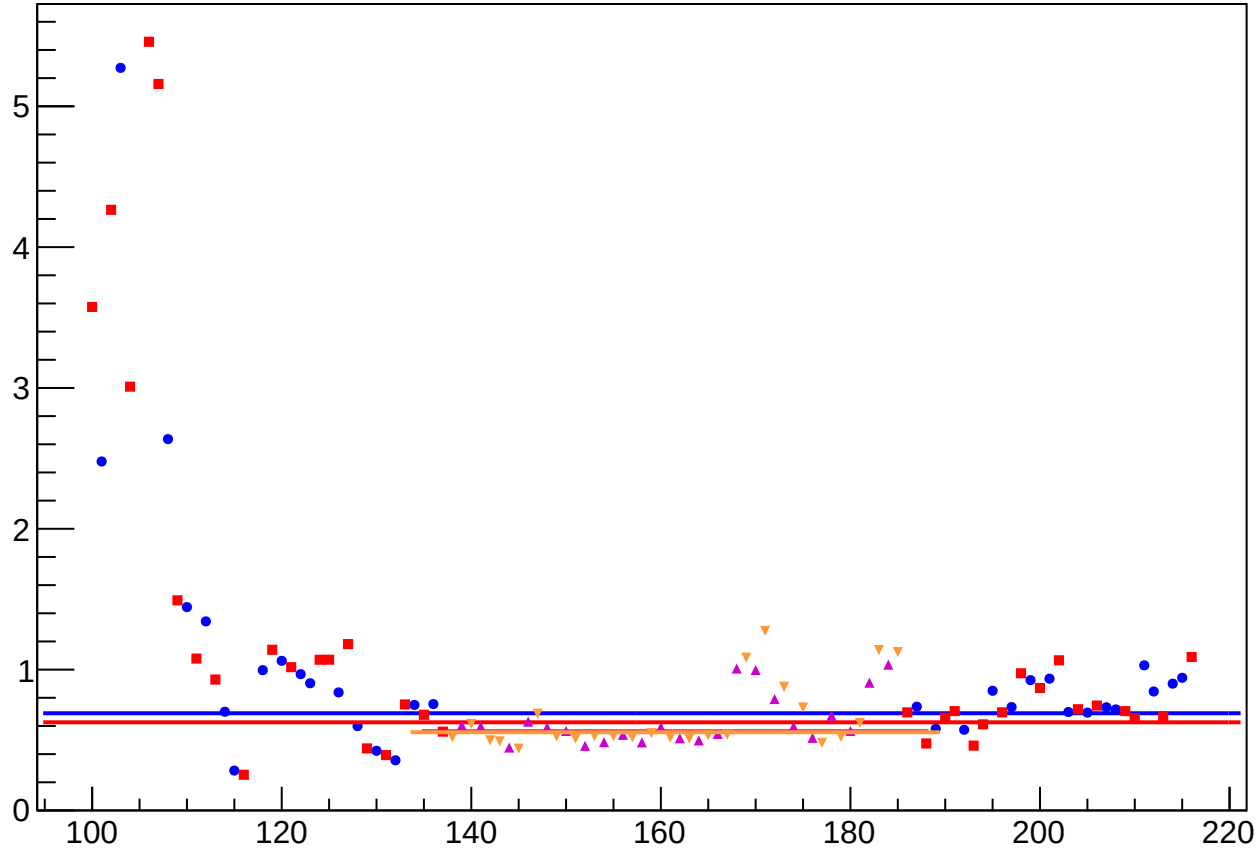
Right: 143.184+/-0.000 χ^2/NDF: 4807997348.8/66

In: 147.950+/-0.000 χ^2/NDF:2081870297.8/54

Out: 146.707+/-0.000 χ^2/NDF:4782218406.9/59

All: 147.291+/-0.000 χ^2/NDF: 6923779696.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.690+/-0.000 χ^2/NDF: 4343199.5/31

Left Out: 0.555+/-0.000 χ^2/NDF:1773380.1/24

Right Out: 0.626+/-0.000 χ^2/NDF: 5811775.5/34

Left In: 0.562+/-0.000 χ^2/NDF:1311075.2/22

Left: 0.559+/-0.000 χ^2/NDF: 3086646.6/47

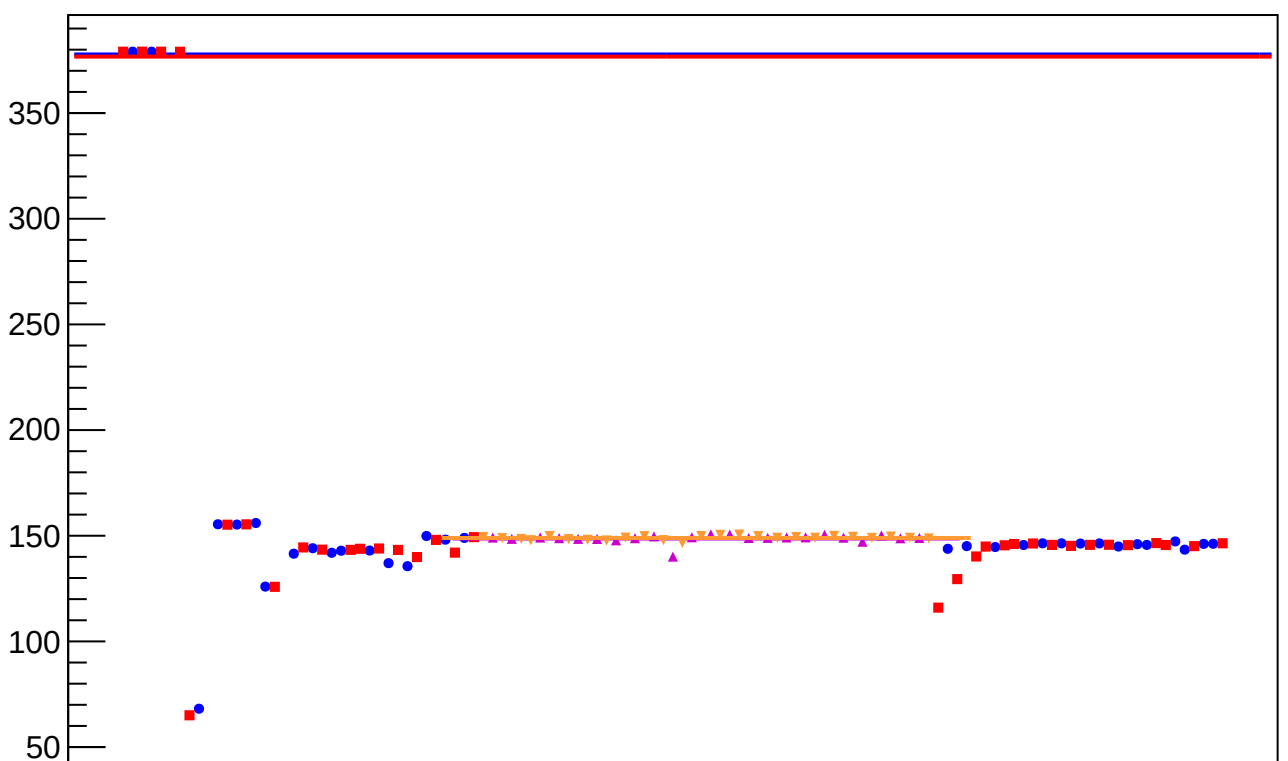
Right: 0.655+/-0.000 χ^2/NDF: 10270855.0/66

In: 0.607+/-0.000 χ^2/NDF:6197296.5/54

Out: 0.582+/-0.000 χ^2/NDF:7778425.3/59

All: 0.594+/-0.000 χ^2/NDF: 14021361.0/114

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 377.732+/-0.000 χ^2/NDF: 4213780838756.7/31

Left Out: 148.946+/-0.000 χ^2/NDF:63974844.7/24

Right Out: 376.715+/-0.000 χ^2/NDF: 103354664785 45.6/34

Left In: 148.683+/-0.000 χ^2/NDF:253848207.3/22

Left: 148.820+/-0.000 χ^2/NDF: 320306424.2/47

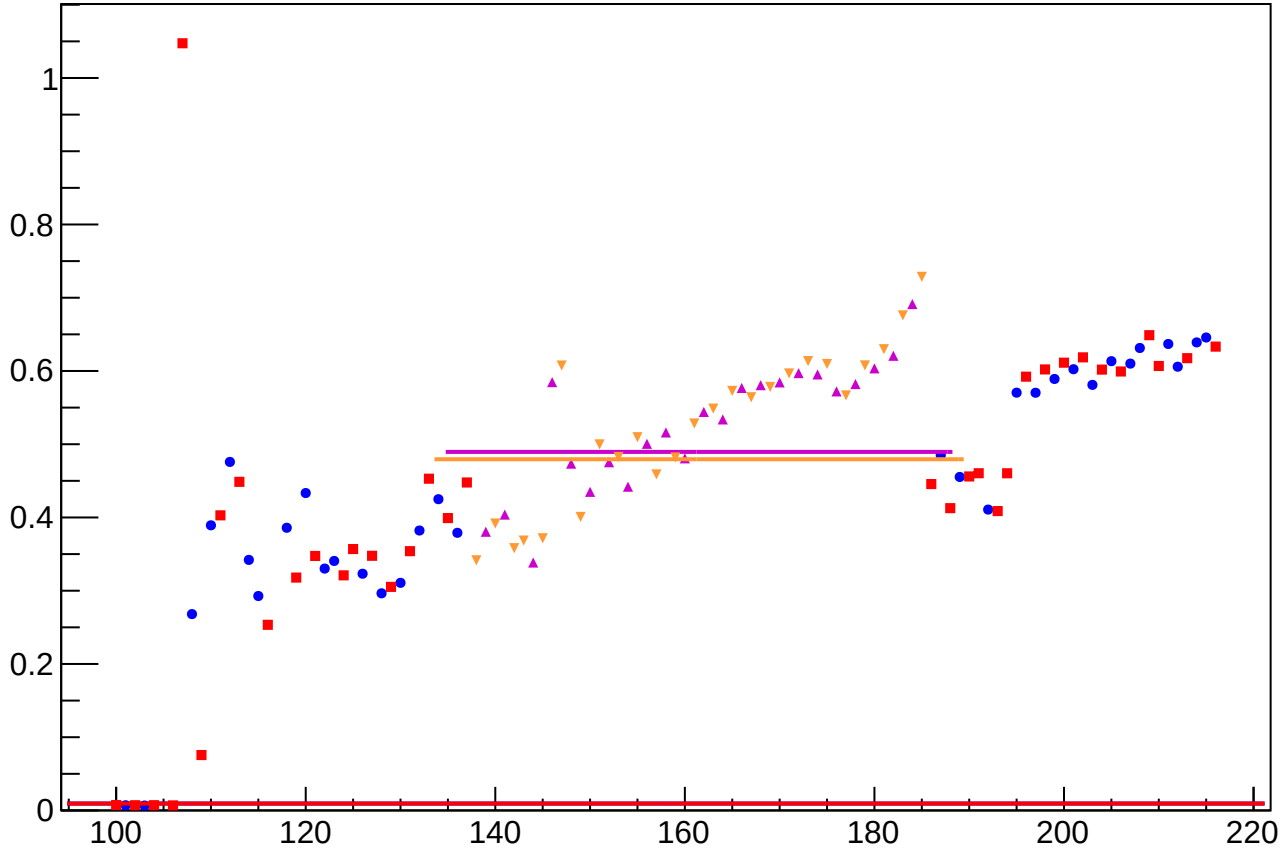
Right: 377.190+/-0.000 χ^2/NDF: 14556606082588.2

In: 376.556+/-0.000 χ^2/NDF:7810658310371.6/54

Out: 375.600+/-0.000 χ^2/NDF:14200145393971.3

All: 376.046+/-0.000 χ^2/NDF: 220173311837

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 29760637.4/31

Left Out: 0.479+/-0.000 χ^2/NDF:1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF: 29948375.0/34

Left In: 0.490+/-0.000 χ^2/NDF:1090532.3/22

Left: 0.484+/-0.000 χ^2/NDF: 2616511.3/47

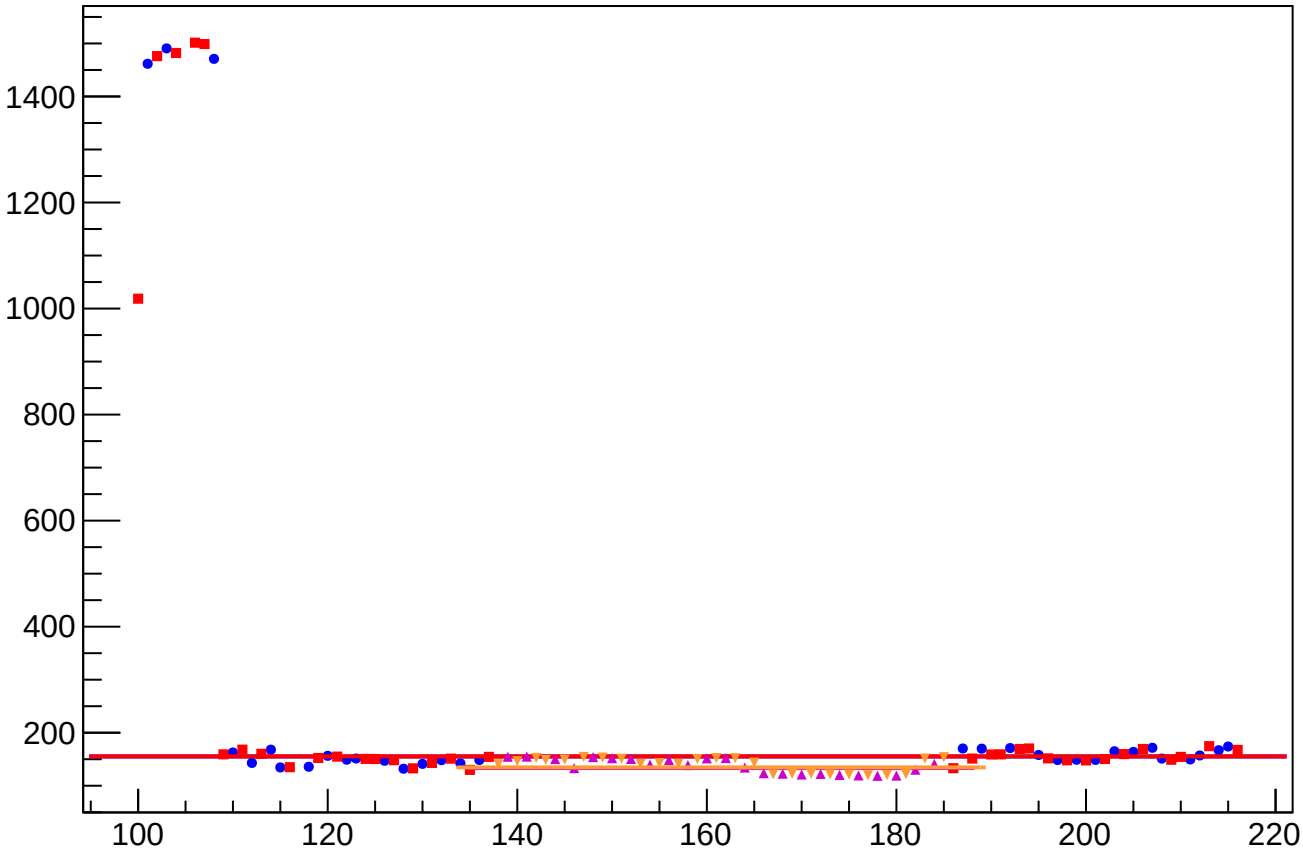
Right: 0.009+/-0.000 χ^2/NDF: 59709031.8/66

In: 0.012+/-0.000 χ^2/NDF:62451129.7/54

Out: 0.012+/-0.000 χ^2/NDF:64390458.7/59

All: 0.012+/-0.000 χ^2/NDF: 126842170.3/114

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 155.202+/-0.000 χ^2/NDF: 26161356800.4/31

Left Out: 134.585+/-0.000 χ^2/NDF:4387324151.1/24

Right Out: 155.315+/-0.000 χ^2/NDF: 35260736417.5/34

Left In: 133.309+/-0.000 χ^2/NDF:4353039408.6/22

Left: 133.958+/-0.000 χ^2/NDF: 8759337937.7/47

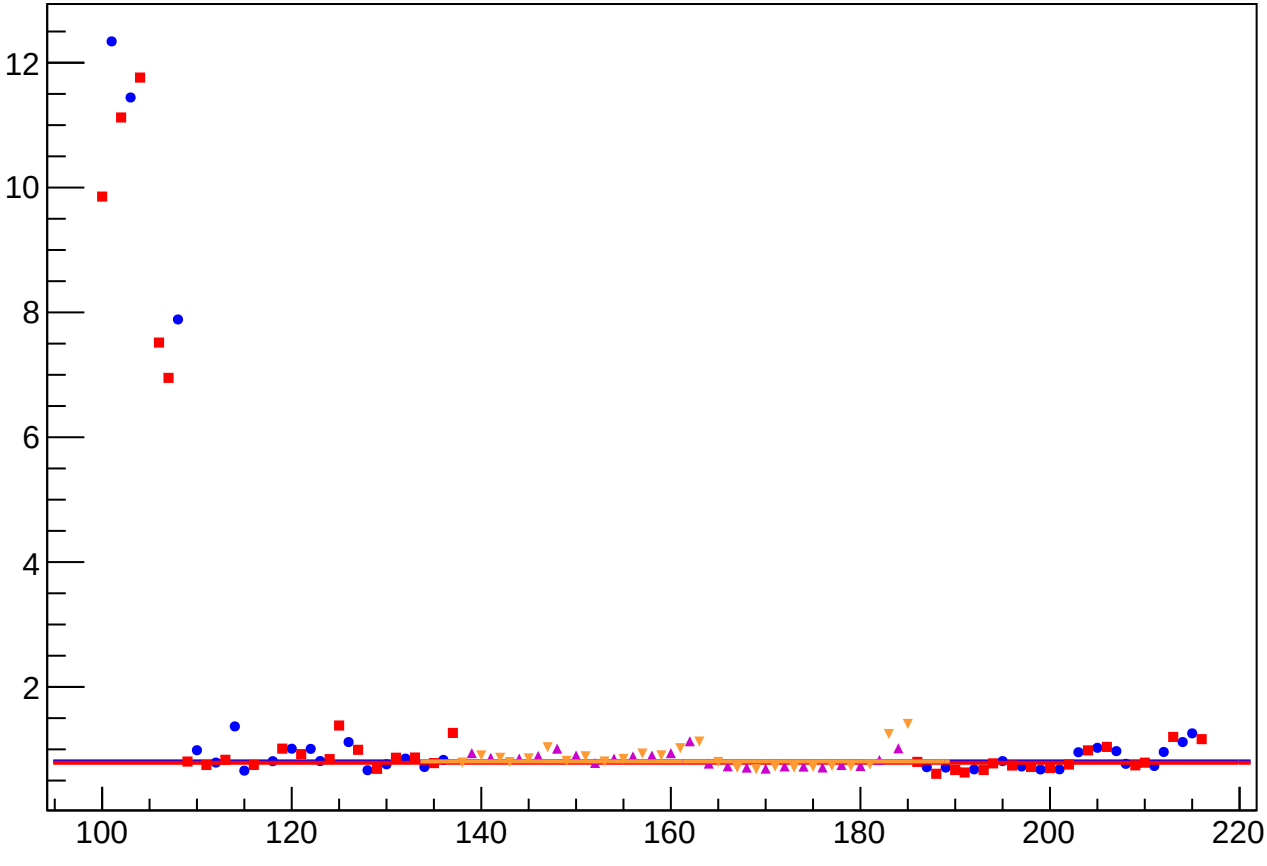
Right: 155.261+/-0.000 χ^2/NDF: 61422223198.8/66

In: 143.379+/-0.000 χ^2/NDF:35573572193.8/54

Out: 144.393+/-0.000 χ^2/NDF:44474991821.0/59

All: 143.901+/-0.000 χ^2/NDF: 80071025410.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.807+/-0.000 χ^2/NDF: 3305869.1/31

Left Out: 0.807+/-0.000 χ^2/NDF:704181.3/24

Right Out: 0.785+/-0.000 χ^2/NDF: 3564888.8/34

Left In: 0.805+/-0.000 χ^2/NDF:479689.4/22

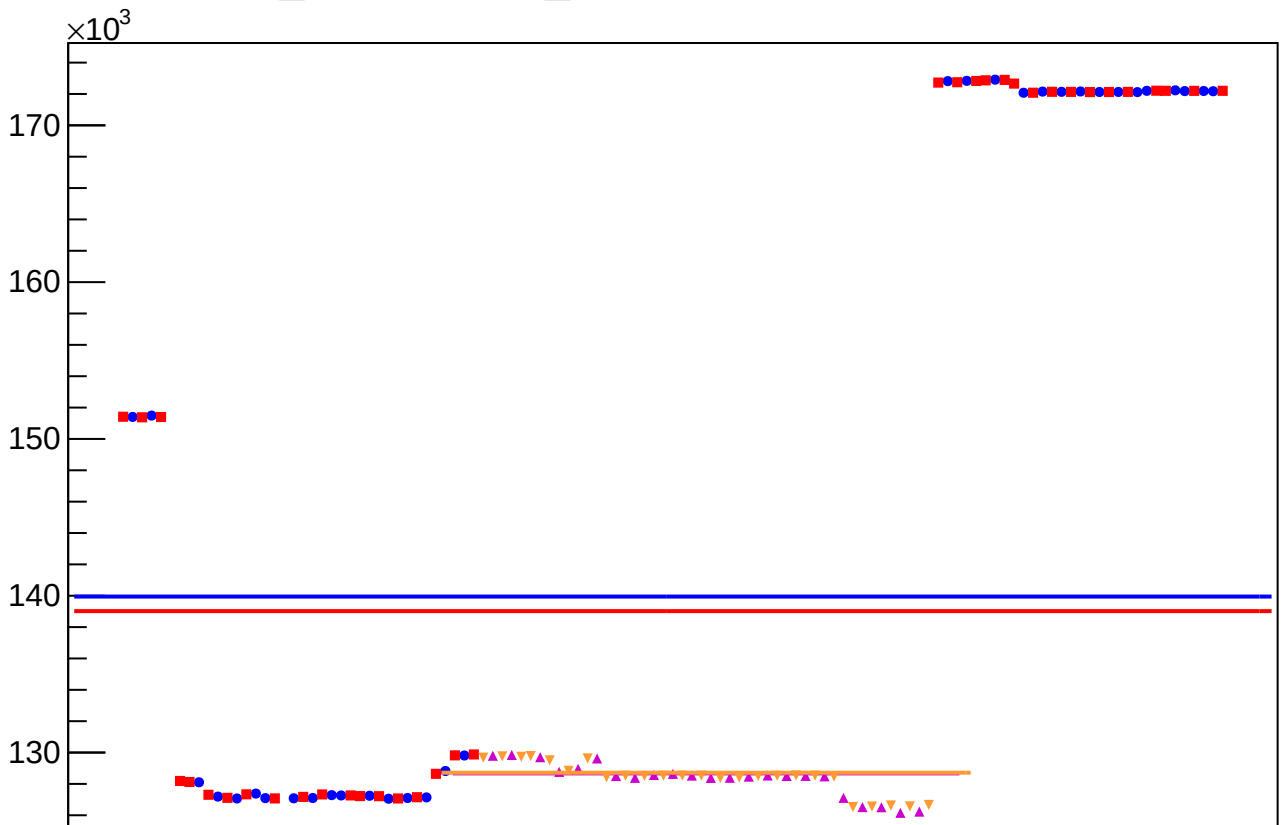
Left: 0.806+/-0.000 χ^2/NDF: 1183976.9/47

Right: 0.796+/-0.000 χ^2/NDF: 6880513.2/66

In: 0.806+/-0.000 χ^2/NDF:3785687.6/54

Out: 0.796+/-0.000 χ^2/NDF:4279484.6/59

All: 0.801+/-0.000 χ^2/NDF: 8068867.4/114



Right In: 139947.822+/-0.047 χ^2/NDF: 181057686407.6/31

Left Out: 128713.791+/-0.047 χ^2/NDF:348293942.5/24

Right Out: 139019.261+/-0.044 χ^2/NDF: 197980651563.5/34

Left In: 128670.094+/-0.049 χ^2/NDF:334875494.0/22

Left: 128692.941+/-0.034 χ^2/NDF: 683588051.4/47

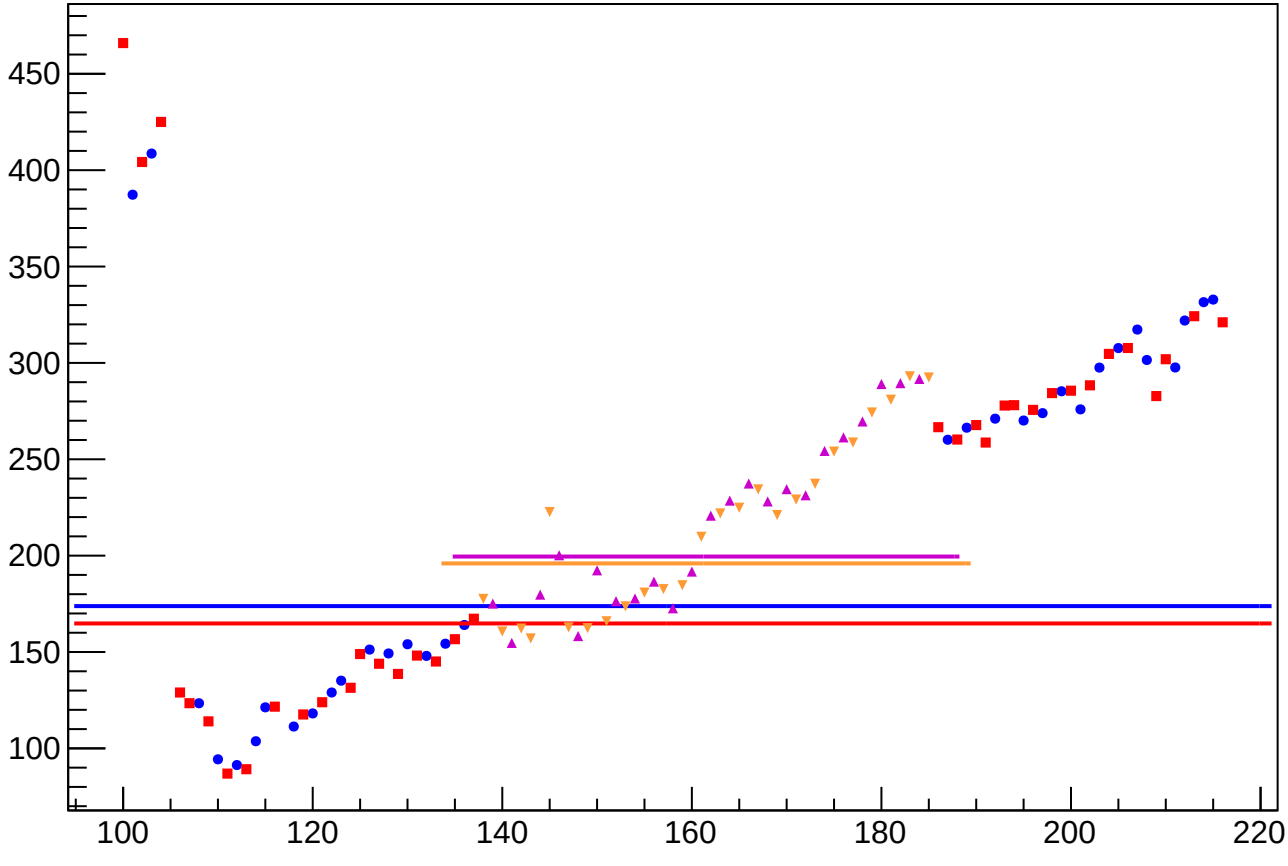
Right: 139452.235+/-0.032 χ^2/NDF: 37924937883

In: 134561.164+/-0.034 χ^2/NDF:209252285989.9

Out: 134209.074+/-0.032 χ^2/NDF:224349903963.

All: 134375.056+/-0.023 χ^2/NDF: 43365971

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 173.816+/-0.033 χ^2/NDF: 6386899.8/31

Left Out: 195.964+/-0.033 χ^2/NDF:1316091.7/24

Right Out: 164.811+/-0.031 χ^2/NDF: 6766727.3/34

Left In: 199.531+/-0.035 χ^2/NDF:1175342.5/22

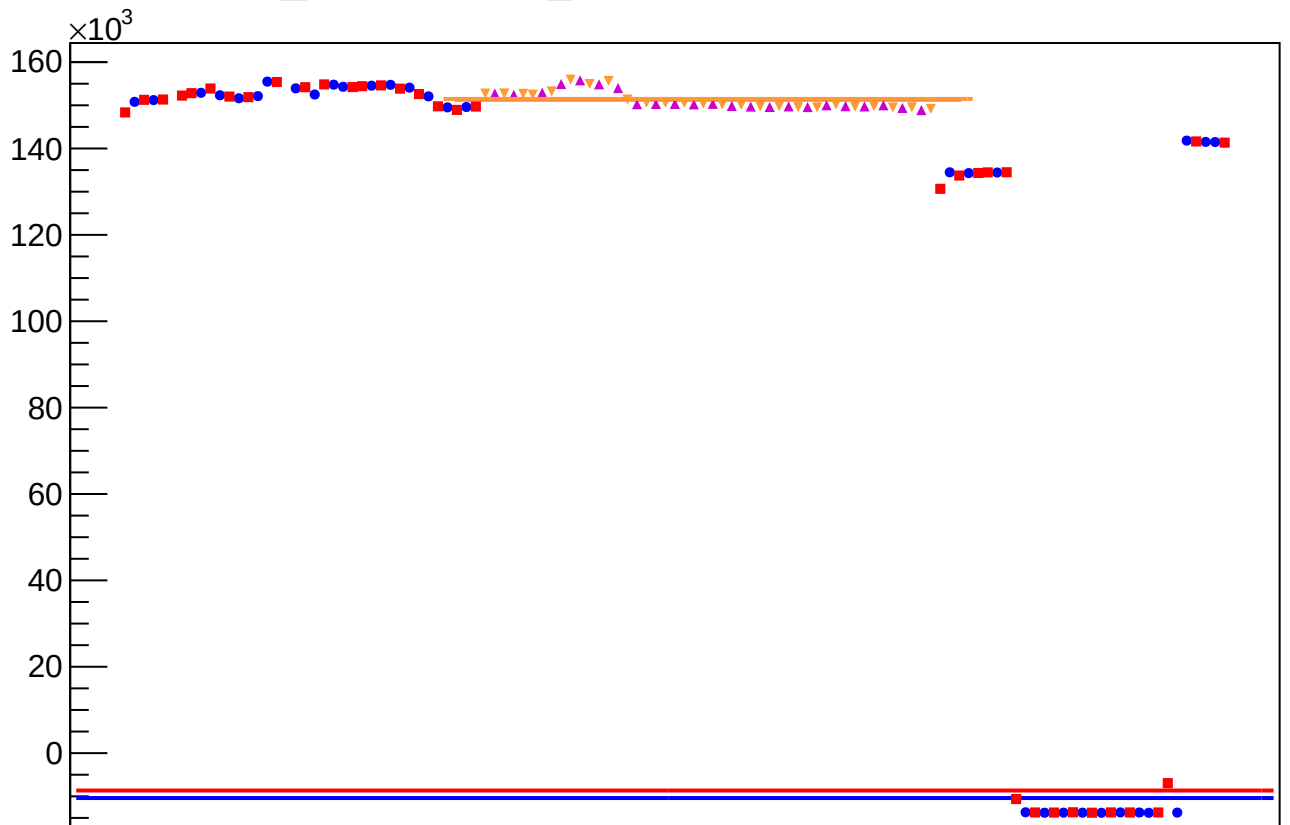
Left: 197.666+/-0.024 χ^2/NDF: 2497014.2/47

Right: 169.010+/-0.023 χ^2/NDF: 13193320.4/66

In: 186.099+/-0.024 χ^2/NDF:7851938.9/54

Out: 179.352+/-0.023 χ^2/NDF:8558381.6/59

All: 182.532+/-0.016 χ^2/NDF: 16452563.5/11



Right In: -10394.047+/-0.009 χ^2/NDF: 6385848261516.3/31

Left Out: 151480.339+/-0.049 χ^2/NDF:1483692735.3/24

Right Out: -8656.022+/-0.010 χ^2/NDF: 7509303262022.0/34

Left In: 151362.440+/-0.051 χ^2/NDF:1426782789.9/22

Left: 151423.440+/-0.036 χ^2/NDF: 2913216467.1/4

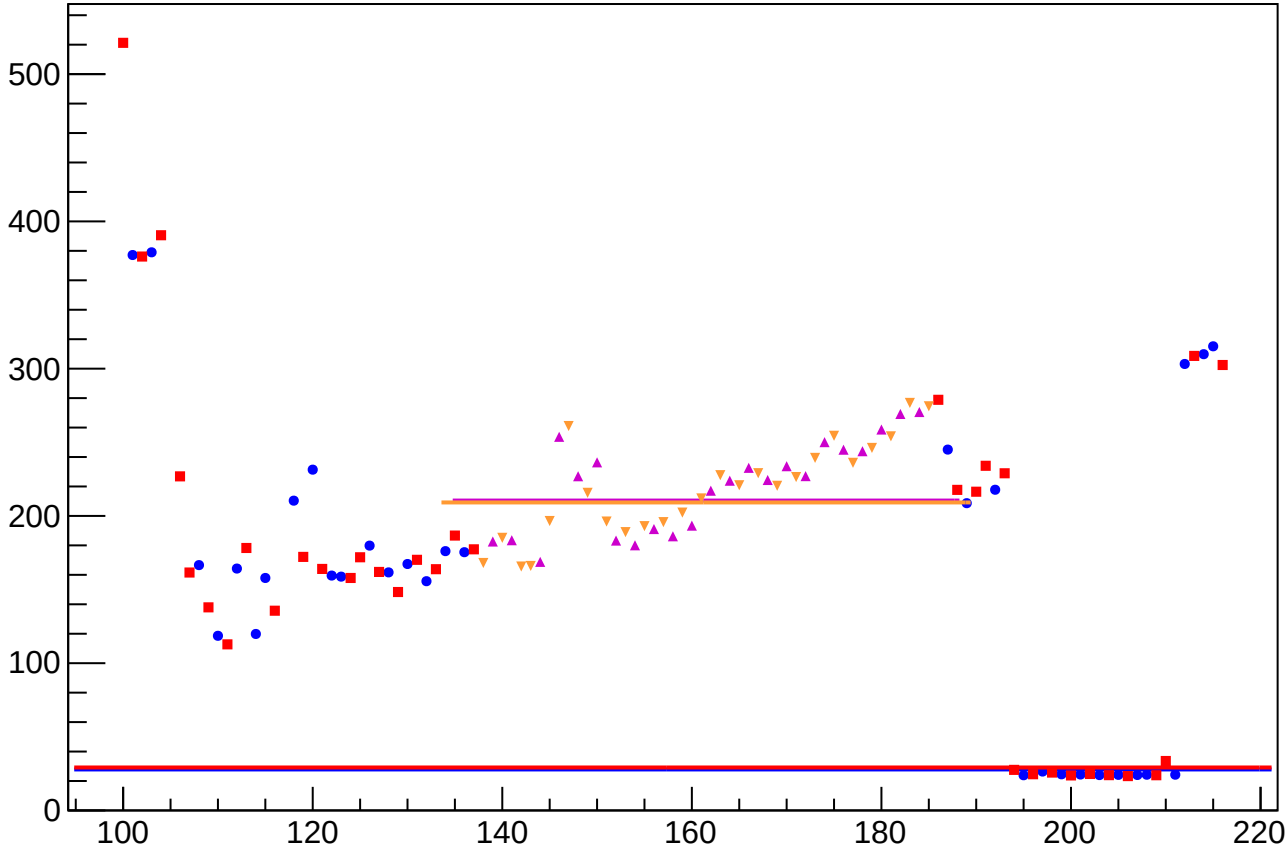
Right: -9602.660+/-0.007 χ^2/NDF: 1391144174286

In: -5351.048+/-0.009 χ^2/NDF:16048500667164.1

Out: -2309.672+/-0.010 χ^2/NDF:17573171370155

All: -3959.583+/-0.007 χ^2/NDF: 3367340640

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.846+/-0.006 χ^2/NDF: 15009203.0/31

Left Out: 209.156+/-0.035 χ^2/NDF:710094.9/24

Right Out: 29.177+/-0.007 χ^2/NDF: 15823797.3/34

Left In: 210.431+/-0.036 χ^2/NDF:684015.0/22

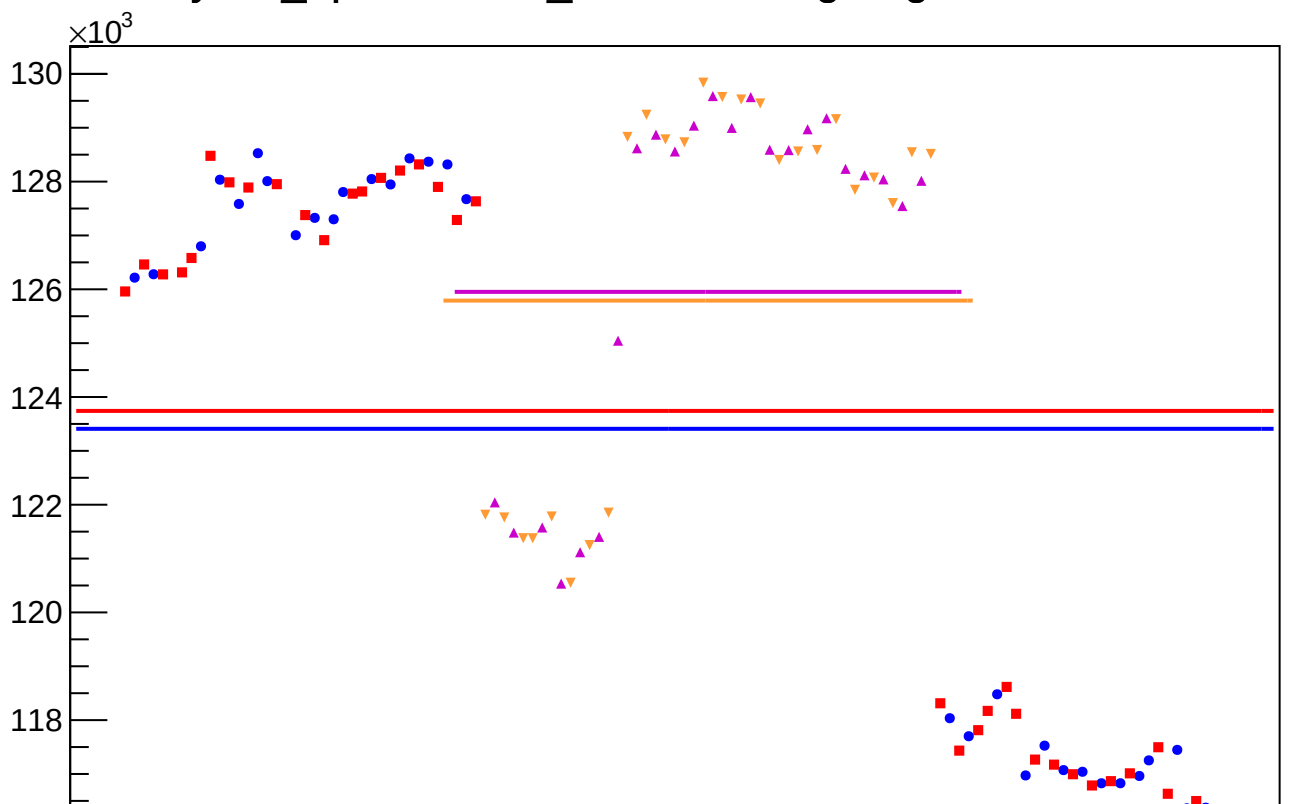
Left: 209.771+/-0.025 χ^2/NDF: 1394750.9/47

Right: 28.452+/-0.005 χ^2/NDF: 30852130.3/66

In: 33.538+/-0.006 χ^2/NDF:40312162.6/54

Out: 36.310+/-0.007 χ^2/NDF:41954818.5/59

All: 34.806+/-0.005 χ^2/NDF: 82352941.1/114



Right In: 123409.322+/-0.045 χ^2/NDF: 13495981383.3/31

Left Out: 125790.126+/-0.044 χ^2/NDF:6744310079.8/24

Right Out: 123741.699+/-0.043 χ^2/NDF: 14140864339.2/34

Left In: 125952.447+/-0.045 χ^2/NDF:5841800367.5/22

Left: 125870.001+/-0.031 χ^2/NDF: 12592819321.6/

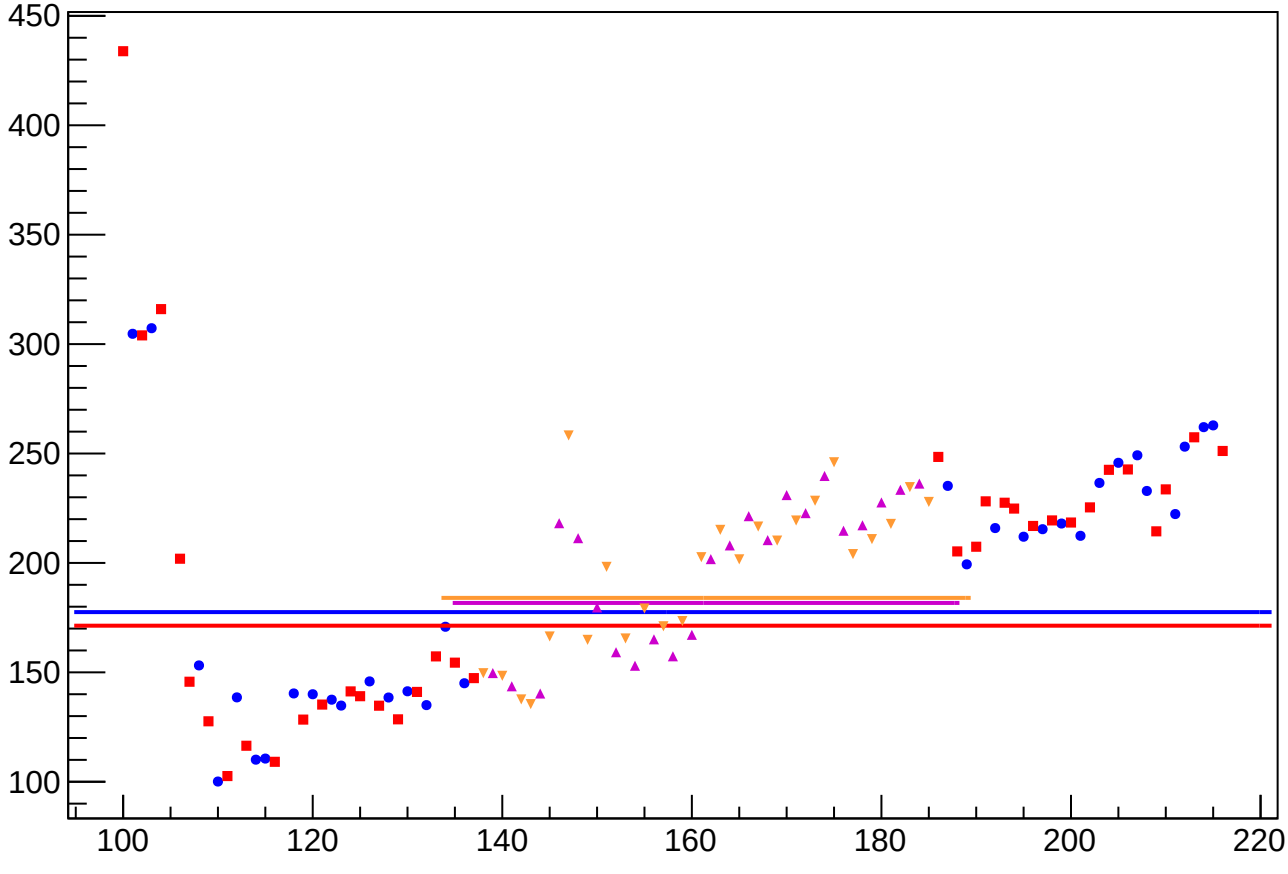
Right: 123583.370+/-0.031 χ^2/NDF: 27665479154.3

In: 124688.991+/-0.032 χ^2/NDF:20948566878.8/5

Out: 124740.189+/-0.031 χ^2/NDF:21998049604.2/

All: 124715.402+/-0.022 χ^2/NDF: 42947963

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 177.529+/-0.032 χ^2/NDF: 2760200.6/31

Left Out: 184.029+/-0.031 χ^2/NDF:1126592.5/24

Right Out: 171.319+/-0.030 χ^2/NDF: 3121197.2/34

Left In: 181.714+/-0.032 χ^2/NDF:1116142.0/22

Left: 182.890+/-0.022 χ^2/NDF: 2245464.4/47

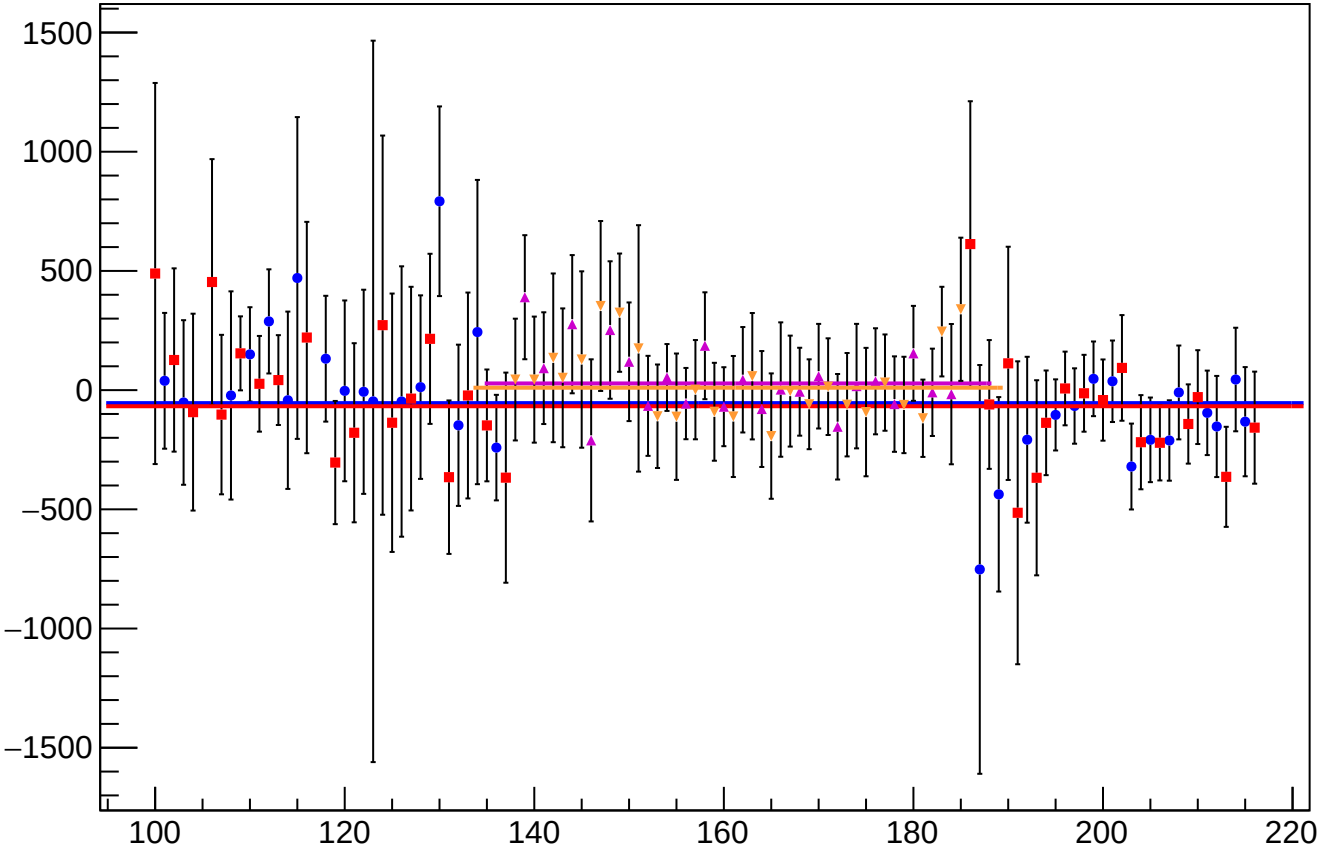
Right: 174.277+/-0.022 χ^2/NDF: 5901390.5/66

In: 179.635+/-0.022 χ^2/NDF:3885066.6/54

Out: 177.514+/-0.022 χ^2/NDF:4333487.0/59

All: 178.541+/-0.016 χ^2/NDF: 8223175.4/114

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -54.529+/-42.624 χ^2/NDF: 17.3/31

Left Out: 10.078+/-47.488 χ^2/NDF:8.5/24

Right Out: -67.618+/-42.370 χ^2/NDF: 15.3/34

Left In: 28.050+/-44.573 χ^2/NDF:7.0/22

Left: 19.632+/-32.499 χ^2/NDF: 15.5/47

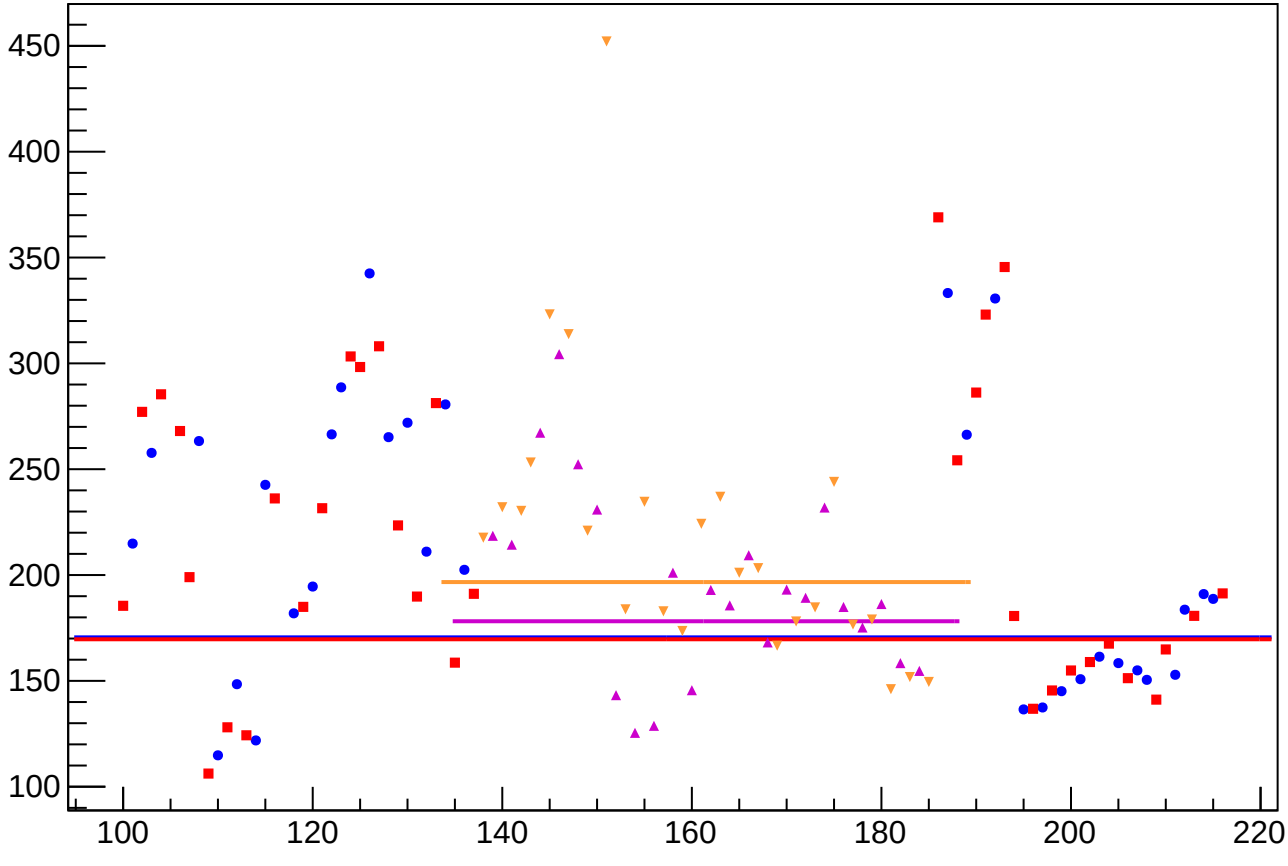
Right: -61.113+/-30.049 χ^2/NDF: 32.7/66

In: -15.084+/-30.806 χ^2/NDF:26.1/54

Out: -33.182+/-31.615 χ^2/NDF:25.2/59

All: -23.898+/-22.064 χ^2/NDF: 51.5/114

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 170.555+/-0.030 χ^2/NDF: 2178460.3/31

Left Out: 196.682+/-0.034 χ^2/NDF:1782715.7/24

Right Out: 169.651+/-0.030 χ^2/NDF: 2863682.3/34

Left In: 178.166+/-0.032 χ^2/NDF:1618967.9/22

Left: 186.838+/-0.023 χ^2/NDF: 3563331.3/47

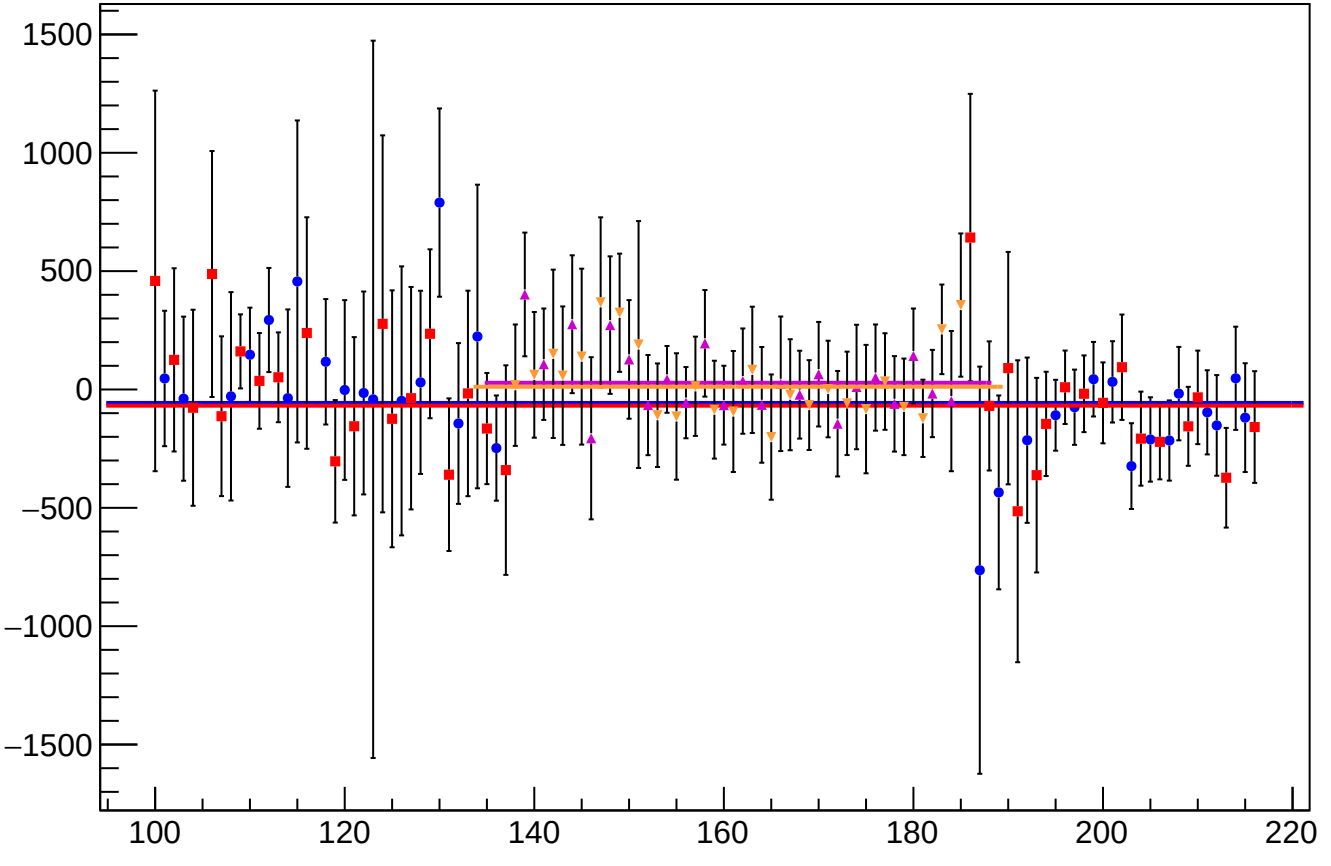
Right: 170.101+/-0.021 χ^2/NDF: 5042595.0/66

In: 174.190+/-0.022 χ^2/NDF:3827882.3/54

Out: 181.632+/-0.022 χ^2/NDF:5007175.9/59

All: 177.815+/-0.016 χ^2/NDF: 8891894.2/114

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -56.870+/-42.816 χ^2/NDF: 17.3/31

Left Out: 11.479+/-47.819 χ^2/NDF:8.8/24

Right Out: -68.377+/-42.574 χ^2/NDF: 15.7/34

Left In: 28.280+/-44.863 χ^2/NDF:7.1/22

Left: 20.415+/-32.718 χ^2/NDF: 16.0/47

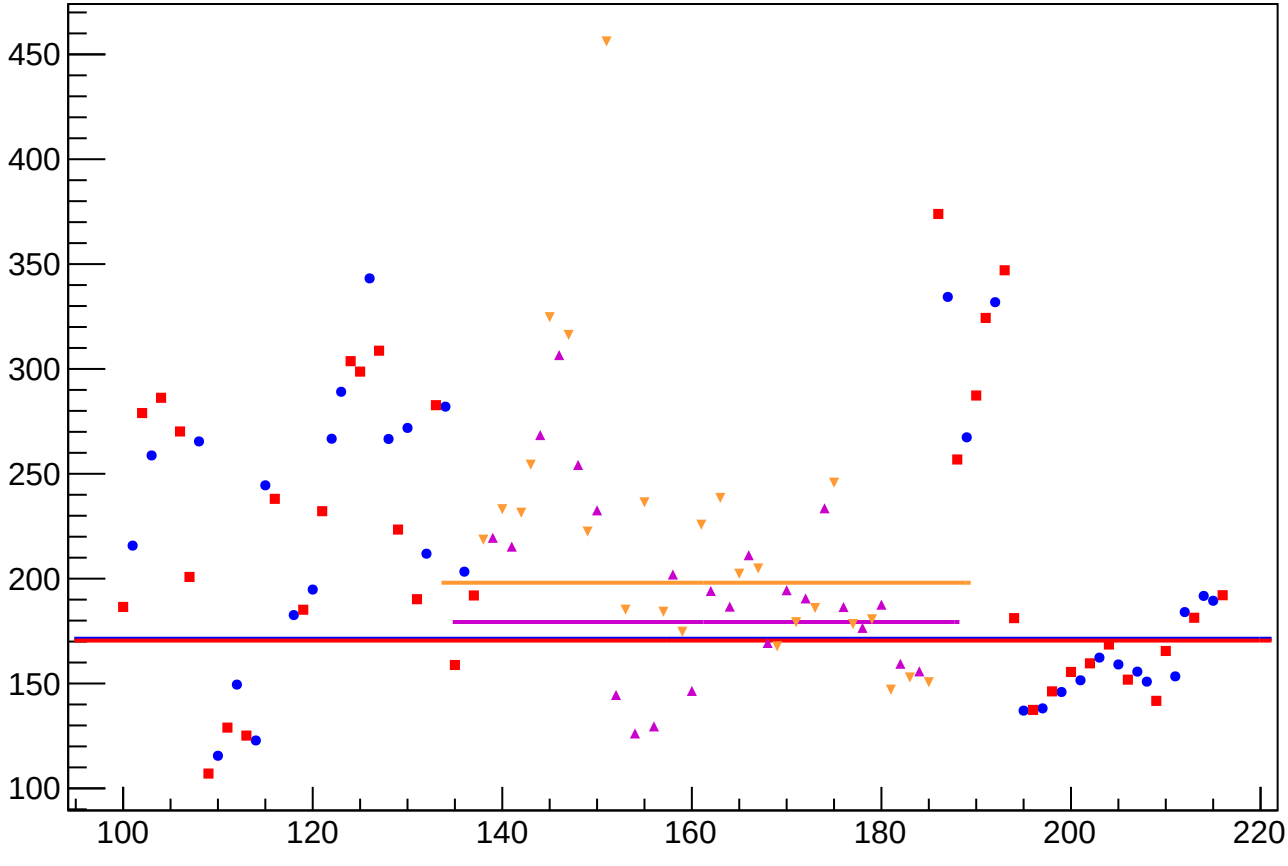
Right: -62.656+/-30.190 χ^2/NDF: 33.0/66

In: -16.282+/-30.974 χ^2/NDF:26.2/54

Out: -33.067+/-31.798 χ^2/NDF:26.1/59

All: -24.454+/-22.187 χ^2/NDF: 52.5/114

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 171.344+/-0.030 χ^2/NDF: 2169615.5/31

Left Out: 198.059+/-0.034 χ^2/NDF:1778526.5/24

Right Out: 170.481+/-0.030 χ^2/NDF: 2859277.6/34

Left In: 179.324+/-0.032 χ^2/NDF:1618266.2/22

Left: 188.094+/-0.023 χ^2/NDF: 3560073.1/47

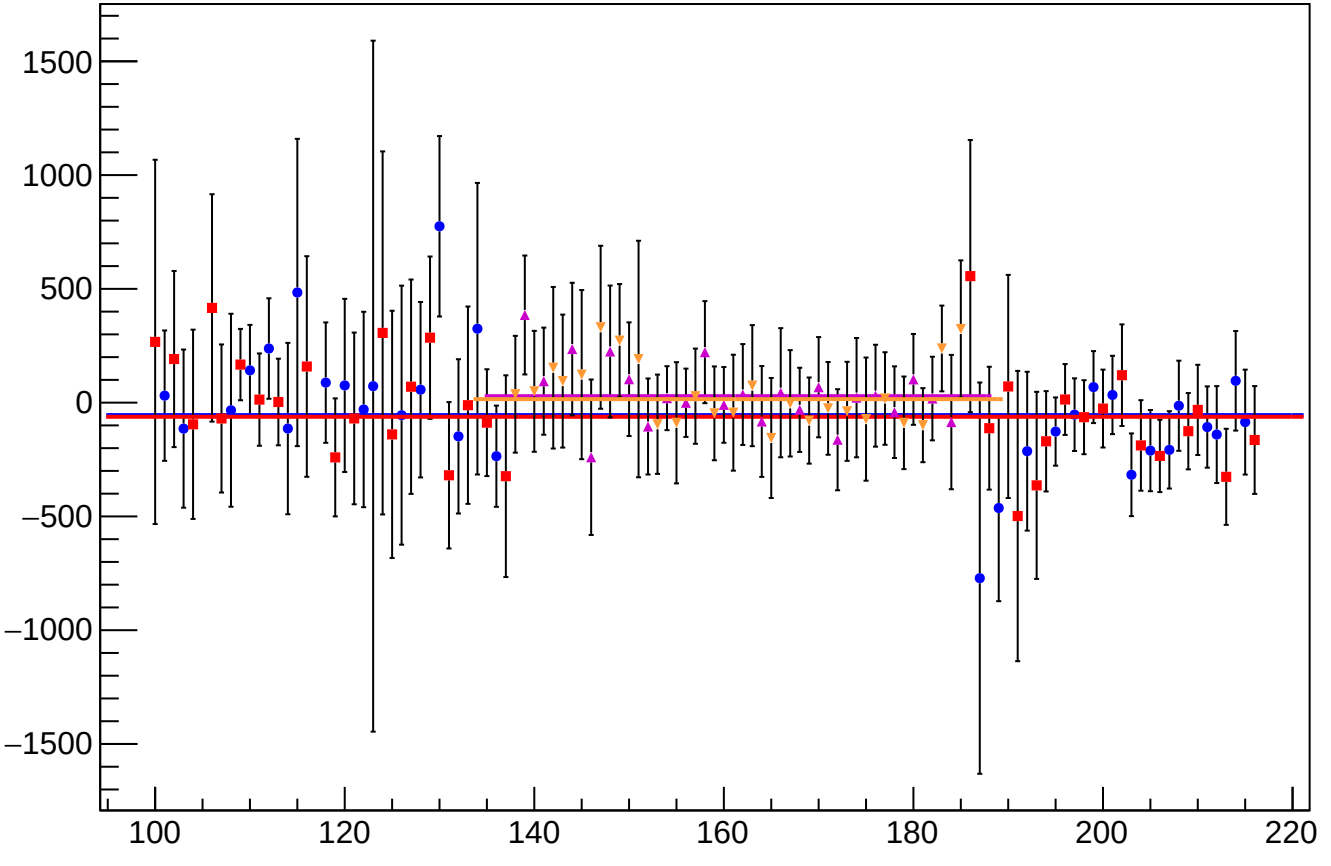
Right: 170.910+/-0.021 χ^2/NDF: 5029301.9/66

In: 175.148+/-0.022 χ^2/NDF:3820993.3/54

Out: 182.675+/-0.022 χ^2/NDF:5008867.5/59

All: 178.813+/-0.016 χ^2/NDF: 8887369.2/114

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -54.766+/-42.902 χ^2/NDF: 16.9/31

Left Out: 15.437+/-47.695 χ^2/NDF:7.0/24

Right Out: -62.206+/-42.609 χ^2/NDF: 13.7/34

Left In: 28.277+/-44.743 χ^2/NDF:6.4/22

Left: 22.267+/-32.632 χ^2/NDF: 13.4/47

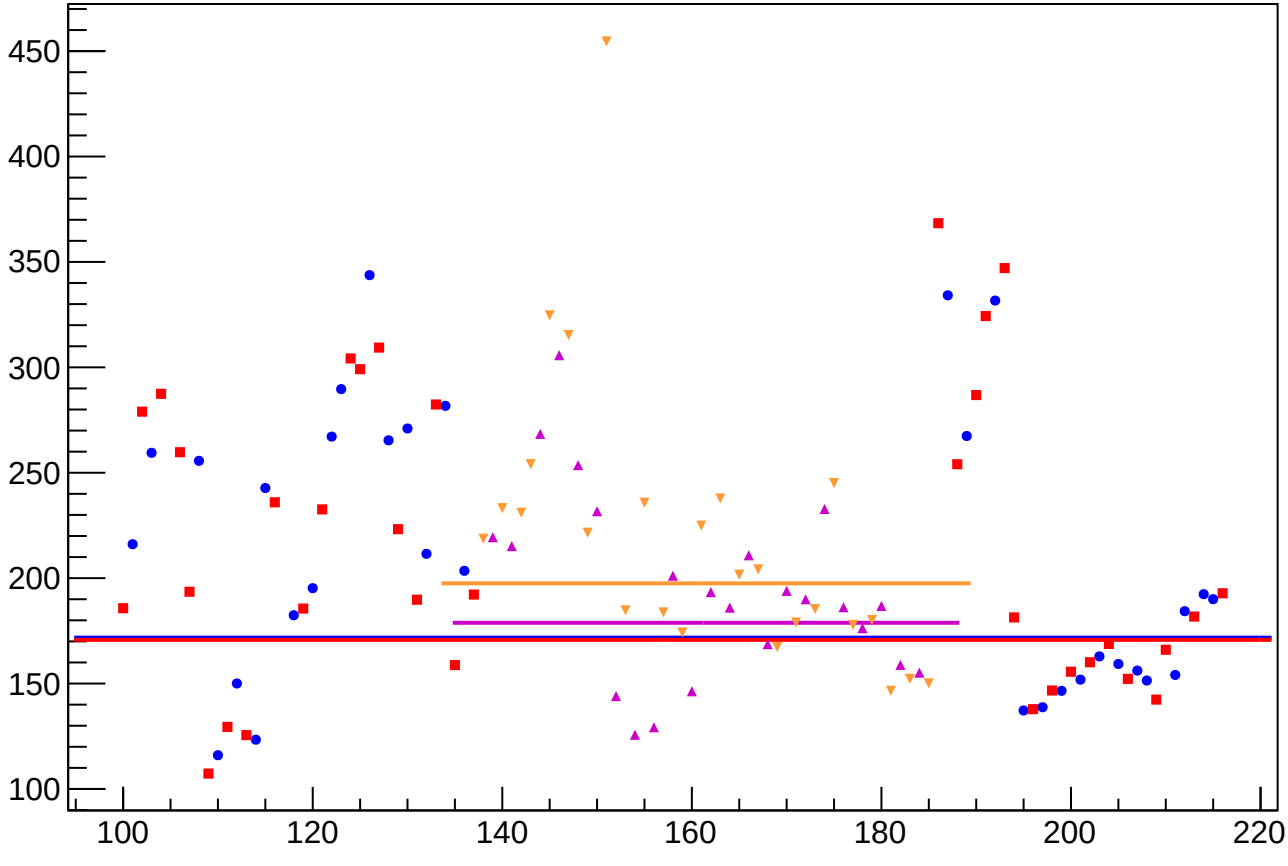
Right: -58.512+/-30.232 χ^2/NDF: 30.7/66

In: -14.988+/-30.967 χ^2/NDF:25.1/54

Out: -27.744+/-31.775 χ^2/NDF:22.2/59

All: -21.202+/-22.177 χ^2/NDF: 47.3/114

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 171.777+/-0.030 χ^2/NDF: 2137204.4/31

Left Out: 197.527+/-0.034 χ^2/NDF:1784225.5/24

Right Out: 170.739+/-0.030 χ^2/NDF: 2812340.8/34

Left In: 178.836+/-0.032 χ^2/NDF:1622266.9/22

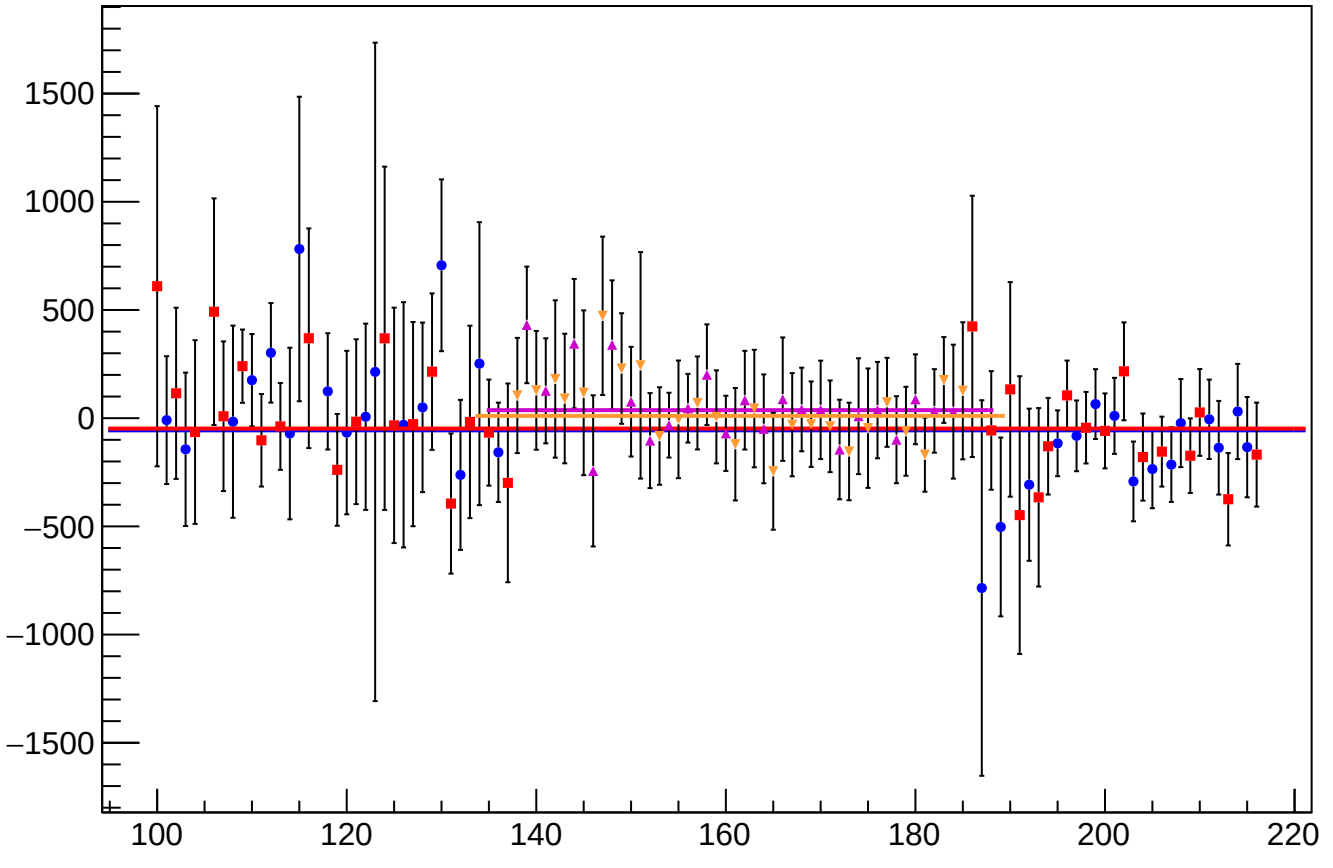
Left: 187.585+/-0.023 χ^2/NDF: 3569877.1/47

Right: 171.254+/-0.021 χ^2/NDF: 4950134.1/66

In: 175.158+/-0.022 χ^2/NDF:3785406.3/54

Out: 182.629+/-0.022 χ^2/NDF:4947449.5/59

All: 178.797+/-0.016 χ^2/NDF: 8789565.1/114



Right In: -56.199+/-43.815 χ^2/NDF: 17.4/31

Left Out: 10.534+/-49.197 χ^2/NDF:7.5/24

Right Out: -47.998+/-43.715 χ^2/NDF: 16.6/34

Left In: 37.000+/-46.358 χ^2/NDF:7.9/22

Left: 24.553+/-33.739 χ^2/NDF: 15.5/47

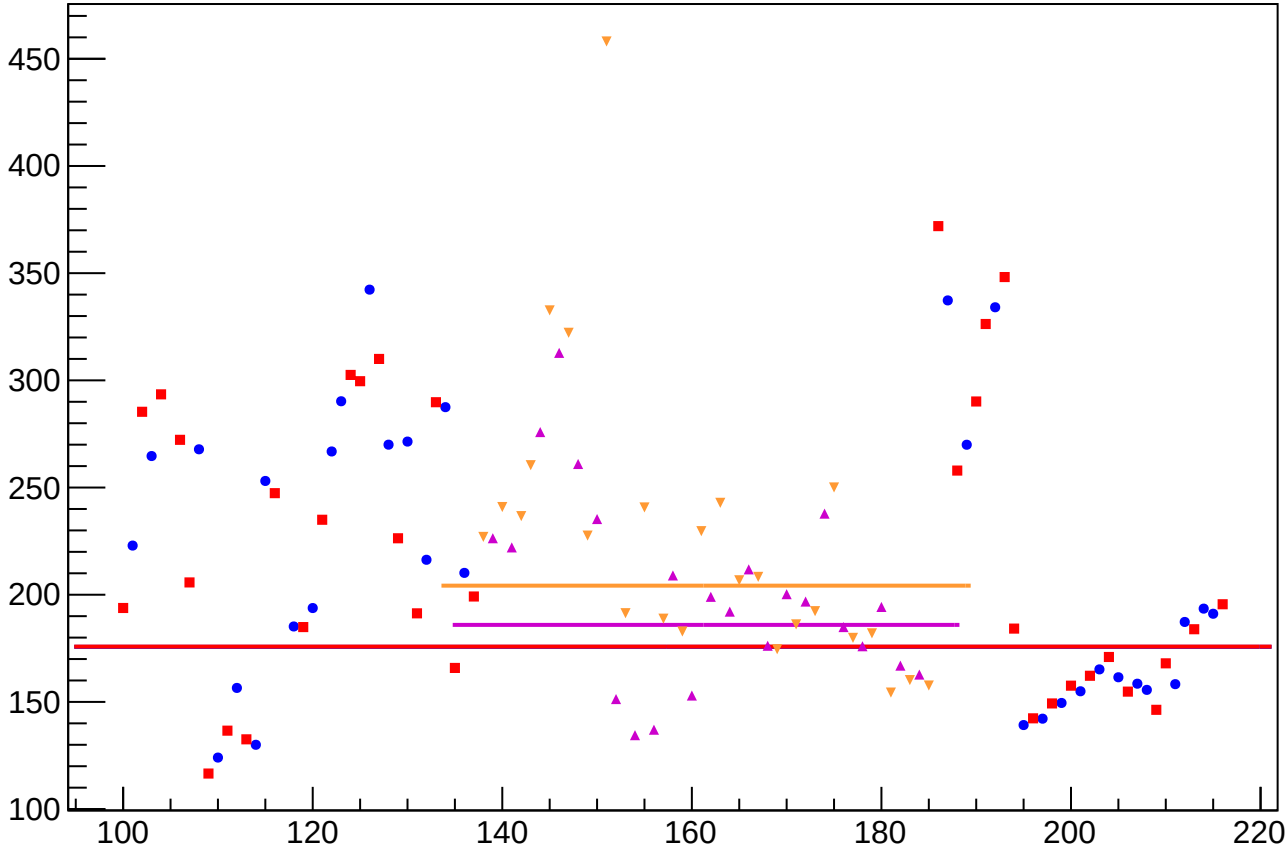
Right: -52.089+/-30.946 χ^2/NDF: 34.0/66

In: -12.226+/-31.843 χ^2/NDF:27.4/54

Out: -22.173+/-32.678 χ^2/NDF:24.9/59

All: -17.071+/-22.806 χ^2/NDF: 52.3/114

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 175.690+/-0.031 χ^2/NDF: 2052887.0/31

Left Out: 204.236+/-0.035 χ^2/NDF:1675666.0/24

Right Out: 175.802+/-0.031 χ^2/NDF: 2626003.5/34

Left In: 185.931+/-0.033 χ^2/NDF:1460065.0/22

Left: 194.540+/-0.024 χ^2/NDF: 3282383.3/47

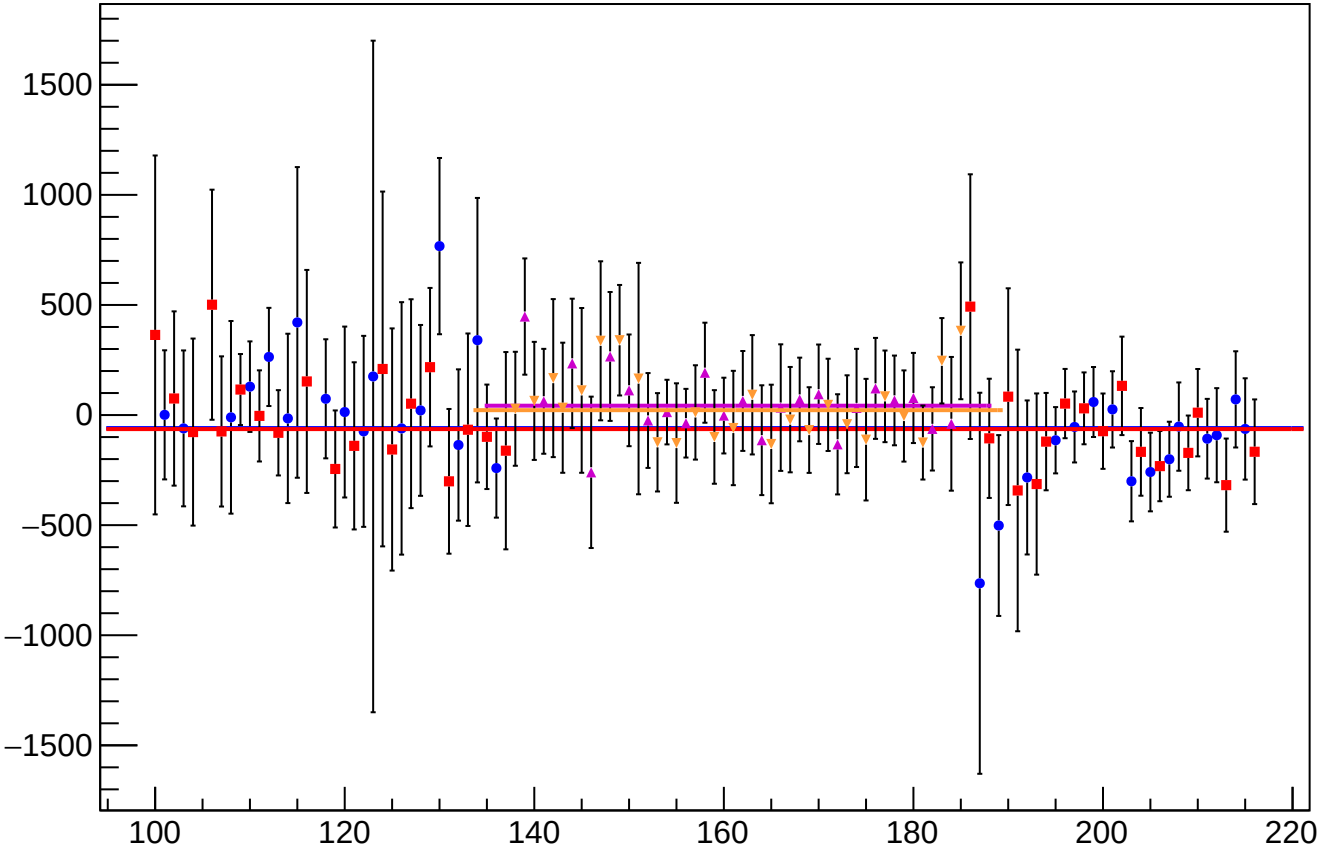
Right: 175.746+/-0.022 χ^2/NDF: 4678897.0/66

In: 180.522+/-0.023 χ^2/NDF:3564506.0/54

Out: 188.347+/-0.023 χ^2/NDF:4674998.9/59

All: 184.333+/-0.016 χ^2/NDF: 8298324.4/114

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -59.173+/-43.275 χ^2/NDF: 16.5/31

Left Out: 22.189+/-48.738 χ^2/NDF:8.4/24

Right Out: -63.788+/-43.051 χ^2/NDF: 11.8/34

Left In: 42.446+/-45.861 χ^2/NDF:6.7/22

Left: 32.933+/-33.399 χ^2/NDF: 15.2/47

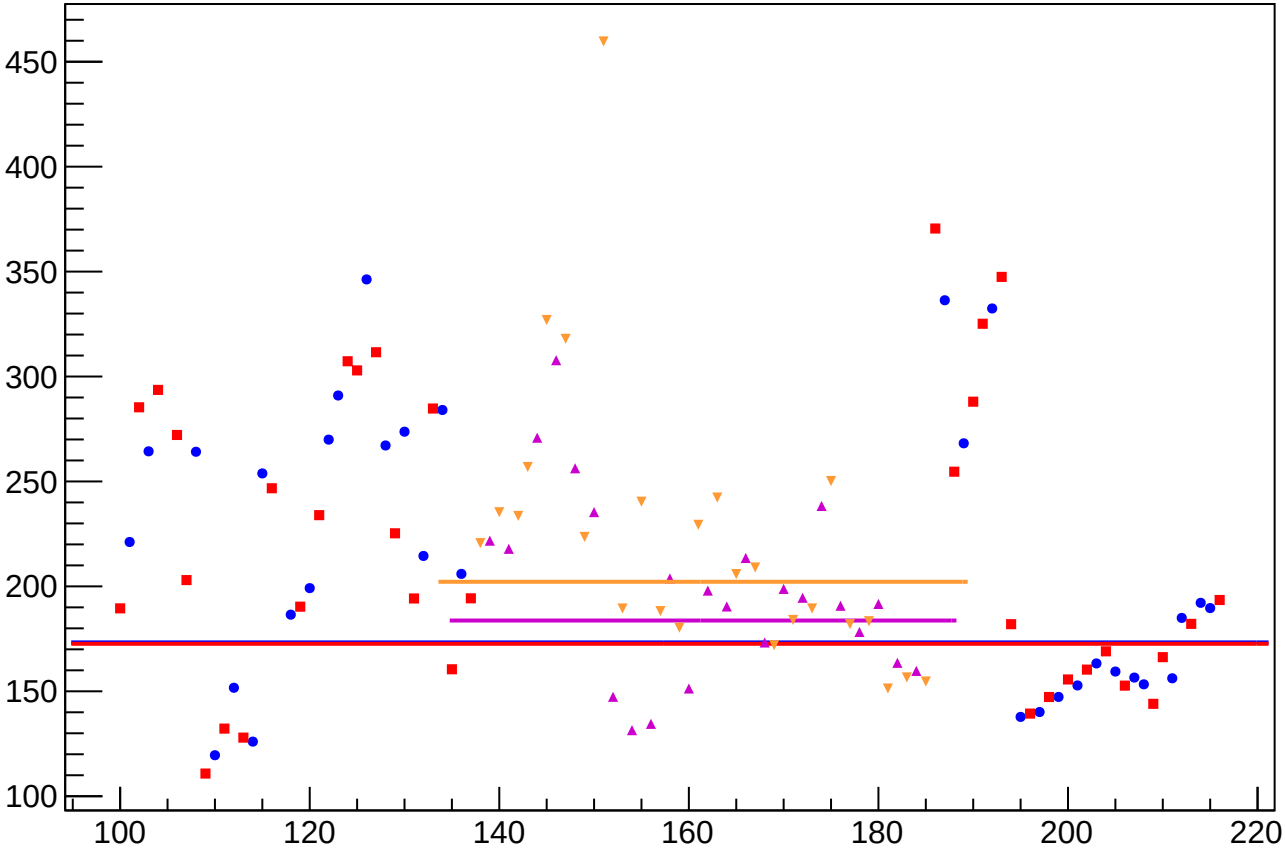
Right: -61.492+/-30.521 χ^2/NDF: 28.3/66

In: -11.309+/-31.474 χ^2/NDF:25.8/54

Out: -26.106+/-32.266 χ^2/NDF:21.9/59

All: -18.524+/-22.530 χ^2/NDF: 47.8/114

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 173.296+/-0.031 χ^2/NDF: 2138181.9/31

Left Out: 202.186+/-0.034 χ^2/NDF:1696571.9/24

Right Out: 172.647+/-0.030 χ^2/NDF: 2788985.3/34

Left In: 183.732+/-0.032 χ^2/NDF:1495930.4/22

Left: 192.398+/-0.024 χ^2/NDF: 3344580.1/47

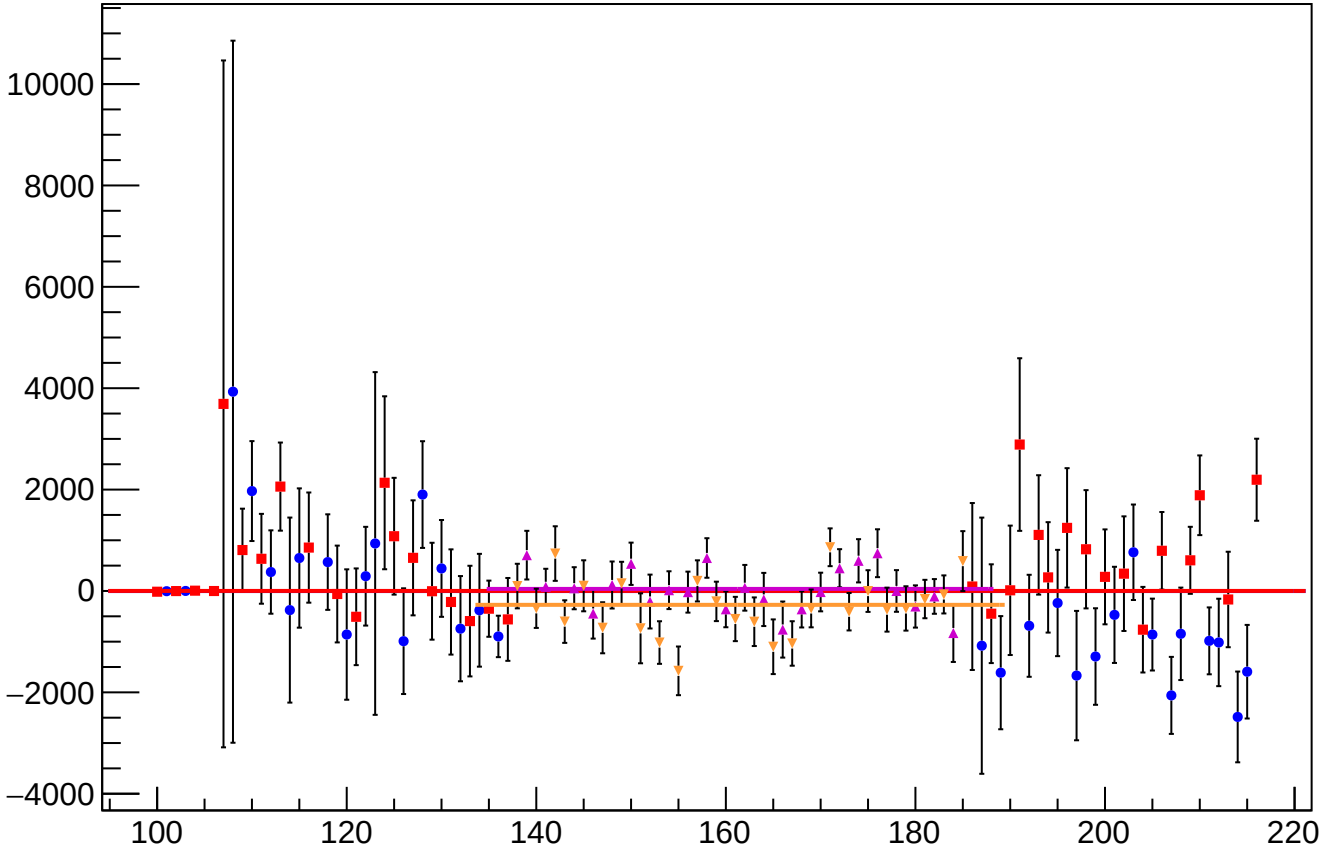
Right: 172.970+/-0.022 χ^2/NDF: 4927393.4/66

In: 178.212+/-0.022 χ^2/NDF:3688895.1/54

Out: 185.593+/-0.023 χ^2/NDF:4898222.7/59

All: 181.811+/-0.016 χ^2/NDF: 8640755.4/114

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.627+/-2.251 χ^2/NDF: 48.1/31

Left Out: -273.664+/-86.869 χ^2/NDF:38.3/24

Right Out: 0.782+/-2.111 χ^2/NDF: 39.9/34

Left In: 40.480+/-87.470 χ^2/NDF:20.2/22

Left: -117.675+/-61.637 χ^2/NDF: 65.0/47

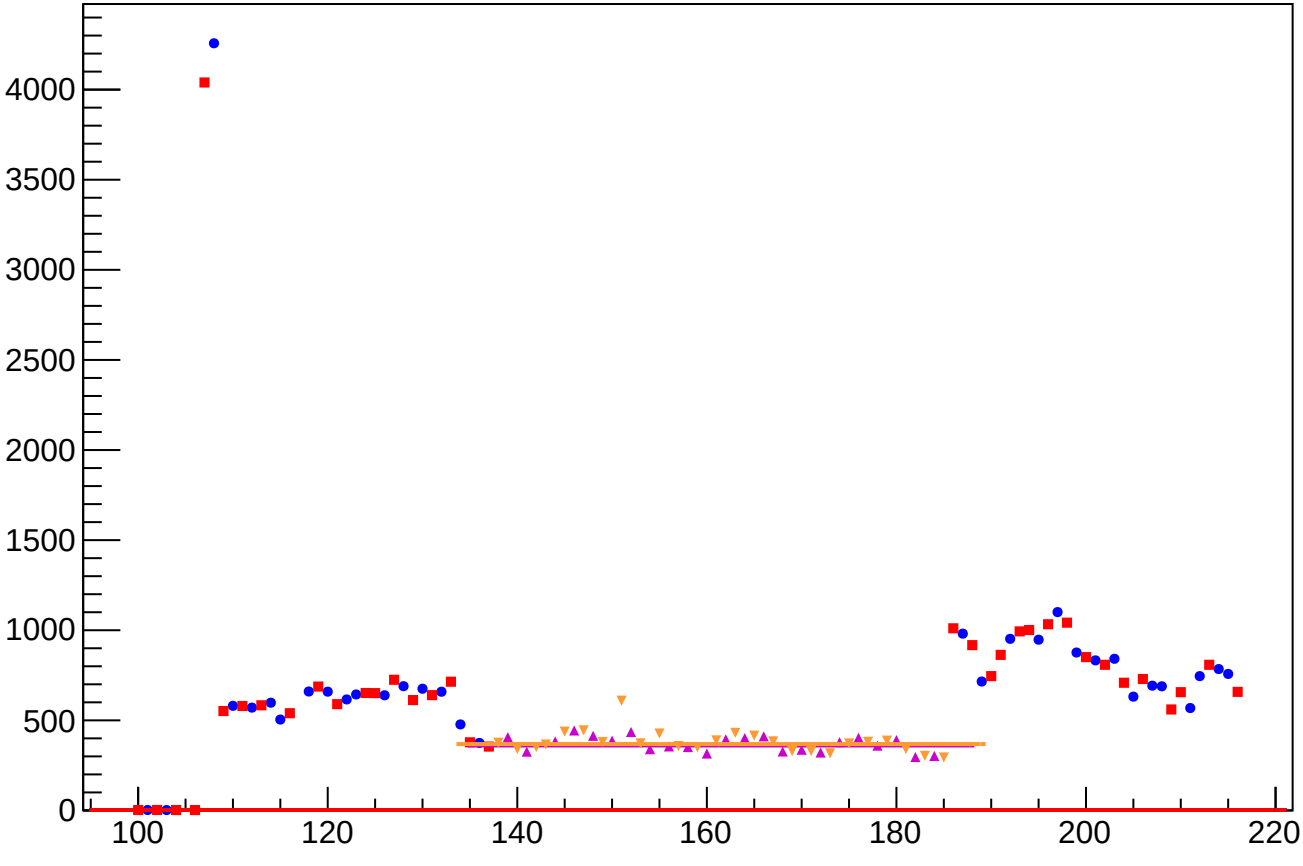
Right: -0.345+/-1.540 χ^2/NDF: 88.6/66

In: -1.599+/-2.251 χ^2/NDF:68.5/54

Out: 0.620+/-2.110 χ^2/NDF:88.2/59

All: -0.418+/-1.539 χ^2/NDF: 157.2/114

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.524+/-0.002 χ^2/NDF: 31652218.1/31

Left Out: 368.500+/-0.061 χ^2/NDF:623011.6/24

Right Out: 2.495+/-0.001 χ^2/NDF: 32465138.7/34

Left In: 360.571+/-0.062 χ^2/NDF:421995.5/22

Left: 364.563+/-0.044 χ^2/NDF: 1053279.8/47

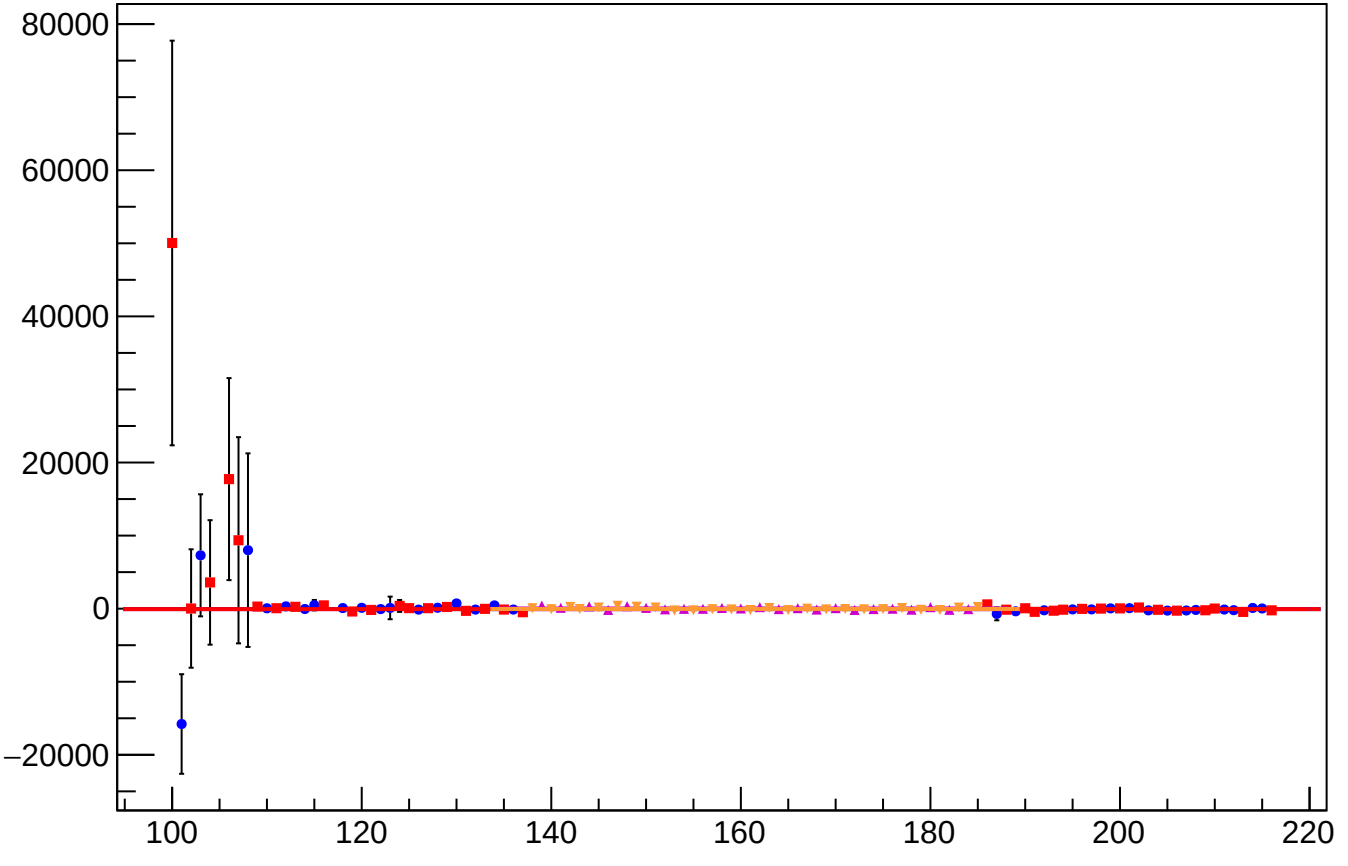
Right: 2.509+/-0.001 χ^2/NDF: 64117529.3/66

In: 2.761+/-0.002 χ^2/NDF:65563453.7/54

Out: 2.711+/-0.001 χ^2/NDF:68570647.4/59

All: 2.735+/-0.001 χ^2/NDF: 134134619.7/114

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -57.759+/-47.143 χ^2/NDF: 21.5/31

Left Out: -39.036+/-49.576 χ^2/NDF:9.1/24

Right Out: -62.329+/-47.525 χ^2/NDF: 24.7/34

Left In: 28.062+/-48.032 χ^2/NDF:9.6/22

Left: -4.426+/-34.497 χ^2/NDF: 19.7/47

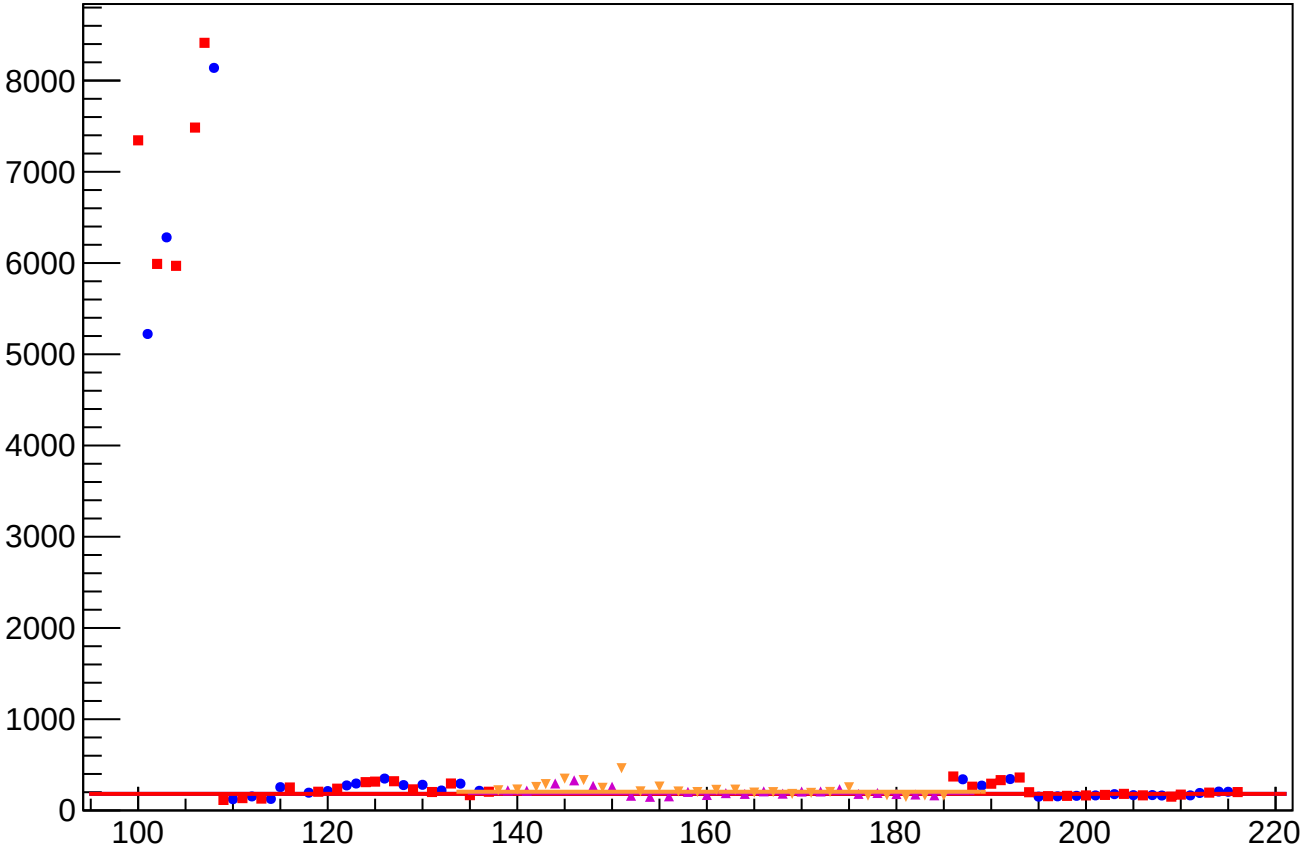
Right: -60.026+/-33.469 χ^2/NDF: 46.2/66

In: -15.650+/-33.645 χ^2/NDF:32.7/54

Out: -51.174+/-34.307 χ^2/NDF:33.9/59

All: -33.066+/-24.021 χ^2/NDF: 67.2/114

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 181.727+/-0.033 χ^2/NDF: 4578506.6/31

Left Out: 205.114+/-0.035 χ^2/NDF:1957484.4/24

Right Out: 181.824+/-0.034 χ^2/NDF: 5438454.9/34

Left In: 193.616+/-0.034 χ^2/NDF:1179471.1/22

Left: 199.183+/-0.024 χ^2/NDF: 3192443.5/47

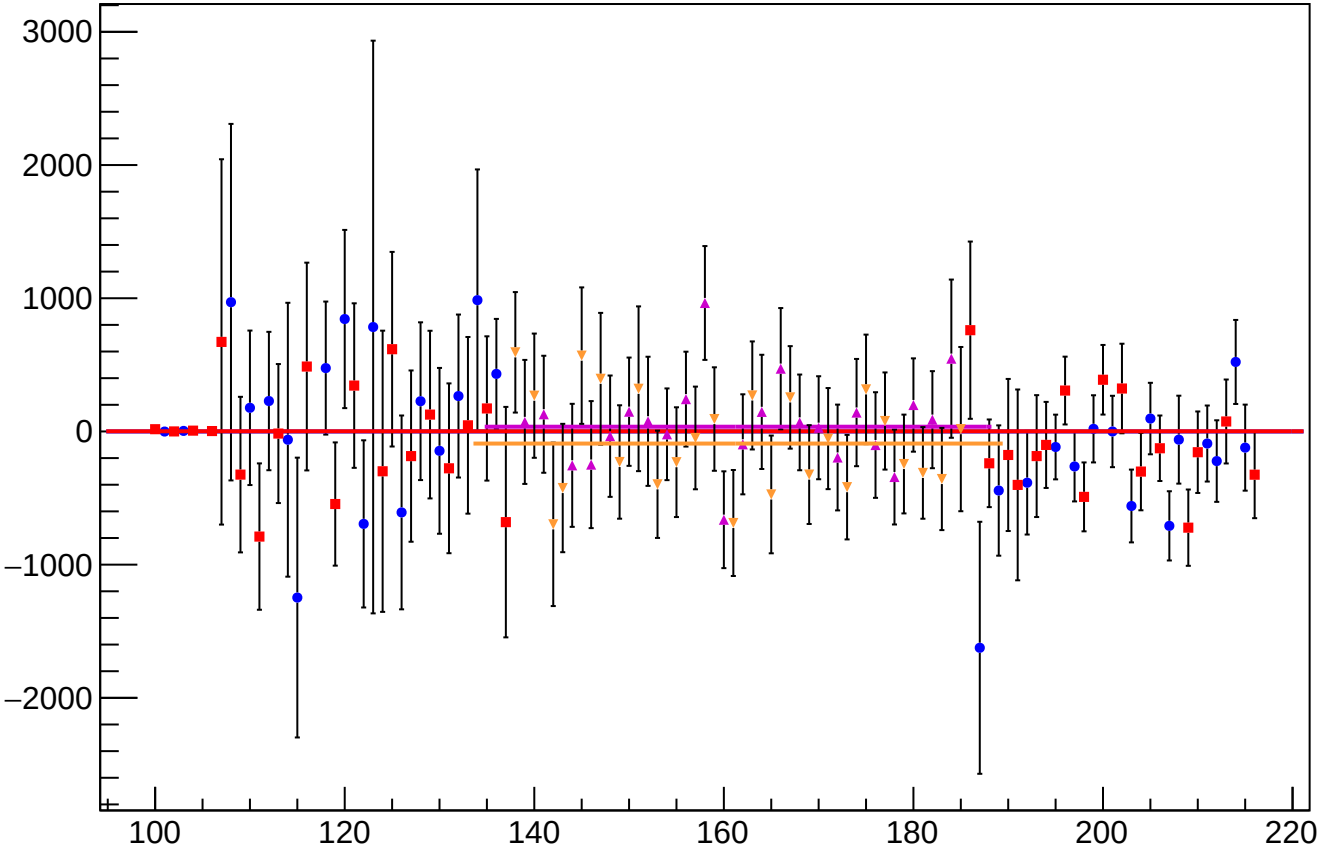
Right: 181.775+/-0.024 χ^2/NDF: 10016965.8/66

In: 187.561+/-0.024 χ^2/NDF:5820388.5/54

Out: 192.977+/-0.024 χ^2/NDF:7625948.5/59

All: 190.216+/-0.017 χ^2/NDF: 13471750.7/11

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.226+/-1.736 χ^2/NDF: 31.4/31

Left Out: -90.945+/-84.079 χ^2/NDF:16.4/24

Right Out: 1.280+/-1.622 χ^2/NDF: 29.0/34

Left In: 35.488+/-84.382 χ^2/NDF:13.4/22

Left: -27.956+/-59.560 χ^2/NDF: 31.0/47

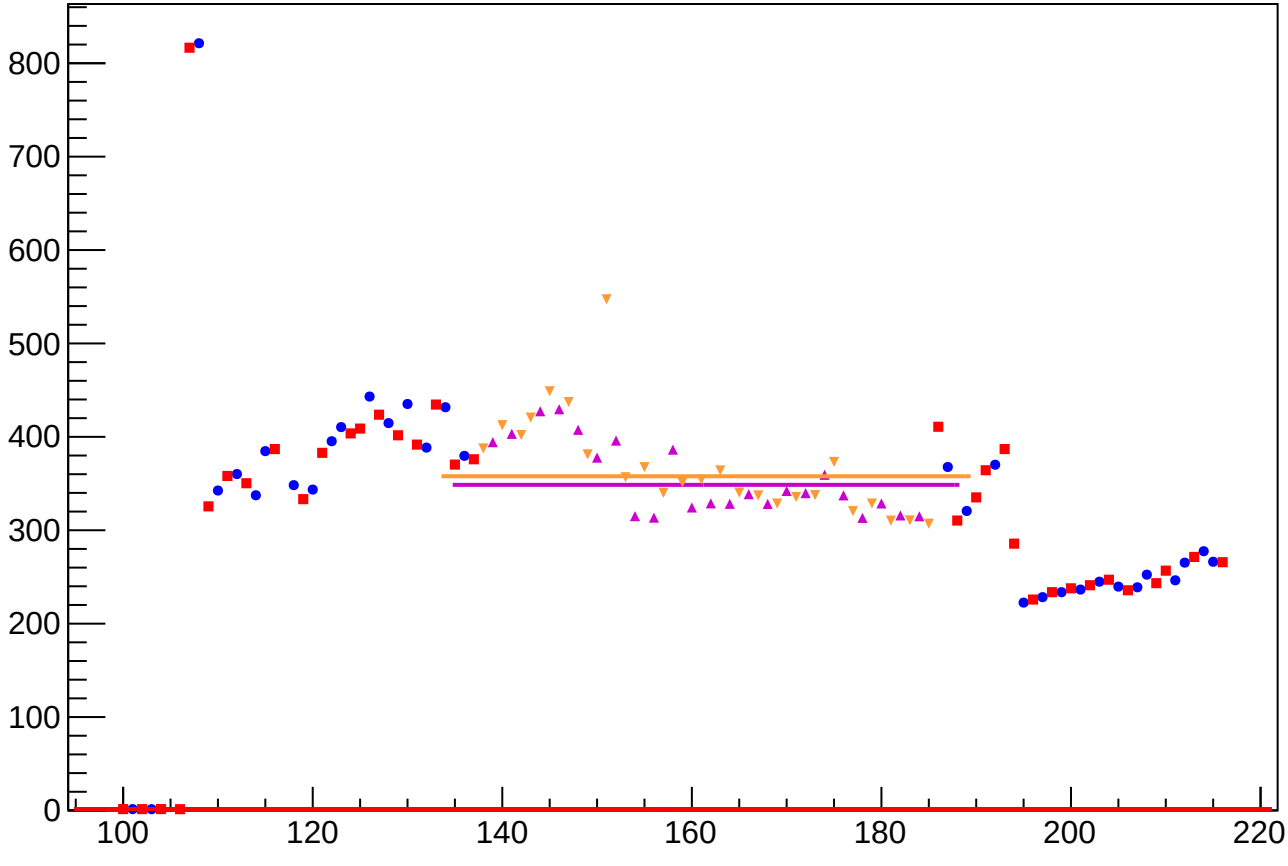
Right: 0.578+/-1.185 χ^2/NDF: 60.8/66

In: -0.211+/-1.736 χ^2/NDF:45.0/54

Out: 1.245+/-1.622 χ^2/NDF:46.6/59

All: 0.567+/-1.185 χ^2/NDF: 92.0/114

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.578+/-0.001 χ^2/NDF: 31922699.9/31

Left Out: 357.804+/-0.059 χ^2/NDF:547036.5/24

Right Out: 1.557+/-0.001 χ^2/NDF: 32169844.7/34

Left In: 348.611+/-0.060 χ^2/NDF:362511.2/22

Left: 353.224+/-0.042 χ^2/NDF: 921460.0/47

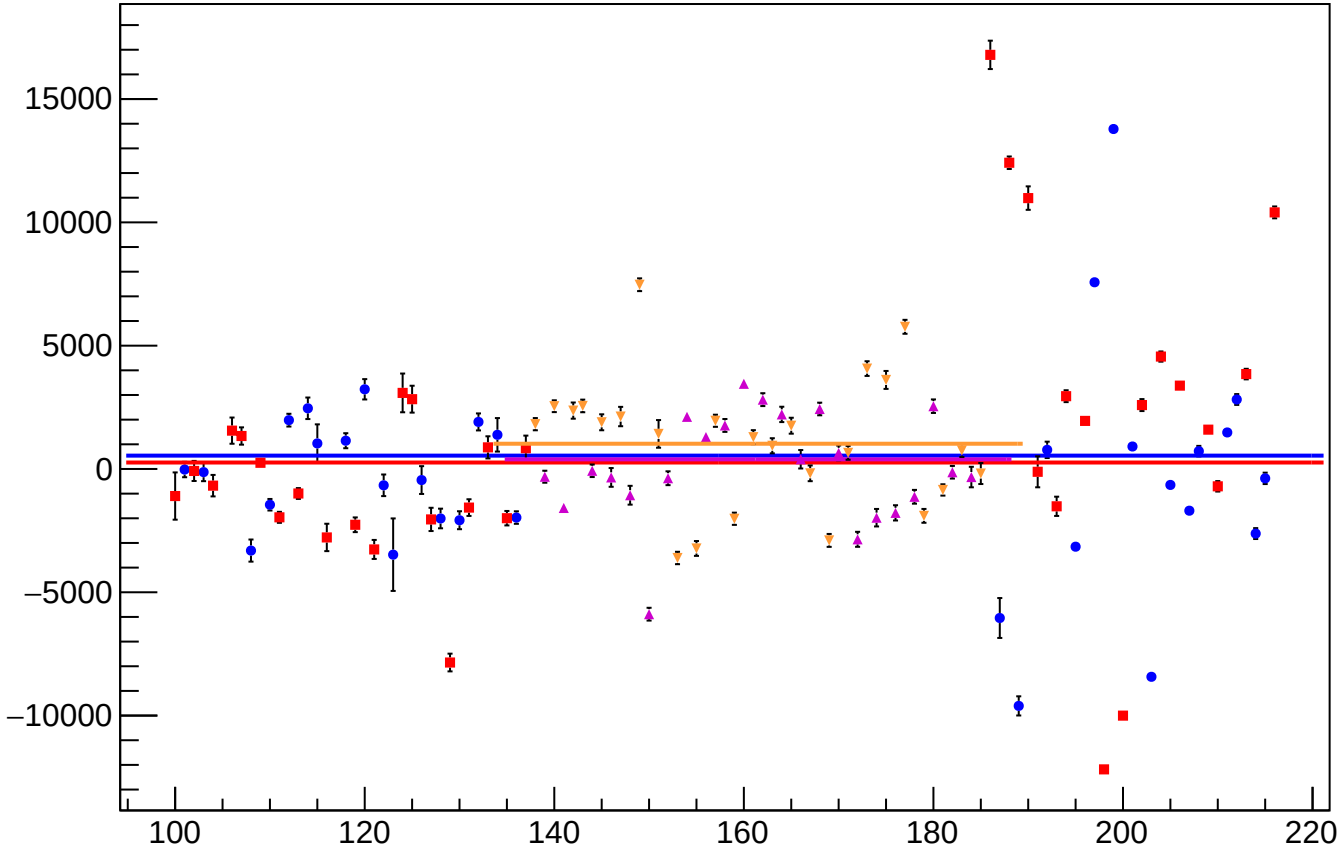
Right: 1.567+/-0.001 χ^2/NDF: 64092697.5/66

In: 1.724+/-0.001 χ^2/NDF:66098353.2/54

Out: 1.689+/-0.001 χ^2/NDF:68609163.6/59

All: 1.706+/-0.001 χ^2/NDF: 134707952.2/114

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 541.134+/-46.651 χ^2/NDF: 11358.9/31

Left Out: 1023.439+/-57.338 χ^2/NDF:2309.4/24

Right Out: 261.790+/-46.276 χ^2/NDF: 15523.8/34

Left In: 390.237+/-54.931 χ^2/NDF:1584.9/22

Left: 693.270+/-39.666 χ^2/NDF: 3957.9/47

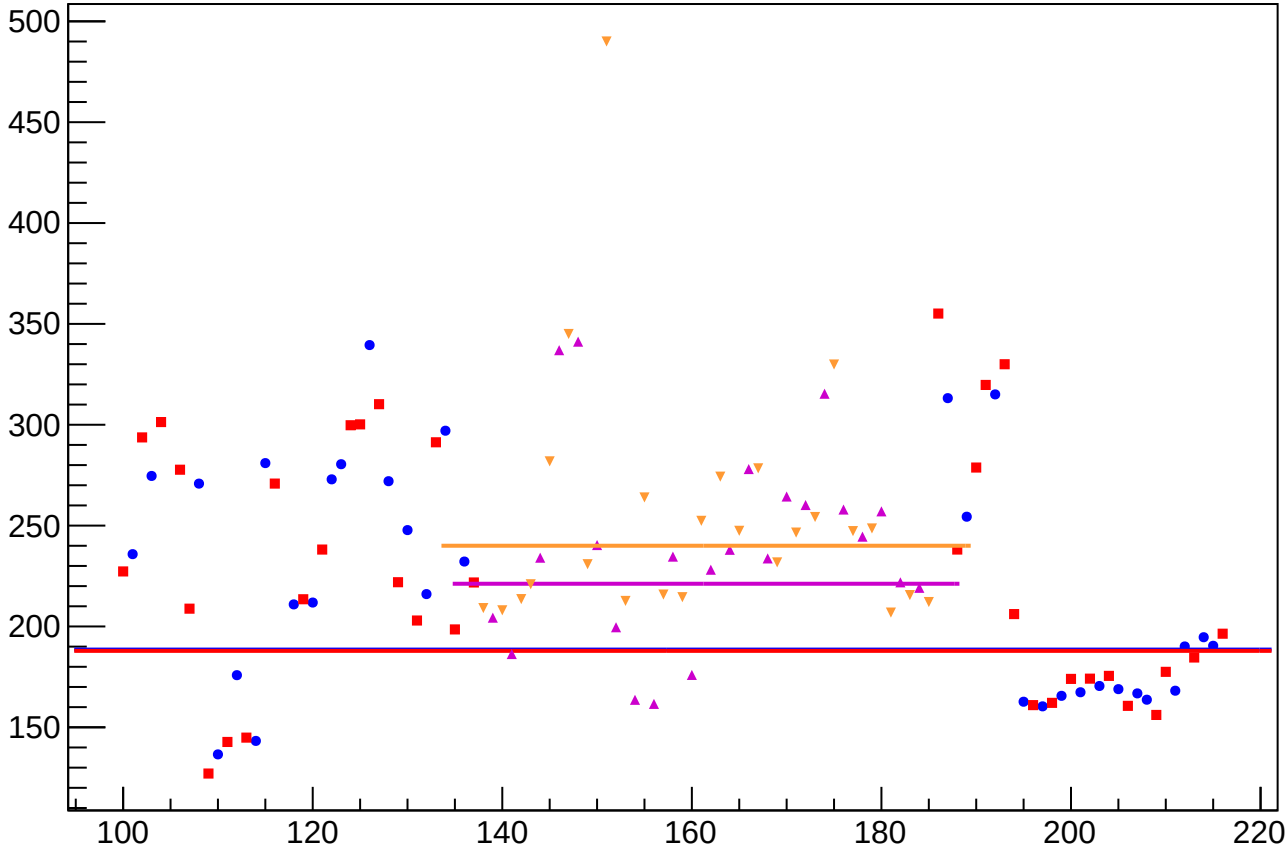
Right: 400.333+/-32.854 χ^2/NDF: 26900.7/66

In: 477.904+/-35.558 χ^2/NDF:12948.2/54

Out: 562.212+/-36.011 χ^2/NDF:17940.0/59

All: 519.525+/-25.302 χ^2/NDF: 30891.0/114

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 188.534+/-0.033 χ^2/NDF: 1544363.5/31

Left Out: 240.019+/-0.041 χ^2/NDF:1002427.9/24

Right Out: 187.901+/-0.033 χ^2/NDF: 2124374.0/34

Left In: 221.173+/-0.039 χ^2/NDF:1342517.8/22

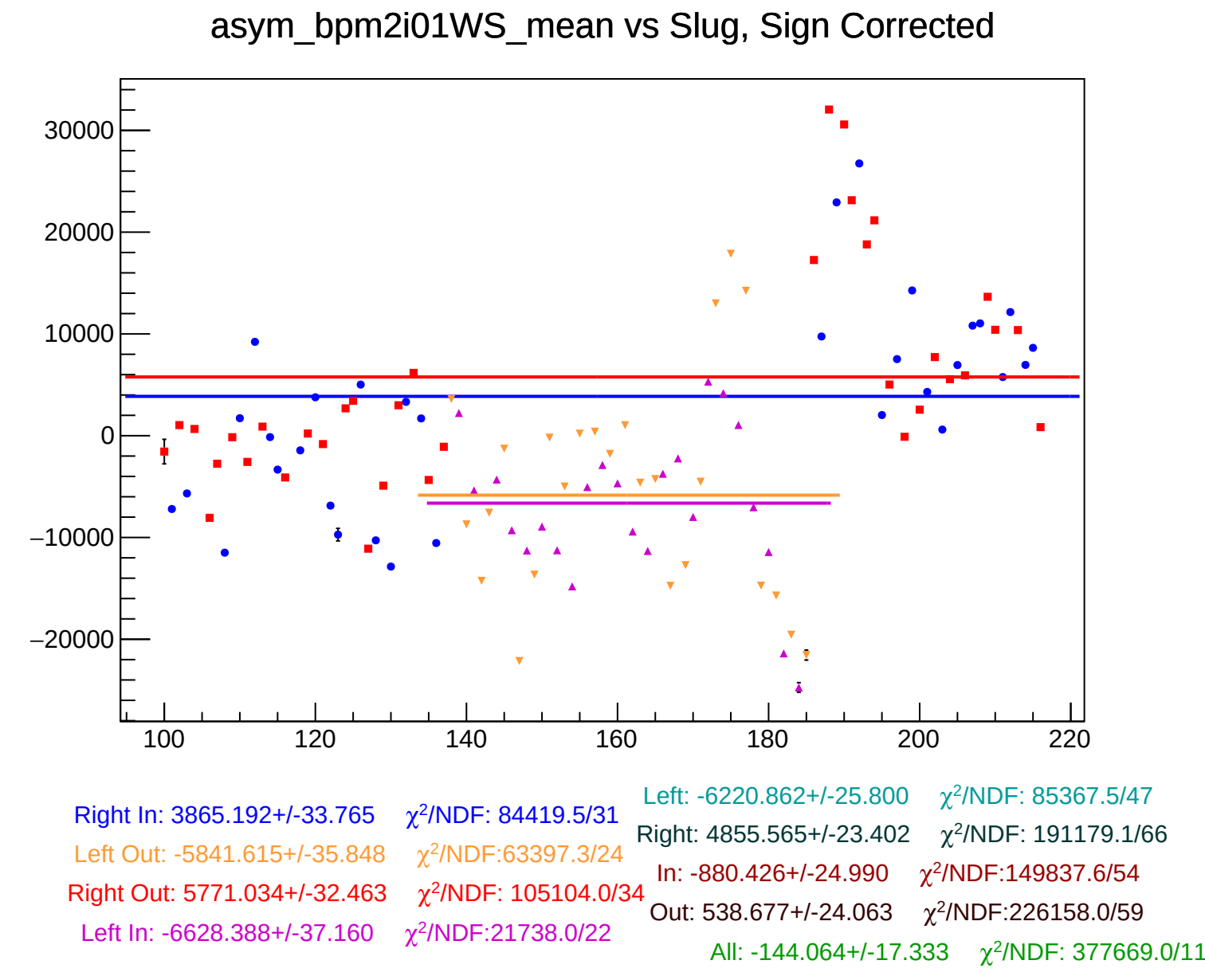
Left: 230.192+/-0.028 χ^2/NDF: 2457612.6/47

Right: 188.215+/-0.023 χ^2/NDF: 3668923.2/66

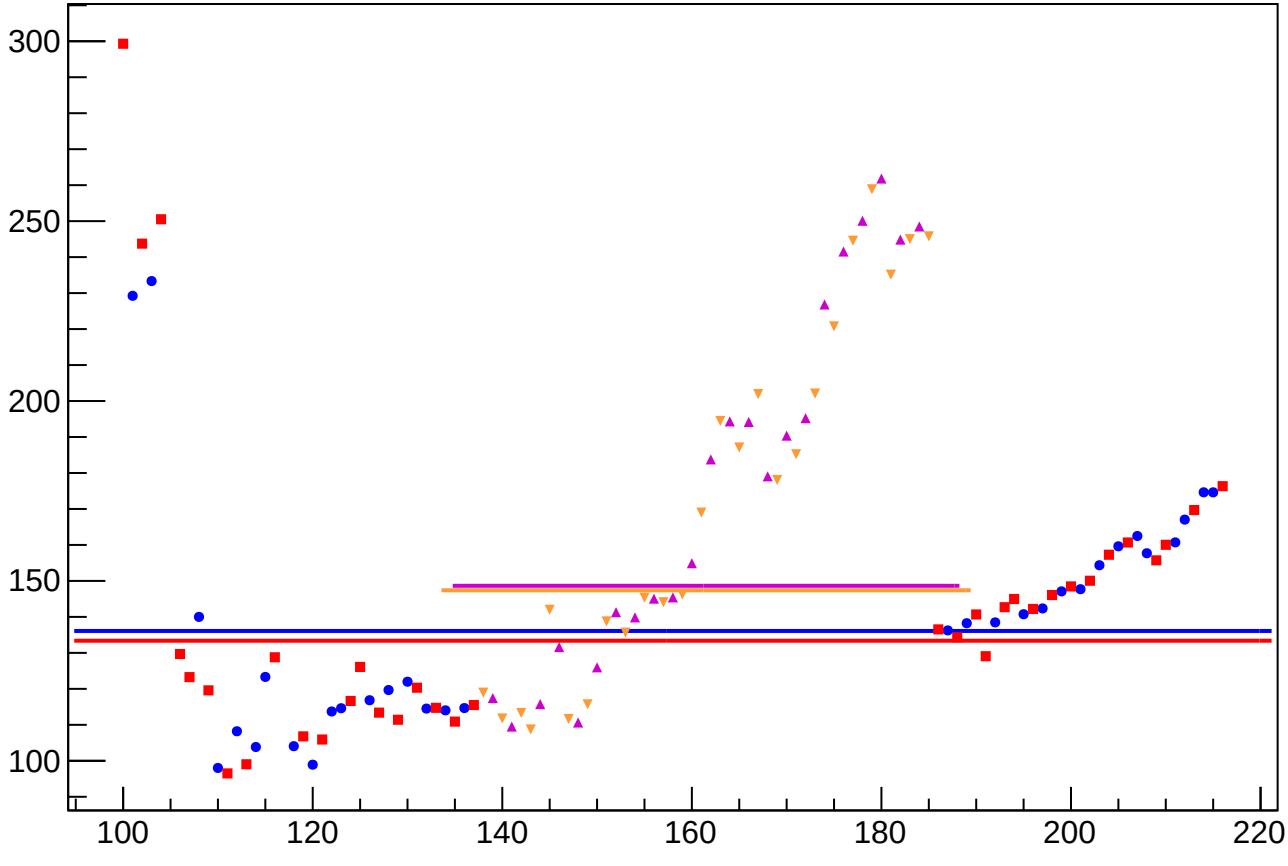
In: 202.211+/-0.025 χ^2/NDF:3297087.5/54

Out: 208.458+/-0.025 χ^2/NDF:4127442.9/59

All: 205.295+/-0.018 χ^2/NDF: 7455011.5/114


asym_bpm2i01WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 3865.192+/-33.765 χ²/NDF: 84419.5/31
Left Out: -5841.615+/-35.848 χ²/NDF:63397.3/24
Right Out: 5771.034+/-32.463 χ²/NDF: 105104.0/34
Left In: -6628.388+/-37.160 χ²/NDF:21738.0/22
Left: -6220.862+/-25.800 χ²/NDF: 85367.5/47
Right: 4855.565+/-23.402 χ²/NDF: 191179.1/66
In: -880.426+/-24.990 χ²/NDF:149837.6/54
Out: 538.677+/-24.063 χ²/NDF:226158.0/59
All: -144.064+/-17.333 χ²/NDF: 377669.0/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 136.091+/-0.024 χ^2/NDF: 1280307.2/31

Left Out: 147.396+/-0.025 χ^2/NDF:2517097.1/24

Right Out: 133.379+/-0.023 χ^2/NDF: 1310154.9/34

Left In: 148.642+/-0.026 χ^2/NDF:2415531.9/22

Left: 147.997+/-0.018 χ^2/NDF: 4933793.6/47

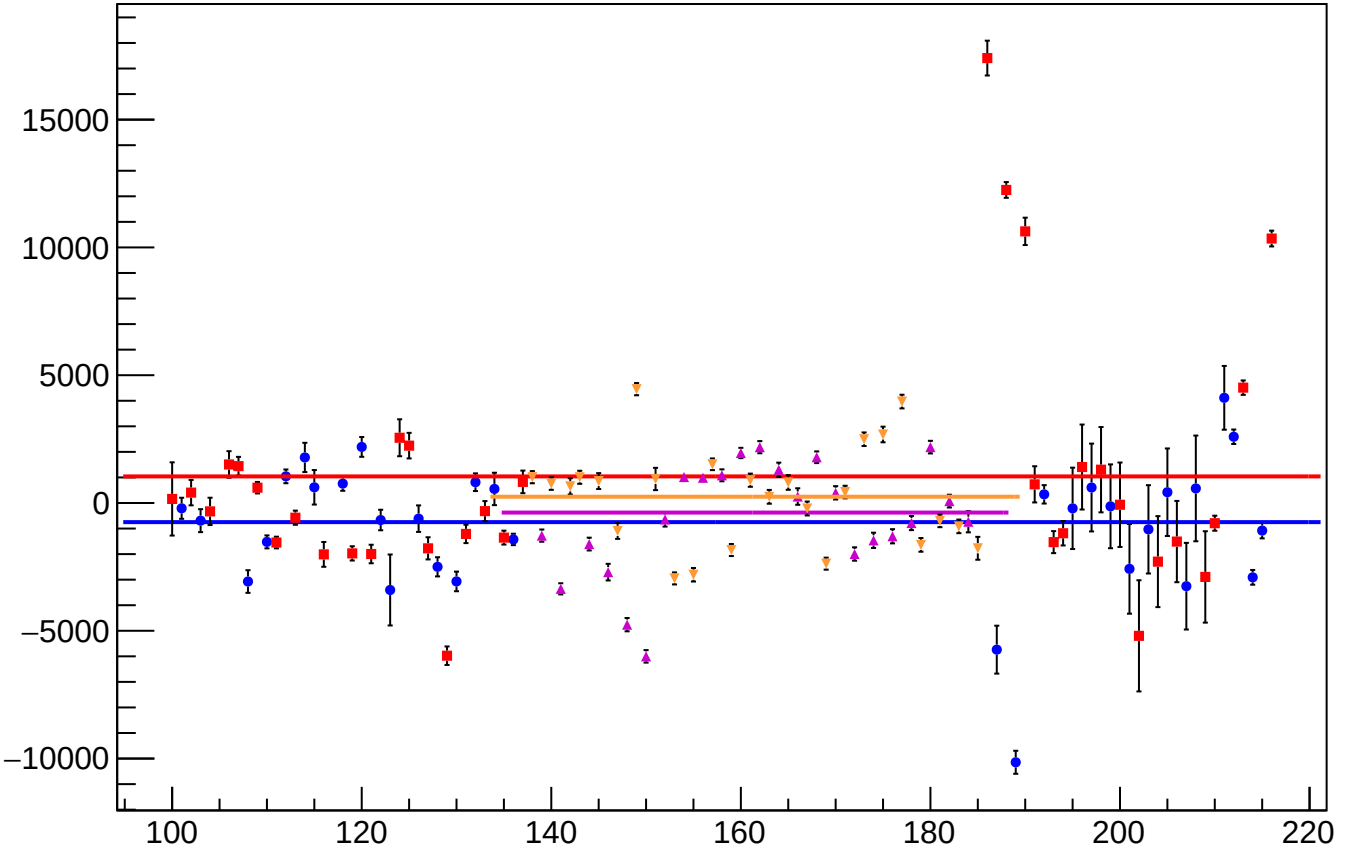
Right: 134.682+/-0.017 χ^2/NDF: 2597167.2/66

In: 141.767+/-0.018 χ^2/NDF:3820811.1/54

Out: 139.695+/-0.017 χ^2/NDF:3995259.4/59

All: 140.692+/-0.012 χ^2/NDF: 7823207.5/114

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -748.696+/-75.051 χ^2/NDF: 978.2/31

Left Out: 246.120+/-53.492 χ^2/NDF:1354.8/24

Right Out: 1040.279+/-68.582 χ^2/NDF: 4353.3/34

Left In: -374.465+/-51.892 χ^2/NDF:1798.3/22

Left: -73.589+/-37.246 χ^2/NDF: 3222.4/47

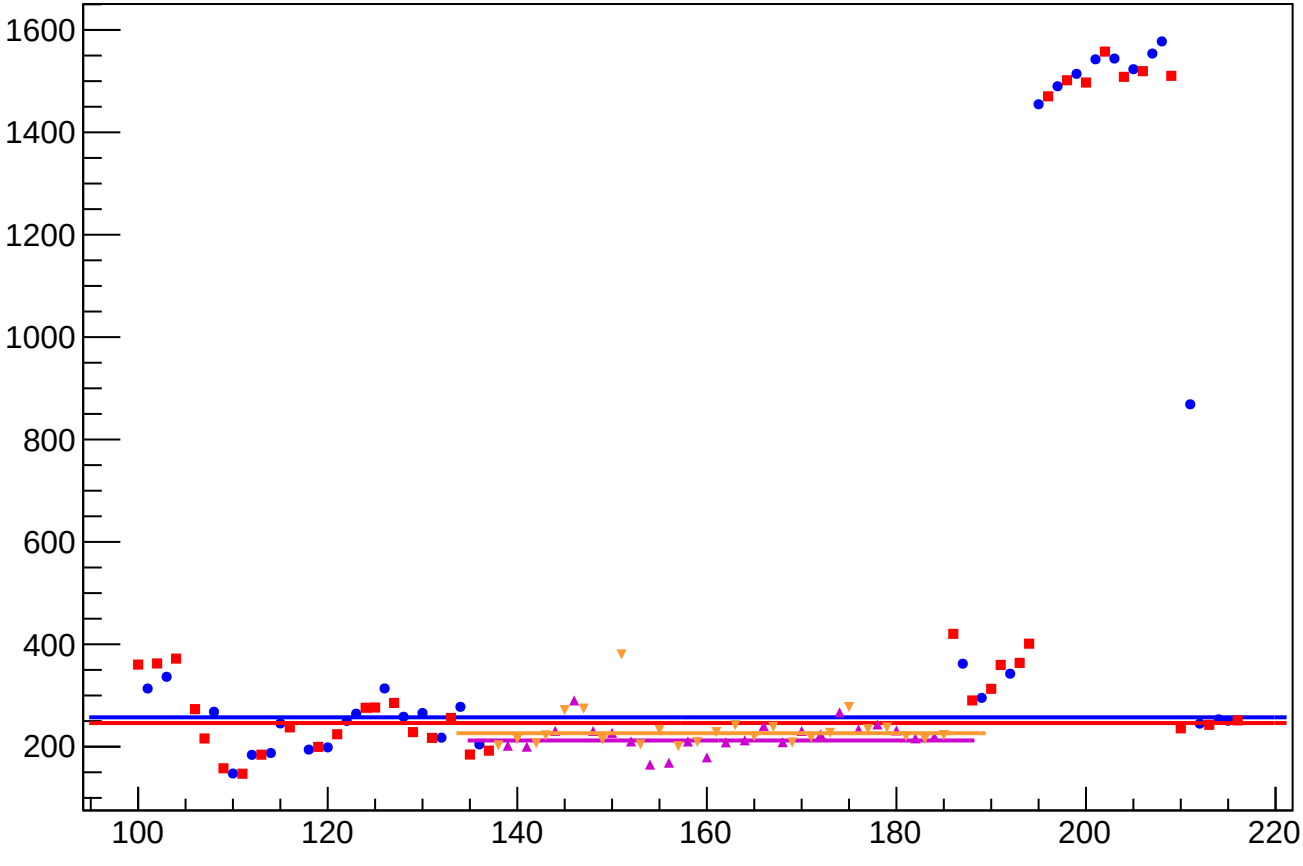
Right: 226.200+/-50.627 χ^2/NDF: 5641.1/66

In: -495.508+/-42.683 χ^2/NDF:2793.2/54

Out: 546.507+/-42.179 χ^2/NDF:5791.5/59

All: 31.688+/-30.002 χ^2/NDF: 8886.3/114

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 257.373+/-0.053 χ^2/NDF: 10198042.4/31

Left Out: 226.376+/-0.038 χ^2/NDF:521770.1/24

Right Out: 246.203+/-0.048 χ^2/NDF: 9273217.0/34

Left In: 212.145+/-0.037 χ^2/NDF:591698.6/22

Left: 219.044+/-0.026 χ^2/NDF: 1186390.8/47

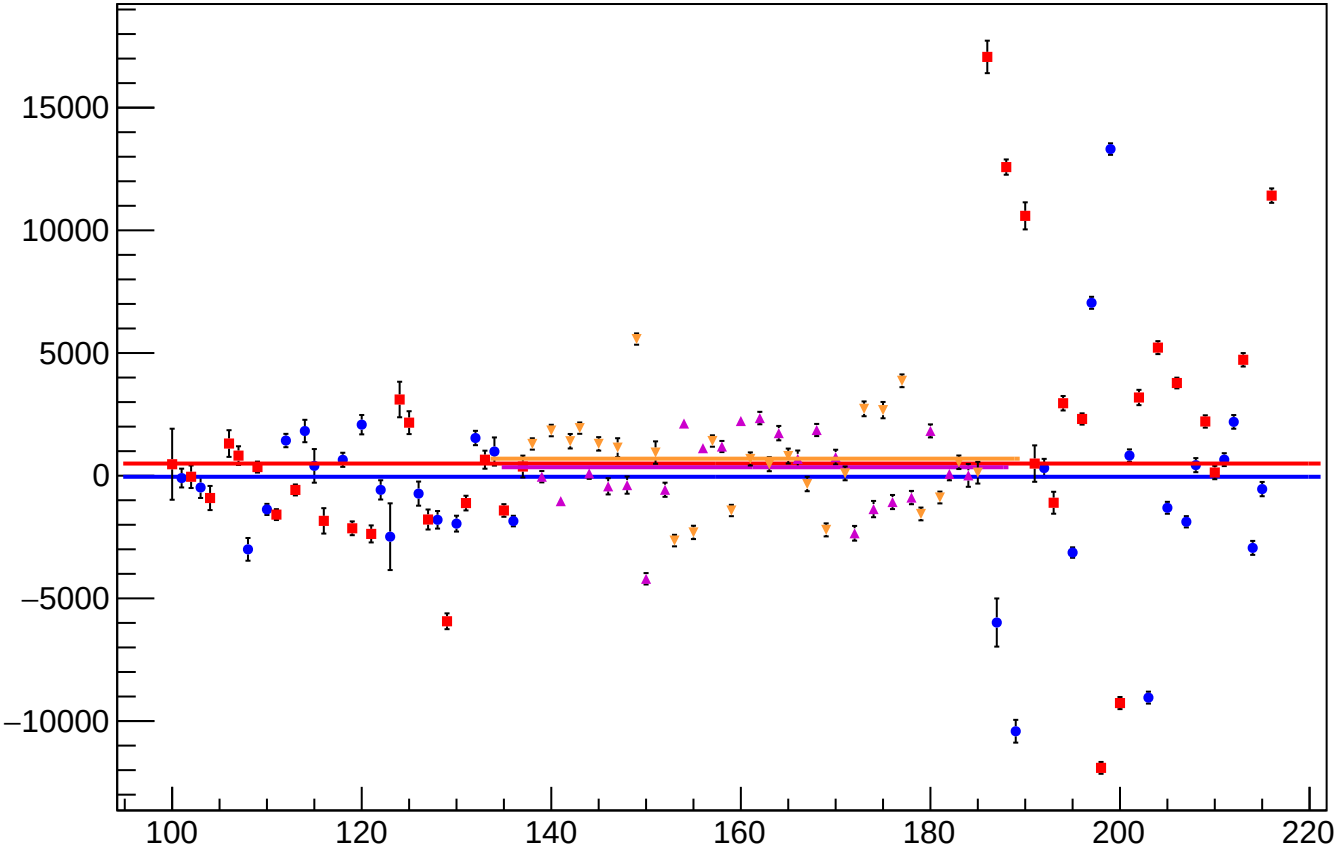
Right: 251.286+/-0.036 χ^2/NDF: 19495399.0/66

In: 226.774+/-0.030 χ^2/NDF:11281140.7/54

Out: 233.875+/-0.030 χ^2/NDF:9898926.8/59

All: 230.367+/-0.021 χ^2/NDF: 21208079.7/11

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -44.368+/-54.086 χ^2/NDF: 6784.1/31

Left Out: 694.326+/-54.246 χ^2/NDF:1422.1/24

Right Out: 495.117+/-53.318 χ^2/NDF: 9926.8/34

Left In: 344.578+/-52.954 χ^2/NDF:985.0/22

Left: 515.236+/-37.893 χ^2/NDF: 2428.4/47

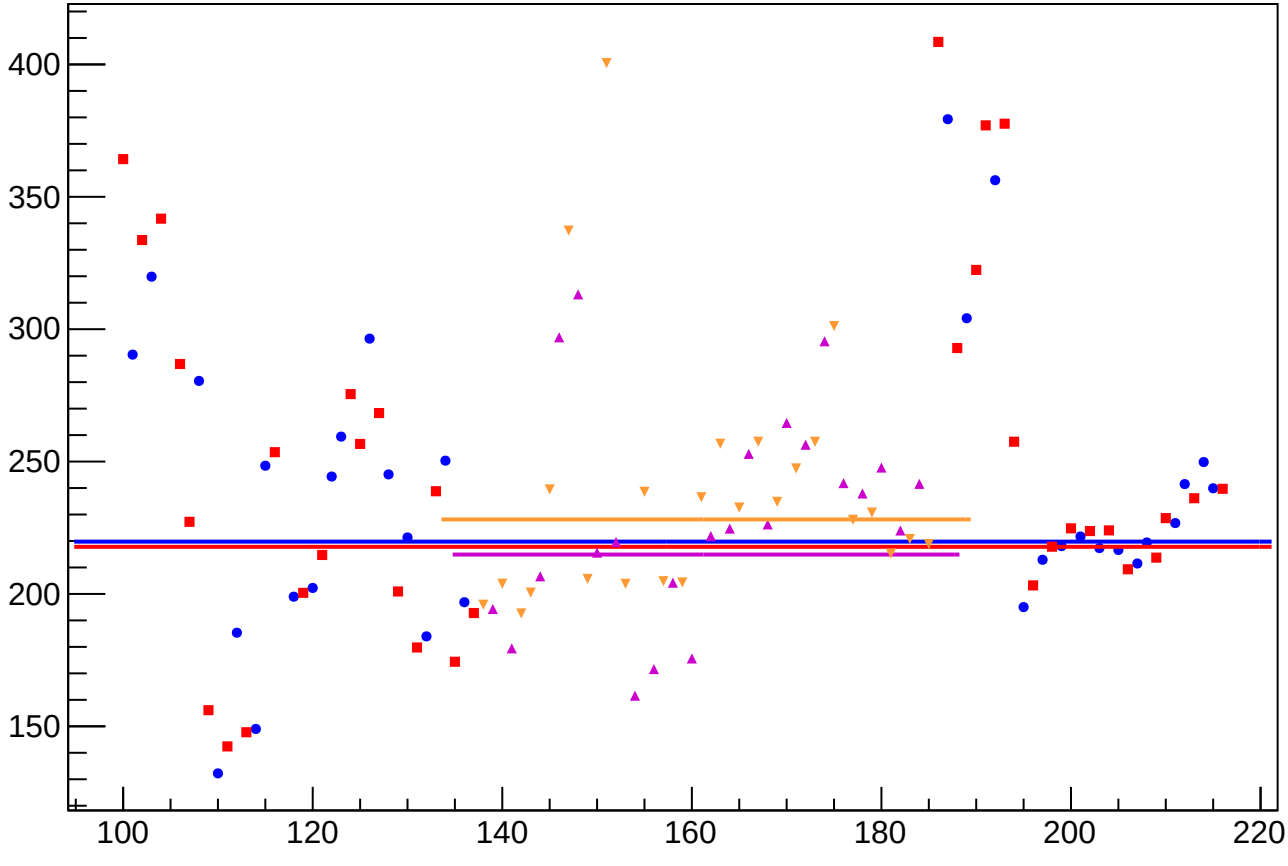
Right: 229.231+/-37.970 χ^2/NDF: 16761.4/66

In: 154.216+/-37.838 χ^2/NDF:7795.6/54

Out: 593.002+/-38.025 χ^2/NDF:11355.8/59

All: 372.524+/-26.821 χ^2/NDF: 19218.3/114

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.759+/-0.038 χ^2/NDF: 1197179.5/31

Left Out: 228.144+/-0.038 χ^2/NDF:828399.3/24

Right Out: 217.803+/-0.038 χ^2/NDF: 1847409.2/34

Left In: 214.878+/-0.037 χ^2/NDF:1037509.6/22

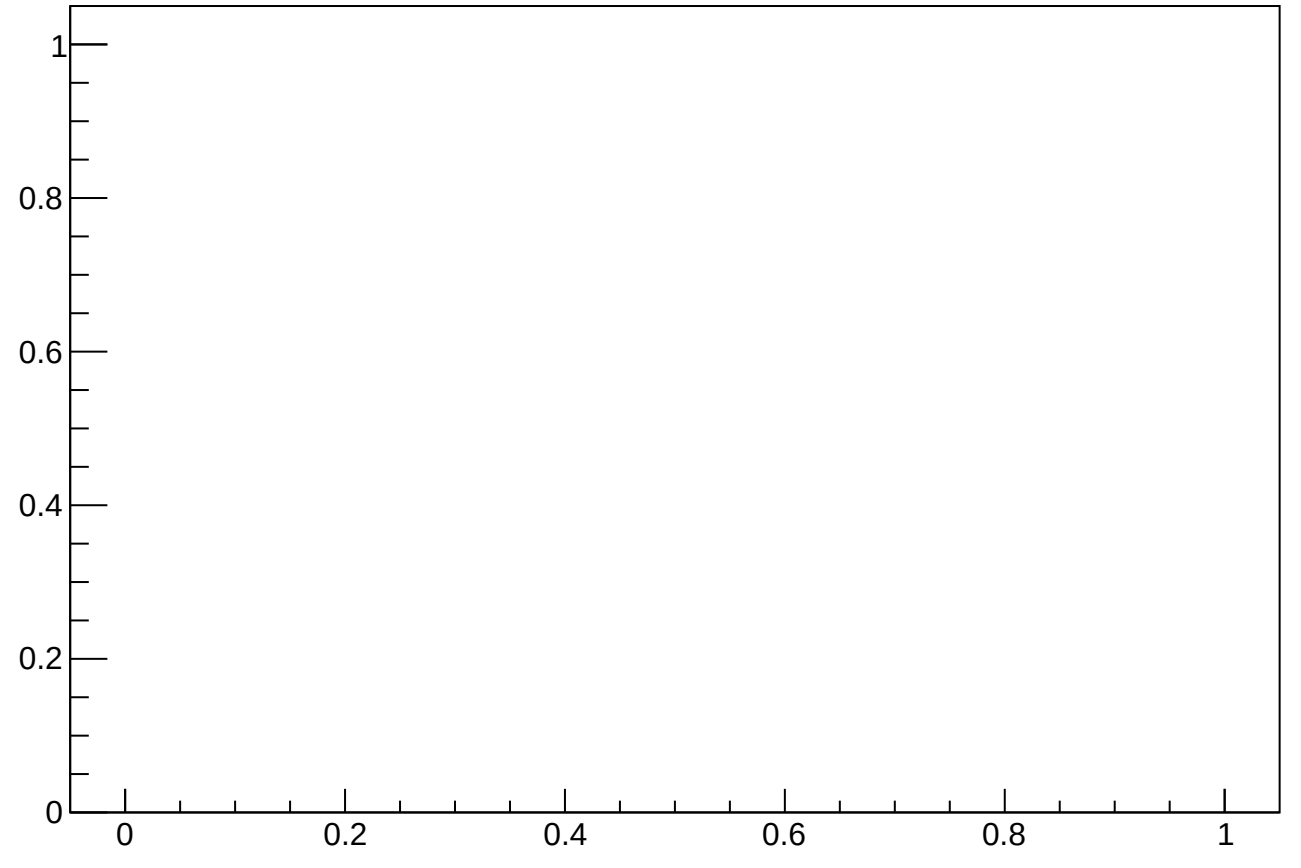
Left: 221.351+/-0.027 χ^2/NDF: 1927151.4/47

Right: 218.767+/-0.027 χ^2/NDF: 3045914.8/66

In: 217.267+/-0.027 χ^2/NDF:2243004.7/54

Out: 222.884+/-0.027 χ^2/NDF:2712772.0/59

All: 220.062+/-0.019 χ^2/NDF: 4977706.8/114



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

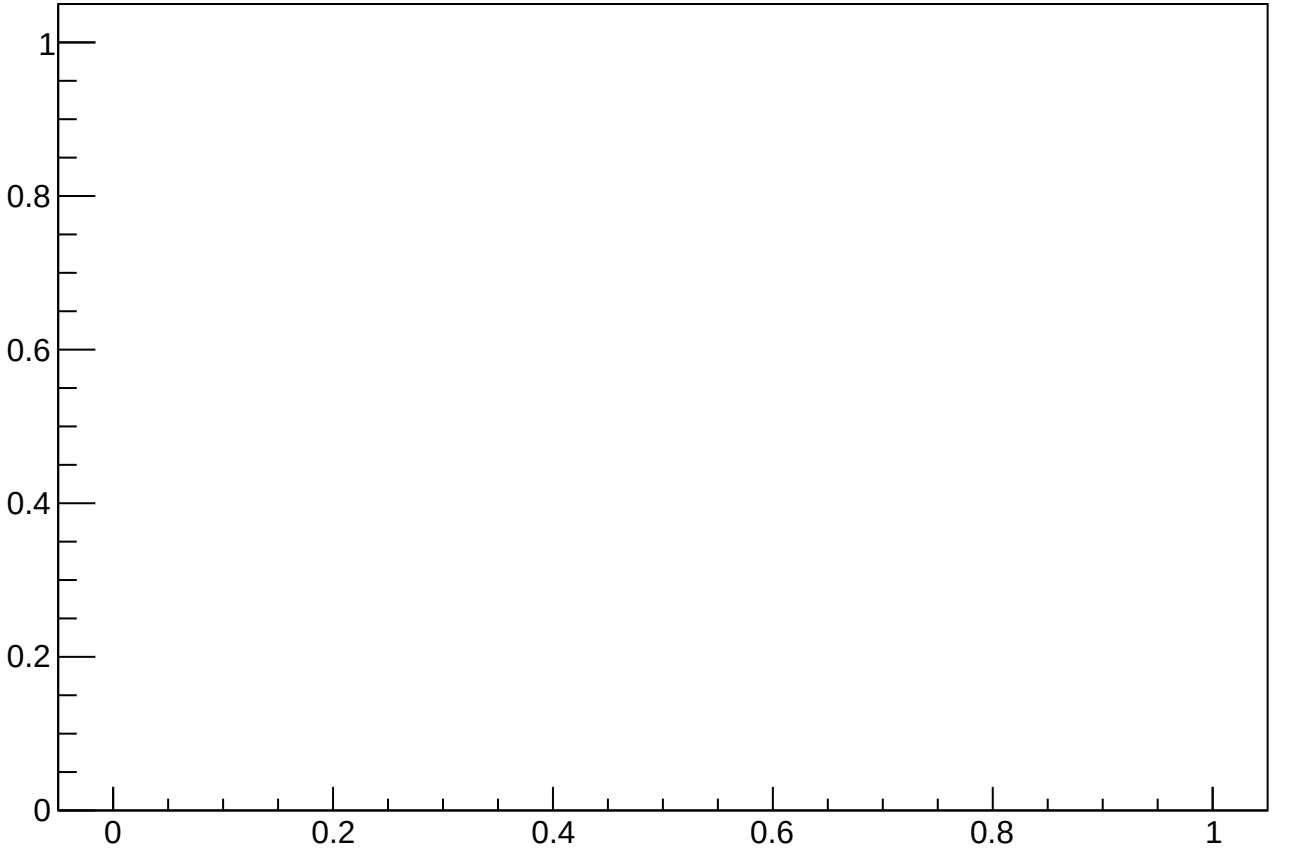
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

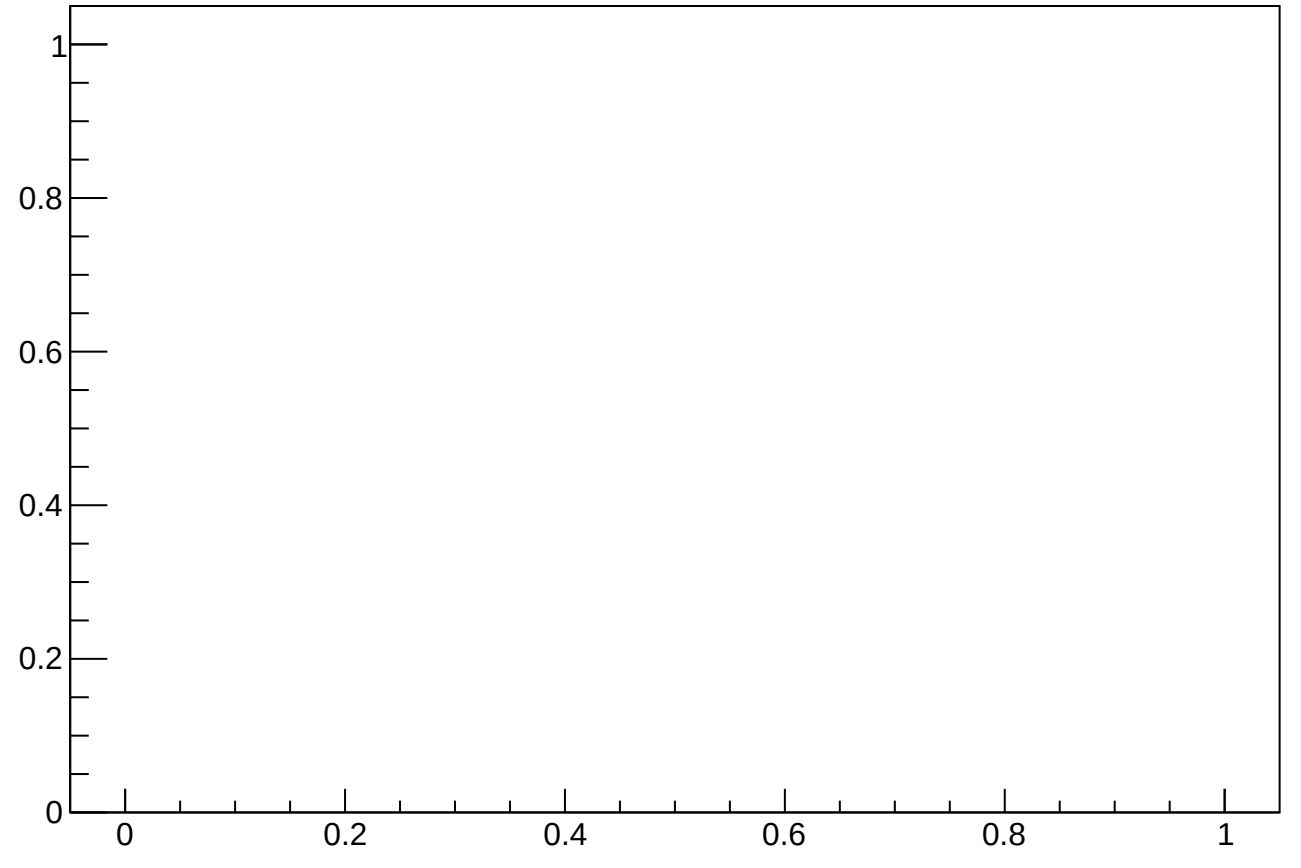
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

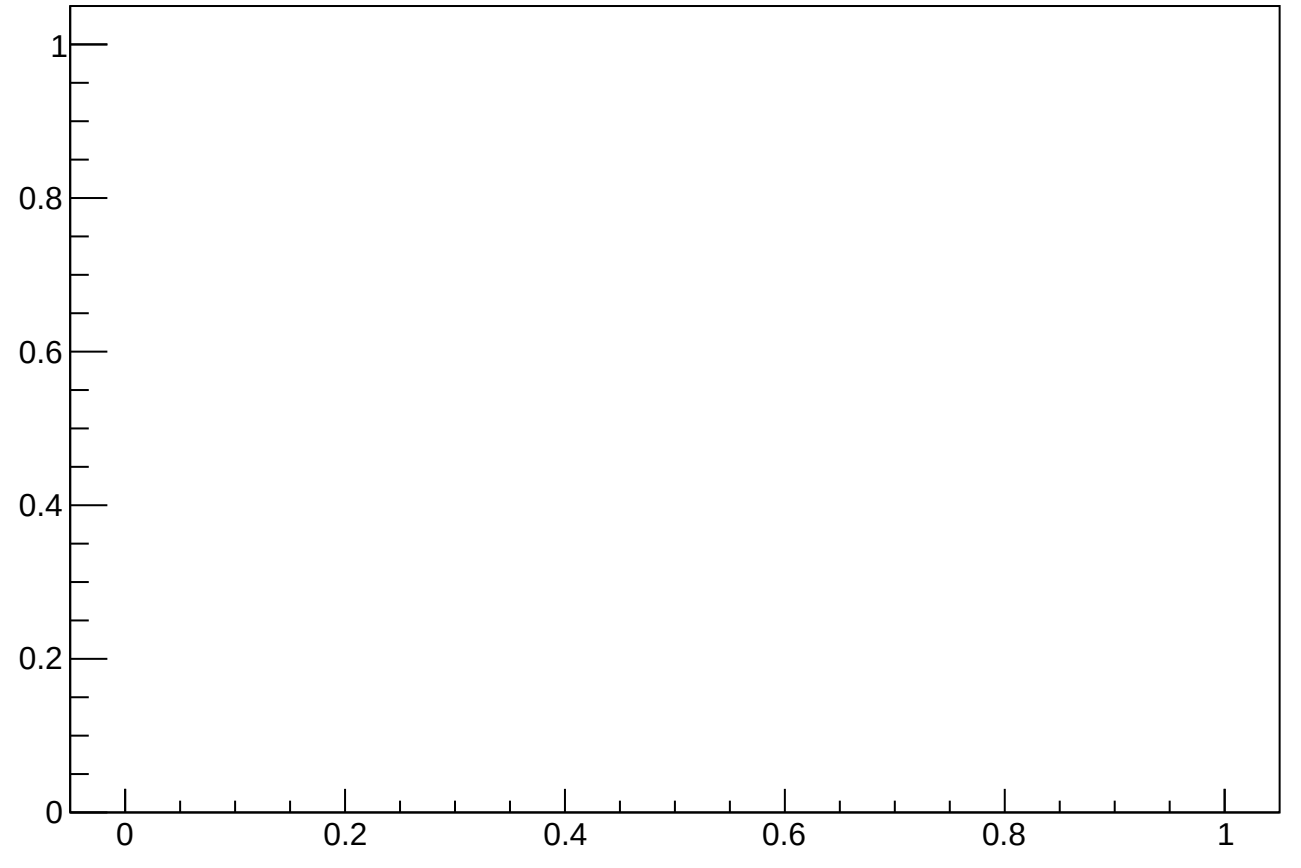
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

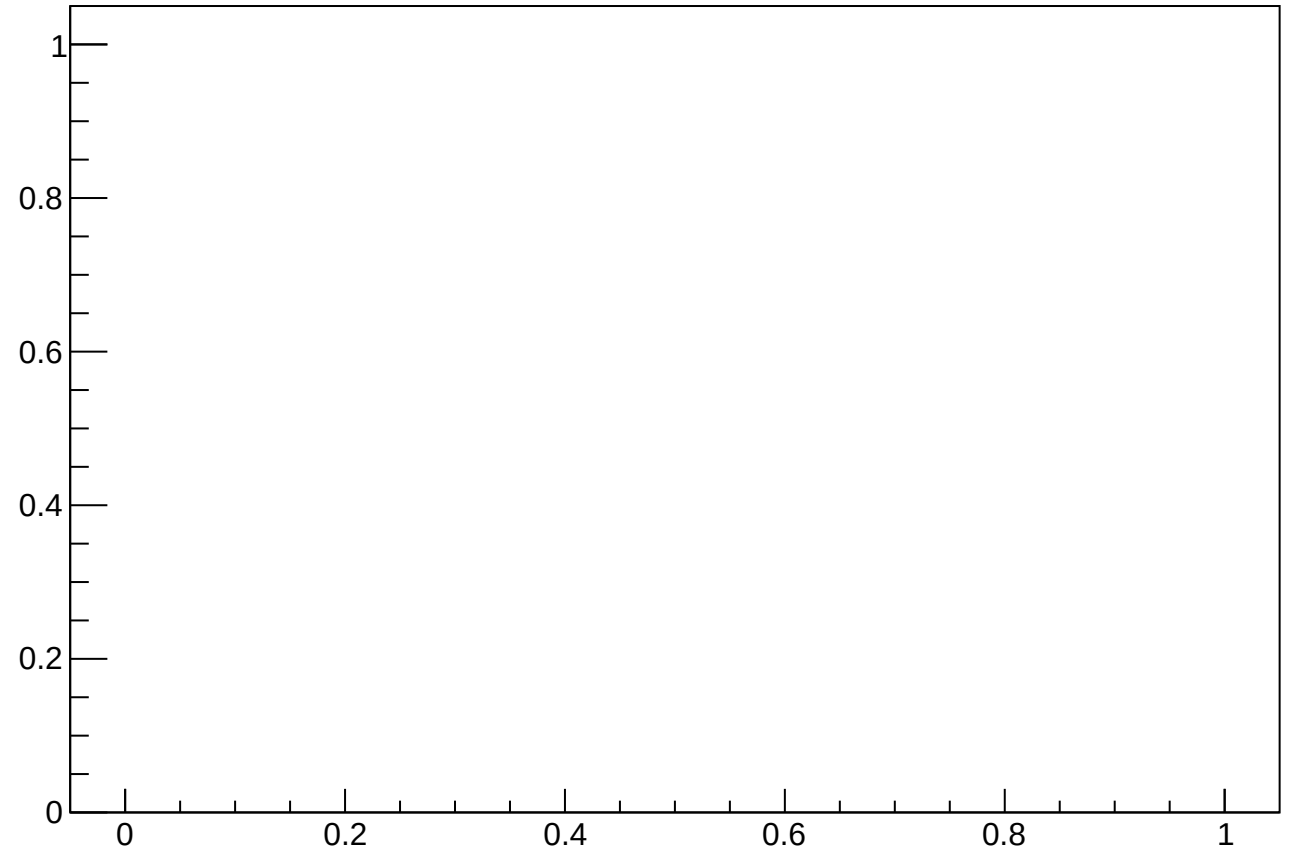
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

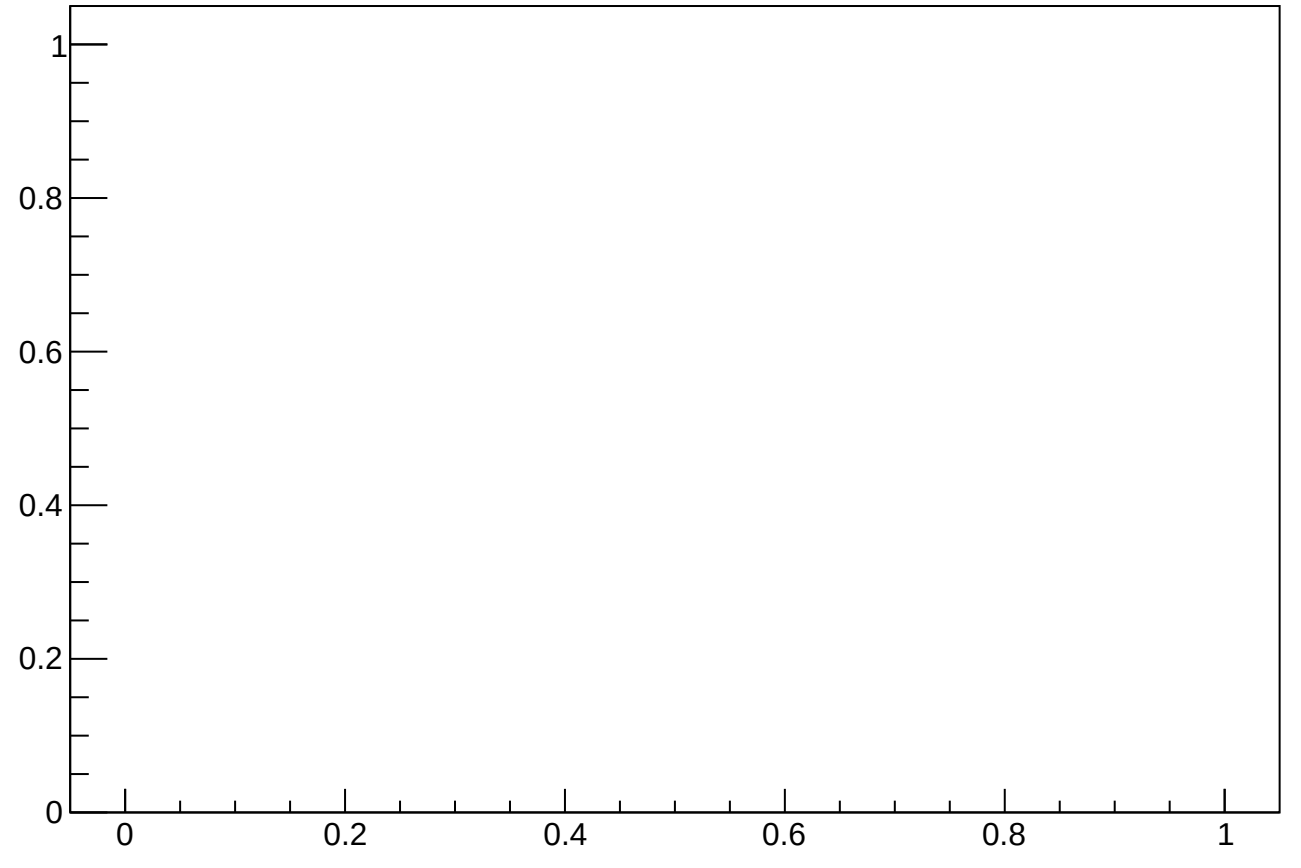
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

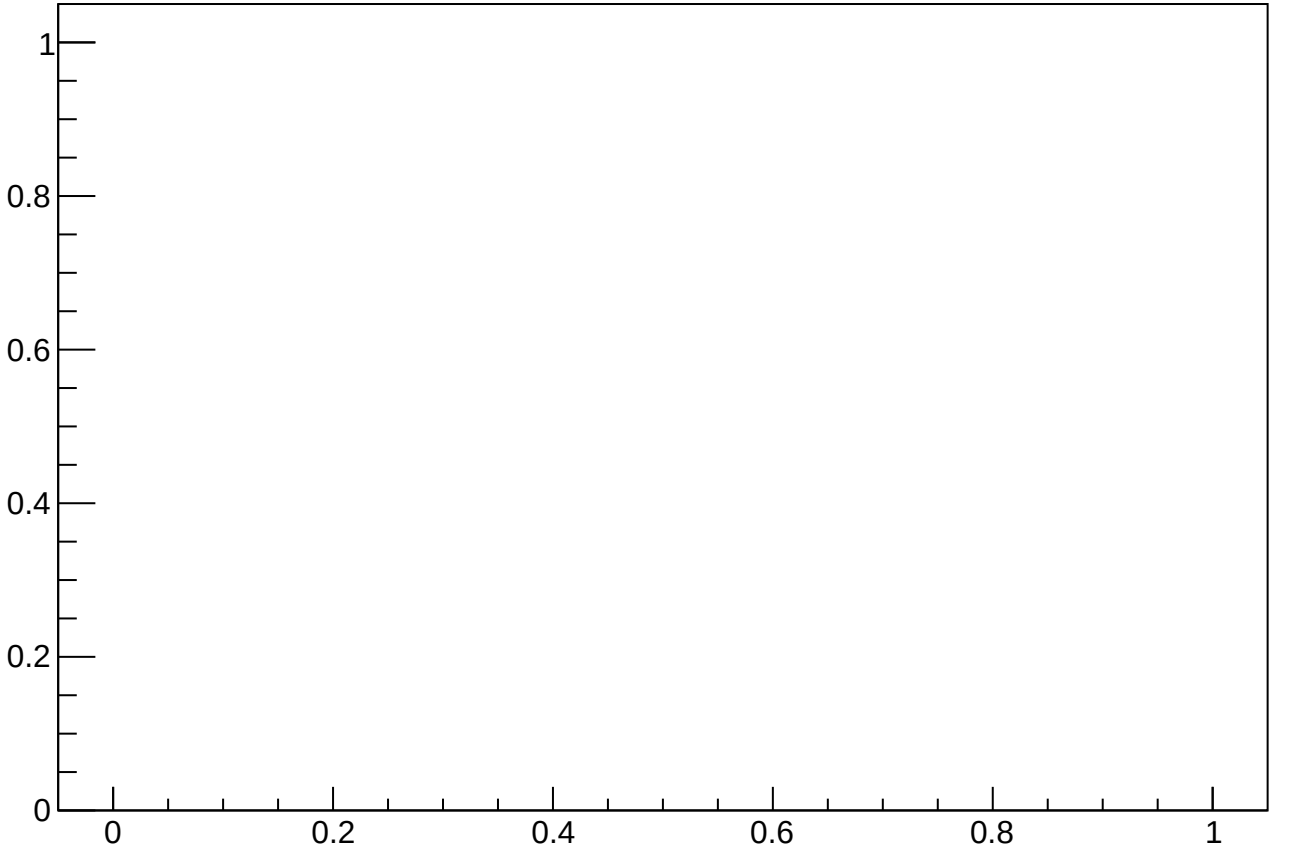
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

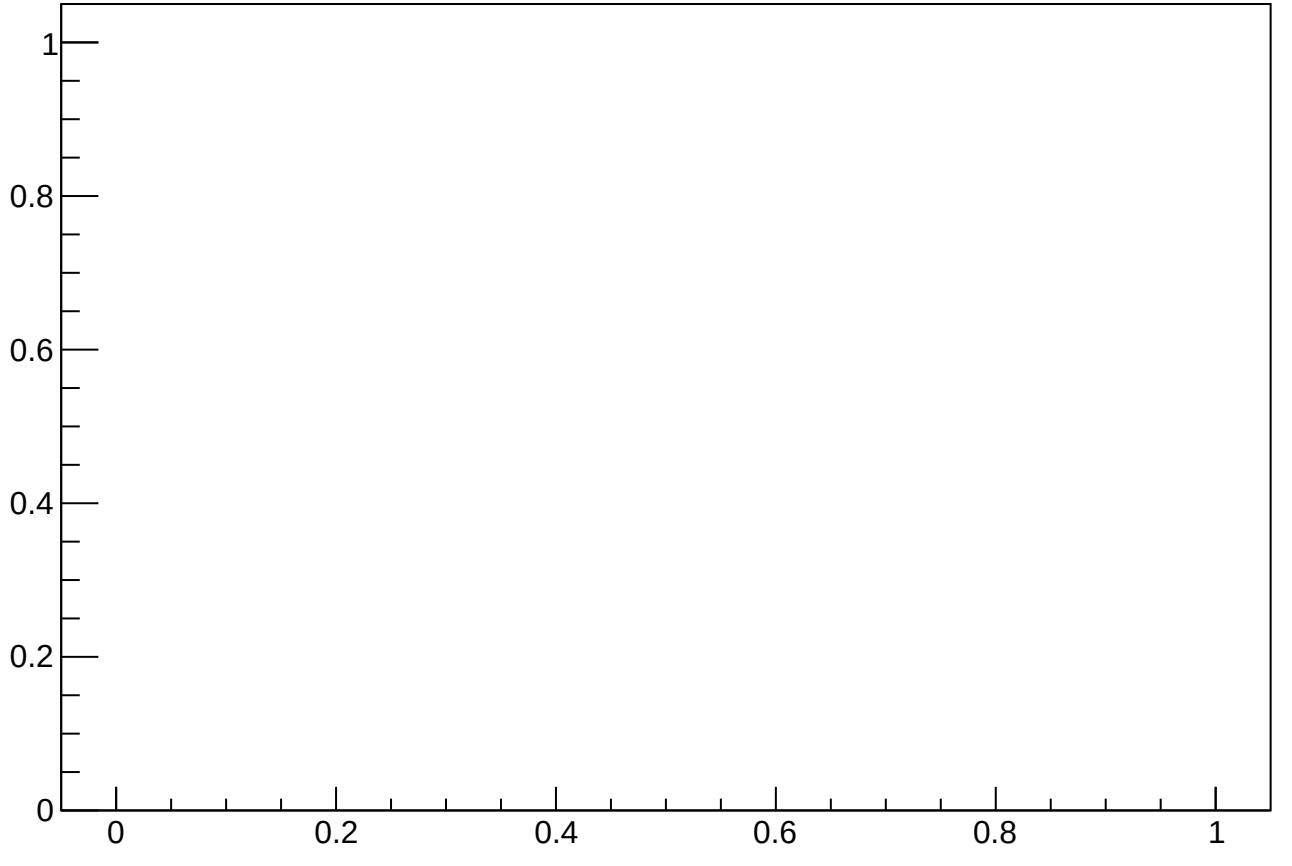
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

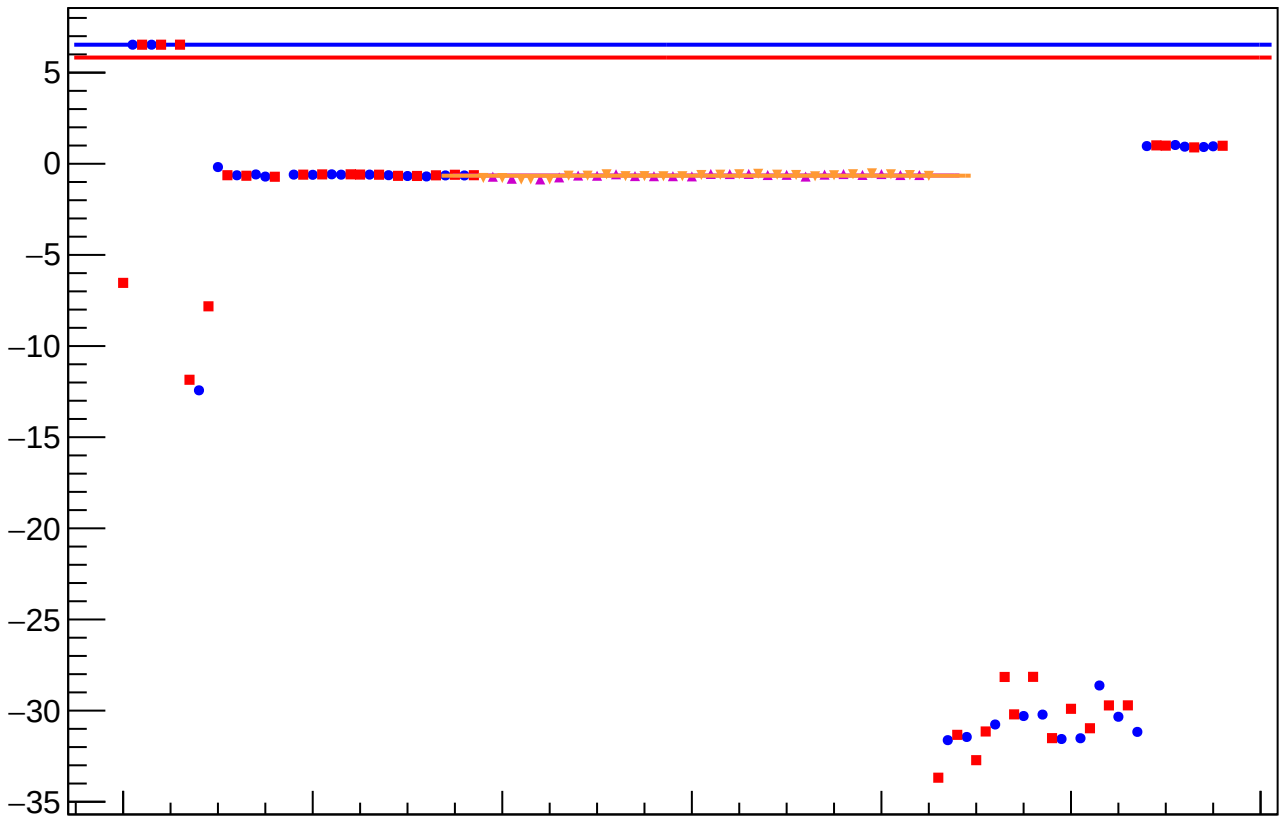
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF: 137004604088.1/31

Left Out: -0.654+/-0.000 χ^2/NDF:179069954.8/24

Right Out: 5.827+/-0.000 χ^2/NDF: 755967529855524.1/34

Left In: -0.643+/-0.000 χ^2/NDF:123743747.1/22

Left: -0.649+/-0.000 χ^2/NDF: 303800919.5/47

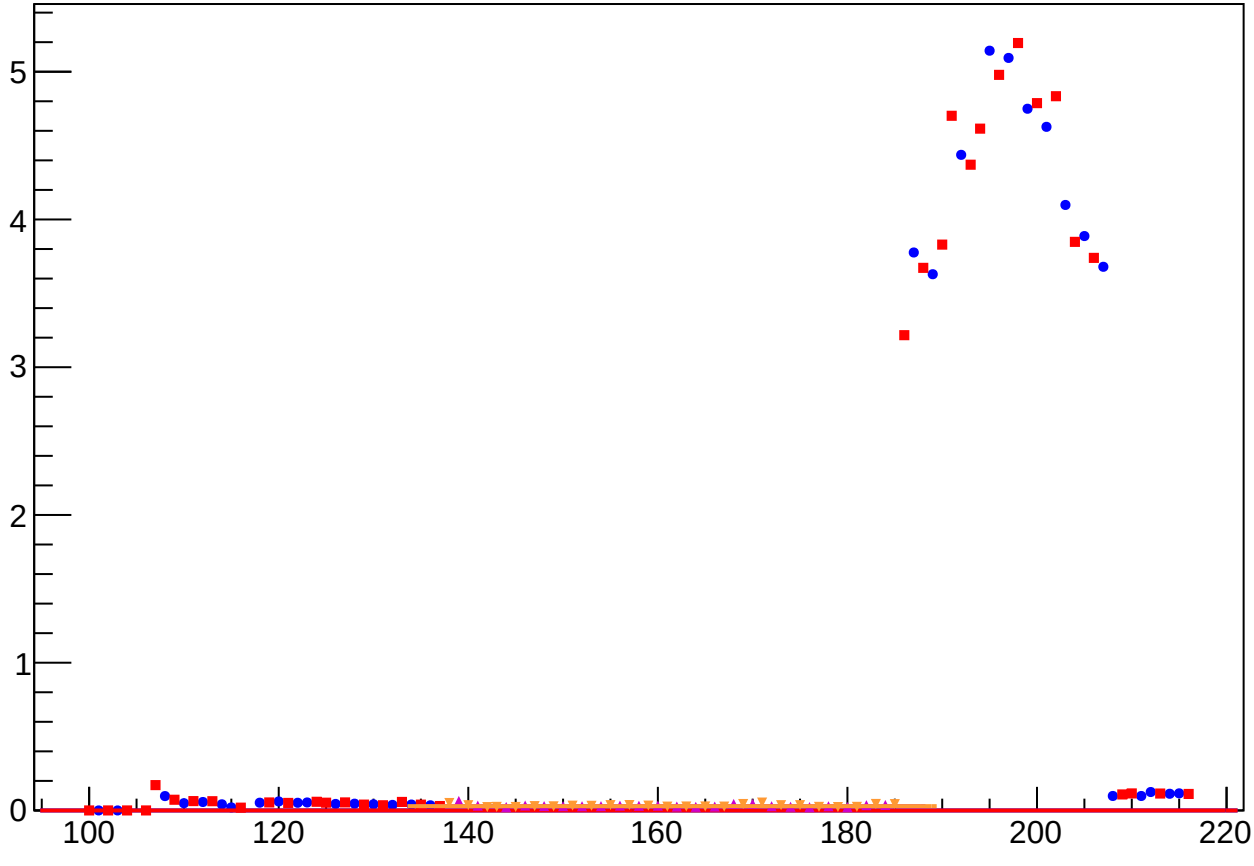
Right: 6.155+/-0.000 χ^2/NDF: 776108040565224.2/

In: 6.530+/-0.000 χ^2/NDF:971118249302.6/54

Out: 5.826+/-0.000 χ^2/NDF:756678544097904.5/5

All: 6.153+/-0.000 χ^2/NDF: 7776414651866

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 29577250.3/31

Left Out: 0.029+/-0.000 χ^2/NDF:1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30322770.5/34

Left In: 0.029+/-0.000 χ^2/NDF:1206492.9/22

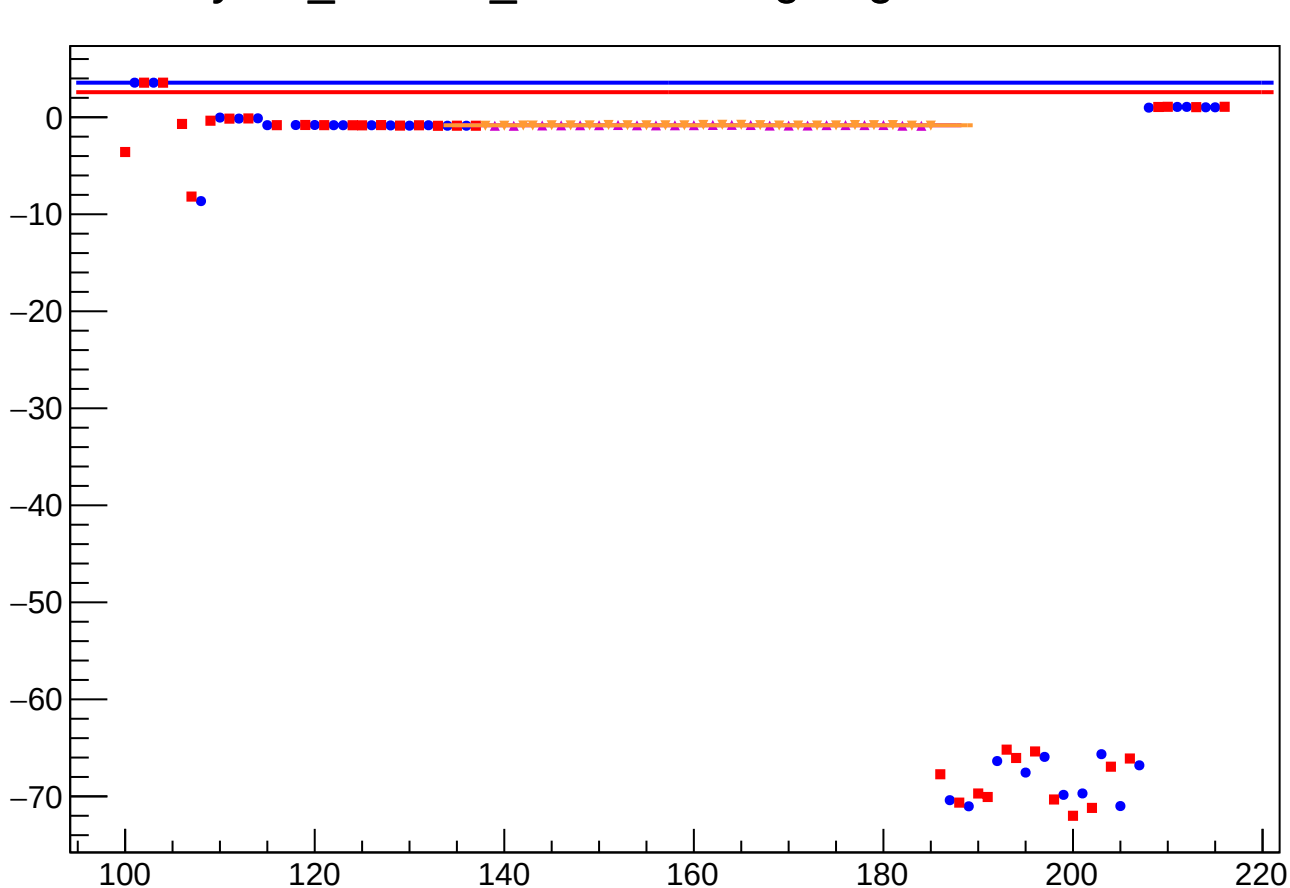
Left: 0.029+/-0.000 χ^2/NDF: 2691219.2/47

Right: 0.000+/-0.000 χ^2/NDF: 59900308.7/66

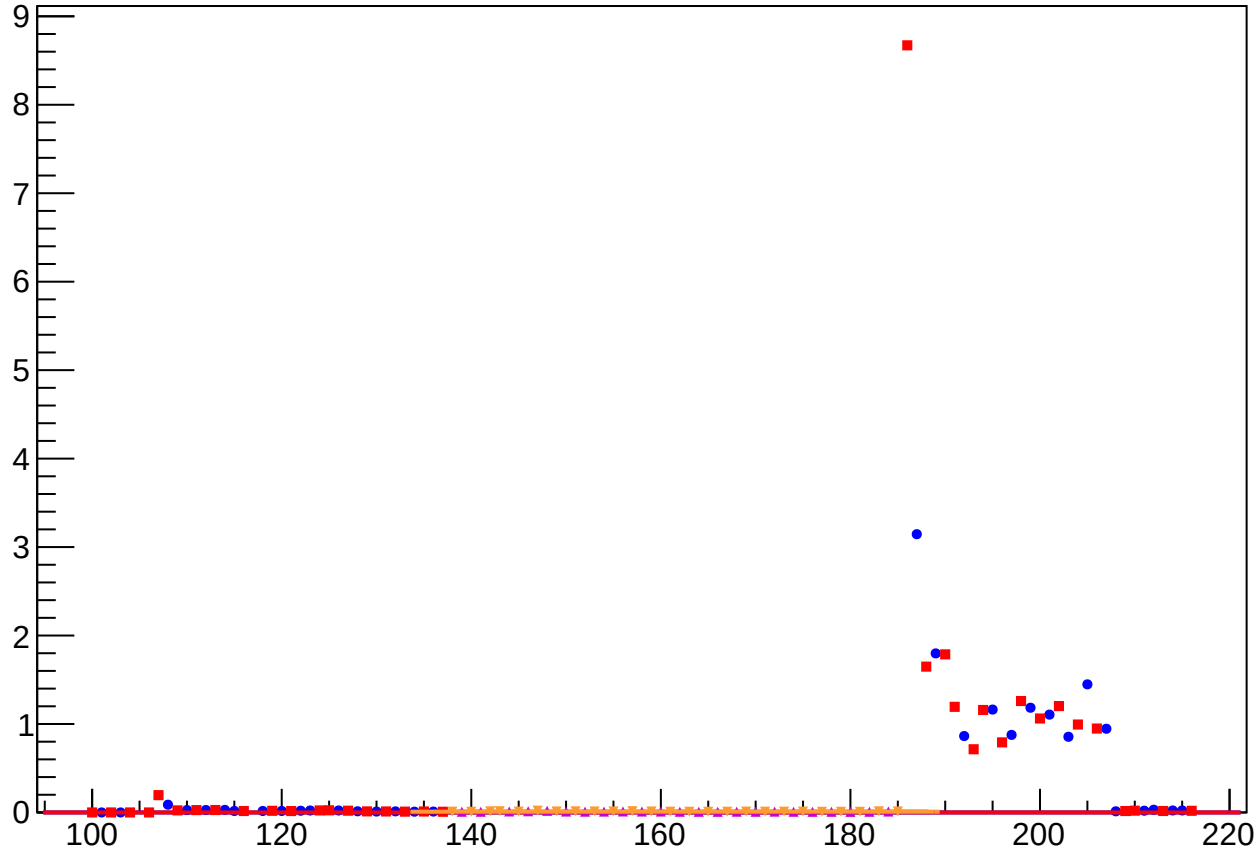
In: 0.000+/-0.000 χ^2/NDF:57754264.9/54

Out: 0.000+/-0.000 χ^2/NDF:60290249.2/59

All: 0.000+/-0.000 χ^2/NDF: 118044992.1/114


yield_cav4bY_mean vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
220
Right In: 3.563+/-0.000 χ²/NDF: 553856763080.9/31
Left Out: -0.827+/-0.000 χ²/NDF:170052639.9/24
Right Out: 2.583+/-0.000 χ²/NDF: 1253549482235833.0/34
Left In: -0.827+/-0.000 χ²/NDF:174130375.4/22
Left: -0.827+/-0.000 χ²/NDF: 344237775.5/47
Right: 3.040+/-0.000 χ²/NDF: 1382370047849467.8
In: 3.560+/-0.000 χ²/NDF:4234291942335.3/54
Out: 2.581+/-0.000 χ²/NDF:1255780325745694.8
All: 3.038+/-0.000 χ²/NDF: 1388094436583

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26952182.6/31

Left Out: 0.009+/-0.000 χ^2/NDF:1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28065874.5/34

Left In: 0.009+/-0.000 χ^2/NDF:1042123.1/22

Left: 0.009+/-0.000 χ^2/NDF: 2503441.1/47

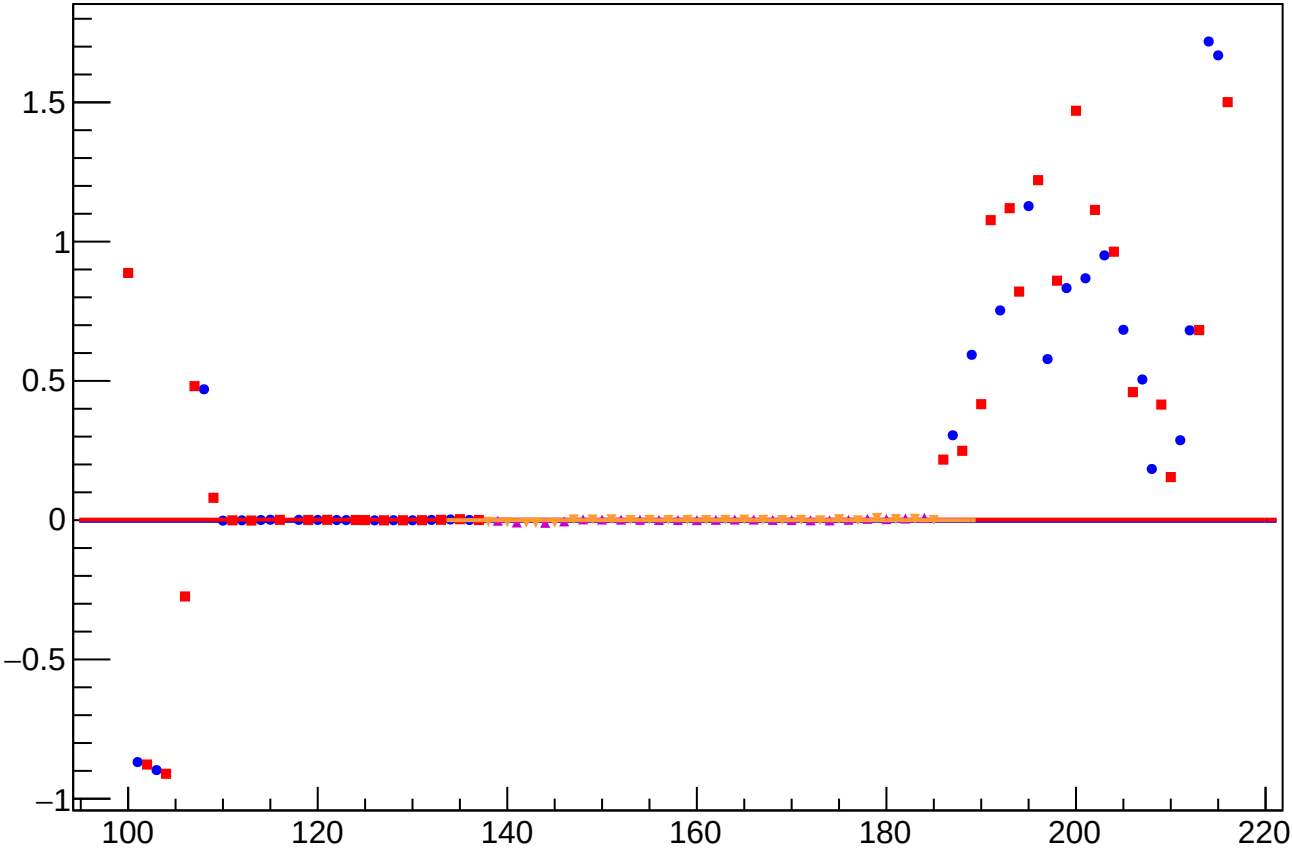
Right: 0.000+/-0.000 χ^2/NDF: 55018364.6/66

In: 0.000+/-0.000 χ^2/NDF:56745592.8/54

Out: 0.000+/-0.000 χ^2/NDF:59580597.5/59

All: 0.000+/-0.000 χ^2/NDF: 116327024.7/114

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF: 9797189528.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3043983185.7/34

Left In: 0.001+/-0.000 χ^2/NDF:101468517.6/22

Left: 0.000+/-0.000 χ^2/NDF: 254489625.0/47

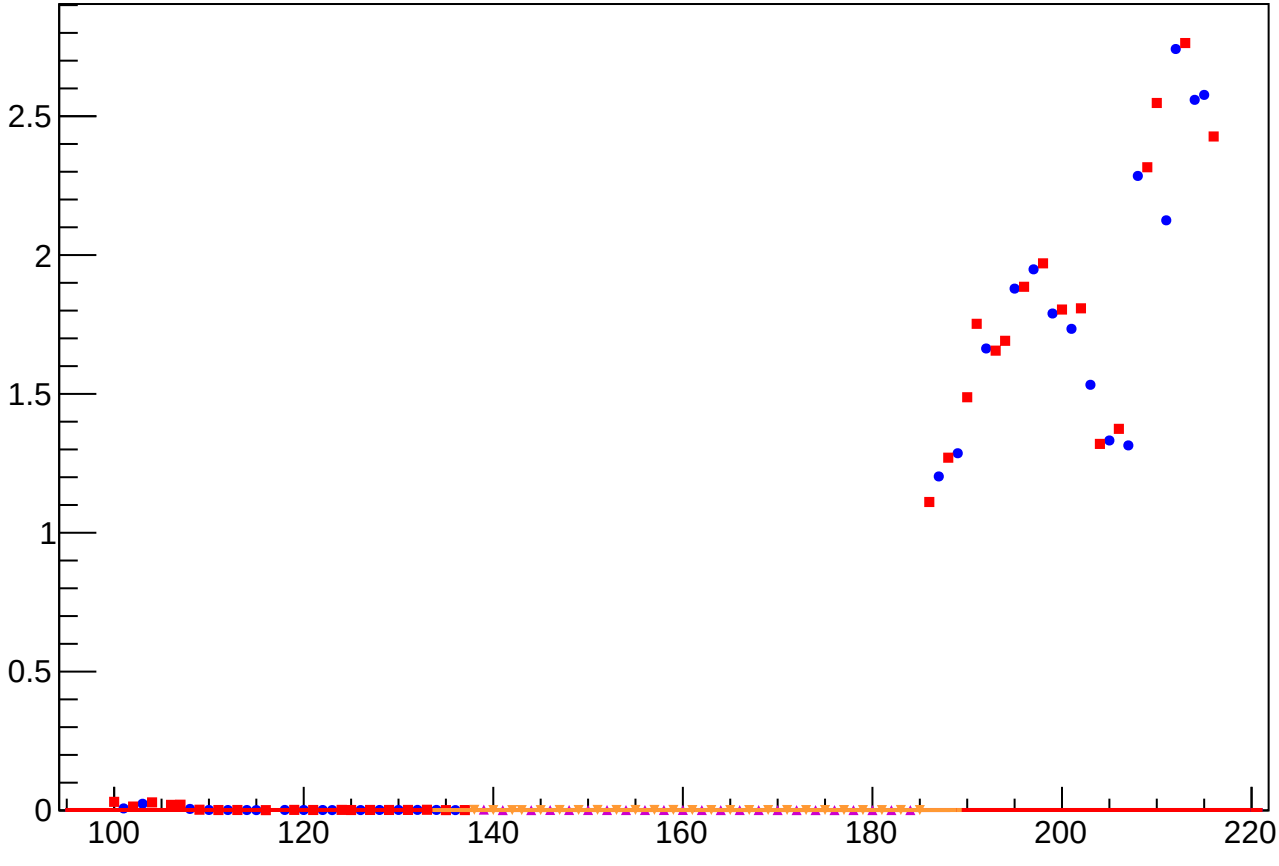
Right: -0.000+/-0.000 χ^2/NDF: 12855319647.3/66

In: -0.000+/-0.000 χ^2/NDF:9910094015.9/54

Out: 0.000+/-0.000 χ^2/NDF:3200222181.4/59

All: 0.000+/-0.000 χ^2/NDF: 13110687632.4/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 22631303.0/31

Left Out: 0.001+/-0.000 χ^2/NDF:539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 23992227.3/34

Left In: 0.001+/-0.000 χ^2/NDF:659543.3/22

Left: 0.001+/-0.000 χ^2/NDF: 1201689.9/47

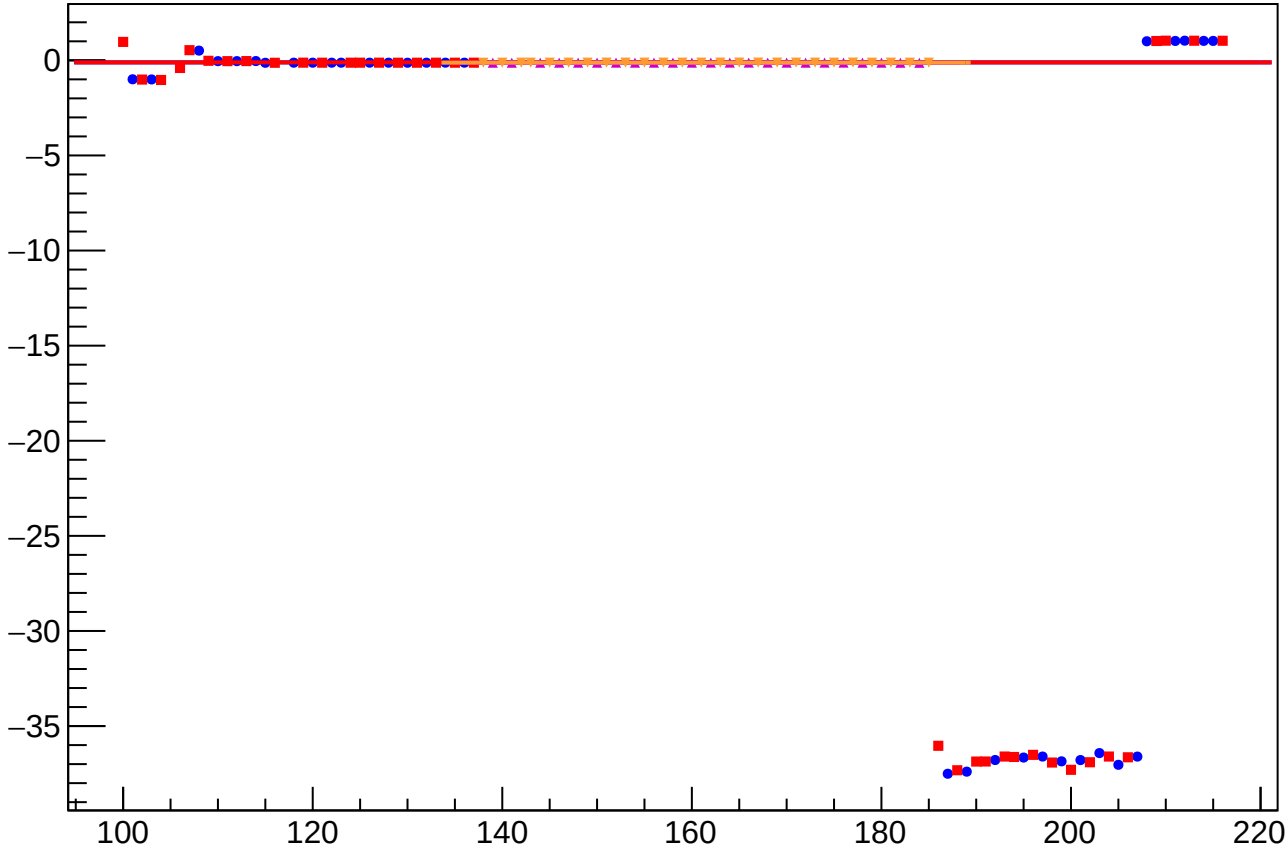
Right: 0.002+/-0.000 χ^2/NDF: 46631472.2/66

In: 0.002+/-0.000 χ^2/NDF:23344408.7/54

Out: 0.002+/-0.000 χ^2/NDF:24668796.1/59

All: 0.002+/-0.000 χ^2/NDF: 48013842.4/114

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.109+/-0.000 χ^2/NDF: 92062978438.5/31

Left Out: -0.121+/-0.000 χ^2/NDF:58329026.8/24

Right Out: -0.105+/-0.000 χ^2/NDF: 92131679837.4/34

Left In: -0.121+/-0.000 χ^2/NDF:53134323.3/22

Left: -0.121+/-0.000 χ^2/NDF: 111705307.2/47

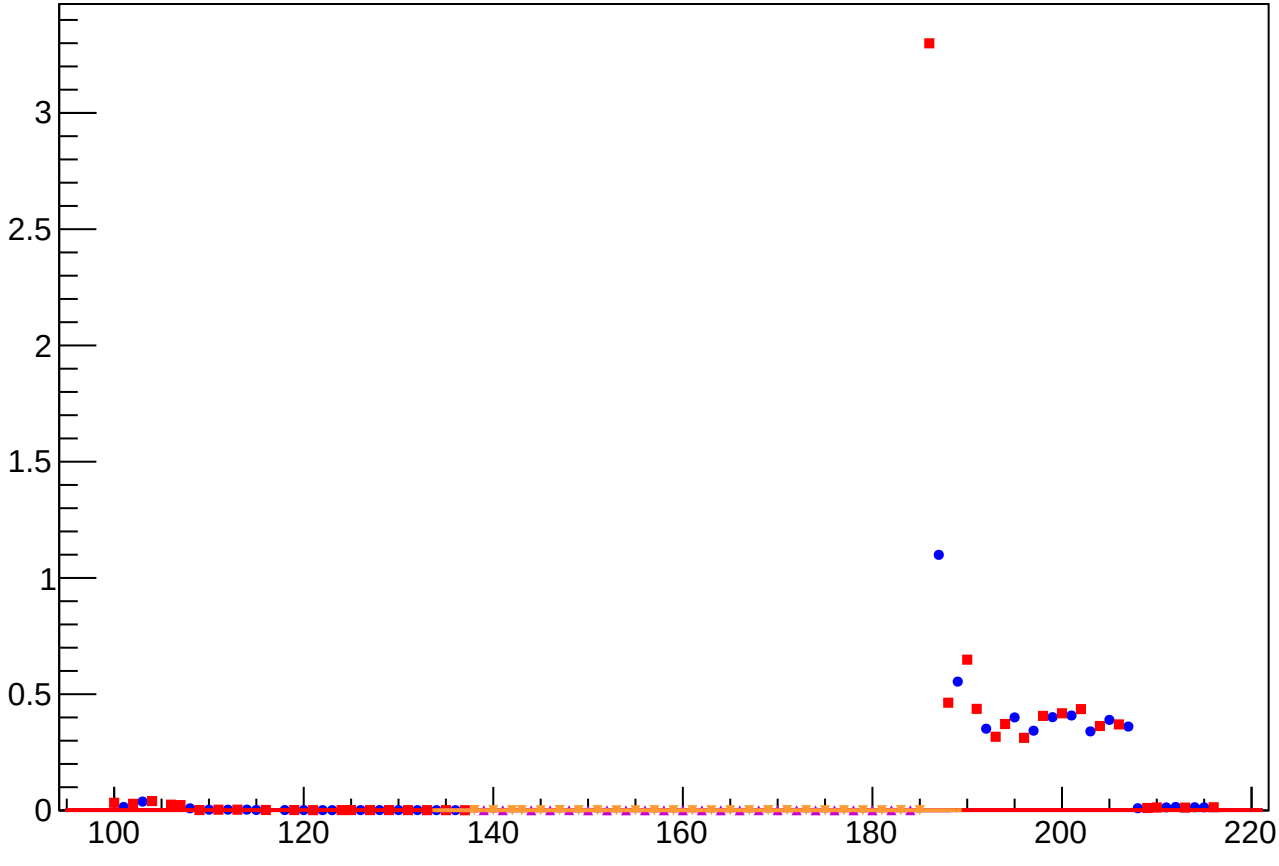
Right: -0.107+/-0.000 χ^2/NDF: 184205679475.3/66

In: -0.120+/-0.000 χ^2/NDF:92367575270.9/54

Out: -0.120+/-0.000 χ^2/NDF:92615751406.8/59

All: -0.120+/-0.000 χ^2/NDF: 184983446367.6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 21265493.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 22622396.4/34

Left In: 0.001+/-0.000 χ^2/NDF:972588.0/22

Left: 0.001+/-0.000 χ^2/NDF: 2336494.2/47

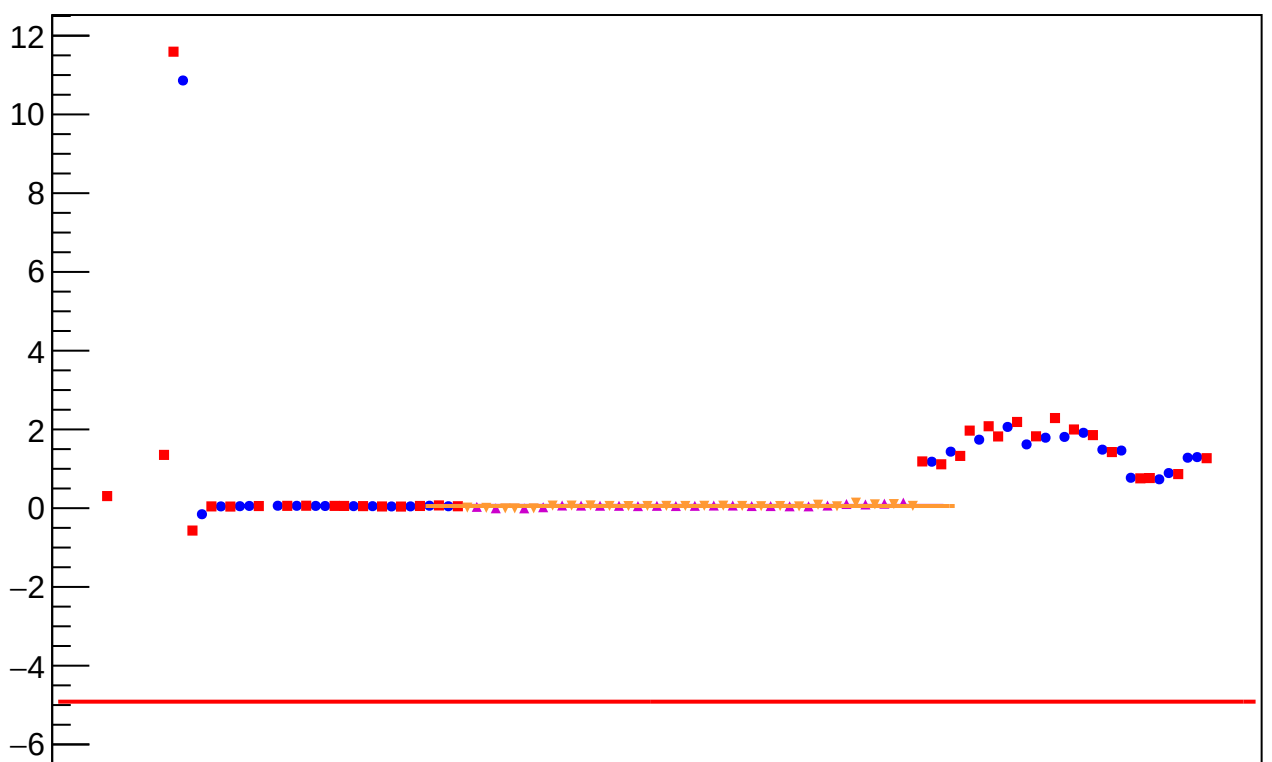
Right: 0.002+/-0.000 χ^2/NDF: 43888890.9/66

In: 0.001+/-0.000 χ^2/NDF:23929793.4/54

Out: 0.001+/-0.000 χ^2/NDF:25623009.6/59

All: 0.001+/-0.000 χ^2/NDF: 49556069.5/114

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF: 8763062881104.3/31

Left Out: 0.055+/-0.000 χ^2/NDF:243733184.3/24

Right Out: -4.914+/-0.000 χ^2/NDF: 365348856786294.1/34

Left In: 0.059+/-0.000 χ^2/NDF:178713649.9/22

Left: 0.057+/-0.000 χ^2/NDF: 423872259.5/47

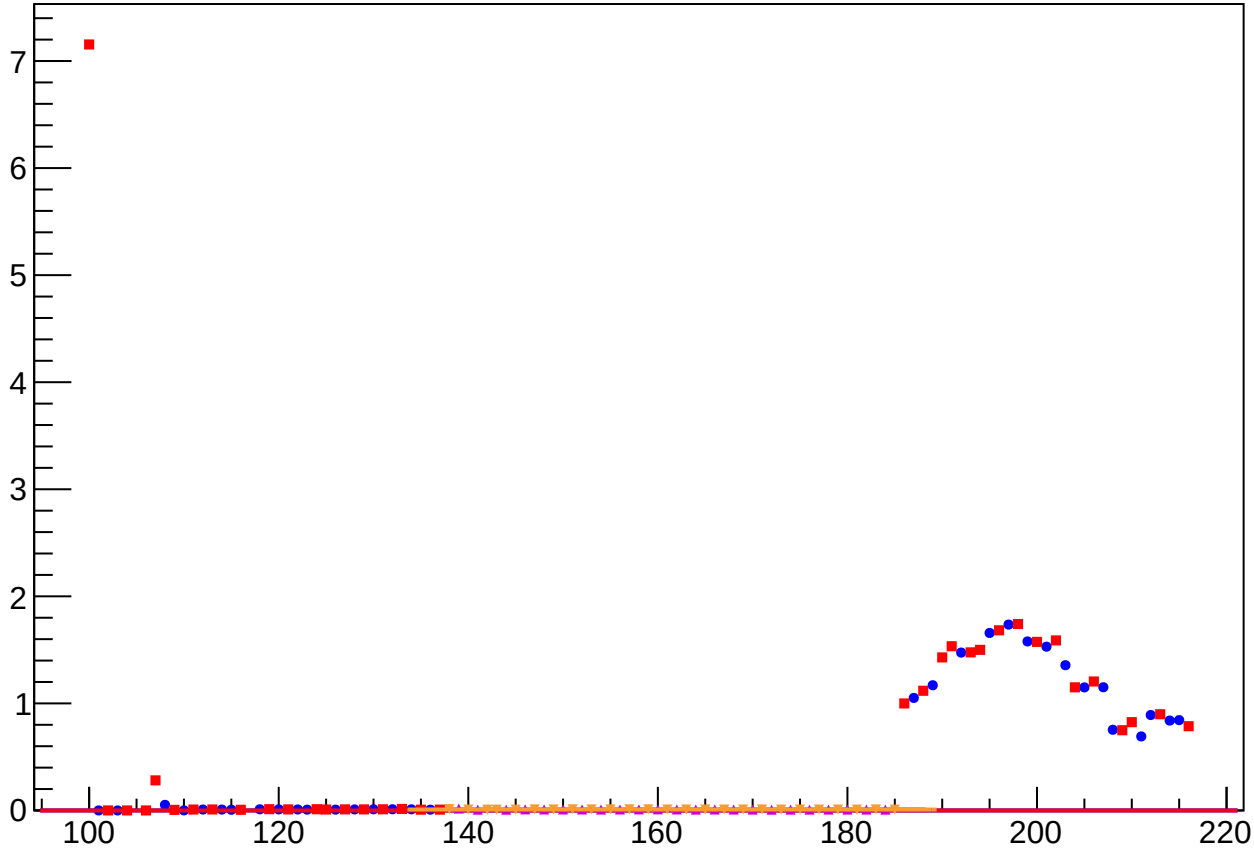
Right: -5.900+/-0.000 χ^2/NDF: 430304088025699.3

In: -6.925+/-0.000 χ^2/NDF:17605584451327.4/54

Out: -4.879+/-0.000 χ^2/NDF:370175541354758.2/

All: -5.858+/-0.000 χ^2/NDF: 4435820451533

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28961304.6/31

Left Out: 0.009+/-0.000 χ^2/NDF:513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29755000.9/34

Left In: 0.009+/-0.000 χ^2/NDF:636557.9/22

Left: 0.009+/-0.000 χ^2/NDF: 1154784.9/47

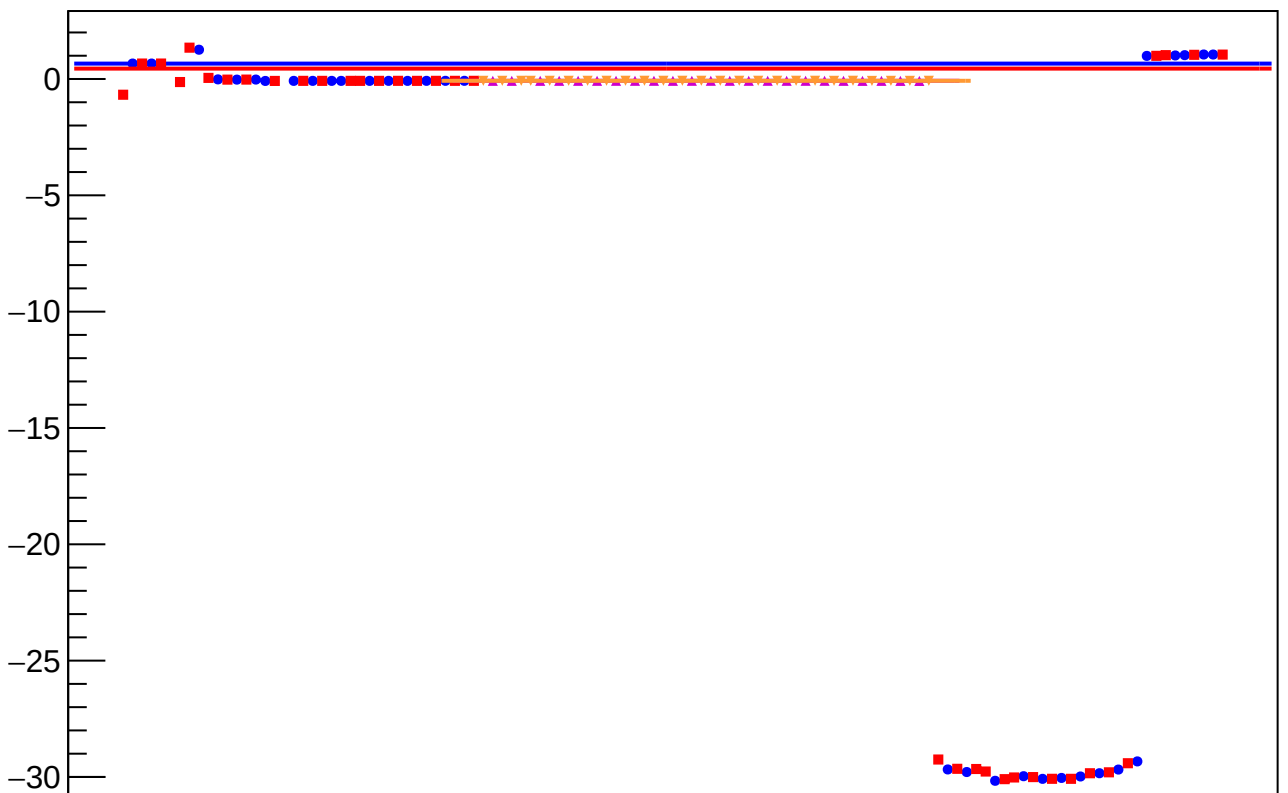
Right: 0.000+/-0.000 χ^2/NDF: 58716621.1/66

In: 0.000+/-0.000 χ^2/NDF:56596669.3/54

Out: 0.000+/-0.000 χ^2/NDF:58781947.2/59

All: 0.000+/-0.000 χ^2/NDF: 115379117.9/114

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF: 5648377896693.6/31

Left Out: -0.078+/-0.000 χ^2/NDF:156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF: 405483834509425.9/34

Left In: -0.077+/-0.000 χ^2/NDF:111221084.5/22

Left: -0.078+/-0.000 χ^2/NDF: 267788024.6/47

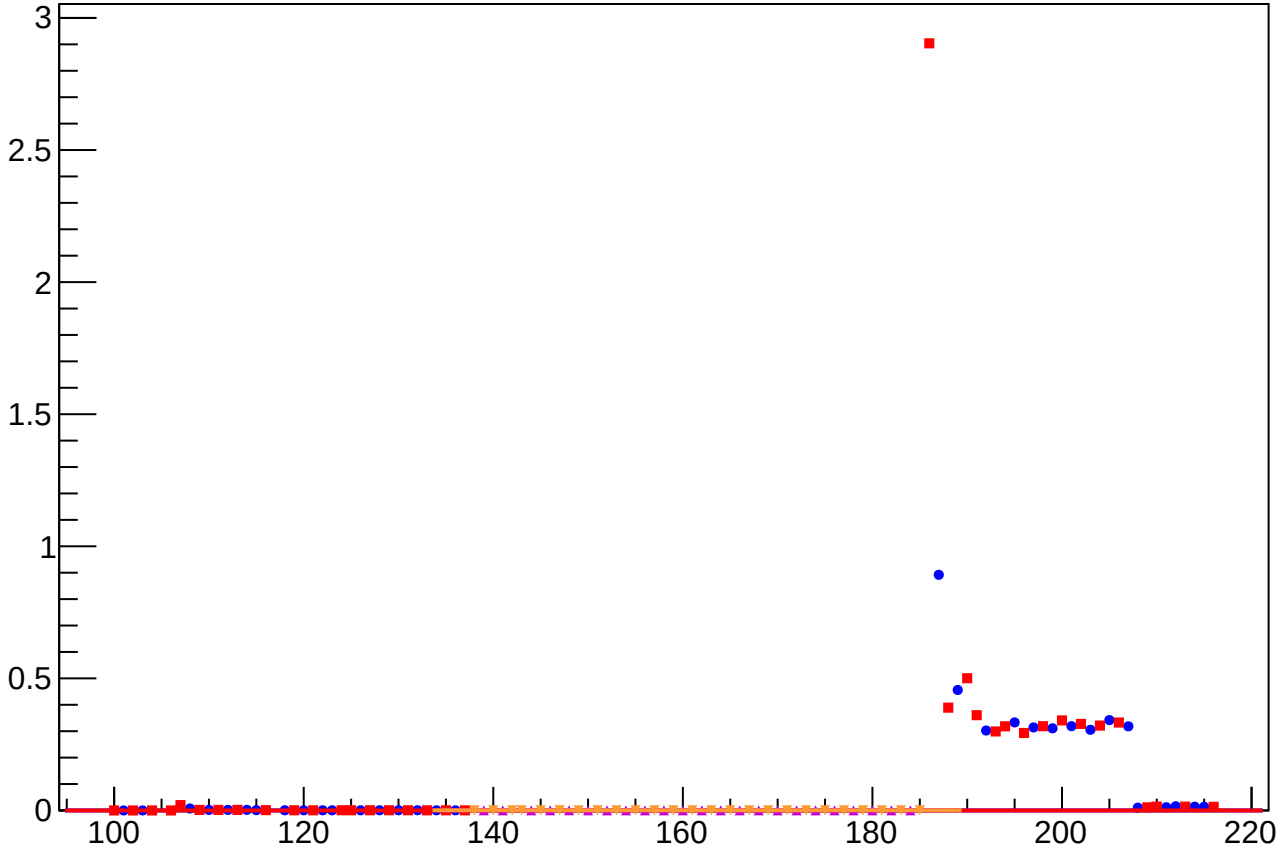
Right: 0.549+/-0.000 χ^2/NDF: 474061633188124.9/

In: 0.647+/-0.000 χ^2/NDF:33908525559928.0/54

Out: 0.436+/-0.000 χ^2/NDF:420678578165665.4/5

All: 0.537+/-0.000 χ^2/NDF: 5161120047074

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 30358126.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30323761.2/34

Left In: 0.001+/-0.000 χ^2/NDF:355587.5/22

Left: 0.001+/-0.000 χ^2/NDF: 822908.9/47

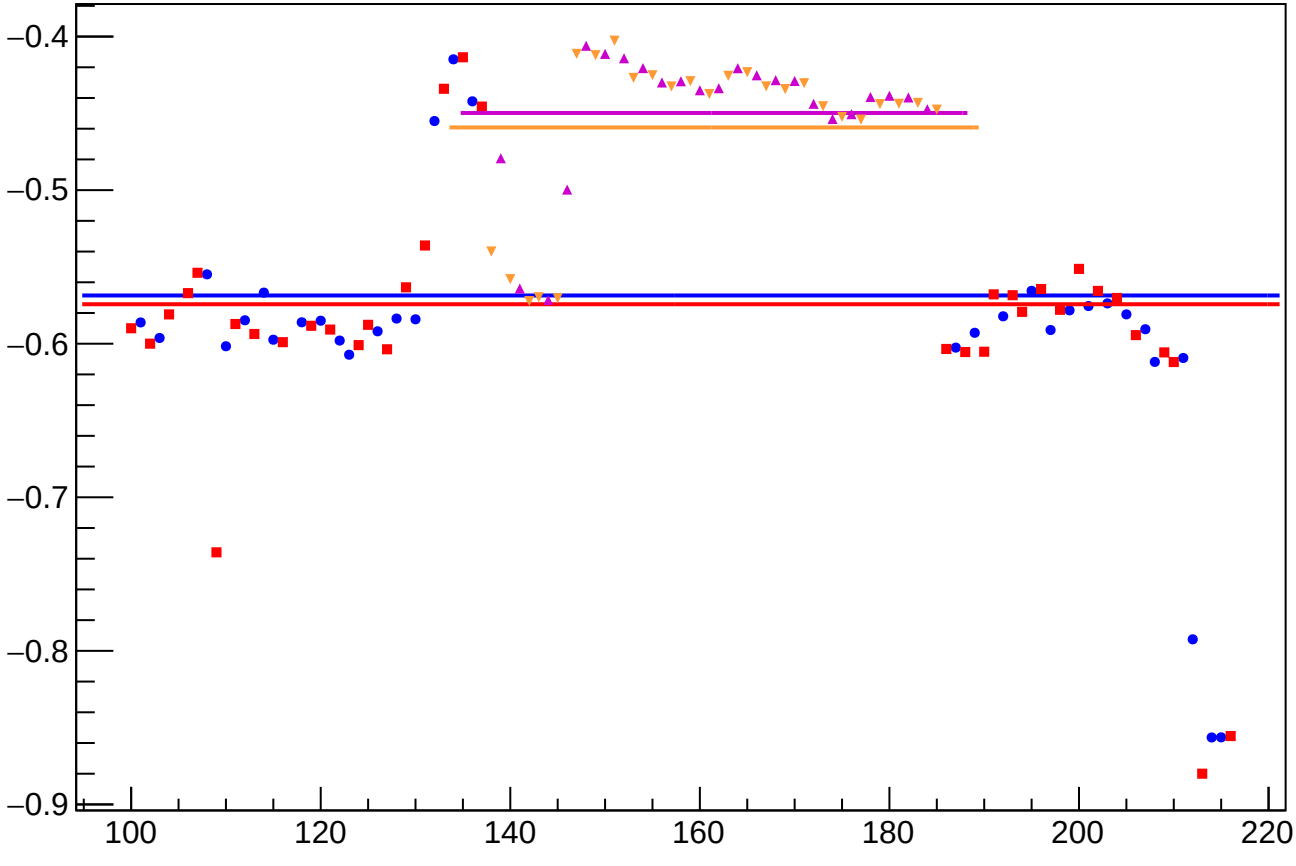
Right: 0.000+/-0.000 χ^2/NDF: 60681903.3/66

In: 0.000+/-0.000 χ^2/NDF:61325175.7/54

Out: 0.000+/-0.000 χ^2/NDF:63028978.1/59

All: 0.000+/-0.000 χ^2/NDF: 124354613.0/114

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.569+/-0.000 χ^2/NDF: 105007659.3/31

Left Out: -0.459+/-0.000 χ^2/NDF:113808762.6/24

Right Out: -0.574+/-0.000 χ^2/NDF: 109363696.6/34

Left In: -0.450+/-0.000 χ^2/NDF:76151485.7/22

Left: -0.455+/-0.000 χ^2/NDF: 191688333.2/47

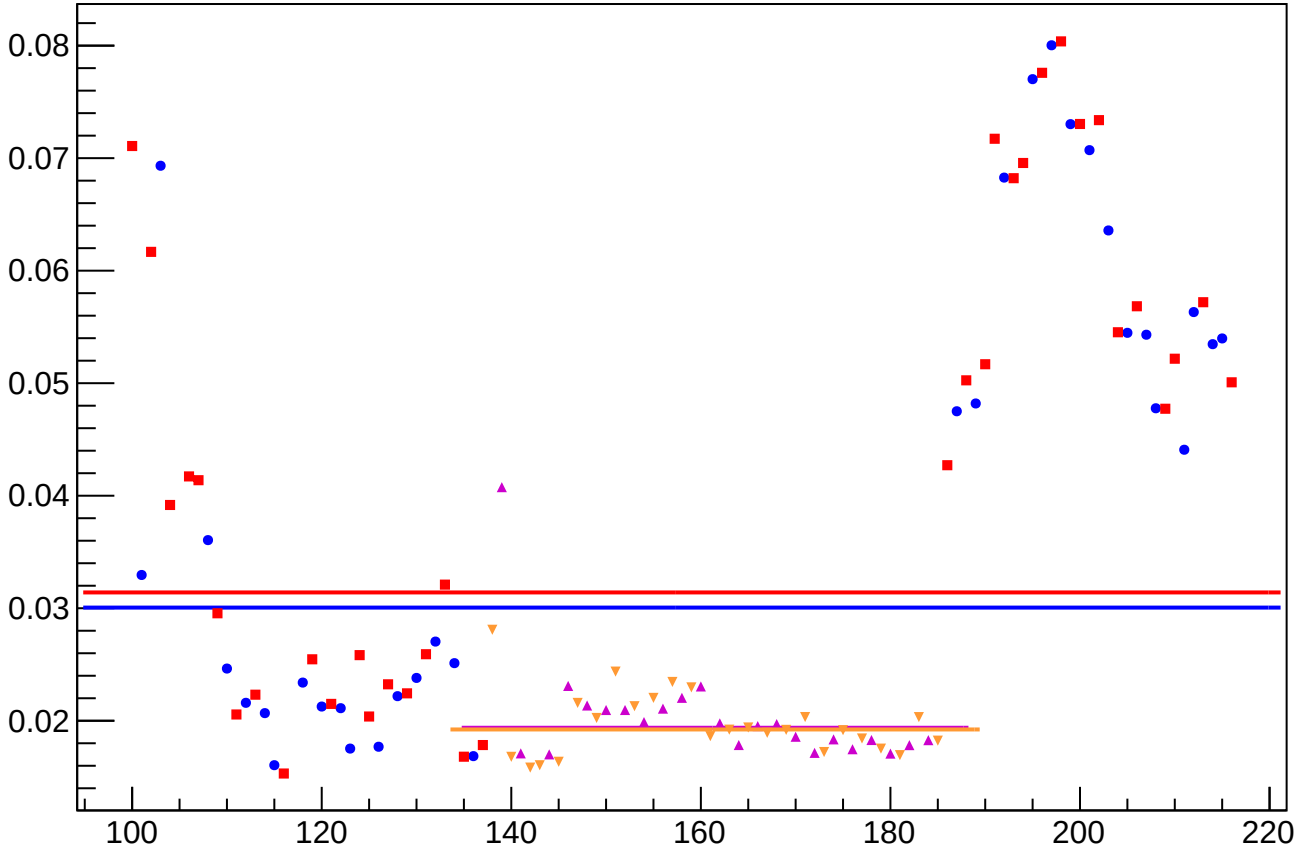
Right: -0.571+/-0.000 χ^2/NDF: 214585879.8/66

In: -0.481+/-0.000 χ^2/NDF:320778108.6/54

Out: -0.487+/-0.000 χ^2/NDF:352458889.9/59

All: -0.484+/-0.000 χ^2/NDF: 674153924.2/11

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 7502578.5/31

Left Out: 0.019+/-0.000 χ^2/NDF:501253.7/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7369058.8/34

Left In: 0.019+/-0.000 χ^2/NDF:656155.9/22

Left: 0.019+/-0.000 χ^2/NDF: 1158298.6/47

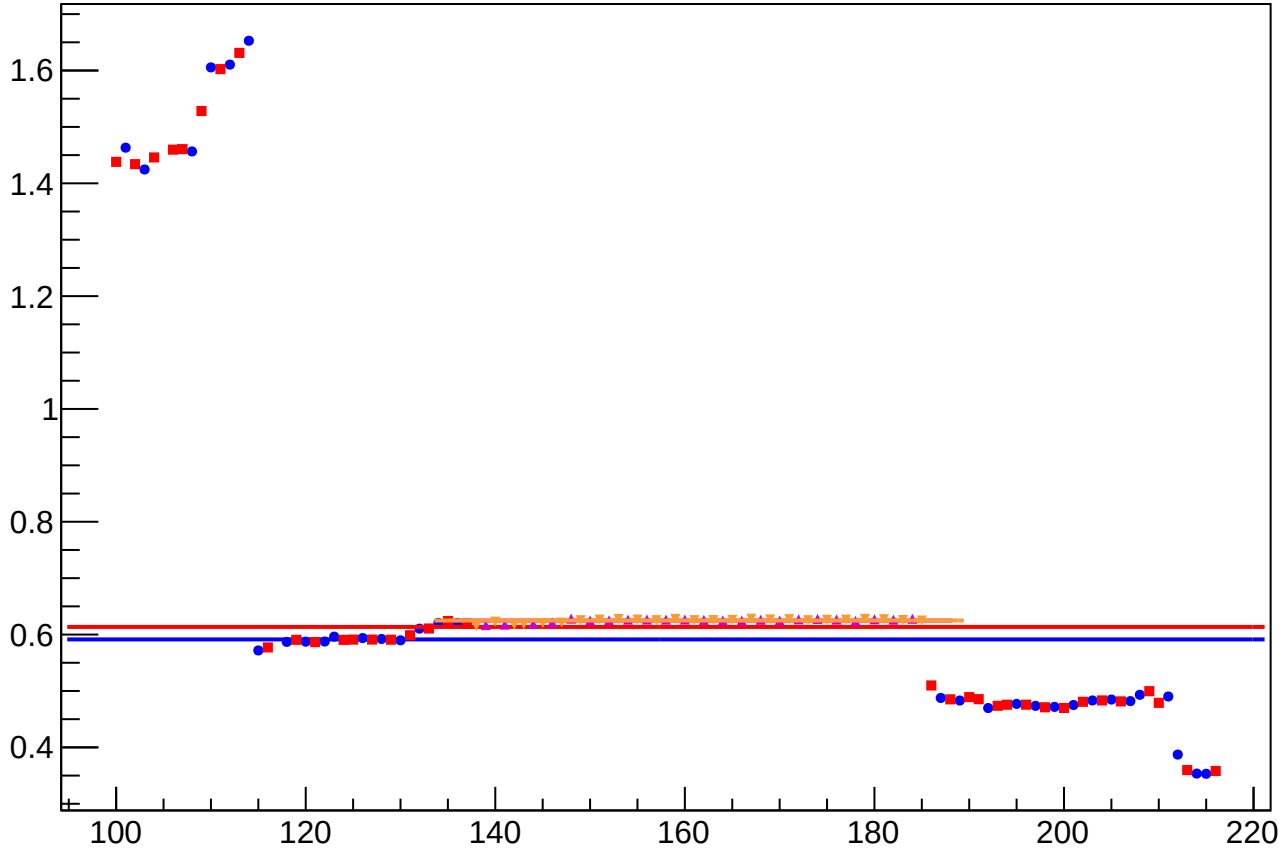
Right: 0.031+/-0.000 χ^2/NDF: 14895479.6/66

In: 0.022+/-0.000 χ^2/NDF:10414061.1/54

Out: 0.022+/-0.000 χ^2/NDF:10764352.8/59

All: 0.022+/-0.000 χ^2/NDF: 21178438.2/114

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.591+/-0.000 χ^2/NDF: 5490821464.7/31

Left Out: 0.625+/-0.000 χ^2/NDF:1442225.6/24

Right Out: 0.614+/-0.000 χ^2/NDF: 6469411320.0/34

Left In: 0.625+/-0.000 χ^2/NDF:1135039.4/22

Left: 0.625+/-0.000 χ^2/NDF: 2577573.3/47

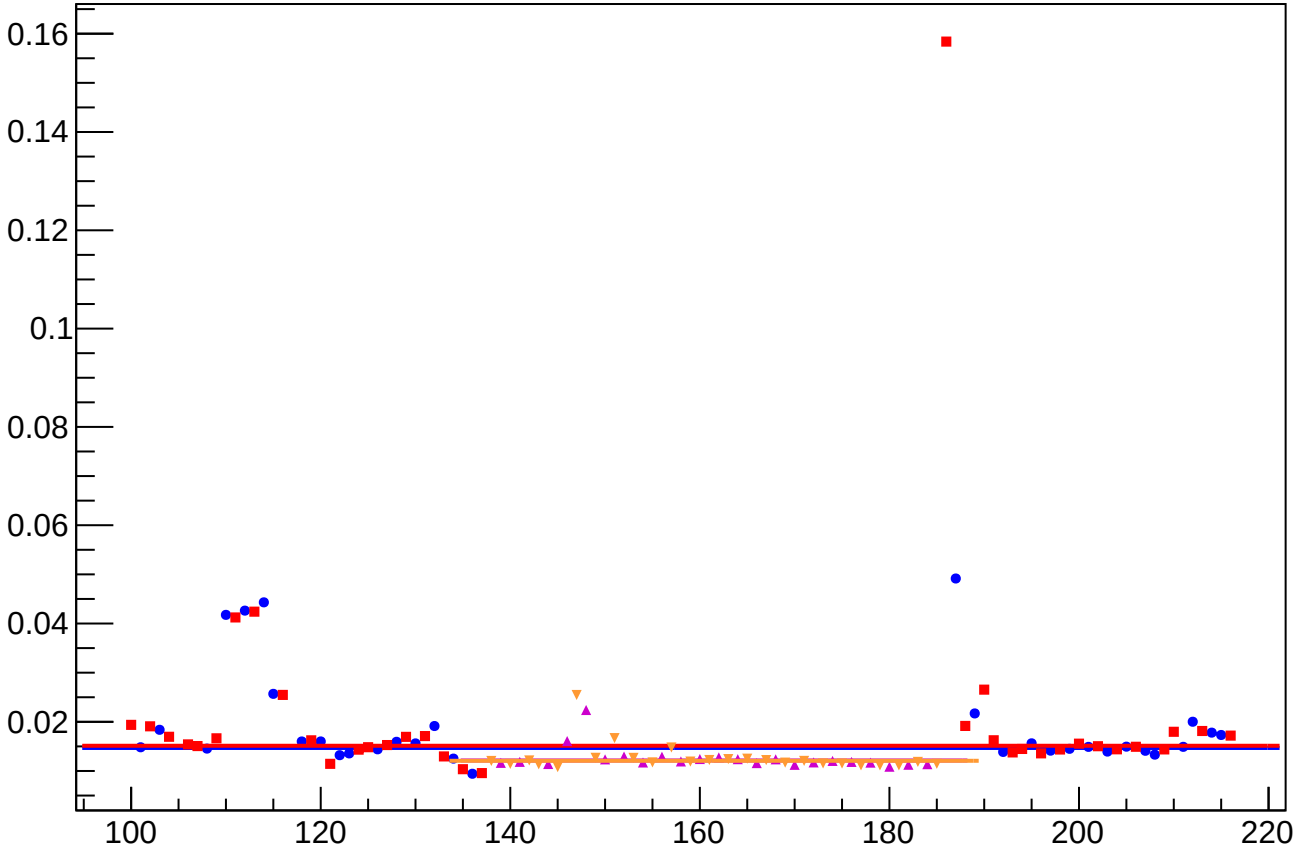
Right: 0.602+/-0.000 χ^2/NDF: 11977628988.8/66

In: 0.612+/-0.000 χ^2/NDF:5541481714.2/54

Out: 0.621+/-0.000 χ^2/NDF:6476567140.1/59

All: 0.616+/-0.000 χ^2/NDF: 12025528750.5/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1848945.0/31

Left Out: 0.012+/-0.000 χ^2/NDF:657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2176346.1/34

Left In: 0.012+/-0.000 χ^2/NDF:488249.4/22

Left: 0.012+/-0.000 χ^2/NDF: 1146144.5/47

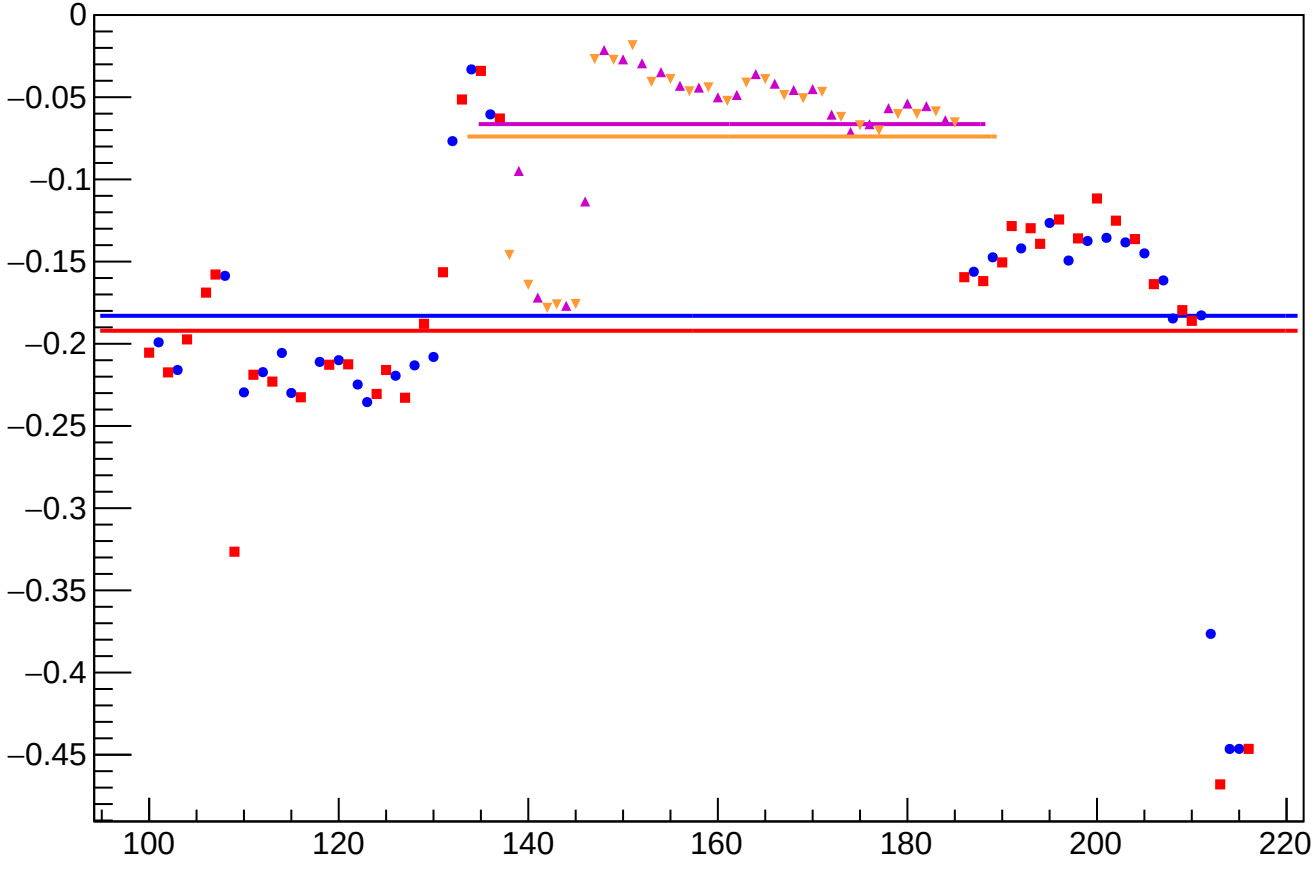
Right: 0.015+/-0.000 χ^2/NDF: 4039499.0/66

In: 0.013+/-0.000 χ^2/NDF:2912814.5/54

Out: 0.013+/-0.000 χ^2/NDF:3661224.4/59

All: 0.013+/-0.000 χ^2/NDF: 6574803.8/114

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.183+/-0.000 χ^2/NDF: 119823010.0/31

Left Out: -0.074+/-0.000 χ^2/NDF:107858881.3/24

Right Out: -0.192+/-0.000 χ^2/NDF: 125964379.2/34

Left In: -0.066+/-0.000 χ^2/NDF:76283954.4/22

Left: -0.070+/-0.000 χ^2/NDF: 185261776.8/47

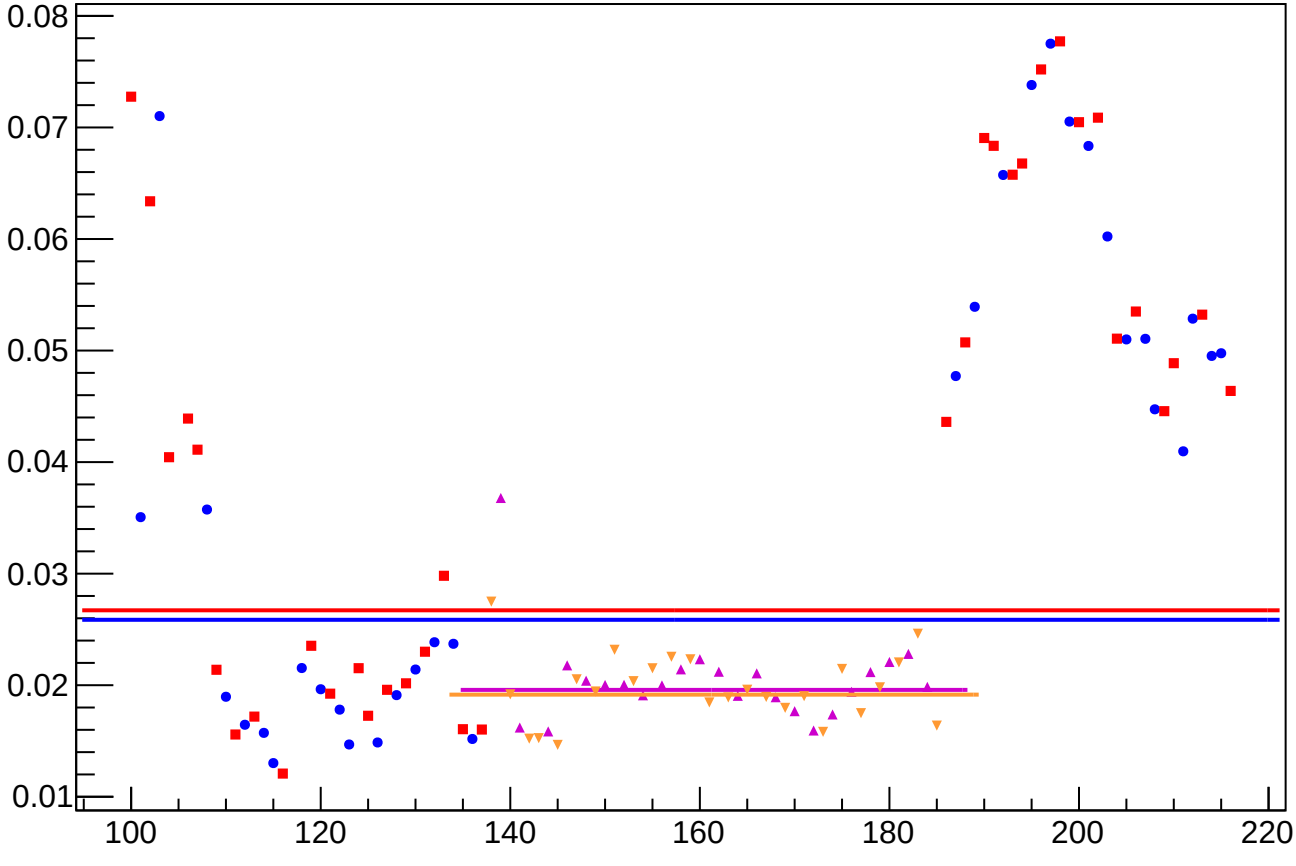
Right: -0.187+/-0.000 χ^2/NDF: 246486975.0/66

In: -0.103+/-0.000 χ^2/NDF:356462244.4/54

Out: -0.108+/-0.000 χ^2/NDF:399517672.5/59

All: -0.106+/-0.000 χ^2/NDF: 756645517.8/11

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 8789078.4/31

Left Out: 0.019+/-0.000 χ^2/NDF:641027.3/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9002714.4/34

Left In: 0.020+/-0.000 χ^2/NDF:651328.7/22

Left: 0.019+/-0.000 χ^2/NDF: 1299461.3/47

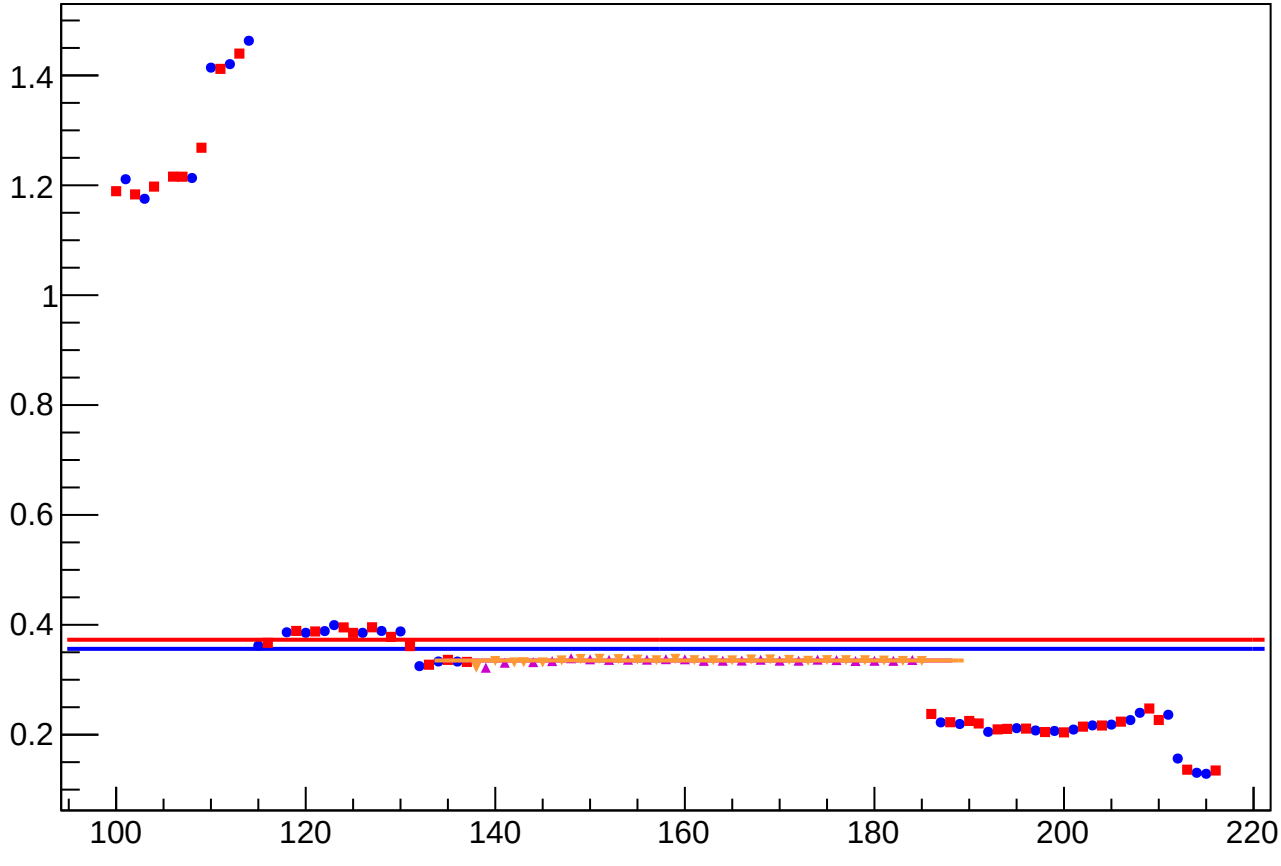
Right: 0.026+/-0.000 χ^2/NDF: 17804053.0/66

In: 0.022+/-0.000 χ^2/NDF:10371450.6/54

Out: 0.021+/-0.000 χ^2/NDF:11000288.8/59

All: 0.021+/-0.000 χ^2/NDF: 21374624.8/114

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.356+/-0.000 χ^2/NDF: 7930449959.1/31

Left Out: 0.335+/-0.000 χ^2/NDF:1153956.7/24

Right Out: 0.373+/-0.000 χ^2/NDF: 8958326296.2/34

Left In: 0.335+/-0.000 χ^2/NDF:1198302.8/22

Left: 0.335+/-0.000 χ^2/NDF: 2352818.7/47

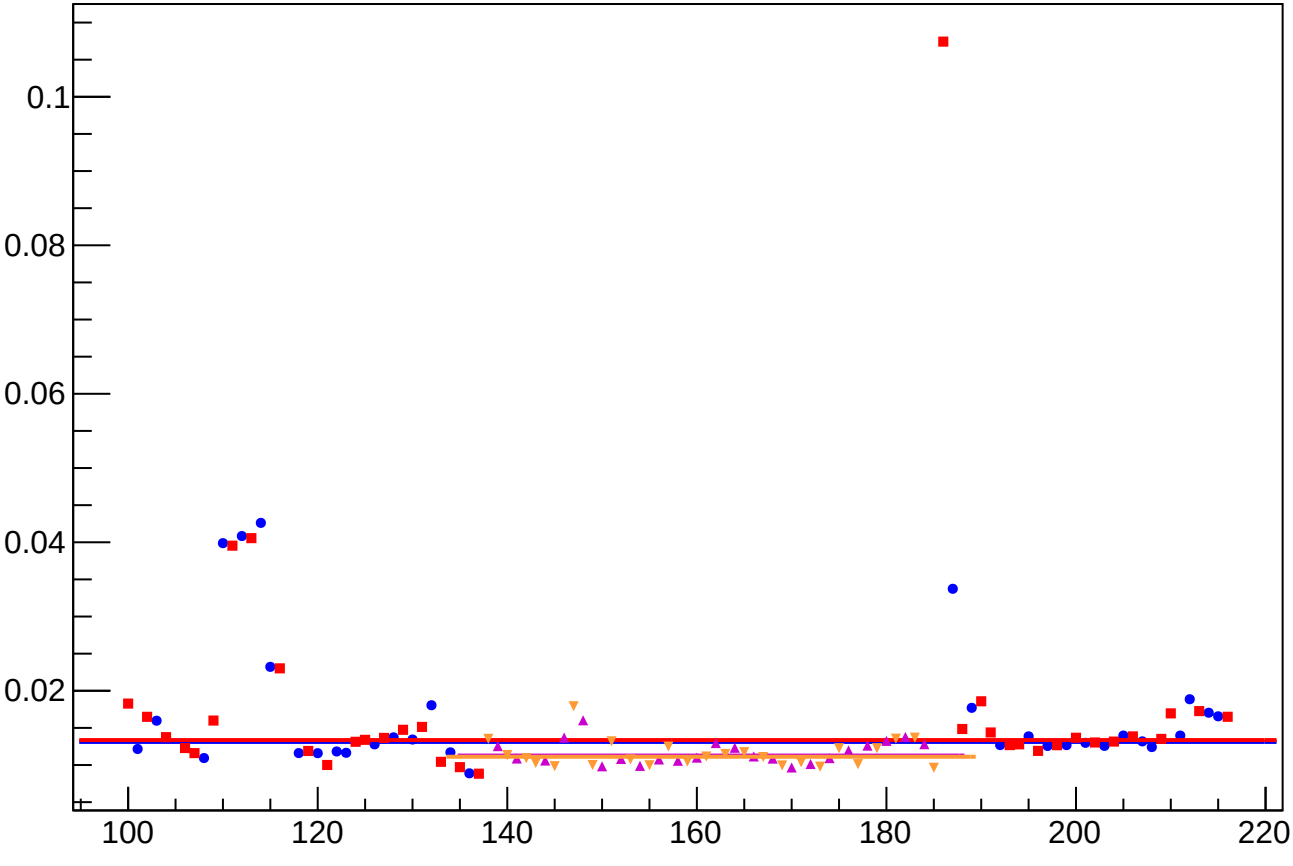
Right: 0.364+/-0.000 χ^2/NDF: 16901173114.8/66

In: 0.344+/-0.000 χ^2/NDF:7955791507.1/54

Out: 0.350+/-0.000 χ^2/NDF:9037328108.3/59

All: 0.347+/-0.000 χ^2/NDF: 16997117338.3/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1829139.1/31

Left Out: 0.011+/-0.000 χ^2/NDF:608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2138044.8/34

Left In: 0.011+/-0.000 χ^2/NDF:502226.7/22

Left: 0.011+/-0.000 χ^2/NDF: 1113859.9/47

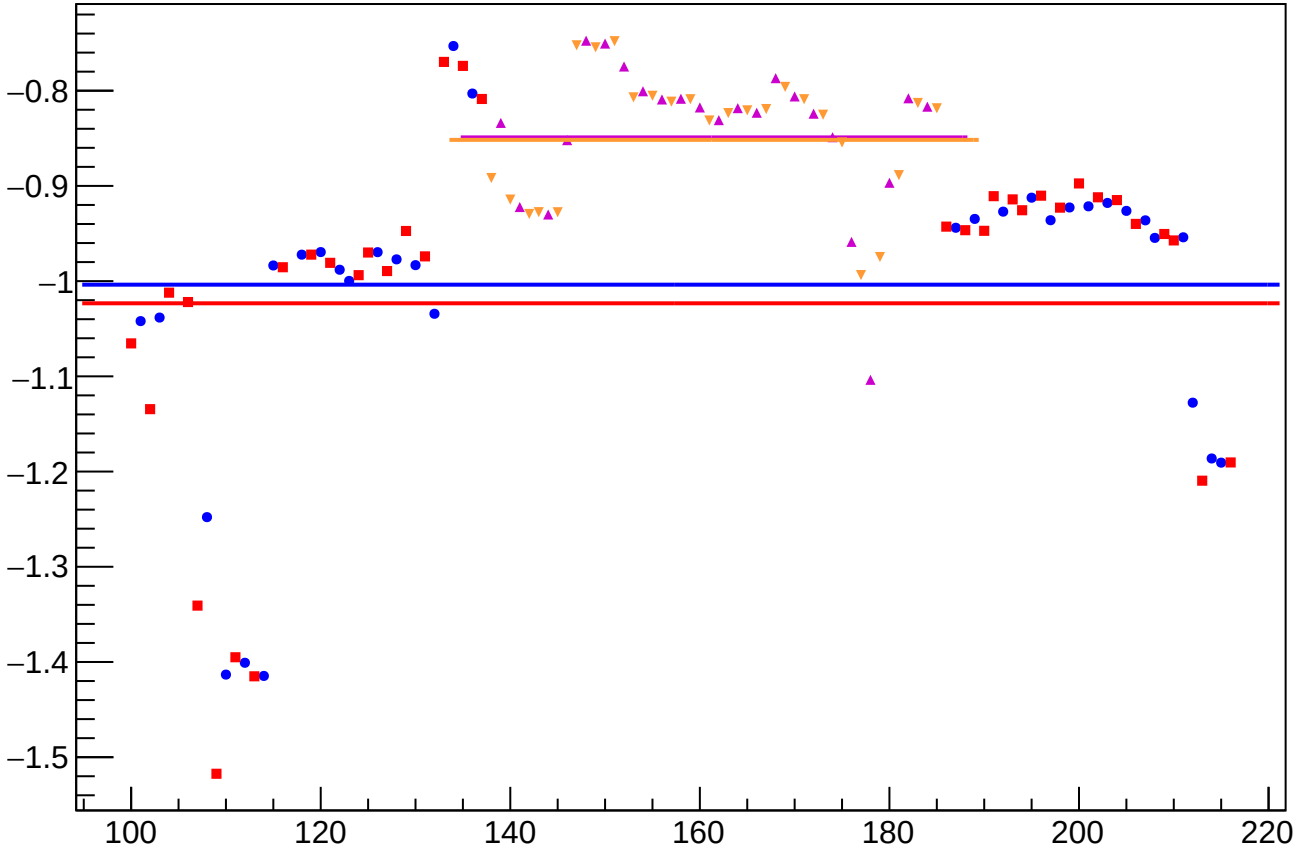
Right: 0.013+/-0.000 χ^2/NDF: 3972816.1/66

In: 0.012+/-0.000 χ^2/NDF:2693054.2/54

Out: 0.012+/-0.000 χ^2/NDF:3297225.9/59

All: 0.012+/-0.000 χ^2/NDF: 5990736.9/114

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.004+/-0.000 χ^2/NDF: 426603393.9/31

Left Out: -0.852+/-0.000 χ^2/NDF:189276591.7/24

Right Out: -1.023+/-0.000 χ^2/NDF: 575394179.2/34

Left In: -0.849+/-0.000 χ^2/NDF:256438306.8/22

Left: -0.850+/-0.000 χ^2/NDF: 445849768.4/47

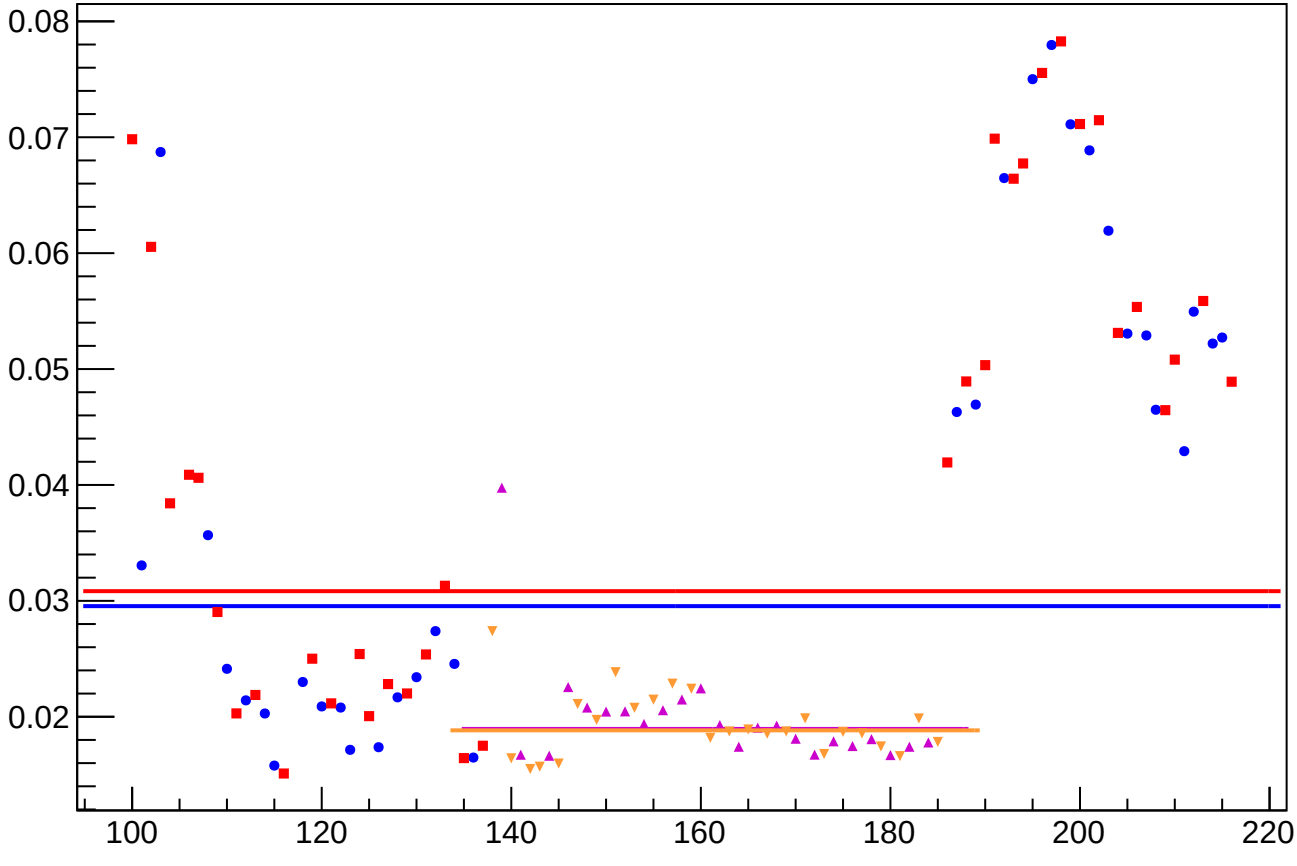
Right: -1.013+/-0.000 χ^2/NDF: 1004611090.3/66

In: -0.890+/-0.000 χ^2/NDF:929020211.5/54

Out: -0.893+/-0.000 χ^2/NDF:1063625662.8/59

All: -0.891+/-0.000 χ^2/NDF: 1992973873.6/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 7439380.8/31

Left Out: 0.019+/-0.000 χ^2/NDF:490084.5/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7287089.1/34

Left In: 0.019+/-0.000 χ^2/NDF:645048.1/22

Left: 0.019+/-0.000 χ^2/NDF: 1135735.6/47

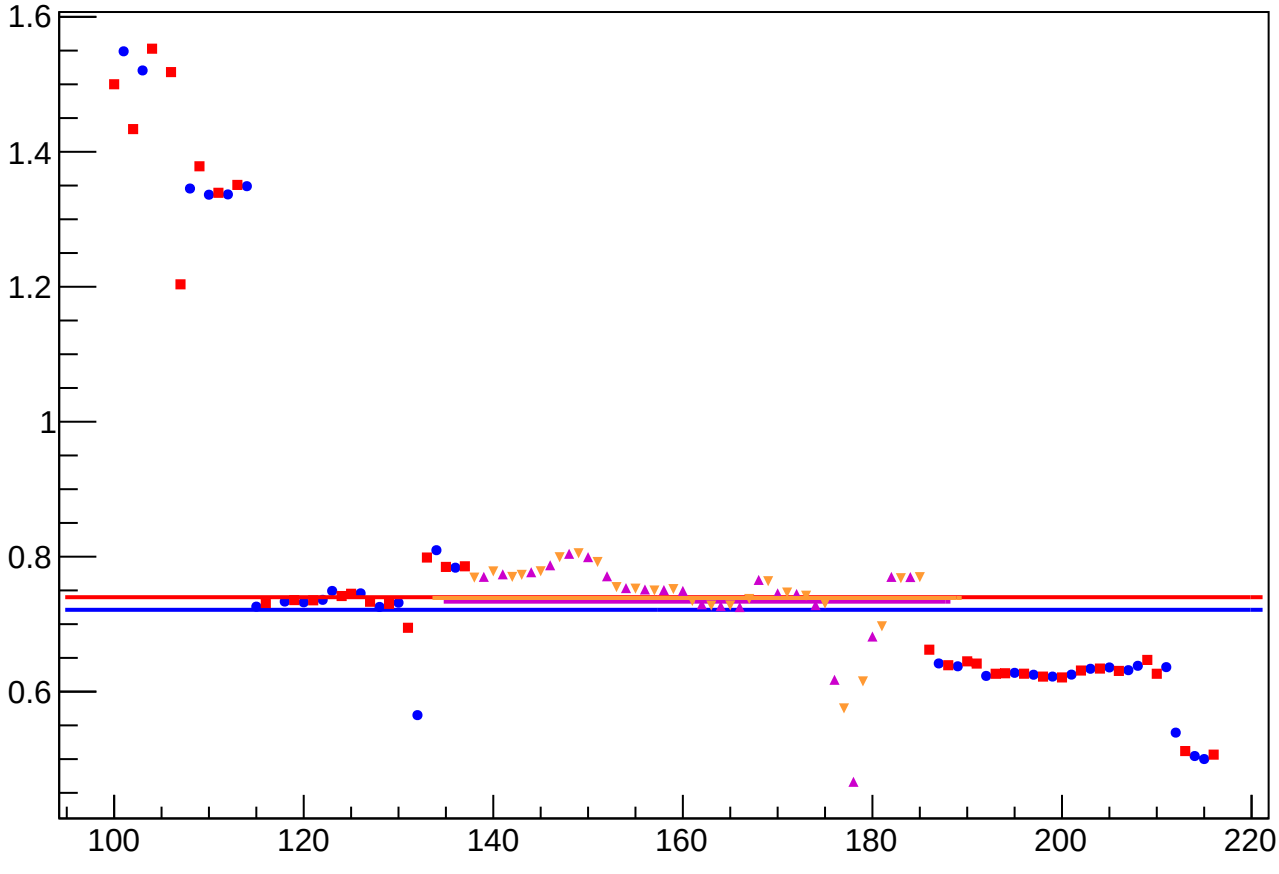
Right: 0.030+/-0.000 χ^2/NDF: 14749290.3/66

In: 0.022+/-0.000 χ^2/NDF:10392703.0/54

Out: 0.022+/-0.000 χ^2/NDF:10703829.9/59

All: 0.022+/-0.000 χ^2/NDF: 21096533.0/114

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.721+/-0.000 χ^2/NDF: 3823700200.6/31

Left Out: 0.739+/-0.000 χ^2/NDF:333086309.0/24

Right Out: 0.740+/-0.000 χ^2/NDF: 4092451772.7/34

Left In: 0.733+/-0.000 χ^2/NDF:570264411.7/22

Left: 0.736+/-0.000 χ^2/NDF: 905100069.4/47

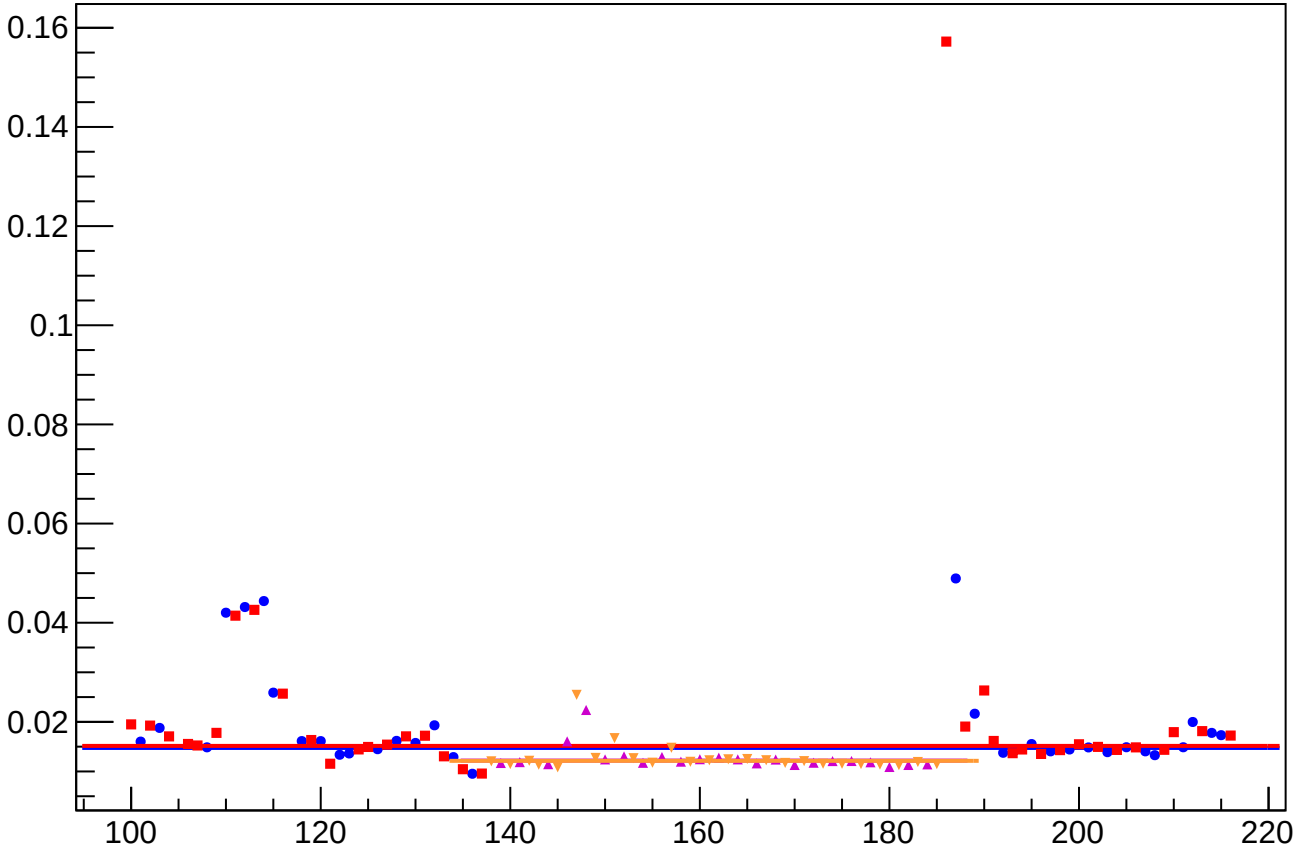
Right: 0.730+/-0.000 χ^2/NDF: 7928480233.1/66

In: 0.729+/-0.000 χ^2/NDF:4400362310.8/54

Out: 0.739+/-0.000 χ^2/NDF:4425595059.0/59

All: 0.734+/-0.000 χ^2/NDF: 8836438090.8/11

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1843271.5/31

Left Out: 0.012+/-0.000 χ^2/NDF:638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2179195.2/34

Left In: 0.012+/-0.000 χ^2/NDF:481639.6/22

Left: 0.012+/-0.000 χ^2/NDF: 1120132.0/47

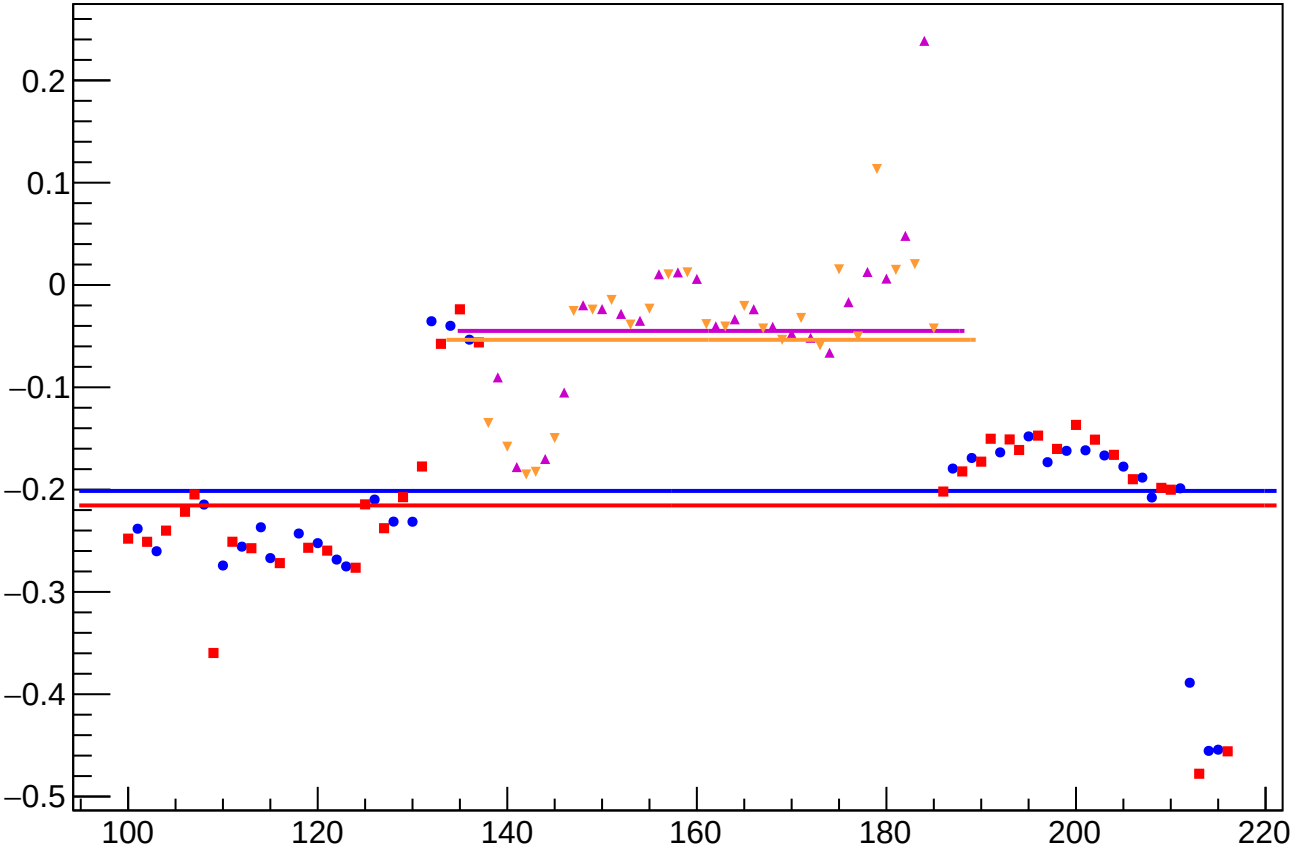
Right: 0.015+/-0.000 χ^2/NDF: 4034318.7/66

In: 0.013+/-0.000 χ^2/NDF:2897684.8/54

Out: 0.013+/-0.000 χ^2/NDF:3614694.4/59

All: 0.013+/-0.000 χ^2/NDF: 6513164.4/114

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.201+/-0.000 χ^2/NDF: 153397460.0/31

Left Out: -0.054+/-0.000 χ^2/NDF:167879648.0/24

Right Out: -0.215+/-0.000 χ^2/NDF: 148872613.1/34

Left In: -0.045+/-0.000 χ^2/NDF:127324000.1/22

Left: -0.049+/-0.000 χ^2/NDF: 296677486.5/47

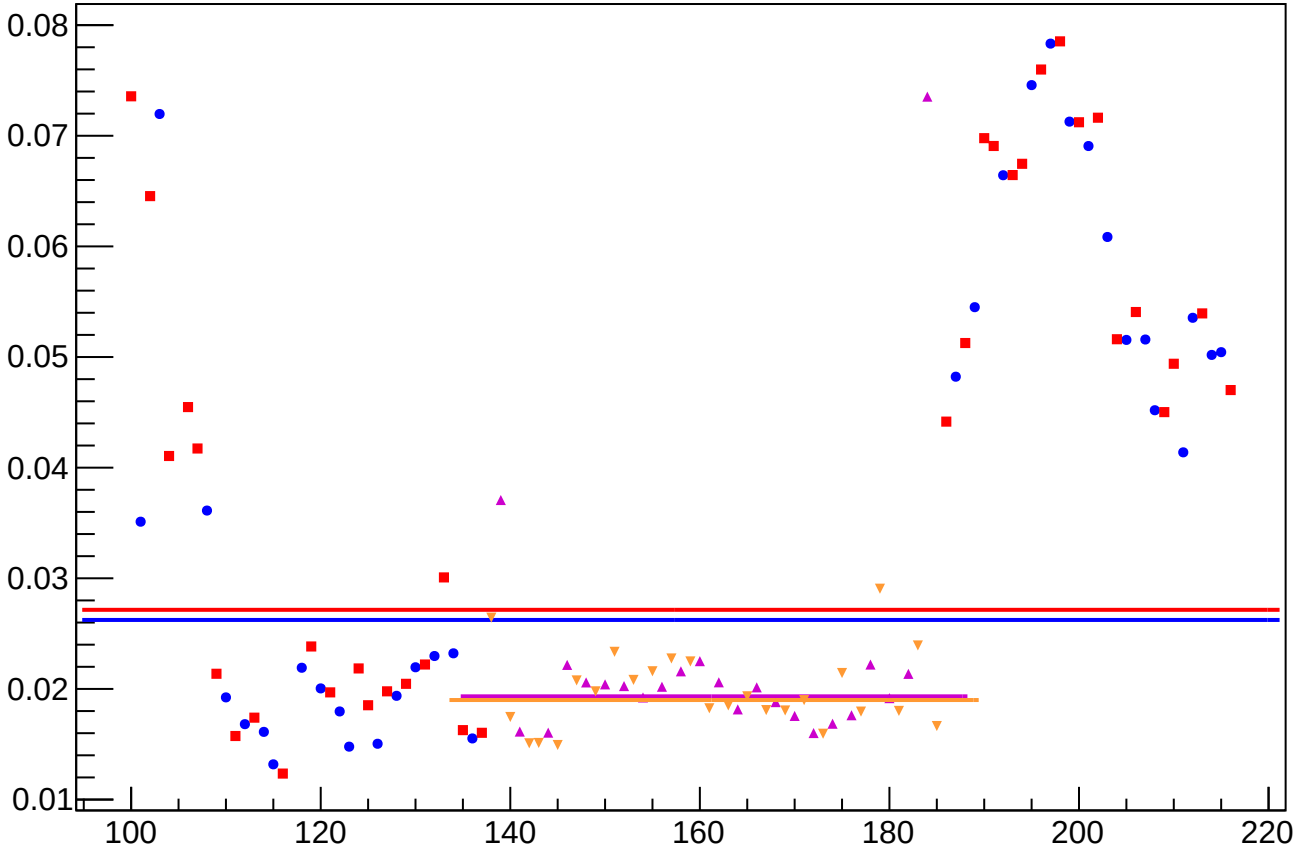
Right: -0.208+/-0.000 χ^2/NDF: 303924826.4/66

In: -0.093+/-0.000 χ^2/NDF:563666349.6/54

Out: -0.100+/-0.000 χ^2/NDF:619657941.1/59

All: -0.097+/-0.000 χ^2/NDF: 1184436366.5/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 8728022.7/31

Left Out: 0.019+/-0.000 χ^2/NDF:699267.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 8942976.9/34

Left In: 0.019+/-0.000 χ^2/NDF:892810.7/22

Left: 0.019+/-0.000 χ^2/NDF: 1596405.3/47

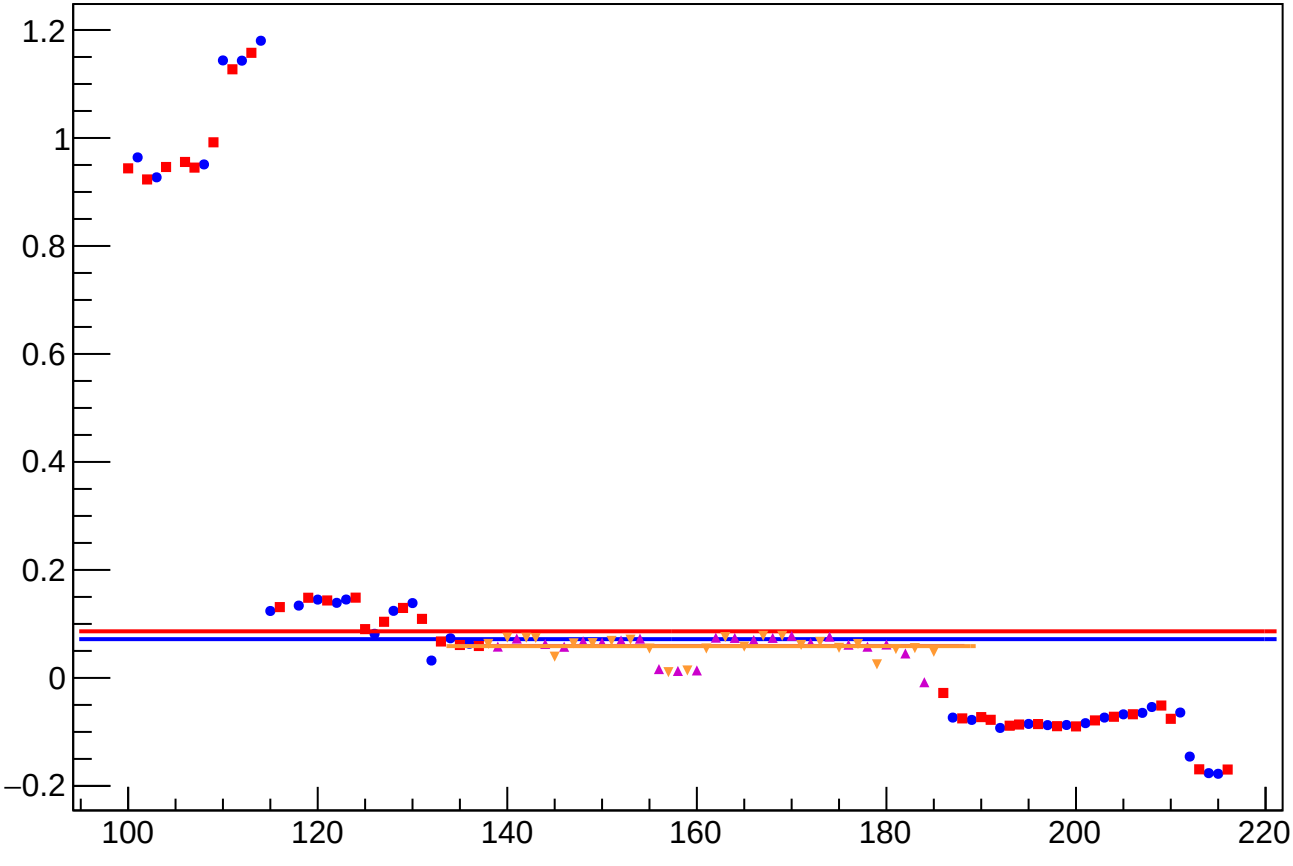
Right: 0.027+/-0.000 χ^2/NDF: 17684806.9/66

In: 0.021+/-0.000 χ^2/NDF:10723542.4/54

Out: 0.021+/-0.000 χ^2/NDF:11179228.9/59

All: 0.021+/-0.000 χ^2/NDF: 21904036.4/114

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 8645117781.1/31

Left Out: 0.059+/-0.000 χ^2/NDF:46902918.4/24

Right Out: 0.086+/-0.000 χ^2/NDF: 9511650836.6/34

Left In: 0.059+/-0.000 χ^2/NDF:58640898.5/22

Left: 0.059+/-0.000 χ^2/NDF: 105549886.8/47

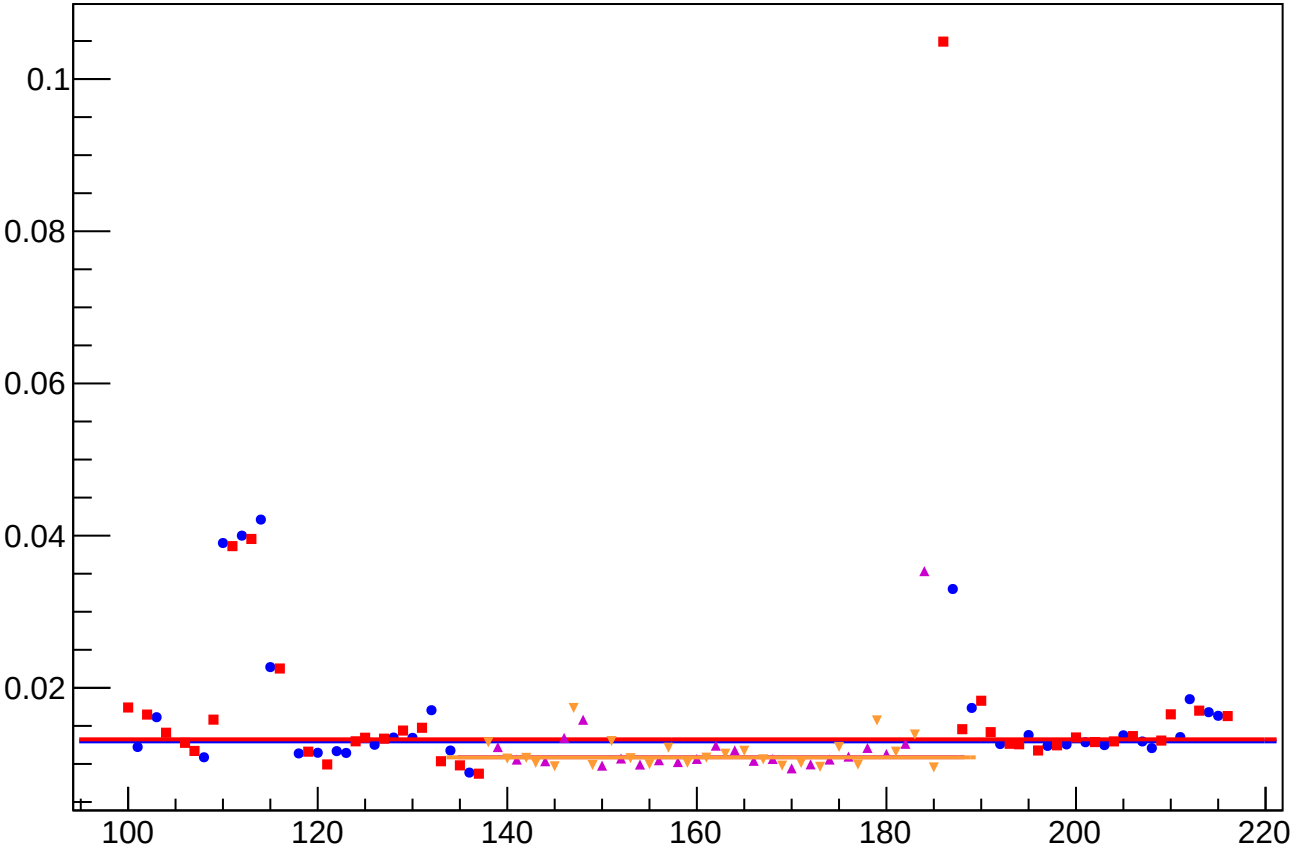
Right: 0.079+/-0.000 χ^2/NDF: 18166416813.1/66

In: 0.064+/-0.000 χ^2/NDF:8712582334.6/54

Out: 0.069+/-0.000 χ^2/NDF:9600429829.5/59

All: 0.067+/-0.000 χ^2/NDF: 18316143309.6/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1781931.2/31

Left Out: 0.011+/-0.000 χ^2/NDF:605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2081127.7/34

Left In: 0.011+/-0.000 χ^2/NDF:529867.3/22

Left: 0.011+/-0.000 χ^2/NDF: 1135492.7/47

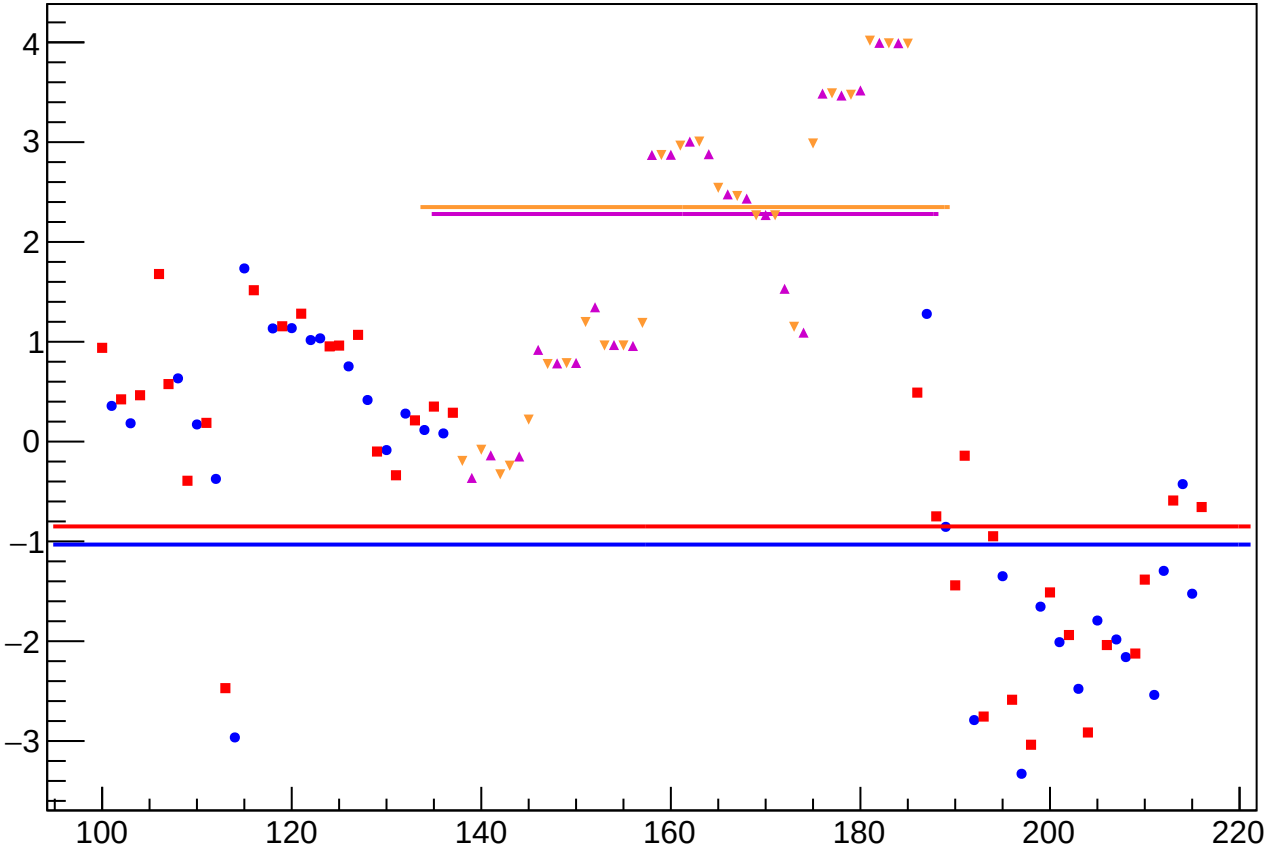
Right: 0.013+/-0.000 χ^2/NDF: 3869398.2/66

In: 0.012+/-0.000 χ^2/NDF:2789634.0/54

Out: 0.012+/-0.000 χ^2/NDF:3311276.6/59

All: 0.012+/-0.000 χ^2/NDF: 6101430.6/114

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -1.032+/-0.000 χ^2/NDF: 7858838710.4/31

Left Out: 2.349+/-0.000 χ^2/NDF:63600066268.3/24

Right Out: -0.850+/-0.000 χ^2/NDF: 8183549294.9/34

Left In: 2.280+/-0.000 χ^2/NDF:61444254541.3/22

Left: 2.314+/-0.000 χ^2/NDF: 125168787170.9/47

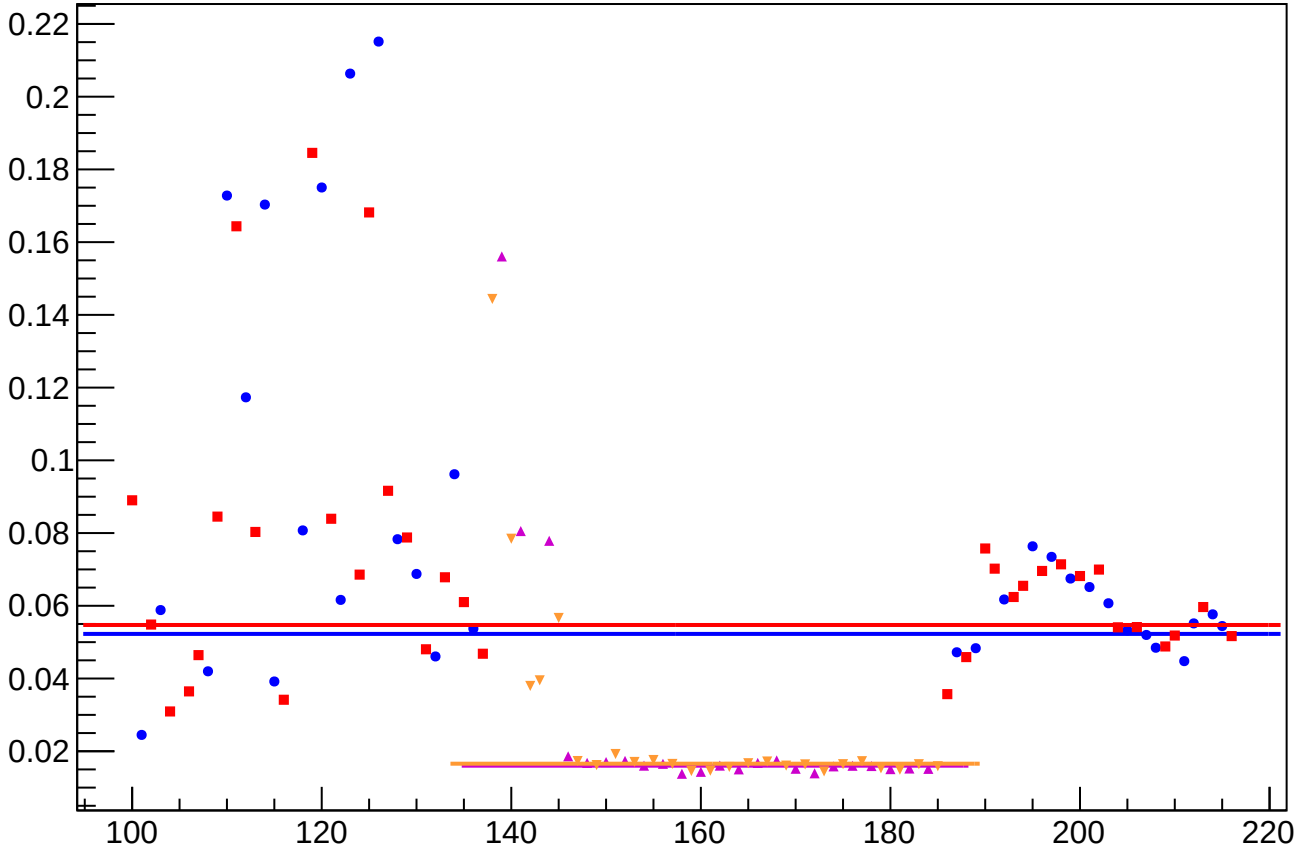
Right: -0.943+/-0.000 χ^2/NDF: 16121035945.0/66

In: 1.998+/-0.000 χ^2/NDF:118041125915.5/54

Out: 2.081+/-0.000 χ^2/NDF:115686334717.5/59

All: 2.039+/-0.000 χ^2/NDF: 233921036319.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3525699.8/31

Left Out: 0.017+/-0.000 χ^2/NDF:2623615.6/24

Right Out: 0.055+/-0.000 χ^2/NDF: 2878874.0/34

Left In: 0.016+/-0.000 χ^2/NDF:2463853.3/22

Left: 0.016+/-0.000 χ^2/NDF: 5102815.6/47

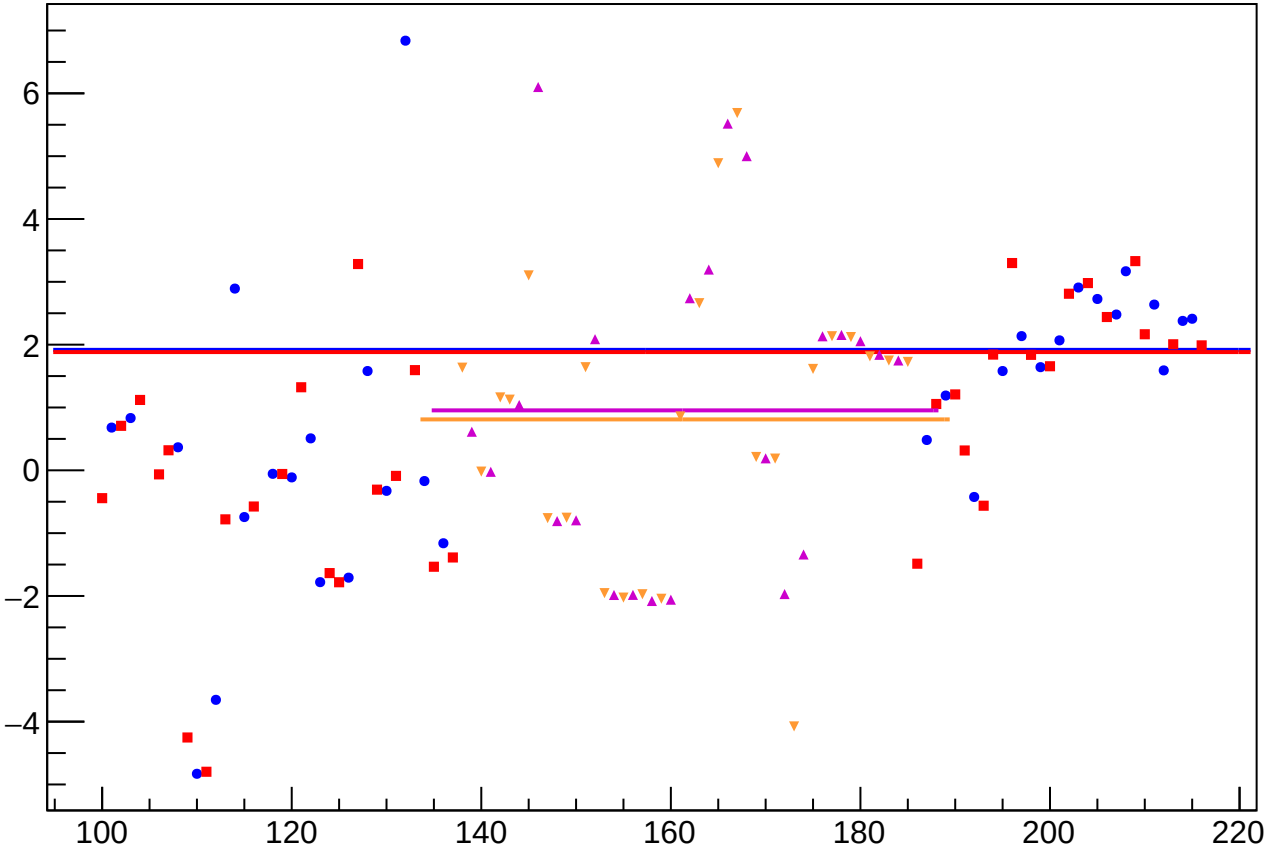
Right: 0.053+/-0.000 χ^2/NDF: 6433330.2/66

In: 0.019+/-0.000 χ^2/NDF:17658179.0/54

Out: 0.020+/-0.000 χ^2/NDF:17982904.9/59

All: 0.019+/-0.000 χ^2/NDF: 35665782.0/114

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.917+/-0.000 χ^2/NDF: 39446560545.5/31

Left Out: 0.810+/-0.000 χ^2/NDF:507583198570.2/24

Right Out: 1.882+/-0.000 χ^2/NDF: 39553338359.4/34

Left In: 0.954+/-0.000 χ^2/NDF:574792794608.3/22

Left: 0.883+/-0.000 χ^2/NDF: 1083260277372.9/47

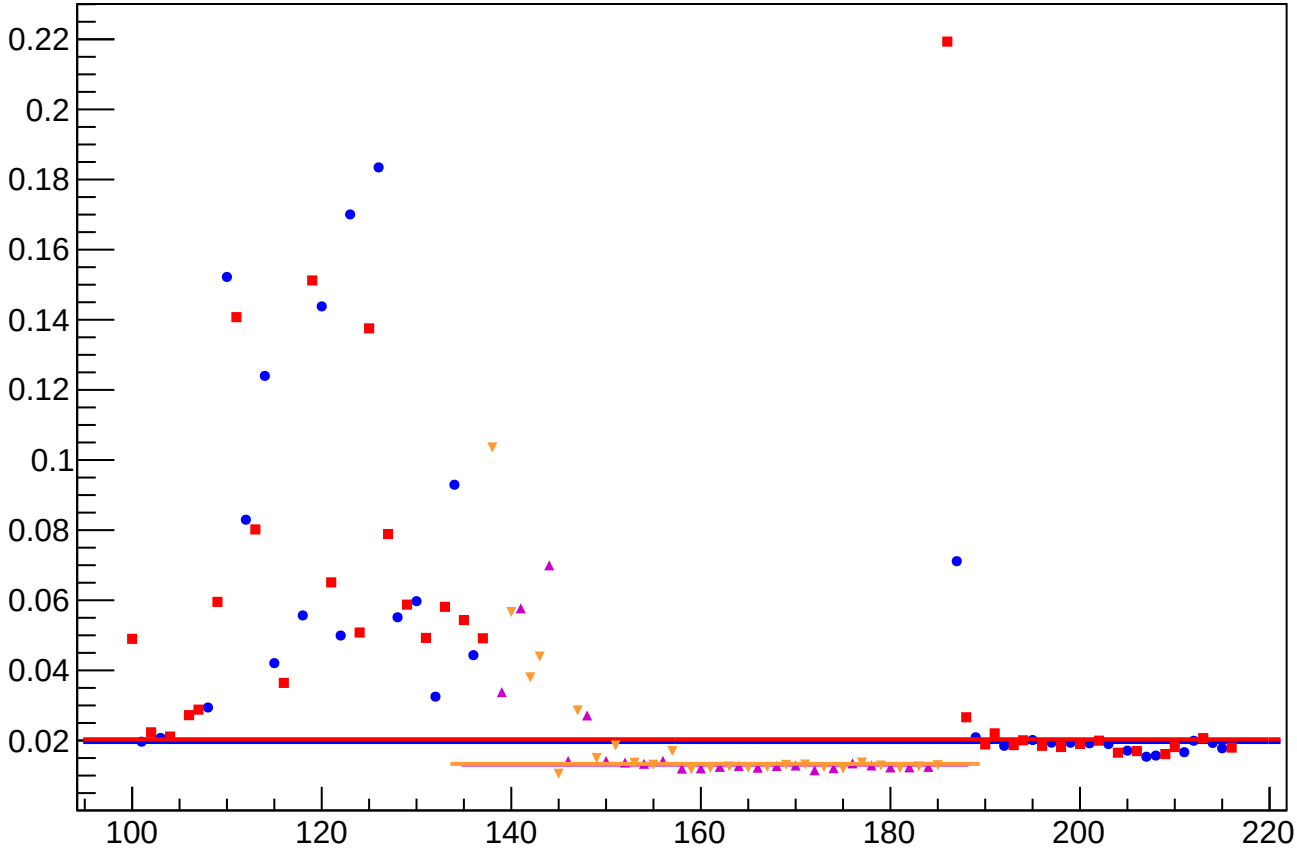
Right: 1.900+/-0.000 χ^2/NDF: 79018764755.9/66

In: 1.213+/-0.000 χ^2/NDF:635559685747.2/54

Out: 1.087+/-0.000 χ^2/NDF:572334328452.2/59

All: 1.150+/-0.000 χ^2/NDF: 1208815990991.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 4126044.7/31

Left Out: 0.013+/-0.000 χ^2/NDF:2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5189635.7/34

Left In: 0.013+/-0.000 χ^2/NDF:1968206.9/22

Left: 0.013+/-0.000 χ^2/NDF: 4800890.3/47

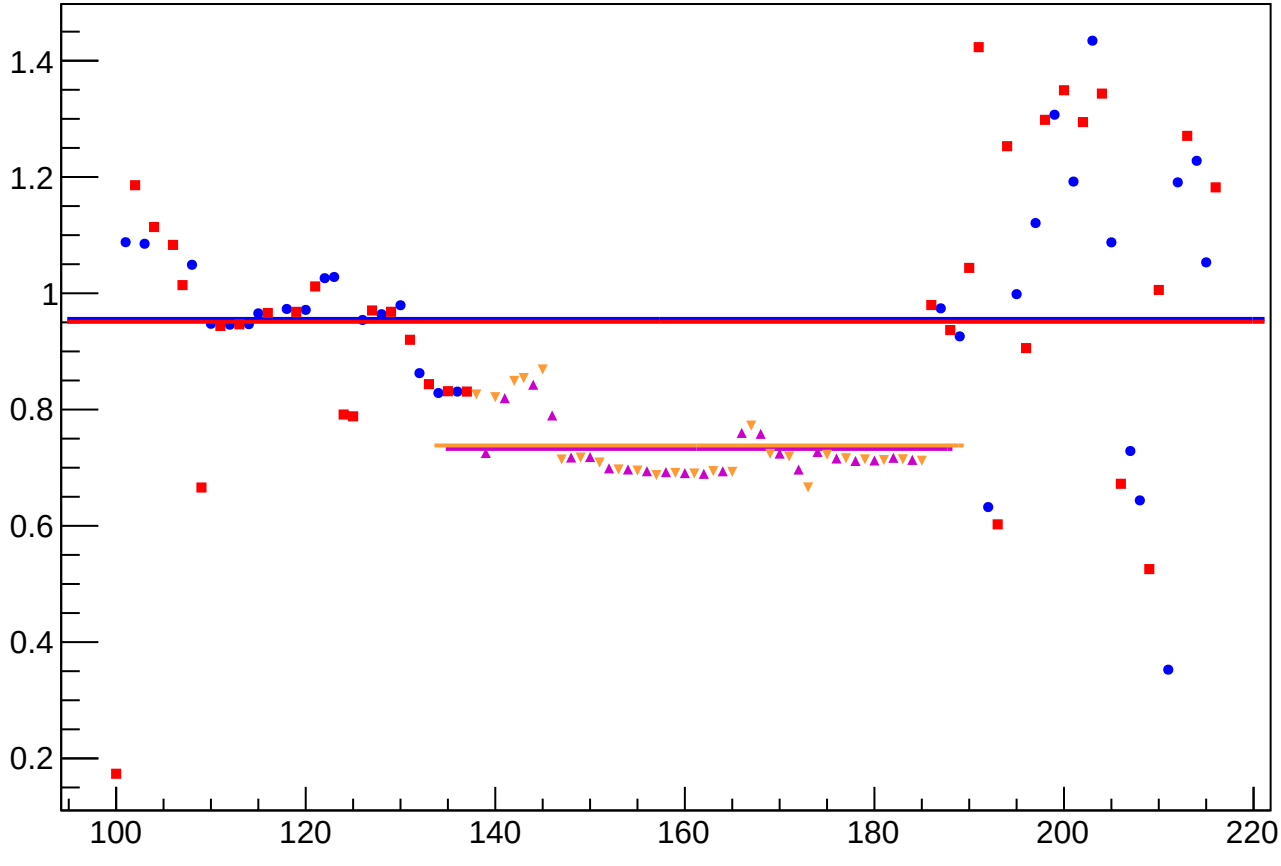
Right: 0.020+/-0.000 χ^2/NDF: 9334845.8/66

In: 0.015+/-0.000 χ^2/NDF:7995885.9/54

Out: 0.015+/-0.000 χ^2/NDF:10179949.1/59

All: 0.015+/-0.000 χ^2/NDF: 18185486.8/114

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.956+/-0.000 χ^2/NDF: 977256106.4/31

Left Out: 0.738+/-0.000 χ^2/NDF:310610047.7/24

Right Out: 0.951+/-0.000 χ^2/NDF: 1238216594.5/34

Left In: 0.732+/-0.000 χ^2/NDF:170806298.1/22

Left: 0.735+/-0.000 χ^2/NDF: 482865670.9/47

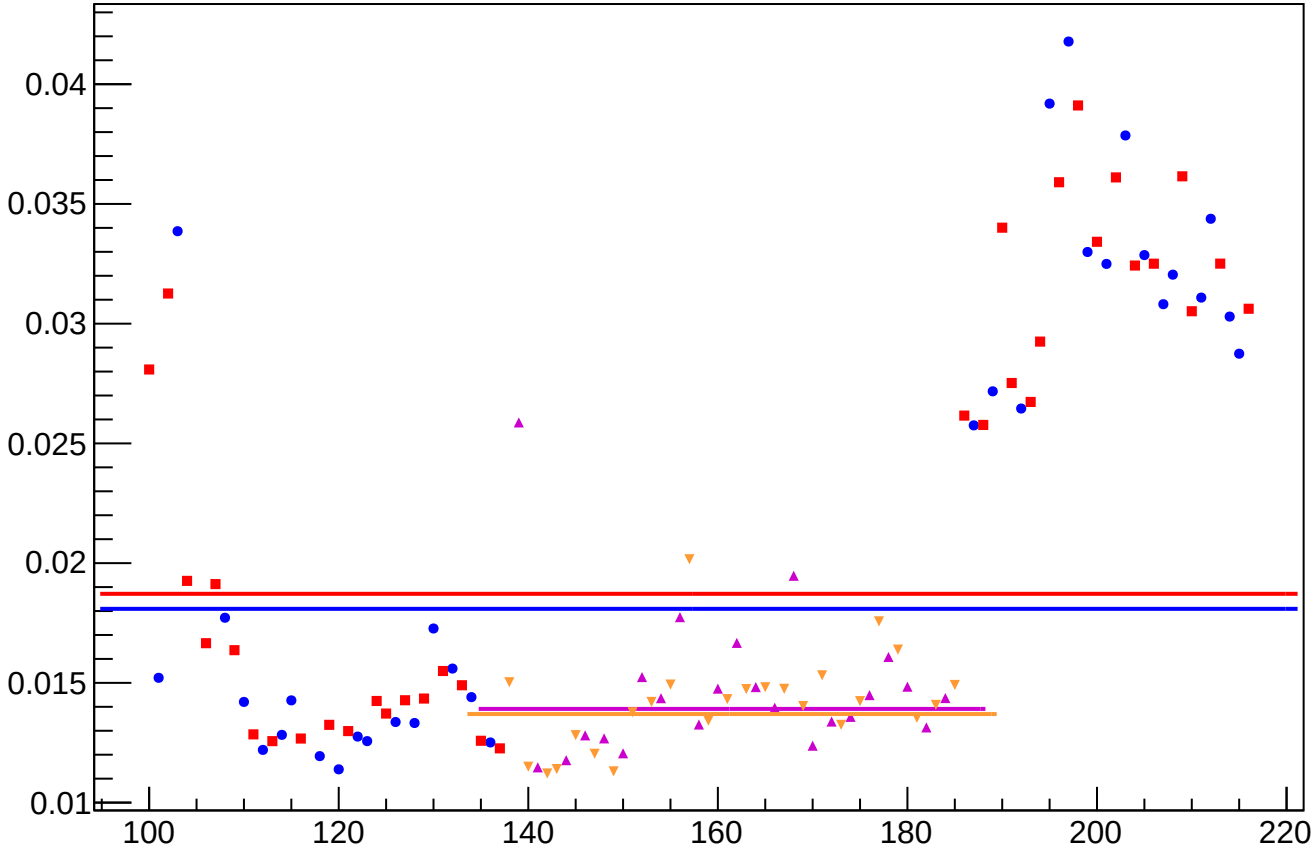
Right: 0.953+/-0.000 χ^2/NDF: 2215957780.8/66

In: 0.807+/-0.000 χ^2/NDF:2481531074.4/54

Out: 0.805+/-0.000 χ^2/NDF:2777084342.8/59

All: 0.806+/-0.000 χ^2/NDF: 5258760988.2/11

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 5554809.0/31

Left Out: 0.014+/-0.000 χ^2/NDF:530851.9/24

Right Out: 0.019+/-0.000 χ^2/NDF: 4993612.0/34

Left In: 0.014+/-0.000 χ^2/NDF:794558.0/22

Left: 0.014+/-0.000 χ^2/NDF: 1329255.3/47

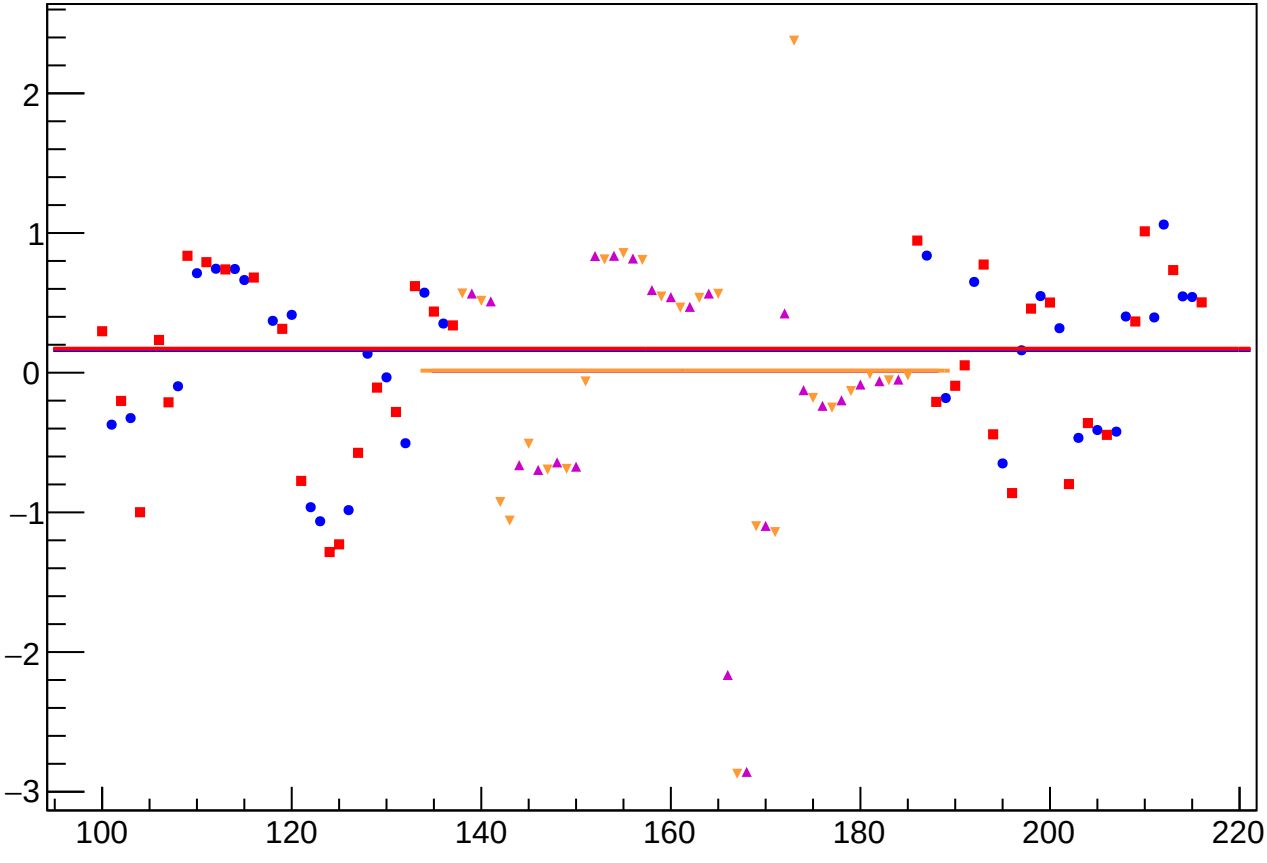
Right: 0.018+/-0.000 χ^2/NDF: 10564080.8/66

In: 0.015+/-0.000 χ^2/NDF:7280918.0/54

Out: 0.015+/-0.000 χ^2/NDF:6892919.6/59

All: 0.015+/-0.000 χ^2/NDF: 14173919.6/114

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.162+/-0.000 χ^2/NDF: 30766503655.7/31

Left Out: 0.015+/-0.000 χ^2/NDF:96087835995.8/24

Right Out: 0.172+/-0.000 χ^2/NDF: 41539607285.9/34

Left In: 0.013+/-0.000 χ^2/NDF:79445696658.6/22

Left: 0.014+/-0.000 χ^2/NDF: 175533691121.4/47

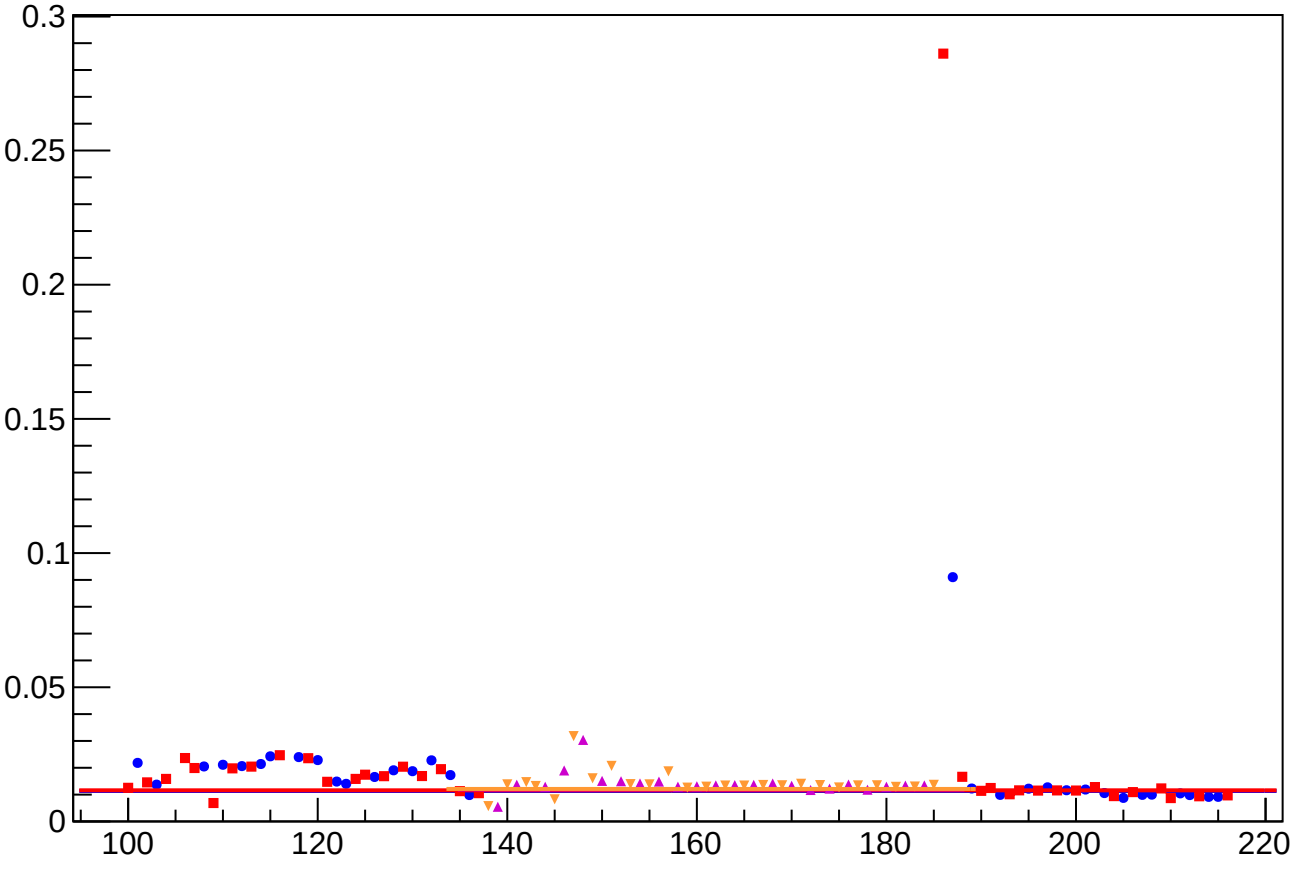
Right: 0.167+/-0.000 χ^2/NDF: 72310812694.2/66

In: 0.090+/-0.000 χ^2/NDF:111428119458.0/54

Out: 0.093+/-0.000 χ^2/NDF:138968061029.8/59

All: 0.091+/-0.000 χ^2/NDF: 250397372821.1

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2576571.8/31

Left Out: 0.012+/-0.000 χ^2/NDF:3107648.9/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3021882.0/34

Left In: 0.012+/-0.000 χ^2/NDF:3105948.8/22

Left: 0.012+/-0.000 χ^2/NDF: 6217411.2/47

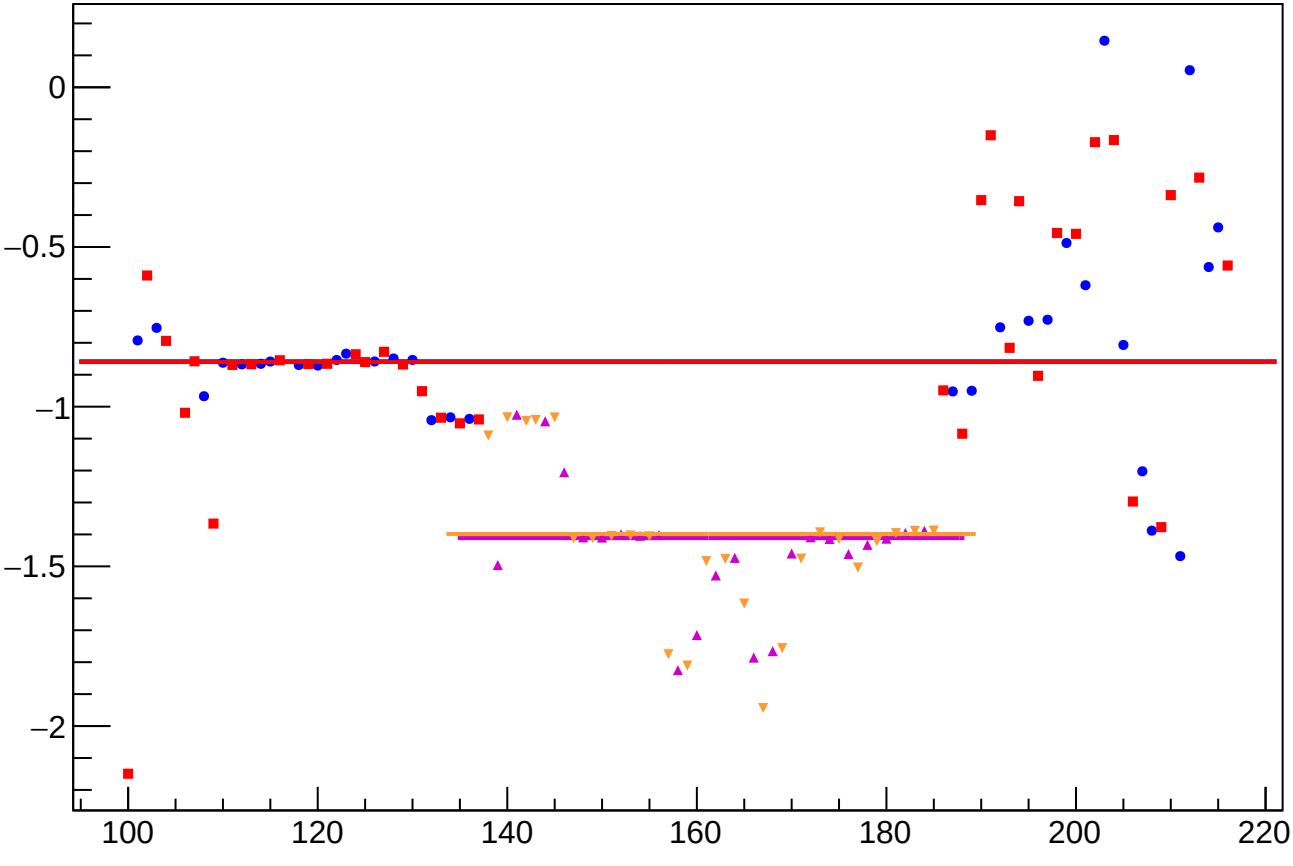
Right: 0.011+/-0.000 χ^2/NDF: 5605048.7/66

In: 0.012+/-0.000 χ^2/NDF:5718031.0/54

Out: 0.012+/-0.000 χ^2/NDF:6158309.1/59

All: 0.012+/-0.000 χ^2/NDF: 11887327.5/114

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.858+/-0.000 χ^2/NDF: 371211910.0/31

Left Out: -1.398+/-0.000 χ^2/NDF:734579404.3/24

Right Out: -0.860+/-0.000 χ^2/NDF: 493043745.3/34

Left In: -1.412+/-0.000 χ^2/NDF:512629872.4/22

Left: -1.405+/-0.000 χ^2/NDF: 1248268857.1/47

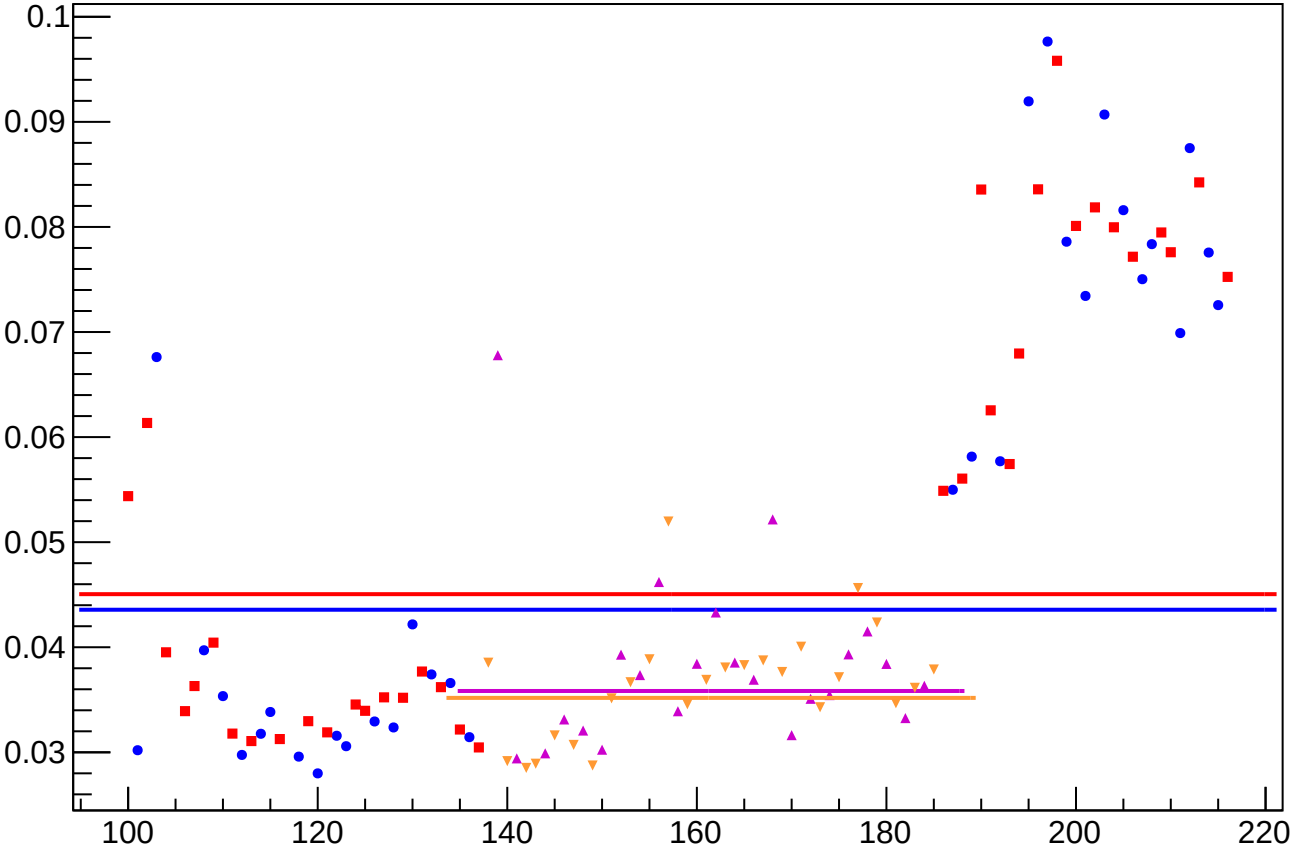
Right: -0.859+/-0.000 χ^2/NDF: 864272387.8/66

In: -1.207+/-0.000 χ^2/NDF:2241442013.6/54

Out: -1.211+/-0.000 χ^2/NDF:2541195093.4/59

All: -1.209+/-0.000 χ^2/NDF: 4782778133.8/1

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 5364582.0/31

Left Out: 0.035+/-0.000 χ^2/NDF:597886.0/24

Right Out: 0.045+/-0.000 χ^2/NDF: 4566079.3/34

Left In: 0.036+/-0.000 χ^2/NDF:890993.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1494255.9/47

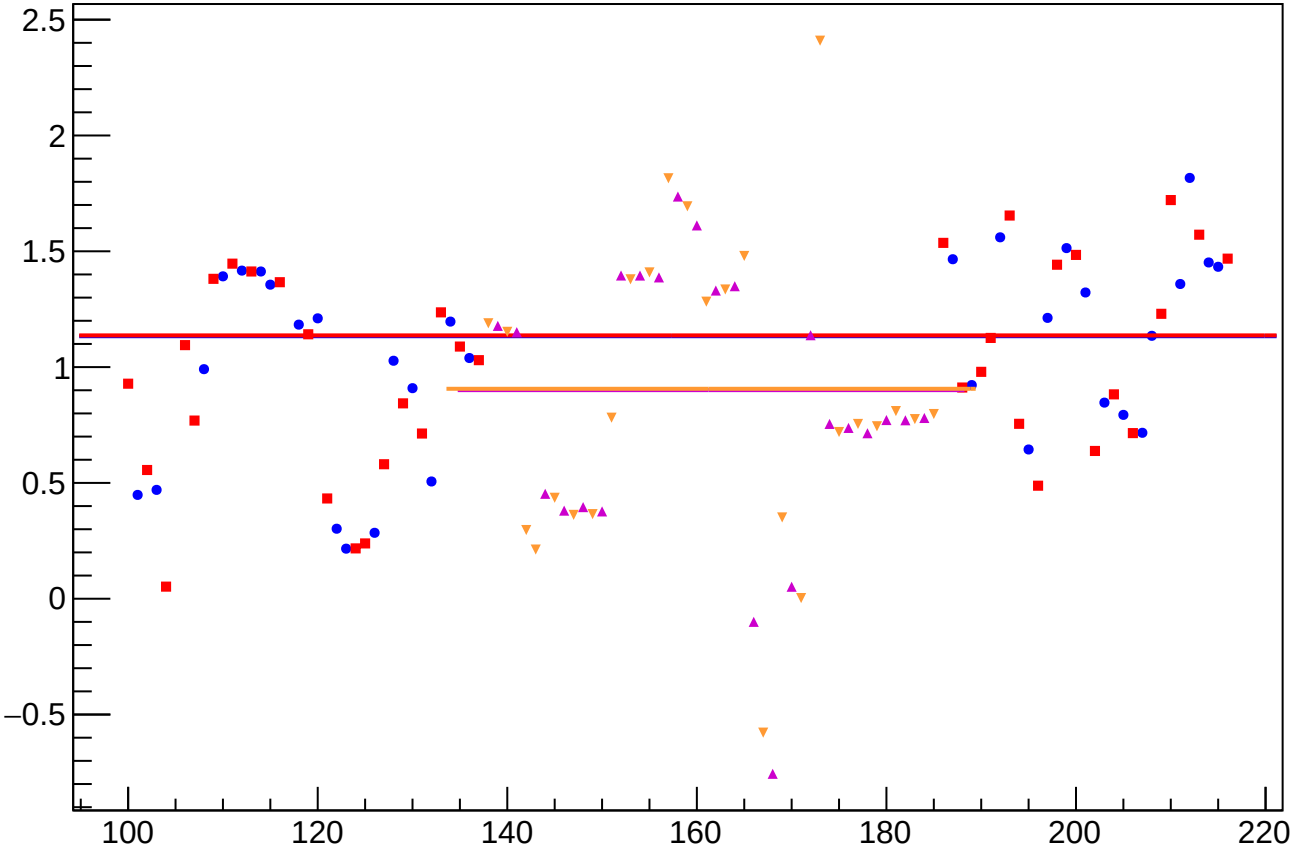
Right: 0.044+/-0.000 χ^2/NDF: 9946028.9/66

In: 0.039+/-0.000 χ^2/NDF:6785349.1/54

Out: 0.039+/-0.000 χ^2/NDF:6047285.8/59

All: 0.039+/-0.000 χ^2/NDF: 12832734.3/114

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.133+/-0.000 χ^2/NDF: 42329127127.1/31

Left Out: 0.906+/-0.000 χ^2/NDF:84108410196.2/24

Right Out: 1.137+/-0.000 χ^2/NDF: 46227677031.5/34

Left In: 0.901+/-0.000 χ^2/NDF:66932223067.8/22

Left: 0.904+/-0.000 χ^2/NDF: 151044220035.9/47

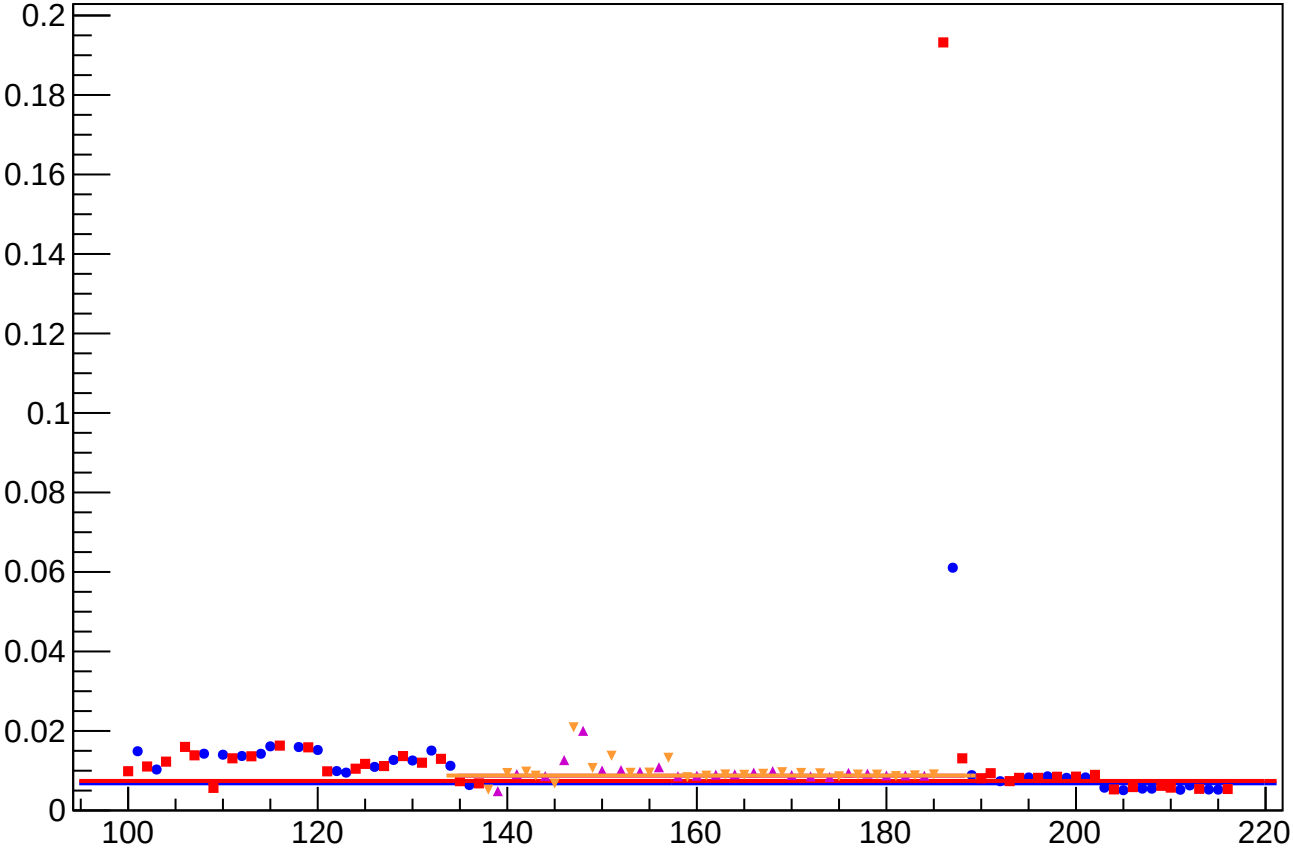
Right: 1.135+/-0.000 χ^2/NDF: 88558617903.4/66

In: 1.039+/-0.000 χ^2/NDF:115973799535.0/54

Out: 1.033+/-0.000 χ^2/NDF:136710695128.5/59

All: 1.036+/-0.000 χ^2/NDF: 252695590721.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3702213.5/31

Left Out: 0.009+/-0.000 χ^2/NDF:1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3875672.6/34

Left In: 0.009+/-0.000 χ^2/NDF:1669983.7/22

Left: 0.009+/-0.000 χ^2/NDF: 3369008.8/47

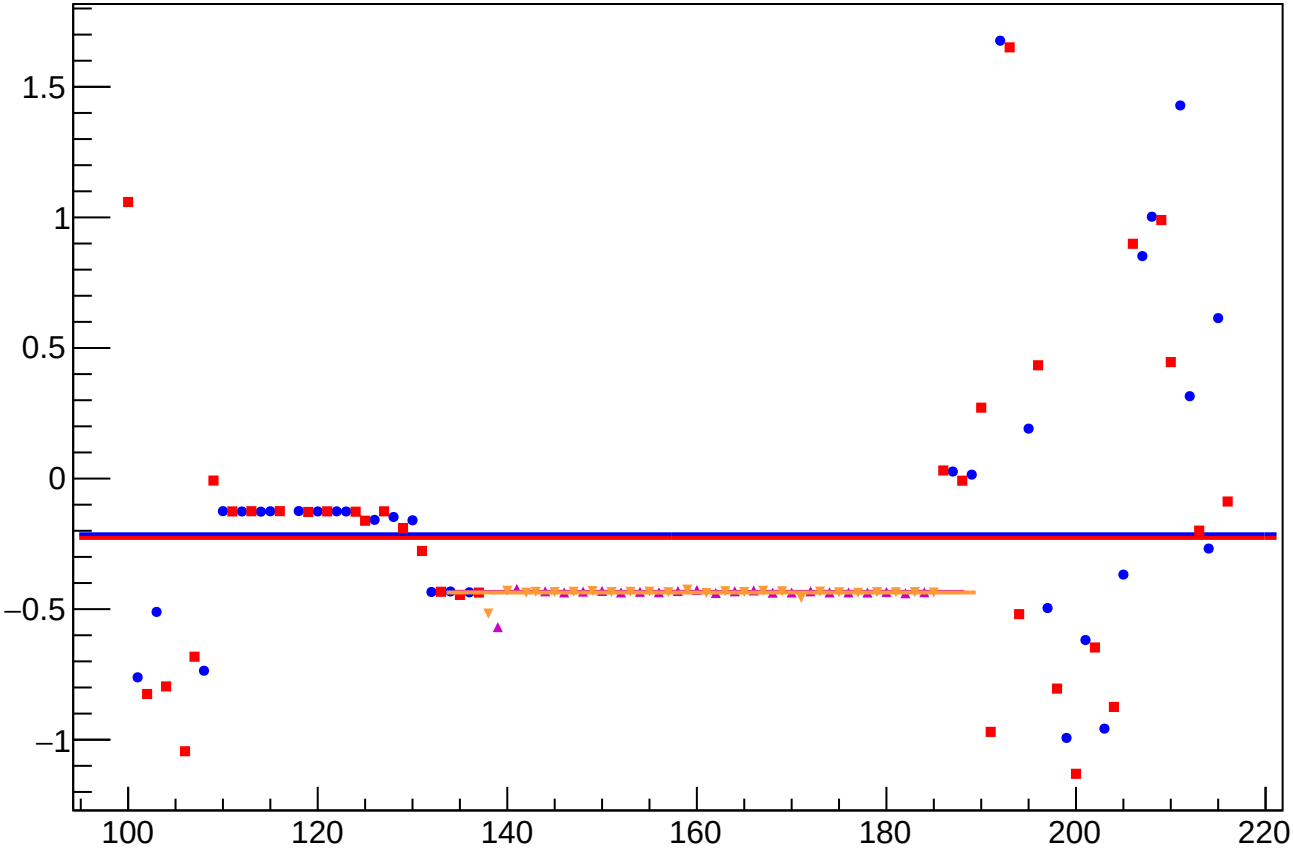
Right: 0.007+/-0.000 χ^2/NDF: 7677915.1/66

In: 0.008+/-0.000 χ^2/NDF:6272900.3/54

Out: 0.008+/-0.000 χ^2/NDF:6019168.7/59

All: 0.008+/-0.000 χ^2/NDF: 12388144.5/114

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.213+/-0.000 χ^2/NDF: 4979571062.4/31

Left Out: -0.436+/-0.000 χ^2/NDF:28776503.9/24

Right Out: -0.227+/-0.000 χ^2/NDF: 3421119675.0/34

Left In: -0.434+/-0.000 χ^2/NDF:20164730.3/22

Left: -0.435+/-0.000 χ^2/NDF: 49321098.5/47

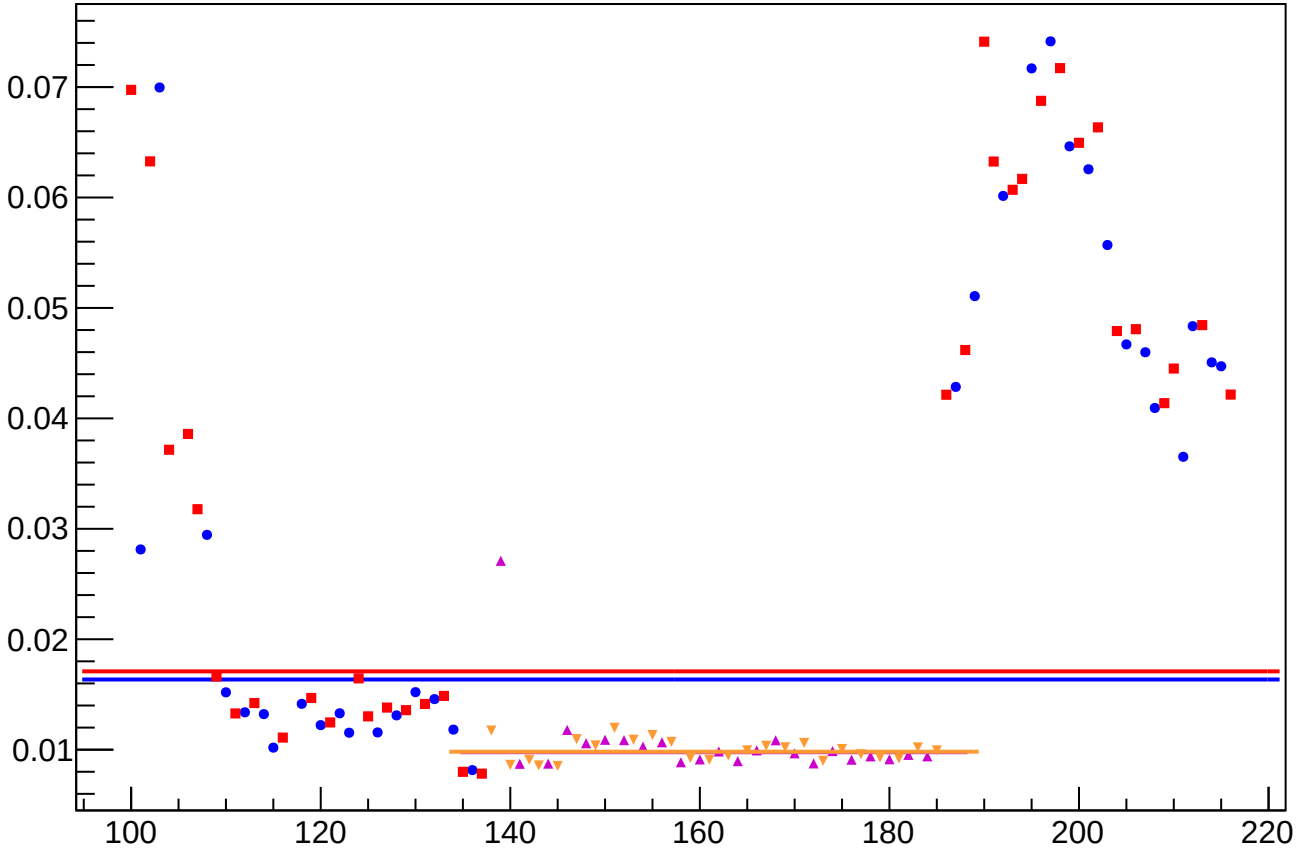
Right: -0.220+/-0.000 χ^2/NDF: 8403987795.2/66

In: -0.393+/-0.000 χ^2/NDF:6402772061.7/54

Out: -0.400+/-0.000 χ^2/NDF:4664289922.8/59

All: -0.397+/-0.000 χ^2/NDF: 11073109062.4/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 12480547.0/31

Left Out: 0.010+/-0.000 χ^2/NDF:271172.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 12728279.1/34

Left In: 0.010+/-0.000 χ^2/NDF:786577.8/22

Left: 0.010+/-0.000 χ^2/NDF: 1058038.1/47

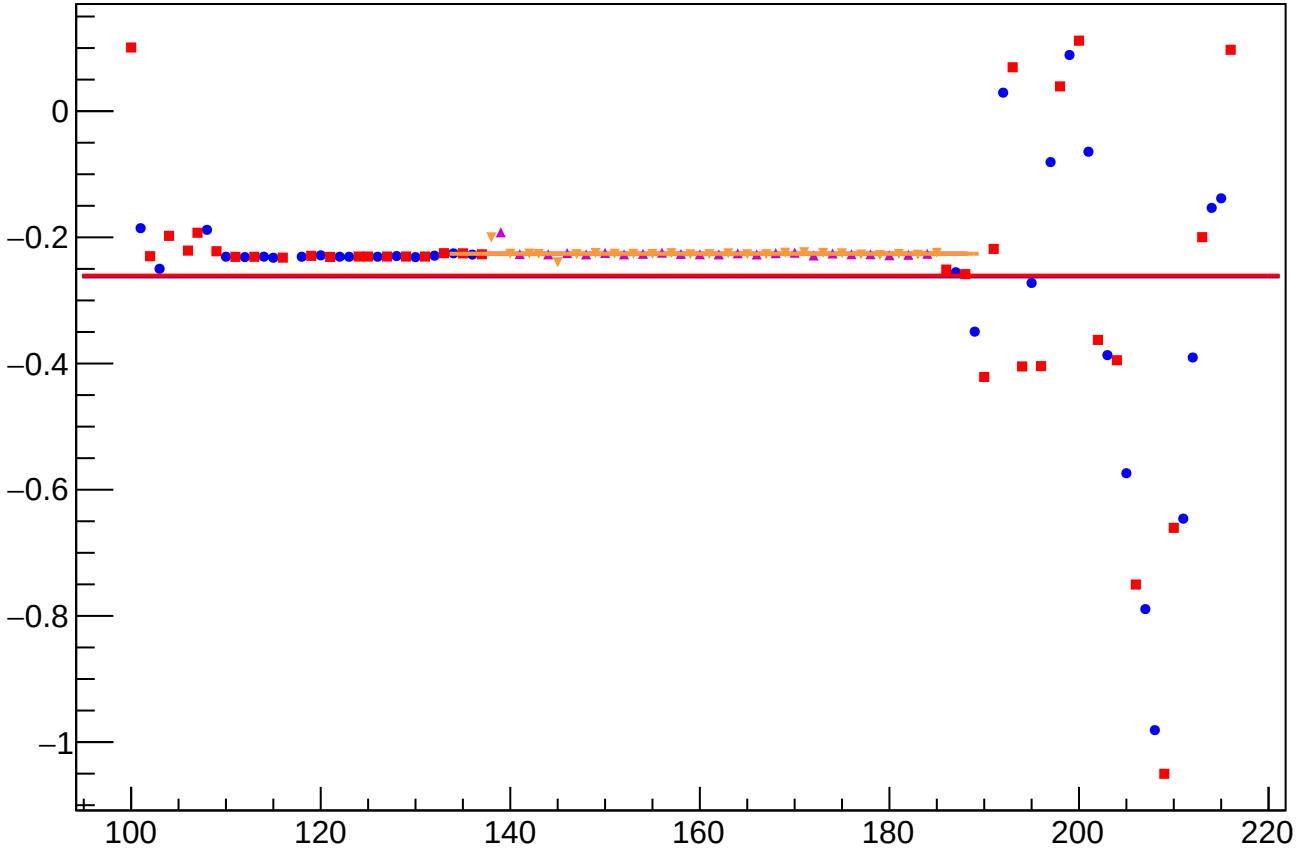
Right: 0.017+/-0.000 χ^2/NDF: 25227534.0/66

In: 0.011+/-0.000 χ^2/NDF:15766289.5/54

Out: 0.011+/-0.000 χ^2/NDF:15944767.2/59

All: 0.011+/-0.000 χ^2/NDF: 31711531.6/114

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.262+/-0.000 χ^2/NDF: 25220385016.5/31

Left Out: -0.226+/-0.000 χ^2/NDF:21207366.3/24

Right Out: -0.261+/-0.000 χ^2/NDF: 26601641134.9/34

Left In: -0.226+/-0.000 χ^2/NDF:13717302.5/22

Left: -0.226+/-0.000 χ^2/NDF: 34951372.2/47

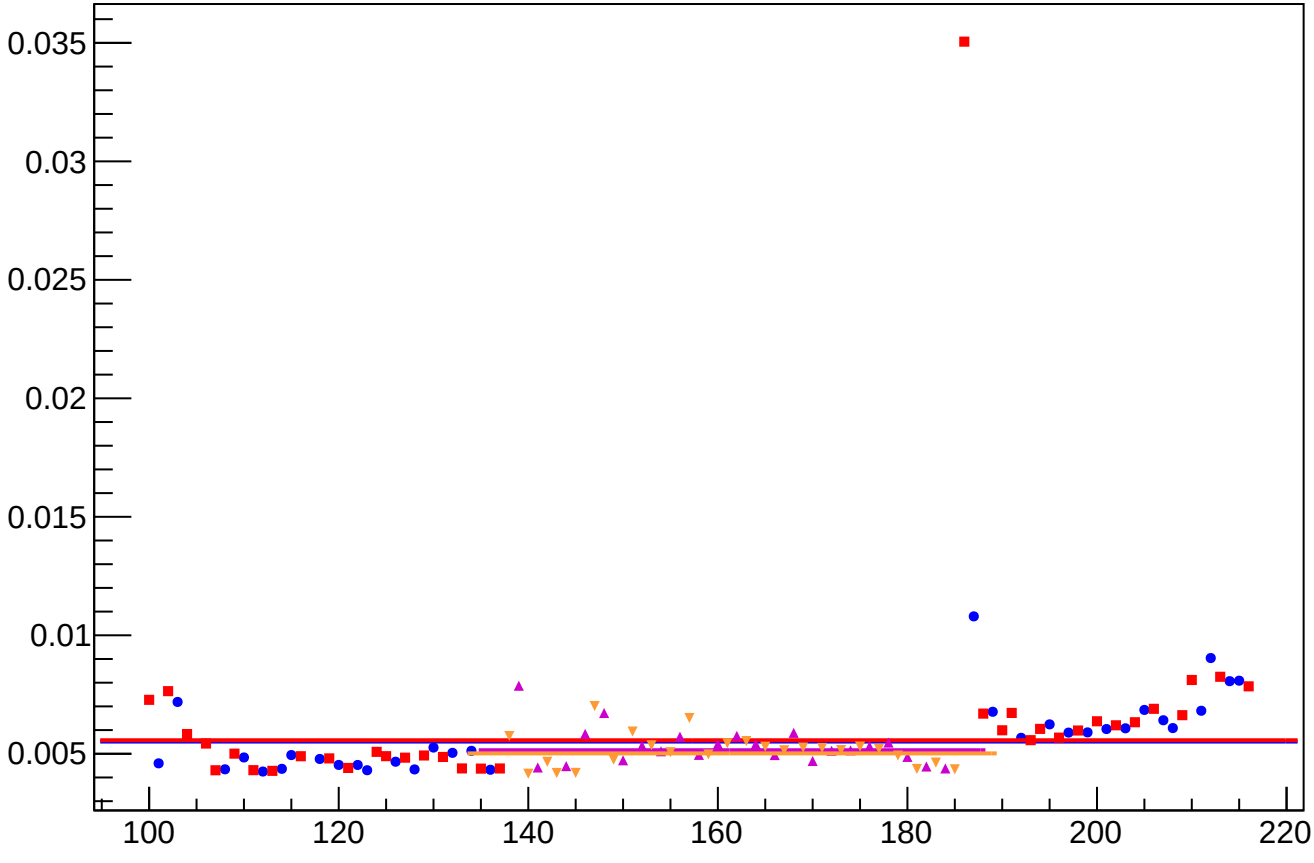
Right: -0.261+/-0.000 χ^2/NDF: 51822432616.4/66

In: -0.242+/-0.000 χ^2/NDF:25600368764.7/54

Out: -0.241+/-0.000 χ^2/NDF:26975960949.8/59

All: -0.241+/-0.000 χ^2/NDF: 52577192353.2/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1356487.8/31

Left Out: 0.005+/-0.000 χ^2/NDF:532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1719725.9/34

Left In: 0.005+/-0.000 χ^2/NDF:504040.6/22

Left: 0.005+/-0.000 χ^2/NDF: 1048260.0/47

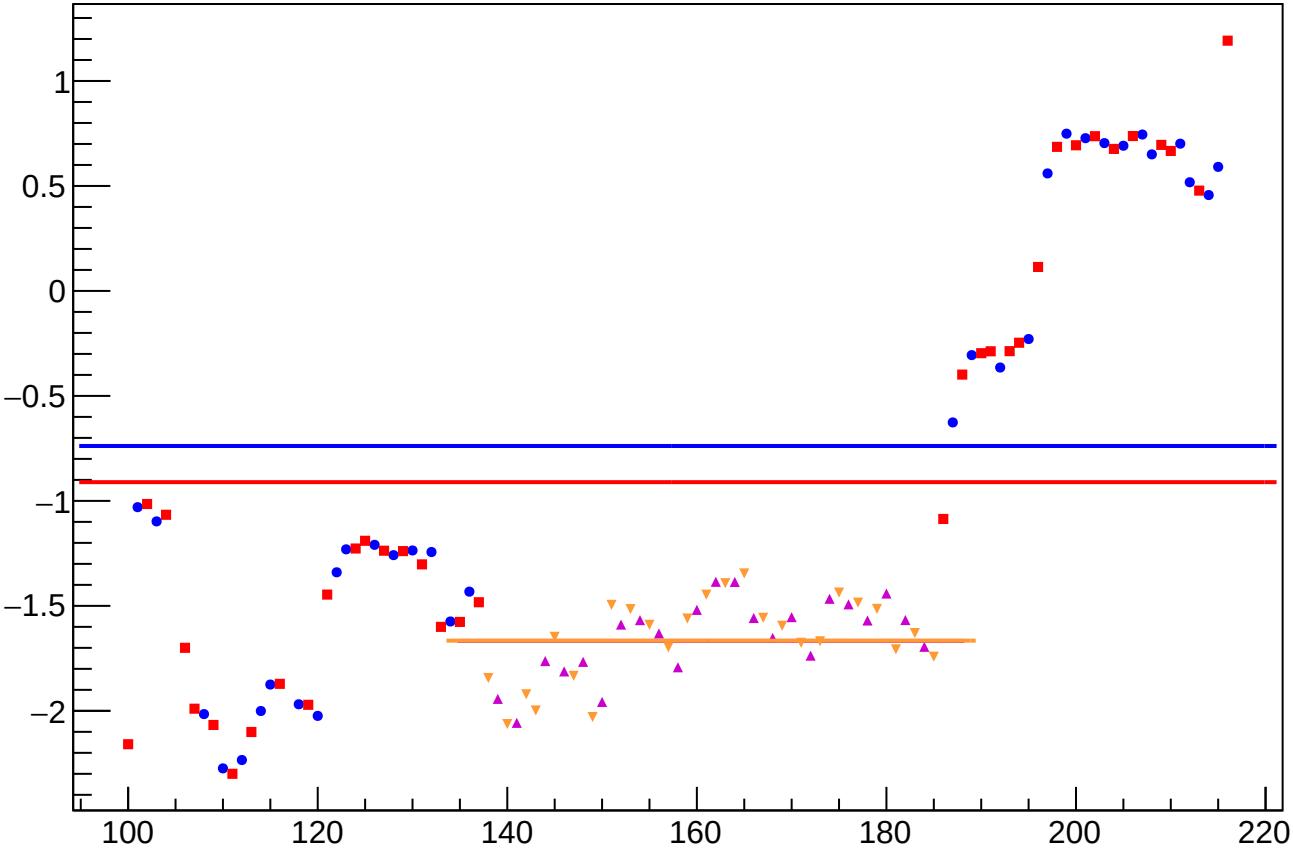
Right: 0.006+/-0.000 χ^2/NDF: 3077768.9/66

In: 0.005+/-0.000 χ^2/NDF:1935449.6/54

Out: 0.005+/-0.000 χ^2/NDF:2433319.4/59

All: 0.005+/-0.000 χ^2/NDF: 4373120.5/114

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.739+/-0.000 χ^2/NDF: 238933110637.0/31

Left Out: -1.666+/-0.000 χ^2/NDF:18368038680.8/24

Right Out: -0.911+/-0.000 χ^2/NDF: 270699157918.7/34

Left In: -1.667+/-0.000 χ^2/NDF:14615453869.3/22

Left: -1.666+/-0.000 χ^2/NDF: 32983827631.4/47

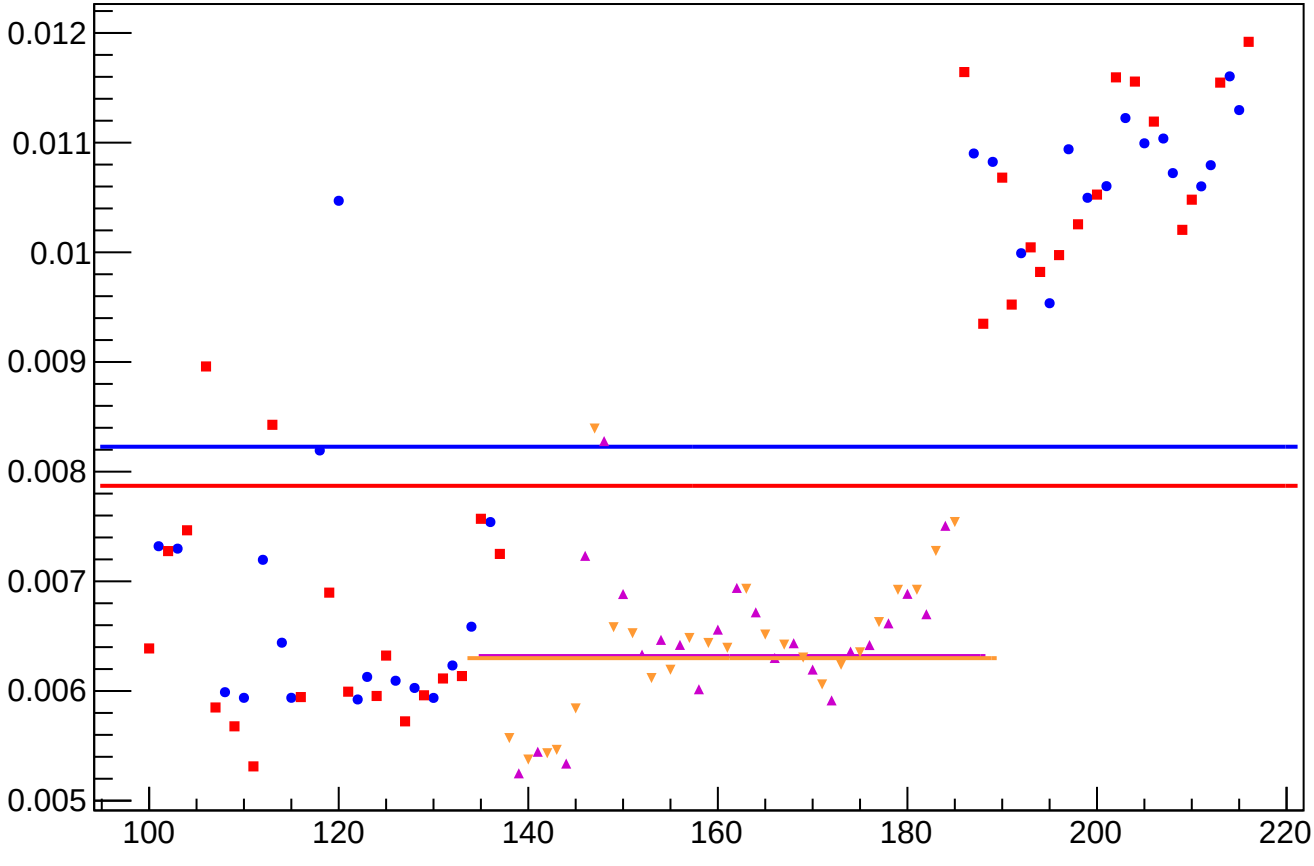
Right: -0.830+/-0.000 χ^2/NDF: 513237670481.9/66

In: -1.336+/-0.000 χ^2/NDF:380610707365.0/54

Out: -1.387+/-0.000 χ^2/NDF:381986777530.5/59

All: -1.363+/-0.000 χ^2/NDF: 763463790070.1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2072333.8/31

Left Out: 0.006+/-0.000 χ^2/NDF:312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2403365.7/34

Left In: 0.006+/-0.000 χ^2/NDF:334332.4/22

Left: 0.006+/-0.000 χ^2/NDF: 647302.7/47

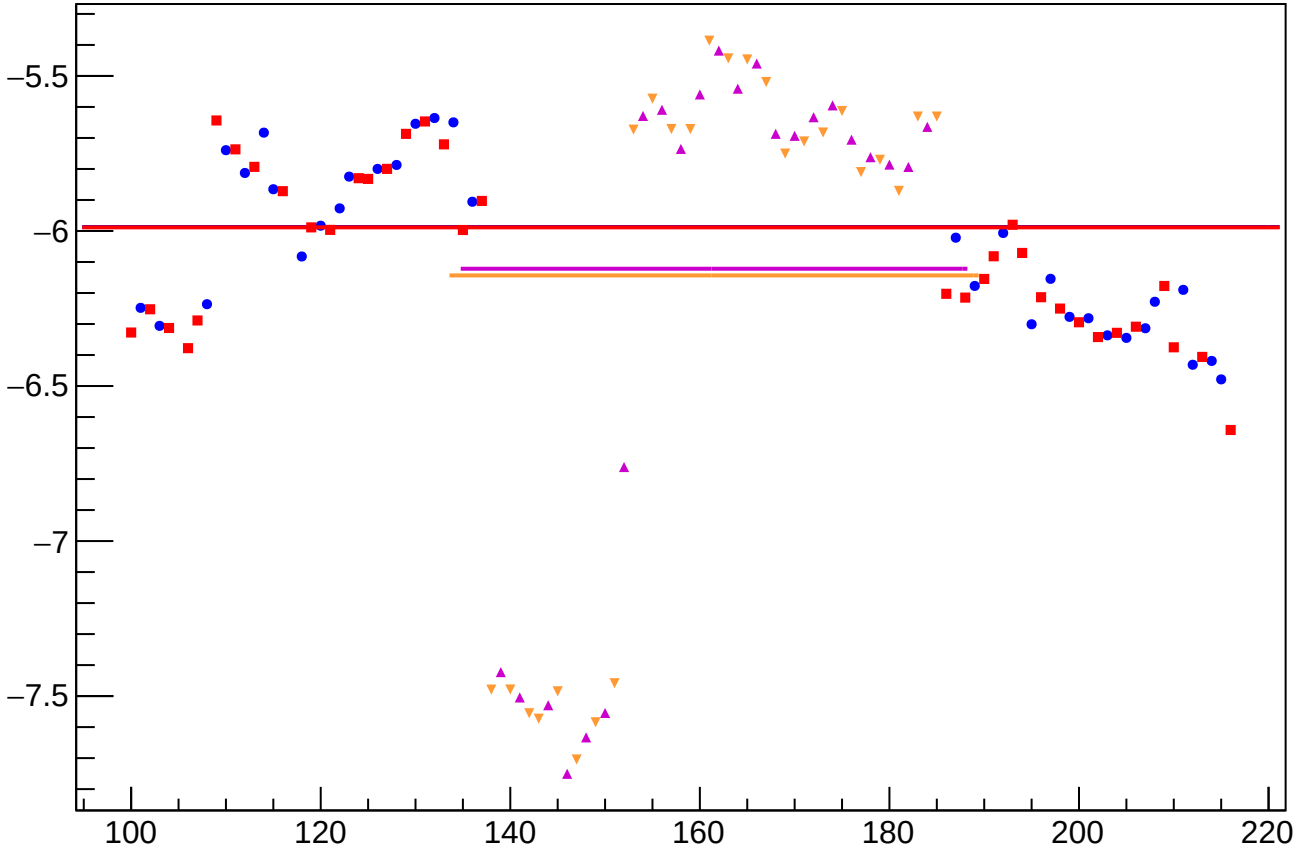
Right: 0.008+/-0.000 χ^2/NDF: 4506563.6/66

In: 0.007+/-0.000 χ^2/NDF:3480620.5/54

Out: 0.007+/-0.000 χ^2/NDF:3521531.1/59

All: 0.007+/-0.000 χ^2/NDF: 7011667.5/114

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.987+/-0.000 χ^2/NDF: 17542912306.5/31

Left Out: -6.143+/-0.000 χ^2/NDF:185721259239.3/24

Right Out: -5.988+/-0.000 χ^2/NDF: 19126998201.7/34

Left In: -6.122+/-0.000 χ^2/NDF:159909473006.6/22

Left: -6.133+/-0.000 χ^2/NDF: 345689393988.1/47

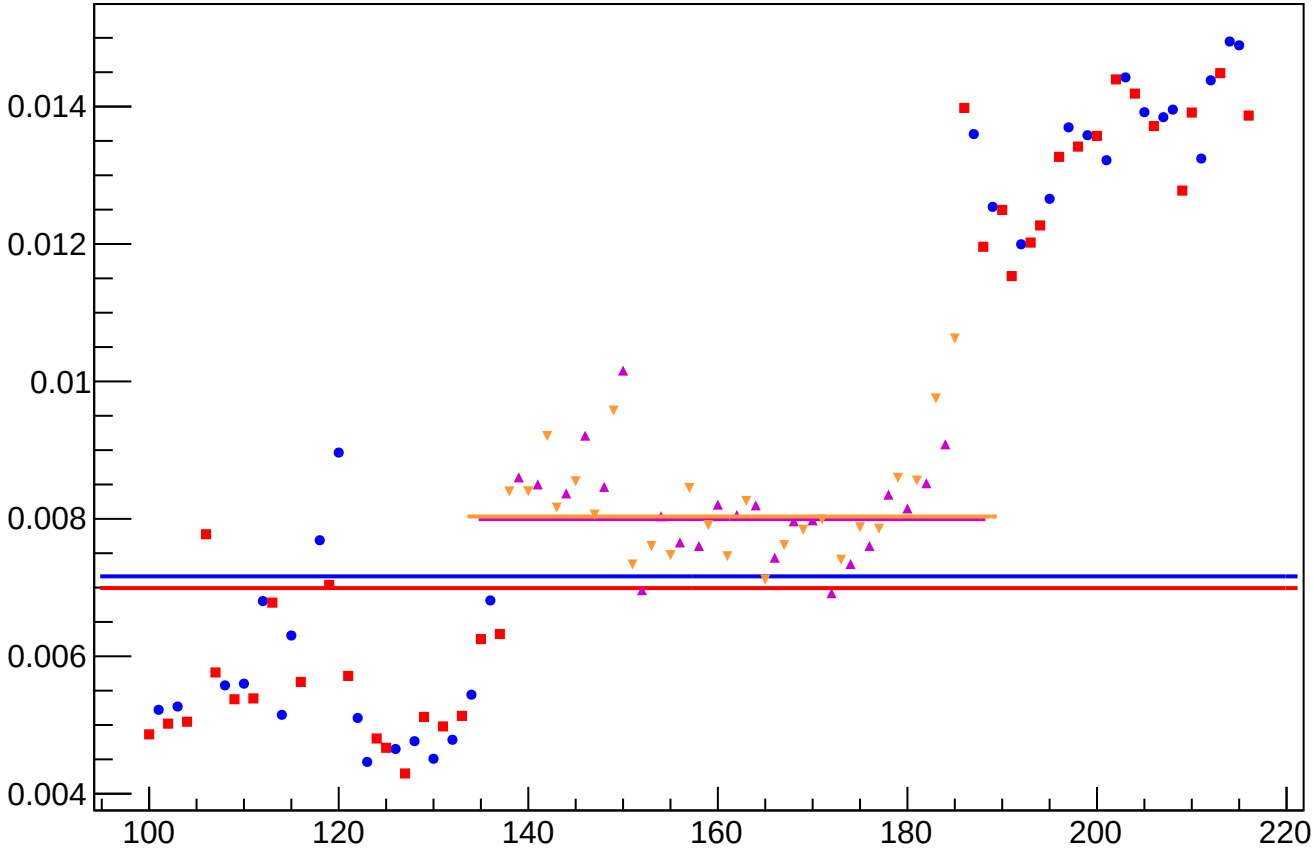
Right: -5.988+/-0.000 χ^2/NDF: 36670063057.9/66

In: -6.053+/-0.000 χ^2/NDF:179743079621.9/54

Out: -6.062+/-0.000 χ^2/NDF:208088106876.7/59

All: -6.058+/-0.000 χ^2/NDF: 387851427774.6

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6269183.9/31

Left Out: 0.008+/-0.000 χ^2/NDF:205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6108900.4/34

Left In: 0.008+/-0.000 χ^2/NDF:220203.0/22

Left: 0.008+/-0.000 χ^2/NDF: 426558.9/47

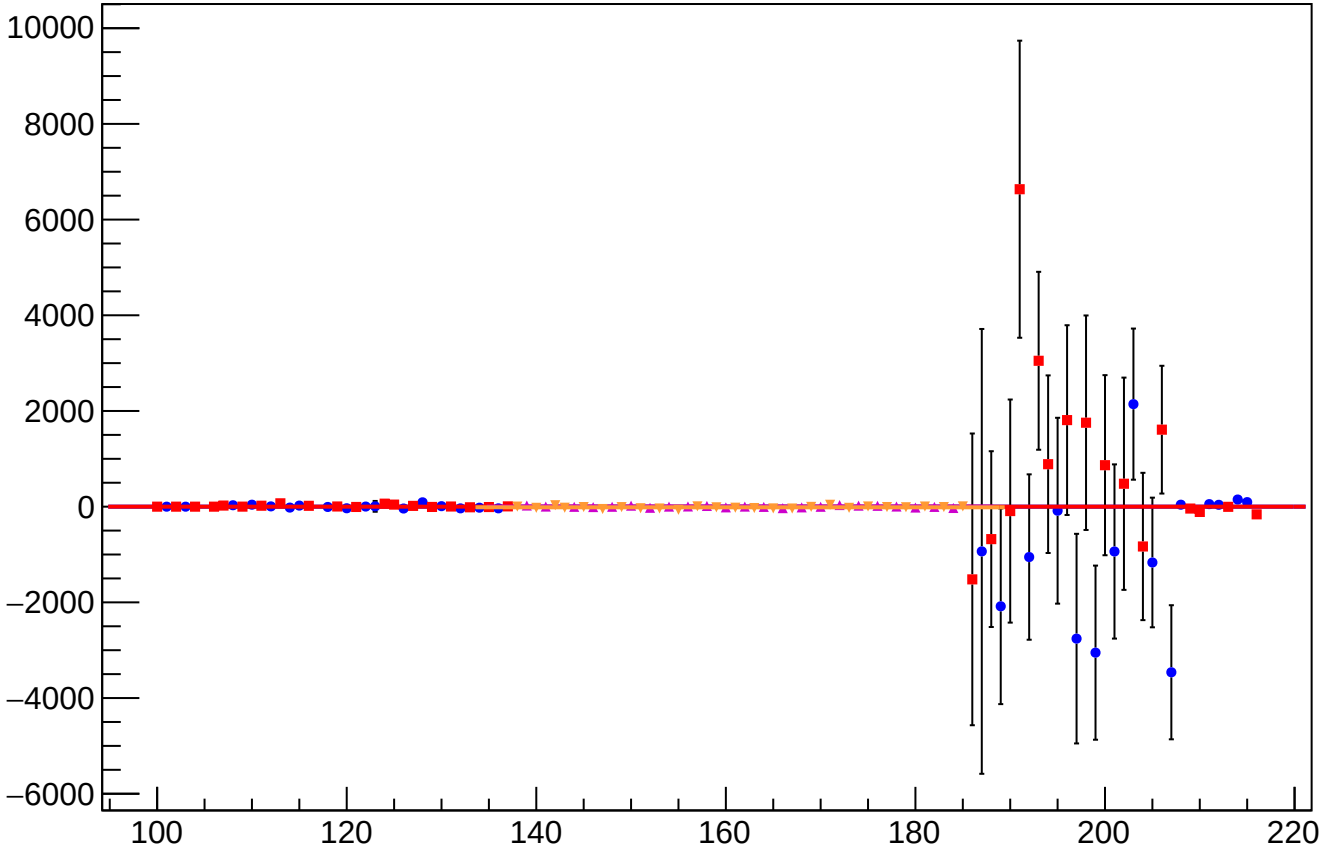
Right: 0.007+/-0.000 χ^2/NDF: 12385942.0/66

In: 0.008+/-0.000 χ^2/NDF:6664795.8/54

Out: 0.007+/-0.000 χ^2/NDF:6607697.9/59

All: 0.008+/-0.000 χ^2/NDF: 13276128.6/114

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.017 χ^2/NDF: 46.8/31

Left Out: -13.472+/-2.796 χ^2/NDF:58.5/24

Right Out: -0.003+/-0.016 χ^2/NDF: 42.9/34

Left In: 0.489+/-2.905 χ^2/NDF:28.7/22

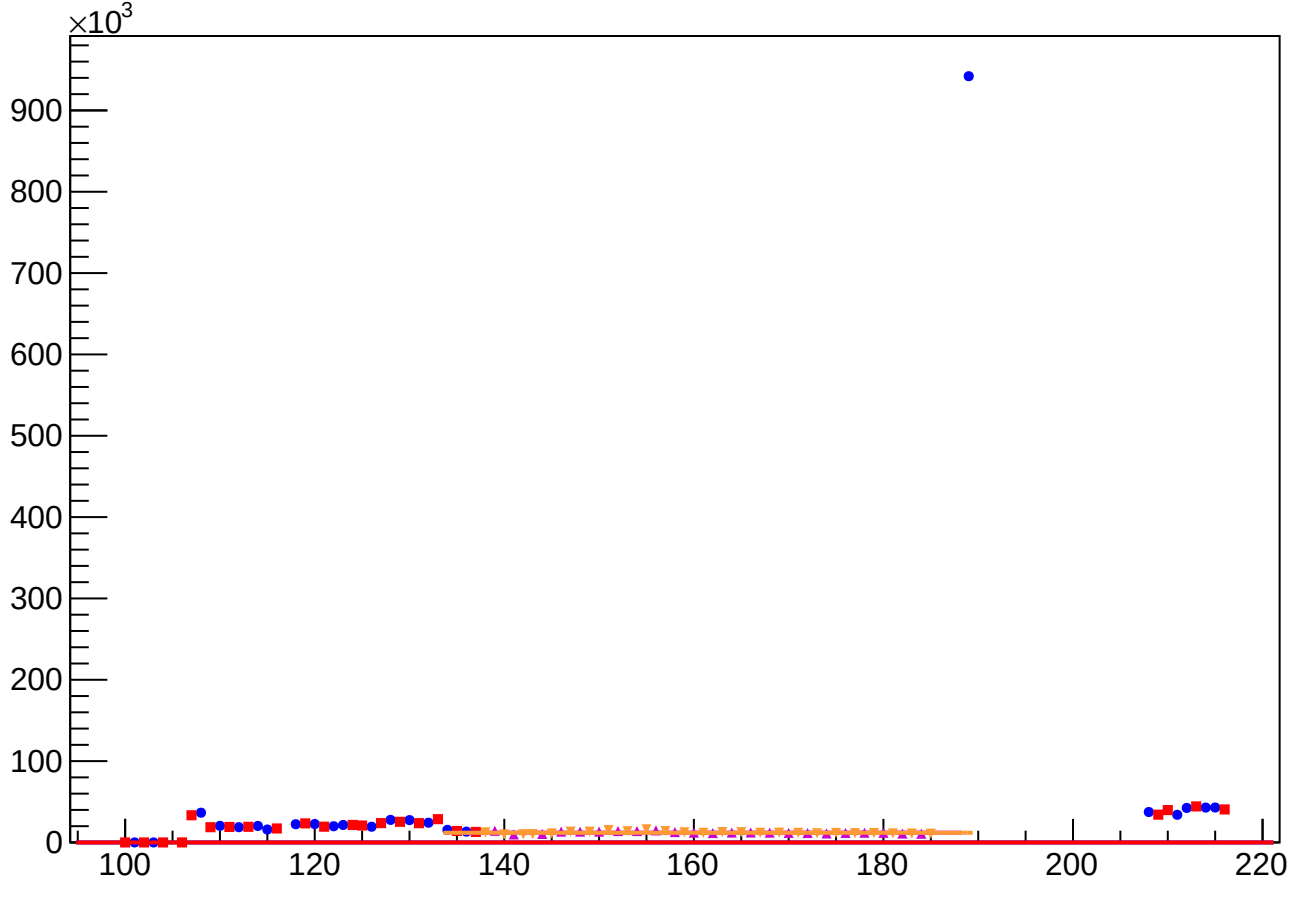
Left: -6.758+/-2.015 χ^2/NDF: 99.2/47

Right: 0.004+/-0.012 χ^2/NDF: 90.2/66

In: 0.013+/-0.017 χ^2/NDF:75.5/54

Out: -0.004+/-0.016 χ^2/NDF:124.6/59

All: 0.004+/-0.012 χ^2/NDF: 200.7/114



Right In: 18.667+/-0.012 χ^2/NDF: 18016290.7/22

Left Out: 11909.835+/-1.977 χ^2/NDF:475310.2/24

Right Out: 18.330+/-0.011 χ^2/NDF: 16693018.6/22

Left In: 12064.321+/-2.054 χ^2/NDF:372586.0/22

Left: 11984.125+/-1.425 χ^2/NDF: 850831.6/47

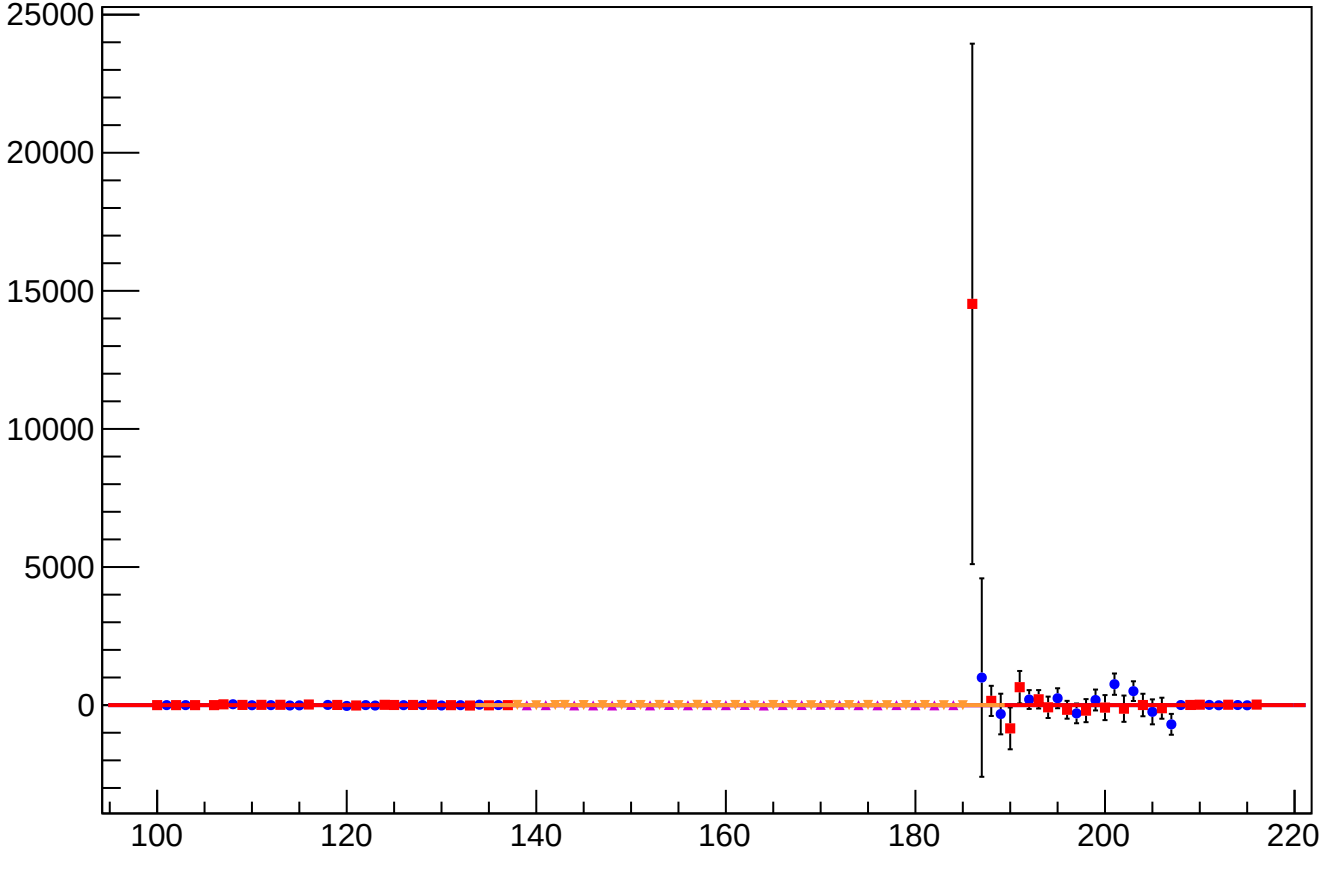
Right: 18.486+/-0.008 χ^2/NDF: 34709717.1/45

In: 19.096+/-0.012 χ^2/NDF:52766630.5/45

Out: 18.722+/-0.011 χ^2/NDF:53335346.9/47

All: 18.895+/-0.008 χ^2/NDF: 106102476.7/93

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 29.4/31

Left Out: 1.675+/-1.021 χ^2/NDF:17.9/24

Right Out: -0.014+/-0.009 χ^2/NDF: 42.4/34

Left In: -0.843+/-1.043 χ^2/NDF:35.7/22

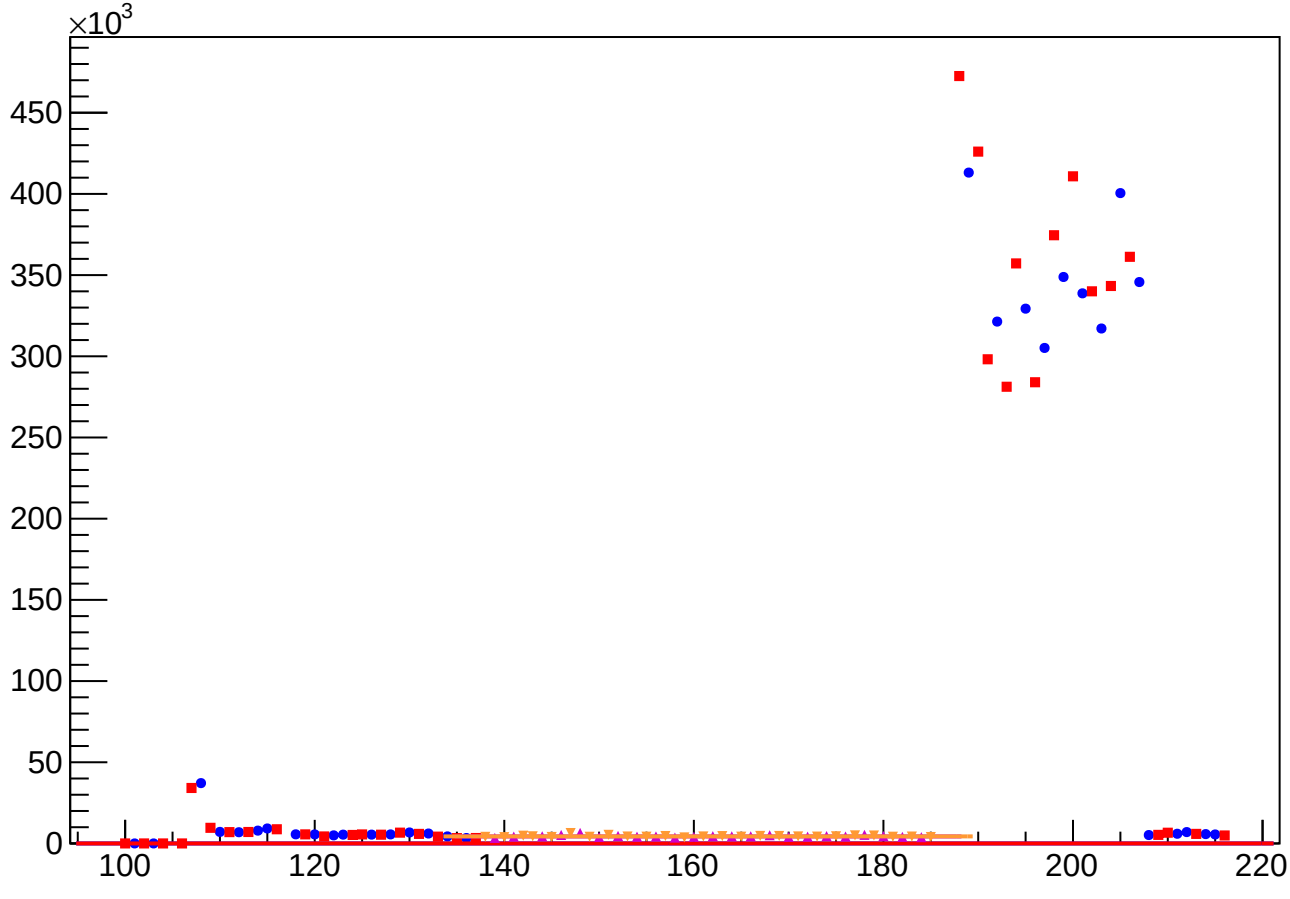
Left: 0.443+/-0.730 χ^2/NDF: 56.5/47

Right: -0.007+/-0.006 χ^2/NDF: 73.2/66

In: 0.001+/-0.009 χ^2/NDF:65.7/54

Out: -0.014+/-0.009 χ^2/NDF:63.1/59

All: -0.007+/-0.006 χ^2/NDF: 130.2/114



Right In: 9.990+/-0.007 χ^2/NDF: 31457720.9/30

Left Out: 4350.545+/-0.722 χ^2/NDF:384749.0/24

Right Out: 9.893+/-0.006 χ^2/NDF: 31466498.2/33

Left In: 4314.568+/-0.738 χ^2/NDF:534594.3/22

Left: 4332.940+/-0.516 χ^2/NDF: 920558.3/47

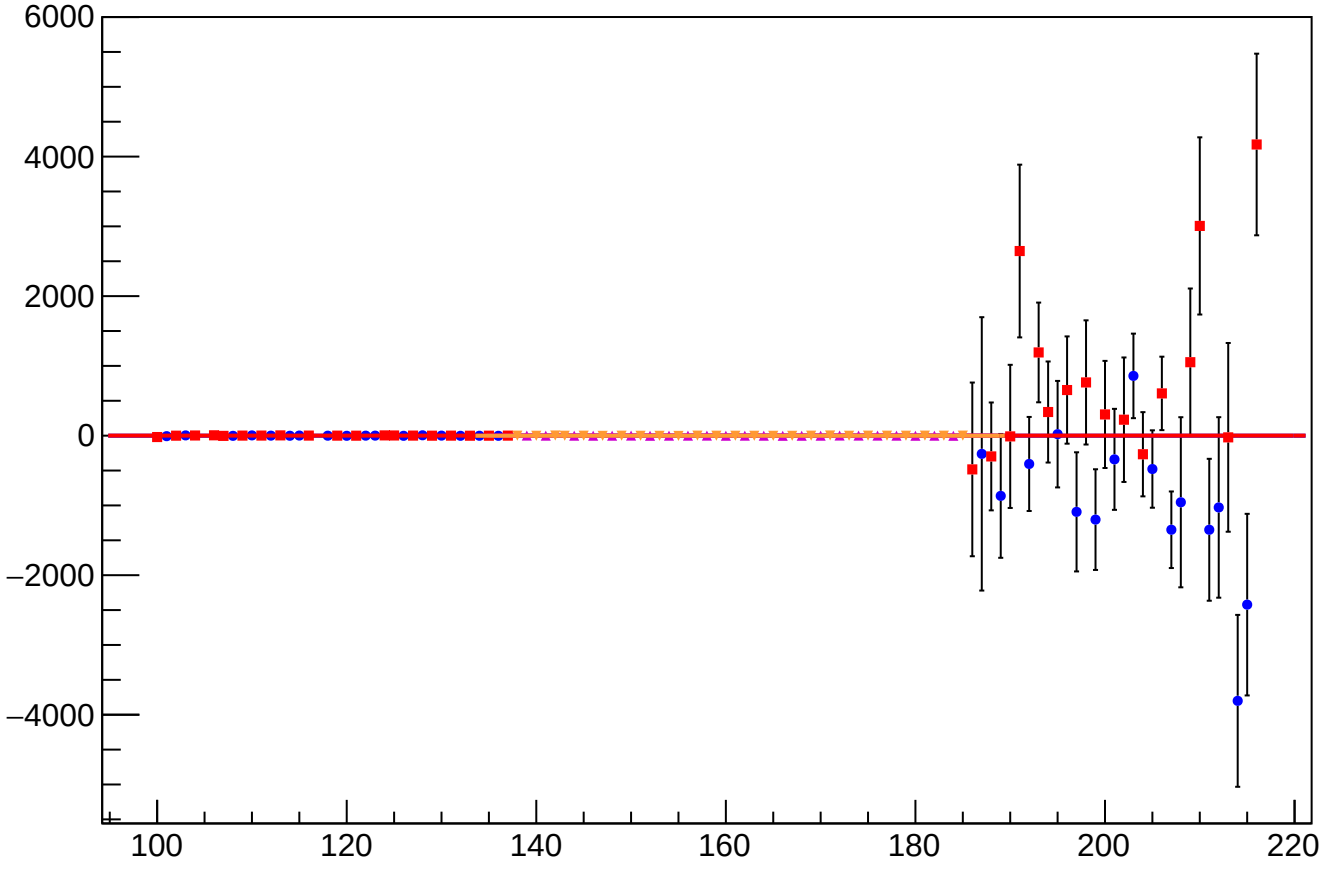
Right: 9.938+/-0.004 χ^2/NDF: 62924337.2/64

In: 10.325+/-0.007 χ^2/NDF:66052930.3/53

Out: 10.204+/-0.006 χ^2/NDF:67995586.2/58

All: 10.261+/-0.004 χ^2/NDF: 134048698.5/11

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.706+/-0.485 χ^2/NDF: 53.2/31

Left Out: -0.774+/-0.164 χ^2/NDF:58.4/24

Right Out: 0.764+/-0.502 χ^2/NDF: 39.7/34

Left In: 0.020+/-0.170 χ^2/NDF:29.2/22

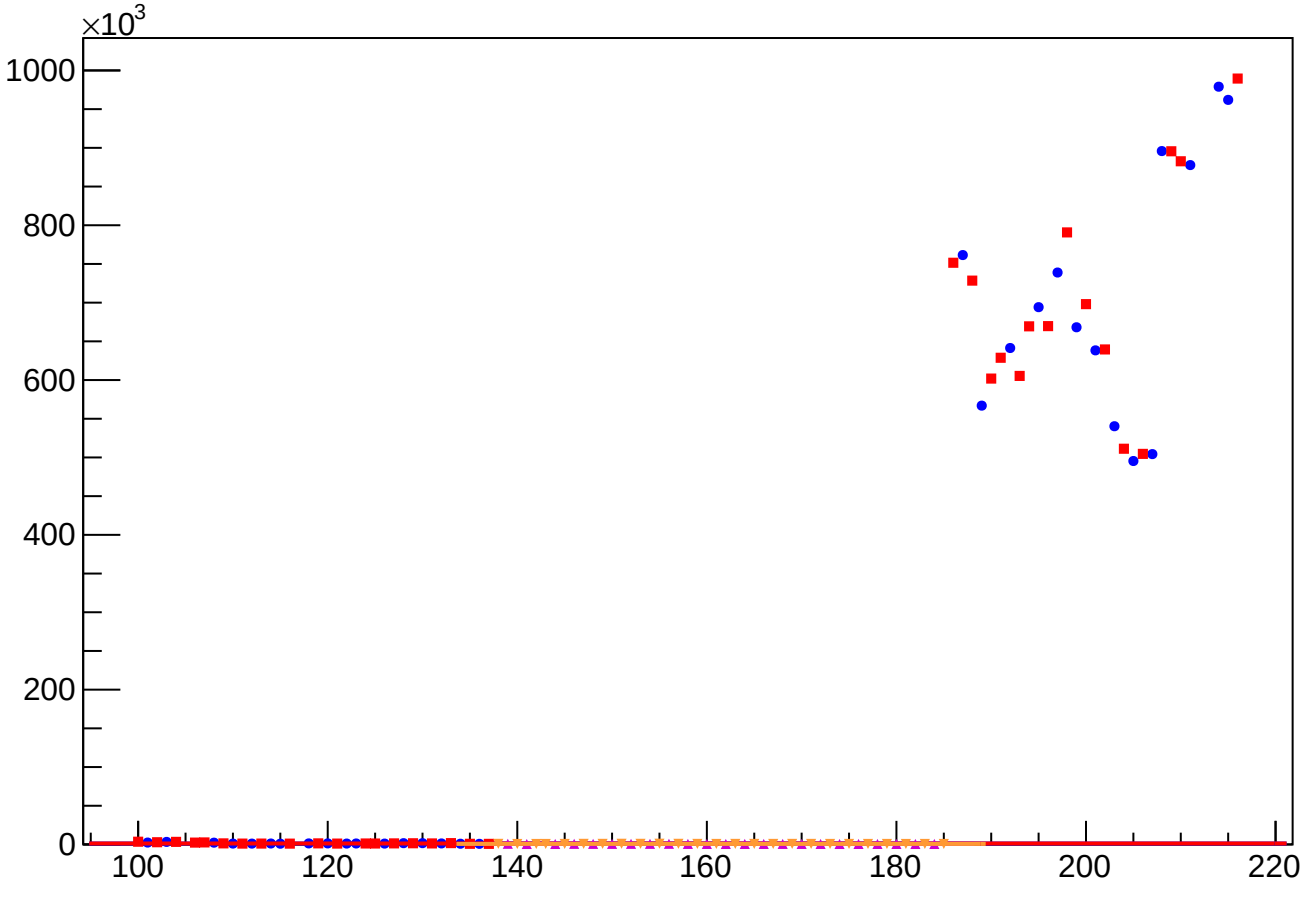
Left: -0.391+/-0.118 χ^2/NDF: 98.9/47

Right: 0.004+/-0.349 χ^2/NDF: 97.3/66

In: -0.059+/-0.161 χ^2/NDF:84.4/54

Out: -0.626+/-0.156 χ^2/NDF:106.5/59

All: -0.350+/-0.112 χ^2/NDF: 197.4/114



Right In: 1167.348+/-0.343 χ^2/NDF: 18558261.3/30

Left Out: 700.797+/-0.116 χ^2/NDF:392521.4/24

Right Out: 1252.640+/-0.355 χ^2/NDF: 19107601.3/33

Left In: 706.950+/-0.120 χ^2/NDF:338177.1/22

Left: 703.766+/-0.084 χ^2/NDF: 732052.1/47

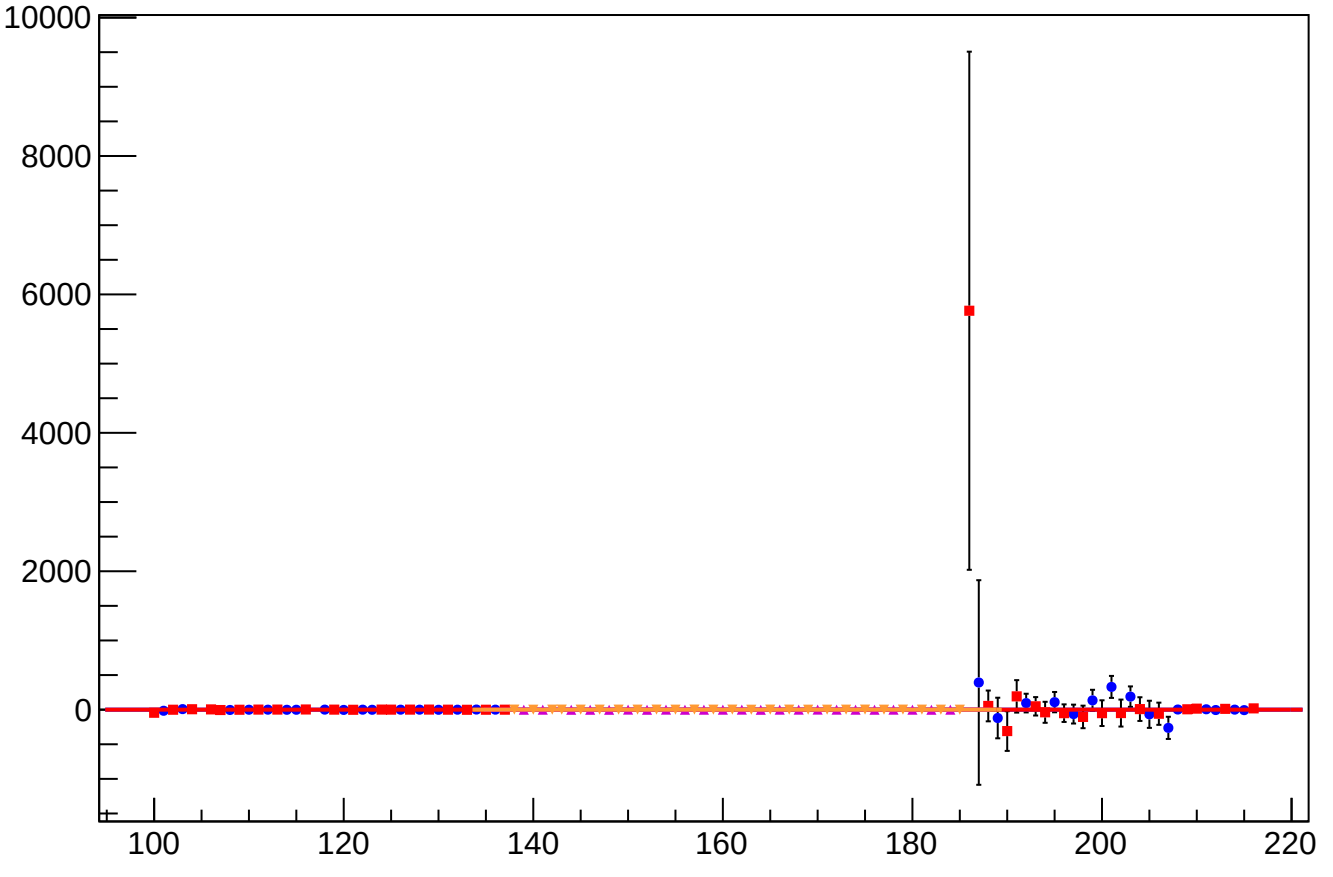
Right: 1208.518+/-0.247 χ^2/NDF: 37695717.7/64

In: 757.388+/-0.114 χ^2/NDF:20501158.3/53

Out: 754.173+/-0.110 χ^2/NDF:21682415.9/58

All: 755.736+/-0.079 χ^2/NDF: 42183986.1/11

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.269 χ^2/NDF: 35.1/31

Left Out: 0.236+/-0.122 χ^2/NDF:17.6/24

Right Out: -0.130+/-0.264 χ^2/NDF: 50.2/34

Left In: -0.115+/-0.125 χ^2/NDF:35.0/22

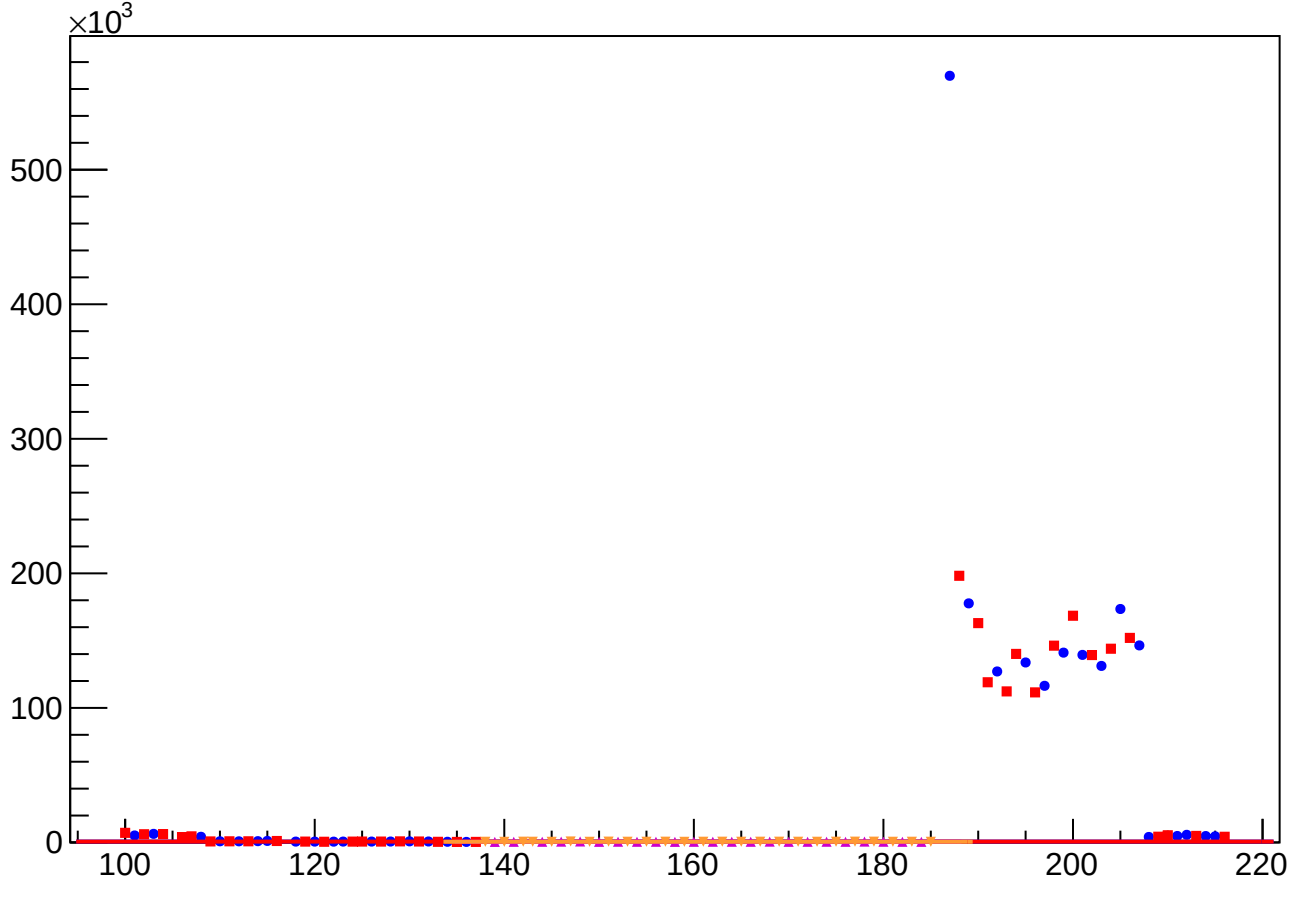
Left: 0.065+/-0.088 χ^2/NDF: 56.6/47

Right: -0.096+/-0.188 χ^2/NDF: 85.4/66

In: -0.106+/-0.114 χ^2/NDF:70.1/54

Out: 0.171+/-0.111 χ^2/NDF:69.4/59

All: 0.036+/-0.079 χ^2/NDF: 142.6/114



Right In: 658.528+/-0.190 χ^2/NDF: 22251985.6/31

Left Out: 522.416+/-0.087 χ^2/NDF:331573.1/24

Right Out: 639.823+/-0.186 χ^2/NDF: 22533661.5/33

Left In: 519.909+/-0.089 χ^2/NDF:444746.3/22

Left: 521.193+/-0.062 χ^2/NDF: 776728.3/47

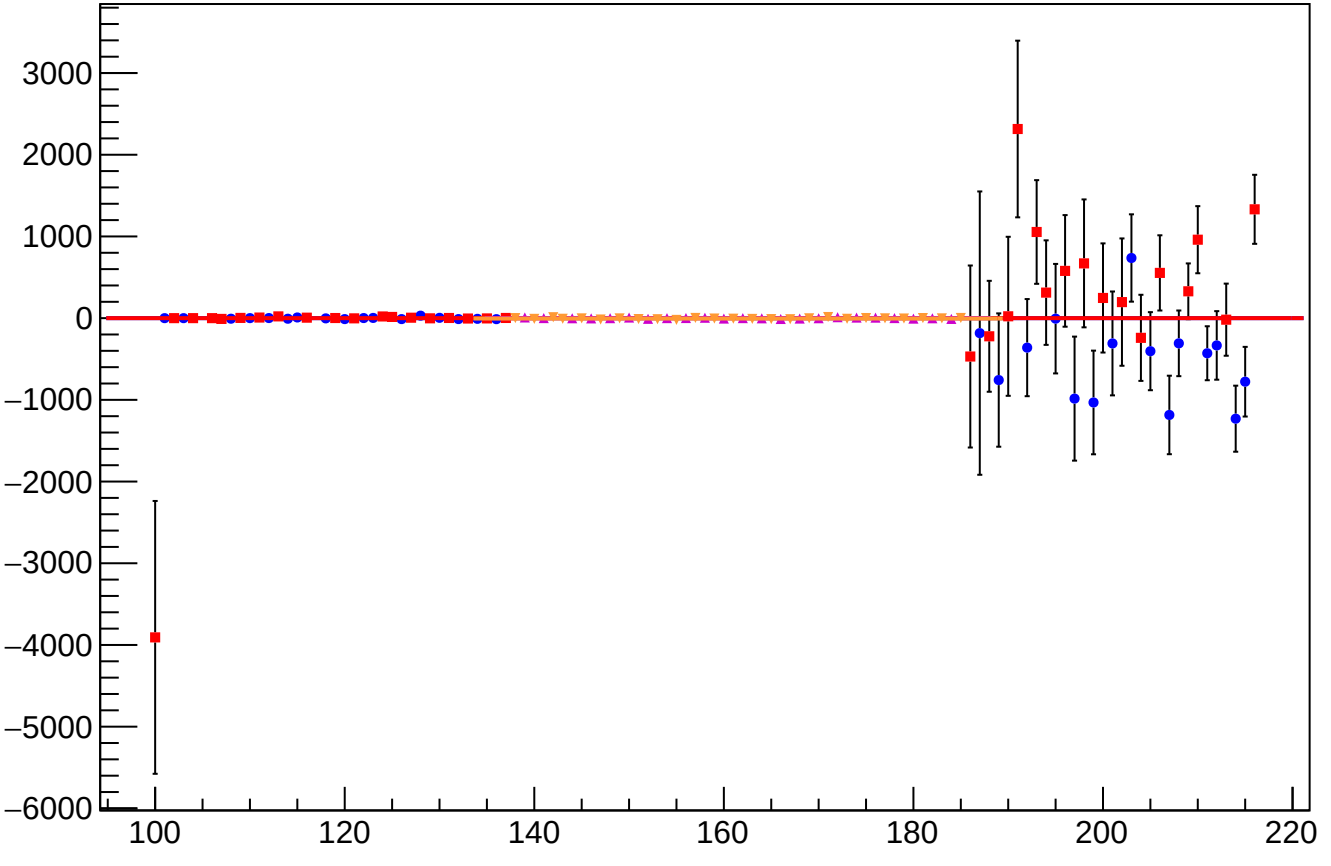
Right: 648.986+/-0.133 χ^2/NDF: 44790579.2/65

In: 544.682+/-0.080 χ^2/NDF:23132824.3/54

Out: 543.259+/-0.079 χ^2/NDF:23191476.4/58

All: 543.954+/-0.056 χ^2/NDF: 46324460.8/11

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 45.6/31

Left Out: -4.474+/-0.956 χ^2/NDF:58.2/24

Right Out: 0.027+/-0.020 χ^2/NDF: 44.3/34

Left In: 0.193+/-0.990 χ^2/NDF:29.2/22

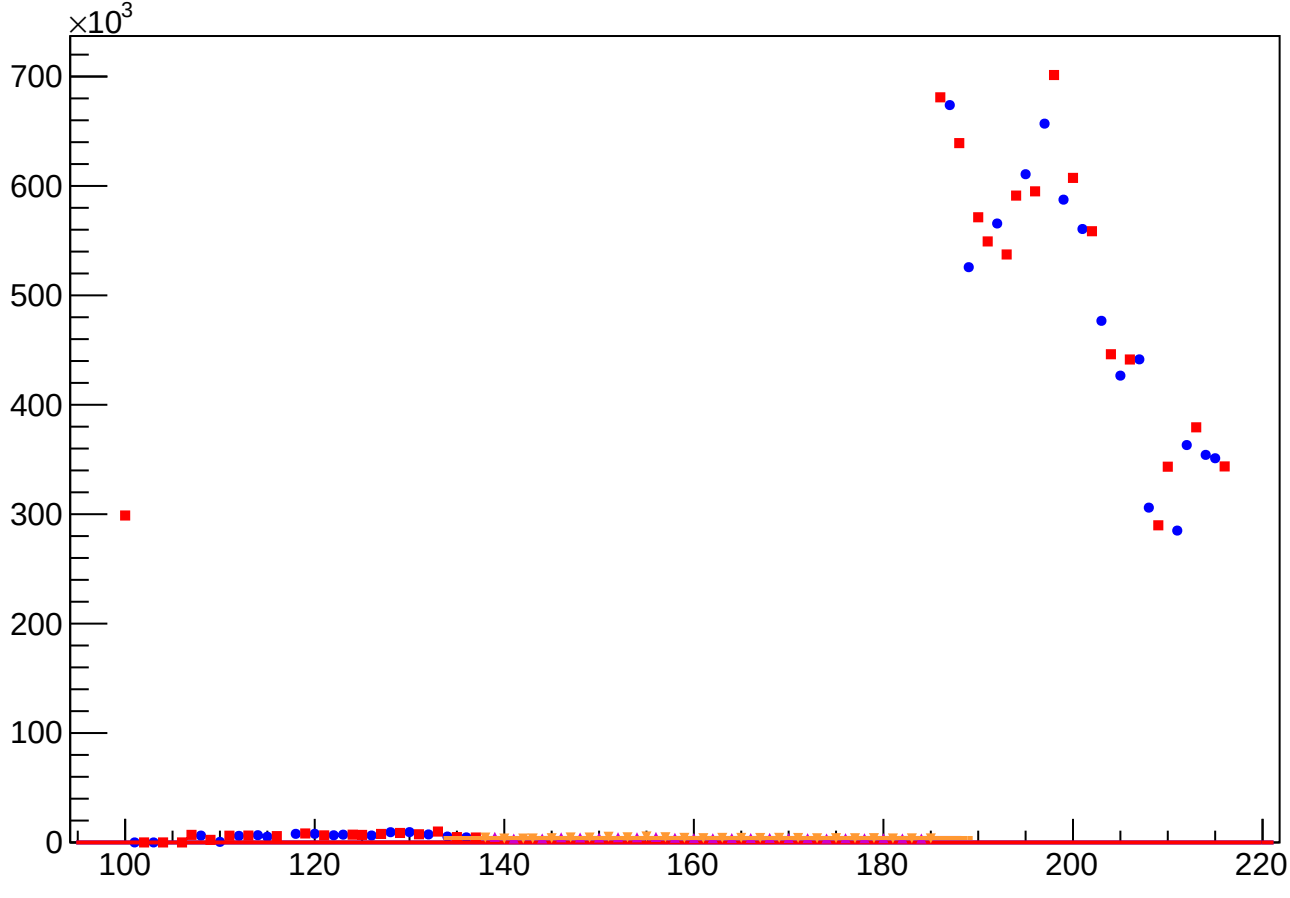
Left: -2.224+/-0.688 χ^2/NDF: 99.0/47

Right: 0.004+/-0.014 χ^2/NDF: 92.8/66

In: -0.022+/-0.021 χ^2/NDF:74.9/54

Out: 0.025+/-0.020 χ^2/NDF:124.7/59

All: 0.003+/-0.014 χ^2/NDF: 202.3/114



Right In: 17.346+/-0.015 χ^2/NDF: 31603749.0/31

Left Out: 4074.257+/-0.676 χ^2/NDF:416916.0/24

Right Out: 17.276+/-0.014 χ^2/NDF: 32325261.3/34

Left In: 4113.744+/-0.700 χ^2/NDF:354965.8/22

Left: 4093.298+/-0.486 χ^2/NDF: 773528.6/47

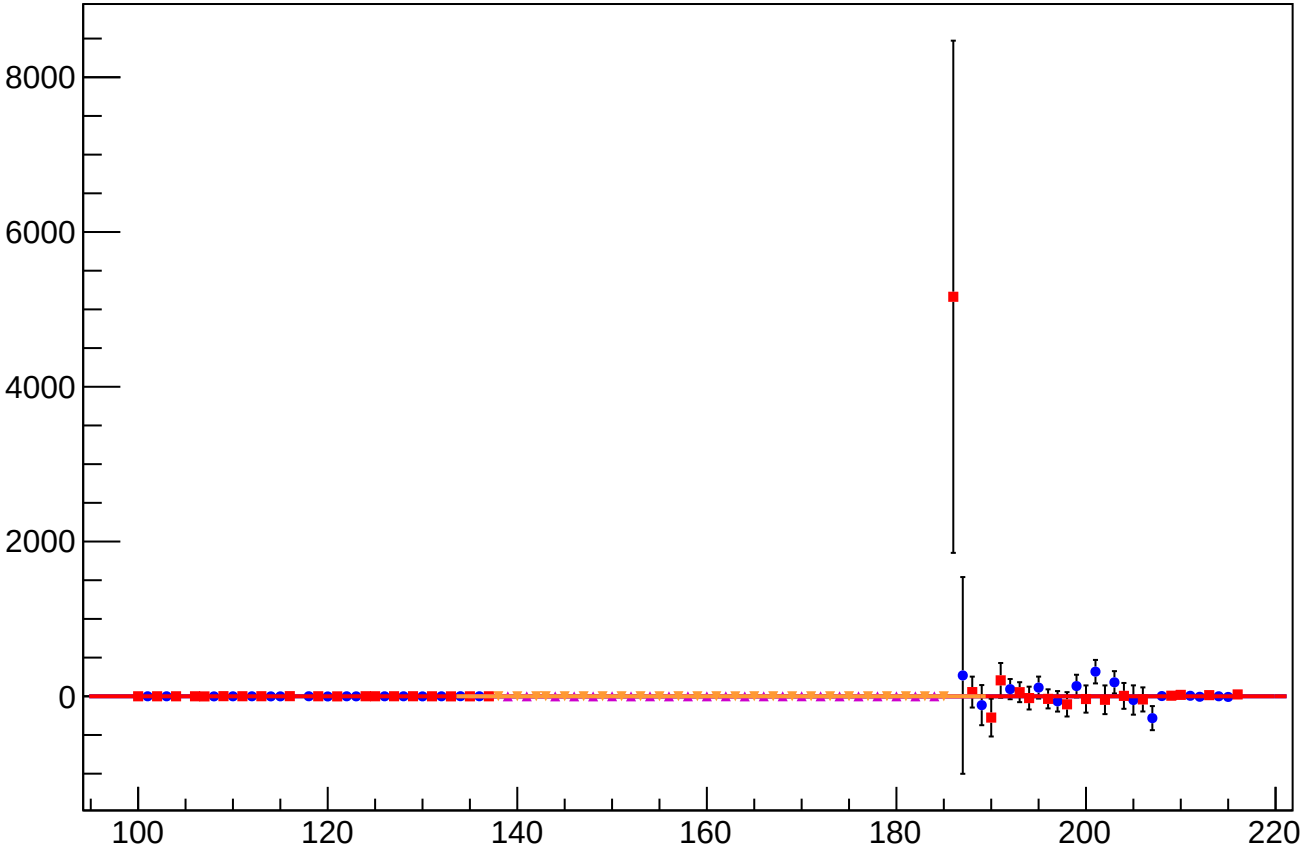
Right: 17.309+/-0.010 χ^2/NDF: 63929022.1/66

In: 19.152+/-0.015 χ^2/NDF:66172823.4/54

Out: 19.013+/-0.014 χ^2/NDF:68778100.1/59

All: 19.079+/-0.010 χ^2/NDF: 134950970.3/11

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.002 χ^2/NDF: 30.3/31

Left Out: 0.151+/-0.076 χ^2/NDF:16.8/24

Right Out: -0.001+/-0.002 χ^2/NDF: 50.0/34

Left In: -0.075+/-0.078 χ^2/NDF:34.8/22

Left: 0.041+/-0.055 χ^2/NDF: 55.8/47

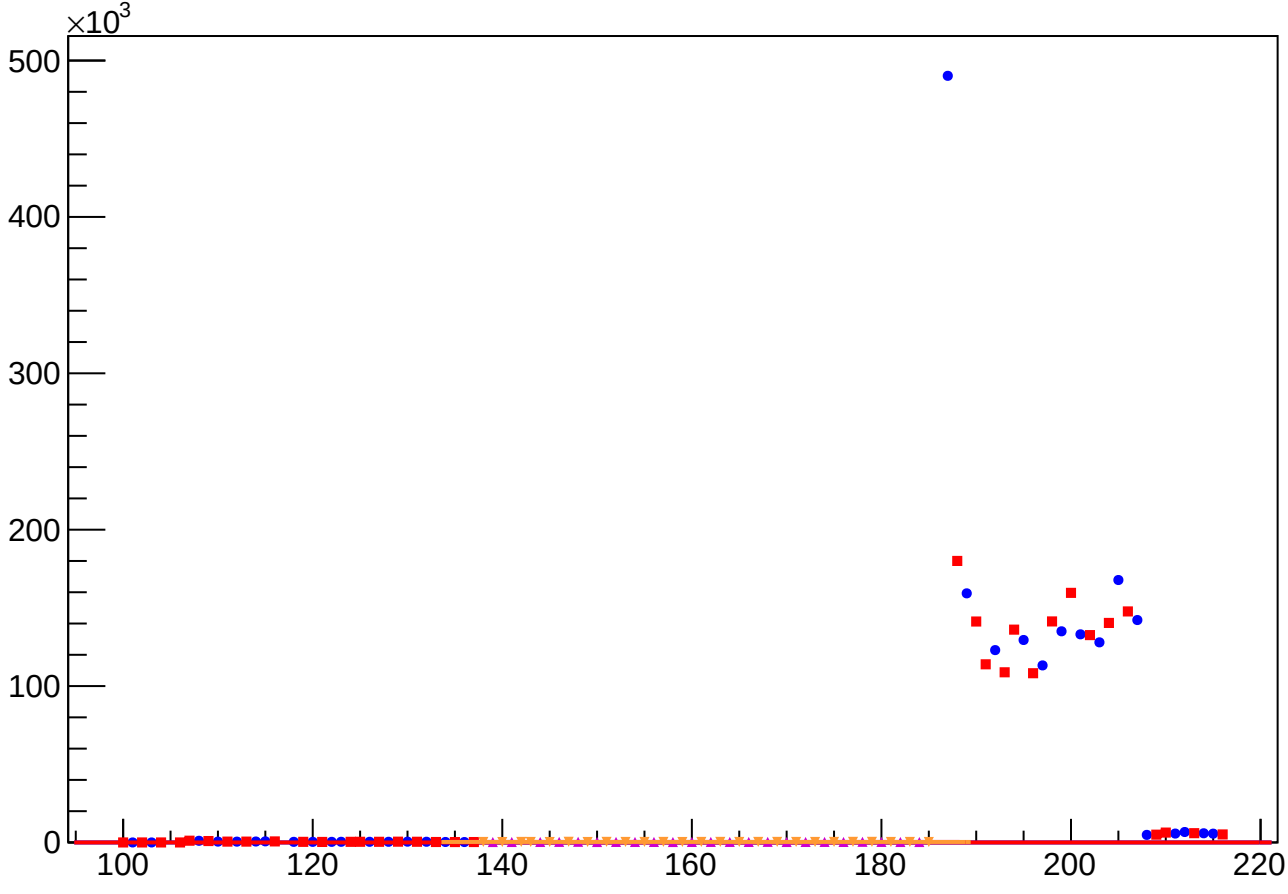
Right: -0.000+/-0.001 χ^2/NDF: 80.5/66

In: 0.000+/-0.002 χ^2/NDF:66.0/54

Out: -0.001+/-0.002 χ^2/NDF:70.8/59

All: -0.000+/-0.001 χ^2/NDF: 136.9/114

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.701+/-0.001 χ^2/NDF: 31862545.6/31

Left Out: 325.469+/-0.054 χ^2/NDF:350046.8/24

Right Out: 1.730+/-0.001 χ^2/NDF: 31258777.5/33

Left In: 325.201+/-0.055 χ^2/NDF:428069.7/22

Left: 325.339+/-0.039 χ^2/NDF: 778128.6/47

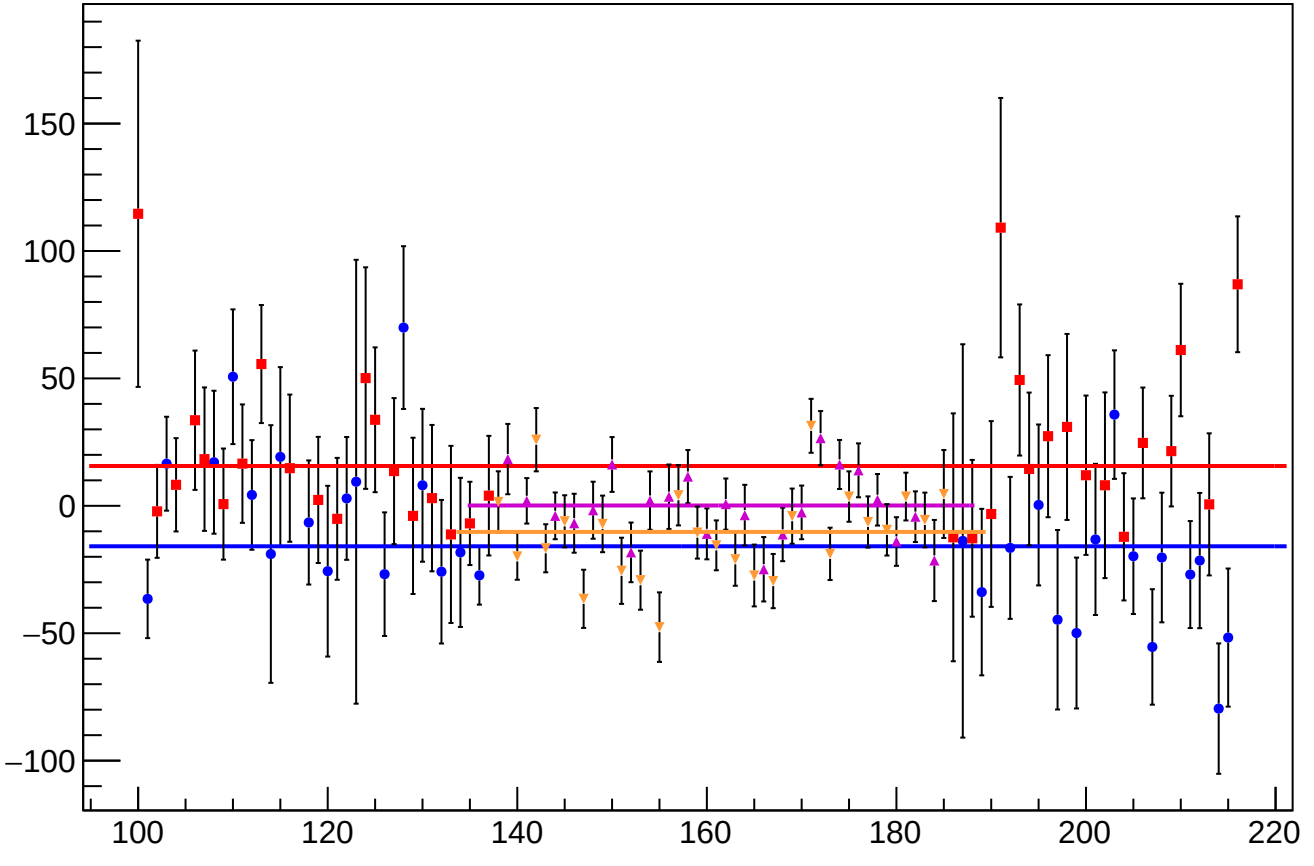
Right: 1.716+/-0.001 χ^2/NDF: 63121540.9/65

In: 1.916+/-0.001 χ^2/NDF:66265441.5/54

Out: 1.939+/-0.001 χ^2/NDF:67566163.6/58

All: 1.928+/-0.001 χ^2/NDF: 133831735.9/113

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -15.880+/-4.406 χ^2/NDF: 42.7/31

Left Out: -10.235+/-2.167 χ^2/NDF:58.0/24

Right Out: 15.623+/-4.505 χ^2/NDF: 31.1/34

Left In: 0.130+/-2.242 χ^2/NDF:29.8/22

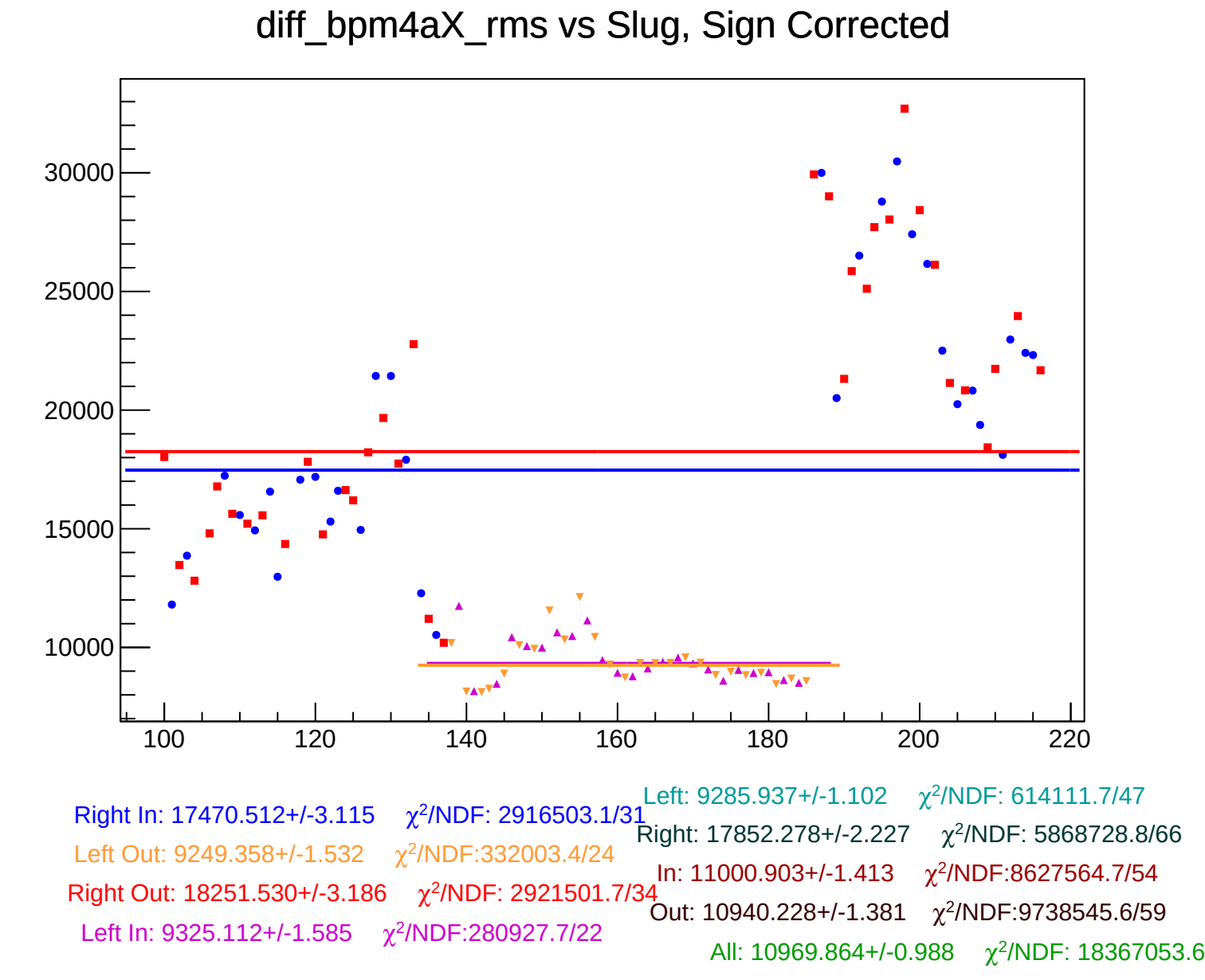
Left: -5.230+/-1.558 χ^2/NDF: 98.9/47

Right: -0.481+/-3.150 χ^2/NDF: 98.8/66

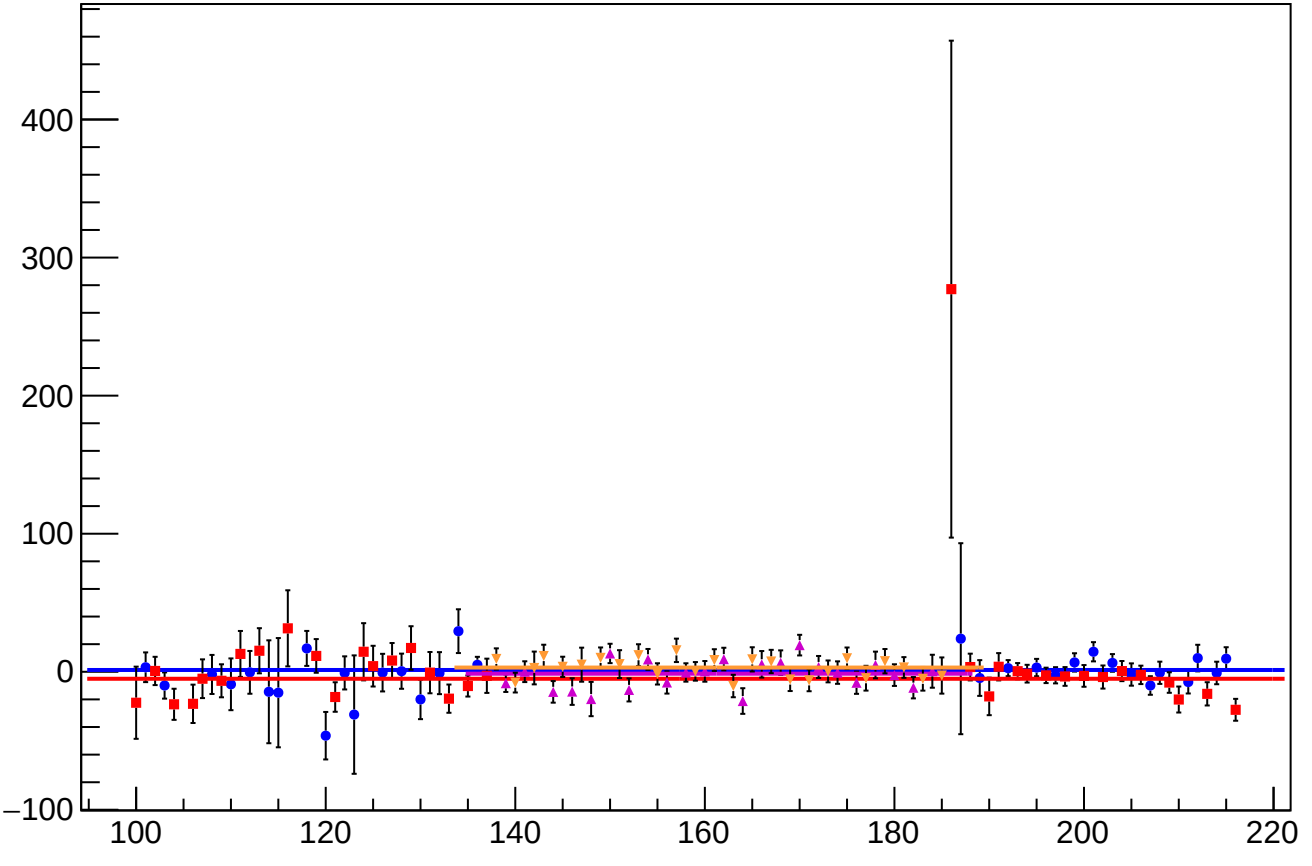
In: -3.164+/-1.998 χ^2/NDF:83.0/54

Out: -5.378+/-1.953 χ^2/NDF:115.8/59

All: -4.296+/-1.397 χ^2/NDF: 199.5/114


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17470.512+/-3.115 χ²/NDF: 2916503.1/31
Left Out: 9249.358+/-1.532 χ²/NDF:332003.4/24
Right Out: 18251.530+/-3.186 χ²/NDF: 2921501.7/34
Left In: 9325.112+/-1.585 χ²/NDF:280927.7/22
Left: 9285.937+/-1.102 χ²/NDF: 614111.7/47
Right: 17852.278+/-2.227 χ²/NDF: 5868728.8/66
In: 11000.903+/-1.413 χ²/NDF:8627564.7/54
Out: 10940.228+/-1.381 χ²/NDF:9738545.6/59
All: 10969.864+/-0.988 χ²/NDF: 18367053.6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.308+/-1.644 χ^2/NDF: 29.5/31

Left Out: 3.062+/-1.659 χ^2/NDF:18.3/24

Right Out: -5.060+/-1.623 χ^2/NDF: 39.5/34

Left In: -1.394+/-1.693 χ^2/NDF:35.4/22

Left: 0.879+/-1.185 χ^2/NDF: 57.2/47

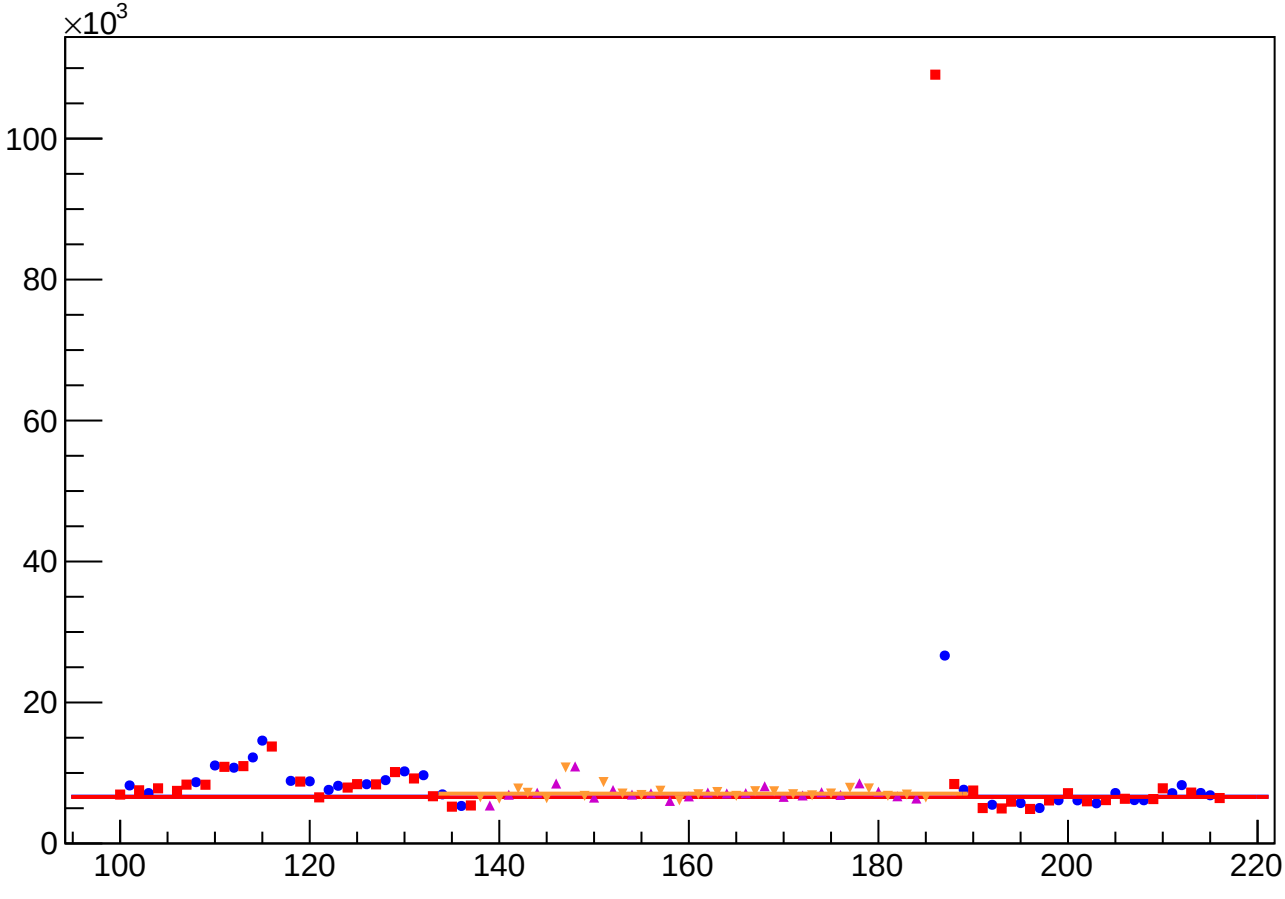
Right: -1.917+/-1.155 χ^2/NDF: 76.7/66

In: -0.003+/-1.179 χ^2/NDF:66.2/54

Out: -1.089+/-1.160 χ^2/NDF:70.1/59

All: -0.555+/-0.827 χ^2/NDF: 136.7/114

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6637.987+/-1.162 χ^2/NDF: 1607532.3/31

Left Out: 7066.826+/-1.173 χ^2/NDF:387449.8/24

Right Out: 6599.718+/-1.147 χ^2/NDF: 2151471.4/34

Left In: 7000.532+/-1.197 χ^2/NDF:550029.3/22

Left: 7034.358+/-0.838 χ^2/NDF: 939043.5/47

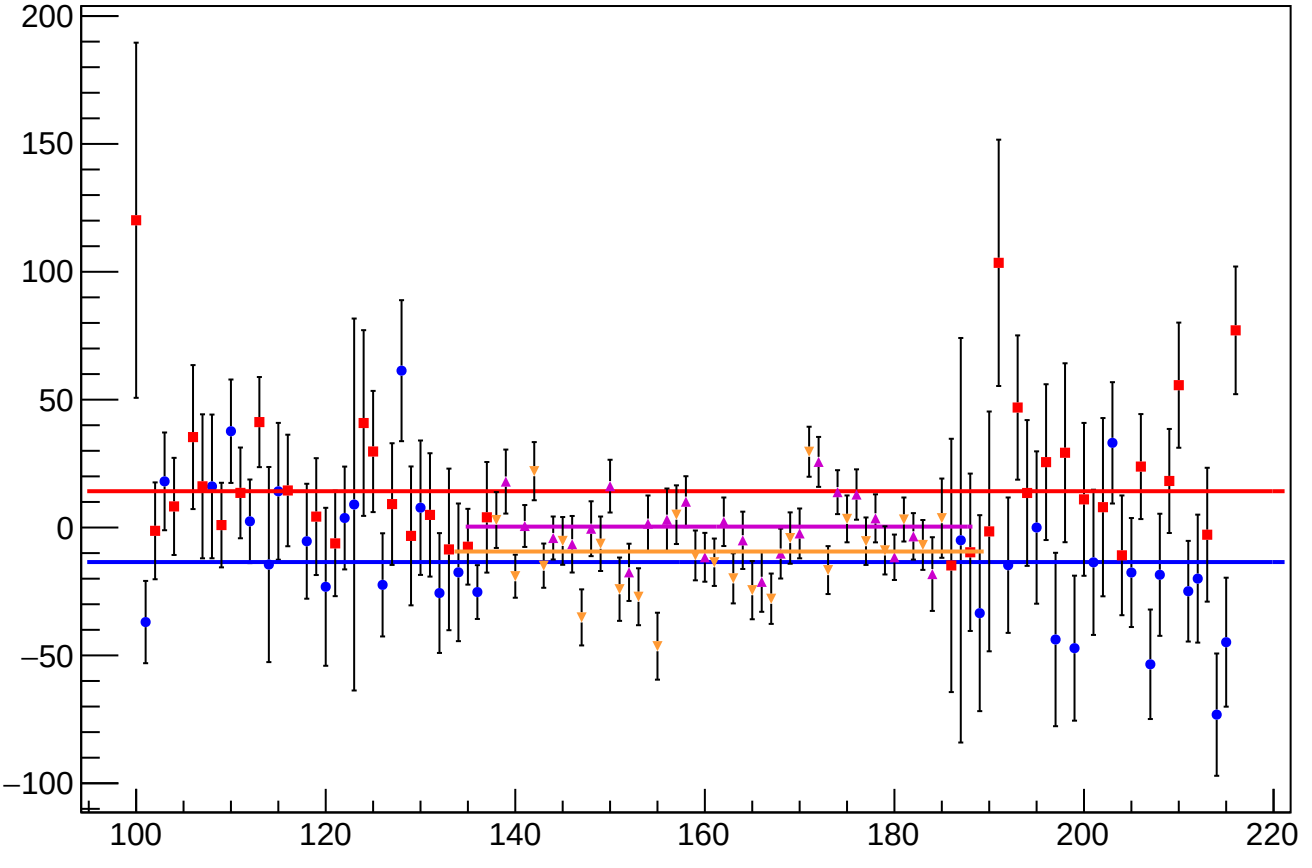
Right: 6618.606+/-0.816 χ^2/NDF: 3759552.8/66

In: 6813.865+/-0.834 χ^2/NDF:2204773.3/54

Out: 6828.105+/-0.820 χ^2/NDF:2619967.0/59

All: 6821.103+/-0.585 χ^2/NDF: 4824888.5/11

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -13.500+/-4.034 χ^2/NDF: 43.5/31

Left Out: -9.376+/-2.018 χ^2/NDF:58.4/24

Right Out: 14.202+/-4.089 χ^2/NDF: 29.6/34

Left In: 0.353+/-2.092 χ^2/NDF:29.6/22

Left: -4.688+/-1.452 χ^2/NDF: 99.3/47

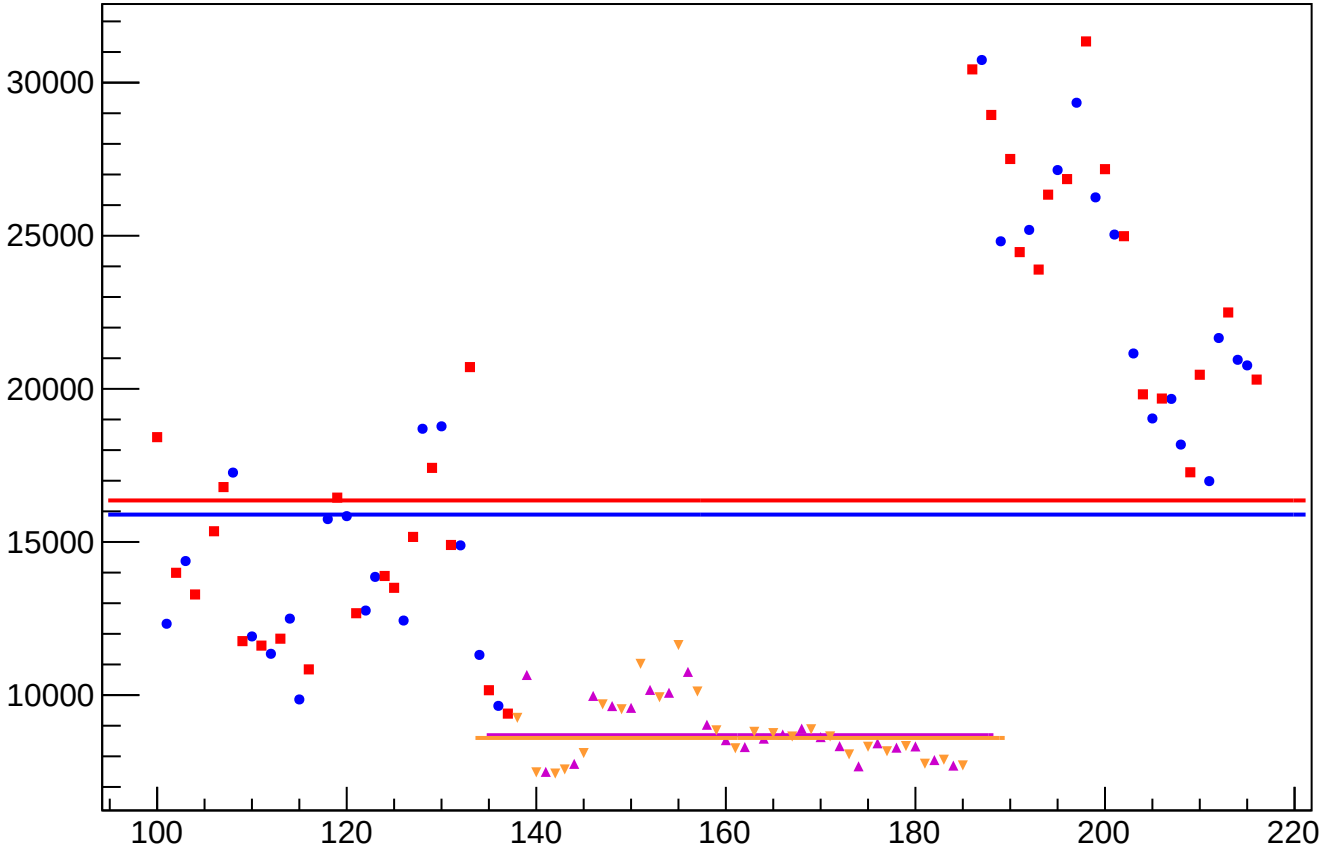
Right: 0.165+/-2.872 χ^2/NDF: 96.3/66

In: -2.583+/-1.857 χ^2/NDF:82.4/54

Out: -4.758+/-1.809 χ^2/NDF:114.7/59

All: -3.699+/-1.296 χ^2/NDF: 197.8/114

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 15894.435+/-2.852 χ^2/NDF: 3384288.4/31

Left Out: 8600.457+/-1.427 χ^2/NDF:438229.4/24

Right Out: 16356.235+/-2.891 χ^2/NDF: 3717599.2/34

Left In: 8690.209+/-1.479 χ^2/NDF:370834.1/22

Left: 8643.707+/-1.027 χ^2/NDF: 810970.4/47

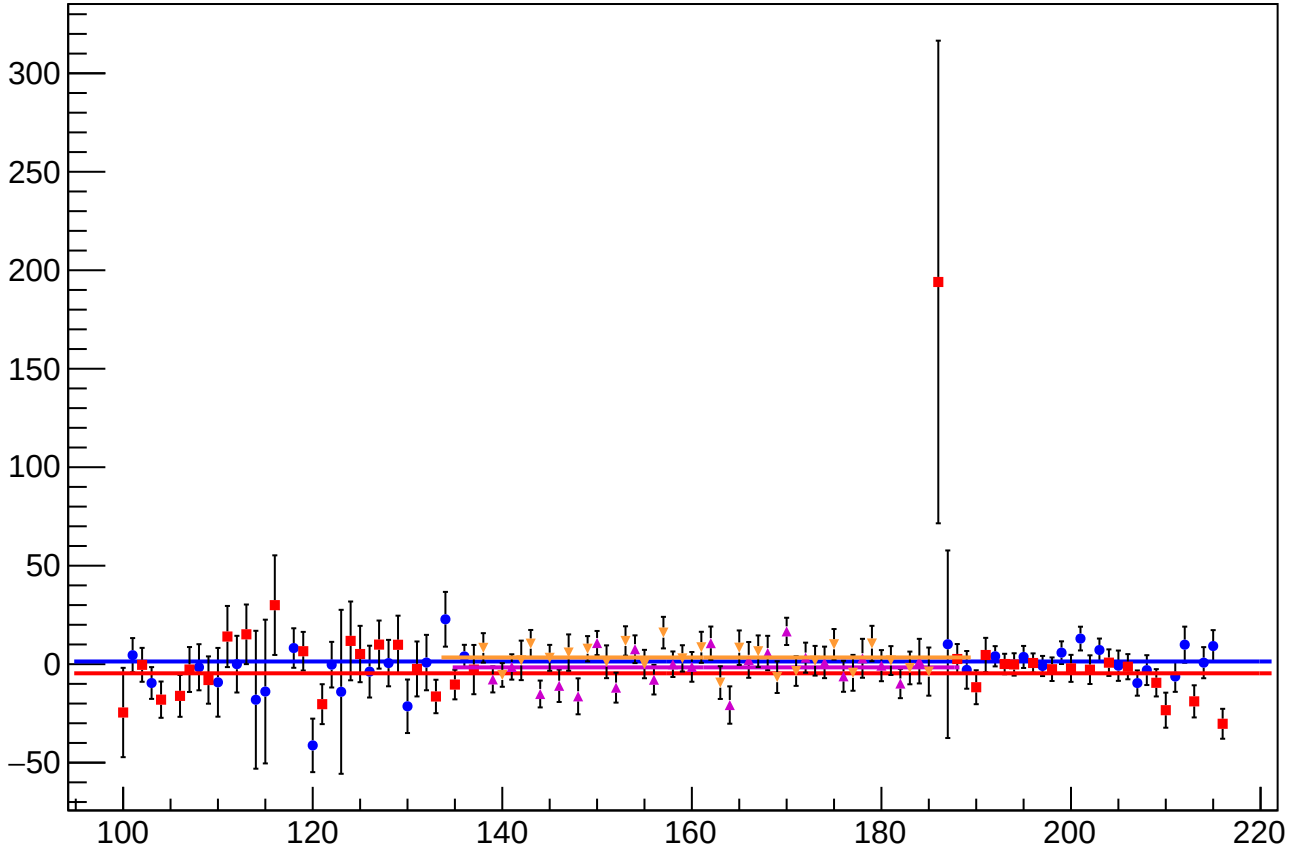
Right: 16122.222+/-2.031 χ^2/NDF: 7114816.2/66

In: 10217.360+/-1.313 χ^2/NDF:8781842.4/54

Out: 10119.365+/-1.279 χ^2/NDF:9942797.6/59

All: 10167.083+/-0.916 χ^2/NDF: 18727496.5

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.367+/-1.488 χ^2/NDF: 31.2/31

Left Out: 3.406+/-1.550 χ^2/NDF:16.8/24

Right Out: -4.641+/-1.447 χ^2/NDF: 47.8/34

Left In: -1.627+/-1.599 χ^2/NDF:33.5/22

Left: 0.967+/-1.113 χ^2/NDF: 55.4/47

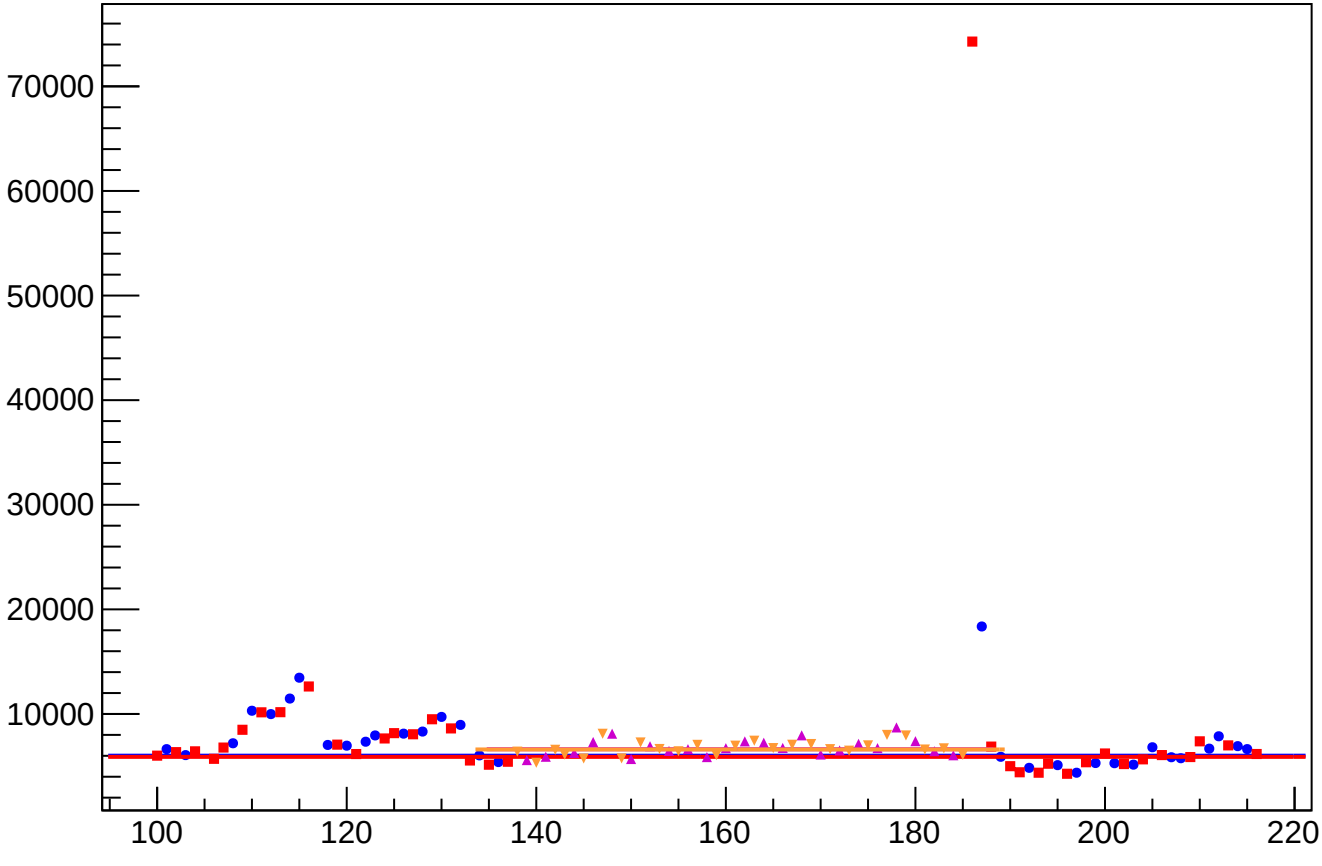
Right: -1.720+/-1.037 χ^2/NDF: 87.3/66

In: -0.022+/-1.089 χ^2/NDF:66.5/54

Out: -0.894+/-1.058 χ^2/NDF:79.0/59

All: -0.471+/-0.759 χ^2/NDF: 145.9/114

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6012.397+/-1.052 χ^2/NDF: 1639235.8/31

Left Out: 6607.100+/-1.096 χ^2/NDF:398416.1/24

Right Out: 5899.833+/-1.023 χ^2/NDF: 2235006.5/34

Left In: 6628.653+/-1.131 χ^2/NDF:430282.2/22

Left: 6617.543+/-0.787 χ^2/NDF: 828885.6/47

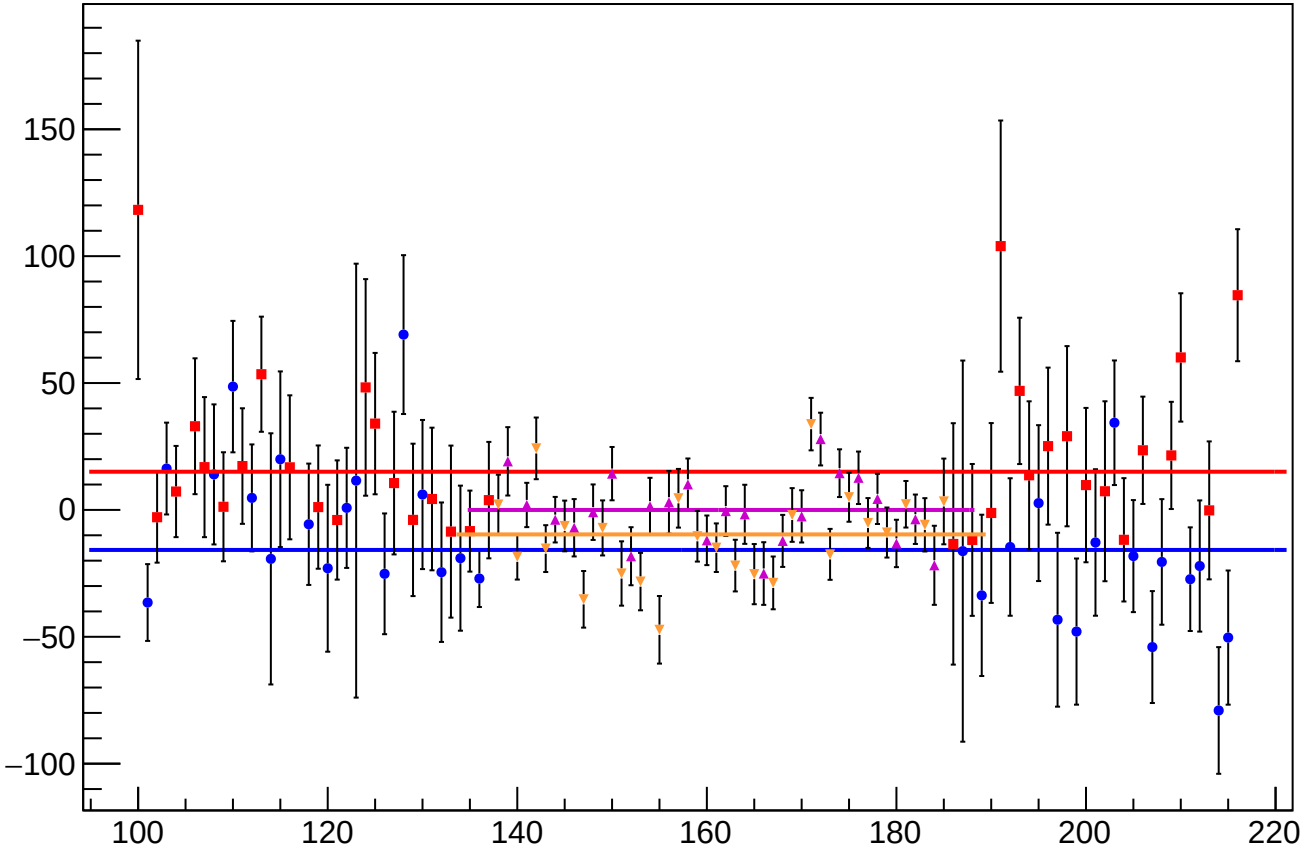
Right: 5954.564+/-0.734 χ^2/NDF: 3880123.6/66

In: 6298.348+/-0.770 χ^2/NDF:2228721.1/54

Out: 6229.192+/-0.748 χ^2/NDF:2855799.0/59

All: 6262.763+/-0.537 χ^2/NDF: 5088668.1/11

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -15.771+/-4.307 χ^2/NDF: 42.7/31

Left Out: -9.649+/-2.118 χ^2/NDF:59.8/24

Right Out: 15.050+/-4.405 χ^2/NDF: 31.1/34

Left In: -0.019+/-2.192 χ^2/NDF:30.6/22

Left: -4.999+/-1.523 χ^2/NDF: 100.4/47

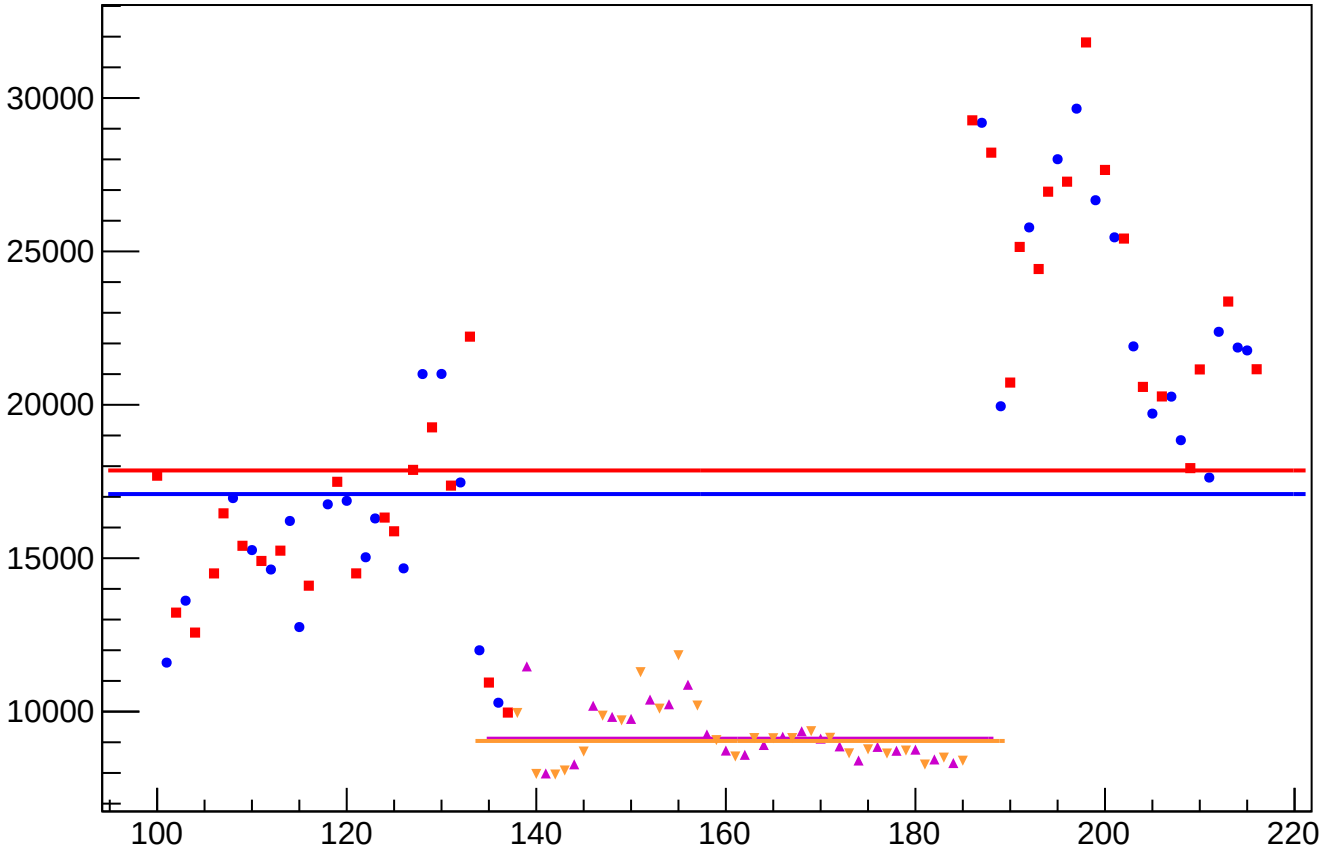
Right: -0.710+/-3.079 χ^2/NDF: 98.8/66

In: -3.261+/-1.954 χ^2/NDF:83.9/54

Out: -5.011+/-1.909 χ^2/NDF:116.4/59

All: -4.156+/-1.365 χ^2/NDF: 200.8/114

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 17090.508+/-3.045 χ^2/NDF: 2869999.2/31

Left Out: 9043.485+/-1.498 χ^2/NDF:328192.2/24

Right Out: 17860.183+/-3.115 χ^2/NDF: 2869291.4/34

Left In: 9116.921+/-1.550 χ^2/NDF:277594.8/22

Left: 9078.947+/-1.077 χ^2/NDF: 606947.8/47

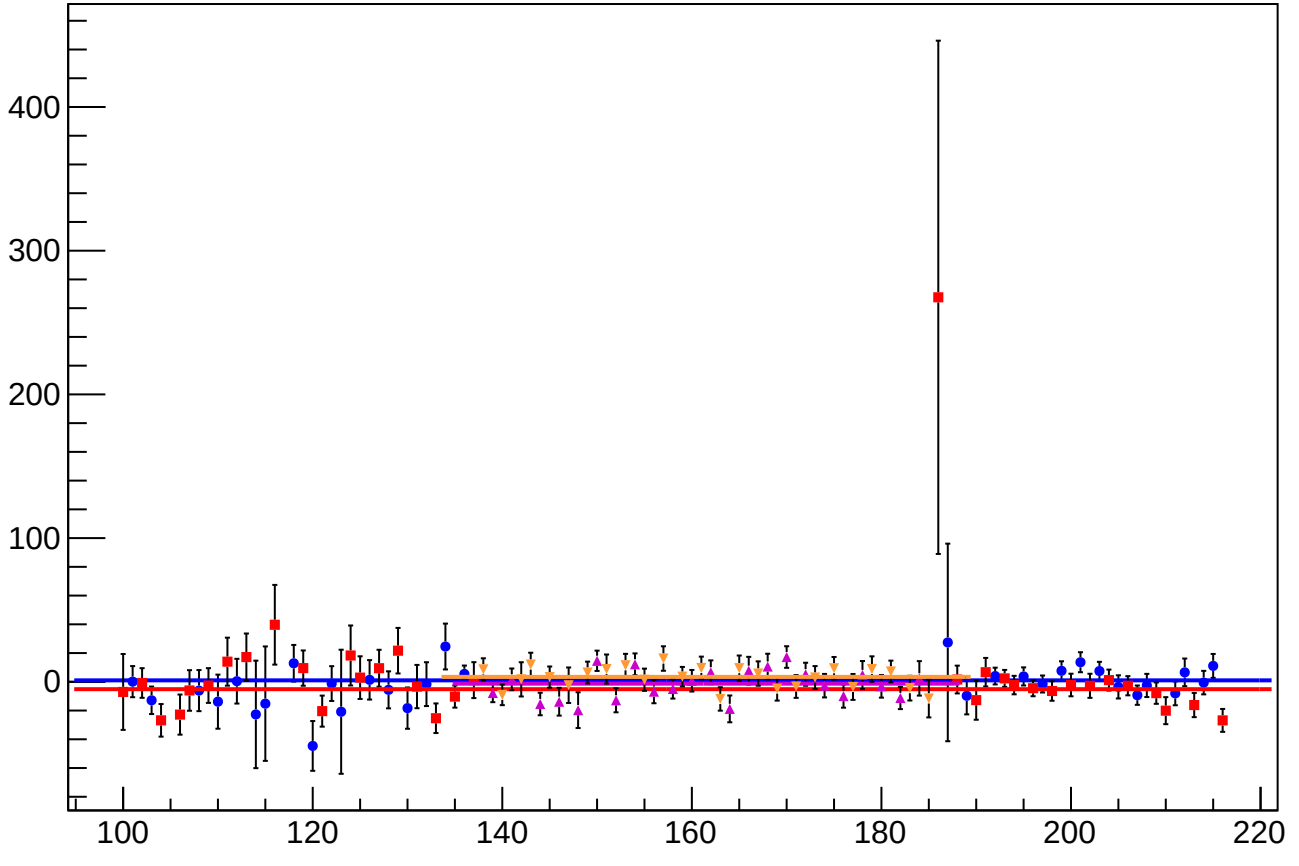
Right: 17466.630+/-2.178 χ^2/NDF: 5770508.5/66

In: 10757.586+/-1.381 χ^2/NDF:8592929.9/54

Out: 10699.186+/-1.350 χ^2/NDF:9704349.2/59

All: 10727.713+/-0.965 χ^2/NDF: 18298193.5

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.011+/-1.648 χ^2/NDF: 29.2/31

Left Out: 3.439+/-1.666 χ^2/NDF:18.9/24

Right Out: -5.134+/-1.628 χ^2/NDF: 44.3/34

Left In: -1.291+/-1.701 χ^2/NDF:36.5/22

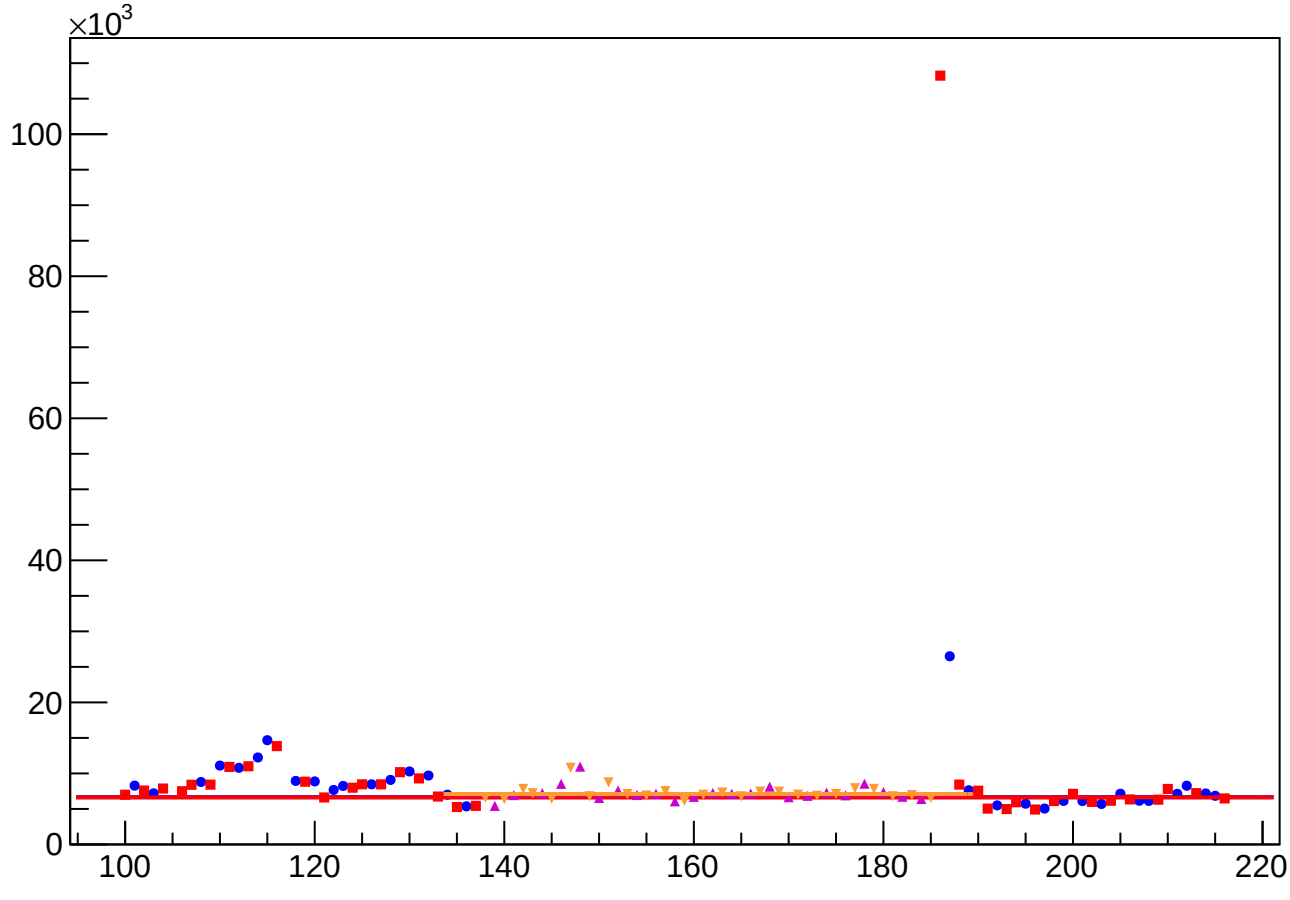
Left: 1.123+/-1.190 χ^2/NDF: 59.4/47

Right: -2.099+/-1.158 χ^2/NDF: 80.5/66

In: -0.104+/-1.184 χ^2/NDF:66.7/54

Out: -0.945+/-1.165 χ^2/NDF:76.7/59

All: -0.531+/-0.830 χ^2/NDF: 143.7/114



Right In: 6658.094+/-1.166 χ^2/NDF: 1613782.2/31

Left Out: 7098.726+/-1.178 χ^2/NDF:382550.4/24

Right Out: 6624.891+/-1.152 χ^2/NDF: 2154888.9/34

Left In: 7033.702+/-1.203 χ^2/NDF:541035.5/22

Left: 7066.886+/-0.842 χ^2/NDF: 925077.6/47

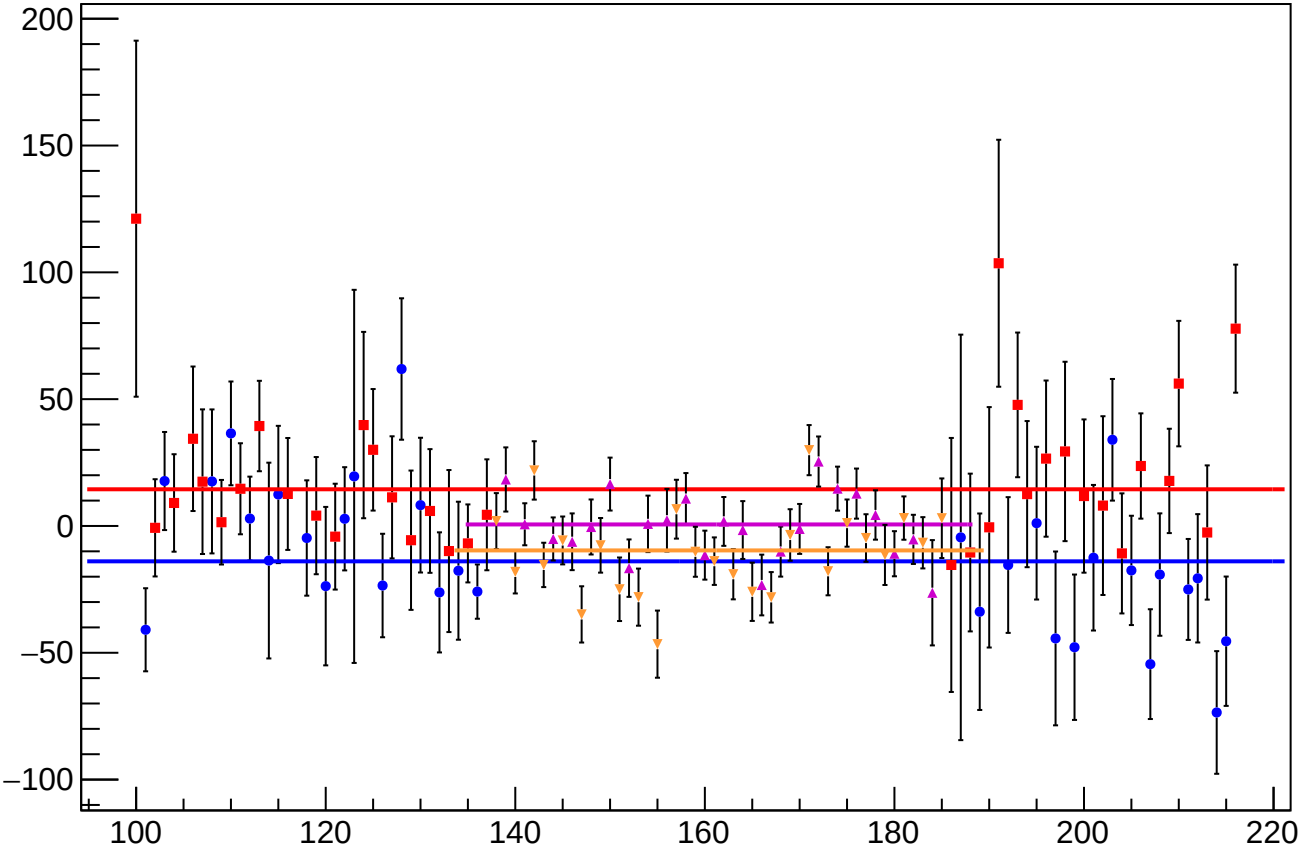
Right: 6641.290+/-0.819 χ^2/NDF: 3769081.7/66

In: 6840.016+/-0.837 χ^2/NDF:2205111.2/54

Out: 6856.399+/-0.823 χ^2/NDF:2620169.3/59

All: 6848.341+/-0.587 χ^2/NDF: 4825475.2/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -13.946+/-4.085 χ^2/NDF: 44.0/31

Left Out: -9.640+/-2.057 χ^2/NDF:57.6/24

Right Out: 14.461+/-4.143 χ^2/NDF: 28.5/34

Left In: 0.599+/-2.135 χ^2/NDF:29.7/22

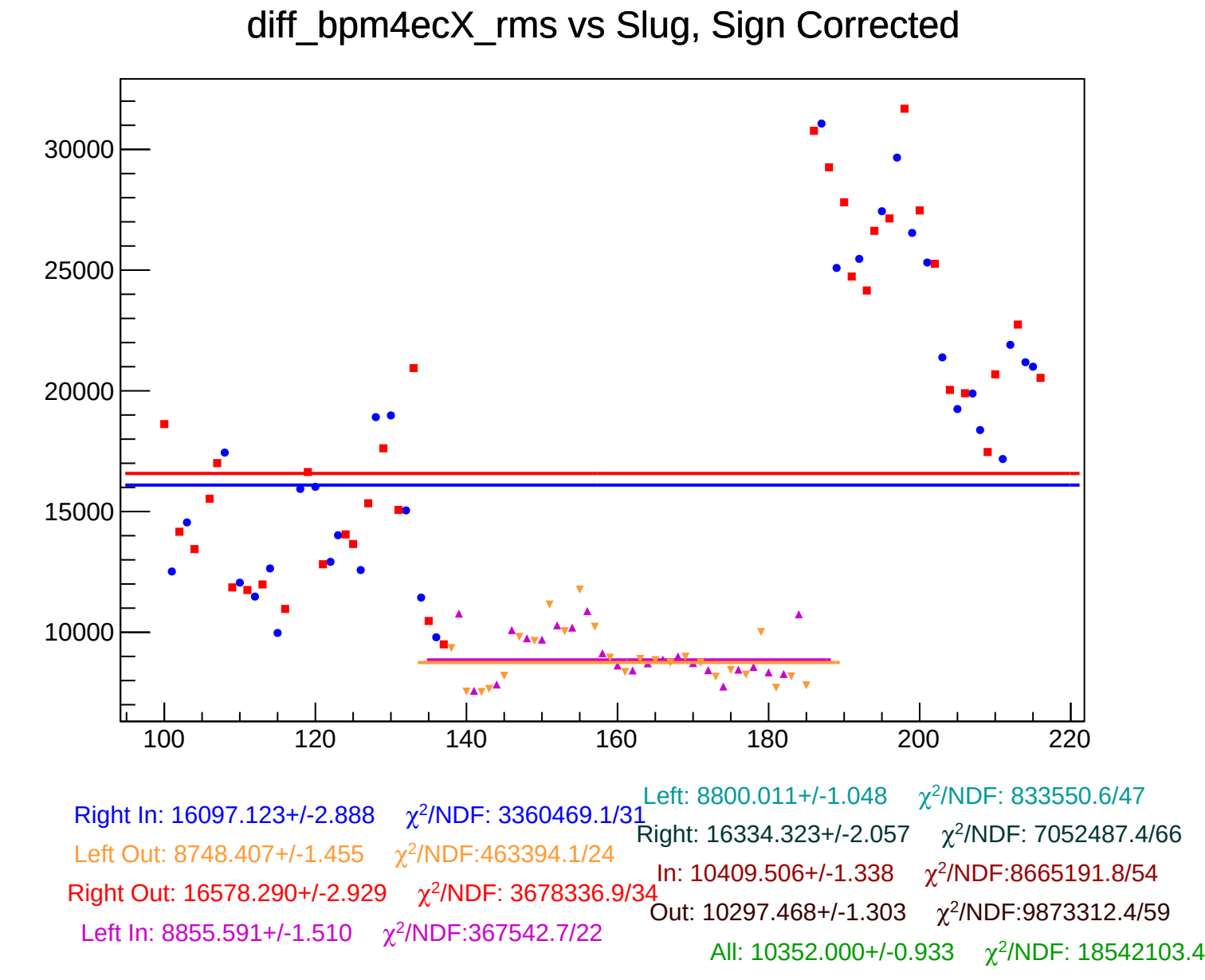
Left: -4.710+/-1.481 χ^2/NDF: 99.2/47

Right: 0.058+/-2.909 χ^2/NDF: 96.3/66

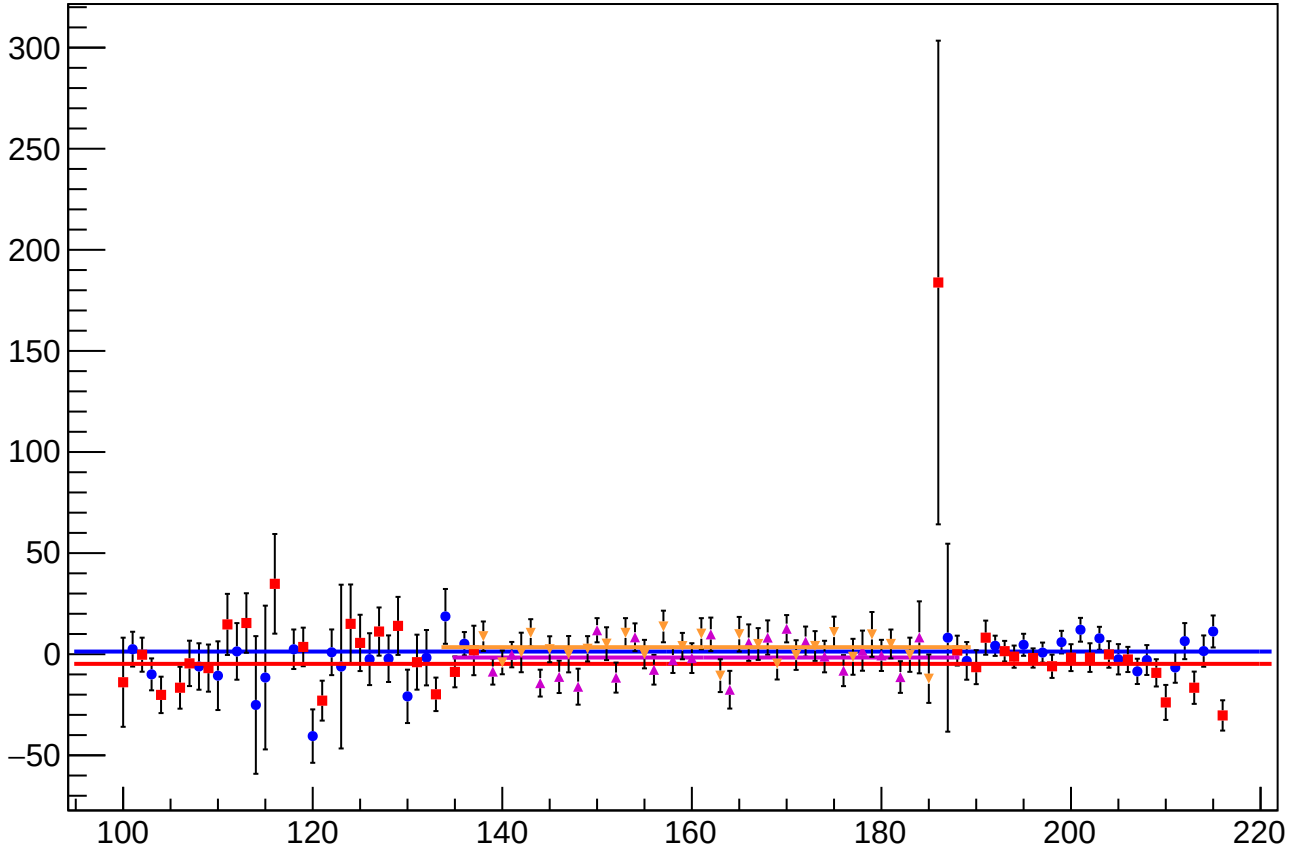
In: -2.522+/-1.892 χ^2/NDF:83.6/54

Out: -4.872+/-1.843 χ^2/NDF:113.3/59

All: -3.728+/-1.320 χ^2/NDF: 197.6/114


diff_bpm4ecX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16097.123+/-2.888 χ²/NDF: 3360469.1/31
Left Out: 8748.407+/-1.455 χ²/NDF:463394.1/24
Right Out: 16578.290+/-2.929 χ²/NDF: 3678336.9/34
Left In: 8855.591+/-1.510 χ²/NDF:367542.7/22
Left: 8800.011+/-1.048 χ²/NDF: 833550.6/47
Right: 16334.323+/-2.057 χ²/NDF: 7052487.4/66
In: 10409.506+/-1.338 χ²/NDF:8665191.8/54
Out: 10297.468+/-1.303 χ²/NDF:9873312.4/59
All: 10352.000+/-0.933 χ²/NDF: 18542103.4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.314+/-1.452 χ^2/NDF: 31.3/31

Left Out: 3.473+/-1.524 χ^2/NDF:15.8/24

Right Out: -4.773+/-1.412 χ^2/NDF: 52.1/34

Left In: -1.638+/-1.578 χ^2/NDF:33.7/22

Left: 1.006+/-1.096 χ^2/NDF: 54.9/47

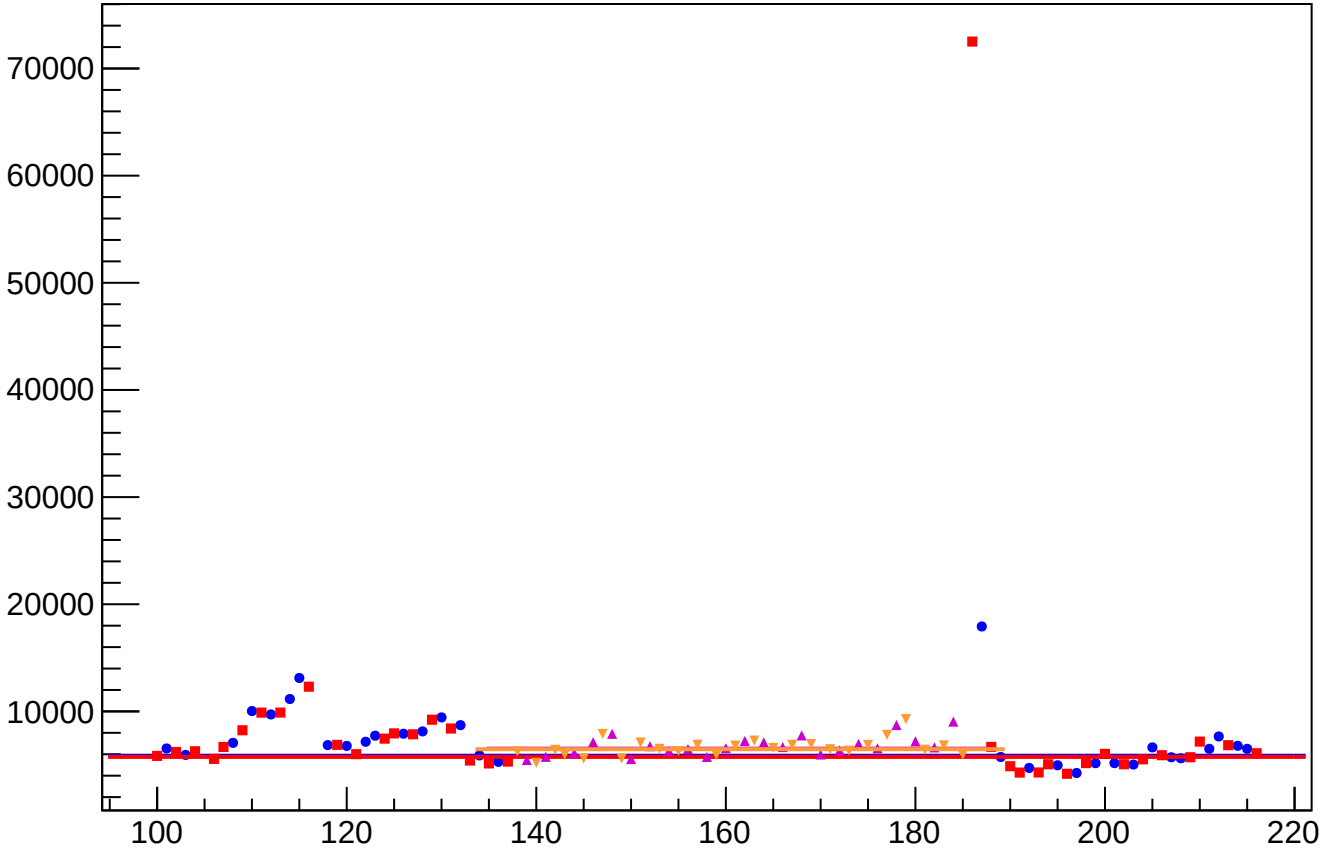
Right: -1.814+/-1.012 χ^2/NDF: 92.4/66

In: -0.039+/-1.068 χ^2/NDF:66.9/54

Out: -0.965+/-1.036 χ^2/NDF:83.6/59

All: -0.517+/-0.744 χ^2/NDF: 150.9/114

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5863.292+/-1.026 χ^2/NDF: 1648108.5/31

Left Out: 6471.976+/-1.078 χ^2/NDF:490282.9/24

Right Out: 5752.328+/-0.998 χ^2/NDF: 2228045.6/34

Left In: 6521.975+/-1.116 χ^2/NDF:480034.7/22

Left: 6496.112+/-0.775 χ^2/NDF: 971356.4/47

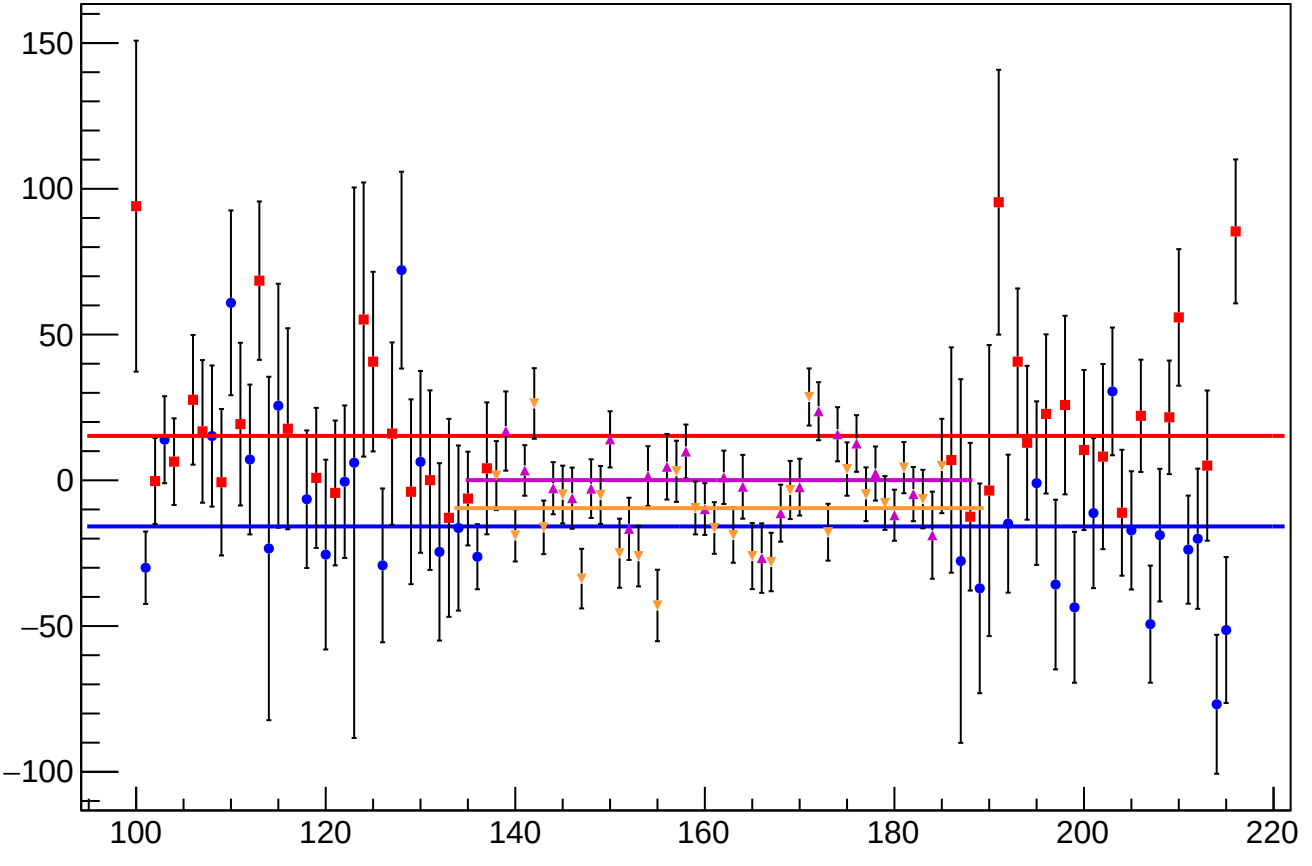
Right: 5806.265+/-0.716 χ^2/NDF: 3882160.6/66

In: 6165.218+/-0.755 χ^2/NDF:2316912.9/54

Out: 6084.593+/-0.732 χ^2/NDF:2958294.8/59

All: 6123.659+/-0.526 χ^2/NDF: 5281079.7/11

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -15.823+/-4.108 χ^2/NDF: 42.1/31

Left Out: -9.554+/-2.012 χ^2/NDF:59.5/24

Right Out: 15.235+/-4.222 χ^2/NDF: 32.4/34

Left In: 0.072+/-2.073 χ^2/NDF:29.8/22

Left: -4.885+/-1.444 χ^2/NDF: 100.5/47

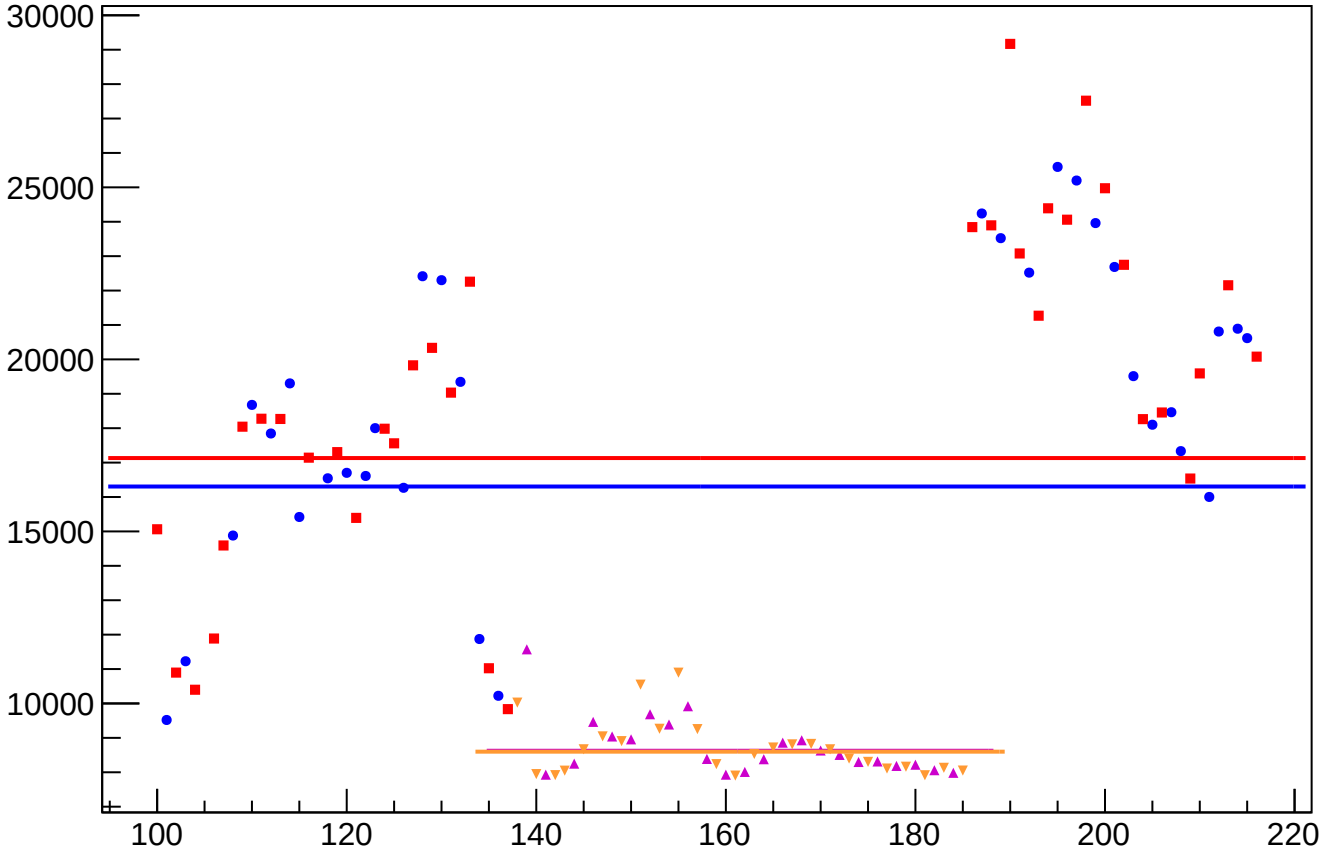
Right: -0.716+/-2.944 χ^2/NDF: 102.3/66

In: -3.153+/-1.851 χ^2/NDF:83.8/54

Out: -4.967+/-1.816 χ^2/NDF:120.1/59

All: -4.077+/-1.296 χ^2/NDF: 204.4/114

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 16305.022+/-2.905 χ^2/NDF: 2908504.6/31

Left Out: 8598.983+/-1.423 χ^2/NDF:249070.5/24

Right Out: 17132.216+/-2.985 χ^2/NDF: 2795518.8/34

Left In: 8625.233+/-1.466 χ^2/NDF:237310.9/22

Left: 8611.717+/-1.021 χ^2/NDF: 486546.6/47

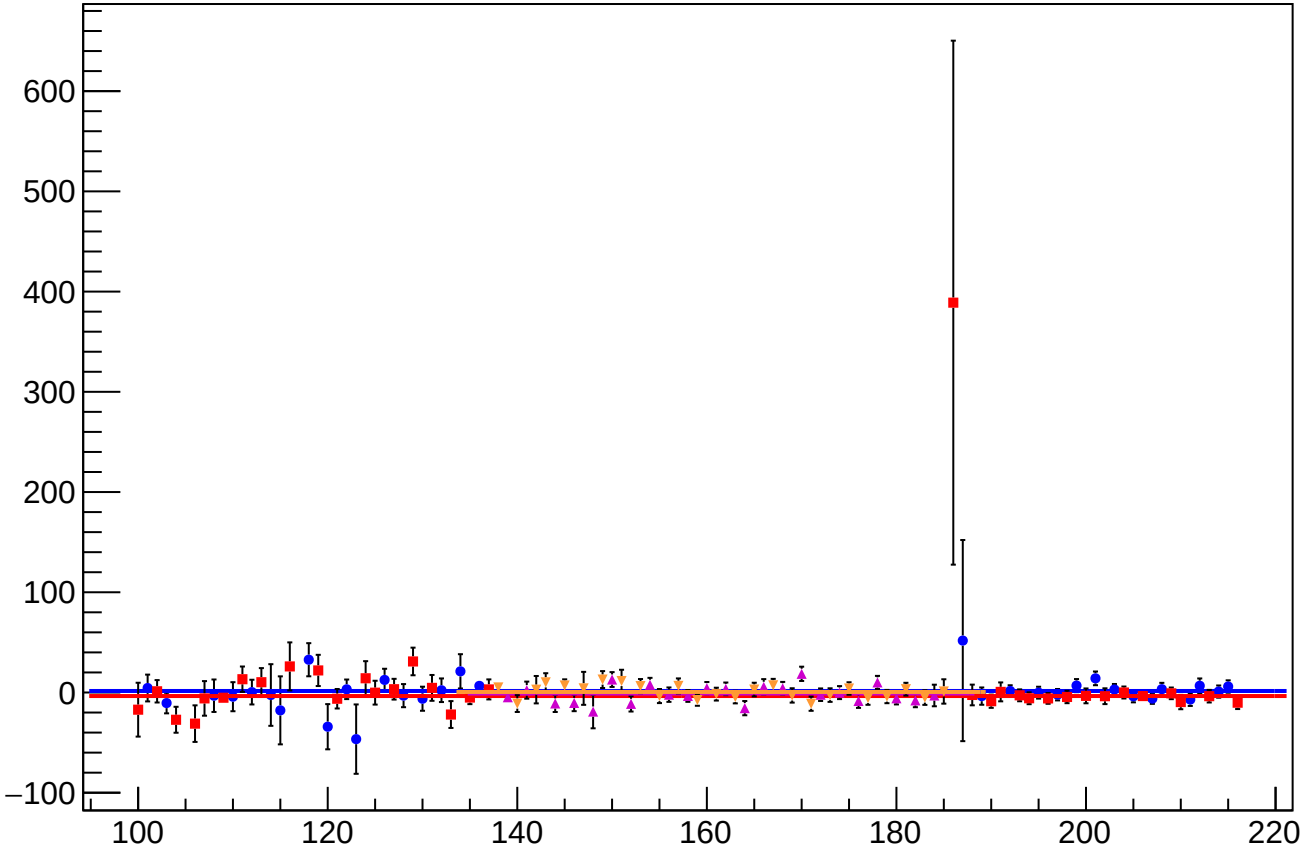
Right: 16707.392+/-2.082 χ^2/NDF: 5743461.1/66

In: 10183.358+/-1.309 χ^2/NDF:8716329.1/54

Out: 10178.230+/-1.284 χ^2/NDF:9704080.9/59

All: 10180.746+/-0.917 χ^2/NDF: 18420417.8

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.507+/-1.417 χ^2/NDF: 25.2/31

Left Out: 0.528+/-1.418 χ^2/NDF:19.5/24

Right Out: -3.538+/-1.374 χ^2/NDF: 29.7/34

Left In: -1.050+/-1.396 χ^2/NDF:32.5/22

Left: -0.273+/-0.995 χ^2/NDF: 52.6/47

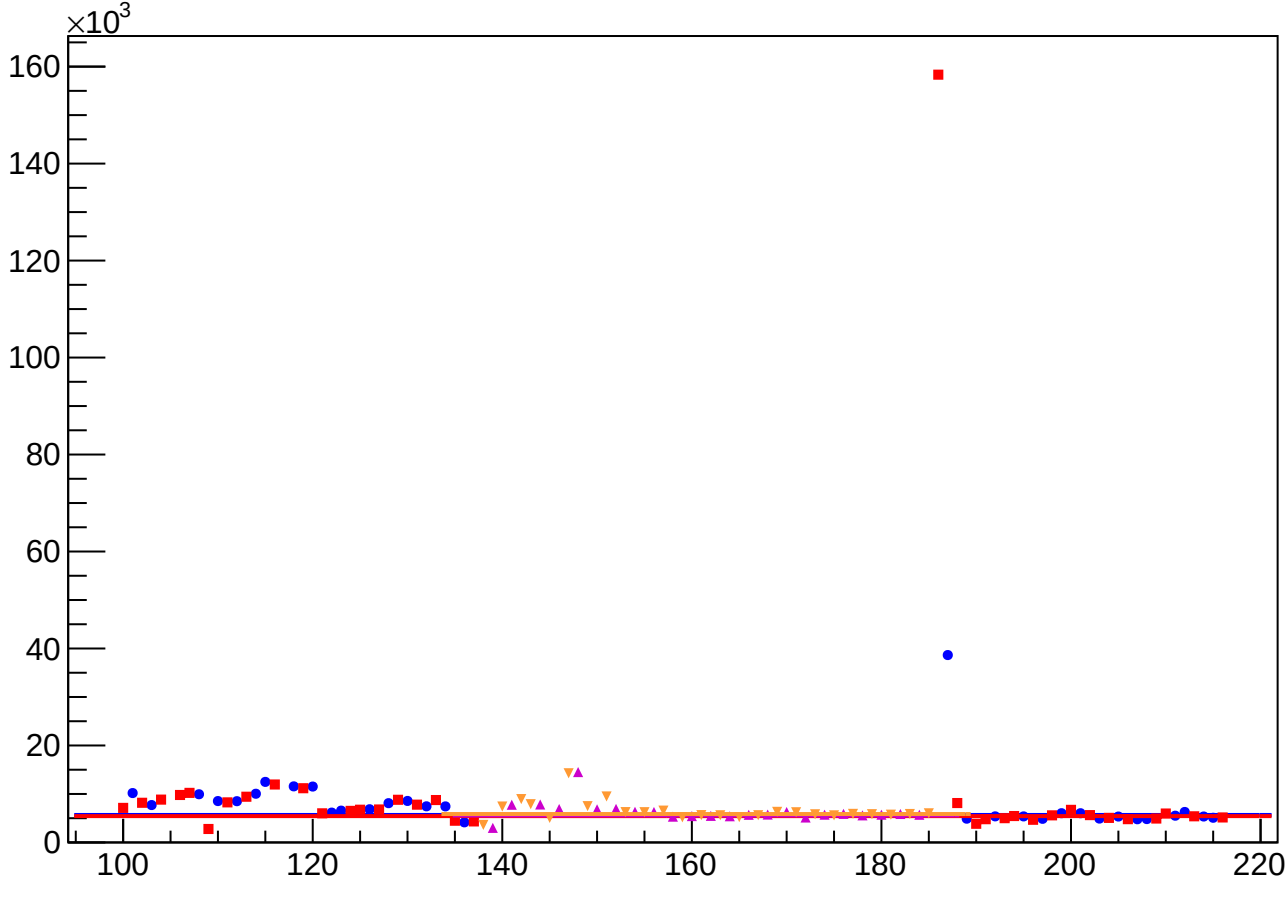
Right: -1.094+/-0.986 χ^2/NDF: 61.4/66

In: 0.209+/-0.994 χ^2/NDF:59.4/54

Out: -1.569+/-0.987 χ^2/NDF:53.4/59

All: -0.687+/-0.700 χ^2/NDF: 114.4/114

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5669.374+/-1.002 χ^2/NDF: 2135486.6/31

Left Out: 5860.605+/-1.002 χ^2/NDF:1690049.2/24

Right Out: 5431.397+/-0.971 χ^2/NDF: 3466027.7/34

Left In: 5571.330+/-0.987 χ^2/NDF:2162788.3/22

Left: 5713.698+/-0.703 χ^2/NDF: 3895130.2/47

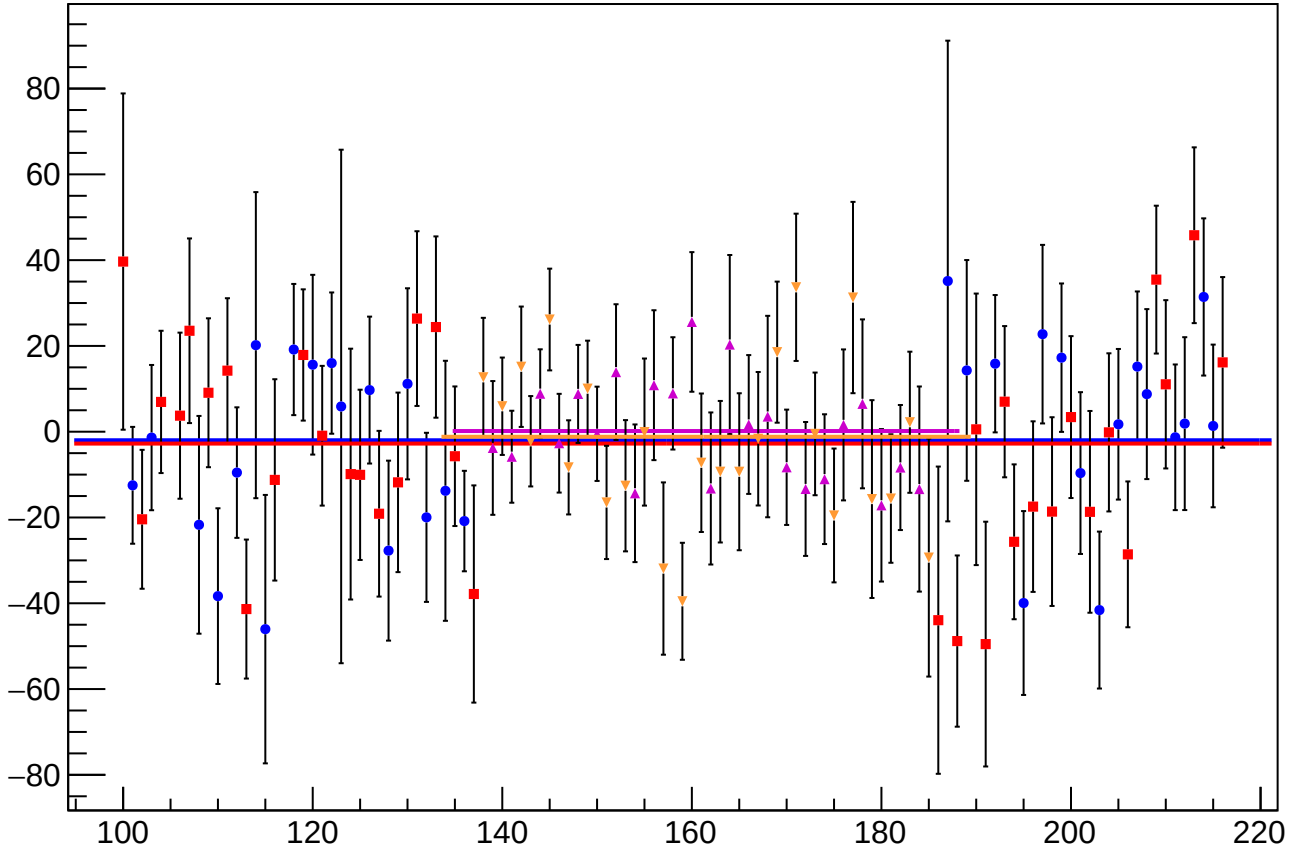
Right: 5546.710+/-0.697 χ^2/NDF: 5630594.7/66

In: 5619.607+/-0.703 χ^2/NDF:4303135.7/54

Out: 5639.264+/-0.698 χ^2/NDF:5250622.2/59

All: 5629.512+/-0.495 χ^2/NDF: 9554151.8/11

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -1.994+/-3.367 χ^2/NDF: 34.1/31

Left Out: -1.182+/-2.939 χ^2/NDF:33.7/24

Right Out: -2.769+/-3.327 χ^2/NDF: 47.3/34

Left In: 0.157+/-3.058 χ^2/NDF:11.5/22

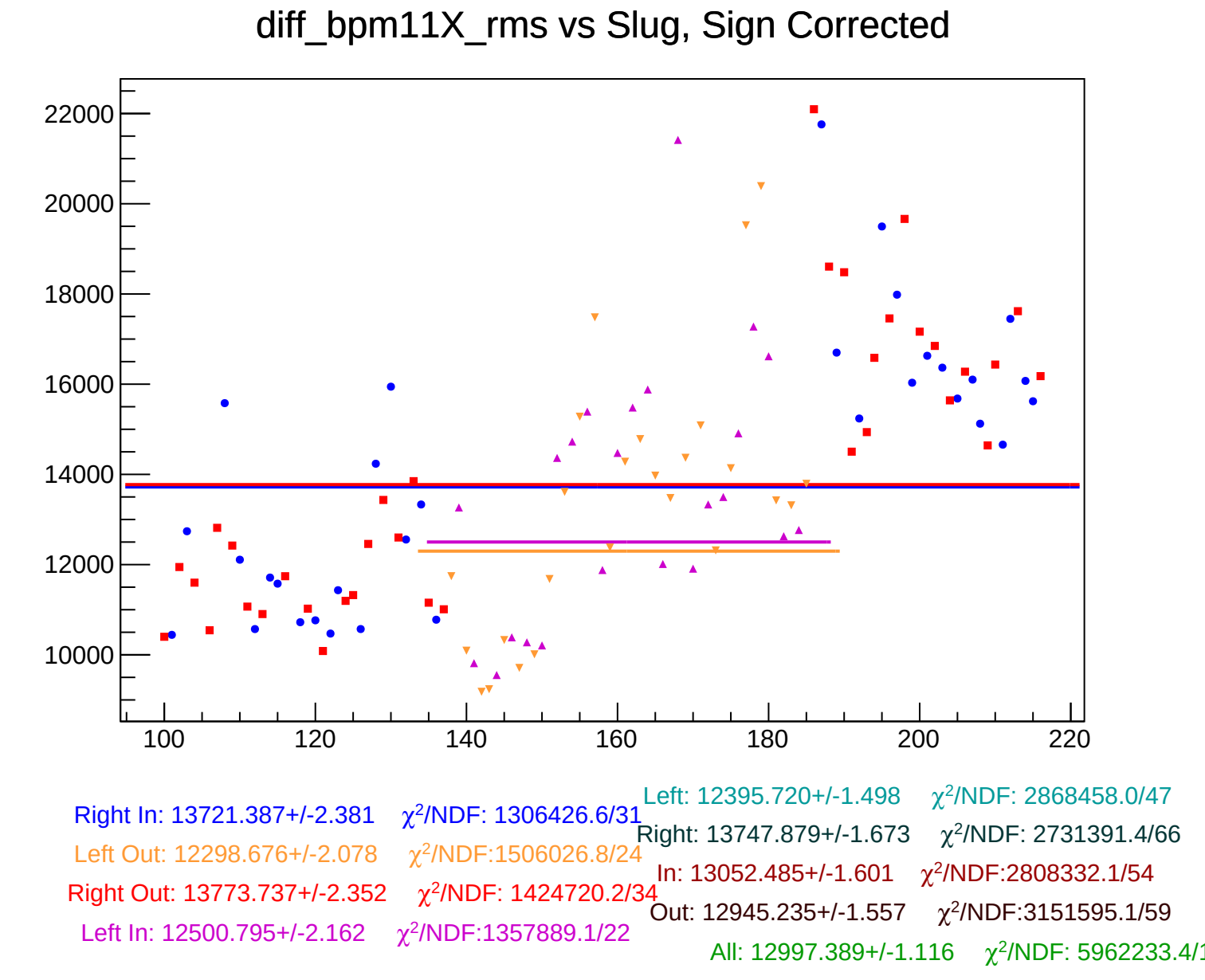
Left: -0.539+/-2.119 χ^2/NDF: 45.3/47

Right: -2.386+/-2.367 χ^2/NDF: 81.4/66

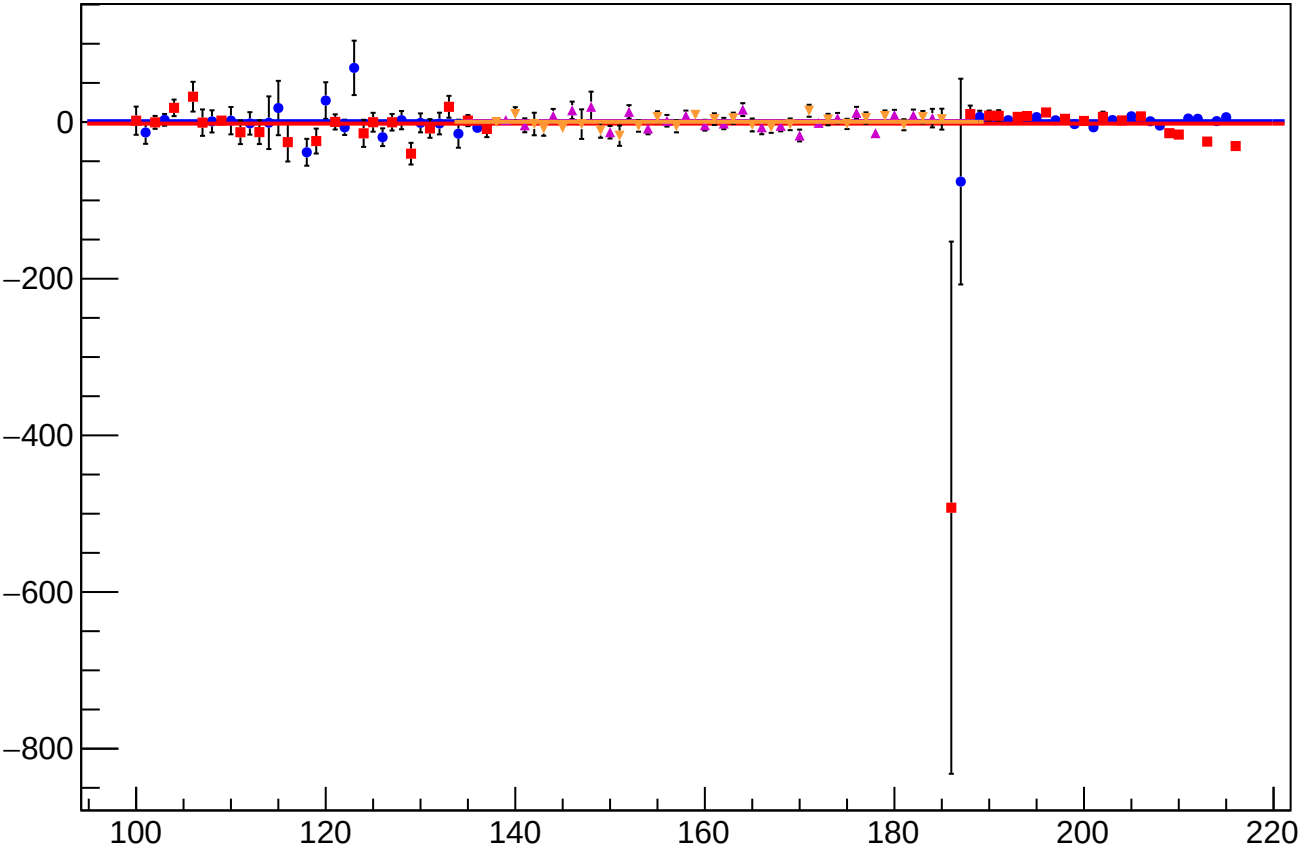
In: -0.815+/-2.264 χ^2/NDF:45.8/54

Out: -1.878+/-2.203 χ^2/NDF:81.1/59

All: -1.361+/-1.579 χ^2/NDF: 127.1/114


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13721.387+/-2.381 χ²/NDF: 1306426.6/31
Left Out: 12298.676+/-2.078 χ²/NDF:1506026.8/24
Right Out: 13773.737+/-2.352 χ²/NDF: 1424720.2/34
Left In: 12500.795+/-2.162 χ²/NDF:1357889.1/22
Left: 12395.720+/-1.498 χ²/NDF: 2868458.0/47
Right: 13747.879+/-1.673 χ²/NDF: 2731391.4/66
In: 13052.485+/-1.601 χ²/NDF:2808332.1/54
Out: 12945.235+/-1.557 χ²/NDF:3151595.1/59
All: 12997.389+/-1.116 χ²/NDF: 5962233.4/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 1.143+/-1.160 χ^2/NDF: 30.5/31

Left Out: 0.353+/-1.433 χ^2/NDF:19.1/24

Right Out: -1.983+/-1.168 χ^2/NDF: 122.5/34

Left In: 1.165+/-1.371 χ^2/NDF:33.6/22

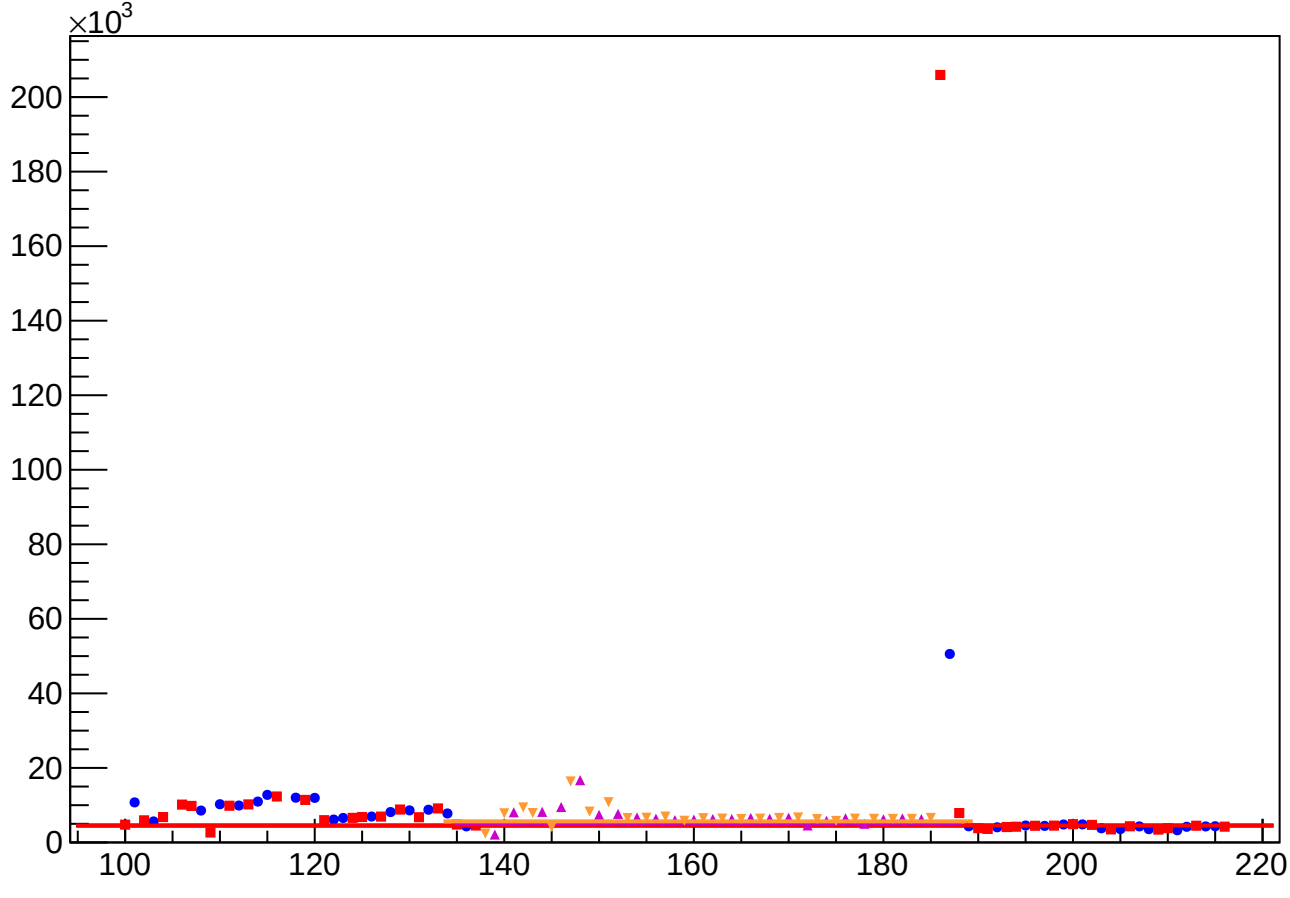
Left: 0.777+/-0.991 χ^2/NDF: 52.9/47

Right: -0.410+/-0.823 χ^2/NDF: 156.6/66

In: 1.152+/-0.886 χ^2/NDF:64.0/54

Out: -1.051+/-0.905 χ^2/NDF:143.3/59

All: 0.075+/-0.633 χ^2/NDF: 210.3/114



Right In: 4537.205+/-0.820 χ^2/NDF: 3444396.9/31

Left Out: 5659.441+/-1.014 χ^2/NDF:4128583.6/24

Right Out: 4540.883+/-0.826 χ^2/NDF: 3966381.9/34

Left In: 5137.772+/-0.970 χ^2/NDF:5495609.7/22

Left: 5387.078+/-0.701 χ^2/NDF: 9762498.7/47

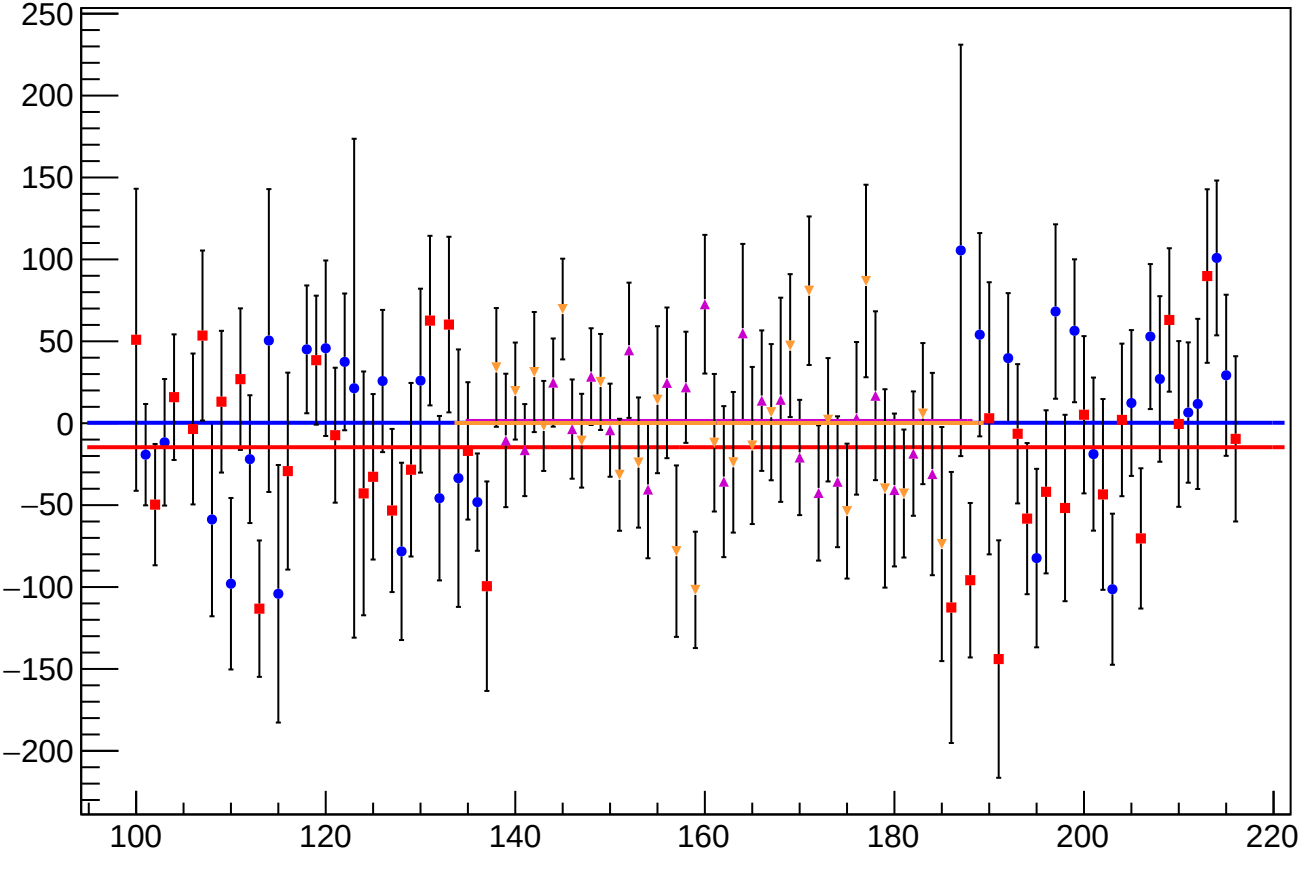
Right: 4539.032+/-0.582 χ^2/NDF: 7410788.8/66

In: 4787.774+/-0.626 χ^2/NDF:9163538.1/54

Out: 4987.208+/-0.640 χ^2/NDF:8826902.8/59

All: 4885.305+/-0.448 χ^2/NDF: 18040018.9/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: 0.274+/-8.423 χ^2/NDF: 36.4/31

Left Out: 0.143+/-7.683 χ^2/NDF:31.3/24

Right Out: -14.647+/-8.316 χ^2/NDF: 38.2/34

Left In: 1.374+/-7.990 χ^2/NDF:13.3/22

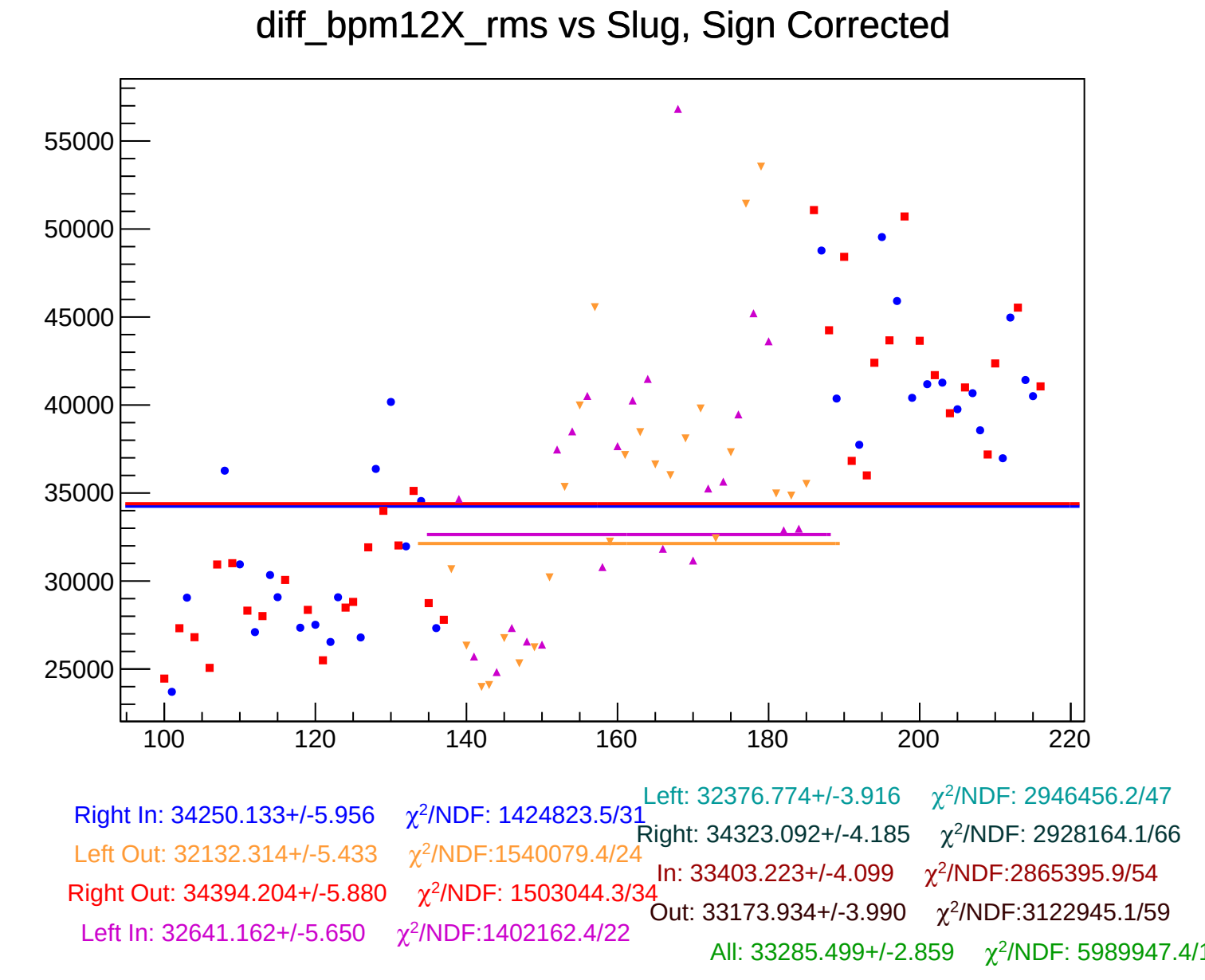
Left: 0.734+/-5.538 χ^2/NDF: 44.6/47

Right: -7.282+/-5.918 χ^2/NDF: 76.1/66

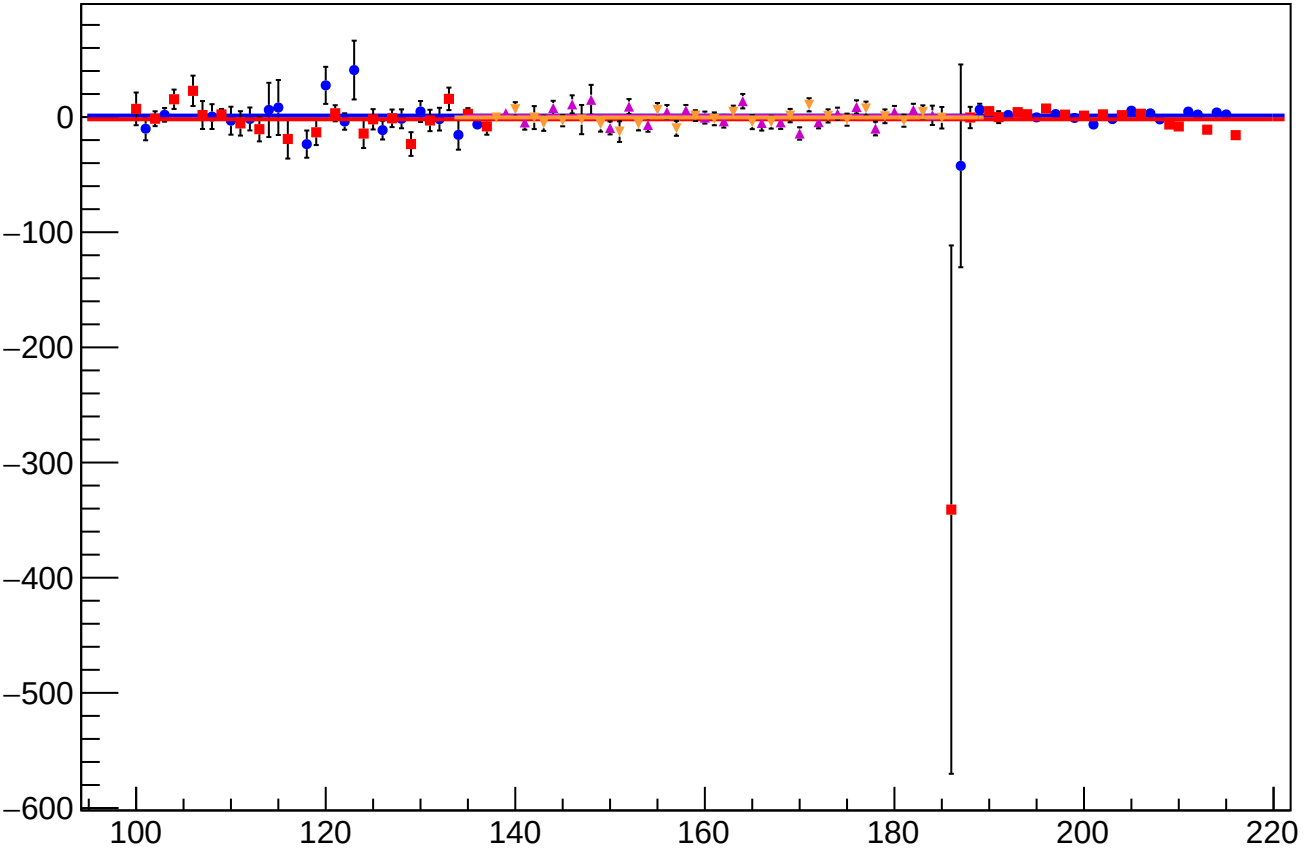
In: 0.853+/-5.797 χ^2/NDF:49.7/54

Out: -6.668+/-5.643 χ^2/NDF:71.2/59

All: -3.008+/-4.044 χ^2/NDF: 121.7/114


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34250.133+/-5.956 χ²/NDF: 1424823.5/31
Left Out: 32132.314+/-5.433 χ²/NDF:1540079.4/24
Right Out: 34394.204+/-5.880 χ²/NDF: 1503044.3/34
Left In: 32641.162+/-5.650 χ²/NDF:1402162.4/22
Left: 32376.774+/-3.916 χ²/NDF: 2946456.2/47
Right: 34323.092+/-4.185 χ²/NDF: 2928164.1/66
In: 33403.223+/-4.099 χ²/NDF:2865395.9/54
Out: 33173.934+/-3.990 χ²/NDF:3122945.1/59
All: 33285.499+/-2.859 χ²/NDF: 5989947.4/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.267+/-0.674 χ^2/NDF: 40.2/31

Left Out: -0.312+/-1.172 χ^2/NDF:17.6/24

Right Out: -1.945+/-0.717 χ^2/NDF: 103.2/34

Left In: 0.908+/-1.142 χ^2/NDF:36.2/22

Left: 0.313+/-0.818 χ^2/NDF: 54.4/47

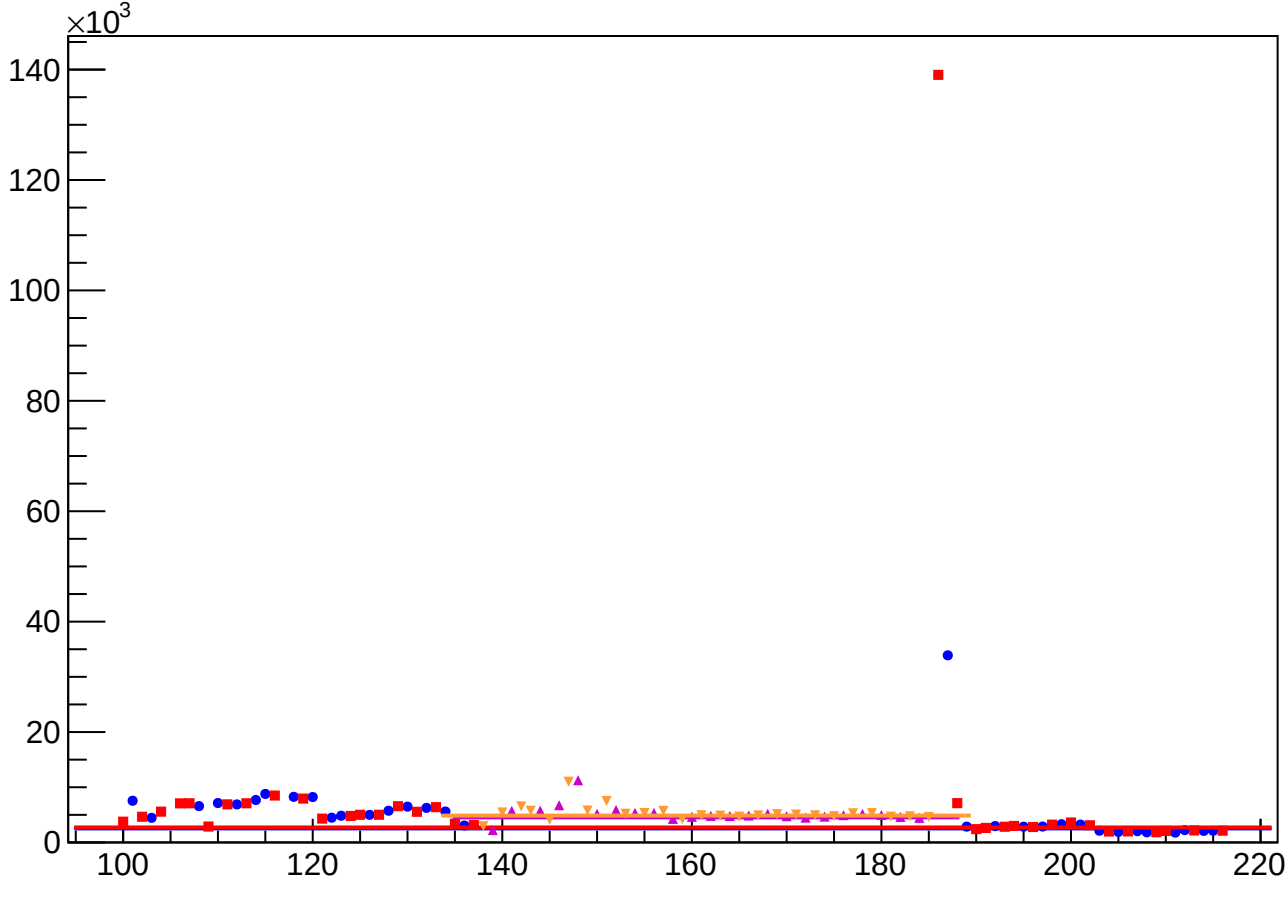
Right: -0.241+/-0.491 χ^2/NDF: 154.1/66

In: 1.174+/-0.581 χ^2/NDF:76.5/54

Out: -1.501+/-0.611 χ^2/NDF:122.3/59

All: -0.094+/-0.421 χ^2/NDF: 208.8/114

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2548.121+/-0.477 χ^2/NDF: 5504705.8/31

Left Out: 4868.567+/-0.829 χ^2/NDF:1511151.0/24

Right Out: 2713.144+/-0.507 χ^2/NDF: 5935162.9/34

Left In: 4544.337+/-0.808 χ^2/NDF:2634314.4/22

Left: 4702.320+/-0.578 χ^2/NDF: 4223993.0/47

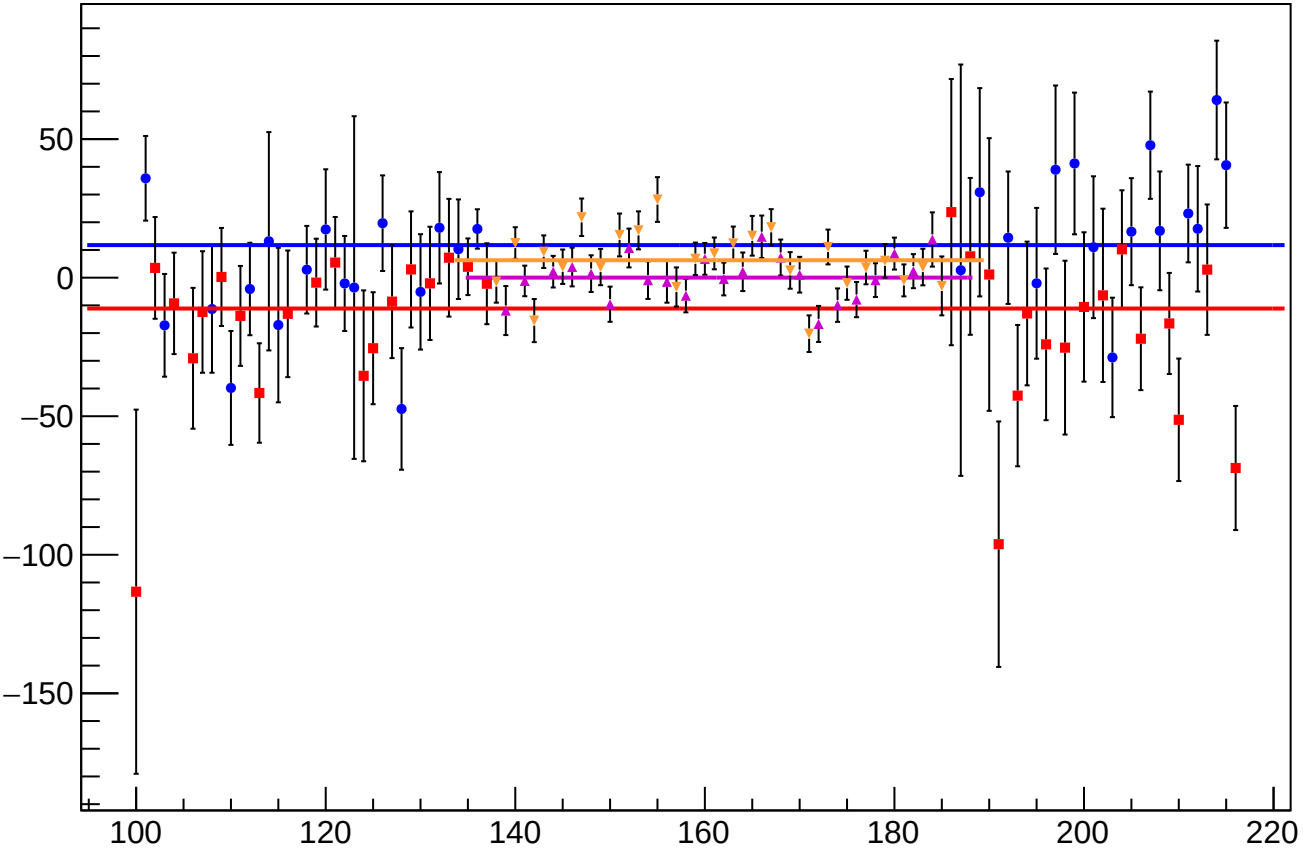
Right: 2625.619+/-0.347 χ^2/NDF: 11496127.4/66

In: 3064.007+/-0.411 χ^2/NDF:12669270.4/54

Out: 3299.870+/-0.432 χ^2/NDF:12372197.5/59

All: 3175.874+/-0.298 χ^2/NDF: 25197989.9/1

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 11.751+/-3.392 χ^2/NDF: 42.1/31

Left Out: 6.296+/-1.310 χ^2/NDF:56.5/24

Right Out: -11.132+/-3.532 χ^2/NDF: 31.7/34

Left In: 0.020+/-1.353 χ^2/NDF:29.9/22

Left: 3.259+/-0.941 χ^2/NDF: 97.5/47

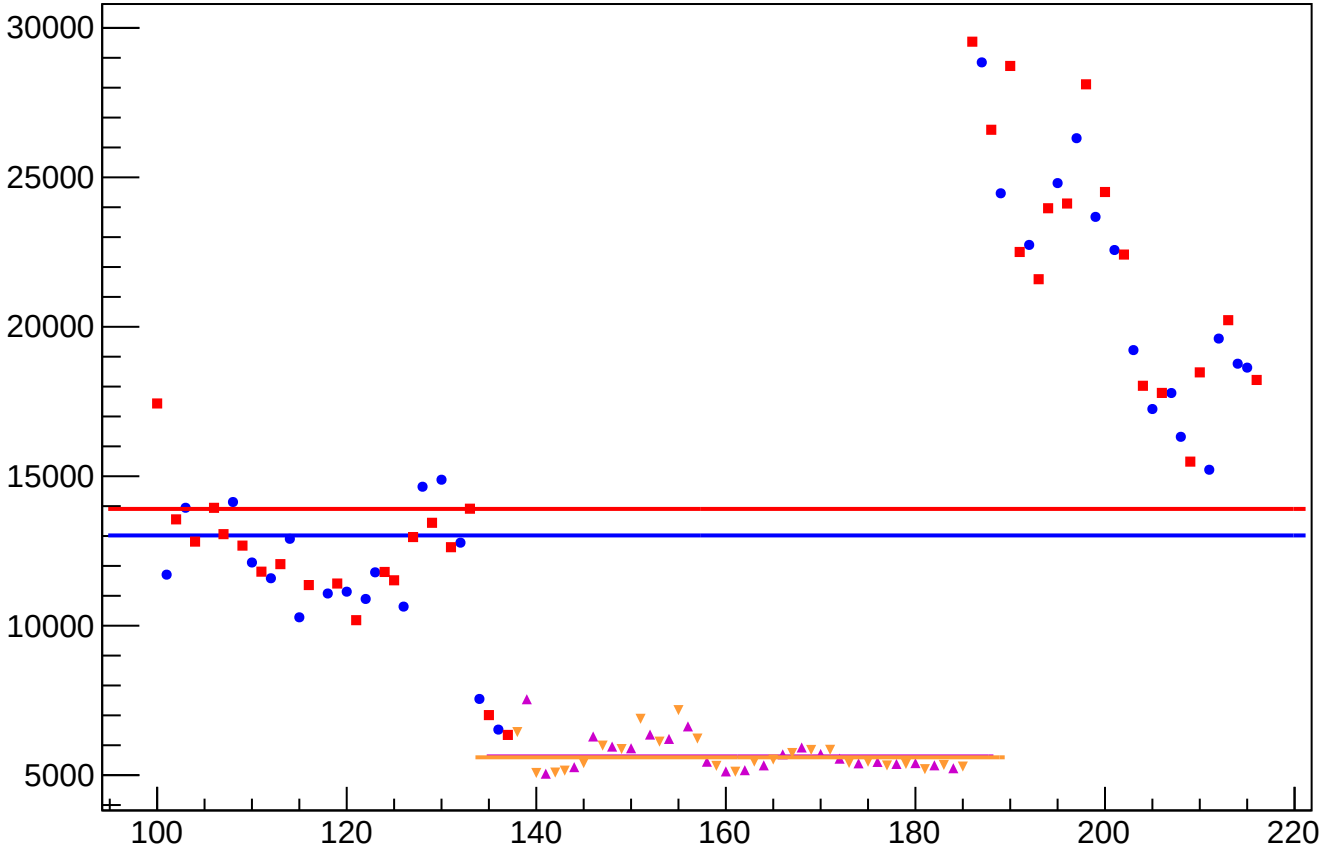
Right: 0.773+/-2.446 χ^2/NDF: 95.7/66

In: 1.631+/-1.257 χ^2/NDF:82.3/54

Out: 4.187+/-1.228 χ^2/NDF:109.7/59

All: 2.938+/-0.878 χ^2/NDF: 194.1/114

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 13019.624+/-2.398 χ^2/NDF: 4946013.6/31

Left Out: 5596.370+/-0.926 χ^2/NDF:283998.1/24

Right Out: 13906.969+/-2.497 χ^2/NDF: 4729184.4/34

Left In: 5627.283+/-0.957 χ^2/NDF:279318.7/22

Left: 5611.329+/-0.666 χ^2/NDF: 563855.6/47

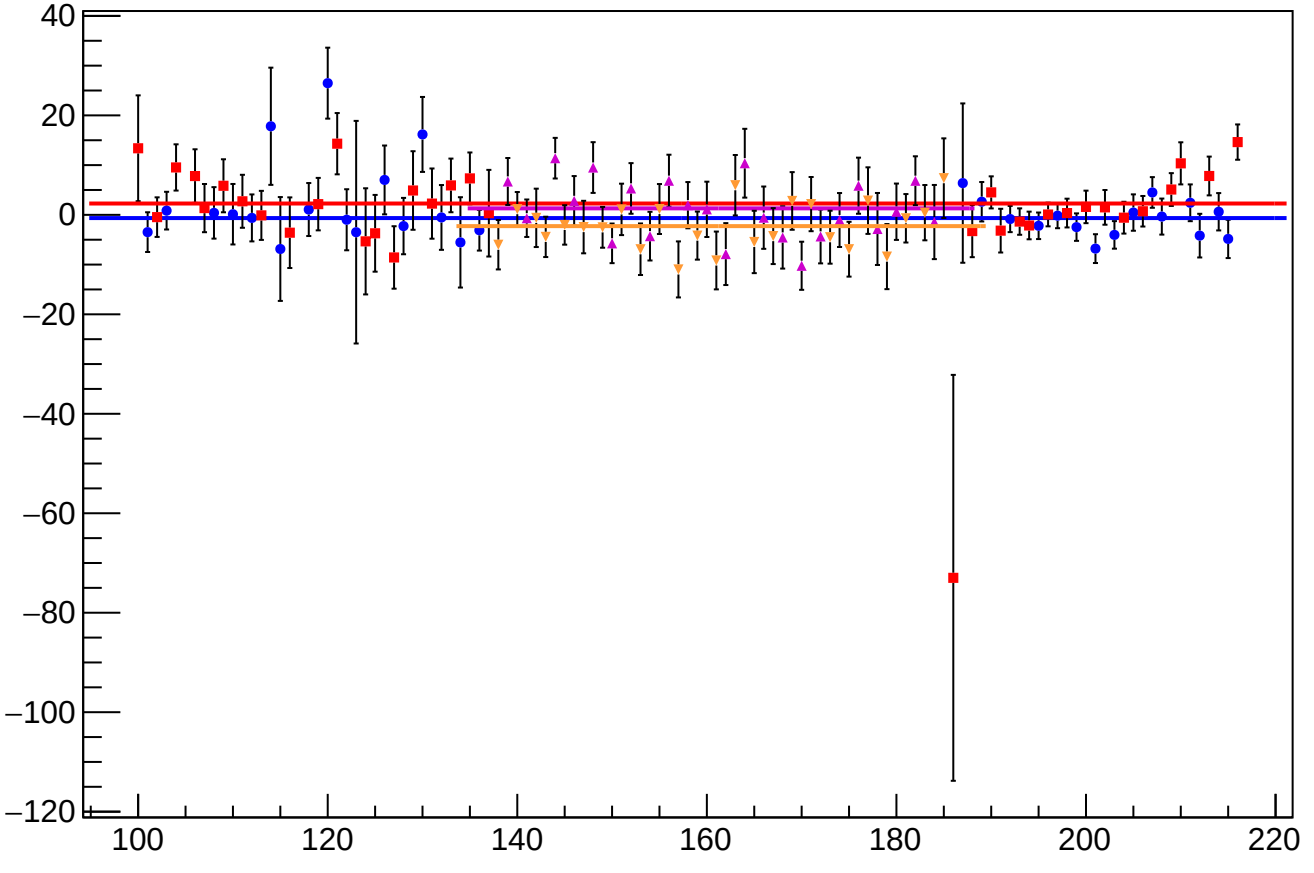
Right: 13445.336+/-1.730 χ^2/NDF: 9740877.4/66

In: 6642.309+/-0.889 χ^2/NDF:13422061.8/54

Out: 6601.703+/-0.869 χ^2/NDF:14747564.5/59

All: 6621.542+/-0.621 χ^2/NDF: 28170694.0/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.648+/-0.723 χ^2/NDF: 38.2/31

Left Out: -2.268+/-1.029 χ^2/NDF:15.4/24

Right Out: 2.278+/-0.710 χ^2/NDF: 47.8/34

Left In: 1.305+/-1.077 χ^2/NDF:30.8/22

Left: -0.562+/-0.744 χ^2/NDF: 51.9/47

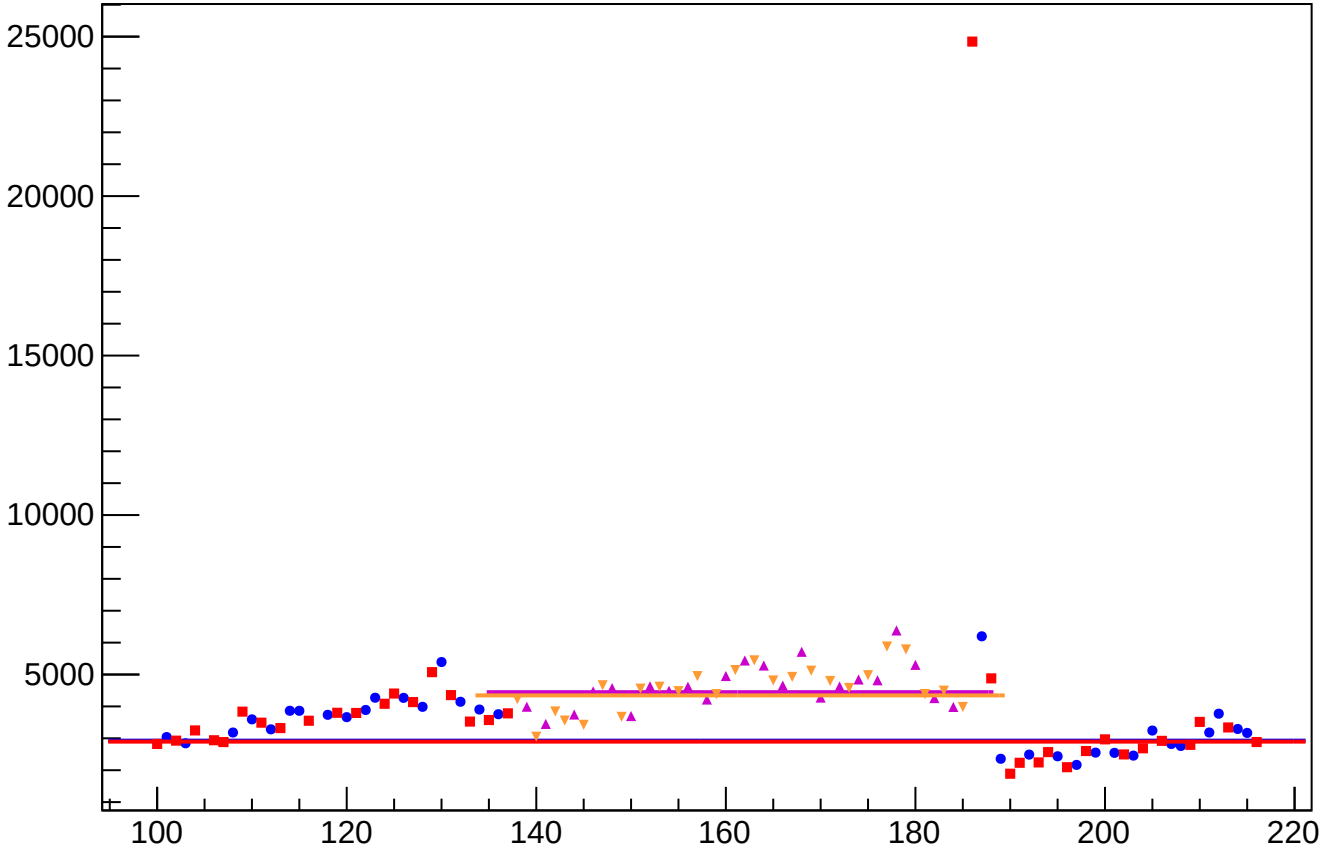
Right: 0.841+/-0.506 χ^2/NDF: 94.4/66

In: -0.042+/-0.600 χ^2/NDF:71.3/54

Out: 0.814+/-0.584 χ^2/NDF:76.4/59

All: 0.397+/-0.419 χ^2/NDF: 148.7/114

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2926.693+/-0.511 χ^2/NDF: 1419685.4/31

Left Out: 4345.381+/-0.728 χ^2/NDF:1000636.1/24

Right Out: 2896.060+/-0.502 χ^2/NDF: 2338445.3/34

Left In: 4446.181+/-0.762 χ^2/NDF:702797.6/22

Left: 4393.504+/-0.526 χ^2/NDF: 1712588.4/47

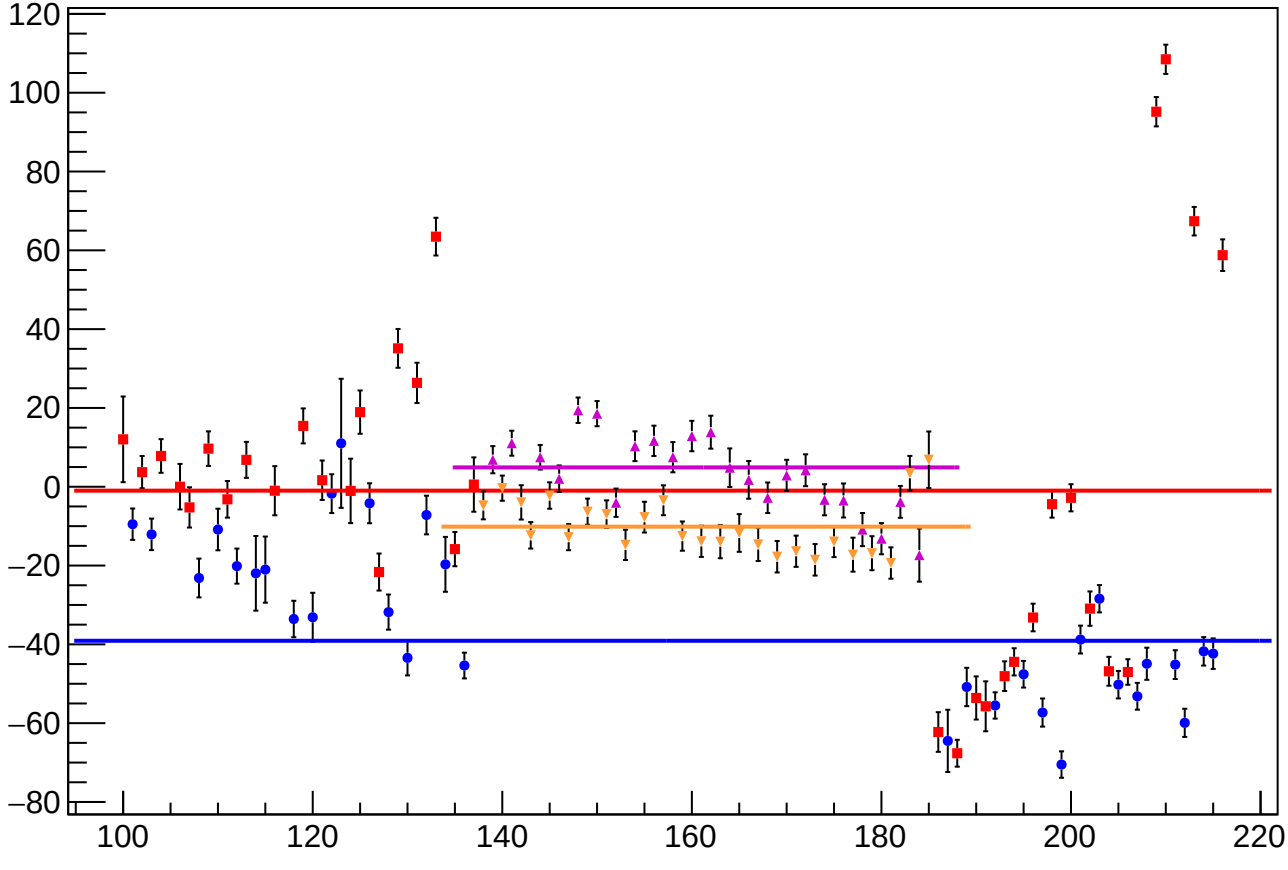
Right: 2911.101+/-0.358 χ^2/NDF: 3759960.6/66

In: 3398.281+/-0.424 χ^2/NDF:4867673.0/54

Out: 3362.917+/-0.413 χ^2/NDF:6026351.6/59

All: 3380.129+/-0.296 χ^2/NDF: 10897590.5/1

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -39.089+/-0.749 χ^2/NDF: 576.9/31

Left Out: -10.125+/-0.775 χ^2/NDF:67.9/24

Right Out: -0.987+/-0.737 χ^2/NDF: 3955.7/34

Left In: 4.911+/-0.797 χ^2/NDF:127.9/22

Left: -2.814+/-0.556 χ^2/NDF: 378.7/47

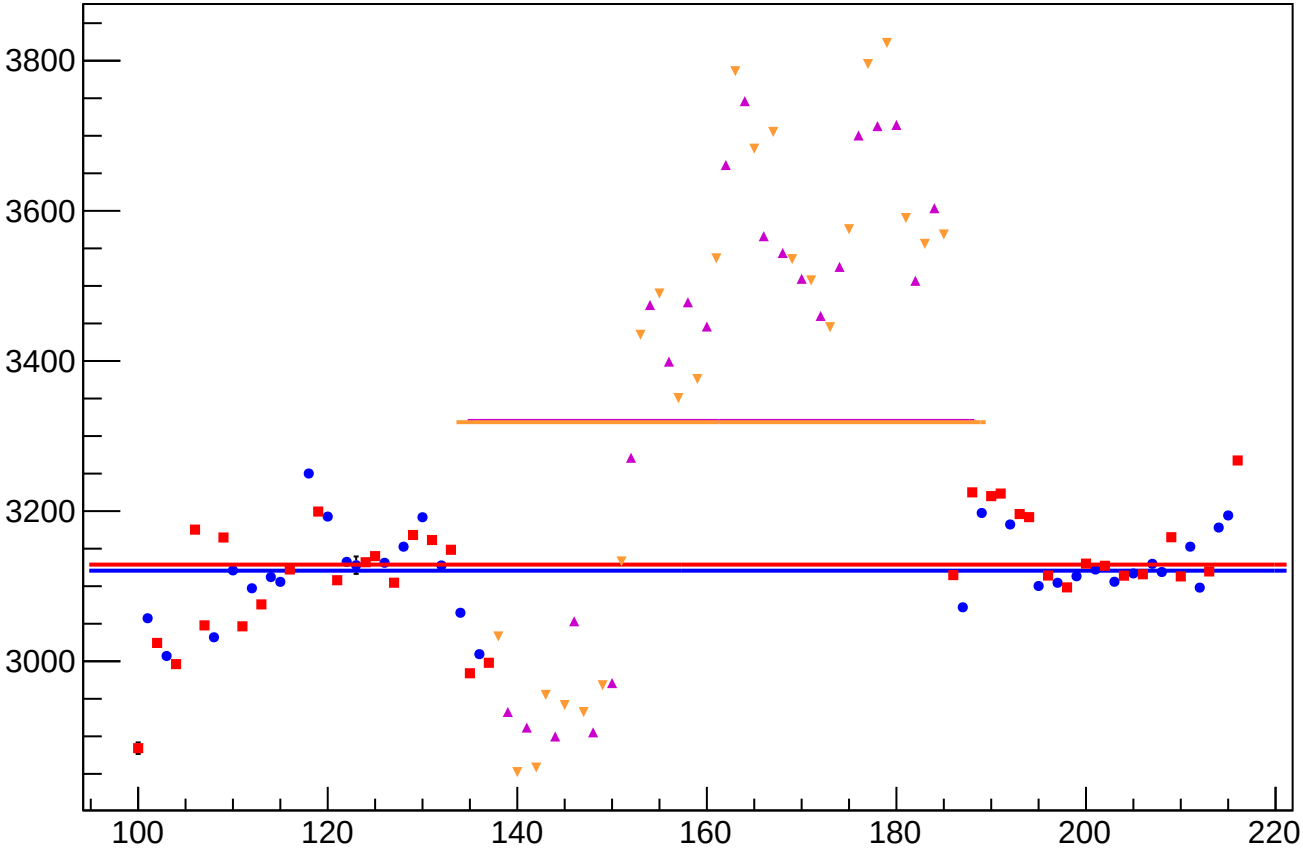
Right: -19.743+/-0.525 χ^2/NDF: 5846.6/66

In: -18.458+/-0.546 χ^2/NDF:2323.1/54

Out: -5.326+/-0.534 χ^2/NDF:4096.5/59

All: -11.753+/-0.382 χ^2/NDF: 6715.1/114

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3120.667+/-0.530 χ^2/NDF: 10644.2/31

Left Out: 3318.506+/-0.548 χ^2/NDF:337694.2/24

Right Out: 3128.760+/-0.521 χ^2/NDF: 16496.1/34

Left In: 3320.170+/-0.564 χ^2/NDF:287634.9/22

Left: 3319.315+/-0.393 χ^2/NDF: 625333.6/47

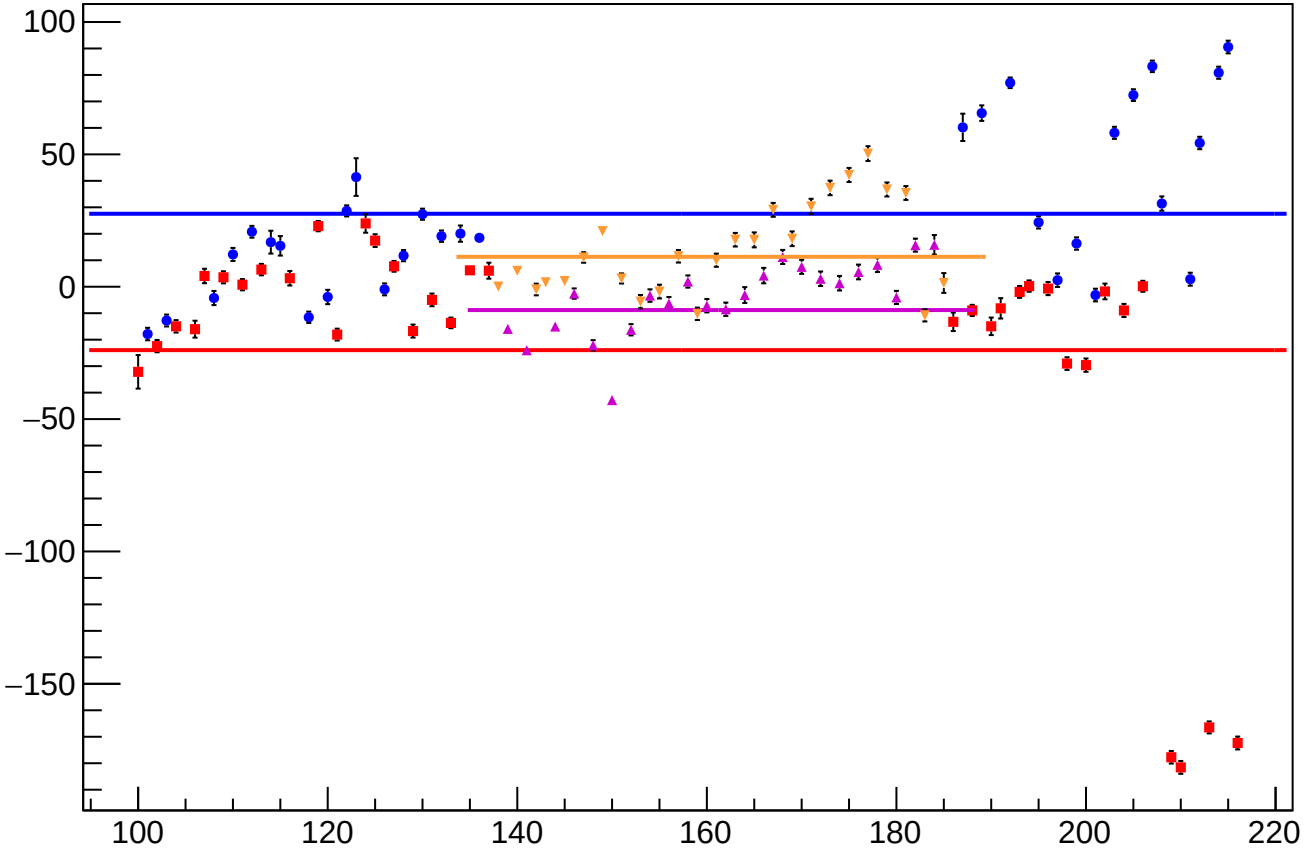
Right: 3124.776+/-0.372 χ^2/NDF: 27258.9/66

In: 3214.213+/-0.386 χ^2/NDF:364814.3/54

Out: 3218.873+/-0.378 χ^2/NDF:417067.1/59

All: 3216.592+/-0.270 χ^2/NDF: 781955.8/114

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 27.564+/-0.419 χ^2/NDF: 5463.9/31

Left Out: 11.305+/-0.454 χ^2/NDF:1144.3/24

Right Out: -23.952+/-0.411 χ^2/NDF: 19193.8/34

Left In: -8.815+/-0.475 χ^2/NDF:942.2/22

Left: 1.711+/-0.328 χ^2/NDF: 3023.6/47

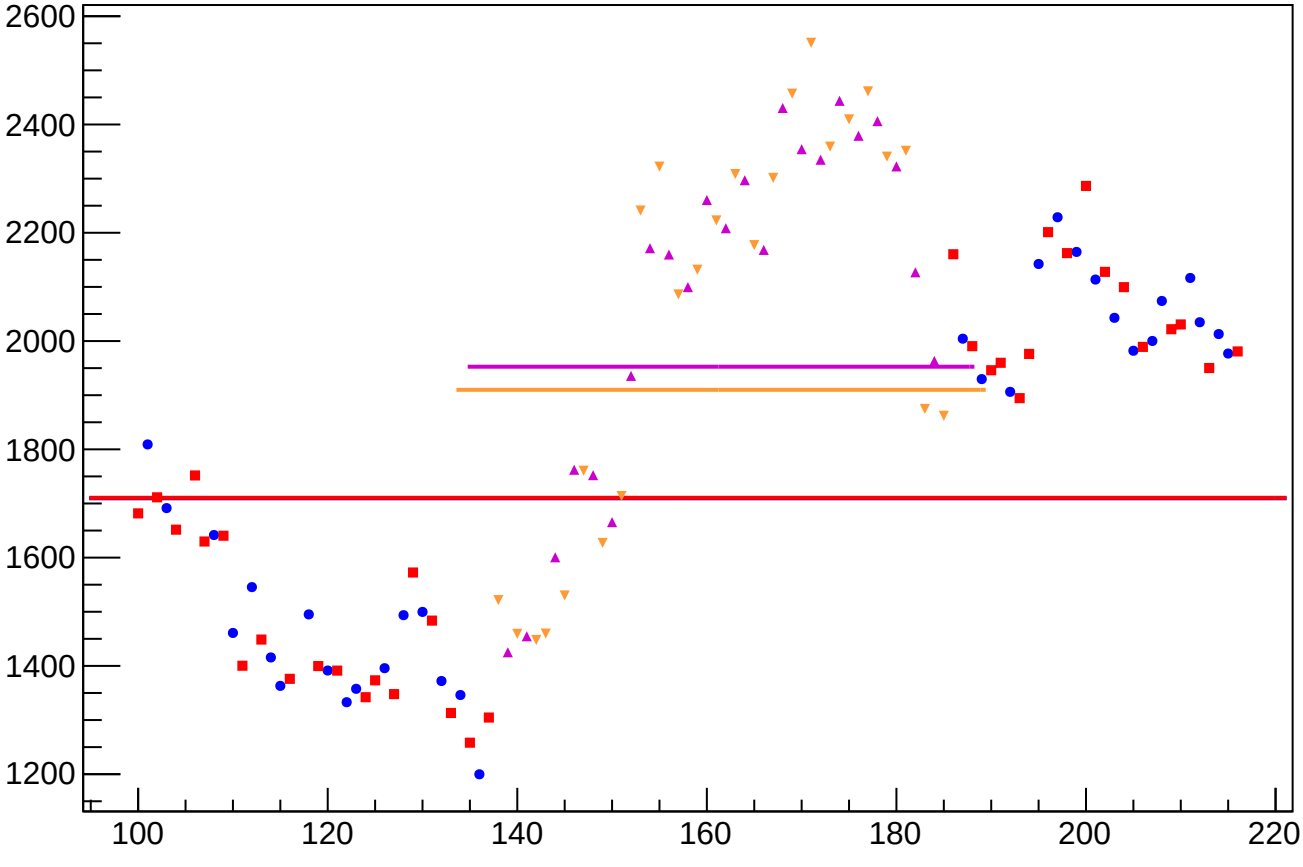
Right: 1.318+/-0.293 χ^2/NDF: 32374.8/66

In: 11.676+/-0.314 χ^2/NDF:9704.9/54

Out: -8.078+/-0.305 χ^2/NDF:23655.8/59

All: 1.492+/-0.219 χ^2/NDF: 35399.2/114

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1709.584+/-0.296 χ^2/NDF: 1257917.4/31

Left Out: 1909.963+/-0.321 χ^2/NDF:1399467.7/24

Right Out: 1710.504+/-0.290 χ^2/NDF: 1208419.9/34

Left In: 1952.637+/-0.336 χ^2/NDF:1065333.8/22

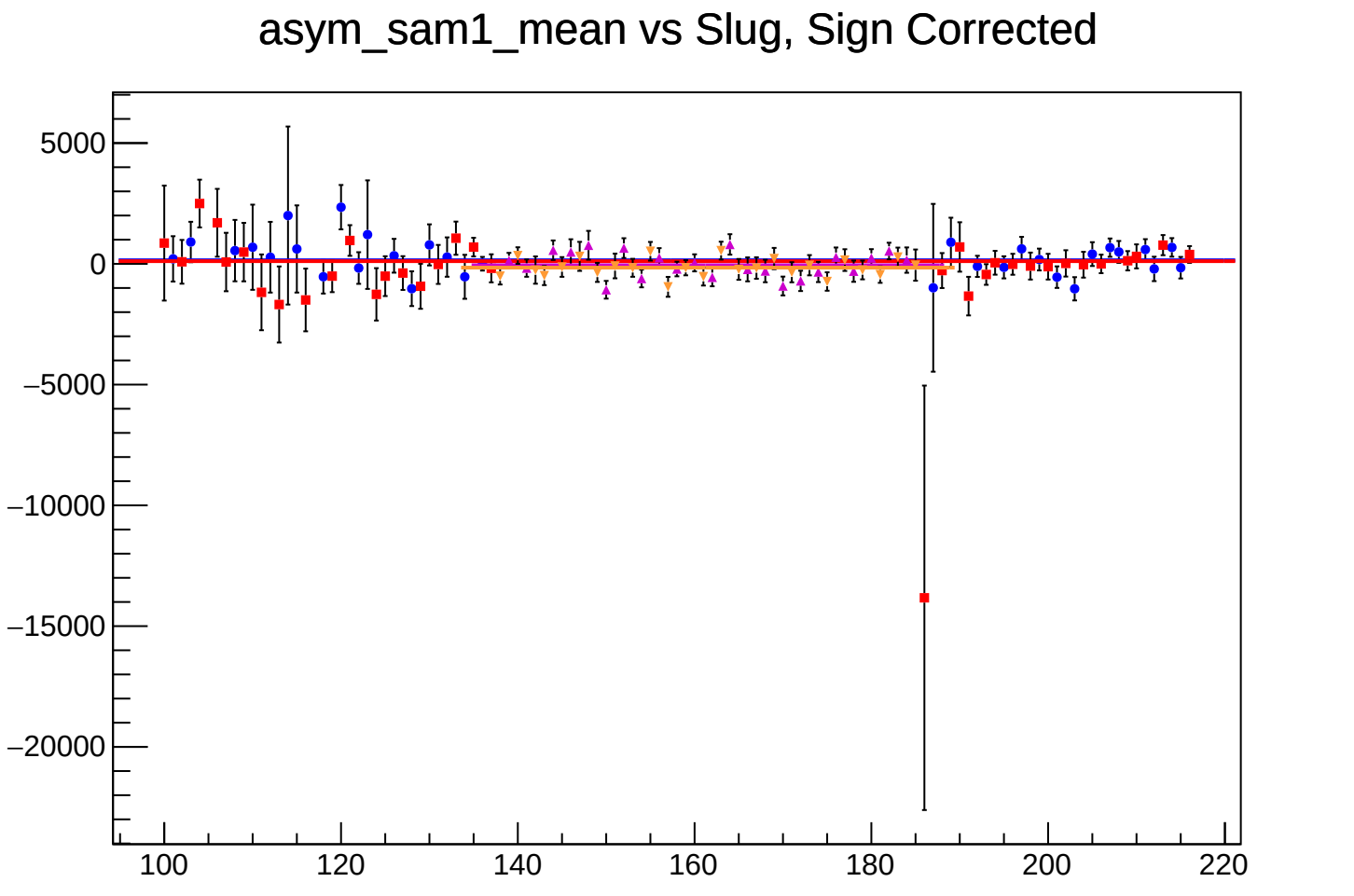
Left: 1930.313+/-0.232 χ^2/NDF: 2473233.3/47

Right: 1710.053+/-0.207 χ^2/NDF: 2466342.2/66

In: 1815.732+/-0.222 χ^2/NDF:2617756.8/54

Out: 1800.309+/-0.215 χ^2/NDF:2820253.5/59

All: 1807.781+/-0.155 χ^2/NDF: 5440495.3/11



Right In: 147.187+/-101.493 χ^2/NDF: 30.1/31

Left Out: -157.242+/-80.796 χ^2/NDF:22.0/24

Right Out: 110.578+/-103.452 χ^2/NDF: 33.9/34

Left In: -58.934+/-82.584 χ^2/NDF:38.5/22

Left: -109.164+/-57.753 χ^2/NDF: 61.3/47

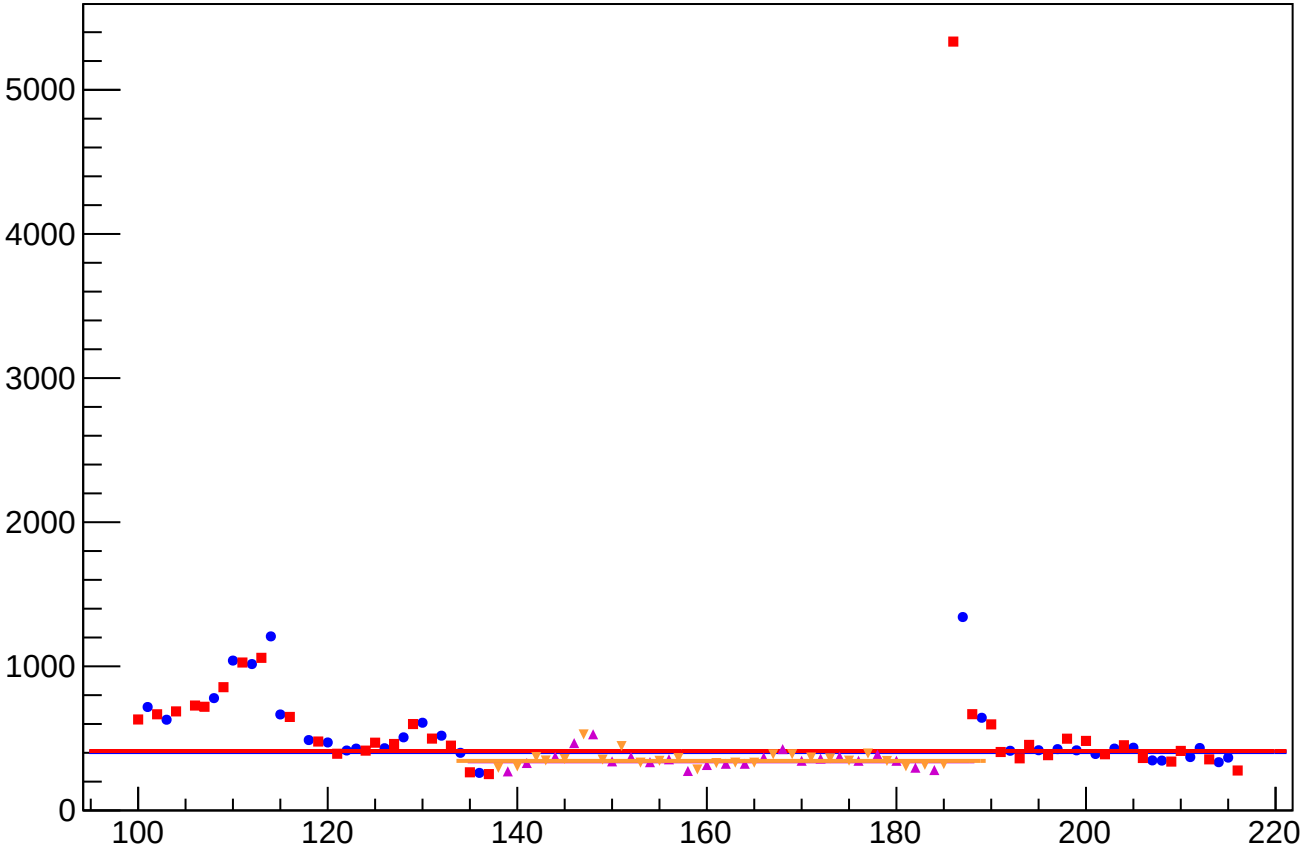
Right: 129.232+/-72.449 χ^2/NDF: 64.1/66

In: 23.175+/-64.057 χ^2/NDF:71.1/54

Out: -55.774+/-63.677 χ^2/NDF:60.1/59

All: -16.535+/-45.160 χ^2/NDF: 132.0/114

asym_sam1_rms vs Slug, Sign Corrected



Right In: 405.079+/-0.072 χ^2/NDF: 2498783.2/31

Left Out: 343.807+/-0.057 χ^2/NDF:539431.0/24

Right Out: 412.500+/-0.073 χ^2/NDF: 3664647.6/34

Left In: 340.876+/-0.058 χ^2/NDF:724672.0/22

Left: 342.374+/-0.041 χ^2/NDF: 1265389.7/47

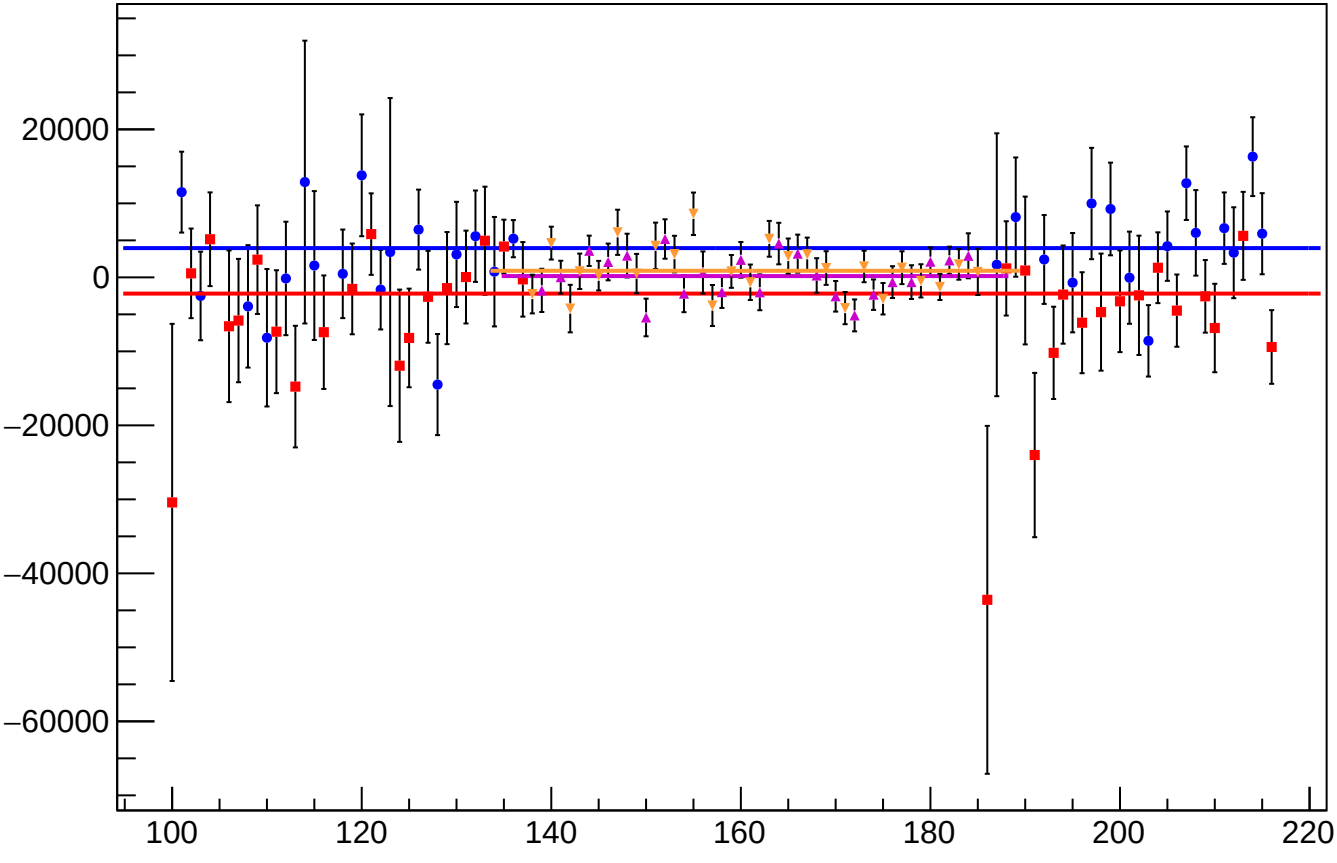
Right: 408.719+/-0.051 χ^2/NDF: 6168675.0/66

In: 366.452+/-0.045 χ^2/NDF:3704971.0/54

Out: 369.832+/-0.045 χ^2/NDF:4751811.7/59

All: 368.152+/-0.032 χ^2/NDF: 8459584.7/114

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3954.723+/-1048.636 χ^2/NDF: 35.5/31

Left Out: 890.395+/-473.262 χ^2/NDF:38.0/24

Right Out: -2192.960+/-1099.004 χ^2/NDF: 29.7/34

Left In: 172.391+/-488.067 χ^2/NDF:33.2/22

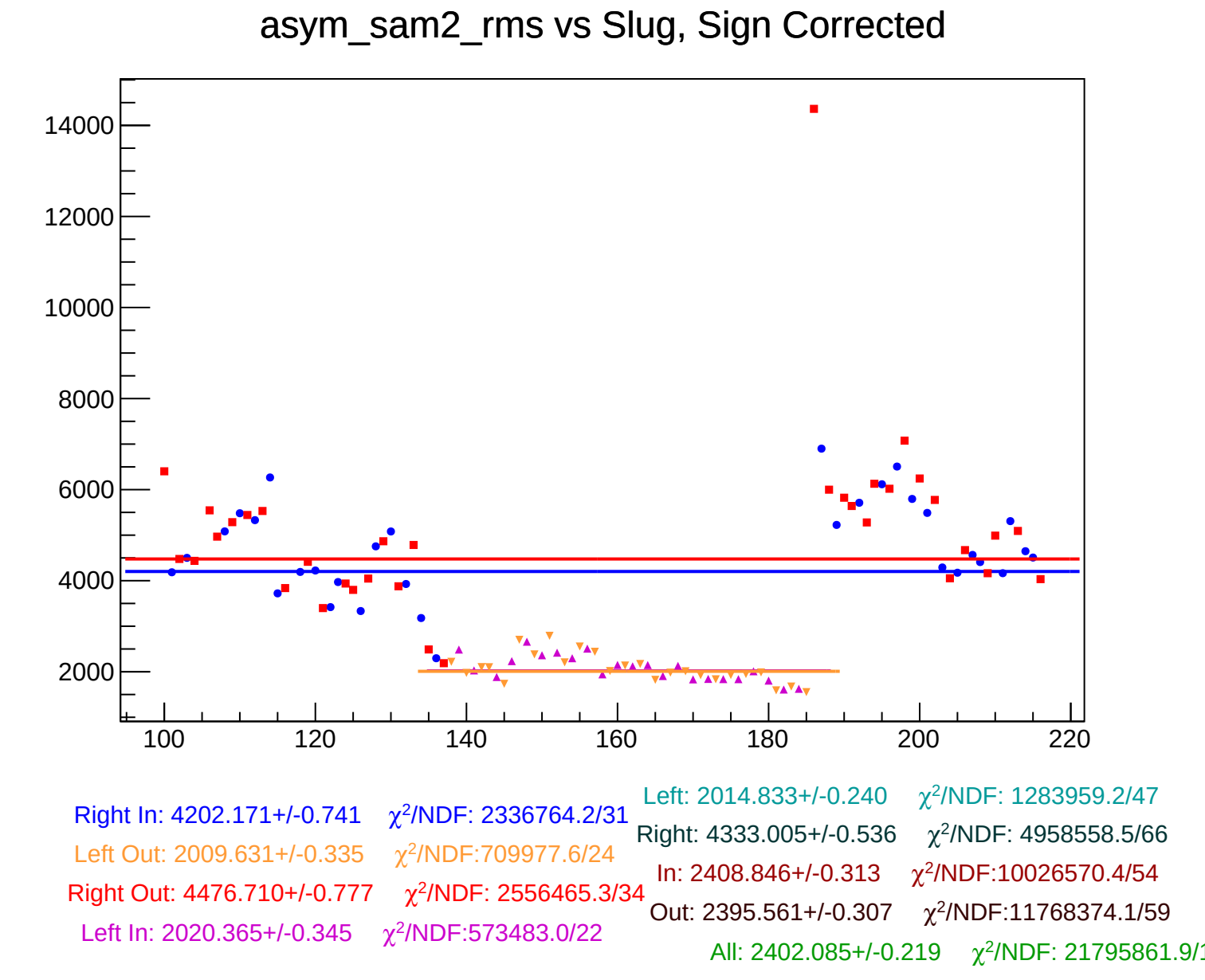
Left: 542.448+/-339.760 χ^2/NDF: 72.3/47

Right: 1024.982+/-758.679 χ^2/NDF: 81.6/66

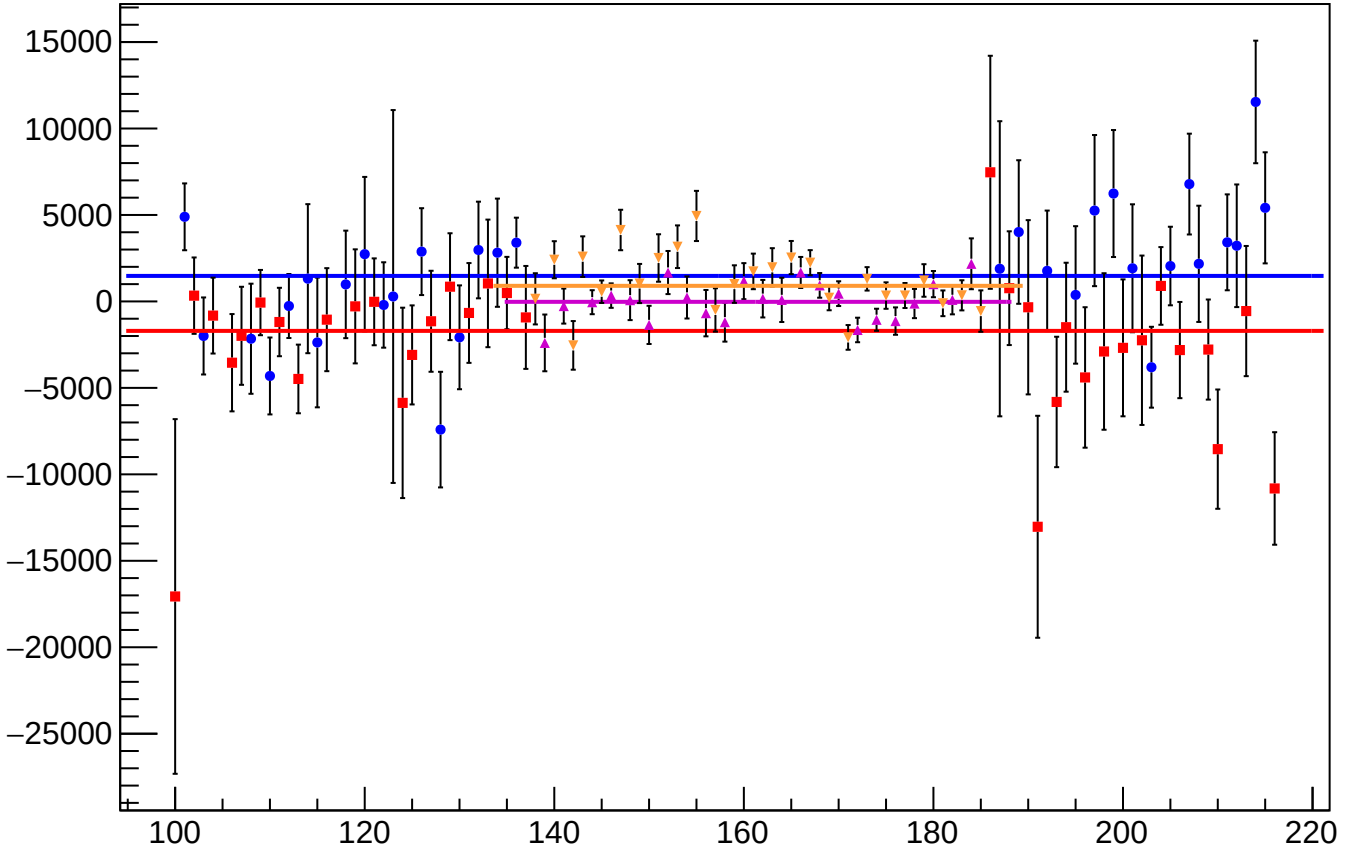
In: 845.852+/-442.488 χ^2/NDF:79.4/54

Out: 408.060+/-434.672 χ^2/NDF:74.3/59

All: 623.056+/-310.086 χ^2/NDF: 154.2/114


asym_sam2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4202.171+/-0.741 χ²/NDF: 2336764.2/31
Left Out: 2009.631+/-0.335 χ²/NDF:709977.6/24
Right Out: 4476.710+/-0.777 χ²/NDF: 2556465.3/34
Left In: 2020.365+/-0.345 χ²/NDF:573483.0/22
Left: 2014.833+/-0.240 χ²/NDF: 1283959.2/47
Right: 4333.005+/-0.536 χ²/NDF: 4958558.5/66
In: 2408.846+/-0.313 χ²/NDF:10026570.4/54
Out: 2395.561+/-0.307 χ²/NDF:11768374.1/59
All: 2402.085+/-0.219 χ²/NDF: 21795861.9/

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1475.629+/-502.119 χ^2/NDF: 48.9/31

Left Out: 902.091+/-185.850 χ^2/NDF:63.5/24

Right Out: -1703.807+/-501.946 χ^2/NDF: 31.4/34

Left In: -23.529+/-188.137 χ^2/NDF:28.2/22

Left: 444.940+/-132.217 χ^2/NDF: 104.0/47

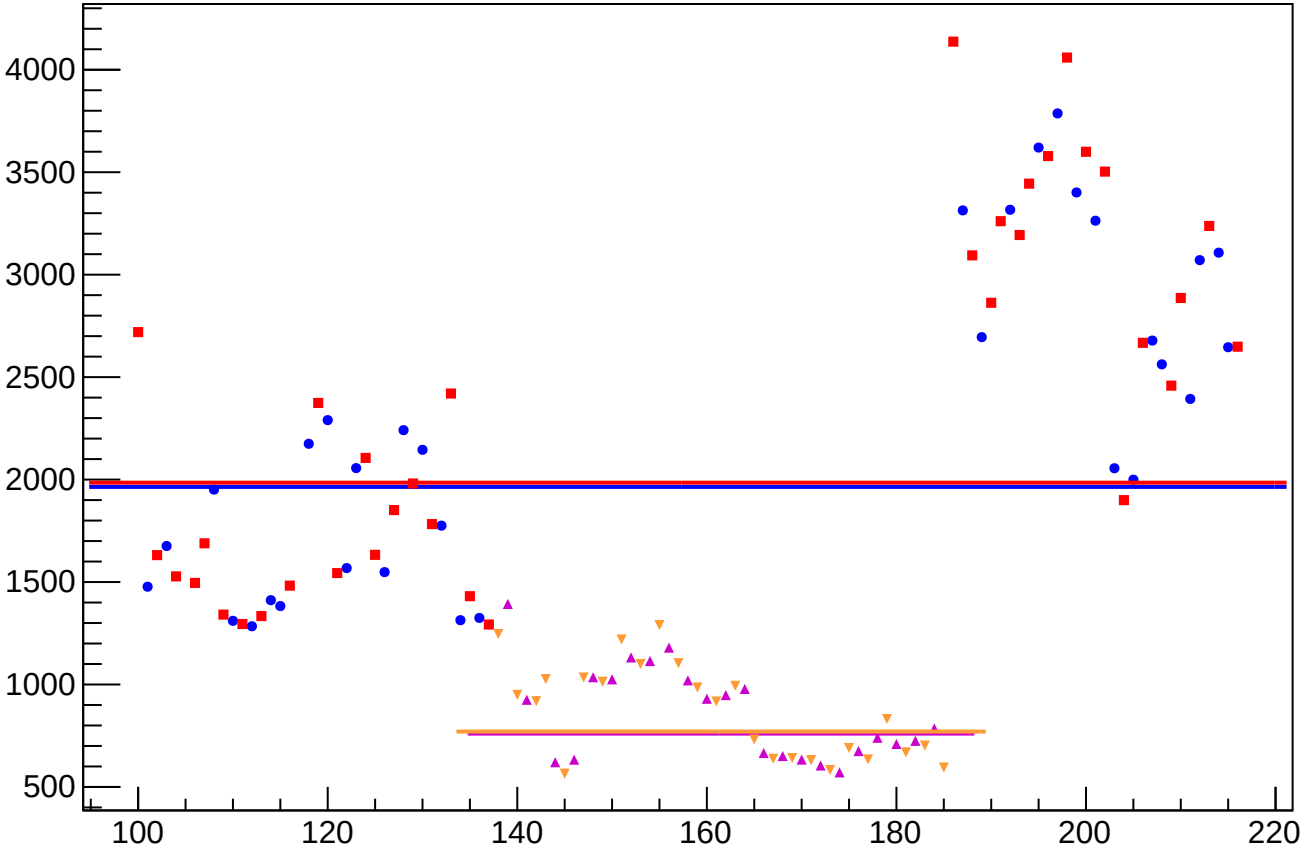
Right: -114.638+/-354.990 χ^2/NDF: 100.4/66

In: 161.027+/-176.176 χ^2/NDF:84.9/54

Out: 587.914+/-174.287 χ^2/NDF:118.6/59

All: 376.772+/-123.902 χ^2/NDF: 206.5/114

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1964.290+/-0.355 χ^2/NDF: 3706868.1/31

Left Out: 770.320+/-0.131 χ^2/NDF:2287655.1/24

Right Out: 1984.985+/-0.355 χ^2/NDF: 4343928.2/34

Left In: 760.352+/-0.133 χ^2/NDF:1986749.8/22

Left: 765.397+/-0.093 χ^2/NDF: 4277246.5/47

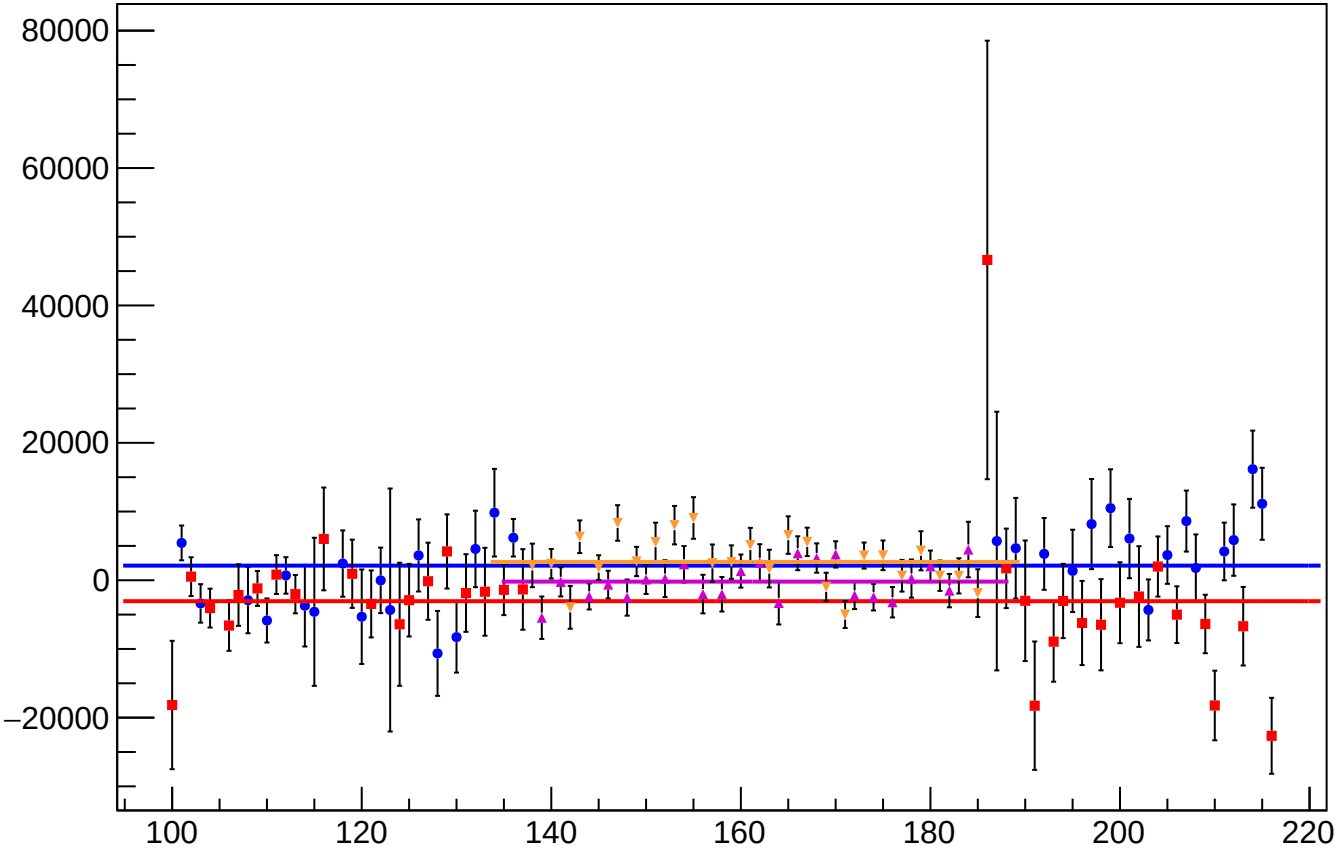
Right: 1974.641+/-0.251 χ^2/NDF: 8052495.6/66

In: 908.564+/-0.125 χ^2/NDF:15776214.0/54

Out: 916.765+/-0.123 χ^2/NDF:16931514.8/59

All: 912.709+/-0.088 χ^2/NDF: 32709918.6/11

asym_sam4_mean vs Slug, Sign Corrected



Right In: 2127.486+/-806.761 χ^2/NDF: 46.4/31

Left Out: 2665.587+/-479.773 χ^2/NDF:49.2/24

Right Out: -3048.602+/-778.310 χ^2/NDF: 44.0/34

Left In: -199.371+/-492.082 χ^2/NDF:25.8/22

Left: 1269.388+/-343.520 χ^2/NDF: 92.4/47

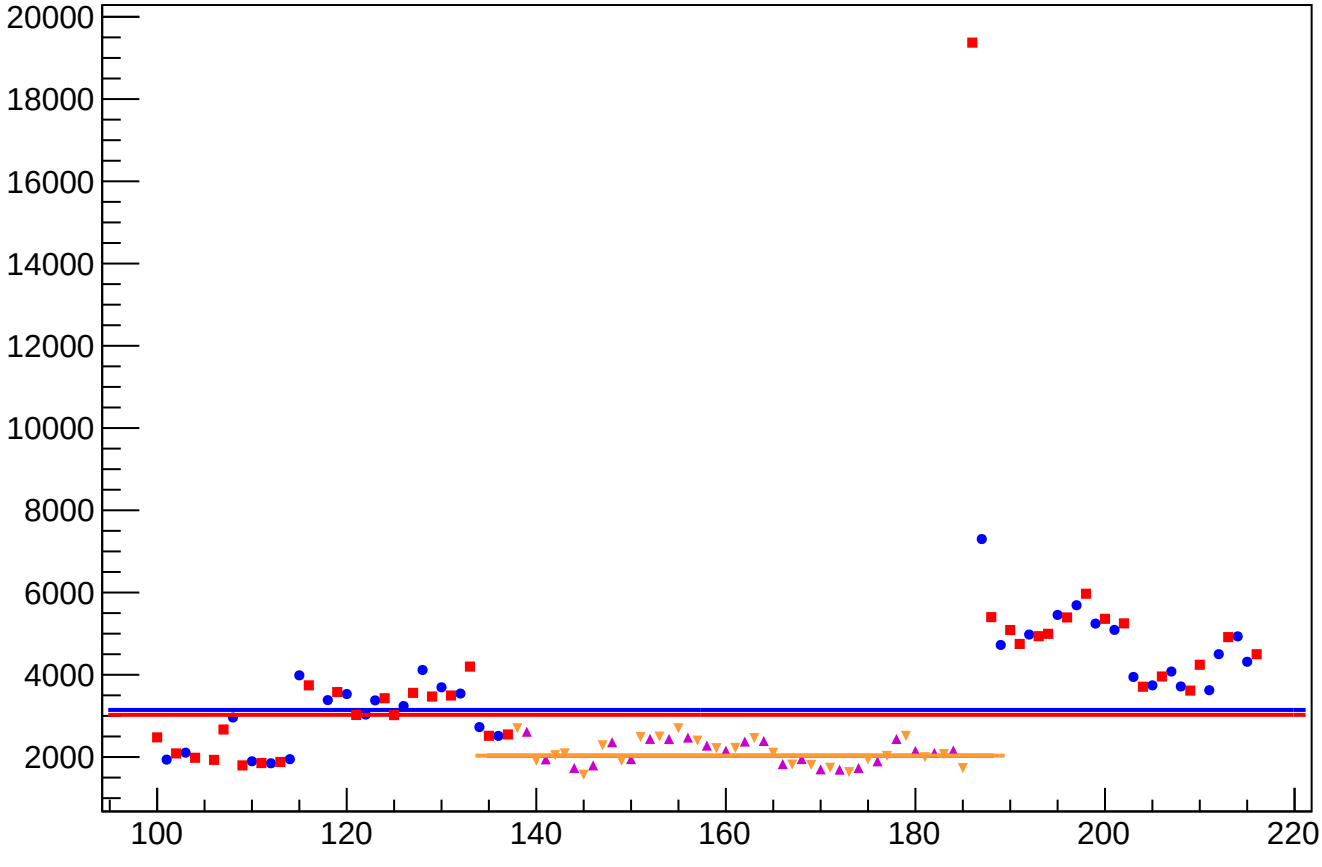
Right: -553.437+/-560.136 χ^2/NDF: 111.7/66

In: 431.571+/-420.102 χ^2/NDF:78.2/54

Out: 1092.158+/-408.412 χ^2/NDF:132.3/59

All: 771.183+/-292.837 χ^2/NDF: 211.8/114

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3145.166+/-0.570 χ^2/NDF: 4042256.6/31

Left Out: 2033.337+/-0.339 χ^2/NDF:824062.2/24

Right Out: 3025.828+/-0.550 χ^2/NDF: 5427425.6/34

Left In: 2032.655+/-0.348 χ^2/NDF:652763.7/22

Left: 2033.004+/-0.243 χ^2/NDF: 1476827.9/47

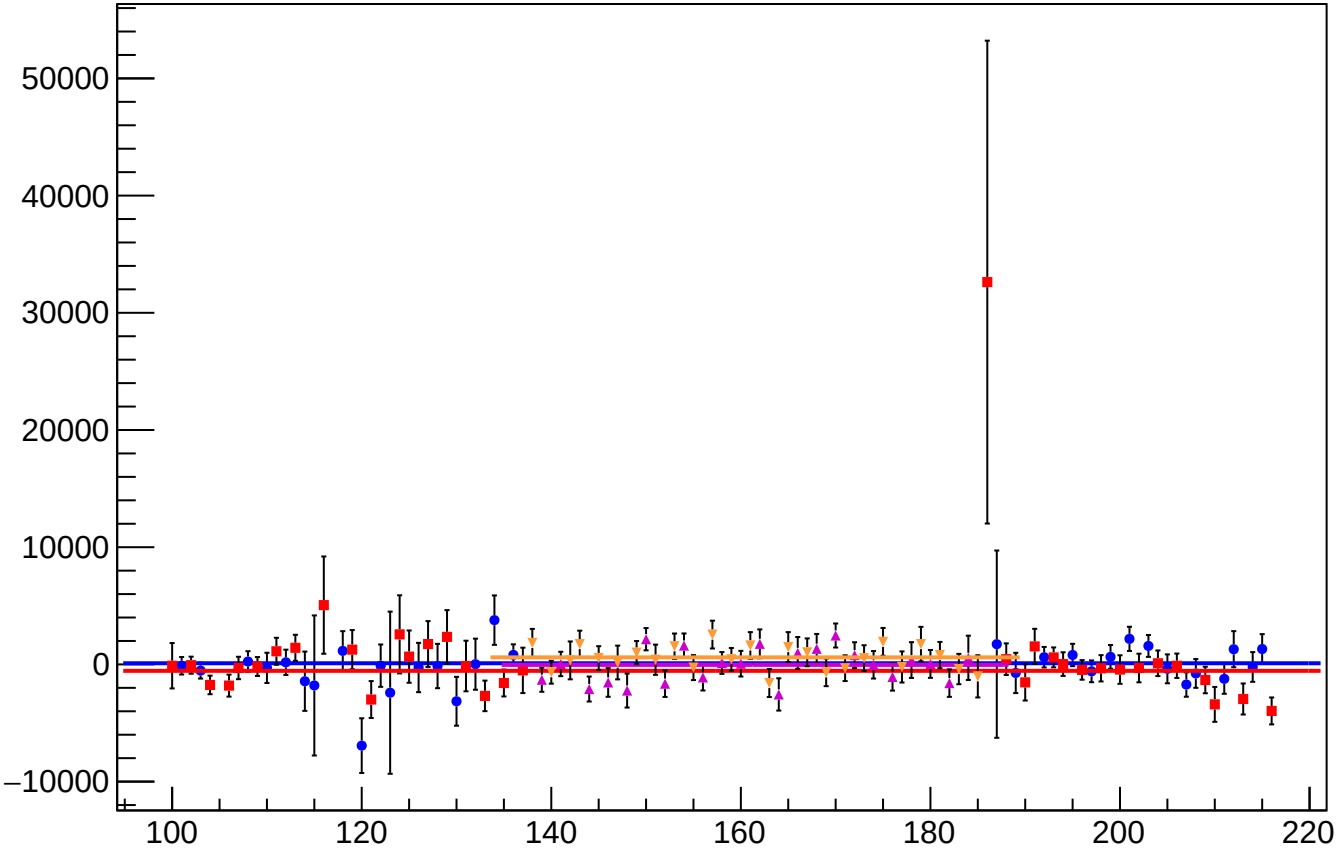
Right: 3083.355+/-0.396 χ^2/NDF: 9492348.4/66

In: 2334.319+/-0.297 χ^2/NDF:7466955.2/54

Out: 2306.624+/-0.289 χ^2/NDF:8608183.7/59

All: 2320.081+/-0.207 χ^2/NDF: 16079607.5/1

asym_sam5_mean vs Slug, Sign Corrected



Right In: 98.180+/-214.803 χ^2/NDF: 32.2/31

Left Out: 600.005+/-234.968 χ^2/NDF:18.5/24

Right Out: -549.362+/-203.533 χ^2/NDF: 47.8/34

Left In: -41.559+/-240.807 χ^2/NDF:36.4/22

Left: 287.096+/-168.174 χ^2/NDF: 58.5/47

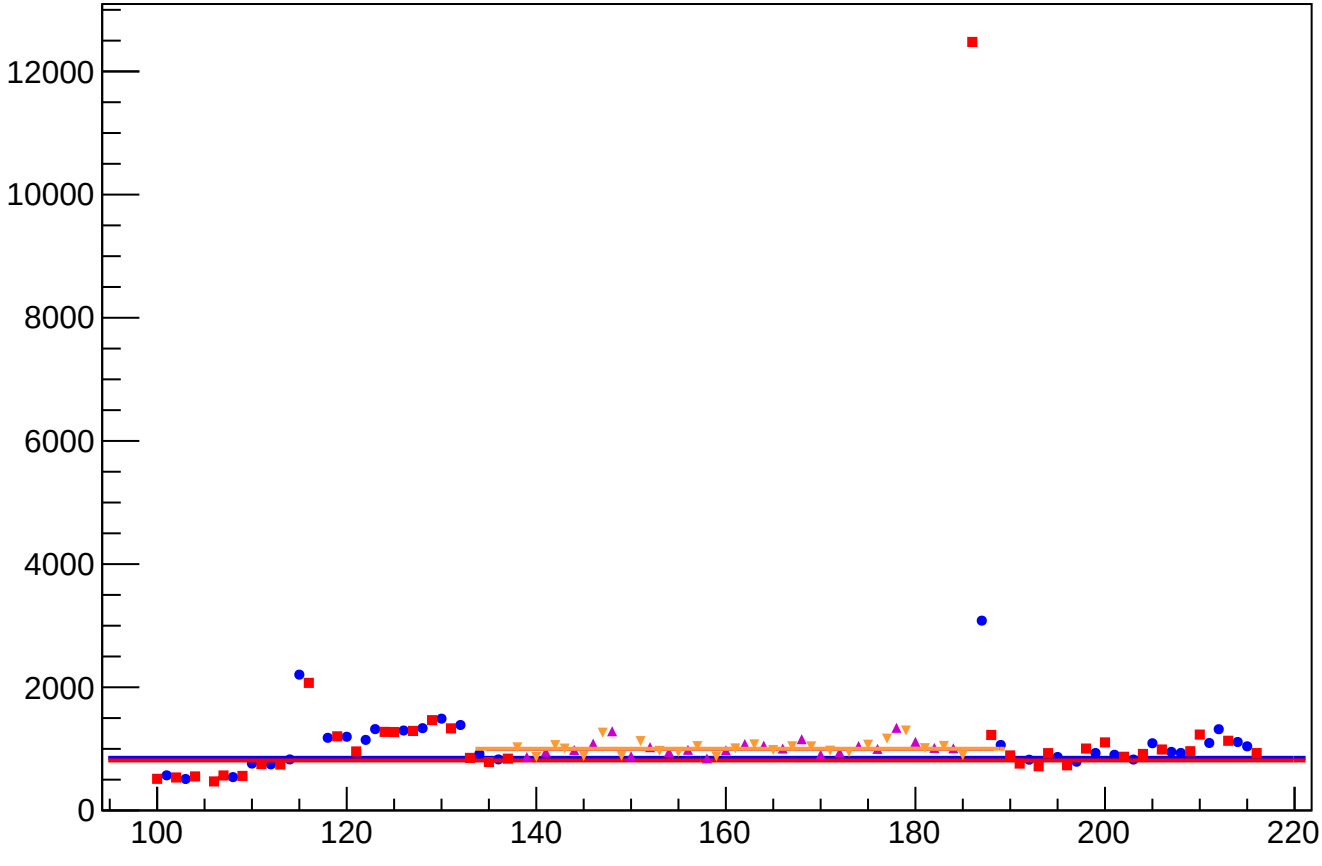
Right: -243.024+/-147.743 χ^2/NDF: 84.8/66

In: 36.260+/-160.297 χ^2/NDF:68.8/54

Out: -56.653+/-153.842 χ^2/NDF:79.9/59

All: -12.105+/-110.994 χ^2/NDF: 148.9/114

asym_sam5_rms vs Slug, Sign Corrected



Right In: 854.466+/-0.152 χ^2/NDF: 2588222.3/31

Left Out: 1001.472+/-0.166 χ^2/NDF:370299.3/24

Right Out: 811.699+/-0.144 χ^2/NDF: 3487154.0/34

Left In: 998.050+/-0.170 χ^2/NDF:404656.2/22

Left: 999.803+/-0.119 χ^2/NDF: 775162.3/47

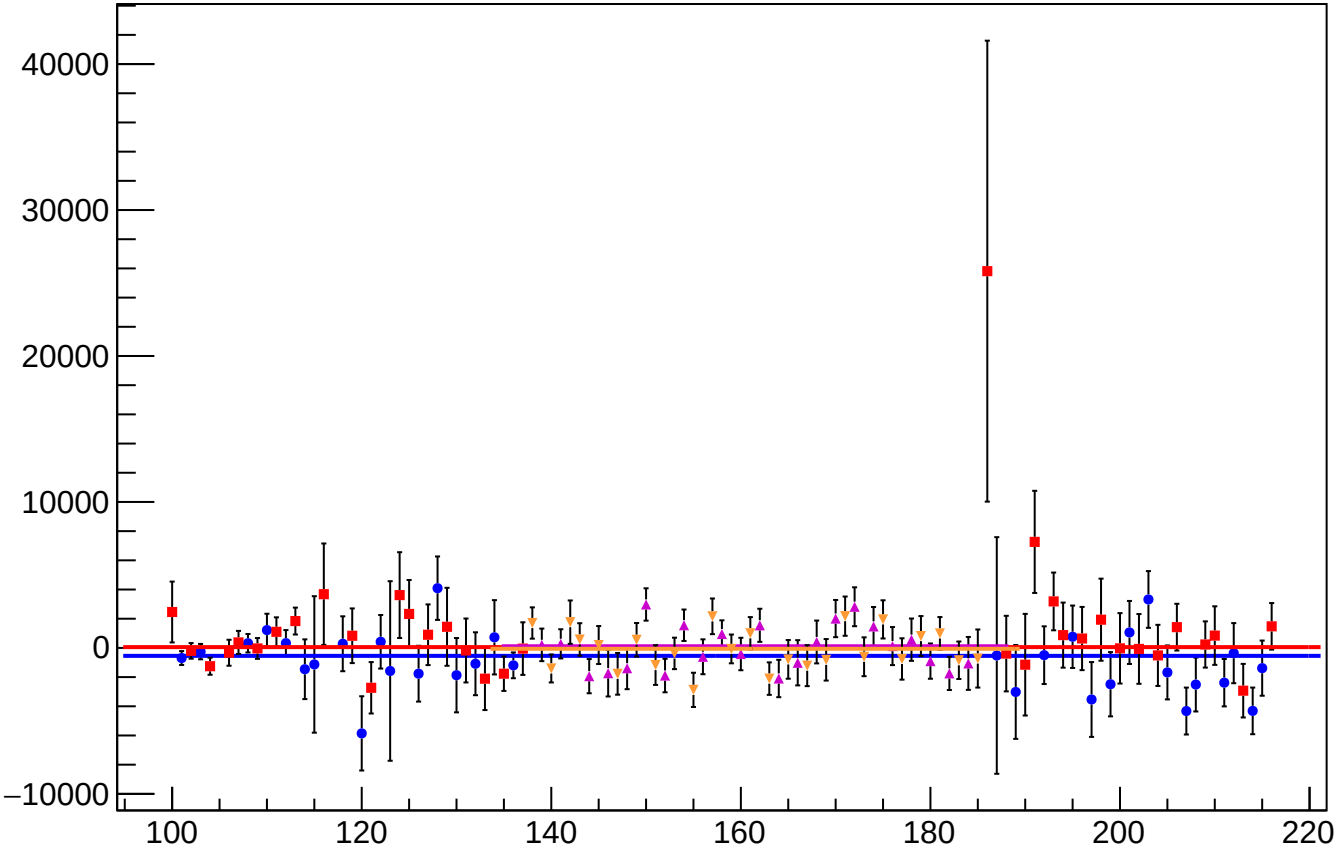
Right: 831.931+/-0.104 χ^2/NDF: 6117151.7/66

In: 918.090+/-0.113 χ^2/NDF:3388856.1/54

Out: 893.050+/-0.109 χ^2/NDF:4602803.0/59

All: 905.056+/-0.078 χ^2/NDF: 8017061.5/114

asym_sam6_mean vs Slug, Sign Corrected



Right In: -544.943+/-225.892 χ^2/NDF: 38.6/31

Left Out: -59.827+/-246.503 χ^2/NDF:31.0/24

Right Out: 53.766+/-224.094 χ^2/NDF: 36.5/34

Left In: 112.398+/-255.409 χ^2/NDF:34.9/22

Left: 23.230+/-177.369 χ^2/NDF: 66.1/47

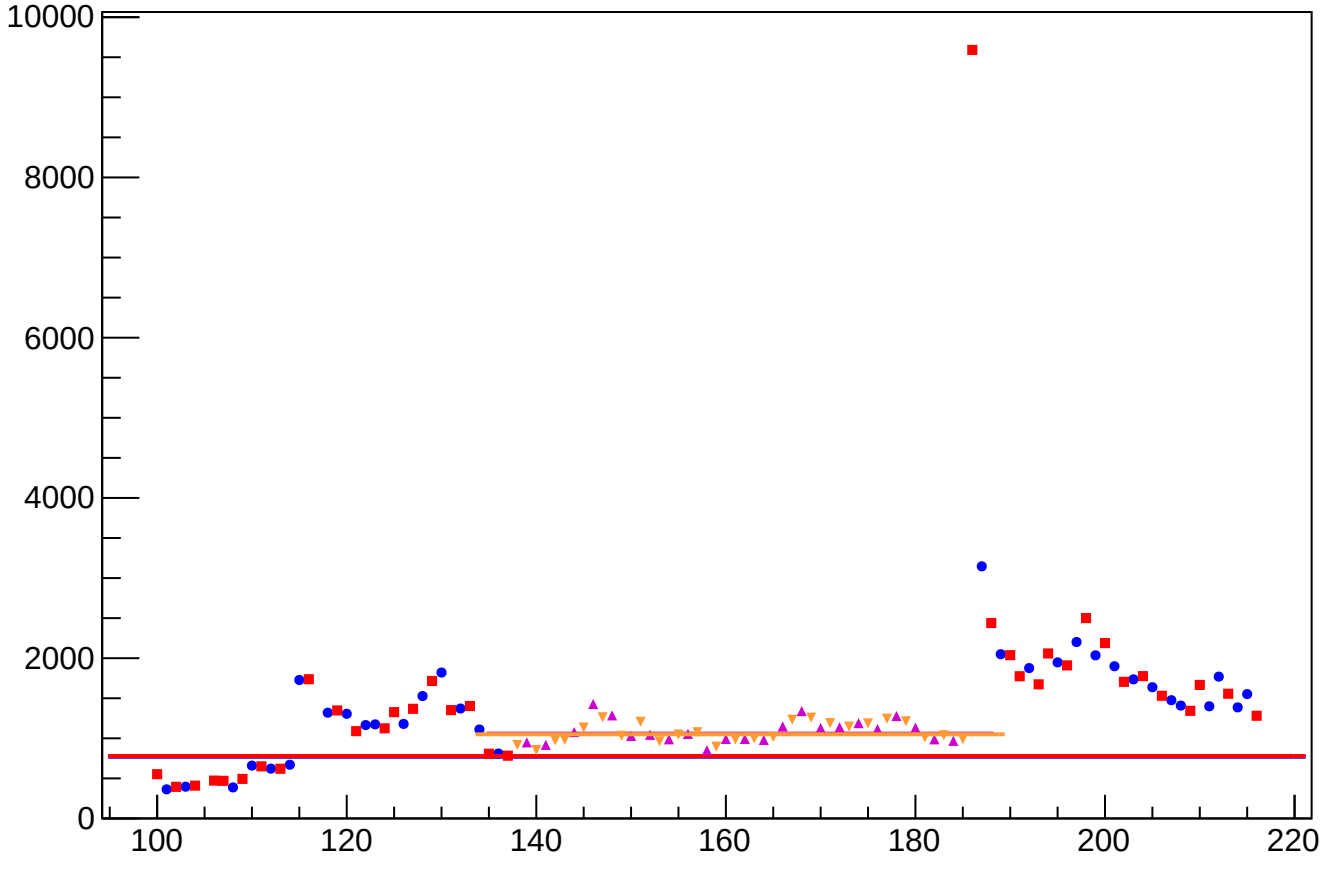
Right: -243.197+/-159.090 χ^2/NDF: 78.6/66

In: -256.436+/-169.208 χ^2/NDF:77.2/54

Out: 2.366+/-165.816 χ^2/NDF:67.6/59

All: -124.415+/-118.431 χ^2/NDF: 145.9/114

asym_sam6_rms vs Slug, Sign Corrected



Right In: 770.378+/-0.160 χ^2/NDF: 11126501.7/31

Left Out: 1050.649+/-0.174 χ^2/NDF:483144.2/24

Right Out: 779.107+/-0.158 χ^2/NDF: 11379063.7/34

Left In: 1058.097+/-0.181 χ^2/NDF:528574.7/22

Left: 1054.241+/-0.125 χ^2/NDF: 1012599.4/47

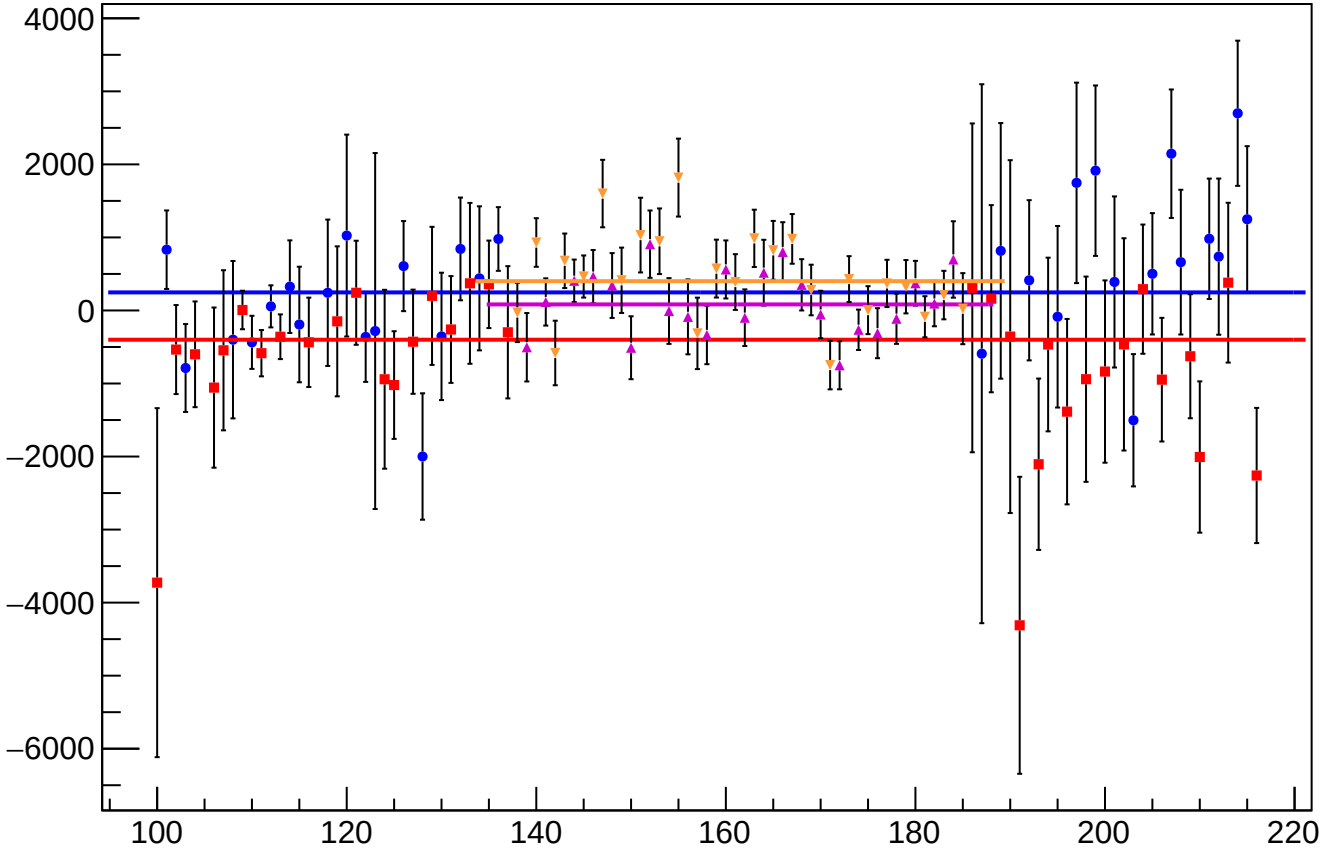
Right: 774.778+/-0.112 χ^2/NDF: 22507070.8/66

In: 896.658+/-0.120 χ^2/NDF:13079153.1/54

Out: 901.977+/-0.117 χ^2/NDF:13190981.5/59

All: 899.371+/-0.084 χ^2/NDF: 26271142.8/1

asym_sam7_mean vs Slug, Sign Corrected



Right In: 247.256+/-127.072 χ^2/NDF: 41.5/31

Left Out: 400.988+/-74.546 χ^2/NDF:52.1/24

Right Out: -400.713+/-118.483 χ^2/NDF: 24.5/34

Left In: 82.890+/-76.904 χ^2/NDF:29.0/22

Left: 246.889+/-53.526 χ^2/NDF: 89.9/47

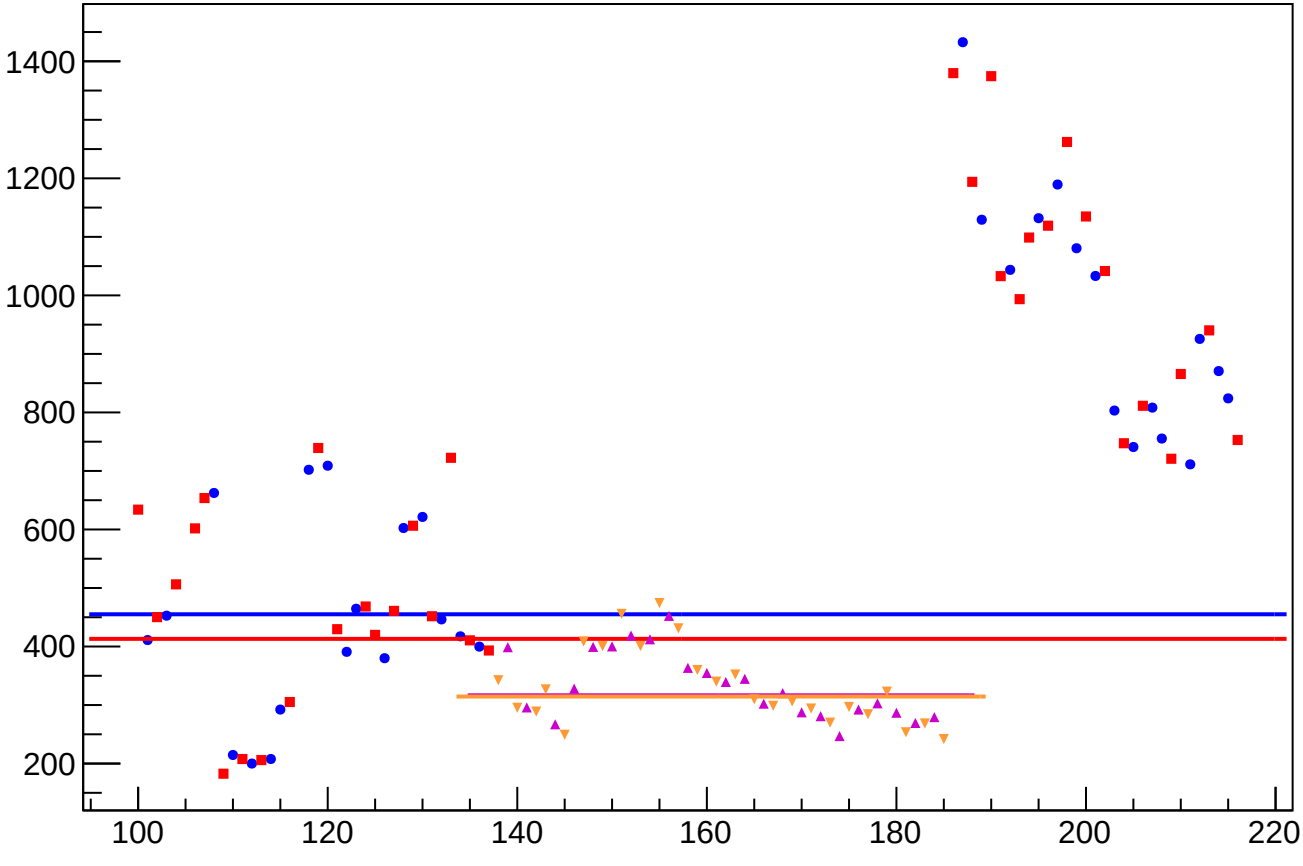
Right: -99.366+/-86.657 χ^2/NDF: 80.0/66

In: 126.953+/-65.793 χ^2/NDF:71.7/54

Out: 173.628+/-63.097 χ^2/NDF:109.4/59

All: 151.267+/-45.539 χ^2/NDF: 181.4/114

asym_sam7_rms vs Slug, Sign Corrected



Right In: 455.080+/-0.090 χ^2/NDF: 8809091.8/31

Left Out: 314.538+/-0.053 χ^2/NDF:1112445.6/24

Right Out: 413.086+/-0.084 χ^2/NDF: 11291190.1/34

Left In: 316.647+/-0.054 χ^2/NDF:920874.0/22

Left: 315.560+/-0.038 χ^2/NDF: 2034094.8/47

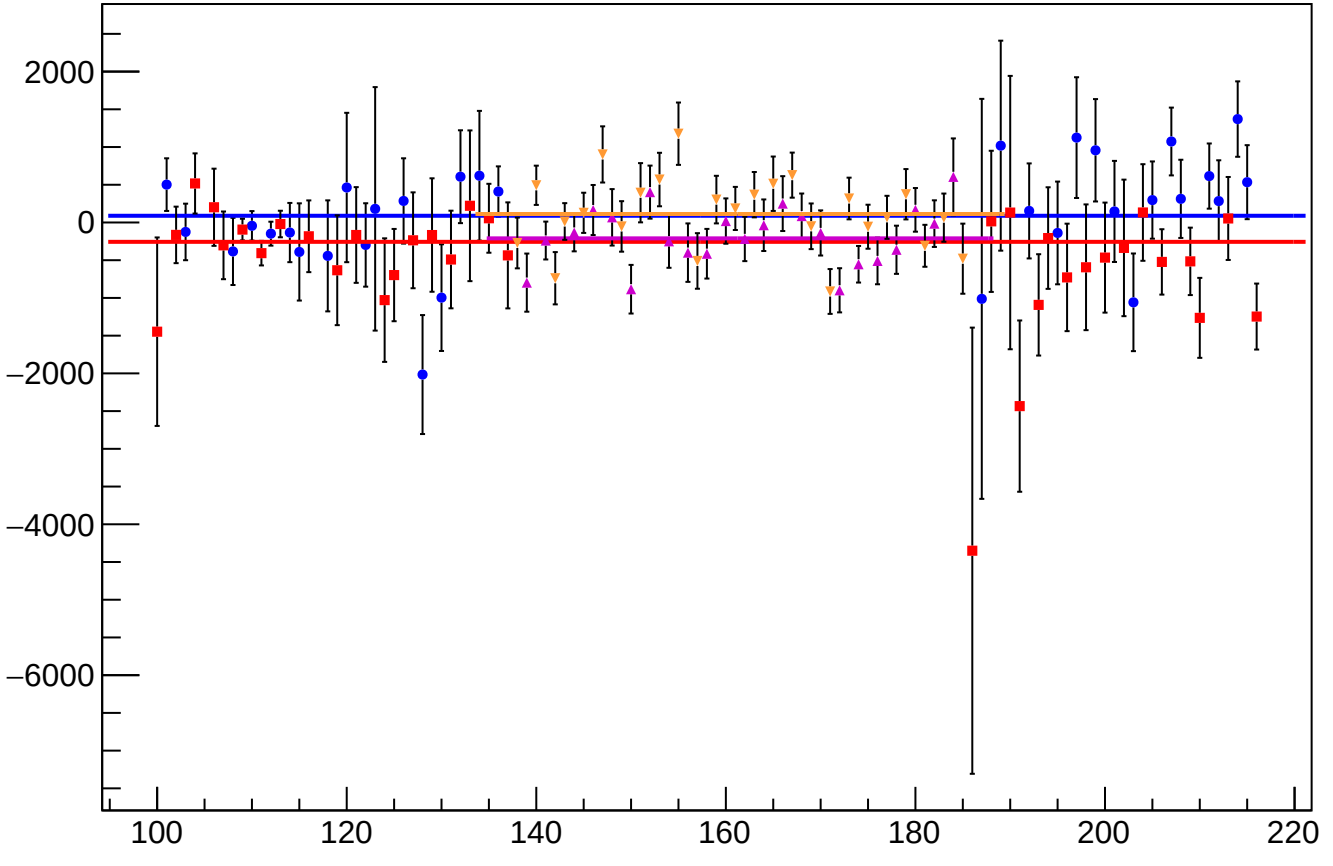
Right: 432.616+/-0.061 χ^2/NDF: 20217130.0/66

In: 353.758+/-0.047 χ^2/NDF:11467278.1/54

Out: 342.486+/-0.045 χ^2/NDF:13394850.2/59

All: 347.886+/-0.032 χ^2/NDF: 24892708.2/11

asym_sam8_mean vs Slug, Sign Corrected



Right In: 89.016+/-77.922 χ^2/NDF: 40.6/31

Left Out: 112.242+/-62.643 χ^2/NDF:49.1/24

Right Out: -256.522+/-69.512 χ^2/NDF: 30.2/34

Left In: -210.453+/-65.510 χ^2/NDF:29.2/22

Left: -41.890+/-45.275 χ^2/NDF: 91.0/47

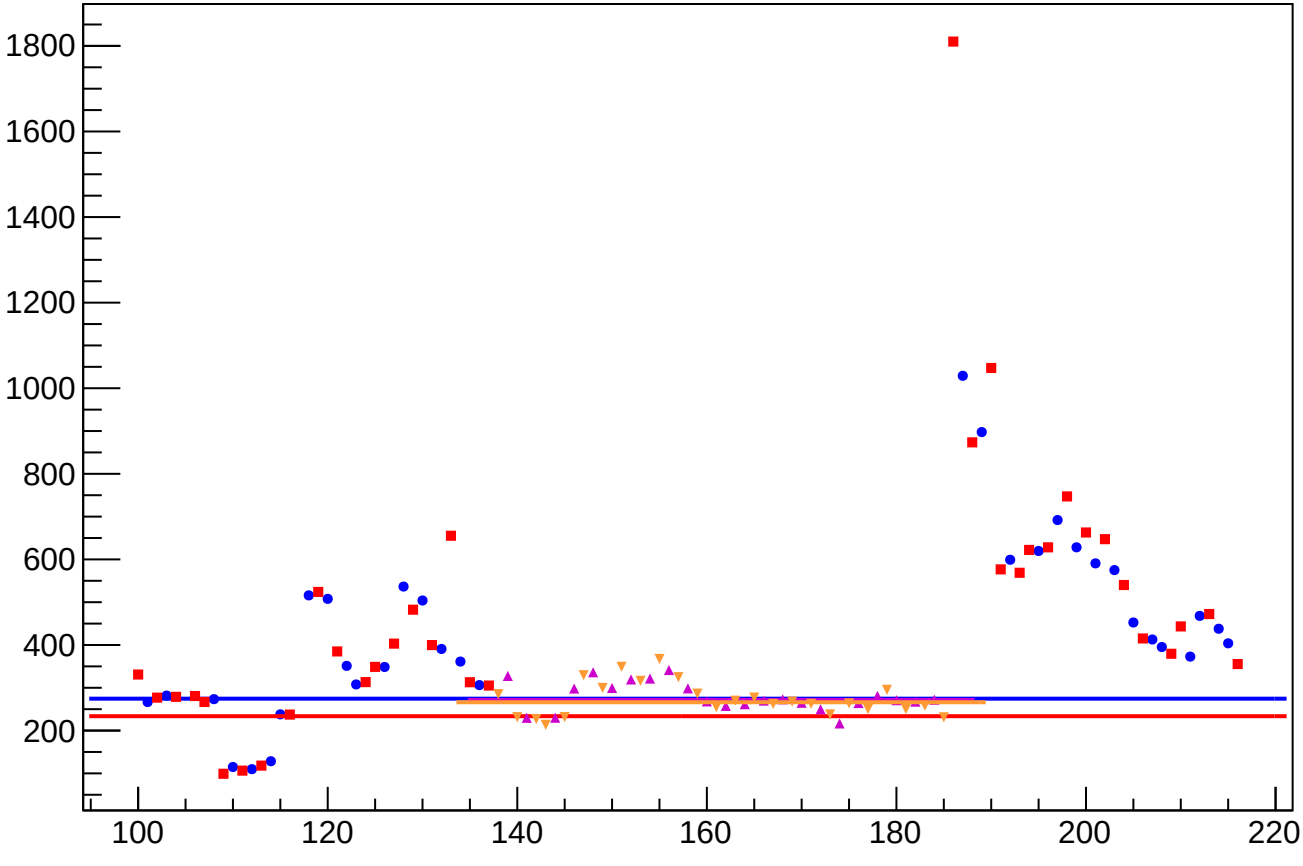
Right: -103.399+/-51.872 χ^2/NDF: 81.7/66

In: -86.440+/-50.144 χ^2/NDF:78.4/54

Out: -53.024+/-46.535 χ^2/NDF:94.9/59

All: -68.487+/-34.110 χ^2/NDF: 173.5/114

asym_sam8_rms vs Slug, Sign Corrected



Right In: 274.551+/-0.055 χ^2/NDF: 9548346.5/31

Left Out: 266.207+/-0.044 χ^2/NDF:649629.9/24

Right Out: 233.613+/-0.049 χ^2/NDF: 12993046.7/34

Left In: 271.415+/-0.046 χ^2/NDF:521877.7/22

Left: 268.695+/-0.032 χ^2/NDF: 1178109.8/47

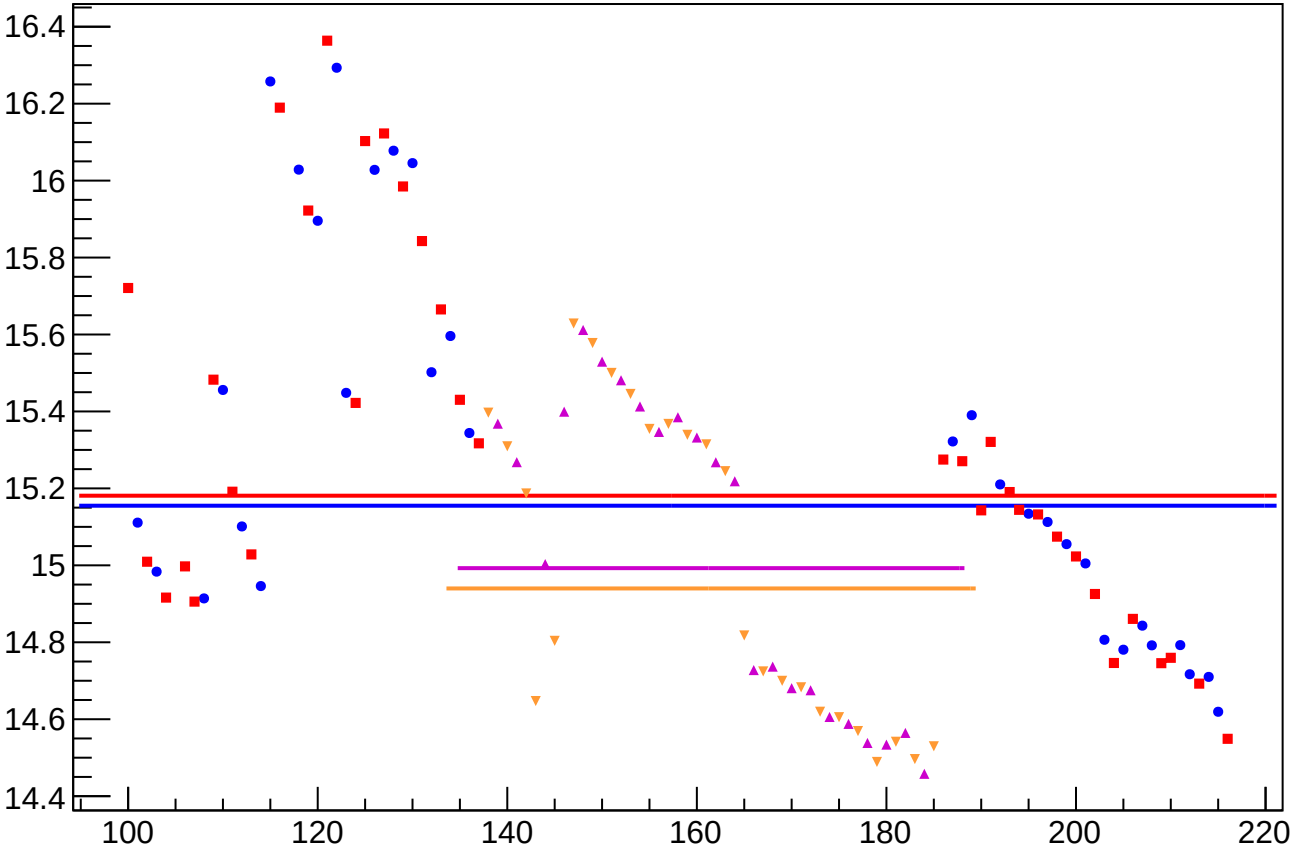
Right: 251.755+/-0.037 χ^2/NDF: 22848789.3/66

In: 272.714+/-0.035 χ^2/NDF:10072122.5/54

Out: 251.600+/-0.033 χ^2/NDF:13885327.9/59

All: 261.370+/-0.024 χ^2/NDF: 24147963.4/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.155+/-0.000 χ^2/NDF: 19960980009.1/31

Left Out: 14.940+/-0.000 χ^2/NDF:24199653913.9/24

Right Out: 15.181+/-0.000 χ^2/NDF: 19677894937.9/34

Left In: 14.993+/-0.000 χ^2/NDF:22023159634.7/22

Left: 14.965+/-0.000 χ^2/NDF: 46444749587.5/47

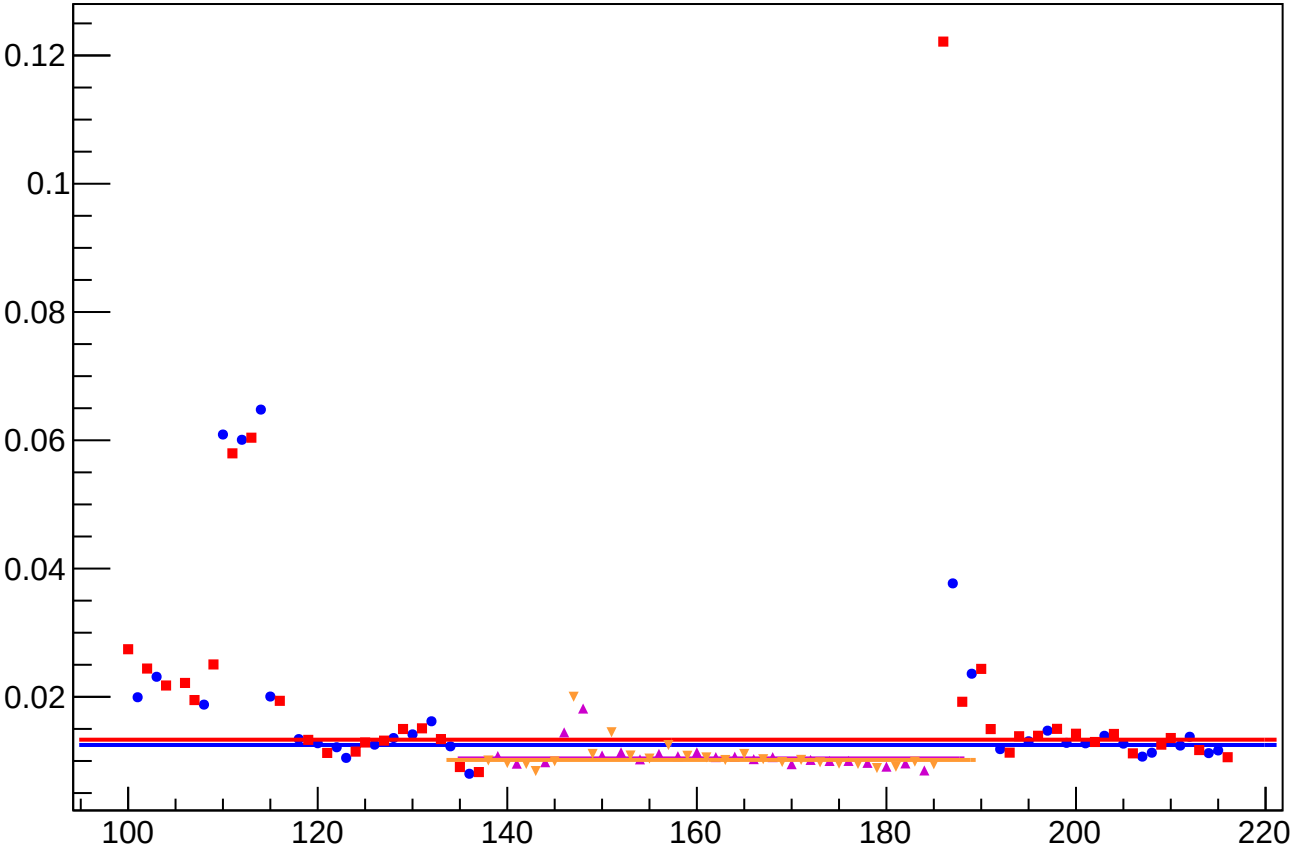
Right: 15.167+/-0.000 χ^2/NDF: 39669912282.6/66

In: 15.056+/-0.000 χ^2/NDF:43547580992.6/54

Out: 15.022+/-0.000 χ^2/NDF:47192006737.9/59

All: 15.039+/-0.000 χ^2/NDF: 90884223633.4

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2610237.5/31

Left Out: 0.010+/-0.000 χ^2/NDF:717351.4/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3224011.3/34

Left In: 0.010+/-0.000 χ^2/NDF:544268.8/22

Left: 0.010+/-0.000 χ^2/NDF: 1270343.0/47

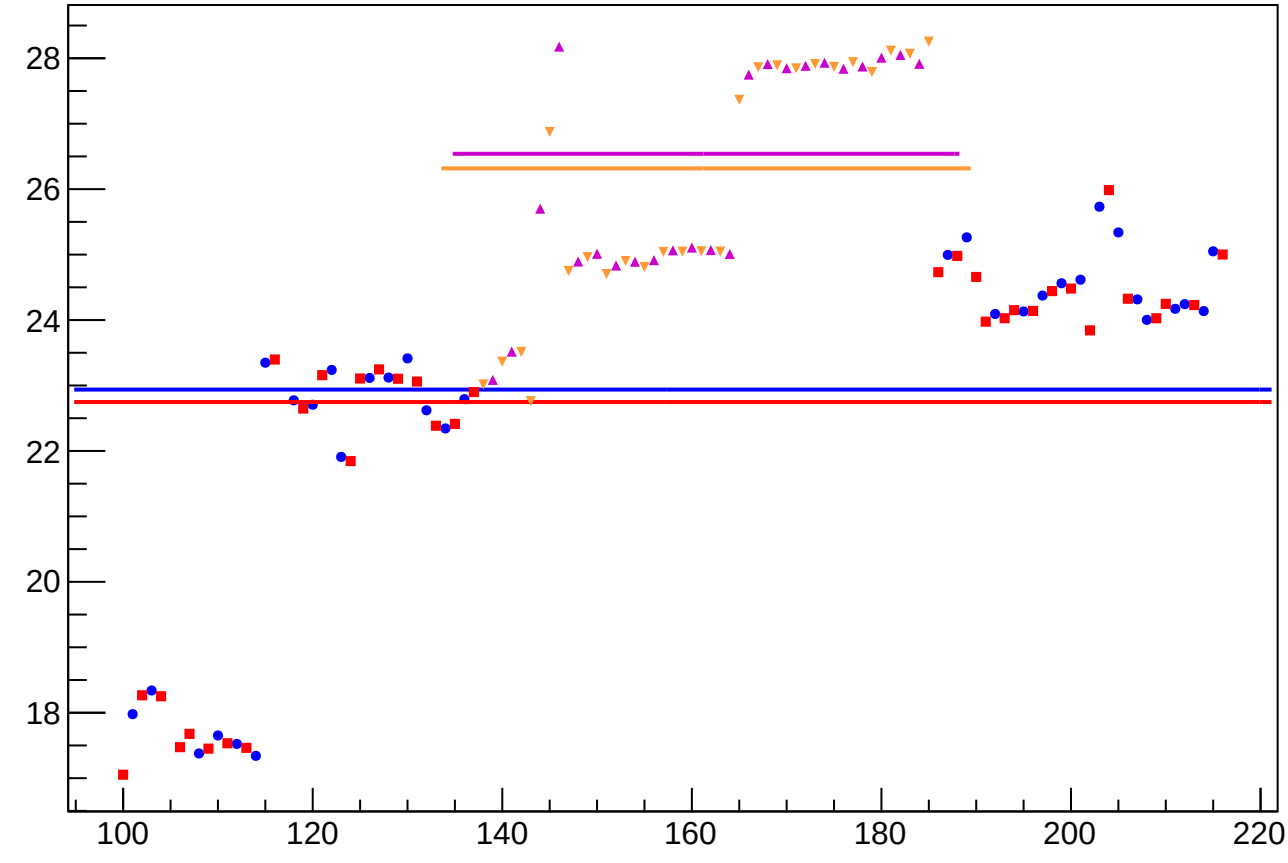
Right: 0.013+/-0.000 χ^2/NDF: 5896395.2/66

In: 0.011+/-0.000 χ^2/NDF:3677400.3/54

Out: 0.011+/-0.000 χ^2/NDF:5077486.2/59

All: 0.011+/-0.000 χ^2/NDF: 8755021.8/114

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.938+/-0.000 χ^2/NDF: 1432202611.1/31

Left Out: 26.318+/-0.000 χ^2/NDF:4715403741.0/24

Right Out: 22.747+/-0.000 χ^2/NDF: 1637908140.6/34

Left In: 26.540+/-0.000 χ^2/NDF:3309392772.6/22

Left: 26.424+/-0.000 χ^2/NDF: 8058273722.3/47

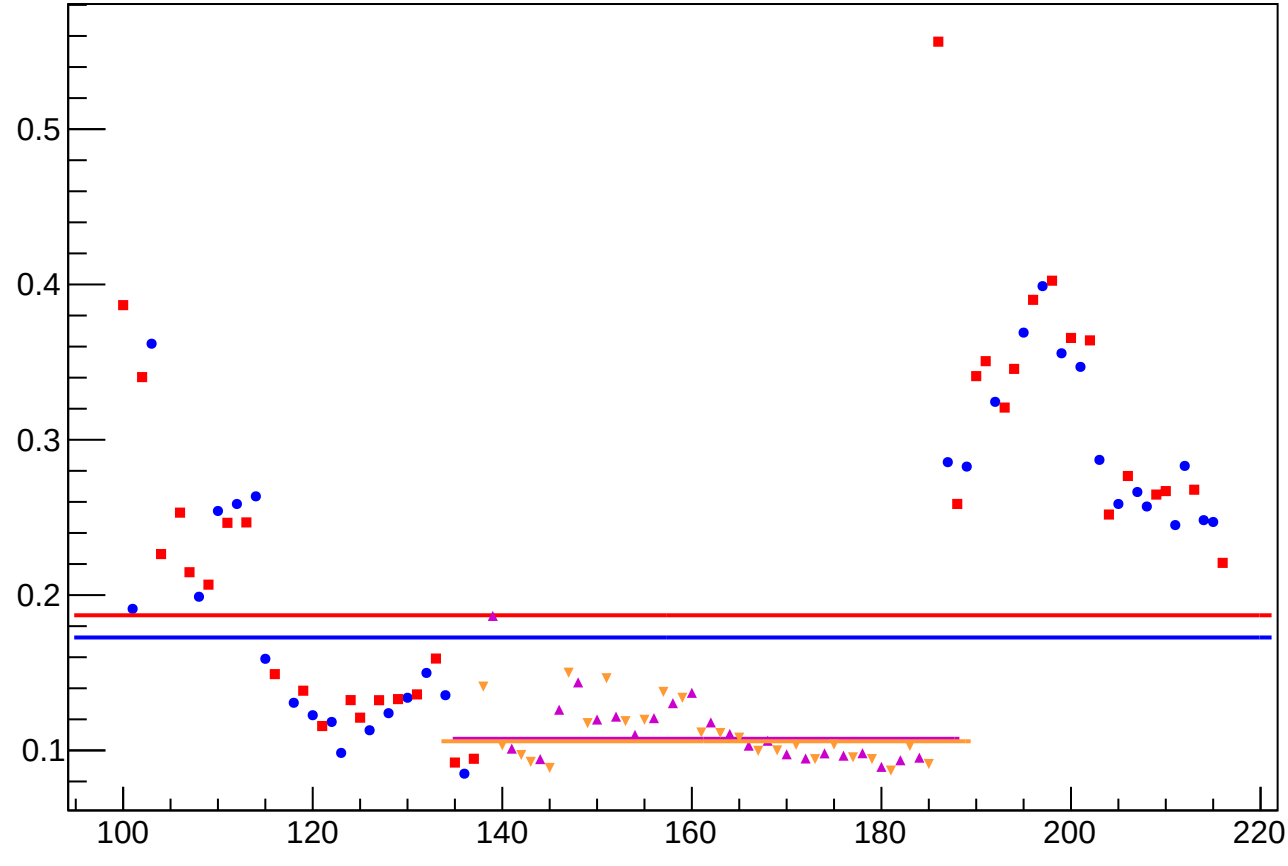
Right: 22.847+/-0.000 χ^2/NDF: 3077563825.0/66

In: 25.636+/-0.000 χ^2/NDF:8961220155.6/54

Out: 25.541+/-0.000 χ^2/NDF:10262381819.4/59

All: 25.588+/-0.000 χ^2/NDF: 19231547059.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.173+/-0.000 χ^2/NDF: 6423821.3/31

Left Out: 0.106+/-0.000 χ^2/NDF:732883.8/24

Right Out: 0.187+/-0.000 χ^2/NDF: 6070095.9/34

Left In: 0.107+/-0.000 χ^2/NDF:771132.0/22

Left: 0.107+/-0.000 χ^2/NDF: 1507414.2/47

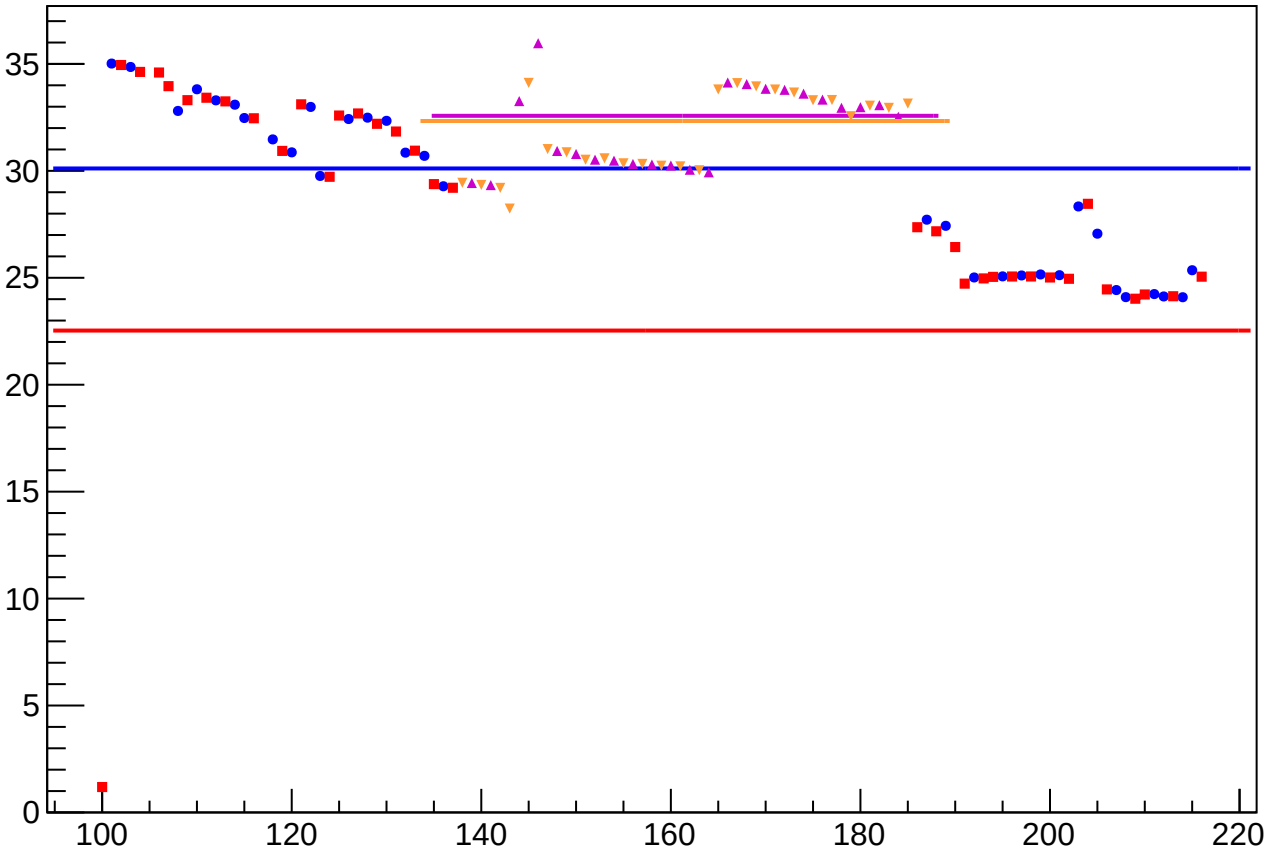
Right: 0.179+/-0.000 χ^2/NDF: 12578121.8/66

In: 0.124+/-0.000 χ^2/NDF:9962414.1/54

Out: 0.124+/-0.000 χ^2/NDF:10839531.7/59

All: 0.124+/-0.000 χ^2/NDF: 20802125.1/114

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.112+/-0.000 χ^2/NDF: 10562312150.3/31

Left Out: 32.331+/-0.000 χ^2/NDF:12850475096.2/24

Right Out: 22.533+/-0.000 χ^2/NDF: 232423750602.6/34

Left In: 32.574+/-0.000 χ^2/NDF:11797772603.7/22

Left: 32.450+/-0.000 χ^2/NDF: 24766521375.8/47

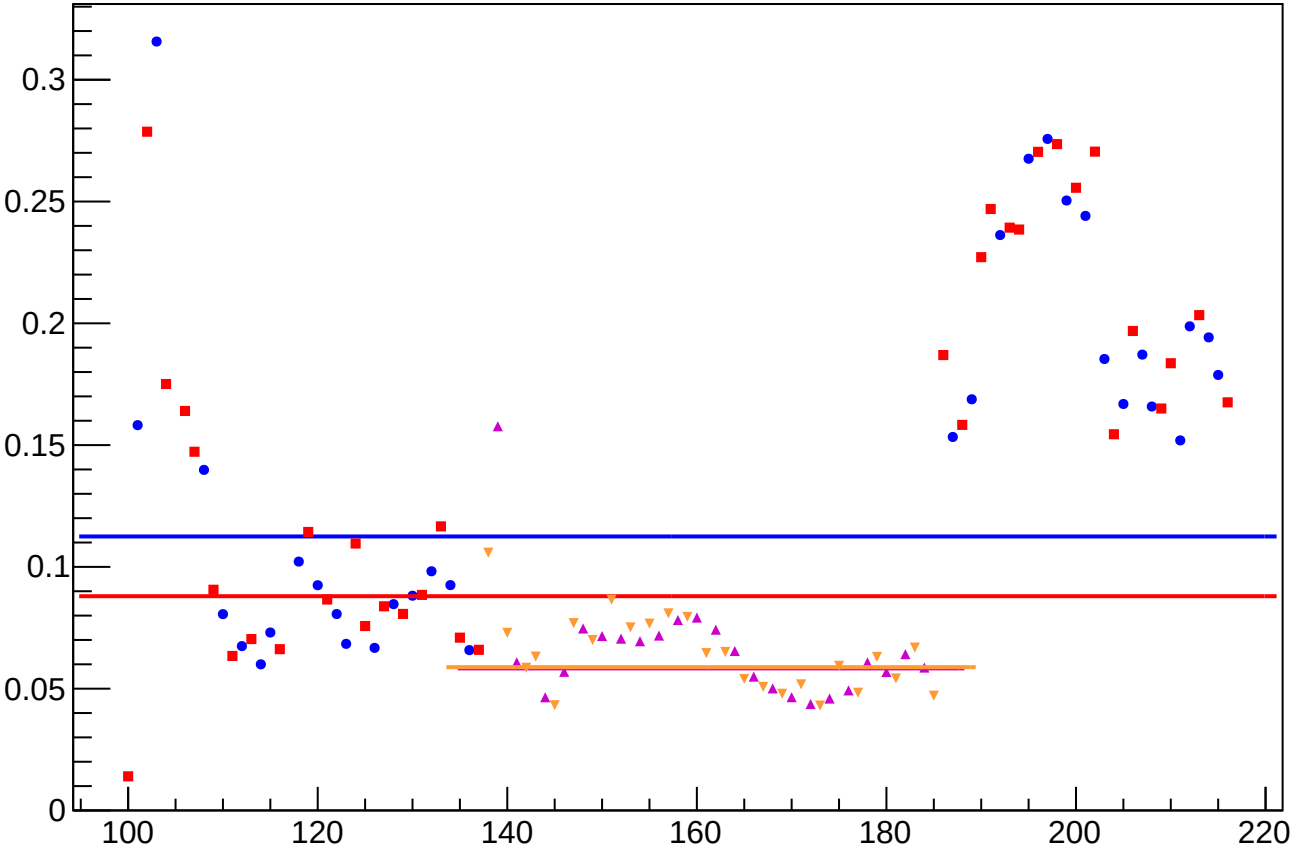
Right: 25.771+/-0.000 χ^2/NDF: 275358804635.8/66

In: 32.080+/-0.000 χ^2/NDF:27128286614.8/54

Out: 29.944+/-0.000 χ^2/NDF:341069029745.6/59

All: 30.959+/-0.000 χ^2/NDF: 379935595822.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.112+/-0.000 χ^2/NDF: 6666564.0/31

Left Out: 0.059+/-0.000 χ^2/NDF:1402605.2/24

Right Out: 0.088+/-0.000 χ^2/NDF: 12132427.4/34

Left In: 0.058+/-0.000 χ^2/NDF:1525476.4/22

Left: 0.059+/-0.000 χ^2/NDF: 2929140.7/47

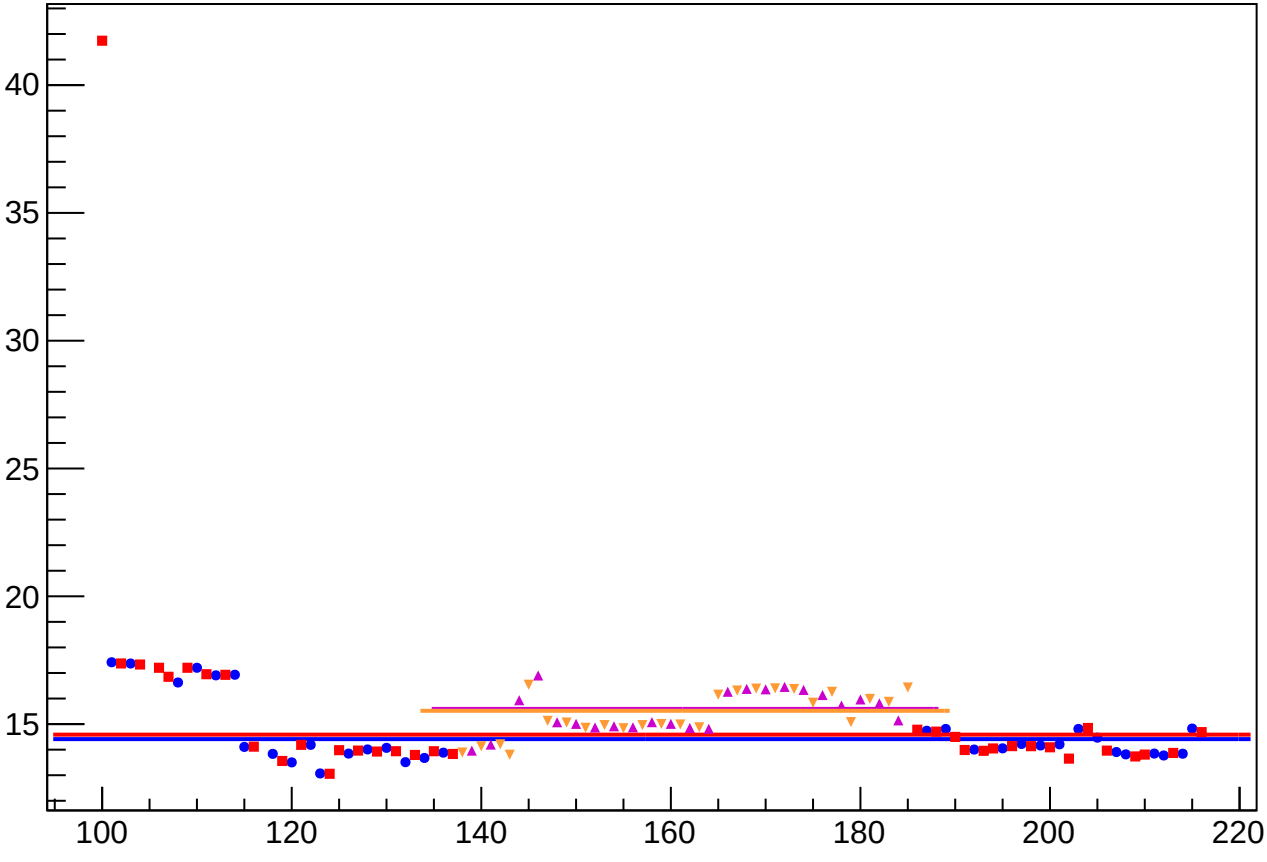
Right: 0.098+/-0.000 χ^2/NDF: 19477286.6/66

In: 0.069+/-0.000 χ^2/NDF:12809456.9/54

Out: 0.066+/-0.000 χ^2/NDF:15228902.9/59

All: 0.067+/-0.000 χ^2/NDF: 28093078.2/114

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.412+/-0.000 χ^2/NDF: 1570781811.0/31

Left Out: 15.521+/-0.000 χ^2/NDF:2591377740.5/24

Right Out: 14.588+/-0.000 χ^2/NDF: 2038839902.6/34

Left In: 15.595+/-0.000 χ^2/NDF:1908733580.5/22

Left: 15.557+/-0.000 χ^2/NDF: 4510008259.4/47

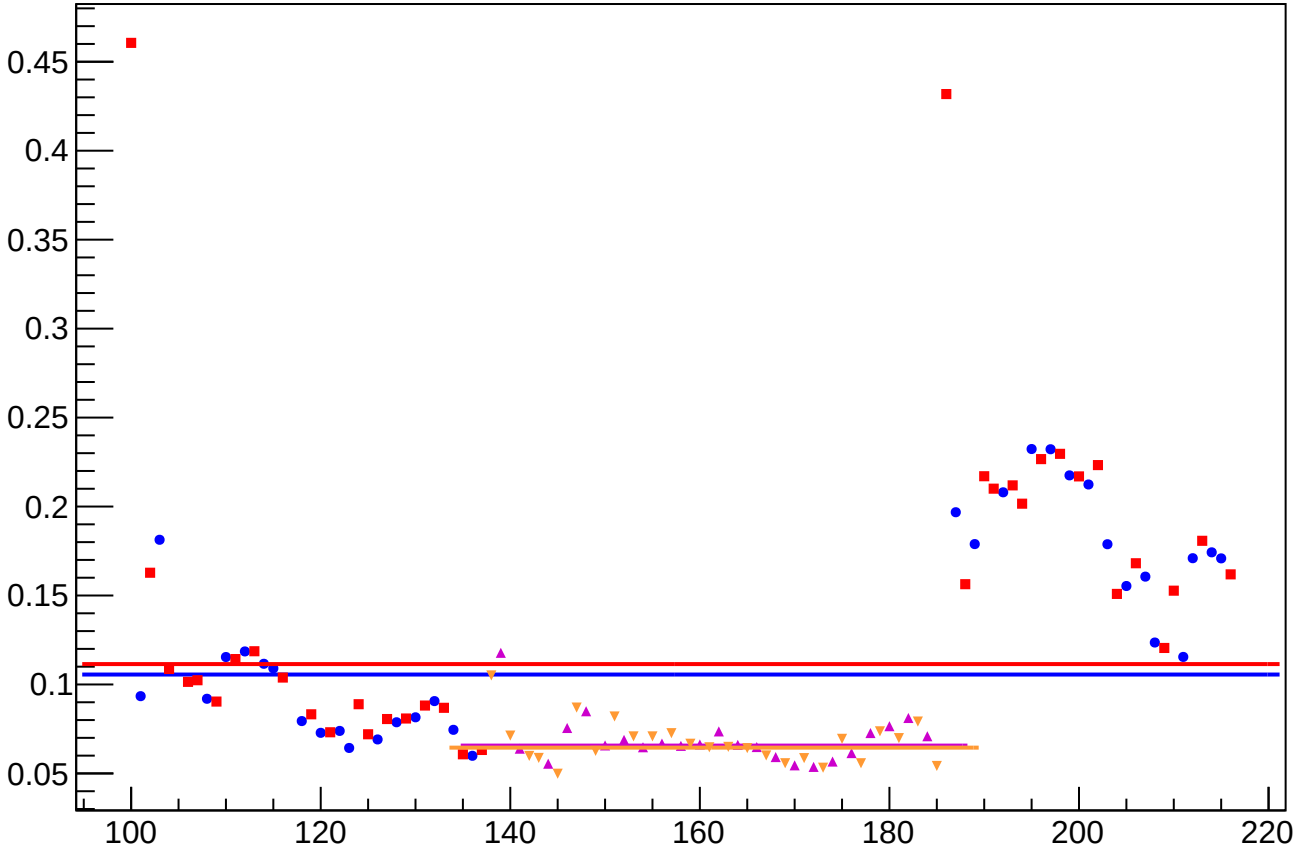
Right: 14.497+/-0.000 χ^2/NDF: 3627528546.5/66

In: 15.288+/-0.000 χ^2/NDF:4731181072.0/54

Out: 15.305+/-0.000 χ^2/NDF:5385624853.0/59

All: 15.297+/-0.000 χ^2/NDF: 10117550415.5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.106+/-0.000 χ^2/NDF: 5542777.0/31

Left Out: 0.064+/-0.000 χ^2/NDF:761552.3/24

Right Out: 0.111+/-0.000 χ^2/NDF: 5461732.5/34

Left In: 0.066+/-0.000 χ^2/NDF:714703.1/22

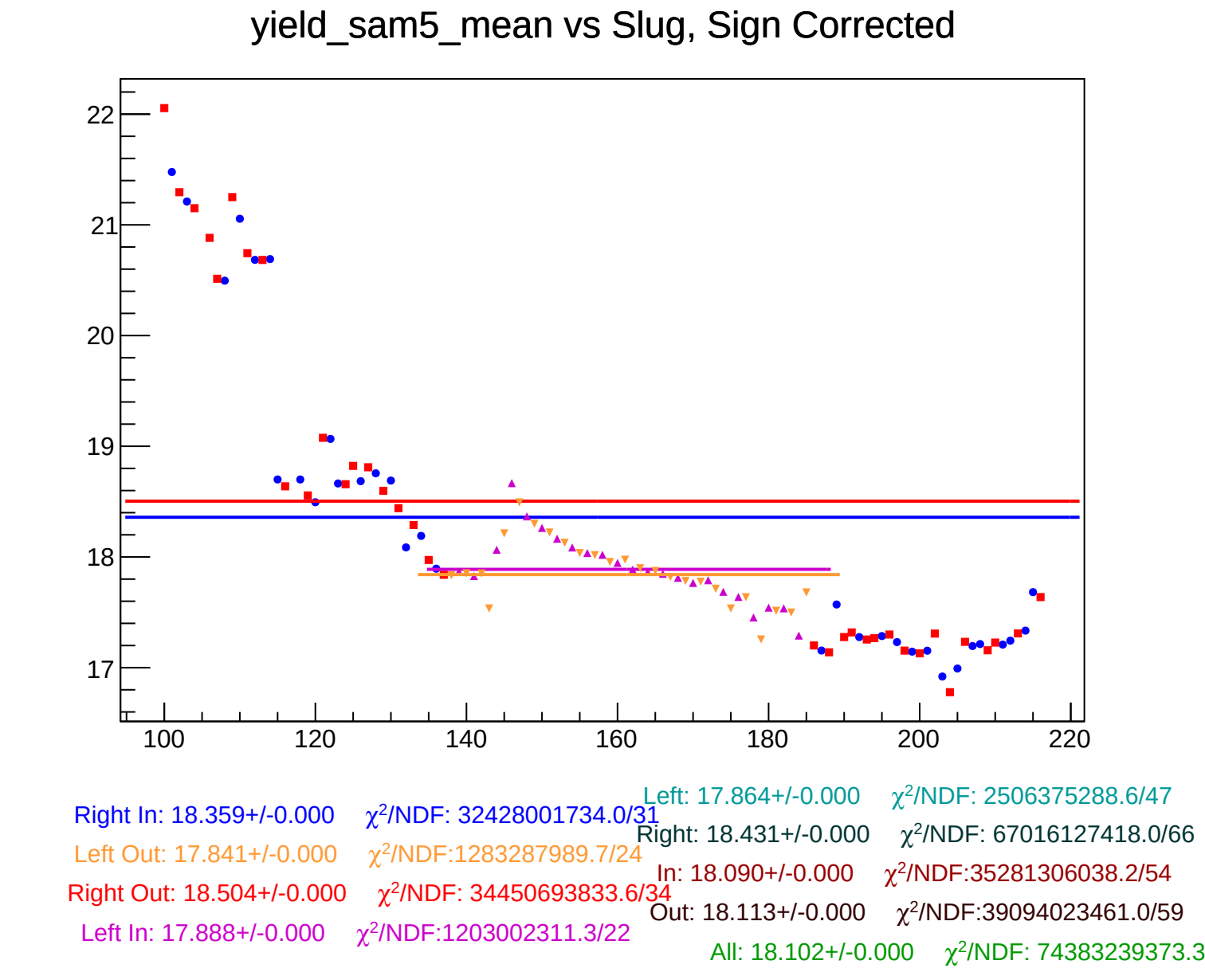
Left: 0.065+/-0.000 χ^2/NDF: 1481007.6/47

Right: 0.108+/-0.000 χ^2/NDF: 11044803.6/66

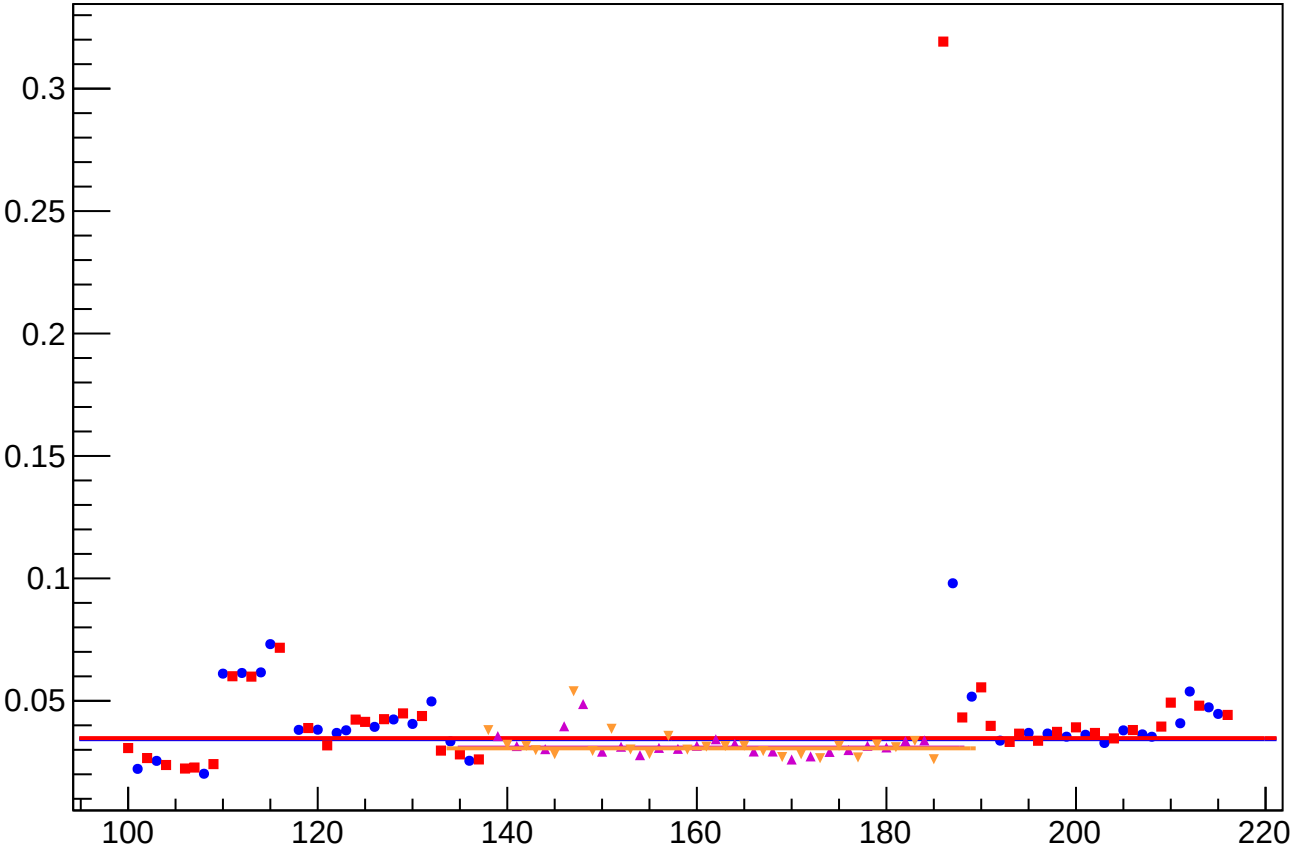
In: 0.076+/-0.000 χ^2/NDF:9111177.5/54

Out: 0.075+/-0.000 χ^2/NDF:10048032.0/59

All: 0.076+/-0.000 χ^2/NDF: 19161440.9/114


yield_sam5_mean vs Slug, Sign Corrected
22
21
20
19
18
17
100
120
140
160
180
200
220
Right In: 18.359+/-0.000 χ²/NDF: 32428001734.0/31
Left Out: 17.841+/-0.000 χ²/NDF:1283287989.7/24
Right Out: 18.504+/-0.000 χ²/NDF: 34450693833.6/34
Left In: 17.888+/-0.000 χ²/NDF:1203002311.3/22
Left: 17.864+/-0.000 χ²/NDF: 2506375288.6/47
Right: 18.431+/-0.000 χ²/NDF: 67016127418.0/66
In: 18.090+/-0.000 χ²/NDF:35281306038.2/54
Out: 18.113+/-0.000 χ²/NDF:39094023461.0/59
All: 18.102+/-0.000 χ²/NDF: 74383239373.3

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 2185016.3/31

Left Out: 0.031+/-0.000 χ^2/NDF:590475.6/24

Right Out: 0.035+/-0.000 χ^2/NDF: 2492840.1/34

Left In: 0.031+/-0.000 χ^2/NDF:453524.6/22

Left: 0.031+/-0.000 χ^2/NDF: 1045553.8/47

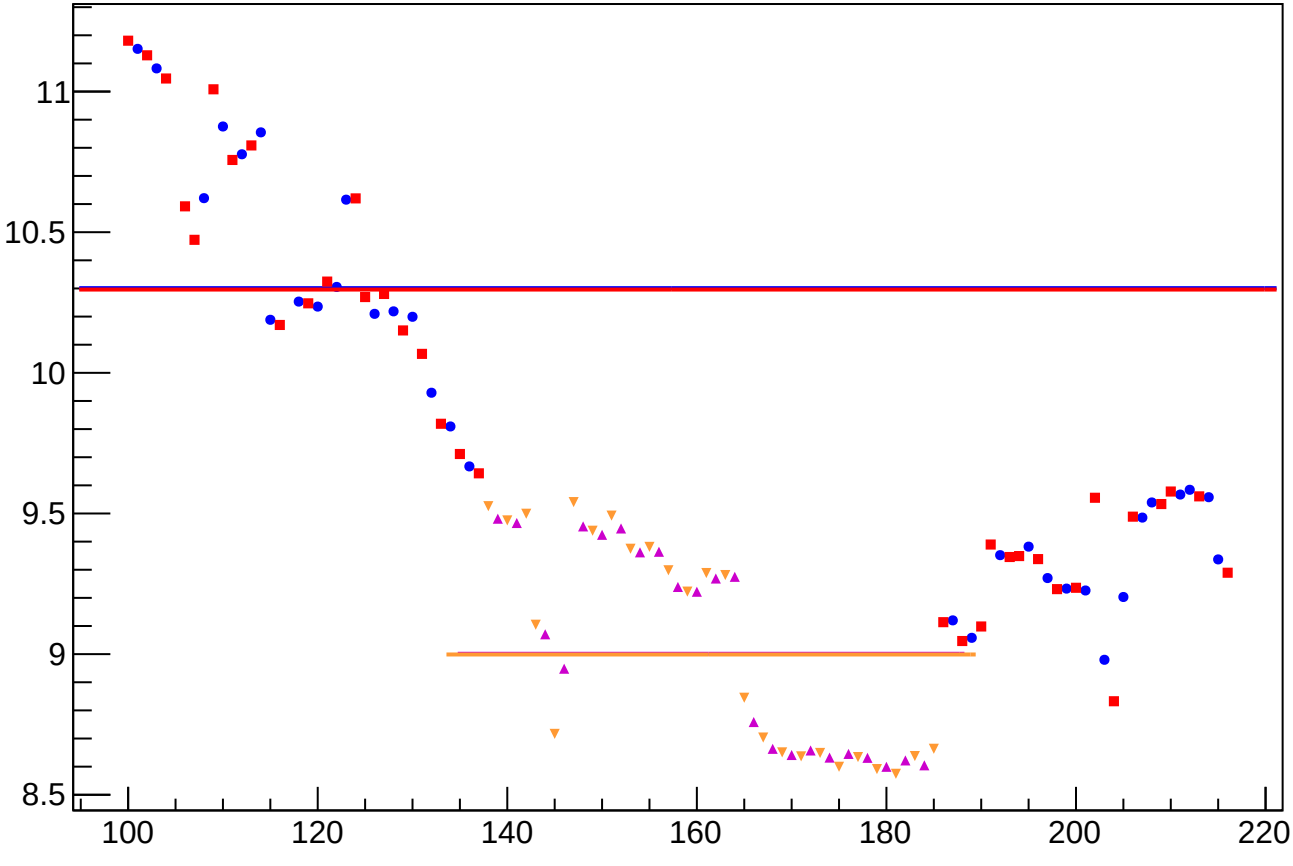
Right: 0.035+/-0.000 χ^2/NDF: 4680281.7/66

In: 0.032+/-0.000 χ^2/NDF:2815496.2/54

Out: 0.032+/-0.000 χ^2/NDF:3349153.7/59

All: 0.032+/-0.000 χ^2/NDF: 6164773.7/114

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.301+/-0.000 χ^2/NDF: 16585449939.9/31

Left Out: 8.999+/-0.000 χ^2/NDF:6392583736.5/24

Right Out: 10.296+/-0.000 χ^2/NDF: 14922728654.5/34

Left In: 9.001+/-0.000 χ^2/NDF:5314536205.4/22

Left: 9.000+/-0.000 χ^2/NDF: 11707260677.5/47

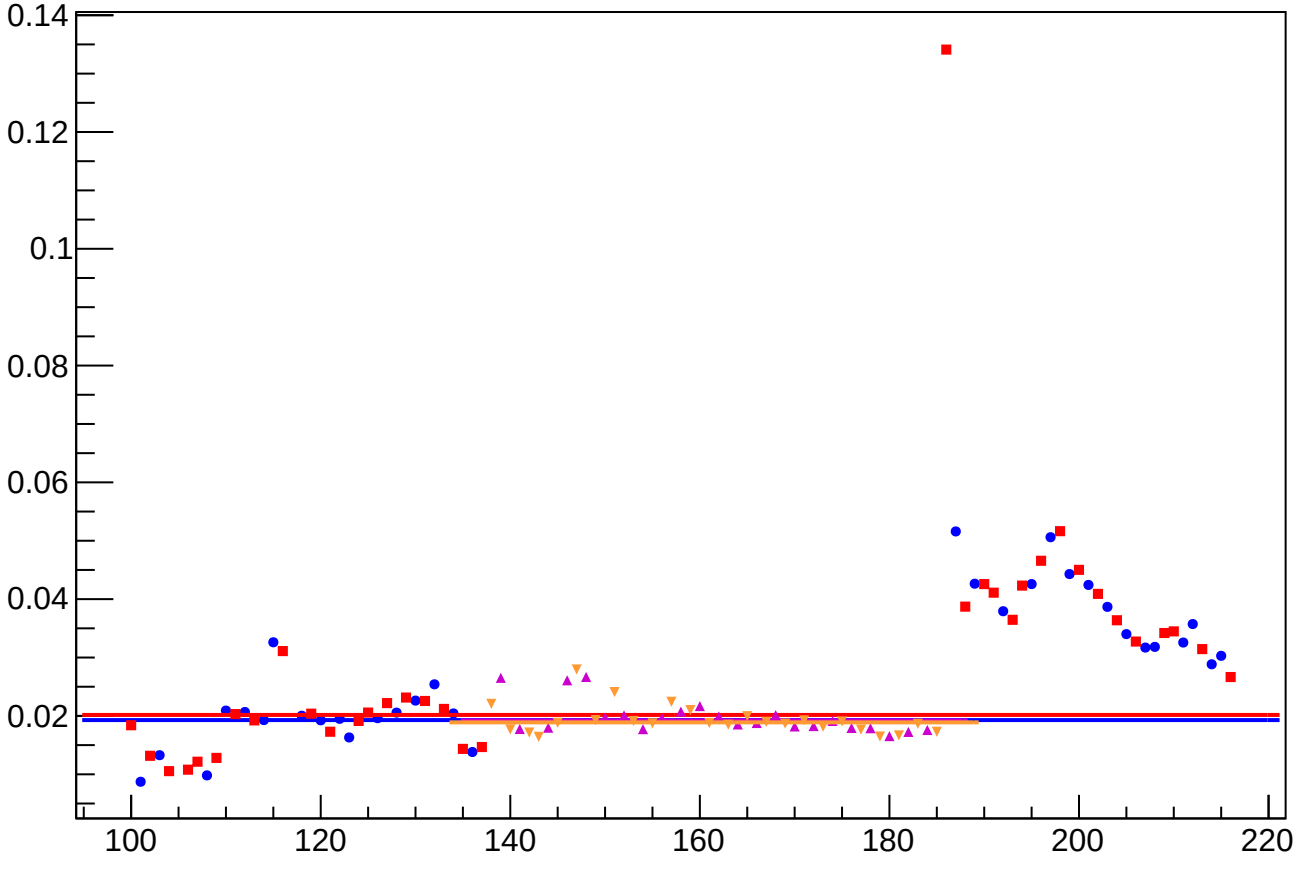
Right: 10.299+/-0.000 χ^2/NDF: 31508604994.4/66

In: 9.576+/-0.000 χ^2/NDF:53869408369.2/54

Out: 9.530+/-0.000 χ^2/NDF:53725333958.1/59

All: 9.553+/-0.000 χ^2/NDF: 107674832777.0

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 7520458.7/31

Left Out: 0.019+/-0.000 χ^2/NDF:428169.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7279201.1/34

Left In: 0.019+/-0.000 χ^2/NDF:481824.0/22

Left: 0.019+/-0.000 χ^2/NDF: 914799.6/47

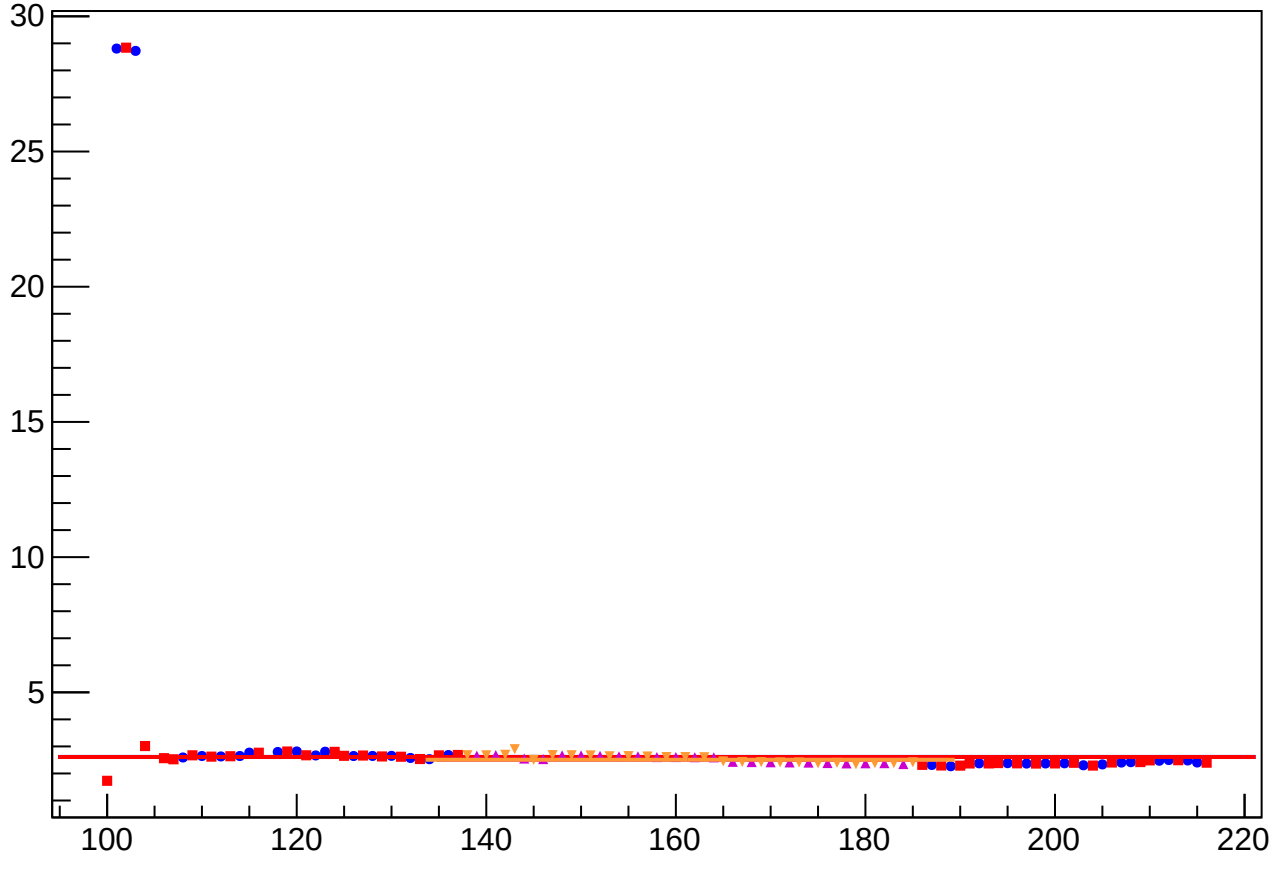
Right: 0.020+/-0.000 χ^2/NDF: 14825415.9/66

In: 0.019+/-0.000 χ^2/NDF:8002429.3/54

Out: 0.019+/-0.000 χ^2/NDF:7769472.8/59

All: 0.019+/-0.000 χ^2/NDF: 15774040.0/114

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.612+/-0.000 χ^2/NDF: 183257700508.2/31

Left Out: 2.507+/-0.000 χ^2/NDF:64277969186.7/24

Right Out: 2.609+/-0.000 χ^2/NDF: 92292203257.8/34

Left In: 2.505+/-0.000 χ^2/NDF:42893630742.5/22

Left: 2.506+/-0.000 χ^2/NDF: 107174595641.7/47

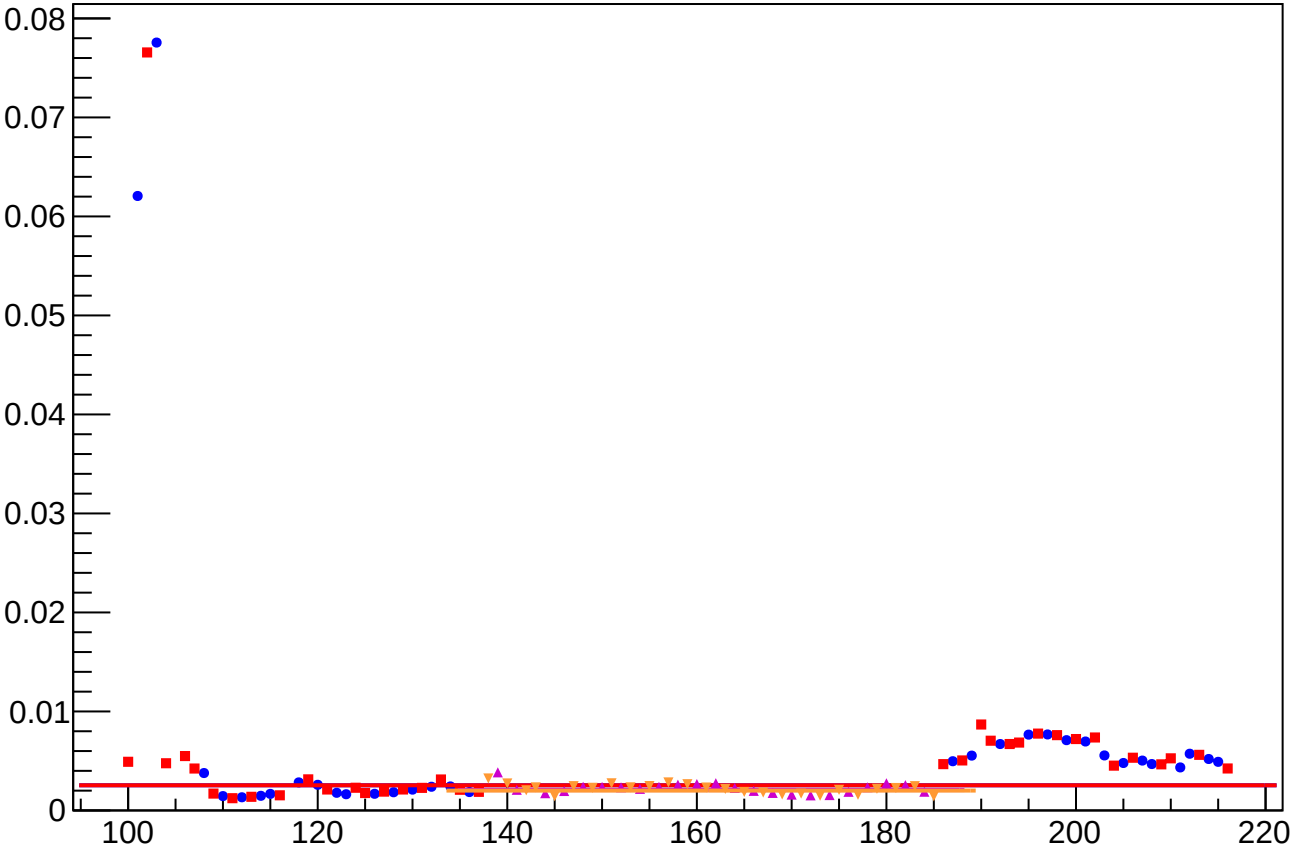
Right: 2.610+/-0.000 χ^2/NDF: 275556708561.4/66

In: 2.541+/-0.000 χ^2/NDF:238686230072.3/54

Out: 2.539+/-0.000 χ^2/NDF:168811028496.2/59

All: 2.540+/-0.000 χ^2/NDF: 407503850958.0

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10550851.7/31

Left Out: 0.002+/-0.000 χ^2/NDF:1469103.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10515877.7/34

Left In: 0.002+/-0.000 χ^2/NDF:1303230.9/22

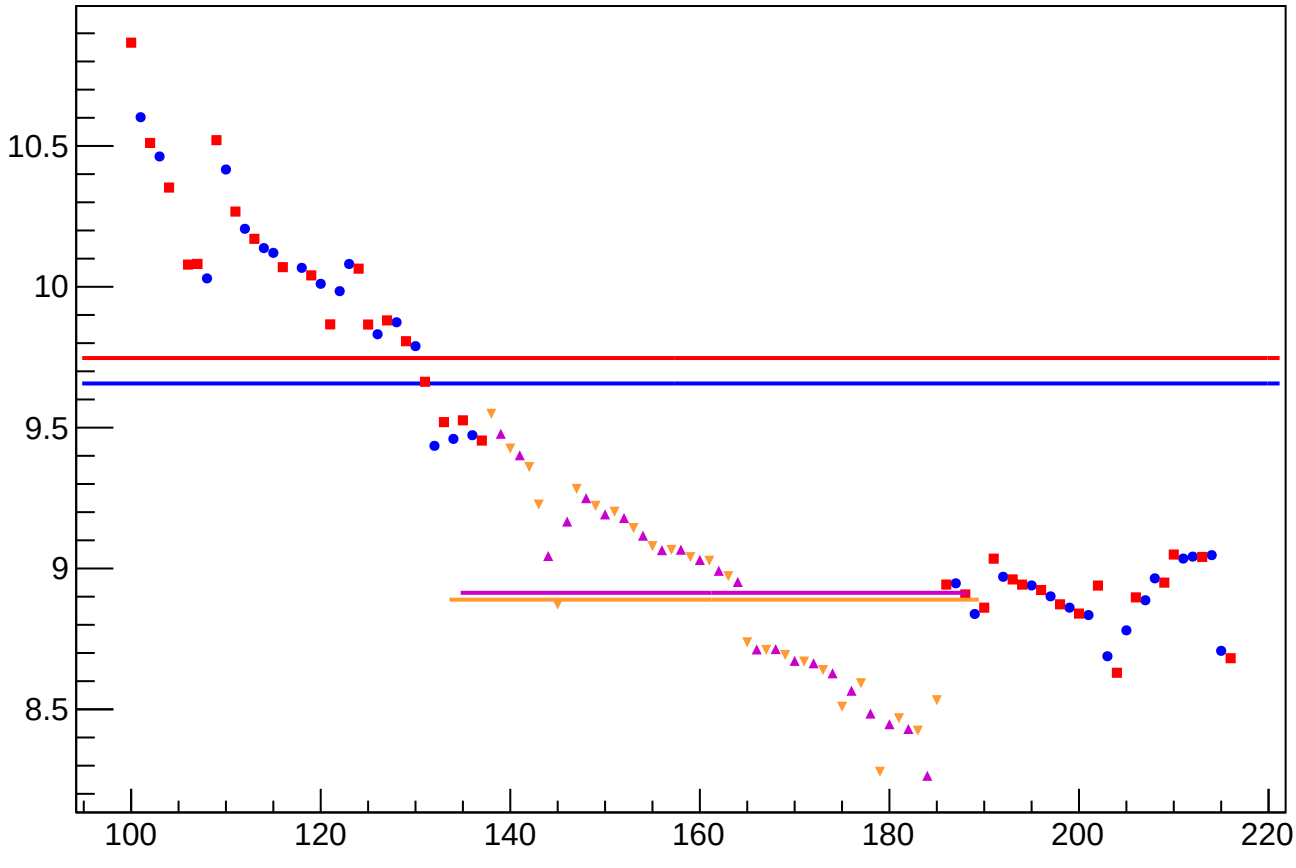
Left: 0.002+/-0.000 χ^2/NDF: 2781893.0/47

Right: 0.003+/-0.000 χ^2/NDF: 21066729.7/66

In: 0.002+/-0.000 χ^2/NDF:12371807.5/54

Out: 0.002+/-0.000 χ^2/NDF:12656807.4/59

All: 0.002+/-0.000 χ^2/NDF: 25038154.6/114



Right In: 9.657+/-0.000 χ^2/NDF: 85058672175.4/31

Left Out: 8.889+/-0.000 χ^2/NDF:34704694045.9/24

Right Out: 9.747+/-0.000 χ^2/NDF: 92327269226.2/34

Left In: 8.914+/-0.000 χ^2/NDF:28497227562.7/22

Left: 8.901+/-0.000 χ^2/NDF: 63312247922.6/47

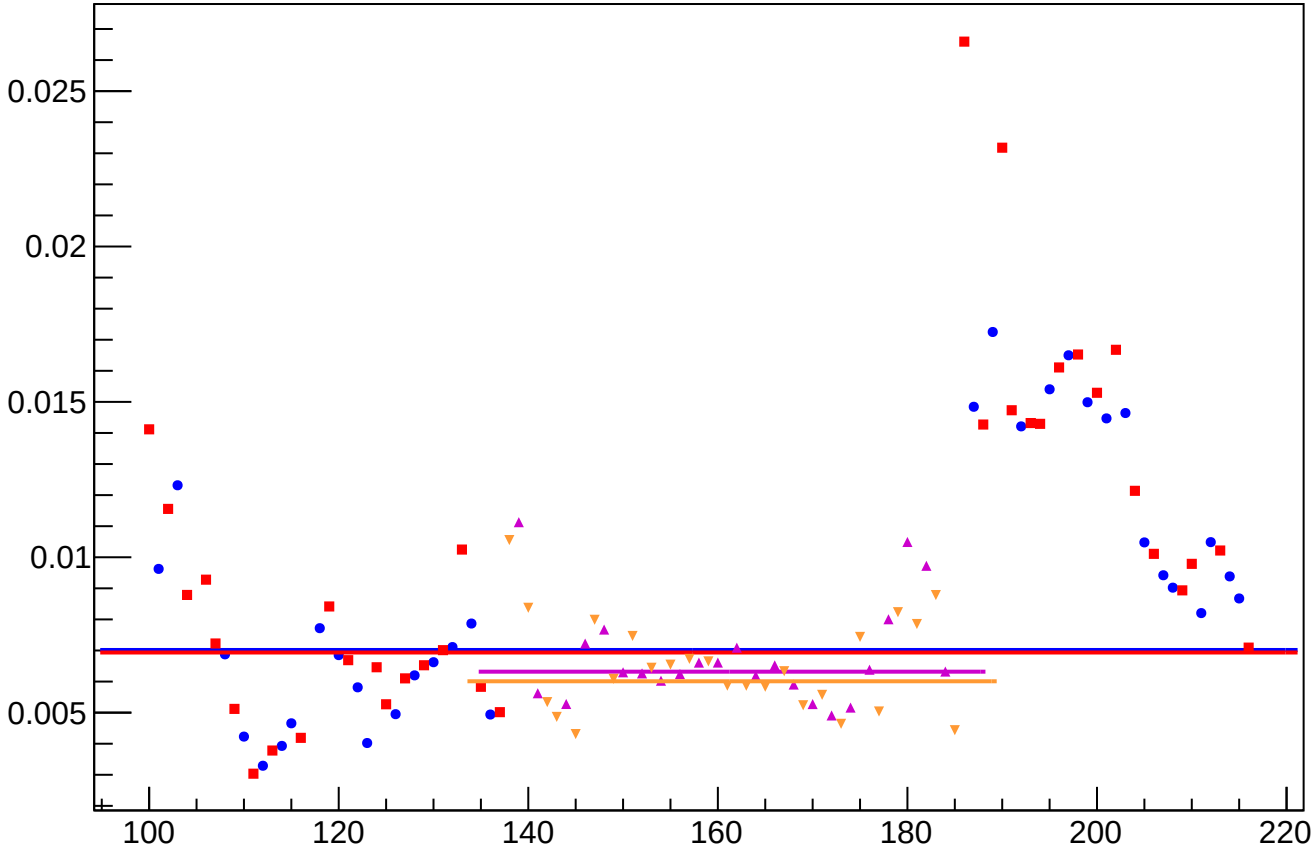
Right: 9.702+/-0.000 χ^2/NDF: 178459207362.7/66

In: 9.232+/-0.000 χ^2/NDF:196025069901.1/54

Out: 9.230+/-0.000 χ^2/NDF:244516475184.7/59

All: 9.231+/-0.000 χ^2/NDF: 440544180483.2

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6093376.6/31

Left Out: 0.006+/-0.000 χ^2/NDF:1312525.9/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7551523.5/34

Left In: 0.006+/-0.000 χ^2/NDF:1087051.3/22

Left: 0.006+/-0.000 χ^2/NDF: 2435218.5/47

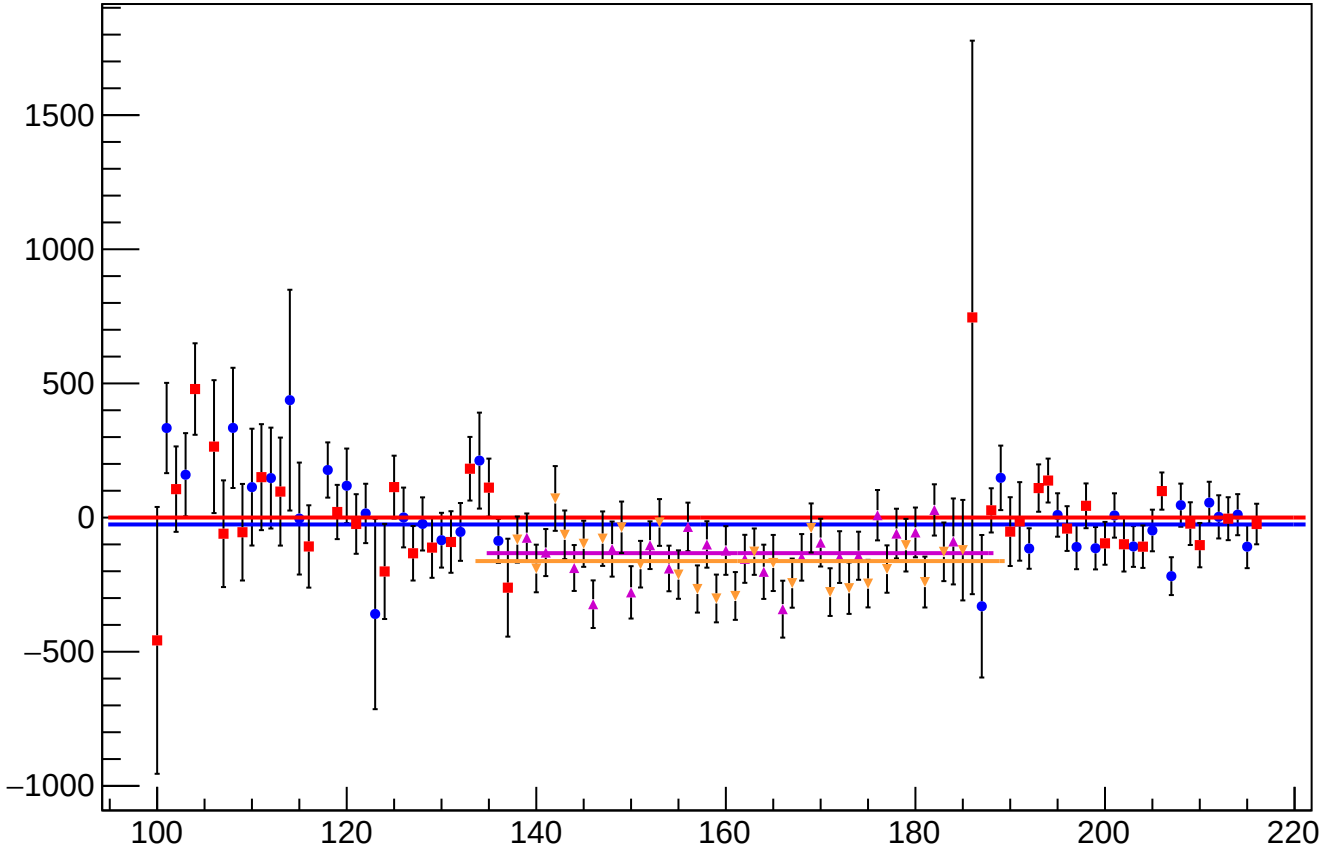
Right: 0.007+/-0.000 χ^2/NDF: 13646639.4/66

In: 0.007+/-0.000 χ^2/NDF:7326048.6/54

Out: 0.006+/-0.000 χ^2/NDF:9137812.9/59

All: 0.006+/-0.000 χ^2/NDF: 16500945.6/114

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -25.669+/-17.787 χ^2/NDF: 39.3/31

Left Out: -162.161+/-18.745 χ^2/NDF:25.7/24

Right Out: 0.191+/-18.128 χ^2/NDF: 36.7/34

Left In: -132.557+/-19.403 χ^2/NDF:20.7/22

Left: -147.870+/-13.481 χ^2/NDF: 47.6/47

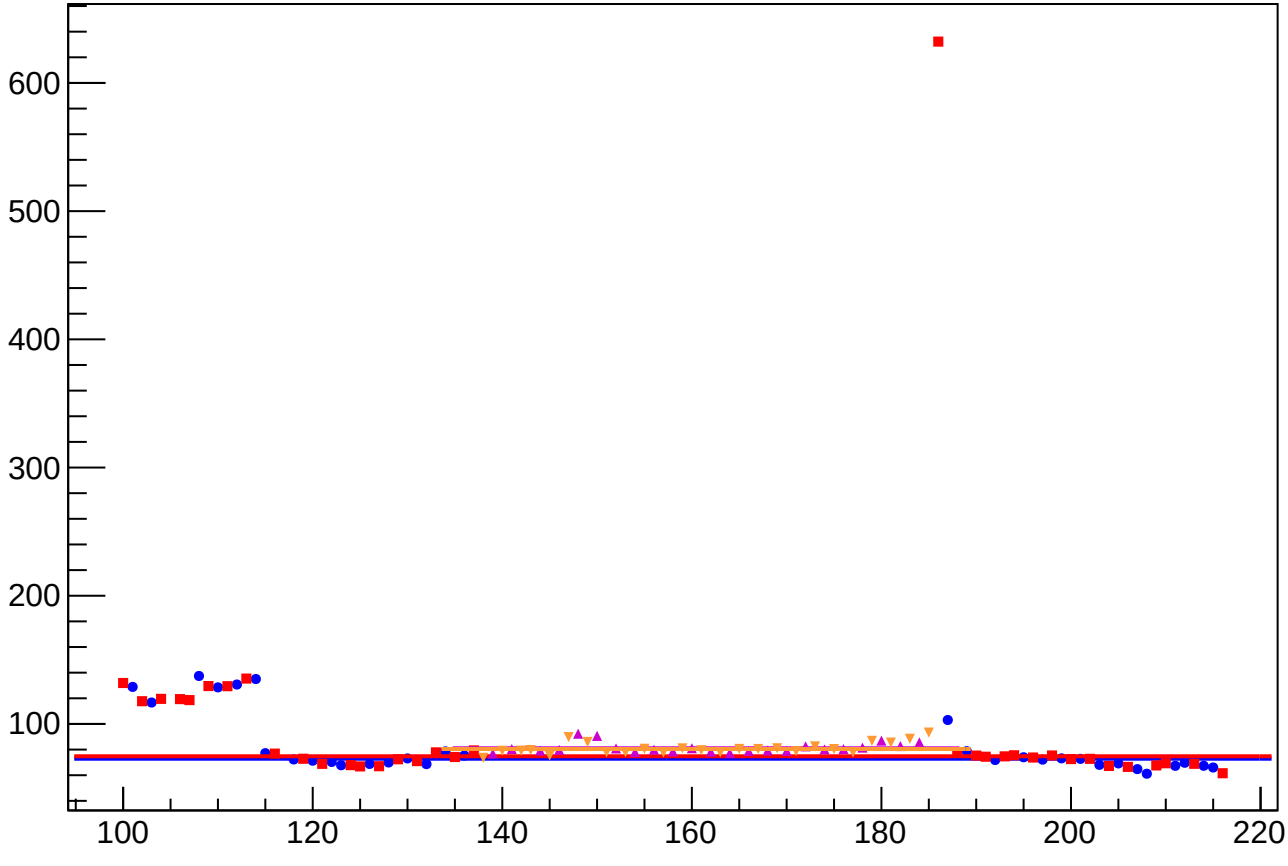
Right: -12.985+/-12.696 χ^2/NDF: 77.1/66

In: -74.478+/-13.112 χ^2/NDF:76.6/54

Out: -78.272+/-13.031 χ^2/NDF:101.1/59

All: -76.387+/-9.243 χ^2/NDF: 177.7/114

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 72.882+/-0.013 χ^2/NDF: 1078429.3/31

Left Out: 80.459+/-0.013 χ^2/NDF:89942.2/24

Right Out: 74.783+/-0.013 χ^2/NDF: 1761030.1/34

Left In: 81.014+/-0.014 χ^2/NDF:72250.2/22

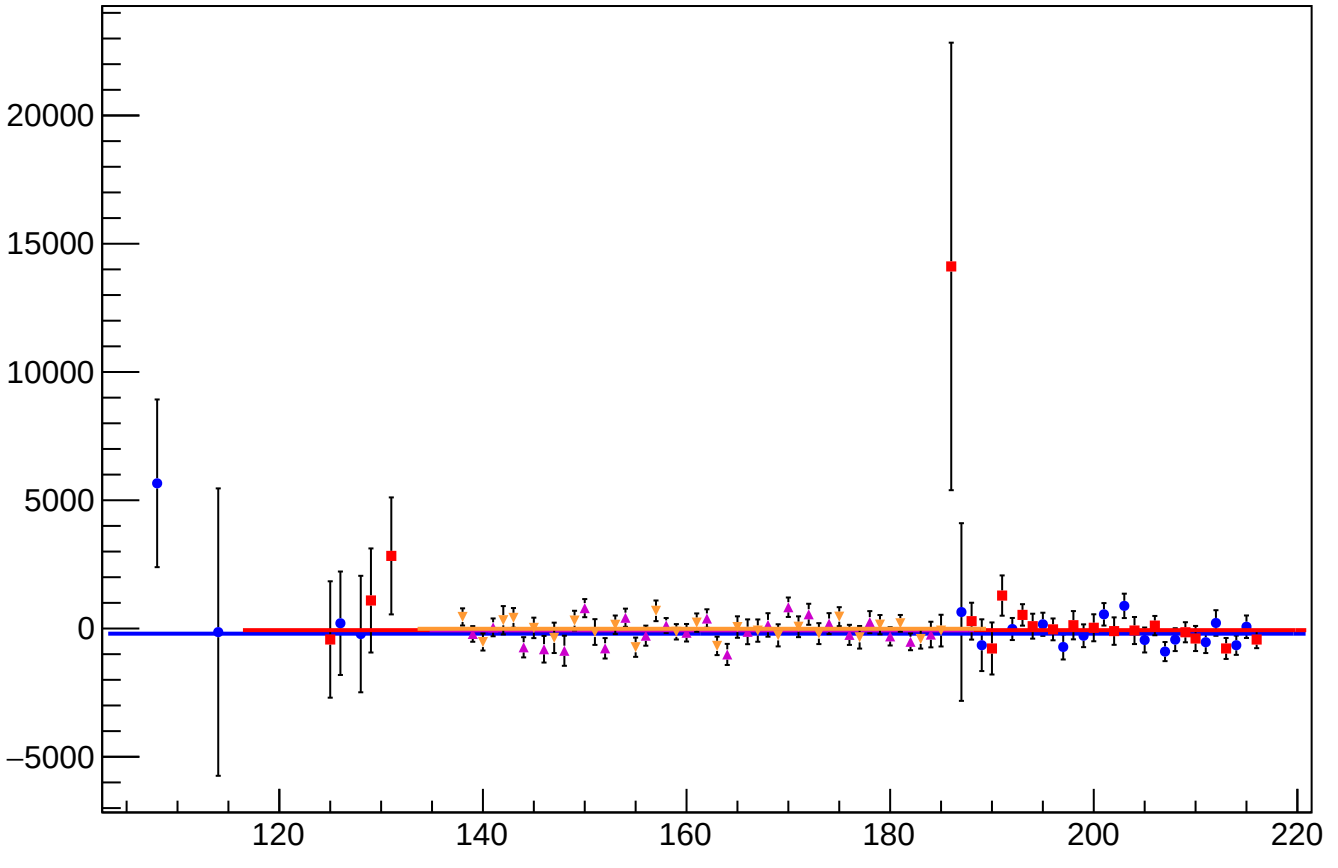
Left: 80.727+/-0.010 χ^2/NDF: 163039.2/47

Right: 73.814+/-0.009 χ^2/NDF: 2850663.7/66

In: 76.595+/-0.009 χ^2/NDF:1341570.9/54

Out: 77.526+/-0.009 χ^2/NDF:1945732.4/59

All: 77.063+/-0.007 χ^2/NDF: 3292372.9/114



Right In: -200.977+/-120.171 χ^2/NDF: 20.9/18

Left Out: -10.486+/-78.391 χ^2/NDF:22.5/24

Right Out: -63.587+/-121.991 χ^2/NDF: 15.5/18

Left In: -64.591+/-80.047 χ^2/NDF:37.4/22

Left: -36.973+/-56.007 χ^2/NDF: 60.2/47

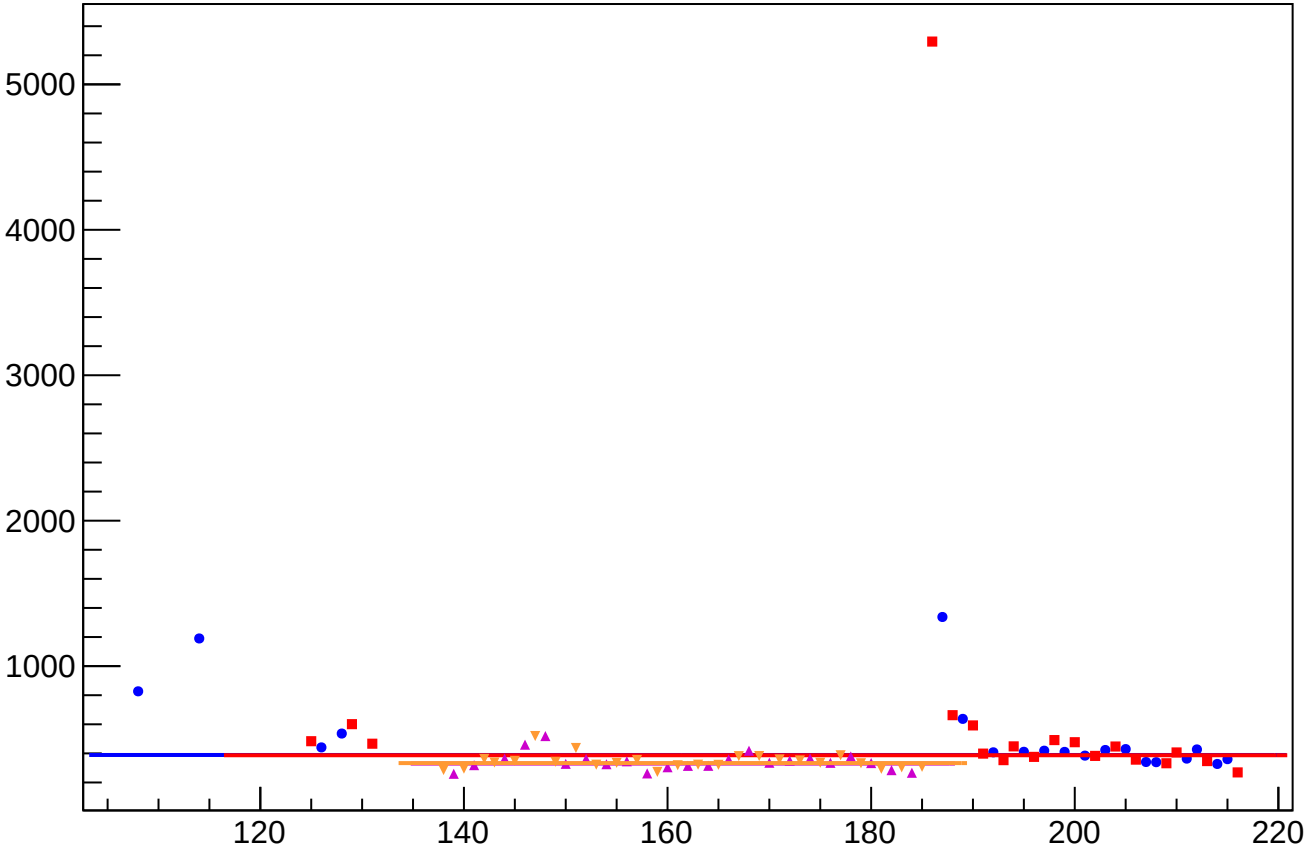
Right: -133.314+/-85.610 χ^2/NDF: 37.0/37

In: -106.507+/-66.620 χ^2/NDF:59.2/41

Out: -26.005+/-65.949 χ^2/NDF:38.2/43

All: -65.848+/-46.868 χ^2/NDF: 98.1/85

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 389.068+/-0.085 χ^2/NDF: 541911.0/18

Left Out: 333.233+/-0.055 χ^2/NDF:592122.2/24

Right Out: 387.242+/-0.086 χ^2/NDF: 1558899.9/18

Left In: 329.985+/-0.057 χ^2/NDF:795969.0/22

Left: 331.643+/-0.040 χ^2/NDF: 1389771.8/47

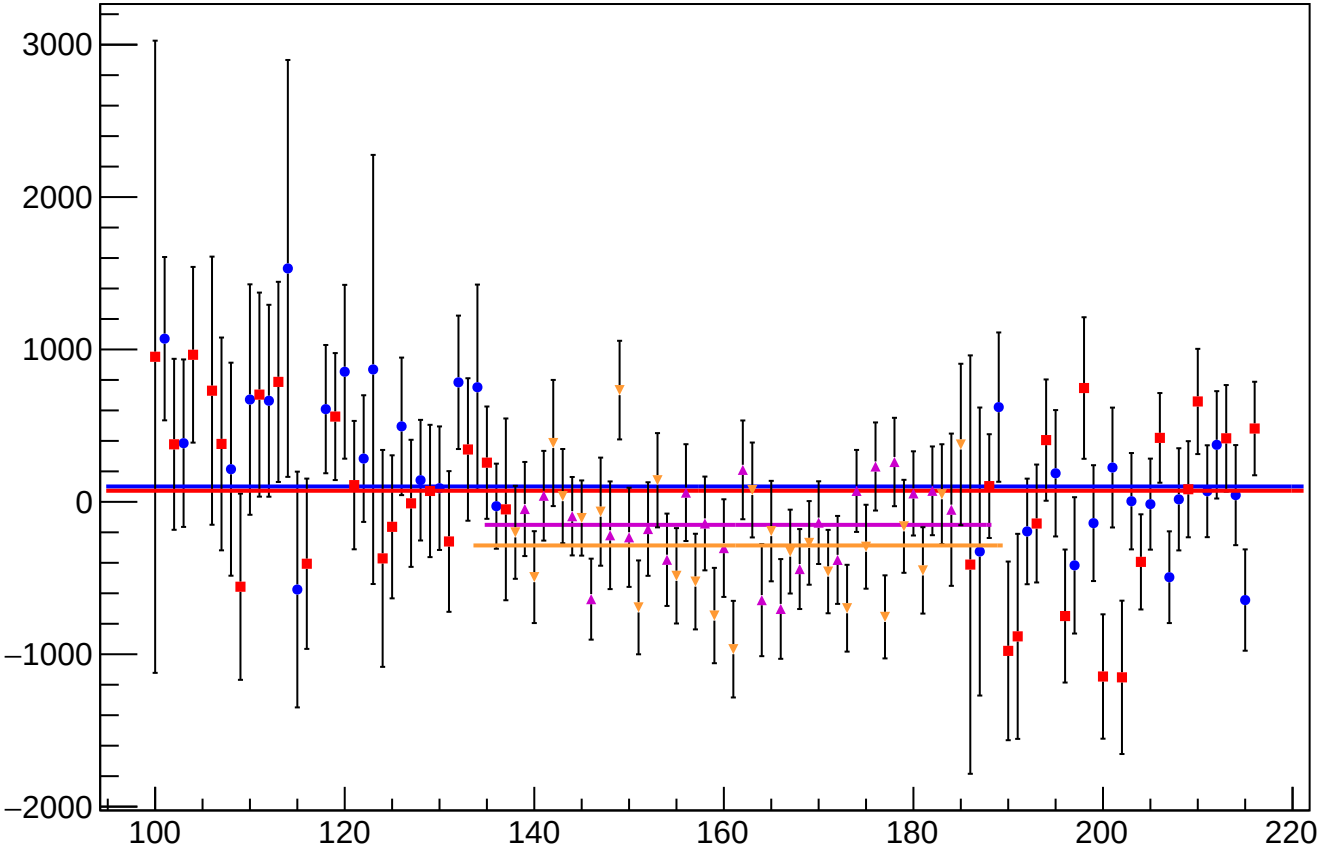
Right: 388.169+/-0.061 χ^2/NDF: 2101038.4/37

In: 348.144+/-0.047 χ^2/NDF:1672753.2/41

Out: 349.017+/-0.047 χ^2/NDF:2428468.8/43

All: 348.585+/-0.033 χ^2/NDF: 4101395.7/85

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 100.900+/-73.657 χ^2/NDF: 28.7/31

Left Out: -286.030+/-61.095 χ^2/NDF:36.6/24

Right Out: 72.820+/-75.641 χ^2/NDF: 46.8/34

Left In: -150.920+/-62.818 χ^2/NDF:18.7/22

Left: -220.353+/-43.797 χ^2/NDF: 57.6/47

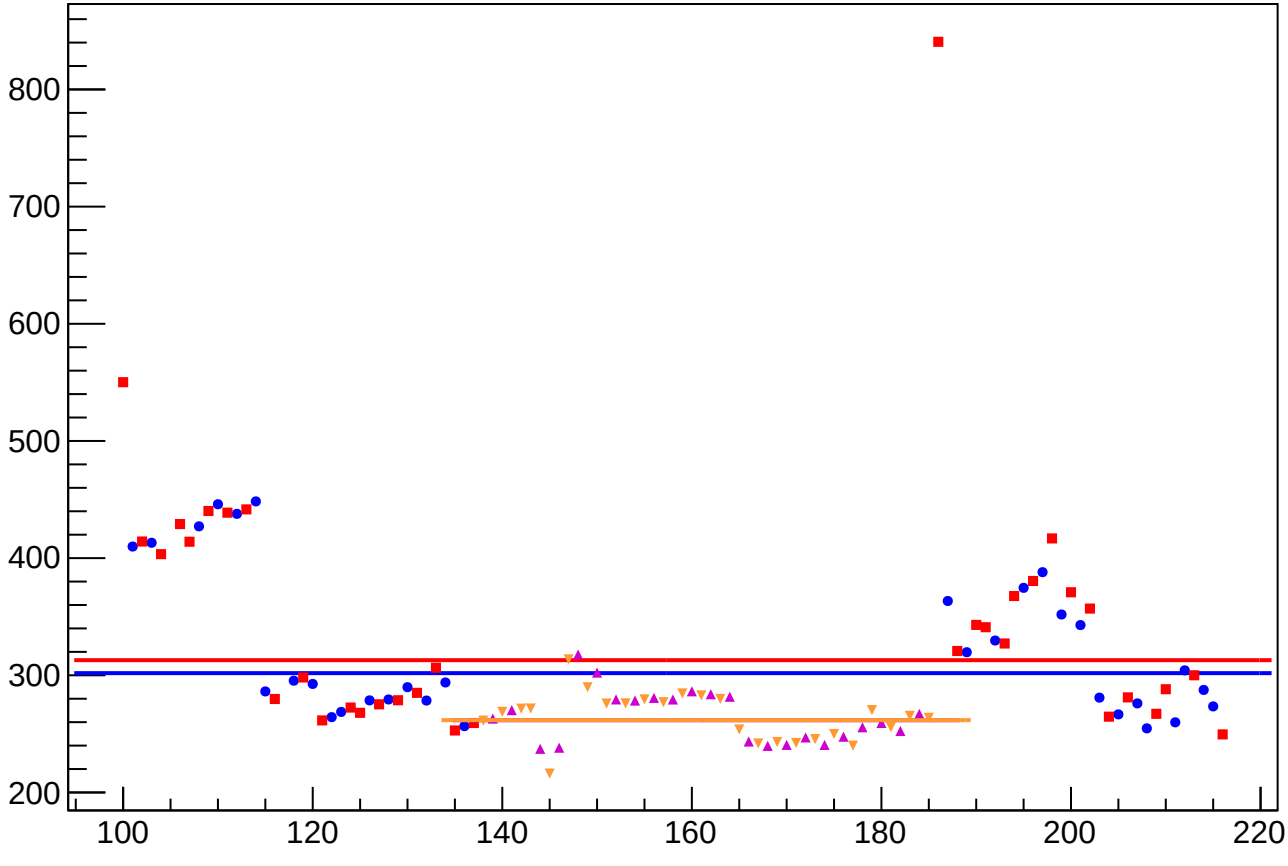
Right: 87.233+/-52.771 χ^2/NDF: 75.6/66

In: -44.884+/-47.796 χ^2/NDF:54.1/54

Out: -144.354+/-47.528 χ^2/NDF:97.0/59

All: -94.899+/-33.702 χ^2/NDF: 153.3/114

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 301.837+/-0.052 χ^2/NDF: 872125.8/31

Left Out: 261.722+/-0.043 χ^2/NDF:233222.6/24

Right Out: 312.905+/-0.053 χ^2/NDF: 1382666.4/34

Left In: 261.637+/-0.044 χ^2/NDF:228241.3/22

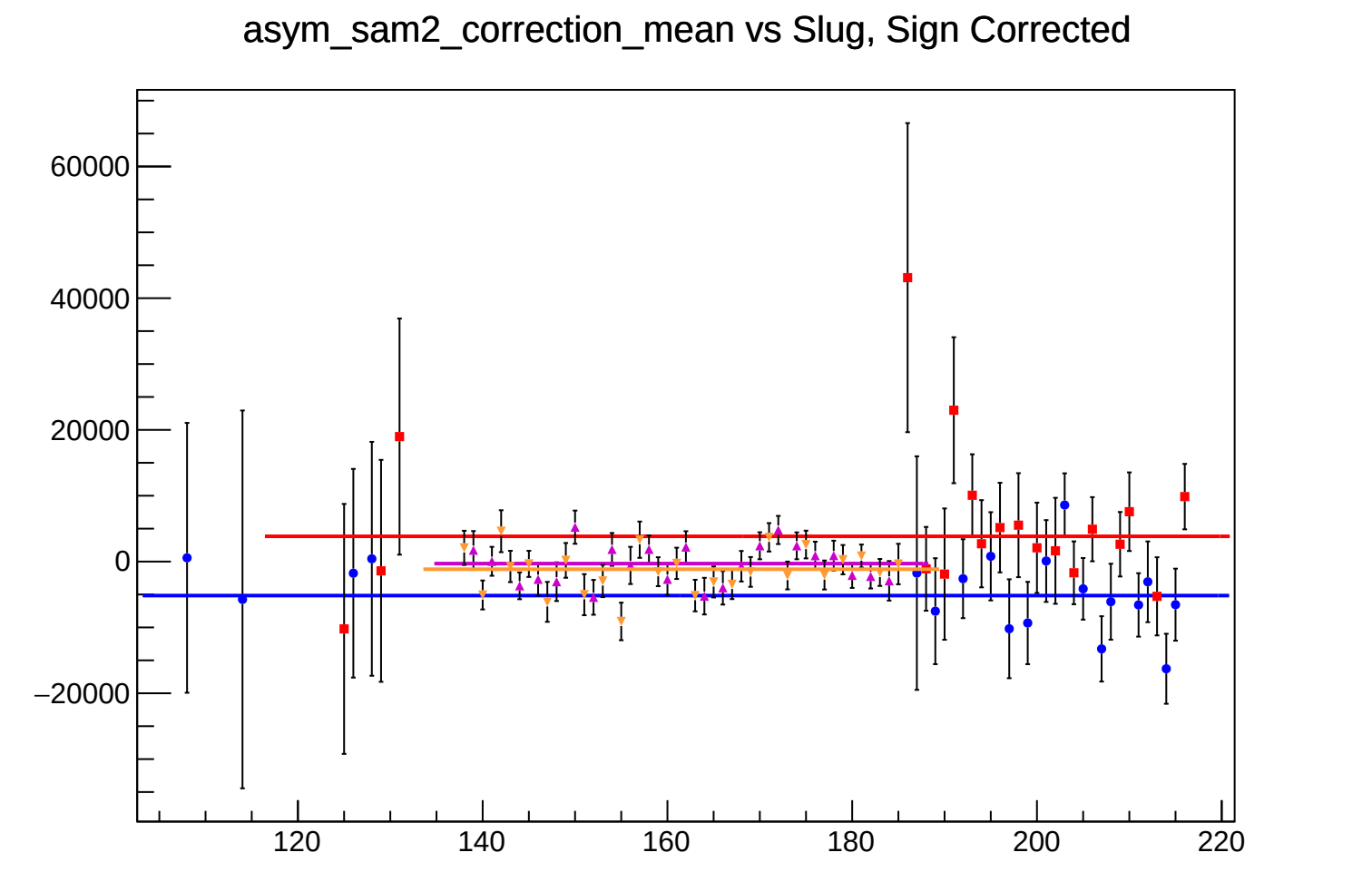
Left: 261.680+/-0.031 χ^2/NDF: 461465.7/47

Right: 307.224+/-0.037 χ^2/NDF: 2276772.6/66

In: 278.564+/-0.034 χ^2/NDF:1445263.4/54

Out: 281.929+/-0.034 χ^2/NDF:2170096.1/59

All: 280.256+/-0.024 χ^2/NDF: 3620344.7/114



Right In: -5164.167+/-1496.132 χ^2/NDF: 18.5/18

Left Out: -1161.443+/-469.036 χ^2/NDF:38.8/24

Right Out: 3833.636+/-1577.563 χ^2/NDF: 15.0/18

Left In: -304.366+/-483.778 χ^2/NDF:35.4/22

Left: -746.162+/-336.750 χ^2/NDF: 75.7/47

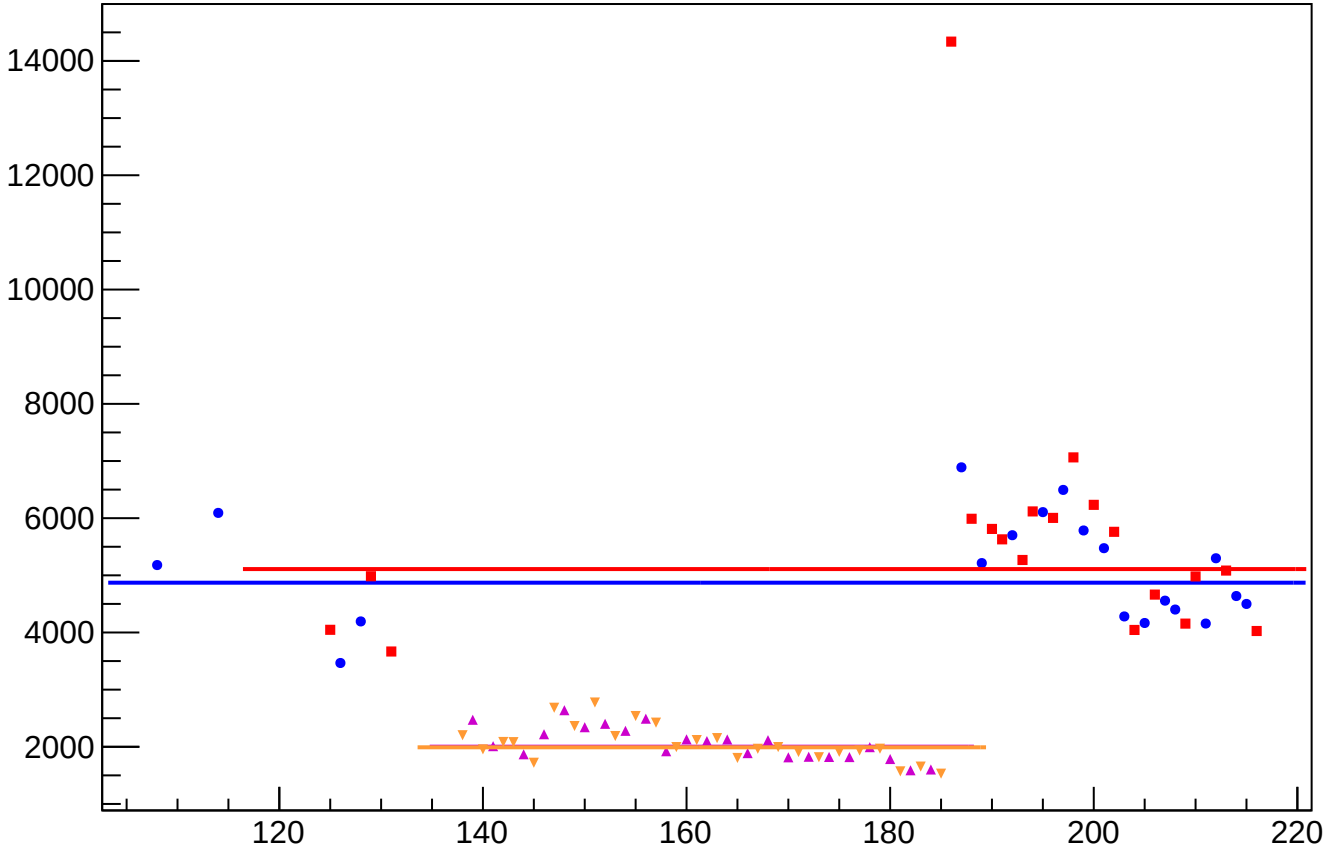
Right: -903.476+/-1085.571 χ^2/NDF: 50.6/37

In: -764.393+/-460.312 χ^2/NDF:63.4/41

Out: -755.752+/-449.586 χ^2/NDF:63.0/43

All: -759.971+/-321.630 χ^2/NDF: 126.4/85

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 4871.195+/-1.058 χ^2/NDF: 477311.9/18

Left Out: 1991.105+/-0.332 χ^2/NDF:726310.6/24

Right Out: 5109.559+/-1.116 χ^2/NDF: 941207.4/18

Left In: 2002.154+/-0.342 χ^2/NDF:585947.4/22

Left: 1996.458+/-0.238 χ^2/NDF: 1312795.7/47

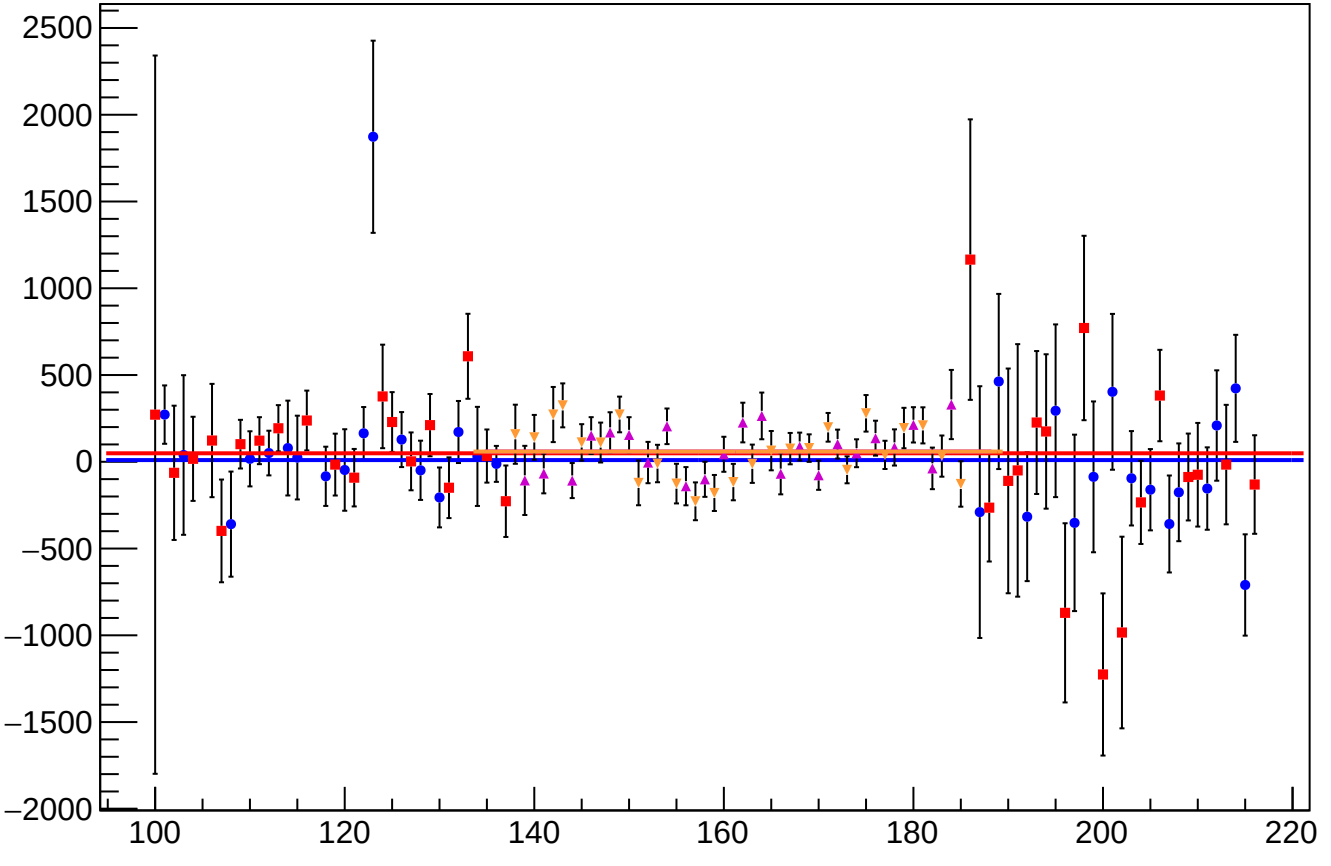
Right: 4984.066+/-0.768 χ^2/NDF: 1442558.4/37

In: 2273.736+/-0.325 χ^2/NDF:7721748.2/41

Out: 2244.379+/-0.318 χ^2/NDF:8847908.5/43

All: 2258.712+/-0.227 χ^2/NDF: 16573820.0/8

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.827+/-38.821 χ^2/NDF: 34.9/31

Left Out: 58.983+/-21.137 χ^2/NDF:46.9/24

Right Out: 49.001+/-38.994 χ^2/NDF: 40.7/34

Left In: 59.235+/-21.921 χ^2/NDF:29.4/22

Left: 59.104+/-15.216 χ^2/NDF: 76.3/47

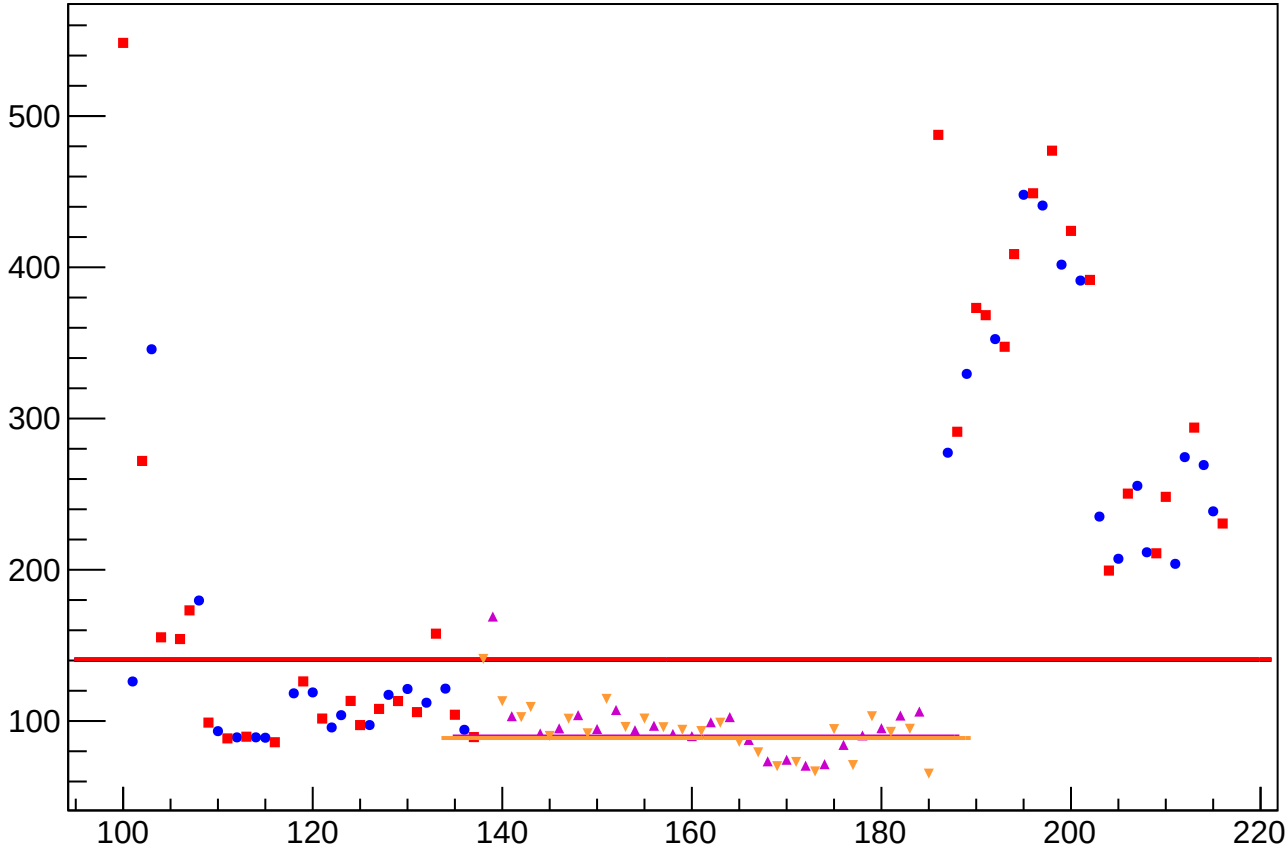
Right: 29.327+/-27.512 χ^2/NDF: 76.1/66

In: 47.290+/-19.088 χ^2/NDF:65.5/54

Out: 56.716+/-18.583 χ^2/NDF:87.7/59

All: 52.129+/-13.315 χ^2/NDF: 153.3/114

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 140.373+/-0.027 χ^2/NDF: 7761200.0/31

Left Out: 88.748+/-0.015 χ^2/NDF:1079338.8/24

Right Out: 140.980+/-0.028 χ^2/NDF: 8697238.4/34

Left In: 89.766+/-0.016 χ^2/NDF:885818.0/22

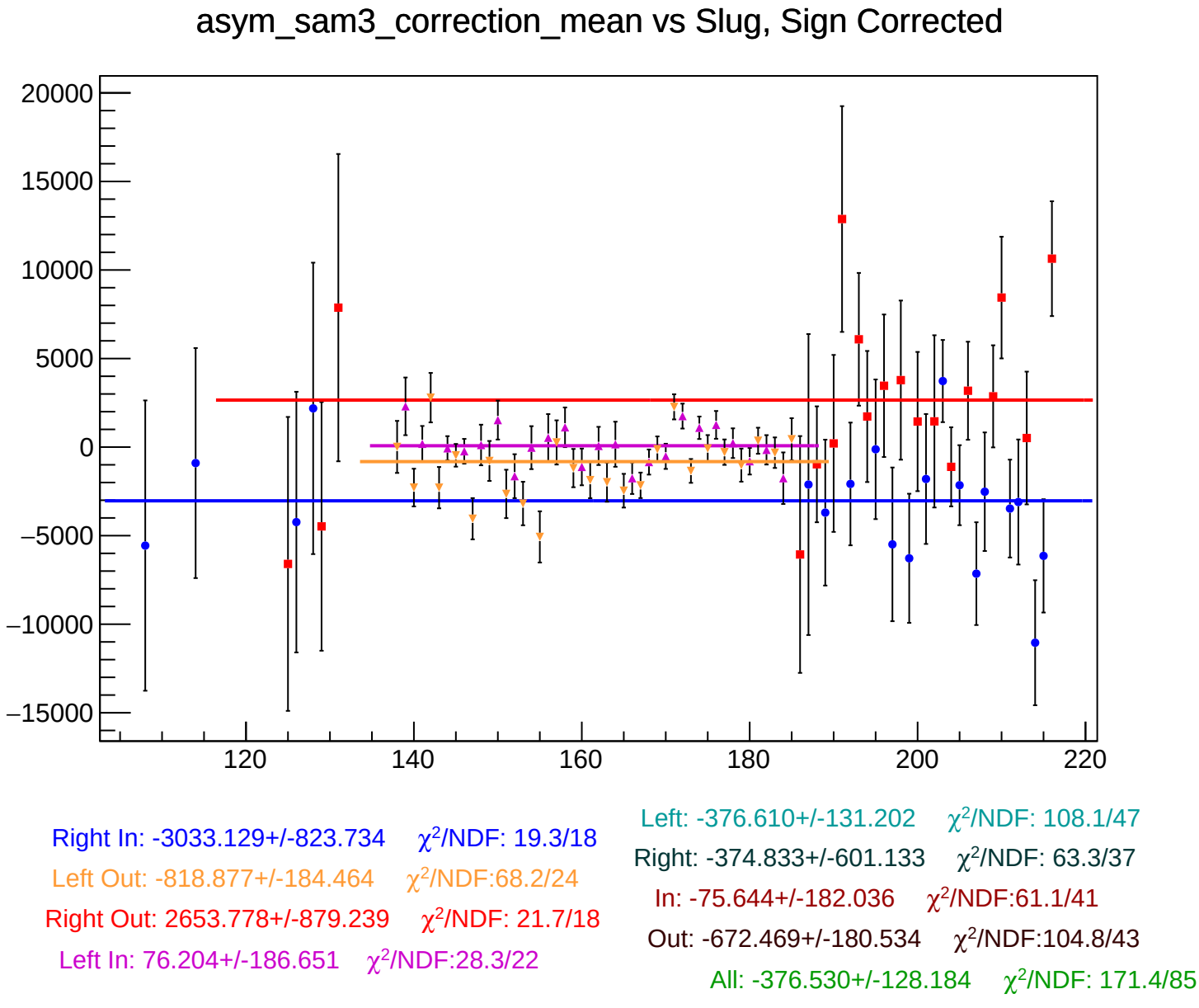
Left: 89.238+/-0.011 χ^2/NDF: 1967390.0/47

Right: 140.675+/-0.019 χ^2/NDF: 16458681.8/66

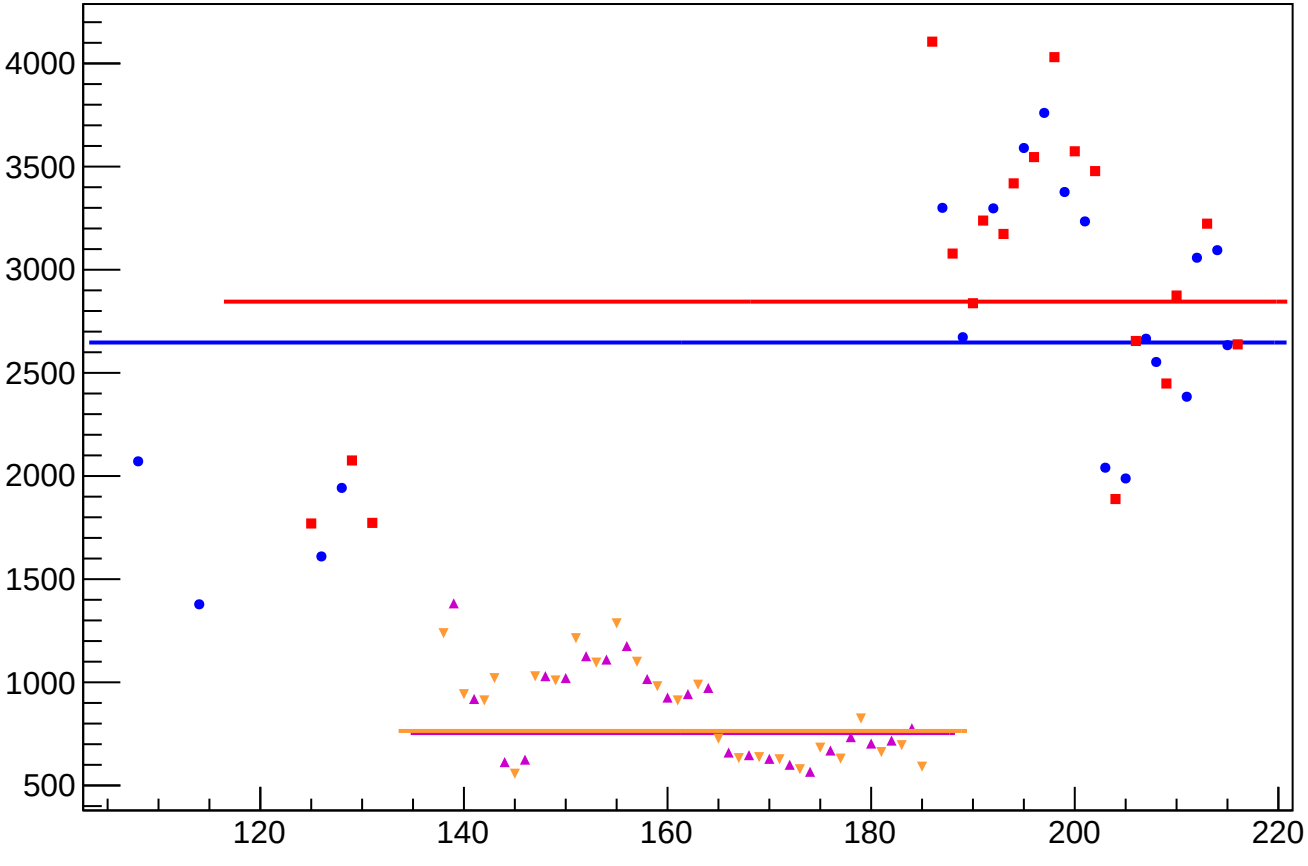
In: 102.001+/-0.013 χ^2/NDF:11224088.9/54

Out: 100.610+/-0.013 χ^2/NDF:12550054.2/59

All: 101.287+/-0.009 χ^2/NDF: 23779593.1/11


asym_sam3_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
120
140
160
180
200
220
Right In: -3033.129+/-823.734 χ²/NDF: 19.3/18
Left Out: -818.877+/-184.464 χ²/NDF:68.2/24
Right Out: 2653.778+/-879.239 χ²/NDF: 21.7/18
Left In: 76.204+/-186.651 χ²/NDF:28.3/22
Left: -376.610+/-131.202 χ²/NDF: 108.1/47
Right: -374.833+/-601.133 χ²/NDF: 63.3/37
In: -75.644+/-182.036 χ²/NDF:61.1/41
Out: -672.469+/-180.534 χ²/NDF:104.8/43
All: -376.530+/-128.184 χ²/NDF: 171.4/85

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 2647.238+/-0.582 χ^2/NDF: 986281.0/18

Left Out: 764.280+/-0.130 χ^2/NDF:2315985.8/24

Right Out: 2845.372+/-0.622 χ^2/NDF: 986372.2/18

Left In: 754.027+/-0.132 χ^2/NDF:2013386.7/22

Left: 759.214+/-0.093 χ^2/NDF: 4332425.4/47

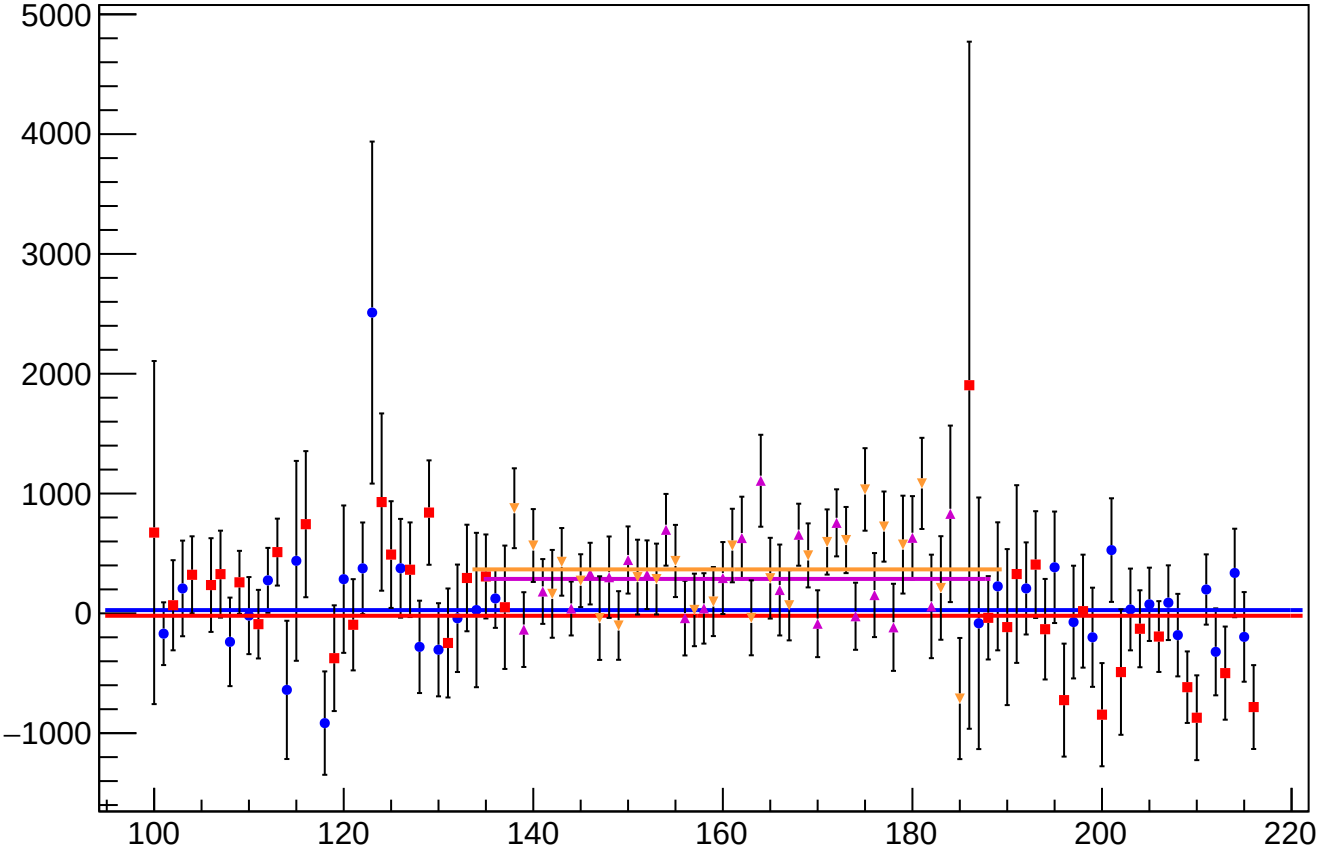
Right: 2739.854+/-0.425 χ^2/NDF: 2026741.3/37

In: 846.484+/-0.129 χ^2/NDF:13048356.9/41

Out: 852.019+/-0.128 χ^2/NDF:14034626.3/43

All: 849.274+/-0.091 χ^2/NDF: 27083915.5/85

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 27.062+/-67.781 χ^2/NDF: 20.2/31

Left Out: 367.028+/-61.943 χ^2/NDF:28.2/24

Right Out: -20.169+/-67.058 χ^2/NDF: 44.2/34

Left In: 287.246+/-64.141 χ^2/NDF:23.9/22

Left: 328.527+/-44.557 χ^2/NDF: 52.9/47

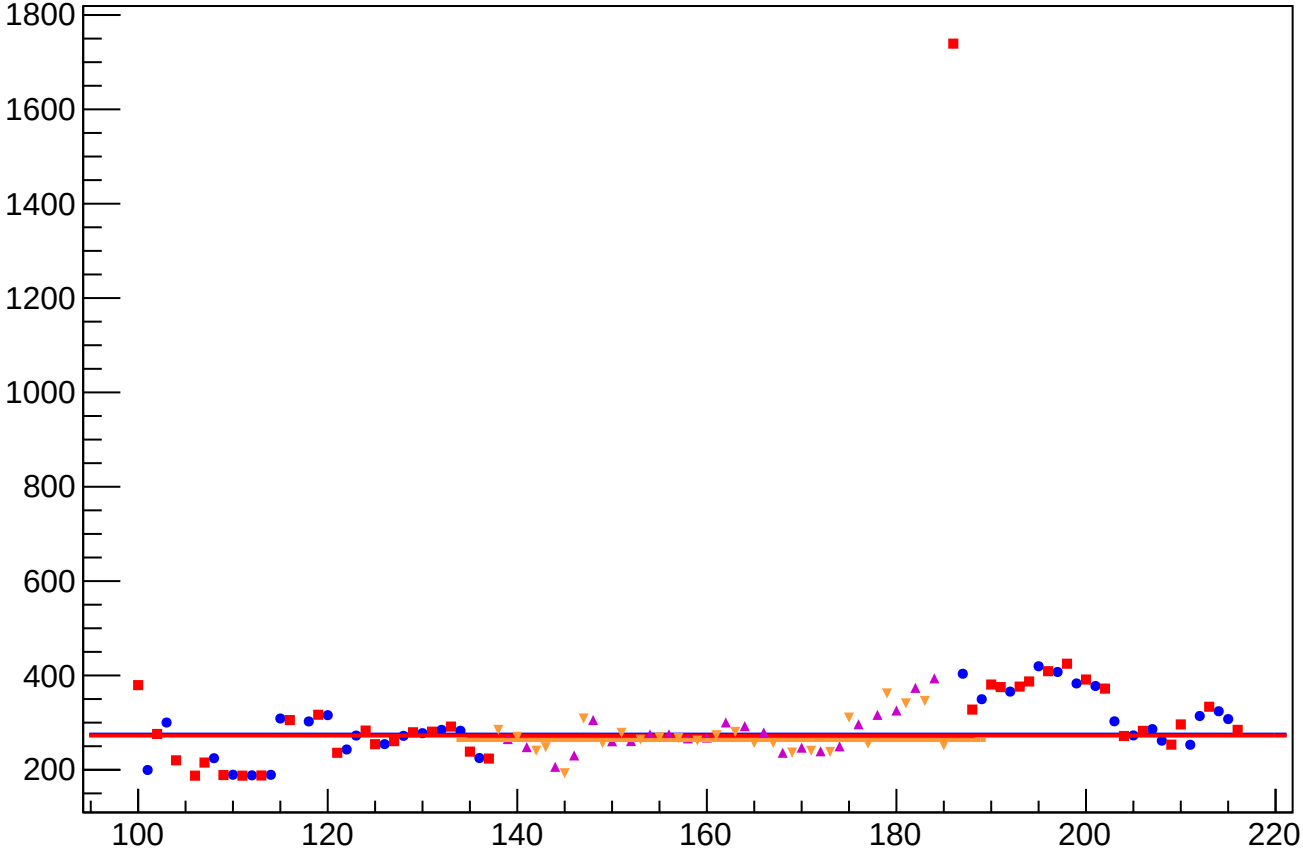
Right: 3.193+/-47.671 χ^2/NDF: 64.6/66

In: 164.329+/-46.588 χ^2/NDF:51.9/54

Out: 188.757+/-45.501 χ^2/NDF:90.4/59

All: 176.832+/-32.552 χ^2/NDF: 142.4/114

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 274.600+/-0.048 χ^2/NDF: 1609375.5/31

Left Out: 263.103+/-0.044 χ^2/NDF:642226.0/24

Right Out: 272.593+/-0.047 χ^2/NDF: 2459852.9/34

Left In: 264.923+/-0.045 χ^2/NDF:609024.7/22

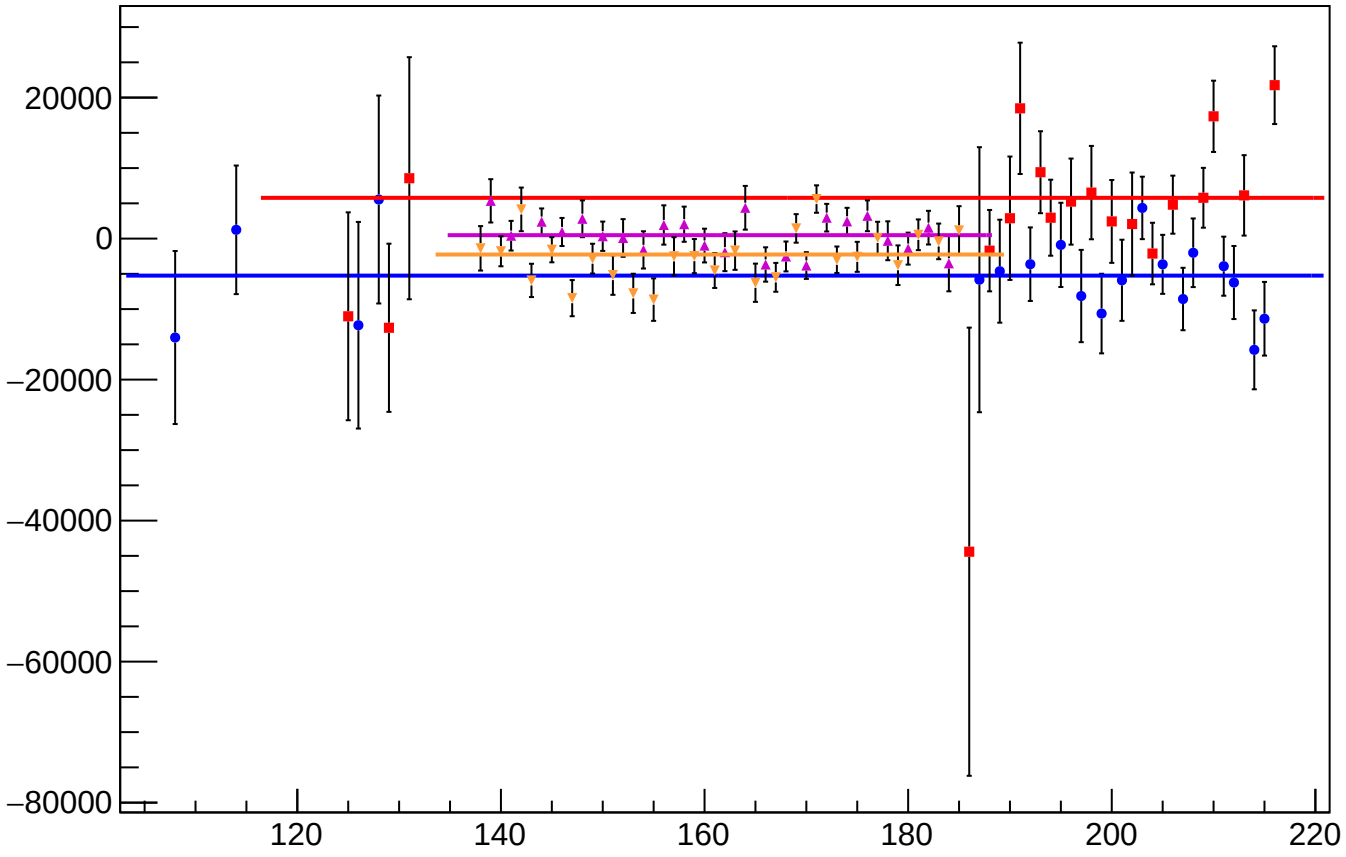
Left: 263.981+/-0.032 χ^2/NDF: 1252084.1/47

Right: 273.586+/-0.034 χ^2/NDF: 4070114.2/66

In: 269.495+/-0.033 χ^2/NDF:2239906.8/54

Out: 267.472+/-0.032 χ^2/NDF:3123694.4/59

All: 268.460+/-0.023 χ^2/NDF: 5365529.8/114



Right In: -5250.965+/-1332.376 χ^2/NDF: 14.4/18

Left Out: -2260.196+/-475.336 χ^2/NDF:52.3/24

Right Out: 5781.056+/-1411.890 χ^2/NDF: 28.1/18

Left In: 485.590+/-487.465 χ^2/NDF:24.8/22

Left: -921.890+/-340.321 χ^2/NDF: 93.4/47

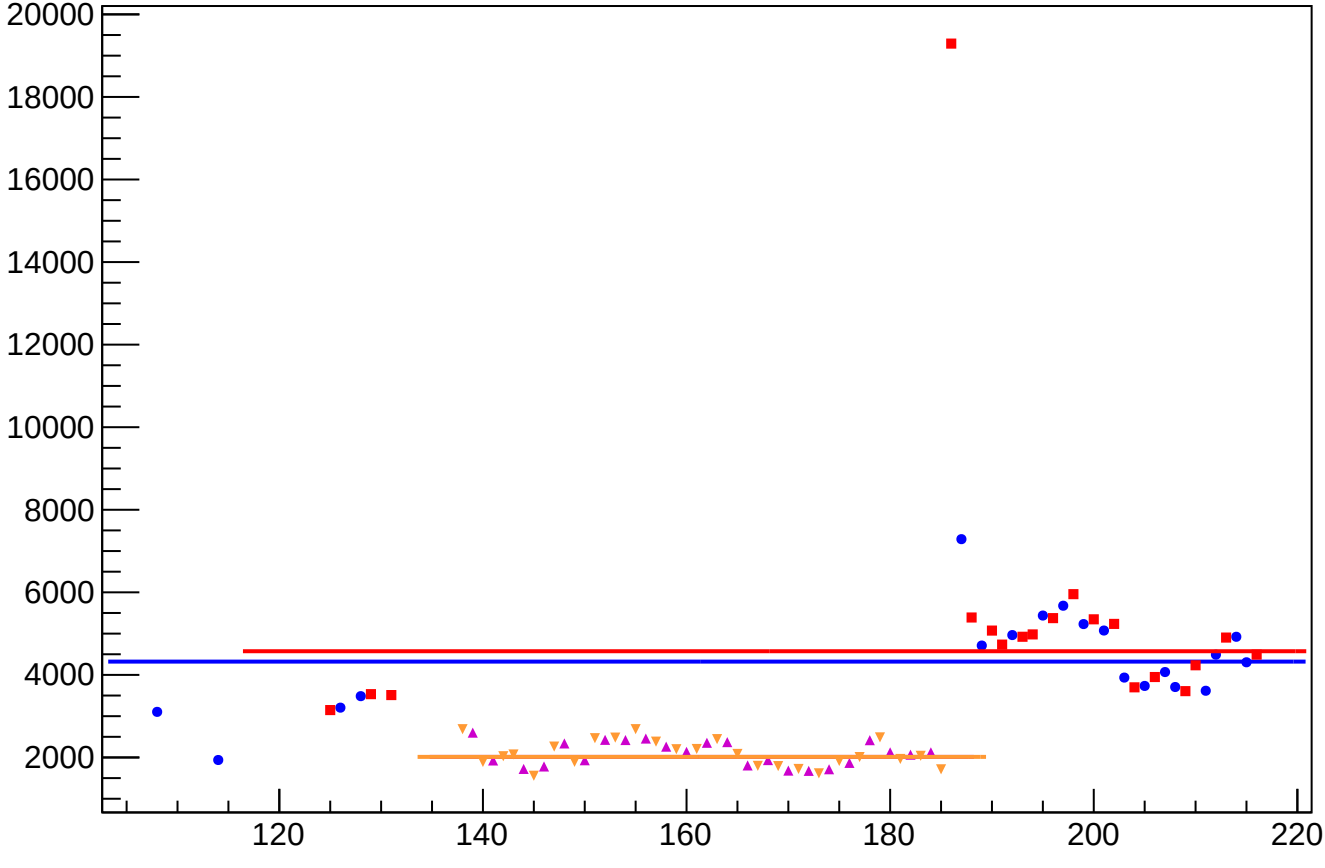
Right: -54.334+/-969.023 χ^2/NDF: 74.8/37

In: -191.627+/-457.789 χ^2/NDF:55.5/41

Out: -1441.556+/-450.490 χ^2/NDF:109.5/43

All: -826.634+/-321.094 χ^2/NDF: 168.9/85

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 4322.058+/-0.942 χ^2/NDF: 677074.0/18

Left Out: 2014.106+/-0.336 χ^2/NDF:835656.9/24

Right Out: 4573.376+/-0.998 χ^2/NDF: 955415.7/18

Left In: 2013.245+/-0.345 χ^2/NDF:662077.8/22

Left: 2013.686+/-0.241 χ^2/NDF: 1497737.9/47

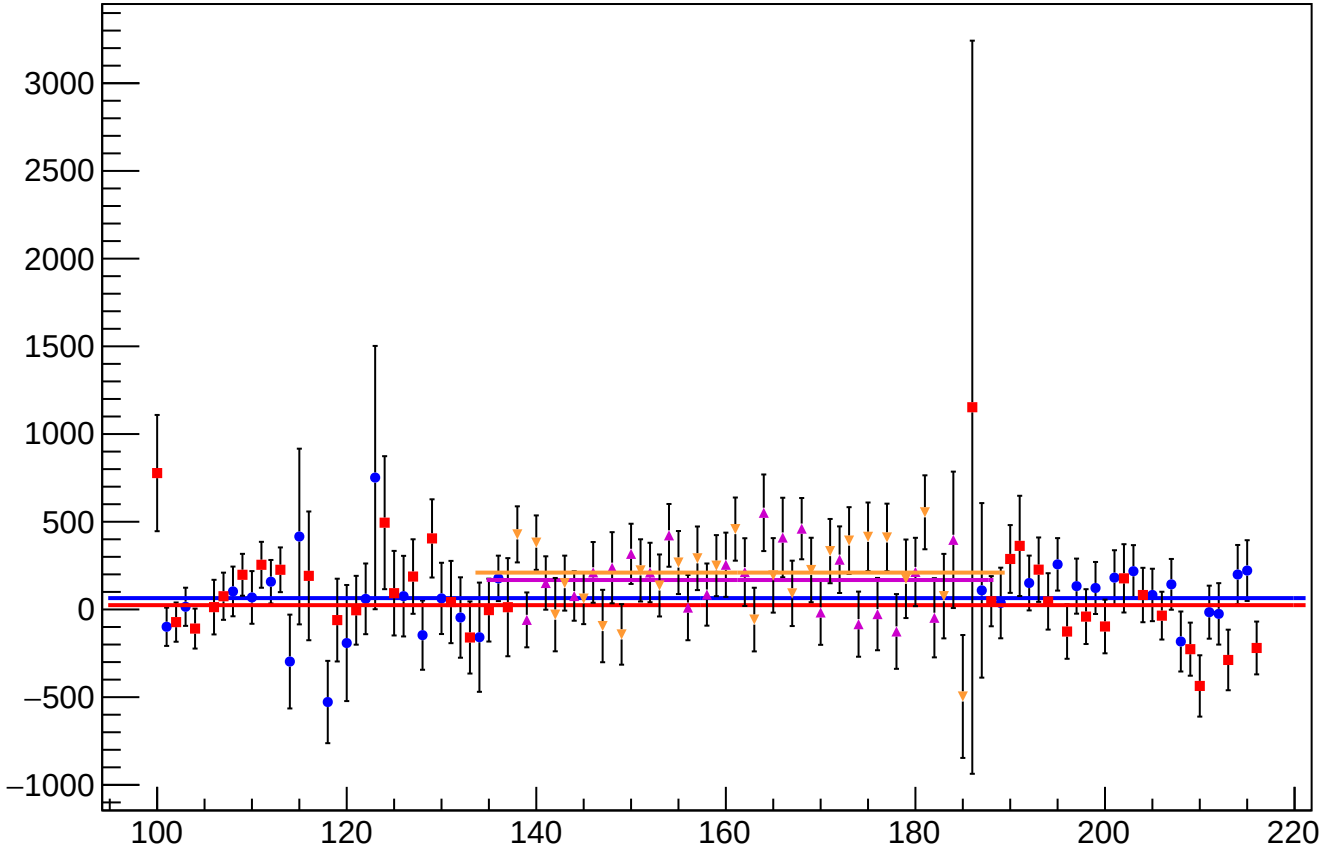
Right: 4440.441+/-0.685 χ^2/NDF: 1666008.5/37

In: 2285.807+/-0.324 χ^2/NDF:6635740.5/41

Out: 2274.652+/-0.319 χ^2/NDF:7693507.3/43

All: 2280.140+/-0.227 χ^2/NDF: 14329851.0/8

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.719+/-29.942 χ^2/NDF: 24.2/31

Left Out: 210.086+/-37.093 χ^2/NDF:27.5/24

Right Out: 24.539+/-28.703 χ^2/NDF: 44.5/34

Left In: 167.822+/-38.718 χ^2/NDF:21.1/22

Left: 189.859+/-26.785 χ^2/NDF: 49.3/47

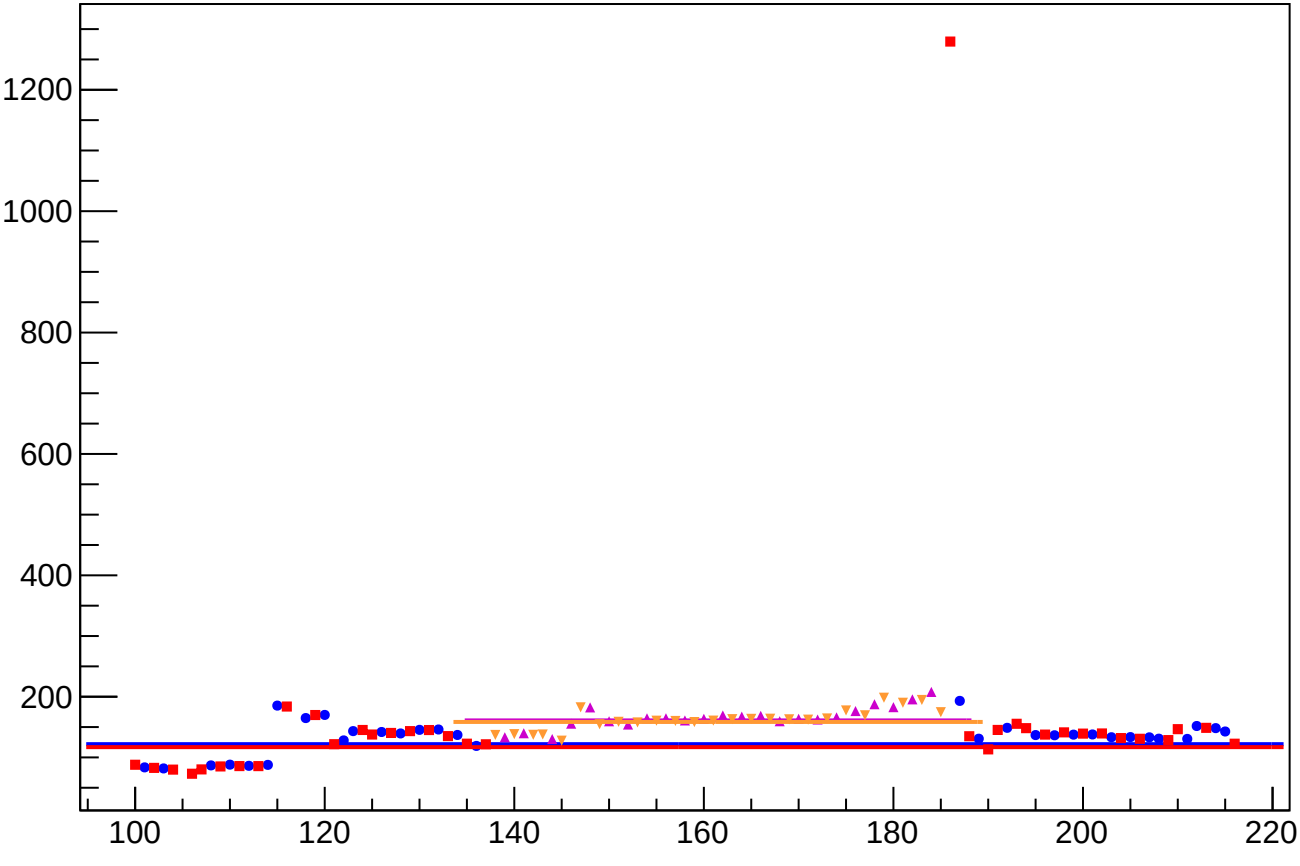
Right: 43.781+/-20.720 χ^2/NDF: 69.7/66

In: 103.304+/-23.686 χ^2/NDF:49.8/54

Out: 94.030+/-22.700 χ^2/NDF:87.7/59

All: 98.470+/-16.389 χ^2/NDF: 137.6/114

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.824+/-0.021 χ^2/NDF: 1538542.9/31

Left Out: 158.440+/-0.026 χ^2/NDF:434300.9/24

Right Out: 116.919+/-0.020 χ^2/NDF: 2556811.3/34

Left In: 160.947+/-0.027 χ^2/NDF:379713.4/22

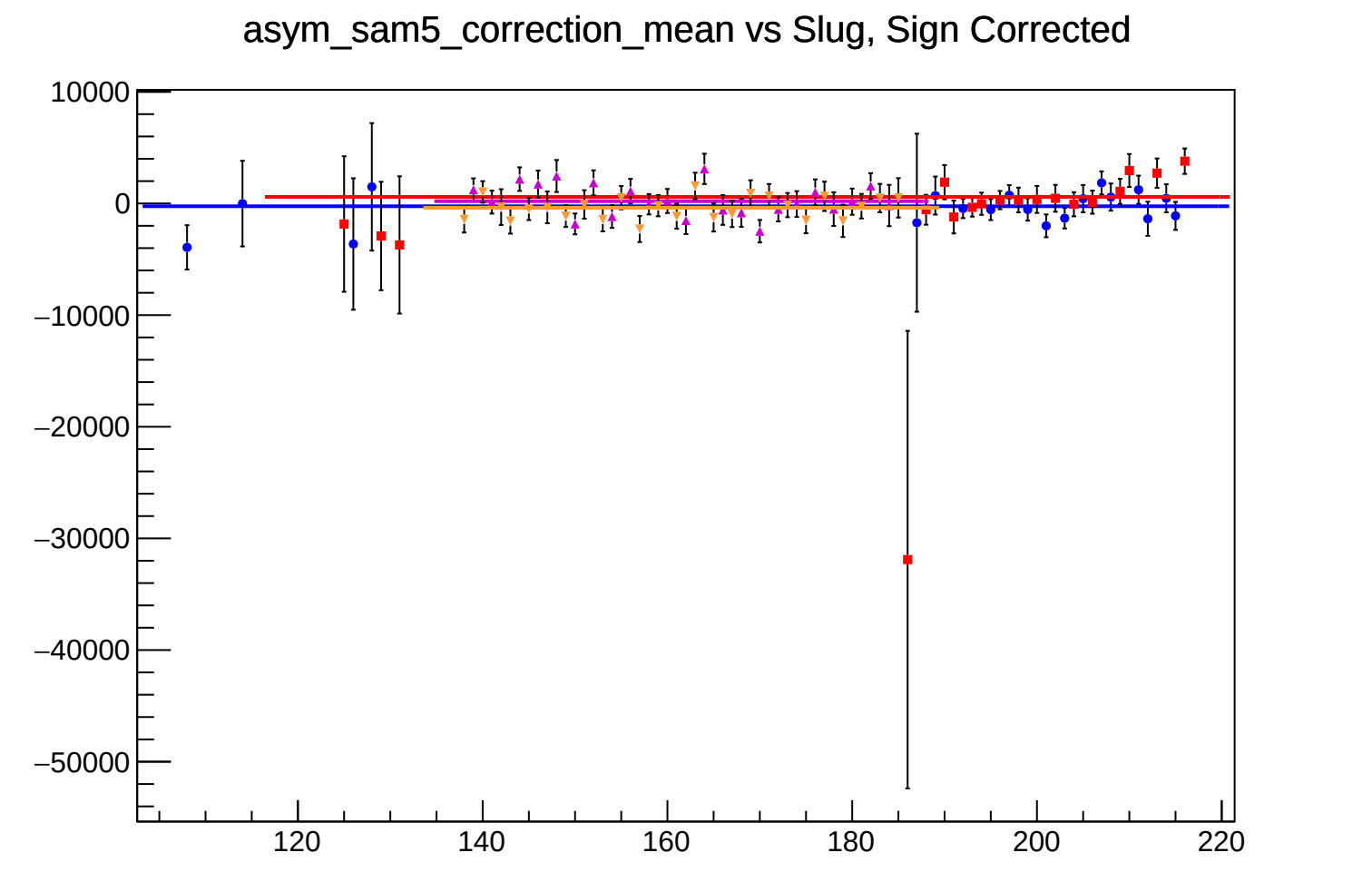
Left: 159.640+/-0.019 χ^2/NDF: 818385.9/47

Right: 119.268+/-0.015 χ^2/NDF: 4123323.8/66

In: 136.466+/-0.017 χ^2/NDF:3196110.2/54

Out: 132.470+/-0.016 χ^2/NDF:4558542.4/59

All: 134.383+/-0.012 χ^2/NDF: 7784324.3/114



Right In: -249.338+/-286.566 χ^2/NDF: 17.5/18

Left Out: -385.018+/-231.833 χ^2/NDF:18.1/24

Right Out: 587.006+/-287.748 χ^2/NDF: 22.4/18

Left In: 202.234+/-237.460 χ^2/NDF:35.5/22

Left: -98.432+/-165.884 χ^2/NDF: 56.7/47

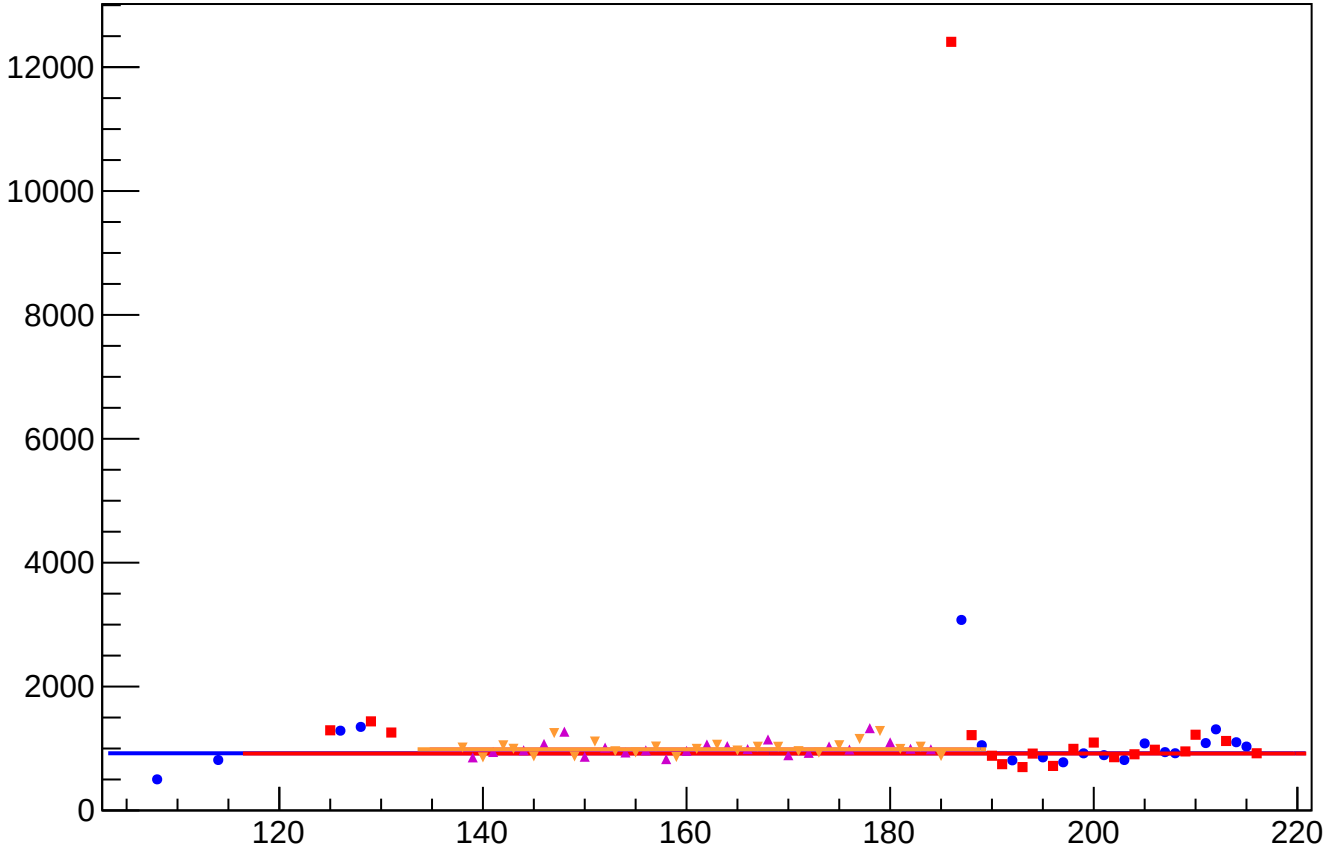
Right: 167.112+/-203.050 χ^2/NDF: 44.2/37

In: 18.396+/-182.843 χ^2/NDF:54.5/41

Out: -2.414+/-180.530 χ^2/NDF:47.4/43

All: 7.859+/-128.464 χ^2/NDF: 101.9/85

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 923.103+/-0.203 χ^2/NDF: 644875.5/18

Left Out: 987.869+/-0.164 χ^2/NDF:376958.5/24

Right Out: 918.907+/-0.203 χ^2/NDF: 1248790.0/18

Left In: 983.893+/-0.168 χ^2/NDF:416265.7/22

Left: 985.929+/-0.117 χ^2/NDF: 793511.2/47

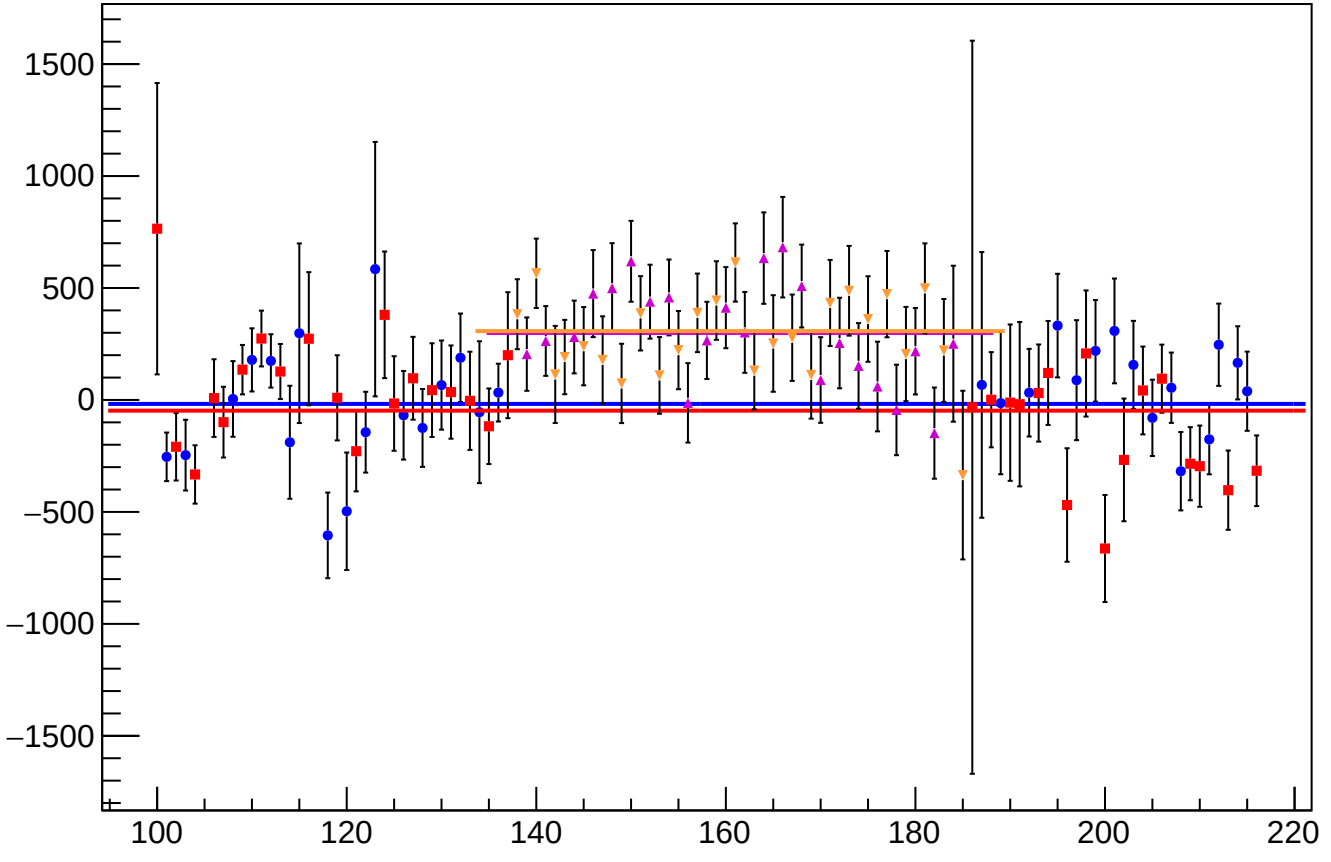
Right: 921.014+/-0.144 χ^2/NDF: 1893878.9/37

In: 959.145+/-0.129 χ^2/NDF:1114502.1/41

Out: 960.725+/-0.128 χ^2/NDF:1695405.3/43

All: 959.945+/-0.091 χ^2/NDF: 2809982.9/85

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -17.663+/-32.601 χ^2/NDF: 42.8/31

Left Out: 307.487+/-37.278 χ^2/NDF:20.7/24

Right Out: -47.710+/-31.847 χ^2/NDF: 49.3/34

Left In: 299.192+/-39.009 χ^2/NDF:28.5/22

Left: 303.528+/-26.951 χ^2/NDF: 49.3/47

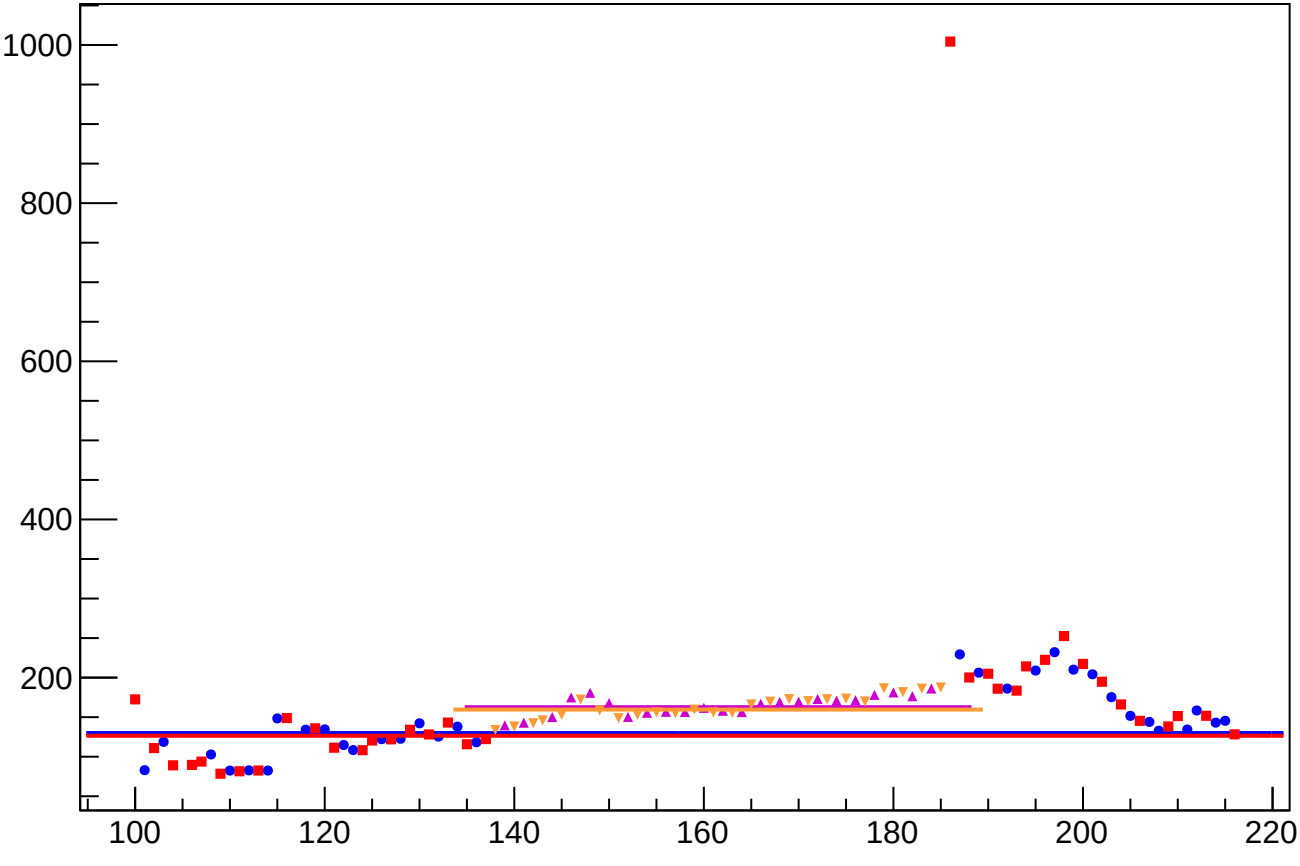
Right: -33.039+/-22.781 χ^2/NDF: 92.5/66

In: 112.638+/-25.015 χ^2/NDF:110.2/54

Out: 102.153+/-24.214 χ^2/NDF:122.4/59

All: 107.225+/-17.398 χ^2/NDF: 232.8/114

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 129.909+/-0.023 χ^2/NDF: 2649349.6/31

Left Out: 159.568+/-0.026 χ^2/NDF:287744.2/24

Right Out: 126.494+/-0.023 χ^2/NDF: 4025511.1/34

Left In: 162.606+/-0.028 χ^2/NDF:199542.3/22

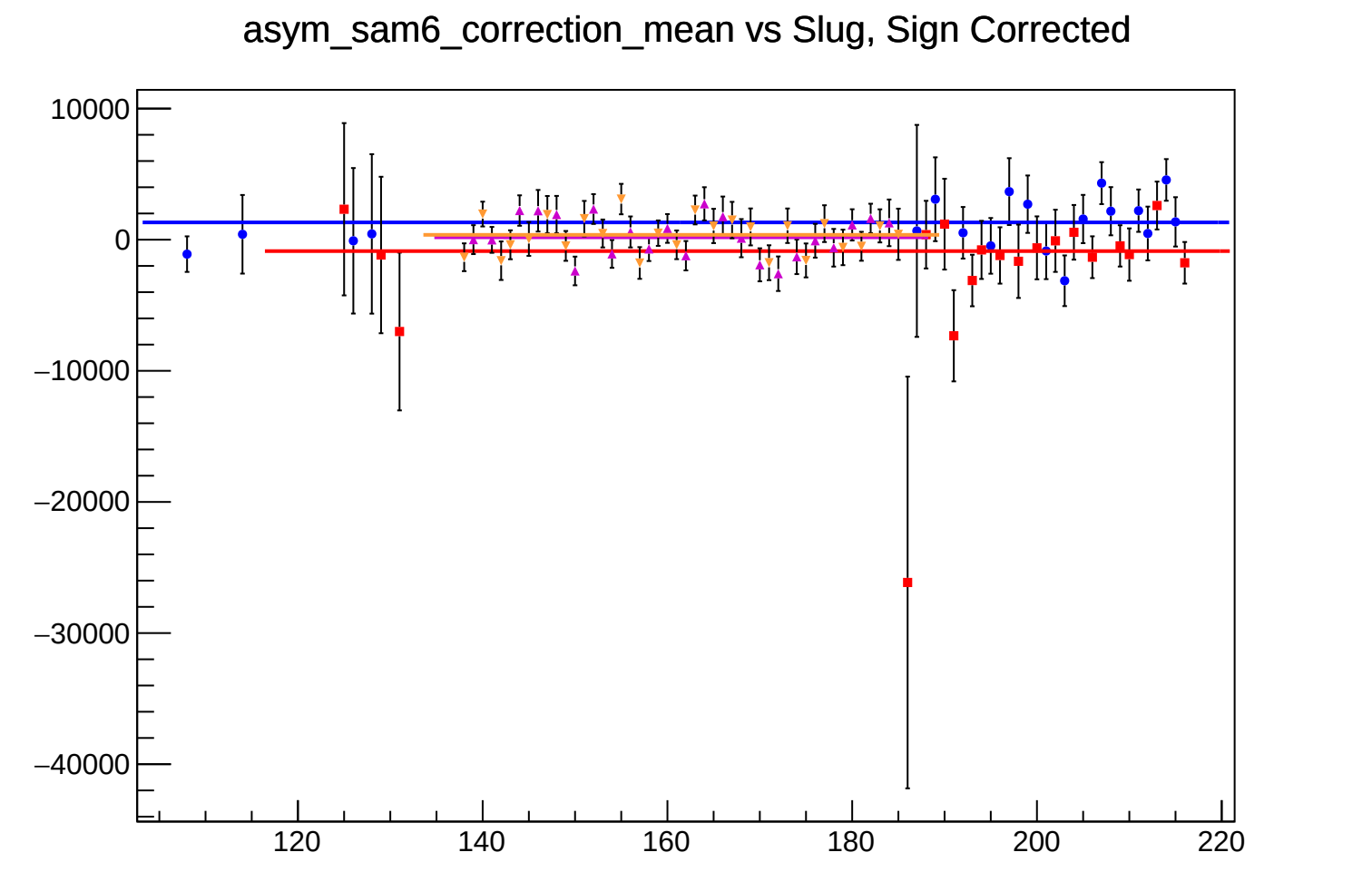
Left: 161.019+/-0.019 χ^2/NDF: 493626.9/47

Right: 128.161+/-0.016 χ^2/NDF: 6686096.1/66

In: 143.355+/-0.018 χ^2/NDF:3676188.5/54

Out: 140.448+/-0.017 χ^2/NDF:5223425.0/59

All: 141.855+/-0.012 χ^2/NDF: 8913558.7/114



Right In: 1318.670+/-474.738 χ^2/NDF: 20.5/18

Left Out: 370.001+/-243.521 χ^2/NDF:30.5/24

Right Out: -869.889+/-532.032 χ^2/NDF: 14.0/18

Left In: 183.107+/-252.258 χ^2/NDF:36.5/22

Left: 279.847+/-175.203 χ^2/NDF: 67.2/47

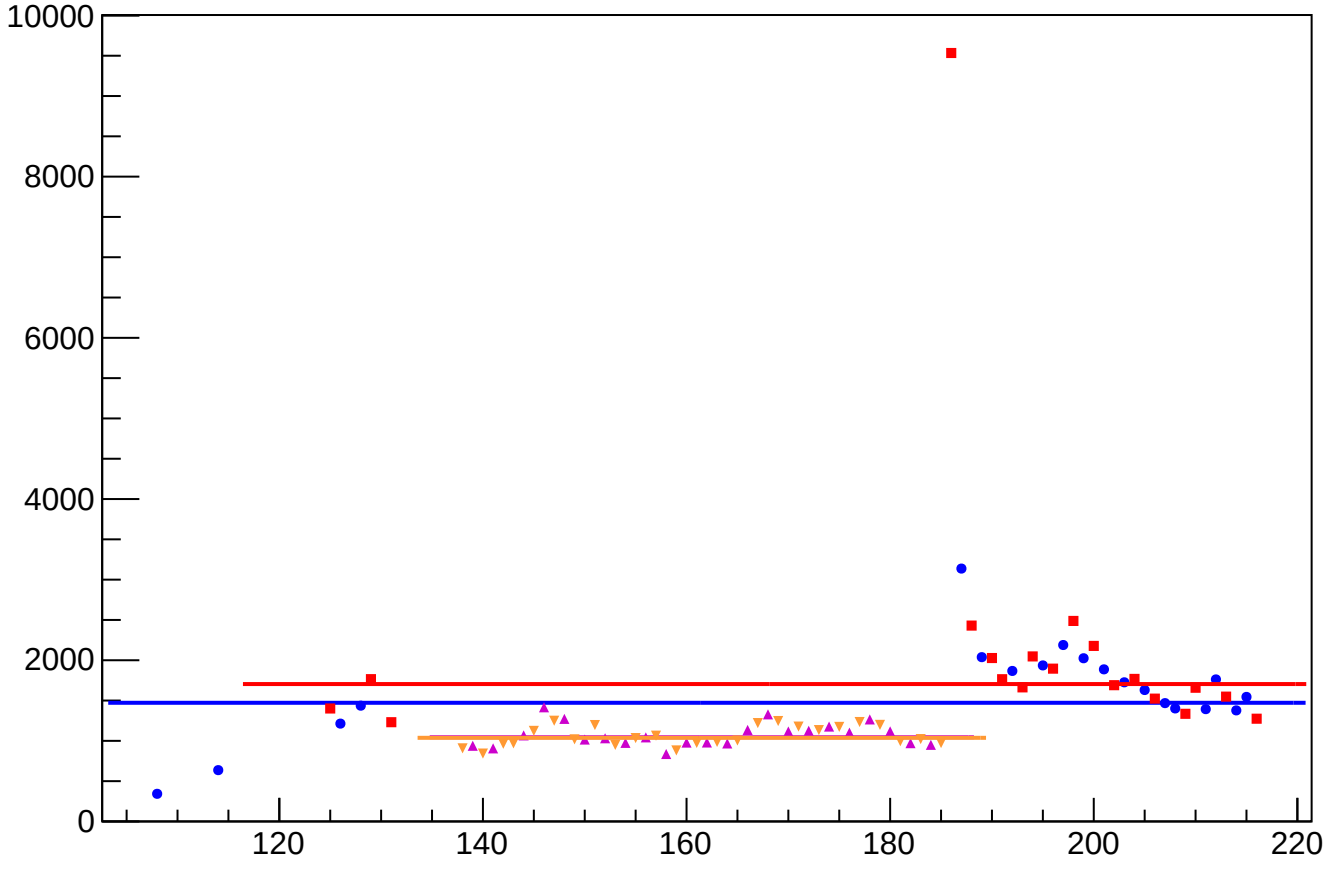
Right: 348.536+/-354.221 χ^2/NDF: 43.9/37

In: 433.135+/-222.763 χ^2/NDF:61.4/41

Out: 155.232+/-221.428 χ^2/NDF:49.0/43

All: 293.348+/-157.043 χ^2/NDF: 111.2/85

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 1472.279+/-0.336 χ^2/NDF: 2336553.0/18

Left Out: 1037.689+/-0.172 χ^2/NDF:494981.4/24

Right Out: 1704.655+/-0.376 χ^2/NDF: 1289360.4/18

Left In: 1044.746+/-0.178 χ^2/NDF:543315.5/22

Left: 1041.093+/-0.124 χ^2/NDF: 1039107.0/47

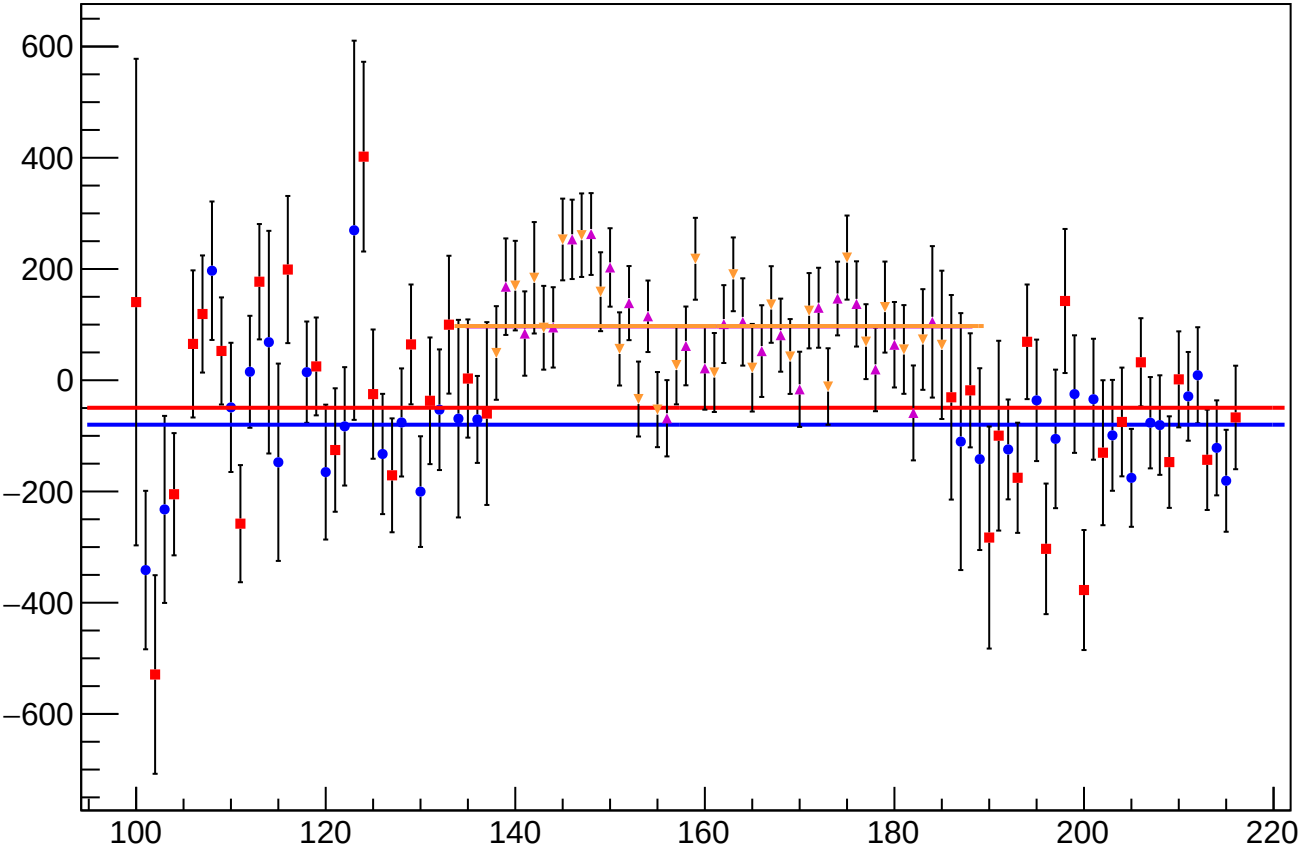
Right: 1575.286+/-0.250 χ^2/NDF: 3838324.4/37

In: 1138.880+/-0.158 χ^2/NDF:4144770.1/41

Out: 1153.218+/-0.157 χ^2/NDF:4383027.1/43

All: 1146.092+/-0.111 χ^2/NDF: 8531965.2/85

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -79.950+/-18.933 χ^2/NDF: 20.4/31

Left Out: 97.445+/-14.880 χ^2/NDF:36.0/24

Right Out: -49.501+/-18.817 χ^2/NDF: 63.5/34

Left In: 96.704+/-15.369 χ^2/NDF:29.2/22

Left: 97.087+/-10.690 χ^2/NDF: 65.2/47

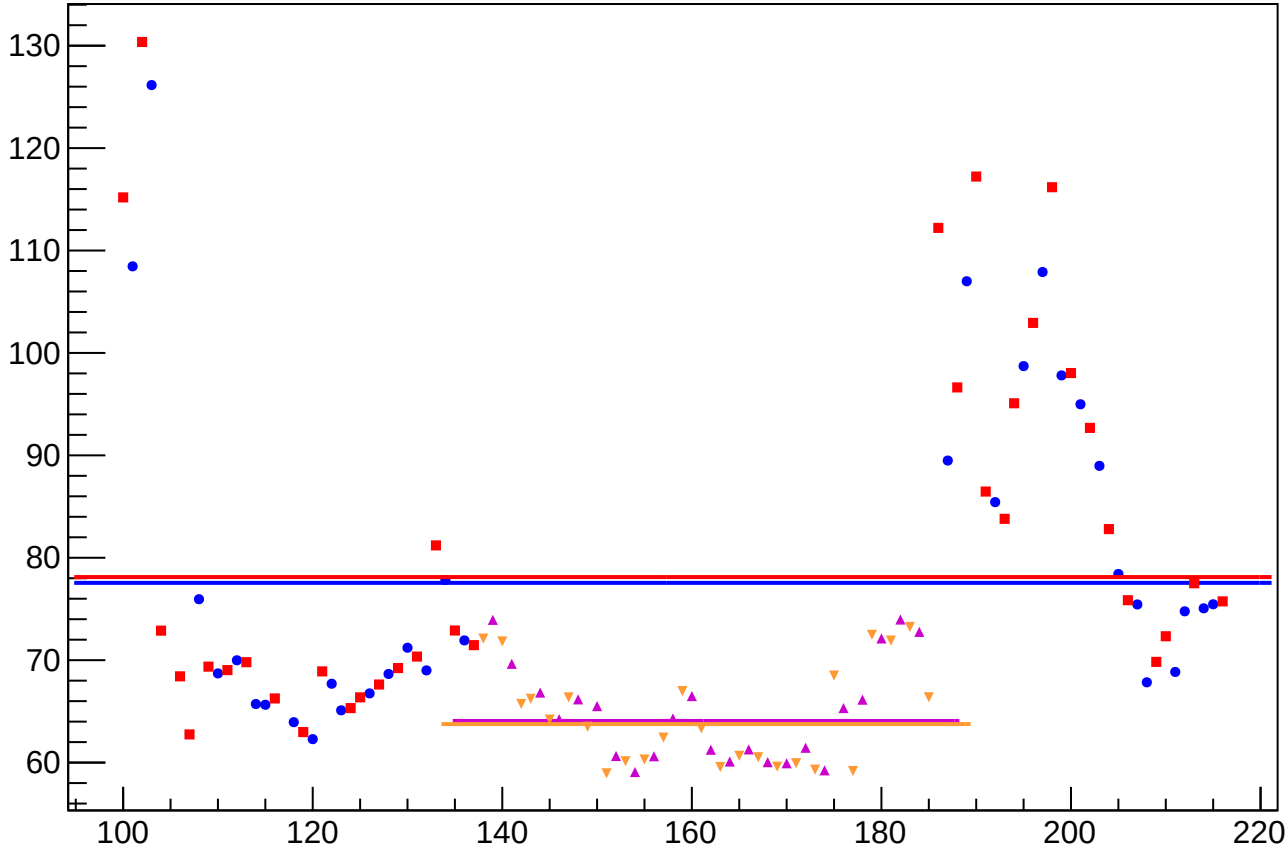
Right: -64.632+/-13.347 χ^2/NDF: 85.2/66

In: 26.533+/-11.933 χ^2/NDF:102.1/54

Out: 40.912+/-11.672 χ^2/NDF:137.0/59

All: 33.882+/-8.344 χ^2/NDF: 239.9/114

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 77.549+/-0.013 χ^2/NDF: 948524.0/31

Left Out: 63.761+/-0.011 χ^2/NDF:192803.8/24

Right Out: 78.116+/-0.013 χ^2/NDF: 1130115.7/34

Left In: 64.069+/-0.011 χ^2/NDF:164660.4/22

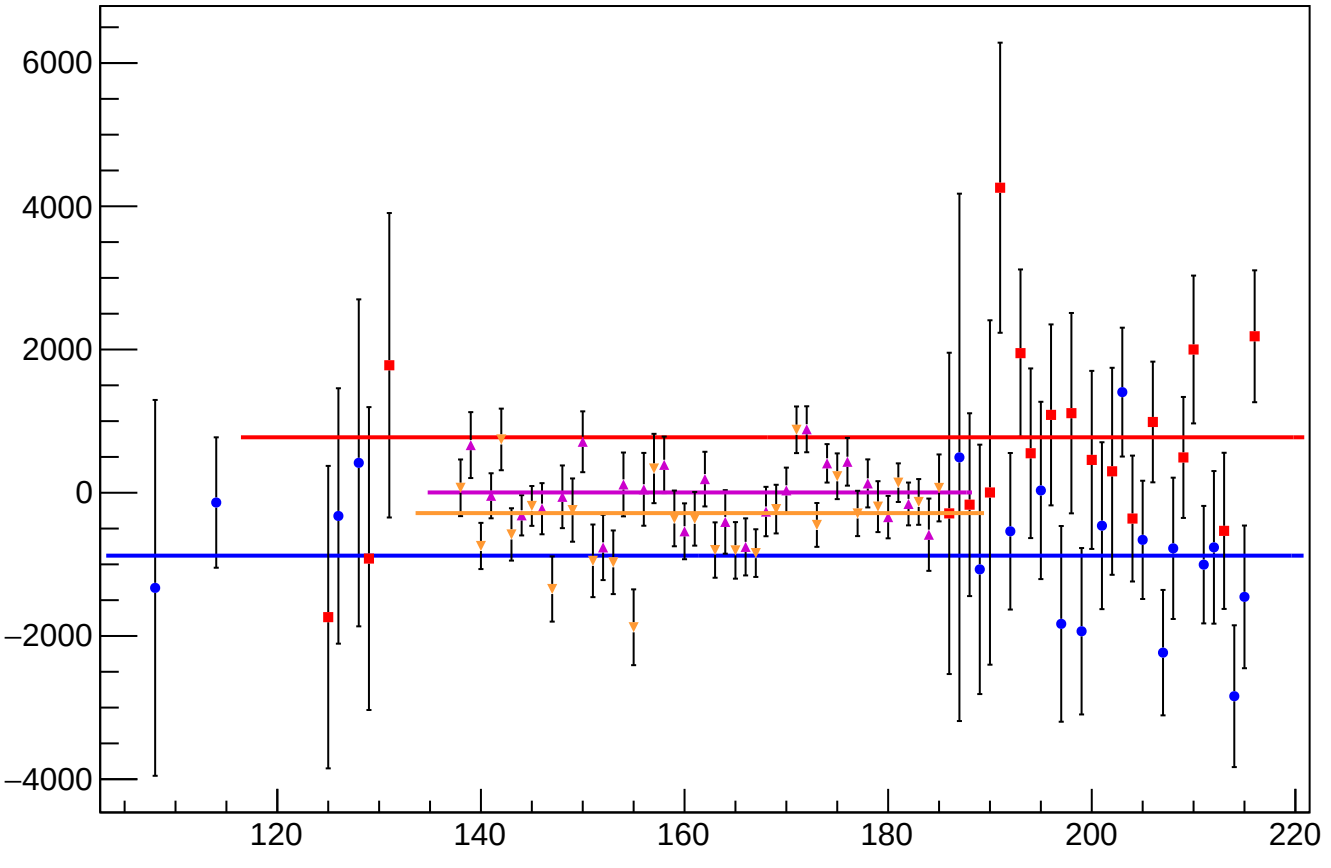
Left: 63.910+/-0.008 χ^2/NDF: 357877.2/47

Right: 77.834+/-0.009 χ^2/NDF: 2079541.4/66

In: 69.423+/-0.008 χ^2/NDF:1724358.4/54

Out: 69.284+/-0.008 χ^2/NDF:2039019.5/59

All: 69.352+/-0.006 χ^2/NDF: 3763517.8/114



Right In: -878.290+/-256.561 χ^2/NDF: 16.6/18

Left Out: -284.304+/-72.732 χ^2/NDF:55.1/24

Right Out: 774.275+/-280.943 χ^2/NDF: 14.5/18

Left In: 4.037+/-75.084 χ^2/NDF:32.4/22

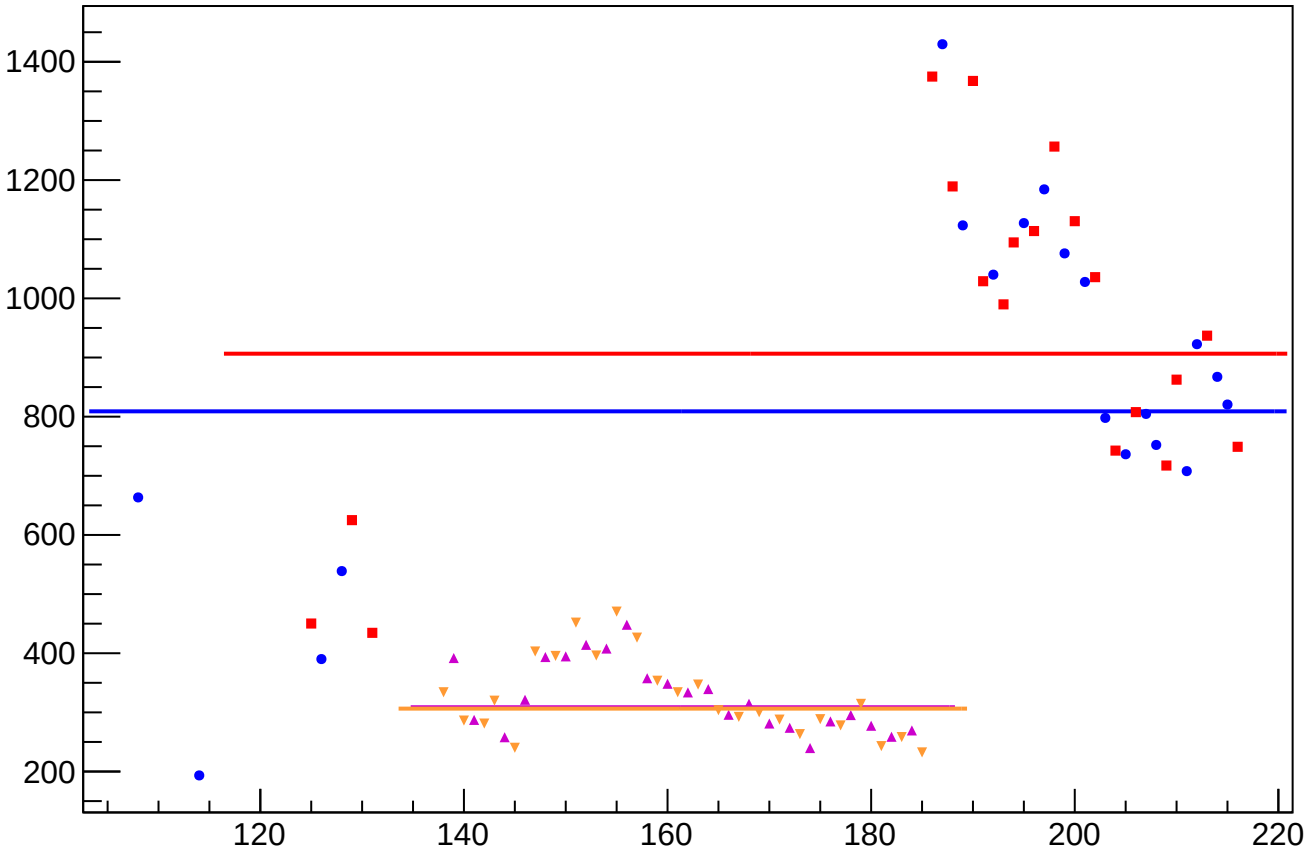
Left: -144.720+/-52.241 χ^2/NDF: 95.0/47

Right: -126.816+/-189.450 χ^2/NDF: 49.9/37

In: -65.571+/-72.062 χ^2/NDF:59.8/41

Out: -217.811+/-70.411 χ^2/NDF:82.8/43

All: -143.455+/-50.362 χ^2/NDF: 144.9/85



Right In: 809.007+/-0.181 χ^2/NDF: 1812151.7/18

Left Out: 306.363+/-0.051 χ^2/NDF:1215669.9/24

Right Out: 906.474+/-0.199 χ^2/NDF: 1075334.3/18

Left In: 308.727+/-0.053 χ^2/NDF:1002947.4/22

Left: 307.507+/-0.037 χ^2/NDF: 2219640.0/47

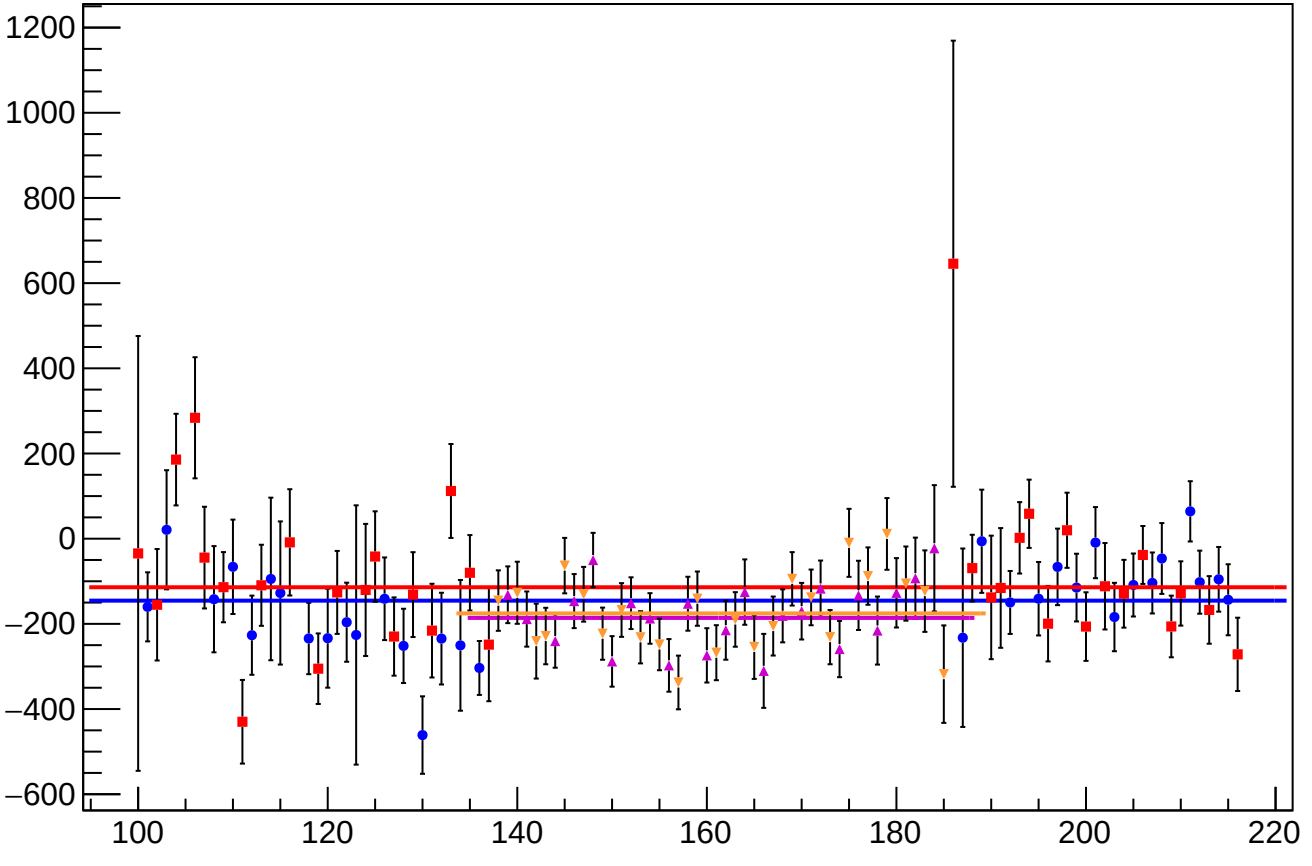
Right: 853.328+/-0.134 χ^2/NDF: 3018740.5/37

In: 348.194+/-0.051 χ^2/NDF:9819768.9/41

Out: 344.057+/-0.050 χ^2/NDF:10843329.4/43

All: 346.078+/-0.036 χ^2/NDF: 20666470.2/85

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -145.499+/-16.182 χ^2/NDF: 42.7/31

Left Out: -175.471+/-13.846 χ^2/NDF:34.6/24

Right Out: -114.059+/-16.334 χ^2/NDF: 61.1/34

Left In: -186.047+/-14.315 χ^2/NDF:23.6/22

Left: -180.583+/-9.952 χ^2/NDF: 58.5/47

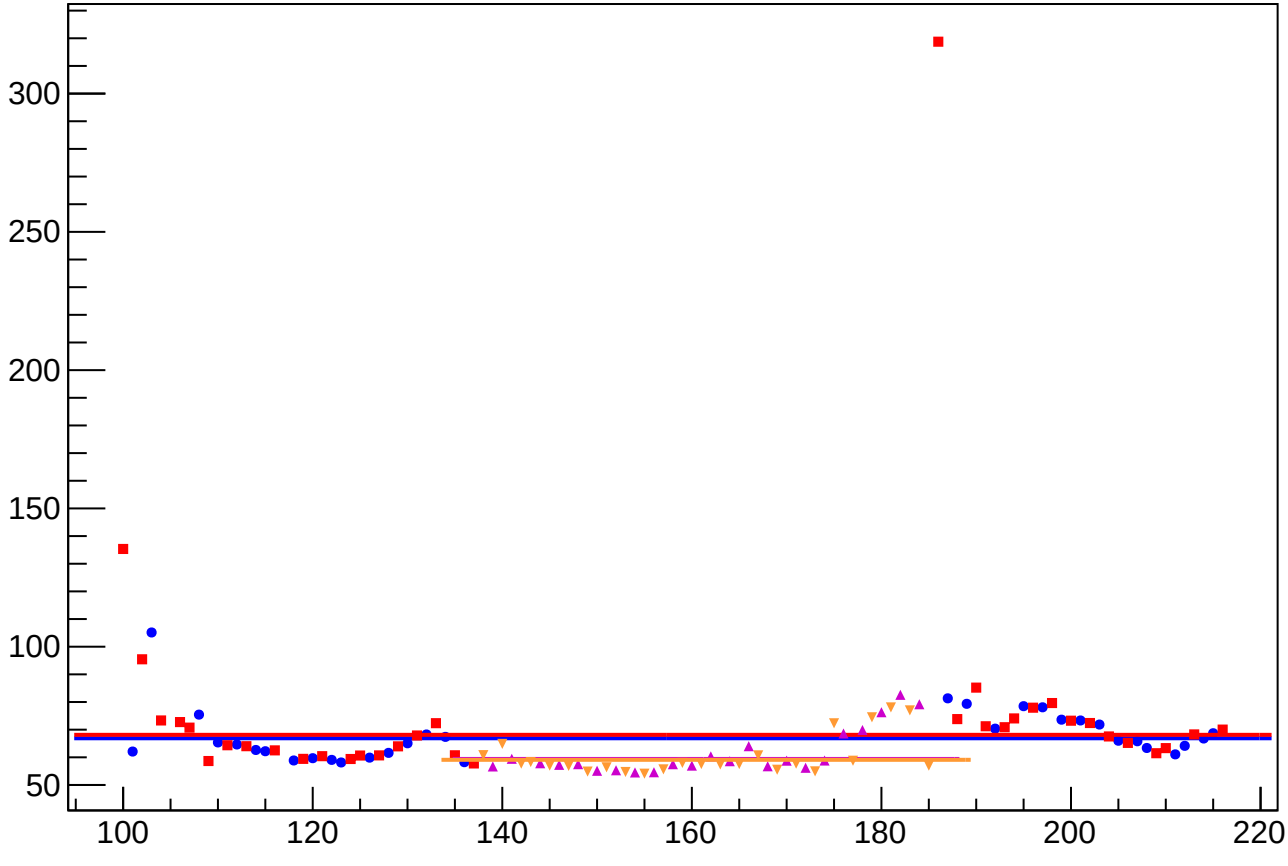
Right: -129.926+/-11.496 χ^2/NDF: 105.6/66

In: -168.245+/-10.722 χ^2/NDF:69.7/54

Out: -149.793+/-10.562 χ^2/NDF:103.9/59

All: -158.880+/-7.524 χ^2/NDF: 175.2/114

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.885+/-0.011 χ^2/NDF: 425806.8/31

Left Out: 59.099+/-0.010 χ^2/NDF:369788.6/24

Right Out: 68.133+/-0.012 χ^2/NDF: 873394.6/34

Left In: 59.410+/-0.010 χ^2/NDF:373052.7/22

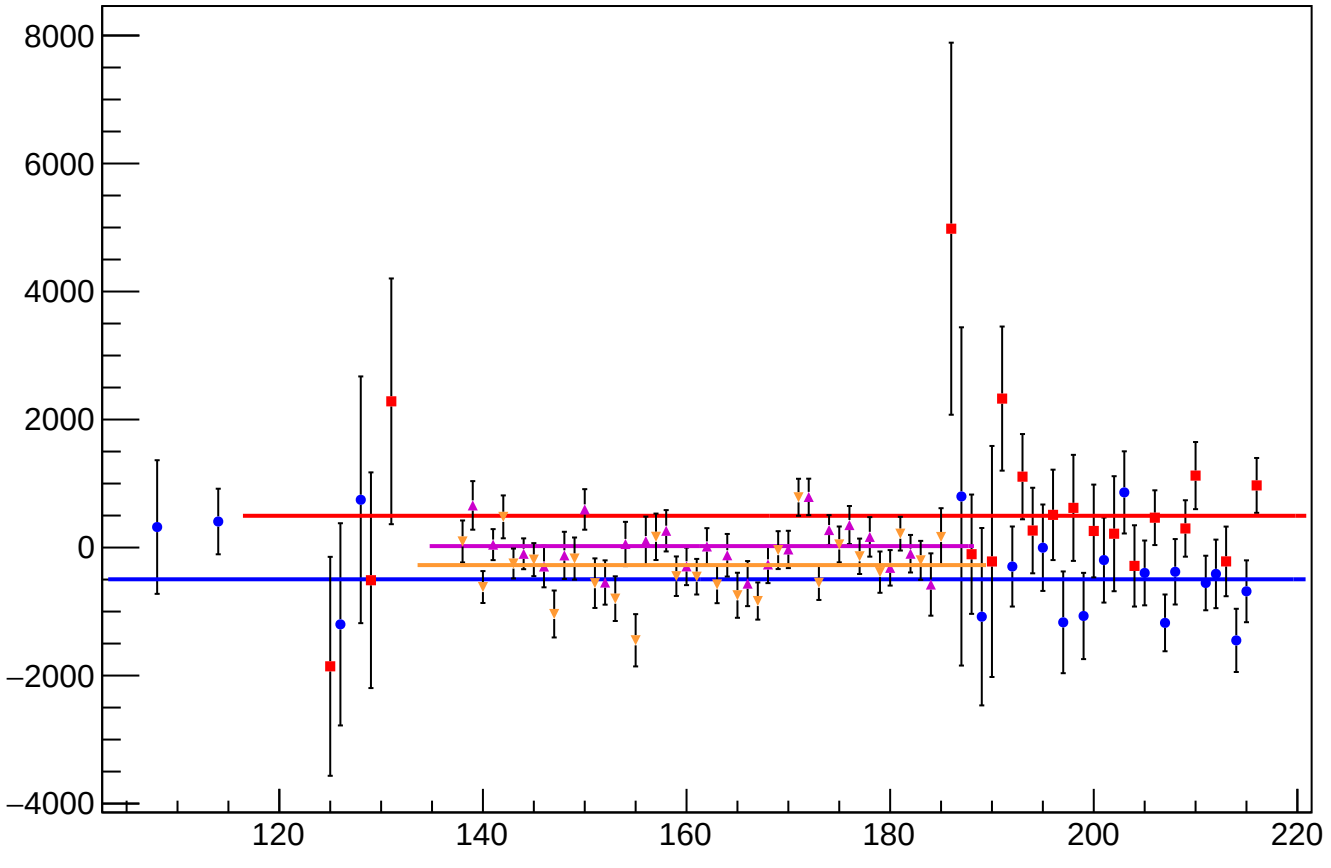
Left: 59.250+/-0.007 χ^2/NDF: 743329.1/47

Right: 67.503+/-0.008 χ^2/NDF: 1305097.1/66

In: 62.692+/-0.008 χ^2/NDF:1038246.3/54

Out: 62.877+/-0.007 χ^2/NDF:1599186.9/59

All: 62.786+/-0.005 χ^2/NDF: 2637734.2/114



Right In: -495.947+/-142.165 χ^2/NDF: 17.9/18

Left Out: -274.091+/-60.799 χ^2/NDF:53.9/24

Right Out: 496.246+/-158.157 χ^2/NDF: 16.0/18

Left In: 22.631+/-63.643 χ^2/NDF:28.9/22

Left: -132.507+/-43.963 χ^2/NDF: 94.2/47

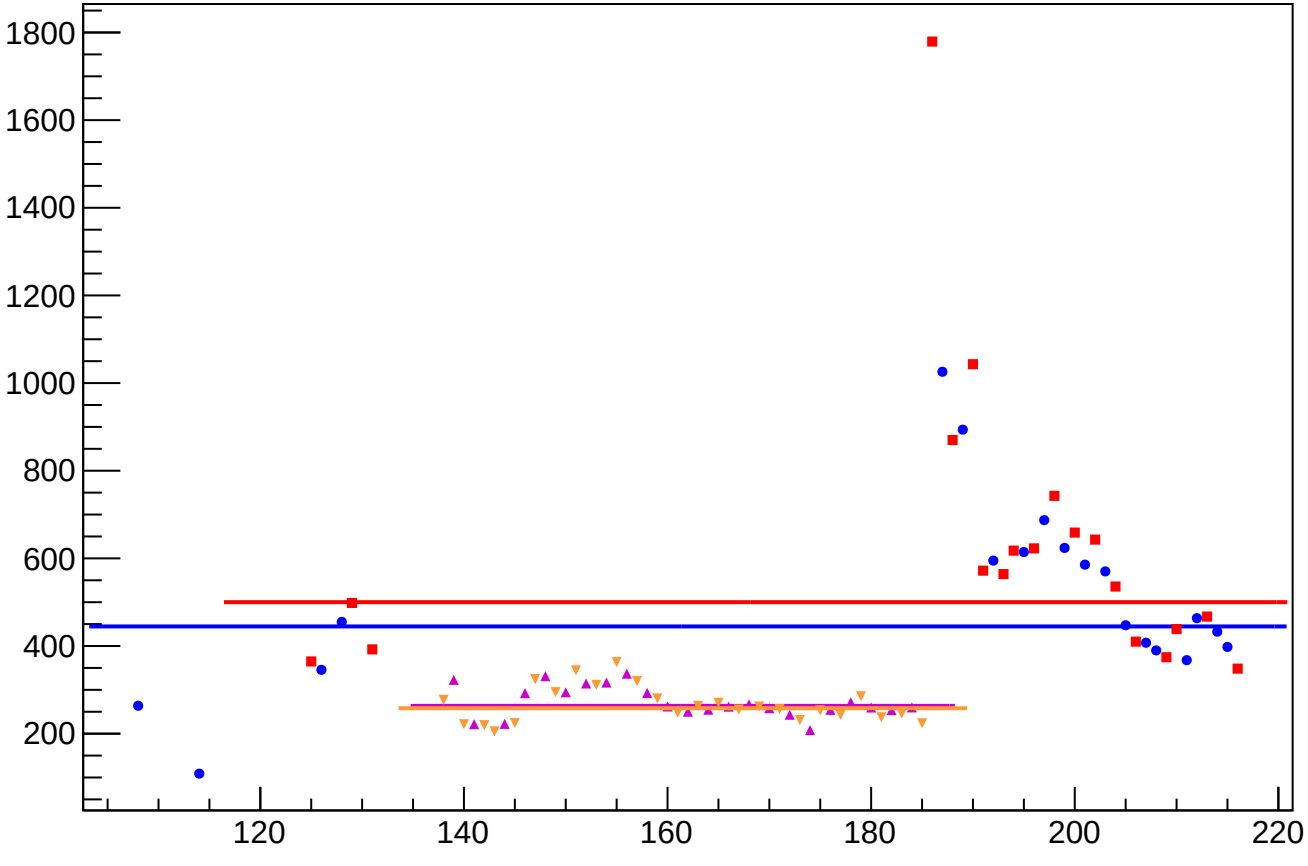
Right: -52.535+/-105.729 χ^2/NDF: 55.7/37

In: -63.946+/-58.088 χ^2/NDF:57.9/41

Out: -174.907+/-56.750 χ^2/NDF:90.6/43

All: -120.719+/-40.593 χ^2/NDF: 150.3/85

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 444.675+/-0.101 χ^2/NDF: 2095337.9/18

Left Out: 258.040+/-0.043 χ^2/NDF:724823.3/24

Right Out: 500.103+/-0.112 χ^2/NDF: 1912239.5/18

Left In: 263.397+/-0.045 χ^2/NDF:585600.2/22

Left: 260.596+/-0.031 χ^2/NDF: 1317830.8/47

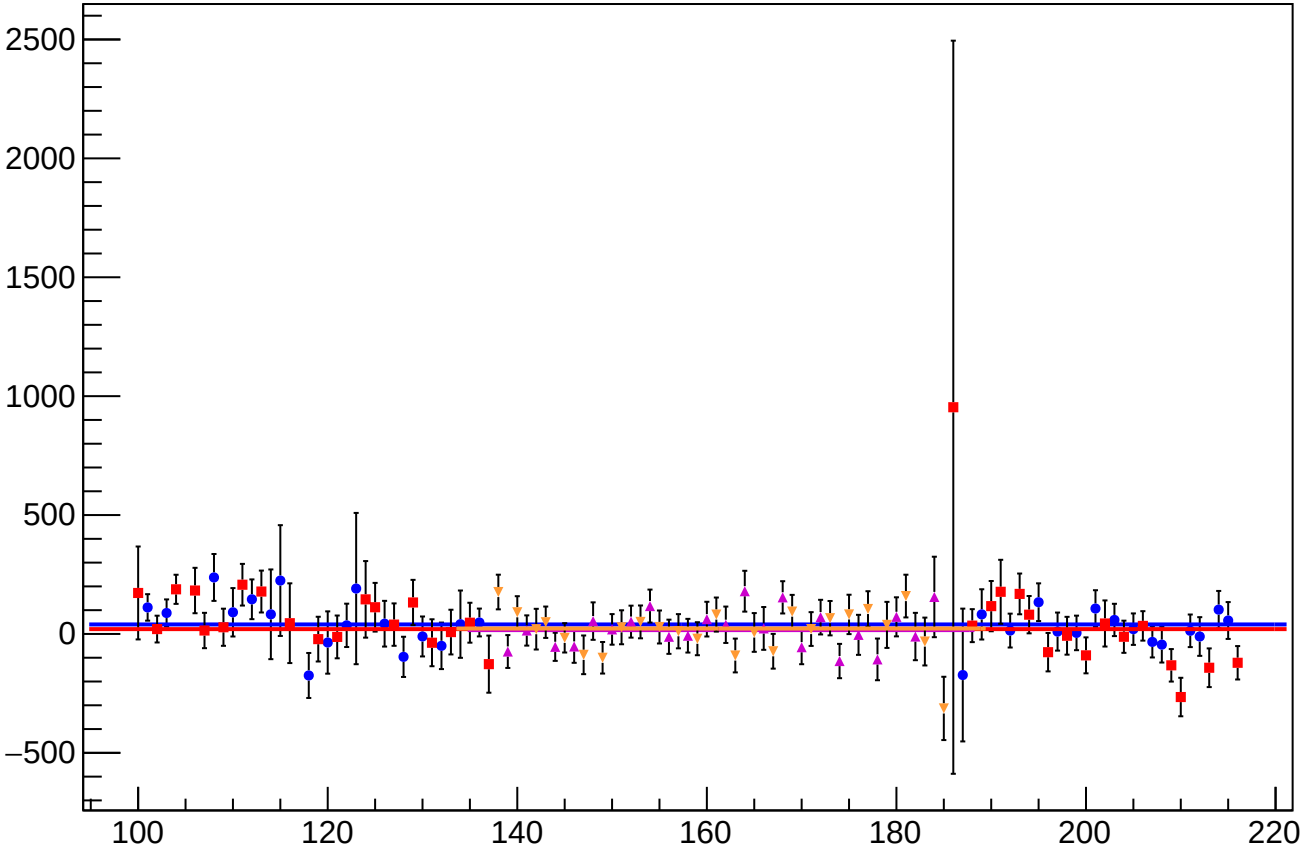
Right: 469.446+/-0.075 χ^2/NDF: 4143446.6/37

In: 293.661+/-0.041 χ^2/NDF:5389938.5/41

Out: 289.207+/-0.040 χ^2/NDF:6718868.9/43

All: 291.382+/-0.029 χ^2/NDF: 12114825.1/85

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.977+/-14.626 χ^2/NDF: 25.8/31

Left Out: 22.871+/-14.968 χ^2/NDF:29.0/24

Right Out: 20.319+/-14.380 χ^2/NDF: 59.6/34

Left In: 16.198+/-15.531 χ^2/NDF:23.3/22

Left: 19.658+/-10.777 χ^2/NDF: 52.4/47

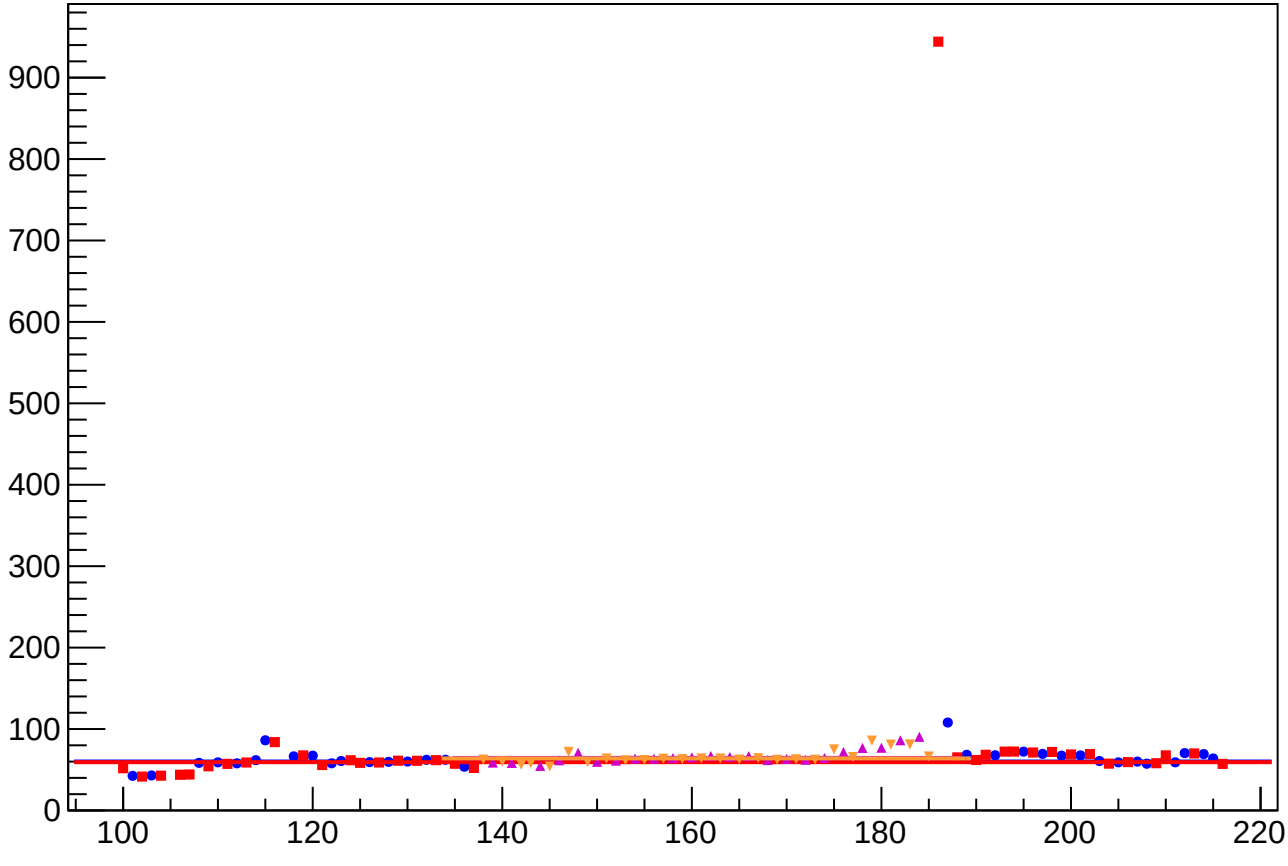
Right: 29.981+/-10.254 χ^2/NDF: 86.3/66

In: 28.800+/-10.648 χ^2/NDF:50.3/54

Out: 21.544+/-10.370 χ^2/NDF:88.6/59

All: 25.076+/-7.429 χ^2/NDF: 139.2/114

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 60.100+/-0.010 χ^2/NDF: 722787.3/31

Left Out: 63.920+/-0.011 χ^2/NDF:395410.4/24

Right Out: 59.301+/-0.010 χ^2/NDF: 1554800.8/34

Left In: 64.511+/-0.011 χ^2/NDF:370515.2/22

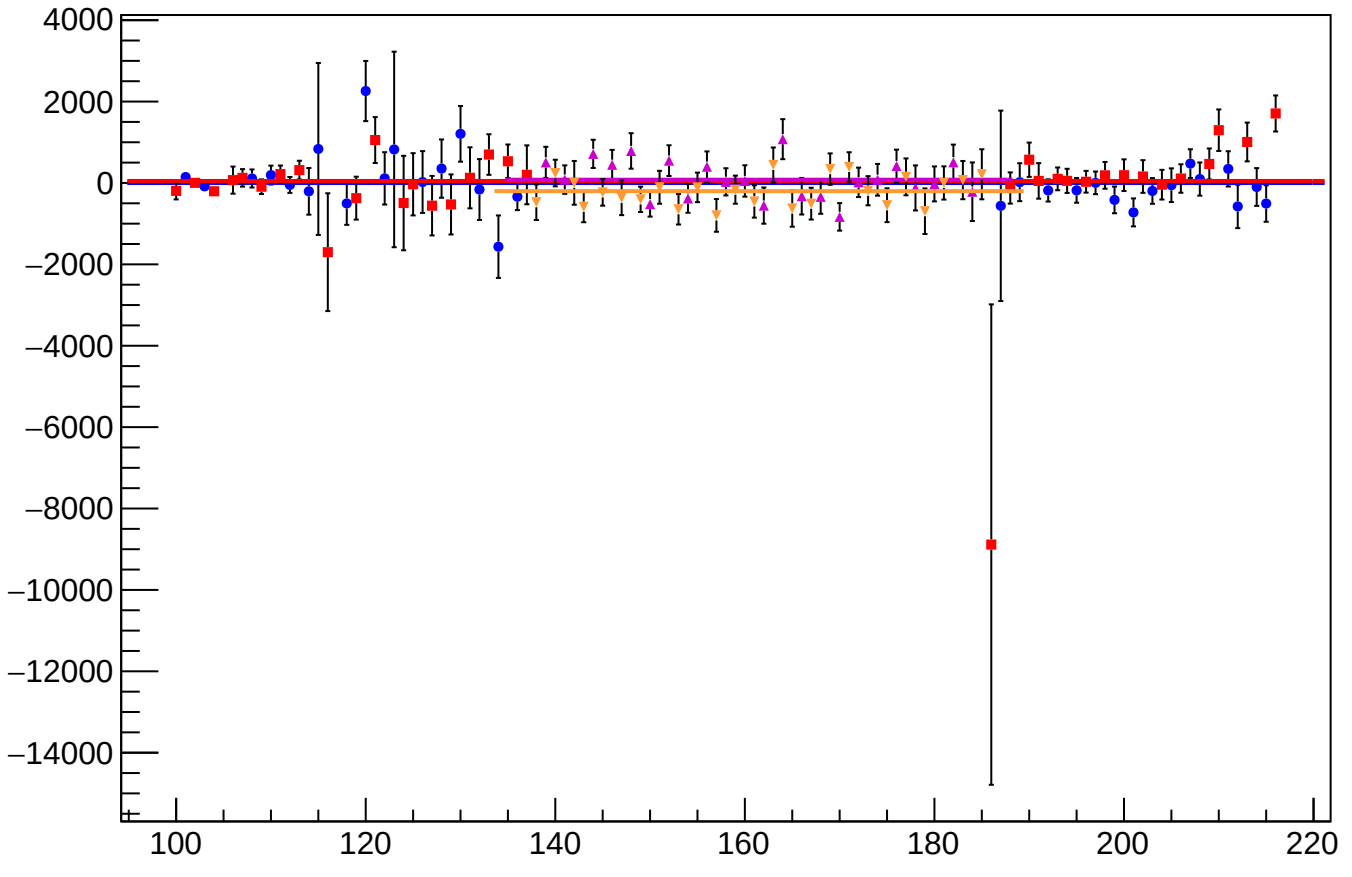
Left: 64.204+/-0.008 χ^2/NDF: 767426.6/47

Right: 59.694+/-0.007 χ^2/NDF: 2280618.3/66

In: 62.173+/-0.008 χ^2/NDF:1178802.5/54

Out: 61.518+/-0.007 χ^2/NDF:2049229.3/59

All: 61.837+/-0.005 χ^2/NDF: 3231914.2/114



Right In: -1.603+/-45.447 χ^2/NDF: 36.7/31

Left Out: -201.082+/-79.549 χ^2/NDF:19.7/24

Right Out: 49.435+/-46.323 χ^2/NDF: 50.3/34

Left In: 79.985+/-81.781 χ^2/NDF:33.4/22

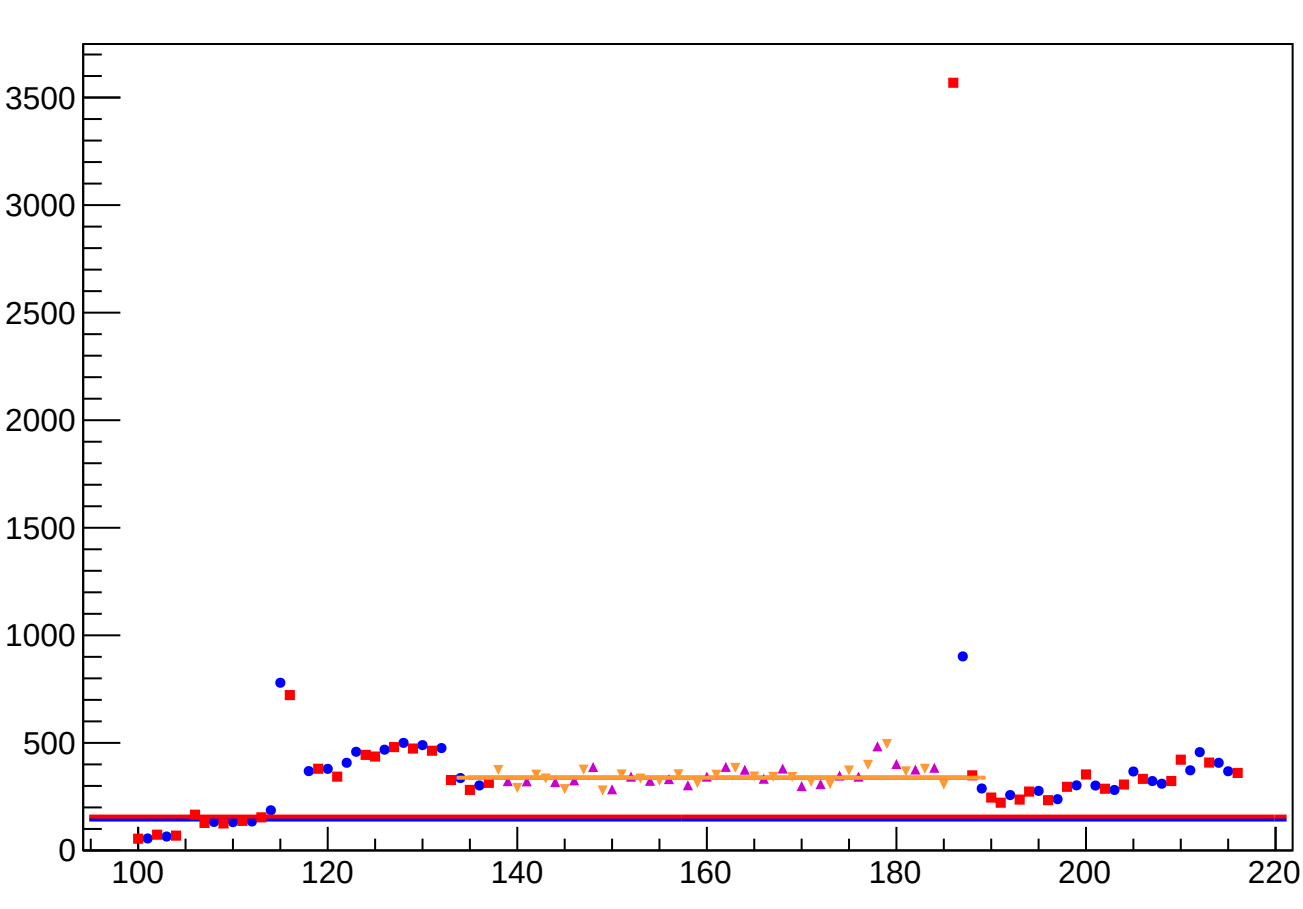
Left: -64.438+/-57.022 χ^2/NDF: 59.1/47

Right: 23.429+/-32.441 χ^2/NDF: 87.6/66

In: 17.647+/-39.725 χ^2/NDF:70.9/54

Out: -14.003+/-40.030 χ^2/NDF:77.4/59

All: 1.943+/-28.197 χ^2/NDF: 148.6/114



Right In: 143.673+/-0.032 χ^2/NDF: 13911617.6/31

Left Out: 338.130+/-0.056 χ^2/NDF:498601.7/24

Right Out: 157.550+/-0.033 χ^2/NDF: 12163112.9/34

Left In: 338.564+/-0.058 χ^2/NDF:437243.0/22

Left: 338.341+/-0.040 χ^2/NDF: 935873.7/47

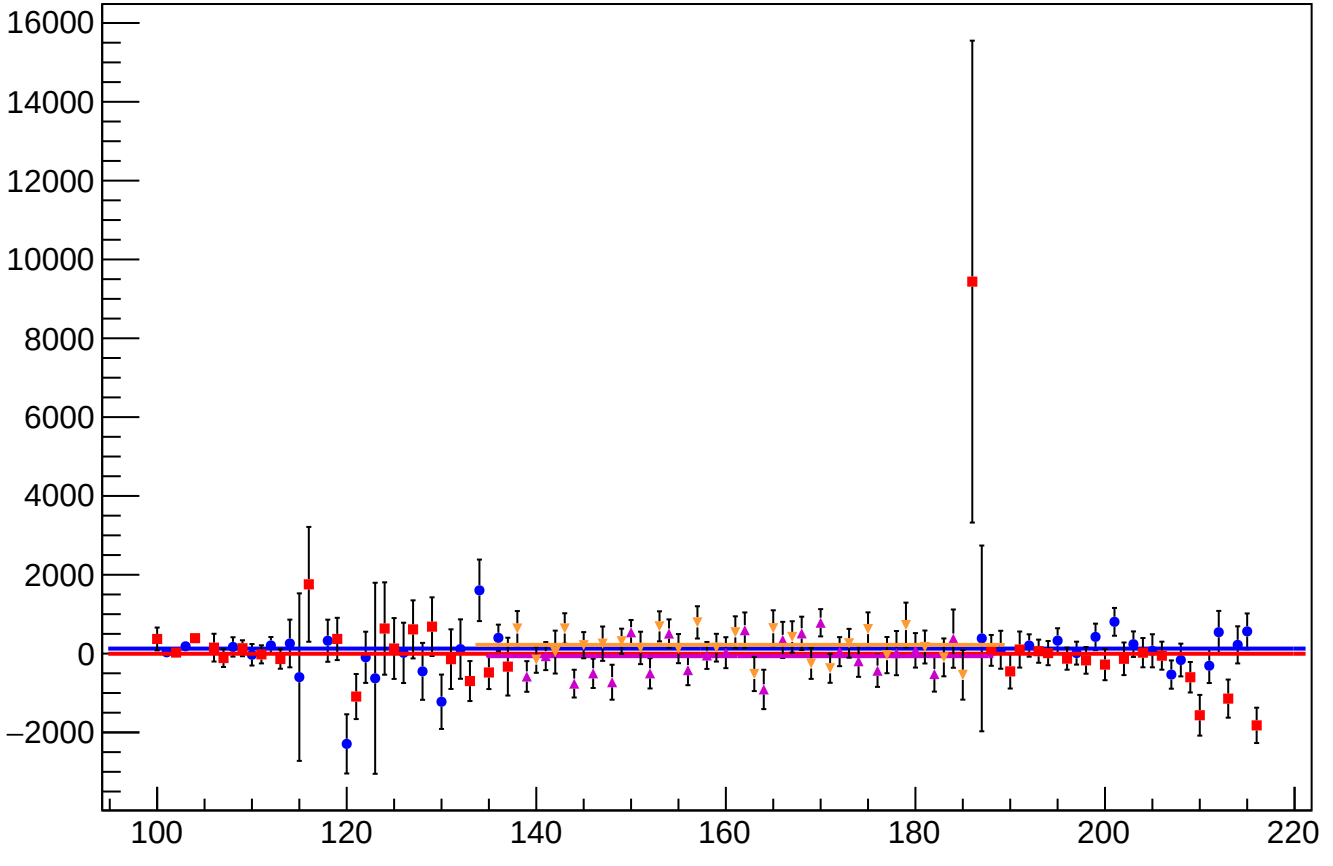
Right: 150.479+/-0.023 χ^2/NDF: 26166192.0/66

In: 189.657+/-0.028 χ^2/NDF:23027090.3/54

Out: 203.278+/-0.028 χ^2/NDF:20358155.5/59

All: 196.415+/-0.020 χ^2/NDF: 43501909.2/11

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 126.861+/-53.228 χ^2/NDF: 32.8/31

Left Out: 221.083+/-81.018 χ^2/NDF:19.7/24

Right Out: -4.004+/-51.493 χ^2/NDF: 62.6/34

Left In: -65.510+/-83.319 χ^2/NDF:34.0/22

Left: 81.798+/-58.085 χ^2/NDF: 59.7/47

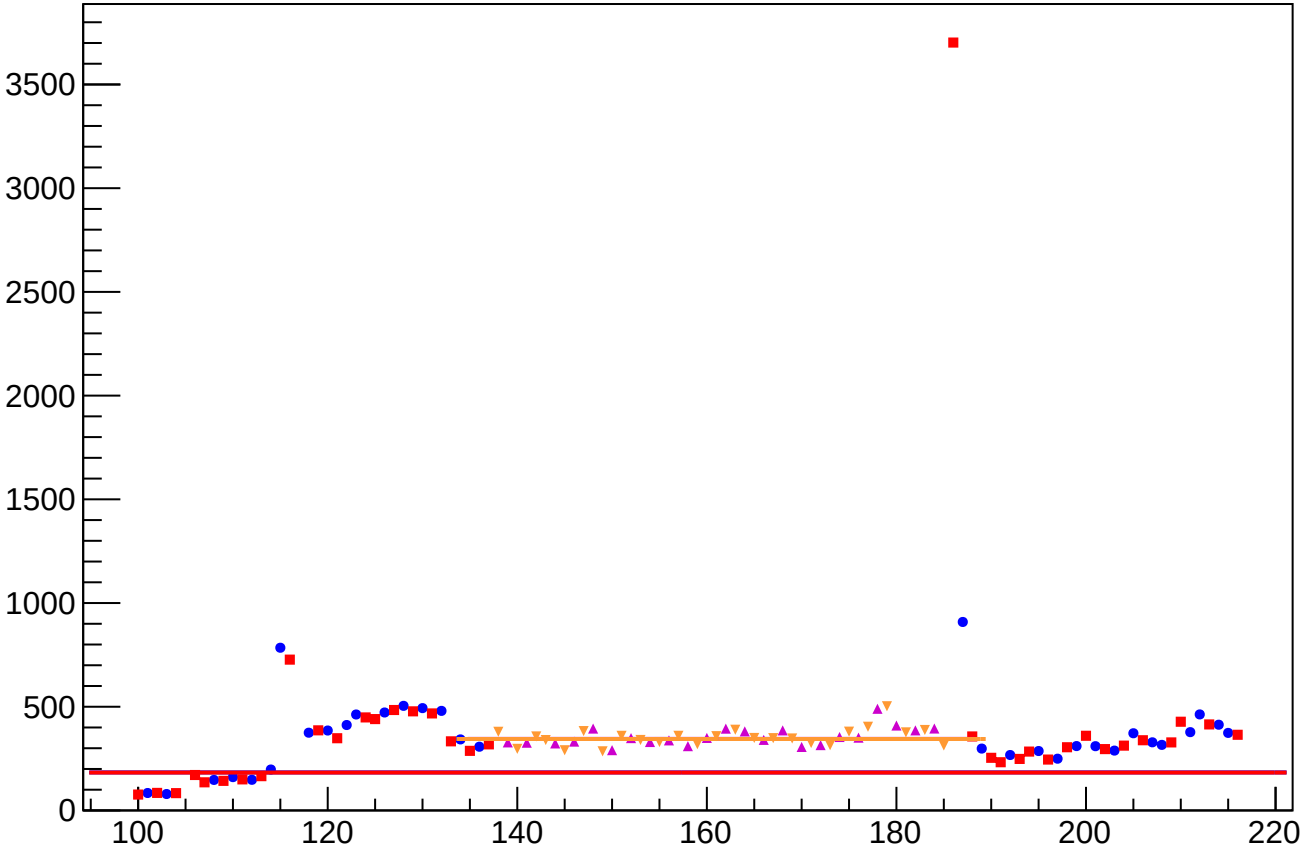
Right: 59.260+/-37.009 χ^2/NDF: 98.5/66

In: 71.104+/-44.856 χ^2/NDF:70.6/54

Out: 60.759+/-43.458 χ^2/NDF:87.8/59

All: 65.768+/-31.212 χ^2/NDF: 158.4/114

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 183.397+/-0.038 χ^2/NDF: 10462289.0/31

Left Out: 344.506+/-0.057 χ^2/NDF:488323.4/24

Right Out: 182.694+/-0.036 χ^2/NDF: 10172091.0/34

Left In: 345.039+/-0.059 χ^2/NDF:427381.3/22

Left: 344.765+/-0.041 χ^2/NDF: 915746.8/47

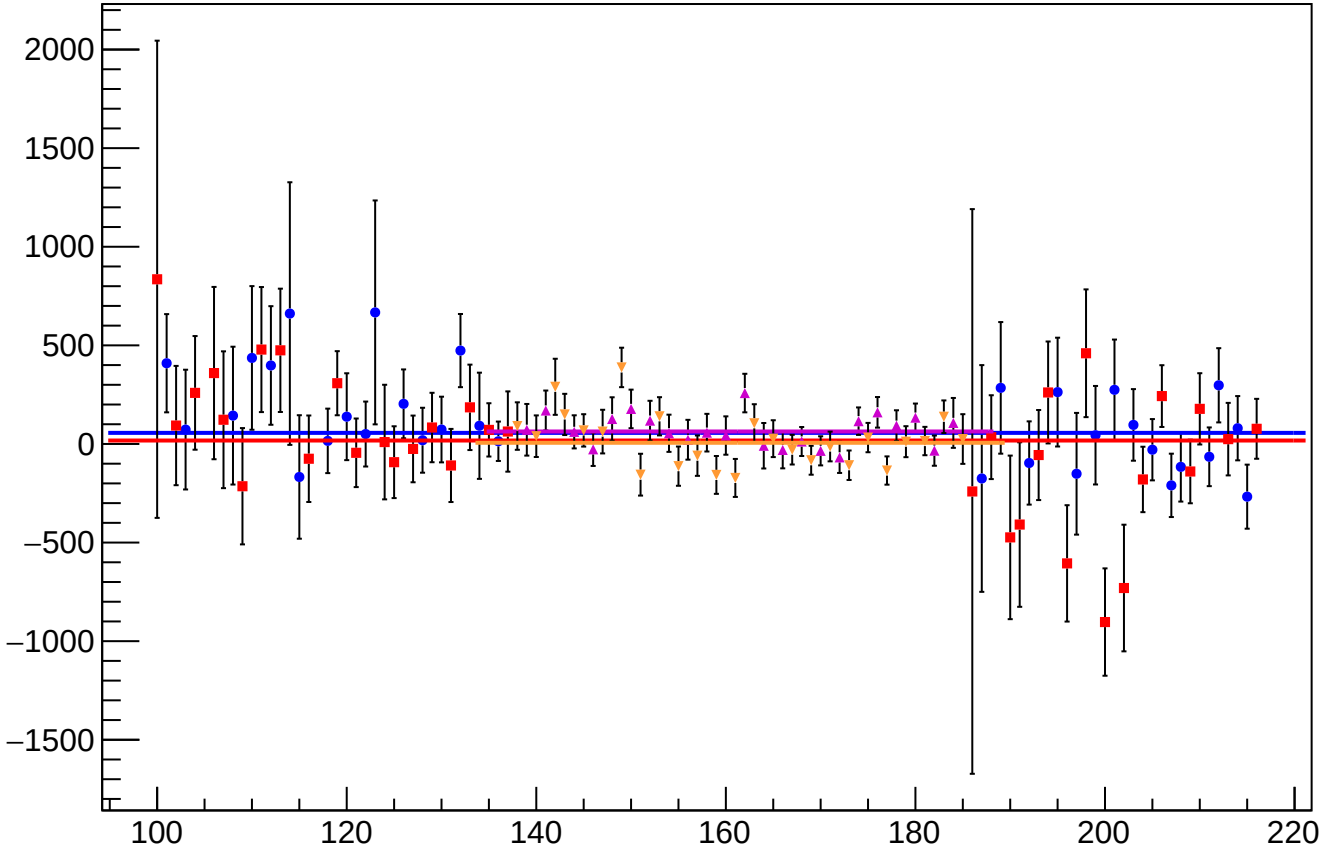
Right: 183.034+/-0.026 χ^2/NDF: 20634560.2/66

In: 230.247+/-0.032 χ^2/NDF:16235445.5/54

Out: 229.251+/-0.031 χ^2/NDF:16342808.2/59

All: 229.733+/-0.022 χ^2/NDF: 32578762.3/1

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 56.225+/-35.481 χ^2/NDF: 26.4/31

Left Out: 6.020+/-17.910 χ^2/NDF:46.0/24

Right Out: 17.487+/-36.990 χ^2/NDF: 44.2/34

Left In: 63.279+/-18.447 χ^2/NDF:19.8/22

Left: 33.804+/-12.850 χ^2/NDF: 70.8/47

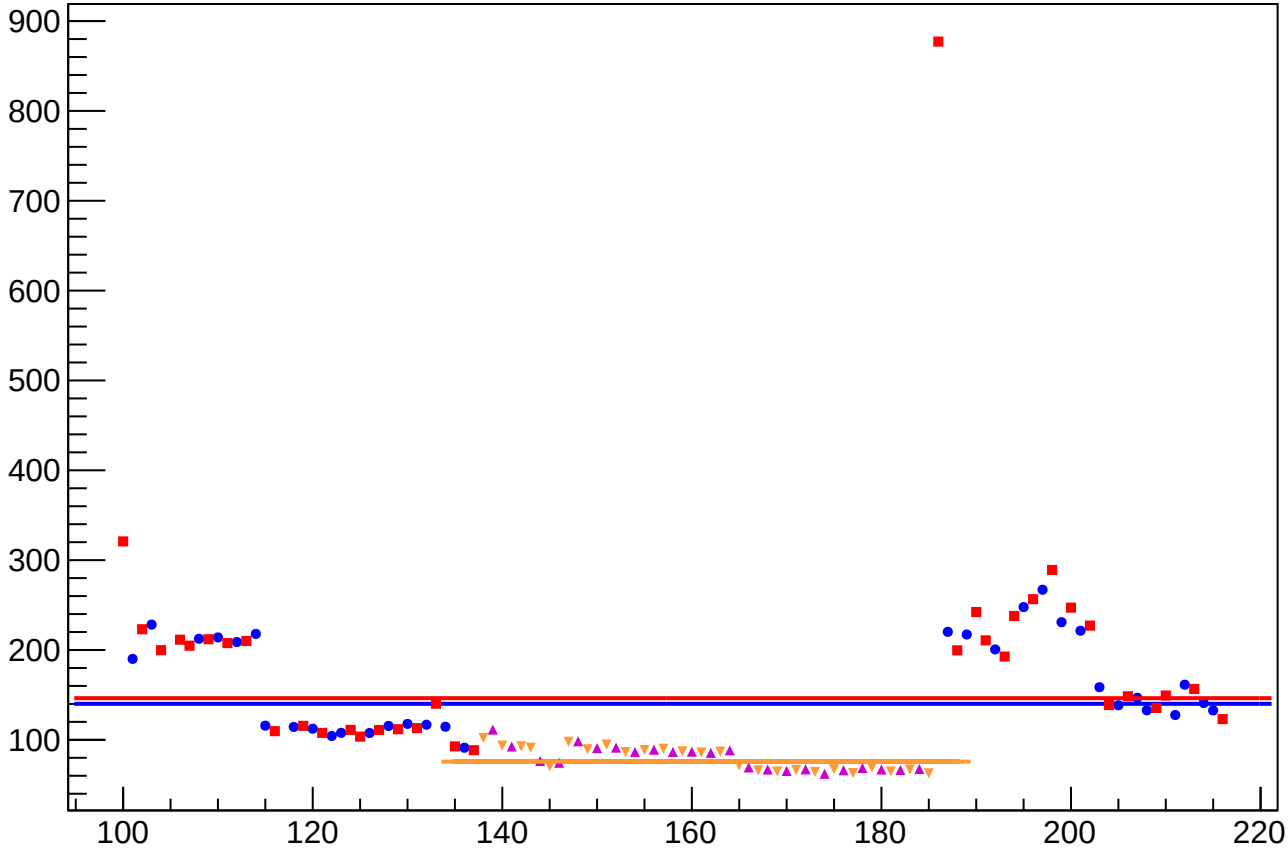
Right: 37.662+/-25.606 χ^2/NDF: 71.2/66

In: 61.778+/-16.367 χ^2/NDF:46.3/54

Out: 8.197+/-16.120 χ^2/NDF:90.3/59

All: 34.580+/-11.485 χ^2/NDF: 142.0/114

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.100+/-0.025 χ^2/NDF: 2915061.6/31

Left Out: 75.743+/-0.013 χ^2/NDF:937821.8/24

Right Out: 146.368+/-0.026 χ^2/NDF: 3940501.1/34

Left In: 75.909+/-0.013 χ^2/NDF:831366.4/22

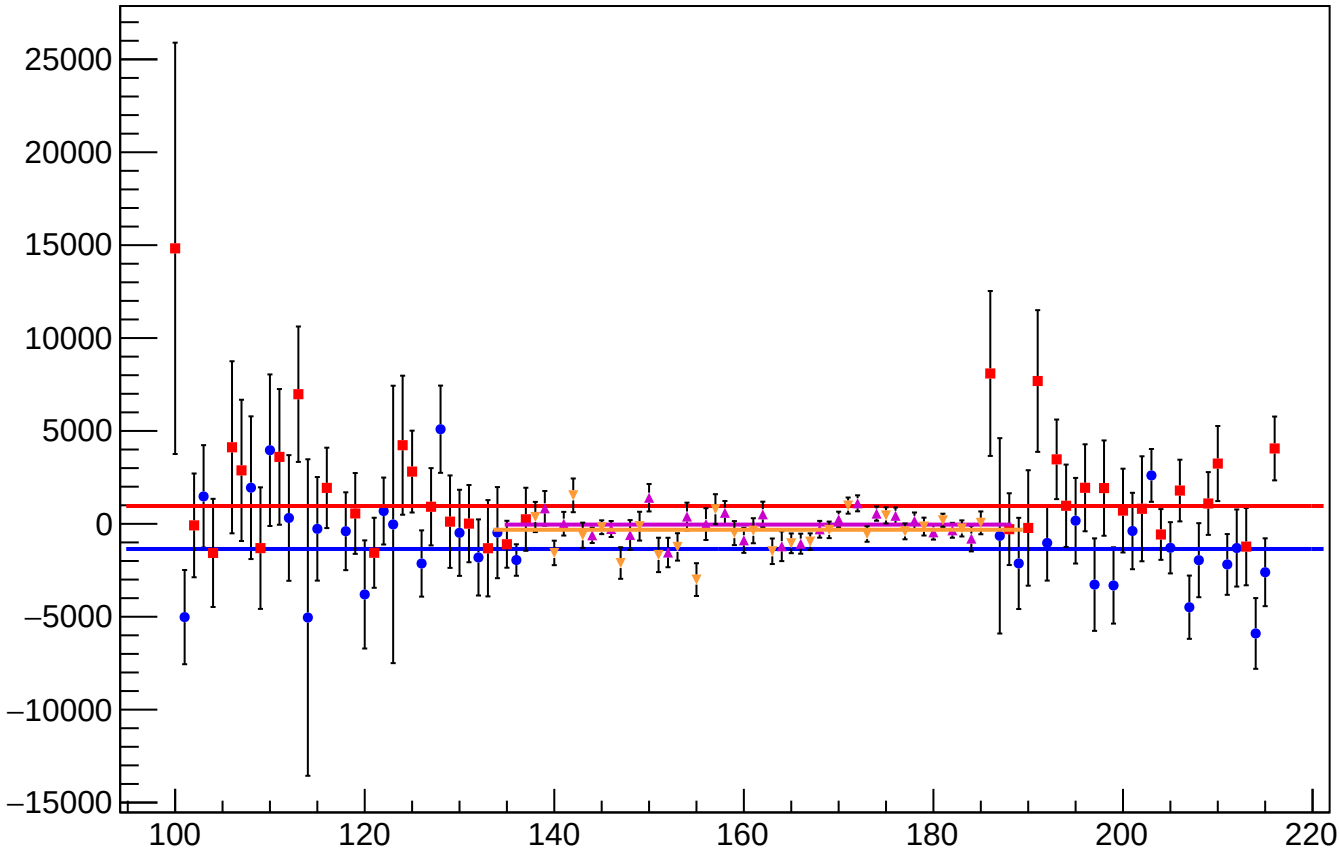
Left: 75.824+/-0.009 χ^2/NDF: 1769272.3/47

Right: 143.103+/-0.018 χ^2/NDF: 6885474.0/66

In: 89.568+/-0.012 χ^2/NDF:8899593.5/54

Out: 89.155+/-0.011 χ^2/NDF:10784609.2/59

All: 89.359+/-0.008 χ^2/NDF: 19684848.2/114



Right In: -1352.502+/-356.630 χ^2/NDF: 36.9/31

Left Out: -318.064+/-108.014 χ^2/NDF:50.0/24

Right Out: 959.964+/-378.553 χ^2/NDF: 29.4/34

Left In: -40.473+/-110.252 χ^2/NDF:34.7/22

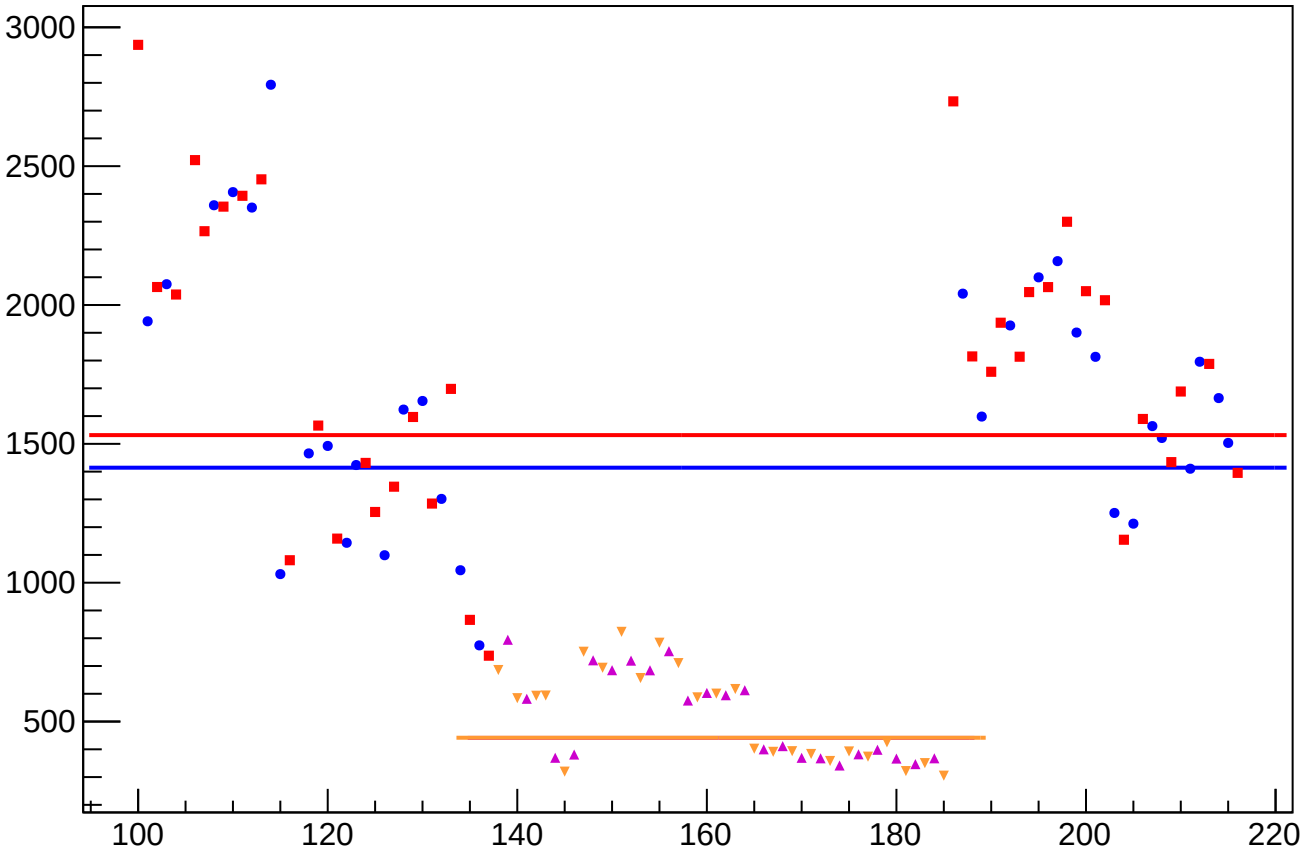
Left: -182.115+/-77.156 χ^2/NDF: 88.0/47

Right: -265.167+/-259.580 χ^2/NDF: 86.1/66

In: -154.930+/-105.334 χ^2/NDF:84.0/54

Out: -221.847+/-103.868 χ^2/NDF:90.0/59

All: -188.857+/-73.959 χ^2/NDF: 174.2/114



Right In: 1414.151+/-0.252 χ^2/NDF: 2930116.6/31

Left Out: 441.685+/-0.076 χ^2/NDF:3169140.9/24

Right Out: 1531.481+/-0.268 χ^2/NDF: 2972457.1/34

Left In: 441.009+/-0.078 χ^2/NDF:2597018.1/22

Left: 441.354+/-0.055 χ^2/NDF: 5766197.3/47

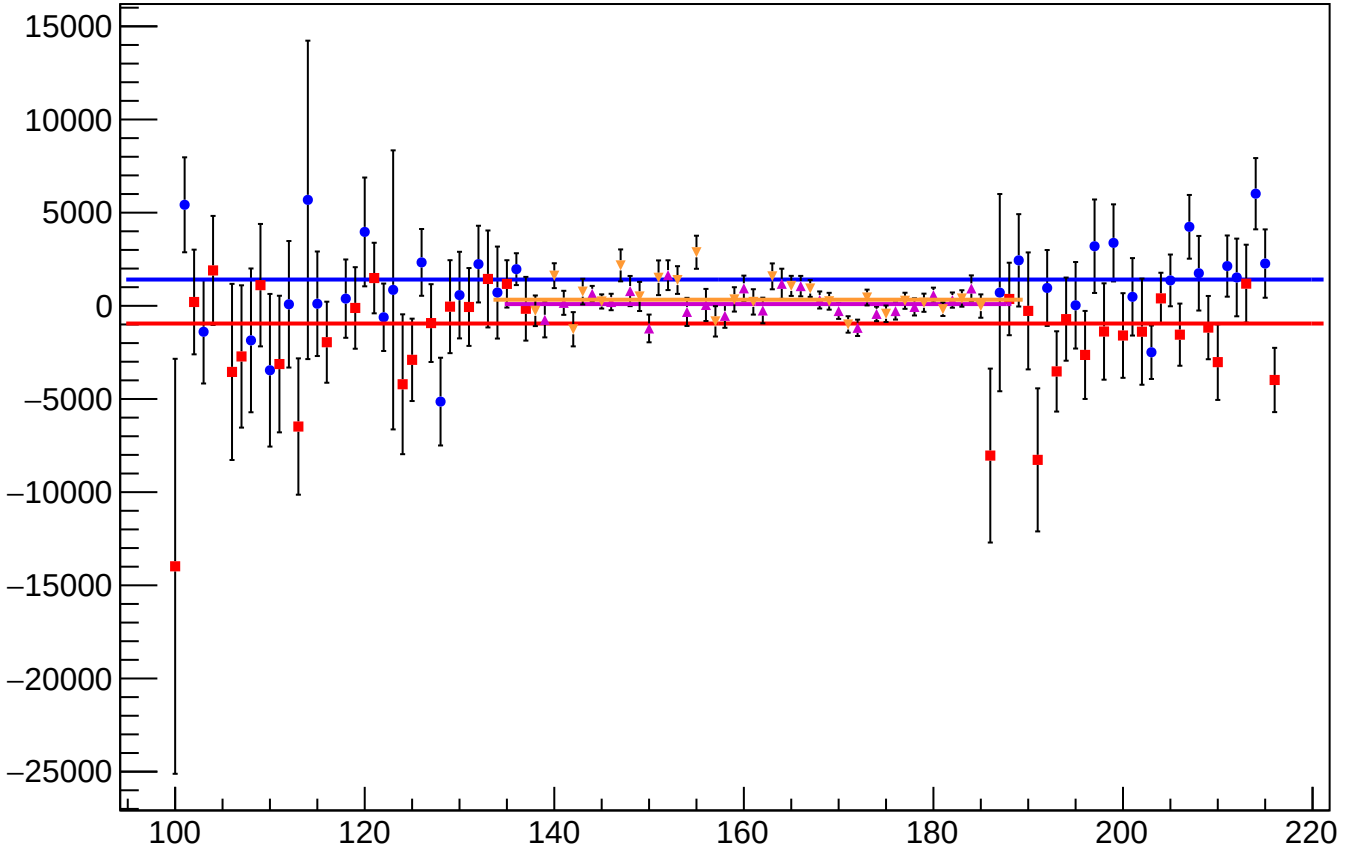
Right: 1469.320+/-0.184 χ^2/NDF: 6004361.9/66

In: 525.902+/-0.074 χ^2/NDF:19119836.7/54

Out: 523.730+/-0.073 χ^2/NDF:21469187.9/59

All: 524.801+/-0.052 χ^2/NDF: 40589455.8/11

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1410.846+/-358.790 χ^2/NDF: 35.9/31

Left Out: 328.599+/-109.668 χ^2/NDF:47.7/24

Right Out: -950.419+/-380.847 χ^2/NDF: 28.6/34

Left In: 93.310+/-111.960 χ^2/NDF:33.3/22

Left: 213.387+/-78.345 χ^2/NDF: 83.3/47

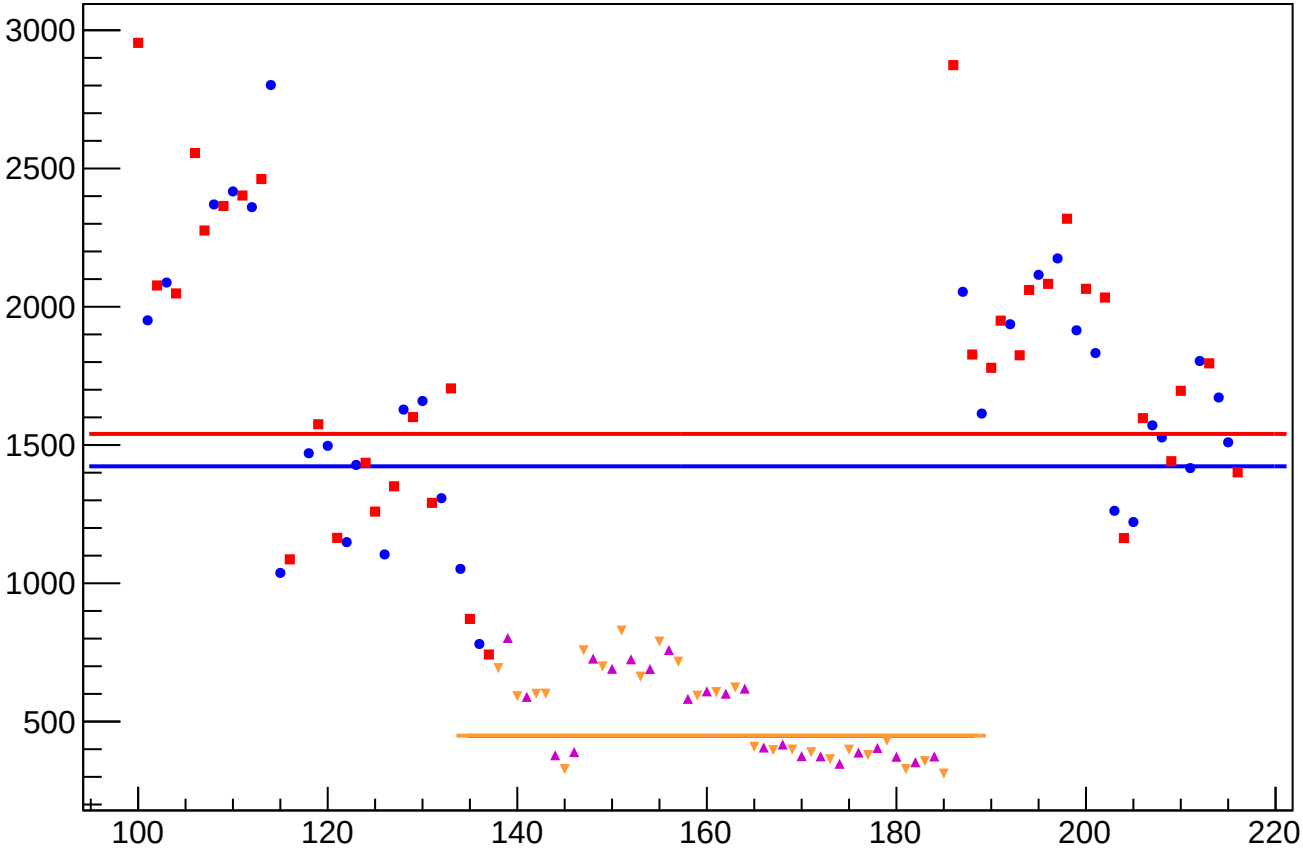
Right: 300.567+/-261.153 χ^2/NDF: 84.8/66

In: 210.220+/-106.877 χ^2/NDF:81.5/54

Out: 230.663+/-105.386 χ^2/NDF:86.7/59

All: 220.585+/-75.041 χ^2/NDF: 168.3/114

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1423.011+/-0.254 χ^2/NDF: 2918524.0/31

Left Out: 449.016+/-0.078 χ^2/NDF:3090476.2/24

Right Out: 1540.125+/-0.269 χ^2/NDF: 2991974.2/34

Left In: 448.307+/-0.079 χ^2/NDF:2537376.0/22

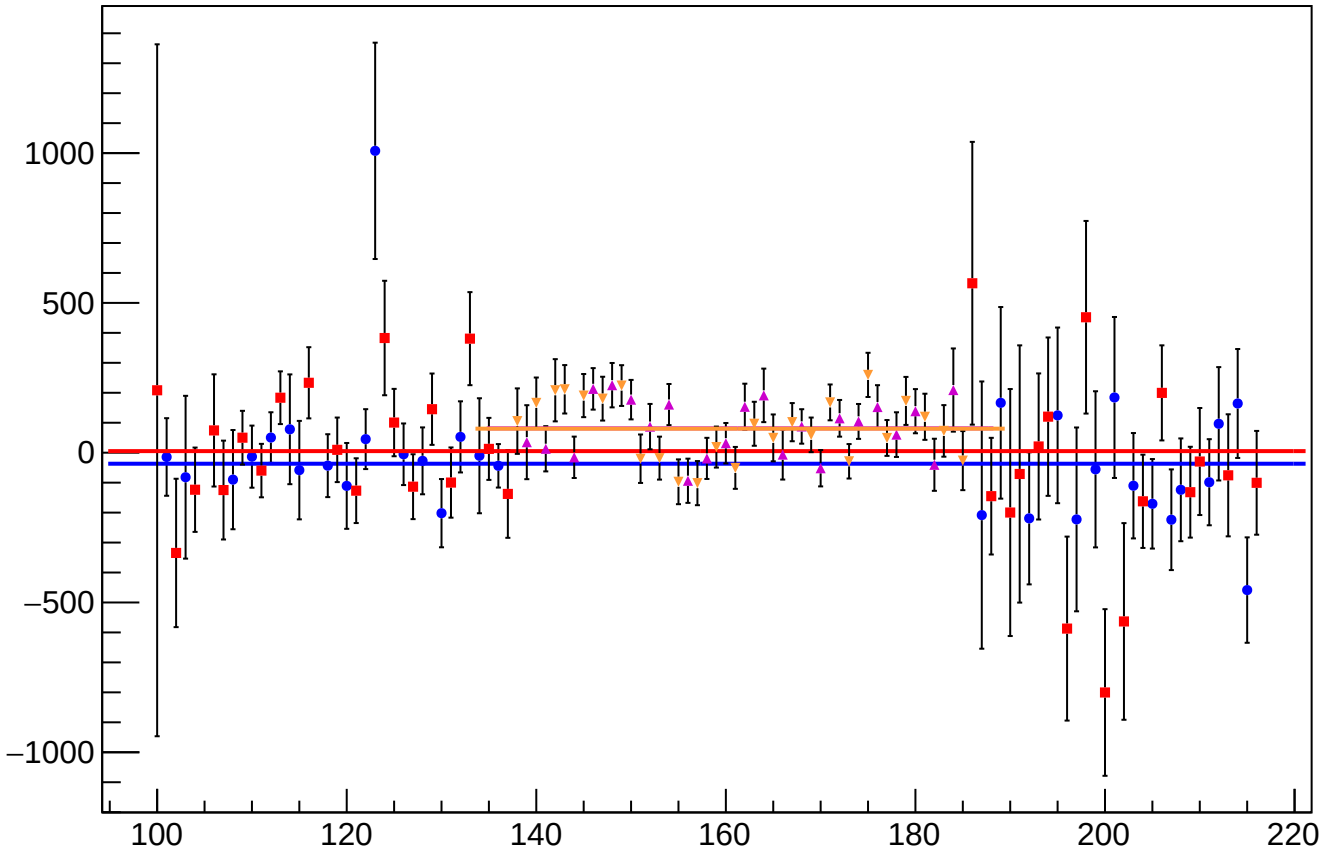
Left: 448.669+/-0.055 χ^2/NDF: 5627893.2/47

Right: 1478.079+/-0.185 χ^2/NDF: 6010695.2/66

In: 534.796+/-0.076 χ^2/NDF:18906429.0/54

Out: 532.563+/-0.075 χ^2/NDF:21241361.6/59

All: 533.664+/-0.053 χ^2/NDF: 40148233.0/11



Right In: -36.832+/-25.251 χ^2/NDF: 26.5/31

Left Out: 80.171+/-14.592 χ^2/NDF:48.6/24

Right Out: 5.254+/-25.000 χ^2/NDF: 52.0/34

Left In: 81.156+/-15.105 χ^2/NDF:35.3/22

Left: 80.646+/-10.495 χ^2/NDF: 83.8/47

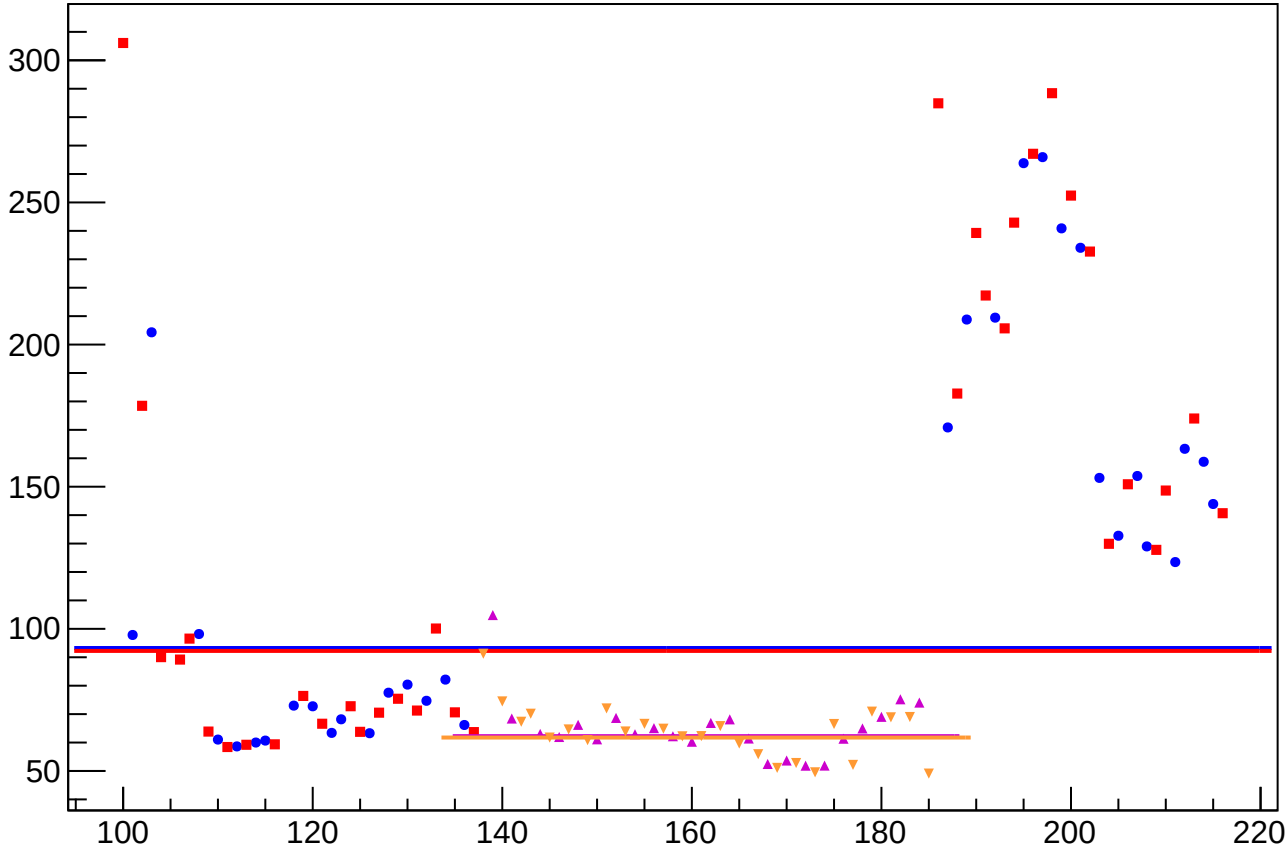
Right: -15.579+/-17.766 χ^2/NDF: 79.9/66

In: 50.060+/-12.963 χ^2/NDF:77.9/54

Out: 61.133+/-12.602 χ^2/NDF:107.2/59

All: 55.753+/-9.036 χ^2/NDF: 185.5/114

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 93.253+/-0.018 χ^2/NDF: 6769138.2/31

Left Out: 61.761+/-0.010 χ^2/NDF:645535.0/24

Right Out: 92.236+/-0.018 χ^2/NDF: 7766965.6/34

Left In: 62.250+/-0.011 χ^2/NDF:591085.1/22

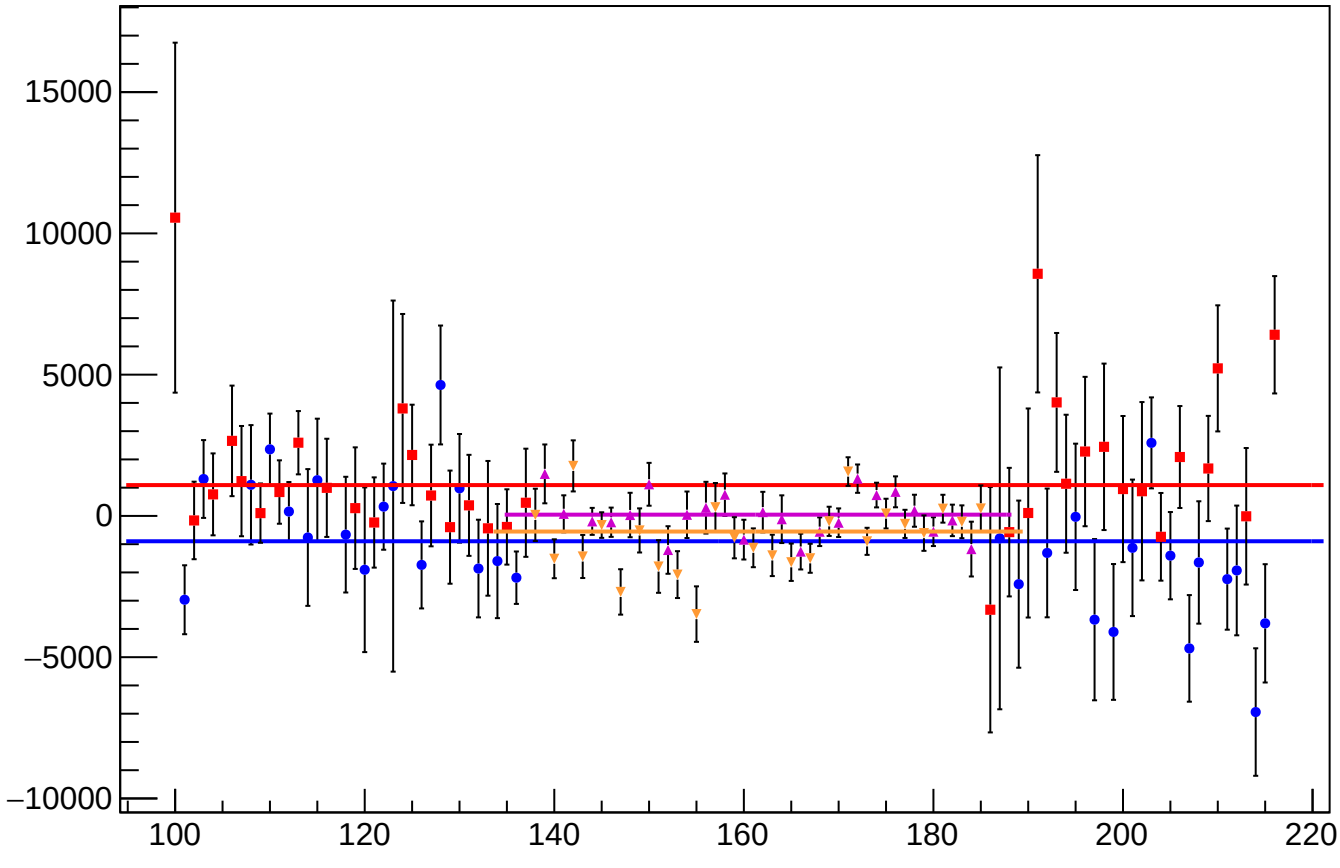
Left: 61.997+/-0.007 χ^2/NDF: 1237703.8/47

Right: 92.740+/-0.013 χ^2/NDF: 14537742.6/66

In: 70.421+/-0.009 χ^2/NDF:9580691.8/54

Out: 69.505+/-0.009 χ^2/NDF:10629259.3/59

All: 69.950+/-0.006 χ^2/NDF: 20215079.9/114



Right In: -896.618+/-316.323 χ^2/NDF: 48.3/31

Left Out: -552.511+/-126.981 χ^2/NDF:65.3/24

Right Out: 1091.352+/-314.421 χ^2/NDF: 29.6/34

Left In: 44.578+/-129.095 χ^2/NDF:29.6/22

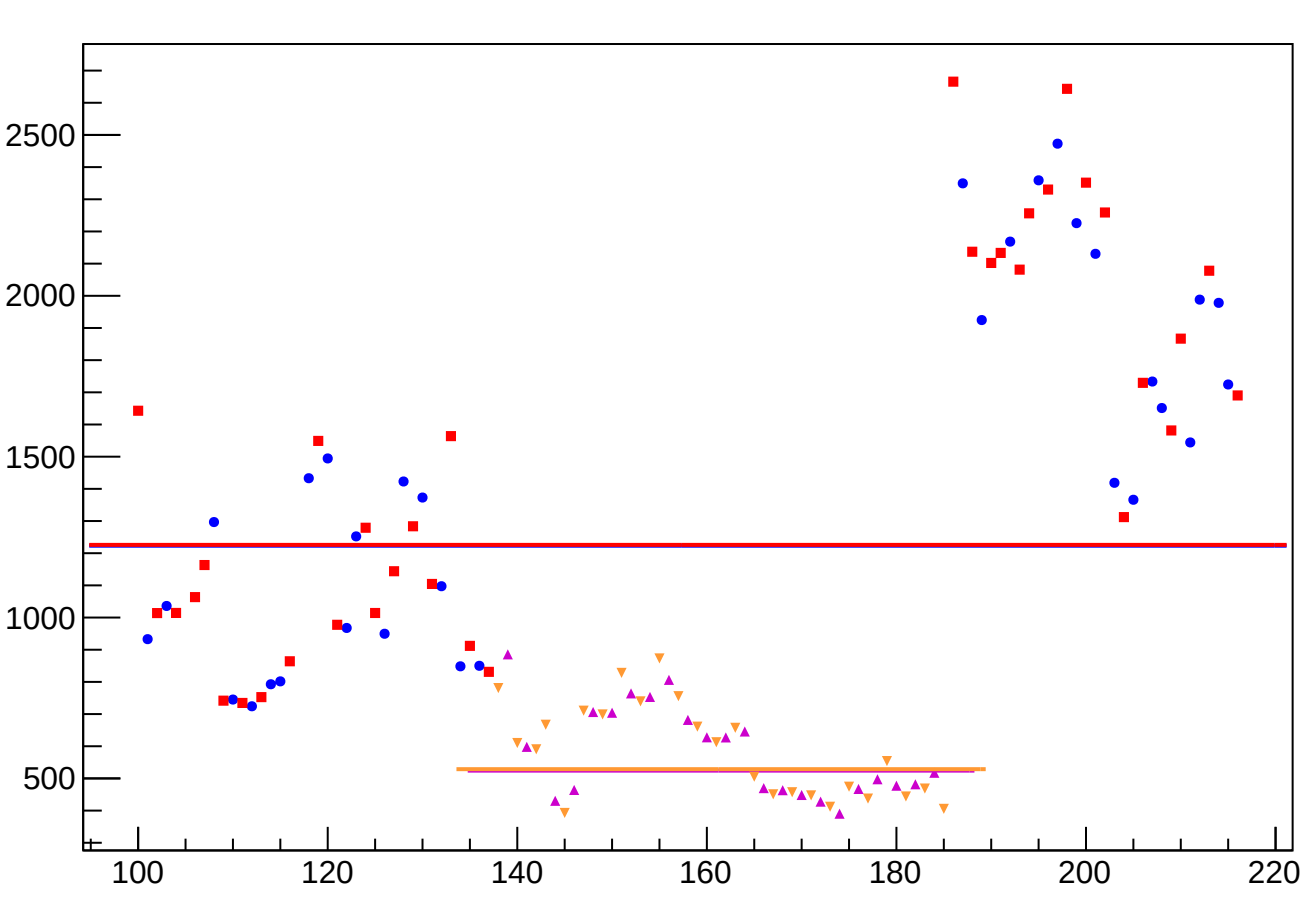
Left: -258.894+/-90.527 χ^2/NDF: 105.7/47

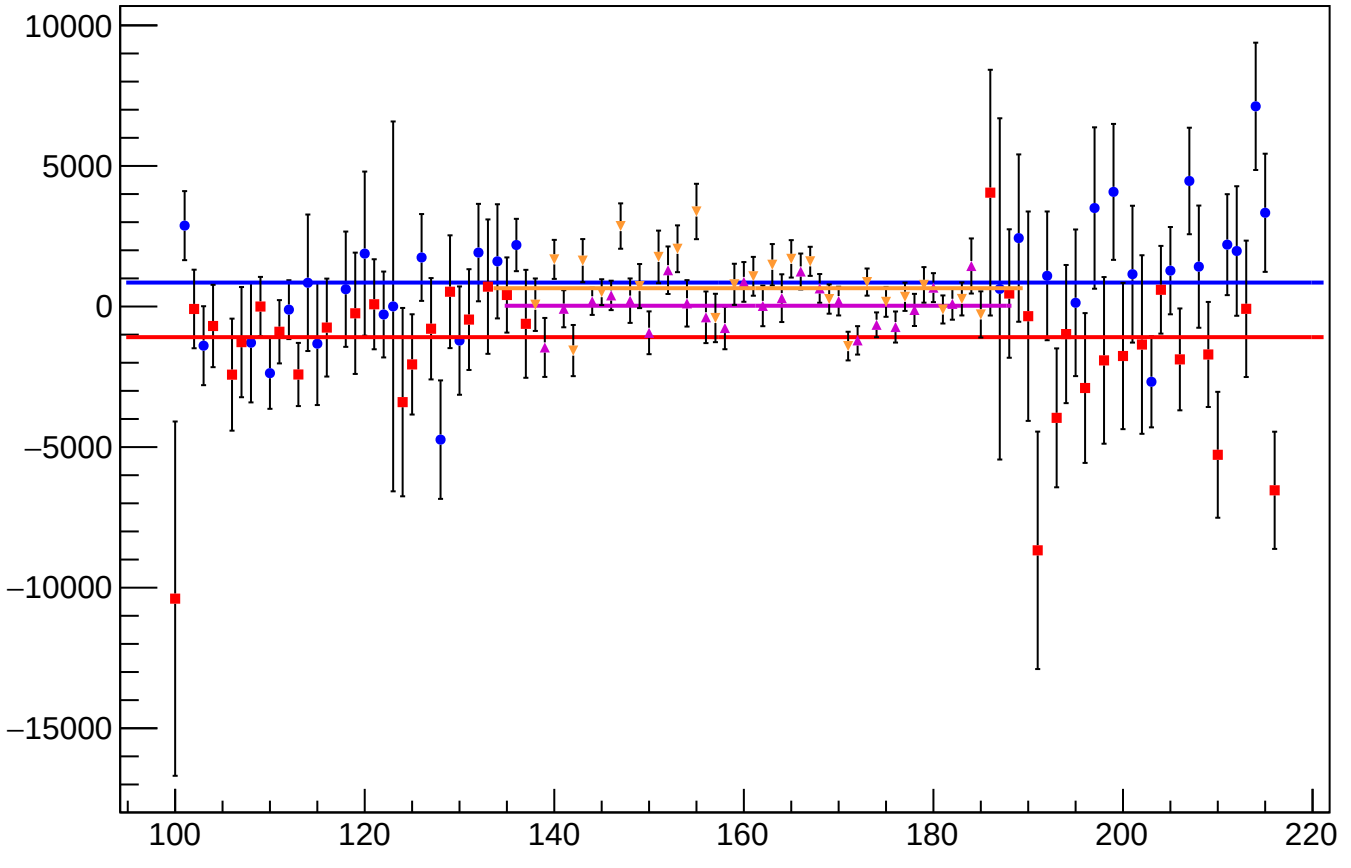
Right: 103.364+/-222.999 χ^2/NDF: 97.8/66

In: -89.800+/-119.524 χ^2/NDF:85.5/54

Out: -321.993+/-117.742 χ^2/NDF:118.4/59

All: -207.641+/-83.879 χ^2/NDF: 205.8/114


asym_sam_37_avg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1223.344+/-0.224 χ²/NDF: 4445338.5/31
Left Out: 528.736+/-0.090 χ²/NDF:1983697.7/24
Right Out: 1225.865+/-0.222 χ²/NDF: 5239877.1/34
Left In: 524.268+/-0.091 χ²/NDF:1716257.3/22
Left: 526.539+/-0.064 χ²/NDF: 3701172.5/47
Right: 1224.612+/-0.158 χ²/NDF: 9685279.6/66
In: 624.078+/-0.085 χ²/NDF:14535174.3/54
Out: 626.494+/-0.083 χ²/NDF:15676710.7/59
All: 625.304+/-0.059 χ²/NDF: 30212299.7/1



Right In: 851.828+/-317.790 χ^2/NDF: 47.8/31

Left Out: 651.560+/-127.961 χ^2/NDF:61.1/24

Right Out: -1089.553+/-315.992 χ^2/NDF: 28.9/34

Left In: 27.483+/-130.127 χ^2/NDF:28.5/22

Left: 344.758+/-91.238 χ^2/NDF: 101.2/47

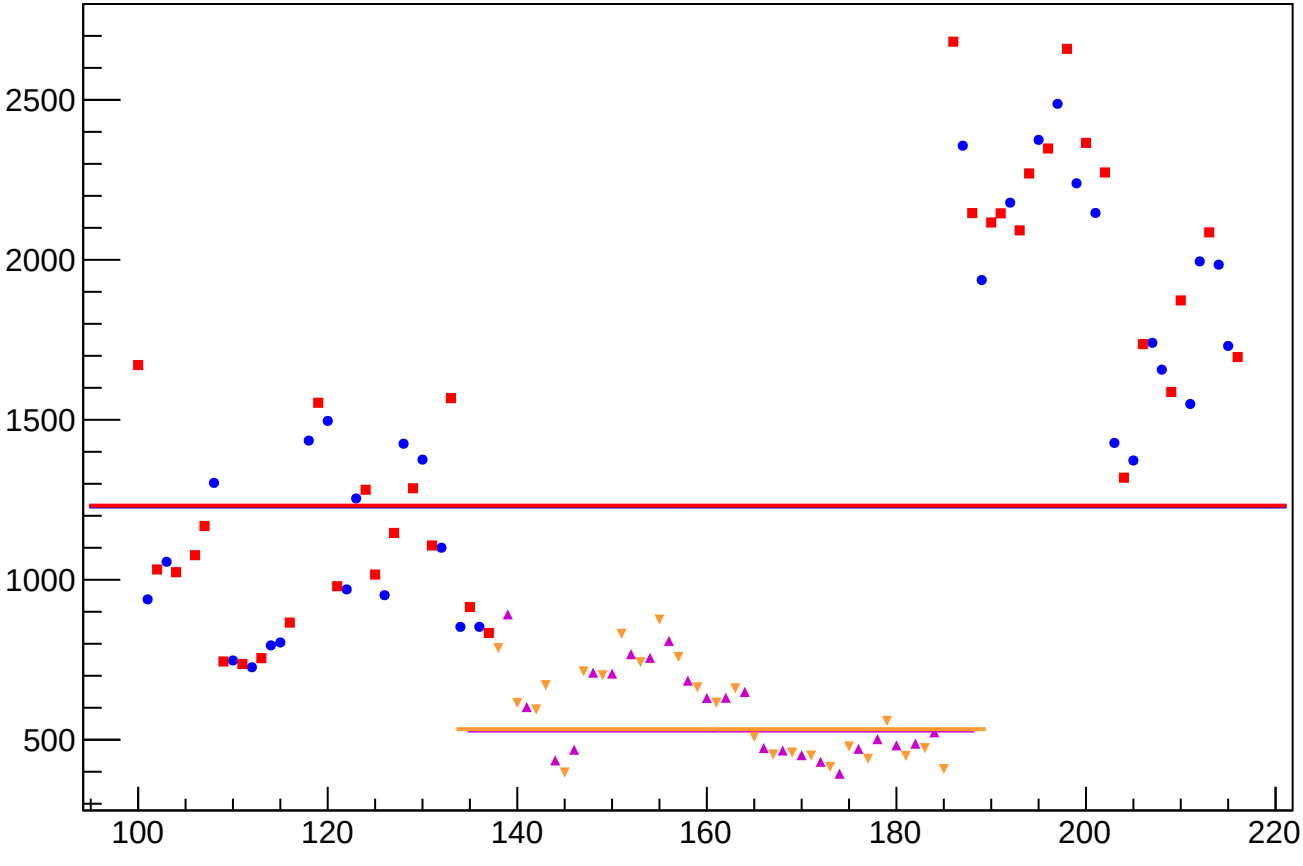
Right: -124.370+/-224.073 χ^2/NDF: 95.5/66

In: 145.853+/-120.422 χ^2/NDF:82.0/54

Out: 406.268+/-118.605 χ^2/NDF:116.1/59

All: 278.040+/-84.502 χ^2/NDF: 200.5/114

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1228.934+/-0.225 χ^2/NDF: 4449683.5/31

Left Out: 533.060+/-0.090 χ^2/NDF:1951536.4/24

Right Out: 1231.706+/-0.223 χ^2/NDF: 5246710.1/34

Left In: 528.694+/-0.092 χ^2/NDF:1688511.2/22

Left: 530.914+/-0.065 χ^2/NDF: 3641192.3/47

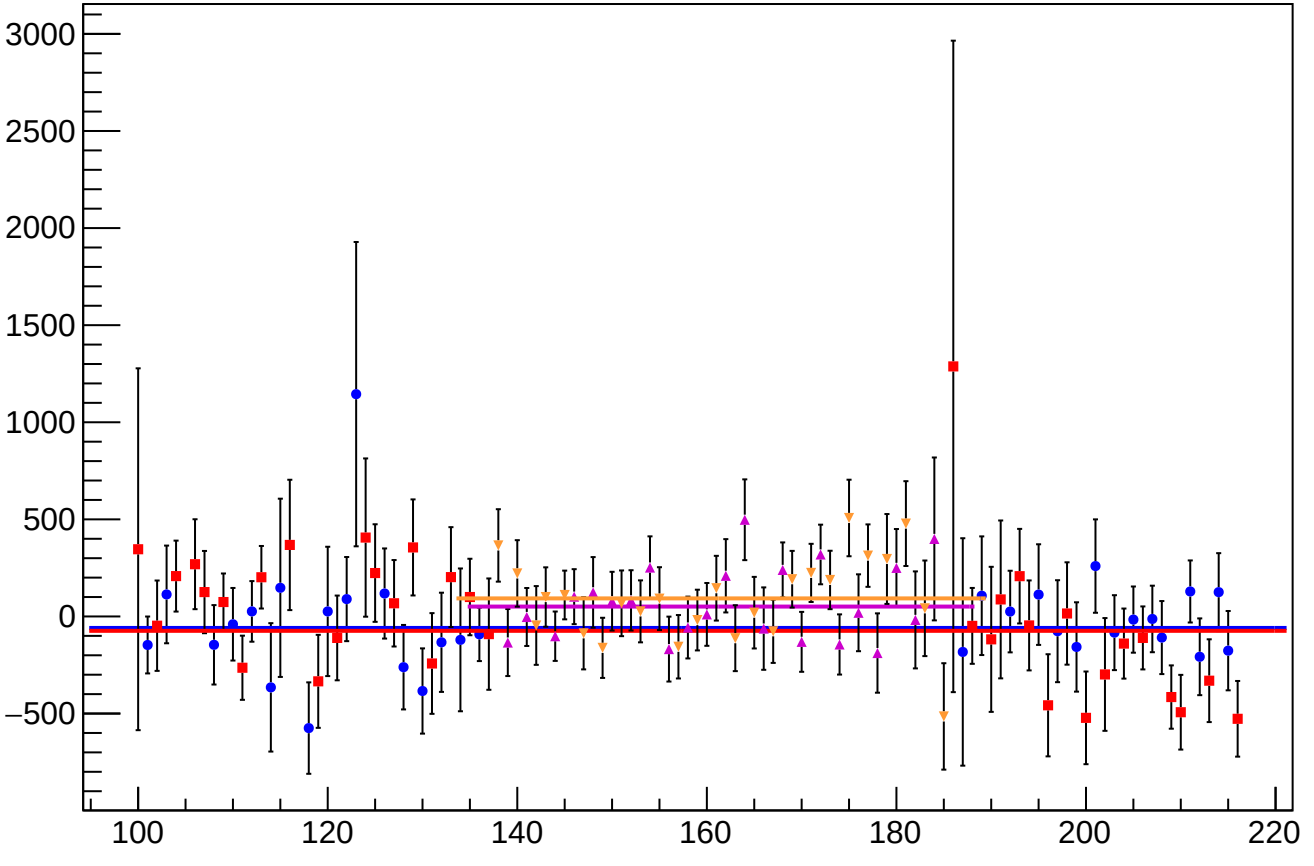
Right: 1230.328+/-0.158 χ^2/NDF: 9696470.0/66

In: 629.243+/-0.085 χ^2/NDF:14454362.8/54

Out: 631.487+/-0.084 χ^2/NDF:15597567.4/59

All: 630.382+/-0.060 χ^2/NDF: 30052282.5/11

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -59.198+/-37.939 χ^2/NDF: 20.1/31

Left Out: 92.994+/-34.054 χ^2/NDF:29.4/24

Right Out: -74.003+/-37.772 χ^2/NDF: 47.2/34

Left In: 50.896+/-35.280 χ^2/NDF:23.5/22

Left: 72.689+/-24.502 χ^2/NDF: 53.6/47

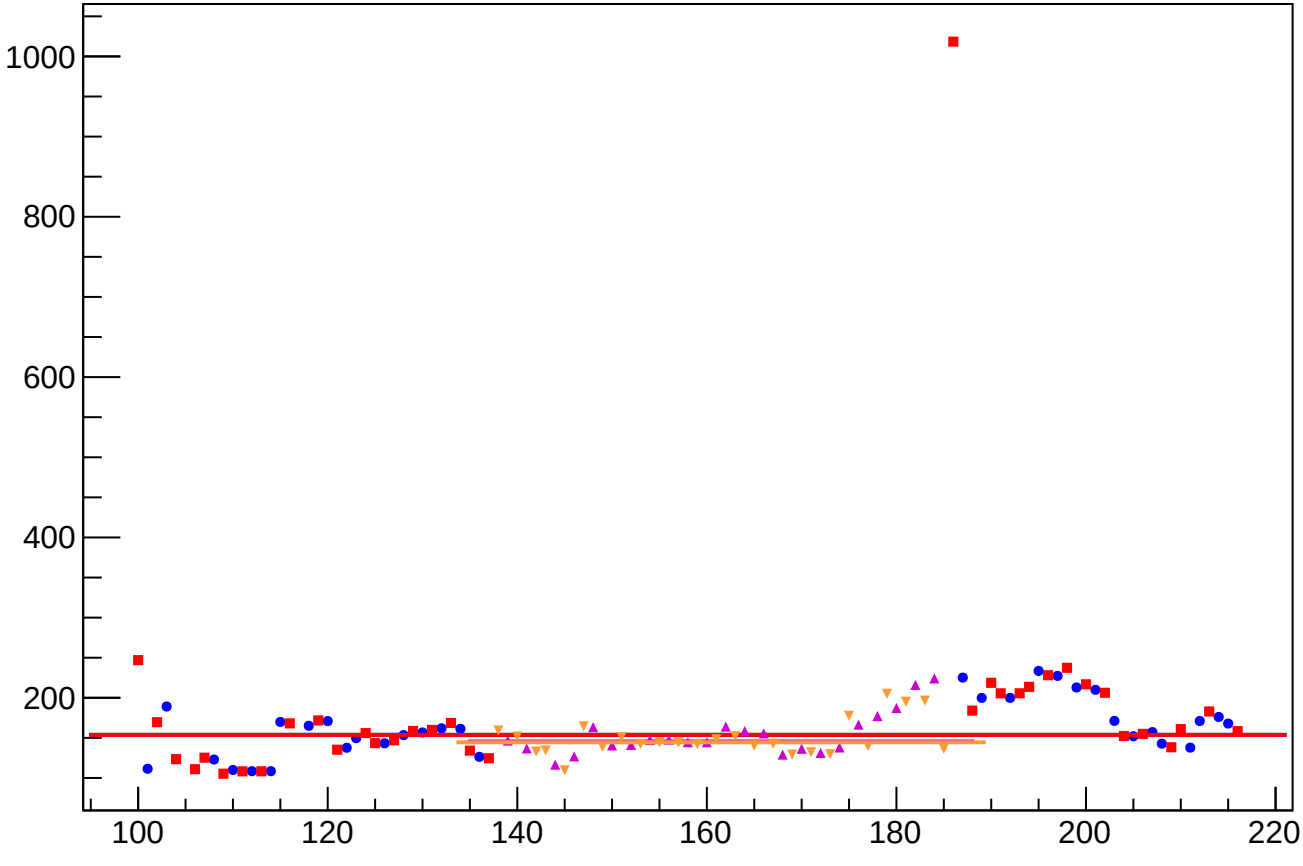
Right: -66.633+/-26.768 χ^2/NDF: 67.4/66

In: -0.158+/-25.836 χ^2/NDF:48.1/54

Out: 18.117+/-25.292 χ^2/NDF:87.4/59

All: 9.174+/-18.073 χ^2/NDF: 135.7/114

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.810+/-0.027 χ^2/NDF: 1529964.5/31

Left Out: 144.475+/-0.024 χ^2/NDF:670488.7/24

Right Out: 153.711+/-0.027 χ^2/NDF: 2323886.6/34

Left In: 145.535+/-0.025 χ^2/NDF:643529.3/22

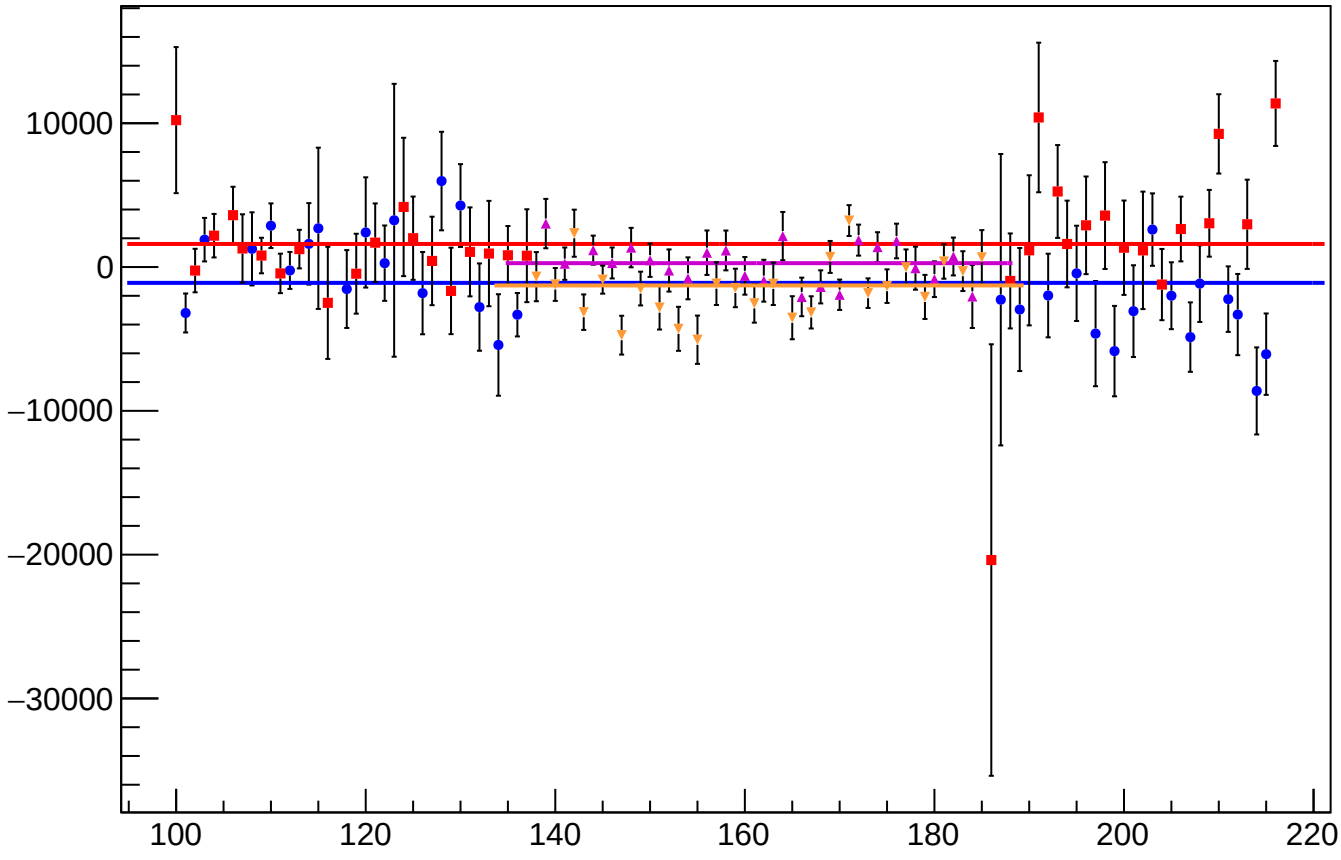
Left: 144.986+/-0.017 χ^2/NDF: 1314951.6/47

Right: 153.760+/-0.019 χ^2/NDF: 3853858.1/66

In: 149.372+/-0.018 χ^2/NDF:2224526.6/54

Out: 148.616+/-0.018 χ^2/NDF:3060329.5/59

All: 148.986+/-0.013 χ^2/NDF: 5285731.2/114



Right In: -1100.426+/-430.959 χ^2/NDF: 47.5/31

Left Out: -1279.328+/-259.299 χ^2/NDF:55.9/24

Right Out: 1605.323+/-411.837 χ^2/NDF: 39.9/34

Left In: 269.952+/-266.245 χ^2/NDF:24.3/22

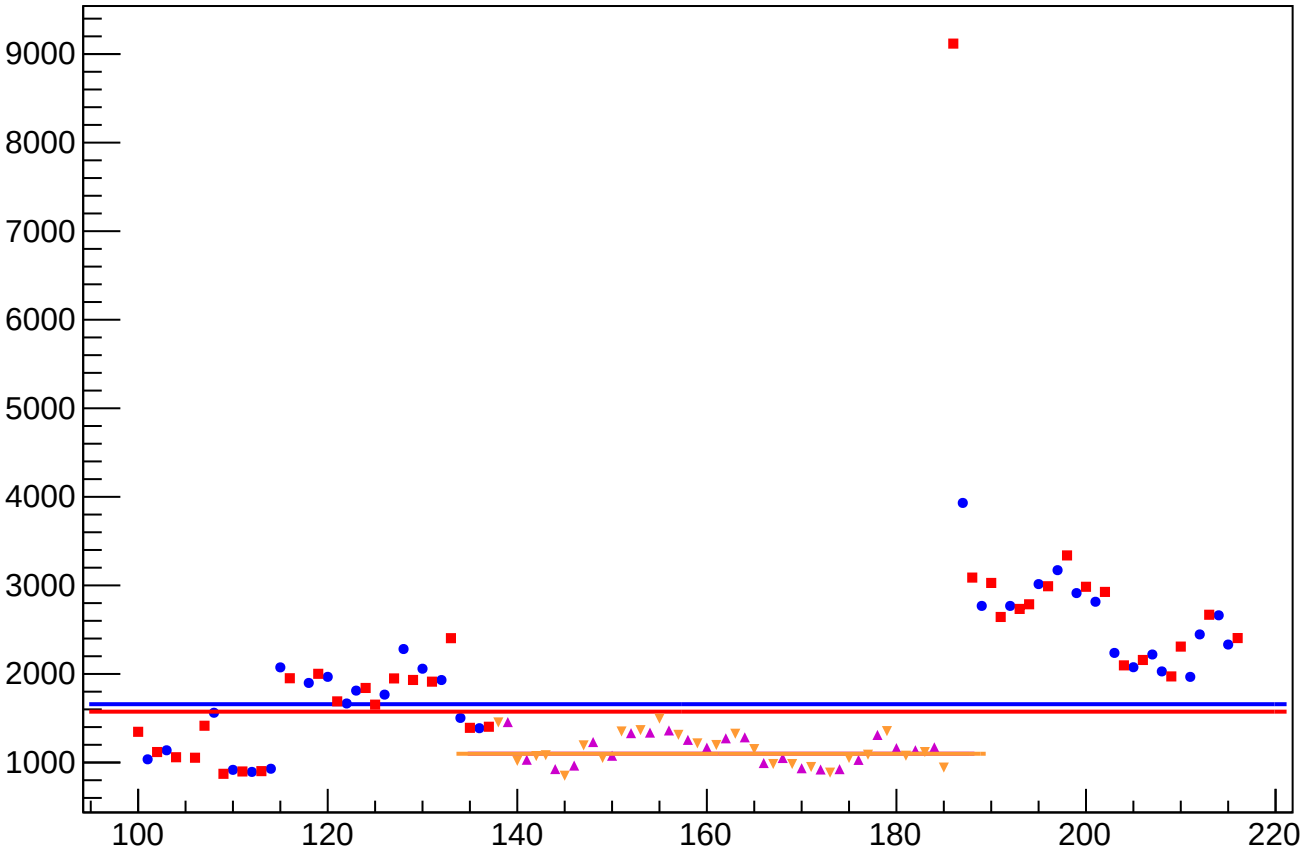
Left: -525.161+/-185.759 χ^2/NDF: 97.6/47

Right: 313.806+/-297.743 χ^2/NDF: 108.0/66

In: -108.601+/-226.506 χ^2/NDF:79.1/54

Out: -460.432+/-219.429 χ^2/NDF:131.0/59

All: -290.098+/-157.602 χ^2/NDF: 211.3/114



Right In: 1658.536+/-0.305 χ^2/NDF: 4818251.6/31

Left Out: 1098.909+/-0.183 χ^2/NDF:824328.7/24

Right Out: 1574.251+/-0.291 χ^2/NDF: 6446210.7/34

Left In: 1099.585+/-0.188 χ^2/NDF:679896.1/22

Left: 1099.238+/-0.131 χ^2/NDF: 1504231.4/47

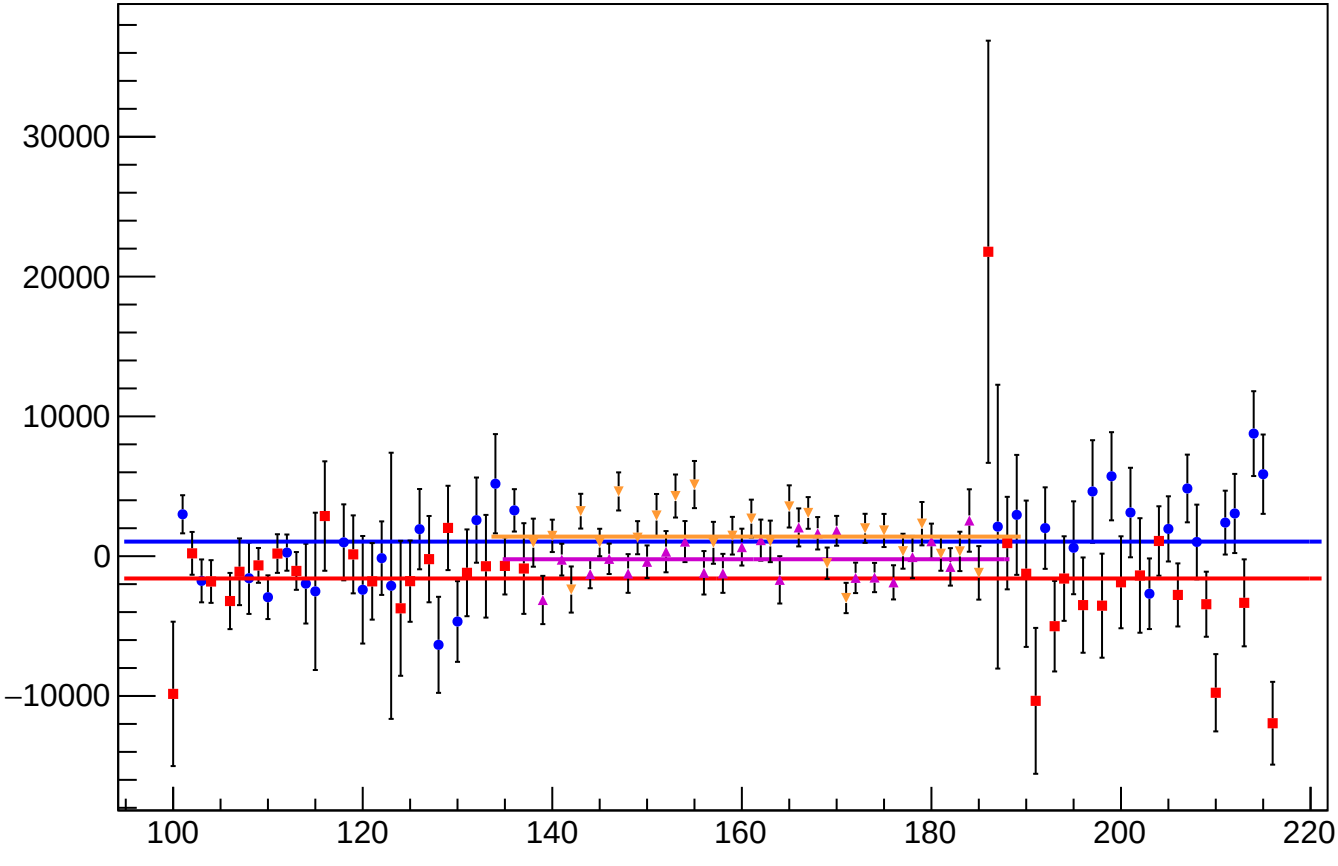
Right: 1614.482+/-0.211 χ^2/NDF: 11304446.5/66

In: 1253.990+/-0.160 χ^2/NDF:7933153.5/54

Out: 1233.849+/-0.155 χ^2/NDF:9178531.7/59

All: 1243.600+/-0.111 χ^2/NDF: 17119842.3/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 1042.519+/-433.227 χ^2/NDF: 47.3/31

Left Out: 1400.458+/-261.804 χ^2/NDF:52.2/24

Right Out: -1595.073+/-414.436 χ^2/NDF: 41.7/34

Left In: -219.393+/-268.852 χ^2/NDF:25.0/22

Left: 612.044+/-187.566 χ^2/NDF: 95.9/47

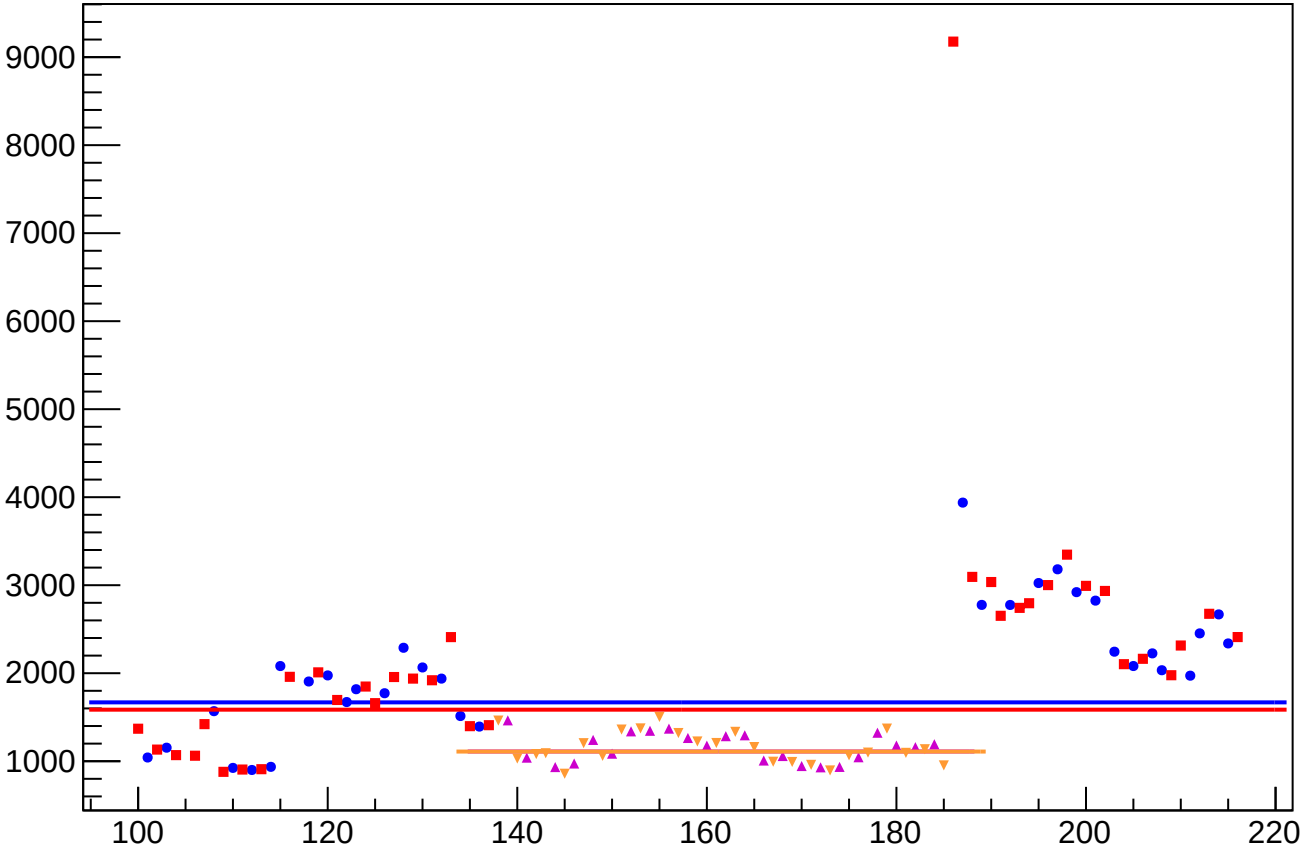
Right: -334.717+/-299.473 χ^2/NDF: 108.4/66

In: 131.471+/-228.439 χ^2/NDF:78.4/54

Out: 546.031+/-221.339 χ^2/NDF:131.3/59

All: 345.293+/-158.961 χ^2/NDF: 211.4/114

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1668.726+/-0.306 χ^2/NDF: 4767547.3/31

Left Out: 1109.761+/-0.185 χ^2/NDF:812174.9/24

Right Out: 1585.663+/-0.293 χ^2/NDF: 6382285.6/34

Left In: 1110.542+/-0.190 χ^2/NDF:669928.9/22

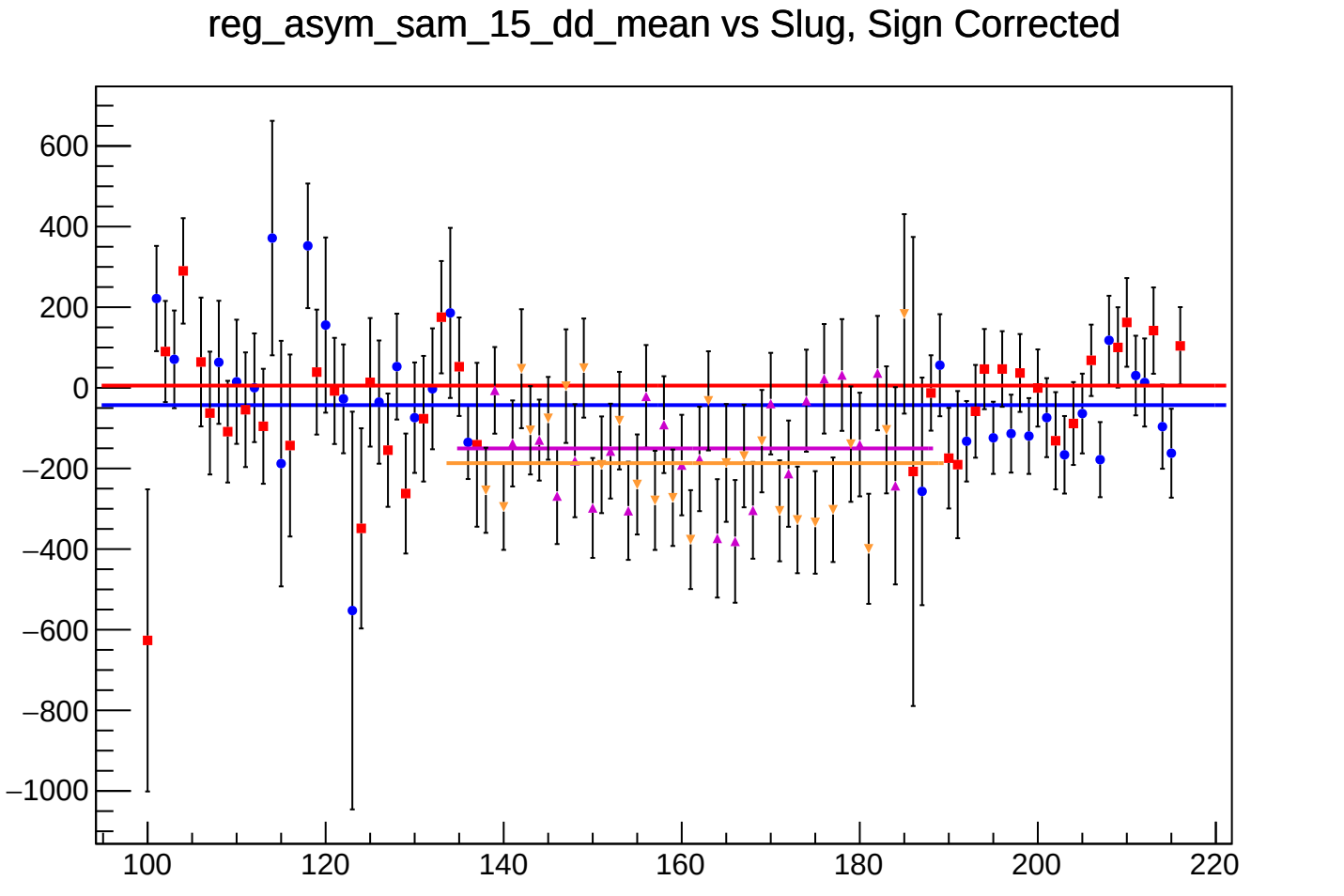
Left: 1110.141+/-0.133 χ^2/NDF: 1482112.5/47

Right: 1625.354+/-0.212 χ^2/NDF: 11188222.1/66

In: 1265.740+/-0.162 χ^2/NDF:7834467.9/54

Out: 1245.505+/-0.157 χ^2/NDF:9079470.5/59

All: 1255.303+/-0.112 χ^2/NDF: 16922032.5/1



Right In: -42.874+/-21.590 χ^2/NDF: 31.6/31

Left Out: -186.838+/-25.308 χ^2/NDF:26.6/24

Right Out: 5.583+/-21.249 χ^2/NDF: 31.8/34

Left In: -150.315+/-26.445 χ^2/NDF:20.7/22

Left: -169.379+/-18.284 χ^2/NDF: 48.3/47

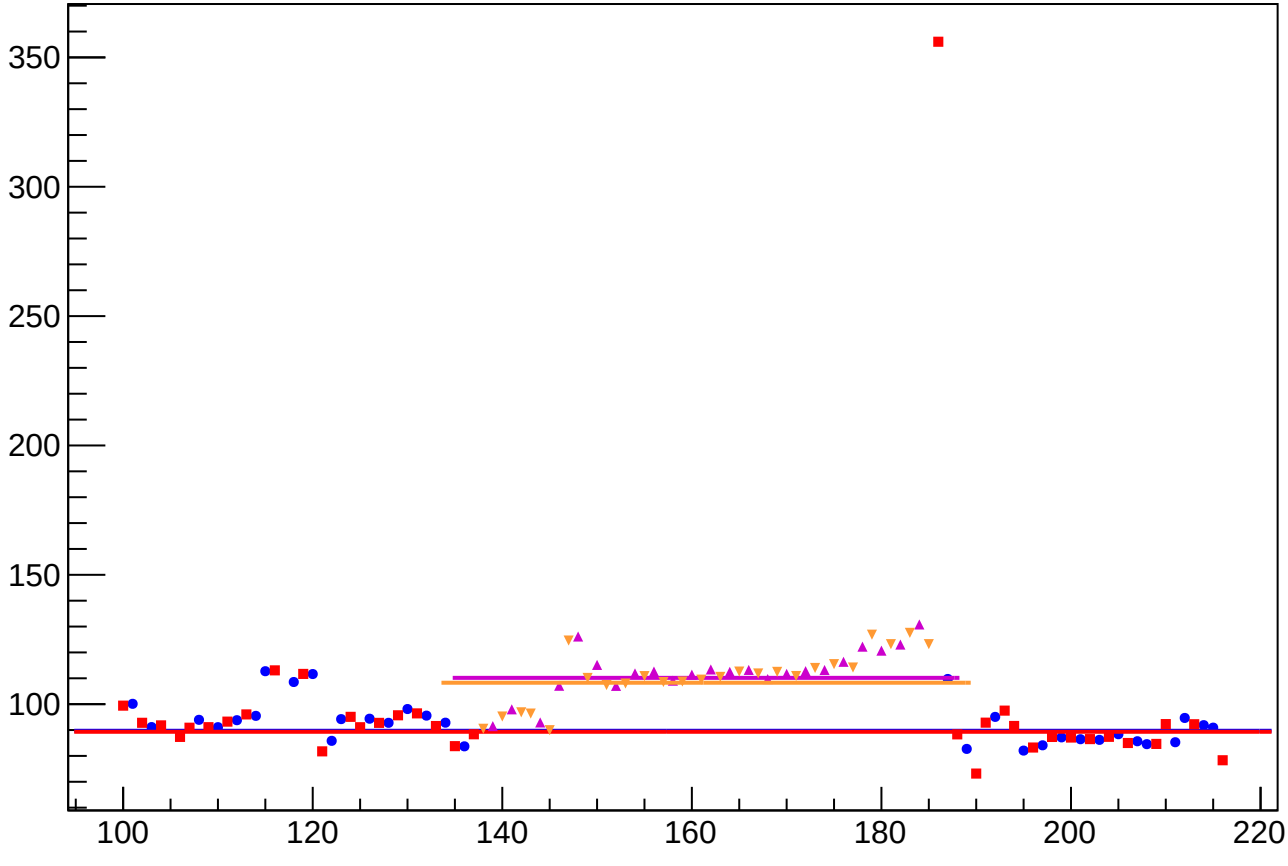
Right: -18.260+/-15.145 χ^2/NDF: 65.9/66

In: -85.846+/-16.724 χ^2/NDF:62.1/54

Out: -73.979+/-16.274 χ^2/NDF:92.3/59

All: -79.750+/-11.663 χ^2/NDF: 154.7/114

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.716+/-0.015 χ^2/NDF: 170924.3/31

Left Out: 108.287+/-0.018 χ^2/NDF:330693.5/24

Right Out: 89.328+/-0.015 χ^2/NDF: 612522.6/34

Left In: 110.173+/-0.019 χ^2/NDF:246967.7/22

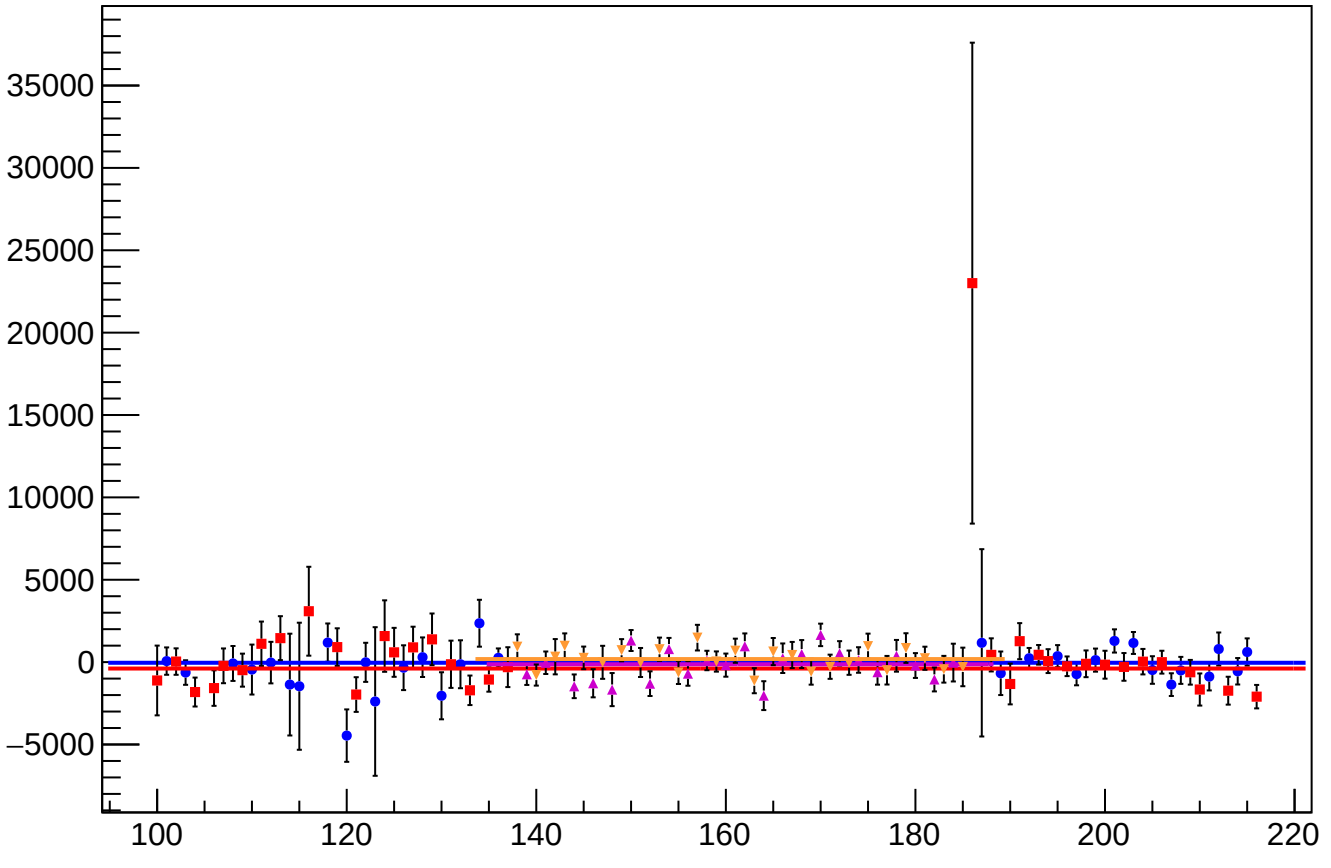
Left: 109.189+/-0.013 χ^2/NDF: 582969.0/47

Right: 89.519+/-0.011 χ^2/NDF: 783774.4/66

In: 97.898+/-0.012 χ^2/NDF:1136043.4/54

Out: 97.168+/-0.012 χ^2/NDF:1601522.8/59

All: 97.523+/-0.008 χ^2/NDF: 2739526.0/114



Right In: -39.741+/-163.619 χ^2/NDF: 31.1/31

Left Out: 185.392+/-153.683 χ^2/NDF:18.4/24

Right Out: -389.561+/-160.100 χ^2/NDF: 38.7/34

Left In: -128.782+/-157.155 χ^2/NDF:36.2/22

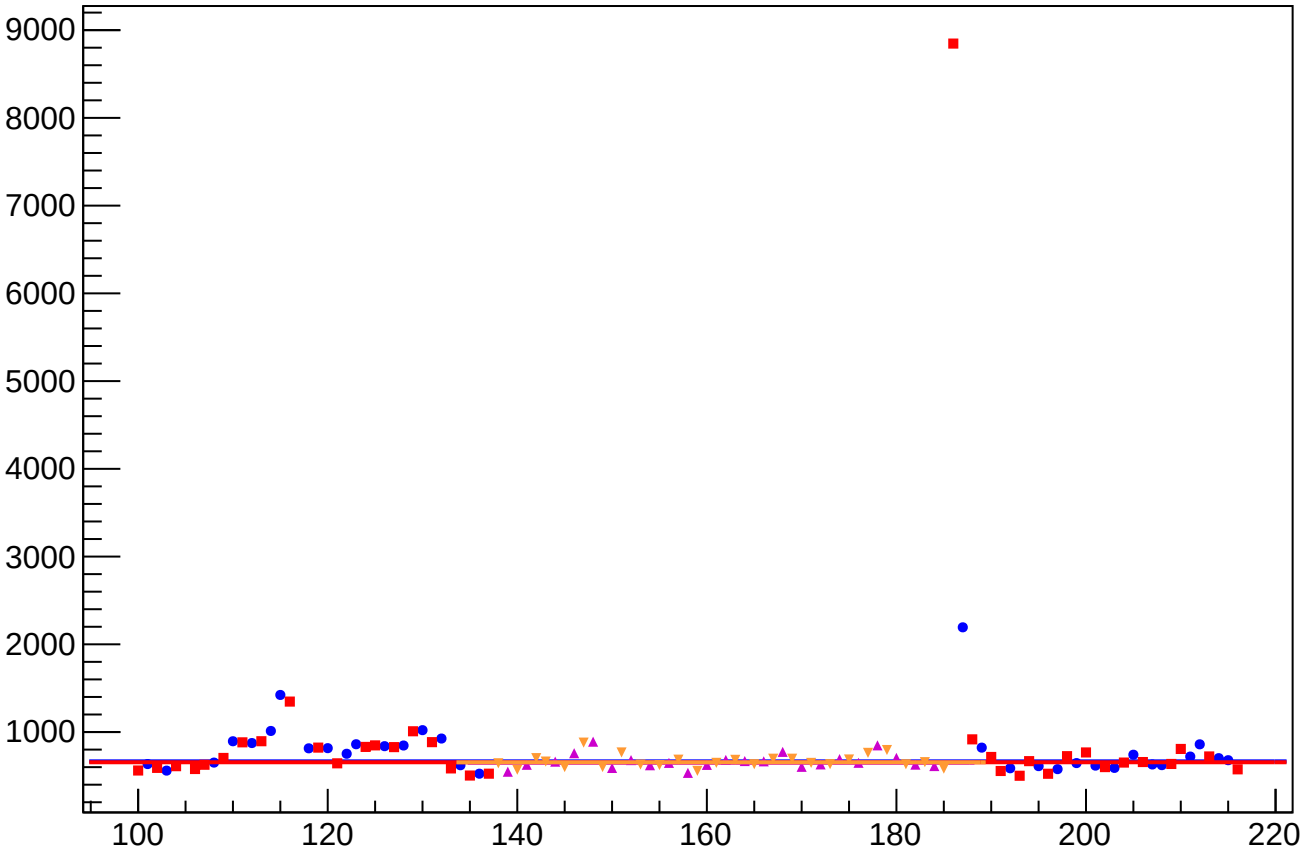
Left: 31.814+/-109.877 χ^2/NDF: 56.6/47

Right: -218.453+/-114.432 χ^2/NDF: 72.1/66

In: -86.055+/-113.342 χ^2/NDF:67.5/54

Out: -90.331+/-110.869 χ^2/NDF:63.8/59

All: -88.240+/-79.256 χ^2/NDF: 131.2/114



Right In: 666.141+/-0.116 χ^2/NDF: 1102303.3/31

Left Out: 655.155+/-0.109 χ^2/NDF:367349.8/24

Right Out: 655.679+/-0.113 χ^2/NDF: 1853591.4/34

Left In: 650.883+/-0.111 χ^2/NDF:466116.8/22

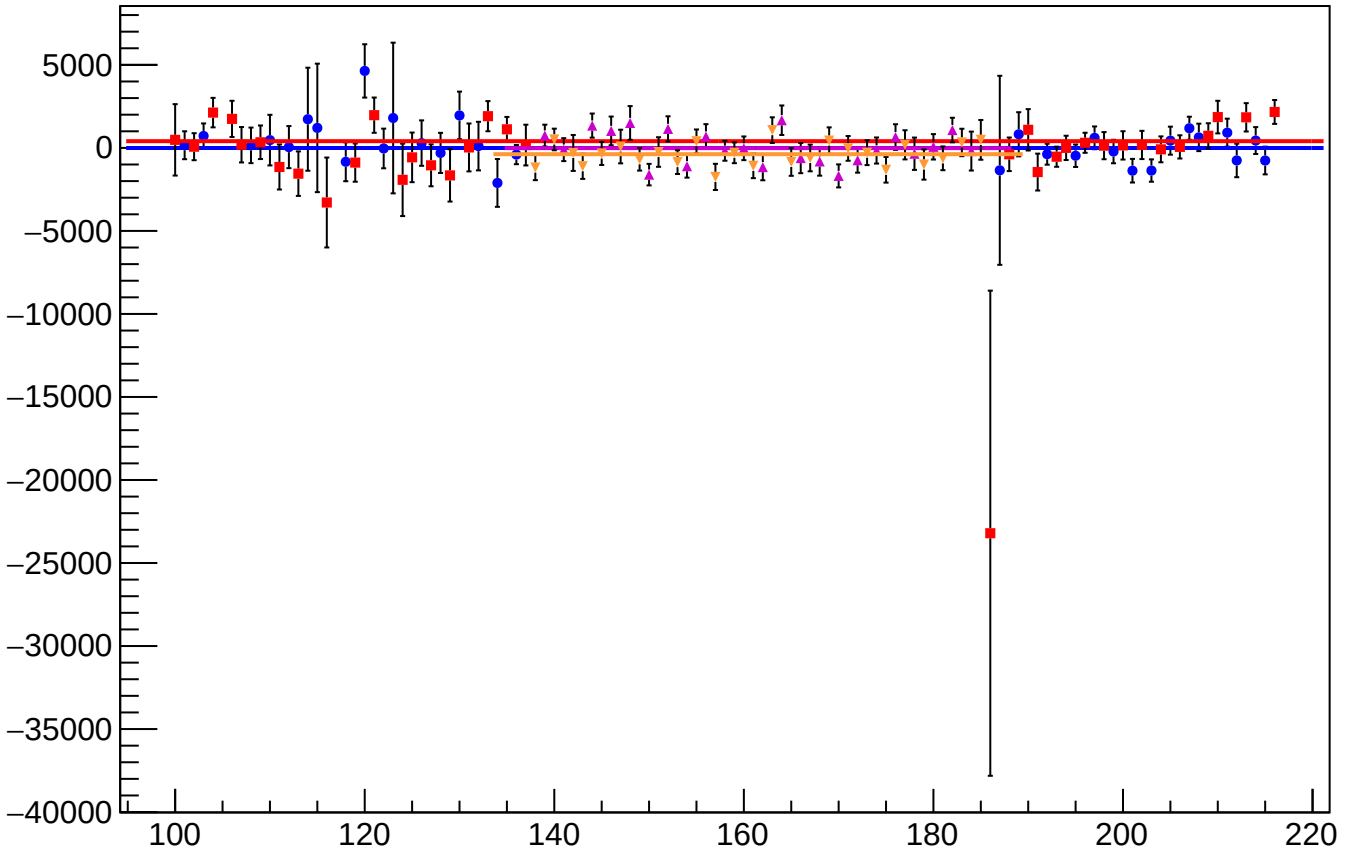
Left: 653.067+/-0.078 χ^2/NDF: 834222.1/47

Right: 660.796+/-0.081 χ^2/NDF: 2960071.4/66

In: 658.205+/-0.080 χ^2/NDF:1577466.0/54

Out: 655.407+/-0.078 χ^2/NDF:2220952.3/59

All: 656.775+/-0.056 χ^2/NDF: 3799041.1/114



Right In: -5.863+/-165.227 χ^2/NDF: 31.6/31

Left Out: -379.470+/-155.892 χ^2/NDF:18.8/24

Right Out: 405.204+/-161.771 χ^2/NDF: 43.7/34

Left In: -14.768+/-159.513 χ^2/NDF:37.2/22

Left: -201.306+/-111.491 χ^2/NDF: 58.7/47

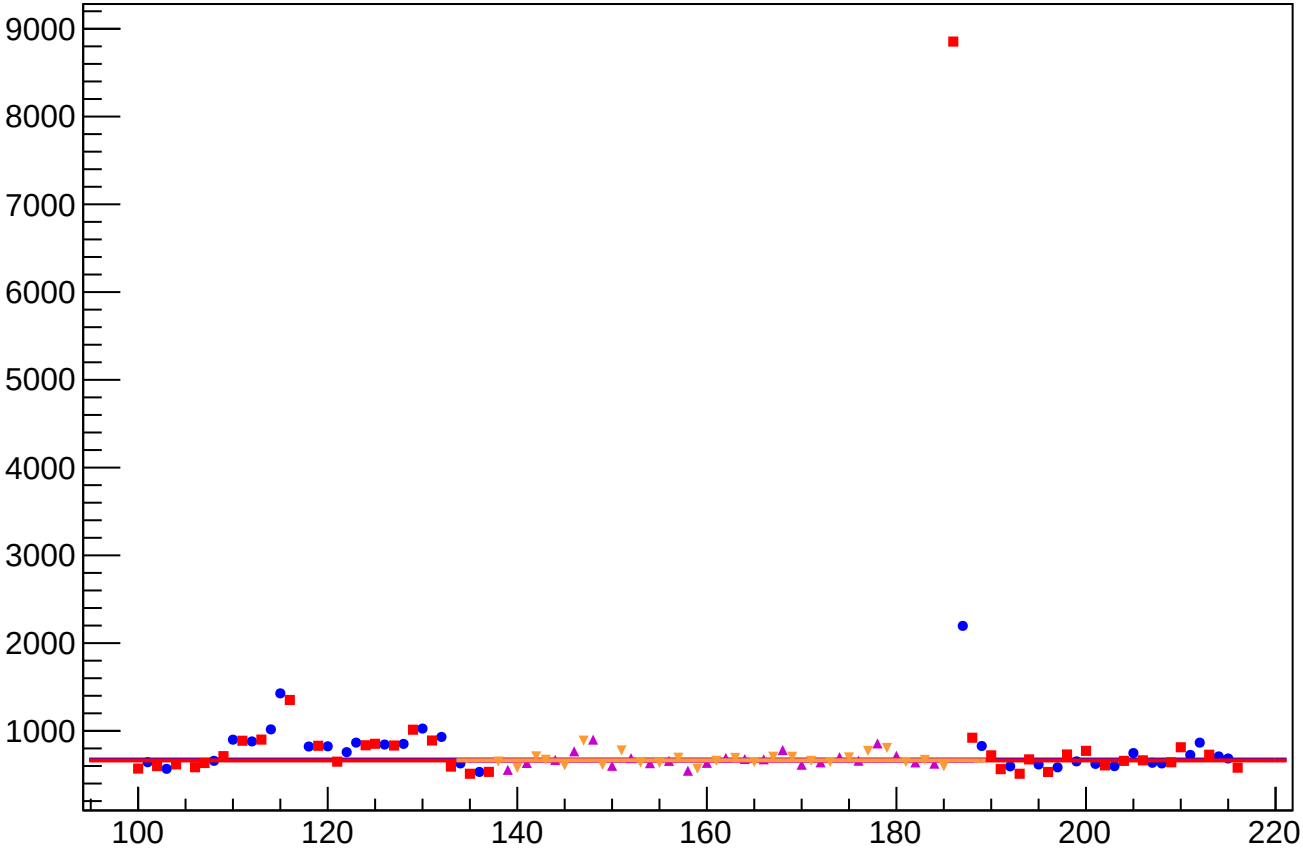
Right: 204.015+/-115.592 χ^2/NDF: 78.5/66

In: -10.472+/-114.760 χ^2/NDF:68.8/54

Out: -1.650+/-112.253 χ^2/NDF:74.7/59

All: -5.963+/-80.247 χ^2/NDF: 143.6/114

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 673.082+/-0.117 χ^2/NDF: 1077111.4/31

Left Out: 664.773+/-0.110 χ^2/NDF:357053.8/24

Right Out: 663.059+/-0.114 χ^2/NDF: 1815753.6/34

Left In: 660.890+/-0.113 χ^2/NDF:449180.0/22

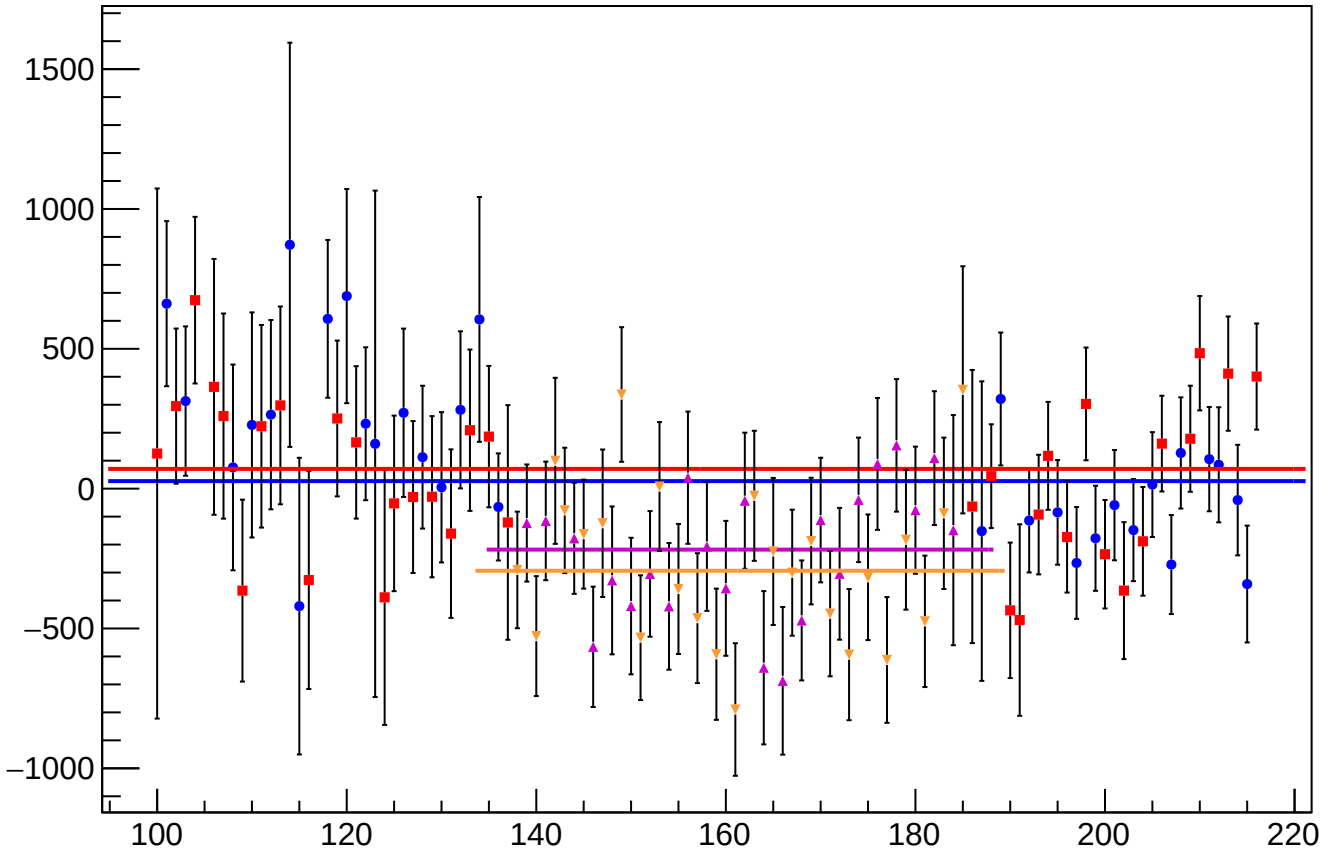
Left: 662.876+/-0.079 χ^2/NDF: 806839.8/47

Right: 667.965+/-0.082 χ^2/NDF: 2896622.5/66

In: 666.772+/-0.081 χ^2/NDF:1531927.4/54

Out: 663.947+/-0.079 χ^2/NDF:2172923.7/59

All: 665.328+/-0.057 χ^2/NDF: 3705470.2/114



Right In: 26.934+/-42.752 χ^2/NDF: 33.6/31

Left Out: -293.590+/-47.203 χ^2/NDF:30.3/24

Right Out: 70.580+/-42.817 χ^2/NDF: 40.4/34

Left In: -217.964+/-48.819 χ^2/NDF:21.3/22

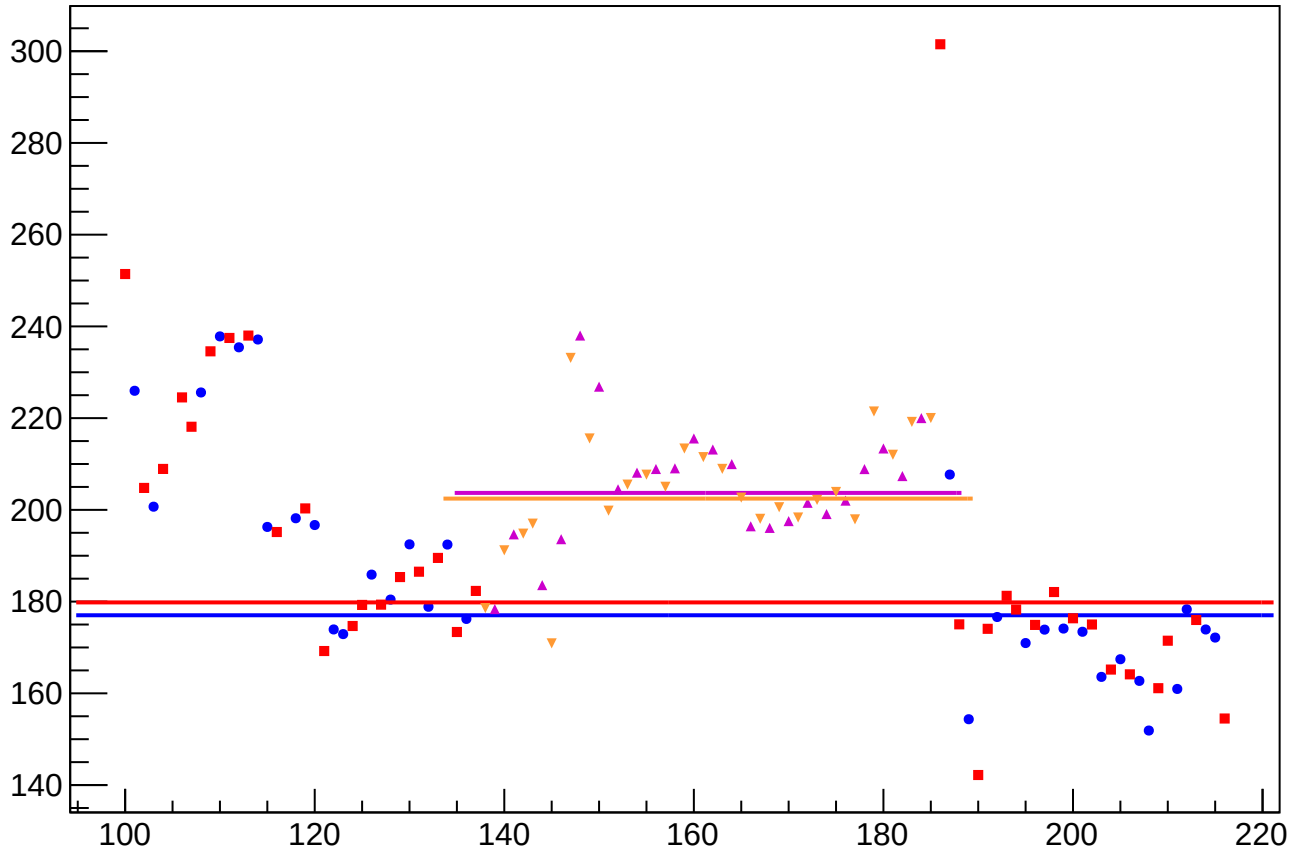
Left: -257.050+/-33.934 χ^2/NDF: 52.9/47

Right: 48.724+/-30.253 χ^2/NDF: 74.5/66

In: -79.361+/-32.163 χ^2/NDF:69.1/54

Out: -93.804+/-31.714 χ^2/NDF:103.4/59

All: -86.684+/-22.582 χ^2/NDF: 172.6/114



Right In: 177.022+/-0.030 χ^2/NDF: 361519.7/31

Left Out: 202.459+/-0.033 χ^2/NDF:158582.3/24

Right Out: 179.823+/-0.030 χ^2/NDF: 536401.4/34

Left In: 203.699+/-0.035 χ^2/NDF:136193.4/22

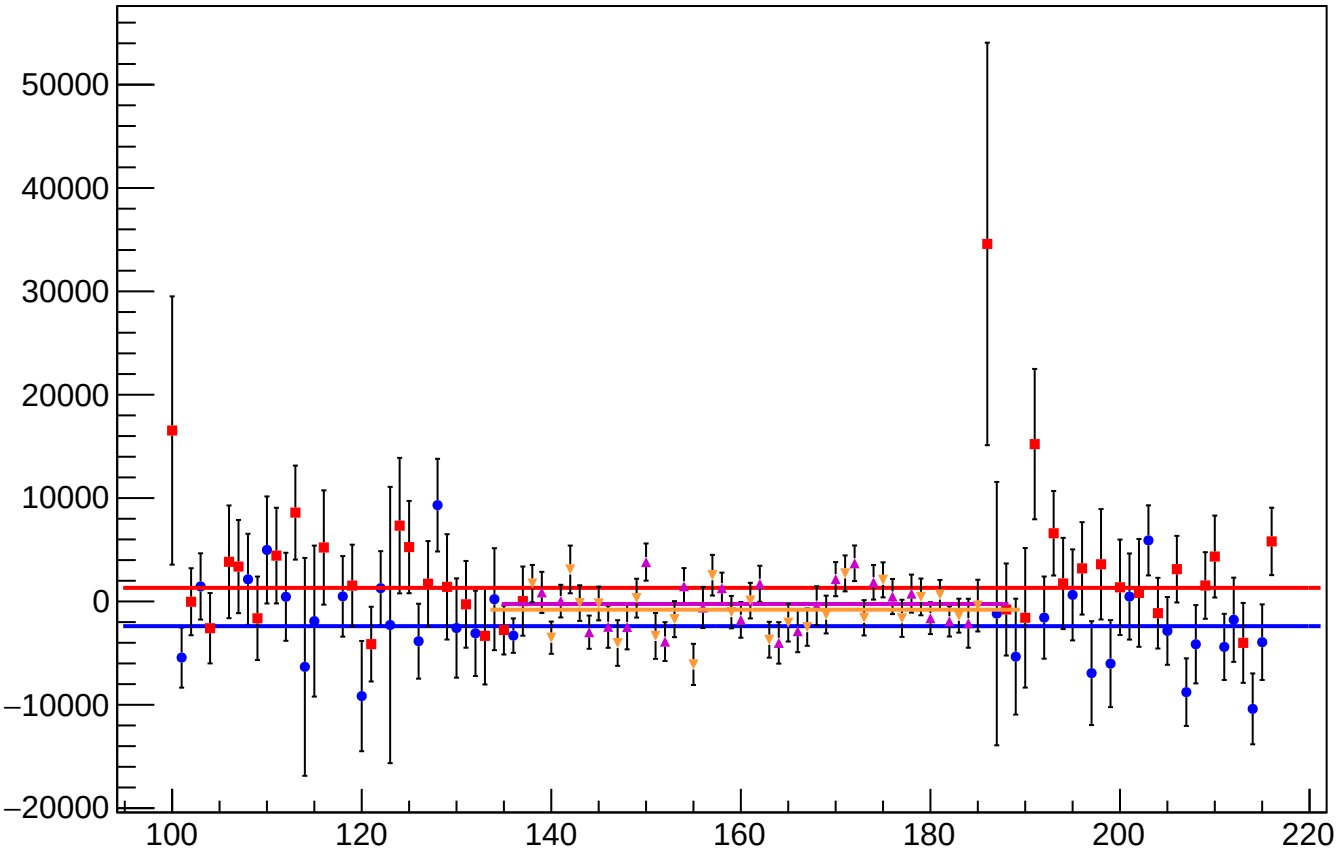
Left: 203.058+/-0.024 χ^2/NDF: 295442.7/47

Right: 178.420+/-0.021 χ^2/NDF: 902207.1/66

In: 188.601+/-0.023 χ^2/NDF:835703.2/54

Out: 190.041+/-0.022 χ^2/NDF:947294.8/59

All: 189.331+/-0.016 χ^2/NDF: 1785030.3/114



Right In: -2391.085+/-679.112 χ^2/NDF: 35.9/31

Left Out: -796.528+/-357.851 χ^2/NDF:35.7/24

Right Out: 1314.181+/-704.179 χ^2/NDF: 29.7/34

Left In: -245.102+/-369.846 χ^2/NDF:35.7/22

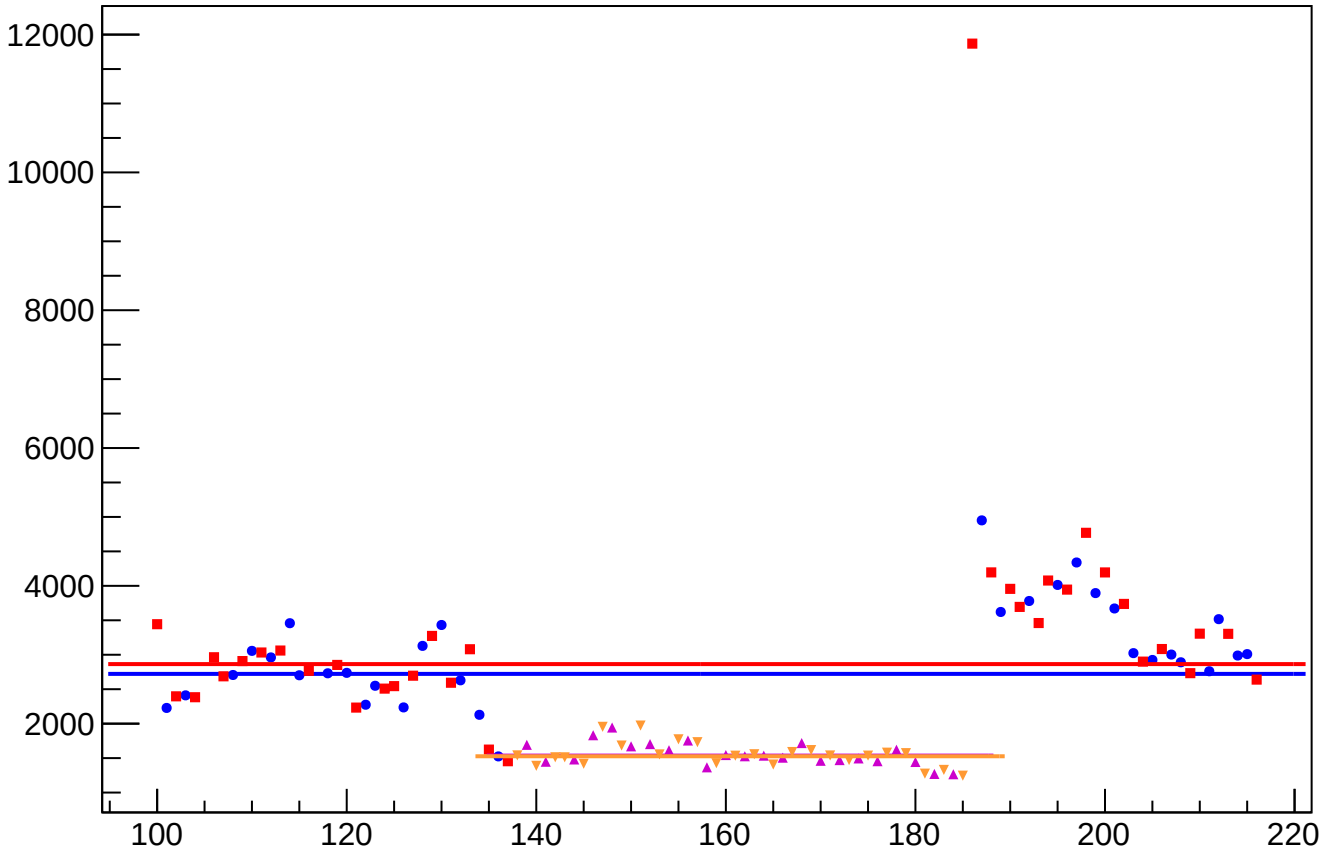
Left: -529.902+/-257.175 χ^2/NDF: 72.6/47

Right: -605.575+/-488.826 χ^2/NDF: 80.0/66

In: -735.990+/-324.803 χ^2/NDF:79.3/54

Out: -363.317+/-319.021 χ^2/NDF:72.6/59

All: -546.307+/-227.598 χ^2/NDF: 152.6/114



Right In: 2722.214+/-0.480 χ^2/NDF: 2326692.5/31

Left Out: 1526.712+/-0.253 χ^2/NDF:394892.7/24

Right Out: 2864.416+/-0.498 χ^2/NDF: 2651323.6/34

Left In: 1536.538+/-0.262 χ^2/NDF:350373.3/22

Left: 1531.463+/-0.182 χ^2/NDF: 745995.2/47

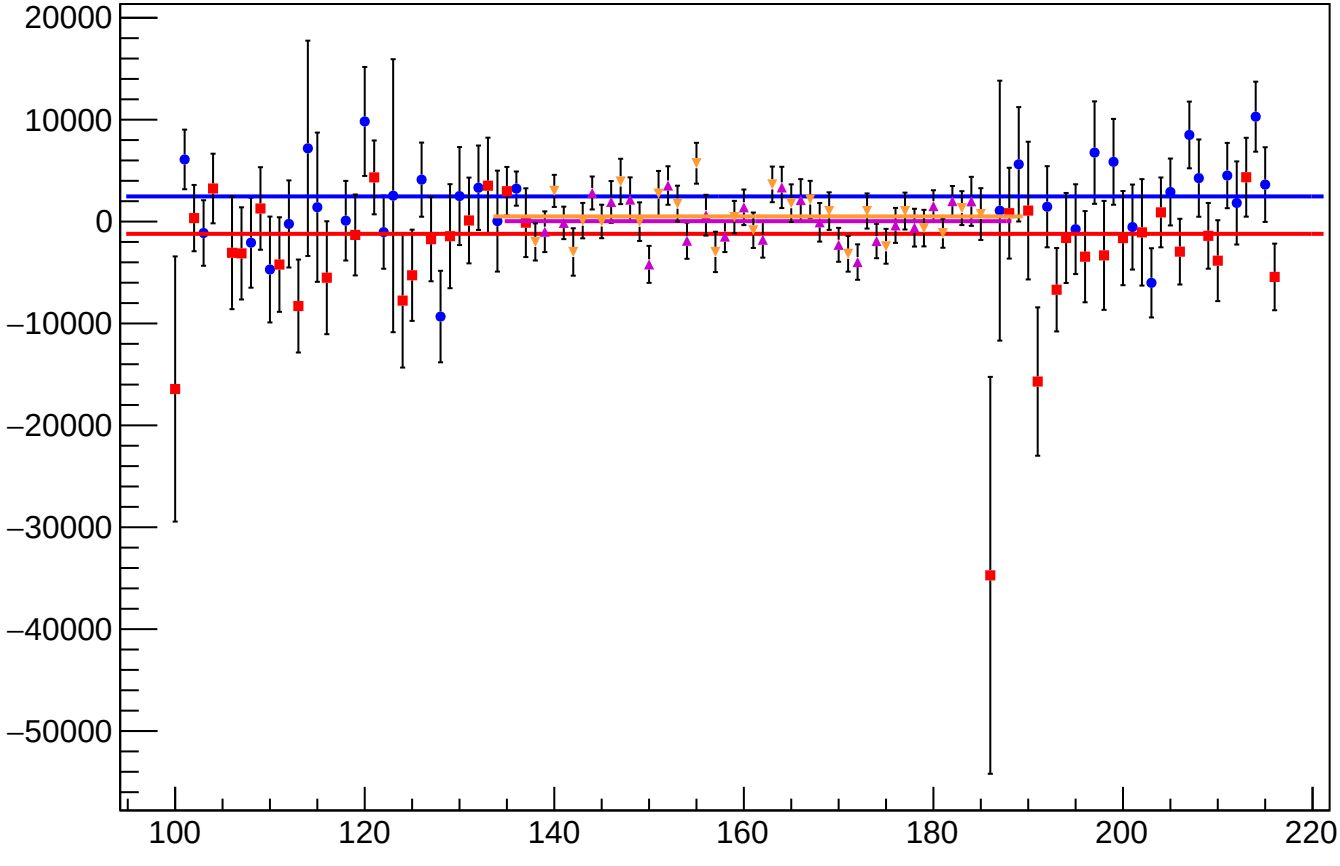
Right: 2790.739+/-0.346 χ^2/NDF: 5020273.5/66

In: 1807.758+/-0.230 χ^2/NDF:7378999.5/54

Out: 1801.268+/-0.226 χ^2/NDF:8782329.5/59

All: 1804.455+/-0.161 χ^2/NDF: 16161735.4/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2469.282+/-681.195 χ^2/NDF: 35.6/31

Left Out: 507.982+/-361.172 χ^2/NDF:35.4/24

Right Out: -1204.682+/-706.216 χ^2/NDF: 30.2/34

Left In: 40.080+/-373.261 χ^2/NDF:33.6/22

Left: 281.730+/-259.556 χ^2/NDF: 69.8/47

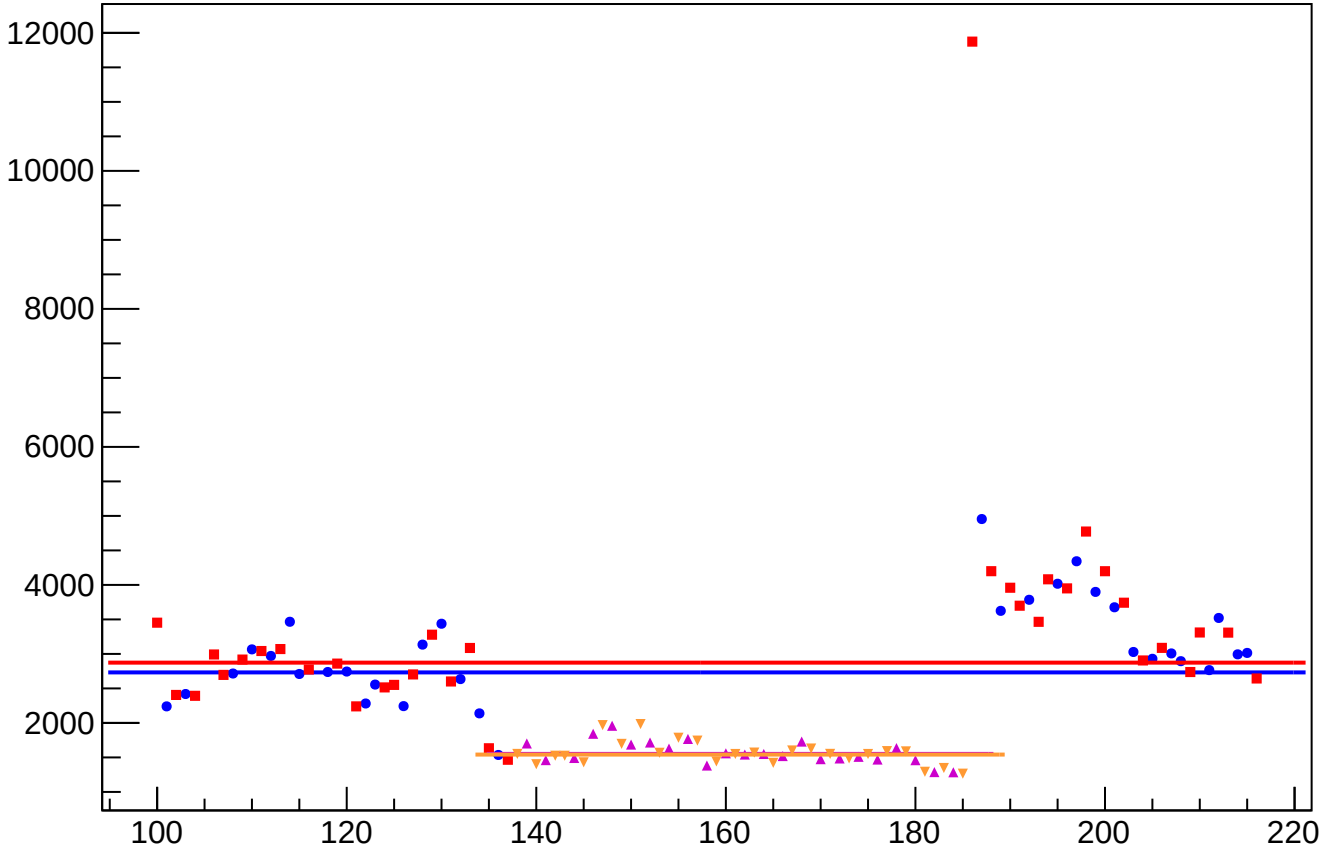
Right: 698.536+/-490.285 χ^2/NDF: 79.8/66

In: 601.023+/-327.340 χ^2/NDF:79.0/54

Out: 152.906+/-321.560 χ^2/NDF:70.2/59

All: 372.973+/-229.394 χ^2/NDF: 150.1/114

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2732.052+/-0.482 χ^2/NDF: 2293583.1/31

Left Out: 1541.258+/-0.255 χ^2/NDF:382045.4/24

Right Out: 2873.634+/-0.499 χ^2/NDF: 2625560.1/34

Left In: 1551.063+/-0.264 χ^2/NDF:338898.9/22

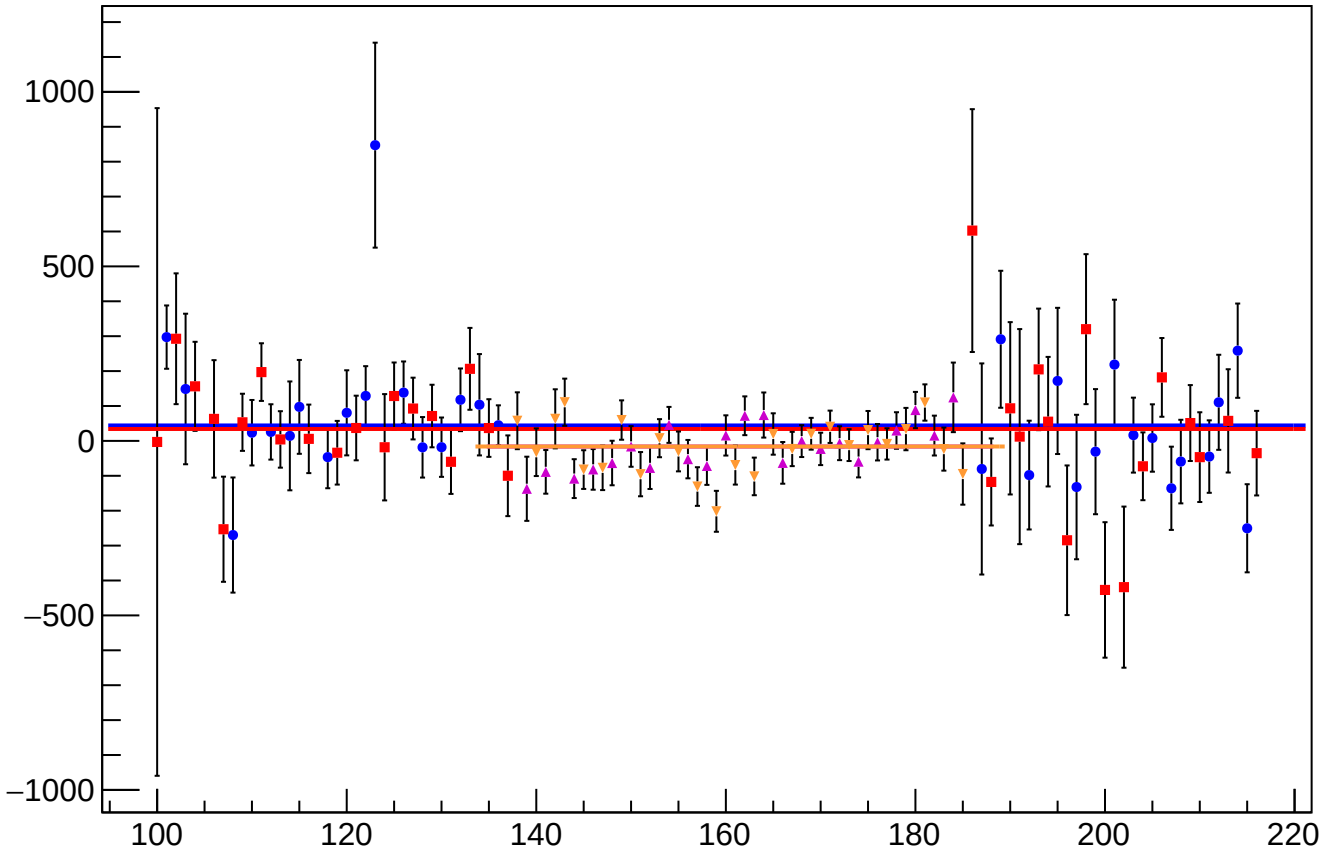
Left: 1546.000+/-0.184 χ^2/NDF: 721657.1/47

Right: 2800.291+/-0.347 χ^2/NDF: 4960784.4/66

In: 1823.774+/-0.231 χ^2/NDF:7255778.1/54

Out: 1817.492+/-0.227 χ^2/NDF:8650522.1/59

All: 1820.577+/-0.162 χ^2/NDF: 15906675.0/1



Right In: 44.210+/-19.807 χ^2/NDF: 41.4/31

Left Out: -16.049+/-11.340 χ^2/NDF:39.7/24

Right Out: 34.158+/-20.124 χ^2/NDF: 39.8/34

Left In: -16.162+/-11.649 χ^2/NDF:25.2/22

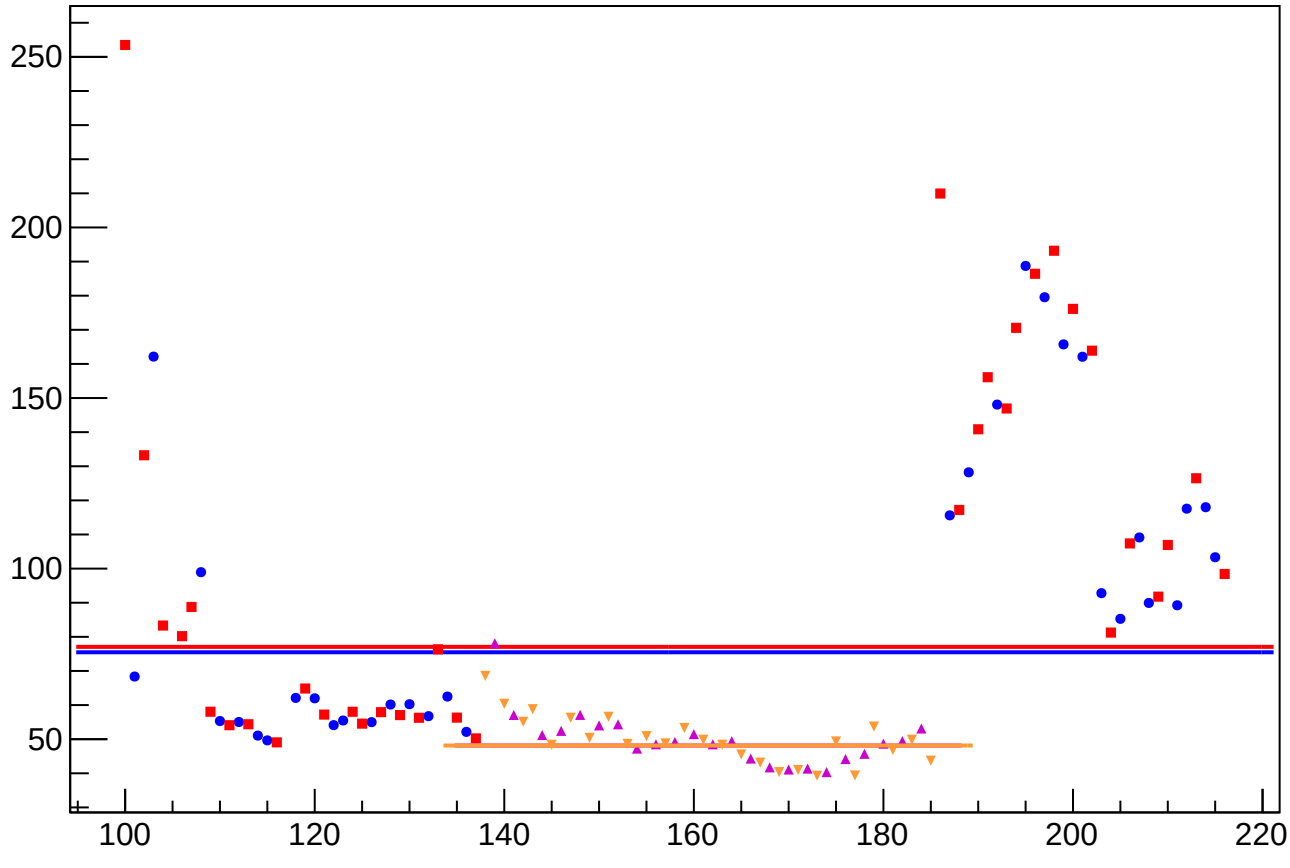
Left: -16.104+/-8.126 χ^2/NDF: 64.9/47

Right: 39.264+/-14.117 χ^2/NDF: 81.4/66

In: -0.645+/-10.041 χ^2/NDF:73.6/54

Out: -3.949+/-9.879 χ^2/NDF:84.2/59

All: -2.324+/-7.042 χ^2/NDF: 157.9/114



Right In: 75.474+/-0.014 χ^2/NDF: 5025666.3/31

Left Out: 48.141+/-0.008 χ^2/NDF:655250.3/24

Right Out: 77.068+/-0.014 χ^2/NDF: 5726274.1/34

Left In: 48.139+/-0.008 χ^2/NDF:575025.5/22

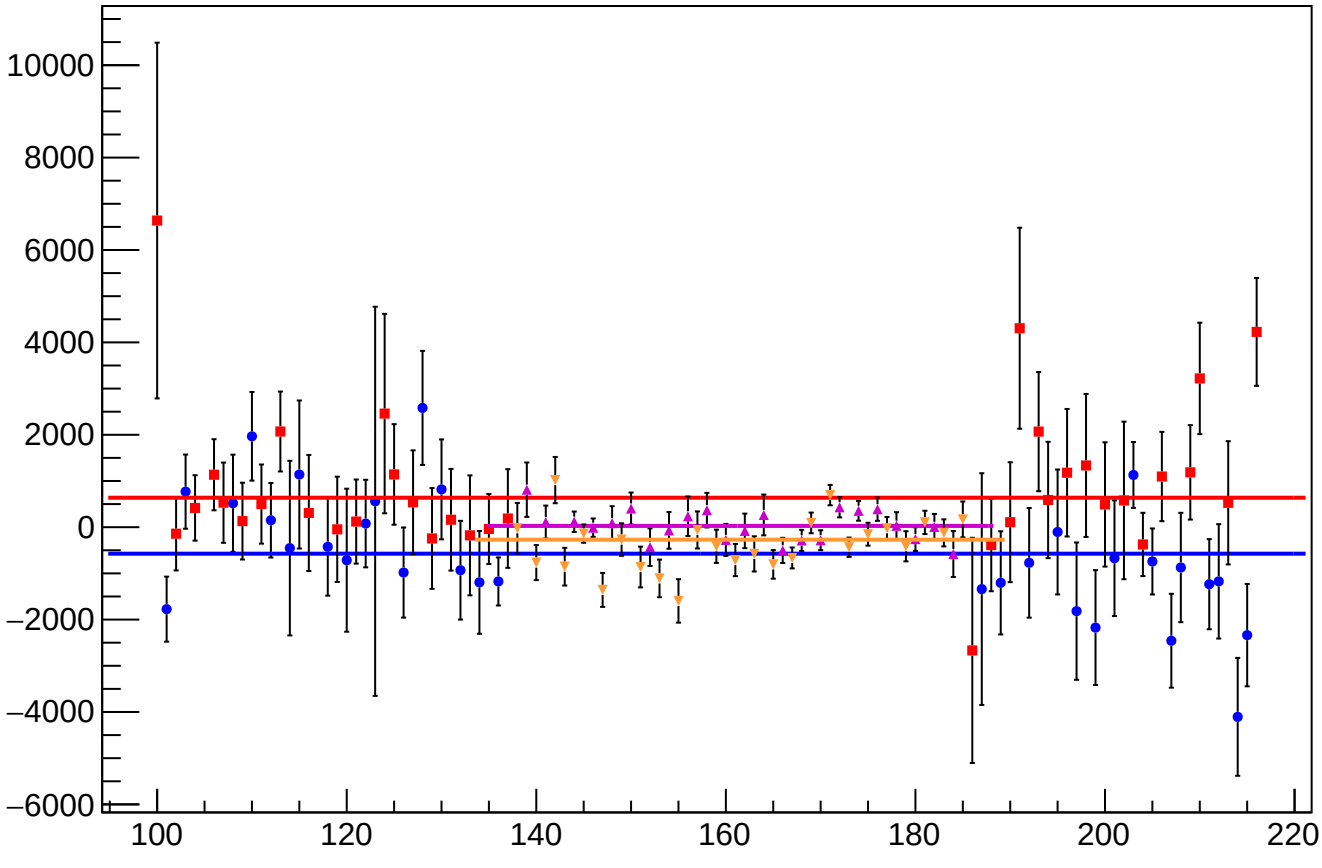
Left: 48.140+/-0.006 χ^2/NDF: 1230275.9/47

Right: 76.259+/-0.010 χ^2/NDF: 10758317.7/66

In: 55.165+/-0.007 χ^2/NDF:8430821.2/54

Out: 55.112+/-0.007 χ^2/NDF:9518160.5/59

All: 55.138+/-0.005 χ^2/NDF: 17949009.1/114



Right In: -573.403+/-179.923 χ^2/NDF: 49.5/31

Left Out: -270.214+/-60.177 χ^2/NDF:70.1/24

Right Out: 637.878+/-178.653 χ^2/NDF: 35.2/34

Left In: 27.271+/-60.430 χ^2/NDF:25.1/22

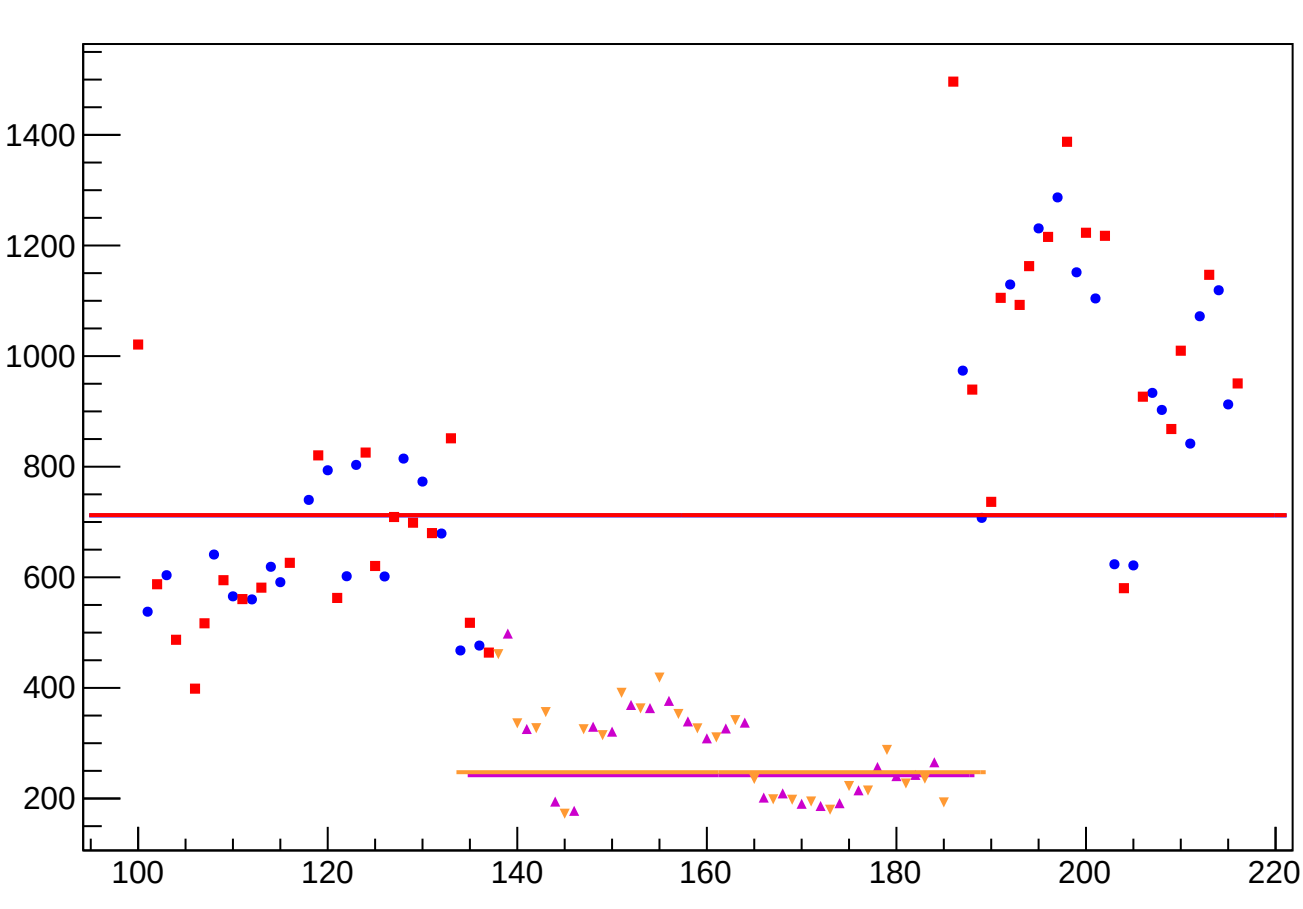
Left: -122.095+/-42.641 χ^2/NDF: 107.3/47

Right: 36.528+/-126.773 χ^2/NDF: 107.6/66

In: -33.620+/-57.285 χ^2/NDF:84.6/54

Out: -177.679+/-57.029 χ^2/NDF:128.5/59

All: -105.973+/-40.416 χ^2/NDF: 216.3/114



Right In: 711.874+/-0.127 χ^2/NDF: 2883905.1/31

Left Out: 247.570+/-0.043 χ^2/NDF:2780931.0/24

Right Out: 712.490+/-0.126 χ^2/NDF: 3765782.3/34

Left In: 242.117+/-0.043 χ^2/NDF:2466108.9/22

Left: 244.855+/-0.030 χ^2/NDF: 5255218.1/47

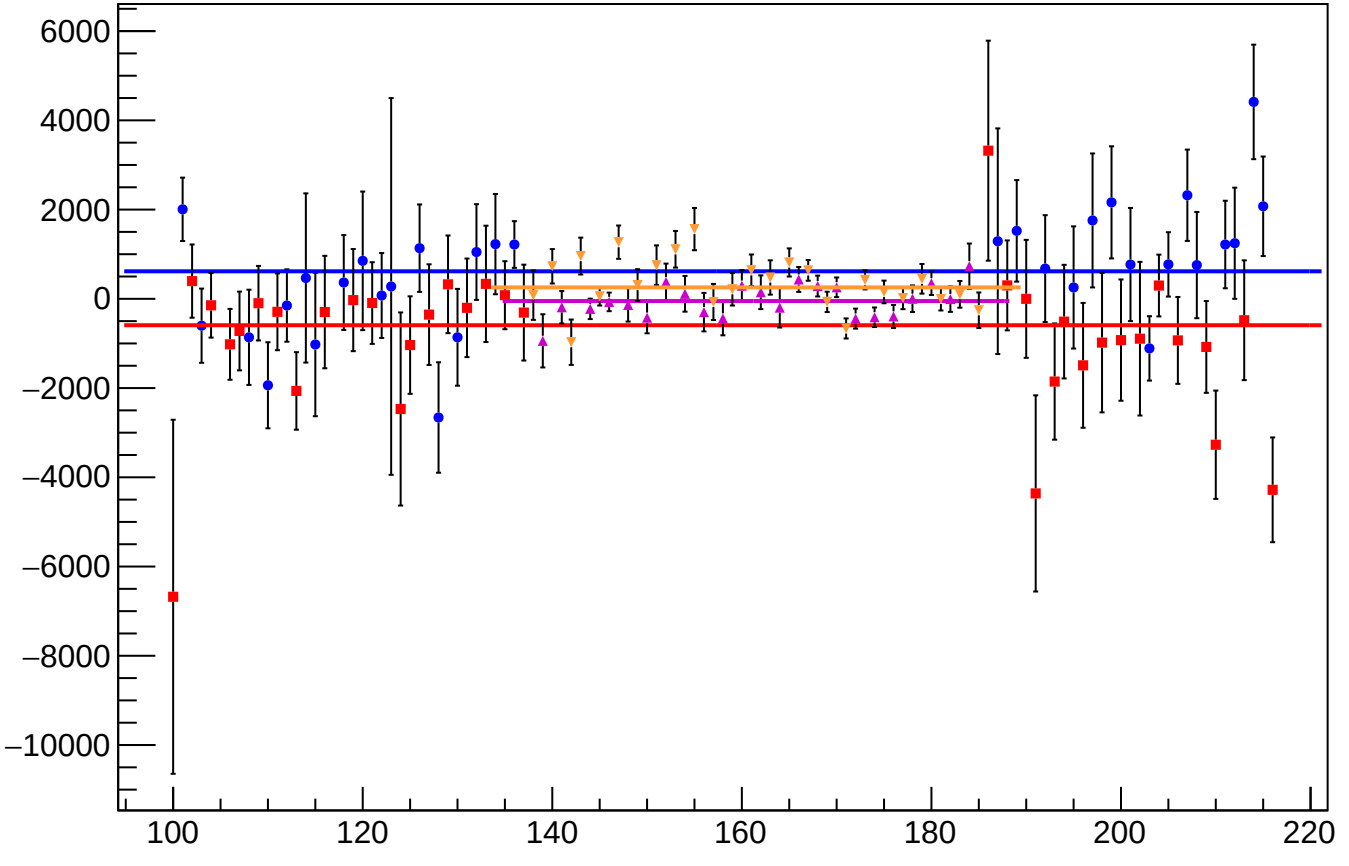
Right: 712.185+/-0.090 χ^2/NDF: 6649699.1/66

In: 289.737+/-0.041 χ^2/NDF:17601370.5/54

Out: 294.945+/-0.040 χ^2/NDF:18711133.3/59

All: 292.353+/-0.029 χ^2/NDF: 36320808.6/11

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 616.696+/-181.531 χ^2/NDF: 50.7/31

Left Out: 255.995+/-61.418 χ^2/NDF:63.6/24

Right Out: -591.831+/-180.562 χ^2/NDF: 36.3/34

Left In: -49.832+/-61.781 χ^2/NDF:27.5/22

Left: 103.982+/-43.557 χ^2/NDF: 103.4/47

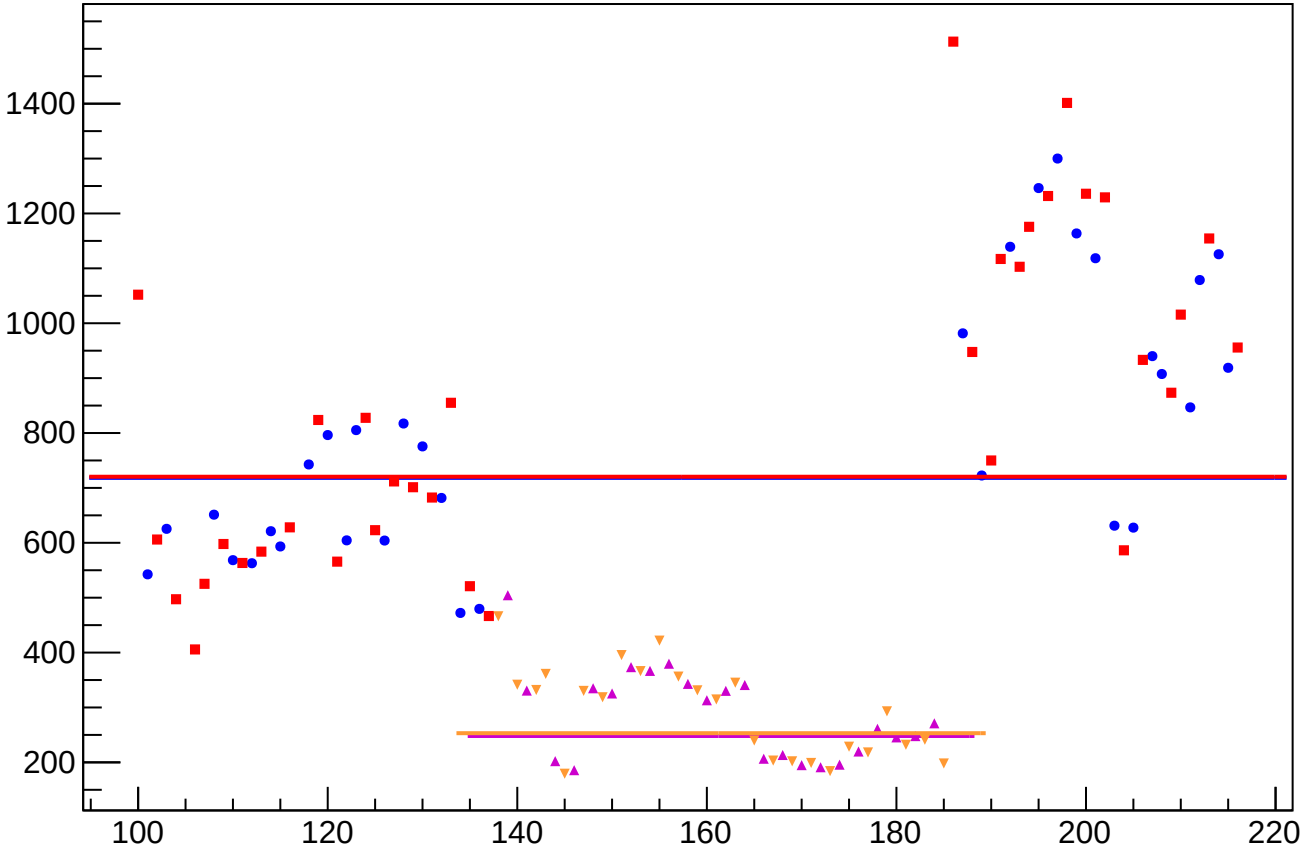
Right: 9.199+/-128.018 χ^2/NDF: 109.3/66

In: 19.356+/-58.487 χ^2/NDF:90.3/54

Out: 168.072+/-58.147 χ^2/NDF:119.6/59

All: 94.148+/-41.236 χ^2/NDF: 213.2/114

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 718.325+/-0.128 χ^2/NDF: 2880637.8/31

Left Out: 253.137+/-0.043 χ^2/NDF:2665975.8/24

Right Out: 720.346+/-0.128 χ^2/NDF: 3727187.7/34

Left In: 248.069+/-0.044 χ^2/NDF:2343295.0/22

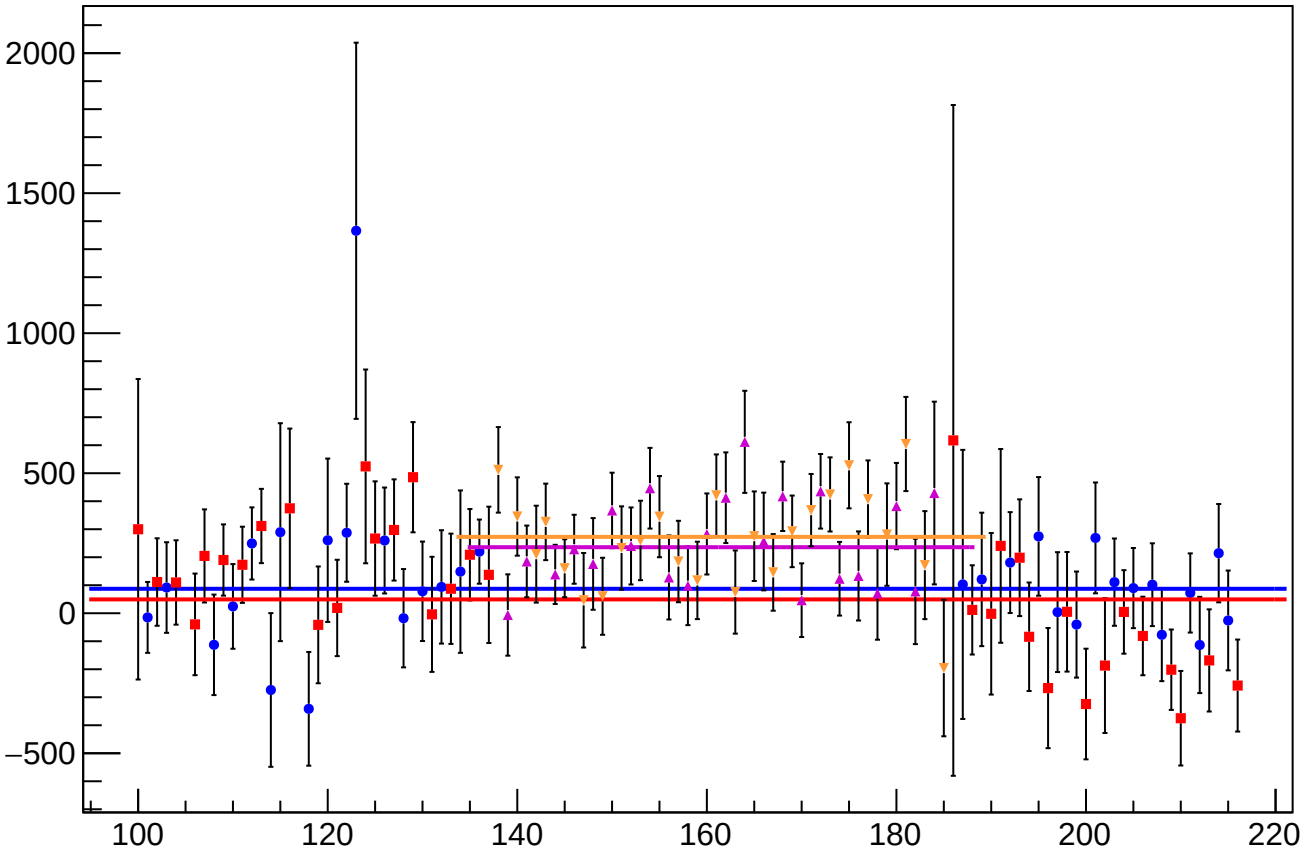
Left: 250.618+/-0.031 χ^2/NDF: 5016040.5/47

Right: 719.341+/-0.091 χ^2/NDF: 6607950.1/66

In: 296.883+/-0.041 χ^2/NDF:17252101.7/54

Out: 301.588+/-0.041 χ^2/NDF:18395038.6/59

All: 299.249+/-0.029 χ^2/NDF: 35653650.4/11



Right In: 87.316+/-31.600 χ^2/NDF: 23.8/31

Left Out: 272.684+/-29.221 χ^2/NDF:27.4/24

Right Out: 49.398+/-31.116 χ^2/NDF: 43.8/34

Left In: 235.801+/-30.232 χ^2/NDF:24.6/22

Left: 254.870+/-21.011 χ^2/NDF: 52.8/47

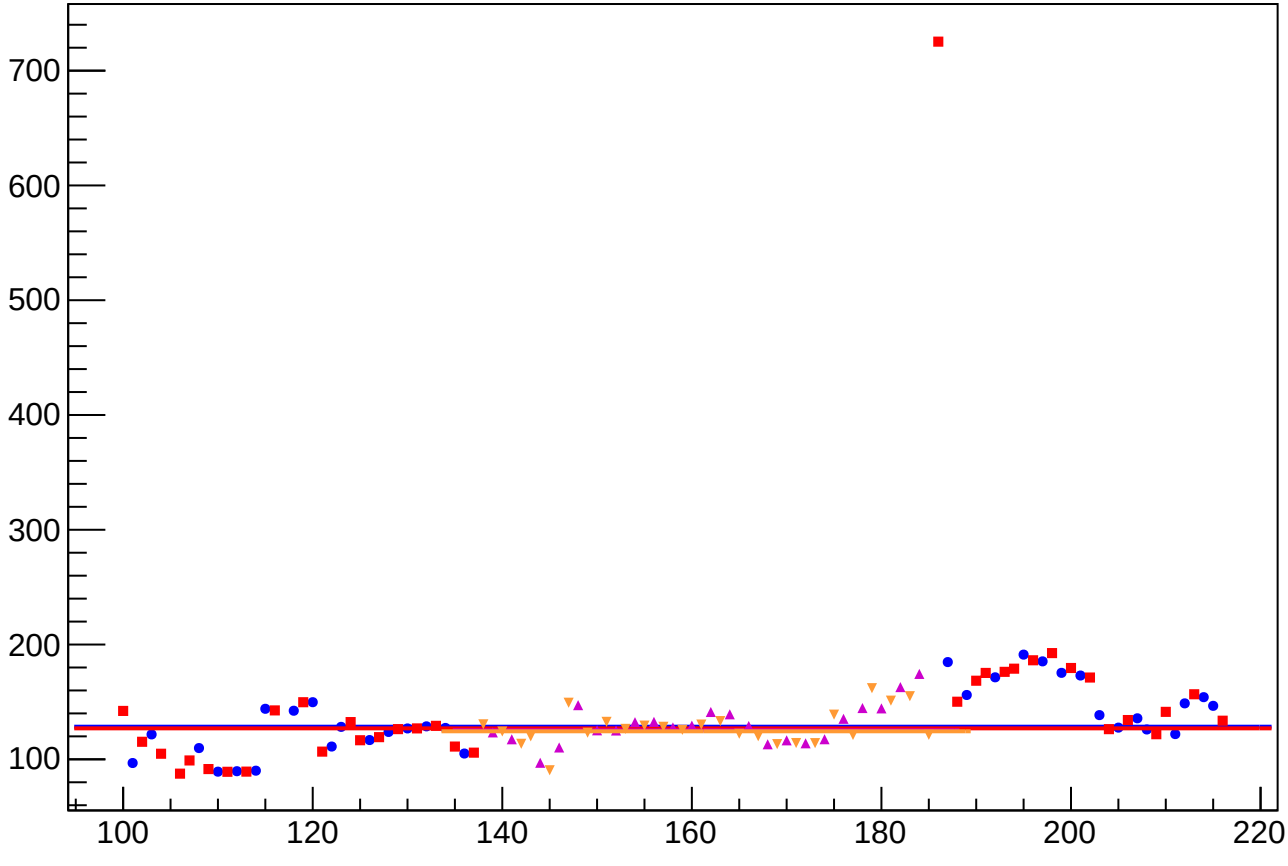
Right: 68.064+/-22.172 χ^2/NDF: 68.3/66

In: 164.843+/-21.845 χ^2/NDF:60.0/54

Out: 168.046+/-21.301 χ^2/NDF:98.6/59

All: 166.485+/-15.251 χ^2/NDF: 158.5/114

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 128.414+/-0.022 χ^2/NDF: 1459021.6/31

Left Out: 124.429+/-0.021 χ^2/NDF:539731.8/24

Right Out: 126.984+/-0.022 χ^2/NDF: 2287518.4/34

Left In: 125.205+/-0.021 χ^2/NDF:501388.2/22

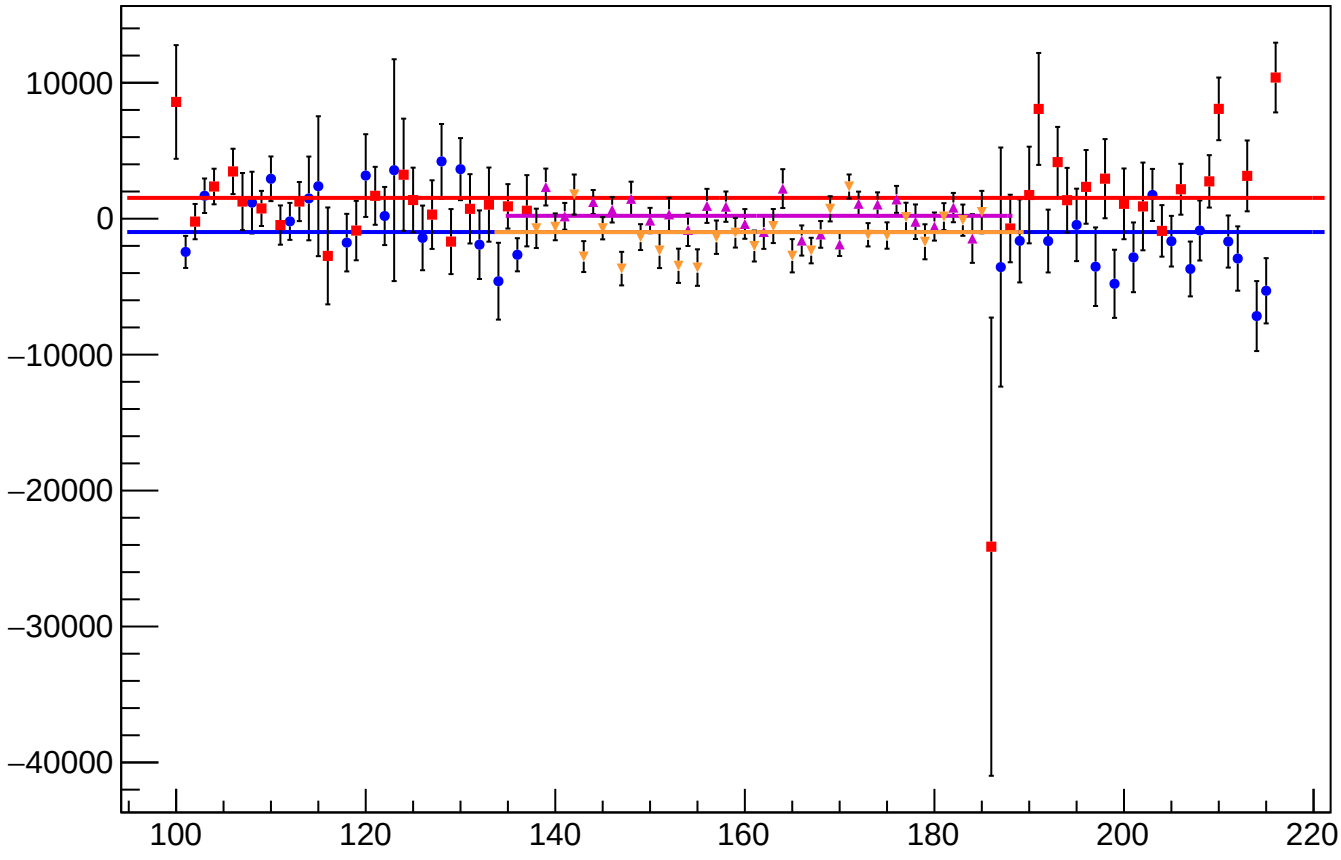
Left: 124.804+/-0.015 χ^2/NDF: 1041801.9/47

Right: 127.688+/-0.016 χ^2/NDF: 3748619.7/66

In: 126.739+/-0.015 χ^2/NDF:1971177.9/54

Out: 125.626+/-0.015 χ^2/NDF:2834416.9/59

All: 126.168+/-0.011 χ^2/NDF: 4808253.3/114



Right In: -981.541+/-370.731 χ^2/NDF: 45.6/31

Left Out: -982.839+/-218.021 χ^2/NDF:47.2/24

Right Out: 1530.734+/-360.083 χ^2/NDF: 43.6/34

Left In: 211.420+/-223.296 χ^2/NDF:25.7/22

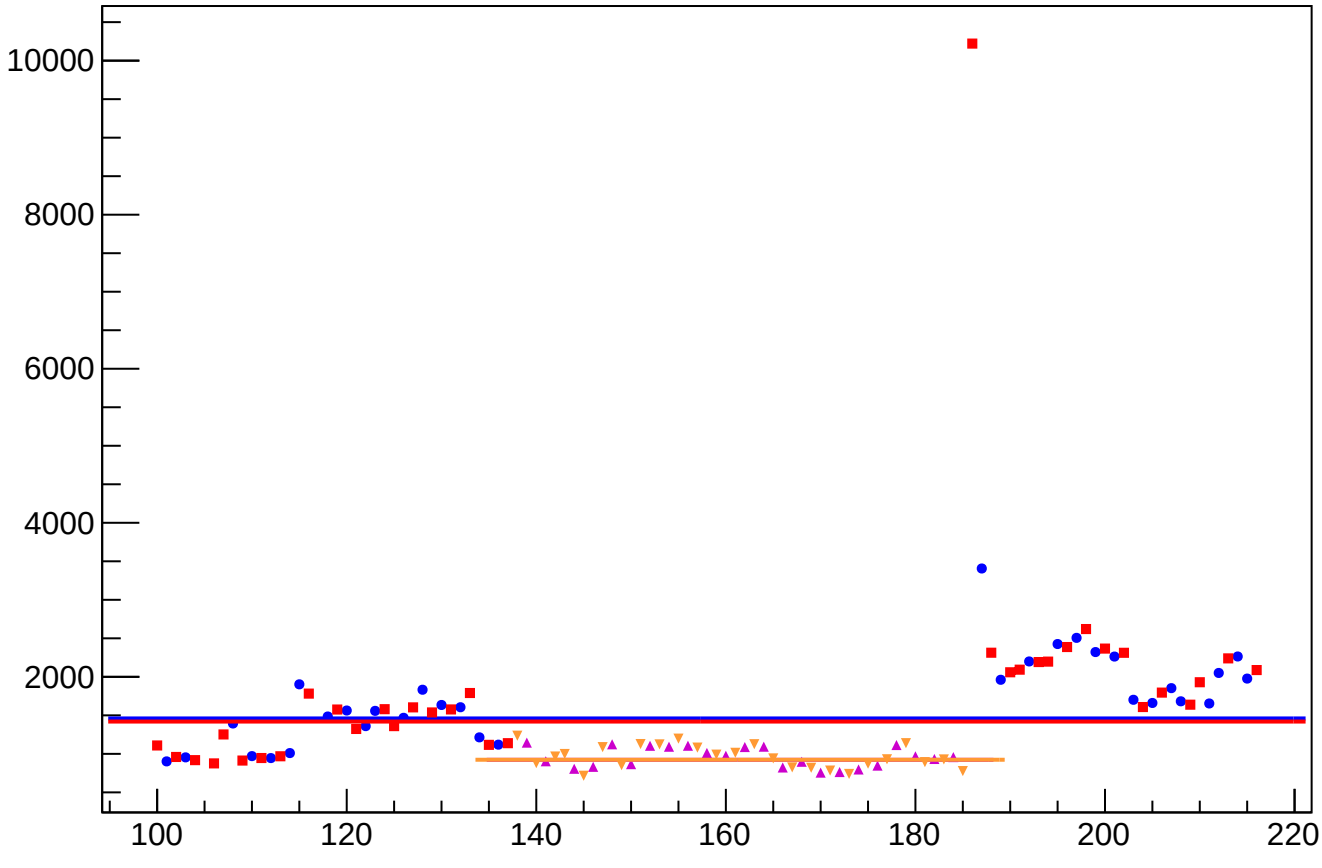
Left: -399.983+/-155.996 χ^2/NDF: 87.5/47

Right: 311.194+/-258.300 χ^2/NDF: 112.9/66

In: -106.154+/-191.280 χ^2/NDF:78.9/54

Out: -308.556+/-186.500 χ^2/NDF:126.5/59

All: -209.915+/-133.533 χ^2/NDF: 205.9/114



Right In: 1459.833+/-0.262 χ^2/NDF: 3420271.8/31

Left Out: 923.586+/-0.154 χ^2/NDF:842758.6/24

Right Out: 1419.377+/-0.255 χ^2/NDF: 4575539.2/34

Left In: 922.245+/-0.158 χ^2/NDF:634712.1/22

Left: 922.932+/-0.110 χ^2/NDF: 1477507.6/47

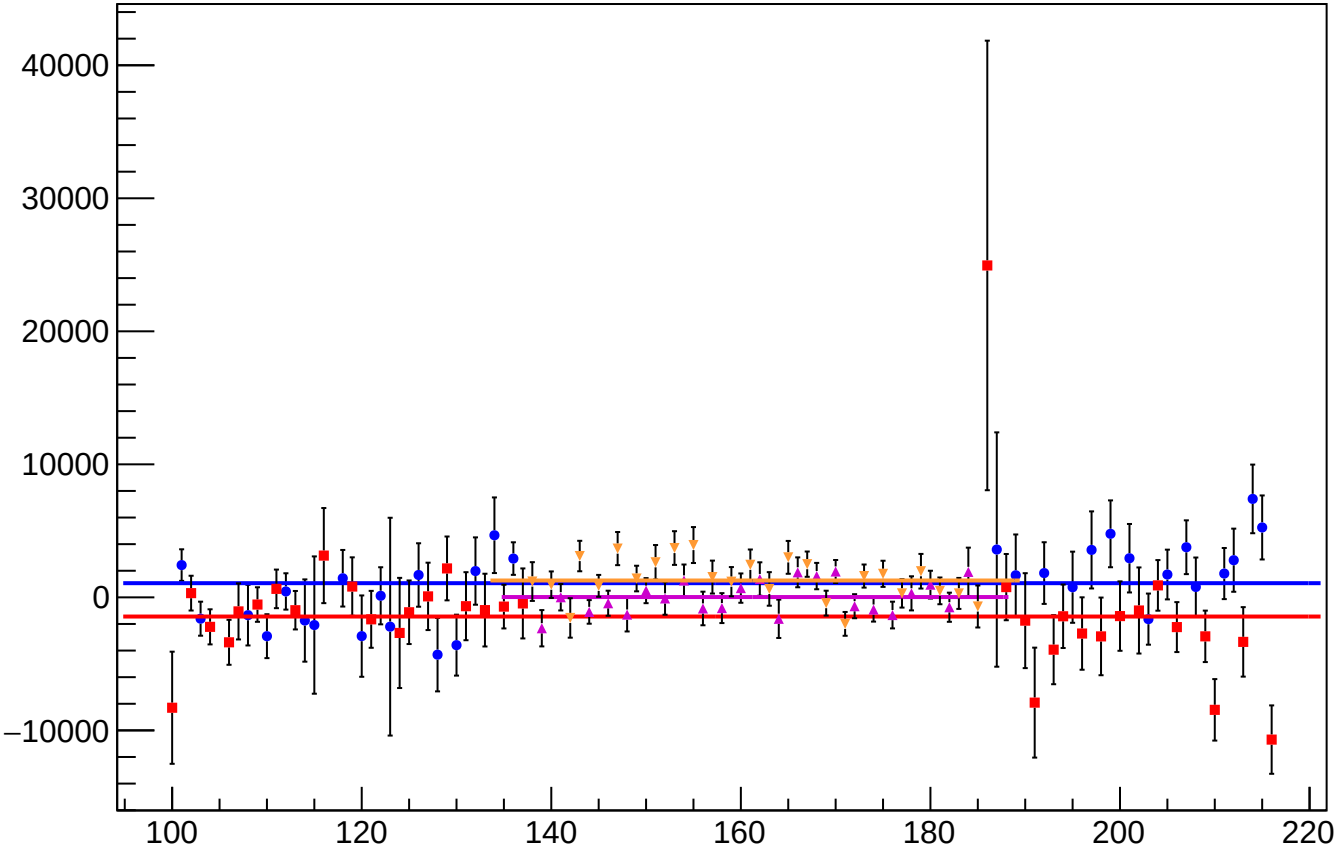
Right: 1439.016+/-0.183 χ^2/NDF: 8008066.2/66

In: 1065.354+/-0.135 χ^2/NDF:7140900.5/54

Out: 1056.586+/-0.132 χ^2/NDF:8192770.5/59

All: 1060.859+/-0.094 χ^2/NDF: 15335825.9/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1066.082+/-372.285 χ^2/NDF: 45.4/31

Left Out: 1267.344+/-220.133 χ^2/NDF:44.9/24

Right Out: -1441.568+/-361.760 χ^2/NDF: 46.8/34

Left In: 23.478+/-225.490 χ^2/NDF:27.2/22

Left: 660.362+/-157.518 χ^2/NDF: 87.7/47

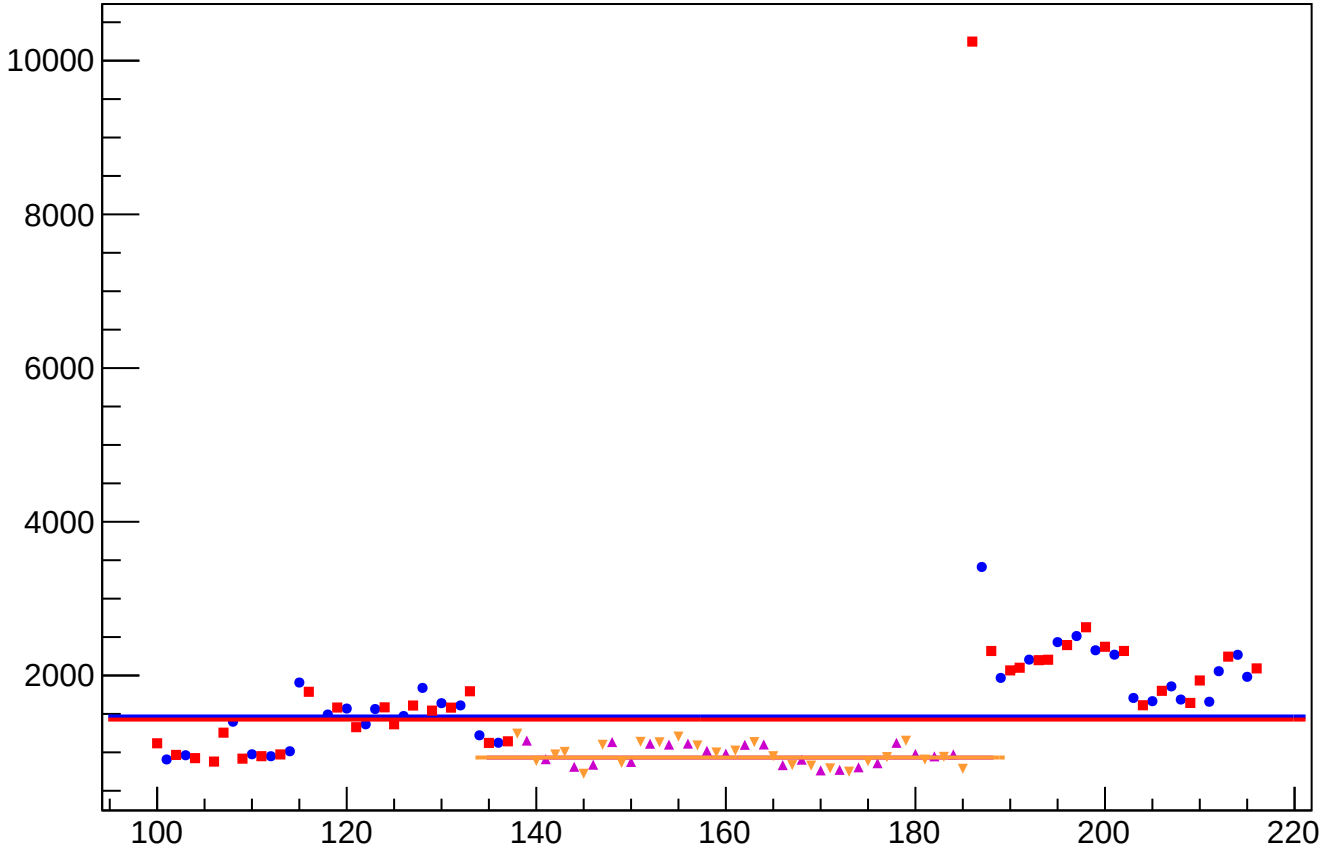
Right: -223.691+/-259.444 χ^2/NDF: 115.6/66

In: 303.311+/-192.870 χ^2/NDF:78.3/54

Out: 535.336+/-188.053 χ^2/NDF:132.6/59

All: 422.257+/-134.645 χ^2/NDF: 211.7/114

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1466.524+/-0.263 χ^2/NDF: 3397401.9/31

Left Out: 932.764+/-0.156 χ^2/NDF:829798.4/24

Right Out: 1426.459+/-0.256 χ^2/NDF: 4547622.3/34

Left In: 931.493+/-0.159 χ^2/NDF:624436.4/22

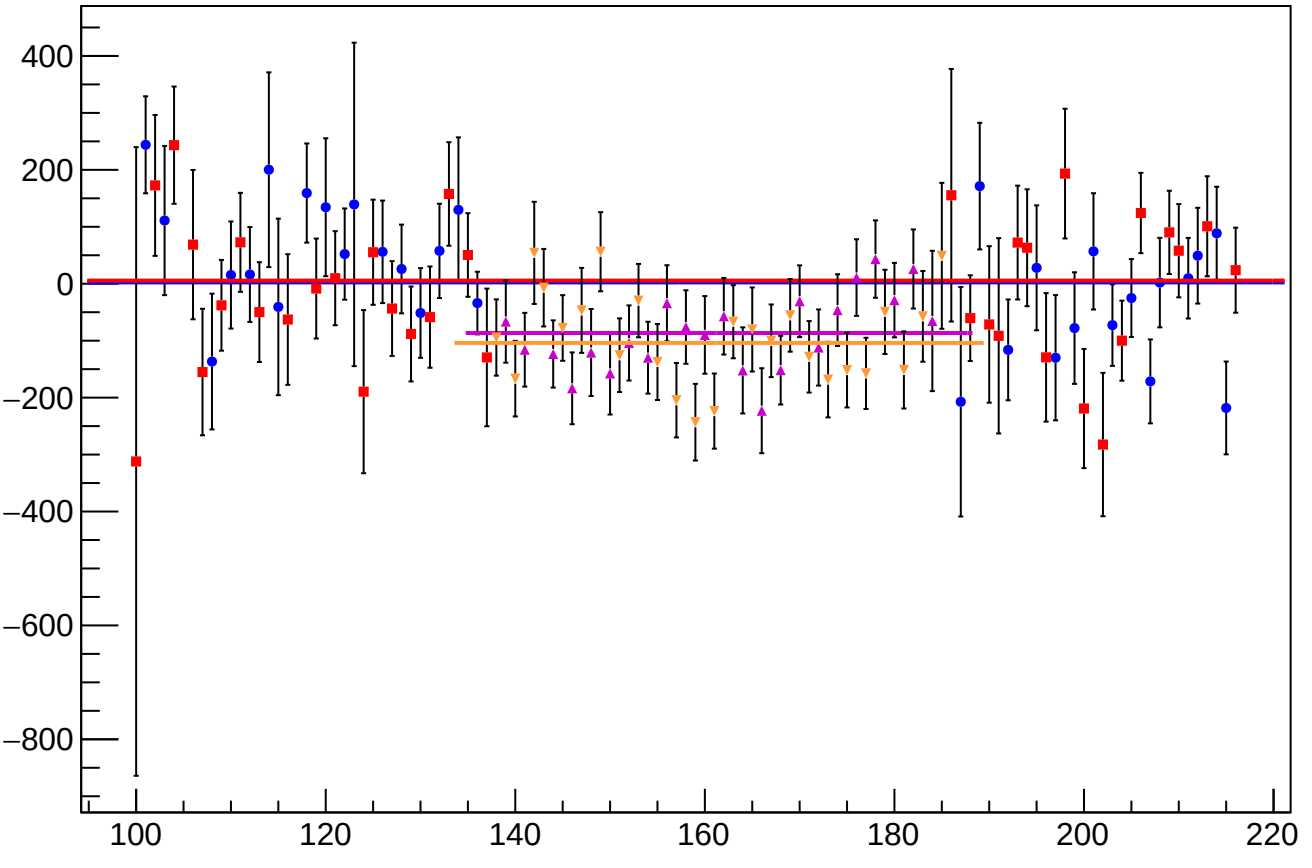
Left: 932.144+/-0.111 χ^2/NDF: 1454267.3/47

Right: 1445.917+/-0.183 χ^2/NDF: 7956938.0/66

In: 1075.094+/-0.136 χ^2/NDF:7043961.4/54

Out: 1066.171+/-0.133 χ^2/NDF:8095722.1/59

All: 1070.520+/-0.095 χ^2/NDF: 15141877.9/1



Right In: 2.344+/-15.910 χ^2/NDF: 42.6/31

Left Out: -103.899+/-13.642 χ^2/NDF:30.0/24

Right Out: 5.486+/-16.078 χ^2/NDF: 44.9/34

Left In: -86.542+/-14.120 χ^2/NDF:21.4/22

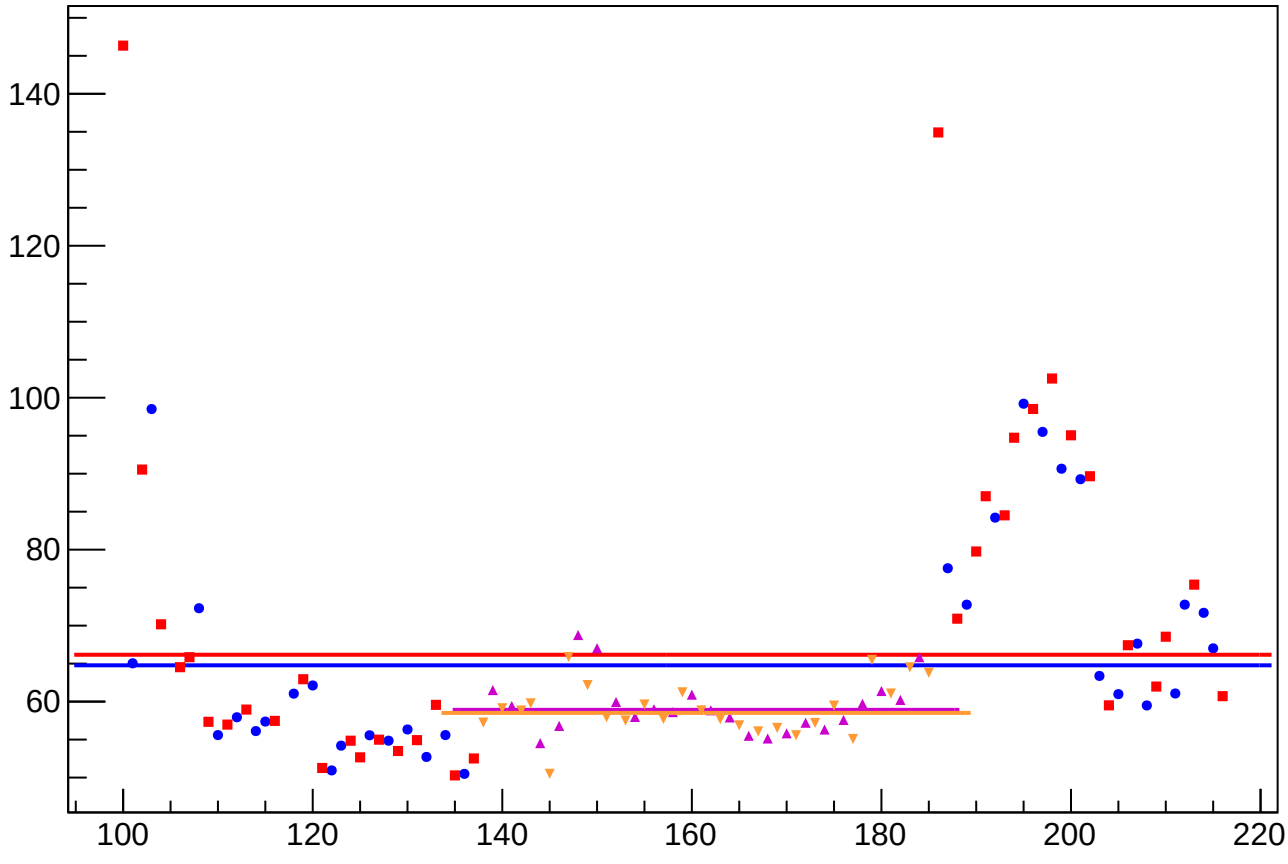
Left: -95.520+/-9.811 χ^2/NDF: 52.1/47

Right: 3.898+/-11.309 χ^2/NDF: 87.5/66

In: -47.379+/-10.561 χ^2/NDF:81.5/54

Out: -58.112+/-10.402 χ^2/NDF:101.7/59

All: -52.827+/-7.411 χ^2/NDF: 183.7/114



Right In: 64.776+/-0.011 χ^2/NDF: 1294997.6/31

Left Out: 58.513+/-0.010 χ^2/NDF:123221.6/24

Right Out: 66.166+/-0.011 χ^2/NDF: 1683527.9/34

Left In: 58.913+/-0.010 χ^2/NDF:109968.0/22

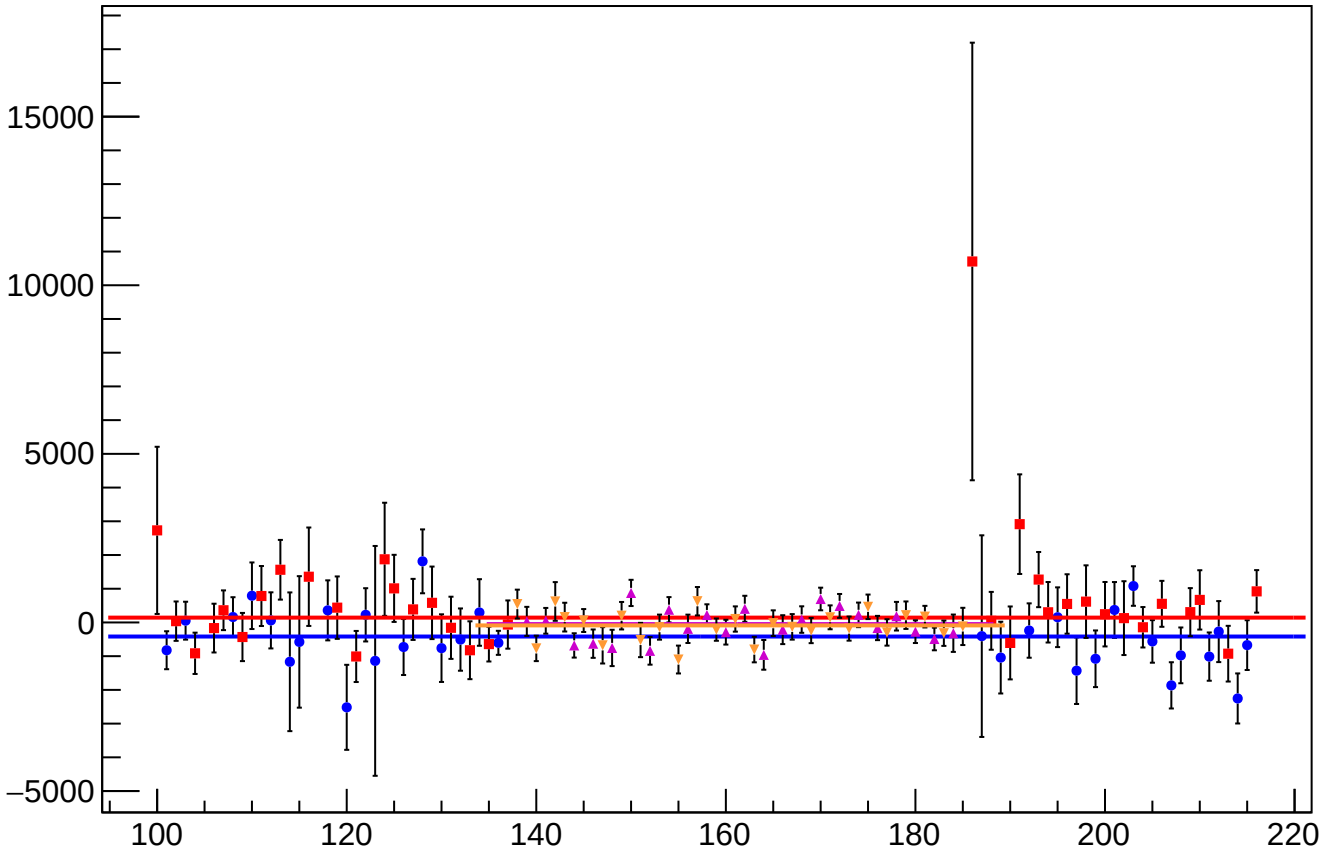
Left: 58.706+/-0.007 χ^2/NDF: 234021.7/47

Right: 65.464+/-0.008 χ^2/NDF: 2986074.6/66

In: 61.497+/-0.007 χ^2/NDF:1556886.3/54

Out: 61.716+/-0.007 χ^2/NDF:2070206.9/59

All: 61.608+/-0.005 χ^2/NDF: 3627533.1/114



Right In: -417.381+/-137.428 χ^2/NDF: 36.9/31

Left Out: -87.459+/-78.556 χ^2/NDF:27.7/24

Right Out: 143.317+/-138.899 χ^2/NDF: 30.3/34

Left In: -48.742+/-80.548 χ^2/NDF:35.3/22

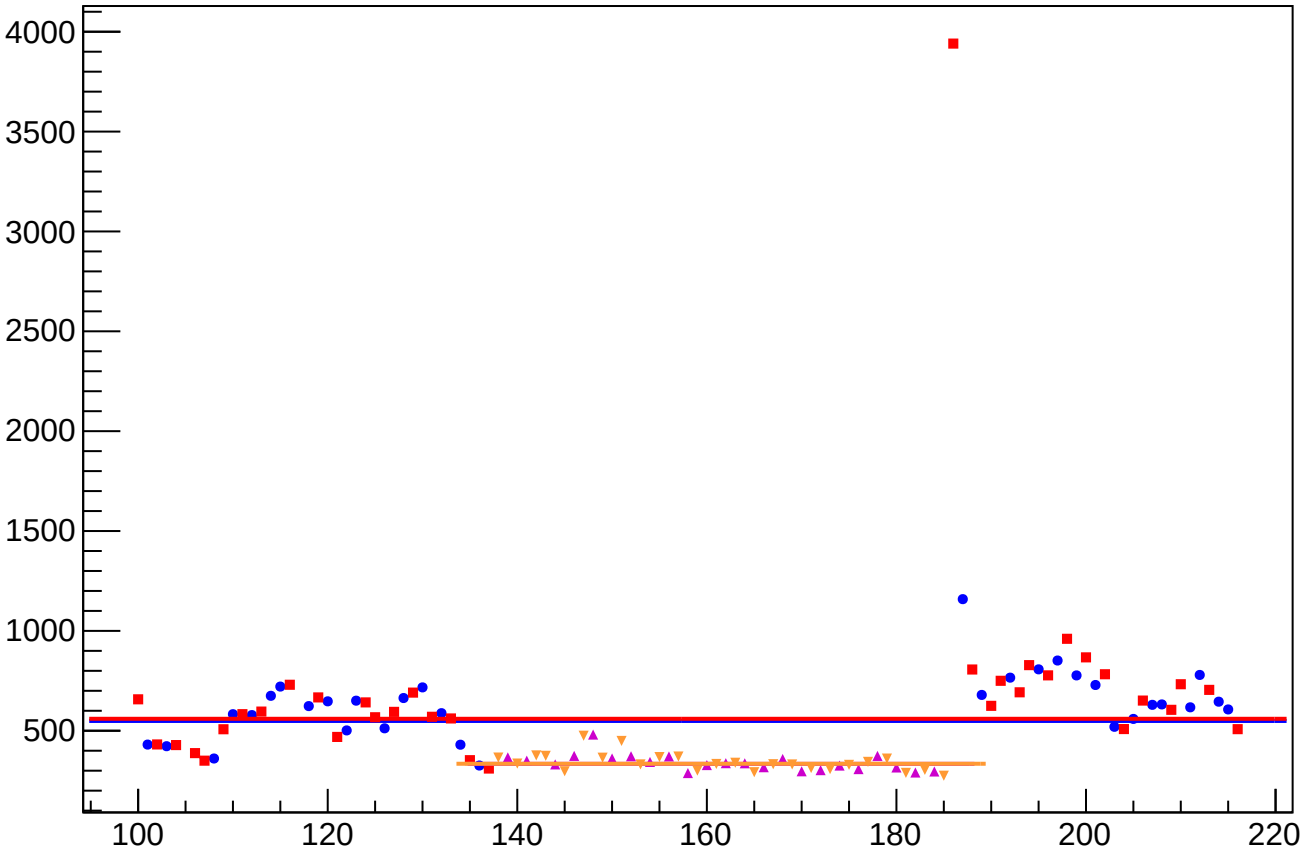
Left: -68.585+/-56.239 χ^2/NDF: 63.2/47

Right: -140.015+/-97.692 χ^2/NDF: 75.4/66

In: -142.998+/-69.491 χ^2/NDF:77.5/54

Out: -31.531+/-68.378 χ^2/NDF:60.2/59

All: -86.364+/-48.739 χ^2/NDF: 139.0/114



Right In: 549.055+/-0.097 χ^2/NDF: 2469178.2/31

Left Out: 334.749+/-0.056 χ^2/NDF:491370.4/24

Right Out: 559.880+/-0.098 χ^2/NDF: 3141417.9/34

Left In: 334.147+/-0.057 χ^2/NDF:397200.6/22

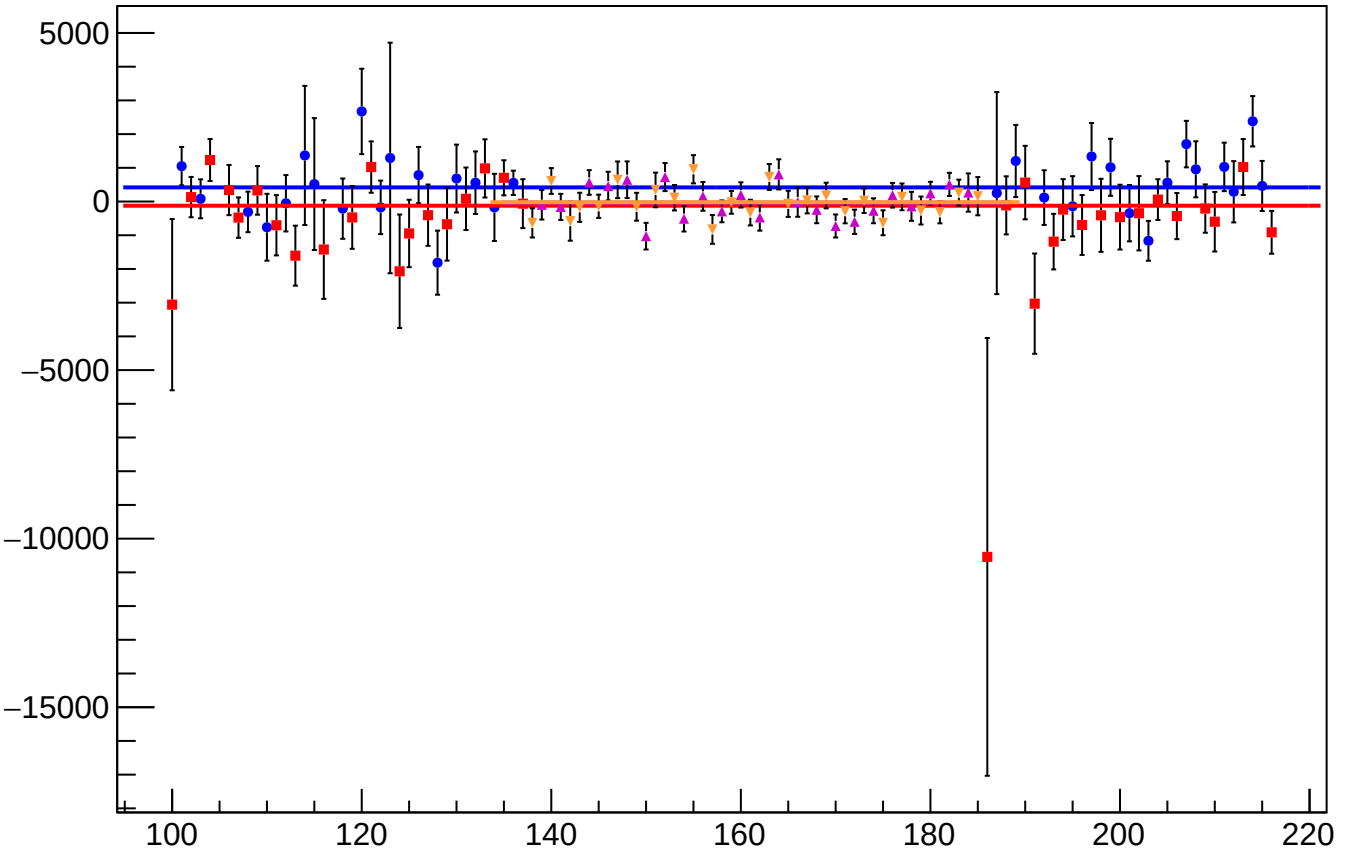
Left: 334.455+/-0.040 χ^2/NDF: 888628.3/47

Right: 554.410+/-0.069 χ^2/NDF: 5616734.3/66

In: 389.096+/-0.049 χ^2/NDF:6506708.8/54

Out: 389.309+/-0.048 χ^2/NDF:7613645.9/59

All: 389.204+/-0.034 χ^2/NDF: 14120364.2/11



Right In: 419.614+/-138.718 χ^2/NDF: 37.6/31

Left Out: -20.895+/-79.812 χ^2/NDF:27.2/24

Right Out: -123.842+/-140.271 χ^2/NDF: 33.5/34

Left In: -31.800+/-81.839 χ^2/NDF:34.0/22

Left: -26.211+/-57.139 χ^2/NDF: 61.3/47

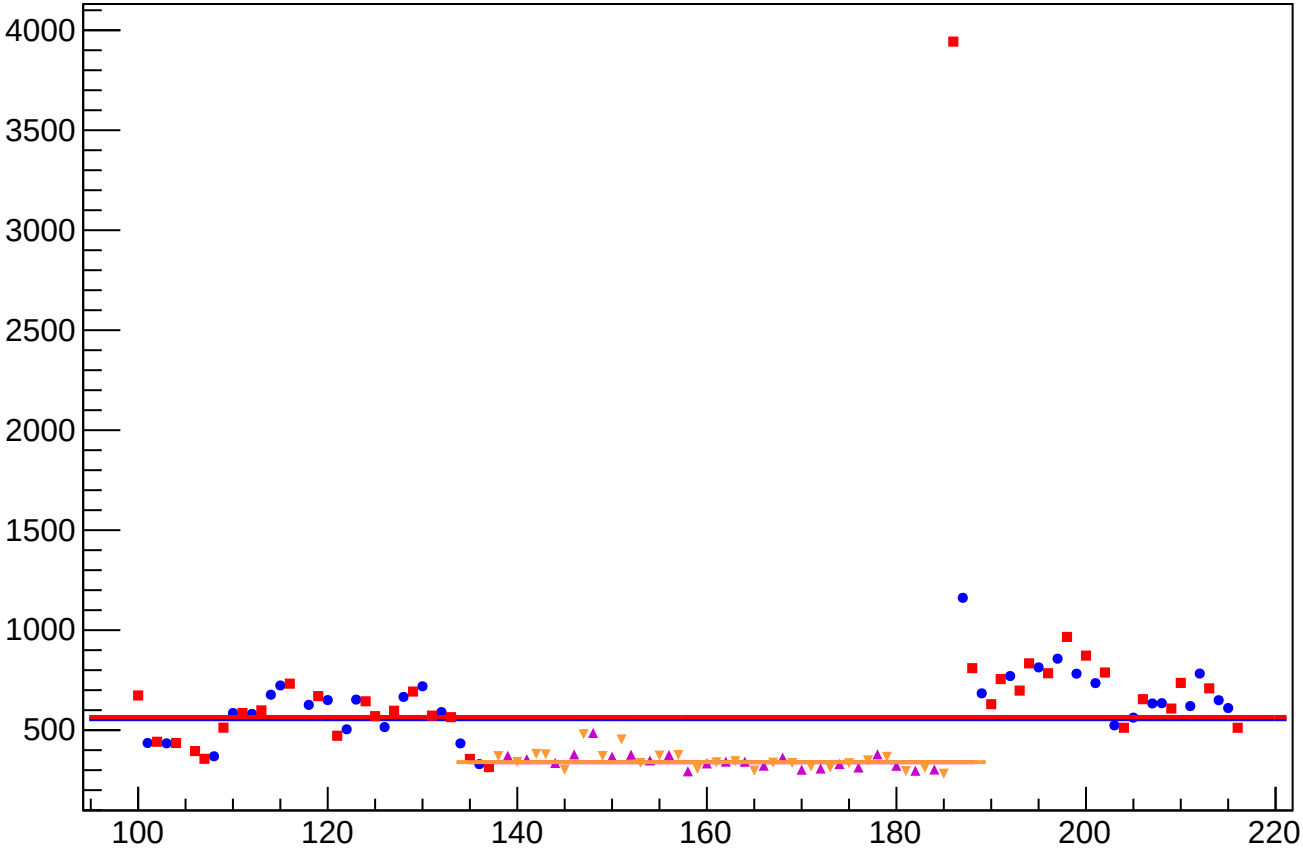
Right: 150.910+/-98.633 χ^2/NDF: 78.7/66

In: 84.753+/-70.487 χ^2/NDF:79.5/54

Out: -46.073+/-69.369 χ^2/NDF:61.1/59

All: 18.295+/-49.442 χ^2/NDF: 142.4/114

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 554.845+/-0.098 χ^2/NDF: 2400330.6/31

Left Out: 340.238+/-0.056 χ^2/NDF:468863.6/24

Right Out: 565.968+/-0.099 χ^2/NDF: 3071264.9/34

Left In: 339.621+/-0.058 χ^2/NDF:379808.1/22

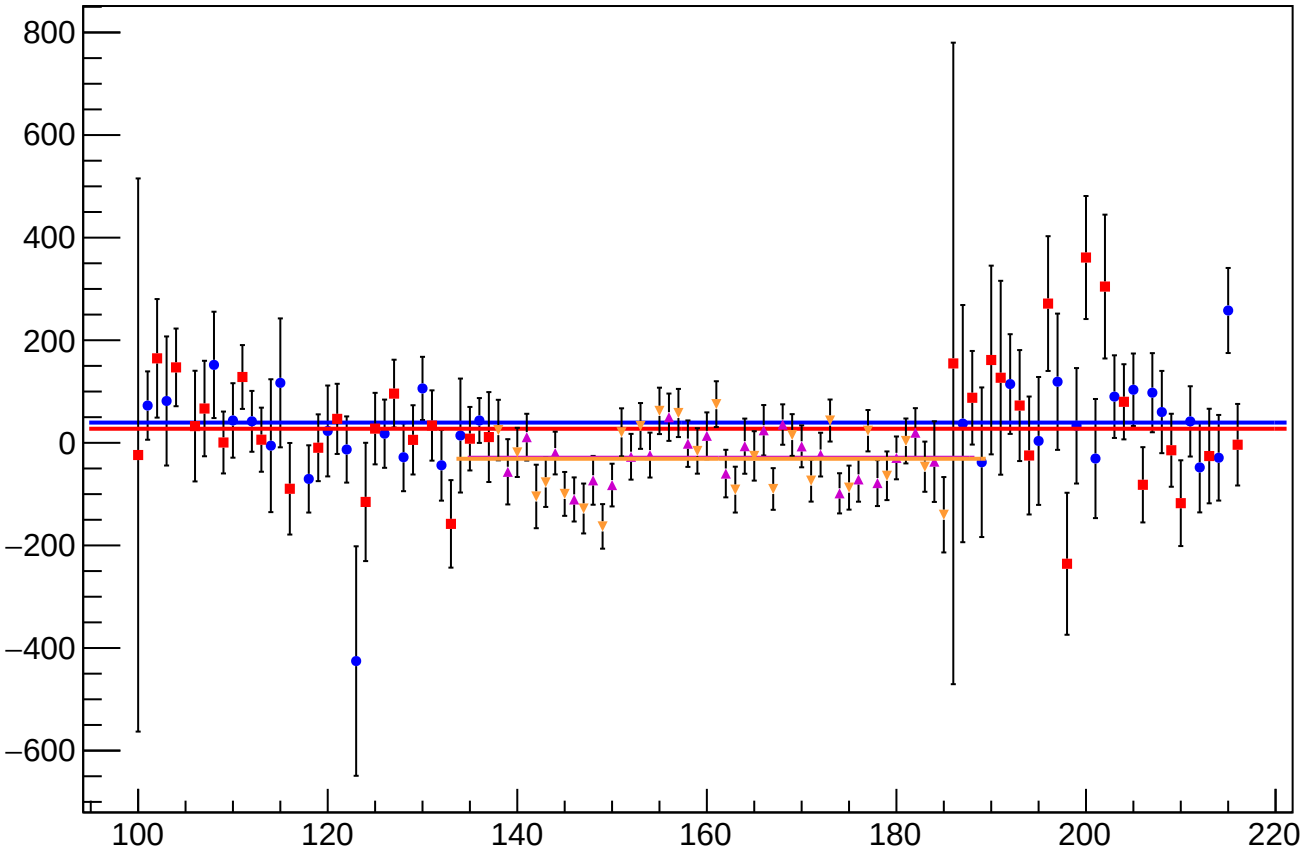
Left: 339.937+/-0.040 χ^2/NDF: 848729.8/47

Right: 560.344+/-0.070 χ^2/NDF: 5477953.8/66

In: 395.191+/-0.050 χ^2/NDF:6351483.2/54

Out: 395.444+/-0.049 χ^2/NDF:7452786.6/59

All: 395.319+/-0.035 χ^2/NDF: 13804282.9/11



Right In: 39.484+/-14.305 χ^2/NDF: 25.8/31

Left Out: -31.063+/-9.170 χ^2/NDF:52.6/24

Right Out: 27.462+/-14.360 χ^2/NDF: 43.7/34

Left In: -29.055+/-9.449 χ^2/NDF:22.4/22

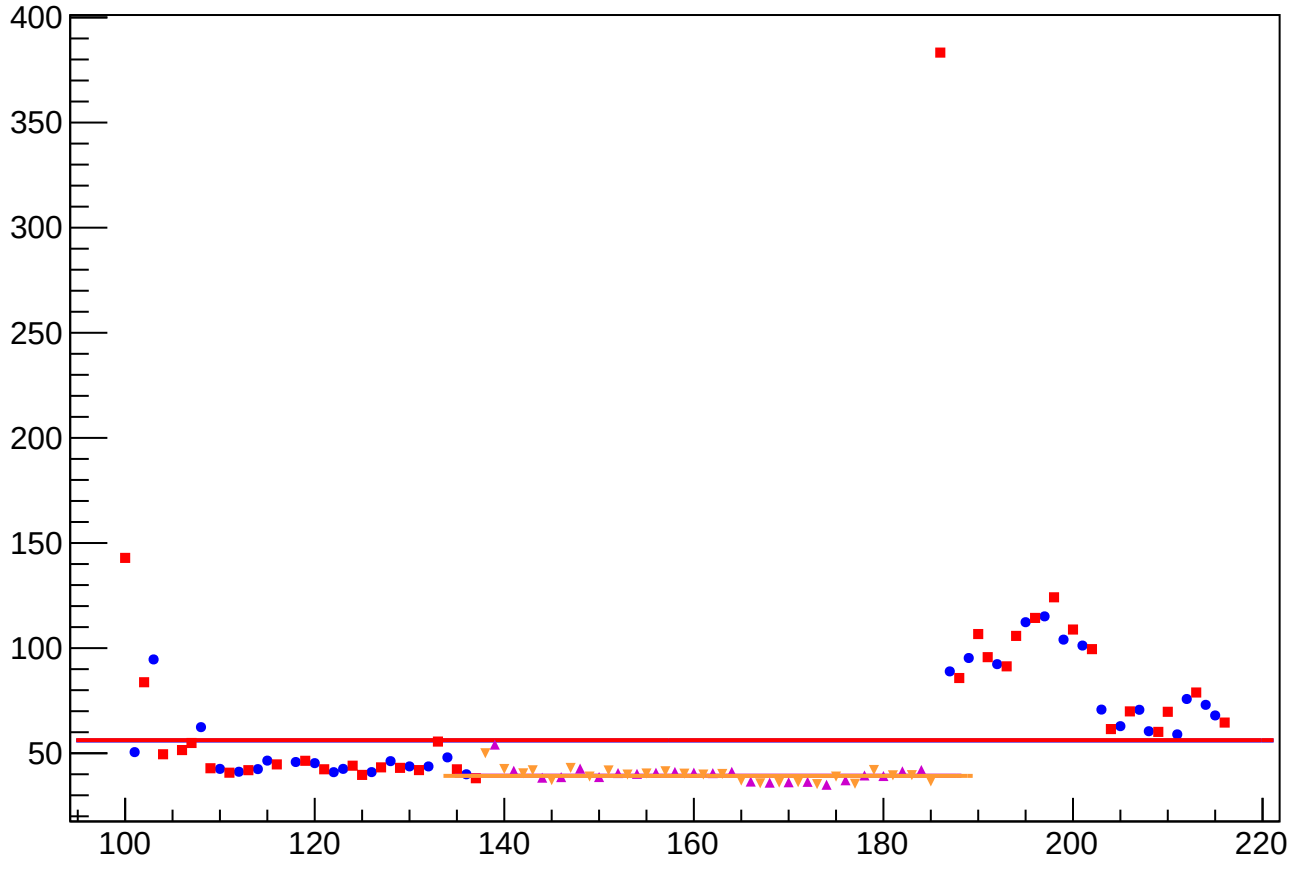
Left: -30.089+/-6.581 χ^2/NDF: 75.1/47

Right: 33.496+/-10.134 χ^2/NDF: 69.9/66

In: -8.234+/-7.885 χ^2/NDF:64.3/54

Out: -14.111+/-7.728 χ^2/NDF:108.1/59

All: -11.231+/-5.519 χ^2/NDF: 172.7/114



Right In: 56.049+/-0.010 χ^2/NDF: 3528453.2/31

Left Out: 39.235+/-0.006 χ^2/NDF:201960.7/24

Right Out: 56.234+/-0.010 χ^2/NDF: 4540544.2/34

Left In: 39.338+/-0.007 χ^2/NDF:215671.3/22

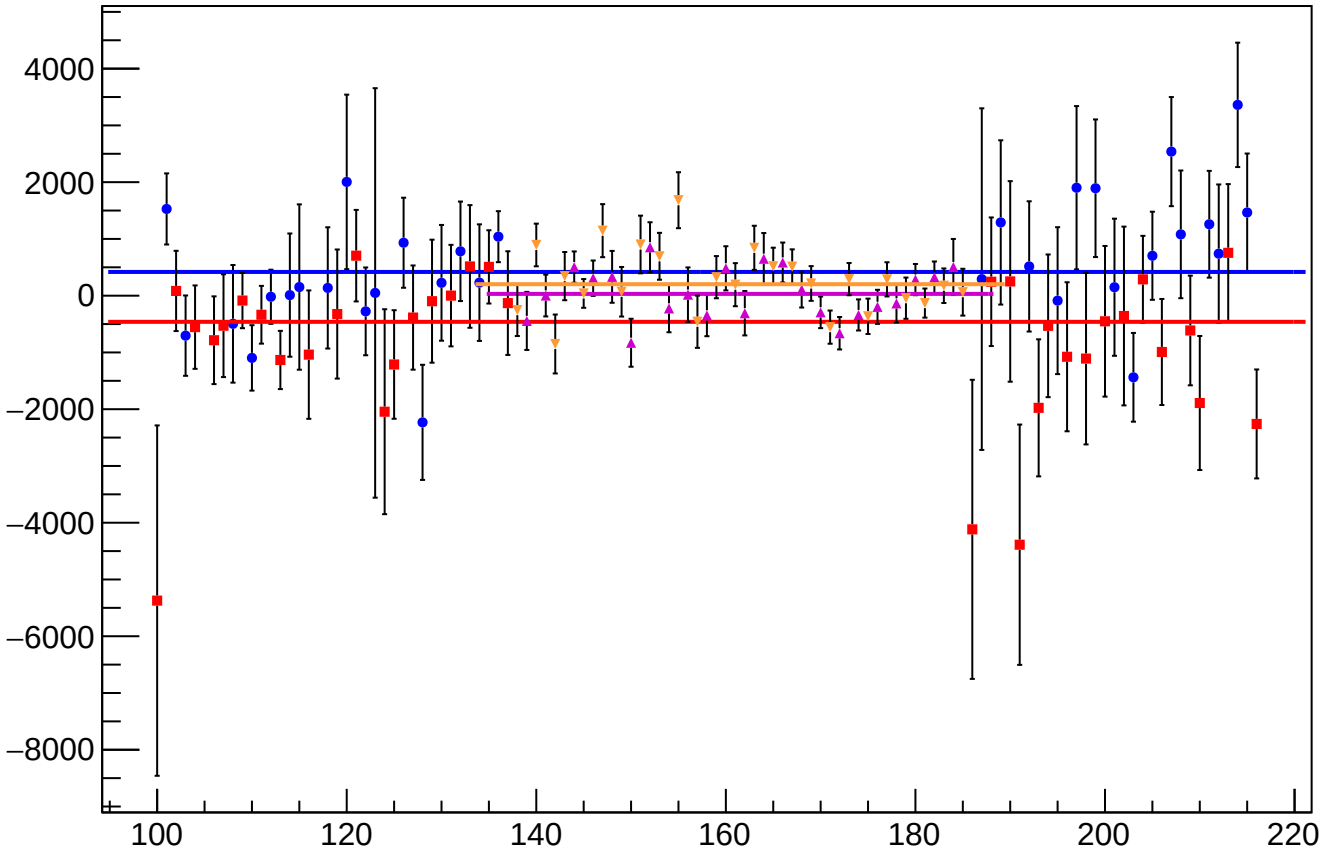
Left: 39.285+/-0.005 χ^2/NDF: 417755.0/47

Right: 56.141+/-0.007 χ^2/NDF: 8069163.2/66

In: 44.415+/-0.006 χ^2/NDF:5644230.1/54

Out: 44.159+/-0.005 χ^2/NDF:6733333.6/59

All: 44.284+/-0.004 χ^2/NDF: 12378639.1/114



Right In: 418.304+/-157.121 χ^2/NDF: 48.9/31

Left Out: 202.369+/-70.426 χ^2/NDF:44.8/24

Right Out: -460.557+/-154.029 χ^2/NDF: 28.2/34

Left In: 31.548+/-72.100 χ^2/NDF:33.4/22

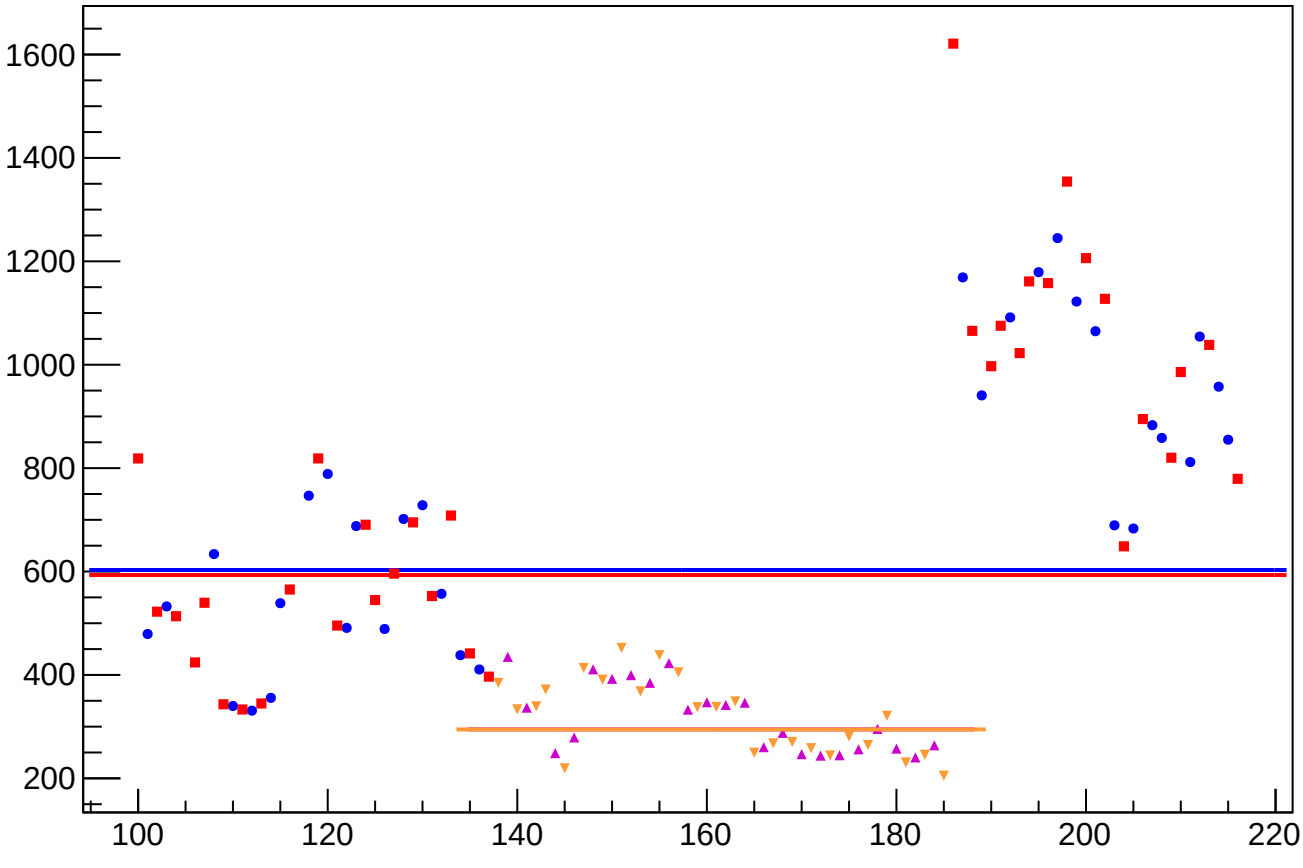
Left: 118.965+/-50.380 χ^2/NDF: 81.1/47

Right: -29.860+/-109.992 χ^2/NDF: 93.1/66

In: 98.822+/-65.530 χ^2/NDF:87.3/54

Out: 87.744+/-64.049 χ^2/NDF:88.4/59

All: 93.156+/-45.804 χ^2/NDF: 175.6/114



Right In: 602.991+/-0.111 χ^2/NDF: 4912548.3/31

Left Out: 294.591+/-0.050 χ^2/NDF:1680474.5/24

Right Out: 593.273+/-0.109 χ^2/NDF: 5994731.3/34

Left In: 294.722+/-0.051 χ^2/NDF:1297310.3/22

Left: 294.655+/-0.036 χ^2/NDF: 2977788.1/47

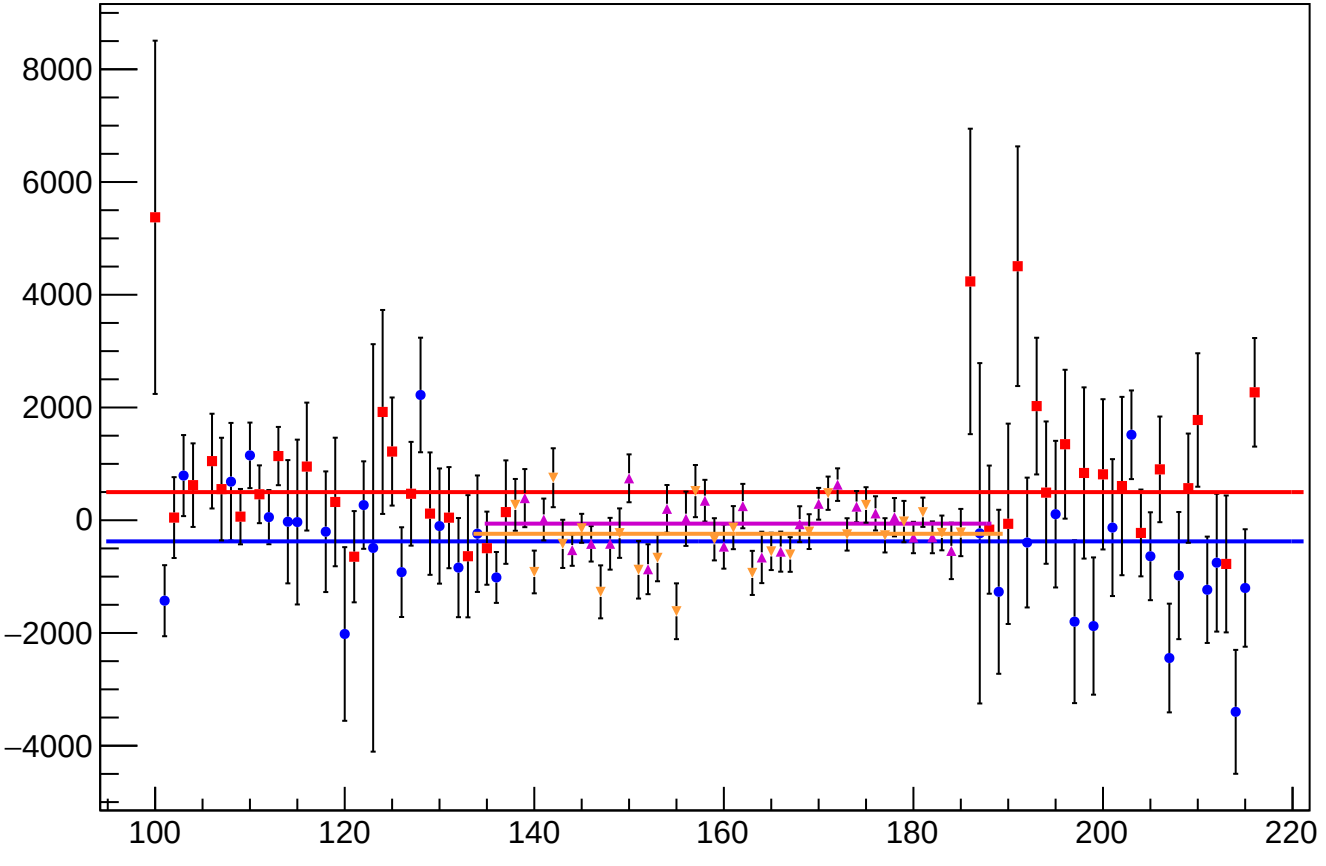
Right: 598.035+/-0.078 χ^2/NDF: 10911181.4/66

In: 348.344+/-0.046 χ^2/NDF:12569467.5/54

Out: 346.236+/-0.045 χ^2/NDF:13895297.3/59

All: 347.266+/-0.032 χ^2/NDF: 26465823.0/11

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -374.864+/-157.989 χ^2/NDF: 48.5/31

Left Out: -240.357+/-71.100 χ^2/NDF:42.9/24

Right Out: 498.965+/-155.386 χ^2/NDF: 27.7/34

Left In: -60.330+/-72.788 χ^2/NDF:30.9/22

Left: -152.455+/-50.862 χ^2/NDF: 77.0/47

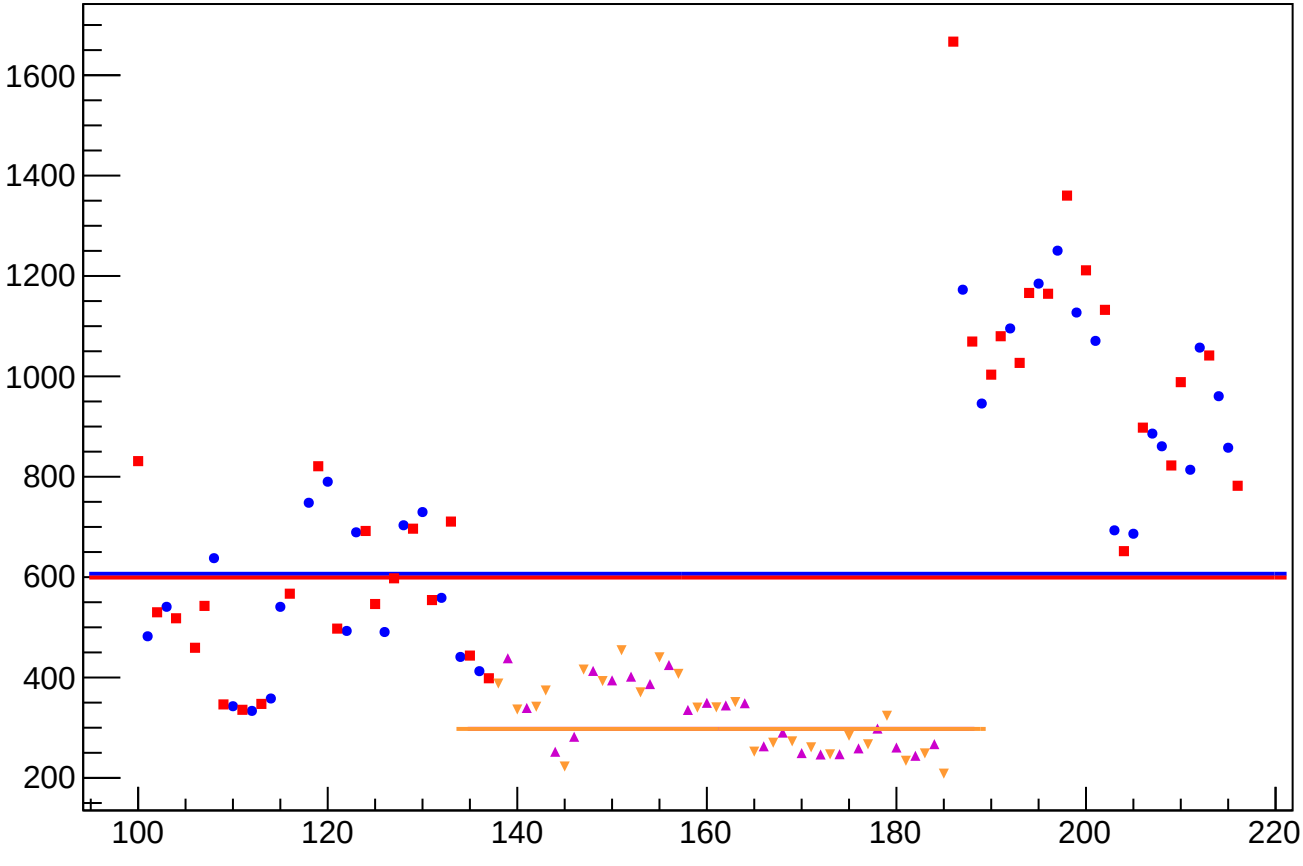
Right: 69.309+/-110.783 χ^2/NDF: 91.7/66

In: -115.403+/-66.109 χ^2/NDF:82.7/54

Out: -112.361+/-64.654 χ^2/NDF:89.3/59

All: -113.848+/-46.223 χ^2/NDF: 172.0/114

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 606.663+/-0.112 χ^2/NDF: 4881077.3/31

Left Out: 297.613+/-0.050 χ^2/NDF:1637757.8/24

Right Out: 599.182+/-0.110 χ^2/NDF: 5923268.2/34

Left In: 297.699+/-0.051 χ^2/NDF:1266306.2/22

Left: 297.655+/-0.036 χ^2/NDF: 2904065.4/47

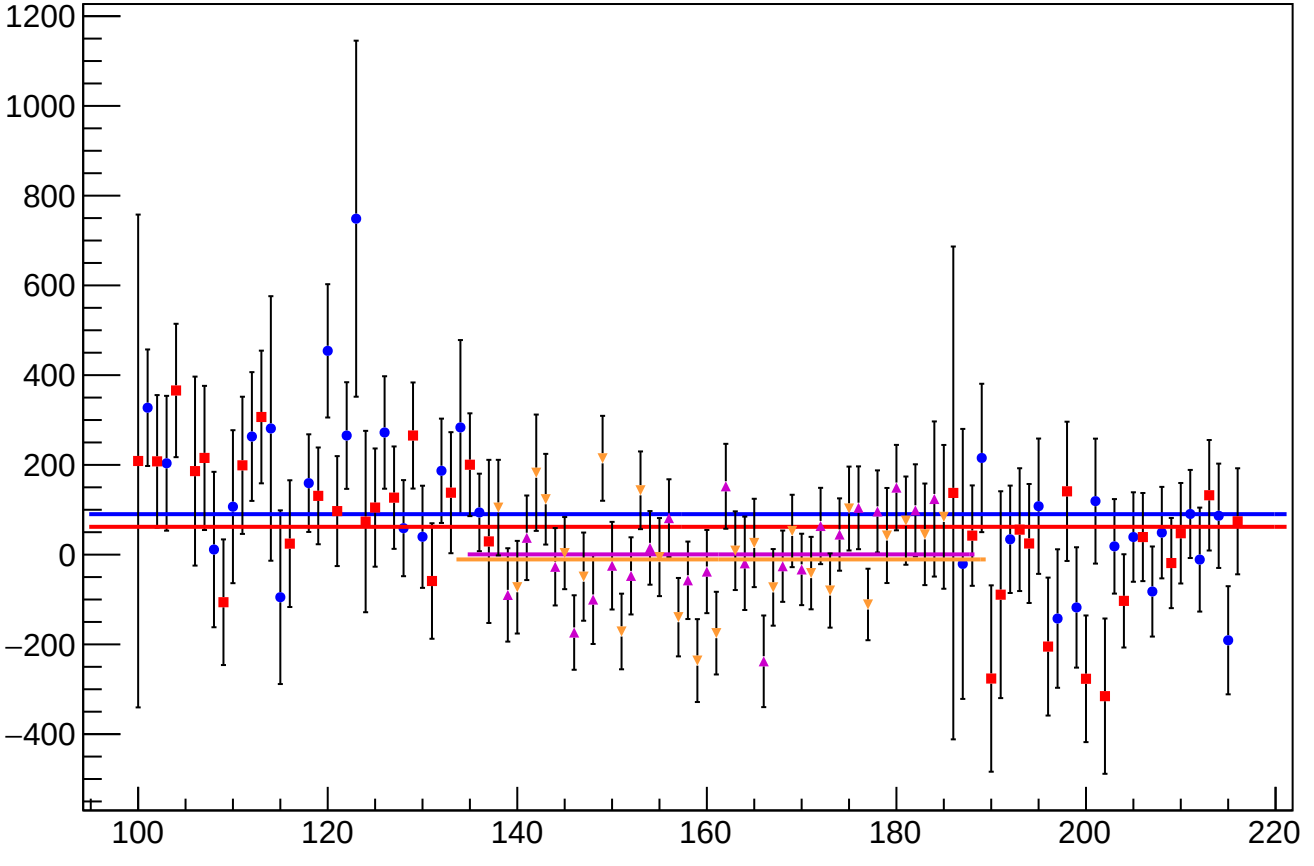
Right: 602.860+/-0.078 χ^2/NDF: 10806624.6/66

In: 351.797+/-0.047 χ^2/NDF:12456879.5/54

Out: 349.822+/-0.046 χ^2/NDF:13790073.1/59

All: 350.787+/-0.033 χ^2/NDF: 26247864.6/1

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 90.203+/-22.671 χ^2/NDF: 38.0/31

Left Out: -10.667+/-18.610 χ^2/NDF:36.3/24

Right Out: 61.988+/-23.150 χ^2/NDF: 38.7/34

Left In: 0.575+/-19.091 χ^2/NDF:23.8/22

Left: -5.190+/-13.326 χ^2/NDF: 60.3/47

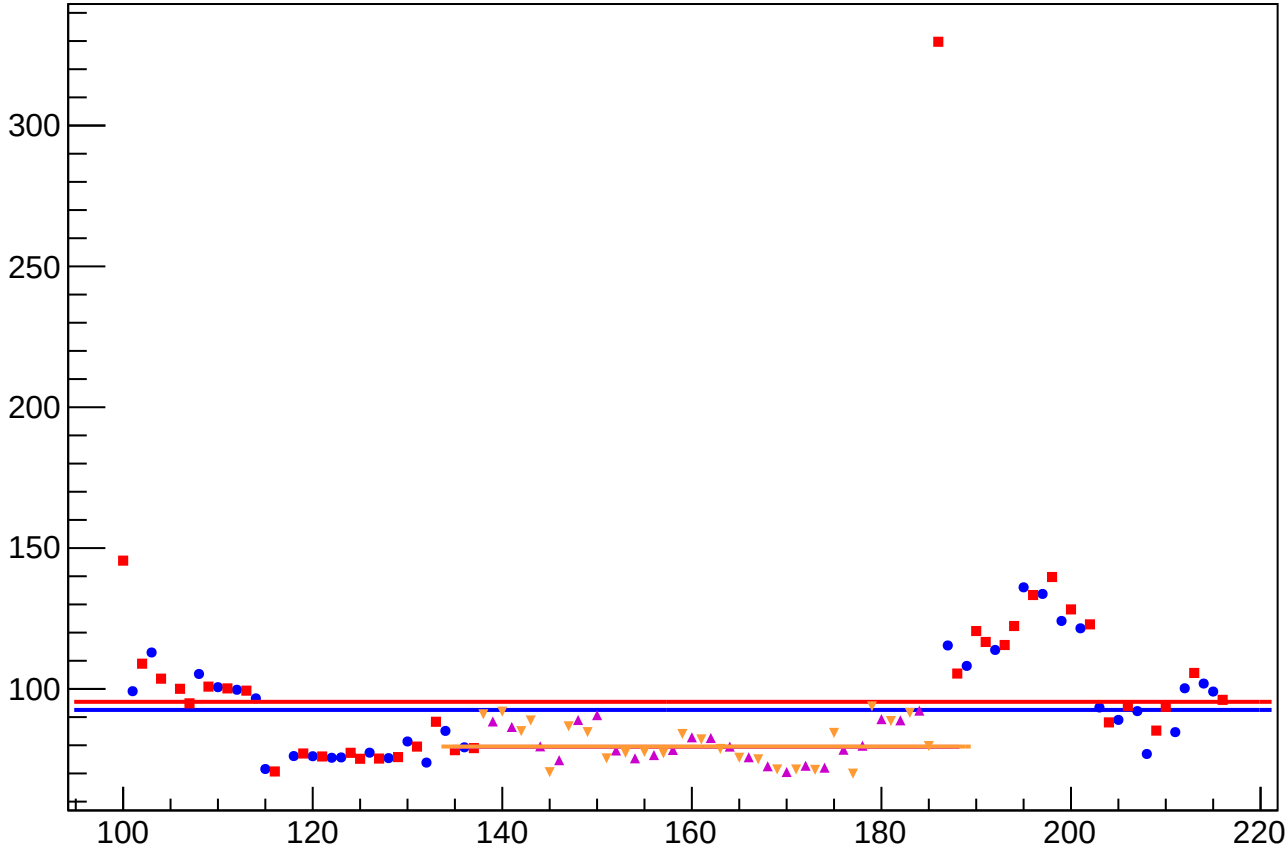
Right: 76.390+/-16.197 χ^2/NDF: 77.5/66

In: 37.762+/-14.603 χ^2/NDF:70.9/54

Out: 17.854+/-14.504 χ^2/NDF:81.0/59

All: 27.740+/-10.291 χ^2/NDF: 152.9/114

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 92.548+/-0.016 χ^2/NDF: 1091671.9/31

Left Out: 79.551+/-0.013 χ^2/NDF:309075.2/24

Right Out: 95.427+/-0.016 χ^2/NDF: 1535296.6/34

Left In: 79.436+/-0.013 χ^2/NDF:212440.1/22

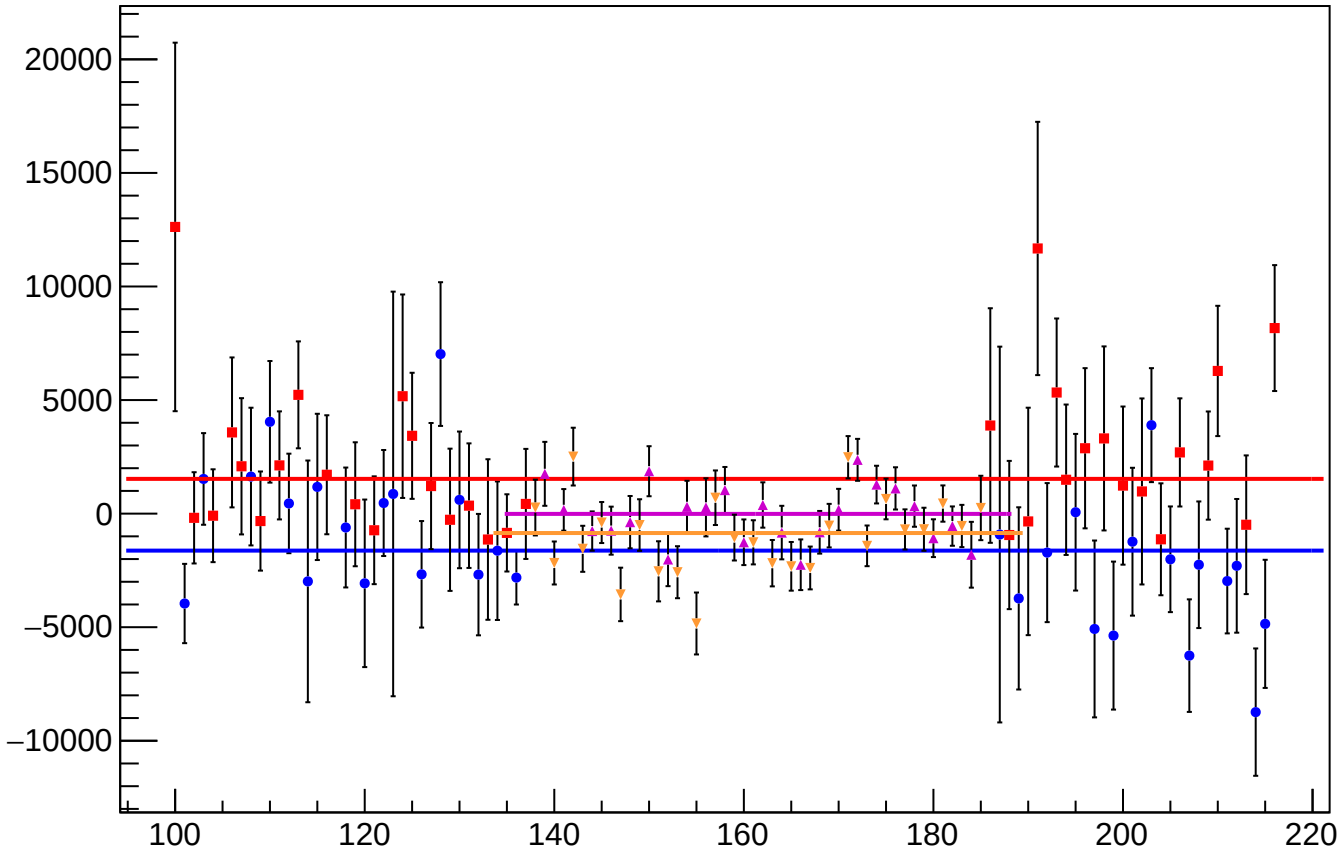
Left: 79.495+/-0.009 χ^2/NDF: 521552.2/47

Right: 93.957+/-0.011 χ^2/NDF: 2642758.6/66

In: 84.877+/-0.010 χ^2/NDF:1695504.5/54

Out: 85.783+/-0.010 χ^2/NDF:2415757.1/59

All: 85.333+/-0.007 χ^2/NDF: 4115142.4/114



Right In: -1628.275+/-464.177 χ^2/NDF: 41.3/31

Left Out: -854.130+/-204.090 χ^2/NDF:56.0/24

Right Out: 1530.210+/-475.662 χ^2/NDF: 28.7/34

Left In: -11.687+/-210.073 χ^2/NDF:31.2/22

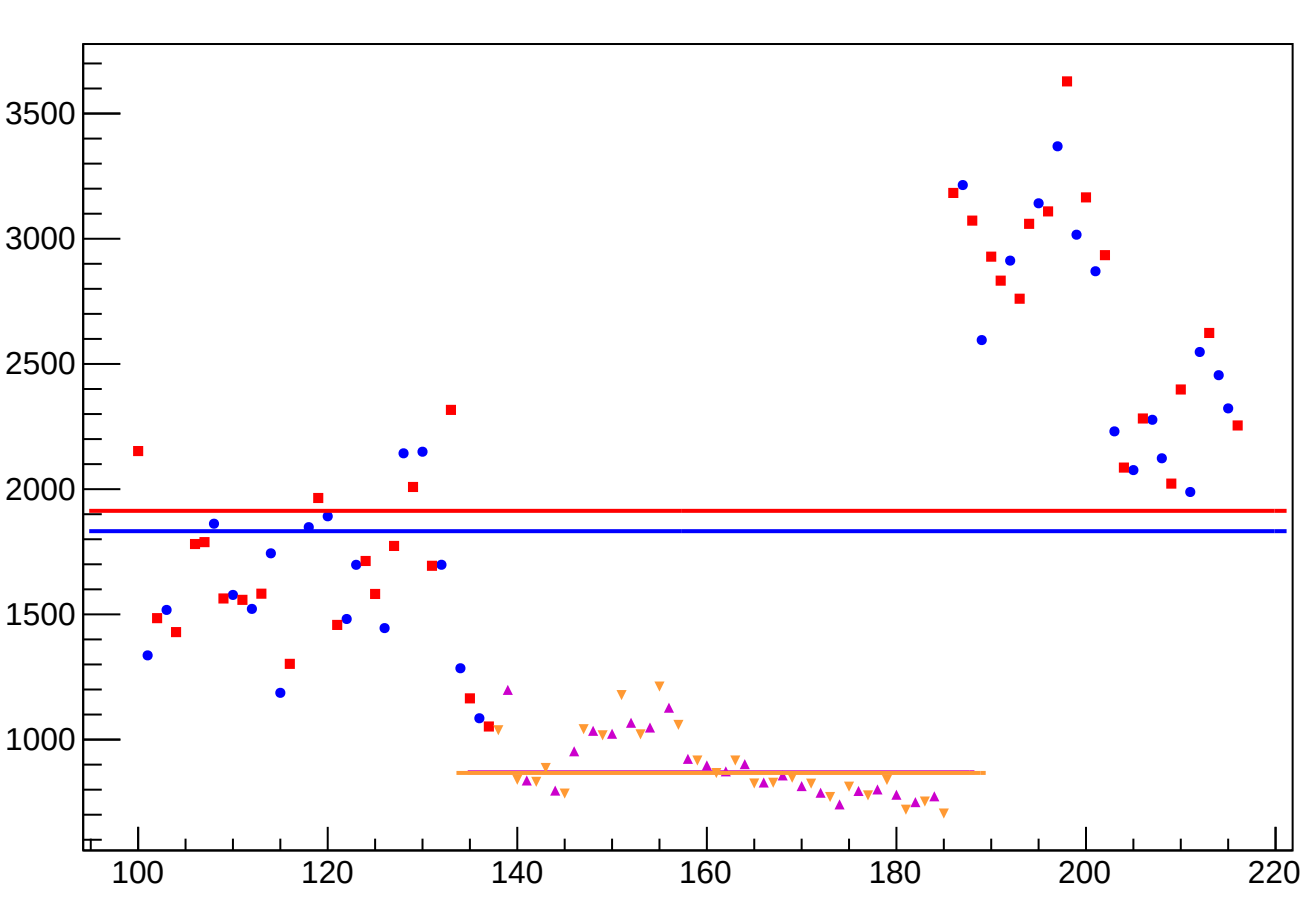
Left: -445.076+/-146.383 χ^2/NDF: 95.5/47

Right: -87.623+/-332.209 χ^2/NDF: 92.6/66

In: -286.508+/-191.386 χ^2/NDF:82.6/54

Out: -483.425+/-187.555 χ^2/NDF:105.9/59

All: -386.957+/-133.955 χ^2/NDF: 189.1/114



Right In: 1832.285+/-0.328 χ^2/NDF: 3245700.4/31

Left Out: 866.893+/-0.144 χ^2/NDF:661712.5/24

Right Out: 1913.458+/-0.336 χ^2/NDF: 3362913.4/34

Left In: 869.569+/-0.149 χ^2/NDF:582301.2/22

Left: 868.192+/-0.104 χ^2/NDF: 1244180.7/47

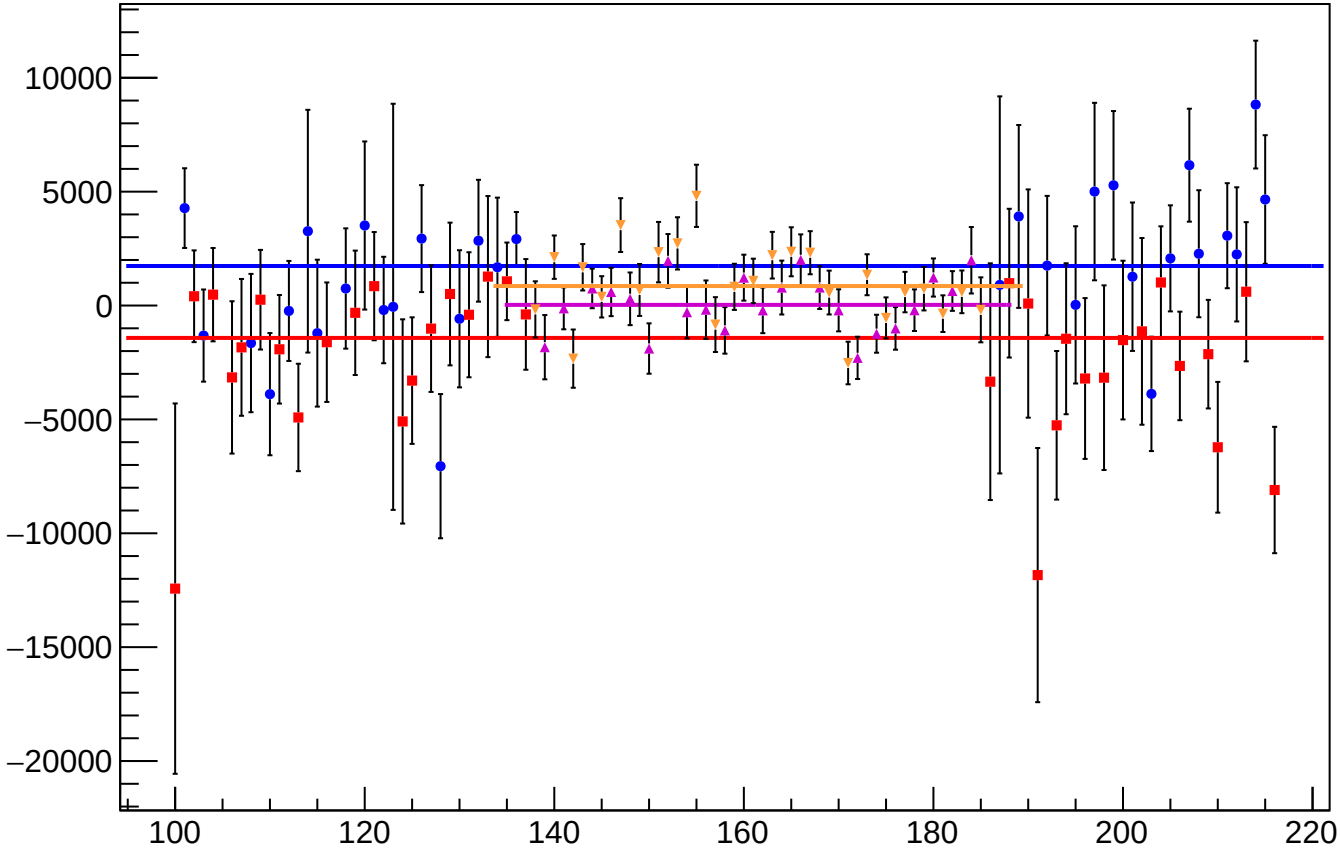
Right: 1871.879+/-0.235 χ^2/NDF: 6638447.6/66

In: 1033.231+/-0.135 χ^2/NDF:10968627.2/54

Out: 1029.608+/-0.133 χ^2/NDF:12201319.7/59

All: 1031.383+/-0.095 χ^2/NDF: 23170312.6/1

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1735.867+/-464.936 χ^2/NDF: 41.1/31

Left Out: 855.664+/-205.047 χ^2/NDF:54.1/24

Right Out: -1422.265+/-476.523 χ^2/NDF: 28.7/34

Left In: 28.553+/-211.034 χ^2/NDF:29.7/22

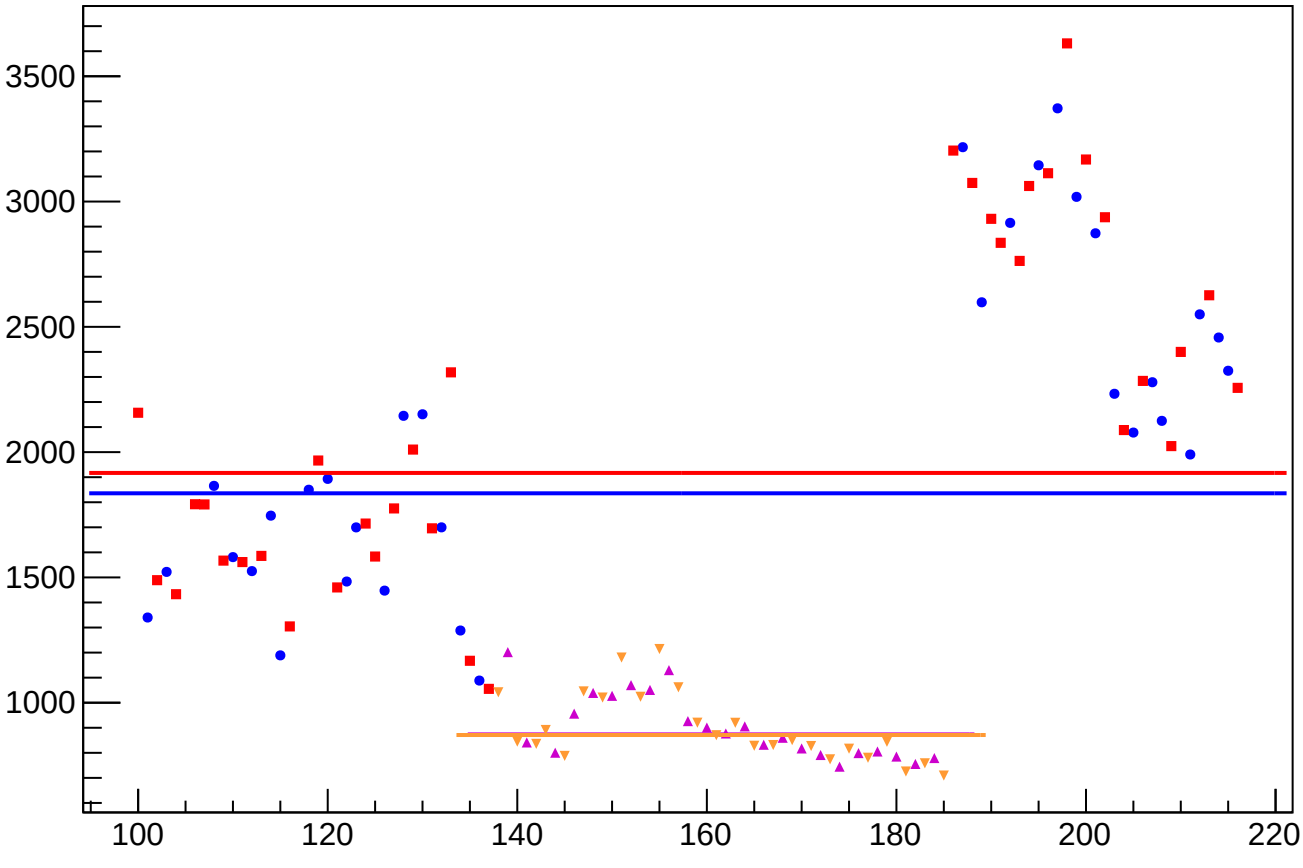
Left: 454.007+/-147.061 χ^2/NDF: 91.7/47

Right: 195.663+/-332.780 χ^2/NDF: 92.3/66

In: 320.212+/-192.165 χ^2/NDF:82.0/54

Out: 499.784+/-188.350 χ^2/NDF:102.0/59

All: 411.798+/-134.512 χ^2/NDF: 184.5/114



Right In: 1835.704+/-0.329 χ^2/NDF: 3231980.9/31

Left Out: 871.109+/-0.145 χ^2/NDF:651751.1/24

Right Out: 1916.983+/-0.337 χ^2/NDF: 3353215.9/34

Left In: 873.675+/-0.149 χ^2/NDF:573822.5/22

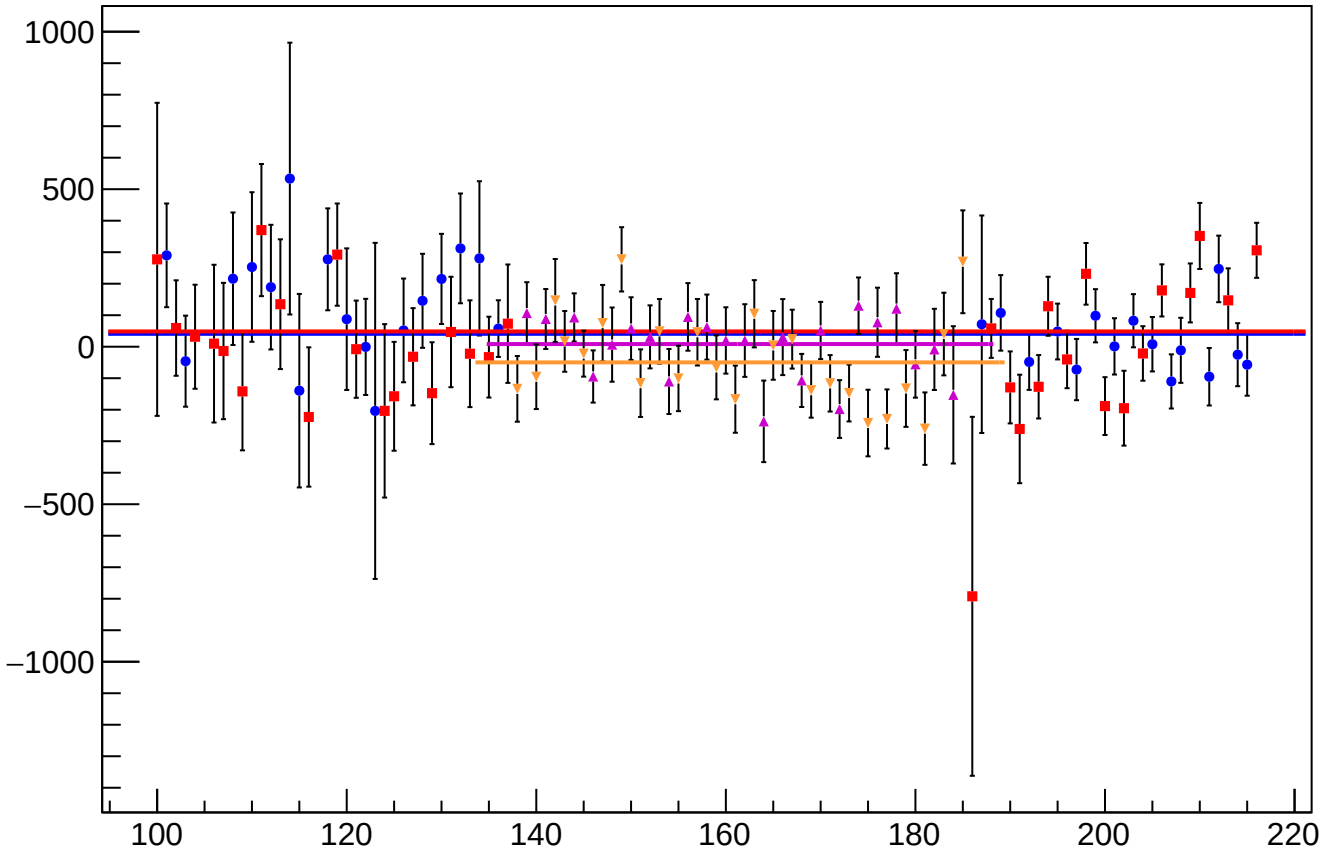
Left: 872.355+/-0.104 χ^2/NDF: 1225725.6/47

Right: 1875.344+/-0.235 χ^2/NDF: 6615006.1/66

In: 1038.018+/-0.136 χ^2/NDF:10905898.9/54

Out: 1034.505+/-0.133 χ^2/NDF:12134134.7/59

All: 1036.226+/-0.095 χ^2/NDF: 23040374.3/1



Right In: 40.980+/-21.347 χ^2/NDF: 28.8/31

Left Out: -49.717+/-20.580 χ^2/NDF:39.4/24

Right Out: 48.453+/-21.579 χ^2/NDF: 62.1/34

Left In: 8.343+/-21.271 χ^2/NDF:22.0/22

Left: -21.646+/-14.791 χ^2/NDF: 65.3/47

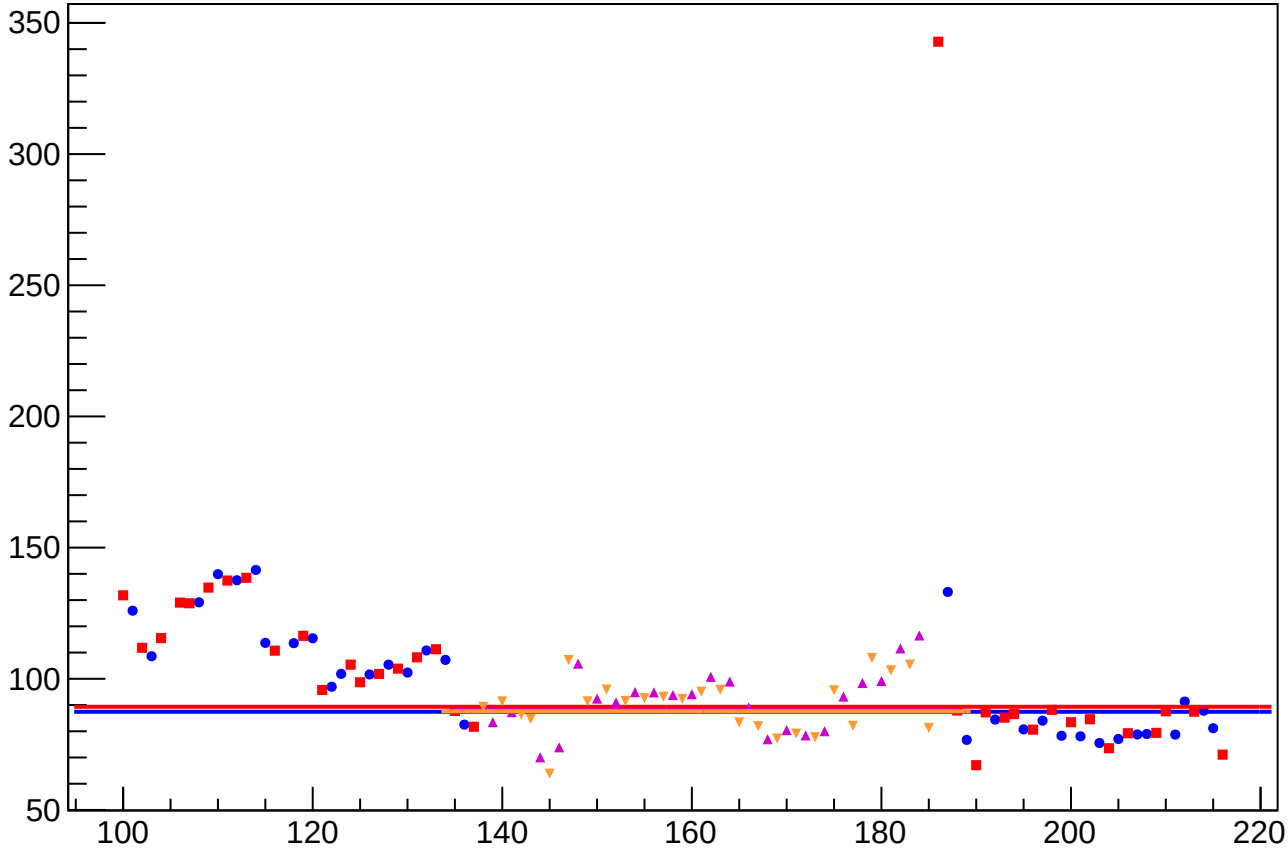
Right: 44.676+/-15.176 χ^2/NDF: 90.9/66

In: 24.604+/-15.068 χ^2/NDF:51.9/54

Out: -2.958+/-14.893 χ^2/NDF:112.4/59

All: 10.662+/-10.592 χ^2/NDF: 166.0/114

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 87.431+/-0.015 χ^2/NDF: 960323.0/31

Left Out: 87.625+/-0.015 χ^2/NDF:554690.7/24

Right Out: 89.338+/-0.015 χ^2/NDF: 1457922.0/34

Left In: 88.032+/-0.015 χ^2/NDF:523710.9/22

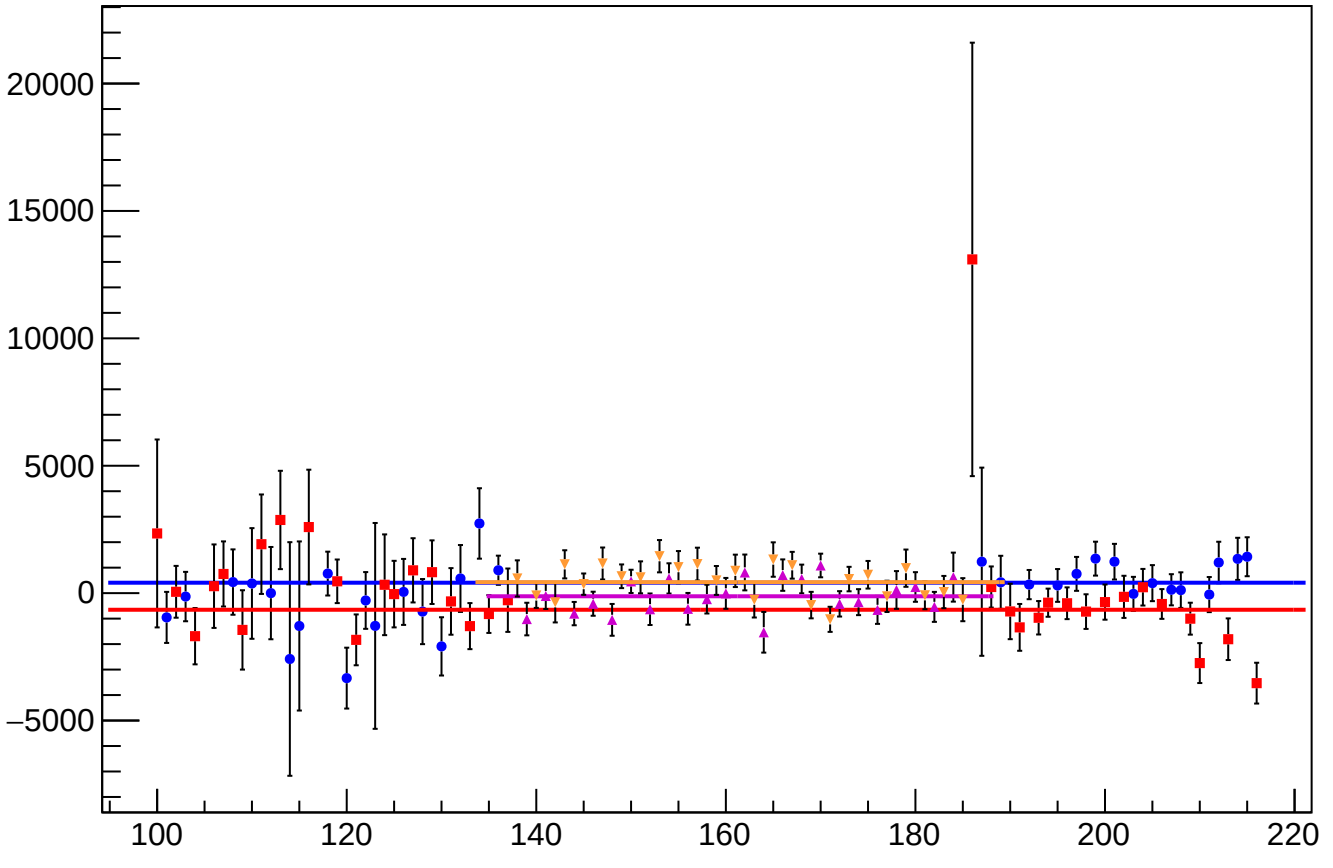
Left: 87.822+/-0.010 χ^2/NDF: 1078779.2/47

Right: 88.374+/-0.011 χ^2/NDF: 2426136.9/66

In: 87.733+/-0.011 χ^2/NDF:1484829.8/54

Out: 88.441+/-0.011 χ^2/NDF:2019207.0/59

All: 88.091+/-0.007 χ^2/NDF: 3506272.8/114



Right In: 409.190+/-155.917 χ^2/NDF: 31.7/31

Left Out: 431.658+/-115.706 χ^2/NDF:30.5/24

Right Out: -652.271+/-153.701 χ^2/NDF: 47.8/34

Left In: -123.017+/-118.849 χ^2/NDF:29.3/22

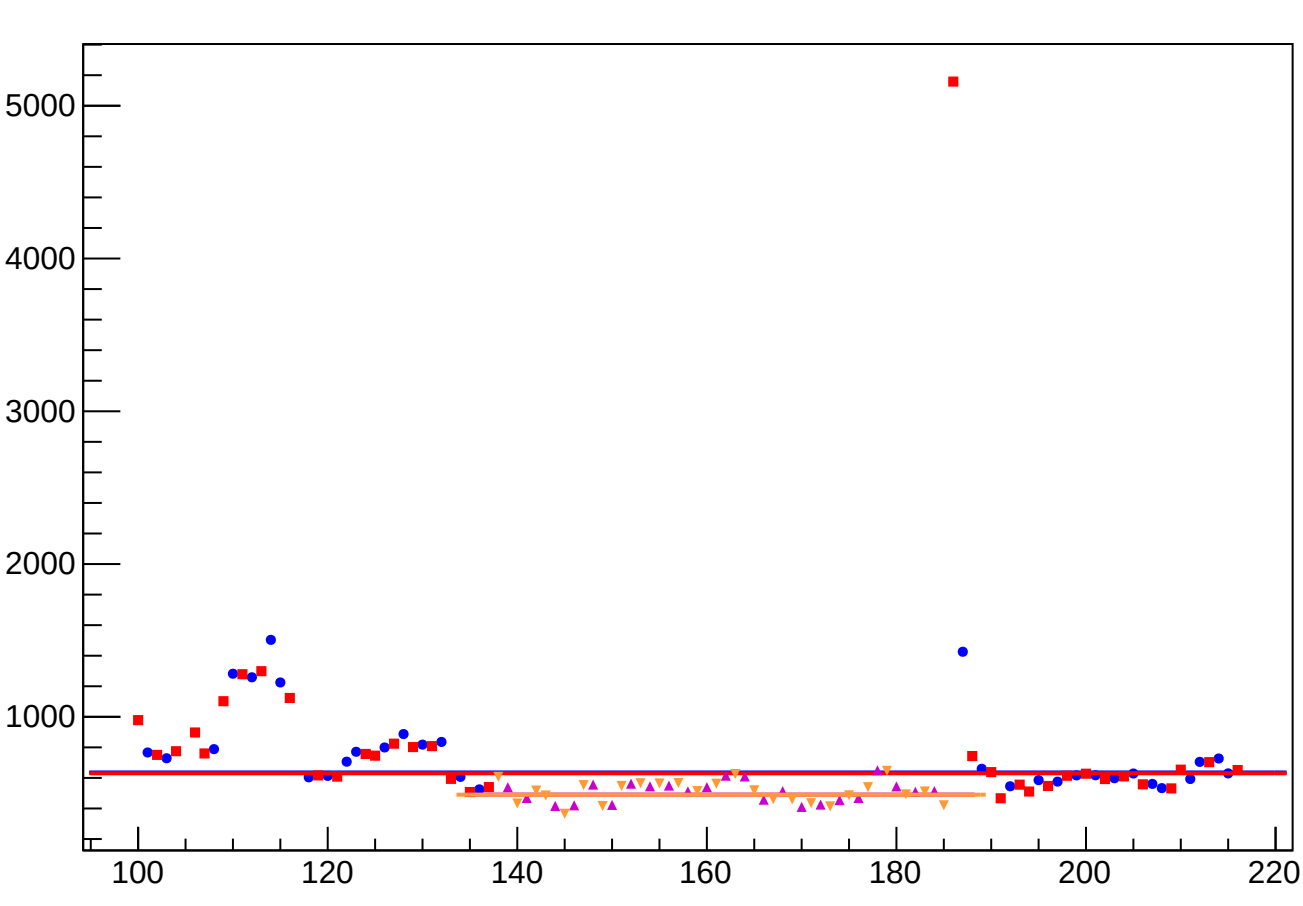
Left: 161.753+/-82.905 χ^2/NDF: 70.9/47

Right: -129.136+/-109.458 χ^2/NDF: 103.1/66

In: 72.572+/-94.520 χ^2/NDF:68.4/54

Out: 39.583+/-92.440 χ^2/NDF:110.0/59

All: 55.711+/-66.088 χ^2/NDF: 178.4/114



Right In: 635.801+/-0.110 χ^2/NDF: 1225464.2/31

Left Out: 490.267+/-0.082 χ^2/NDF:750277.0/24

Right Out: 630.442+/-0.109 χ^2/NDF: 2040101.2/34

Left In: 490.910+/-0.084 χ^2/NDF:589235.5/22

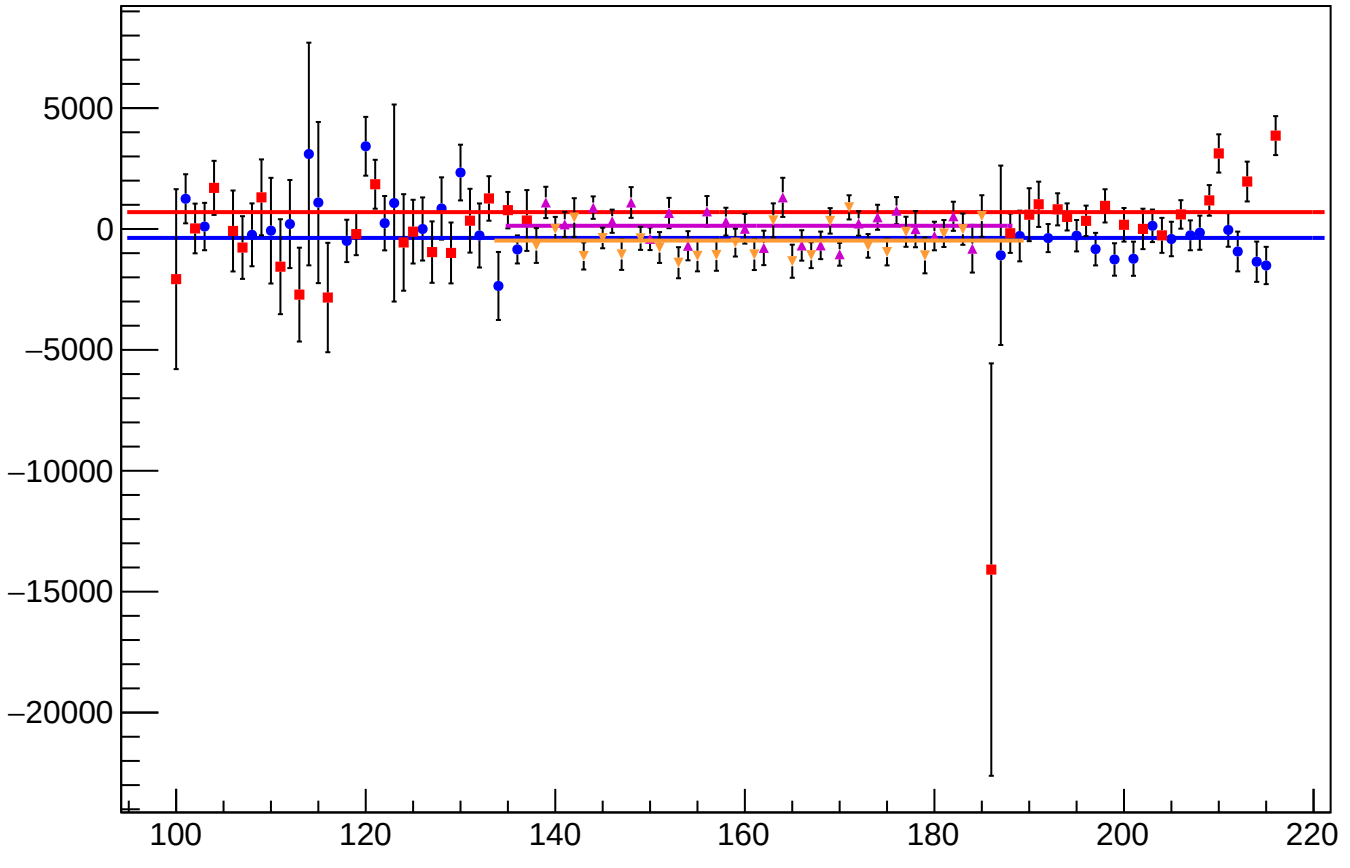
Left: 490.580+/-0.059 χ^2/NDF: 1339542.5/47

Right: 633.083+/-0.077 χ^2/NDF: 3266763.3/66

In: 544.158+/-0.067 χ^2/NDF:2907107.3/54

Out: 540.971+/-0.065 χ^2/NDF:3852157.6/59

All: 542.529+/-0.047 χ^2/NDF: 6760427.2/114



Right In: -369.427+/-157.528 χ^2/NDF: 31.7/31

Left Out: -478.197+/-117.659 χ^2/NDF:27.8/24

Right Out: 697.600+/-155.428 χ^2/NDF: 53.2/34

Left In: 132.543+/-120.866 χ^2/NDF:29.5/22

Left: -181.037+/-84.308 χ^2/NDF: 70.5/47

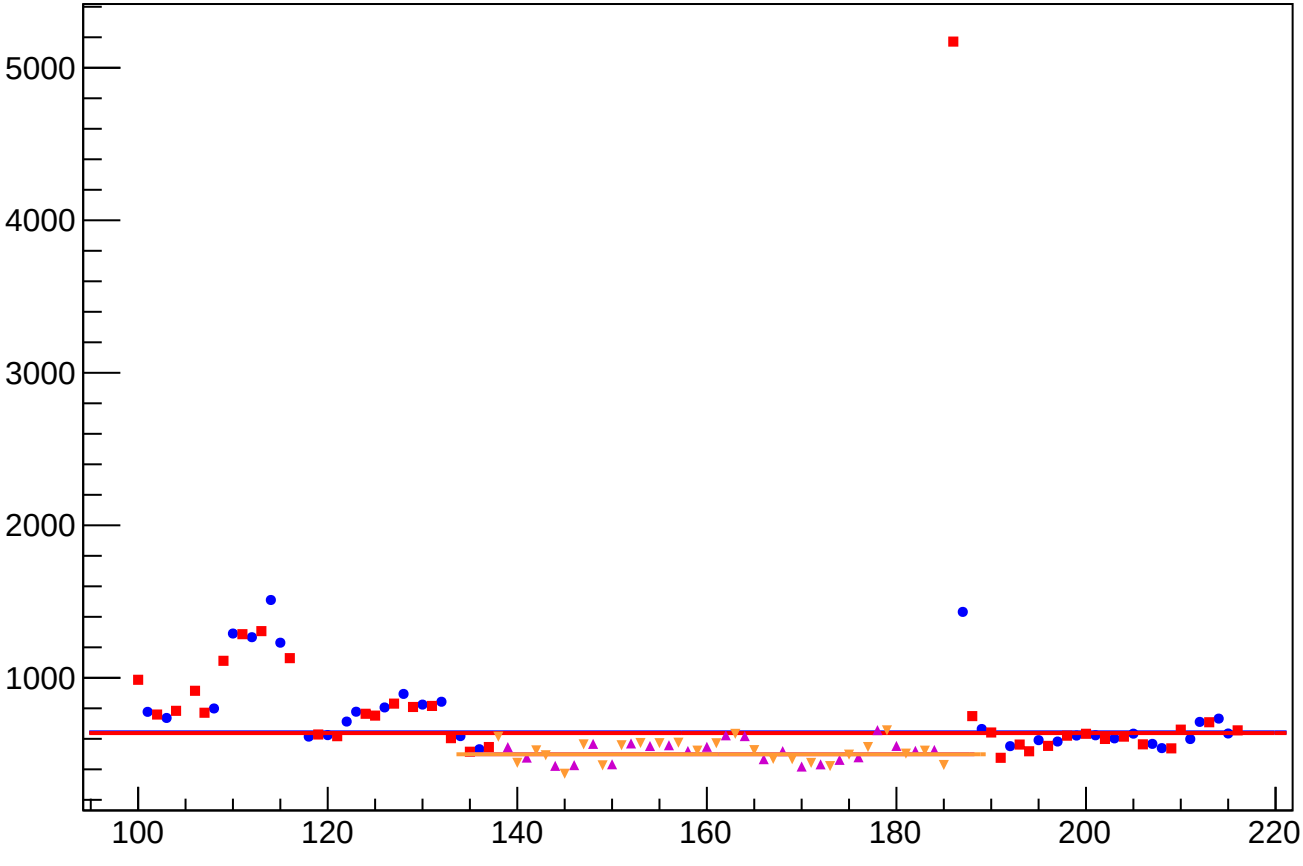
Right: 171.246+/-110.639 χ^2/NDF: 108.2/66

In: -53.464+/-95.892 χ^2/NDF:67.7/54

Out: -49.863+/-93.811 χ^2/NDF:117.4/59

All: -51.624+/-67.058 χ^2/NDF: 185.0/114

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 642.536+/-0.111 χ^2/NDF: 1213380.6/31

Left Out: 498.754+/-0.083 χ^2/NDF:734302.8/24

Right Out: 637.765+/-0.110 χ^2/NDF: 2018474.3/34

Left In: 499.393+/-0.085 χ^2/NDF:576539.2/22

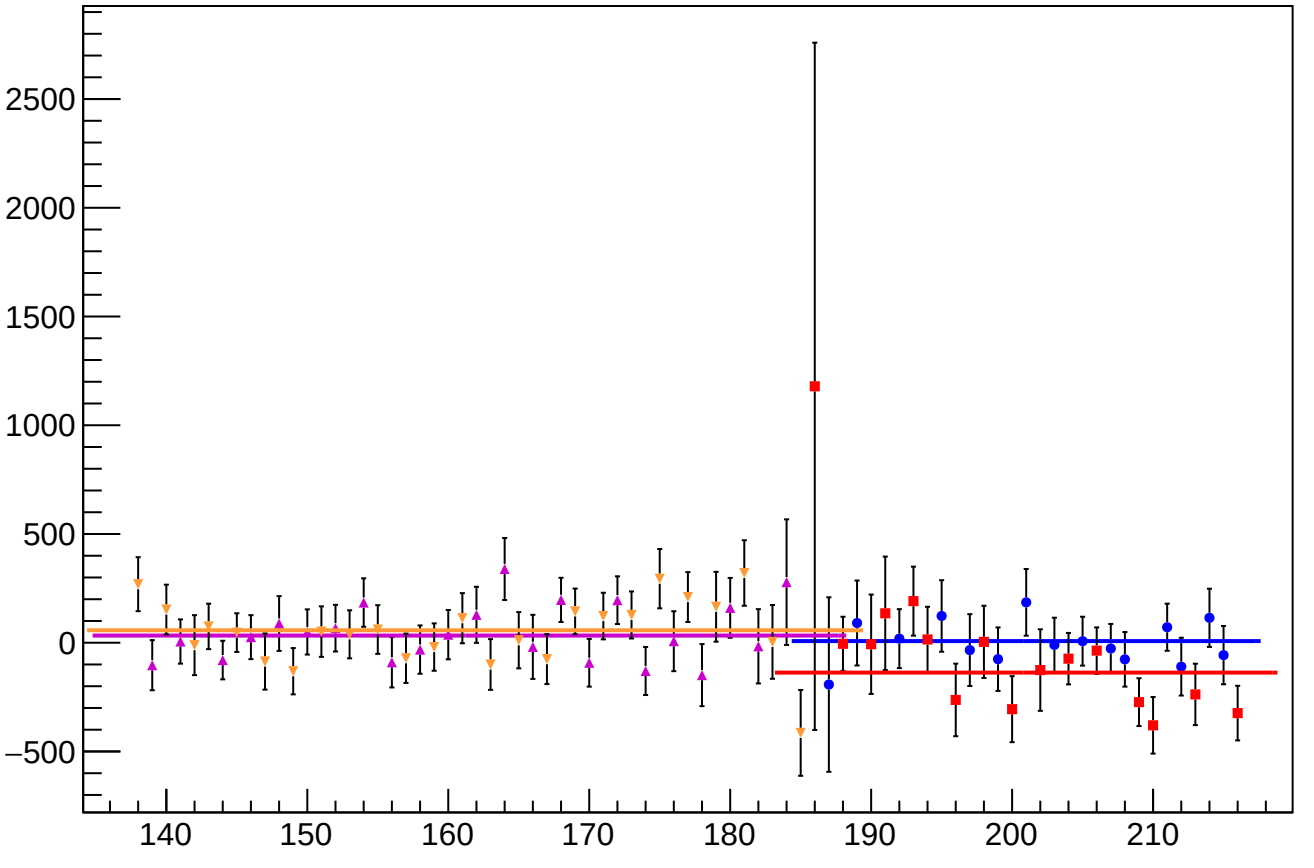
Left: 499.065+/-0.060 χ^2/NDF: 1310870.7/47

Right: 640.119+/-0.078 χ^2/NDF: 3232784.4/66

In: 552.435+/-0.068 χ^2/NDF:2829391.6/54

Out: 549.395+/-0.066 χ^2/NDF:3769793.8/59

All: 550.882+/-0.047 χ^2/NDF: 6600212.7/114



Right In: 7.525+/-35.615 χ^2/NDF: 5.2/14

Left Out: 57.211+/-23.714 χ^2/NDF:29.2/24

Right Out: -137.352+/-36.725 χ^2/NDF: 20.0/15

Left In: 32.948+/-24.587 χ^2/NDF:23.6/22

Left: 45.518+/-17.069 χ^2/NDF: 53.3/47

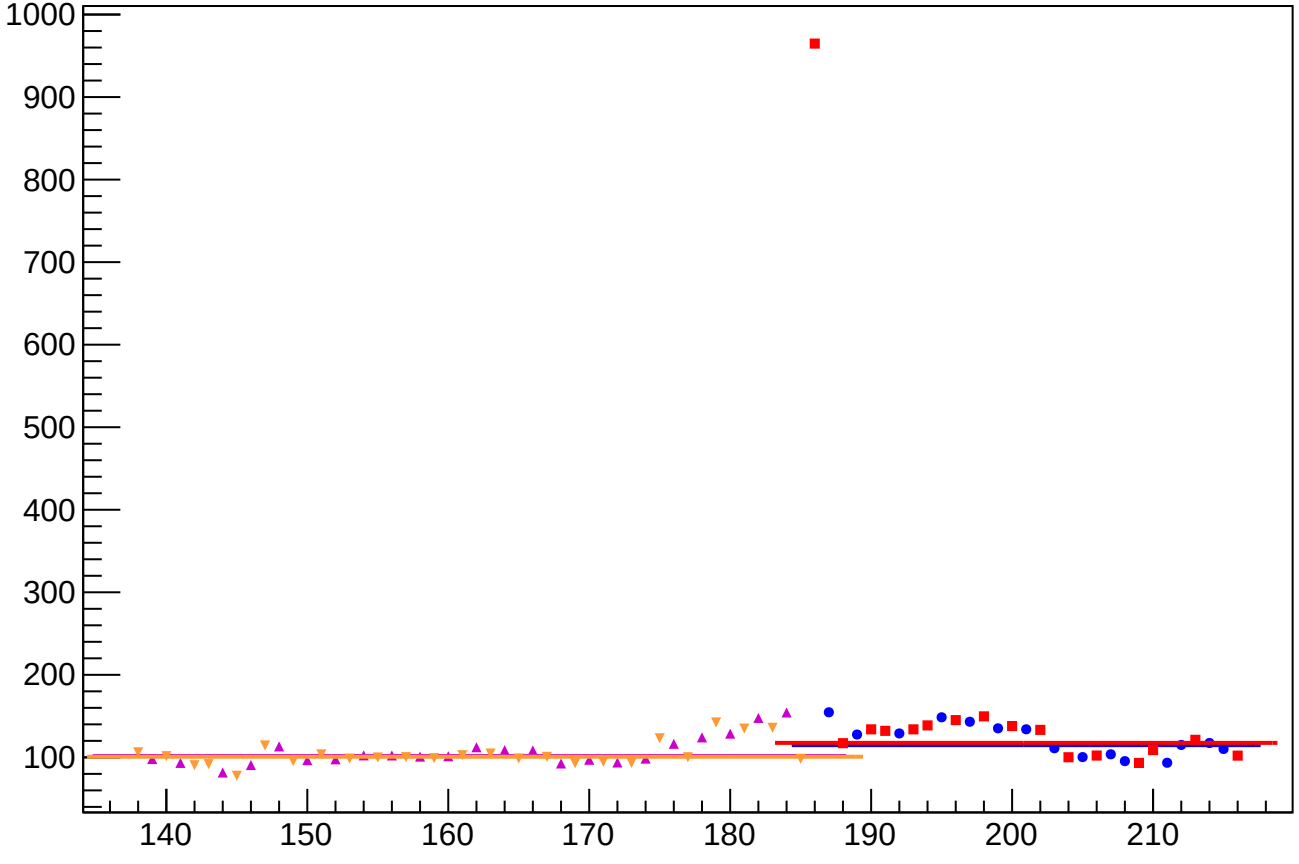
Right: -62.691+/-25.567 χ^2/NDF: 33.2/30

In: 24.742+/-20.234 χ^2/NDF:29.2/37

Out: -0.040+/-19.922 χ^2/NDF:69.0/40

All: 12.159+/-14.196 χ^2/NDF: 98.9/78

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 114.828+/-0.025 χ^2/NDF: 446386.6/14

Left Out: 100.801+/-0.017 χ^2/NDF:600502.4/24

Right Out: 117.574+/-0.026 χ^2/NDF: 1055389.7/15

Left In: 101.622+/-0.017 χ^2/NDF:582329.3/22

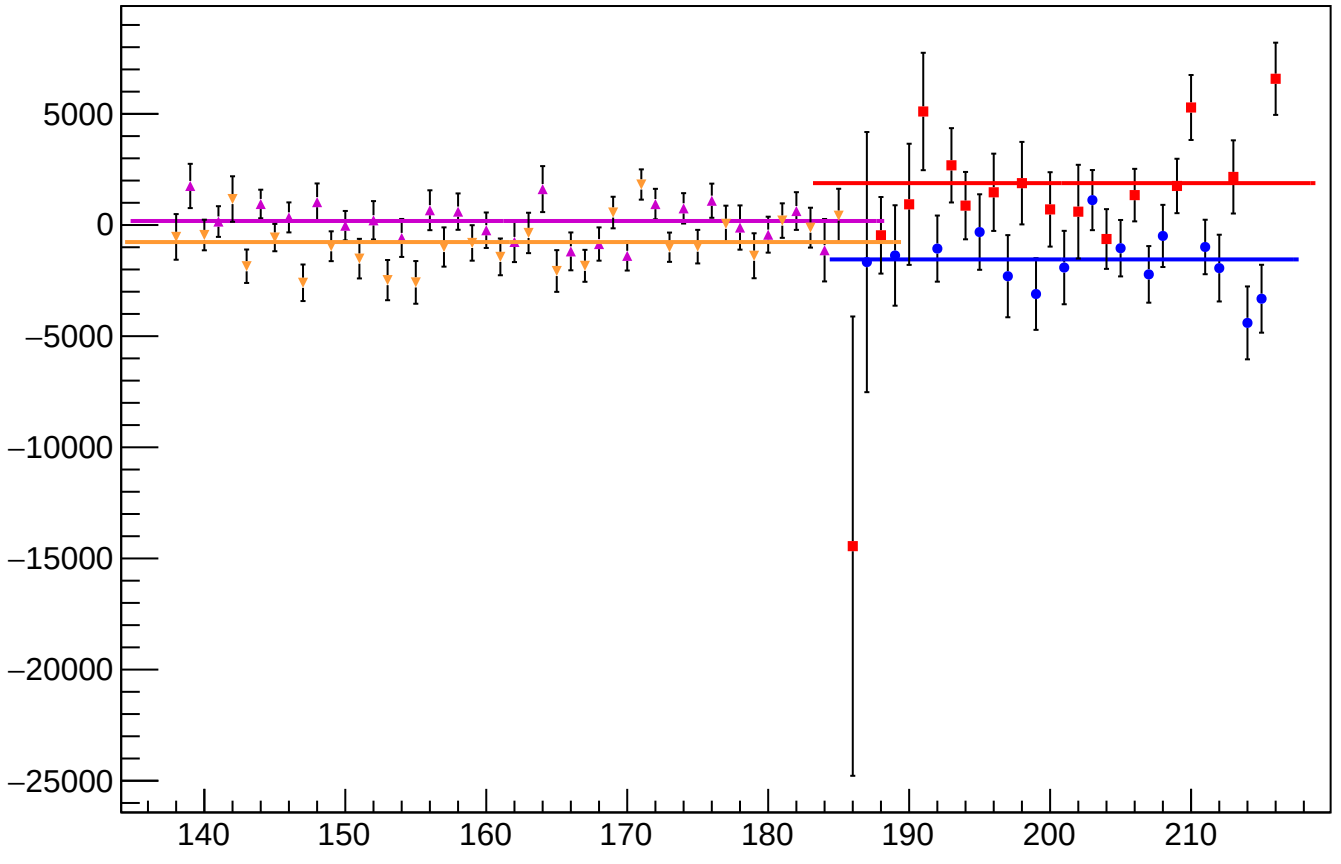
Left: 101.196+/-0.012 χ^2/NDF: 1183987.6/47

Right: 116.159+/-0.018 χ^2/NDF: 1507539.2/30

In: 105.884+/-0.014 χ^2/NDF:1214939.6/37

Out: 105.736+/-0.014 χ^2/NDF:1950323.9/40

All: 105.809+/-0.010 χ^2/NDF: 3165317.8/78



Right In: -1547.219+/-399.244 χ^2/NDF: 11.3/14

Left Out: -766.358+/-161.066 χ^2/NDF:46.5/24

Right Out: 1884.493+/-416.103 χ^2/NDF: 25.1/15

Left In: 181.584+/-165.671 χ^2/NDF:25.0/22

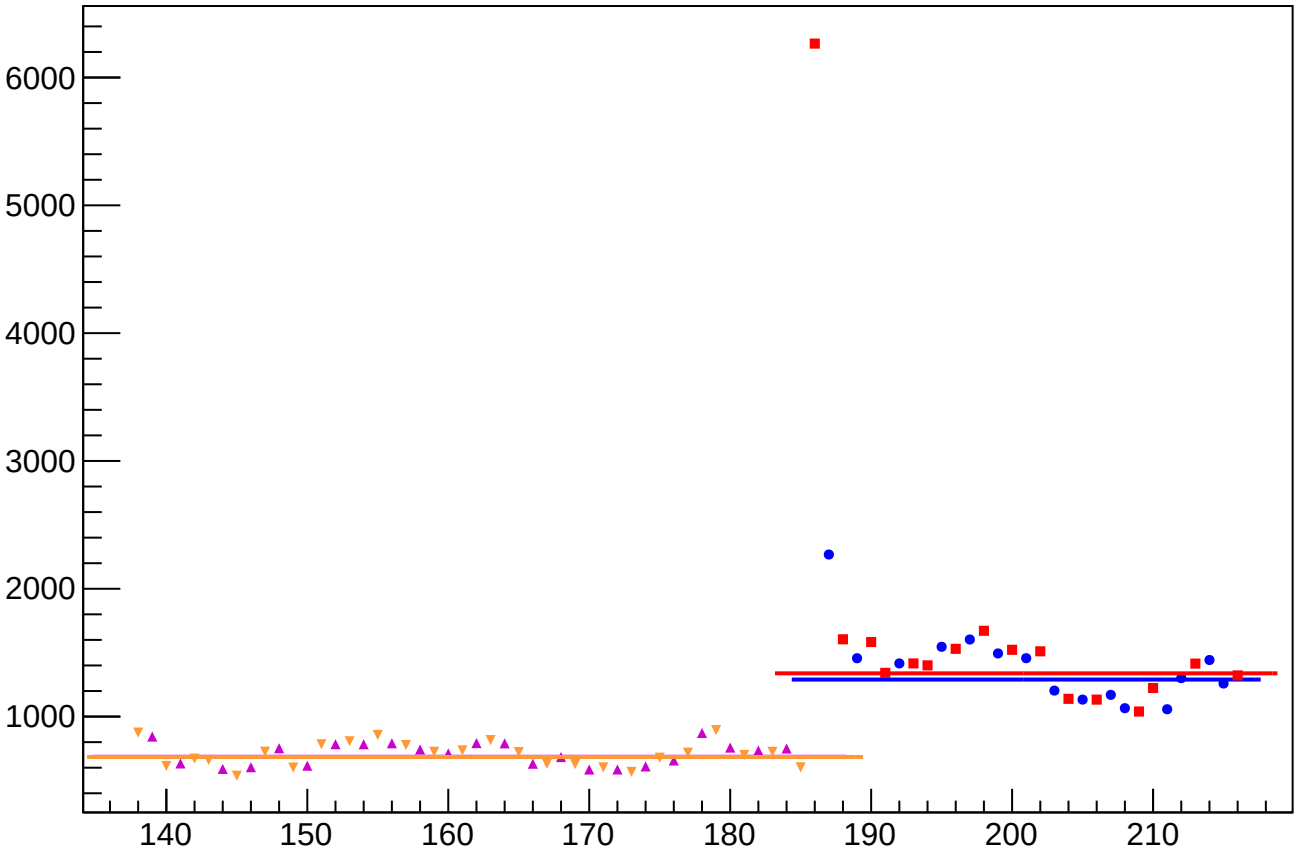
Left: -305.743+/-115.485 χ^2/NDF: 88.4/47

Right: 97.708+/-288.084 χ^2/NDF: 71.8/30

In: -72.374+/-153.019 χ^2/NDF:52.3/37

Out: -420.930+/-150.206 χ^2/NDF:106.9/40

All: -249.886+/-107.193 χ^2/NDF: 161.9/78



Right In: 1289.667+/-0.282 χ^2/NDF: 434726.2/14

Left Out: 683.884+/-0.114 χ^2/NDF:667158.2/24

Right Out: 1338.328+/-0.294 χ^2/NDF: 893419.4/15

Left In: 685.593+/-0.117 χ^2/NDF:529353.6/22

Left: 684.715+/-0.082 χ^2/NDF: 1196621.1/47

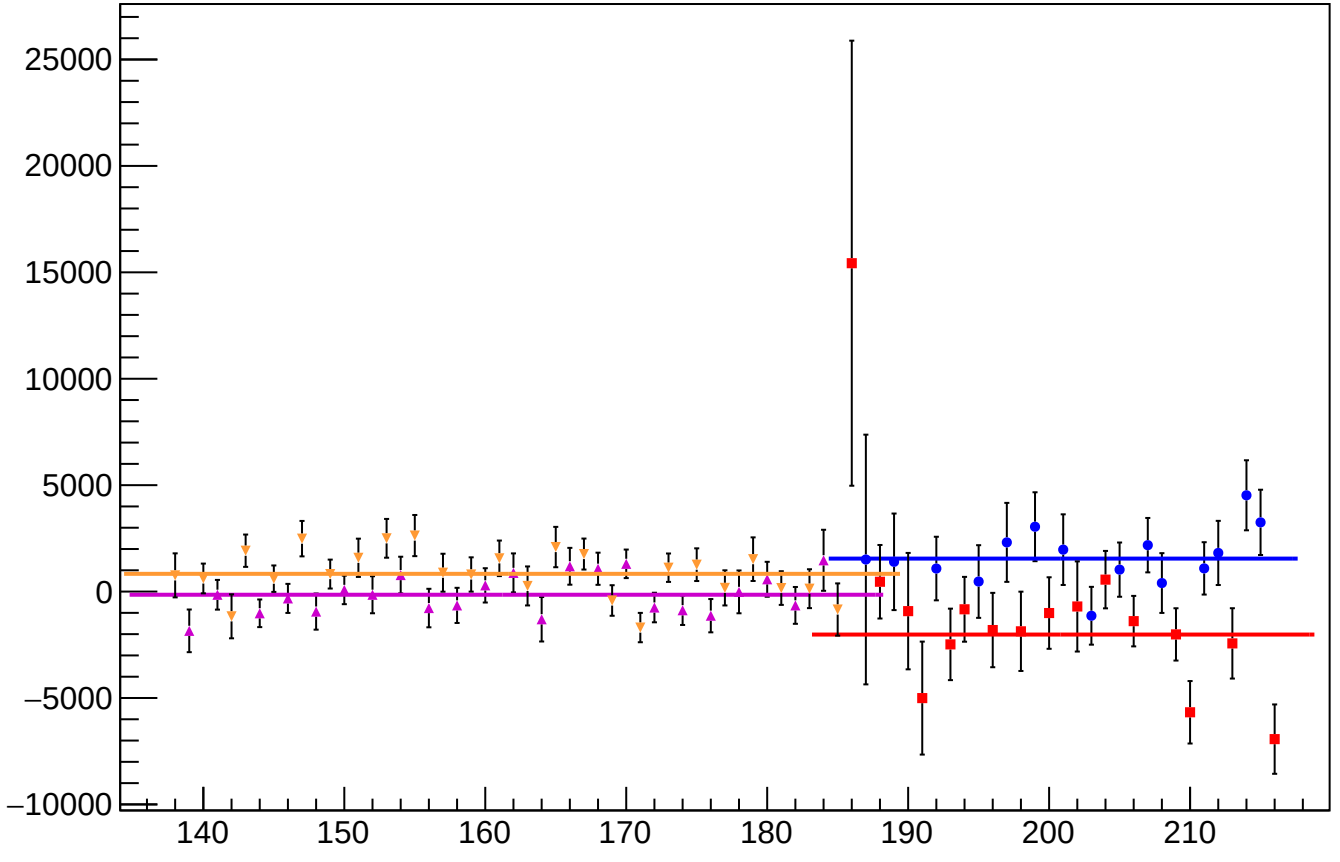
Right: 1312.992+/-0.204 χ^2/NDF: 1342386.8/30

In: 774.330+/-0.108 χ^2/NDF:4870110.2/37

Out: 769.164+/-0.106 χ^2/NDF:5863245.7/40

All: 771.699+/-0.076 χ^2/NDF: 10734516.9/78

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1549.691+/-400.887 χ^2/NDF: 11.2/14

Left Out: 833.395+/-162.965 χ^2/NDF:43.2/24

Right Out: -2019.345+/-417.825 χ^2/NDF: 27.0/15

Left In: -148.814+/-167.644 χ^2/NDF:26.0/22

Left: 356.189+/-116.853 χ^2/NDF: 86.9/47

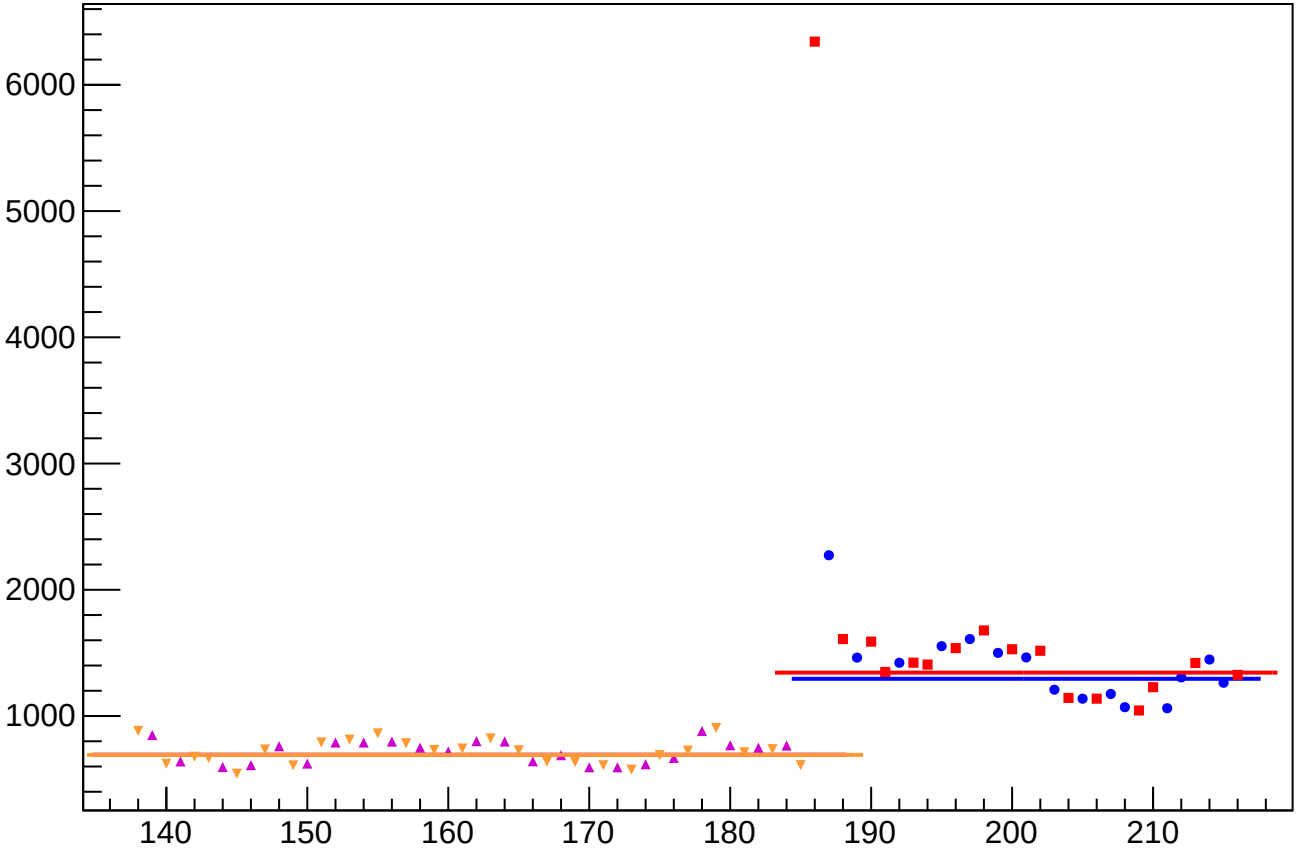
Right: -161.020+/-289.273 χ^2/NDF: 76.3/30

In: 104.003+/-154.665 χ^2/NDF:52.6/37

Out: 456.724+/-151.826 χ^2/NDF:110.7/40

All: 283.631+/-108.347 χ^2/NDF: 165.9/78

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1294.974+/-0.283 χ^2/NDF: 435197.8/14

Left Out: 692.097+/-0.115 χ^2/NDF:657259.6/24

Right Out: 1343.827+/-0.295 χ^2/NDF: 895886.8/15

Left In: 693.867+/-0.119 χ^2/NDF:522053.5/22

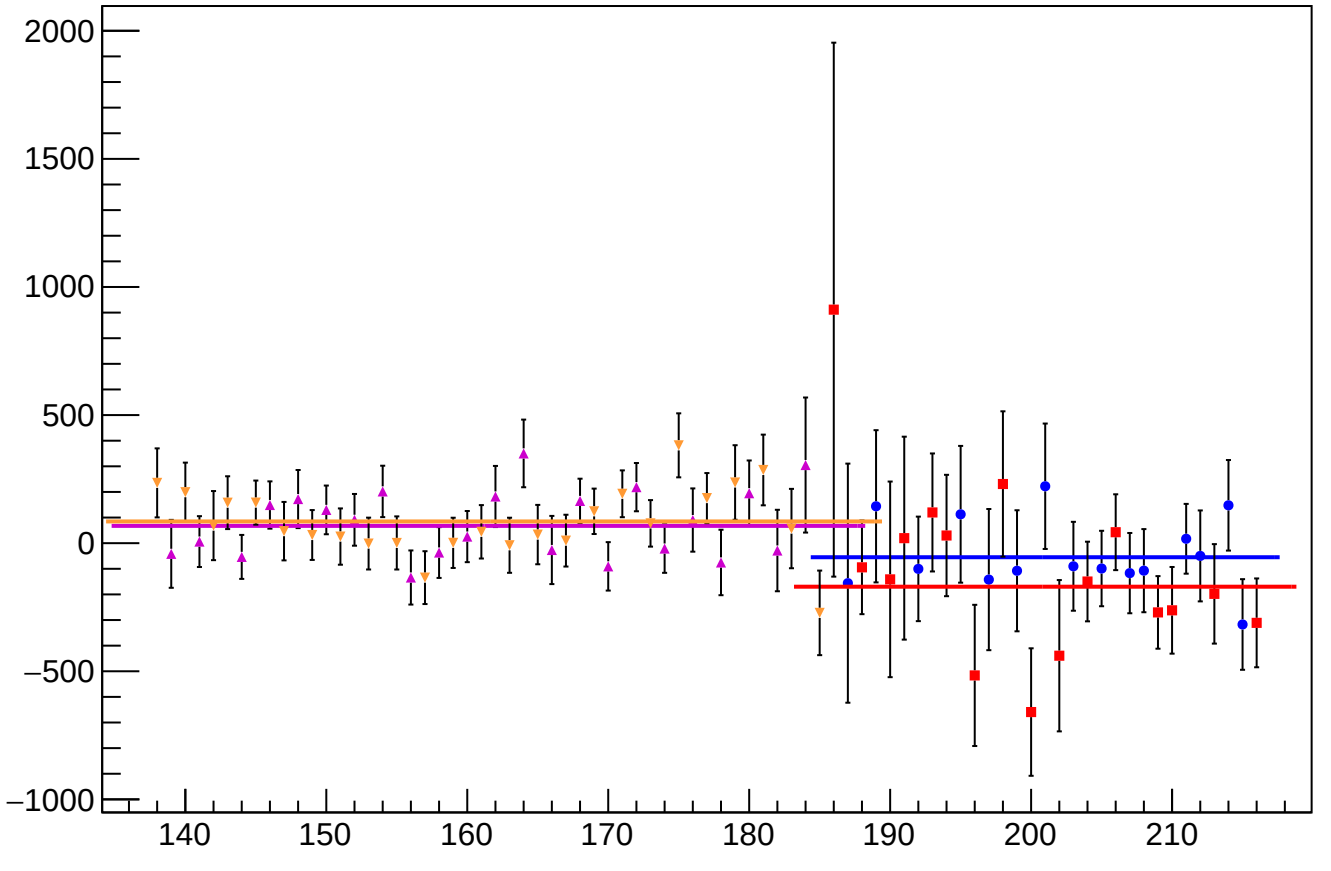
Left: 692.957+/-0.083 χ^2/NDF: 1179427.7/47

Right: 1318.390+/-0.205 χ^2/NDF: 1345320.6/30

In: 783.340+/-0.109 χ^2/NDF:4784587.7/37

Out: 778.150+/-0.107 χ^2/NDF:5776686.2/40

All: 780.697+/-0.077 χ^2/NDF: 10562420.8/78



Right In: -54.873+/-49.418 χ^2/NDF: 6.6/14

Left Out: 84.860+/-21.643 χ^2/NDF:28.5/24

Right Out: -169.888+/-52.300 χ^2/NDF: 15.6/15

Left In: 67.552+/-22.449 χ^2/NDF:28.9/22

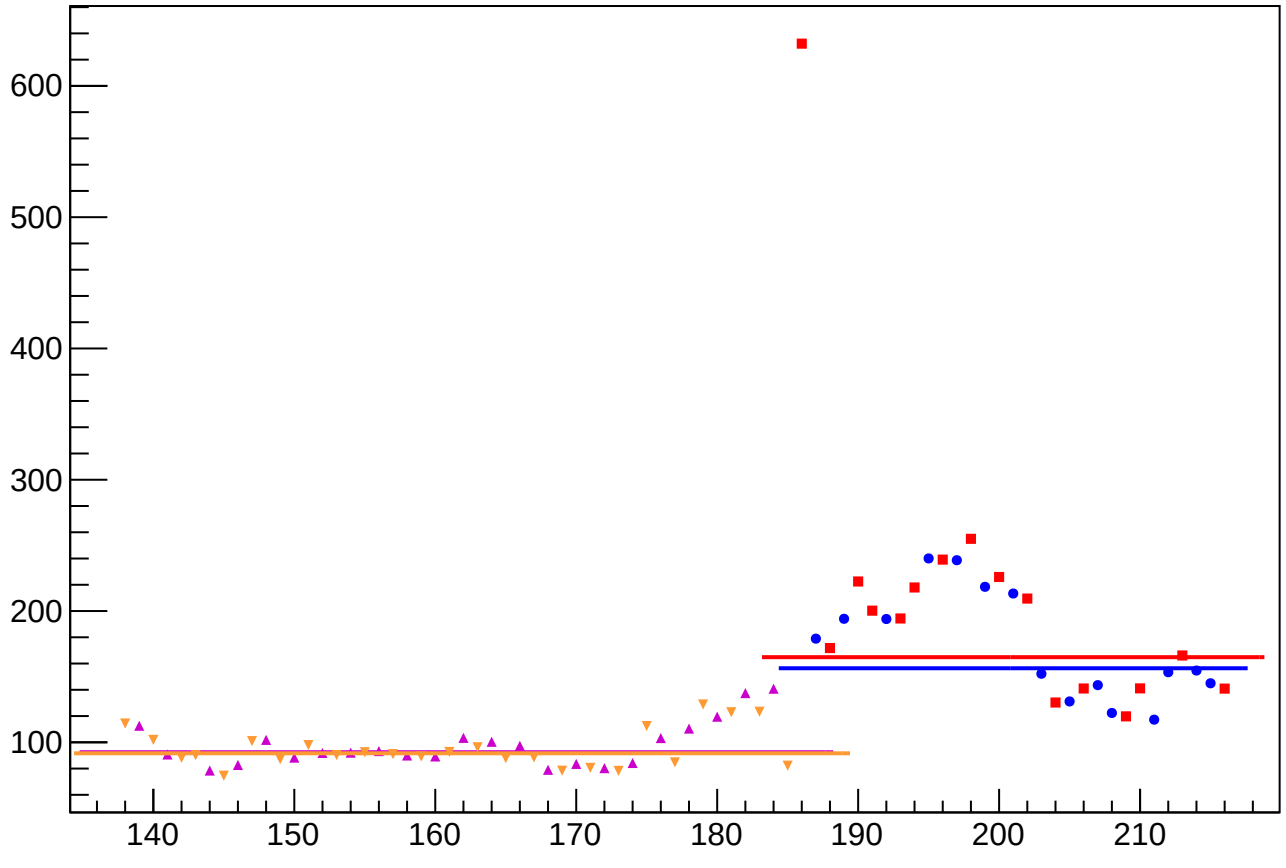
Left: 76.522+/-15.581 χ^2/NDF: 57.7/47

Right: -109.125+/-35.920 χ^2/NDF: 24.7/30

In: 46.610+/-20.439 χ^2/NDF:40.5/37

Out: 47.613+/-19.998 χ^2/NDF:64.4/40

All: 47.122+/-14.294 χ^2/NDF: 104.9/78



Right In: 156.412+/-0.035 χ^2/NDF: 1061510.7/14

Left Out: 91.633+/-0.015 χ^2/NDF:693122.0/24

Right Out: 164.852+/-0.037 χ^2/NDF: 1544741.9/15

Left In: 92.466+/-0.016 χ^2/NDF:655700.4/22

Left: 92.034+/-0.011 χ^2/NDF: 1350250.3/47

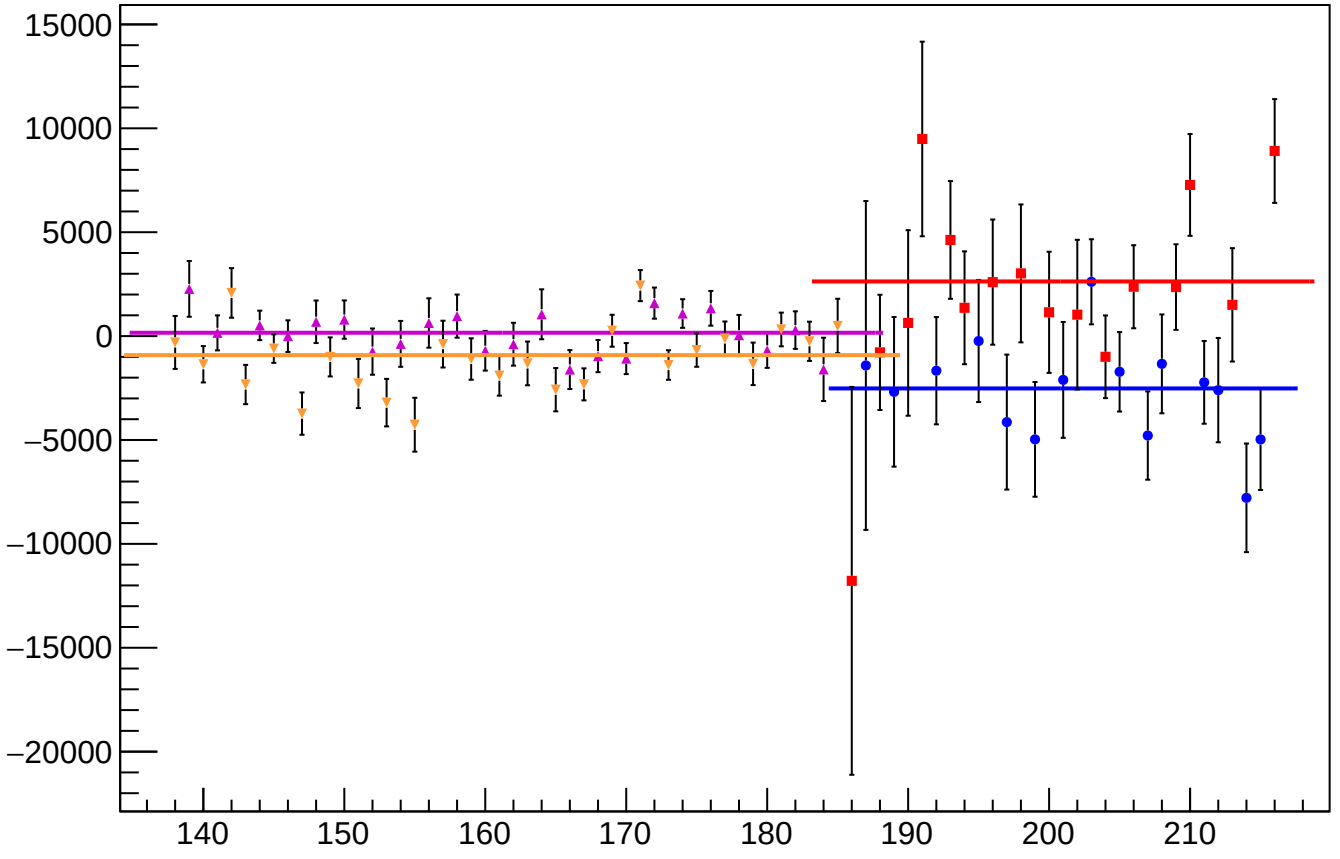
Right: 160.393+/-0.025 χ^2/NDF: 2633764.0/30

In: 103.405+/-0.014 χ^2/NDF:4493146.9/37

Out: 102.338+/-0.014 χ^2/NDF:5584608.3/40

All: 102.860+/-0.010 χ^2/NDF: 10080537.8/78

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -2519.128+/-652.373 χ^2/NDF: 14.7/14

Left Out: -914.719+/-185.341 χ^2/NDF:64.2/24

Right Out: 2630.449+/-691.182 χ^2/NDF: 20.9/15

Left In: 161.076+/-189.491 χ^2/NDF:25.1/22

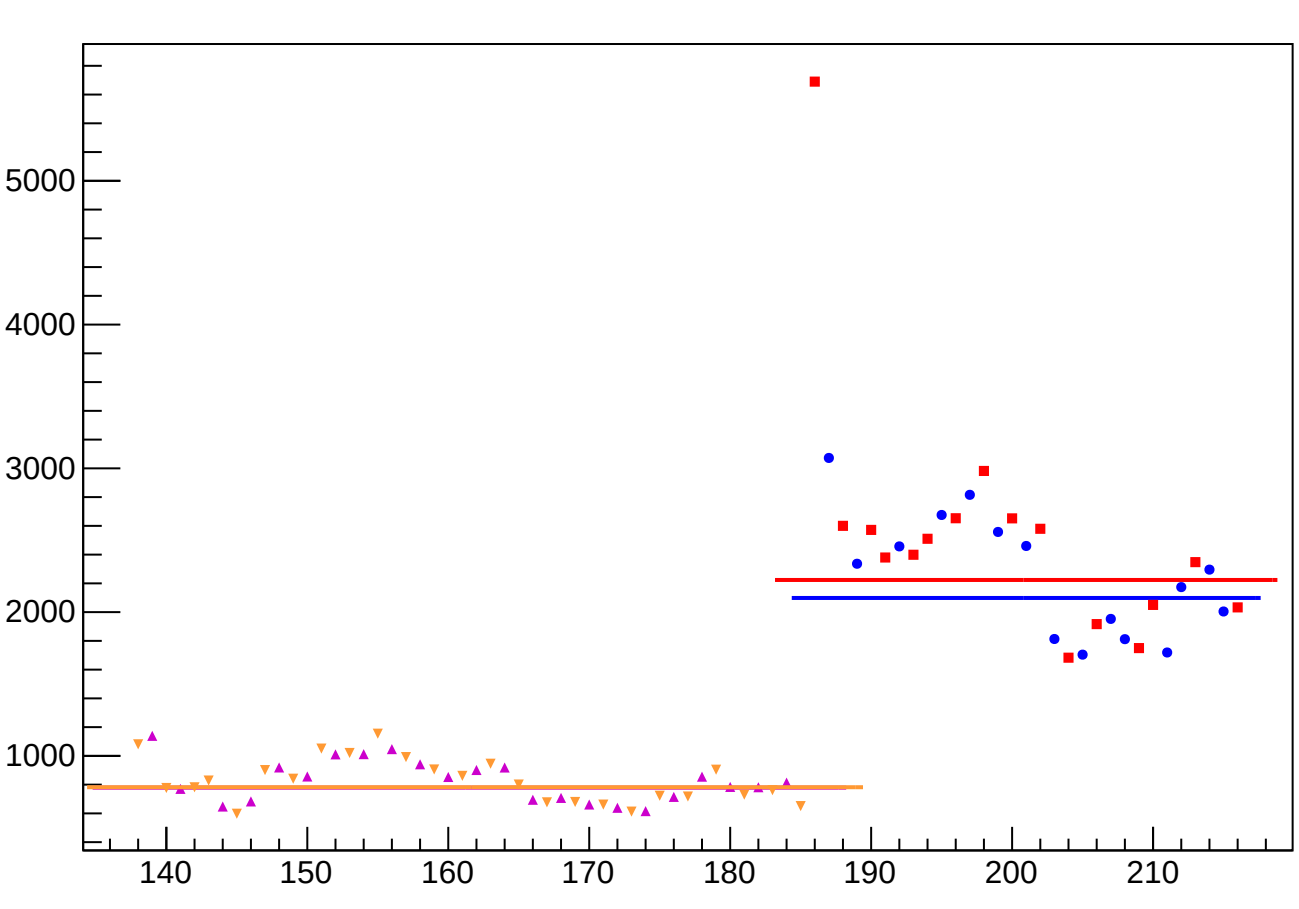
Left: -388.730+/-132.499 χ^2/NDF: 105.7/47

Right: -92.961+/-474.424 χ^2/NDF: 65.0/30

In: -47.456+/-181.970 χ^2/NDF:55.4/37

Out: -676.905+/-179.016 χ^2/NDF:109.6/40

All: -367.330+/-127.615 χ^2/NDF: 171.0/78



Right In: 2098.487+/-0.461 χ^2/NDF: 592297.2/14

Left Out: 782.042+/-0.131 χ^2/NDF:1130984.3/24

Right Out: 2223.679+/-0.489 χ^2/NDF: 891344.1/15

Left In: 778.995+/-0.134 χ^2/NDF:980243.4/22

Left: 780.552+/-0.094 χ^2/NDF: 2111492.1/47

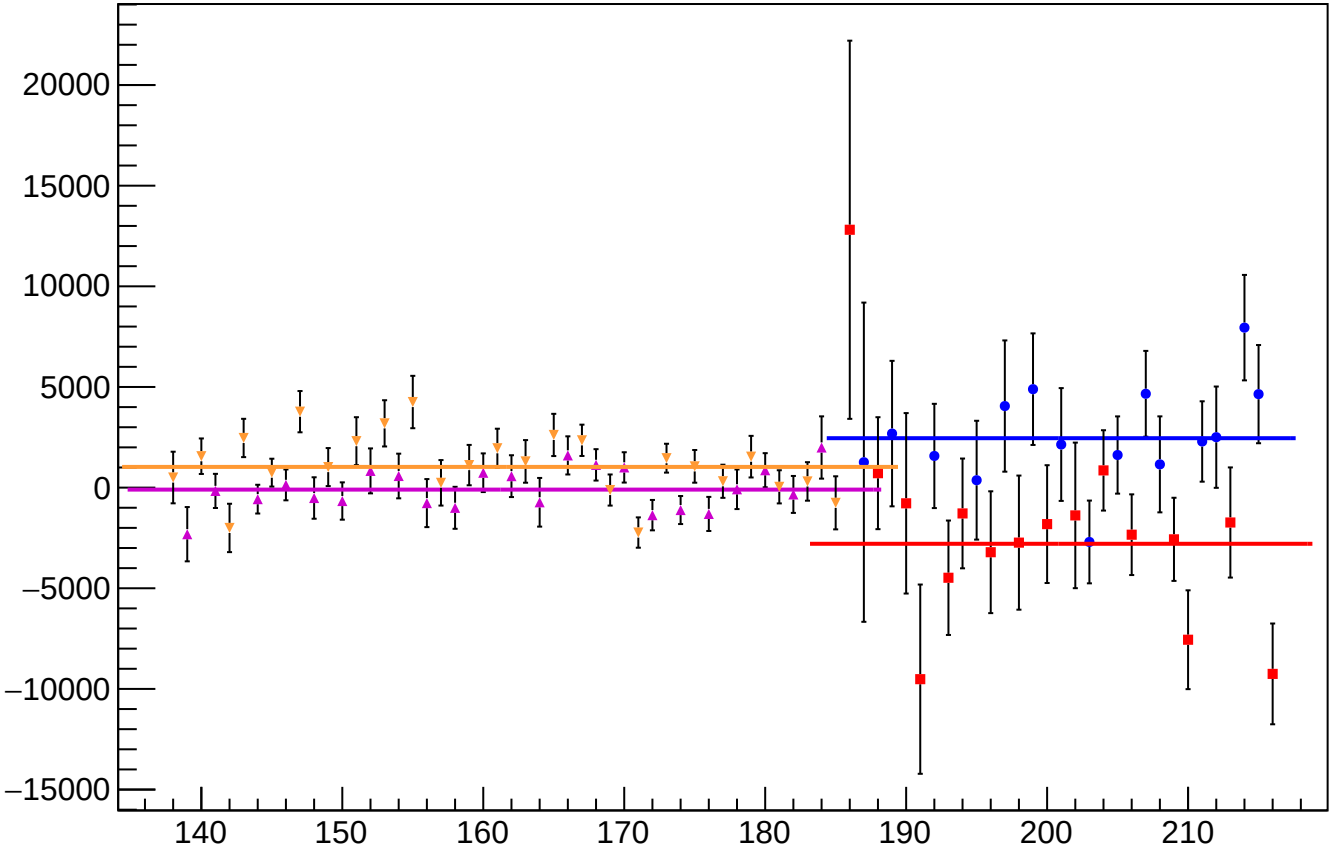
Right: 2157.470+/-0.335 χ^2/NDF: 1518341.7/30

In: 881.657+/-0.129 χ^2/NDF:9117806.3/37

Out: 878.749+/-0.127 χ^2/NDF:10139427.7/40

All: 880.179+/-0.090 χ^2/NDF: 19257493.7/78

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 2455.715+/-654.416 χ^2/NDF: 14.7/14

Left Out: 1028.864+/-186.810 χ^2/NDF:60.2/24

Right Out: -2790.223+/-693.366 χ^2/NDF: 21.5/15

Left In: -98.691+/-191.027 χ^2/NDF:25.4/22

Left: 477.669+/-133.561 χ^2/NDF: 103.3/47

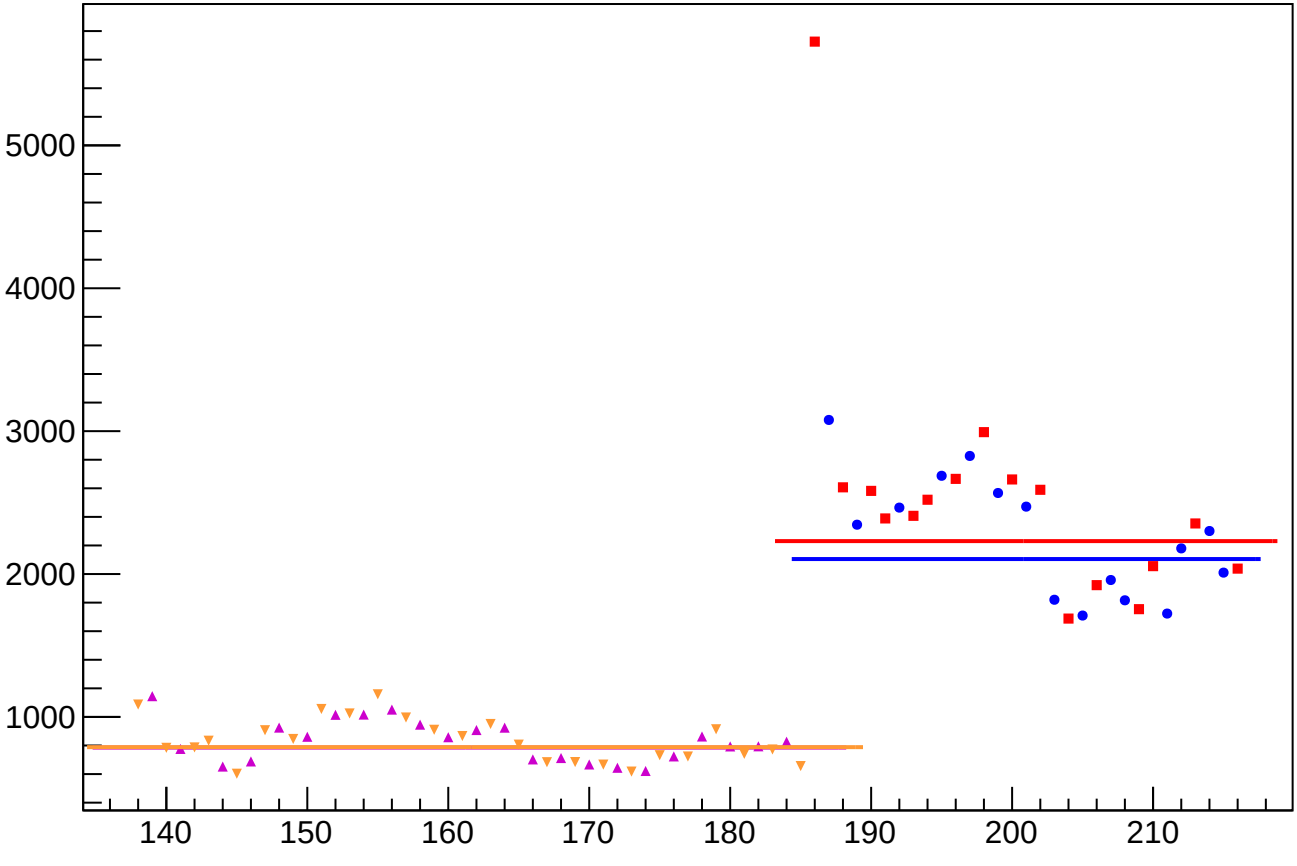
Right: -15.776+/-475.916 χ^2/NDF: 66.5/30

In: 101.875+/-183.374 χ^2/NDF:54.1/37

Out: 770.399+/-180.378 χ^2/NDF:110.0/40

All: 441.643+/-128.593 χ^2/NDF: 170.9/78

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2104.935+/-0.463 χ^2/NDF: 594712.3/14

Left Out: 788.442+/-0.132 χ^2/NDF:1113741.6/24

Right Out: 2230.503+/-0.490 χ^2/NDF: 895337.6/15

Left In: 785.490+/-0.135 χ^2/NDF:965338.9/22

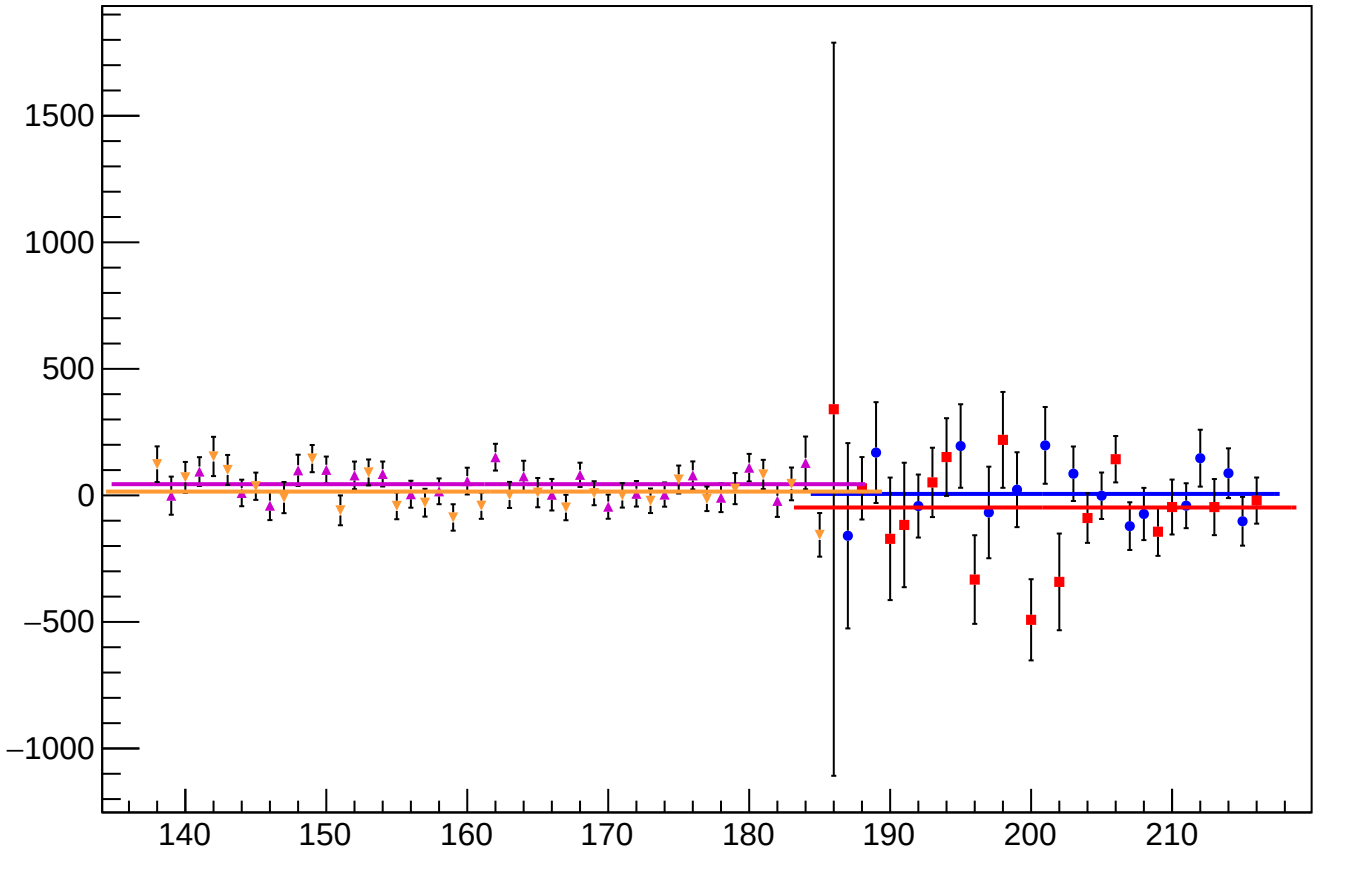
Left: 786.999+/-0.094 χ^2/NDF: 2079324.6/47

Right: 2164.093+/-0.337 χ^2/NDF: 1524740.9/30

In: 889.090+/-0.130 χ^2/NDF:9051936.6/37

Out: 886.036+/-0.128 χ^2/NDF:10074707.7/40

All: 887.538+/-0.091 χ^2/NDF: 19126926.3/78



Right In: 5.813+/-30.395 χ^2/NDF: 10.9/14

Left Out: 15.099+/-11.154 χ^2/NDF:34.2/24

Right Out: -47.816+/-32.589 χ^2/NDF: 23.3/15

Left In: 44.297+/-11.530 χ^2/NDF:22.3/22

Left: 29.215+/-8.017 χ^2/NDF: 59.8/47

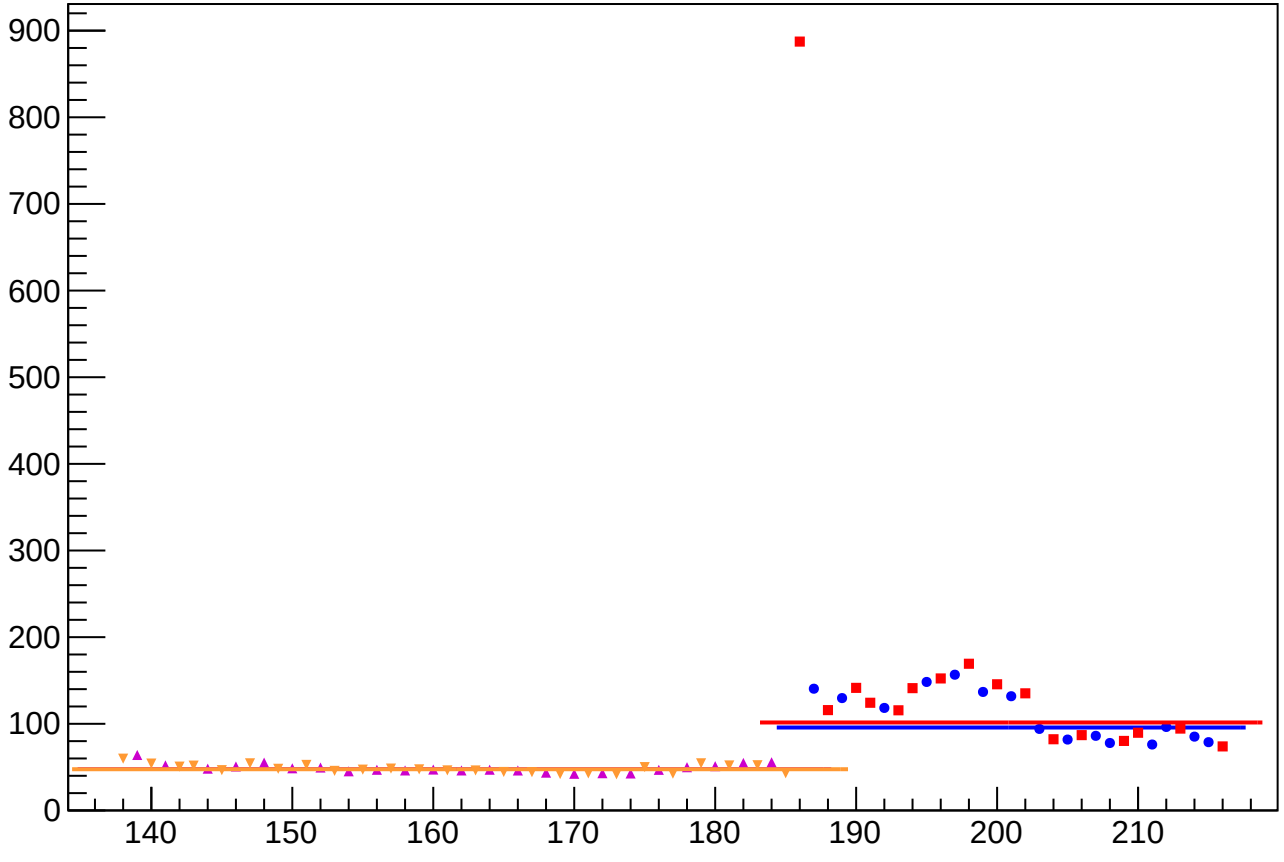
Right: -19.136+/-22.228 χ^2/NDF: 35.6/30

In: 39.456+/-10.780 χ^2/NDF:34.6/37

Out: 8.502+/-10.553 χ^2/NDF:60.8/40

All: 23.650+/-7.541 χ^2/NDF: 99.6/78

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 95.719+/-0.021 χ^2/NDF: 1161000.7/14

Left Out: 47.586+/-0.008 χ^2/NDF:312874.8/24

Right Out: 101.534+/-0.023 χ^2/NDF: 1923012.5/15

Left In: 47.846+/-0.008 χ^2/NDF:281790.1/22

Left: 47.712+/-0.006 χ^2/NDF: 595189.7/47

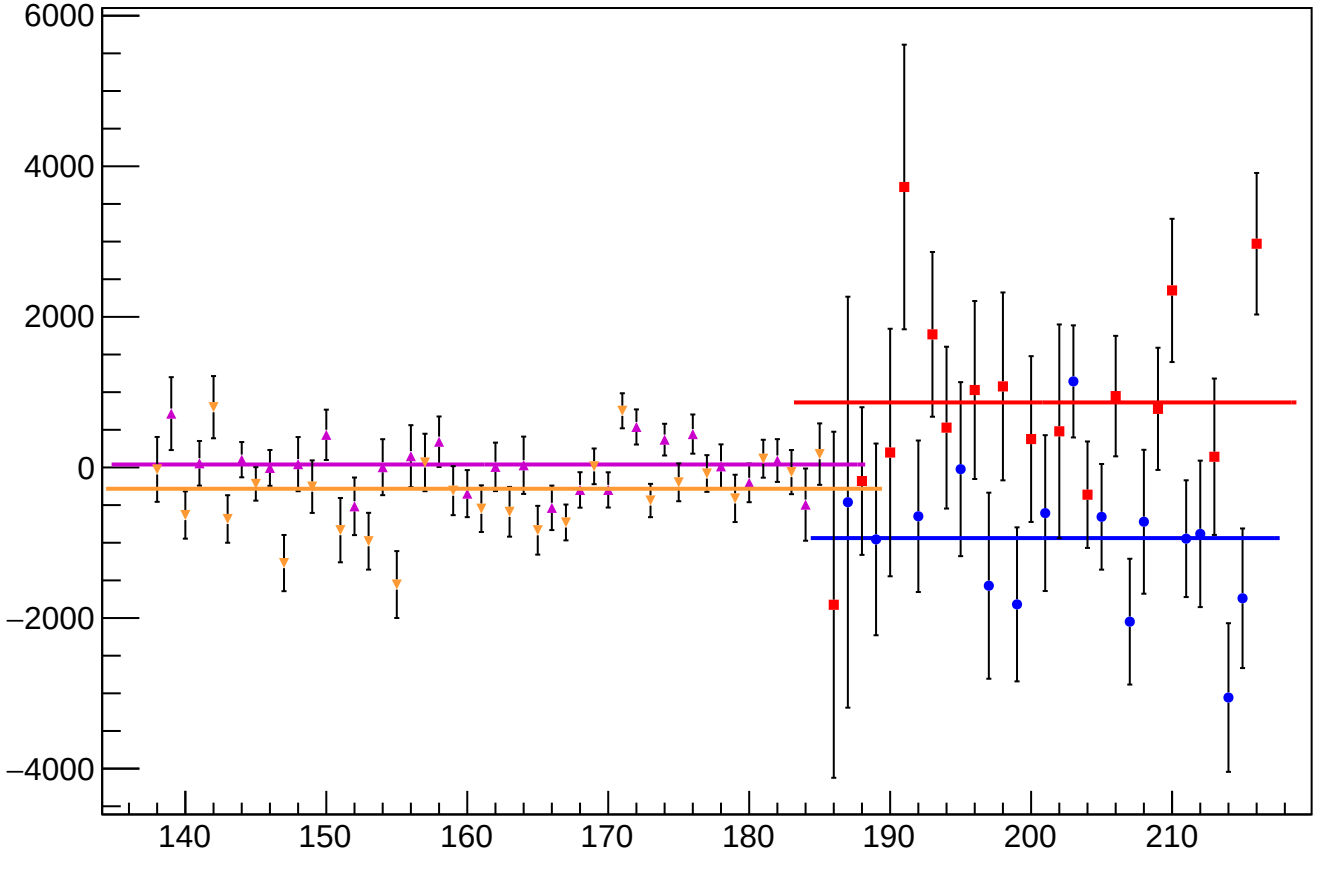
Right: 98.424+/-0.016 χ^2/NDF: 3118062.3/30

In: 53.868+/-0.008 χ^2/NDF:5780214.5/37

Out: 53.243+/-0.007 χ^2/NDF:7141787.2/40

All: 53.549+/-0.005 χ^2/NDF: 12925431.4/78

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -938.164+/-247.663 χ^2/NDF: 17.0/14

Left Out: -282.798+/-59.690 χ^2/NDF:66.5/24

Right Out: 863.607+/-262.565 χ^2/NDF: 17.0/15

Left In: 39.432+/-60.759 χ^2/NDF:27.5/22

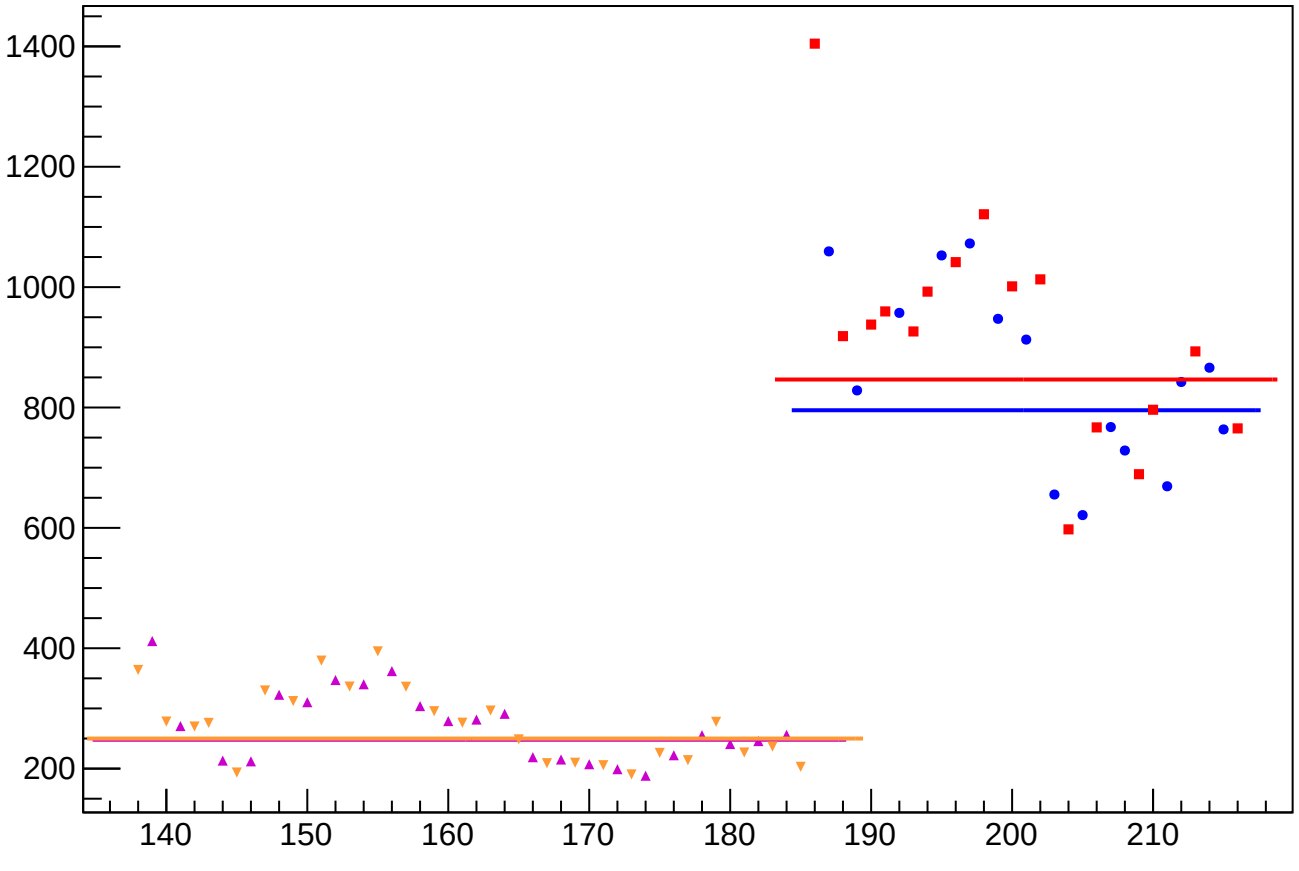
Left: -124.543+/-42.580 χ^2/NDF: 108.4/47

Right: -89.859+/-180.162 χ^2/NDF: 58.9/30

In: -16.066+/-59.009 χ^2/NDF:59.2/37

Out: -226.463+/-58.205 χ^2/NDF:101.7/40

All: -122.708+/-41.438 χ^2/NDF: 167.4/78



Right In: 795.436+/-0.175 χ^2/NDF: 617697.6/14

Left Out: 249.956+/-0.042 χ^2/NDF:1614205.9/24

Right Out: 846.510+/-0.186 χ^2/NDF: 775542.5/15

Left In: 247.917+/-0.043 χ^2/NDF:1410847.5/22

Left: 248.955+/-0.030 χ^2/NDF: 3026200.1/47

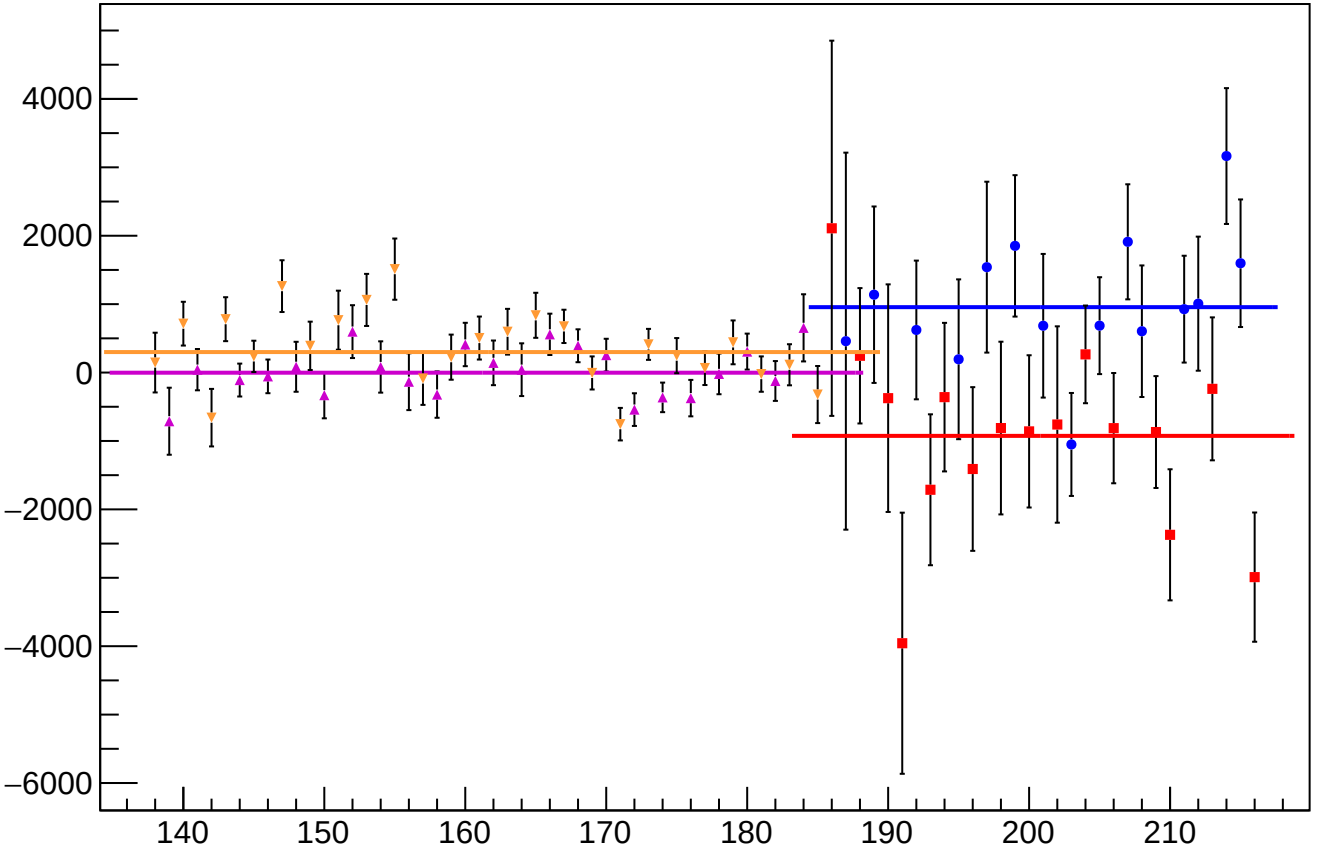
Right: 819.483+/-0.127 χ^2/NDF: 1433286.4/30

In: 278.999+/-0.042 χ^2/NDF:11248412.6/37

Out: 279.272+/-0.041 χ^2/NDF:12206552.6/40

All: 279.137+/-0.029 χ^2/NDF: 23454986.8/78

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 956.008+/-249.823 χ^2/NDF: 15.7/14

Left Out: 299.562+/-60.860 χ^2/NDF:62.5/24

Right Out: -925.500+/-265.352 χ^2/NDF: 16.5/15

Left In: -2.185+/-62.005 χ^2/NDF:29.2/22

Left: 151.501+/-43.433 χ^2/NDF: 103.7/47

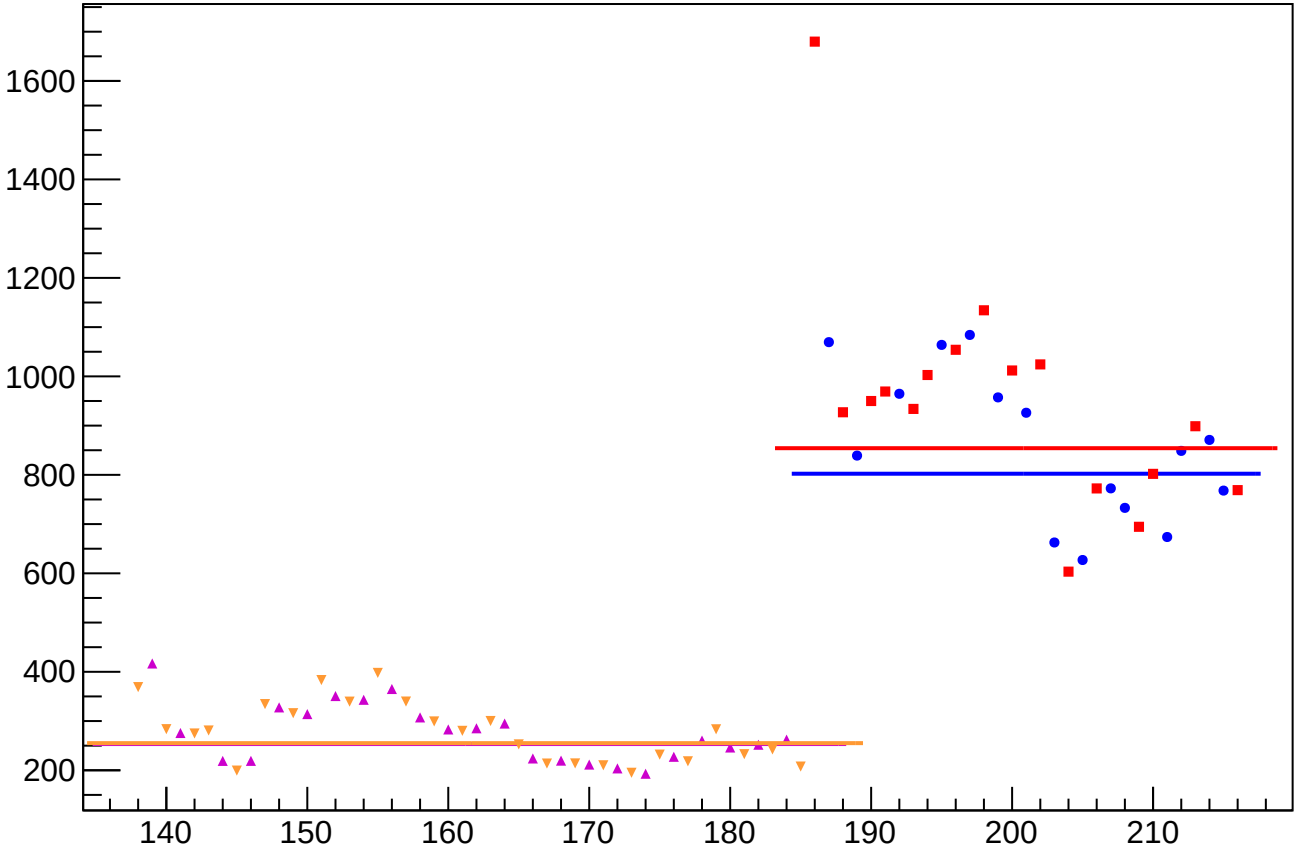
Right: 71.916+/-181.894 χ^2/NDF: 58.9/30

In: 53.415+/-60.179 χ^2/NDF:58.8/37

Out: 238.340+/-59.319 χ^2/NDF:99.2/40

All: 147.208+/-42.246 χ^2/NDF: 162.8/78

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 802.296+/-0.177 χ^2/NDF: 621816.5/14

Left Out: 255.135+/-0.043 χ^2/NDF:1542039.5/24

Right Out: 854.142+/-0.188 χ^2/NDF: 845809.1/15

Left In: 253.287+/-0.044 χ^2/NDF:1341662.3/22

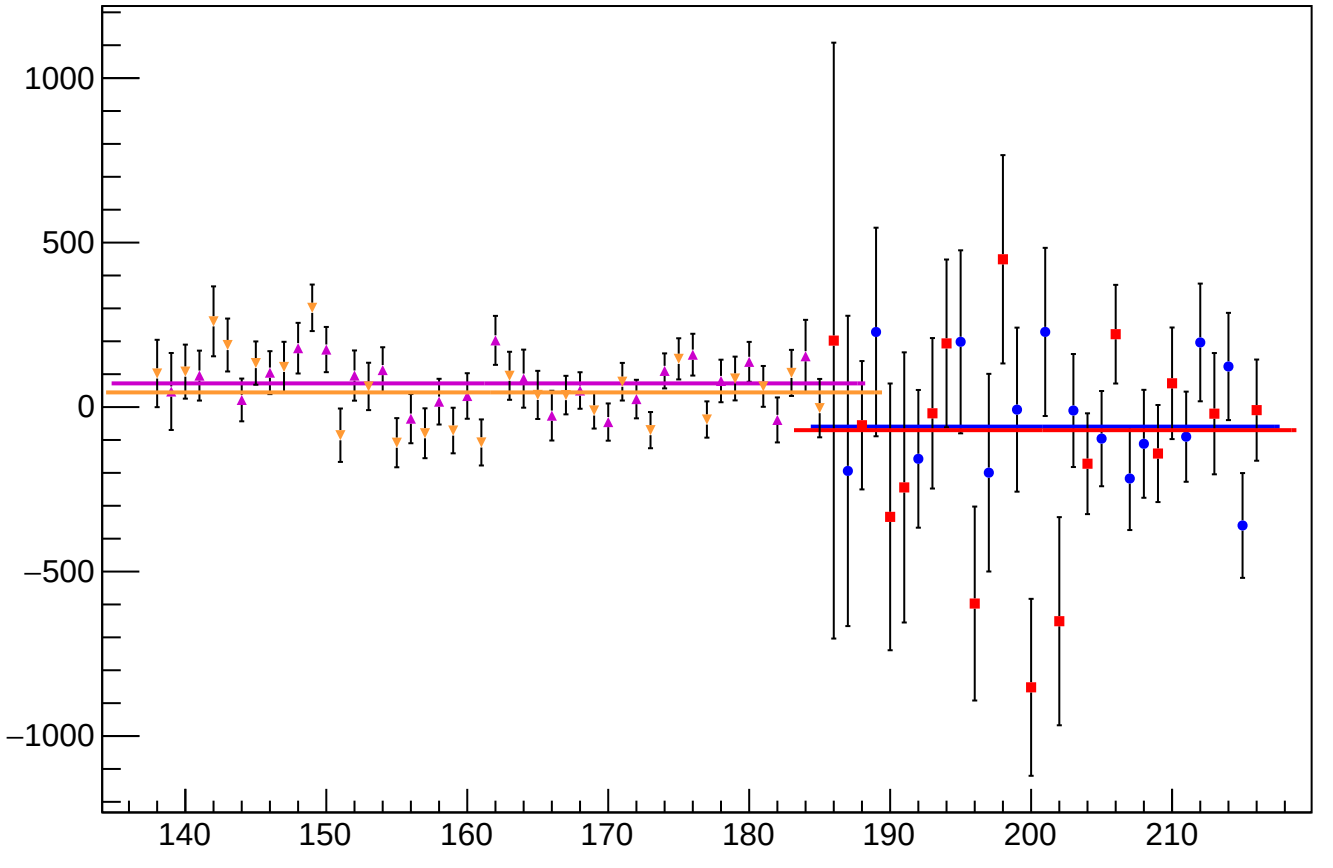
Left: 254.229+/-0.031 χ^2/NDF: 2884606.5/47

Right: 826.658+/-0.129 χ^2/NDF: 1508101.6/30

In: 285.144+/-0.043 χ^2/NDF:11061818.6/37

Out: 285.071+/-0.042 χ^2/NDF:12070290.3/40

All: 285.107+/-0.030 χ^2/NDF: 23132110.4/78



Right In: -59.428+/-49.162 χ^2/NDF: 11.7/14

Left Out: 44.602+/-13.824 χ^2/NDF:53.9/24

Right Out: -70.179+/-52.795 χ^2/NDF: 24.9/15

Left In: 72.037+/-14.296 χ^2/NDF:25.3/22

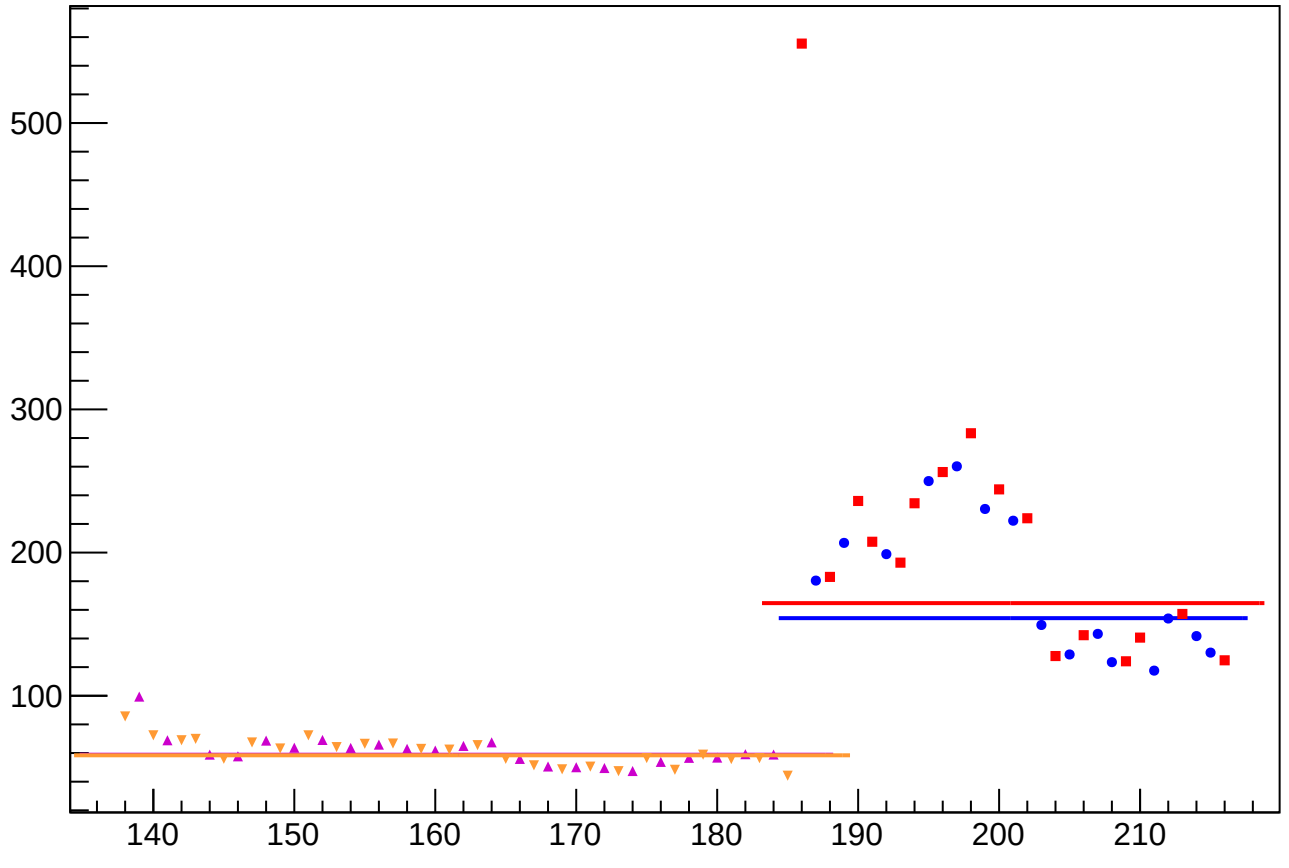
Left: 57.859+/-9.938 χ^2/NDF: 81.1/47

Right: -64.421+/-35.979 χ^2/NDF: 36.6/30

In: 61.787+/-13.728 χ^2/NDF:43.6/37

Out: 37.237+/-13.373 χ^2/NDF:83.3/40

All: 49.191+/-9.579 χ^2/NDF: 128.5/78



Right In: 154.209+/-0.035 χ^2/NDF: 1310762.9/14

Left Out: 58.423+/-0.010 χ^2/NDF:790091.3/24

Right Out: 164.705+/-0.037 χ^2/NDF: 1863275.2/15

Left In: 58.840+/-0.010 χ^2/NDF:679925.7/22

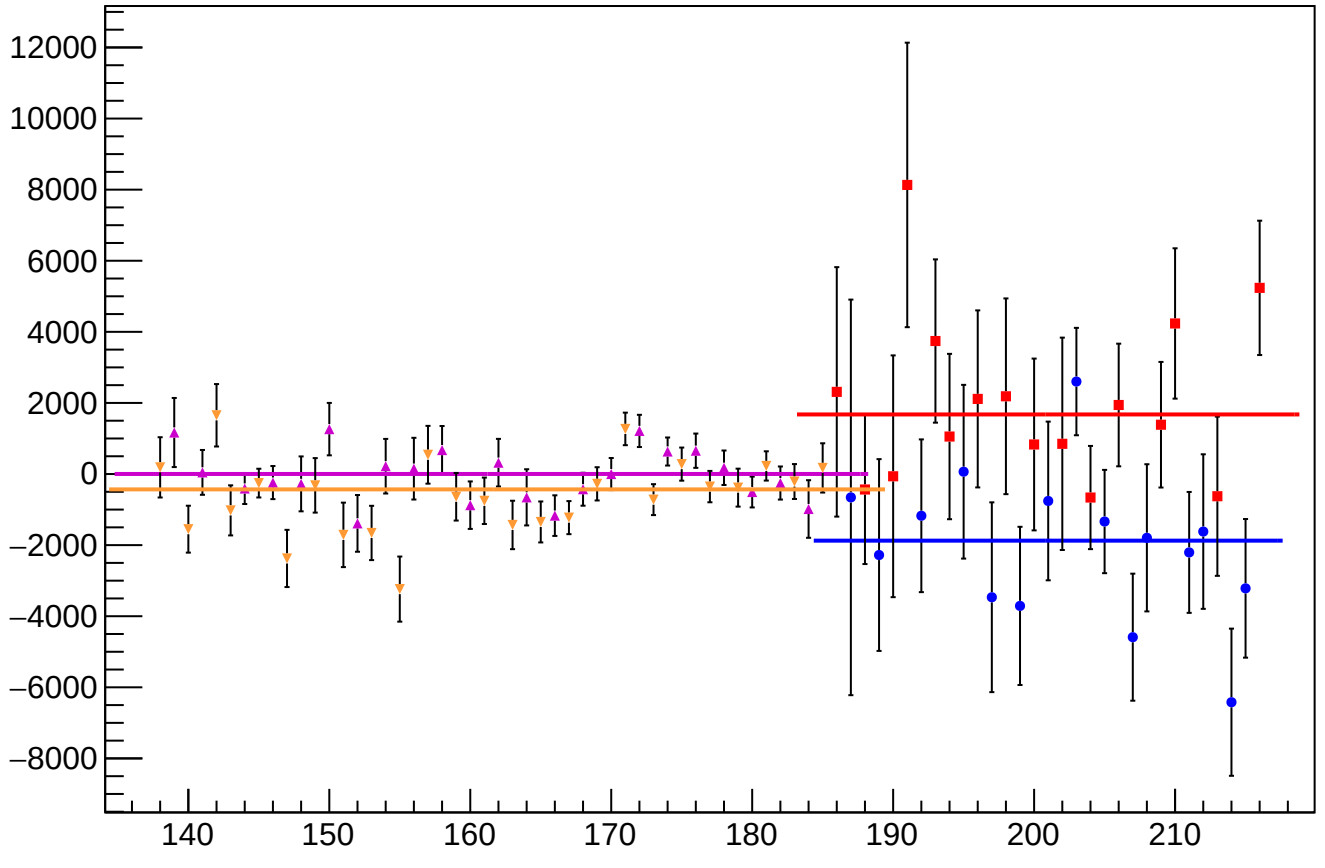
Left: 58.624+/-0.007 χ^2/NDF: 1470896.0/47

Right: 159.084+/-0.025 χ^2/NDF: 3216376.2/30

In: 66.276+/-0.010 χ^2/NDF:8930150.3/37

Out: 65.242+/-0.009 χ^2/NDF:10238632.9/40

All: 65.746+/-0.007 χ^2/NDF: 19174596.4/78



Right In: -1874.155+/-526.387 χ^2/NDF: 18.7/14

Left Out: -432.330+/-114.408 χ^2/NDF:59.4/24

Right Out: 1676.304+/-555.356 χ^2/NDF: 13.8/15

Left In: 1.825+/-116.459 χ^2/NDF:32.3/22

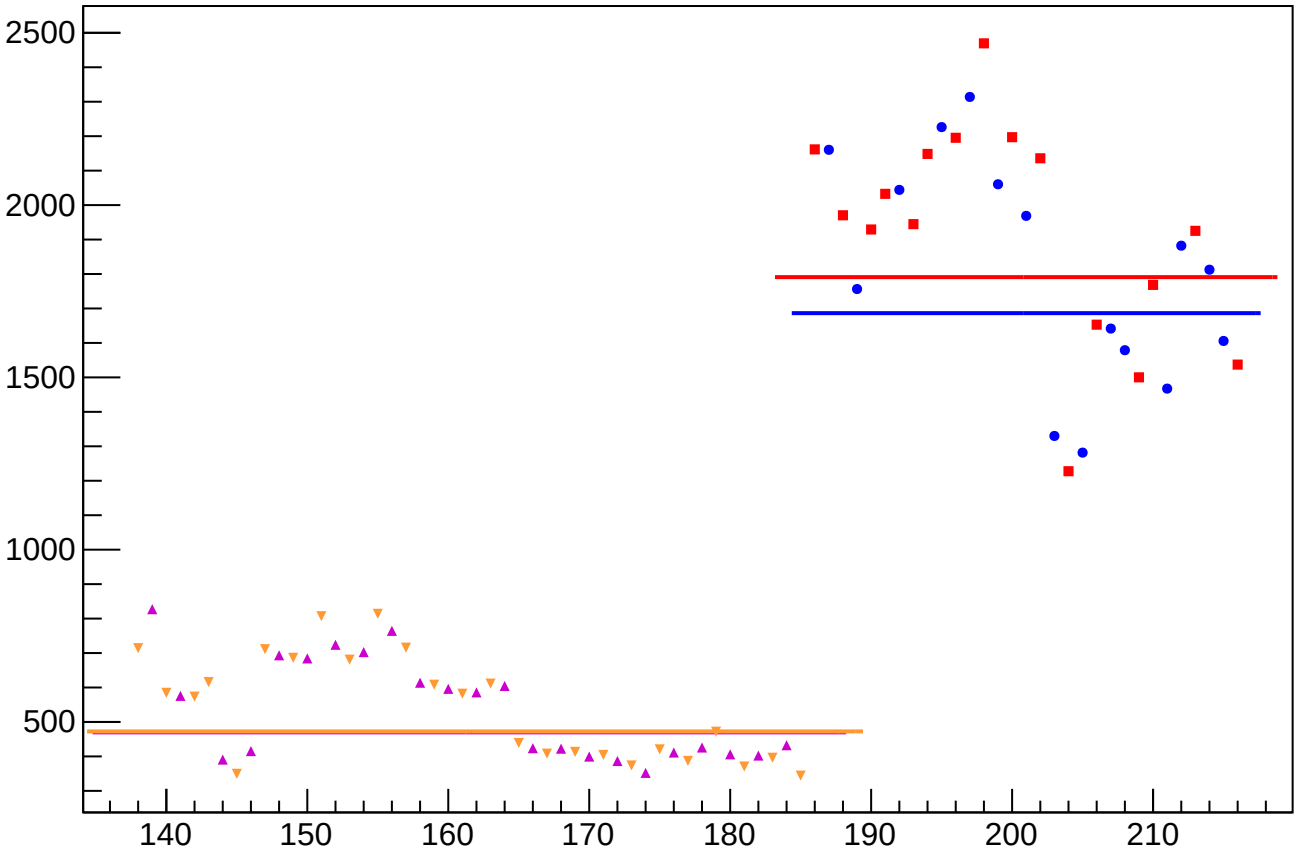
Left: -219.109+/-81.614 χ^2/NDF: 98.8/47

Right: -193.935+/-382.043 χ^2/NDF: 54.0/30

In: -85.715+/-113.709 χ^2/NDF:63.1/37

Out: -346.484+/-112.055 χ^2/NDF:87.0/40

All: -218.010+/-79.813 χ^2/NDF: 152.7/78



Right In: 1686.421+/-0.372 χ^2/NDF: 701351.2/14

Left Out: 472.569+/-0.081 χ^2/NDF:2508168.9/24

Right Out: 1790.945+/-0.393 χ^2/NDF: 772787.1/15

Left In: 469.761+/-0.082 χ^2/NDF:2116885.7/22

Left: 471.190+/-0.058 χ^2/NDF: 4625646.2/47

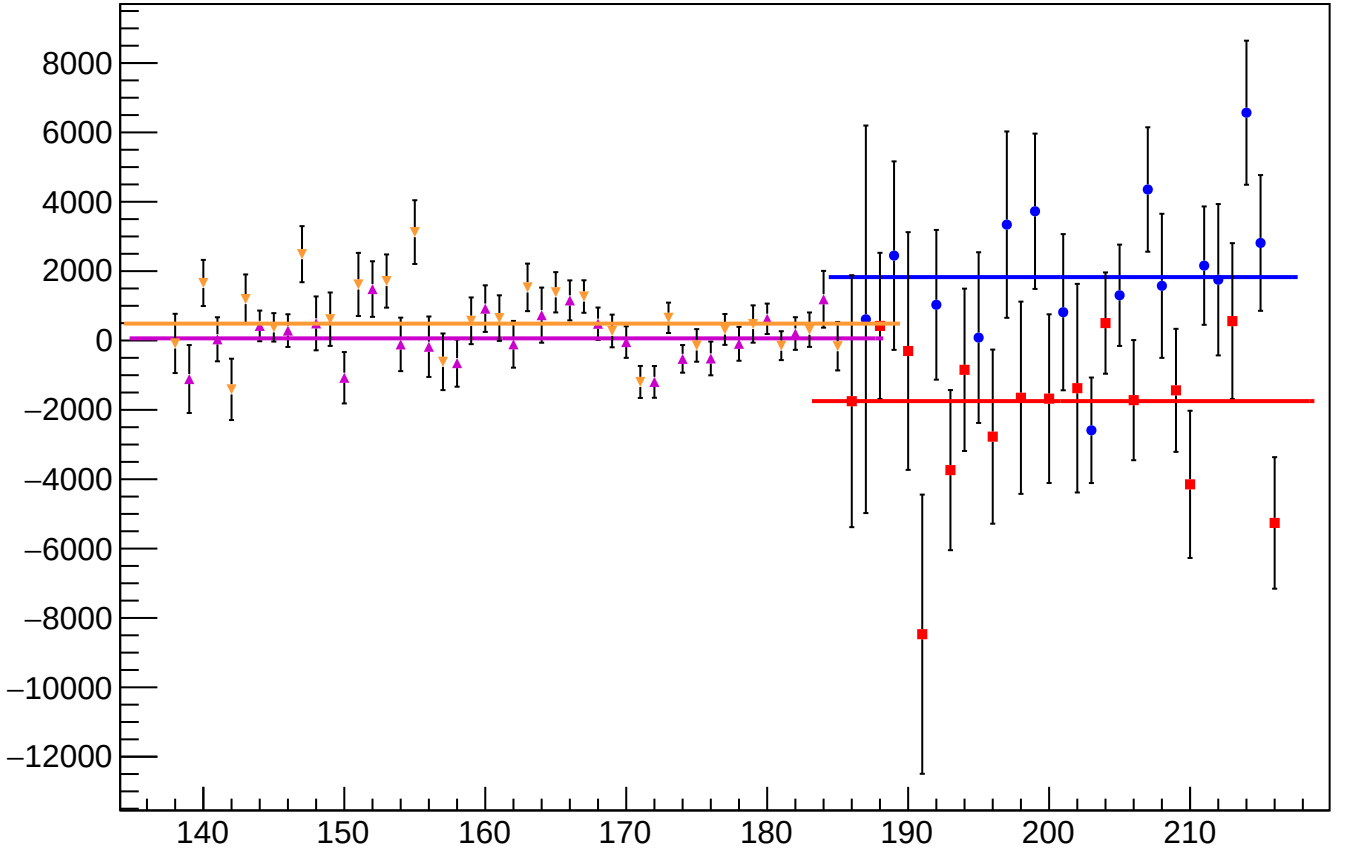
Right: 1735.886+/-0.270 χ^2/NDF: 1511457.4/30

In: 526.535+/-0.080 χ^2/NDF:13004234.4/37

Out: 526.242+/-0.079 χ^2/NDF:14093195.1/40

All: 526.387+/-0.056 χ^2/NDF: 27097436.2/78

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1828.033+/-529.091 χ^2/NDF: 18.0/14

Left Out: 486.645+/-115.346 χ^2/NDF:56.0/24

Right Out: -1747.471+/-558.592 χ^2/NDF: 13.3/15

Left In: 61.775+/-117.449 χ^2/NDF:31.2/22

Left: 278.047+/-82.295 χ^2/NDF: 93.8/47

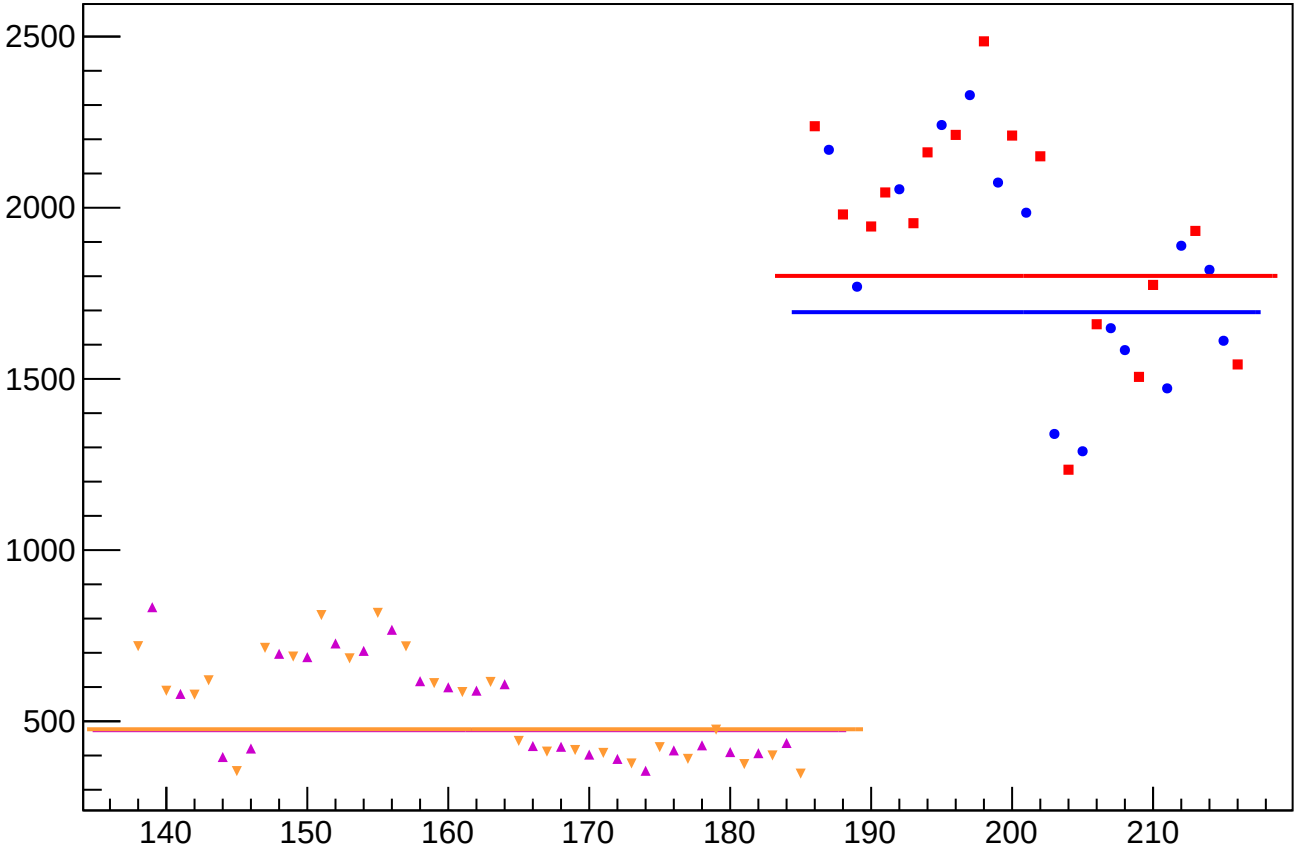
Right: 137.190+/-384.130 χ^2/NDF: 52.9/30

In: 144.722+/-114.658 χ^2/NDF:59.8/37

Out: 395.279+/-112.963 χ^2/NDF:84.6/40

All: 271.866+/-80.469 χ^2/NDF: 146.9/78

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1694.997+/-0.374 χ^2/NDF: 703421.5/14

Left Out: 476.690+/-0.082 χ^2/NDF:2472737.6/24

Right Out: 1800.927+/-0.395 χ^2/NDF: 784234.9/15

Left In: 473.983+/-0.083 χ^2/NDF:2087113.7/22

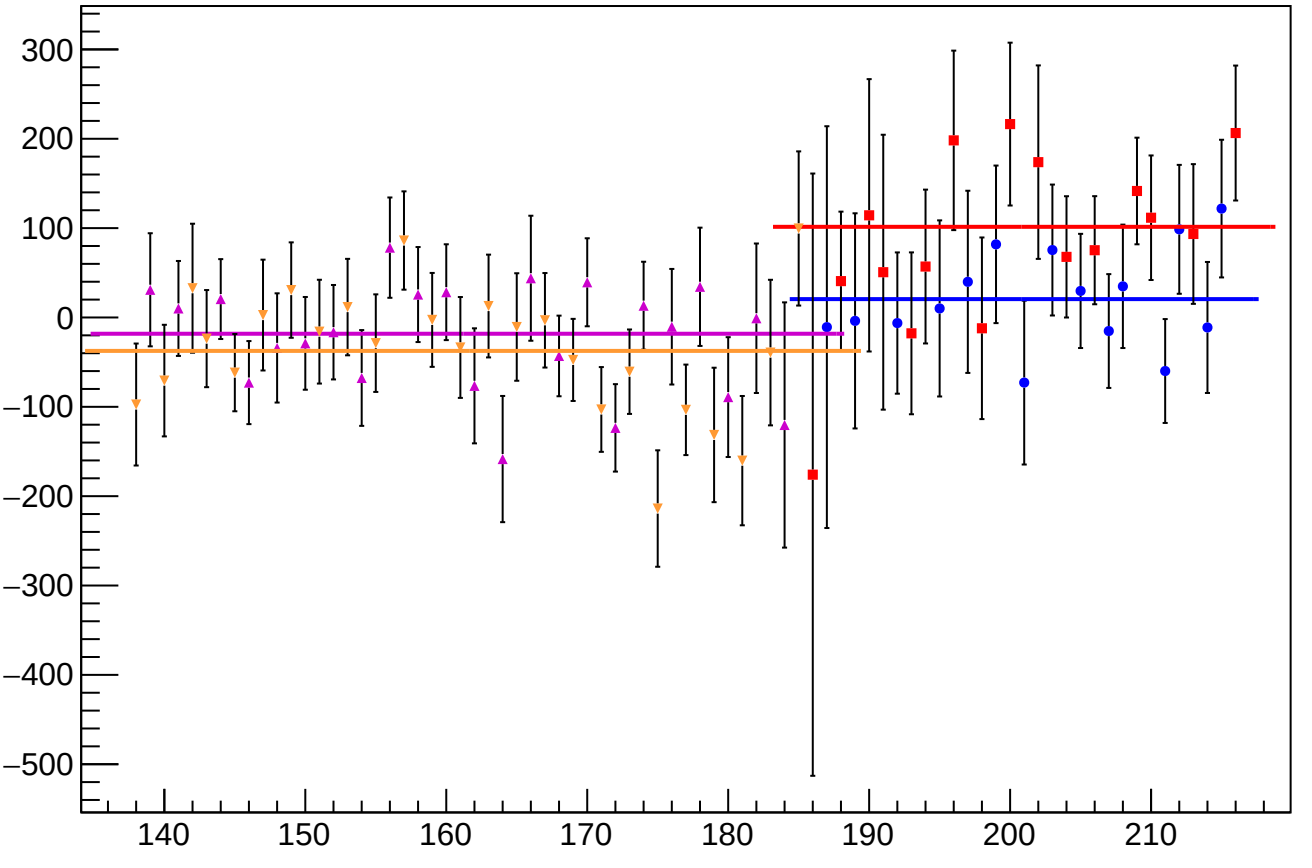
Left: 475.361+/-0.058 χ^2/NDF: 4560392.0/47

Right: 1745.091+/-0.272 χ^2/NDF: 1525567.9/30

In: 531.325+/-0.081 χ^2/NDF:12941829.3/37

Out: 530.846+/-0.080 χ^2/NDF:14037431.8/40

All: 531.082+/-0.057 χ^2/NDF: 26979278.8/78



Right In: 20.549+/-20.304 χ^2/NDF: 7.7/14

Left Out: -37.413+/-11.390 χ^2/NDF:30.5/24

Right Out: 101.457+/-21.157 χ^2/NDF: 10.5/15

Left In: -18.210+/-11.788 χ^2/NDF:23.0/22

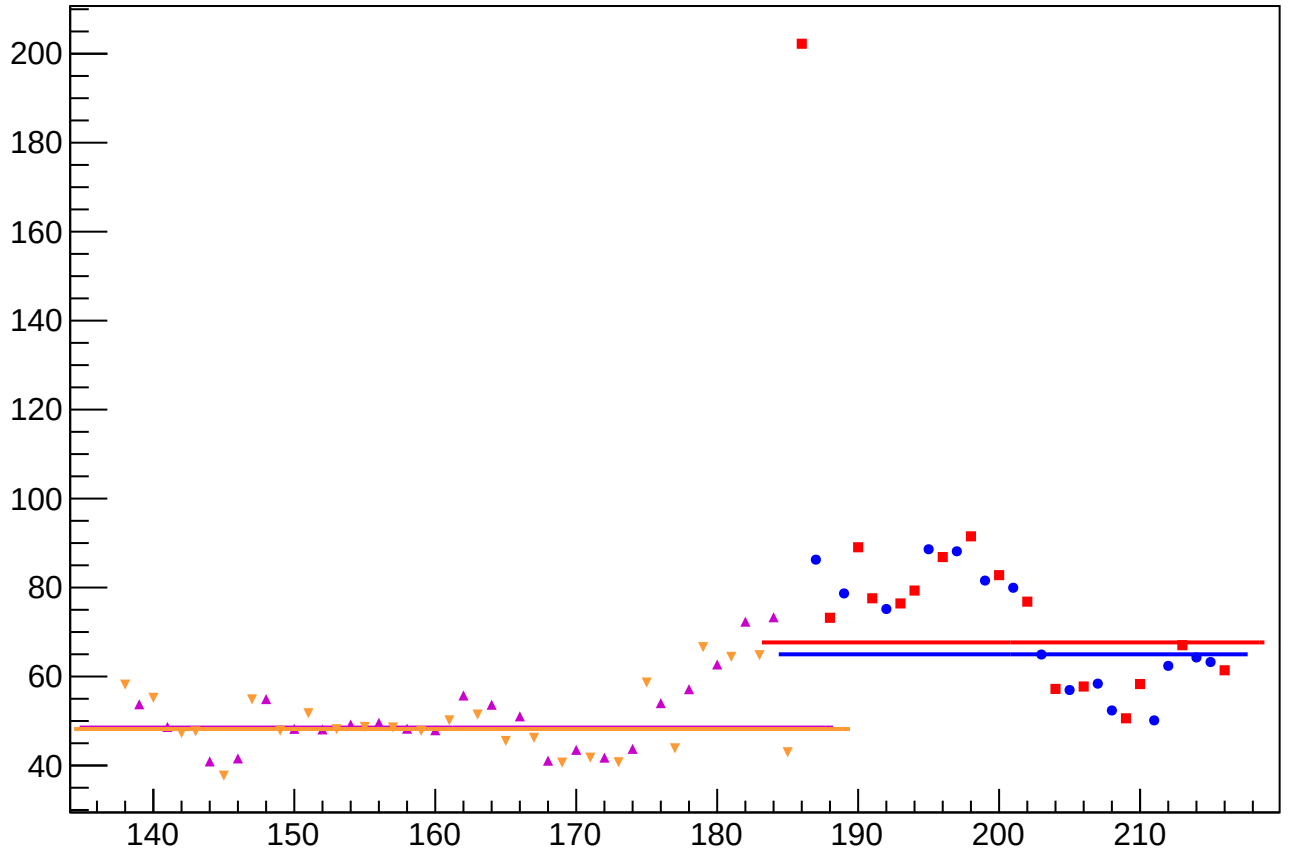
Left: -28.141+/-8.191 χ^2/NDF: 54.8/47

Right: 59.339+/-14.649 χ^2/NDF: 25.8/30

In: -8.439+/-10.194 χ^2/NDF:33.4/37

Out: -6.210+/-10.029 χ^2/NDF:74.3/40

All: -7.306+/-7.149 χ^2/NDF: 107.8/78



Right In: 64.992+/-0.014 χ^2/NDF: 673000.1/14

Left Out: 48.200+/-0.008 χ^2/NDF:750196.2/24

Right Out: 67.666+/-0.015 χ^2/NDF: 999093.3/15

Left In: 48.527+/-0.008 χ^2/NDF:675340.8/22

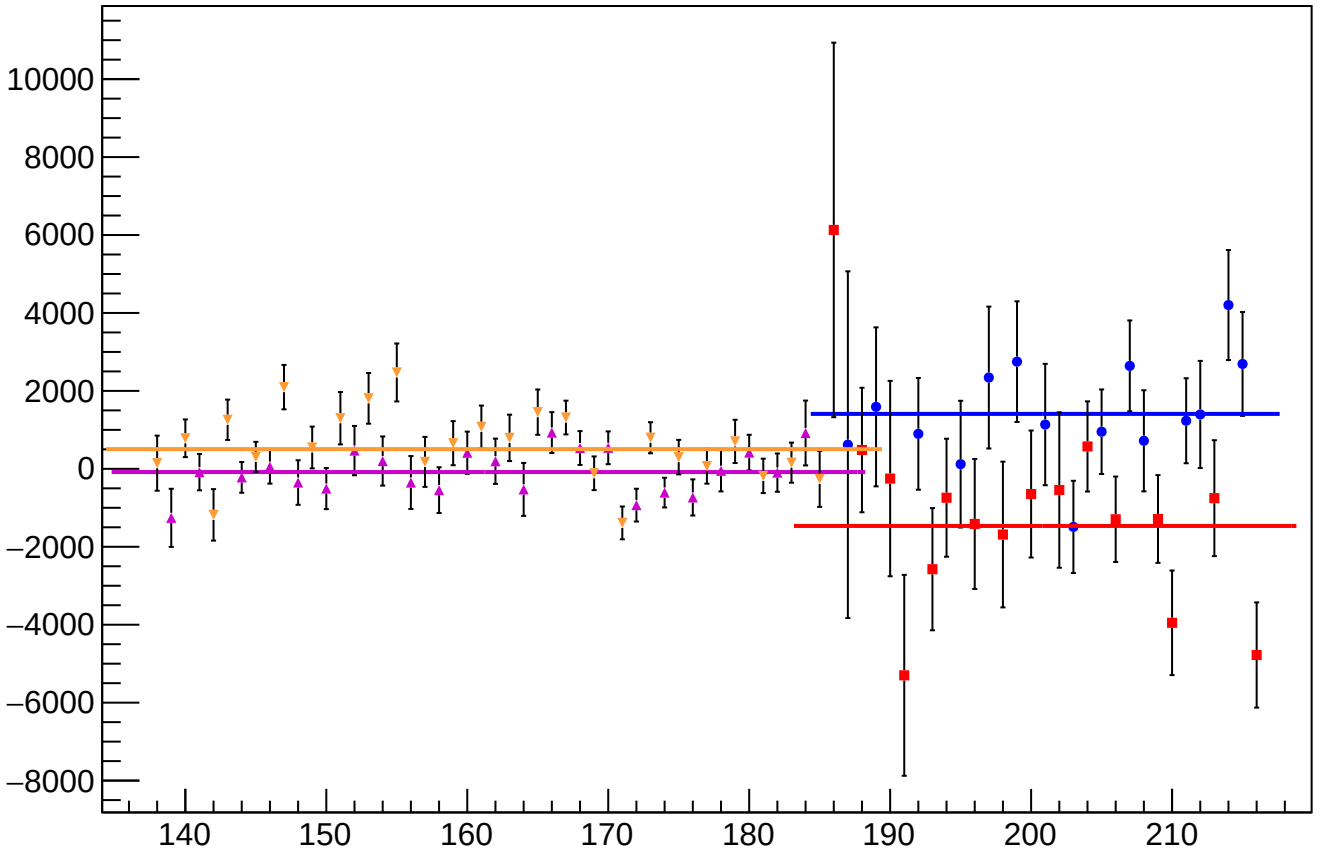
Left: 48.358+/-0.006 χ^2/NDF: 1426333.4/47

Right: 66.274+/-0.010 χ^2/NDF: 1688721.1/30

In: 52.677+/-0.007 χ^2/NDF:2331997.4/37

Out: 52.573+/-0.007 χ^2/NDF:3061922.9/40

All: 52.625+/-0.005 χ^2/NDF: 5394025.8/78



Right In: 1409.933+/-362.375 χ^2/NDF: 14.3/14

Left Out: 506.205+/-103.468 χ^2/NDF:65.7/24

Right Out: -1465.406+/-383.834 χ^2/NDF: 20.5/15

Left In: -82.421+/-105.935 χ^2/NDF:25.3/22

Left: 218.827+/-74.020 χ^2/NDF: 106.9/47

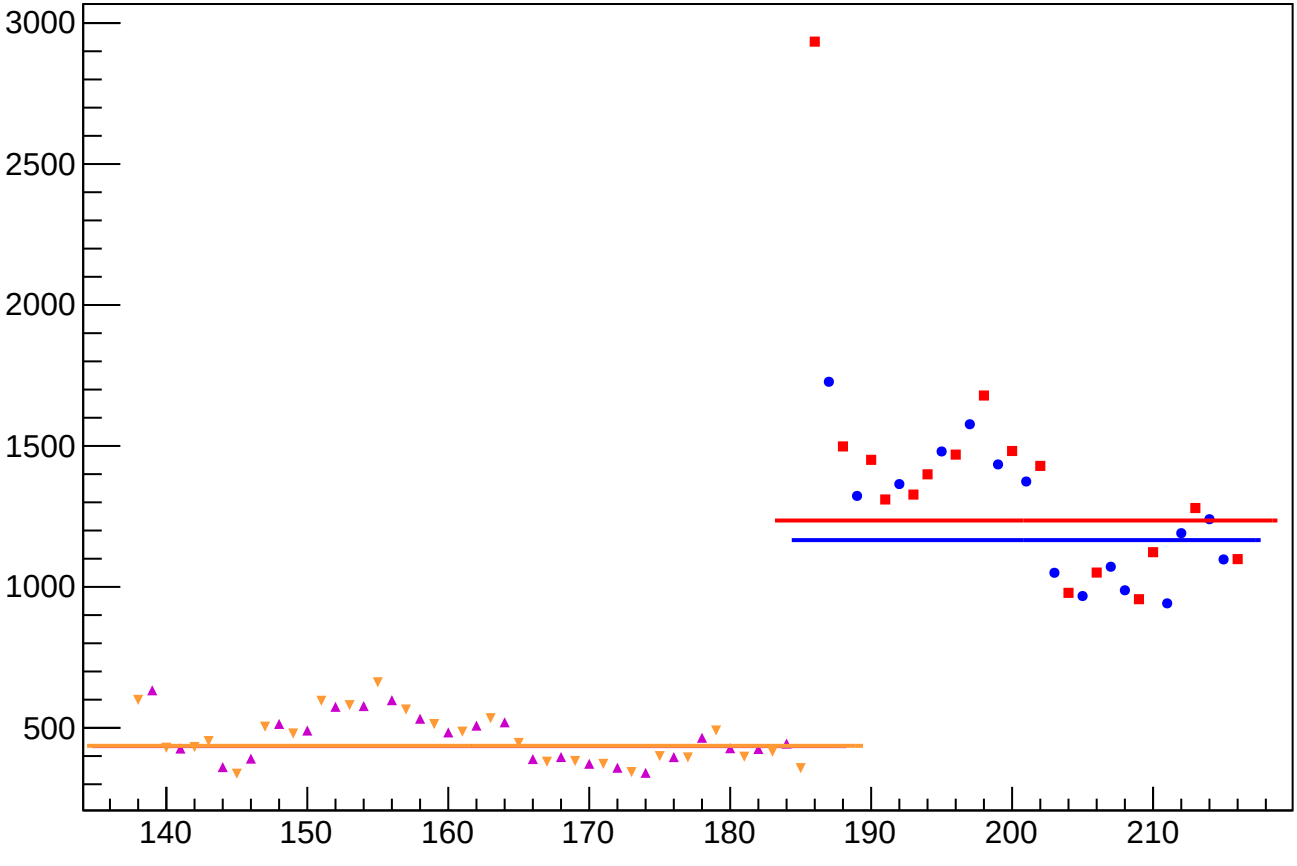
Right: 54.884+/-263.498 χ^2/NDF: 64.4/30

In: 35.075+/-101.679 χ^2/NDF:55.3/37

Out: 372.644+/-99.902 χ^2/NDF:110.8/40

All: 206.836+/-71.261 χ^2/NDF: 171.7/78

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1165.973+/-0.256 χ^2/NDF: 587469.4/14

Left Out: 436.301+/-0.073 χ^2/NDF:1179348.4/24

Right Out: 1235.518+/-0.271 χ^2/NDF: 881799.6/15

Left In: 435.275+/-0.075 χ^2/NDF:1027713.1/22

Left: 435.800+/-0.052 χ^2/NDF: 2207157.7/47

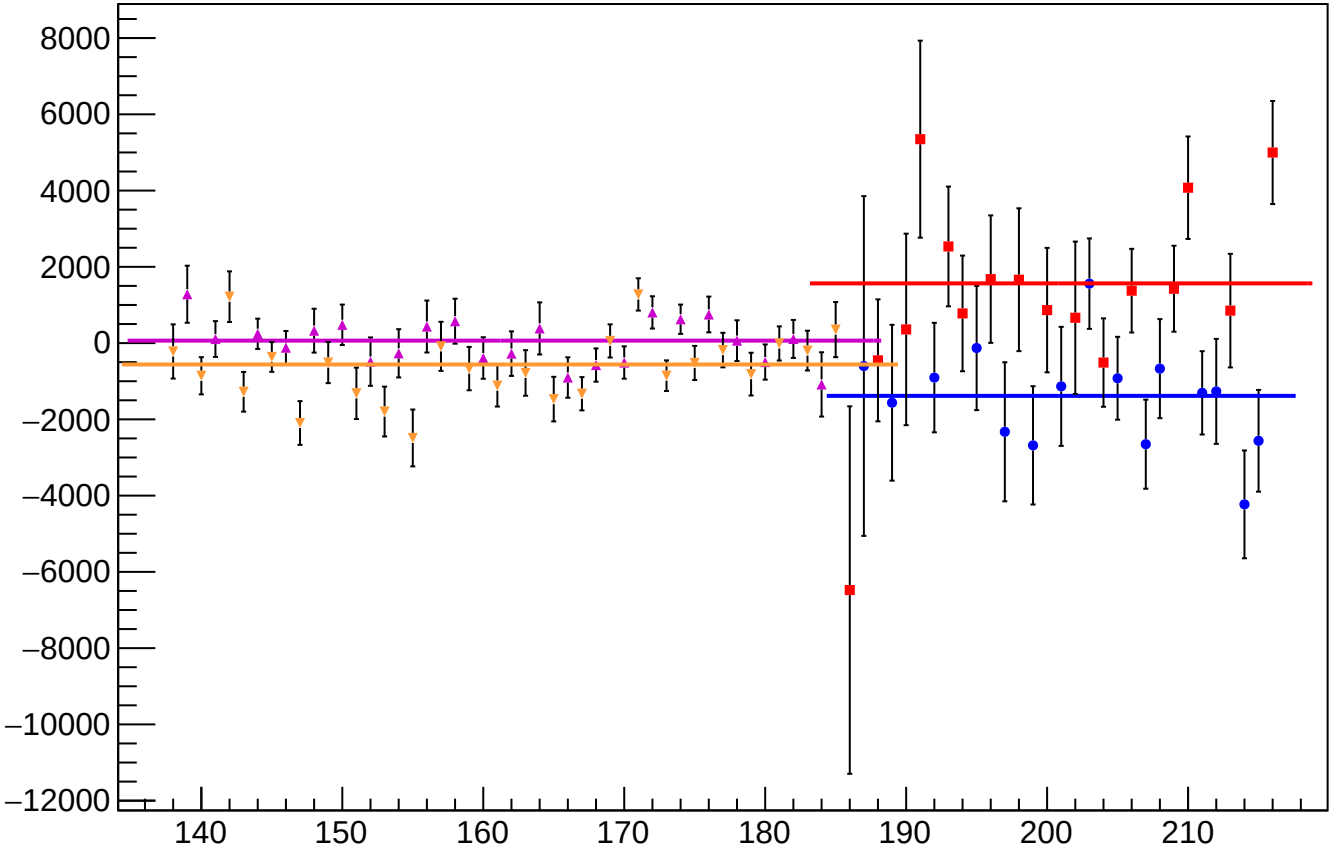
Right: 1198.747+/-0.186 χ^2/NDF: 1503983.8/30

In: 492.804+/-0.072 χ^2/NDF:9106798.9/37

Out: 490.442+/-0.071 χ^2/NDF:10144800.4/40

All: 491.602+/-0.050 χ^2/NDF: 19252148.5/78

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -1383.775+/-362.978 χ^2/NDF: 14.4/14

Left Out: -560.684+/-104.207 χ^2/NDF:61.8/24

Right Out: 1566.053+/-384.459 χ^2/NDF: 21.2/15

Left In: 64.594+/-106.708 χ^2/NDF:25.2/22

Left: -255.457+/-74.554 χ^2/NDF: 104.5/47

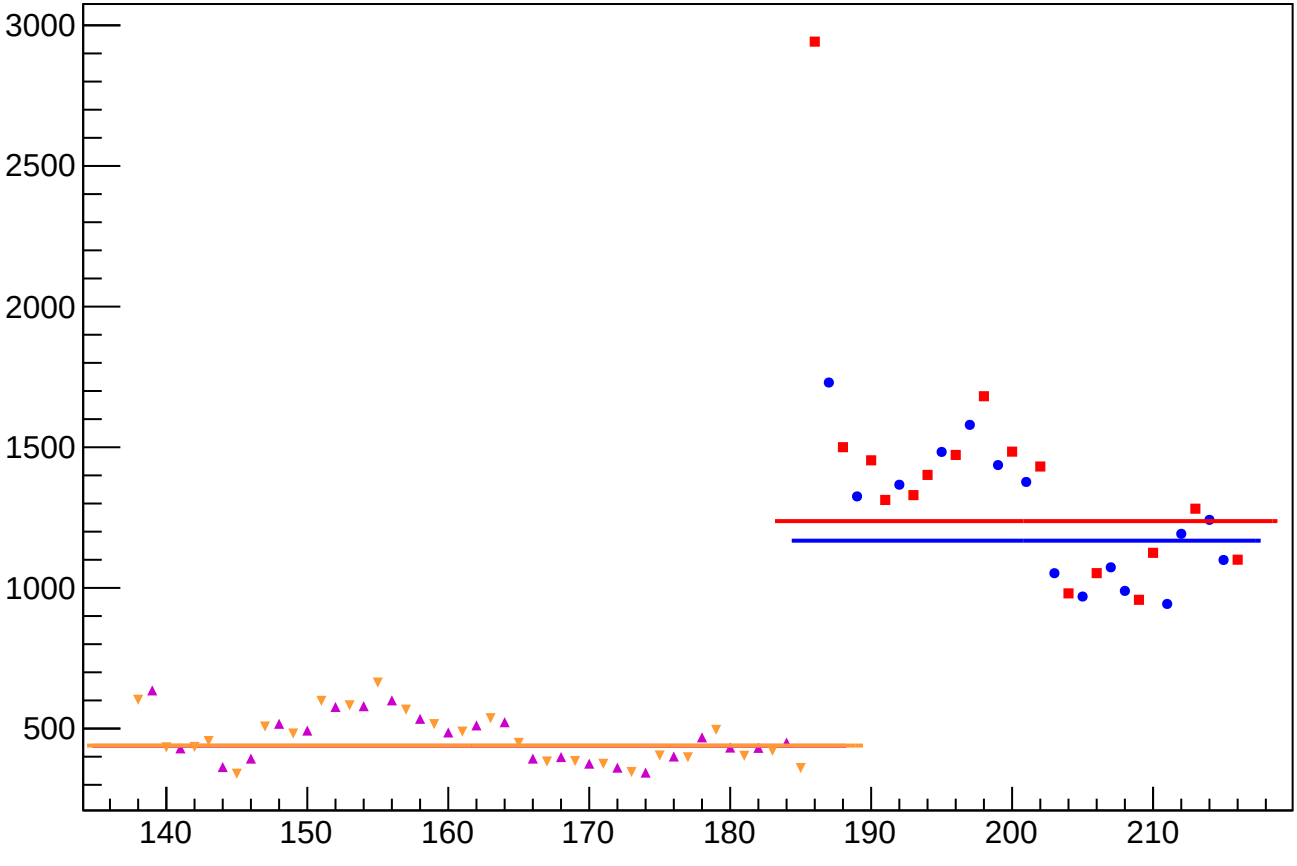
Right: 6.435+/-263.932 χ^2/NDF: 66.7/30

In: -50.621+/-102.375 χ^2/NDF:54.2/37

Out: -415.131+/-100.578 χ^2/NDF:111.5/40

All: -236.104+/-71.746 χ^2/NDF: 172.2/78

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.909+/-0.257 χ^2/NDF: 587839.0/14

Left Out: 439.527+/-0.074 χ^2/NDF:1163352.8/24

Right Out: 1237.511+/-0.272 χ^2/NDF: 882502.9/15

Left In: 438.548+/-0.075 χ^2/NDF:1013071.4/22

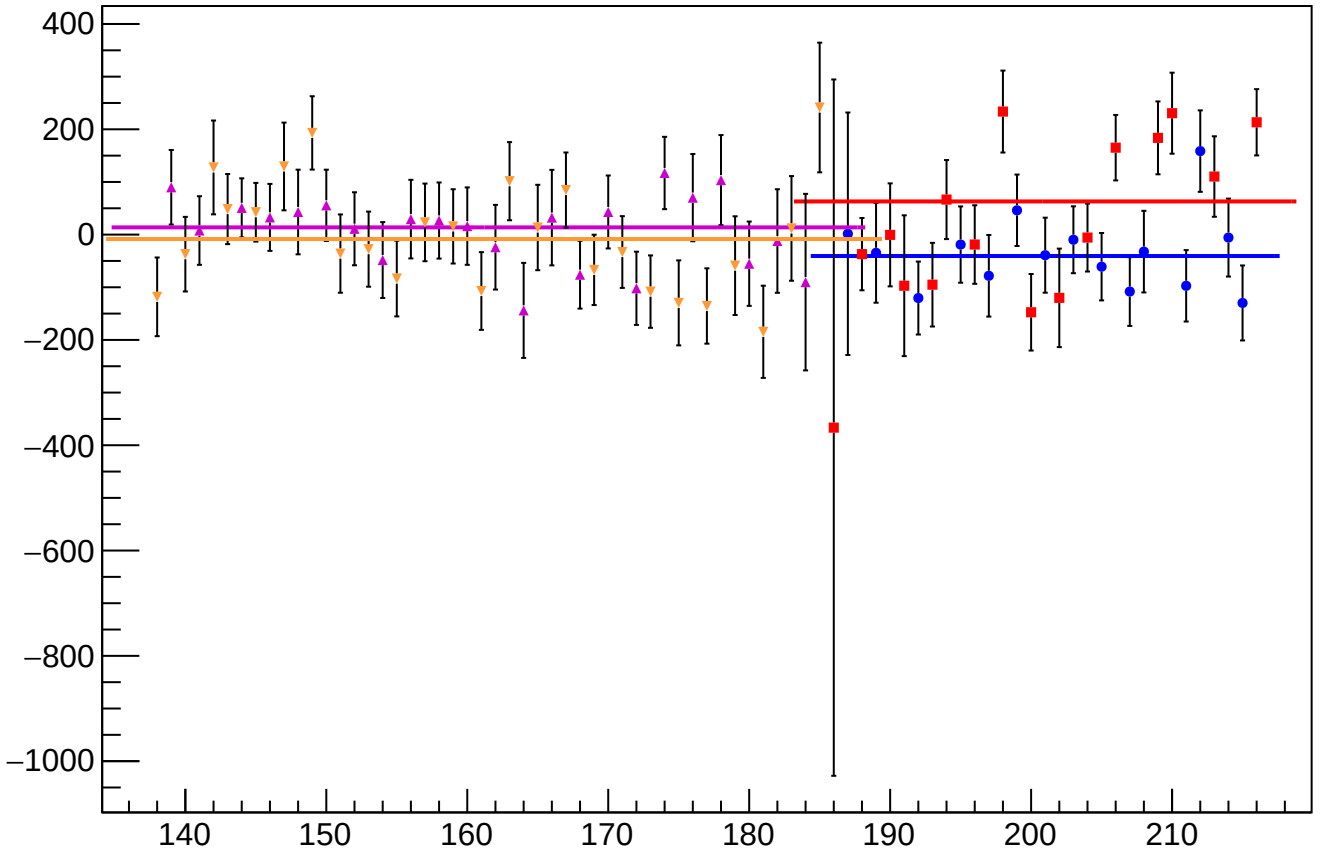
Left: 439.049+/-0.053 χ^2/NDF: 2176510.4/47

Right: 1200.711+/-0.187 χ^2/NDF: 1504999.1/30

In: 496.567+/-0.072 χ^2/NDF:9033752.4/37

Out: 494.140+/-0.071 χ^2/NDF:10072419.4/40

All: 495.332+/-0.051 χ^2/NDF: 19106743.5/78



Right In: -40.663+/-19.008 χ^2/NDF: 13.9/14

Left Out: -8.416+/-14.935 χ^2/NDF:41.6/24

Right Out: 62.997+/-19.389 χ^2/NDF: 44.3/15

Left In: 13.723+/-15.478 χ^2/NDF:16.3/22

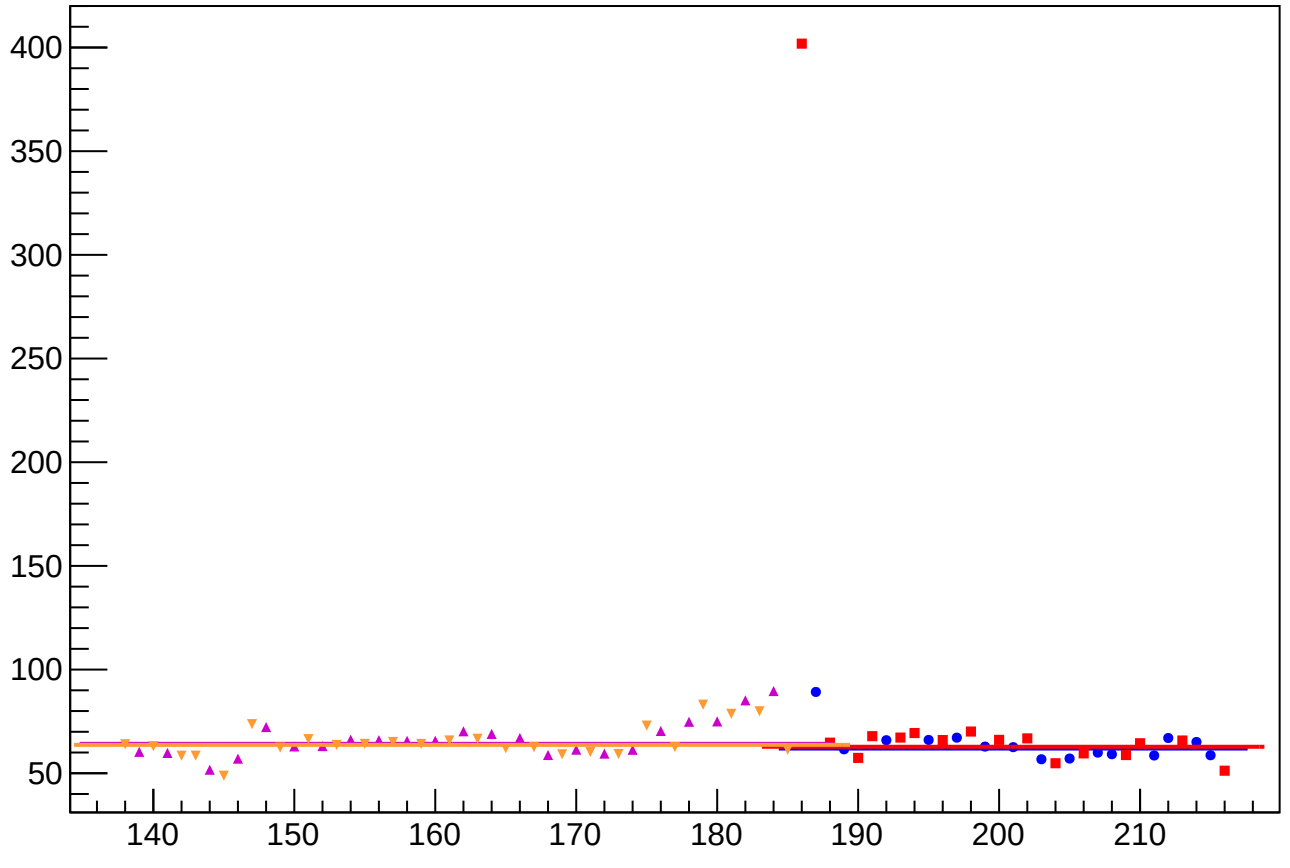
Left: 2.258+/-10.747 χ^2/NDF: 58.9/47

Right: 10.138+/-13.573 χ^2/NDF: 72.8/30

In: -7.961+/-12.002 χ^2/NDF:35.1/37

Out: 18.176+/-11.832 χ^2/NDF:94.4/40

All: 5.295+/-8.426 χ^2/NDF: 131.9/78



Right In: 61.915+/-0.013 χ^2/NDF: 101349.4/14

Left Out: 63.696+/-0.011 χ^2/NDF:448439.3/24

Right Out: 62.776+/-0.014 χ^2/NDF: 701637.4/15

Left In: 64.189+/-0.011 χ^2/NDF:429670.3/22

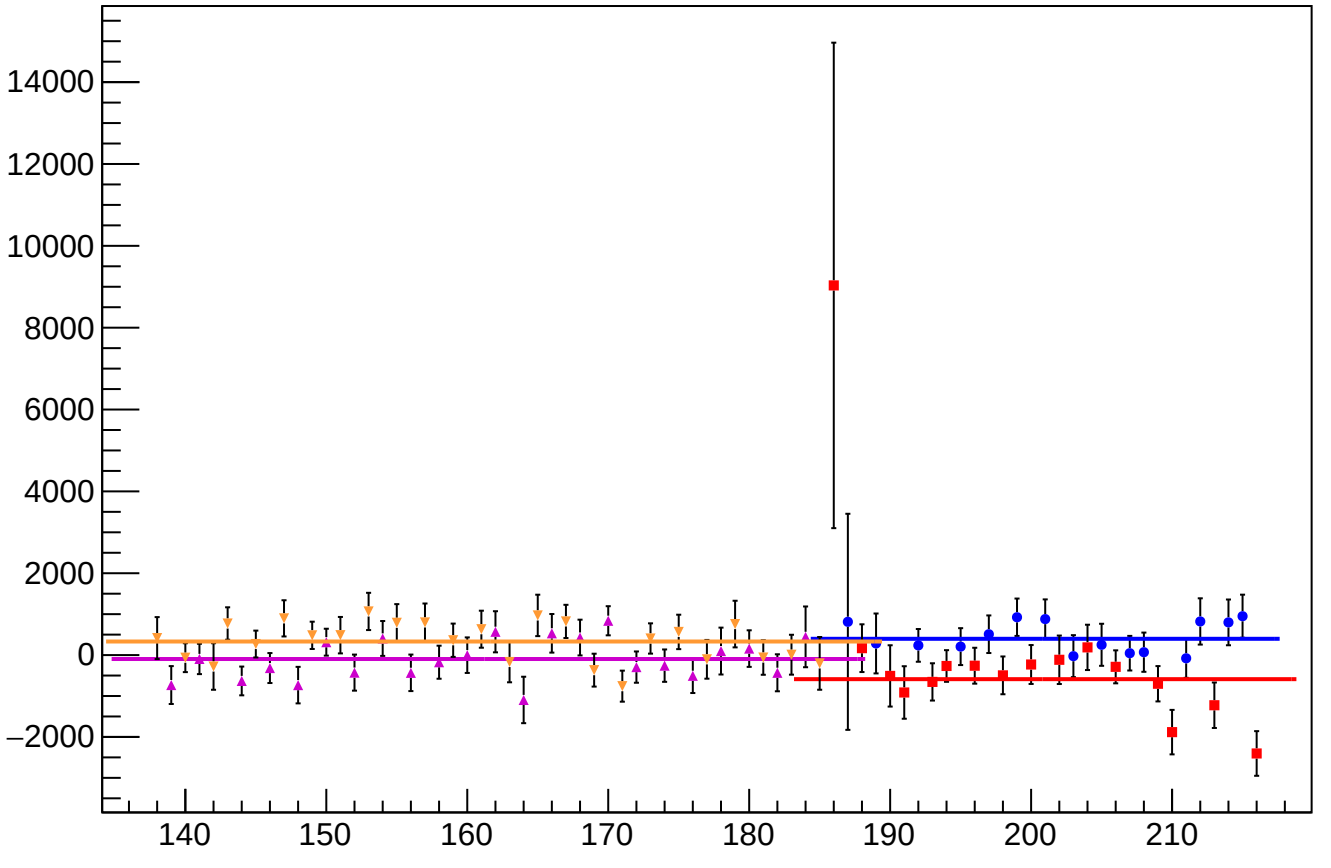
Left: 63.934+/-0.008 χ^2/NDF: 879161.0/47

Right: 62.337+/-0.010 χ^2/NDF: 804994.2/30

In: 63.283+/-0.008 χ^2/NDF:548226.9/37

Out: 63.353+/-0.008 χ^2/NDF:1152904.8/40

All: 63.318+/-0.006 χ^2/NDF: 1701166.9/78



Right In: 397.869+/-130.300 χ^2/NDF: 7.9/14

Left Out: 331.739+/-86.071 χ^2/NDF:29.9/24

Right Out: -588.358+/-128.427 χ^2/NDF: 27.8/15

Left In: -95.910+/-88.656 χ^2/NDF:28.7/22

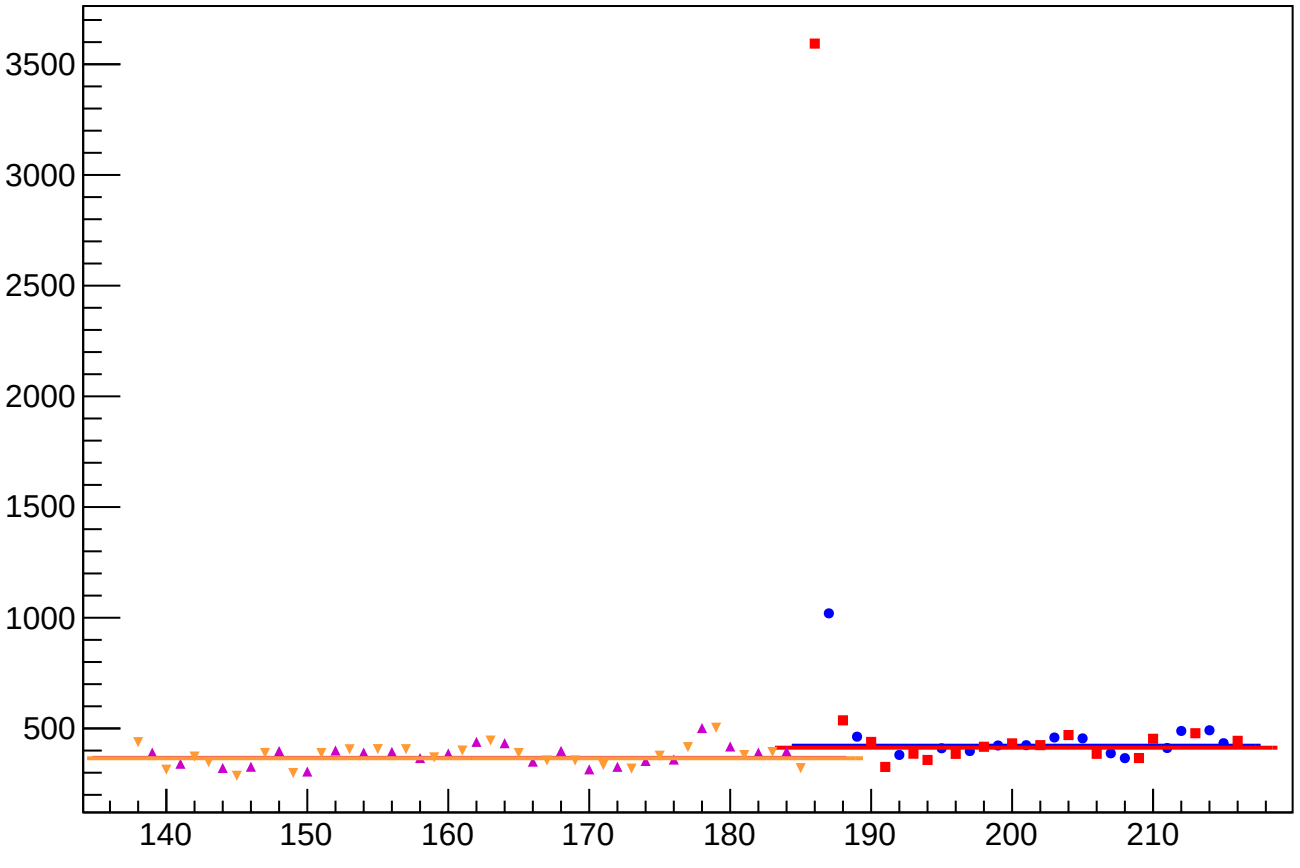
Left: 124.240+/-61.755 χ^2/NDF: 70.5/47

Right: -102.385+/-91.467 χ^2/NDF: 64.7/30

In: 60.344+/-73.298 χ^2/NDF:46.4/37

Out: 46.559+/-71.499 χ^2/NDF:93.1/40

All: 53.280+/-51.182 χ^2/NDF: 139.5/78



Right In: 421.987+/-0.092 χ^2/NDF: 257625.9/14

Left Out: 365.355+/-0.061 χ^2/NDF:618453.7/24

Right Out: 413.024+/-0.091 χ^2/NDF: 863461.7/15

Left In: 366.925+/-0.063 χ^2/NDF:478082.1/22

Left: 366.117+/-0.044 χ^2/NDF: 1096858.5/47

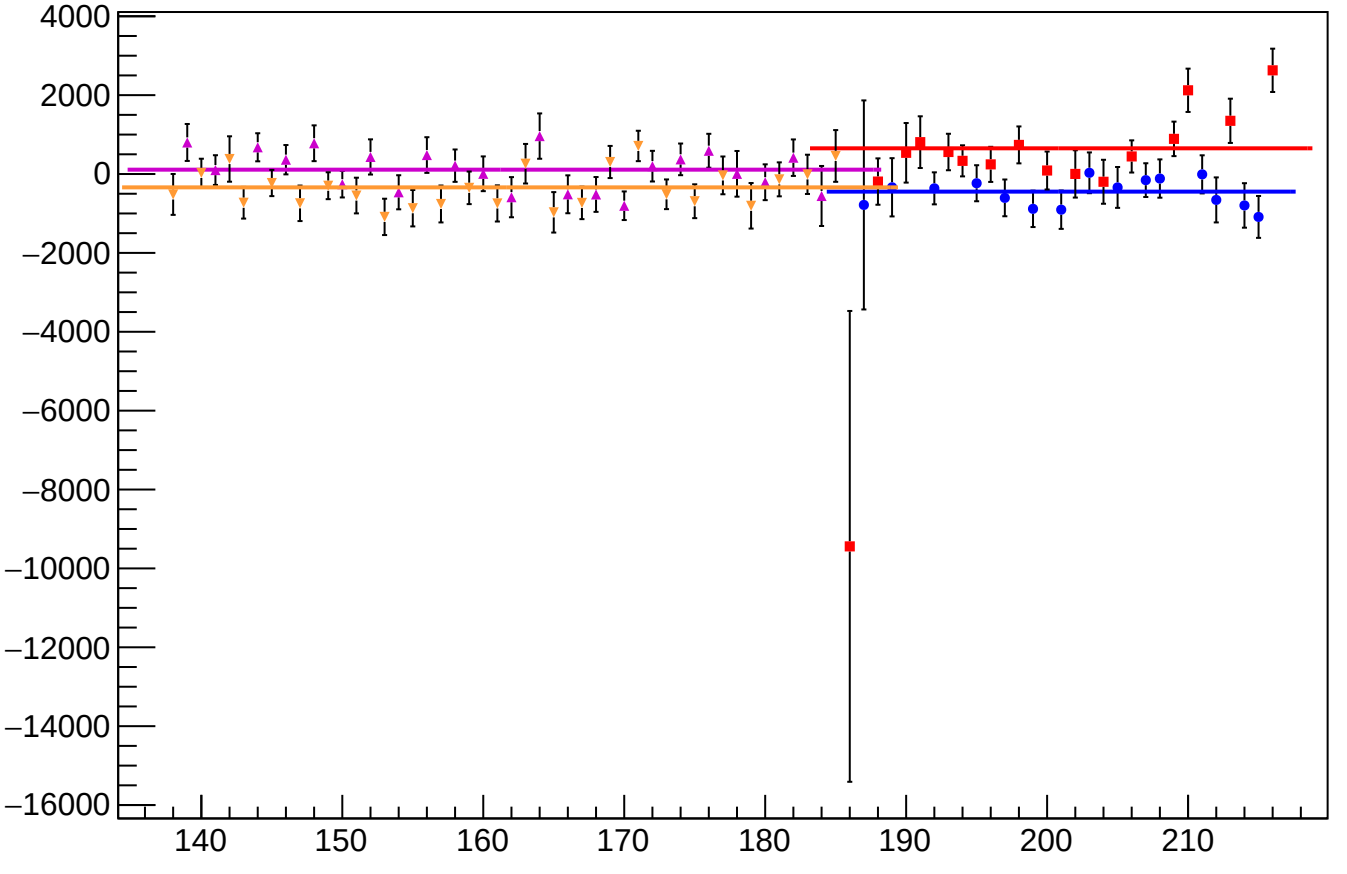
Right: 417.441+/-0.065 χ^2/NDF: 1125887.3/30

In: 384.349+/-0.052 χ^2/NDF:979836.5/37

Out: 380.130+/-0.051 χ^2/NDF:1672055.9/40

All: 382.187+/-0.036 χ^2/NDF: 2655287.5/78

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -446.415+/-131.794 χ^2/NDF: 6.8/14

Left Out: -338.528+/-87.450 χ^2/NDF:28.2/24

Right Out: 651.595+/-130.078 χ^2/NDF: 33.7/15

Left In: 110.341+/-90.084 χ^2/NDF:29.2/22

Left: -120.751+/-62.747 χ^2/NDF: 70.2/47

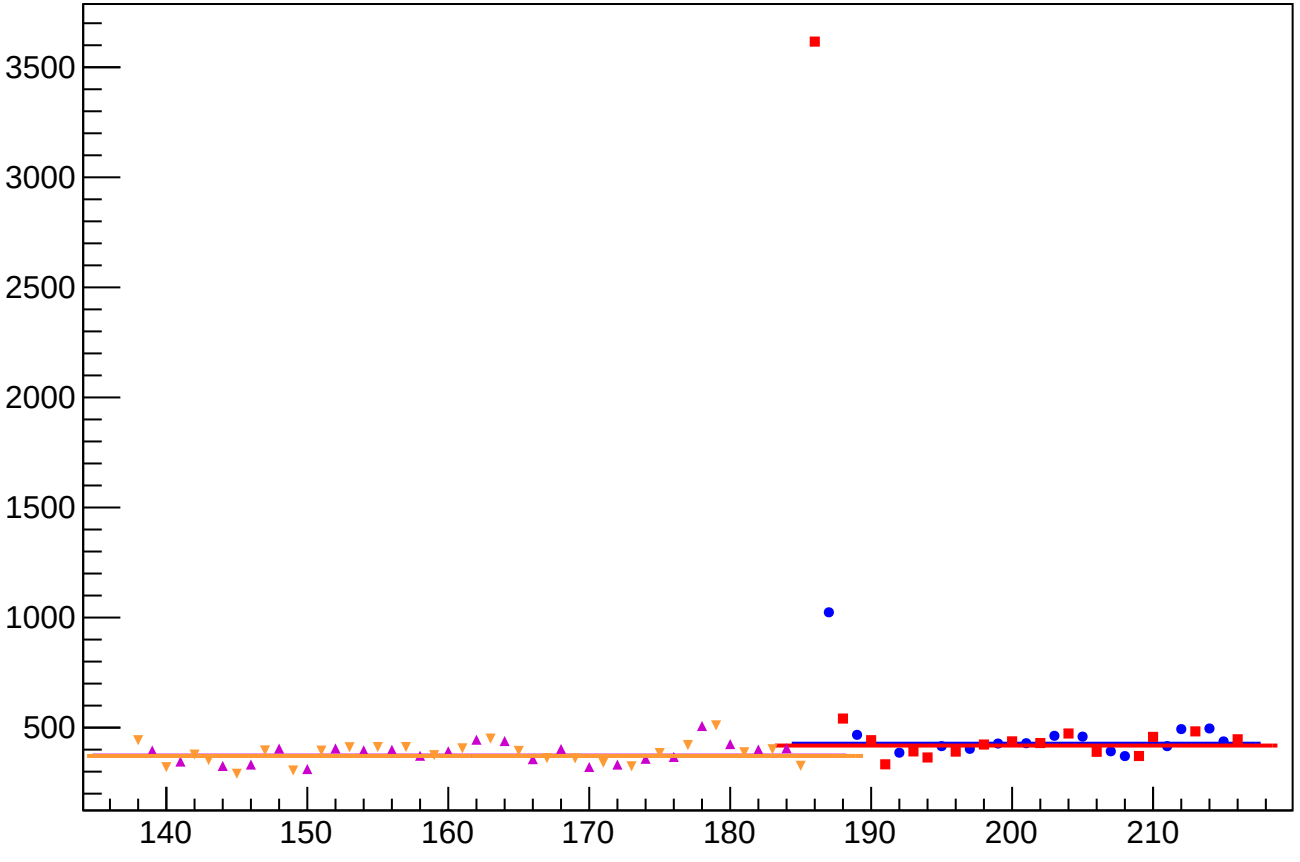
Right: 109.785+/-92.580 χ^2/NDF: 75.6/30

In: -66.947+/-74.371 χ^2/NDF:48.2/37

Out: -30.319+/-72.574 χ^2/NDF:101.8/40

All: -48.185+/-51.941 χ^2/NDF: 150.1/78

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 426.948+/-0.093 χ^2/NDF: 249955.7/14

Left Out: 371.356+/-0.062 χ^2/NDF:604070.6/24

Right Out: 418.537+/-0.092 χ^2/NDF: 847756.8/15

Left In: 372.938+/-0.064 χ^2/NDF:467340.9/22

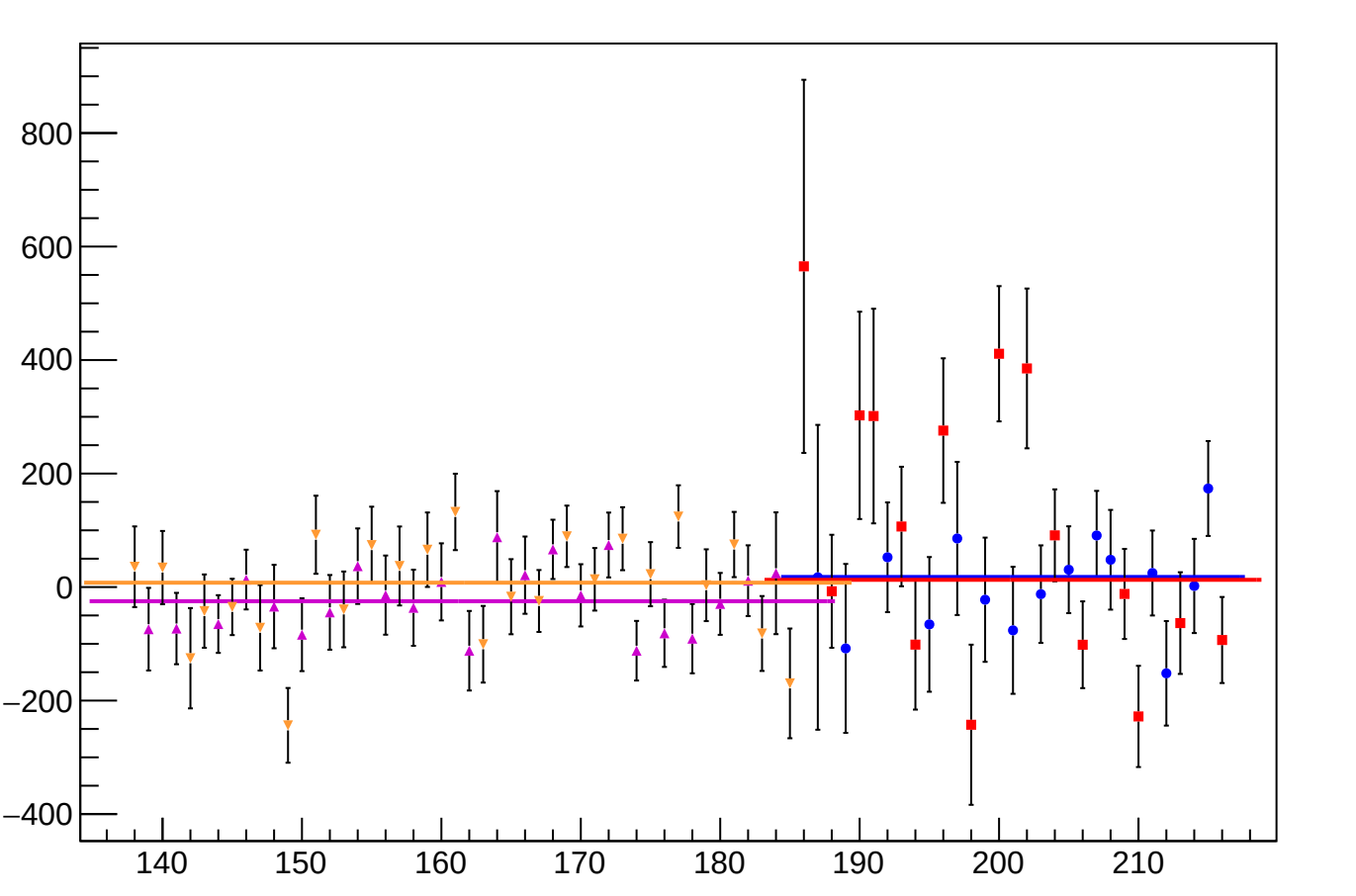
Left: 372.123+/-0.044 χ^2/NDF: 1071729.1/47

Right: 422.687+/-0.065 χ^2/NDF: 1101837.8/30

In: 390.136+/-0.053 χ^2/NDF:946222.8/37

Out: 386.043+/-0.051 χ^2/NDF:1633048.8/40

All: 388.039+/-0.037 χ^2/NDF: 2582375.0/78



Right In: 17.827+/-24.710 χ^2/NDF: 10.5/14

Left Out: 7.723+/-12.656 χ^2/NDF:45.4/24

Right Out: 12.781+/-26.046 χ^2/NDF: 48.5/15

Left In: -24.887+/-13.029 χ^2/NDF:19.7/22

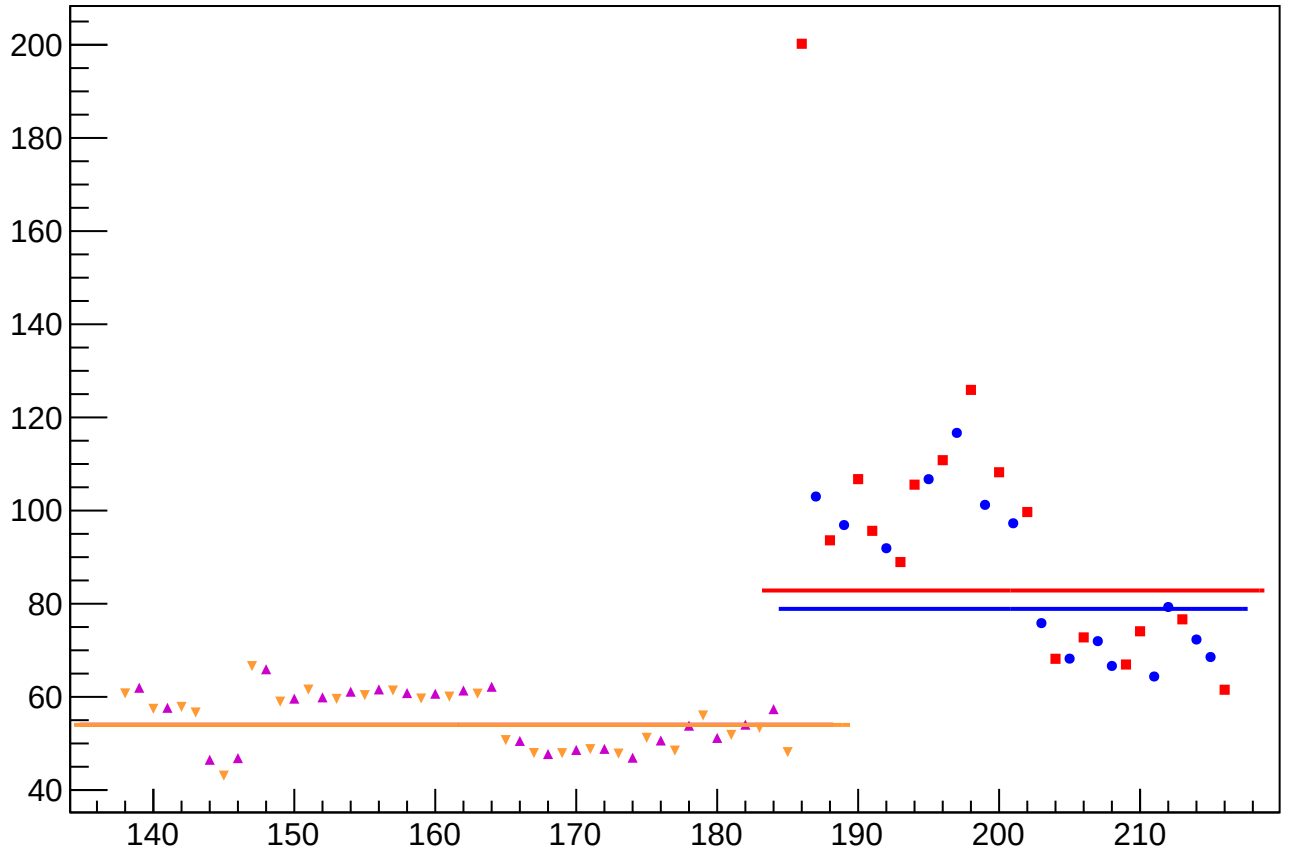
Left: -8.108+/-9.078 χ^2/NDF: 68.4/47

Right: 15.437+/-17.926 χ^2/NDF: 59.0/30

In: -15.595+/-11.525 χ^2/NDF:32.6/37

Out: 8.689+/-11.383 χ^2/NDF:93.9/40

All: -3.303+/-8.099 χ^2/NDF: 128.7/78



Right In: 78.896+/-0.017 χ^2/NDF: 700345.4/14

Left Out: 53.984+/-0.009 χ^2/NDF:458972.1/24

Right Out: 82.839+/-0.018 χ^2/NDF: 1176987.8/15

Left In: 54.028+/-0.009 χ^2/NDF:443819.5/22

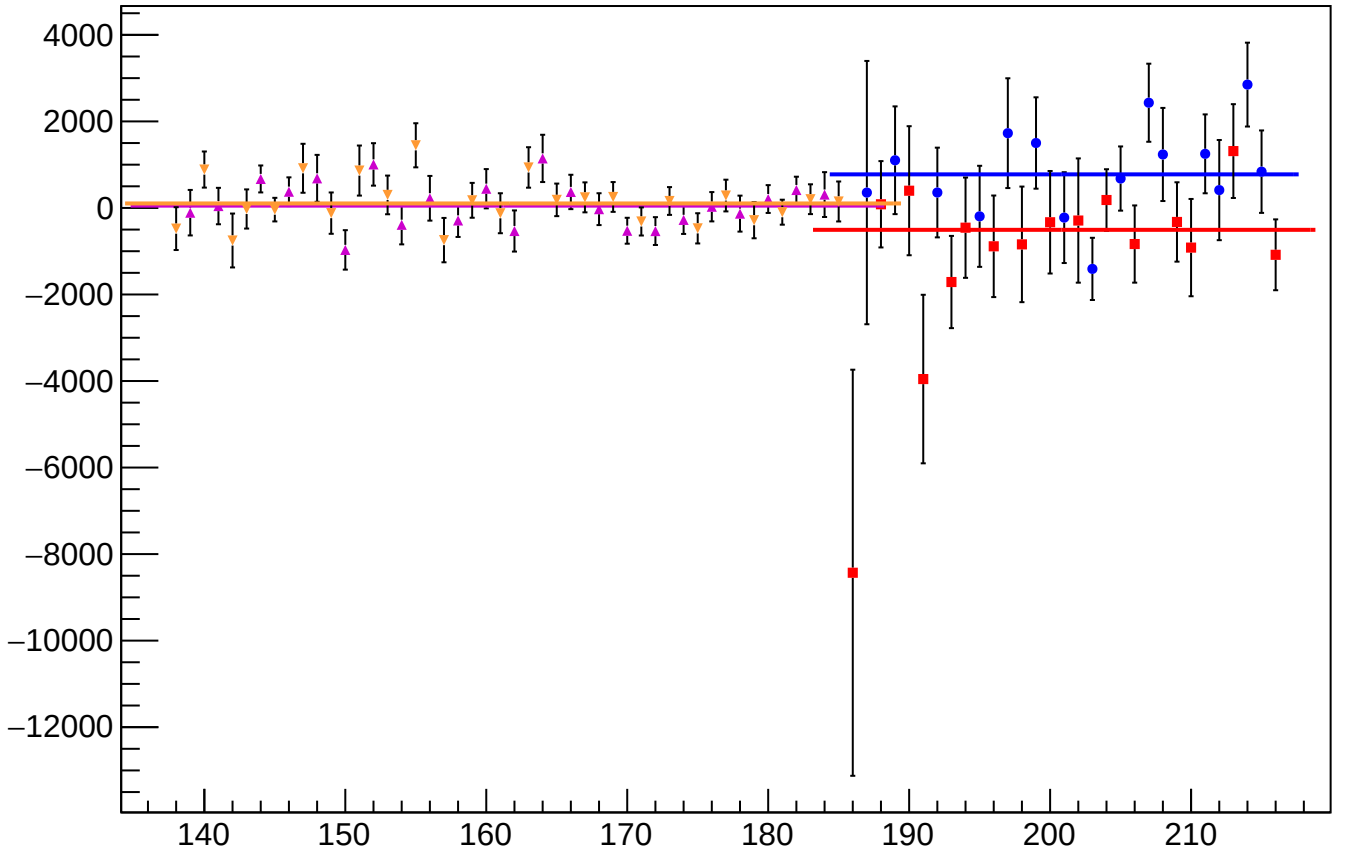
Left: 54.005+/-0.006 χ^2/NDF: 902803.3/47

Right: 80.764+/-0.013 χ^2/NDF: 1901456.9/30

In: 59.438+/-0.008 χ^2/NDF:2729312.9/37

Out: 59.495+/-0.008 χ^2/NDF:3621853.1/40

All: 59.467+/-0.006 χ^2/NDF: 6351191.2/78



Right In: 776.107+/-259.906 χ^2/NDF: 20.6/14

Left Out: 103.768+/-79.344 χ^2/NDF:31.0/24

Right Out: -505.954+/-272.899 χ^2/NDF: 12.8/15

Left In: 53.493+/-81.201 χ^2/NDF:34.1/22

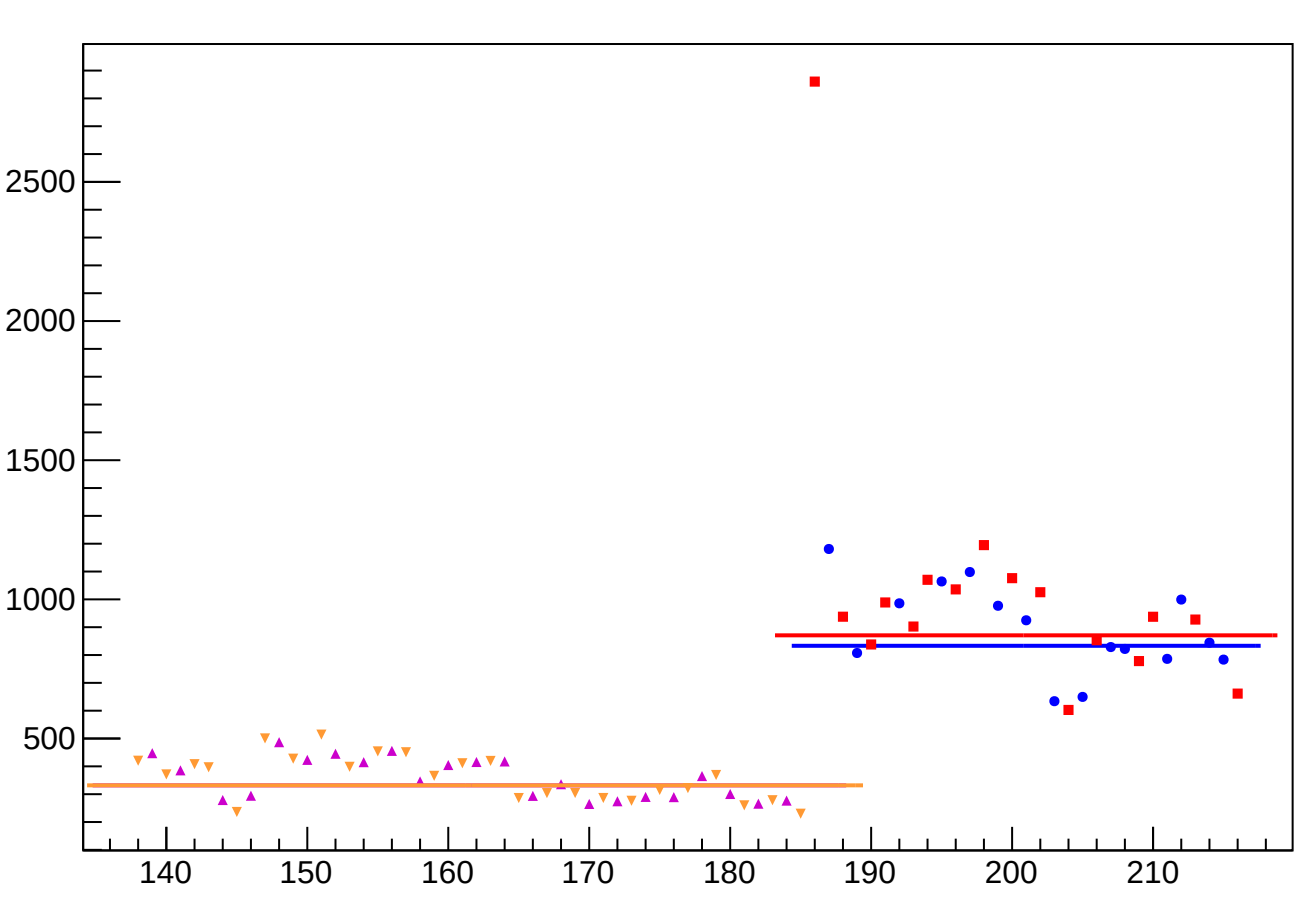
Left: 79.212+/-56.750 χ^2/NDF: 65.3/47

Right: 166.322+/-188.207 χ^2/NDF: 45.0/30

In: 117.754+/-77.506 χ^2/NDF:61.8/37

Out: 56.244+/-76.189 χ^2/NDF:48.3/40

All: 86.472+/-54.334 χ^2/NDF: 110.4/78



Right In: 833.174+/-0.184 χ^2/NDF: 616725.6/14

Left Out: 331.770+/-0.056 χ^2/NDF:1711721.9/24

Right Out: 870.767+/-0.193 χ^2/NDF: 1127220.5/15

Left In: 331.666+/-0.057 χ^2/NDF:1303192.2/22

Left: 331.719+/-0.040 χ^2/NDF: 3014915.7/47

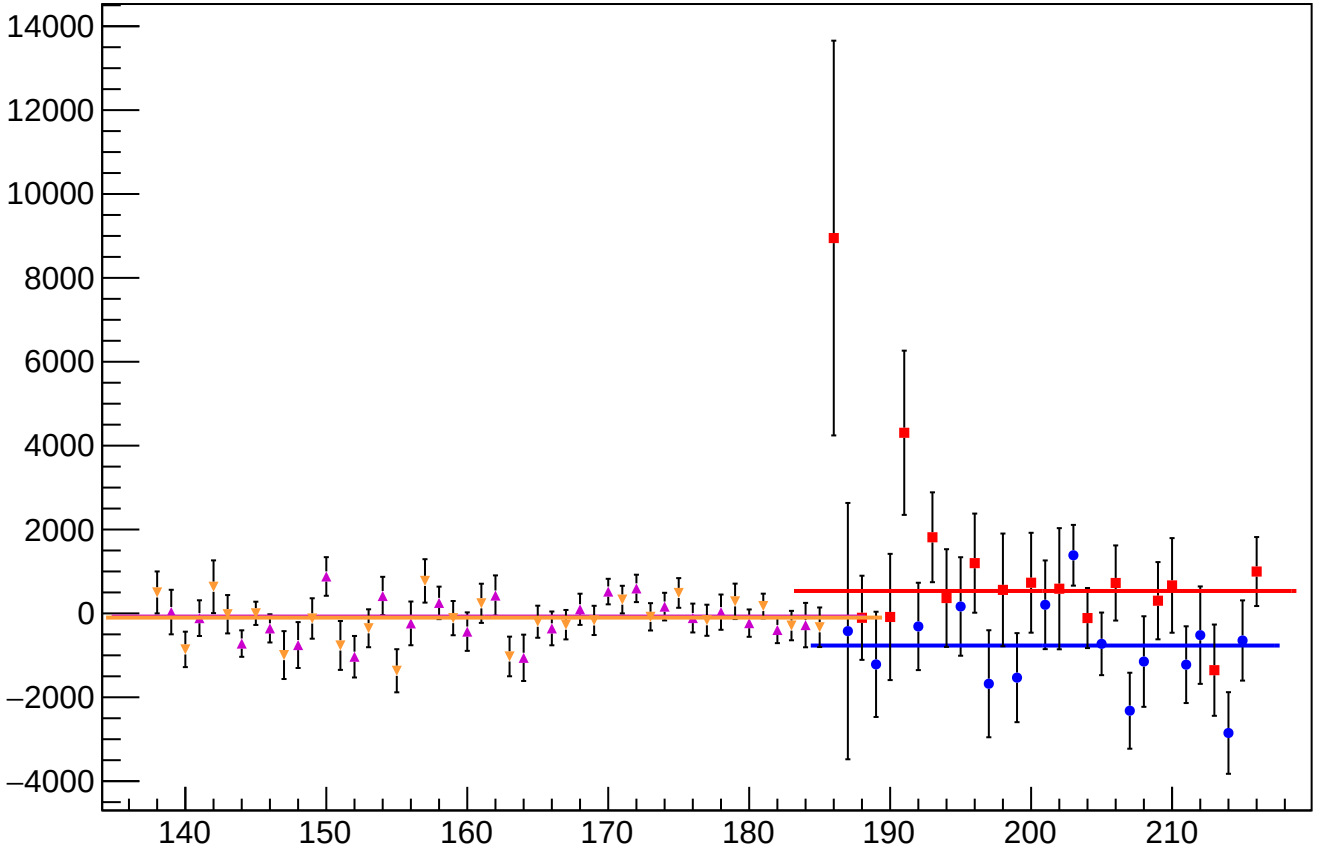
Right: 851.055+/-0.133 χ^2/NDF: 1763847.1/30

In: 376.264+/-0.055 χ^2/NDF:8704220.1/37

Out: 373.782+/-0.054 χ^2/NDF:10032679.7/40

All: 375.002+/-0.038 χ^2/NDF: 18737943.3/78

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -766.361+/-261.274 χ^2/NDF: 19.6/14

Left Out: -99.785+/-80.428 χ^2/NDF:30.7/24

Right Out: 534.638+/-274.303 χ^2/NDF: 13.5/15

Left In: -75.579+/-82.319 χ^2/NDF:32.1/22

Left: -87.963+/-57.528 χ^2/NDF: 62.8/47

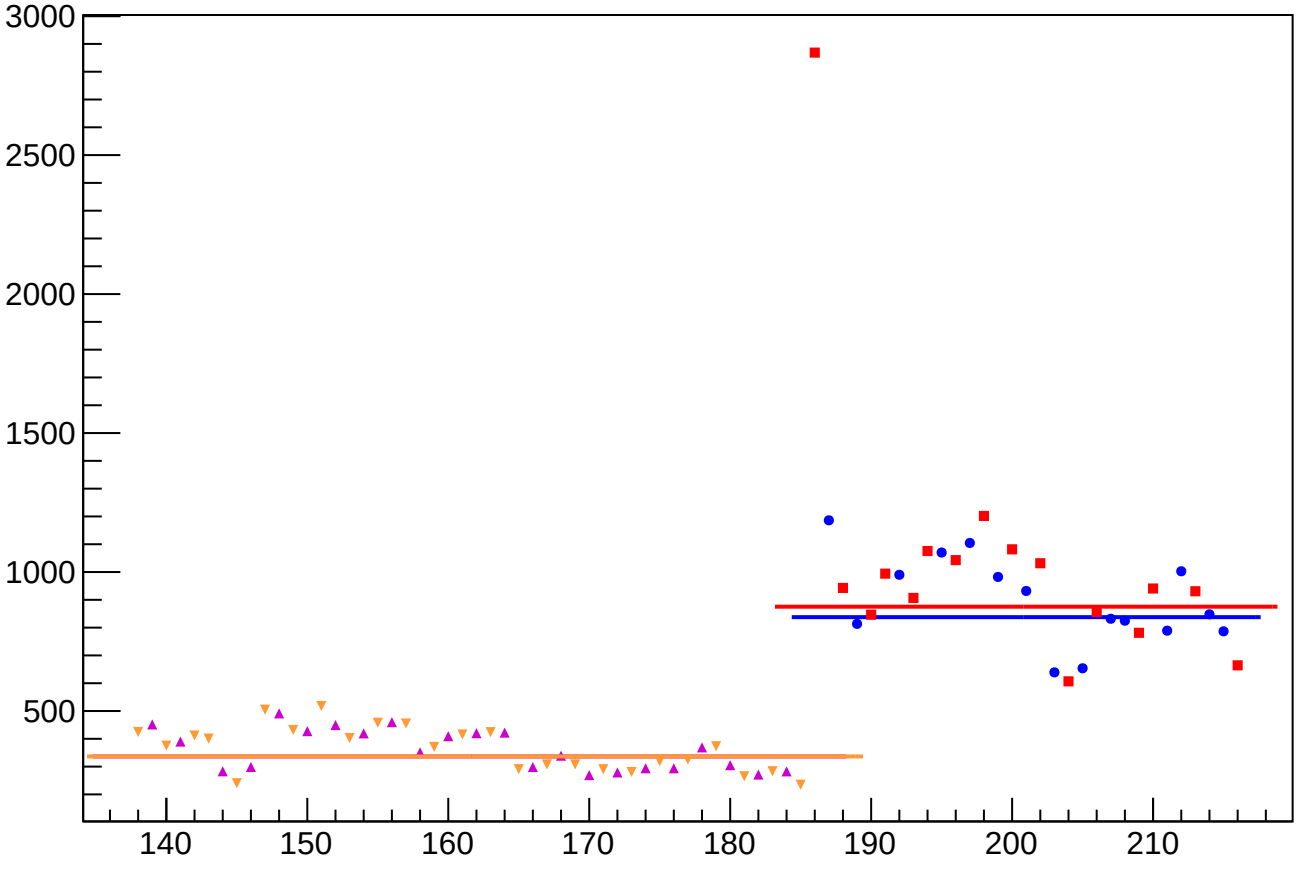
Right: -147.492+/-189.187 χ^2/NDF: 45.0/30

In: -137.959+/-78.514 χ^2/NDF:58.1/37

Out: -49.561+/-77.179 χ^2/NDF:49.1/40

All: -93.002+/-55.040 χ^2/NDF: 107.9/78

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 837.675+/-0.185 χ^2/NDF: 612748.7/14

Left Out: 336.557+/-0.057 χ^2/NDF:1665919.4/24

Right Out: 875.332+/-0.194 χ^2/NDF: 1125257.9/15

Left In: 336.439+/-0.058 χ^2/NDF:1269066.3/22

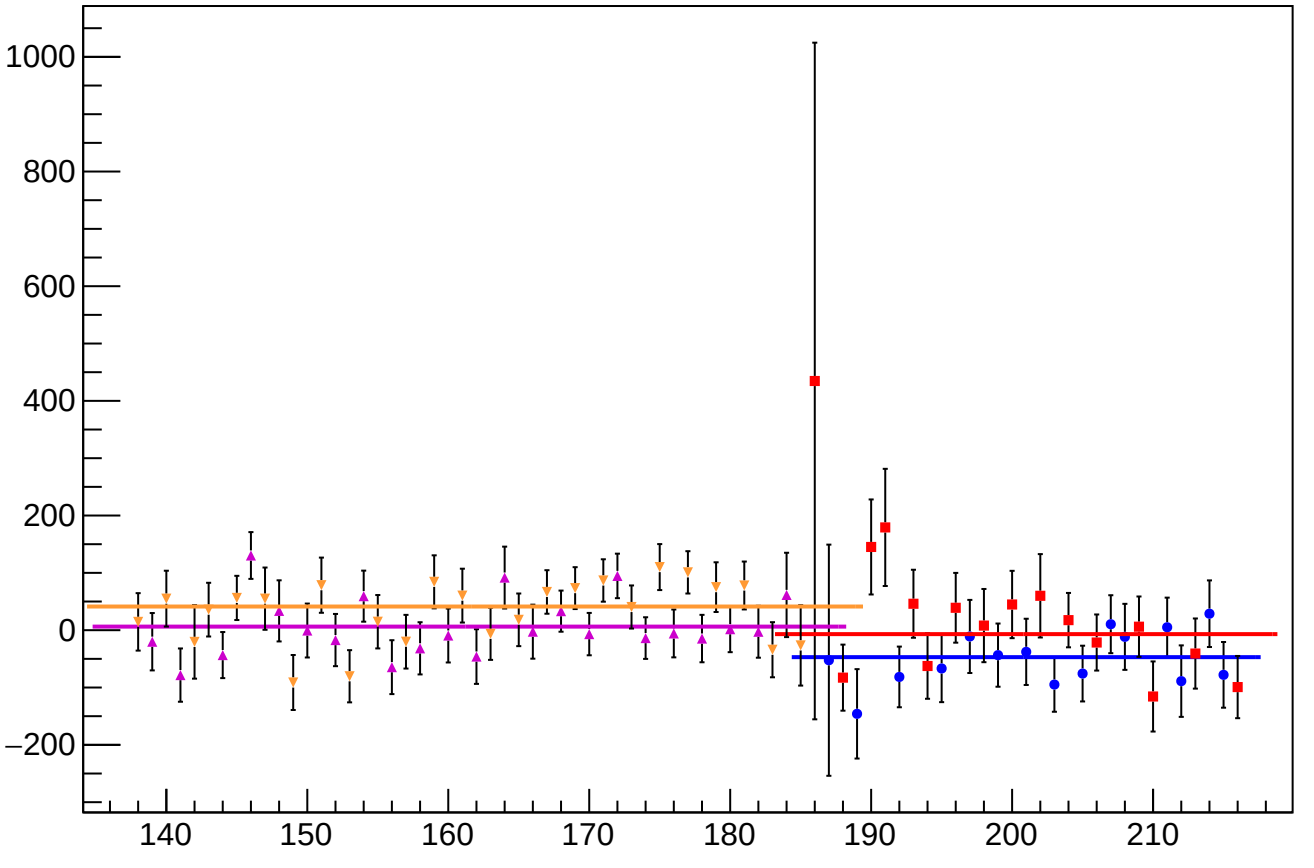
Left: 336.500+/-0.041 χ^2/NDF: 2934987.9/47

Right: 855.588+/-0.134 χ^2/NDF: 1757769.4/30

In: 381.702+/-0.056 χ^2/NDF:8577858.6/37

Out: 379.210+/-0.055 χ^2/NDF:9896198.9/40

All: 380.435+/-0.039 χ^2/NDF: 18475082.7/78



Right In: -47.024+/-14.900 χ^2/NDF: 9.0/14

Left Out: 41.283+/-8.889 χ^2/NDF:34.4/24

Right Out: -6.862+/-15.381 χ^2/NDF: 19.7/15

Left In: 6.254+/-9.175 χ^2/NDF:30.3/22

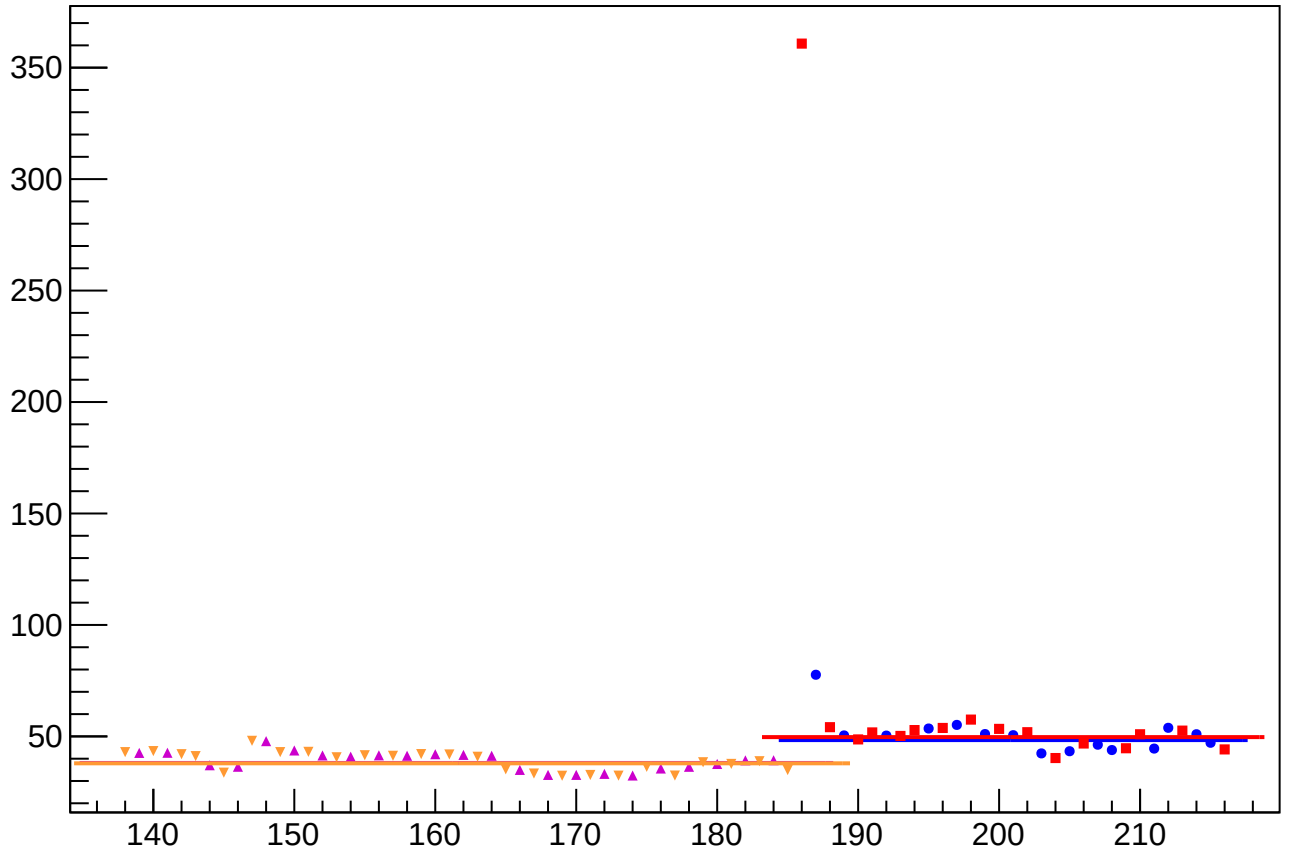
Left: 24.322+/-6.384 χ^2/NDF: 72.2/47

Right: -27.580+/-10.702 χ^2/NDF: 32.3/30

In: -8.392+/-7.812 χ^2/NDF:48.5/37

Out: 29.228+/-7.696 χ^2/NDF:61.5/40

All: 10.700+/-5.483 χ^2/NDF: 121.8/78



Right In: 48.347+/-0.011 χ^2/NDF: 192405.7/14

Left Out: 37.925+/-0.006 χ^2/NDF:487085.3/24

Right Out: 49.684+/-0.011 χ^2/NDF: 753732.3/15

Left In: 38.087+/-0.006 χ^2/NDF:396334.5/22

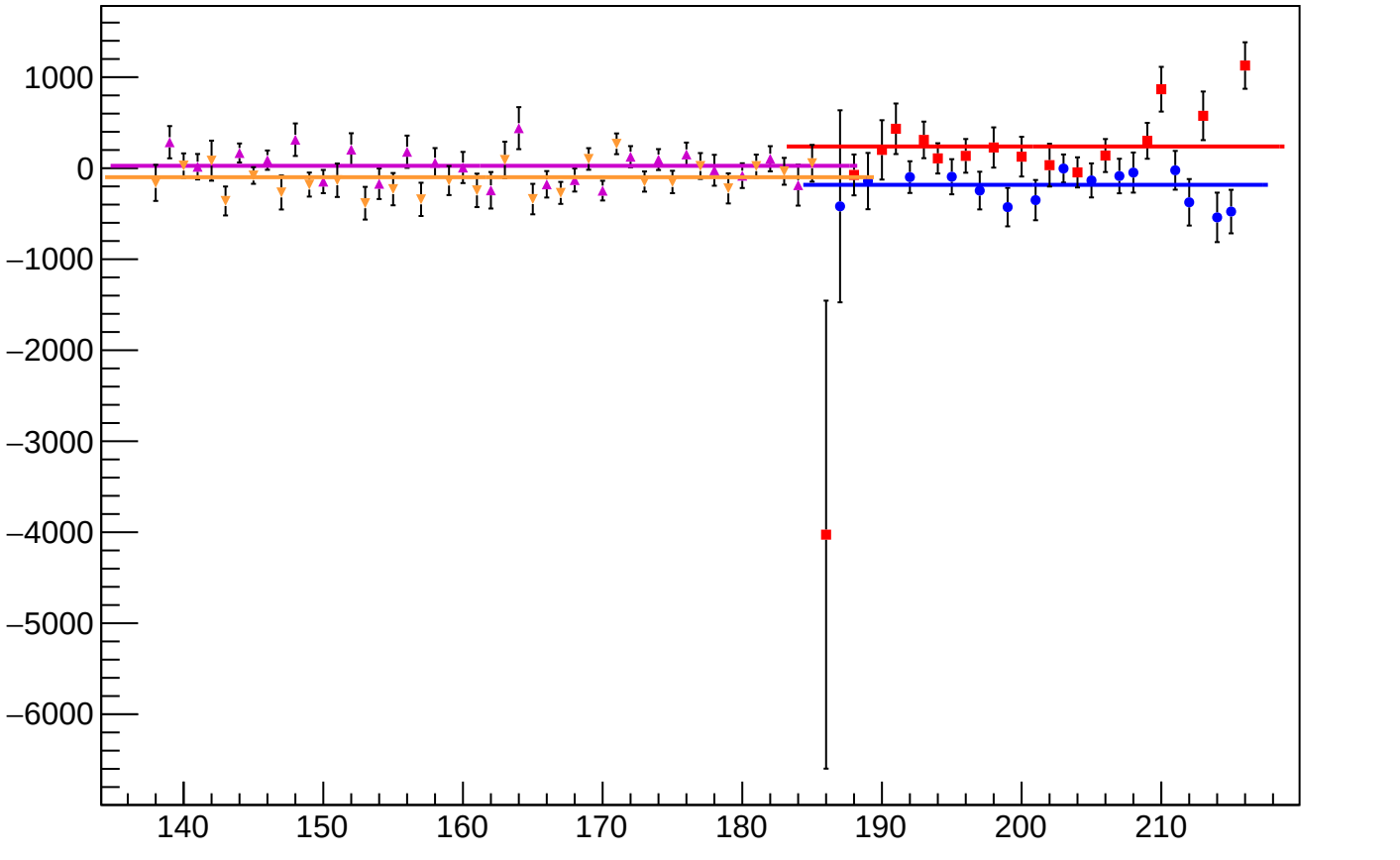
Left: 38.004+/-0.005 χ^2/NDF: 883742.3/47

Right: 48.994+/-0.008 χ^2/NDF: 953929.3/30

In: 40.908+/-0.006 χ^2/NDF:1276330.7/37

Out: 40.869+/-0.005 χ^2/NDF:2117102.0/40

All: 40.888+/-0.004 χ^2/NDF: 3393457.3/78



Right In: -182.619+/-55.504 χ^2/NDF: 8.9/14

Left Out: -98.741+/-29.095 χ^2/NDF:32.7/24

Right Out: 238.870+/-54.998 χ^2/NDF: 30.9/15

Left In: 26.223+/-29.676 χ^2/NDF:30.7/22

Left: -37.493+/-20.776 χ^2/NDF: 72.5/47

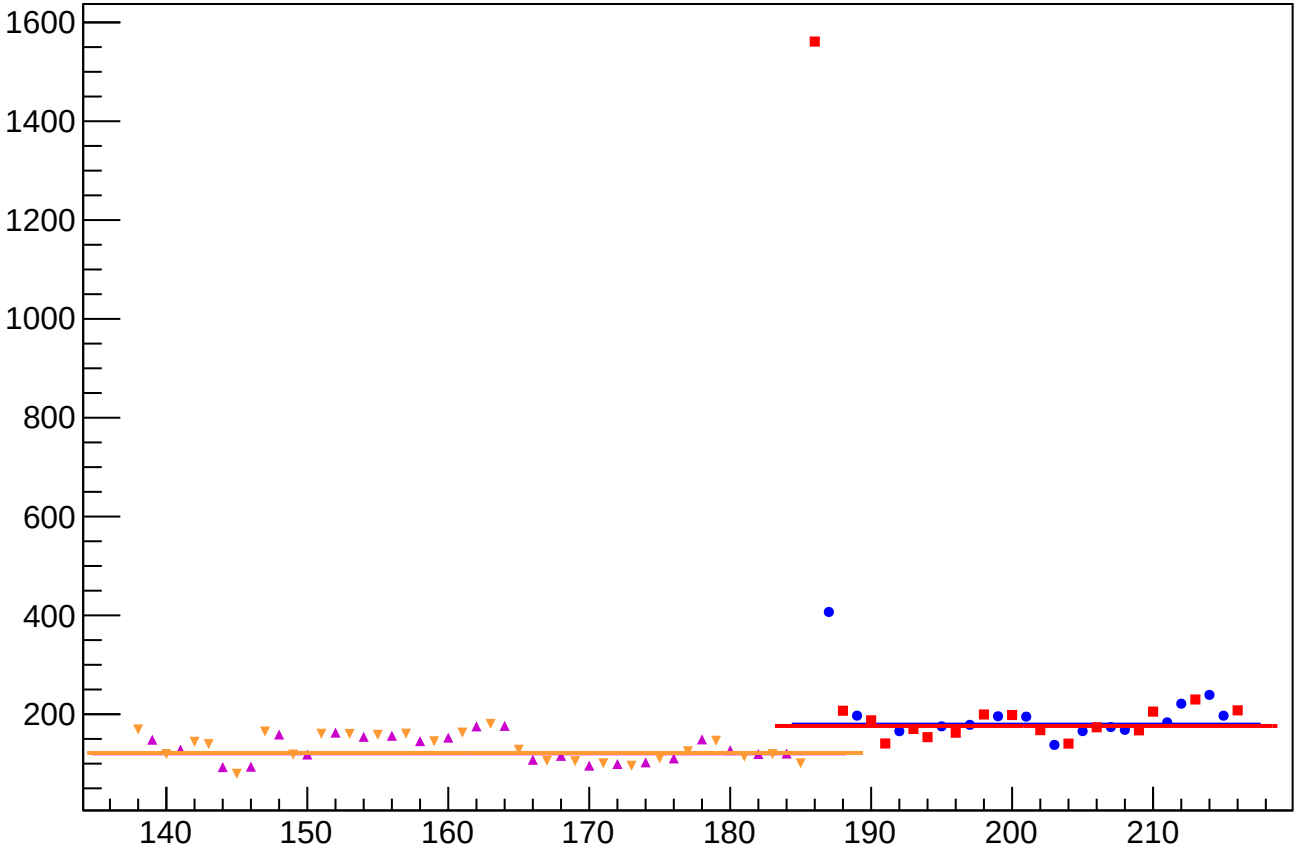
Right: 30.059+/-39.067 χ^2/NDF: 68.9/30

In: -20.204+/-26.170 χ^2/NDF:50.6/37

Out: -24.915+/-25.718 χ^2/NDF:93.1/40

All: -22.601+/-18.343 χ^2/NDF: 143.7/78

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 178.897+/-0.039 χ^2/NDF: 458672.0/14

Left Out: 121.592+/-0.021 χ^2/NDF:1711423.9/24

Right Out: 176.207+/-0.039 χ^2/NDF: 984350.3/15

Left In: 120.927+/-0.021 χ^2/NDF:1382861.4/22

Left: 121.266+/-0.015 χ^2/NDF: 3094797.5/47

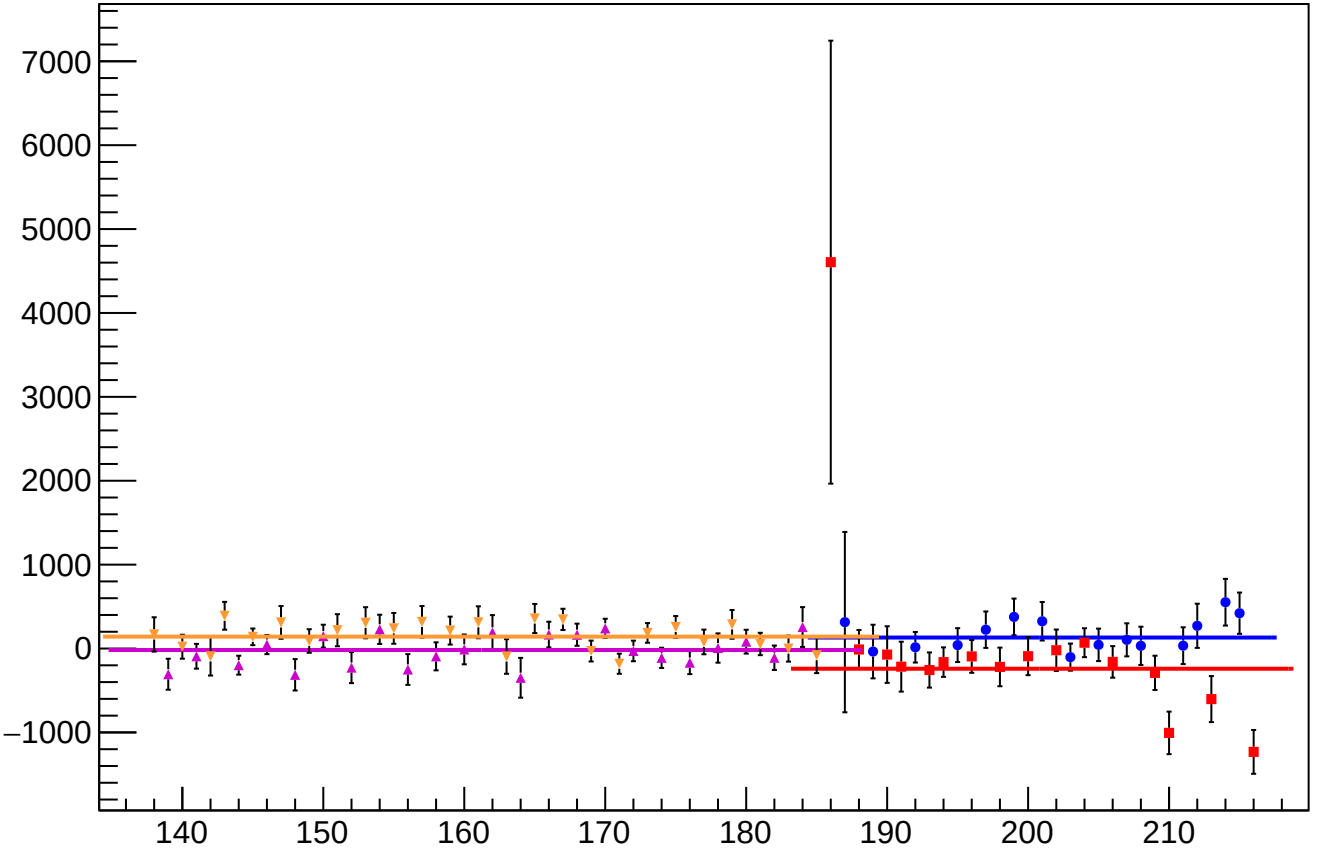
Right: 177.540+/-0.028 χ^2/NDF: 1445392.5/30

In: 133.814+/-0.019 χ^2/NDF:3538195.6/37

Out: 133.535+/-0.018 χ^2/NDF:4236792.6/40

All: 133.672+/-0.013 χ^2/NDF: 7775104.1/78

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 130.999+/-57.626 χ^2/NDF: 9.7/14

Left Out: 142.014+/-30.574 χ^2/NDF:26.9/24

Right Out: -240.644+/-57.329 χ^2/NDF: 35.3/15

Left In: -17.679+/-31.209 χ^2/NDF:30.1/22

Left: 63.807+/-21.840 χ^2/NDF: 70.4/47

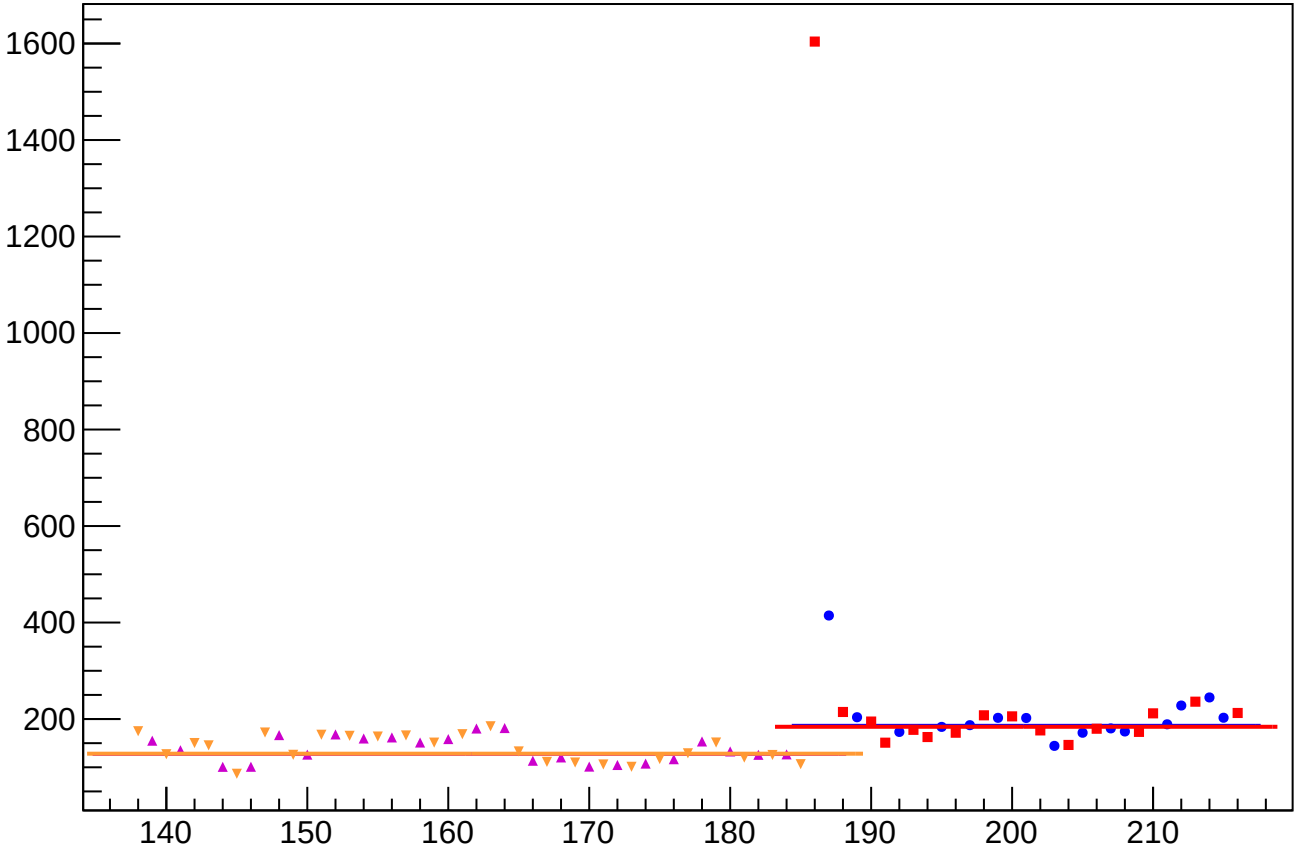
Right: -55.782+/-40.642 χ^2/NDF: 66.0/30

In: 16.039+/-27.443 χ^2/NDF:45.0/37

Out: 57.279+/-26.978 χ^2/NDF:96.9/40

All: 37.011+/-19.238 χ^2/NDF: 143.1/78

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 185.919+/-0.041 χ^2/NDF: 428298.4/14

Left Out: 128.175+/-0.022 χ^2/NDF:1532922.0/24

Right Out: 183.958+/-0.041 χ^2/NDF: 942073.0/15

Left In: 127.544+/-0.022 χ^2/NDF:1235705.3/22

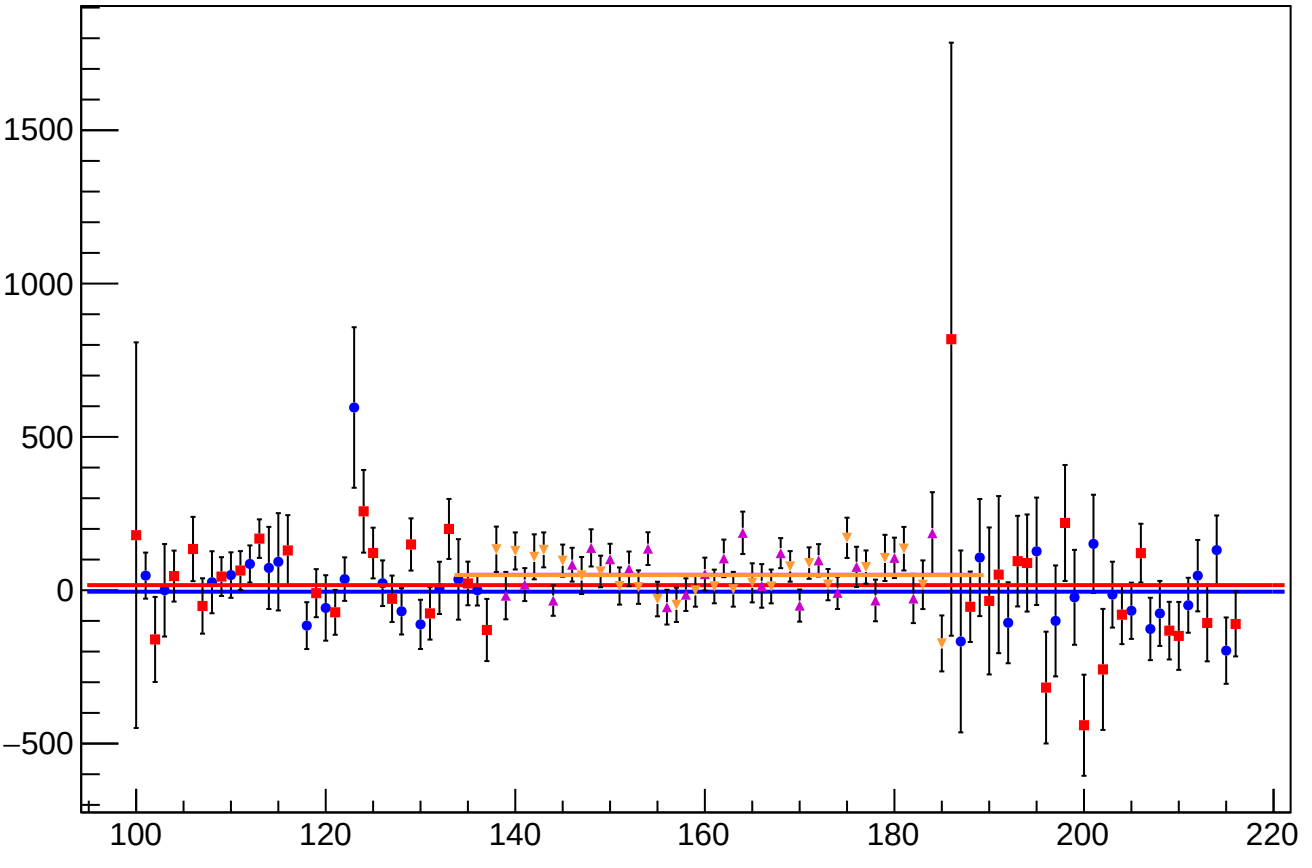
Left: 127.866+/-0.015 χ^2/NDF: 2769045.1/47

Right: 184.933+/-0.029 χ^2/NDF: 1371535.5/30

In: 140.782+/-0.019 χ^2/NDF:3250908.1/37

Out: 140.528+/-0.019 χ^2/NDF:3949236.8/40

All: 140.653+/-0.014 χ^2/NDF: 7200232.6/78



Right In: -4.719+/-17.031 χ^2/NDF: 25.2/31

Left Out: 49.402+/-11.806 χ^2/NDF:28.1/24

Right Out: 16.640+/-16.850 χ^2/NDF: 52.2/34

Left In: 50.331+/-12.253 χ^2/NDF:32.2/22

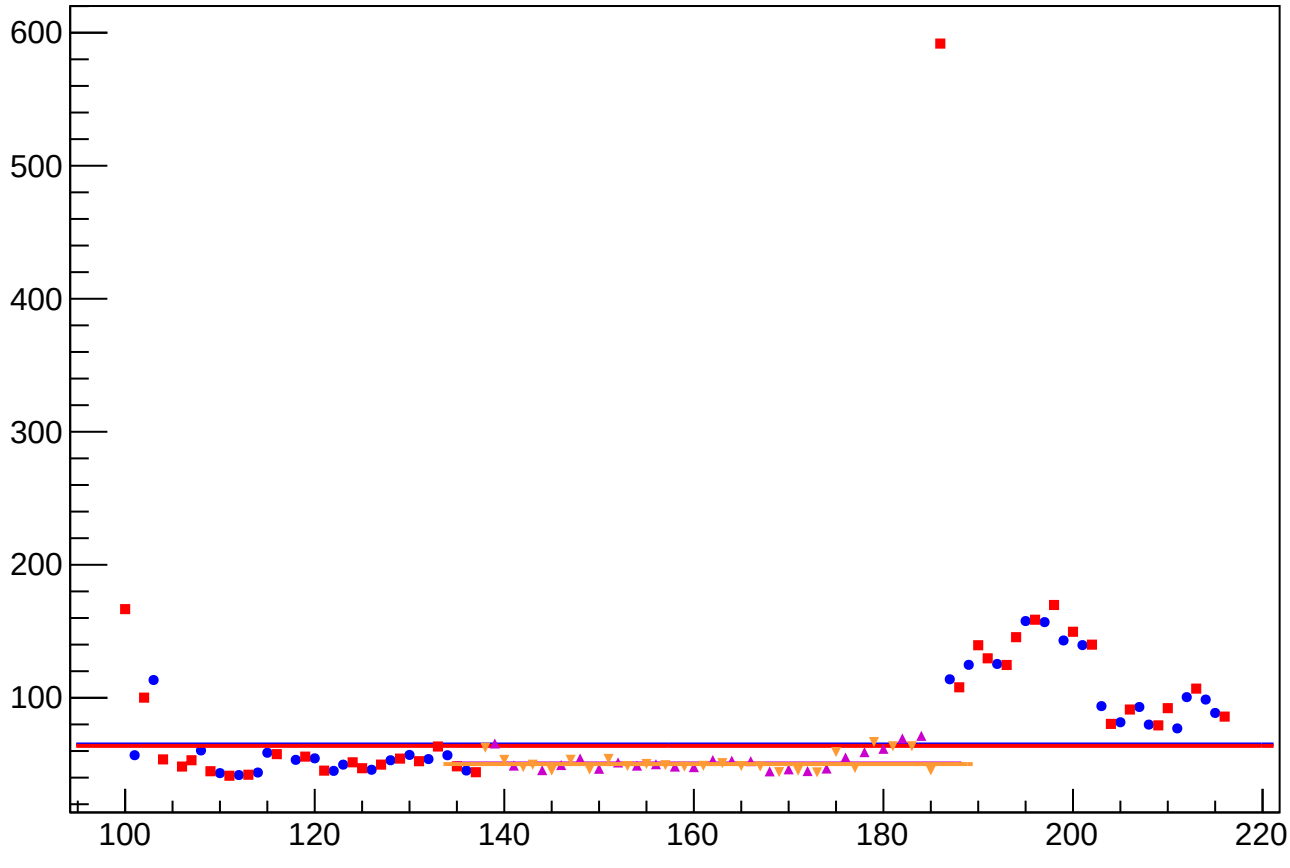
Left: 49.849+/-8.502 χ^2/NDF: 60.3/47

Right: 6.075+/-11.978 χ^2/NDF: 78.2/66

In: 31.554+/-9.946 χ^2/NDF:64.2/54

Out: 38.615+/-9.669 χ^2/NDF:82.8/59

All: 35.184+/-6.933 χ^2/NDF: 147.3/114



Right In: 64.914+/-0.012 χ^2/NDF: 5119465.0/31

Left Out: 50.189+/-0.008 χ^2/NDF:467679.2/24

Right Out: 63.885+/-0.012 χ^2/NDF: 6351896.3/34

Left In: 50.683+/-0.009 χ^2/NDF:469292.3/22

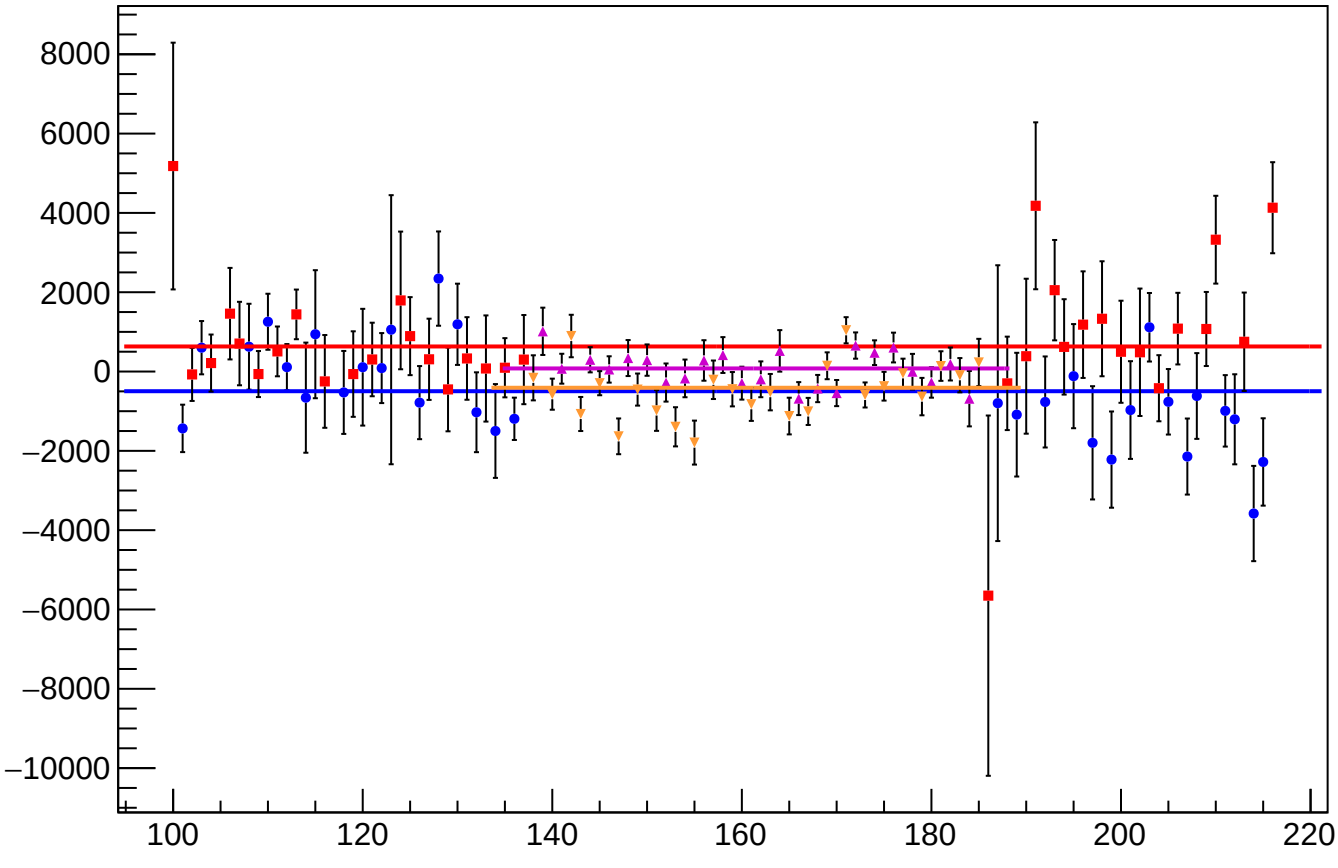
Left: 50.427+/-0.006 χ^2/NDF: 938655.0/47

Right: 64.394+/-0.008 χ^2/NDF: 11475050.4/66

In: 55.537+/-0.007 χ^2/NDF:6508840.1/54

Out: 54.699+/-0.007 χ^2/NDF:7705772.7/59

All: 55.106+/-0.005 χ^2/NDF: 14221917.8/114



Right In: -496.035+/-170.338 χ^2/NDF: 46.0/31

Left Out: -409.164+/-82.348 χ^2/NDF:61.7/24

Right Out: 632.131+/-169.886 χ^2/NDF: 35.2/34

Left In: 77.872+/-84.072 χ^2/NDF:24.8/22

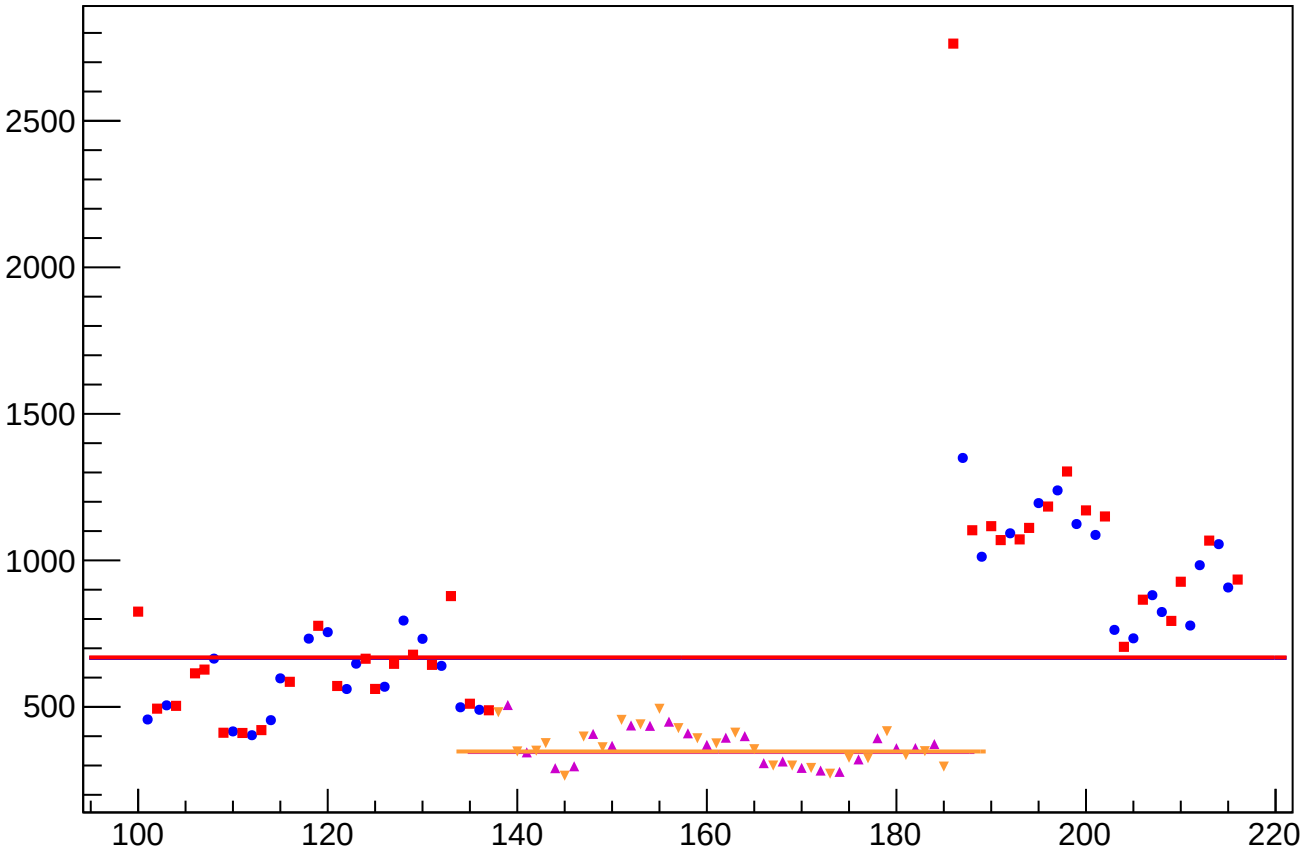
Left: -170.691+/-58.829 χ^2/NDF: 103.6/47

Right: 69.549+/-120.287 χ^2/NDF: 103.3/66

In: -34.548+/-75.390 χ^2/NDF:80.0/54

Out: -211.049+/-74.102 χ^2/NDF:127.3/59

All: -124.319+/-52.847 χ^2/NDF: 210.1/114



Right In: 667.097+/-0.120 χ^2/NDF: 3716048.8/31

Left Out: 347.875+/-0.058 χ^2/NDF:1044096.7/24

Right Out: 668.888+/-0.120 χ^2/NDF: 4630677.3/34

Left In: 345.954+/-0.059 χ^2/NDF:900847.0/22

Left: 346.935+/-0.042 χ^2/NDF: 1945476.7/47

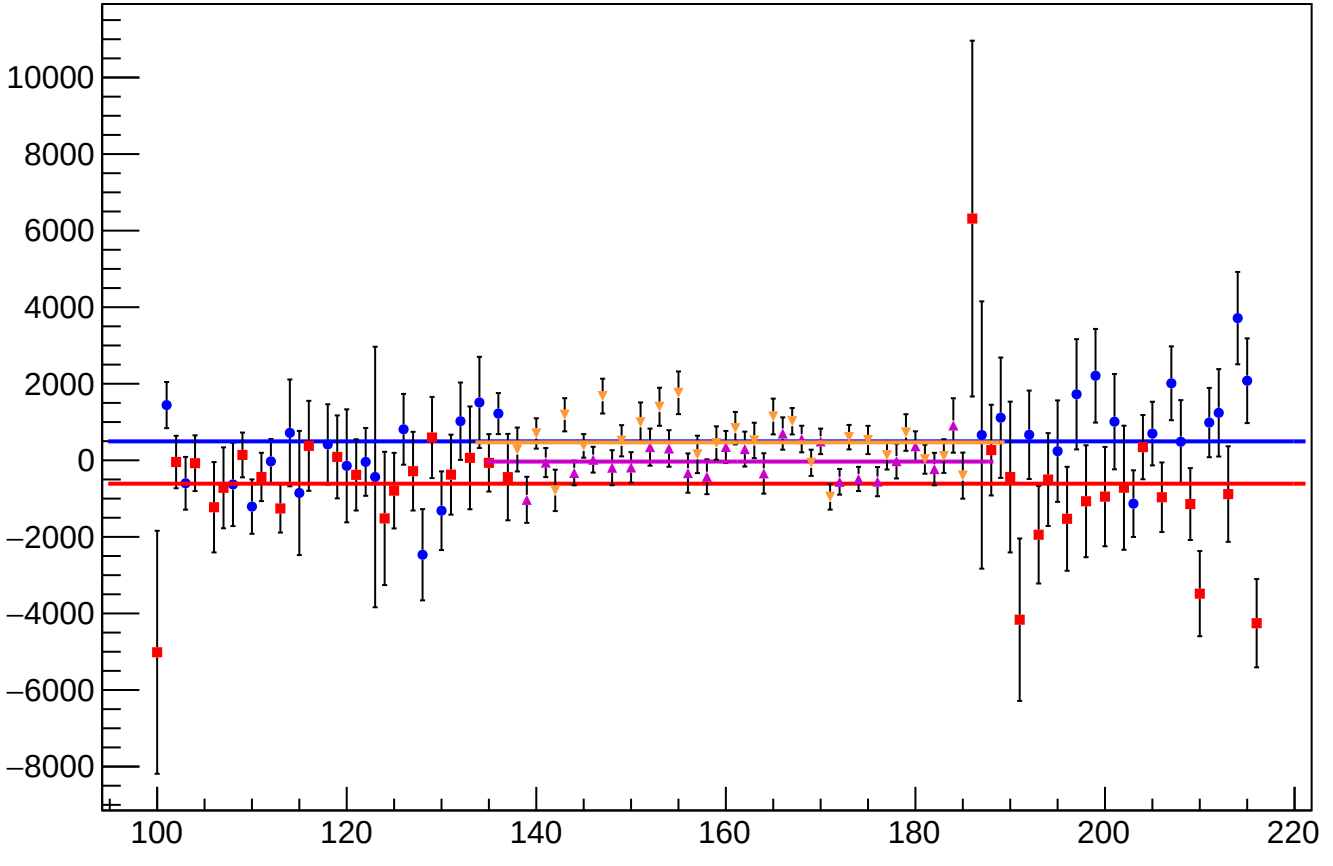
Right: 667.995+/-0.085 χ^2/NDF: 8346836.9/66

In: 408.861+/-0.053 χ^2/NDF:10333276.5/54

Out: 408.950+/-0.052 χ^2/NDF:11457167.7/59

All: 408.907+/-0.037 χ^2/NDF: 21790445.6/11

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 495.363+/-171.514 χ^2/NDF: 45.2/31

Left Out: 468.863+/-83.295 χ^2/NDF:57.5/24

Right Out: -610.172+/-171.149 χ^2/NDF: 35.7/34

Left In: -32.801+/-85.064 χ^2/NDF:25.7/22

Left: 223.299+/-59.514 χ^2/NDF: 100.9/47

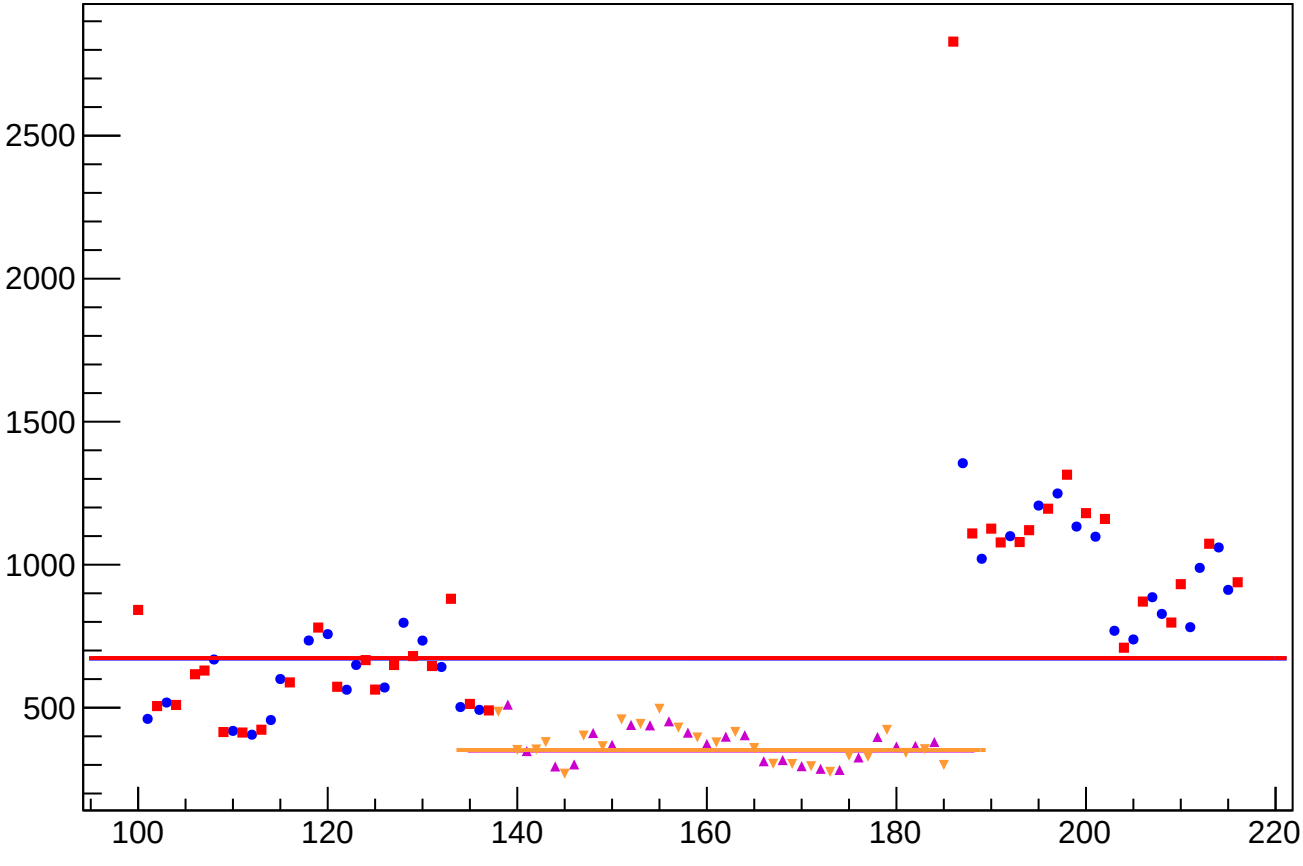
Right: -58.581+/-121.150 χ^2/NDF: 101.7/66

In: 71.466+/-76.206 χ^2/NDF:78.5/54

Out: 262.227+/-74.896 χ^2/NDF:125.4/59

All: 168.500+/-53.417 χ^2/NDF: 207.0/114

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 671.816+/-0.121 χ^2/NDF: 3706218.5/31

Left Out: 352.015+/-0.059 χ^2/NDF:1017195.6/24

Right Out: 673.692+/-0.121 χ^2/NDF: 4627131.5/34

Left In: 350.160+/-0.060 χ^2/NDF:878380.0/22

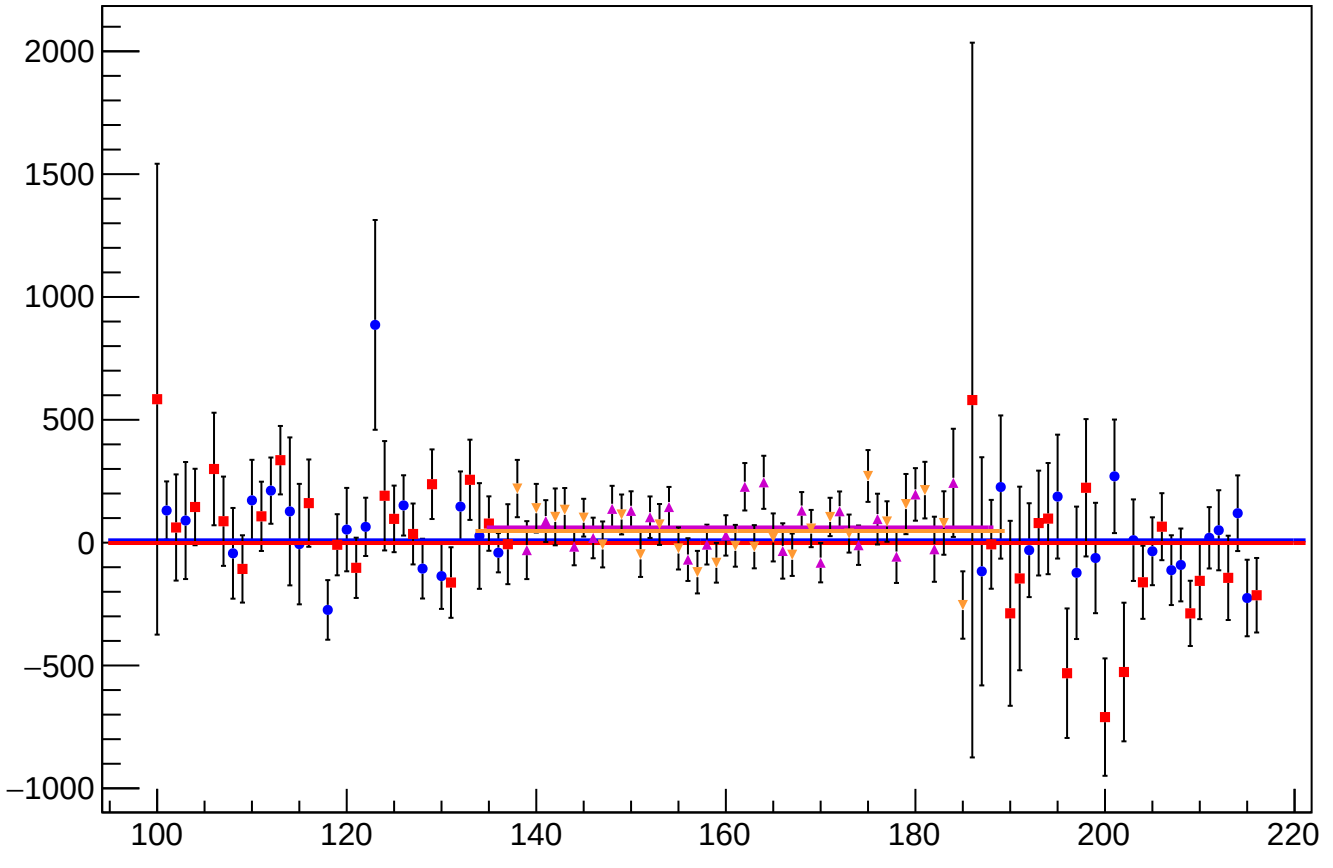
Left: 351.107+/-0.042 χ^2/NDF: 1896060.8/47

Right: 672.756+/-0.086 χ^2/NDF: 8333469.8/66

In: 413.660+/-0.054 χ^2/NDF:10230134.6/54

Out: 413.616+/-0.053 χ^2/NDF:11356481.1/59

All: 413.638+/-0.038 χ^2/NDF: 21586616.0/11



Right In: 9.386+/-27.585 χ^2/NDF: 26.3/31

Left Out: 47.426+/-18.253 χ^2/NDF:29.4/24

Right Out: -1.437+/-28.352 χ^2/NDF: 48.2/34

Left In: 61.830+/-18.958 χ^2/NDF:24.0/22

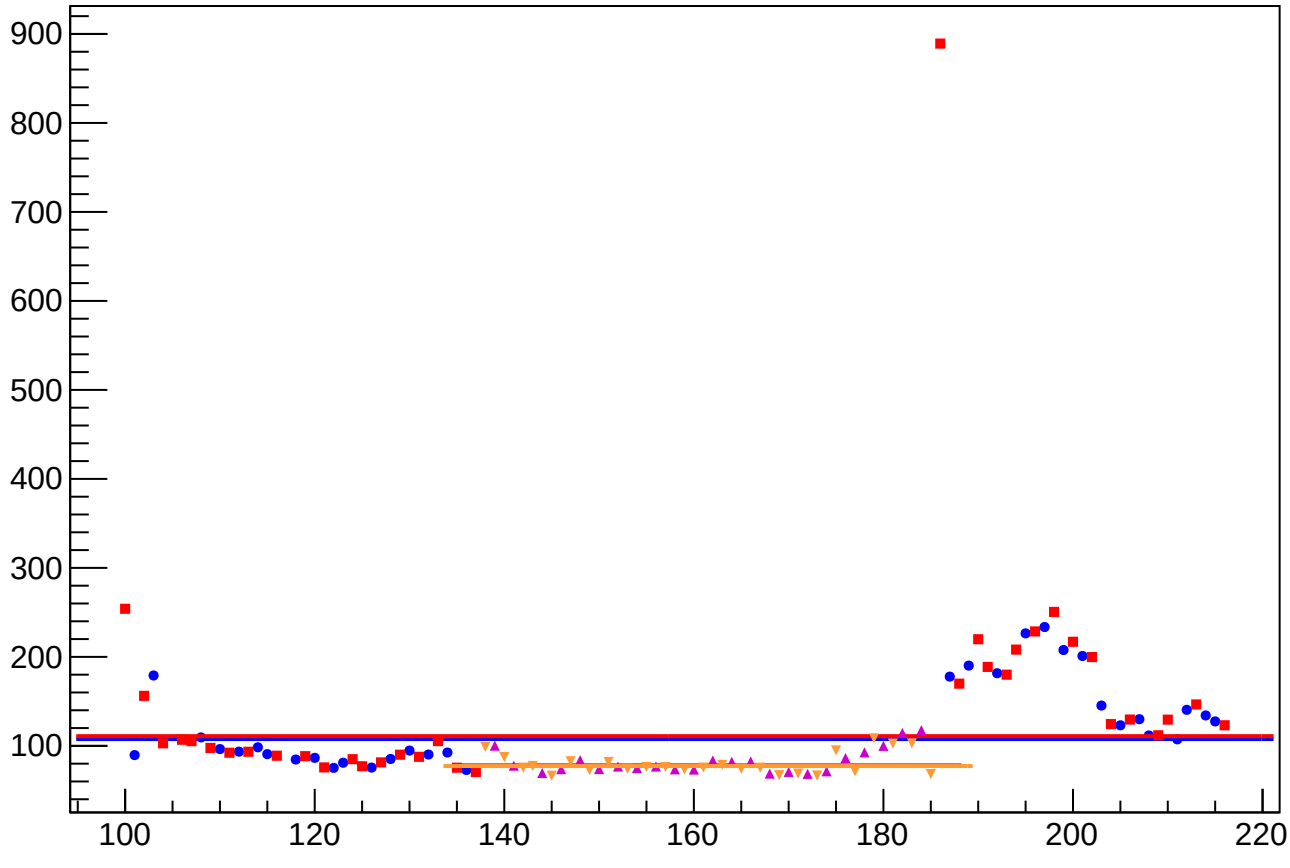
Left: 54.355+/-13.149 χ^2/NDF: 53.7/47

Right: 4.123+/-19.771 χ^2/NDF: 74.5/66

In: 45.006+/-15.624 χ^2/NDF:52.7/54

Out: 33.108+/-15.347 χ^2/NDF:79.7/59

All: 38.951+/-10.949 χ^2/NDF: 132.6/114



Right In: 107.668+/-0.020 χ^2/NDF: 3629240.6/31

Left Out: 77.316+/-0.013 χ^2/NDF:635622.3/24

Right Out: 110.922+/-0.020 χ^2/NDF: 4464713.5/34

Left In: 78.139+/-0.013 χ^2/NDF:582108.1/22

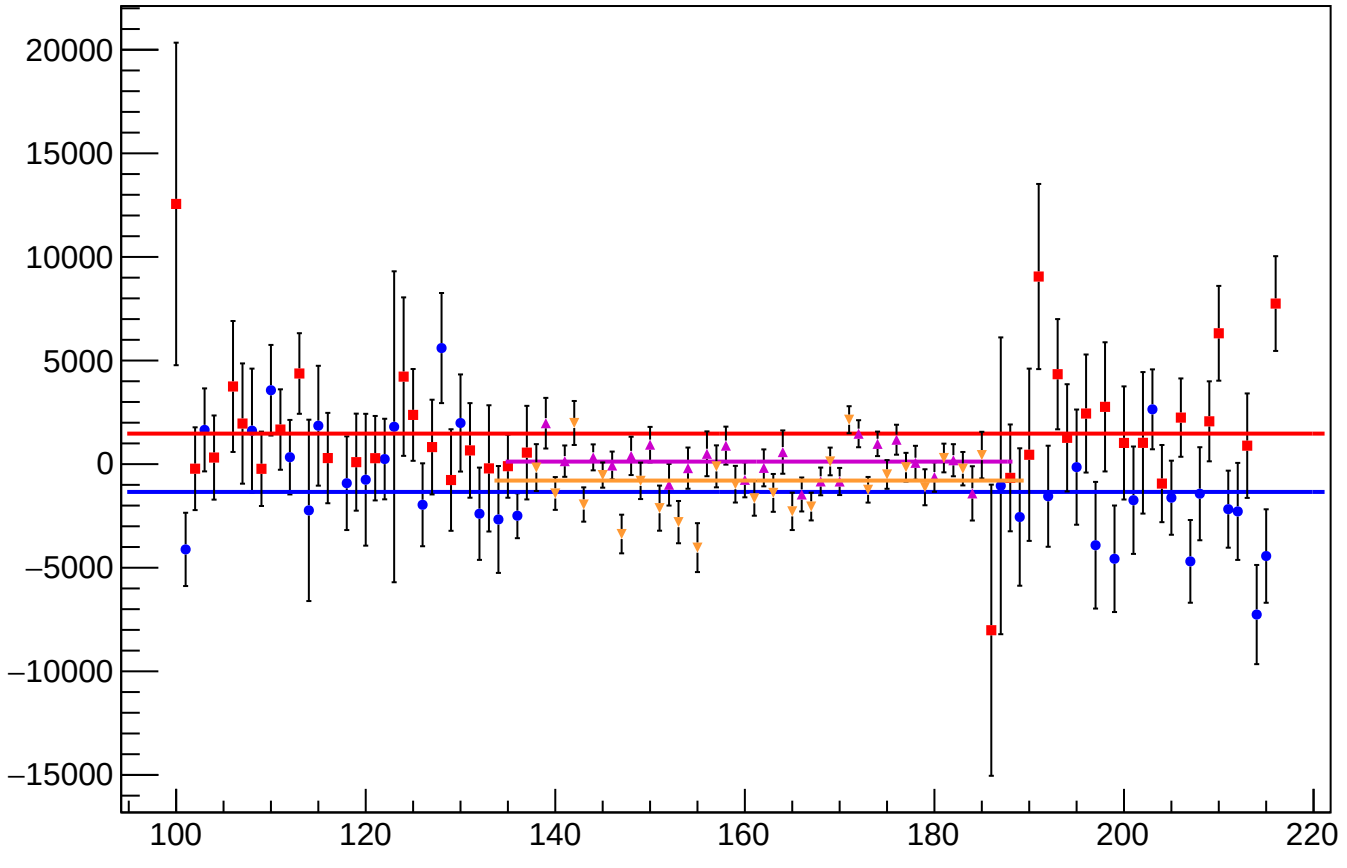
Left: 77.712+/-0.009 χ^2/NDF: 1219684.1/47

Right: 109.250+/-0.014 χ^2/NDF: 8107486.1/66

In: 87.612+/-0.011 χ^2/NDF:5768050.2/54

Out: 87.163+/-0.011 χ^2/NDF:7086859.1/59

All: 87.383+/-0.008 χ^2/NDF: 12855748.1/114



Right In: -1341.666+/-394.896 χ^2/NDF: 42.4/31

Left Out: -792.776+/-162.659 χ^2/NDF:66.6/24

Right Out: 1473.230+/-403.223 χ^2/NDF: 31.9/34

Left In: 122.198+/-166.193 χ^2/NDF:25.9/22

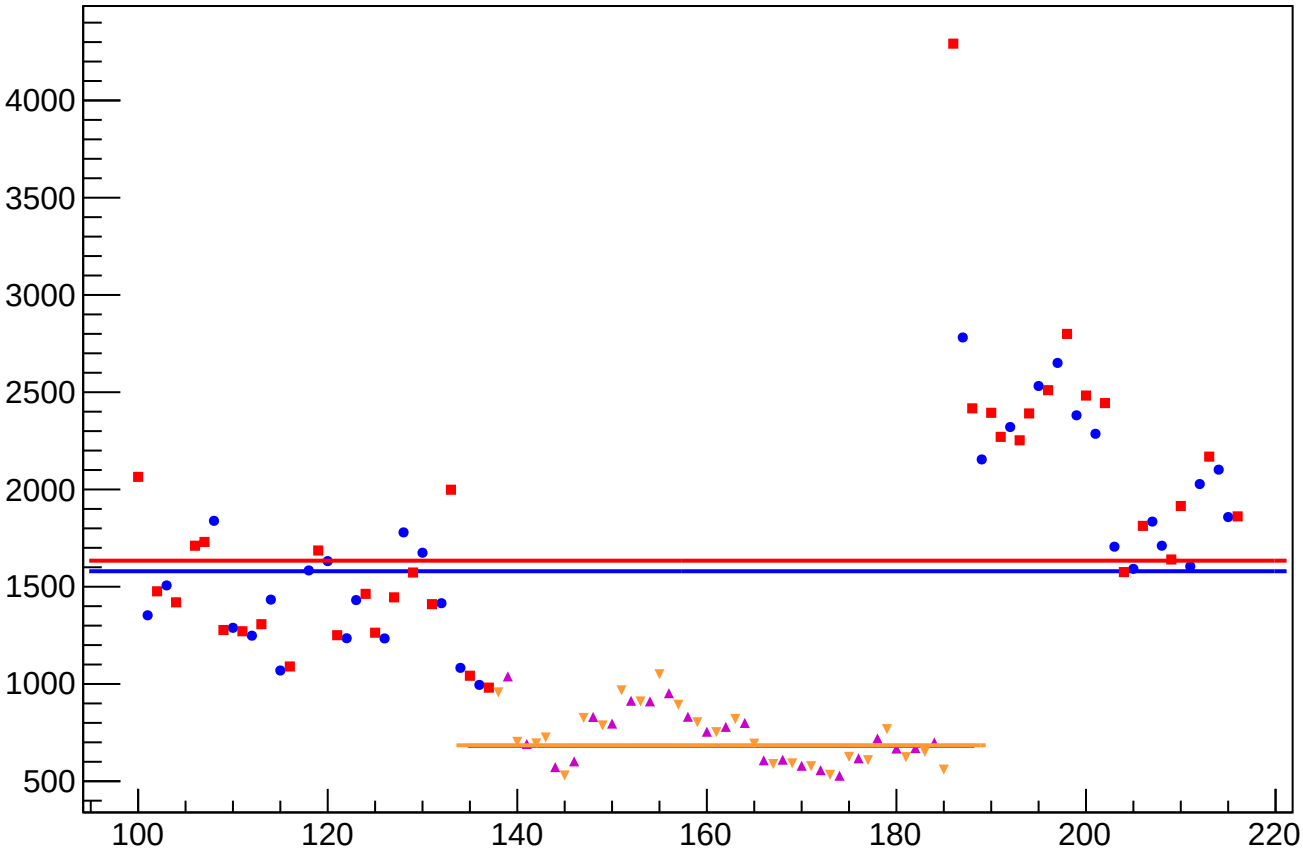
Left: -345.122+/-116.247 χ^2/NDF: 108.0/47

Right: 36.417+/-282.132 χ^2/NDF: 99.2/66

In: -98.066+/-153.181 χ^2/NDF:80.0/54

Out: -475.639+/-150.848 χ^2/NDF:125.7/59

All: -289.749+/-107.481 χ^2/NDF: 208.8/114



Right In: 1579.672+/-0.279 χ^2/NDF: 2394631.3/31

Left Out: 684.785+/-0.115 χ^2/NDF:1280146.2/24

Right Out: 1633.964+/-0.285 χ^2/NDF: 2829682.6/34

Left In: 681.712+/-0.118 χ^2/NDF:1119637.0/22

Left: 683.282+/-0.082 χ^2/NDF: 2400132.5/47

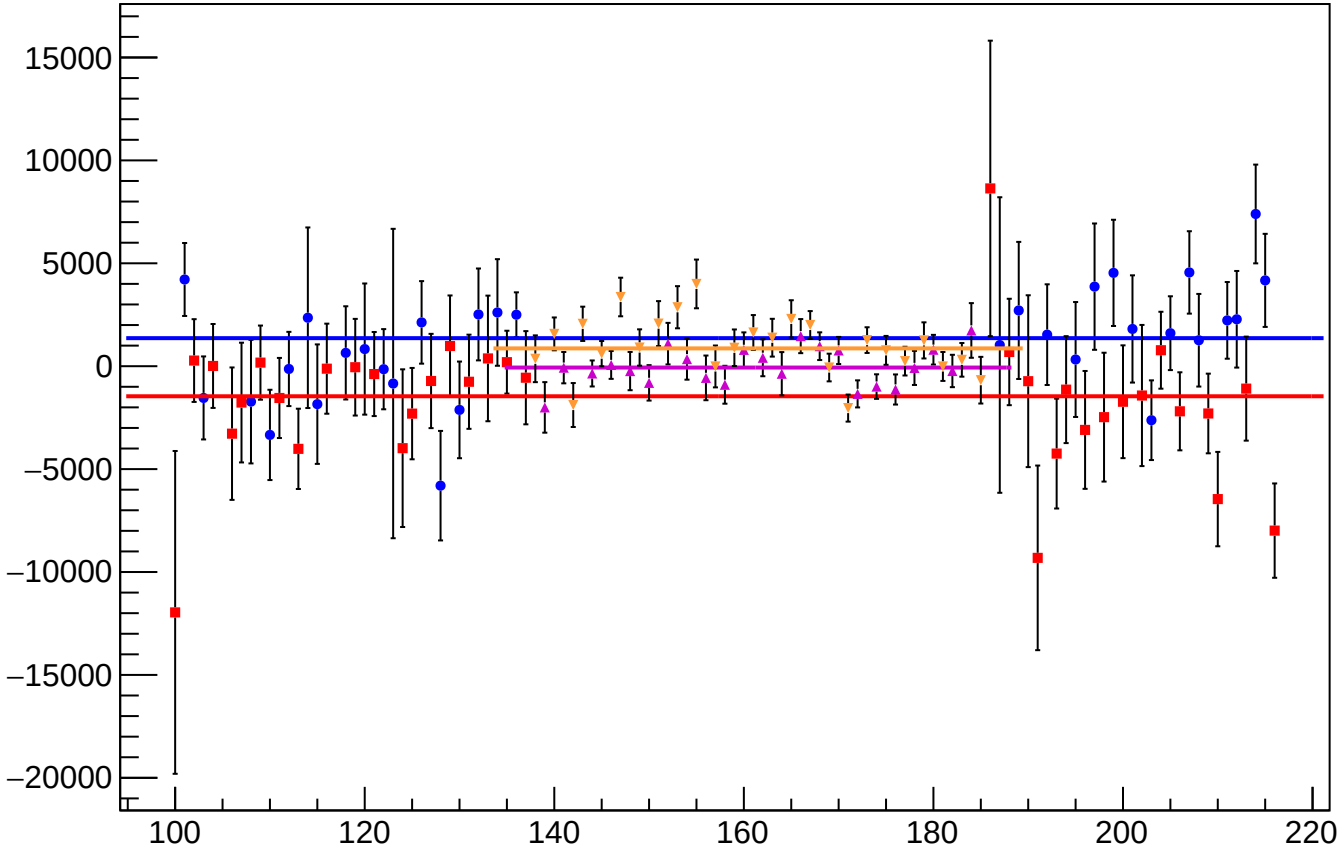
Right: 1606.252+/-0.199 χ^2/NDF: 5242821.8/66

In: 816.825+/-0.108 χ^2/NDF:12299586.5/54

Out: 817.626+/-0.107 χ^2/NDF:13641236.0/59

All: 817.232+/-0.076 χ^2/NDF: 25940850.3/11

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1362.969+/-396.072 χ^2/NDF: 41.8/31

Left Out: 865.597+/-163.885 χ^2/NDF:62.8/24

Right Out: -1460.837+/-404.567 χ^2/NDF: 32.4/34

Left In: -65.924+/-167.485 χ^2/NDF:26.4/22

Left: 409.953+/-117.136 χ^2/NDF: 105.1/47

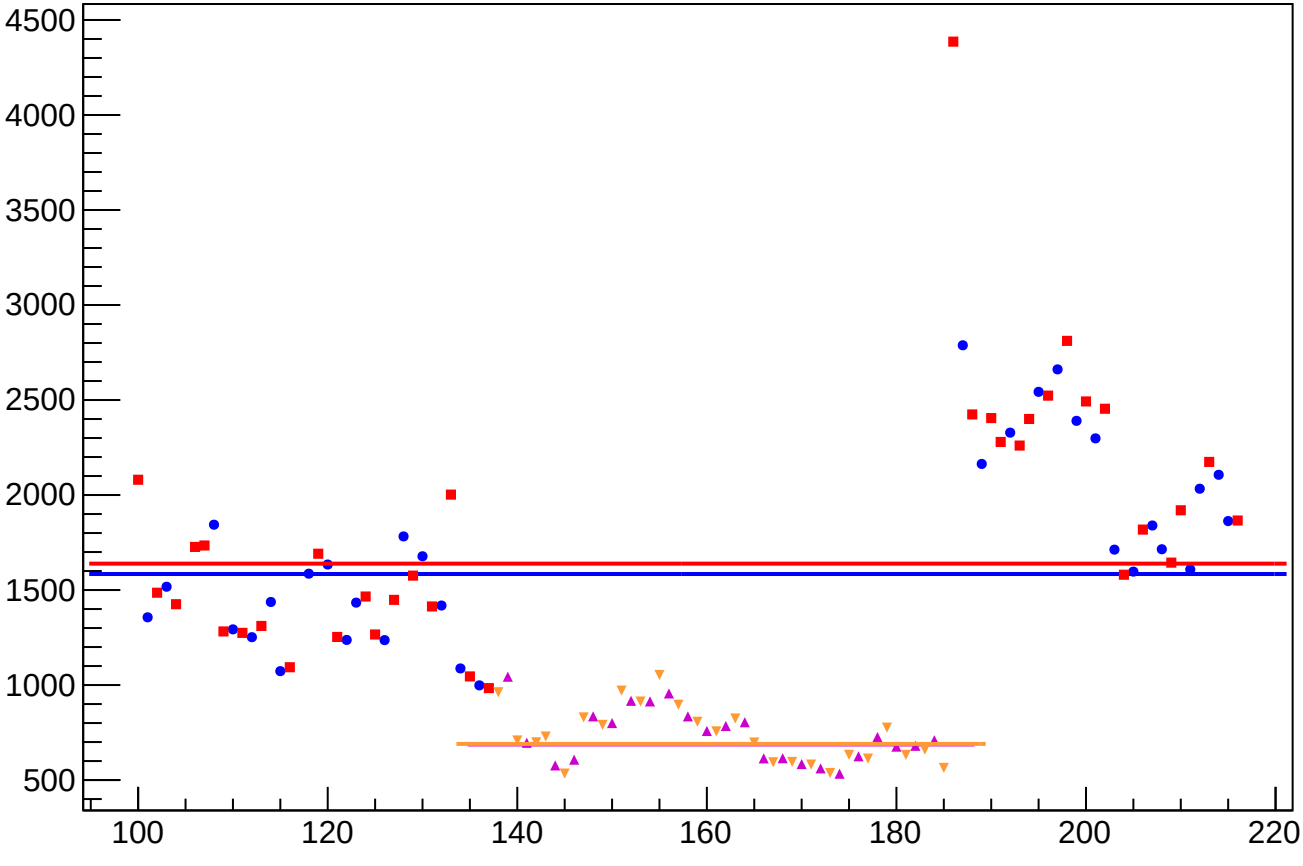
Right: -18.979+/-283.021 χ^2/NDF: 99.1/66

In: 150.824+/-154.260 χ^2/NDF:79.3/54

Out: 537.651+/-151.896 χ^2/NDF:123.6/59

All: 347.224+/-108.233 χ^2/NDF: 206.1/114

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1584.303+/-0.280 χ^2/NDF: 2397873.8/31

Left Out: 690.166+/-0.116 χ^2/NDF:1258158.2/24

Right Out: 1638.874+/-0.286 χ^2/NDF: 2841497.2/34

Left In: 687.216+/-0.118 χ^2/NDF:1099706.1/22

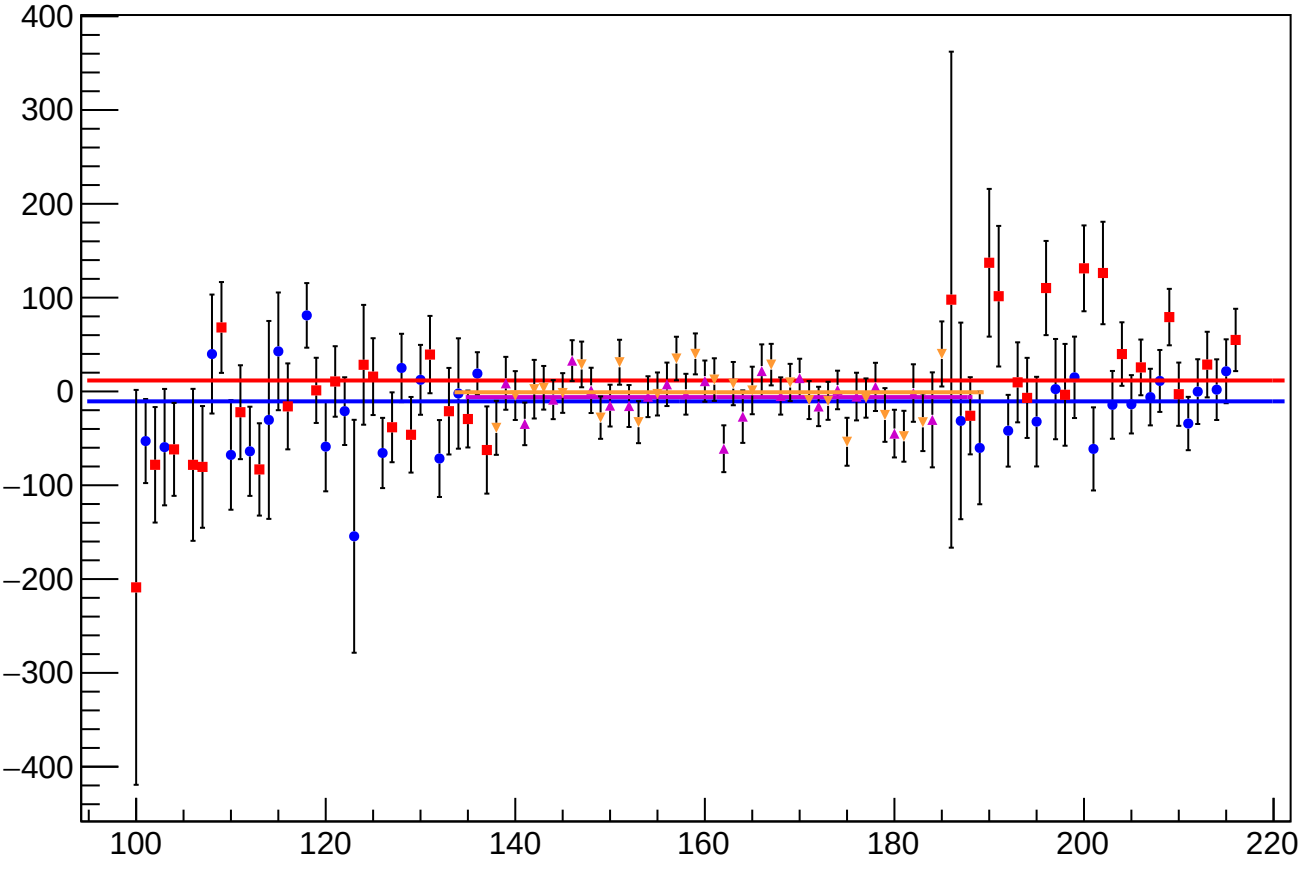
Left: 688.723+/-0.083 χ^2/NDF: 2358181.3/47

Right: 1611.010+/-0.200 χ^2/NDF: 5257951.3/66

In: 823.295+/-0.109 χ^2/NDF:12201291.4/54

Out: 823.901+/-0.107 χ^2/NDF:13547335.8/59

All: 823.603+/-0.077 χ^2/NDF: 25748642.9/1



Right In: -10.565+/-7.107 χ^2/NDF: 27.7/31

Left Out: -0.861+/-4.760 χ^2/NDF:27.9/24

Right Out: 11.684+/-7.366 χ^2/NDF: 52.3/34

Left In: -6.042+/-4.925 χ^2/NDF:16.9/22

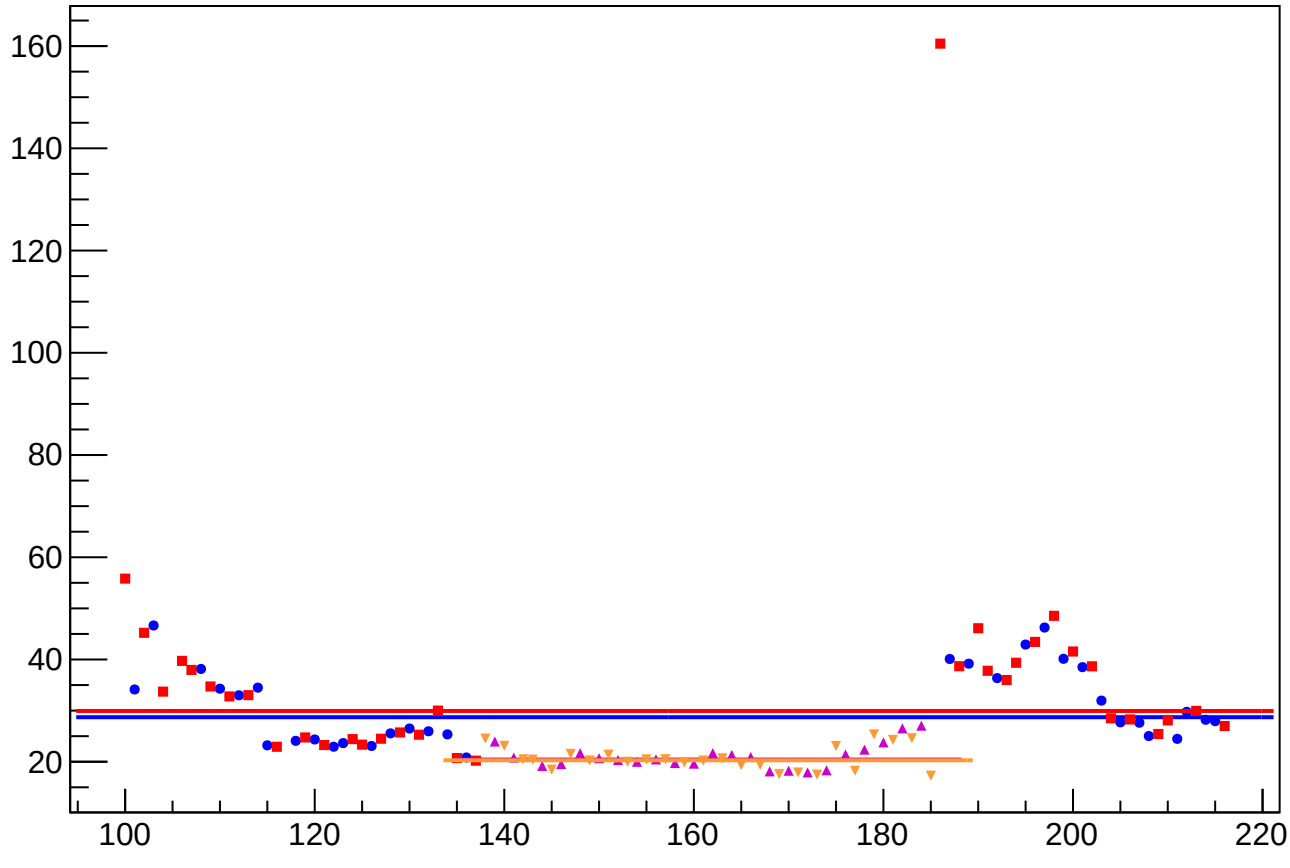
Left: -3.363+/-3.423 χ^2/NDF: 45.4/47

Right: 0.162+/-5.114 χ^2/NDF: 84.7/66

In: -7.509+/-4.048 χ^2/NDF:44.9/54

Out: 2.835+/-3.998 χ^2/NDF:82.2/59

All: -2.273+/-2.845 χ^2/NDF: 130.4/114



Right In: 28.708+/-0.005 χ^2/NDF: 1613721.0/31

Left Out: 20.279+/-0.003 χ^2/NDF:407056.4/24

Right Out: 29.931+/-0.005 χ^2/NDF: 2301657.2/34

Left In: 20.424+/-0.003 χ^2/NDF:323427.4/22

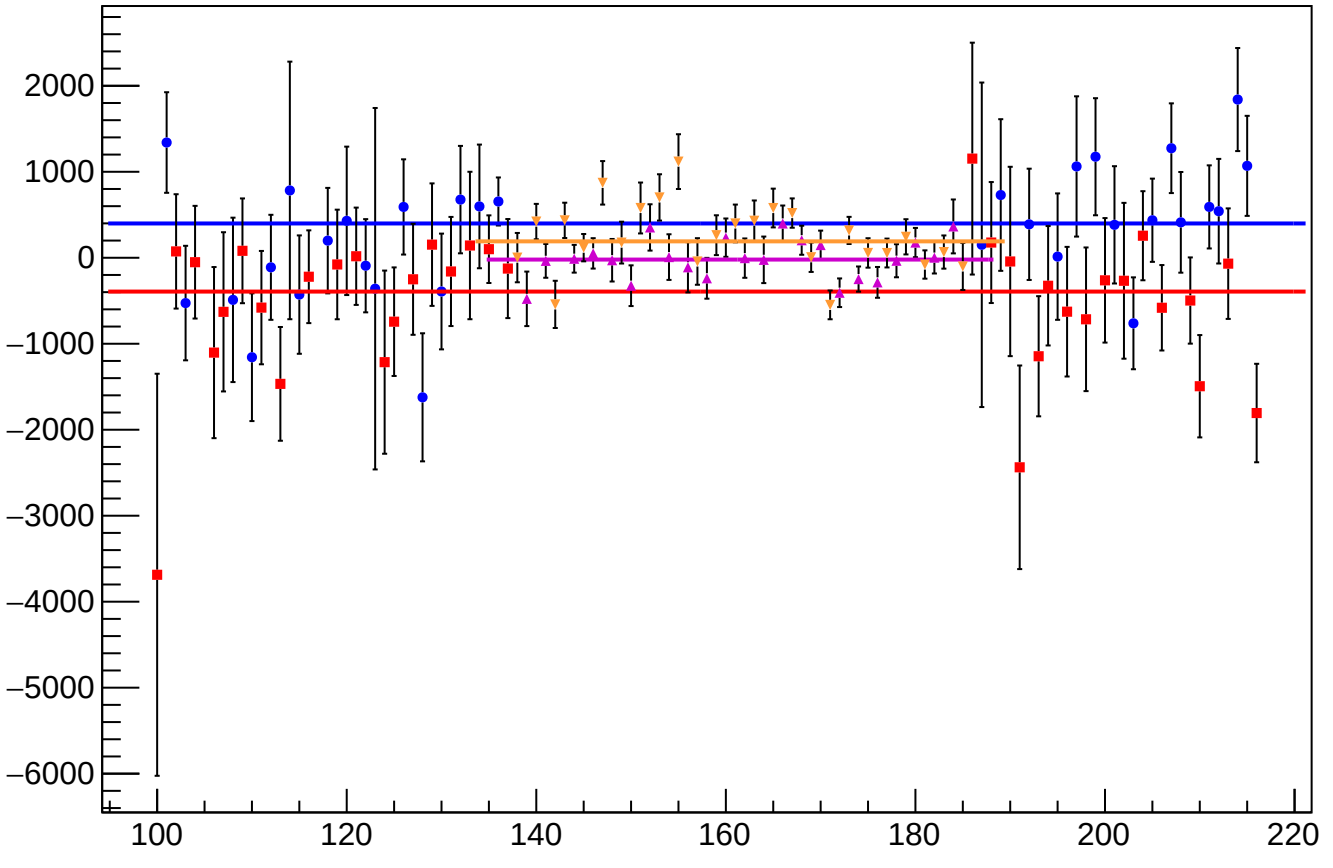
Left: 20.349+/-0.002 χ^2/NDF: 731373.7/47

Right: 29.297+/-0.004 χ^2/NDF: 3943907.9/66

In: 23.112+/-0.003 χ^2/NDF:3773000.0/54

Out: 23.123+/-0.003 χ^2/NDF:5130815.8/59

All: 23.117+/-0.002 χ^2/NDF: 8903823.2/114



Right In: 398.923+/-108.959 χ^2/NDF: 40.3/31

Left Out: 190.867+/-41.314 χ^2/NDF:67.9/24

Right Out: -393.253+/-112.555 χ^2/NDF: 29.4/34

Left In: -20.998+/-42.291 χ^2/NDF:27.7/22

Left: 87.410+/-29.553 χ^2/NDF: 108.4/47

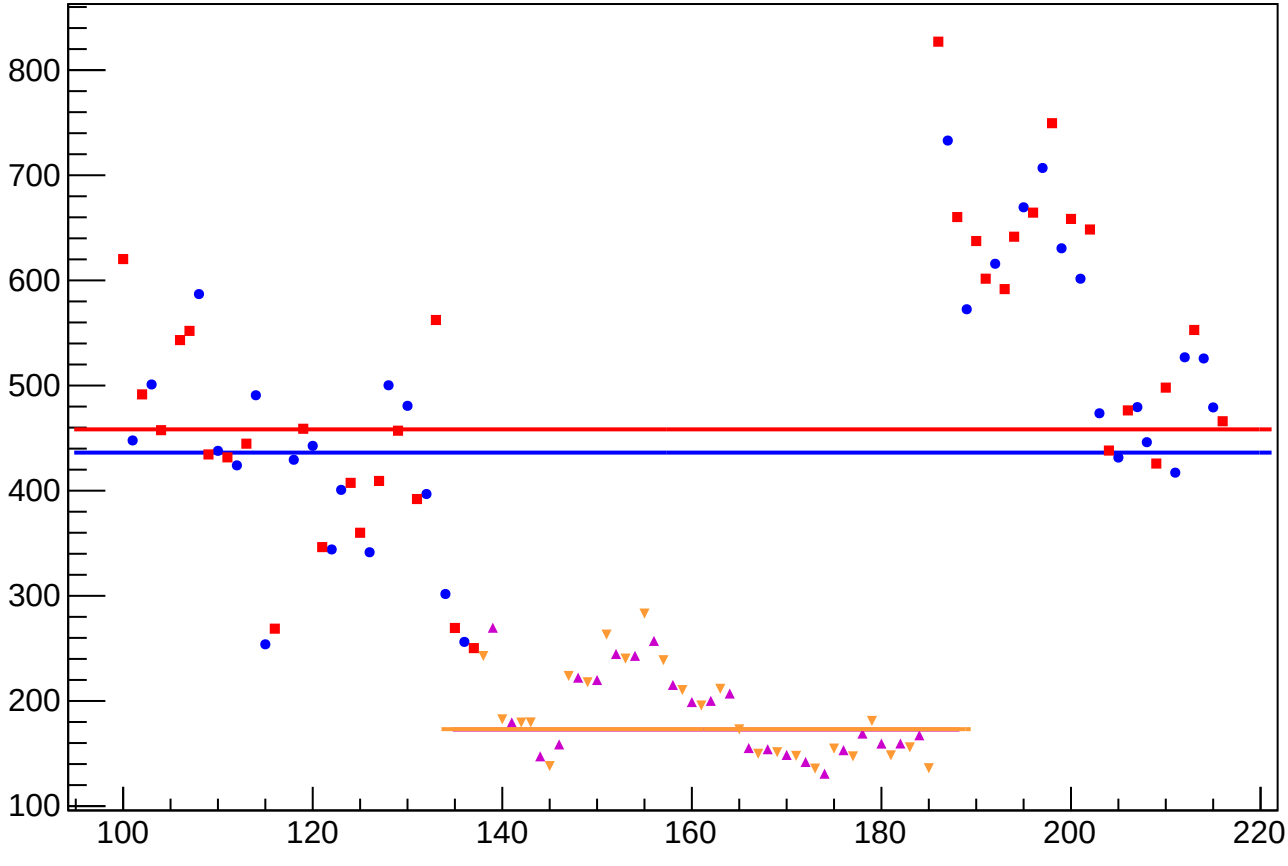
Right: 15.693+/-78.286 χ^2/NDF: 95.3/66

In: 33.980+/-39.425 χ^2/NDF:80.9/54

Out: 121.513+/-38.784 χ^2/NDF:121.0/59

All: 78.464+/-27.648 χ^2/NDF: 204.4/114

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 436.217+/-0.077 χ^2/NDF: 2343515.2/31

Left Out: 173.210+/-0.029 χ^2/NDF:1561250.6/24

Right Out: 458.323+/-0.080 χ^2/NDF: 2528719.8/34

Left In: 172.828+/-0.030 χ^2/NDF:1372131.7/22

Left: 173.023+/-0.021 χ^2/NDF: 2933465.9/47

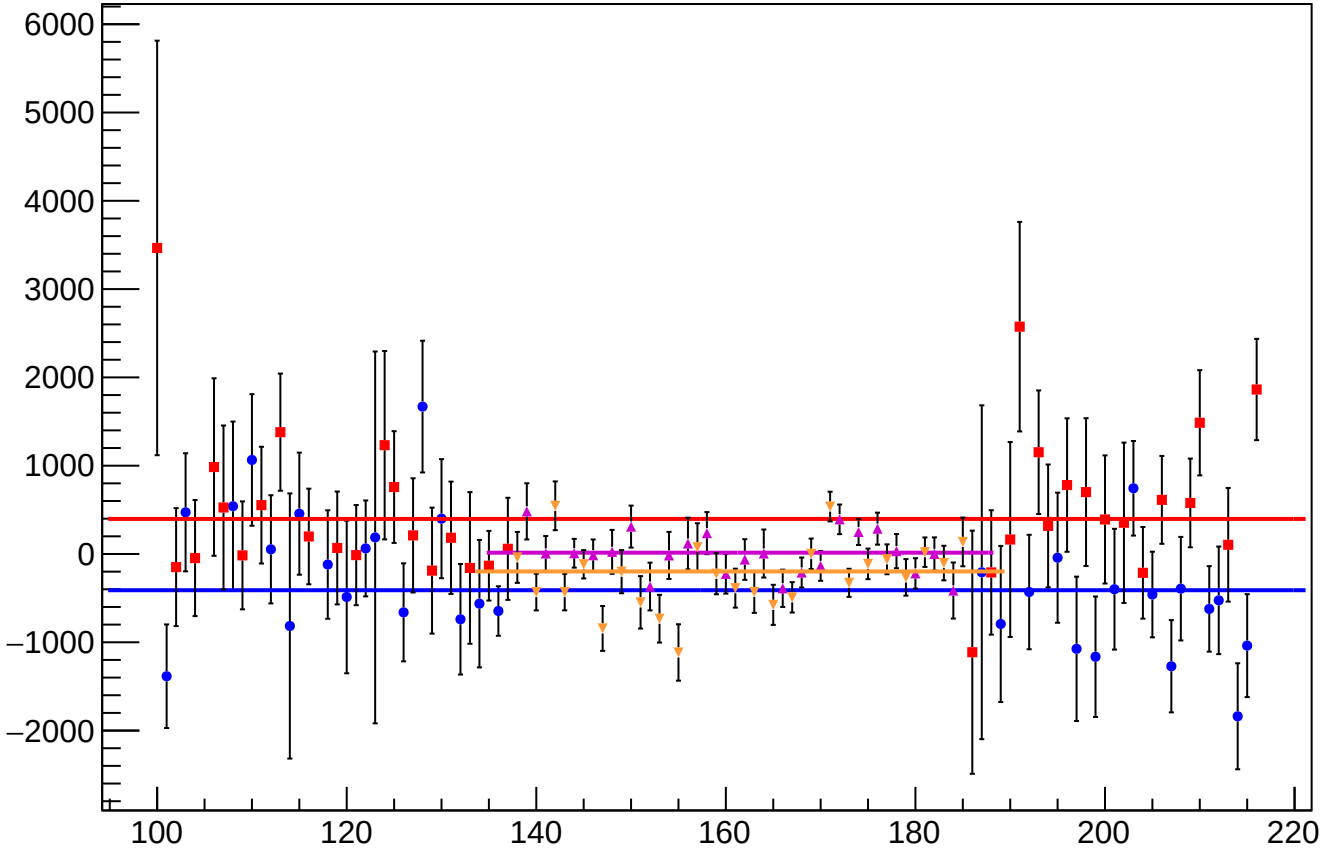
Right: 446.911+/-0.055 χ^2/NDF: 4912059.1/66

In: 207.312+/-0.028 χ^2/NDF:13872530.4/54

Out: 207.062+/-0.027 χ^2/NDF:15399446.8/59

All: 207.185+/-0.020 χ^2/NDF: 29272018.0/1

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -410.501+/-109.230 χ^2/NDF: 39.9/31

Left Out: -197.918+/-41.638 χ^2/NDF:64.3/24

Right Out: 397.050+/-112.857 χ^2/NDF: 29.9/34

Left In: 14.616+/-42.629 χ^2/NDF:27.7/22

Left: -94.151+/-29.787 χ^2/NDF: 104.7/47

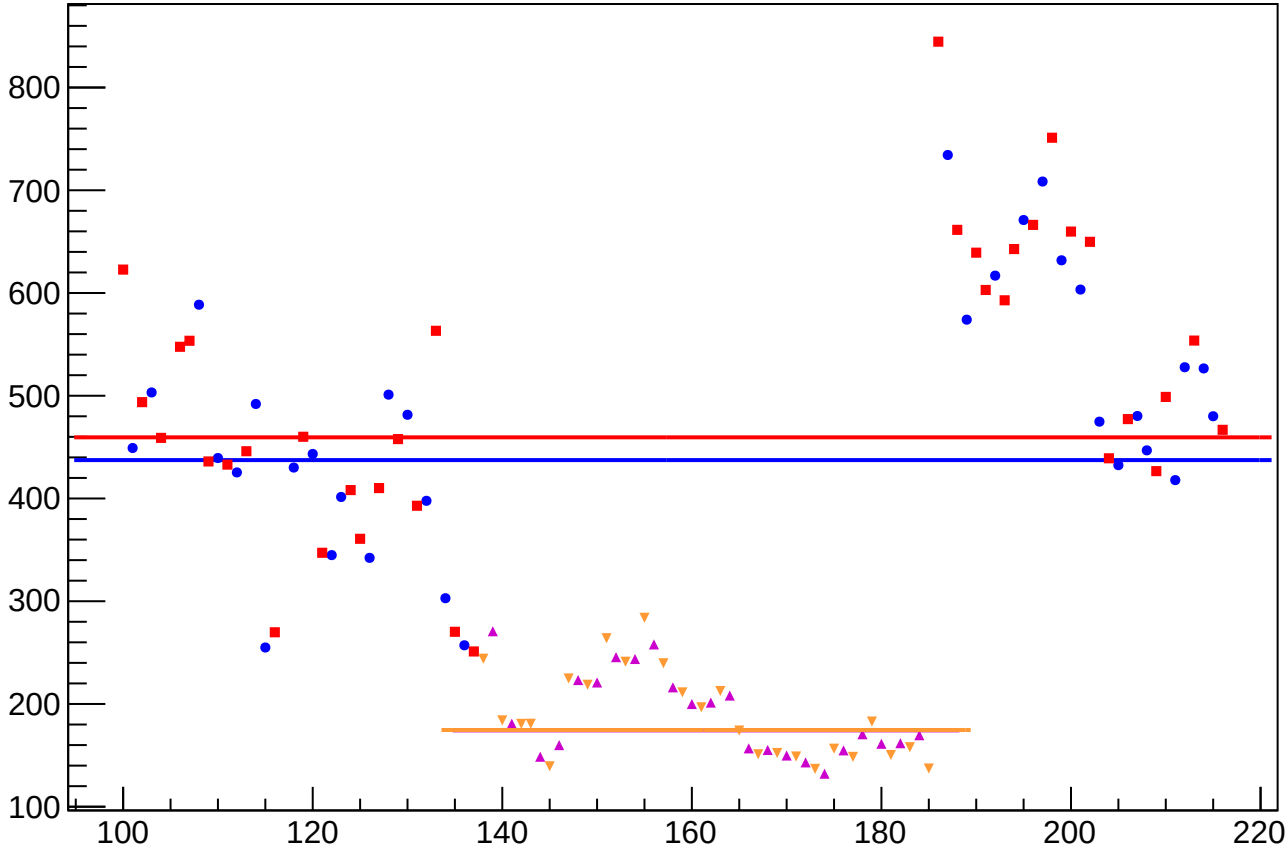
Right: -19.911+/-78.488 χ^2/NDF: 96.2/66

In: -41.576+/-39.712 χ^2/NDF:80.7/54

Out: -126.634+/-39.064 χ^2/NDF:118.6/59

All: -84.804+/-27.849 χ^2/NDF: 201.7/114

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 437.361+/-0.077 χ^2/NDF: 2335869.7/31

Left Out: 174.648+/-0.029 χ^2/NDF:1531999.5/24

Right Out: 459.523+/-0.080 χ^2/NDF: 2531167.5/34

Left In: 174.288+/-0.030 χ^2/NDF:1344779.5/22

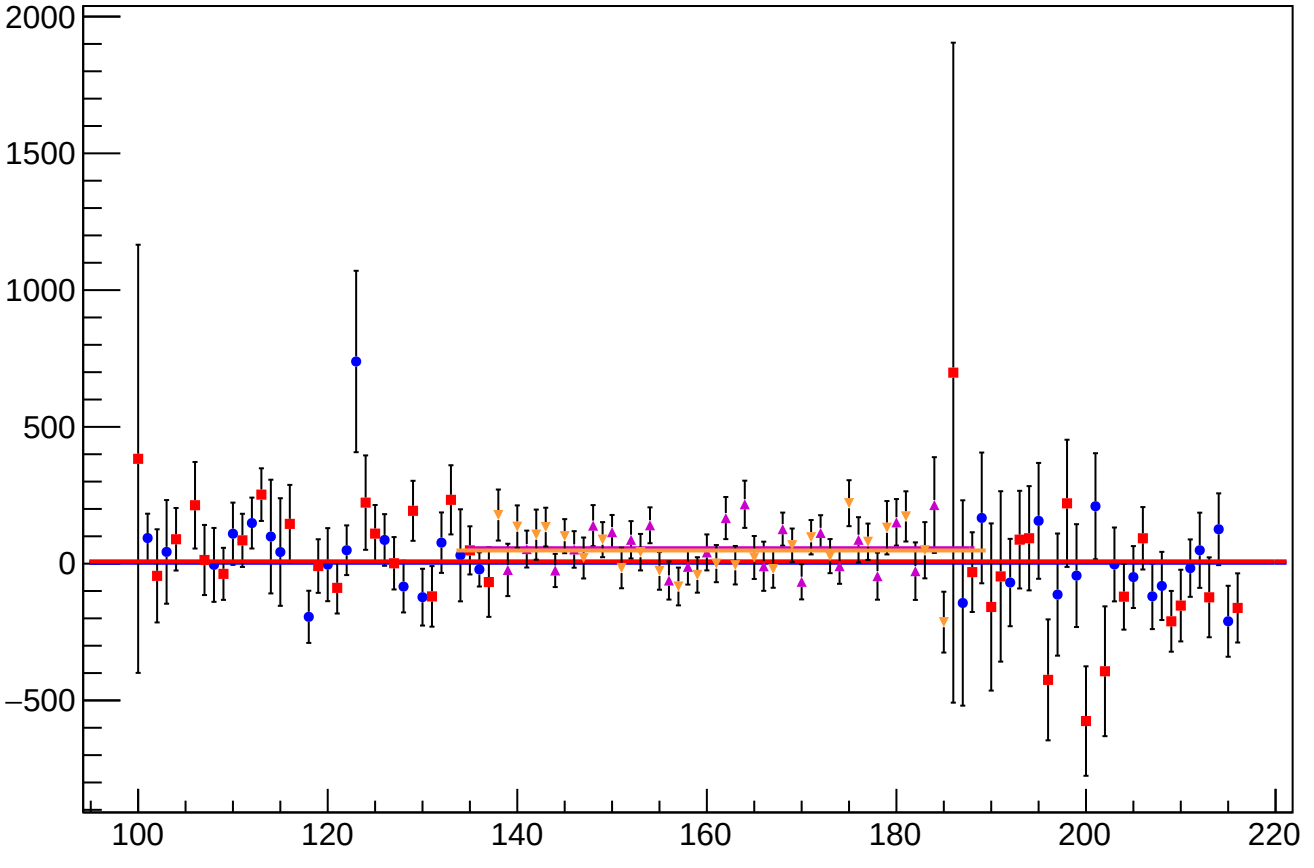
Left: 174.472+/-0.021 χ^2/NDF: 2876851.9/47

Right: 448.080+/-0.055 χ^2/NDF: 4906858.4/66

In: 209.061+/-0.028 χ^2/NDF:13748291.3/54

Out: 208.779+/-0.028 χ^2/NDF:15279645.7/59

All: 208.918+/-0.020 χ^2/NDF: 29027988.2/11



Right In: 3.252+/-21.685 χ^2/NDF: 26.1/31

Left Out: 48.233+/-14.616 χ^2/NDF:29.3/24

Right Out: 8.439+/-22.027 χ^2/NDF: 49.1/34

Left In: 56.403+/-15.182 χ^2/NDF:27.5/22

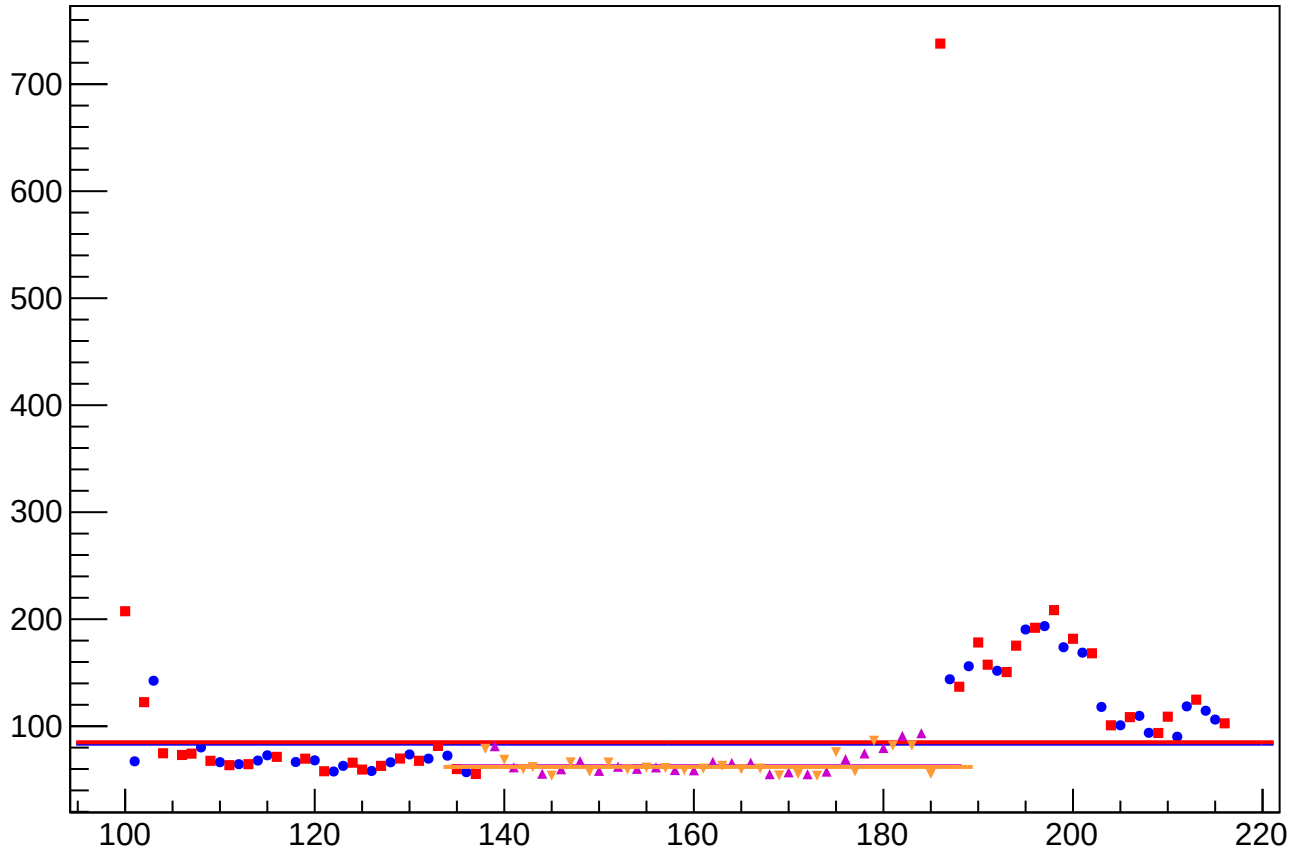
Left: 52.163+/-10.529 χ^2/NDF: 56.9/47

Right: 5.805+/-15.453 χ^2/NDF: 75.3/66

In: 38.919+/-12.437 χ^2/NDF:57.6/54

Out: 36.069+/-12.179 χ^2/NDF:80.7/59

All: 37.464+/-8.701 χ^2/NDF: 138.3/114



Right In: 83.662+/-0.015 χ^2/NDF: 4337284.0/31

Left Out: 61.946+/-0.010 χ^2/NDF:604989.2/24

Right Out: 84.996+/-0.016 χ^2/NDF: 5269017.8/34

Left In: 62.607+/-0.011 χ^2/NDF:575516.1/22

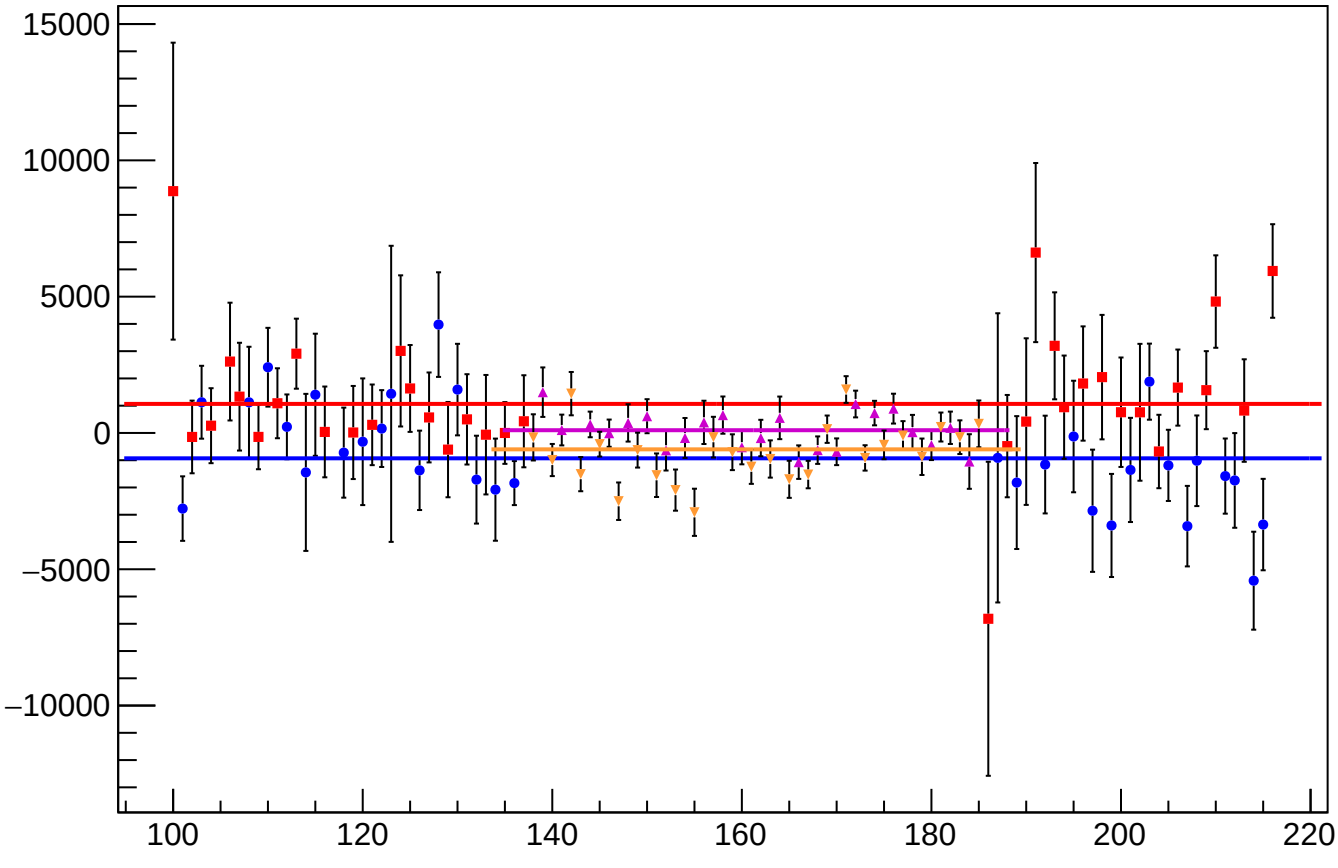
Left: 62.264+/-0.007 χ^2/NDF: 1182470.7/47

Right: 84.319+/-0.011 χ^2/NDF: 9610030.6/66

In: 69.533+/-0.009 χ^2/NDF:6178090.8/54

Out: 68.992+/-0.009 χ^2/NDF:7394576.6/59

All: 69.257+/-0.006 χ^2/NDF: 13574595.7/114



Right In: -930.600+/-284.408 χ^2/NDF: 43.4/31

Left Out: -601.486+/-122.119 χ^2/NDF:65.4/24

Right Out: 1065.632+/-288.632 χ^2/NDF: 32.9/34

Left In: 100.548+/-124.725 χ^2/NDF:25.5/22

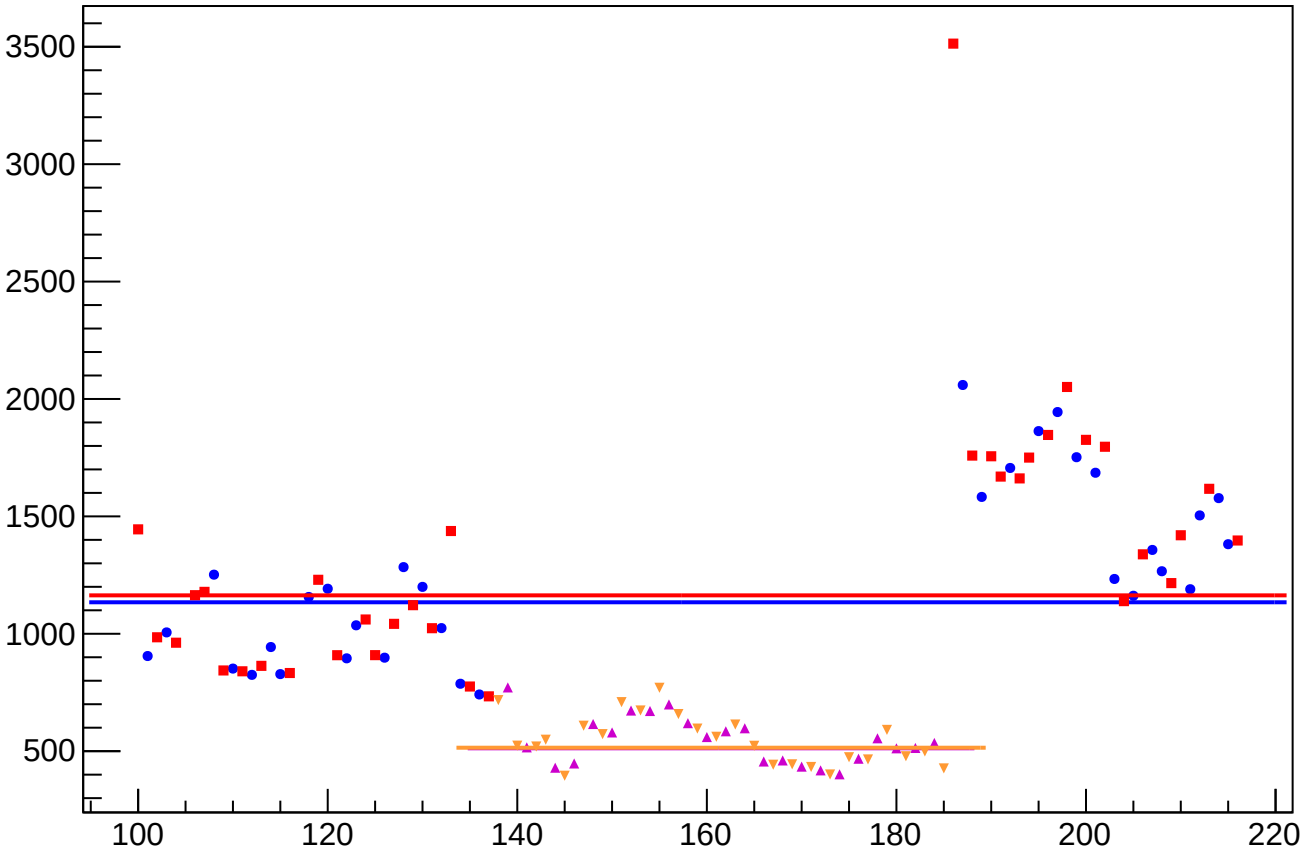
Left: -257.880+/-87.258 χ^2/NDF: 107.0/47

Right: 52.802+/-202.584 χ^2/NDF: 100.5/66

In: -65.774+/-114.224 χ^2/NDF:79.9/54

Out: -348.368+/-112.466 χ^2/NDF:126.6/59

All: -209.262+/-80.140 χ^2/NDF: 209.5/114



Right In: 1134.147+/-0.201 χ^2/NDF: 2592385.0/31

Left Out: 514.758+/-0.086 χ^2/NDF:1194945.9/24

Right Out: 1163.642+/-0.204 χ^2/NDF: 3154126.6/34

Left In: 512.199+/-0.088 χ^2/NDF:1041302.8/22

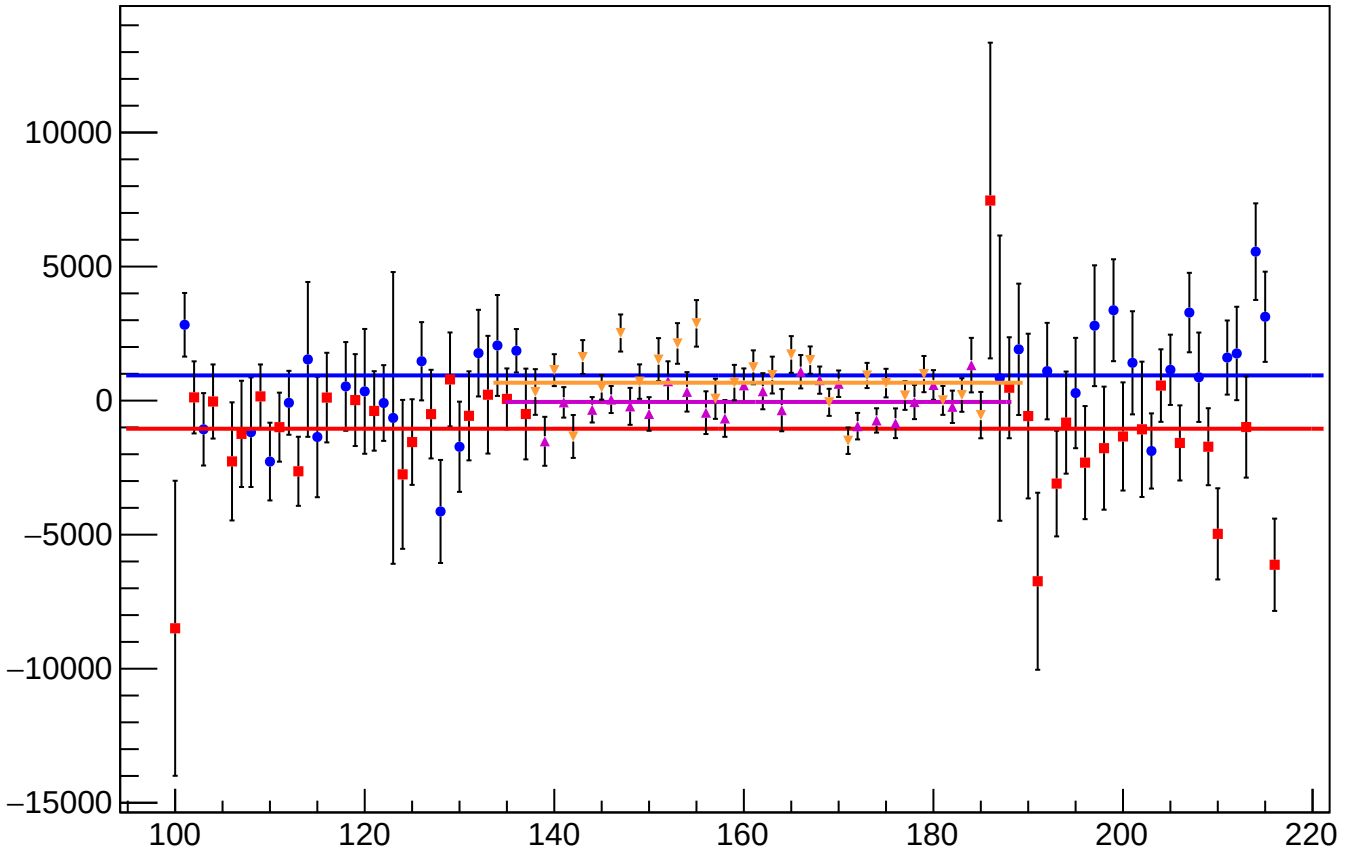
Left: 513.505+/-0.062 χ^2/NDF: 2236678.4/47

Right: 1148.677+/-0.143 χ^2/NDF: 5757108.6/66

In: 612.518+/-0.081 χ^2/NDF:11655287.3/54

Out: 613.278+/-0.080 χ^2/NDF:12922576.0/59

All: 612.904+/-0.057 χ^2/NDF: 24577908.2/11



Right In: 940.292+/-285.449 χ^2/NDF: 42.7/31

Left Out: 667.625+/-123.146 χ^2/NDF:61.5/24

Right Out: -1048.864+/-289.806 χ^2/NDF: 33.3/34

Left In: -50.079+/-125.805 χ^2/NDF:26.1/22

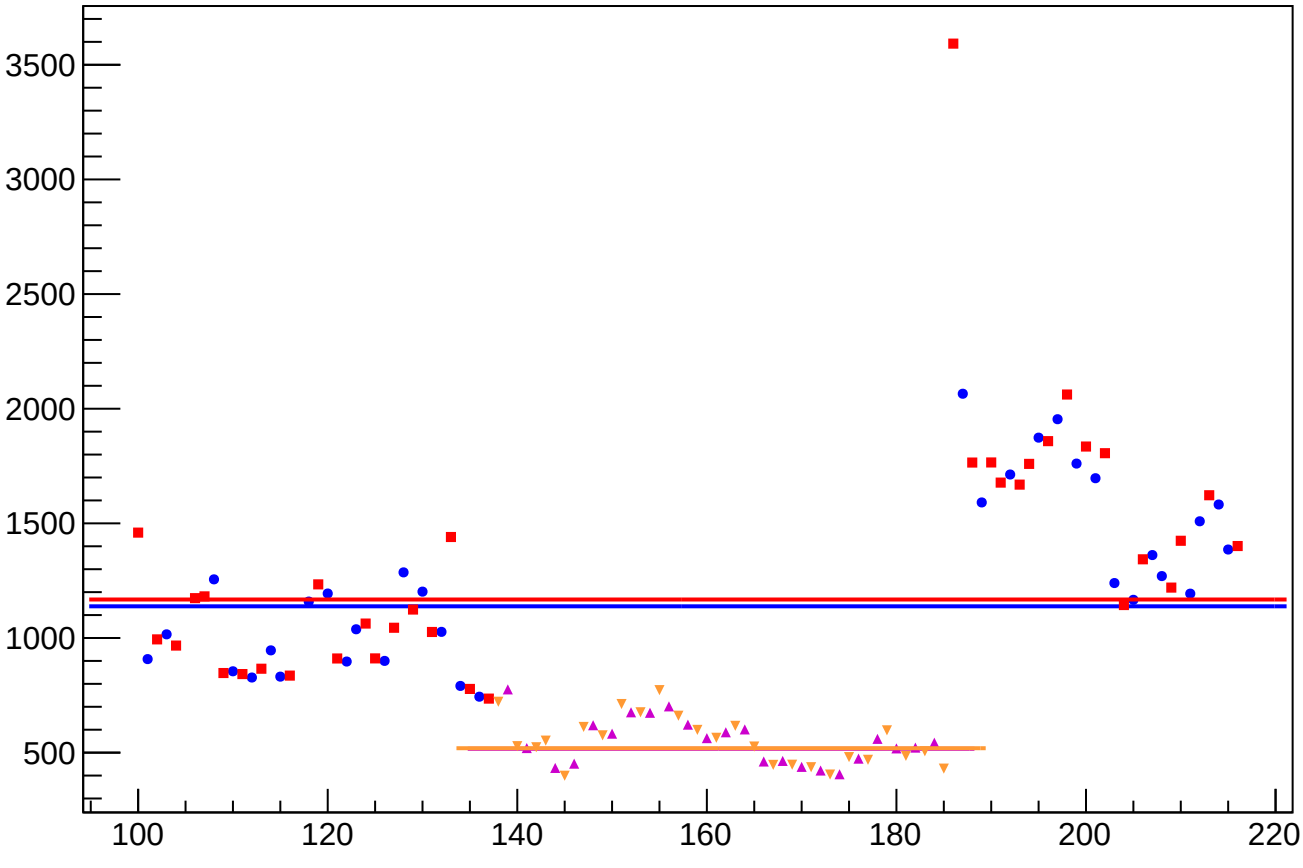
Left: 316.439+/-88.002 χ^2/NDF: 104.2/47

Right: -39.221+/-203.366 χ^2/NDF: 100.0/66

In: 111.002+/-115.120 χ^2/NDF:78.9/54

Out: 405.097+/-113.338 χ^2/NDF:124.5/59

All: 260.344+/-80.765 χ^2/NDF: 206.7/114



Right In: 1138.197+/-0.202 χ^2/NDF: 2598283.9/31

Left Out: 519.254+/-0.087 χ^2/NDF:1172411.1/24

Right Out: 1167.897+/-0.205 χ^2/NDF: 3167804.3/34

Left In: 516.792+/-0.089 χ^2/NDF:1021374.1/22

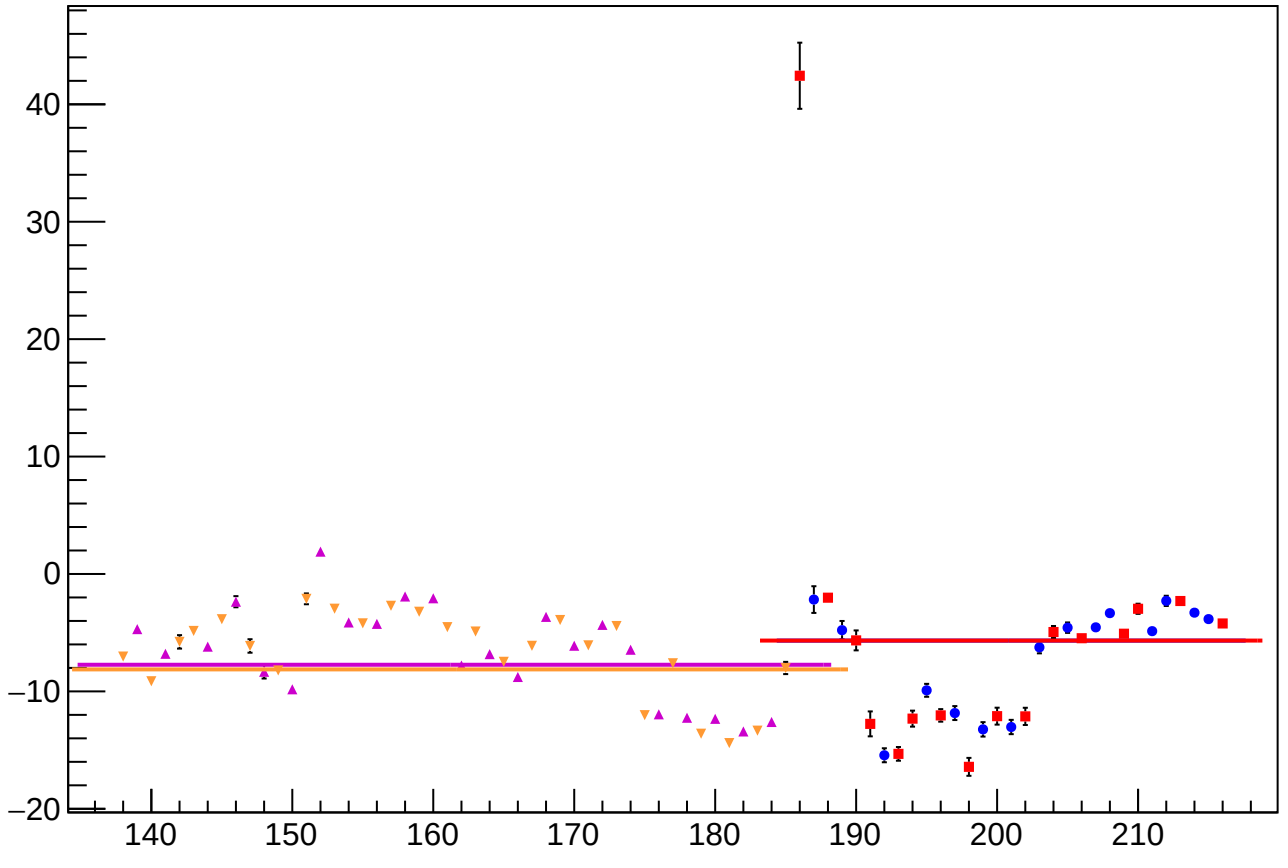
Left: 518.049+/-0.062 χ^2/NDF: 2194176.4/47

Right: 1152.822+/-0.144 χ^2/NDF: 5776750.0/66

In: 617.861+/-0.081 χ^2/NDF:11556181.2/54

Out: 618.460+/-0.080 χ^2/NDF:12826892.6/59

All: 618.166+/-0.057 χ^2/NDF: 24383101.3/11



Right In: -5.675+/-0.117 χ^2/NDF: 956.8/14

Left Out: -8.127+/-0.067 χ^2/NDF:3635.5/24

Right Out: -5.672+/-0.116 χ^2/NDF: 1503.9/15

Left In: -7.732+/-0.069 χ^2/NDF:3719.0/22

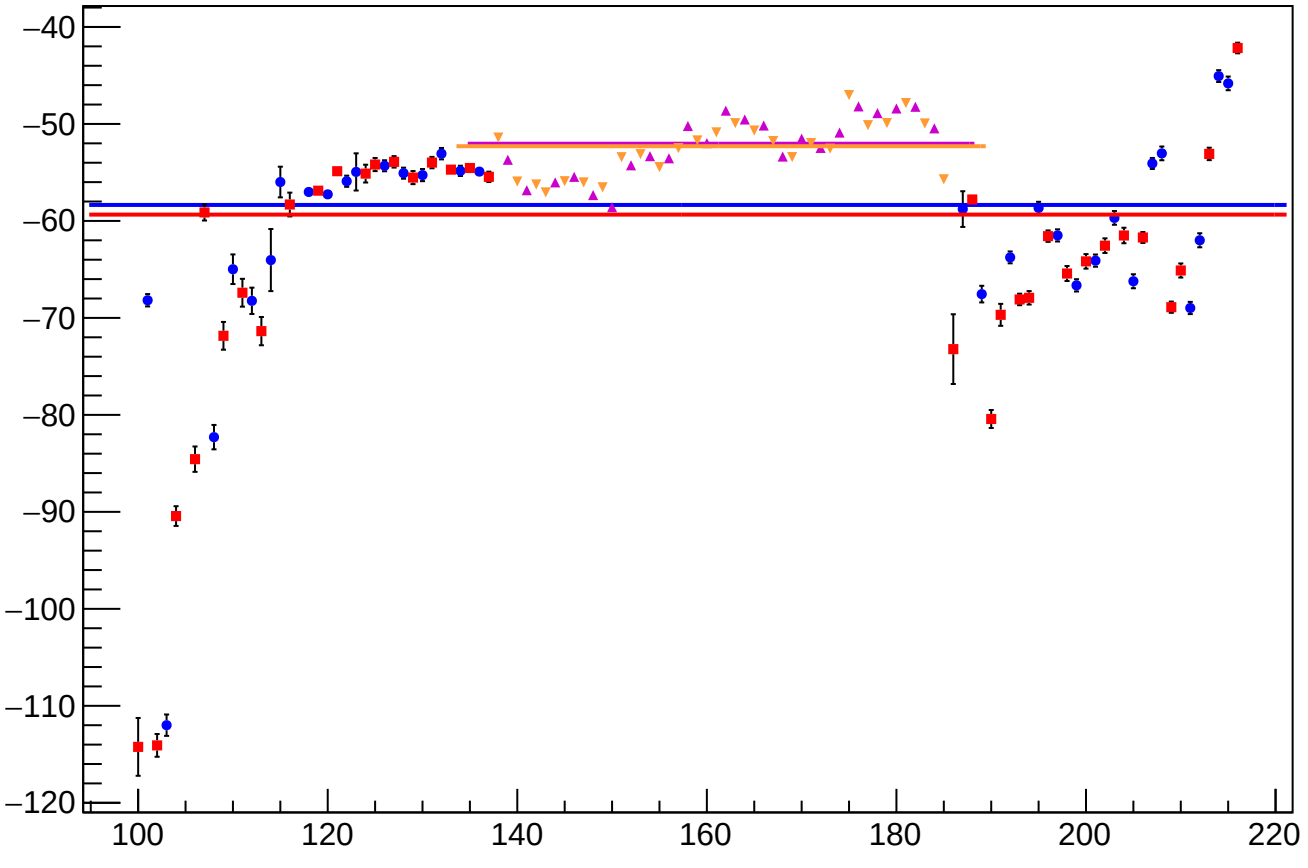
Left: -7.934+/-0.048 χ^2/NDF: 7371.4/47

Right: -5.673+/-0.083 χ^2/NDF: 2460.7/30

In: -7.204+/-0.059 χ^2/NDF:4905.2/37

Out: -7.511+/-0.058 χ^2/NDF:5472.4/40

All: -7.360+/-0.042 χ^2/NDF: 10391.3/78



Right In: -58.351+/-0.111 χ^2/NDF: 5292.8/31

Left Out: -52.297+/-0.055 χ^2/NDF:2657.5/24

Right Out: -59.349+/-0.110 χ^2/NDF: 7394.5/34

Left In: -52.038+/-0.057 χ^2/NDF:3180.4/22

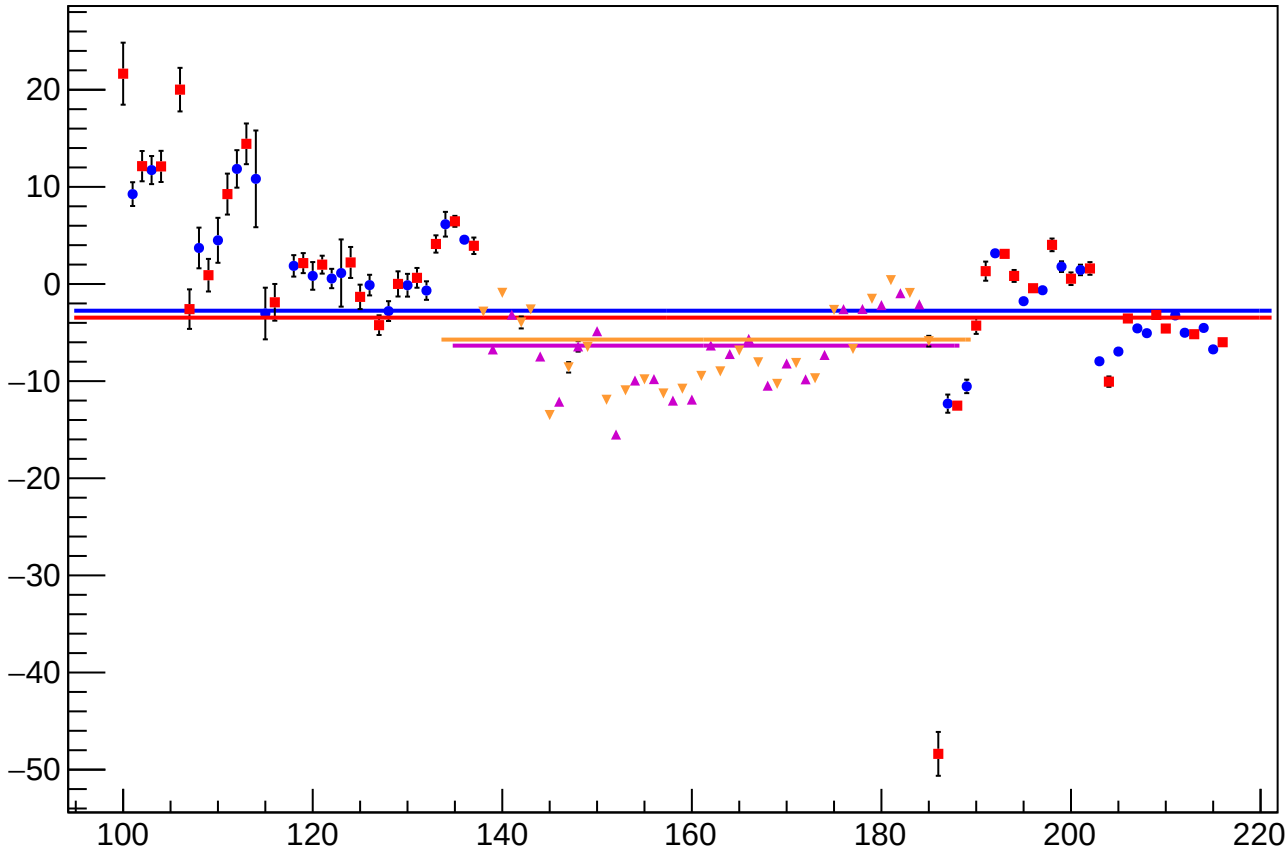
Left: -52.172+/-0.040 χ^2/NDF: 5848.6/47

Right: -58.856+/-0.078 χ^2/NDF: 12728.2/66

In: -53.362+/-0.051 χ^2/NDF:11031.8/54

Out: -53.716+/-0.049 χ^2/NDF:13352.8/59

All: -53.544+/-0.035 χ^2/NDF: 24409.7/114



Right In: -2.749+/-0.106 χ^2/NDF: 1623.5/31

Left Out: -5.722+/-0.068 χ^2/NDF:3983.0/24

Right Out: -3.461+/-0.104 χ^2/NDF: 3306.3/34

Left In: -6.344+/-0.069 χ^2/NDF:3383.7/22

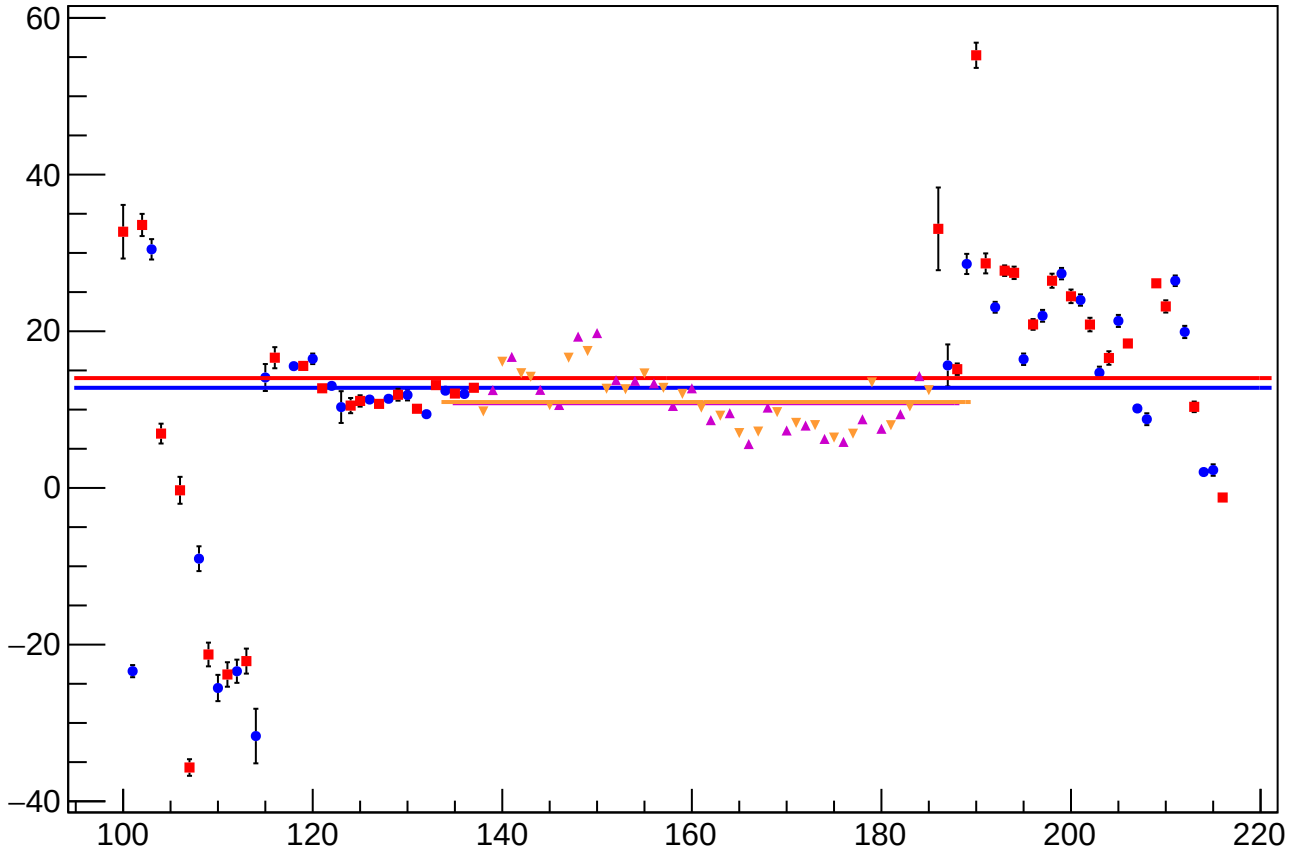
Left: -6.028+/-0.048 χ^2/NDF: 7408.5/47

Right: -3.111+/-0.074 χ^2/NDF: 4952.8/66

In: -5.280+/-0.058 χ^2/NDF:5819.7/54

Out: -5.051+/-0.057 χ^2/NDF:7621.3/59

All: -5.164+/-0.040 χ^2/NDF: 13448.9/114



Right In: 12.782+/-0.123 χ^2/NDF: 6291.6/31

Left Out: 10.967+/-0.061 χ^2/NDF:2637.7/24

Right Out: 14.022+/-0.124 χ^2/NDF: 7659.7/34

Left In: 10.813+/-0.063 χ^2/NDF:3546.8/22

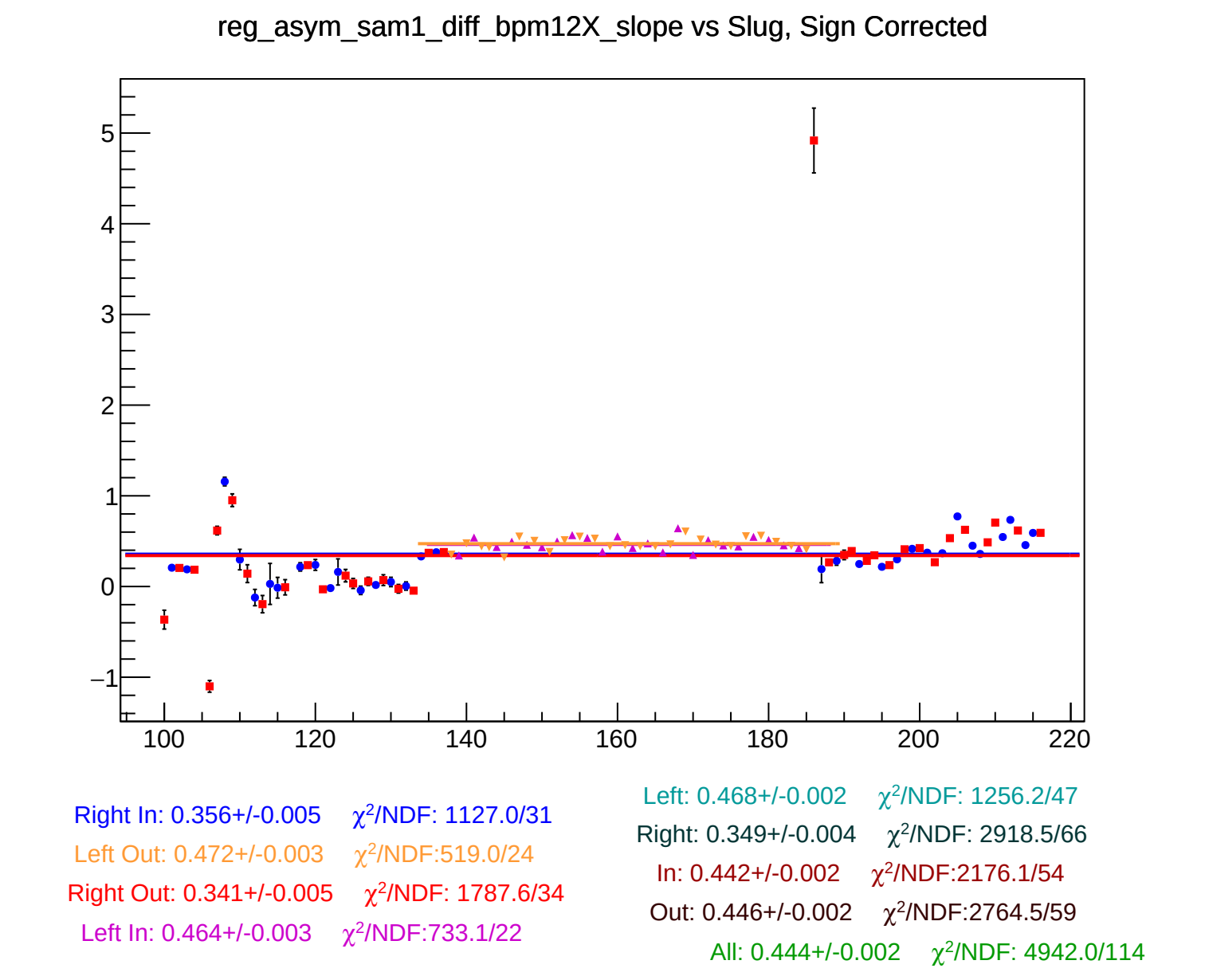
Left: 10.892+/-0.044 χ^2/NDF: 6187.5/47

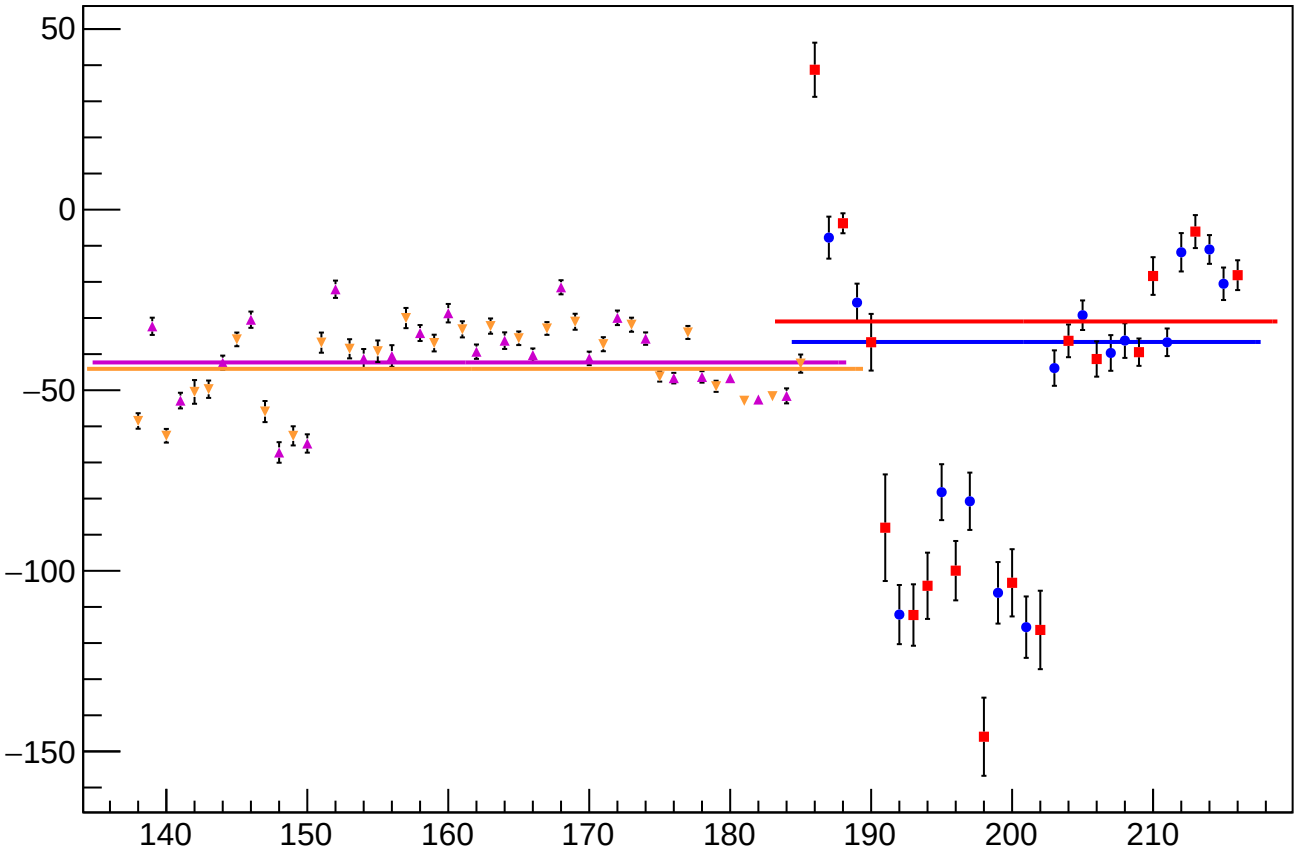
Right: 13.398+/-0.087 χ^2/NDF: 14001.8/66

In: 11.224+/-0.056 χ^2/NDF:10041.3/54

Out: 11.571+/-0.055 χ^2/NDF:10786.7/59

All: 11.401+/-0.039 χ^2/NDF: 20847.5/114


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.356+/-0.005 χ²/NDF: 1127.0/31
Left Out: 0.472+/-0.003 χ²/NDF:519.0/24
Right Out: 0.341+/-0.005 χ²/NDF: 1787.6/34
Left In: 0.464+/-0.003 χ²/NDF:733.1/22
Left: 0.468+/-0.002 χ²/NDF: 1256.2/47
Right: 0.349+/-0.004 χ²/NDF: 2918.5/66
In: 0.442+/-0.002 χ²/NDF:2176.1/54
Out: 0.446+/-0.002 χ²/NDF:2764.5/59
All: 0.444+/-0.002 χ²/NDF: 4942.0/114



Right In: -36.636+/-1.357 χ^2/NDF: 408.2/14

Left Out: -44.077+/-0.389 χ^2/NDF:632.6/24

Right Out: -30.958+/-1.358 χ^2/NDF: 715.2/15

Left In: -42.304+/-0.399 χ^2/NDF:640.6/22

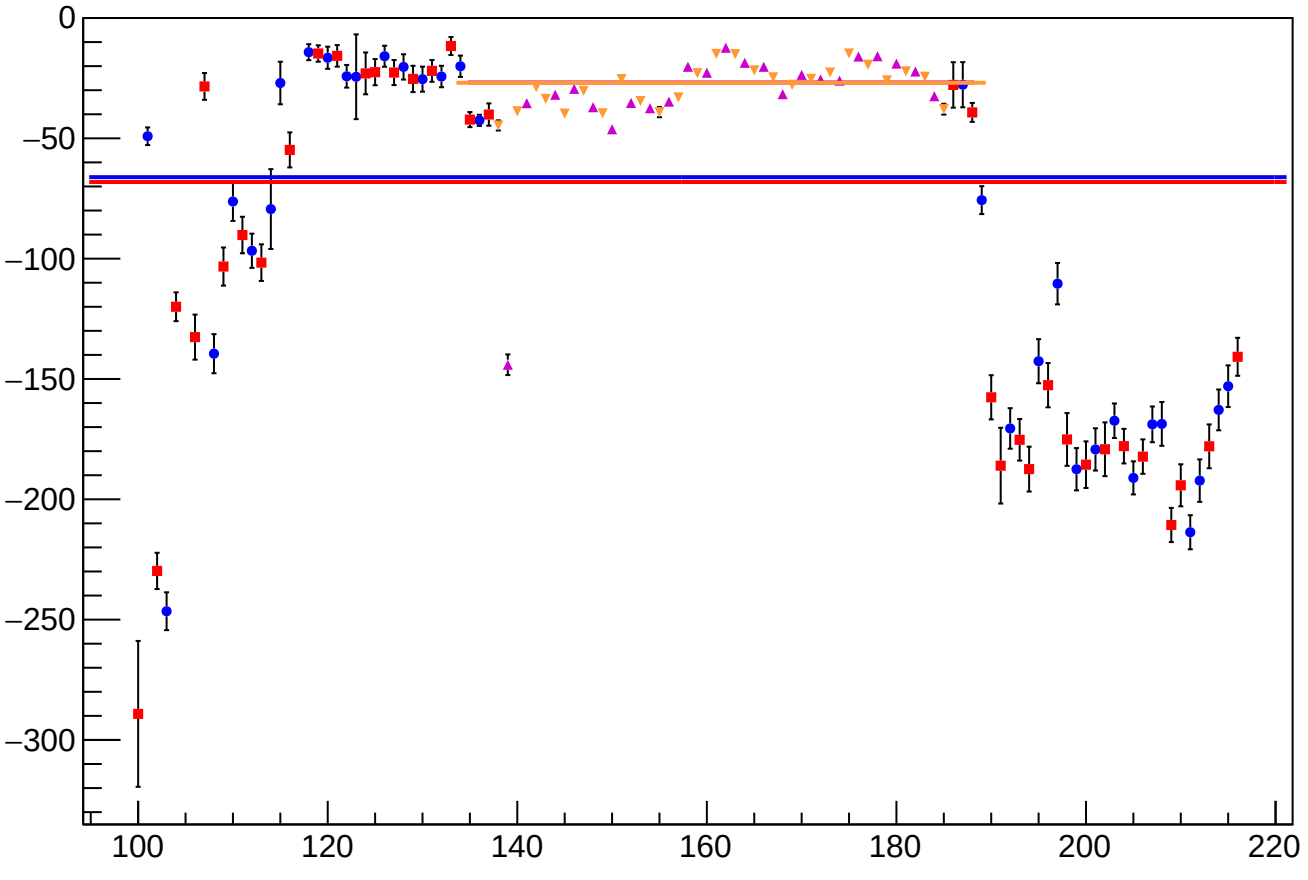
Left: -43.214+/-0.278 χ^2/NDF: 1283.3/47

Right: -33.800+/-0.960 χ^2/NDF: 1132.2/30

In: -41.853+/-0.383 χ^2/NDF:1064.9/37

Out: -43.085+/-0.374 χ^2/NDF:1434.0/40

All: -42.484+/-0.267 χ^2/NDF: 2504.2/78



Right In: -66.135+/-1.003 χ^2/NDF: 4027.7/31

Left Out: -26.902+/-0.316 χ^2/NDF:631.0/24

Right Out: -68.151+/-1.034 χ^2/NDF: 4084.6/34

Left In: -26.774+/-0.326 χ^2/NDF:1394.5/22

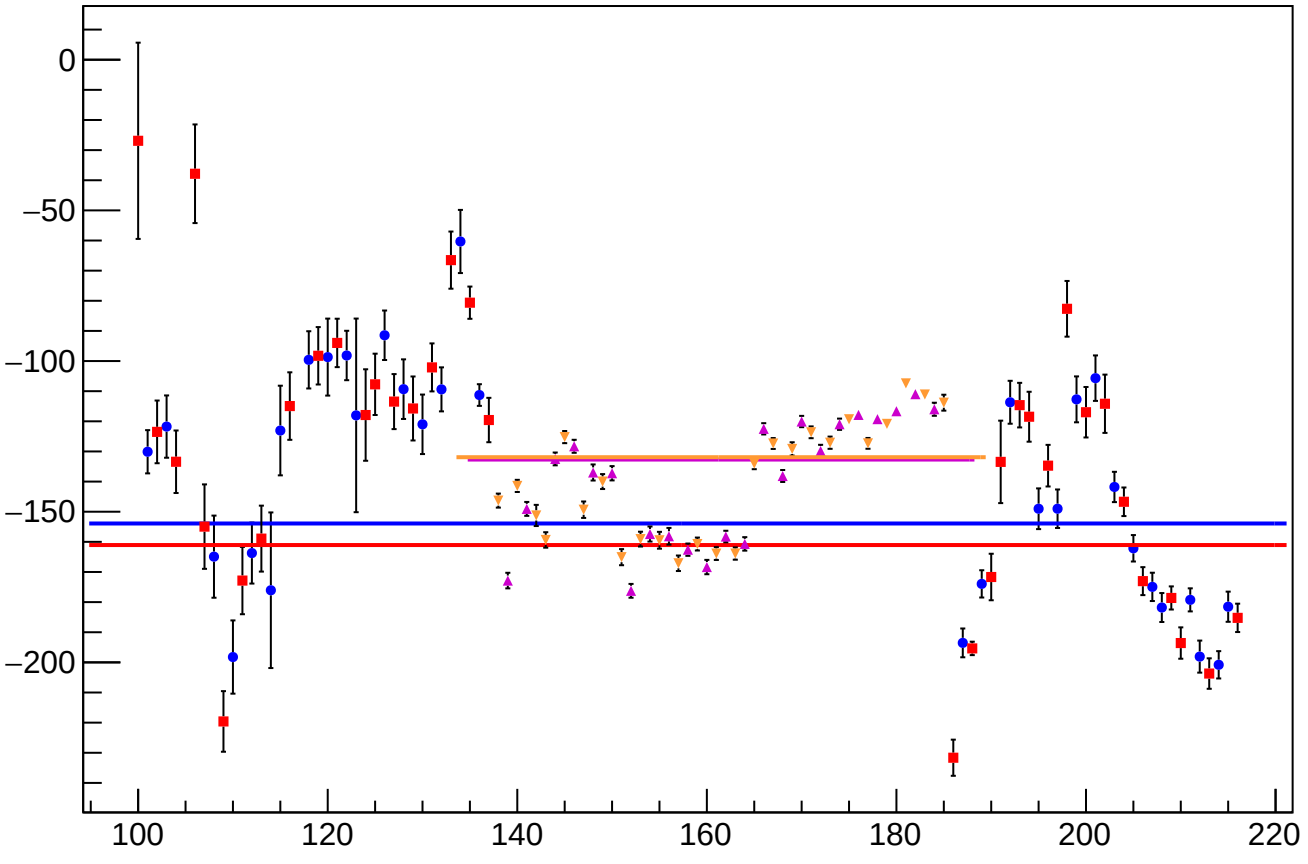
Left: -26.840+/-0.227 χ^2/NDF: 2025.6/47

Right: -67.113+/-0.720 χ^2/NDF: 8114.2/66

In: -30.541+/-0.310 χ^2/NDF:6814.8/54

Out: -30.433+/-0.302 χ^2/NDF:6171.8/59

All: -30.486+/-0.217 χ^2/NDF: 12986.7/114



Right In: -153.908+/-1.121 χ^2/NDF: 991.1/31

Left Out: -131.912+/-0.391 χ^2/NDF:2439.3/24

Right Out: -161.061+/-1.100 χ^2/NDF: 1510.2/34

Left In: -132.690+/-0.399 χ^2/NDF:2480.2/22

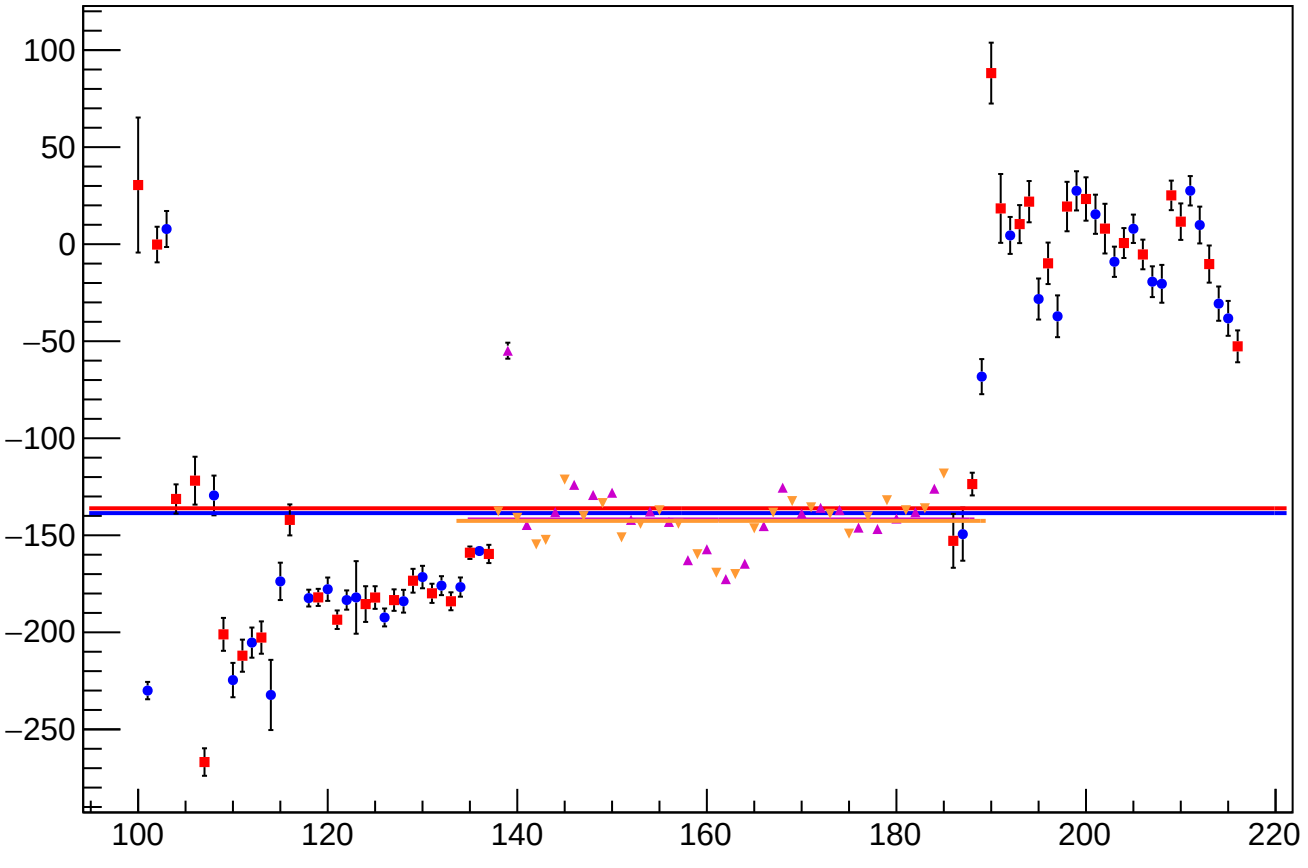
Left: -132.293+/-0.280 χ^2/NDF: 4921.5/47

Right: -157.550+/-0.785 χ^2/NDF: 2522.1/66

In: -135.081+/-0.376 χ^2/NDF:3789.4/54

Out: -135.187+/-0.369 χ^2/NDF:4572.4/59

All: -135.135+/-0.263 χ^2/NDF: 8361.8/114



Right In: -138.571+/-1.123 χ^2/NDF: 4562.6/31

Left Out: -142.564+/-0.354 χ^2/NDF:1147.7/24

Right Out: -136.087+/-1.179 χ^2/NDF: 4437.4/34

Left In: -141.856+/-0.364 χ^2/NDF:1544.3/22

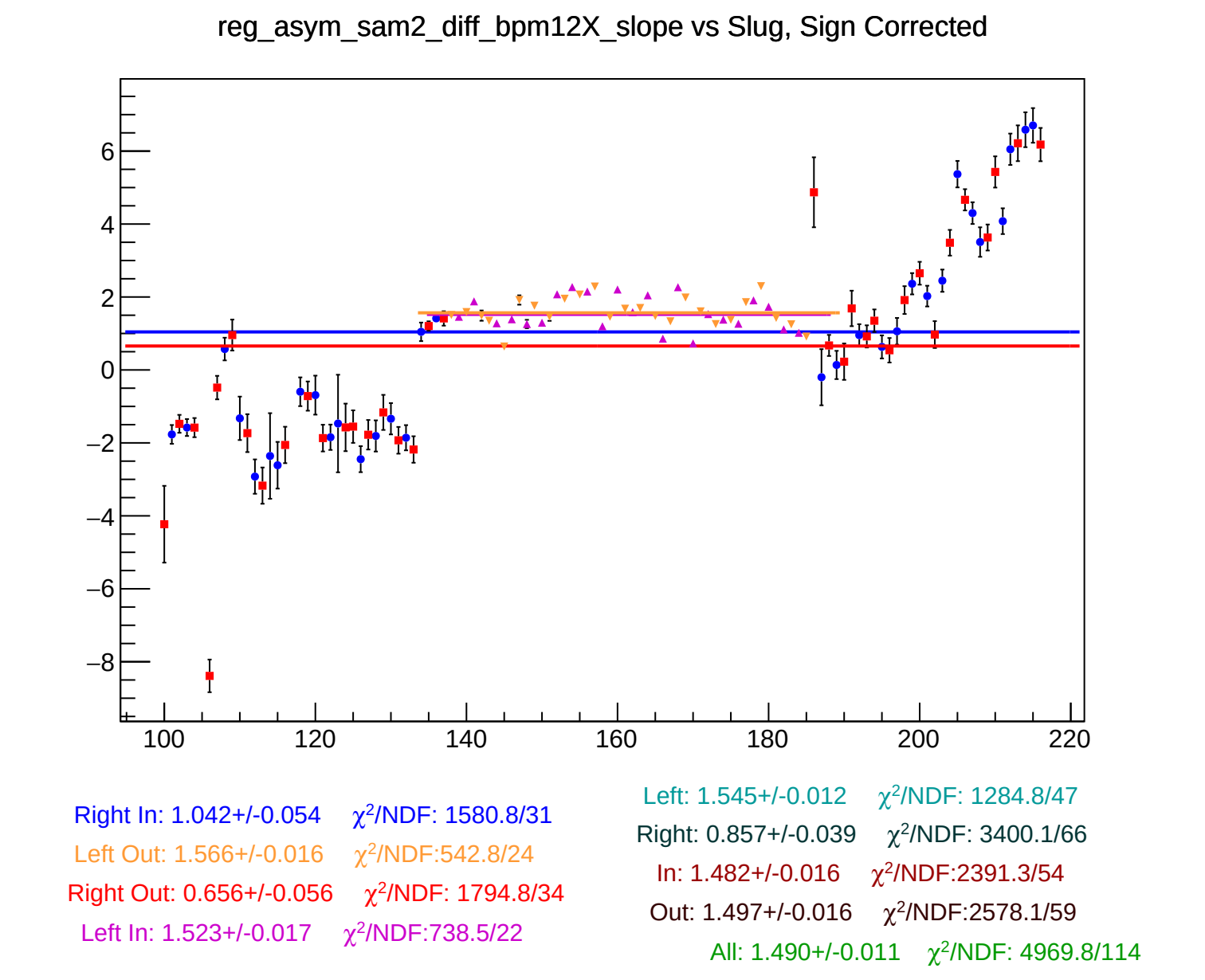
Left: -142.220+/-0.254 χ^2/NDF: 2693.9/47

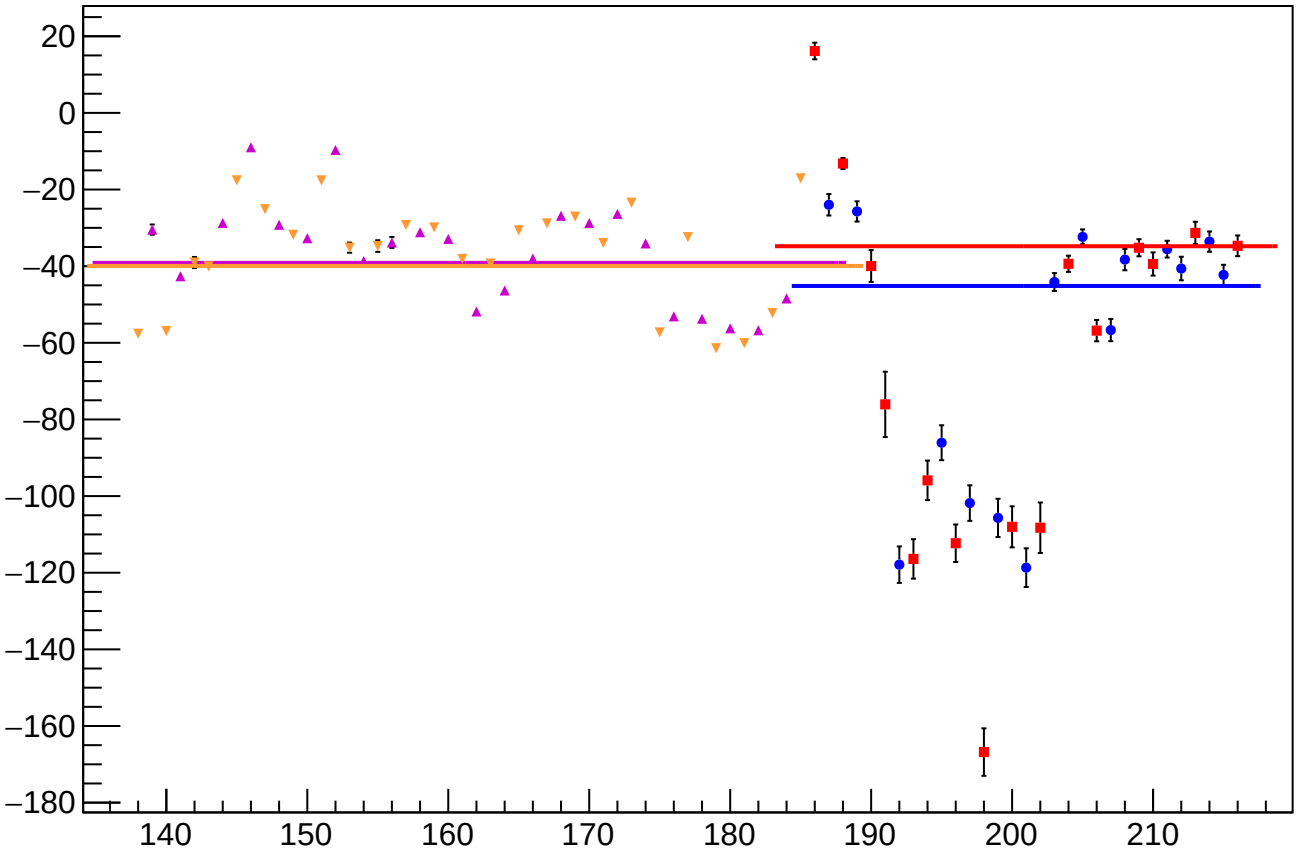
Right: -137.389+/-0.813 χ^2/NDF: 9002.4/66

In: -141.545+/-0.346 χ^2/NDF:6114.6/54

Out: -142.028+/-0.339 χ^2/NDF:5612.8/59

All: -141.791+/-0.242 χ^2/NDF: 11728.4/114


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 1.042+/-0.054 χ²/NDF: 1580.8/31
Left Out: 1.566+/-0.016 χ²/NDF:542.8/24
Right Out: 0.656+/-0.056 χ²/NDF: 1794.8/34
Left In: 1.523+/-0.017 χ²/NDF:738.5/22
Left: 1.545+/-0.012 χ²/NDF: 1284.8/47
Right: 0.857+/-0.039 χ²/NDF: 3400.1/66
In: 1.482+/-0.016 χ²/NDF:2391.3/54
Out: 1.497+/-0.016 χ²/NDF:2578.1/59
All: 1.490+/-0.011 χ²/NDF: 4969.8/114



Right In: -45.164+/-0.749 χ^2/NDF: 1040.9/14

Left Out: -39.935+/-0.153 χ^2/NDF:9806.5/24

Right Out: -34.794+/-0.728 χ^2/NDF: 2279.4/15

Left In: -39.137+/-0.155 χ^2/NDF:8534.5/22

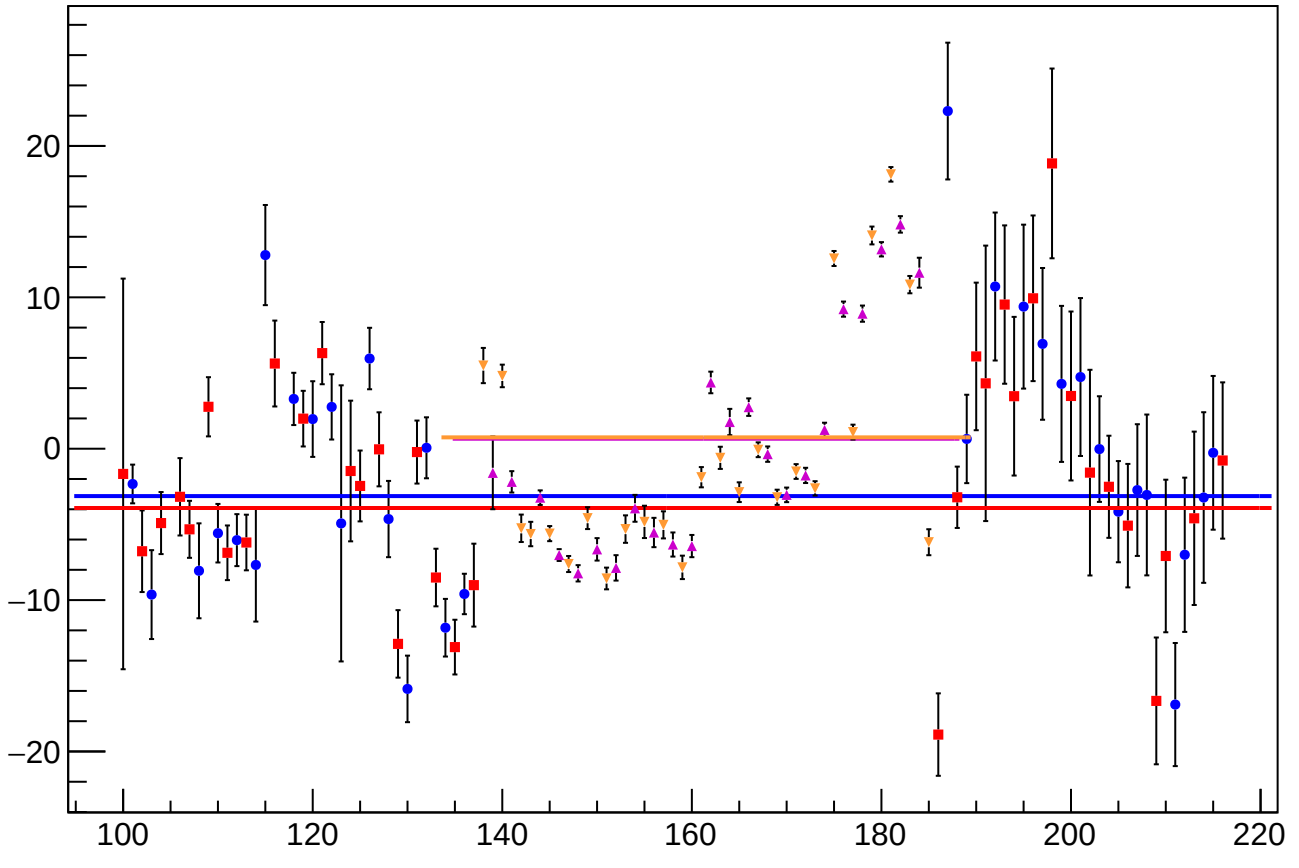
Left: -39.540+/-0.109 χ^2/NDF: 18354.5/47

Right: -39.837+/-0.522 χ^2/NDF: 3418.9/30

In: -39.384+/-0.151 χ^2/NDF:9637.6/37

Out: -39.717+/-0.150 χ^2/NDF:12133.6/40

All: -39.552+/-0.107 χ^2/NDF: 21773.6/78



Right In: -3.130+/-0.457 χ^2/NDF: 231.5/31

Left Out: 0.749+/-0.124 χ^2/NDF:3970.9/24

Right Out: -3.917+/-0.456 χ^2/NDF: 197.8/34

Left In: 0.660+/-0.124 χ^2/NDF:3337.8/22

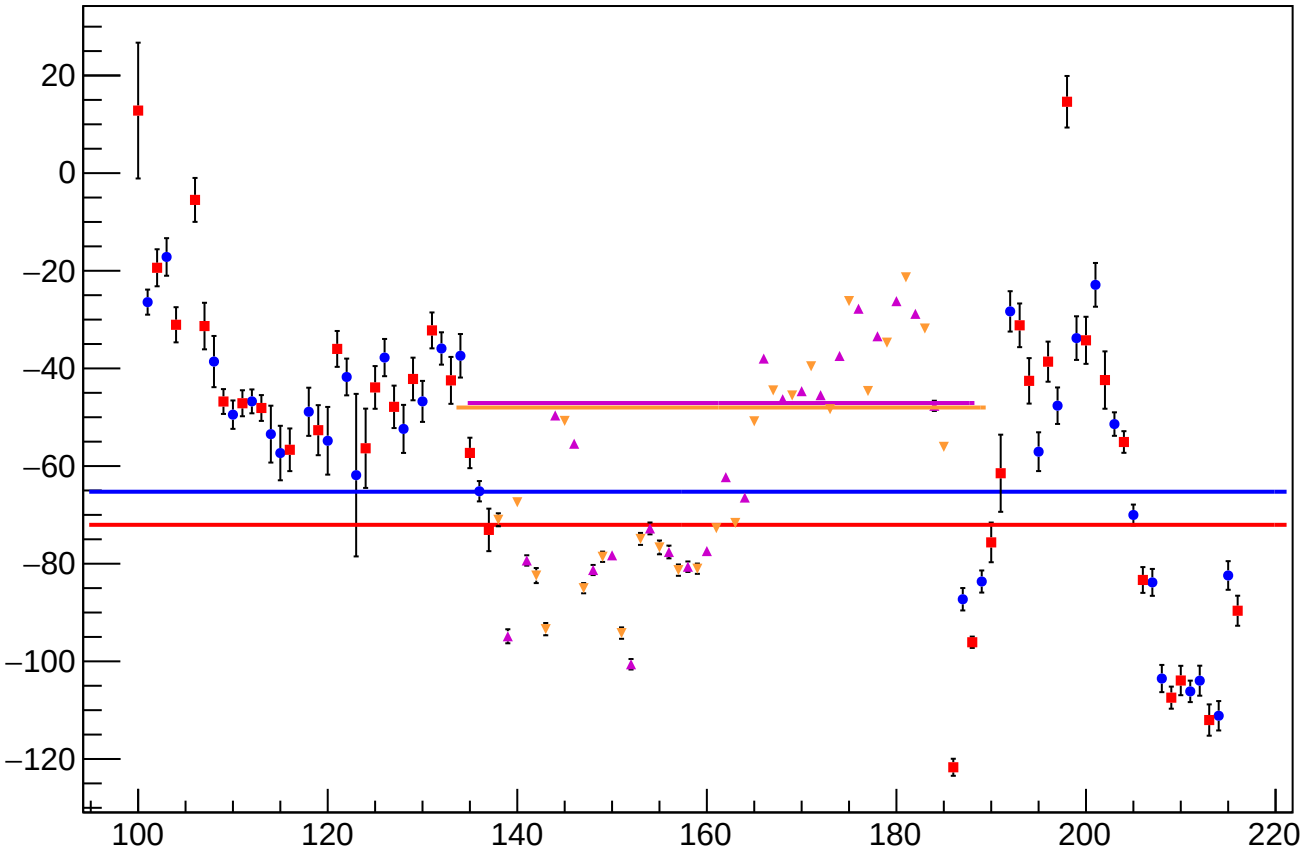
Left: 0.705+/-0.088 χ^2/NDF: 7308.9/47

Right: -3.524+/-0.323 χ^2/NDF: 430.8/66

In: 0.398+/-0.120 χ^2/NDF:3633.5/54

Out: 0.427+/-0.120 χ^2/NDF:4266.2/59

All: 0.413+/-0.085 χ^2/NDF: 7899.7/114



Right In: -65.256+/-0.564 χ^2/NDF: 2197.4/31

Left Out: -48.008+/-0.155 χ^2/NDF:16950.0/24

Right Out: -72.035+/-0.530 χ^2/NDF: 3752.7/34

Left In: -47.085+/-0.155 χ^2/NDF:15515.2/22

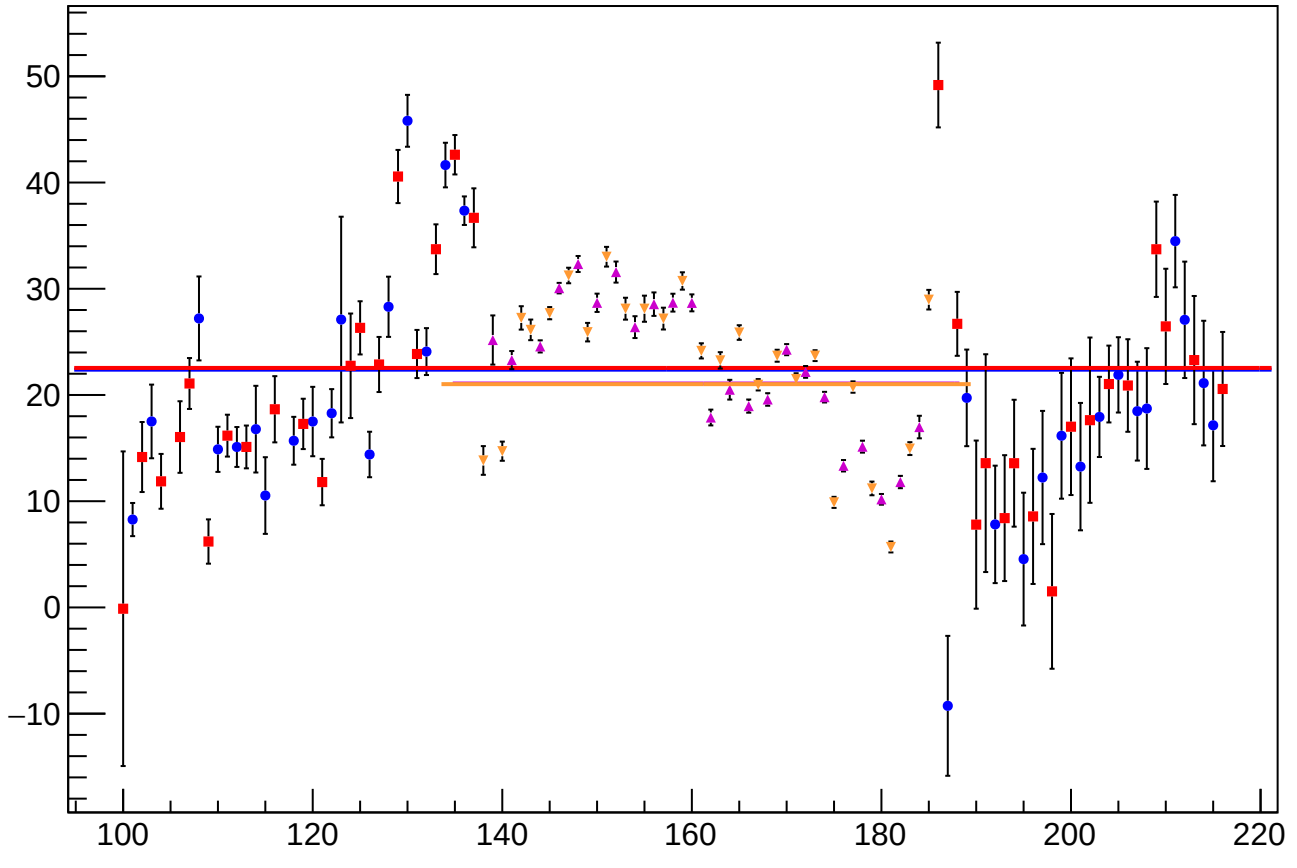
Left: -47.548+/-0.110 χ^2/NDF: 32482.9/47

Right: -68.854+/-0.386 χ^2/NDF: 6026.9/66

In: -48.368+/-0.150 χ^2/NDF:18678.7/54

Out: -49.894+/-0.148 χ^2/NDF:22597.0/59

All: -49.137+/-0.105 χ^2/NDF: 41328.1/114



Right In: 22.384+/-0.514 χ^2/NDF: 515.6/31

Left Out: 21.020+/-0.139 χ^2/NDF:2799.3/24

Right Out: 22.546+/-0.523 χ^2/NDF: 446.6/34

Left In: 21.079+/-0.140 χ^2/NDF:2173.2/22

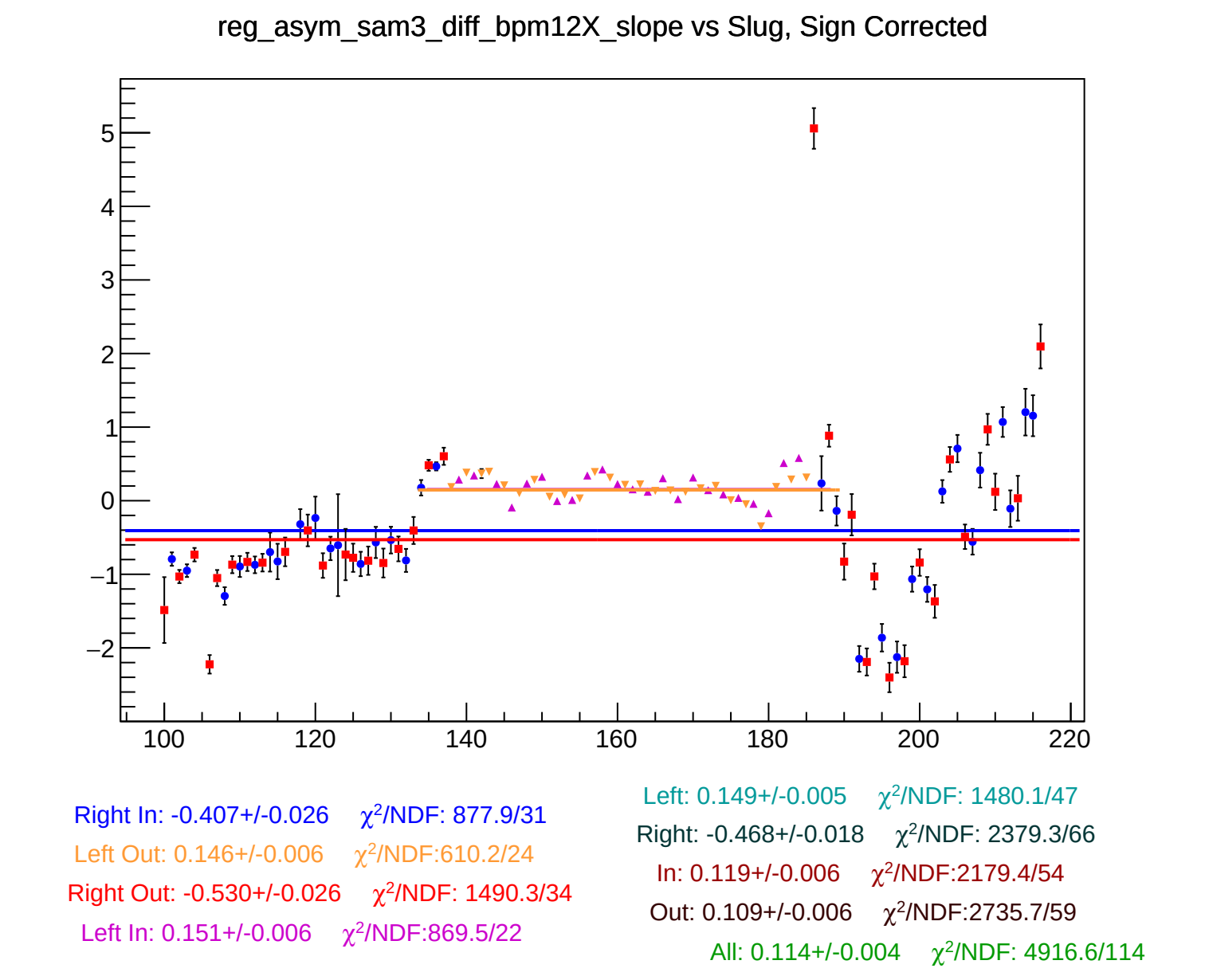
Left: 21.049+/-0.098 χ^2/NDF: 4972.6/47

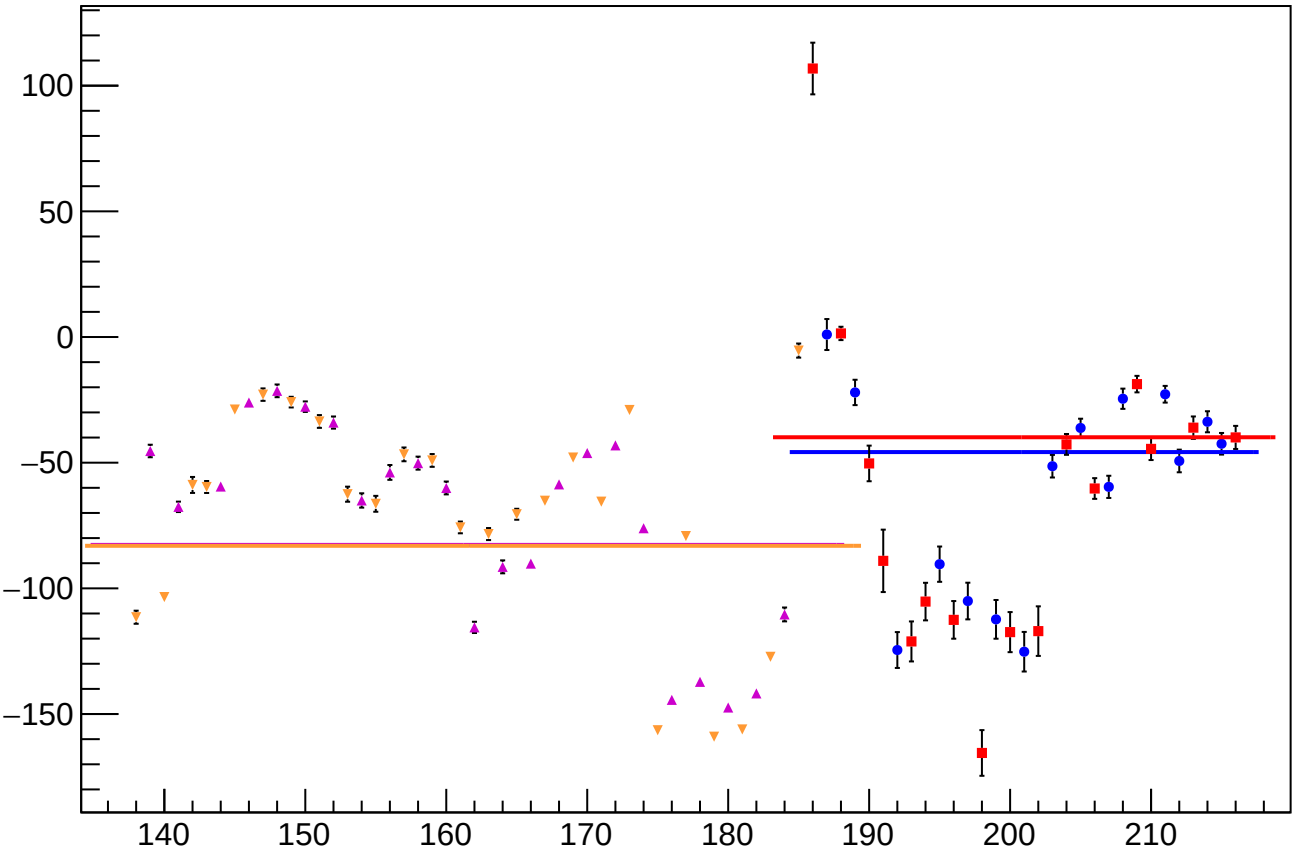
Right: 22.464+/-0.367 χ^2/NDF: 962.2/66

In: 21.168+/-0.135 χ^2/NDF:2694.8/54

Out: 21.120+/-0.134 χ^2/NDF:3253.8/59

All: 21.144+/-0.095 χ^2/NDF: 5948.7/114


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.407+/-0.026 χ²/NDF: 877.9/31
Left Out: 0.146+/-0.006 χ²/NDF:610.2/24
Right Out: -0.530+/-0.026 χ²/NDF: 1490.3/34
Left In: 0.151+/-0.006 χ²/NDF:869.5/22
Left: 0.149+/-0.005 χ²/NDF: 1480.1/47
Right: -0.468+/-0.018 χ²/NDF: 2379.3/66
In: 0.119+/-0.006 χ²/NDF:2179.4/54
Out: 0.109+/-0.006 χ²/NDF:2735.7/59
All: 0.114+/-0.004 χ²/NDF: 4916.6/114



Right In: -45.777+/-1.246 χ^2/NDF: 587.7/14

Left Out: -83.068+/-0.406 χ^2/NDF:13817.3/24

Right Out: -39.885+/-1.264 χ^2/NDF: 1153.7/15

Left In: -82.711+/-0.415 χ^2/NDF:10841.4/22

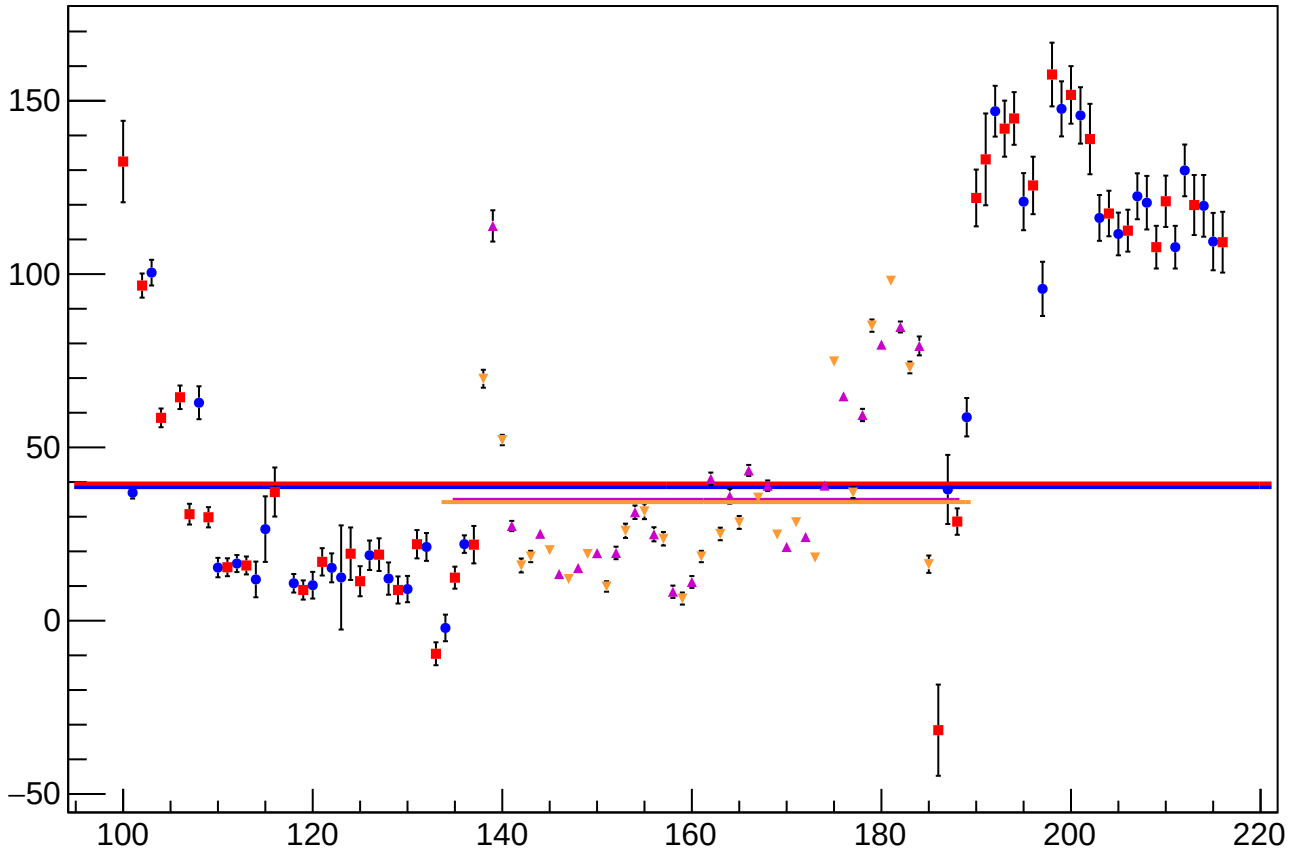
Left: -82.893+/-0.290 χ^2/NDF: 24659.1/47

Right: -42.874+/-0.887 χ^2/NDF: 1752.4/30

In: -79.019+/-0.394 χ^2/NDF:12220.3/37

Out: -79.023+/-0.387 χ^2/NDF:16028.9/40

All: -79.021+/-0.276 χ^2/NDF: 28249.3/78



Right In: 38.544+/-0.742 χ^2/NDF: 2697.0/31

Left Out: 34.219+/-0.320 χ^2/NDF:6192.6/24

Right Out: 39.582+/-0.741 χ^2/NDF: 3003.0/34

Left In: 34.870+/-0.329 χ^2/NDF:4716.1/22

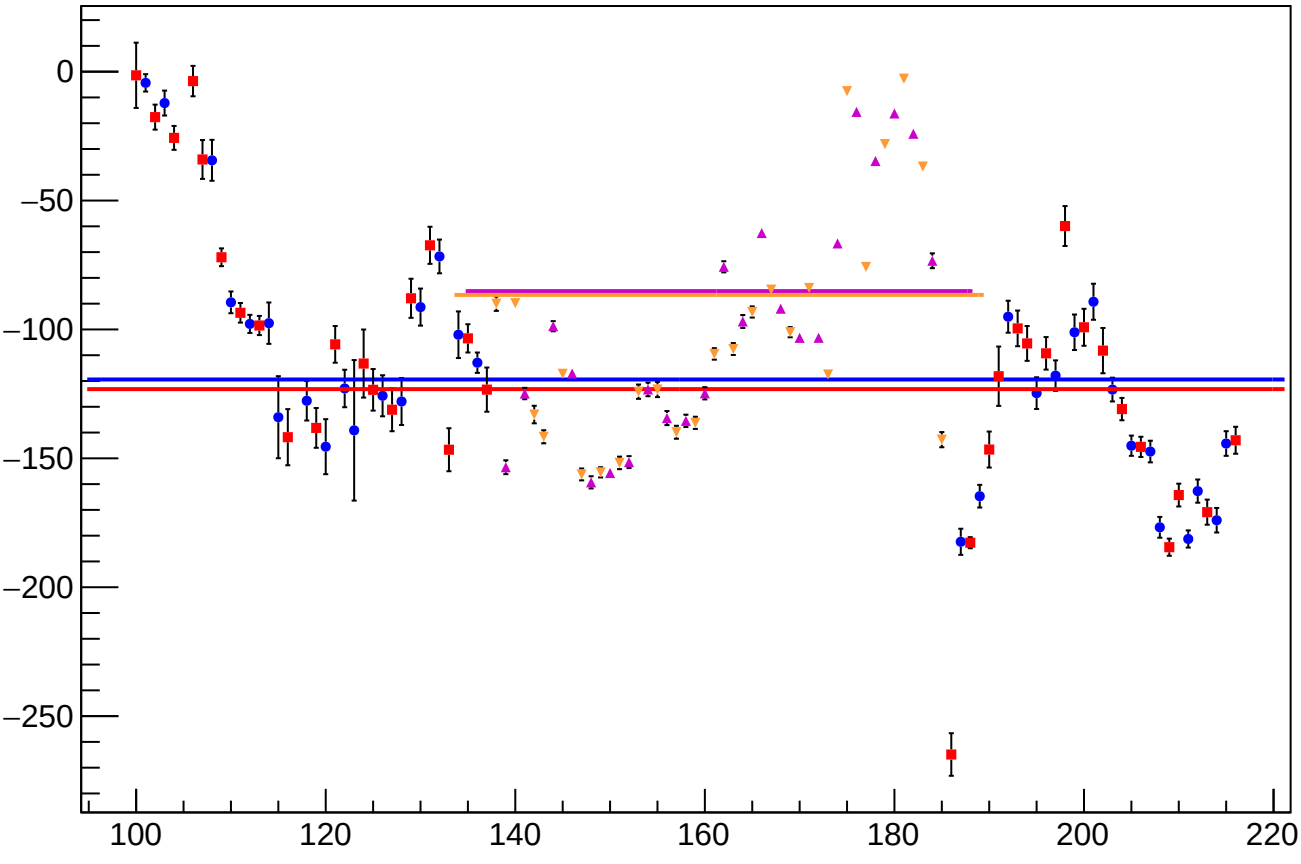
Left: 34.535+/-0.230 χ^2/NDF: 10910.7/47

Right: 39.064+/-0.524 χ^2/NDF: 5701.0/66

In: 35.474+/-0.301 χ^2/NDF:7433.7/54

Out: 35.063+/-0.294 χ^2/NDF:9239.8/59

All: 35.264+/-0.210 χ^2/NDF: 16674.4/114



Right In: -119.411+/-0.926 χ^2/NDF: 3141.8/31

Left Out: -86.595+/-0.408 χ^2/NDF:14515.7/24

Right Out: -123.154+/-0.890 χ^2/NDF: 3752.7/34

Left In: -85.134+/-0.415 χ^2/NDF:12841.3/22

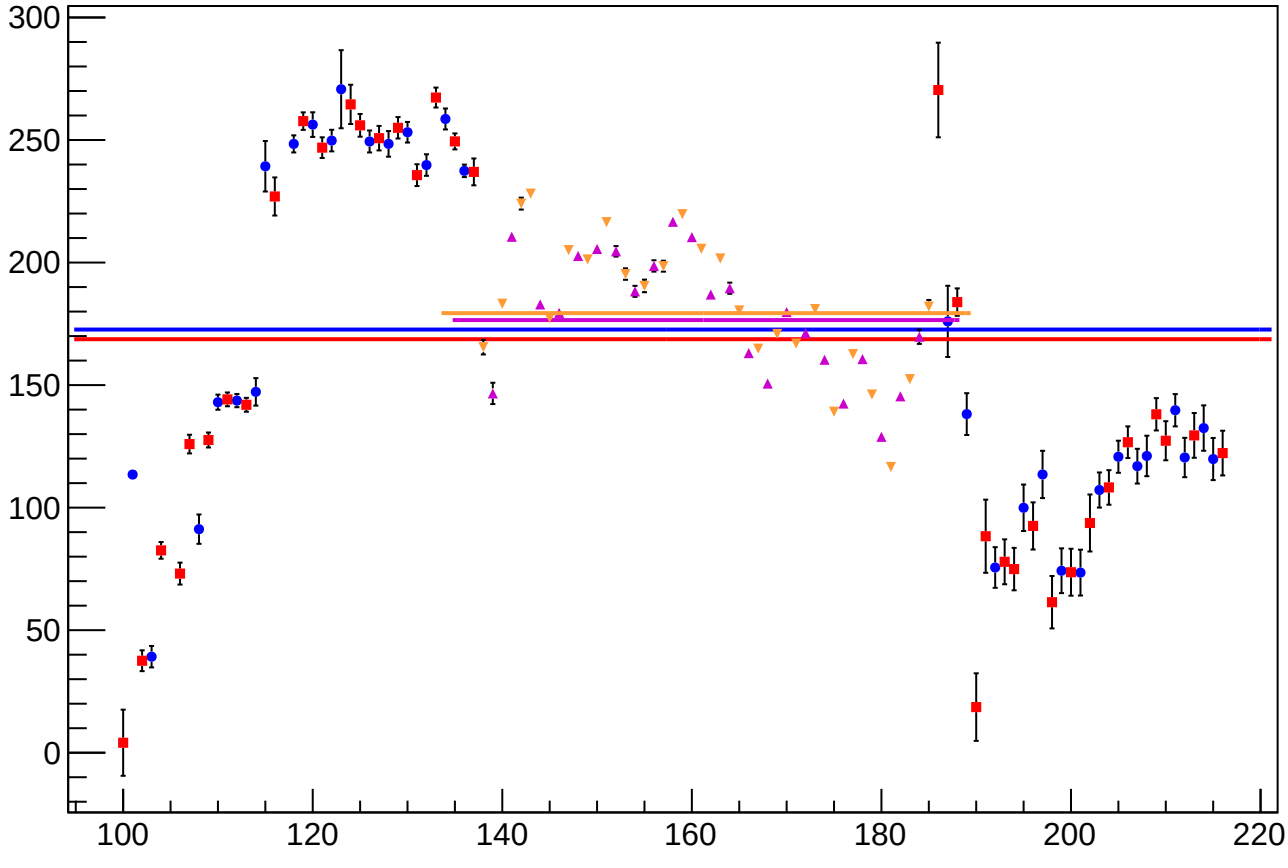
Left: -85.876+/-0.291 χ^2/NDF: 27363.3/47

Right: -121.355+/-0.642 χ^2/NDF: 6903.0/66

In: -90.872+/-0.379 χ^2/NDF:17124.9/54

Out: -92.950+/-0.371 χ^2/NDF:19661.0/59

All: -91.931+/-0.265 χ^2/NDF: 36801.2/114



Right In: 172.667+/-0.845 χ^2/NDF: 6304.9/31

Left Out: 179.359+/-0.362 χ^2/NDF:5982.2/24

Right Out: 168.723+/-0.850 χ^2/NDF: 7345.0/34

Left In: 176.531+/-0.371 χ^2/NDF:4426.0/22

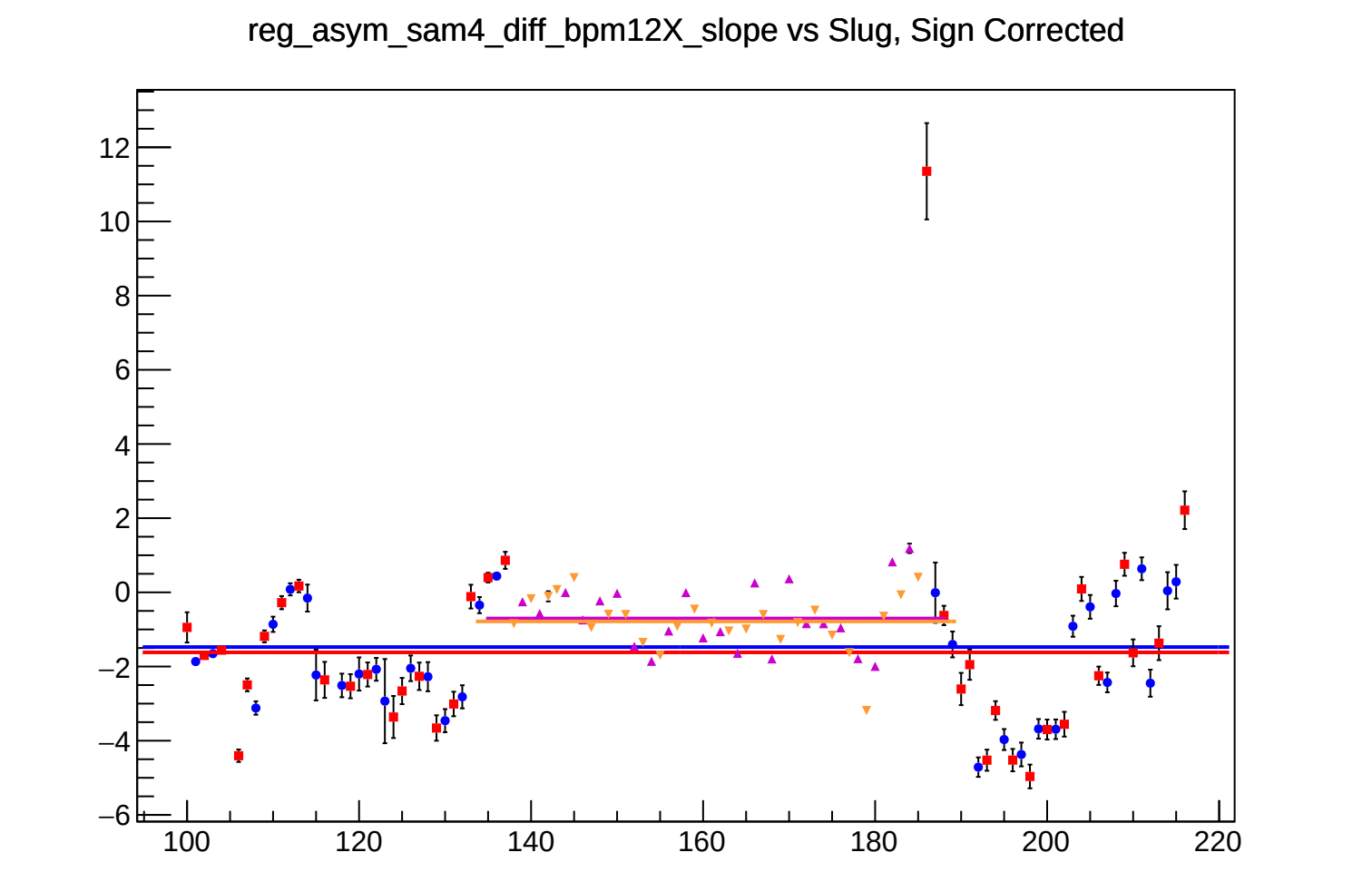
Left: 177.980+/-0.259 χ^2/NDF: 10438.0/47

Right: 170.707+/-0.599 χ^2/NDF: 13660.7/66

In: 175.907+/-0.340 χ^2/NDF:10748.4/54

Out: 177.728+/-0.333 χ^2/NDF:13459.7/59

All: 176.836+/-0.238 χ^2/NDF: 24222.7/114



Right In: -1.475+/-0.042 χ^2/NDF: 1234.5/31

Left Out: -0.783+/-0.017 χ^2/NDF:1771.6/24

Right Out: -1.618+/-0.040 χ^2/NDF: 1653.7/34

Left In: -0.705+/-0.017 χ^2/NDF:2407.7/22

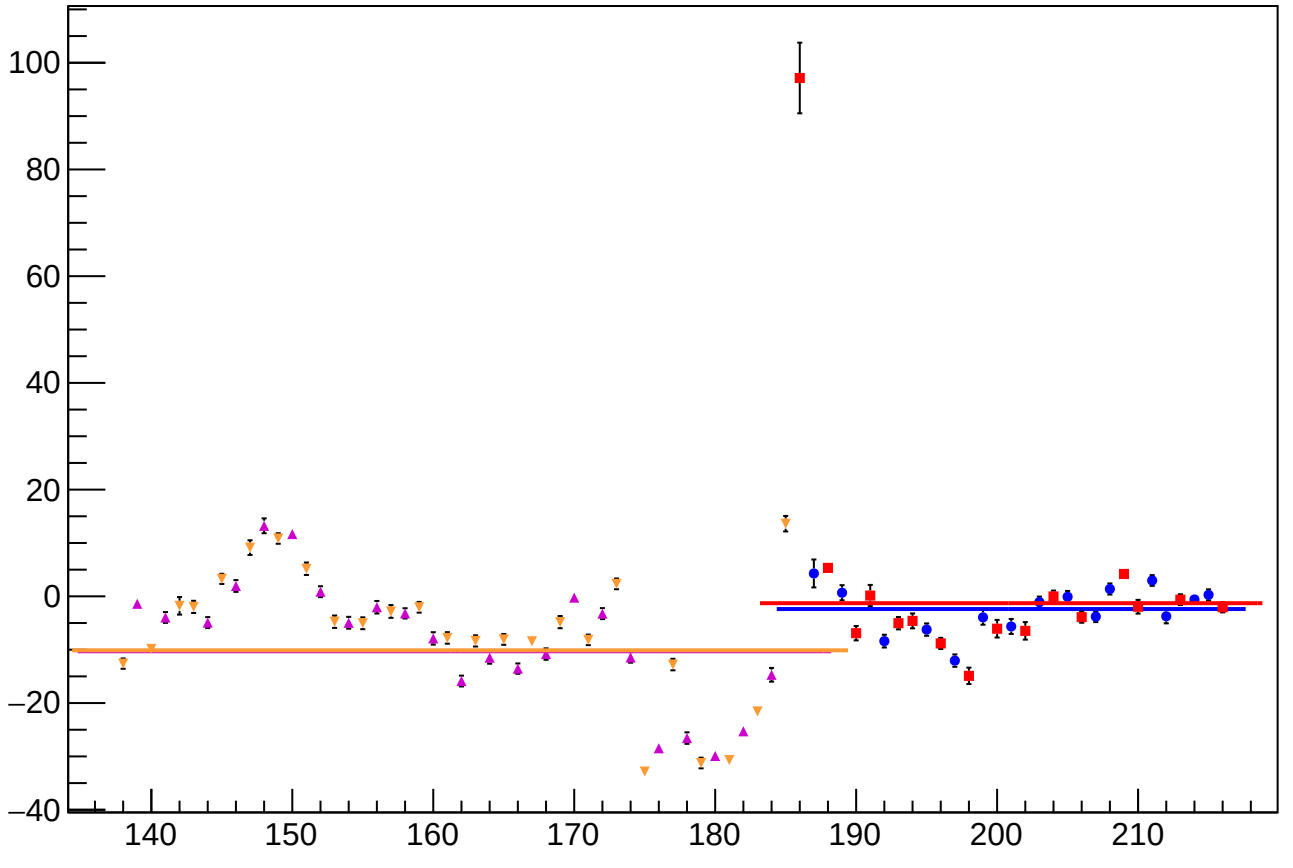
Left: -0.745+/-0.012 χ^2/NDF: 4190.3/47

Right: -1.550+/-0.029 χ^2/NDF: 2894.4/66

In: -0.814+/-0.016 χ^2/NDF:3936.1/54

Out: -0.906+/-0.015 χ^2/NDF:3797.6/59

All: -0.861+/-0.011 χ^2/NDF: 7751.4/114



Right In: -2.381+/-0.300 χ^2/NDF: 183.6/14

Left Out: -10.117+/-0.201 χ^2/NDF:4138.1/24

Right Out: -1.285+/-0.285 χ^2/NDF: 559.2/15

Left In: -10.290+/-0.205 χ^2/NDF:3451.0/22

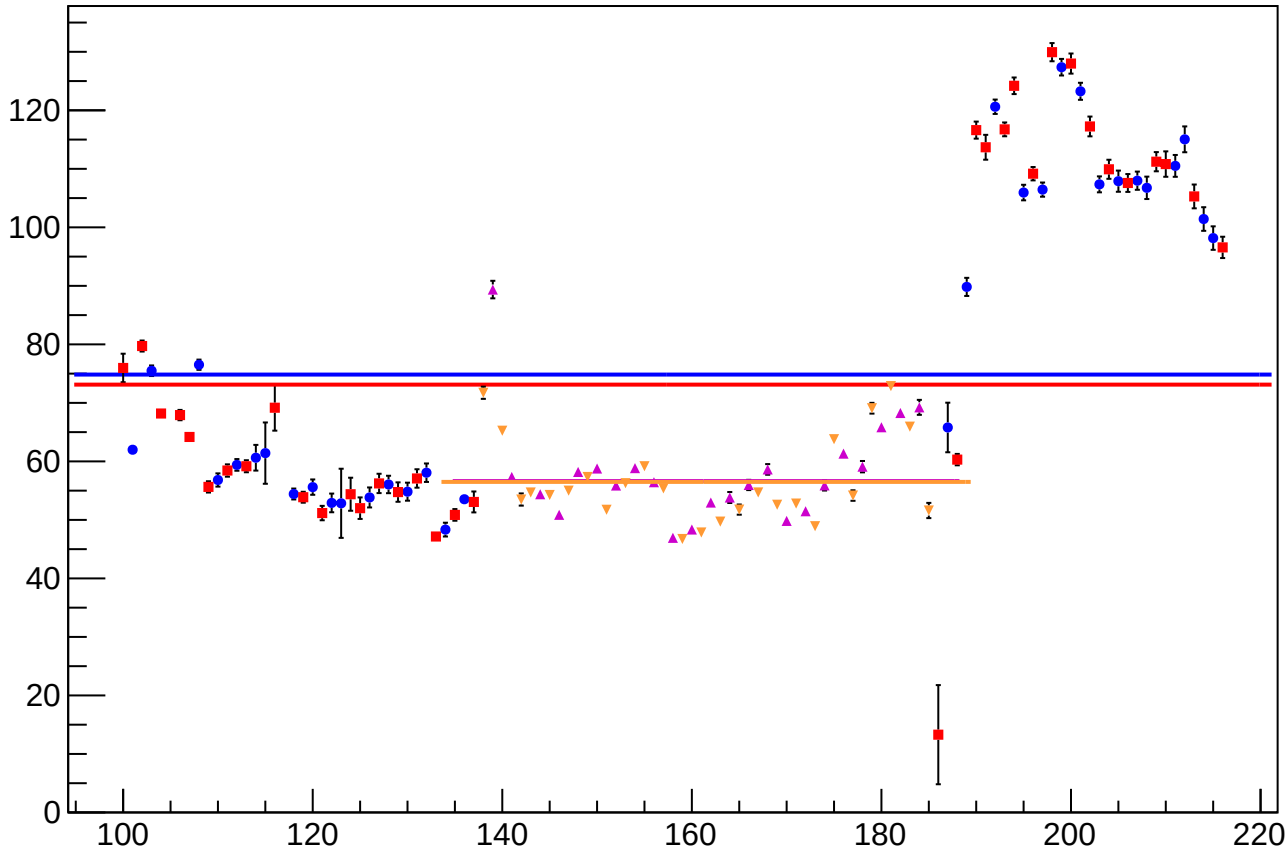
Left: -10.202+/-0.144 χ^2/NDF: 7589.5/47

Right: -1.804+/-0.207 χ^2/NDF: 749.8/30

In: -7.770+/-0.170 χ^2/NDF:4107.0/37

Out: -7.172+/-0.164 χ^2/NDF:5338.5/40

All: -7.462+/-0.118 χ^2/NDF: 9451.9/78



Right In: 74.838+/-0.222 χ^2/NDF: 11672.8/31

Left Out: 56.496+/-0.159 χ^2/NDF:1968.0/24

Right Out: 73.120+/-0.208 χ^2/NDF: 14822.1/34

Left In: 56.635+/-0.165 χ^2/NDF:1607.9/22

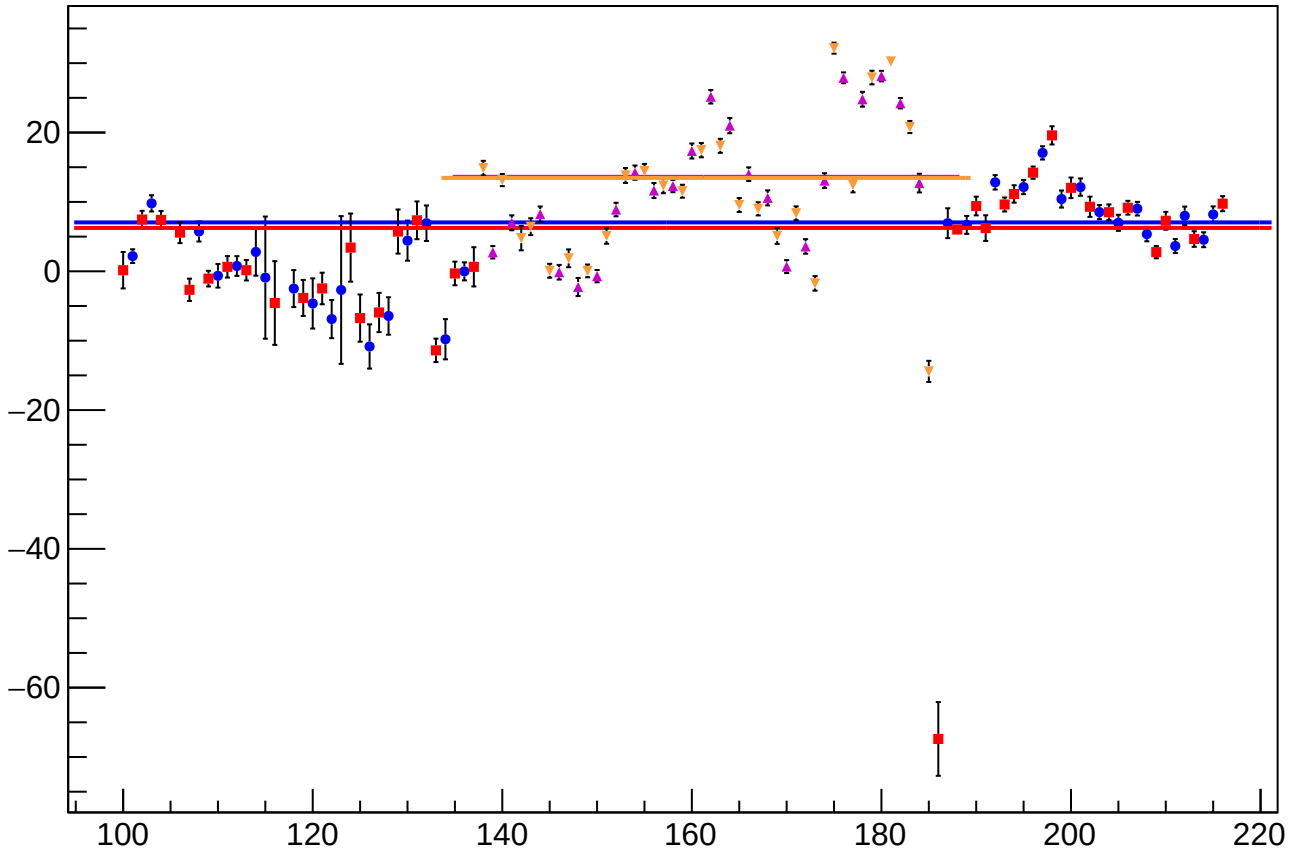
Left: 56.563+/-0.114 χ^2/NDF: 3576.3/47

Right: 73.924+/-0.152 χ^2/NDF: 26526.7/66

In: 63.119+/-0.132 χ^2/NDF:17609.2/54

Out: 62.608+/-0.126 χ^2/NDF:20815.8/59

All: 62.852+/-0.091 χ^2/NDF: 38432.8/114



Right In: 7.049+/-0.245 χ^2/NDF: 459.5/31

Left Out: 13.462+/-0.202 χ^2/NDF:2736.3/24

Right Out: 6.252+/-0.225 χ^2/NDF: 774.5/34

Left In: 13.620+/-0.204 χ^2/NDF:2315.4/22

Left: 13.540+/-0.144 χ^2/NDF: 5052.0/47

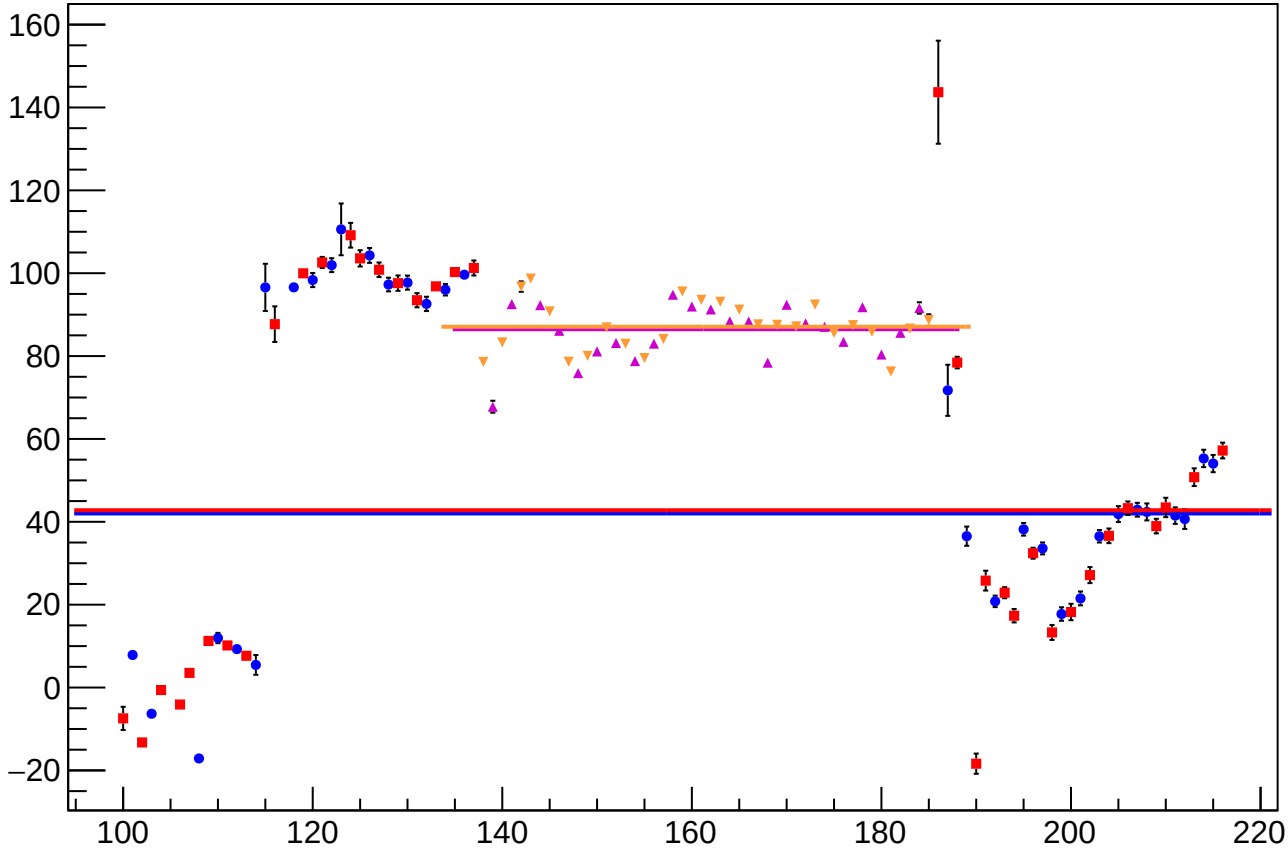
Right: 6.615+/-0.166 χ^2/NDF: 1239.8/66

In: 10.925+/-0.157 χ^2/NDF:3198.5/54

Out: 10.246+/-0.150 χ^2/NDF:4082.0/59

All: 10.570+/-0.108 χ^2/NDF: 7290.3/114

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.018+/-0.255 χ^2/NDF: 25547.0/31

Left Out: 87.087+/-0.179 χ^2/NDF:1085.8/24

Right Out: 42.789+/-0.244 χ^2/NDF: 30835.0/34

Left In: 86.482+/-0.185 χ^2/NDF:1003.2/22

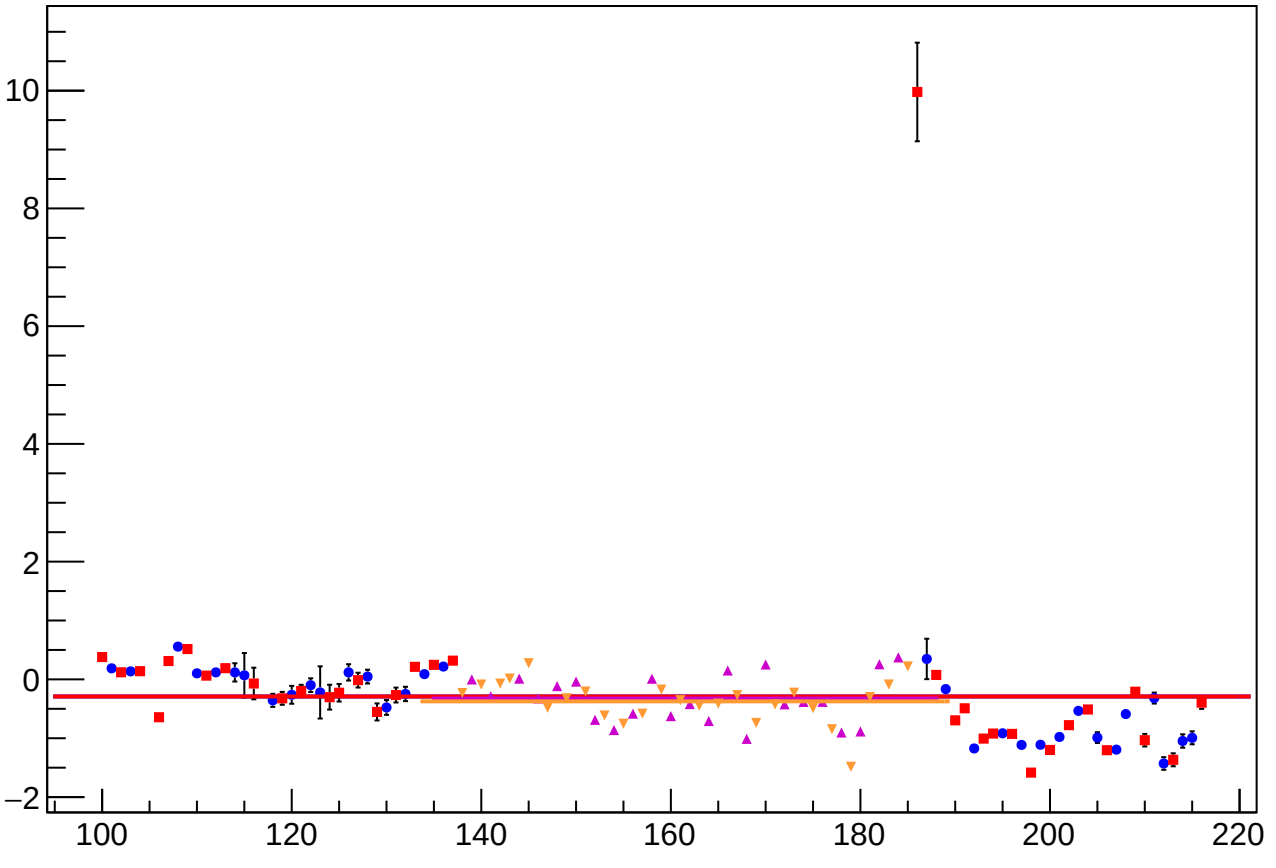
Left: 86.794+/-0.129 χ^2/NDF: 2094.5/47

Right: 42.421+/-0.176 χ^2/NDF: 56386.8/66

In: 71.226+/-0.150 χ^2/NDF:46452.9/54

Out: 71.567+/-0.144 χ^2/NDF:53358.5/59

All: 71.403+/-0.104 χ^2/NDF: 99814.0/114



Right In: -0.291+/-0.011 χ^2/NDF: 3395.8/31

Left Out: -0.373+/-0.008 χ^2/NDF:1668.6/24

Right Out: -0.291+/-0.010 χ^2/NDF: 3704.8/34

Left In: -0.325+/-0.008 χ^2/NDF:2284.1/22

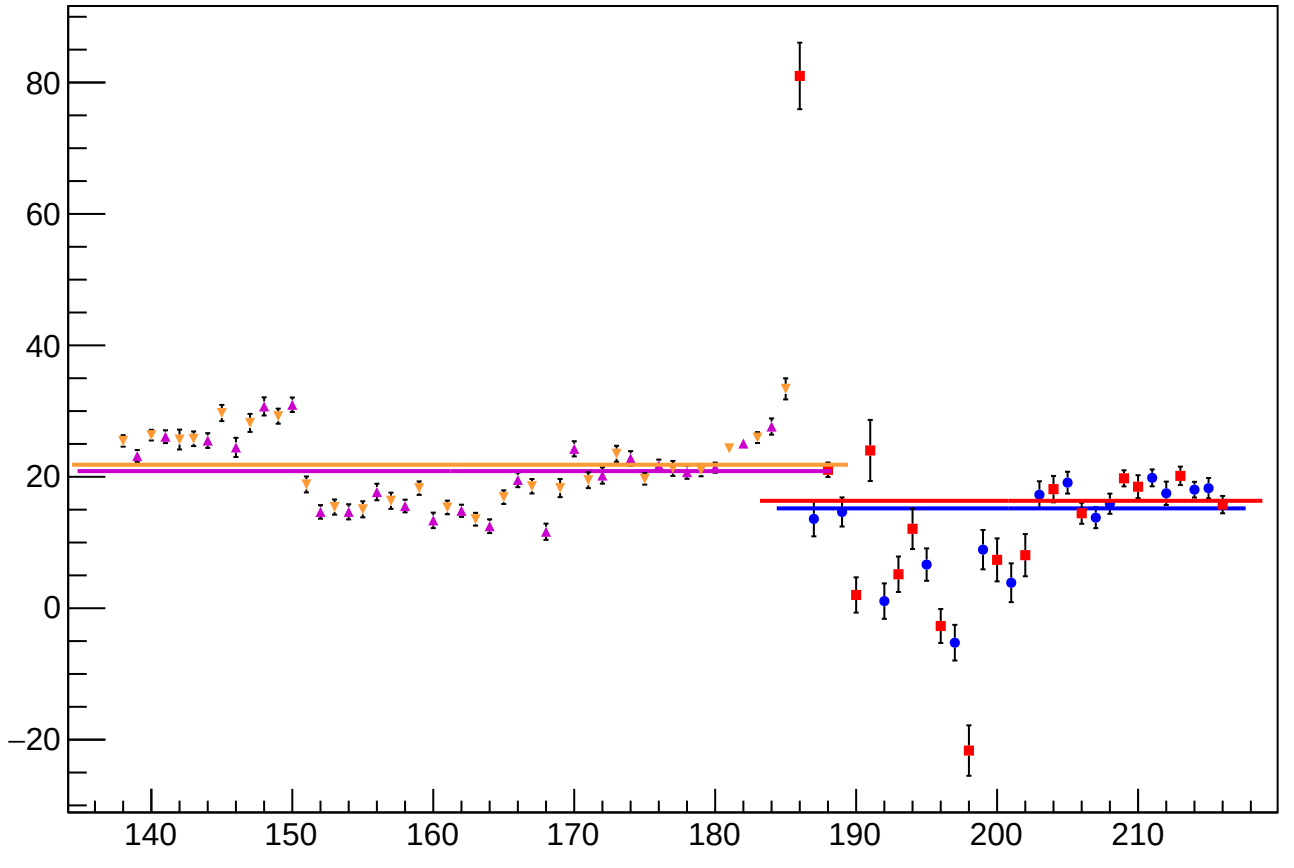
Left: -0.349+/-0.006 χ^2/NDF: 3970.2/47

Right: -0.291+/-0.007 χ^2/NDF: 7100.6/66

In: -0.312+/-0.006 χ^2/NDF:5686.6/54

Out: -0.340+/-0.006 χ^2/NDF:5414.8/59

All: -0.327+/-0.005 χ^2/NDF: 11111.0/114



Right In: 15.194+/-0.473 χ^2/NDF: 147.4/14

Left Out: 21.836+/-0.210 χ^2/NDF:524.3/24

Right Out: 16.349+/-0.476 χ^2/NDF: 416.8/15

Left In: 20.866+/-0.217 χ^2/NDF:576.9/22

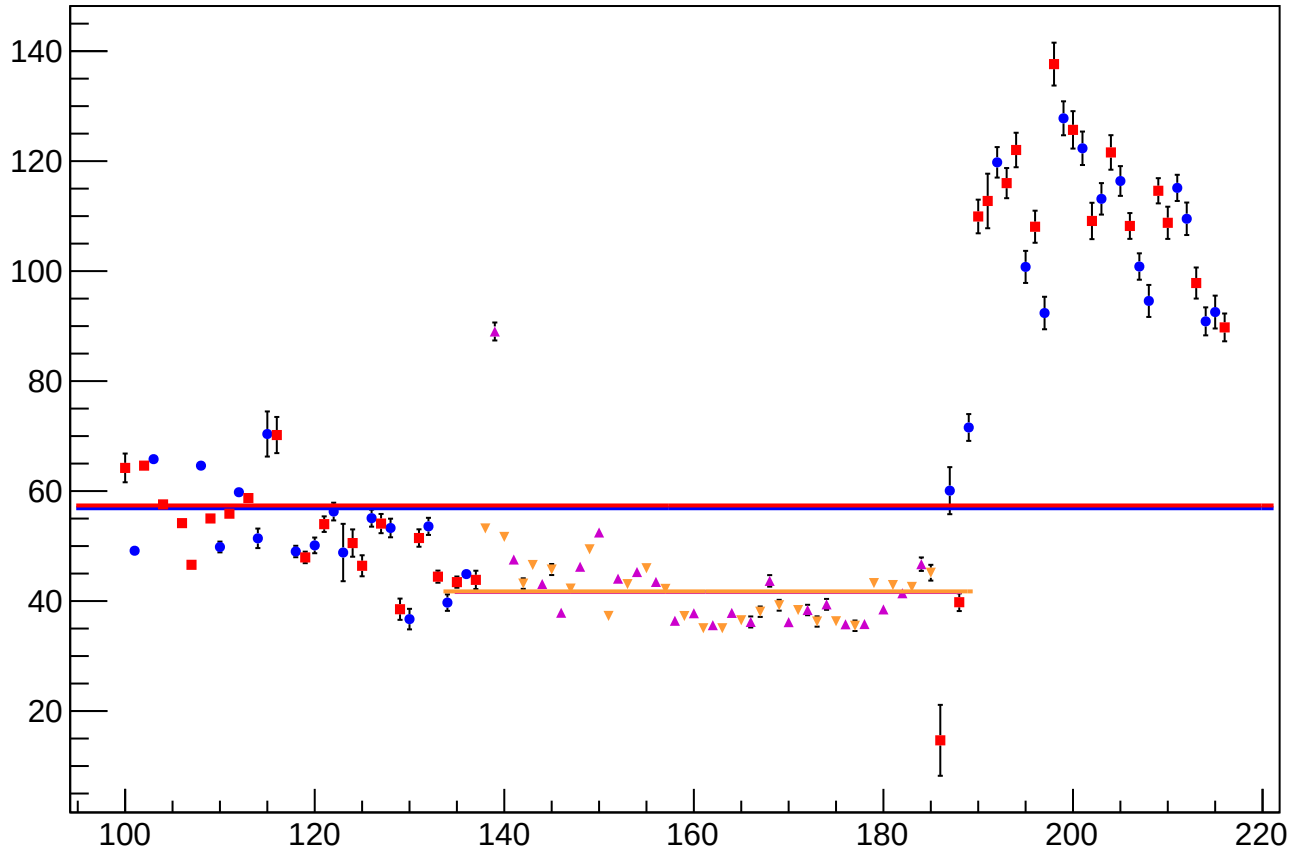
Left: 21.366+/-0.151 χ^2/NDF: 1111.6/47

Right: 15.768+/-0.336 χ^2/NDF: 567.2/30

In: 19.884+/-0.197 χ^2/NDF:843.0/37

Out: 20.945+/-0.192 χ^2/NDF:1052.3/40

All: 20.428+/-0.137 χ^2/NDF: 1910.2/78



Right In: 56.877+/-0.203 χ^2/NDF: 6058.9/31

Left Out: 41.757+/-0.165 χ^2/NDF:1015.7/24

Right Out: 57.382+/-0.216 χ^2/NDF: 6224.9/34

Left In: 41.643+/-0.174 χ^2/NDF:1611.0/22

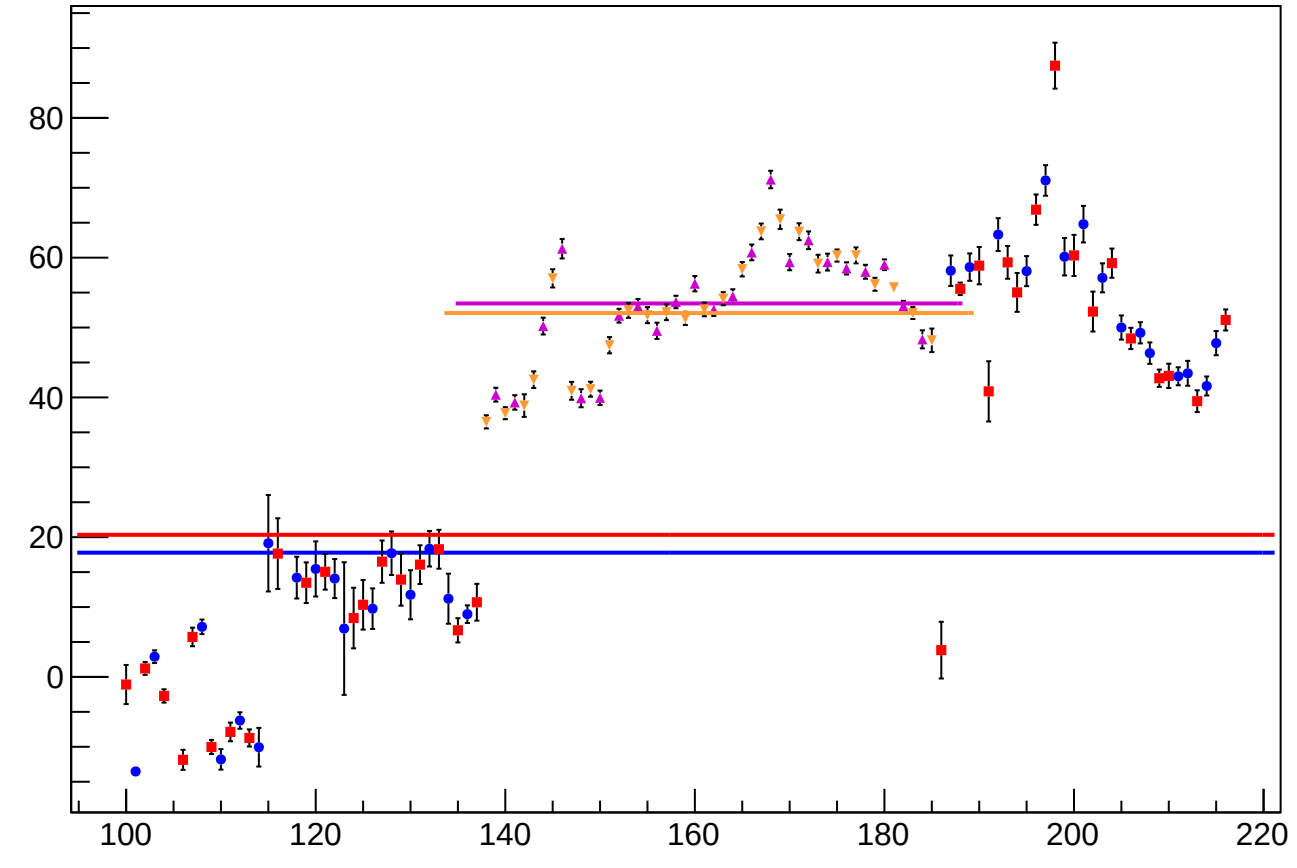
Left: 41.703+/-0.120 χ^2/NDF: 2626.9/47

Right: 57.114+/-0.148 χ^2/NDF: 12286.7/66

In: 48.099+/-0.132 χ^2/NDF:10927.0/54

Out: 47.536+/-0.131 χ^2/NDF:10542.5/59

All: 47.816+/-0.093 χ^2/NDF: 21478.7/114



Right In: 17.781+/-0.287 χ^2/NDF: 9246.2/31

Left Out: 52.076+/-0.210 χ^2/NDF:1450.9/24

Right Out: 20.336+/-0.290 χ^2/NDF: 8890.4/34

Left In: 53.447+/-0.215 χ^2/NDF:1169.0/22

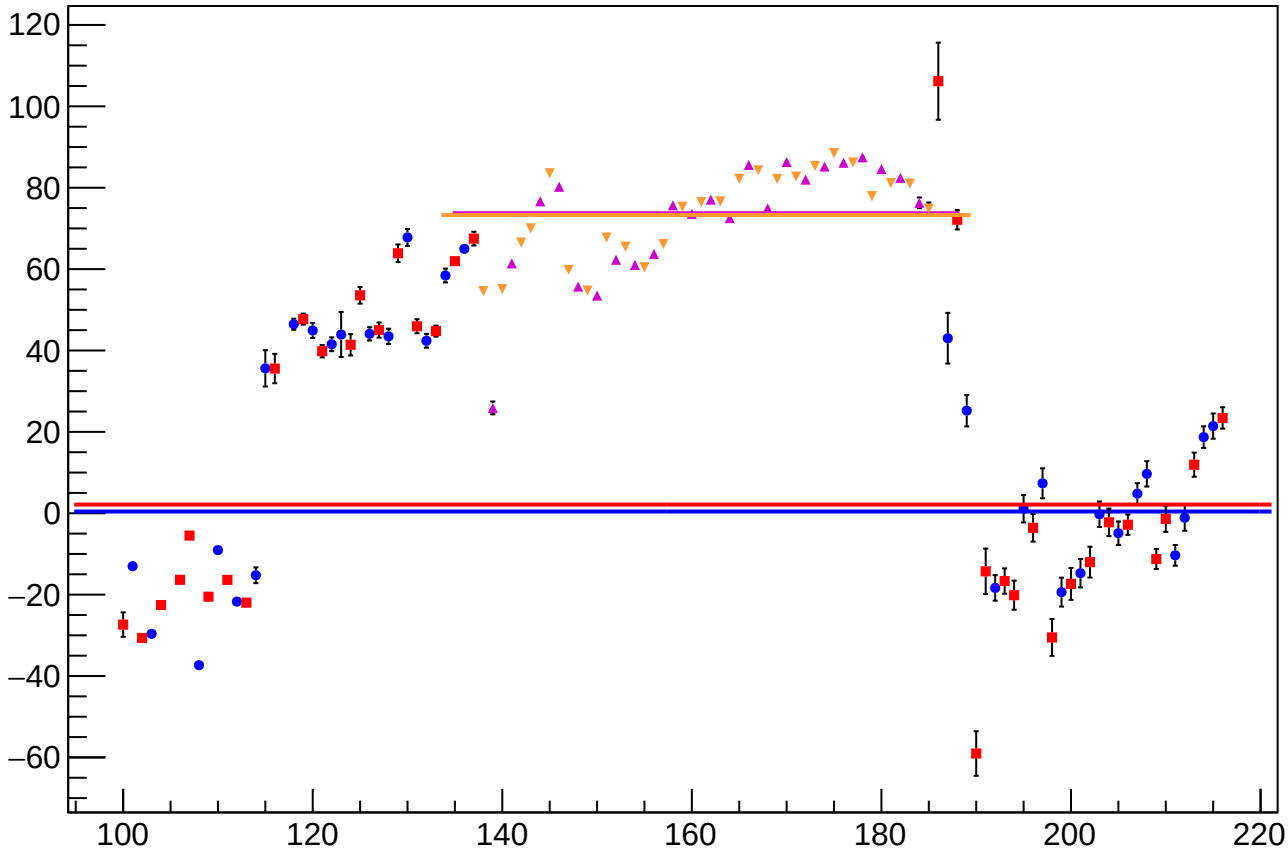
Left: 52.744+/-0.150 χ^2/NDF: 2640.6/47

Right: 19.047+/-0.204 χ^2/NDF: 18175.7/66

In: 40.628+/-0.172 χ^2/NDF:20273.7/54

Out: 41.162+/-0.170 χ^2/NDF:18195.9/59

All: 40.899+/-0.121 χ^2/NDF: 38474.4/114



Right In: 0.427+/-0.237 χ^2/NDF: 18524.2/31

Left Out: 73.284+/-0.187 χ^2/NDF:3144.2/24

Right Out: 2.134+/-0.254 χ^2/NDF: 16812.8/34

Left In: 73.730+/-0.194 χ^2/NDF:3775.8/22

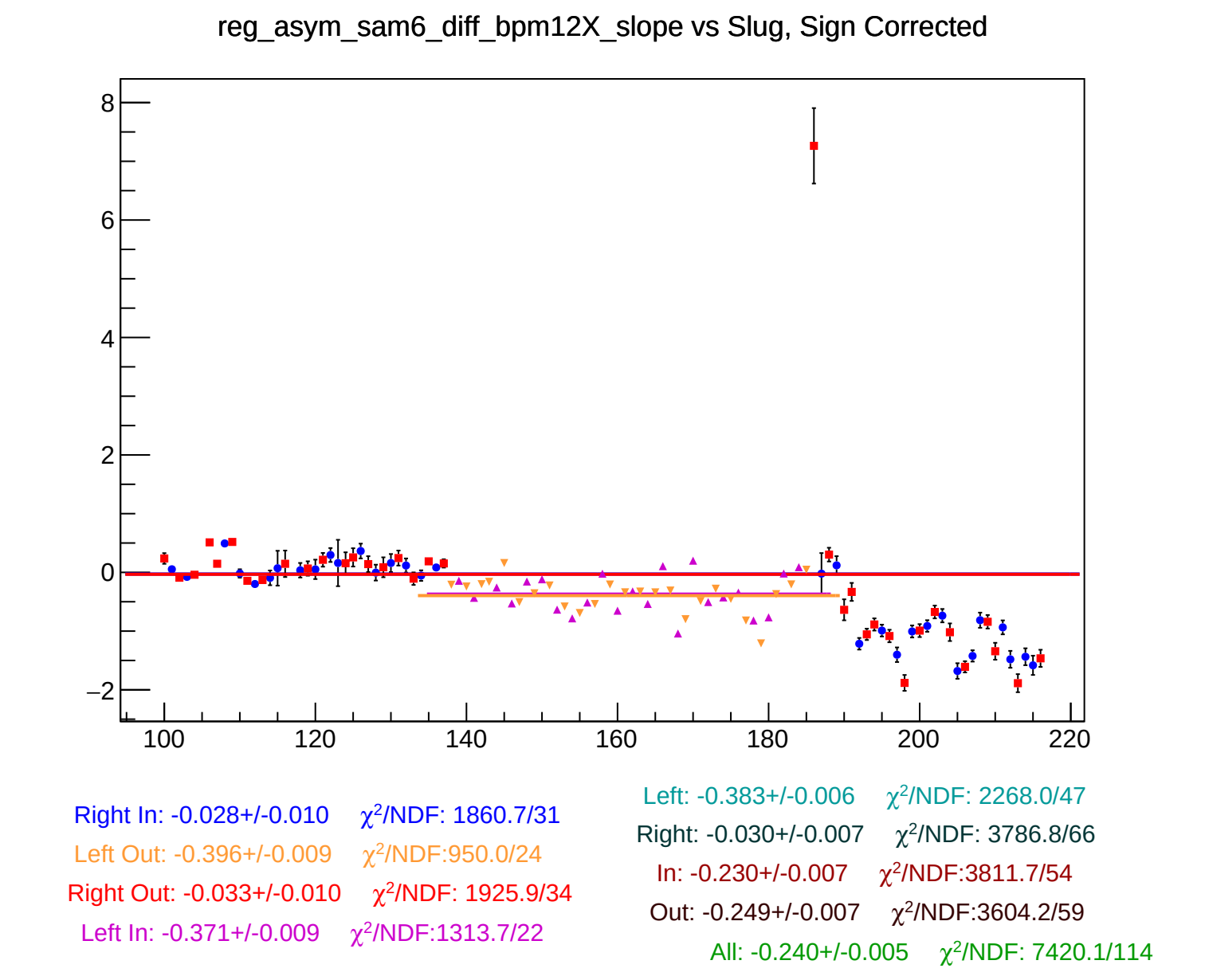
Left: 73.498+/-0.135 χ^2/NDF: 6922.7/47

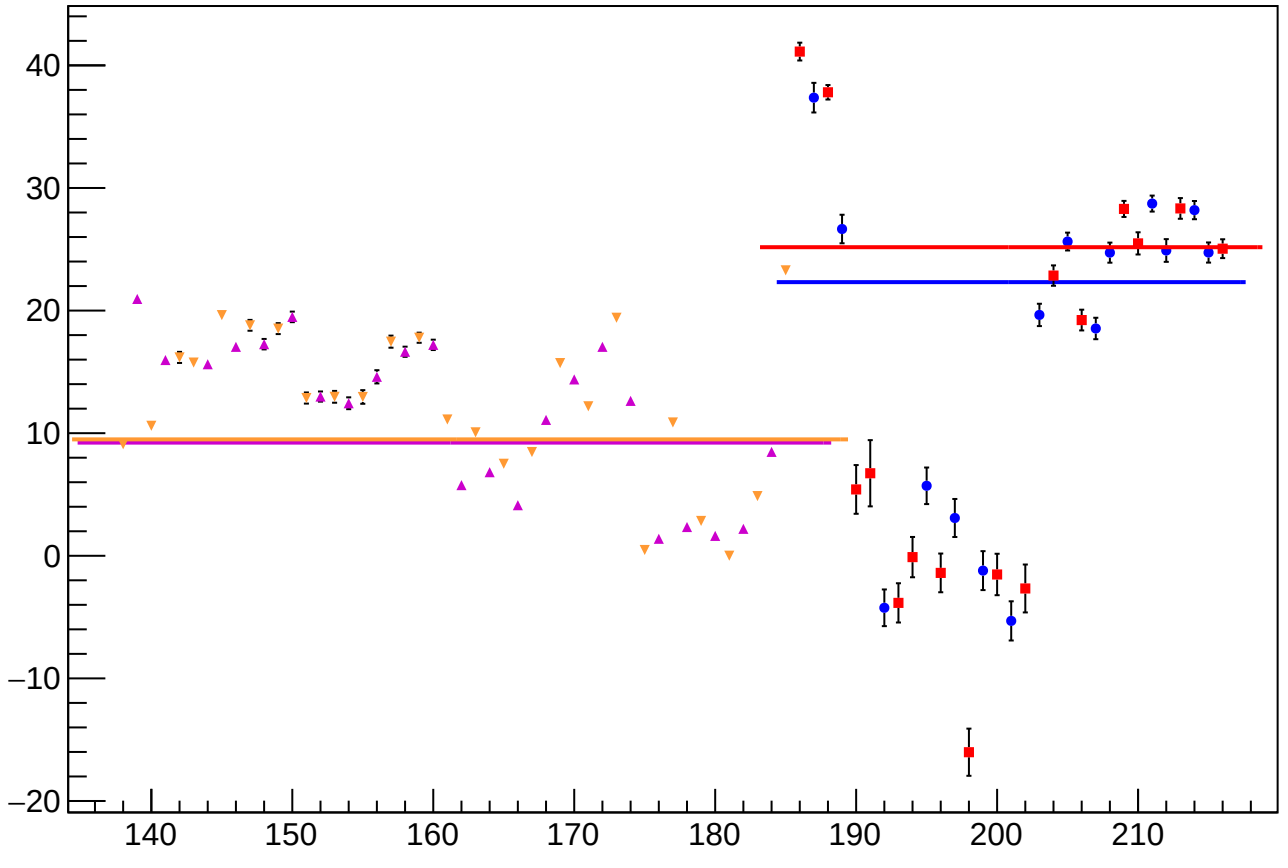
Right: 1.223+/-0.173 χ^2/NDF: 35361.2/66

In: 44.263+/-0.150 χ^2/NDF:79495.3/54

Out: 48.273+/-0.150 χ^2/NDF:70928.3/59

All: 46.266+/-0.106 χ^2/NDF: 150779.3/114


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.028+/-0.010 χ²/NDF: 1860.7/31
Left Out: -0.396+/-0.009 χ²/NDF:950.0/24
Right Out: -0.033+/-0.010 χ²/NDF: 1925.9/34
Left In: -0.371+/-0.009 χ²/NDF:1313.7/22
Left: -0.383+/-0.006 χ²/NDF: 2268.0/47
Right: -0.030+/-0.007 χ²/NDF: 3786.8/66
In: -0.230+/-0.007 χ²/NDF:3811.7/54
Out: -0.249+/-0.007 χ²/NDF:3604.2/59
All: -0.240+/-0.005 χ²/NDF: 7420.1/114



Right In: 22.320+/-0.248 χ^2/NDF: 1512.8/14

Left Out: 9.495+/-0.061 χ^2/NDF:12609.1/24

Right Out: 25.170+/-0.245 χ^2/NDF: 2937.6/15

Left In: 9.231+/-0.063 χ^2/NDF:10736.2/22

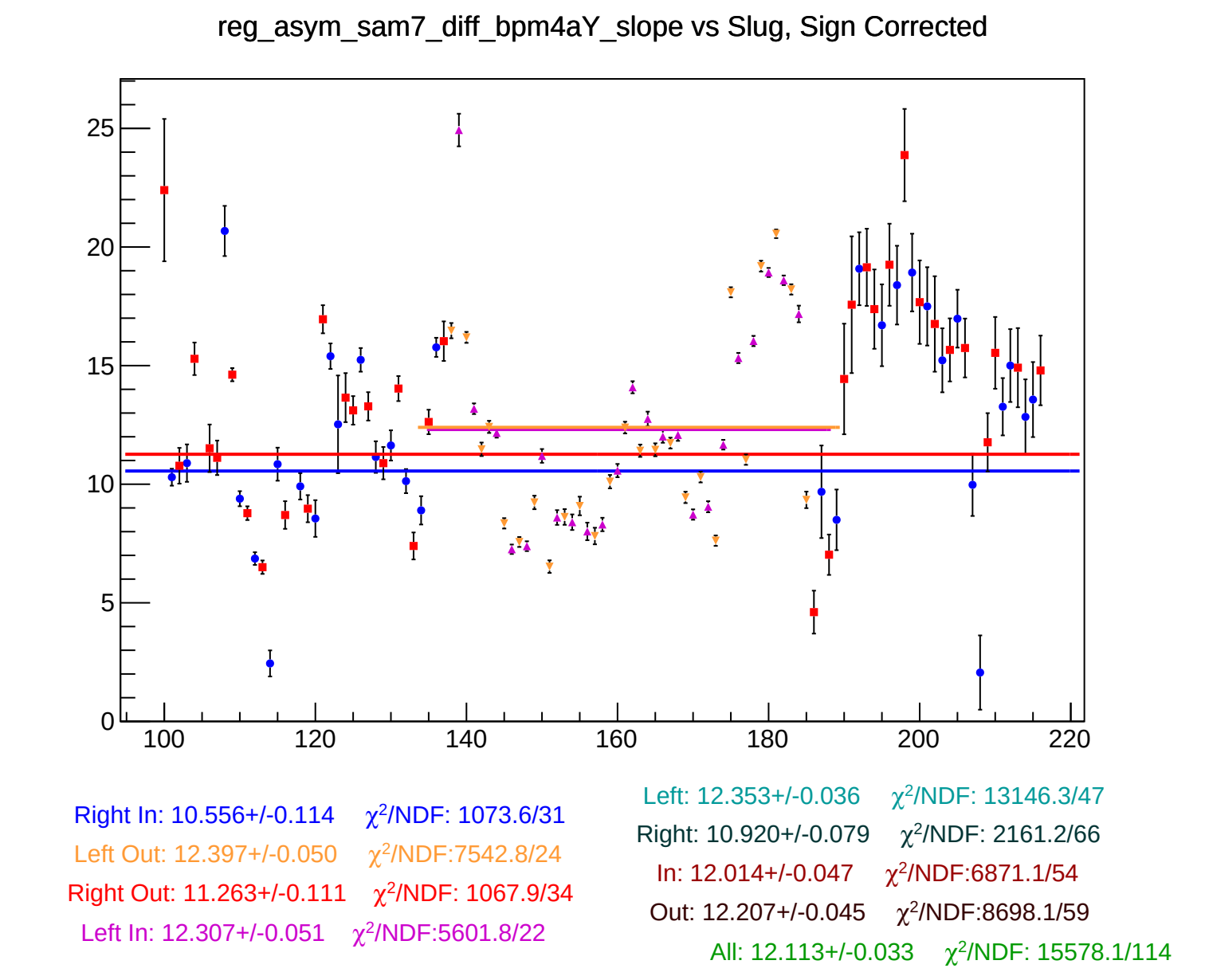
Left: 9.367+/-0.044 χ^2/NDF: 23354.3/47

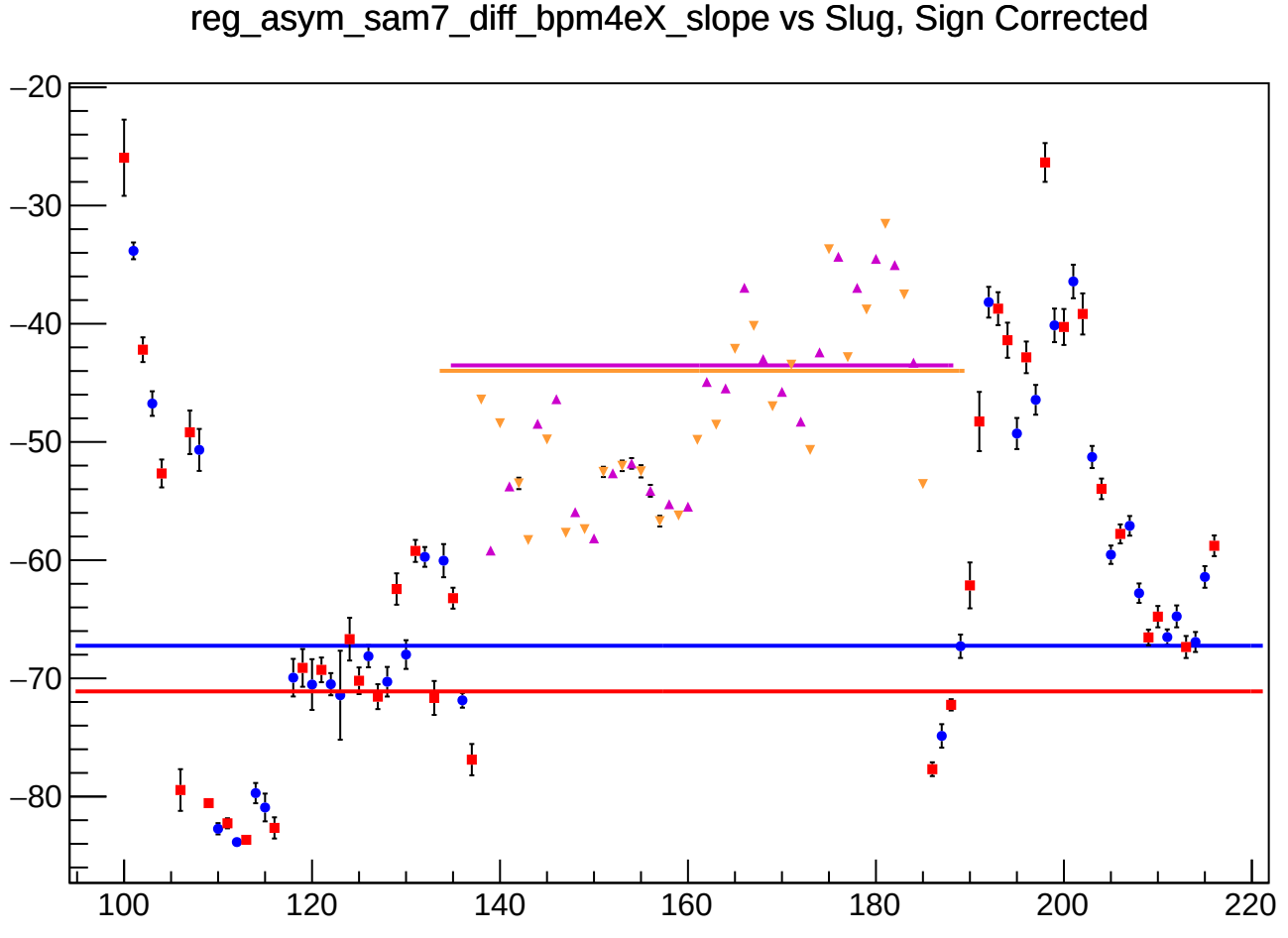
Right: 23.765+/-0.174 χ^2/NDF: 4517.2/30

In: 10.024+/-0.061 χ^2/NDF:14861.2/37

Out: 10.418+/-0.059 χ^2/NDF:19404.5/40

All: 10.226+/-0.043 χ^2/NDF: 34287.0/78


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 10.556+/-0.114 χ²/NDF: 1073.6/31
Left Out: 12.397+/-0.050 χ²/NDF:7542.8/24
Right Out: 11.263+/-0.111 χ²/NDF: 1067.9/34
Left In: 12.307+/-0.051 χ²/NDF:5601.8/22
Left: 12.353+/-0.036 χ²/NDF: 13146.3/47
Right: 10.920+/-0.079 χ²/NDF: 2161.2/66
In: 12.014+/-0.047 χ²/NDF:6871.1/54
Out: 12.207+/-0.045 χ²/NDF:8698.1/59
All: 12.113+/-0.033 χ²/NDF: 15578.1/114



Right In: -67.242+/-0.154 χ^2/NDF: 8657.6/31

Left Out: -43.982+/-0.062 χ^2/NDF:17736.8/24

Right Out: -71.104+/-0.142 χ^2/NDF: 8287.0/34

Left In: -43.523+/-0.063 χ^2/NDF:15267.1/22

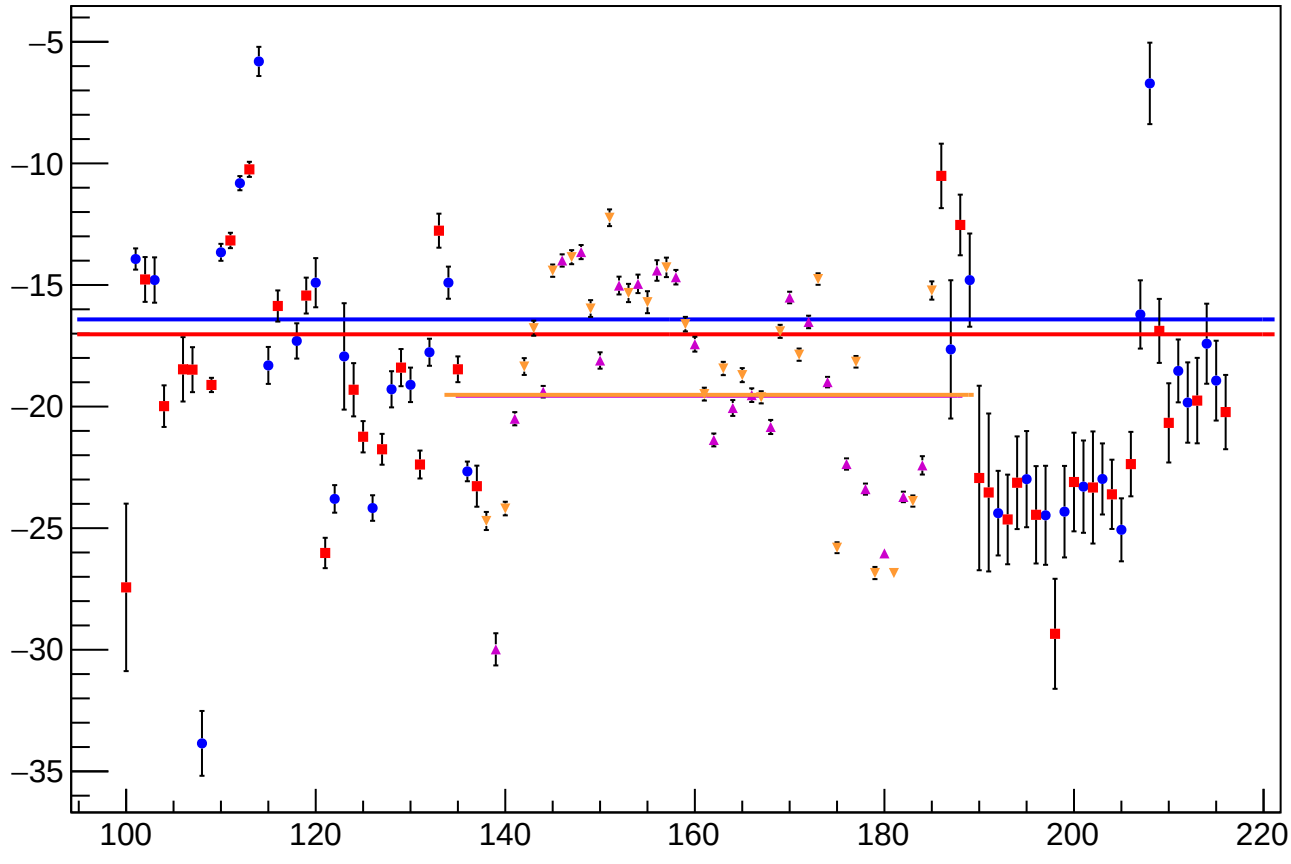
Left: -43.757+/-0.044 χ^2/NDF: 33030.8/47

Right: -69.334+/-0.104 χ^2/NDF: 17284.2/66

In: -46.945+/-0.059 χ^2/NDF:44169.7/54

Out: -48.324+/-0.057 χ^2/NDF:56725.0/59

All: -47.656+/-0.041 χ^2/NDF: 101180.3/114



Right In: -16.415+/-0.127 χ^2/NDF: 1814.2/31

Left Out: -19.517+/-0.056 χ^2/NDF:6518.3/24

Right Out: -17.028+/-0.123 χ^2/NDF: 1395.1/34

Left In: -19.555+/-0.057 χ^2/NDF:4311.2/22

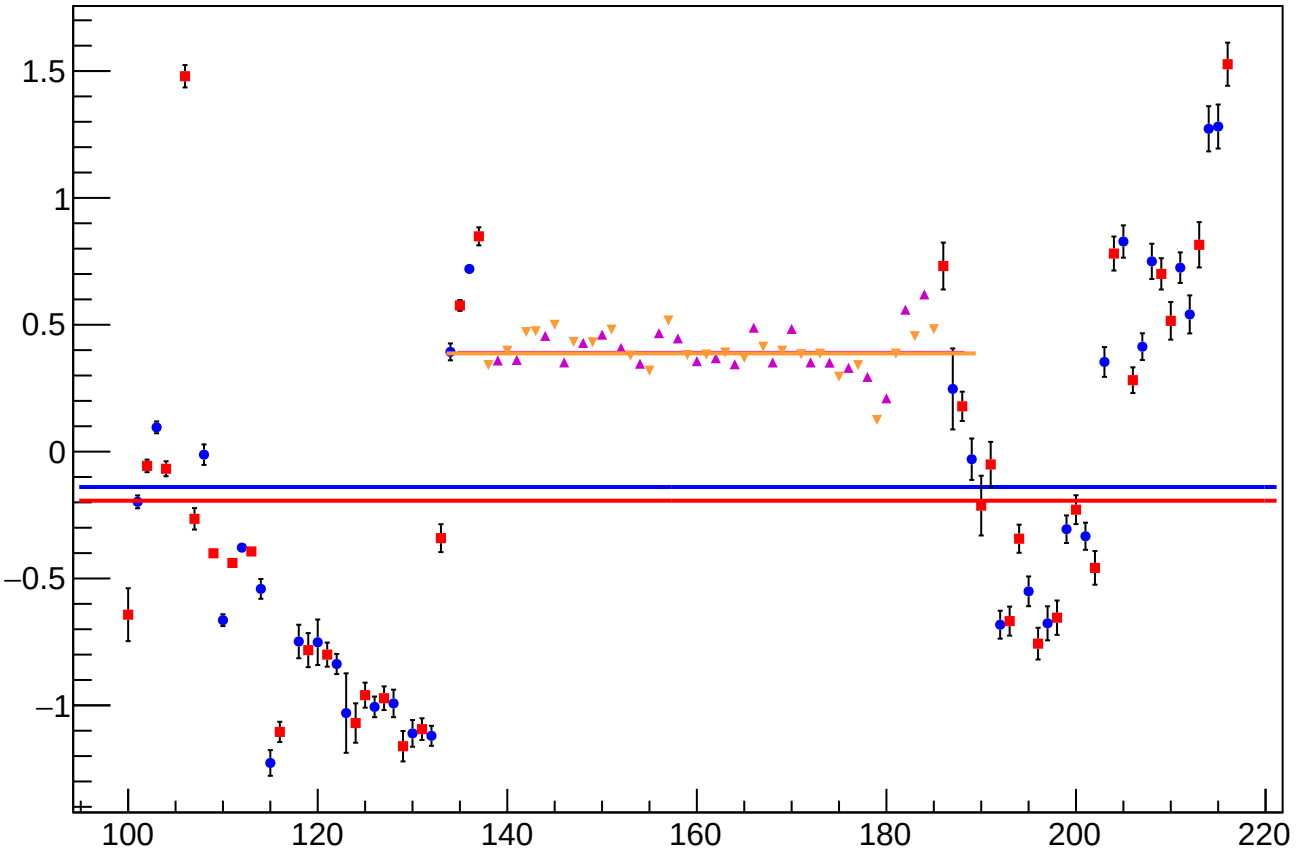
Left: -19.536+/-0.040 χ^2/NDF: 10829.6/47

Right: -16.732+/-0.088 χ^2/NDF: 3221.3/66

In: -19.023+/-0.052 χ^2/NDF:6633.6/54

Out: -19.092+/-0.051 χ^2/NDF:8254.0/59

All: -19.058+/-0.036 χ^2/NDF: 14888.6/114



Right In: -0.140+/-0.007 χ^2/NDF: 7994.0/31

Left Out: 0.387+/-0.003 χ^2/NDF:995.0/24

Right Out: -0.193+/-0.007 χ^2/NDF: 7716.2/34

Left In: 0.389+/-0.003 χ^2/NDF:1256.9/22

Left: 0.388+/-0.002 χ^2/NDF: 2252.2/47

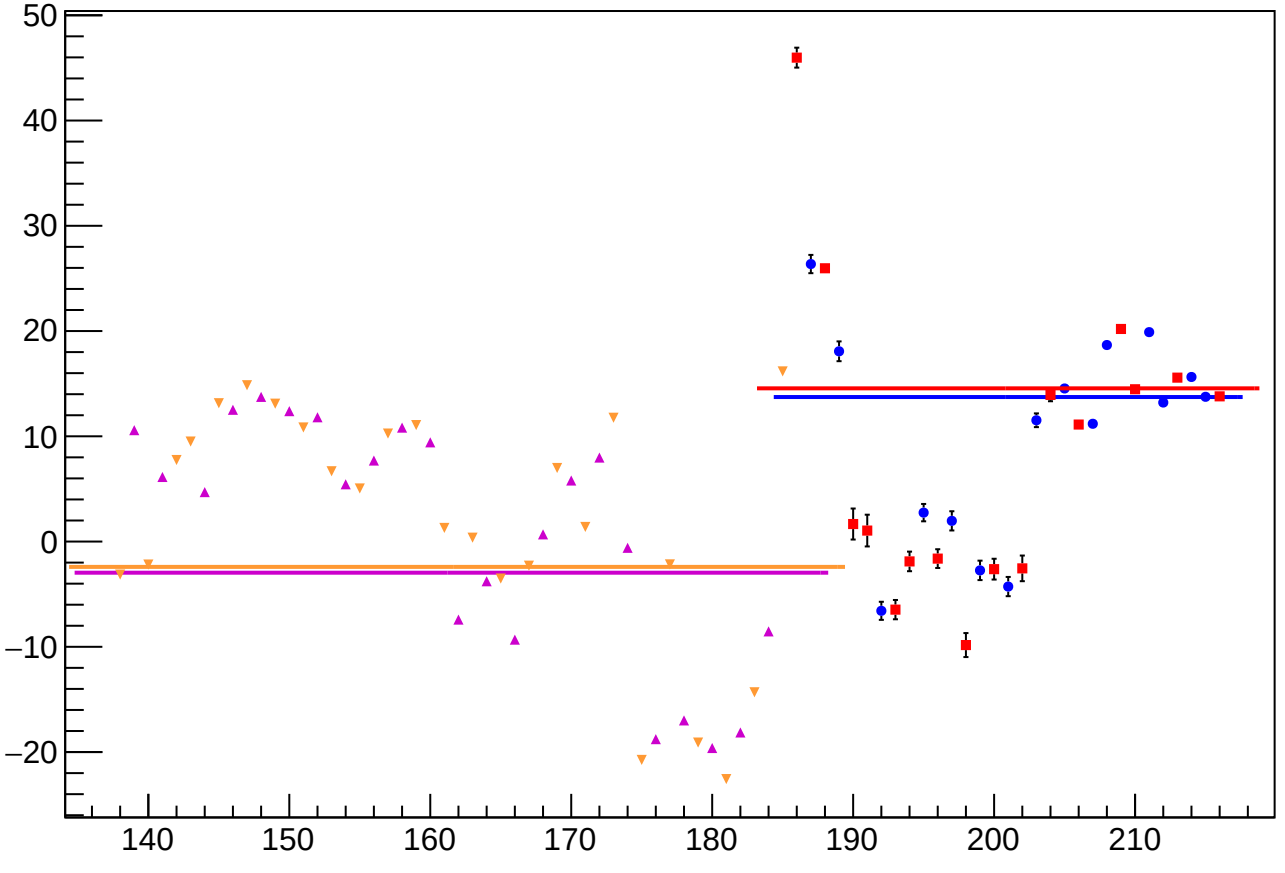
Right: -0.168+/-0.005 χ^2/NDF: 15742.1/66

In: 0.322+/-0.002 χ^2/NDF:14390.7/54

Out: 0.311+/-0.002 χ^2/NDF:15436.6/59

All: 0.317+/-0.002 χ^2/NDF: 29838.0/114

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.731+/-0.138 χ^2/NDF: 2374.3/14

Left Out: -2.407+/-0.053 χ^2/NDF:56368.5/24

Right Out: 14.556+/-0.145 χ^2/NDF: 4435.4/15

Left In: -2.959+/-0.055 χ^2/NDF:45922.6/22

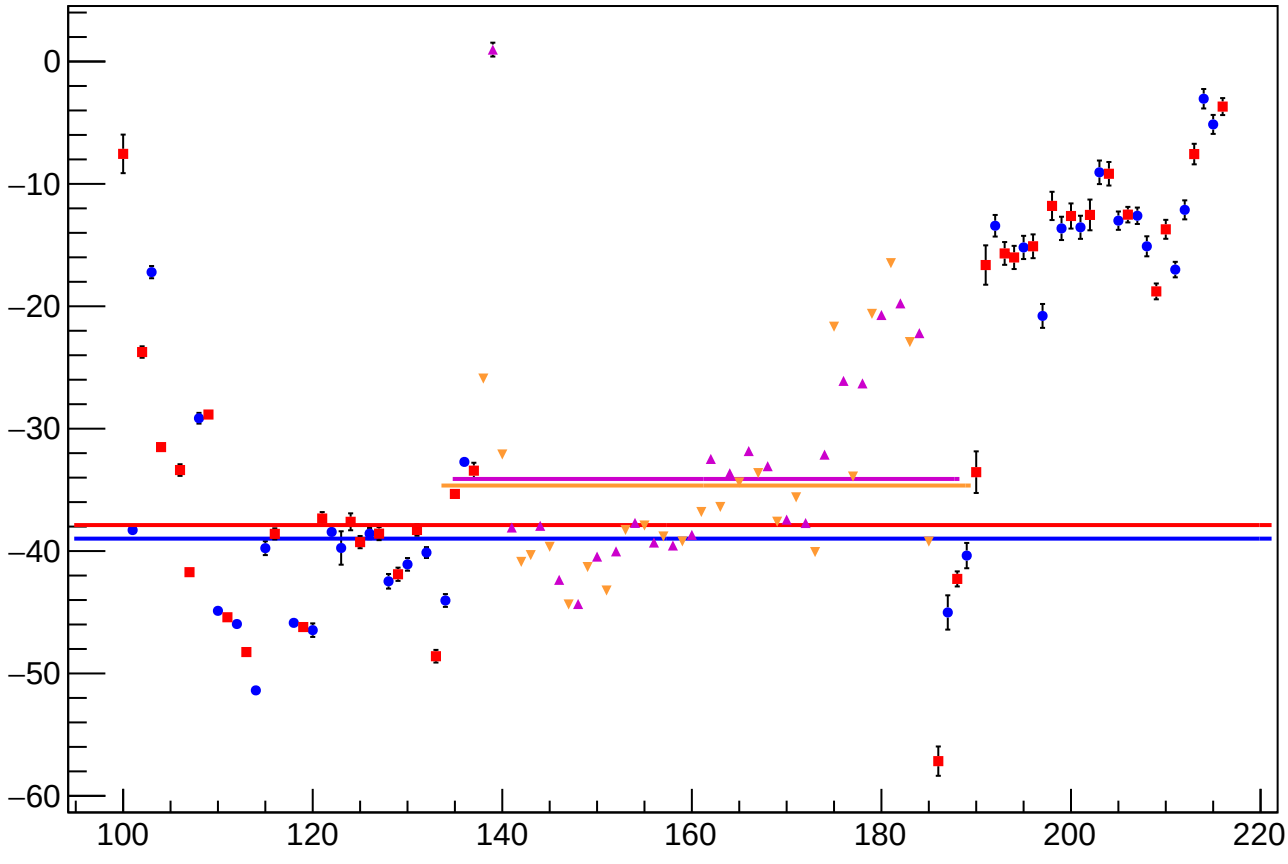
Left: -2.672+/-0.038 χ^2/NDF: 102343.8/47

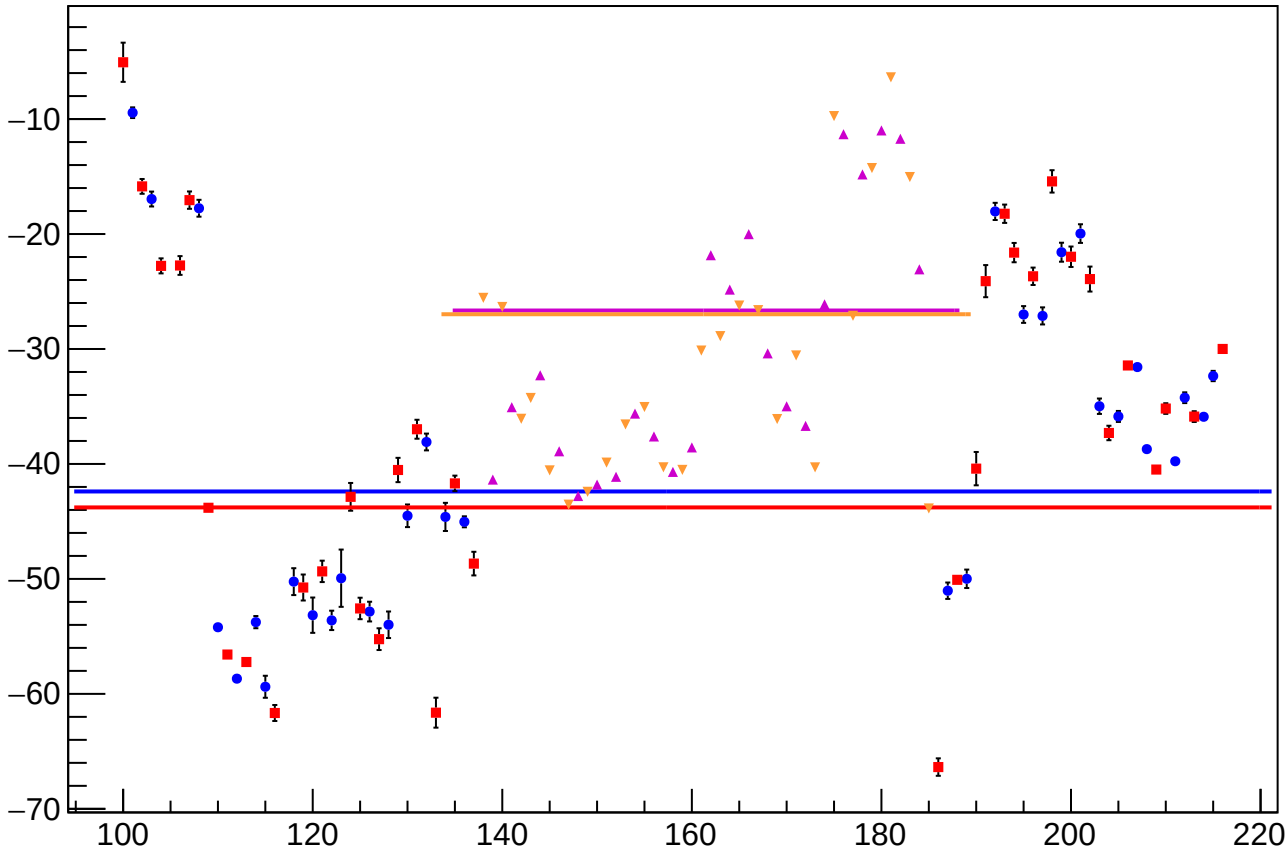
Right: 14.123+/-0.100 χ^2/NDF: 6826.9/30

In: -0.672+/-0.051 χ^2/NDF:60982.9/37

Out: -0.411+/-0.050 χ^2/NDF:72959.8/40

All: -0.538+/-0.036 χ^2/NDF: 133956.2/78


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
220
Right In: -38.984+/-0.074 χ²/NDF: 22366.3/31
Left Out: -34.646+/-0.042 χ²/NDF:34674.7/24
Right Out: -37.876+/-0.069 χ²/NDF: 23950.2/34
Left In: -34.108+/-0.044 χ²/NDF:29052.8/22
Left: -34.390+/-0.030 χ²/NDF: 63806.0/47
Right: -38.395+/-0.050 χ²/NDF: 46437.0/66
In: -35.391+/-0.038 χ²/NDF:54655.7/54
Out: -35.511+/-0.036 χ²/NDF:60225.5/59
All: -35.454+/-0.026 χ²/NDF: 114886.4/114



Right In: -42.393+/-0.092 χ^2/NDF: 22932.3/31

Left Out: -26.978+/-0.053 χ^2/NDF:49361.1/24

Right Out: -43.782+/-0.085 χ^2/NDF: 21820.1/34

Left In: -26.654+/-0.055 χ^2/NDF:42106.8/22

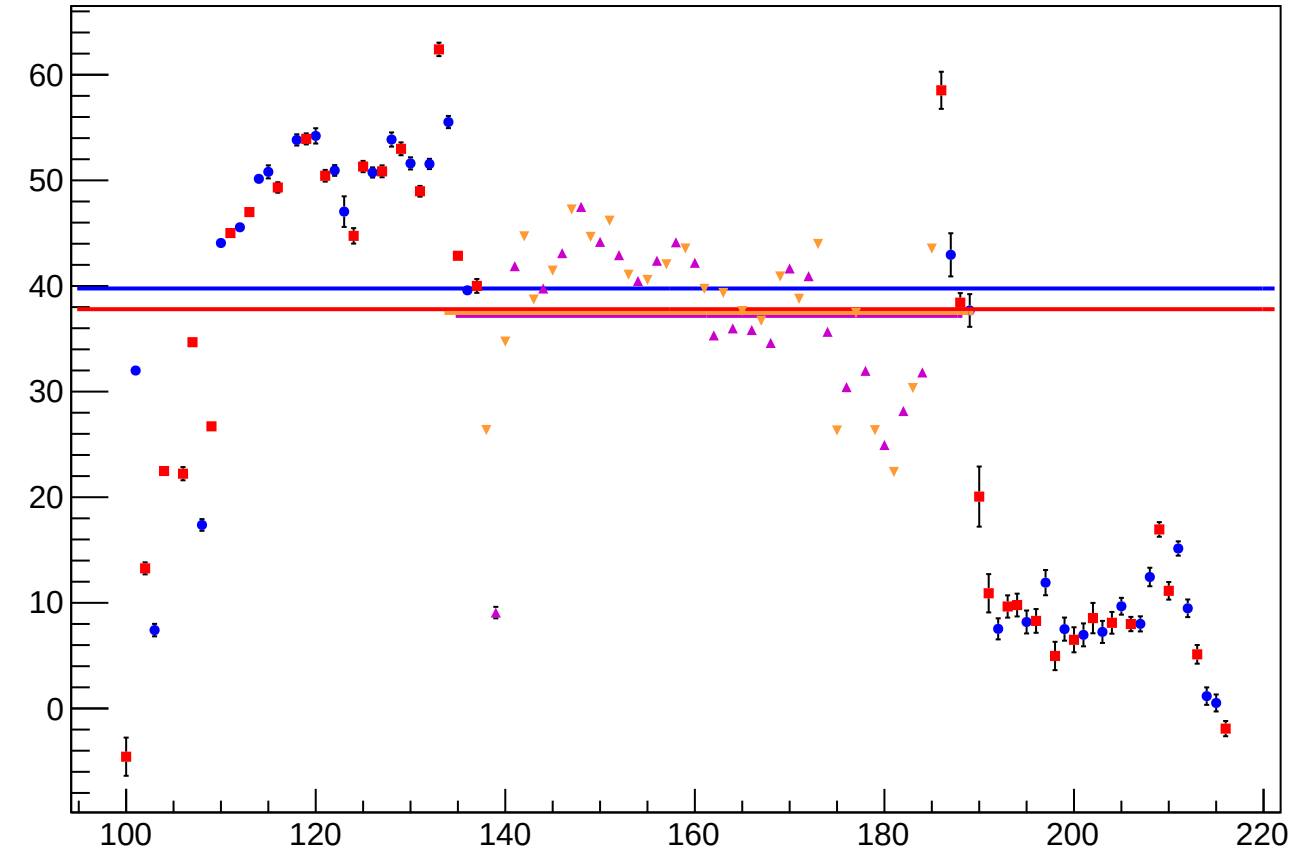
Left: -26.821+/-0.038 χ^2/NDF: 91485.8/47

Right: -43.143+/-0.063 χ^2/NDF: 44874.4/66

In: -30.769+/-0.047 χ^2/NDF:86502.4/54

Out: -31.686+/-0.045 χ^2/NDF:99148.6/59

All: -31.248+/-0.033 χ^2/NDF: 185848.2/114



Right In: 39.762+/-0.082 χ^2/NDF: 29359.2/31

Left Out: 37.447+/-0.047 χ^2/NDF:21570.6/24

Right Out: 37.802+/-0.076 χ^2/NDF: 32000.7/34

Left In: 37.169+/-0.049 χ^2/NDF:17236.9/22

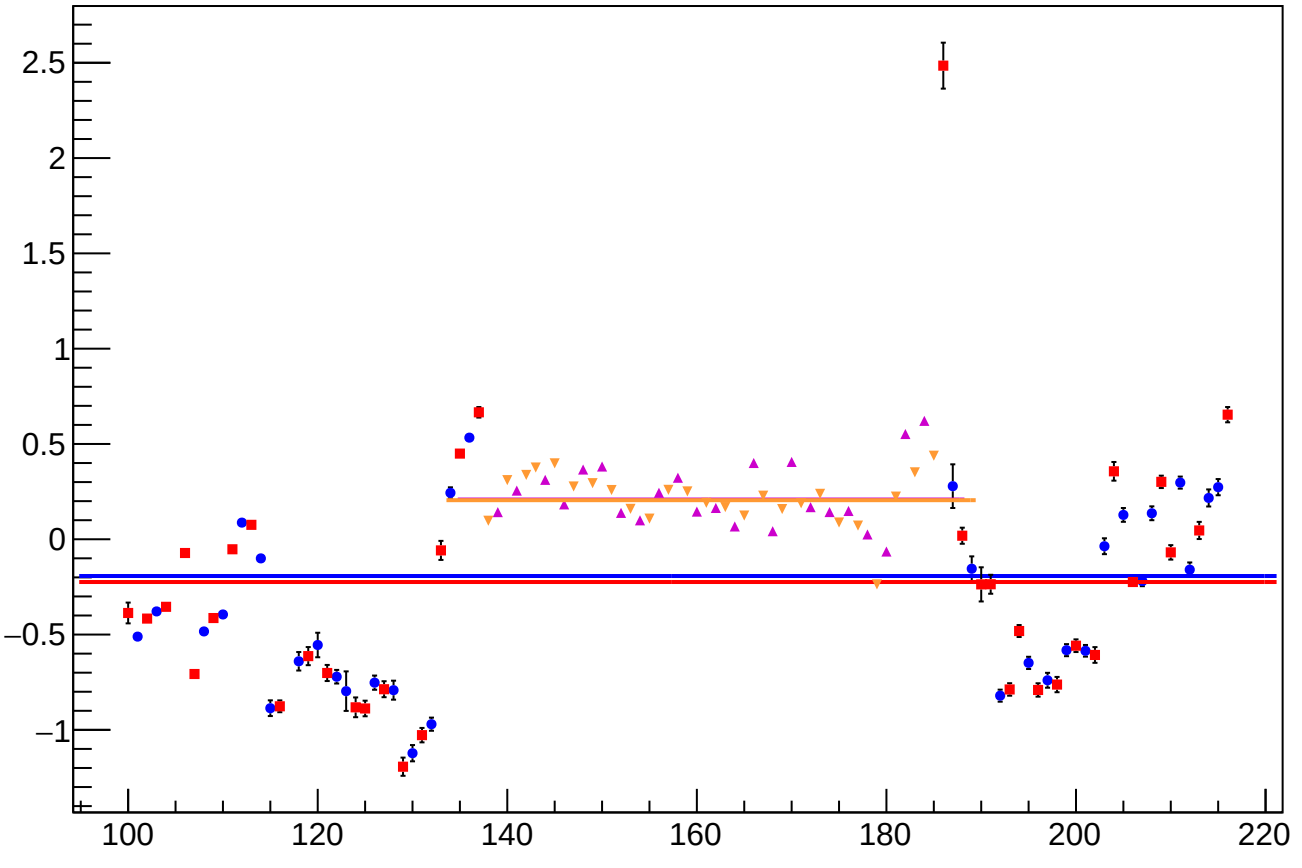
Left: 37.314+/-0.034 χ^2/NDF: 38824.1/47

Right: 38.714+/-0.056 χ^2/NDF: 61666.6/66

In: 37.859+/-0.042 χ^2/NDF:47333.1/54

Out: 37.545+/-0.040 χ^2/NDF:53586.9/59

All: 37.694+/-0.029 χ^2/NDF: 100949.1/114



Right In: -0.193+/-0.004 χ^2/NDF: 9109.8/31

Left Out: 0.205+/-0.002 χ^2/NDF:3826.2/24

Right Out: -0.224+/-0.004 χ^2/NDF: 9880.9/34

Left In: 0.208+/-0.002 χ^2/NDF:5094.6/22

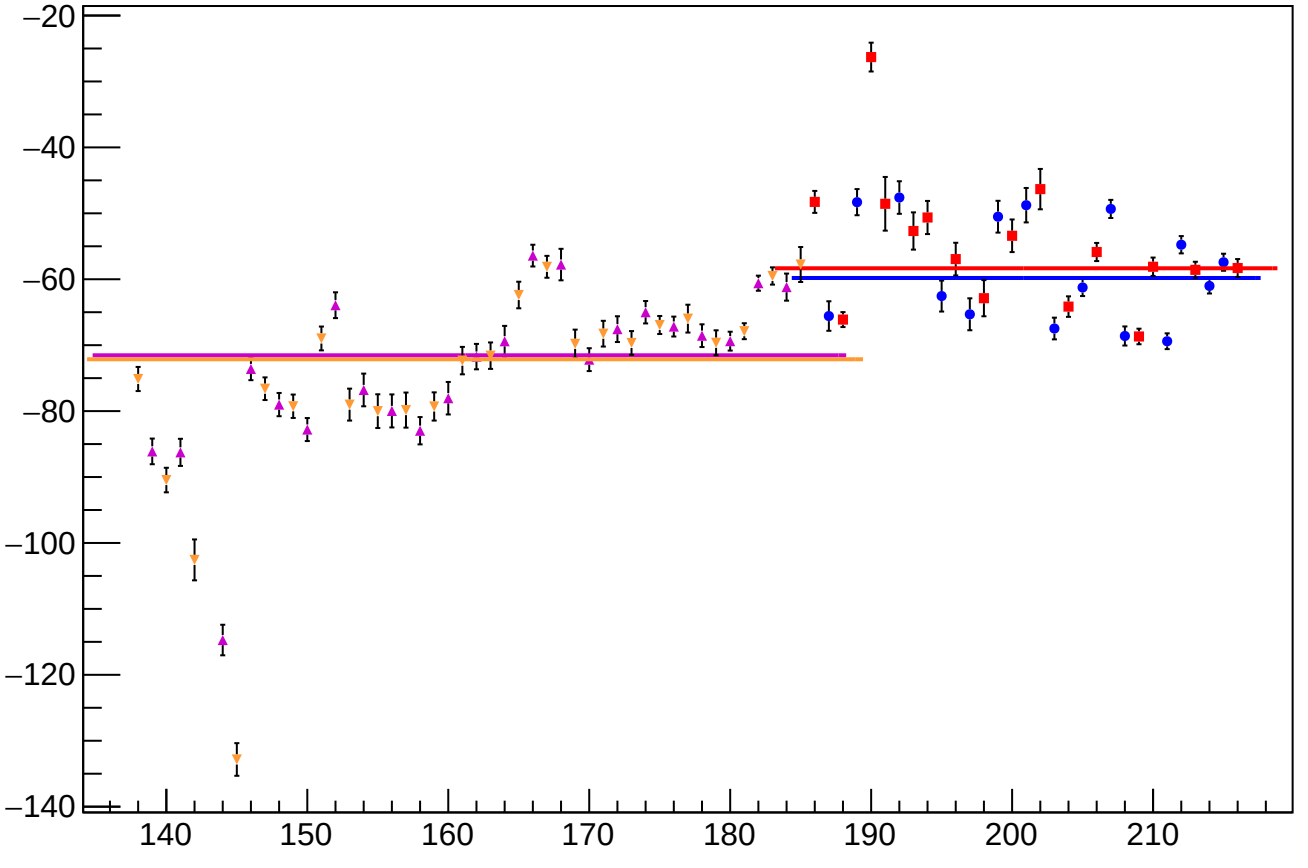
Left: 0.207+/-0.002 χ^2/NDF: 8922.0/47

Right: -0.210+/-0.003 χ^2/NDF: 19019.8/66

In: 0.123+/-0.002 χ^2/NDF:21017.5/54

Out: 0.105+/-0.002 χ^2/NDF:22836.9/59

All: 0.113+/-0.001 χ^2/NDF: 43898.5/114



Right In: -59.808+/-0.412 χ^2/NDF: 305.4/14

Left Out: -72.138+/-0.383 χ^2/NDF:1121.3/23

Right Out: -58.336+/-0.421 χ^2/NDF: 433.7/15

Left In: -71.534+/-0.382 χ^2/NDF:851.4/22

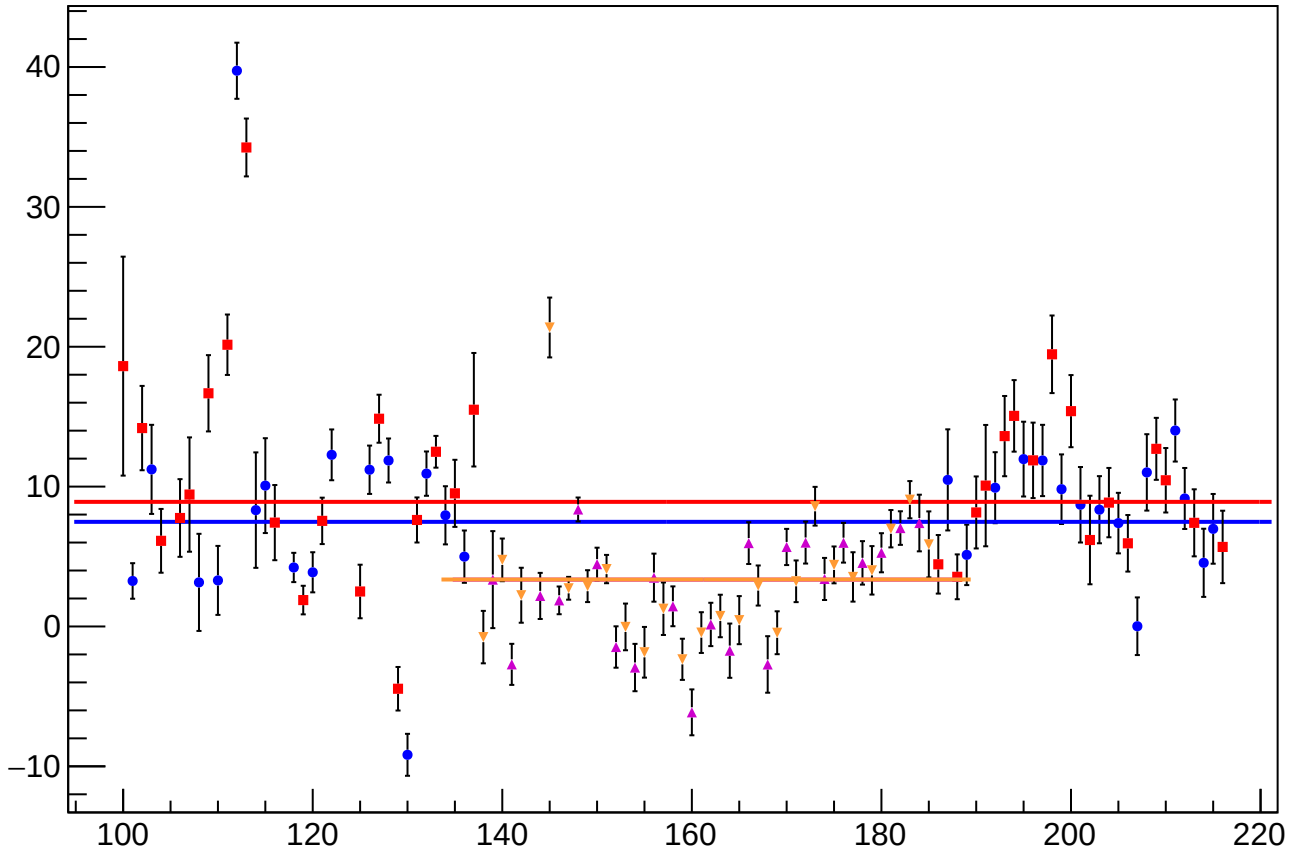
Left: -71.835+/-0.270 χ^2/NDF: 1974.0/46

Right: -59.088+/-0.295 χ^2/NDF: 745.4/30

In: -66.120+/-0.280 χ^2/NDF:1592.6/37

Out: -65.894+/-0.283 χ^2/NDF:2143.0/39

All: -66.008+/-0.199 χ^2/NDF: 3735.9/77



Right In: 7.480+/-0.360 χ^2/NDF: 476.5/30

Left Out: 3.357+/-0.295 χ^2/NDF:167.7/23

Right Out: 8.910+/-0.360 χ^2/NDF: 404.3/33

Left In: 3.349+/-0.298 χ^2/NDF:163.5/22

Left: 3.353+/-0.210 χ^2/NDF: 331.2/46

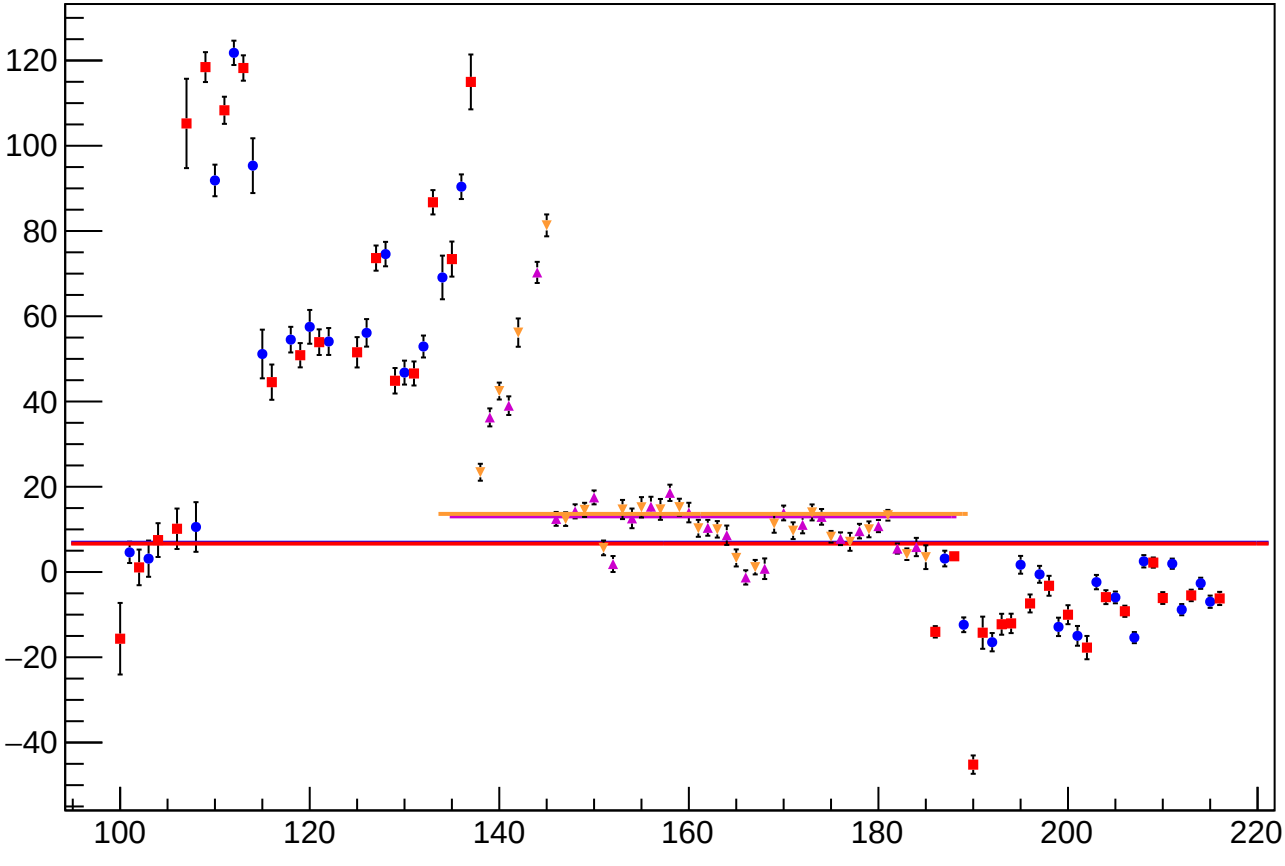
Right: 8.195+/-0.255 χ^2/NDF: 888.6/64

In: 5.028+/-0.230 χ^2/NDF:718.0/53

Out: 5.584+/-0.228 χ^2/NDF:714.2/57

All: 5.308+/-0.162 χ^2/NDF: 1435.2/111

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.871+/-0.367 χ^2/NDF: 6490.2/30

Left Out: 13.632+/-0.382 χ^2/NDF:1300.0/23

Right Out: 6.667+/-0.361 χ^2/NDF: 8124.7/33

Left In: 13.058+/-0.380 χ^2/NDF:1024.7/22

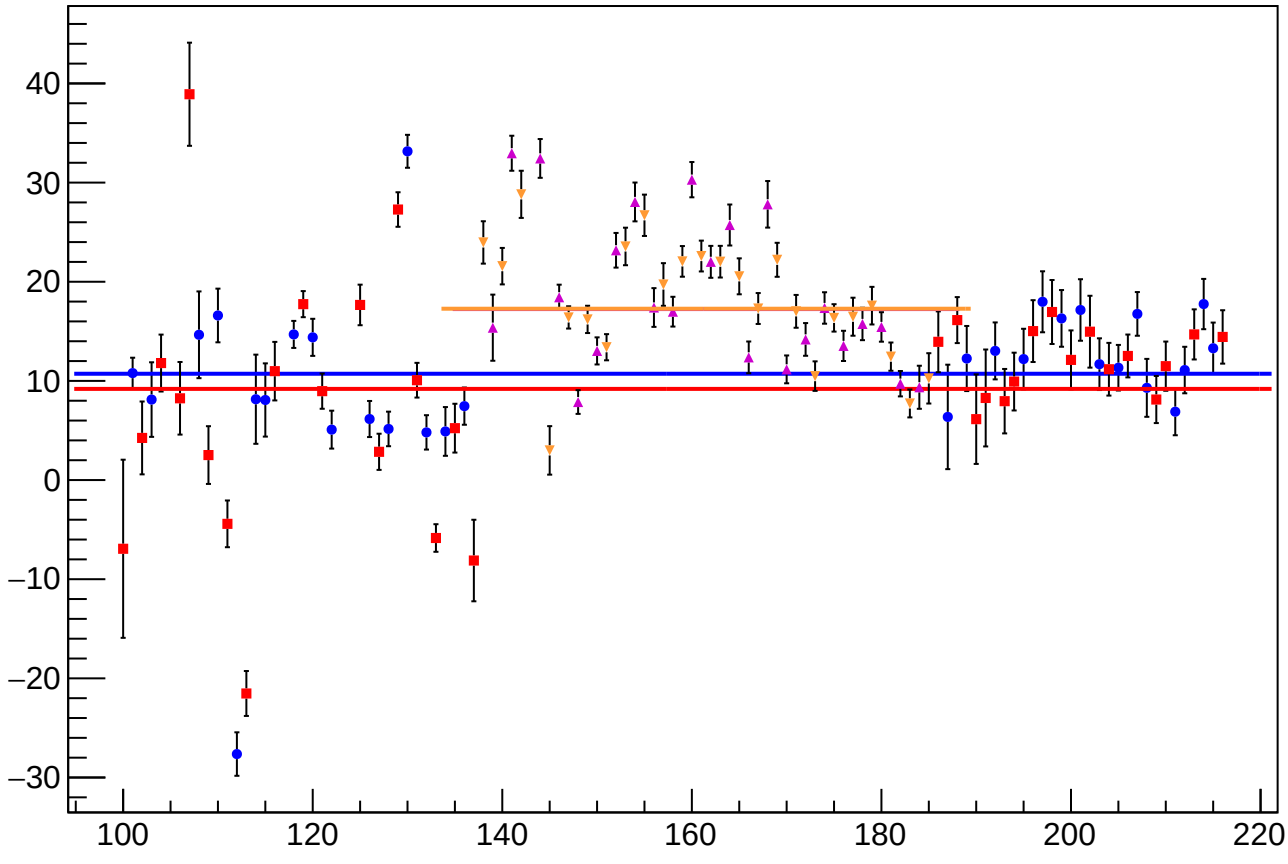
Left: 13.344+/-0.269 χ^2/NDF: 2325.9/46

Right: 6.768+/-0.257 χ^2/NDF: 14615.1/64

In: 9.856+/-0.264 χ^2/NDF:7652.3/53

Out: 9.951+/-0.262 χ^2/NDF:9600.6/57

All: 9.904+/-0.186 χ^2/NDF: 17253.0/111



Right In: 10.721+/-0.412 χ^2/NDF: 587.7/30

Left Out: 17.280+/-0.337 χ^2/NDF:243.9/23

Right Out: 9.194+/-0.418 χ^2/NDF: 615.3/33

Left In: 17.245+/-0.339 χ^2/NDF:440.8/22

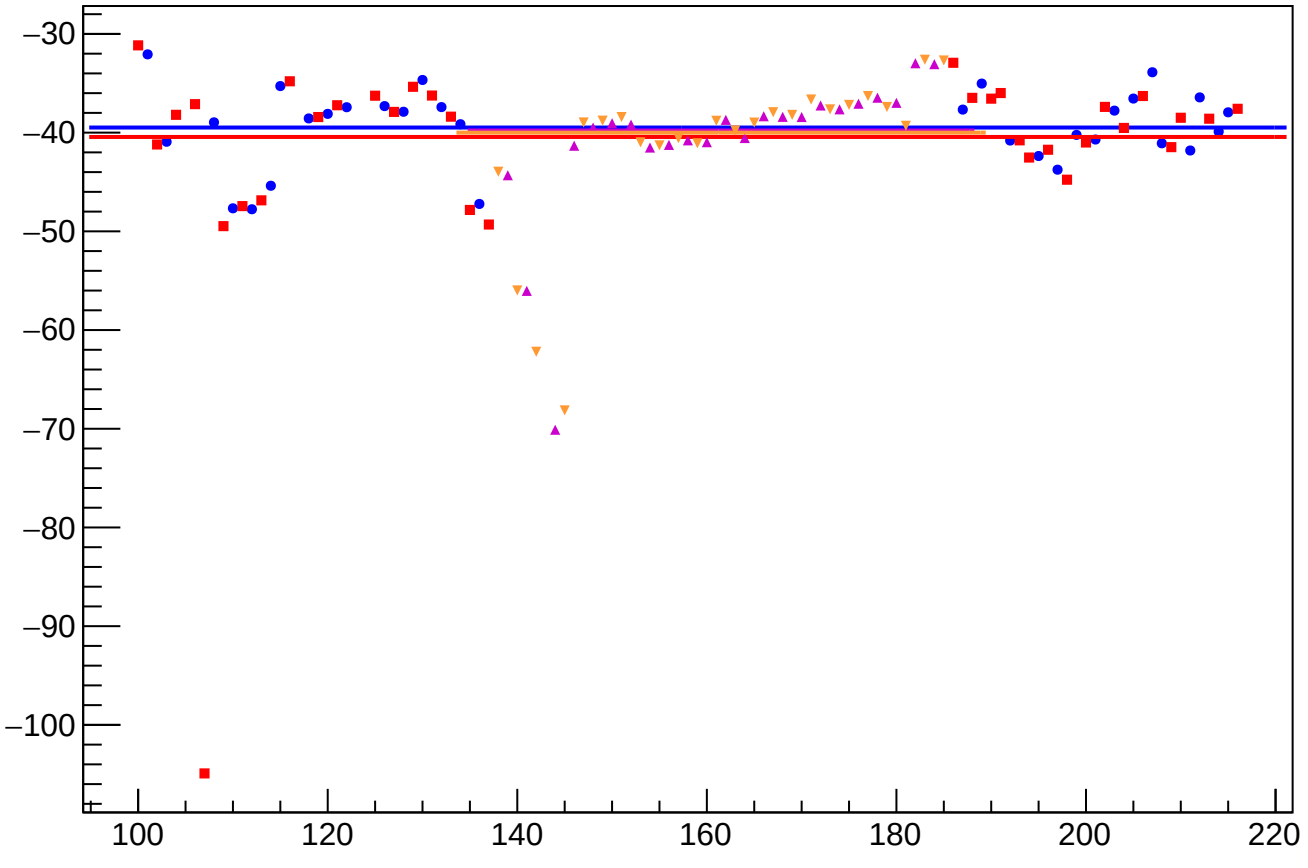
Left: 17.262+/-0.239 χ^2/NDF: 684.6/46

Right: 9.968+/-0.293 χ^2/NDF: 1209.8/64

In: 14.607+/-0.262 χ^2/NDF:1177.9/53

Out: 14.091+/-0.262 χ^2/NDF:1086.1/57

All: 14.349+/-0.185 χ^2/NDF: 2265.9/111



Right In: -39.483+/-0.020 χ^2/NDF: 37900.9/30

Left Out: -39.999+/-0.016 χ^2/NDF:172263.8/23

Right Out: -40.439+/-0.020 χ^2/NDF: 107705.1/33

Left In: -39.785+/-0.016 χ^2/NDF:144494.5/22

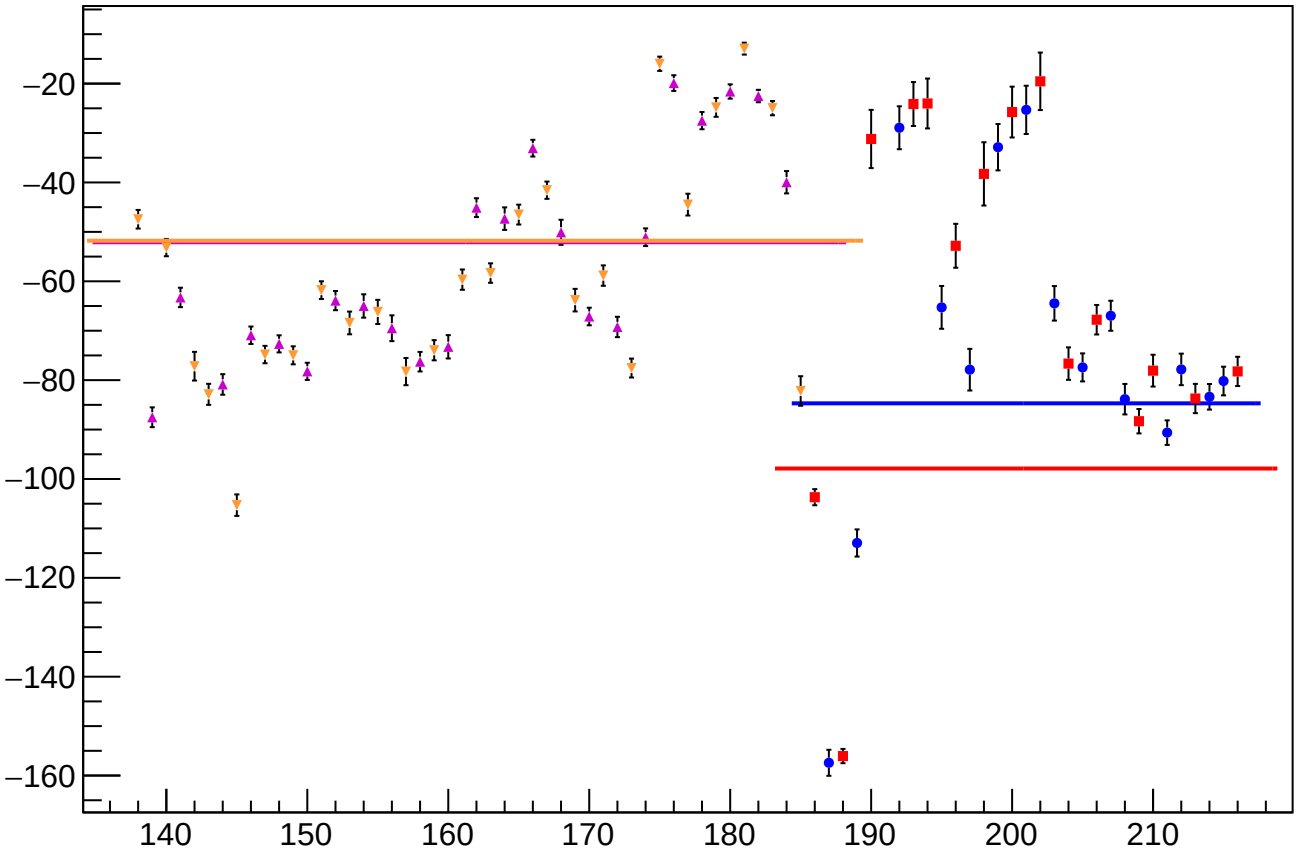
Left: -39.891+/-0.011 χ^2/NDF: 316851.8/46

Right: -39.963+/-0.014 χ^2/NDF: 146701.9/64

In: -39.673+/-0.012 χ^2/NDF:182532.7/53

Out: -40.164+/-0.012 χ^2/NDF:280260.1/57

All: -39.918+/-0.009 χ^2/NDF: 463569.3/111



Right In: -84.692+/-0.823 χ^2/NDF: 1413.9/14

Left Out: -51.787+/-0.383 χ^2/NDF:4164.8/24

Right Out: -97.882+/-0.744 χ^2/NDF: 3080.8/14

Left In: -52.104+/-0.389 χ^2/NDF:3280.2/22

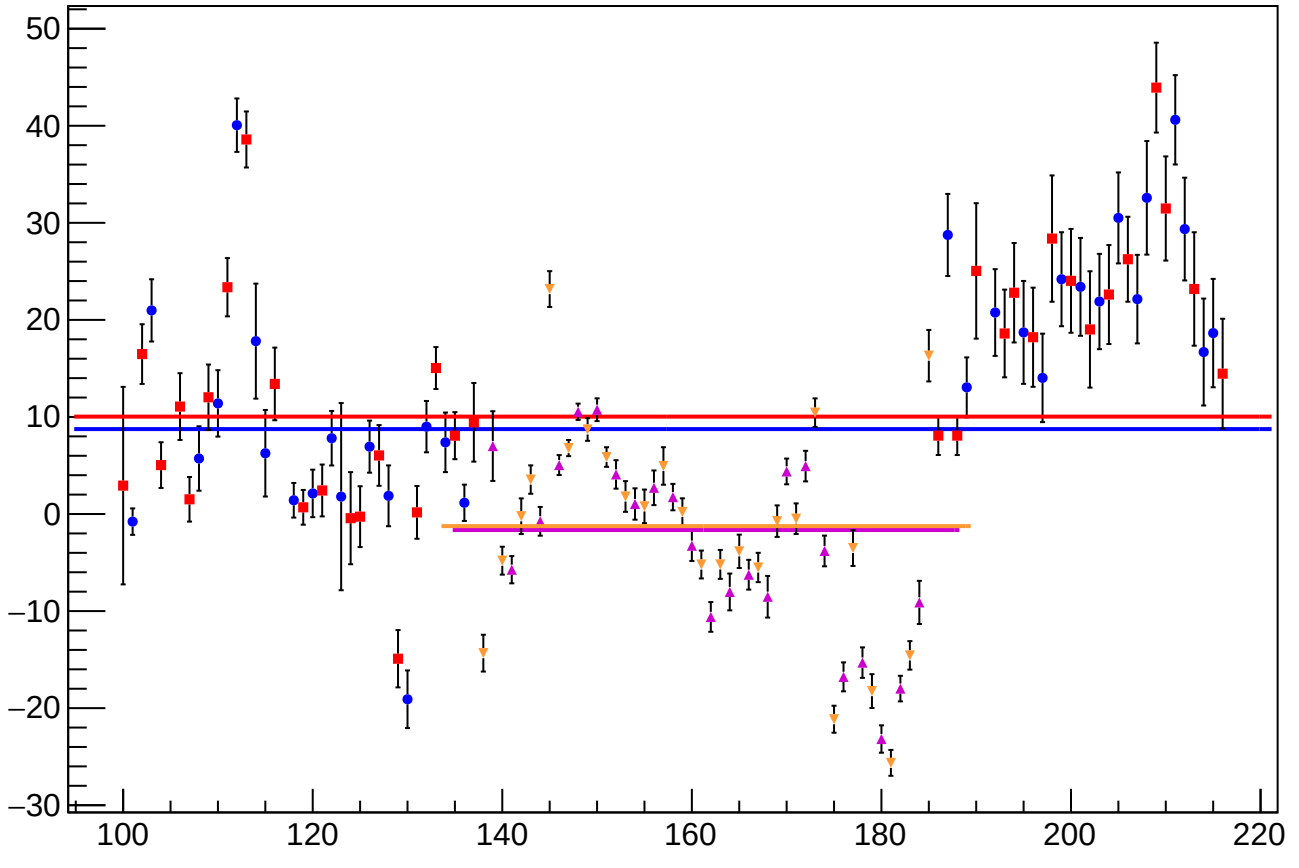
Left: -51.943+/-0.273 χ^2/NDF: 7445.3/47

Right: -91.956+/-0.552 χ^2/NDF: 4636.0/29

In: -58.043+/-0.351 χ^2/NDF:5975.4/37

Out: -61.437+/-0.340 χ^2/NDF:10283.9/39

All: -59.795+/-0.244 χ^2/NDF: 16307.4/77



Right In: 8.750+/-0.557 χ^2/NDF: 508.9/31

Left Out: -1.245+/-0.292 χ^2/NDF:1322.6/24

Right Out: 10.035+/-0.549 χ^2/NDF: 416.3/33

Left In: -1.650+/-0.300 χ^2/NDF:1092.2/22

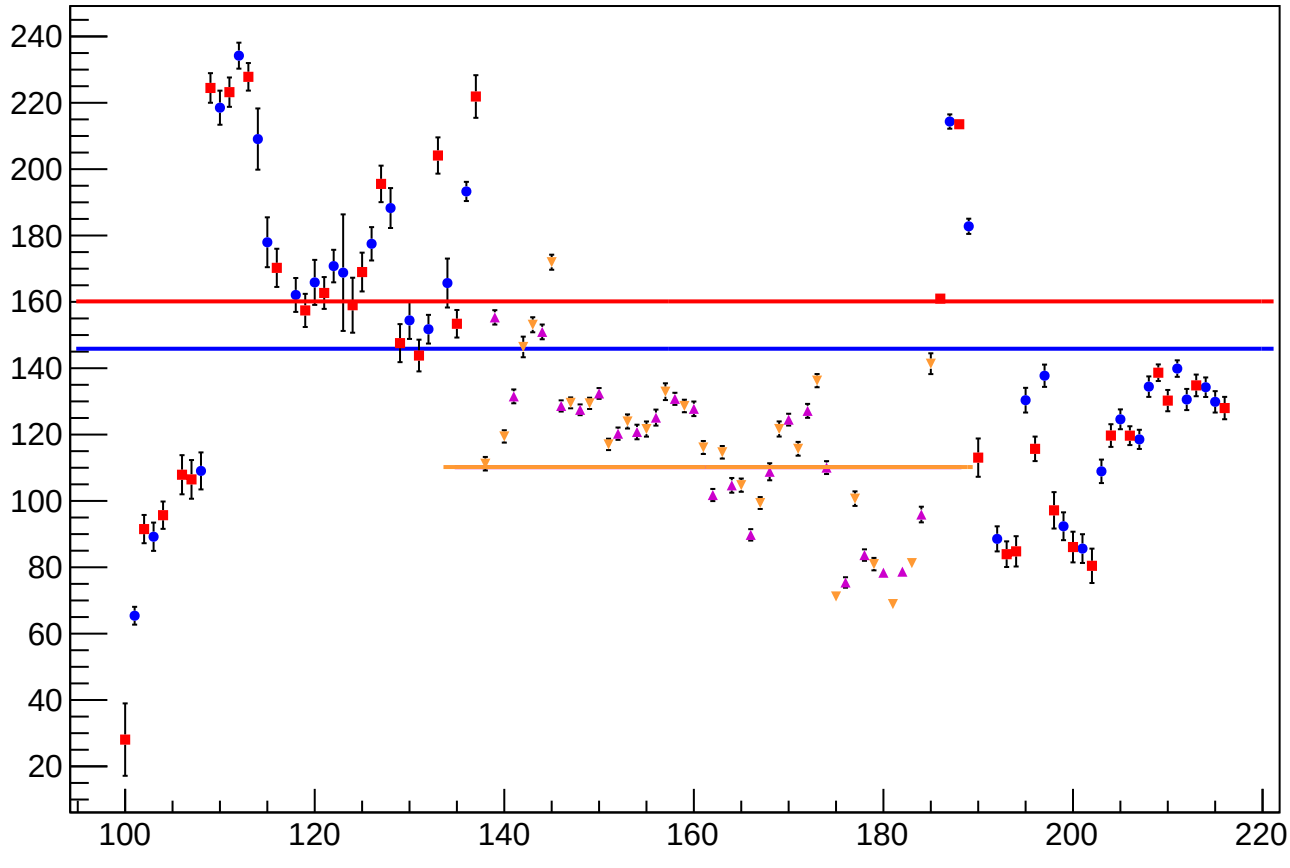
Left: -1.442+/-0.209 χ^2/NDF: 2415.8/47

Right: 9.403+/-0.391 χ^2/NDF: 927.9/65

In: 0.688+/-0.264 χ^2/NDF:1871.0/54

Out: 1.241+/-0.258 χ^2/NDF:2068.5/58

All: 0.972+/-0.184 χ^2/NDF: 3941.8/113



Right In: 145.874+/-0.647 χ^2/NDF: 4511.2/31

Left Out: 110.213+/-0.382 χ^2/NDF:4593.7/24

Right Out: 160.141+/-0.574 χ^2/NDF: 5981.8/33

Left In: 110.171+/-0.386 χ^2/NDF:3702.6/22

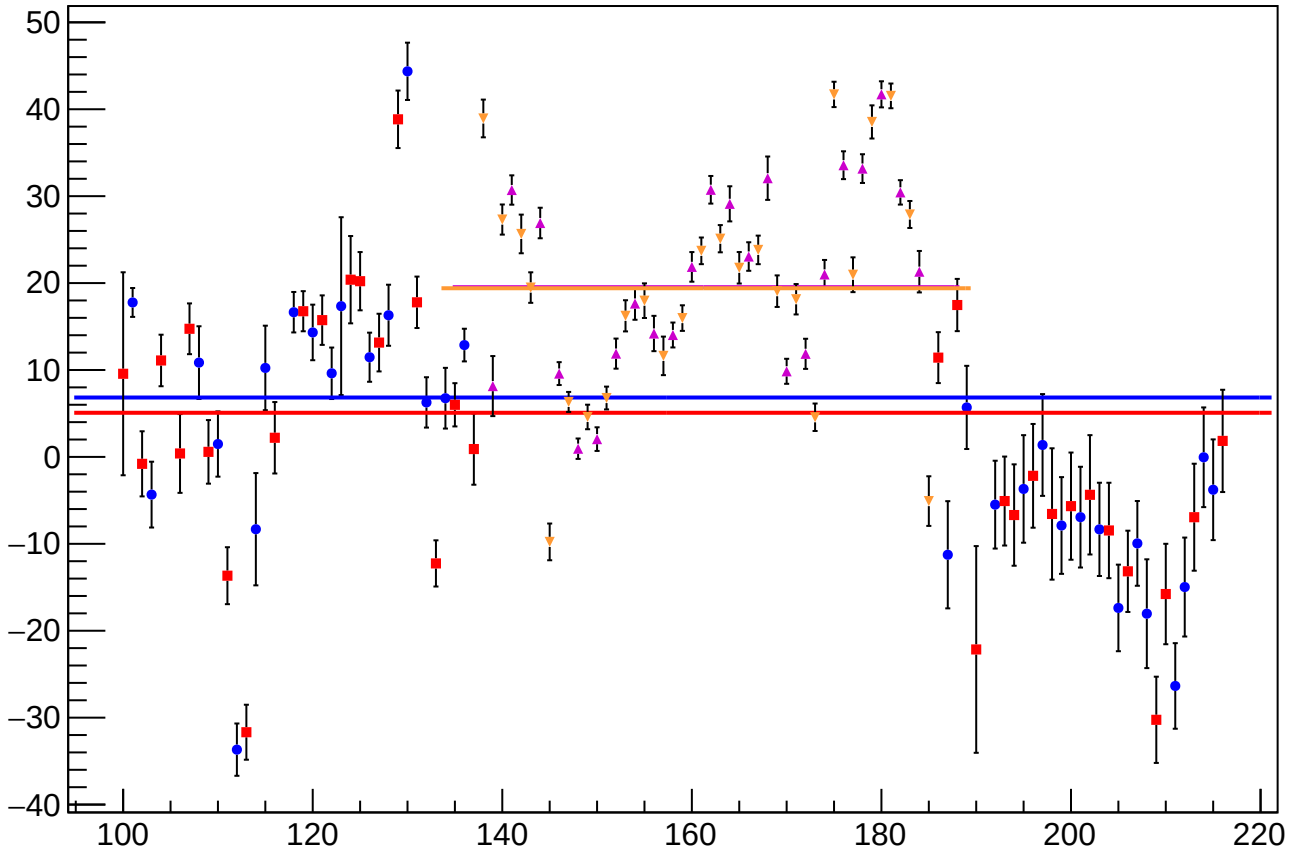
Left: 110.192+/-0.272 χ^2/NDF: 8296.2/47

Right: 153.860+/-0.430 χ^2/NDF: 10765.0/65

In: 119.535+/-0.332 χ^2/NDF:10457.8/54

Out: 125.536+/-0.318 χ^2/NDF:15817.3/58

All: 122.660+/-0.230 χ^2/NDF: 26445.7/113



Right In: 6.834+/-0.642 χ^2/NDF: 572.6/31

Left Out: 19.405+/-0.335 χ^2/NDF:1453.4/24

Right Out: 5.077+/-0.648 χ^2/NDF: 562.9/33

Left In: 19.530+/-0.342 χ^2/NDF:1181.3/22

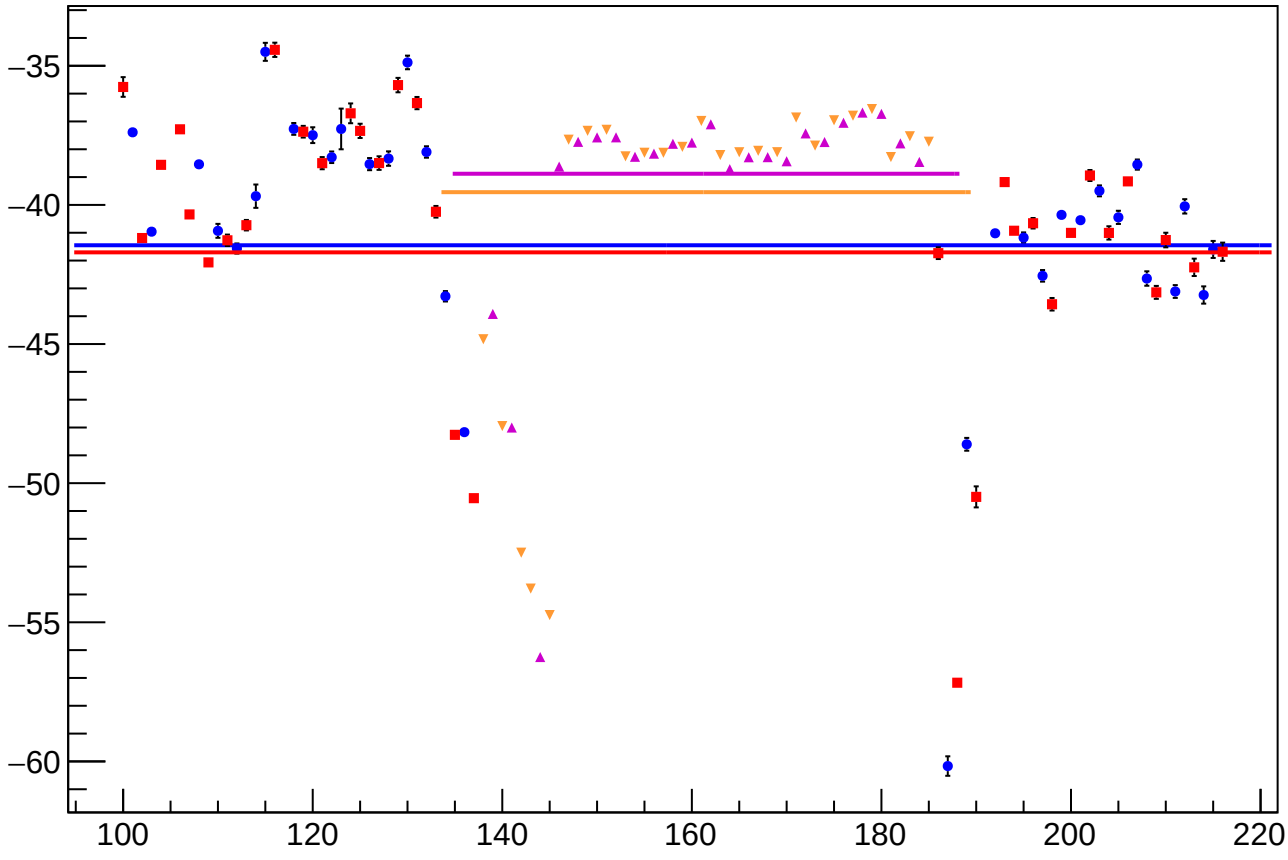
Left: 19.466+/-0.239 χ^2/NDF: 2634.8/47

Right: 5.964+/-0.456 χ^2/NDF: 1139.2/65

In: 16.717+/-0.302 χ^2/NDF:2058.4/54

Out: 16.386+/-0.297 χ^2/NDF:2402.6/58

All: 16.549+/-0.212 χ^2/NDF: 4461.6/113



Right In: -41.450+/-0.032 χ^2/NDF: 16956.6/31

Left Out: -39.542+/-0.016 χ^2/NDF:92024.1/24

Right Out: -41.705+/-0.031 χ^2/NDF: 23113.8/33

Left In: -38.880+/-0.016 χ^2/NDF:53409.9/22

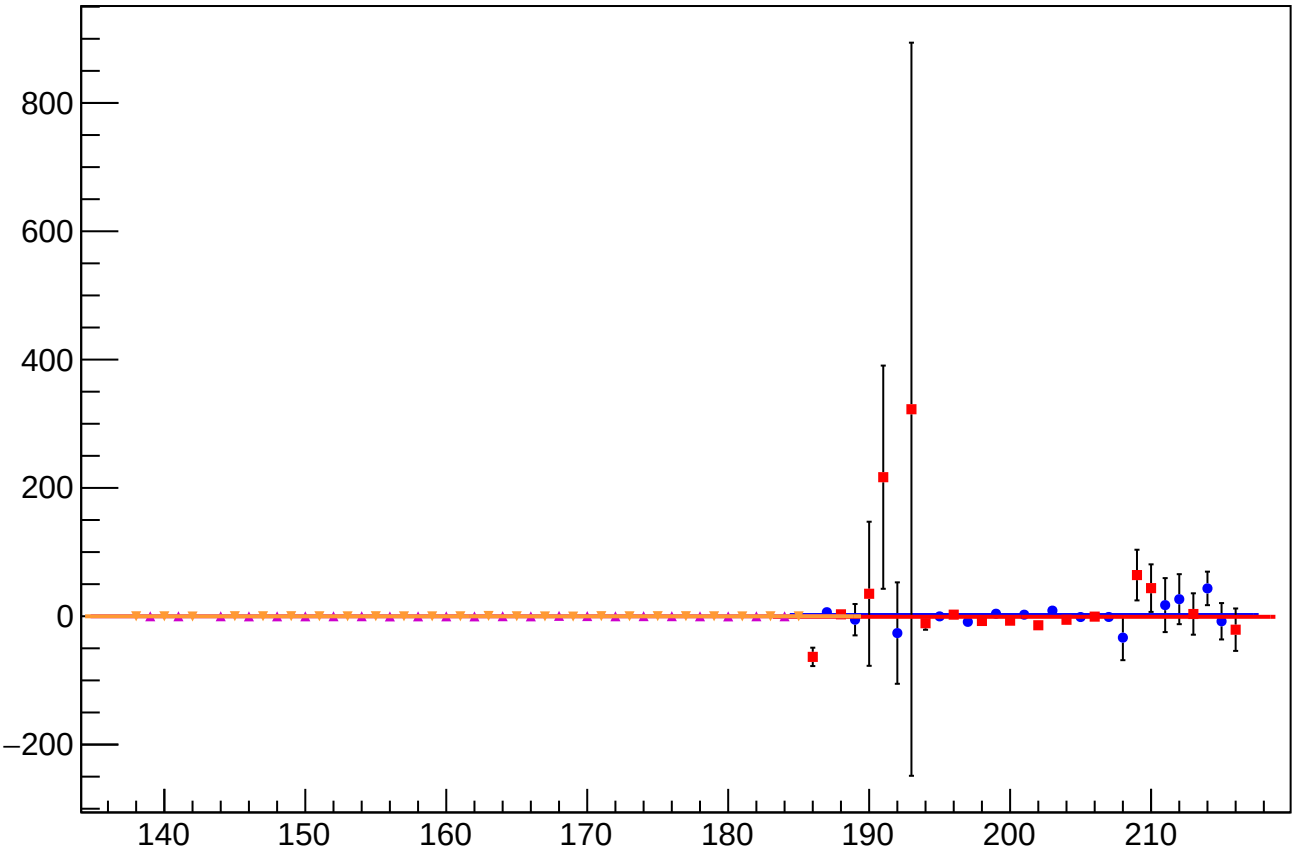
Left: -39.214+/-0.011 χ^2/NDF: 146312.0/47

Right: -41.578+/-0.022 χ^2/NDF: 40103.4/65

In: -39.399+/-0.014 χ^2/NDF:75671.9/54

Out: -39.978+/-0.014 χ^2/NDF:118946.4/58

All: -39.691+/-0.010 χ^2/NDF: 195457.6/113



Right In: 1.869+/-1.529 χ^2/NDF: 15.4/14

Left Out: -0.089+/-0.022 χ^2/NDF:39.7/23

Right Out: -0.873+/-1.417 χ^2/NDF: 37.1/15

Left In: -0.026+/-0.022 χ^2/NDF:33.3/22

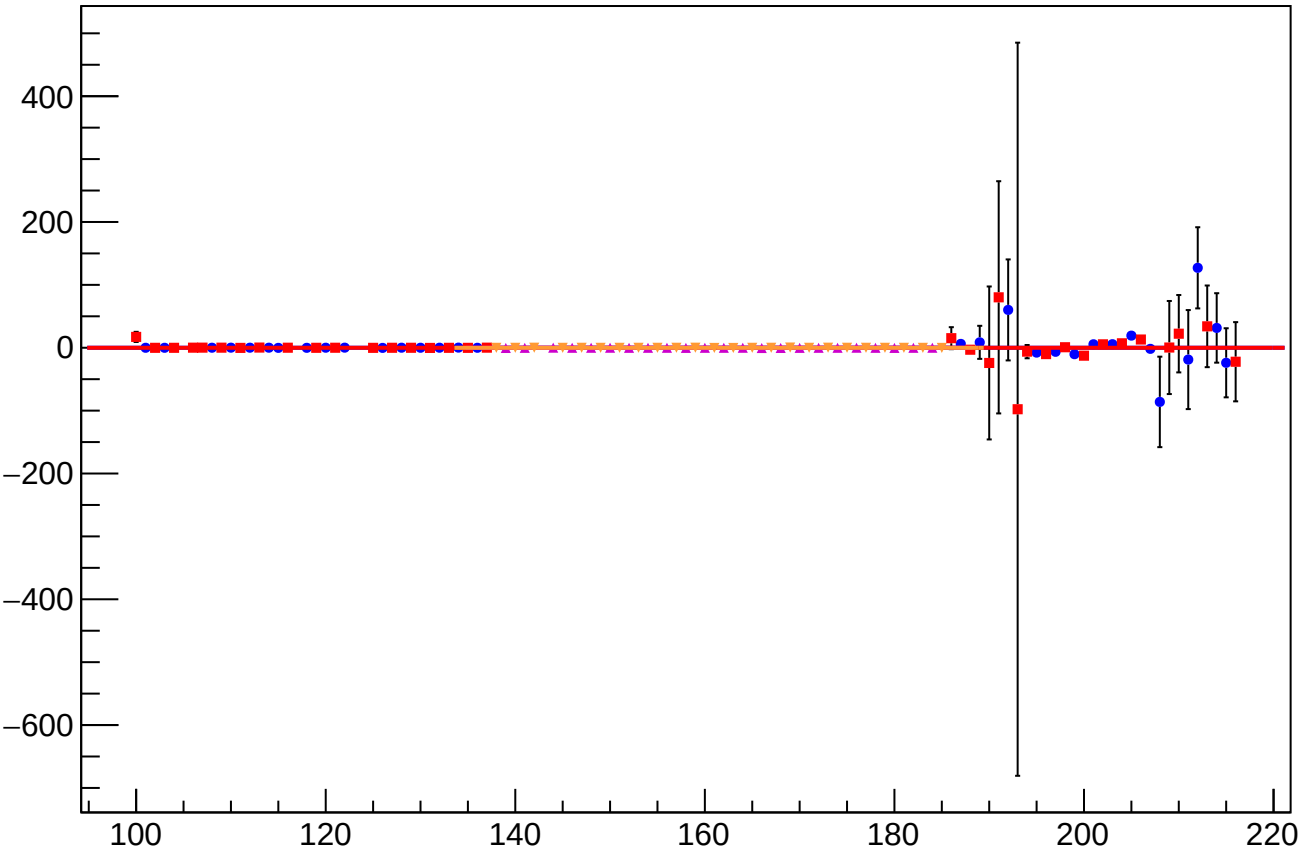
Left: -0.057+/-0.016 χ^2/NDF: 77.1/46

Right: 0.394+/-1.039 χ^2/NDF: 54.2/30

In: -0.025+/-0.022 χ^2/NDF:50.3/37

Out: -0.089+/-0.022 χ^2/NDF:77.1/39

All: -0.057+/-0.016 χ^2/NDF: 131.5/77



Right In: -0.002+/-0.029 χ^2/NDF: 37.8/30

Left Out: -0.081+/-0.017 χ^2/NDF:25.8/23

Right Out: -0.050+/-0.029 χ^2/NDF: 41.6/33

Left In: -0.052+/-0.018 χ^2/NDF:31.7/22

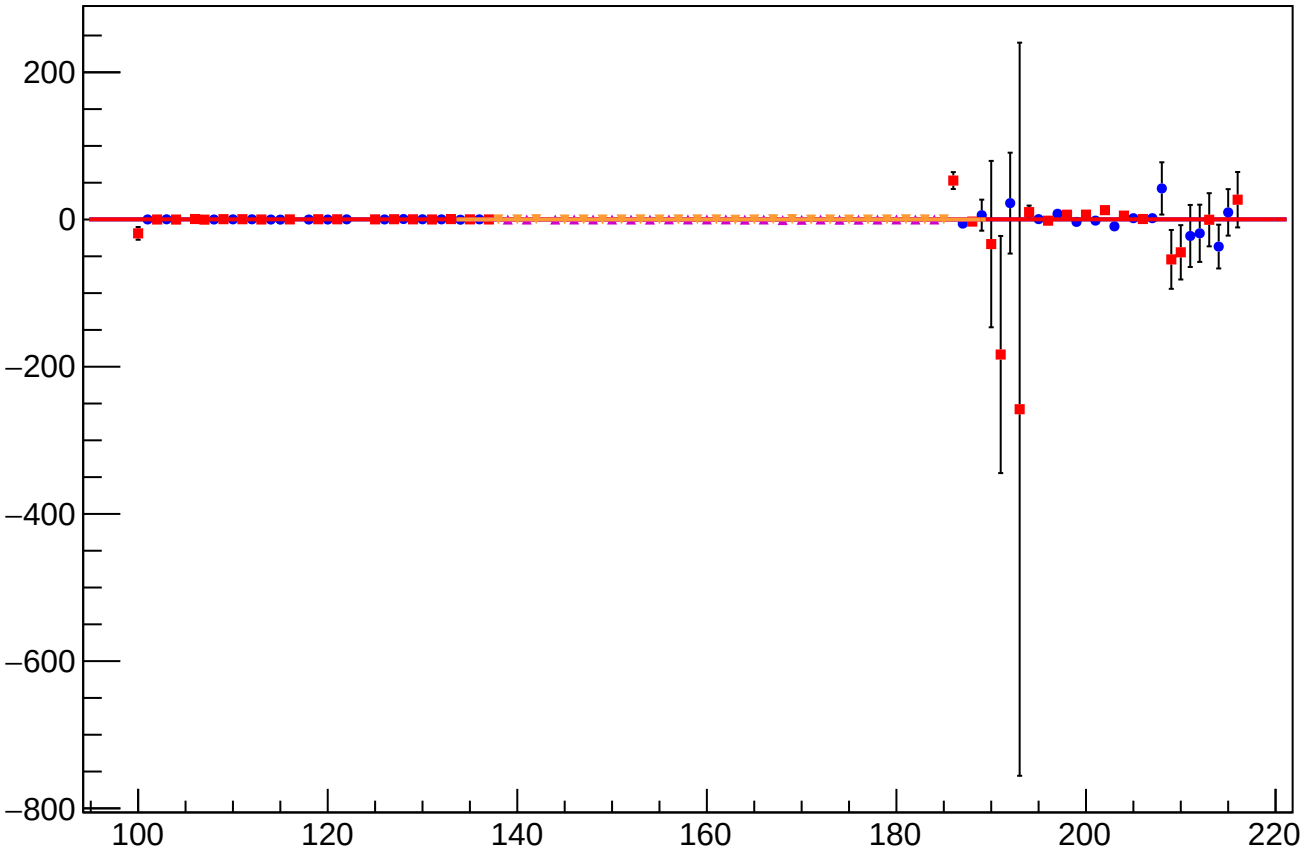
Left: -0.067+/-0.012 χ^2/NDF: 58.9/46

Right: -0.025+/-0.020 χ^2/NDF: 80.8/64

In: -0.038+/-0.015 χ^2/NDF:71.8/53

Out: -0.073+/-0.015 χ^2/NDF:68.3/57

All: -0.056+/-0.011 χ^2/NDF: 142.7/111



Right In: 0.172+/-0.053 χ^2/NDF: 30.7/30

Left Out: 0.081+/-0.022 χ^2/NDF:38.4/23

Right Out: 0.236+/-0.054 χ^2/NDF: 60.8/33

Left In: 0.020+/-0.022 χ^2/NDF:35.6/22

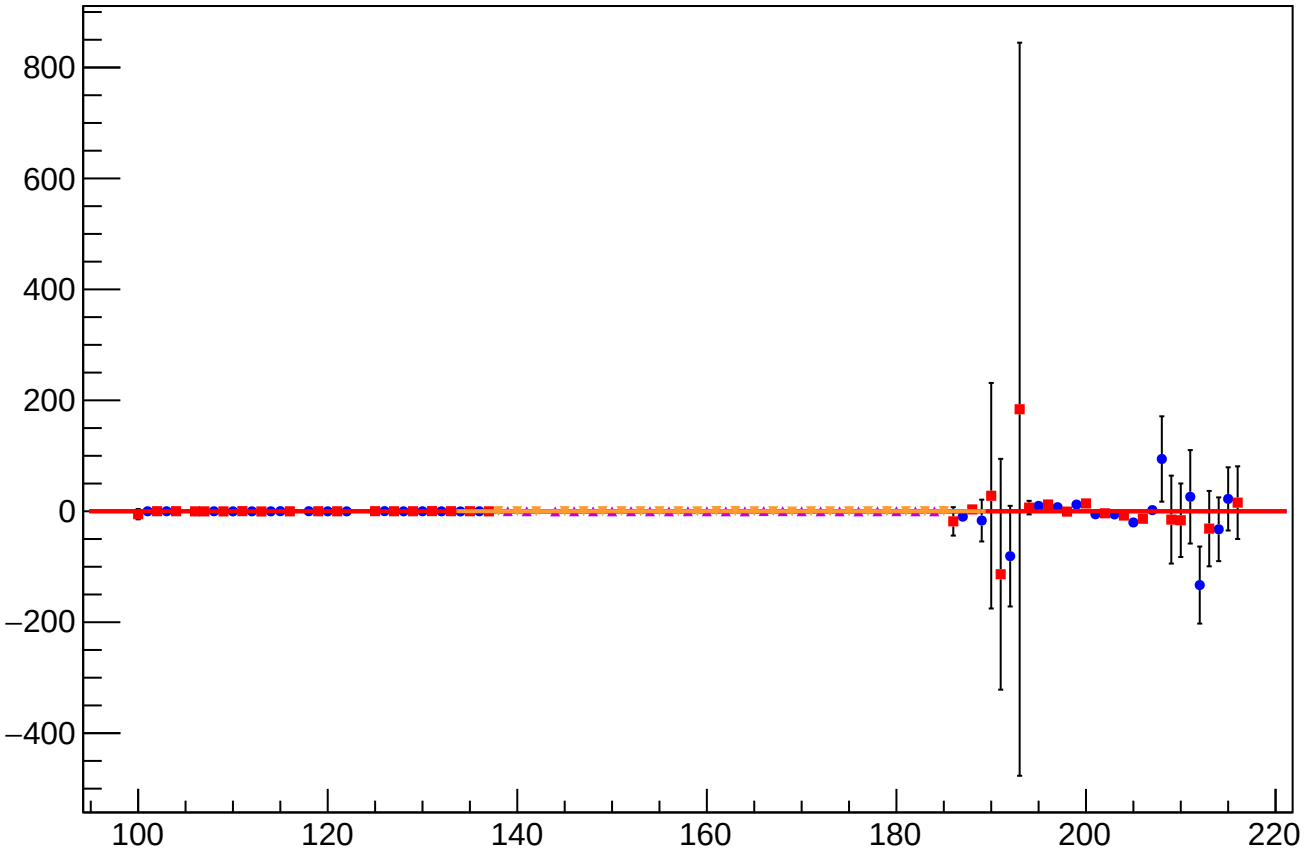
Left: 0.051+/-0.016 χ^2/NDF: 77.8/46

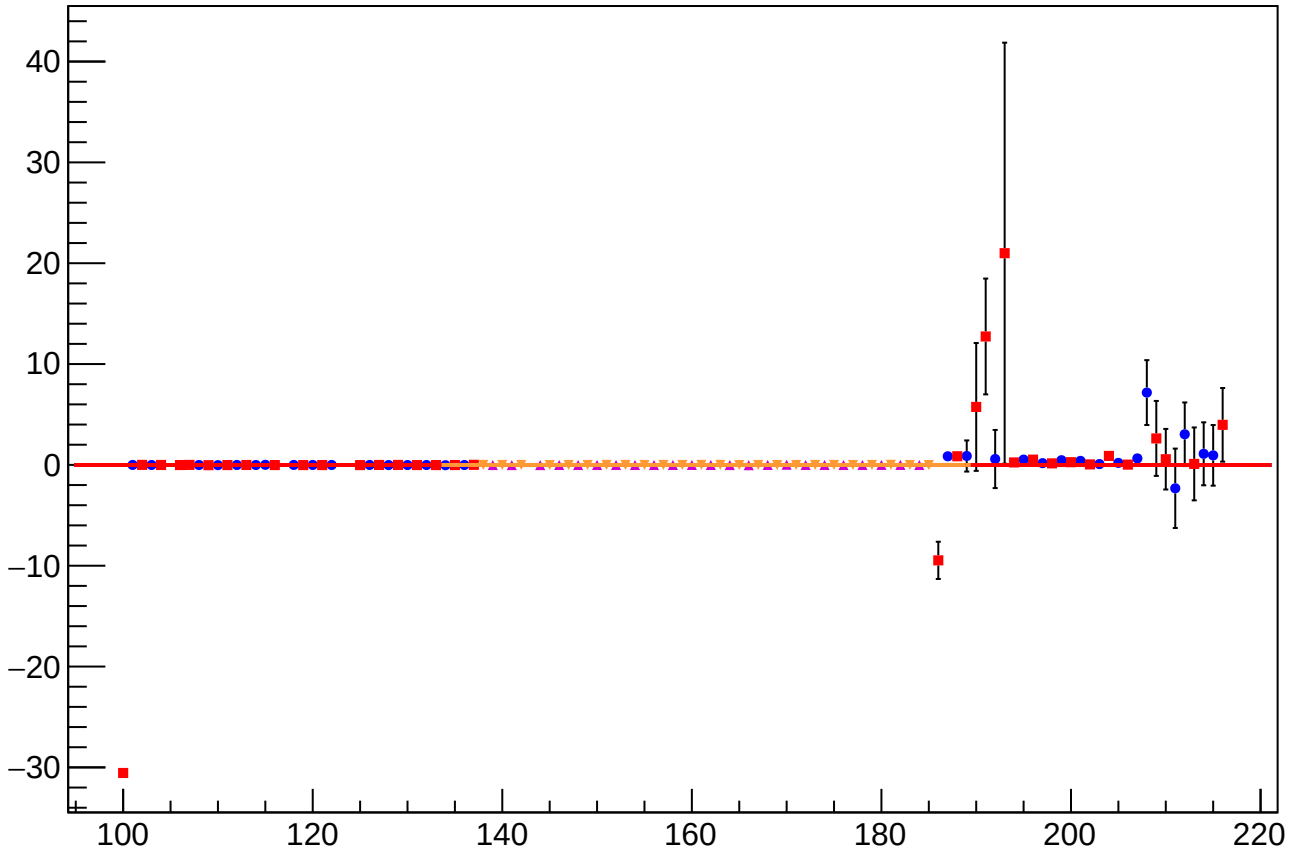
Right: 0.203+/-0.038 χ^2/NDF: 92.2/64

In: 0.043+/-0.020 χ^2/NDF:73.4/53

Out: 0.103+/-0.020 χ^2/NDF:106.2/57

All: 0.073+/-0.014 χ^2/NDF: 184.0/111


reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: -0.007+/-0.033 χ²/NDF: 39.2/30
Left Out: 0.105+/-0.020 χ²/NDF:29.5/23
Right Out: 0.057+/-0.034 χ²/NDF: 34.9/33
Left In: 0.069+/-0.020 χ²/NDF:31.3/22
Left: 0.088+/-0.014 χ²/NDF: 62.5/46
Right: 0.024+/-0.024 χ²/NDF: 76.0/64
In: 0.049+/-0.017 χ²/NDF:74.4/53
Out: 0.093+/-0.017 χ²/NDF:65.9/57
All: 0.071+/-0.012 χ²/NDF: 143.8/111



Right In: -0.012+/-0.002 χ^2/NDF: 48.1/30

Left Out: -0.008+/-0.001 χ^2/NDF:30.1/23

Right Out: -0.012+/-0.002 χ^2/NDF: 11956.0/33

Left In: -0.009+/-0.001 χ^2/NDF:40.8/22

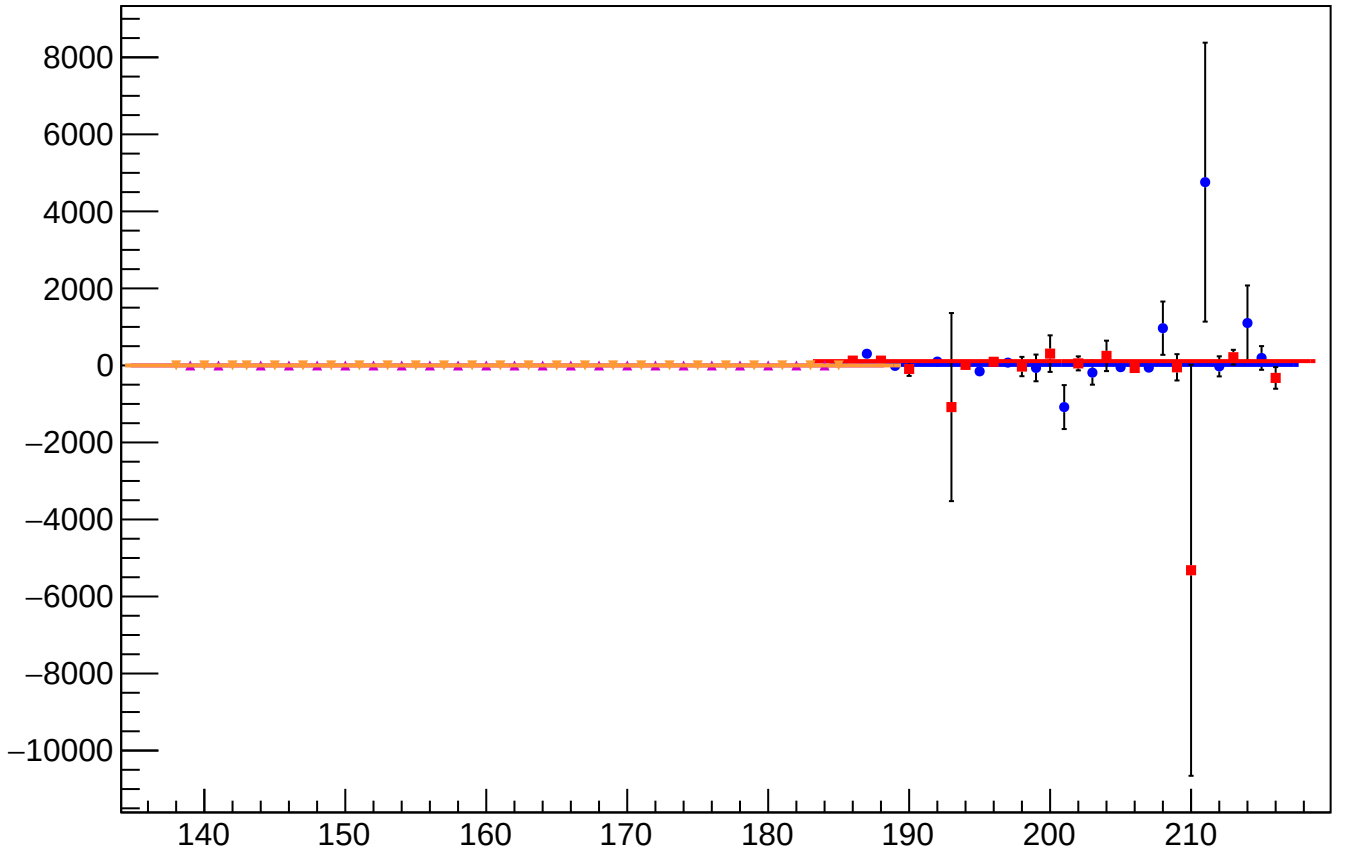
Left: -0.008+/-0.001 χ^2/NDF: 71.4/46

Right: -0.012+/-0.001 χ^2/NDF: 12004.2/64

In: -0.009+/-0.001 χ^2/NDF:91.1/53

Out: -0.009+/-0.001 χ^2/NDF:11989.9/57

All: -0.009+/-0.001 χ^2/NDF: 12081.3/111



Right In: 13.828+/-25.808 χ^2/NDF: 25.5/14

Left Out: 0.017+/-0.027 χ^2/NDF:30.9/24

Right Out: 111.808+/-16.084 χ^2/NDF: 11.2/14

Left In: 0.002+/-0.028 χ^2/NDF:29.0/22

Left: 0.010+/-0.019 χ^2/NDF: 60.1/47

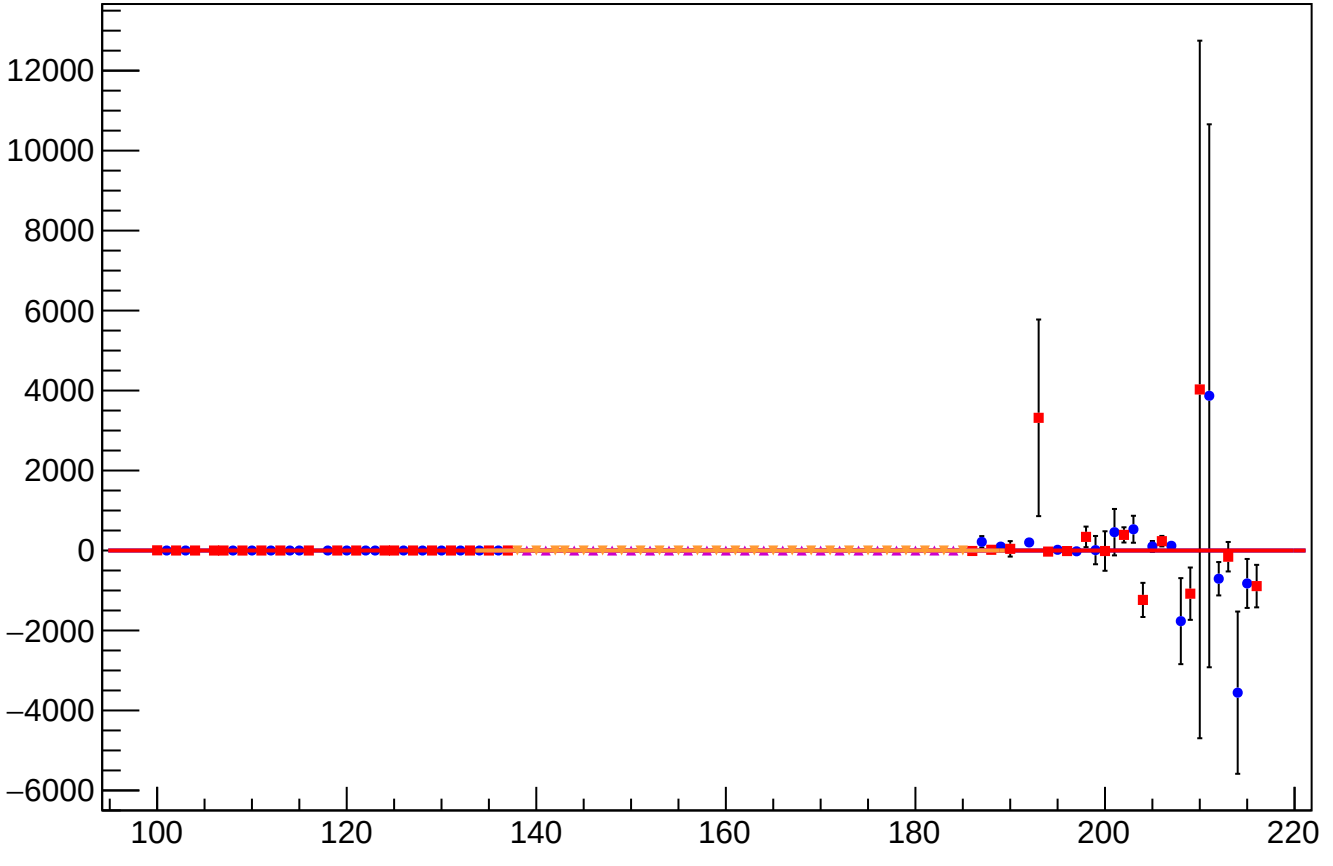
Right: 84.399+/-13.650 χ^2/NDF: 47.1/29

In: 0.002+/-0.028 χ^2/NDF:54.8/37

Out: 0.018+/-0.027 χ^2/NDF:90.5/39

All: 0.010+/-0.019 χ^2/NDF: 145.5/77

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022+/-0.037 χ^2/NDF: 49.8/31

Left Out: -0.060+/-0.021 χ^2/NDF:24.6/24

Right Out: -0.120+/-0.039 χ^2/NDF: 44.2/33

Left In: -0.071+/-0.022 χ^2/NDF:49.0/22

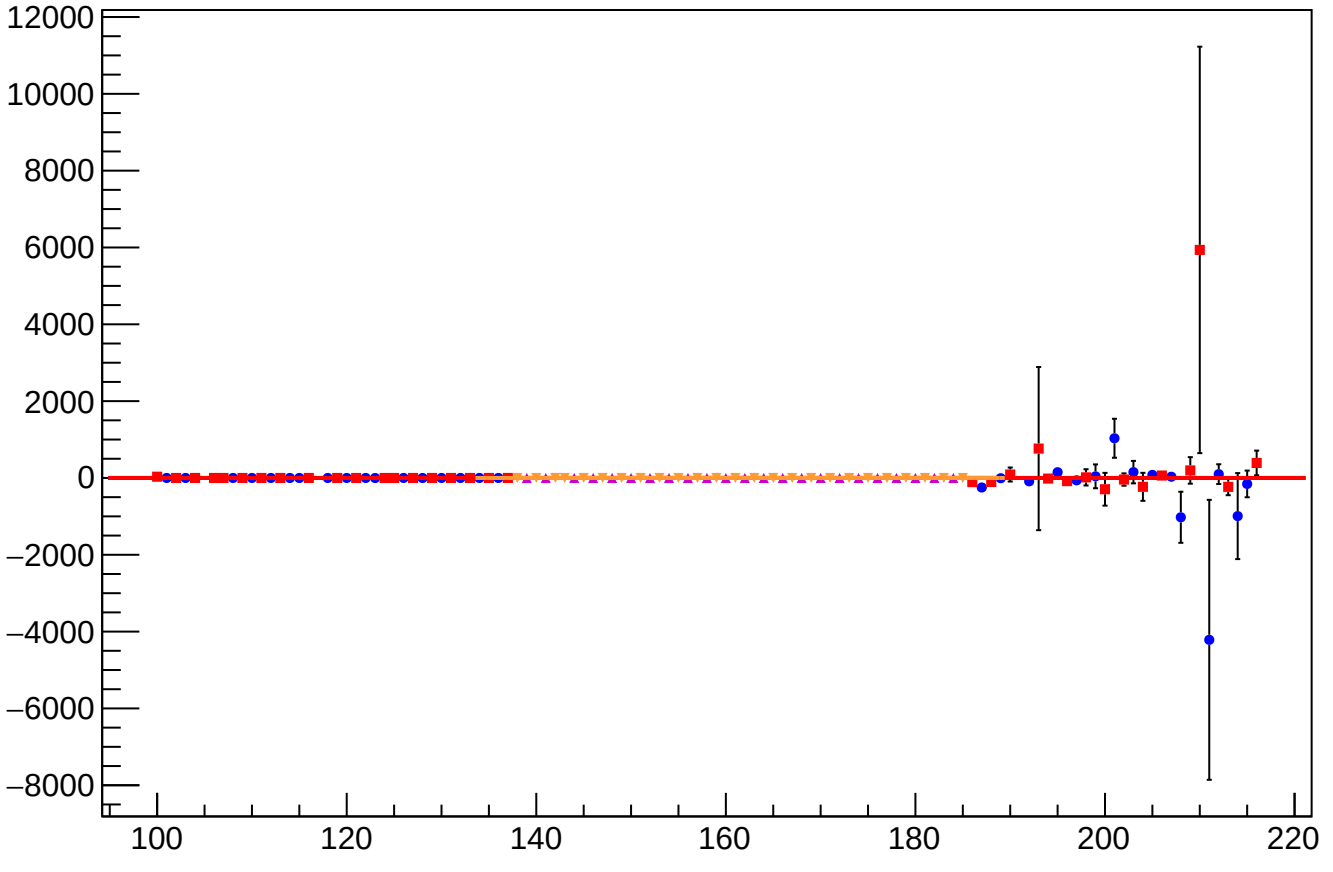
Left: -0.065+/-0.015 χ^2/NDF: 73.7/47

Right: -0.068+/-0.027 χ^2/NDF: 97.3/65

In: -0.058+/-0.019 χ^2/NDF:100.1/54

Out: -0.073+/-0.019 χ^2/NDF:70.7/58

All: -0.066+/-0.013 χ^2/NDF: 171.1/113



Right In: -0.135+/-0.067 χ^2/NDF: 51.0/31

Left Out: -0.018+/-0.027 χ^2/NDF:29.0/24

Right Out: -0.167+/-0.071 χ^2/NDF: 83.3/33

Left In: -0.033+/-0.027 χ^2/NDF:28.5/22

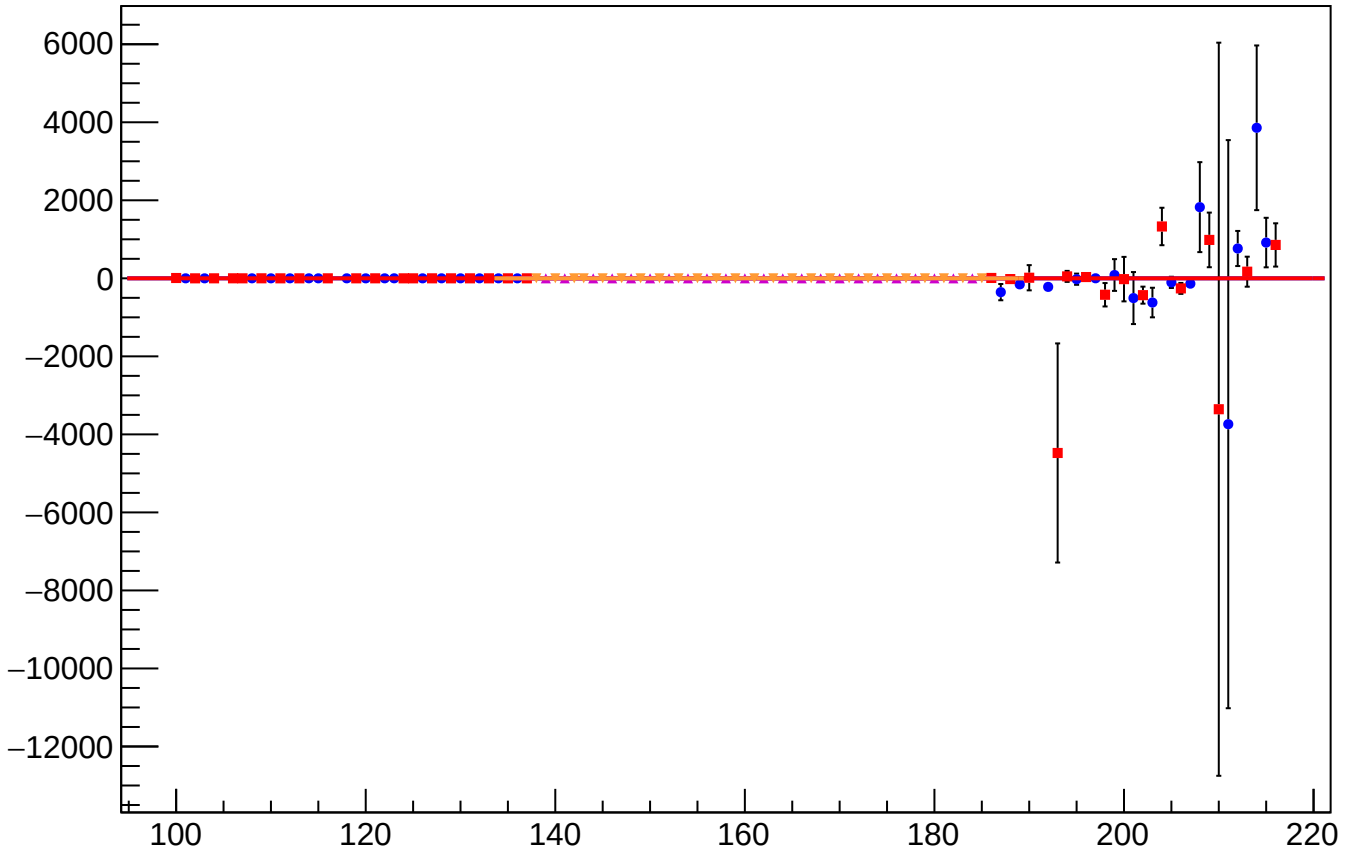
Left: -0.025+/-0.019 χ^2/NDF: 57.6/47

Right: -0.150+/-0.049 χ^2/NDF: 134.4/65

In: -0.047+/-0.025 χ^2/NDF:81.4/54

Out: -0.037+/-0.025 χ^2/NDF:116.2/58

All: -0.042+/-0.018 χ^2/NDF: 197.7/113



Right In: 0.018+/-0.043 χ^2/NDF: 49.2/31

Left Out: 0.063+/-0.024 χ^2/NDF:24.6/24

Right Out: 0.144+/-0.045 χ^2/NDF: 41.3/33

Left In: 0.069+/-0.025 χ^2/NDF:51.8/22

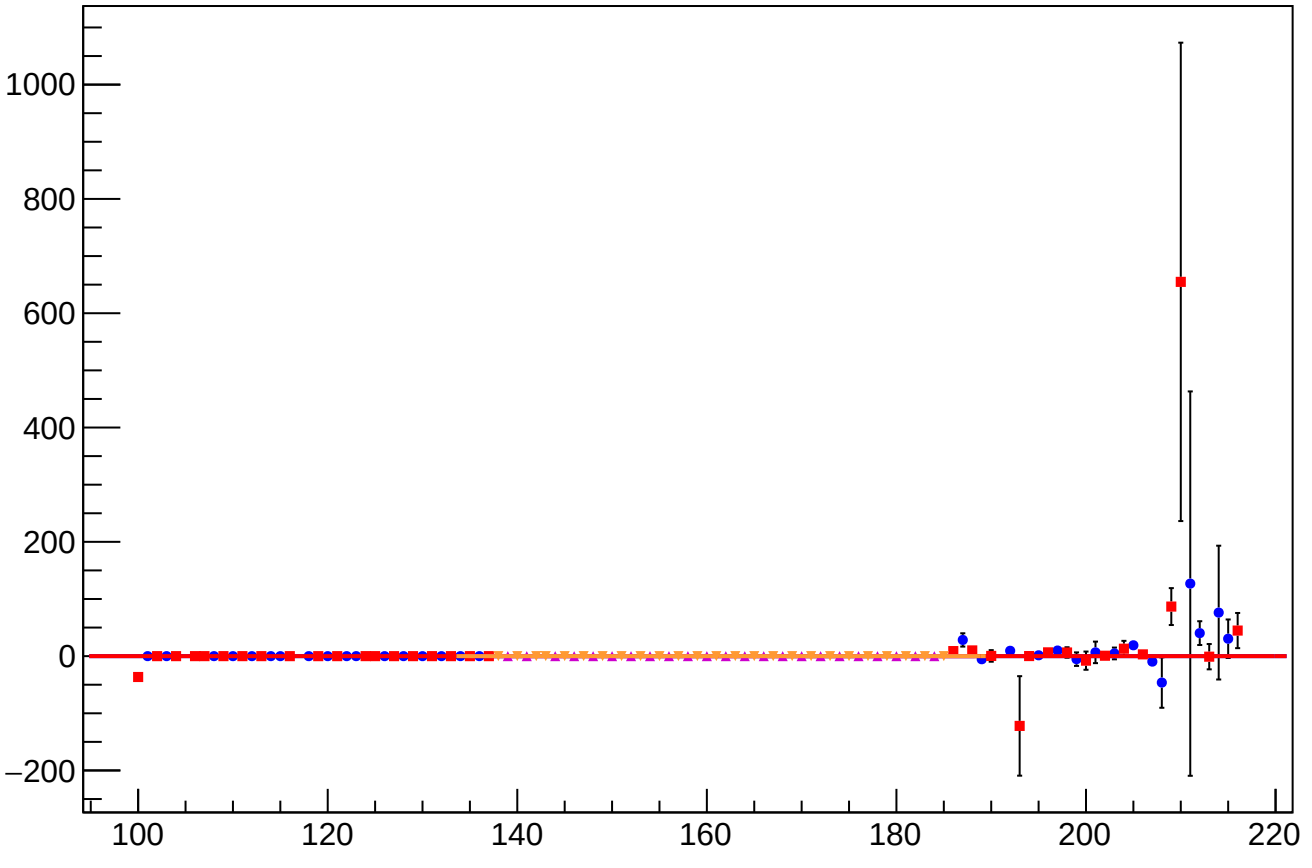
Left: 0.066+/-0.017 χ^2/NDF: 76.5/47

Right: 0.077+/-0.031 χ^2/NDF: 94.5/65

In: 0.056+/-0.021 χ^2/NDF:102.0/54

Out: 0.081+/-0.021 χ^2/NDF:68.4/58

All: 0.069+/-0.015 χ^2/NDF: 171.1/113



Right In: 0.001+/-0.002 χ^2/NDF: 69.2/31

Left Out: 0.008+/-0.001 χ^2/NDF:26.3/24

Right Out: 0.001+/-0.002 χ^2/NDF: 10486.1/33

Left In: 0.009+/-0.001 χ^2/NDF:15.0/22

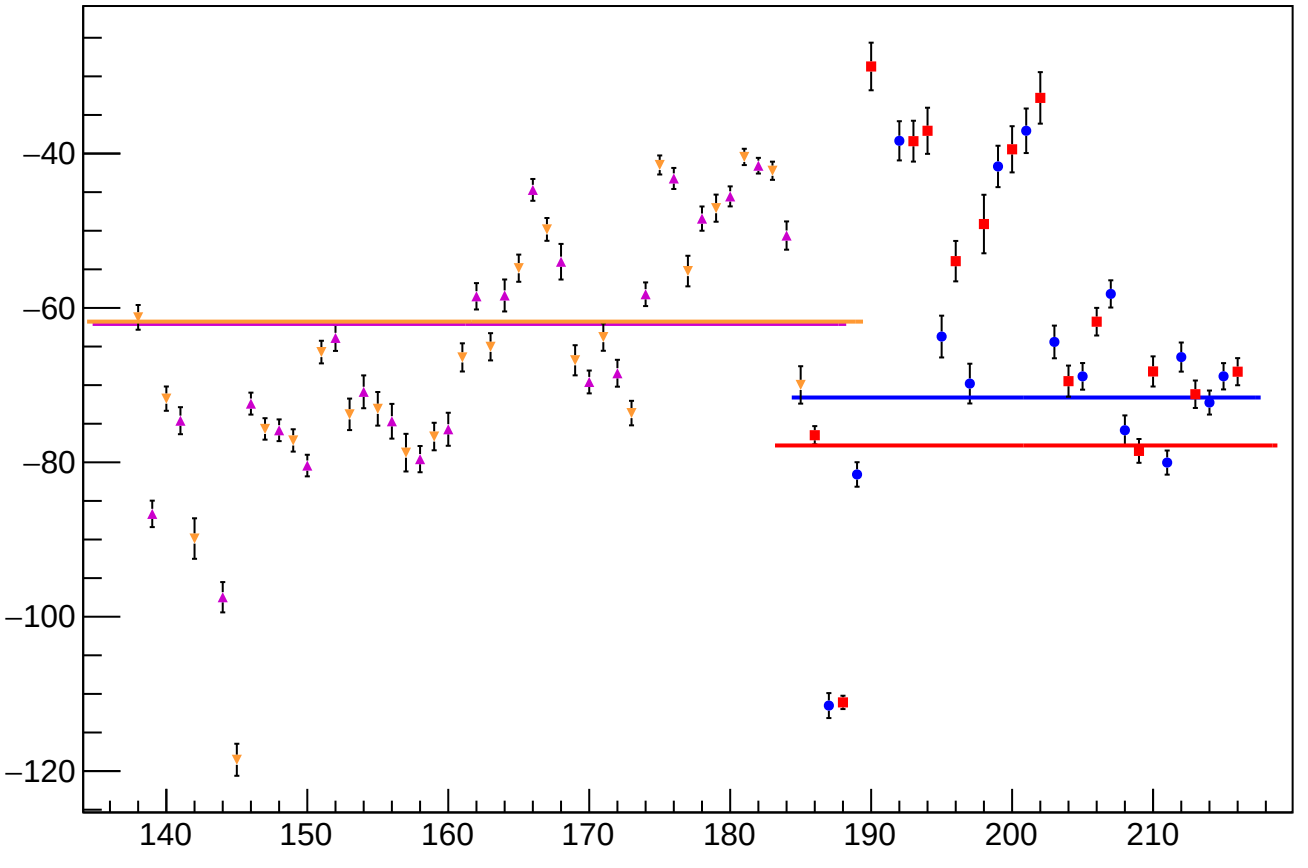
Left: 0.009+/-0.001 χ^2/NDF: 41.4/47

Right: 0.001+/-0.002 χ^2/NDF: 10555.3/65

In: 0.007+/-0.001 χ^2/NDF:93.7/54

Out: 0.007+/-0.001 χ^2/NDF:10521.3/58

All: 0.007+/-0.001 χ^2/NDF: 10615.1/113



Right In: -71.604+/-0.495 χ^2/NDF: 1213.2/14

Left Out: -61.771+/-0.334 χ^2/NDF:2504.9/23

Right Out: -77.816+/-0.460 χ^2/NDF: 2798.9/14

Left In: -62.073+/-0.332 χ^2/NDF:2192.0/22

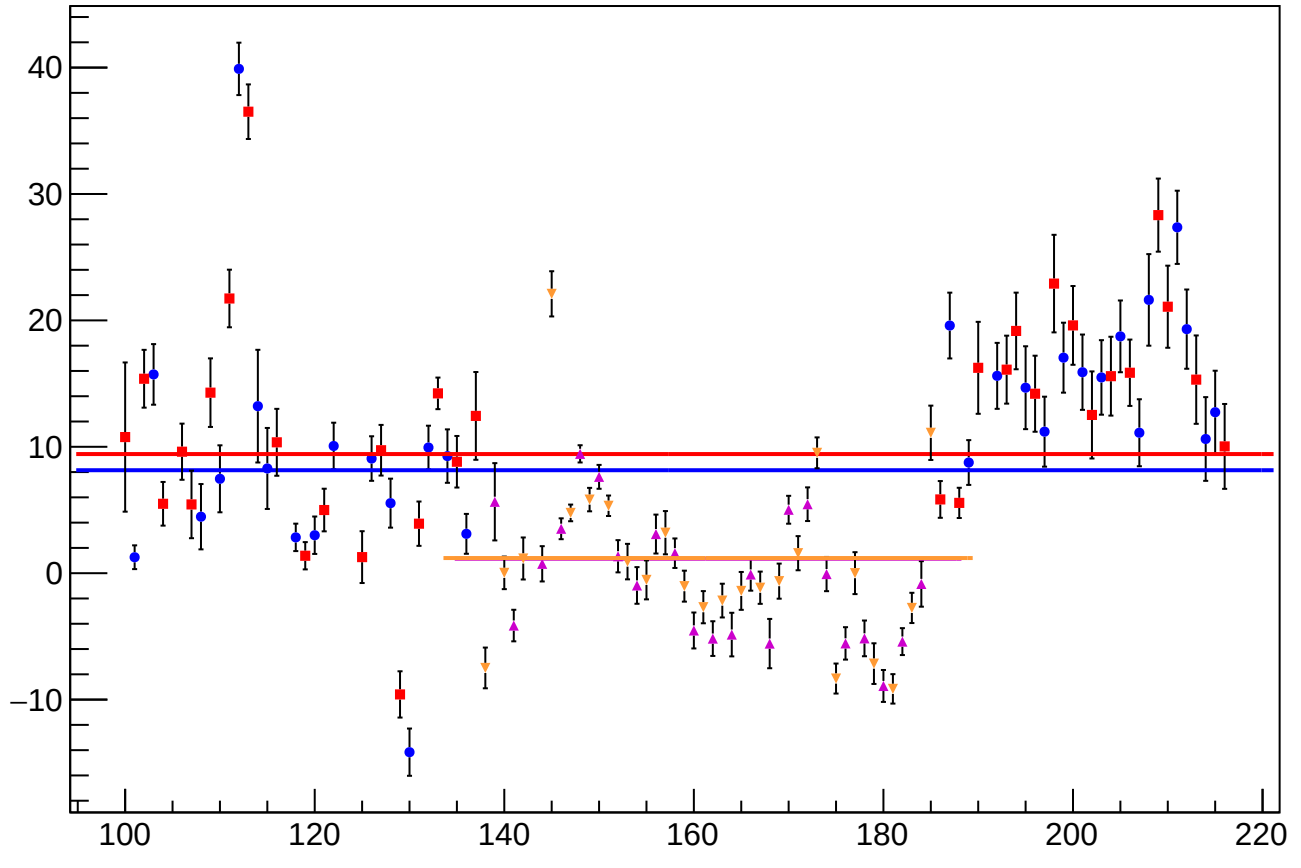
Left: -61.923+/-0.236 χ^2/NDF: 4697.3/46

Right: -74.935+/-0.337 χ^2/NDF: 4096.6/29

In: -65.034+/-0.276 χ^2/NDF:3660.7/37

Out: -67.301+/-0.270 χ^2/NDF:6099.7/38

All: -66.191+/-0.193 χ^2/NDF: 9794.9/76



Right In: 8.147+/-0.369 χ^2/NDF: 639.1/30

Left Out: 1.198+/-0.253 χ^2/NDF:526.3/23

Right Out: 9.425+/-0.369 χ^2/NDF: 547.0/32

Left In: 1.146+/-0.255 χ^2/NDF:462.9/22

Left: 1.172+/-0.180 χ^2/NDF: 989.3/46

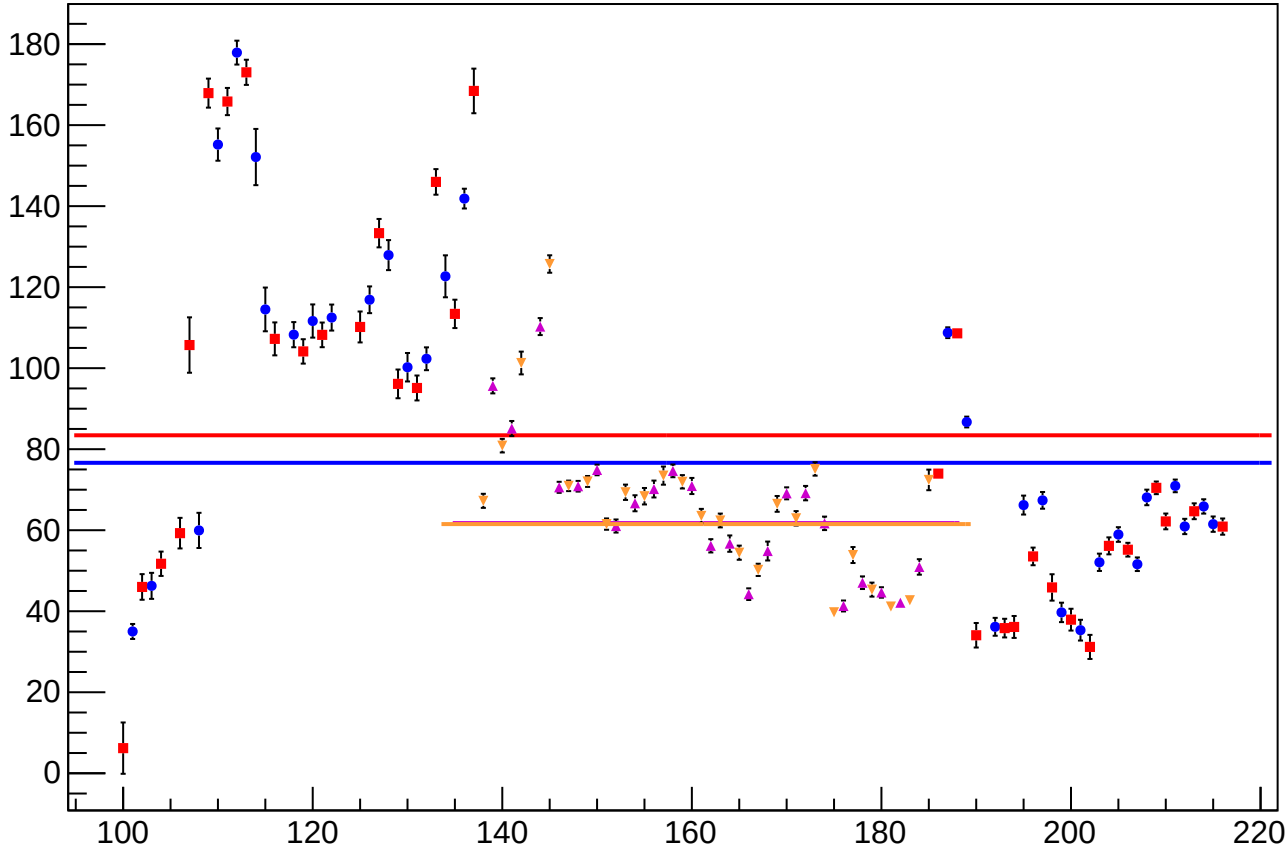
Right: 8.786+/-0.261 χ^2/NDF: 1192.1/63

In: 3.415+/-0.210 χ^2/NDF:1345.7/53

Out: 3.827+/-0.208 χ^2/NDF:1412.4/56

All: 3.623+/-0.148 χ^2/NDF: 2760.0/110

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.639+/-0.407 χ^2/NDF: 6076.4/30

Left Out: 61.512+/-0.332 χ^2/NDF:2606.0/23

Right Out: 83.432+/-0.368 χ^2/NDF: 7752.5/32

Left In: 61.762+/-0.330 χ^2/NDF:2418.2/22

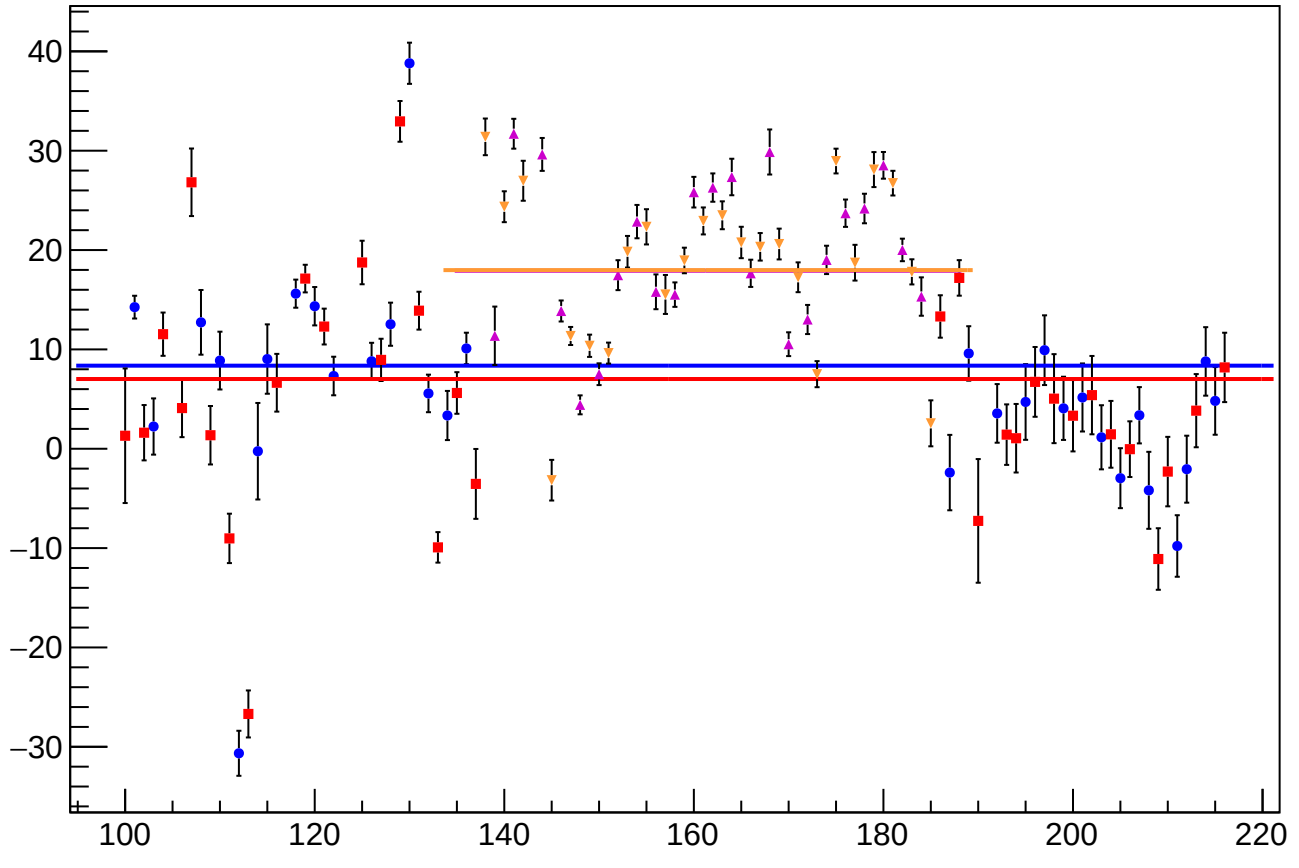
Left: 61.638+/-0.234 χ^2/NDF: 5024.5/46

Right: 80.378+/-0.273 χ^2/NDF: 13981.9/63

In: 67.655+/-0.256 χ^2/NDF:9299.9/53

Out: 71.353+/-0.247 χ^2/NDF:12311.8/56

All: 69.576+/-0.178 χ^2/NDF: 21719.7/110



Right In: 8.363+/-0.429 χ^2/NDF: 687.9/30

Left Out: 17.980+/-0.291 χ^2/NDF:674.4/23

Right Out: 7.020+/-0.438 χ^2/NDF: 792.6/32

Left In: 17.916+/-0.292 χ^2/NDF:726.5/22

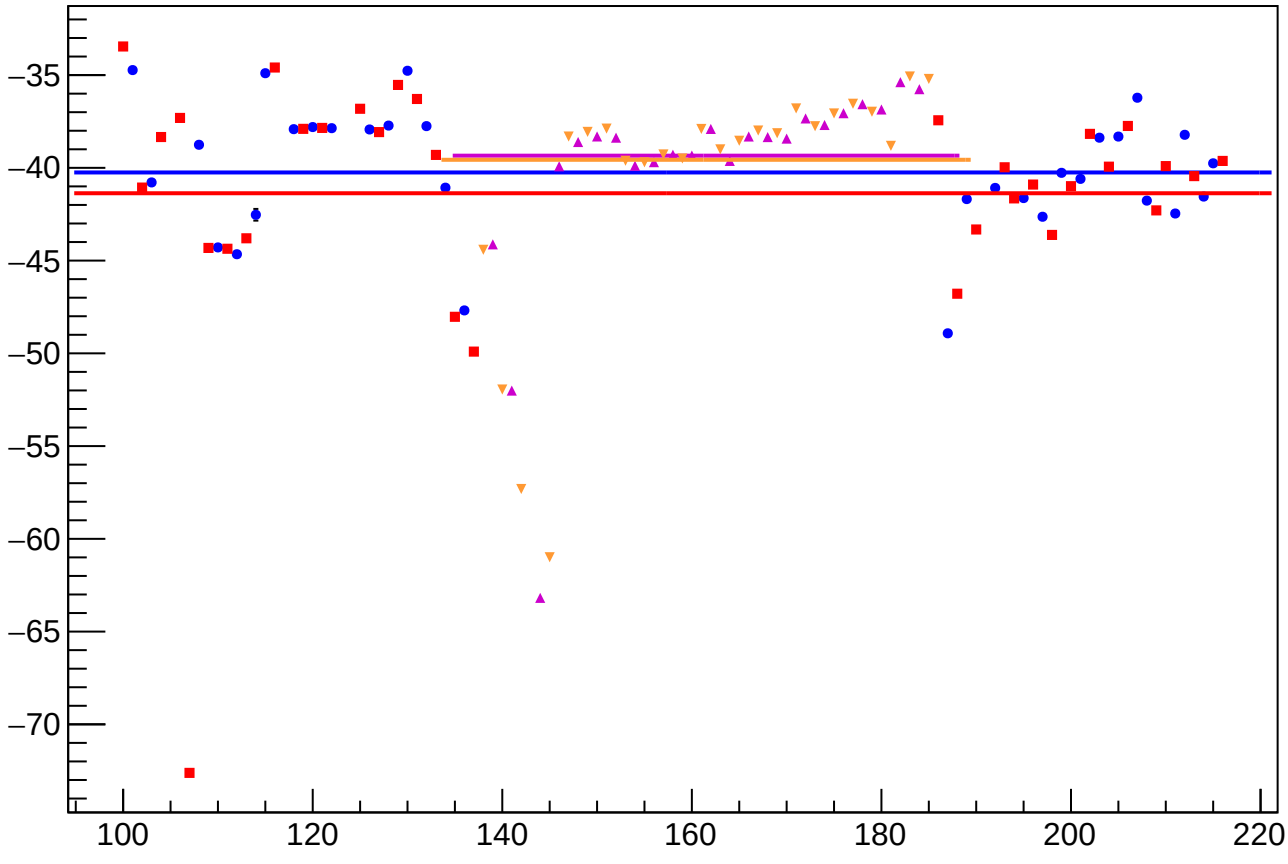
Left: 17.948+/-0.206 χ^2/NDF: 1400.9/46

Right: 7.705+/-0.306 χ^2/NDF: 1485.3/63

In: 14.884+/-0.242 χ^2/NDF:1753.3/53

Out: 14.622+/-0.242 χ^2/NDF:1902.0/56

All: 14.754+/-0.171 χ^2/NDF: 3655.9/110



Right In: -40.249+/-0.021 χ^2/NDF: 29898.2/30

Left Out: -39.566+/-0.014 χ^2/NDF:141198.7/23

Right Out: -41.369+/-0.021 χ^2/NDF: 68787.1/32

Left In: -39.344+/-0.014 χ^2/NDF:116615.7/22

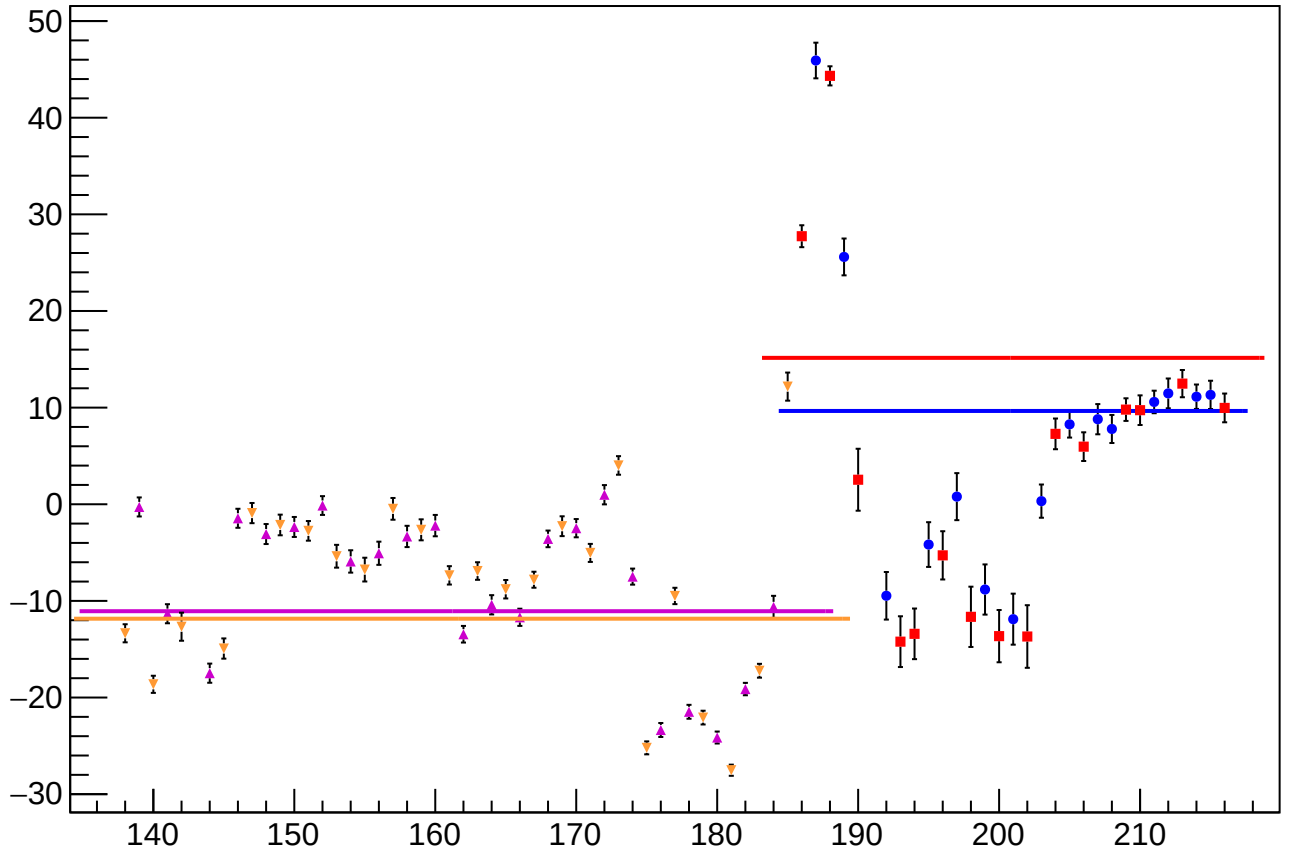
Left: -39.454+/-0.010 χ^2/NDF: 257946.5/46

Right: -40.809+/-0.015 χ^2/NDF: 100072.5/63

In: -39.607+/-0.011 χ^2/NDF:147800.2/53

Out: -40.097+/-0.012 χ^2/NDF:215057.3/56

All: -39.850+/-0.008 χ^2/NDF: 363765.7/110



Right In: 9.655+/-0.431 χ^2/NDF: 720.0/14

Left Out: -11.842+/-0.187 χ^2/NDF:2739.8/23

Right Out: 15.150+/-0.421 χ^2/NDF: 1696.5/14

Left In: -11.067+/-0.188 χ^2/NDF:2104.8/22

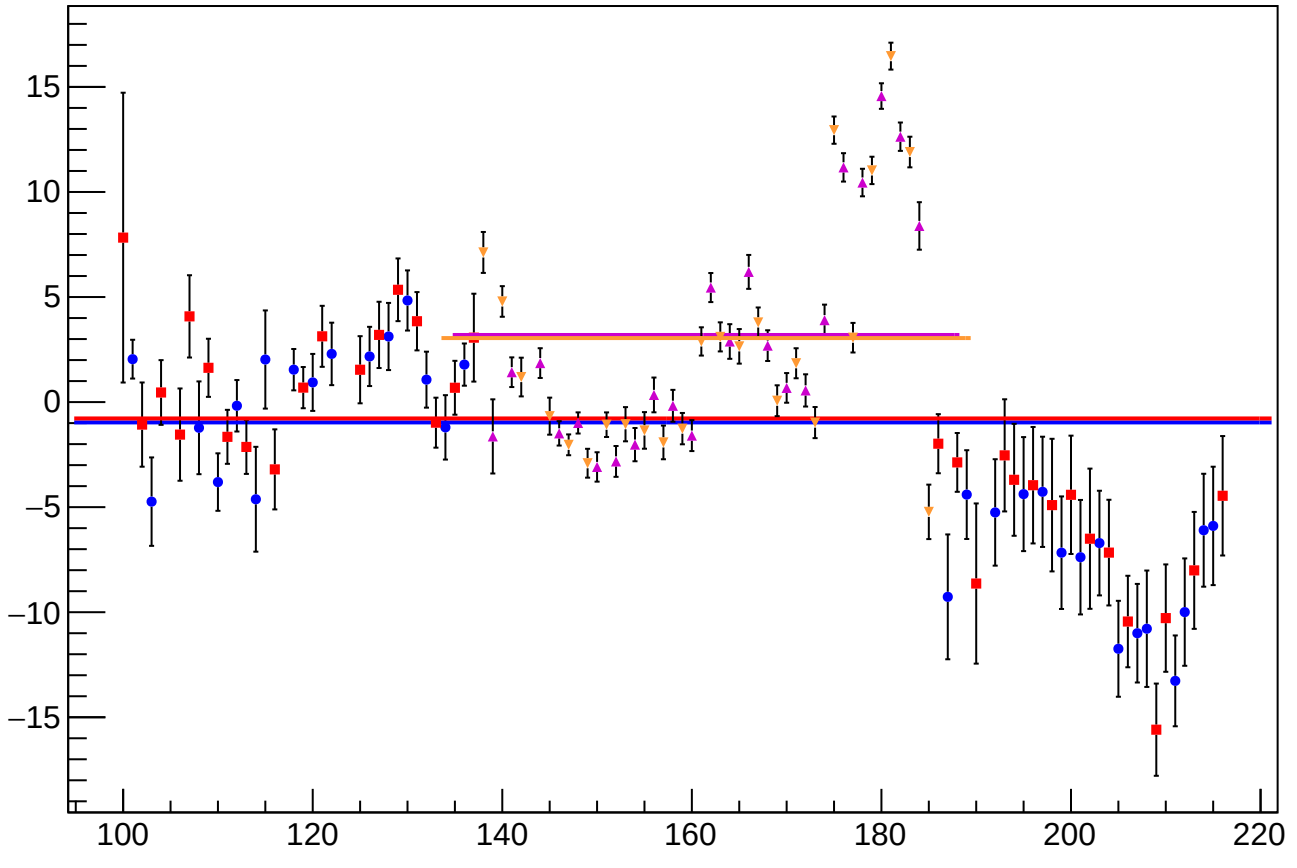
Left: -11.457+/-0.133 χ^2/NDF: 4853.2/46

Right: 12.465+/-0.301 χ^2/NDF: 2499.6/29

In: -7.754+/-0.172 χ^2/NDF:4768.0/37

Out: -7.403+/-0.171 χ^2/NDF:7869.8/38

All: -7.577+/-0.121 χ^2/NDF: 12639.8/76



Right In: -0.967+/-0.303 χ^2/NDF: 210.9/30

Left Out: 3.047+/-0.148 χ^2/NDF:1457.2/23

Right Out: -0.778+/-0.304 χ^2/NDF: 175.8/32

Left In: 3.194+/-0.150 χ^2/NDF:1295.0/22

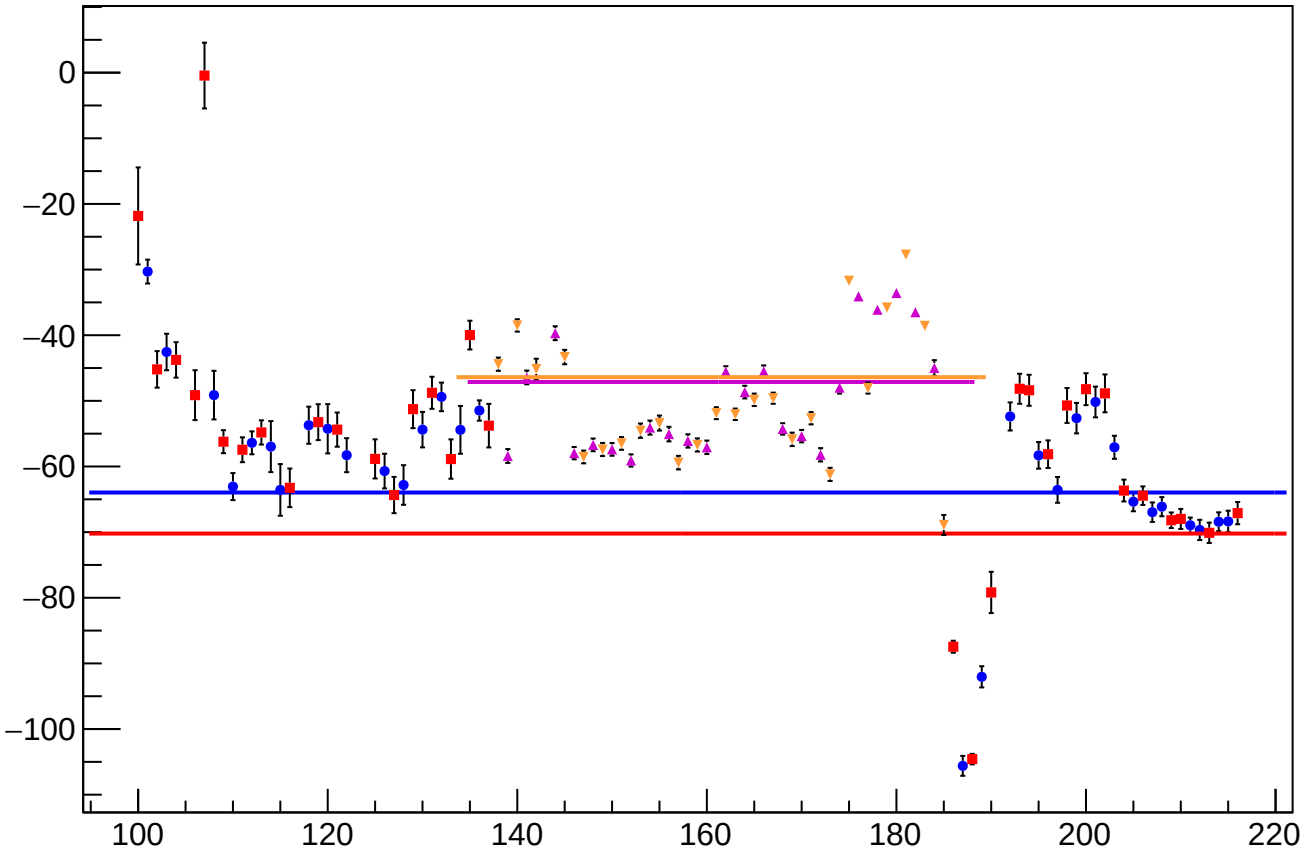
Left: 3.119+/-0.105 χ^2/NDF: 2752.7/46

Right: -0.873+/-0.215 χ^2/NDF: 386.9/63

In: 2.376+/-0.134 χ^2/NDF:1657.3/53

Out: 2.317+/-0.133 χ^2/NDF:1760.7/56

All: 2.346+/-0.095 χ^2/NDF: 3418.1/110



Right In: -63.964+/-0.348 χ^2/NDF: 1818.9/30

Left Out: -46.392+/-0.187 χ^2/NDF:3286.7/23

Right Out: -70.219+/-0.328 χ^2/NDF: 3736.0/32

Left In: -47.128+/-0.187 χ^2/NDF:2516.0/22

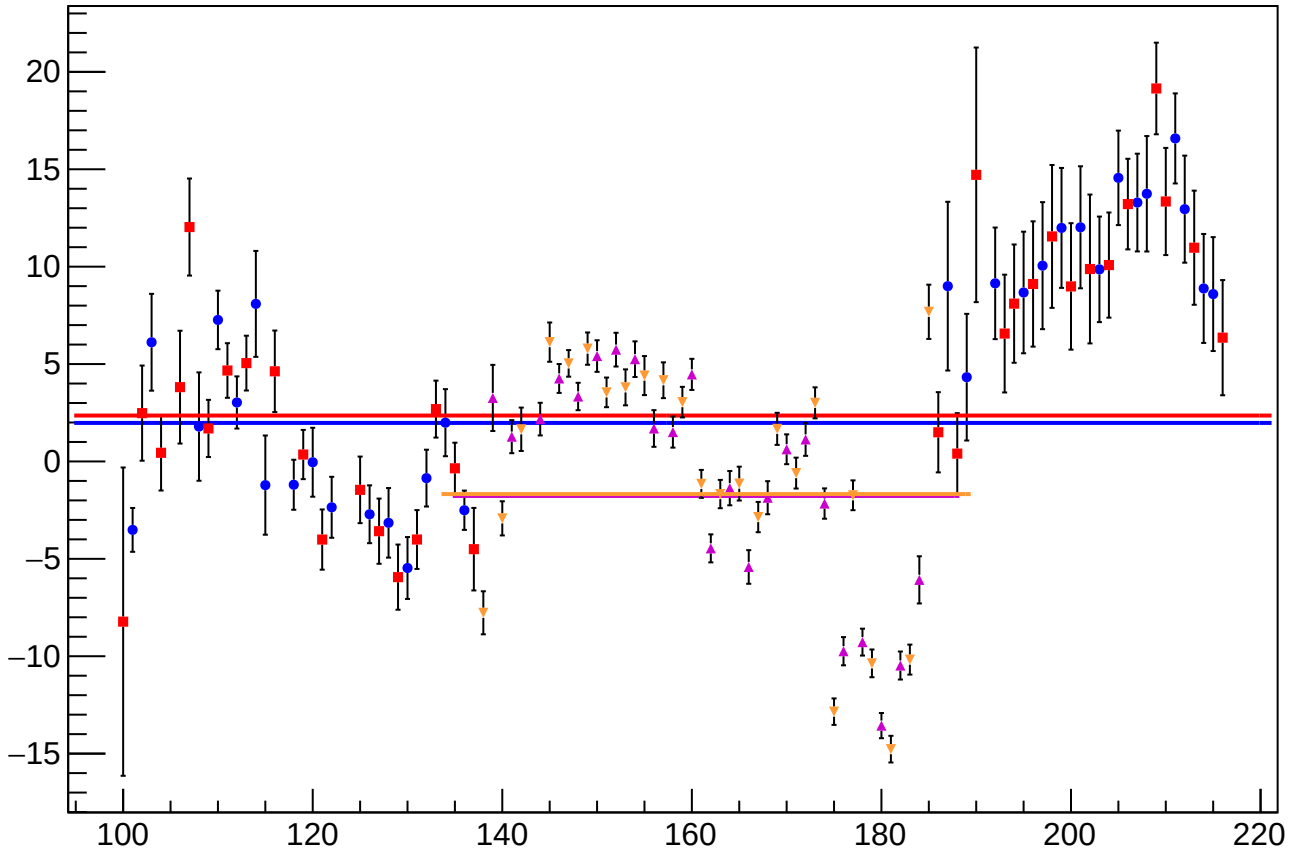
Left: -46.759+/-0.132 χ^2/NDF: 5810.5/46

Right: -67.272+/-0.239 χ^2/NDF: 5726.3/63

In: -50.914+/-0.165 χ^2/NDF:6154.1/53

Out: -52.218+/-0.162 χ^2/NDF:11010.6/56

All: -51.576+/-0.116 χ^2/NDF: 17196.6/110



Right In: 1.978+/-0.343 χ^2/NDF: 304.6/30

Left Out: -1.675+/-0.167 χ^2/NDF:1483.8/23

Right Out: 2.357+/-0.350 χ^2/NDF: 256.3/32

Left In: -1.771+/-0.169 χ^2/NDF:1251.3/22

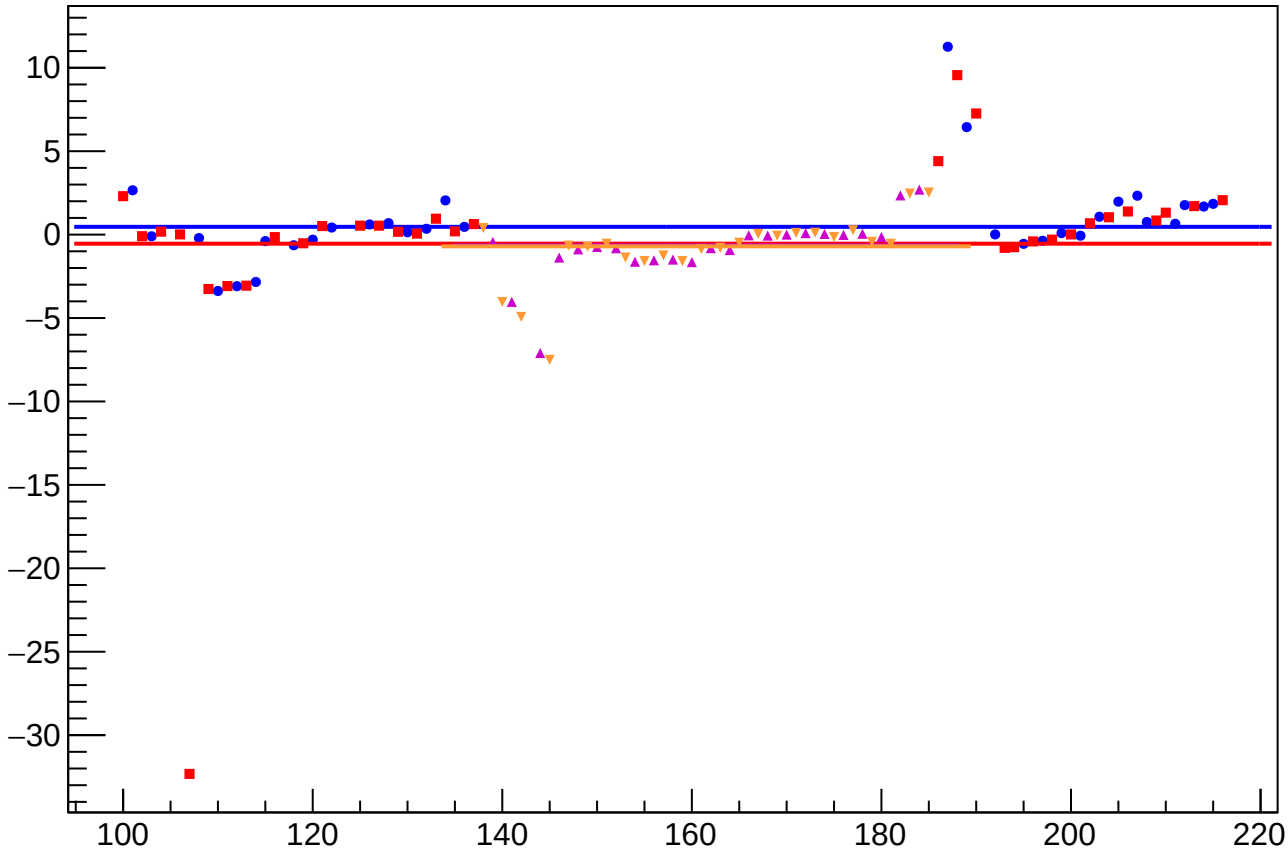
Left: -1.723+/-0.119 χ^2/NDF: 2735.2/46

Right: 2.164+/-0.245 χ^2/NDF: 561.5/63

In: -1.041+/-0.152 χ^2/NDF:1651.8/53

Out: -0.928+/-0.151 χ^2/NDF:1848.1/56

All: -0.984+/-0.107 χ^2/NDF: 3500.2/110



Right In: 0.466+/-0.017 χ^2/NDF: 10227.4/30

Left Out: -0.702+/-0.008 χ^2/NDF:53834.9/23

Right Out: -0.544+/-0.017 χ^2/NDF: 94285.1/32

Left In: -0.644+/-0.008 χ^2/NDF:44169.2/22

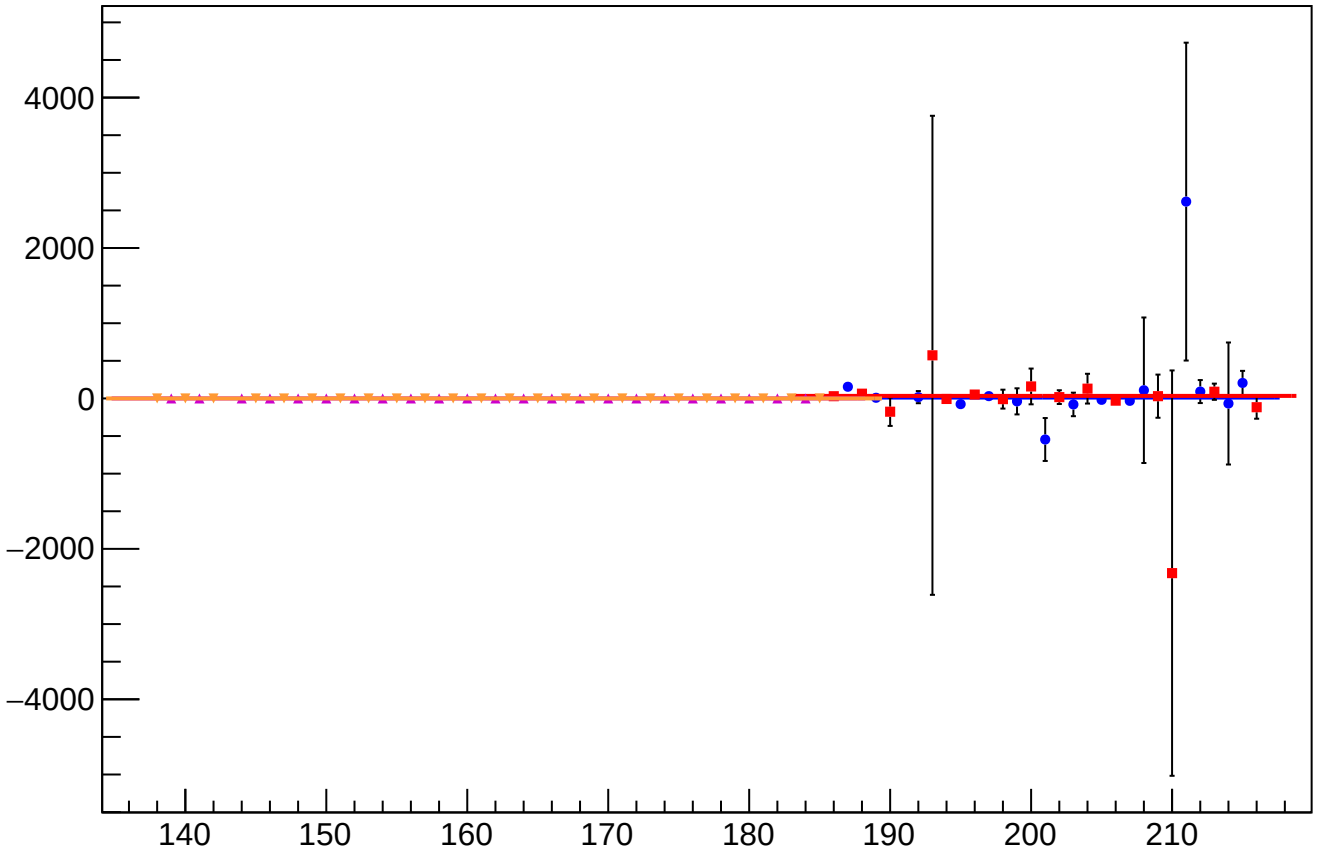
Left: -0.673+/-0.005 χ^2/NDF: 98032.6/46

Right: -0.034+/-0.012 χ^2/NDF: 106212.7/63

In: -0.460+/-0.007 χ^2/NDF:57857.8/53

Out: -0.676+/-0.007 χ^2/NDF:148189.3/56

All: -0.568+/-0.005 χ^2/NDF: 206521.4/110



Right In: 11.660+/-15.071 χ^2/NDF: 22.7/14

Left Out: -0.037+/-0.018 χ^2/NDF:35.4/23

Right Out: 33.801+/-9.613 χ^2/NDF: 8.6/14

Left In: -0.010+/-0.018 χ^2/NDF:35.1/22

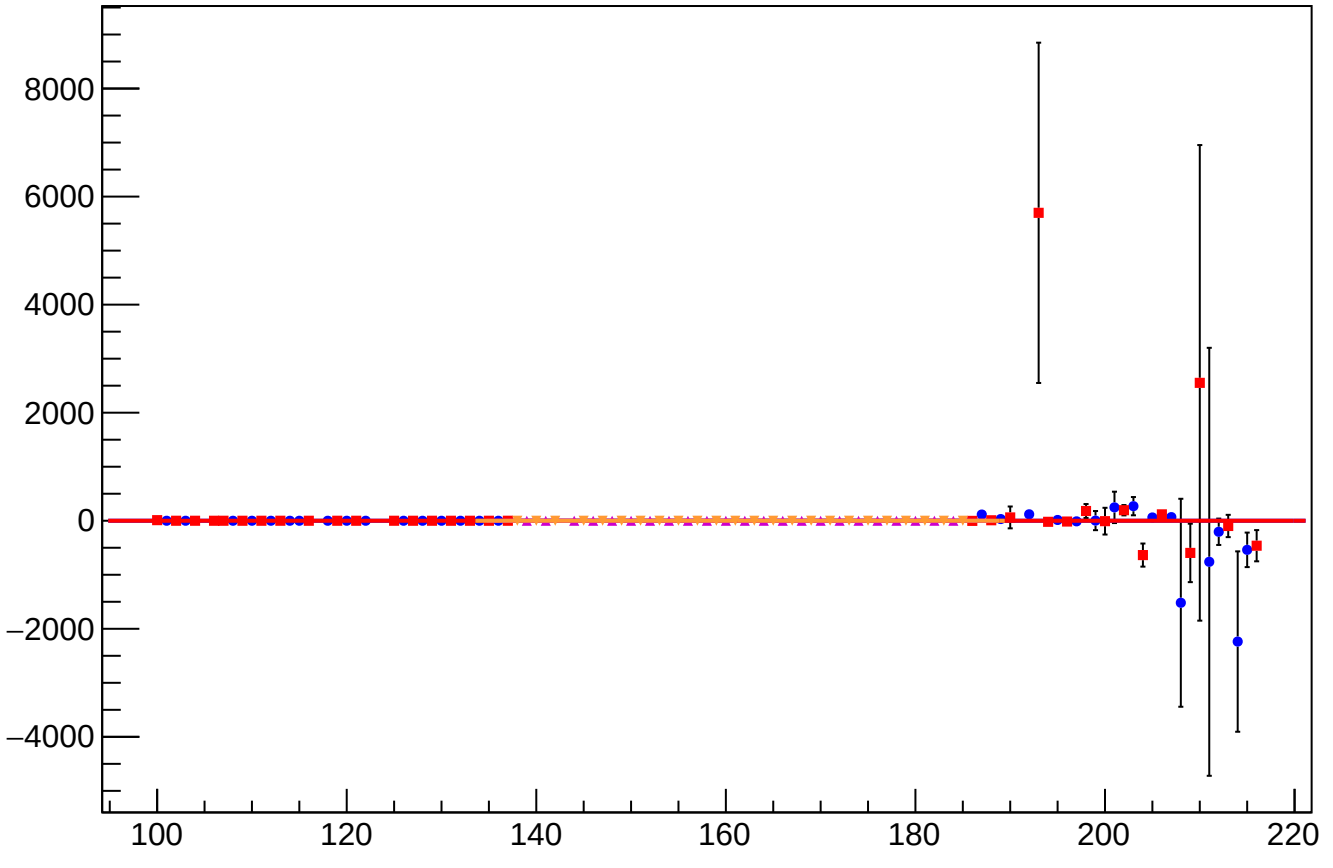
Left: -0.024+/-0.013 χ^2/NDF: 71.7/46

Right: 27.397+/-8.105 χ^2/NDF: 32.8/29

In: -0.010+/-0.018 χ^2/NDF:58.4/37

Out: -0.037+/-0.018 χ^2/NDF:56.4/38

All: -0.024+/-0.013 χ^2/NDF: 115.9/76



Right In: -0.013+/-0.023 χ^2/NDF: 29.5/30

Left Out: -0.073+/-0.014 χ^2/NDF:27.8/23

Right Out: -0.088+/-0.025 χ^2/NDF: 39.1/32

Left In: -0.064+/-0.014 χ^2/NDF:41.1/22

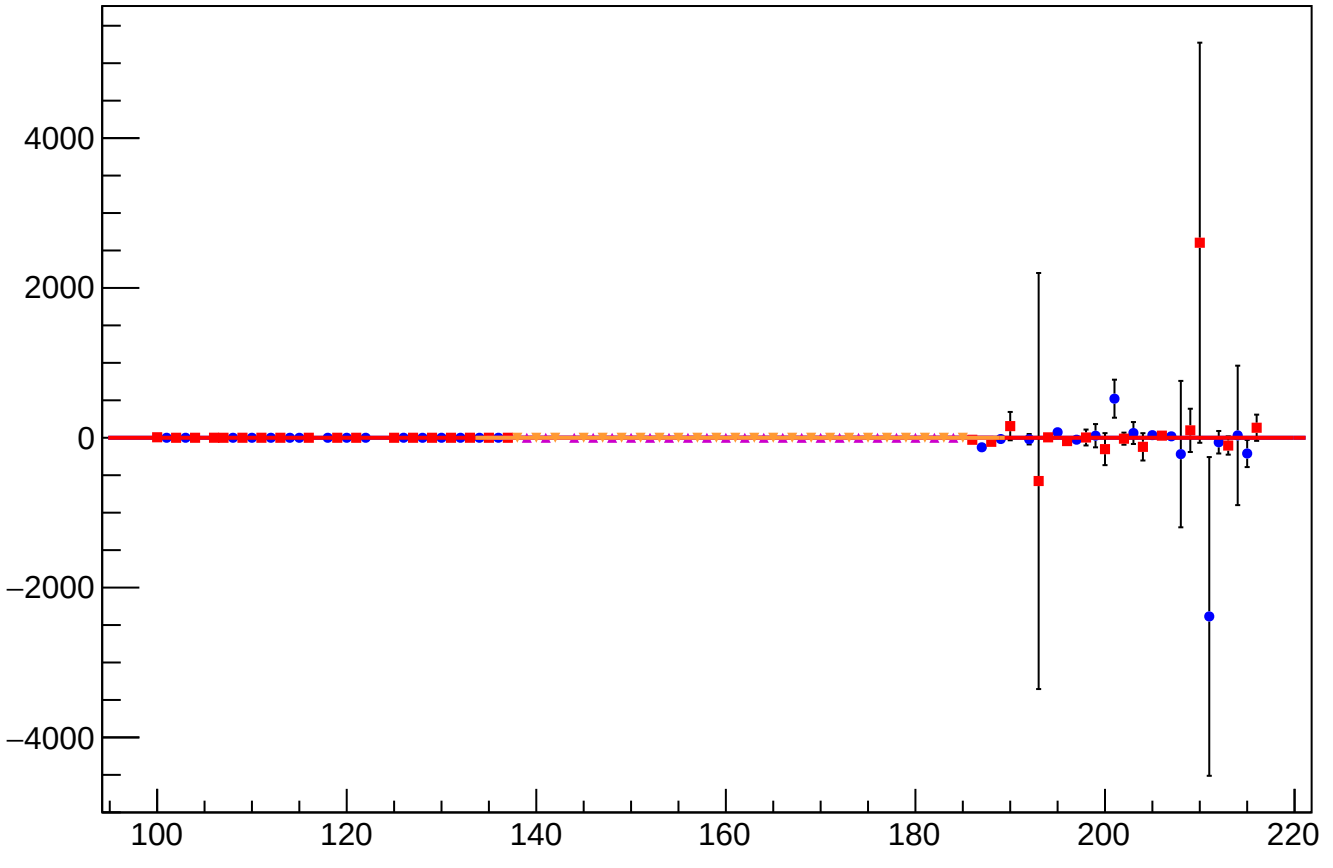
Left: -0.068+/-0.010 χ^2/NDF: 69.1/46

Right: -0.048+/-0.017 χ^2/NDF: 73.4/63

In: -0.050+/-0.012 χ^2/NDF:73.9/53

Out: -0.076+/-0.012 χ^2/NDF:67.2/56

All: -0.063+/-0.009 χ^2/NDF: 143.4/110



Right In: 0.016+/-0.043 χ^2/NDF: 32.9/30

Left Out: 0.035+/-0.018 χ^2/NDF:32.2/23

Right Out: 0.031+/-0.045 χ^2/NDF: 33.0/32

Left In: -0.009+/-0.018 χ^2/NDF:36.8/22

Left: 0.013+/-0.013 χ^2/NDF: 72.0/46

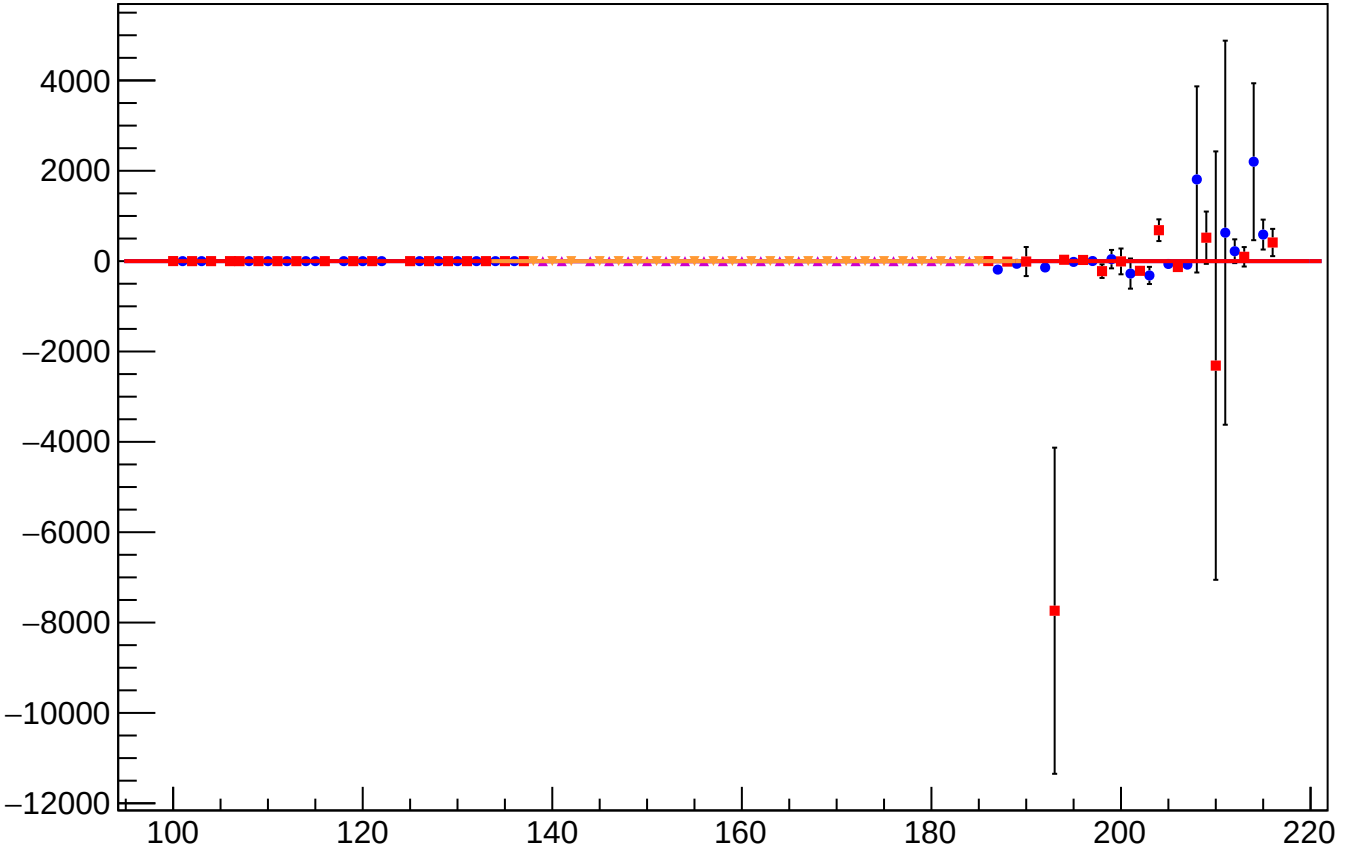
Right: 0.023+/-0.031 χ^2/NDF: 66.0/63

In: -0.005+/-0.017 χ^2/NDF:70.1/53

Out: 0.035+/-0.017 χ^2/NDF:65.2/56

All: 0.015+/-0.012 χ^2/NDF: 138.1/110

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.027 χ^2/NDF: 30.9/30

Left Out: 0.086+/-0.016 χ^2/NDF:27.7/23

Right Out: 0.105+/-0.029 χ^2/NDF: 33.8/32

Left In: 0.070+/-0.016 χ^2/NDF:44.8/22

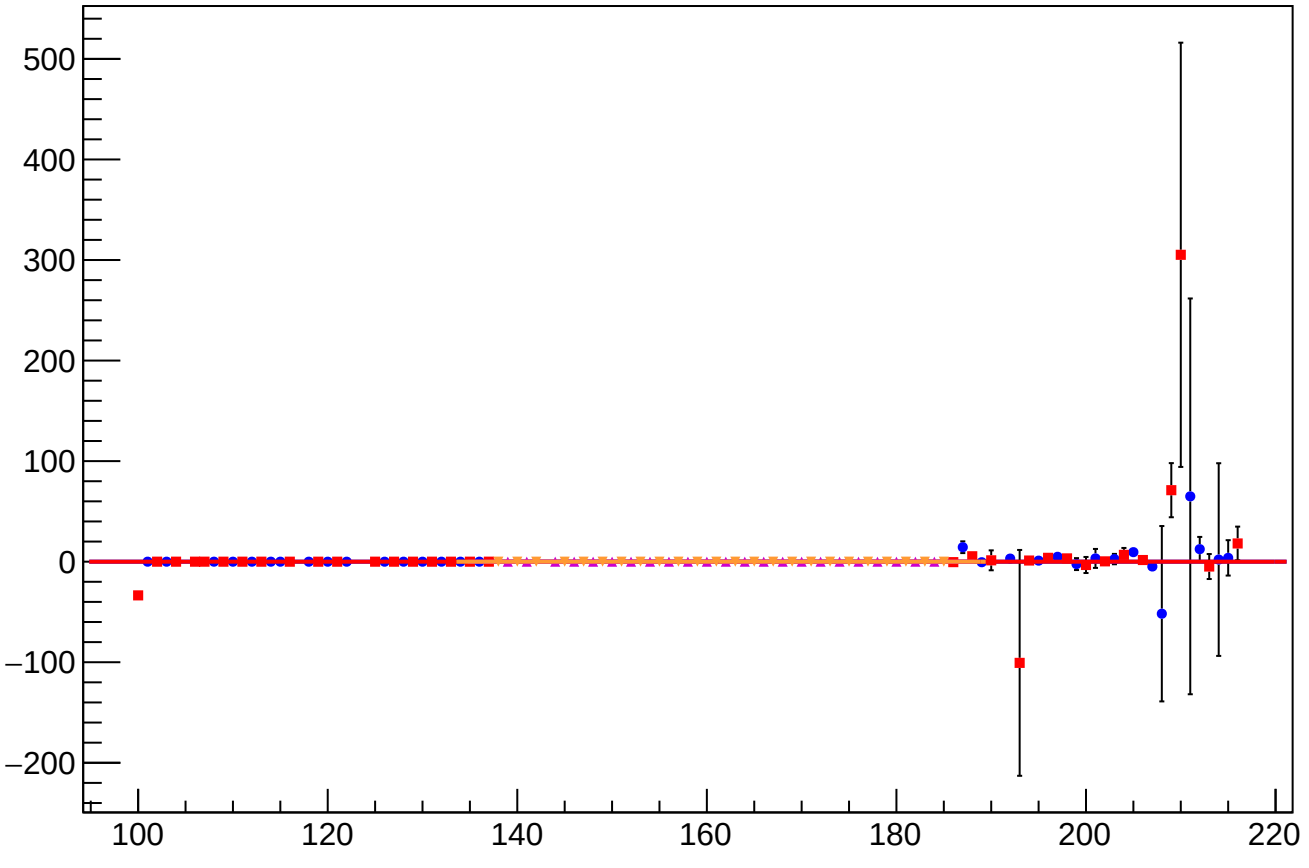
Left: 0.078+/-0.011 χ^2/NDF: 73.1/46

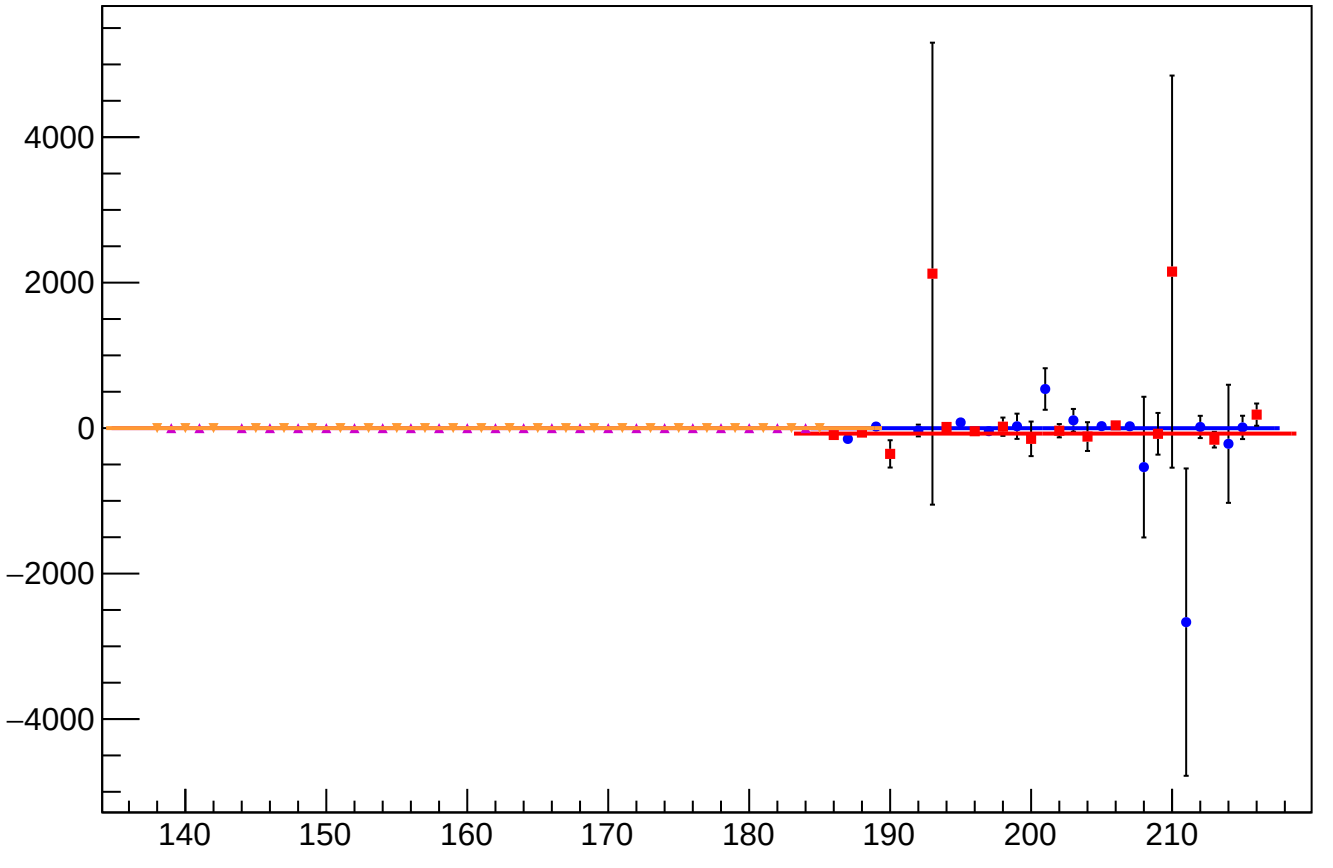
Right: 0.054+/-0.020 χ^2/NDF: 70.8/63

In: 0.053+/-0.014 χ^2/NDF:79.5/53

Out: 0.091+/-0.014 χ^2/NDF:61.9/56

All: 0.072+/-0.010 χ^2/NDF: 145.0/110


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: -0.005+/-0.001 χ²/NDF: 47.8/30
Left Out: 0.000+/-0.001 χ²/NDF:23.6/23
Right Out: -0.006+/-0.001 χ²/NDF: 26531.9/32
Left In: 0.000+/-0.001 χ²/NDF:22.3/22
Left: 0.000+/-0.001 χ²/NDF: 45.9/46
Right: -0.006+/-0.001 χ²/NDF: 26579.9/63
In: -0.001+/-0.001 χ²/NDF:81.8/53
Out: -0.001+/-0.001 χ²/NDF:26570.7/56
All: -0.001+/-0.000 χ²/NDF: 26652.5/110



Right In: -1.167+/-15.066 χ^2/NDF: 21.8/14

Left Out: -0.052+/-0.018 χ^2/NDF:37.3/23

Right Out: -75.163+/-9.616 χ^2/NDF: 19.5/14

Left In: -0.009+/-0.018 χ^2/NDF:35.1/22

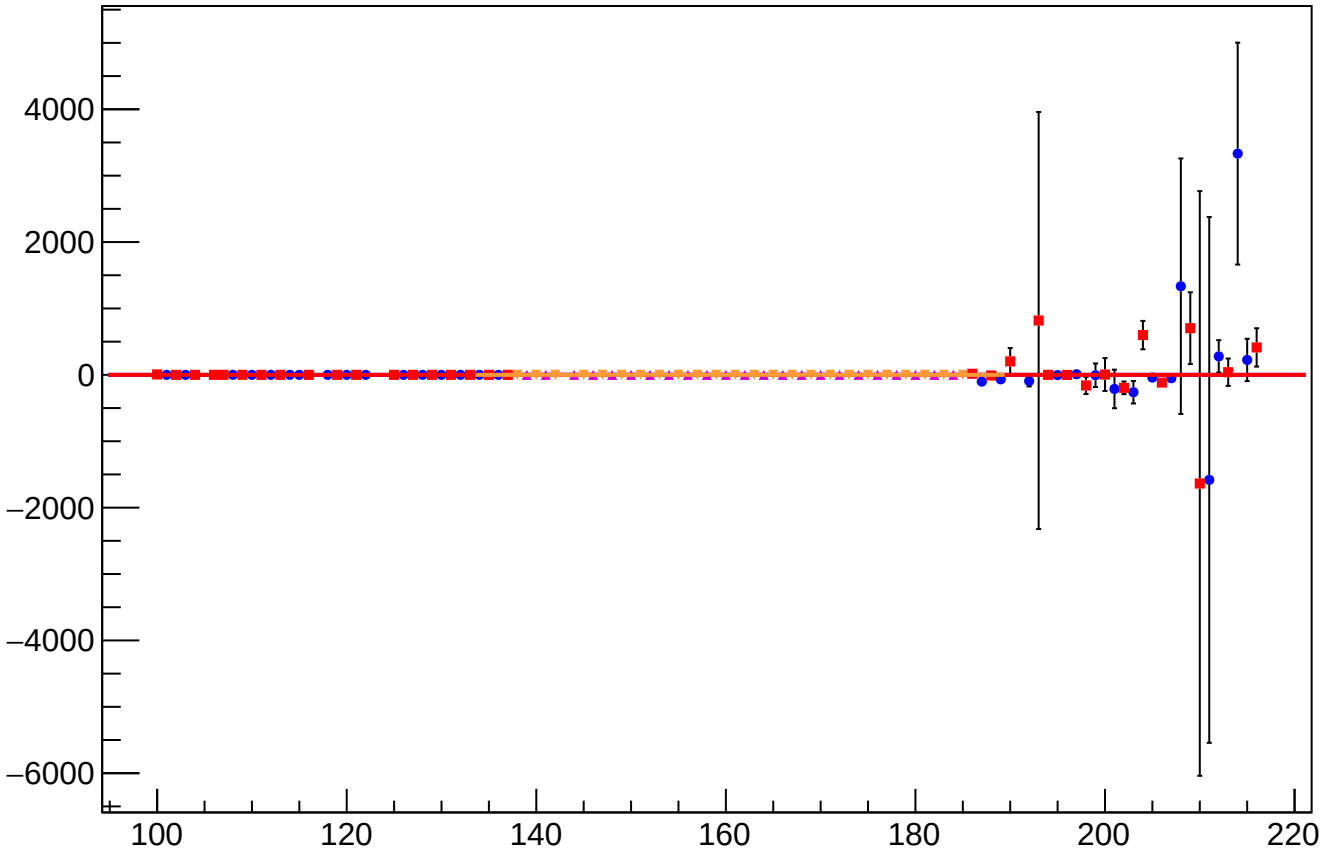
Left: -0.031+/-0.013 χ^2/NDF: 75.3/46

Right: -53.746+/-8.105 χ^2/NDF: 58.5/29

In: -0.009+/-0.018 χ^2/NDF:56.9/37

Out: -0.052+/-0.018 χ^2/NDF:117.9/38

All: -0.031+/-0.013 χ^2/NDF: 177.7/76



Right In: 0.007+/-0.023 χ^2/NDF: 43.7/30

Left Out: -0.011+/-0.014 χ^2/NDF:29.6/23

Right Out: 0.037+/-0.025 χ^2/NDF: 51.6/32

Left In: 0.005+/-0.014 χ^2/NDF:49.6/22

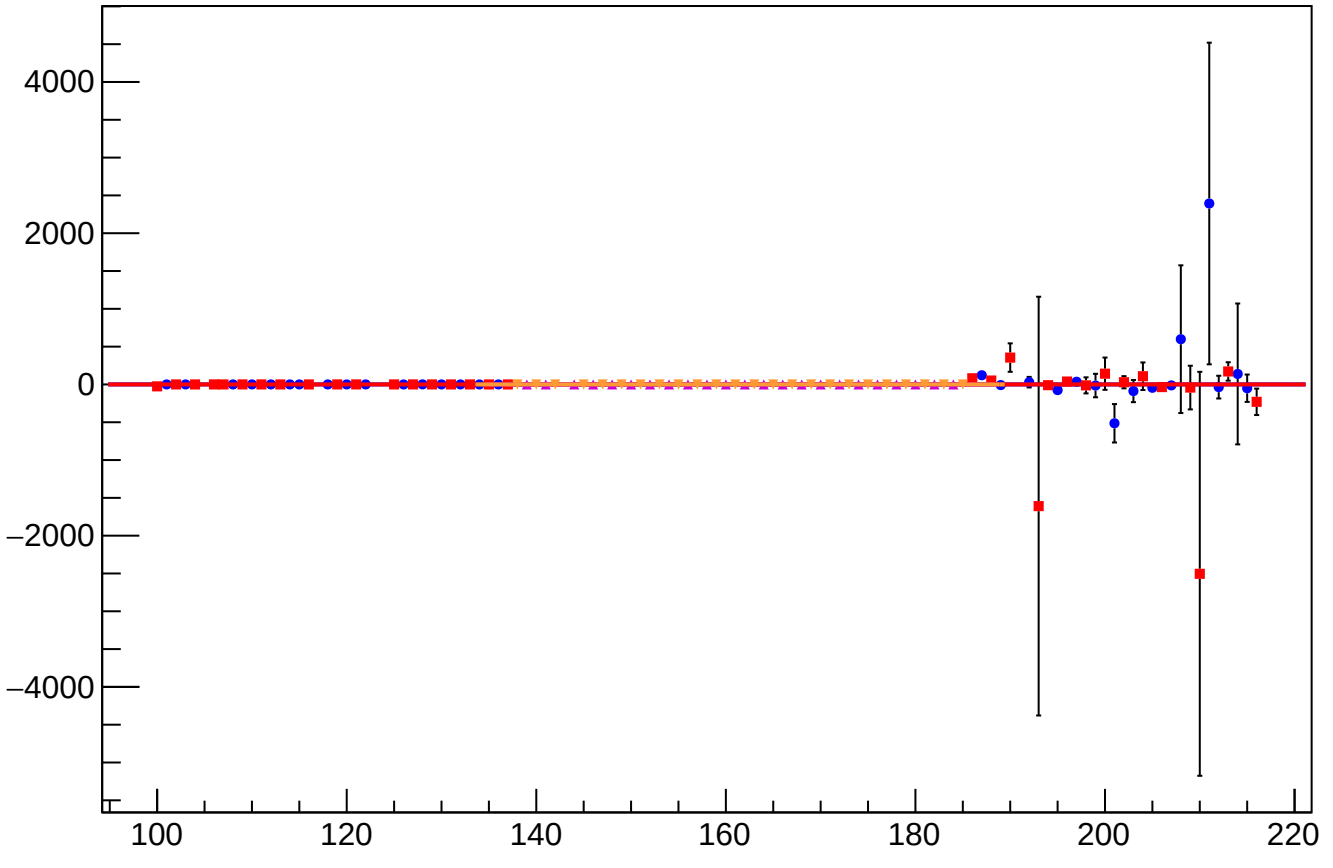
Left: -0.003+/-0.010 χ^2/NDF: 79.7/46

Right: 0.021+/-0.017 χ^2/NDF: 96.0/63

In: 0.006+/-0.012 χ^2/NDF:93.2/53

Out: 0.001+/-0.012 χ^2/NDF:84.0/56

All: 0.003+/-0.009 χ^2/NDF: 177.3/110



Right In: 0.157+/-0.043 χ^2/NDF: 52.0/30

Left Out: 0.048+/-0.018 χ^2/NDF:35.4/23

Right Out: 0.197+/-0.045 χ^2/NDF: 113.2/32

Left In: 0.020+/-0.018 χ^2/NDF:35.8/22

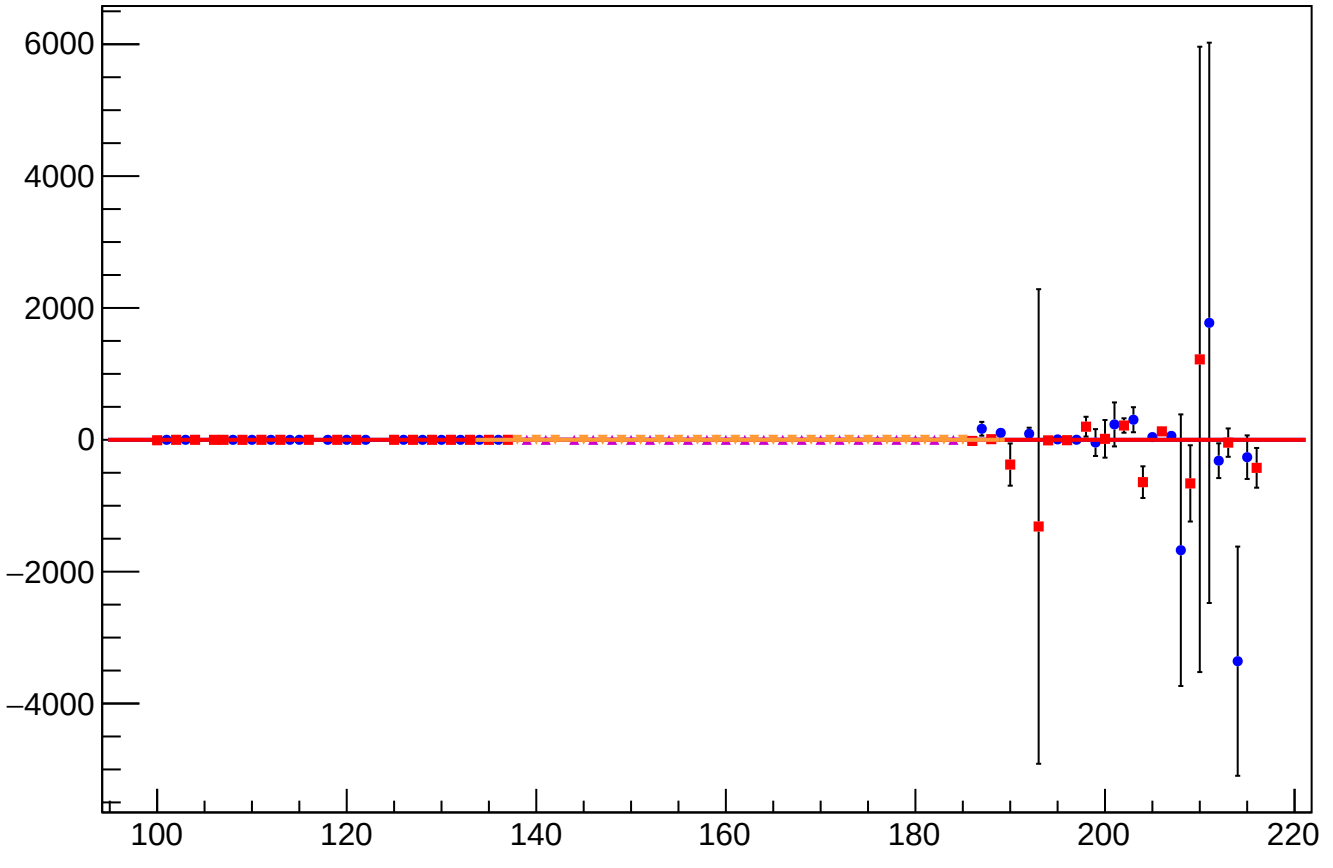
Left: 0.034+/-0.013 χ^2/NDF: 72.4/46

Right: 0.176+/-0.031 χ^2/NDF: 165.7/63

In: 0.040+/-0.017 χ^2/NDF:96.4/53

Out: 0.068+/-0.017 χ^2/NDF:158.1/56

All: 0.054+/-0.012 χ^2/NDF: 256.0/110



Right In: -0.010+/-0.027 χ^2/NDF: 43.5/30

Left Out: 0.022+/-0.016 χ^2/NDF:33.3/23

Right Out: -0.046+/-0.029 χ^2/NDF: 48.0/32

Left In: 0.006+/-0.016 χ^2/NDF:50.1/22

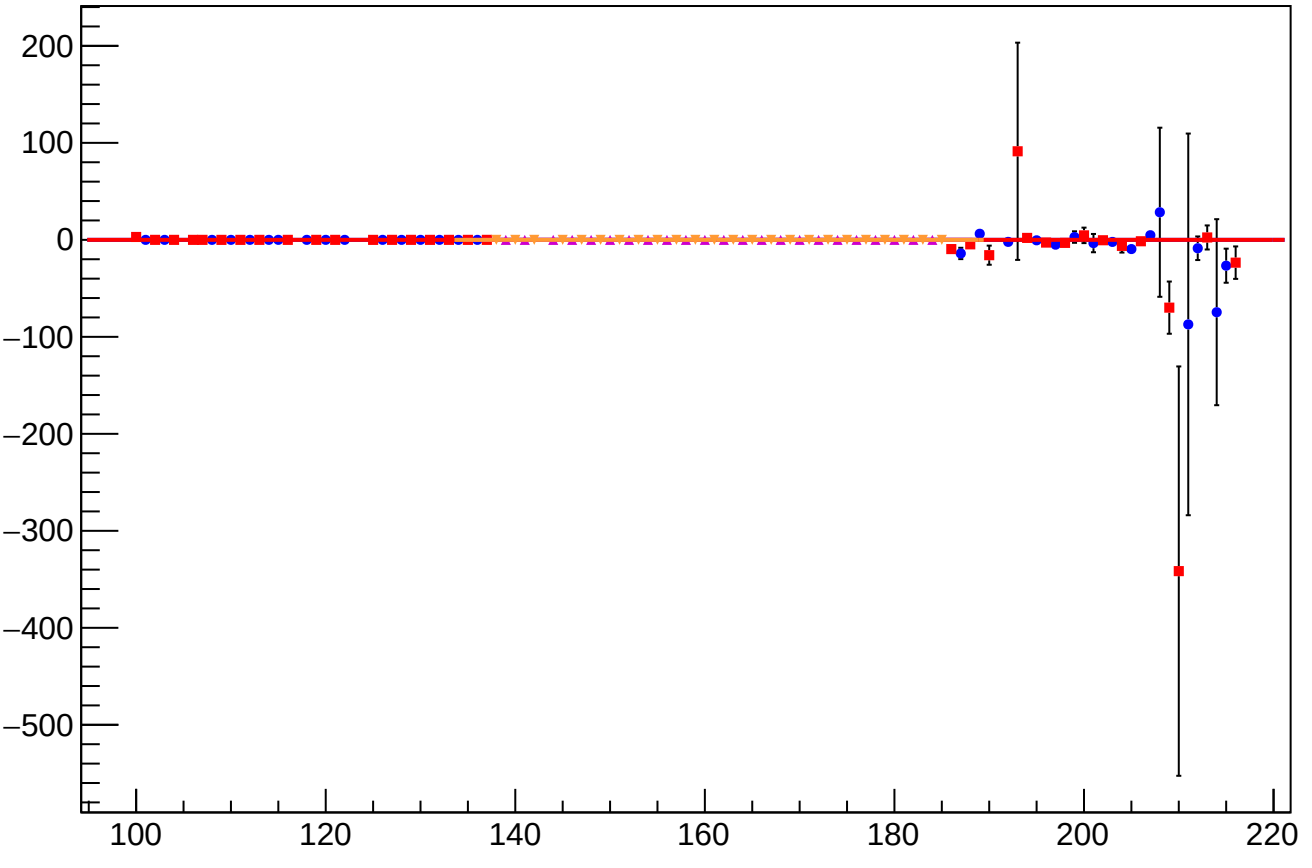
Left: 0.014+/-0.011 χ^2/NDF: 83.9/46

Right: -0.027+/-0.020 χ^2/NDF: 92.3/63

In: 0.002+/-0.014 χ^2/NDF:93.8/53

Out: 0.005+/-0.014 χ^2/NDF:85.6/56

All: 0.004+/-0.010 χ^2/NDF: 179.5/110



Right In: -0.006+/-0.001 χ^2/NDF: 61.3/30

Left Out: -0.008+/-0.001 χ^2/NDF:32.0/23

Right Out: -0.006+/-0.001 χ^2/NDF: 226.2/32

Left In: -0.009+/-0.001 χ^2/NDF:37.2/22

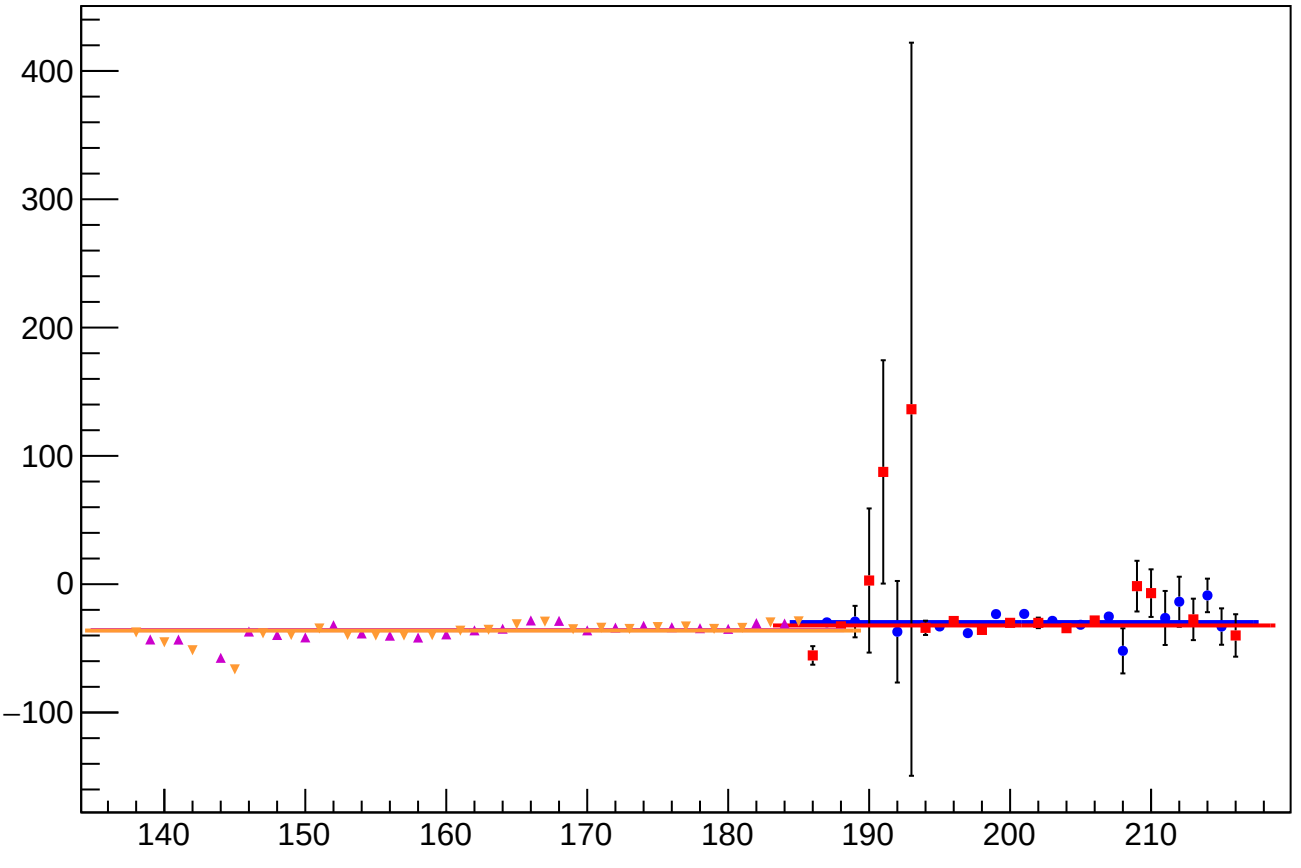
Left: -0.008+/-0.001 χ^2/NDF: 69.4/46

Right: -0.006+/-0.001 χ^2/NDF: 287.6/63

In: -0.008+/-0.001 χ^2/NDF:101.1/53

Out: -0.008+/-0.001 χ^2/NDF:260.3/56

All: -0.008+/-0.000 χ^2/NDF: 361.6/110



Right In: -29.516+/-0.853 χ^2/NDF: 29.0/14

Left Out: -36.120+/-0.192 χ^2/NDF:1114.9/23

Right Out: -32.161+/-0.805 χ^2/NDF: 25.3/15

Left In: -35.779+/-0.191 χ^2/NDF:854.1/22

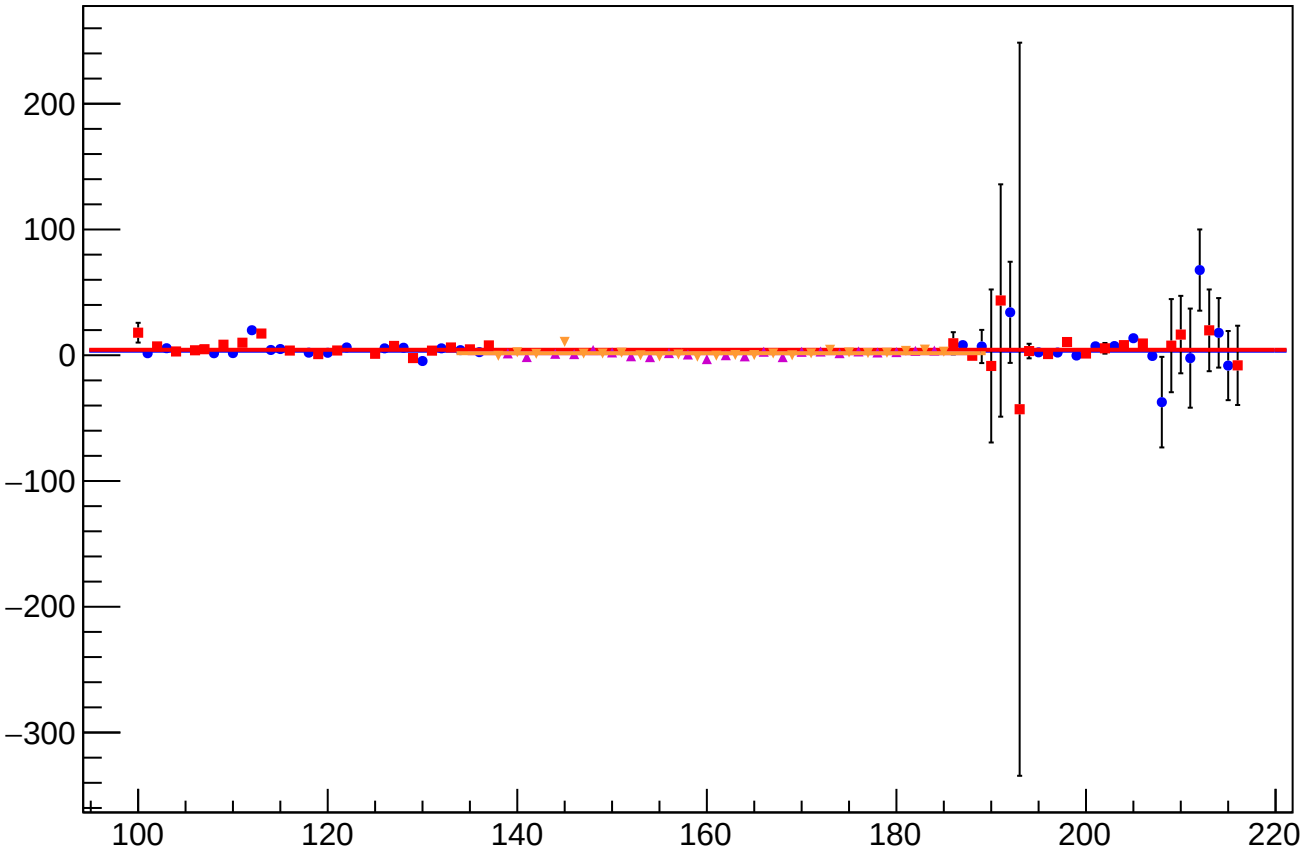
Left: -35.949+/-0.136 χ^2/NDF: 1970.6/46

Right: -30.916+/-0.586 χ^2/NDF: 59.4/30

In: -35.479+/-0.187 χ^2/NDF:934.4/37

Out: -35.907+/-0.187 χ^2/NDF:1163.1/39

All: -35.693+/-0.132 χ^2/NDF: 2100.1/77



Right In: 3.602+/-0.217 χ^2/NDF: 462.6/30

Left Out: 1.634+/-0.148 χ^2/NDF:166.5/23

Right Out: 4.349+/-0.221 χ^2/NDF: 369.5/33

Left In: 1.641+/-0.150 χ^2/NDF:163.2/22

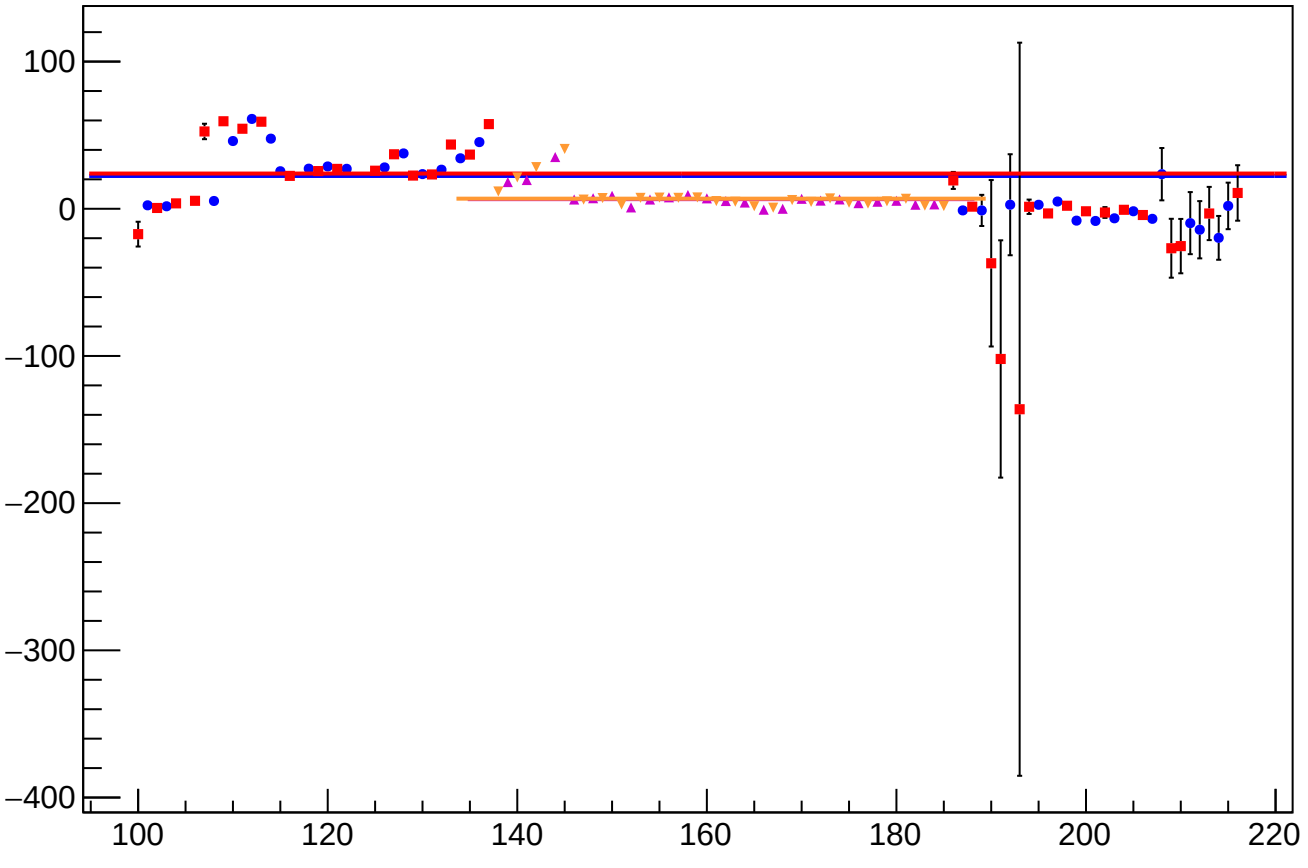
Left: 1.638+/-0.105 χ^2/NDF: 329.7/46

Right: 3.969+/-0.155 χ^2/NDF: 837.9/64

In: 2.274+/-0.123 χ^2/NDF:681.3/53

Out: 2.475+/-0.123 χ^2/NDF:640.6/57

All: 2.375+/-0.087 χ^2/NDF: 1323.3/111



Right In: 22.288+/-0.370 χ^2/NDF: 2821.6/30

Left Out: 6.866+/-0.191 χ^2/NDF:1295.7/23

Right Out: 23.930+/-0.362 χ^2/NDF: 3300.0/33

Left In: 6.537+/-0.190 χ^2/NDF:1025.1/22

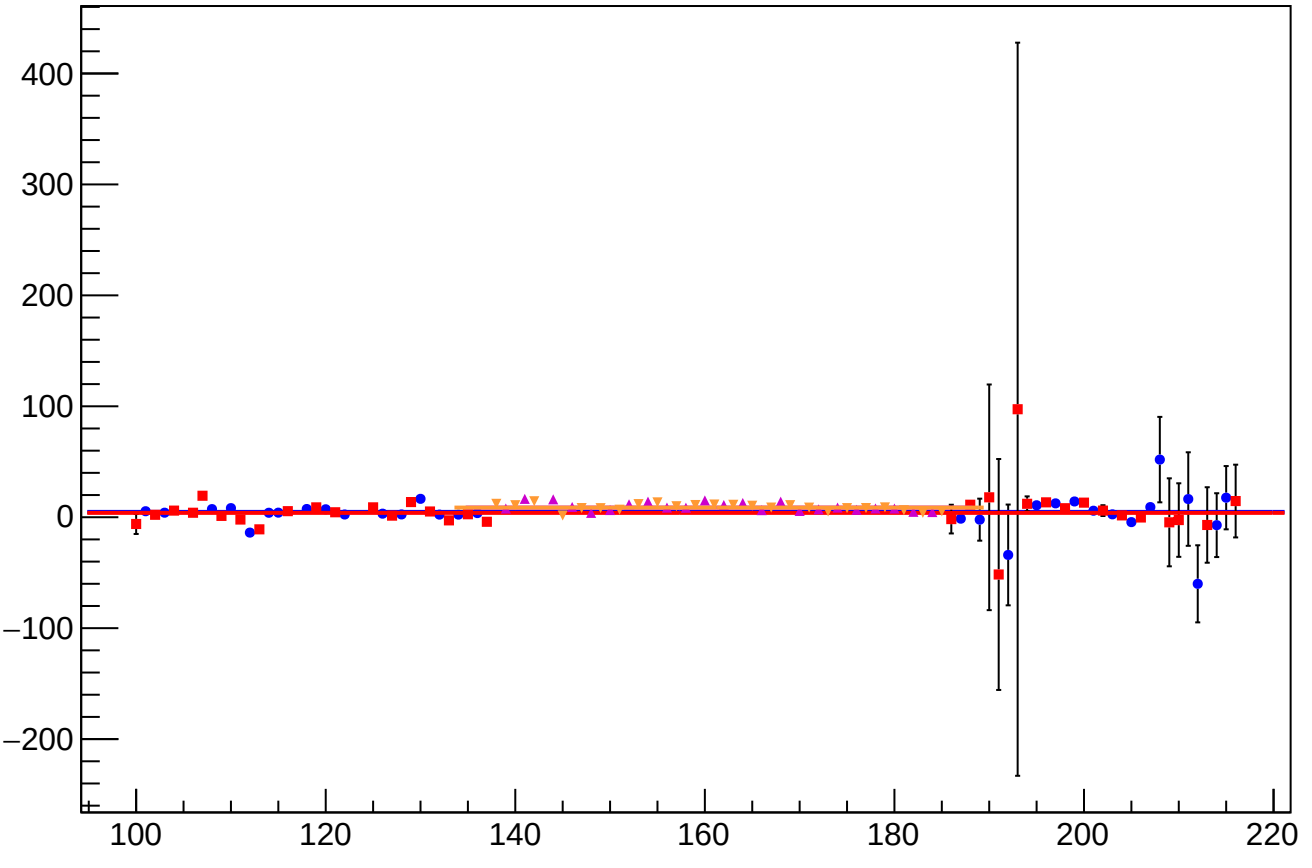
Left: 6.700+/-0.135 χ^2/NDF: 2322.3/46

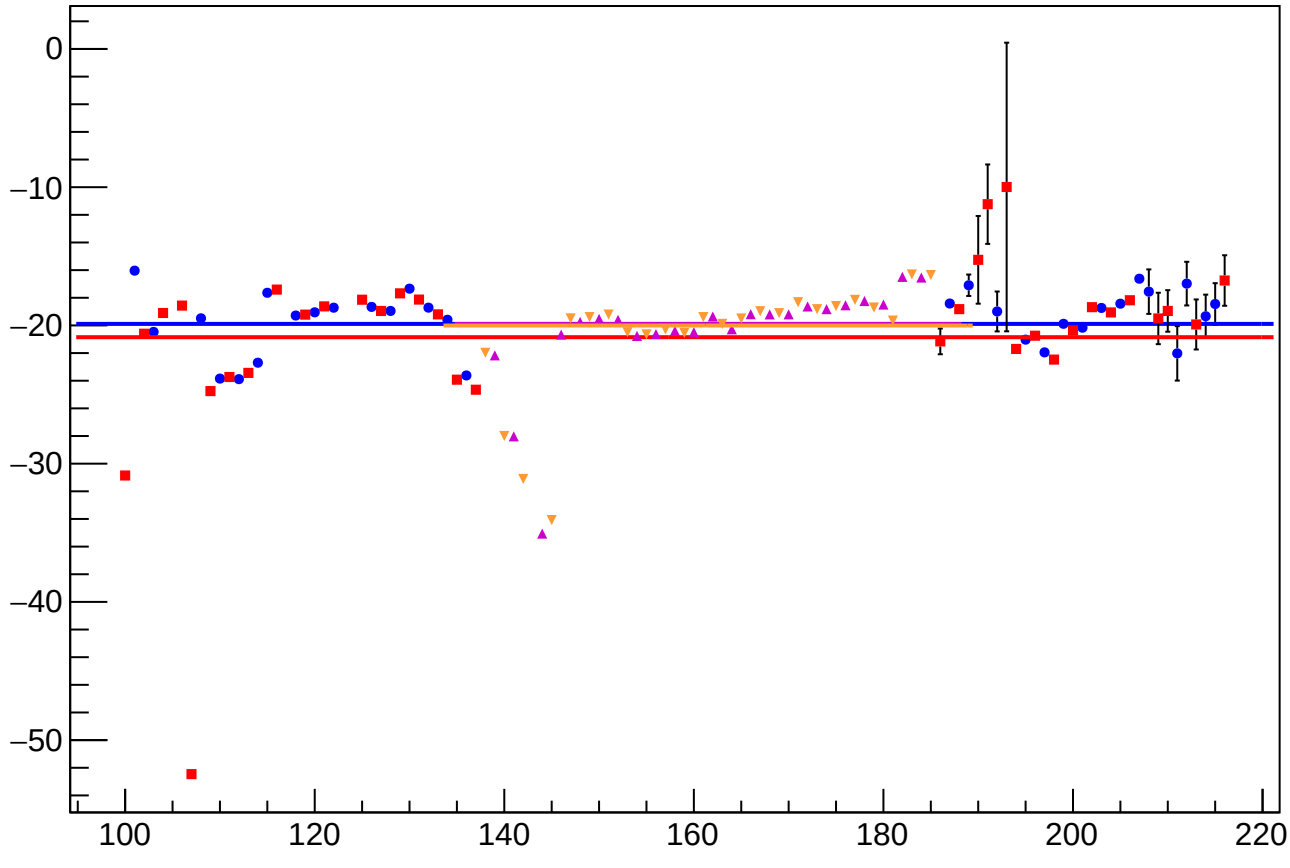
Right: 23.127+/-0.258 χ^2/NDF: 6131.7/64

In: 9.839+/-0.169 χ^2/NDF:5281.8/53

Out: 10.600+/-0.169 χ^2/NDF:6335.4/57

All: 10.220+/-0.120 χ^2/NDF: 11627.4/111


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: 4.804+/-0.250 χ²/NDF: 576.6/30
Left Out: 8.695+/-0.169 χ²/NDF:241.0/23
Right Out: 3.937+/-0.254 χ²/NDF: 589.4/33
Left In: 8.668+/-0.170 χ²/NDF:436.7/22
Left: 8.681+/-0.120 χ²/NDF: 677.7/46
Right: 4.378+/-0.178 χ²/NDF: 1171.9/64
In: 7.445+/-0.141 χ²/NDF:1176.6/53
Out: 7.237+/-0.141 χ²/NDF:1073.2/57
All: 7.341+/-0.099 χ²/NDF: 2250.9/111



Right In: -19.889+/-0.015 χ^2/NDF: 27148.7/30

Left Out: -20.006+/-0.008 χ^2/NDF:171763.9/23

Right Out: -20.851+/-0.015 χ^2/NDF: 95245.6/33

Left In: -19.898+/-0.008 χ^2/NDF:144191.9/22

Left: -19.951+/-0.006 χ^2/NDF: 316049.4/46

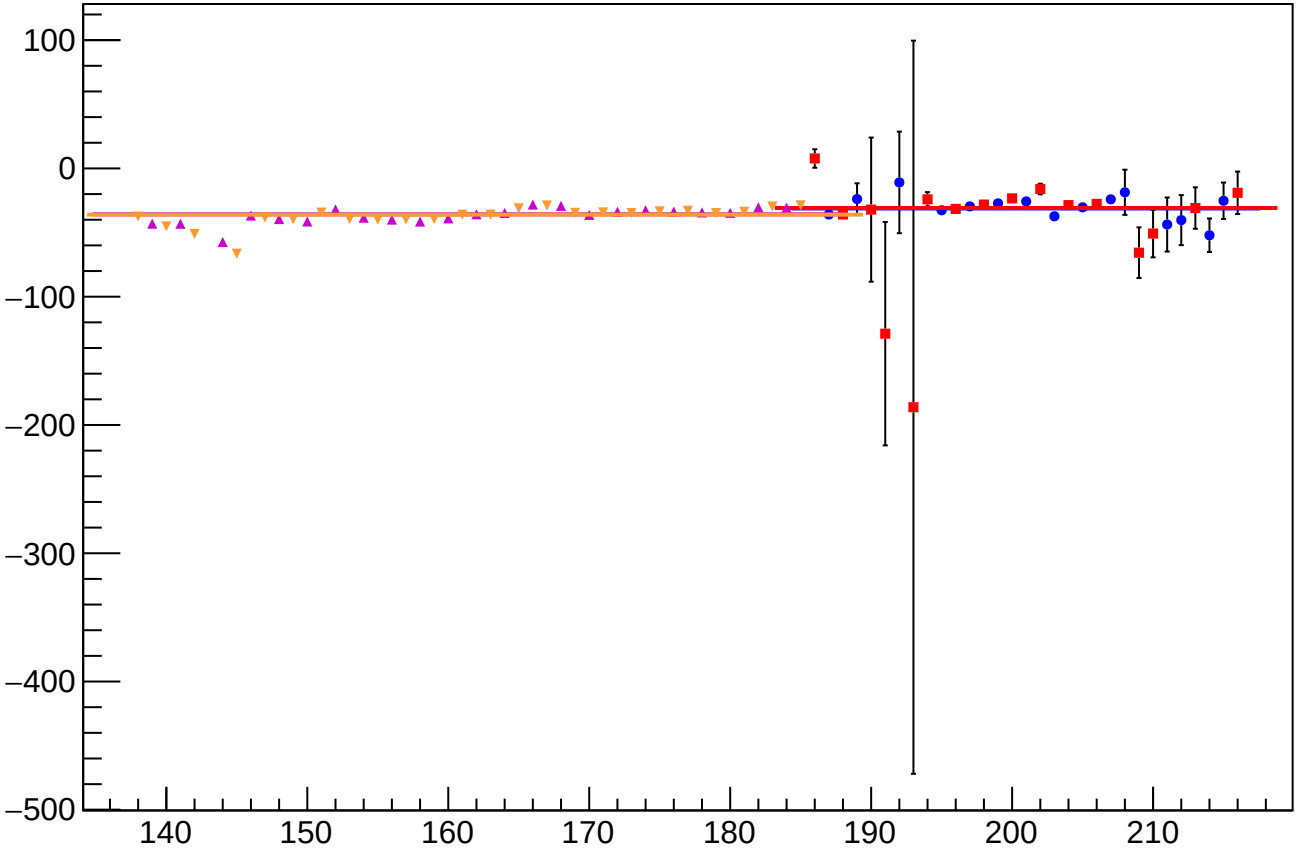
Right: -20.367+/-0.011 χ^2/NDF: 124483.2/64

In: -19.896+/-0.007 χ^2/NDF:171340.9/53

Out: -20.190+/-0.007 χ^2/NDF:269515.9/57

All: -20.042+/-0.005 χ^2/NDF: 441751.5/111

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -31.198+/-0.856 χ^2/NDF: 31.3/14

Left Out: -36.031+/-0.192 χ^2/NDF:1121.3/23

Right Out: -30.824+/-0.807 χ^2/NDF: 76.7/15

Left In: -35.766+/-0.191 χ^2/NDF:842.6/22

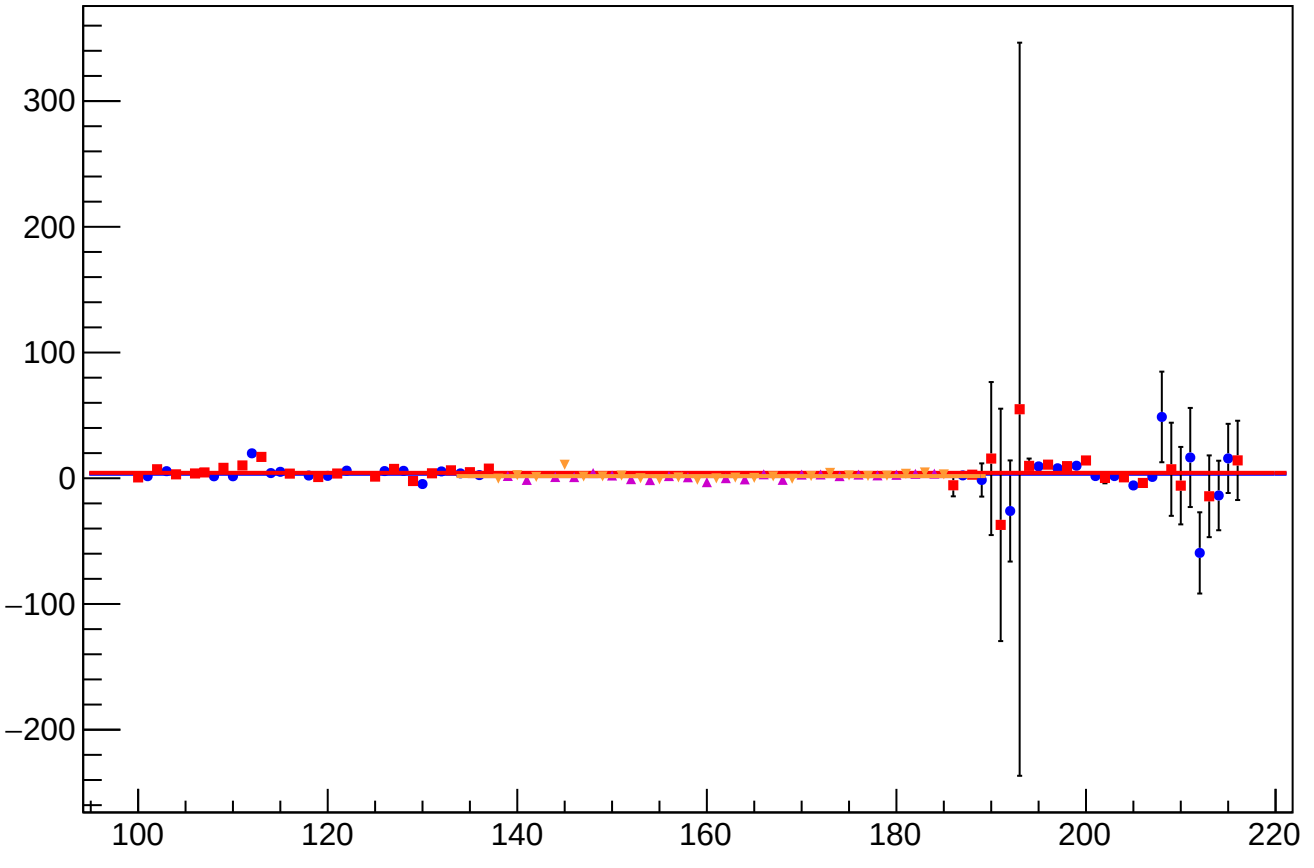
Left: -35.898+/-0.135 χ^2/NDF: 1964.8/46

Right: -31.000+/-0.587 χ^2/NDF: 108.2/30

In: -35.549+/-0.187 χ^2/NDF:901.1/37

Out: -35.752+/-0.187 χ^2/NDF:1237.4/39

All: -35.651+/-0.132 χ^2/NDF: 2139.0/77



Right In: 3.567+/-0.217 χ^2/NDF: 462.1/30

Left Out: 1.724+/-0.148 χ^2/NDF:168.2/23

Right Out: 4.320+/-0.217 χ^2/NDF: 378.8/33

Left In: 1.705+/-0.149 χ^2/NDF:163.0/22

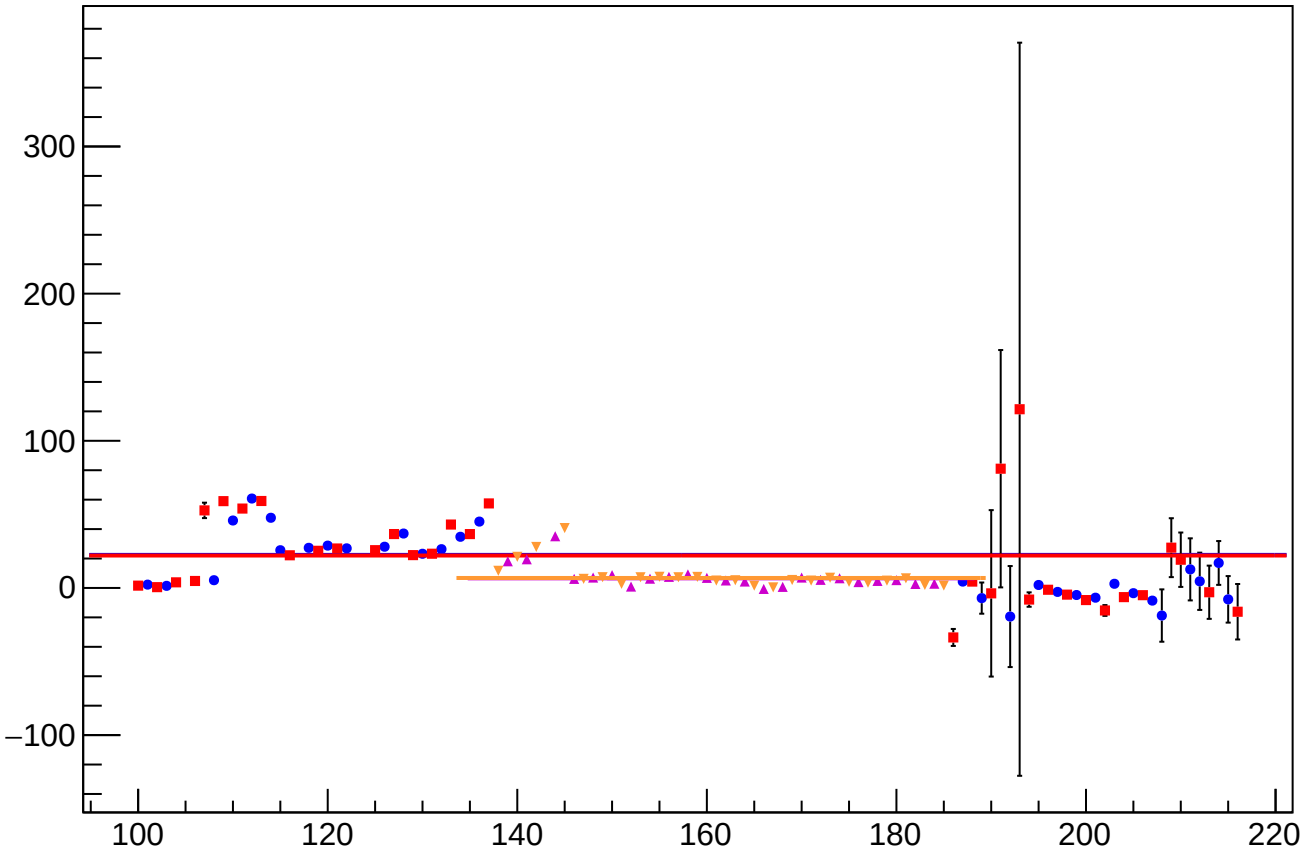
Left: 1.714+/-0.105 χ^2/NDF: 331.1/46

Right: 3.943+/-0.153 χ^2/NDF: 846.9/64

In: 2.305+/-0.123 χ^2/NDF:675.1/53

Out: 2.546+/-0.122 χ^2/NDF:644.8/57

All: 2.426+/-0.087 χ^2/NDF: 1321.8/111



Right In: 22.464+/-0.370 χ^2/NDF: 2704.5/30

Left Out: 6.779+/-0.191 χ^2/NDF:1297.7/23

Right Out: 22.041+/-0.349 χ^2/NDF: 3665.3/33

Left In: 6.532+/-0.190 χ^2/NDF:1018.2/22

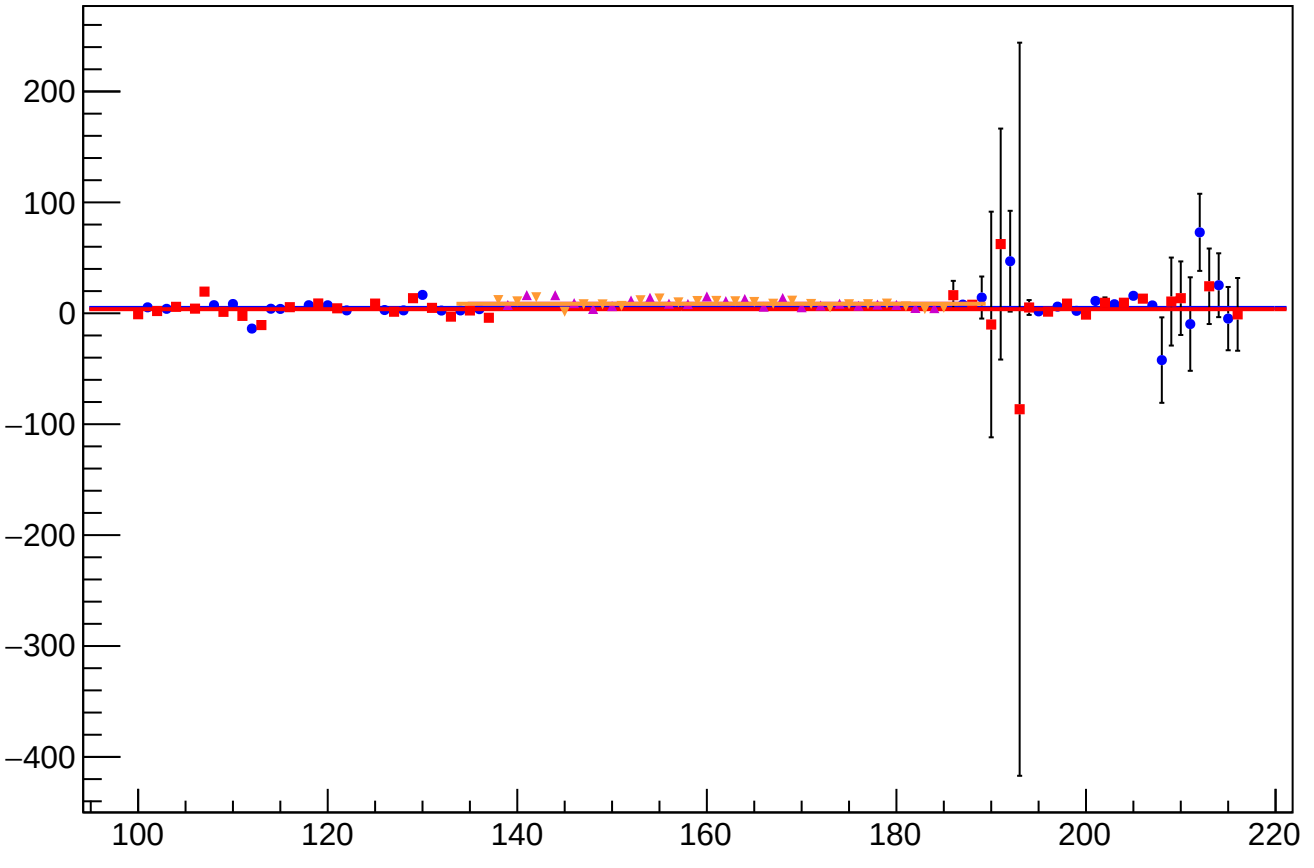
Left: 6.655+/-0.135 χ^2/NDF: 2316.7/46

Right: 22.240+/-0.254 χ^2/NDF: 6370.5/64

In: 9.868+/-0.169 χ^2/NDF:5190.8/53

Out: 10.307+/-0.168 χ^2/NDF:6434.6/57

All: 10.090+/-0.119 χ^2/NDF: 11628.8/111



Right In: 4.849+/-0.250 χ^2/NDF: 565.0/30

Left Out: 8.585+/-0.169 χ^2/NDF:245.5/23

Right Out: 3.699+/-0.250 χ^2/NDF: 589.4/33

Left In: 8.585+/-0.170 χ^2/NDF:441.8/22

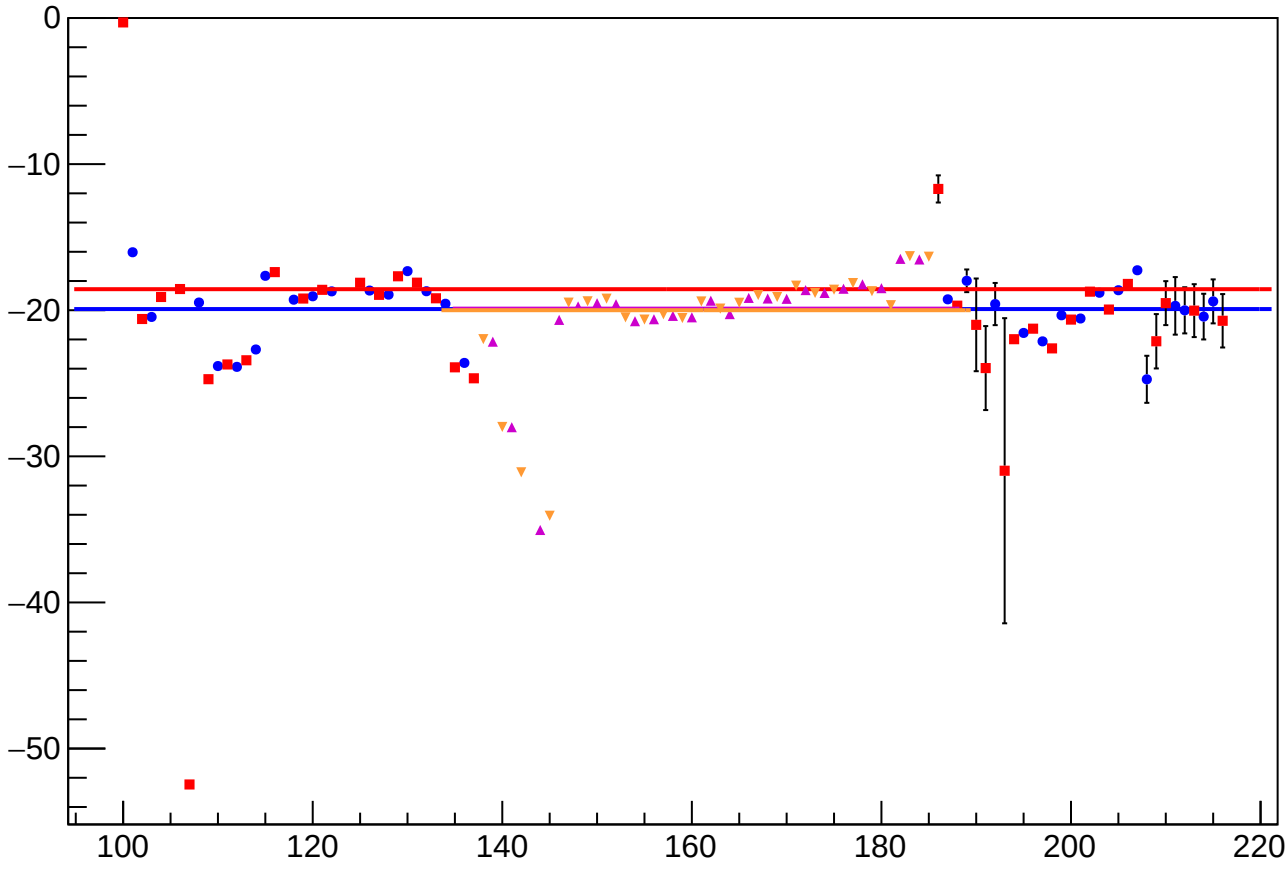
Left: 8.585+/-0.120 χ^2/NDF: 687.3/46

Right: 4.275+/-0.177 χ^2/NDF: 1165.0/64

In: 7.402+/-0.141 χ^2/NDF:1159.6/53

Out: 7.055+/-0.140 χ^2/NDF:1097.0/57

All: 7.228+/-0.099 χ^2/NDF: 2259.7/111



Right In: -19.920+/-0.015 χ^2/NDF: 27097.4/30

Left Out: -19.998+/-0.008 χ^2/NDF:171944.6/23

Right Out: -18.560+/-0.014 χ^2/NDF: 303730.2/33

Left In: -19.890+/-0.008 χ^2/NDF:144055.2/22

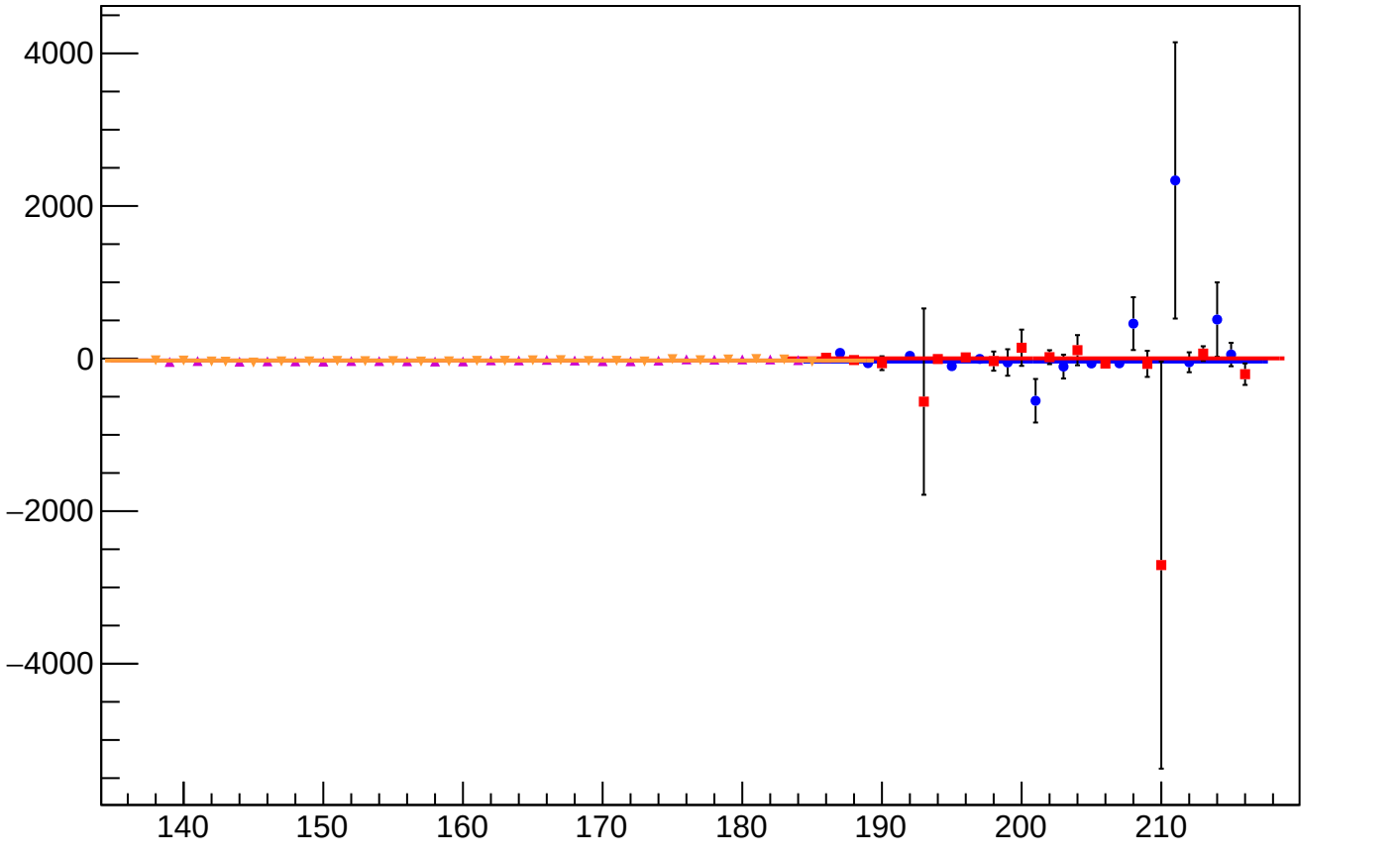
Left: -19.944+/-0.006 χ^2/NDF: 316093.4/46

Right: -19.205+/-0.010 χ^2/NDF: 335247.3/64

In: -19.897+/-0.007 χ^2/NDF:171155.7/53

Out: -19.655+/-0.007 χ^2/NDF:483604.3/57

All: -19.775+/-0.005 χ^2/NDF: 655373.7/111



Right In: -38.919+/-12.934 χ^2/NDF: 21.4/14

Left Out: -25.884+/-0.192 χ^2/NDF:4158.0/24

Right Out: 2.529+/-8.069 χ^2/NDF: 9.4/14

Left In: -26.052+/-0.195 χ^2/NDF:3279.5/22

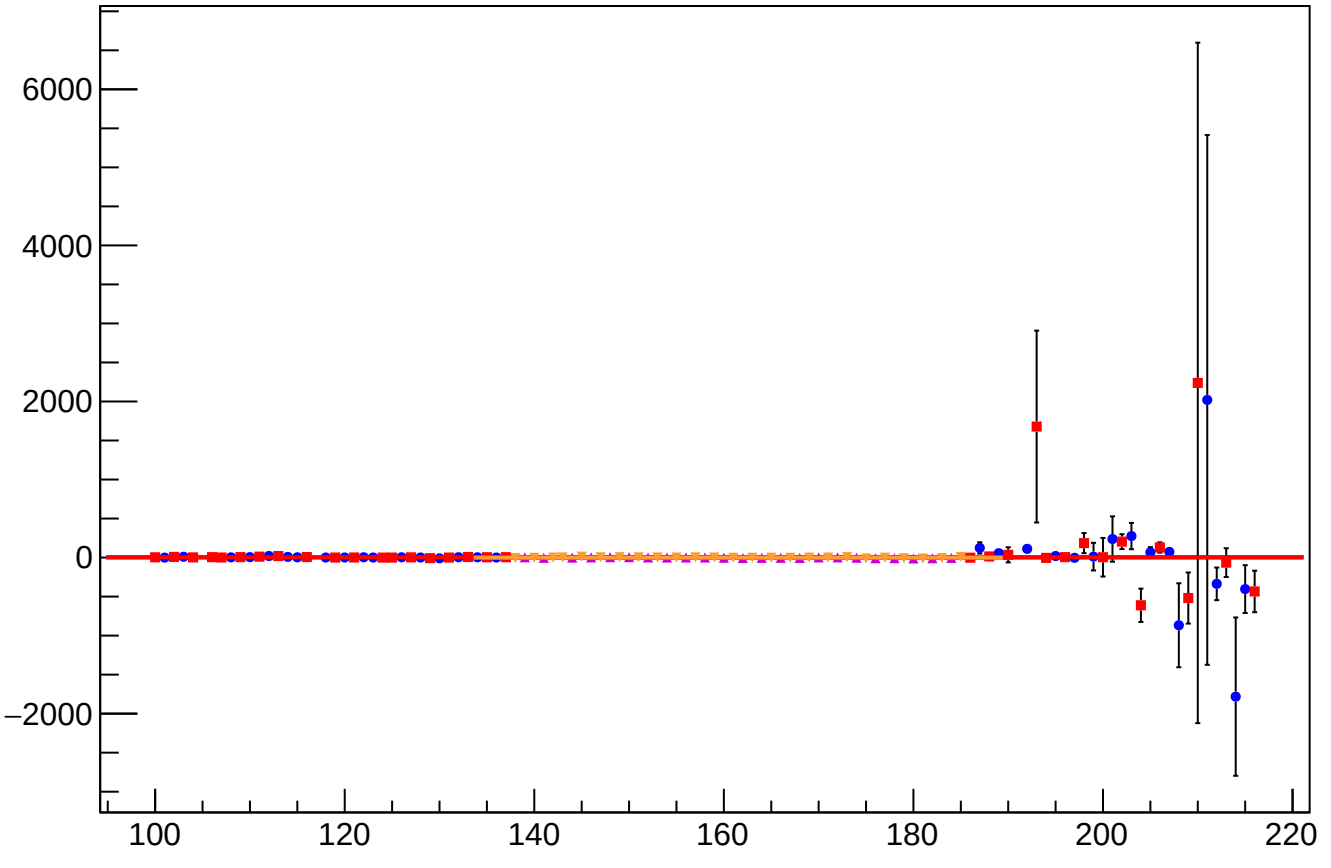
Left: -25.967+/-0.137 χ^2/NDF: 7437.8/47

Right: -9.083+/-6.846 χ^2/NDF: 38.2/29

In: -26.055+/-0.195 χ^2/NDF:3301.9/37

Out: -25.868+/-0.192 χ^2/NDF:4179.8/39

All: -25.960+/-0.137 χ^2/NDF: 7482.1/77



Right In: 2.475+/-0.315 χ^2/NDF: 324.1/31

Left Out: -0.654+/-0.146 χ^2/NDF:1320.8/24

Right Out: 3.714+/-0.327 χ^2/NDF: 295.4/33

Left In: -0.863+/-0.150 χ^2/NDF:1066.5/22

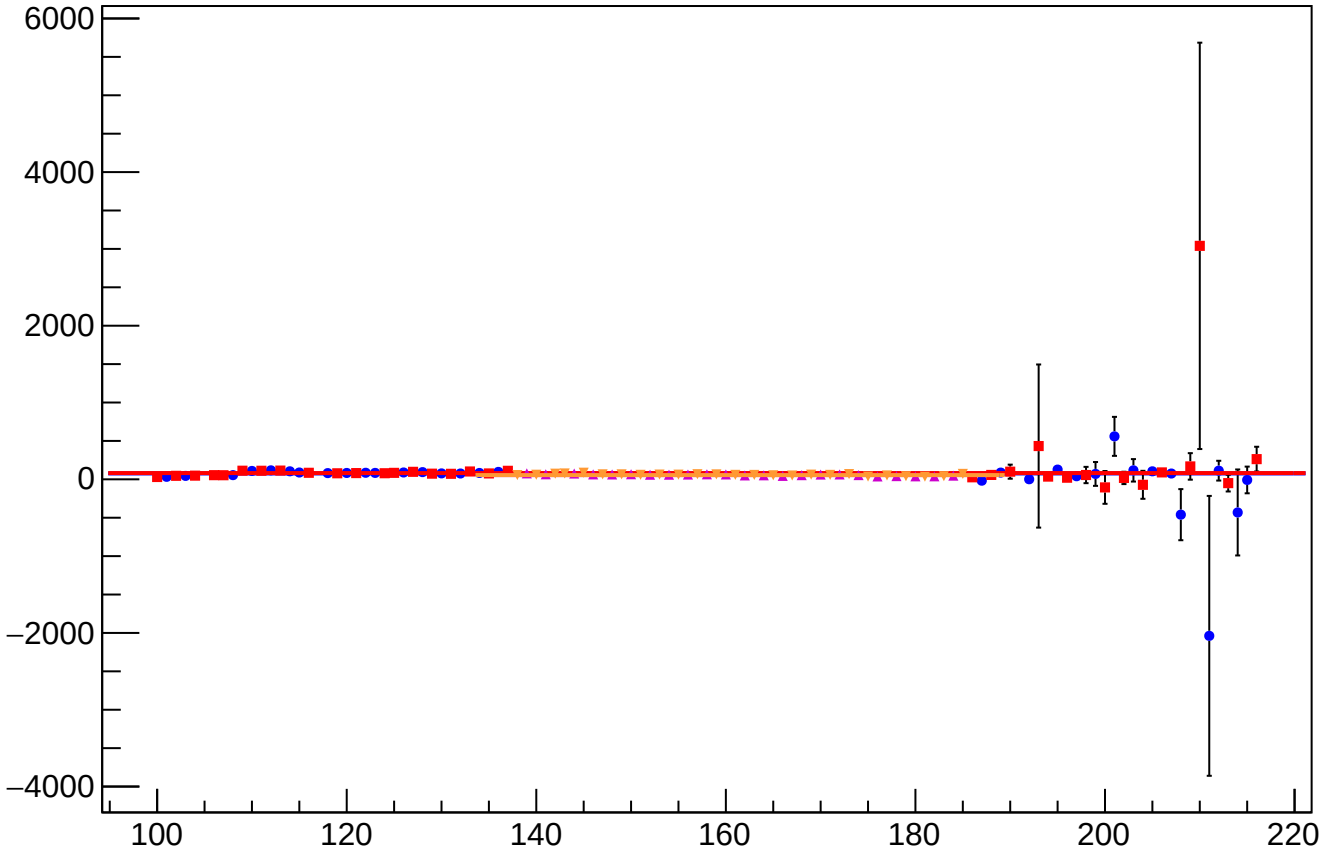
Left: -0.756+/-0.105 χ^2/NDF: 2388.3/47

Right: 3.072+/-0.227 χ^2/NDF: 626.9/65

In: -0.242+/-0.136 χ^2/NDF:1482.1/54

Out: 0.075+/-0.133 χ^2/NDF:1765.3/58

All: -0.081+/-0.095 χ^2/NDF: 3250.2/113



Right In: 76.531+/-0.576 χ^2/NDF: 2274.4/31

Left Out: 55.098+/-0.191 χ^2/NDF:4579.3/24

Right Out: 81.490+/-0.590 χ^2/NDF: 1636.9/33

Left In: 55.070+/-0.193 χ^2/NDF:3702.8/22

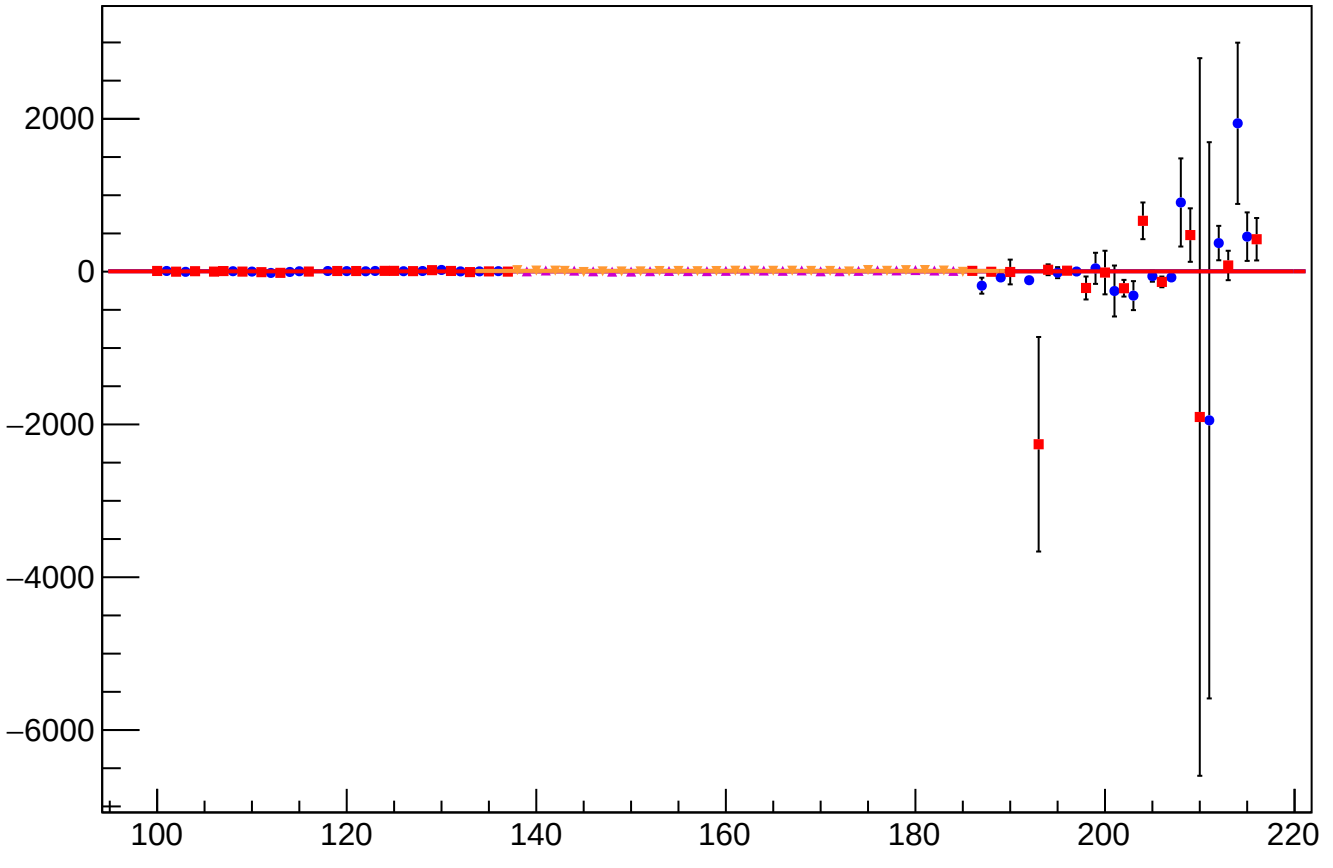
Left: 55.084+/-0.136 χ^2/NDF: 8282.1/47

Right: 78.949+/-0.412 χ^2/NDF: 3947.4/65

In: 57.244+/-0.183 χ^2/NDF:7224.0/54

Out: 57.609+/-0.182 χ^2/NDF:8023.8/58

All: 57.428+/-0.129 χ^2/NDF: 15249.8/113



Right In: 5.408+/-0.361 χ^2/NDF: 415.5/31

Left Out: 9.737+/-0.168 χ^2/NDF:1450.2/24

Right Out: 3.581+/-0.375 χ^2/NDF: 446.6/33

Left In: 9.803+/-0.172 χ^2/NDF:1158.7/22

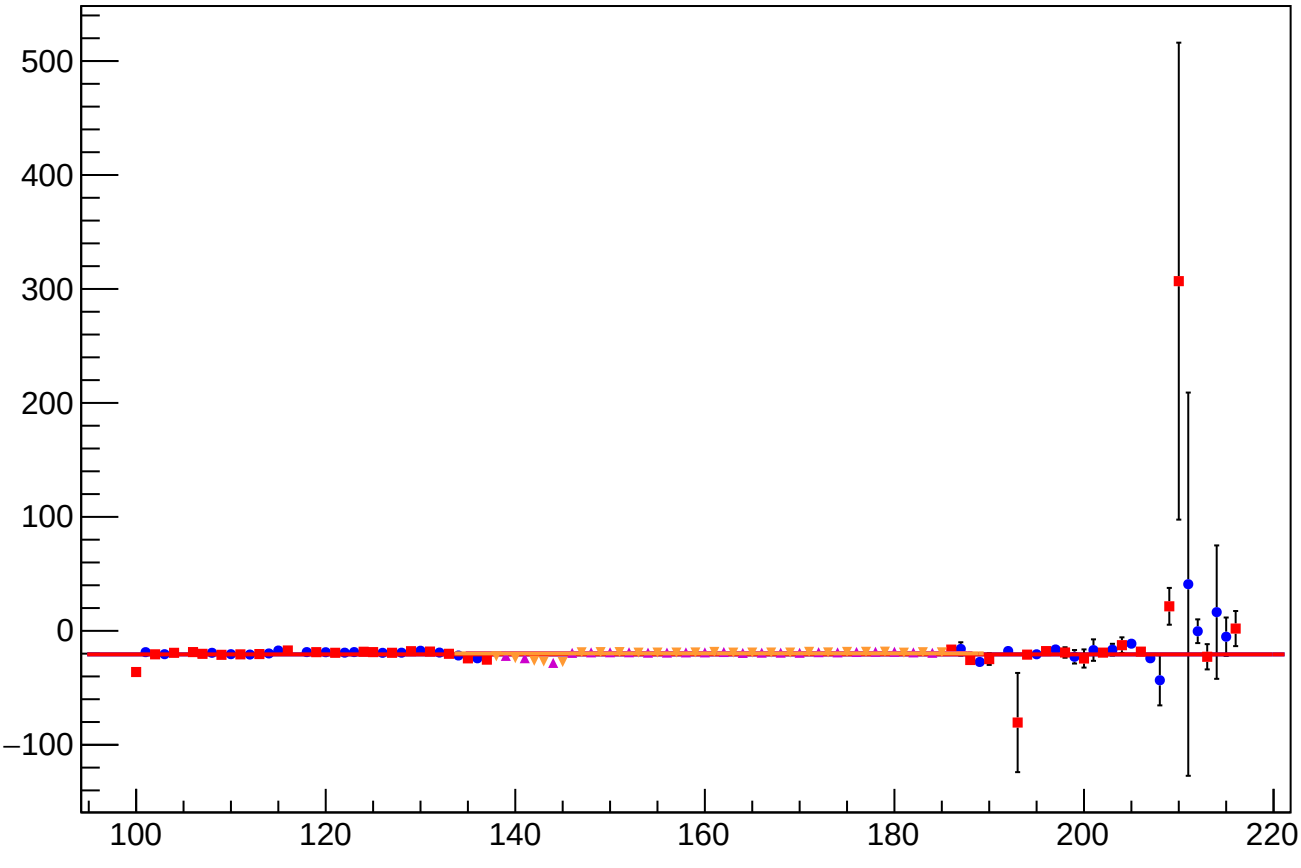
Left: 9.769+/-0.120 χ^2/NDF: 2609.0/47

Right: 4.531+/-0.260 χ^2/NDF: 874.4/65

In: 8.992+/-0.155 χ^2/NDF:1695.2/54

Out: 8.712+/-0.153 χ^2/NDF:2120.9/58

All: 8.851+/-0.109 χ^2/NDF: 3817.8/113



Right In: -20.644+/-0.019 χ^2/NDF: 12460.3/31

Left Out: -19.767+/-0.008 χ^2/NDF:91617.3/24

Right Out: -20.638+/-0.019 χ^2/NDF: 13821.3/33

Left In: -19.435+/-0.008 χ^2/NDF:53170.9/22

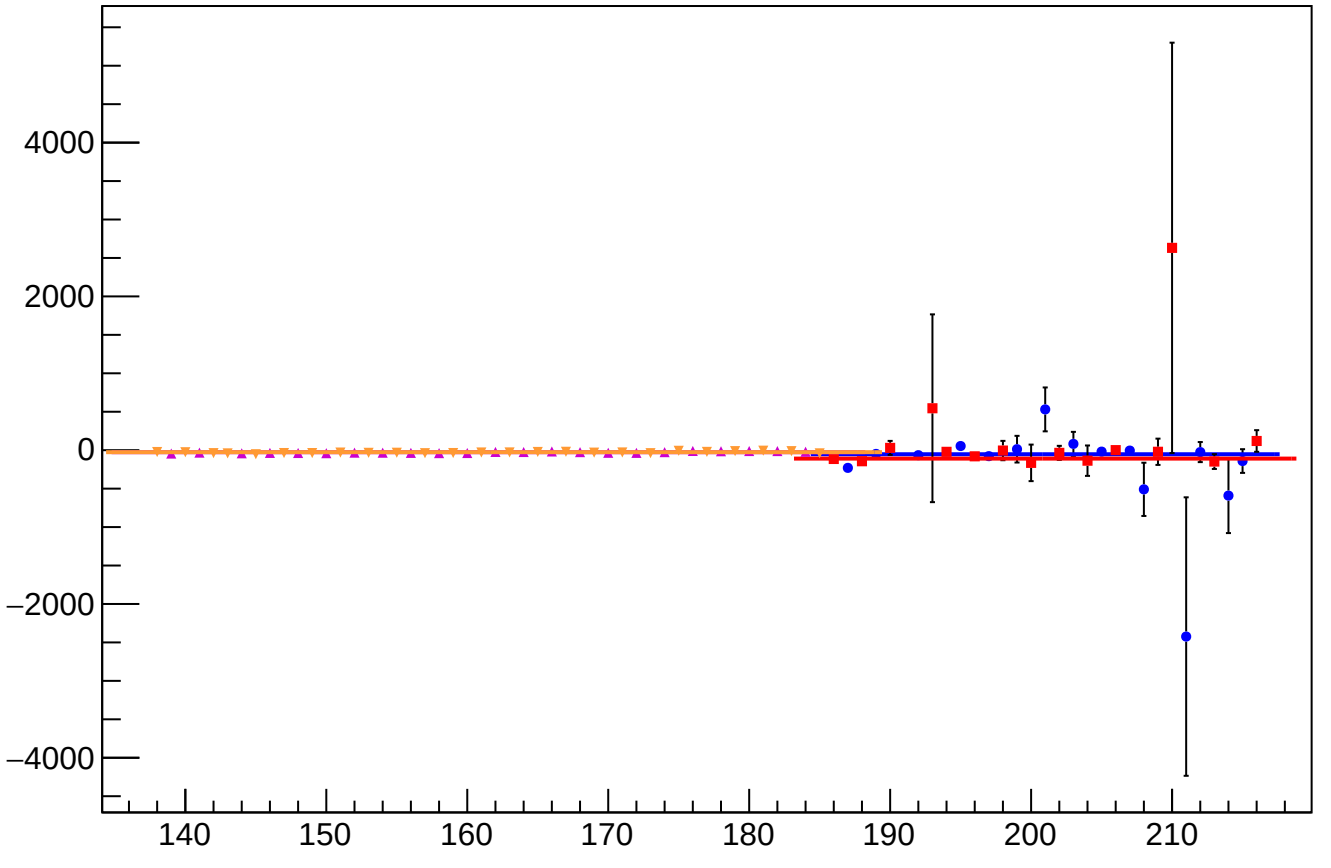
Left: -19.603+/-0.006 χ^2/NDF: 145665.0/47

Right: -20.641+/-0.014 χ^2/NDF: 26281.6/65

In: -19.610+/-0.007 χ^2/NDF:68968.4/54

Out: -19.890+/-0.007 χ^2/NDF:107160.7/58

All: -19.751+/-0.005 χ^2/NDF: 176857.6/113



Right In: -52.850+/-12.944 χ^2/NDF: 32.6/14

Left Out: -25.899+/-0.192 χ^2/NDF:4127.5/24

Right Out: -109.312+/-8.075 χ^2/NDF: 19.7/14

Left In: -26.046+/-0.195 χ^2/NDF:3246.7/22

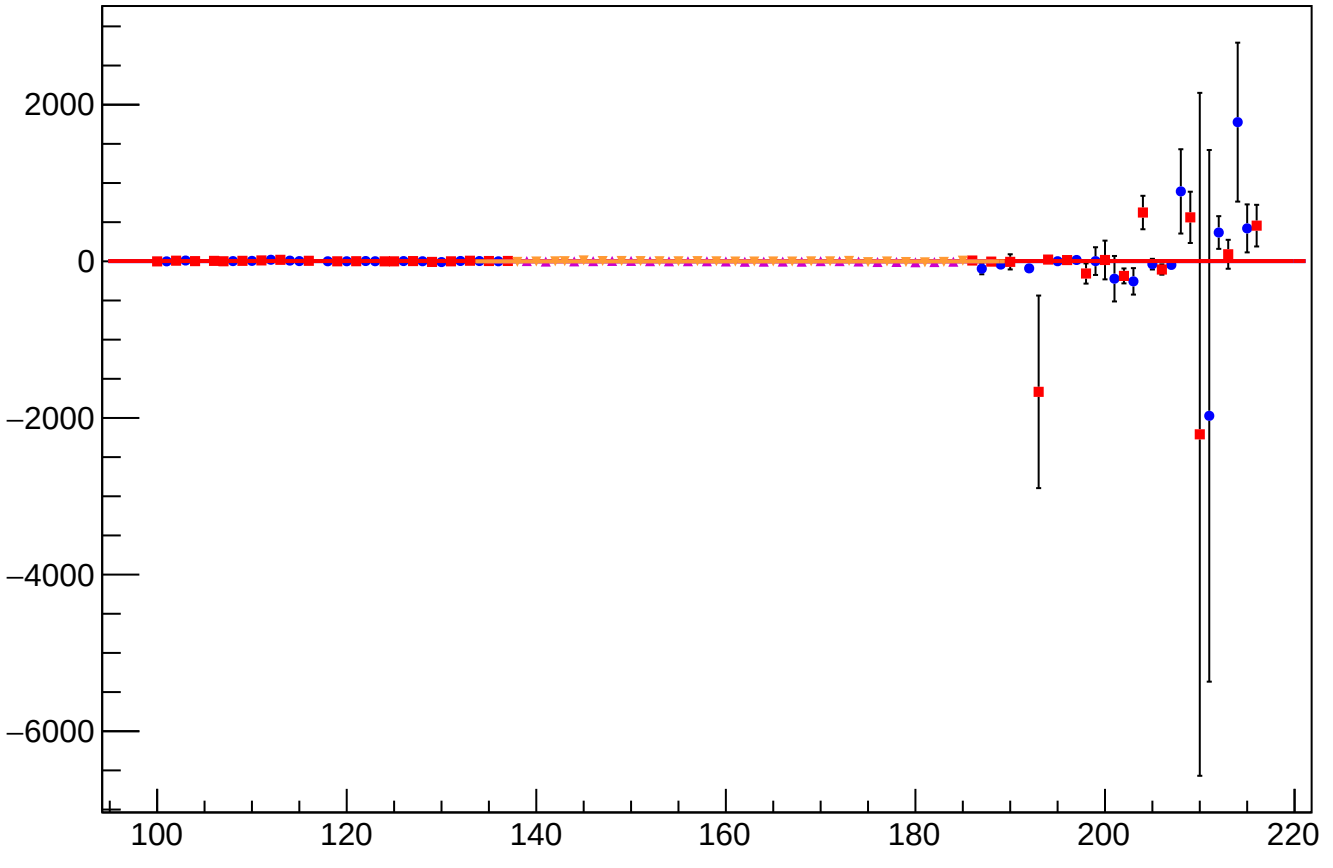
Left: -25.971+/-0.137 χ^2/NDF: 7374.6/47

Right: -93.496+/-6.851 χ^2/NDF: 66.0/29

In: -26.052+/-0.195 χ^2/NDF:3283.6/37

Out: -25.946+/-0.192 χ^2/NDF:4253.9/39

All: -25.998+/-0.137 χ^2/NDF: 7537.7/77



Right In: 2.440+/-0.315 χ^2/NDF: 316.5/31

Left Out: -0.596+/-0.146 χ^2/NDF:1310.7/24

Right Out: 3.594+/-0.318 χ^2/NDF: 305.3/33

Left In: -0.795+/-0.151 χ^2/NDF:1106.3/22

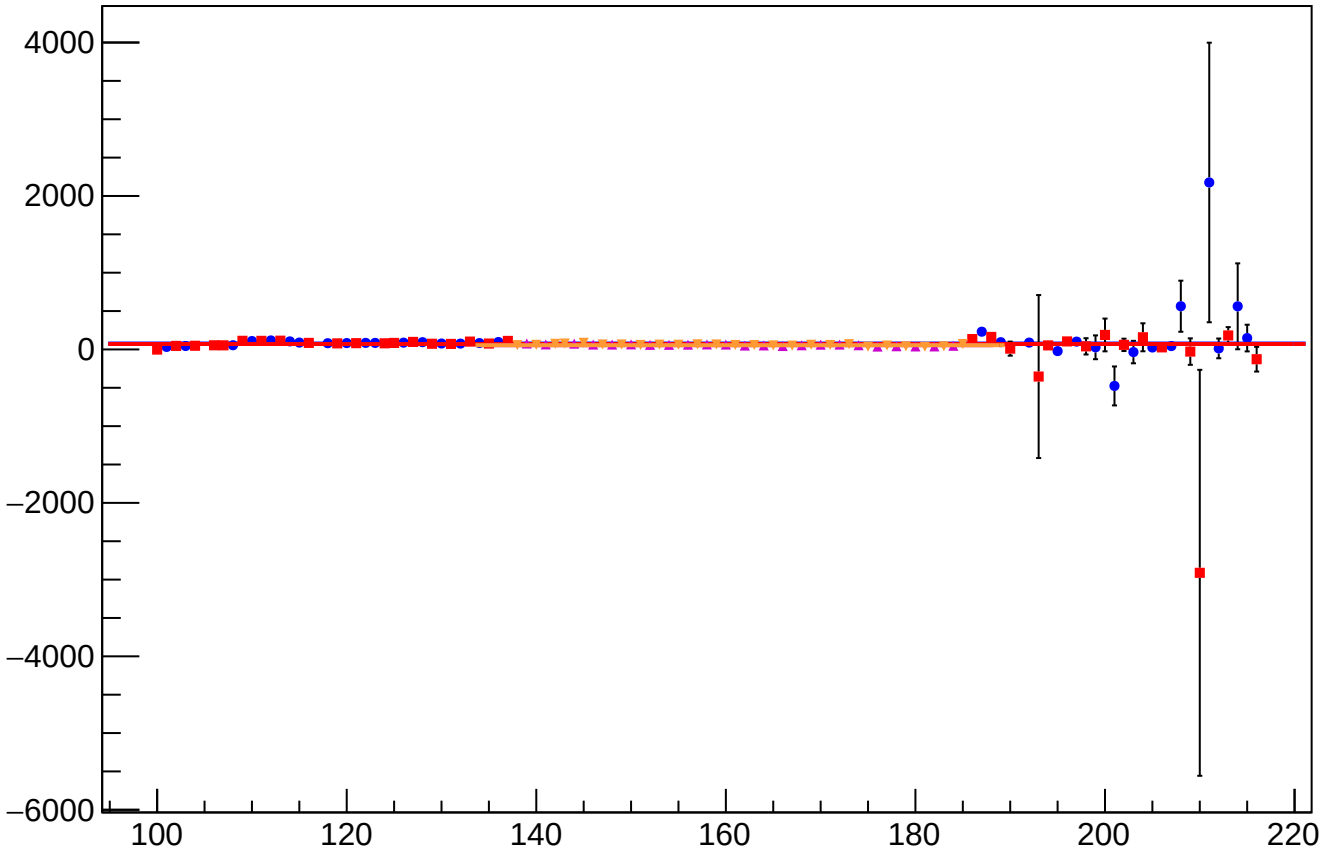
Left: -0.693+/-0.105 χ^2/NDF: 2417.9/47

Right: 3.011+/-0.224 χ^2/NDF: 628.5/65

In: -0.193+/-0.136 χ^2/NDF:1508.7/54

Out: 0.136+/-0.133 χ^2/NDF:1759.4/58

All: -0.025+/-0.095 χ^2/NDF: 3271.1/113



Right In: 76.710+/-0.576 χ^2/NDF: 2300.9/31

Left Out: 55.111+/-0.192 χ^2/NDF:4560.2/24

Right Out: 70.748+/-0.549 χ^2/NDF: 4496.6/33

Left In: 55.094+/-0.194 χ^2/NDF:3664.6/22

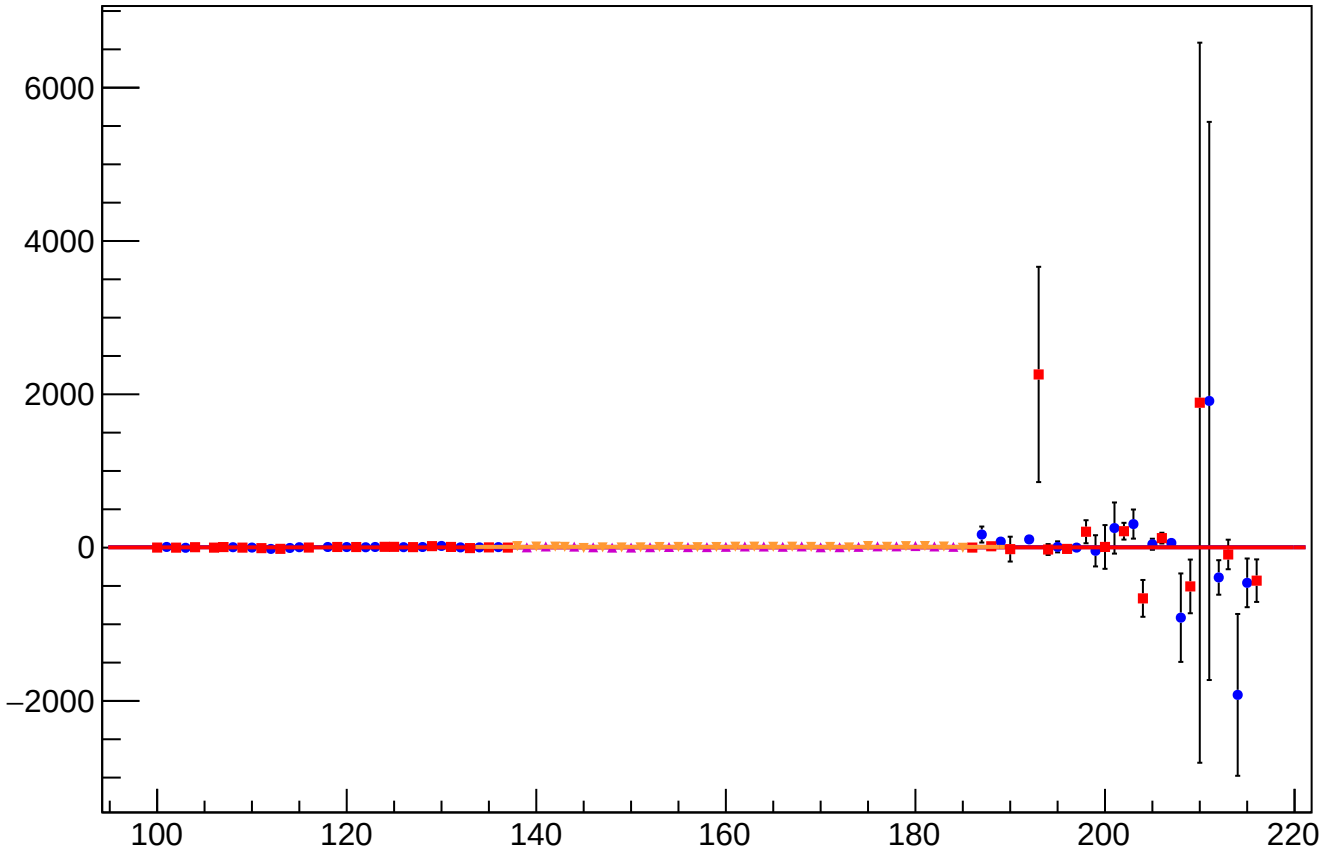
Left: 55.103+/-0.136 χ^2/NDF: 8224.8/47

Right: 73.581+/-0.397 χ^2/NDF: 6853.6/65

In: 57.285+/-0.184 χ^2/NDF:7229.0/54

Out: 56.811+/-0.181 χ^2/NDF:9780.9/58

All: 57.044+/-0.129 χ^2/NDF: 17013.3/113



Right In: 5.444+/-0.361 χ^2/NDF: 409.6/31

Left Out: 9.675+/-0.168 χ^2/NDF:1441.3/24

Right Out: 3.282+/-0.365 χ^2/NDF: 449.2/33

Left In: 9.738+/-0.172 χ^2/NDF:1191.1/22

Left: 9.706+/-0.120 χ^2/NDF: 2632.6/47

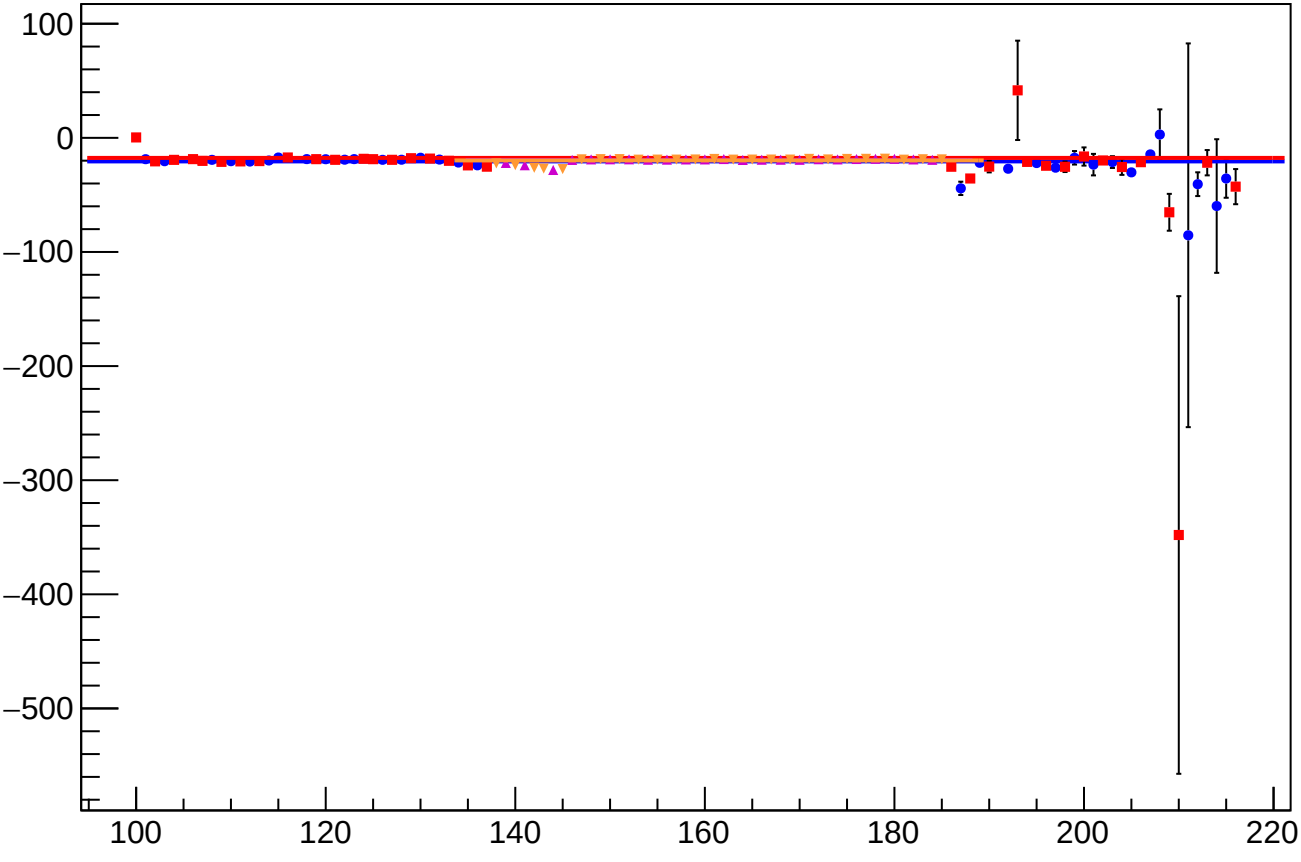
Right: 4.376+/-0.257 χ^2/NDF: 876.5/65

In: 8.945+/-0.155 χ^2/NDF:1716.1/54

Out: 8.562+/-0.153 χ^2/NDF:2143.3/58

All: 8.750+/-0.109 χ^2/NDF: 3862.5/113

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.647+/-0.019 χ^2/NDF: 12521.0/31

Left Out: -19.775+/-0.008 χ^2/NDF:91510.1/24

Right Out: -17.575+/-0.018 χ^2/NDF: 178455.6/33

Left In: -19.445+/-0.008 χ^2/NDF:53124.1/22

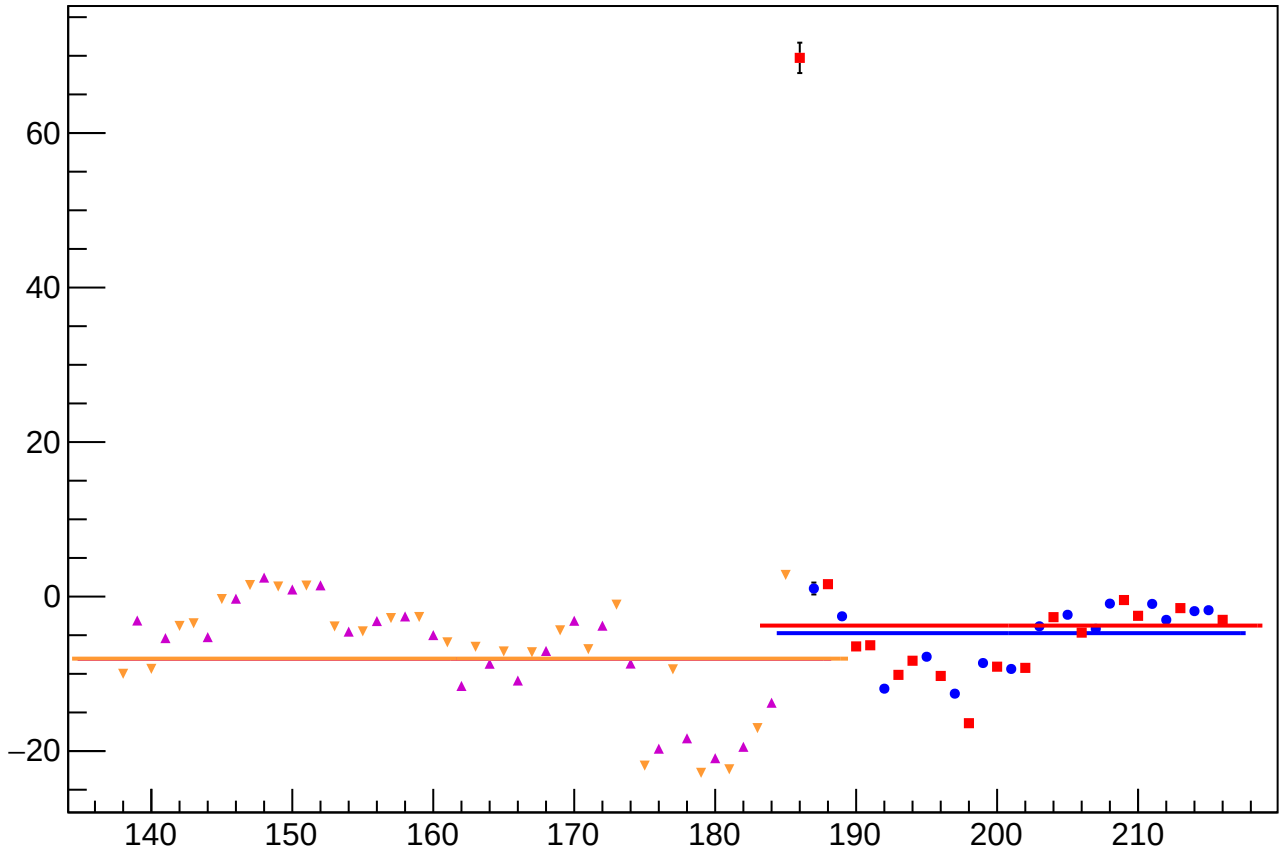
Left: -19.611+/-0.006 χ^2/NDF: 145502.5/47

Right: -19.003+/-0.013 χ^2/NDF: 204446.6/65

In: -19.618+/-0.007 χ^2/NDF:68942.9/54

Out: -19.422+/-0.007 χ^2/NDF:282442.0/58

All: -19.518+/-0.005 χ^2/NDF: 351748.0/113



Right In: -4.734+/-0.101 χ^2/NDF: 1552.1/14

Left Out: -8.034+/-0.070 χ^2/NDF:12568.0/24

Right Out: -3.754+/-0.093 χ^2/NDF: 4144.9/15

Left In: -8.078+/-0.072 χ^2/NDF:10541.6/22

Left: -8.055+/-0.050 χ^2/NDF: 23109.8/47

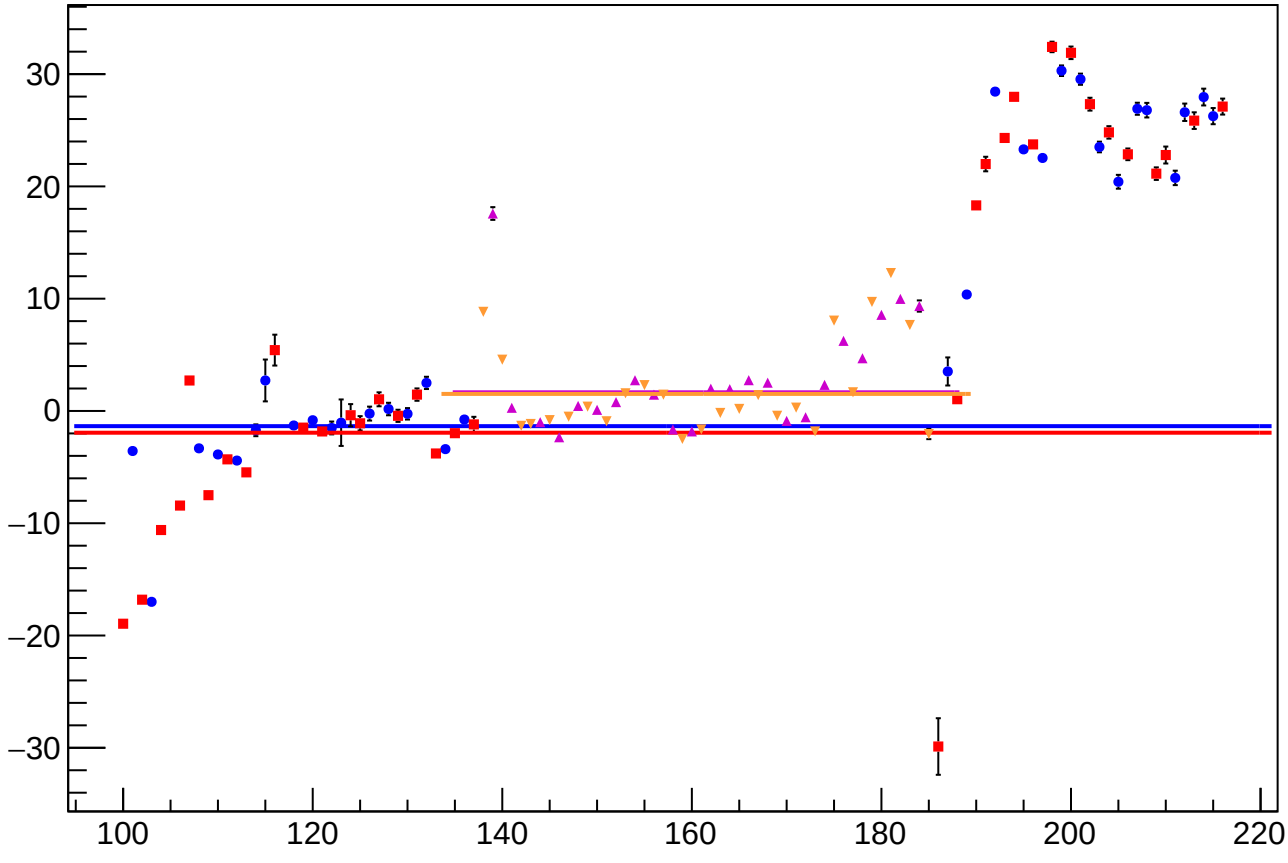
Right: -4.201+/-0.068 χ^2/NDF: 5748.1/30

In: -6.957+/-0.059 χ^2/NDF:12818.5/37

Out: -6.468+/-0.056 χ^2/NDF:18068.8/40

All: -6.701+/-0.040 χ^2/NDF: 30923.6/78

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.353+/-0.051 χ^2/NDF: 50773.4/31

Left Out: 1.518+/-0.054 χ^2/NDF:4847.5/24

Right Out: -1.937+/-0.053 χ^2/NDF: 59654.9/34

Left In: 1.662+/-0.057 χ^2/NDF:4034.2/22

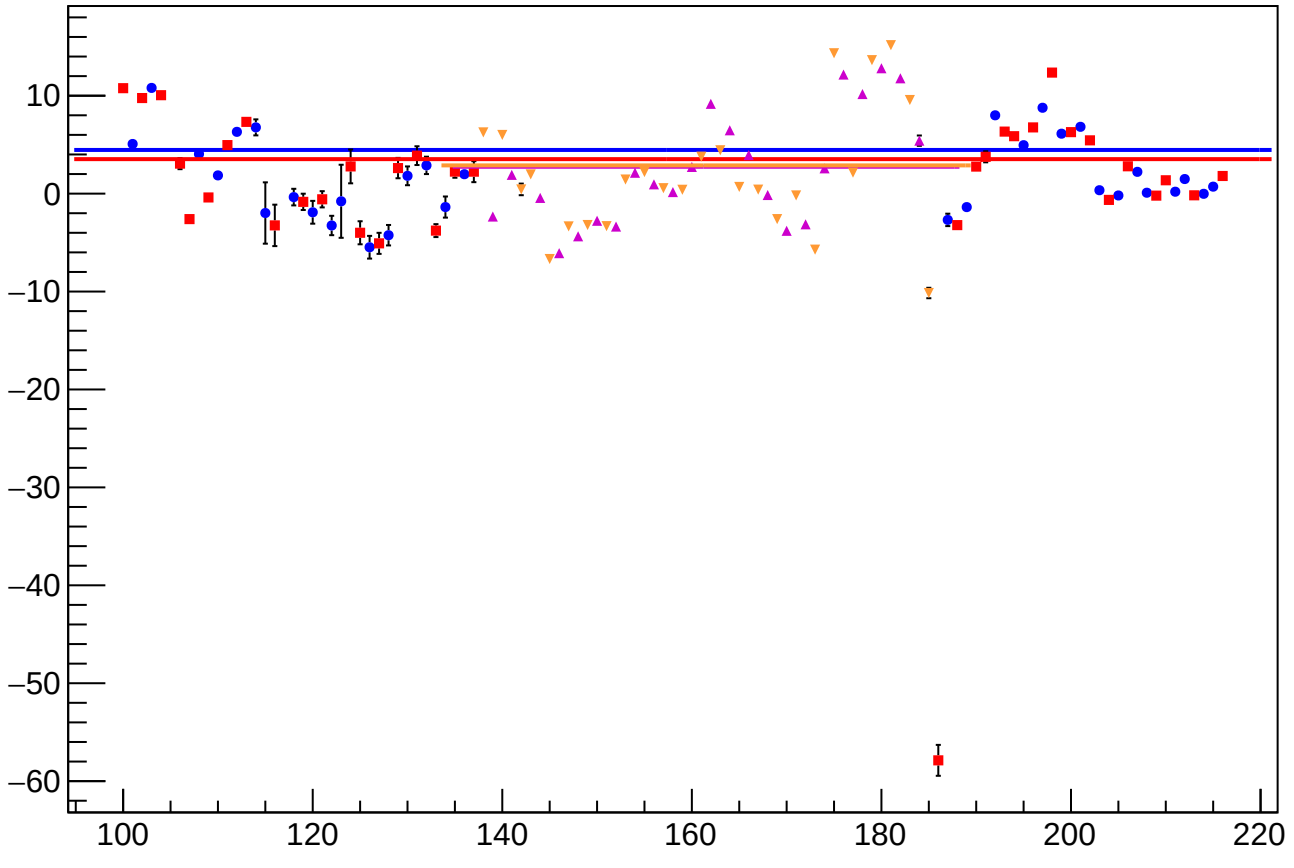
Left: 1.587+/-0.039 χ^2/NDF: 8885.0/47

Right: -1.633+/-0.037 χ^2/NDF: 110491.2/66

In: -0.004+/-0.038 χ^2/NDF:56377.3/54

Out: -0.246+/-0.038 χ^2/NDF:66566.2/59

All: -0.125+/-0.027 χ^2/NDF: 122963.9/114



Right In: 4.461+/-0.066 χ^2/NDF: 3292.6/31

Left Out: 2.884+/-0.070 χ^2/NDF:8893.2/24

Right Out: 3.523+/-0.063 χ^2/NDF: 8090.1/34

Left In: 2.745+/-0.071 χ^2/NDF:7183.1/22

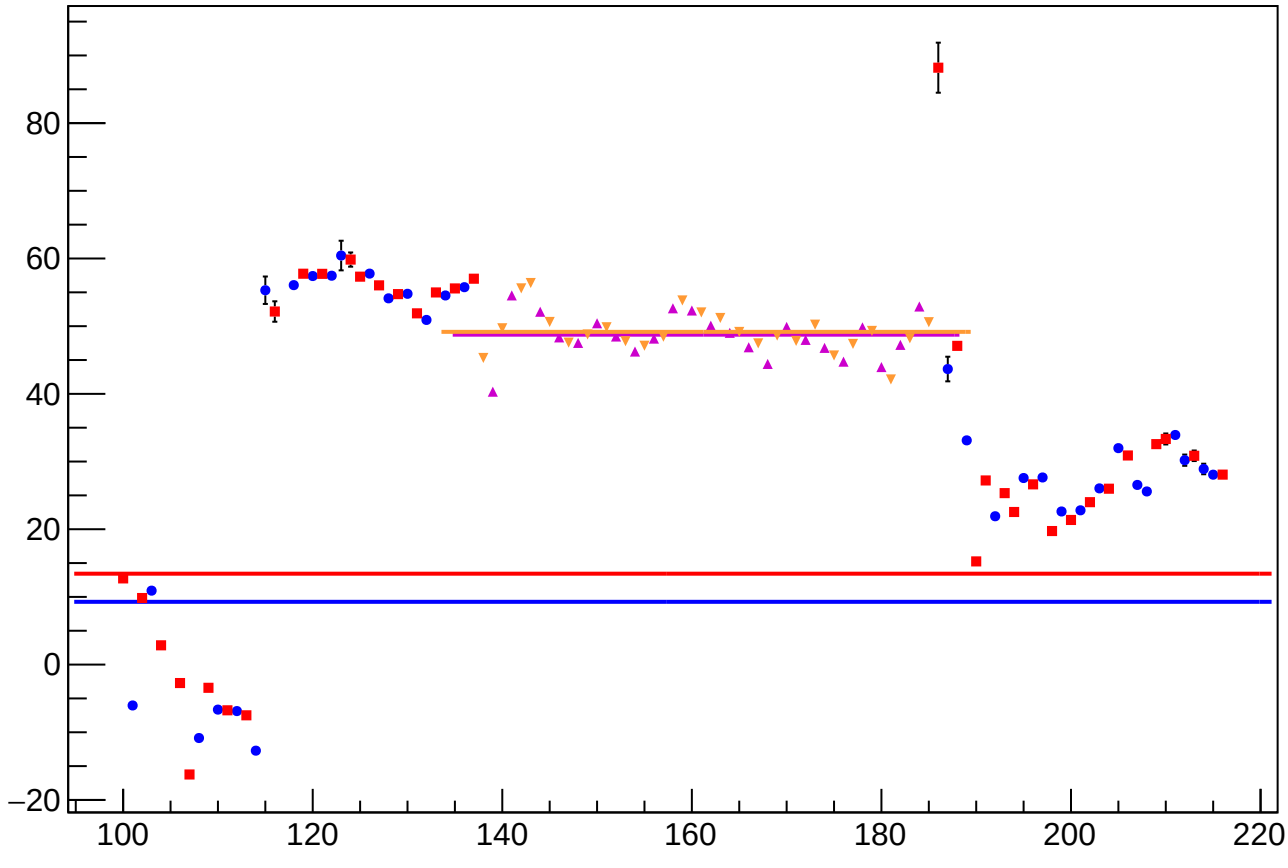
Left: 2.816+/-0.050 χ^2/NDF: 16078.2/47

Right: 3.969+/-0.045 χ^2/NDF: 11489.3/66

In: 3.673+/-0.048 χ^2/NDF:10787.7/54

Out: 3.239+/-0.047 χ^2/NDF:17029.3/59

All: 3.449+/-0.034 χ^2/NDF: 27858.5/114



Right In: 9.275+/-0.060 χ^2/NDF: 136312.8/31

Left Out: 49.163+/-0.062 χ^2/NDF:2259.9/24

Right Out: 13.430+/-0.063 χ^2/NDF: 138157.6/34

Left In: 48.744+/-0.064 χ^2/NDF:2097.7/22

Left: 48.960+/-0.044 χ^2/NDF: 4380.0/47

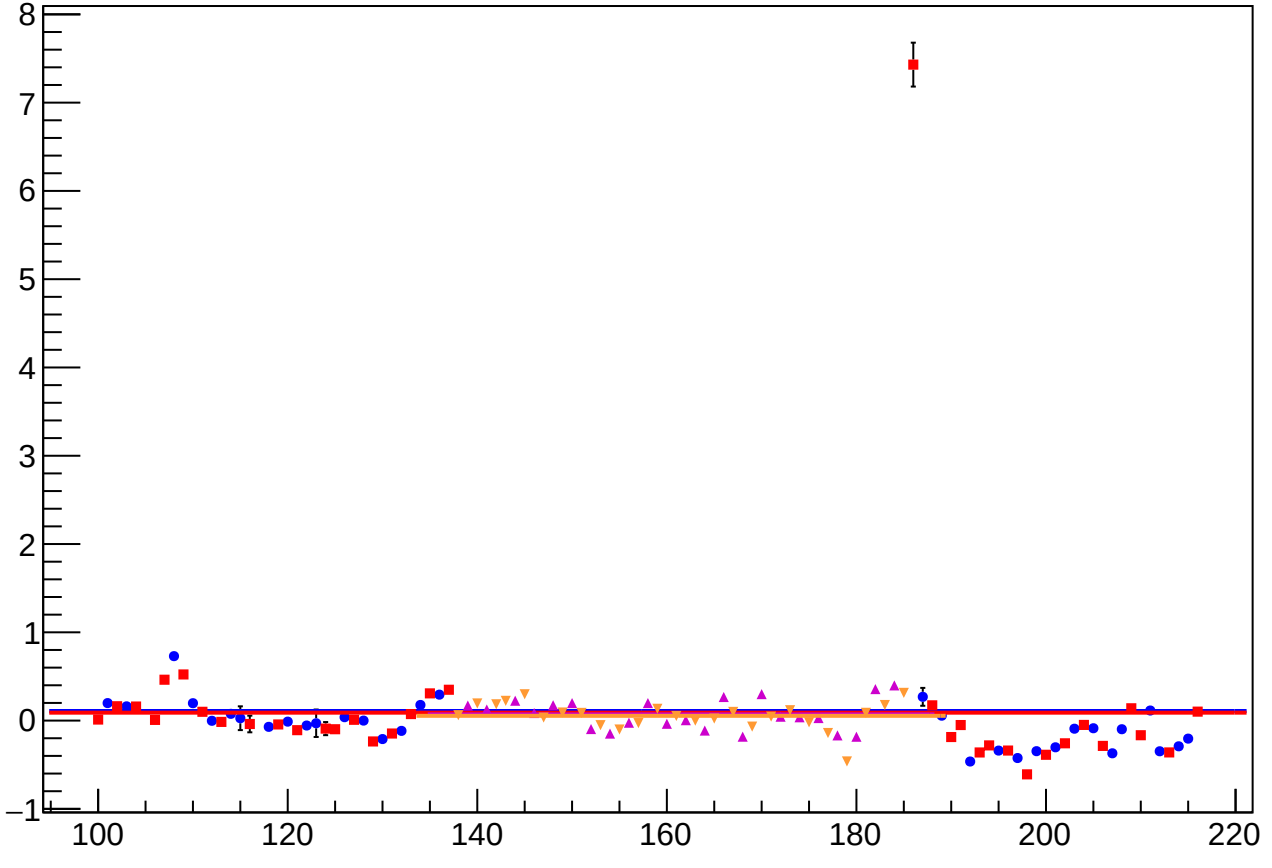
Right: 11.246+/-0.043 χ^2/NDF: 276753.6/66

In: 27.776+/-0.044 χ^2/NDF:341945.5/54

Out: 31.675+/-0.044 χ^2/NDF:304348.6/59

All: 29.705+/-0.031 χ^2/NDF: 650241.9/114

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.109+/-0.002 χ^2/NDF: 11864.9/31

Left Out: 0.054+/-0.003 χ^2/NDF:2379.8/24

Right Out: 0.090+/-0.002 χ^2/NDF: 11110.9/34

Left In: 0.070+/-0.003 χ^2/NDF:3233.8/22

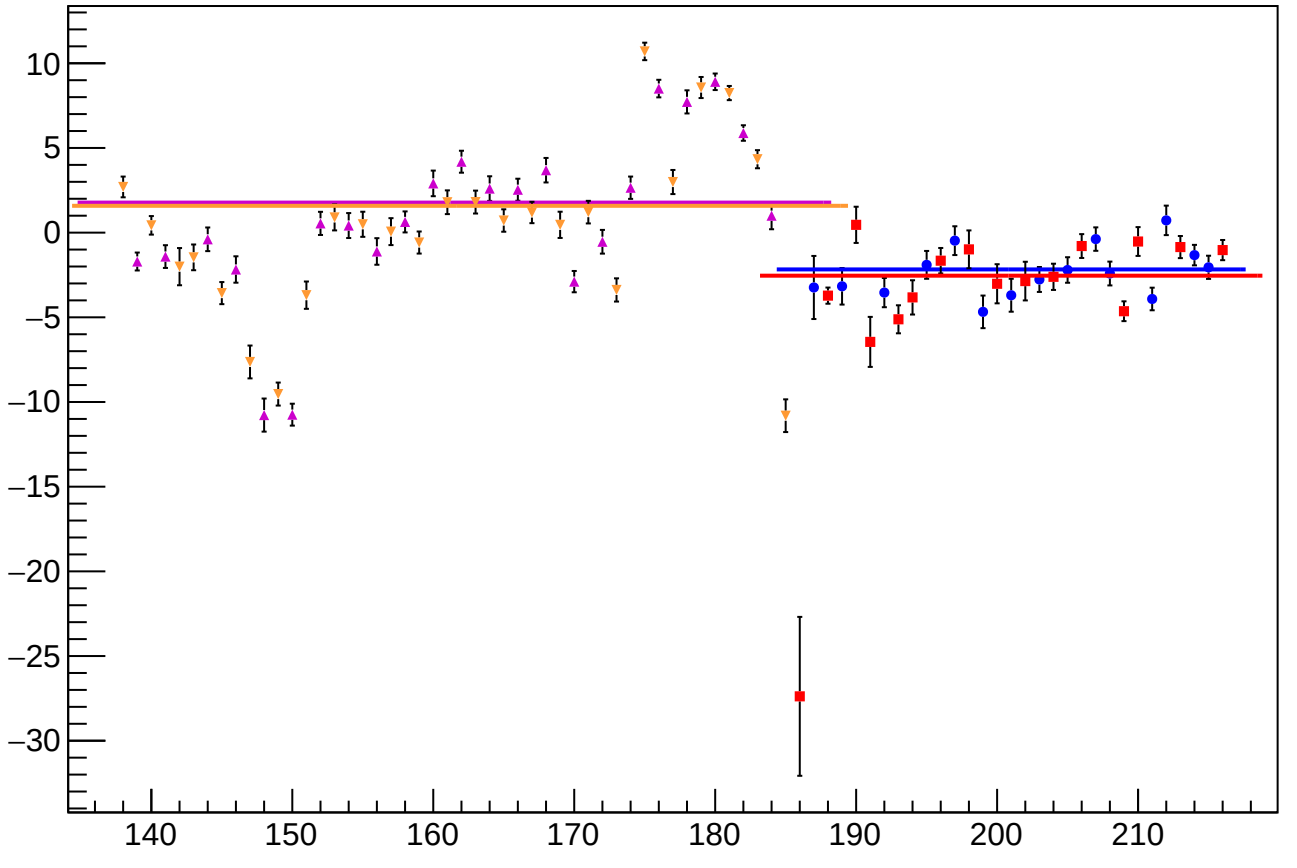
Left: 0.062+/-0.002 χ^2/NDF: 5630.0/47

Right: 0.099+/-0.002 χ^2/NDF: 23006.1/66

In: 0.092+/-0.002 χ^2/NDF:15201.5/54

Out: 0.075+/-0.002 χ^2/NDF:13584.9/59

All: 0.083+/-0.001 χ^2/NDF: 28830.8/114



Right In: -2.172+/-0.206 χ^2/NDF: 44.4/14

Left Out: 1.584+/-0.133 χ^2/NDF:1458.8/24

Right Out: -2.542+/-0.198 χ^2/NDF: 101.7/15

Left In: 1.774+/-0.135 χ^2/NDF:1297.3/22

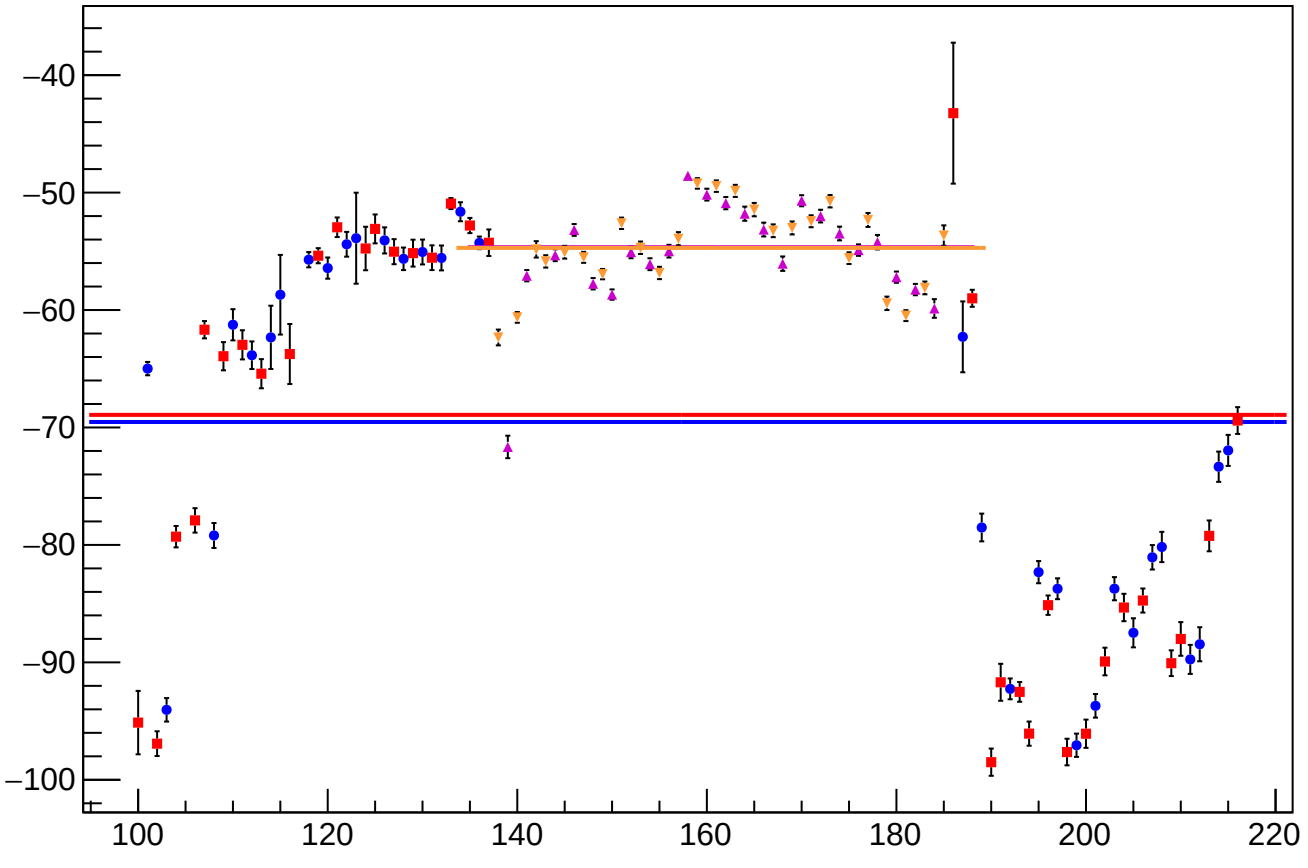
Left: 1.677+/-0.095 χ^2/NDF: 2757.2/47

Right: -2.363+/-0.143 χ^2/NDF: 147.8/30

In: 0.583+/-0.113 χ^2/NDF:1598.7/37

Out: 0.307+/-0.110 χ^2/NDF:1859.7/40

All: 0.442+/-0.079 χ^2/NDF: 3461.5/78



Right In: -69.532+/-0.178 χ^2/NDF: 7335.1/31

Left Out: -54.707+/-0.106 χ^2/NDF:1126.0/24

Right Out: -68.927+/-0.167 χ^2/NDF: 10374.9/34

Left In: -54.650+/-0.110 χ^2/NDF:1077.1/22

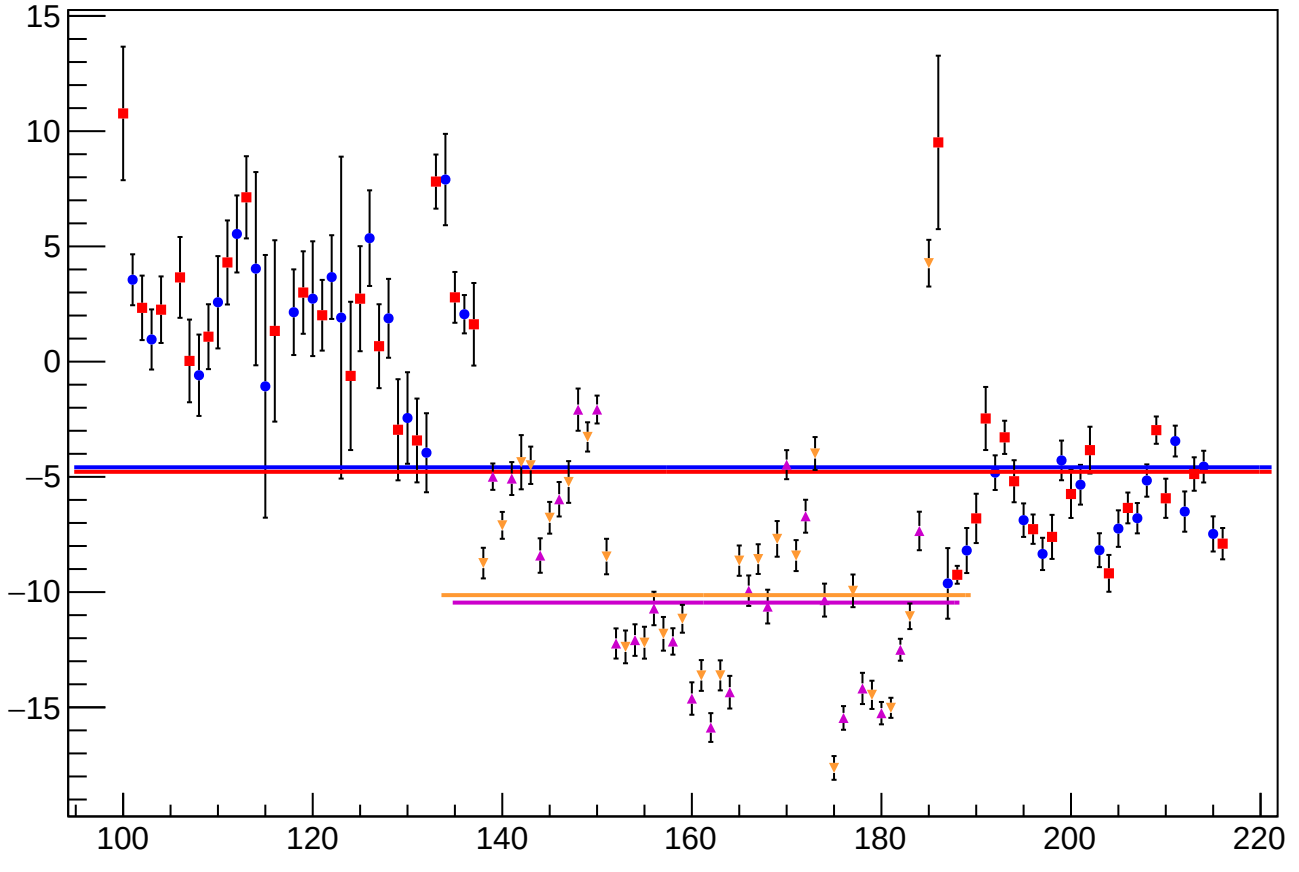
Left: -54.680+/-0.076 χ^2/NDF: 2203.2/47

Right: -69.212+/-0.122 χ^2/NDF: 17716.1/66

In: -58.766+/-0.093 χ^2/NDF:13494.7/54

Out: -58.759+/-0.089 χ^2/NDF:16658.6/59

All: -58.763+/-0.065 χ^2/NDF: 30153.4/114



Right In: -4.585+/-0.179 χ^2/NDF: 450.3/31

Left Out: -10.131+/-0.133 χ^2/NDF:1055.4/24

Right Out: -4.781+/-0.168 χ^2/NDF: 686.3/34

Left In: -10.456+/-0.135 χ^2/NDF:1002.7/22

Left: -10.291+/-0.095 χ^2/NDF: 2061.1/47

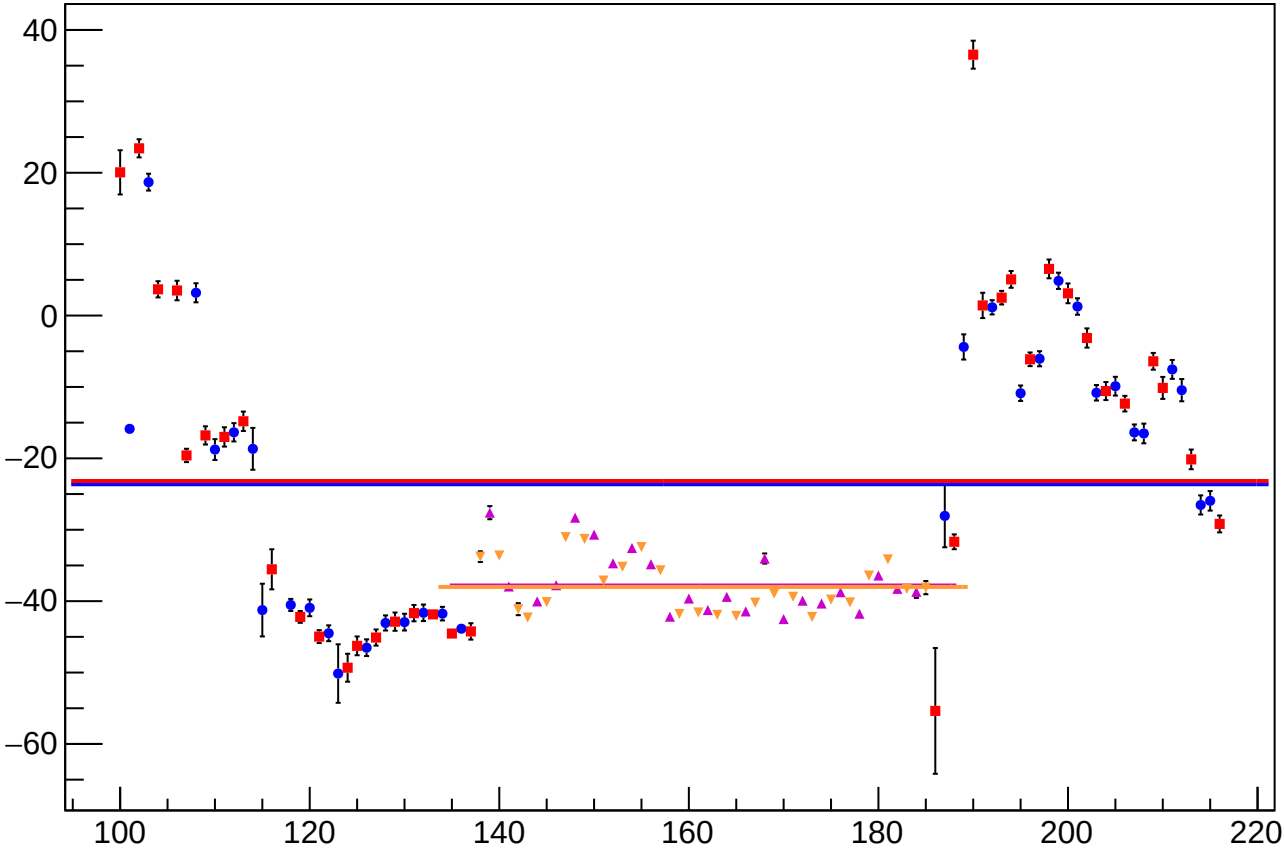
Right: -4.689+/-0.123 χ^2/NDF: 1137.2/66

In: -8.339+/-0.108 χ^2/NDF:2138.7/54

Out: -8.073+/-0.104 χ^2/NDF:2366.2/59

All: -8.201+/-0.075 χ^2/NDF: 4508.0/114

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.626+/-0.201 χ^2/NDF: 8669.2/31

Left Out: -38.006+/-0.119 χ^2/NDF:946.0/24

Right Out: -23.172+/-0.194 χ^2/NDF: 11916.8/34

Left In: -37.809+/-0.122 χ^2/NDF:1039.9/22

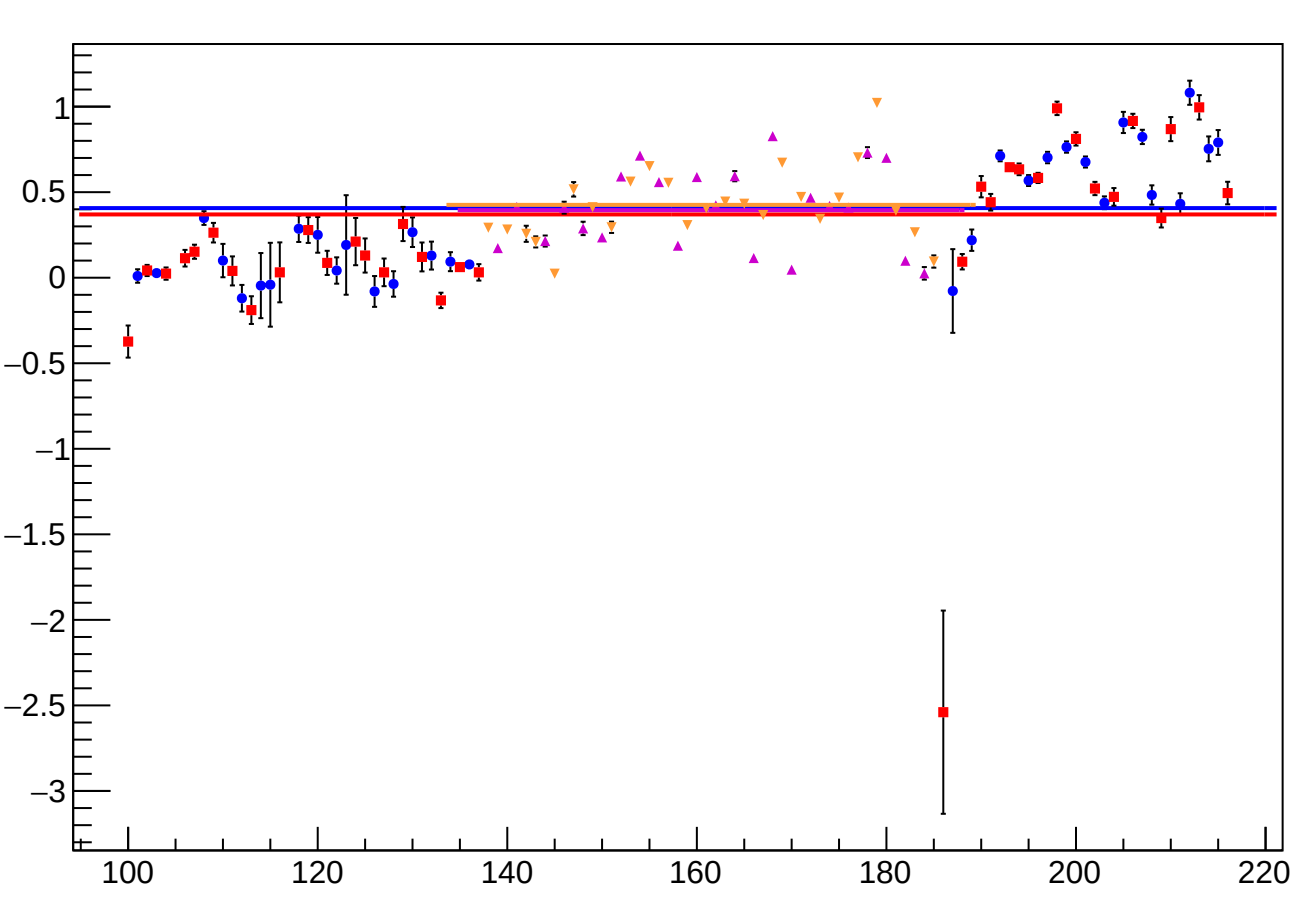
Left: -37.910+/-0.085 χ^2/NDF: 1987.2/47

Right: -23.391+/-0.139 χ^2/NDF: 20588.6/66

In: -33.981+/-0.104 χ^2/NDF:13338.8/54

Out: -33.951+/-0.101 χ^2/NDF:17129.0/59

All: -33.966+/-0.073 χ^2/NDF: 30467.8/114



Right In: 0.407+/-0.008 χ^2/NDF: 1402.0/31

Left Out: 0.426+/-0.005 χ^2/NDF:1303.7/24

Right Out: 0.370+/-0.008 χ^2/NDF: 1709.9/34

Left In: 0.395+/-0.005 χ^2/NDF:1798.2/22

Left: 0.411+/-0.004 χ^2/NDF: 3118.1/47

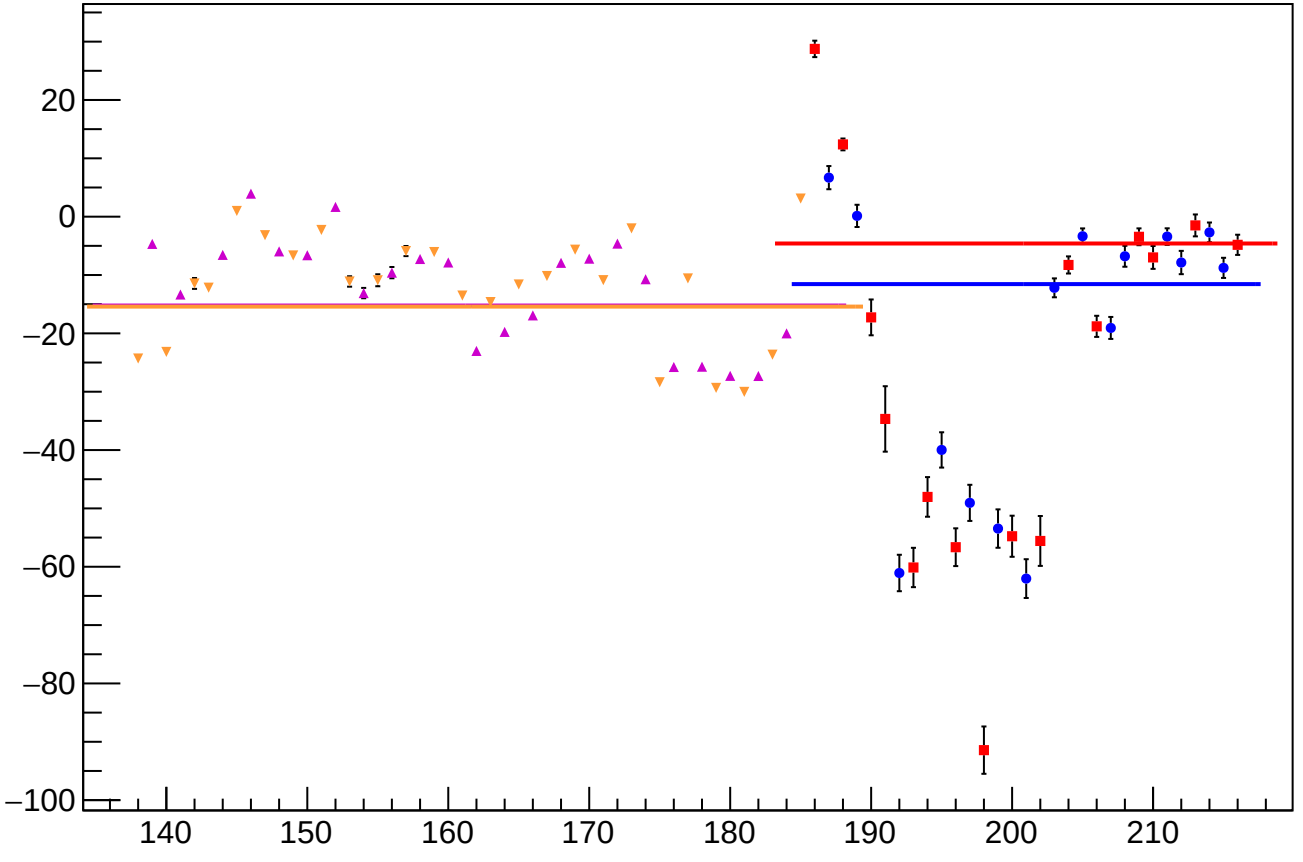
Right: 0.388+/-0.006 χ^2/NDF: 3121.8/66

In: 0.398+/-0.005 χ^2/NDF:3201.6/54

Out: 0.409+/-0.004 χ^2/NDF:3046.2/59

All: 0.404+/-0.003 χ^2/NDF: 6250.4/114

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -11.557+/-0.501 χ^2/NDF: 1128.4/14

Left Out: -15.413+/-0.105 χ^2/NDF:10509.1/24

Right Out: -4.597+/-0.487 χ^2/NDF: 2456.7/15

Left In: -15.229+/-0.107 χ^2/NDF:8657.3/22

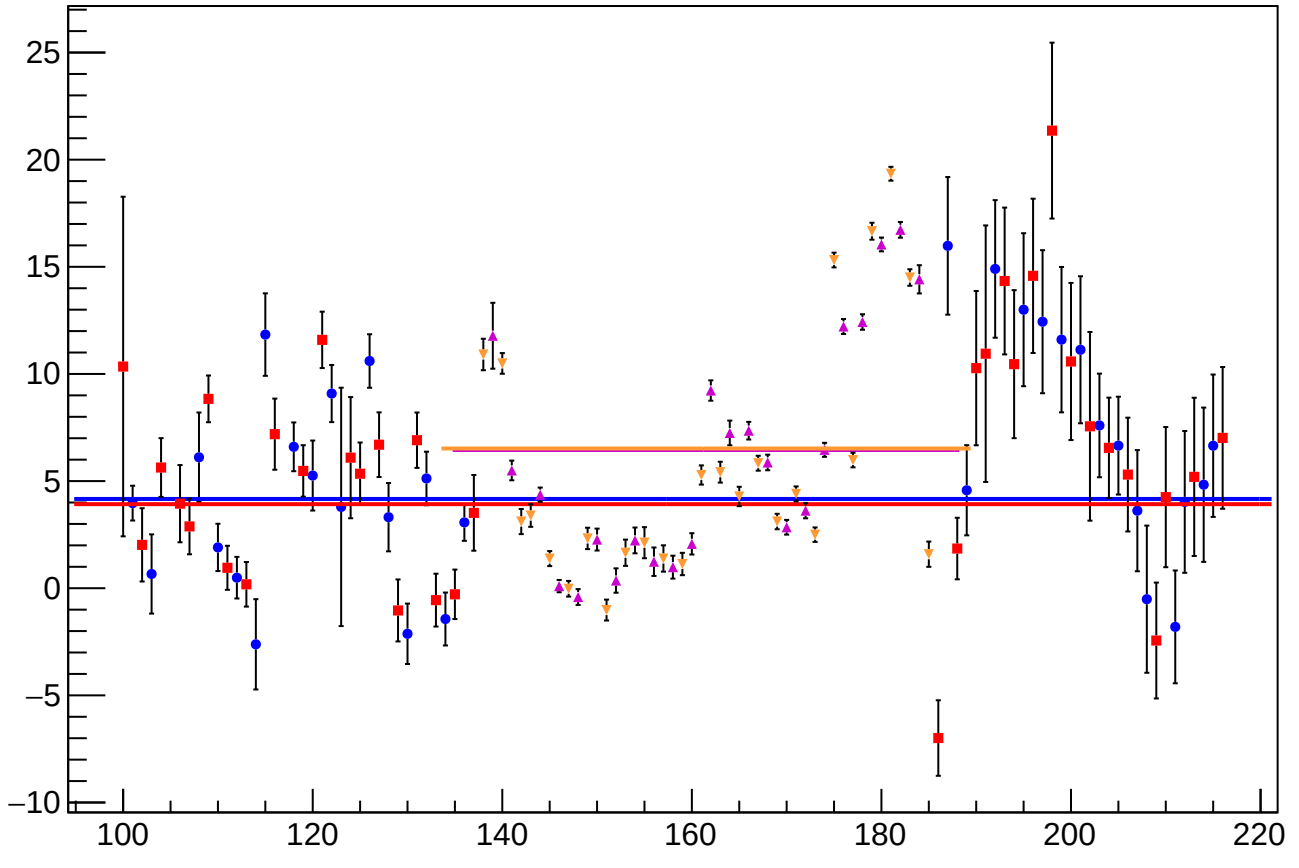
Left: -15.322+/-0.075 χ^2/NDF: 19167.9/47

Right: -7.984+/-0.349 χ^2/NDF: 3684.3/30

In: -15.070+/-0.104 χ^2/NDF:9837.2/37

Out: -14.931+/-0.103 χ^2/NDF:13436.3/40

All: -14.999+/-0.073 χ^2/NDF: 23274.4/78



Right In: 4.166+/-0.288 χ^2/NDF: 194.3/31

Left Out: 6.521+/-0.085 χ^2/NDF:4985.2/24

Right Out: 3.923+/-0.288 χ^2/NDF: 230.3/34

Left In: 6.452+/-0.086 χ^2/NDF:3948.0/22

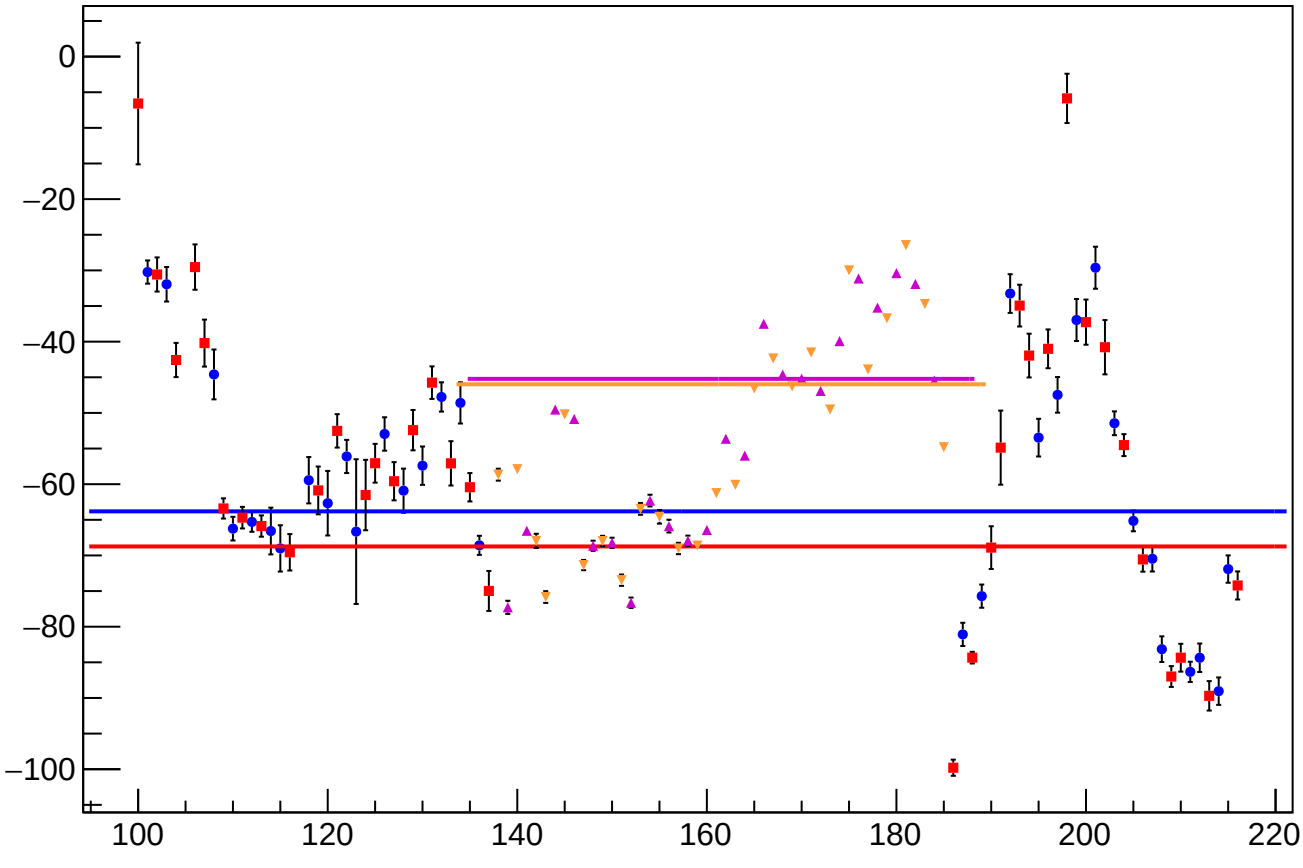
Left: 6.487+/-0.061 χ^2/NDF: 8933.5/47

Right: 4.045+/-0.204 χ^2/NDF: 424.9/66

In: 6.264+/-0.083 χ^2/NDF:4200.2/54

Out: 6.311+/-0.082 χ^2/NDF:5290.2/59

All: 6.288+/-0.058 χ^2/NDF: 9490.6/114



Right In: -63.816+/-0.364 χ^2/NDF: 2074.1/31

Left Out: -45.982+/-0.106 χ^2/NDF:17360.1/24

Right Out: -68.738+/-0.343 χ^2/NDF: 3270.0/34

Left In: -45.222+/-0.107 χ^2/NDF:15600.2/22

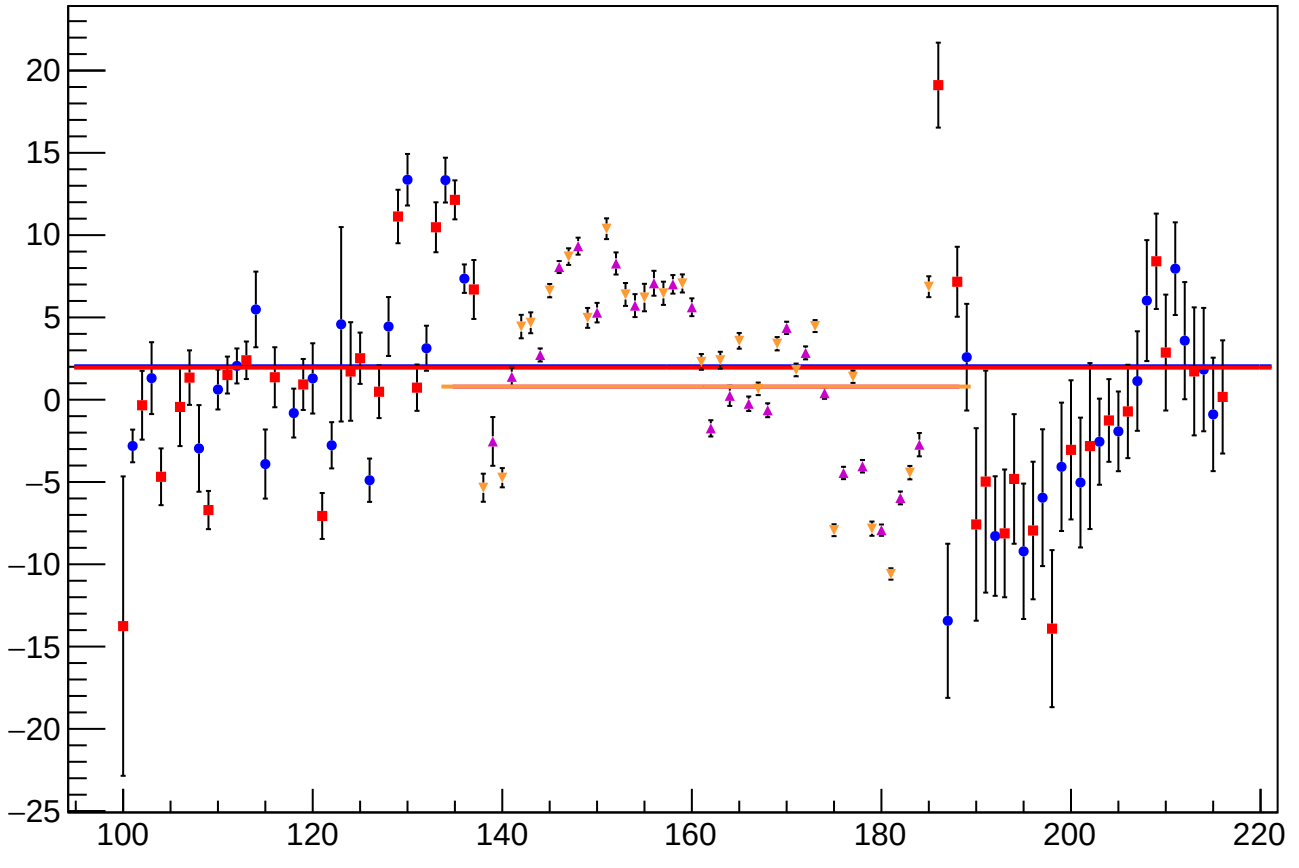
Left: -45.605+/-0.075 χ^2/NDF: 32985.7/47

Right: -66.423+/-0.250 χ^2/NDF: 5440.8/66

In: -46.704+/-0.103 χ^2/NDF:20072.1/54

Out: -47.972+/-0.102 χ^2/NDF:24641.6/59

All: -47.346+/-0.072 χ^2/NDF: 44790.8/114



Right In: 2.031+/-0.323 χ^2/NDF: 292.3/31

Left Out: 0.797+/-0.096 χ^2/NDF:3760.0/24

Right Out: 1.949+/-0.328 χ^2/NDF: 355.0/34

Left In: 0.792+/-0.097 χ^2/NDF:2692.5/22

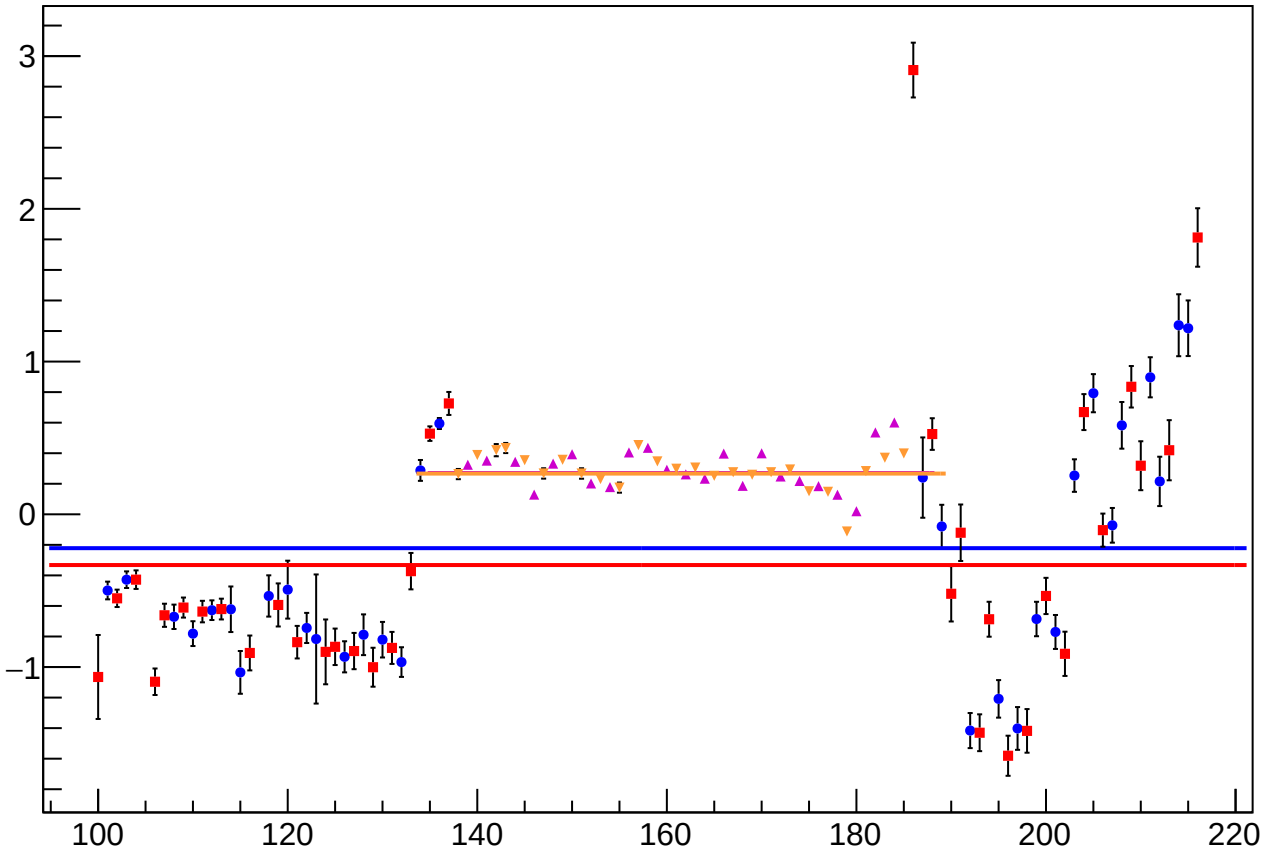
Left: 0.795+/-0.068 χ^2/NDF: 6452.5/47

Right: 1.991+/-0.230 χ^2/NDF: 647.4/66

In: 0.894+/-0.093 χ^2/NDF:2998.3/54

Out: 0.887+/-0.092 χ^2/NDF:4126.4/59

All: 0.891+/-0.065 χ^2/NDF: 7124.7/114



Right In: -0.222+/-0.017 χ^2/NDF: 1555.9/31

Left Out: 0.267+/-0.004 χ^2/NDF:699.8/24

Right Out: -0.332+/-0.017 χ^2/NDF: 1819.3/34

Left In: 0.270+/-0.004 χ^2/NDF:969.9/22

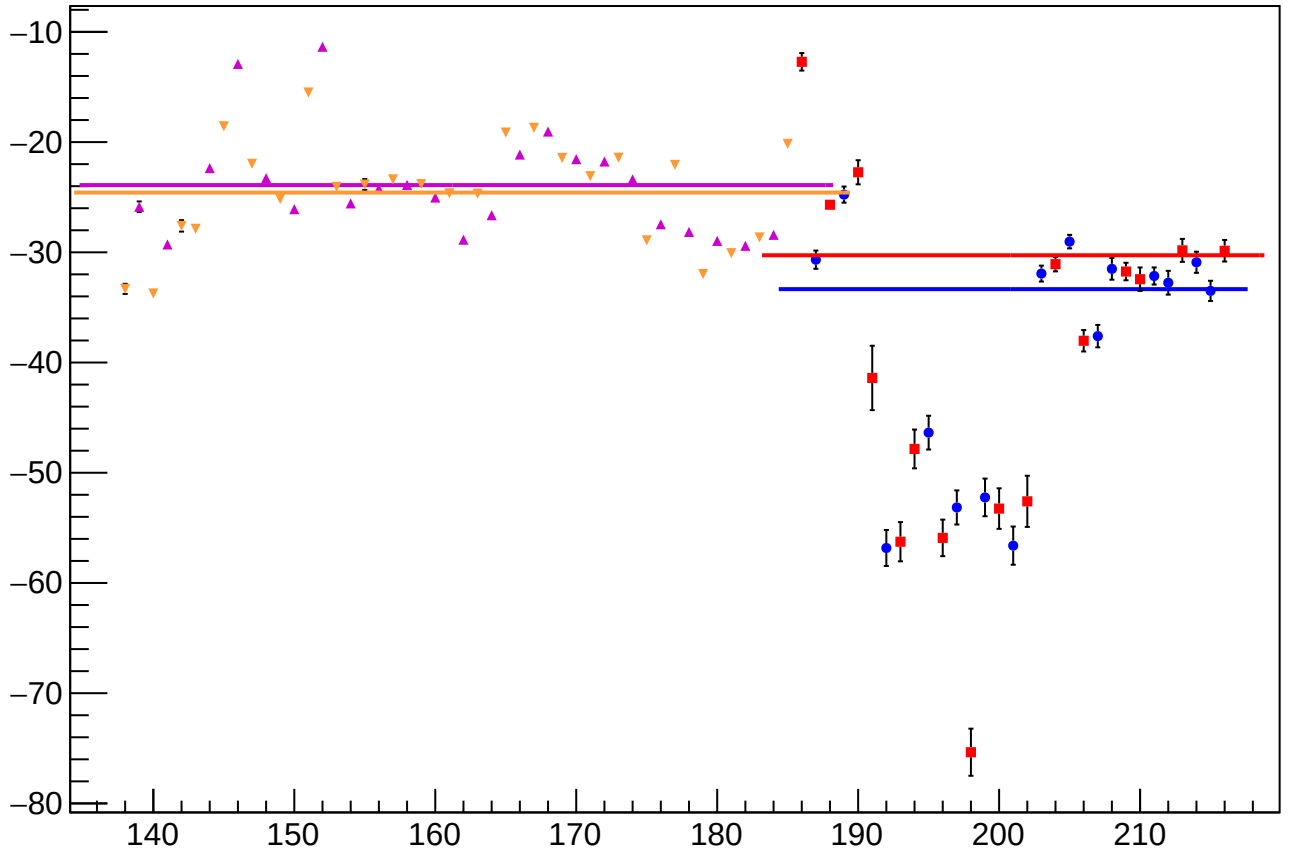
Left: 0.268+/-0.003 χ^2/NDF: 1670.1/47

Right: -0.277+/-0.012 χ^2/NDF: 3397.4/66

In: 0.238+/-0.004 χ^2/NDF:3347.0/54

Out: 0.228+/-0.004 χ^2/NDF:3735.8/59

All: 0.233+/-0.003 χ^2/NDF: 7085.4/114



Right In: -33.341+/-0.245 χ^2/NDF: 977.3/14

Left Out: -24.577+/-0.051 χ^2/NDF:8590.4/24

Right Out: -30.268+/-0.239 χ^2/NDF: 1983.4/15

Left In: -23.901+/-0.051 χ^2/NDF:9154.9/22

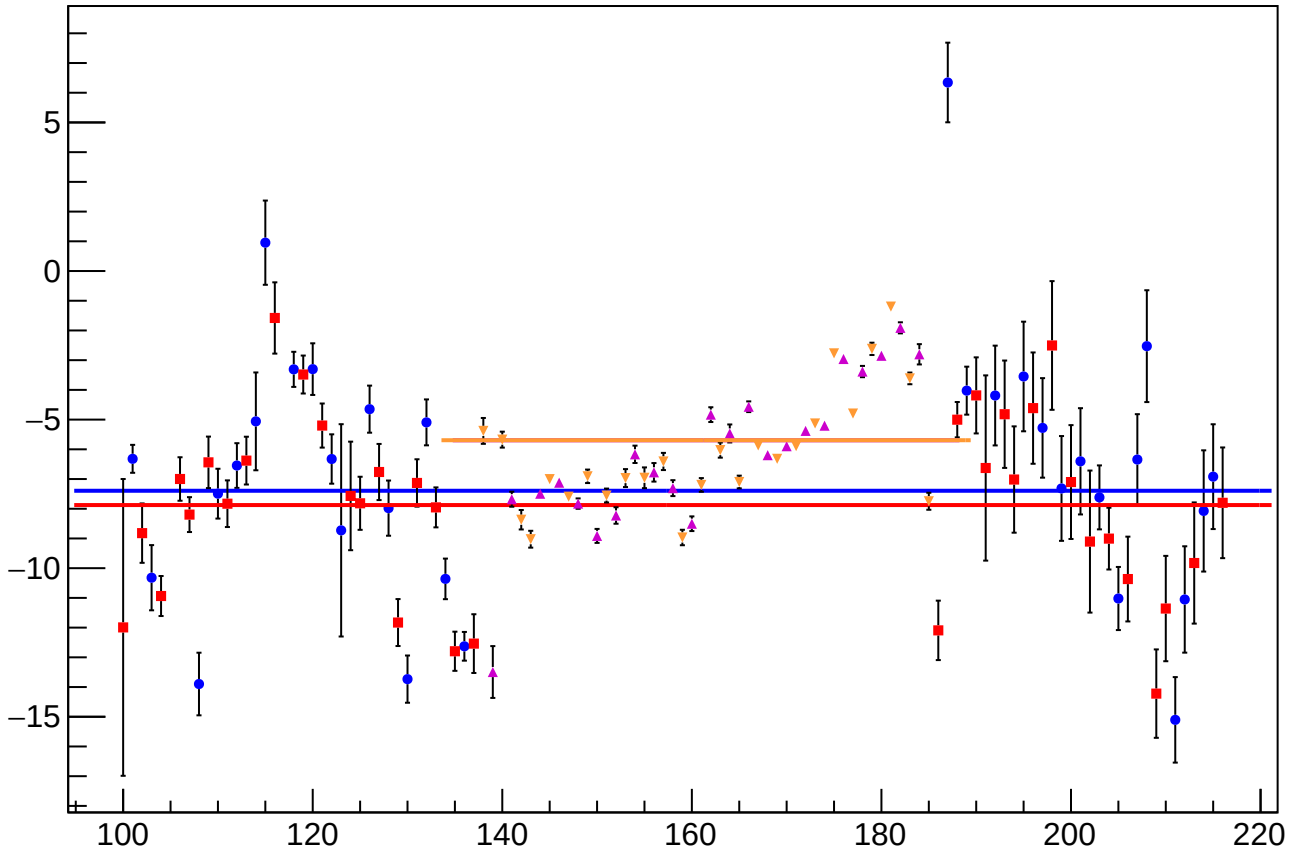
Left: -24.240+/-0.036 χ^2/NDF: 17833.1/47

Right: -31.765+/-0.171 χ^2/NDF: 3041.1/30

In: -24.293+/-0.050 χ^2/NDF:11550.2/37

Out: -24.824+/-0.050 χ^2/NDF:11115.1/40

All: -24.560+/-0.035 χ^2/NDF: 22721.8/78



Right In: -7.395+/-0.167 χ^2/NDF: 565.8/31

Left Out: -5.694+/-0.041 χ^2/NDF:2258.3/24

Right Out: -7.876+/-0.163 χ^2/NDF: 312.9/34

Left In: -5.696+/-0.041 χ^2/NDF:2309.8/22

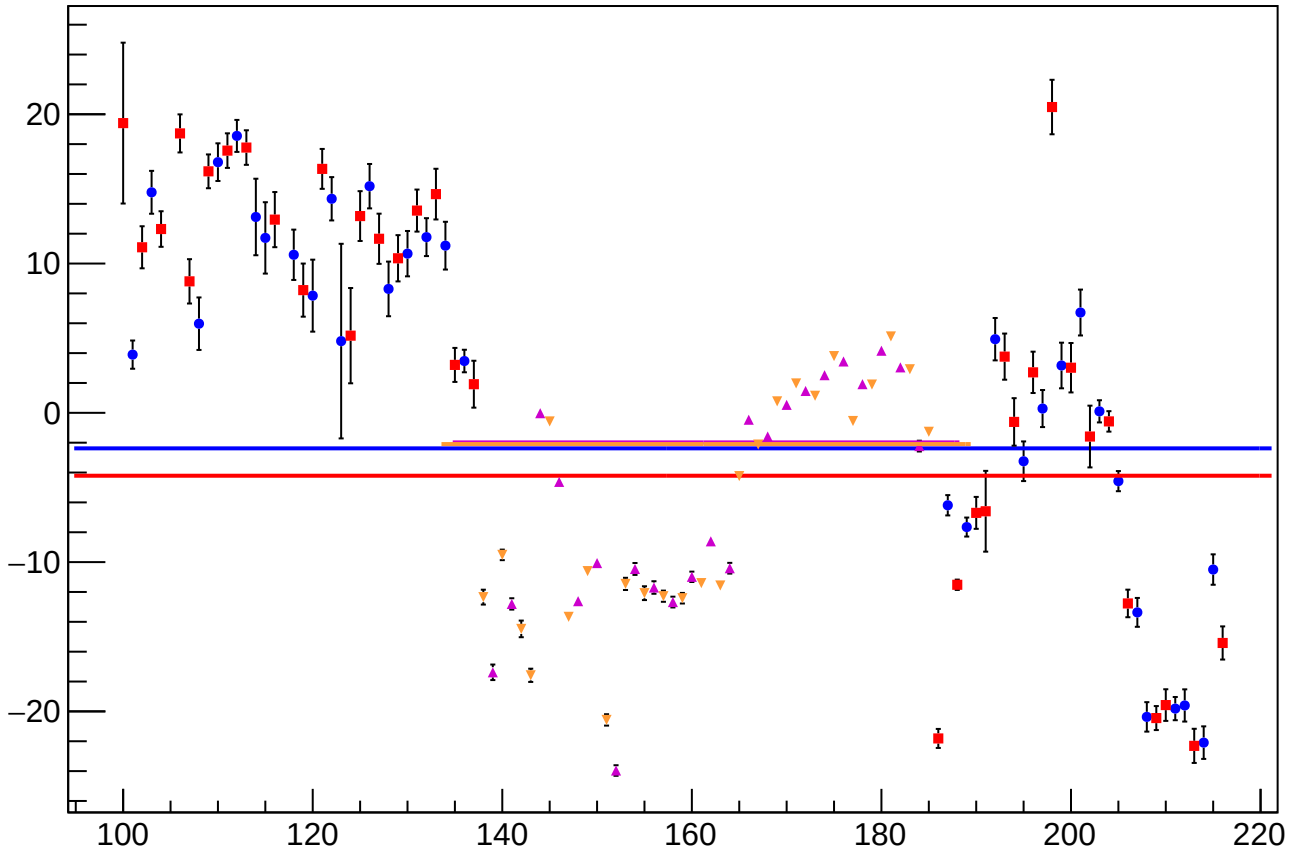
Left: -5.695+/-0.029 χ^2/NDF: 4568.1/47

Right: -7.641+/-0.116 χ^2/NDF: 882.9/66

In: -5.792+/-0.040 χ^2/NDF:2973.6/54

Out: -5.825+/-0.040 χ^2/NDF:2739.9/59

All: -5.808+/-0.028 χ^2/NDF: 5713.8/114



Right In: -2.380+/-0.195 χ^2/NDF: 3418.1/31

Left Out: -2.092+/-0.051 χ^2/NDF:16305.3/24

Right Out: -4.213+/-0.181 χ^2/NDF: 5334.4/34

Left In: -1.980+/-0.051 χ^2/NDF:15382.3/22

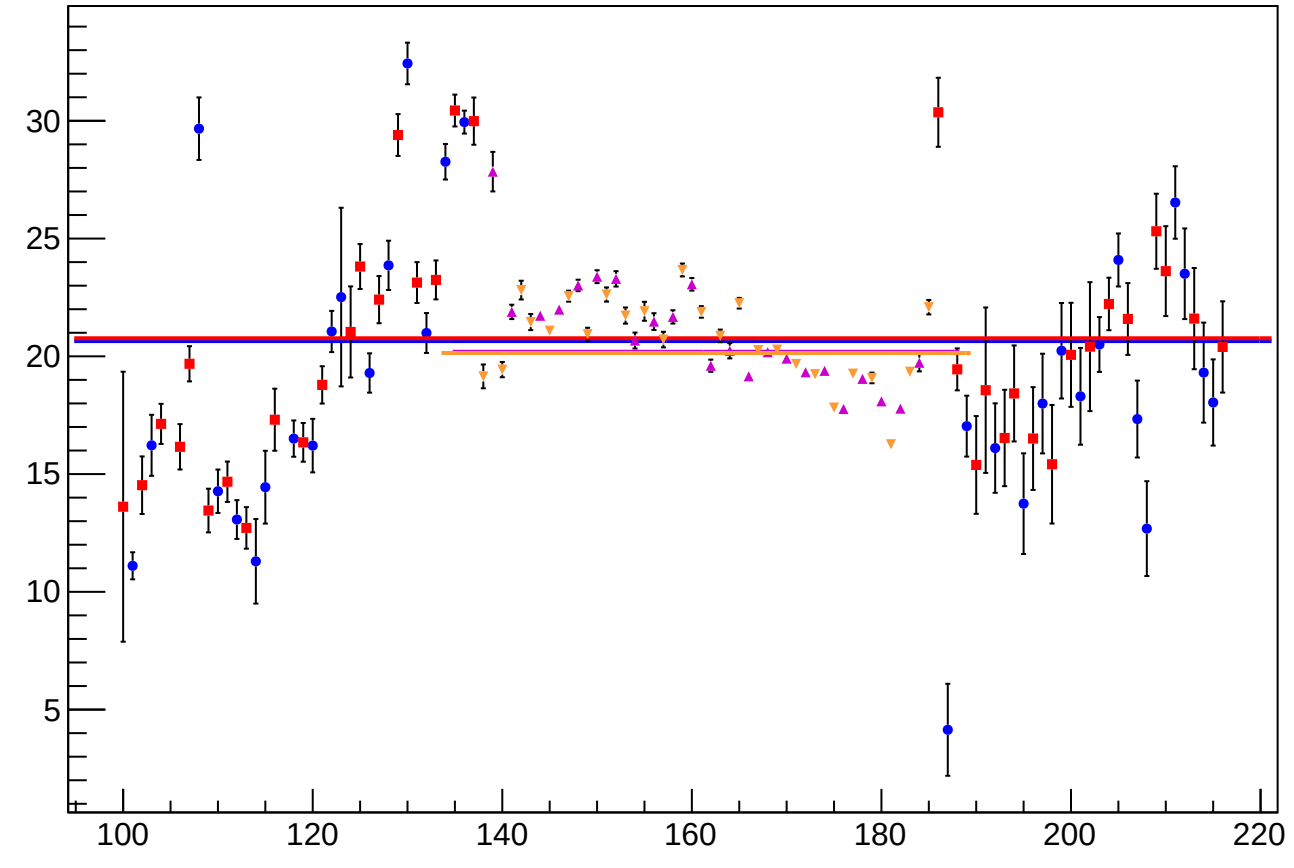
Left: -2.036+/-0.036 χ^2/NDF: 31690.0/47

Right: -3.362+/-0.133 χ^2/NDF: 8799.9/66

In: -2.006+/-0.050 χ^2/NDF:18804.3/54

Out: -2.250+/-0.049 χ^2/NDF:21766.3/59

All: -2.128+/-0.035 χ^2/NDF: 40582.7/114



Right In: 20.647+/-0.189 χ^2/NDF: 1359.6/31

Left Out: 20.141+/-0.046 χ^2/NDF:1419.1/24

Right Out: 20.767+/-0.190 χ^2/NDF: 800.6/34

Left In: 20.194+/-0.046 χ^2/NDF:1447.4/22

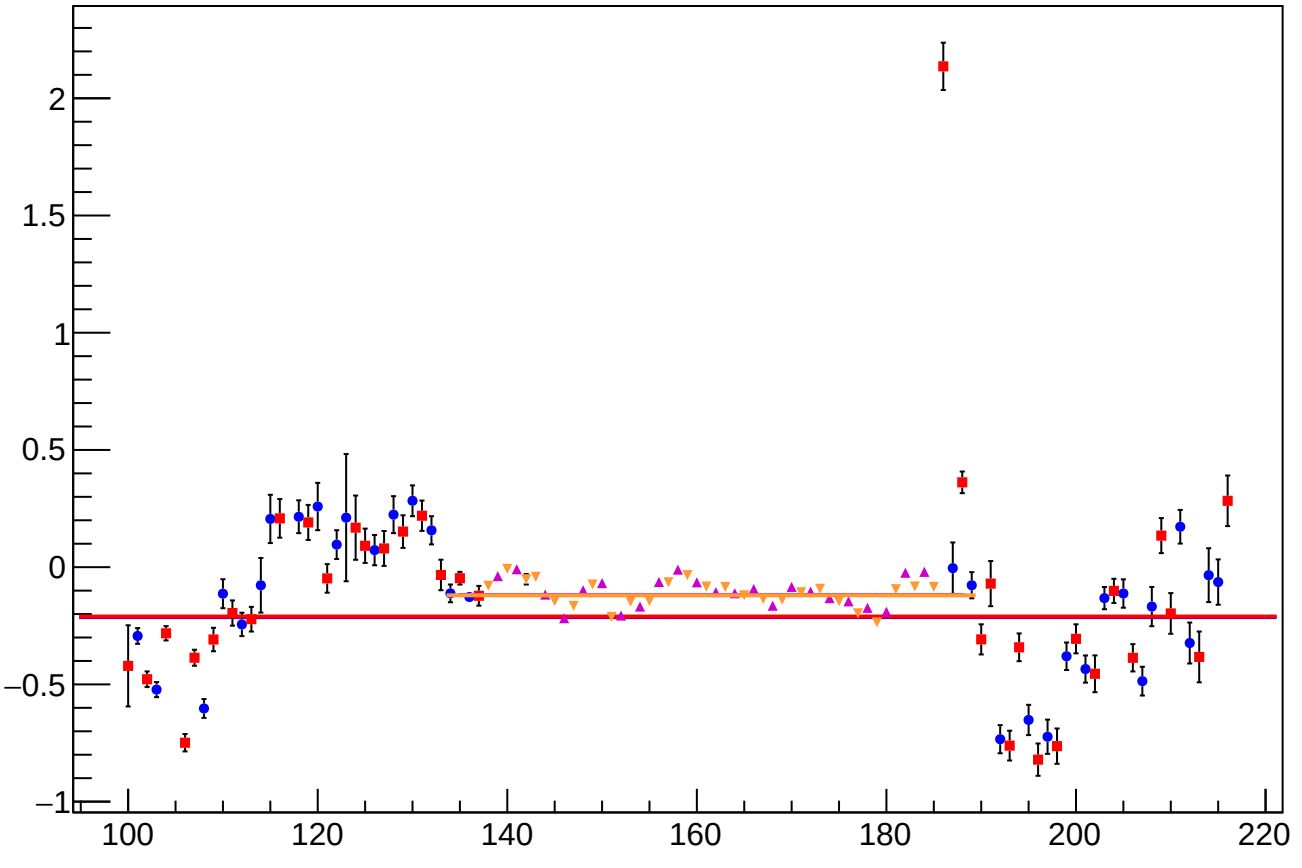
Left: 20.167+/-0.032 χ^2/NDF: 2867.2/47

Right: 20.707+/-0.134 χ^2/NDF: 2160.3/66

In: 20.219+/-0.045 χ^2/NDF:2812.3/54

Out: 20.175+/-0.045 χ^2/NDF:2229.9/59

All: 20.197+/-0.032 χ^2/NDF: 5042.7/114



Right In: -0.213+/-0.009 χ^2/NDF: 733.9/31

Left Out: -0.120+/-0.002 χ^2/NDF:530.4/24

Right Out: -0.211+/-0.009 χ^2/NDF: 1515.8/34

Left In: -0.119+/-0.002 χ^2/NDF:721.8/22

Left: -0.119+/-0.001 χ^2/NDF: 1252.4/47

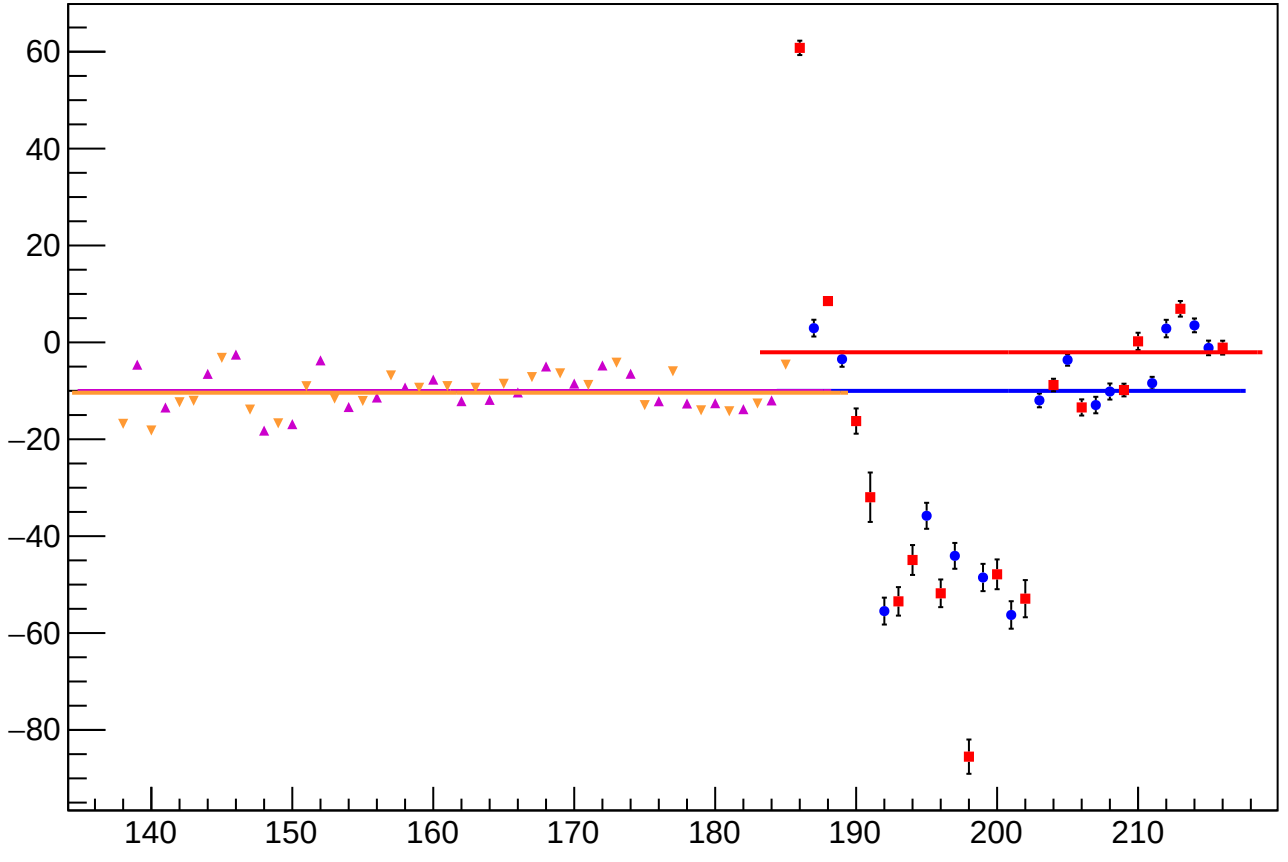
Right: -0.212+/-0.007 χ^2/NDF: 2249.7/66

In: -0.123+/-0.002 χ^2/NDF:1551.4/54

Out: -0.125+/-0.002 χ^2/NDF:2137.6/59

All: -0.124+/-0.001 χ^2/NDF: 3689.2/114

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.011+/-0.442 χ^2/NDF: 1259.9/14

Left Out: -10.391+/-0.088 χ^2/NDF:2111.6/24

Right Out: -2.043+/-0.434 χ^2/NDF: 3900.7/15

Left In: -10.036+/-0.090 χ^2/NDF:1758.7/22

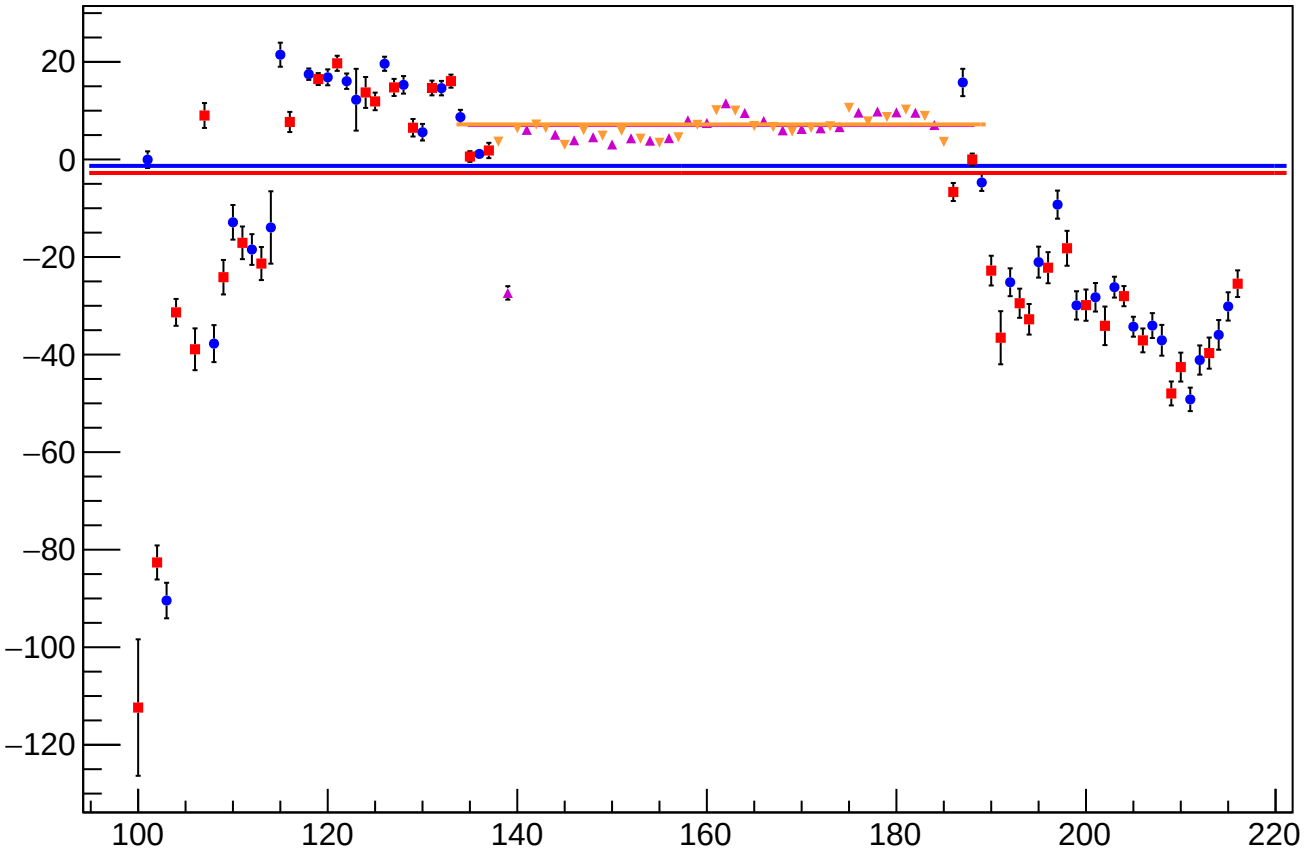
Left: -10.217+/-0.063 χ^2/NDF: 3878.3/47

Right: -5.954+/-0.309 χ^2/NDF: 5326.2/30

In: -10.035+/-0.088 χ^2/NDF:3018.6/37

Out: -10.062+/-0.086 χ^2/NDF:6368.1/40

All: -10.049+/-0.061 χ^2/NDF: 9386.7/78



Right In: -1.318+/-0.347 χ^2/NDF: 3635.6/31

Left Out: 7.184+/-0.073 χ^2/NDF:917.3/24

Right Out: -2.774+/-0.357 χ^2/NDF: 3445.1/34

Left In: 7.053+/-0.074 χ^2/NDF:1535.8/22

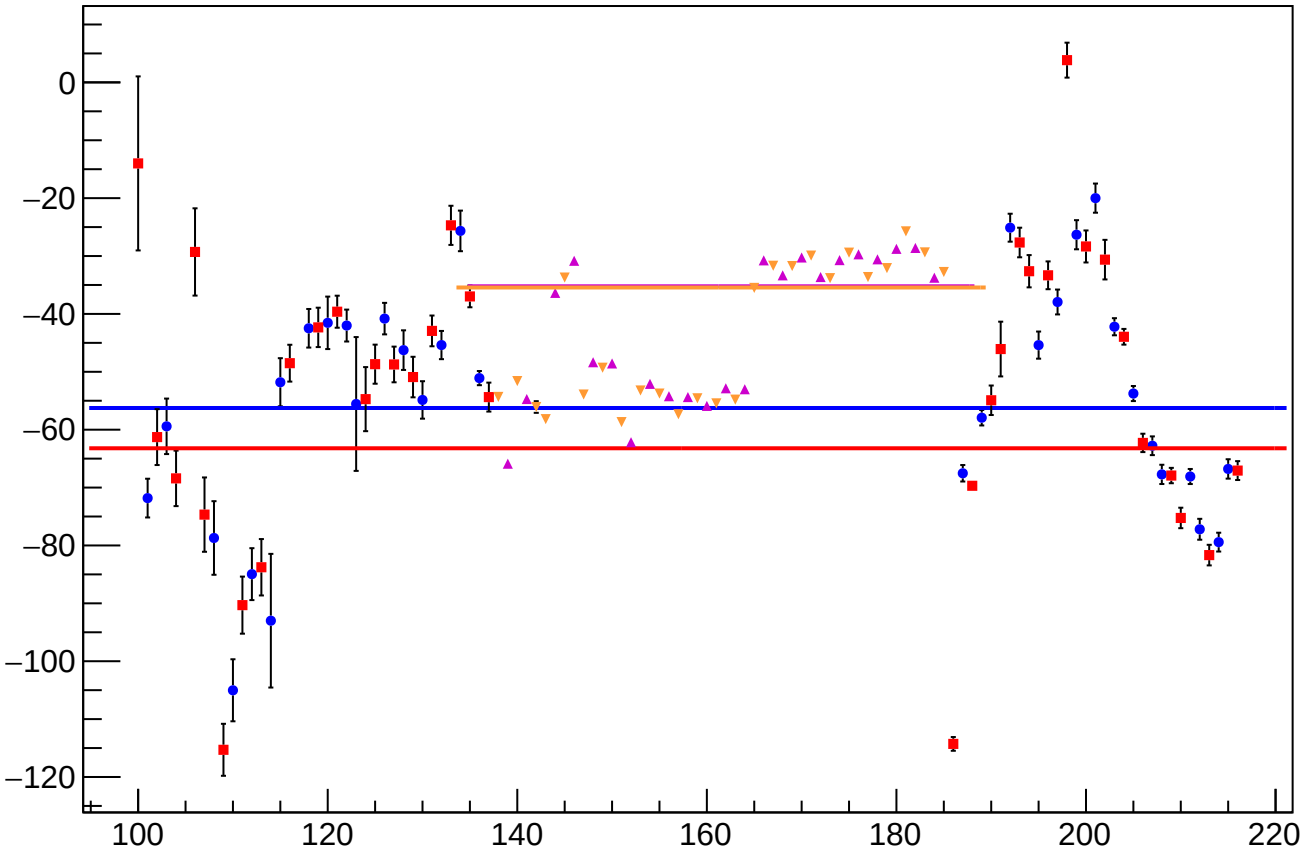
Left: 7.119+/-0.052 χ^2/NDF: 2454.8/47

Right: -2.026+/-0.249 χ^2/NDF: 7089.3/66

In: 6.687+/-0.073 χ^2/NDF:5727.1/54

Out: 6.779+/-0.072 χ^2/NDF:5110.1/59

All: 6.733+/-0.051 χ^2/NDF: 10838.1/114



Right In: -56.253+/-0.373 χ^2/NDF: 1670.0/31

Left Out: -35.434+/-0.089 χ^2/NDF:12782.8/24

Right Out: -63.211+/-0.357 χ^2/NDF: 4345.9/34

Left In: -35.229+/-0.090 χ^2/NDF:11602.9/22

Left: -35.333+/-0.063 χ^2/NDF: 24388.3/47

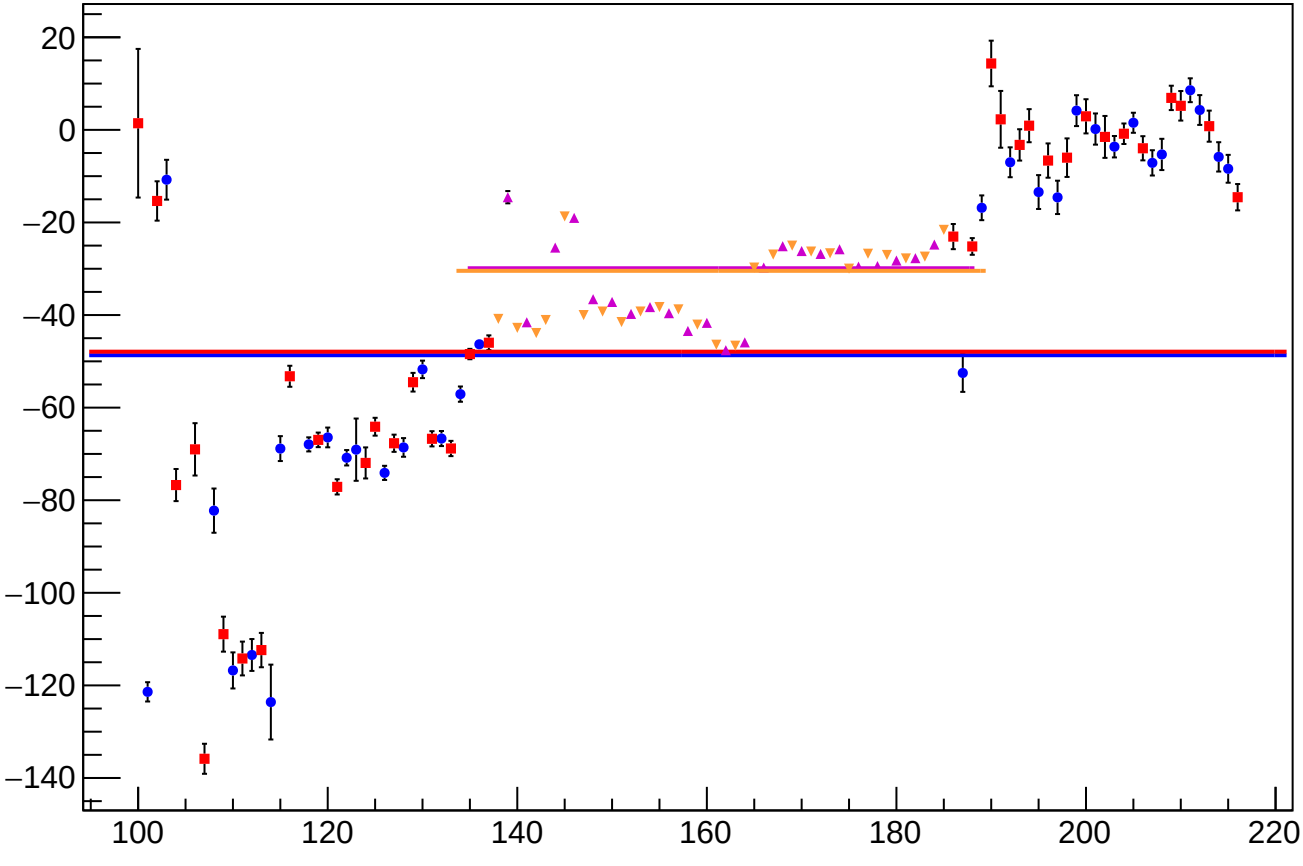
Right: -59.888+/-0.258 χ^2/NDF: 6197.6/66

In: -36.387+/-0.088 χ^2/NDF:16271.8/54

Out: -37.062+/-0.086 χ^2/NDF:22834.2/59

All: -36.729+/-0.061 χ^2/NDF: 39136.1/114

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -48.677+/-0.388 χ^2/NDF: 6486.3/31

Left Out: -30.448+/-0.082 χ^2/NDF:8167.7/24

Right Out: -47.912+/-0.408 χ^2/NDF: 5927.5/34

Left In: -29.892+/-0.083 χ^2/NDF:7115.0/22

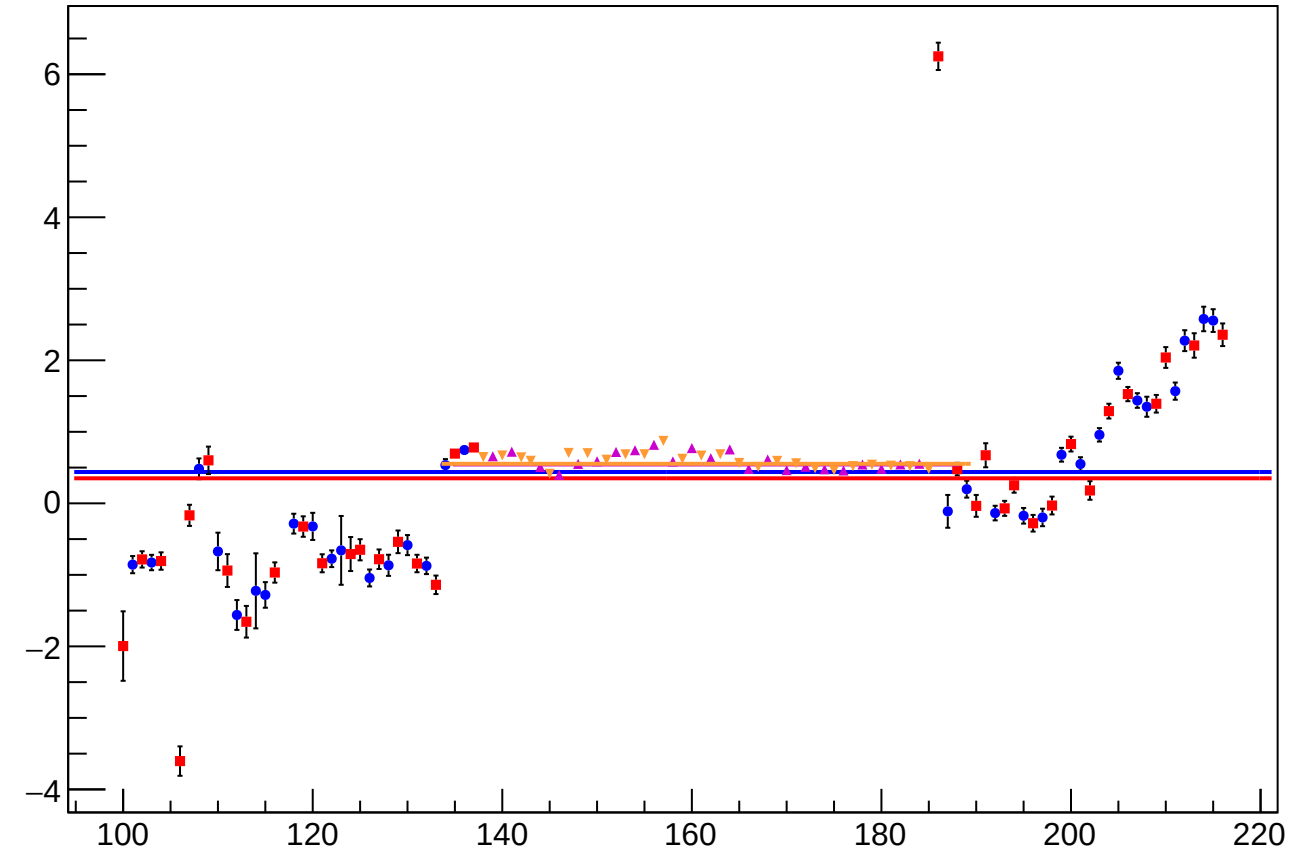
Left: -30.174+/-0.058 χ^2/NDF: 15305.7/47

Right: -48.314+/-0.281 χ^2/NDF: 12415.7/66

In: -30.708+/-0.081 χ^2/NDF:15849.2/54

Out: -31.118+/-0.080 χ^2/NDF:15856.7/59

All: -30.915+/-0.057 χ^2/NDF: 31718.9/114



Right In: 0.438+/-0.019 χ^2/NDF: 2140.9/31

Left Out: 0.553+/-0.004 χ^2/NDF:542.1/24

Right Out: 0.350+/-0.020 χ^2/NDF: 3151.4/34

Left In: 0.544+/-0.004 χ^2/NDF:655.9/22

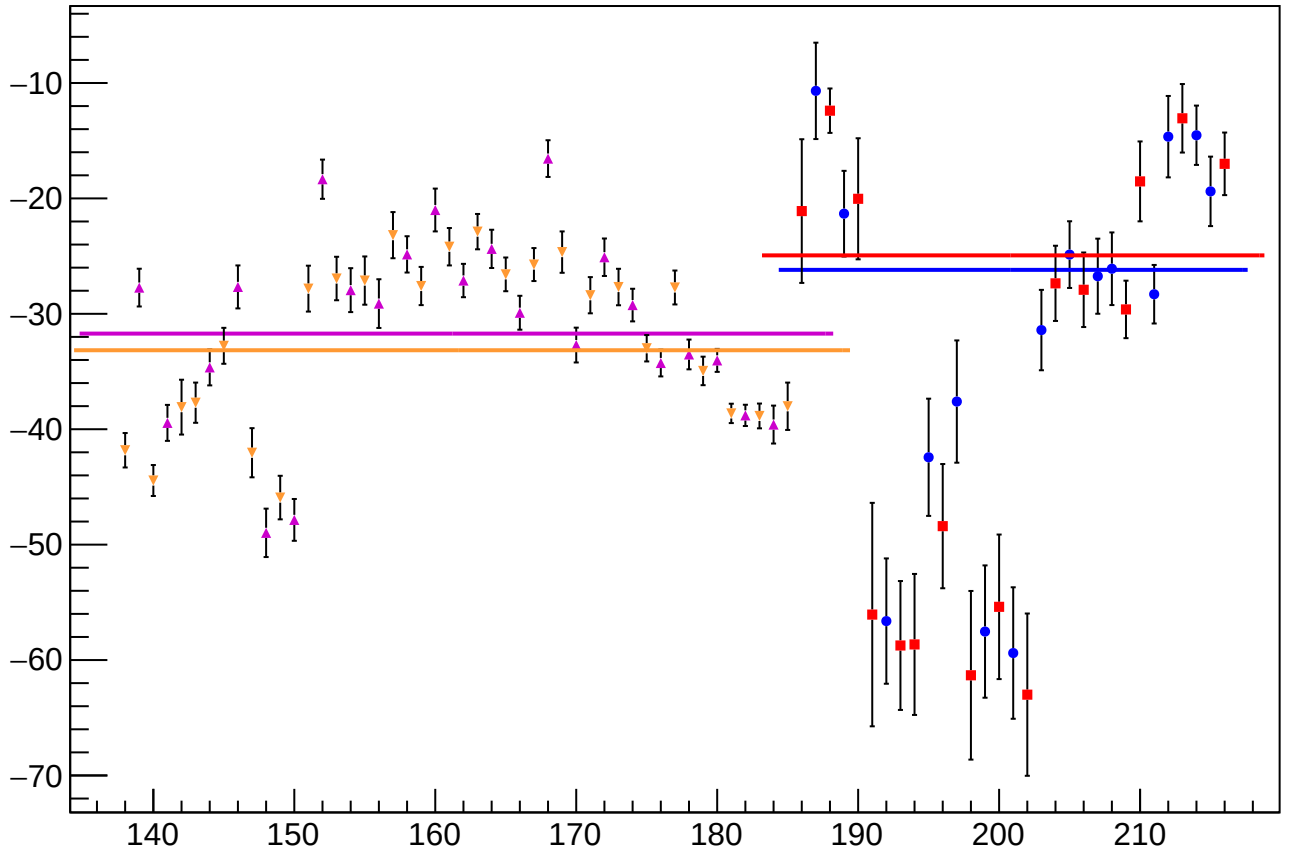
Left: 0.548+/-0.003 χ^2/NDF: 1200.9/47

Right: 0.396+/-0.014 χ^2/NDF: 5302.8/66

In: 0.540+/-0.004 χ^2/NDF:2826.9/54

Out: 0.546+/-0.004 χ^2/NDF:3794.4/59

All: 0.543+/-0.003 χ^2/NDF: 6622.7/114



Right In: -26.192+/-0.915 χ^2/NDF: 165.2/14

Left Out: -33.157+/-0.300 χ^2/NDF:500.1/24

Right Out: -24.936+/-0.919 χ^2/NDF: 250.8/15

Left In: -31.714+/-0.309 χ^2/NDF:542.3/22

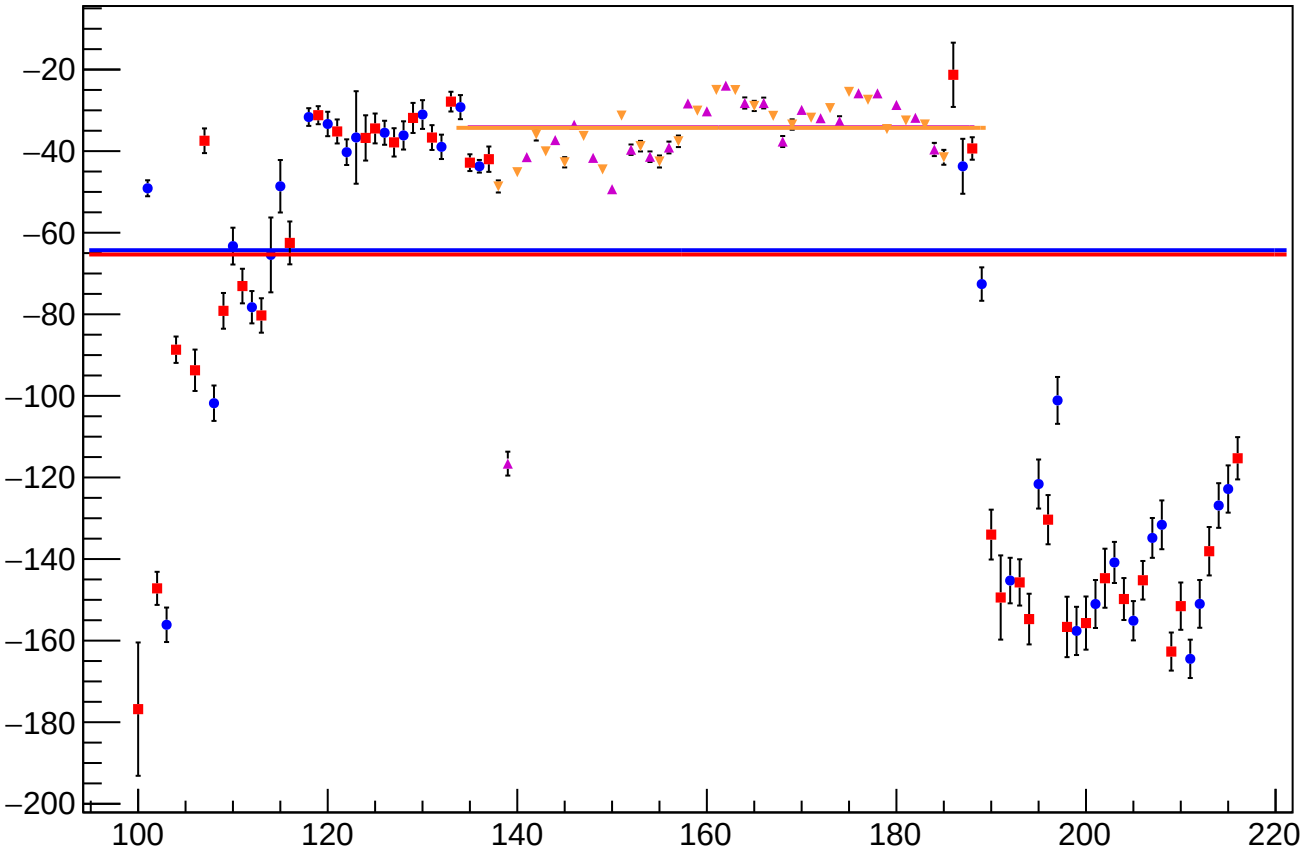
Left: -32.456+/-0.215 χ^2/NDF: 1053.6/47

Right: -25.567+/-0.648 χ^2/NDF: 417.0/30

In: -31.149+/-0.293 χ^2/NDF:740.2/37

Out: -32.363+/-0.285 χ^2/NDF:823.3/40

All: -31.772+/-0.204 χ^2/NDF: 1572.3/78



Right In: -64.293+/-0.646 χ^2/NDF: 4313.8/31

Left Out: -34.287+/-0.241 χ^2/NDF:695.3/24

Right Out: -65.338+/-0.665 χ^2/NDF: 4495.0/34

Left In: -34.145+/-0.251 χ^2/NDF:1452.6/22

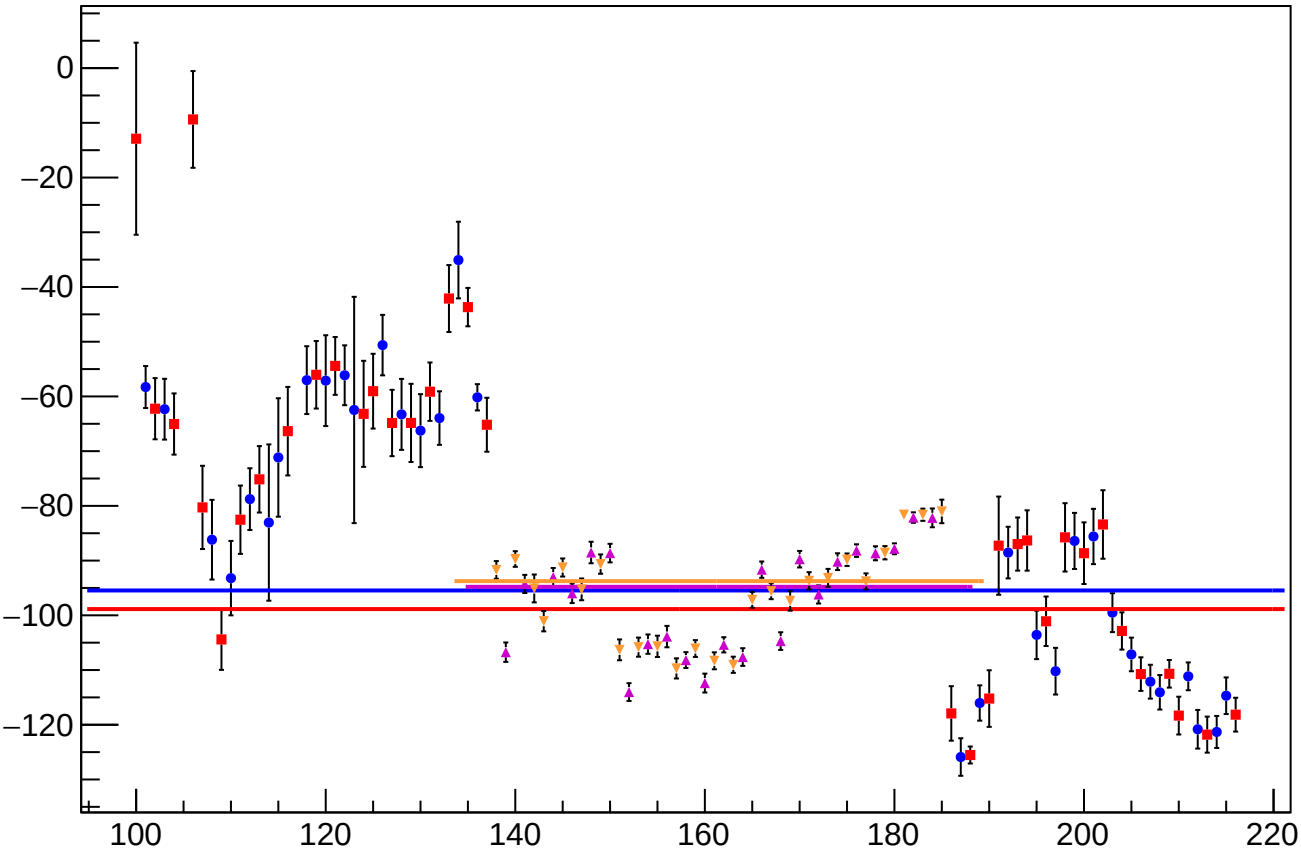
Left: -34.219+/-0.174 χ^2/NDF: 2148.1/47

Right: -64.801+/-0.463 χ^2/NDF: 8810.0/66

In: -38.090+/-0.234 χ^2/NDF:7656.8/54

Out: -37.908+/-0.227 χ^2/NDF:7118.9/59

All: -37.996+/-0.163 χ^2/NDF: 14776.0/114



Right In: -95.459+/-0.742 χ^2/NDF: 1125.2/31

Left Out: -93.754+/-0.302 χ^2/NDF:883.1/24

Right Out: -98.861+/-0.732 χ^2/NDF: 1412.2/34

Left In: -94.796+/-0.308 χ^2/NDF:974.7/22

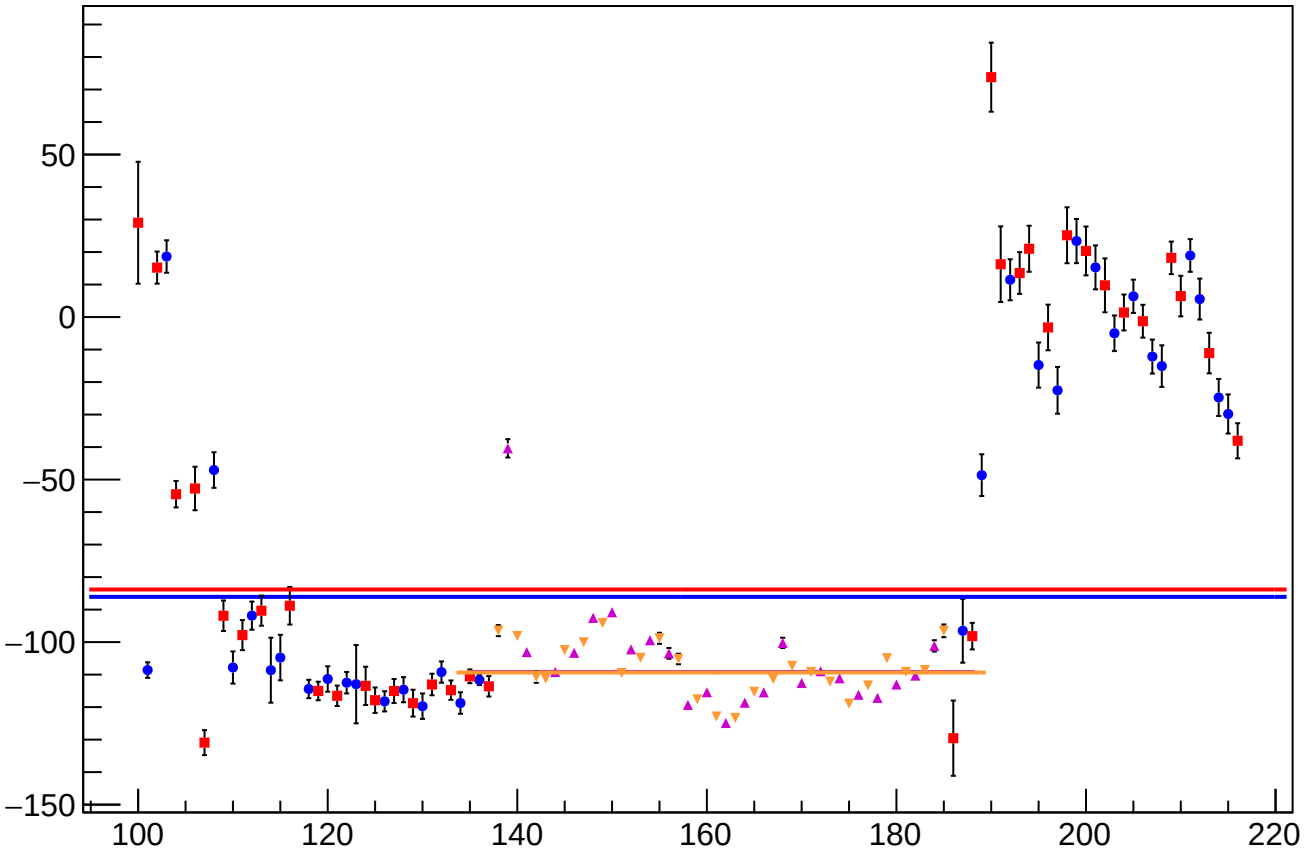
Left: -94.264+/-0.216 χ^2/NDF: 1863.6/47

Right: -97.183+/-0.521 χ^2/NDF: 2548.1/66

In: -94.894+/-0.285 χ^2/NDF:2100.6/54

Out: -94.496+/-0.279 χ^2/NDF:2336.8/59

All: -94.690+/-0.199 χ^2/NDF: 4438.5/114



Right In: -86.085+/-0.727 χ^2/NDF: 4137.8/31

Left Out: -109.351+/-0.271 χ^2/NDF:826.8/24

Right Out: -83.810+/-0.759 χ^2/NDF: 4307.1/34

Left In: -109.184+/-0.280 χ^2/NDF:1501.1/22

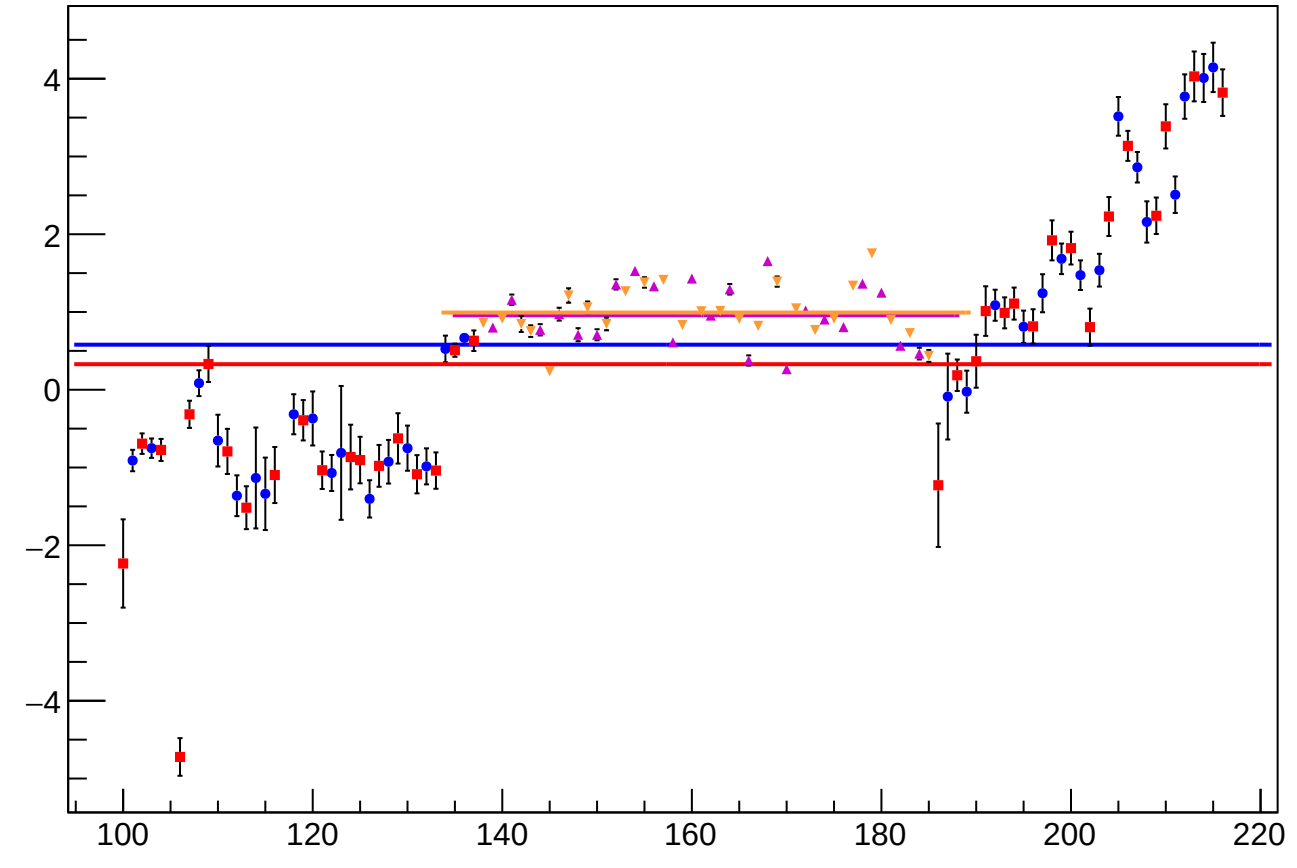
Left: -109.270+/-0.195 χ^2/NDF: 2328.1/47

Right: -84.997+/-0.525 χ^2/NDF: 8449.5/66

In: -106.201+/-0.261 χ^2/NDF:6518.3/54

Out: -106.460+/-0.255 χ^2/NDF:6137.8/59

All: -106.333+/-0.183 χ^2/NDF: 12656.6/114



Right In: 0.579+/-0.035 χ^2/NDF: 1418.2/31

Left Out: 0.993+/-0.012 χ^2/NDF:638.6/24

Right Out: 0.329+/-0.036 χ^2/NDF: 1691.4/34

Left In: 0.958+/-0.013 χ^2/NDF:894.5/22

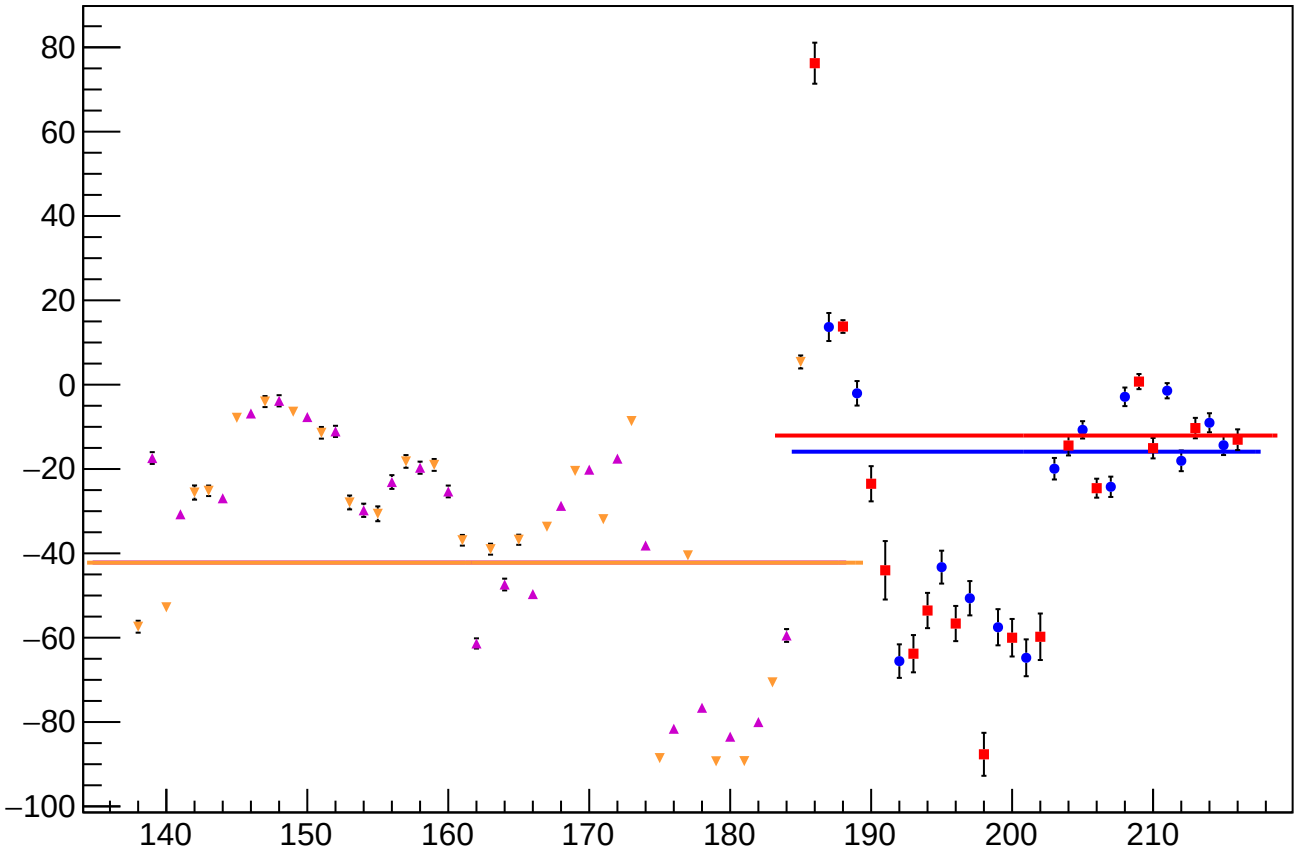
Left: 0.976+/-0.009 χ^2/NDF: 1537.0/47

Right: 0.458+/-0.025 χ^2/NDF: 3134.8/66

In: 0.914+/-0.012 χ^2/NDF:2417.0/54

Out: 0.922+/-0.012 χ^2/NDF:2636.9/59

All: 0.918+/-0.008 χ^2/NDF: 5054.1/114



Right In: -15.893+/-0.686 χ^2/NDF: 729.2/14

Left Out: -42.213+/-0.222 χ^2/NDF:18309.1/24

Right Out: -12.062+/-0.700 χ^2/NDF: 1497.4/15

Left In: -42.176+/-0.227 χ^2/NDF:14575.9/22

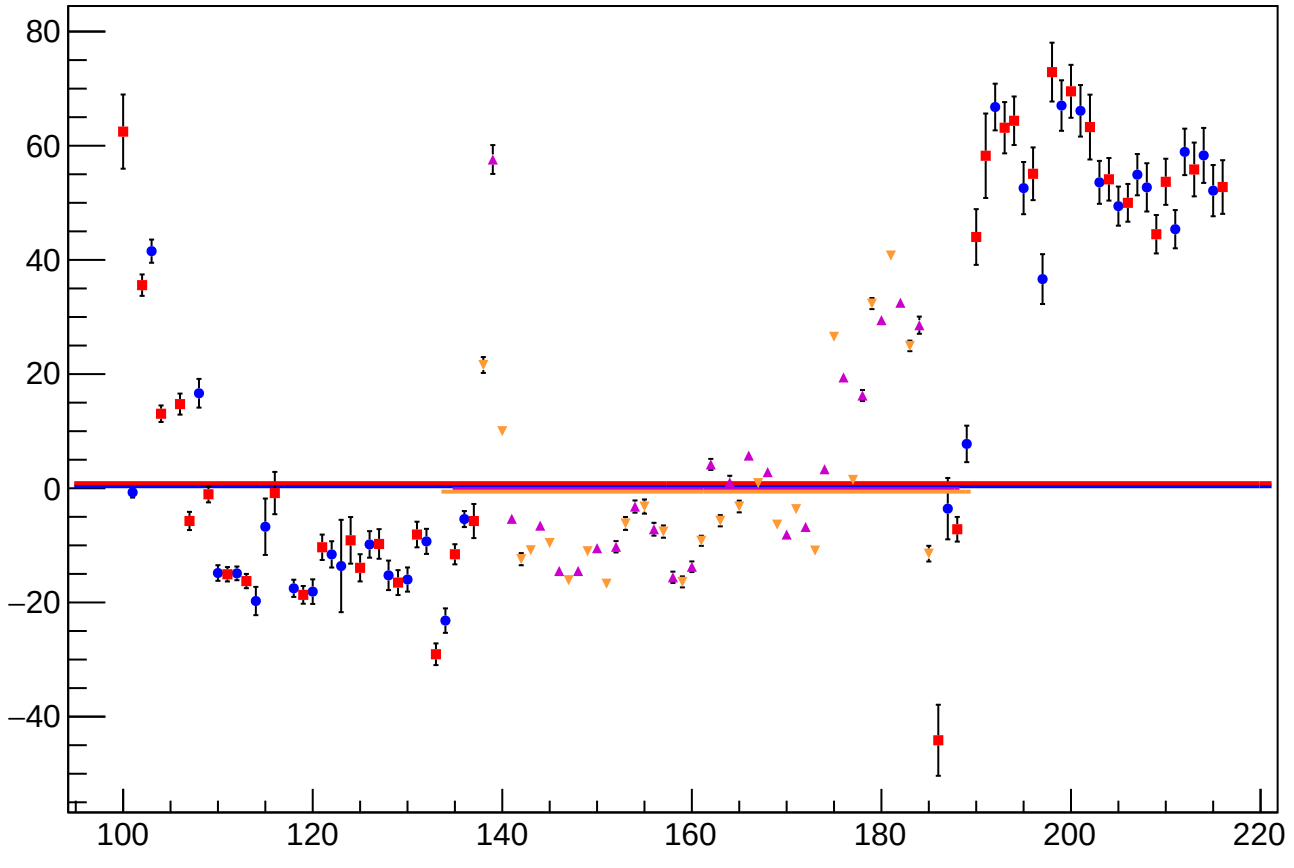
Left: -42.195+/-0.159 χ^2/NDF: 32885.0/47

Right: -14.015+/-0.490 χ^2/NDF: 2241.8/30

In: -39.580+/-0.216 χ^2/NDF:16628.2/37

Out: -39.454+/-0.212 χ^2/NDF:21493.9/40

All: -39.516+/-0.151 χ^2/NDF: 38122.3/78



Right In: 0.360+/-0.398 χ^2/NDF: 3684.6/31

Left Out: -0.590+/-0.174 χ^2/NDF:8750.9/24

Right Out: 0.897+/-0.395 χ^2/NDF: 3866.1/34

Left In: -0.142+/-0.179 χ^2/NDF:6862.5/22

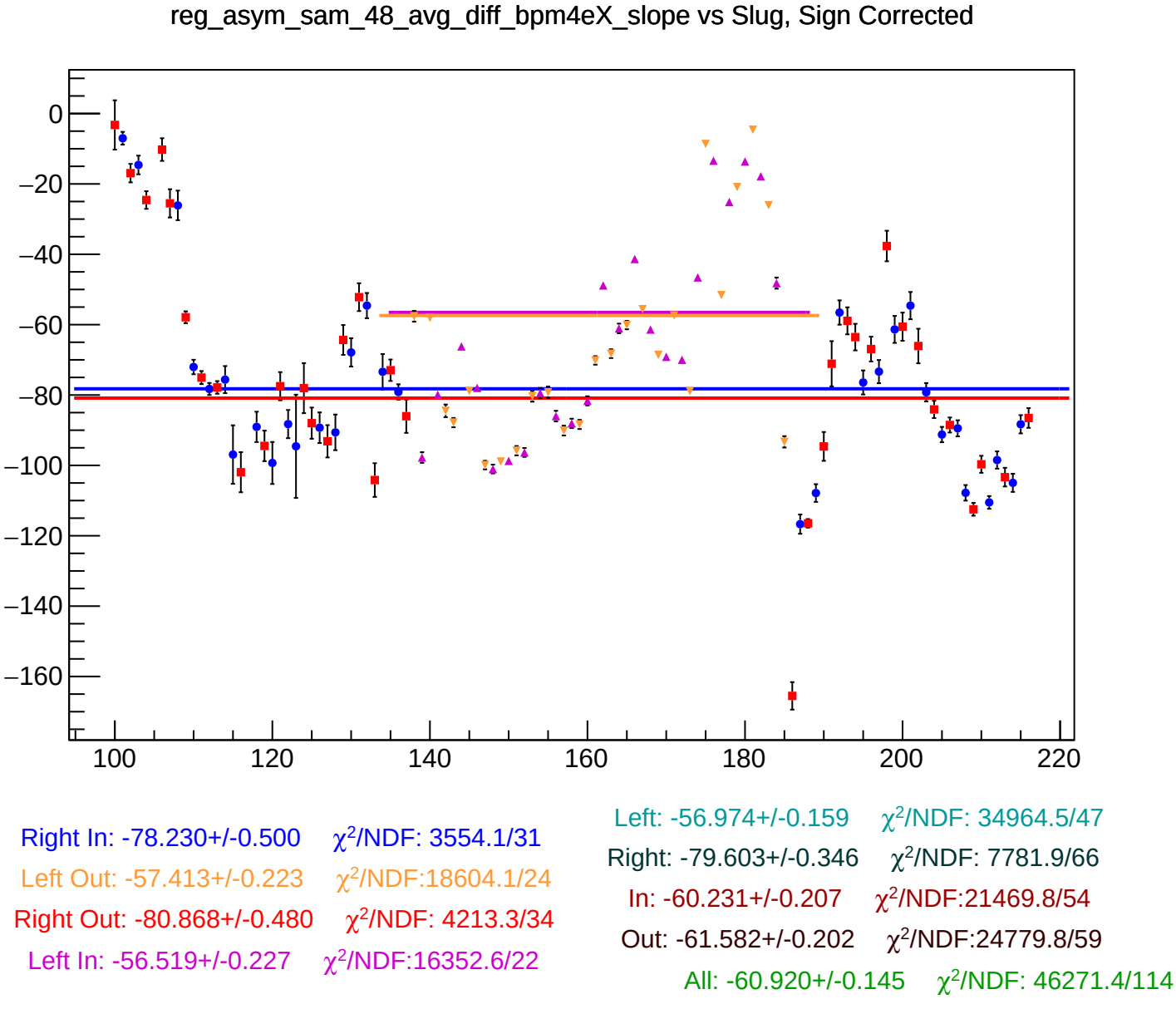
Left: -0.372+/-0.125 χ^2/NDF: 15616.6/47

Right: 0.630+/-0.280 χ^2/NDF: 7551.6/66

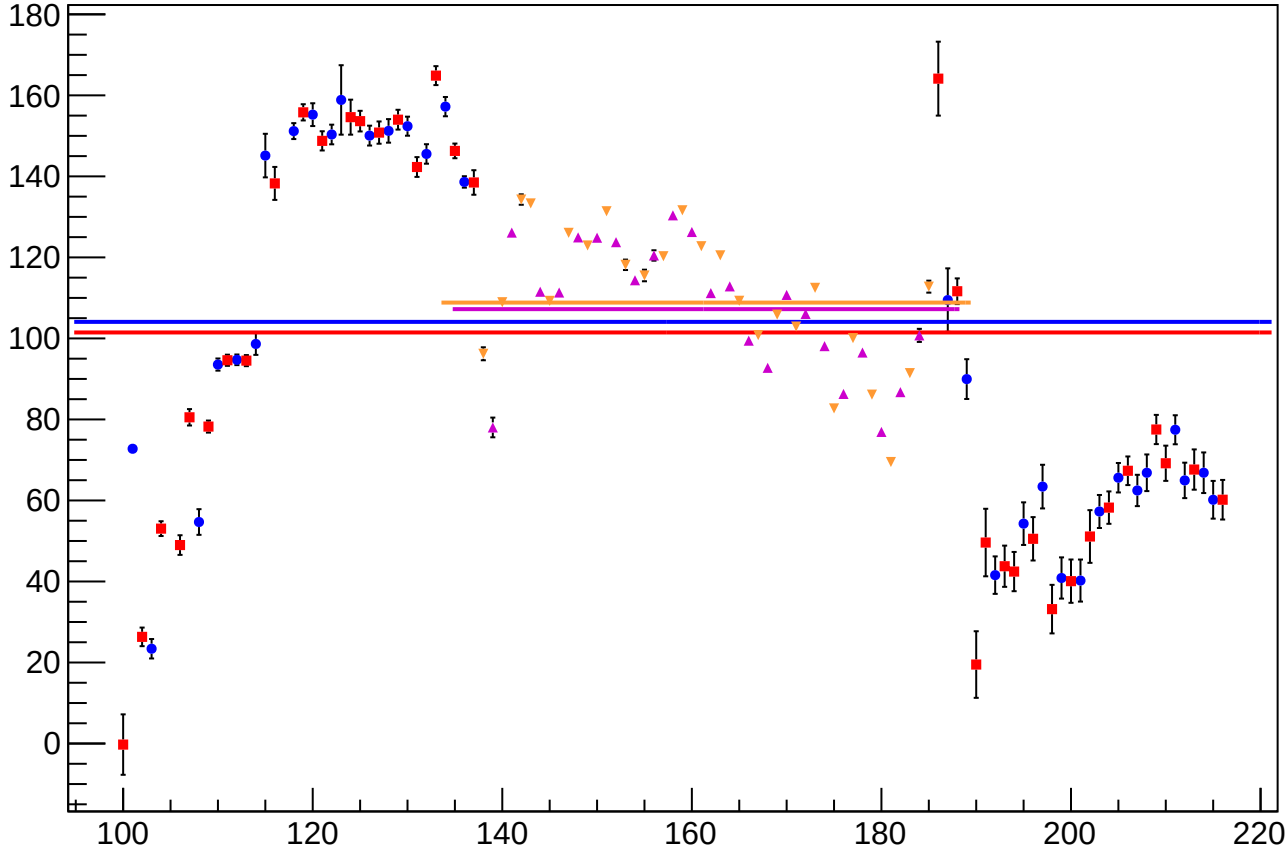
In: -0.057+/-0.163 χ^2/NDF:10548.4/54

Out: -0.348+/-0.159 χ^2/NDF:12628.8/59

All: -0.206+/-0.114 χ^2/NDF: 23178.8/114


reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
220
Right In: -78.230+/-0.500 χ²/NDF: 3554.1/31
Left Out: -57.413+/-0.223 χ²/NDF:18604.1/24
Right Out: -80.868+/-0.480 χ²/NDF: 4213.3/34
Left In: -56.519+/-0.227 χ²/NDF:16352.6/22
Left: -56.974+/-0.159 χ²/NDF: 34964.5/47
Right: -79.603+/-0.346 χ²/NDF: 7781.9/66
In: -60.231+/-0.207 χ²/NDF:21469.8/54
Out: -61.582+/-0.202 χ²/NDF:24779.8/59
All: -60.920+/-0.145 χ²/NDF: 46271.4/114

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 104.084+/-0.452 χ^2/NDF: 7421.9/31

Left Out: 108.846+/-0.197 χ^2/NDF:7400.2/24

Right Out: 101.470+/-0.452 χ^2/NDF: 8492.9/34

Left In: 107.225+/-0.202 χ^2/NDF:5565.3/22

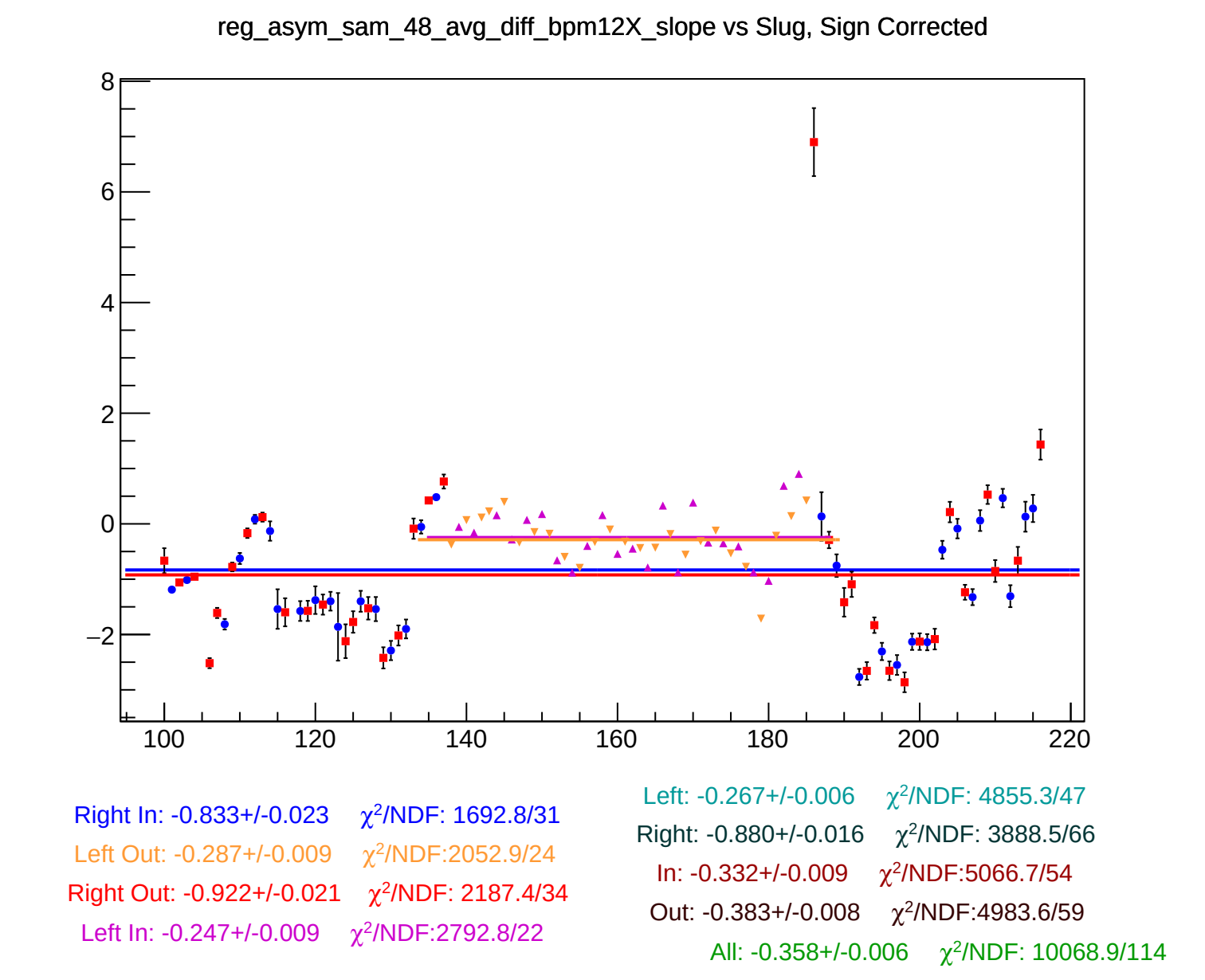
Left: 108.056+/-0.141 χ^2/NDF: 12998.4/47

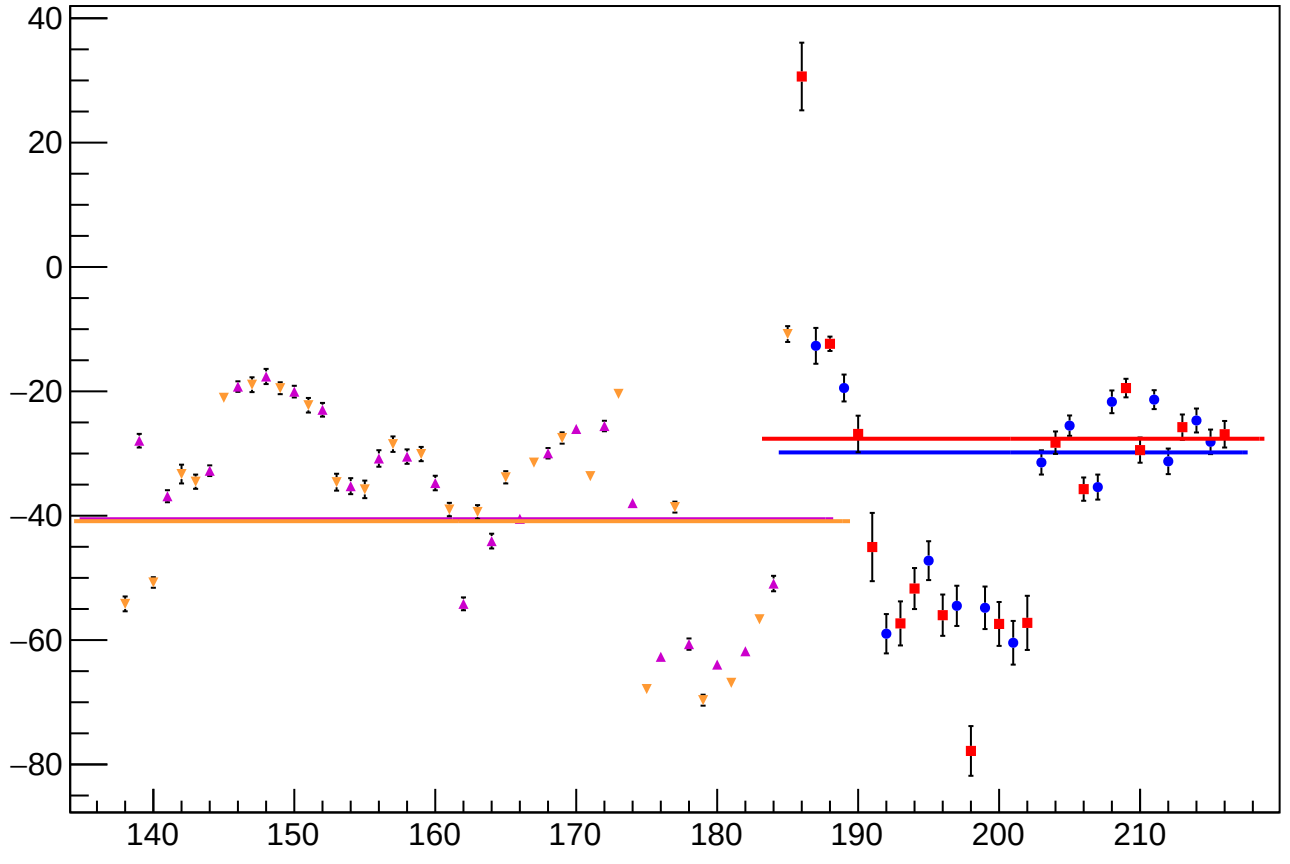
Right: 102.776+/-0.320 χ^2/NDF: 15931.4/66

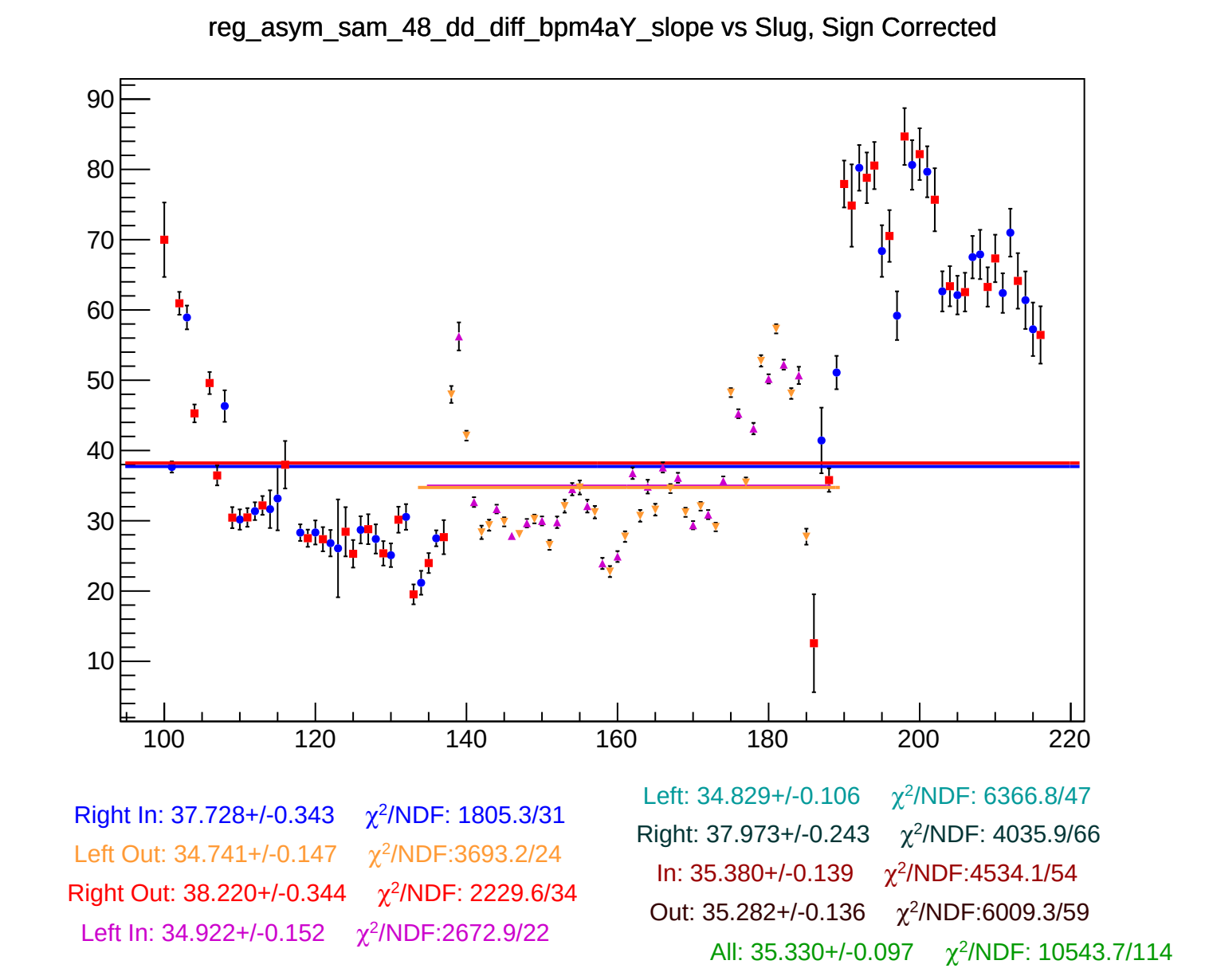
In: 106.701+/-0.185 χ^2/NDF:13027.3/54

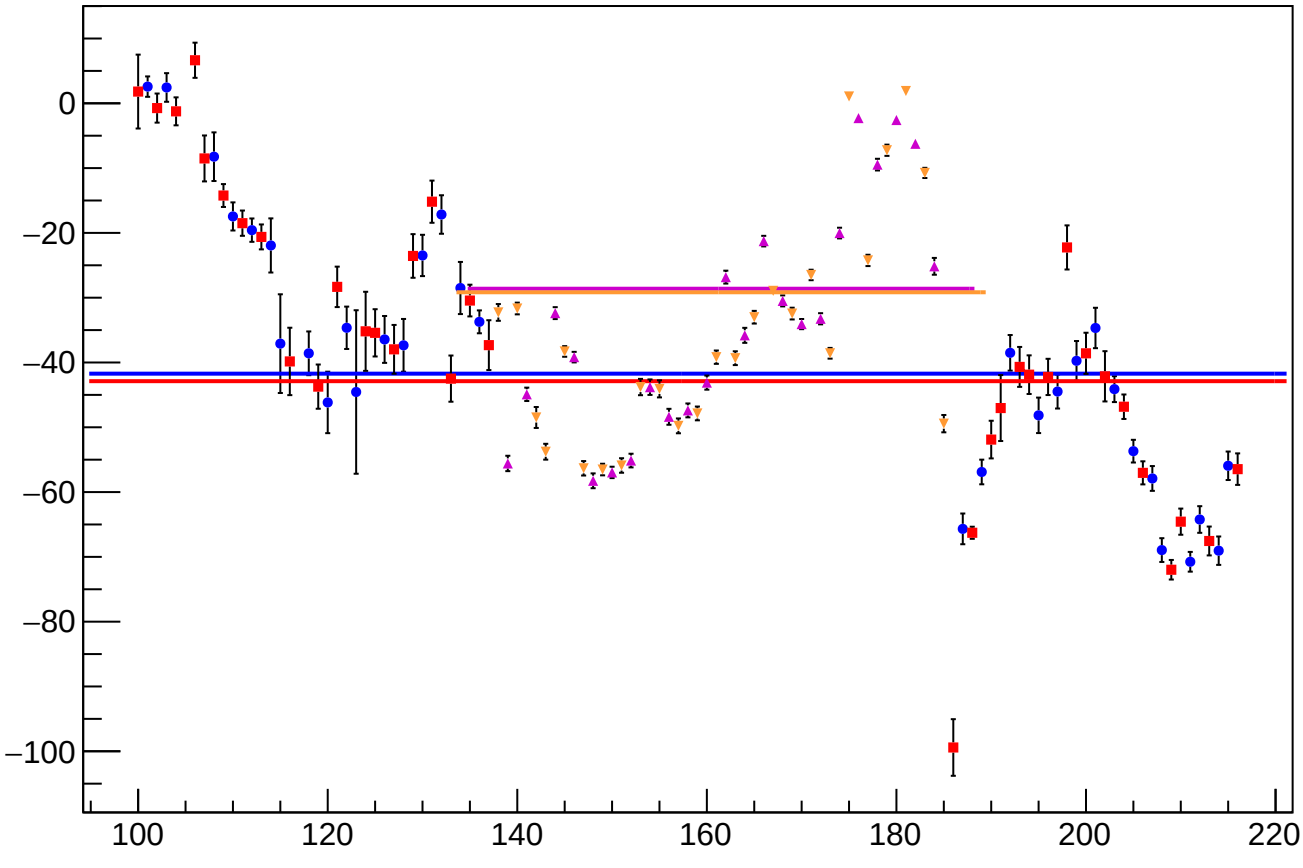
Out: 107.666+/-0.181 χ^2/NDF:16116.7/59

All: 107.194+/-0.129 χ^2/NDF: 29157.9/114


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.833+/-0.023 χ²/NDF: 1692.8/31
Left Out: -0.287+/-0.009 χ²/NDF:2052.9/24
Right Out: -0.922+/-0.021 χ²/NDF: 2187.4/34
Left In: -0.247+/-0.009 χ²/NDF:2792.8/22
Left: -0.267+/-0.006 χ²/NDF: 4855.3/47
Right: -0.880+/-0.016 χ²/NDF: 3888.5/66
In: -0.332+/-0.009 χ²/NDF:5066.7/54
Out: -0.383+/-0.008 χ²/NDF:4983.6/59
All: -0.358+/-0.006 χ²/NDF: 10068.9/114


reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
140
150
160
170
180
190
200
210
Right In: -29.822+/-0.561 χ²/NDF: 436.5/14
Left Out: -40.880+/-0.186 χ²/NDF:9123.2/24
Right Out: -27.621+/-0.565 χ²/NDF: 821.7/15
Left In: -40.567+/-0.190 χ²/NDF:6954.7/22
Left: -40.726+/-0.133 χ²/NDF: 16079.4/47
Right: -28.729+/-0.398 χ²/NDF: 1265.8/30
In: -39.463+/-0.180 χ²/NDF:7720.3/37
Out: -39.581+/-0.177 χ²/NDF:10442.0/40
All: -39.523+/-0.126 χ²/NDF: 18162.5/78


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 37.728+/-0.343 χ²/NDF: 1805.3/31
Left Out: 34.741+/-0.147 χ²/NDF:3693.2/24
Right Out: 38.220+/-0.344 χ²/NDF: 2229.6/34
Left In: 34.922+/-0.152 χ²/NDF:2672.9/22
Left: 34.829+/-0.106 χ²/NDF: 6366.8/47
Right: 37.973+/-0.243 χ²/NDF: 4035.9/66
In: 35.380+/-0.139 χ²/NDF:4534.1/54
Out: 35.282+/-0.136 χ²/NDF:6009.3/59
All: 35.330+/-0.097 χ²/NDF: 10543.7/114



Right In: -41.724+/-0.425 χ^2/NDF: 2912.3/31

Left Out: -29.163+/-0.187 χ^2/NDF:10126.0/24

Right Out: -42.884+/-0.408 χ^2/NDF: 3481.6/34

Left In: -28.616+/-0.190 χ^2/NDF:9040.9/22

Left: -28.894+/-0.133 χ^2/NDF: 19171.1/47

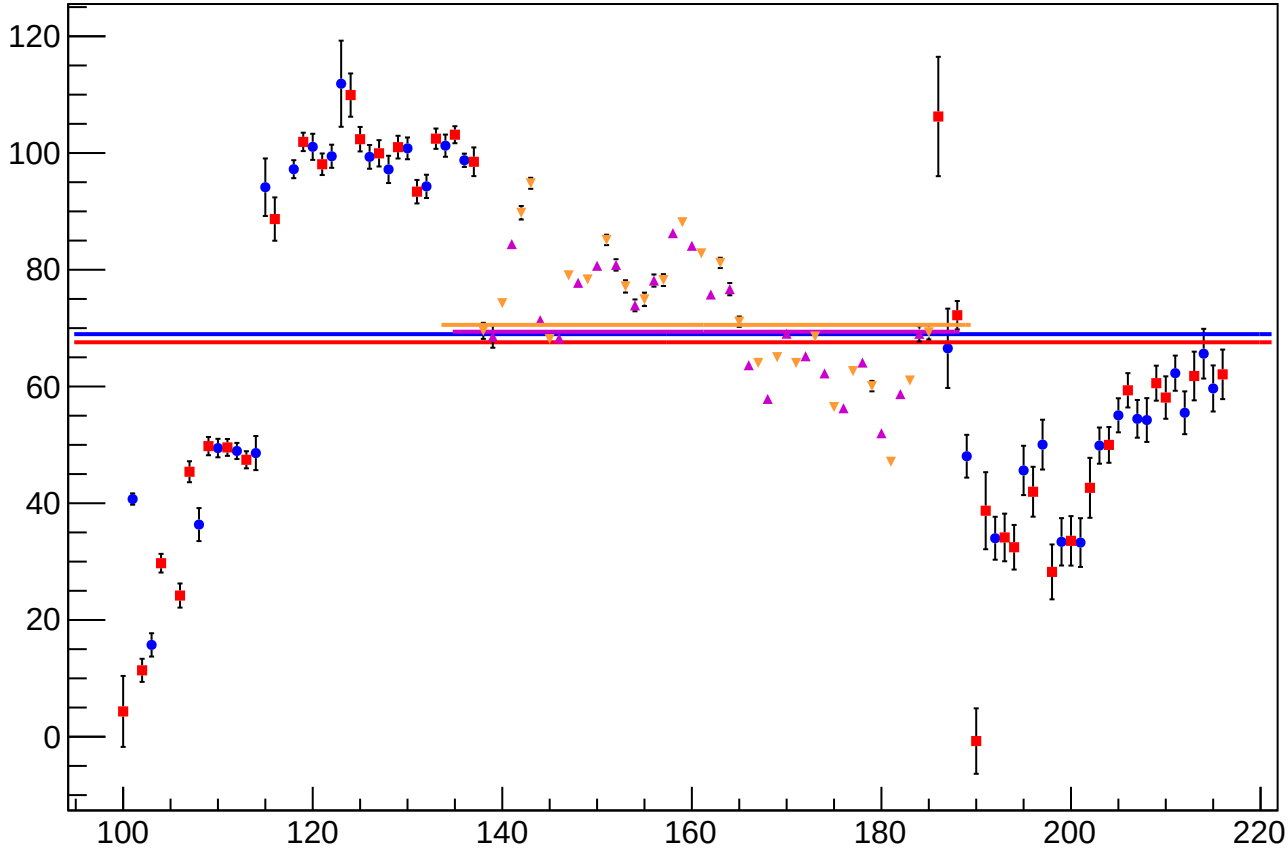
Right: -42.327+/-0.294 χ^2/NDF: 6397.7/66

In: -30.798+/-0.173 χ^2/NDF:12746.9/54

Out: -31.546+/-0.170 χ^2/NDF:14542.5/59

All: -31.179+/-0.121 χ^2/NDF: 27298.9/114

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 68.970+/-0.391 χ^2/NDF: 5185.4/31

Left Out: 70.563+/-0.166 χ^2/NDF:4589.1/24

Right Out: 67.577+/-0.396 χ^2/NDF: 6136.9/34

Left In: 69.387+/-0.170 χ^2/NDF:3321.8/22

Left: 69.989+/-0.119 χ^2/NDF: 7935.4/47

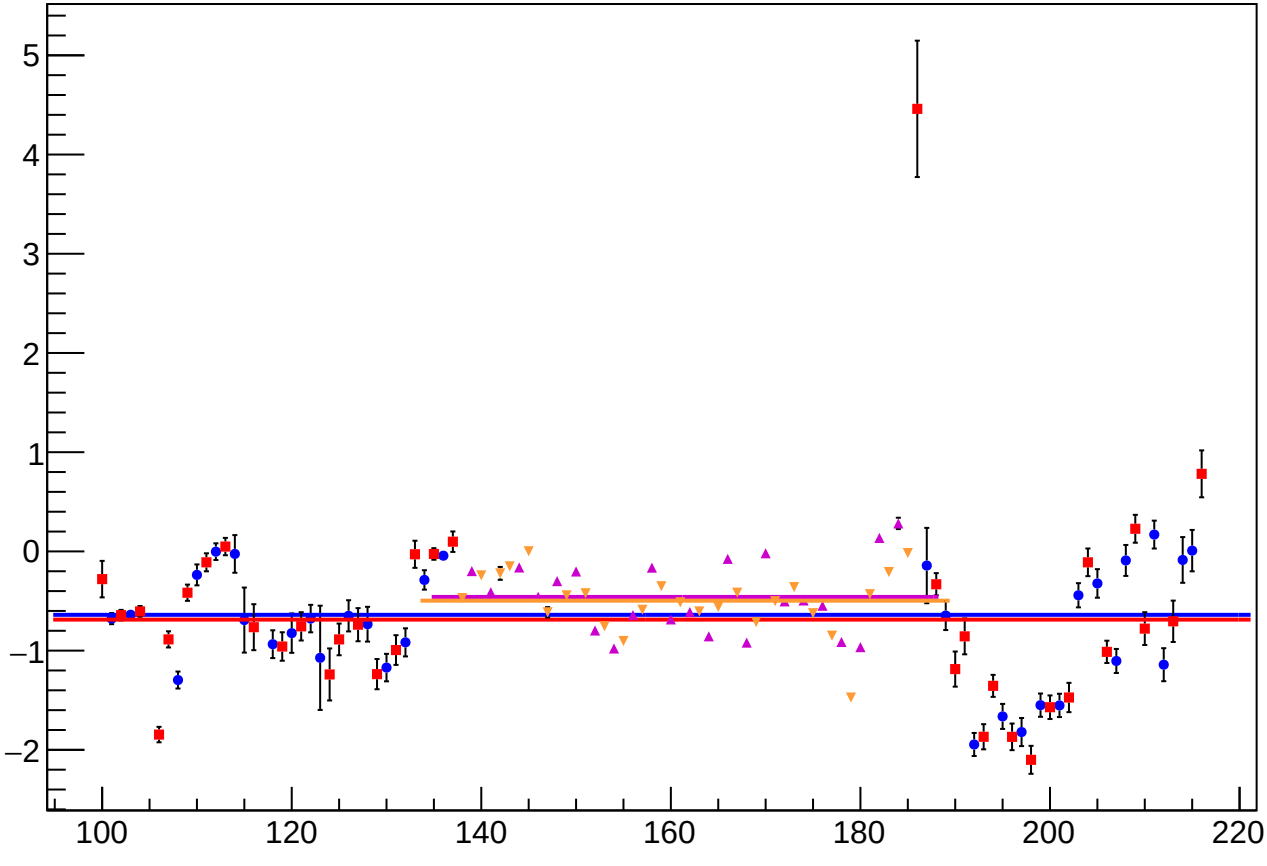
Right: 68.280+/-0.278 χ^2/NDF: 11328.5/66

In: 69.321+/-0.156 χ^2/NDF:8508.2/54

Out: 70.115+/-0.153 χ^2/NDF:10774.5/59

All: 69.725+/-0.109 χ^2/NDF: 19295.8/114

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.639+/-0.019 χ^2/NDF: 818.1/31

Left Out: -0.497+/-0.008 χ^2/NDF:1449.3/24

Right Out: -0.687+/-0.018 χ^2/NDF: 1160.7/34

Left In: -0.459+/-0.008 χ^2/NDF:1958.4/22

Left: -0.478+/-0.005 χ^2/NDF: 3419.9/47

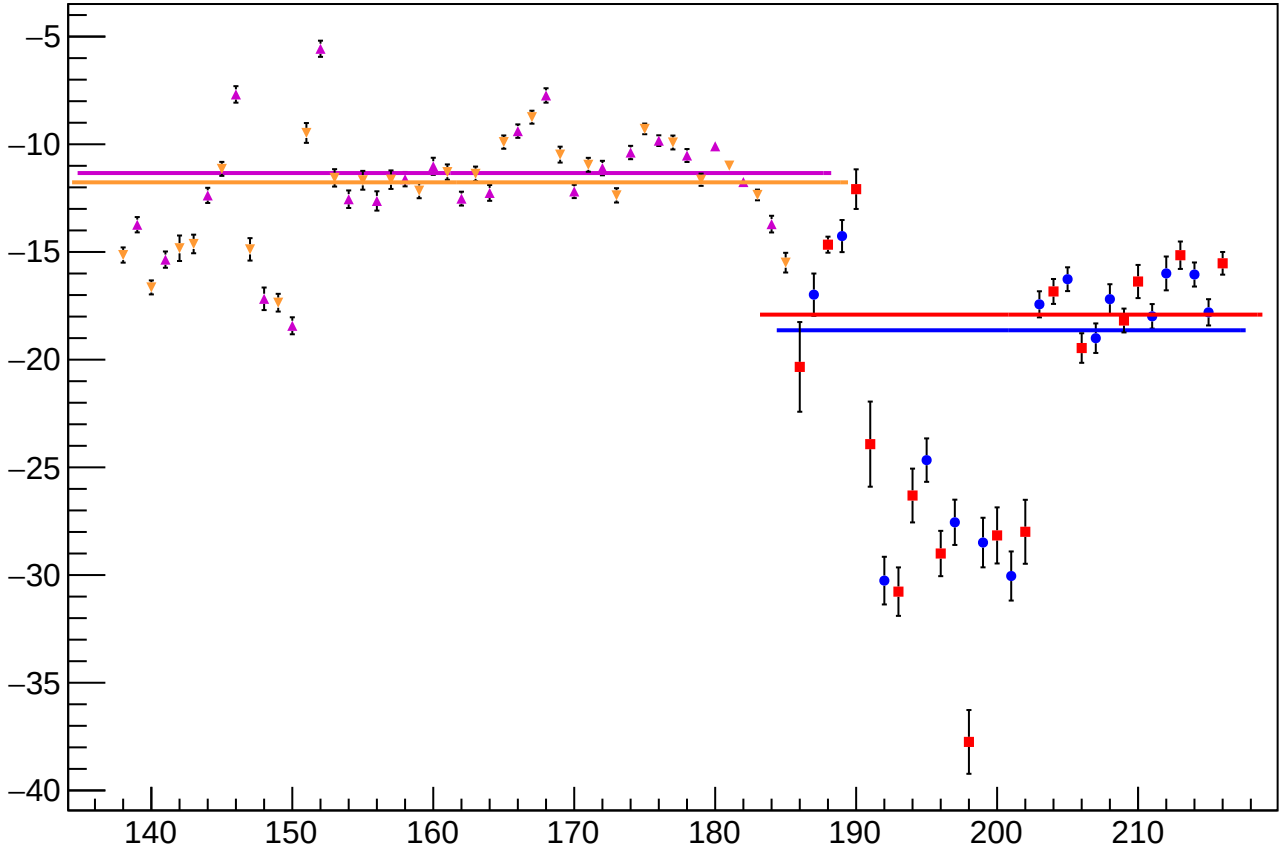
Right: -0.664+/-0.013 χ^2/NDF: 1982.1/66

In: -0.484+/-0.007 χ^2/NDF:2853.1/54

Out: -0.524+/-0.007 χ^2/NDF:2701.6/59

All: -0.505+/-0.005 χ^2/NDF: 5570.7/114

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -18.636+/-0.189 χ^2/NDF: 491.7/14

Left Out: -11.767+/-0.067 χ^2/NDF:1020.8/24

Right Out: -17.909+/-0.186 χ^2/NDF: 753.6/15

Left In: -11.336+/-0.068 χ^2/NDF:1269.3/22

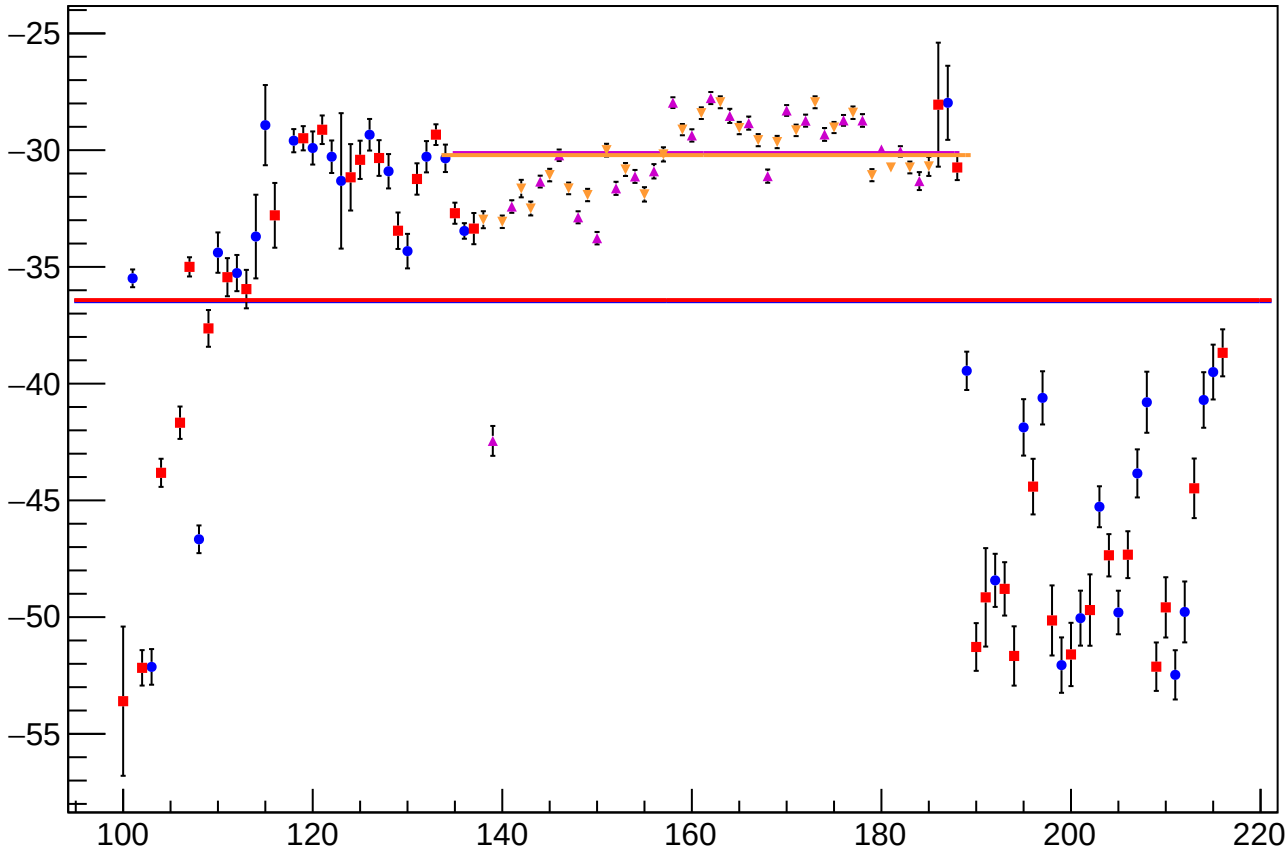
Left: -11.556+/-0.048 χ^2/NDF: 2310.6/47

Right: -18.266+/-0.133 χ^2/NDF: 1252.8/30

In: -12.170+/-0.064 χ^2/NDF:3076.9/37

Out: -12.465+/-0.063 χ^2/NDF:2739.1/40

All: -12.321+/-0.045 χ^2/NDF: 5826.9/78



Right In: -36.468+/-0.134 χ^2/NDF: 2775.0/31

Left Out: -30.212+/-0.054 χ^2/NDF:734.0/24

Right Out: -36.421+/-0.132 χ^2/NDF: 3161.8/34

Left In: -30.124+/-0.056 χ^2/NDF:1226.2/22

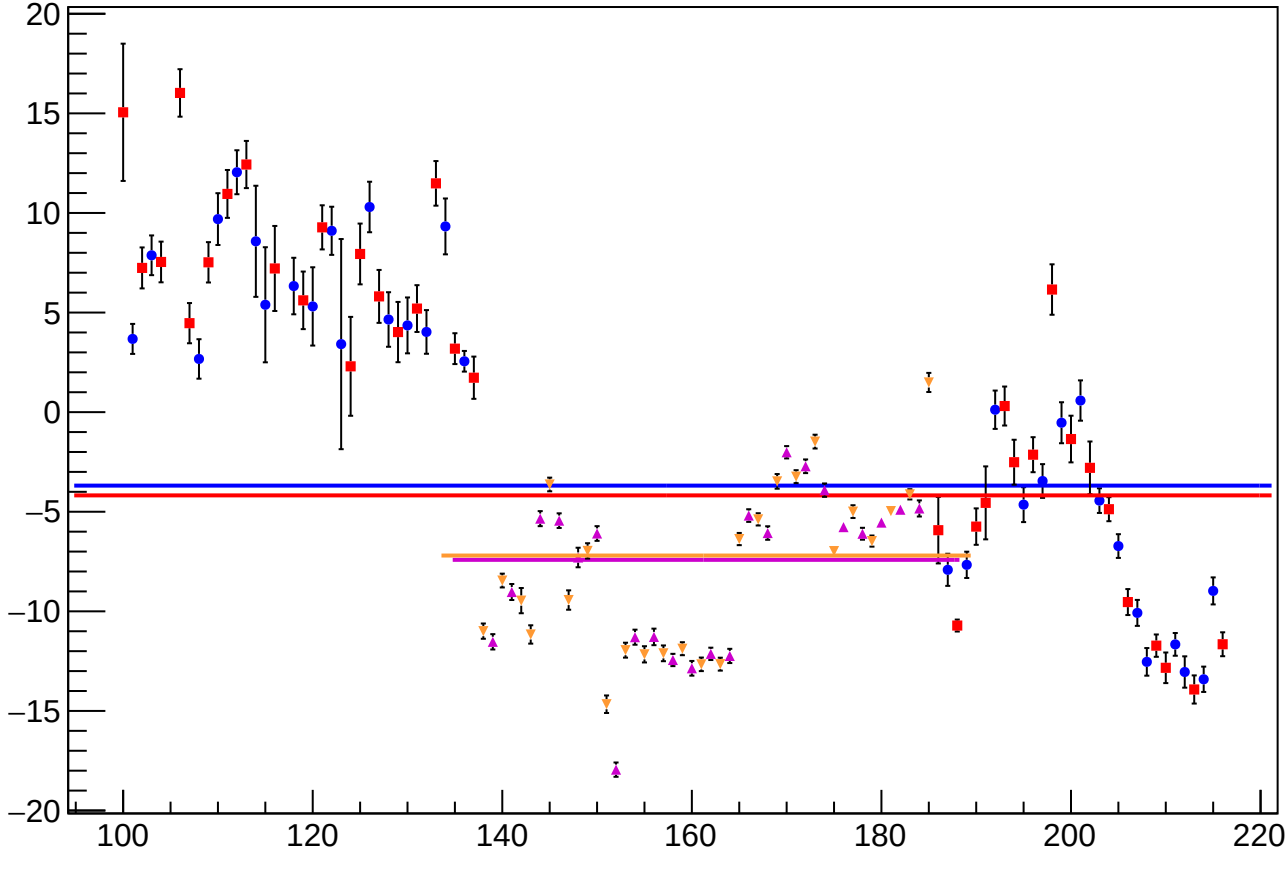
Left: -30.169+/-0.039 χ^2/NDF: 1961.5/47

Right: -36.444+/-0.094 χ^2/NDF: 5936.9/66

In: -31.054+/-0.051 χ^2/NDF:5915.9/54

Out: -31.099+/-0.050 χ^2/NDF:5794.5/59

All: -31.077+/-0.036 χ^2/NDF: 11710.8/114



Right In: -3.688+/-0.154 χ^2/NDF: 2291.9/31

Left Out: -7.199+/-0.067 χ^2/NDF:3037.3/24

Right Out: -4.179+/-0.147 χ^2/NDF: 3195.7/34

Left In: -7.415+/-0.068 χ^2/NDF:3123.3/22

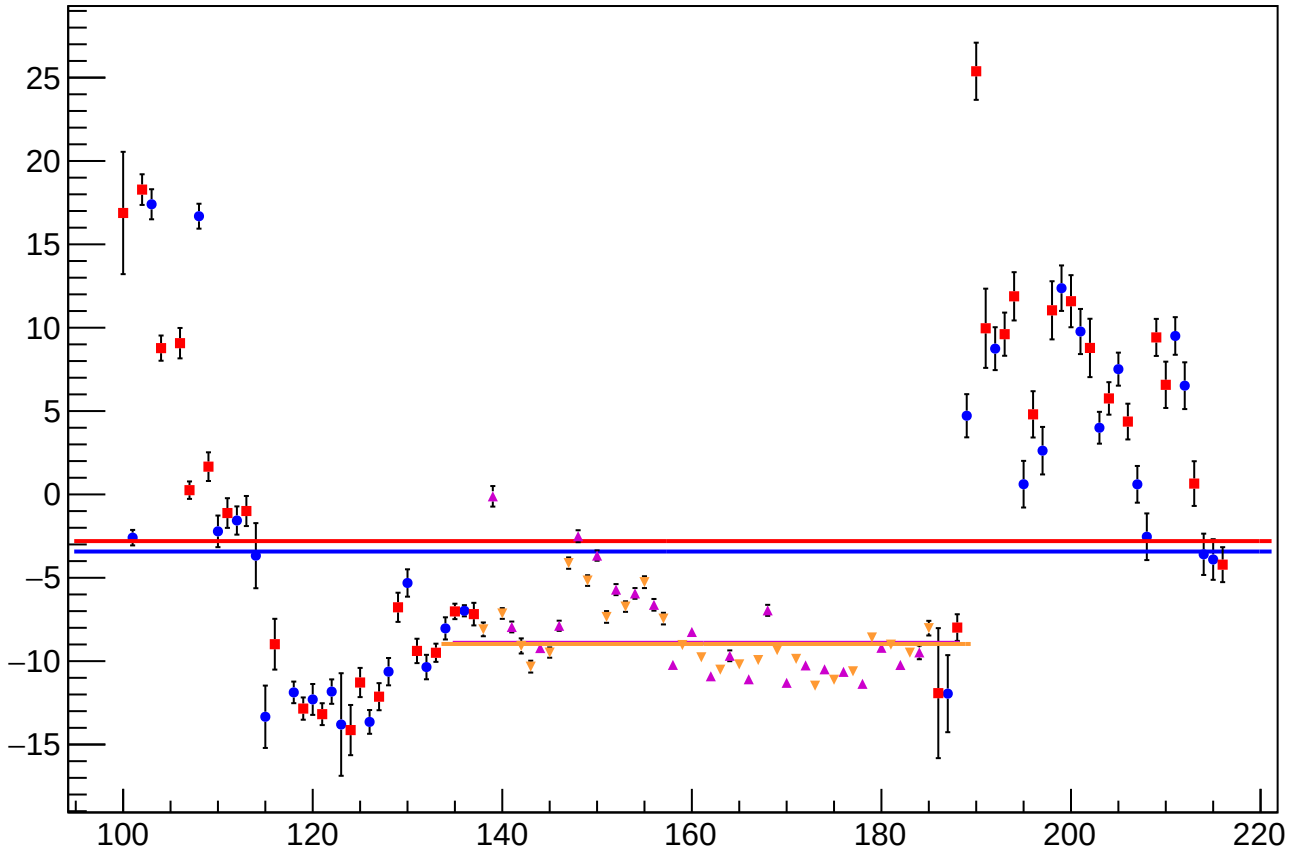
Left: -7.305+/-0.048 χ^2/NDF: 6165.7/47

Right: -3.944+/-0.106 χ^2/NDF: 5493.0/66

In: -6.806+/-0.062 χ^2/NDF:5907.6/54

Out: -6.684+/-0.061 χ^2/NDF:6580.9/59

All: -6.744+/-0.043 χ^2/NDF: 12490.5/114



Right In: -3.425+/-0.151 χ^2/NDF: 3013.5/31

Left Out: -8.970+/-0.060 χ^2/NDF:878.8/24

Right Out: -2.800+/-0.153 χ^2/NDF: 3239.0/34

Left In: -8.900+/-0.062 χ^2/NDF:1533.9/22

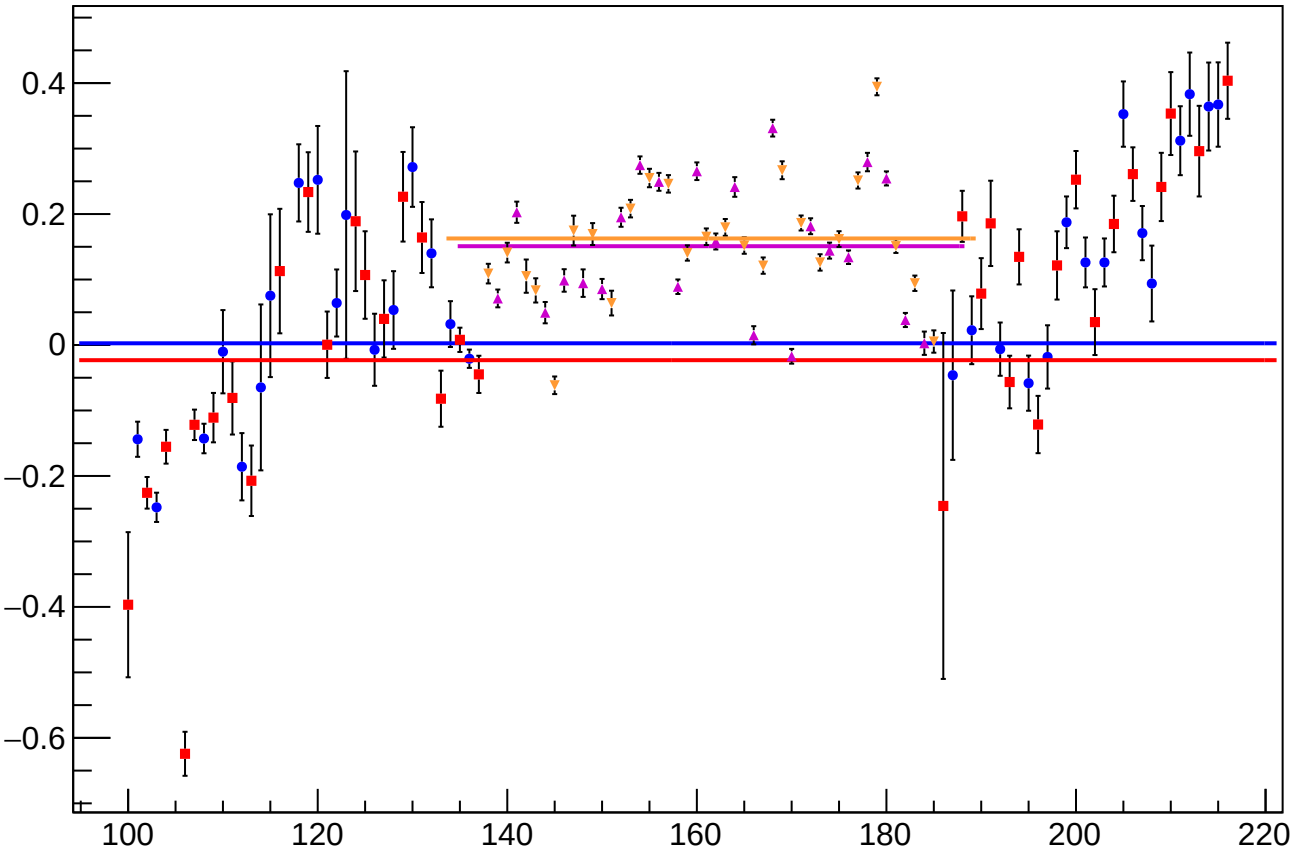
Left: -8.936+/-0.043 χ^2/NDF: 2413.4/47

Right: -3.115+/-0.107 χ^2/NDF: 6261.0/66

In: -8.120+/-0.057 χ^2/NDF:5671.4/54

Out: -8.141+/-0.056 χ^2/NDF:5530.7/59

All: -8.131+/-0.040 χ^2/NDF: 11202.1/114



Right In: 0.003+/-0.007 χ^2/NDF: 516.7/31

Left Out: 0.163+/-0.003 χ^2/NDF:1018.1/24

Right Out: -0.023+/-0.007 χ^2/NDF: 846.1/34

Left In: 0.151+/-0.003 χ^2/NDF:1286.5/22

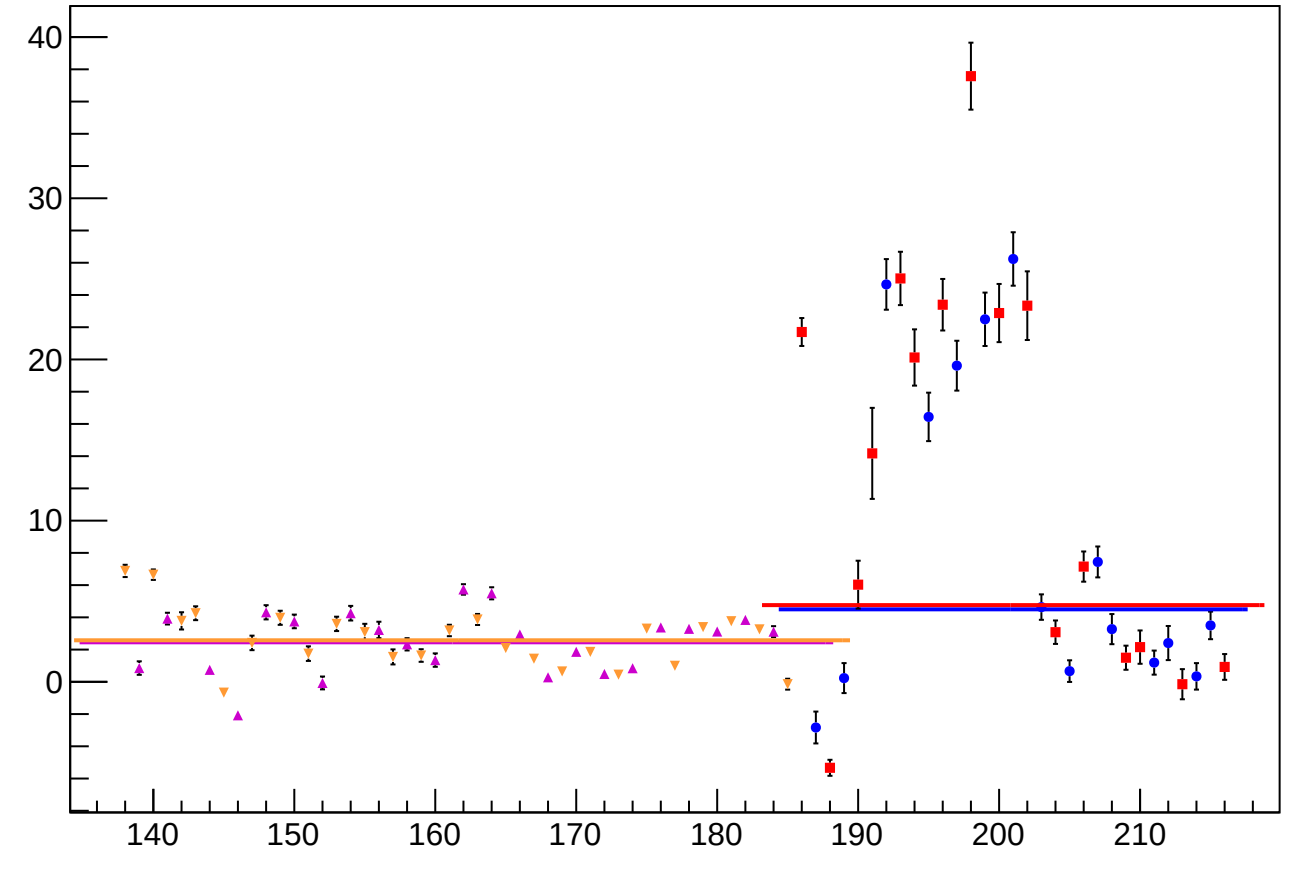
Left: 0.157+/-0.002 χ^2/NDF: 2313.9/47

Right: -0.010+/-0.005 χ^2/NDF: 1369.7/66

In: 0.131+/-0.003 χ^2/NDF:2194.6/54

Out: 0.138+/-0.003 χ^2/NDF:2479.3/59

All: 0.134+/-0.002 χ^2/NDF: 4678.1/114



Right In: 4.498+/-0.252 χ^2/NDF: 783.5/14

Left Out: 2.577+/-0.058 χ^2/NDF:867.5/24

Right Out: 4.759+/-0.248 χ^2/NDF: 1685.3/15

Left In: 2.452+/-0.059 χ^2/NDF:871.3/22

Left: 2.516+/-0.042 χ^2/NDF: 1741.0/47

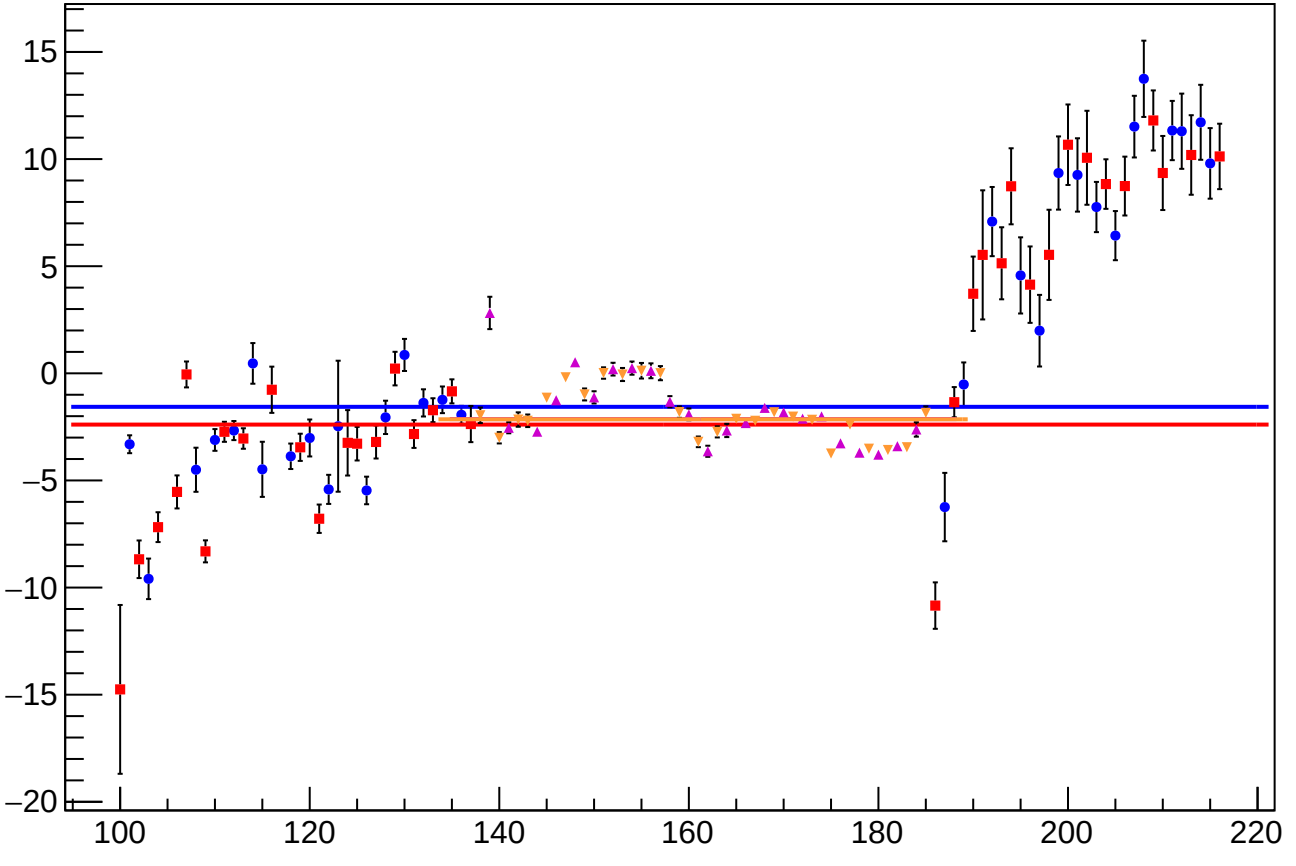
Right: 4.630+/-0.177 χ^2/NDF: 2469.4/30

In: 2.560+/-0.058 χ^2/NDF:1717.2/37

Out: 2.691+/-0.057 χ^2/NDF:2626.3/40

All: 2.627+/-0.040 χ^2/NDF: 4346.1/78

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.564+/-0.144 χ^2/NDF: 871.6/31

Left Out: -2.146+/-0.048 χ^2/NDF:573.4/24

Right Out: -2.393+/-0.142 χ^2/NDF: 1018.9/34

Left In: -2.136+/-0.048 χ^2/NDF:691.2/22

Left: -2.141+/-0.034 χ^2/NDF: 1264.6/47

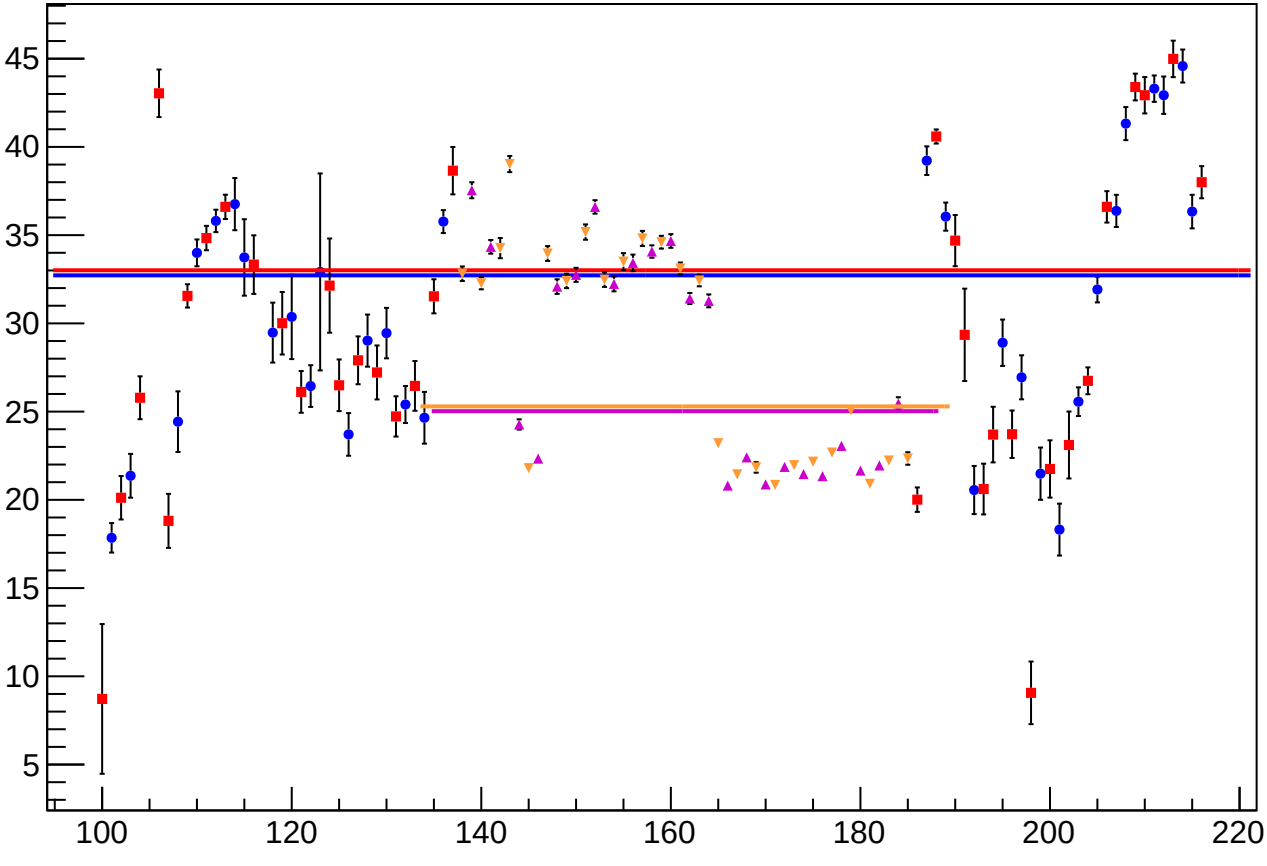
Right: -1.983+/-0.101 χ^2/NDF: 1907.3/66

In: -2.078+/-0.046 χ^2/NDF:1577.1/54

Out: -2.171+/-0.045 χ^2/NDF:1595.0/59

All: -2.125+/-0.032 χ^2/NDF: 3174.2/114

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 32.721+/-0.181 χ^2/NDF: 1650.9/31

Left Out: 25.296+/-0.059 χ^2/NDF:8272.3/24

Right Out: 33.009+/-0.172 χ^2/NDF: 2194.6/34

Left In: 25.025+/-0.060 χ^2/NDF:7610.5/22

Left: 25.162+/-0.042 χ^2/NDF: 15893.3/47

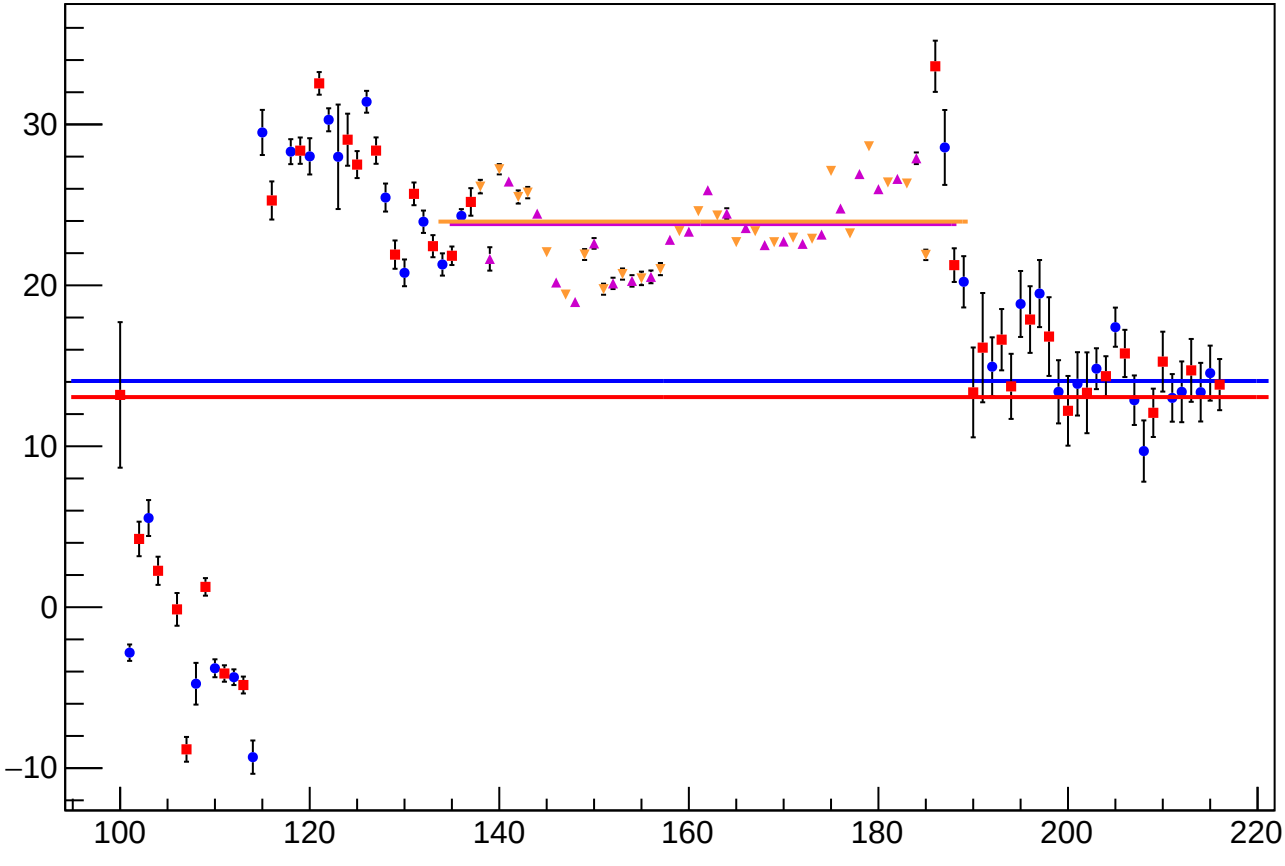
Right: 32.873+/-0.125 χ^2/NDF: 3846.8/66

In: 25.775+/-0.057 χ^2/NDF:10885.0/54

Out: 26.107+/-0.056 χ^2/NDF:12272.7/59

All: 25.943+/-0.040 χ^2/NDF: 23175.2/114

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.057+/-0.161 χ^2/NDF: 7357.6/31

Left Out: 23.962+/-0.053 χ^2/NDF:1922.4/24

Right Out: 13.057+/-0.161 χ^2/NDF: 7215.1/34

Left In: 23.805+/-0.054 χ^2/NDF:1761.3/22

Left: 23.885+/-0.038 χ^2/NDF: 3688.0/47

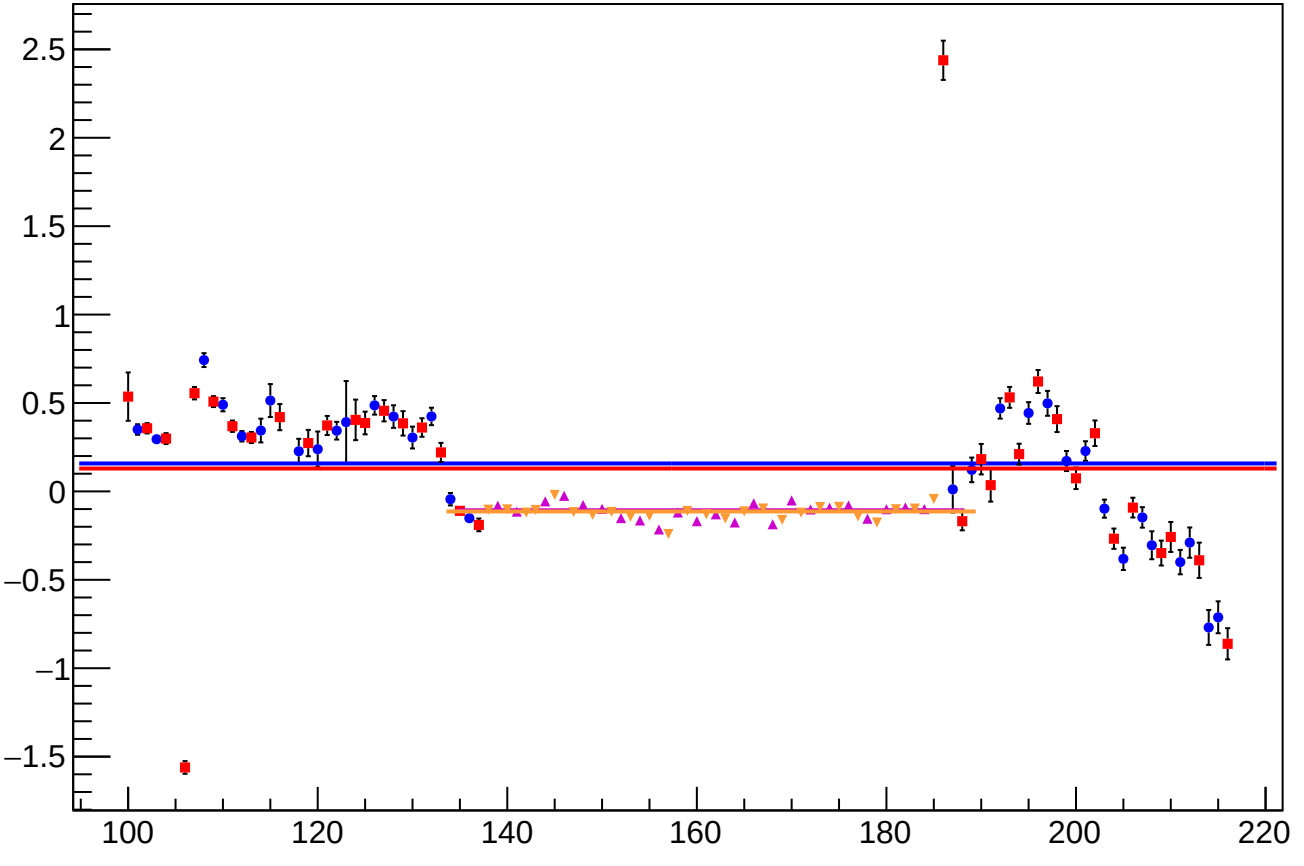
Right: 13.559+/-0.114 χ^2/NDF: 14591.9/66

In: 22.817+/-0.051 χ^2/NDF:12418.7/54

Out: 22.896+/-0.050 χ^2/NDF:13252.5/59

All: 22.857+/-0.036 χ^2/NDF: 25672.4/114

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.158+/-0.008 χ^2/NDF: 1382.3/31

Left Out: -0.113+/-0.002 χ^2/NDF:291.0/24

Right Out: 0.129+/-0.008 χ^2/NDF: 3894.4/34

Left In: -0.107+/-0.002 χ^2/NDF:321.8/22

Left: -0.110+/-0.002 χ^2/NDF: 616.6/47

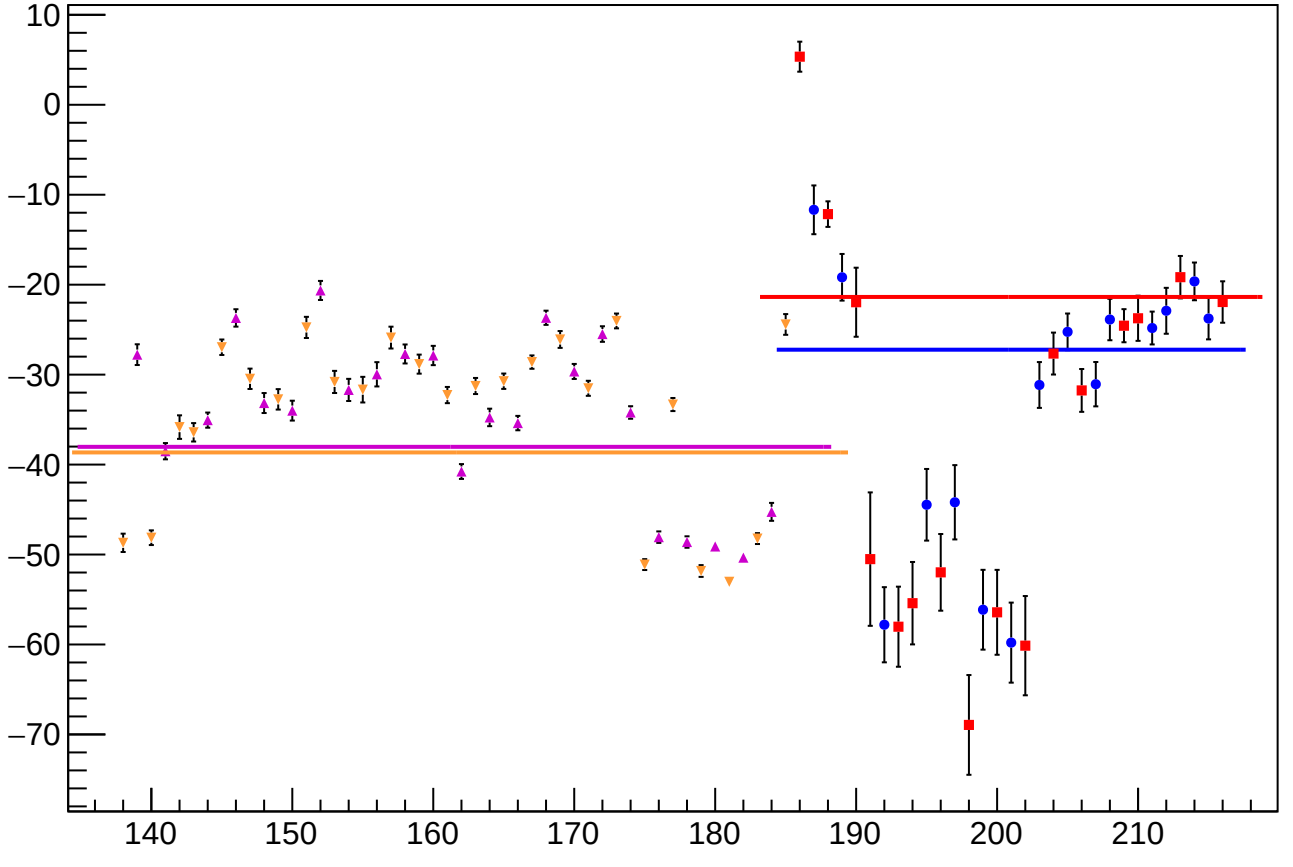
Right: 0.143+/-0.006 χ^2/NDF: 5282.8/66

In: -0.085+/-0.002 χ^2/NDF:2648.6/54

Out: -0.094+/-0.002 χ^2/NDF:5004.8/59

All: -0.089+/-0.002 χ^2/NDF: 7660.2/114

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.228+/-0.677 χ^2/NDF: 255.6/14

Left Out: -38.650+/-0.169 χ^2/NDF:4077.2/24

Right Out: -21.364+/-0.647 χ^2/NDF: 697.5/15

Left In: -38.027+/-0.173 χ^2/NDF:3091.9/22

Left: -38.346+/-0.121 χ^2/NDF: 7175.7/47

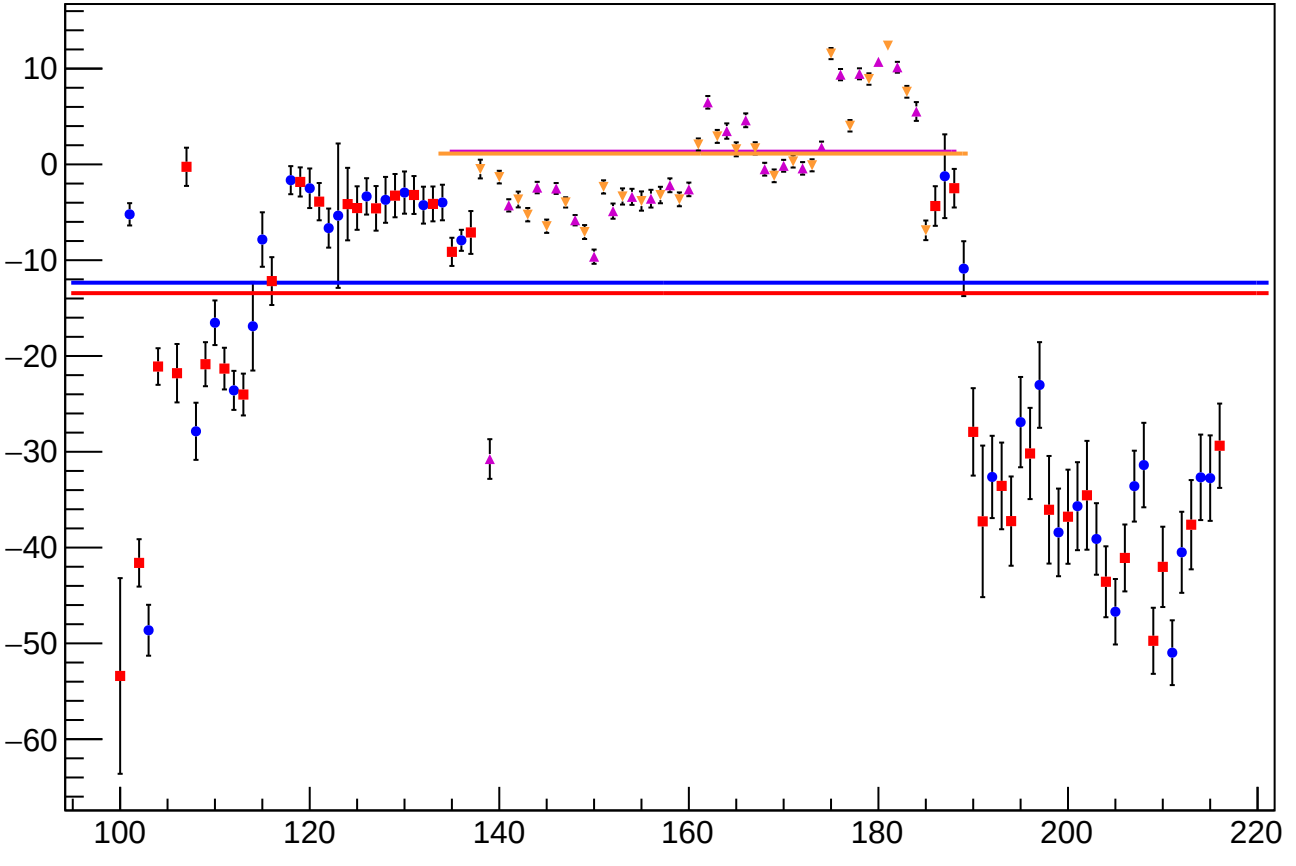
Right: -24.164+/-0.468 χ^2/NDF: 992.3/30

In: -37.364+/-0.168 χ^2/NDF:3586.1/37

Out: -37.546+/-0.164 χ^2/NDF:5442.2/40

All: -37.457+/-0.117 χ^2/NDF: 9029.0/78

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.349+/-0.425 χ^2/NDF: 1003.8/31

Left Out: 1.130+/-0.136 χ^2/NDF:1799.3/24

Right Out: -13.441+/-0.434 χ^2/NDF: 972.4/34

Left In: 1.329+/-0.140 χ^2/NDF:2048.0/22

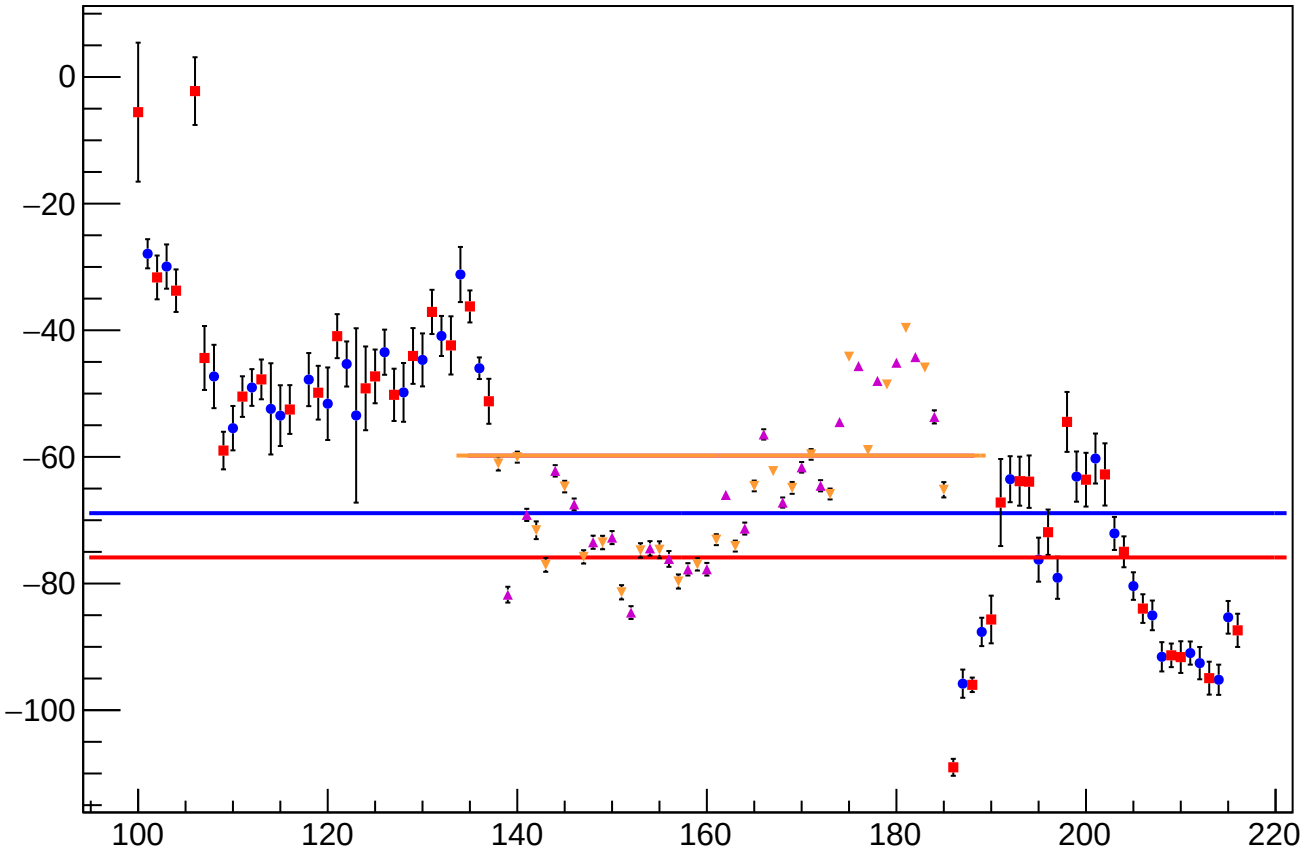
Left: 1.227+/-0.097 χ^2/NDF: 3848.4/47

Right: -12.884+/-0.304 χ^2/NDF: 1979.5/66

In: -0.007+/-0.133 χ^2/NDF:3986.6/54

Out: -0.175+/-0.130 χ^2/NDF:3799.6/59

All: -0.093+/-0.093 χ^2/NDF: 7787.1/114



Right In: -68.887+/-0.519 χ^2/NDF: 1857.0/31

Left Out: -59.789+/-0.170 χ^2/NDF:5837.7/24

Right Out: -75.877+/-0.489 χ^2/NDF: 2743.6/34

Left In: -59.802+/-0.173 χ^2/NDF:5217.5/22

Left: -59.795+/-0.121 χ^2/NDF: 11055.3/47

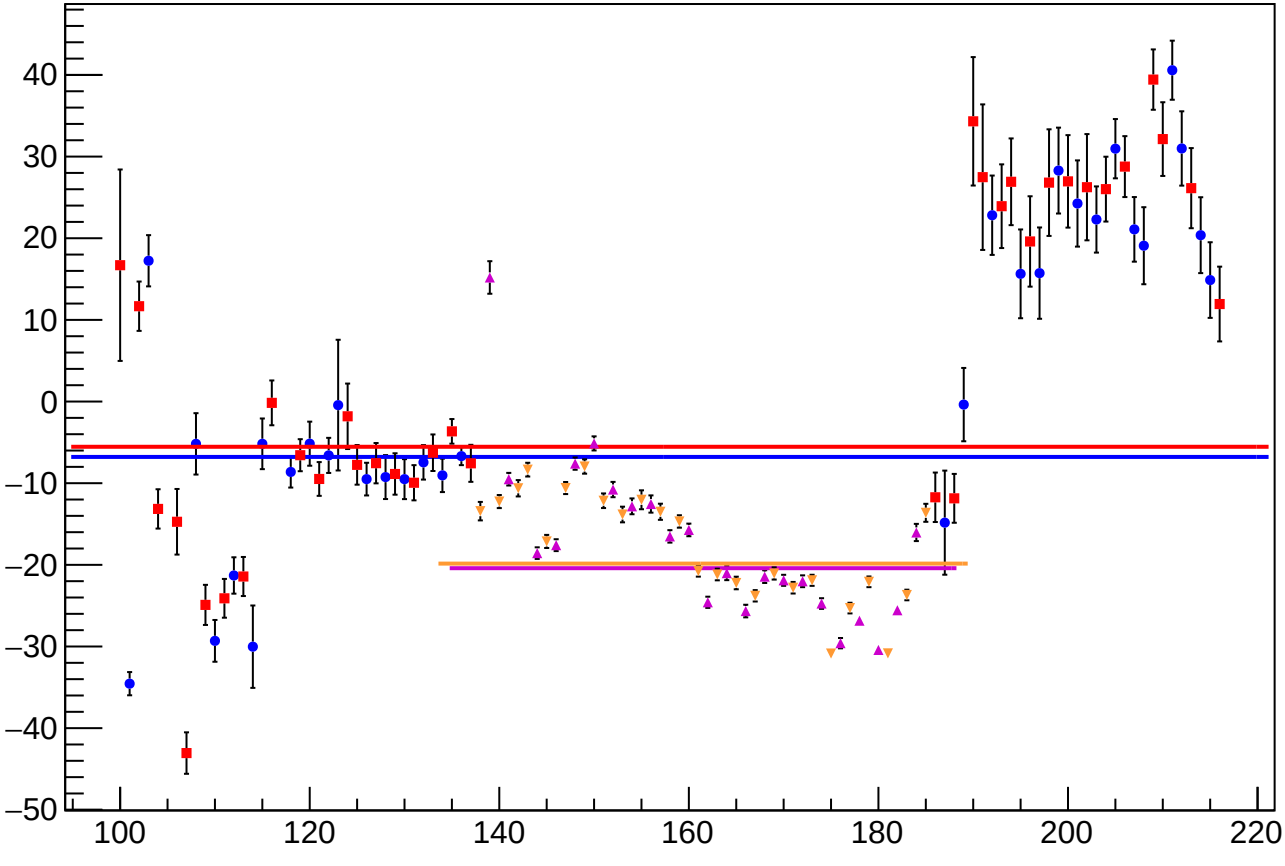
Right: -72.595+/-0.356 χ^2/NDF: 4696.6/66

In: -60.712+/-0.164 χ^2/NDF:7349.8/54

Out: -61.528+/-0.161 χ^2/NDF:9548.0/59

All: -61.129+/-0.115 χ^2/NDF: 16910.3/114

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.782+/-0.479 χ^2/NDF: 1277.7/31

Left Out: -19.847+/-0.153 χ^2/NDF:1931.3/24

Right Out: -5.539+/-0.498 χ^2/NDF: 1097.6/34

Left In: -20.410+/-0.157 χ^2/NDF:2302.0/22

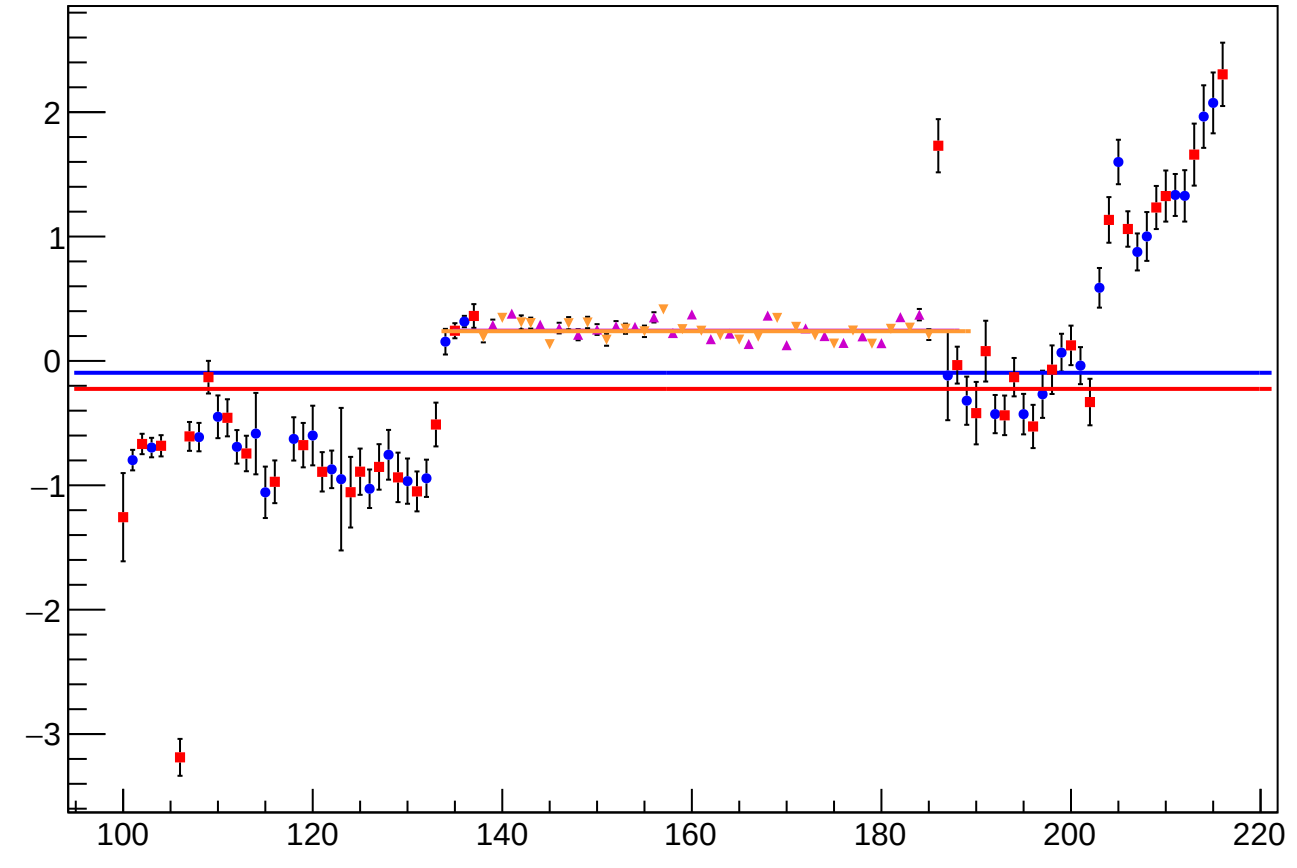
Left: -20.122+/-0.109 χ^2/NDF: 4239.8/47

Right: -6.185+/-0.345 χ^2/NDF: 2378.5/66

In: -19.092+/-0.149 χ^2/NDF:4311.5/54

Out: -18.617+/-0.146 χ^2/NDF:3783.3/59

All: -18.850+/-0.104 χ^2/NDF: 8100.0/114



Right In: -0.095+/-0.024 χ^2/NDF: 889.3/31

Left Out: 0.239+/-0.007 χ^2/NDF:93.0/24

Right Out: -0.225+/-0.024 χ^2/NDF: 1225.7/34

Left In: 0.243+/-0.007 χ^2/NDF:138.3/22

Left: 0.241+/-0.005 χ^2/NDF: 231.5/47

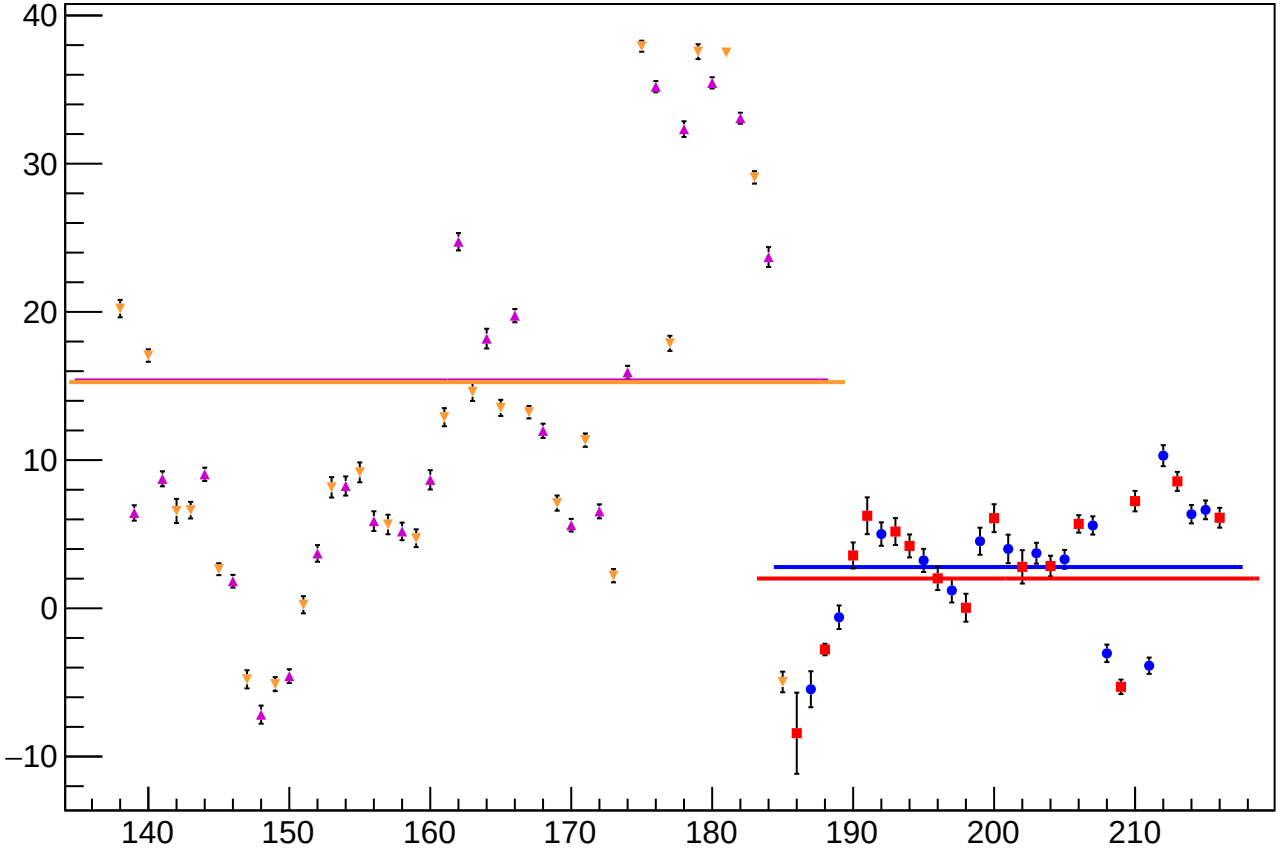
Right: -0.159+/-0.017 χ^2/NDF: 2129.6/66

In: 0.215+/-0.007 χ^2/NDF:1214.3/54

Out: 0.203+/-0.007 χ^2/NDF:1655.6/59

All: 0.209+/-0.005 χ^2/NDF: 2871.4/114

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.784+/-0.184 χ^2/NDF: 530.9/14

Left Out: 15.263+/-0.100 χ^2/NDF:19175.2/24

Right Out: 2.011+/-0.177 χ^2/NDF: 688.0/15

Left In: 15.377+/-0.103 χ^2/NDF:16268.9/22

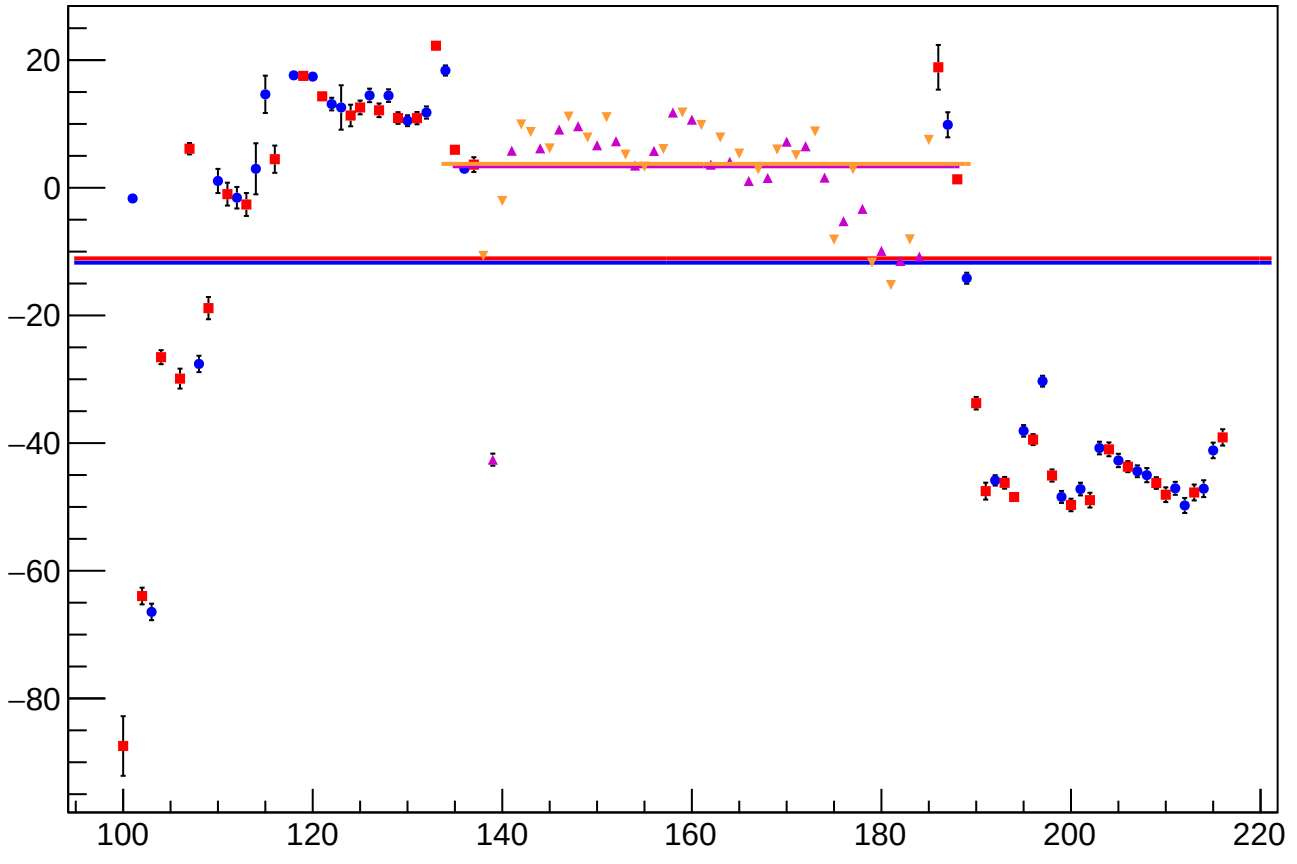
Left: 15.318+/-0.072 χ^2/NDF: 35444.7/47

Right: 2.382+/-0.127 χ^2/NDF: 1228.2/30

In: 12.374+/-0.090 χ^2/NDF:20381.5/37

Out: 12.019+/-0.087 χ^2/NDF:24120.1/40

All: 12.191+/-0.063 χ^2/NDF: 44509.6/78



Right In: -11.731+/-0.167 χ^2/NDF: 26673.5/31

Left Out: 3.746+/-0.079 χ^2/NDF:9247.4/24

Right Out: -11.060+/-0.160 χ^2/NDF: 31691.6/34

Left In: 3.365+/-0.081 χ^2/NDF:8527.0/22

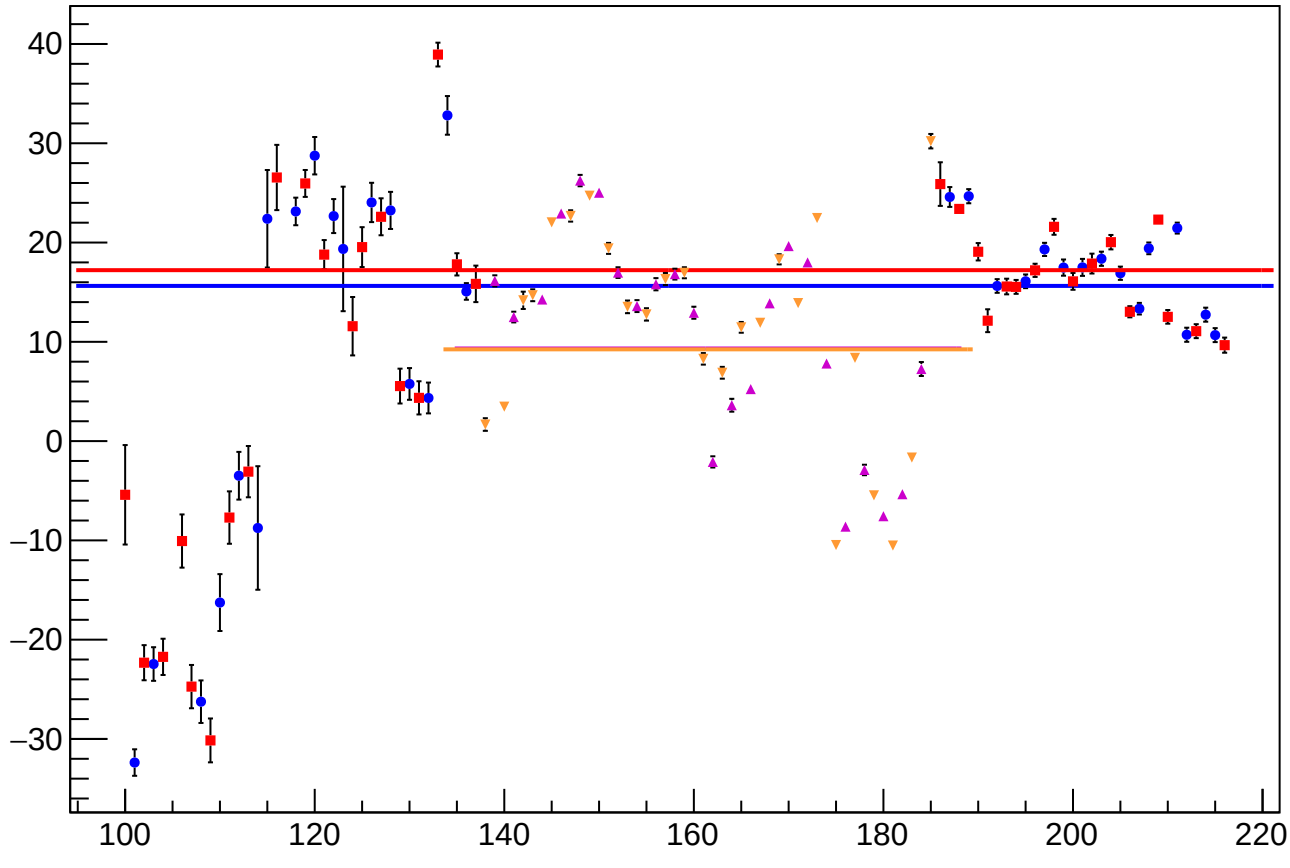
Left: 3.561+/-0.057 χ^2/NDF: 17785.7/47

Right: -11.380+/-0.116 χ^2/NDF: 58373.5/66

In: 0.490+/-0.073 χ^2/NDF:41777.2/54

Out: 0.857+/-0.071 χ^2/NDF:47836.1/59

All: 0.680+/-0.051 χ^2/NDF: 89626.3/114



Right In: 15.632+/-0.164 χ^2/NDF: 3267.5/31

Left Out: 9.242+/-0.101 χ^2/NDF:13633.2/24

Right Out: 17.218+/-0.153 χ^2/NDF: 3418.3/34

Left In: 9.328+/-0.103 χ^2/NDF:11968.5/22

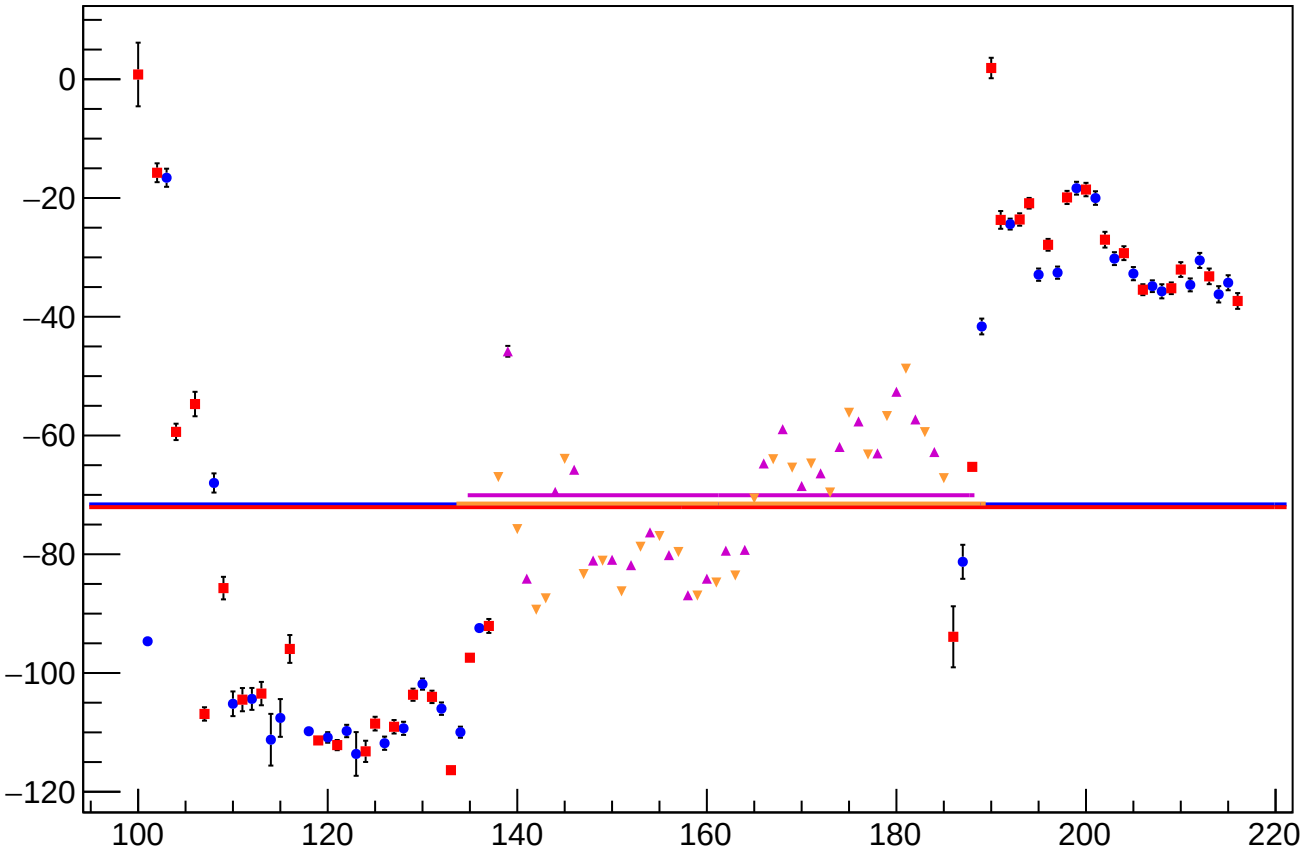
Left: 9.284+/-0.072 χ^2/NDF: 25602.0/47

Right: 16.481+/-0.112 χ^2/NDF: 6736.0/66

In: 11.104+/-0.087 χ^2/NDF:16300.3/54

Out: 11.668+/-0.084 χ^2/NDF:18951.4/59

All: 11.395+/-0.060 χ^2/NDF: 35273.4/114



Right In: -71.605+/-0.192 χ^2/NDF: 36793.3/31

Left Out: -71.465+/-0.089 χ^2/NDF:16409.7/24

Right Out: -72.068+/-0.186 χ^2/NDF: 44129.9/34

Left In: -70.061+/-0.092 χ^2/NDF:13058.5/22

Left: -70.782+/-0.064 χ^2/NDF: 29588.5/47

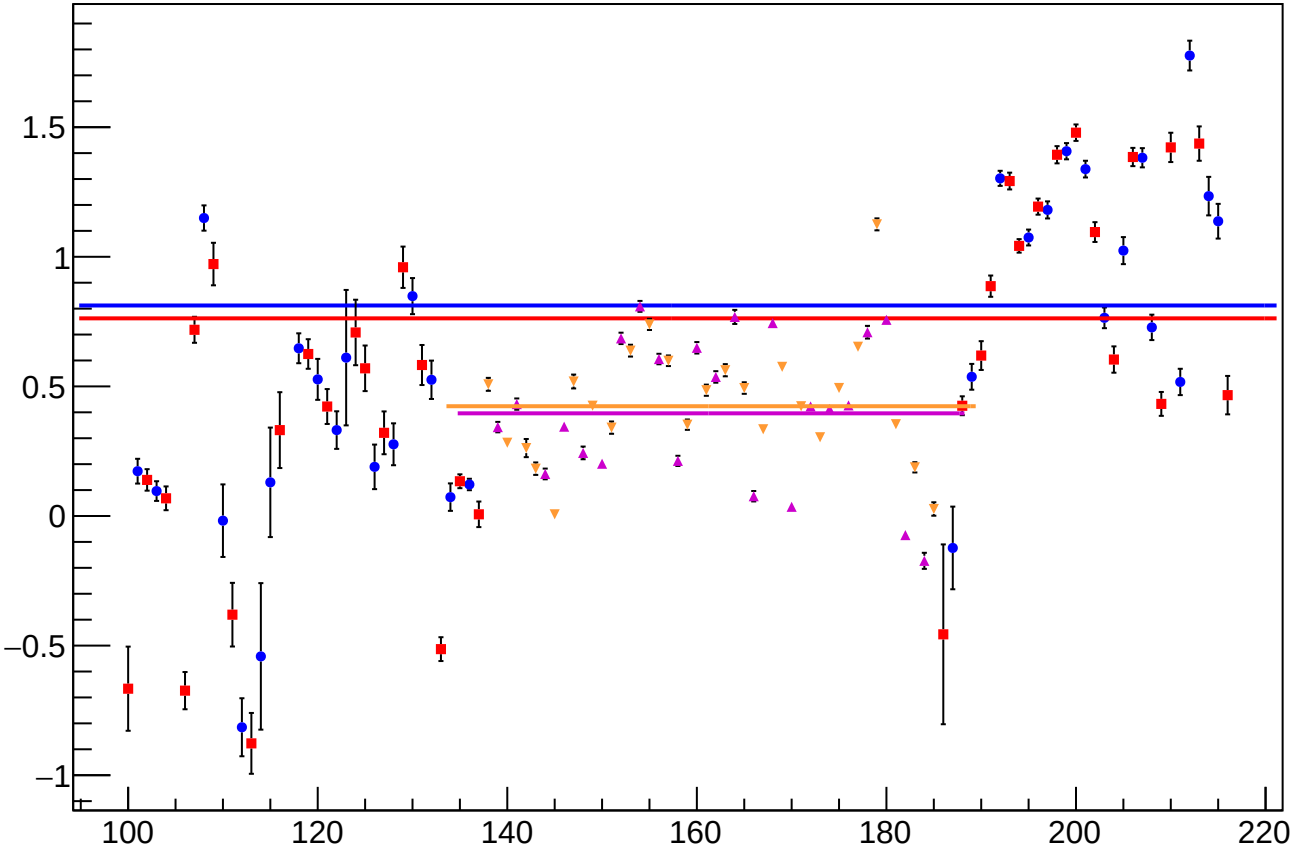
Right: -71.843+/-0.134 χ^2/NDF: 80926.2/66

In: -70.349+/-0.083 χ^2/NDF:49904.7/54

Out: -71.578+/-0.081 χ^2/NDF:60548.1/59

All: -70.980+/-0.058 χ^2/NDF: 110566.1/114

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.812+/-0.008 χ^2/NDF: 4014.6/31

Left Out: 0.424+/-0.004 χ^2/NDF:2885.0/24

Right Out: 0.762+/-0.008 χ^2/NDF: 5129.3/34

Left In: 0.396+/-0.004 χ^2/NDF:4051.5/22

Left: 0.410+/-0.003 χ^2/NDF: 6958.5/47

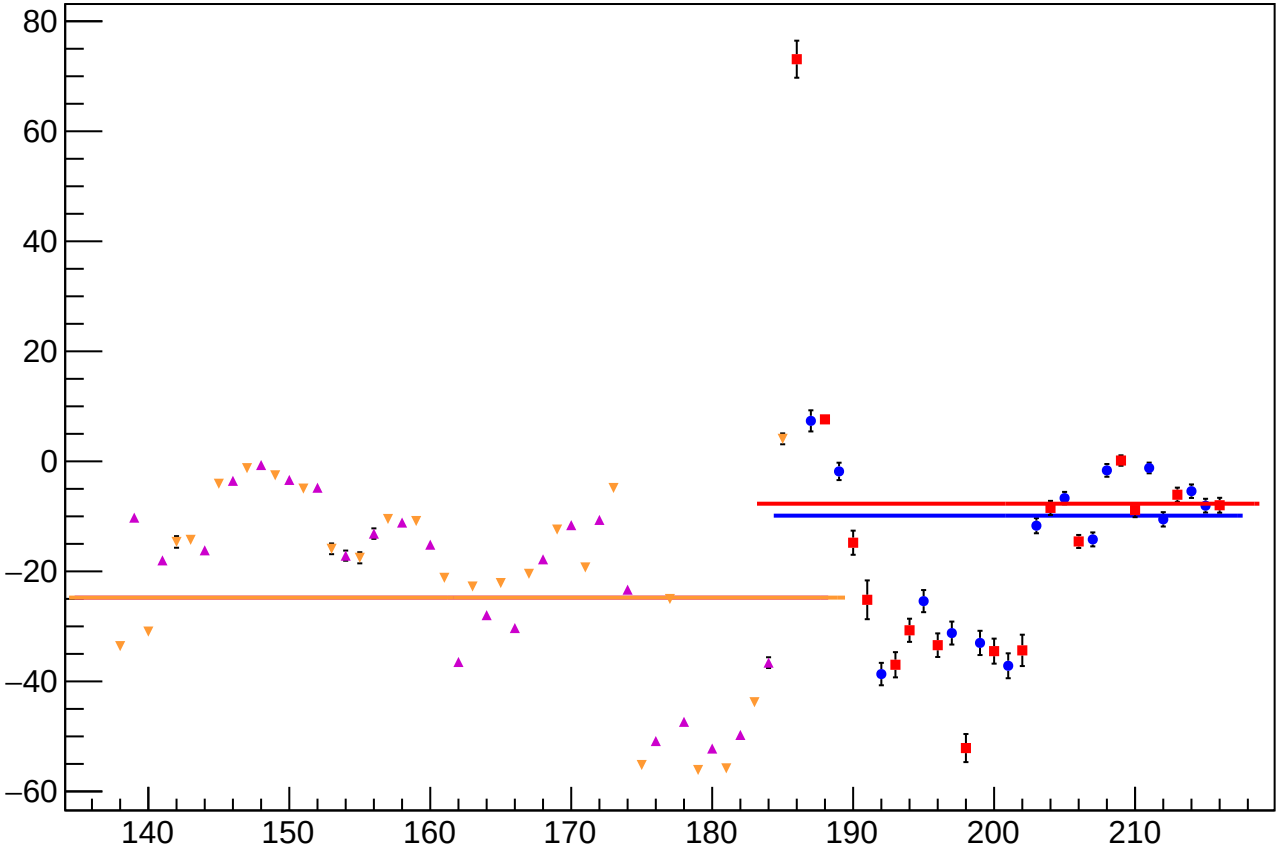
Right: 0.786+/-0.006 χ^2/NDF: 9162.3/66

In: 0.479+/-0.004 χ^2/NDF:10048.2/54

Out: 0.494+/-0.004 χ^2/NDF:9435.5/59

All: 0.486+/-0.003 χ^2/NDF: 19492.1/114

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.872+/-0.368 χ^2/NDF: 892.2/14

Left Out: -24.769+/-0.139 χ^2/NDF:18318.8/24

Right Out: -7.698+/-0.372 χ^2/NDF: 2037.5/15

Left In: -24.775+/-0.143 χ^2/NDF:14807.4/22

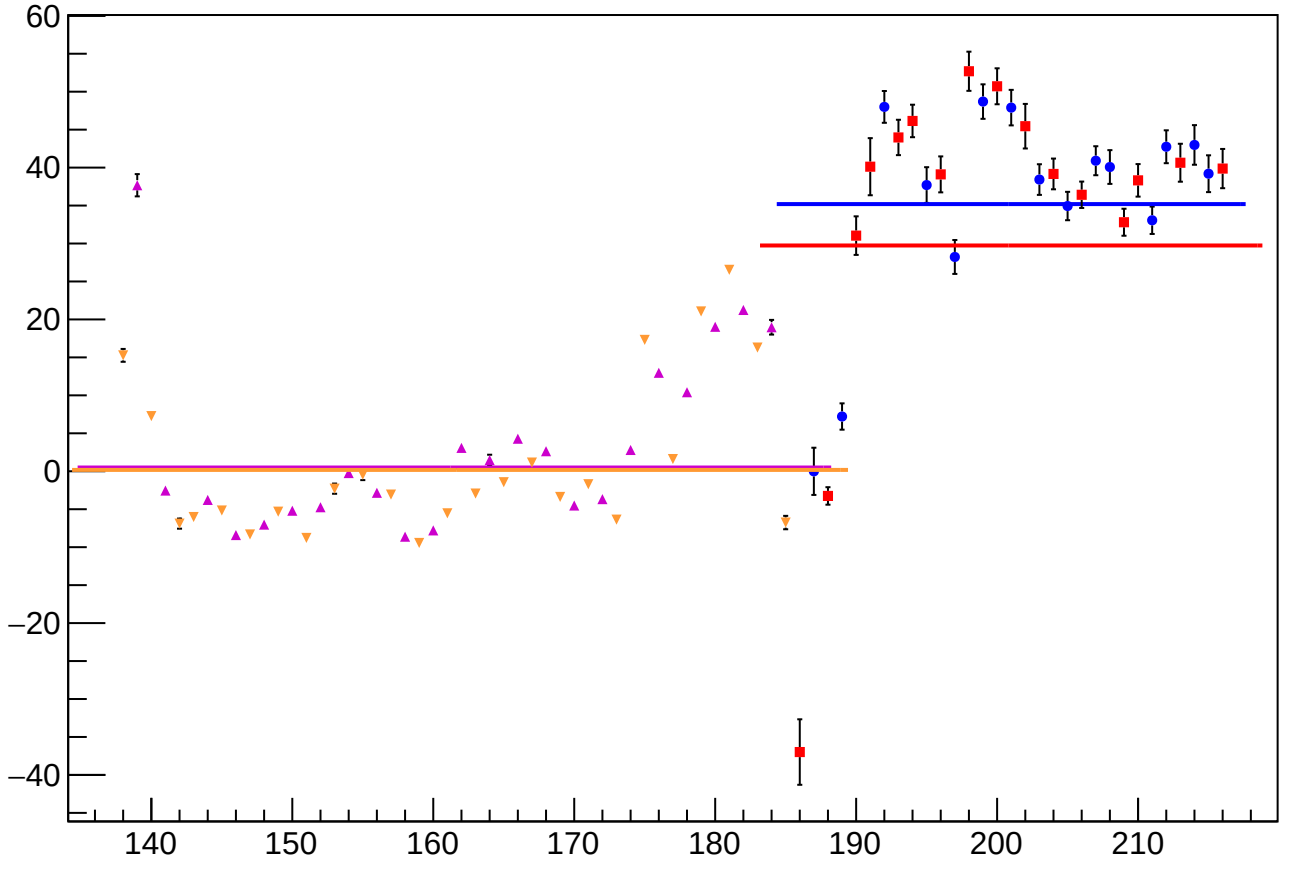
Left: -24.772+/-0.100 χ^2/NDF: 33126.2/47

Right: -8.798+/-0.261 χ^2/NDF: 2947.0/30

In: -22.821+/-0.133 χ^2/NDF:17128.4/37

Out: -22.666+/-0.131 χ^2/NDF:22203.4/40

All: -22.742+/-0.093 χ^2/NDF: 39332.5/78



Right In: 35.193+/-0.553 χ^2/NDF: 543.6/14

Left Out: 0.177+/-0.109 χ^2/NDF:8295.6/24

Right Out: 29.741+/-0.536 χ^2/NDF: 1454.1/15

Left In: 0.493+/-0.112 χ^2/NDF:6555.4/22

Left: 0.330+/-0.078 χ^2/NDF: 14855.0/47

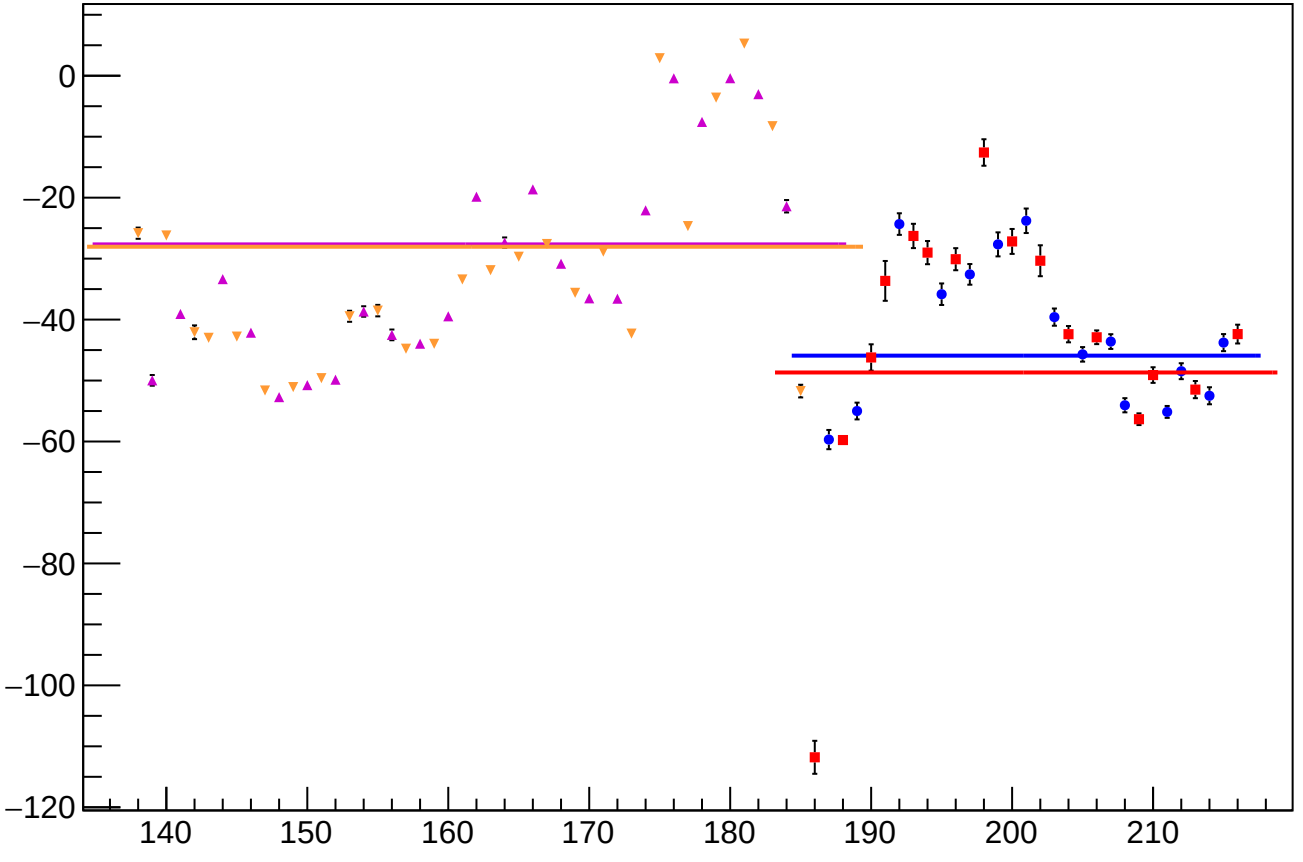
Right: 32.383+/-0.385 χ^2/NDF: 2047.8/30

In: 1.862+/-0.110 χ^2/NDF:10878.3/37

Out: 1.340+/-0.106 χ^2/NDF:12668.3/40

All: 1.593+/-0.076 χ^2/NDF: 23558.3/78

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.915+/-0.360 χ^2/NDF: 760.0/14

Left Out: -28.050+/-0.140 χ^2/NDF:17144.5/24

Right Out: -48.677+/-0.348 χ^2/NDF: 1769.8/15

Left In: -27.666+/-0.142 χ^2/NDF:15003.2/22

Left: -27.862+/-0.100 χ^2/NDF: 32151.3/47

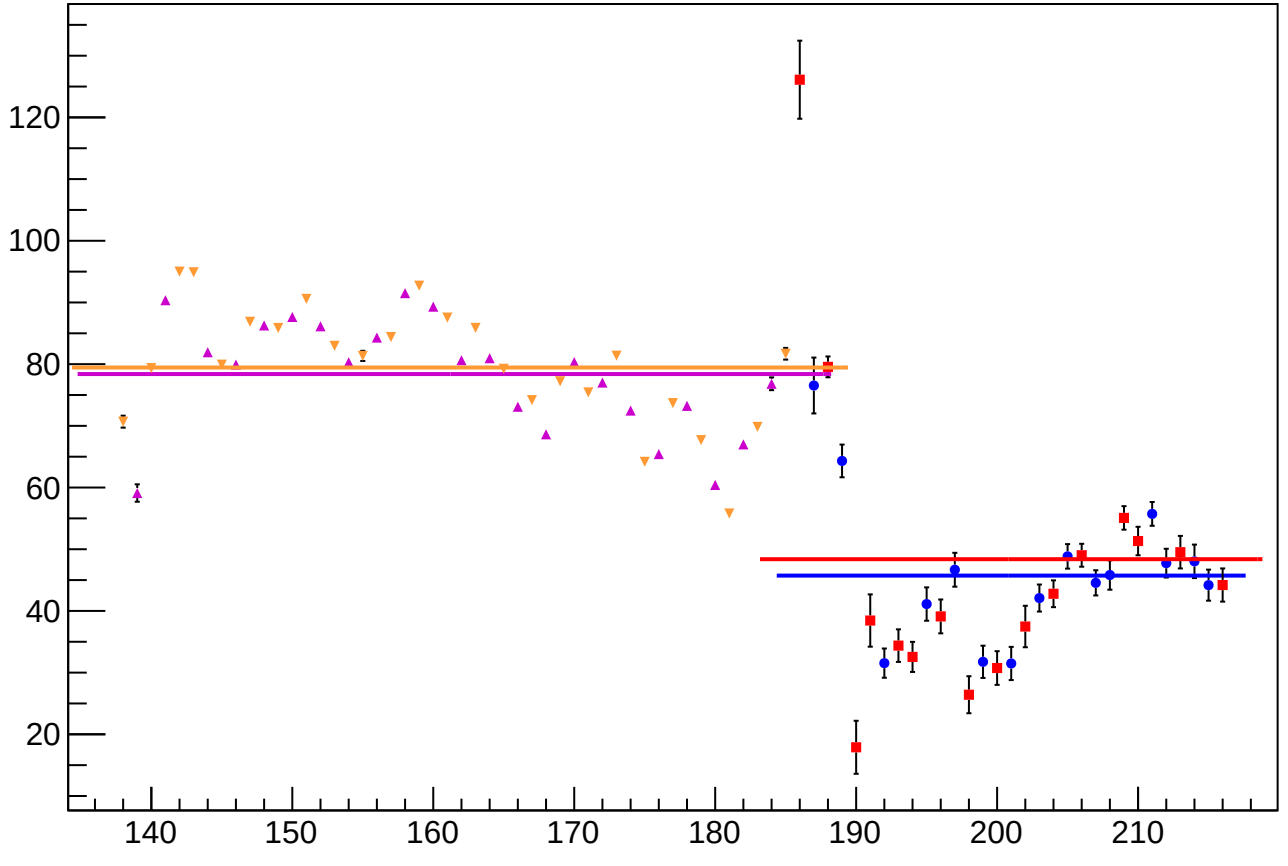
Right: -47.341+/-0.250 χ^2/NDF: 2560.1/30

In: -30.135+/-0.132 χ^2/NDF:17983.2/37

Out: -30.912+/-0.130 χ^2/NDF:21932.1/40

All: -30.532+/-0.093 χ^2/NDF: 39932.9/78

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.725+/-0.626 χ^2/NDF: 225.4/14

Left Out: 79.456+/-0.123 χ^2/NDF:6077.1/24

Right Out: 48.387+/-0.631 χ^2/NDF: 759.5/15

Left In: 78.396+/-0.127 χ^2/NDF:4707.3/22

Left: 78.941+/-0.088 χ^2/NDF: 10820.4/47

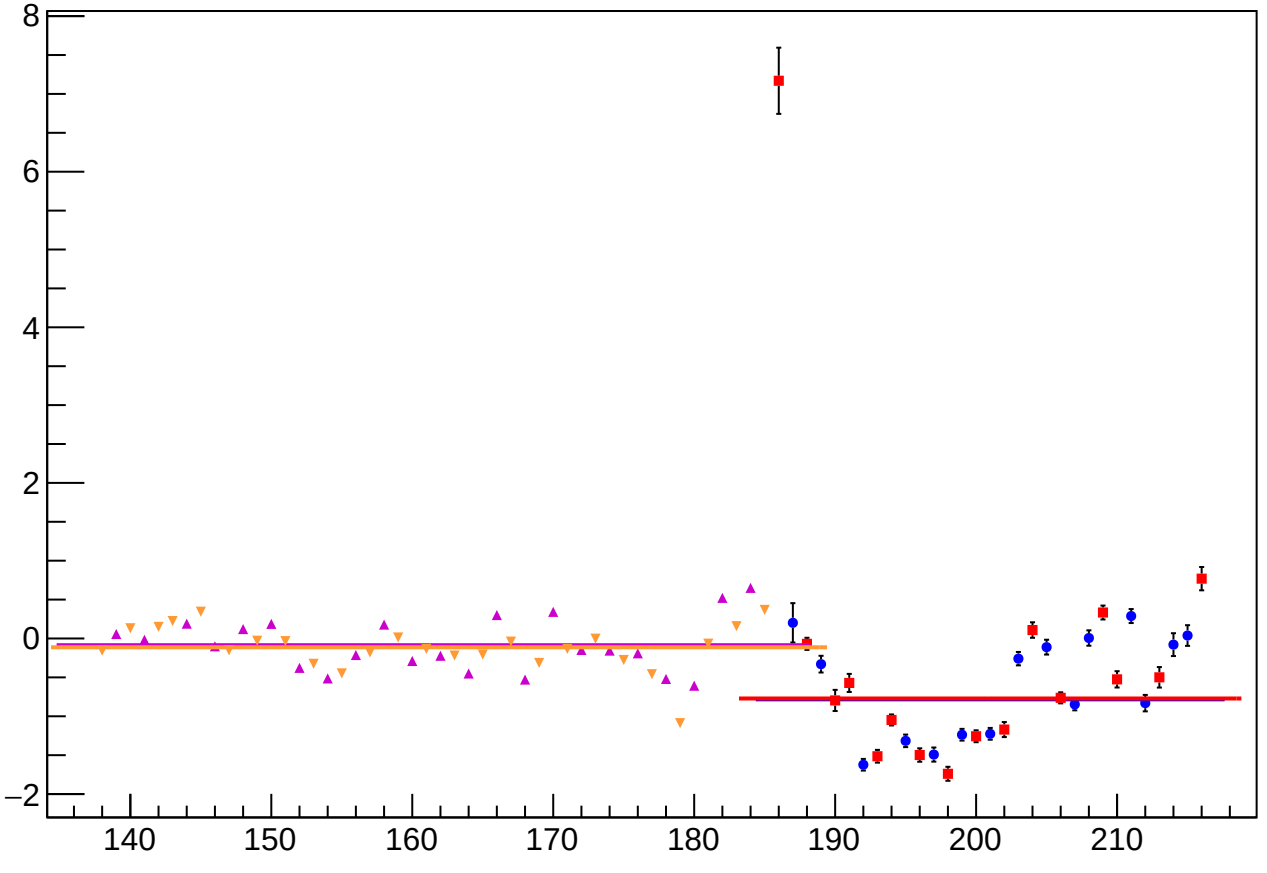
Right: 47.046+/-0.445 χ^2/NDF: 993.9/30

In: 77.111+/-0.124 χ^2/NDF:7546.0/37

Out: 78.315+/-0.121 χ^2/NDF:9171.9/40

All: 77.730+/-0.087 χ^2/NDF: 16766.2/78

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.782+/-0.024 χ^2/NDF: 687.9/14

Left Out: -0.113+/-0.006 χ^2/NDF:2303.1/24

Right Out: -0.771+/-0.024 χ^2/NDF: 1120.7/15

Left In: -0.086+/-0.006 χ^2/NDF:3132.1/22

Left: -0.100+/-0.004 χ^2/NDF: 5446.4/47

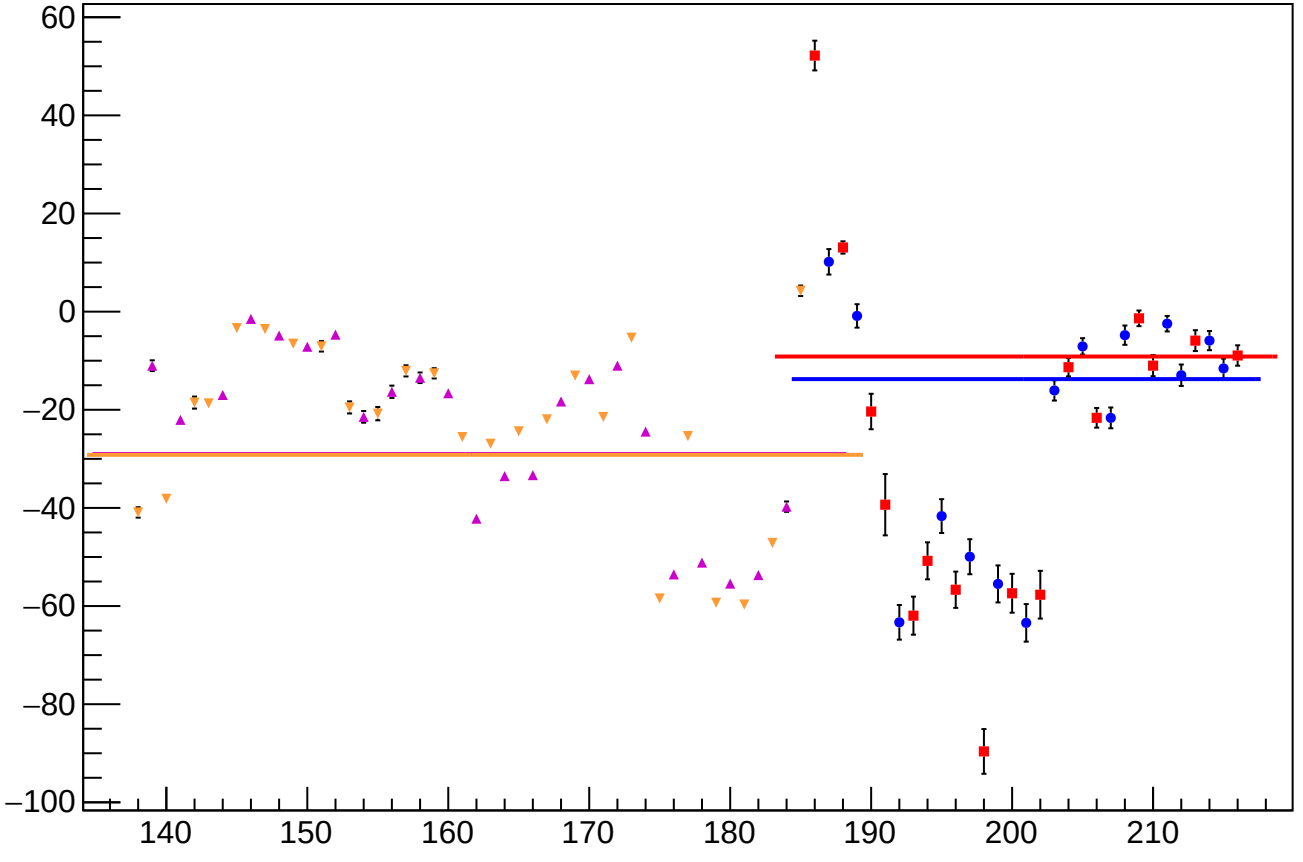
Right: -0.777+/-0.017 χ^2/NDF: 1808.7/30

In: -0.125+/-0.006 χ^2/NDF:4615.8/37

Out: -0.149+/-0.006 χ^2/NDF:4160.7/40

All: -0.137+/-0.004 χ^2/NDF: 8786.4/78

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.749+/-0.587 χ^2/NDF: 890.6/14

Left Out: -29.180+/-0.157 χ^2/NDF:16912.2/24

Right Out: -9.148+/-0.597 χ^2/NDF: 1857.3/15

Left In: -29.003+/-0.160 χ^2/NDF:13416.8/22

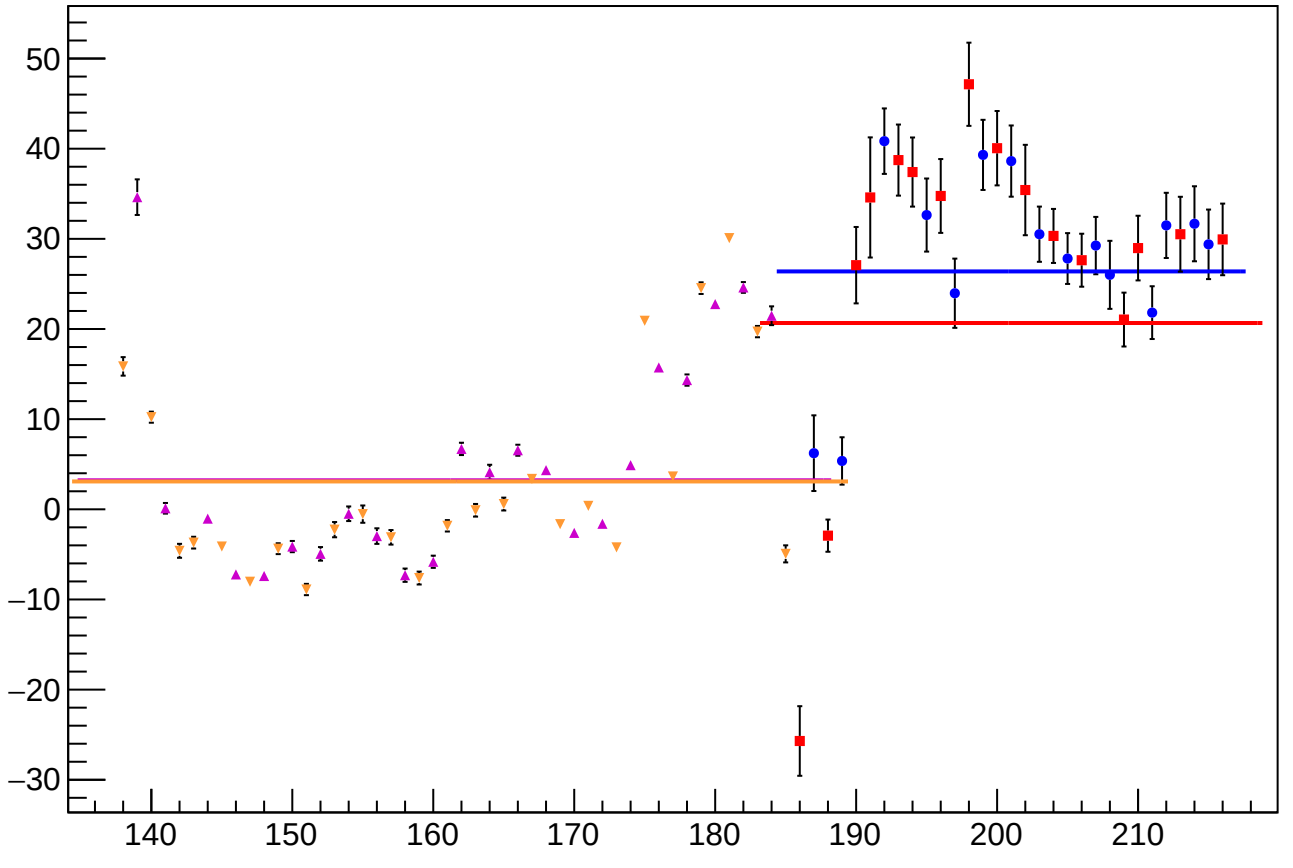
Left: -29.093+/-0.112 χ^2/NDF: 30329.6/47

Right: -11.485+/-0.419 χ^2/NDF: 2778.2/30

In: -27.951+/-0.154 χ^2/NDF:14935.5/37

Out: -27.887+/-0.152 χ^2/NDF:19823.8/40

All: -27.918+/-0.108 χ^2/NDF: 34759.3/78



Right In: 26.387+/-0.892 χ^2/NDF: 135.9/14

Left Out: 3.091+/-0.124 χ^2/NDF:8084.1/24

Right Out: 20.665+/-0.865 χ^2/NDF: 473.6/15

Left In: 3.221+/-0.127 χ^2/NDF:6237.6/22

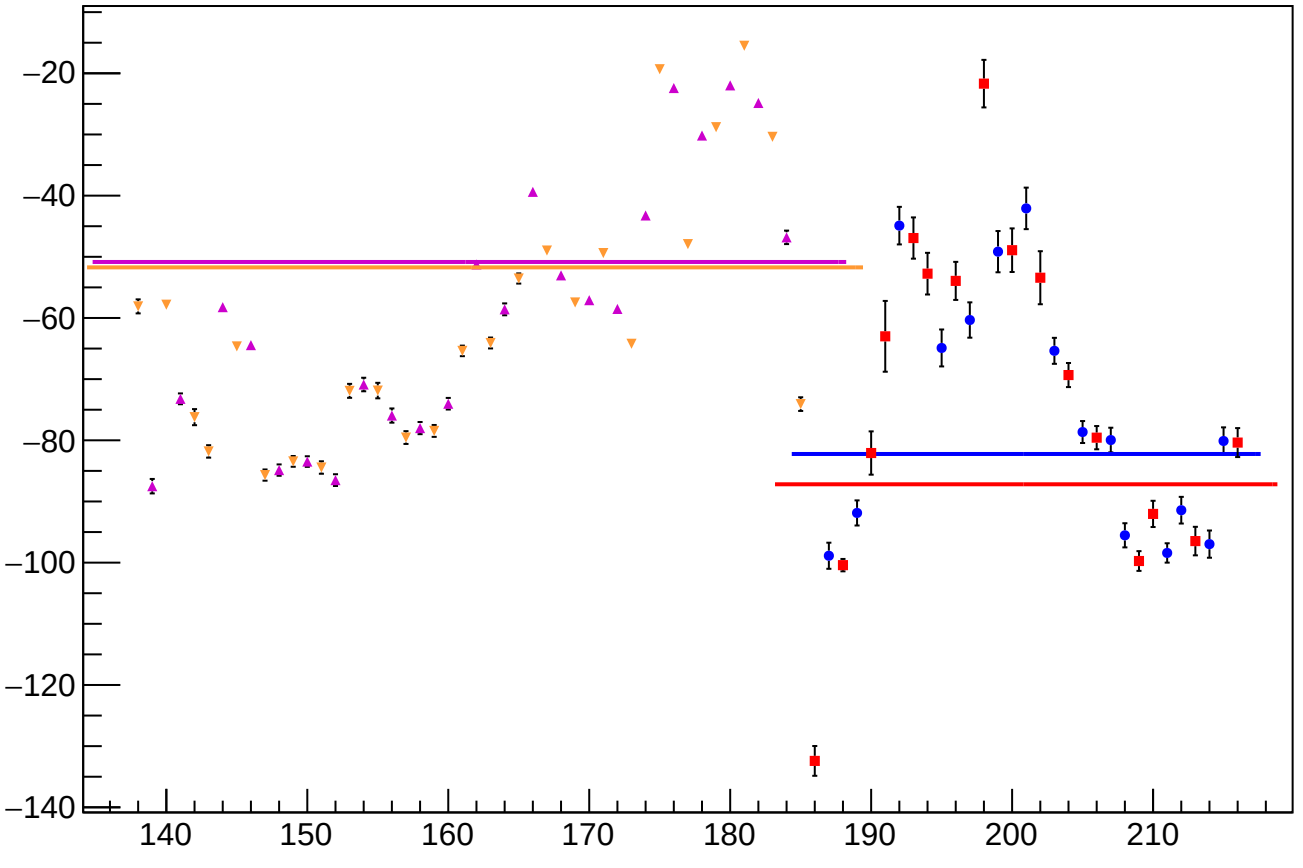
Left: 3.155+/-0.089 χ^2/NDF: 14322.2/47

Right: 23.439+/-0.621 χ^2/NDF: 630.7/30

In: 3.681+/-0.126 χ^2/NDF:7034.3/37

Out: 3.447+/-0.123 χ^2/NDF:8961.7/40

All: 3.561+/-0.088 χ^2/NDF: 15997.8/78



Right In: -82.236+/-0.576 χ^2/NDF: 837.9/14

Left Out: -51.729+/-0.158 χ^2/NDF:19538.0/24

Right Out: -87.190+/-0.556 χ^2/NDF: 1542.4/15

Left In: -50.844+/-0.160 χ^2/NDF:17272.0/22

Left: -51.293+/-0.112 χ^2/NDF: 36825.5/47

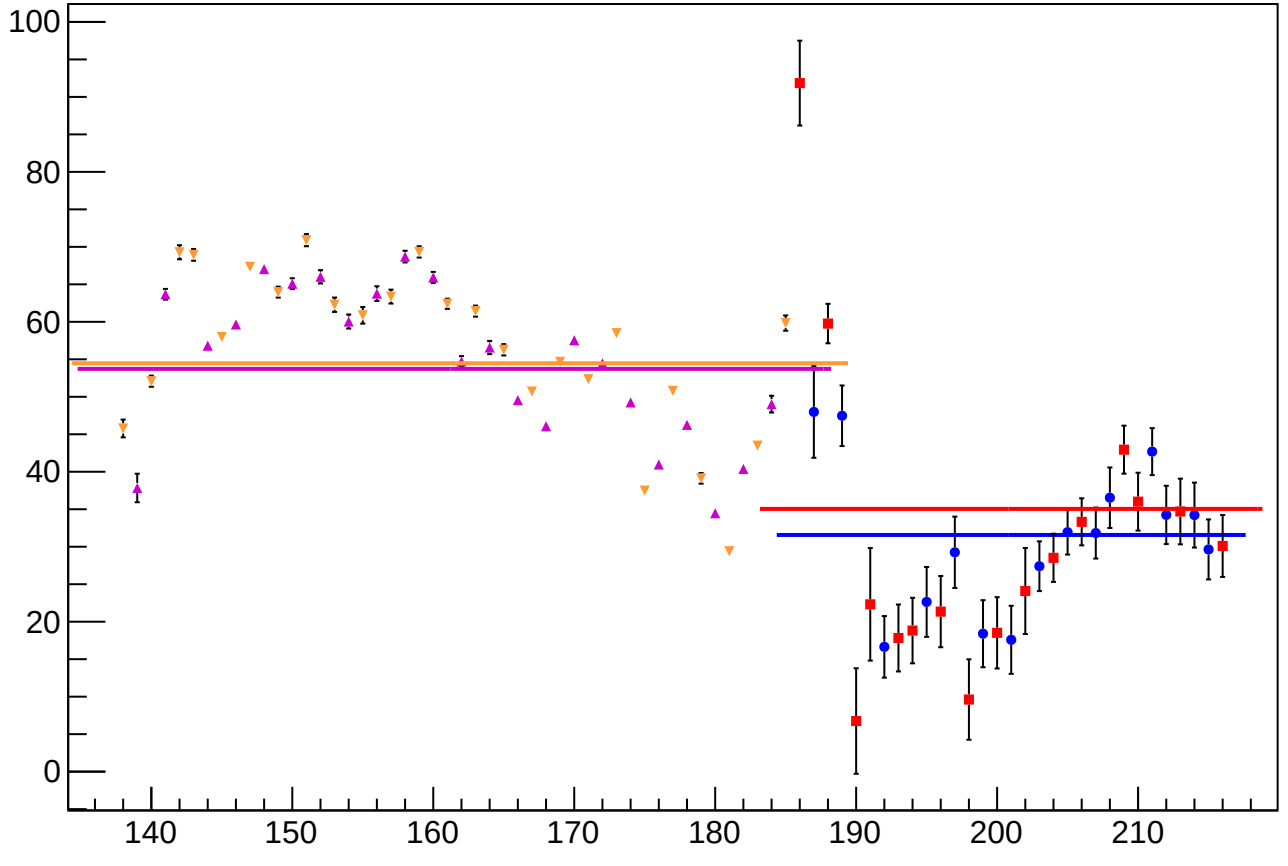
Right: -84.798+/-0.400 χ^2/NDF: 2418.6/30

In: -53.096+/-0.154 χ^2/NDF:20868.0/37

Out: -54.372+/-0.152 χ^2/NDF:24840.0/40

All: -53.744+/-0.108 χ^2/NDF: 45742.7/78

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.570+/-1.015 χ^2/NDF: 74.8/14

Left Out: 54.476+/-0.140 χ^2/NDF:6266.9/24

Right Out: 35.046+/-1.030 χ^2/NDF: 295.2/15

Left In: 53.724+/-0.143 χ^2/NDF:4585.7/22

Left: 54.107+/-0.100 χ^2/NDF: 10866.7/47

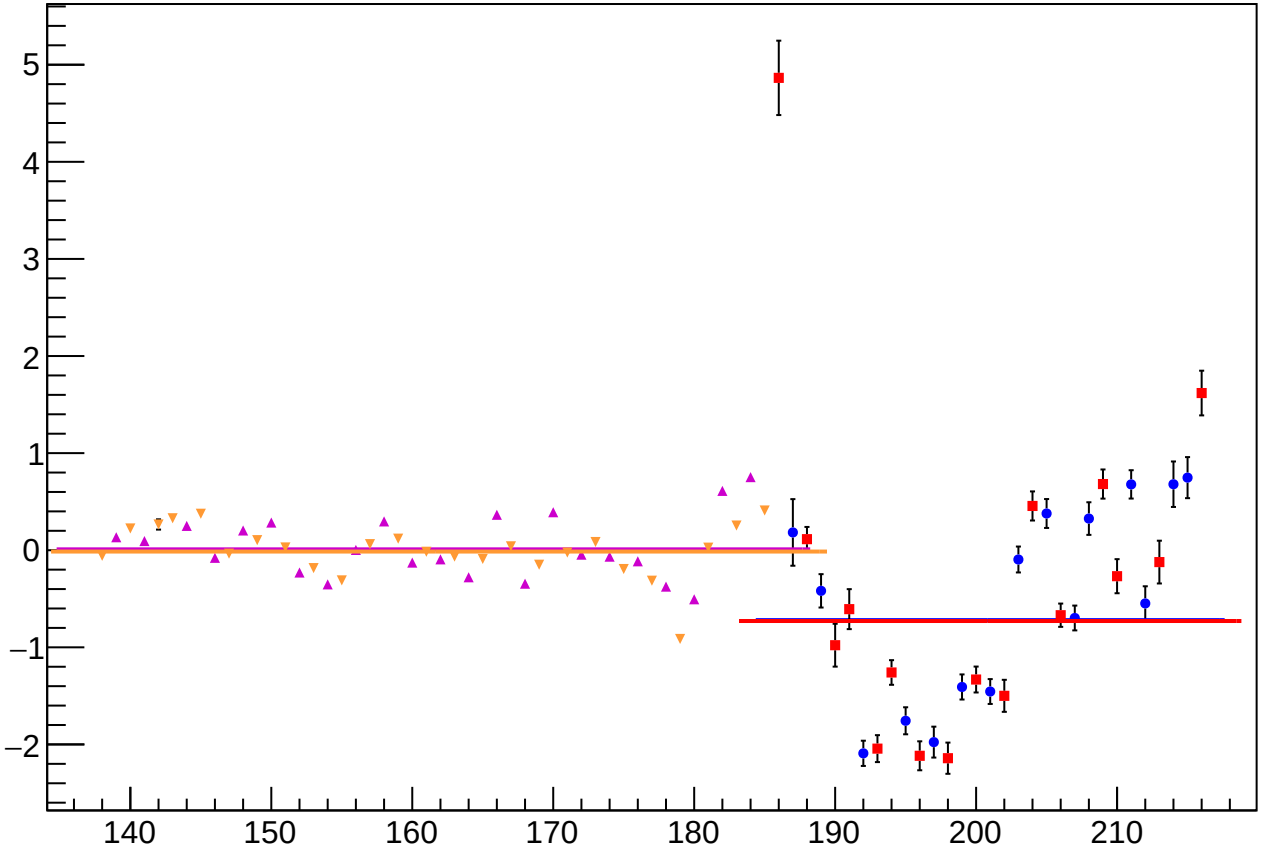
Right: 33.284+/-0.723 χ^2/NDF: 375.7/30

In: 53.292+/-0.142 χ^2/NDF:5127.3/37

Out: 54.122+/-0.139 χ^2/NDF:6911.8/40

All: 53.715+/-0.099 χ^2/NDF: 12056.6/78

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.720+/-0.040 χ^2/NDF: 592.3/14

Left Out: -0.014+/-0.006 χ^2/NDF:1654.7/24

Right Out: -0.729+/-0.040 χ^2/NDF: 842.9/15

Left In: 0.009+/-0.007 χ^2/NDF:2220.5/22

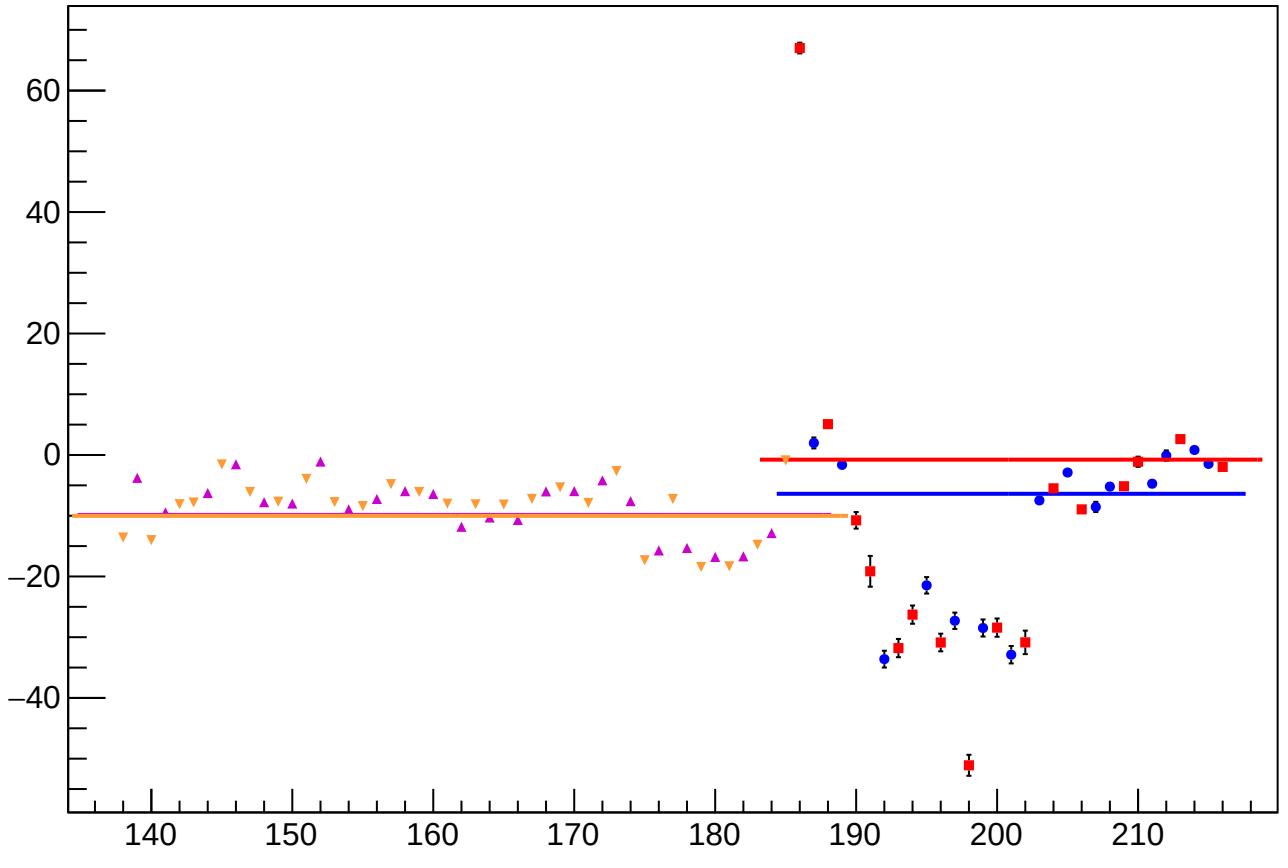
Left: -0.003+/-0.005 χ^2/NDF: 3881.4/47

Right: -0.724+/-0.028 χ^2/NDF: 1435.2/30

In: -0.010+/-0.006 χ^2/NDF:3139.4/37

Out: -0.032+/-0.006 χ^2/NDF:2814.4/40

All: -0.021+/-0.005 χ^2/NDF: 5959.6/78



Right In: -6.388+/-0.222 χ^2/NDF: 1702.3/14

Left Out: -10.017+/-0.051 χ^2/NDF:12552.8/24

Right Out: -0.767+/-0.222 χ^2/NDF: 8935.8/15

Left In: -9.865+/-0.051 χ^2/NDF:9345.4/22

Left: -9.942+/-0.036 χ^2/NDF: 21902.5/47

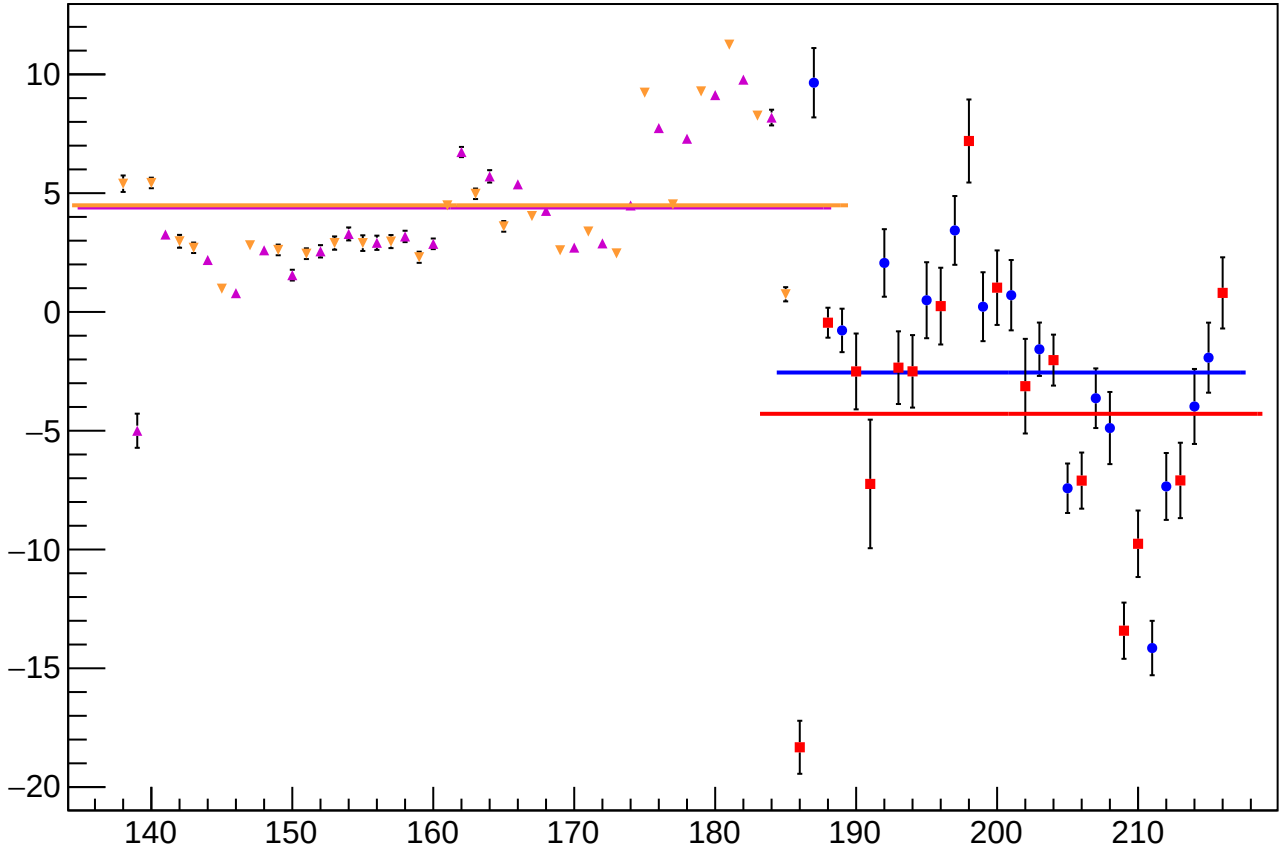
Right: -3.581+/-0.157 χ^2/NDF: 10958.4/30

In: -9.689+/-0.050 χ^2/NDF:11280.5/37

Out: -9.560+/-0.049 χ^2/NDF:23135.3/40

All: -9.623+/-0.035 χ^2/NDF: 34419.1/78

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.549+/-0.336 χ^2/NDF: 254.2/14

Left Out: 4.489+/-0.041 χ^2/NDF:4832.3/24

Right Out: -4.288+/-0.321 χ^2/NDF: 363.0/15

Left In: 4.396+/-0.041 χ^2/NDF:4230.4/22

Left: 4.443+/-0.029 χ^2/NDF: 9065.3/47

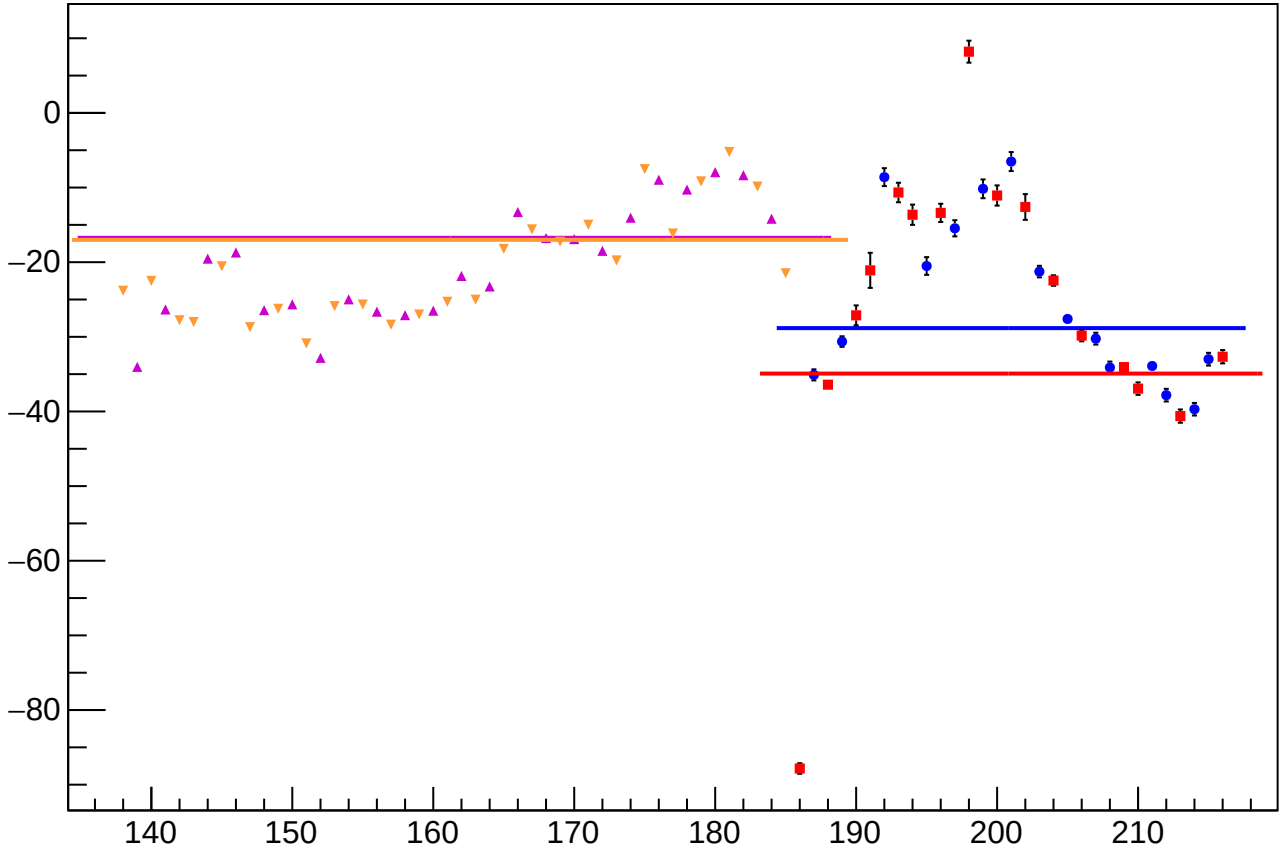
Right: -3.459+/-0.232 χ^2/NDF: 631.2/30

In: 4.293+/-0.041 χ^2/NDF:4906.1/37

Out: 4.350+/-0.040 χ^2/NDF:5932.5/40

All: 4.322+/-0.029 χ^2/NDF: 10839.6/78

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -28.832+/-0.217 χ^2/NDF: 1605.0/14

Left Out: -17.008+/-0.051 χ^2/NDF:22094.7/24

Right Out: -34.923+/-0.205 χ^2/NDF: 8273.6/15

Left In: -16.732+/-0.052 χ^2/NDF:18777.2/22

Left: -16.871+/-0.036 χ^2/NDF: 40886.5/47

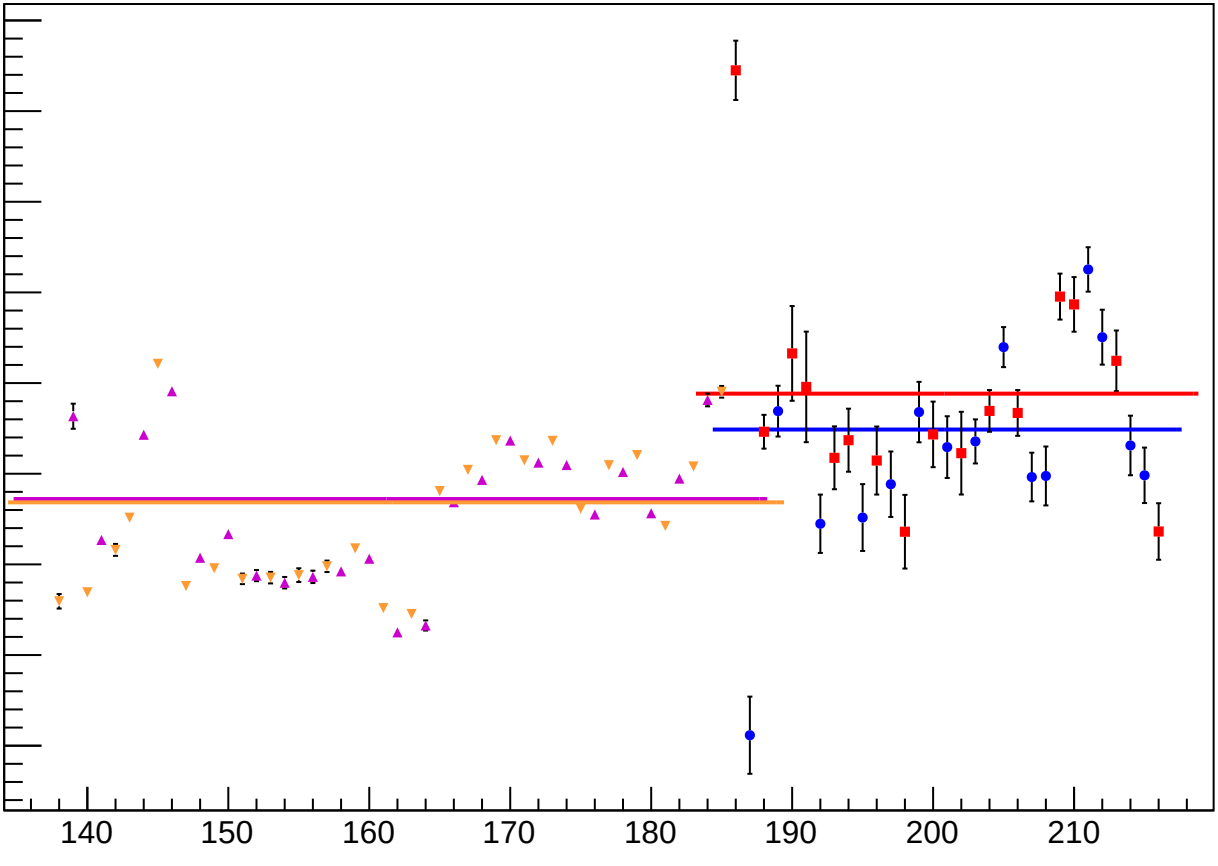
Right: -32.047+/-0.149 χ^2/NDF: 10294.0/30

In: -17.377+/-0.050 χ^2/NDF:23322.0/37

Out: -18.052+/-0.050 χ^2/NDF:37536.2/40

All: -17.718+/-0.035 χ^2/NDF: 60949.9/78

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.438+/-0.385 χ^2/NDF: 173.9/14

Left Out: 8.422+/-0.046 χ^2/NDF:6470.1/24

Right Out: 14.417+/-0.387 χ^2/NDF: 207.5/15

Left In: 8.606+/-0.046 χ^2/NDF:5504.2/22

Left: 8.513+/-0.032 χ^2/NDF: 11982.4/47

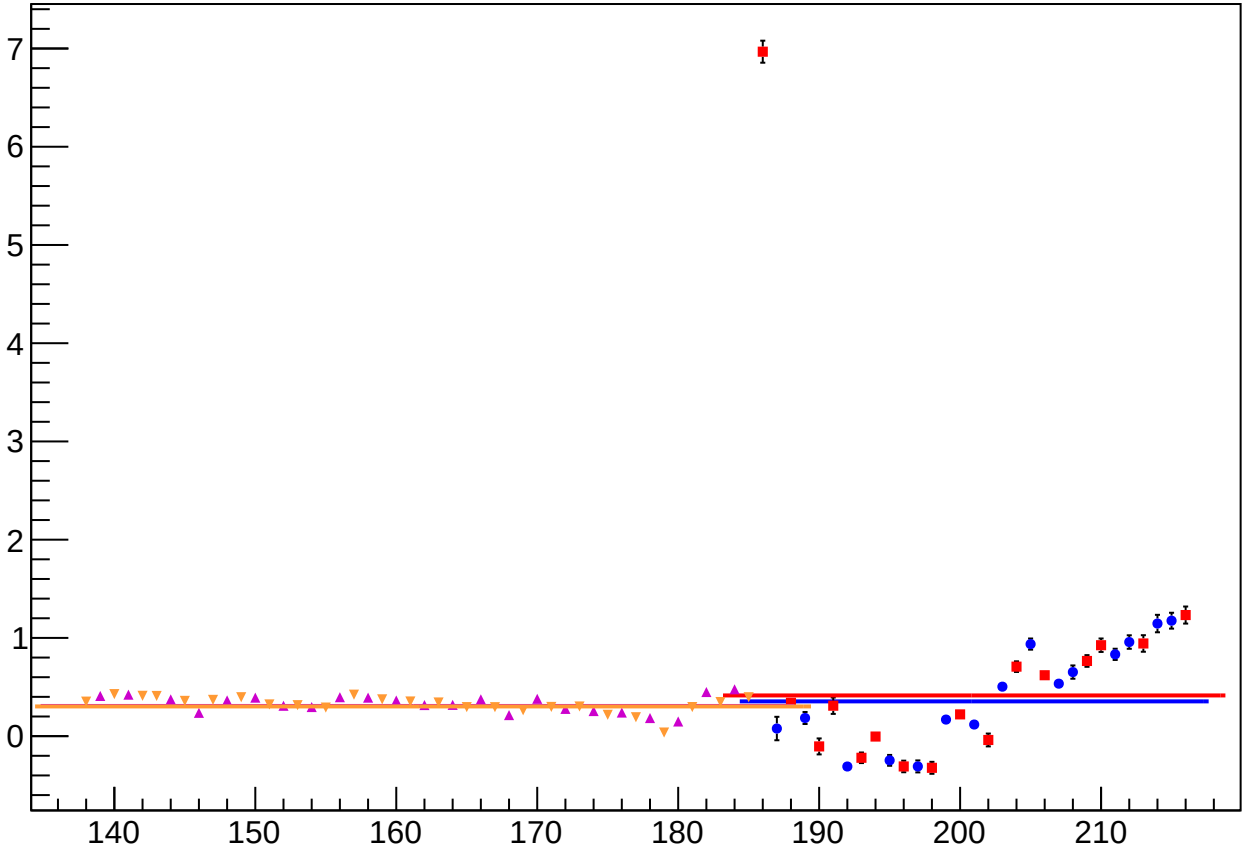
Right: 13.422+/-0.273 χ^2/NDF: 394.6/30

In: 8.661+/-0.046 χ^2/NDF:5775.9/37

Out: 8.504+/-0.045 χ^2/NDF:6914.6/40

All: 8.581+/-0.032 χ^2/NDF: 12696.4/78

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.354+/-0.015 χ^2/NDF: 935.8/14

Left Out: 0.302+/-0.002 χ^2/NDF:1590.9/24

Right Out: 0.414+/-0.015 χ^2/NDF: 4290.3/15

Left In: 0.307+/-0.002 χ^2/NDF:1699.5/22

Left: 0.305+/-0.001 χ^2/NDF: 3293.0/47

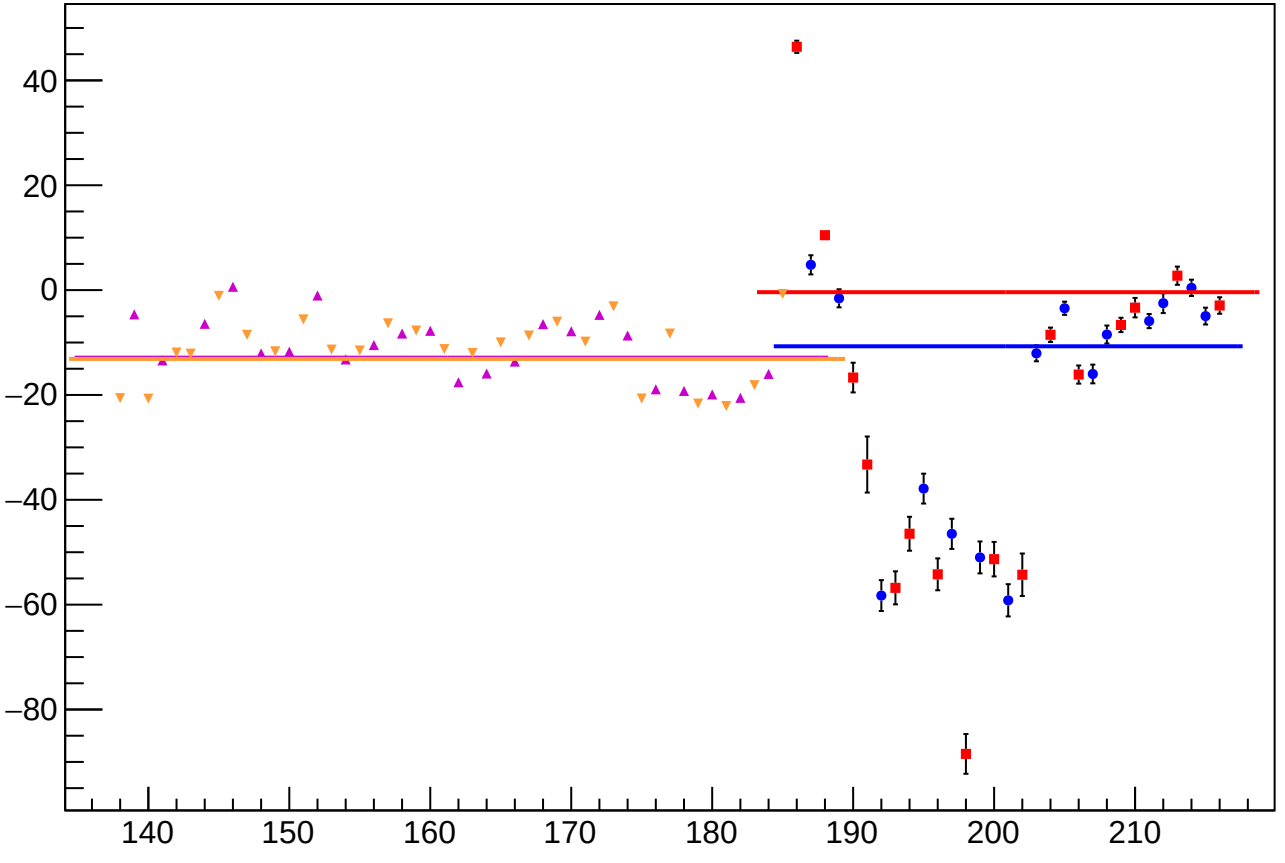
Right: 0.384+/-0.011 χ^2/NDF: 5234.0/30

In: 0.308+/-0.002 χ^2/NDF:2644.6/37

Out: 0.305+/-0.002 χ^2/NDF:5934.4/40

All: 0.306+/-0.001 χ^2/NDF: 8580.5/78

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.717+/-0.469 χ^2/NDF: 1170.4/14

Left Out: -13.125+/-0.094 χ^2/NDF:5977.6/24

Right Out: -0.396+/-0.447 χ^2/NDF: 3755.2/15

Left In: -12.885+/-0.095 χ^2/NDF:4776.2/22

Left: -13.007+/-0.067 χ^2/NDF: 10757.0/47

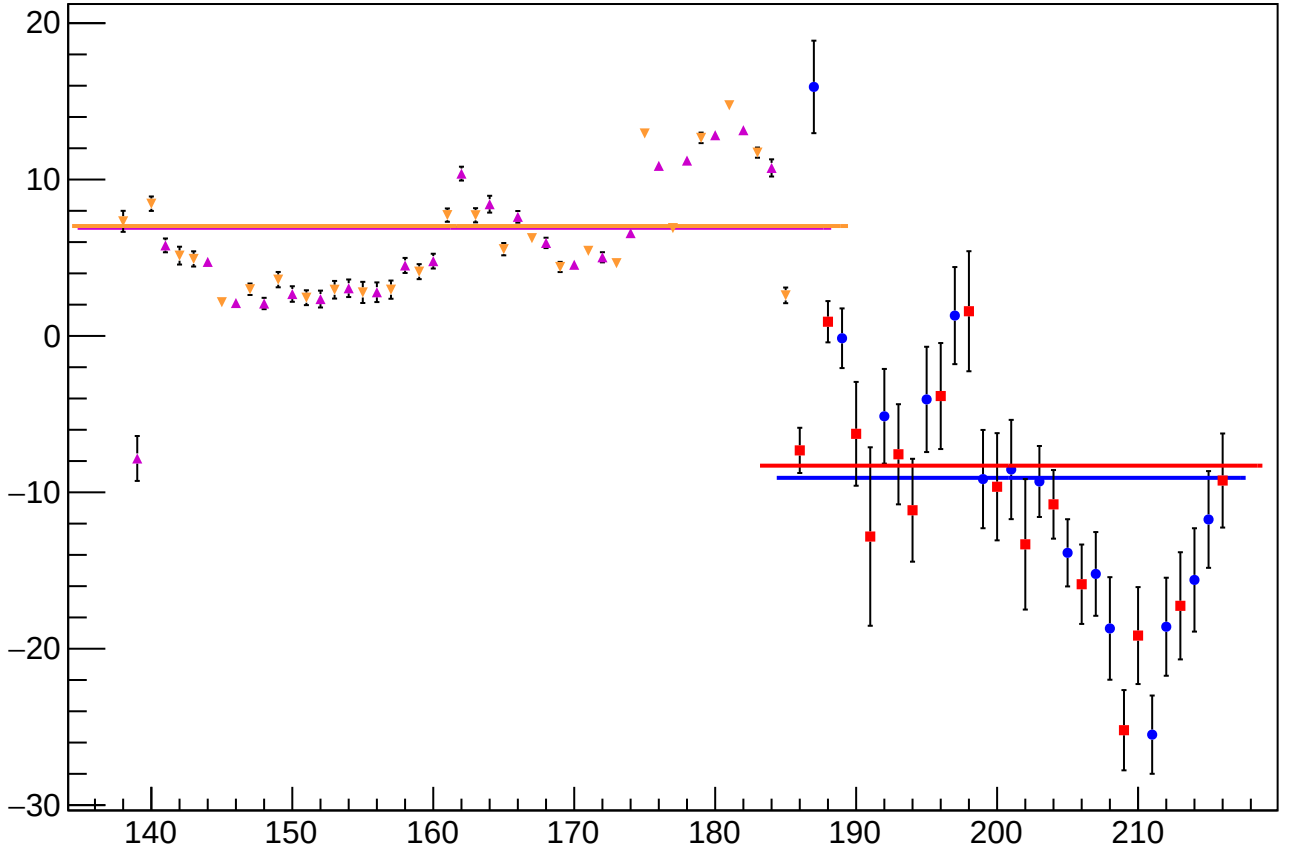
Right: -5.320+/-0.324 χ^2/NDF: 5179.4/30

In: -12.800+/-0.093 χ^2/NDF:5967.1/37

Out: -12.591+/-0.092 χ^2/NDF:10508.1/40

All: -12.693+/-0.065 χ^2/NDF: 16477.8/78

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.074+/-0.709 χ^2/NDF: 184.3/14

Left Out: 7.028+/-0.077 χ^2/NDF:2665.3/24

Right Out: -8.295+/-0.635 χ^2/NDF: 133.7/15

Left In: 6.914+/-0.078 χ^2/NDF:2428.2/22

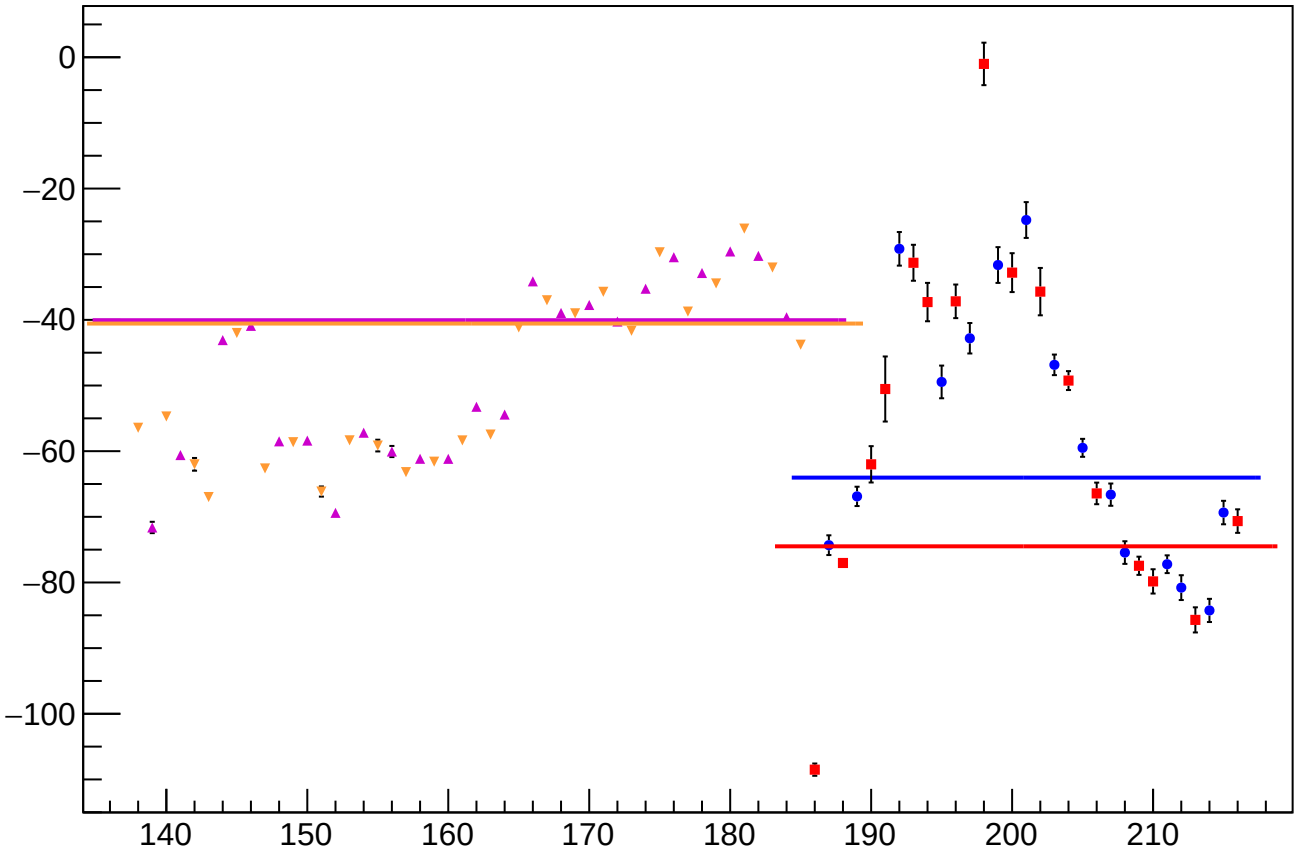
Left: 6.971+/-0.055 χ^2/NDF: 5094.6/47

Right: -8.642+/-0.473 χ^2/NDF: 318.7/30

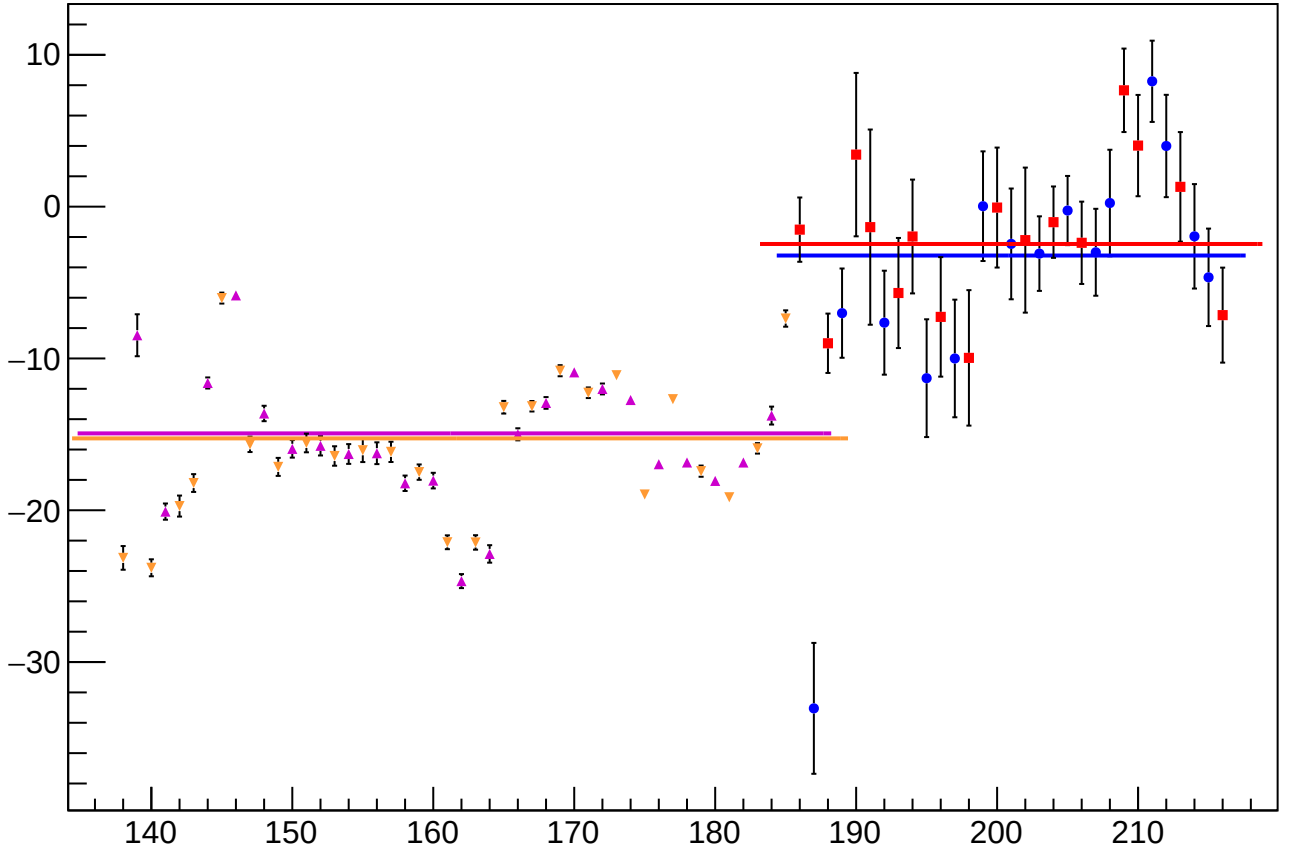
In: 6.724+/-0.077 χ^2/NDF:3115.5/37

Out: 6.805+/-0.077 χ^2/NDF:3372.0/40

All: 6.765+/-0.054 χ^2/NDF: 6488.0/78


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
140
150
160
170
180
190
200
210
Right In: -64.028+/-0.458 χ²/NDF: 1193.4/14
Left Out: -40.563+/-0.095 χ²/NDF:15637.6/24
Right Out: -74.493+/-0.408 χ²/NDF: 3212.6/15
Left In: -40.053+/-0.096 χ²/NDF:13927.3/22
Left: -40.310+/-0.067 χ²/NDF: 29579.2/47
Right: -69.873+/-0.305 χ²/NDF: 4697.2/30
In: -41.054+/-0.094 χ²/NDF:17742.1/37
Out: -42.302+/-0.092 χ²/NDF:25426.7/40
All: -41.687+/-0.066 χ²/NDF: 43259.0/78

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -3.219+/-0.814 χ^2/NDF: 85.4/14

Left Out: -15.266+/-0.086 χ^2/NDF:2595.5/24

Right Out: -2.459+/-0.783 χ^2/NDF: 39.2/15

Left In: -14.936+/-0.087 χ^2/NDF:2199.7/22

Left: -15.103+/-0.061 χ^2/NDF: 4802.4/47

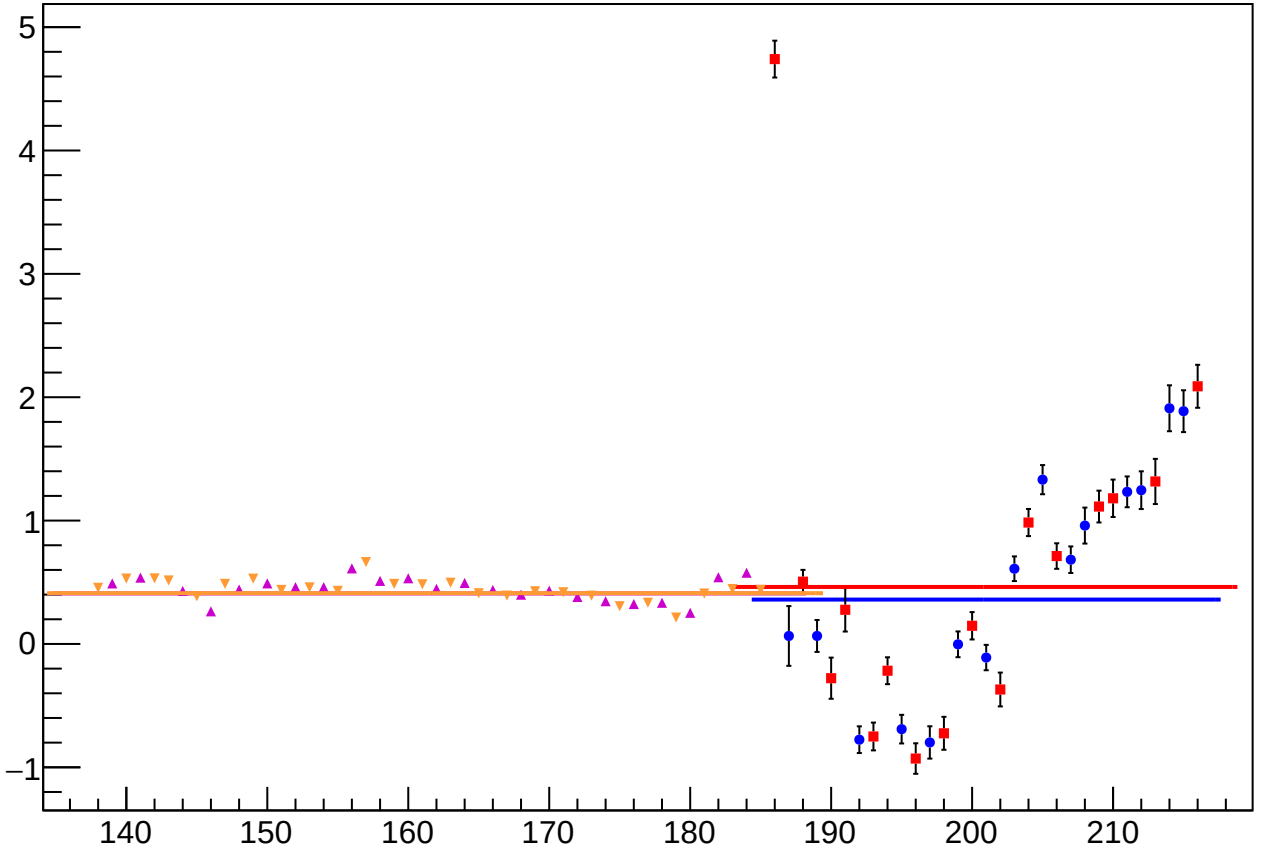
Right: -2.825+/-0.564 χ^2/NDF: 125.0/30

In: -14.804+/-0.086 χ^2/NDF:2490.2/37

Out: -15.113+/-0.085 χ^2/NDF:2898.9/40

All: -14.961+/-0.061 χ^2/NDF: 5395.5/78

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.360+/-0.032 χ^2/NDF: 642.6/14

Left Out: 0.411+/-0.004 χ^2/NDF:428.7/24

Right Out: 0.462+/-0.032 χ^2/NDF: 1431.8/15

Left In: 0.409+/-0.004 χ^2/NDF:557.8/22

Left: 0.410+/-0.003 χ^2/NDF: 986.7/47

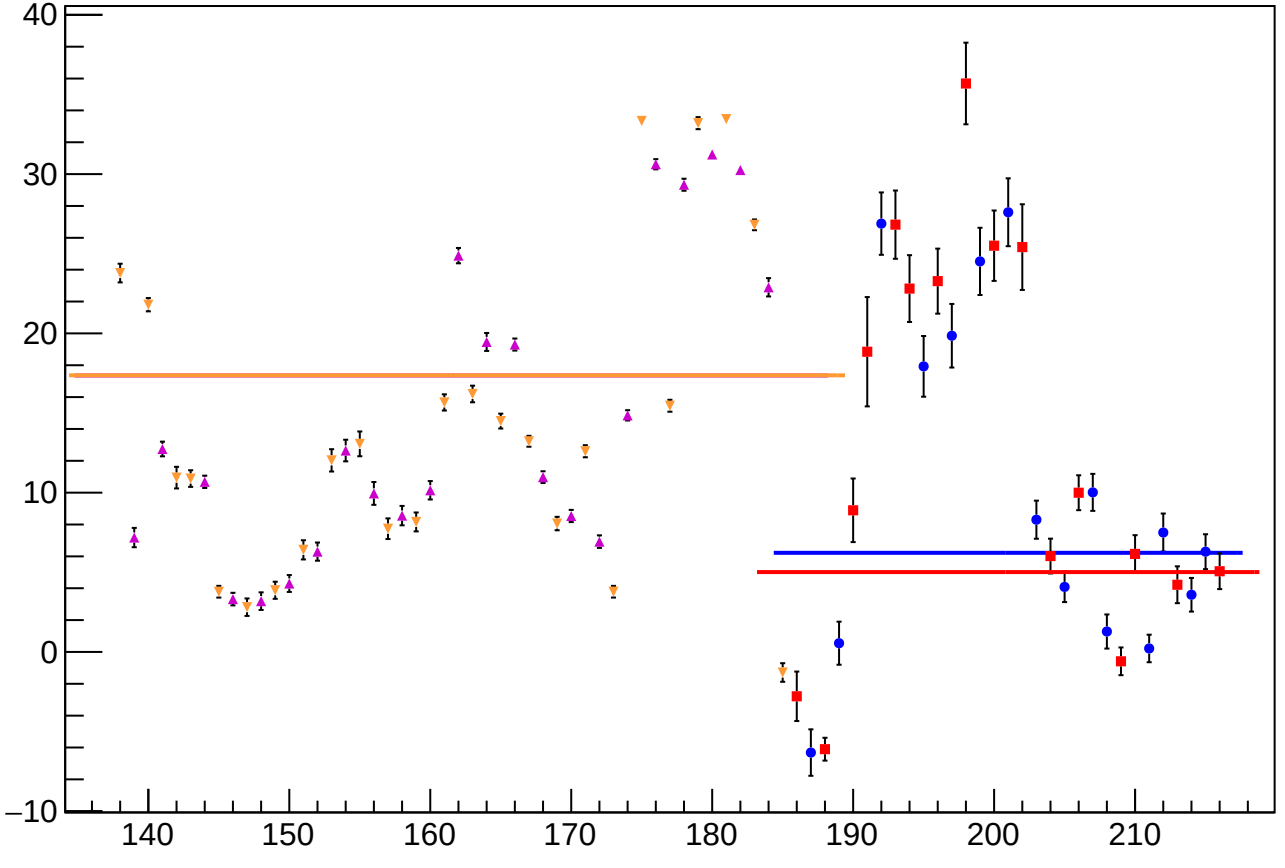
Right: 0.412+/-0.023 χ^2/NDF: 2079.5/30

In: 0.409+/-0.004 χ^2/NDF:1202.8/37

Out: 0.412+/-0.004 χ^2/NDF:1862.9/40

All: 0.410+/-0.003 χ^2/NDF: 3066.2/78

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.224+/-0.326 χ^2/NDF: 558.7/14

Left Out: 17.367+/-0.087 χ^2/NDF:16337.6/24

Right Out: 5.014+/-0.331 χ^2/NDF: 892.9/15

Left In: 17.355+/-0.089 χ^2/NDF:12745.1/22

Left: 17.361+/-0.062 χ^2/NDF: 29082.8/47

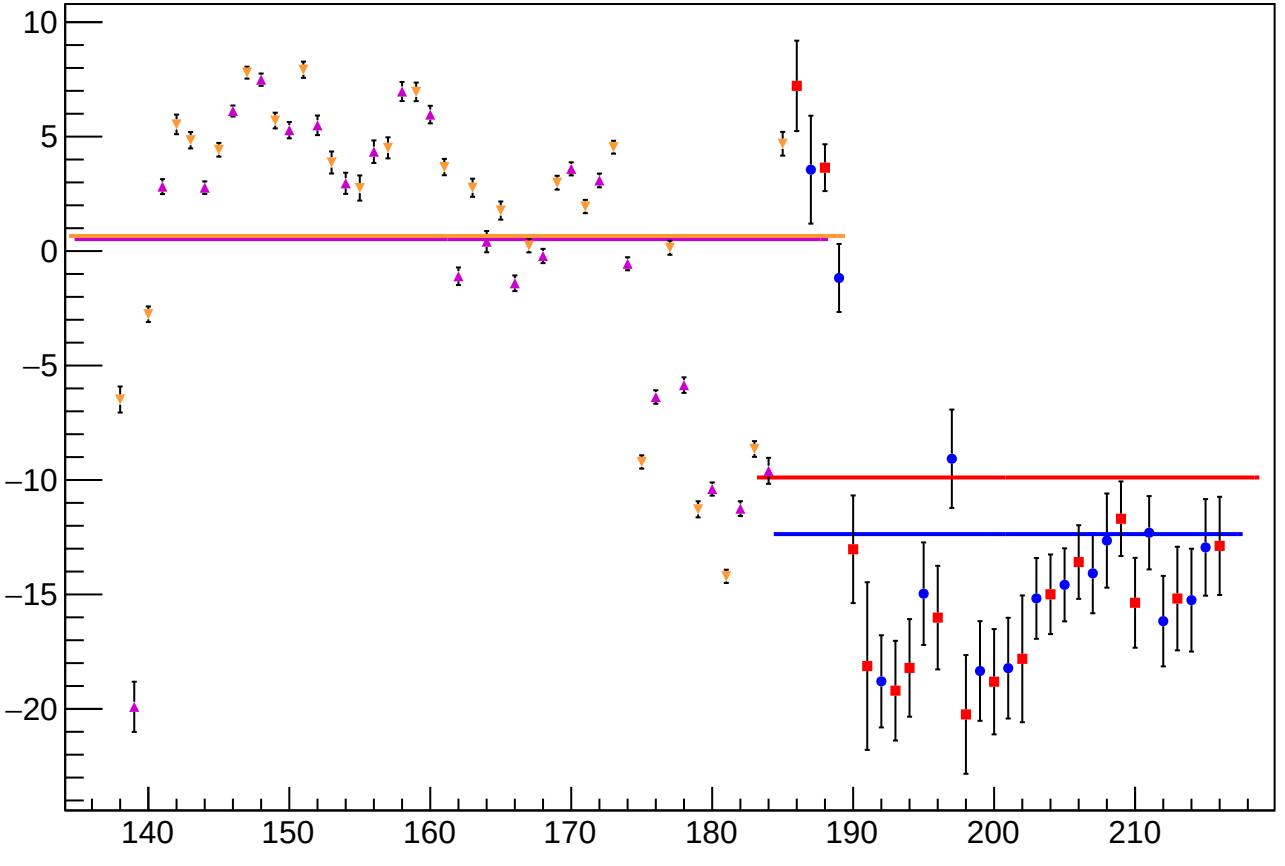
Right: 5.629+/-0.232 χ^2/NDF: 1458.3/30

In: 16.583+/-0.086 χ^2/NDF:14391.6/37

Out: 16.567+/-0.084 χ^2/NDF:18533.9/40

All: 16.575+/-0.060 χ^2/NDF: 32925.5/78

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.364+/-0.496 χ^2/NDF: 141.6/14

Left Out: 0.661+/-0.069 χ^2/NDF:8553.9/24

Right Out: -9.890+/-0.481 χ^2/NDF: 367.2/15

Left In: 0.524+/-0.071 χ^2/NDF:6729.7/22

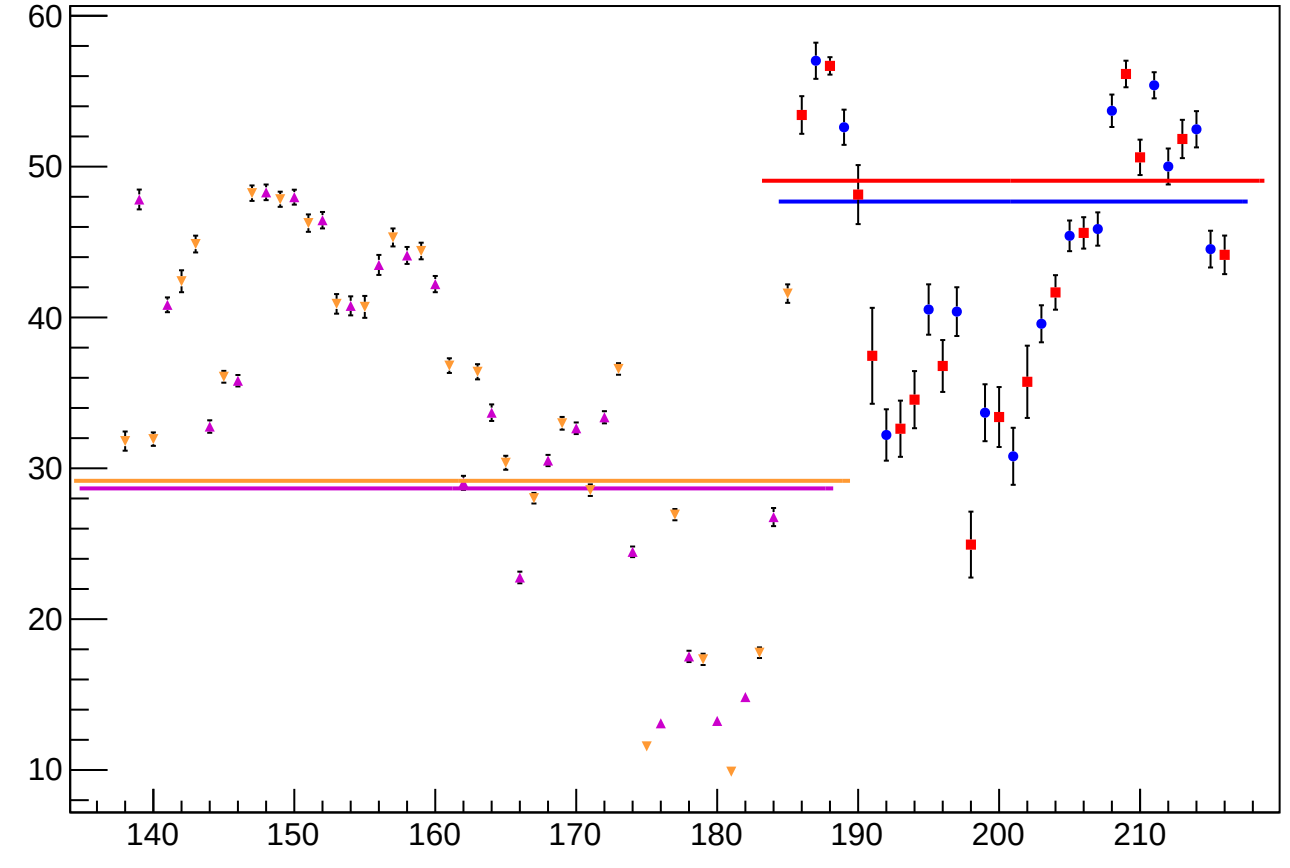
Left: 0.594+/-0.050 χ^2/NDF: 15285.5/47

Right: -11.088+/-0.345 χ^2/NDF: 521.6/30

In: 0.267+/-0.070 χ^2/NDF:7532.0/37

Out: 0.446+/-0.069 χ^2/NDF:9392.9/40

All: 0.358+/-0.049 χ^2/NDF: 16928.2/78



Right In: 47.685+/-0.320 χ^2/NDF: 522.8/14

Left Out: 29.171+/-0.088 χ^2/NDF:18974.7/24

Right Out: 49.064+/-0.309 χ^2/NDF: 740.0/15

Left In: 28.667+/-0.089 χ^2/NDF:16847.2/22

Left: 28.923+/-0.063 χ^2/NDF: 35838.1/47

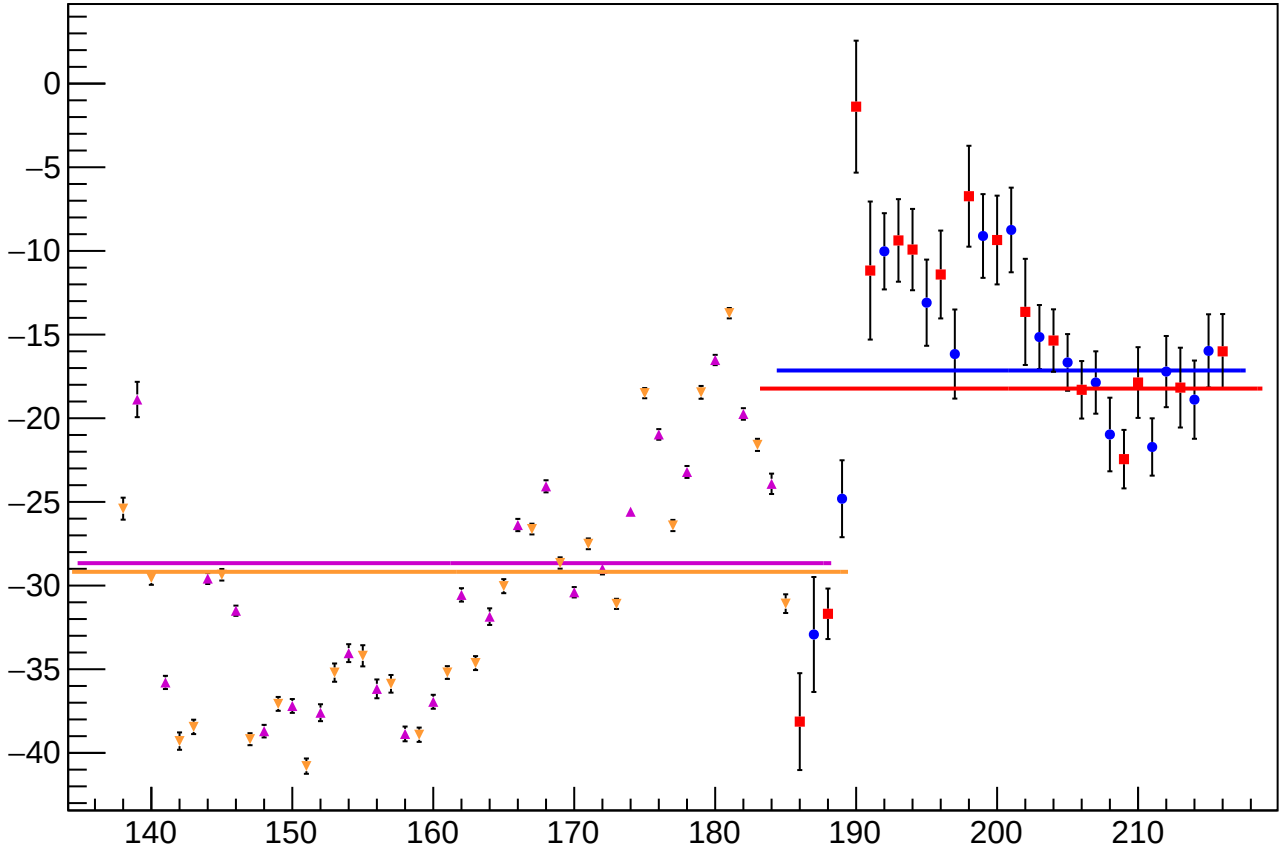
Right: 48.397+/-0.222 χ^2/NDF: 1272.4/30

In: 30.040+/-0.086 χ^2/NDF:20656.9/37

Out: 30.655+/-0.084 χ^2/NDF:23546.7/40

All: 30.353+/-0.060 χ^2/NDF: 44229.8/78

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -17.146+/-0.564 χ^2/NDF: 78.3/14

Left Out: -29.178+/-0.078 χ^2/NDF:9081.4/24

Right Out: -18.227+/-0.571 χ^2/NDF: 216.4/15

Left In: -28.660+/-0.080 χ^2/NDF:6670.1/22

Left: -28.924+/-0.056 χ^2/NDF: 15773.0/47

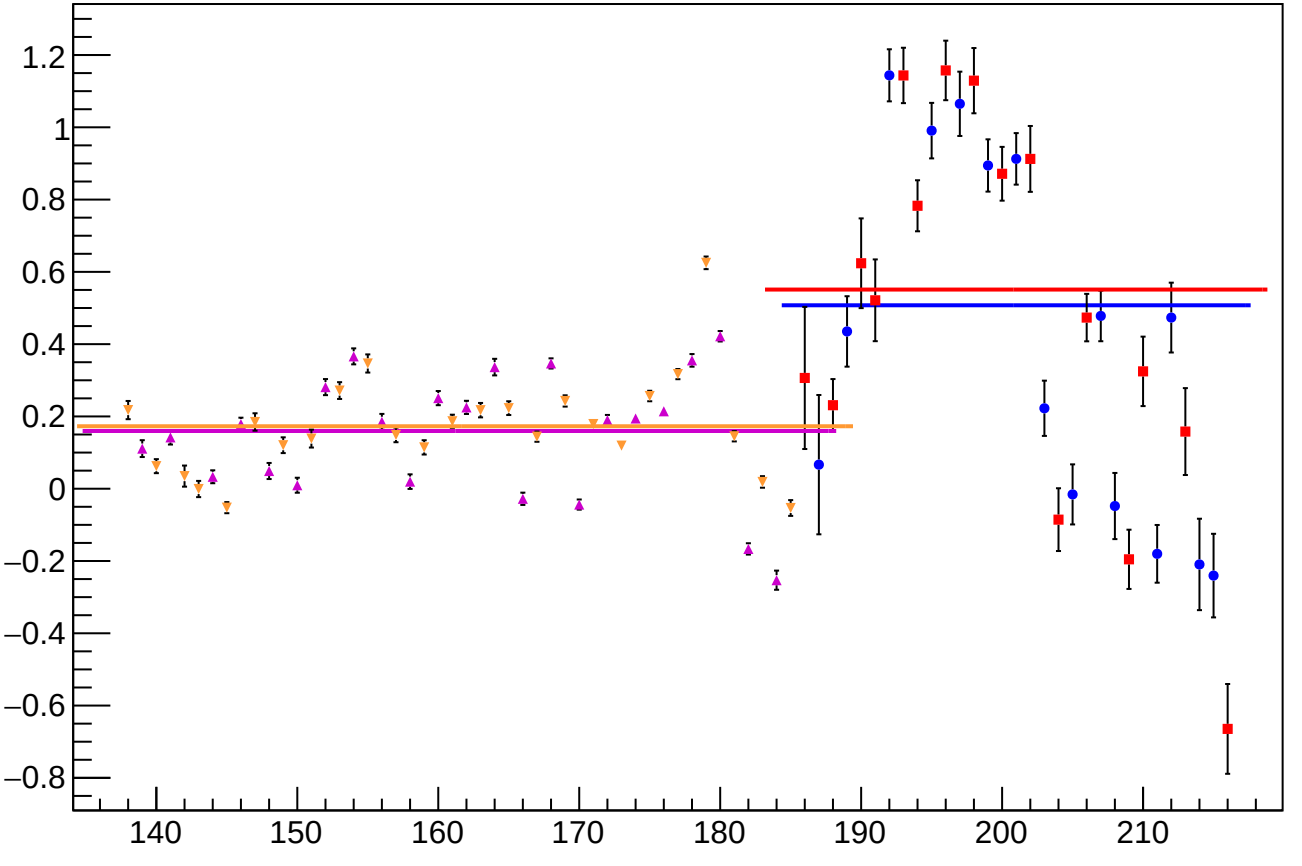
Right: -17.679+/-0.401 χ^2/NDF: 296.4/30

In: -28.434+/-0.079 χ^2/NDF:7157.0/37

Out: -28.977+/-0.077 χ^2/NDF:9658.7/40

All: -28.711+/-0.055 χ^2/NDF: 16839.7/78

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.508+/-0.022 χ^2/NDF: 462.2/14

Left Out: 0.173+/-0.004 χ^2/NDF:1478.5/24

Right Out: 0.551+/-0.022 χ^2/NDF: 471.6/15

Left In: 0.160+/-0.004 χ^2/NDF:2057.9/22

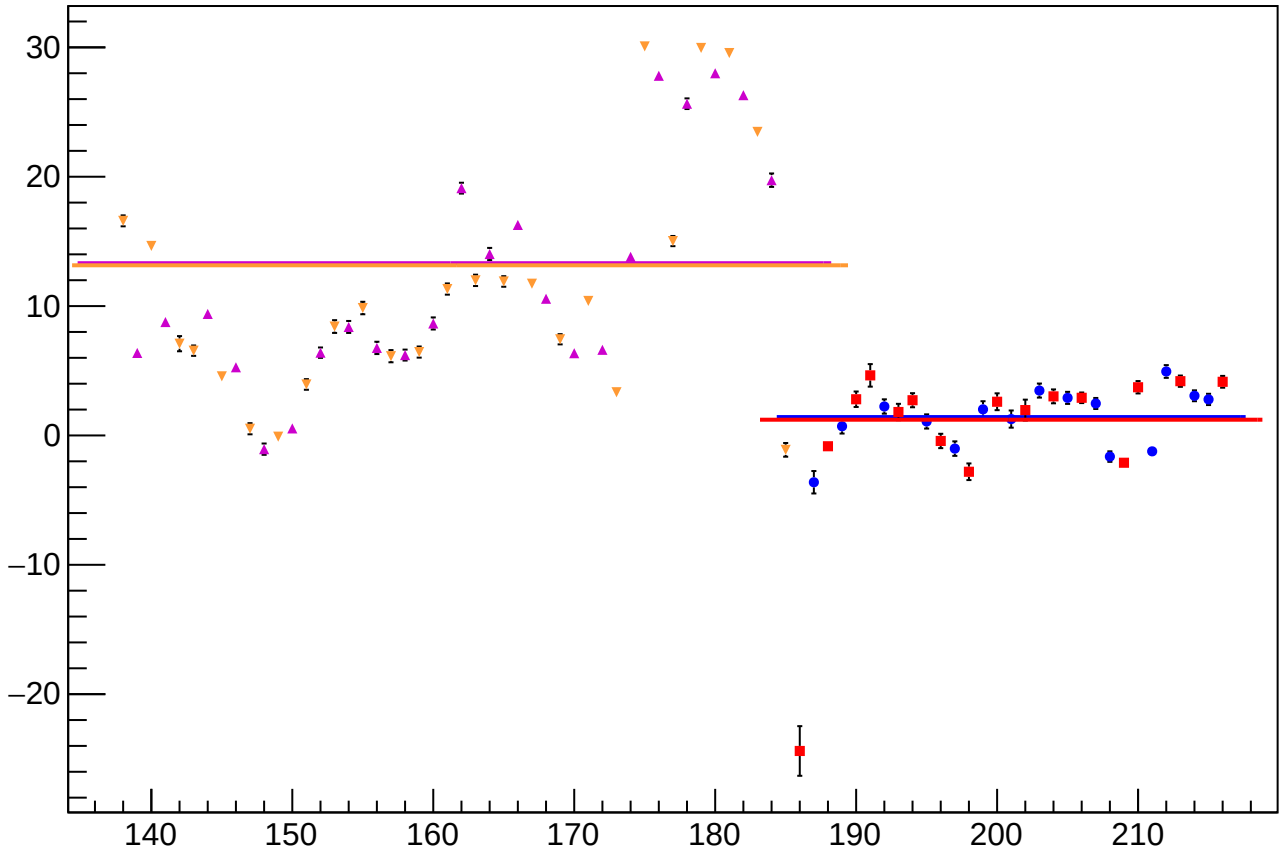
Left: 0.166+/-0.003 χ^2/NDF: 3542.9/47

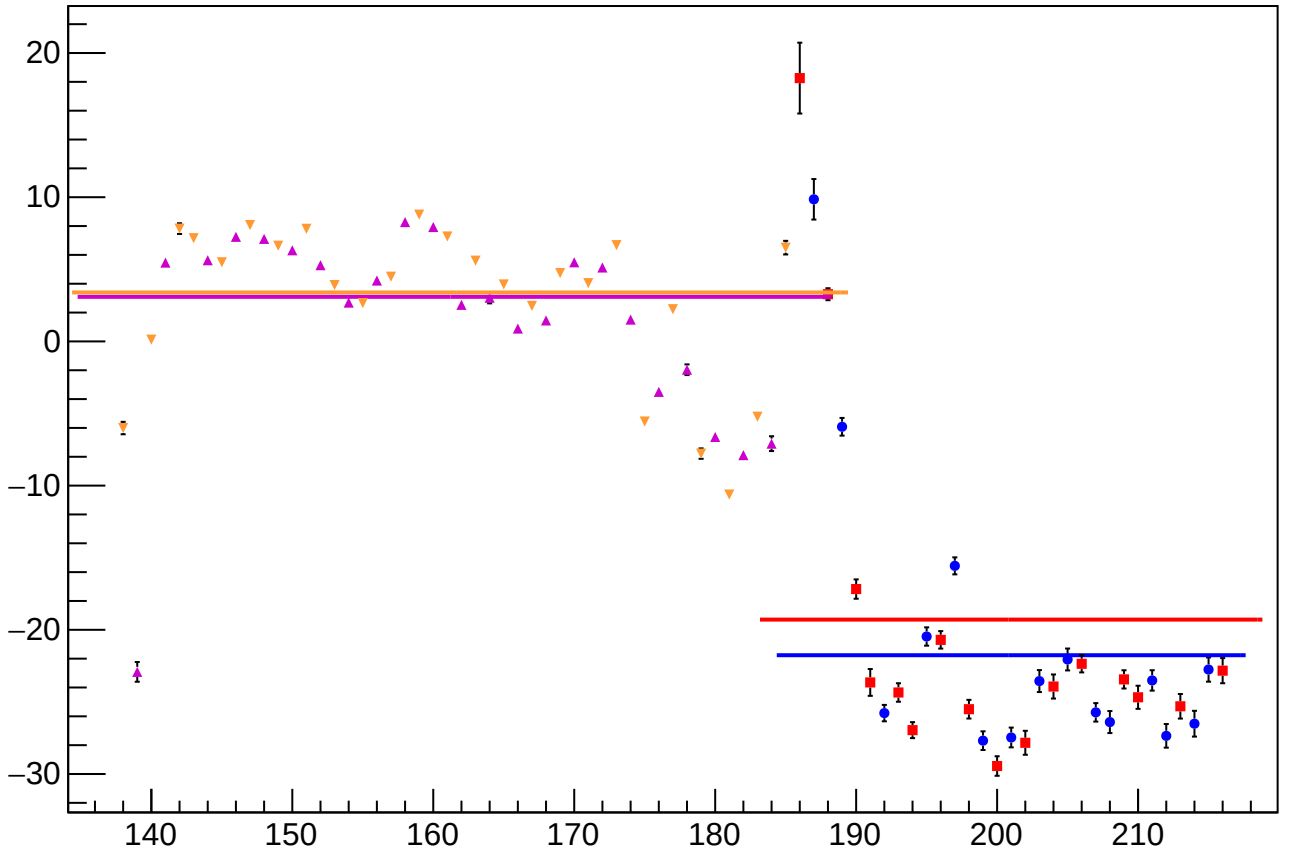
Right: 0.529+/-0.016 χ^2/NDF: 935.8/30

In: 0.169+/-0.004 χ^2/NDF:2761.5/37

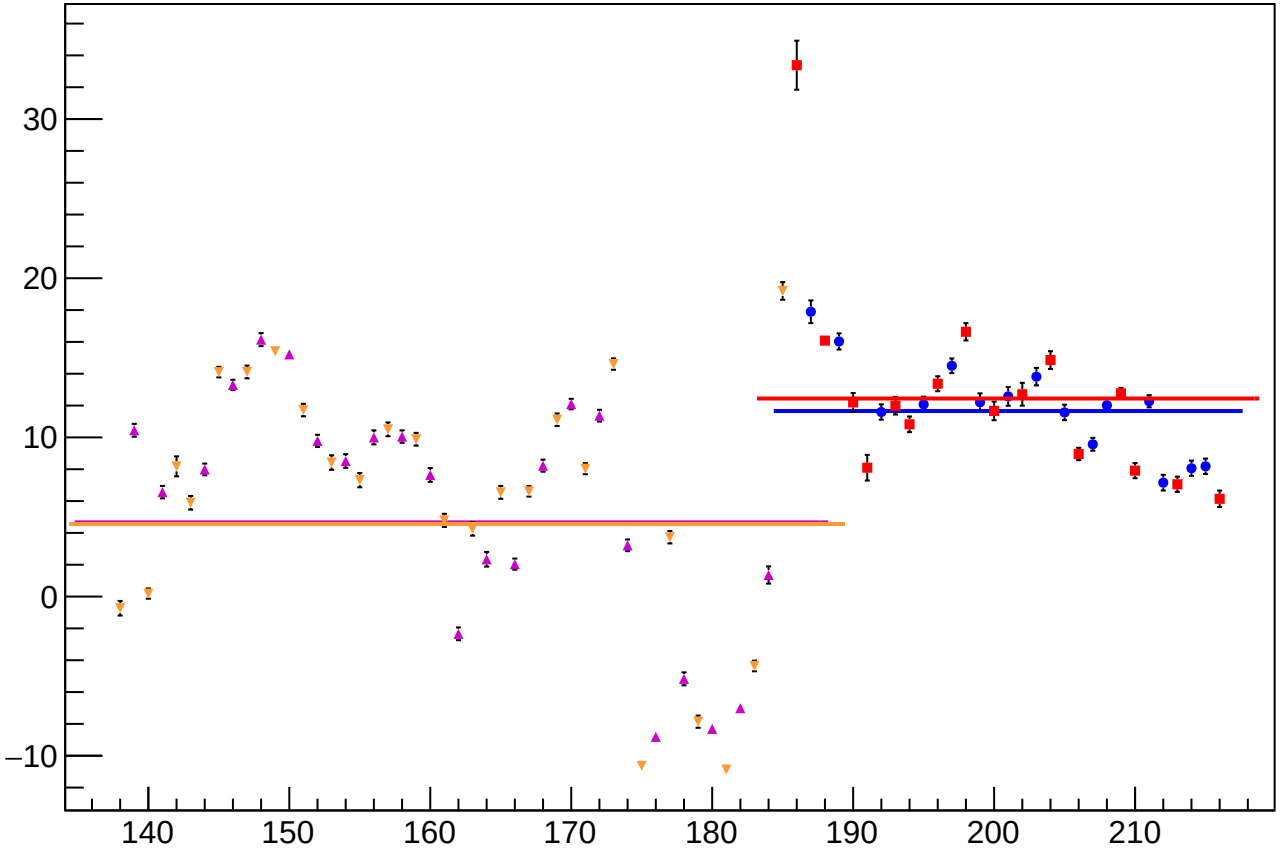
Out: 0.183+/-0.004 χ^2/NDF:2236.9/40

All: 0.176+/-0.003 χ^2/NDF: 5005.6/78


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
140
150
160
170
180
190
200
210
Right In: 1.420+/-0.129 χ²/NDF: 269.1/14
Left Out: 13.153+/-0.075 χ²/NDF:17079.7/24
Right Out: 1.216+/-0.124 χ²/NDF: 556.5/15
Left In: 13.315+/-0.077 χ²/NDF:13977.7/22
Left: 13.232+/-0.054 χ²/NDF: 31059.6/47
Right: 1.315+/-0.089 χ²/NDF: 826.9/30
In: 10.169+/-0.066 χ²/NDF:20540.1/37
Out: 9.941+/-0.064 χ²/NDF:24413.3/40
All: 10.052+/-0.046 χ²/NDF: 44959.6/78


reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
140
150
160
170
180
190
200
210
Right In: -21.762+/-0.183 χ²/NDF: 1651.6/14
Left Out: 3.396+/-0.058 χ²/NDF:8101.5/24
Right Out: -19.292+/-0.170 χ²/NDF: 4122.7/15
Left In: 3.092+/-0.061 χ²/NDF:7104.4/22
Left: 3.250+/-0.042 χ²/NDF: 15218.9/47
Right: -20.433+/-0.124 χ²/NDF: 5872.3/30
In: 0.638+/-0.058 χ²/NDF:25379.6/37
Out: 0.993+/-0.055 χ²/NDF:28222.2/40
All: 0.823+/-0.040 χ²/NDF: 53621.6/78

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 11.658+/-0.125 χ^2/NDF: 429.4/14

Left Out: 4.561+/-0.075 χ^2/NDF:13592.1/24

Right Out: 12.443+/-0.116 χ^2/NDF: 1007.5/15

Left In: 4.662+/-0.077 χ^2/NDF:11281.5/22

Left: 4.610+/-0.054 χ^2/NDF: 24874.4/47

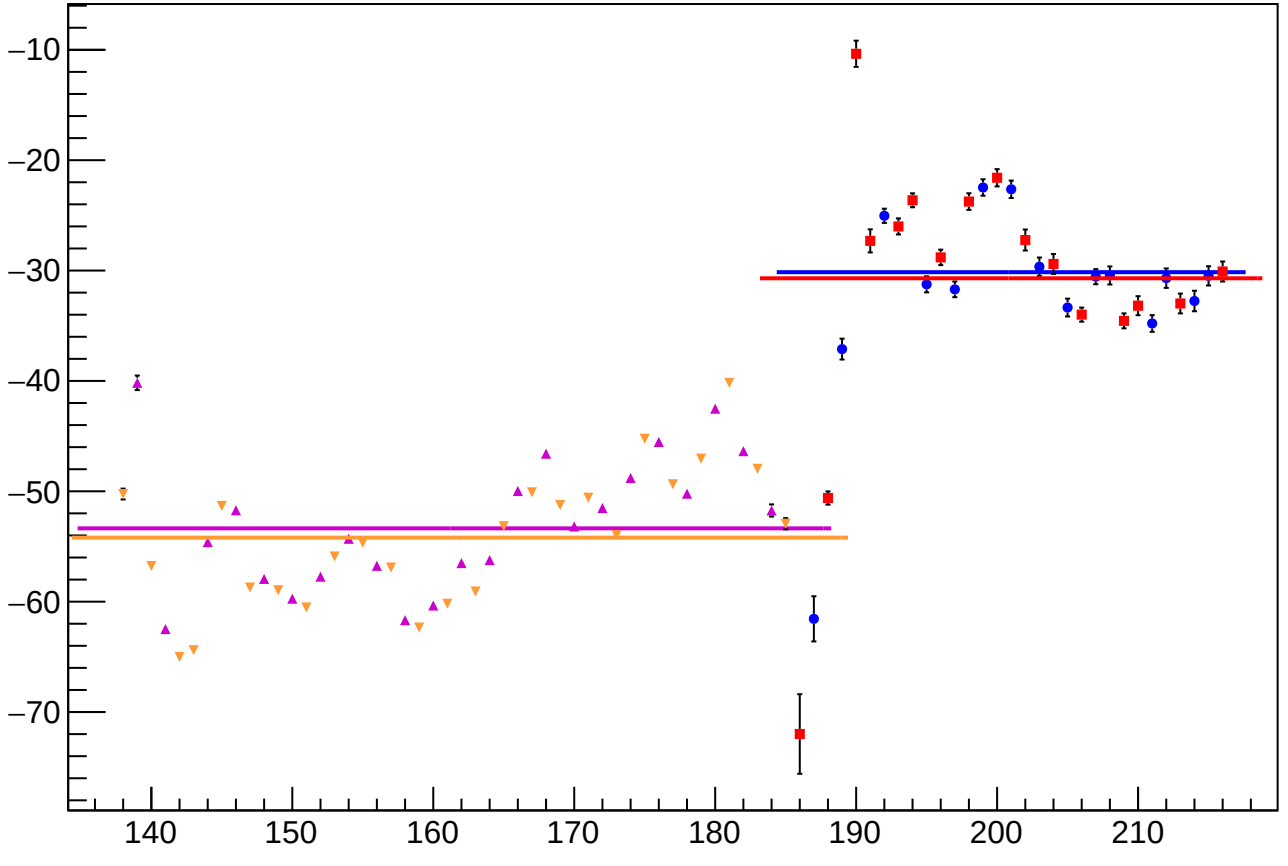
Right: 12.080+/-0.085 χ^2/NDF: 1458.3/30

In: 6.589+/-0.065 χ^2/NDF:13995.3/37

Out: 6.915+/-0.063 χ^2/NDF:17864.7/40

All: 6.758+/-0.045 χ^2/NDF: 31872.9/78

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.146+/-0.208 χ^2/NDF: 619.5/14

Left Out: -54.199+/-0.066 χ^2/NDF:8454.7/24

Right Out: -30.701+/-0.200 χ^2/NDF: 2024.2/15

Left In: -53.359+/-0.068 χ^2/NDF:6882.0/22

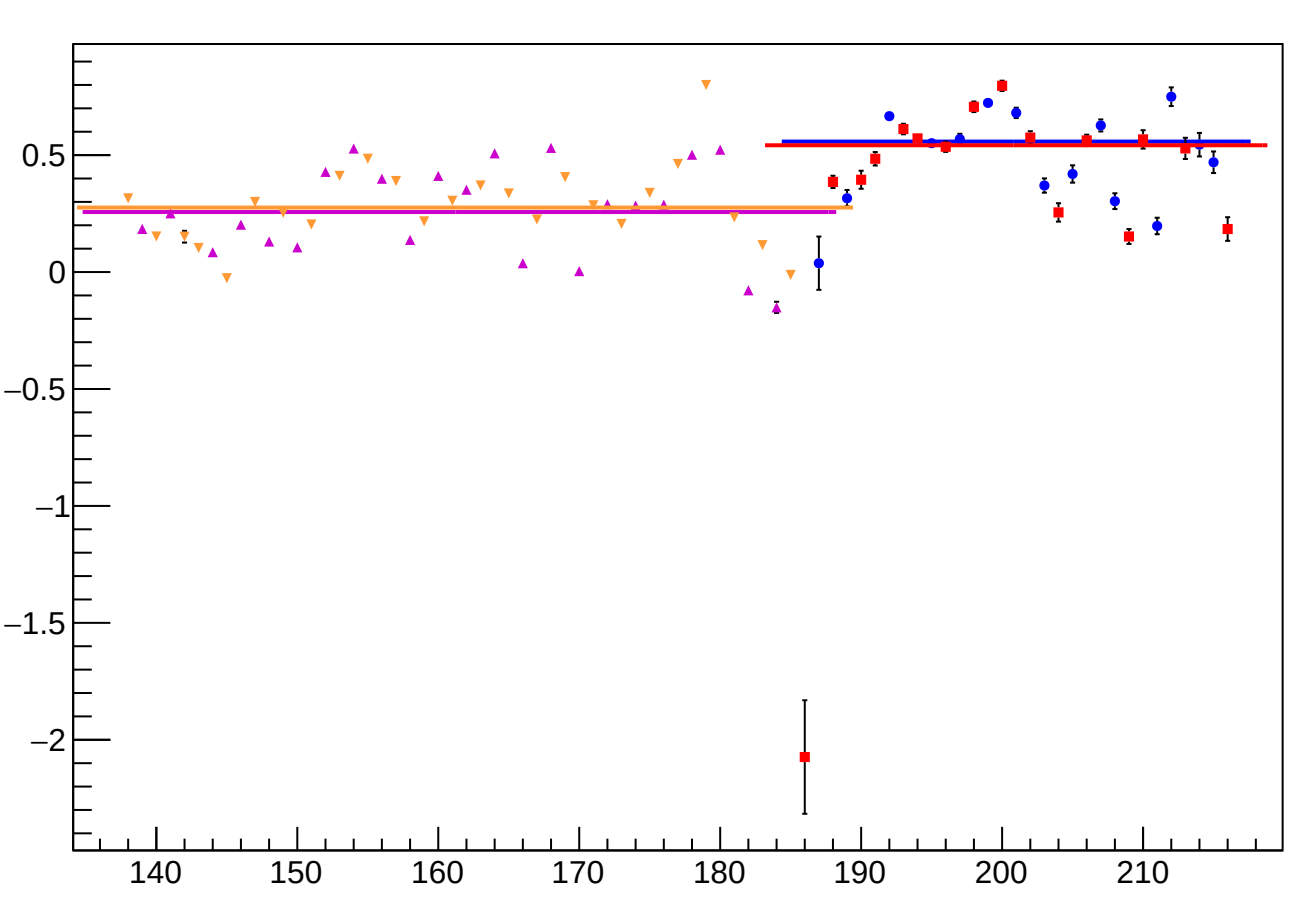
Left: -53.792+/-0.048 χ^2/NDF: 15414.3/47

Right: -30.435+/-0.144 χ^2/NDF: 2647.5/30

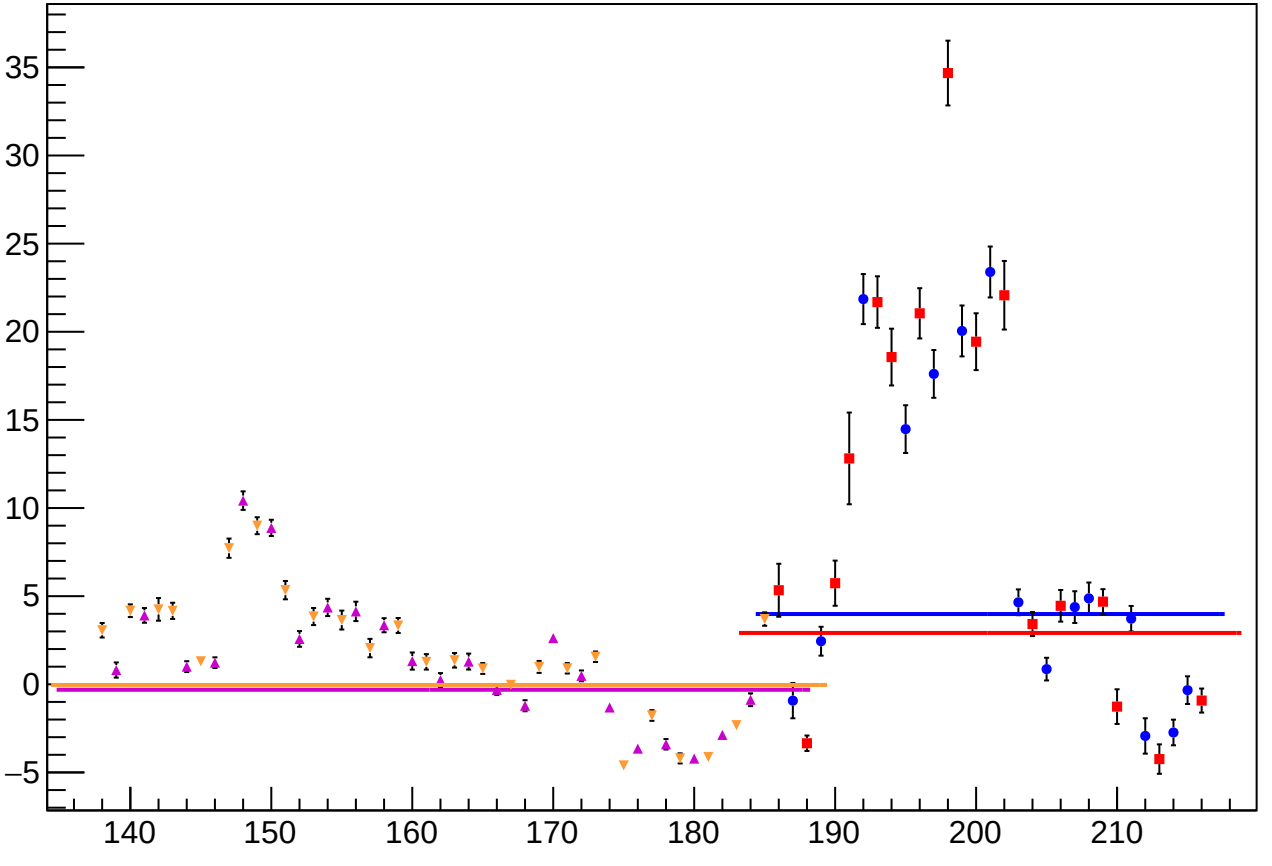
In: -51.085+/-0.065 χ^2/NDF:18753.7/37

Out: -51.860+/-0.063 χ^2/NDF:22950.4/40

All: -51.485+/-0.045 χ^2/NDF: 41777.2/78


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
140
150
160
170
180
190
200
210
Right In: 0.558+/-0.007 χ²/NDF: 434.4/14
Left Out: 0.276+/-0.003 χ²/NDF:2623.6/24
Right Out: 0.542+/-0.007 χ²/NDF: 626.3/15
Left In: 0.257+/-0.003 χ²/NDF:3623.9/22
Left: 0.266+/-0.002 χ²/NDF: 6267.0/47
Right: 0.549+/-0.005 χ²/NDF: 1063.1/30
In: 0.301+/-0.003 χ²/NDF:5453.4/37
Out: 0.319+/-0.003 χ²/NDF:4473.1/40
All: 0.310+/-0.002 χ²/NDF: 9945.3/78

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.986+/-0.234 χ^2/NDF: 839.9/14

Left Out: -0.037+/-0.066 χ^2/NDF:2637.7/24

Right Out: 2.914+/-0.231 χ^2/NDF: 1280.1/15

Left In: -0.310+/-0.067 χ^2/NDF:2250.5/22

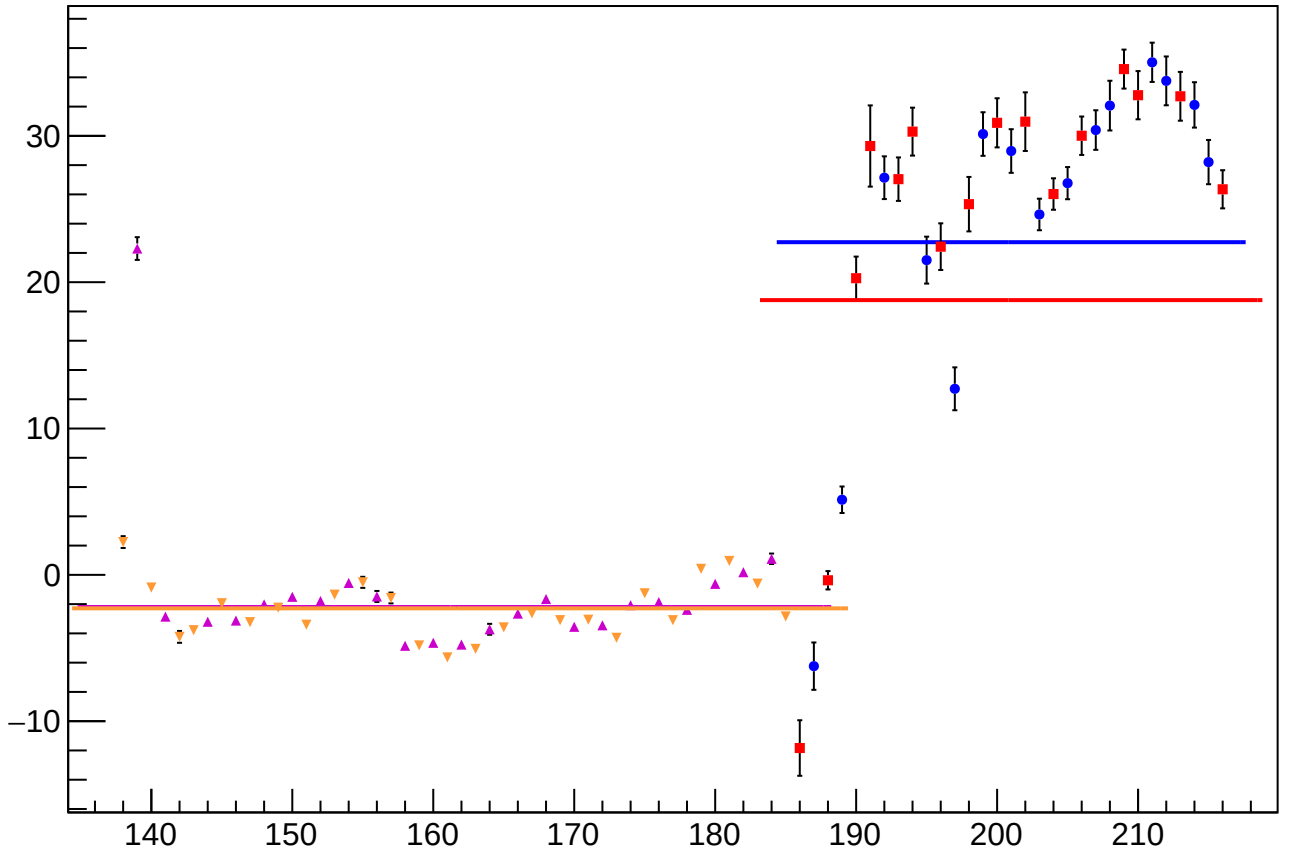
Left: -0.171+/-0.047 χ^2/NDF: 4896.5/47

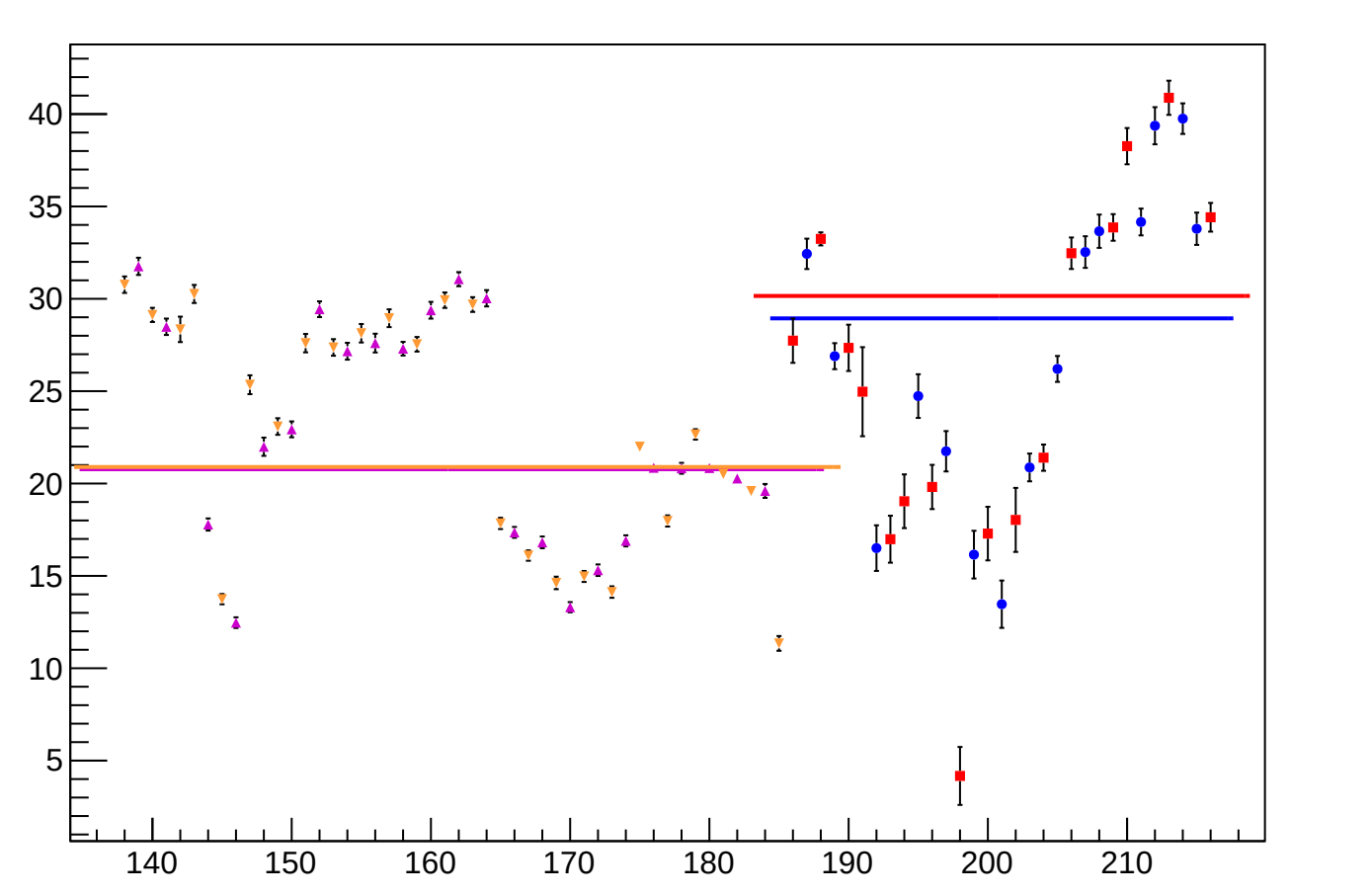
Right: 3.443+/-0.165 χ^2/NDF: 2130.6/30

In: 0.017+/-0.065 χ^2/NDF:3400.7/37

Out: 0.185+/-0.063 χ^2/NDF:4068.2/40

All: 0.103+/-0.045 χ^2/NDF: 7472.3/78


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
140
150
160
170
180
190
200
210
Right In: 22.734+/-0.350 χ²/NDF: 1053.5/14
Left Out: -2.288+/-0.054 χ²/NDF:1137.7/24
Right Out: 18.775+/-0.336 χ²/NDF: 1827.6/15
Left In: -2.198+/-0.055 χ²/NDF:1673.9/22
Left: -2.244+/-0.039 χ²/NDF: 2813.0/47
Right: 20.677+/-0.242 χ²/NDF: 2947.7/30
In: -1.594+/-0.054 χ²/NDF:7686.8/37
Out: -1.756+/-0.053 χ²/NDF:6788.5/40
All: -1.677+/-0.038 χ²/NDF: 14479.8/78



Right In: 28.940+/-0.230 χ^2/NDF: 964.0/14

Left Out: 20.894+/-0.067 χ^2/NDF:6655.4/24

Right Out: 30.155+/-0.215 χ^2/NDF: 1149.9/15

Left In: 20.774+/-0.068 χ^2/NDF:5927.9/22

Left: 20.835+/-0.047 χ^2/NDF: 12584.8/47

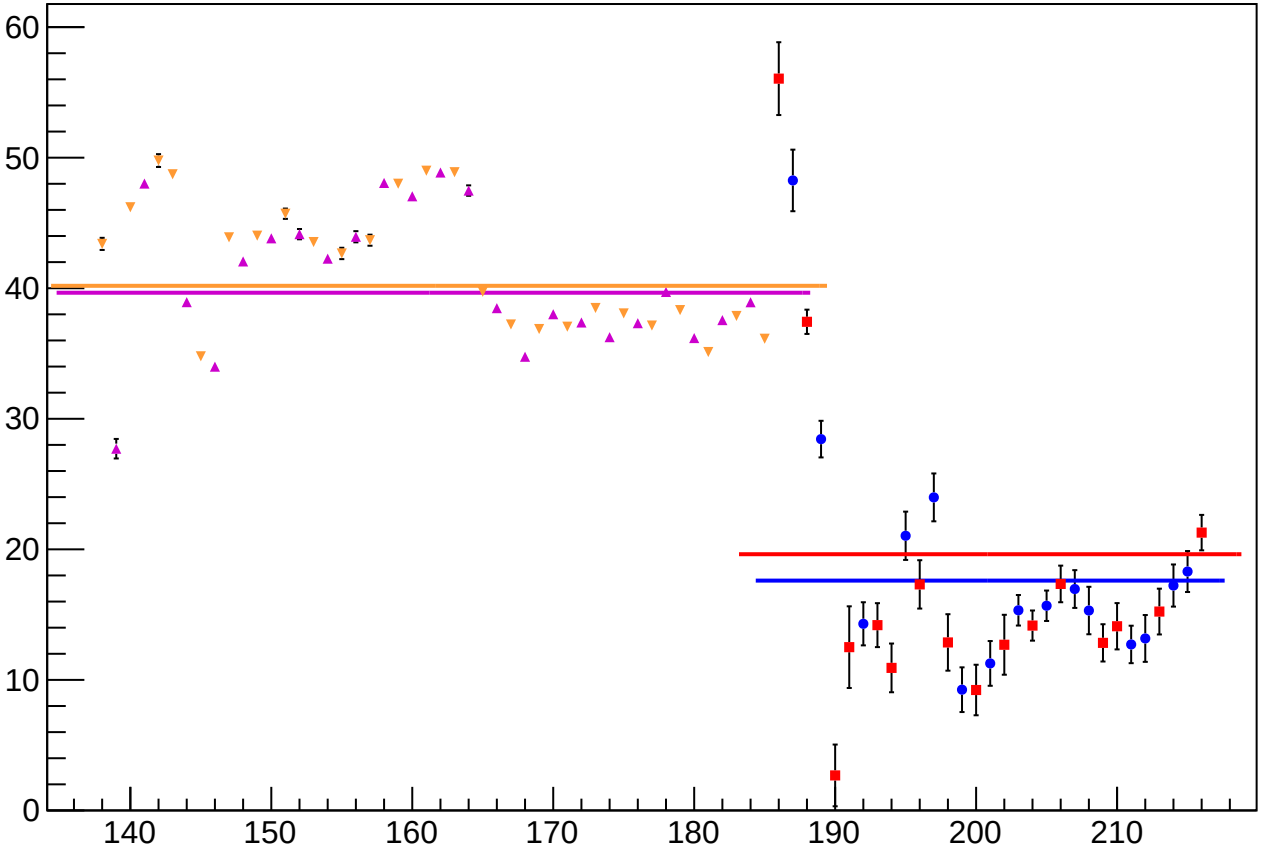
Right: 29.587+/-0.157 χ^2/NDF: 2128.9/30

In: 21.424+/-0.065 χ^2/NDF:8056.0/37

Out: 21.707+/-0.064 χ^2/NDF:9497.3/40

All: 21.568+/-0.045 χ^2/NDF: 17563.0/78

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 17.606+/-0.403 χ^2/NDF: 312.0/14

Left Out: 40.186+/-0.060 χ^2/NDF:5932.7/24

Right Out: 19.627+/-0.405 χ^2/NDF: 740.2/15

Left In: 39.655+/-0.061 χ^2/NDF:5298.6/22

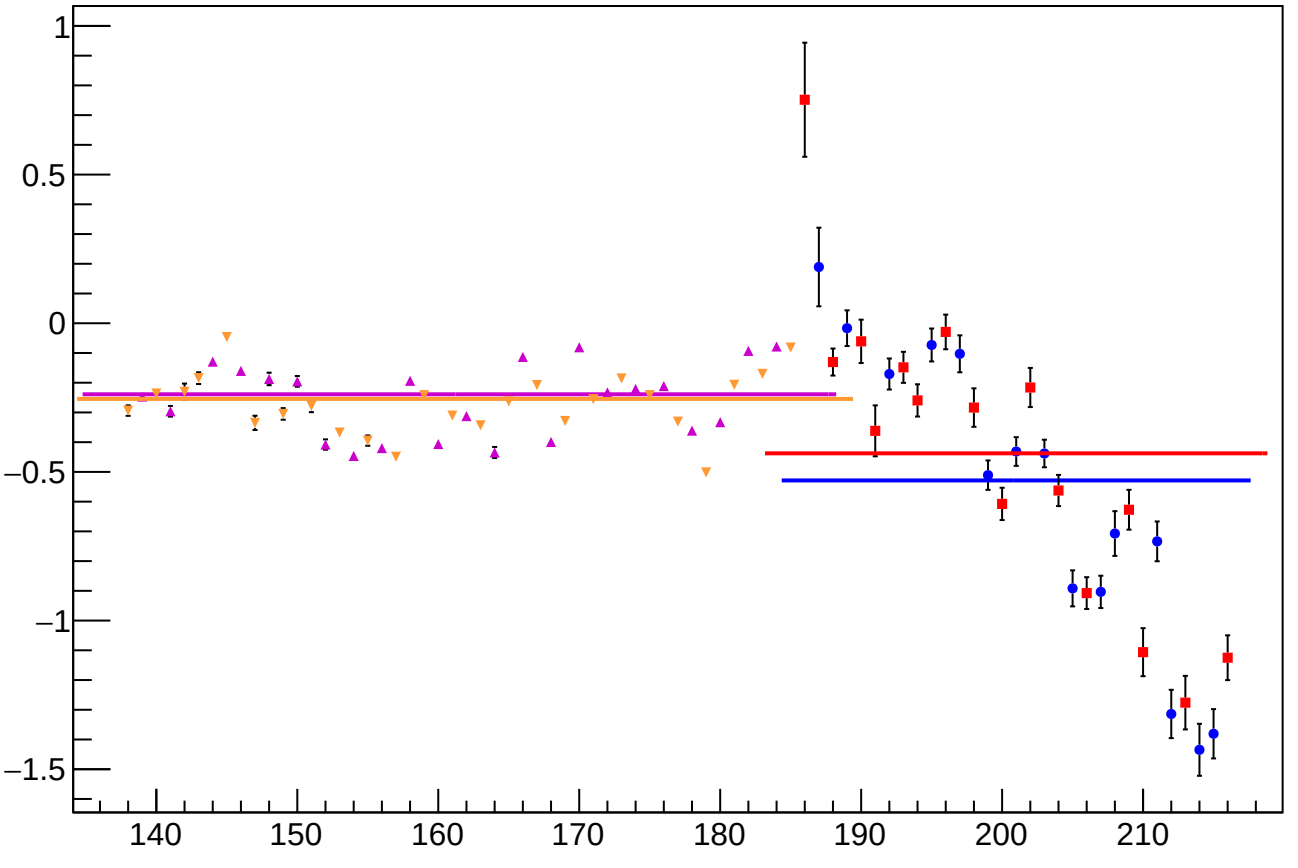
Left: 39.925+/-0.043 χ^2/NDF: 11269.2/47

Right: 18.612+/-0.286 χ^2/NDF: 1064.7/30

In: 39.154+/-0.061 χ^2/NDF:8538.0/37

Out: 39.738+/-0.060 χ^2/NDF:9196.6/40

All: 39.451+/-0.043 χ^2/NDF: 17781.7/78



Right In: -0.529+/-0.016 χ^2/NDF: 676.6/14

Left Out: -0.255+/-0.003 χ^2/NDF:1420.4/24

Right Out: -0.437+/-0.016 χ^2/NDF: 558.3/15

Left In: -0.239+/-0.003 χ^2/NDF:1750.5/22

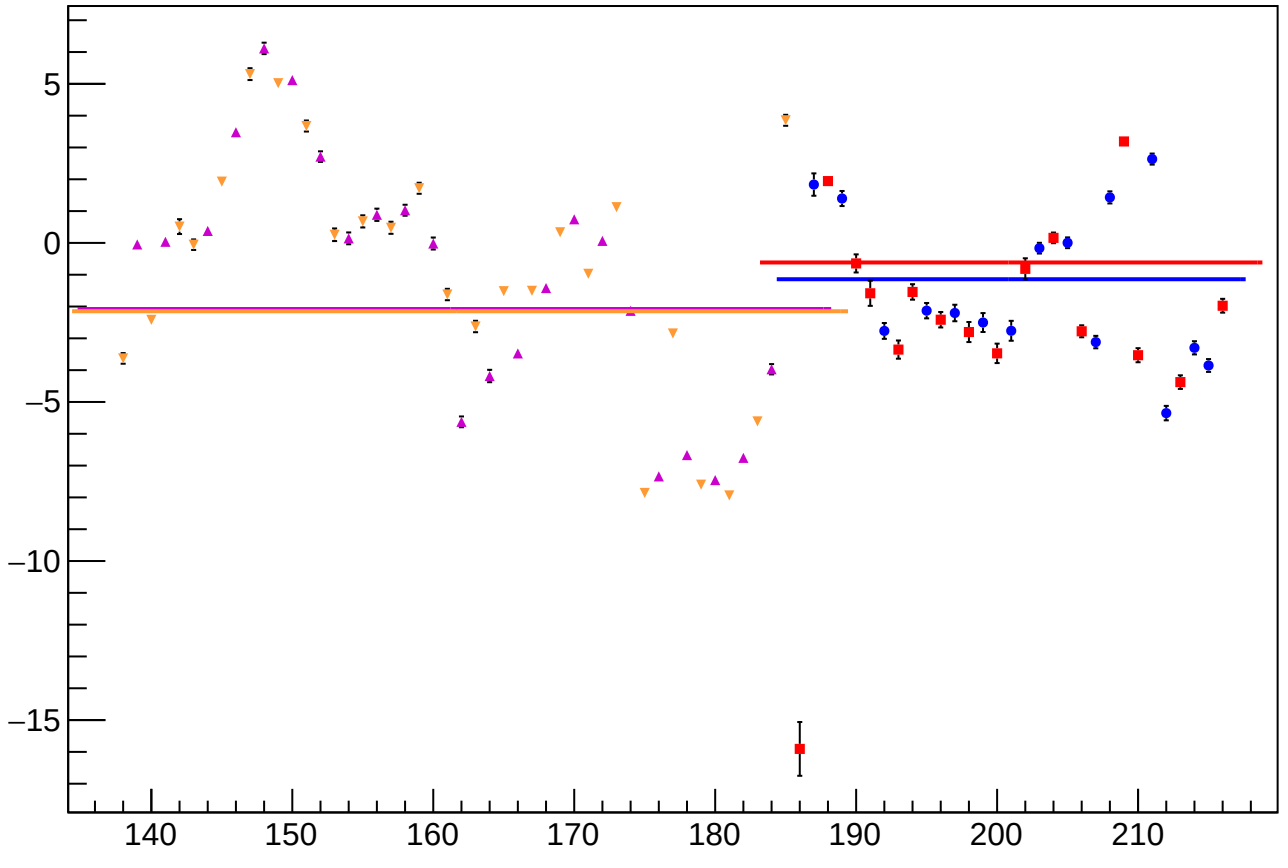
Left: -0.247+/-0.002 χ^2/NDF: 3186.7/47

Right: -0.483+/-0.011 χ^2/NDF: 1251.6/30

In: -0.248+/-0.003 χ^2/NDF:2754.8/37

Out: -0.260+/-0.003 χ^2/NDF:2109.7/40

All: -0.254+/-0.002 χ^2/NDF: 4874.5/78



Right In: -1.142+/-0.056 χ^2/NDF: 1778.4/14

Left Out: -2.149+/-0.026 χ^2/NDF:24536.3/24

Right Out: -0.615+/-0.054 χ^2/NDF: 2431.1/15

Left In: -2.078+/-0.026 χ^2/NDF:23245.8/22

Left: -2.114+/-0.018 χ^2/NDF: 47785.8/47

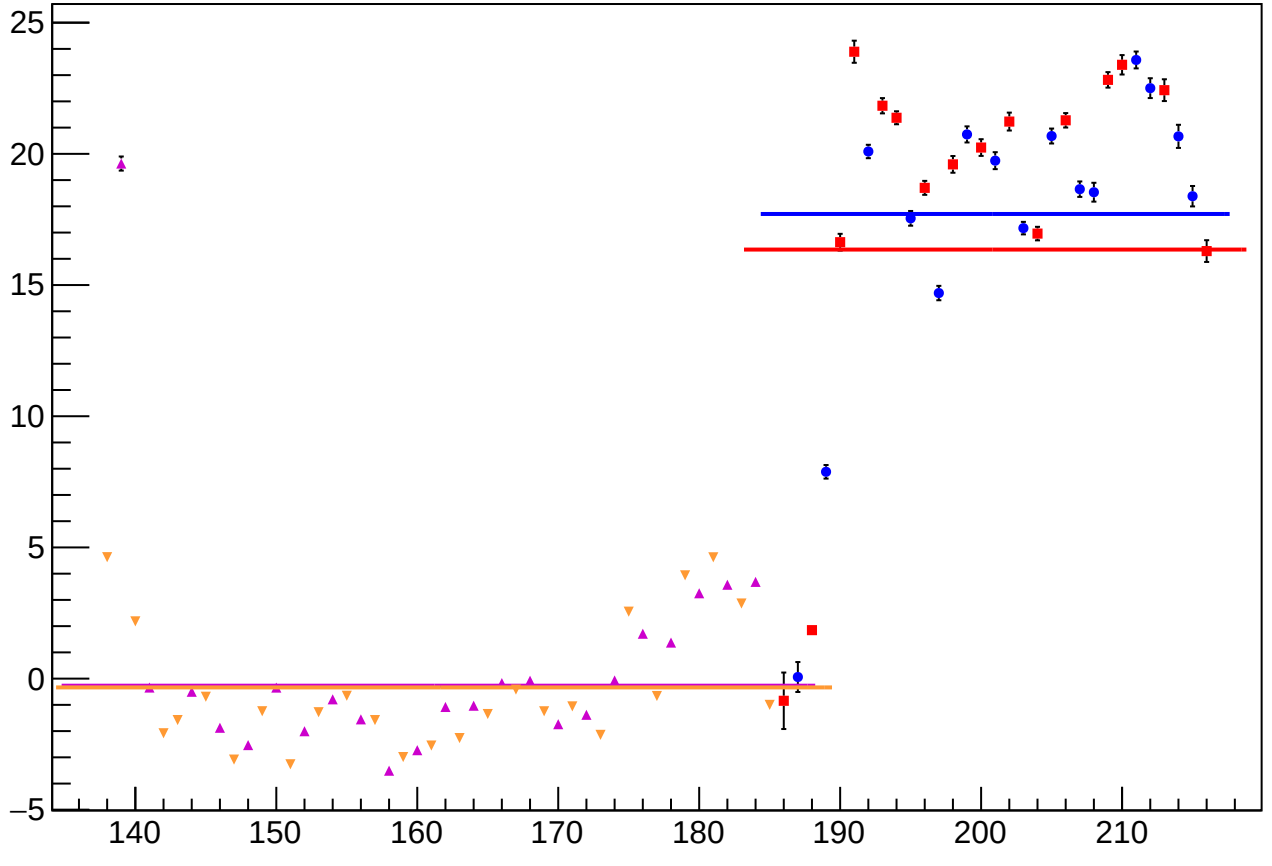
Right: -0.868+/-0.039 χ^2/NDF: 4255.7/30

In: -1.911+/-0.024 χ^2/NDF:25254.1/37

Out: -1.864+/-0.023 χ^2/NDF:27631.8/40

All: -1.887+/-0.017 χ^2/NDF: 52887.9/78

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.709+/-0.080 χ^2/NDF: 3411.0/14

Left Out: -0.335+/-0.021 χ^2/NDF:12596.1/24

Right Out: 16.352+/-0.074 χ^2/NDF: 11334.0/15

Left In: -0.269+/-0.021 χ^2/NDF:13323.1/22

Left: -0.303+/-0.015 χ^2/NDF: 25924.2/47

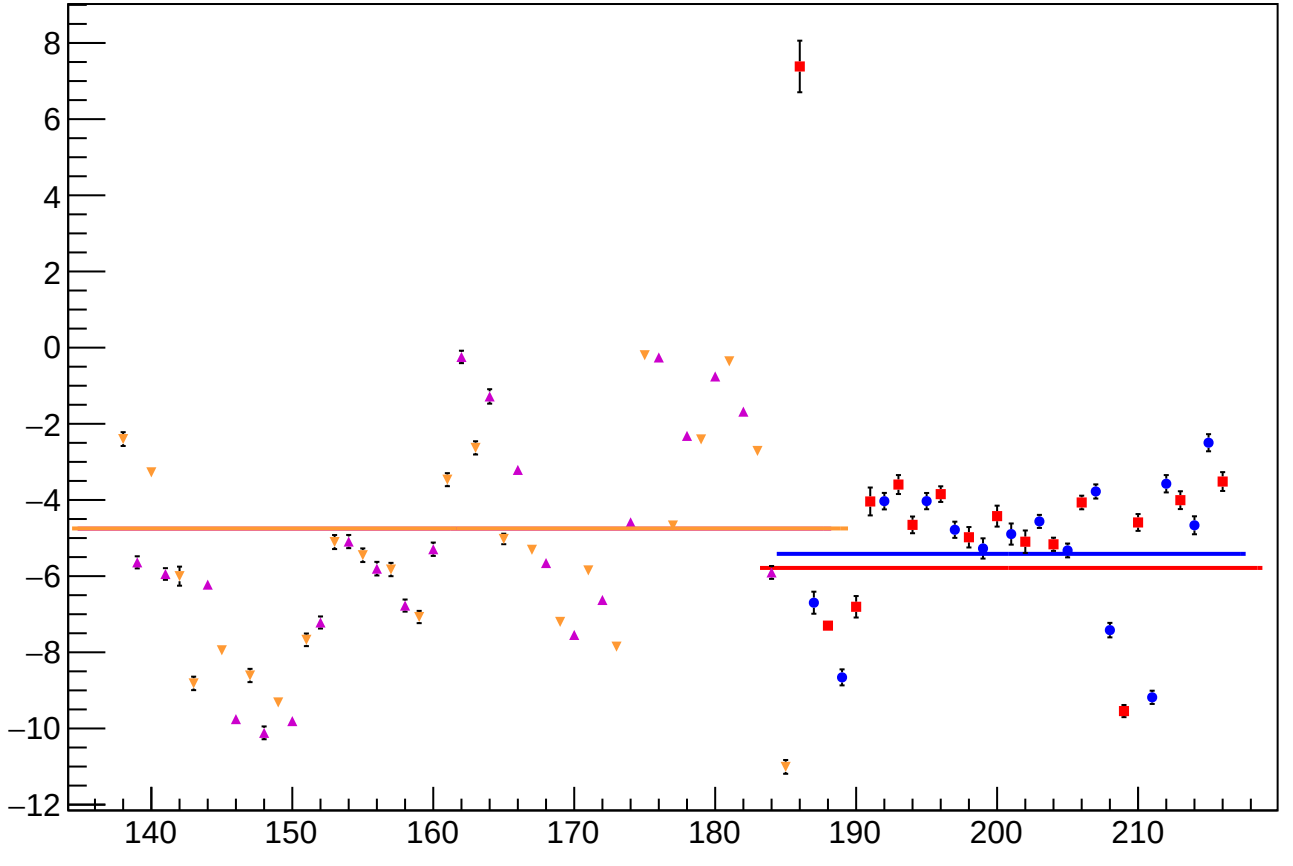
Right: 16.977+/-0.054 χ^2/NDF: 14900.8/30

In: 0.889+/-0.020 χ^2/NDF:64215.8/37

Out: 0.871+/-0.020 χ^2/NDF:71420.4/40

All: 0.880+/-0.014 χ^2/NDF: 135636.6/78

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.415+/-0.054 χ^2/NDF: 1279.1/14

Left Out: -4.748+/-0.026 χ^2/NDF:13289.8/24

Right Out: -5.785+/-0.050 χ^2/NDF: 1766.1/15

Left In: -4.753+/-0.026 χ^2/NDF:14119.2/22

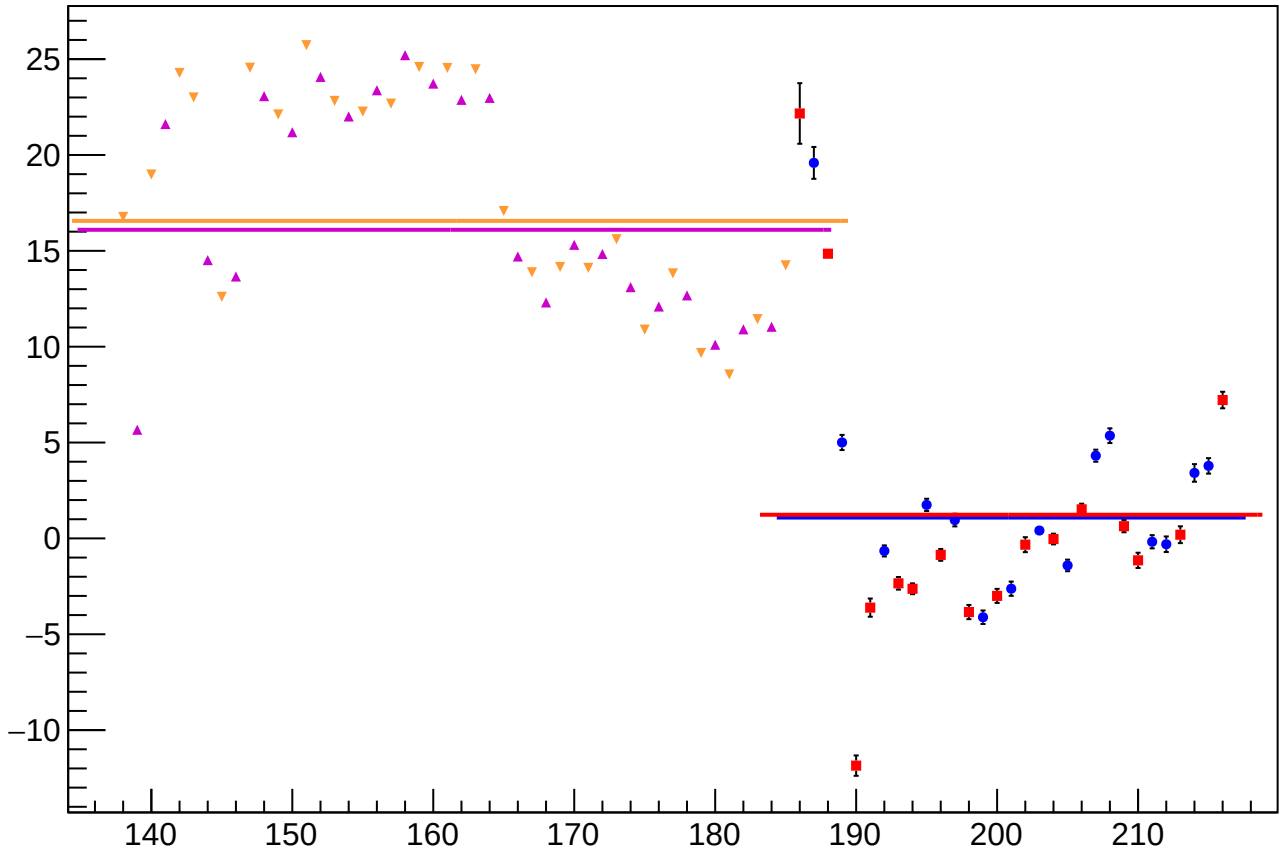
Left: -4.751+/-0.018 χ^2/NDF: 27409.0/47

Right: -5.617+/-0.037 χ^2/NDF: 3070.4/30

In: -4.877+/-0.024 χ^2/NDF:15518.5/37

Out: -4.969+/-0.023 χ^2/NDF:15399.5/40

All: -4.925+/-0.016 χ^2/NDF: 30925.9/78



Right In: 1.088+/-0.091 χ^2/NDF: 1350.1/14

Left Out: 16.563+/-0.023 χ^2/NDF:53858.5/24

Right Out: 1.234+/-0.087 χ^2/NDF: 5220.8/15

Left In: 16.098+/-0.024 χ^2/NDF:42345.7/22

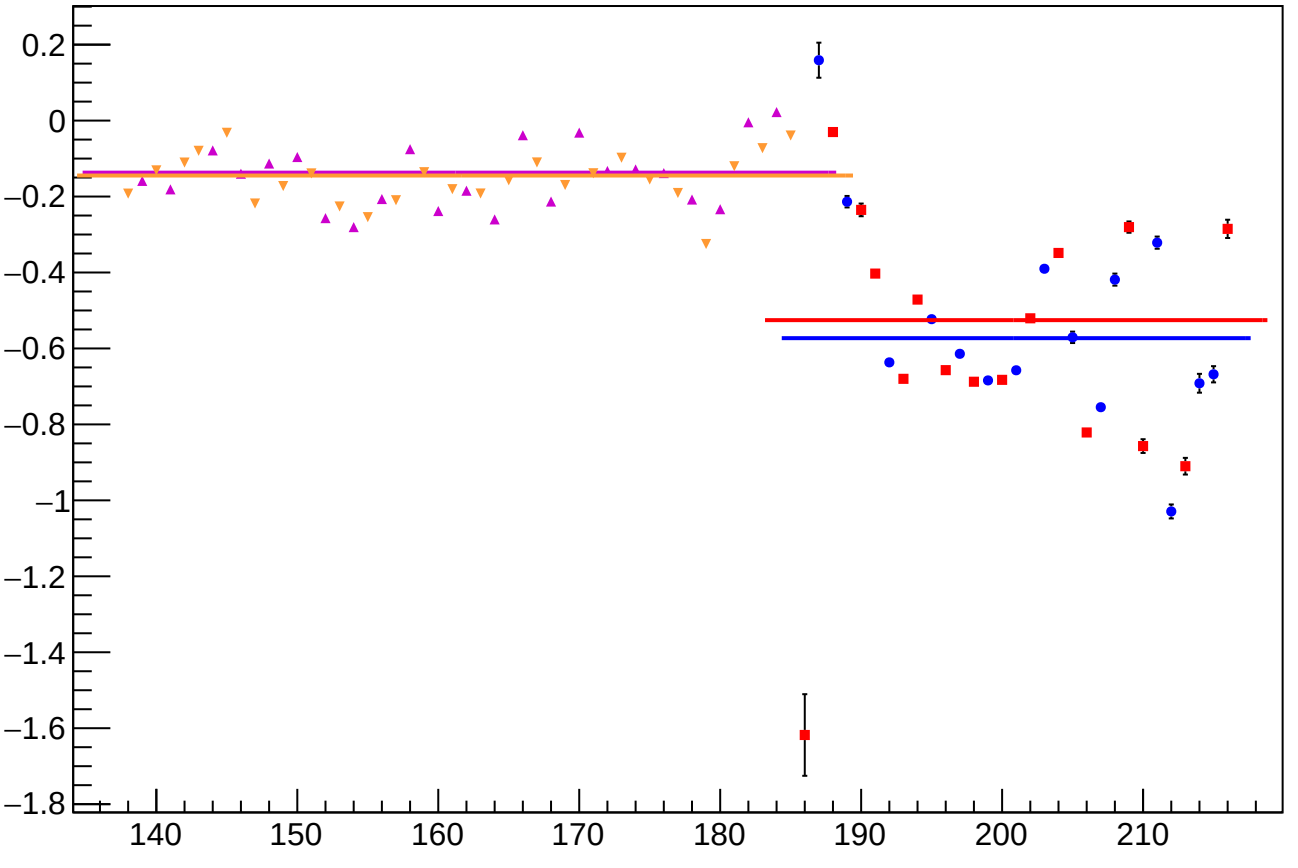
Left: 16.335+/-0.017 χ^2/NDF: 96401.9/47

Right: 1.164+/-0.063 χ^2/NDF: 6572.2/30

In: 15.148+/-0.023 χ^2/NDF:69405.2/37

Out: 15.554+/-0.022 χ^2/NDF:87944.1/40

All: 15.355+/-0.016 χ^2/NDF: 157511.0/78



Right In: -0.573+/-0.003 χ^2/NDF: 2682.9/14

Left Out: -0.145+/-0.001 χ^2/NDF:3769.7/24

Right Out: -0.525+/-0.003 χ^2/NDF: 5587.0/15

Left In: -0.137+/-0.001 χ^2/NDF:5392.6/22

Left: -0.141+/-0.001 χ^2/NDF: 9187.6/47

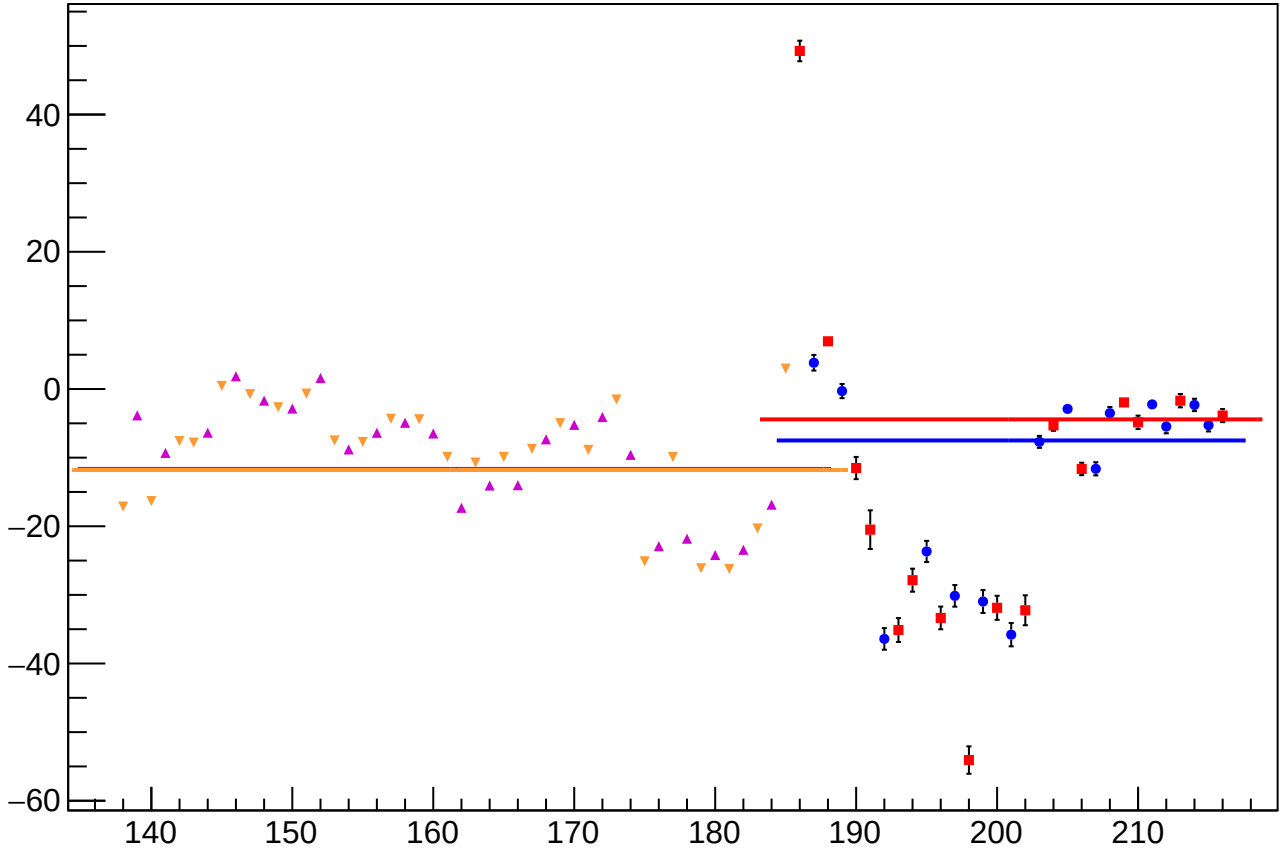
Right: -0.548+/-0.002 χ^2/NDF: 8380.9/30

In: -0.179+/-0.001 χ^2/NDF:23942.4/37

Out: -0.185+/-0.001 χ^2/NDF:23071.1/40

All: -0.182+/-0.001 χ^2/NDF: 47030.0/78

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.496+/-0.262 χ^2/NDF: 1451.4/14

Left Out: -11.801+/-0.070 χ^2/NDF:17308.2/24

Right Out: -4.423+/-0.266 χ^2/NDF: 3701.9/15

Left In: -11.642+/-0.072 χ^2/NDF:14121.2/22

Left: -11.723+/-0.050 χ^2/NDF: 31432.0/47

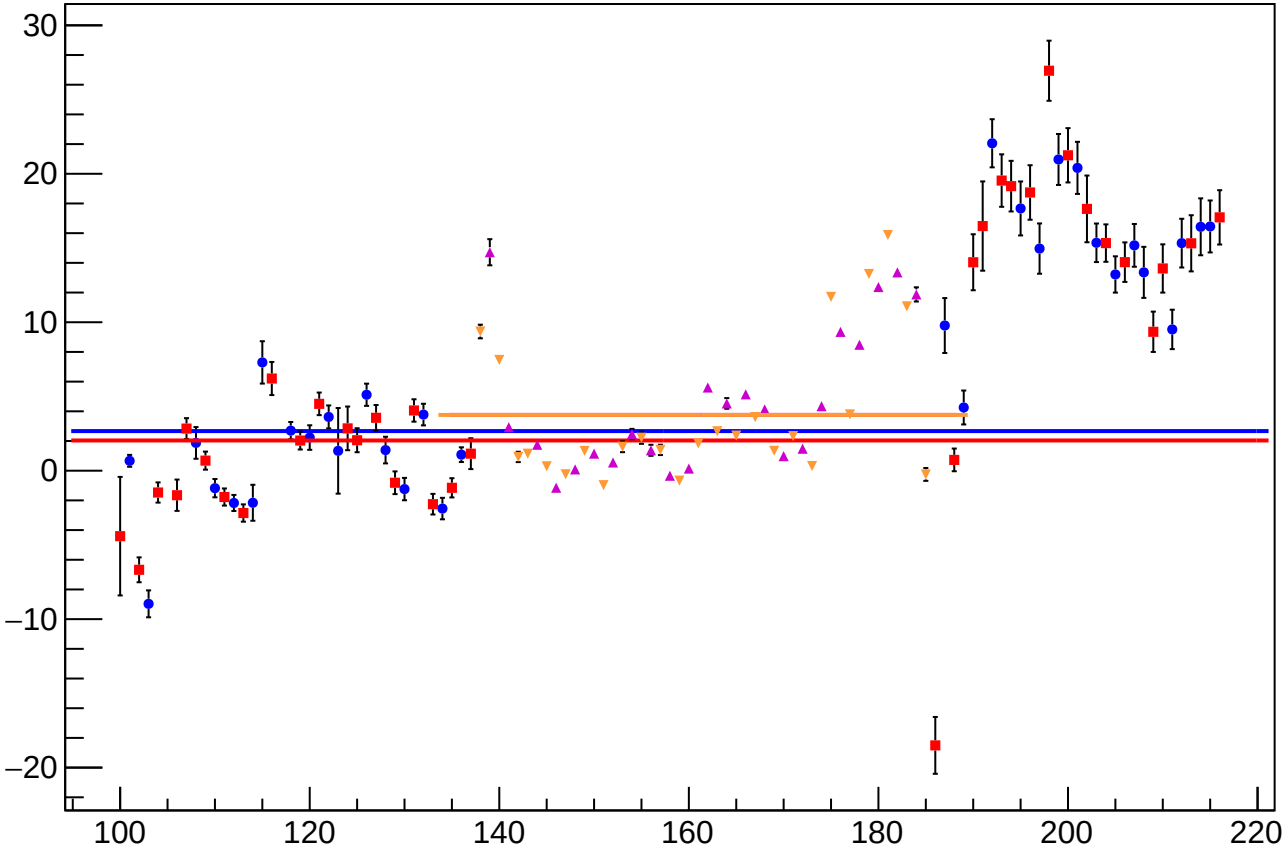
Right: -5.982+/-0.186 χ^2/NDF: 5221.3/30

In: -11.353+/-0.069 χ^2/NDF:15806.3/37

Out: -11.318+/-0.068 χ^2/NDF:21731.5/40

All: -11.336+/-0.048 χ^2/NDF: 37538.0/78

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.668+/-0.157 χ^2/NDF: 1421.5/31

Left Out: 3.757+/-0.056 χ^2/NDF:7450.7/24

Right Out: 2.036+/-0.159 χ^2/NDF: 1544.5/34

Left In: 3.757+/-0.057 χ^2/NDF:5629.4/22

Left: 3.757+/-0.040 χ^2/NDF: 13080.0/47

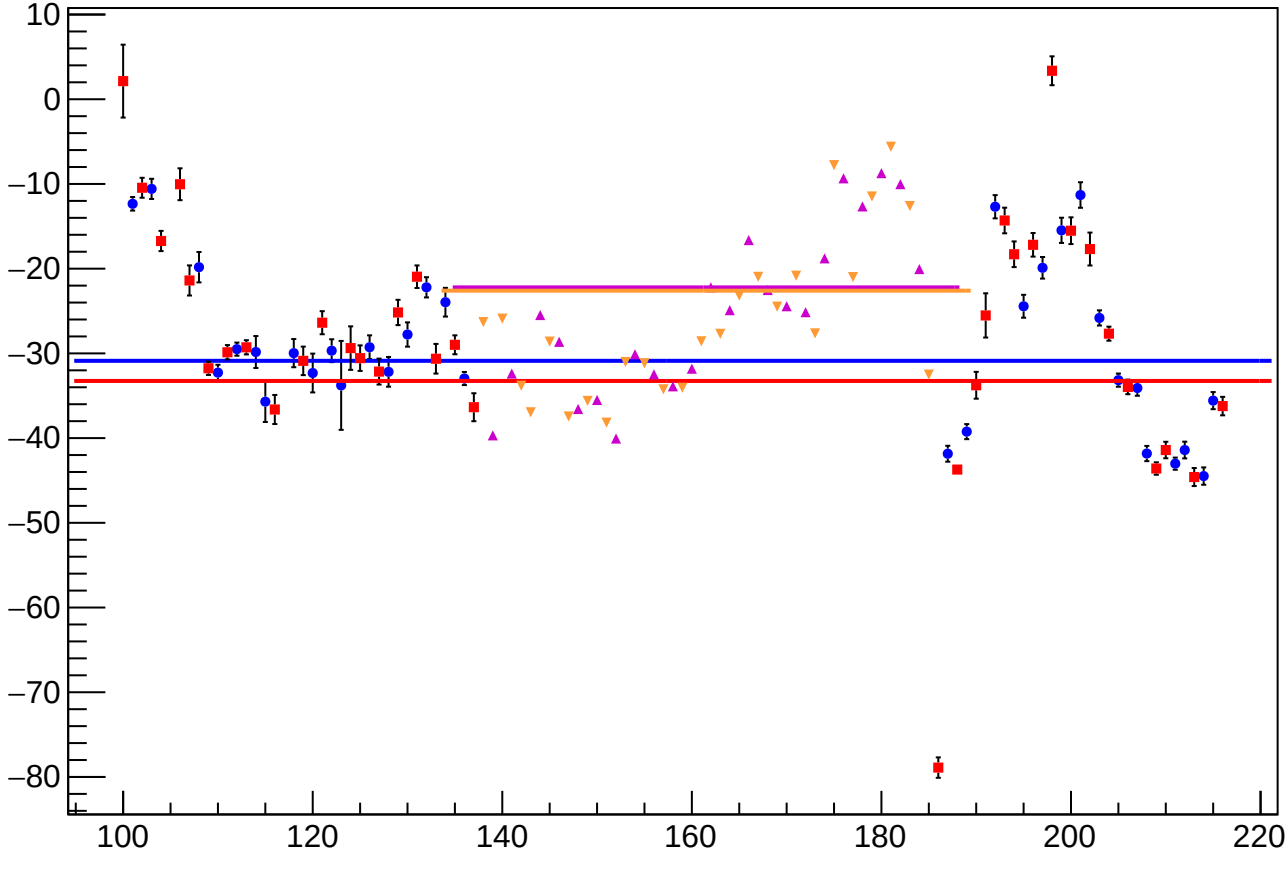
Right: 2.357+/-0.112 χ^2/NDF: 2974.0/66

In: 3.631+/-0.053 χ^2/NDF:7093.7/54

Out: 3.570+/-0.052 χ^2/NDF:9099.3/59

All: 3.600+/-0.037 χ^2/NDF: 16193.6/114

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -30.877+/-0.195 χ^2/NDF: 2528.2/31

Left Out: -22.598+/-0.071 χ^2/NDF:19933.4/24

Right Out: -33.253+/-0.190 χ^2/NDF: 4546.7/34

Left In: -22.209+/-0.072 χ^2/NDF:17627.4/22

Left: -22.406+/-0.050 χ^2/NDF: 37575.6/47

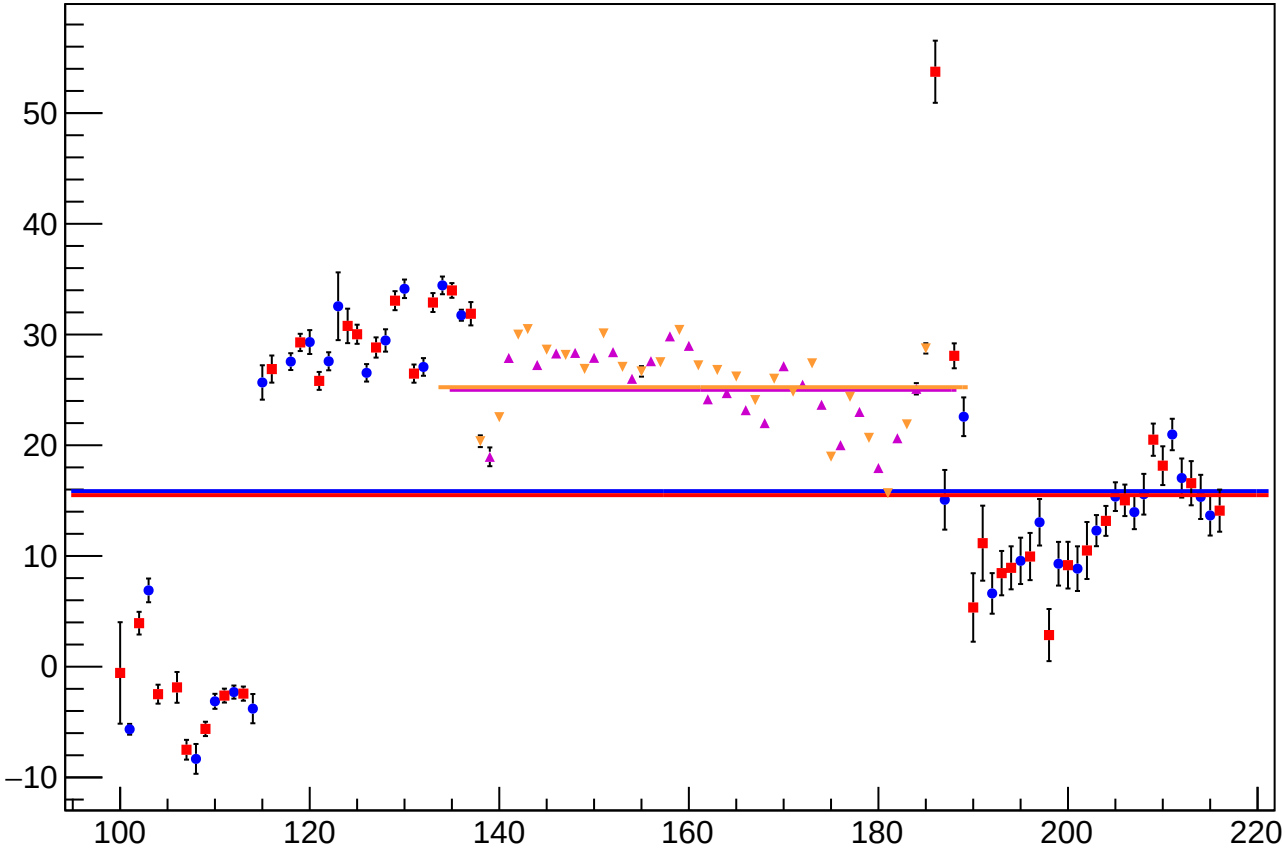
Right: -32.096+/-0.136 χ^2/NDF: 7150.9/66

In: -23.237+/-0.067 χ^2/NDF:21893.8/54

Out: -23.892+/-0.066 χ^2/NDF:27238.4/59

All: -23.569+/-0.047 χ^2/NDF: 49180.4/114

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.856+/-0.177 χ^2/NDF: 7641.2/31

Left Out: 25.242+/-0.063 χ^2/NDF:3786.5/24

Right Out: 15.494+/-0.181 χ^2/NDF: 7676.2/34

Left In: 25.009+/-0.064 χ^2/NDF:2722.0/22

Left: 25.128+/-0.045 χ^2/NDF: 6515.2/47

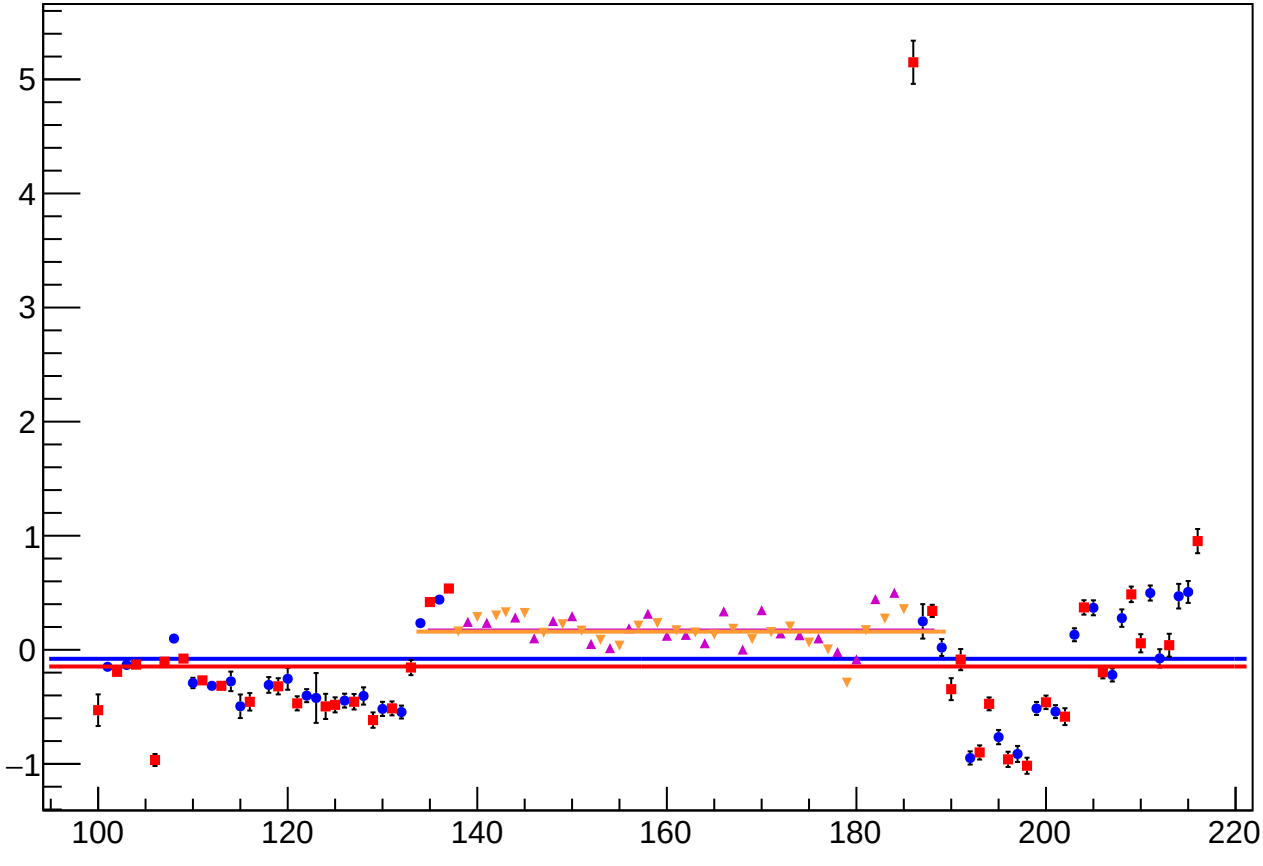
Right: 15.679+/-0.127 χ^2/NDF: 15319.4/66

In: 23.955+/-0.060 χ^2/NDF:12729.7/54

Out: 24.202+/-0.059 χ^2/NDF:14046.6/59

All: 24.081+/-0.042 χ^2/NDF: 26784.9/114

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079+/-0.009 χ^2/NDF: 1873.8/31

Left Out: 0.159+/-0.003 χ^2/NDF:1864.2/24

Right Out: -0.146+/-0.009 χ^2/NDF: 2846.8/34

Left In: 0.169+/-0.003 χ^2/NDF:2418.8/22

Left: 0.164+/-0.002 χ^2/NDF: 4288.4/47

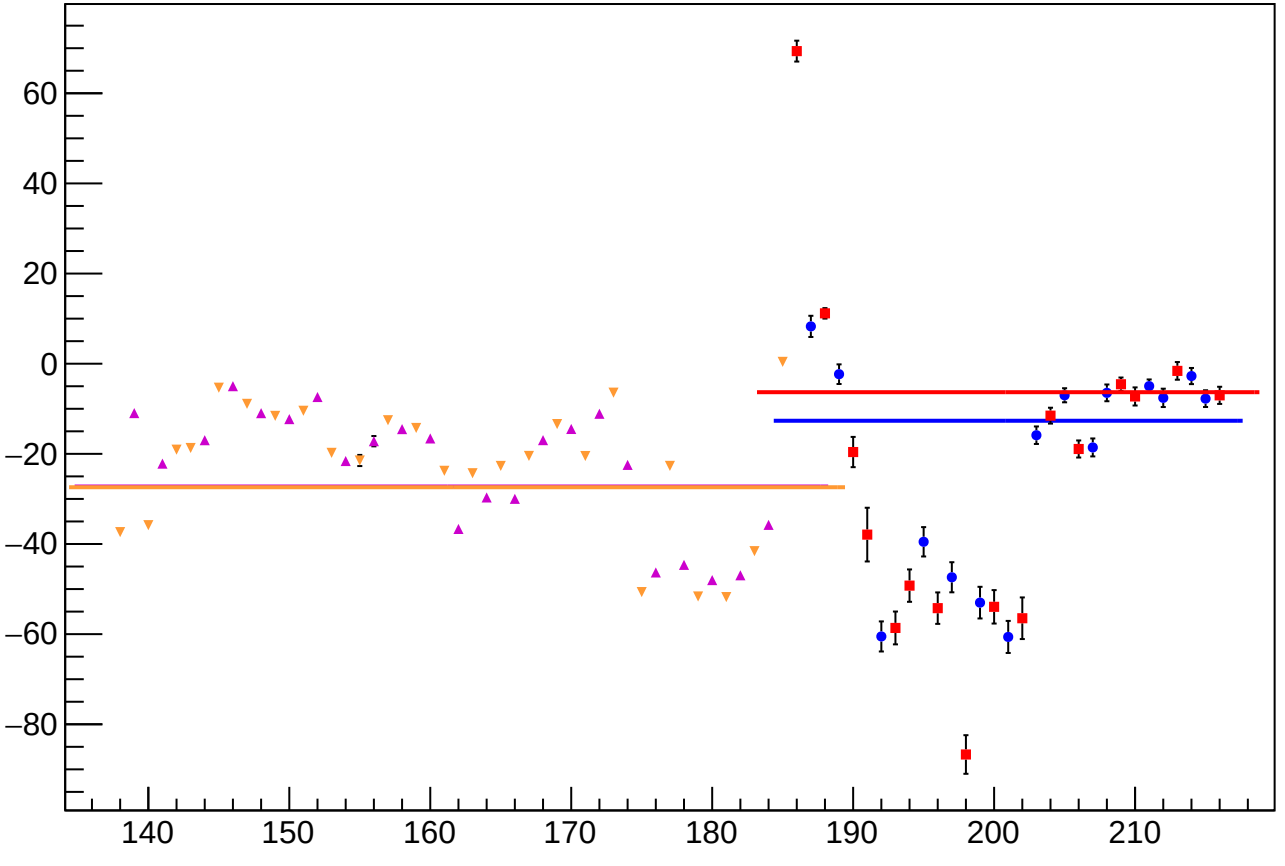
Right: -0.113+/-0.006 χ^2/NDF: 4749.2/66

In: 0.145+/-0.003 χ^2/NDF:4988.3/54

Out: 0.131+/-0.003 χ^2/NDF:5770.4/59

All: 0.138+/-0.002 χ^2/NDF: 10771.9/114

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.657+/-0.547 χ^2/NDF: 904.5/14

Left Out: -27.408+/-0.137 χ^2/NDF:14850.5/24

Right Out: -6.320+/-0.551 χ^2/NDF: 2570.0/15

Left In: -27.243+/-0.139 χ^2/NDF:11305.2/22

Left: -27.327+/-0.098 χ^2/NDF: 26156.4/47

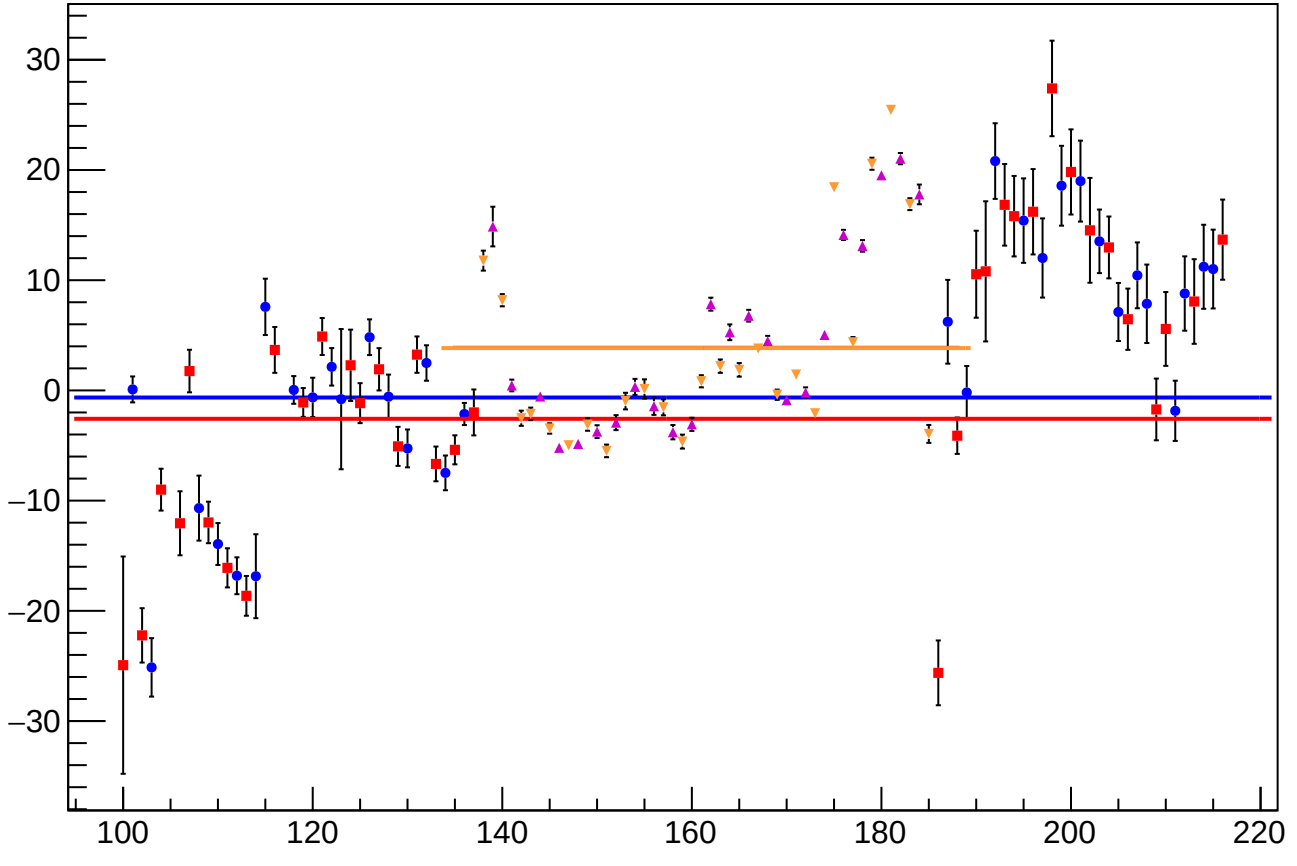
Right: -9.516+/-0.388 χ^2/NDF: 3541.1/30

In: -26.353+/-0.135 χ^2/NDF:12878.0/37

Out: -26.185+/-0.133 χ^2/NDF:18797.8/40

All: -26.268+/-0.095 χ^2/NDF: 31676.6/78

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.644+/-0.369 χ^2/NDF: 524.2/31

Left Out: 3.841+/-0.109 χ^2/NDF:6939.2/24

Right Out: -2.577+/-0.377 χ^2/NDF: 645.6/34

Left In: 3.866+/-0.111 χ^2/NDF:5424.0/22

Left: 3.853+/-0.078 χ^2/NDF: 12363.3/47

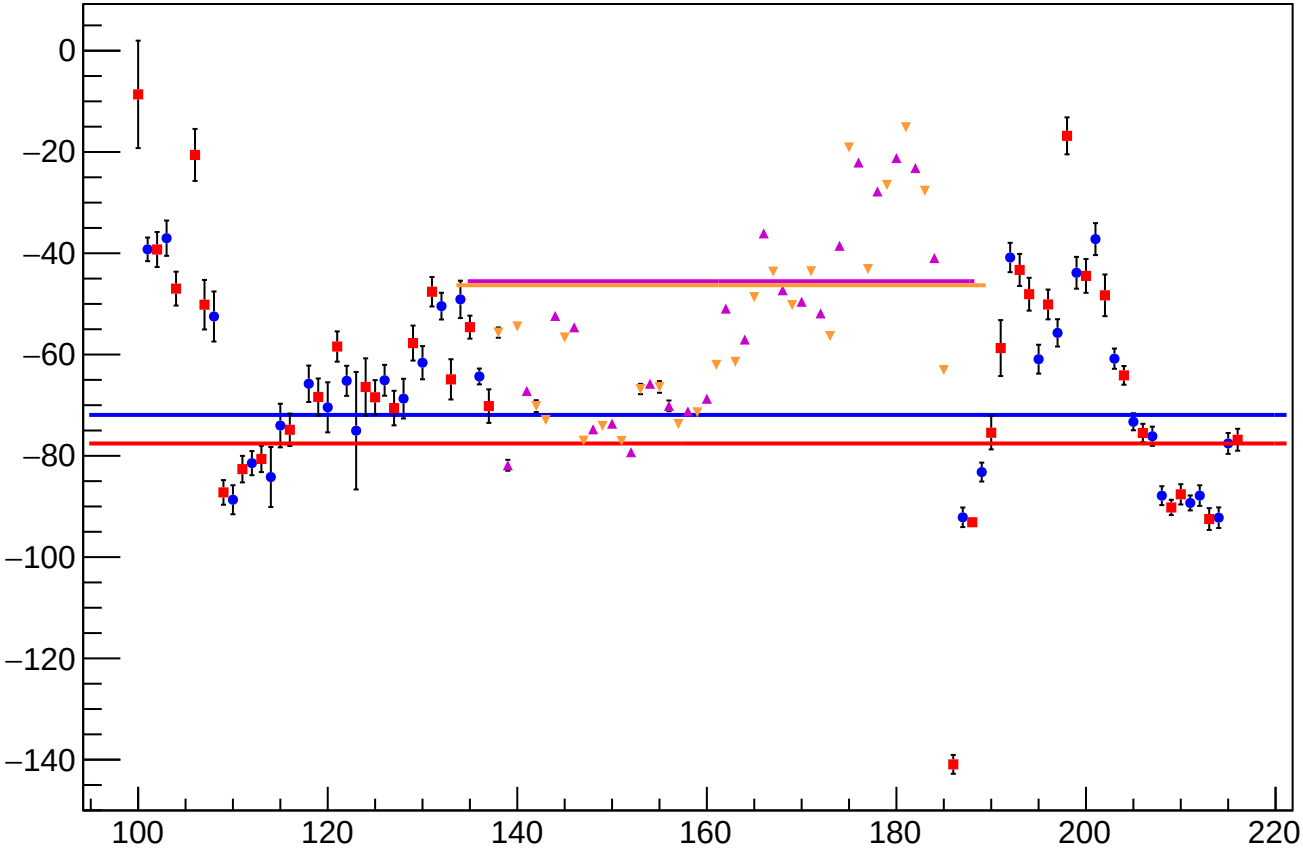
Right: -1.590+/-0.264 χ^2/NDF: 1183.3/66

In: 3.490+/-0.106 χ^2/NDF:6085.3/54

Out: 3.343+/-0.105 χ^2/NDF:7852.6/59

All: 3.416+/-0.075 χ^2/NDF: 13938.9/114

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -71.921+/-0.434 χ^2/NDF: 1446.6/31

Left Out: -46.318+/-0.138 χ^2/NDF:20134.6/24

Right Out: -77.562+/-0.424 χ^2/NDF: 3099.0/34

Left In: -45.522+/-0.140 χ^2/NDF:17525.4/22

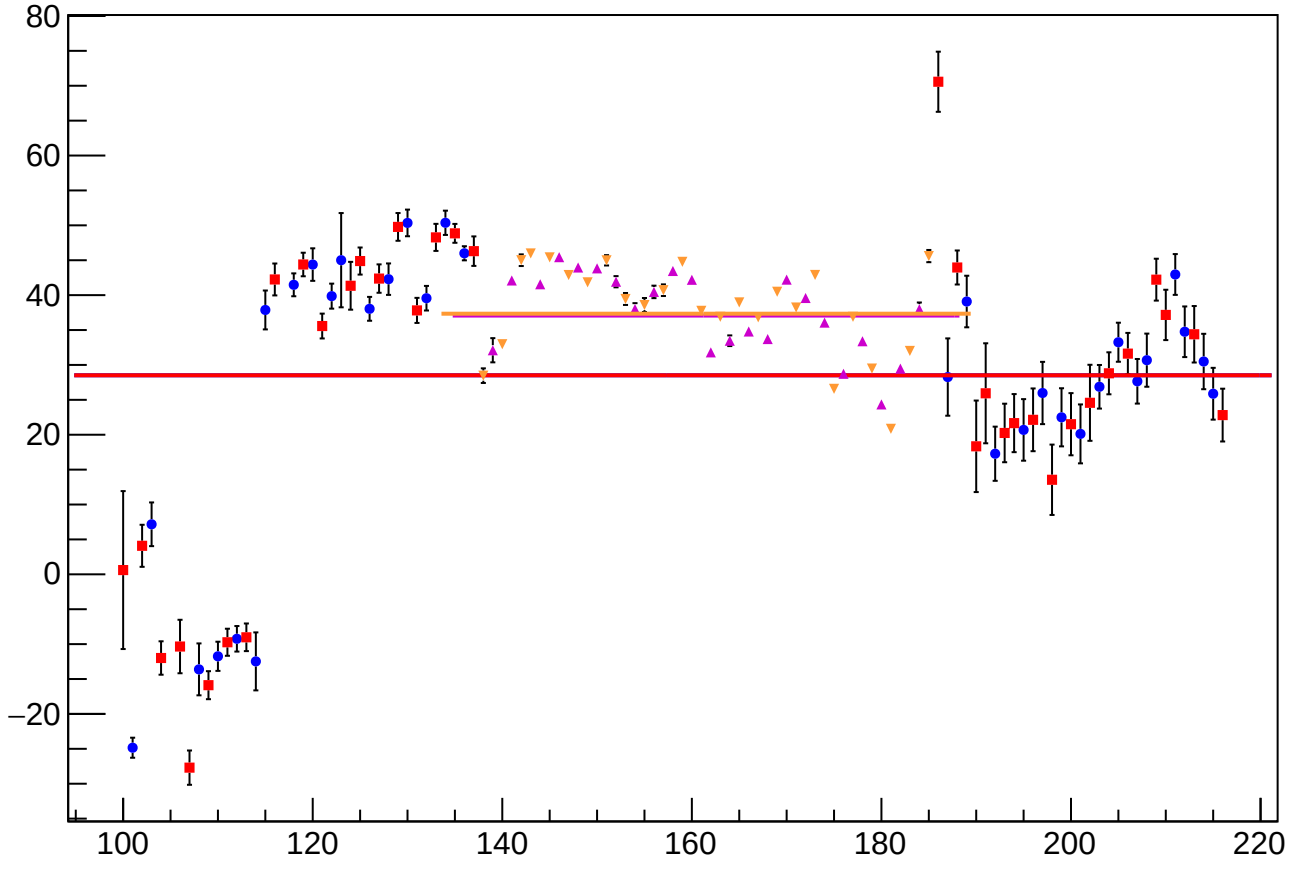
Left: -45.925+/-0.098 χ^2/NDF: 37676.5/47

Right: -74.811+/-0.303 χ^2/NDF: 4632.0/66

In: -47.998+/-0.133 χ^2/NDF:22319.0/54

Out: -49.311+/-0.131 χ^2/NDF:28148.7/59

All: -48.663+/-0.093 χ^2/NDF: 50517.1/114



Right In: 28.517+/-0.414 χ^2/NDF: 3369.0/31

Left Out: 37.340+/-0.123 χ^2/NDF:3149.1/24

Right Out: 28.516+/-0.429 χ^2/NDF: 3227.4/34

Left In: 37.074+/-0.125 χ^2/NDF:2397.3/22

Left: 37.209+/-0.088 χ^2/NDF: 5548.7/47

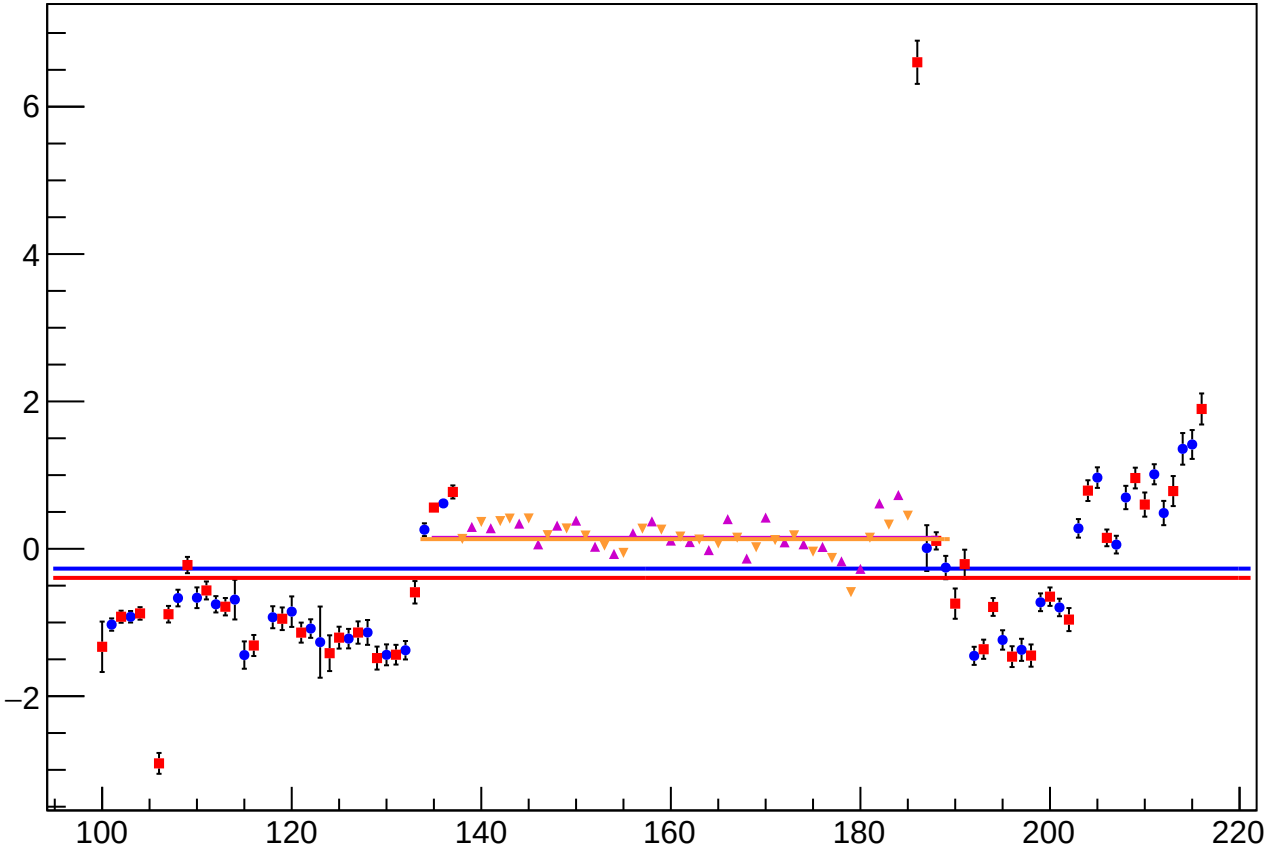
Right: 28.516+/-0.298 χ^2/NDF: 6596.4/66

In: 36.358+/-0.120 χ^2/NDF:6157.0/54

Out: 36.670+/-0.118 χ^2/NDF:6768.1/59

All: 36.516+/-0.084 χ^2/NDF: 12928.5/114

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.269+/-0.021 χ^2/NDF: 1632.7/31

Left Out: 0.131+/-0.006 χ^2/NDF:1426.3/24

Right Out: -0.395+/-0.021 χ^2/NDF: 2336.9/34

Left In: 0.149+/-0.006 χ^2/NDF:1803.6/22

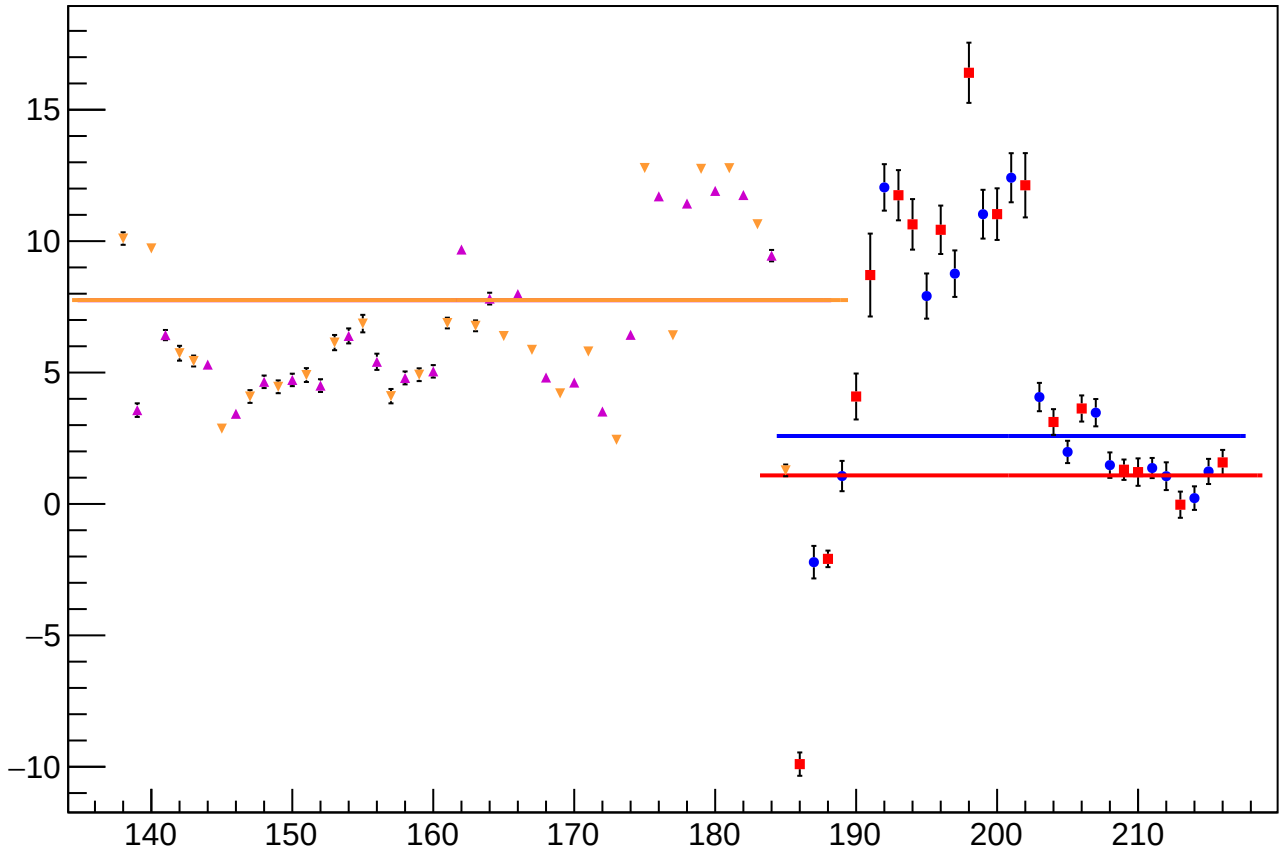
Left: 0.140+/-0.004 χ^2/NDF: 3234.6/47

Right: -0.330+/-0.015 χ^2/NDF: 3987.6/66

In: 0.119+/-0.006 χ^2/NDF:3812.7/54

Out: 0.097+/-0.005 χ^2/NDF:4338.9/59

All: 0.108+/-0.004 χ^2/NDF: 8160.0/114



Right In: 2.586+/-0.144 χ^2/NDF: 534.0/14

Left Out: 7.757+/-0.034 χ^2/NDF:11728.6/24

Right Out: 1.087+/-0.142 χ^2/NDF: 1487.4/15

Left In: 7.753+/-0.035 χ^2/NDF:8345.2/22

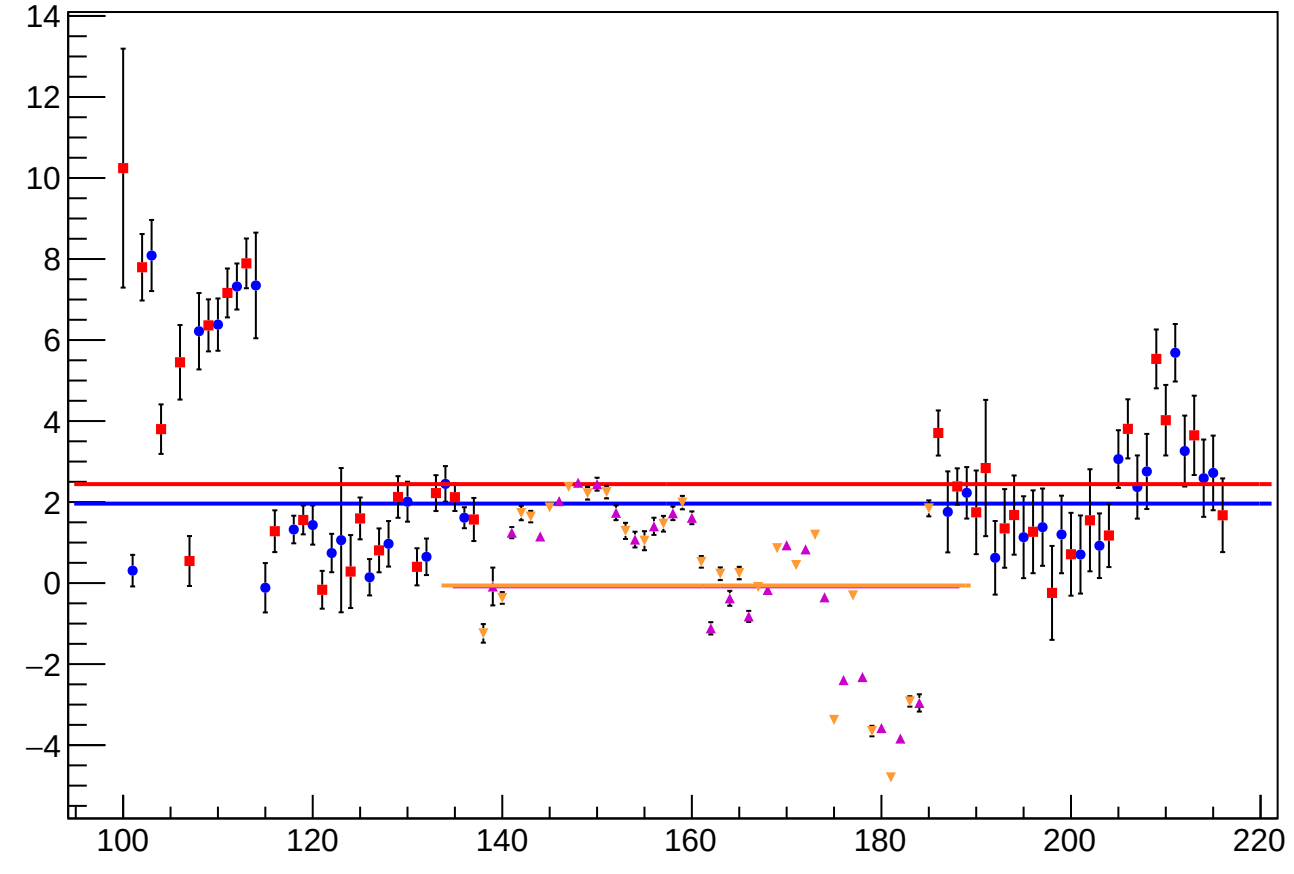
Left: 7.755+/-0.025 χ^2/NDF: 20073.8/47

Right: 1.827+/-0.101 χ^2/NDF: 2076.6/30

In: 7.462+/-0.034 χ^2/NDF:10101.7/37

Out: 7.388+/-0.033 χ^2/NDF:15304.5/40

All: 7.424+/-0.024 χ^2/NDF: 25408.6/78



Right In: 1.962+/-0.103 χ^2/NDF: 335.8/31

Left Out: -0.059+/-0.028 χ^2/NDF:6068.8/24

Right Out: 2.443+/-0.105 χ^2/NDF: 383.2/34

Left In: -0.080+/-0.028 χ^2/NDF:4979.5/22

Left: -0.070+/-0.020 χ^2/NDF: 11048.5/47

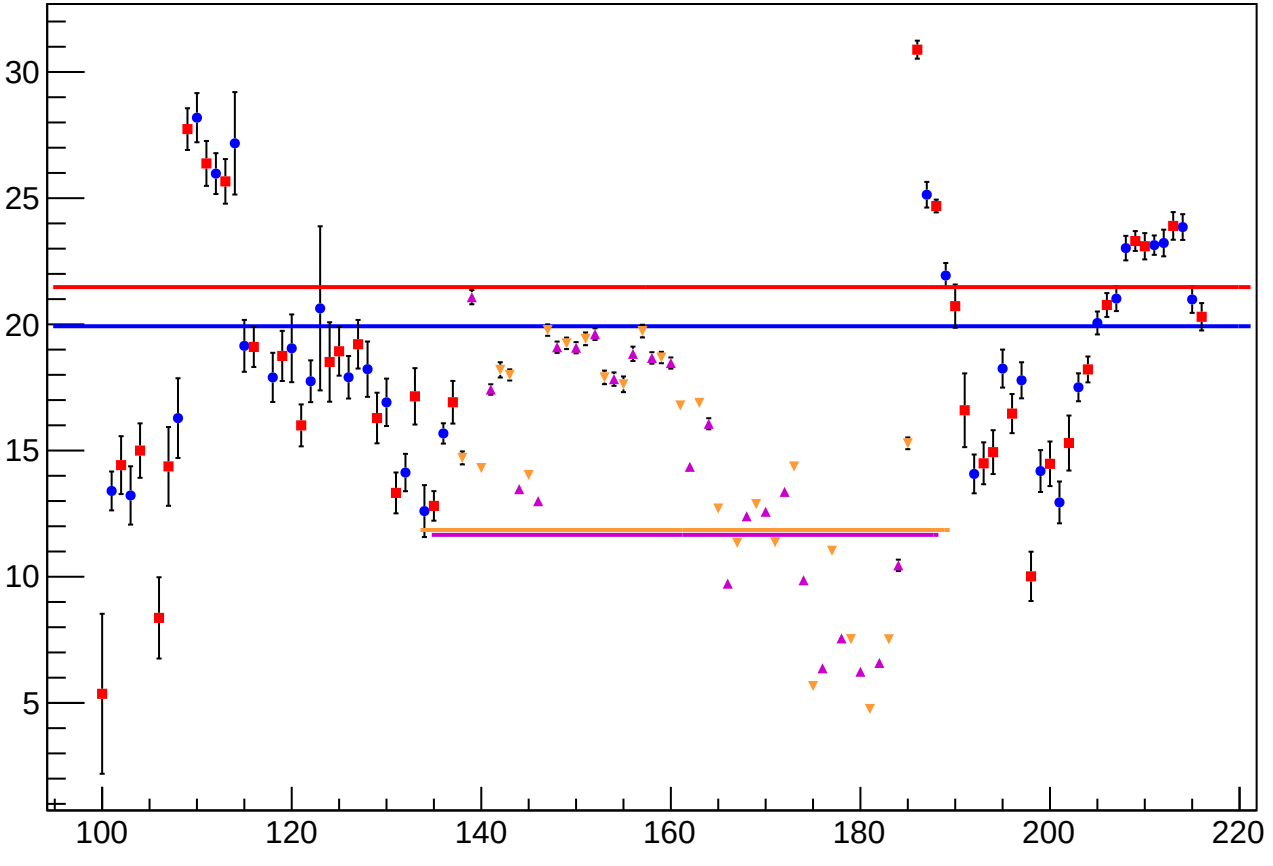
Right: 2.198+/-0.074 χ^2/NDF: 729.6/66

In: 0.062+/-0.027 χ^2/NDF:5678.3/54

Out: 0.103+/-0.027 χ^2/NDF:6980.5/59

All: 0.083+/-0.019 χ^2/NDF: 12659.9/114

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 19.925+/-0.117 χ^2/NDF: 1054.3/31

Left Out: 11.853+/-0.035 χ^2/NDF:19149.4/24

Right Out: 21.477+/-0.113 χ^2/NDF: 2131.2/34

Left In: 11.660+/-0.035 χ^2/NDF:16710.2/22

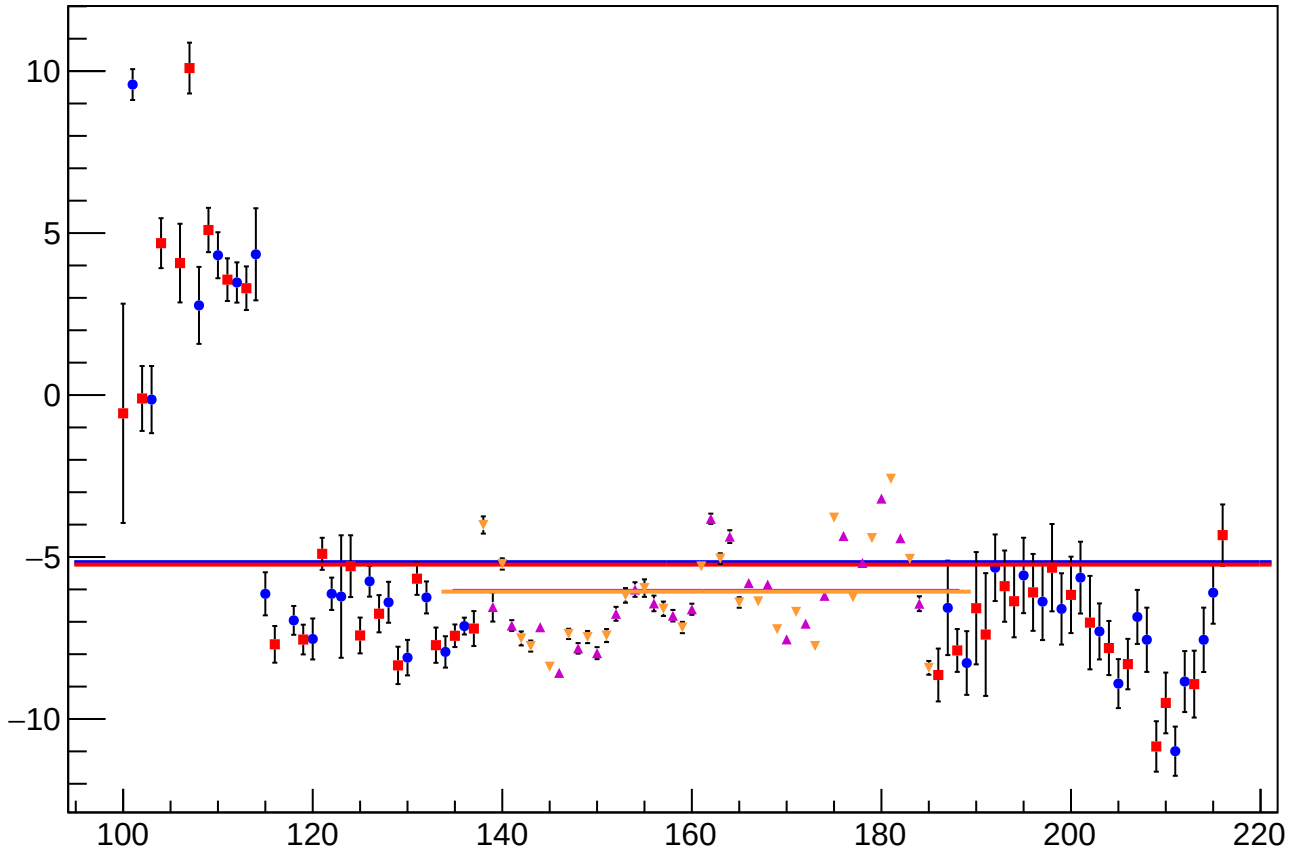
Left: 11.758+/-0.025 χ^2/NDF: 35874.9/47

Right: 20.733+/-0.081 χ^2/NDF: 3276.3/66

In: 12.341+/-0.034 χ^2/NDF:22309.7/54

Out: 12.686+/-0.033 χ^2/NDF:27944.1/59

All: 12.516+/-0.024 χ^2/NDF: 50307.0/114



Right In: -5.159+/-0.116 χ^2/NDF: 1744.4/31

Left Out: -6.068+/-0.031 χ^2/NDF:2671.7/24

Right Out: -5.234+/-0.120 χ^2/NDF: 1523.4/34

Left In: -6.045+/-0.032 χ^2/NDF:2293.7/22

Left: -6.057+/-0.022 χ^2/NDF: 4965.7/47

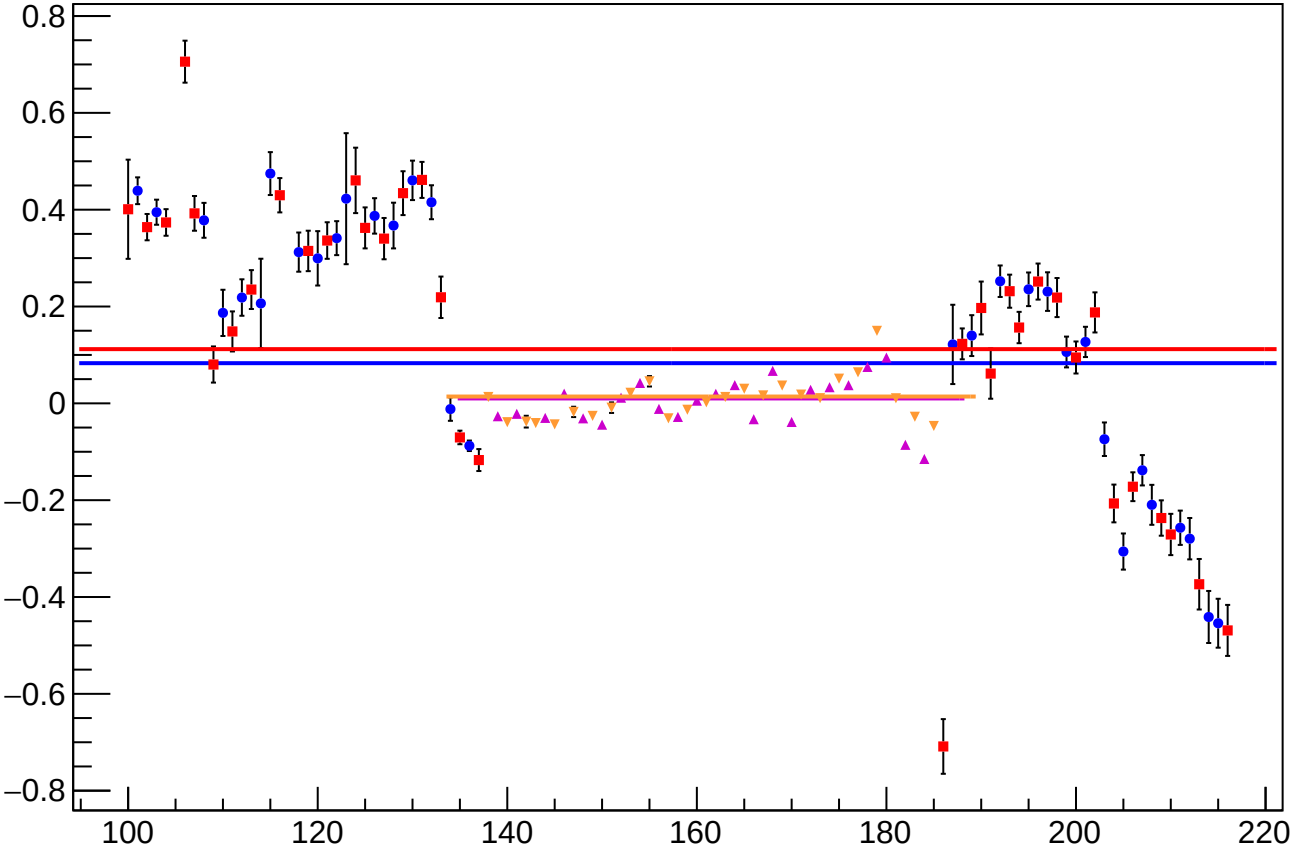
Right: -5.195+/-0.083 χ^2/NDF: 3268.1/66

In: -5.983+/-0.031 χ^2/NDF:4092.7/54

Out: -6.016+/-0.030 χ^2/NDF:4240.5/59

All: -6.000+/-0.021 χ^2/NDF: 8333.8/114

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.083+/-0.006 χ^2/NDF: 1794.2/31

Left Out: 0.014+/-0.001 χ^2/NDF:956.2/24

Right Out: 0.112+/-0.006 χ^2/NDF: 1881.6/34

Left In: 0.010+/-0.001 χ^2/NDF:1216.1/22

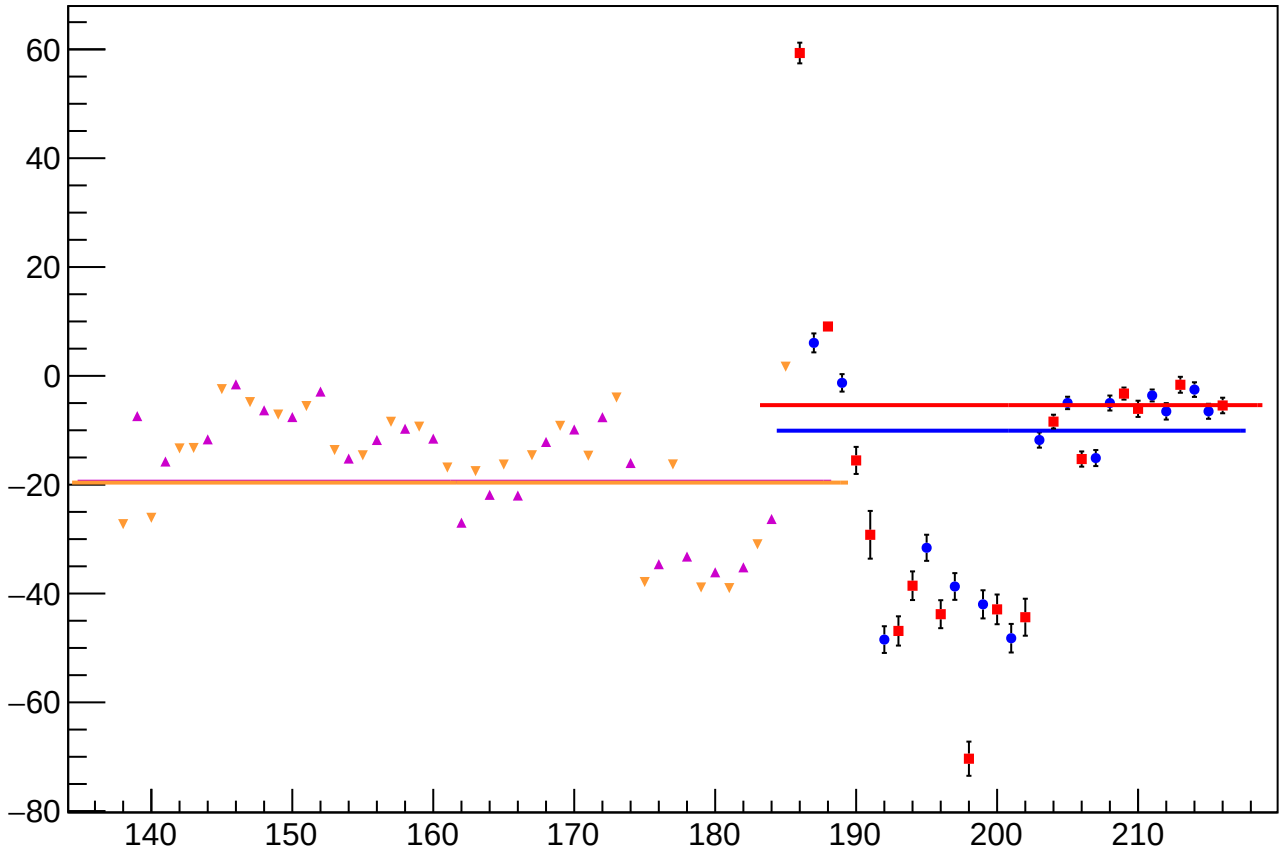
Left: 0.012+/-0.001 χ^2/NDF: 2176.2/47

Right: 0.097+/-0.004 χ^2/NDF: 3688.2/66

In: 0.014+/-0.001 χ^2/NDF:3161.8/54

Out: 0.019+/-0.001 χ^2/NDF:3097.3/59

All: 0.017+/-0.001 χ^2/NDF: 6265.5/114



Right In: -10.073+/-0.404 χ^2/NDF: 1065.3/14

Left Out: -19.612+/-0.103 χ^2/NDF:15761.3/24

Right Out: -5.379+/-0.409 χ^2/NDF: 2930.6/15

Left In: -19.450+/-0.105 χ^2/NDF:12283.1/22

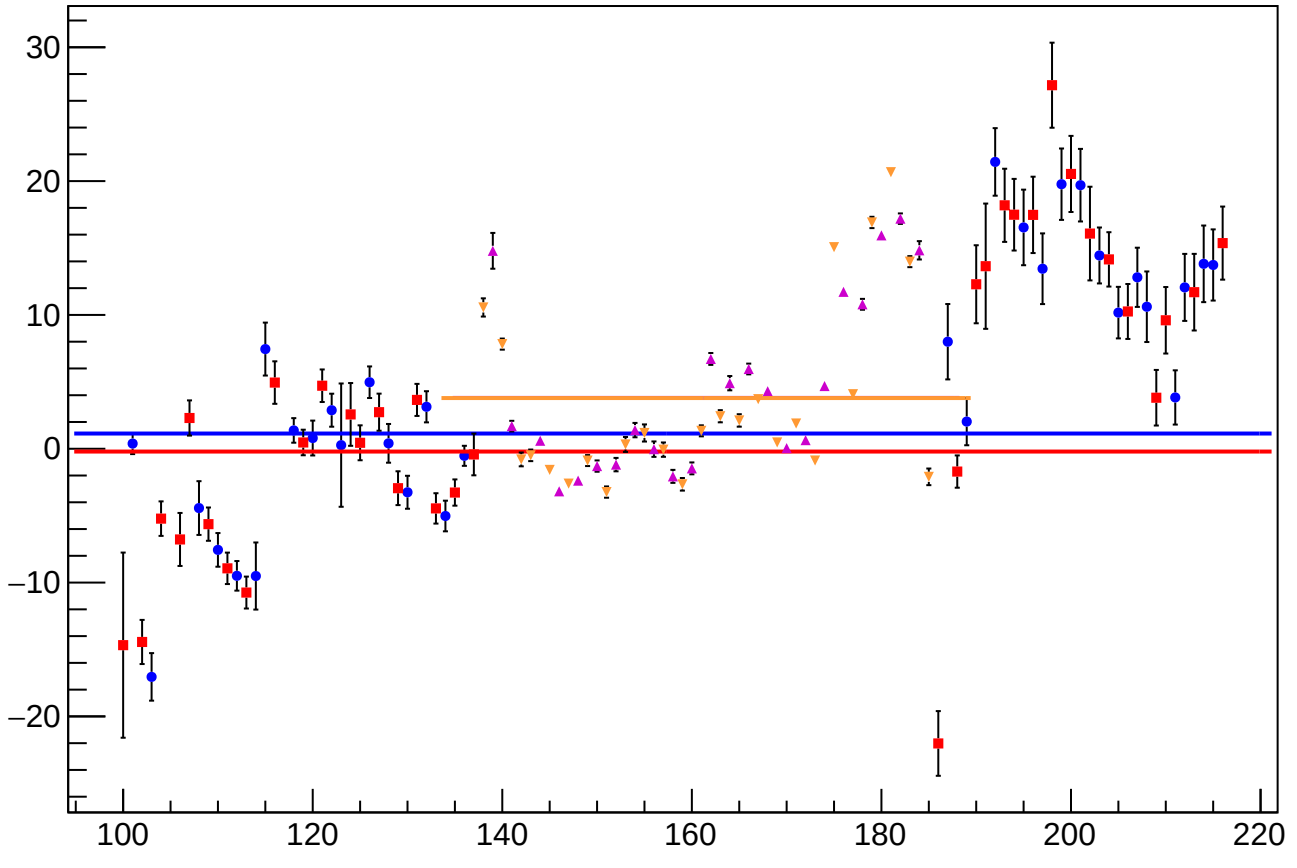
Left: -19.533+/-0.074 χ^2/NDF: 28045.6/47

Right: -7.754+/-0.287 χ^2/NDF: 4062.6/30

In: -18.856+/-0.102 χ^2/NDF:13853.5/37

Out: -18.759+/-0.100 χ^2/NDF:19831.6/40

All: -18.807+/-0.071 χ^2/NDF: 33685.6/78



Right In: 1.138+/-0.264 χ^2/NDF: 728.4/31

Left Out: 3.788+/-0.082 χ^2/NDF:7150.5/24

Right Out: -0.209+/-0.270 χ^2/NDF: 865.0/34

Left In: 3.799+/-0.084 χ^2/NDF:5517.0/22

Left: 3.793+/-0.059 χ^2/NDF: 12667.5/47

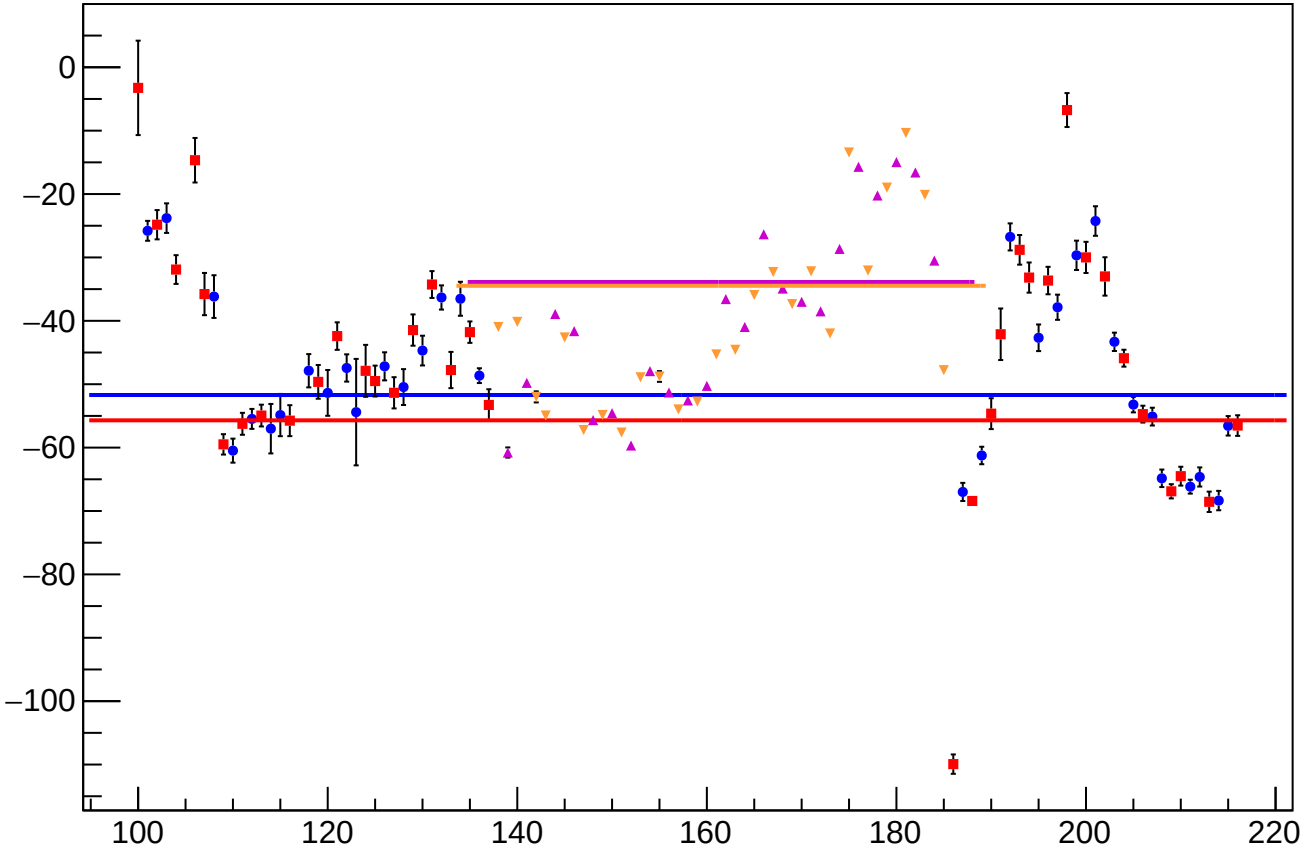
Right: 0.478+/-0.189 χ^2/NDF: 1606.2/66

In: 3.557+/-0.080 χ^2/NDF:6337.6/54

Out: 3.449+/-0.079 χ^2/NDF:8216.8/59

All: 3.502+/-0.056 χ^2/NDF: 14555.3/114

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.700+/-0.316 χ^2/NDF: 1692.6/31

Left Out: -34.471+/-0.104 χ^2/NDF:20196.3/24

Right Out: -55.698+/-0.309 χ^2/NDF: 3480.7/34

Left In: -33.875+/-0.105 χ^2/NDF:17638.7/22

Left: -34.177+/-0.074 χ^2/NDF: 37851.2/47

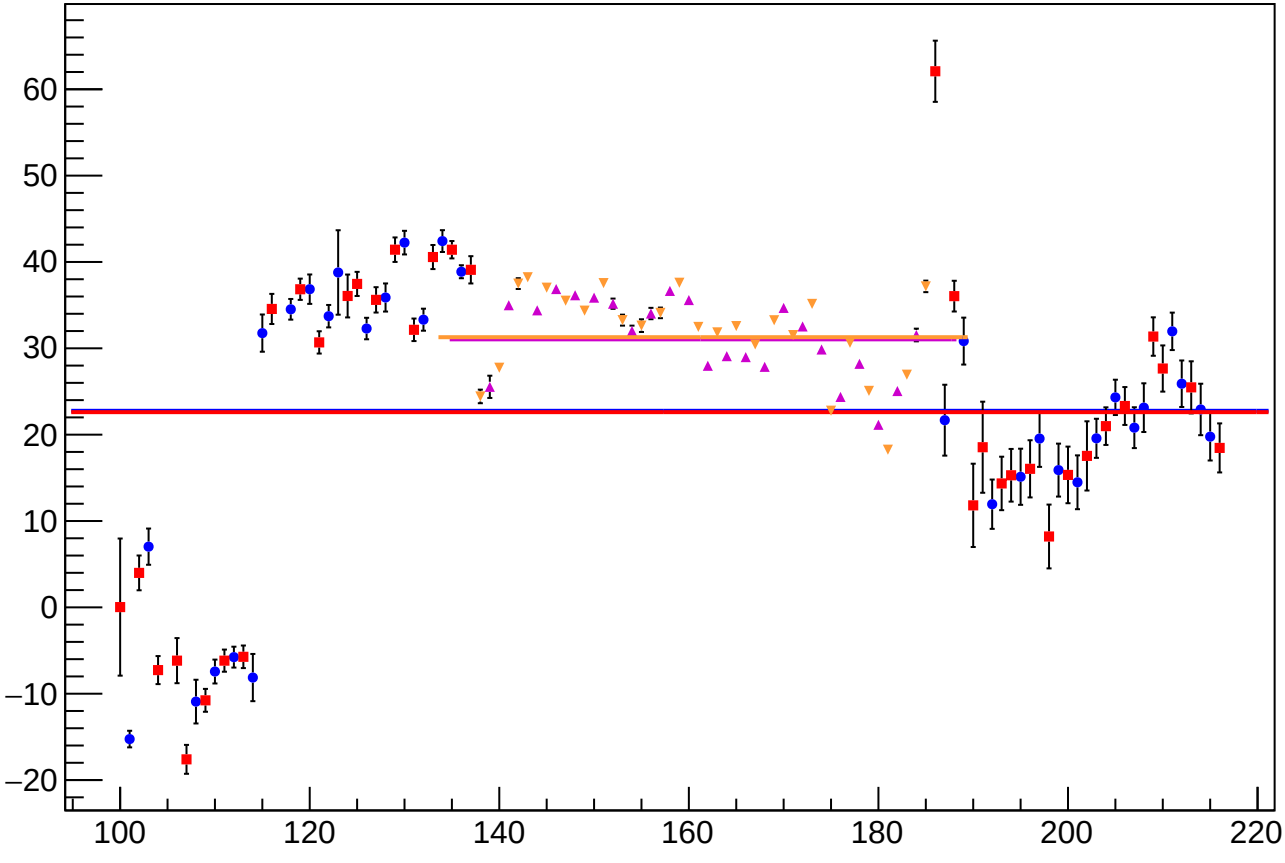
Right: -53.745+/-0.221 χ^2/NDF: 5255.2/66

In: -35.655+/-0.100 χ^2/NDF:22194.2/54

Out: -36.631+/-0.099 χ^2/NDF:27921.0/59

All: -36.150+/-0.070 χ^2/NDF: 50163.6/114

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.762+/-0.297 χ^2/NDF: 4383.0/31

Left Out: 31.286+/-0.092 χ^2/NDF:3345.7/24

Right Out: 22.608+/-0.307 χ^2/NDF: 4280.3/34

Left In: 31.039+/-0.094 χ^2/NDF:2480.0/22

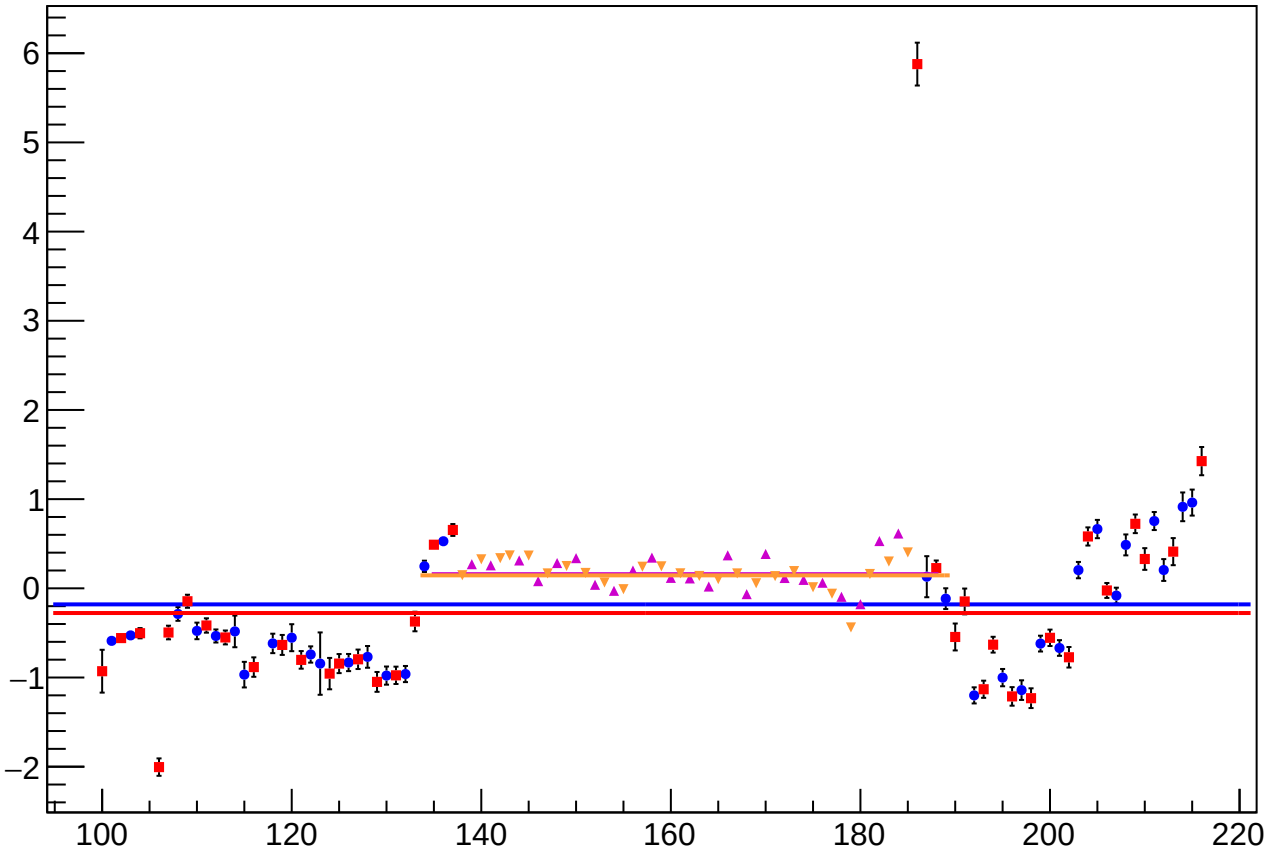
Left: 31.165+/-0.066 χ^2/NDF: 5829.2/47

Right: 22.687+/-0.214 χ^2/NDF: 8663.5/66

In: 30.284+/-0.090 χ^2/NDF:7567.1/54

Out: 30.565+/-0.088 χ^2/NDF:8359.6/59

All: 30.427+/-0.063 χ^2/NDF: 15931.6/114



Right In: -0.180+/-0.015 χ^2/NDF: 1650.3/31

Left Out: 0.145+/-0.004 χ^2/NDF:1579.6/24

Right Out: -0.277+/-0.015 χ^2/NDF: 2487.8/34

Left In: 0.159+/-0.004 χ^2/NDF:2009.8/22

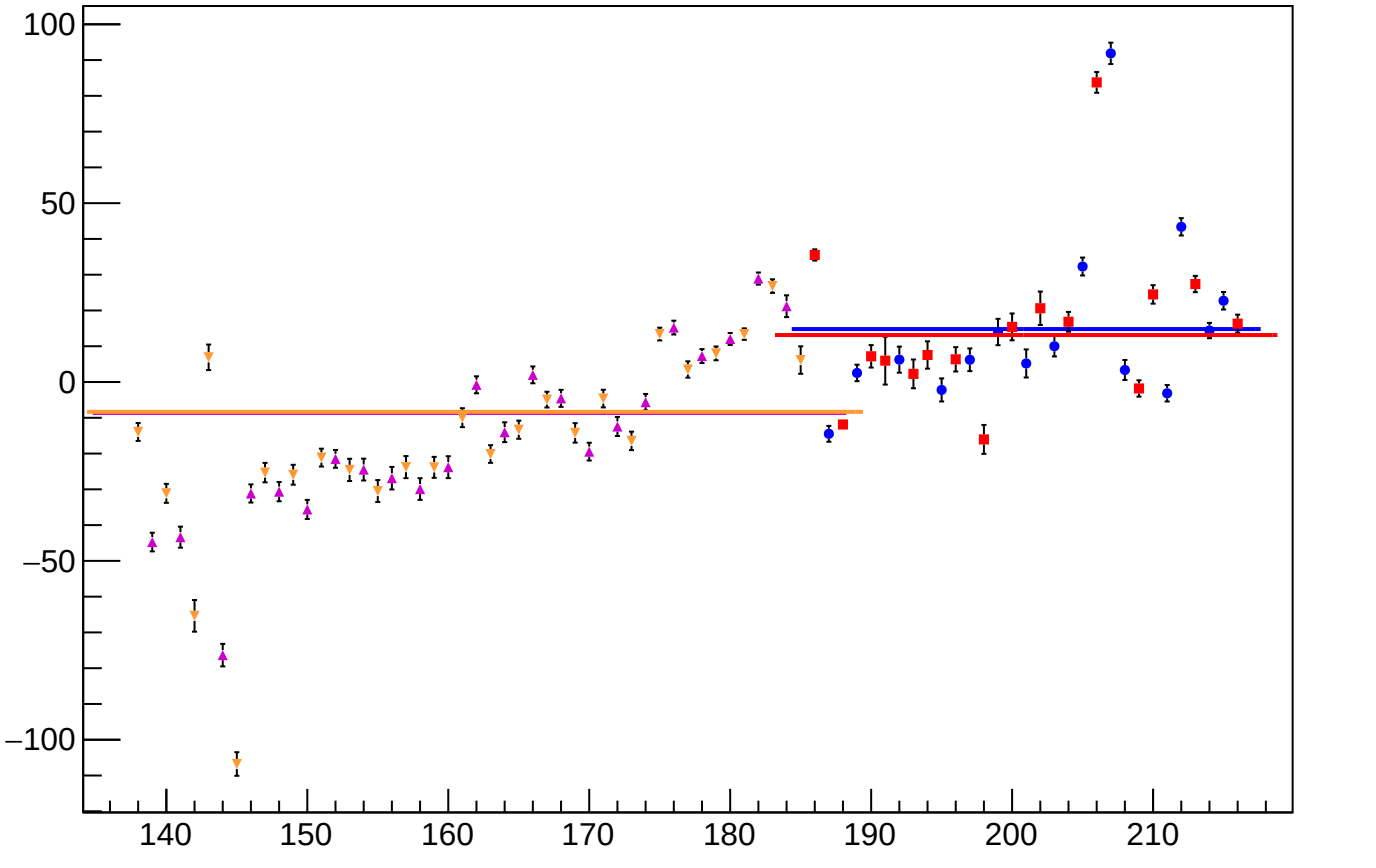
Left: 0.152+/-0.003 χ^2/NDF: 3594.3/47

Right: -0.228+/-0.011 χ^2/NDF: 4158.8/66

In: 0.133+/-0.004 χ^2/NDF:4135.6/54

Out: 0.115+/-0.004 χ^2/NDF:4786.1/59

All: 0.124+/-0.003 χ^2/NDF: 8931.2/114



Right In: 14.805+/-0.696 χ^2/NDF: 1192.5/14

Left Out: -8.332+/-0.500 χ^2/NDF:2226.2/24

Right Out: 13.132+/-0.630 χ^2/NDF: 1376.3/15

Left In: -8.652+/-0.507 χ^2/NDF:2223.8/22

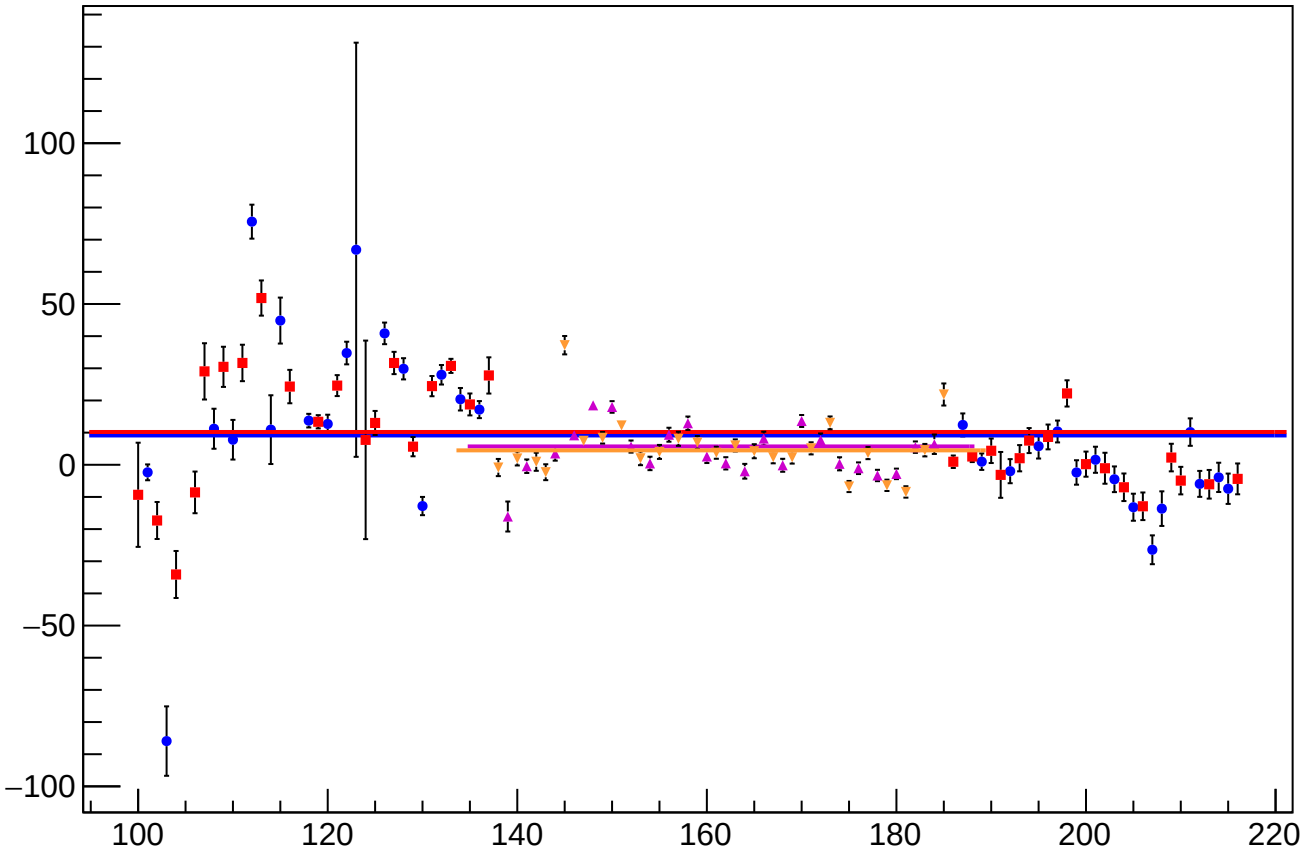
Left: -8.490+/-0.356 χ^2/NDF: 4450.2/47

Right: 13.886+/-0.467 χ^2/NDF: 2572.0/30

In: -0.511+/-0.410 χ^2/NDF:4158.6/37

Out: -0.050+/-0.392 χ^2/NDF:4314.7/40

All: -0.270+/-0.283 χ^2/NDF: 8474.0/78



Right In: 9.118+/-0.652 χ^2/NDF: 778.1/31

Left Out: 4.484+/-0.392 χ^2/NDF:371.9/24

Right Out: 10.201+/-0.620 χ^2/NDF: 508.9/34

Left In: 5.705+/-0.404 χ^2/NDF:324.1/22

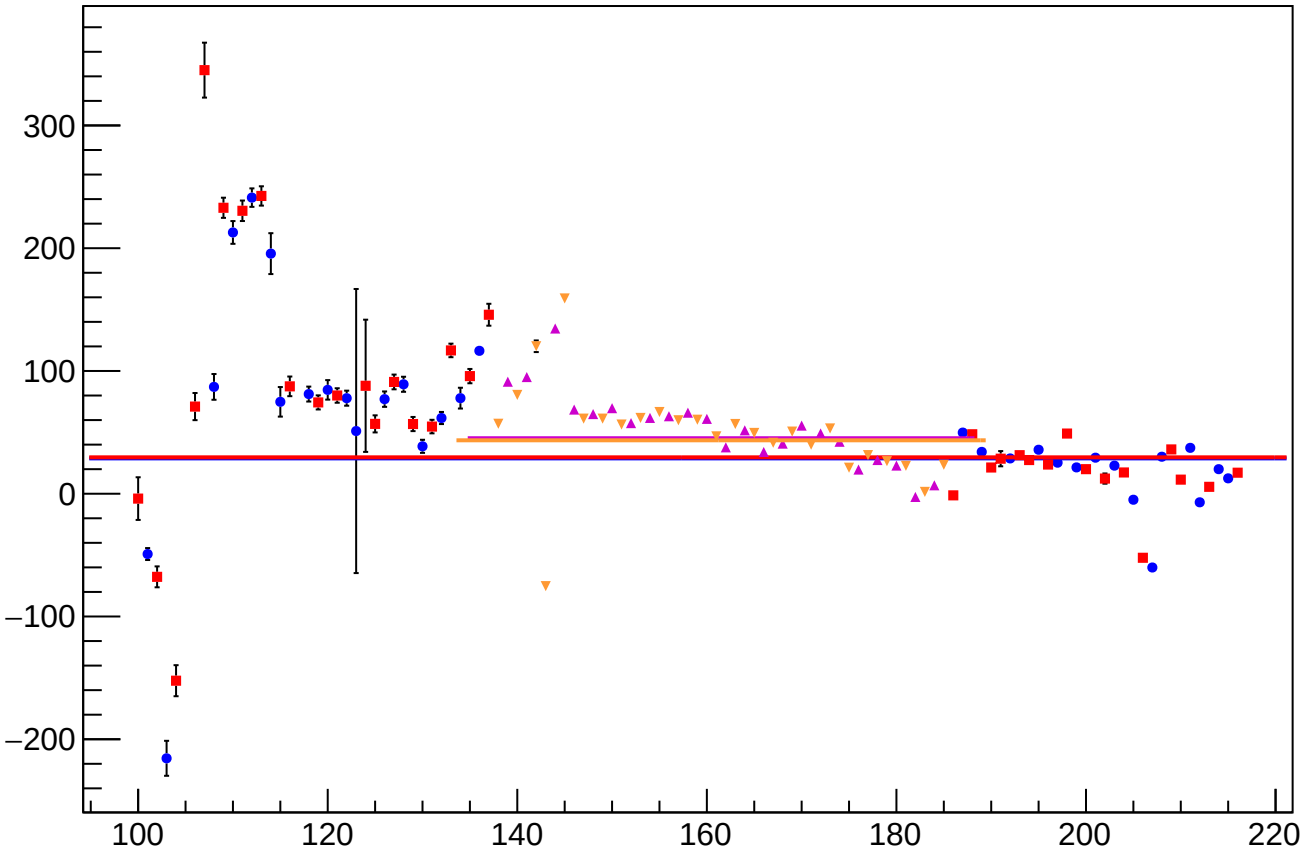
Left: 5.076+/-0.281 χ^2/NDF: 700.6/47

Right: 9.687+/-0.449 χ^2/NDF: 1288.5/66

In: 6.652+/-0.344 χ^2/NDF:1122.0/54

Out: 6.118+/-0.331 χ^2/NDF:941.5/59

All: 6.375+/-0.239 χ^2/NDF: 2064.7/114



Right In: 28.796+/-0.613 χ^2/NDF: 4346.4/31

Left Out: 43.524+/-0.498 χ^2/NDF:3830.7/24

Right Out: 29.645+/-0.534 χ^2/NDF: 5465.9/34

Left In: 45.211+/-0.504 χ^2/NDF:3048.5/22

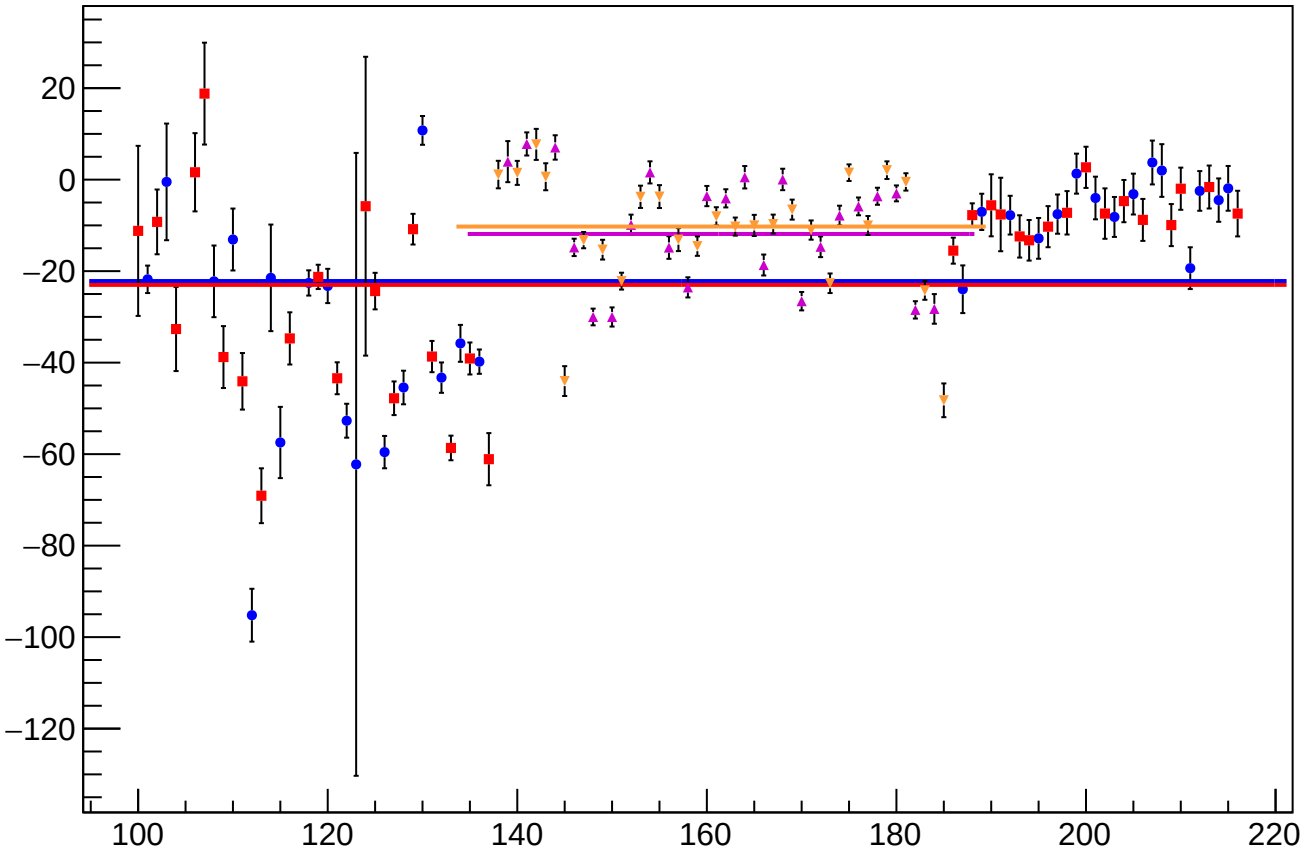
Left: 44.358+/-0.354 χ^2/NDF: 6884.8/47

Right: 29.279+/-0.403 χ^2/NDF: 9813.4/66

In: 38.587+/-0.389 χ^2/NDF:7822.5/54

Out: 37.068+/-0.364 χ^2/NDF:9657.4/59

All: 37.777+/-0.266 χ^2/NDF: 17487.9/114



Right In: -22.163+/-0.755 χ^2/NDF: 824.5/31

Left Out: -10.257+/-0.444 χ^2/NDF:552.4/24

Right Out: -23.003+/-0.744 χ^2/NDF: 670.4/34

Left In: -11.877+/-0.456 χ^2/NDF:666.2/22

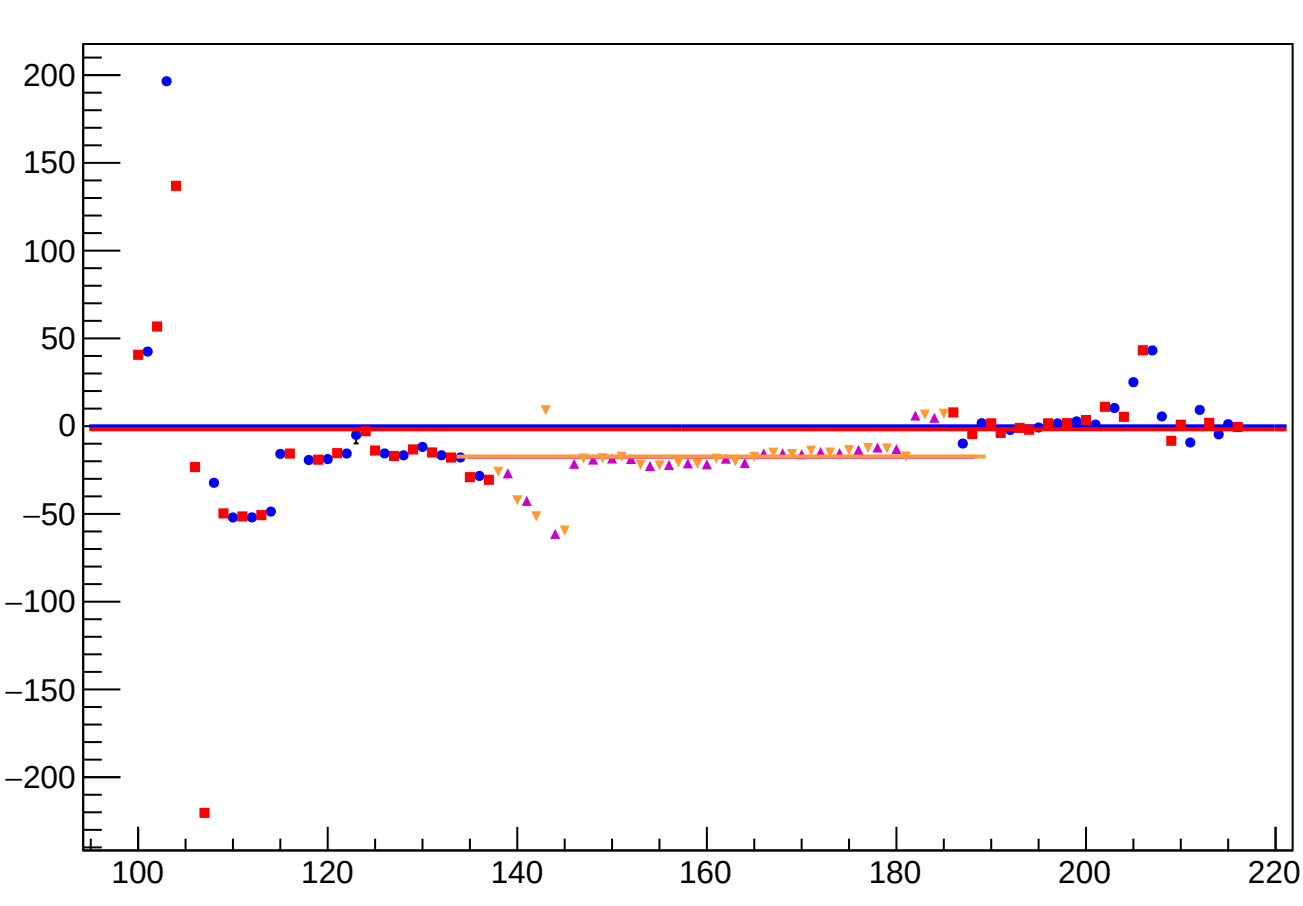
Left: -11.046+/-0.318 χ^2/NDF: 1225.1/47

Right: -22.589+/-0.530 χ^2/NDF: 1495.6/66

In: -14.629+/-0.390 χ^2/NDF:1626.8/54

Out: -13.610+/-0.381 χ^2/NDF:1439.4/59

All: -14.108+/-0.273 χ^2/NDF: 3069.7/114



Right In: -0.093+/-0.036 χ^2/NDF: 678312.7/31

Left Out: -17.333+/-0.020 χ^2/NDF:325197.2/24

Right Out: -1.780+/-0.035 χ^2/NDF: 672338.0/34

Left In: -17.491+/-0.021 χ^2/NDF:259215.8/22

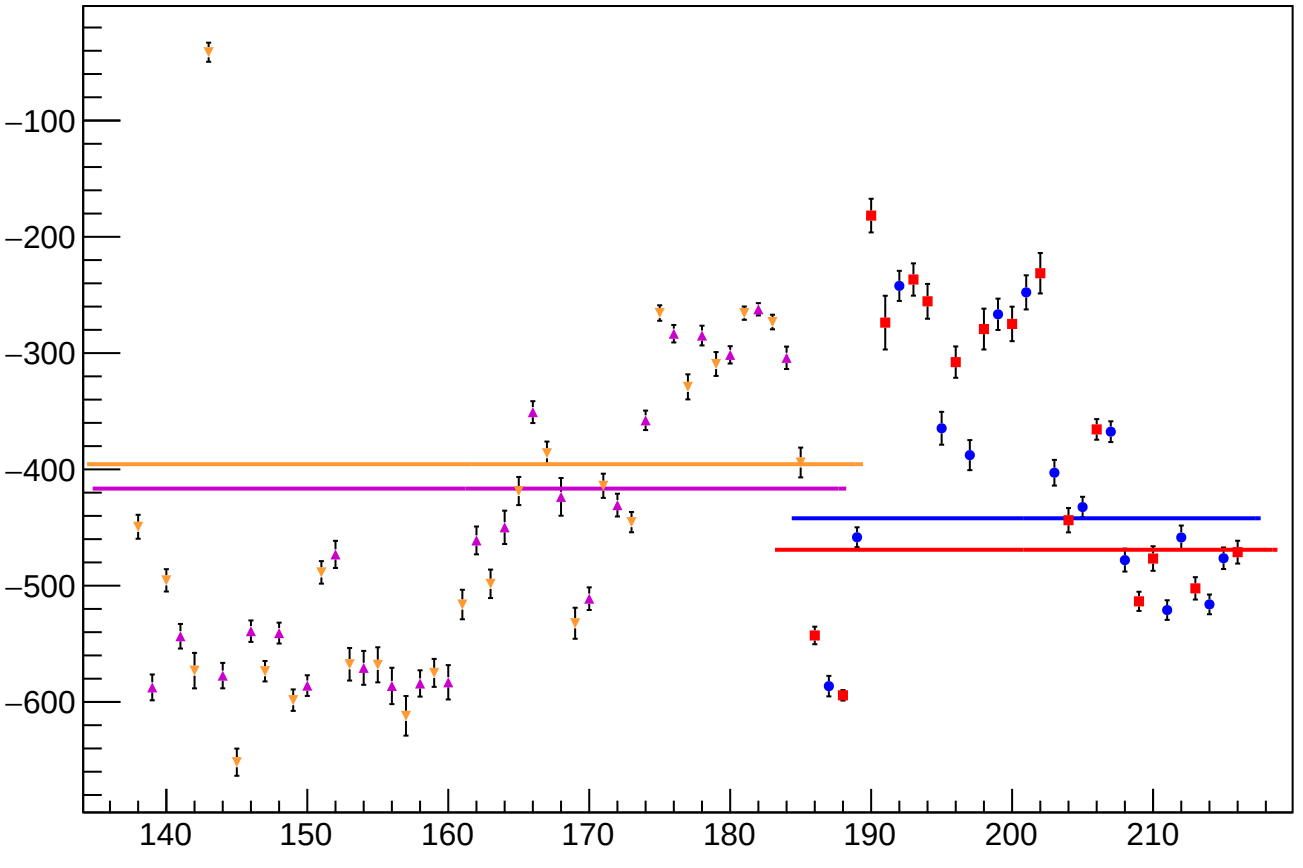
Left: -17.411+/-0.015 χ^2/NDF: 584442.6/47

Right: -0.956+/-0.025 χ^2/NDF: 1351803.4/66

In: -13.092+/-0.018 χ^2/NDF:1116570.0/54

Out: -13.344+/-0.018 χ^2/NDF:1146607.2/59

All: -13.220+/-0.013 χ^2/NDF: 2263278.0/114



Right In: -442.049+/-2.611 χ^2/NDF: 1178.9/14

Left Out: -395.547+/-1.953 χ^2/NDF:5946.5/24

Right Out: -469.131+/-2.448 χ^2/NDF: 2625.5/15

Left In: -416.521+/-2.005 χ^2/NDF:3917.0/22

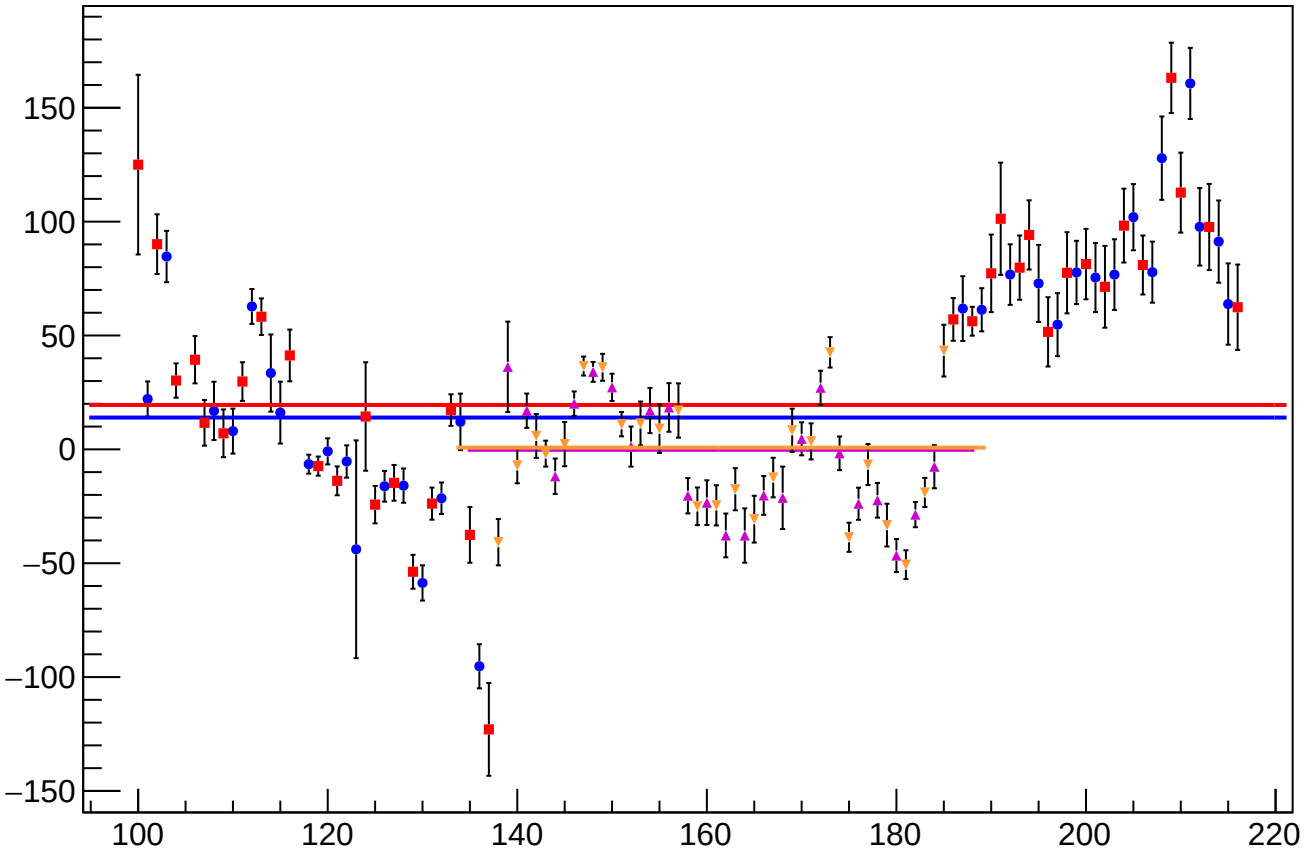
Left: -405.762+/-1.399 χ^2/NDF: 9919.7/47

Right: -456.462+/-1.786 χ^2/NDF: 3861.7/30

In: -425.990+/-1.590 χ^2/NDF:5156.1/37

Out: -424.178+/-1.527 χ^2/NDF:9124.1/40

All: -425.047+/-1.101 χ^2/NDF: 14280.9/78



Right In: 13.963+/-1.713 χ^2/NDF: 769.4/31

Left Out: 0.767+/-1.503 χ^2/NDF:350.1/24

Right Out: 19.475+/-1.666 χ^2/NDF: 731.1/34

Left In: -0.202+/-1.575 χ^2/NDF:260.8/22

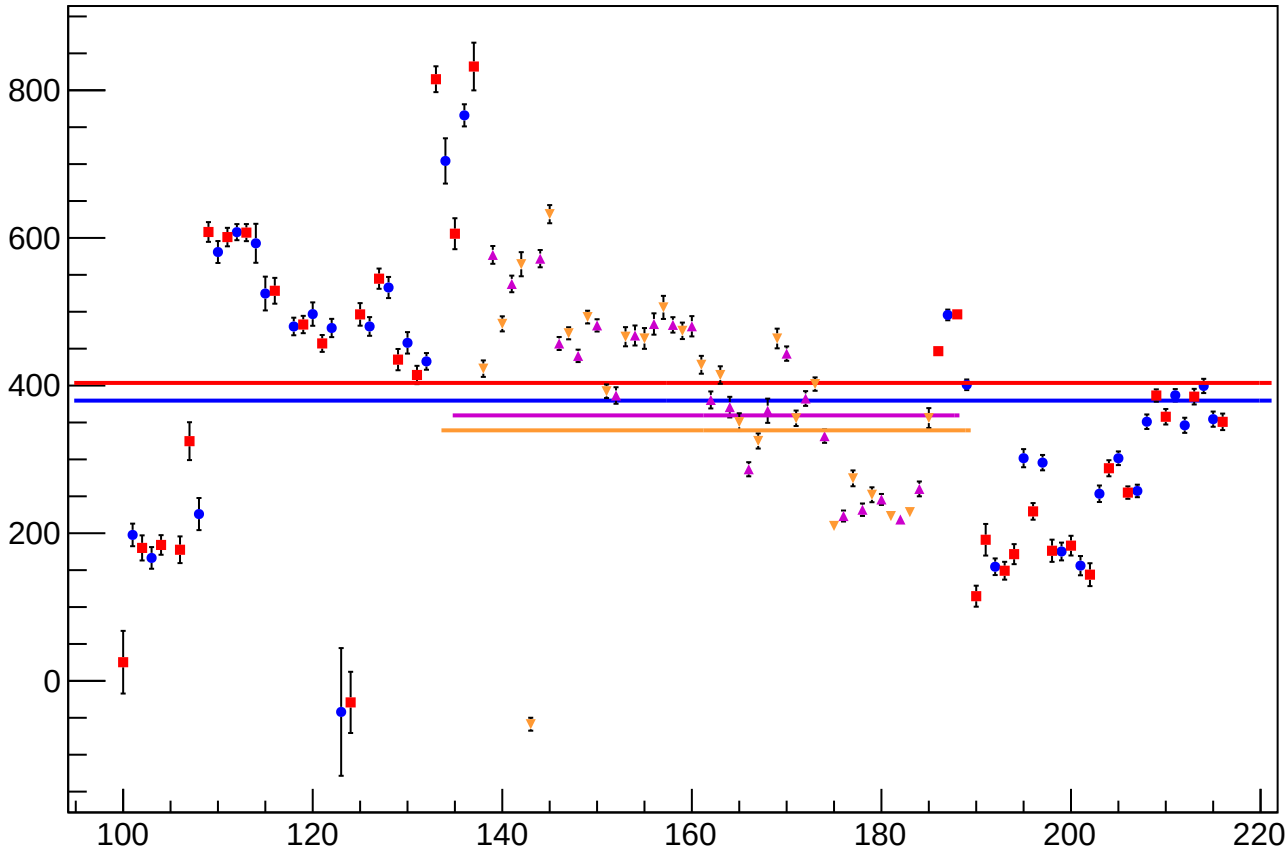
Left: 0.305+/-1.087 χ^2/NDF: 611.1/47

Right: 16.798+/-1.194 χ^2/NDF: 1505.9/66

In: 6.286+/-1.160 χ^2/NDF:1067.3/54

Out: 9.162+/-1.116 χ^2/NDF:1150.7/59

All: 7.780+/-0.804 χ^2/NDF: 2221.2/114



Right In: 379.629+/-2.056 χ^2/NDF: 4135.1/31

Left Out: 339.355+/-1.963 χ^2/NDF:5502.5/24

Right Out: 403.601+/-1.862 χ^2/NDF: 6132.2/34

Left In: 359.609+/-2.003 χ^2/NDF:3398.5/22

Left: 349.278+/-1.402 χ^2/NDF: 8953.2/47

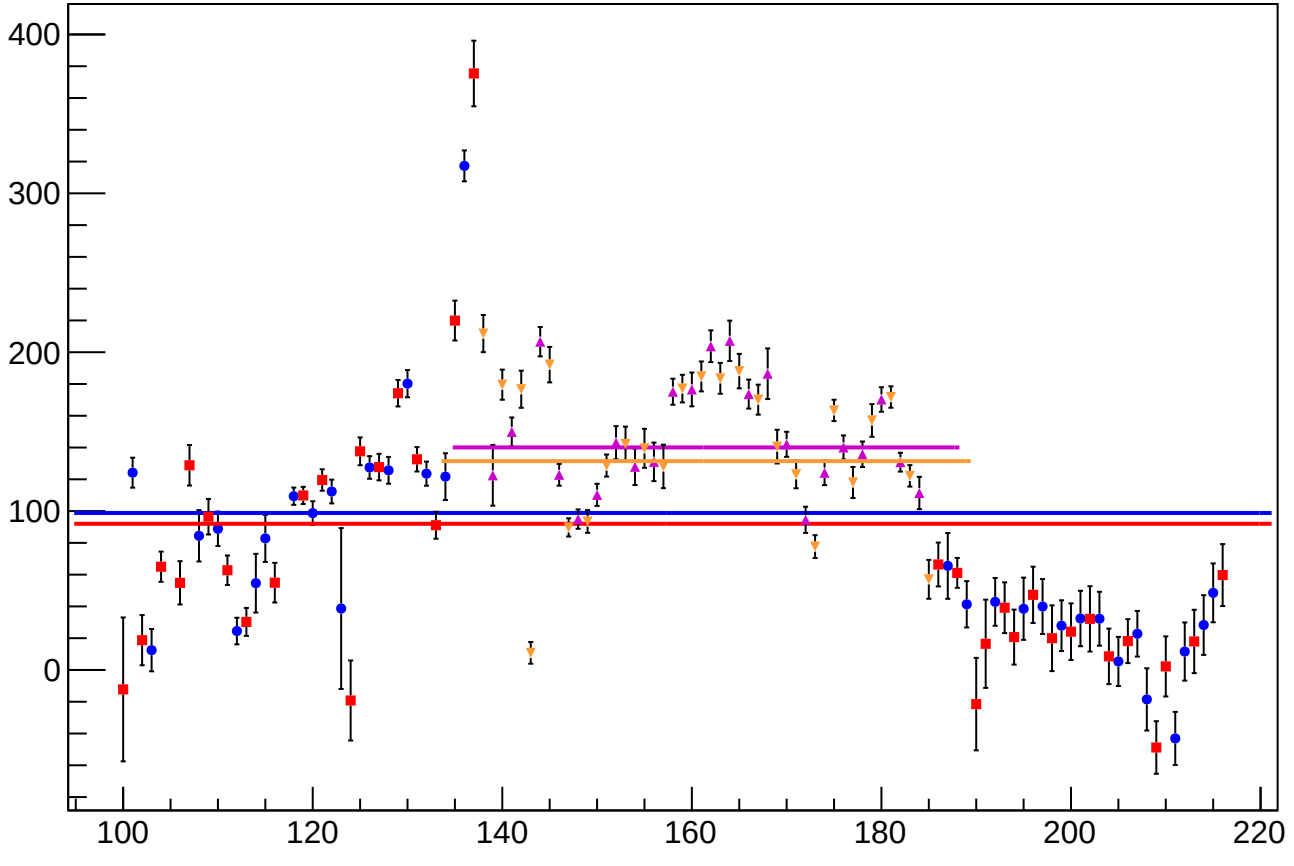
Right: 392.799+/-1.380 χ^2/NDF: 10341.9/66

In: 369.355+/-1.435 χ^2/NDF:7582.3/54

Out: 373.163+/-1.351 χ^2/NDF:12198.5/59

All: 371.373+/-0.983 χ^2/NDF: 19784.5/114

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 98.830+/-1.988 χ^2/NDF: 1098.9/31

Left Out: 131.464+/-1.728 χ^2/NDF:809.3/24

Right Out: 92.013+/-1.952 χ^2/NDF: 897.8/34

Left In: 140.069+/-1.795 χ^2/NDF:316.5/22

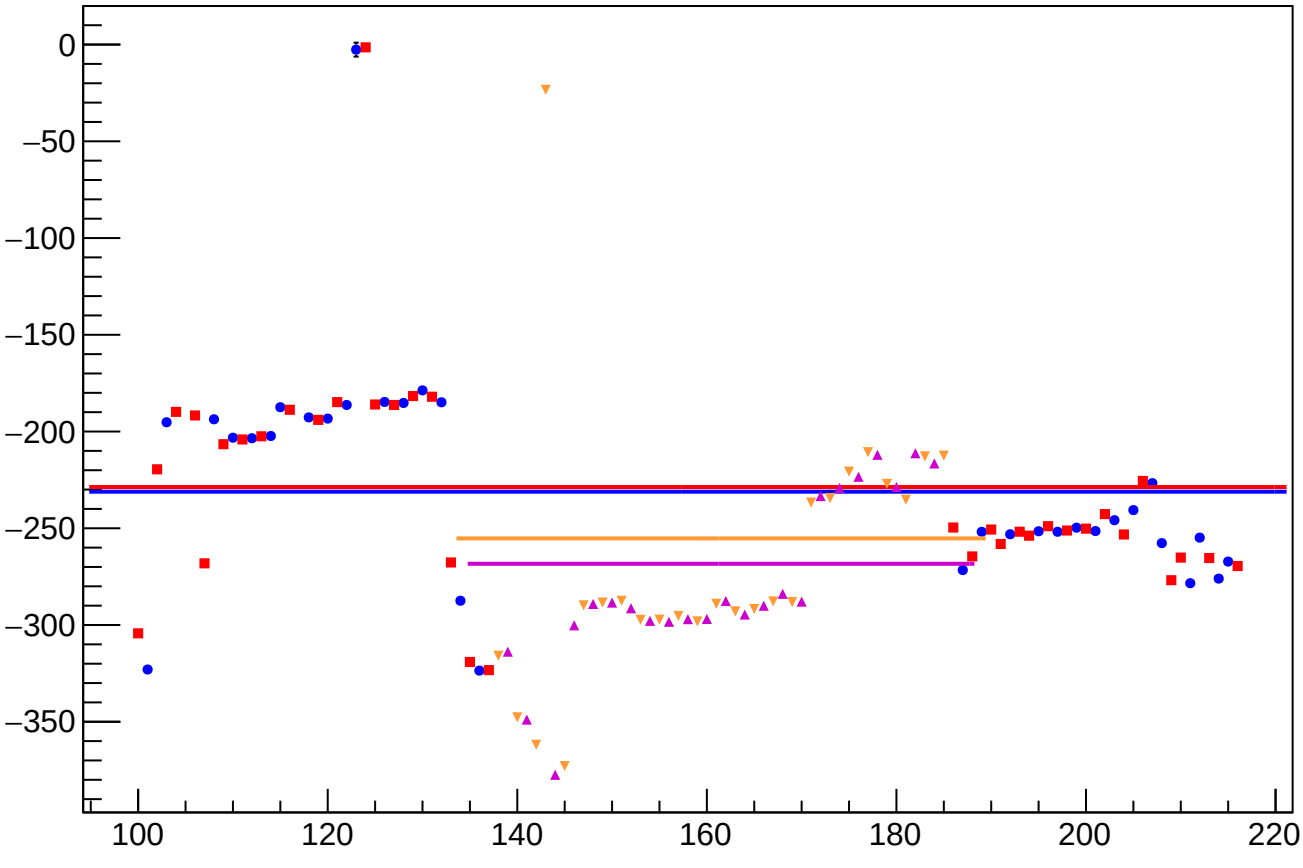
Left: 135.602+/-1.245 χ^2/NDF: 1137.8/47

Right: 95.360+/-1.393 χ^2/NDF: 2002.7/66

In: 121.545+/-1.332 χ^2/NDF:1652.5/54

Out: 114.140+/-1.294 χ^2/NDF:1936.1/59

All: 117.735+/-0.928 χ^2/NDF: 3604.5/114



Right In: -231.086+/-0.105 χ^2/NDF: 176615.4/31

Left Out: -255.232+/-0.082 χ^2/NDF:728016.7/24

Right Out: -228.685+/-0.101 χ^2/NDF: 157974.5/34

Left In: -268.353+/-0.084 χ^2/NDF:262479.3/22

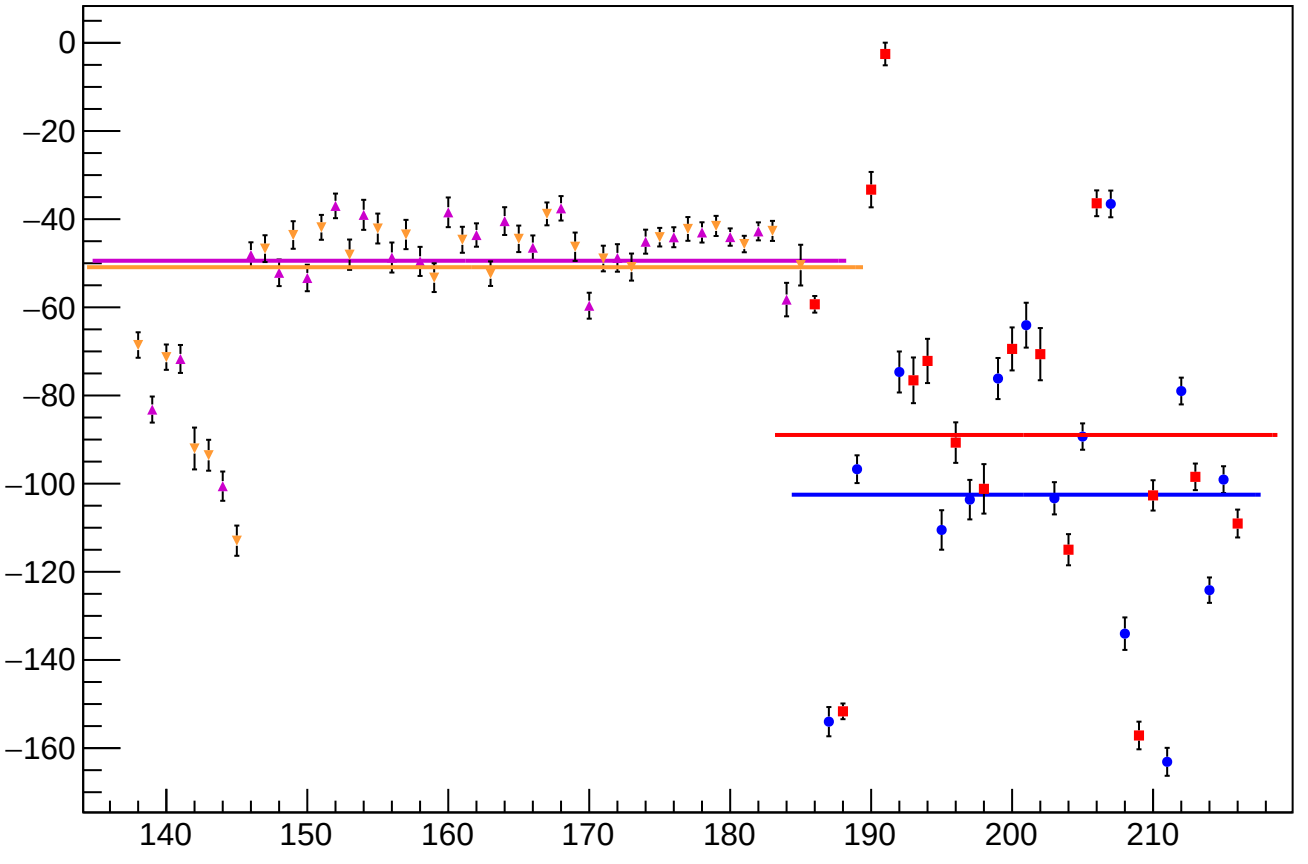
Left: -261.661+/-0.059 χ^2/NDF: 1003051.2/47

Right: -229.834+/-0.073 χ^2/NDF: 334861.1/66

In: -253.943+/-0.065 χ^2/NDF:515888.9/54

Out: -244.677+/-0.064 χ^2/NDF:927703.3/59

All: -249.175+/-0.046 χ^2/NDF: 1453892.7/11



Right In: -102.507+/-0.902 χ^2/NDF: 1421.5/14

Left Out: -50.897+/-0.573 χ^2/NDF:761.1/24

Right Out: -88.956+/-0.783 χ^2/NDF: 3775.2/15

Left In: -49.432+/-0.584 χ^2/NDF:543.4/22

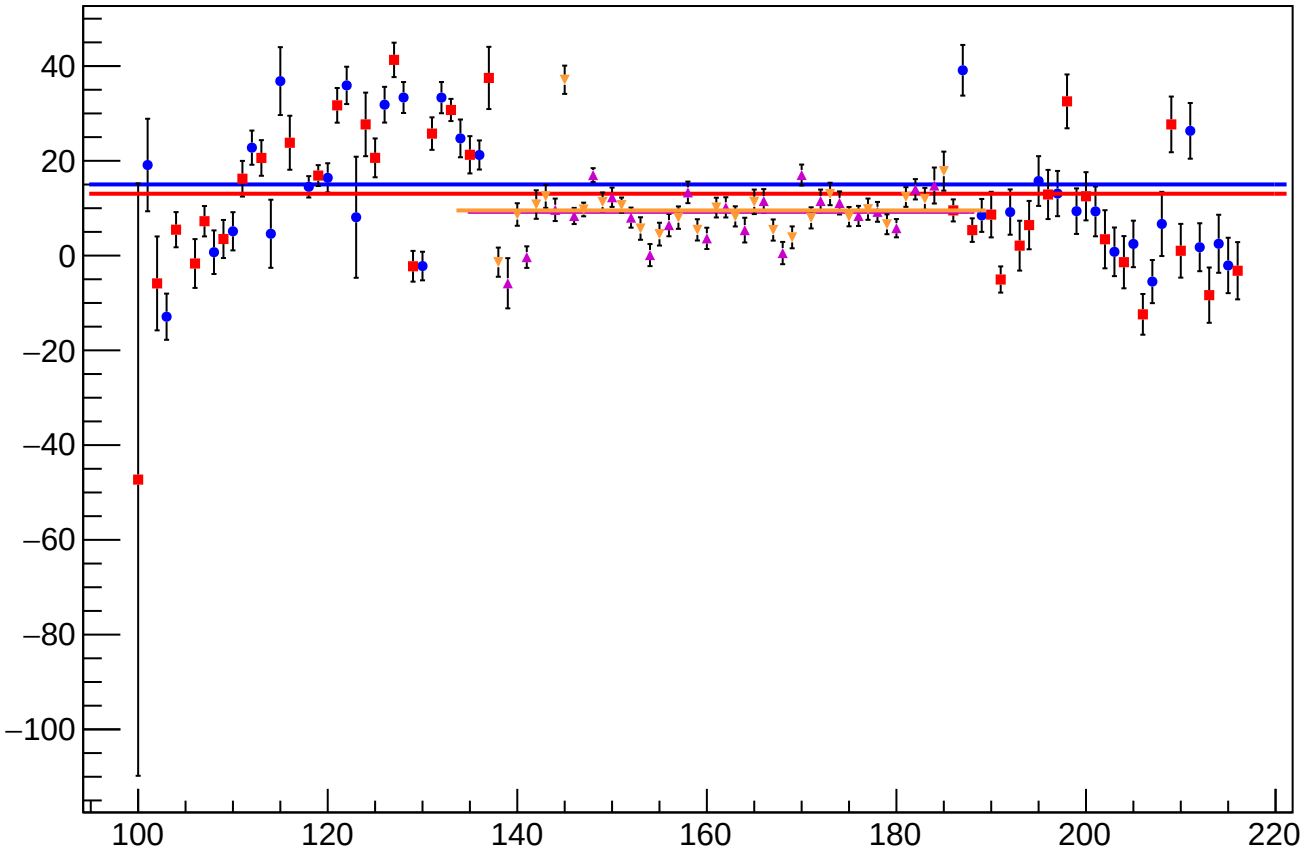
Left: -50.179+/-0.409 χ^2/NDF: 1307.8/47

Right: -94.778+/-0.592 χ^2/NDF: 5325.3/30

In: -65.095+/-0.490 χ^2/NDF:4403.1/37

Out: -64.157+/-0.462 χ^2/NDF:6074.5/40

All: -64.599+/-0.336 χ^2/NDF: 10479.6/78



Right In: 15.017+/-0.750 χ^2/NDF: 305.7/31

Left Out: 9.530+/-0.446 χ^2/NDF:134.4/24

Right Out: 13.053+/-0.663 χ^2/NDF: 392.1/34

Left In: 9.231+/-0.462 χ^2/NDF:124.0/22

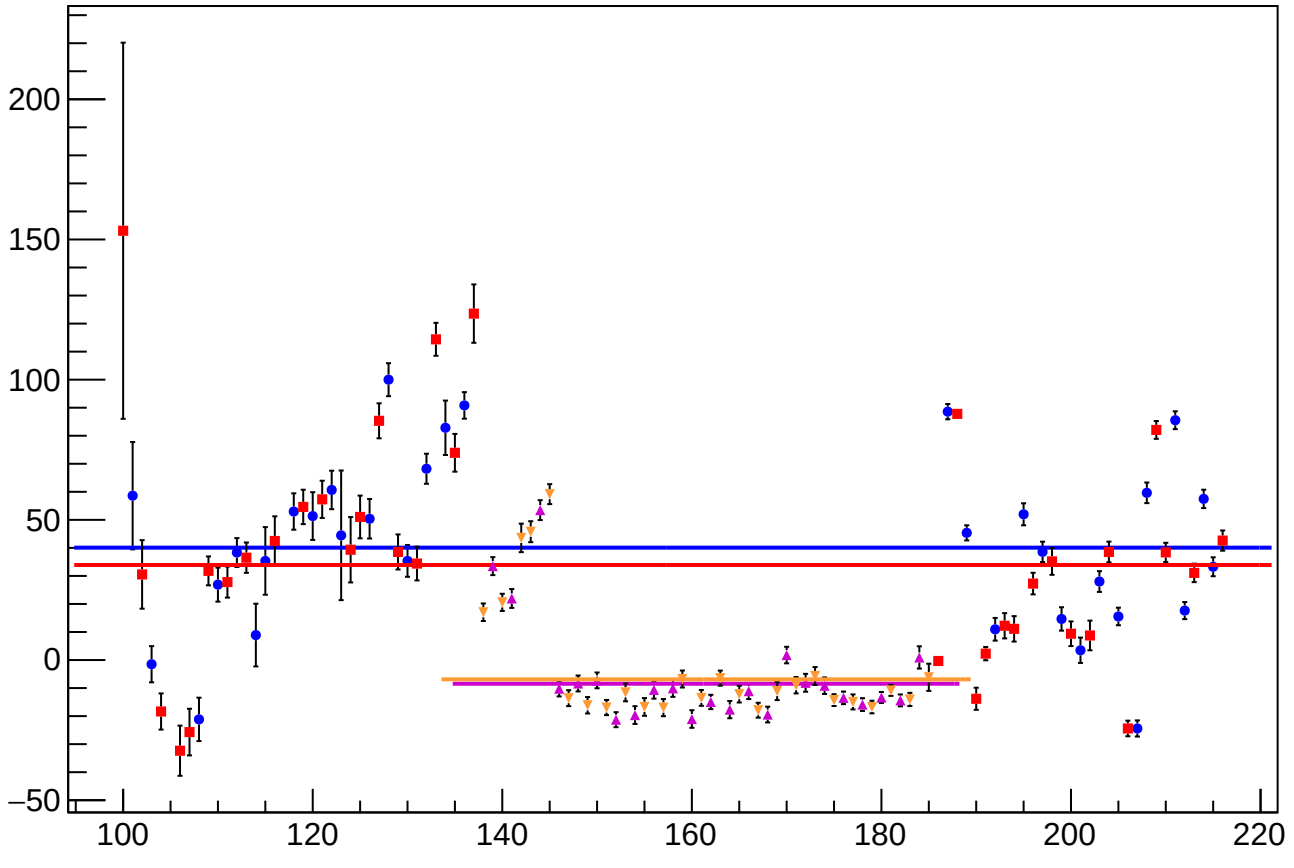
Left: 9.386+/-0.321 χ^2/NDF: 258.5/47

Right: 13.915+/-0.497 χ^2/NDF: 701.6/66

In: 10.822+/-0.393 χ^2/NDF:472.8/54

Out: 10.627+/-0.370 χ^2/NDF:545.8/59

All: 10.718+/-0.269 χ^2/NDF: 1018.8/114



Right In: 40.082+/-0.769 χ^2/NDF: 1777.7/31

Left Out: -6.888+/-0.571 χ^2/NDF:914.2/24

Right Out: 33.898+/-0.645 χ^2/NDF: 3602.8/34

Left In: -8.451+/-0.580 χ^2/NDF:688.9/22

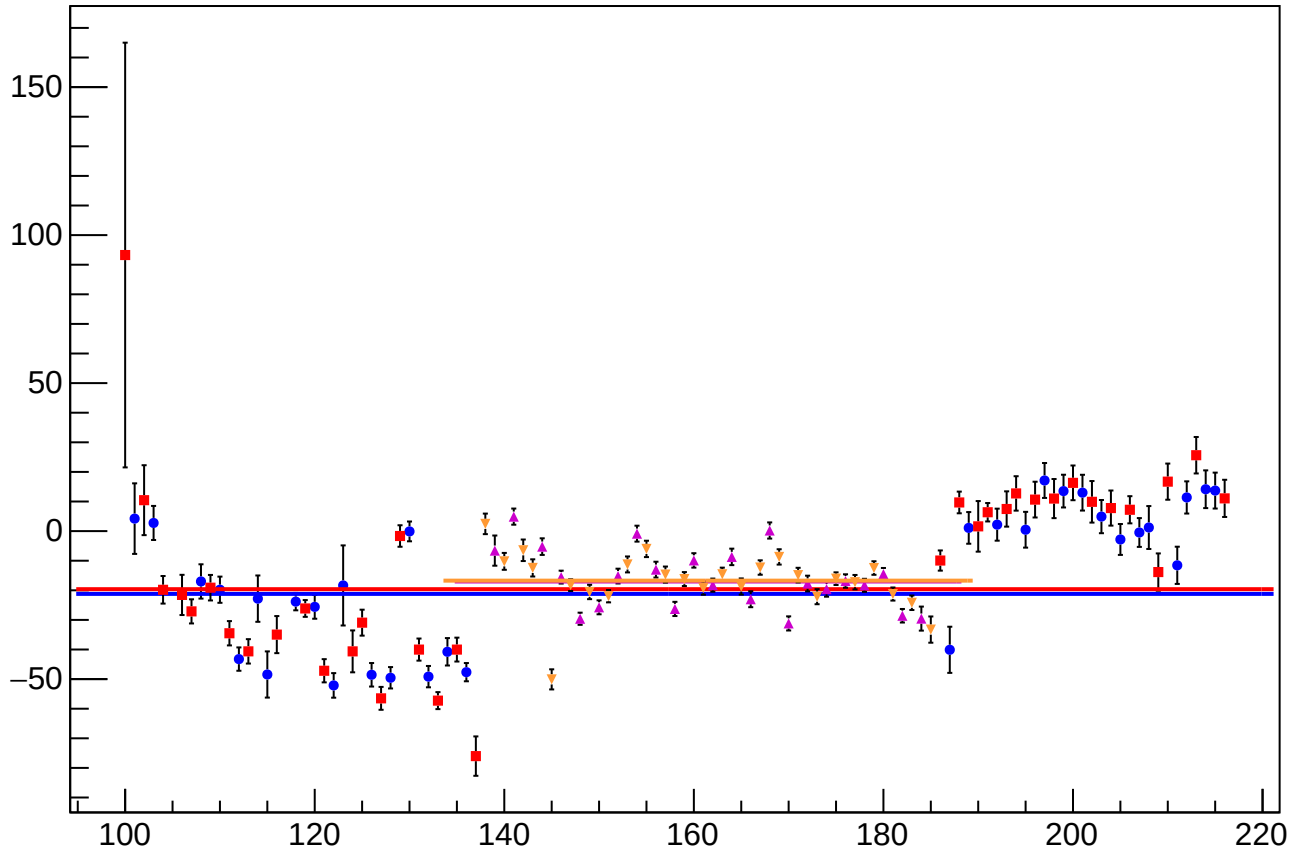
Left: -7.658+/-0.407 χ^2/NDF: 1606.8/47

Right: 36.451+/-0.494 χ^2/NDF: 5418.5/66

In: 9.145+/-0.463 χ^2/NDF:5006.8/54

Out: 11.042+/-0.427 χ^2/NDF:6760.1/59

All: 10.169+/-0.314 χ^2/NDF: 11776.0/114



Right In: -21.209+/-0.858 χ^2/NDF: 756.2/31

Left Out: -16.733+/-0.507 χ^2/NDF:223.3/24

Right Out: -19.619+/-0.784 χ^2/NDF: 1013.4/34

Left In: -17.023+/-0.522 χ^2/NDF:327.6/22

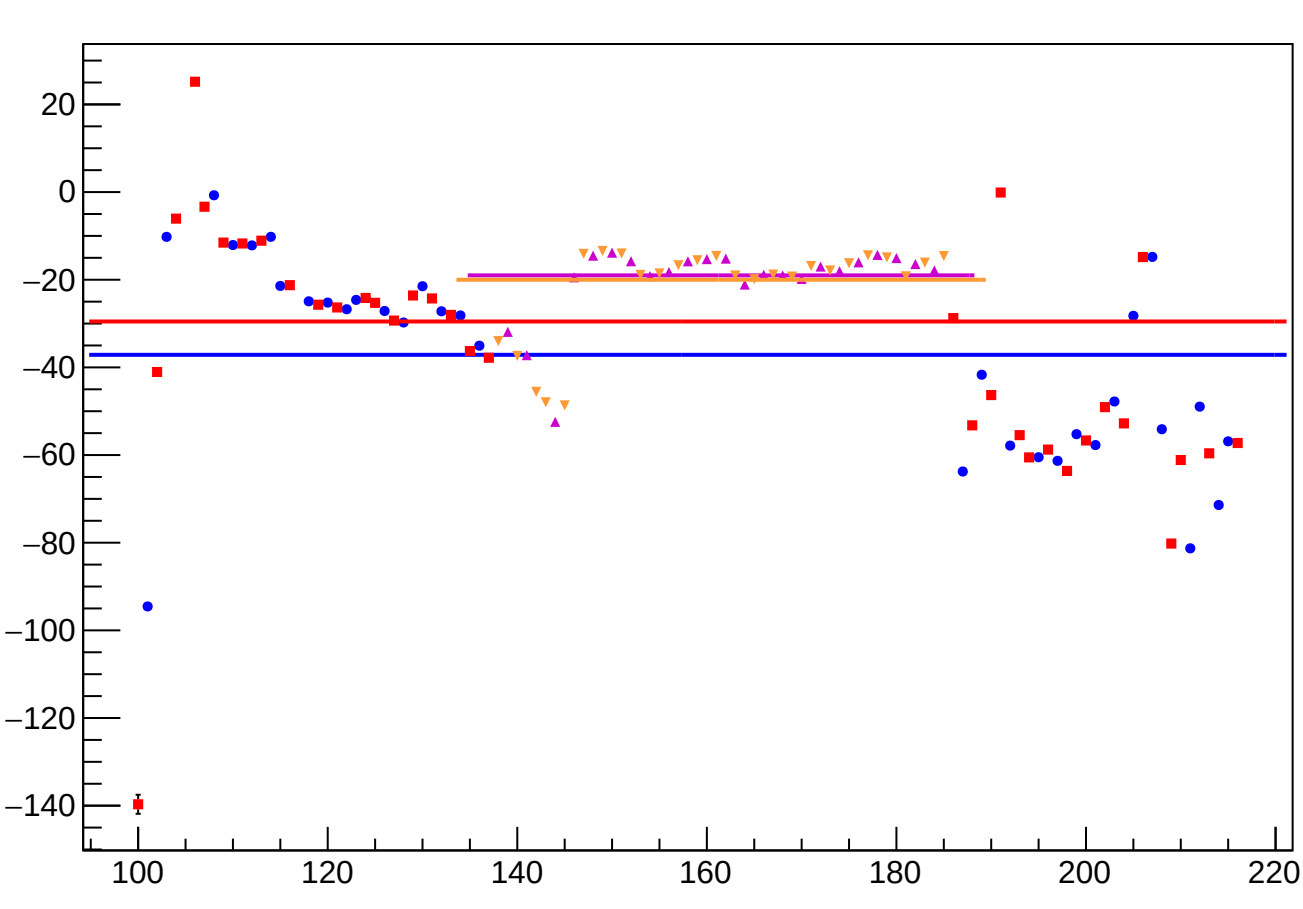
Left: -16.874+/-0.364 χ^2/NDF: 551.0/47

Right: -20.342+/-0.579 χ^2/NDF: 1771.5/66

In: -18.153+/-0.446 χ^2/NDF:1101.1/54

Out: -17.584+/-0.425 χ^2/NDF:1246.3/59

All: -17.855+/-0.308 χ^2/NDF: 2348.2/114



Right In: -37.133+/-0.041 χ^2/NDF: 258814.0/31

Left Out: -20.006+/-0.023 χ^2/NDF:145623.8/24

Right Out: -29.528+/-0.036 χ^2/NDF: 475819.9/34

Left In: -19.007+/-0.024 χ^2/NDF:90873.3/22

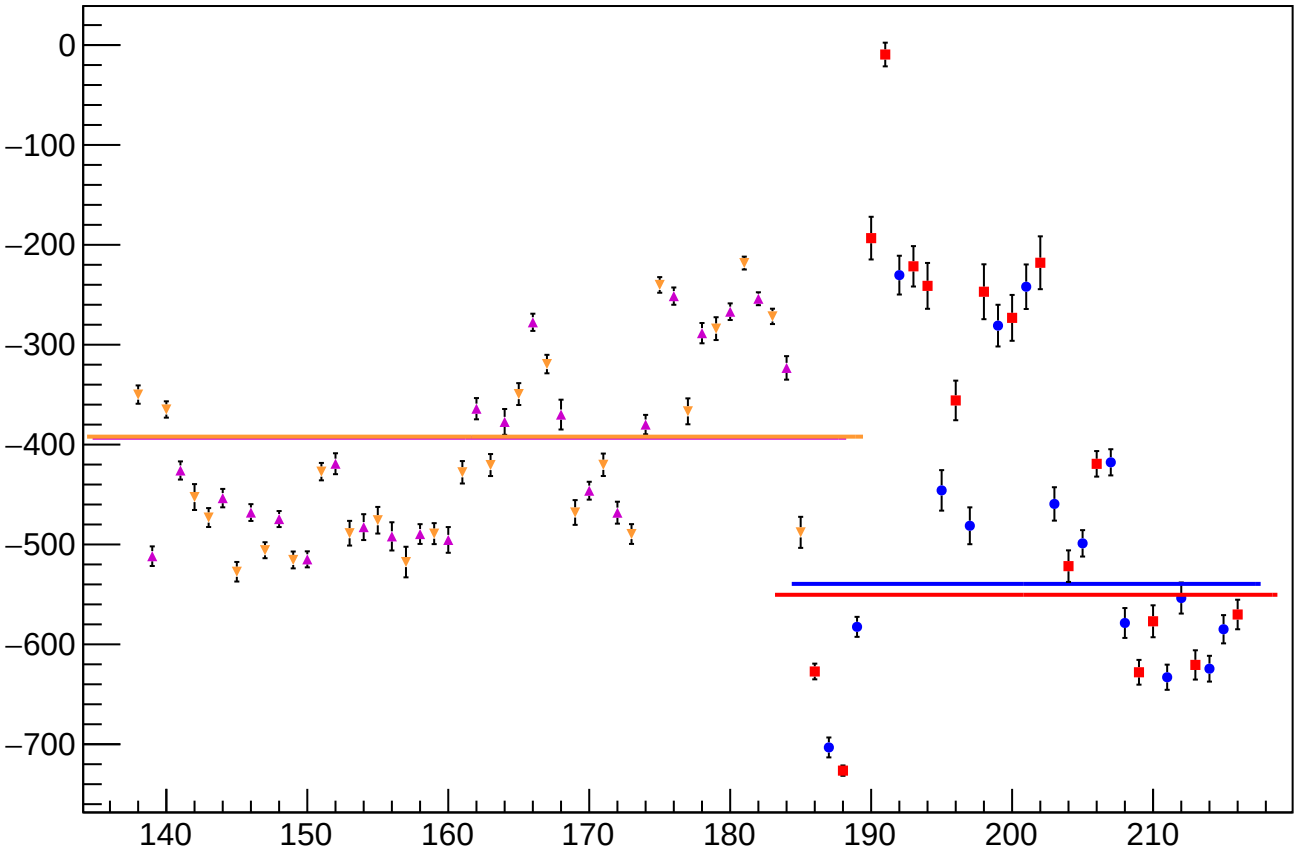
Left: -19.514+/-0.017 χ^2/NDF: 237400.2/47

Right: -32.863+/-0.027 χ^2/NDF: 754245.8/66

In: -23.591+/-0.020 χ^2/NDF:497932.0/54

Out: -22.821+/-0.020 χ^2/NDF:670829.6/59

All: -23.188+/-0.014 χ^2/NDF: 1169502.2/114



Right In: -539.465+/-3.691 χ^2/NDF: 1139.6/14

Left Out: -392.054+/-1.967 χ^2/NDF:2717.2/24

Right Out: -550.379+/-3.100 χ^2/NDF: 4754.1/15

Left In: -393.113+/-2.006 χ^2/NDF:2253.3/22

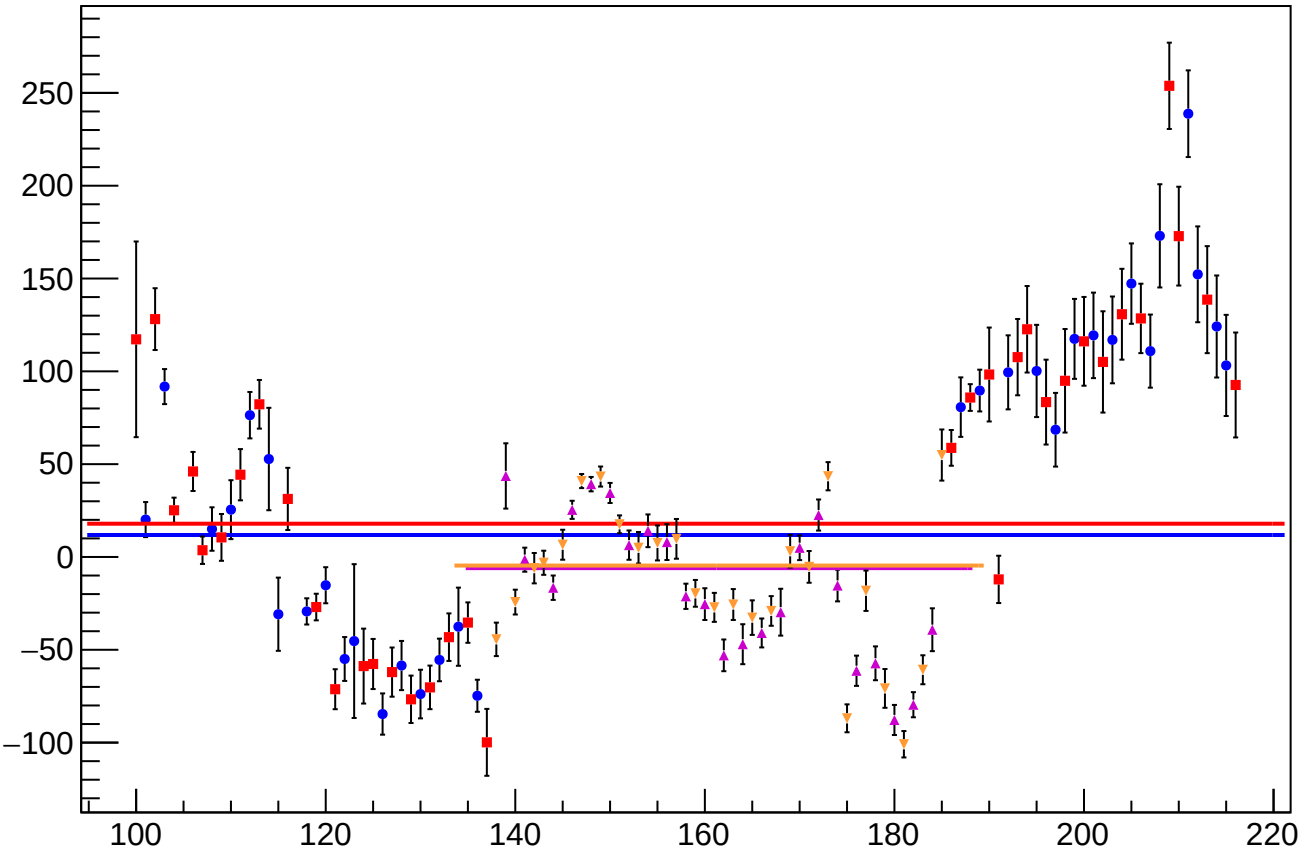
Left: -392.573+/-1.404 χ^2/NDF: 4970.6/47

Right: -545.864+/-2.374 χ^2/NDF: 5898.9/30

In: -426.480+/-1.762 χ^2/NDF:4607.0/37

Out: -437.489+/-1.661 χ^2/NDF:9331.3/40

All: -432.310+/-1.209 χ^2/NDF: 13958.9/78



Right In: 11.836+/-2.488 χ^2/NDF: 891.7/31

Left Out: -4.624+/-1.462 χ^2/NDF:772.9/24

Right Out: 17.916+/-2.208 χ^2/NDF: 901.5/34

Left In: -6.019+/-1.516 χ^2/NDF:654.1/22

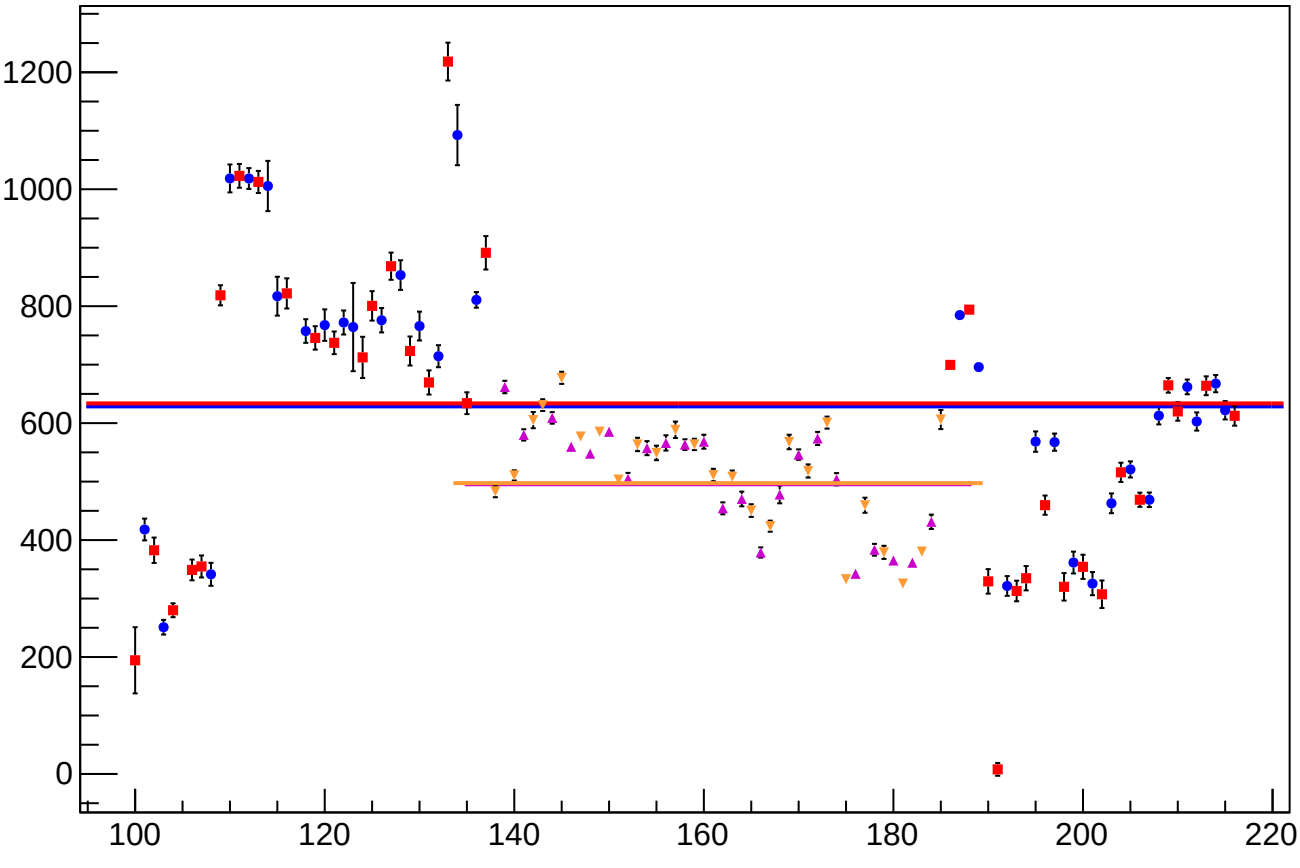
Left: -5.296+/-1.053 χ^2/NDF: 1427.4/47

Right: 15.237+/-1.651 χ^2/NDF: 1796.6/66

In: -1.182+/-1.295 χ^2/NDF:1583.4/54

Out: 2.249+/-1.219 χ^2/NDF:1746.9/59

All: 0.636+/-0.888 χ^2/NDF: 3334.0/114



Right In: 628.637+/-2.842 χ^2/NDF: 4230.3/31

Left Out: 497.381+/-1.966 χ^2/NDF:2614.6/24

Right Out: 633.714+/-2.349 χ^2/NDF: 9633.9/34

Left In: 495.454+/-1.992 χ^2/NDF:2253.8/22

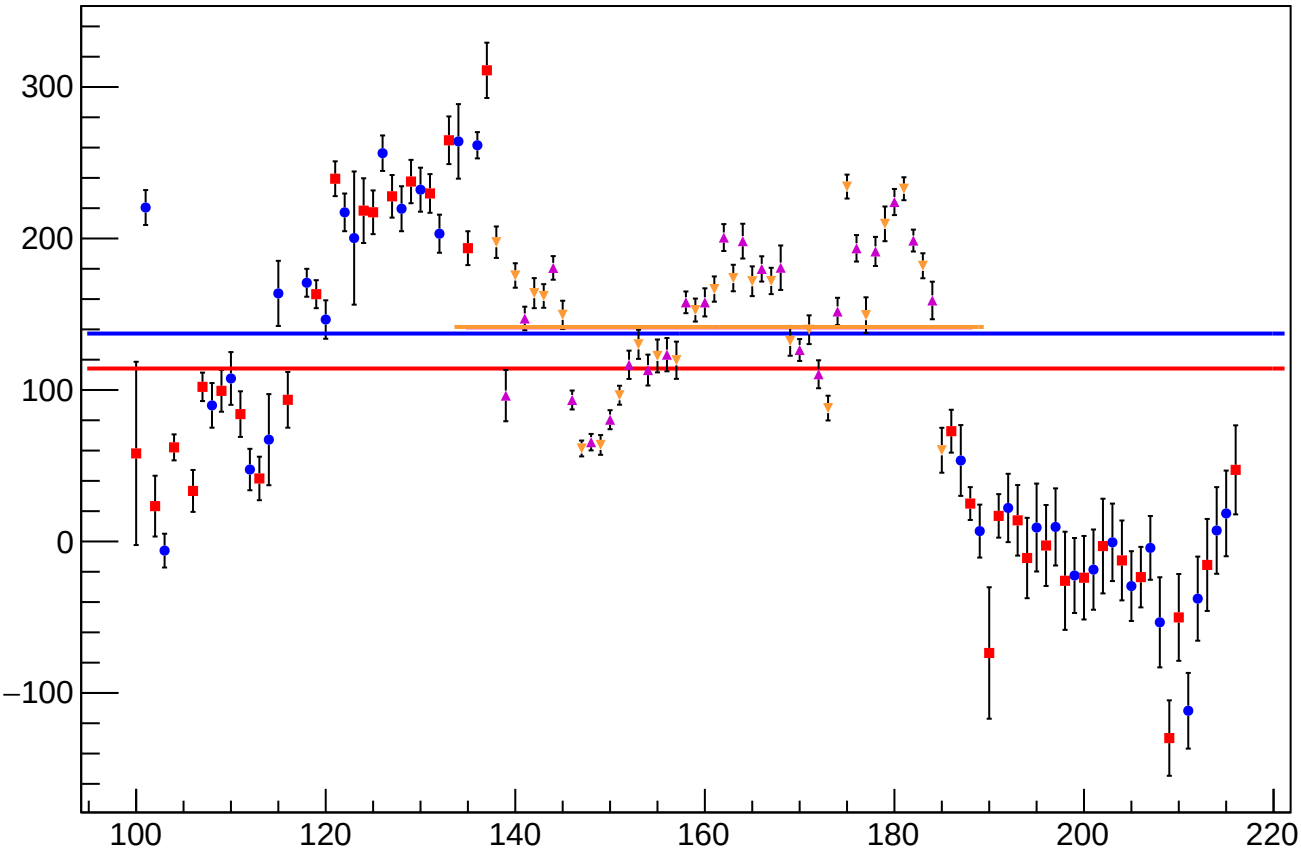
Left: 496.430+/-1.399 χ^2/NDF: 4868.9/47

Right: 631.653+/-1.811 χ^2/NDF: 13866.1/66

In: 539.338+/-1.631 χ^2/NDF:7956.8/54

Out: 553.536+/-1.508 χ^2/NDF:14229.4/59

All: 546.996+/-1.107 χ^2/NDF: 22227.1/114



Right In: 137.253+/-2.887 χ^2/NDF: 1334.9/31

Left Out: 141.588+/-1.698 χ^2/NDF:959.6/24

Right Out: 114.170+/-2.639 χ^2/NDF: 1309.2/34

Left In: 141.360+/-1.748 χ^2/NDF:741.2/22

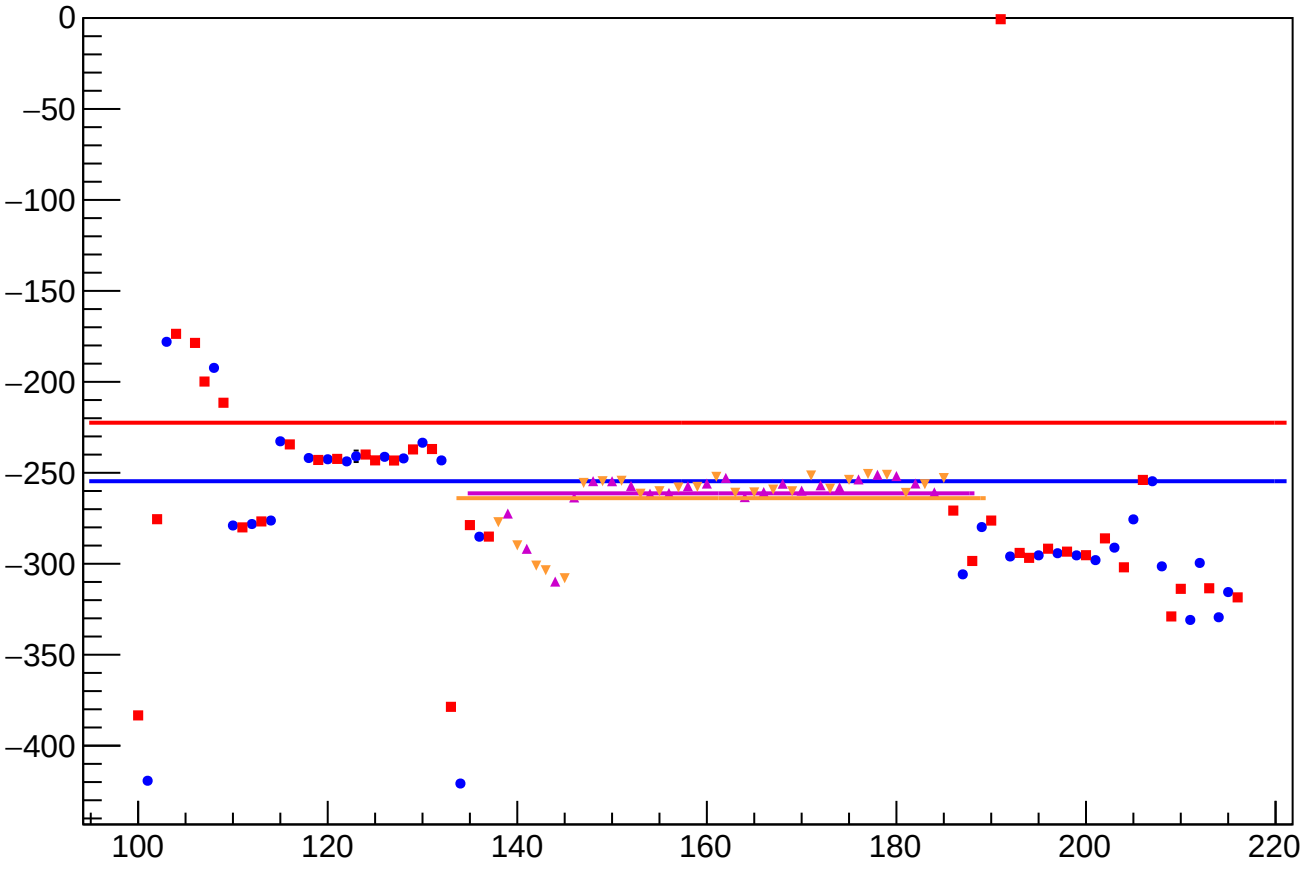
Left: 141.478+/-1.218 χ^2/NDF: 1700.8/47

Right: 124.676+/-1.948 χ^2/NDF: 2678.9/66

In: 140.259+/-1.495 χ^2/NDF:2077.6/54

Out: 133.556+/-1.428 χ^2/NDF:2345.1/59

All: 136.754+/-1.033 χ^2/NDF: 4433.2/114



Right In: -254.624+/-0.134 χ^2/NDF: 206876.3/31

Left Out: -263.943+/-0.081 χ^2/NDF:39085.0/24

Right Out: -222.466+/-0.121 χ^2/NDF: 513824.2/34

Left In: -261.286+/-0.082 χ^2/NDF:23348.4/22

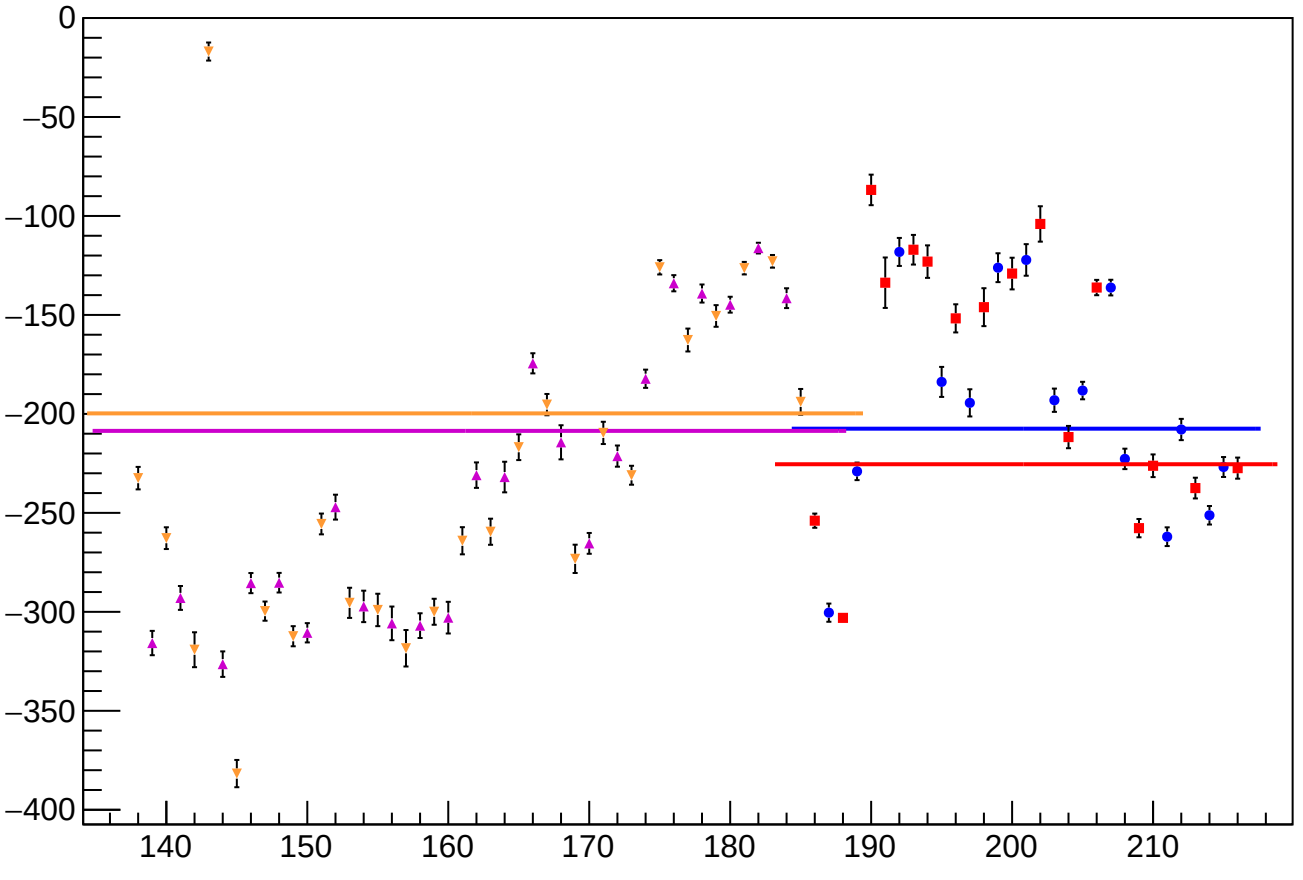
Left: -262.627+/-0.058 χ^2/NDF: 62963.4/47

Right: -236.890+/-0.090 χ^2/NDF: 752307.8/66

In: -259.478+/-0.070 χ^2/NDF:232017.1/54

Out: -251.075+/-0.067 χ^2/NDF:633768.4/59

All: -255.124+/-0.049 χ^2/NDF: 873259.6/114



Right In: -207.467+/-1.364 χ^2/NDF: 1438.1/14

Left Out: -199.741+/-1.061 χ^2/NDF:6361.5/24

Right Out: -225.428+/-1.273 χ^2/NDF: 2970.6/15

Left In: -208.579+/-1.082 χ^2/NDF:4805.1/22

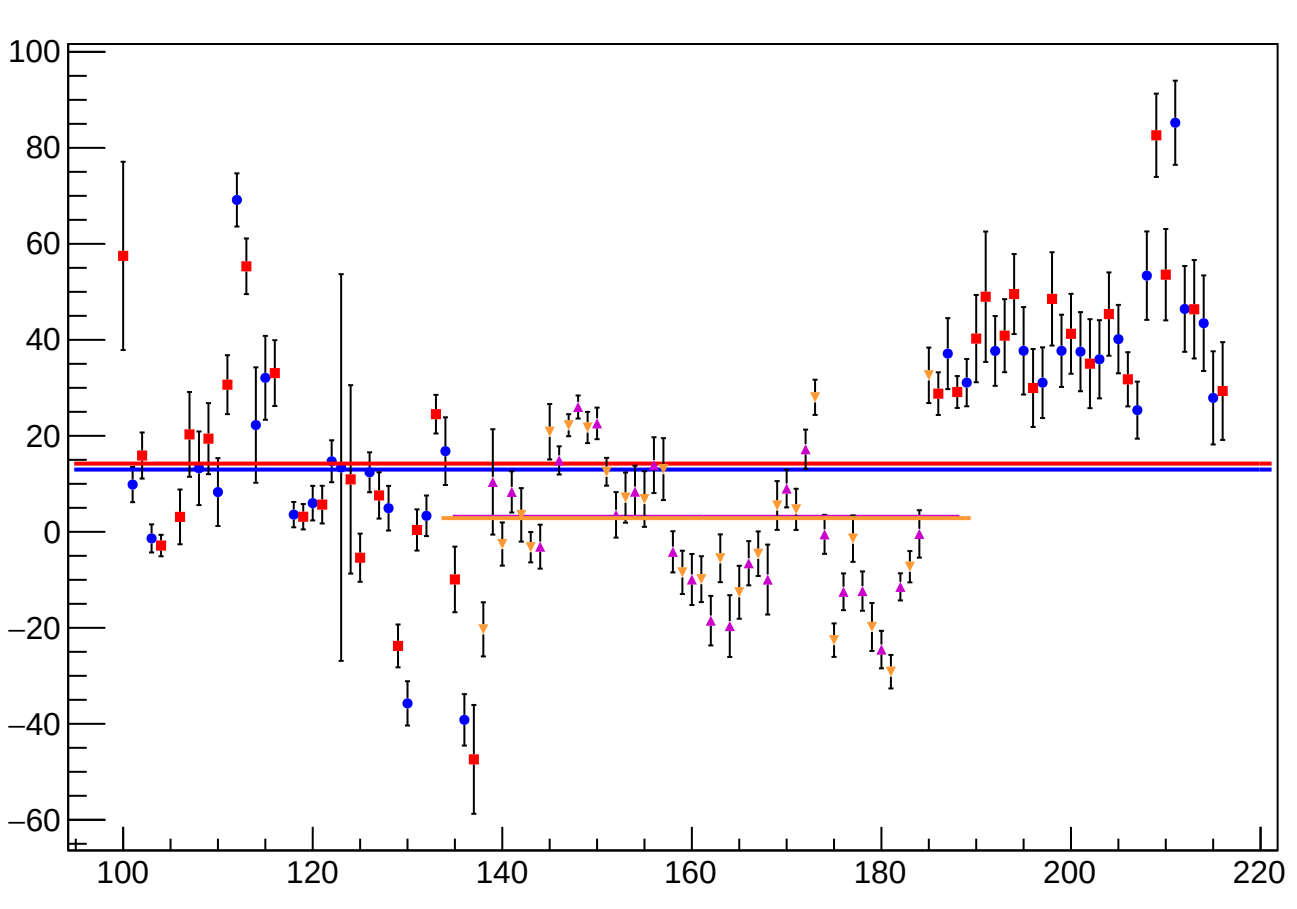
Left: -204.073+/-0.758 χ^2/NDF: 11200.6/47

Right: -217.067+/-0.931 χ^2/NDF: 4501.4/30

In: -208.150+/-0.848 χ^2/NDF:6243.7/37

Out: -210.272+/-0.815 χ^2/NDF:9572.3/40

All: -209.252+/-0.588 χ^2/NDF: 15819.2/78



Right In: 12.969+/-0.963 χ^2/NDF: 573.2/31

Left Out: 2.853+/-0.820 χ^2/NDF:419.8/24

Right Out: 14.211+/-0.911 χ^2/NDF: 525.3/34

Left In: 3.136+/-0.857 χ^2/NDF:319.8/22

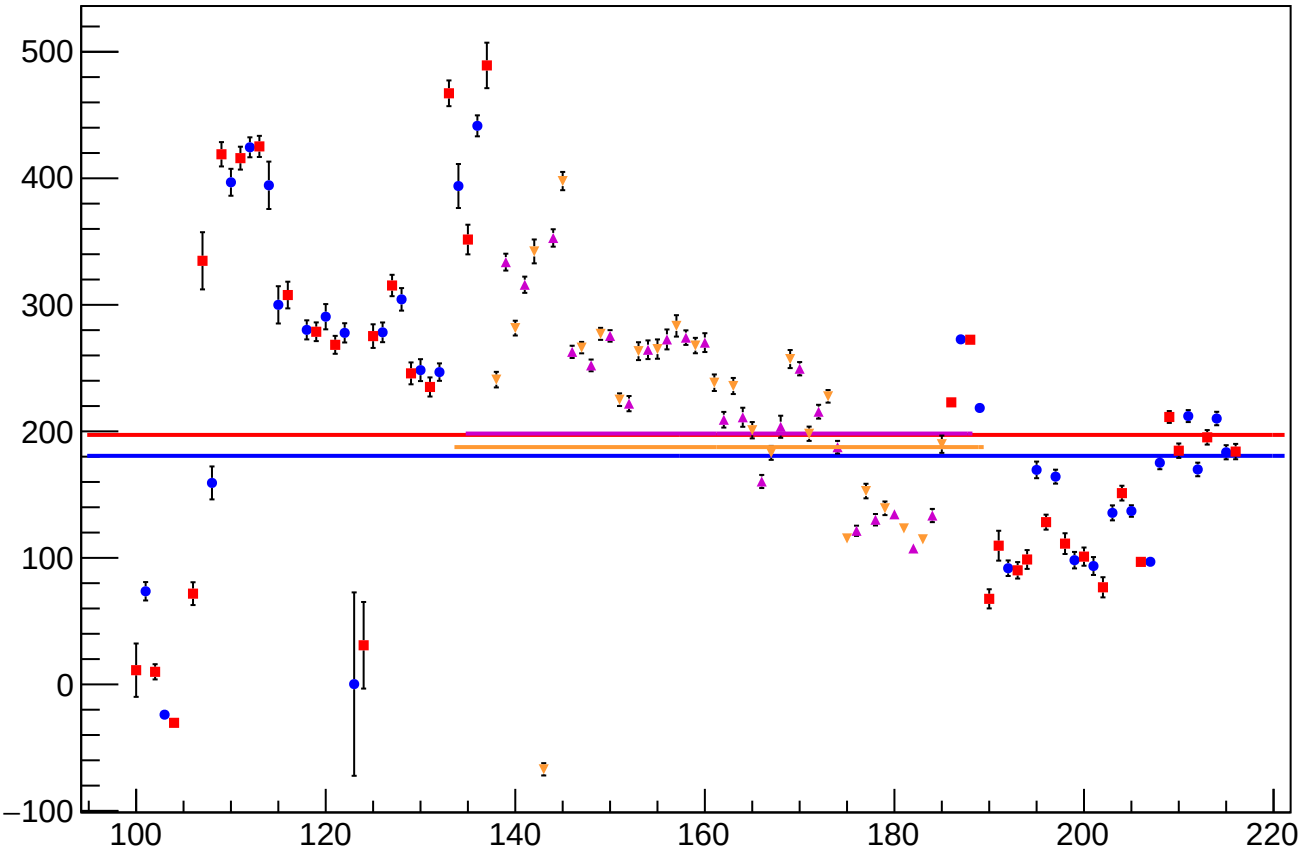
Left: 2.988+/-0.592 χ^2/NDF: 739.7/47

Right: 13.624+/-0.662 χ^2/NDF: 1099.4/66

In: 7.478+/-0.640 χ^2/NDF:951.2/54

Out: 7.933+/-0.610 χ^2/NDF:1031.0/59

All: 7.717+/-0.441 χ^2/NDF: 1982.5/114



Right In: 180.652+/-1.083 χ^2/NDF: 8770.1/31

Left Out: 187.565+/-1.066 χ^2/NDF:7082.0/24

Right Out: 197.194+/-0.977 χ^2/NDF: 12149.7/34

Left In: 198.269+/-1.082 χ^2/NDF:4515.8/22

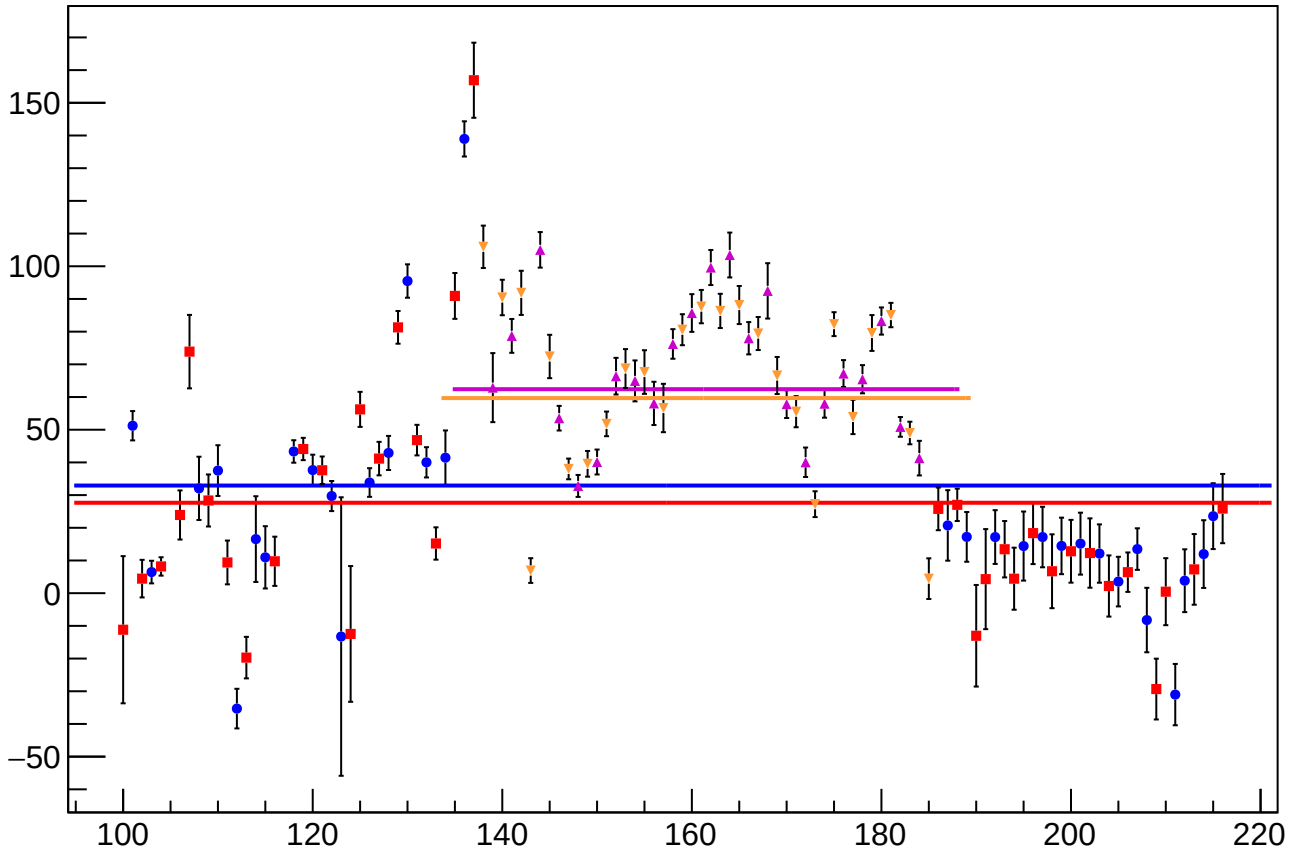
Left: 192.839+/-0.759 χ^2/NDF: 11647.5/47

Right: 189.770+/-0.726 χ^2/NDF: 21048.4/66

In: 189.472+/-0.765 χ^2/NDF:13418.3/54

Out: 192.796+/-0.720 χ^2/NDF:19276.1/59

All: 191.235+/-0.525 χ^2/NDF: 32704.4/114



Right In: 32.925+/-1.120 χ^2/NDF: 897.1/31

Left Out: 59.682+/-0.941 χ^2/NDF:757.6/24

Right Out: 27.663+/-1.084 χ^2/NDF: 662.2/34

Left In: 62.400+/-0.974 χ^2/NDF:406.3/22

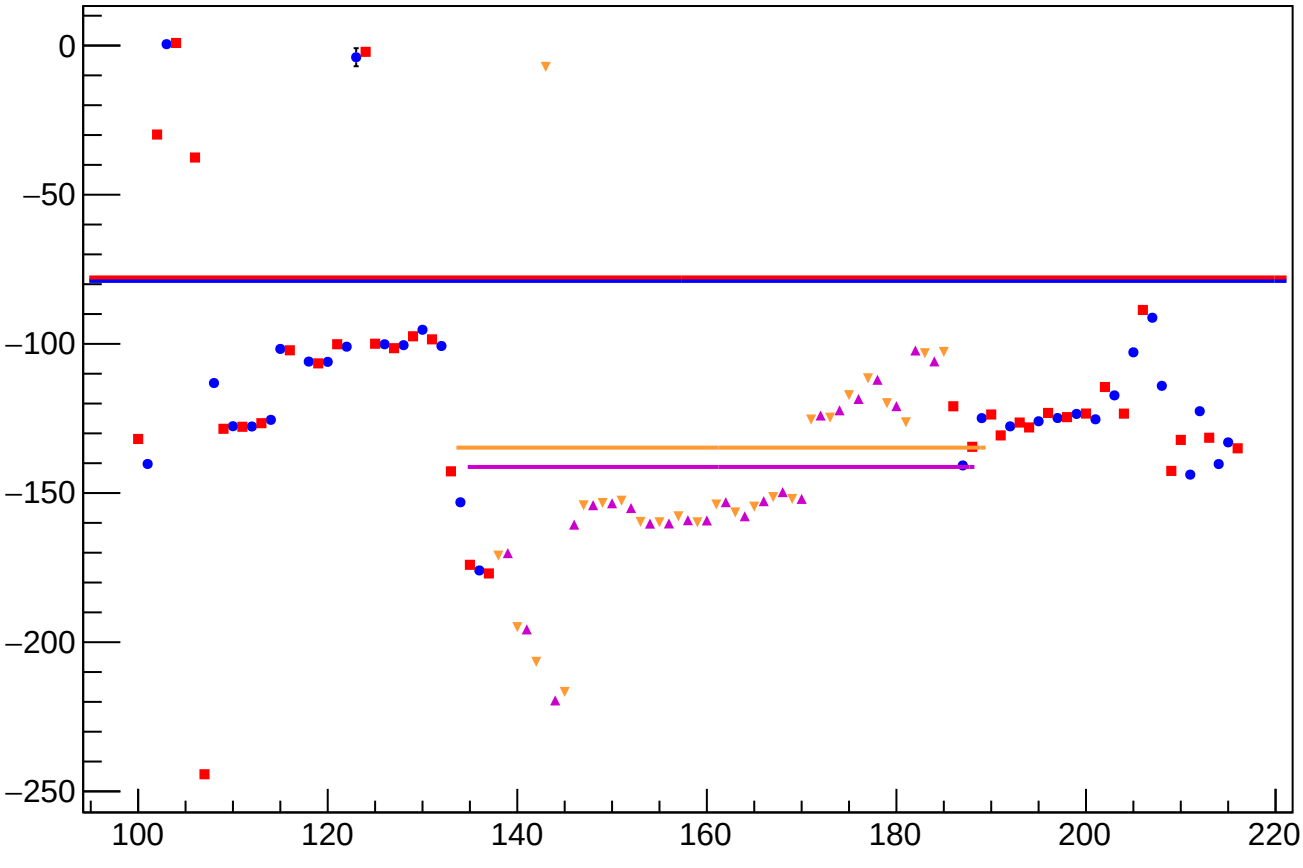
Left: 60.993+/-0.677 χ^2/NDF: 1167.9/47

Right: 30.208+/-0.779 χ^2/NDF: 1570.7/66

In: 49.706+/-0.735 χ^2/NDF:1697.7/54

Out: 45.928+/-0.710 χ^2/NDF:1917.4/59

All: 47.753+/-0.511 χ^2/NDF: 3628.8/114



Right In: -78.895+/-0.050 χ^2/NDF: 1469439.8/31

Left Out: -134.780+/-0.045 χ^2/NDF:804747.3/24

Right Out: -77.735+/-0.049 χ^2/NDF: 1452495.5/34

Left In: -141.255+/-0.045 χ^2/NDF:347229.8/22

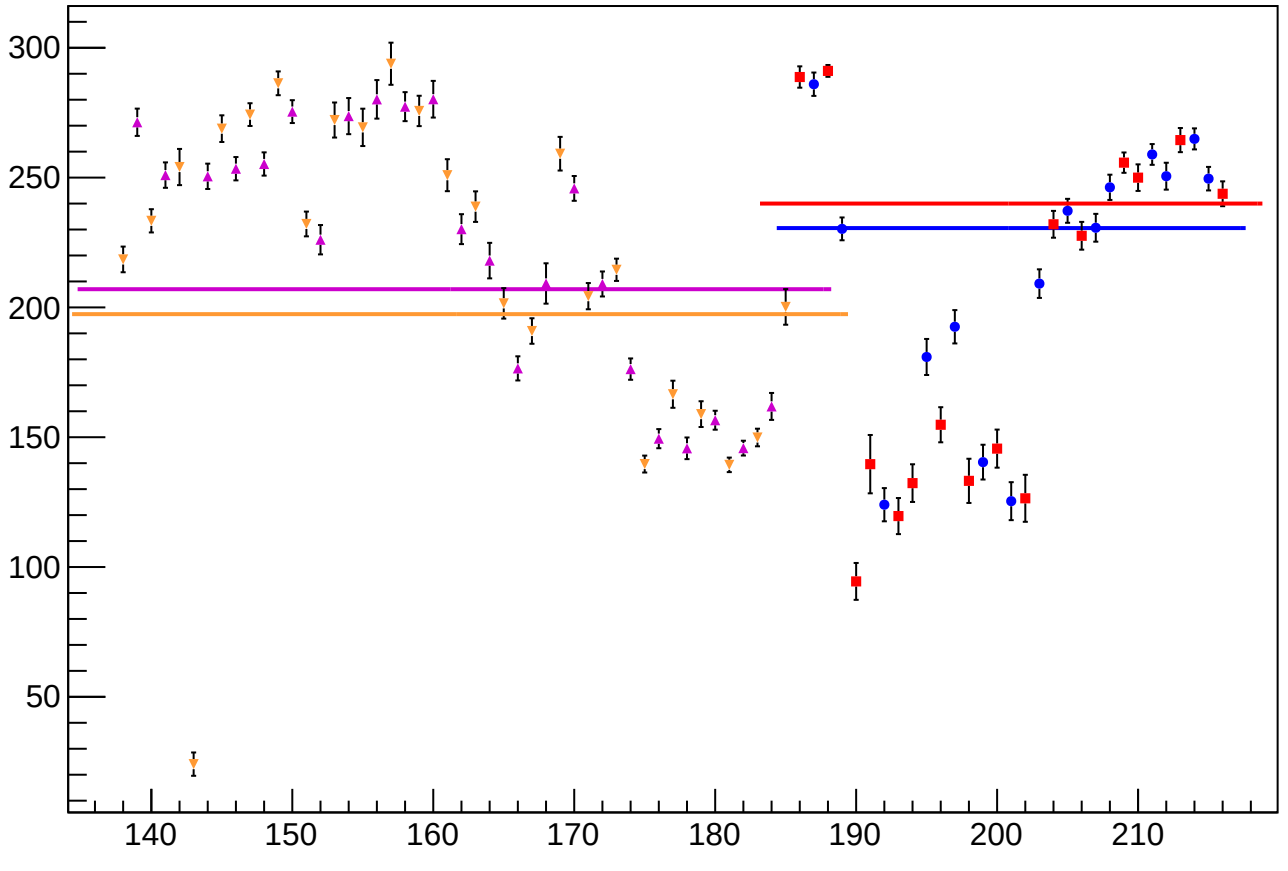
Left: -137.961+/-0.032 χ^2/NDF: 1162377.9/47

Right: -78.299+/-0.035 χ^2/NDF: 2922209.4/66

In: -113.281+/-0.034 χ^2/NDF:2667099.1/54

Out: -108.914+/-0.033 χ^2/NDF:3002251.6/59

All: -111.050+/-0.024 χ^2/NDF: 5677965.9/11



Right In: 230.557+/-1.315 χ^2/NDF: 1086.0/14

Left Out: 197.408+/-0.963 χ^2/NDF:4384.2/24

Right Out: 240.000+/-1.239 χ^2/NDF: 2357.9/15

Left In: 207.014+/-0.990 χ^2/NDF:2611.5/22

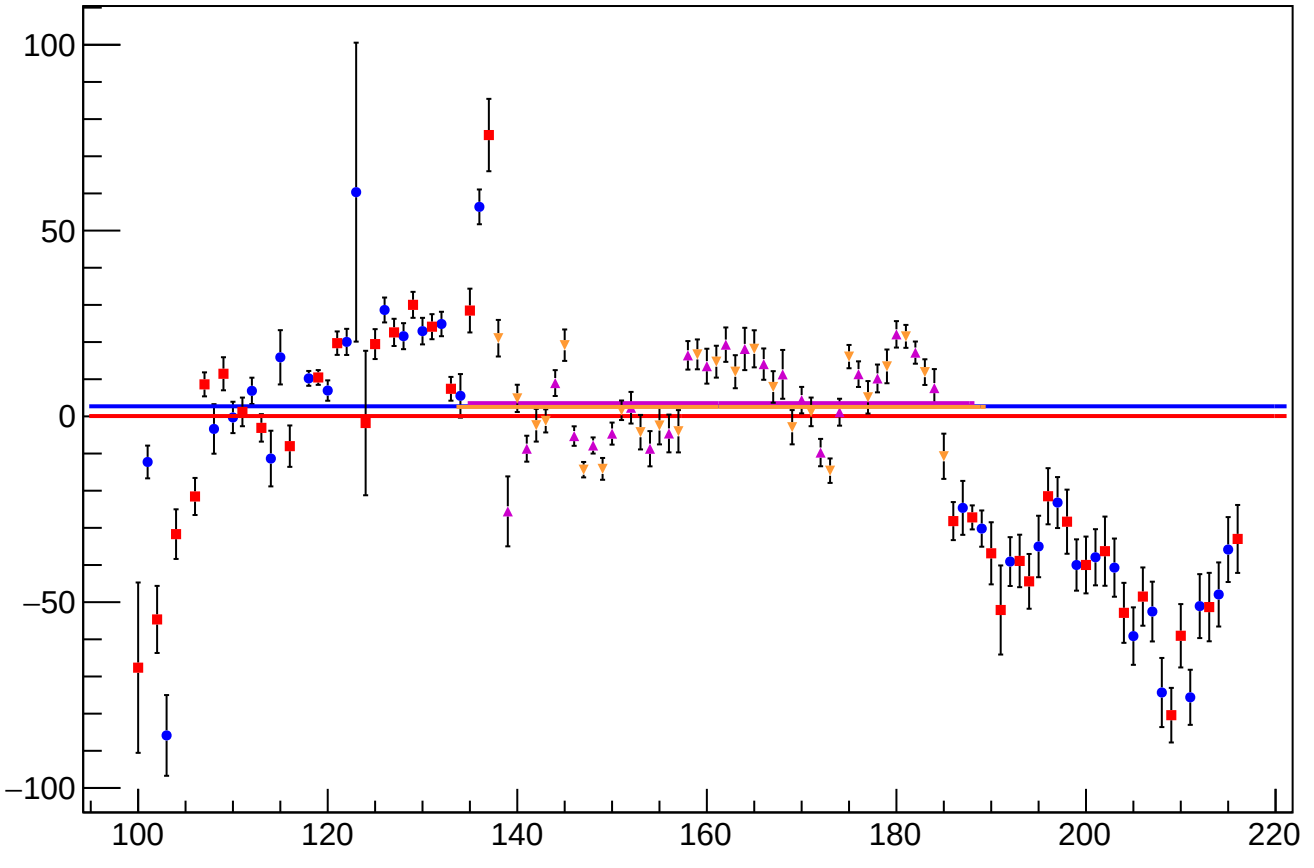
Left: 202.077+/-0.690 χ^2/NDF: 7044.1/47

Right: 235.559+/-0.902 χ^2/NDF: 3471.2/30

In: 215.532+/-0.791 χ^2/NDF:3902.0/37

Out: 213.442+/-0.760 χ^2/NDF:7478.7/40

All: 214.446+/-0.548 χ^2/NDF: 11384.3/78



Right In: 2.712+/-0.841 χ^2/NDF: 1045.9/31

Left Out: 2.548+/-0.741 χ^2/NDF:275.4/24

Right Out: 0.088+/-0.807 χ^2/NDF: 1005.9/34

Left In: 3.559+/-0.774 χ^2/NDF:192.0/22

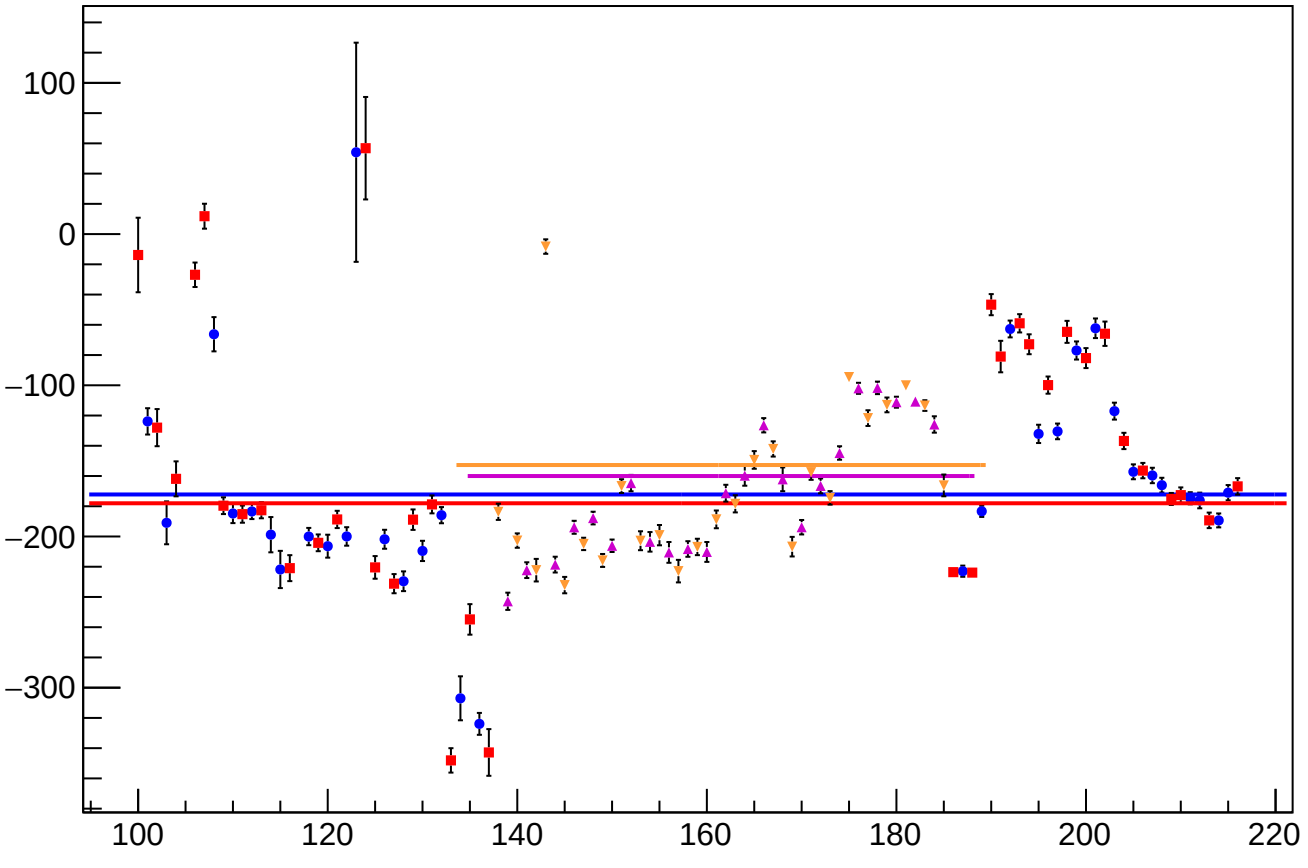
Left: 3.031+/-0.535 χ^2/NDF: 468.3/47

Right: 1.345+/-0.582 χ^2/NDF: 2056.9/66

In: 3.171+/-0.570 χ^2/NDF:1238.5/54

Out: 1.422+/-0.546 χ^2/NDF:1286.4/59

All: 2.259+/-0.394 χ^2/NDF: 2529.7/114



Right In: -172.210+/-1.030 χ^2/NDF: 2248.3/31

Left Out: -152.738+/-0.967 χ^2/NDF:3077.8/24

Right Out: -178.033+/-0.933 χ^2/NDF: 4589.1/34

Left In: -160.021+/-0.989 χ^2/NDF:2024.4/22

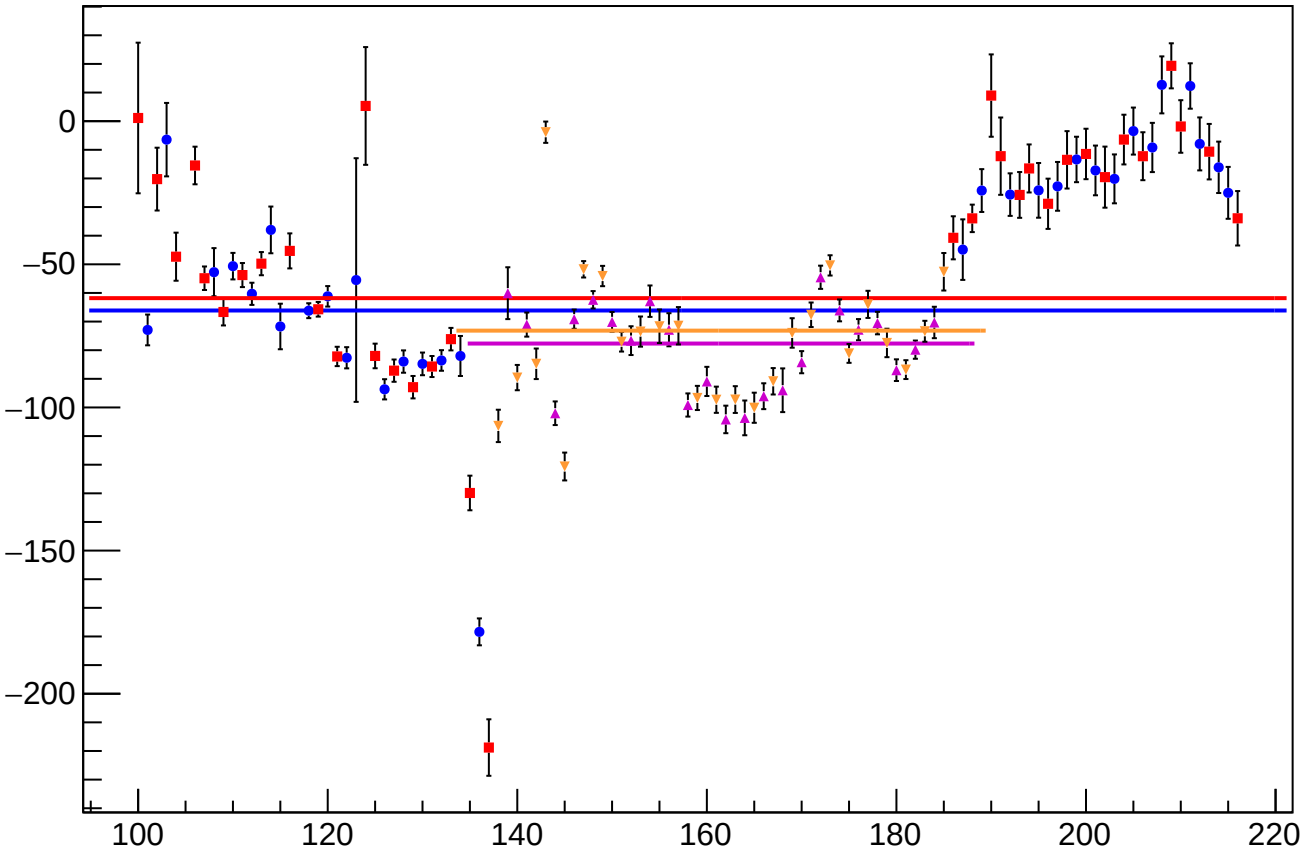
Left: -156.299+/-0.691 χ^2/NDF: 5129.9/47

Right: -175.410+/-0.691 χ^2/NDF: 6854.9/66

In: -165.866+/-0.713 χ^2/NDF:4345.5/54

Out: -165.840+/-0.671 χ^2/NDF:8021.4/59

All: -165.852+/-0.489 χ^2/NDF: 12366.9/114



Right In: -66.132+/-0.974 χ^2/NDF: 1345.4/31

Left Out: -73.165+/-0.851 χ^2/NDF:788.6/24

Right Out: -61.818+/-0.943 χ^2/NDF: 1184.5/34

Left In: -77.678+/-0.883 χ^2/NDF:248.3/22

Left: -75.339+/-0.613 χ^2/NDF: 1050.4/47

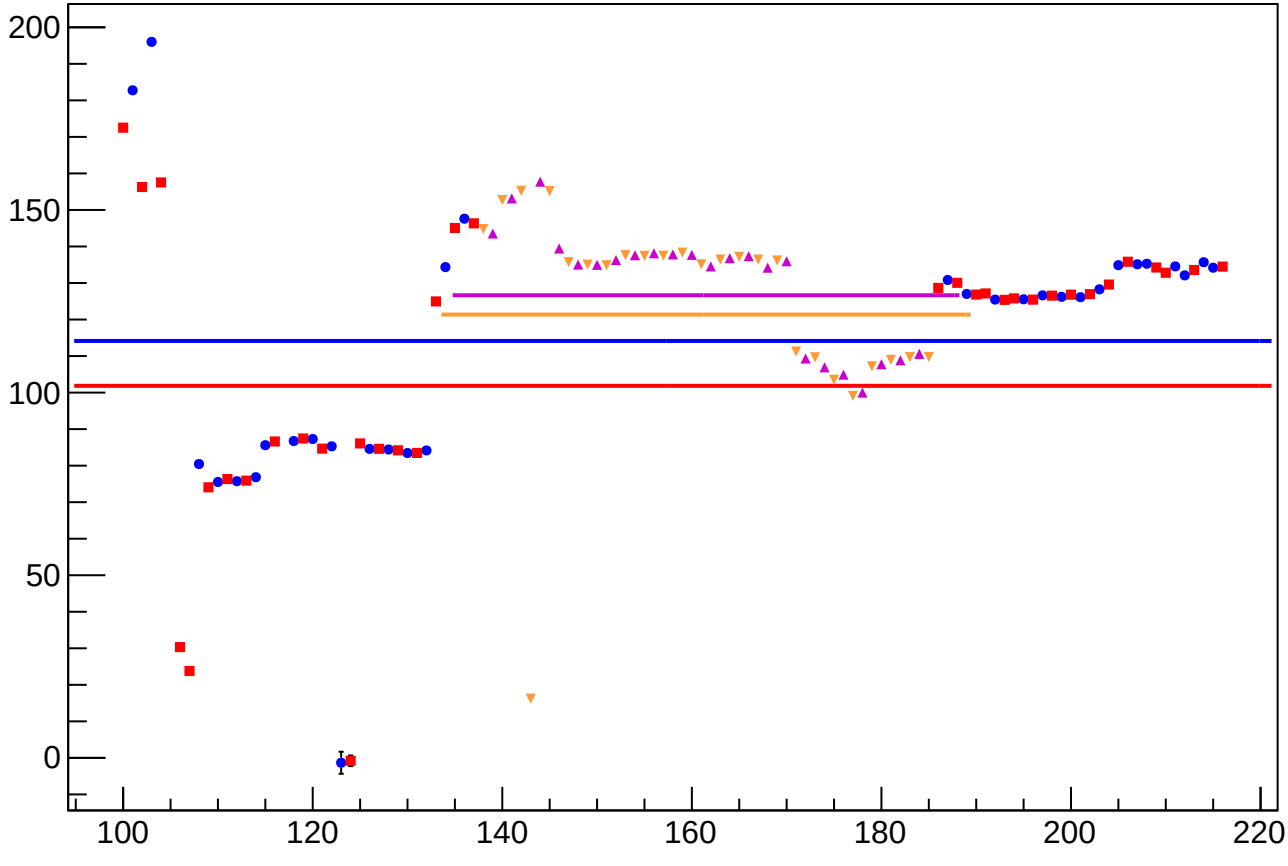
Right: -63.906+/-0.678 χ^2/NDF: 2540.0/66

In: -72.470+/-0.654 χ^2/NDF:1670.8/54

Out: -68.072+/-0.632 χ^2/NDF:2052.8/59

All: -70.196+/-0.454 χ^2/NDF: 3747.0/114

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 114.139+/-0.054 χ^2/NDF: 328174.8/31

Left Out: 121.356+/-0.040 χ^2/NDF:481977.3/24

Right Out: 101.854+/-0.050 χ^2/NDF: 603349.4/34

Left In: 126.653+/-0.041 χ^2/NDF:163046.1/22

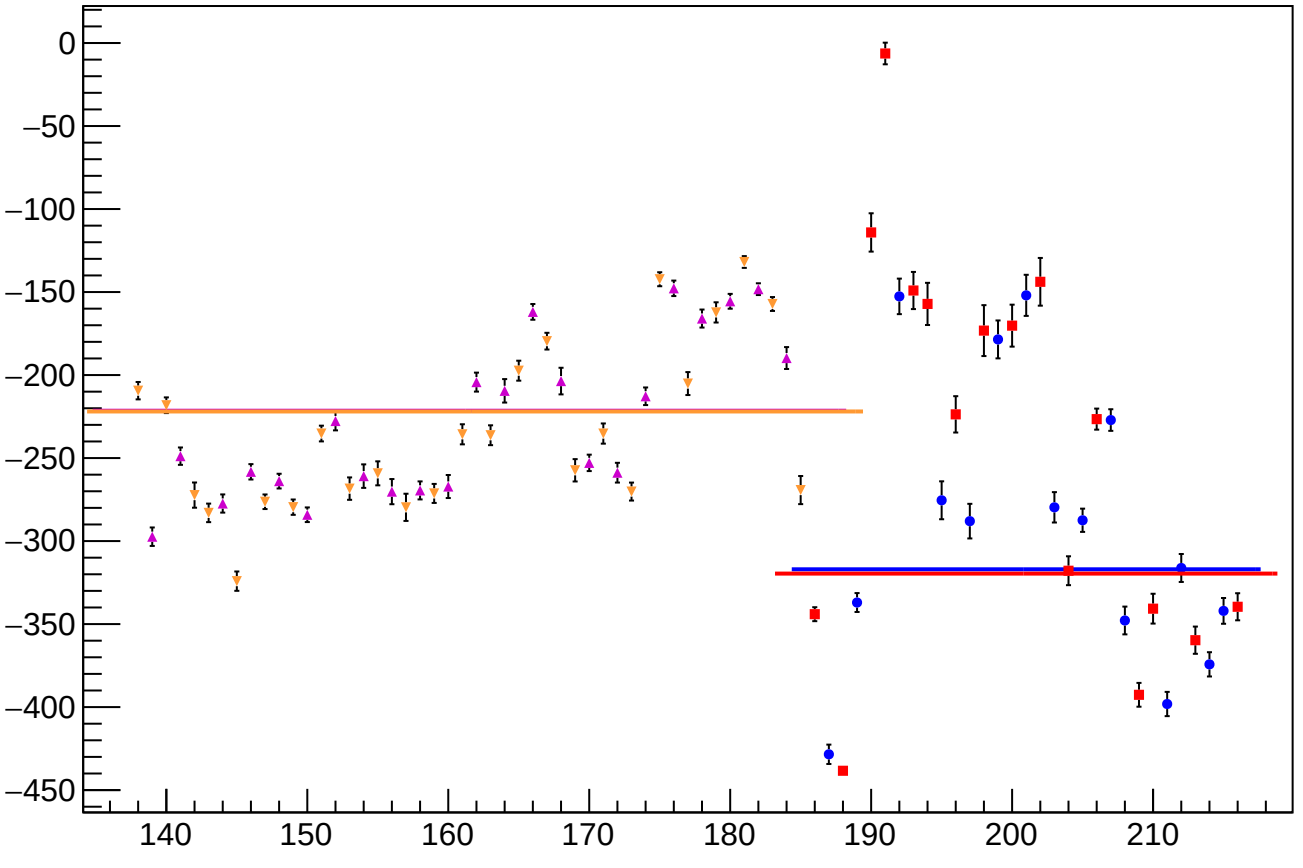
Left: 123.954+/-0.029 χ^2/NDF: 653496.6/47

Right: 107.506+/-0.037 χ^2/NDF: 959330.7/66

In: 122.081+/-0.033 χ^2/NDF:525128.9/54

Out: 113.670+/-0.031 χ^2/NDF:1177602.3/59

All: 117.698+/-0.023 χ^2/NDF: 1737159.0/114



Right In: -317.003+/-2.048 χ^2/NDF: 1393.3/14

Left Out: -221.934+/-1.084 χ^2/NDF:2578.4/24

Right Out: -319.586+/-1.731 χ^2/NDF: 5397.9/15

Left In: -221.483+/-1.102 χ^2/NDF:2149.8/22

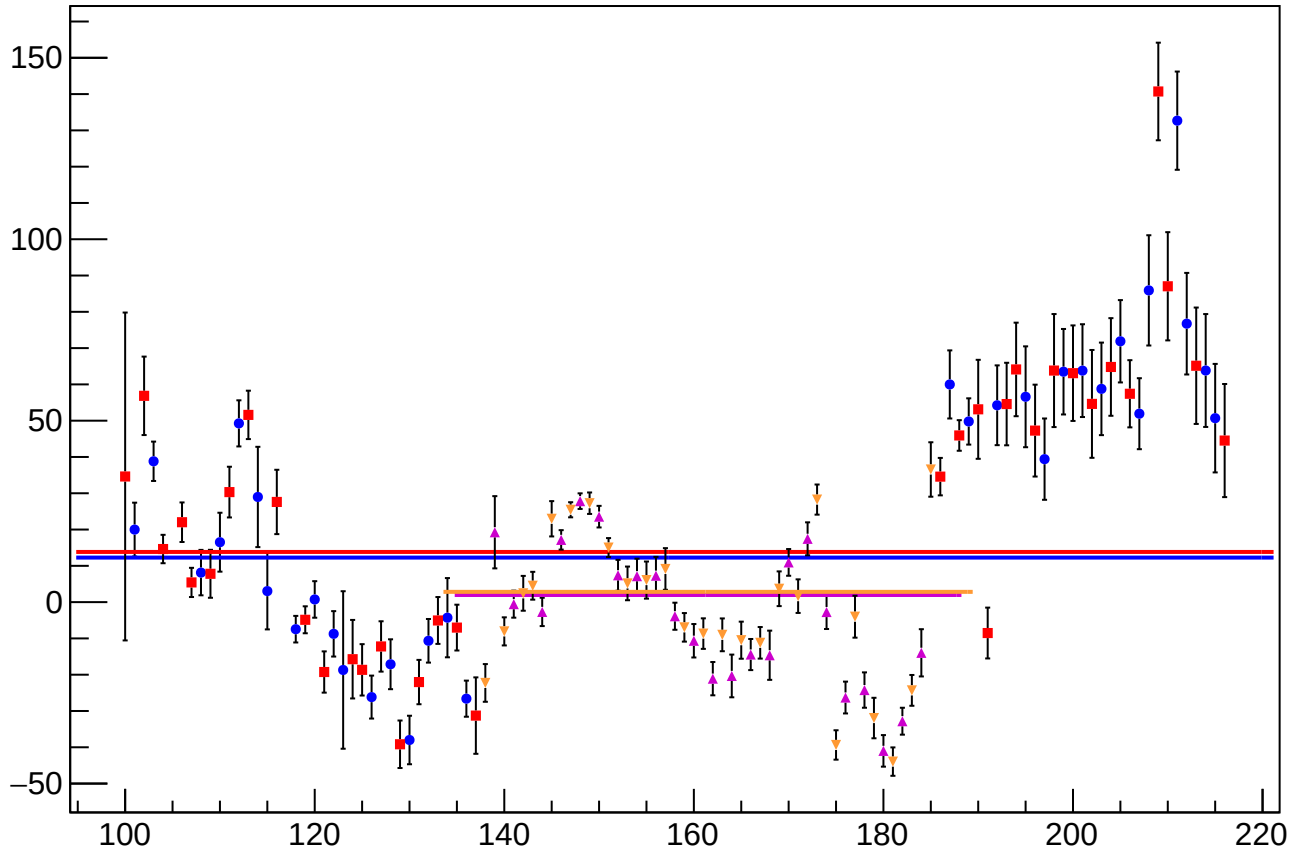
Left: -221.712+/-0.773 χ^2/NDF: 4728.2/47

Right: -318.509+/-1.322 χ^2/NDF: 6792.1/30

In: -242.941+/-0.971 χ^2/NDF:5230.2/37

Out: -249.458+/-0.919 χ^2/NDF:10261.9/40

All: -246.377+/-0.667 χ^2/NDF: 15515.8/78



Right In: 12.273+/-1.360 χ^2/NDF: 629.3/31

Left Out: 2.832+/-0.807 χ^2/NDF:686.9/24

Right Out: 13.828+/-1.196 χ^2/NDF: 626.5/34

Left In: 1.969+/-0.835 χ^2/NDF:589.1/22

Left: 2.415+/-0.580 χ^2/NDF: 1276.5/47

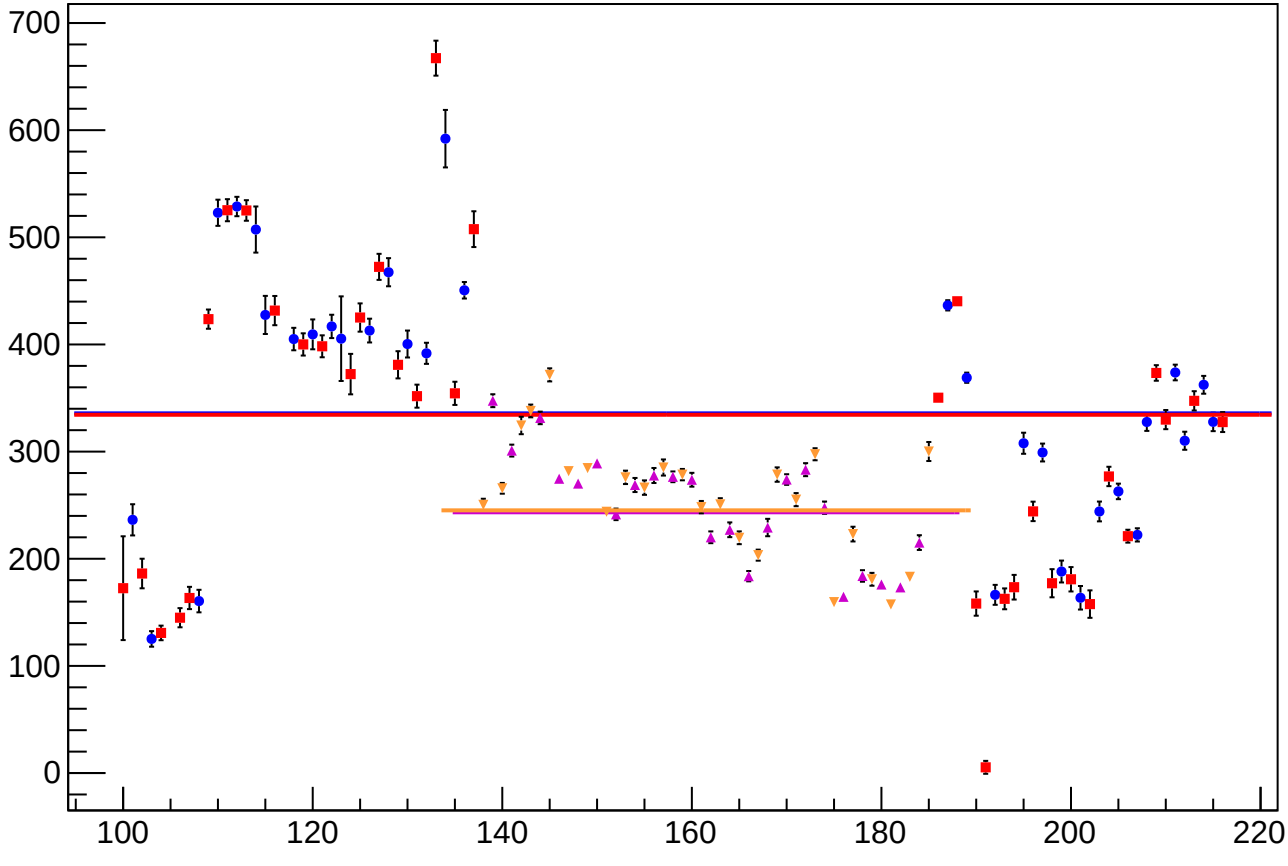
Right: 13.150+/-0.898 χ^2/NDF: 1256.5/66

In: 4.788+/-0.711 χ^2/NDF:1260.1/54

Out: 6.271+/-0.669 χ^2/NDF:1371.5/59

All: 5.575+/-0.487 χ^2/NDF: 2633.8/114

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 335.686+/-1.575 χ^2/NDF: 4485.5/31

Left Out: 245.179+/-1.082 χ^2/NDF:2597.4/24

Right Out: 334.400+/-1.303 χ^2/NDF: 10100.1/34

Left In: 243.366+/-1.094 χ^2/NDF:2236.7/22

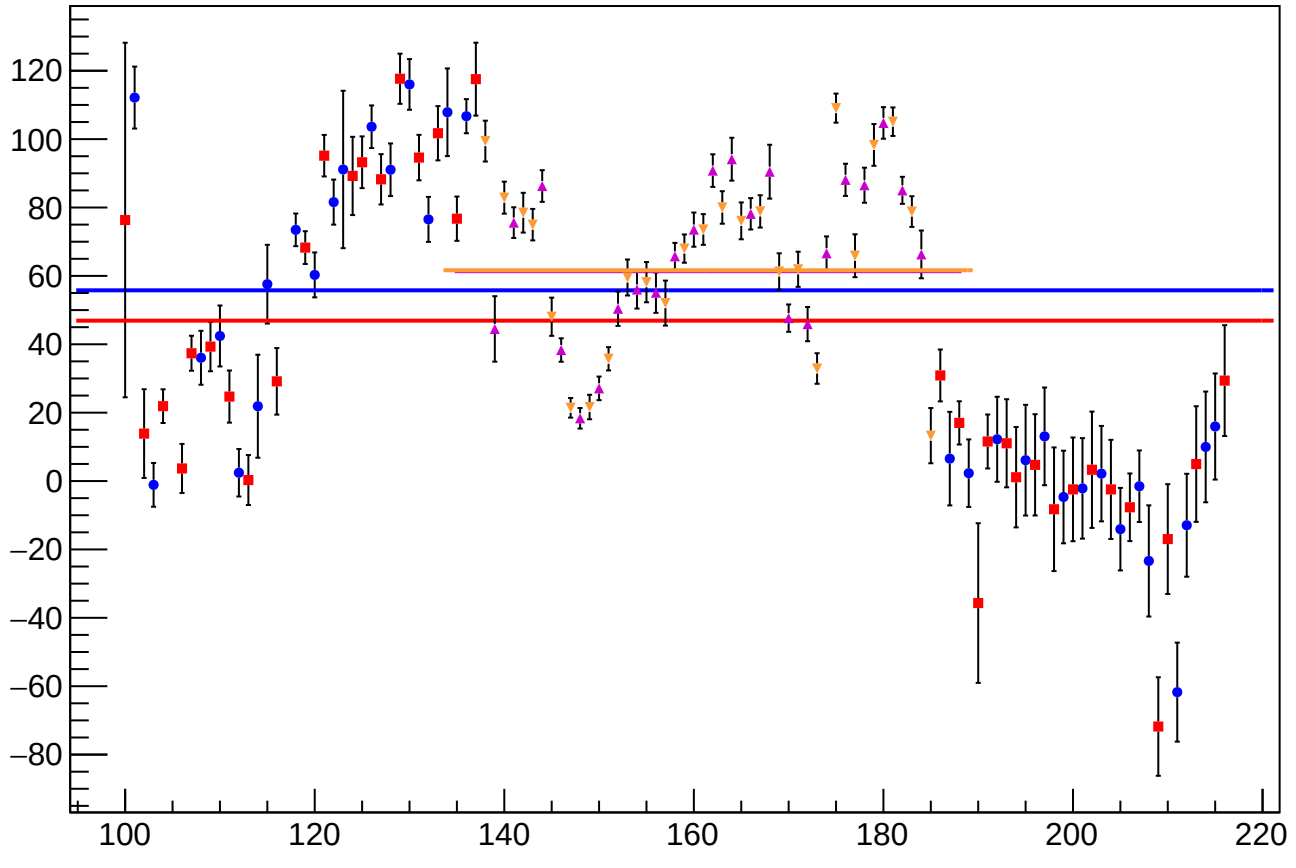
Left: 244.282+/-0.769 χ^2/NDF: 4835.5/47

Right: 334.923+/-1.004 χ^2/NDF: 14585.9/66

In: 273.391+/-0.898 χ^2/NDF:9039.7/54

Out: 281.599+/-0.832 χ^2/NDF:15472.9/59

All: 277.808+/-0.611 χ^2/NDF: 24557.6/114



Right In: 55.780+/-1.576 χ^2/NDF: 809.9/31

Left Out: 61.647+/-0.936 χ^2/NDF:871.5/24

Right Out: 46.908+/-1.425 χ^2/NDF: 793.5/34

Left In: 61.375+/-0.961 χ^2/NDF:699.7/22

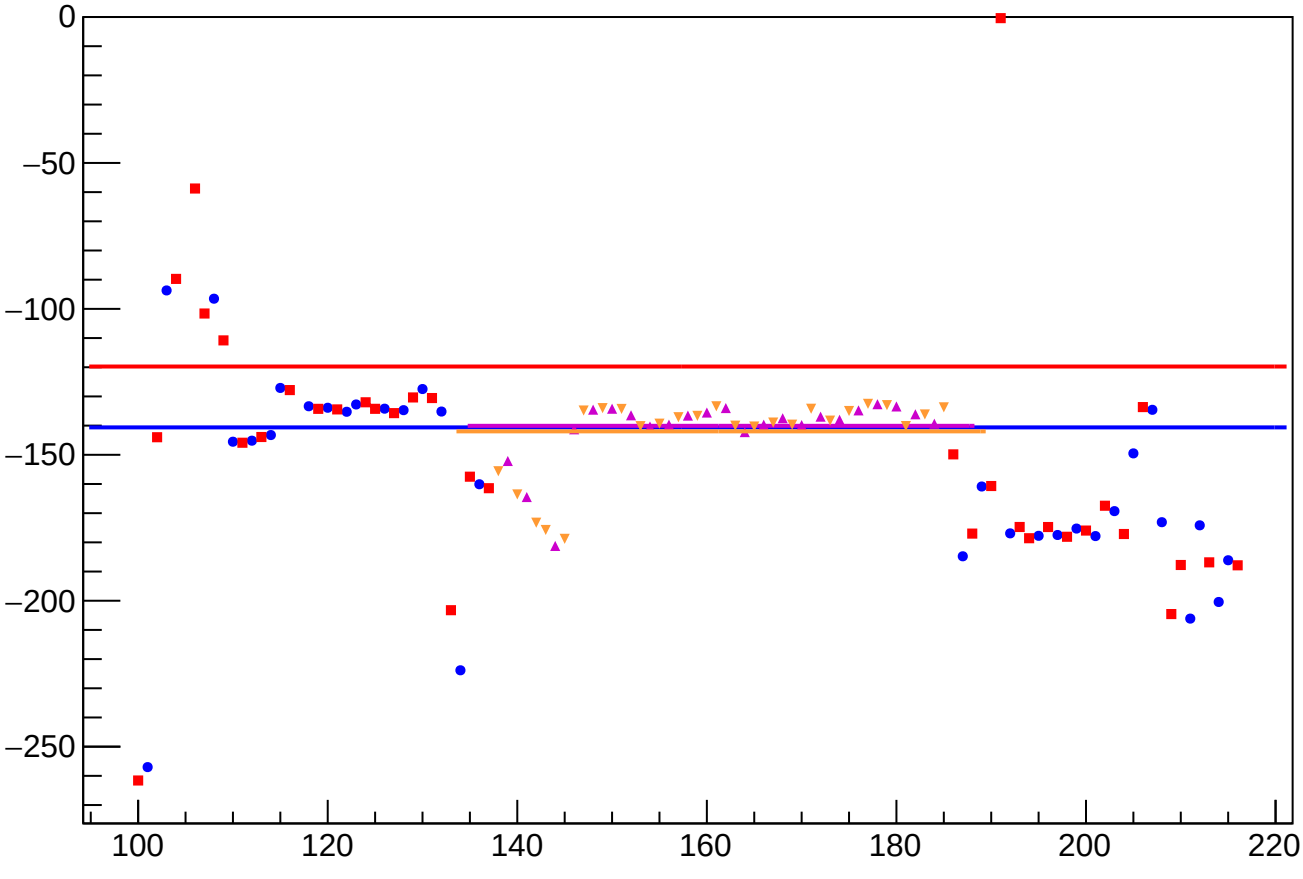
Left: 61.515+/-0.671 χ^2/NDF: 1571.3/47

Right: 50.902+/-1.057 χ^2/NDF: 1620.8/66

In: 59.858+/-0.820 χ^2/NDF:1518.8/54

Out: 57.205+/-0.783 χ^2/NDF:1739.7/59

All: 58.469+/-0.566 χ^2/NDF: 3264.0/114



Right In: -140.606+/-0.075 χ^2/NDF: 256192.8/31

Left Out: -141.969+/-0.045 χ^2/NDF:80252.6/24

Right Out: -119.752+/-0.066 χ^2/NDF: 646158.2/34

Left In: -140.068+/-0.045 χ^2/NDF:48030.7/22

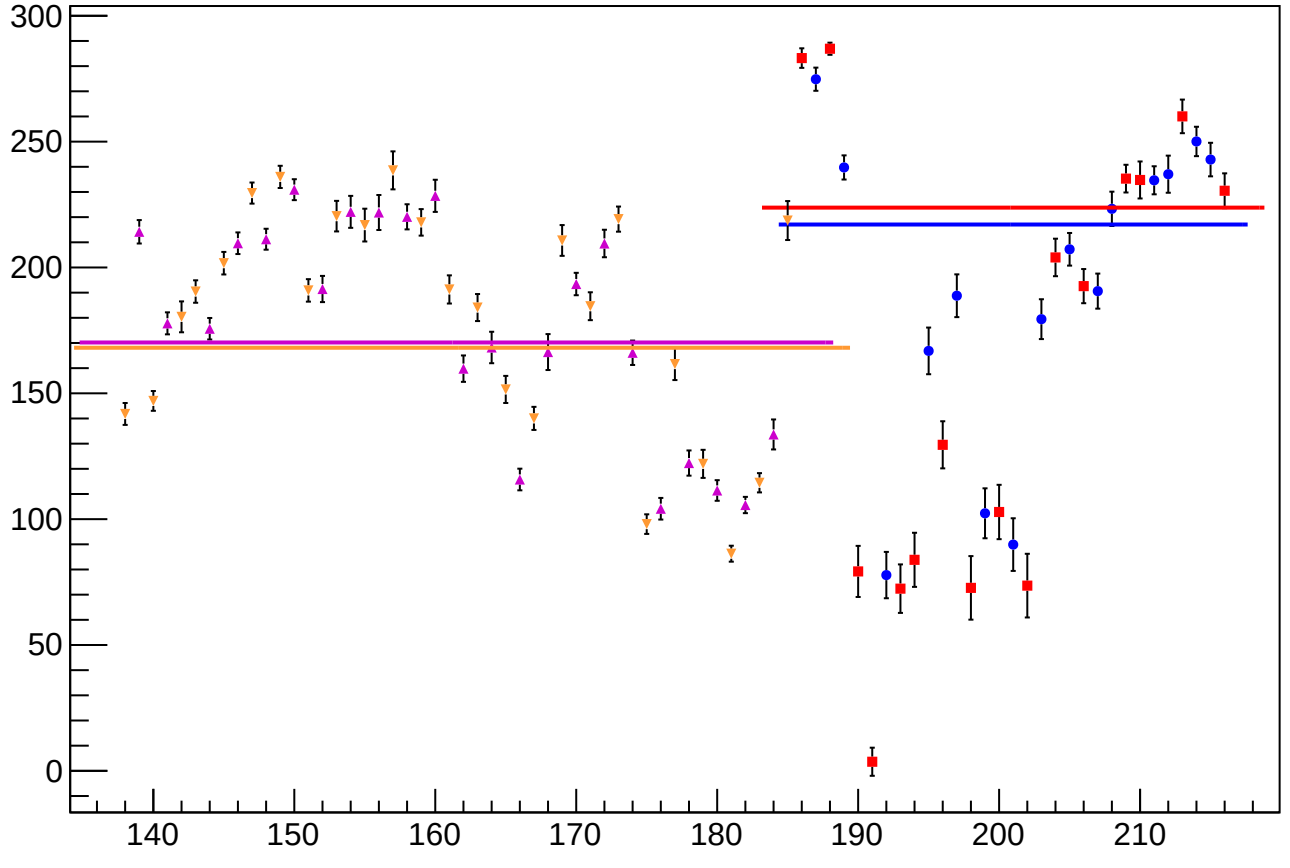
Left: -141.025+/-0.032 χ^2/NDF: 129181.1/47

Right: -128.989+/-0.050 χ^2/NDF: 945973.4/66

In: -140.212+/-0.039 χ^2/NDF:304261.6/54

Out: -135.048+/-0.037 χ^2/NDF:803364.7/59

All: -137.532+/-0.027 χ^2/NDF: 1116951.6/11



Right In: 217.070+/-1.737 χ^2/NDF: 834.9/14

Left Out: 168.106+/-0.970 χ^2/NDF:2468.8/24

Right Out: 223.781+/-1.464 χ^2/NDF: 3669.4/15

Left In: 170.198+/-0.995 χ^2/NDF:2024.5/22

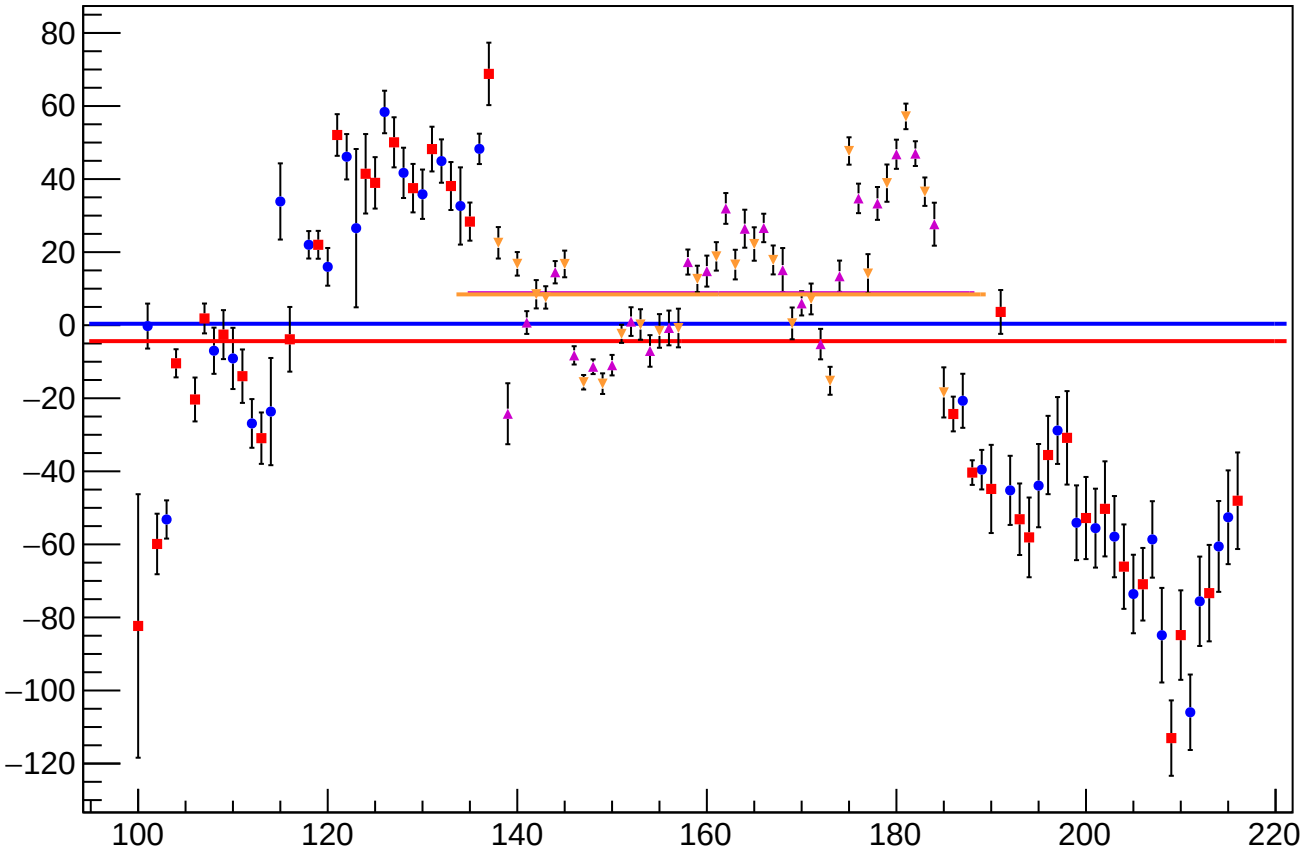
Left: 169.125+/-0.695 χ^2/NDF: 4495.5/47

Right: 220.994+/-1.119 χ^2/NDF: 4513.0/30

In: 181.786+/-0.864 χ^2/NDF:3407.6/37

Out: 185.097+/-0.809 χ^2/NDF:7143.1/40

All: 183.550+/-0.590 χ^2/NDF: 10558.5/78



Right In: 0.395+/-1.286 χ^2/NDF: 1098.1/31

Left Out: 8.436+/-0.728 χ^2/NDF:752.0/24

Right Out: -4.362+/-1.135 χ^2/NDF: 1112.9/34

Left In: 8.769+/-0.758 χ^2/NDF:626.8/22

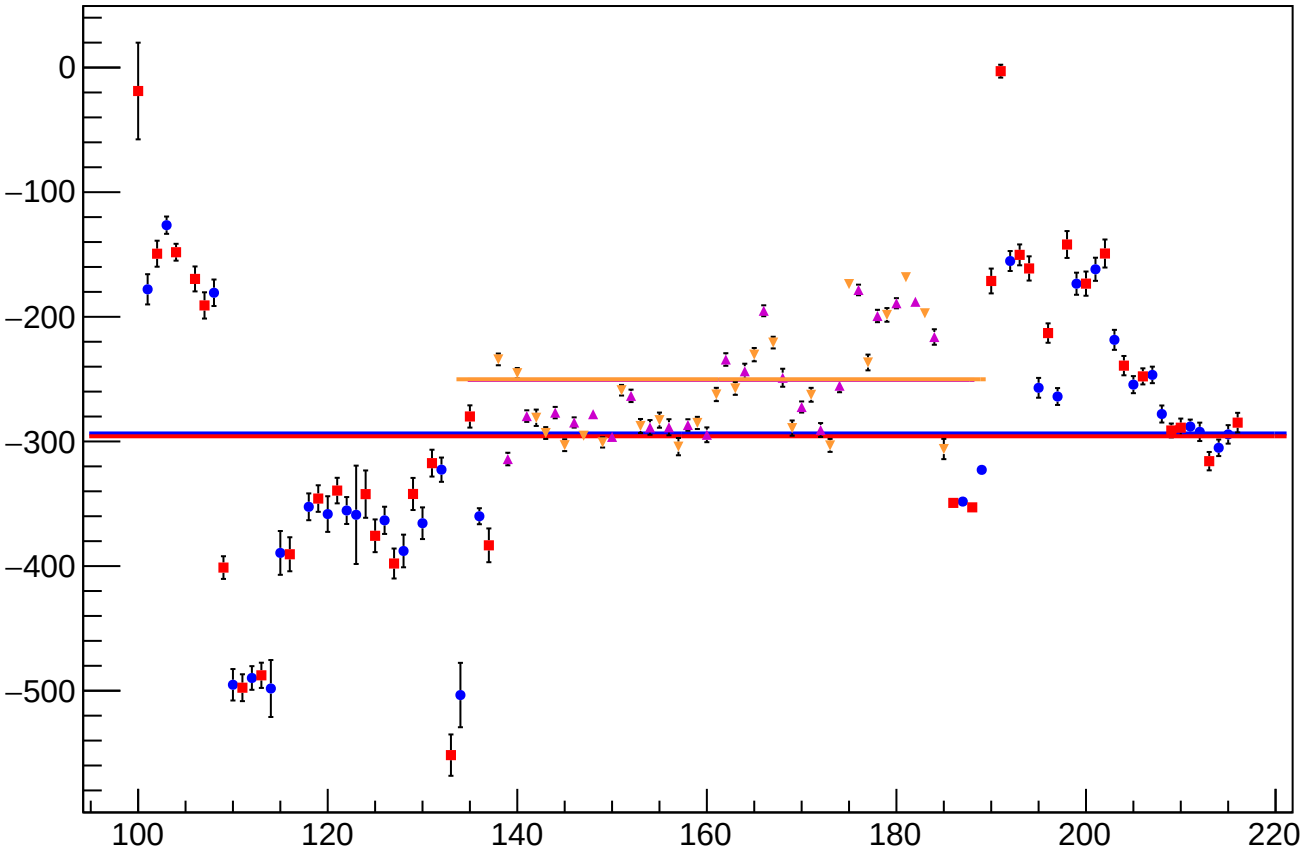
Left: 8.596+/-0.525 χ^2/NDF: 1379.0/47

Right: -2.279+/-0.851 χ^2/NDF: 2218.7/66

In: 6.609+/-0.653 χ^2/NDF:1756.4/54

Out: 4.706+/-0.613 χ^2/NDF:1955.0/59

All: 5.597+/-0.447 χ^2/NDF: 3715.9/114



Right In: -293.588+/-1.385 χ^2/NDF: 3135.1/31

Left Out: -250.119+/-0.972 χ^2/NDF:2246.9/24

Right Out: -295.855+/-1.140 χ^2/NDF: 8120.8/34

Left In: -250.628+/-0.990 χ^2/NDF:1937.1/22

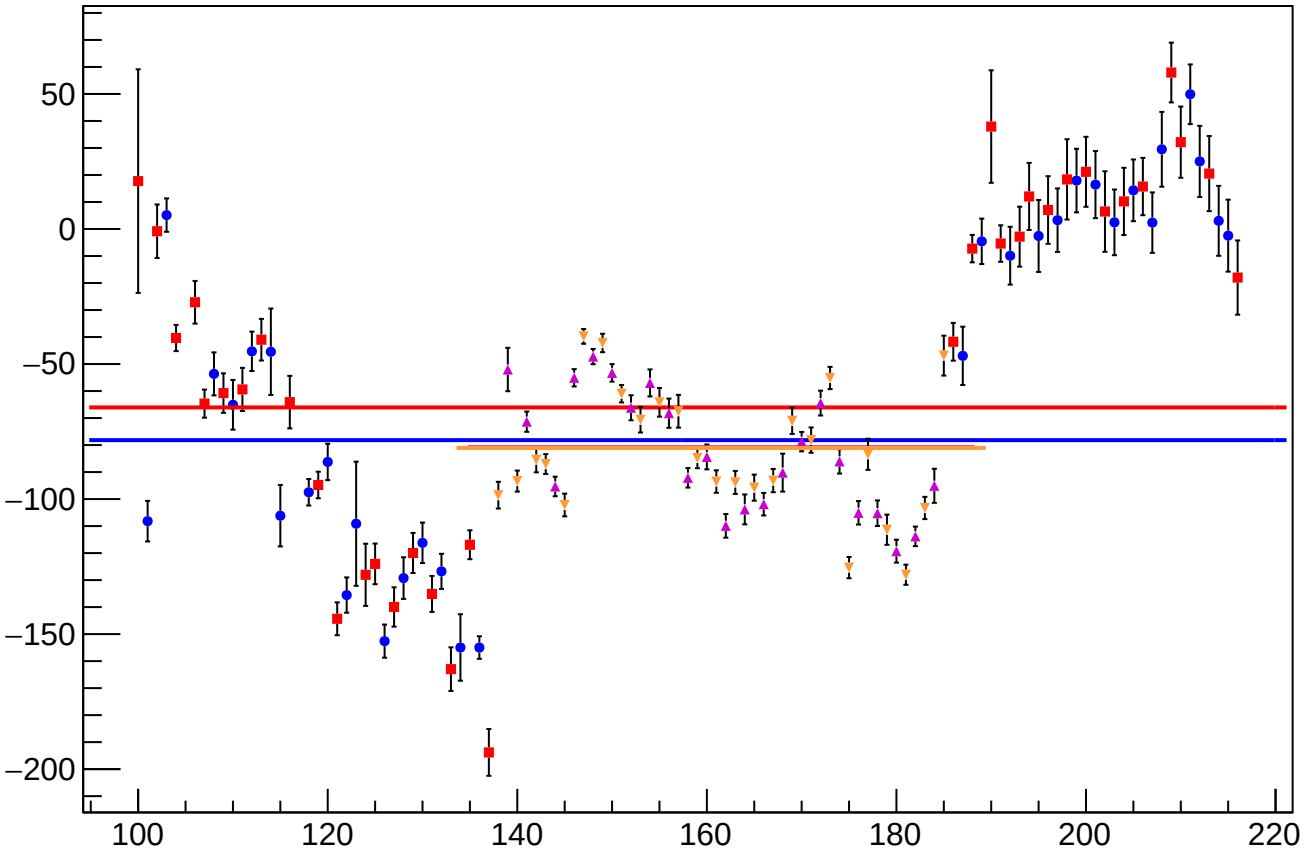
Left: -250.369+/-0.694 χ^2/NDF: 4184.2/47

Right: -294.940+/-0.880 χ^2/NDF: 11257.4/66

In: -265.169+/-0.806 χ^2/NDF:5709.1/54

Out: -269.385+/-0.740 χ^2/NDF:11299.8/59

All: -267.456+/-0.545 χ^2/NDF: 17023.7/114



Right In: -78.176+/-1.489 χ^2/NDF: 1806.0/31

Left Out: -81.057+/-0.843 χ^2/NDF:913.0/24

Right Out: -66.066+/-1.356 χ^2/NDF: 1902.3/34

Left In: -80.834+/-0.872 χ^2/NDF:693.1/22

Left: -80.949+/-0.606 χ^2/NDF: 1606.2/47

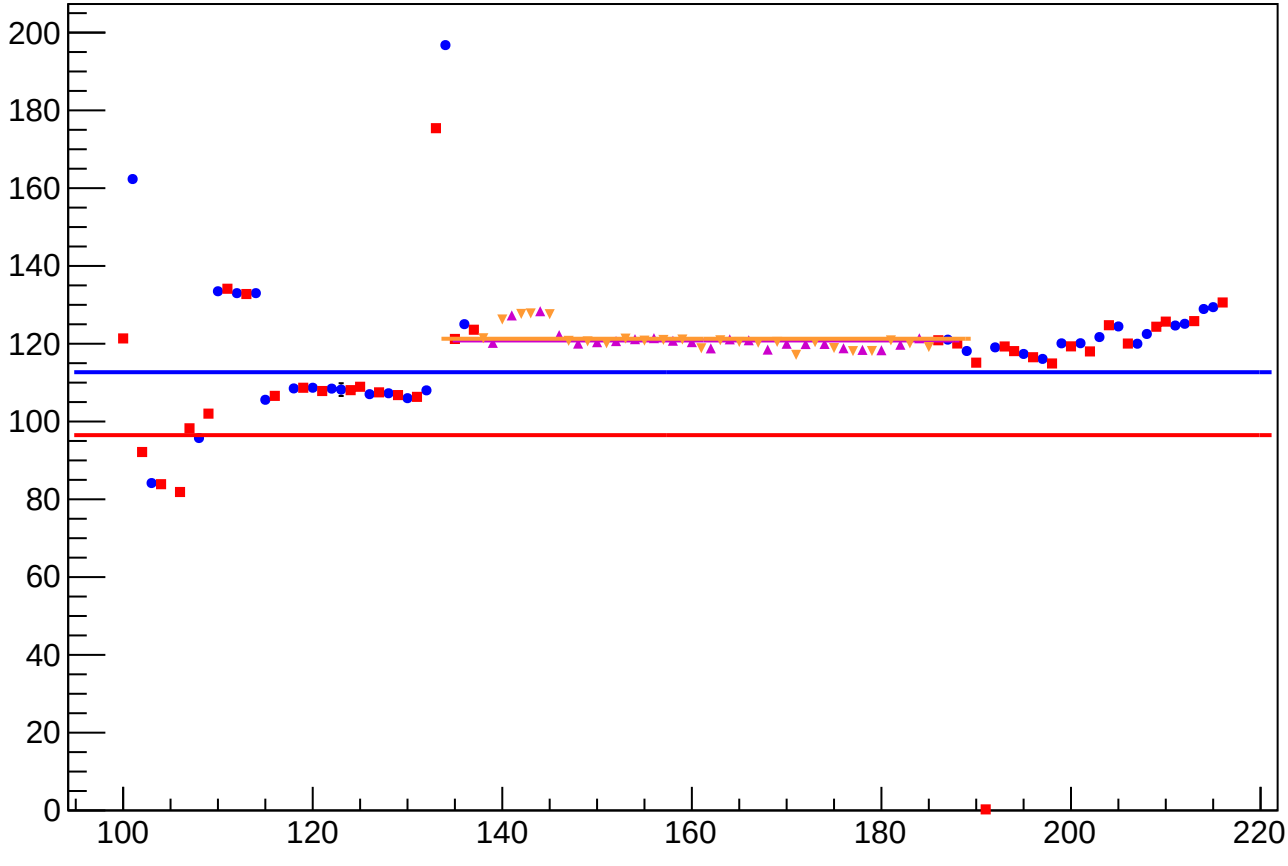
Right: -71.557+/-1.003 χ^2/NDF: 3744.4/66

In: -80.155+/-0.752 χ^2/NDF:2501.5/54

Out: -76.879+/-0.716 χ^2/NDF:2903.5/59

All: -78.436+/-0.519 χ^2/NDF: 5414.9/114

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 112.681+/-0.069 χ^2/NDF: 81126.4/31

Left Out: 121.283+/-0.040 χ^2/NDF:4939.3/24

Right Out: 96.498+/-0.061 χ^2/NDF: 372794.2/34

Left In: 120.843+/-0.041 χ^2/NDF:3368.2/22

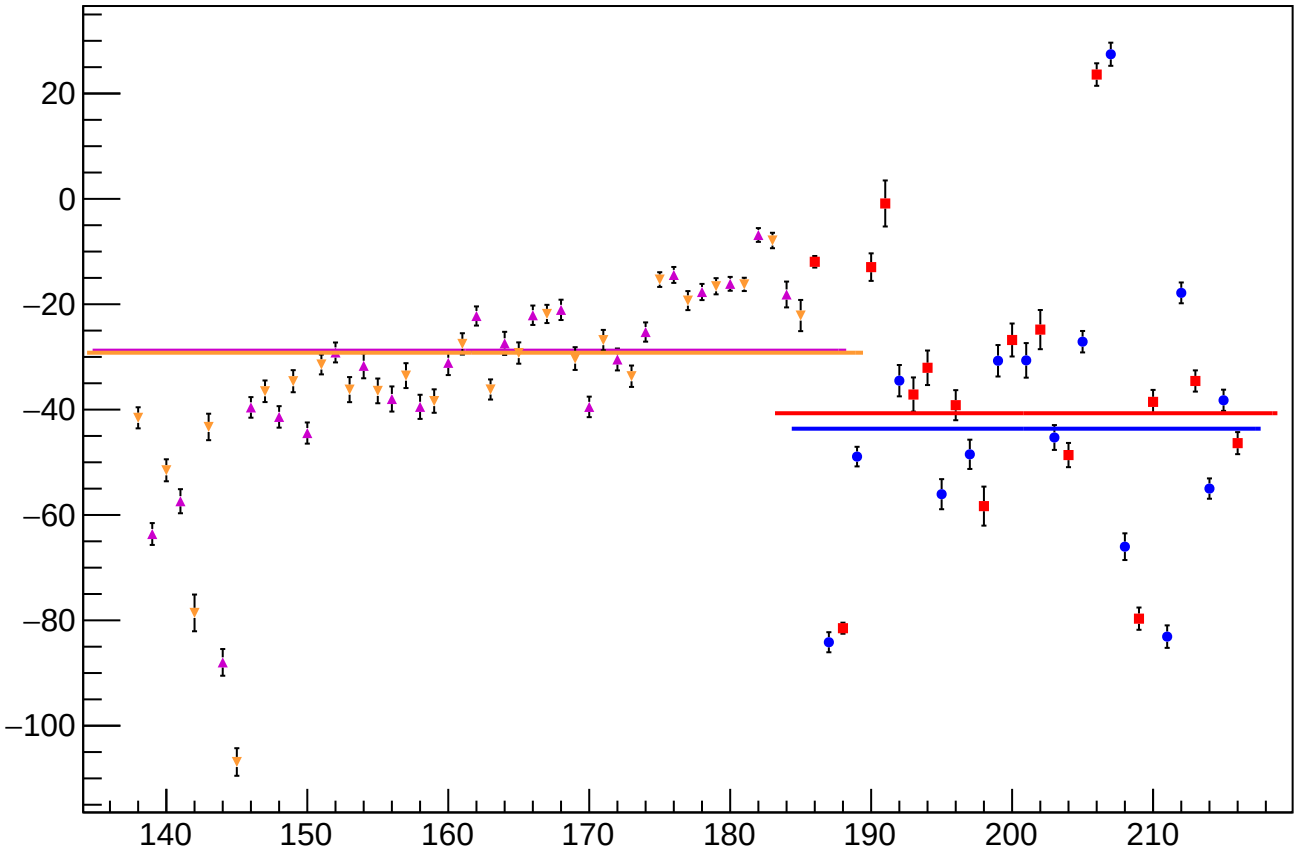
Left: 121.066+/-0.029 χ^2/NDF: 8366.9/47

Right: 103.656+/-0.046 χ^2/NDF: 484791.4/66

In: 118.727+/-0.035 χ^2/NDF:94925.1/54

Out: 113.847+/-0.034 χ^2/NDF:492330.4/59

All: 116.182+/-0.024 χ^2/NDF: 597376.7/114



Right In: -43.624+/-0.586 χ^2/NDF: 2271.1/14

Left Out: -29.199+/-0.389 χ^2/NDF:1881.5/24

Right Out: -40.688+/-0.513 χ^2/NDF: 3736.9/15

Left In: -28.810+/-0.395 χ^2/NDF:1763.8/22

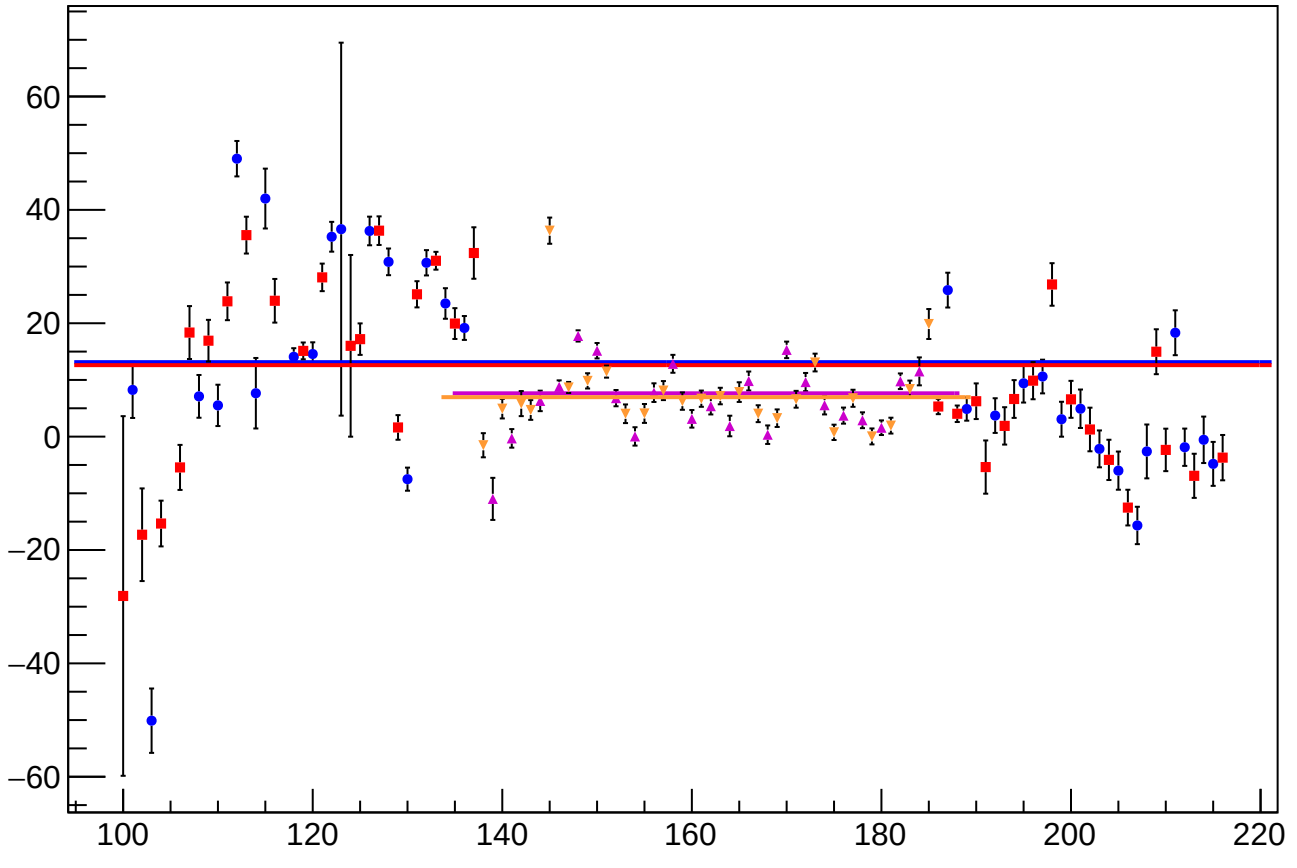
Left: -29.008+/-0.277 χ^2/NDF: 3645.8/47

Right: -41.962+/-0.386 χ^2/NDF: 6022.2/30

In: -33.441+/-0.328 χ^2/NDF:4473.9/37

Out: -33.384+/-0.310 χ^2/NDF:5936.8/40

All: -33.411+/-0.225 χ^2/NDF: 10410.8/78



Right In: 13.136+/-0.514 χ^2/NDF: 952.5/31

Left Out: 6.960+/-0.303 χ^2/NDF:321.3/24

Right Out: 12.609+/-0.469 χ^2/NDF: 777.4/34

Left In: 7.638+/-0.313 χ^2/NDF:337.7/22

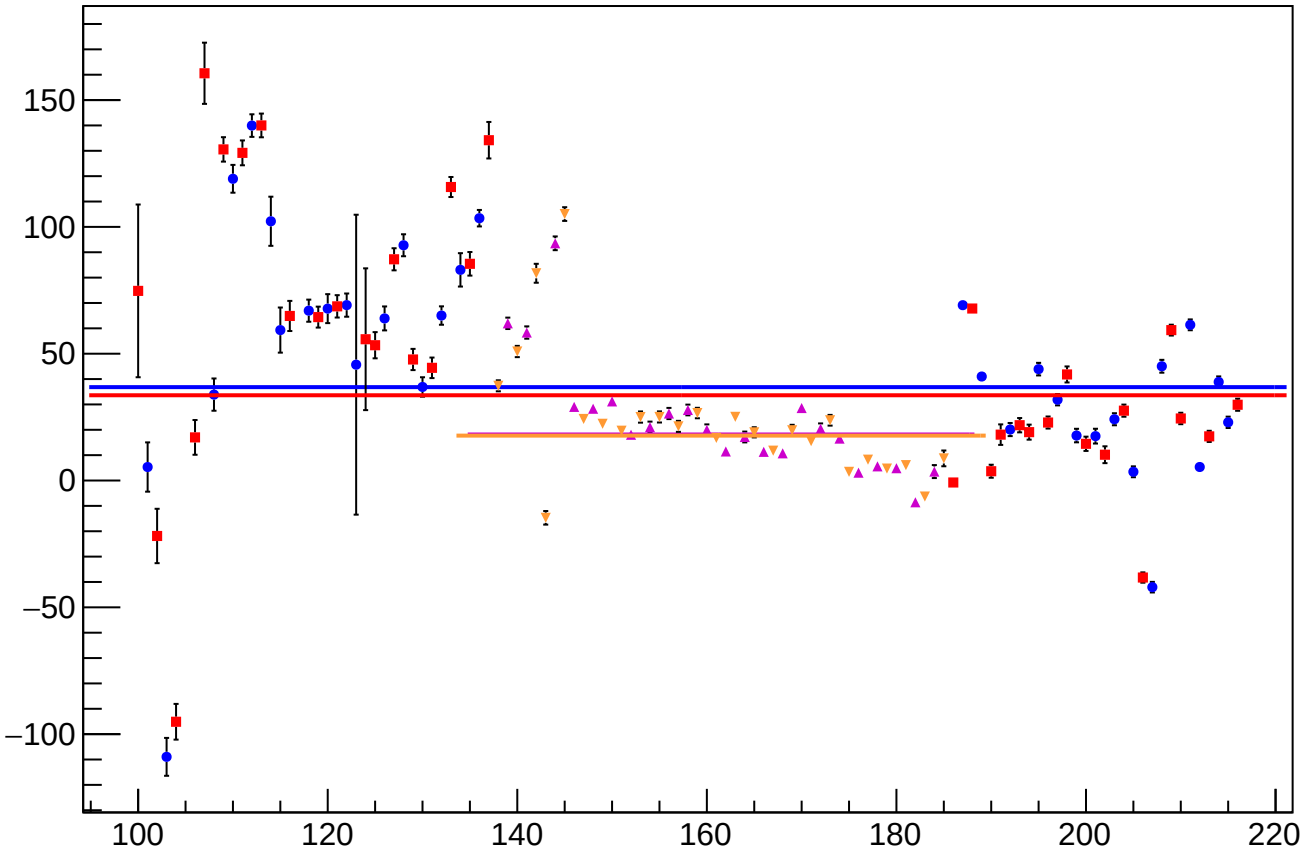
Left: 7.287+/-0.218 χ^2/NDF: 661.5/47

Right: 12.848+/-0.347 χ^2/NDF: 1730.5/66

In: 9.127+/-0.268 χ^2/NDF:1373.5/54

Out: 8.621+/-0.255 χ^2/NDF:1200.9/59

All: 8.861+/-0.184 χ^2/NDF: 2576.3/114



Right In: 36.820+/-0.507 χ^2/NDF: 4774.3/31

Left Out: 17.705+/-0.387 χ^2/NDF:2432.2/24

Right Out: 33.615+/-0.425 χ^2/NDF: 7827.9/34

Left In: 18.150+/-0.393 χ^2/NDF:2339.4/22

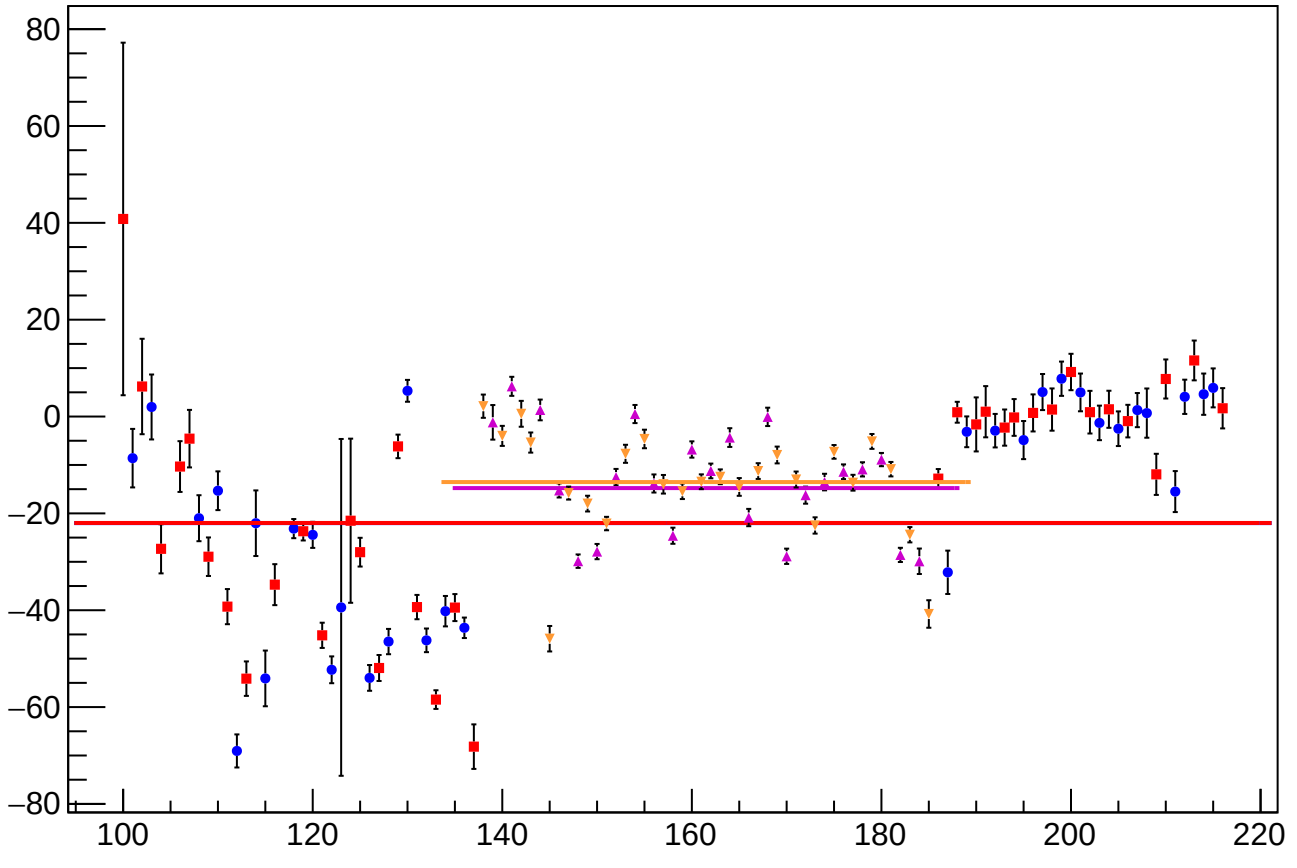
Left: 17.924+/-0.276 χ^2/NDF: 4772.2/47

Right: 34.940+/-0.326 χ^2/NDF: 12625.6/66

In: 25.151+/-0.310 χ^2/NDF:7961.7/54

Out: 24.914+/-0.286 χ^2/NDF:11024.9/59

All: 25.022+/-0.210 χ^2/NDF: 18987.0/114



Right In: -22.007+/-0.594 χ^2/NDF: 1509.8/31

Left Out: -13.531+/-0.344 χ^2/NDF:572.8/24

Right Out: -21.979+/-0.563 χ^2/NDF: 1562.4/34

Left In: -14.778+/-0.354 χ^2/NDF:838.0/22

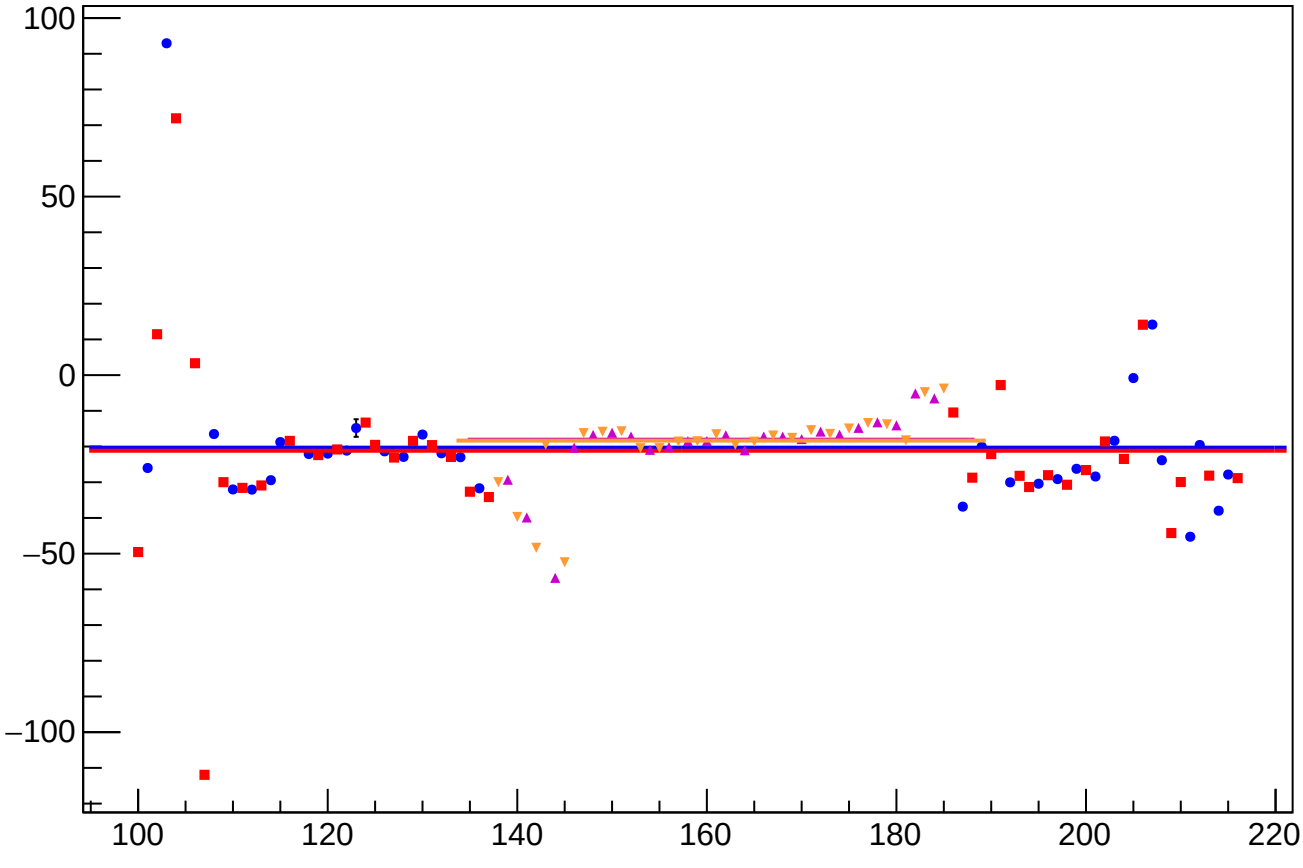
Left: -14.136+/-0.247 χ^2/NDF: 1417.2/47

Right: -21.992+/-0.409 χ^2/NDF: 3072.2/66

In: -16.676+/-0.304 χ^2/NDF:2457.2/54

Out: -15.827+/-0.294 χ^2/NDF:2299.1/59

All: -16.236+/-0.211 χ^2/NDF: 4760.3/114



Right In: -20.316+/-0.028 χ^2/NDF: 619395.8/31

Left Out: -18.334+/-0.016 χ^2/NDF:284152.1/24

Right Out: -21.177+/-0.027 χ^2/NDF: 580429.8/34

Left In: -18.083+/-0.016 χ^2/NDF:241949.5/22

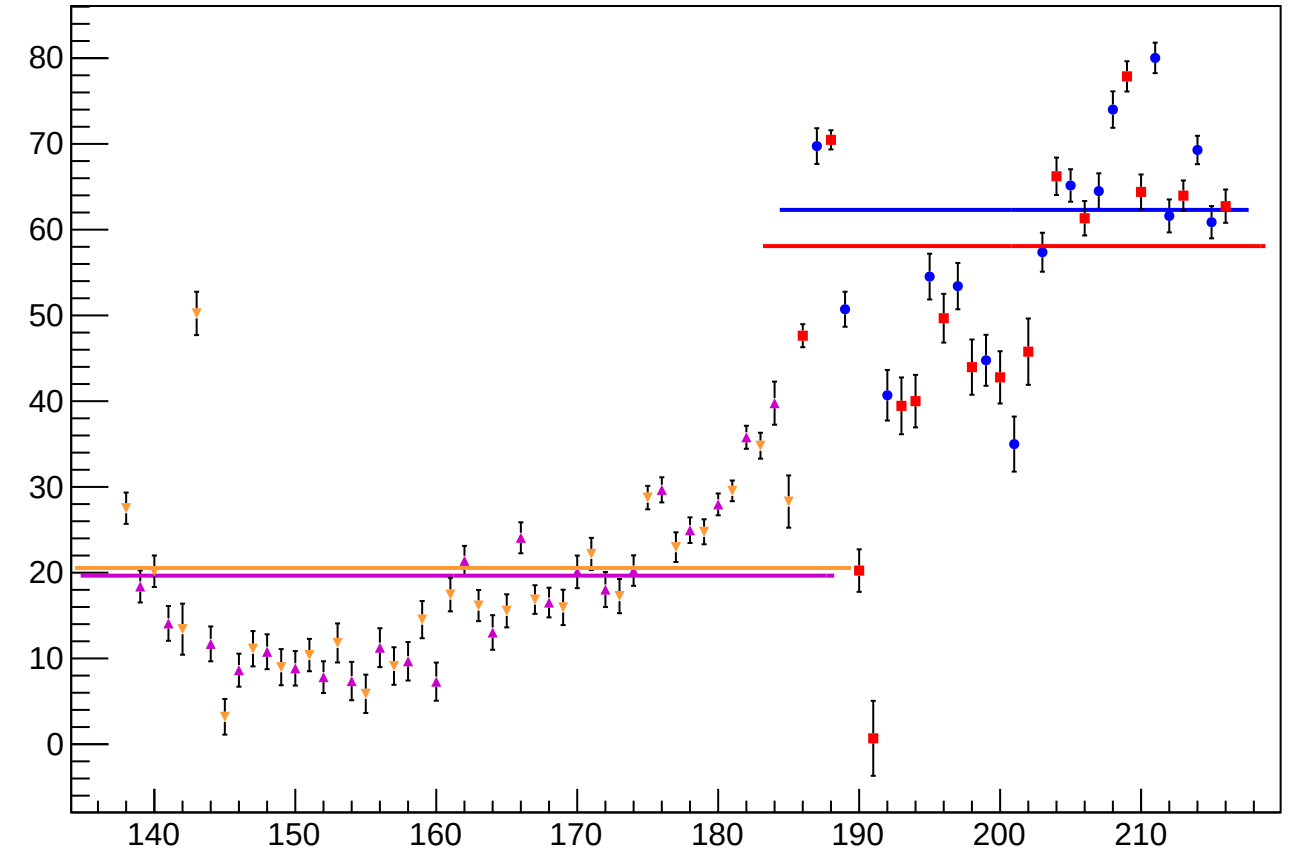
Left: -18.211+/-0.011 χ^2/NDF: 526224.9/47

Right: -20.762+/-0.020 χ^2/NDF: 1200303.1/66

In: -18.626+/-0.014 χ^2/NDF:866029.7/54

Out: -19.048+/-0.014 χ^2/NDF:872665.9/59

All: -18.841+/-0.010 χ^2/NDF: 1739158.3/114



Right In: 62.307+/-0.556 χ^2/NDF: 381.5/14

Left Out: 20.550+/-0.373 χ^2/NDF:626.4/24

Right Out: 58.084+/-0.515 χ^2/NDF: 887.5/15

Left In: 19.656+/-0.380 χ^2/NDF:571.8/22

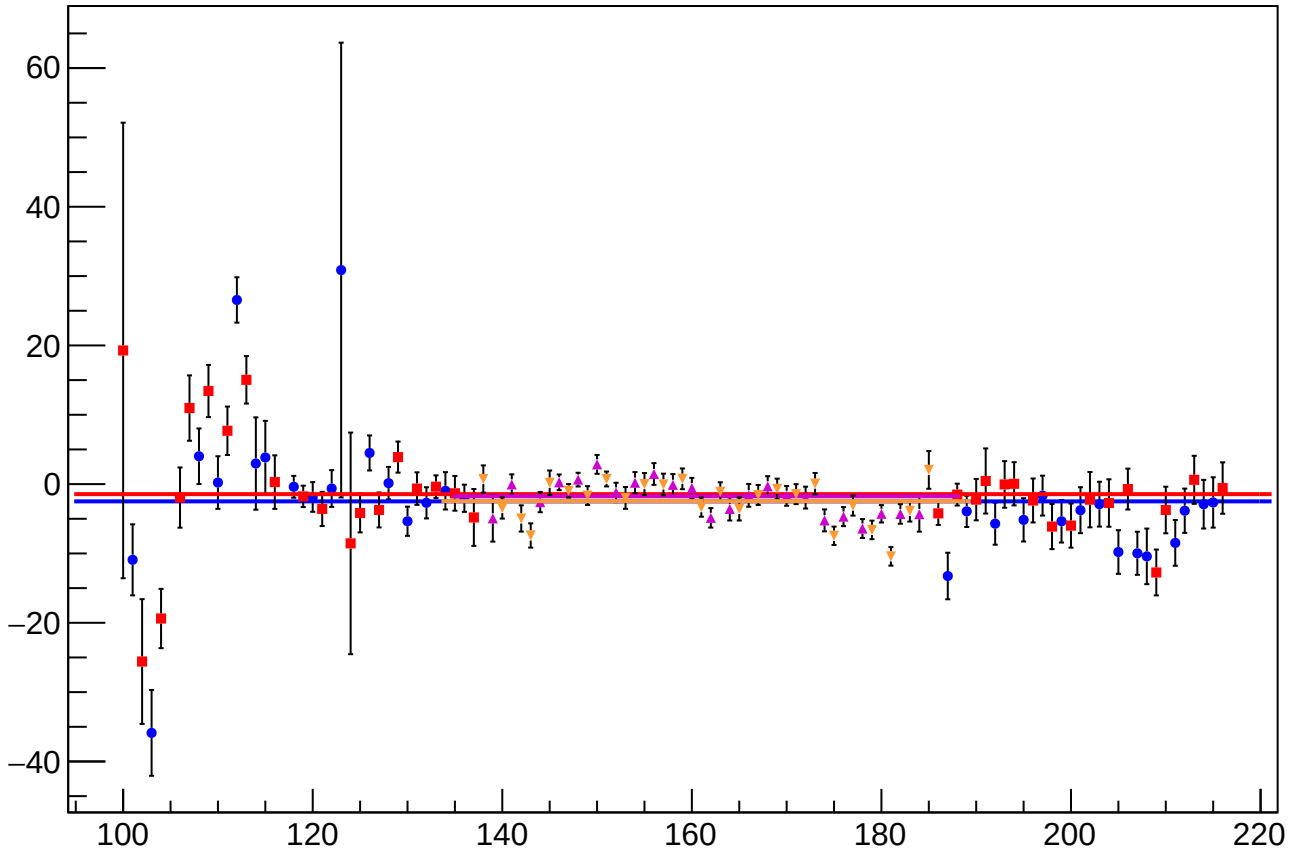
Left: 20.112+/-0.266 χ^2/NDF: 1201.0/47

Right: 60.035+/-0.378 χ^2/NDF: 1300.0/30

In: 33.259+/-0.314 χ^2/NDF:4962.7/37

Out: 33.465+/-0.302 χ^2/NDF:4996.8/40

All: 33.366+/-0.218 χ^2/NDF: 9959.8/78



Right In: -2.489+/-0.513 χ^2/NDF: 162.6/31

Left Out: -2.455+/-0.292 χ^2/NDF:106.0/24

Right Out: -1.449+/-0.481 χ^2/NDF: 108.0/34

Left In: -1.758+/-0.302 χ^2/NDF:67.4/22

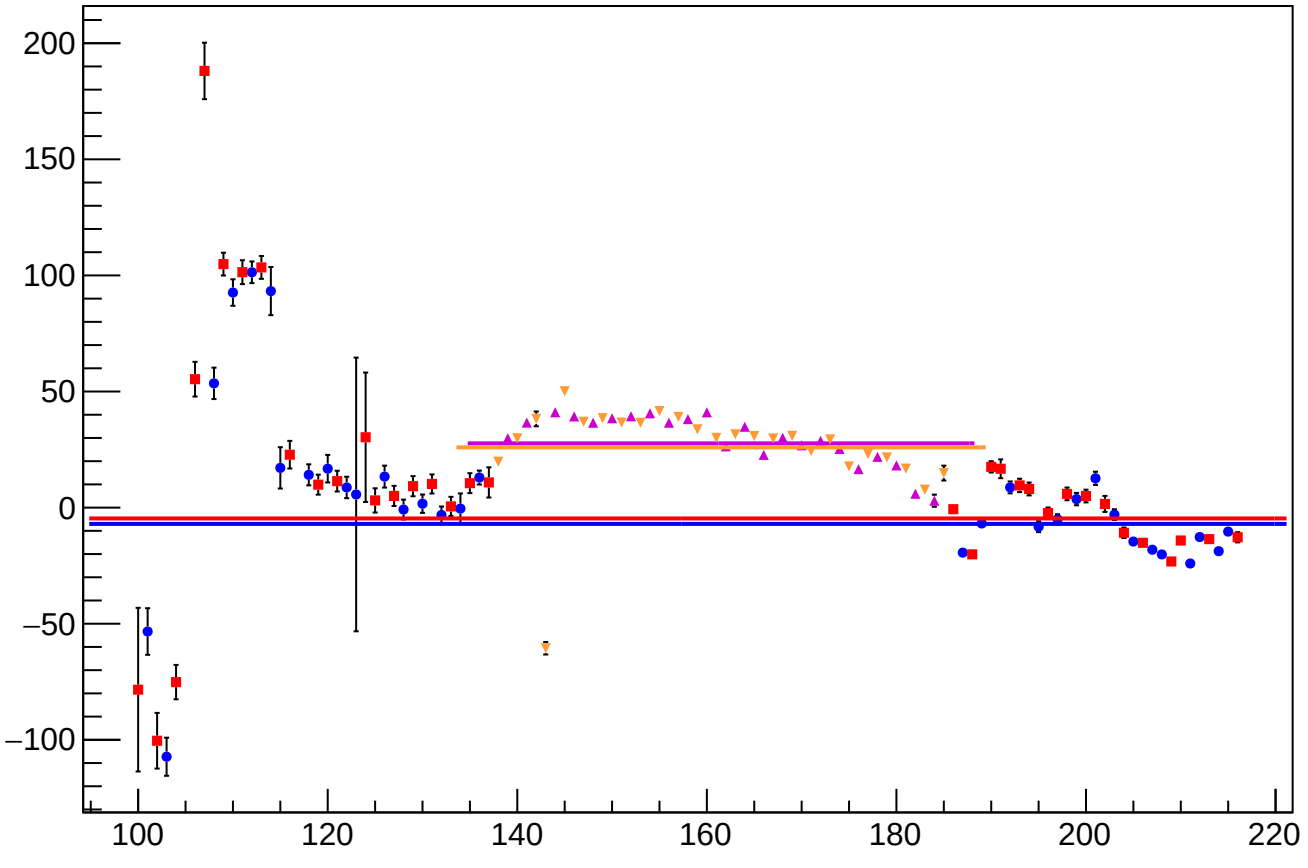
Left: -2.118+/-0.210 χ^2/NDF: 176.1/47

Right: -1.935+/-0.351 χ^2/NDF: 272.8/66

In: -1.946+/-0.260 χ^2/NDF:231.6/54

Out: -2.183+/-0.250 χ^2/NDF:217.1/59

All: -2.070+/-0.180 χ^2/NDF: 449.2/114



Right In: -7.011+/-0.492 χ^2/NDF: 1701.2/31

Left Out: 25.938+/-0.372 χ^2/NDF:1711.6/24

Right Out: -4.663+/-0.437 χ^2/NDF: 2675.4/34

Left In: 27.677+/-0.378 χ^2/NDF:803.9/22

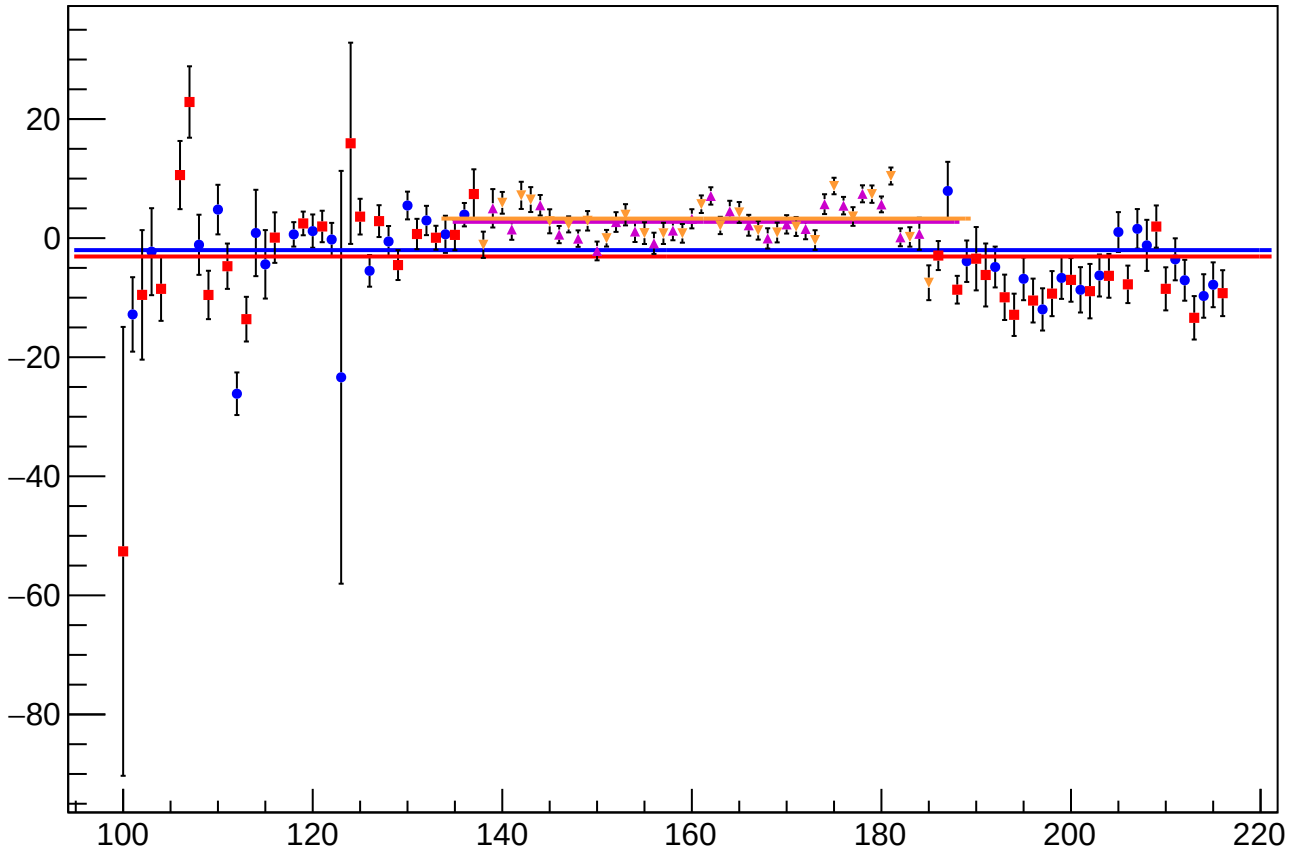
Left: 26.794+/-0.265 χ^2/NDF: 2526.2/47

Right: -5.698+/-0.327 χ^2/NDF: 4389.3/66

In: 14.793+/-0.300 χ^2/NDF:5629.2/54

Out: 13.061+/-0.283 χ^2/NDF:7229.4/59

All: 13.878+/-0.206 χ^2/NDF: 12876.2/114



Right In: -2.013+/-0.587 χ^2/NDF: 113.9/31

Left Out: 3.283+/-0.331 χ^2/NDF:102.3/24

Right Out: -3.084+/-0.569 χ^2/NDF: 118.9/34

Left In: 2.738+/-0.341 χ^2/NDF:64.5/22

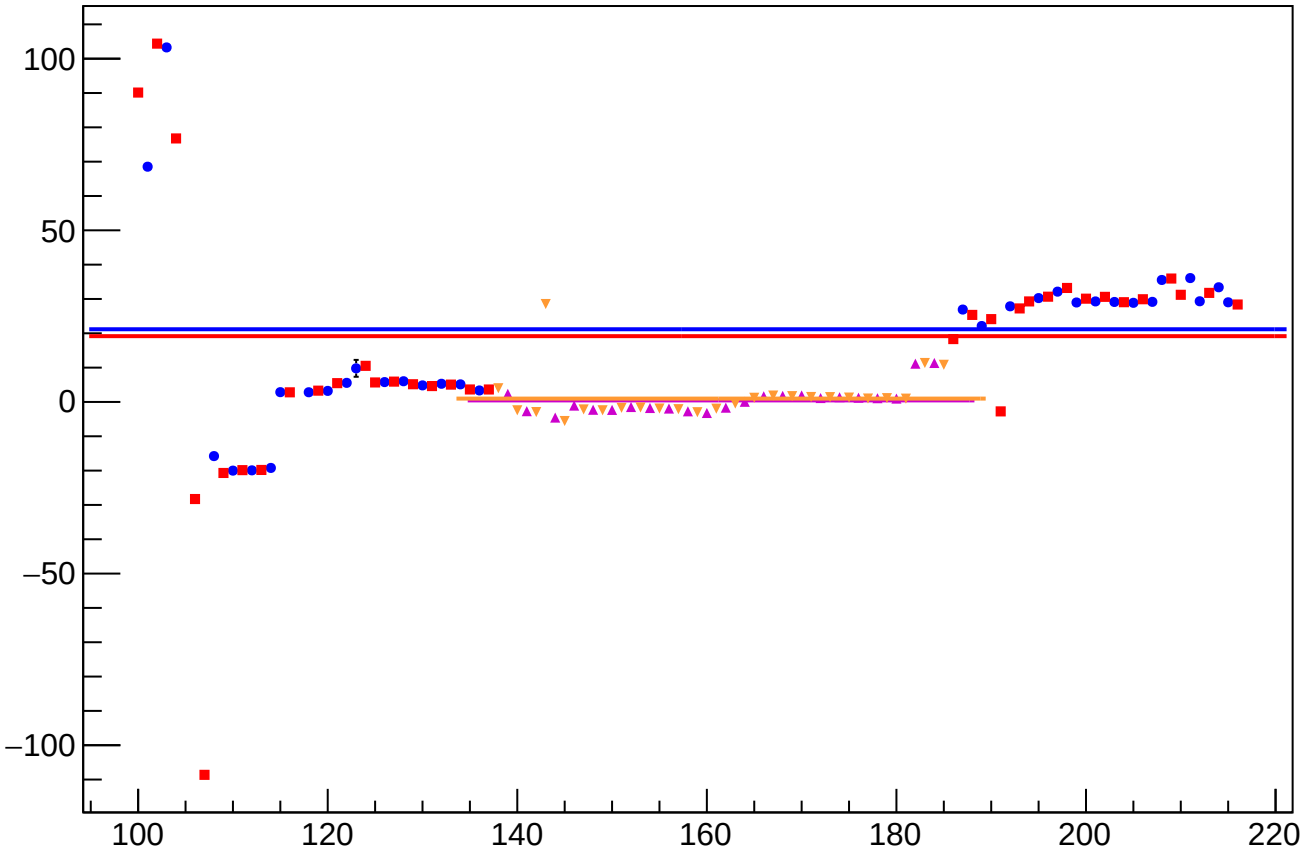
Left: 3.018+/-0.238 χ^2/NDF: 168.1/47

Right: -2.565+/-0.408 χ^2/NDF: 234.4/66

In: 1.538+/-0.295 χ^2/NDF:227.3/54

Out: 1.670+/-0.286 χ^2/NDF:314.6/59

All: 1.606+/-0.205 χ^2/NDF: 542.1/114



Right In: 21.179+/-0.028 χ^2/NDF: 514070.7/31

Left Out: 0.979+/-0.015 χ^2/NDF:117391.3/24

Right Out: 19.168+/-0.027 χ^2/NDF: 747137.7/34

Left In: 0.451+/-0.015 χ^2/NDF:50699.8/22

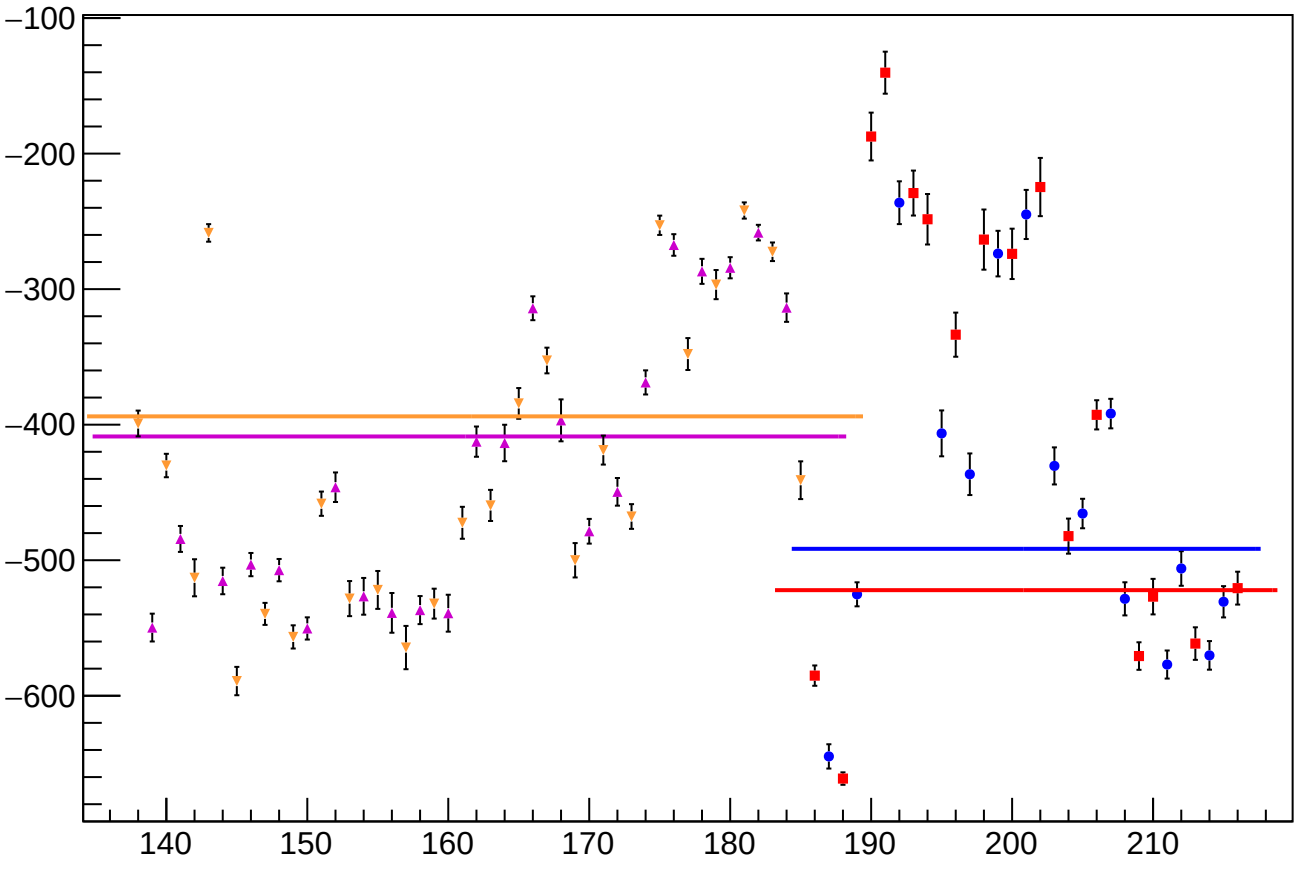
Left: 0.719+/-0.011 χ^2/NDF: 168685.3/47

Right: 20.148+/-0.019 χ^2/NDF: 1263917.9/66

In: 5.369+/-0.013 χ^2/NDF:992850.5/54

Out: 5.360+/-0.013 χ^2/NDF:1209811.6/59

All: 5.364+/-0.009 χ^2/NDF: 2202662.4/114



Right In: -491.593+/-3.095 χ^2/NDF: 1214.1/14

Left Out: -393.871+/-1.897 χ^2/NDF:3772.8/24

Right Out: -522.088+/-2.734 χ^2/NDF: 3308.2/15

Left In: -408.696+/-1.979 χ^2/NDF:3062.9/22

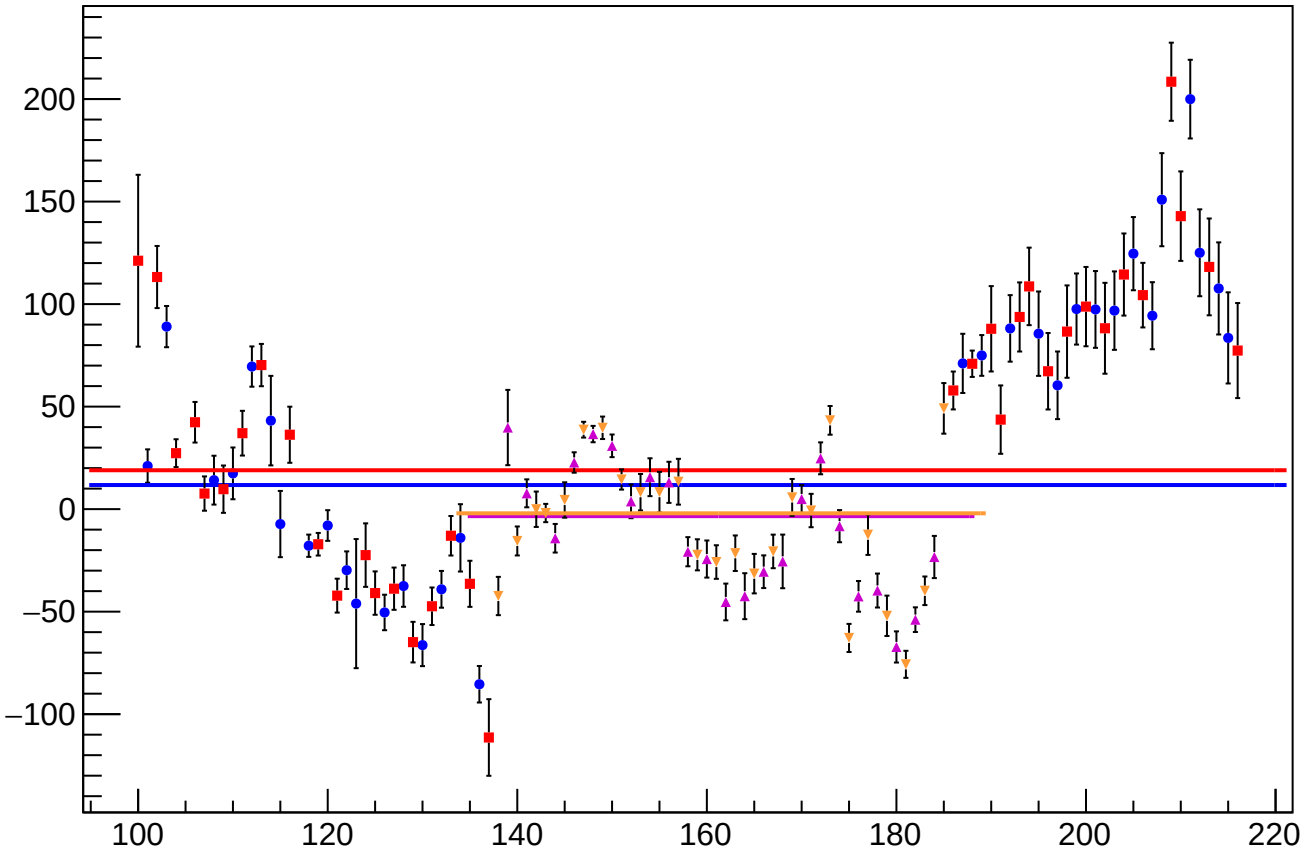
Left: -400.970+/-1.369 χ^2/NDF: 6864.9/47

Right: -508.721+/-2.049 χ^2/NDF: 4576.8/30

In: -432.754+/-1.667 χ^2/NDF:4786.2/37

Out: -435.537+/-1.559 χ^2/NDF:8565.5/40

All: -434.239+/-1.139 χ^2/NDF: 13353.2/78



Right In: 11.751+/-2.076 χ^2/NDF: 868.8/31

Left Out: -2.037+/-1.424 χ^2/NDF:563.8/24

Right Out: 18.964+/-1.931 χ^2/NDF: 848.1/34

Left In: -3.420+/-1.520 χ^2/NDF:451.0/22

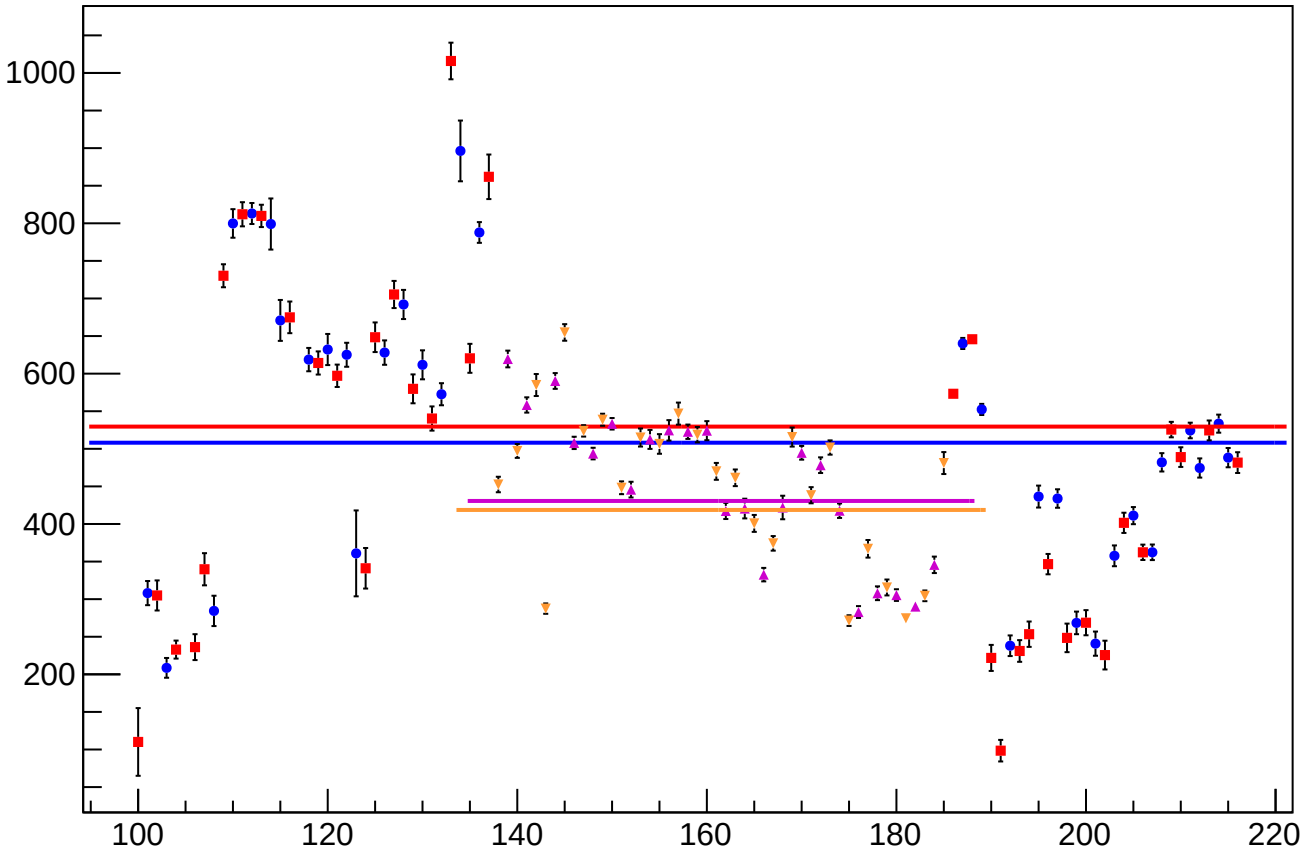
Left: -2.683+/-1.039 χ^2/NDF: 1015.2/47

Right: 15.619+/-1.414 χ^2/NDF: 1723.4/66

In: 1.875+/-1.226 χ^2/NDF:1354.6/54

Out: 5.365+/-1.146 χ^2/NDF:1488.5/59

All: 3.738+/-0.837 χ^2/NDF: 2847.4/114



Right In: 508.131+/-2.414 χ^2/NDF: 4204.4/31

Left Out: 418.680+/-1.905 χ^2/NDF:3296.5/24

Right Out: 529.562+/-2.076 χ^2/NDF: 7100.3/34

Left In: 430.640+/-1.971 χ^2/NDF:2850.6/22

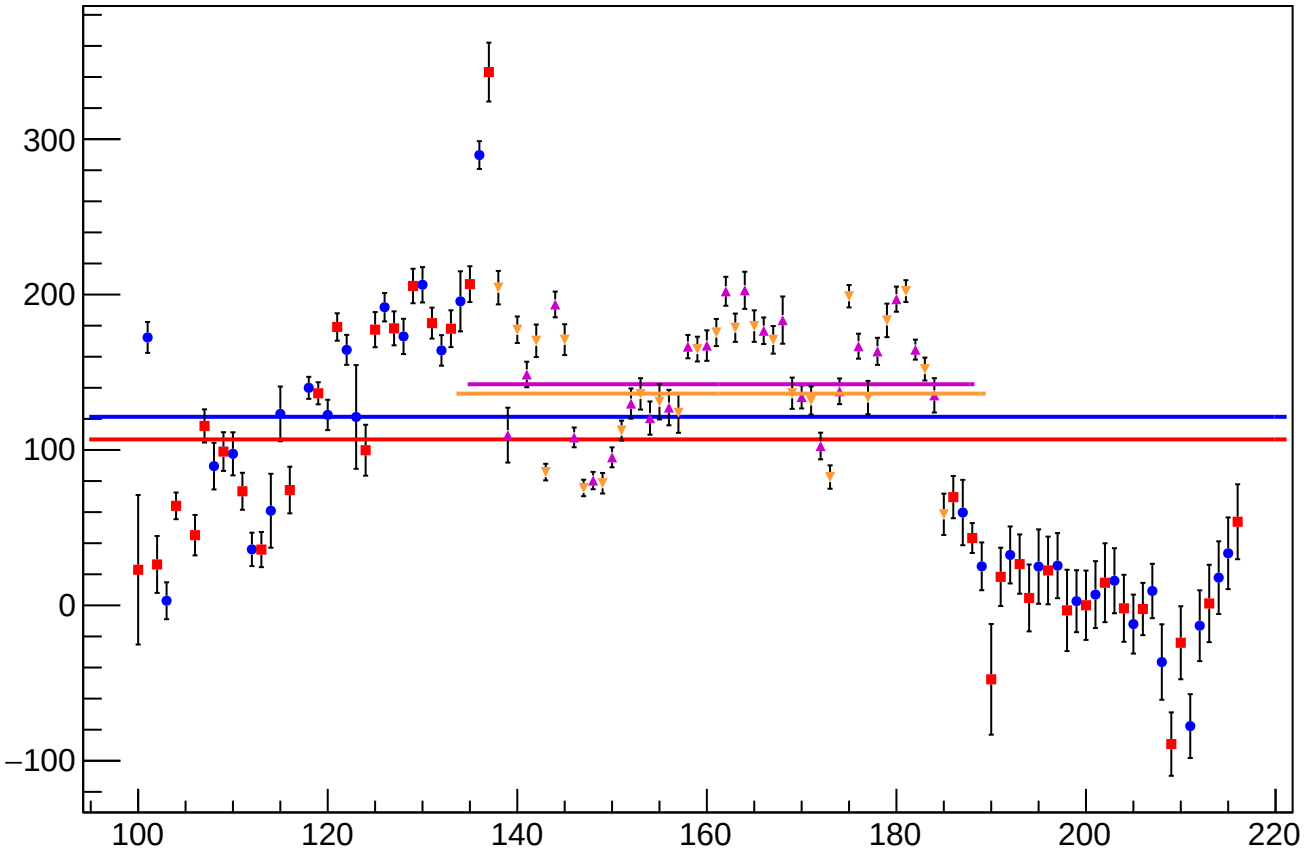
Left: 424.457+/-1.370 χ^2/NDF: 6166.1/47

Right: 520.450+/-1.574 χ^2/NDF: 11350.1/66

In: 461.632+/-1.527 χ^2/NDF:7673.4/54

Out: 469.362+/-1.404 χ^2/NDF:11945.6/59

All: 465.821+/-1.033 χ^2/NDF: 19632.8/114



Right In: 121.336+/-2.412 χ^2/NDF: 1247.4/31

Left Out: 136.258+/-1.651 χ^2/NDF:758.3/24

Right Out: 106.807+/-2.289 χ^2/NDF: 1106.3/34

Left In: 142.296+/-1.745 χ^2/NDF:459.8/22

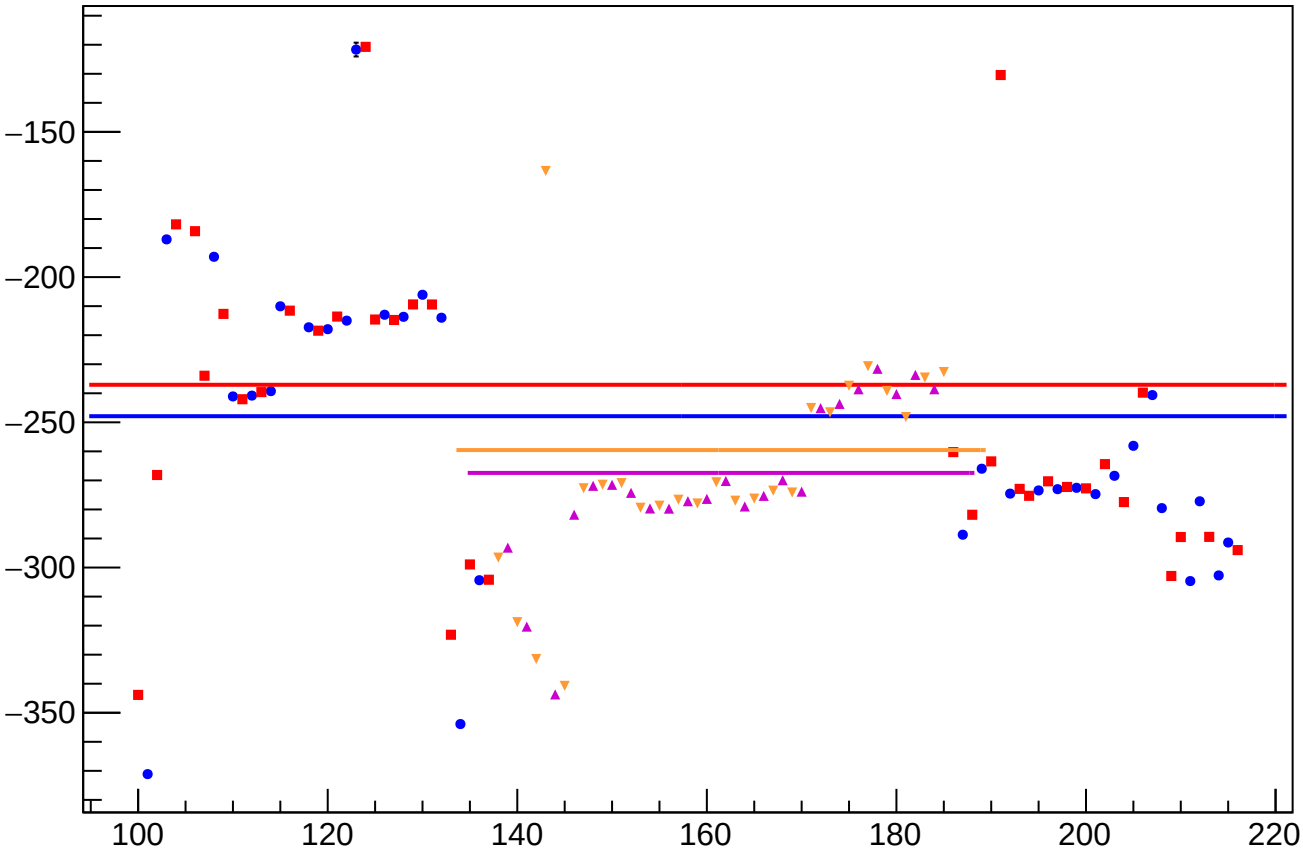
Left: 139.111+/-1.199 χ^2/NDF: 1224.4/47

Right: 113.692+/-1.661 χ^2/NDF: 2372.8/66

In: 135.098+/-1.414 χ^2/NDF:1756.8/54

Out: 126.182+/-1.339 χ^2/NDF:1973.4/59

All: 130.398+/-0.972 χ^2/NDF: 3751.2/114



Right In: -247.893+/-0.120 χ^2/NDF: 172590.1/31

Left Out: -259.557+/-0.079 χ^2/NDF:238235.2/24

Right Out: -237.073+/-0.112 χ^2/NDF: 185250.9/34

Left In: -267.417+/-0.082 χ^2/NDF:98035.5/22

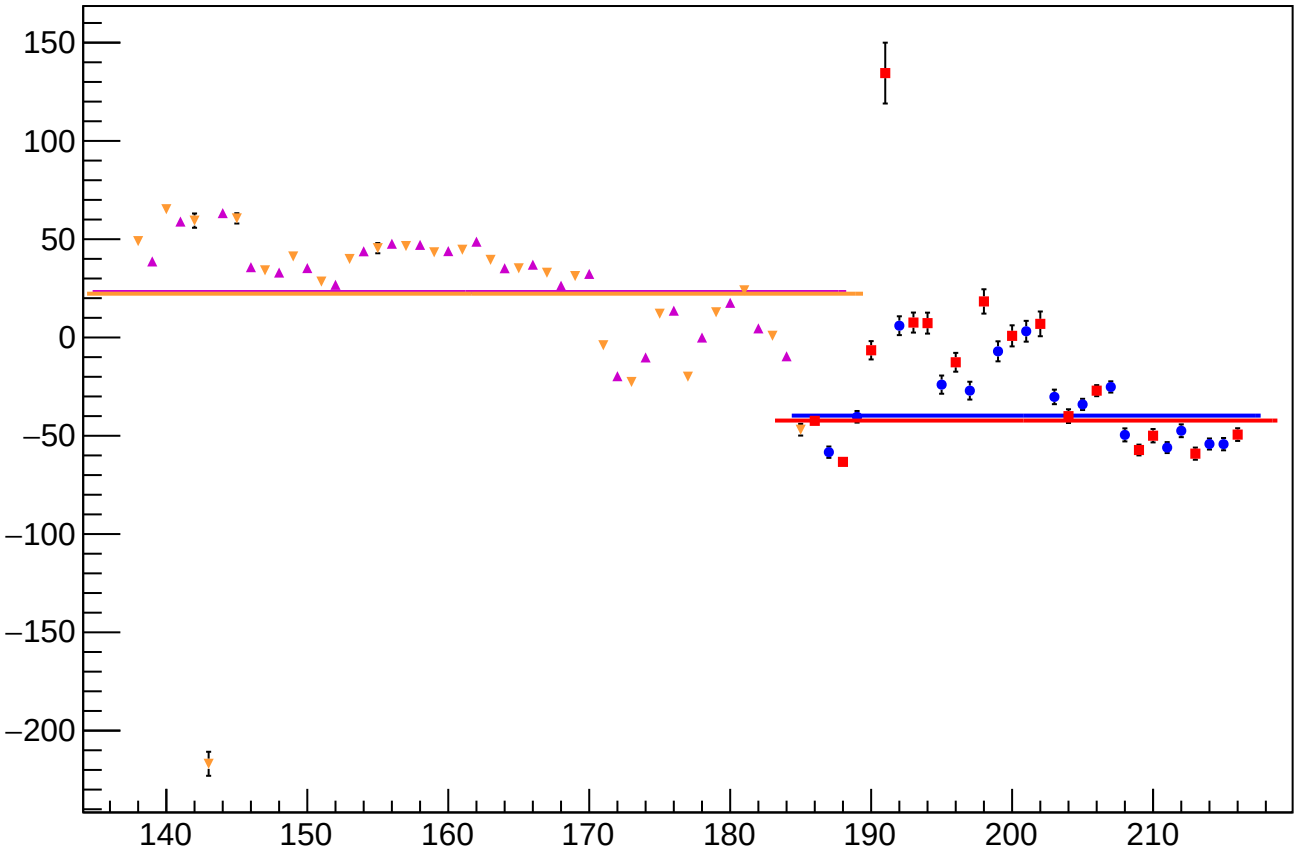
Left: -263.361+/-0.057 χ^2/NDF: 341051.4/47

Right: -242.114+/-0.082 χ^2/NDF: 362191.1/66

In: -261.228+/-0.067 χ^2/NDF:288741.9/54

Out: -252.073+/-0.065 χ^2/NDF:450384.9/59

All: -256.450+/-0.047 χ^2/NDF: 748727.7/114



Right In: -39.745+/-0.875 χ^2/NDF: 391.8/14

Left Out: 22.279+/-0.399 χ^2/NDF:5171.0/24

Right Out: -42.263+/-0.786 χ^2/NDF: 911.9/15

Left In: 23.136+/-0.401 χ^2/NDF:2744.7/22

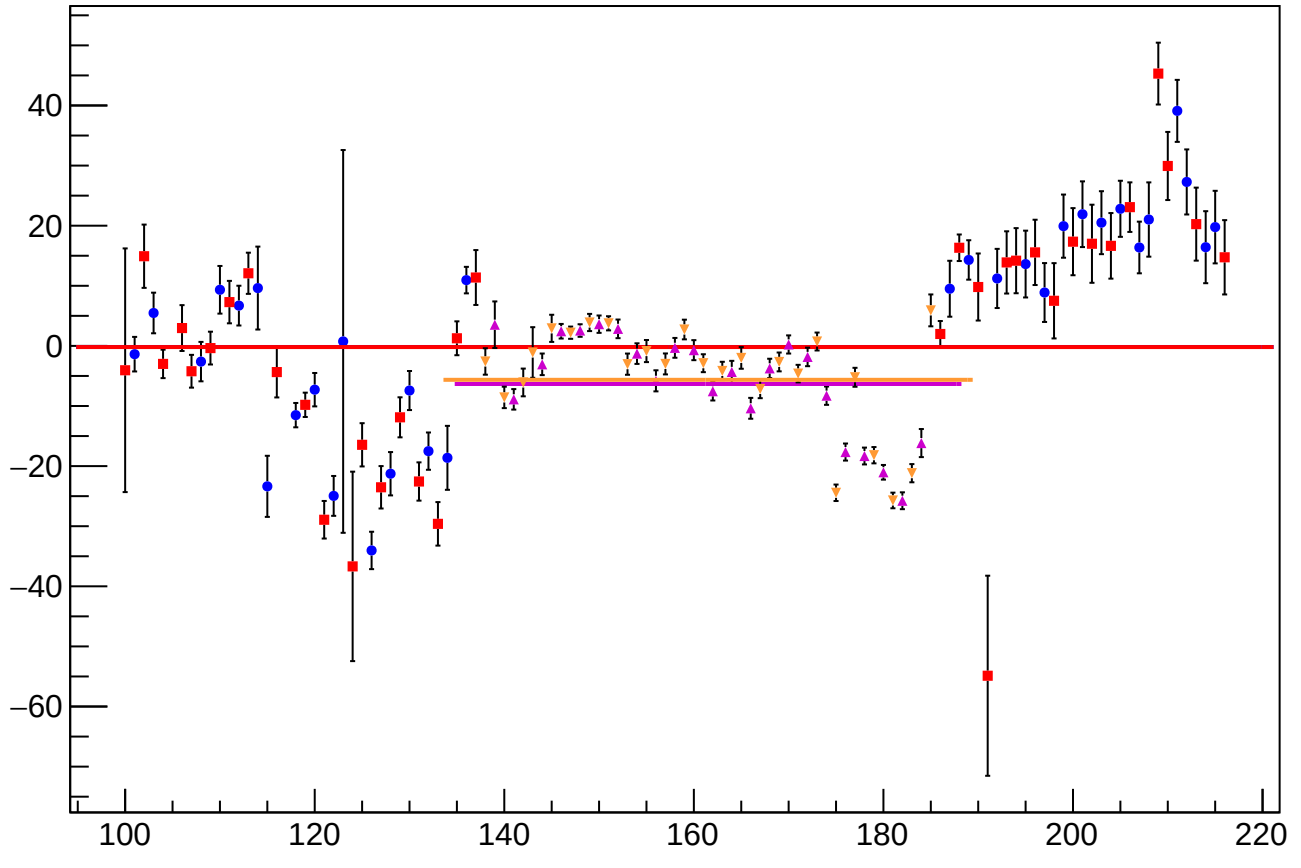
Left: 22.705+/-0.283 χ^2/NDF: 7918.0/47

Right: -41.138+/-0.585 χ^2/NDF: 1308.3/30

In: 12.198+/-0.365 χ^2/NDF:7404.2/37

Out: 9.065+/-0.356 χ^2/NDF:11446.6/40

All: 10.591+/-0.255 χ^2/NDF: 18888.6/78



Right In: -0.181+/-0.672 χ^2/NDF: 594.9/31

Left Out: -5.642+/-0.316 χ^2/NDF:893.7/24

Right Out: -0.193+/-0.623 χ^2/NDF: 619.0/34

Left In: -6.337+/-0.321 χ^2/NDF:783.0/22

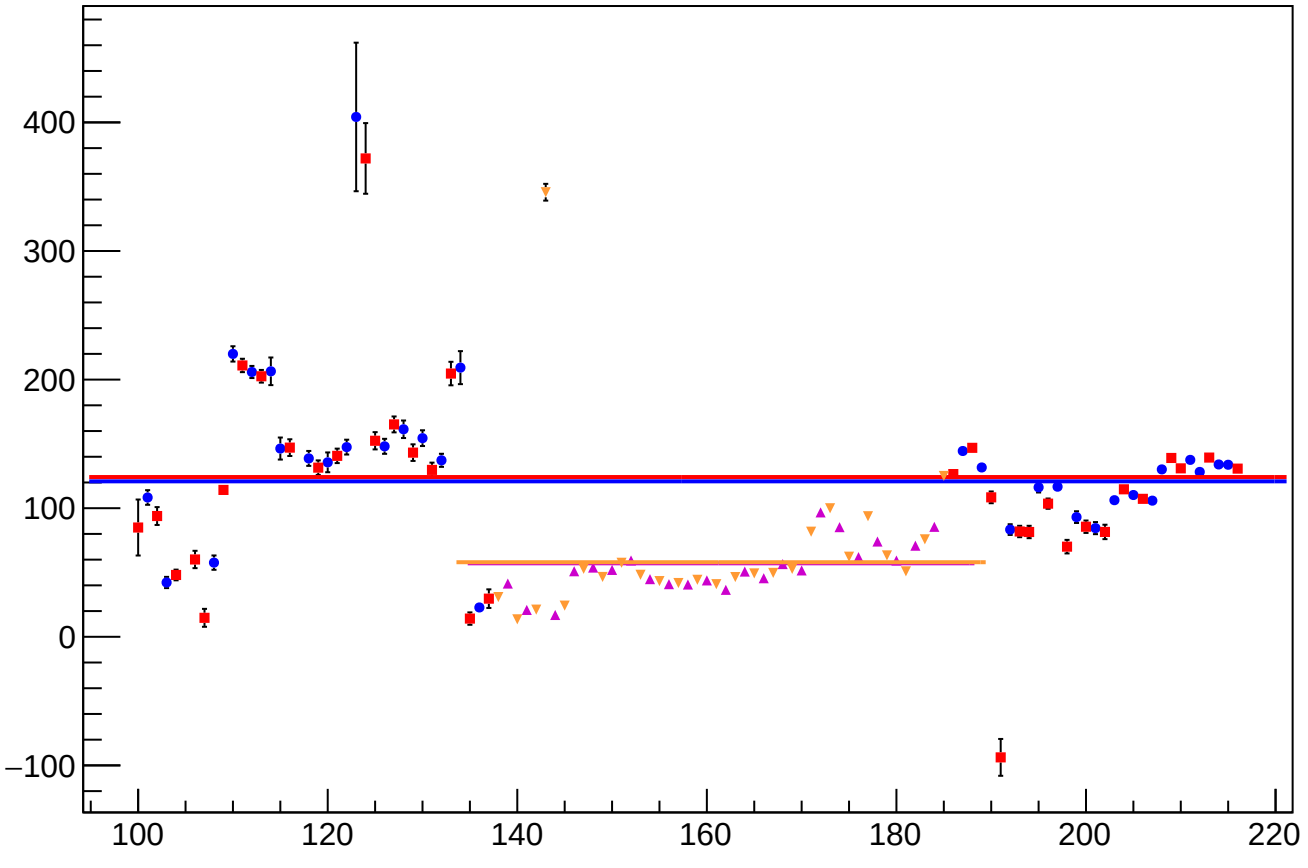
Left: -5.983+/-0.225 χ^2/NDF: 1679.1/47

Right: -0.187+/-0.457 χ^2/NDF: 1213.9/66

In: -5.192+/-0.290 χ^2/NDF:1446.2/54

Out: -4.528+/-0.281 χ^2/NDF:1573.7/59

All: -4.851+/-0.202 χ^2/NDF: 3022.6/114



Right In: 120.887+/-0.719 χ^2/NDF: 2602.3/31

Left Out: 57.990+/-0.398 χ^2/NDF:4635.7/24

Right Out: 124.228+/-0.621 χ^2/NDF: 3275.6/34

Left In: 57.139+/-0.400 χ^2/NDF:1803.4/22

Left: 57.566+/-0.282 χ^2/NDF: 6441.4/47

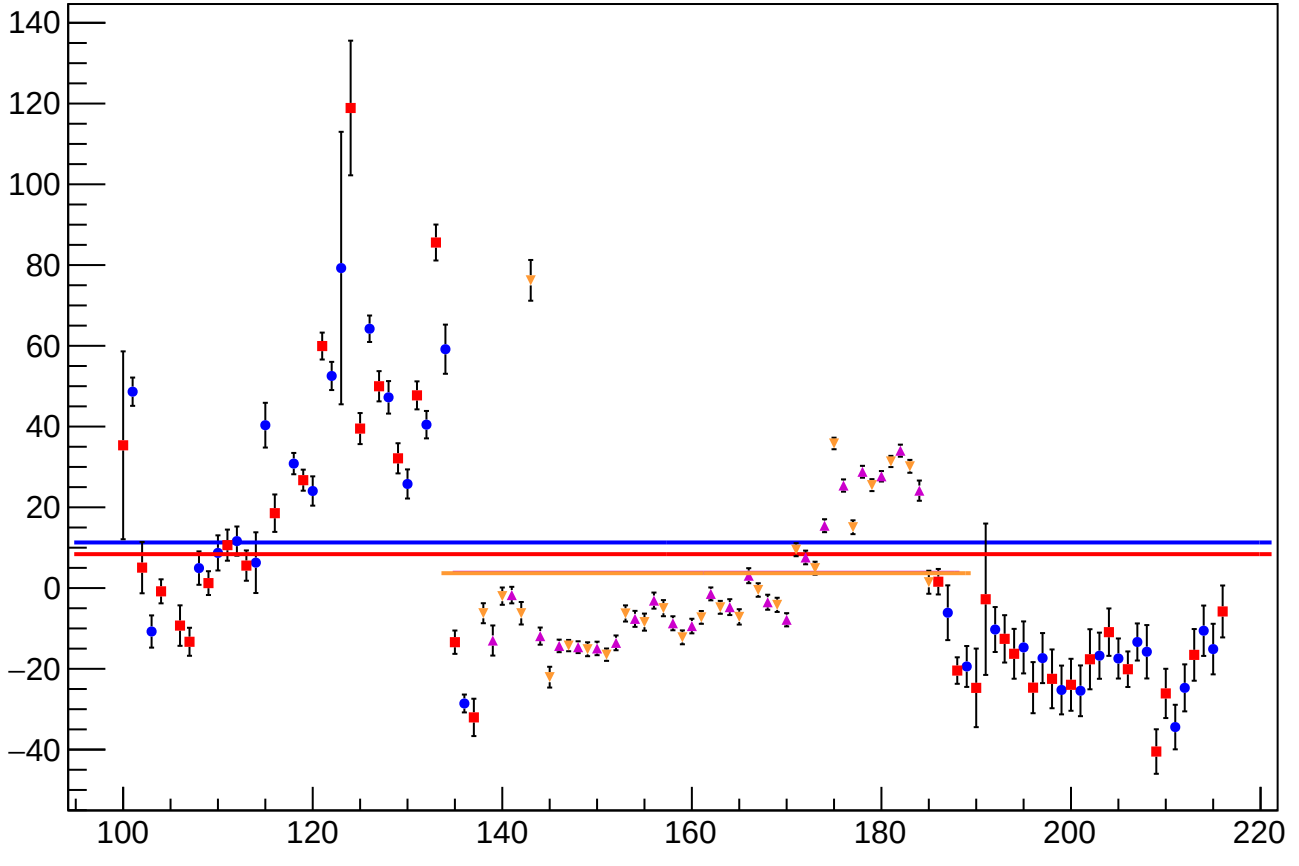
Right: 122.800+/-0.470 χ^2/NDF: 5890.3/66

In: 72.176+/-0.349 χ^2/NDF:10410.2/54

Out: 77.267+/-0.335 χ^2/NDF:15974.4/59

All: 74.827+/-0.242 χ^2/NDF: 26495.2/114

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.294+/-0.770 χ^2/NDF: 1609.0/31

Left Out: 3.684+/-0.357 χ^2/NDF:2541.7/24

Right Out: 8.401+/-0.735 χ^2/NDF: 1586.8/34

Left In: 3.786+/-0.362 χ^2/NDF:2198.8/22

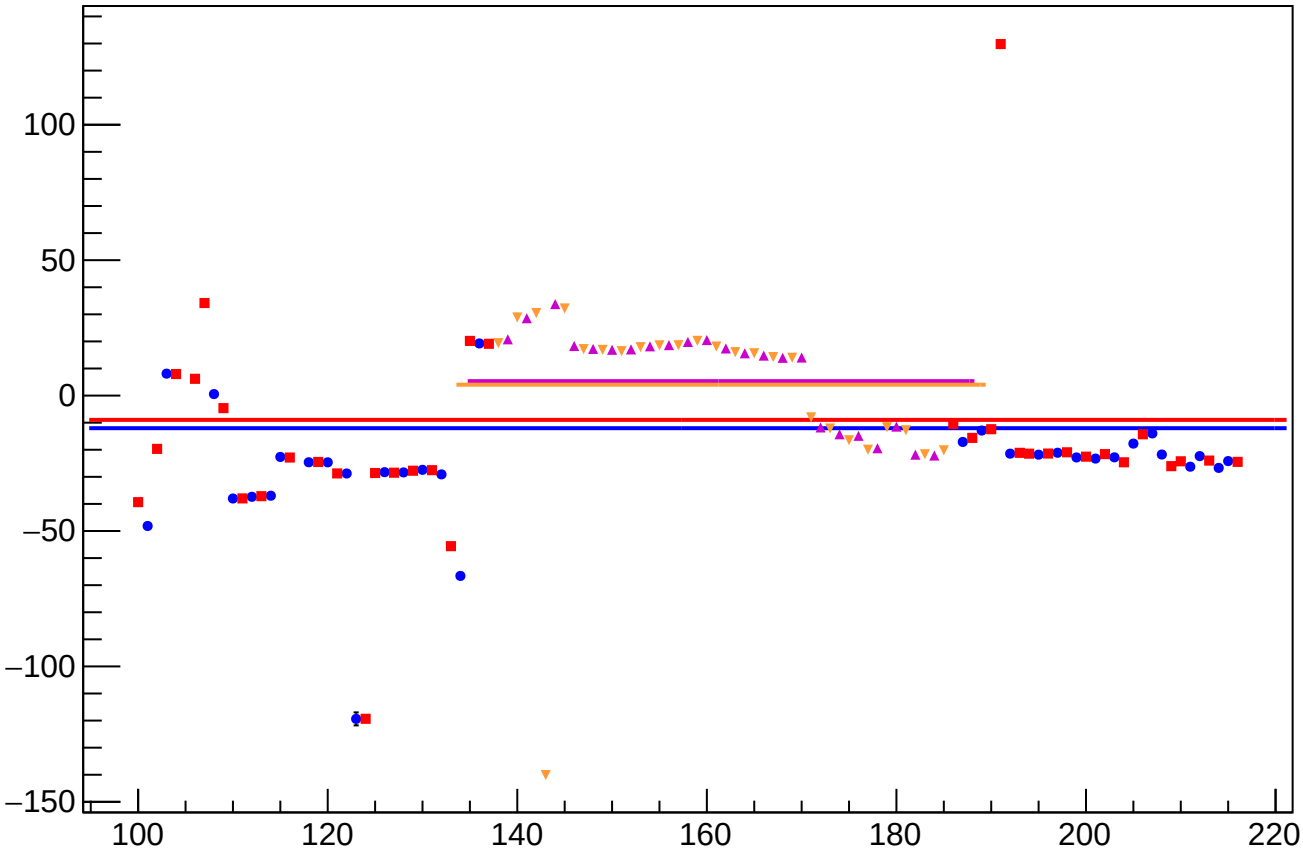
Left: 3.734+/-0.254 χ^2/NDF: 4740.5/47

Right: 9.780+/-0.532 χ^2/NDF: 3203.2/66

In: 5.142+/-0.327 χ^2/NDF:3885.6/54

Out: 4.583+/-0.321 χ^2/NDF:4161.8/59

All: 4.857+/-0.229 χ^2/NDF: 8048.9/114



Right In: -12.040+/-0.036 χ^2/NDF: 307001.7/31

Left Out: 4.026+/-0.016 χ^2/NDF:1383143.9/24

Right Out: -8.966+/-0.035 χ^2/NDF: 399329.7/34

Left In: 5.335+/-0.016 χ^2/NDF:1077818.8/22

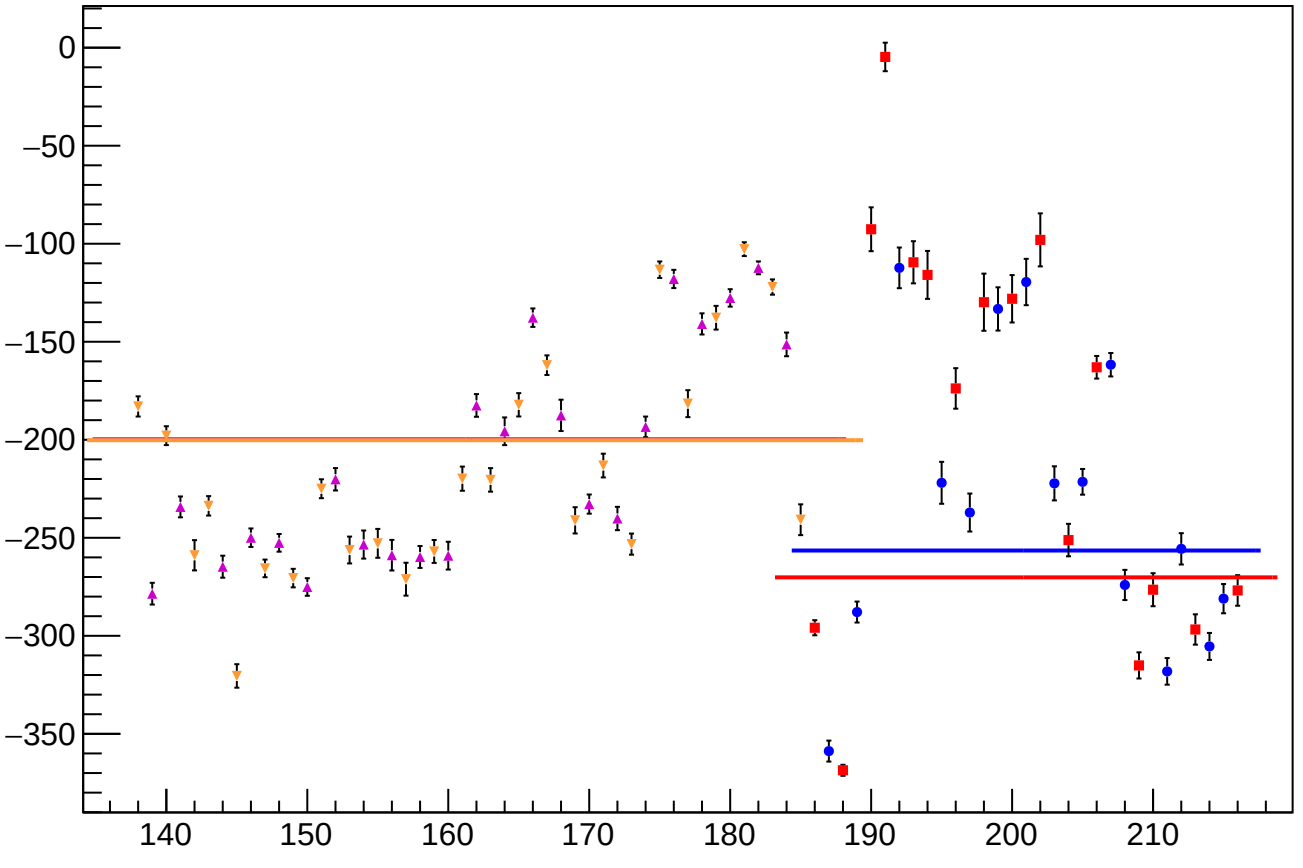
Left: 4.678+/-0.012 χ^2/NDF: 2464153.9/47

Right: -10.472+/-0.025 χ^2/NDF: 710053.9/66

In: 2.340+/-0.015 χ^2/NDF:1577735.6/54

Out: 1.724+/-0.015 χ^2/NDF:1894167.5/59

All: 2.030+/-0.011 χ^2/NDF: 3472760.4/114



Right In: -256.496+/-1.919 χ^2/NDF: 1310.2/14

Left Out: -200.228+/-1.078 χ^2/NDF:3225.0/24

Right Out: -270.185+/-1.630 χ^2/NDF: 4122.1/15

Left In: -199.739+/-1.097 χ^2/NDF:2968.0/22

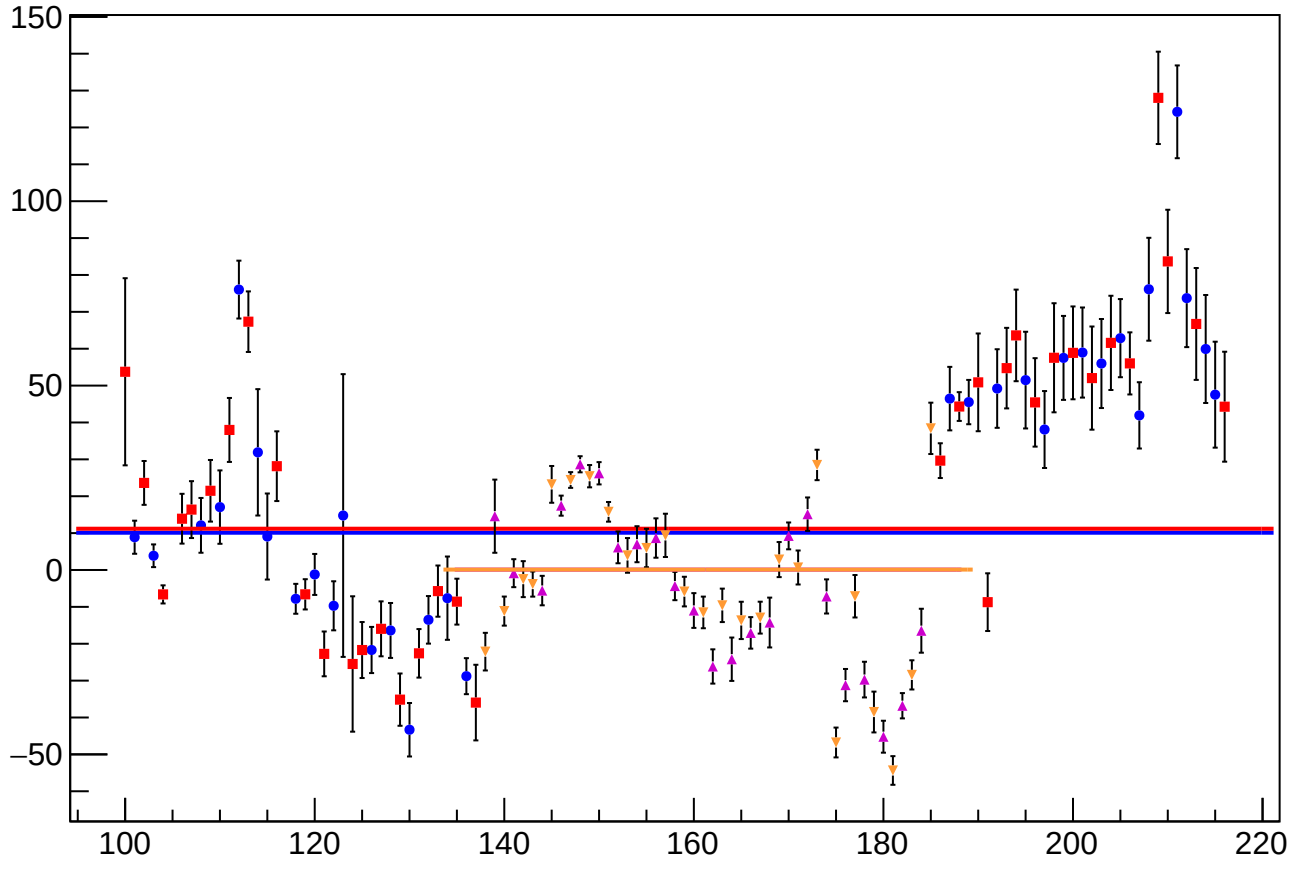
Left: -199.988+/-0.769 χ^2/NDF: 6193.2/47

Right: -264.449+/-1.242 χ^2/NDF: 5461.9/30

In: -213.728+/-0.953 χ^2/NDF:4937.5/37

Out: -221.518+/-0.899 χ^2/NDF:8629.2/40

All: -217.848+/-0.654 χ^2/NDF: 13602.0/78



Right In: 10.105+/-1.294 χ^2/NDF: 596.0/31

Left Out: 0.109+/-0.807 χ^2/NDF:831.2/24

Right Out: 11.192+/-1.176 χ^2/NDF: 667.4/34

Left In: 0.097+/-0.838 χ^2/NDF:715.5/22

Left: 0.103+/-0.581 χ^2/NDF: 1546.7/47

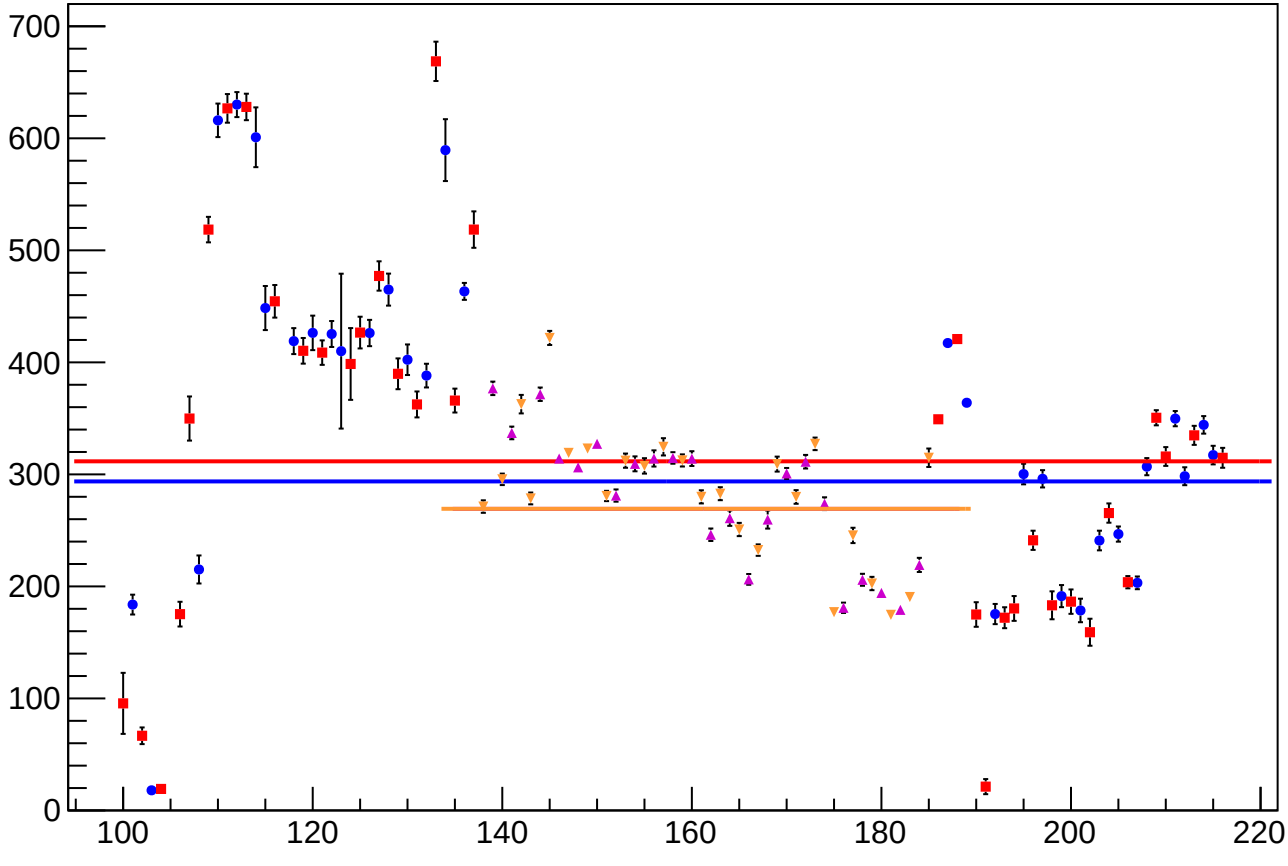
Right: 10.700+/-0.870 χ^2/NDF: 1263.7/66

In: 3.054+/-0.703 χ^2/NDF:1353.6/54

Out: 3.658+/-0.665 χ^2/NDF:1559.0/59

All: 3.373+/-0.483 χ^2/NDF: 2913.0/114

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 293.722+/-1.452 χ^2/NDF: 9645.1/31

Left Out: 269.278+/-1.078 χ^2/NDF:3146.7/24

Right Out: 311.654+/-1.229 χ^2/NDF: 14403.7/34

Left In: 269.191+/-1.091 χ^2/NDF:3170.2/22

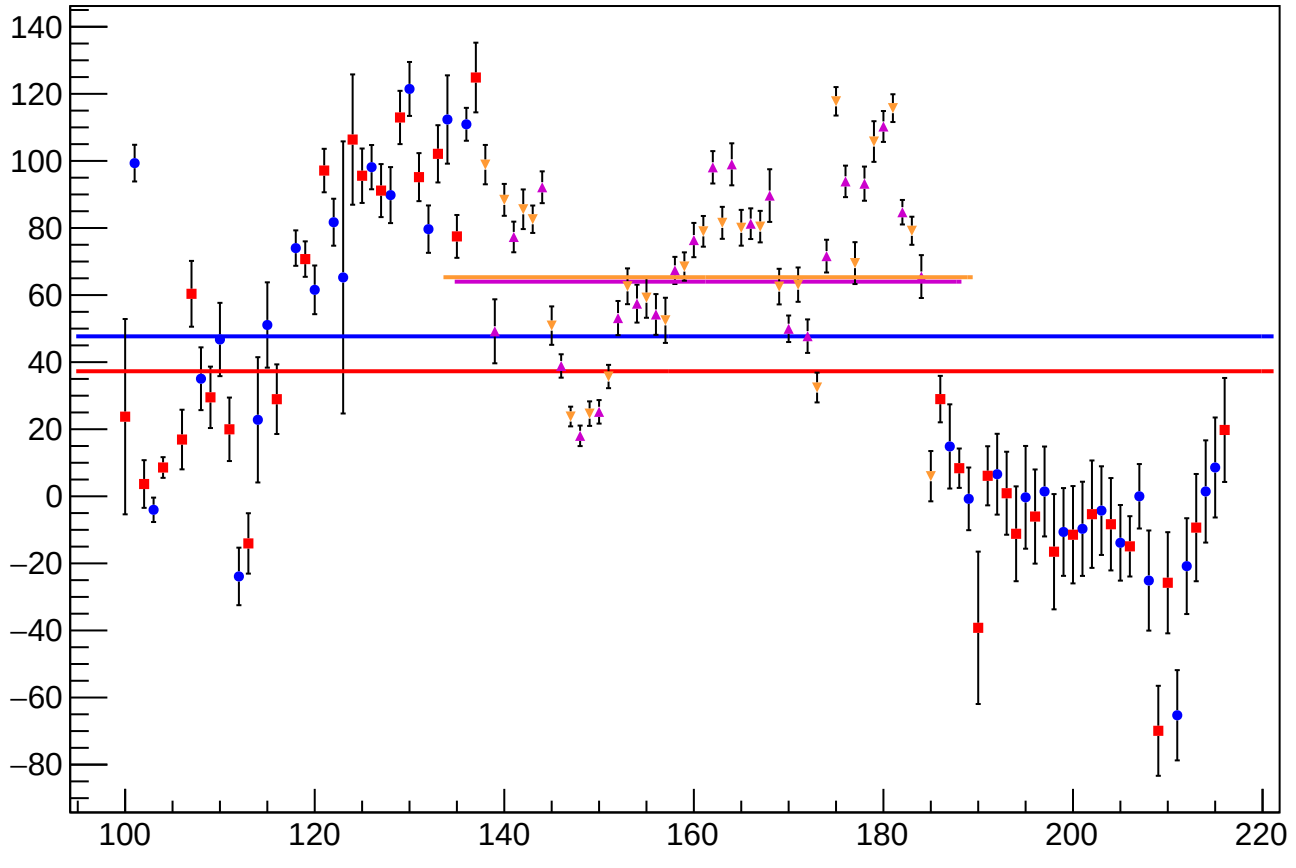
Left: 269.235+/-0.767 χ^2/NDF: 6316.9/47

Right: 304.167+/-0.938 χ^2/NDF: 24137.7/66

In: 278.039+/-0.872 χ^2/NDF:12997.8/54

Out: 287.694+/-0.810 χ^2/NDF:18222.5/59

All: 283.220+/-0.594 χ^2/NDF: 31286.0/114



Right In: 47.694+/-1.506 χ^2/NDF: 1102.6/31

Left Out: 65.323+/-0.935 χ^2/NDF:1007.1/24

Right Out: 37.288+/-1.416 χ^2/NDF: 961.0/34

Left In: 63.999+/-0.963 χ^2/NDF:799.5/22

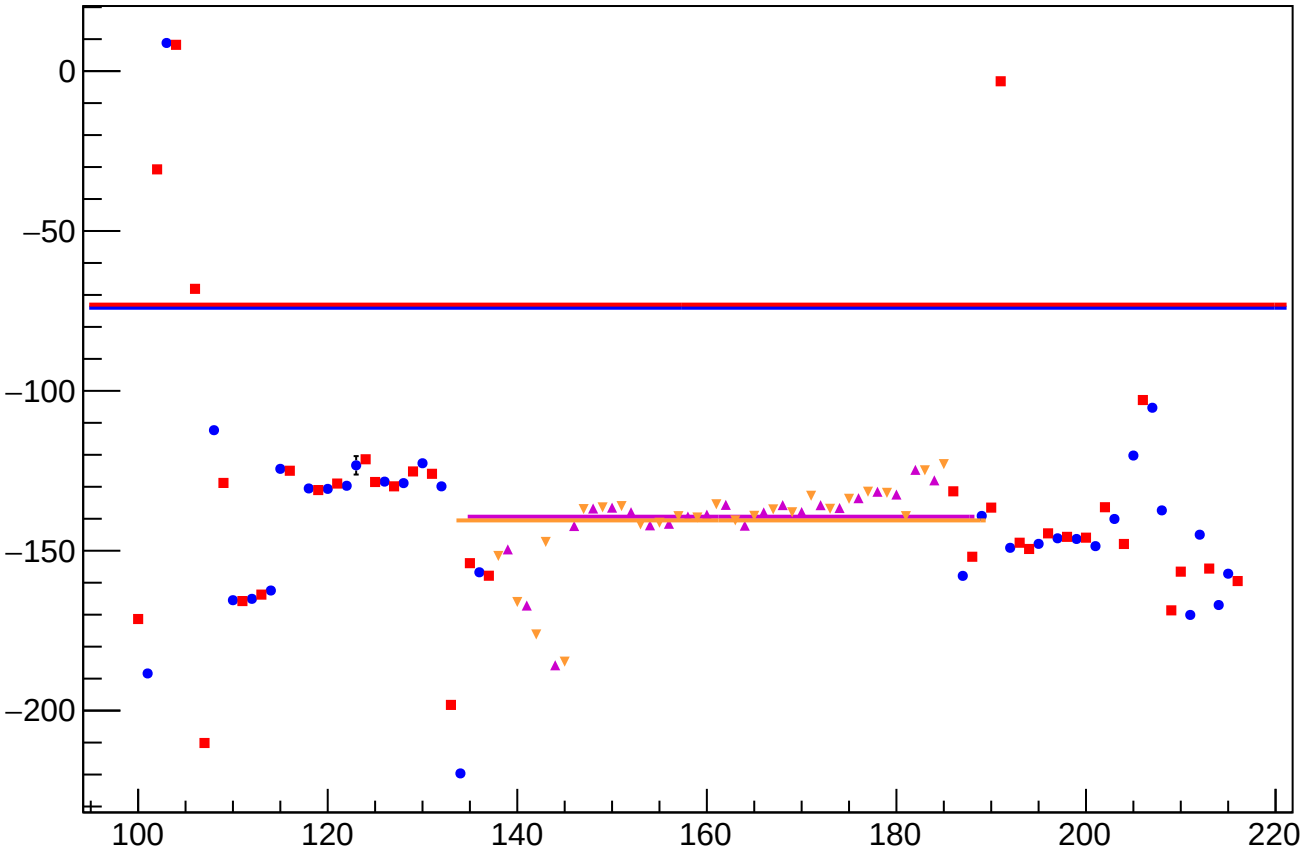
Left: 64.681+/-0.671 χ^2/NDF: 1807.5/47

Right: 42.169+/-1.031 χ^2/NDF: 2089.0/66

In: 59.268+/-0.811 χ^2/NDF:1985.3/54

Out: 56.812+/-0.780 χ^2/NDF:2241.2/59

All: 57.992+/-0.562 χ^2/NDF: 4231.3/114



Right In: -73.999+/-0.062 χ^2/NDF: 1609377.3/31

Left Out: -140.519+/-0.045 χ^2/NDF:77489.0/24

Right Out: -73.029+/-0.060 χ^2/NDF: 1445870.1/34

Left In: -139.360+/-0.045 χ^2/NDF:62449.0/22

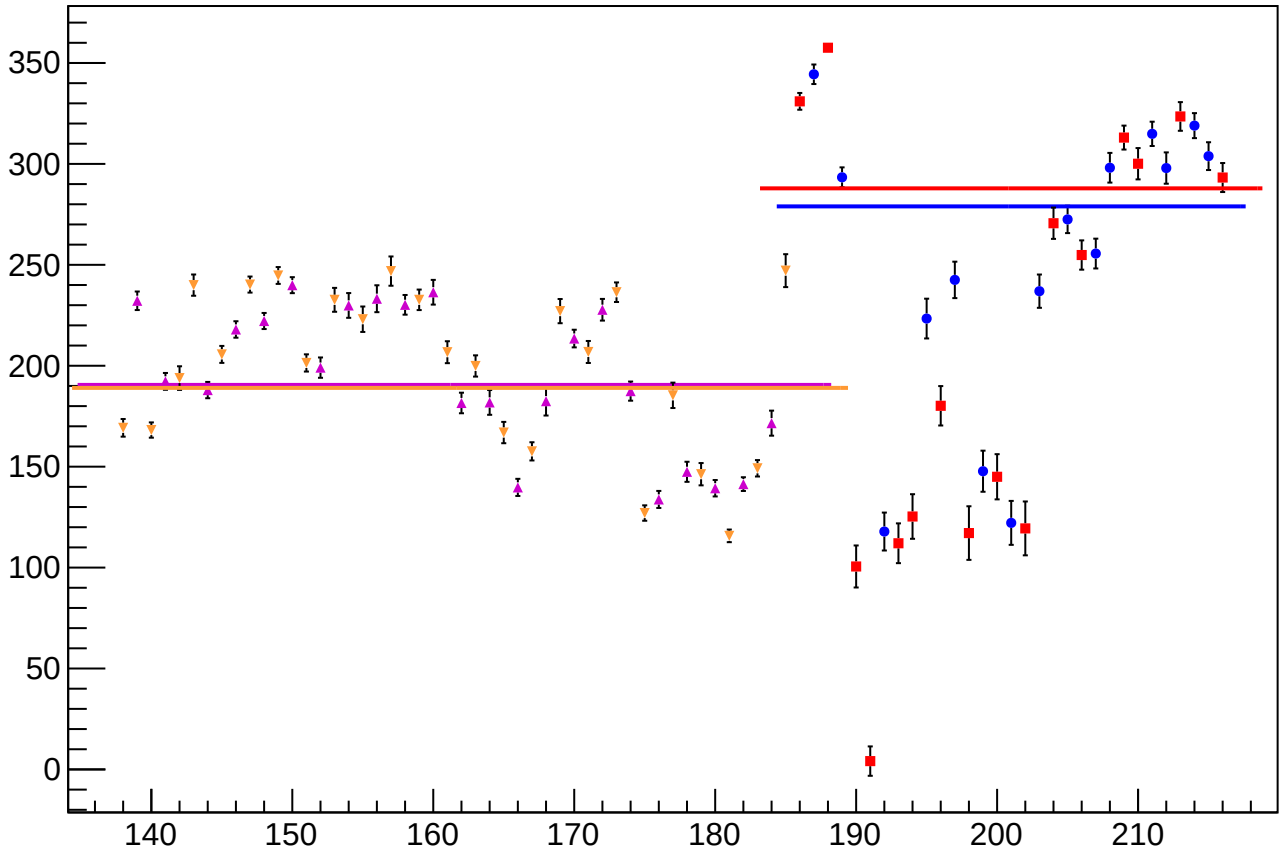
Left: -139.945+/-0.032 χ^2/NDF: 140272.6/47

Right: -73.502+/-0.043 χ^2/NDF: 3055374.9/66

In: -116.576+/-0.036 χ^2/NDF:2406886.3/54

Out: -116.552+/-0.036 χ^2/NDF:2338242.7/59

All: -116.564+/-0.025 χ^2/NDF: 4745129.2/11



Right In: 278.951+/-1.824 χ^2/NDF: 1047.4/14

Left Out: 189.030+/-0.956 χ^2/NDF:1980.9/24

Right Out: 287.886+/-1.555 χ^2/NDF: 3940.7/15

Left In: 190.506+/-0.975 χ^2/NDF:1412.7/22

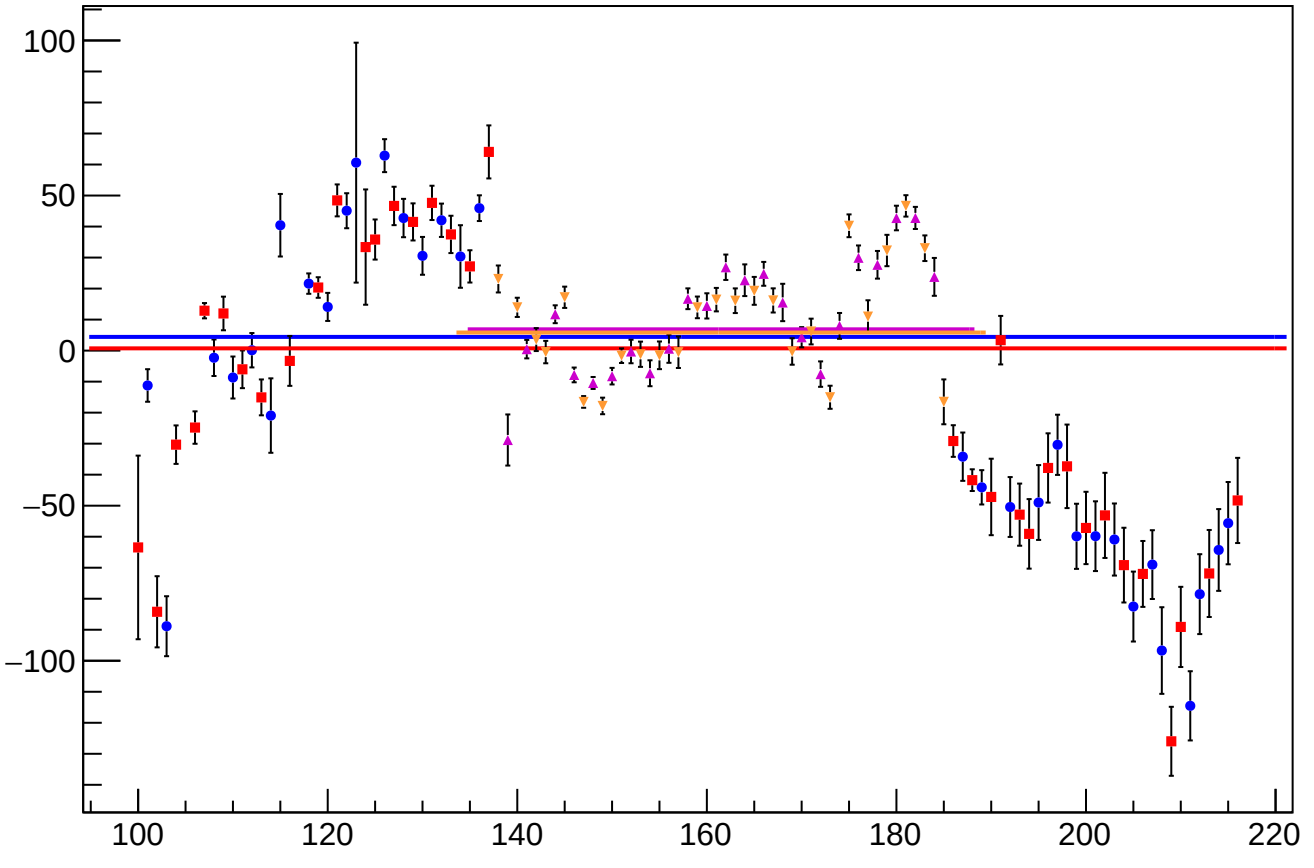
Left: 189.753+/-0.683 χ^2/NDF: 3394.8/47

Right: 284.124+/-1.183 χ^2/NDF: 5002.0/30

In: 210.170+/-0.860 χ^2/NDF:4289.3/37

Out: 216.136+/-0.814 χ^2/NDF:8854.3/40

All: 213.315+/-0.591 χ^2/NDF: 13169.0/78



Right In: 4.421+/-1.231 χ^2/NDF: 1170.8/31

Left Out: 5.834+/-0.712 χ^2/NDF:652.2/24

Right Out: 0.727+/-1.060 χ^2/NDF: 1202.7/34

Left In: 6.862+/-0.736 χ^2/NDF:522.7/22

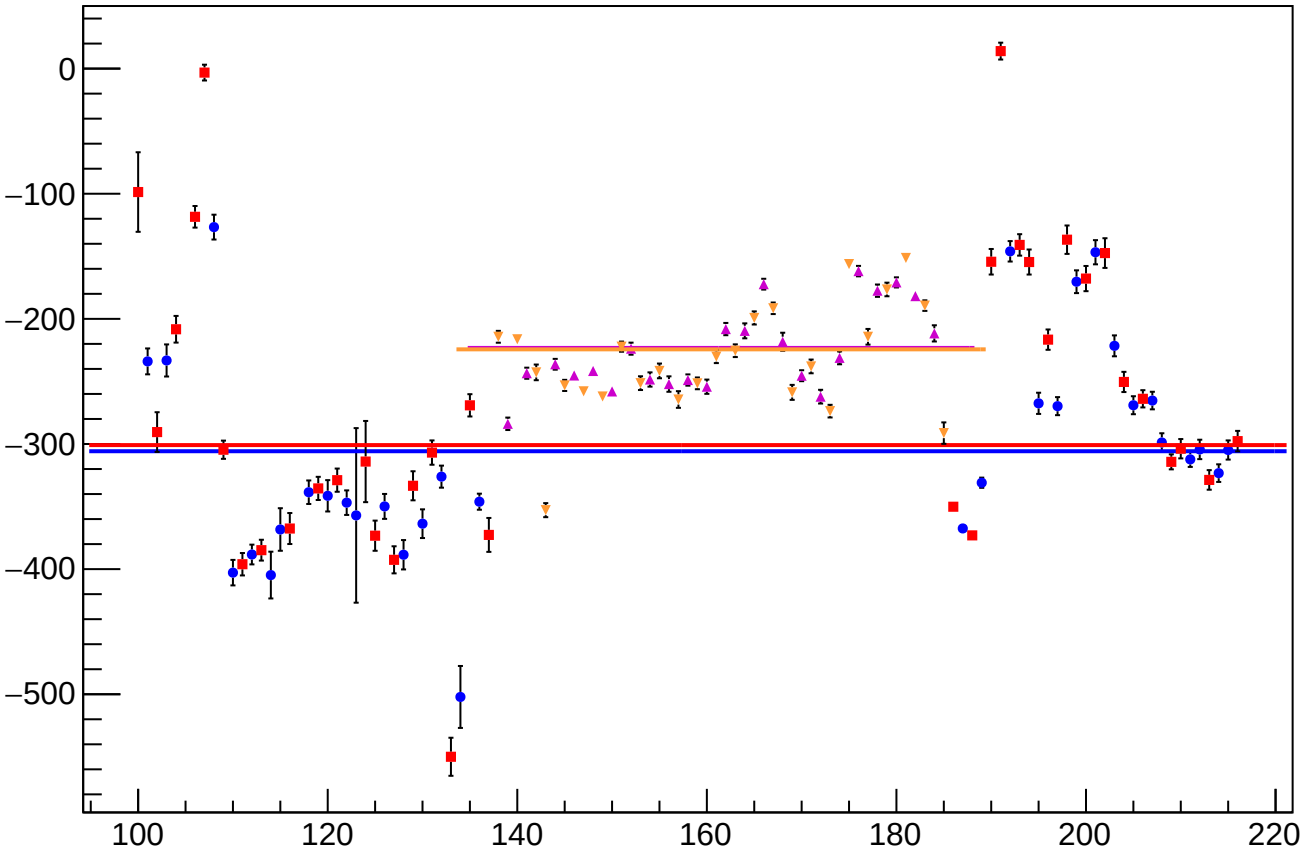
Left: 6.331+/-0.512 χ^2/NDF: 1176.0/47

Right: 2.300+/-0.803 χ^2/NDF: 2378.6/66

In: 6.219+/-0.632 χ^2/NDF:1696.4/54

Out: 4.245+/-0.591 χ^2/NDF:1870.9/59

All: 5.167+/-0.432 χ^2/NDF: 3572.5/114



Right In: -305.782+/-1.417 χ^2/NDF: 2257.0/31

Left Out: -224.364+/-0.956 χ^2/NDF:2103.2/24

Right Out: -300.881+/-1.170 χ^2/NDF: 8677.7/34

Left In: -223.223+/-0.969 χ^2/NDF:1269.3/22

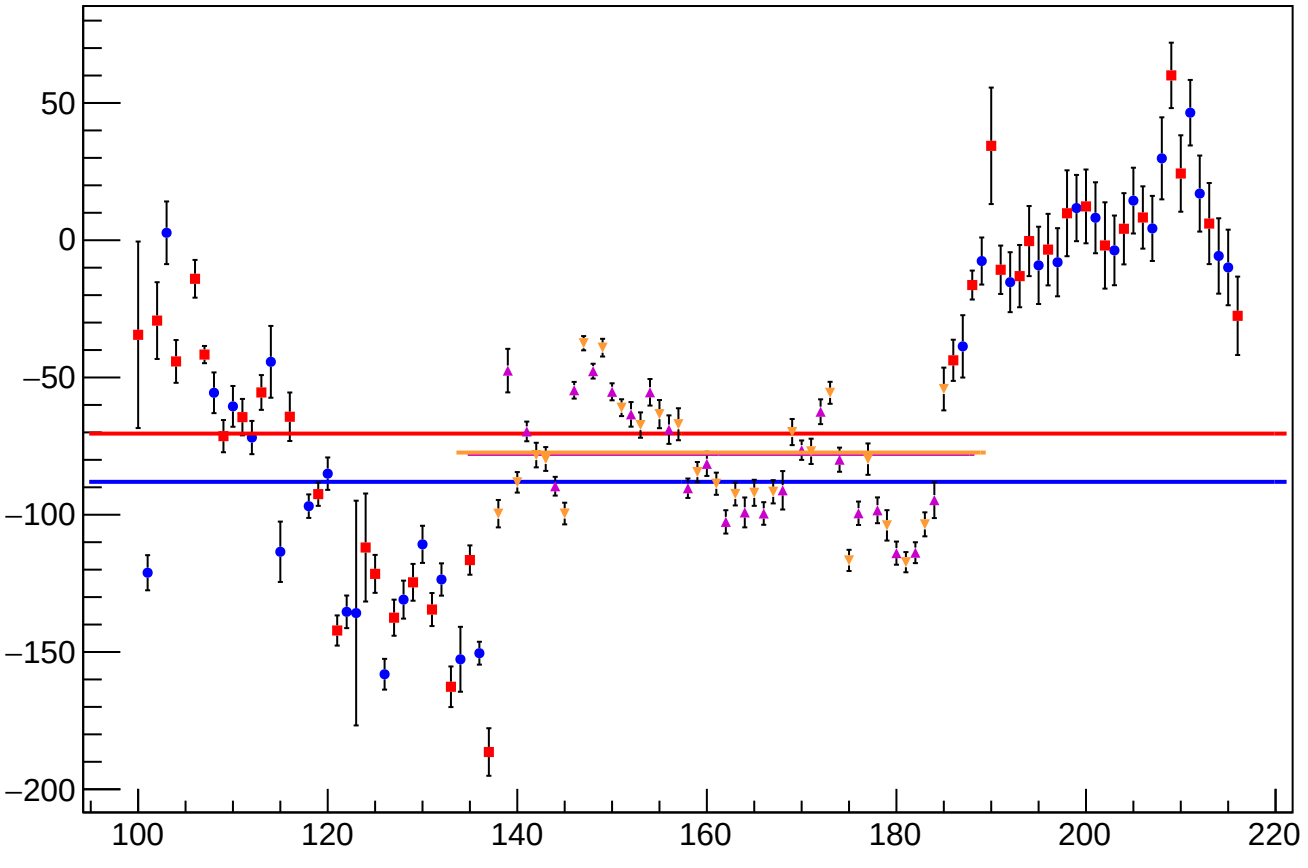
Left: -223.801+/-0.681 χ^2/NDF: 3373.2/47

Right: -302.868+/-0.903 χ^2/NDF: 10941.8/66

In: -249.525+/-0.800 χ^2/NDF:5838.0/54

Out: -254.983+/-0.740 χ^2/NDF:13344.4/59

All: -252.465+/-0.543 χ^2/NDF: 19207.5/114



Right In: -88.012+/-1.426 χ^2/NDF: 1553.8/31

Left Out: -77.343+/-0.827 χ^2/NDF:846.2/24

Right Out: -70.437+/-1.267 χ^2/NDF: 1764.4/34

Left In: -77.838+/-0.849 χ^2/NDF:622.8/22

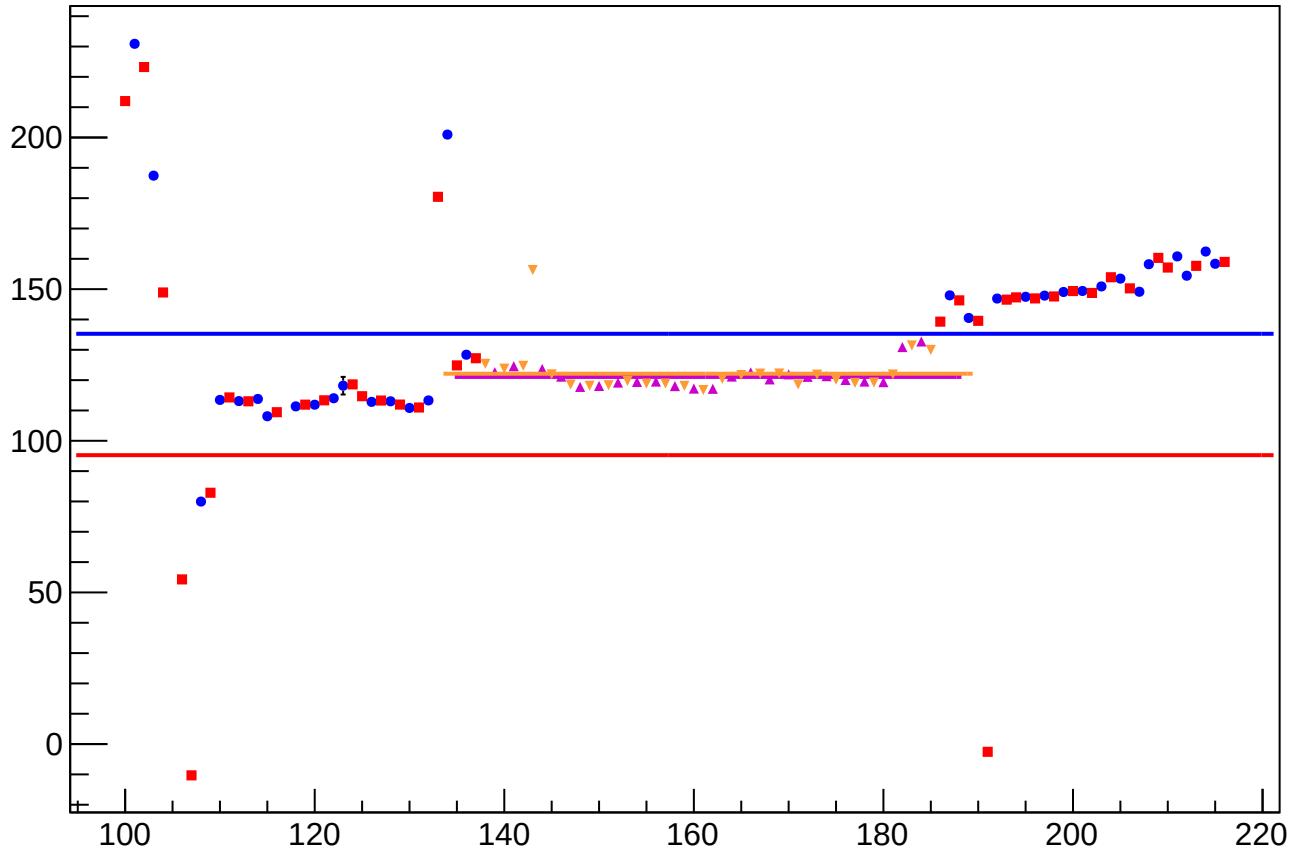
Left: -77.584+/-0.592 χ^2/NDF: 1469.2/47

Right: -78.189+/-0.947 χ^2/NDF: 3403.1/66

In: -80.500+/-0.729 χ^2/NDF:2214.2/54

Out: -75.280+/-0.692 χ^2/NDF:2631.5/59

All: -77.754+/-0.502 χ^2/NDF: 4872.6/114



Right In: 135.282+/-0.072 χ^2/NDF: 211762.4/31

Left Out: 122.119+/-0.039 χ^2/NDF:30480.7/24

Right Out: 95.264+/-0.061 χ^2/NDF: 1167661.3/34

Left In: 121.055+/-0.040 χ^2/NDF:7931.6/22

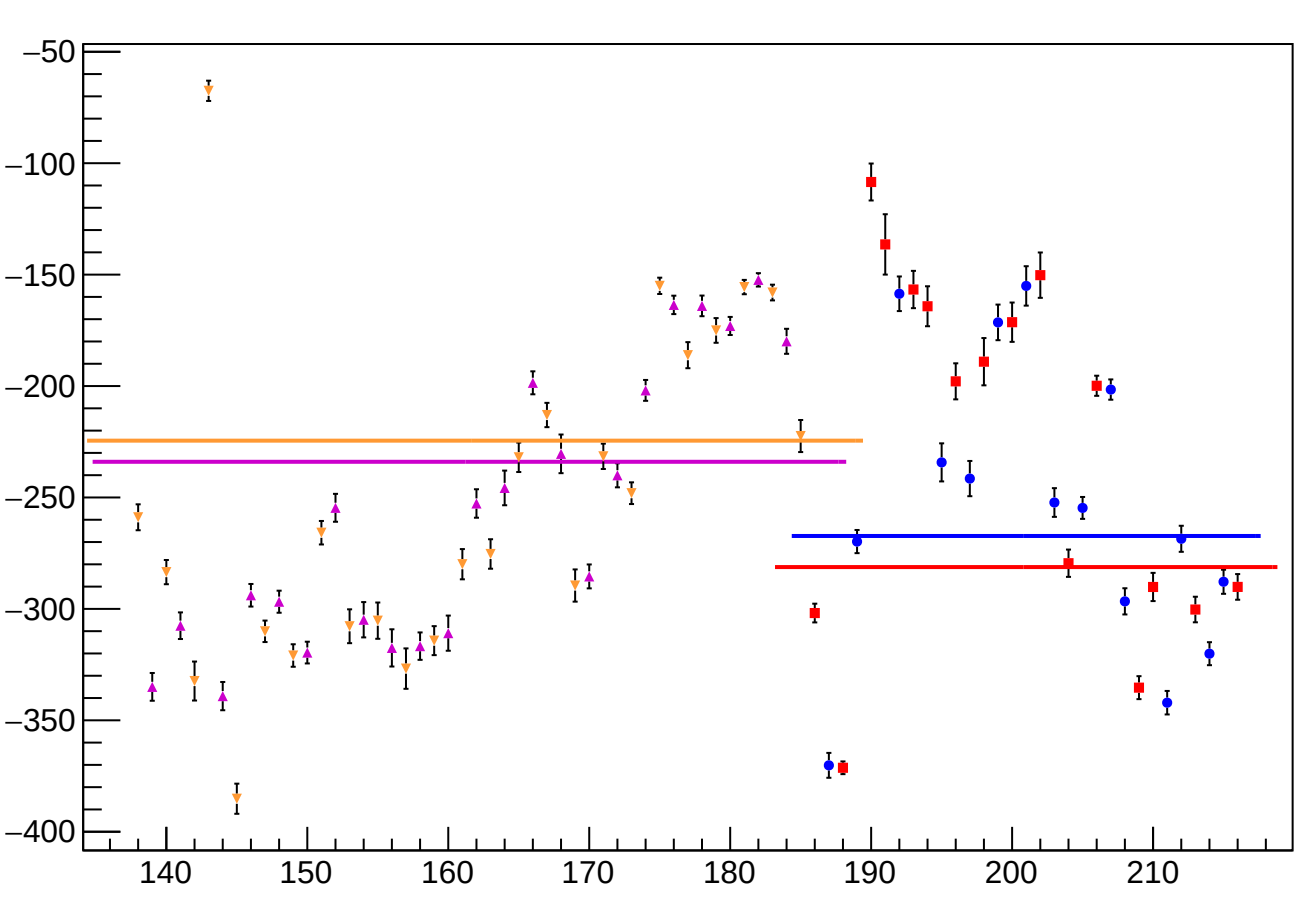
Left: 121.591+/-0.028 χ^2/NDF: 38773.7/47

Right: 112.037+/-0.047 χ^2/NDF: 1558119.1/66

In: 124.366+/-0.035 χ^2/NDF:249528.3/54

Out: 114.262+/-0.033 χ^2/NDF:1333970.3/59

All: 119.068+/-0.024 χ^2/NDF: 1627682.8/114



Right In: -267.278+/-1.537 χ^2/NDF: 1432.1/14

Left Out: -224.501+/-1.079 χ^2/NDF:4870.6/24

Right Out: -281.234+/-1.456 χ^2/NDF: 2914.7/15

Left In: -233.988+/-1.109 χ^2/NDF:3538.4/22

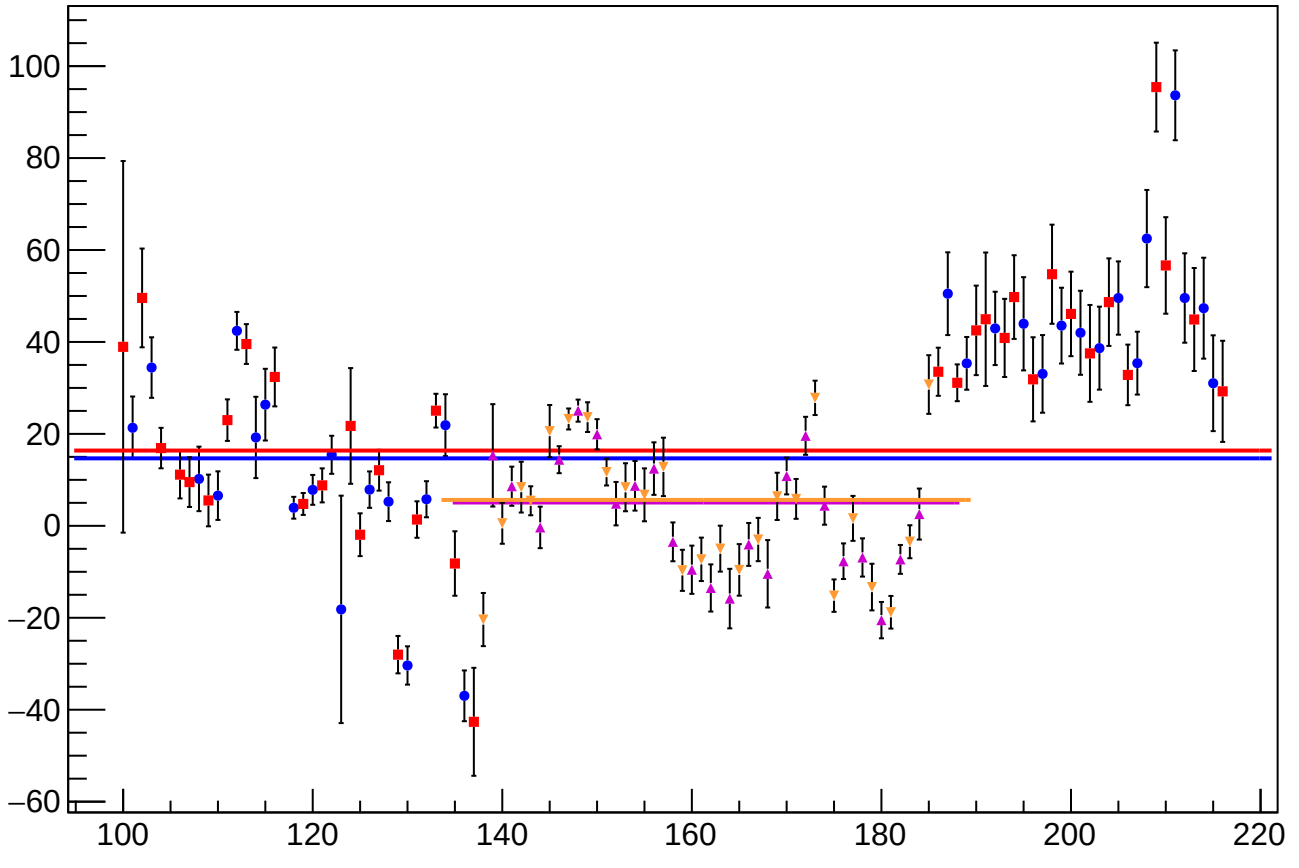
Left: -229.116+/-0.773 χ^2/NDF: 8446.6/47

Right: -274.632+/-1.057 χ^2/NDF: 4390.3/30

In: -245.382+/-0.899 χ^2/NDF:5279.2/37

Out: -244.614+/-0.867 χ^2/NDF:8765.3/40

All: -244.984+/-0.624 χ^2/NDF: 14044.9/78



Right In: 14.678+/-0.988 χ^2/NDF: 527.0/31

Left Out: 5.638+/-0.828 χ^2/NDF:313.6/24

Right Out: 16.375+/-0.945 χ^2/NDF: 468.6/34

Left In: 5.077+/-0.869 χ^2/NDF:239.7/22

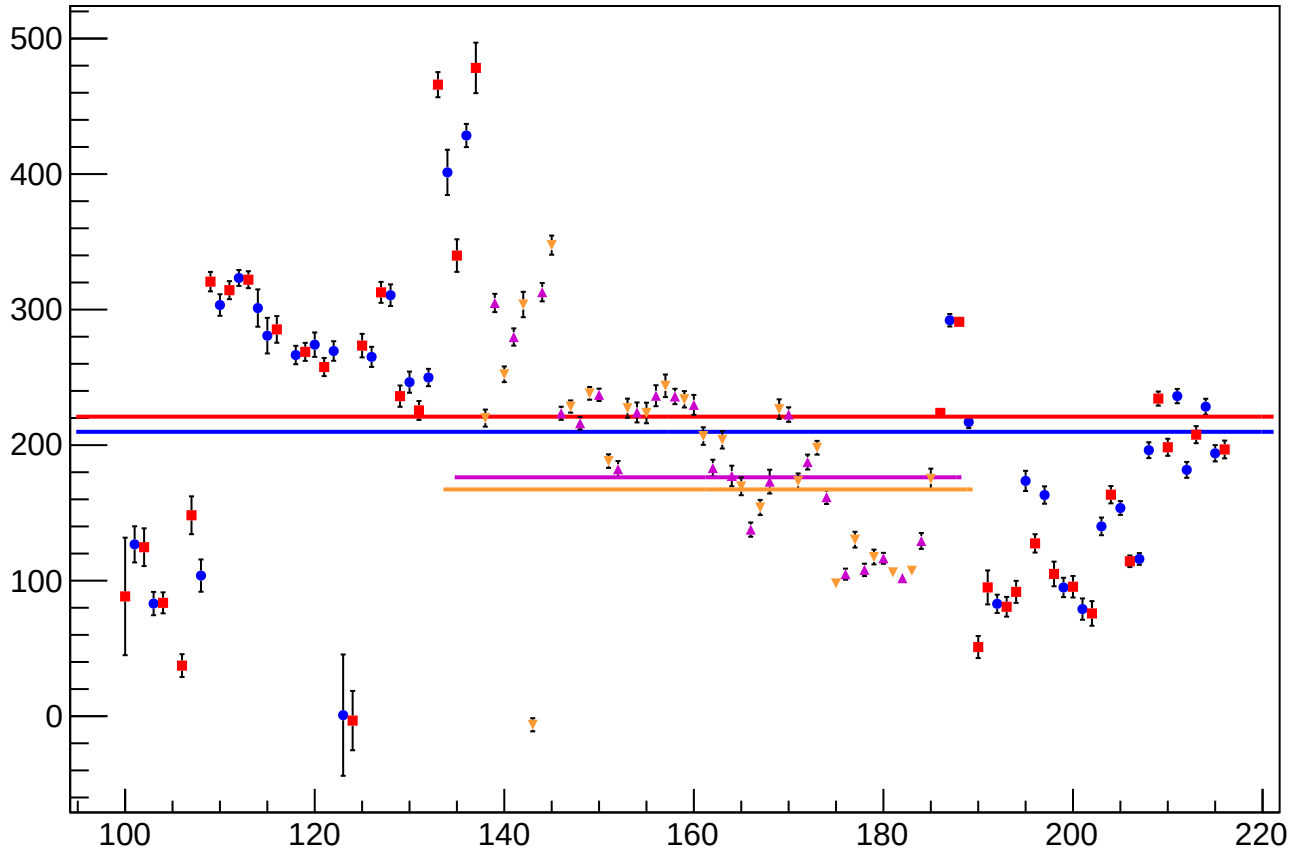
Left: 5.371+/-0.599 χ^2/NDF: 553.6/47

Right: 15.564+/-0.683 χ^2/NDF: 997.1/66

In: 9.264+/-0.652 χ^2/NDF:819.9/54

Out: 10.302+/-0.623 χ^2/NDF:855.3/59

All: 9.807+/-0.450 χ^2/NDF: 1676.5/114



Right In: 209.822+/-1.201 χ^2/NDF: 4260.8/31

Left Out: 167.327+/-1.082 χ^2/NDF:4454.5/24

Right Out: 220.998+/-1.092 χ^2/NDF: 6609.7/34

Left In: 176.272+/-1.106 χ^2/NDF:3169.5/22

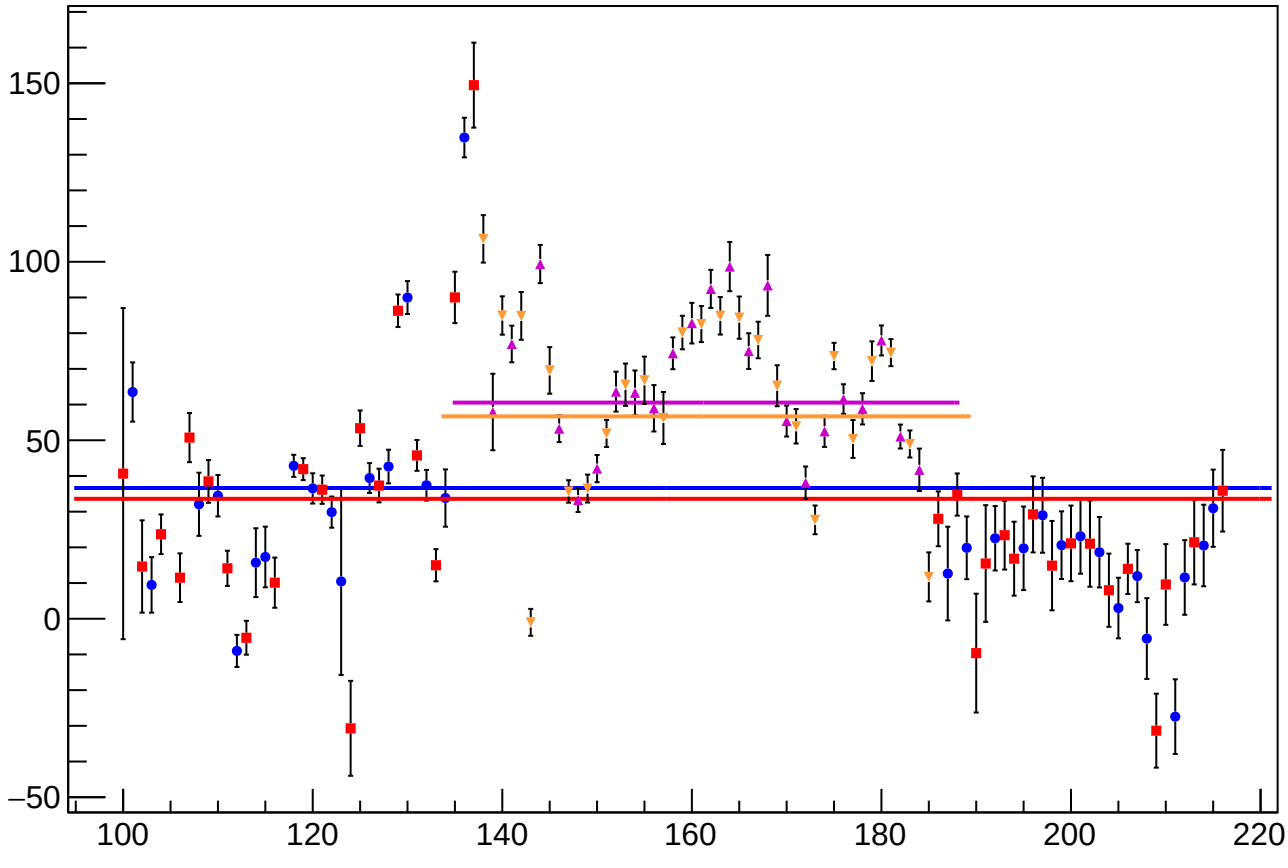
Left: 171.704+/-0.774 χ^2/NDF: 7657.4/47

Right: 215.942+/-0.808 χ^2/NDF: 10917.9/66

In: 191.661+/-0.814 χ^2/NDF:7852.6/54

Out: 193.936+/-0.769 χ^2/NDF:12282.9/59

All: 192.863+/-0.559 χ^2/NDF: 20139.6/114



Right In: 36.629+/-1.142 χ^2/NDF: 698.9/31

Left Out: 56.695+/-0.952 χ^2/NDF:690.4/24

Right Out: 33.601+/-1.105 χ^2/NDF: 555.6/34

Left In: 60.555+/-0.990 χ^2/NDF:335.6/22

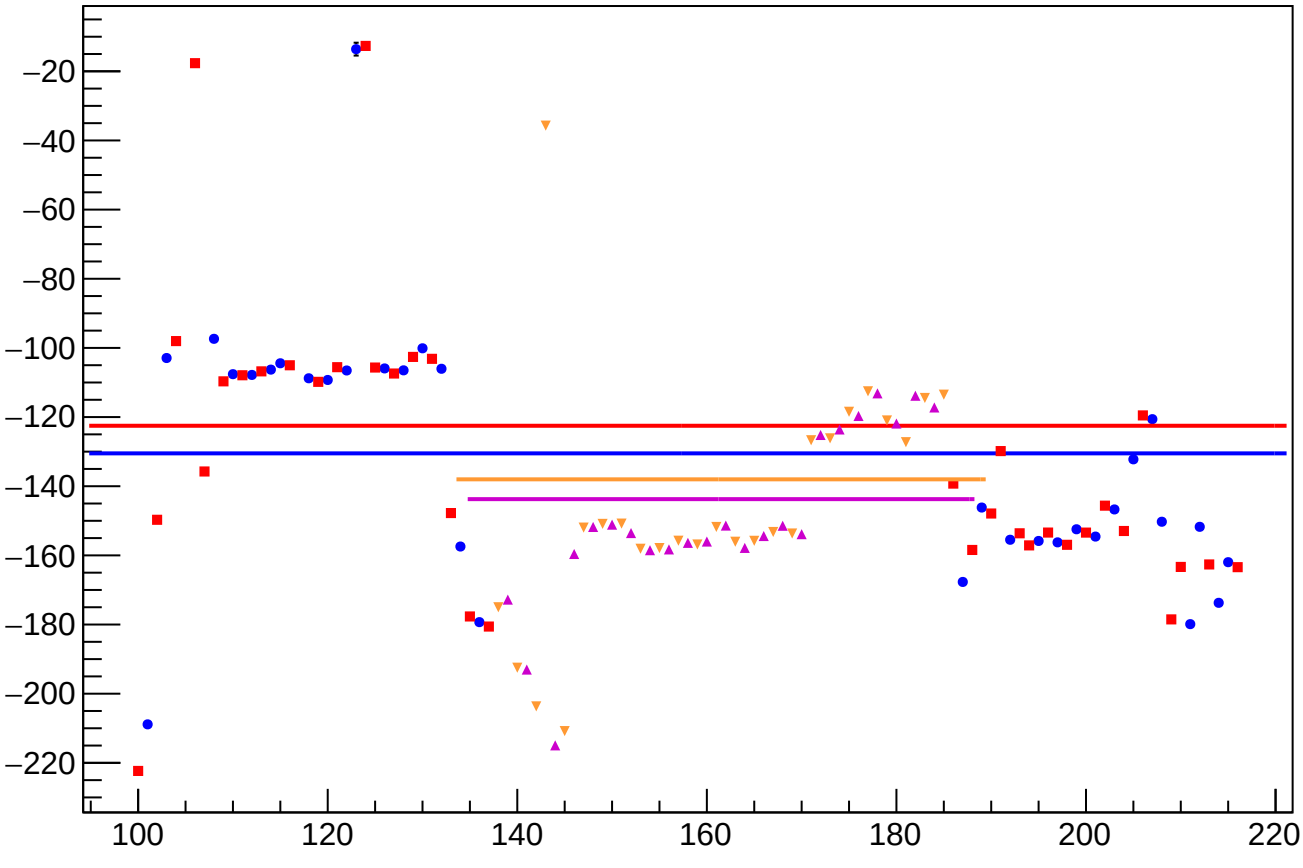
Left: 58.548+/-0.686 χ^2/NDF: 1034.0/47

Right: 35.065+/-0.794 χ^2/NDF: 1258.1/66

In: 50.290+/-0.748 χ^2/NDF:1285.0/54

Out: 46.857+/-0.721 χ^2/NDF:1496.8/59

All: 48.510+/-0.519 χ^2/NDF: 2792.7/114



Right In: -130.496+/-0.061 χ^2/NDF: 229377.0/31

Left Out: -138.008+/-0.045 χ^2/NDF:565767.2/24

Right Out: -122.512+/-0.057 χ^2/NDF: 484656.9/34

Left In: -143.735+/-0.046 χ^2/NDF:258408.3/22

Left: -140.811+/-0.032 χ^2/NDF: 832055.2/47

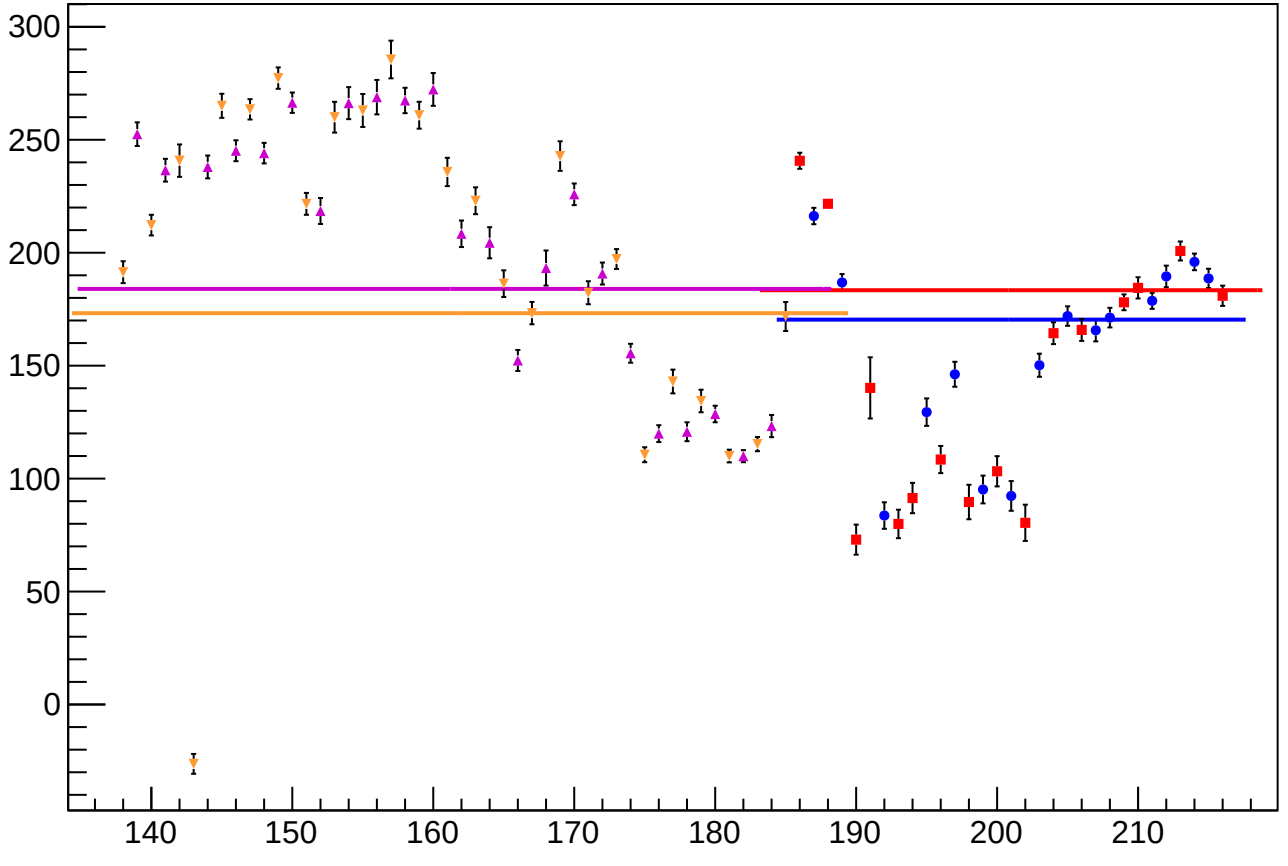
Right: -126.278+/-0.042 χ^2/NDF: 723137.7/66

In: -138.904+/-0.037 χ^2/NDF:517884.4/54

Out: -132.097+/-0.035 χ^2/NDF:1095400.9/59

All: -135.383+/-0.026 χ^2/NDF: 1631040.2/11

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 170.378+/-1.175 χ^2/NDF: 857.1/14

Left Out: 173.229+/-0.966 χ^2/NDF:5846.0/24

Right Out: 183.396+/-1.089 χ^2/NDF: 2086.7/15

Left In: 183.984+/-0.991 χ^2/NDF:3613.7/22

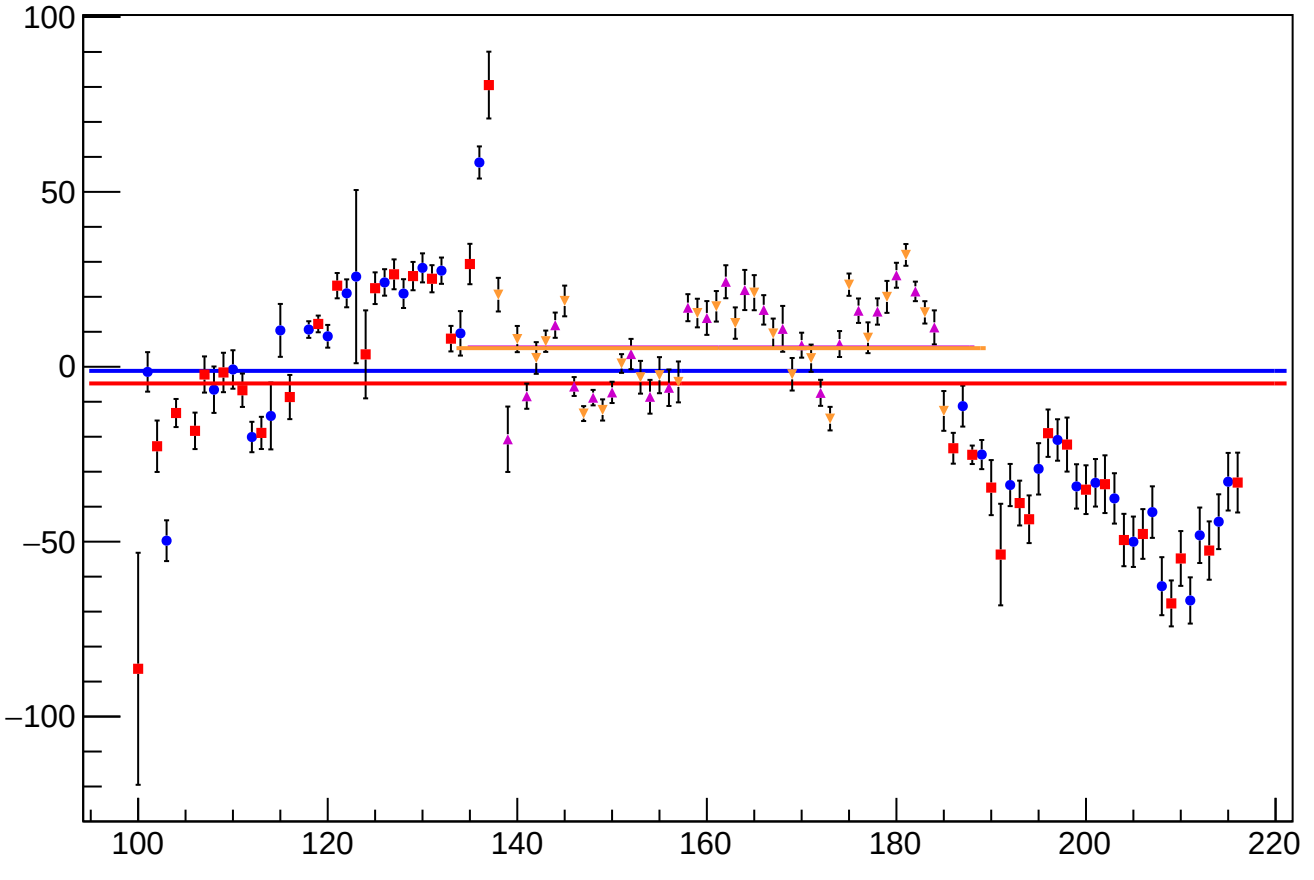
Left: 178.467+/-0.692 χ^2/NDF: 9520.1/47

Right: 177.382+/-0.799 χ^2/NDF: 3009.9/30

In: 178.329+/-0.758 χ^2/NDF:4549.1/37

Out: 177.705+/-0.722 χ^2/NDF:7981.5/40

All: 178.002+/-0.523 χ^2/NDF: 12531.0/78



Right In: -1.173+/-0.908 χ^2/NDF: 987.8/31

Left Out: 5.321+/-0.747 χ^2/NDF:345.5/24

Right Out: -4.767+/-0.861 χ^2/NDF: 931.6/34

Left In: 5.527+/-0.781 χ^2/NDF:256.3/22

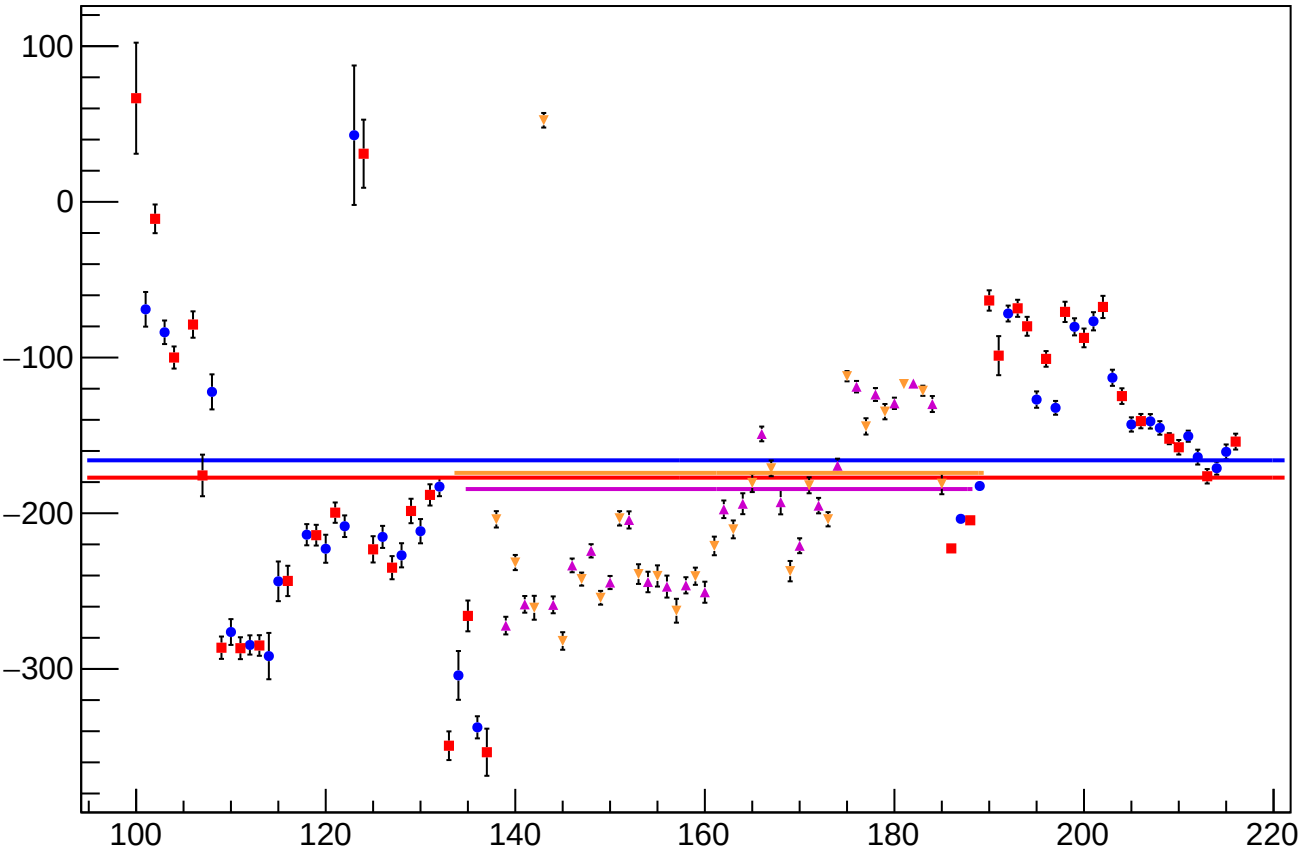
Left: 5.420+/-0.540 χ^2/NDF: 601.9/47

Right: -3.066+/-0.625 χ^2/NDF: 1927.7/66

In: 2.678+/-0.592 χ^2/NDF:1275.4/54

Out: 0.986+/-0.564 χ^2/NDF:1355.5/59

All: 1.791+/-0.408 χ^2/NDF: 2635.2/114



Right In: -166.009+/-0.974 χ^2/NDF: 3143.0/31

Left Out: -174.061+/-0.971 χ^2/NDF:5443.3/24

Right Out: -177.130+/-0.865 χ^2/NDF: 5004.7/34

Left In: -184.456+/-0.991 χ^2/NDF:3051.6/22

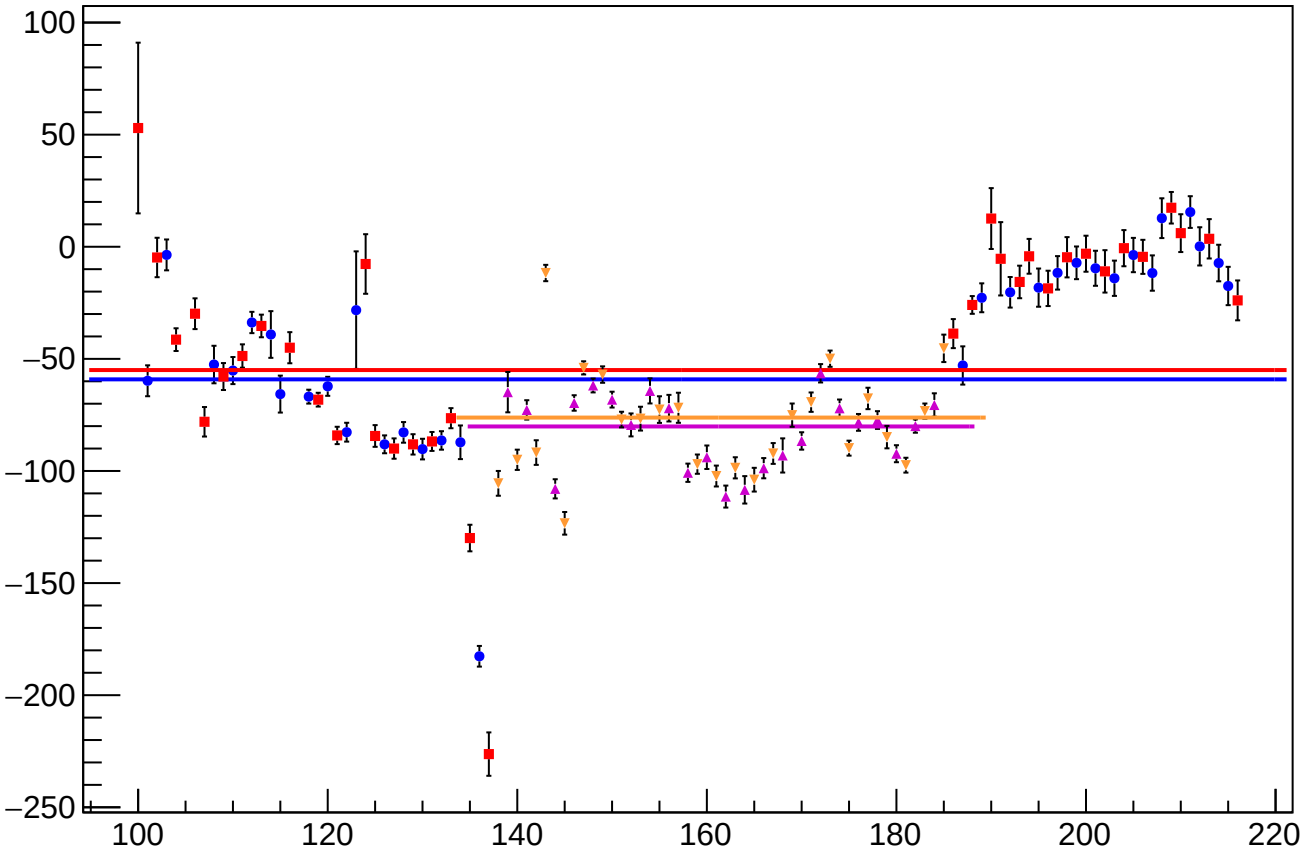
Left: -179.154+/-0.693 χ^2/NDF: 8551.0/47

Right: -172.224+/-0.647 χ^2/NDF: 8220.6/66

In: -175.078+/-0.695 χ^2/NDF:6370.9/54

Out: -175.771+/-0.646 χ^2/NDF:10453.5/59

All: -175.450+/-0.473 χ^2/NDF: 16825.0/114



Right In: -59.142+/-1.053 χ^2/NDF: 1668.7/31

Left Out: -76.182+/-0.857 χ^2/NDF:801.0/24

Right Out: -54.990+/-1.018 χ^2/NDF: 1470.2/34

Left In: -80.149+/-0.889 χ^2/NDF:283.3/22

Left: -78.094+/-0.617 χ^2/NDF: 1094.6/47

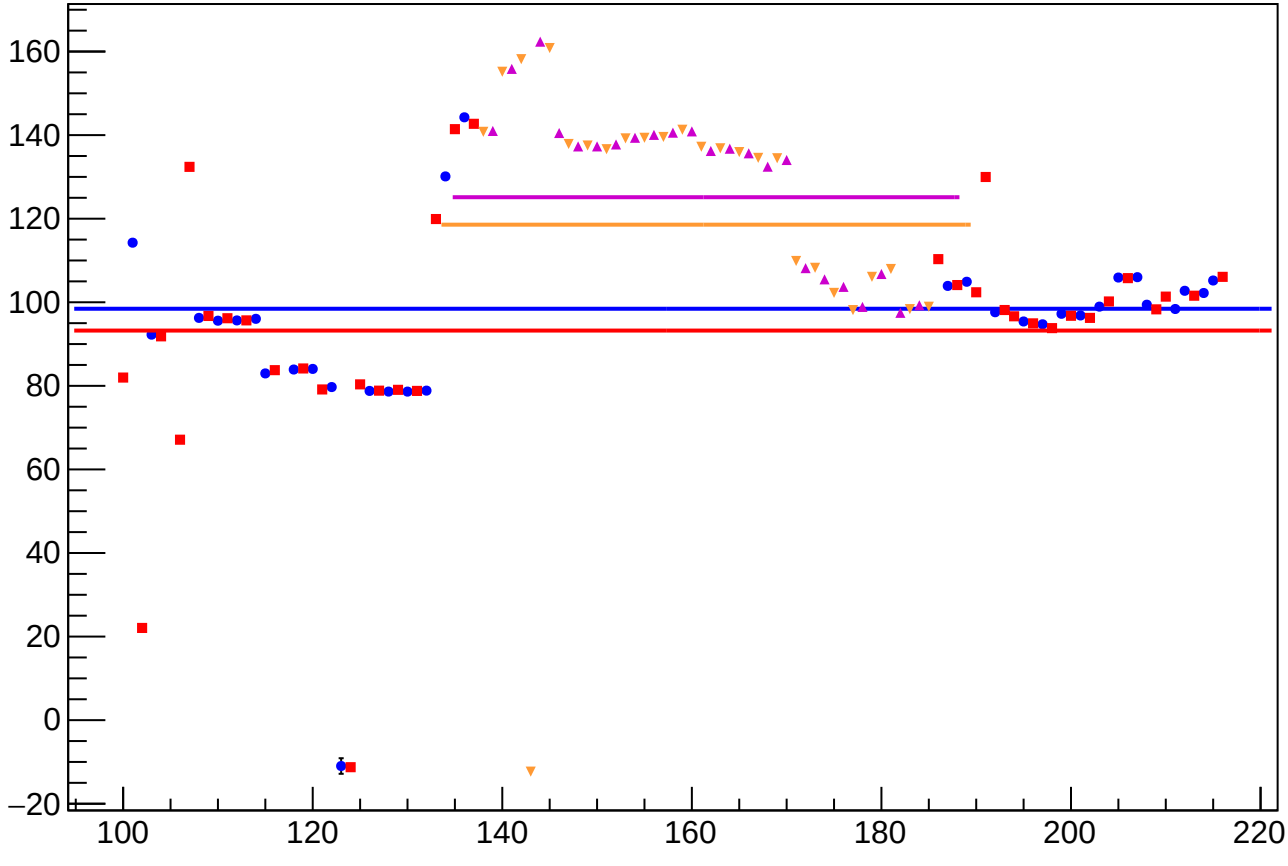
Right: -56.996+/-0.732 χ^2/NDF: 3147.0/66

In: -71.406+/-0.679 χ^2/NDF:2184.4/54

Out: -67.389+/-0.656 χ^2/NDF:2524.8/59

All: -69.327+/-0.472 χ^2/NDF: 4727.3/114

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.448+/-0.053 χ^2/NDF: 96529.7/31

Left Out: 118.569+/-0.040 χ^2/NDF:728689.7/24

Right Out: 93.230+/-0.050 χ^2/NDF: 244972.5/34

Left In: 125.139+/-0.041 χ^2/NDF:220927.1/22

Left: 121.790+/-0.029 χ^2/NDF: 962526.8/47

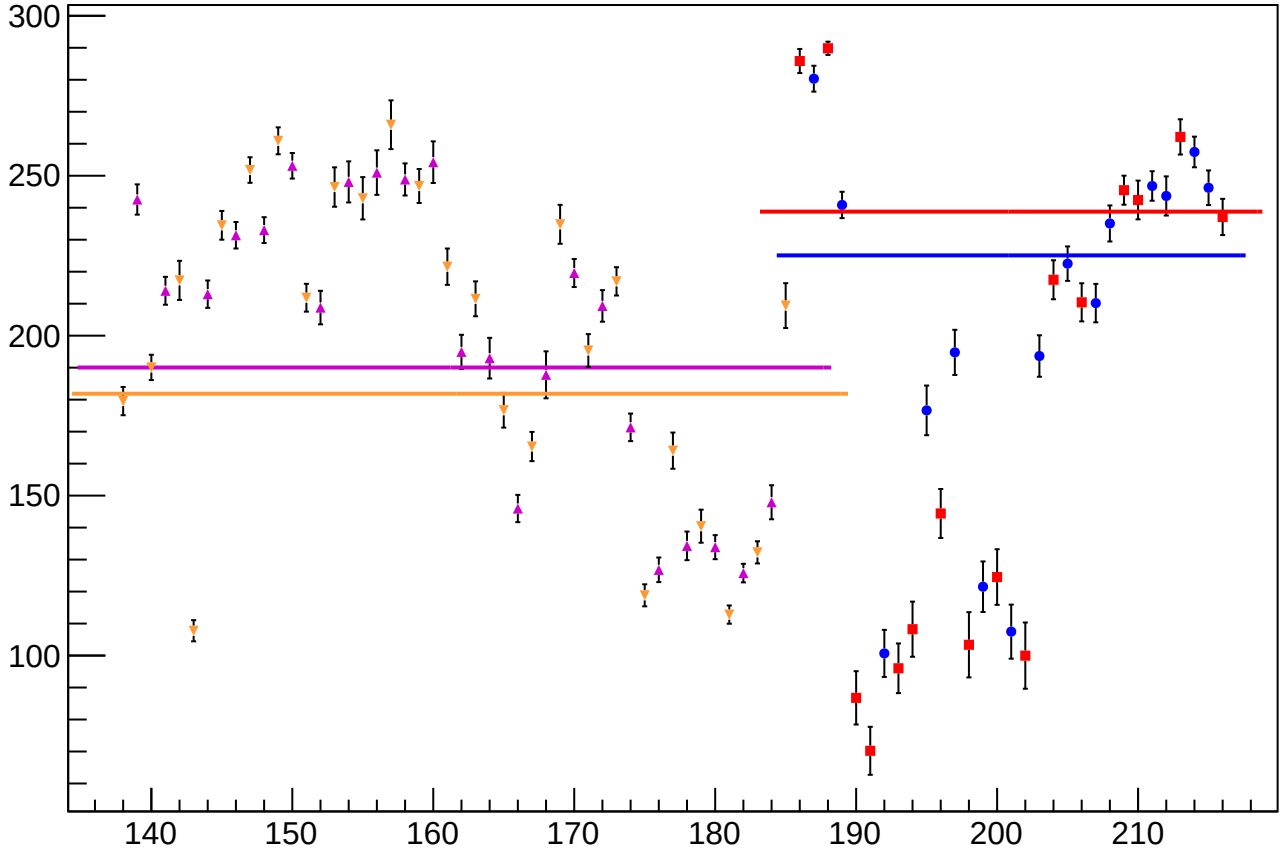
Right: 95.690+/-0.036 χ^2/NDF: 346644.1/66

In: 115.039+/-0.033 χ^2/NDF:475641.8/54

Out: 108.526+/-0.031 χ^2/NDF:1128866.6/59

All: 111.672+/-0.023 χ^2/NDF: 1625207.9/114

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 225.098+/-1.452 χ^2/NDF: 1035.0/14

Left Out: 181.850+/-0.913 χ^2/NDF:3303.4/24

Right Out: 238.777+/-1.279 χ^2/NDF: 2907.3/15

Left In: 190.048+/-0.953 χ^2/NDF:2438.4/22

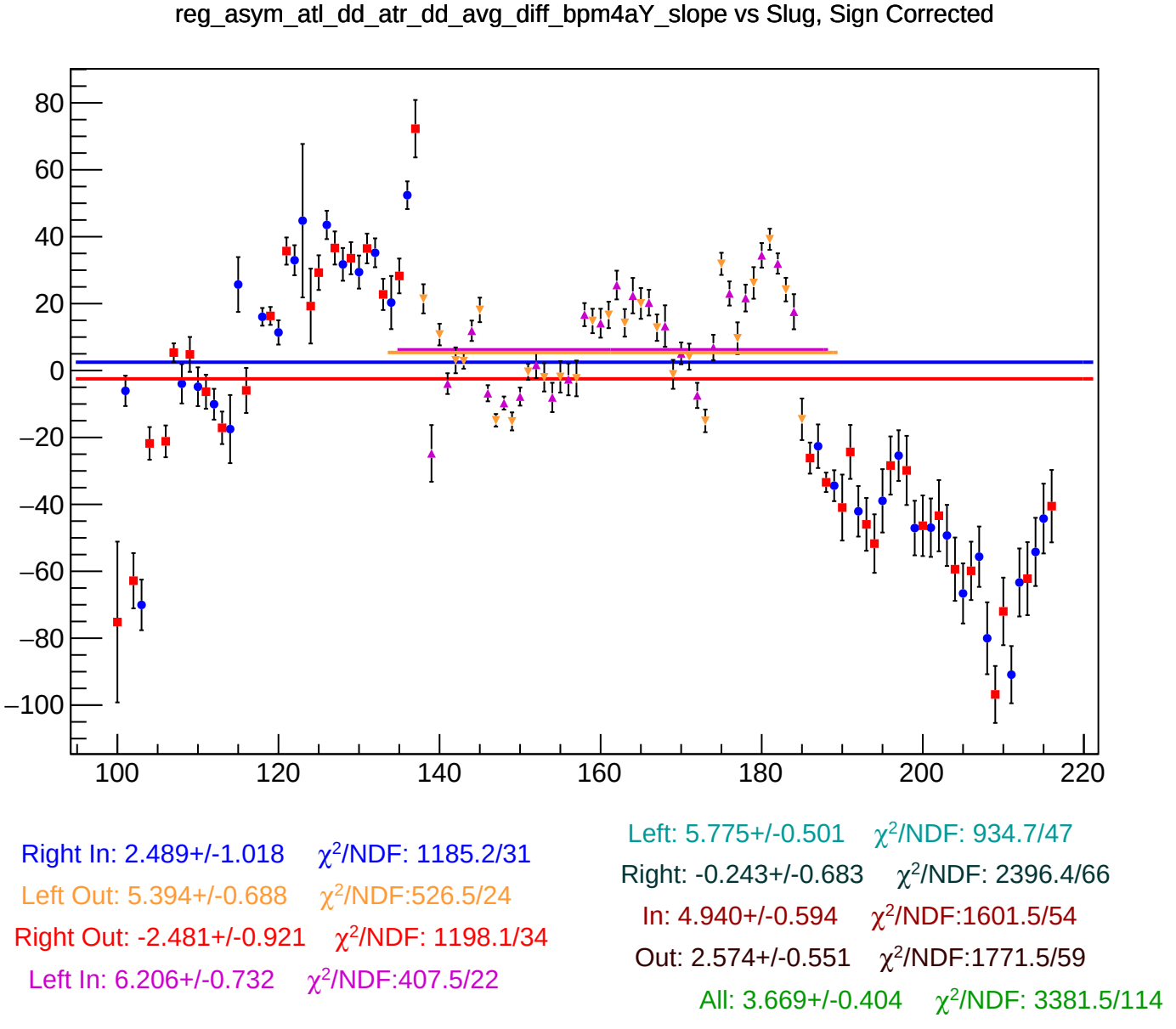
Left: 185.775+/-0.659 χ^2/NDF: 5780.3/47

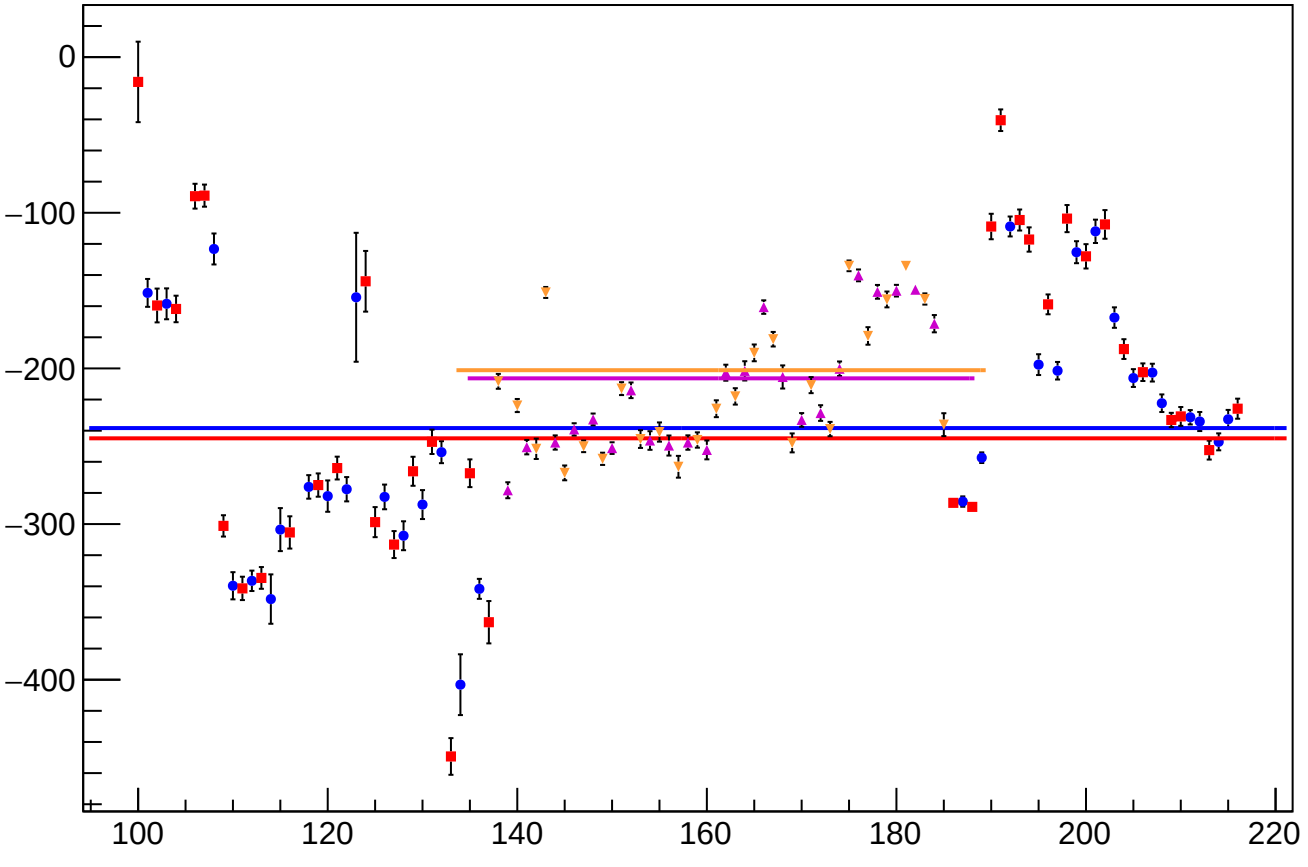
Right: 232.799+/-0.960 χ^2/NDF: 3992.3/30

In: 200.595+/-0.797 χ^2/NDF:3880.6/37

Out: 201.067+/-0.743 χ^2/NDF:7522.0/40

All: 200.847+/-0.544 χ^2/NDF: 11402.8/78


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
220
Right In: 2.489+/-1.018 χ²/NDF: 1185.2/31
Left Out: 5.394+/-0.688 χ²/NDF:526.5/24
Right Out: -2.481+/-0.921 χ²/NDF: 1198.1/34
Left In: 6.206+/-0.732 χ²/NDF:407.5/22
Left: 5.775+/-0.501 χ²/NDF: 934.7/47
Right: -0.243+/-0.683 χ²/NDF: 2396.4/66
In: 4.940+/-0.594 χ²/NDF:1601.5/54
Out: 2.574+/-0.551 χ²/NDF:1771.5/59
All: 3.669+/-0.404 χ²/NDF: 3381.5/114



Right In: -238.328+/-1.154 χ^2/NDF: 2707.0/31

Left Out: -201.144+/-0.918 χ^2/NDF:2488.8/24

Right Out: -244.917+/-0.981 χ^2/NDF: 5845.6/34

Left In: -206.379+/-0.950 χ^2/NDF:2111.6/22

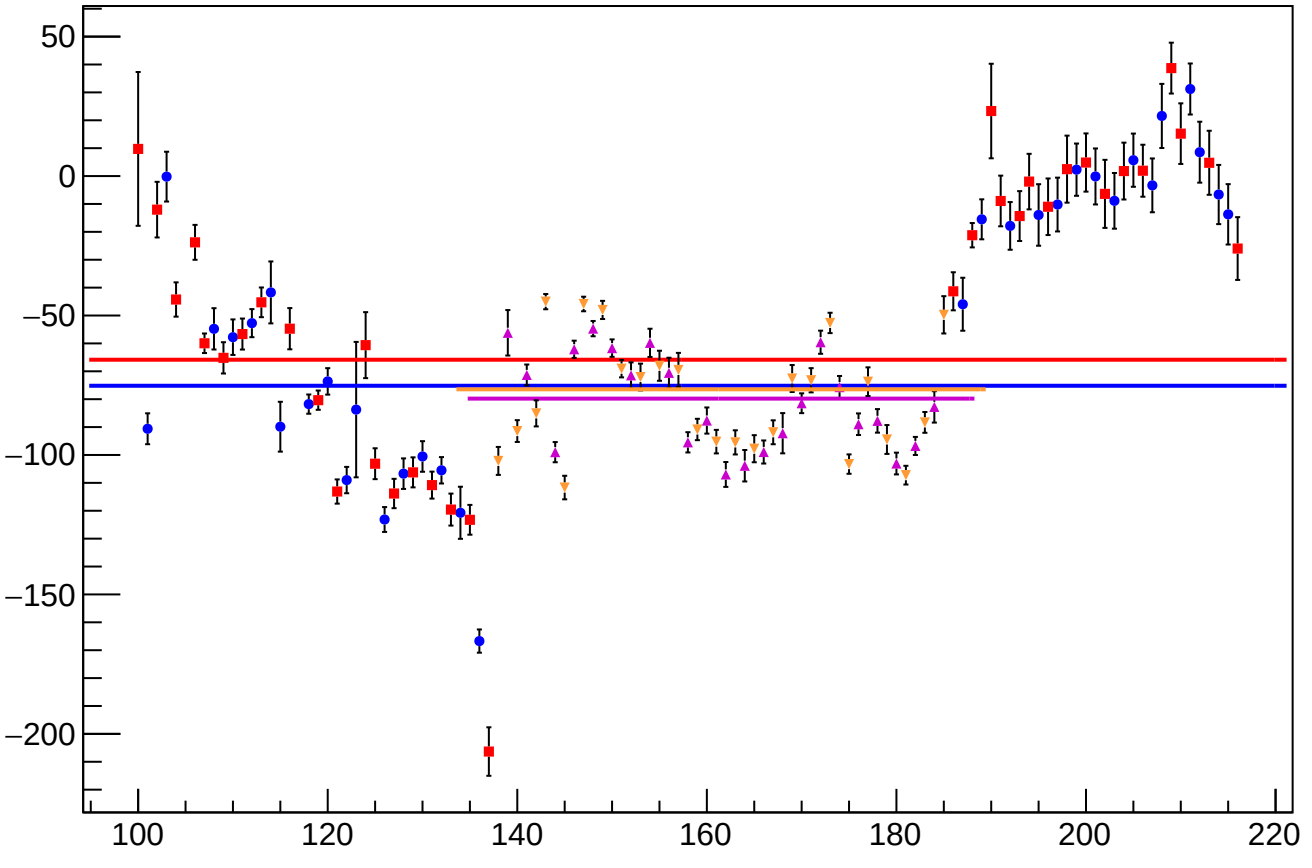
Left: -203.672+/-0.660 χ^2/NDF: 4616.1/47

Right: -242.153+/-0.747 χ^2/NDF: 8571.6/66

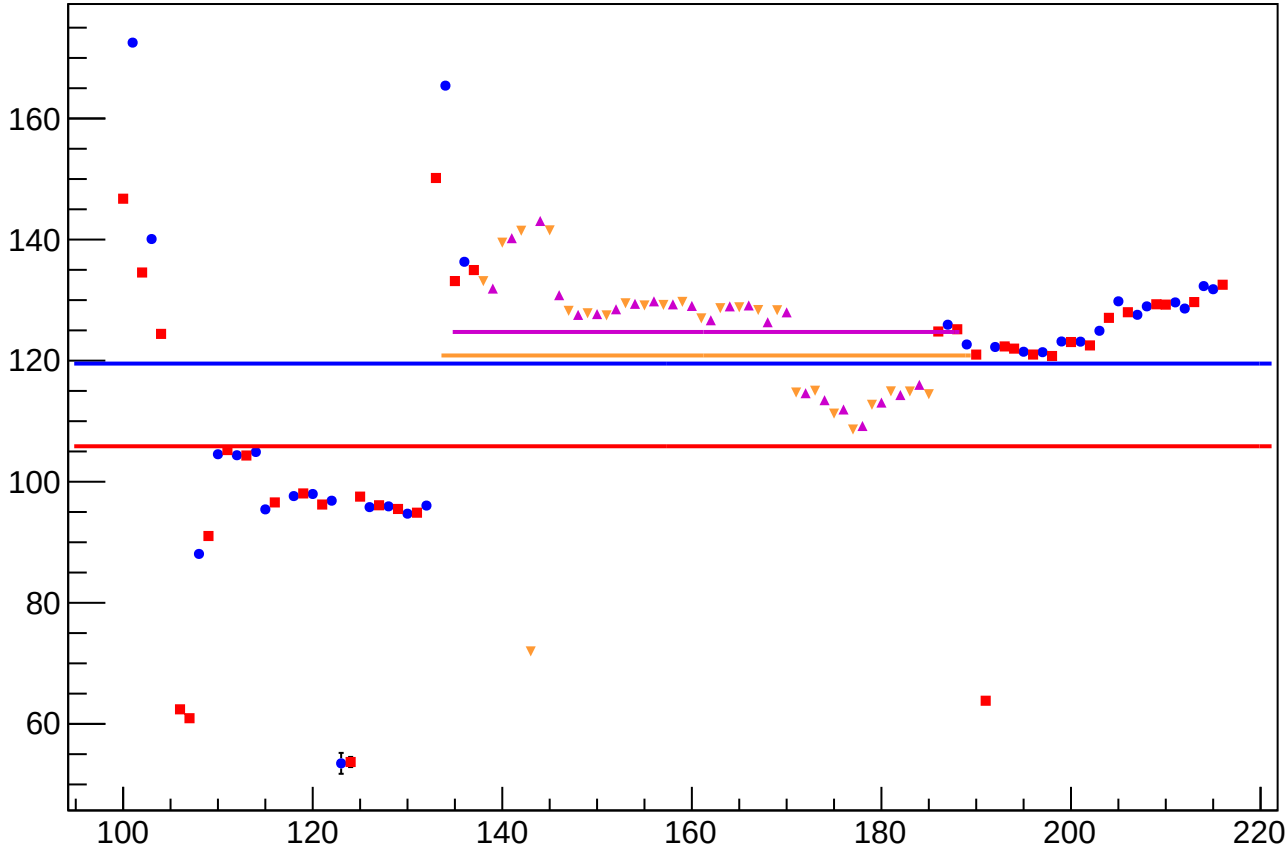
In: -219.280+/-0.733 χ^2/NDF:5275.7/54

Out: -221.578+/-0.670 χ^2/NDF:9396.2/59

All: -220.532+/-0.495 χ^2/NDF: 14677.2/114


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: -75.184+/-1.182 χ²/NDF: 1732.7/31
Left Out: -76.460+/-0.797 χ²/NDF:781.3/24
Right Out: -65.848+/-1.096 χ²/NDF: 1713.1/34
Left In: -79.792+/-0.840 χ²/NDF:412.3/22
Left: -78.038+/-0.578 χ²/NDF: 1201.9/47
Right: -70.163+/-0.804 χ²/NDF: 3479.4/66
In: -78.247+/-0.685 χ²/NDF:2155.1/54
Out: -72.790+/-0.644 χ²/NDF:2555.8/59
All: -75.353+/-0.469 χ²/NDF: 4744.5/114

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.516+/-0.061 χ^2/NDF: 111883.1/31

Left Out: 120.855+/-0.038 χ^2/NDF:182759.1/24

Right Out: 105.858+/-0.054 χ^2/NDF: 251870.2/34

Left In: 124.738+/-0.039 χ^2/NDF:51298.3/22

Left: 122.737+/-0.027 χ^2/NDF: 239101.1/47

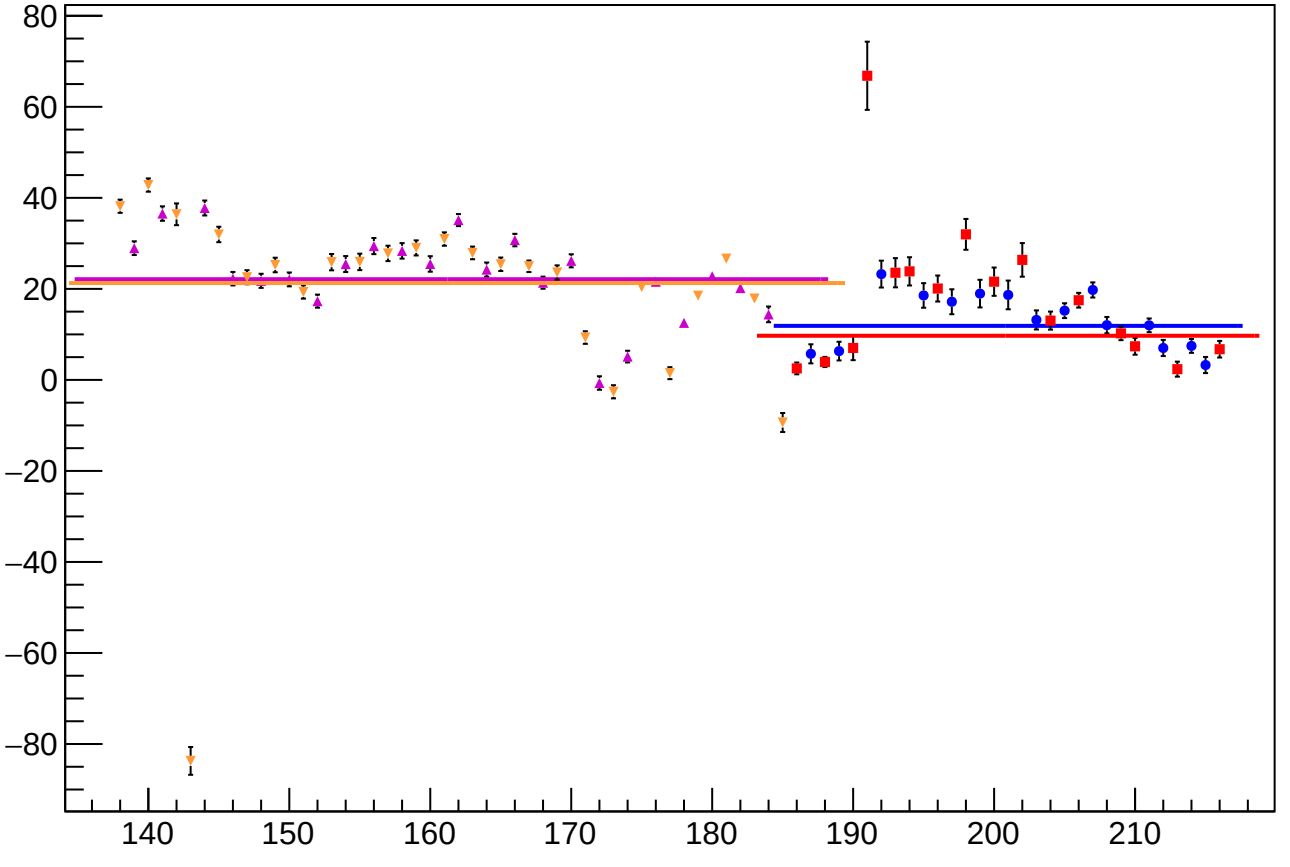
Right: 111.867+/-0.040 χ^2/NDF: 392053.5/66

In: 123.200+/-0.033 χ^2/NDF:168393.8/54

Out: 115.860+/-0.031 χ^2/NDF:486353.3/59

All: 119.314+/-0.023 χ^2/NDF: 680991.1/114

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 11.873+/-0.510 χ^2/NDF: 117.1/14

Left Out: 21.282+/-0.282 χ^2/NDF:2600.5/24

Right Out: 9.700+/-0.489 χ^2/NDF: 297.5/15

Left In: 22.127+/-0.285 χ^2/NDF:900.2/22

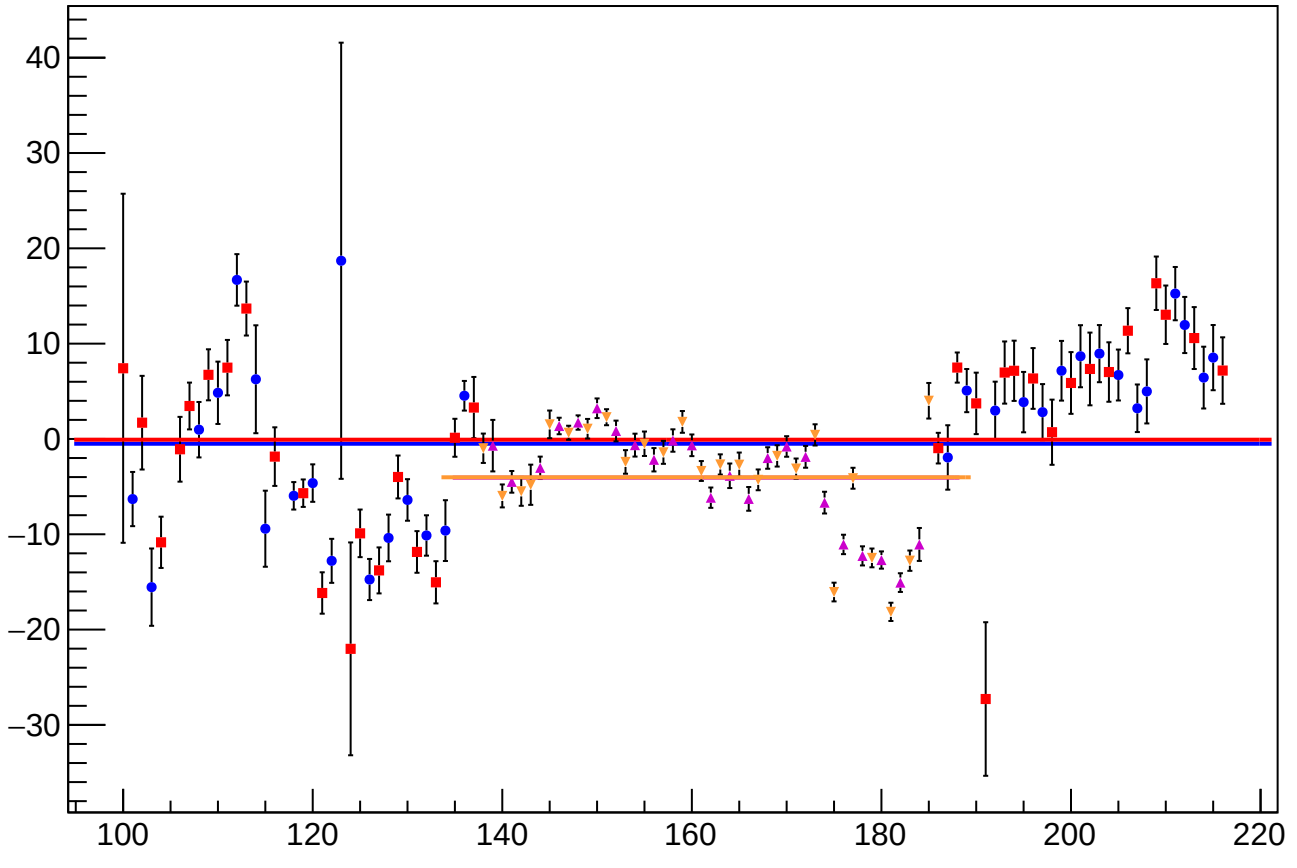
Left: 21.700+/-0.201 χ^2/NDF: 3505.2/47

Right: 10.739+/-0.353 χ^2/NDF: 424.1/30

In: 19.683+/-0.249 χ^2/NDF:1324.7/37

Out: 18.381+/-0.245 χ^2/NDF:3319.2/40

All: 19.020+/-0.175 χ^2/NDF: 4657.8/78



Right In: -0.502+/-0.466 χ^2/NDF: 329.9/31

Left Out: -4.022+/-0.223 χ^2/NDF:734.1/24

Right Out: -0.079+/-0.445 χ^2/NDF: 409.5/34

Left In: -4.059+/-0.228 χ^2/NDF:577.2/22

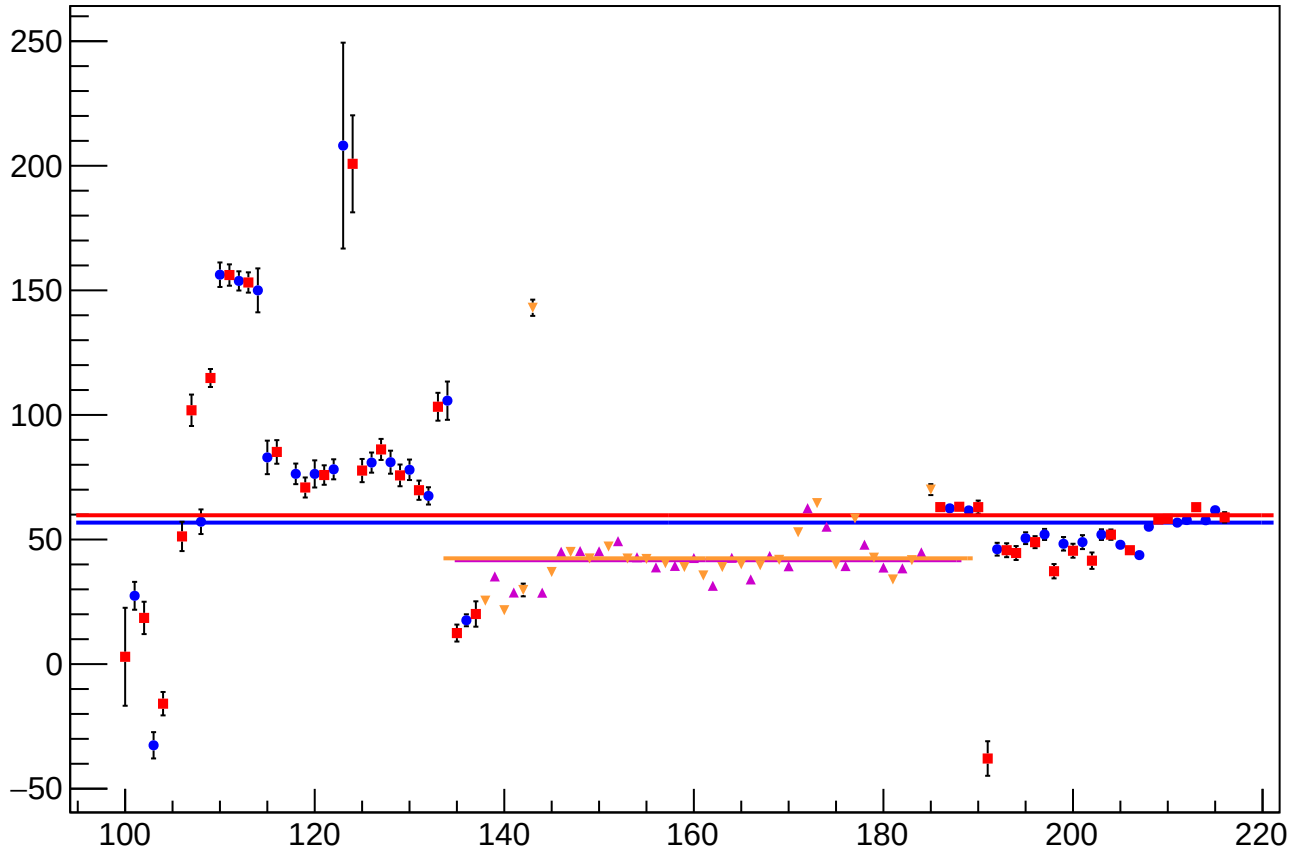
Left: -4.040+/-0.159 χ^2/NDF: 1311.4/47

Right: -0.281+/-0.322 χ^2/NDF: 739.8/66

In: -3.371+/-0.205 χ^2/NDF:954.2/54

Out: -3.229+/-0.199 χ^2/NDF:1206.4/59

All: -3.298+/-0.143 χ^2/NDF: 2160.8/114



Right In: 56.788+/-0.451 χ^2/NDF: 2142.3/31

Left Out: 42.452+/-0.282 χ^2/NDF:2016.0/24

Right Out: 59.733+/-0.412 χ^2/NDF: 2633.0/34

Left In: 41.695+/-0.284 χ^2/NDF:630.2/22

Left: 42.077+/-0.200 χ^2/NDF: 2649.8/47

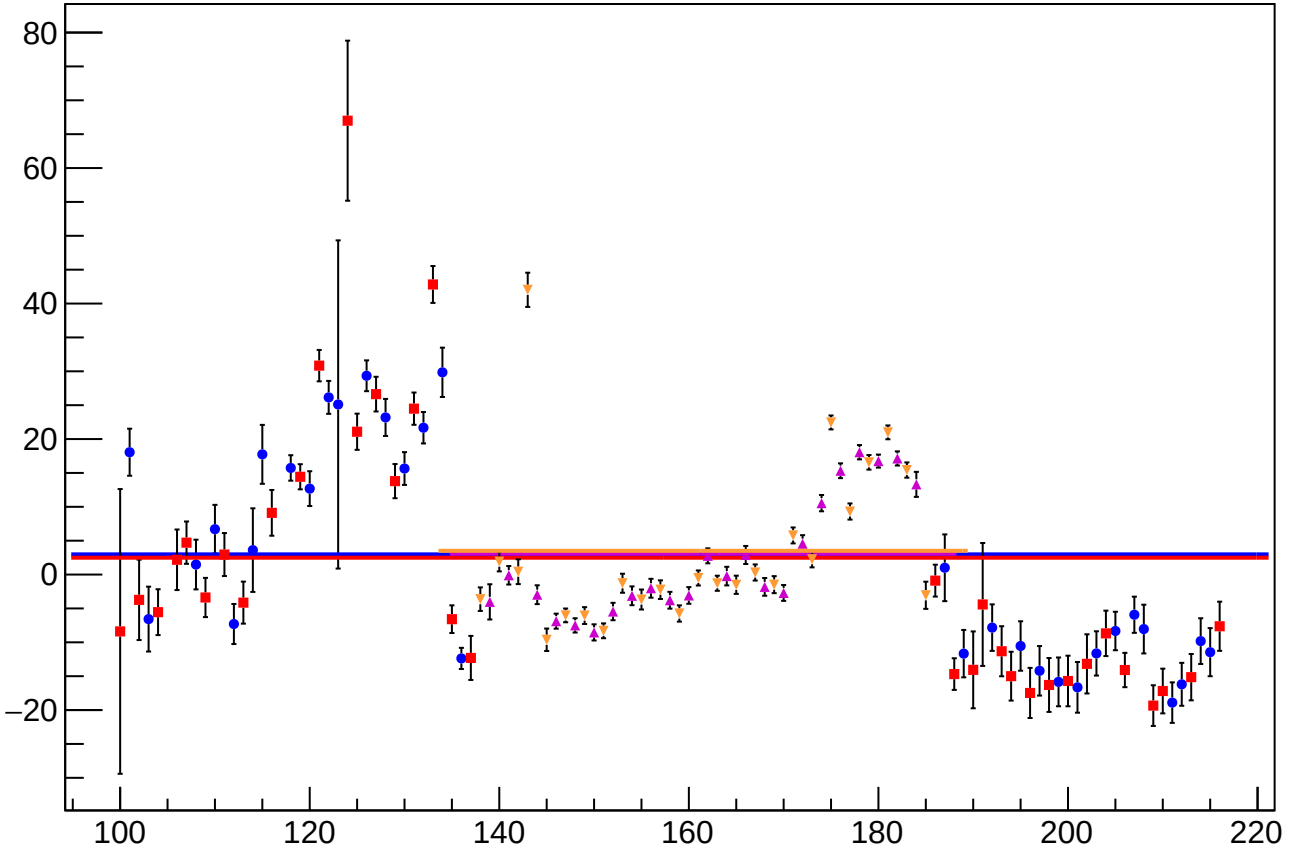
Right: 58.392+/-0.304 χ^2/NDF: 4798.5/66

In: 45.987+/-0.240 χ^2/NDF:3575.0/54

Out: 47.963+/-0.233 χ^2/NDF:5847.1/59

All: 47.007+/-0.167 χ^2/NDF: 9457.0/114

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.981+/-0.529 χ^2/NDF: 928.3/31

Left Out: 3.505+/-0.252 χ^2/NDF:1691.3/24

Right Out: 2.488+/-0.521 χ^2/NDF: 1111.1/34

Left In: 3.081+/-0.257 χ^2/NDF:1265.7/22

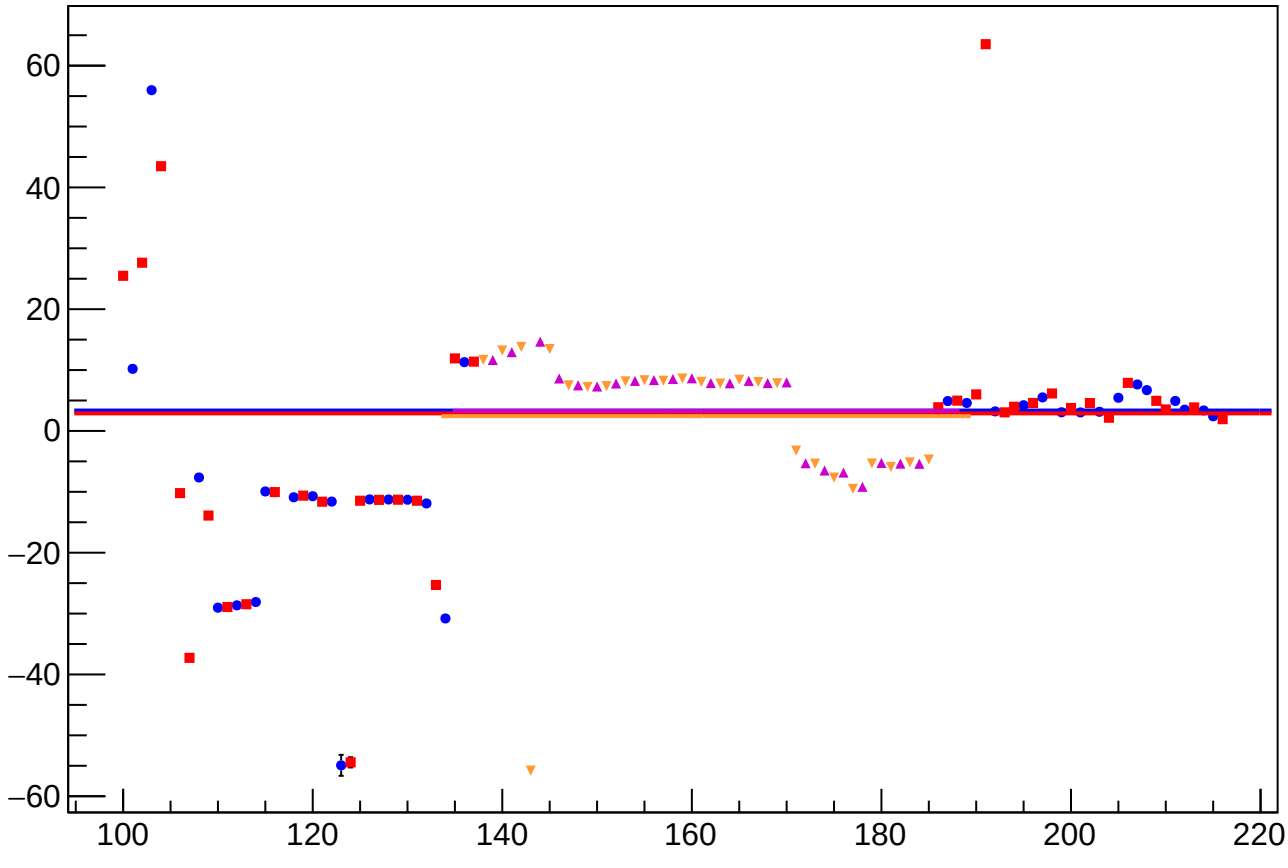
Left: 3.297+/-0.180 χ^2/NDF: 2958.4/47

Right: 2.731+/-0.371 χ^2/NDF: 2039.9/66

In: 3.062+/-0.231 χ^2/NDF:2194.1/54

Out: 3.312+/-0.227 χ^2/NDF:2805.5/59

All: 3.189+/-0.162 χ^2/NDF: 5000.2/114



Right In: 3.350+/-0.025 χ^2/NDF: 362423.6/31

Left Out: 2.425+/-0.012 χ^2/NDF:616382.5/24

Right Out: 2.884+/-0.025 χ^2/NDF: 434553.8/34

Left In: 3.293+/-0.012 χ^2/NDF:404323.8/22

Left: 2.855+/-0.008 χ^2/NDF: 1023497.1/47

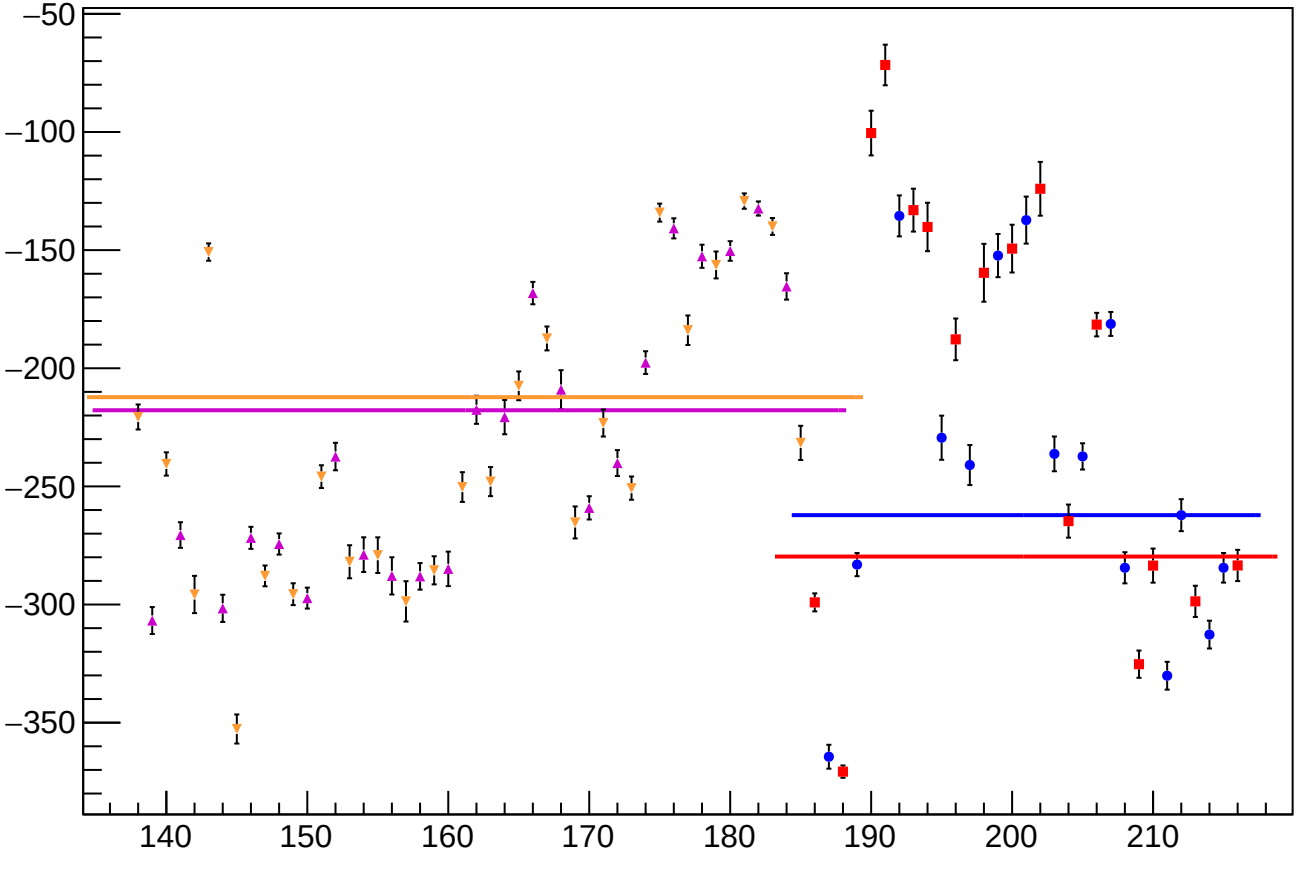
Right: 3.115+/-0.017 χ^2/NDF: 797155.1/66

In: 3.303+/-0.011 χ^2/NDF:766751.8/54

Out: 2.508+/-0.010 χ^2/NDF:1051222.3/59

All: 2.902+/-0.007 χ^2/NDF: 1820833.1/114

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.166+/-1.669 χ^2/NDF: 1478.5/14

Left Out: -212.231+/-1.029 χ^2/NDF:3875.4/24

Right Out: -279.690+/-1.483 χ^2/NDF: 3652.5/15

Left In: -217.779+/-1.067 χ^2/NDF:3448.9/22

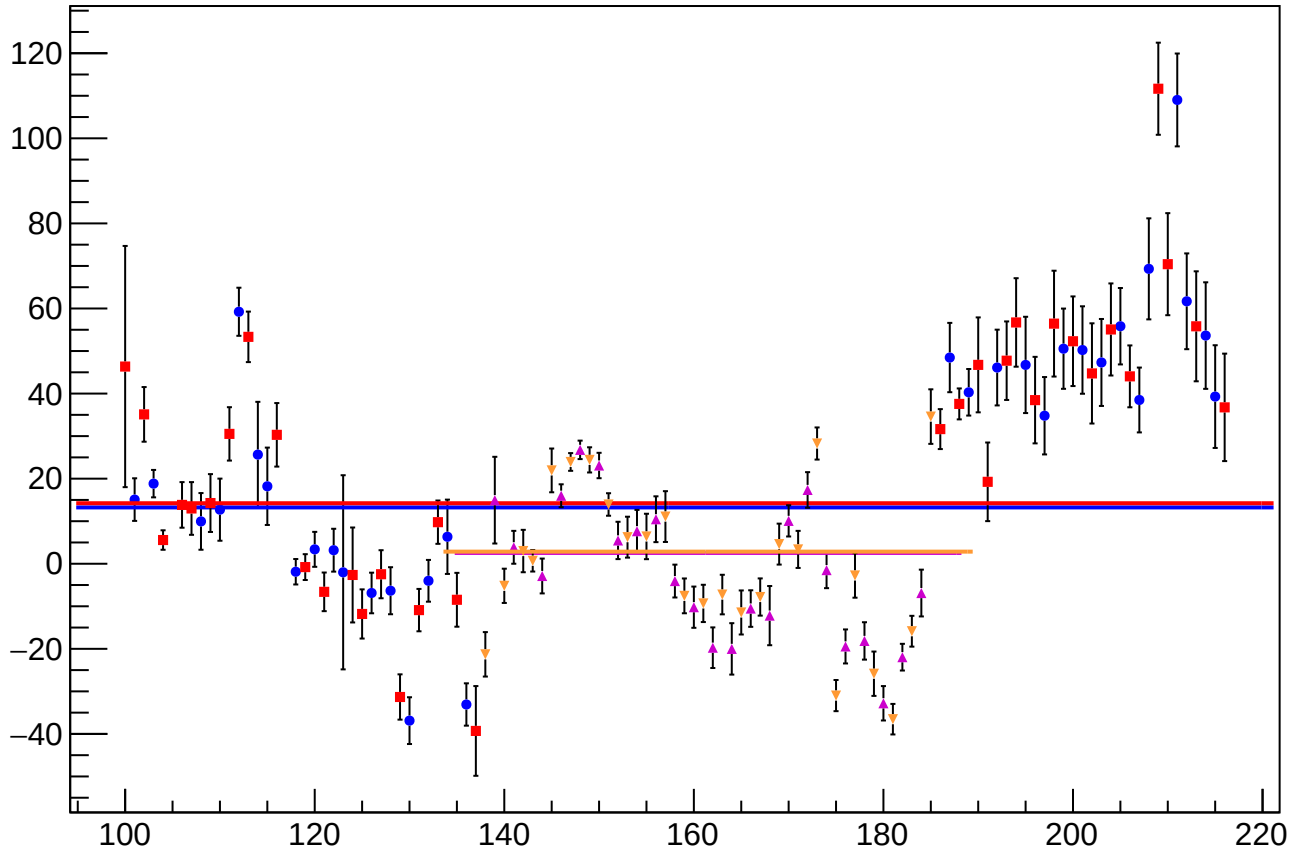
Left: -214.906+/-0.741 χ^2/NDF: 7338.3/47

Right: -271.953+/-1.109 χ^2/NDF: 5192.5/30

In: -230.659+/-0.899 χ^2/NDF:5429.8/37

Out: -234.156+/-0.846 χ^2/NDF:8923.6/40

All: -232.514+/-0.616 χ^2/NDF: 14361.4/78



Right In: 13.238+/-1.103 χ^2/NDF: 596.9/31

Left Out: 2.848+/-0.775 χ^2/NDF:582.1/24

Right Out: 14.224+/-1.003 χ^2/NDF: 574.0/34

Left In: 2.540+/-0.822 χ^2/NDF:473.6/22

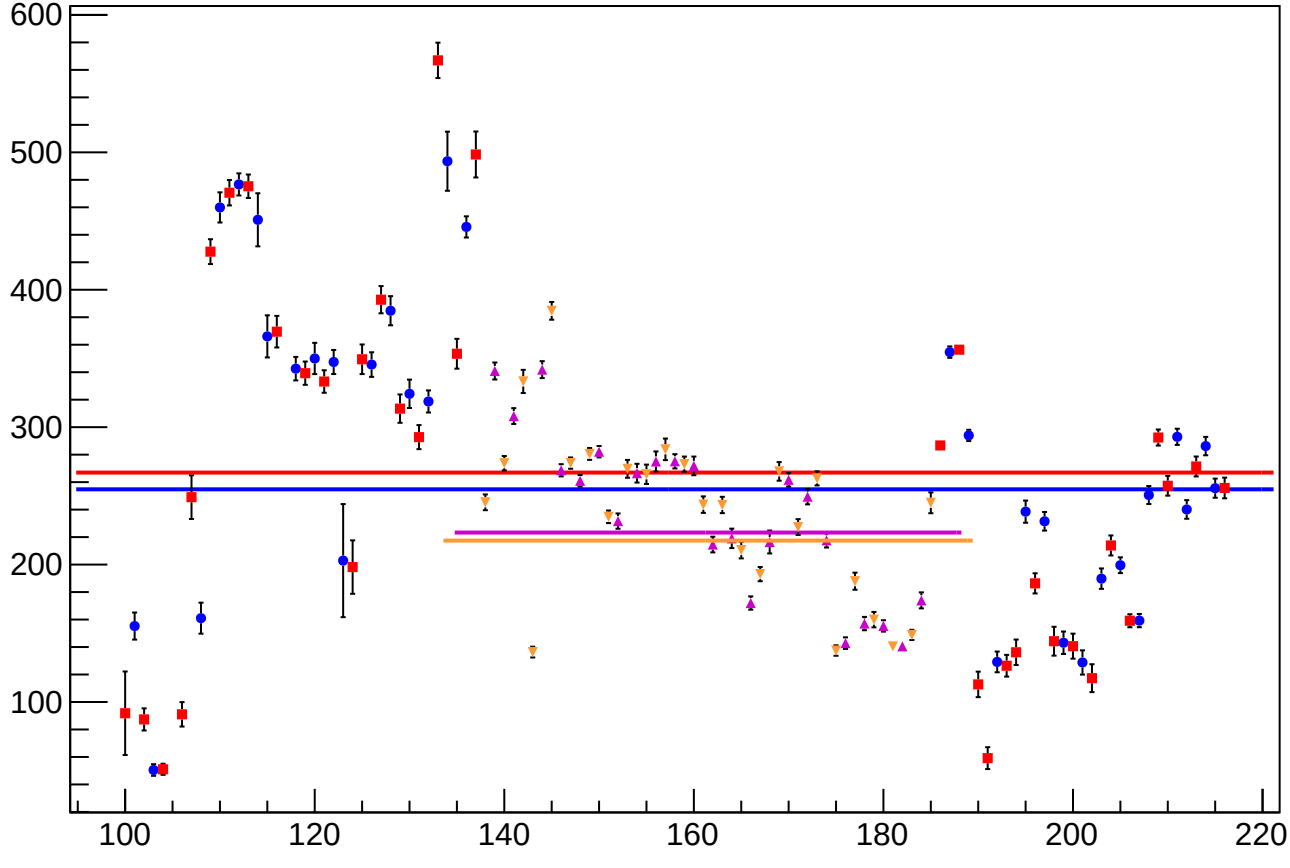
Left: 2.703+/-0.564 χ^2/NDF: 1055.8/47

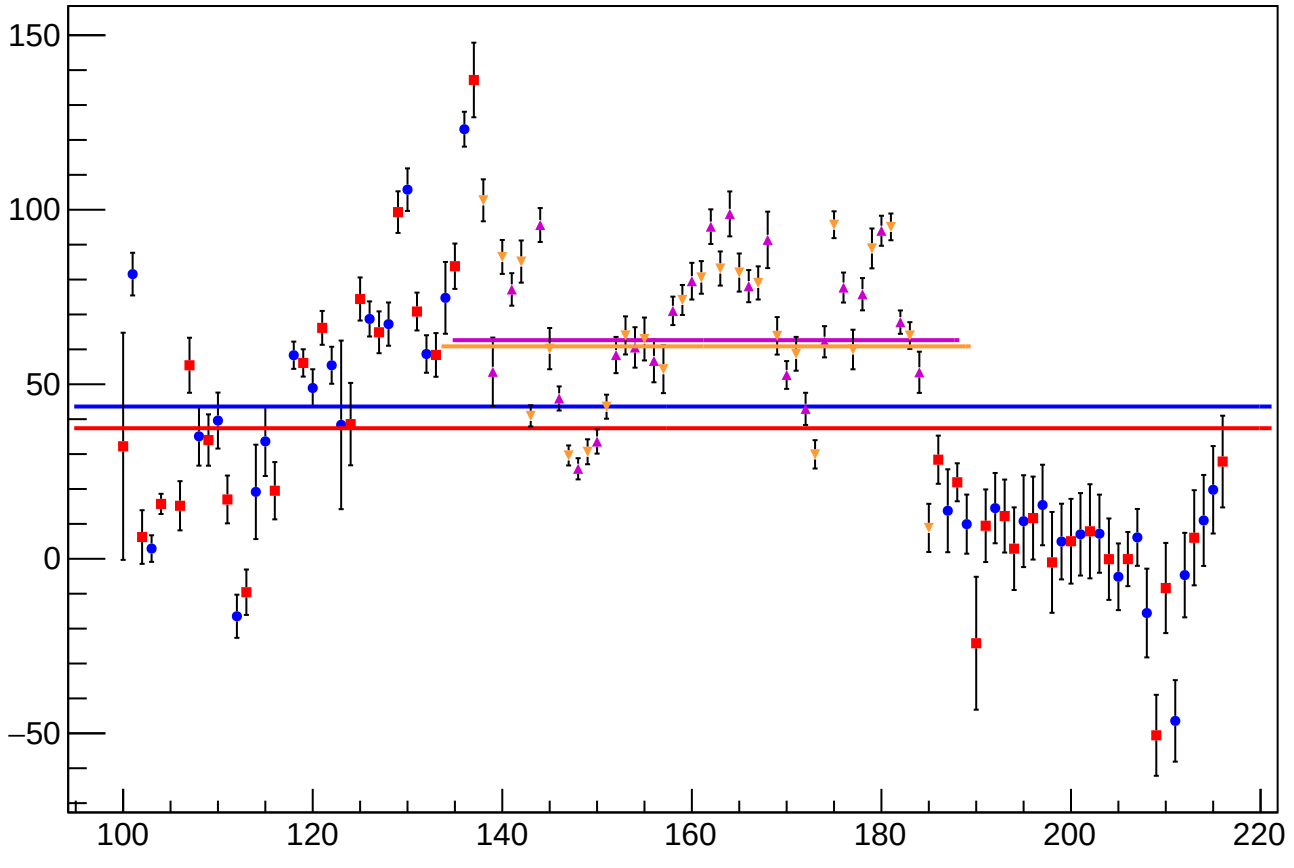
Right: 13.778+/-0.742 χ^2/NDF: 1171.3/66

In: 6.362+/-0.659 χ^2/NDF:1131.0/54

Out: 7.099+/-0.613 χ^2/NDF:1236.7/59

All: 6.758+/-0.449 χ^2/NDF: 2368.4/114


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
600
500
400
300
200
100
100
120
140
160
180
200
220
Right In: 254.774+/-1.277 χ²/NDF: 7140.8/31
Left Out: 217.484+/-1.032 χ²/NDF:3769.5/24
Right Out: 266.972+/-1.105 χ²/NDF: 11054.4/34
Left In: 223.309+/-1.062 χ²/NDF:3378.0/22
Left: 220.314+/-0.740 χ²/NDF: 7163.0/47
Right: 261.751+/-0.836 χ²/NDF: 18247.3/66
In: 236.166+/-0.817 χ²/NDF:10877.6/54
Out: 240.545+/-0.754 χ²/NDF:15894.7/59
All: 238.529+/-0.554 χ²/NDF: 26787.8/114



Right In: 43.624+/-1.282 χ^2/NDF: 916.1/31

Left Out: 60.863+/-0.897 χ^2/NDF:731.6/24

Right Out: 37.410+/-1.198 χ^2/NDF: 739.3/34

Left In: 62.640+/-0.943 χ^2/NDF:515.4/22

Left: 61.707+/-0.650 χ^2/NDF: 1248.9/47

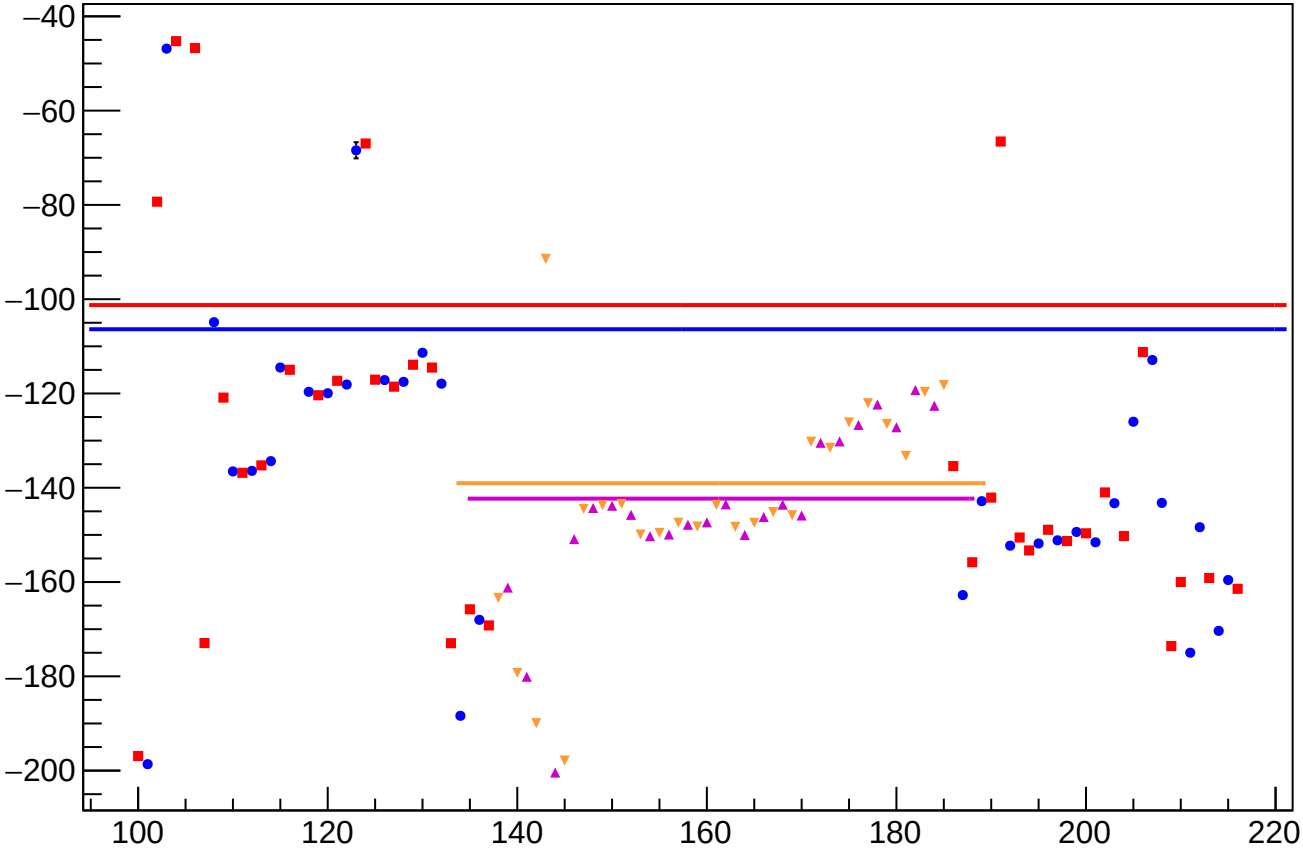
Right: 40.305+/-0.875 χ^2/NDF: 1667.9/66

In: 55.968+/-0.760 χ^2/NDF:1574.3/54

Out: 52.439+/-0.718 χ^2/NDF:1716.6/59

All: 54.104+/-0.522 χ^2/NDF: 3302.3/114

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -106.374+/-0.057 χ^2/NDF: 737025.4/31

Left Out: -139.040+/-0.043 χ^2/NDF:258113.4/24

Right Out: -101.248+/-0.054 χ^2/NDF: 771378.3/34

Left In: -142.305+/-0.044 χ^2/NDF:143351.8/22

Left: -140.627+/-0.031 χ^2/NDF: 404285.9/47

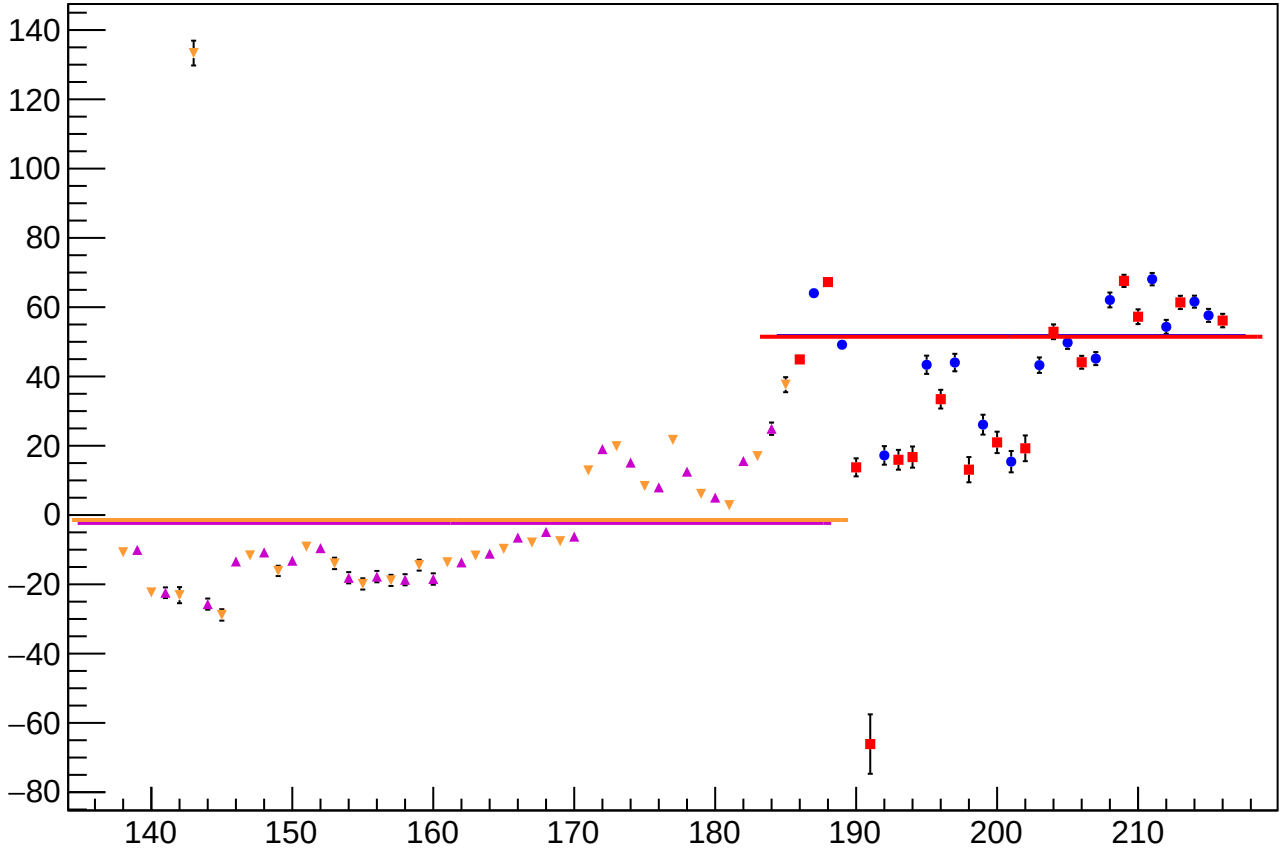
Right: -103.674+/-0.039 χ^2/NDF: 1512619.5/66

In: -128.947+/-0.035 χ^2/NDF:1127418.7/54

Out: -124.531+/-0.034 χ^2/NDF:1327843.8/59

All: -126.656+/-0.024 χ^2/NDF: 2463550.5/11

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 51.663+/-0.511 χ^2/NDF: 663.4/14

Left Out: -1.427+/-0.268 χ^2/NDF:4339.0/24

Right Out: 51.469+/-0.432 χ^2/NDF: 1621.1/15

Left In: -2.270+/-0.271 χ^2/NDF:2521.6/22

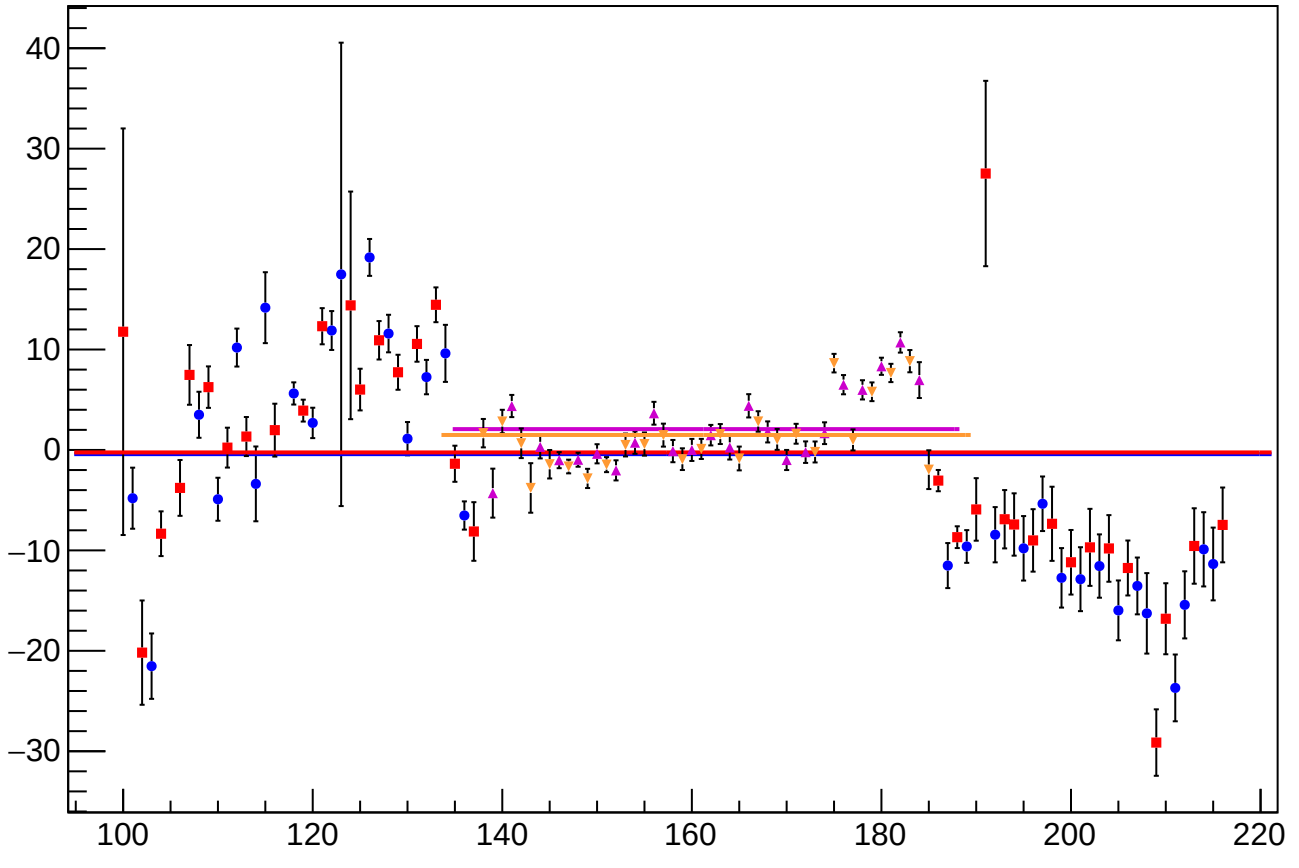
Left: -1.844+/-0.190 χ^2/NDF: 6865.5/47

Right: 51.550+/-0.330 χ^2/NDF: 2284.6/30

In: 9.550+/-0.239 χ^2/NDF:11882.4/37

Out: 13.265+/-0.227 χ^2/NDF:16810.2/40

All: 11.502+/-0.165 χ^2/NDF: 28819.3/78



Right In: -0.418+/-0.396 χ^2/NDF: 654.1/31

Left Out: 1.491+/-0.210 χ^2/NDF:259.1/24

Right Out: -0.246+/-0.367 χ^2/NDF: 548.0/34

Left In: 2.075+/-0.215 χ^2/NDF:274.6/22

Left: 1.776+/-0.150 χ^2/NDF: 537.4/47

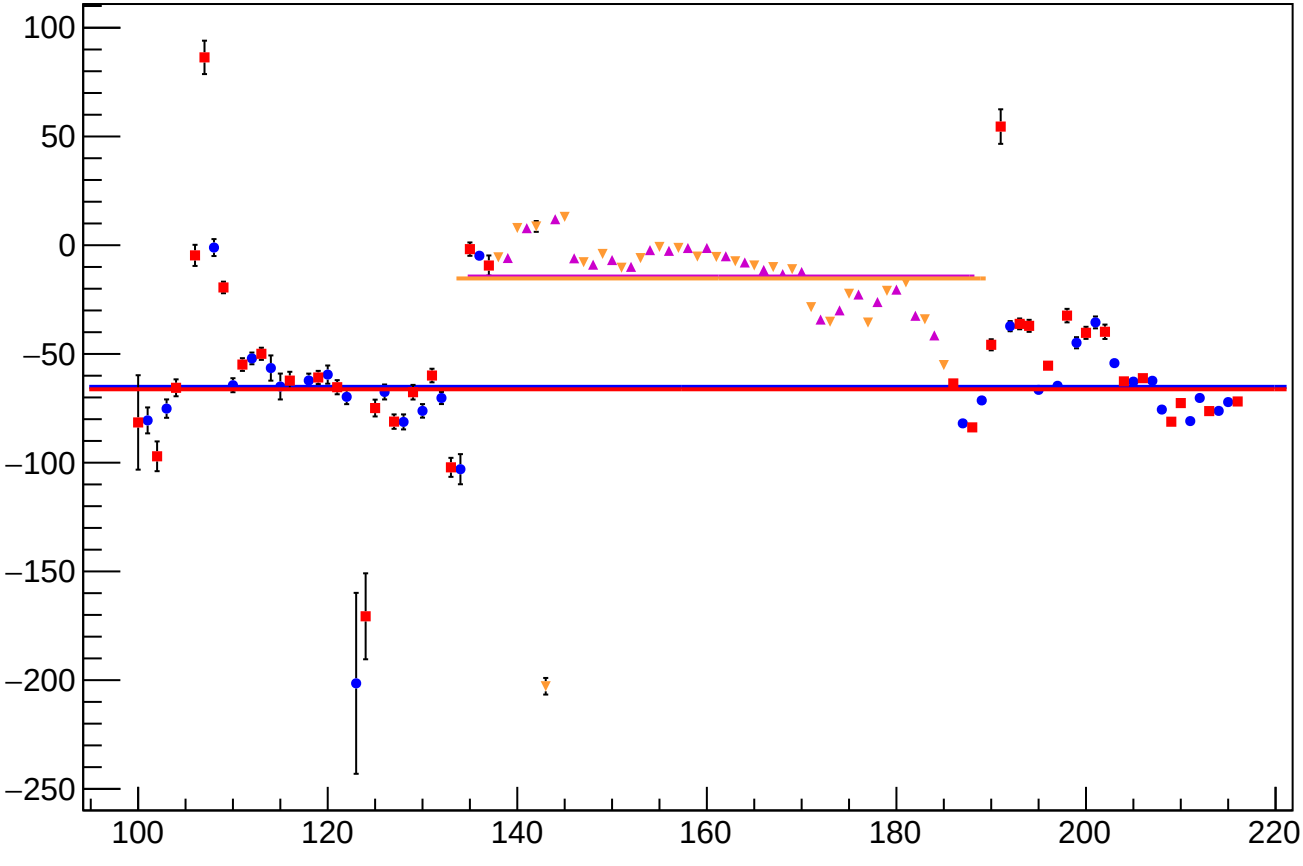
Right: -0.326+/-0.269 χ^2/NDF: 1202.3/66

In: 1.506+/-0.189 χ^2/NDF:959.2/54

Out: 1.062+/-0.183 χ^2/NDF:824.0/59

All: 1.276+/-0.131 χ^2/NDF: 1786.1/114

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -65.126+/-0.418 χ^2/NDF: 1909.9/31

Left Out: -15.279+/-0.267 χ^2/NDF:4820.1/24

Right Out: -66.250+/-0.343 χ^2/NDF: 3427.0/34

Left In: -14.406+/-0.269 χ^2/NDF:2032.4/22

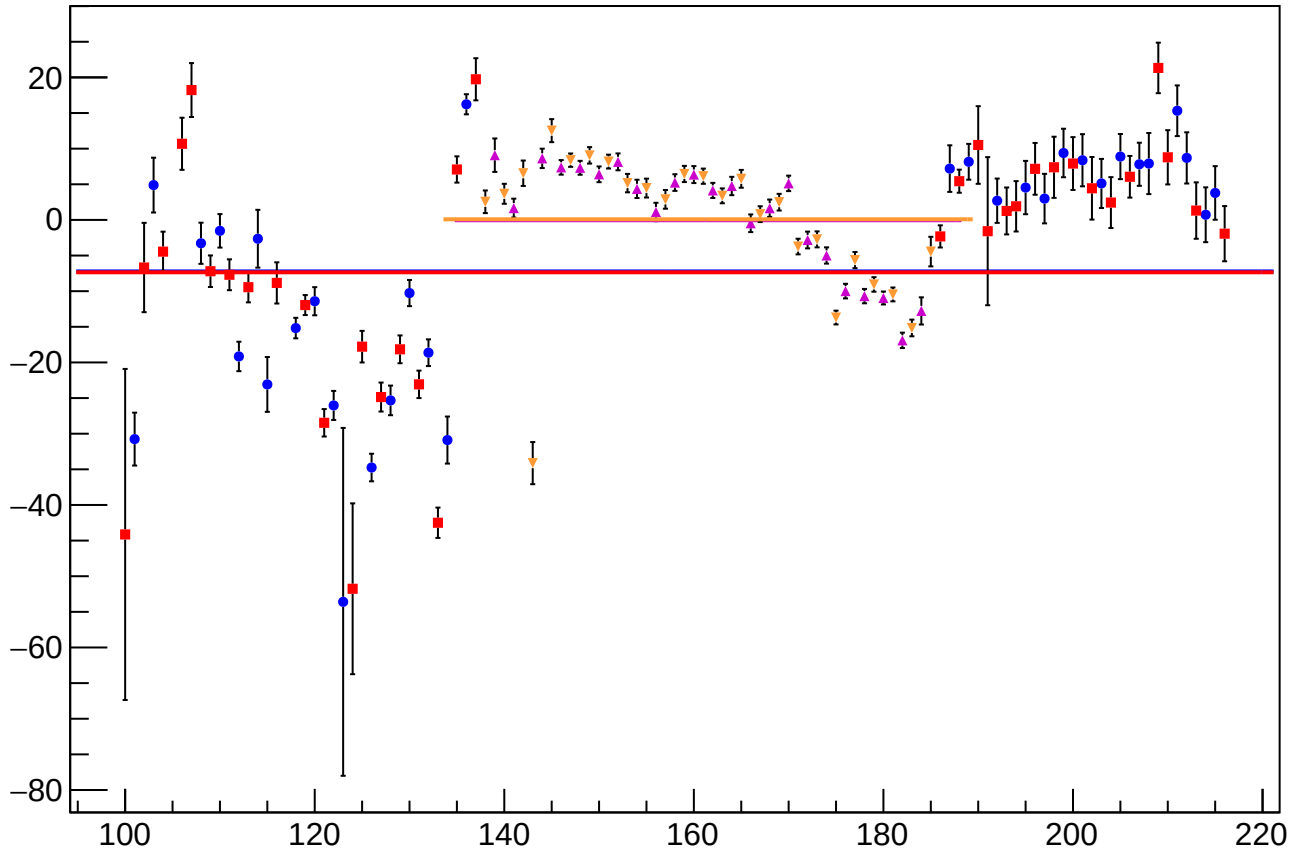
Left: -14.846+/-0.189 χ^2/NDF: 6857.8/47

Right: -65.798+/-0.265 χ^2/NDF: 5341.3/66

In: -29.248+/-0.226 χ^2/NDF:14337.3/54

Out: -34.482+/-0.211 χ^2/NDF:21998.1/59

All: -32.053+/-0.154 χ^2/NDF: 36622.0/114



Right In: -7.231+/-0.458 χ^2/NDF: 1155.6/31

Left Out: 0.087+/-0.238 χ^2/NDF:1172.3/24

Right Out: -7.350+/-0.439 χ^2/NDF: 1099.3/34

Left In: -0.044+/-0.243 χ^2/NDF:1028.2/22

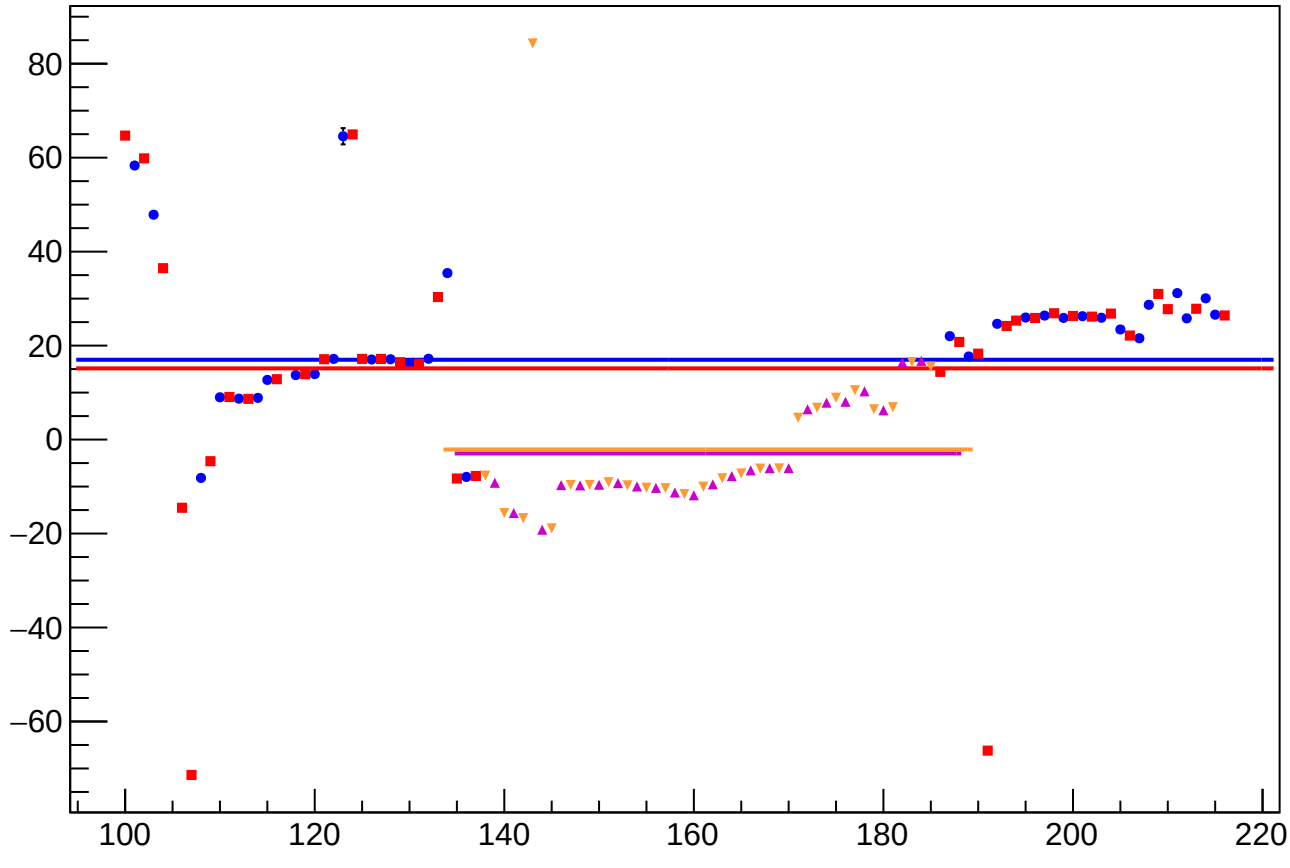
Left: 0.023+/-0.170 χ^2/NDF: 2200.6/47

Right: -7.293+/-0.317 χ^2/NDF: 2255.0/66

In: -1.625+/-0.215 χ^2/NDF:2376.1/54

Out: -1.605+/-0.209 χ^2/NDF:2493.3/59

All: -1.614+/-0.150 χ^2/NDF: 4869.4/114



Right In: 16.989+/-0.023 χ^2/NDF: 492579.0/31

Left Out: -2.105+/-0.011 χ^2/NDF:1093120.2/24

Right Out: 15.156+/-0.022 χ^2/NDF: 770355.6/34

Left In: -2.959+/-0.011 χ^2/NDF:763000.9/22

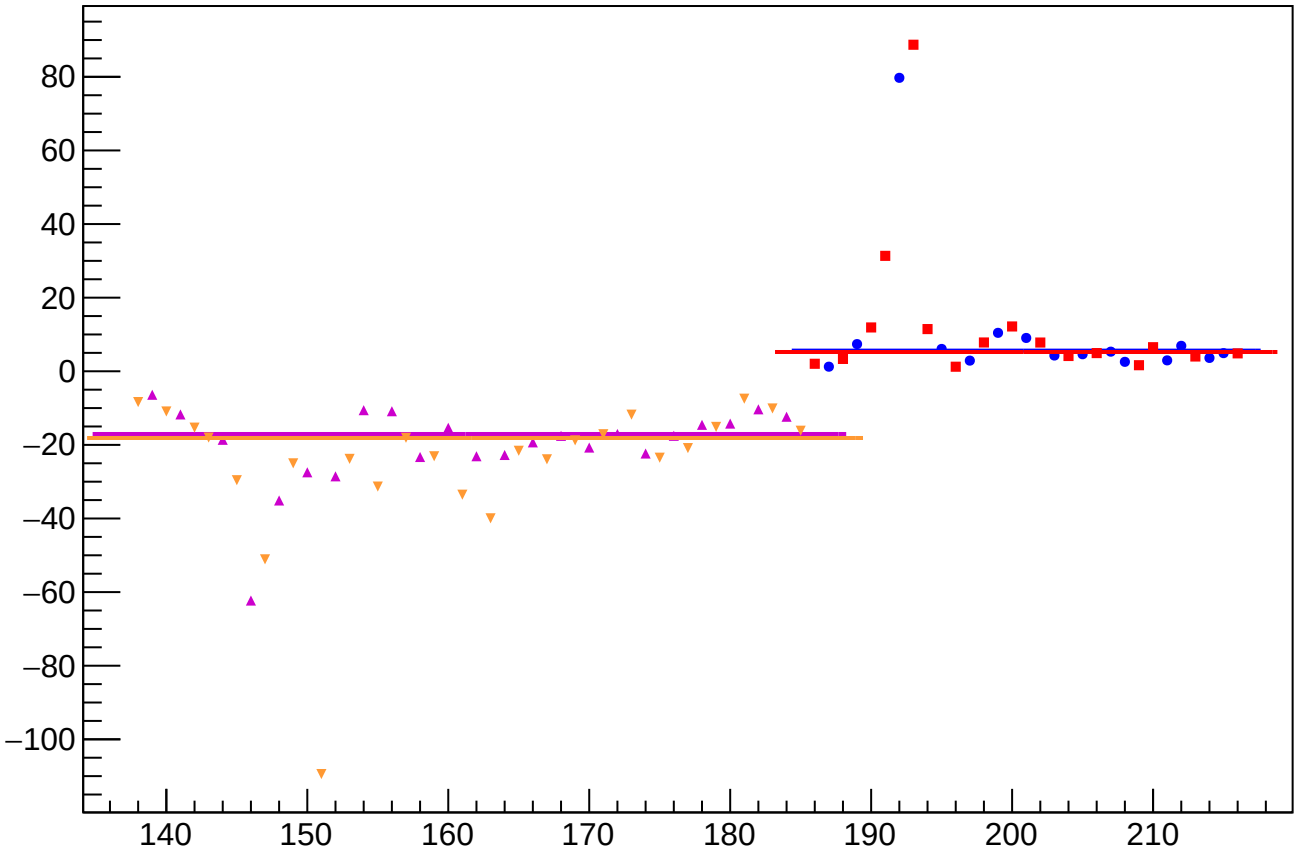
Left: -2.529+/-0.008 χ^2/NDF: 1859155.7/47

Right: 16.058+/-0.016 χ^2/NDF: 1266254.1/66

In: 0.838+/-0.010 χ^2/NDF:1881458.4/54

Out: 1.229+/-0.010 χ^2/NDF:2345926.7/59

All: 1.035+/-0.007 χ^2/NDF: 4228171.8/114



Right In: 5.610+/-0.048 χ^2/NDF: 26472.2/14

Left Out: -18.128+/-0.039 χ^2/NDF:88551.6/24

Right Out: 5.238+/-0.048 χ^2/NDF: 26888.1/15

Left In: -17.038+/-0.038 χ^2/NDF:44141.1/22

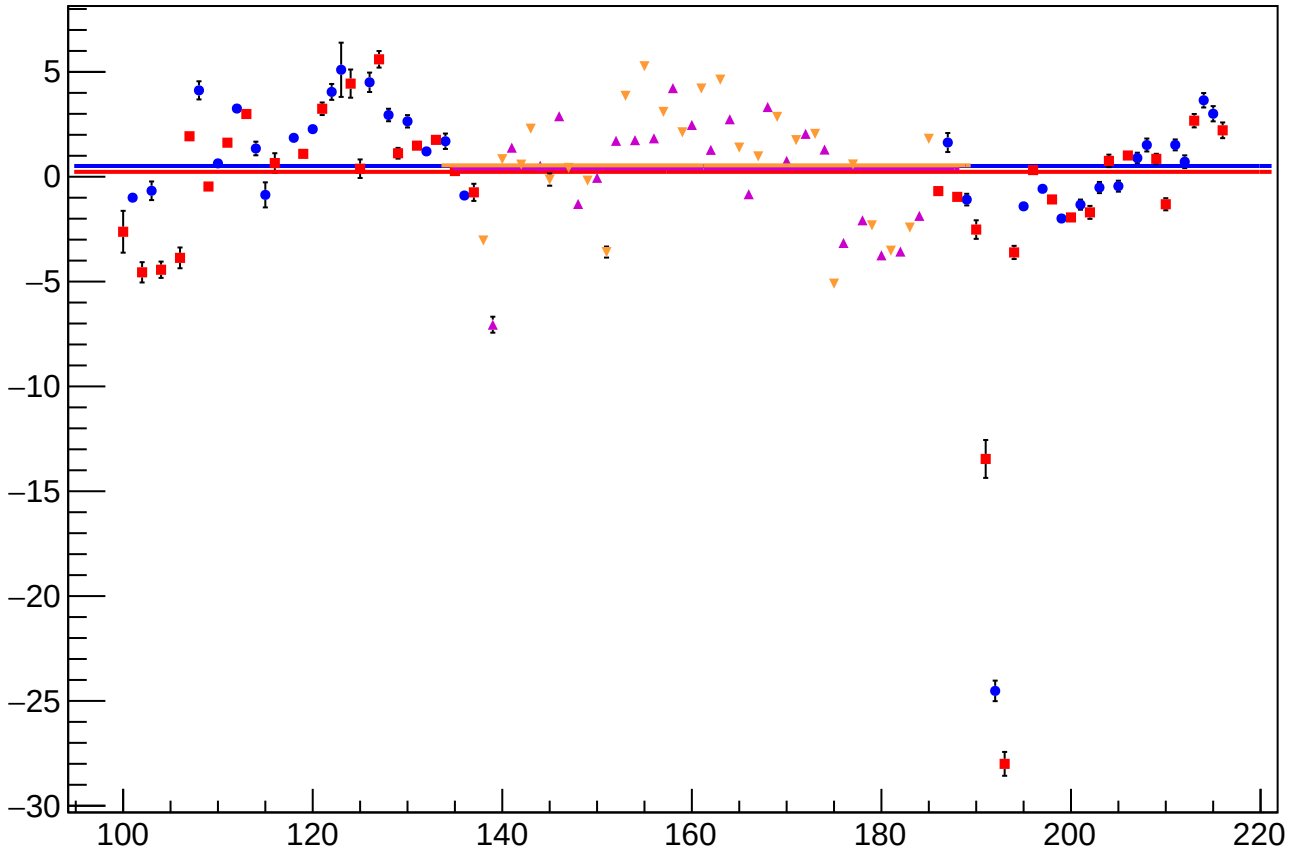
Left: -17.572+/-0.027 χ^2/NDF: 133092.4/47

Right: 5.423+/-0.034 χ^2/NDF: 53390.1/30

In: -8.349+/-0.030 χ^2/NDF:205800.5/37

Out: -8.846+/-0.030 χ^2/NDF:258664.8/40

All: -8.596+/-0.021 χ^2/NDF: 464601.7/78



Right In: 0.513+/-0.046 χ^2/NDF: 3994.3/31

Left Out: 0.543+/-0.032 χ^2/NDF:7085.3/24

Right Out: 0.233+/-0.044 χ^2/NDF: 4387.7/34

Left In: 0.397+/-0.031 χ^2/NDF:6235.6/22

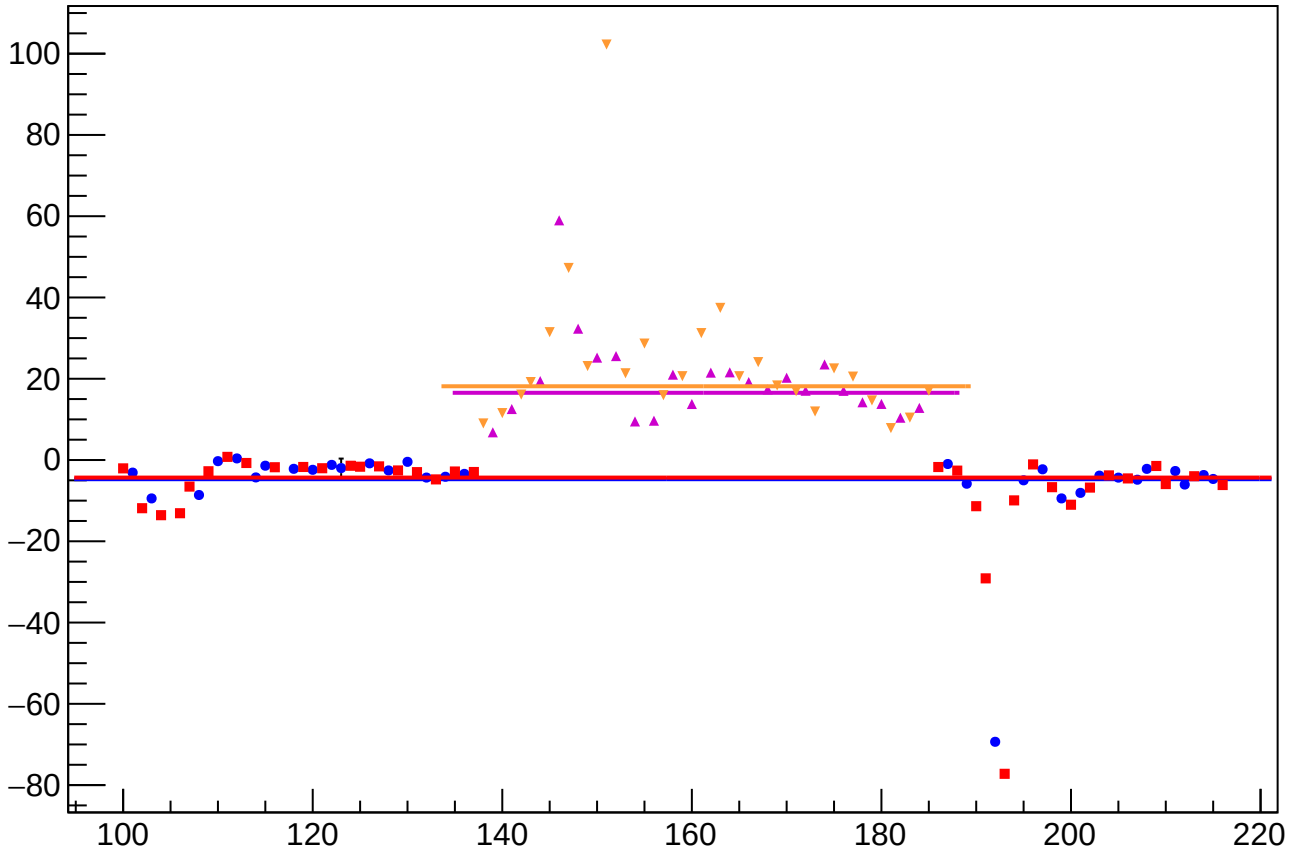
Left: 0.466+/-0.022 χ^2/NDF: 13331.6/47

Right: 0.366+/-0.032 χ^2/NDF: 8401.4/66

In: 0.433+/-0.026 χ^2/NDF:10234.3/54

Out: 0.434+/-0.026 χ^2/NDF:11505.4/59

All: 0.433+/-0.018 χ^2/NDF: 21739.7/114



Right In: -4.720+/-0.043 χ^2/NDF: 27274.2/31

Left Out: 18.150+/-0.039 χ^2/NDF:77847.8/24

Right Out: -4.324+/-0.040 χ^2/NDF: 28303.2/34

Left In: 16.543+/-0.038 χ^2/NDF:40855.0/22

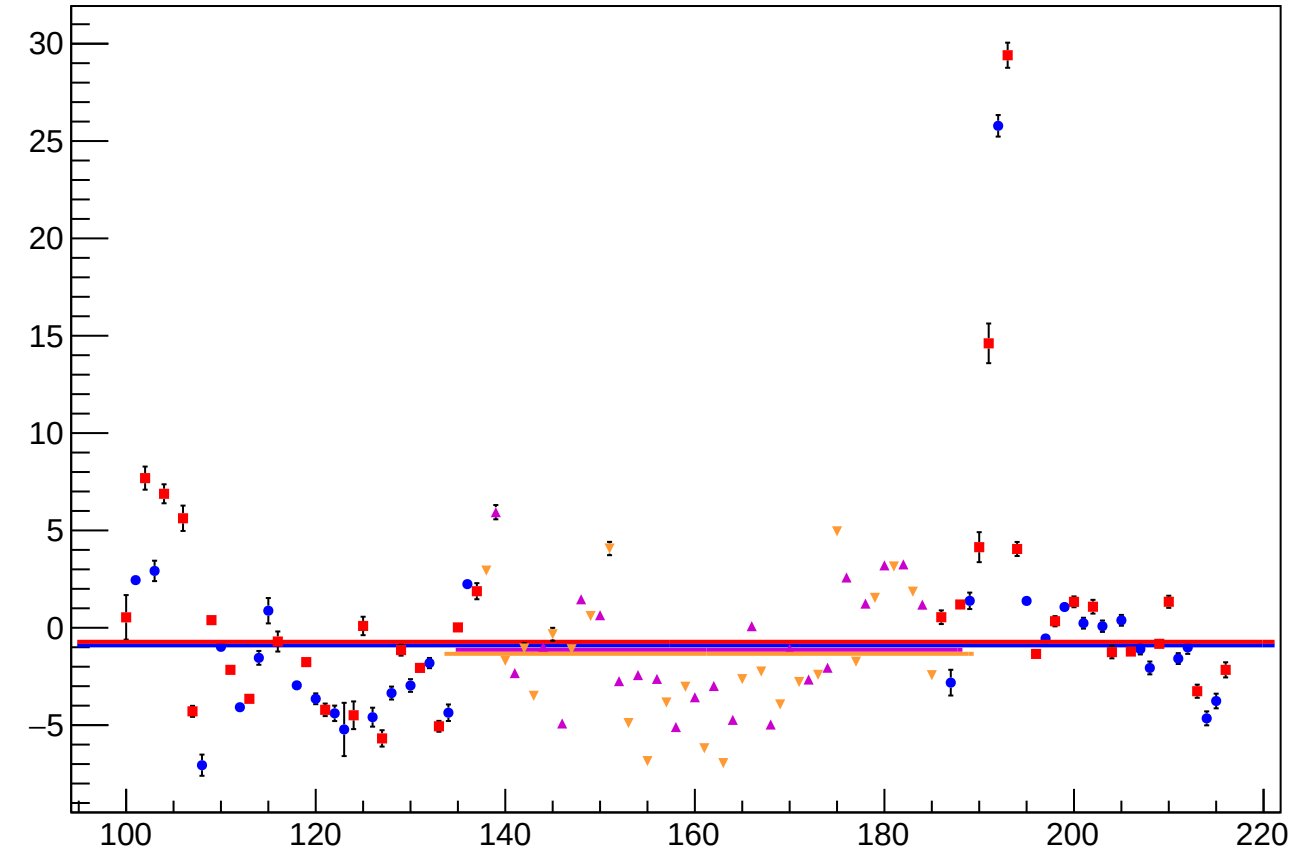
Left: 17.318+/-0.027 χ^2/NDF: 119577.9/47

Right: -4.510+/-0.029 χ^2/NDF: 55622.9/66

In: 7.217+/-0.028 χ^2/NDF:207222.7/54

Out: 7.238+/-0.028 χ^2/NDF:266604.0/59

All: 7.227+/-0.020 χ^2/NDF: 473827.0/114



Right In: -0.904+/-0.053 χ^2/NDF: 4114.9/31

Left Out: -1.338+/-0.036 χ^2/NDF:7943.1/24

Right Out: -0.719+/-0.051 χ^2/NDF: 4589.5/34

Left In: -1.129+/-0.034 χ^2/NDF:6740.3/22

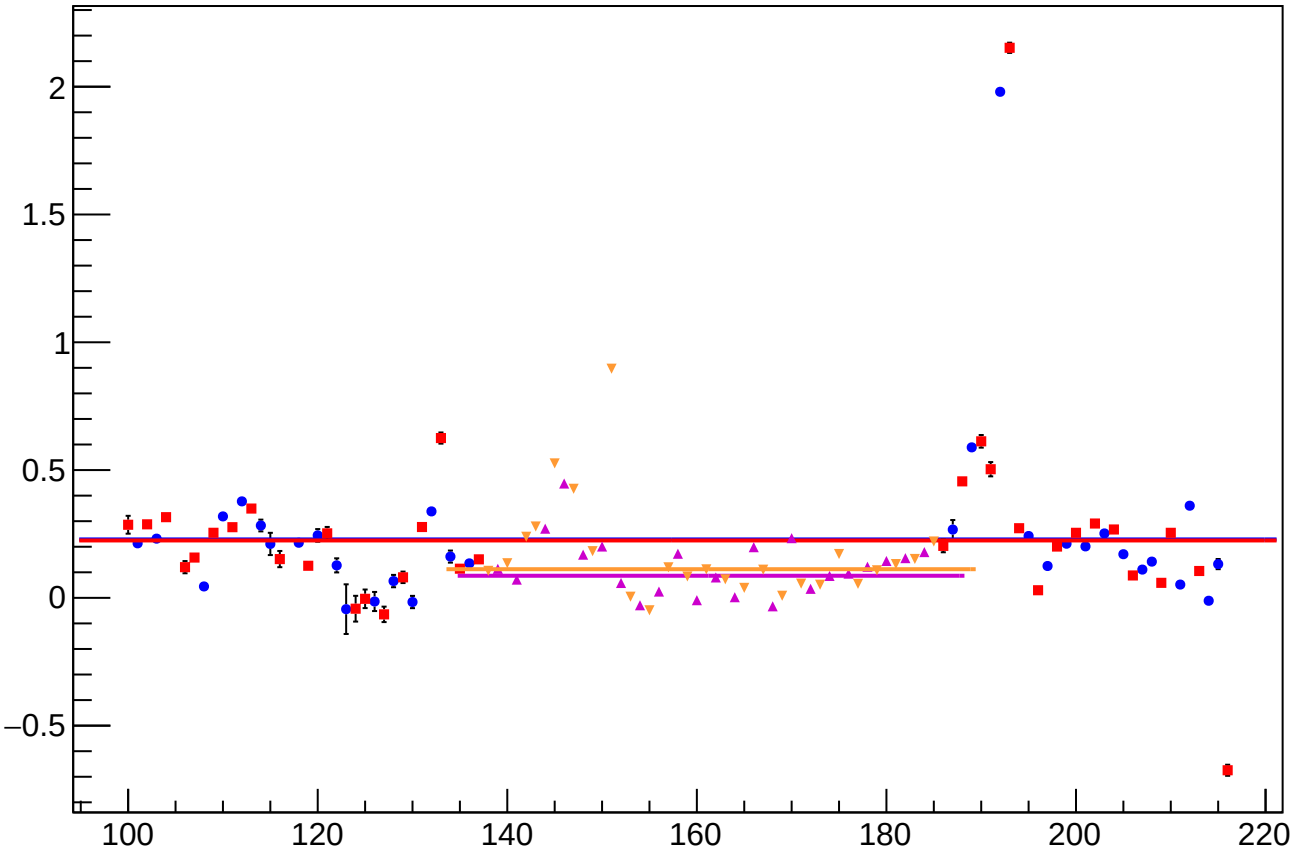
Left: -1.228+/-0.025 χ^2/NDF: 14701.0/47

Right: -0.808+/-0.037 χ^2/NDF: 8710.7/66

In: -1.063+/-0.029 χ^2/NDF:10868.0/54

Out: -1.131+/-0.029 χ^2/NDF:12631.6/59

All: -1.096+/-0.020 χ^2/NDF: 23502.3/114



Right In: 0.229+/-0.002 χ^2/NDF: 11879.0/31

Left Out: 0.112+/-0.002 χ^2/NDF:4503.9/24

Right Out: 0.225+/-0.002 χ^2/NDF: 13908.8/34

Left In: 0.087+/-0.002 χ^2/NDF:3655.4/22

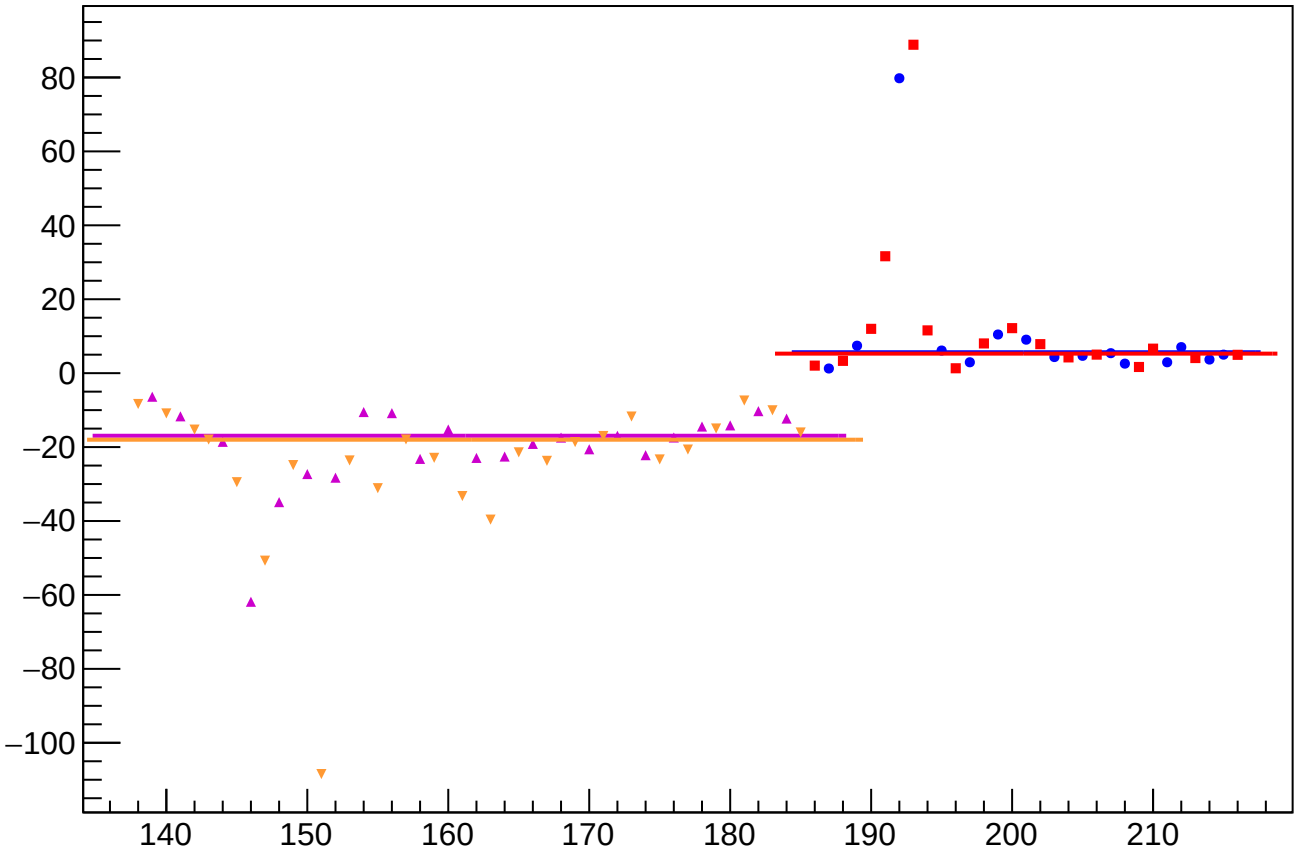
Left: 0.098+/-0.001 χ^2/NDF: 8295.3/47

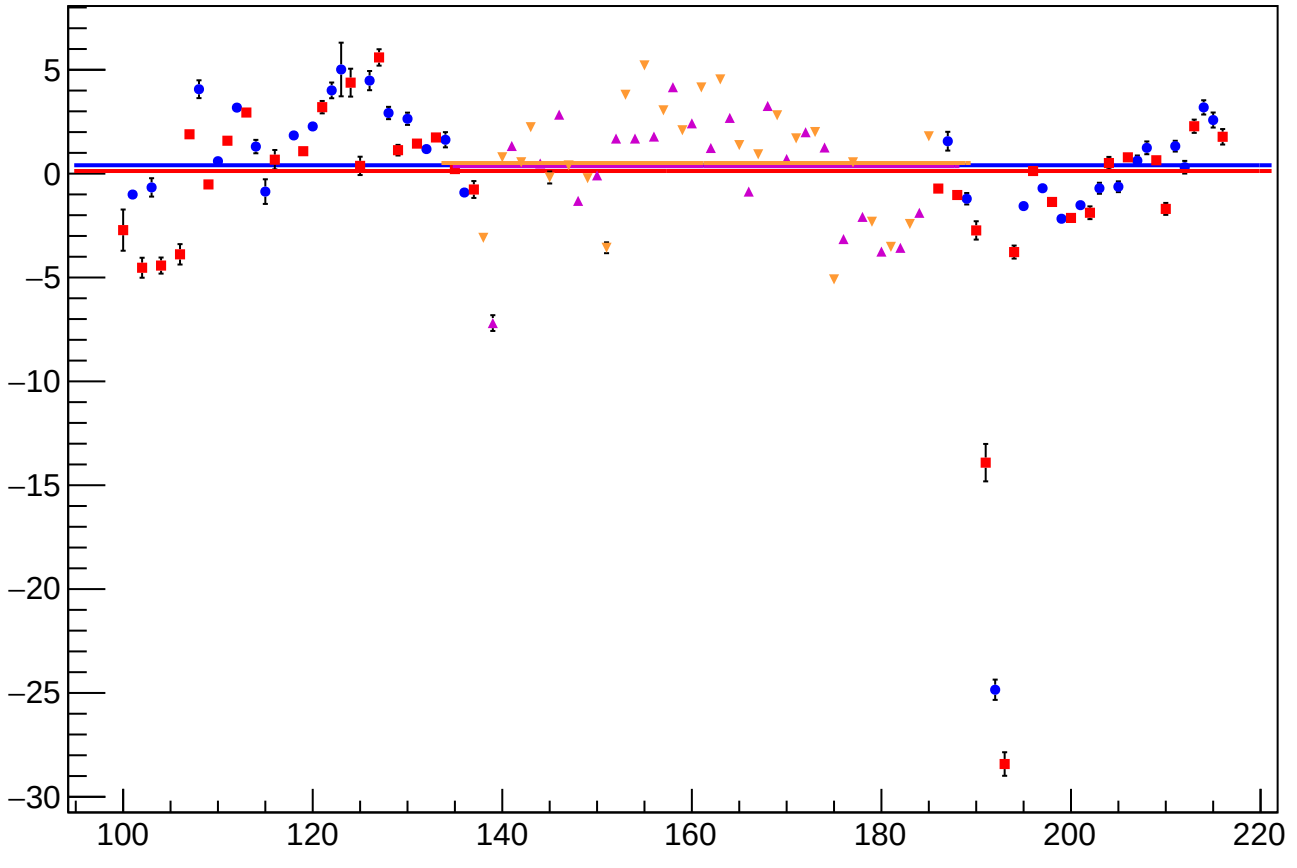
Right: 0.227+/-0.002 χ^2/NDF: 25789.3/66

In: 0.128+/-0.001 χ^2/NDF:18132.1/54

Out: 0.149+/-0.001 χ^2/NDF:20019.8/59

All: 0.138+/-0.001 χ^2/NDF: 38285.7/114


reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
140
150
160
170
180
190
200
210
Right In: 5.659+/-0.048 χ²/NDF: 26686.6/14
Left Out: -18.005+/-0.039 χ²/NDF:88391.0/24
Right Out: 5.284+/-0.048 χ²/NDF: 27242.5/15
Left In: -16.934+/-0.038 χ²/NDF:44060.6/22
Left: -17.459+/-0.027 χ²/NDF: 132843.0/47
Right: 5.470+/-0.034 χ²/NDF: 53959.8/30
In: -8.293+/-0.030 χ²/NDF:206648.6/37
Out: -8.763+/-0.030 χ²/NDF:259778.9/40
All: -8.526+/-0.021 χ²/NDF: 466551.5/78



Right In: 0.404+/-0.046 χ^2/NDF: 4090.5/31

Left Out: 0.511+/-0.032 χ^2/NDF:7070.4/24

Right Out: 0.127+/-0.044 χ^2/NDF: 4534.6/34

Left In: 0.360+/-0.031 χ^2/NDF:6221.1/22

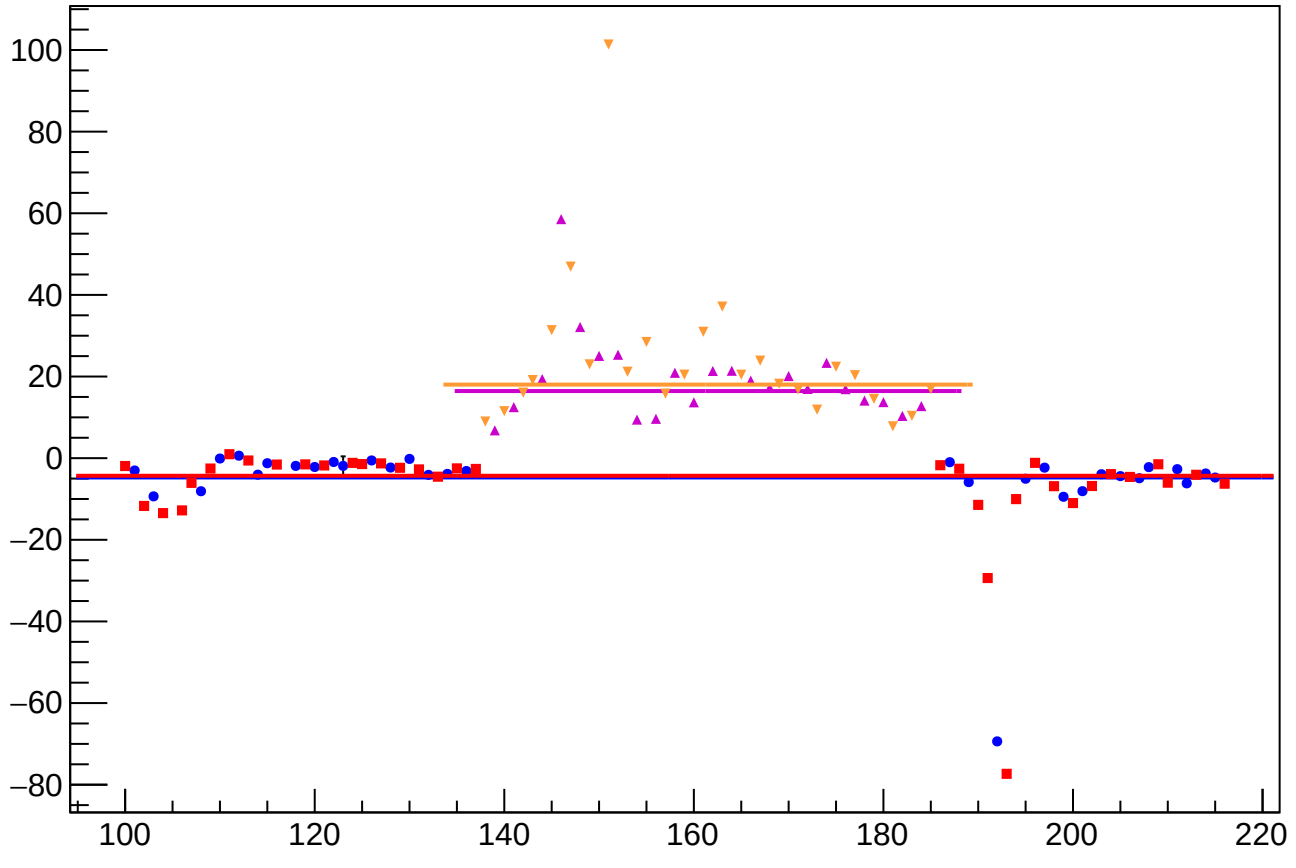
Left: 0.432+/-0.022 χ^2/NDF: 13303.2/47

Right: 0.259+/-0.032 χ^2/NDF: 8644.3/66

In: 0.373+/-0.025 χ^2/NDF:10312.2/54

Out: 0.376+/-0.026 χ^2/NDF:11655.3/59

All: 0.375+/-0.018 χ^2/NDF: 21967.5/114



Right In: -4.723+/-0.043 χ^2/NDF: 27593.9/31

Left Out: 18.027+/-0.039 χ^2/NDF:77718.1/24

Right Out: -4.315+/-0.040 χ^2/NDF: 28778.1/34

Left In: 16.443+/-0.038 χ^2/NDF:40780.6/22

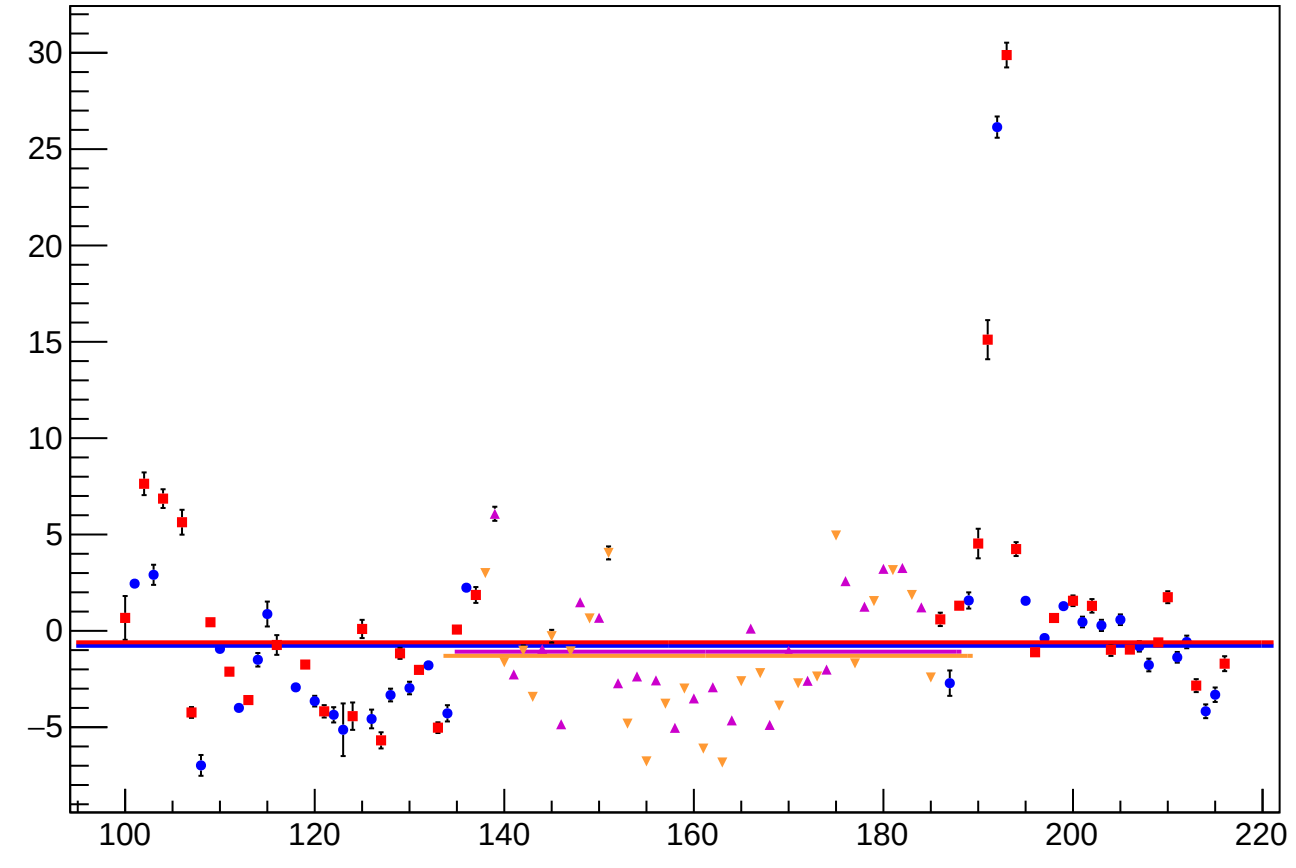
Left: 17.207+/-0.027 χ^2/NDF: 119360.0/47

Right: -4.507+/-0.029 χ^2/NDF: 56421.0/66

In: 7.183+/-0.028 χ^2/NDF:207682.1/54

Out: 7.185+/-0.028 χ^2/NDF:267228.1/59

All: 7.184+/-0.020 χ^2/NDF: 474910.2/114



Right In: -0.775+/-0.053 χ^2/NDF: 4186.2/31

Left Out: -1.297+/-0.036 χ^2/NDF:7925.1/24

Right Out: -0.595+/-0.050 χ^2/NDF: 4735.1/34

Left In: -1.082+/-0.034 χ^2/NDF:6724.1/22

Left: -1.184+/-0.025 χ^2/NDF: 14668.4/47

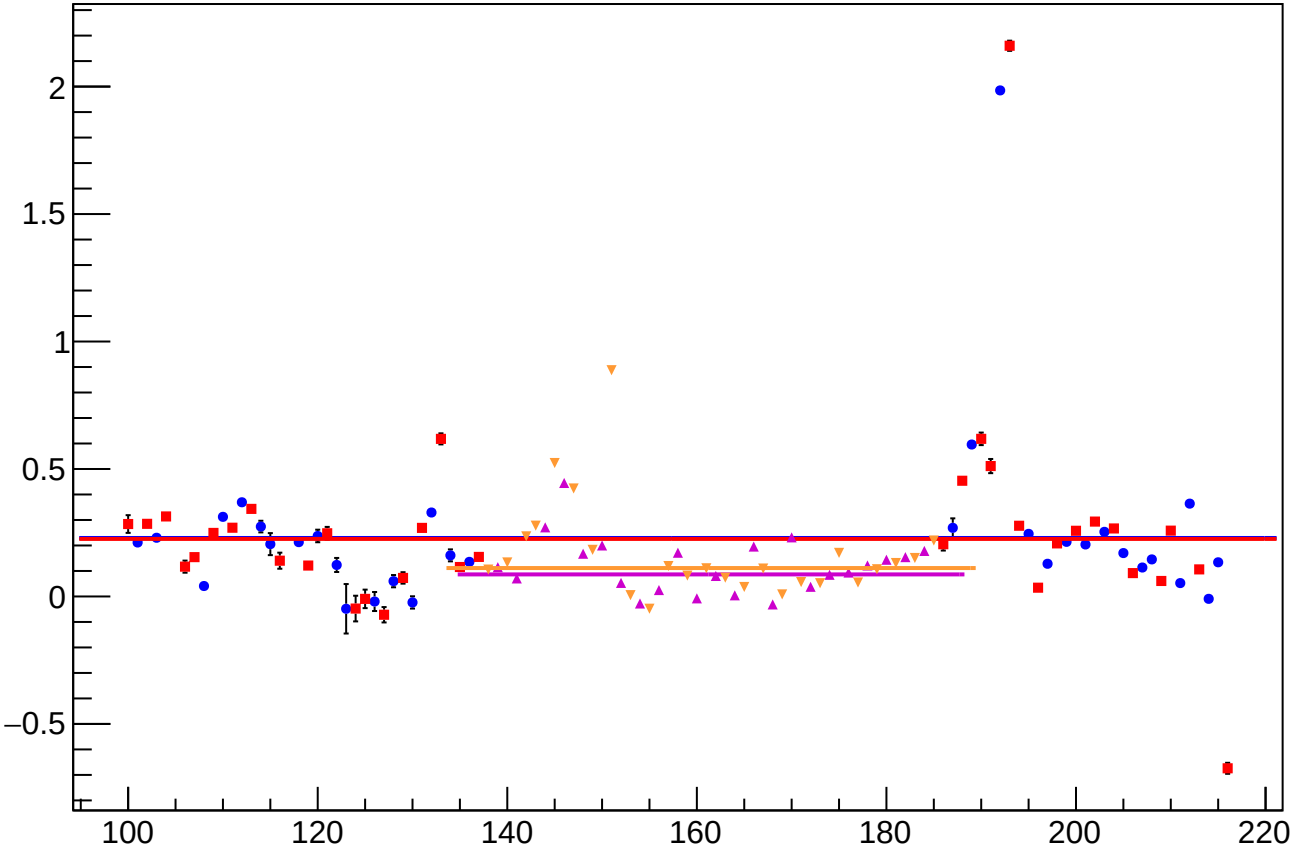
Right: -0.681+/-0.036 χ^2/NDF: 8927.5/66

In: -0.992+/-0.029 χ^2/NDF:10934.3/54

Out: -1.063+/-0.029 χ^2/NDF:12789.4/59

All: -1.027+/-0.020 χ^2/NDF: 23726.8/114

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.229+/-0.002 χ^2/NDF: 12004.2/31

Left Out: 0.111+/-0.002 χ^2/NDF:4496.0/24

Right Out: 0.226+/-0.002 χ^2/NDF: 14053.4/34

Left In: 0.087+/-0.001 χ^2/NDF:3625.5/22

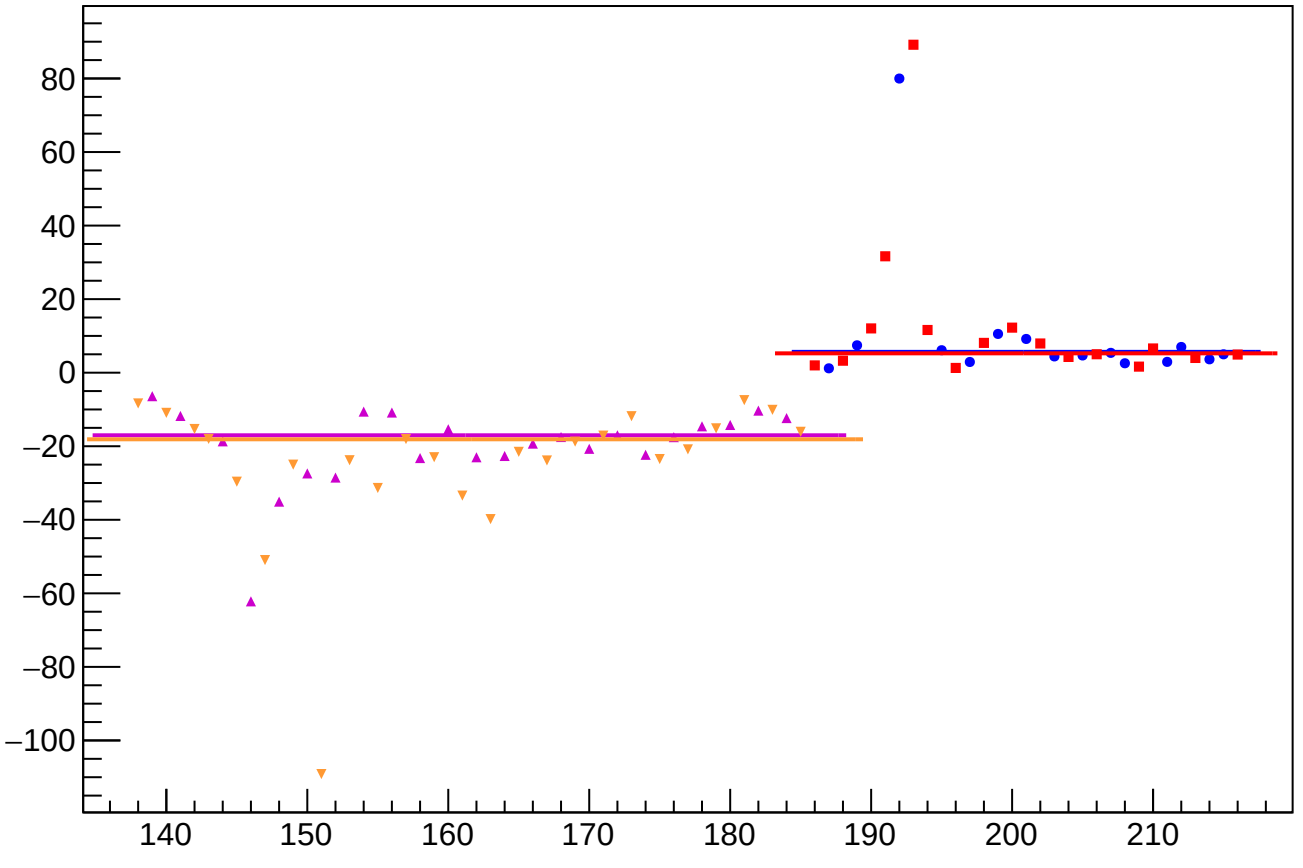
Left: 0.098+/-0.001 χ^2/NDF: 8251.9/47

Right: 0.228+/-0.002 χ^2/NDF: 26058.8/66

In: 0.128+/-0.001 χ^2/NDF:18281.1/54

Out: 0.149+/-0.001 χ^2/NDF:20227.7/59

All: 0.138+/-0.001 χ^2/NDF: 38640.3/114



Right In: 5.661+/-0.048 χ^2/NDF: 26681.8/14

Left Out: -18.112+/-0.039 χ^2/NDF:88529.7/24

Right Out: 5.260+/-0.048 χ^2/NDF: 27264.0/15

Left In: -17.024+/-0.038 χ^2/NDF:44141.8/22

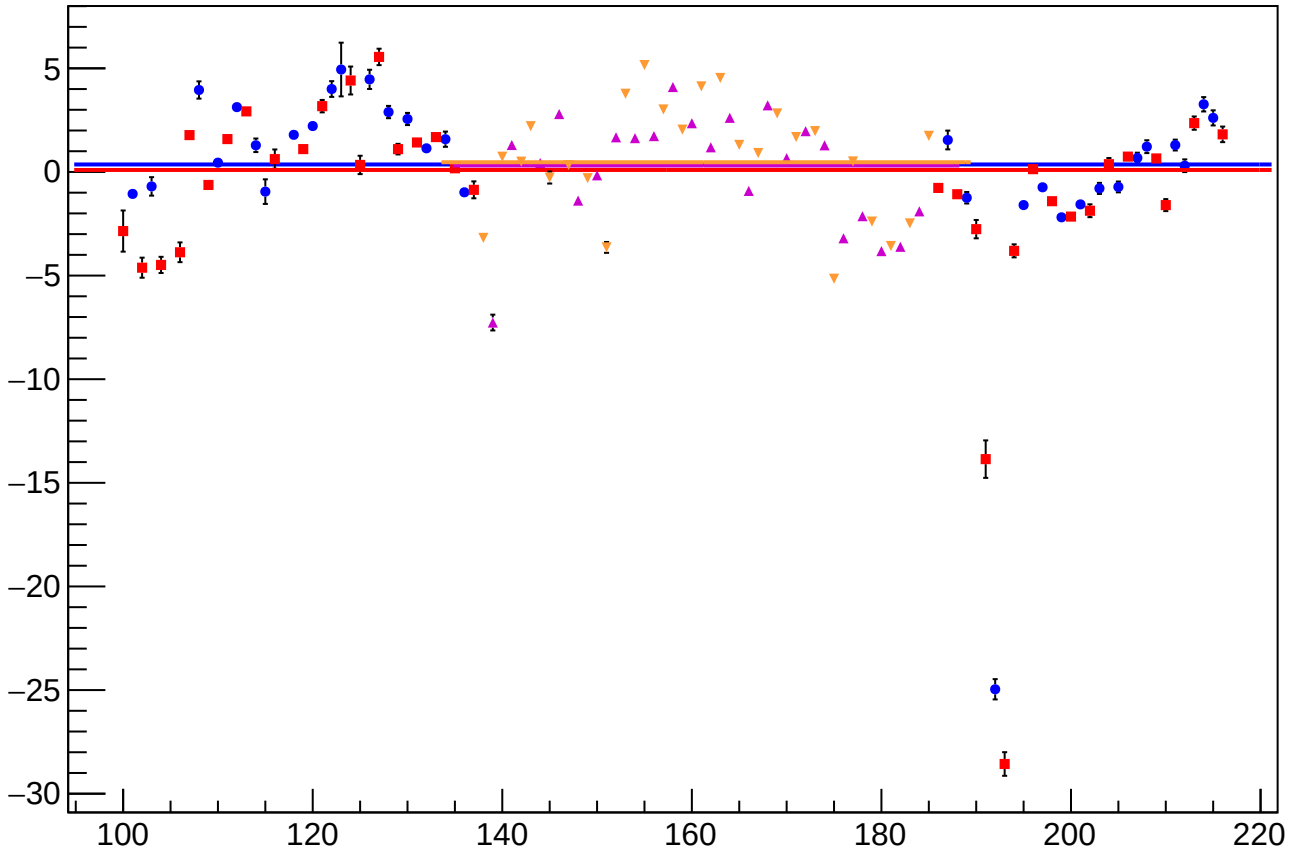
Left: -17.557+/-0.027 χ^2/NDF: 133072.9/47

Right: 5.458+/-0.034 χ^2/NDF: 53980.5/30

In: -8.379+/-0.030 χ^2/NDF:206281.8/37

Out: -8.844+/-0.030 χ^2/NDF:259645.0/40

All: -8.609+/-0.021 χ^2/NDF: 466046.6/78



Right In: 0.361+/-0.046 χ^2/NDF: 4085.7/31

Left Out: 0.469+/-0.032 χ^2/NDF:7093.0/24

Right Out: 0.096+/-0.044 χ^2/NDF: 4527.4/34

Left In: 0.311+/-0.031 χ^2/NDF:6183.1/22

Left: 0.386+/-0.022 χ^2/NDF: 13288.8/47

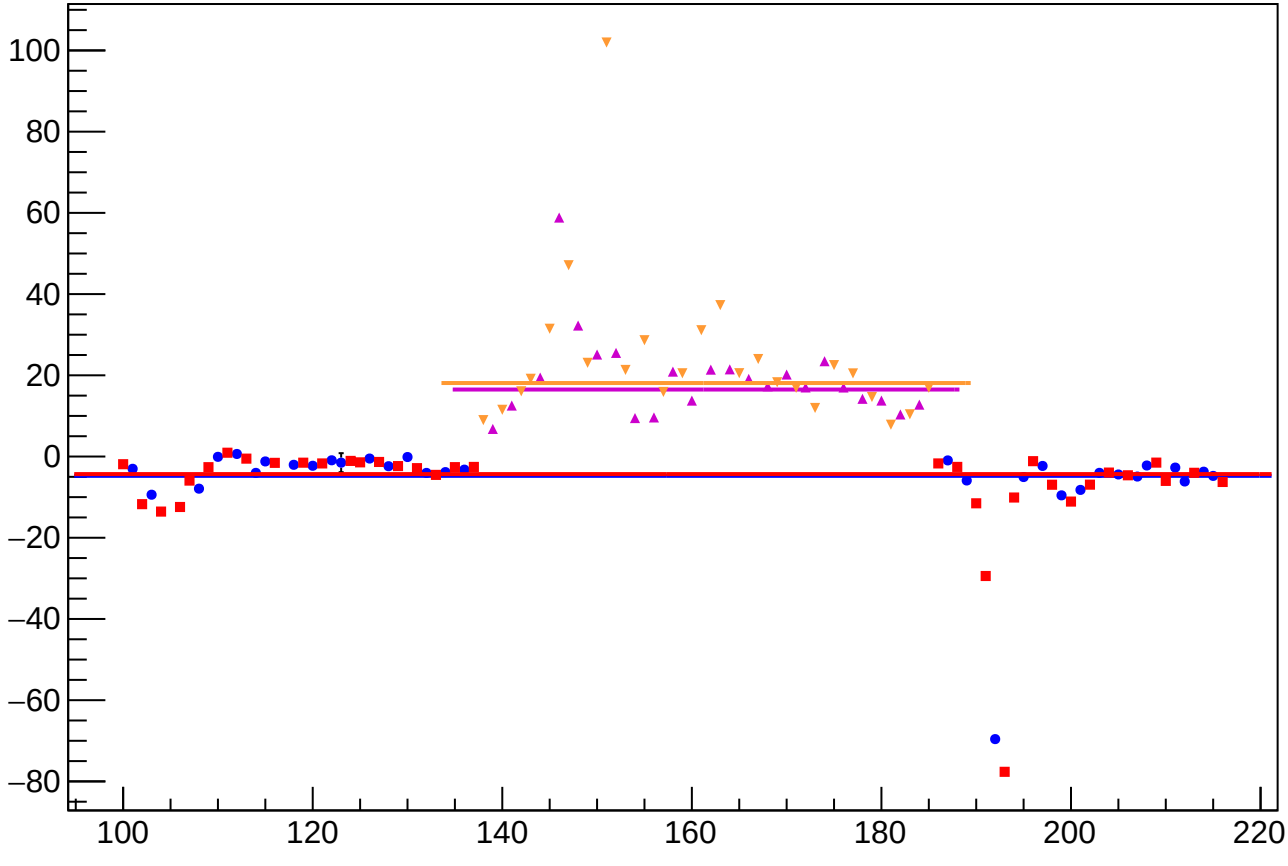
Right: 0.222+/-0.032 χ^2/NDF: 8630.4/66

In: 0.326+/-0.026 χ^2/NDF:10269.6/54

Out: 0.338+/-0.026 χ^2/NDF:11667.4/59

All: 0.332+/-0.018 χ^2/NDF: 21937.1/114

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.753+/-0.043 χ^2/NDF: 27587.9/31

Left Out: 18.101+/-0.039 χ^2/NDF:77839.7/24

Right Out: -4.323+/-0.040 χ^2/NDF: 28784.7/34

Left In: 16.496+/-0.038 χ^2/NDF:40867.3/22

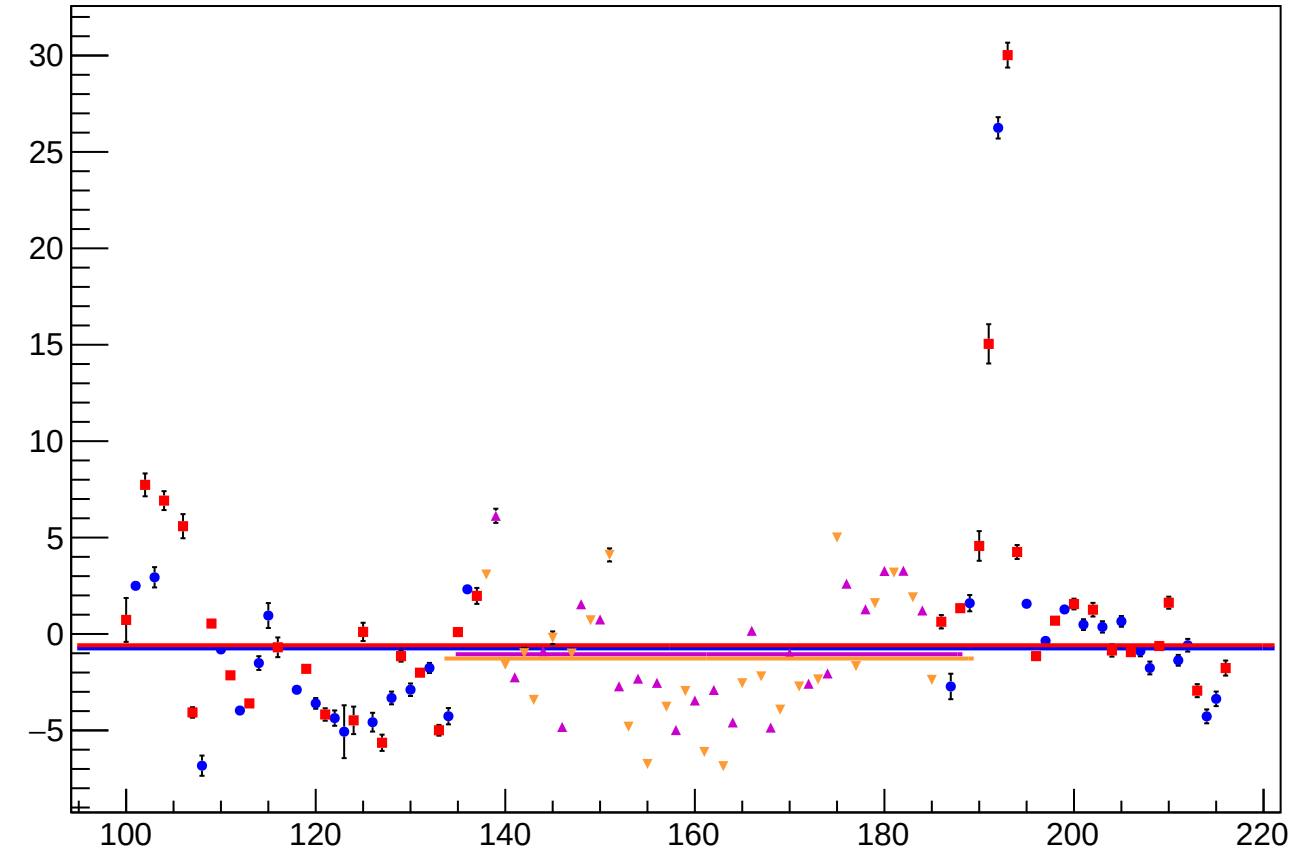
Left: 17.270+/-0.027 χ^2/NDF: 119584.1/47

Right: -4.524+/-0.029 χ^2/NDF: 56426.3/66

In: 7.228+/-0.028 χ^2/NDF:207344.7/54

Out: 7.218+/-0.028 χ^2/NDF:267160.6/59

All: 7.223+/-0.020 χ^2/NDF: 474505.4/114



Right In: -0.748+/-0.053 χ^2/NDF: 4186.5/31

Left Out: -1.273+/-0.036 χ^2/NDF:7951.6/24

Right Out: -0.585+/-0.051 χ^2/NDF: 4729.3/34

Left In: -1.050+/-0.034 χ^2/NDF:6673.4/22

Left: -1.156+/-0.025 χ^2/NDF: 14645.3/47

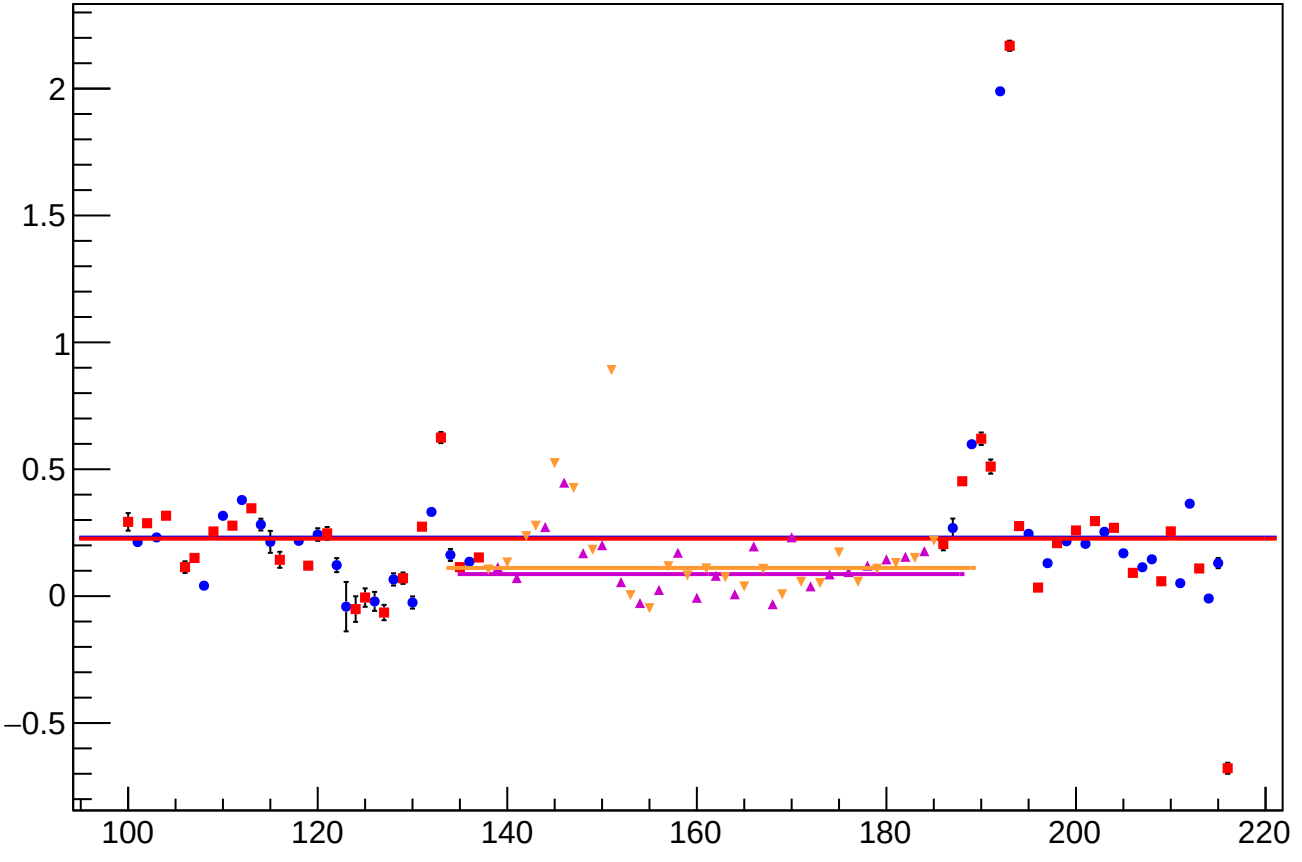
Right: -0.663+/-0.037 χ^2/NDF: 8920.8/66

In: -0.962+/-0.029 χ^2/NDF:10883.0/54

Out: -1.044+/-0.029 χ^2/NDF:12804.0/59

All: -1.002+/-0.020 χ^2/NDF: 23691.0/114

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.231+/-0.002 χ^2/NDF: 12001.5/31

Left Out: 0.111+/-0.002 χ^2/NDF:4474.5/24

Right Out: 0.226+/-0.002 χ^2/NDF: 14061.5/34

Left In: 0.087+/-0.001 χ^2/NDF:3598.5/22

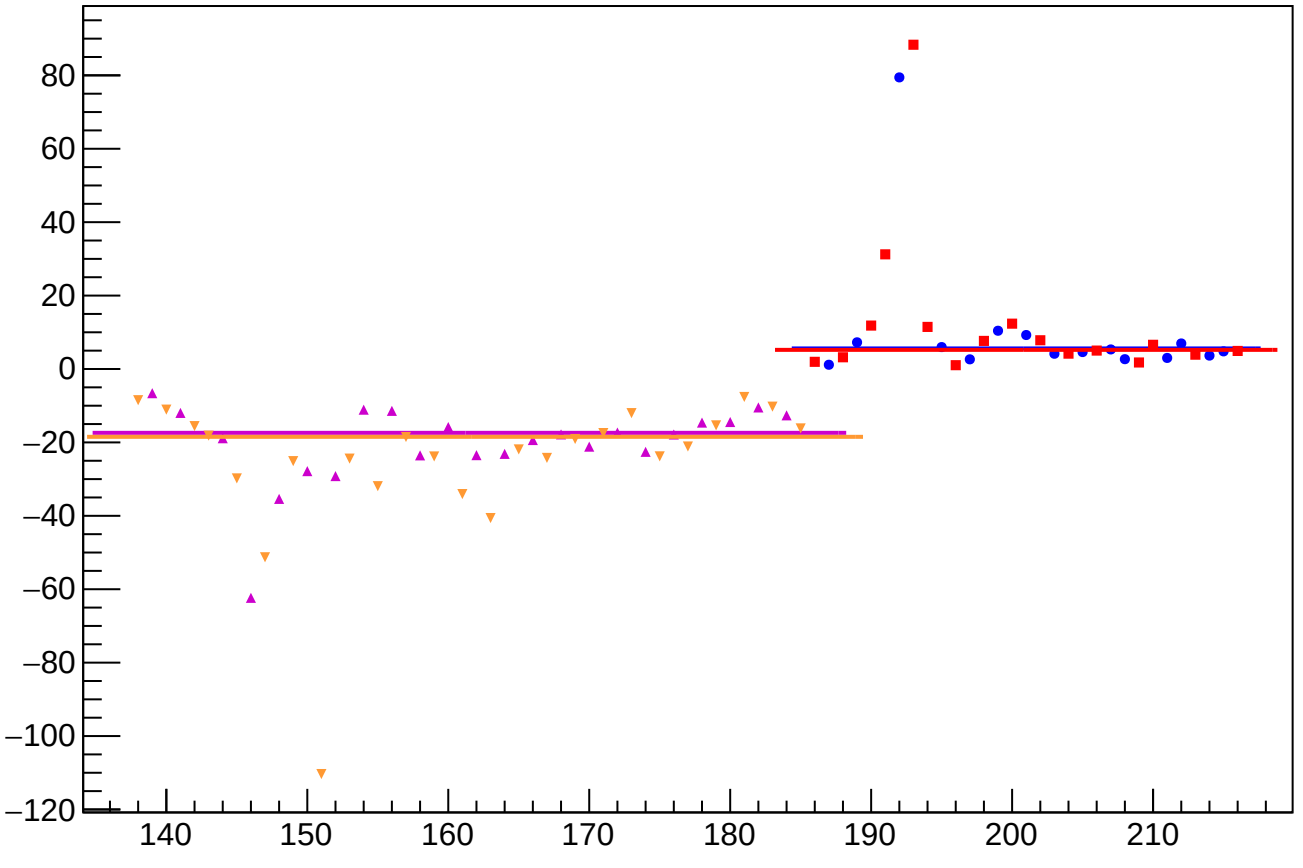
Left: 0.098+/-0.001 χ^2/NDF: 8197.1/47

Right: 0.229+/-0.002 χ^2/NDF: 26064.6/66

In: 0.128+/-0.001 χ^2/NDF:18257.2/54

Out: 0.149+/-0.001 χ^2/NDF:20227.6/59

All: 0.138+/-0.001 χ^2/NDF: 38611.0/114



Right In: 5.599+/-0.049 χ^2/NDF: 26203.2/14

Left Out: -18.479+/-0.040 χ^2/NDF:87883.4/24

Right Out: 5.213+/-0.048 χ^2/NDF: 26683.1/15

Left In: -17.393+/-0.039 χ^2/NDF:43178.9/22

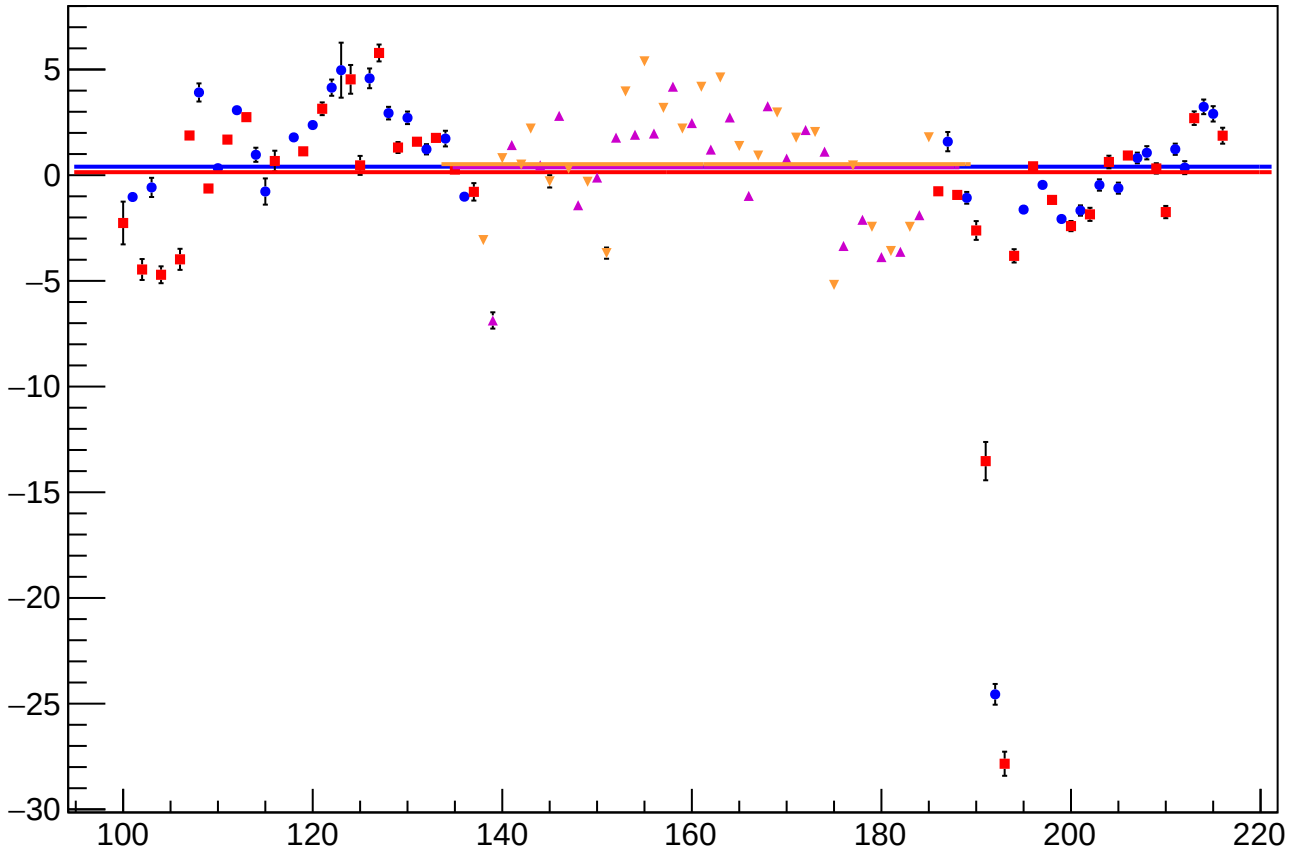
Left: -17.926+/-0.028 χ^2/NDF: 131443.9/47

Right: 5.403+/-0.034 χ^2/NDF: 52918.2/30

In: -8.428+/-0.030 χ^2/NDF:205178.7/37

Out: -8.872+/-0.031 χ^2/NDF:258969.5/40

All: -8.649+/-0.022 χ^2/NDF: 464254.1/78



Right In: 0.402+/-0.047 χ^2/NDF: 3954.1/31

Left Out: 0.522+/-0.033 χ^2/NDF:7055.1/24

Right Out: 0.142+/-0.044 χ^2/NDF: 4387.6/34

Left In: 0.371+/-0.031 χ^2/NDF:6217.4/22

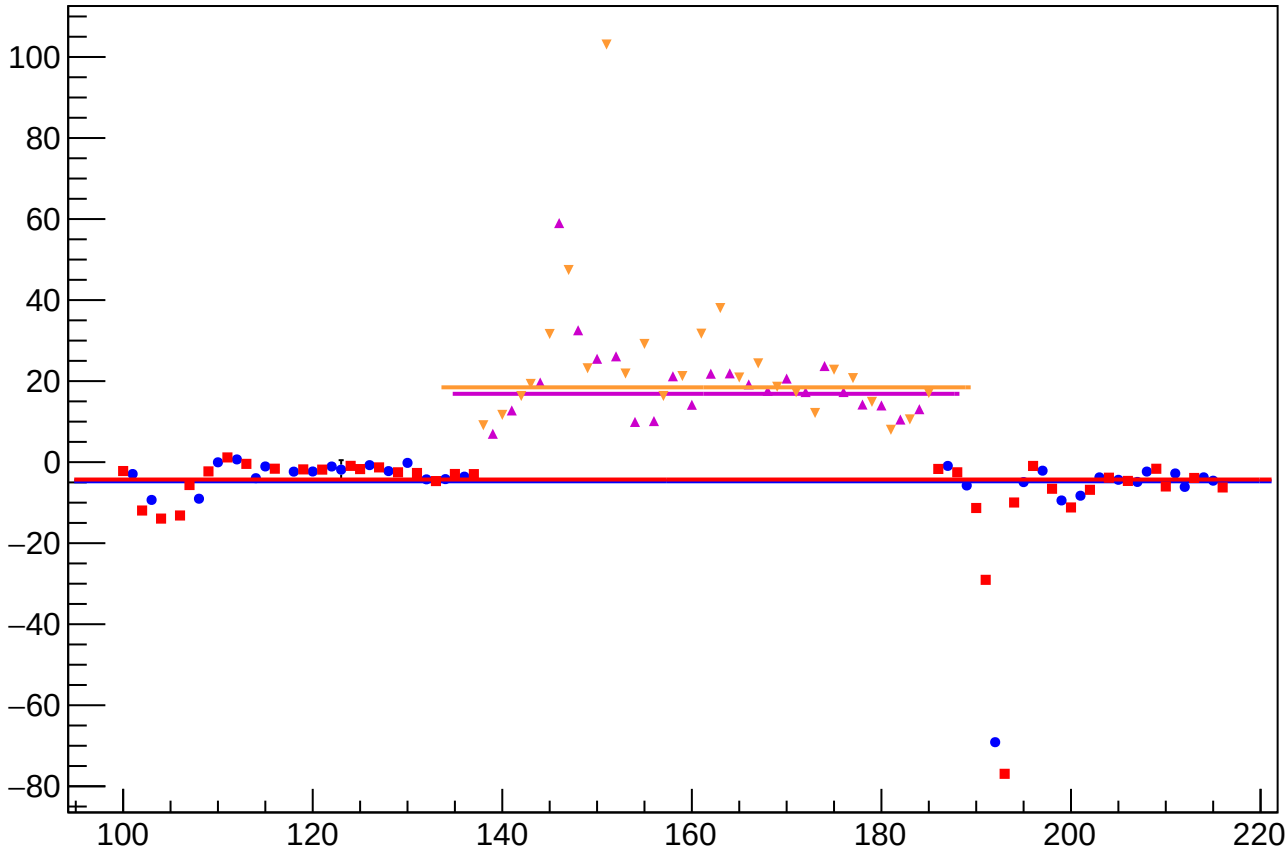
Left: 0.443+/-0.023 χ^2/NDF: 13283.4/47

Right: 0.266+/-0.032 χ^2/NDF: 8357.8/66

In: 0.381+/-0.026 χ^2/NDF:10171.8/54

Out: 0.387+/-0.026 χ^2/NDF:11489.6/59

All: 0.384+/-0.019 χ^2/NDF: 21661.4/114



Right In: -4.726+/-0.043 χ^2/NDF: 27076.0/31

Left Out: 18.467+/-0.040 χ^2/NDF:77226.7/24

Right Out: -4.286+/-0.040 χ^2/NDF: 28230.3/34

Left In: 16.867+/-0.039 χ^2/NDF:39779.0/22

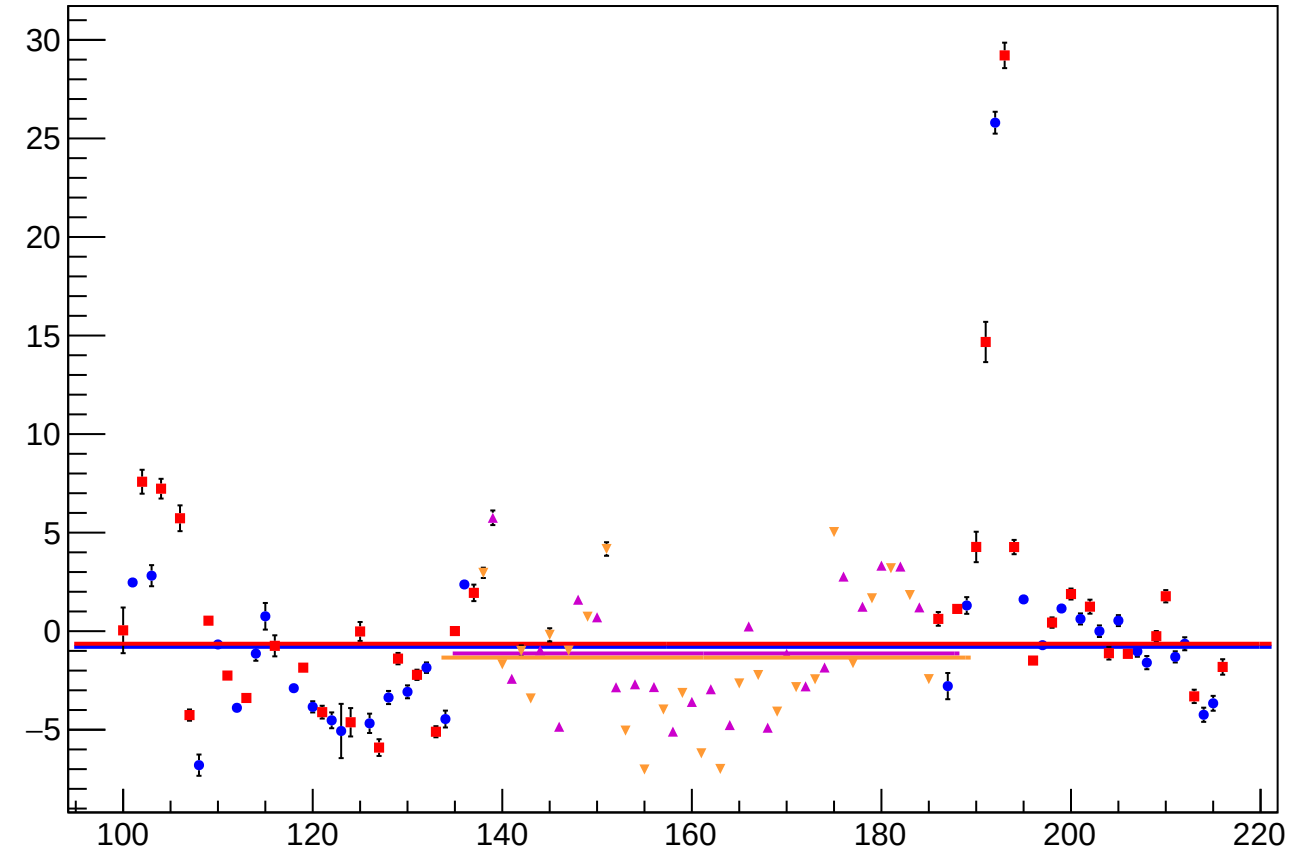
Left: 17.640+/-0.028 χ^2/NDF: 117837.8/47

Right: -4.492+/-0.029 χ^2/NDF: 55361.7/66

In: 7.270+/-0.029 χ^2/NDF:206179.9/54

Out: 7.244+/-0.028 χ^2/NDF:265983.2/59

All: 7.257+/-0.020 χ^2/NDF: 472163.6/114



Right In: -0.793+/-0.054 χ^2/NDF: 4071.4/31

Left Out: -1.340+/-0.037 χ^2/NDF:7907.4/24

Right Out: -0.637+/-0.051 χ^2/NDF: 4601.3/34

Left In: -1.132+/-0.035 χ^2/NDF:6708.5/22

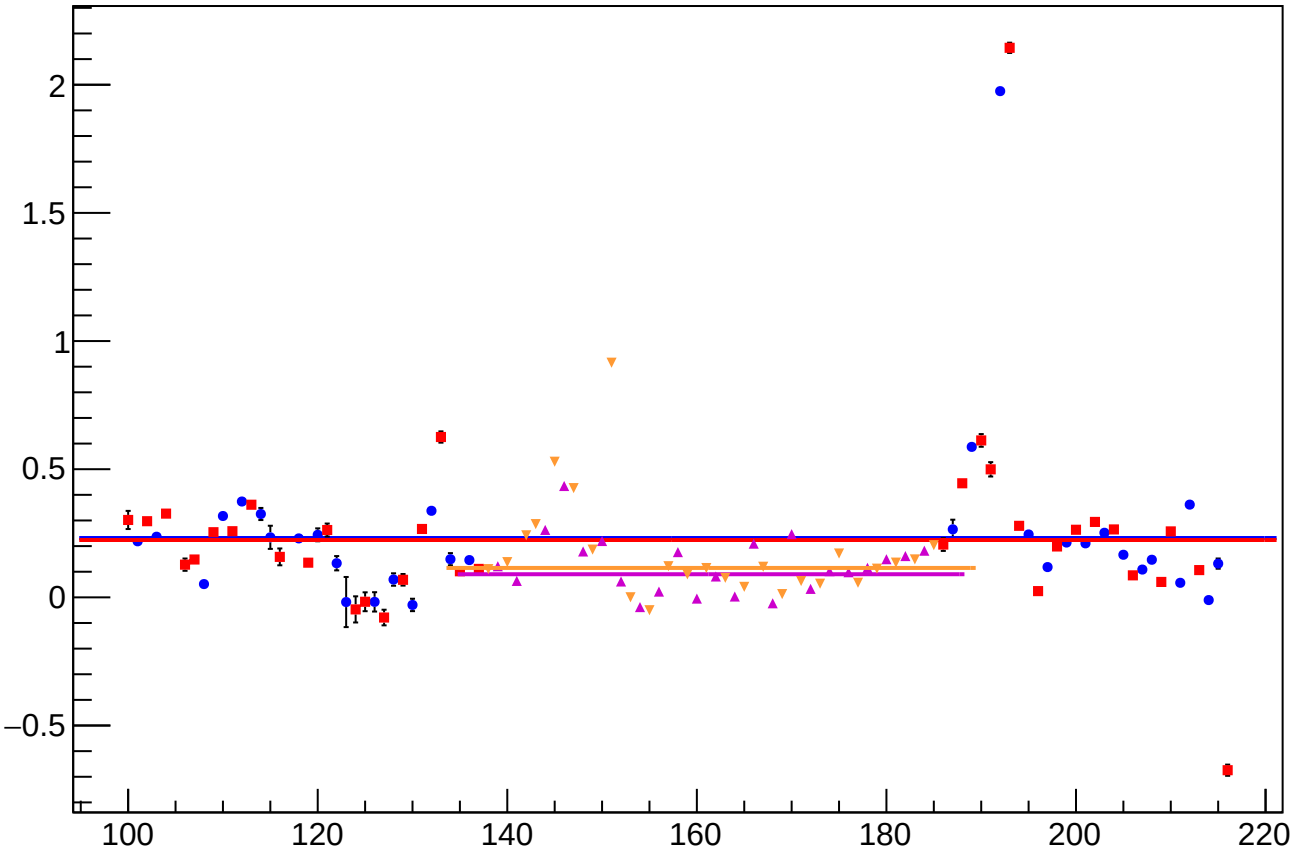
Left: -1.231+/-0.025 χ^2/NDF: 14632.9/47

Right: -0.712+/-0.037 χ^2/NDF: 8677.1/66

In: -1.031+/-0.029 χ^2/NDF:10808.0/54

Out: -1.103+/-0.030 χ^2/NDF:12632.9/59

All: -1.067+/-0.021 χ^2/NDF: 23443.9/114



Right In: 0.231+/-0.002 χ^2/NDF: 11742.0/31

Left Out: 0.115+/-0.002 χ^2/NDF:4431.9/24

Right Out: 0.224+/-0.002 χ^2/NDF: 13871.3/34

Left In: 0.090+/-0.002 χ^2/NDF:3676.5/22

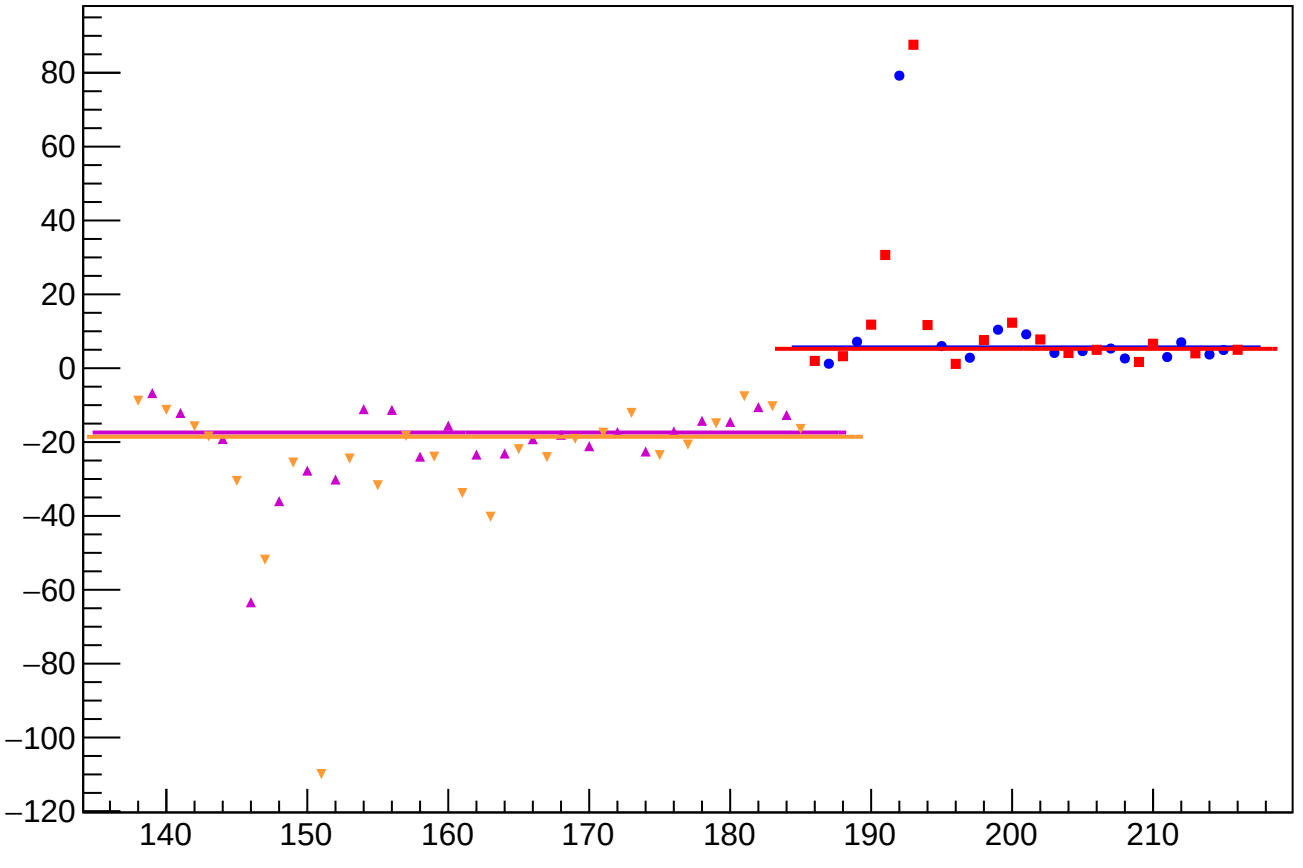
Left: 0.102+/-0.001 χ^2/NDF: 8228.2/47

Right: 0.228+/-0.002 χ^2/NDF: 25618.6/66

In: 0.132+/-0.001 χ^2/NDF:17912.8/54

Out: 0.151+/-0.001 χ^2/NDF:19773.8/59

All: 0.141+/-0.001 χ^2/NDF: 37790.9/114



Right In: 5.633+/-0.049 χ^2/NDF: 25705.0/14

Left Out: -18.566+/-0.040 χ^2/NDF:86389.6/24

Right Out: 5.249+/-0.049 χ^2/NDF: 26049.5/15

Left In: -17.414+/-0.039 χ^2/NDF:43504.1/22

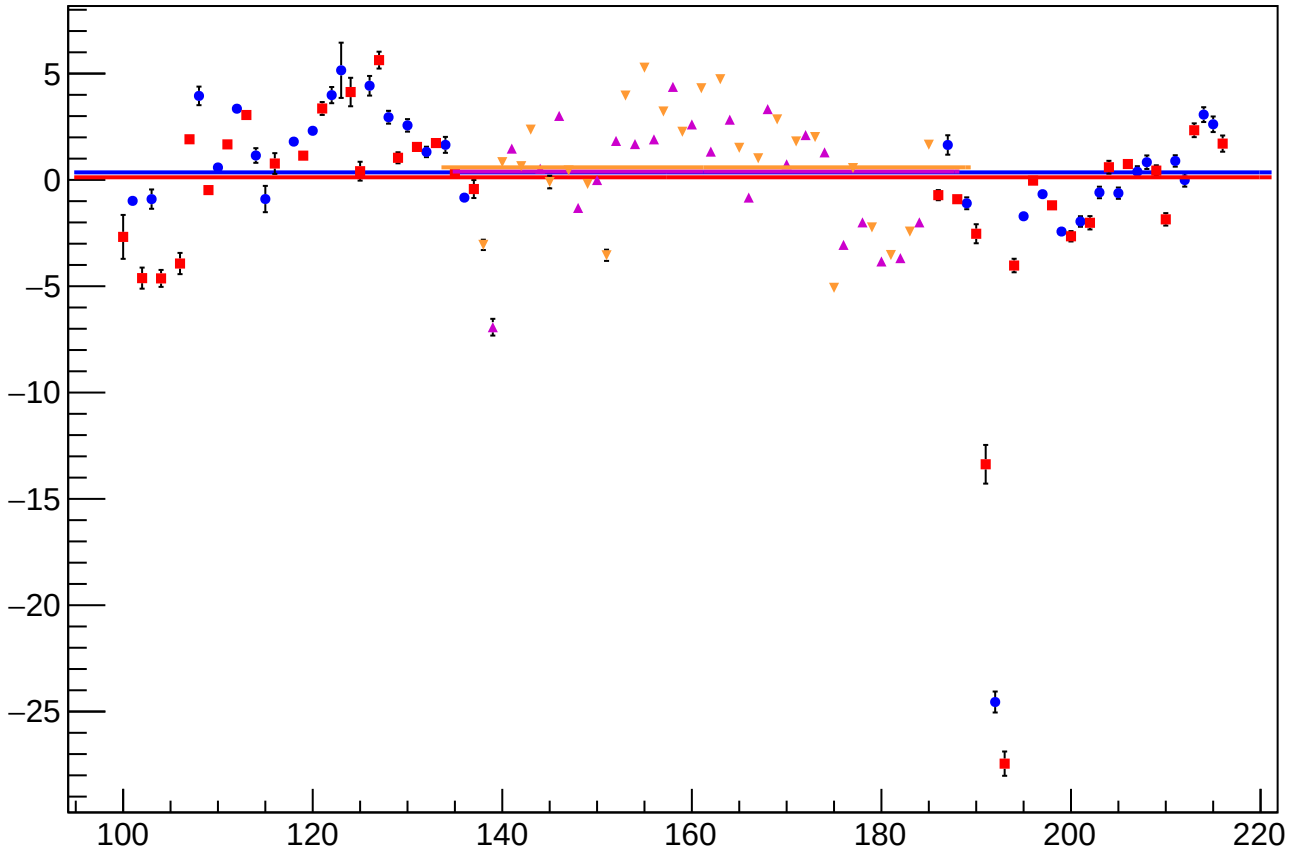
Left: -17.979+/-0.028 χ^2/NDF: 130314.7/47

Right: 5.439+/-0.035 χ^2/NDF: 51785.2/30

In: -8.457+/-0.031 χ^2/NDF:202857.9/37

Out: -8.938+/-0.031 χ^2/NDF:255051.6/40

All: -8.696+/-0.022 χ^2/NDF: 458031.5/78



Right In: 0.354+/-0.047 χ^2/NDF: 3969.6/31

Left Out: 0.591+/-0.033 χ^2/NDF:6796.5/24

Right Out: 0.122+/-0.045 χ^2/NDF: 4323.8/34

Left In: 0.394+/-0.032 χ^2/NDF:6059.8/22

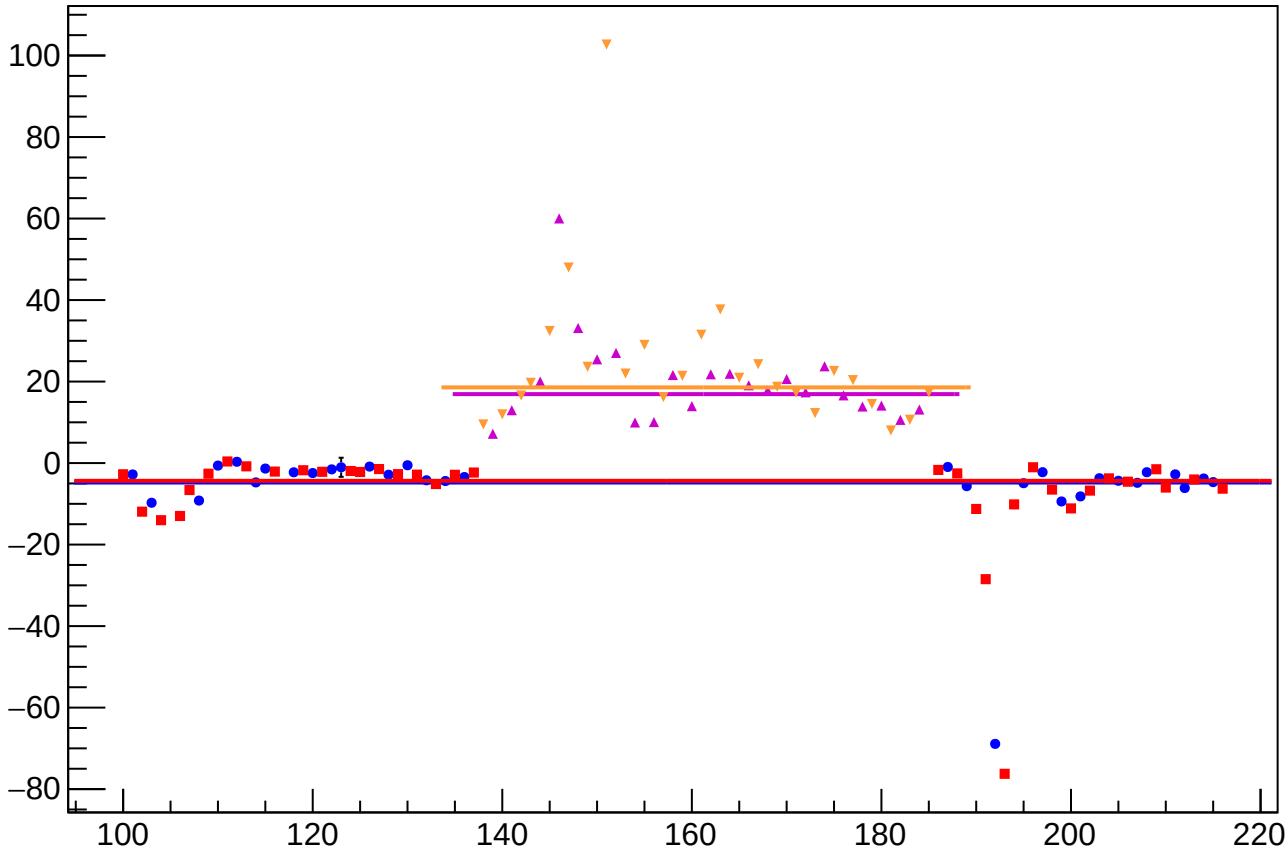
Left: 0.488+/-0.023 χ^2/NDF: 12874.6/47

Right: 0.232+/-0.033 χ^2/NDF: 8306.0/66

In: 0.382+/-0.026 χ^2/NDF:10029.9/54

Out: 0.425+/-0.027 χ^2/NDF:11190.4/59

All: 0.403+/-0.019 χ^2/NDF: 21221.6/114



Right In: -4.770+/-0.044 χ^2/NDF: 26412.7/31

Left Out: 18.573+/-0.040 χ^2/NDF:76029.9/24

Right Out: -4.355+/-0.041 χ^2/NDF: 27366.5/34

Left In: 16.919+/-0.039 χ^2/NDF:40154.5/22

Left: 17.718+/-0.028 χ^2/NDF: 117057.3/47

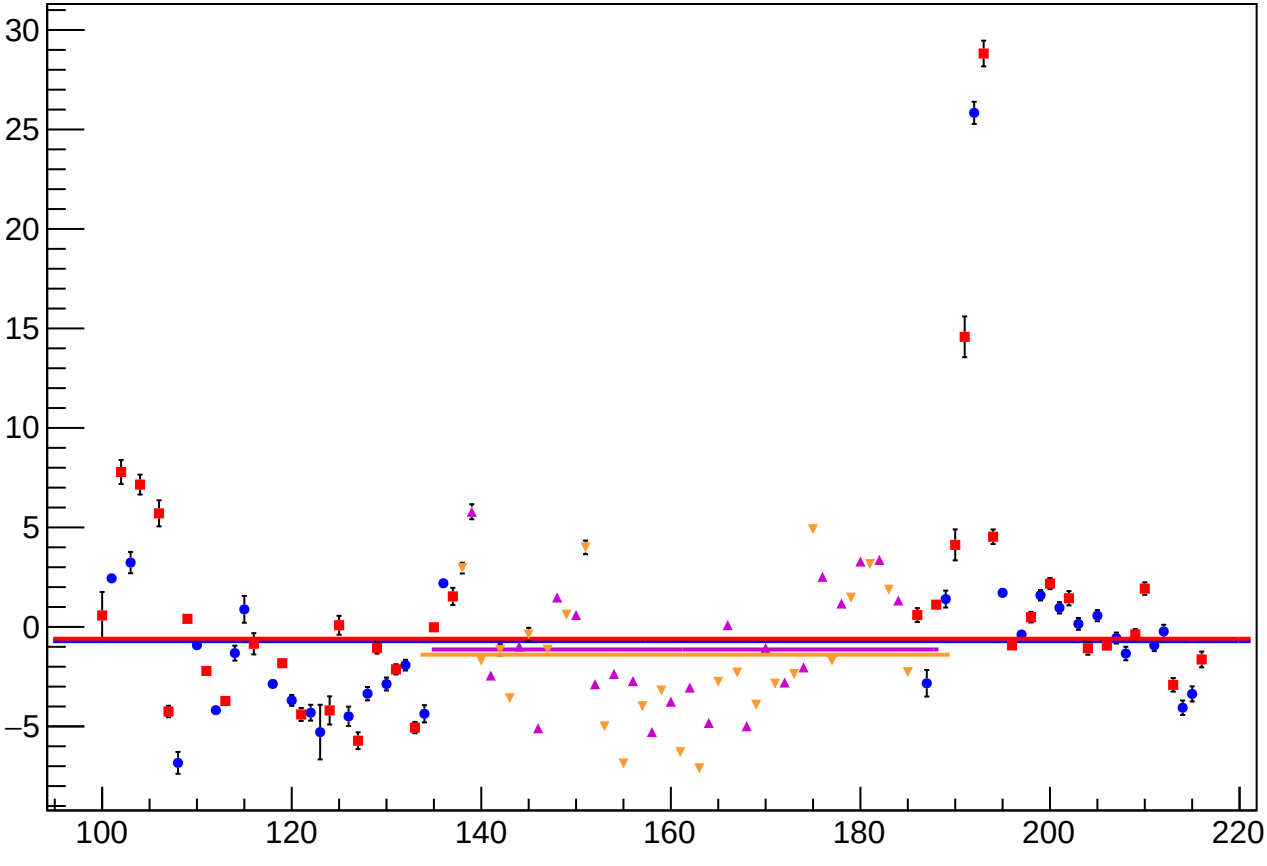
Right: -4.550+/-0.030 χ^2/NDF: 53827.2/66

In: 7.314+/-0.029 χ^2/NDF:204180.7/54

Out: 7.317+/-0.029 χ^2/NDF:262610.6/59

All: 7.316+/-0.020 χ^2/NDF: 466791.3/114

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.714+/-0.054 χ^2/NDF: 4046.1/31

Left Out: -1.396+/-0.037 χ^2/NDF:7651.5/24

Right Out: -0.595+/-0.052 χ^2/NDF: 4524.5/34

Left In: -1.135+/-0.035 χ^2/NDF:6597.7/22

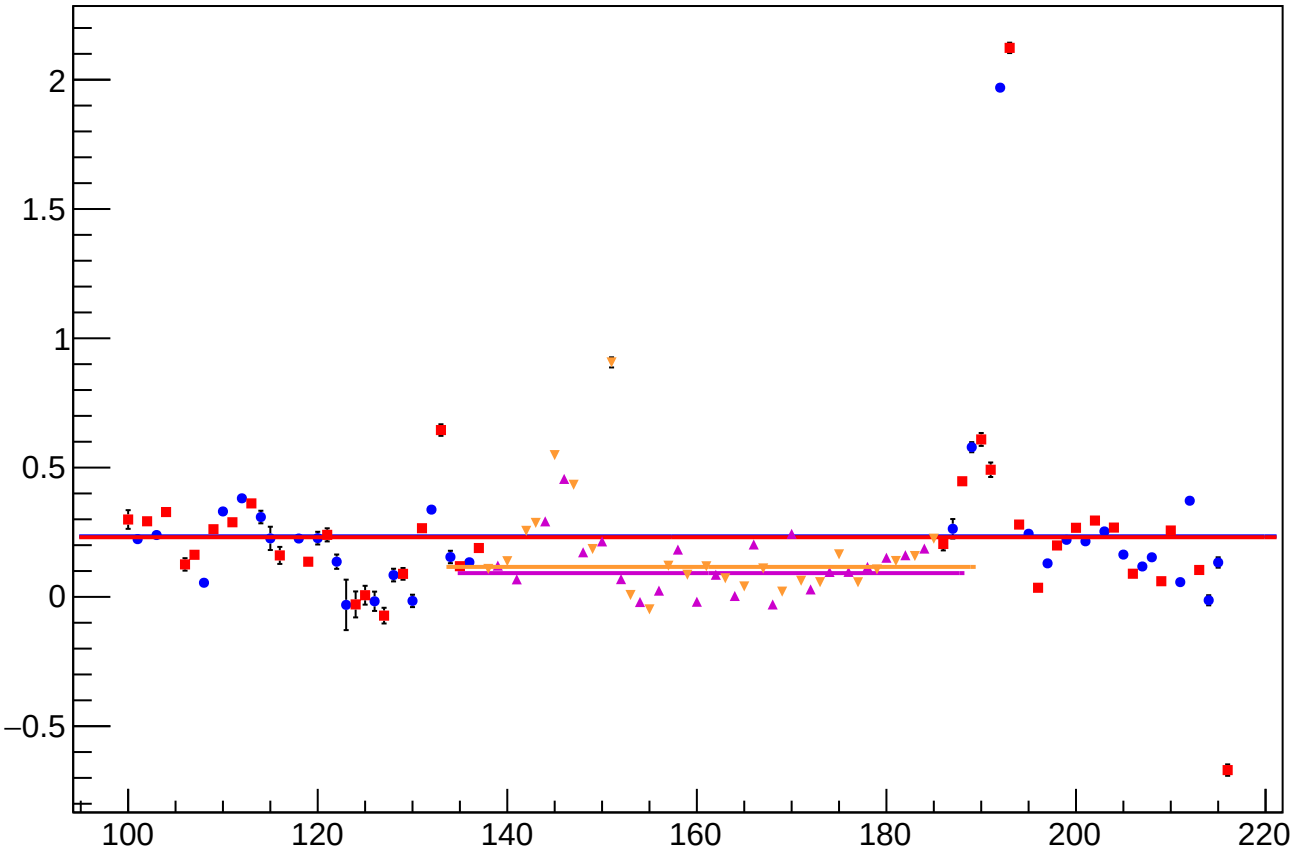
Left: -1.259+/-0.025 χ^2/NDF: 14275.6/47

Right: -0.652+/-0.038 χ^2/NDF: 8573.1/66

In: -1.010+/-0.030 χ^2/NDF:10686.1/54

Out: -1.128+/-0.030 χ^2/NDF:12333.8/59

All: -1.068+/-0.021 χ^2/NDF: 23027.8/114



Right In: 0.234+/-0.002 χ^2/NDF: 11487.5/31

Left Out: 0.116+/-0.002 χ^2/NDF:4463.0/24

Right Out: 0.231+/-0.002 χ^2/NDF: 13339.1/34

Left In: 0.092+/-0.002 χ^2/NDF:3631.4/22

Left: 0.103+/-0.001 χ^2/NDF: 8207.3/47

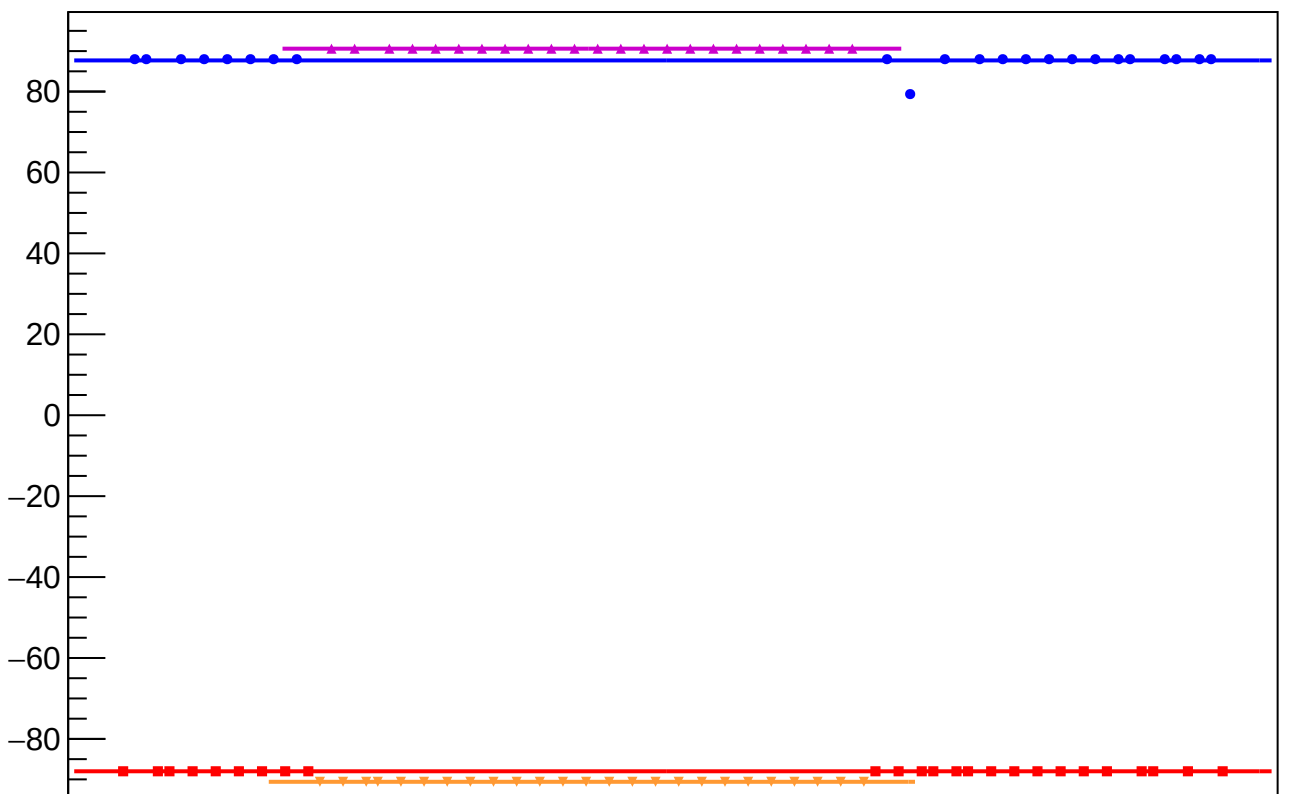
Right: 0.232+/-0.002 χ^2/NDF: 24827.7/66

In: 0.134+/-0.001 χ^2/NDF:17592.8/54

Out: 0.154+/-0.001 χ^2/NDF:19386.9/59

All: 0.143+/-0.001 χ^2/NDF: 37091.6/114

VWienAngle_mean vs Slug, Sign Corrected



Right In: 87.695+/-0.000 χ^2/NDF: 3661599069917252979823036636069888.0/22

Left Out: -90.599+/-0.000 χ^2/NDF:6053403.0/24

Right Out: -88.001+/-0.000 χ^2/NDF: 1542481.8/24

Left In: 90.599+/-0.000 χ^2/NDF:5932436.0/22

Left: -2.410+/-0.000 χ^2/NDF: 30521213250005045

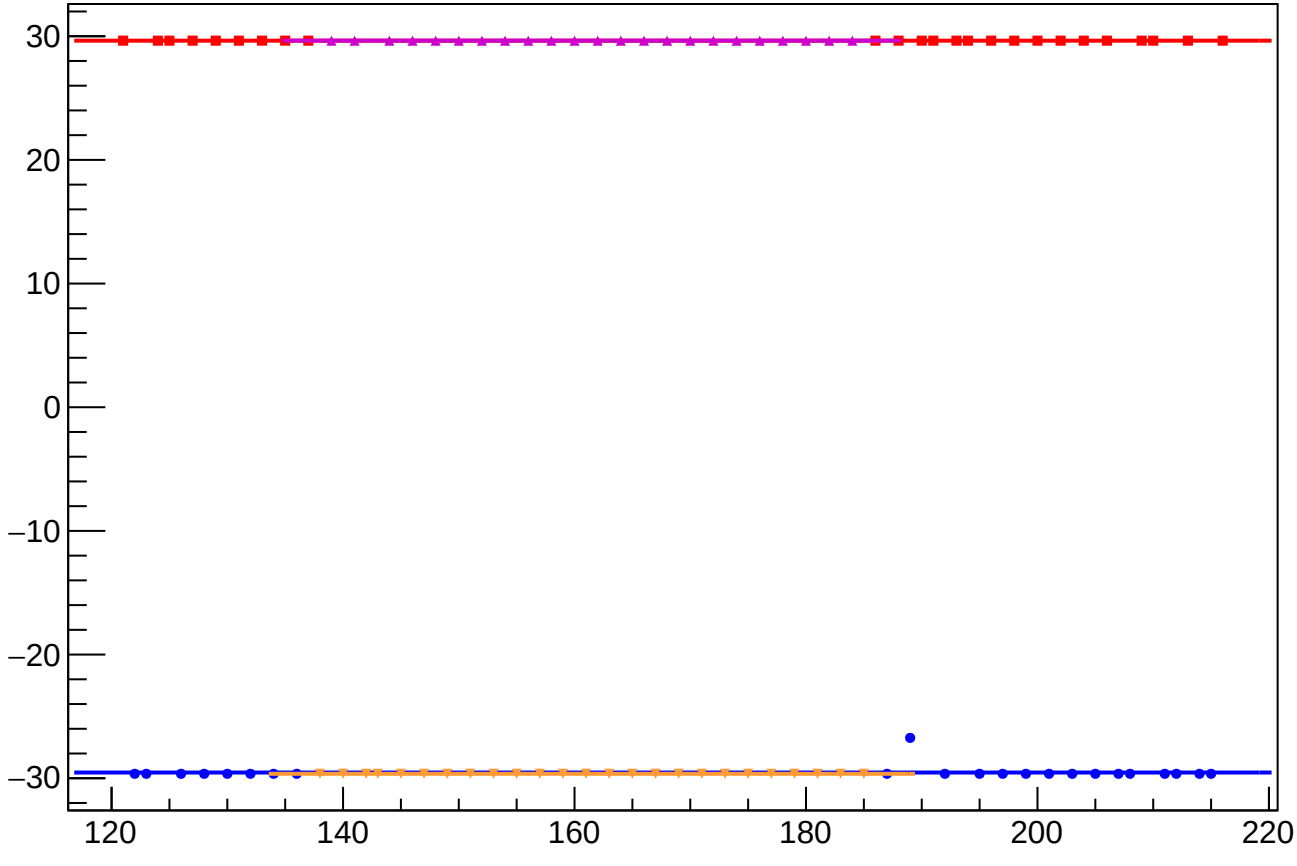
Right: -0.122+/-0.000 χ^2/NDF: 2220615586398883

In: 89.313+/-0.000 χ^2/NDF:10425511859420678

Out: -89.483+/-0.000 χ^2/NDF:5539666029037177

All: -1.413+/-0.000 χ^2/NDF: 5273586368916

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.538+/-0.000 χ^2/NDF: 41540862358840335310442195215974 4.0/22

Left Out: -29.641+/-0.000 χ^2/NDF:654199.2/24

Right Out: 29.641+/-0.000 χ^2/NDF: 1515849.9/24

Left In: 29.641+/-0.000 χ^2/NDF:511825.6/22

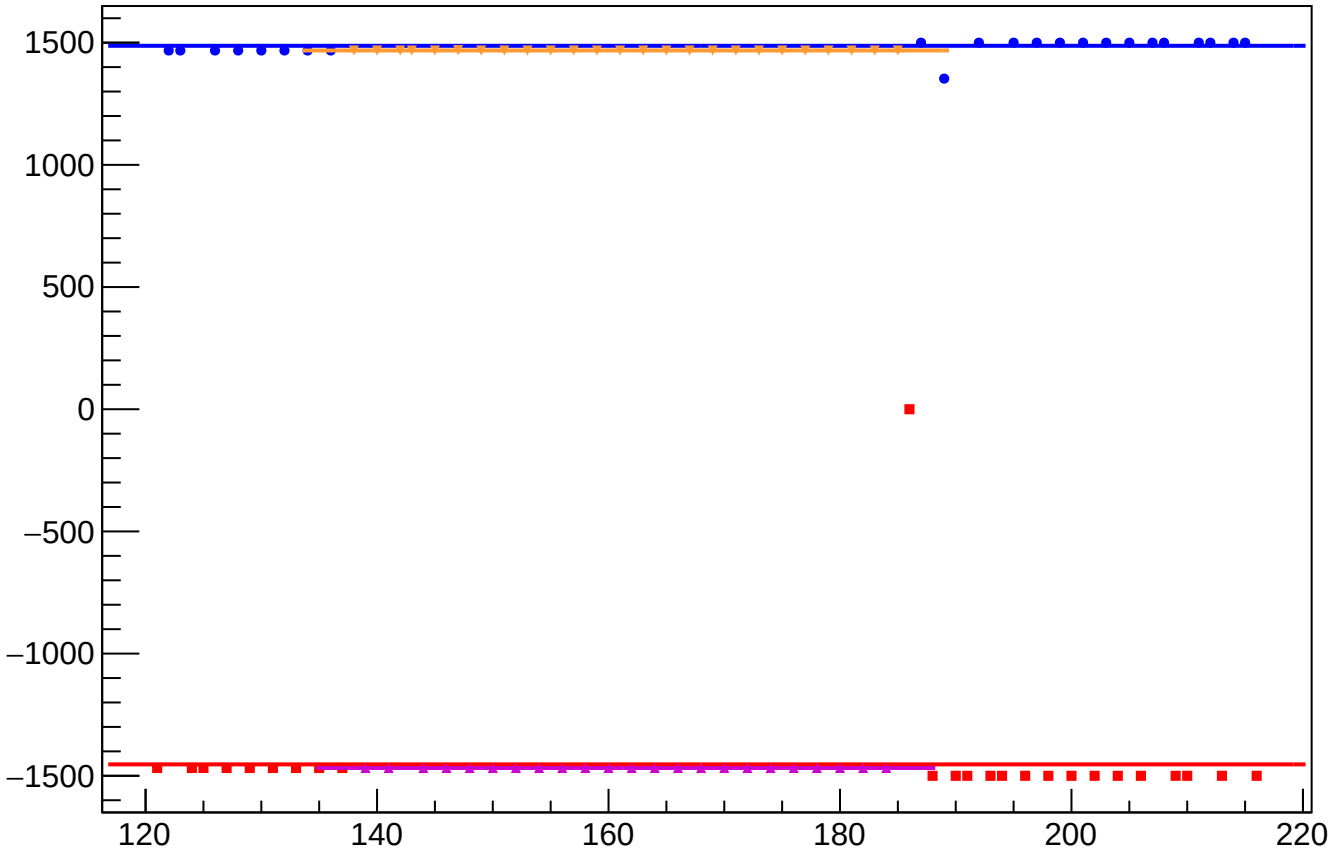
Left: -0.789+/-0.000 χ^2/NDF: 32668496095314519

Right: 0.041+/-0.000 χ^2/NDF: 25192896509168855

In: 3.438+/-0.000 χ^2/NDF:2808579945755485668

Out: -4.179+/-0.000 χ^2/NDF:28829943978655721

All: -0.427+/-0.000 χ^2/NDF: 5787256532494



Right In: 1487.246+/-0.000 χ^2/NDF: 12164243976931421986536421754667008 00.0/22

Left Out: 1468.048+/-0.000 χ^2/NDF:12796098092296597503906950204620 8.0/24

Right Out: -1453.304+/-0.000 χ^2/NDF: 82688321038674718662241970692904976384.0/24

Left In: -1467.994+/-0.000 χ^2/NDF:14584870234027503531099317862 4.0/22

Left: 39.085+/-0.000 χ^2/NDF: 80133946076775322

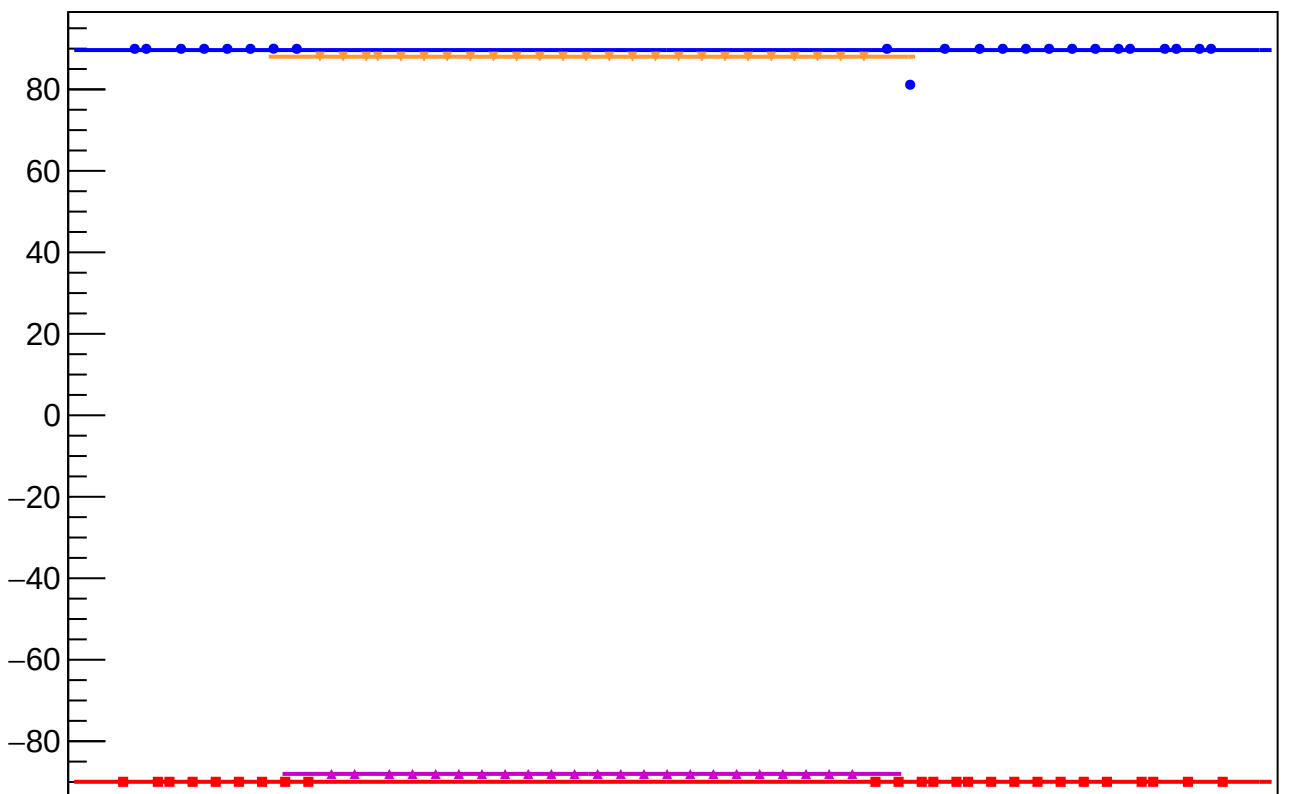
Right: 17.482+/-0.000 χ^2/NDF: 6303135694714925

In: -159.505+/-0.000 χ^2/NDF:7004168650446027

Out: 213.298+/-0.000 χ^2/NDF:7083919205415032

All: 29.665+/-0.000 χ^2/NDF: 143172874984

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.647+/-0.000 χ^2/NDF: 3826858604425102603679380795293696.0/22

Left Out: 88.021+/-0.000 χ^2/NDF:5326388.8/24

Right Out: -89.959+/-0.000 χ^2/NDF: 4333408.6/24

Left In: -88.021+/-0.000 χ^2/NDF:6084099.2/22

Left: 2.342+/-0.000 χ^2/NDF: 2880857693124019

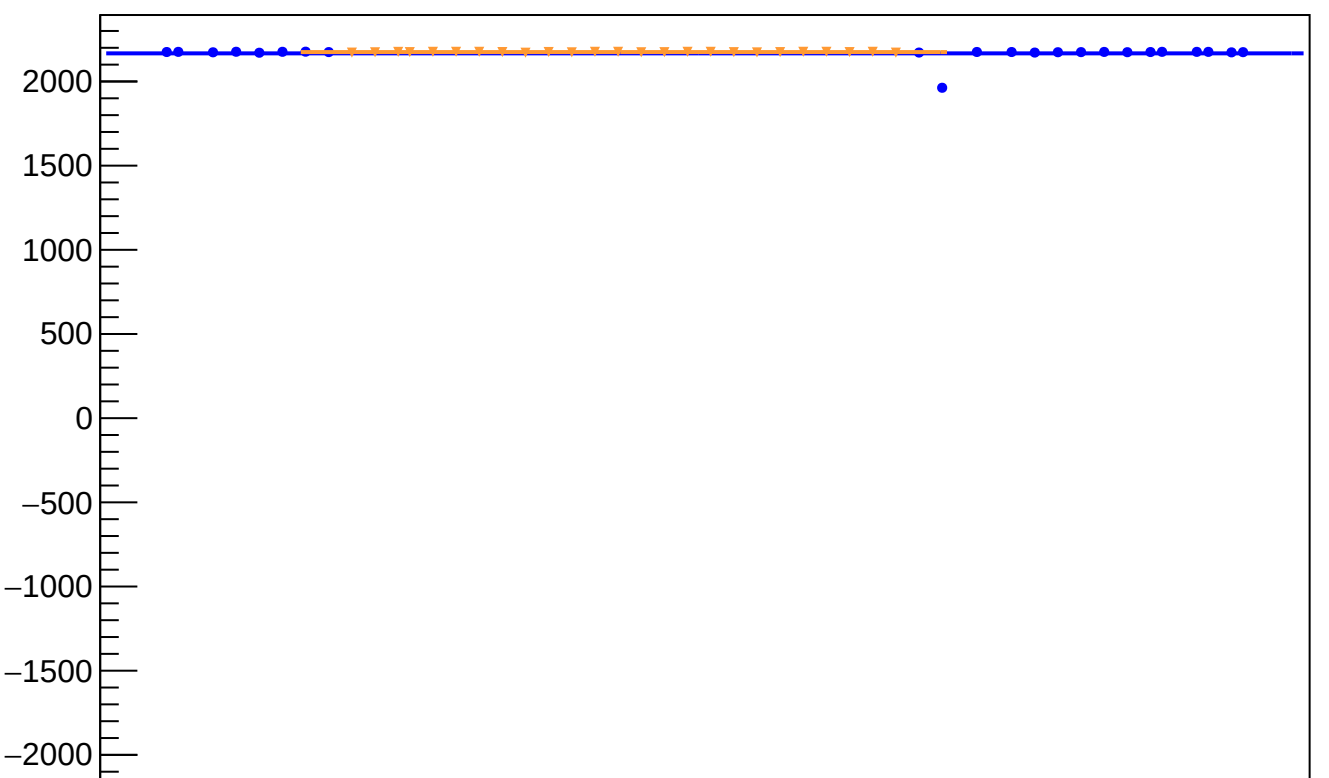
Right: -0.125+/-0.000 χ^2/NDF: 232057465519578

In: -9.355+/-0.000 χ^2/NDF:25315092021817209

Out: 11.576+/-0.000 χ^2/NDF:2598658487724966

All: 1.266+/-0.000 χ^2/NDF: 5202419573378

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2166.974+/-0.000 χ^2/NDF: 2211056324357146436969492293884051456.0/22

Left Out: 2174.622+/-0.000 χ^2/NDF:5110578135476093110874911595823104.0/24

Right Out: -2174.384+/-0.000 χ^2/NDF: 695227905721298231384279449023 2832.0/24

Left In: -2174.539+/-0.000 χ^2/NDF:340074256242516896749466539157 0944.0/22

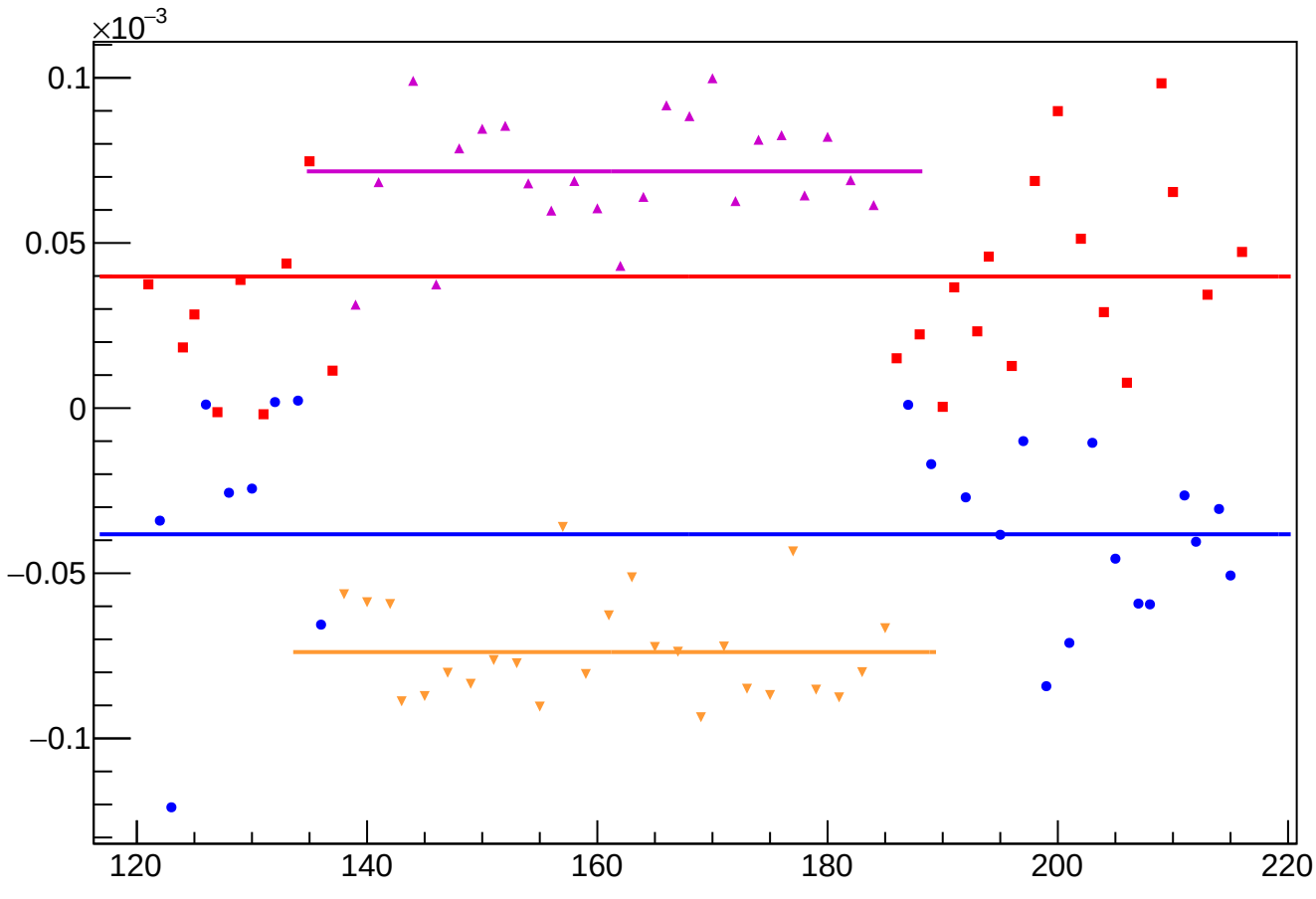
Left: 57.898+/-0.000 χ^2/NDF: 17583418754650851

Right: -2.951+/-0.000 χ^2/NDF: 1355820165729489

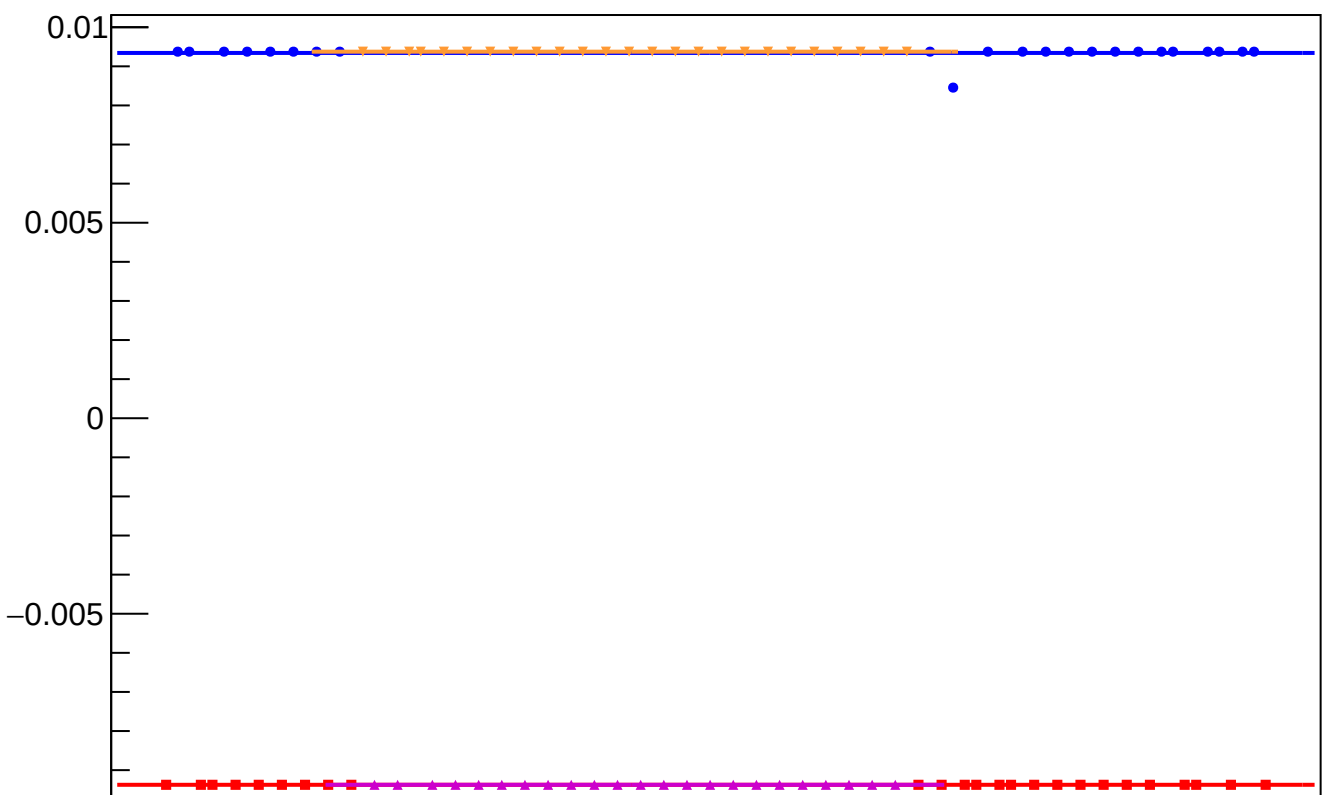
In: -252.251+/-0.000 χ^2/NDF:1511616784675842

Out: 306.680+/-0.000 χ^2/NDF:1551626471796114

All: 31.365+/-0.000 χ^2/NDF: 3114762780924


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 8273096818295316173291520.0/22
Left Out: -0.000+/-0.000 χ²/NDF:450400934180541069000704.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1122062424484422310952960.0/24
Left In: 0.000+/-0.000 χ²/NDF:562166279020739416817664.0/22
Left: -0.000+/-0.000 χ²/NDF: 20702696564433151
Right: 0.000+/-0.000 χ²/NDF: 63286661036616674
In: 0.000+/-0.000 χ²/NDF:1106922734215641205
Out: -0.000+/-0.000 χ²/NDF:12177400210058473
All: -0.000+/-0.000 χ²/NDF: 2705523272318

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

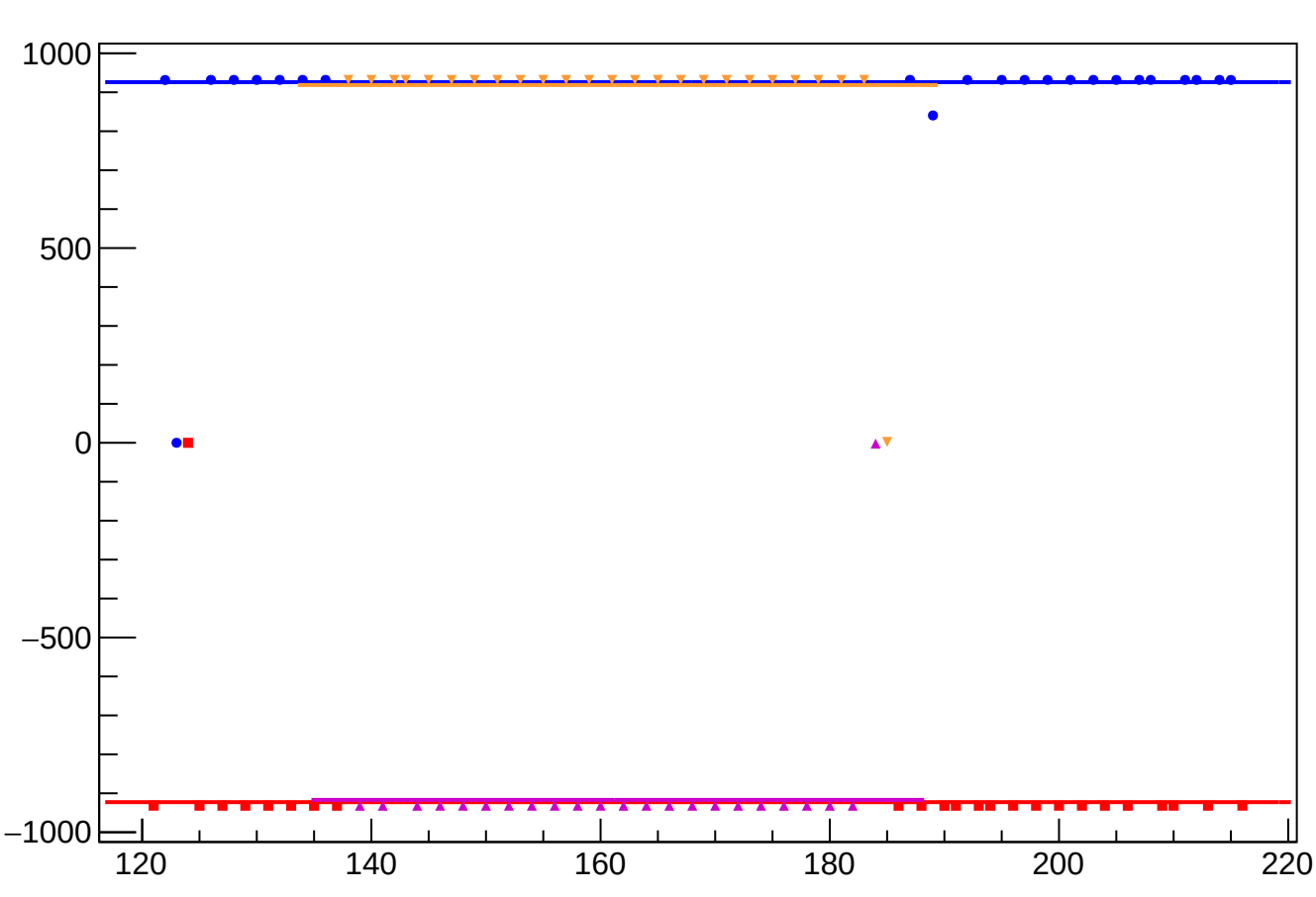
Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

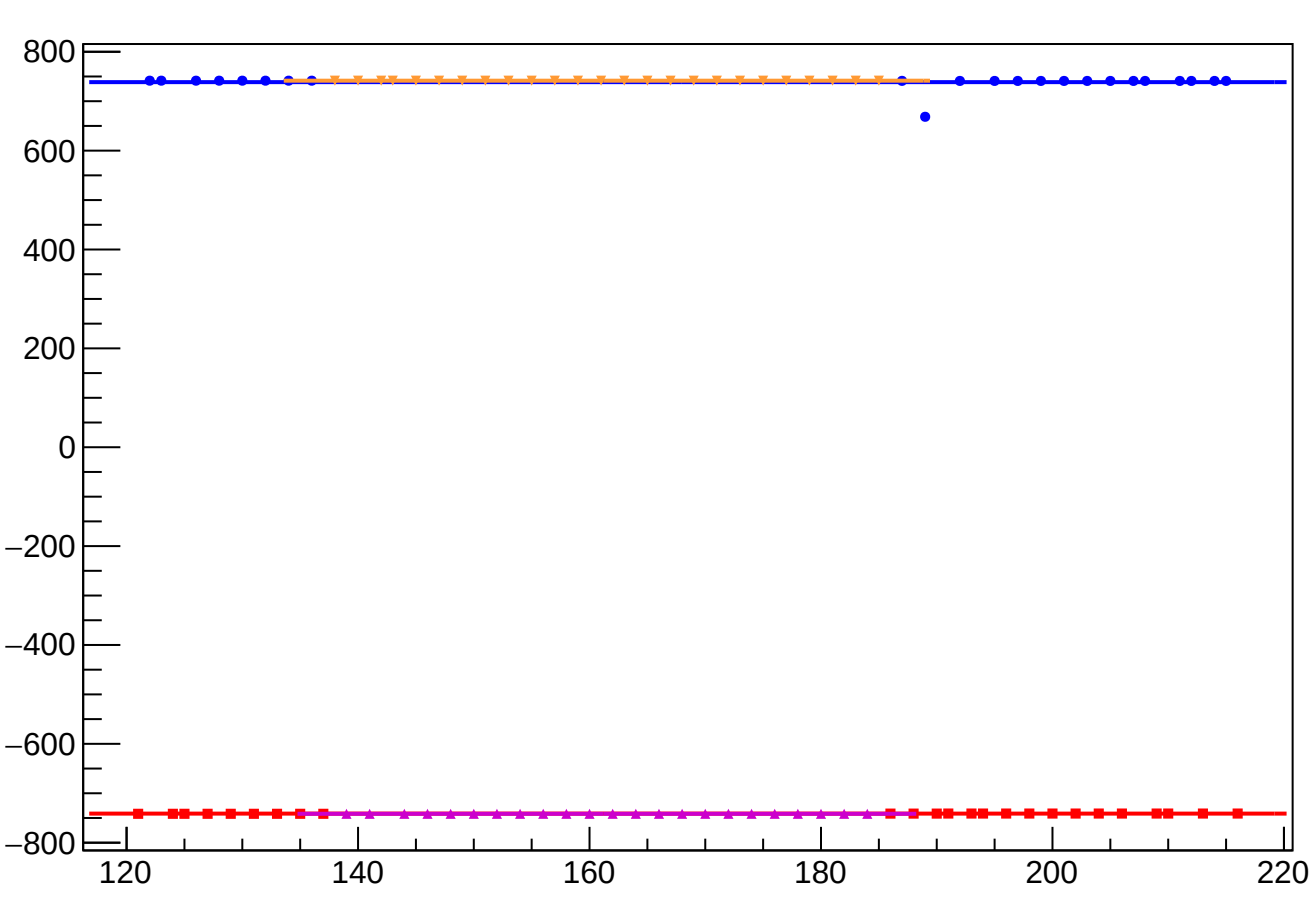
Right: -0.000+/-0.000 χ^2/NDF: 2520250167242986

In: -0.001+/-0.000 χ^2/NDF:28096507582720523

Out: 0.001+/-0.000 χ^2/NDF:288409358198924014

All: 0.000+/-0.000 χ^2/NDF: 57894630093803


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
120
140
160
180
200
220
Left: 25.295+/-0.000 χ²/NDF: 3179638572182401
Right In: 925.951+/-0.000 χ²/NDF: 384874723865165279364583530873801932 8.0/22
Right: 1.939+/-0.000 χ²/NDF: 2473971703043452
Left Out: 918.645+/-0.000 χ²/NDF:230034987040560849397524325213363240 96.0/24
In: -100.937+/-0.000 χ²/NDF:2751666331261415
Right Out: -922.716+/-0.000 χ²/NDF: 120360314367704956872147195421010165 76.0/24
Out: 127.762+/-0.000 χ²/NDF:2816574614118370
Left In: -916.890+/-0.000 χ²/NDF:246678949174762312502869443888881336 32.0/22
All: 15.111+/-0.000 χ²/NDF: 5654495400750



Right In: 738.575+/-0.000 χ^2/NDF: 259695827327483166432240915441516544.0/22

Left Out: 741.513+/-0.000 χ^2/NDF:244782737401533731539808944128.0/24

Right Out: -741.152+/-0.000 χ^2/NDF: 60103900503232207779752528838656.0/24

Left In: -741.512+/-0.000 χ^2/NDF:215375309108434607405602439168.0/22

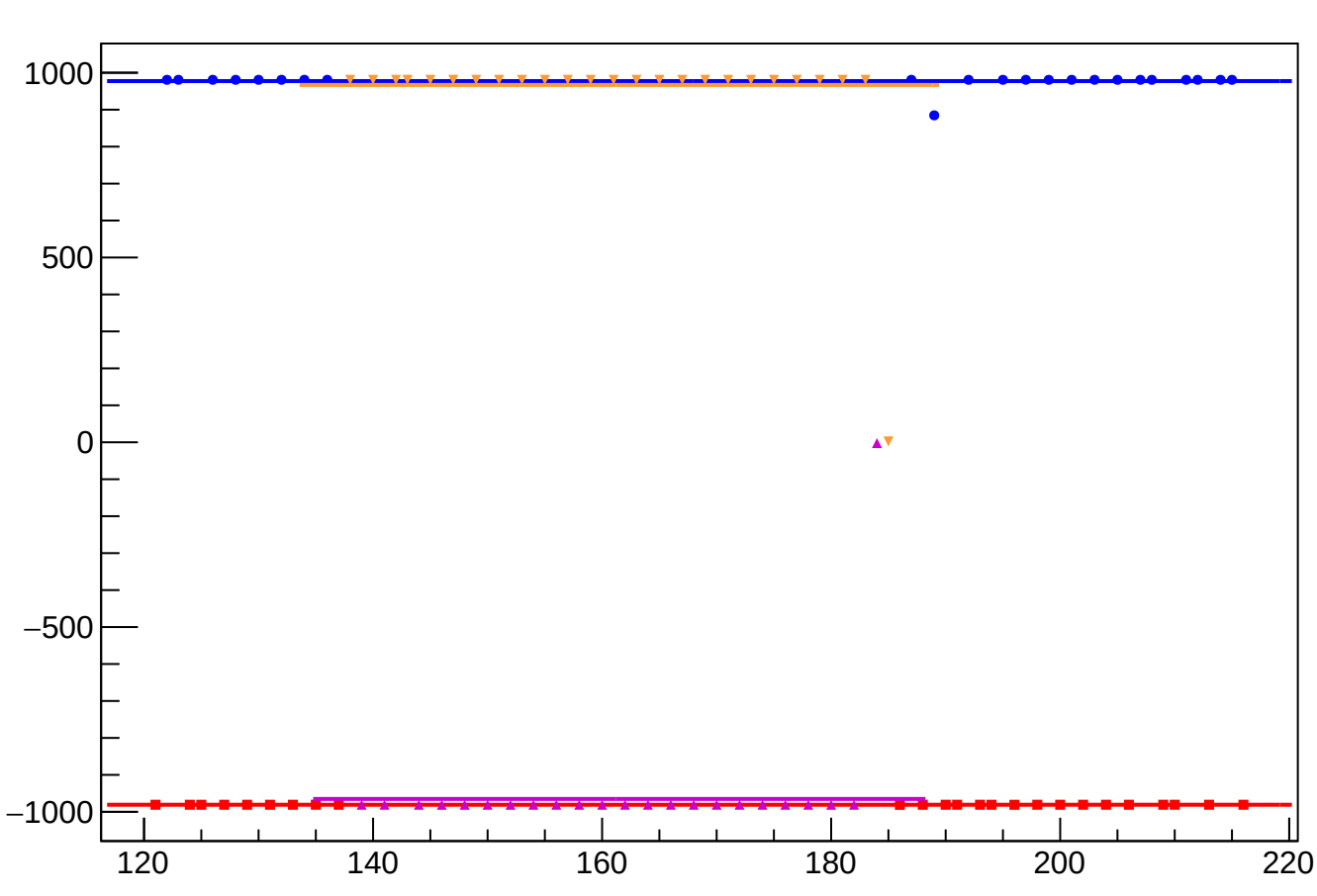
Left: 19.729+/-0.000 χ^2/NDF: 20445098666994125

Right: -1.032+/-0.000 χ^2/NDF: 1575124139973966

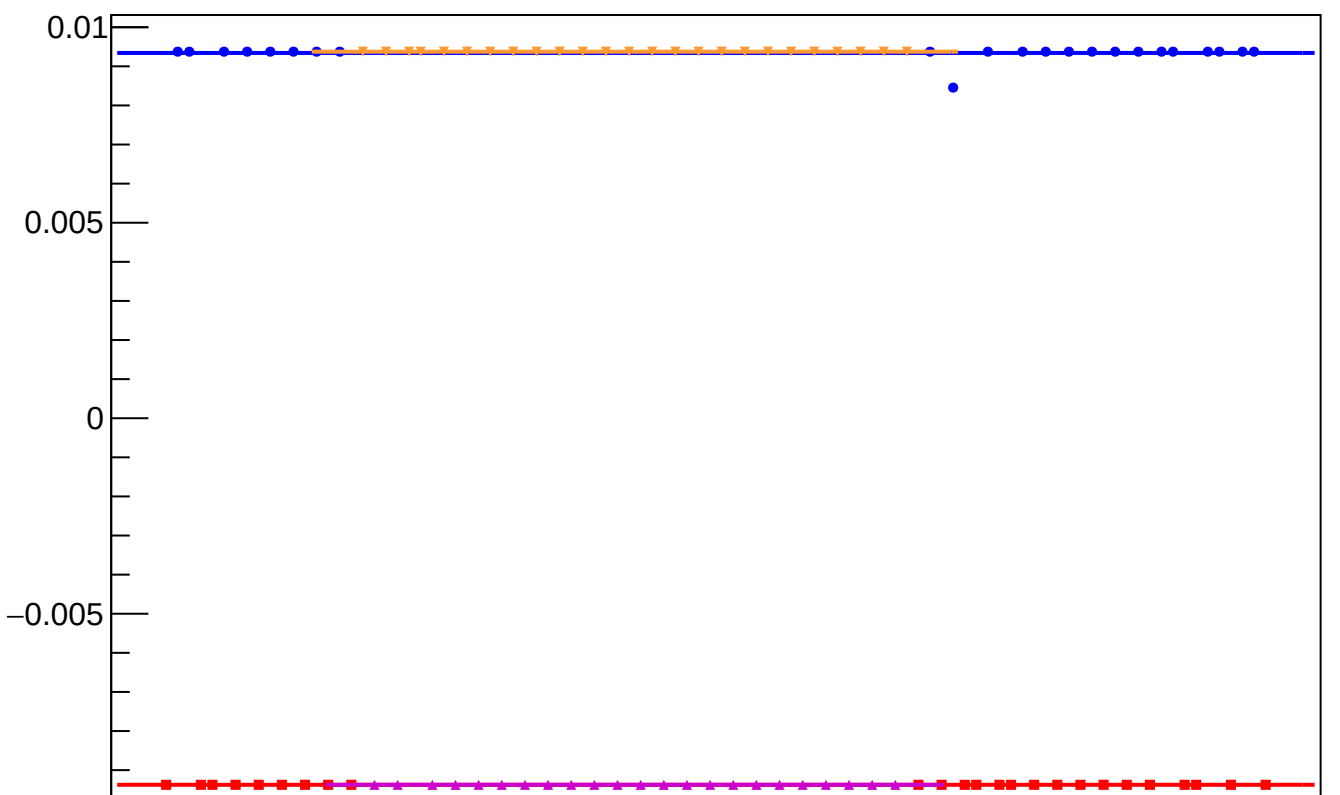
In: -86.175+/-0.000 χ^2/NDF:1756849874547915

Out: 104.693+/-0.000 χ^2/NDF:1803404199176571

All: 10.676+/-0.000 χ^2/NDF: 3620333300653


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
120
140
160
180
200
220
Right In: 977.400+/-0.000 χ²/NDF: 4549505518281894475242543243738 48064.0/22
Left Out: 966.936+/-0.000 χ²/NDF:254855786165434586294322846451839795 20.0/24
Right Out: -980.816+/-0.000 χ²/NDF: 353641310840403616115364515020 8.0/24
Left In: -965.102+/-0.000 χ²/NDF:273303194300124414193563519141460049 92.0/22
Left: 26.619+/-0.000 χ²/NDF: 3522768429667559
Right: -1.368+/-0.000 χ²/NDF: 2758497838203641
In: -105.022+/-0.000 χ²/NDF:3053436796232569
Out: 130.357+/-0.000 χ²/NDF:3137732975825611
All: 14.415+/-0.000 χ²/NDF: 628253706577

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

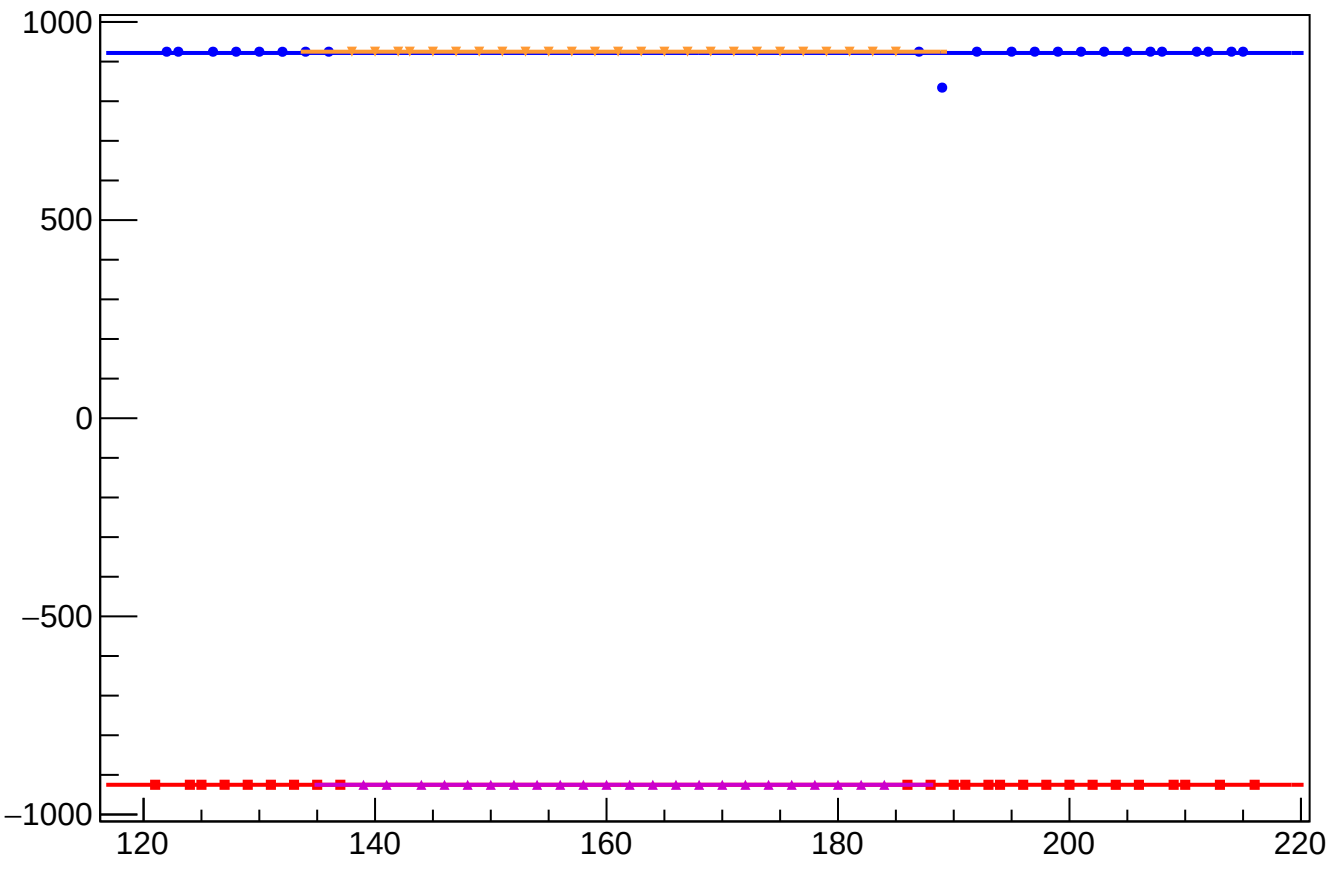
Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

Right: -0.000+/-0.000 χ^2/NDF: 2520250167242986

In: -0.001+/-0.000 χ^2/NDF:28096507582720523

Out: 0.001+/-0.000 χ^2/NDF:288409358198924014

All: 0.000+/-0.000 χ^2/NDF: 5789463009380



Right In: 921.781+/-0.000 χ^2/NDF: 4042676101817781294125190575334359O4.0/22

Left Out: 924.983+/-0.000 χ^2/NDF:1041831865443970524066476982272.0/24

Right Out: -924.999+/-0.000 χ^2/NDF: 887307953563411297944695996416.0/24

Left In: -924.983+/-0.000 χ^2/NDF:888539224321534960792212865024.0/22

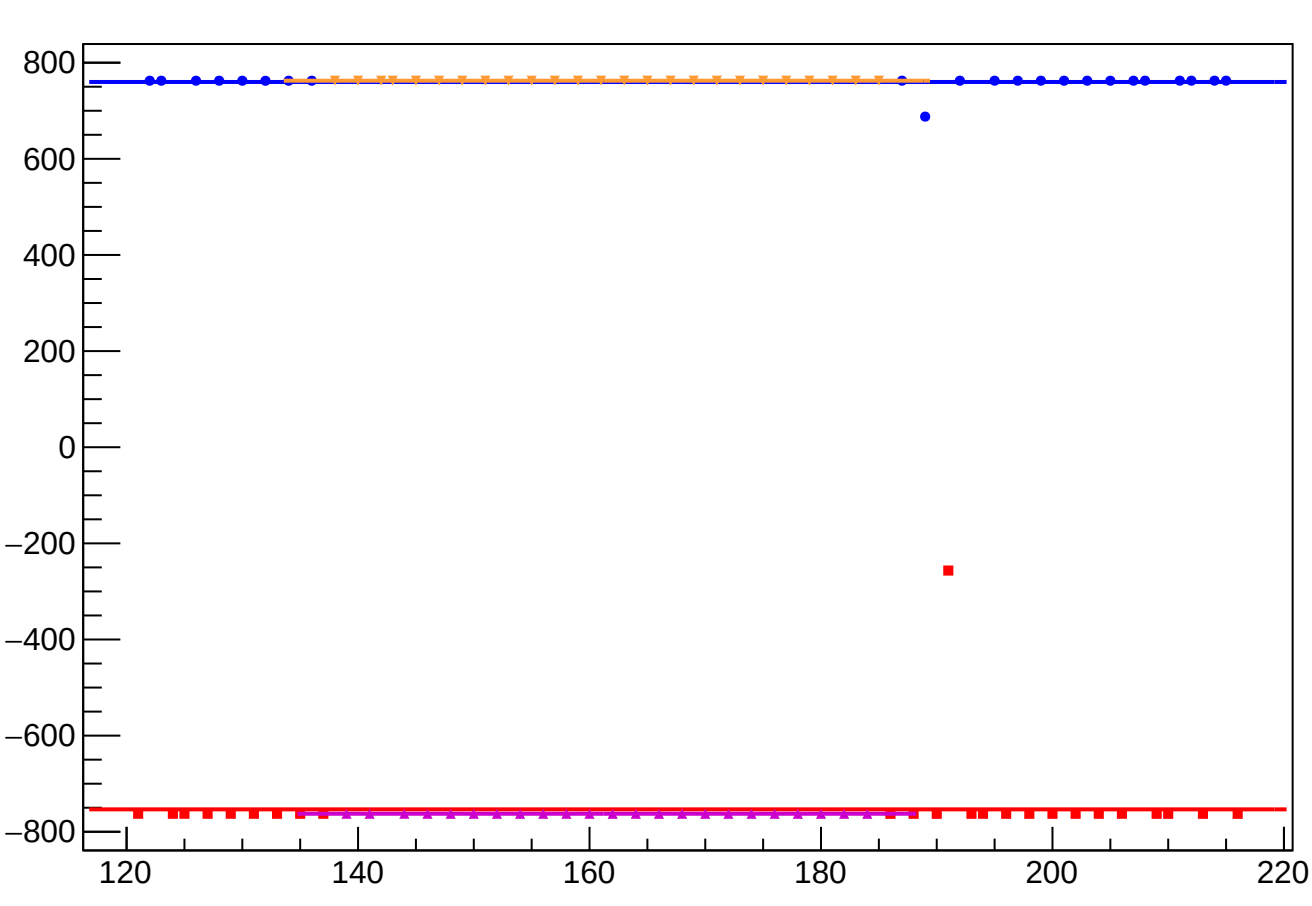
Left: 24.610+/-0.000 χ^2/NDF: 3181408269392091

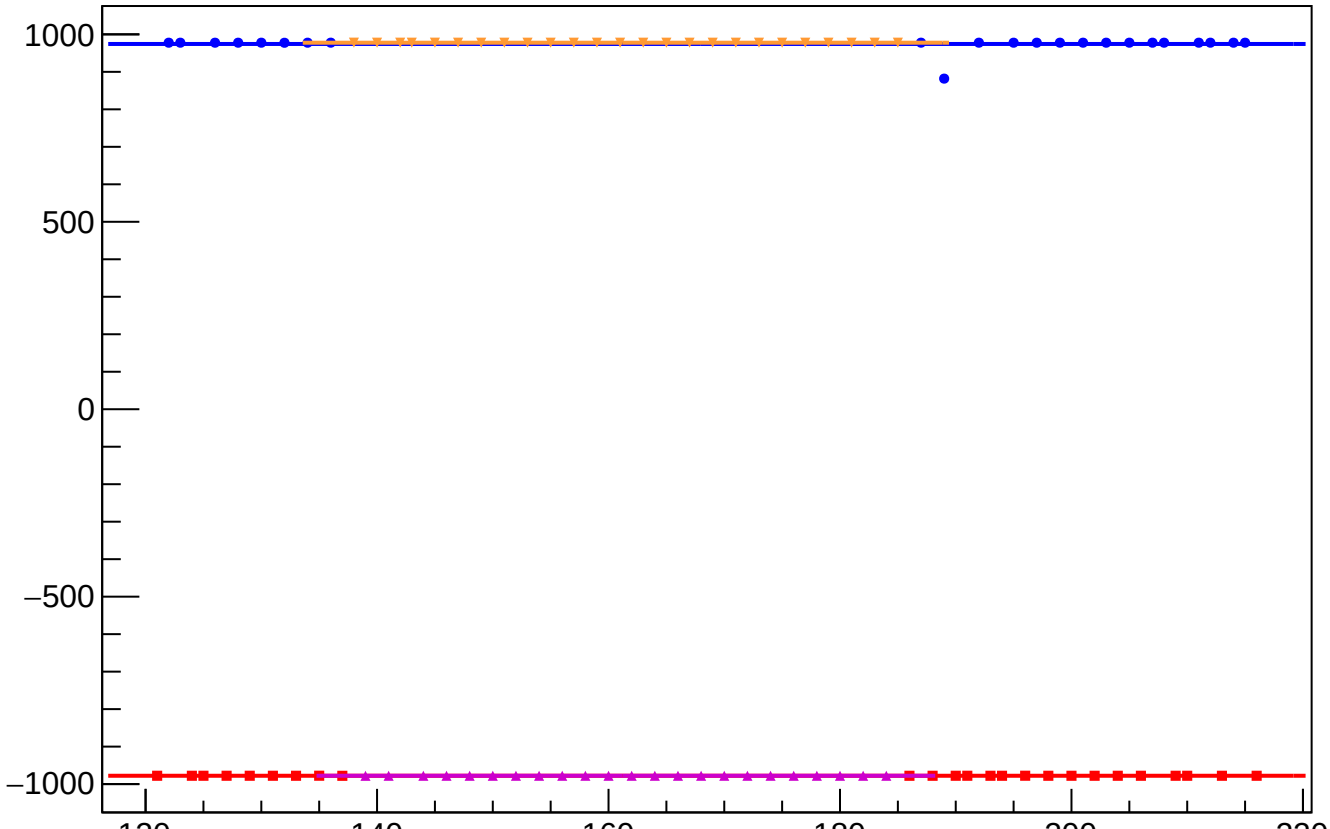
Right: -1.288+/-0.000 χ^2/NDF: 245347495261930

In: -107.293+/-0.000 χ^2/NDF:2735161263619772

Out: 130.397+/-0.000 χ^2/NDF:280764008965246

All: 13.317+/-0.000 χ^2/NDF: 563597140268


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
120
140
160
180
200
220
Right In: 759.880+/-0.000 χ²/NDF: 27462497833705313341519484795486 2080.0/22
Left Out: 762.518+/-0.000 χ²/NDF:731741258759628909874415403008.0/24
Right Out: -753.390+/-0.000 χ²/NDF: 65362549179097907724462455343860 94080.0/24
Left In: -762.519+/-0.000 χ²/NDF:62905835541921440815529748070 4.0/22
Left: 20.287+/-0.000 χ²/NDF: 2161987412823035
Right: 3.508+/-0.000 χ²/NDF: 16538840863338547
In: -88.447+/-0.000 χ²/NDF:18587342659734806
Out: 111.420+/-0.000 χ²/NDF:1891715782346482
All: 12.971+/-0.000 χ²/NDF: 3816328283601



Right In: 974.364+/-0.000 χ^2/NDF: 45185491990513727992971905471820595 2.0/22

Left Out: 977.738+/-0.000 χ^2/NDF:1154150409979077132991401558016.0/24

Right Out: -977.757+/-0.000 χ^2/NDF: 185405441972192353912982654156 8.0/24

Left In: -977.735+/-0.000 χ^2/NDF:976503887937607318263199432704.0/22

Left: 26.015+/-0.000 χ^2/NDF: 3554639715066311 7

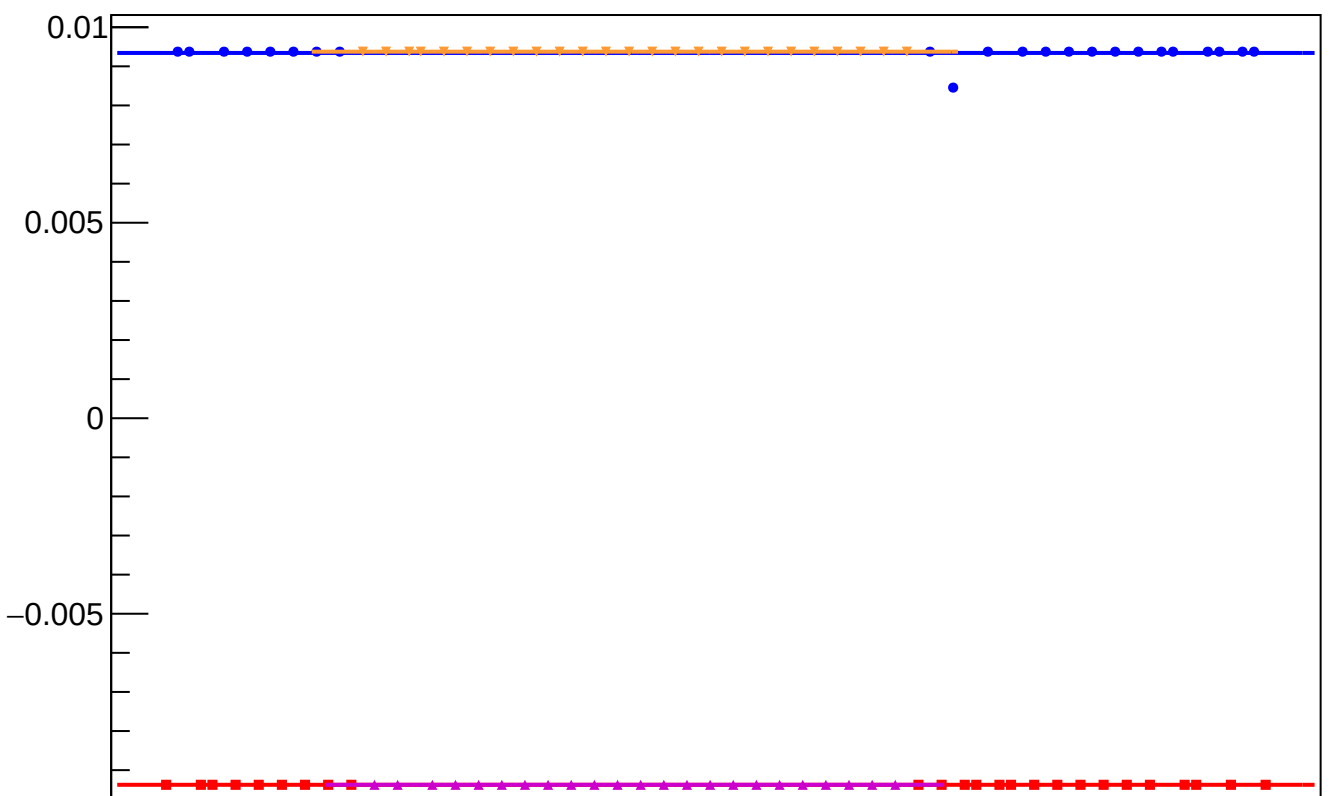
Right: -1.357+/-0.000 χ^2/NDF: 274135098332627 9

In: -113.406+/-0.000 χ^2/NDF:305607167919263 1

Out: 137.833+/-0.000 χ^2/NDF:313703979022986 0

All: 14.079+/-0.000 χ^2/NDF: 629720634260 5

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4155670042513083518156800 0.0/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

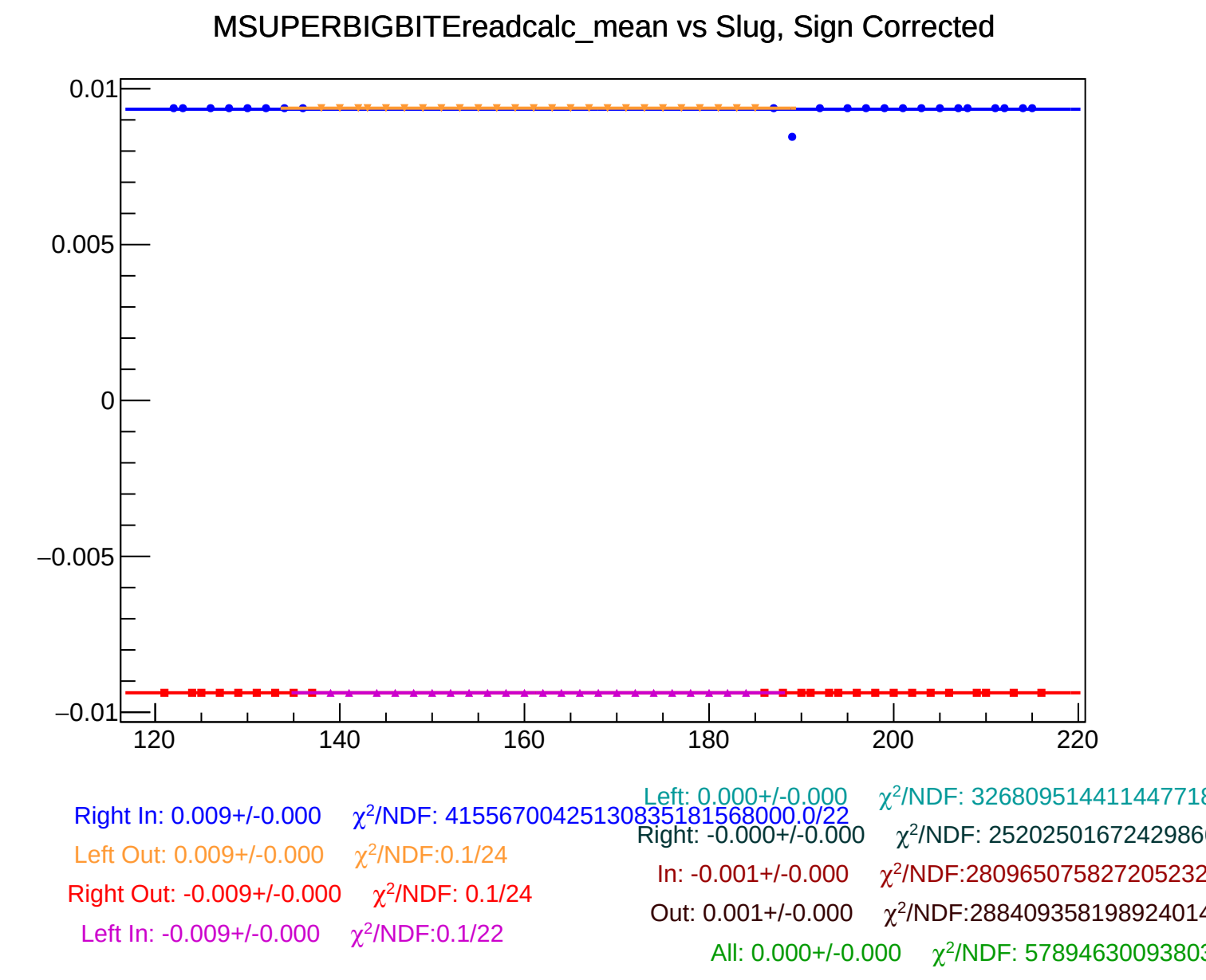
Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

Right: -0.000+/-0.000 χ^2/NDF: 2520250167242986

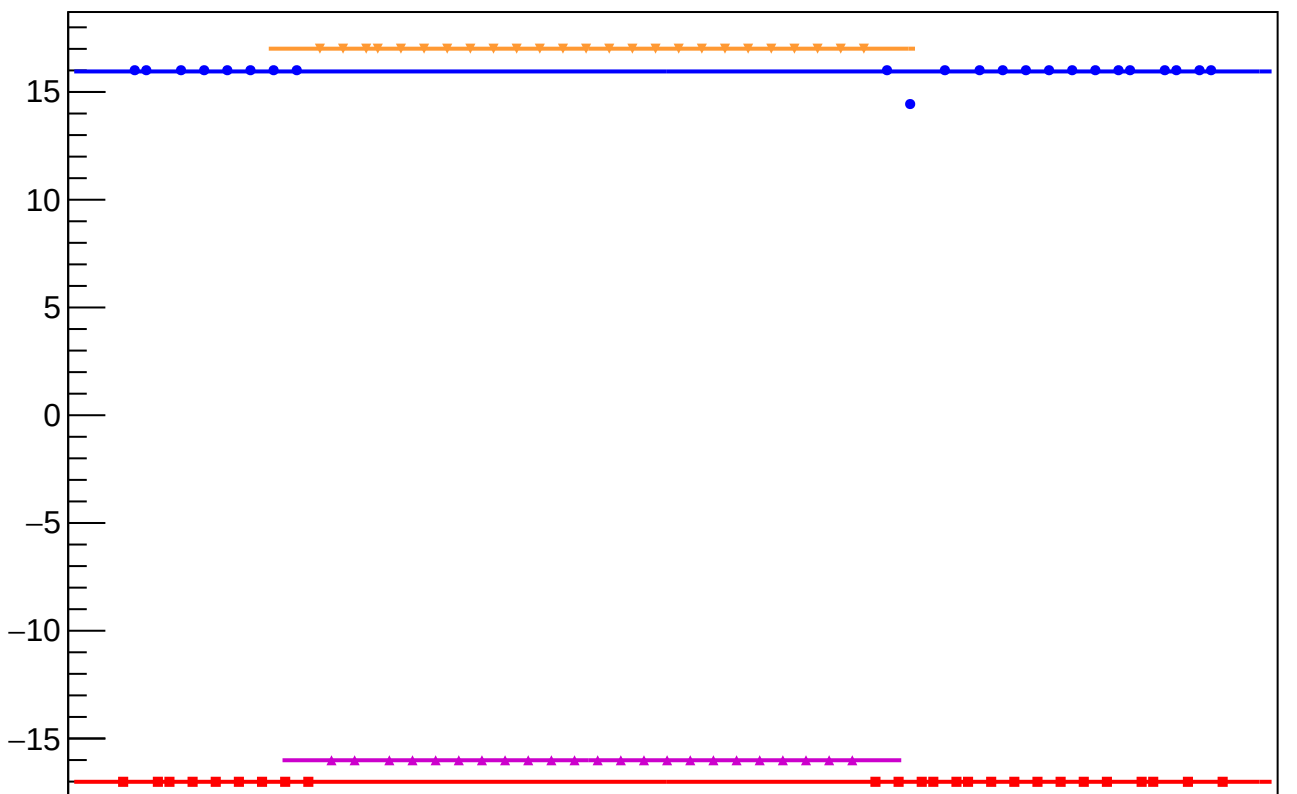
In: -0.001+/-0.000 χ^2/NDF:280965075827205232

Out: 0.001+/-0.000 χ^2/NDF:288409358198924014

All: 0.000+/-0.000 χ^2/NDF: 5789463009380


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 4155670042513083518156800 0.0/22
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.1/24
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 326809514411447718
Right: -0.000+/-0.000 χ²/NDF: 2520250167242986
In: -0.001+/-0.000 χ²/NDF:280965075827205232
Out: 0.001+/-0.000 χ²/NDF:288409358198924014
All: 0.000+/-0.000 χ²/NDF: 5789463009380

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.939+/-0.000 χ^2/NDF: 941837157361130802

Right In: 15.953+/-0.000 χ^2/NDF: 12110138004370610153311796671283 2.0/22

Right: -0.581+/-0.000 χ^2/NDF: 770166374667780 2

Left Out: 17.009+/-0.000 χ^2/NDF:26284444608576238643052544.0/24

In: -1.422+/-0.000 χ^2/NDF:78480667592181514 1

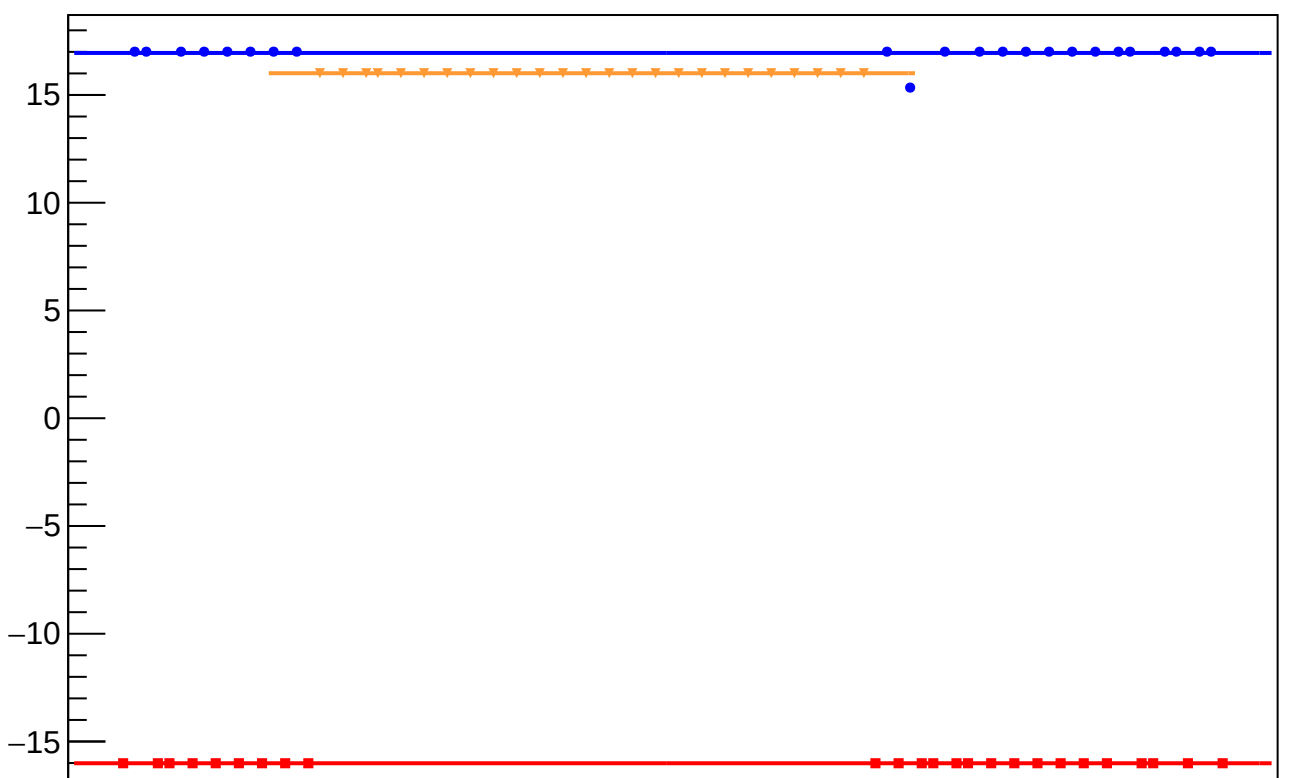
Right Out: -17.009+/-0.000 χ^2/NDF: 176477299059388690317967 36.0/24

Out: 1.878+/-0.000 χ^2/NDF:913665709949367530

Left In: -16.009+/-0.000 χ^2/NDF:12797317451275667767296 0.0/22

All: 0.255+/-0.000 χ^2/NDF: 17156017439405

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 16.950+/-0.000 χ^2/NDF: 13679528070016438027969202487296 0.0/22

Left Out: 16.009+/-0.000 χ^2/NDF:89740.8/24

Right Out: -16.009+/-0.000 χ^2/NDF: 268225.3/24

Left In: -17.009+/-0.000 χ^2/NDF:11503347263344565498675 2.0/22

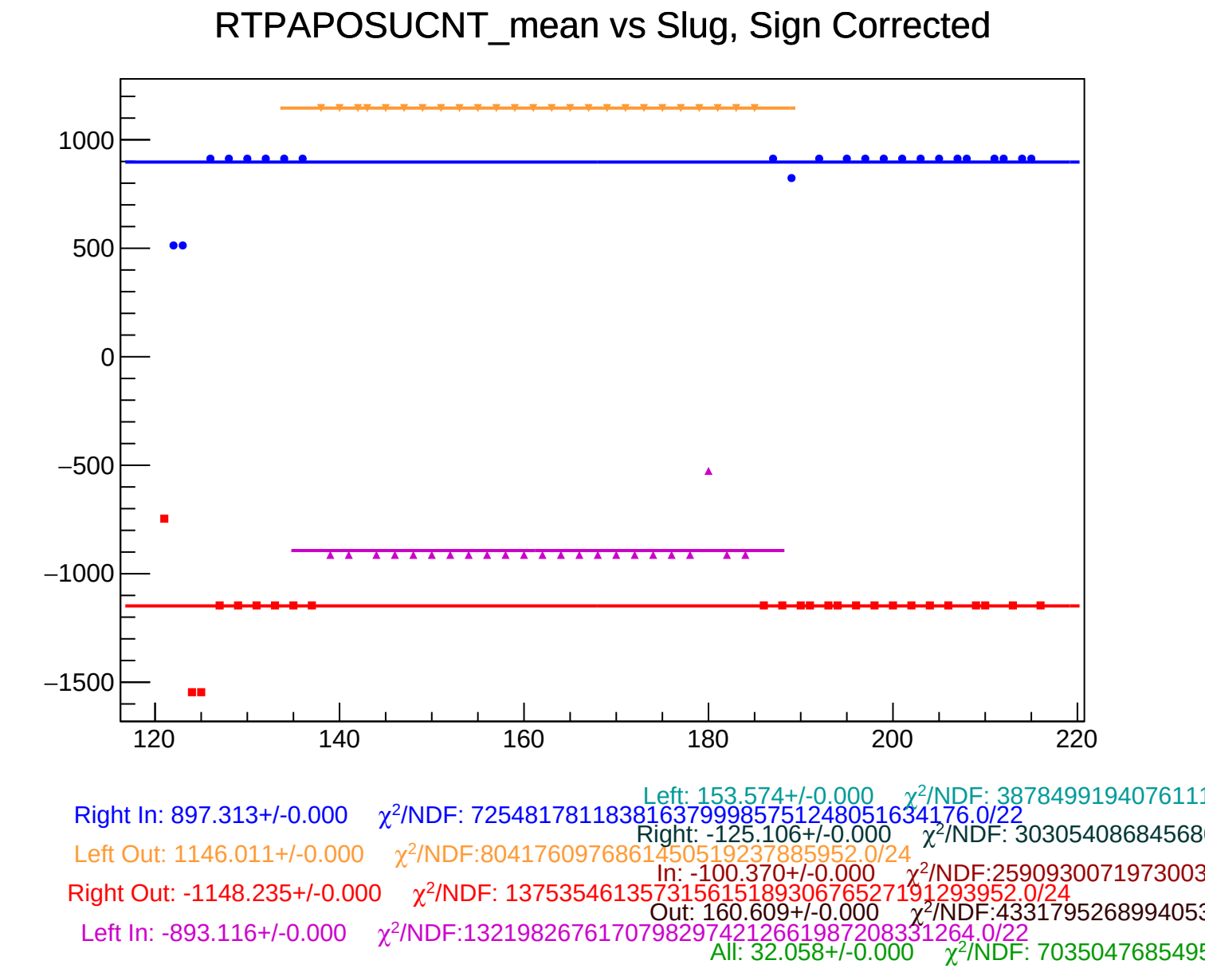
Left: 0.042+/-0.000 χ^2/NDF: 994312337700629058

Right: 0.476+/-0.000 χ^2/NDF: 78148526179076320

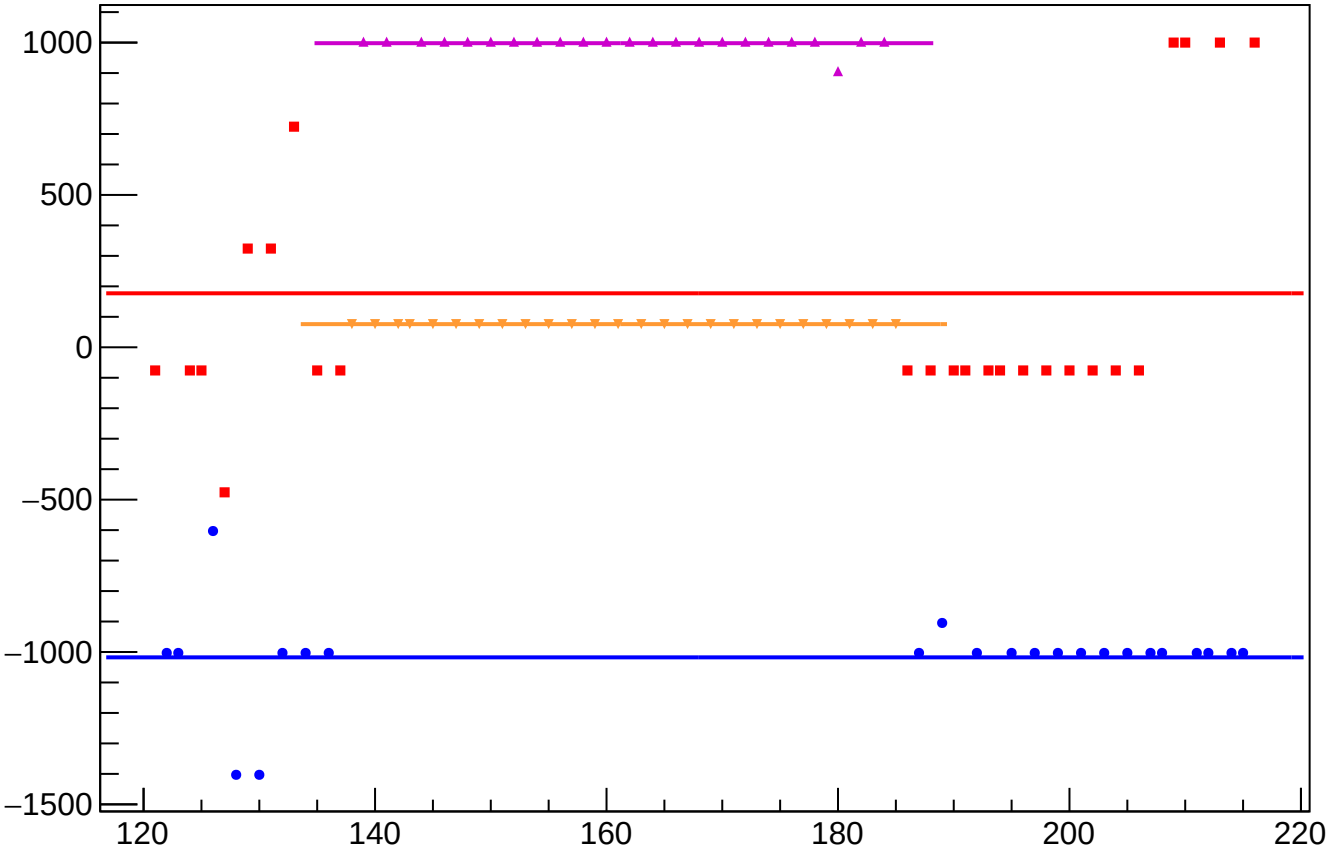
In: -1.762+/-0.000 χ^2/NDF:914564963668898105

Out: 2.158+/-0.000 χ^2/NDF:836466024988390630

All: 0.234+/-0.000 χ^2/NDF: 1776100287289


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
120
140
160
180
200
220
Left: 153.574+/-0.000 χ²/NDF: 3878499194076111
Right In: 897.313+/-0.000 χ²/NDF: 725481781183816379998575124805163417 6.0/22
Right: -125.106+/-0.000 χ²/NDF: 303054086845680
Left Out: 1146.011+/-0.000 χ²/NDF:80417609768614505192378859 52.0/24
In: -100.370+/-0.000 χ²/NDF:25909300719730030
Right Out: -1148.235+/-0.000 χ²/NDF: 13753546135731561518930676527191293952.0/24
Out: 160.609+/-0.000 χ²/NDF:43317952689940530
Left In: -893.116+/-0.000 χ²/NDF:13219826761707982974212661987208331264.0/22
All: 32.058+/-0.000 χ²/NDF: 7035047685495

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 524.750+/-0.000 χ^2/NDF: 7910729679804037

Right In: -1017.572+/-0.000 χ^2/NDF: 233867824721977022312958775453737728768.0/22

Right: -420.411+/-0.000 χ^2/NDF: 13441352147556

Left Out: 76.011+/-0.000 χ^2/NDF:1100326362495713412083666124 8.0/24

In: 105.578+/-0.000 χ^2/NDF:32818383033513533

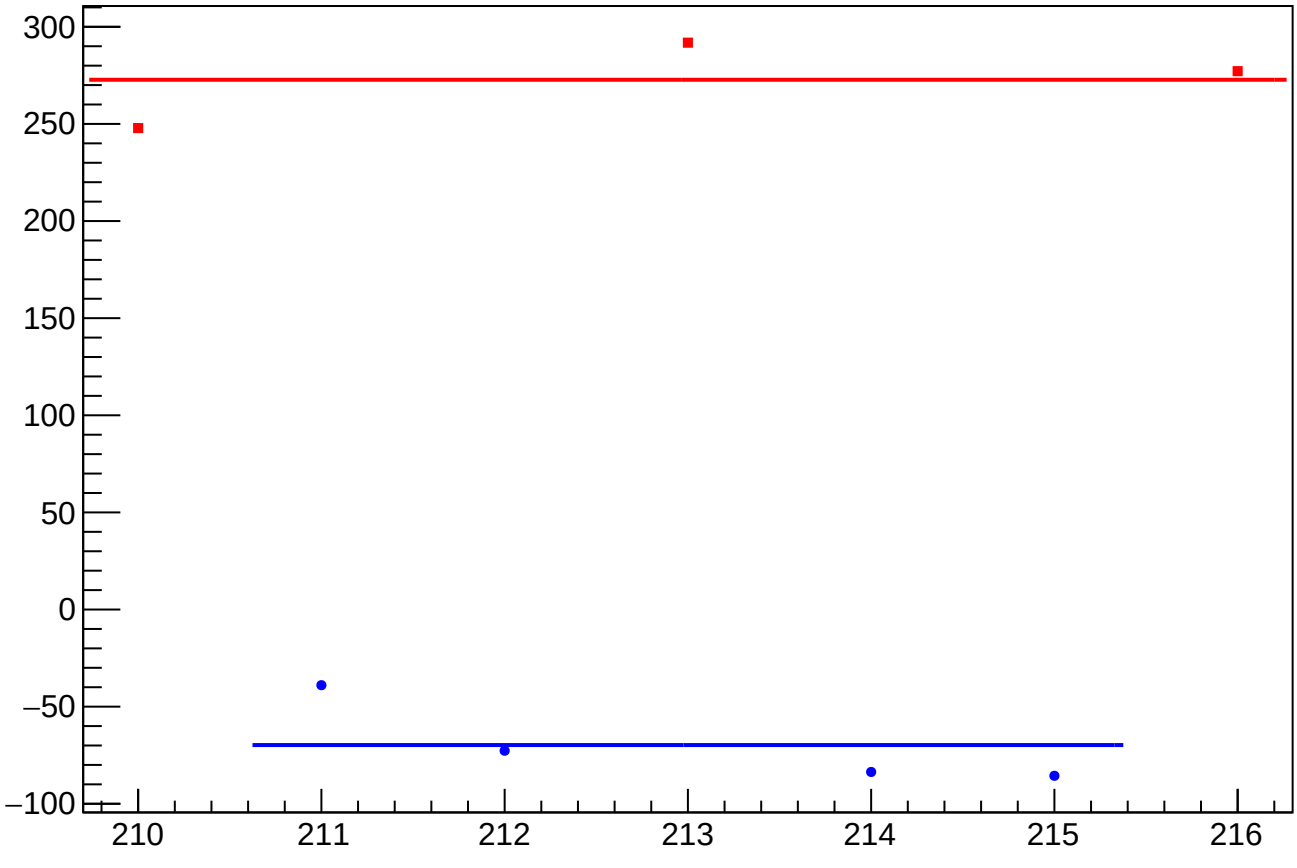
Right Out: 177.165+/-0.000 χ^2/NDF: 2940934961421410921968128885291996938 24.0/24

Out: 119.458+/-0.000 χ^2/NDF:3024876306738290

Left In: 998.020+/-0.000 χ^2/NDF:826231736084035689068445378231140352.0/22

All: 112.621+/-0.000 χ^2/NDF: 35846436324

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -69.774+/-0.000 χ^2/NDF: 10586408868319556875242115463066419 2.0/3

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 272.738+/-0.000 χ^2/NDF: 74333559176272492677098532872650752.0/2

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

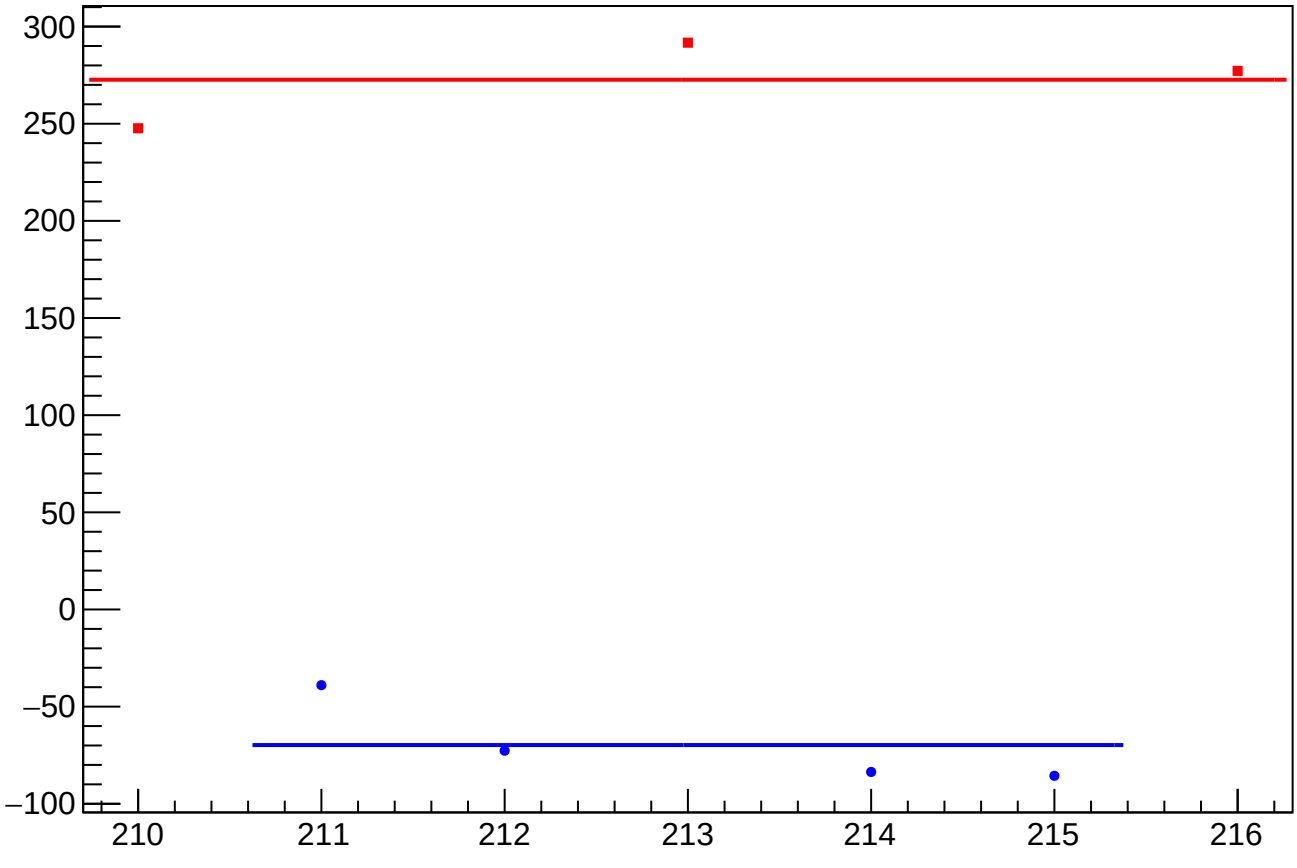
Right: 75.212+/-0.000 χ^2/NDF: 1492905856417463

In: -69.774+/-0.000 χ^2/NDF:10586408868319556

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 75.212+/-0.000 χ^2/NDF: 149290585641

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -69.774+/-0.000 χ^2/NDF: 10586408868319556875242115463066419 2.0/3

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 272.639+/-0.000 χ^2/NDF: 7467939775974110597763998546499993 6.0/2

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 75.170+/-0.000 χ^2/NDF: 1492085132324562

In: -69.774+/-0.000 χ^2/NDF:1058640886831955 6

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 75.170+/-0.000 χ^2/NDF: 149208513232 4