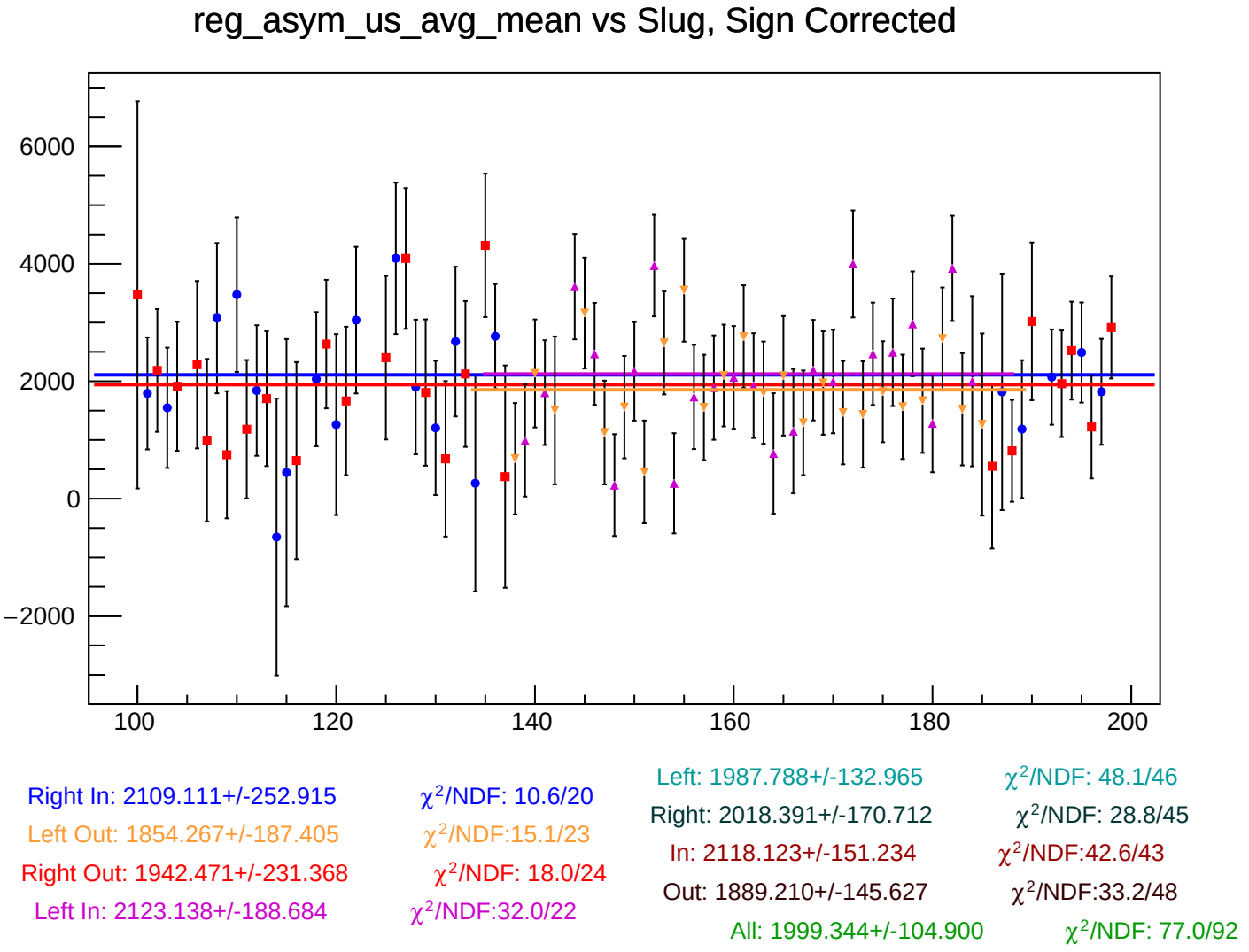
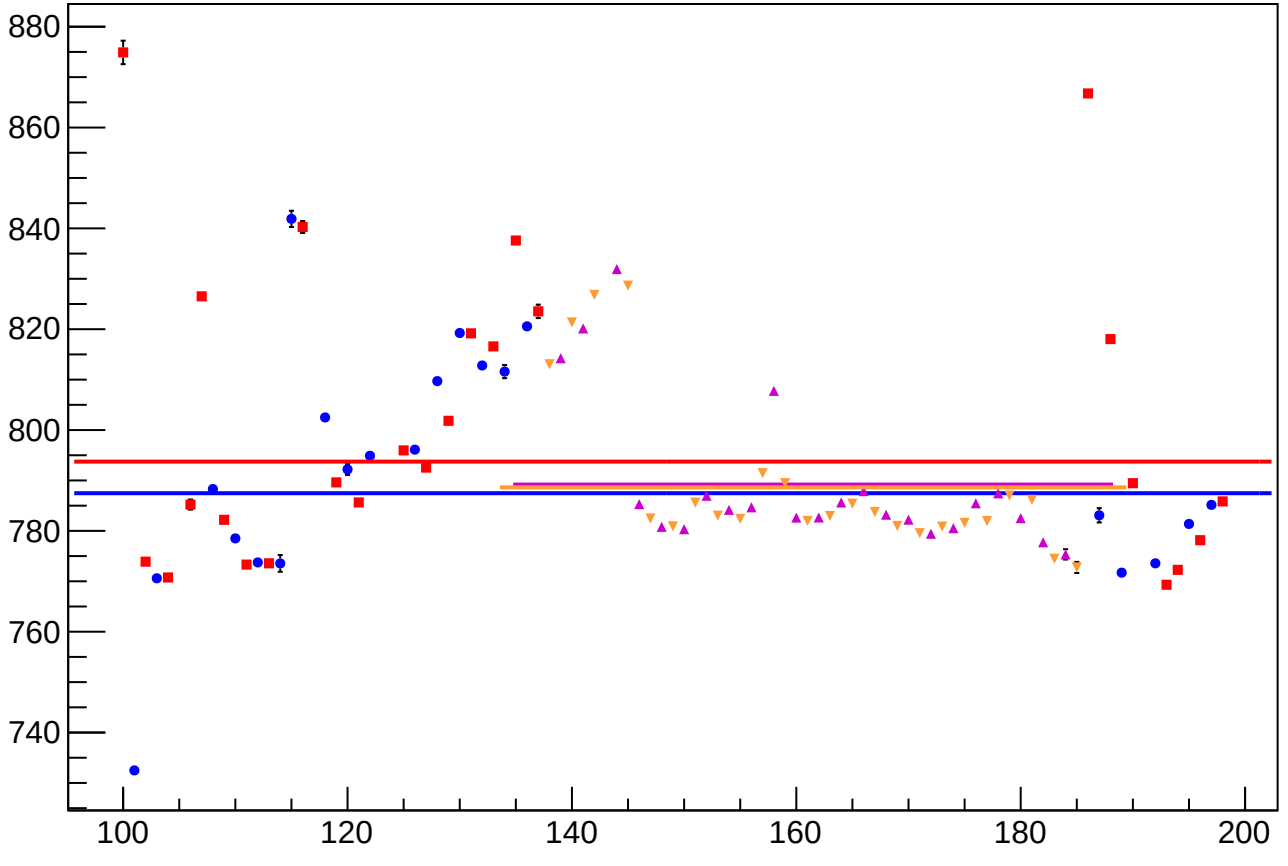

reg_asym_us_avg_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2109.111+/-252.915
χ²/NDF: 10.6/20
Left Out: 1854.267+/-187.405
χ²/NDF:15.1/23
Right Out: 1942.471+/-231.368
χ²/NDF: 18.0/24
Left In: 2123.138+/-188.684
χ²/NDF:32.0/22
Left: 1987.788+/-132.965
χ²/NDF: 48.1/46
Right: 2018.391+/-170.712
χ²/NDF: 28.8/45
In: 2118.123+/-151.234
χ²/NDF:42.6/43
Out: 1889.210+/-145.627
χ²/NDF:33.2/48
All: 1999.344+/-104.900
χ²/NDF: 77.0/92

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 787.471+/-0.179 χ^2/NDF: 16574.6/20

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

Right Out: 793.739+/-0.164 χ^2/NDF: 22277.8/24

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

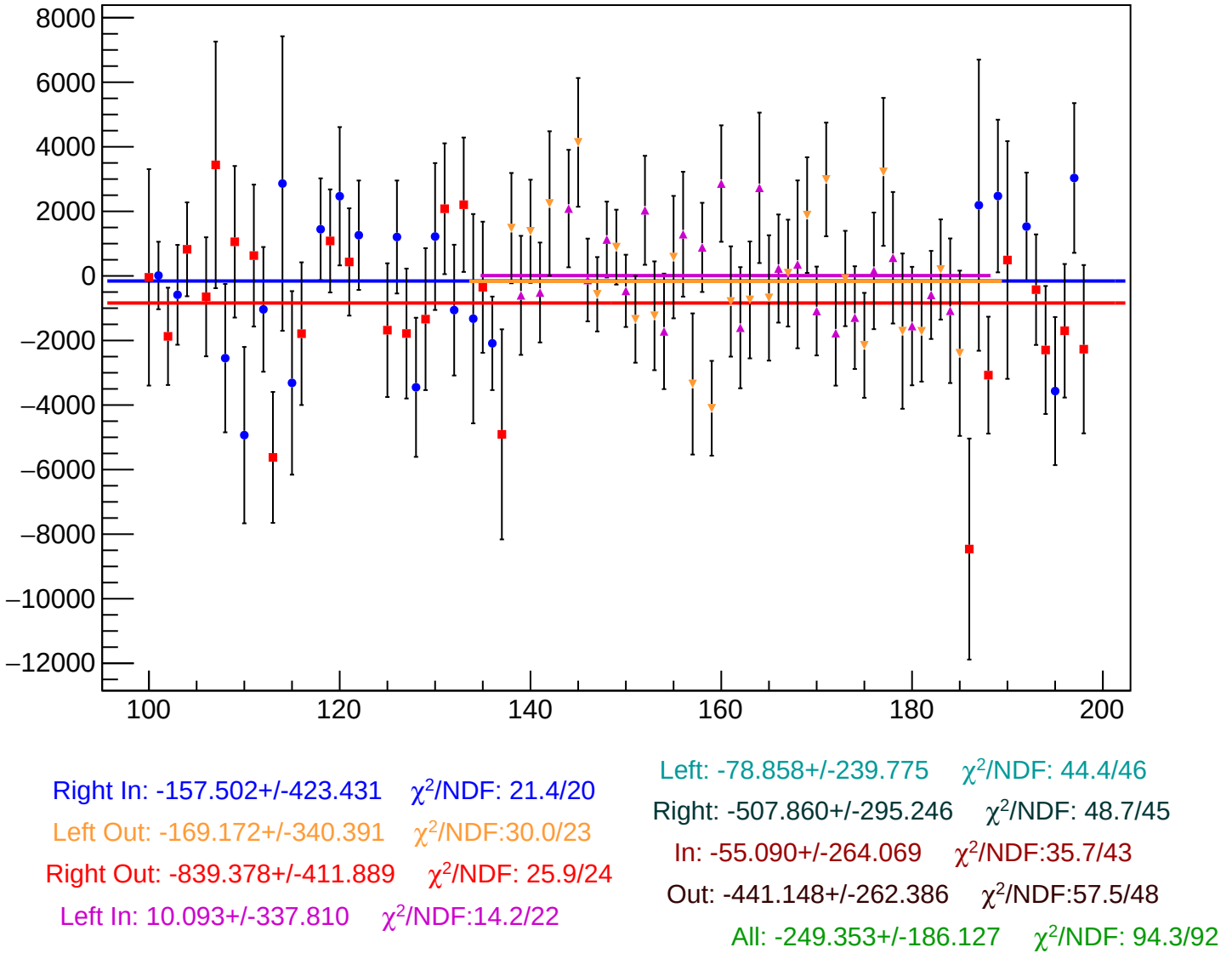
Left: 788.905+/-0.094 χ^2/NDF: 22830.1/46

Right: 790.883+/-0.121 χ^2/NDF: 39521.2/45

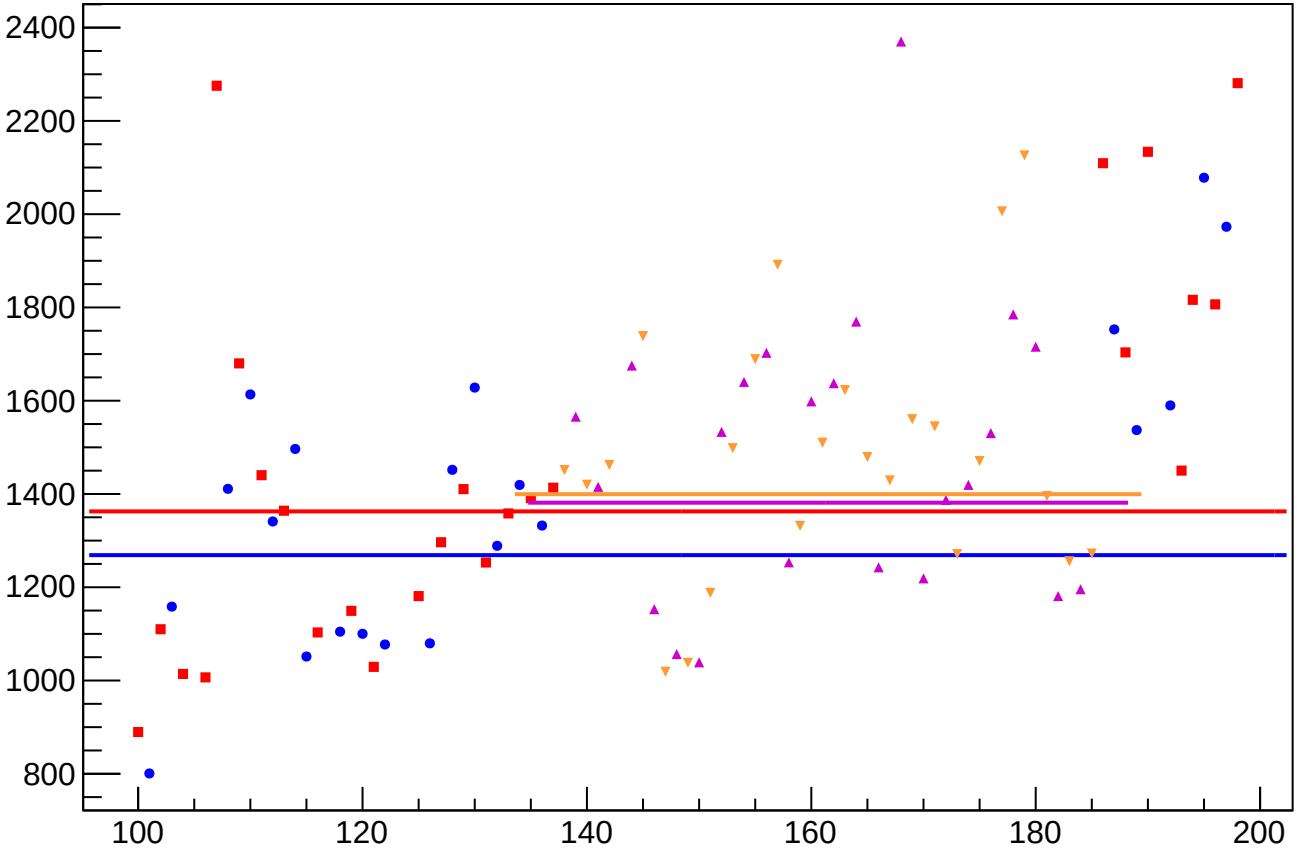
In: 788.572+/-0.107 χ^2/NDF:27976.9/43

Out: 790.654+/-0.103 χ^2/NDF:34344.9/48

All: 789.652+/-0.074 χ^2/NDF: 62518.4/92


asym_us_avg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -157.502+/-423.431 χ²/NDF: 21.4/20
Left Out: -169.172+/-340.391 χ²/NDF:30.0/23
Right Out: -839.378+/-411.889 χ²/NDF: 25.9/24
Left In: 10.093+/-337.810 χ²/NDF:14.2/22
Left: -78.858+/-239.775 χ²/NDF: 44.4/46
Right: -507.860+/-295.246 χ²/NDF: 48.7/45
In: -55.090+/-264.069 χ²/NDF:35.7/43
Out: -441.148+/-262.386 χ²/NDF:57.5/48
All: -249.353+/-186.127 χ²/NDF: 94.3/92

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1268.888+/-0.299 χ^2/NDF: 1181850.7/20

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

Right Out: 1362.659+/-0.291 χ^2/NDF: 1311760.1/24

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

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

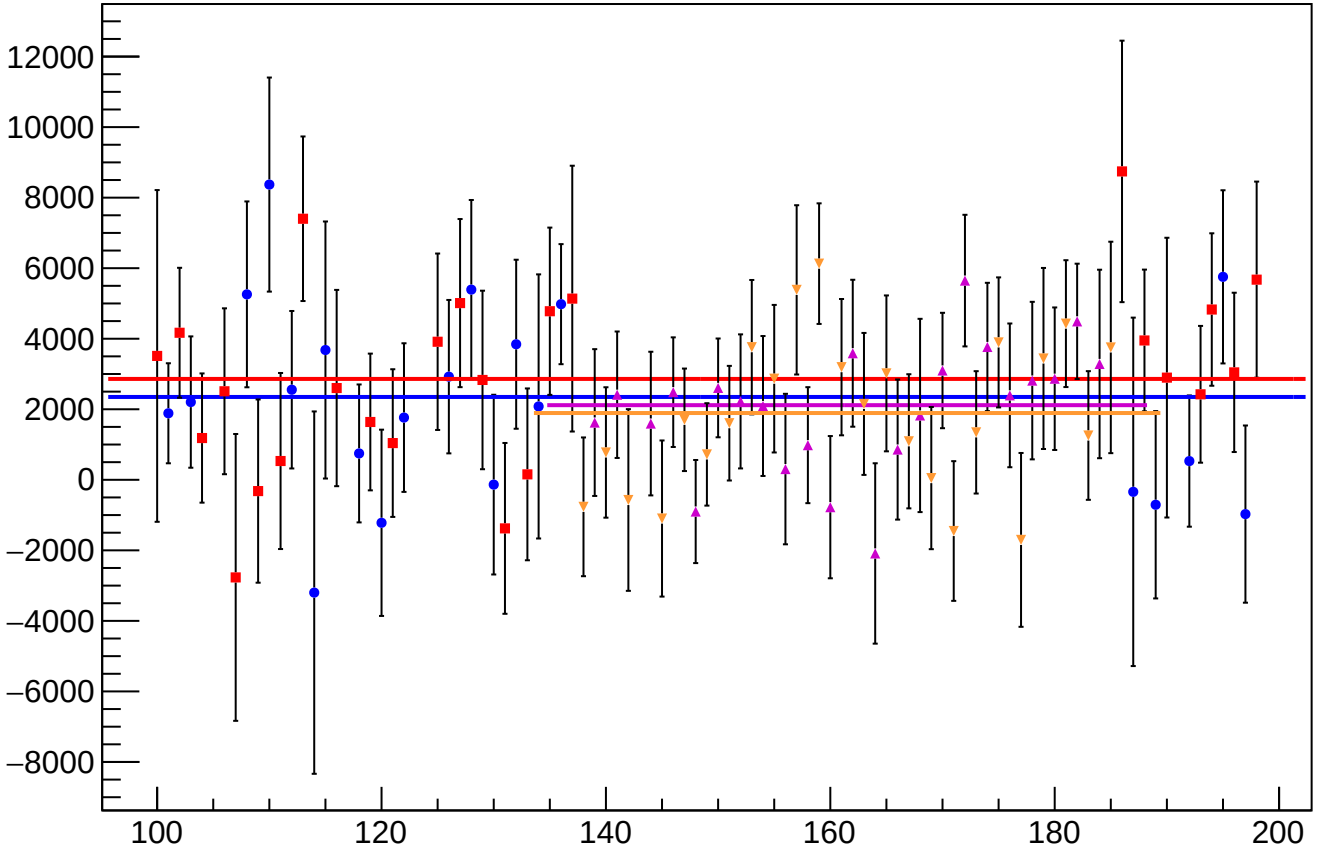
Right: 1317.069+/-0.209 χ^2/NDF: 2544007.7/45

In: 1337.616+/-0.187 χ^2/NDF:2544564.0/43

Out: 1384.601+/-0.186 χ^2/NDF:2440437.6/48

All: 1361.258+/-0.132 χ^2/NDF: 5016862.5/92

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2348.958+/-507.089 χ^2/NDF: 20.6/20

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

Right Out: 2860.389+/-484.281 χ^2/NDF: 21.6/24

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

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

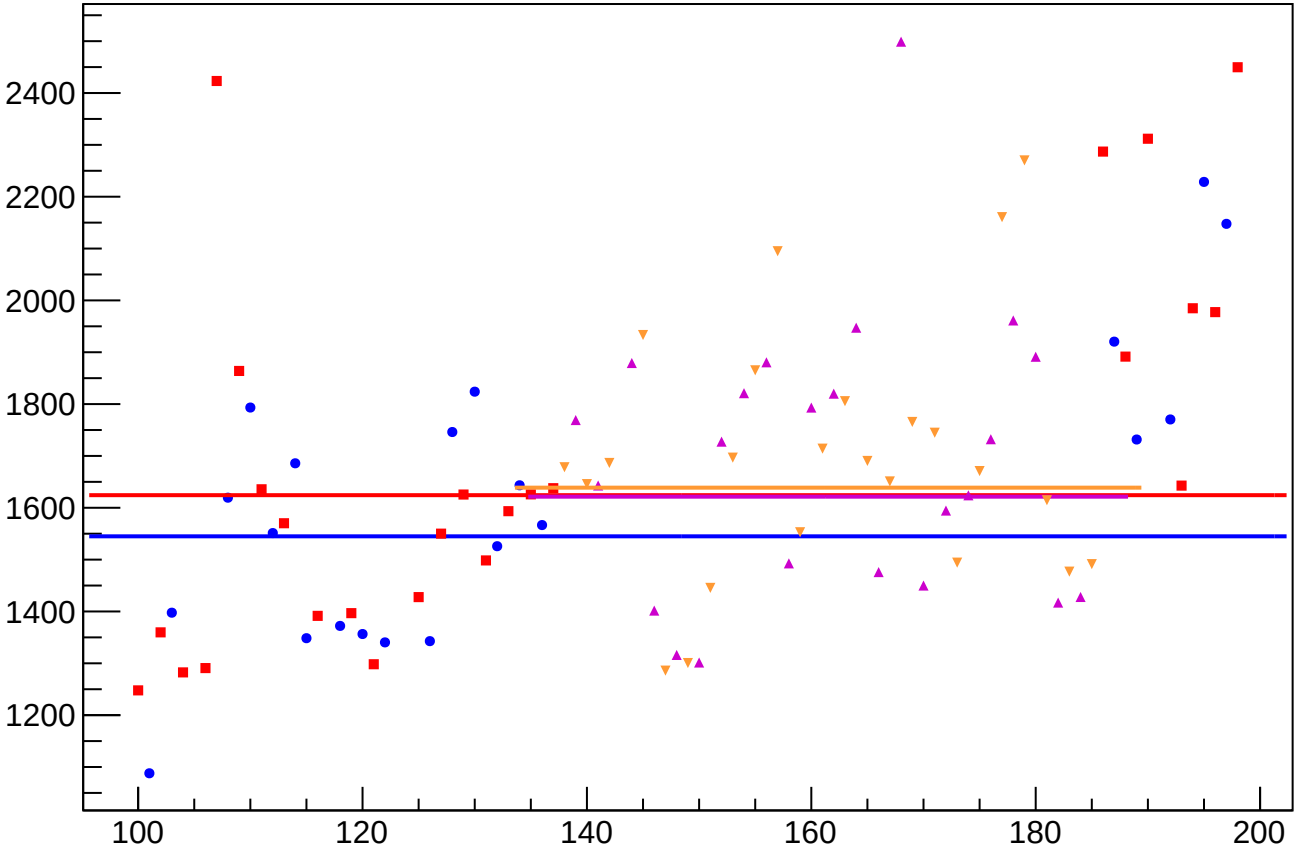
Right: 2616.433+/-350.224 χ^2/NDF: 42.8/45

In: 2203.488+/-310.630 χ^2/NDF:39.6/43

Out: 2279.607+/-306.036 χ^2/NDF:50.0/48

All: 2242.114+/-218.006 χ^2/NDF: 89.6/92

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1544.934+/-0.359 χ^2/NDF: 663821.1/20

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

Right Out: 1624.305+/-0.342 χ^2/NDF: 809818.6/24

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

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

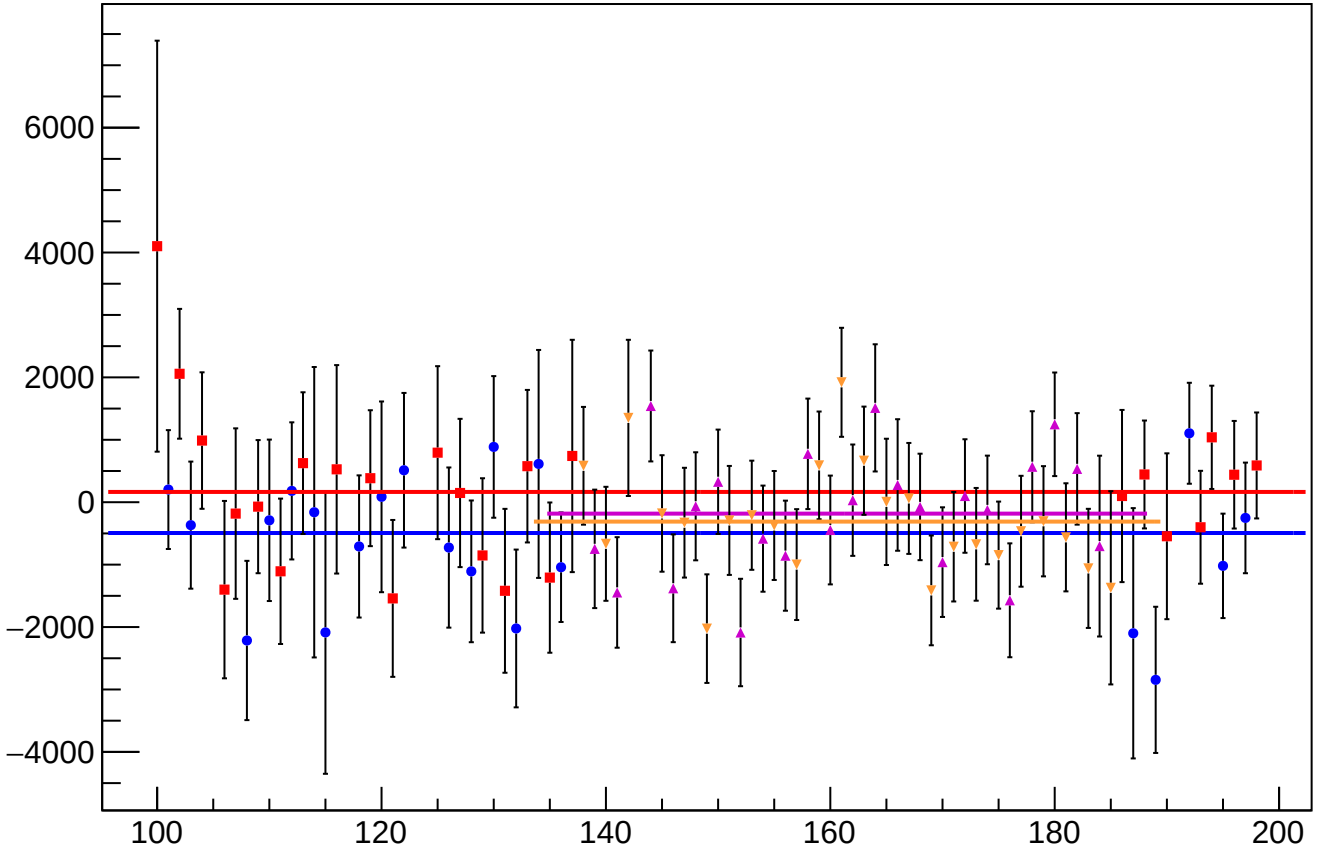
Right: 1586.445+/-0.248 χ^2/NDF: 1499265.6/45

In: 1592.717+/-0.220 χ^2/NDF:1467555.8/43

Out: 1633.015+/-0.216 χ^2/NDF:1482802.4/48

All: 1613.166+/-0.154 χ^2/NDF: 2967438.9/92

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -493.300+/-250.502 χ^2/NDF: 17.2/20

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

Right Out: 164.580+/-228.955 χ^2/NDF: 16.0/24

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

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

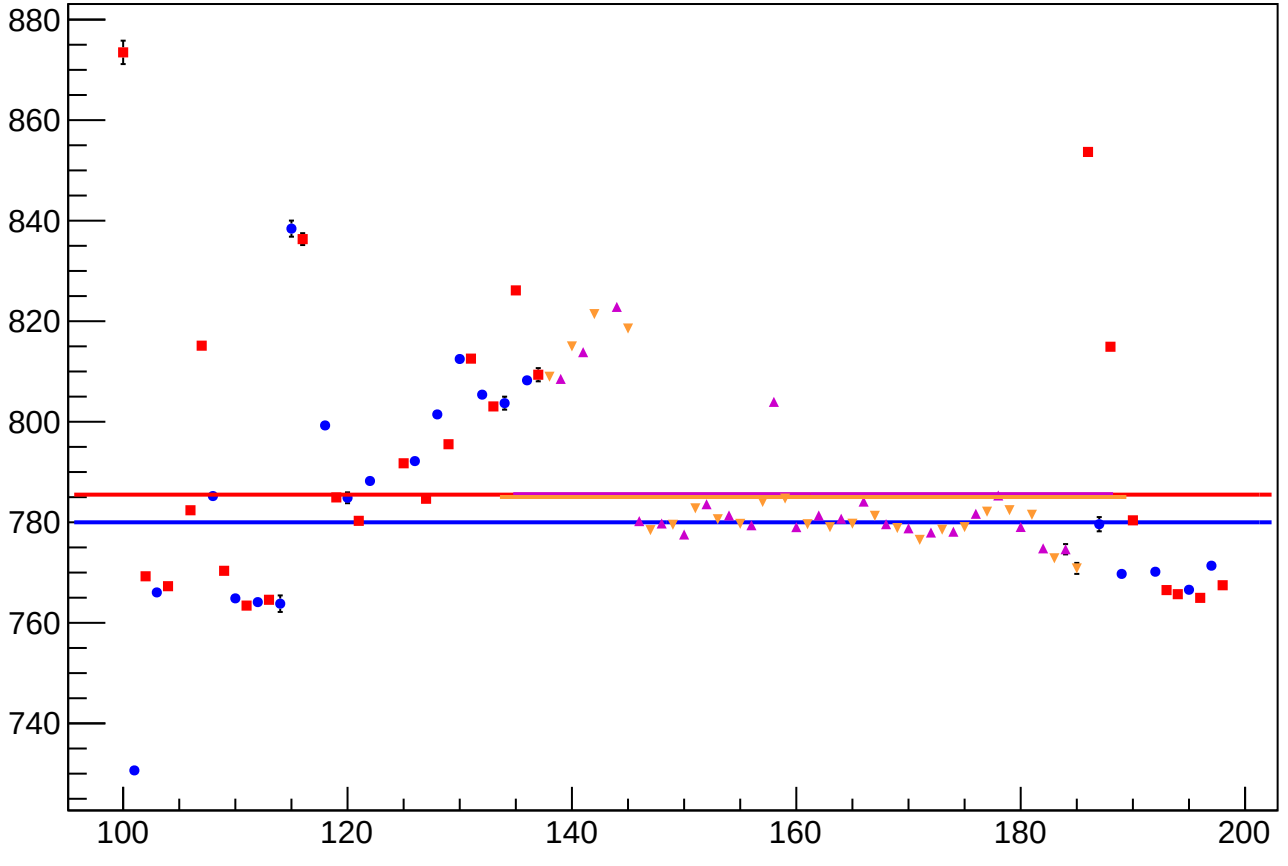
Right: -134.854+/-169.001 χ^2/NDF: 37.0/45

In: -294.596+/-150.271 χ^2/NDF:44.3/43

Out: -120.998+/-144.616 χ^2/NDF:38.7/48

All: -204.469+/-104.201 χ^2/NDF: 83.7/92

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 779.999+/-0.177 χ^2/NDF: 15488.4/20

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

Right Out: 785.501+/-0.162 χ^2/NDF: 22454.7/24

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

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

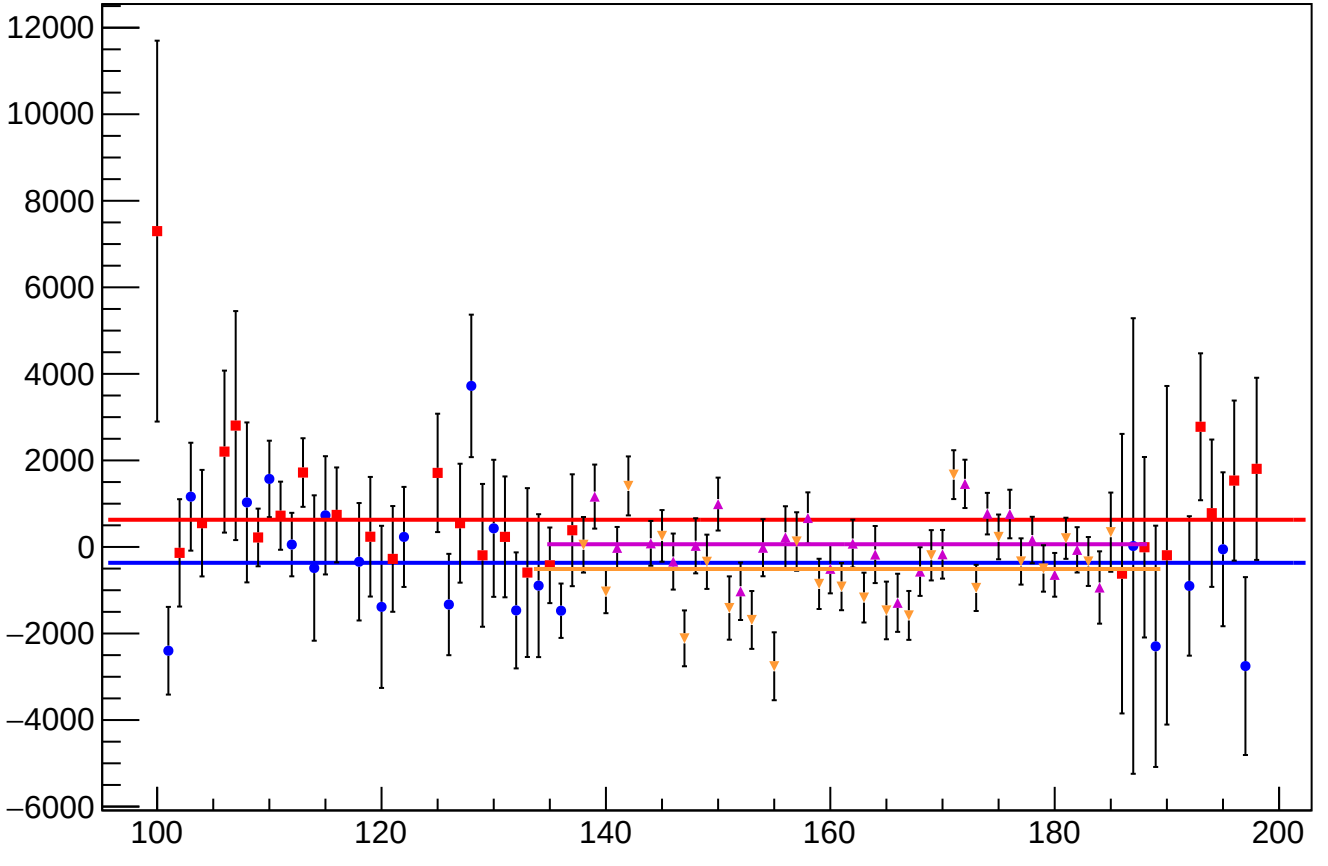
Right: 782.997+/-0.120 χ^2/NDF: 38468.9/45

In: 783.579+/-0.106 χ^2/NDF:25500.4/43

Out: 785.218+/-0.102 χ^2/NDF:31827.7/48

All: 784.430+/-0.074 χ^2/NDF: 57451.6/92

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -366.418+/-271.443 χ^2/NDF: 25.4/20

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

Right Out: 628.583+/-258.309 χ^2/NDF: 12.3/24

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

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

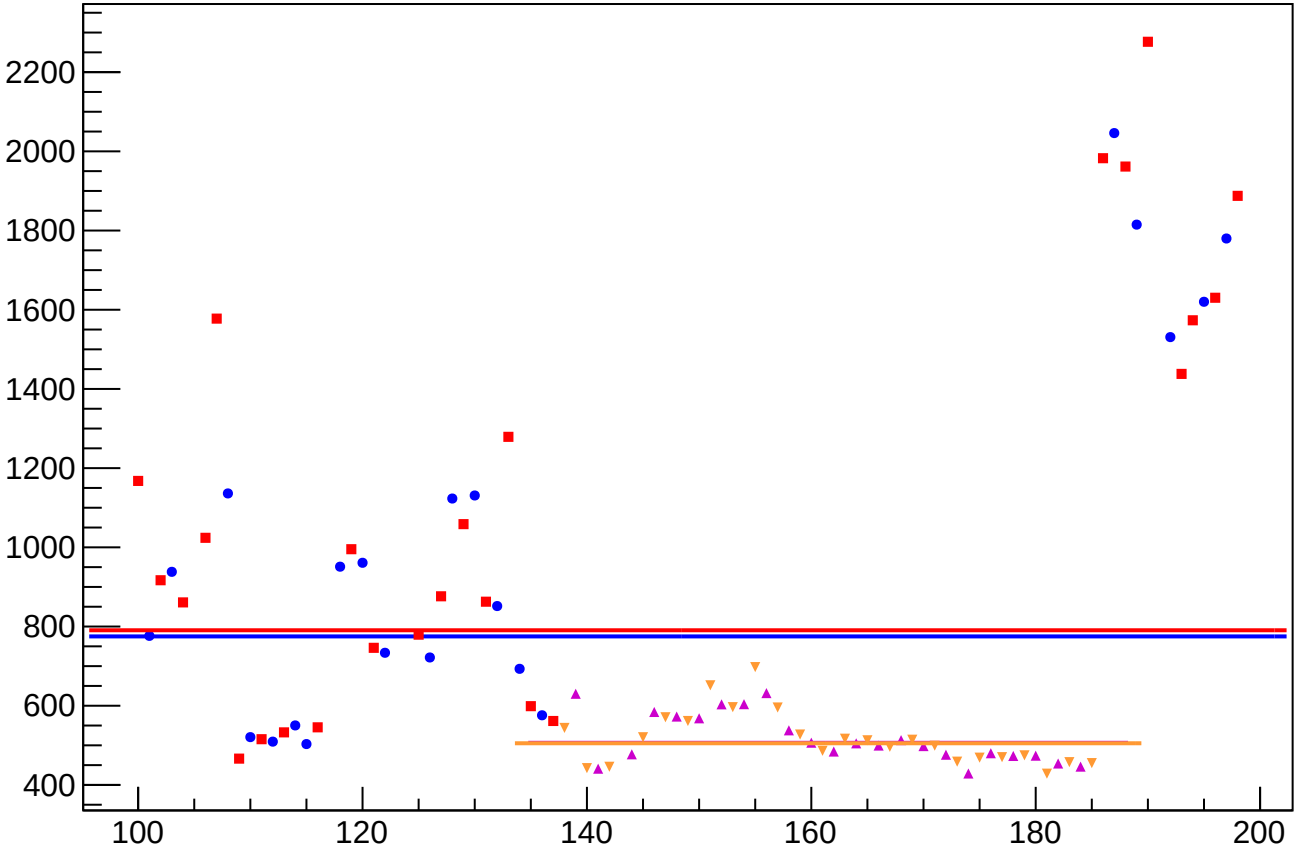
Right: 155.735+/-187.123 χ^2/NDF: 44.7/45

In: -9.405+/-111.312 χ^2/NDF:56.3/43

Out: -304.026+/-109.715 χ^2/NDF:88.7/48

All: -158.844+/-78.139 χ^2/NDF: 148.5/92

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 775.049+/-0.192 χ^2/NDF: 2880957.7/20

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

Right Out: 790.581+/-0.183 χ^2/NDF: 4536649.8/24

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

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

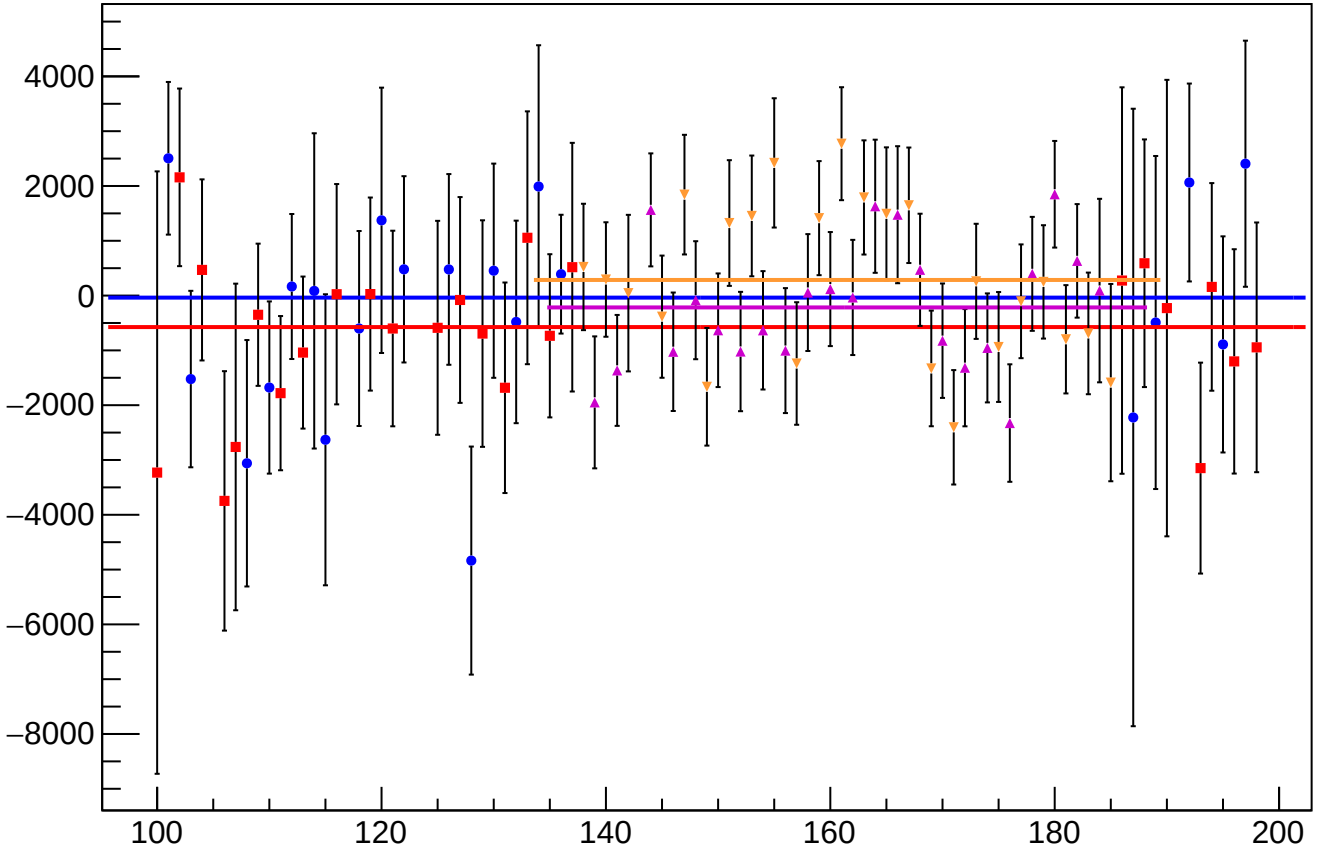
Right: 783.199+/-0.132 χ^2/NDF: 7421043.9/45

In: 551.560+/-0.079 χ^2/NDF:4947095.5/43

Out: 556.701+/-0.078 χ^2/NDF:7022734.3/48

All: 554.168+/-0.055 χ^2/NDF: 11971994.1/92

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -37.165+/-401.926 χ^2/NDF: 17.8/20

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

Right Out: -574.669+/-384.281 χ^2/NDF: 10.4/24

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

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

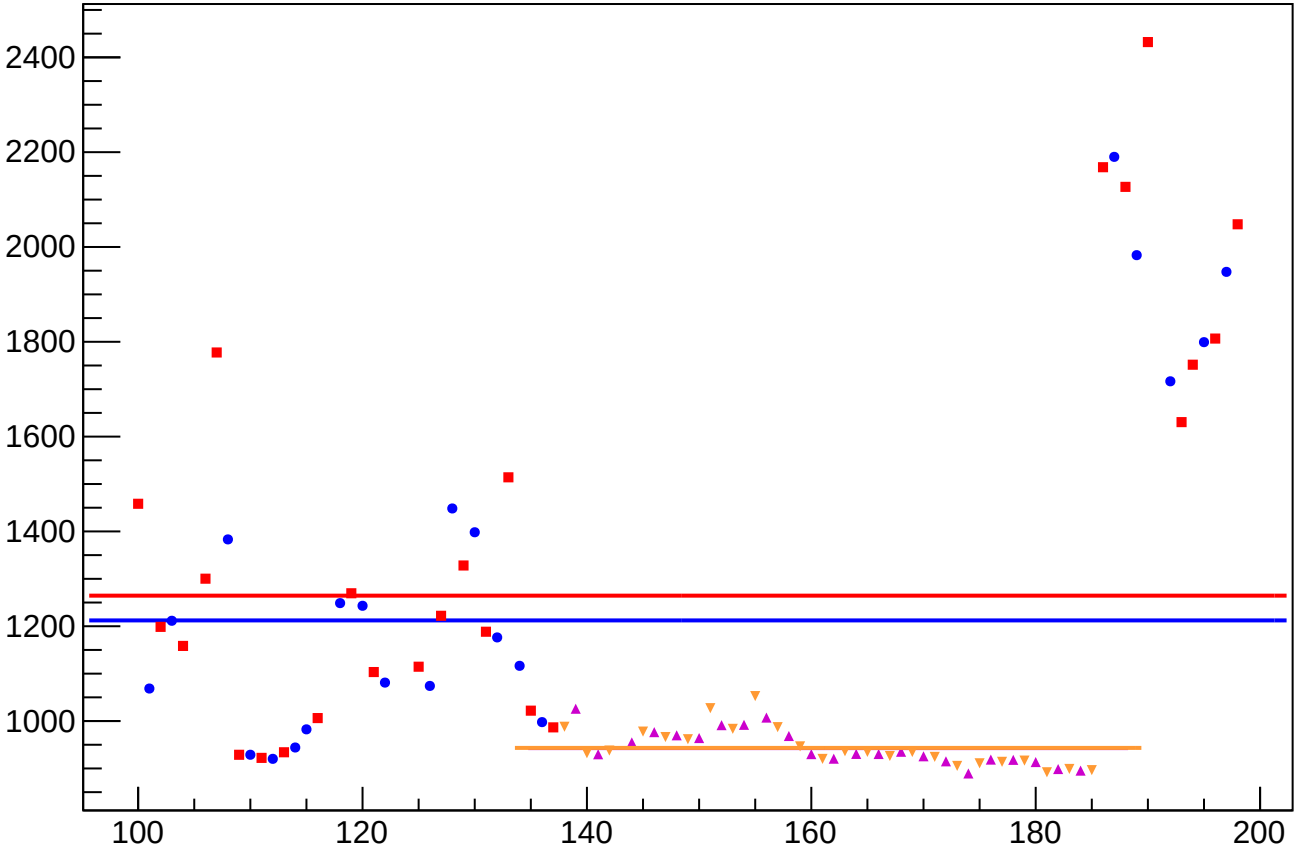
Right: -317.974+/-277.756 χ^2/NDF: 29.2/45

In: -173.247+/-196.729 χ^2/NDF:42.4/43

Out: 66.539+/-193.766 χ^2/NDF:52.4/48

All: -51.535+/-138.049 χ^2/NDF: 95.5/92

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1212.289+/-0.284 χ^2/NDF: 1115588.7/20

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

Right Out: 1264.521+/-0.272 χ^2/NDF: 1774269.1/24

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

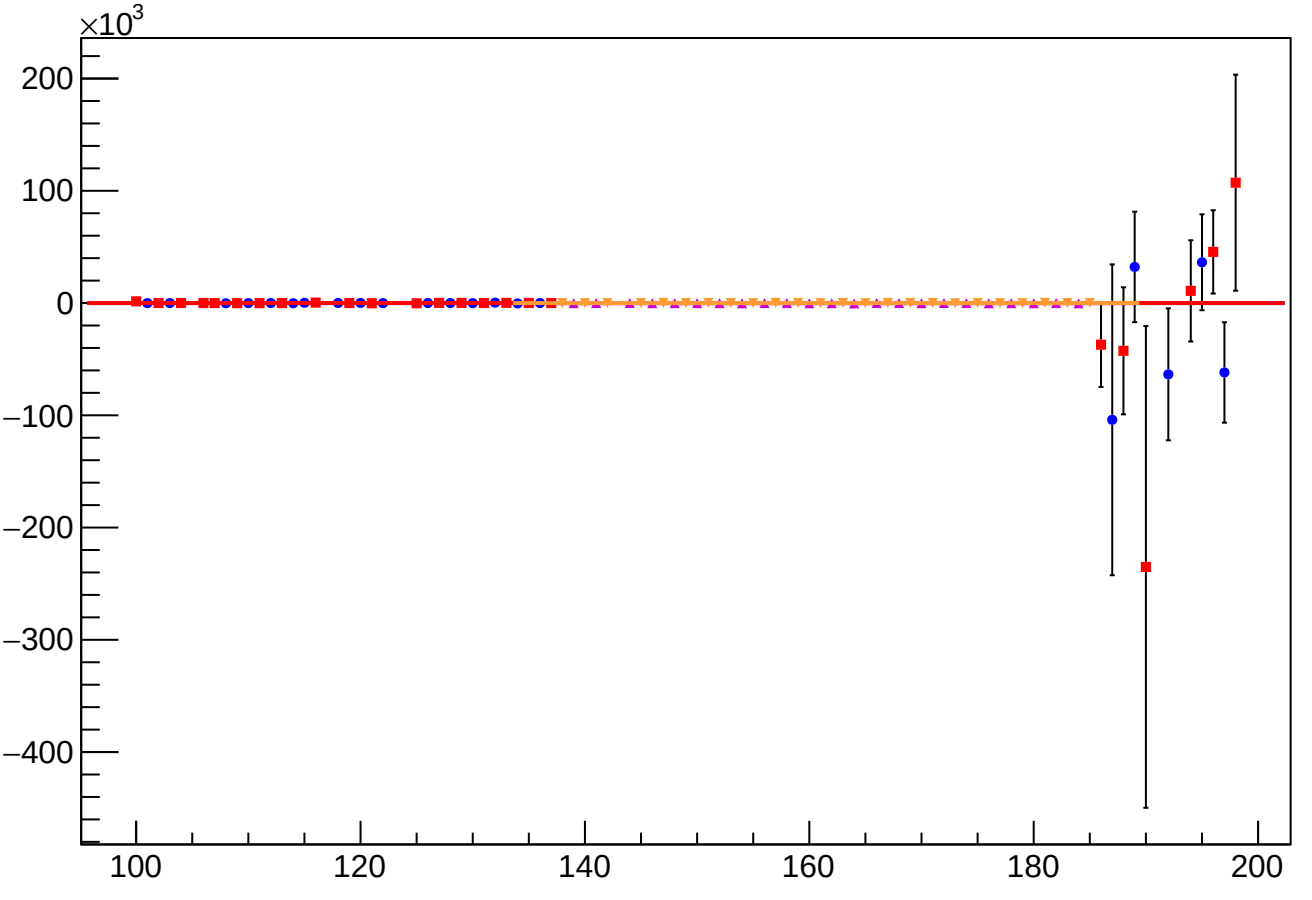
Left: 943.140+/-0.112 χ^2/NDF: 108771.7/46

Right: 1239.577+/-0.196 χ^2/NDF: 2907503.8/45

In: 1007.459+/-0.139 χ^2/NDF:1847066.1/43

Out: 1025.007+/-0.137 χ^2/NDF:2876468.9/48

All: 1016.366+/-0.098 χ^2/NDF: 4731612.2/92



Right In: -15.571+/-30.032 χ^2/NDF: 20.7/20

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

Right Out: 31.759+/-30.492 χ^2/NDF: 22.3/23

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

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

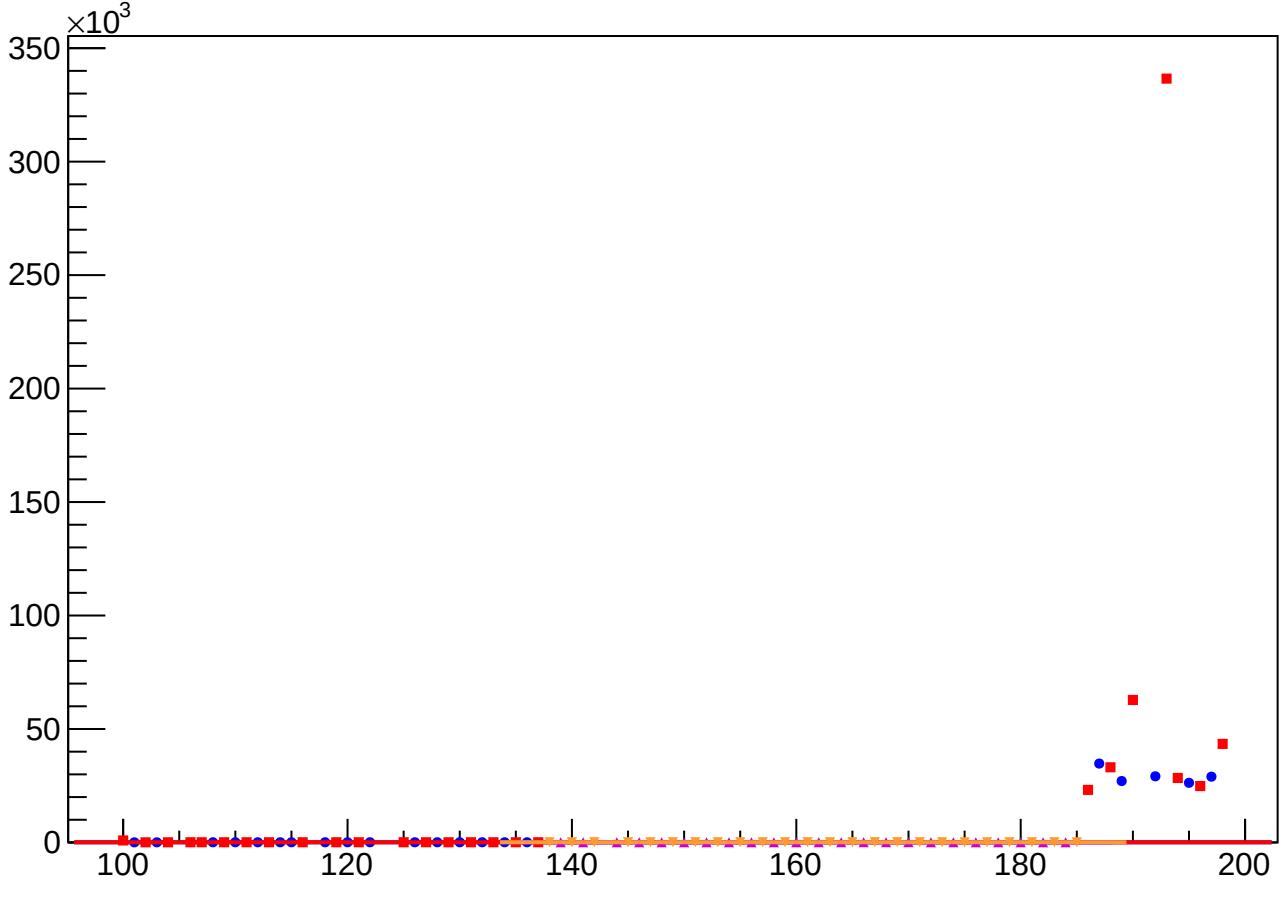
Right: 7.735+/-21.397 χ^2/NDF: 44.3/44

In: -20.424+/-17.527 χ^2/NDF:43.3/43

Out: 13.006+/-17.553 χ^2/NDF:45.4/47

All: -3.734+/-12.403 χ^2/NDF: 90.5/91

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099+/-0.021 χ^2/NDF: 3238689.2/20

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

Right Out: 79.432+/-0.022 χ^2/NDF: 4185355.4/24

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

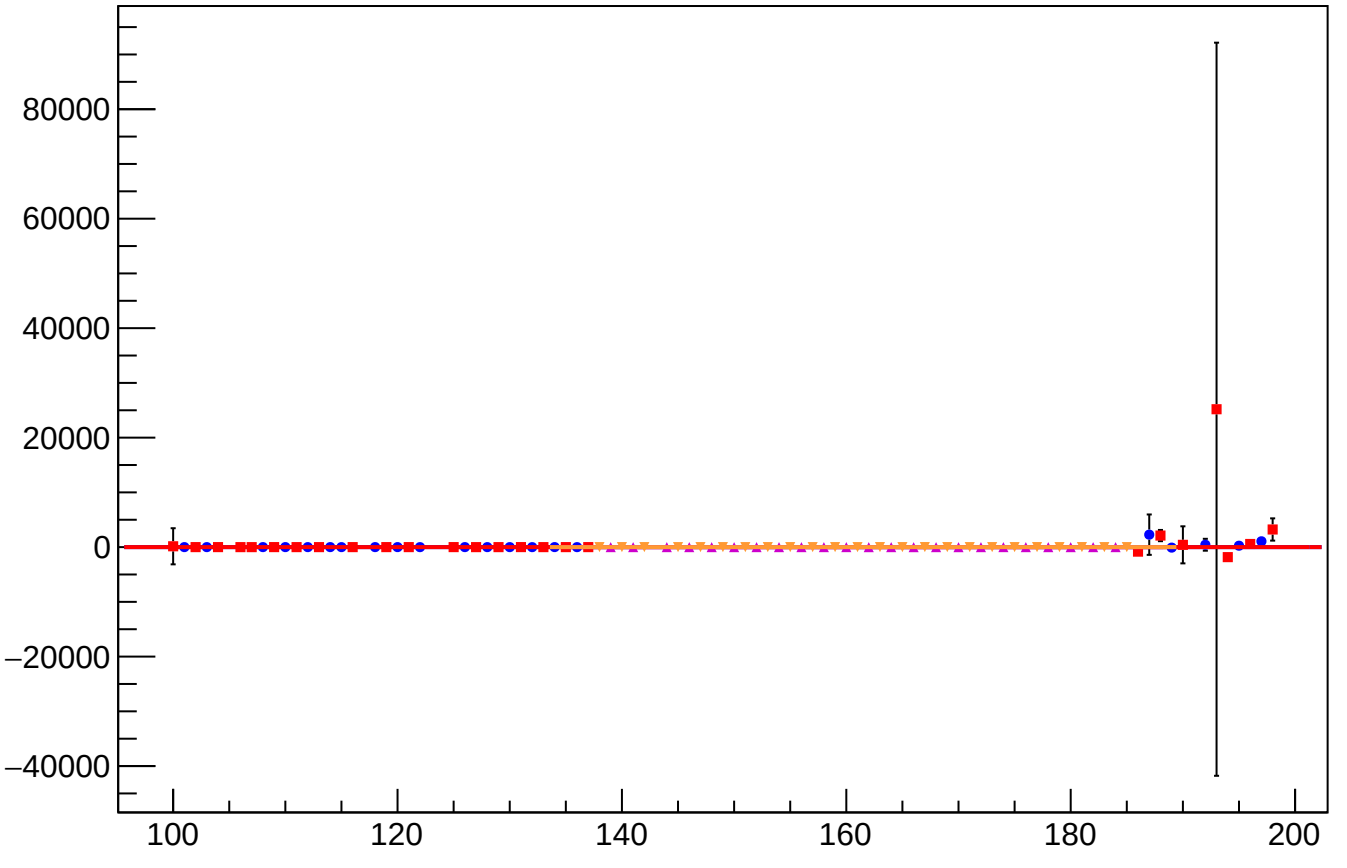
Left: 89.644+/-0.011 χ^2/NDF: 974812.8/46

Right: 77.740+/-0.015 χ^2/NDF: 7436173.9/45

In: 84.999+/-0.012 χ^2/NDF:4013547.1/43

Out: 86.292+/-0.012 χ^2/NDF:4803045.1/48

All: 85.644+/-0.009 χ^2/NDF: 8822028.9/92



Right In: -0.289+/-0.502 χ^2/NDF: 22.9/20

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

Right Out: 0.039+/-0.525 χ^2/NDF: 22.8/24

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

Left: -0.188+/-0.270 χ^2/NDF: 49.1/46

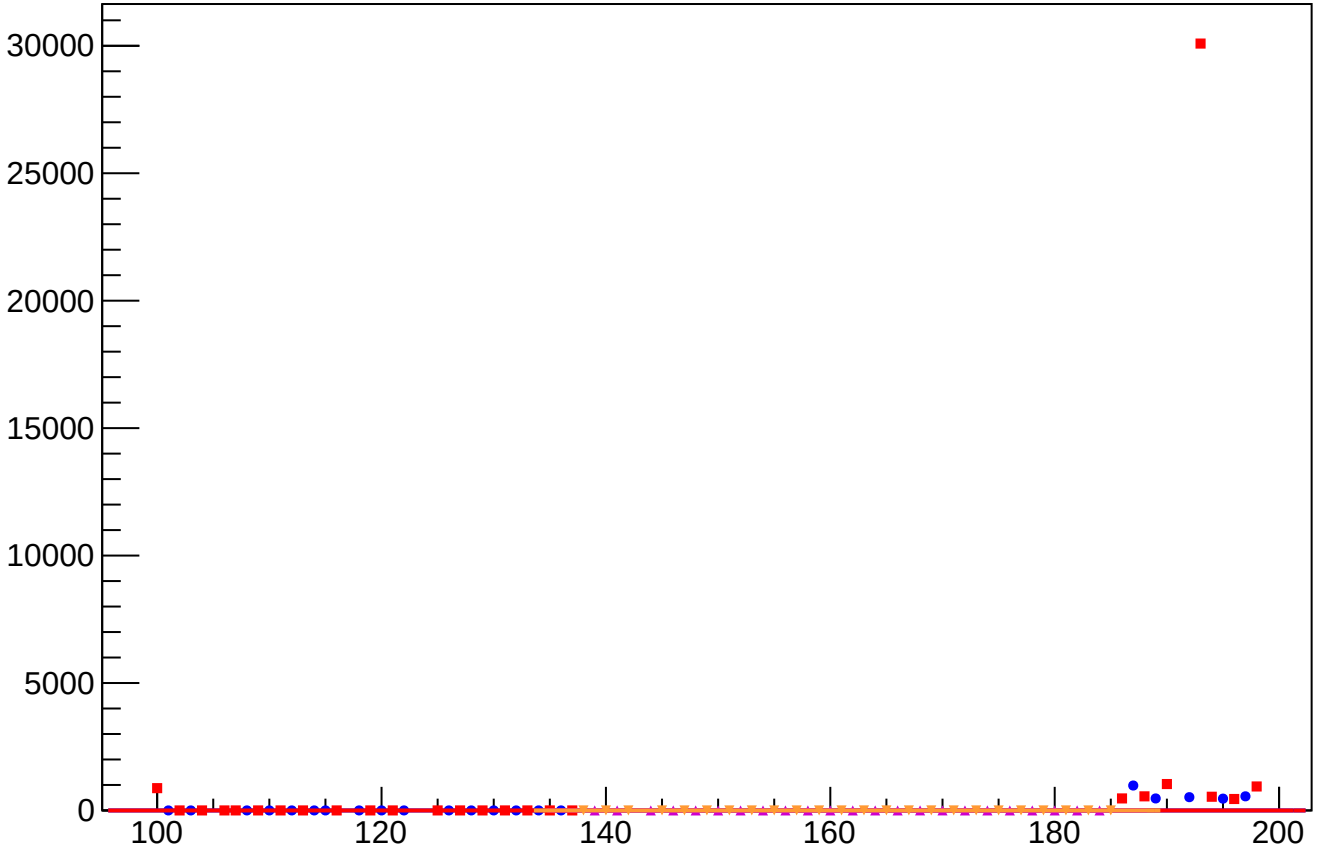
Right: -0.133+/-0.363 χ^2/NDF: 45.9/45

In: -0.433+/-0.306 χ^2/NDF:49.4/43

Out: 0.096+/-0.306 χ^2/NDF:44.1/48

All: -0.168+/-0.217 χ^2/NDF: 95.1/92

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.153+/-0.000 χ^2/NDF: 3008195.5/20

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

Right Out: 1.260+/-0.000 χ^2/NDF: 4291537.2/24

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

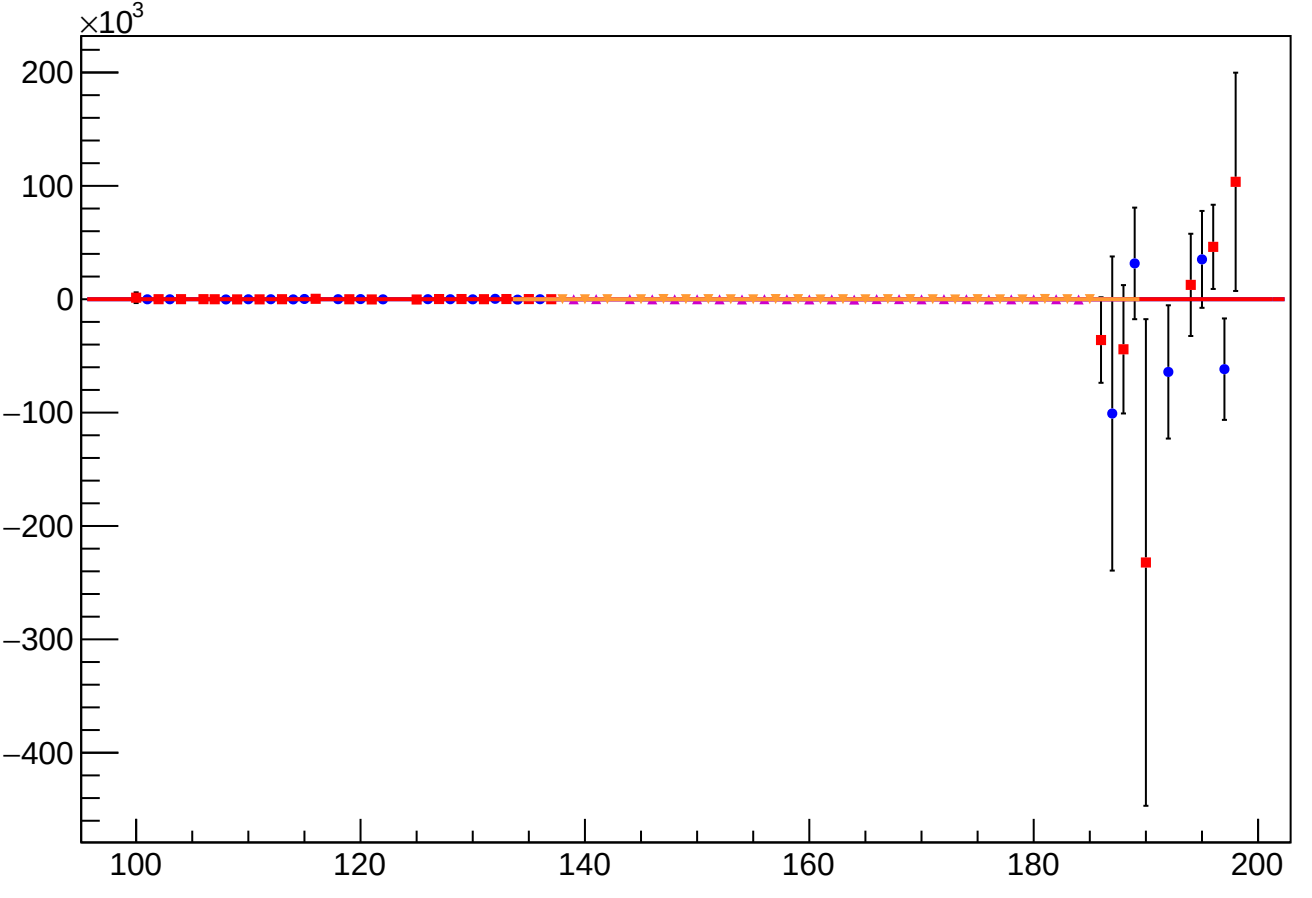
Left: 1.430+/-0.000 χ^2/NDF: 1997169.8/46

Right: 1.204+/-0.000 χ^2/NDF: 7343303.7/45

In: 1.341+/-0.000 χ^2/NDF:4453972.9/43

Out: 1.358+/-0.000 χ^2/NDF:5384650.5/48

All: 1.349+/-0.000 χ^2/NDF: 9841622.8/92



Right In: -14.507+/-30.040 χ^2/NDF: 20.9/20

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

Right Out: 32.039+/-30.500 χ^2/NDF: 22.3/23

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

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

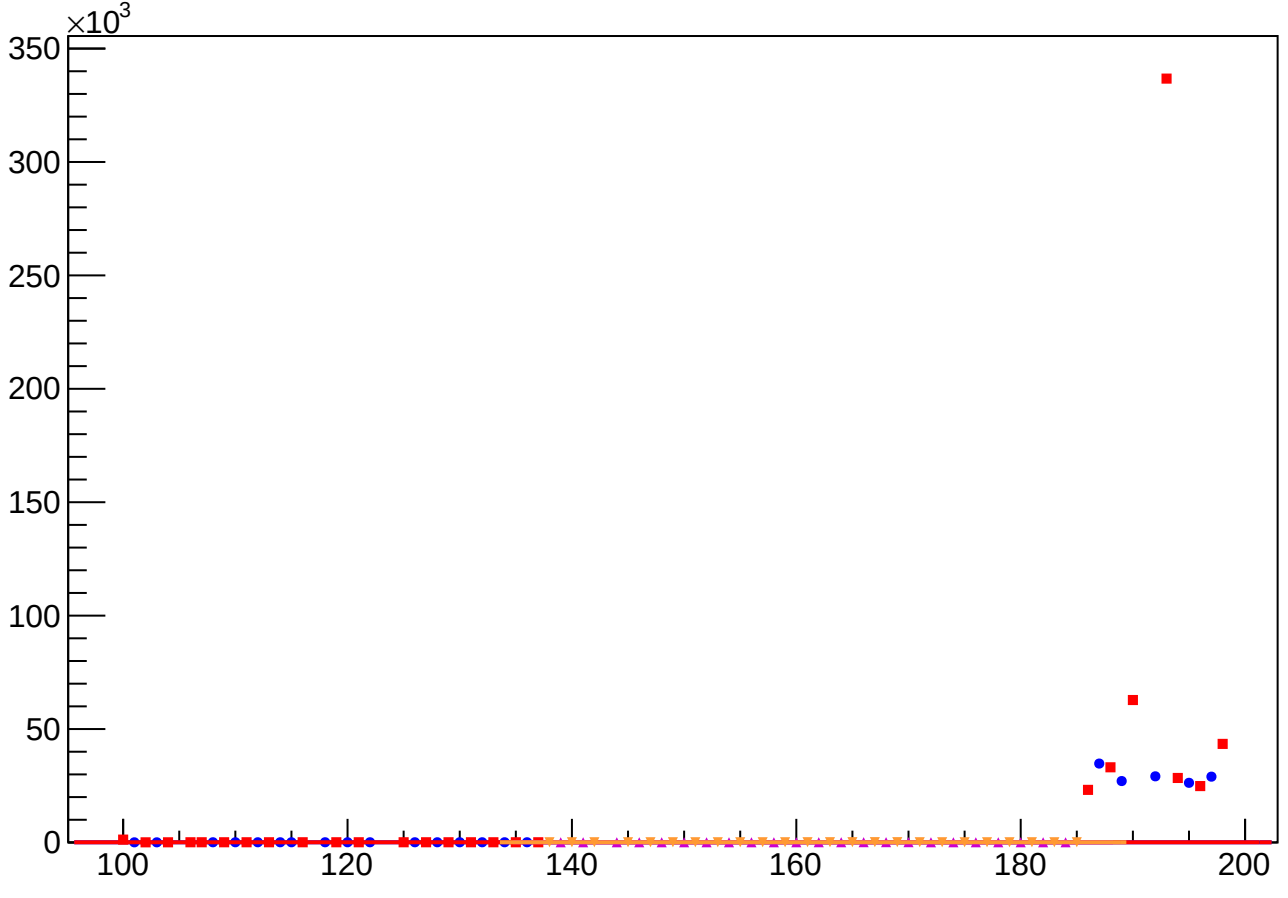
Right: 8.412+/-21.402 χ^2/NDF: 44.4/44

In: -19.742+/-17.532 χ^2/NDF:43.3/43

Out: 12.956+/-17.559 χ^2/NDF:44.9/47

All: -3.417+/-12.407 χ^2/NDF: 90.0/91

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.119+/-0.021 χ^2/NDF: 3238744.1/20

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

Right Out: 79.435+/-0.022 χ^2/NDF: 4191941.6/24

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

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

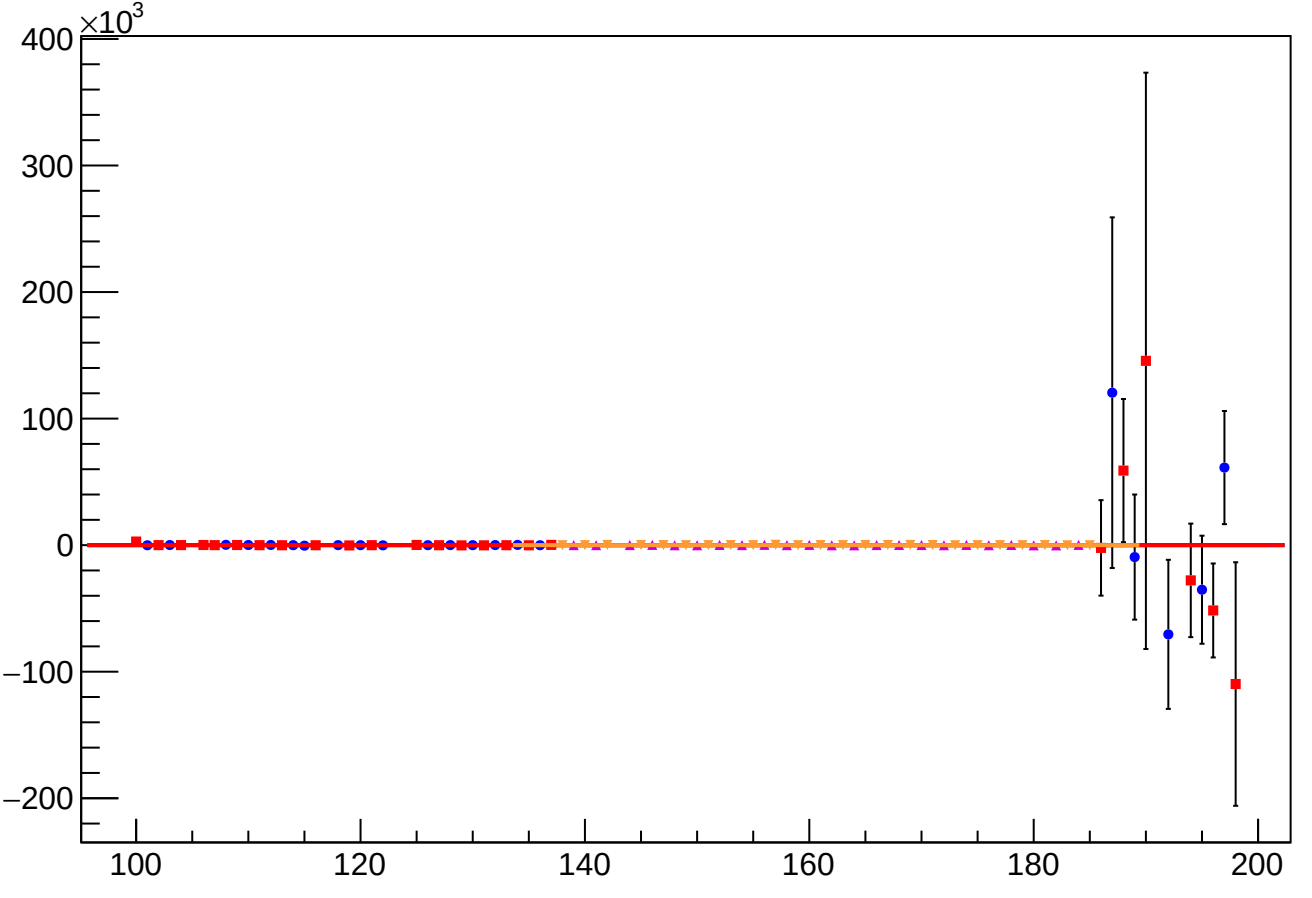
Right: 77.752+/-0.015 χ^2/NDF: 7442689.4/45

In: 85.022+/-0.012 χ^2/NDF:4014605.1/43

Out: 86.311+/-0.012 χ^2/NDF:4810976.0/48

All: 85.666+/-0.009 χ^2/NDF: 8830971.6/92

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 8.107+/-30.012 χ^2/NDF: 18.8/20

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

Right Out: -25.814+/-30.473 χ^2/NDF: 17.9/23

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

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

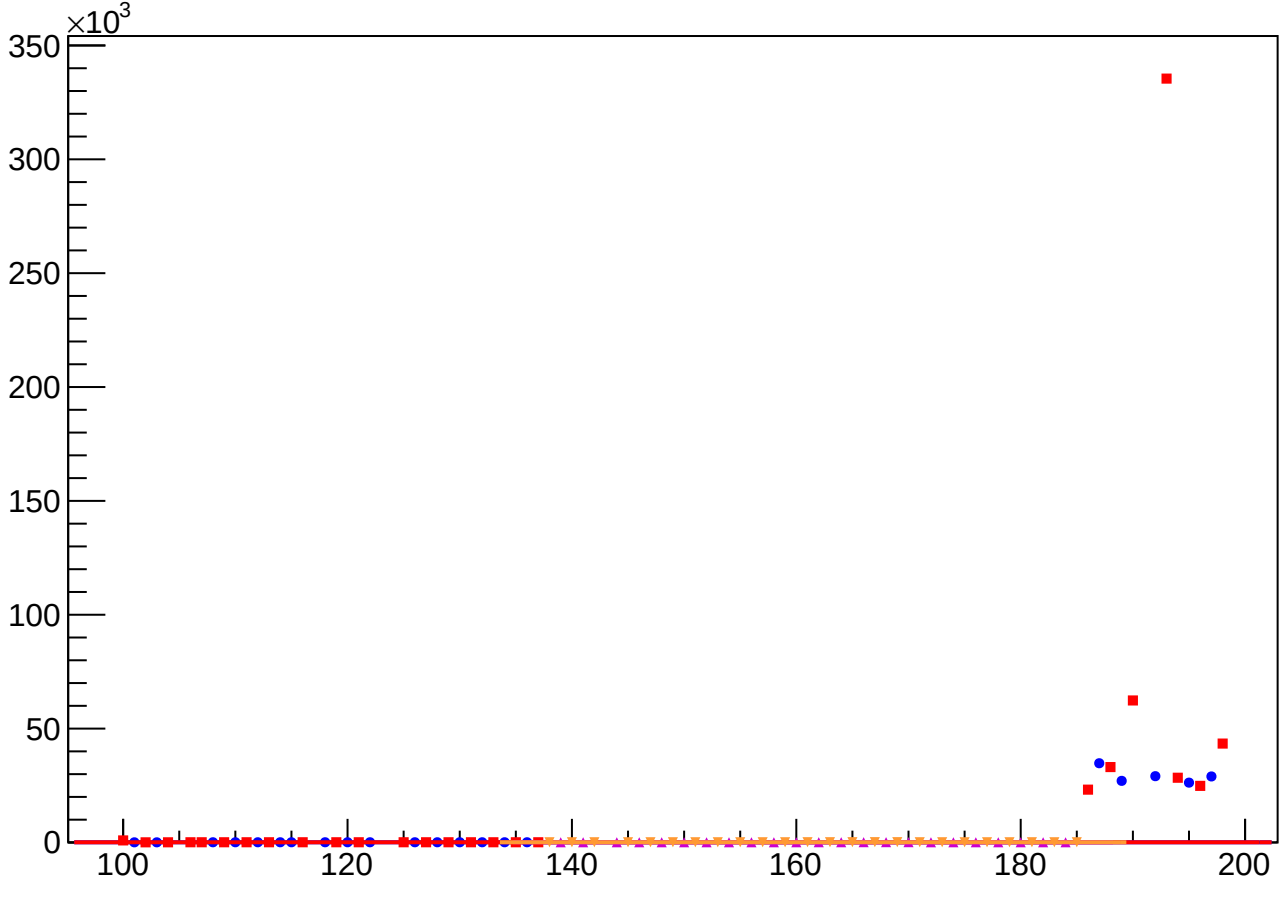
Right: -8.595+/-21.383 χ^2/NDF: 37.3/44

In: 31.378+/-17.528 χ^2/NDF:51.2/43

Out: 1.642+/-17.552 χ^2/NDF:36.3/47

All: 16.530+/-12.403 χ^2/NDF: 88.9/91

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.050+/-0.021 χ^2/NDF: 3237834.8/20

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

Right Out: 79.383+/-0.022 χ^2/NDF: 4184799.9/24

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

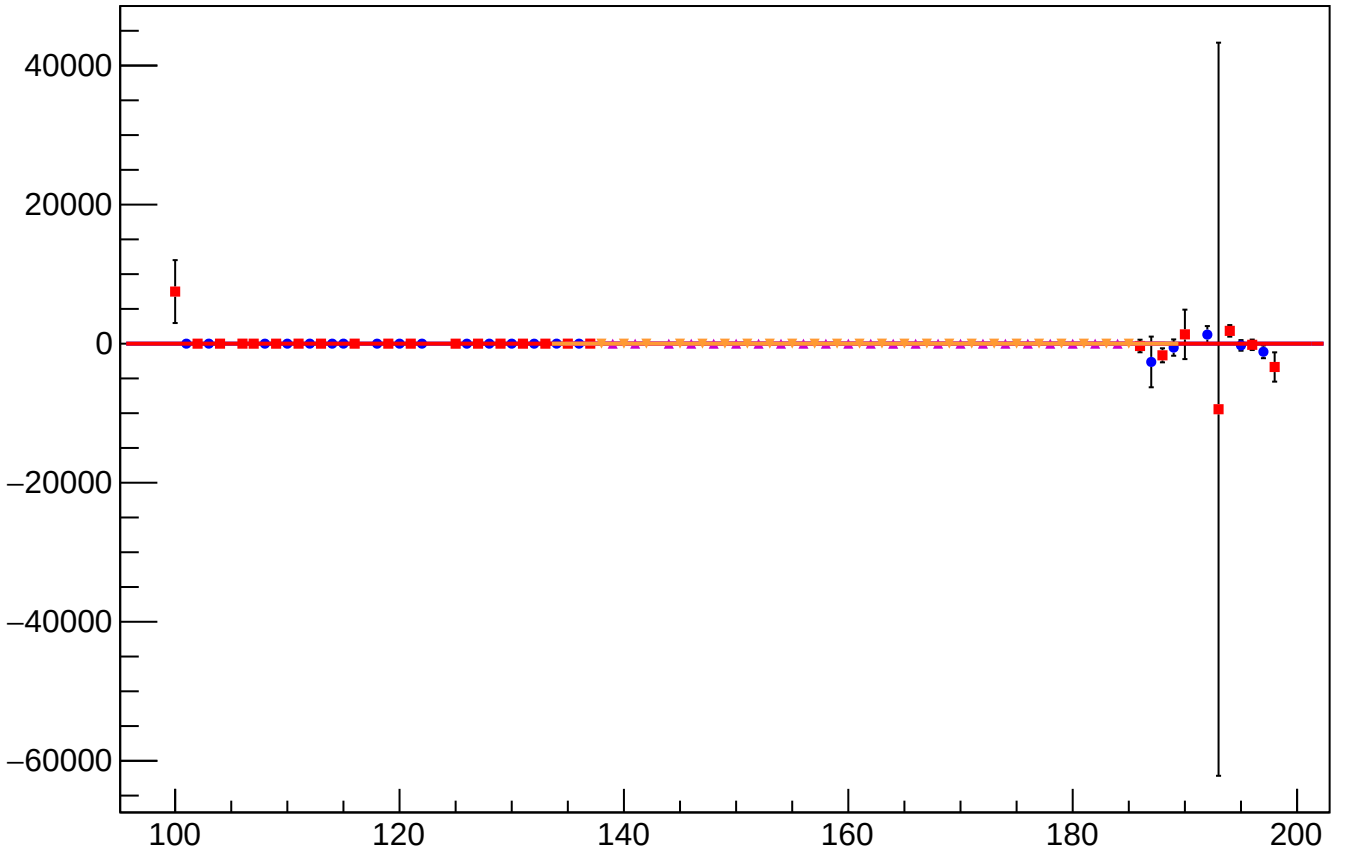
Left: 89.670+/-0.011 χ^2/NDF: 976153.9/46

Right: 77.691+/-0.015 χ^2/NDF: 7434785.0/45

In: 84.996+/-0.012 χ^2/NDF:4018609.9/43

Out: 86.285+/-0.012 χ^2/NDF:4803434.6/48

All: 85.640+/-0.009 χ^2/NDF: 8827443.2/92



Right In: 0.892+/-0.531 χ^2/NDF: 15.5/20

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

Right Out: 0.347+/-0.549 χ^2/NDF: 24.0/24

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

Left: -0.293+/-0.276 χ^2/NDF: 41.7/46

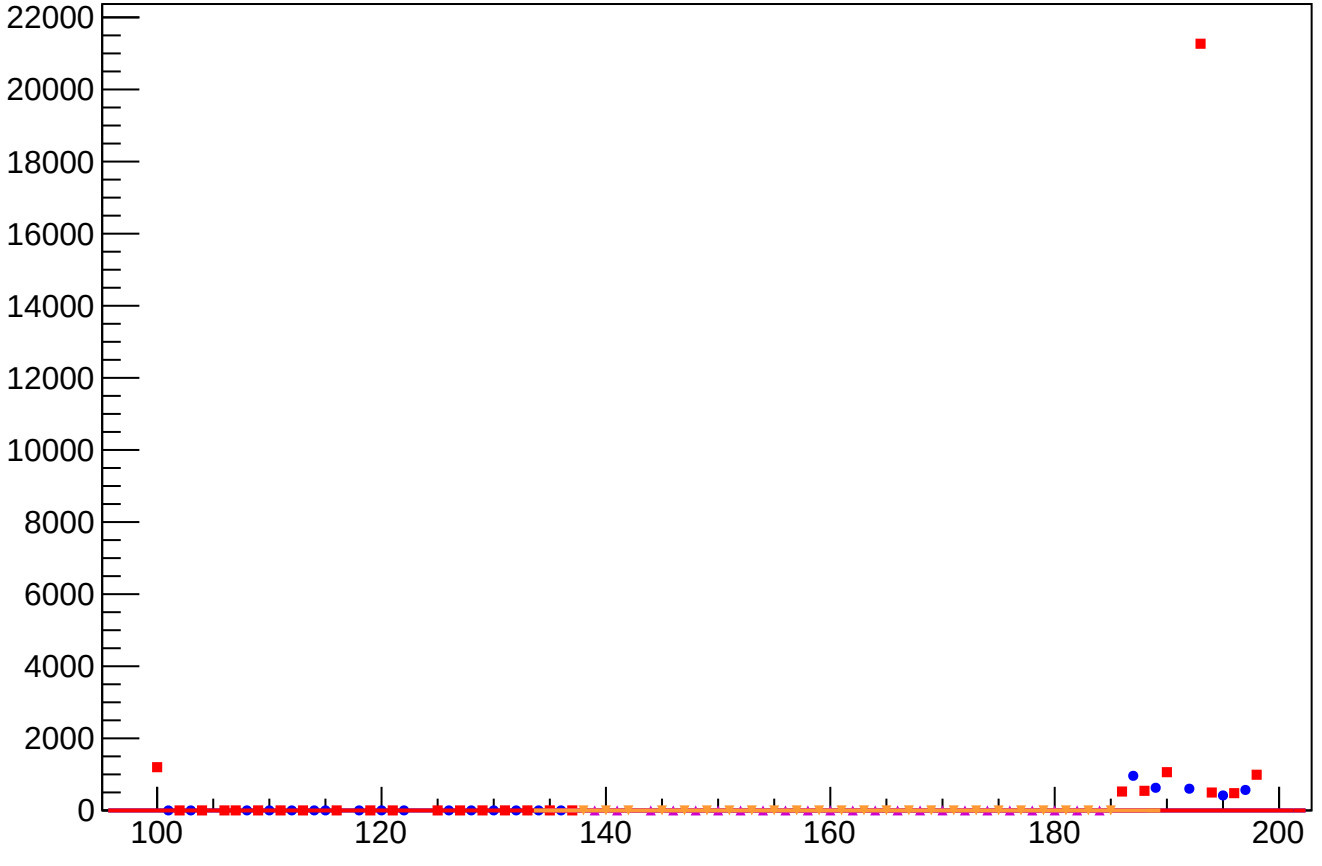
Right: 0.628+/-0.382 χ^2/NDF: 40.0/45

In: 0.266+/-0.315 χ^2/NDF:38.0/43

Out: -0.225+/-0.318 χ^2/NDF:46.4/48

All: 0.023+/-0.224 χ^2/NDF: 85.6/92

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.234+/-0.000 χ^2/NDF: 3158675.5/20

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

Right Out: 1.316+/-0.000 χ^2/NDF: 4249767.2/24

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

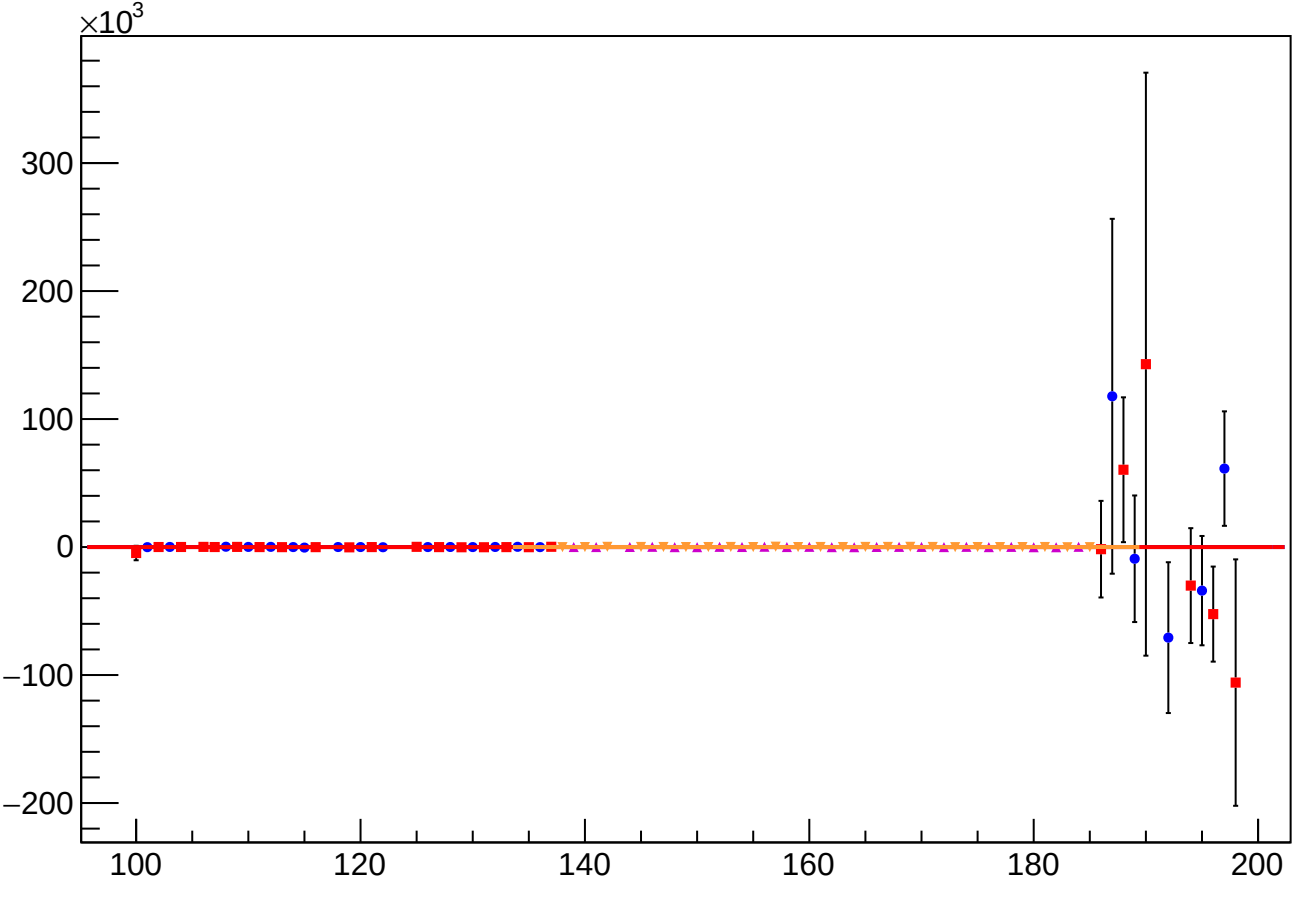
Left: 1.466+/-0.000 χ^2/NDF: 2203936.9/46

Right: 1.274+/-0.000 χ^2/NDF: 7431767.2/45

In: 1.381+/-0.000 χ^2/NDF:4445013.4/43

Out: 1.418+/-0.000 χ^2/NDF:5509168.9/48

All: 1.400+/-0.000 χ^2/NDF: 9967881.9/92



Right In: 7.401+/-30.020 χ^2/NDF: 18.6/20

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

Right Out: -26.425+/-30.482 χ^2/NDF: 18.2/23

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

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

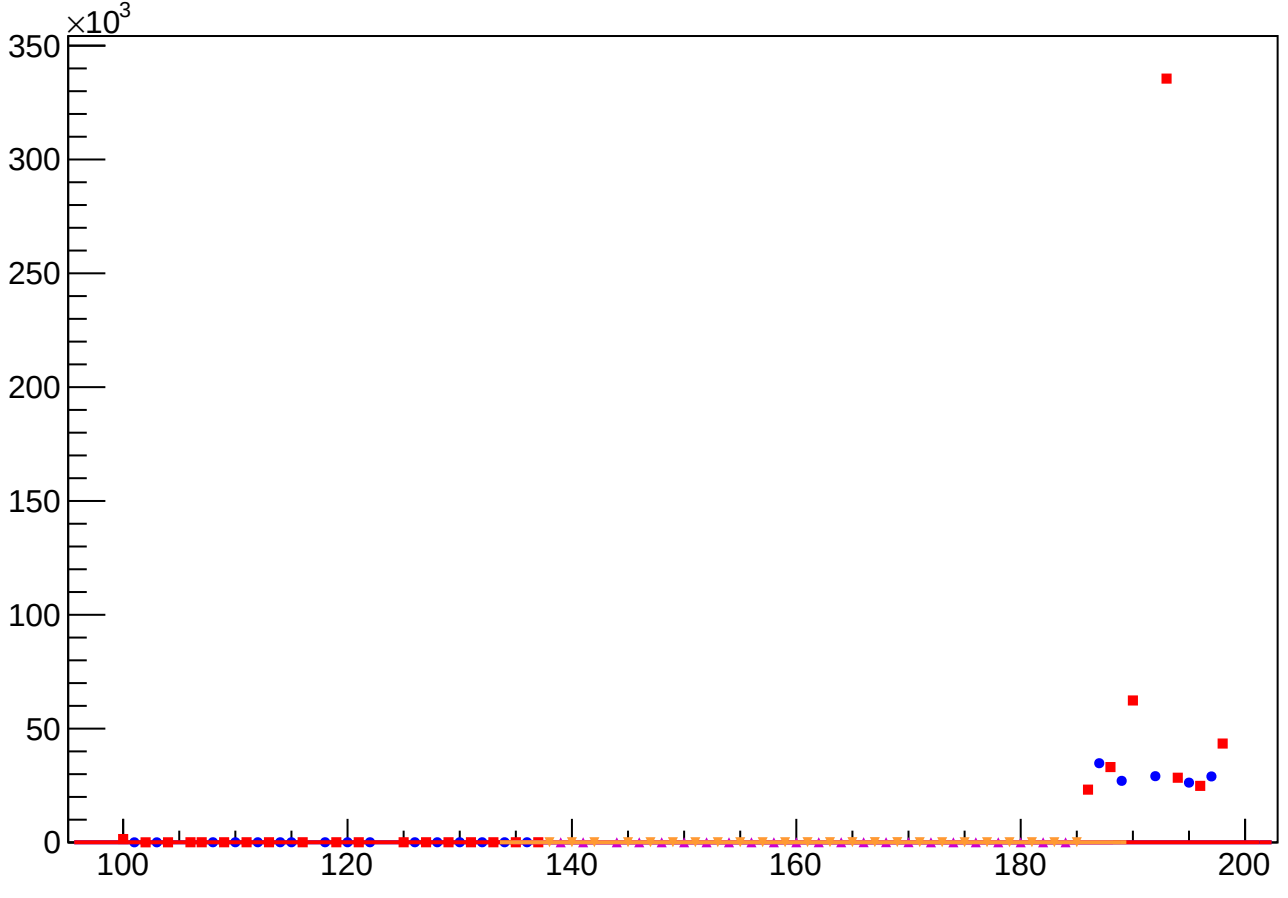
Right: -9.254+/-21.389 χ^2/NDF: 37.4/44

In: 31.453+/-17.533 χ^2/NDF:50.7/43

Out: 1.770+/-17.558 χ^2/NDF:36.5/47

All: 16.632+/-12.407 χ^2/NDF: 88.6/91

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.070+/-0.021 χ^2/NDF: 3237926.6/20

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

Right Out: 79.380+/-0.022 χ^2/NDF: 4194101.1/24

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

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

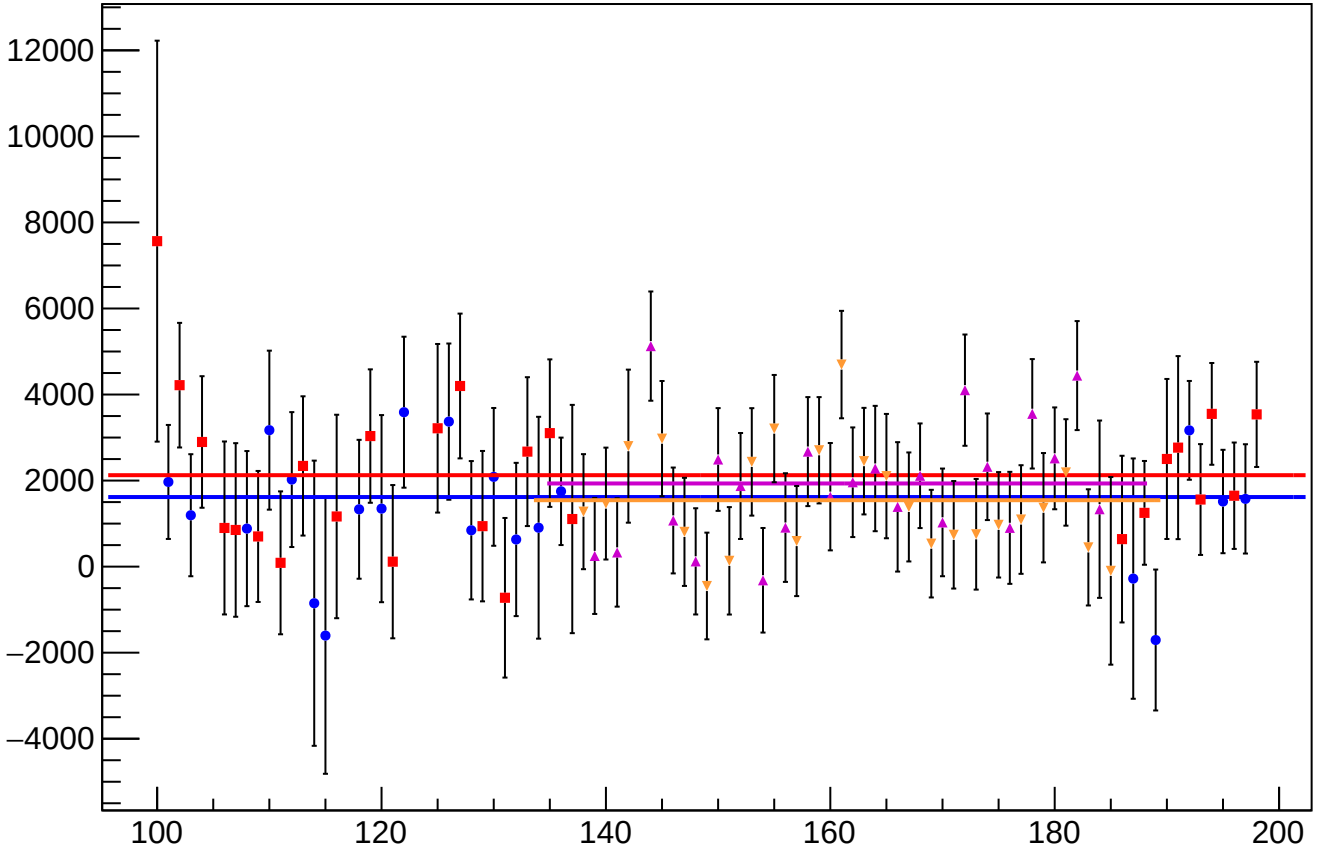
Right: 77.700+/-0.015 χ^2/NDF: 7443997.7/45

In: 85.021+/-0.012 χ^2/NDF:4019604.2/43

Out: 86.302+/-0.012 χ^2/NDF:4814309.5/48

All: 85.661+/-0.009 χ^2/NDF: 8839249.2/92

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1617.354+/-354.860 χ^2/NDF: 12.0/20

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

Right Out: 2125.305+/-321.370 χ^2/NDF: 18.3/25

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

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

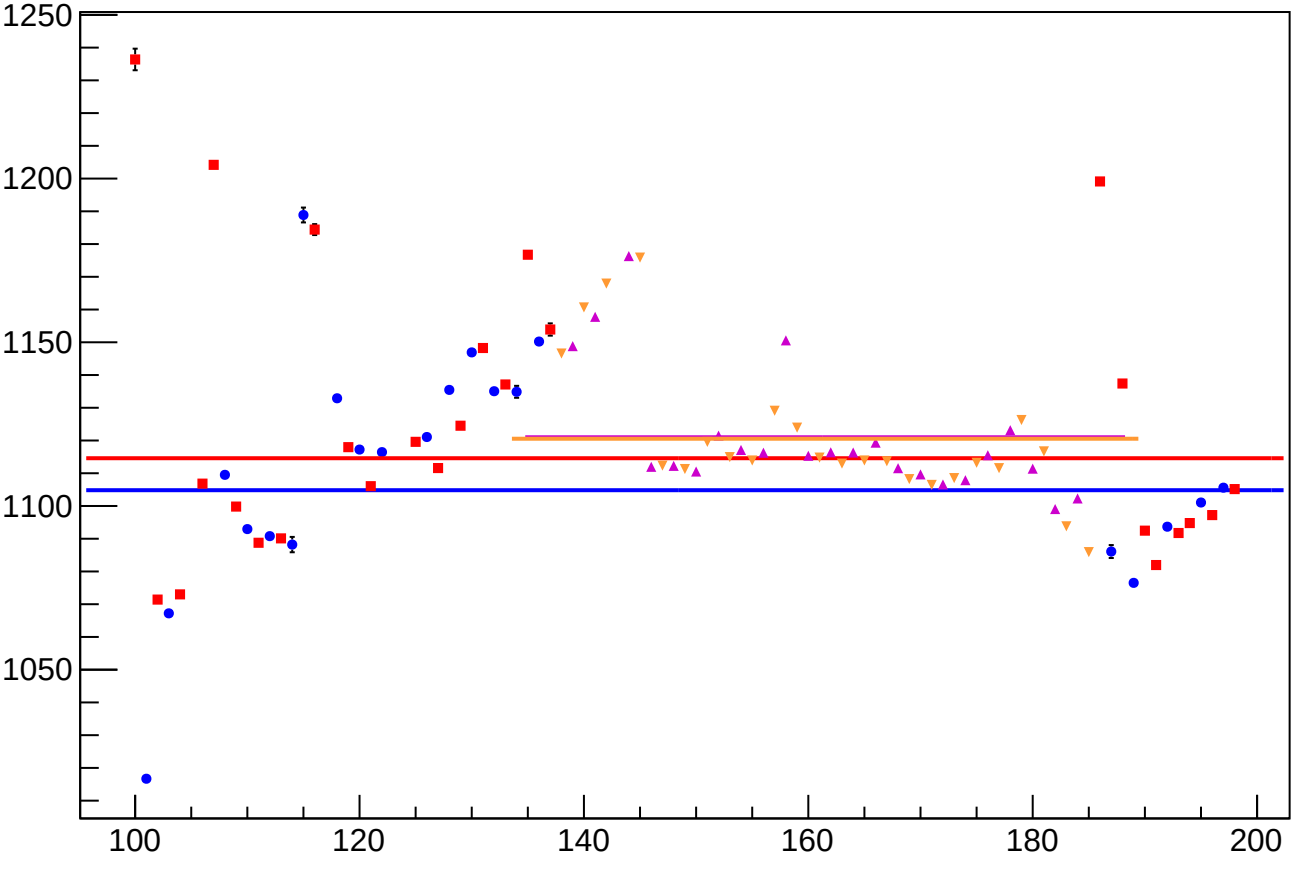
Right: 1896.425+/-238.205 χ^2/NDF: 31.4/46

In: 1818.351+/-213.865 χ^2/NDF:39.5/43

Out: 1780.682+/-205.036 χ^2/NDF:40.2/49

All: 1798.723+/-148.005 χ^2/NDF: 79.7/93

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1104.820+/-0.251 χ^2/NDF: 19344.0/20

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

Right Out: 1114.588+/-0.227 χ^2/NDF: 22658.5/25

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

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

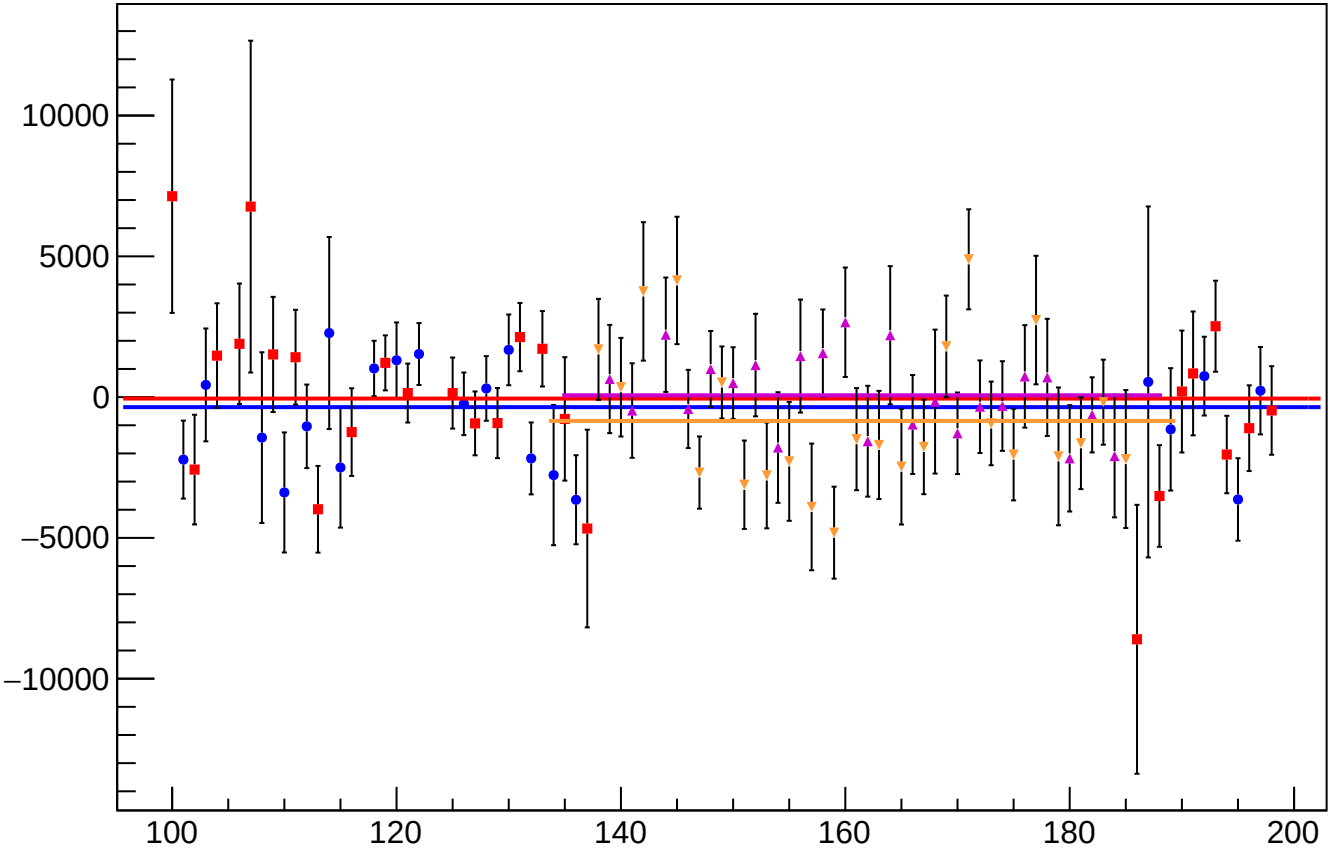
Right: 1110.187+/-0.168 χ^2/NDF: 42835.0/46

In: 1115.117+/-0.151 χ^2/NDF:31630.4/43

Out: 1118.119+/-0.145 χ^2/NDF:33318.4/49

All: 1116.681+/-0.105 χ^2/NDF: 65154.0/93

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -356.175+/-328.211 χ^2/NDF: 28.6/20

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

Right Out: -51.632+/-310.981 χ^2/NDF: 37.9/25

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

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

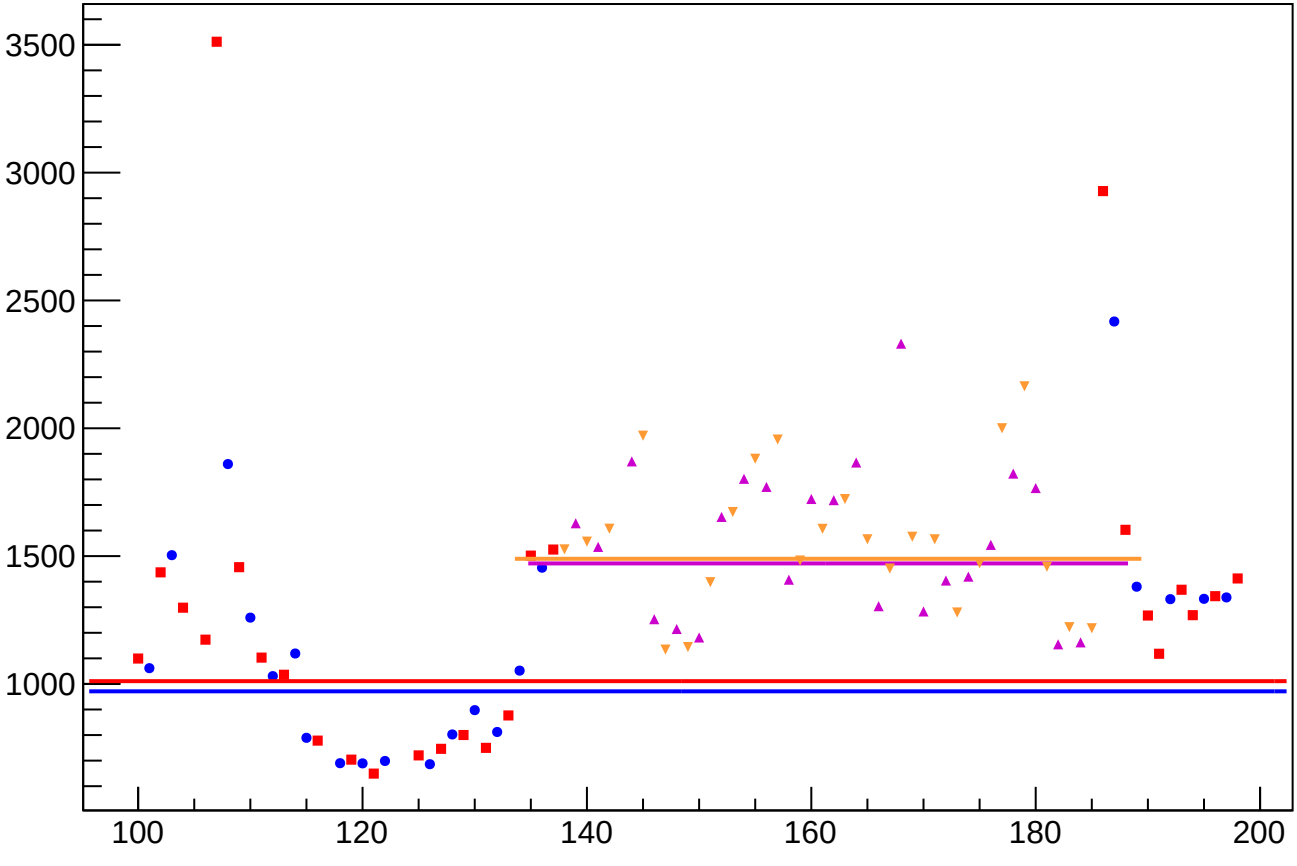
Right: -195.700+/-225.742 χ^2/NDF: 66.9/46

In: -163.958+/-242.169 χ^2/NDF:41.5/43

Out: -389.439+/-235.652 χ^2/NDF:83.9/49

All: -279.773+/-168.888 χ^2/NDF: 125.8/93

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 971.068+/-0.232 χ^2/NDF: 1701962.8/20

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

Right Out: 1010.832+/-0.220 χ^2/NDF: 2590786.3/25

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

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

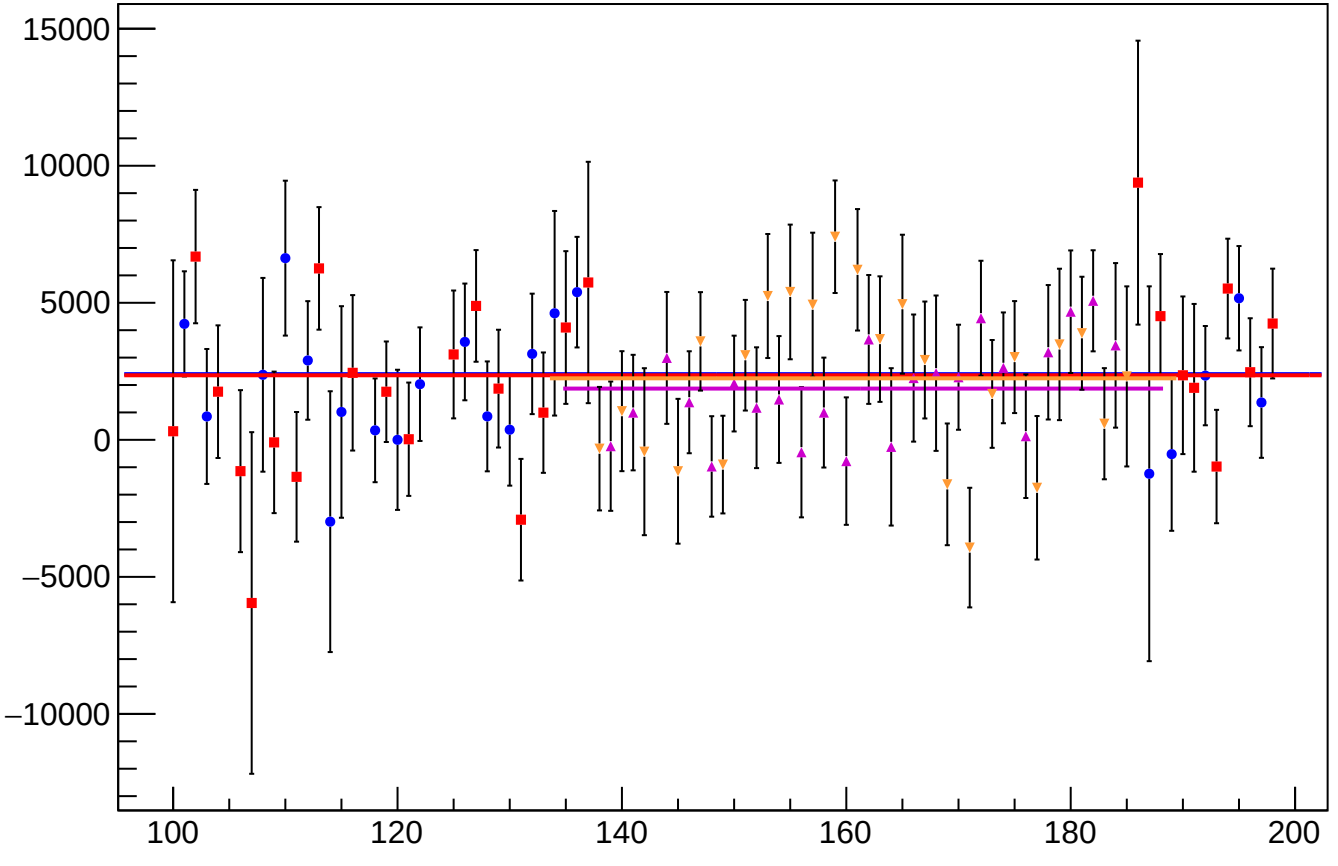
Right: 992.021+/-0.160 χ^2/NDF: 4308218.3/46

In: 1199.008+/-0.171 χ^2/NDF:4924647.0/43

Out: 1214.644+/-0.167 χ^2/NDF:5617610.0/49

All: 1207.039+/-0.119 χ^2/NDF: 10546539.5/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2397.399+/-510.245 χ^2/NDF: 15.4/20

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

Right Out: 2355.348+/-475.363 χ^2/NDF: 32.3/25

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

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

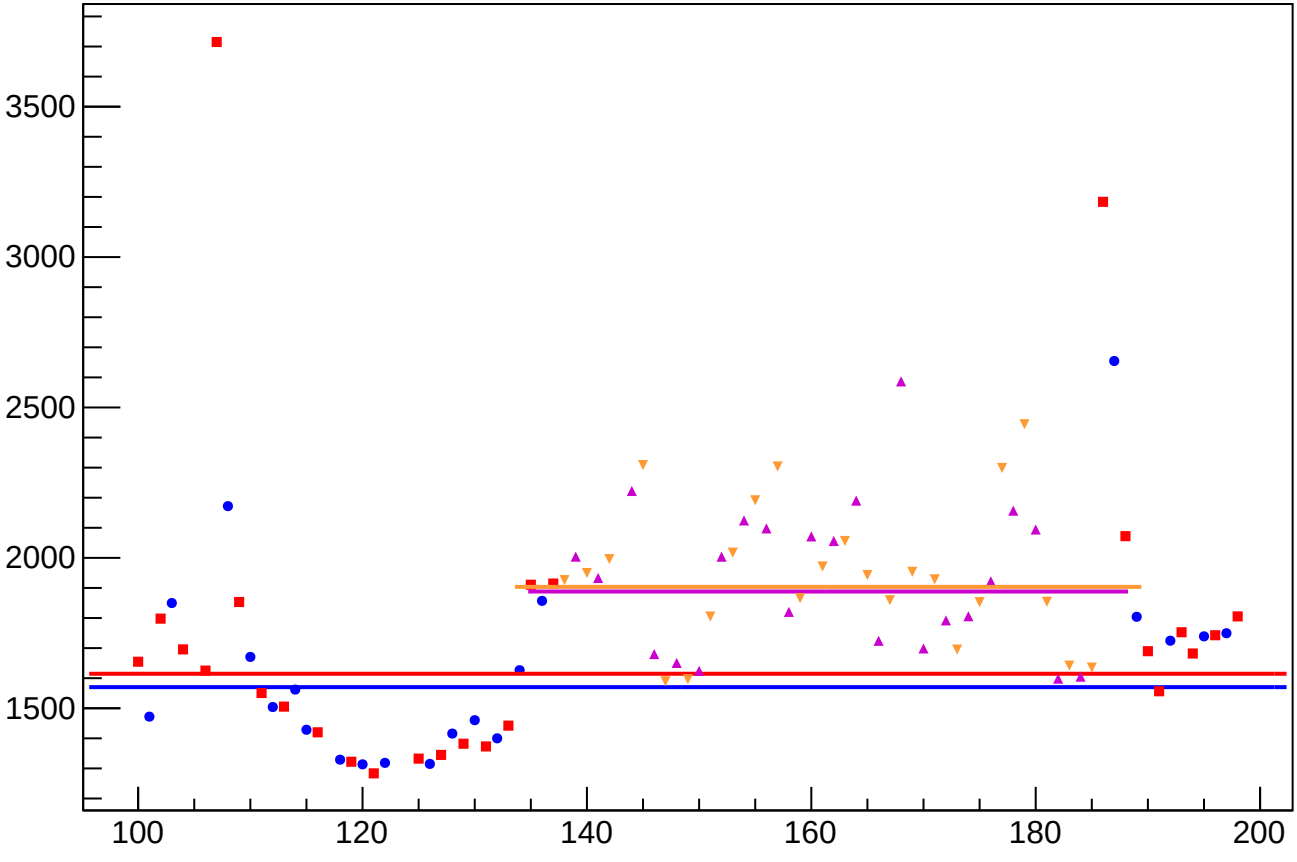
Right: 2374.887+/-347.811 χ^2/NDF: 47.7/46

In: 2103.763+/-339.785 χ^2/NDF:30.9/43

Out: 2297.634+/-329.251 χ^2/NDF:70.9/49

All: 2203.750+/-236.452 χ^2/NDF: 101.9/93

asym_usl_rms vs Slug, Sign Corrected



Right In: 1570.214+/-0.361 χ^2/NDF: 387820.1/20

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

Right Out: 1614.741+/-0.336 χ^2/NDF: 836858.7/25

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

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

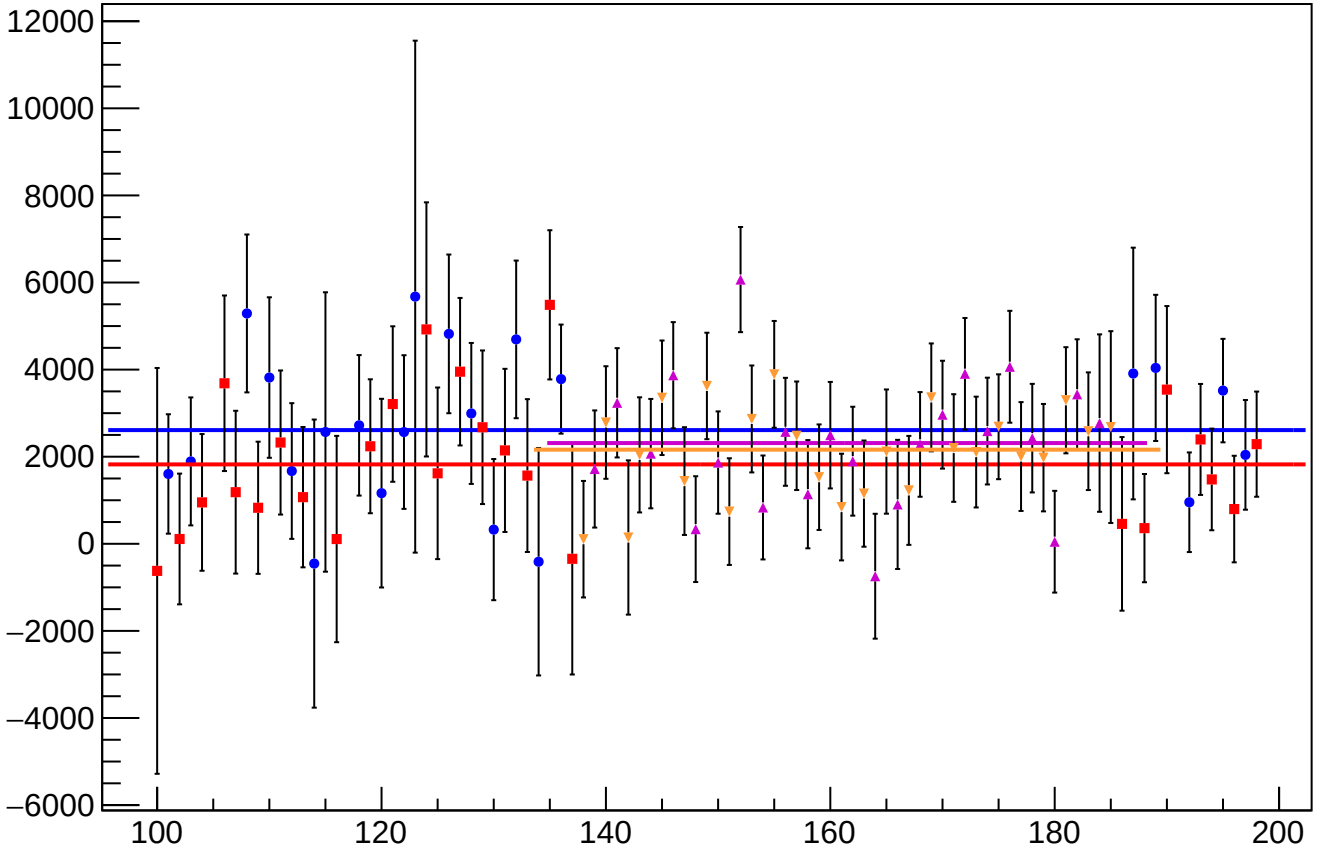
Right: 1594.052+/-0.246 χ^2/NDF: 1232832.3/46

In: 1747.143+/-0.240 χ^2/NDF:1324475.0/43

Out: 1765.013+/-0.233 χ^2/NDF:1682810.2/49

All: 1756.360+/-0.167 χ^2/NDF: 3010138.1/93

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2610.935+/-356.376 χ^2/NDF: 16.2/21

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

Right Out: 1823.463+/-323.777 χ^2/NDF: 16.8/25

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

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

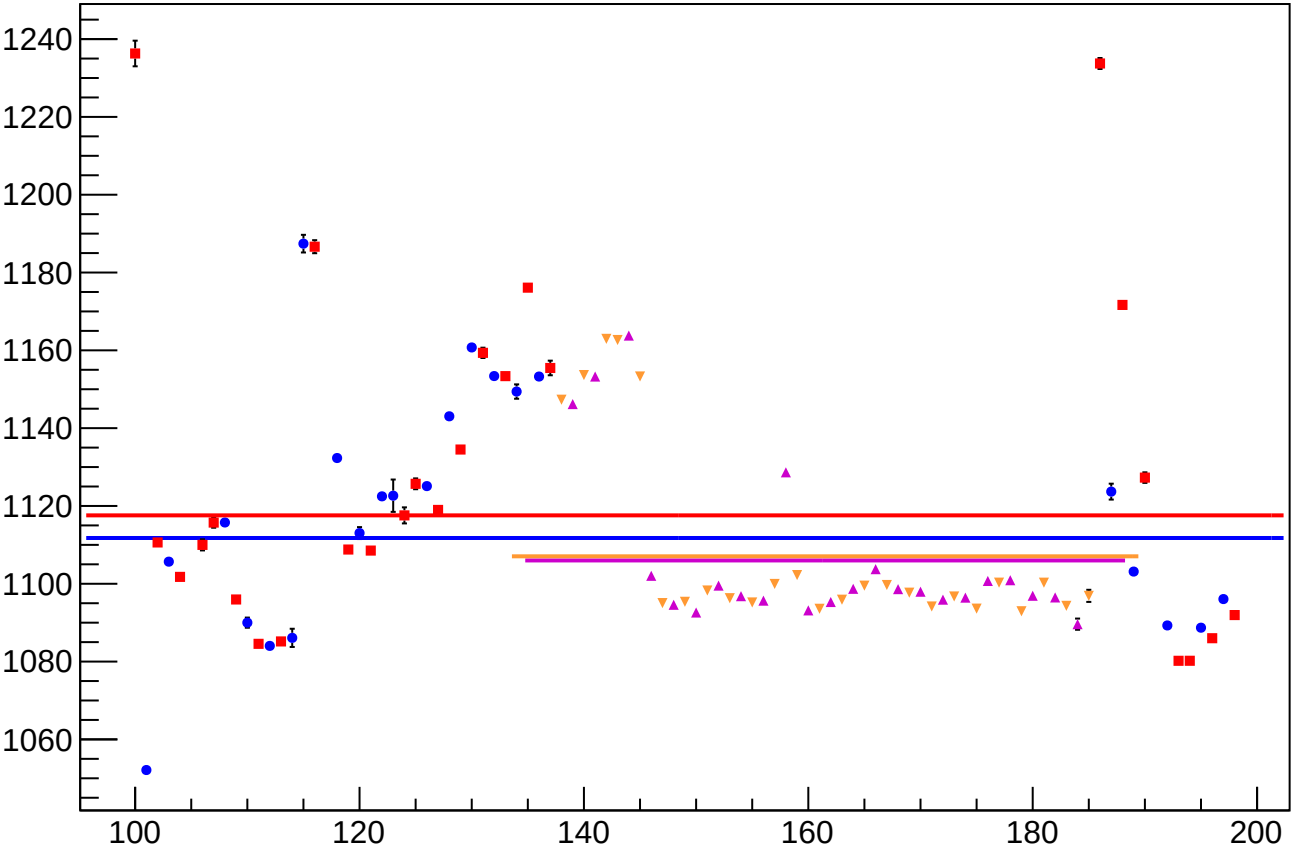
Right: 2179.543+/-239.643 χ^2/NDF: 35.7/47

In: 2419.113+/-212.357 χ^2/NDF:47.9/44

Out: 2030.474+/-201.543 χ^2/NDF:32.6/50

All: 2214.647+/-146.186 χ^2/NDF: 82.3/95

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1111.767+/-0.252 χ^2/NDF: 14653.6/21

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

Right Out: 1117.584+/-0.229 χ^2/NDF: 26824.6/25

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

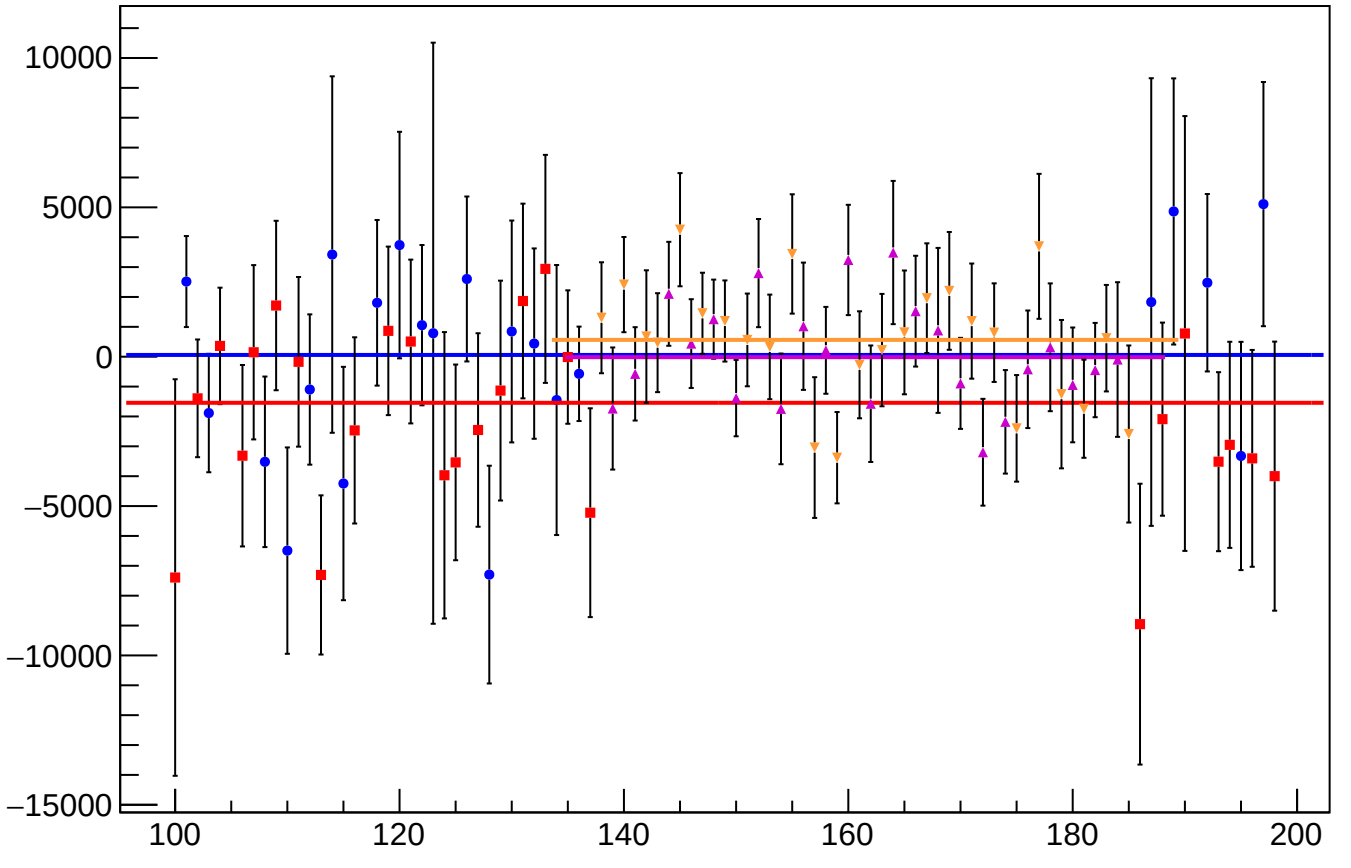
Left: 1106.541+/-0.130 χ^2/NDF: 26743.4/47

Right: 1114.954+/-0.169 χ^2/NDF: 41770.0/47

In: 1108.046+/-0.150 χ^2/NDF:26543.1/44

Out: 1111.136+/-0.143 χ^2/NDF:43295.1/50

All: 1109.671+/-0.103 χ^2/NDF: 70061.1/95



Right In: 59.186+/-616.717 χ^2/NDF: 21.4/21

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

Right Out: -1543.063+/-602.860 χ^2/NDF: 18.6/25

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

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

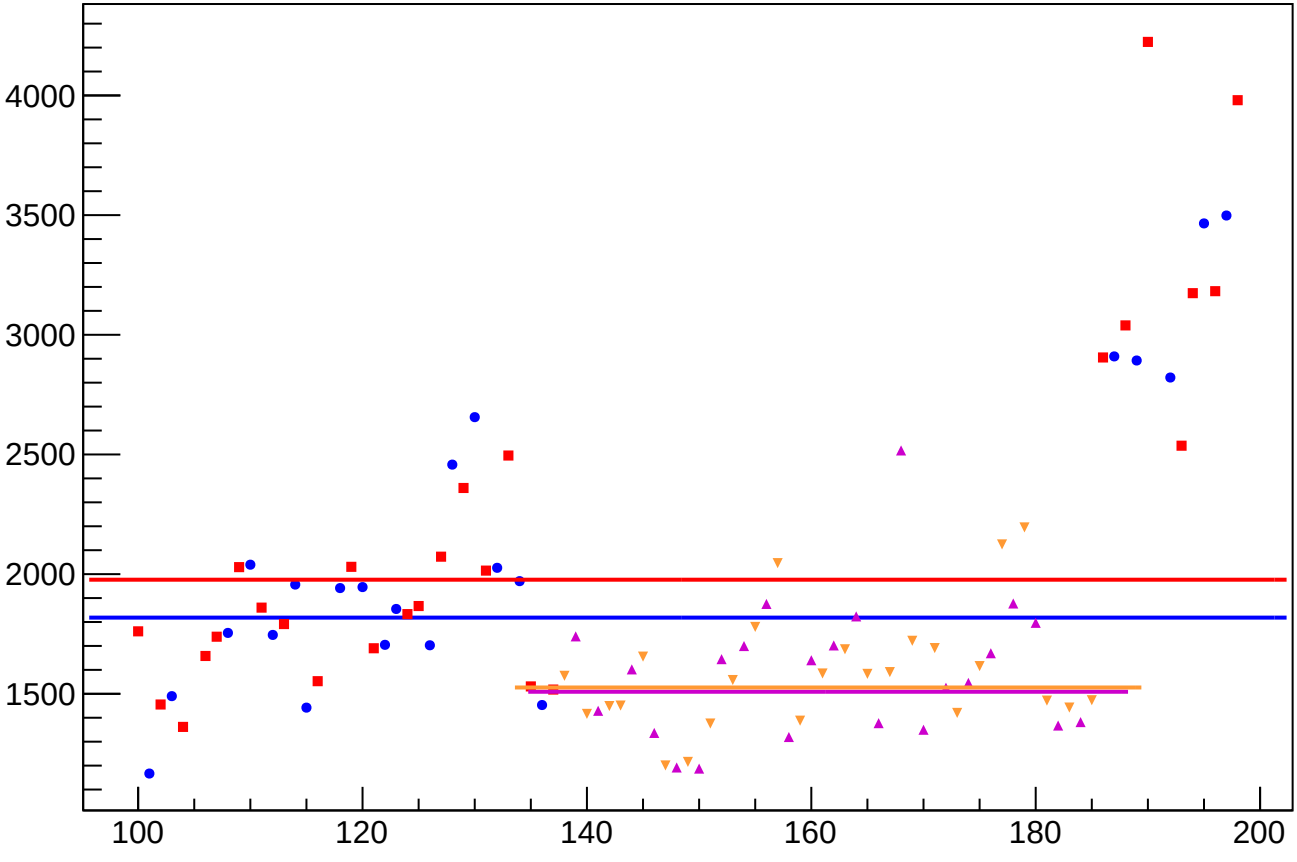
Right: -760.141+/-431.102 χ^2/NDF: 43.4/47

In: 4.005+/-315.289 χ^2/NDF:41.6/44

Out: 7.566+/-309.655 χ^2/NDF:54.3/50

All: 5.818+/-220.924 χ^2/NDF: 95.9/95

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1818.348+/-0.436 χ^2/NDF: 1841673.5/21

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

Right Out: 1976.742+/-0.426 χ^2/NDF: 2040574.2/25

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

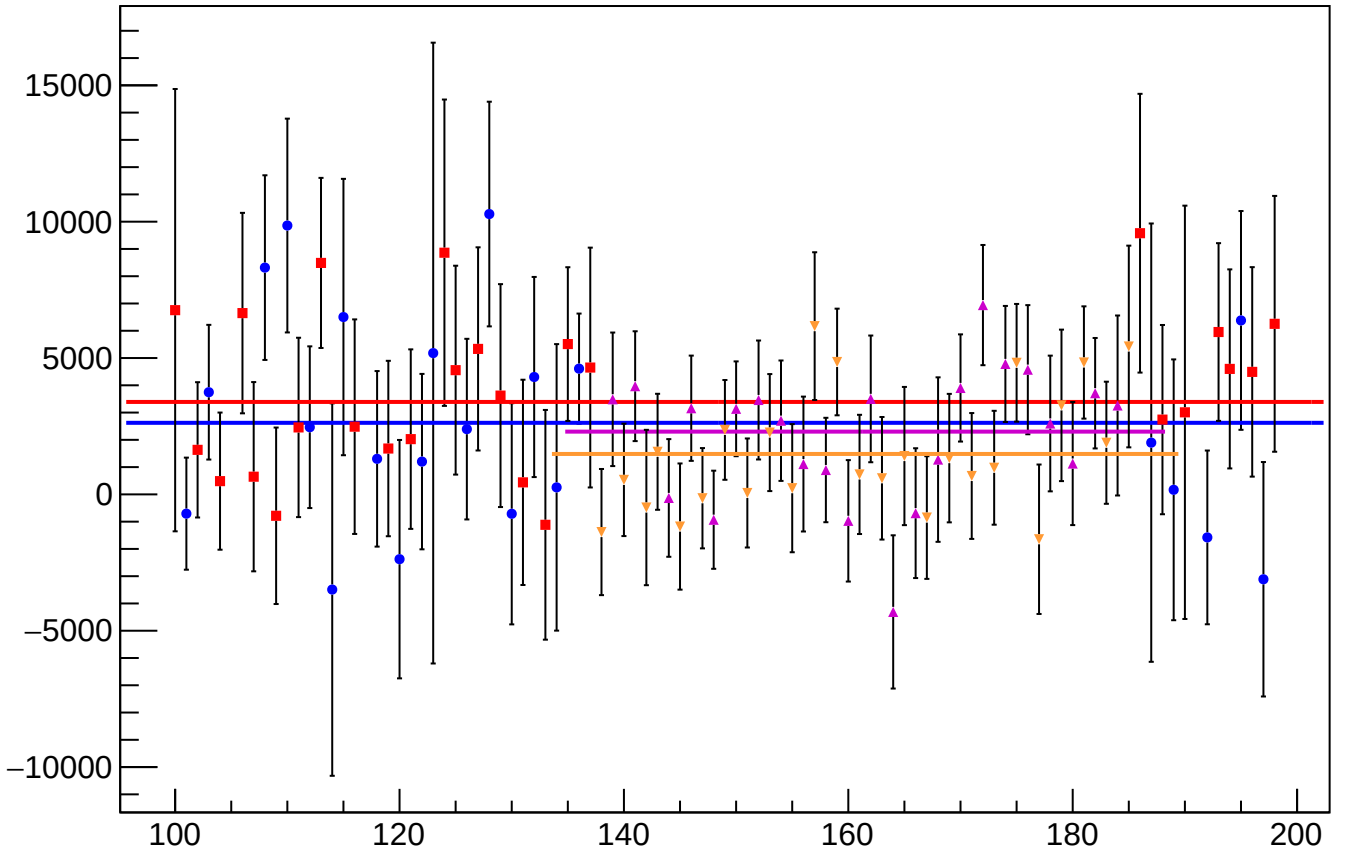
Left: 1517.632+/-0.182 χ^2/NDF: 1687794.7/47

Right: 1899.344+/-0.305 χ^2/NDF: 3949710.5/47

In: 1589.543+/-0.223 χ^2/NDF:3146058.1/44

Out: 1645.207+/-0.219 χ^2/NDF:3615921.7/50

All: 1617.877+/-0.156 χ^2/NDF: 6793711.3/95



Right In: 2624.220+/-741.052 χ^2/NDF: 22.4/21

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

Right Out: 3390.077+/-708.008 χ^2/NDF: 14.8/25

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

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

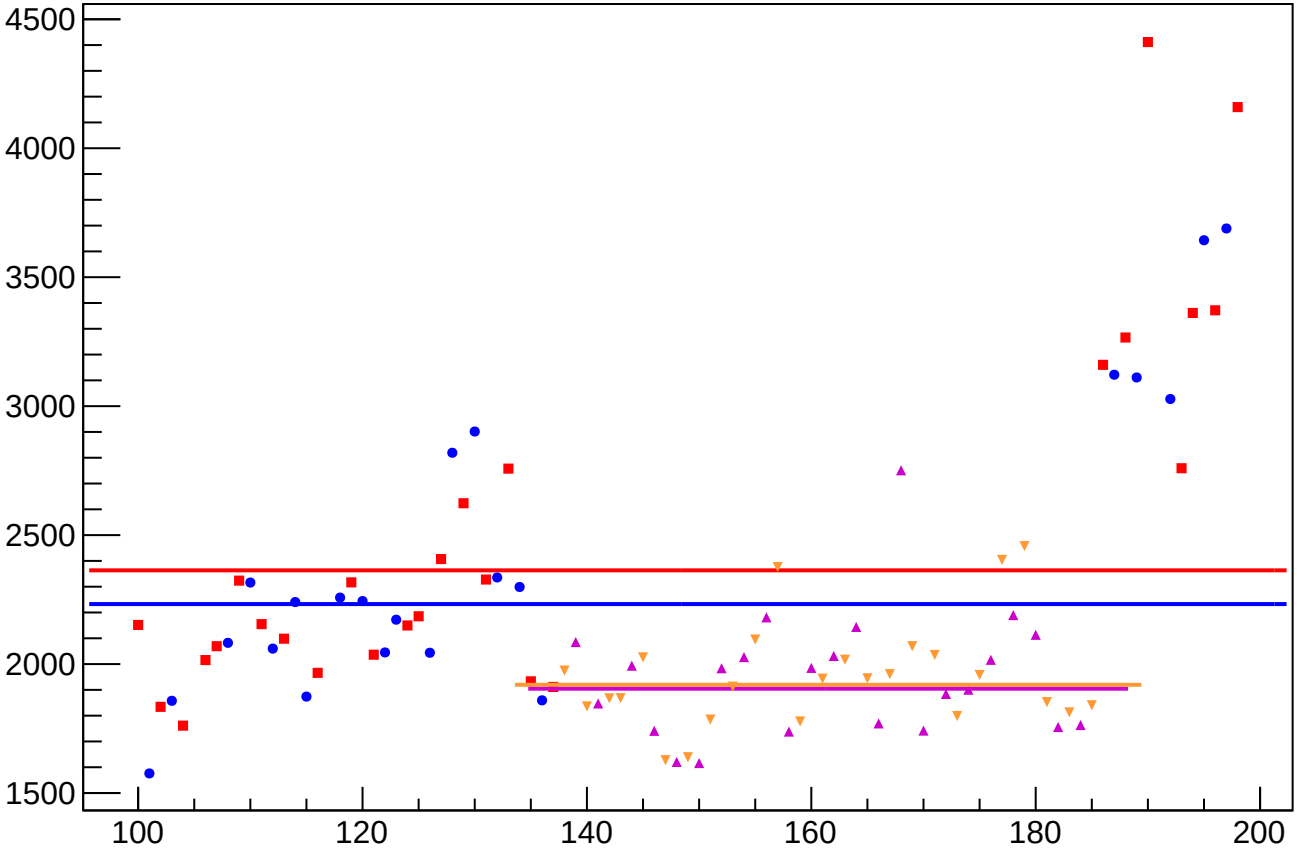
Right: 3024.604+/-511.921 χ^2/NDF: 37.7/47

In: 2390.809+/-390.236 χ^2/NDF:47.3/44

Out: 2031.249+/-379.771 χ^2/NDF:40.9/50

All: 2206.143+/-272.163 χ^2/NDF: 88.6/95

asym_usr_rms vs Slug, Sign Corrected



Right In: 2232.638+/-0.524 χ^2/NDF: 1144087.7/21

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

Right Out: 2363.406+/-0.501 χ^2/NDF: 1343900.9/25

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

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

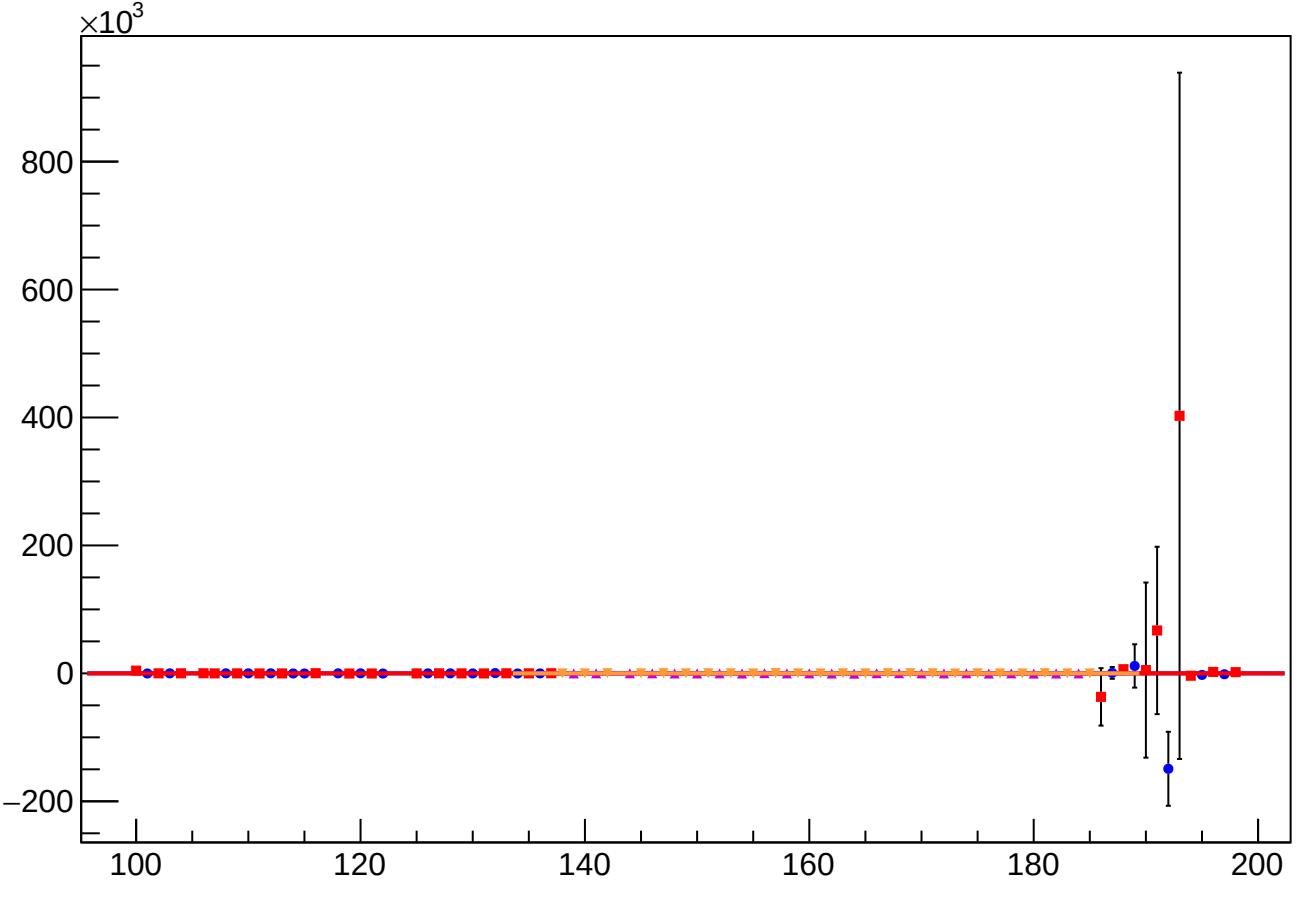
Right: 2301.002+/-0.362 χ^2/NDF: 2520546.7/47

In: 1995.587+/-0.276 χ^2/NDF:1874617.4/44

Out: 2047.385+/-0.269 χ^2/NDF:2269532.5/50

All: 2022.190+/-0.192 χ^2/NDF: 4162246.8/95

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -1.075+/-36.768 χ^2/NDF: 23.7/20

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

Right Out: 1.944+/-36.752 χ^2/NDF: 17.4/25

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

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

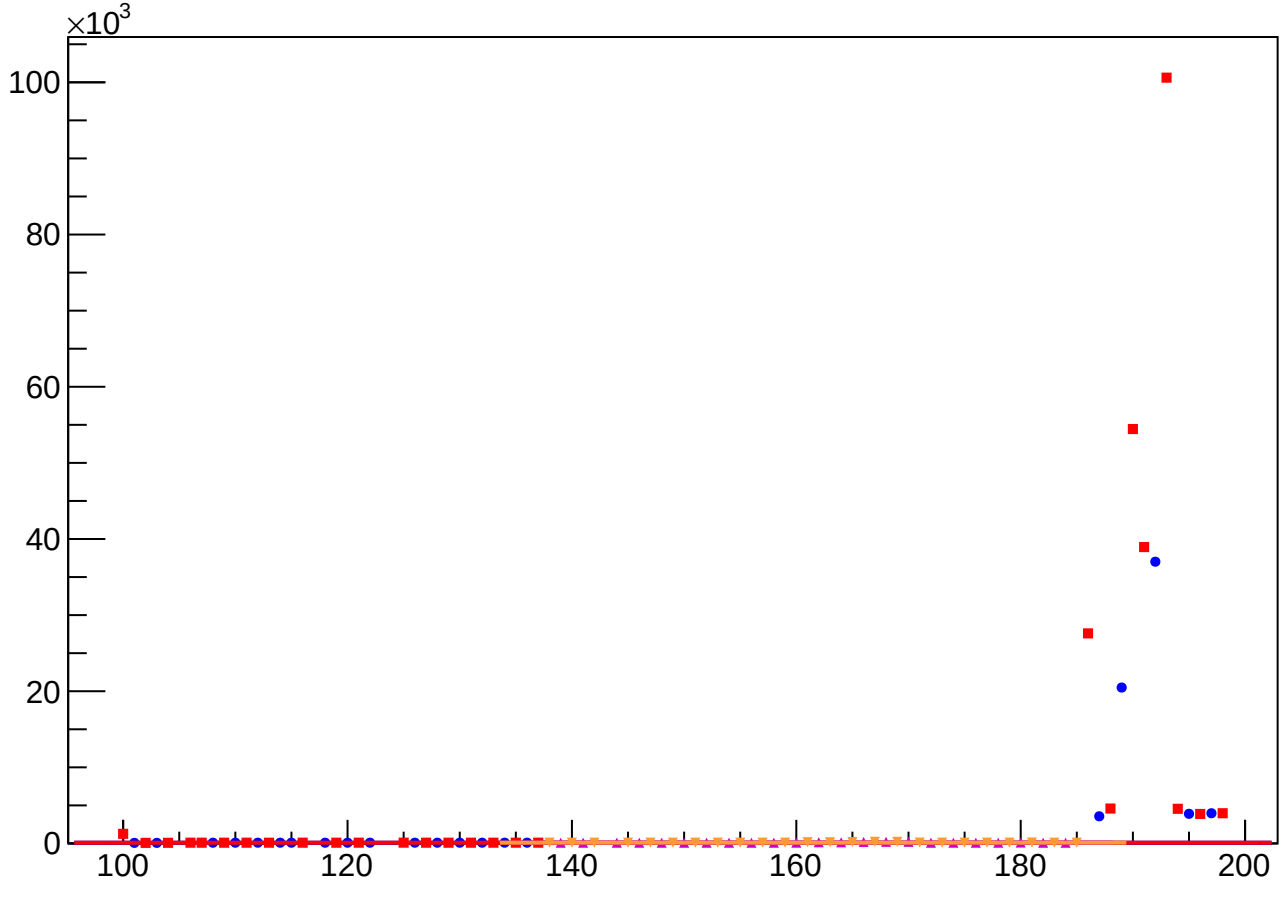
Right: 0.435+/-25.993 χ^2/NDF: 41.1/46

In: 16.014+/-21.414 χ^2/NDF:60.4/43

Out: 8.773+/-21.366 χ^2/NDF:53.4/49

All: 12.386+/-15.125 χ^2/NDF: 113.9/93

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.678+/-0.026 χ^2/NDF: 5028973.6/20

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

Right Out: 97.240+/-0.026 χ^2/NDF: 6762786.9/25

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

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

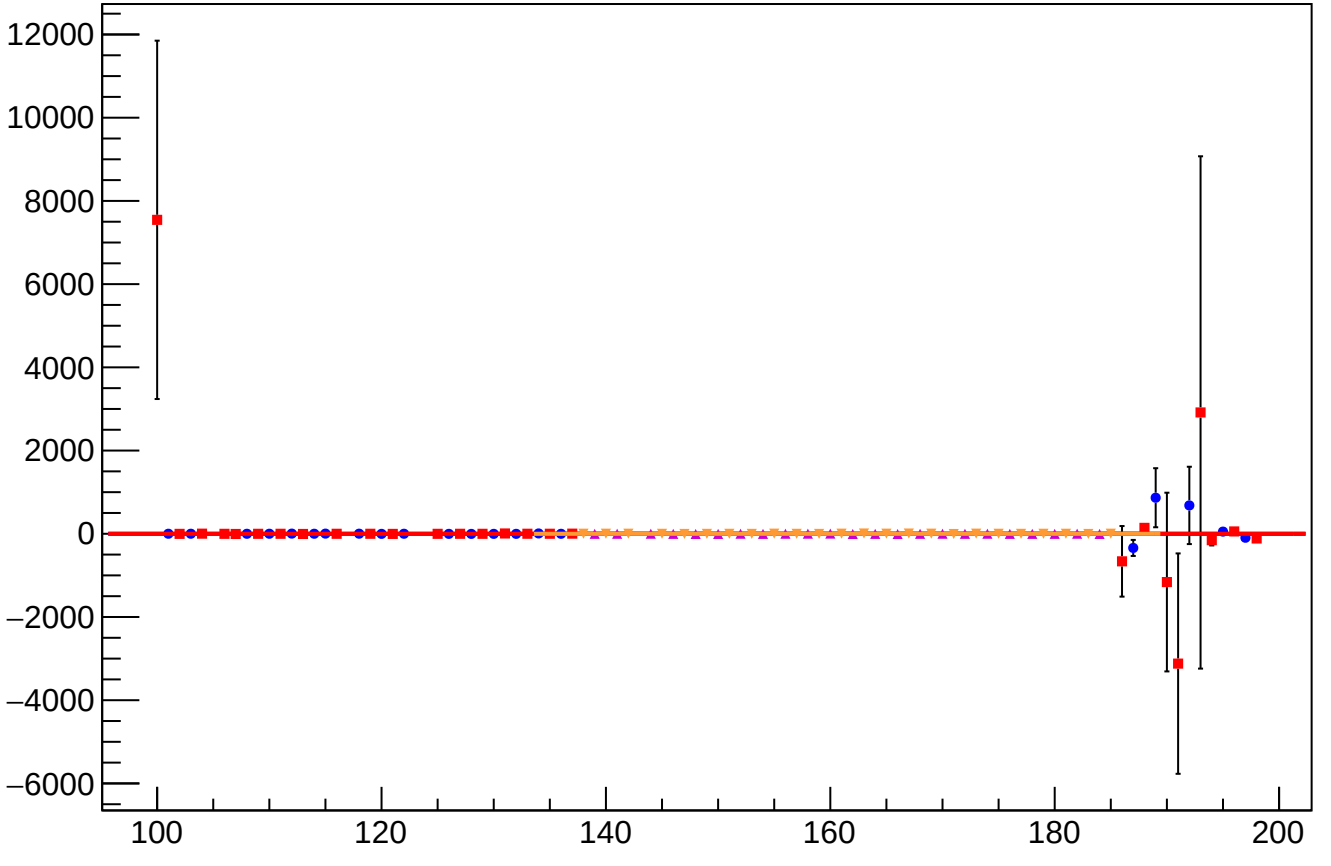
Right: 95.960+/-0.018 χ^2/NDF: 11796620.0/46

In: 103.265+/-0.015 χ^2/NDF:6685080.2/43

Out: 104.403+/-0.015 χ^2/NDF:8312507.8/49

All: 103.835+/-0.011 χ^2/NDF: 15000419.4/93

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.385+/-0.617 χ^2/NDF: 17.5/20

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

Right Out: -0.347+/-0.644 χ^2/NDF: 29.4/25

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

Left: -0.306+/-0.339 χ^2/NDF: 56.0/46

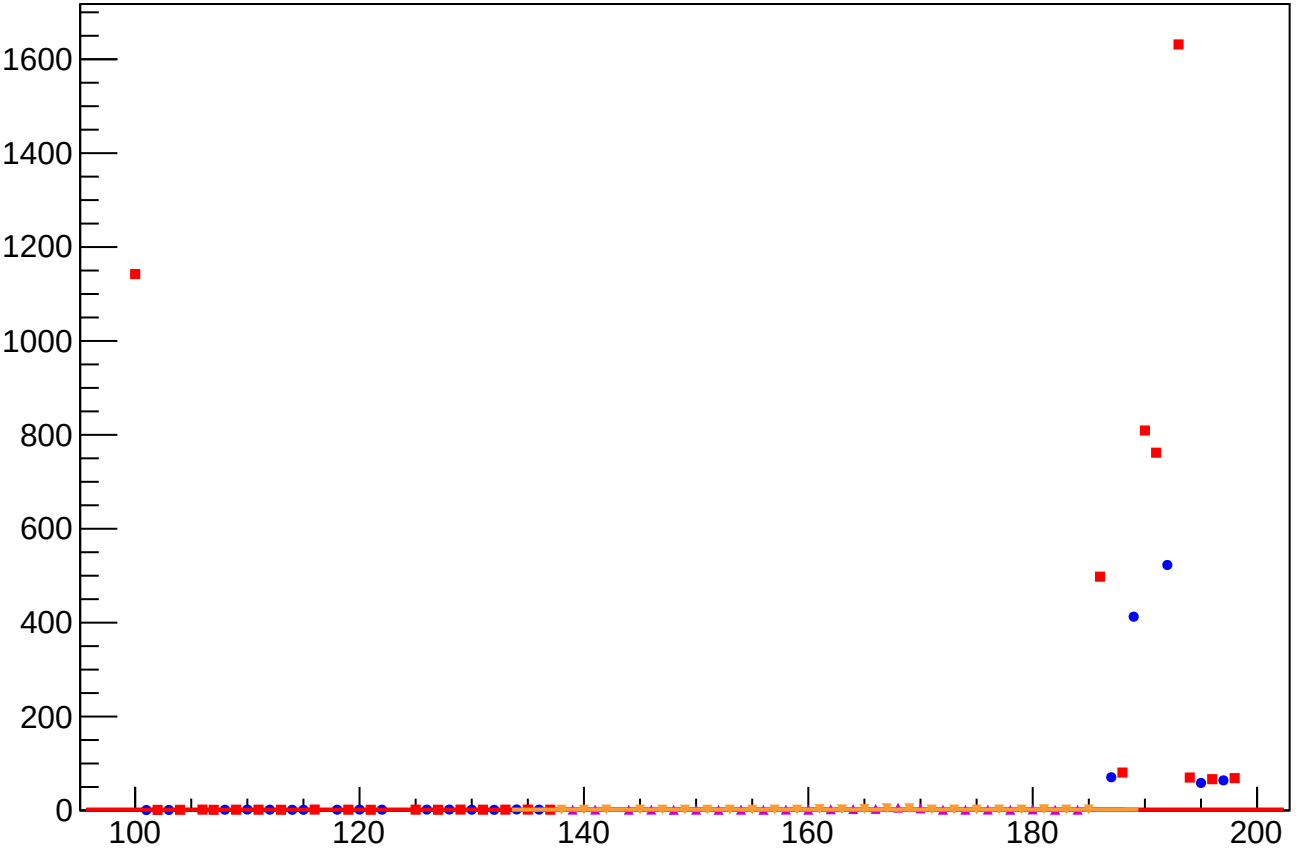
Right: 0.035+/-0.445 χ^2/NDF: 47.6/46

In: 0.105+/-0.381 χ^2/NDF:42.8/43

Out: -0.468+/-0.382 χ^2/NDF:60.0/49

All: -0.181+/-0.270 χ^2/NDF: 103.9/93

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.429+/-0.000 χ^2/NDF: 4802596.2/20

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

Right Out: 1.569+/-0.000 χ^2/NDF: 6060622.2/25

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

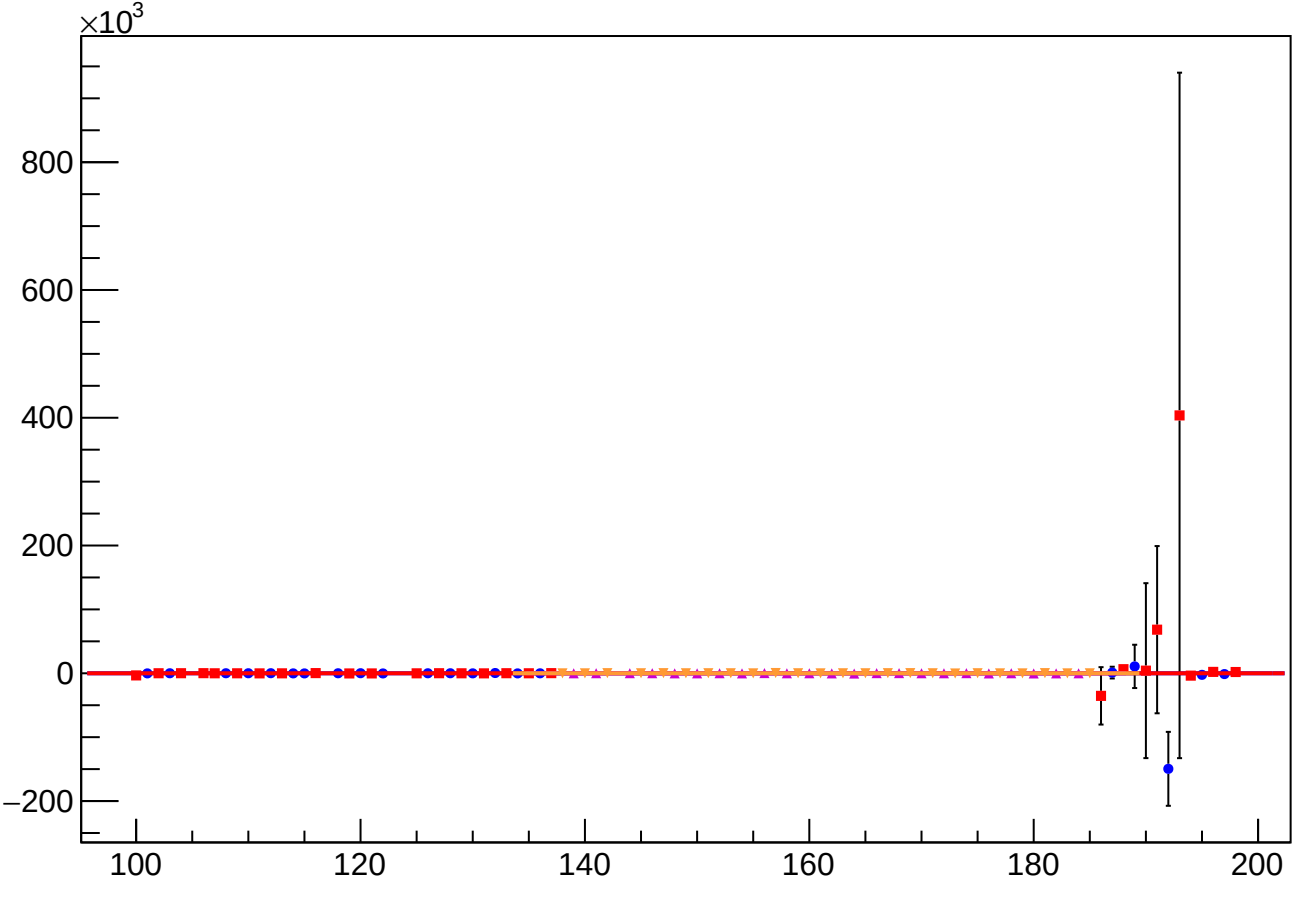
Left: 1.787+/-0.000 χ^2/NDF: 3525124.6/46

Right: 1.496+/-0.000 χ^2/NDF: 10912054.5/46

In: 1.660+/-0.000 χ^2/NDF:7176253.7/43

Out: 1.700+/-0.000 χ^2/NDF:7788593.3/49

All: 1.680+/-0.000 χ^2/NDF: 14975674.3/93



Right In: -0.767+/-36.778 χ^2/NDF: 23.9/20

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

Right Out: 1.704+/-36.762 χ^2/NDF: 16.9/25

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

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

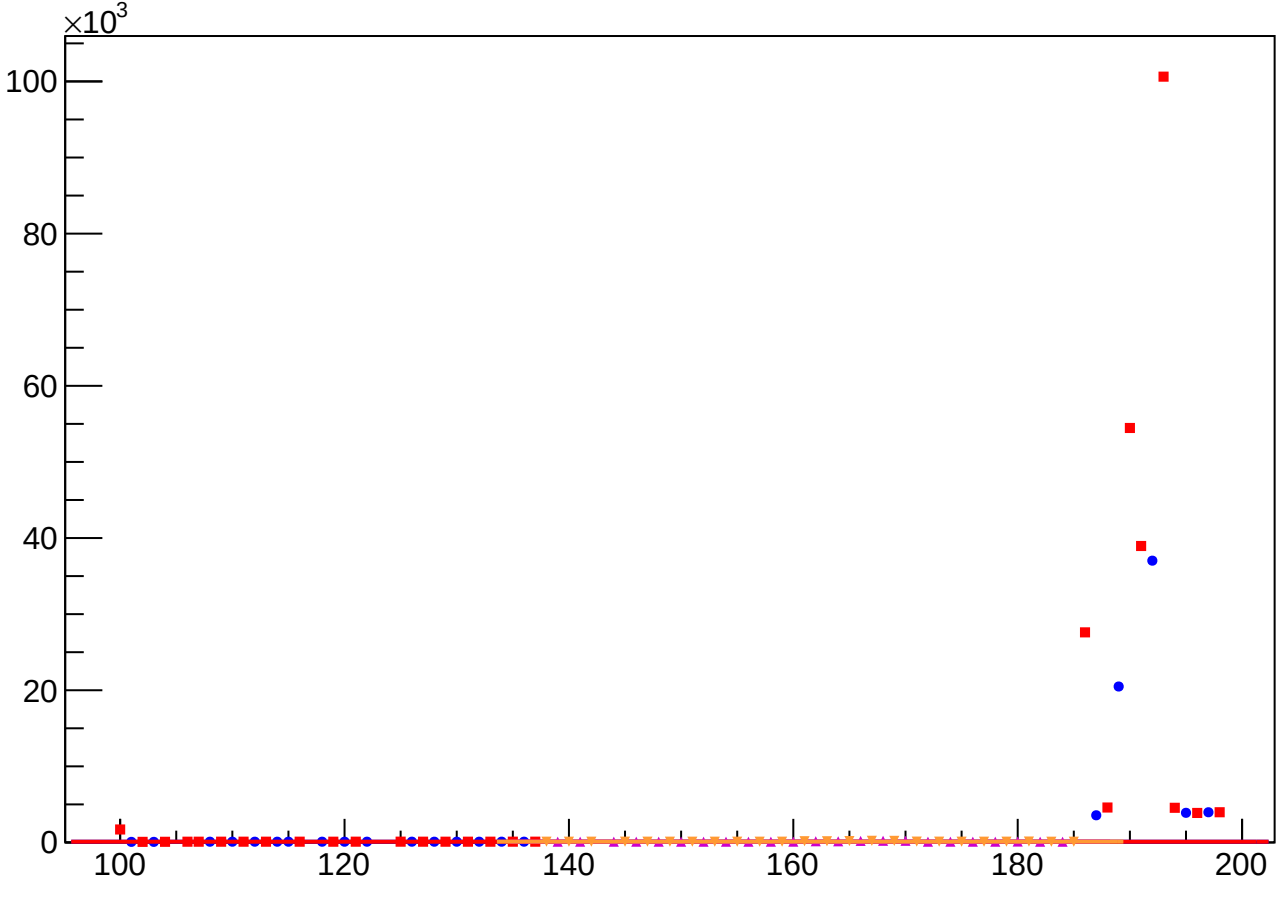
Right: 0.469+/-26.000 χ^2/NDF: 40.7/46

In: 16.465+/-21.421 χ^2/NDF:59.9/43

Out: 9.147+/-21.372 χ^2/NDF:52.7/49

All: 12.798+/-15.130 χ^2/NDF: 112.6/93

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.702+/-0.026 χ^2/NDF: 5028964.3/20

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

Right Out: 97.249+/-0.026 χ^2/NDF: 6767998.2/25

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

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

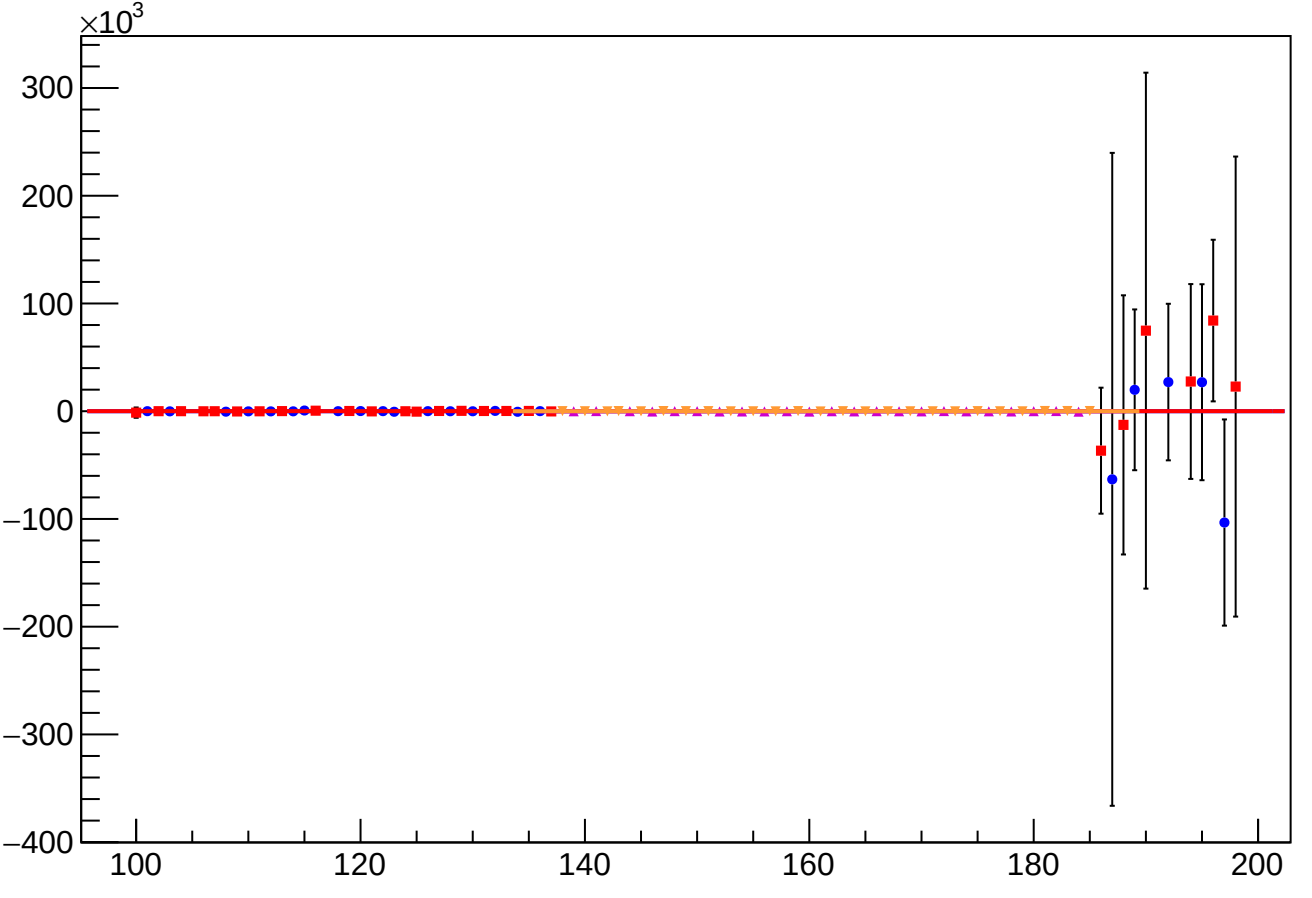
Right: 95.976+/-0.018 χ^2/NDF: 11801761.3/46

In: 103.293+/-0.015 χ^2/NDF:6686444.7/43

Out: 104.426+/-0.015 χ^2/NDF:8319504.7/49

All: 103.861+/-0.011 χ^2/NDF: 15008754.2/93

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.797+/-46.841 χ^2/NDF: 15.9/21

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

Right Out: 53.404+/-47.775 χ^2/NDF: 17.3/24

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

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

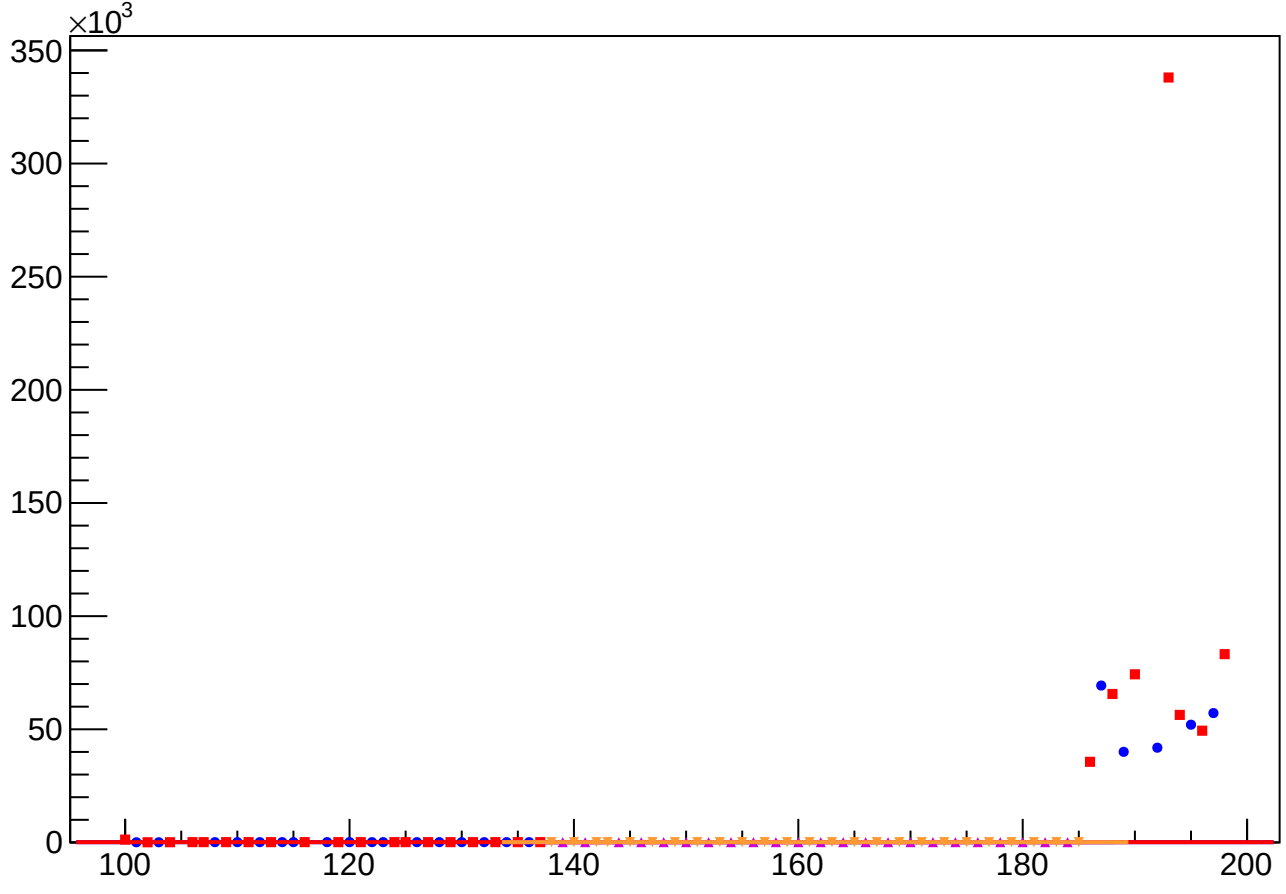
Right: 12.512+/-33.447 χ^2/NDF: 34.6/46

In: -52.581+/-26.947 χ^2/NDF:35.7/44

Out: 7.739+/-26.623 χ^2/NDF:30.6/49

All: -22.057+/-18.939 χ^2/NDF: 68.8/94

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.830+/-0.033 χ^2/NDF: 3646188.2/21

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

Right Out: 124.808+/-0.034 χ^2/NDF: 4475885.4/25

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

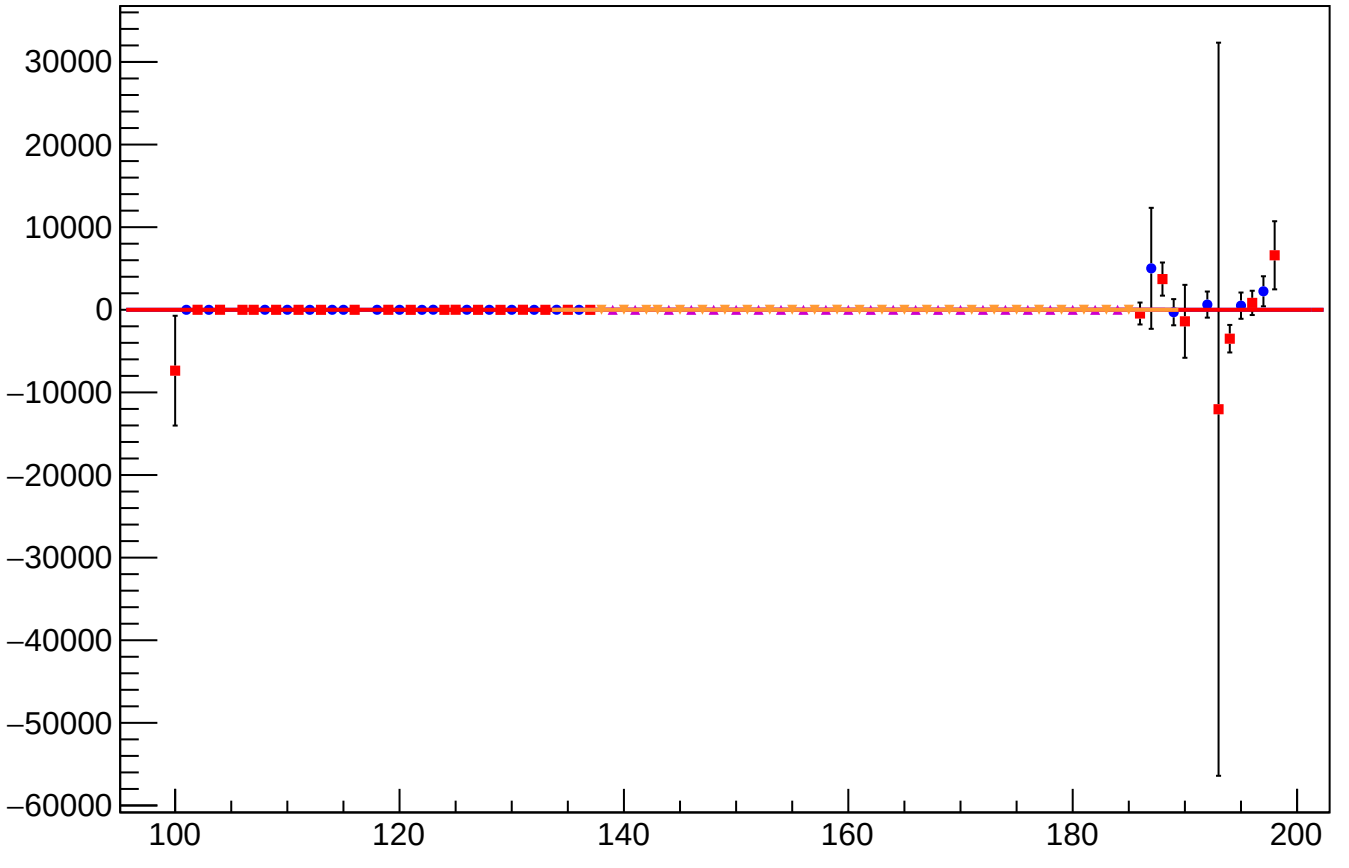
Left: 137.831+/-0.016 χ^2/NDF: 906.3/47

Right: 121.250+/-0.024 χ^2/NDF: 8143830.0/47

In: 131.194+/-0.019 χ^2/NDF:3889983.8/44

Out: 133.804+/-0.019 χ^2/NDF:4579196.0/50

All: 132.515+/-0.013 χ^2/NDF: 8478678.6/95



Right In: -0.718+/-0.810 χ^2/NDF: 14.5/21

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

Right Out: -0.638+/-0.852 χ^2/NDF: 25.7/25

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

Left: 0.391+/-0.407 χ^2/NDF: 49.7/47

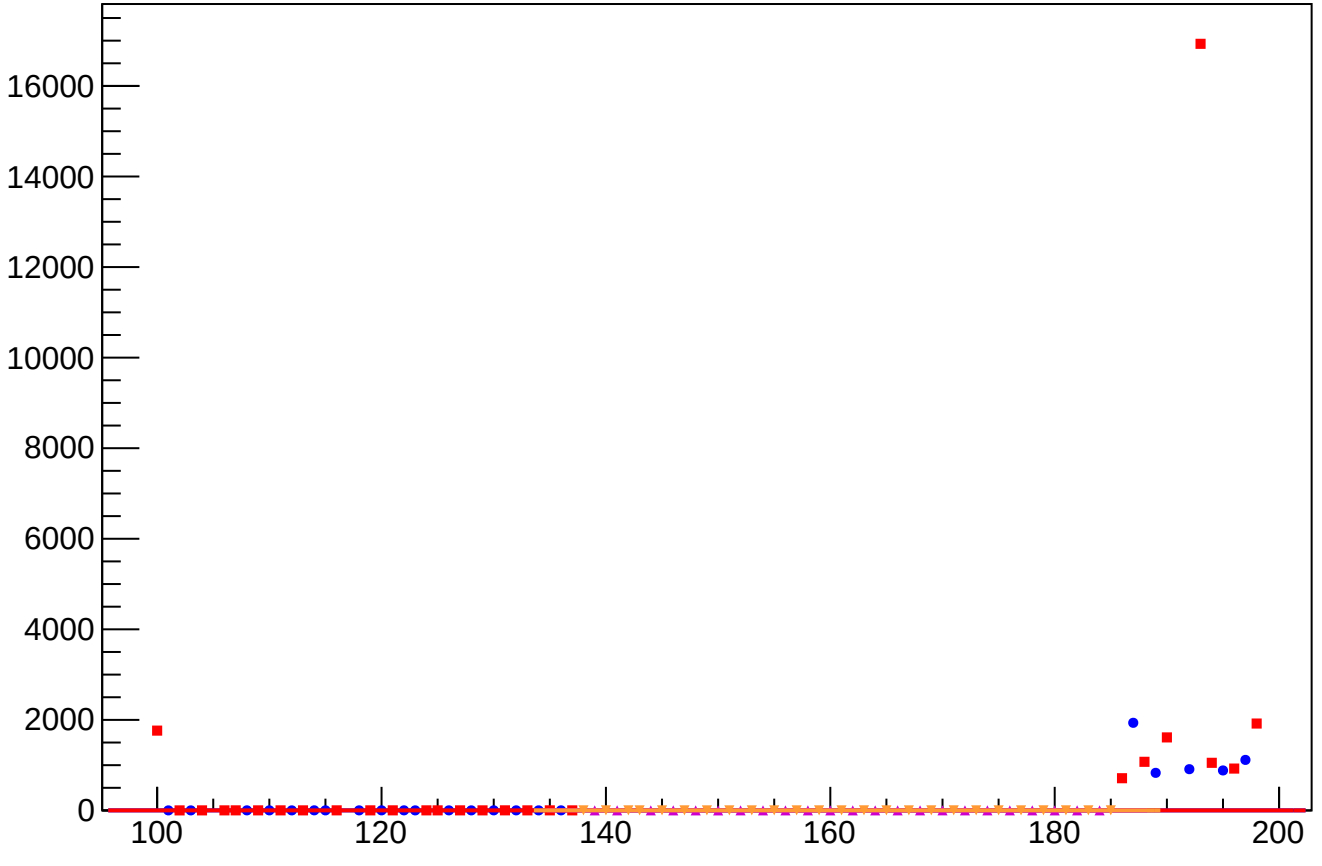
Right: -0.680+/-0.587 χ^2/NDF: 40.2/47

In: -0.051+/-0.471 χ^2/NDF:36.2/44

Out: 0.139+/-0.475 χ^2/NDF:55.9/50

All: 0.043+/-0.334 χ^2/NDF: 92.2/95

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.866+/-0.001 χ^2/NDF: 3202945.0/21

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

Right Out: 2.065+/-0.001 χ^2/NDF: 4245619.6/25

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

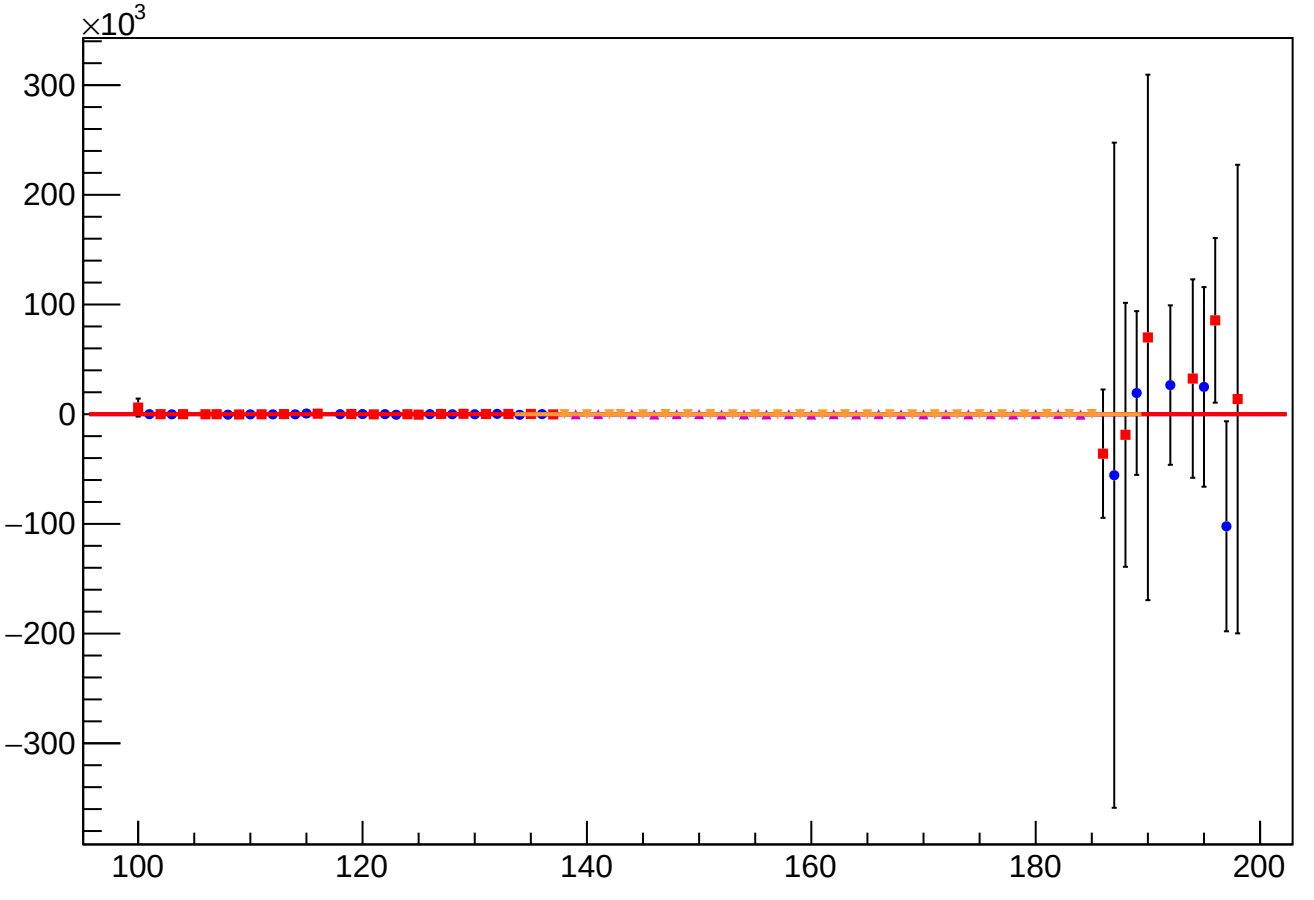
Left: 2.228+/-0.000 χ^2/NDF: 900243.0/47

Right: 1.960+/-0.000 χ^2/NDF: 7505600.2/47

In: 2.082+/-0.000 χ^2/NDF:3929152.7/44

Out: 2.201+/-0.000 χ^2/NDF:4694351.9/50

All: 2.141+/-0.000 χ^2/NDF: 8685990.5/95



Right In: -25.060+/-46.854 χ^2/NDF: 15.9/21

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

Right Out: 54.306+/-47.789 χ^2/NDF: 18.0/24

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

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

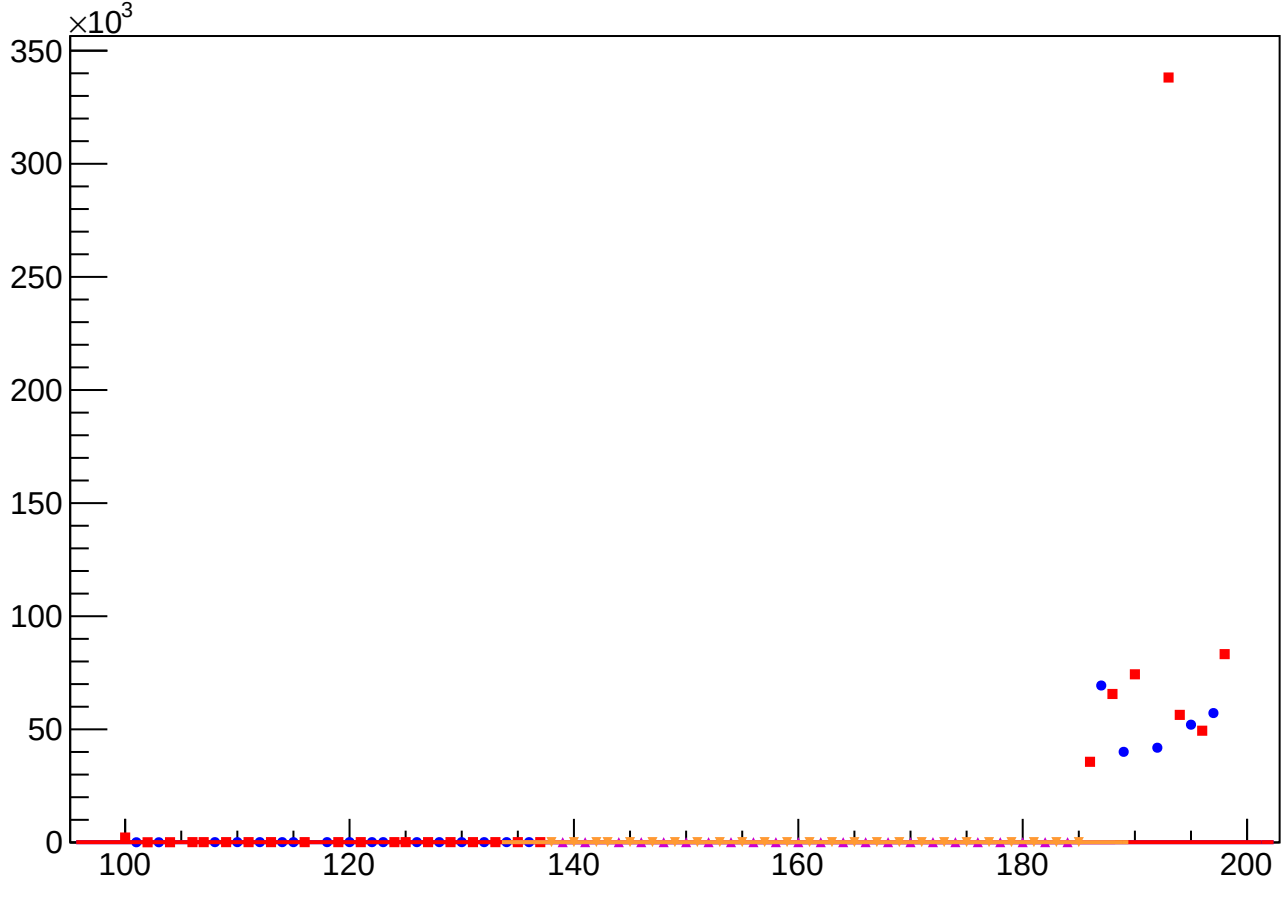
Right: 13.839+/-33.456 χ^2/NDF: 35.3/46

In: -51.937+/-26.954 χ^2/NDF:35.8/44

Out: 7.636+/-26.631 χ^2/NDF:31.2/49

All: -21.790+/-18.944 χ^2/NDF: 69.4/94

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.861+/-0.033 χ^2/NDF: 3646263.9/21

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

Right Out: 124.797+/-0.034 χ^2/NDF: 4486522.9/25

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

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

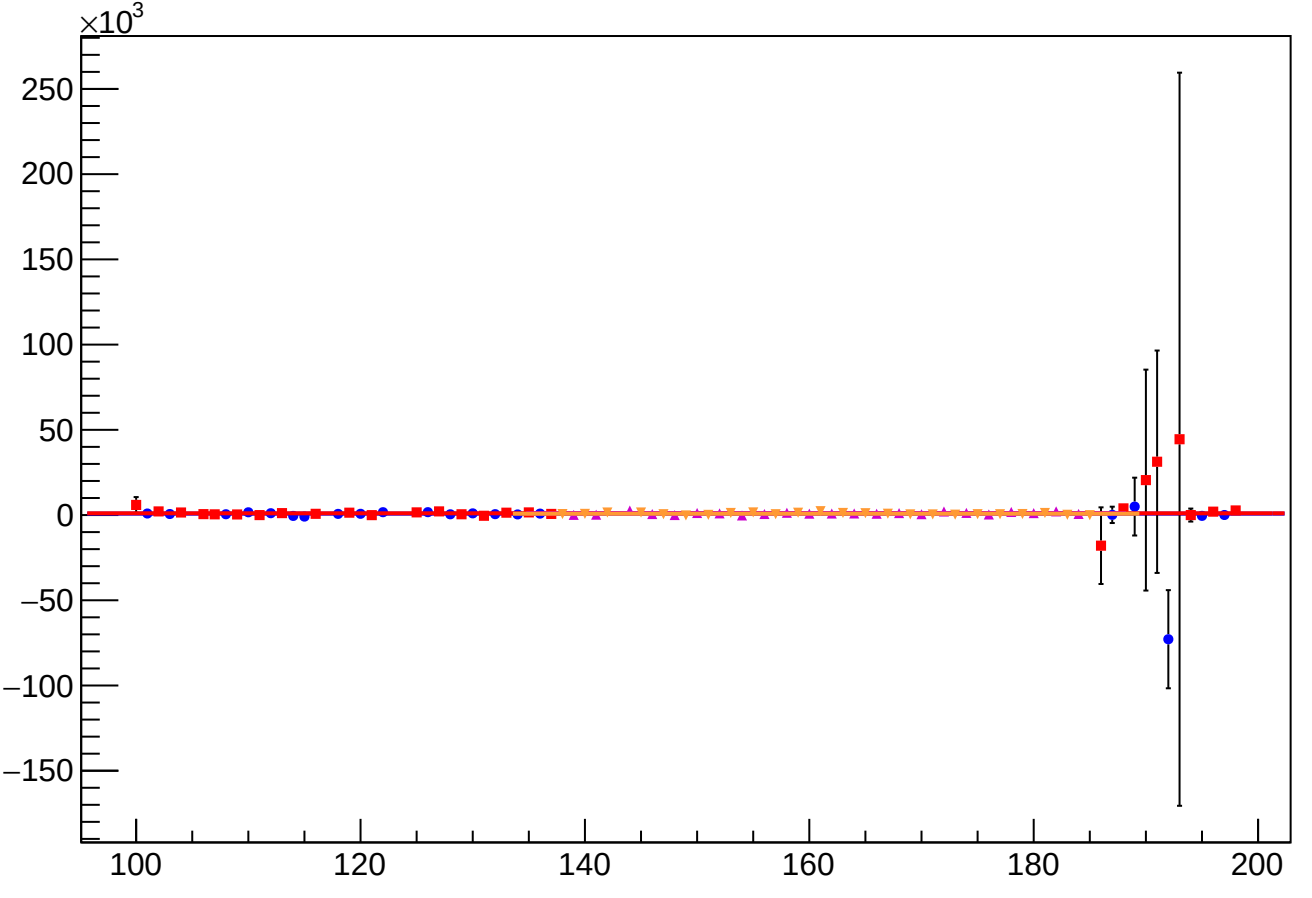
Right: 121.261+/-0.024 χ^2/NDF: 8154264.6/47

In: 131.230+/-0.019 χ^2/NDF:3890095.0/44

Out: 133.828+/-0.019 χ^2/NDF:4590555.3/50

All: 132.545+/-0.013 χ^2/NDF: 8490048.6/95

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 822.991+/-214.502 χ^2/NDF: 12.3/20

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

Right Out: 1032.331+/-210.494 χ^2/NDF: 17.0/25

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

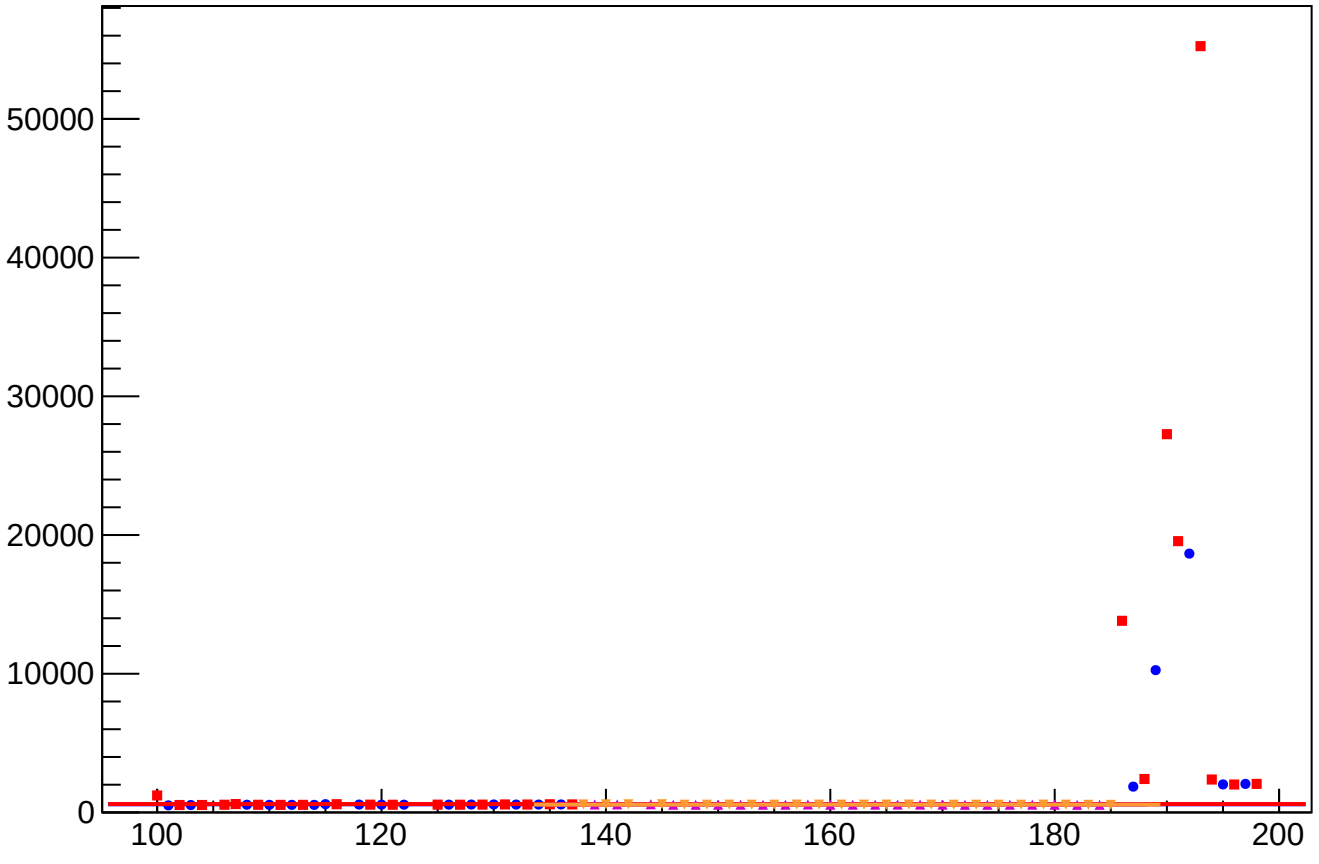
Left: 878.766+/-95.099 χ^2/NDF: 47.6/46

Right: 929.635+/-150.239 χ^2/NDF: 29.8/46

In: 931.475+/-114.214 χ^2/NDF:40.1/43

Out: 855.920+/-113.071 χ^2/NDF:37.2/49

All: 893.317+/-80.354 χ^2/NDF: 77.5/93



Right In: 588.221+/-0.152 χ^2/NDF: 3259056.7/20

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

Right Out: 605.138+/-0.149 χ^2/NDF: 4303794.3/25

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

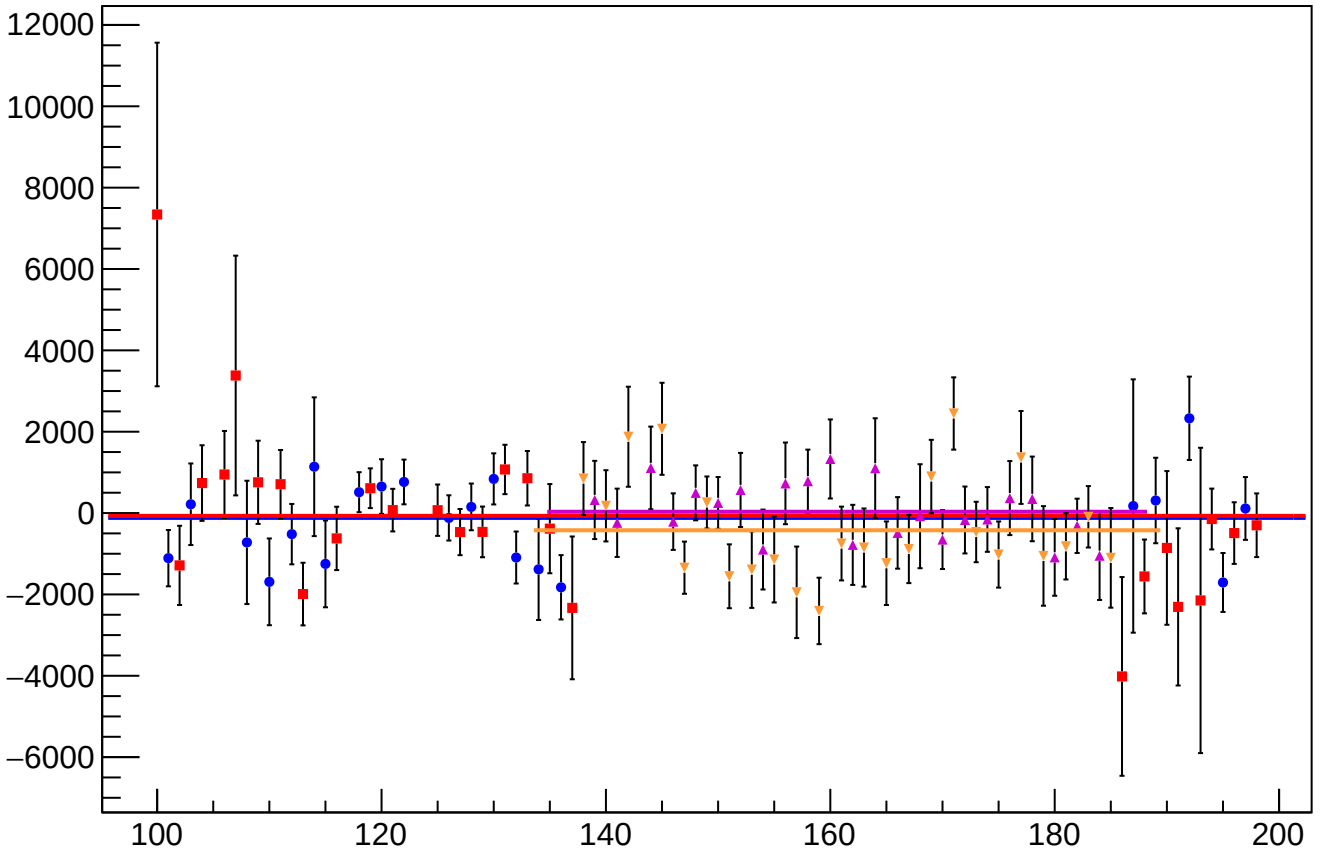
Left: 564.262+/-0.067 χ^2/NDF: 18806.8/46

Right: 596.839+/-0.106 χ^2/NDF: 7569188.8/46

In: 571.141+/-0.081 χ^2/NDF:3285963.2/43

Out: 575.972+/-0.080 χ^2/NDF:4367358.7/49

All: 573.581+/-0.057 χ^2/NDF: 7655129.2/93



Right In: -118.128+/-166.341 χ^2/NDF: 33.3/20

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

Right Out: -68.677+/-161.673 χ^2/NDF: 33.6/25

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

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

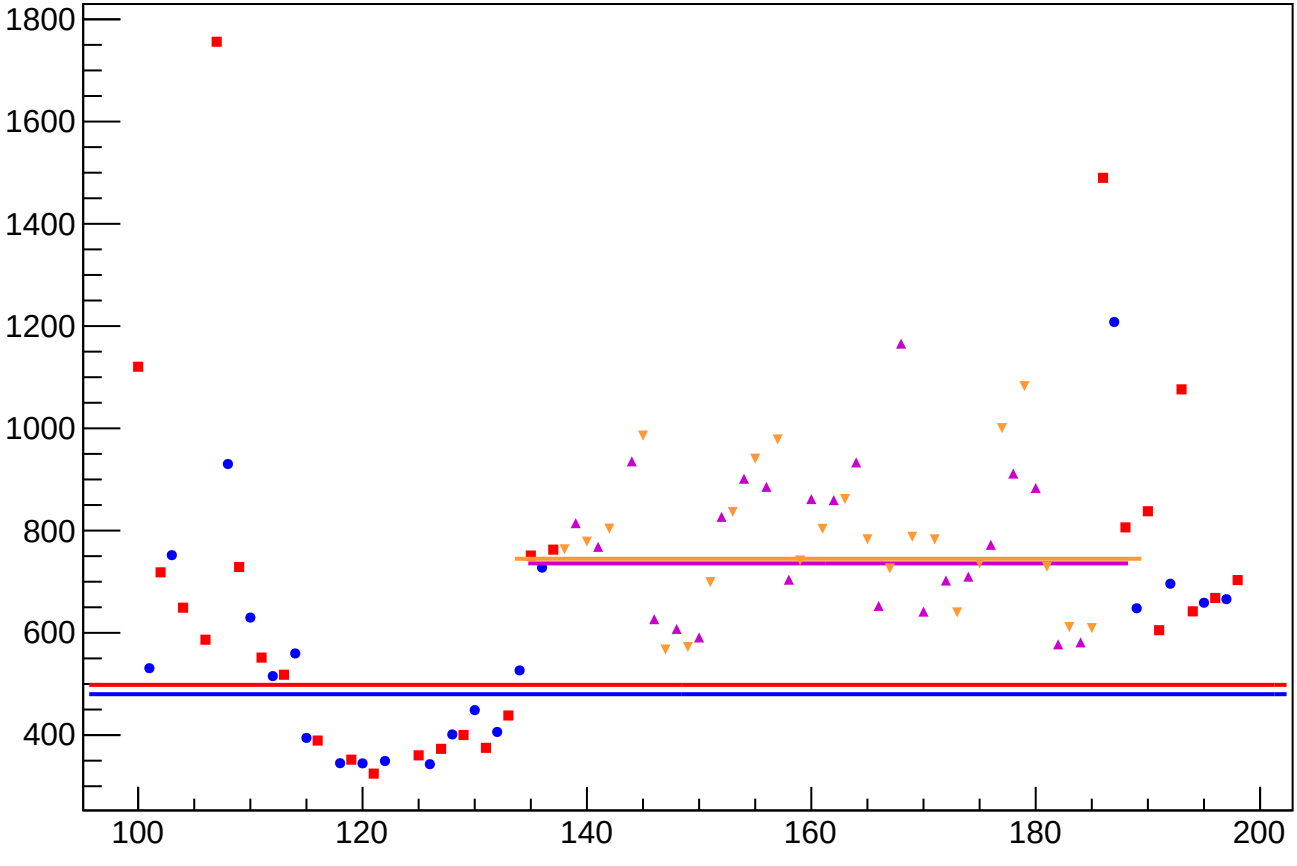
Right: -92.699+/-115.935 χ^2/NDF: 67.0/46

In: -48.549+/-121.986 χ^2/NDF:45.9/43

Out: -226.154+/-120.461 χ^2/NDF:78.9/49

All: -138.469+/-85.713 χ^2/NDF: 125.9/93

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 479.996+/-0.118 χ^2/NDF: 1616954.5/20

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

Right Out: 498.265+/-0.114 χ^2/NDF: 2608052.1/25

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

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

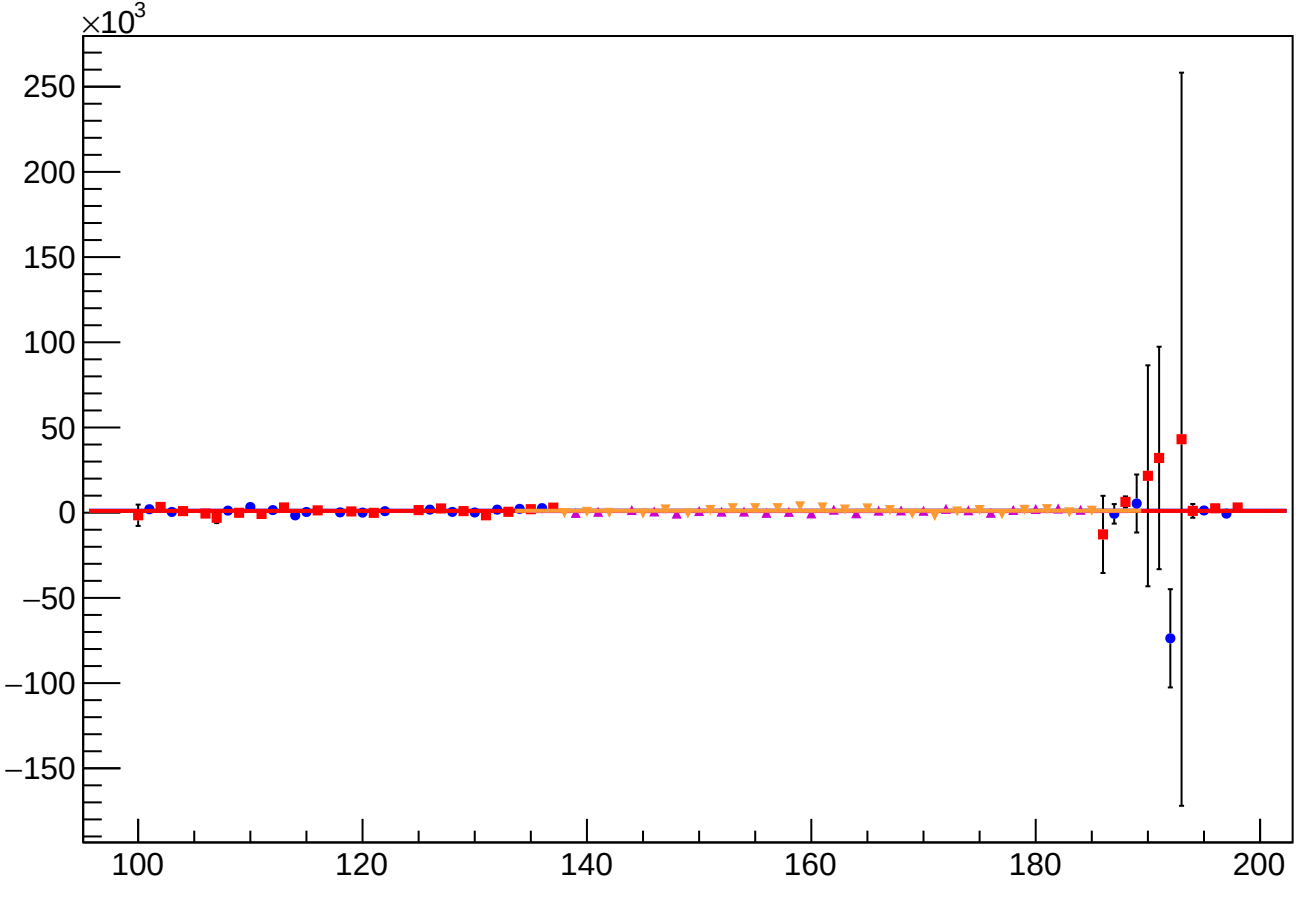
Right: 489.391+/-0.082 χ^2/NDF: 4237412.7/46

In: 598.252+/-0.086 χ^2/NDF:4909333.9/43

Out: 607.983+/-0.085 χ^2/NDF:5687531.8/49

All: 603.179+/-0.061 χ^2/NDF: 10603310.1/93

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1163.111+/-291.301 χ^2/NDF: 19.1/20

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

Right Out: 1039.284+/-287.998 χ^2/NDF: 27.8/25

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

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

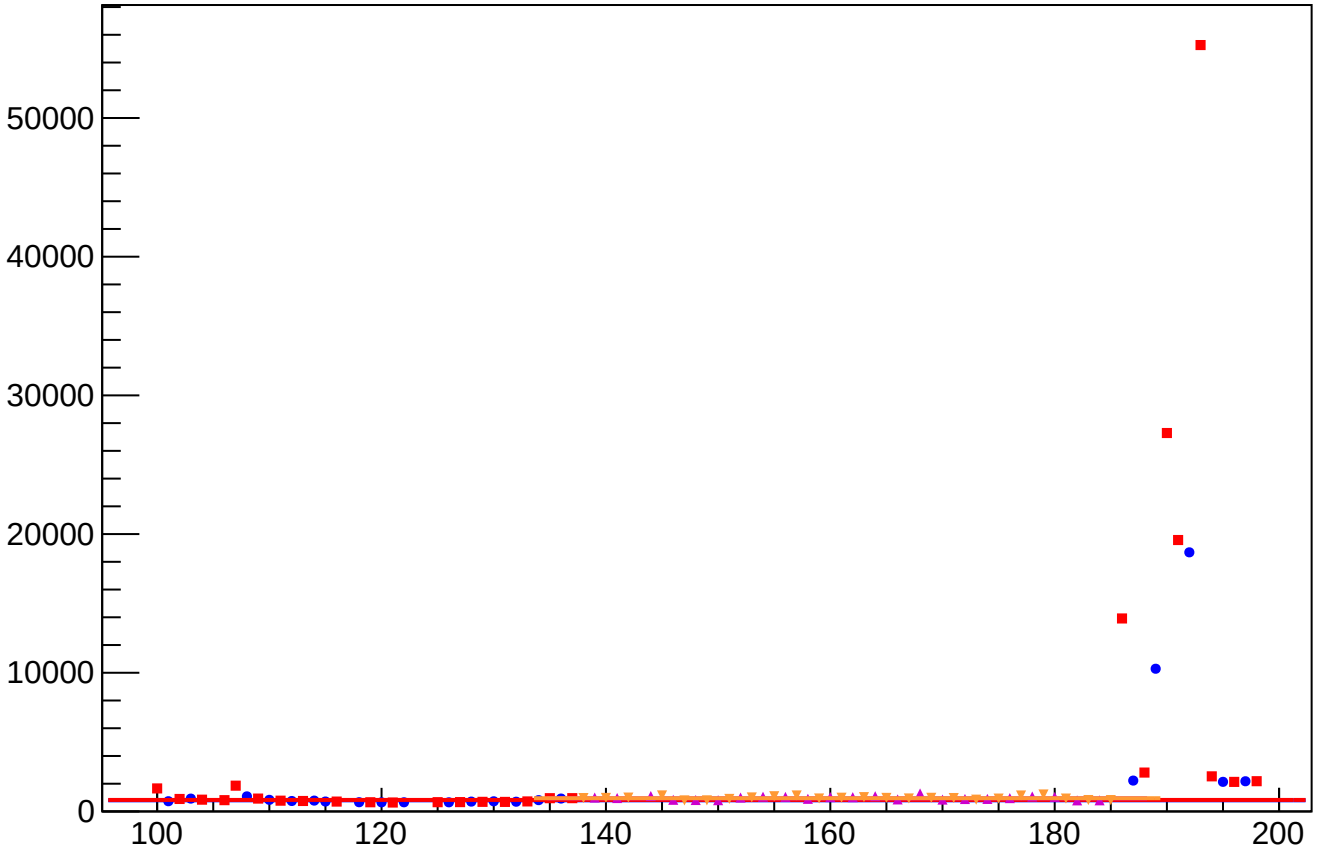
Right: 1100.491+/-204.803 χ^2/NDF: 47.0/46

In: 1025.960+/-179.702 χ^2/NDF:34.3/43

Out: 1099.757+/-179.163 χ^2/NDF:66.7/49

All: 1062.970+/-126.877 χ^2/NDF: 101.1/93

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 803.104+/-0.206 χ^2/NDF: 3080465.9/20

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

Right Out: 830.601+/-0.204 χ^2/NDF: 4244756.1/25

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

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

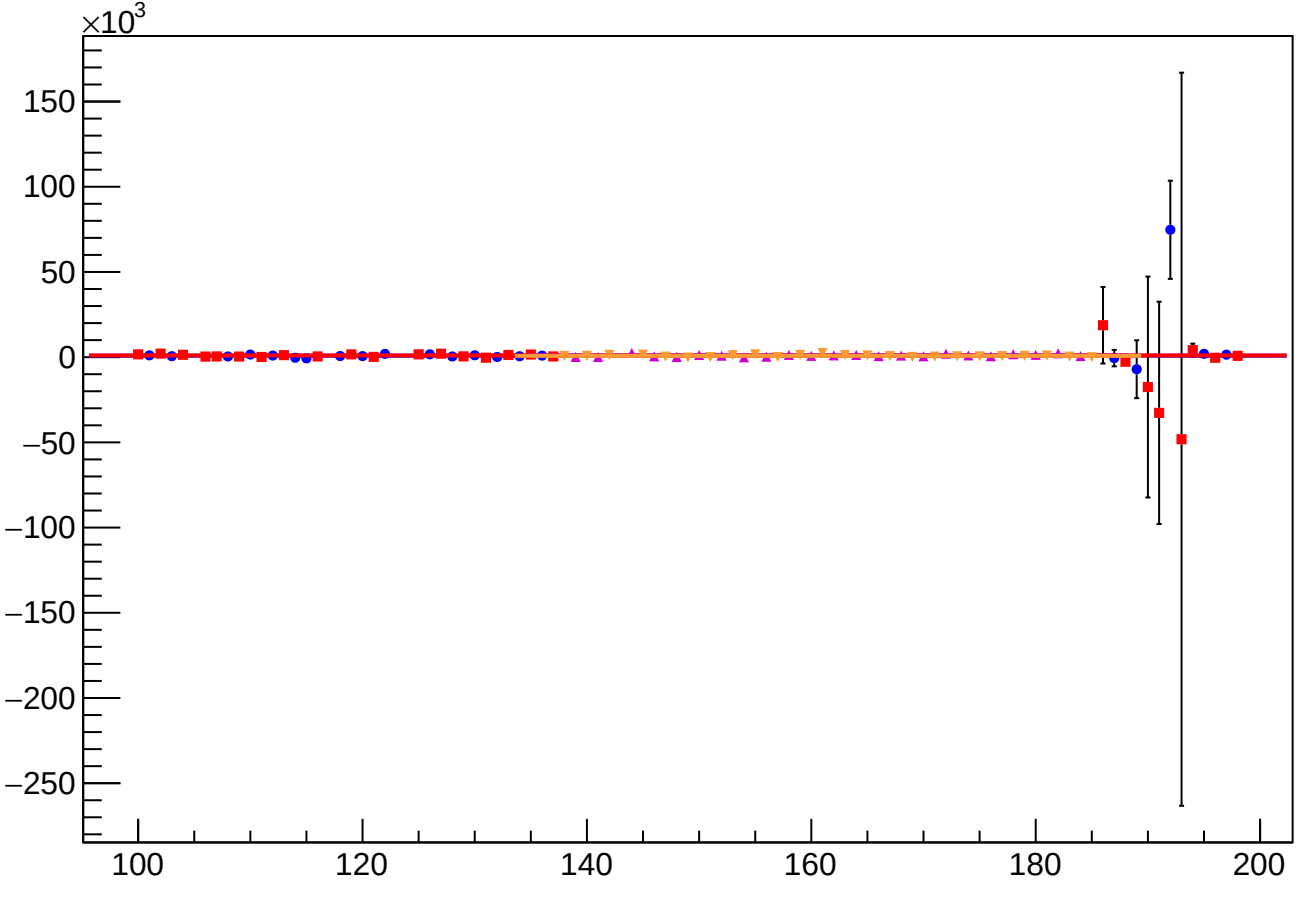
Right: 817.009+/-0.145 χ^2/NDF: 7334233.7/46

In: 891.975+/-0.127 χ^2/NDF:3882344.2/43

Out: 906.448+/-0.127 χ^2/NDF:4931198.1/49

All: 899.233+/-0.090 χ^2/NDF: 8820048.7/93

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 861.000+/-214.347 χ^2/NDF: 13.3/20

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

Right Out: 1000.150+/-205.658 χ^2/NDF: 16.1/25

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

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

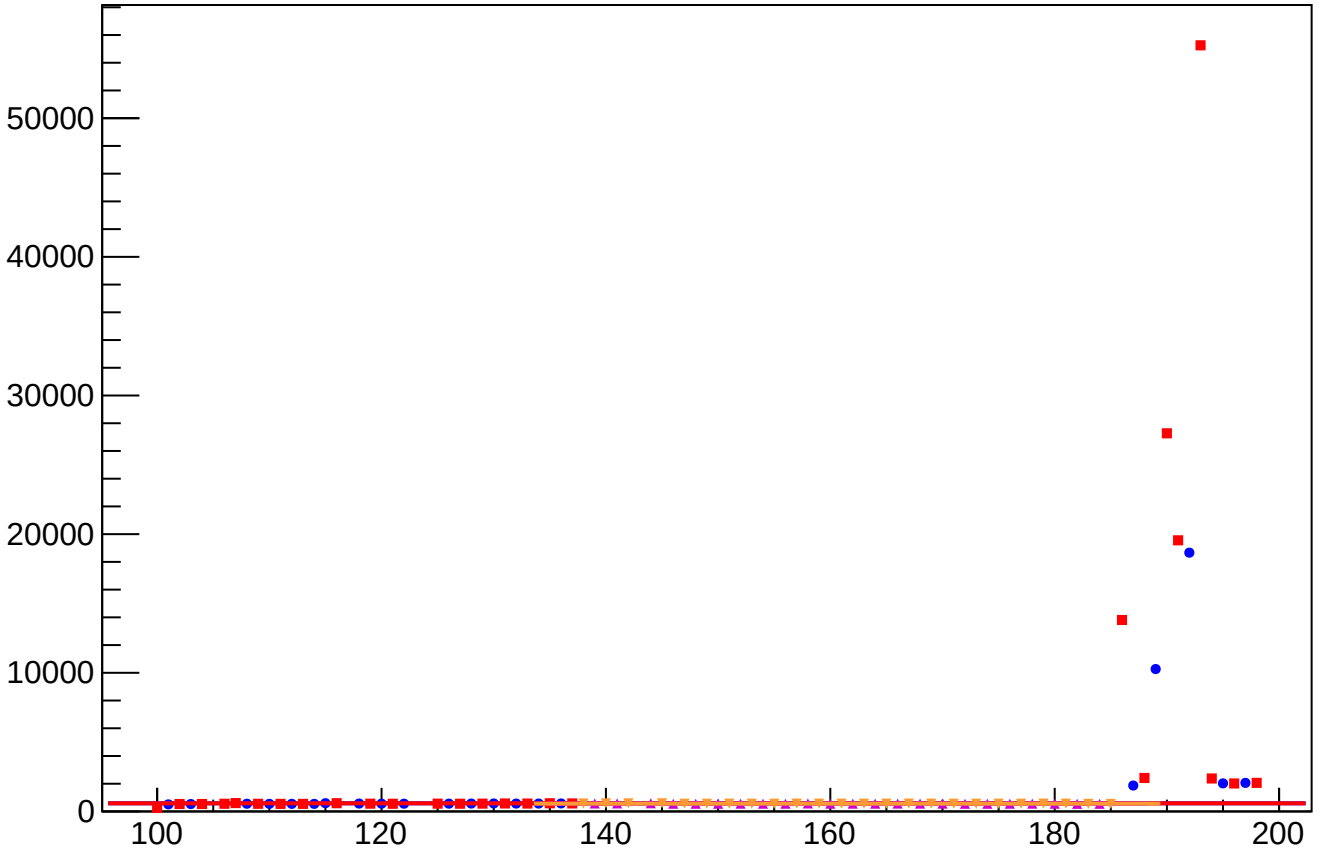
Right: 933.452+/-148.399 χ^2/NDF: 29.6/46

In: 930.872+/-114.125 χ^2/NDF:40.3/43

Out: 829.870+/-112.237 χ^2/NDF:38.1/49

All: 879.529+/-80.023 χ^2/NDF: 78.8/93

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 587.714+/-0.152 χ^2/NDF: 3263743.4/20

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

Right Out: 587.264+/-0.145 χ^2/NDF: 4526155.0/25

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

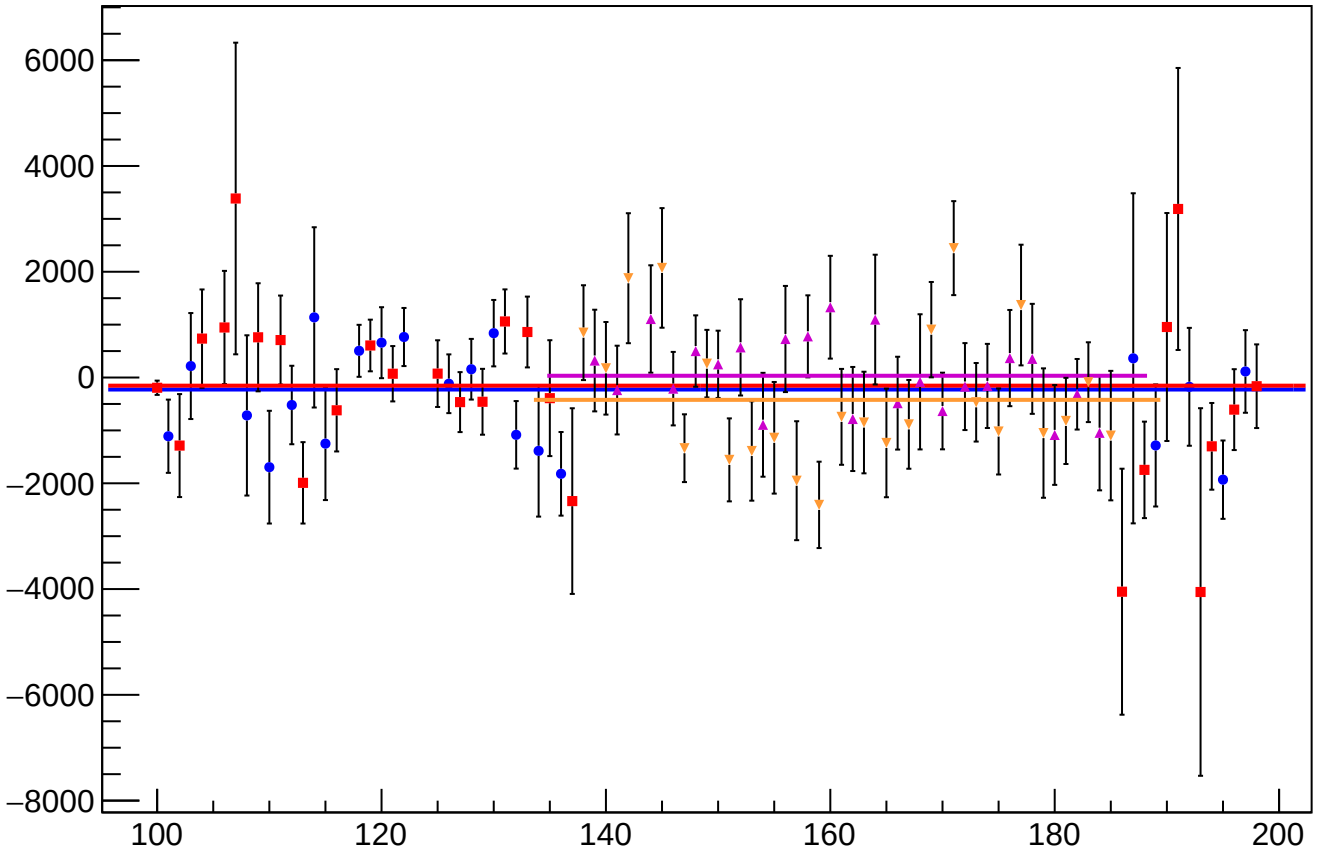
Left: 563.803+/-0.067 χ^2/NDF: 18751.3/46

Right: 587.480+/-0.105 χ^2/NDF: 7789902.9/46

In: 570.675+/-0.081 χ^2/NDF:3290585.7/43

Out: 570.700+/-0.079 χ^2/NDF:4554174.1/49

All: 570.688+/-0.057 χ^2/NDF: 7844759.8/93



Right In: -226.956+/-167.258 χ^2/NDF: 29.2/20

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

Right Out: -154.011+/-103.924 χ^2/NDF: 35.2/25

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

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

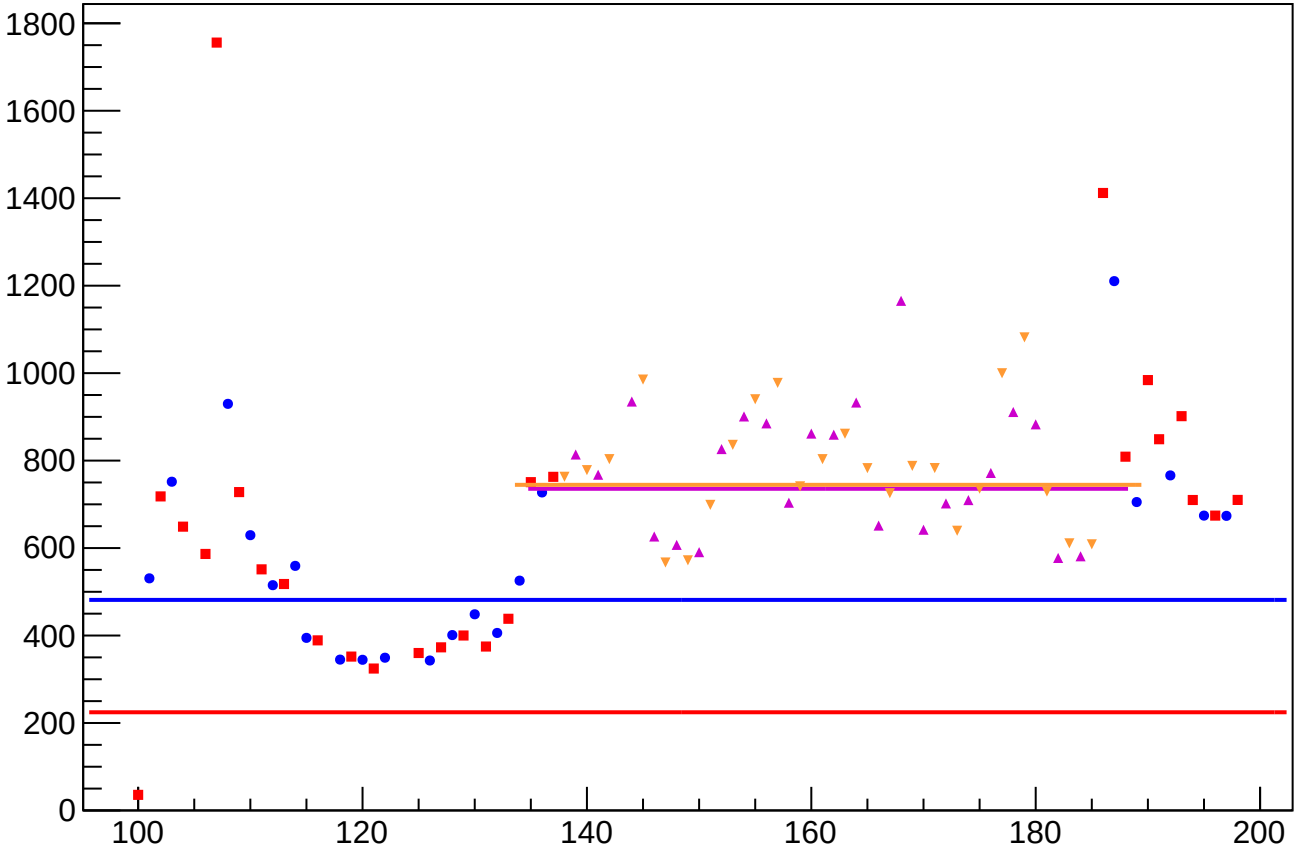
Right: -174.328+/-88.272 χ^2/NDF: 64.6/46

In: -105.888+/-122.323 χ^2/NDF:42.5/43

Out: -220.794+/-90.067 χ^2/NDF:80.1/49

All: -180.398+/-72.527 χ^2/NDF: 123.2/93

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 481.466+/-0.118 χ^2/NDF: 1708448.1/20

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

Right Out: 224.512+/-0.073 χ^2/NDF: 12279935.2/25

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

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

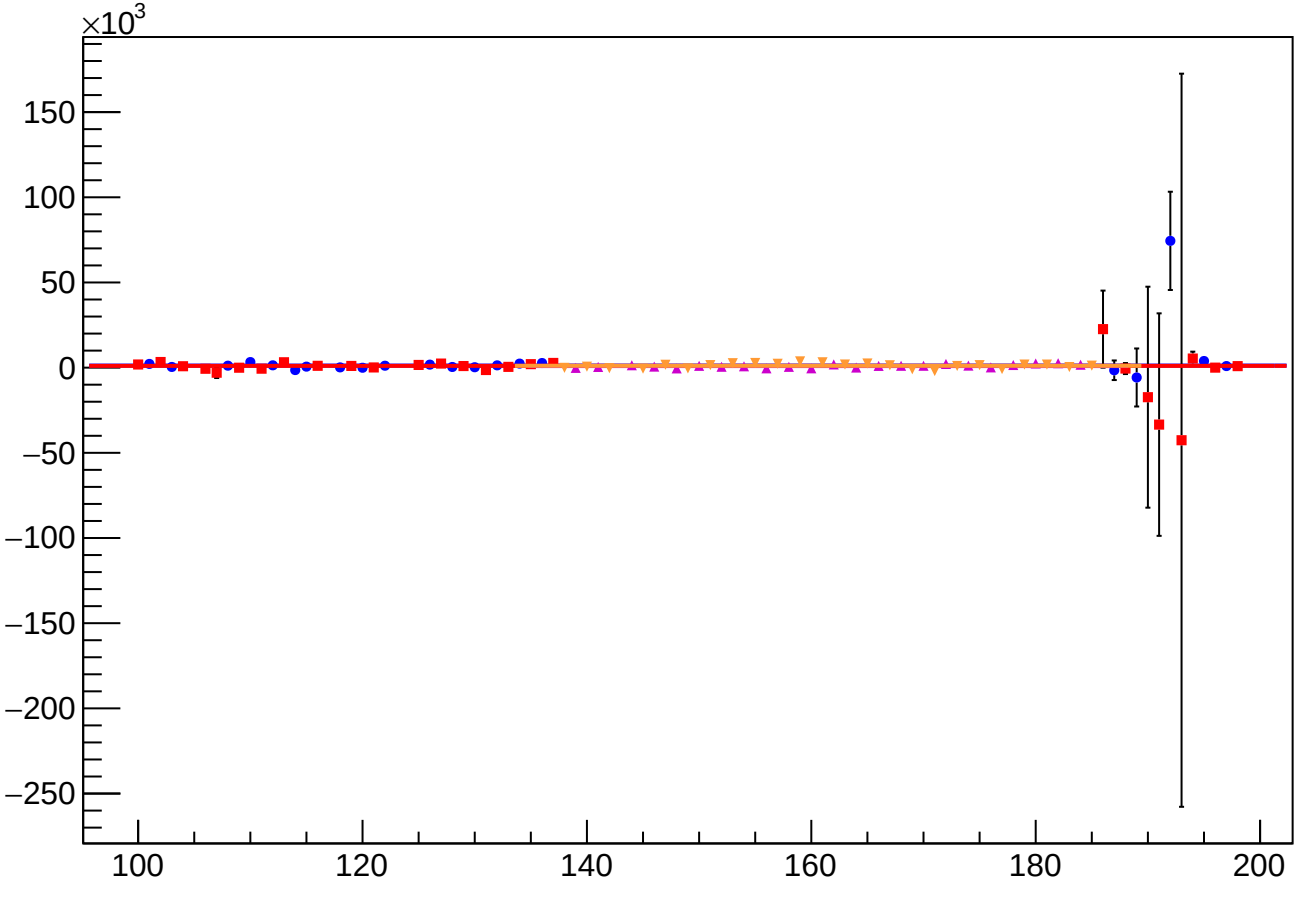
Right: 296.082+/-0.062 χ^2/NDF: 17393904.0/46

In: 599.648+/-0.086 χ^2/NDF:4960362.6/43

Out: 353.961+/-0.064 χ^2/NDF:25756809.7/49

All: 440.333+/-0.051 χ^2/NDF: 35949032.5/93

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1223.948+/-291.141 χ^2/NDF: 19.8/20

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

Right Out: 1042.678+/-276.195 χ^2/NDF: 25.3/25

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

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

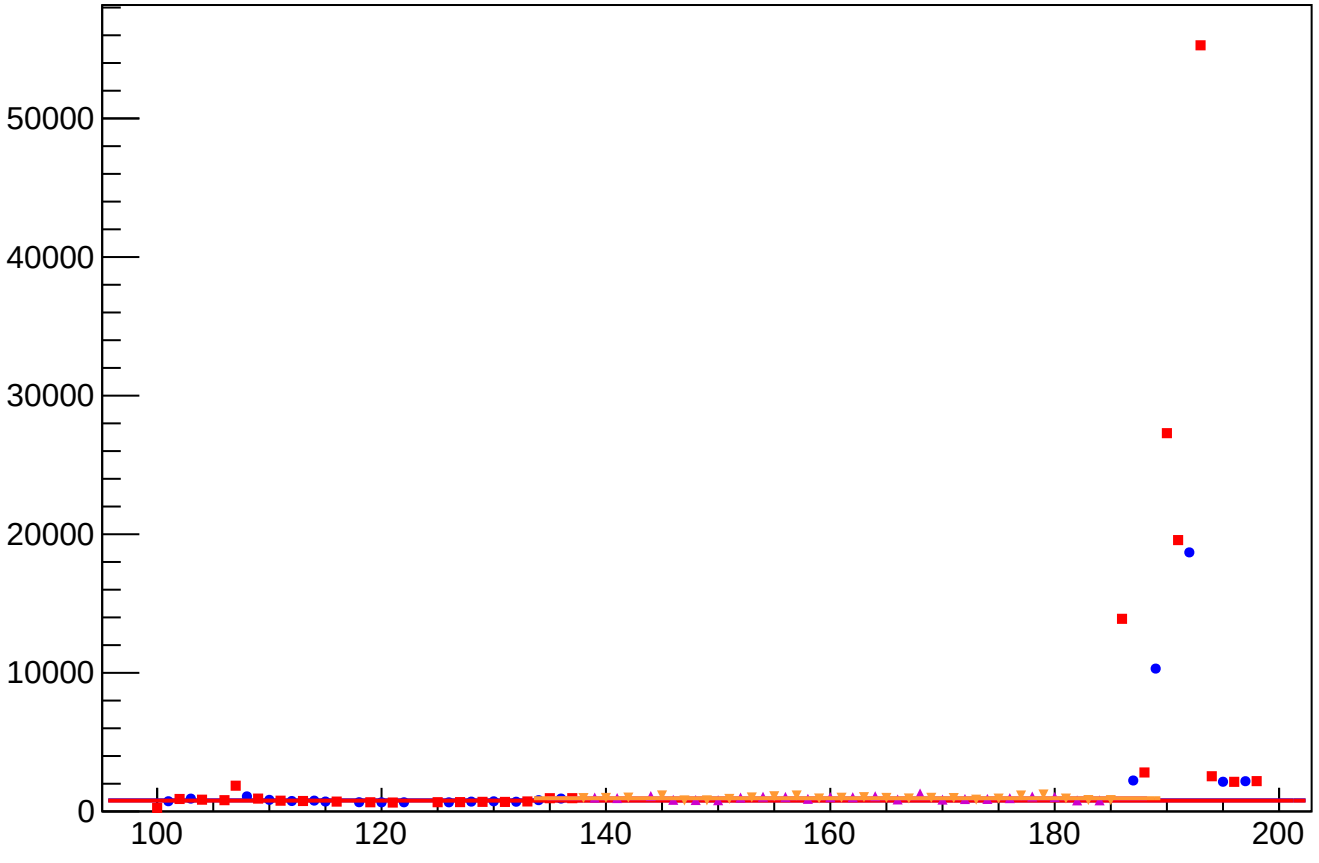
Right: 1128.541+/-200.375 χ^2/NDF: 45.3/46

In: 1039.559+/-179.602 χ^2/NDF:35.6/43

Out: 1079.736+/-176.150 χ^2/NDF:63.6/49

All: 1060.037+/-125.760 χ^2/NDF: 99.2/93

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 802.477+/-0.206 χ^2/NDF: 3087784.7/20

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

Right Out: 781.776+/-0.195 χ^2/NDF: 4858150.4/25

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

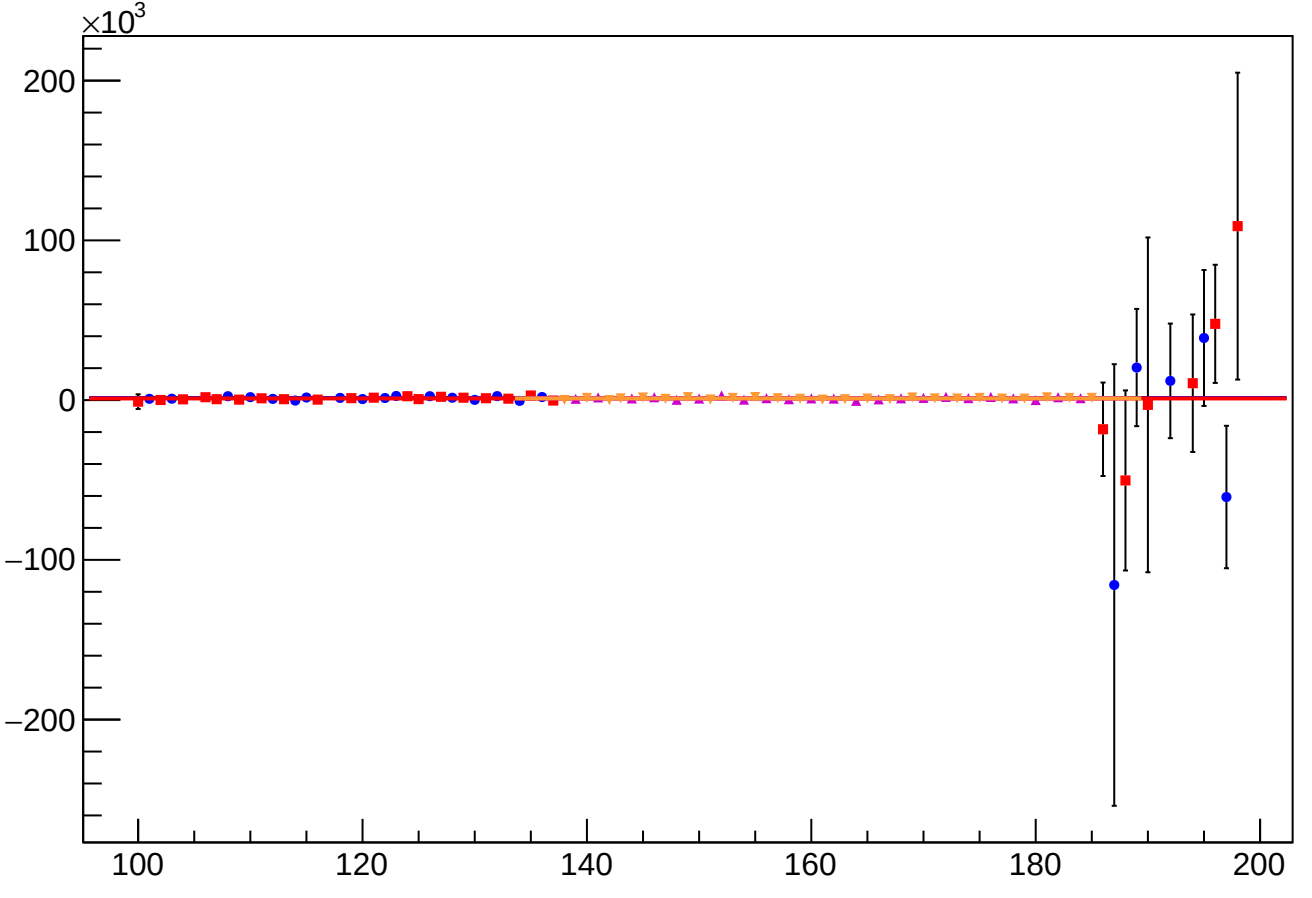
Left: 949.902+/-0.114 χ^2/NDF: 962801.6/46

Right: 791.581+/-0.142 χ^2/NDF: 7951257.1/46

In: 891.407+/-0.127 χ^2/NDF:3890471.7/43

Out: 883.817+/-0.125 χ^2/NDF:5778528.8/49

All: 887.538+/-0.089 χ^2/NDF: 9670821.2/93



Right In: 1324.334+/-218.586 χ^2/NDF: 16.6/21

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

Right Out: 1041.036+/-212.065 χ^2/NDF: 17.7/24

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

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

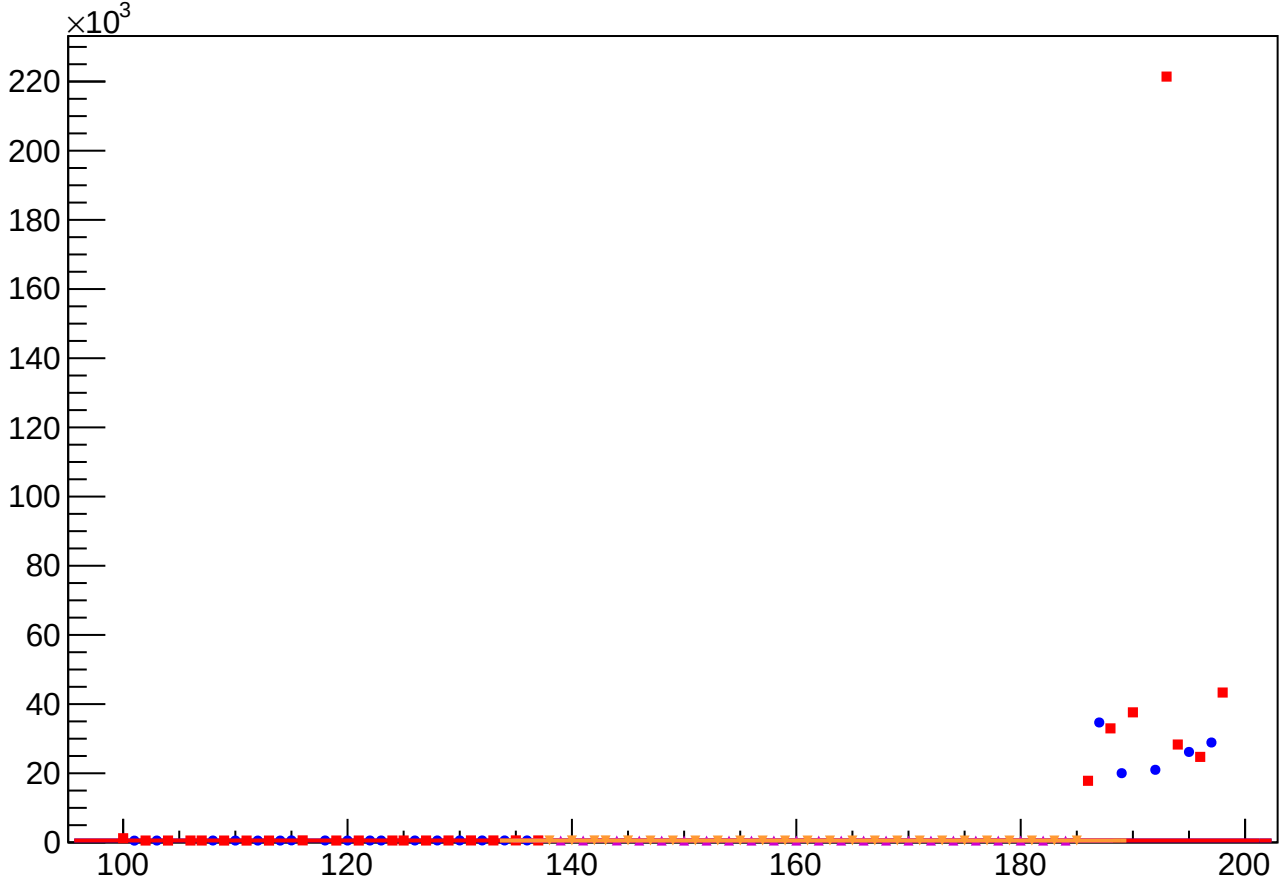
Right: 1178.397+/-152.206 χ^2/NDF: 35.1/46

In: 1178.120+/-113.722 χ^2/NDF:47.2/44

Out: 1064.755+/-110.640 χ^2/NDF:32.8/49

All: 1119.881+/-79.302 χ^2/NDF: 80.5/94

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 566.433+/-0.155 χ^2/NDF: 2899931.6/21

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

Right Out: 568.579+/-0.150 χ^2/NDF: 3923369.2/25

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

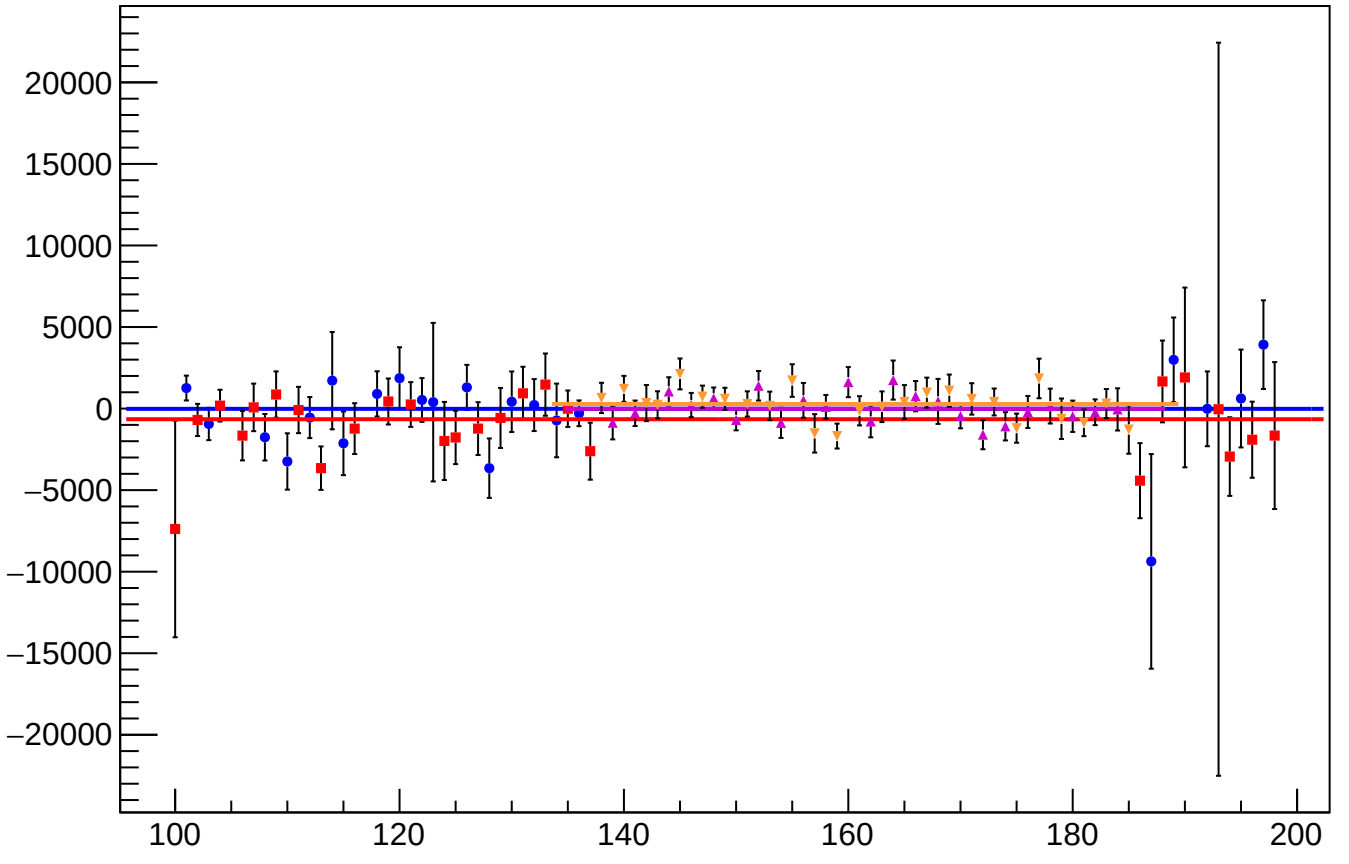
Left: 557.259+/-0.066 χ^2/NDF: 25980.9/47

Right: 567.538+/-0.108 χ^2/NDF: 6823400.1/47

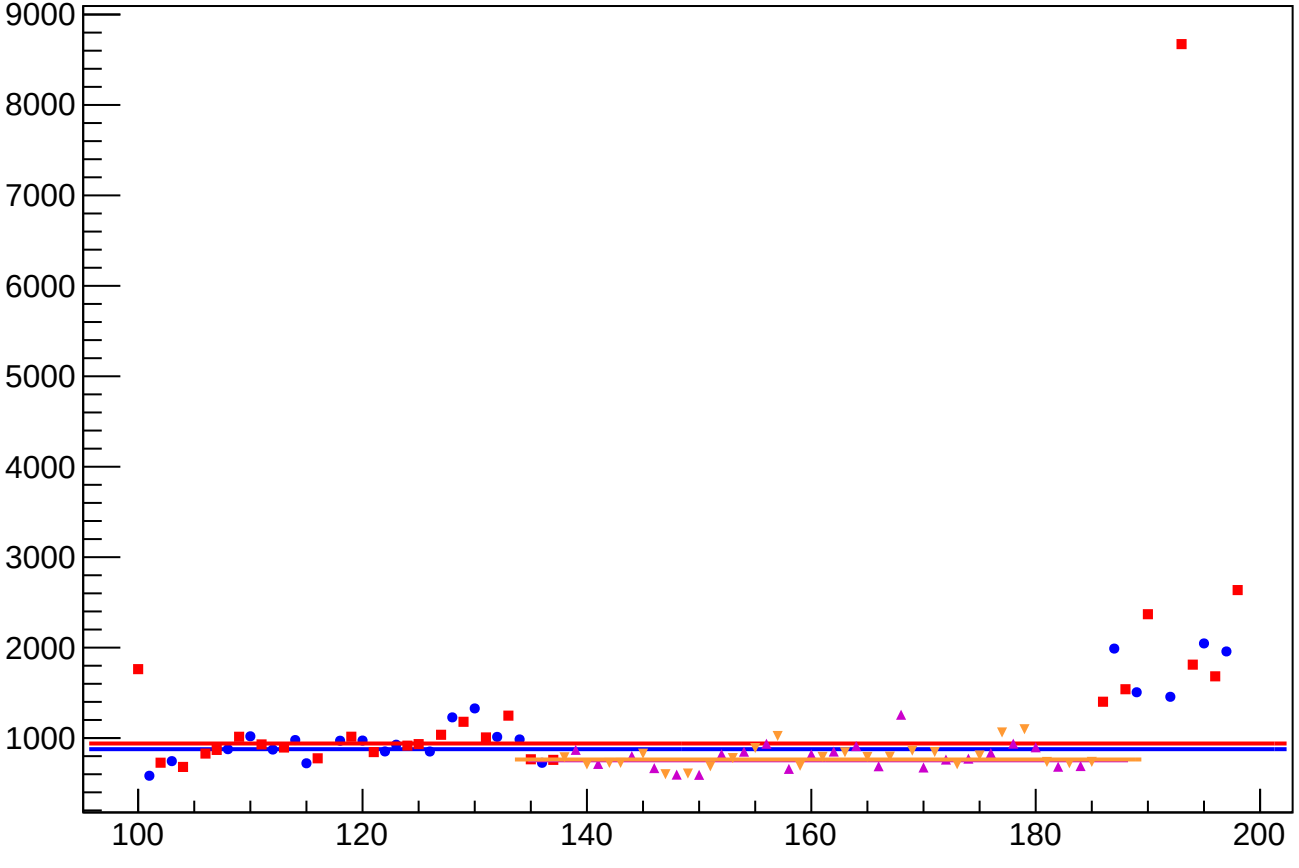
In: 559.531+/-0.080 χ^2/NDF:2913875.5/44

Out: 560.541+/-0.078 χ^2/NDF:3942070.3/50

All: 560.049+/-0.056 χ^2/NDF: 6856026.8/95


asym_right_avg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -15.180+/-318.013 χ²/NDF: 22.6/21
Left Out: 281.875+/-180.423 χ²/NDF:26.7/24
Right Out: -652.836+/-319.328 χ²/NDF: 19.6/25
Left In: -8.211+/-183.382 χ²/NDF:20.2/22
Left: 139.190+/-128.612 χ²/NDF: 48.2/47
Right: -332.692+/-225.332 χ²/NDF: 44.3/47
In: -9.950+/-158.861 χ²/NDF:42.8/44
Out: 55.688+/-157.084 χ²/NDF:52.9/50
All: 23.238+/-111.698 χ²/NDF: 95.7/95

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 877.131+/-0.225 χ^2/NDF: 1584197.4/21

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

Right Out: 939.839+/-0.226 χ^2/NDF: 1809099.8/25

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

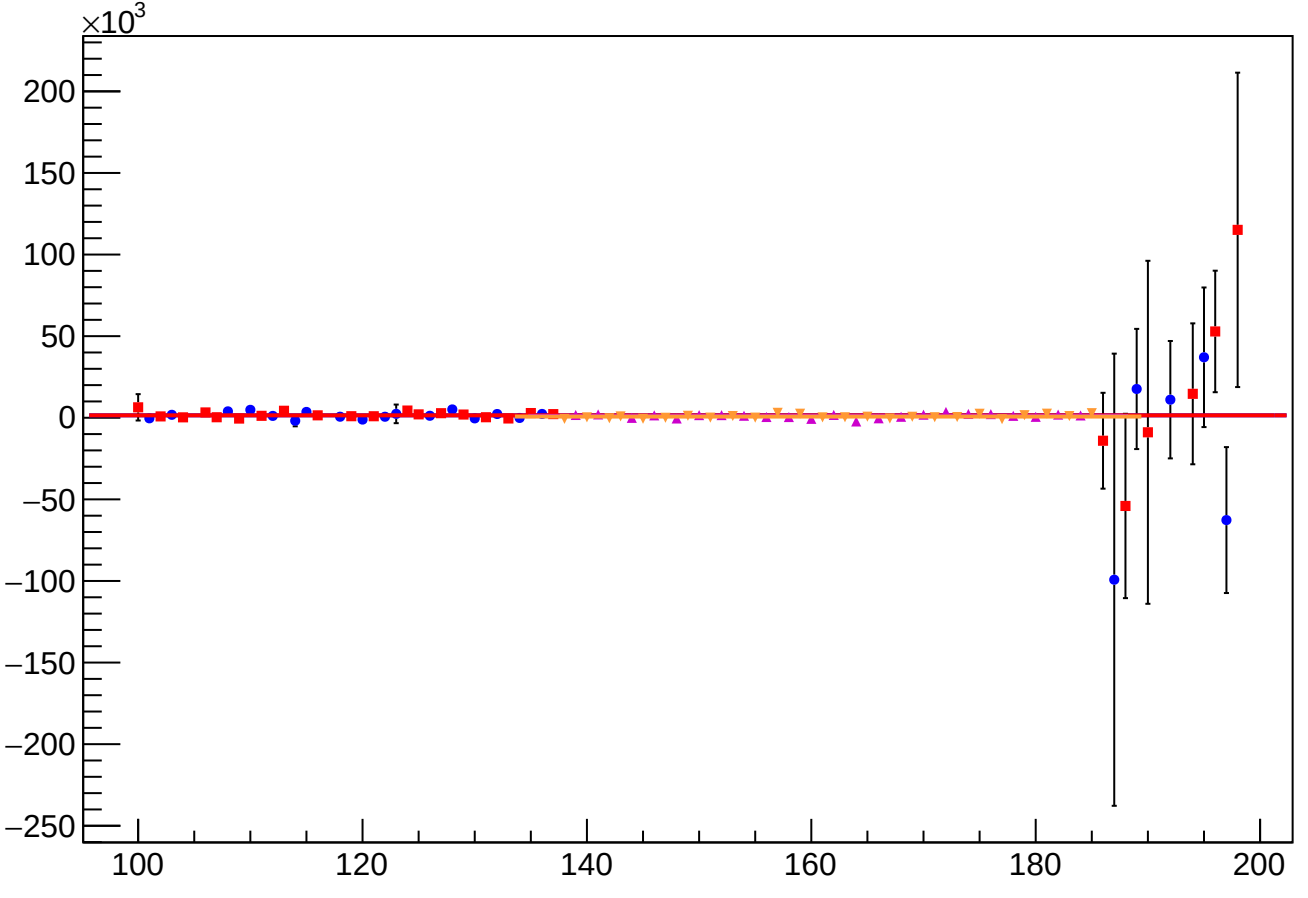
Left: 758.665+/-0.091 χ^2/NDF: 1687969.6/47

Right: 908.355+/-0.159 χ^2/NDF: 3432019.5/47

In: 784.801+/-0.112 χ^2/NDF:2740675.4/44

Out: 805.857+/-0.111 χ^2/NDF:3027287.9/50

All: 795.447+/-0.079 χ^2/NDF: 5785728.7/95



Right In: 1498.191+/-402.582 χ^2/NDF: 20.7/21

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

Right Out: 1490.964+/-400.624 χ^2/NDF: 16.7/24

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

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

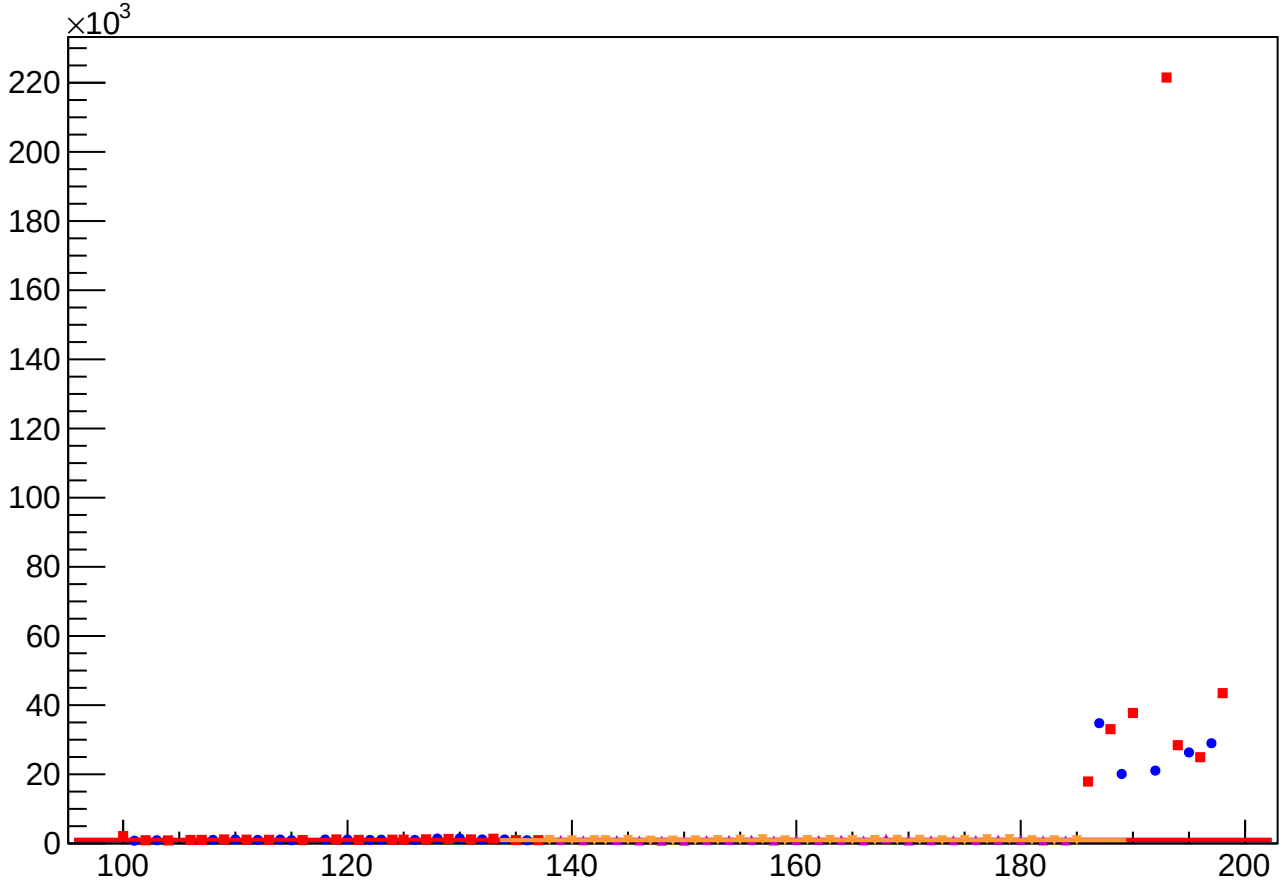
Right: 1494.560+/-283.974 χ^2/NDF: 37.3/46

In: 1216.562+/-199.748 χ^2/NDF:46.7/44

Out: 920.450+/-196.532 χ^2/NDF:40.9/49

All: 1066.103+/-140.092 χ^2/NDF: 88.7/94

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1031.661+/-0.285 χ^2/NDF: 3115476.5/21

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

Right Out: 1069.235+/-0.283 χ^2/NDF: 3970749.7/25

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

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

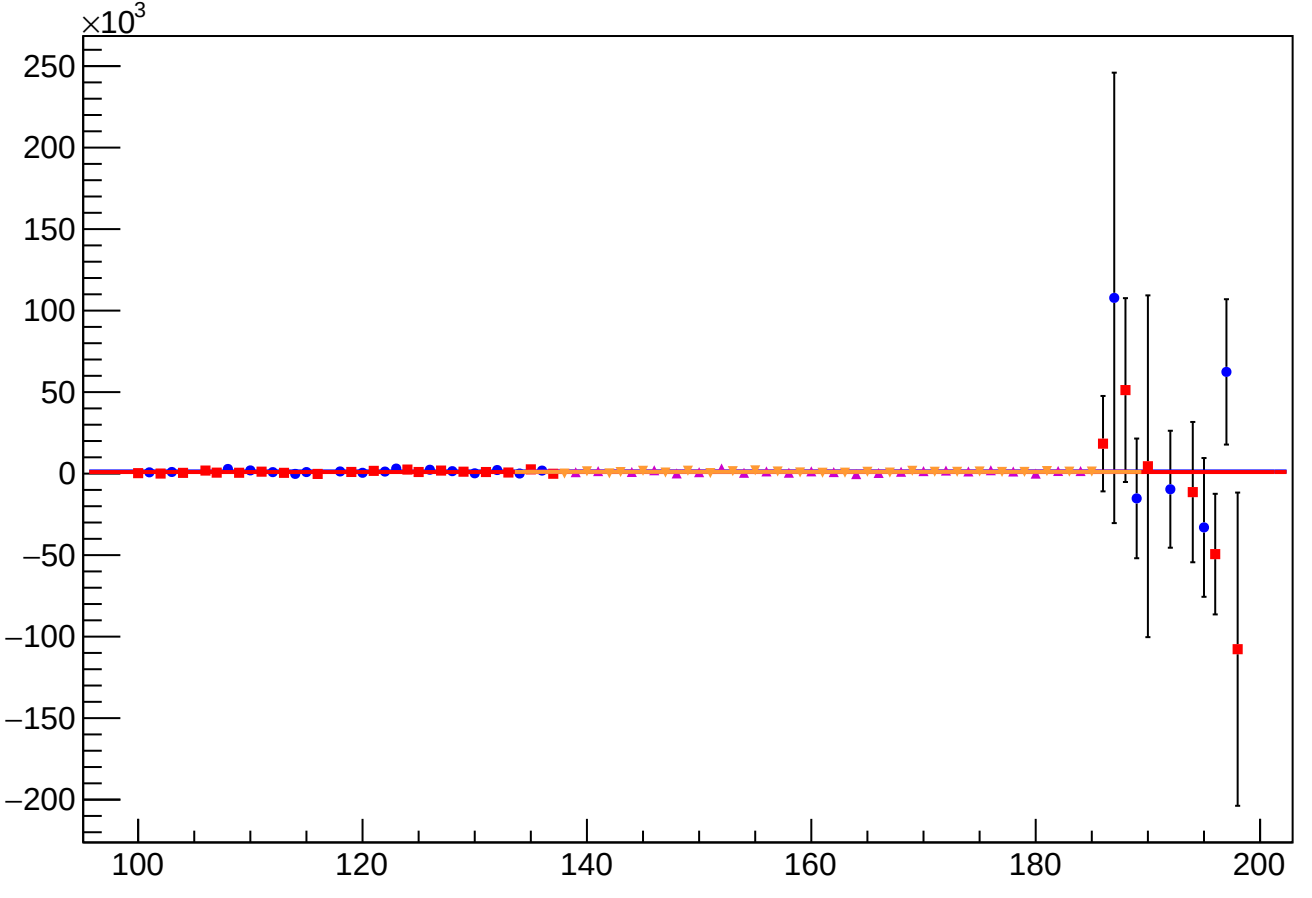
Right: 1050.540+/-0.201 χ^2/NDF: 7094979.7/47

In: 973.604+/-0.141 χ^2/NDF:3614049.6/44

Out: 988.001+/-0.139 χ^2/NDF:4441979.7/50

All: 980.919+/-0.099 χ^2/NDF: 8061308.5/95

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1345.236+/-218.841 χ^2/NDF: 15.4/21

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

Right Out: 964.622+/-208.601 χ^2/NDF: 16.6/24

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

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

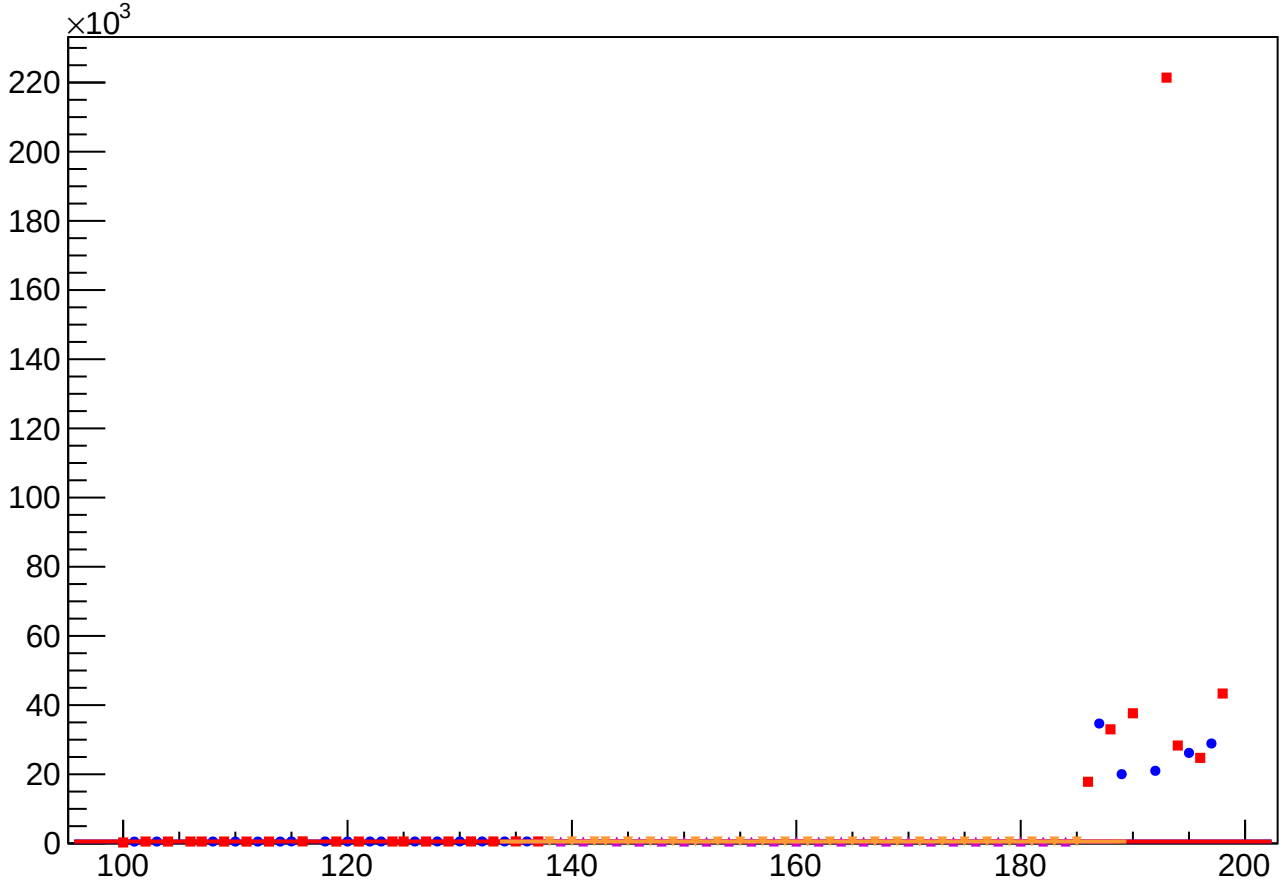
Right: 1145.816+/-150.993 χ^2/NDF: 33.6/46

In: 1231.638+/-113.852 χ^2/NDF:47.9/44

Out: 1053.286+/-110.220 χ^2/NDF:31.8/49

All: 1139.572+/-79.190 χ^2/NDF: 81.0/94

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 567.091+/-0.155 χ^2/NDF: 2900003.1/21

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

Right Out: 557.609+/-0.148 χ^2/NDF: 4009816.3/25

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

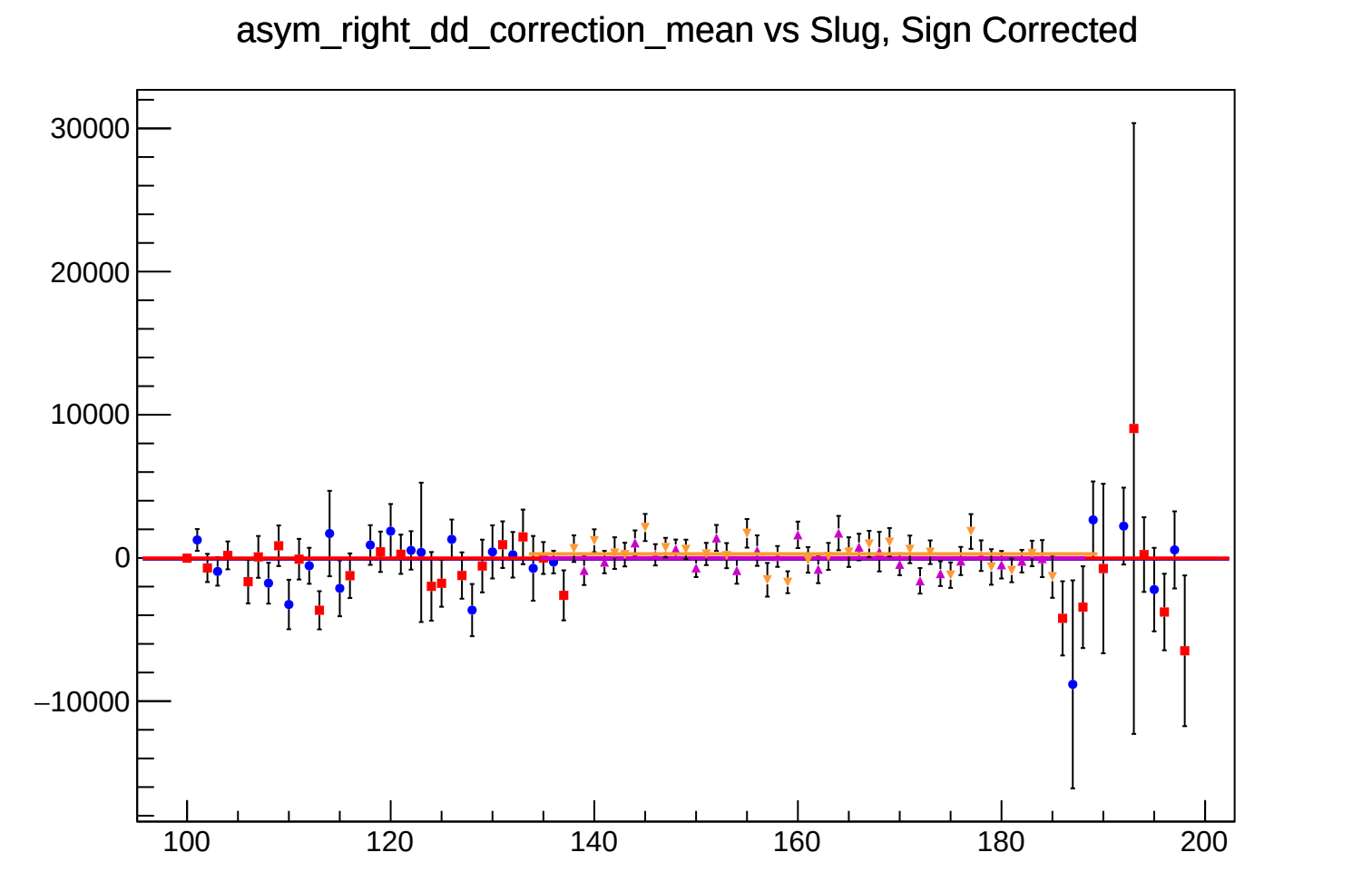
Left: 557.854+/-0.066 χ^2/NDF: 26076.6/47

Right: 562.123+/-0.107 χ^2/NDF: 6911786.7/47

In: 560.166+/-0.081 χ^2/NDF:2914025.8/44

Out: 557.962+/-0.078 χ^2/NDF:4024609.5/50

All: 559.029+/-0.056 χ^2/NDF: 6939022.2/95



Right In: -63.376+/-319.009 χ^2/NDF: 20.8/21

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

Right Out: -22.756+/-38.937 χ^2/NDF: 23.6/25

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

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

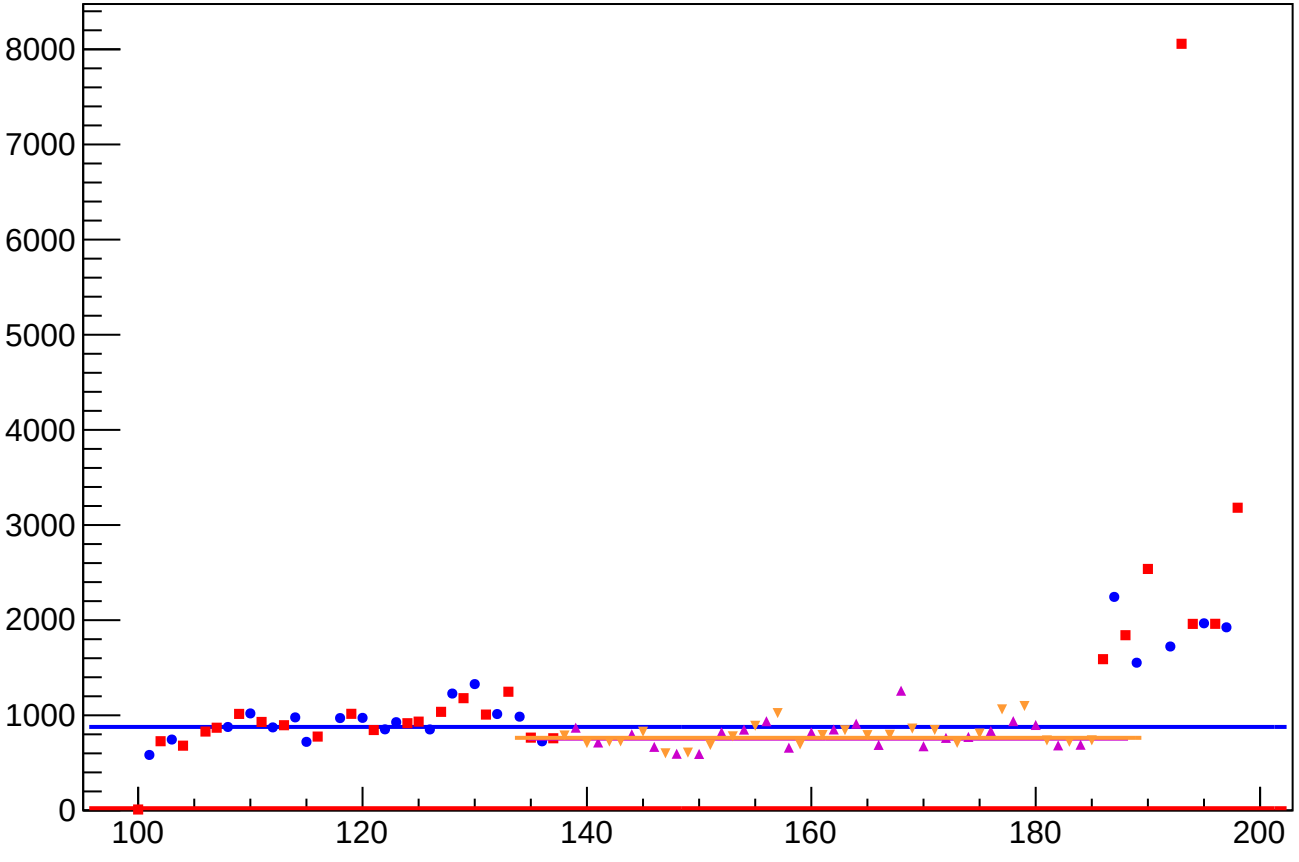
Right: -23.352+/-38.650 χ^2/NDF: 44.5/47

In: -21.243+/-159.045 χ^2/NDF:41.0/44

Out: -9.229+/-38.061 χ^2/NDF:53.1/50

All: -9.879+/-37.016 χ^2/NDF: 94.1/95

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 877.847+/-0.226 χ^2/NDF: 1639895.1/21

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

Right Out: 23.616+/-0.028 χ^2/NDF: 18546967.1/25

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

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

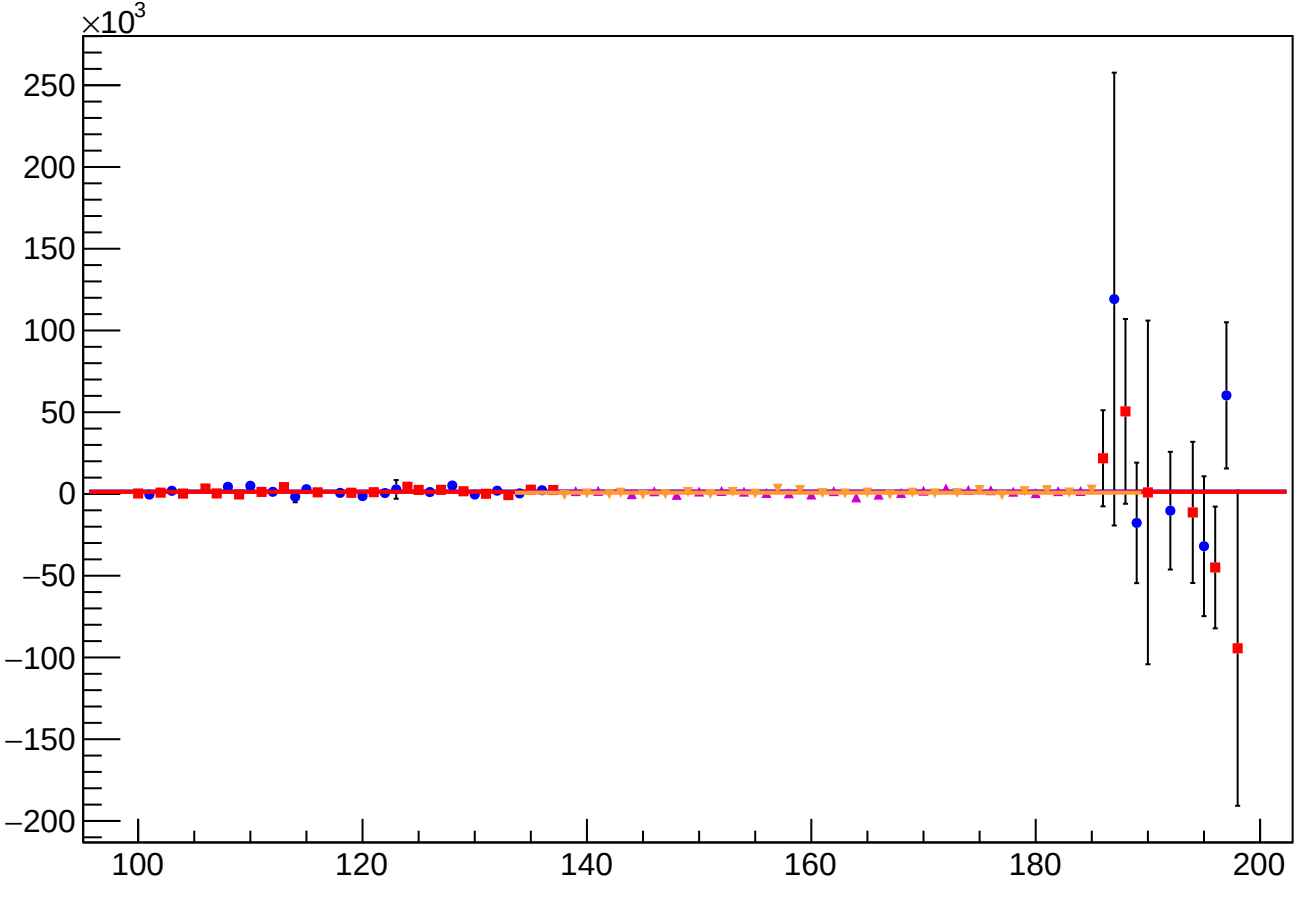
Right: 36.155+/-0.027 χ^2/NDF: 34317188.7/47

In: 785.146+/-0.112 χ^2/NDF:2796180.7/44

Out: 56.514+/-0.027 χ^2/NDF:51402034.4/50

All: 95.981+/-0.026 χ^2/NDF: 93901189.1/95

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1518.514+/-402.805 χ^2/NDF: 21.2/21

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

Right Out: 1285.947+/-376.601 χ^2/NDF: 16.2/24

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

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

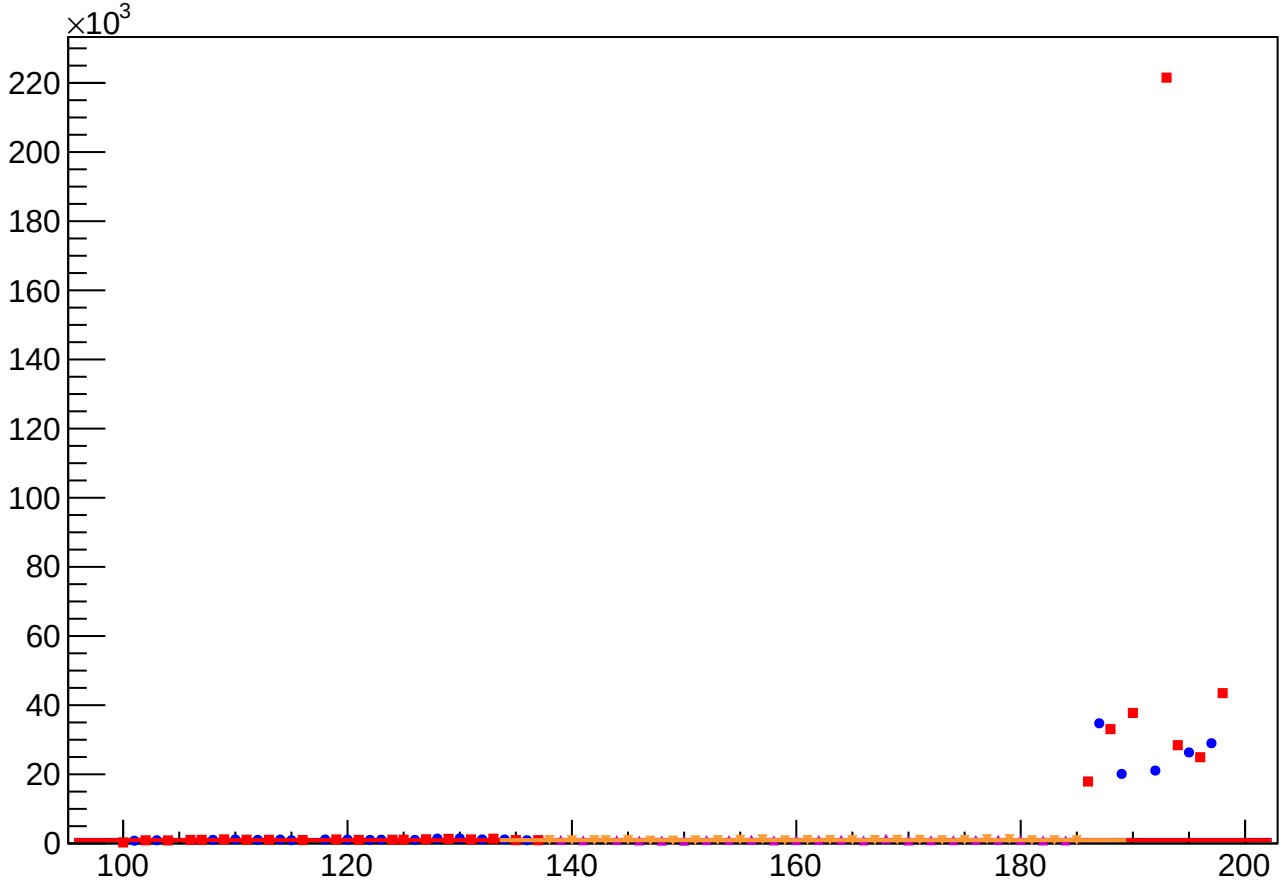
Right: 1394.420+/-275.095 χ^2/NDF: 37.6/46

In: 1260.558+/-199.883 χ^2/NDF:46.0/44

Out: 886.309+/-193.569 χ^2/NDF:38.0/49

All: 1067.429+/-139.052 χ^2/NDF: 85.8/94

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1032.239+/-0.285 χ^2/NDF: 3115627.6/21

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

Right Out: 974.199+/-0.266 χ^2/NDF: 4833571.6/25

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

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

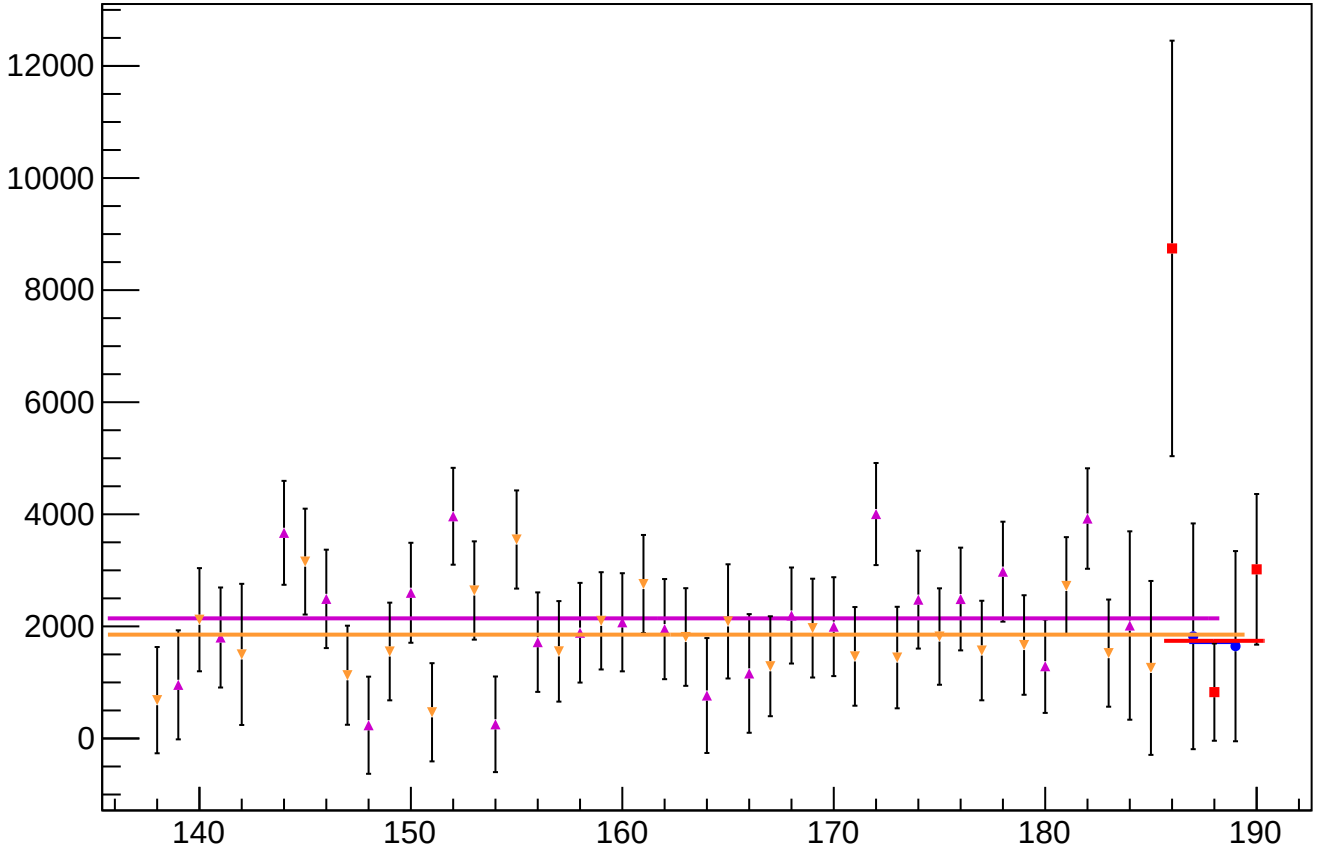
Right: 1001.270+/-0.195 χ^2/NDF: 7971355.1/47

In: 974.269+/-0.141 χ^2/NDF:3613652.6/44

Out: 965.794+/-0.137 χ^2/NDF:5197763.4/50

All: 969.895+/-0.098 χ^2/NDF: 8813271.1/95

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

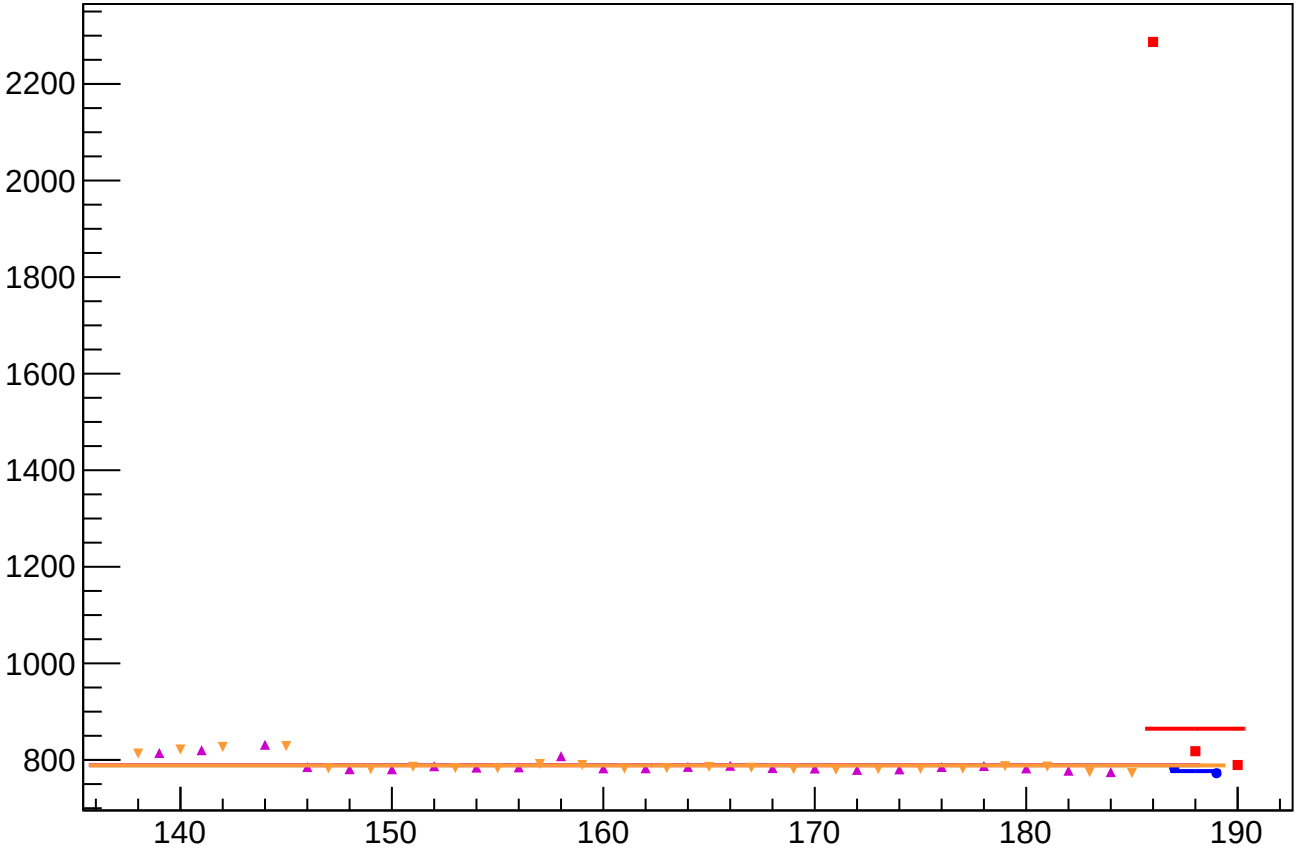
Right: 1737.192+/-626.421 χ^2/NDF: 5.6/4

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

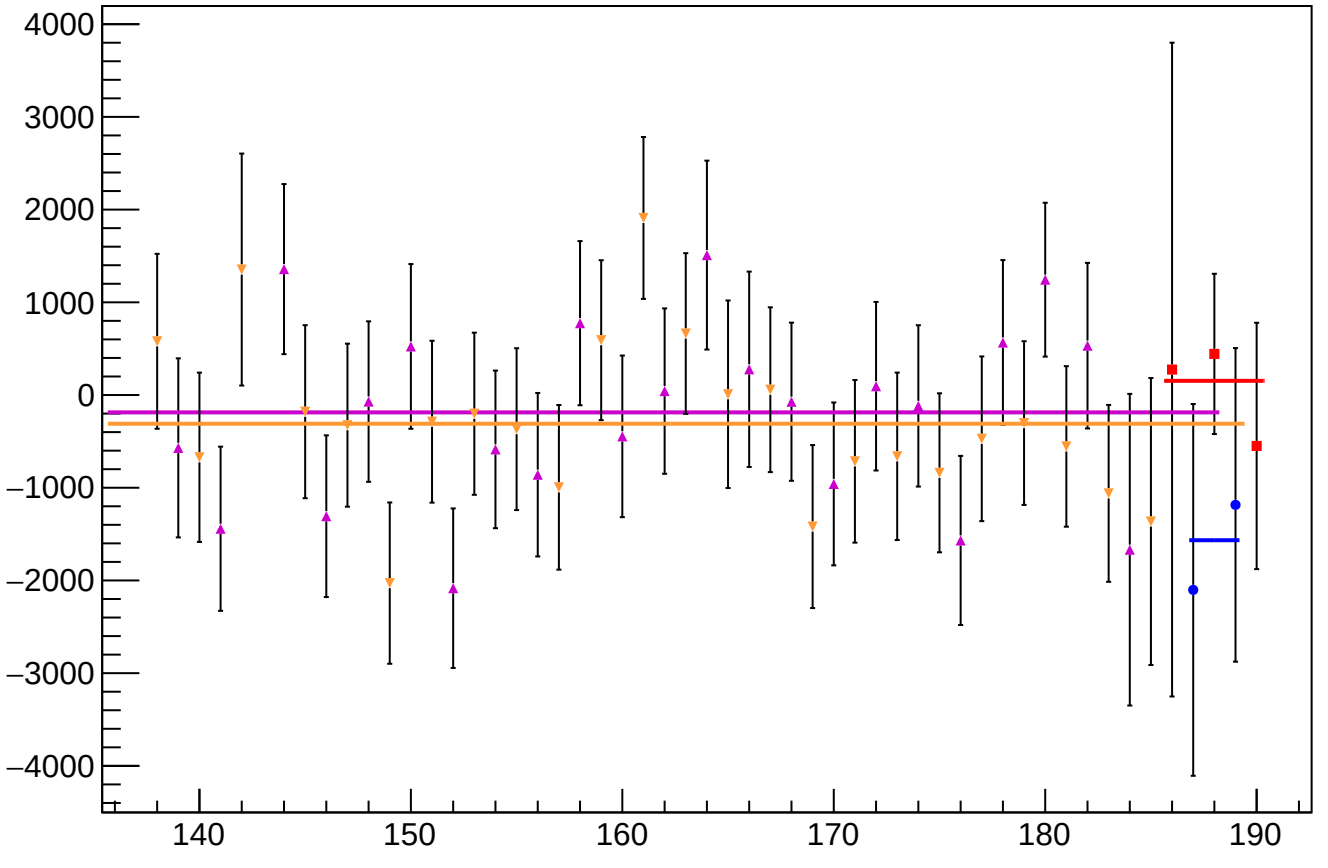
Left: 788.914+/-0.094 χ^2/NDF: 22367.7/46

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

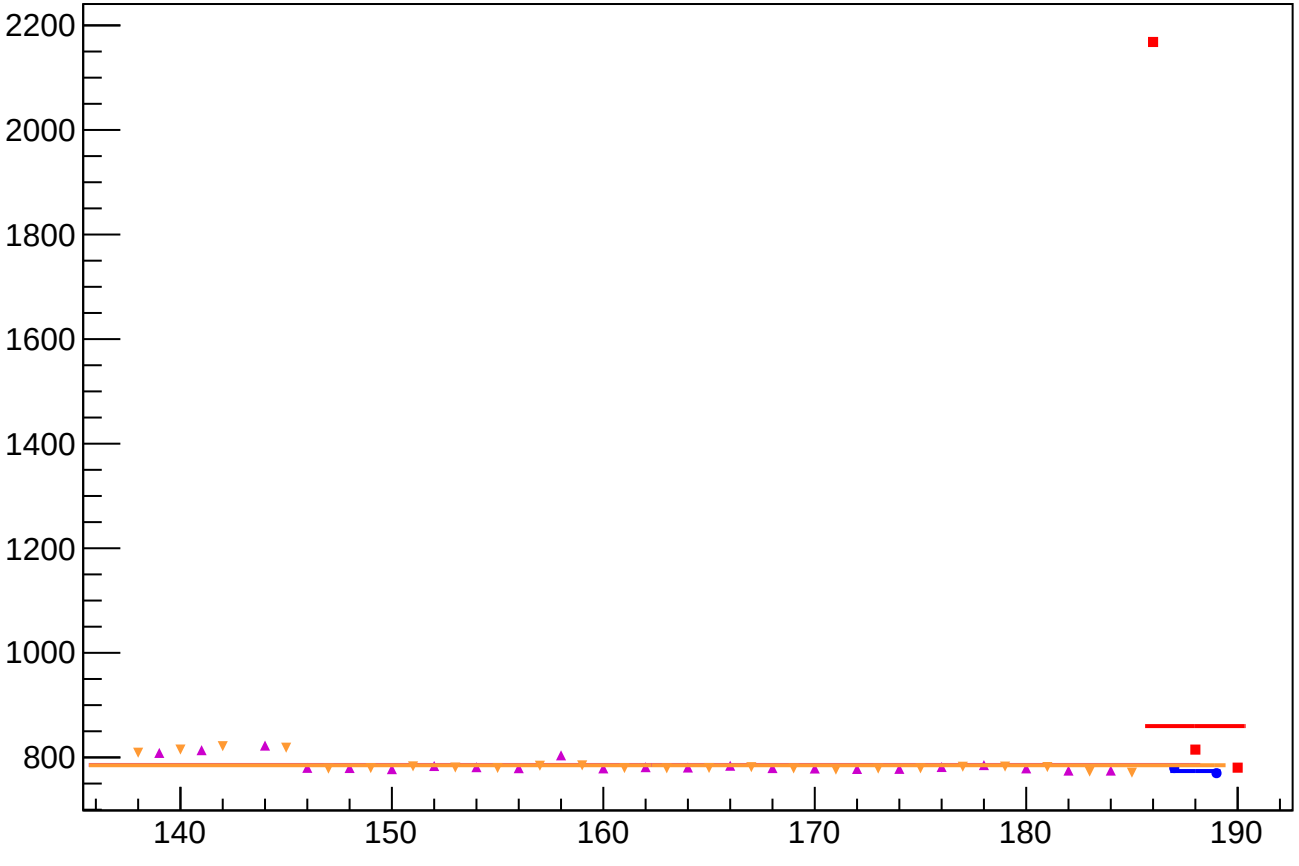
Right: -244.818+/-622.066 χ^2/NDF: 1.9/4

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

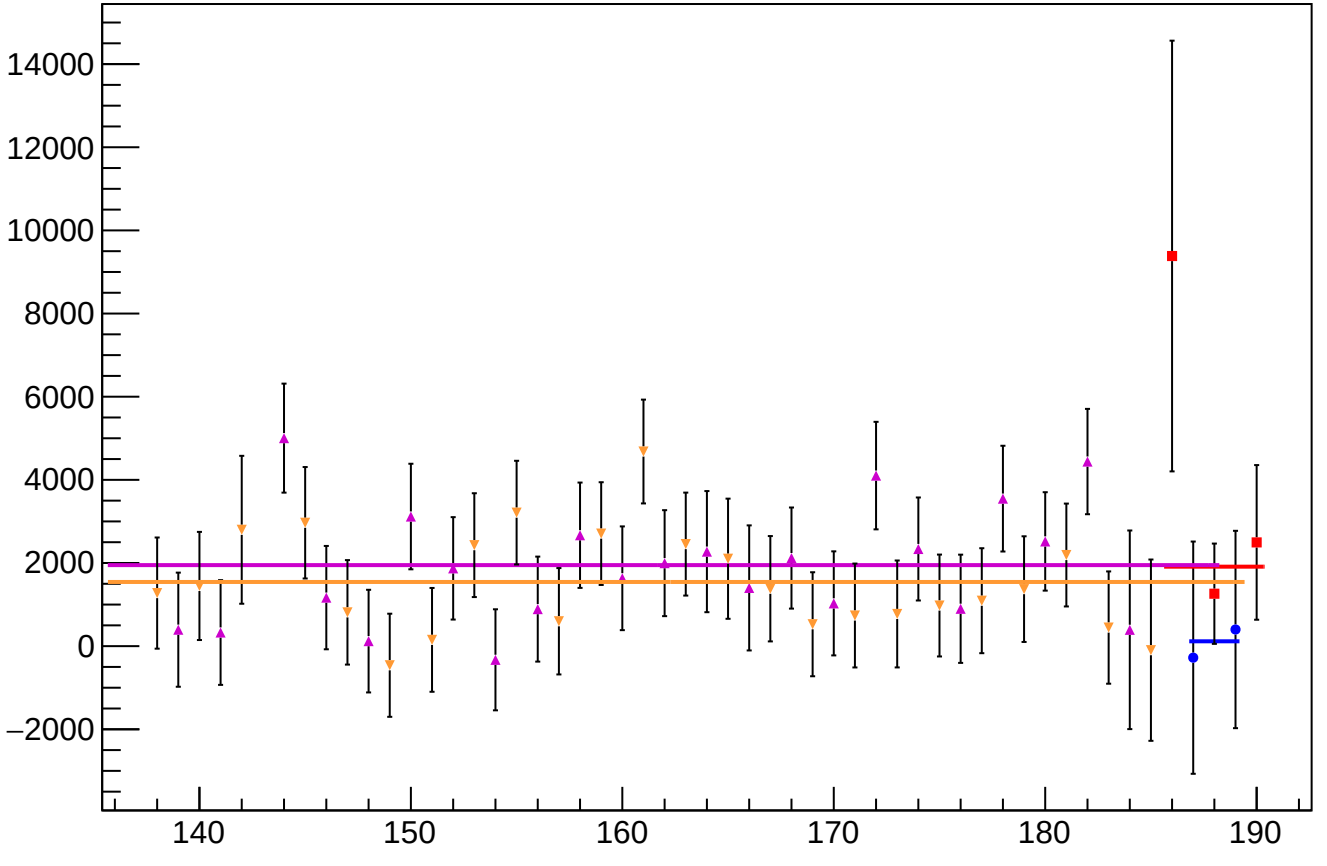
Right: 839.990+/-0.440 χ^2/NDF: 294774.5/4

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

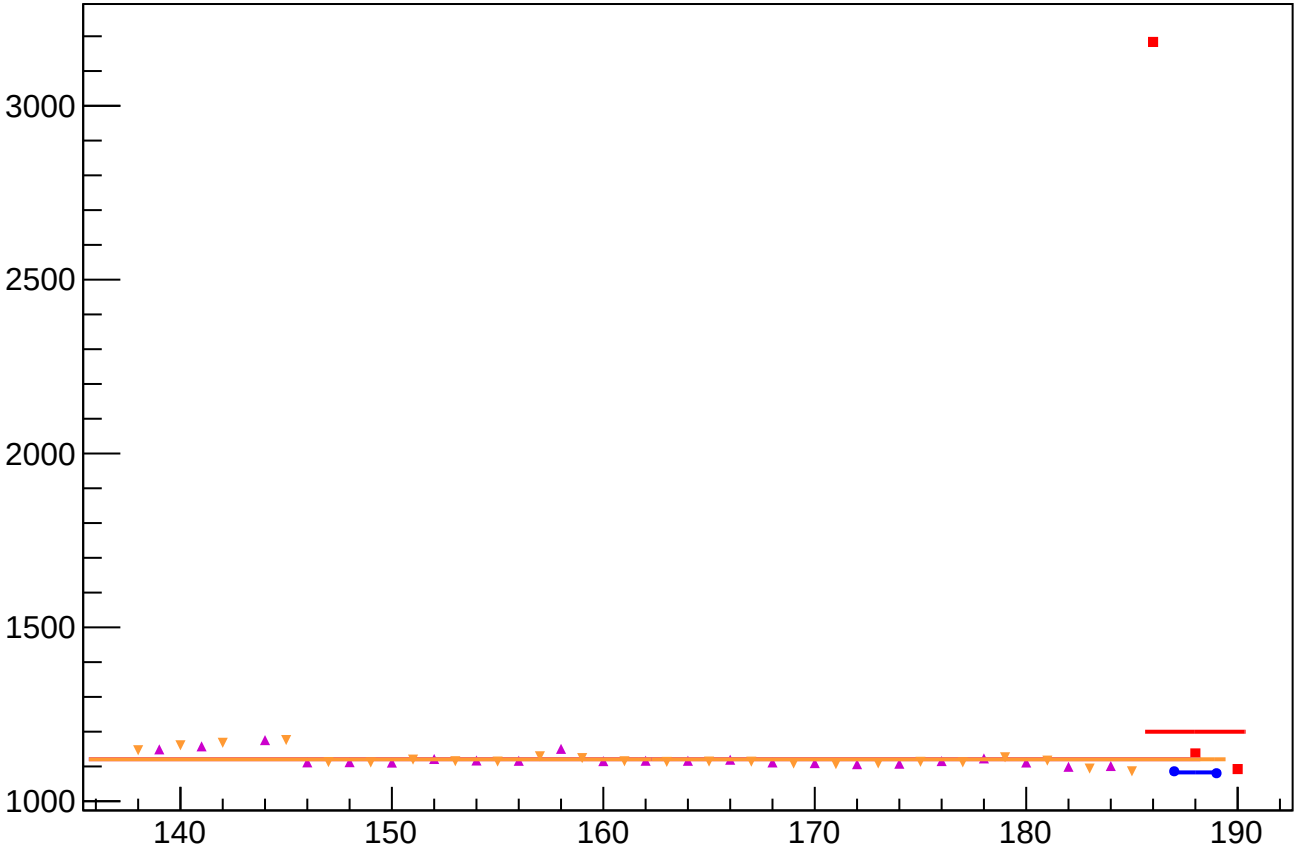
Right: 1495.731+/-870.601 χ^2/NDF: 3.3/4

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

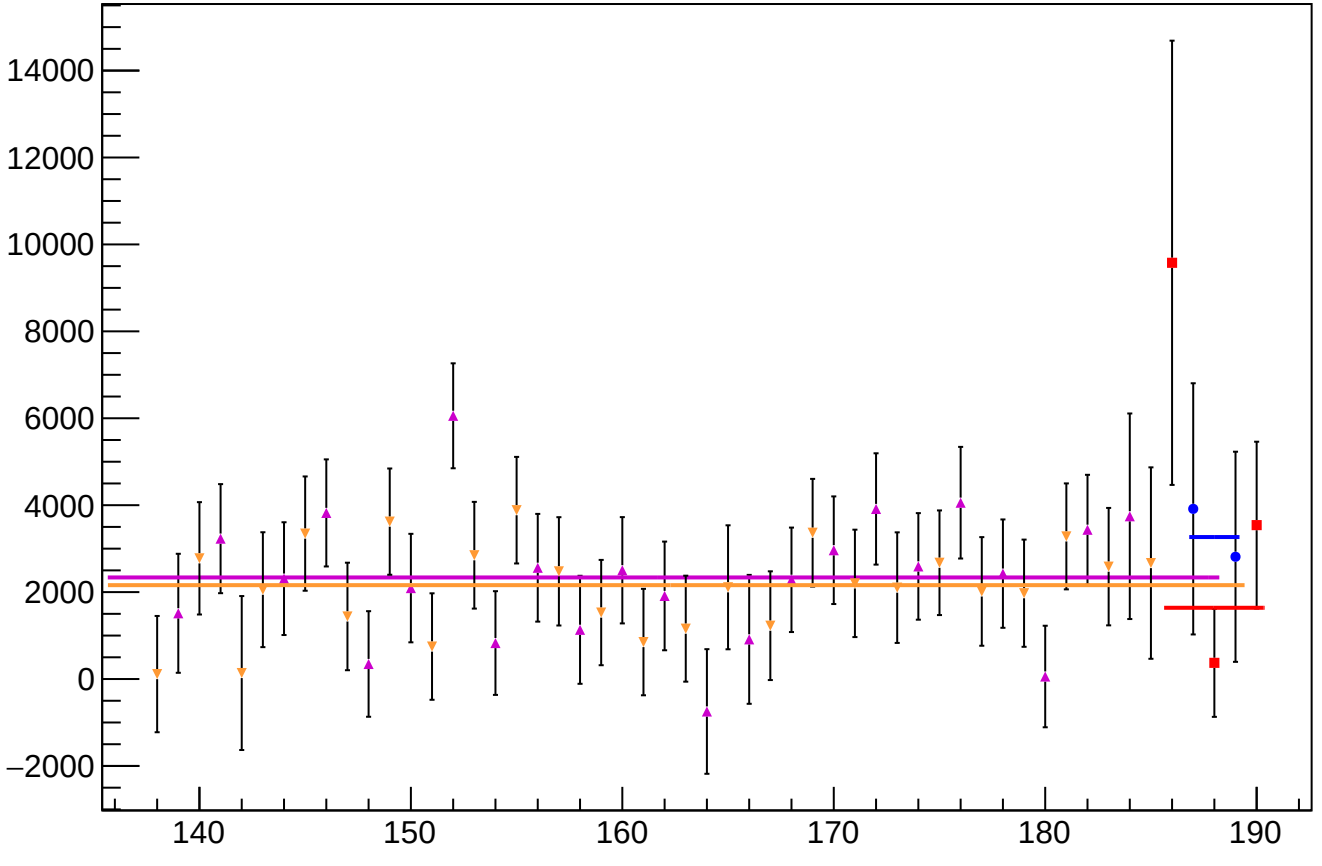
Right: 1172.741+/-0.616 χ^2/NDF: 311788.3/4

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

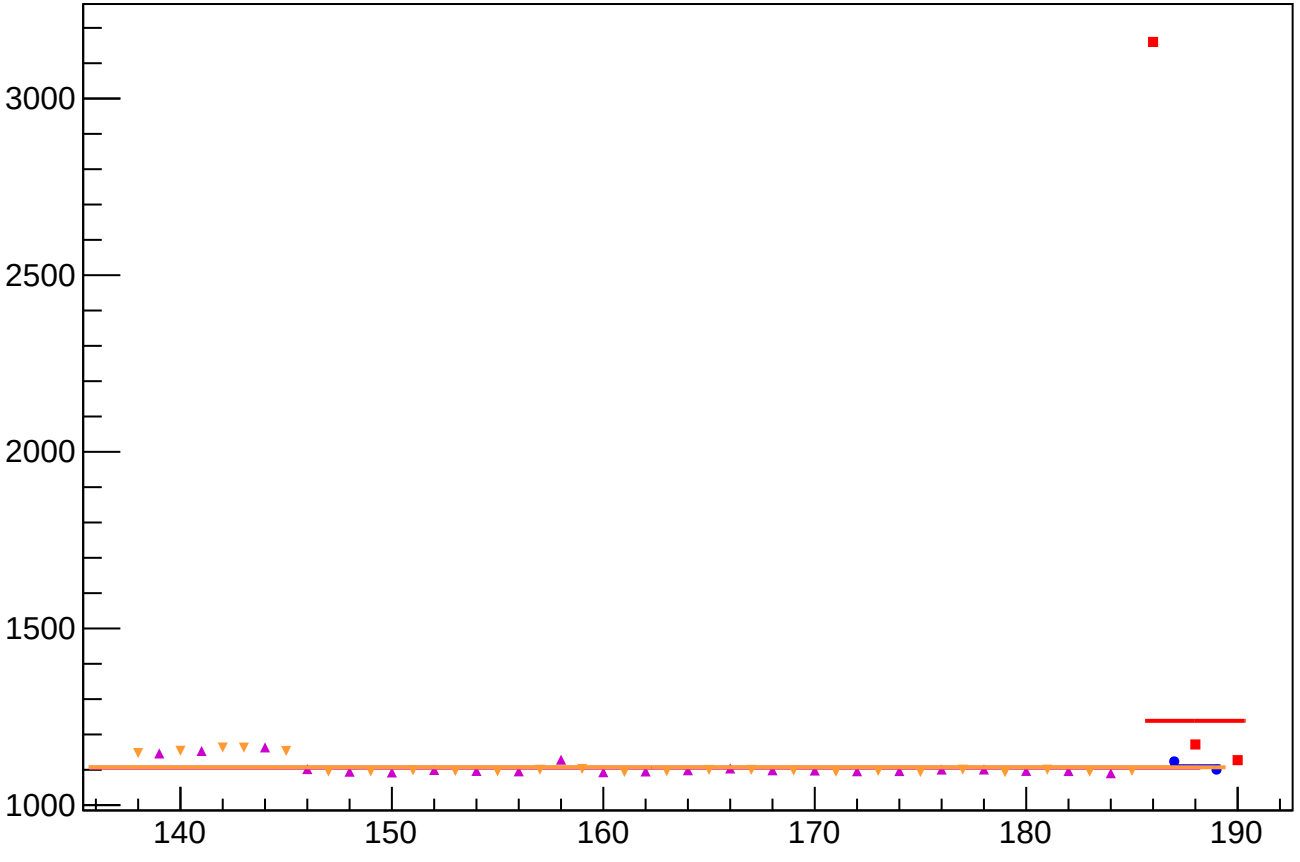
Right: 2018.696+/-895.144 χ^2/NDF: 5.1/4

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

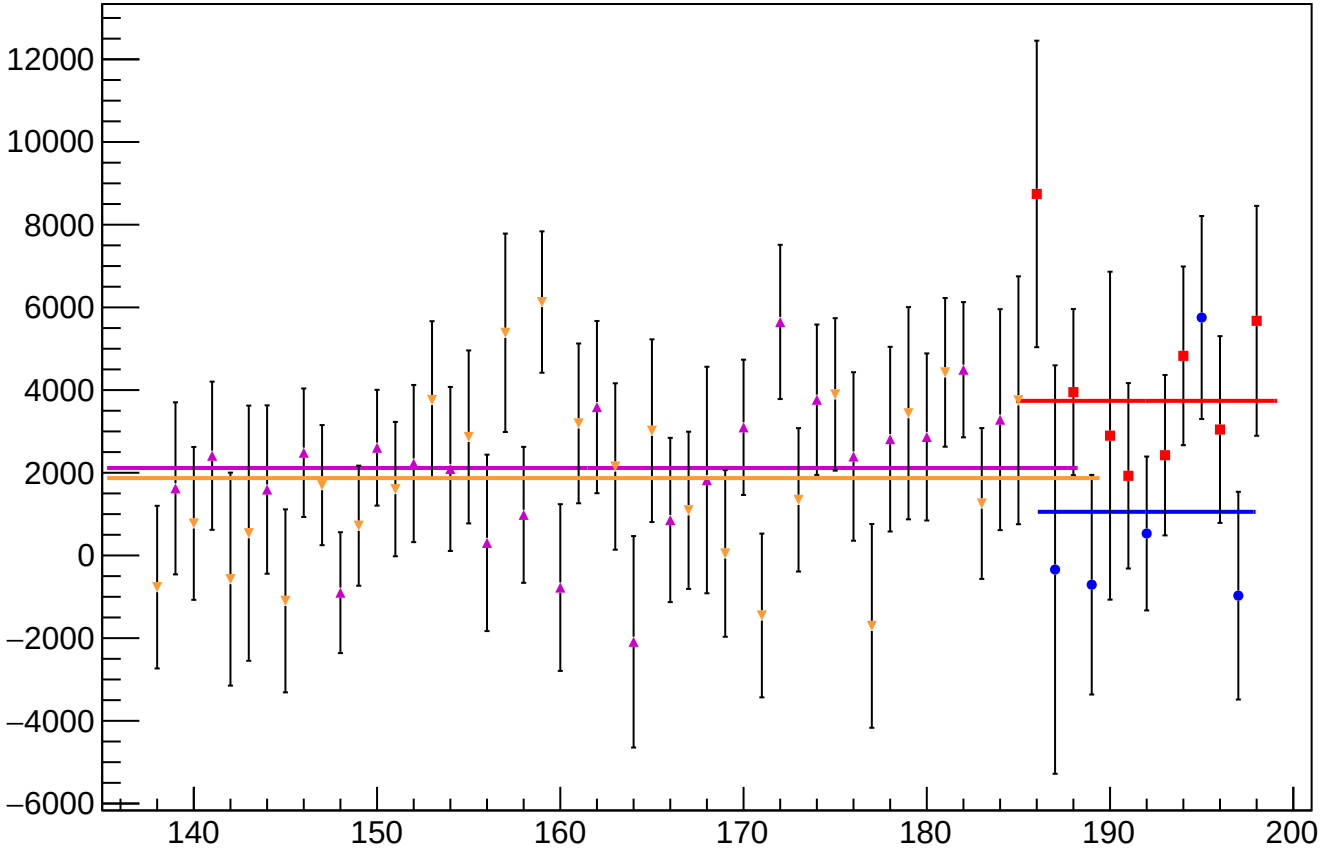
Right: 1208.687+/-0.633 χ^2/NDF: 302689.7/4

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: 1055.260+/-1120.924 χ^2/NDF: 4.9/4

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

Right Out: 3739.565+/-848.675 χ^2/NDF: 3.8/7

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

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

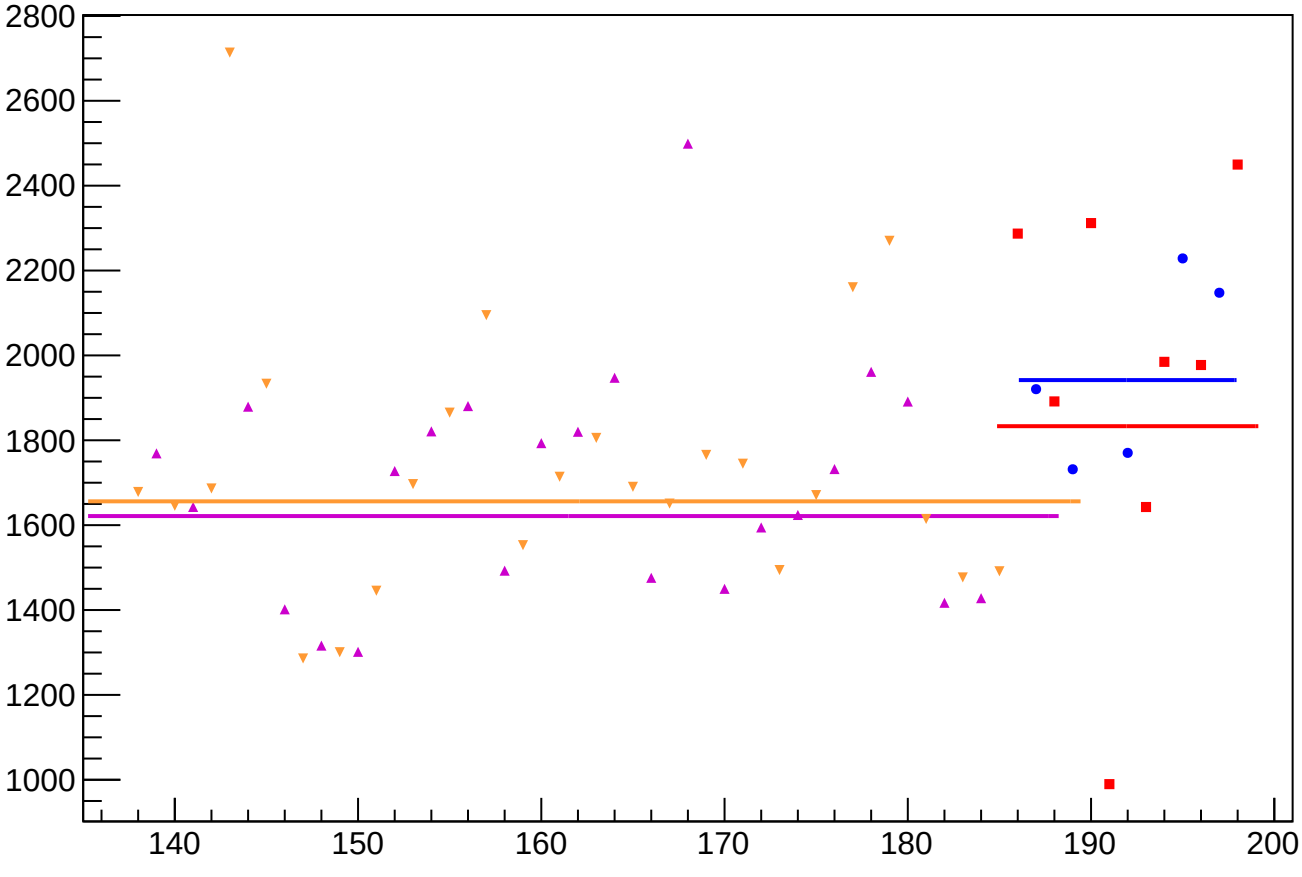
Right: 2761.497+/-676.620 χ^2/NDF: 12.4/12

In: 1999.988+/-370.864 χ^2/NDF:24.5/27

Out: 2199.647+/-355.635 χ^2/NDF:33.9/32

All: 2104.001+/-256.687 χ^2/NDF: 58.6/60

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1941.843+/-0.793 χ^2/NDF: 70247.6/4

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

Right Out: 1833.207+/-0.600 χ^2/NDF: 479386.0/7

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

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

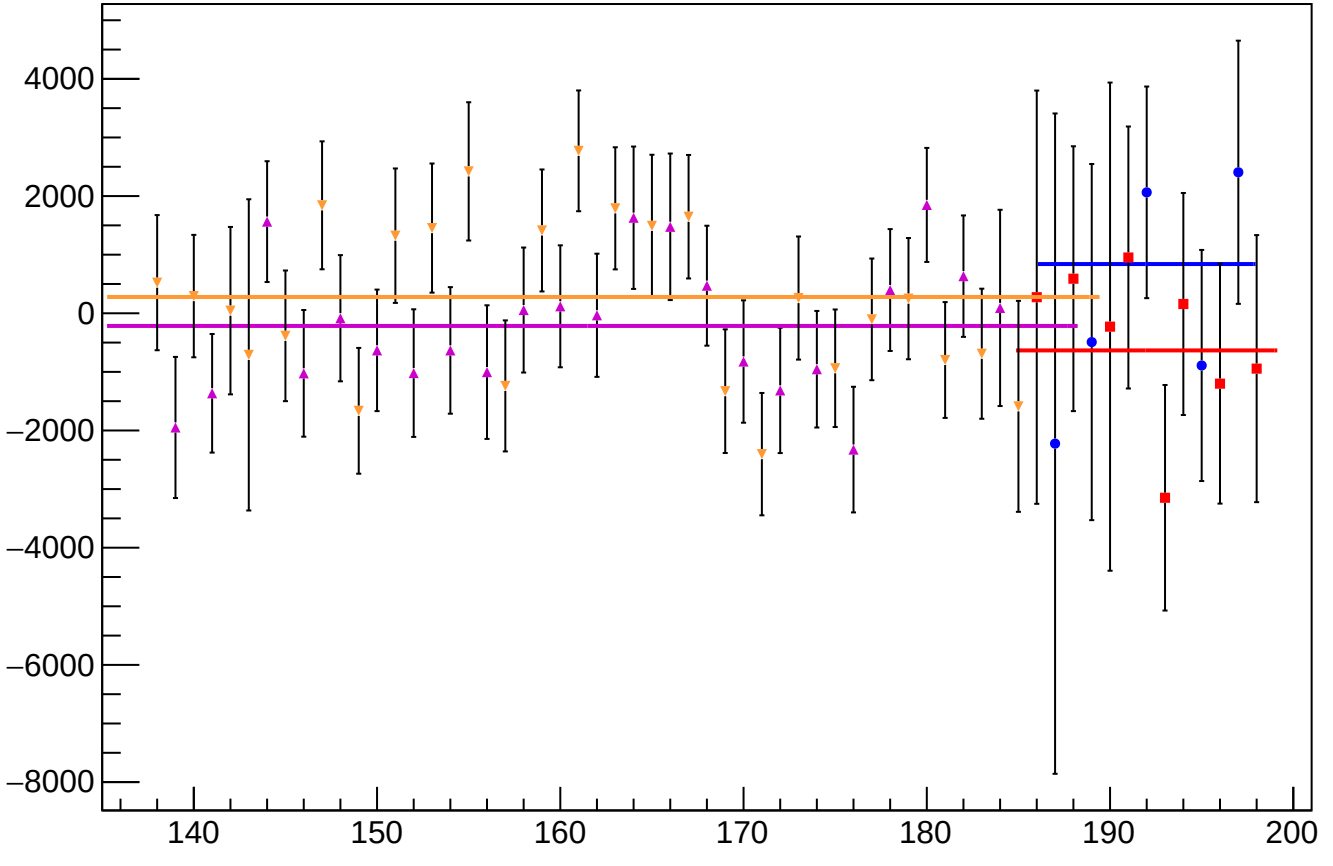
Right: 1872.790+/-0.478 χ^2/NDF: 561574.5/12

In: 1656.492+/-0.262 χ^2/NDF:991098.6/27

Out: 1687.216+/-0.251 χ^2/NDF:1461748.9/32

All: 1672.498+/-0.182 χ^2/NDF: 2459998.1/60

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 840.112+/-1052.912 χ^2/NDF: 2.2/4

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

Right Out: -633.701+/-812.709 χ^2/NDF: 2.8/7

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

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

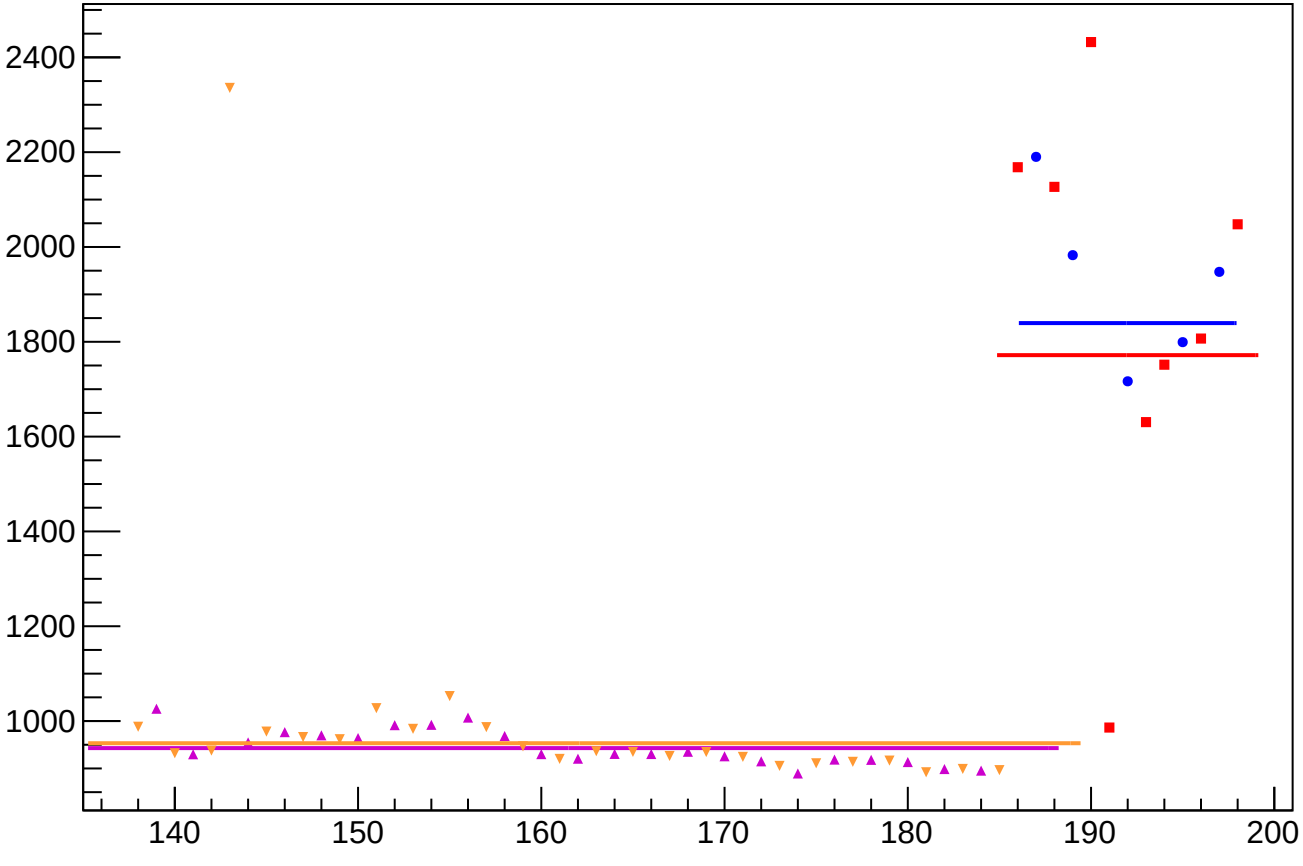
Right: -83.457+/-643.352 χ^2/NDF: 6.3/12

In: -169.759+/-220.594 χ^2/NDF:27.6/27

Out: 213.938+/-215.572 χ^2/NDF:42.4/32

All: 26.507+/-154.177 χ^2/NDF: 71.5/60

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1839.453+/-0.745 χ^2/NDF: 26907.5/4

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

Right Out: 1771.849+/-0.575 χ^2/NDF: 412884.1/7

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

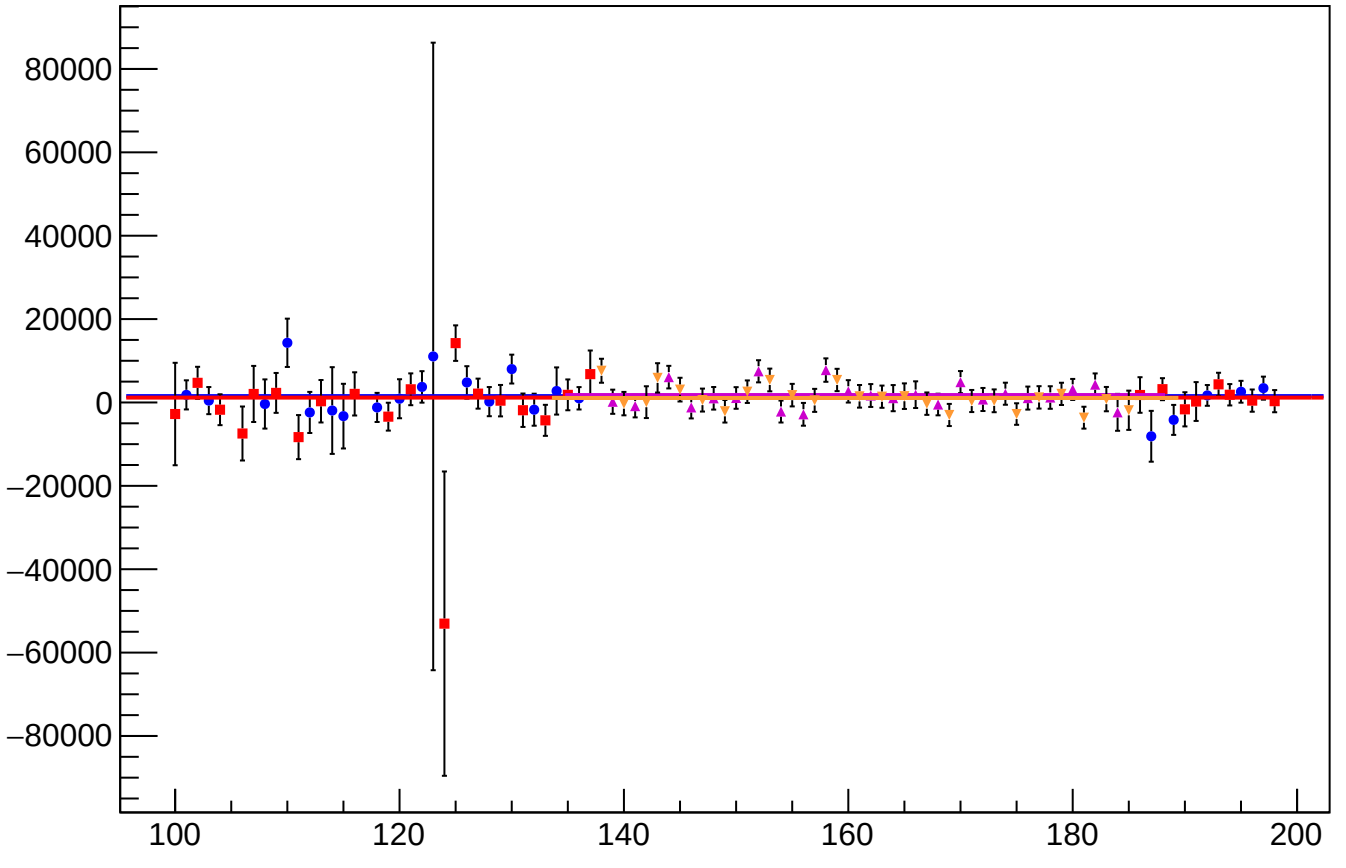
Left: 948.120+/-0.112 χ^2/NDF: 656777.0/47

Right: 1797.089+/-0.455 χ^2/NDF: 444958.4/12

In: 982.278+/-0.156 χ^2/NDF:1461679.5/27

Out: 1010.818+/-0.152 χ^2/NDF:2905618.7/32

All: 996.877+/-0.109 χ^2/NDF: 4384421.9/60



Right In: 1527.072+/-813.493 χ^2/NDF: 18.0/21

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

Right Out: 1167.821+/-741.946 χ^2/NDF: 27.0/26

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

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

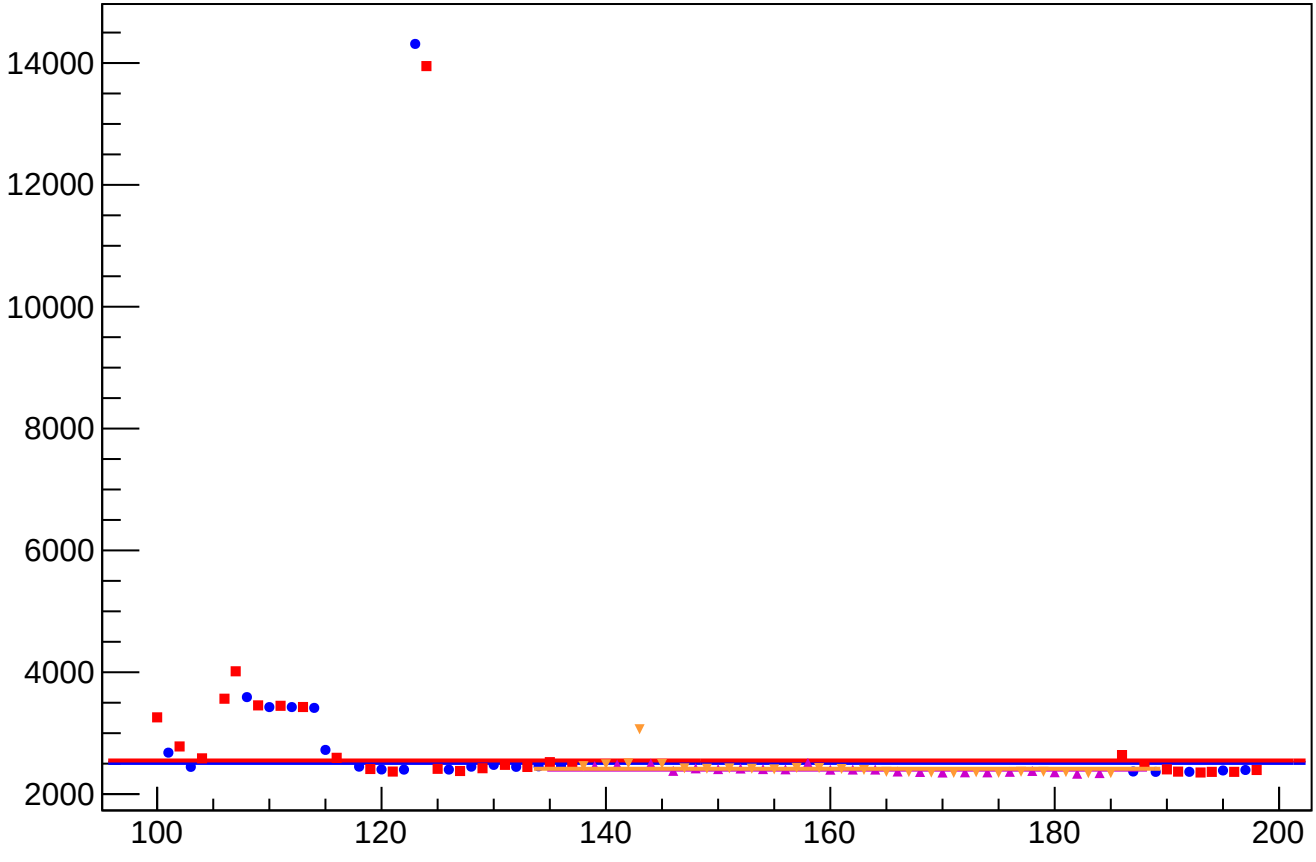
Right: 1330.956+/-548.188 χ^2/NDF: 45.1/48

In: 1693.628+/-470.034 χ^2/NDF:42.1/44

Out: 1110.930+/-449.003 χ^2/NDF:50.6/51

All: 1388.951+/-324.673 χ^2/NDF: 93.5/96

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2512.071+/-0.575 χ^2/NDF: 283886.3/21

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

Right Out: 2551.827+/-0.525 χ^2/NDF: 606152.8/26

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

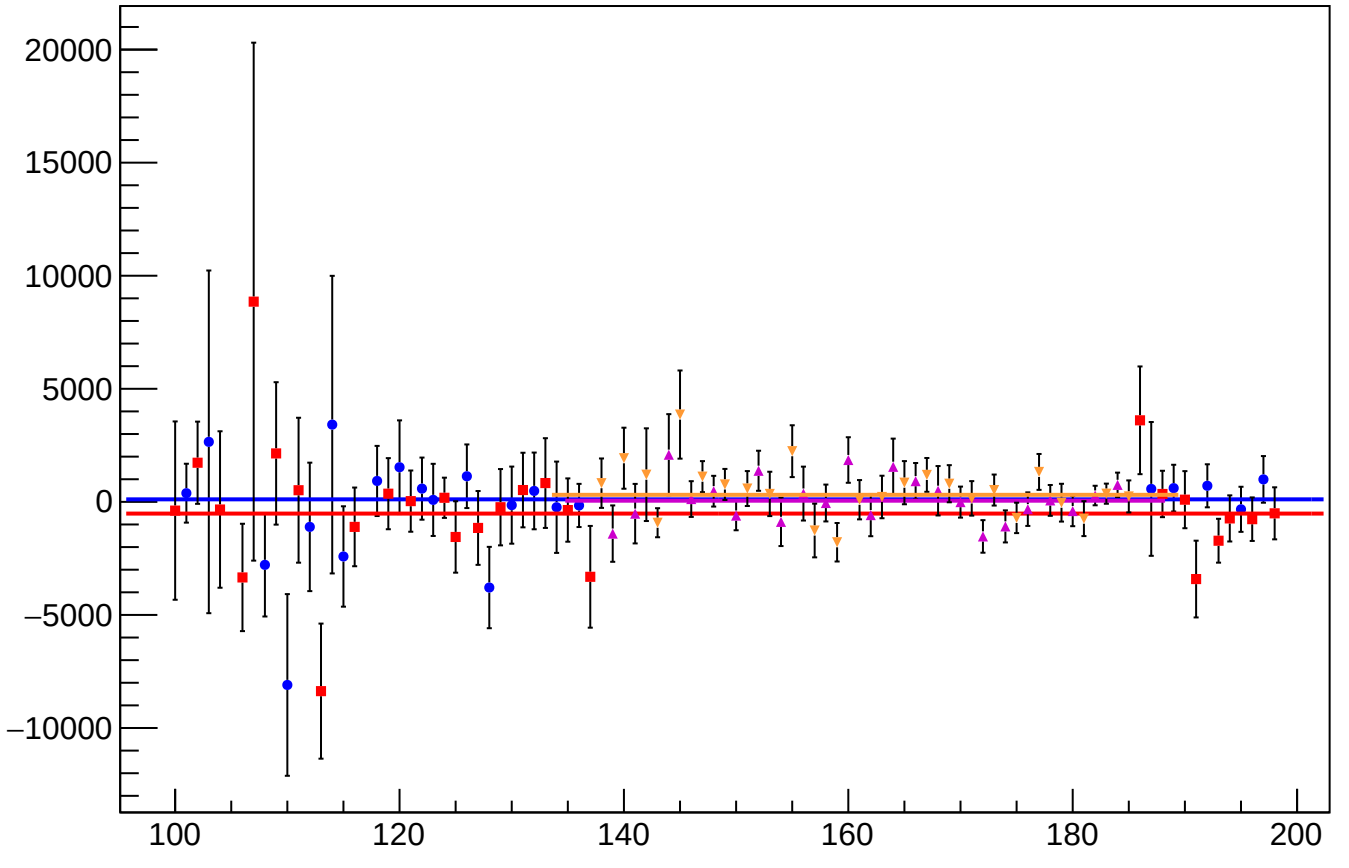
Left: 2408.873+/-0.285 χ^2/NDF: 97039.6/47

Right: 2533.773+/-0.388 χ^2/NDF: 892646.7/48

In: 2438.362+/-0.332 χ^2/NDF:322282.4/44

Out: 2465.756+/-0.317 χ^2/NDF:731256.9/51

All: 2452.685+/-0.230 χ^2/NDF: 1057091.4/96



Right In: 111.264+/-320.511 χ^2/NDF: 15.5/21

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

Right Out: -518.485+/-289.771 χ^2/NDF: 24.1/26

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

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

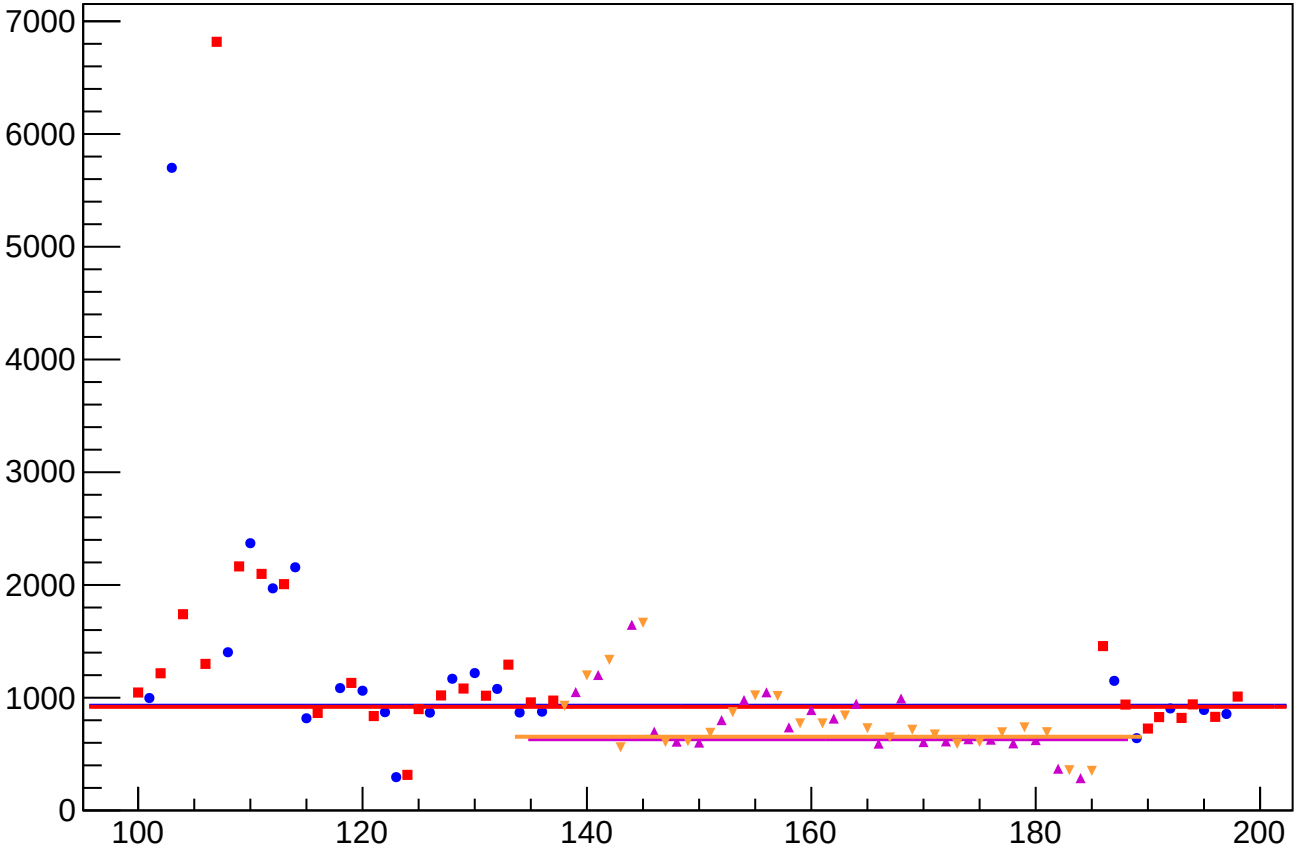
Right: -235.251+/-214.948 χ^2/NDF: 41.7/48

In: 63.594+/-144.399 χ^2/NDF:39.4/44

Out: 115.890+/-140.502 χ^2/NDF:60.1/51

All: 90.457+/-100.700 χ^2/NDF: 99.6/96

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 928.851+/-0.227 χ^2/NDF: 2134043.6/21

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

Right Out: 919.278+/-0.205 χ^2/NDF: 2880692.9/26

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

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

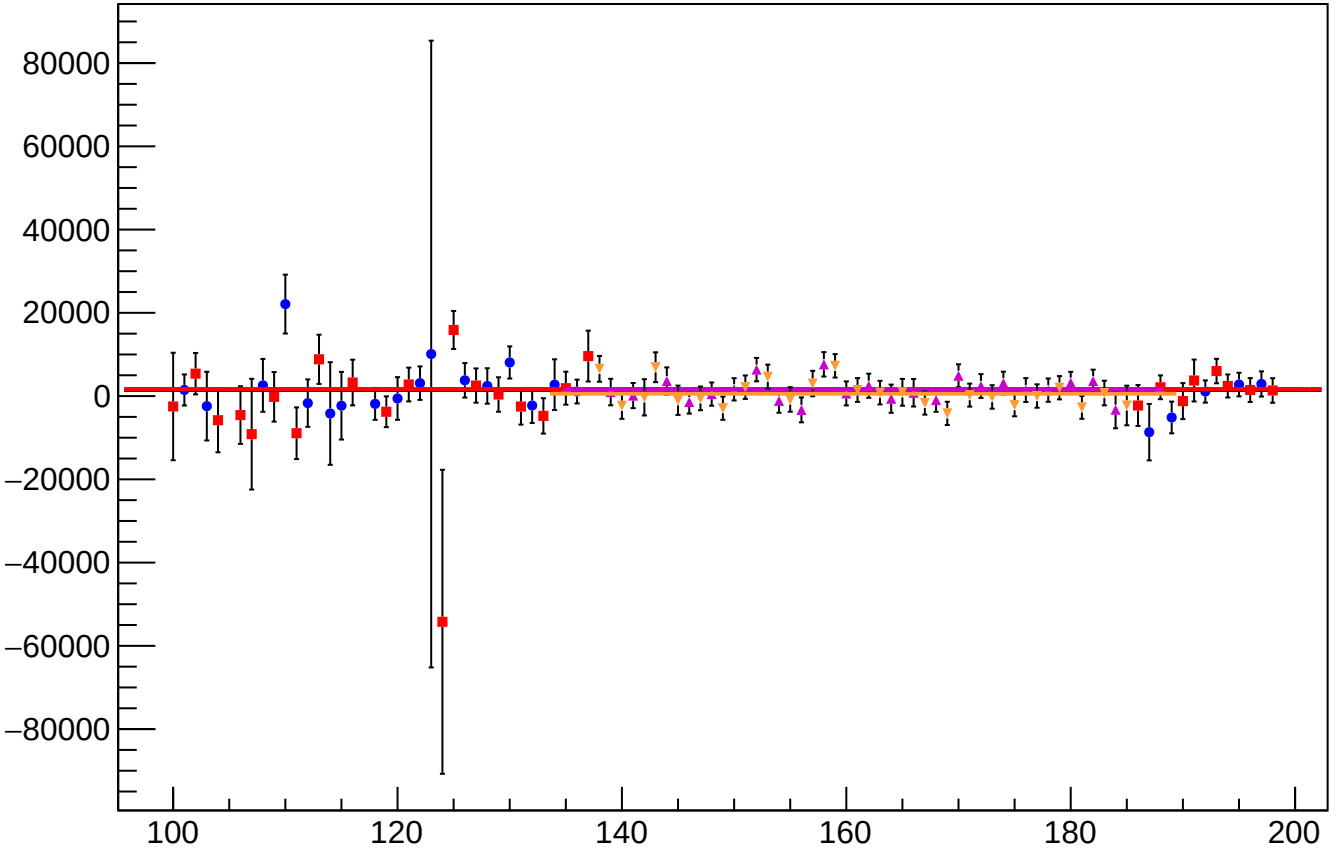
Right: 923.583+/-0.152 χ^2/NDF: 5015718.3/48

In: 692.296+/-0.102 χ^2/NDF:7443802.9/44

Out: 716.216+/-0.099 χ^2/NDF:7419403.7/51

All: 704.583+/-0.071 χ^2/NDF: 14891399.4/96

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1463.449+/-911.586 χ^2/NDF: 20.4/21

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

Right Out: 1693.008+/-832.085 χ^2/NDF: 30.5/26

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

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

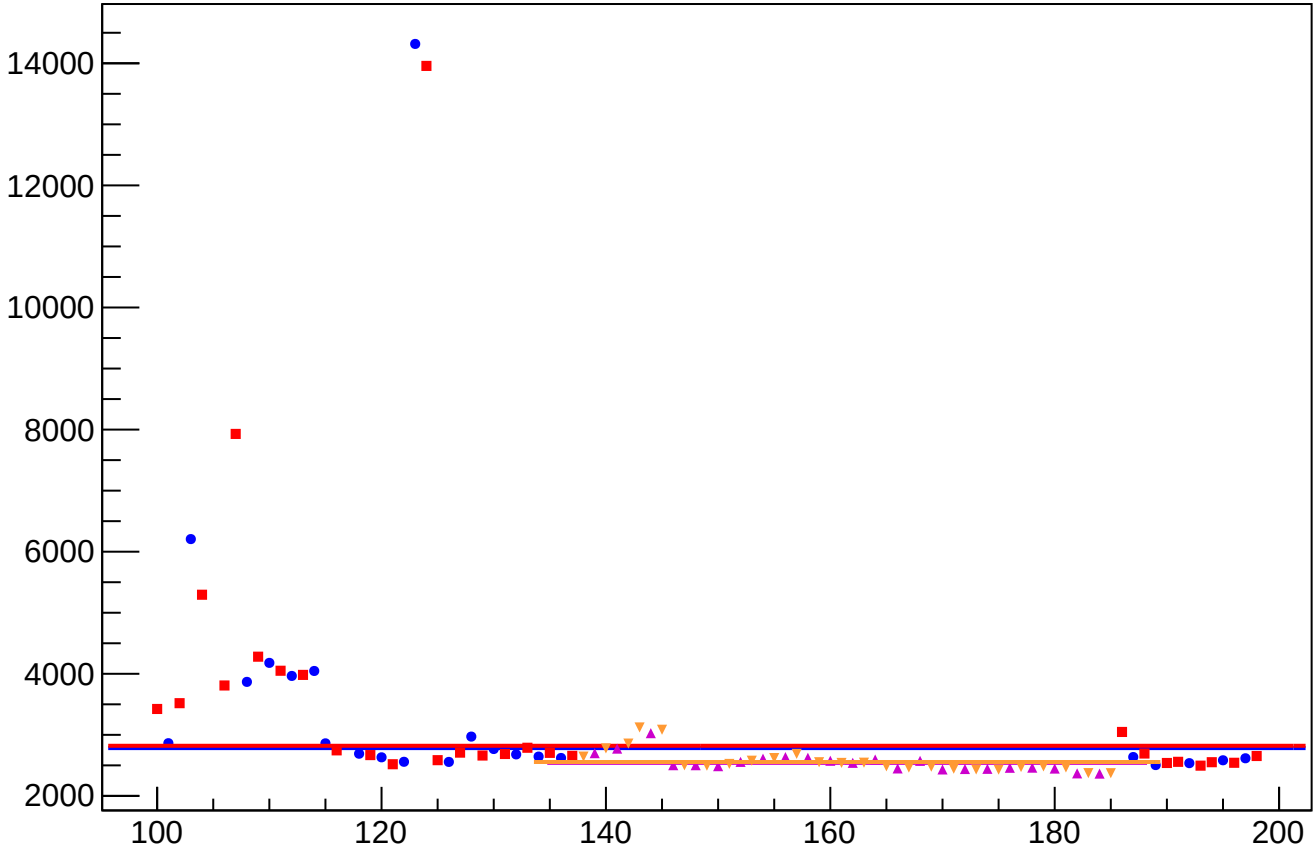
Right: 1588.673+/-614.561 χ^2/NDF: 51.0/48

In: 1612.711+/-507.029 χ^2/NDF:38.6/44

Out: 958.963+/-485.159 χ^2/NDF:57.0/51

All: 1271.434+/-350.536 χ^2/NDF: 96.5/96

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2782.762+/-0.645 χ^2/NDF: 708275.5/21

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

Right Out: 2820.965+/-0.588 χ^2/NDF: 1168004.5/26

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

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

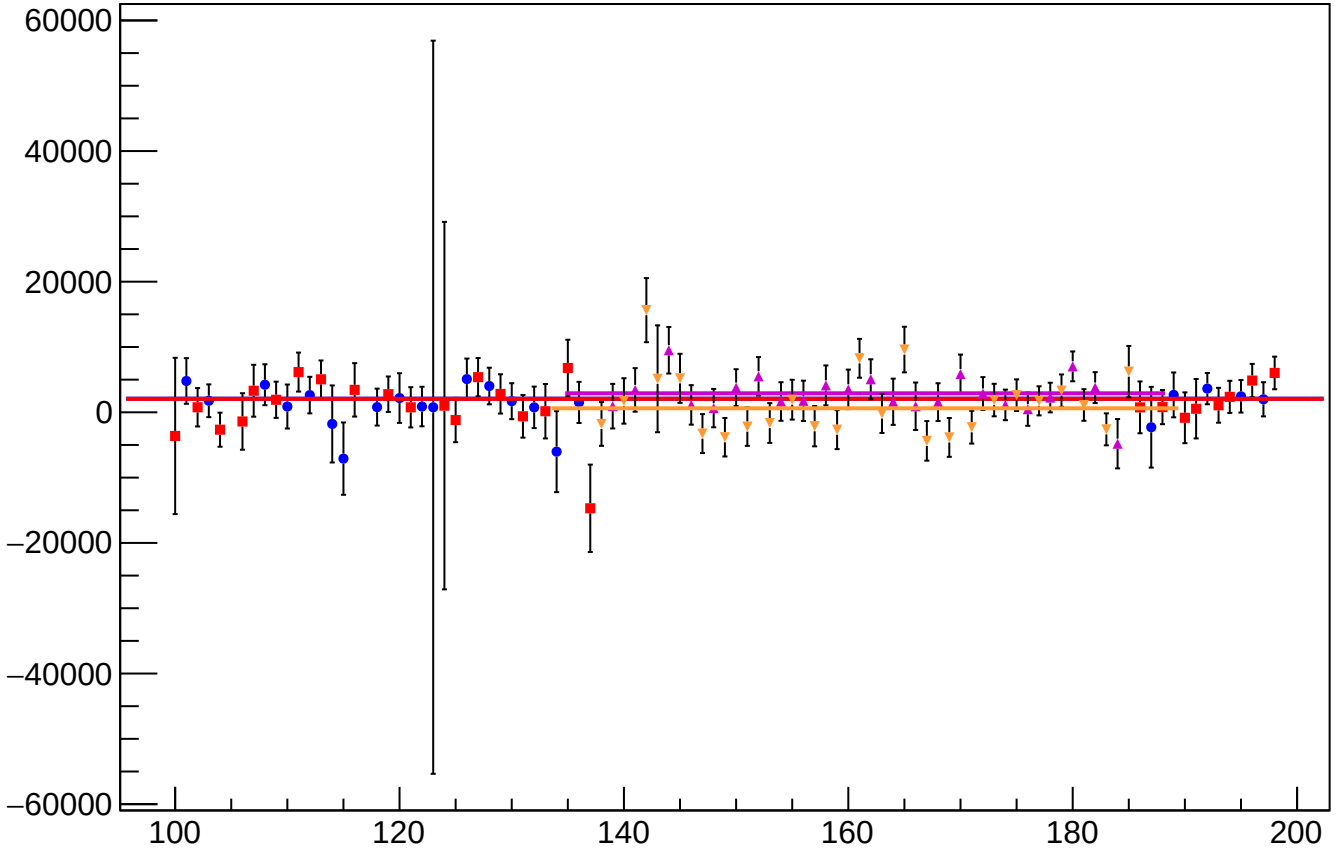
Right: 2803.601+/-0.435 χ^2/NDF: 1878196.1/48

In: 2615.784+/-0.359 χ^2/NDF:900195.5/44

Out: 2645.603+/-0.343 χ^2/NDF:1457333.6/51

All: 2631.350+/-0.248 χ^2/NDF: 2361140.2/96

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2087.685+/-689.548 χ^2/NDF: 9.1/21

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

Right Out: 2062.707+/-627.803 χ^2/NDF: 23.3/26

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

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

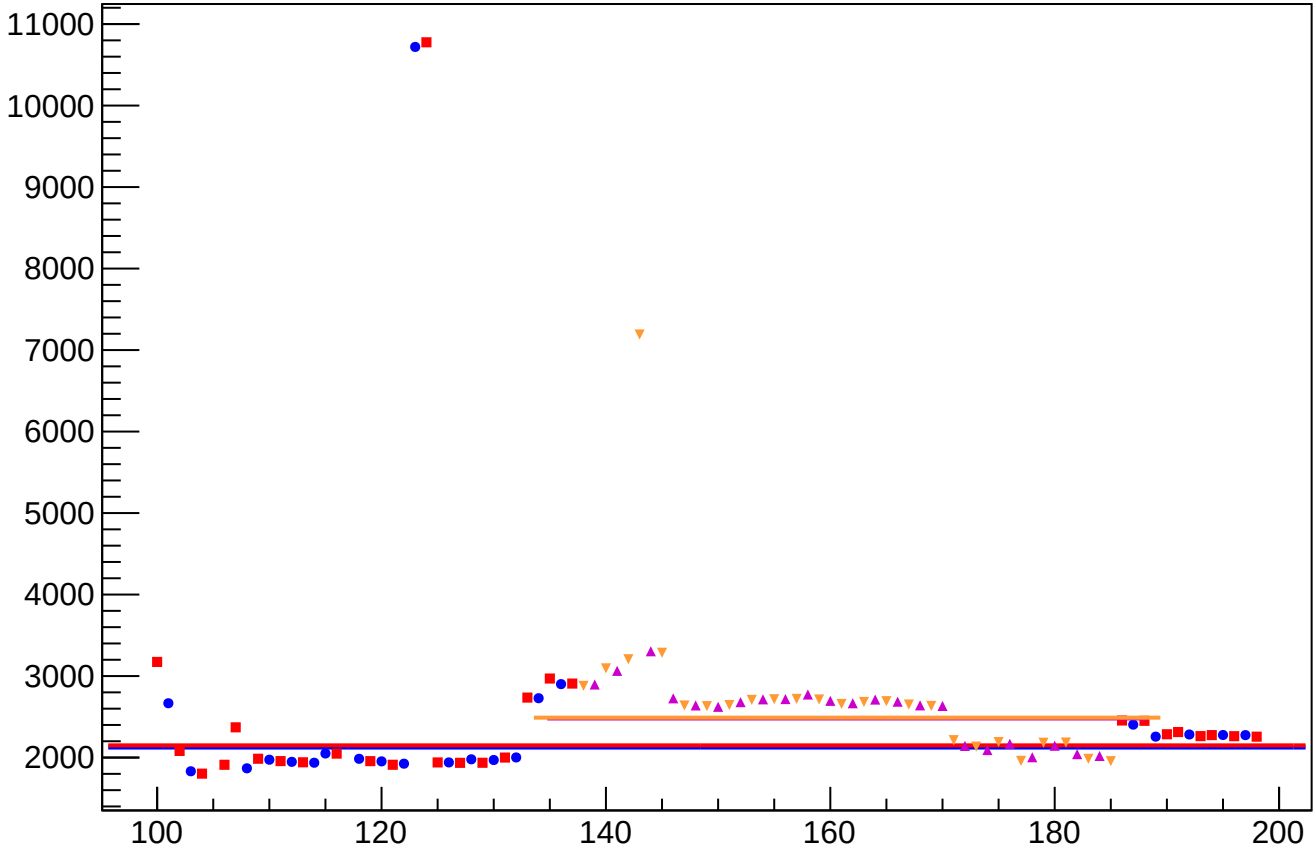
Right: 2074.028+/-464.221 χ^2/NDF: 32.4/48

In: 2555.383+/-452.495 χ^2/NDF:27.3/44

Out: 1295.288+/-430.380 χ^2/NDF:71.3/51

All: 1893.791+/-311.850 χ^2/NDF: 102.6/96

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2122.779+/-0.488 χ^2/NDF: 359811.9/21

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

Right Out: 2149.800+/-0.444 χ^2/NDF: 530274.4/26

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

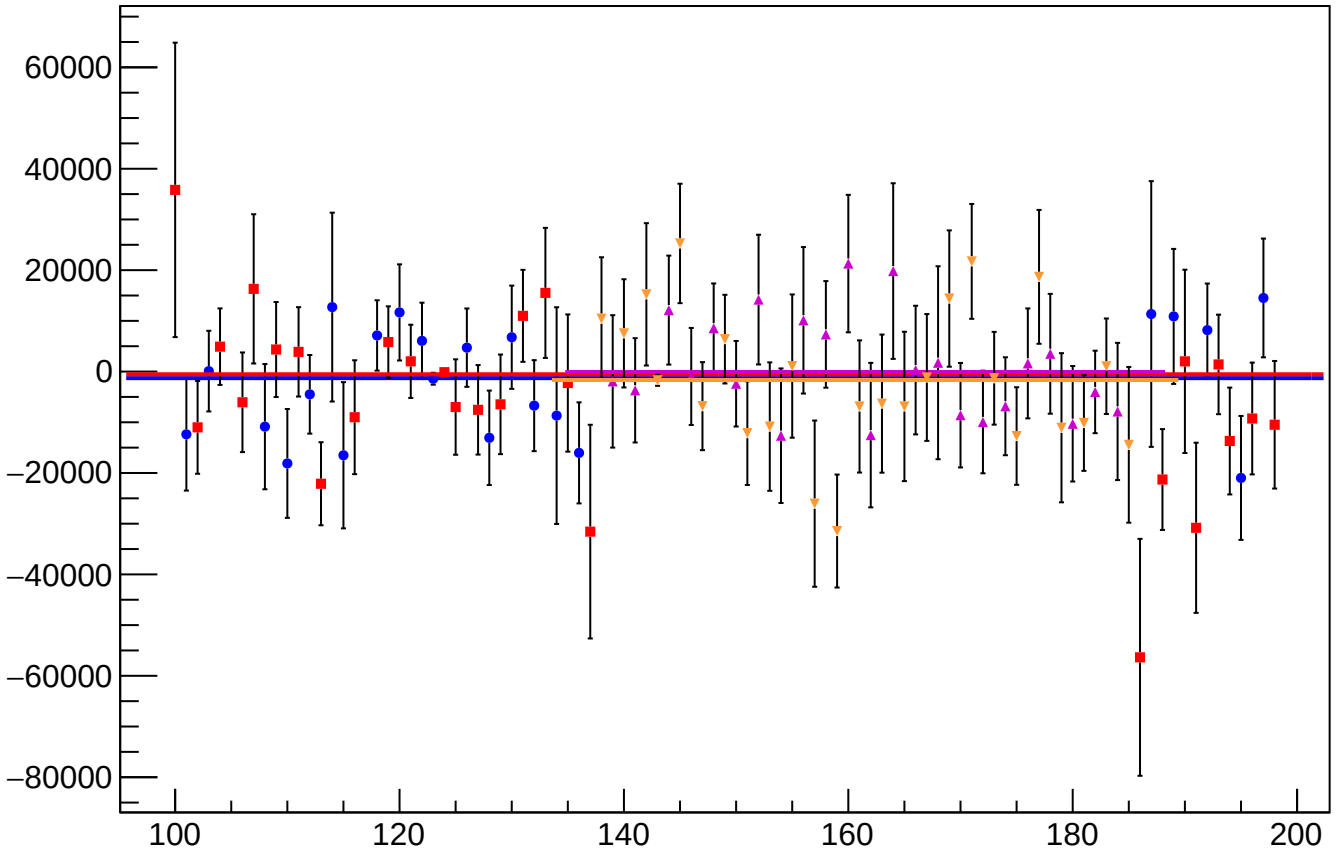
Left: 2484.536+/-0.298 χ^2/NDF: 2032896.6/47

Right: 2137.553+/-0.328 χ^2/NDF: 891765.5/48

In: 2325.801+/-0.320 χ^2/NDF:1332710.7/44

Out: 2329.896+/-0.304 χ^2/NDF:2204993.6/51

All: 2327.951+/-0.221 χ^2/NDF: 3537790.3/96



Right In: -1296.580+/-1035.851 χ^2/NDF: 22.3/21

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

Right Out: -531.876+/-686.678 χ^2/NDF: 37.4/26

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

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

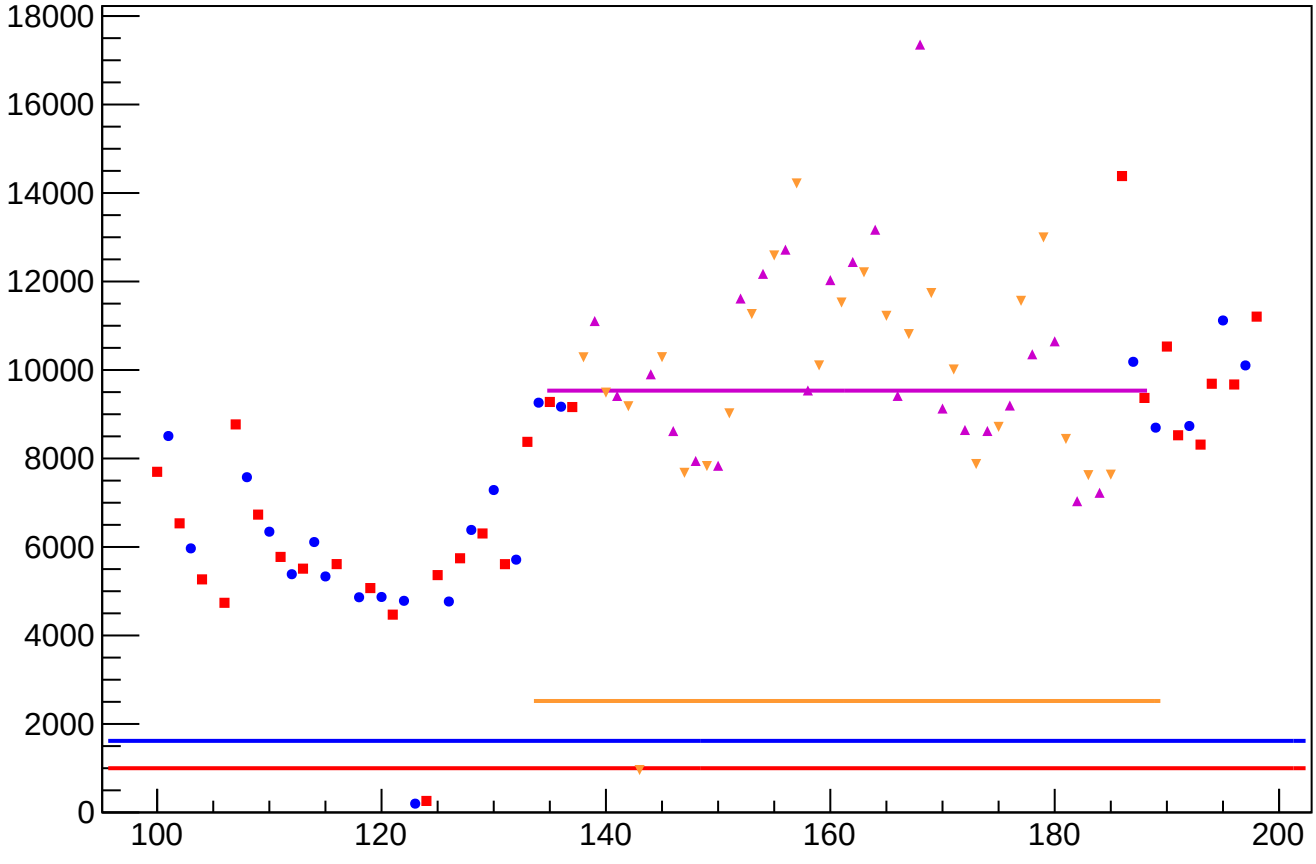
Right: -765.334+/-572.340 χ^2/NDF: 60.0/48

In: -1096.077+/-946.630 χ^2/NDF:36.3/44

Out: -898.547+/-564.801 χ^2/NDF:70.6/51

All: -950.404+/-485.029 χ^2/NDF: 107.0/96

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1617.864+/-0.732 χ^2/NDF: 14420741.9/21

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

Right Out: 999.854+/-0.486 χ^2/NDF: 19662990.0/26

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

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

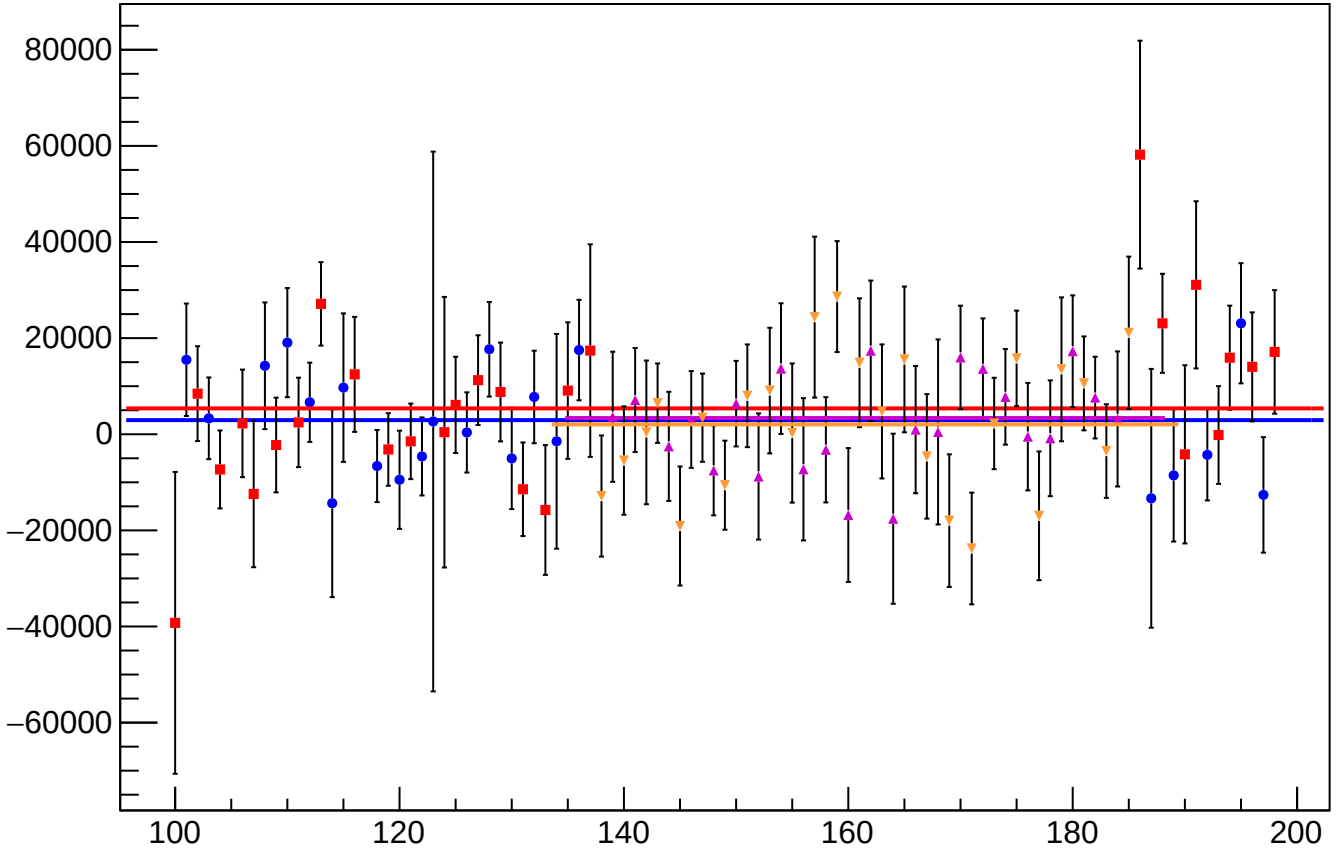
Right: 1188.527+/-0.405 χ^2/NDF: 34578304.2/48

In: 2922.735+/-0.669 χ^2/NDF:34990128.3/44

Out: 1491.374+/-0.399 χ^2/NDF:46472980.4/51

All: 1867.146+/-0.343 χ^2/NDF: 84835309.0/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2939.755+/-2320.594 χ^2/NDF: 20.1/21

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

Right Out: 5377.061+/-2135.839 χ^2/NDF: 34.7/26

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

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

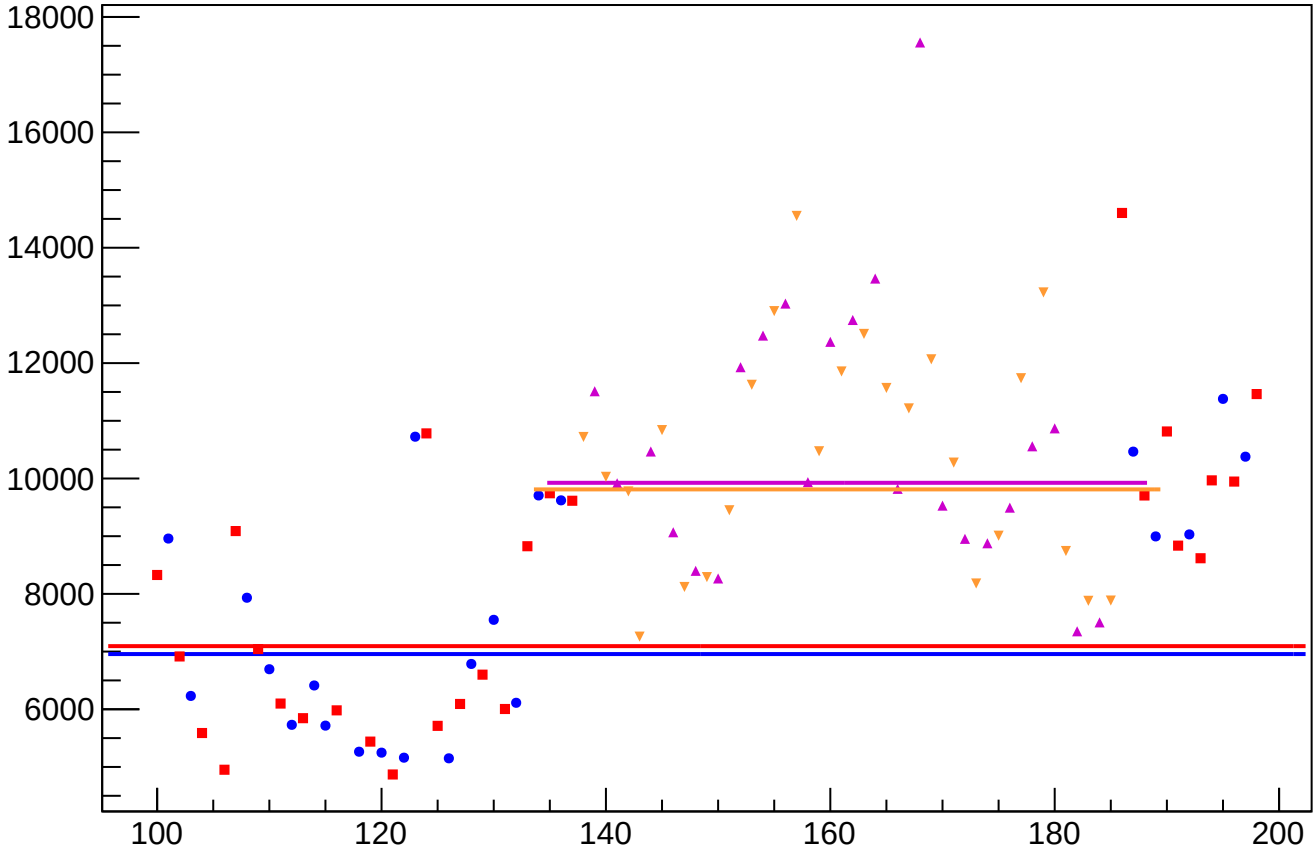
Right: 4259.281+/-1571.529 χ^2/NDF: 55.4/48

In: 3146.496+/-1676.022 χ^2/NDF:33.2/44

Out: 3863.094+/-1575.517 χ^2/NDF:66.6/51

All: 3526.924+/-1147.946 χ^2/NDF: 99.9/96

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6956.809+/-1.641 χ^2/NDF: 1270494.8/21

Left Out: 9811.053+/-1.650 χ^2/NDF:1213831.0/24

Right Out: 7094.219+/-1.510 χ^2/NDF: 1744567.7/26

Left In: 9925.337+/-1.713 χ^2/NDF:1211554.7/22

Left: 9866.039+/-1.189 χ^2/NDF: 2427693.8/47

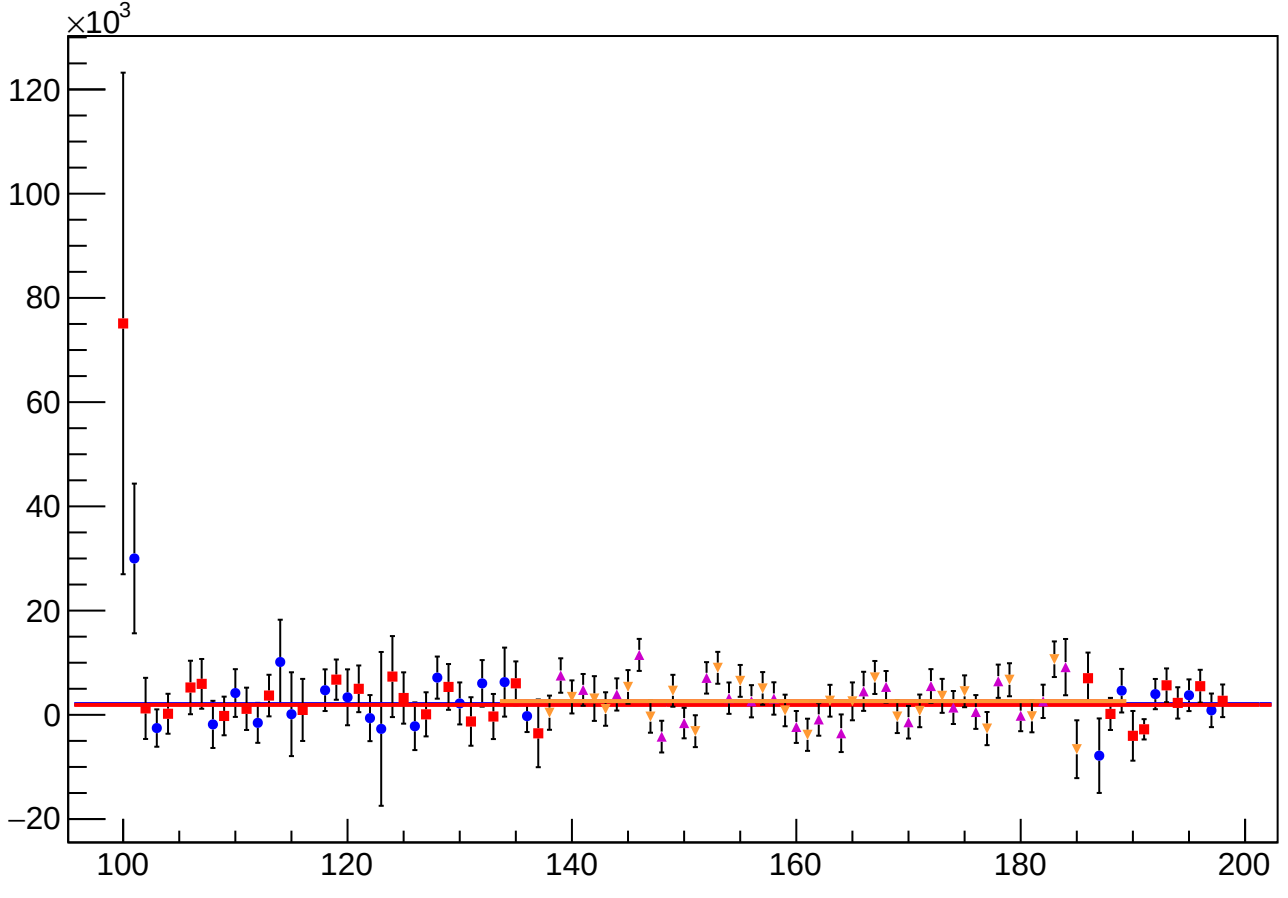
Right: 7031.203+/-1.111 χ^2/NDF: 3018859.0/48

In: 8376.864+/-1.185 χ^2/NDF:4047650.7/44

Out: 8332.671+/-1.114 χ^2/NDF:4433650.5/51

All: 8353.402+/-0.812 χ^2/NDF: 8482039.4/96

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2063.854+/-920.117 χ^2/NDF: 16.7/21

Left Out: 2635.833+/-646.121 χ^2/NDF:35.1/24

Right Out: 1906.940+/-760.416 χ^2/NDF: 21.5/26

Left In: 2638.607+/-664.569 χ^2/NDF:35.2/22

Left: 2637.181+/-463.261 χ^2/NDF: 70.3/47

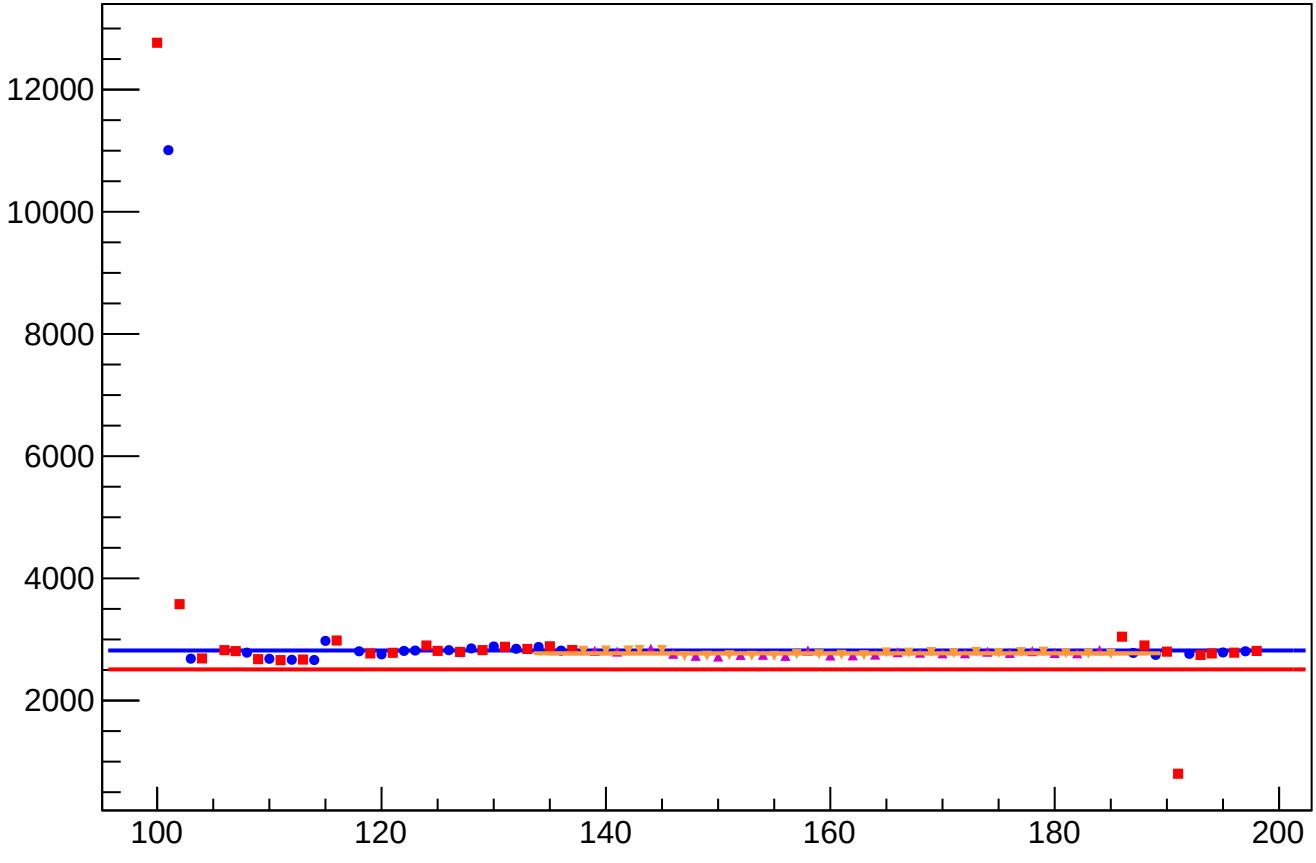
Right: 1970.619+/-586.152 χ^2/NDF: 38.2/48

In: 2441.567+/-538.741 χ^2/NDF:52.2/44

Out: 2330.228+/-492.379 χ^2/NDF:57.1/51

All: 2380.901+/-363.452 χ^2/NDF: 109.3/96

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2819.536+/-0.651 χ^2/NDF: 662448.5/21

Left Out: 2773.713+/-0.457 χ^2/NDF:4616.5/24

Right Out: 2510.015+/-0.538 χ^2/NDF: 1953530.6/26

Left In: 2774.036+/-0.470 χ^2/NDF:4985.3/22

Left: 2773.870+/-0.328 χ^2/NDF: 9602.0/47

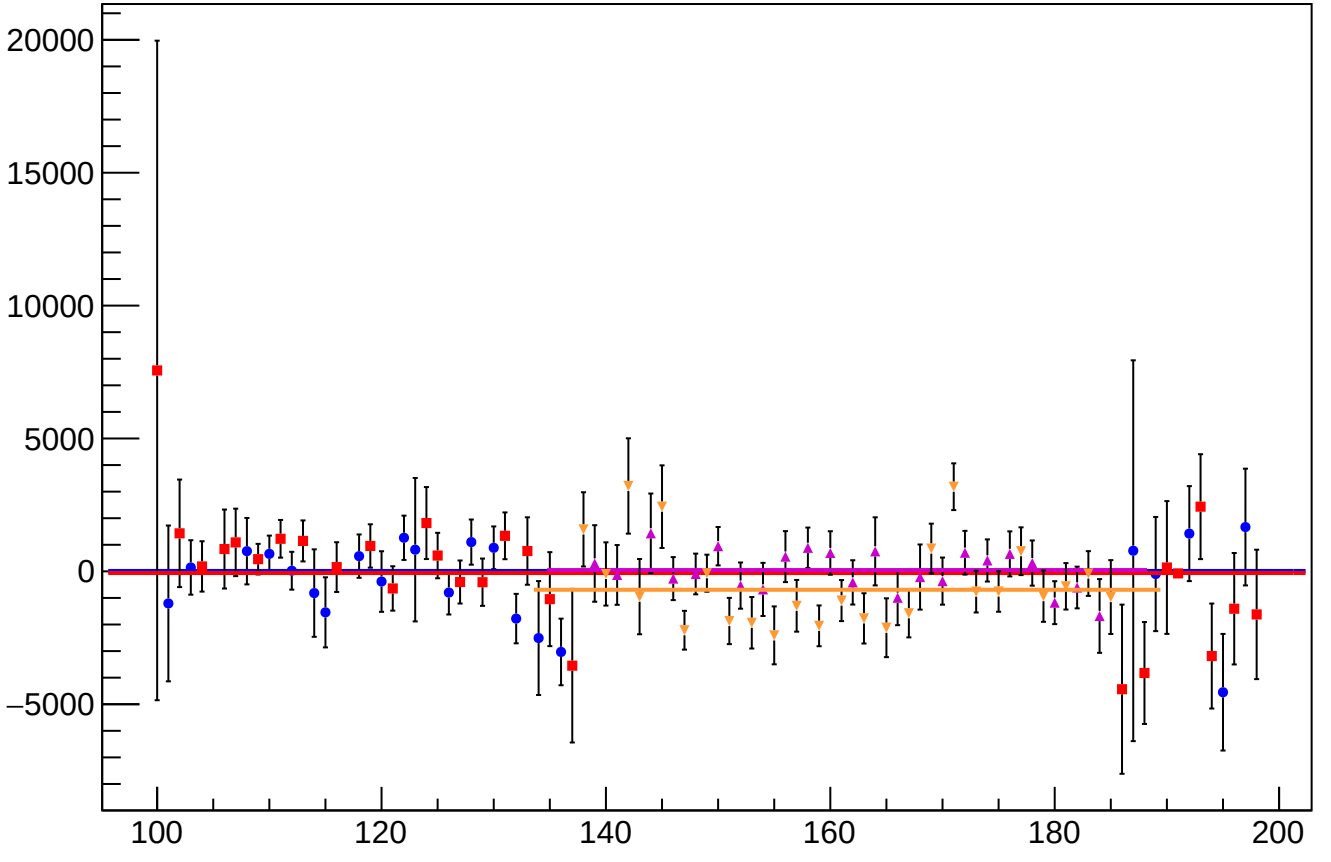
Right: 2635.625+/-0.414 χ^2/NDF: 2750454.4/48

In: 2789.635+/-0.381 χ^2/NDF:670647.8/44

Out: 2663.152+/-0.348 χ^2/NDF:2097820.7/51

All: 2720.718+/-0.257 χ^2/NDF: 2828534.5/96

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 15.380+/-235.863 χ^2/NDF: 26.3/21

Left Out: -692.808+/-187.297 χ^2/NDF:56.0/24

Right Out: -62.897+/-37.901 χ^2/NDF: 29.2/26

Left In: 49.244+/-189.190 χ^2/NDF:13.6/22

Left: -325.512+/-133.103 χ^2/NDF: 77.4/47

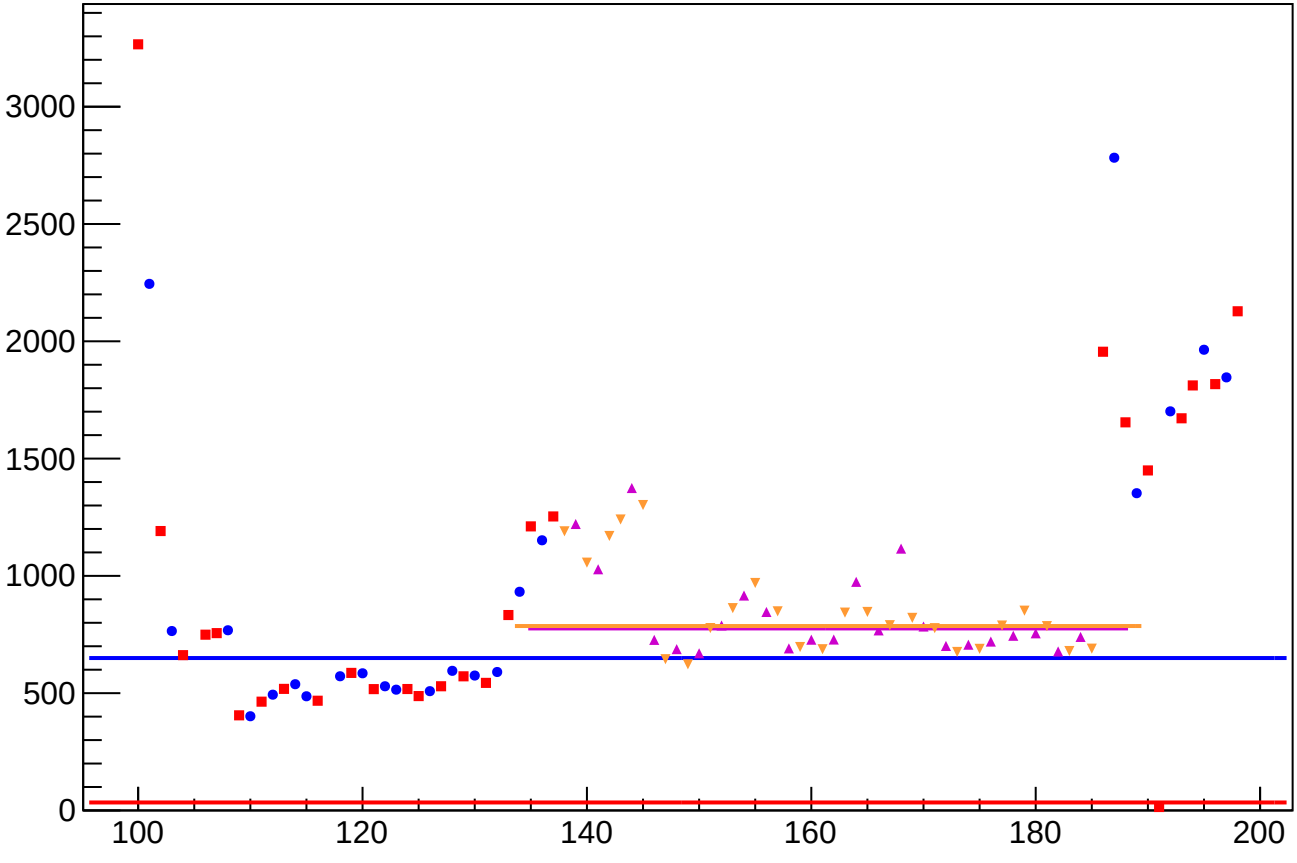
Right: -60.927+/-37.421 χ^2/NDF: 55.6/48

In: 35.986+/-147.580 χ^2/NDF:40.0/44

Out: -87.676+/-37.148 χ^2/NDF:96.1/51

All: -80.308+/-36.024 χ^2/NDF: 136.7/96

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 649.752+/-0.167 χ^2/NDF: 3946679.9/21

Left Out: 786.173+/-0.132 χ^2/NDF:1249536.1/24

Right Out: 34.045+/-0.027 χ^2/NDF: 21382842.9/26

Left In: 775.930+/-0.134 χ^2/NDF:1056766.5/22

Left: 781.103+/-0.094 χ^2/NDF: 2309263.4/47

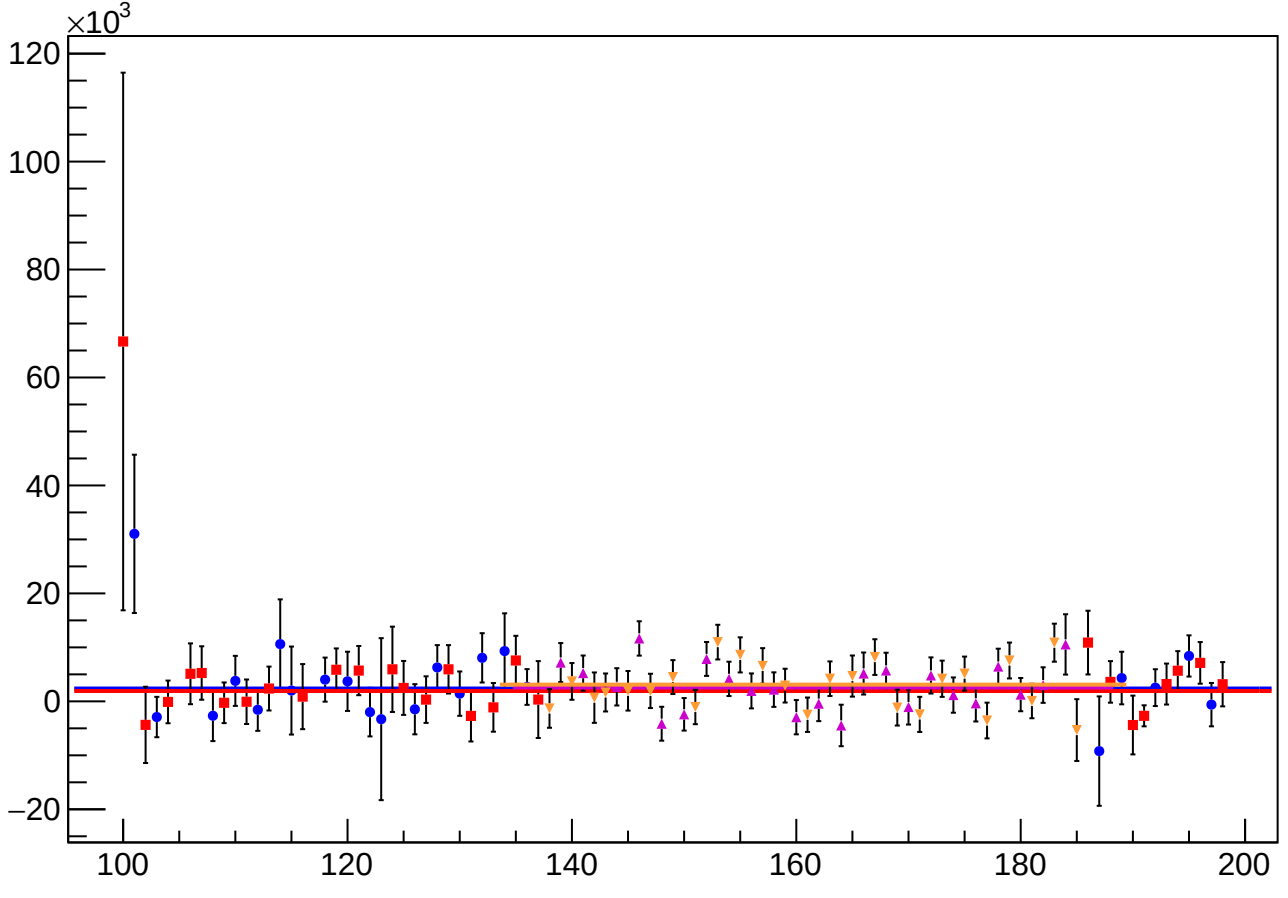
Right: 49.543+/-0.026 χ^2/NDF: 38615268.2/48

In: 726.531+/-0.104 χ^2/NDF:5351736.5/44

Out: 63.631+/-0.026 χ^2/NDF:53615254.3/51

All: 103.130+/-0.025 χ^2/NDF: 96915194.5/96

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2373.120+/-998.846 χ^2/NDF: 19.1/21

Left Out: 3094.826+/-678.510 χ^2/NDF:38.7/24

Right Out: 1919.259+/-824.161 χ^2/NDF: 22.5/26

Left In: 2573.184+/-695.795 χ^2/NDF:35.7/22

Left: 2840.565+/-485.775 χ^2/NDF: 74.6/47

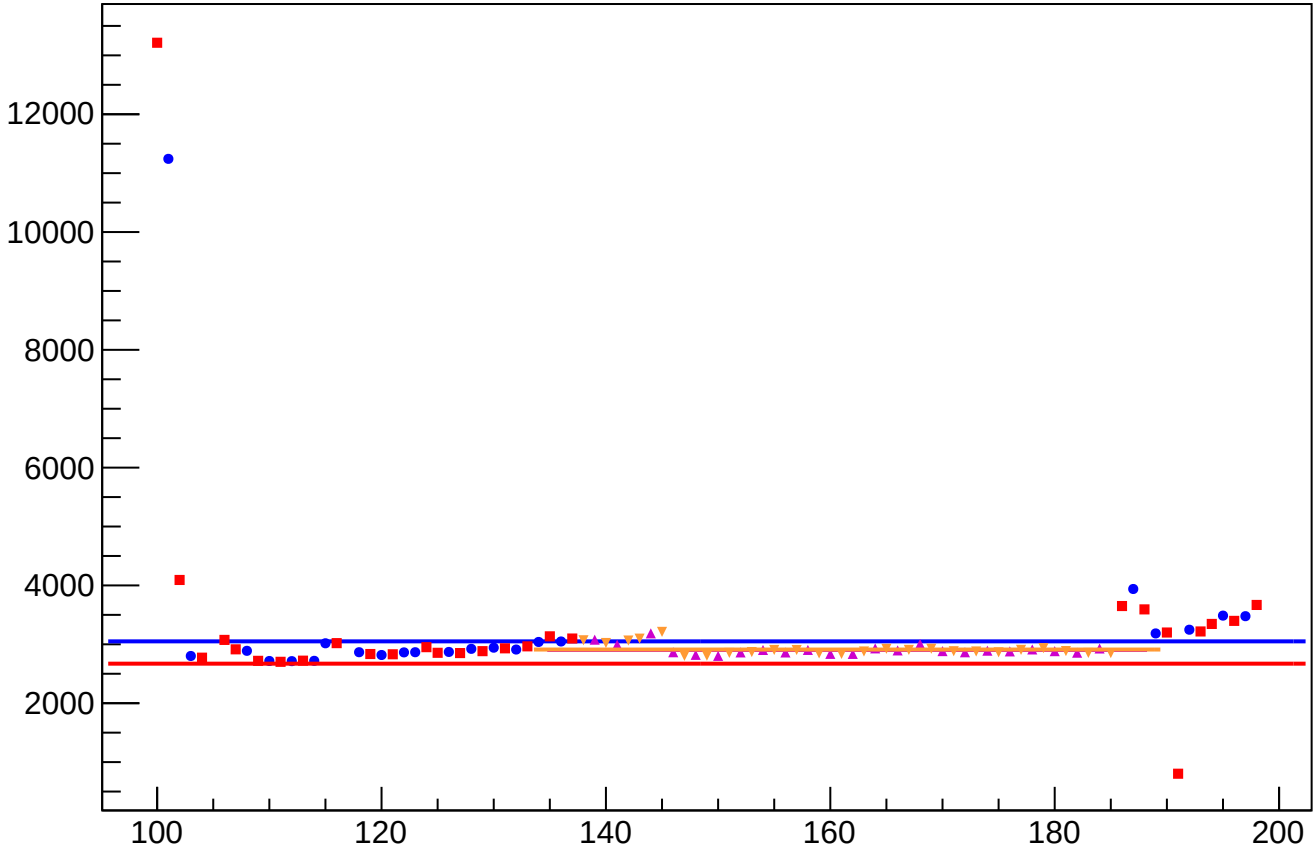
Right: 2103.095+/-635.700 χ^2/NDF: 41.7/48

In: 2507.821+/-570.928 χ^2/NDF:54.8/44

Out: 2619.927+/-523.828 χ^2/NDF:62.4/51

All: 2568.688+/-385.981 χ^2/NDF: 117.2/96

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3050.162+/-0.706 χ^2/NDF: 755578.1/21

Left Out: 2911.226+/-0.480 χ^2/NDF:36644.3/24

Right Out: 2671.349+/-0.583 χ^2/NDF: 2582915.1/26

Left In: 2903.411+/-0.492 χ^2/NDF:28838.5/22

Left: 2907.416+/-0.343 χ^2/NDF: 65612.1/47

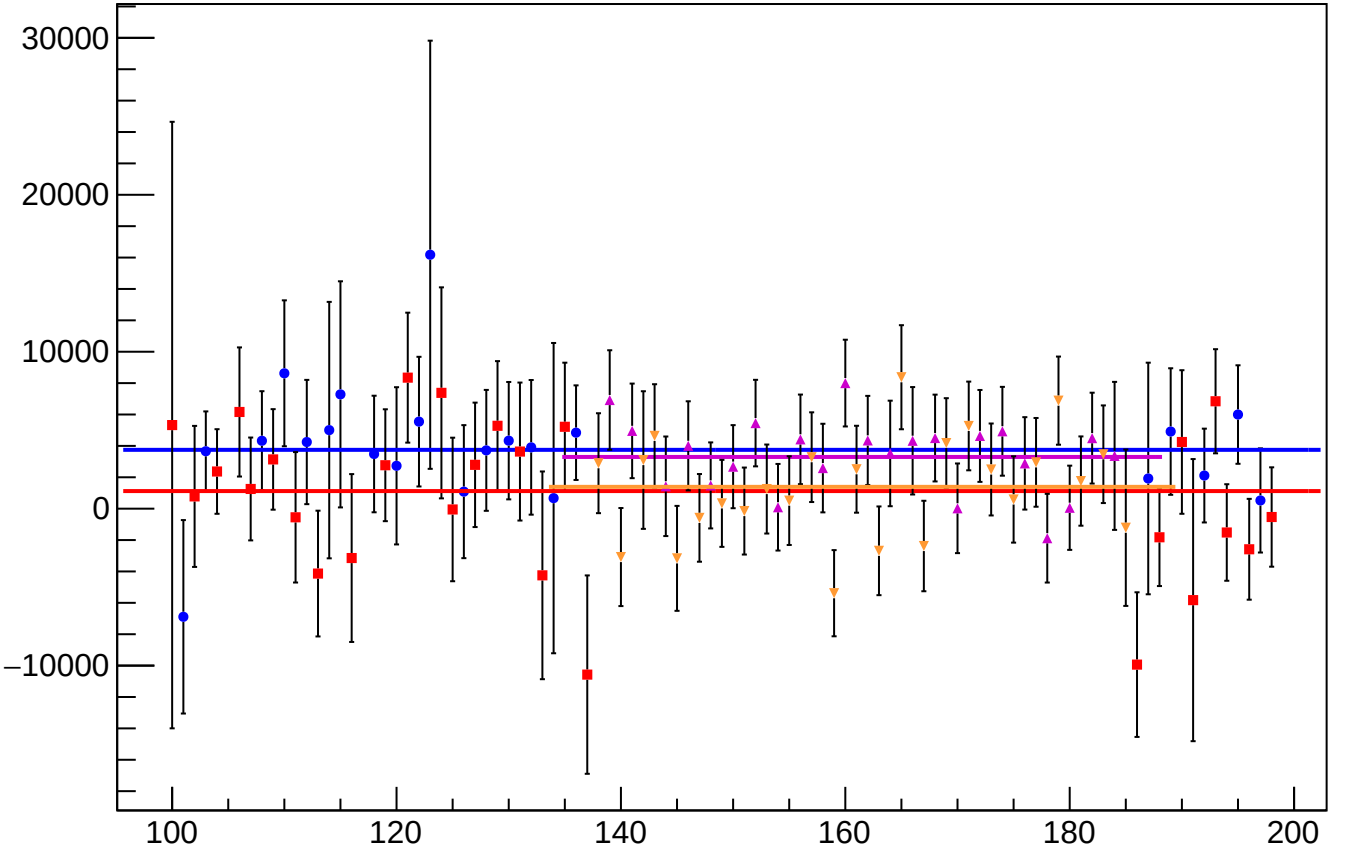
Right: 2824.787+/-0.450 χ^2/NDF: 3509638.4/48

In: 2951.356+/-0.404 χ^2/NDF:813483.5/44

Out: 2814.322+/-0.370 χ^2/NDF:2720542.5/51

All: 2876.954+/-0.273 χ^2/NDF: 3596584.0/96

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3748.424+/-858.784 χ^2/NDF: 8.0/21

Left Out: 1390.275+/-596.516 χ^2/NDF:29.2/24

Right Out: 1120.957+/-769.731 χ^2/NDF: 28.5/26

Left In: 3295.367+/-609.991 χ^2/NDF:14.9/22

Left: 2321.546+/-426.485 χ^2/NDF: 49.0/47

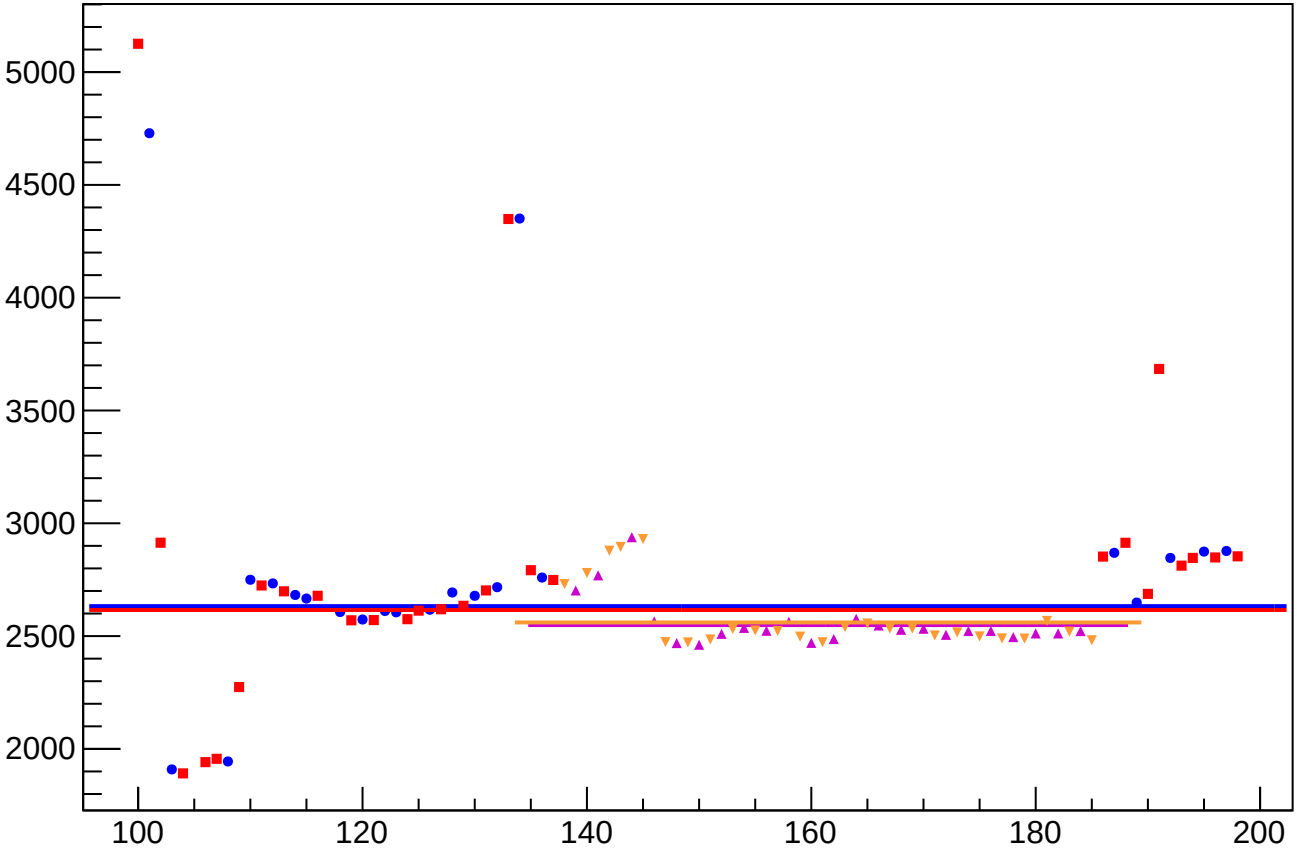
Right: 2291.438+/-573.189 χ^2/NDF: 41.7/48

In: 3447.293+/-497.307 χ^2/NDF:23.1/44

Out: 1289.220+/-471.503 χ^2/NDF:57.8/51

All: 2310.817+/-342.162 χ^2/NDF: 90.8/96

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.721+/-0.607 χ^2/NDF: 592702.8/21

Left Out: 2560.531+/-0.422 χ^2/NDF:86771.4/24

Right Out: 2615.739+/-0.544 χ^2/NDF: 582746.5/26

Left In: 2548.870+/-0.431 χ^2/NDF:55266.2/22

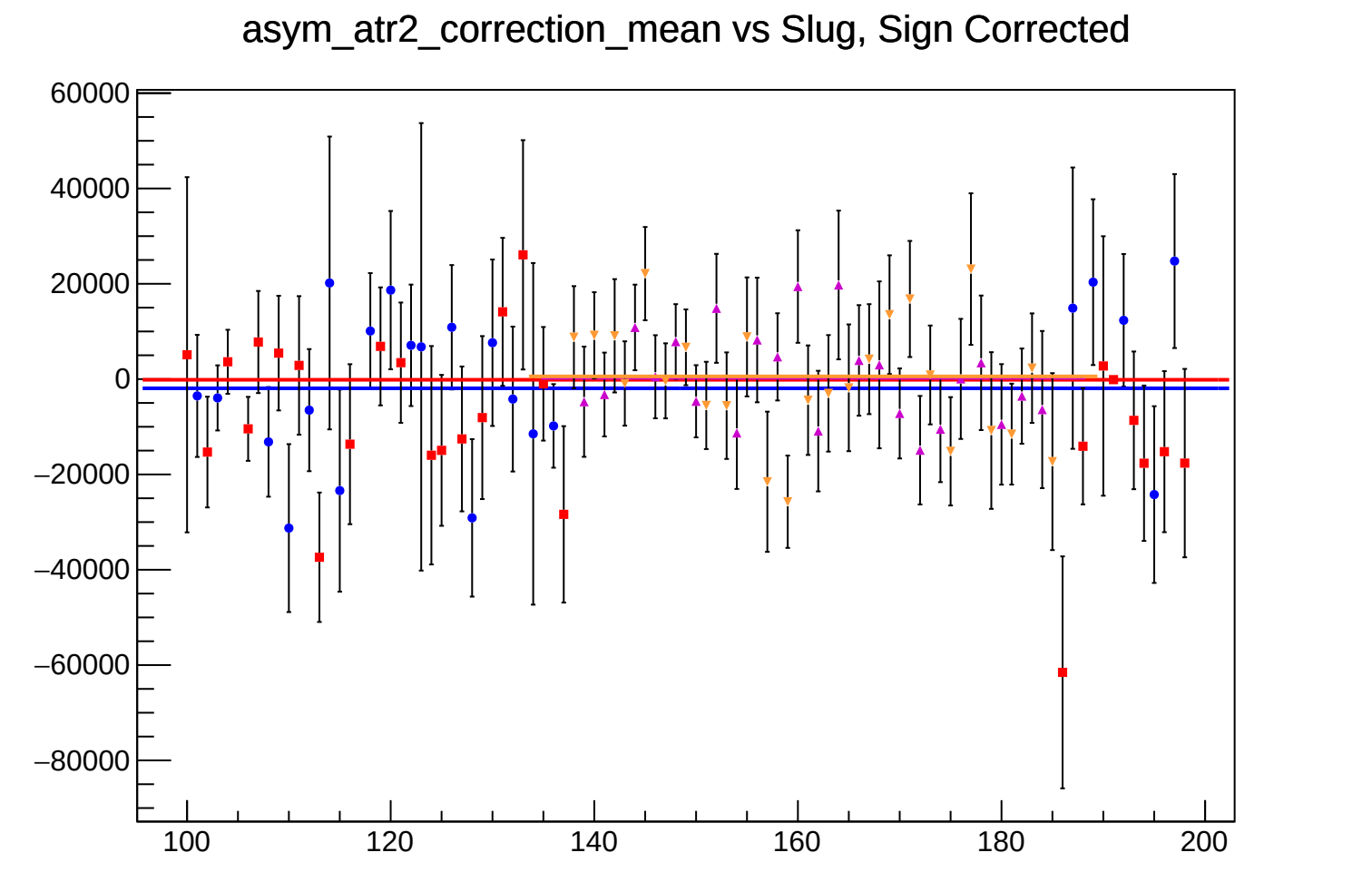
Left: 2554.831+/-0.302 χ^2/NDF: 142411.2/47

Right: 2623.304+/-0.405 χ^2/NDF: 1175882.9/48

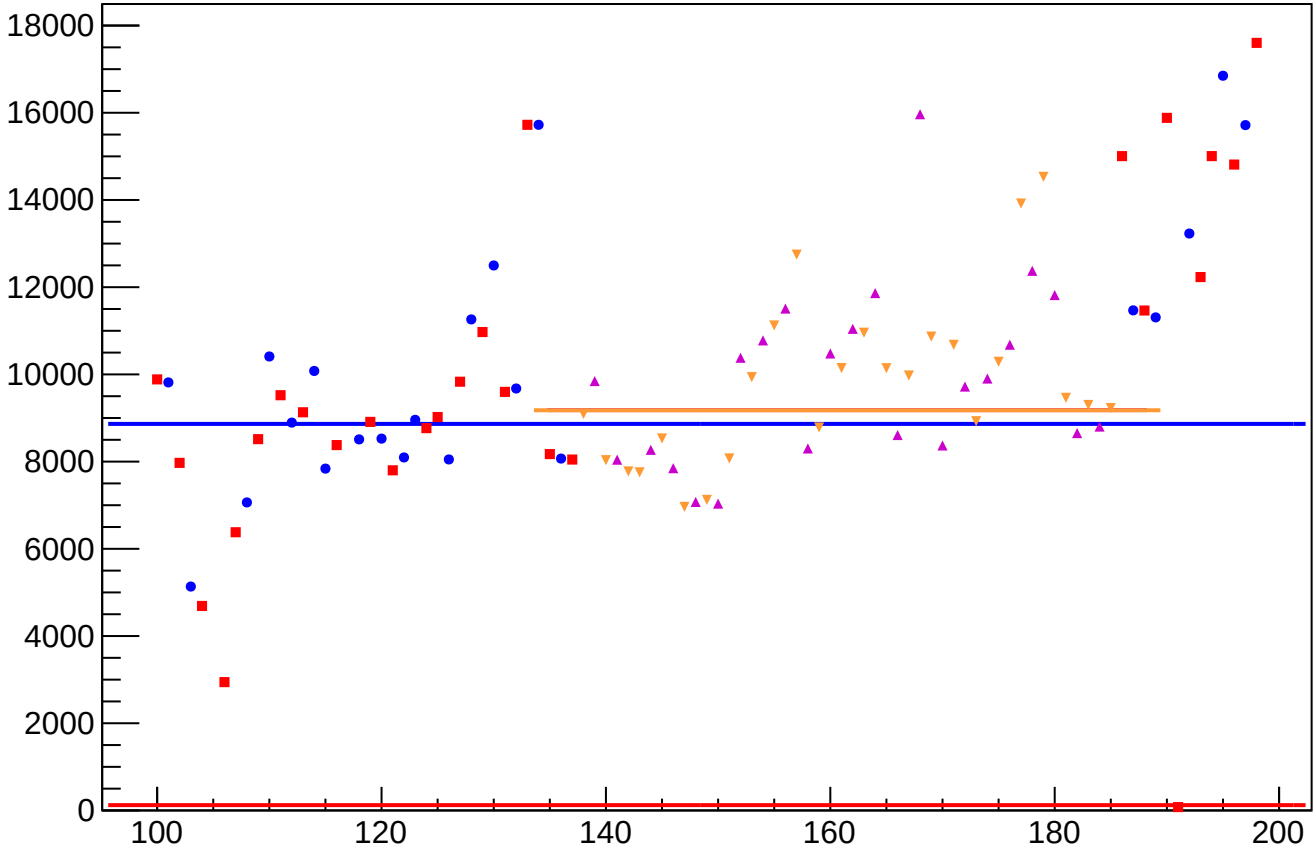
In: 2576.988+/-0.352 χ^2/NDF:660642.2/44

Out: 2581.247+/-0.333 χ^2/NDF:675946.0/51

All: 2579.231+/-0.242 χ^2/NDF: 1336665.4/96


asym_atr2_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1926.862+/-2999.589 χ²/NDF: 20.0/21
Left Out: 572.477+/-2184.376 χ²/NDF:28.2/24
Right Out: -139.937+/-195.004 χ²/NDF: 31.2/26
Left In: 275.116+/-2242.836 χ²/NDF:15.7/22
Left: 427.723+/-1564.847 χ²/NDF: 43.9/47
Right: -147.457+/-194.593 χ²/NDF: 51.5/48
In: -514.502+/-1796.238 χ²/NDF:36.1/44
Out: -134.304+/-194.232 χ²/NDF:59.5/51
All: -138.698+/-193.106 χ²/NDF: 95.6/96

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8864.864+/-2.121 χ^2/NDF: 1825787.6/21

Left Out: 9177.688+/-1.545 χ^2/NDF:1176195.8/24

Right Out: 122.172+/-0.138 χ^2/NDF: 22742330.4/26

Left In: 9181.254+/-1.586 χ^2/NDF:1236469.7/22

Left: 9179.424+/-1.107 χ^2/NDF: 2412668.1/47

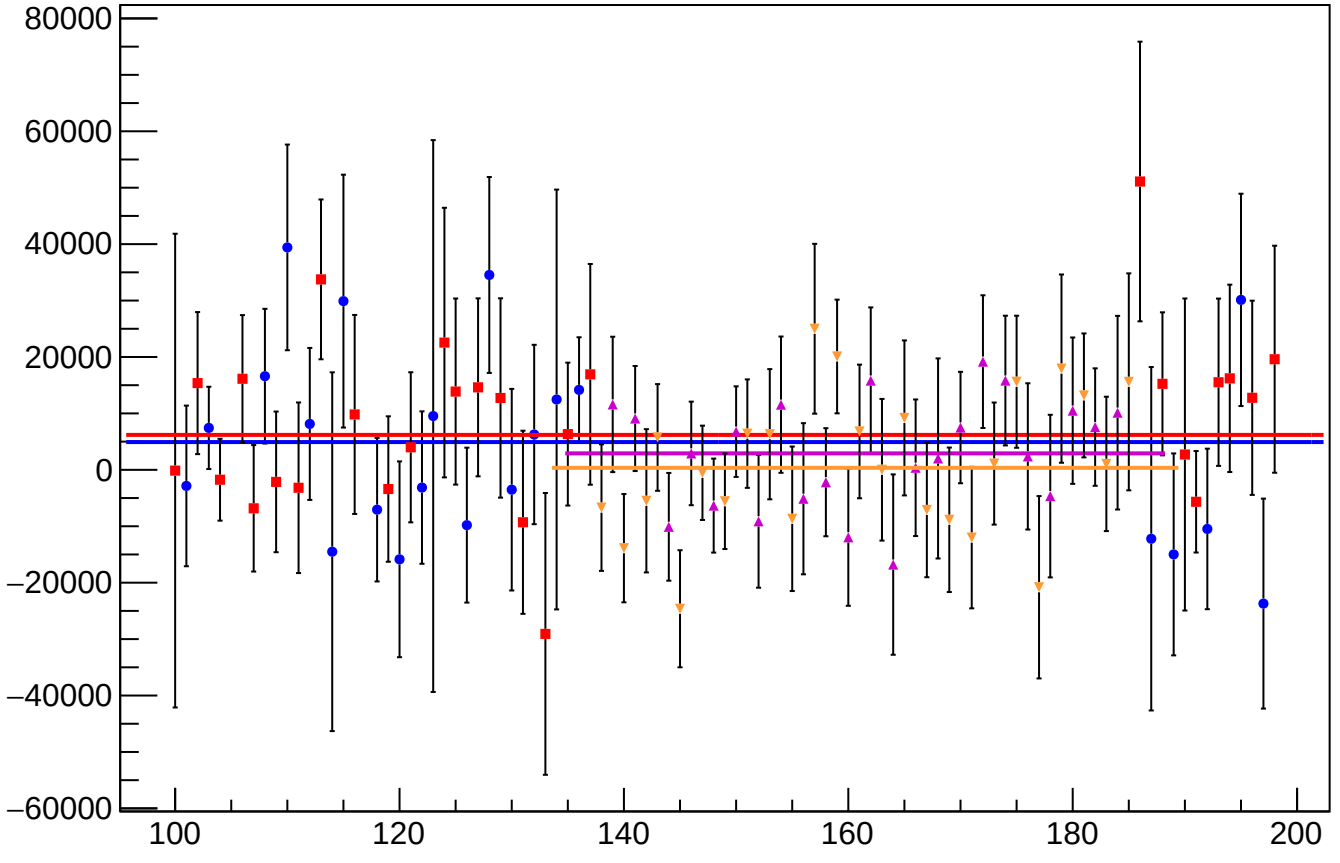
Right: 158.966+/-0.138 χ^2/NDF: 41486748.8/48

In: 9067.798+/-1.270 χ^2/NDF:3076529.3/44

Out: 193.770+/-0.137 χ^2/NDF:58018509.6/51

All: 296.331+/-0.137 χ^2/NDF: 109344837.9/9

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4921.382+/-3154.883 χ^2/NDF: 21.5/21

Left Out: 355.717+/-2281.682 χ^2/NDF:26.2/24

Right Out: 6191.988+/-2723.013 χ^2/NDF: 20.3/26

Left In: 2918.356+/-2338.461 χ^2/NDF:14.9/22

Left: 1605.548+/-1633.097 χ^2/NDF: 41.8/47

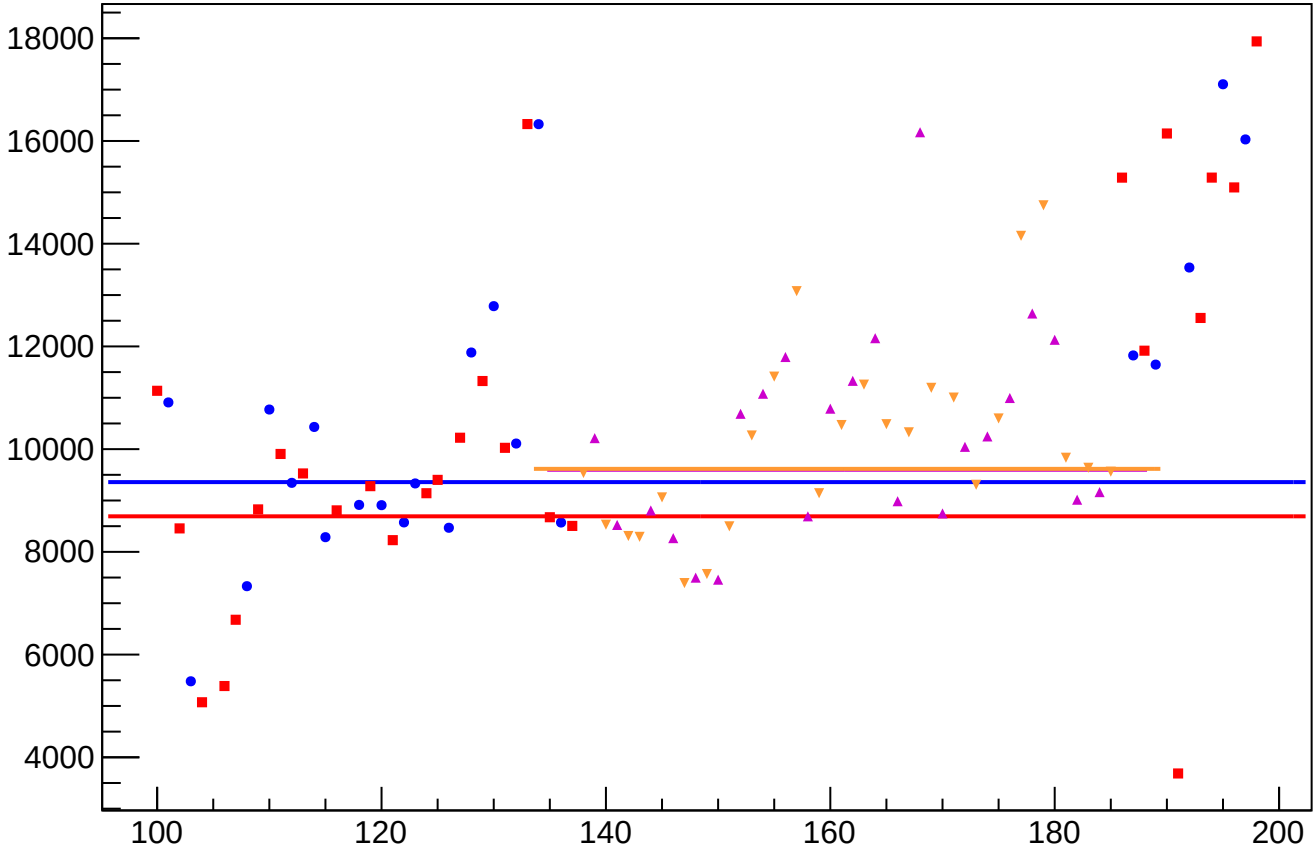
Right: 5649.540+/-2061.375 χ^2/NDF: 41.9/48

In: 3628.612+/-1878.657 χ^2/NDF:36.7/44

Out: 2763.162+/-1748.881 χ^2/NDF:49.3/51

All: 3164.965+/-1280.068 χ^2/NDF: 86.1/96

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9358.257+/-2.231 χ^2/NDF: 1704194.7/21

Left Out: 9616.245+/-1.613 χ^2/NDF:1011665.6/24

Right Out: 8692.007+/-1.925 χ^2/NDF: 3224897.0/26

Left In: 9598.531+/-1.654 χ^2/NDF:1082171.6/22

Left: 9607.606+/-1.155 χ^2/NDF: 2093896.0/47

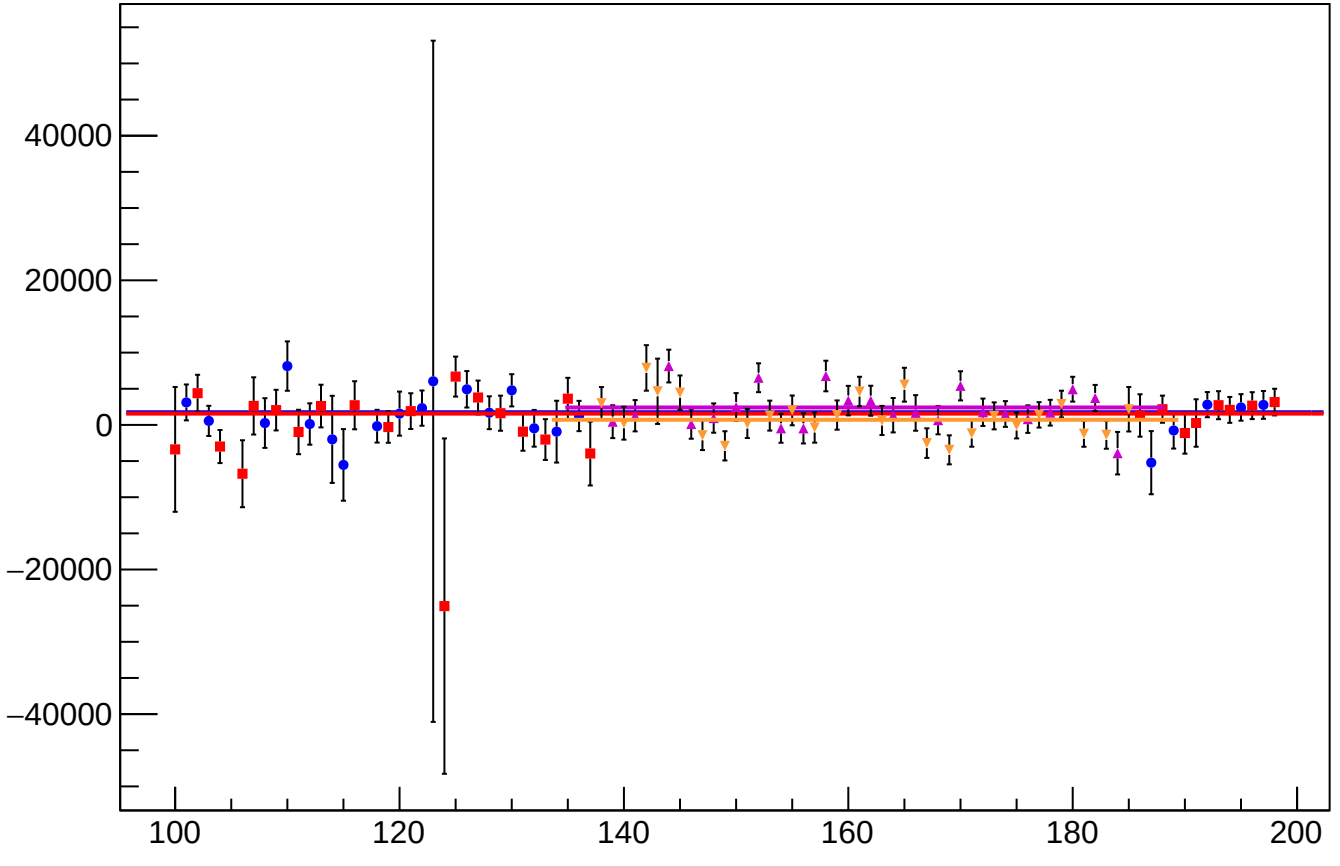
Right: 8976.431+/-1.458 χ^2/NDF: 4980208.7/48

In: 9513.332+/-1.328 χ^2/NDF:2793853.4/44

Out: 9234.984+/-1.237 χ^2/NDF:4371934.0/51

All: 9364.210+/-0.905 χ^2/NDF: 7189308.7/96

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1754.767+/-548.672 χ^2/NDF: 17.0/21

Left Out: 709.722+/-417.377 χ^2/NDF:34.8/24

Right Out: 1563.254+/-500.957 χ^2/NDF: 23.5/26

Left In: 2414.749+/-423.472 χ^2/NDF:34.0/22

Left: 1549.879+/-297.262 χ^2/NDF: 77.0/47

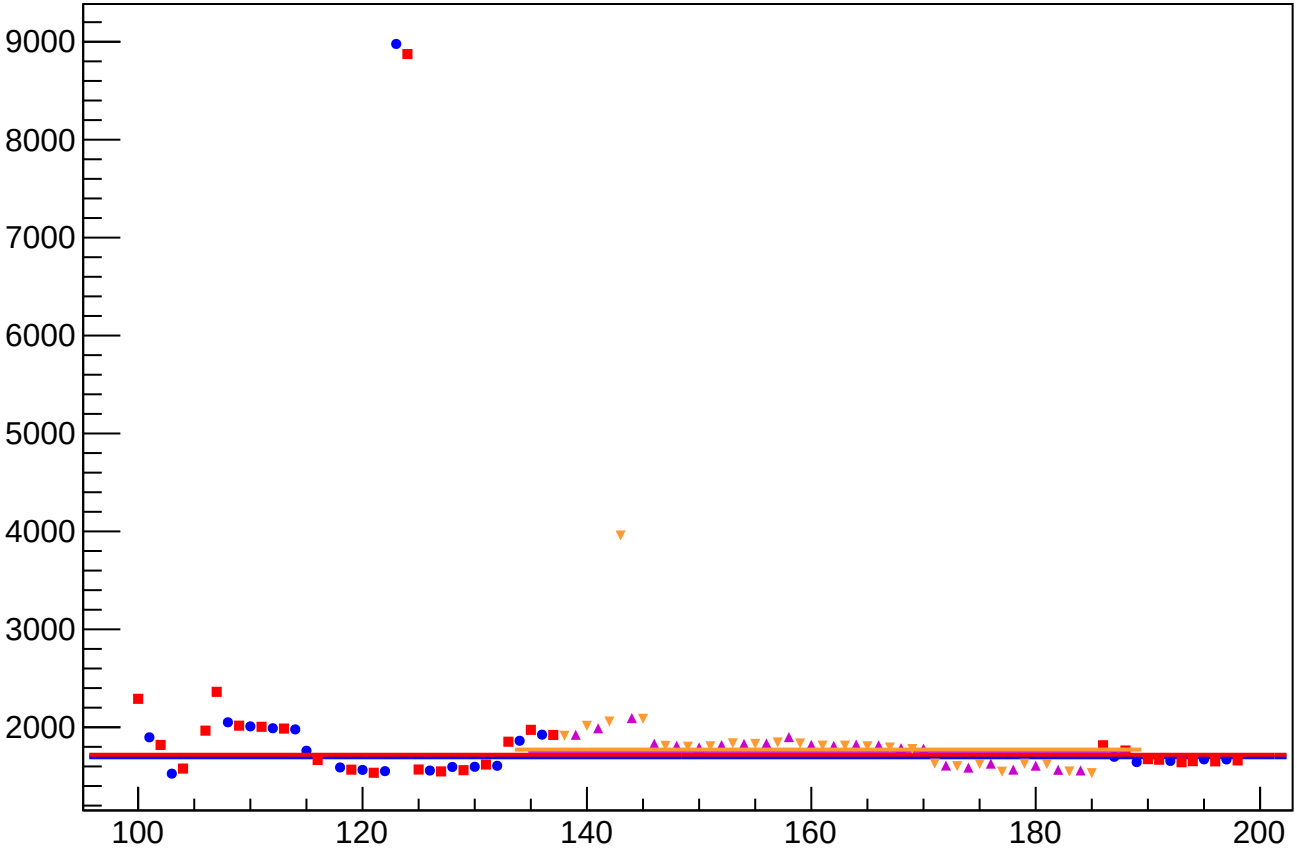
Right: 1650.322+/-369.951 χ^2/NDF: 40.5/48

In: 2168.369+/-335.235 χ^2/NDF:51.9/44

Out: 1059.445+/-320.665 χ^2/NDF:60.0/51

All: 1589.286+/-231.724 χ^2/NDF: 117.6/96

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1693.550+/-0.388 χ^2/NDF: 198984.5/21

Left Out: 1772.046+/-0.295 χ^2/NDF:702472.4/24

Right Out: 1719.345+/-0.353 χ^2/NDF: 414626.7/26

Left In: 1759.600+/-0.299 χ^2/NDF:214891.5/22

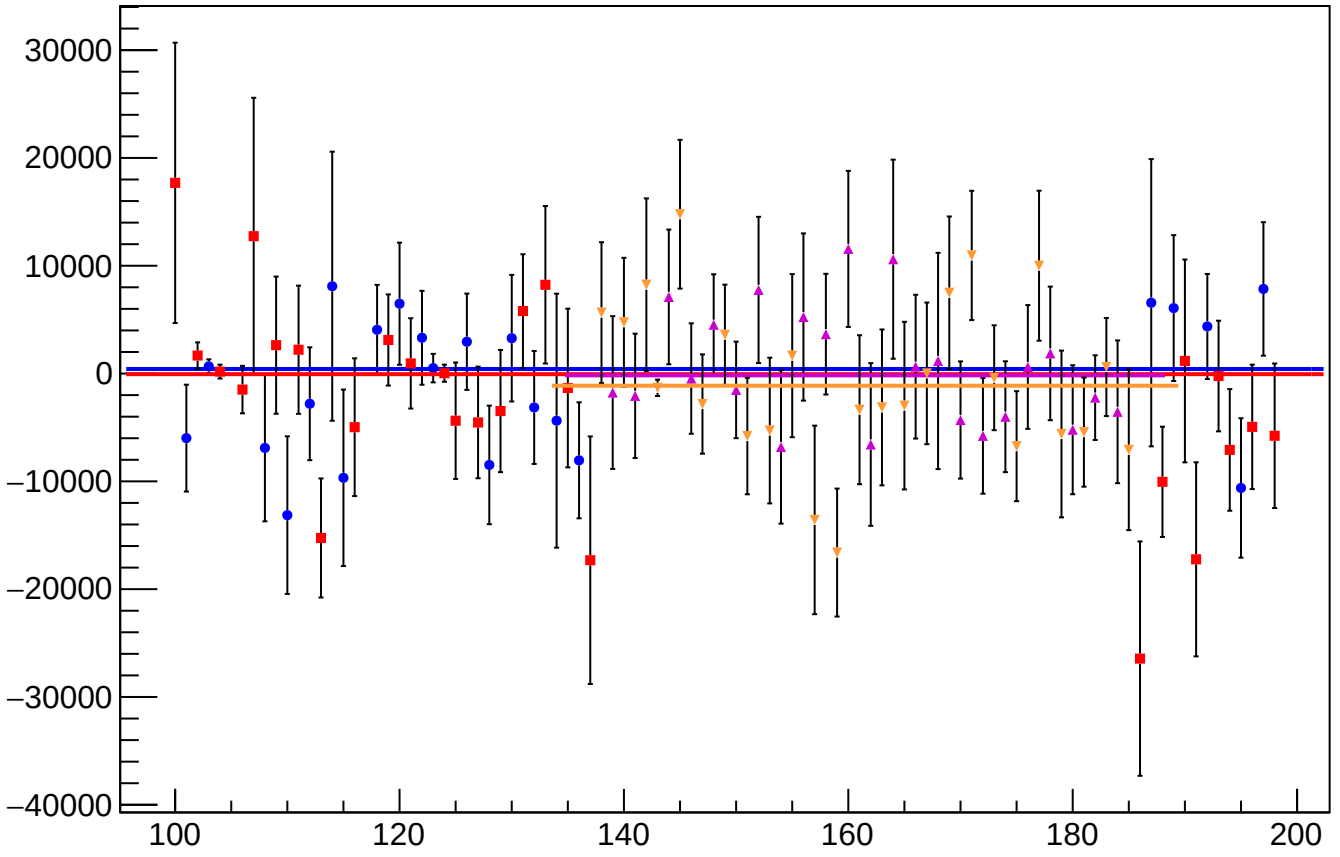
Left: 1765.913+/-0.210 χ^2/NDF: 918240.2/47

Right: 1707.649+/-0.261 χ^2/NDF: 616027.4/48

In: 1734.942+/-0.237 χ^2/NDF:432039.3/44

Out: 1750.389+/-0.227 χ^2/NDF:1130202.7/51

All: 1743.016+/-0.164 χ^2/NDF: 1564461.4/96



Right In: 424.847+/-531.451 χ^2/NDF: 23.2/21

Left Out: -1129.807+/-647.600 χ^2/NDF:31.5/24

Right Out: -57.118+/-426.048 χ^2/NDF: 37.5/26

Left In: -168.182+/-1232.411 χ^2/NDF:14.2/22

Left: -921.734+/-573.272 χ^2/NDF: 46.1/47

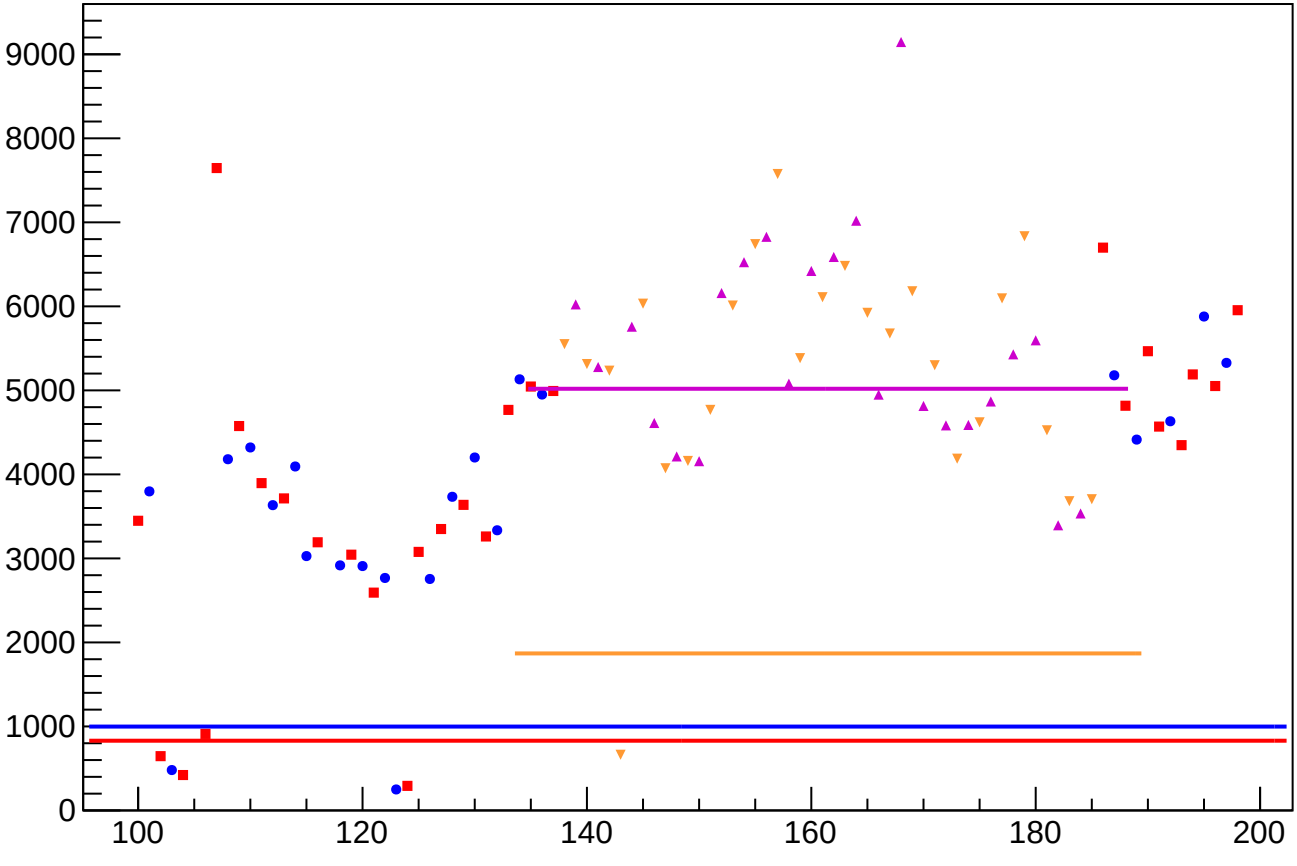
Right: 131.444+/-332.417 χ^2/NDF: 61.2/48

In: 331.860+/-488.009 χ^2/NDF:37.6/44

Out: -381.149+/-355.929 χ^2/NDF:70.9/51

All: -133.566+/-287.568 χ^2/NDF: 109.9/96

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 998.408+/-0.376 χ^2/NDF: 12198997.2/21

Left Out: 1868.983+/-0.458 χ^2/NDF:19852416.6/24

Right Out: 830.092+/-0.301 χ^2/NDF: 15608498.9/26

Left In: 5019.114+/-0.871 χ^2/NDF:1569031.9/22

Left: 2550.597+/-0.405 χ^2/NDF: 31661059.7/47

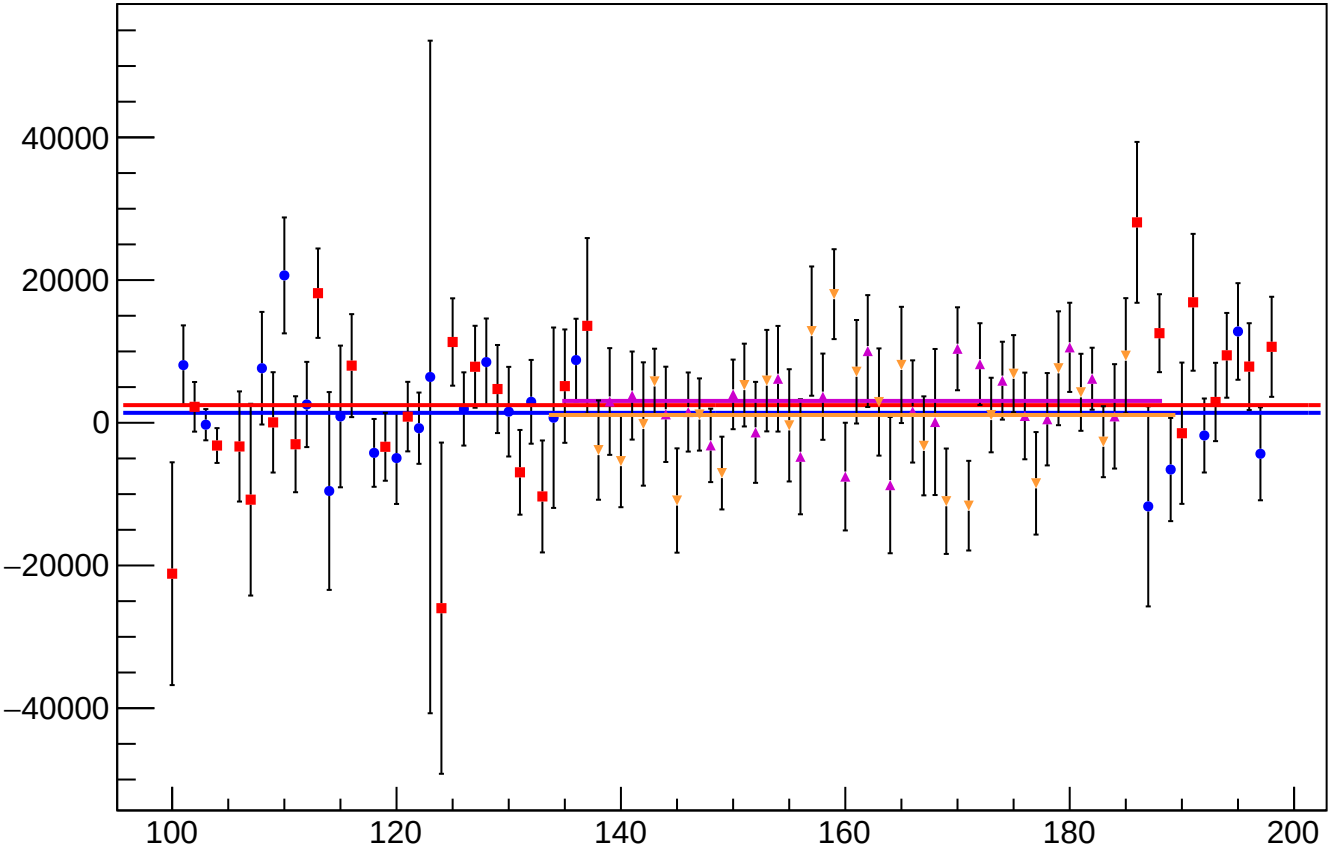
Right: 895.943+/-0.235 χ^2/NDF: 27929620.4/48

In: 1628.853+/-0.345 χ^2/NDF:31717602.8/44

Out: 1143.914+/-0.252 χ^2/NDF:39053161.8/51

All: 1312.303+/-0.203 χ^2/NDF: 72059914.7/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1393.498+/-1206.848 χ^2/NDF: 20.6/21

Left Out: 1094.317+/-1273.113 χ^2/NDF:32.0/24

Right Out: 2473.314+/-1136.807 χ^2/NDF: 43.7/26

Left In: 3064.775+/-1318.173 χ^2/NDF:12.6/22

Left: 2045.291+/-915.742 χ^2/NDF: 45.7/47

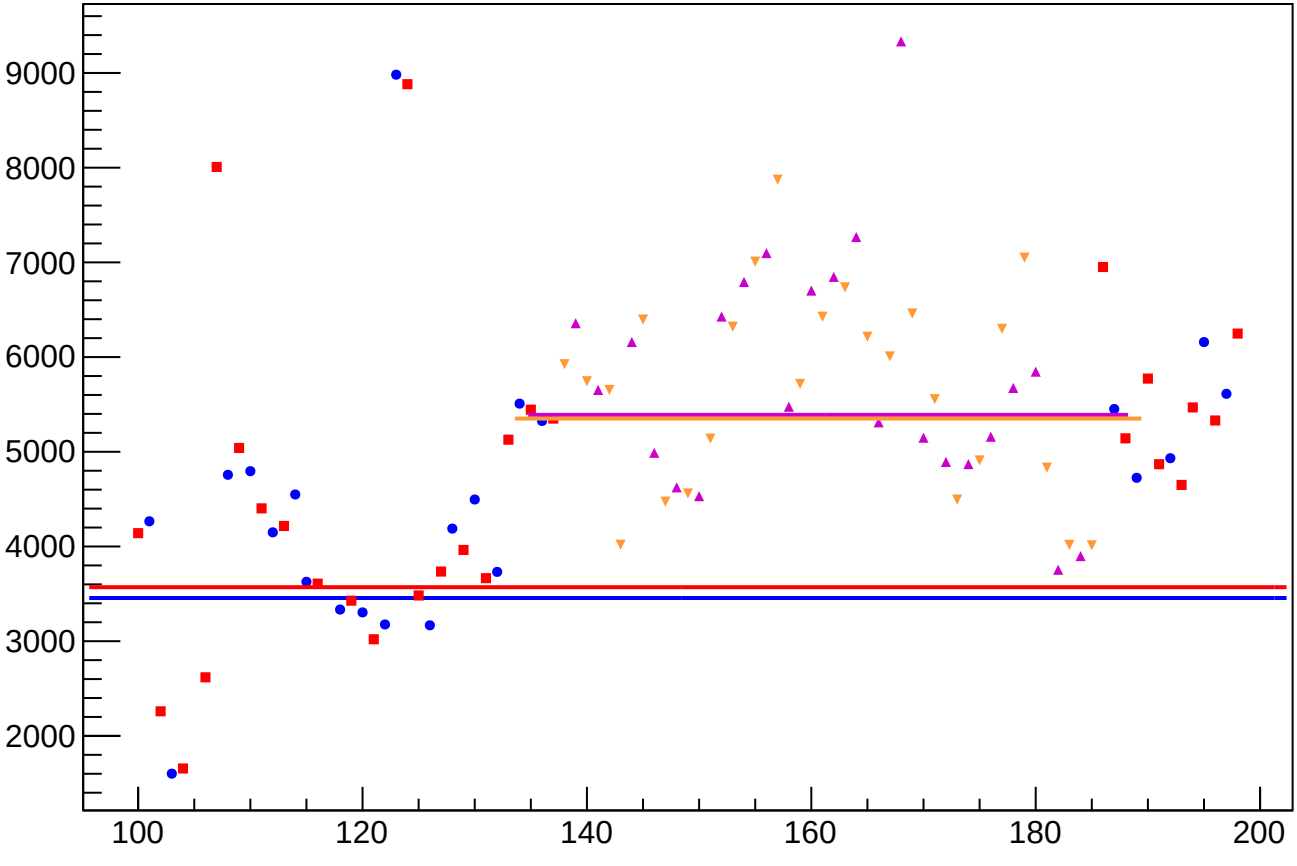
Right: 1965.648+/-827.498 χ^2/NDF: 64.8/48

In: 2155.595+/-890.130 χ^2/NDF:34.1/44

Out: 1861.563+/-847.954 χ^2/NDF:76.3/51

All: 2001.448+/-613.963 χ^2/NDF: 110.5/96

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3455.937+/-0.853 χ^2/NDF: 2821261.9/21

Left Out: 5350.804+/-0.900 χ^2/NDF:1241497.9/24

Right Out: 3570.260+/-0.795 χ^2/NDF: 3534319.0/26

Left In: 5389.724+/-0.932 χ^2/NDF:1309863.0/22

Left: 5369.587+/-0.648 χ^2/NDF: 2552263.0/47

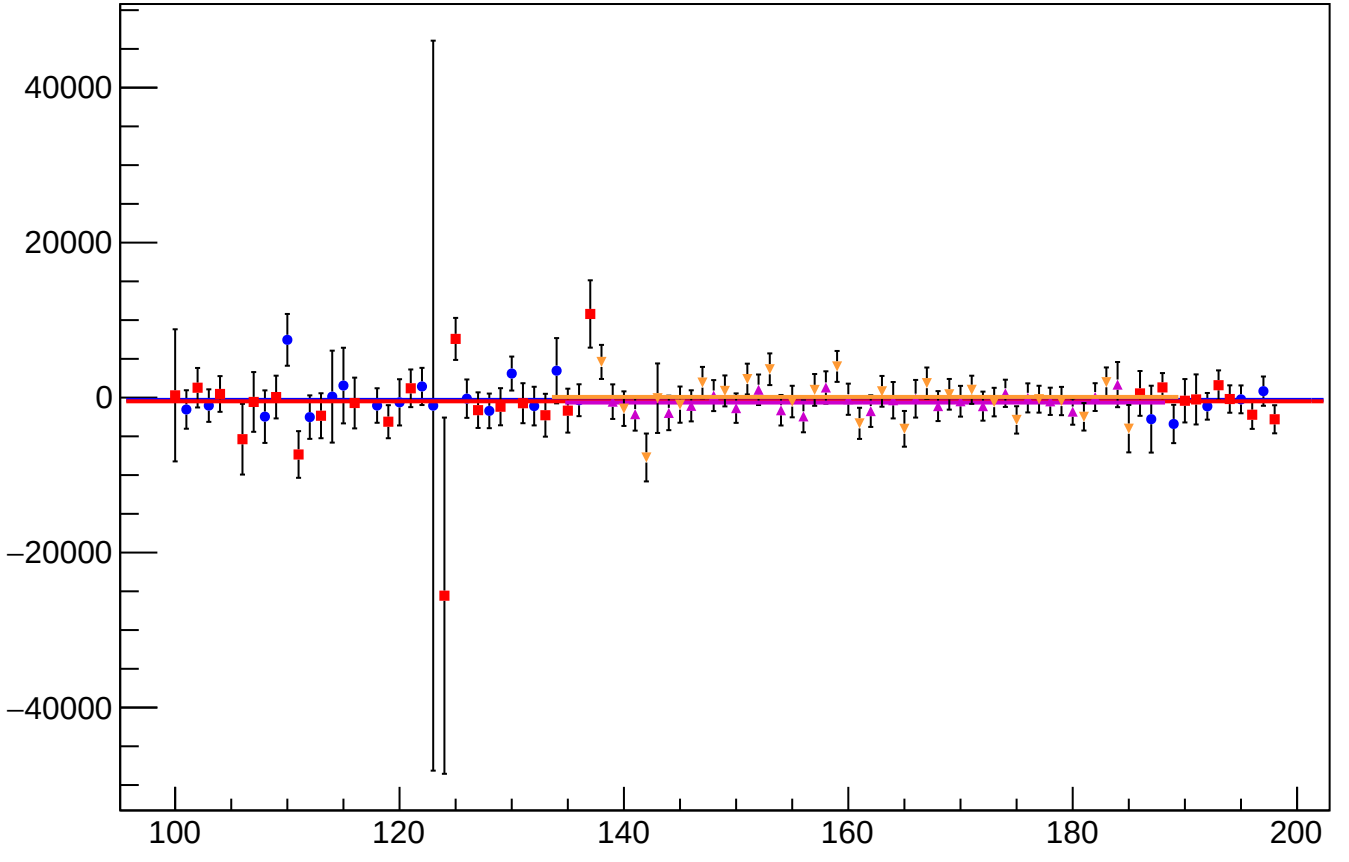
Right: 3517.162+/-0.582 χ^2/NDF: 6365192.3/48

In: 4337.734+/-0.629 χ^2/NDF:6472684.4/44

Out: 4350.114+/-0.596 χ^2/NDF:6974429.8/51

All: 4344.264+/-0.433 χ^2/NDF: 13447318.3/9

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -294.937+/-540.753 χ^2/NDF: 13.8/21

Left Out: 86.214+/-411.530 χ^2/NDF:36.0/24

Right Out: -479.874+/-493.594 χ^2/NDF: 31.9/26

Left In: -640.235+/-417.645 χ^2/NDF:6.2/22

Left: -271.653+/-293.134 χ^2/NDF: 43.7/47

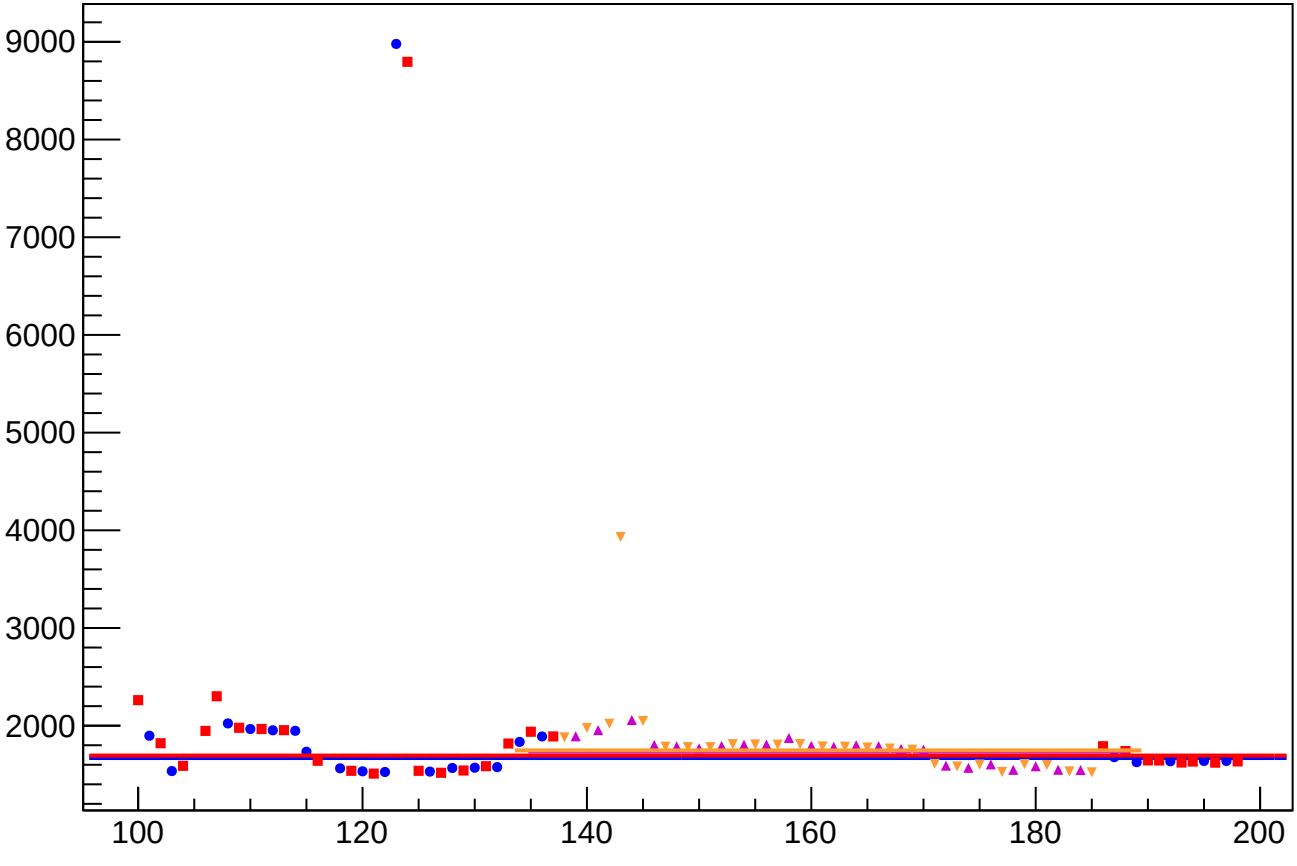
Right: -395.820+/-364.558 χ^2/NDF: 45.8/48

In: -511.220+/-330.538 χ^2/NDF:20.2/44

Out: -145.923+/-316.083 χ^2/NDF:68.7/51

All: -320.409+/-228.444 χ^2/NDF: 89.6/96

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1669.158+/-0.382 χ^2/NDF: 197514.8/21

Left Out: 1747.320+/-0.291 χ^2/NDF:698192.3/24

Right Out: 1694.390+/-0.348 χ^2/NDF: 411416.0/26

Left In: 1735.540+/-0.295 χ^2/NDF:206766.6/22

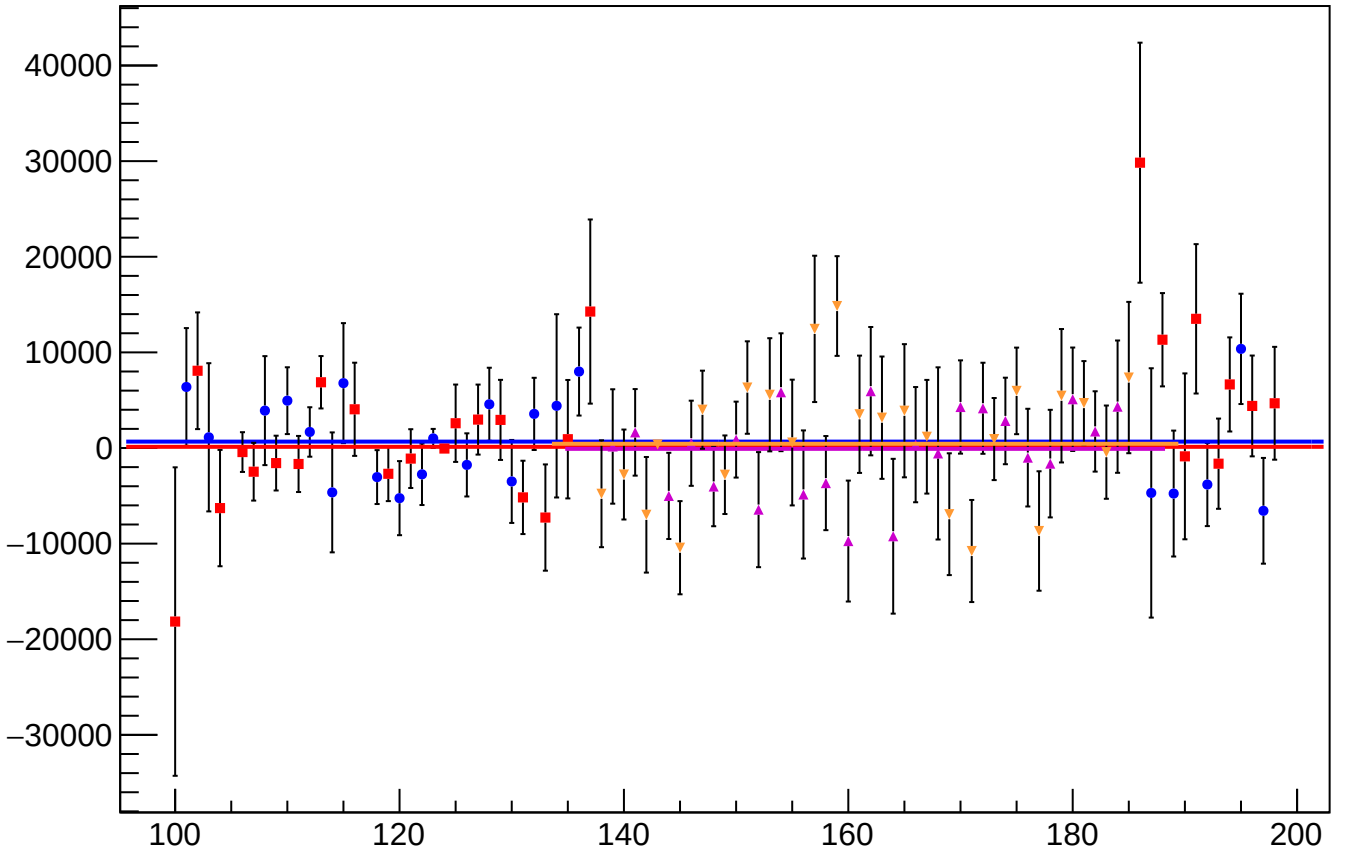
Left: 1741.517+/-0.207 χ^2/NDF: 905766.2/47

Right: 1682.952+/-0.257 χ^2/NDF: 611311.4/48

In: 1710.738+/-0.234 χ^2/NDF:423160.2/44

Out: 1725.553+/-0.223 χ^2/NDF:1123214.7/51

All: 1718.484+/-0.161 χ^2/NDF: 1548475.6/96



Right In: 668.488+/-682.596 χ^2/NDF: 22.1/21

Left Out: 442.187+/-440.335 χ^2/NDF:33.9/24

Right Out: 123.559+/-352.196 χ^2/NDF: 38.0/26

Left In: -88.508+/-1094.838 χ^2/NDF:13.4/22

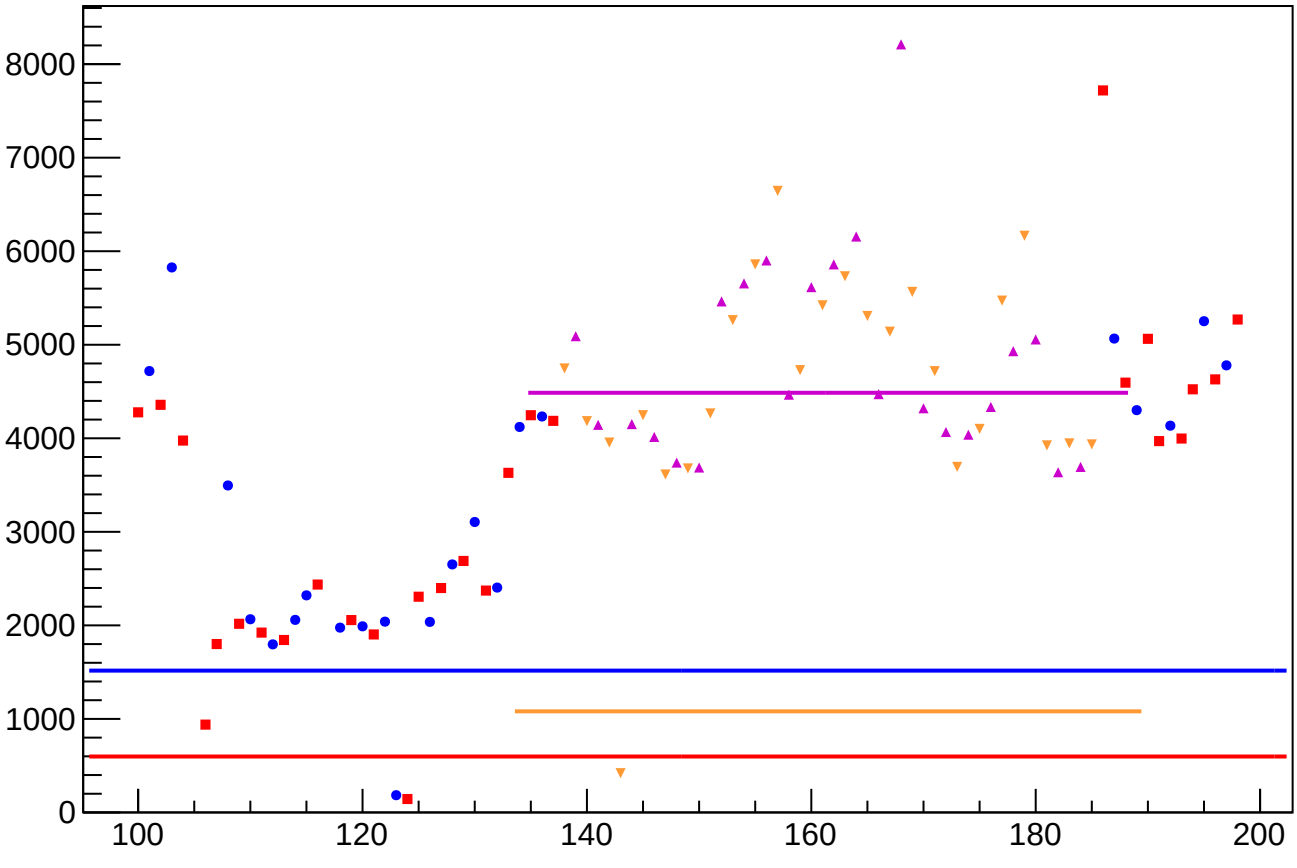
Left: 368.296+/-408.531 χ^2/NDF: 47.5/47

Right: 238.129+/-312.990 χ^2/NDF: 60.5/48

In: 456.599+/-579.239 χ^2/NDF:35.9/44

Out: 247.871+/-275.041 χ^2/NDF:72.2/51

All: 286.273+/-248.454 χ^2/NDF: 108.1/96



Right In: 1516.314+/-0.483 χ^2/NDF: 9473347.3/21

Left Out: 1081.004+/-0.311 χ^2/NDF:24456244.2/24

Right Out: 598.099+/-0.249 χ^2/NDF: 17957577.8/26

Left In: 4486.570+/-0.774 χ^2/NDF:1181598.1/22

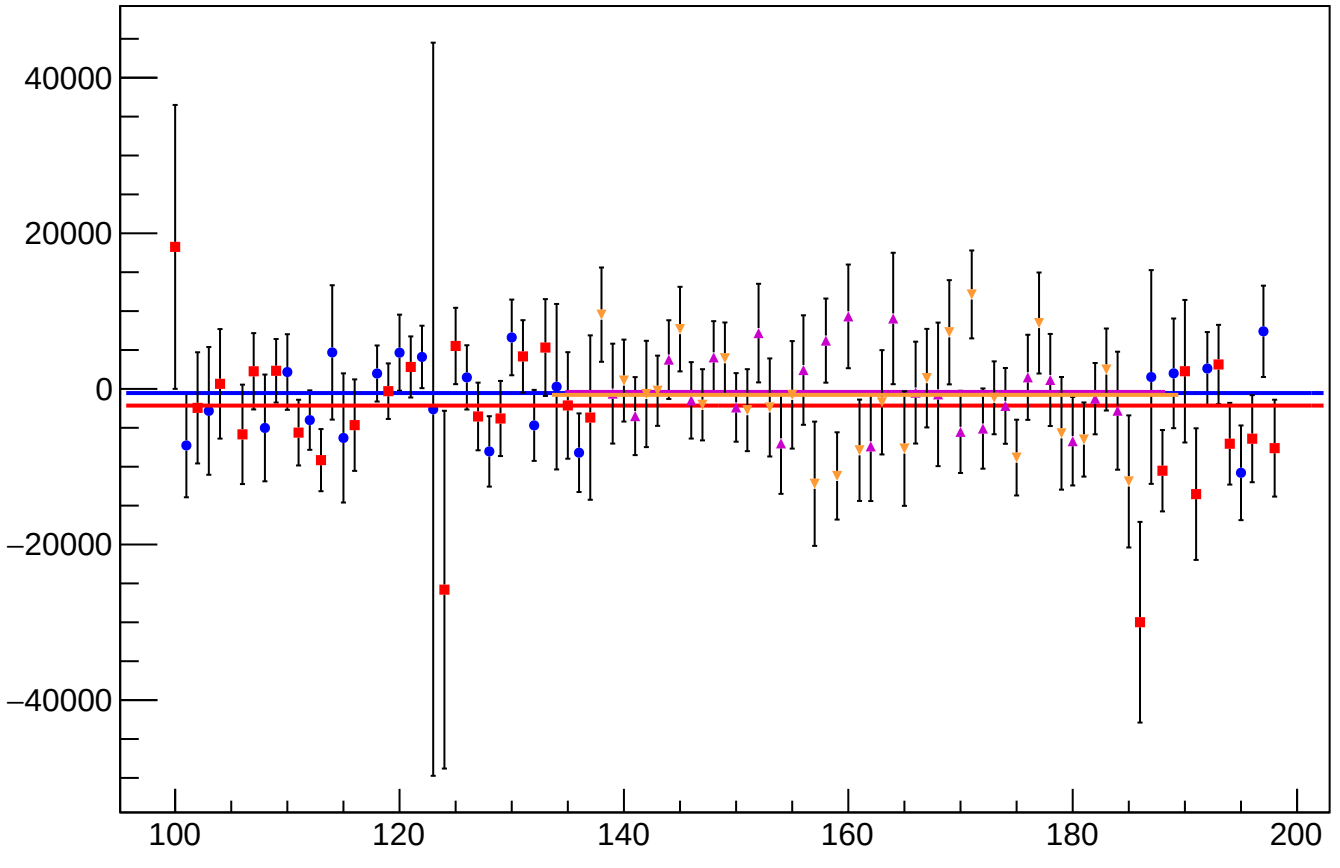
Left: 1555.179+/-0.289 χ^2/NDF: 42294704.7/47

Right: 791.152+/-0.221 χ^2/NDF: 30289050.9/48

In: 2347.713+/-0.410 χ^2/NDF:21254942.8/44

Out: 786.503+/-0.194 χ^2/NDF:43880762.1/51

All: 1073.739+/-0.176 χ^2/NDF: 76991653.2/9



Right In: -532.512+/-1153.665 χ^2/NDF: 20.0/21

Left Out: -766.008+/-1147.372 χ^2/NDF:29.9/24

Right Out: -2142.779+/-1052.762 χ^2/NDF: 29.1/26

Left In: -388.944+/-1186.300 χ^2/NDF:14.2/22

Left: -583.764+/-824.733 χ^2/NDF: 44.2/47

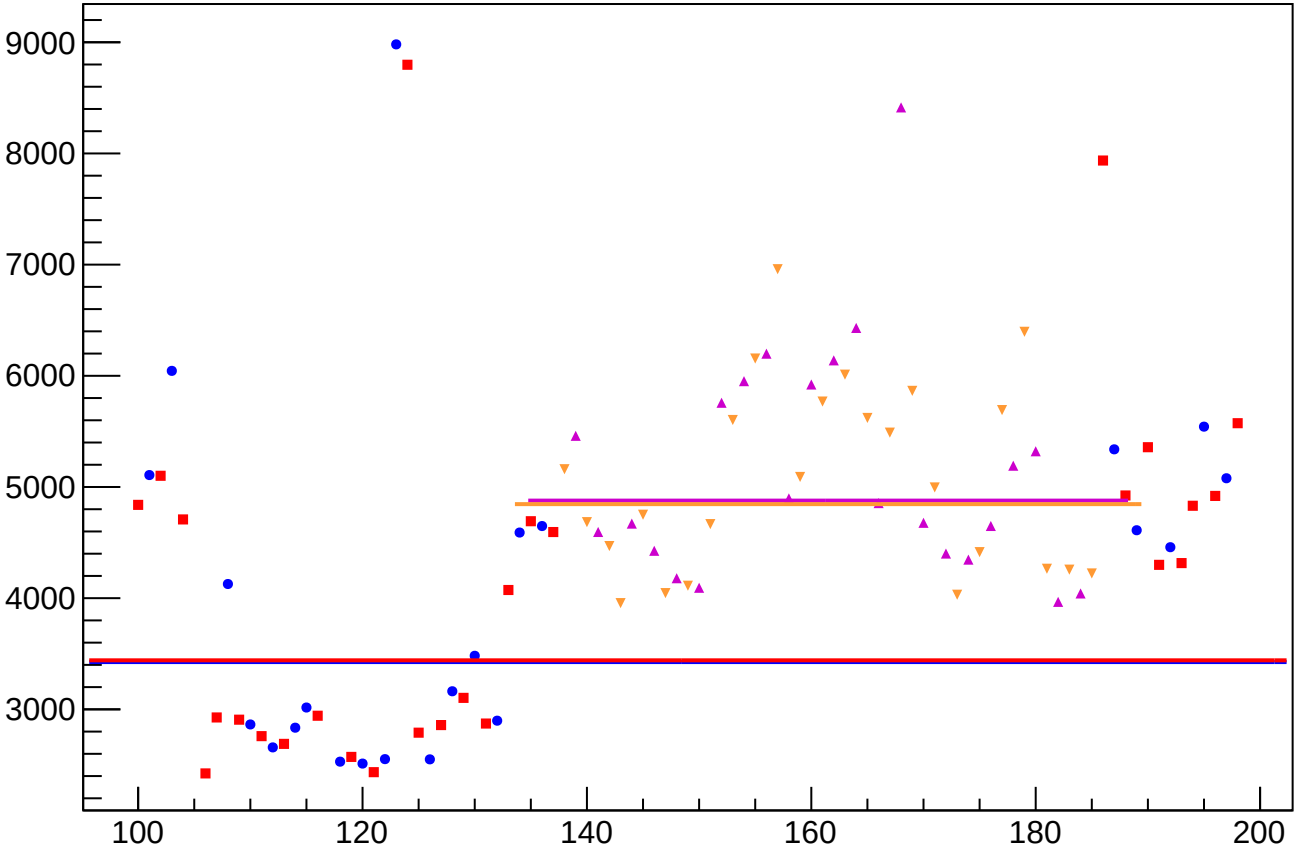
Right: -1411.132+/-777.645 χ^2/NDF: 50.2/48

In: -462.730+/-827.061 χ^2/NDF:34.2/44

Out: -1513.488+/-775.709 χ^2/NDF:59.9/51

All: -1021.740+/-565.793 χ^2/NDF: 94.9/96

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3425.290+/-0.816 χ^2/NDF: 1647165.5/21

Left Out: 4845.779+/-0.811 χ^2/NDF:909173.9/24

Right Out: 3440.995+/-0.737 χ^2/NDF: 2131465.0/26

Left In: 4877.456+/-0.839 χ^2/NDF:958623.2/22

Left: 4861.089+/-0.583 χ^2/NDF: 1868533.9/47

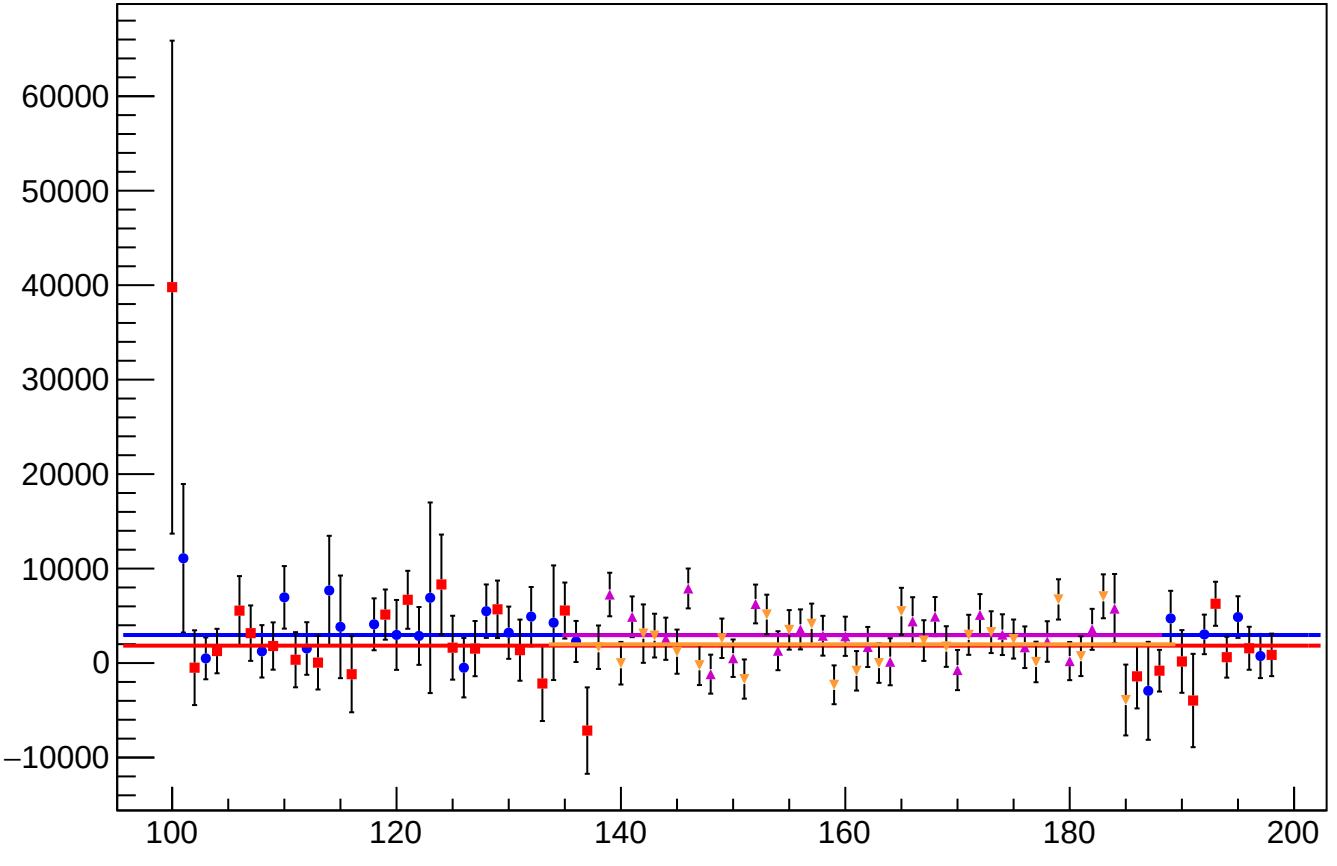
Right: 3433.935+/-0.547 χ^2/NDF: 3778834.6/48

In: 4131.121+/-0.585 χ^2/NDF:4146038.1/44

Out: 4076.251+/-0.546 χ^2/NDF:4682949.6/51

All: 4101.784+/-0.399 χ^2/NDF: 8833694.2/96

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2968.474+/-642.086 χ^2/NDF: 11.3/21

Left Out: 1985.469+/-443.190 χ^2/NDF:32.4/24

Right Out: 1843.432+/-574.761 χ^2/NDF: 26.7/26

Left In: 2955.900+/-454.551 χ^2/NDF:28.4/22

Left: 2458.406+/-317.323 χ^2/NDF: 63.2/47

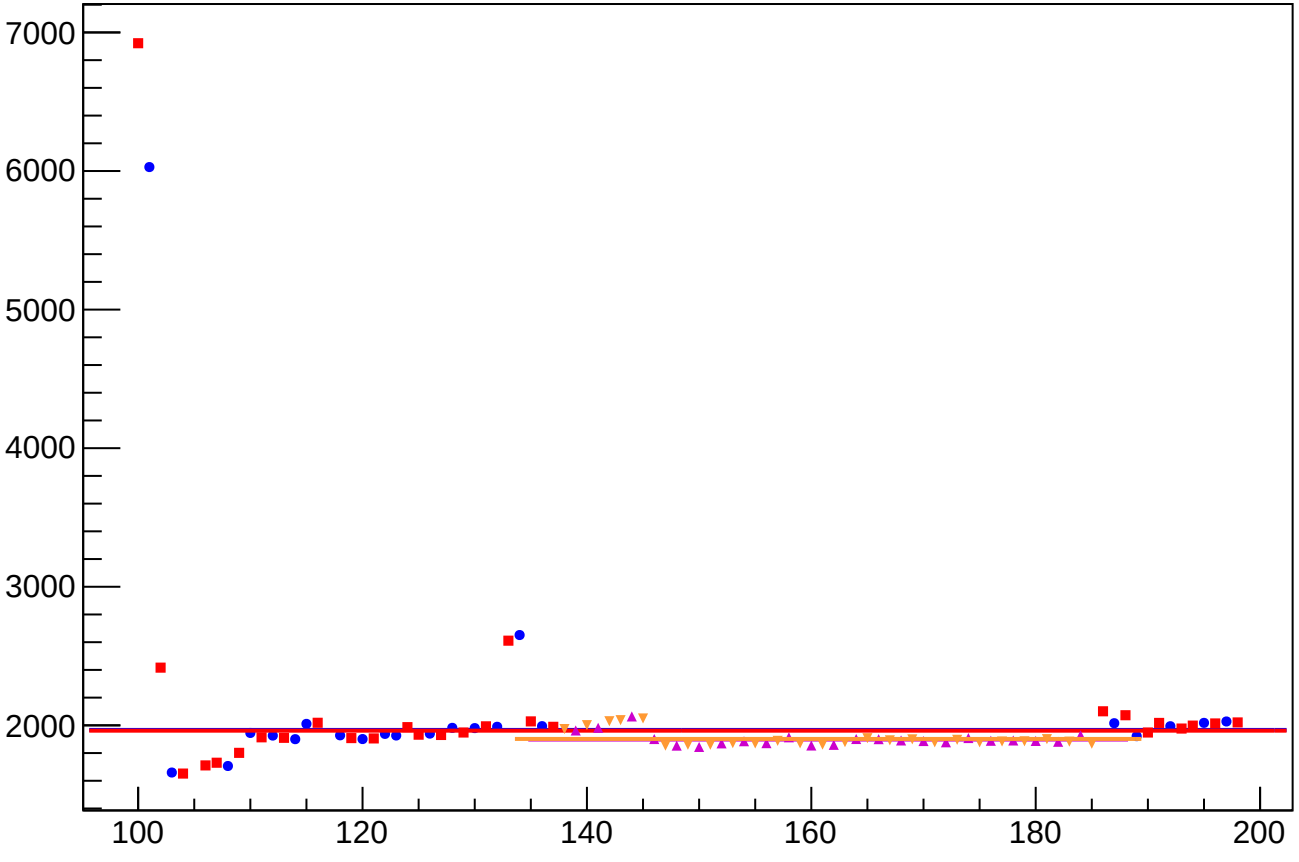
Right: 2343.897+/-428.248 χ^2/NDF: 39.7/48

In: 2960.098+/-370.995 χ^2/NDF:39.7/44

Out: 1932.507+/-350.968 χ^2/NDF:59.2/51

All: 2417.819+/-254.958 χ^2/NDF: 103.0/96

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1966.838+/-0.454 χ^2/NDF: 621519.6/21

Left Out: 1901.884+/-0.313 χ^2/NDF:30446.9/24

Right Out: 1961.559+/-0.406 χ^2/NDF: 234517.2/26

Left In: 1897.456+/-0.321 χ^2/NDF:21180.1/22

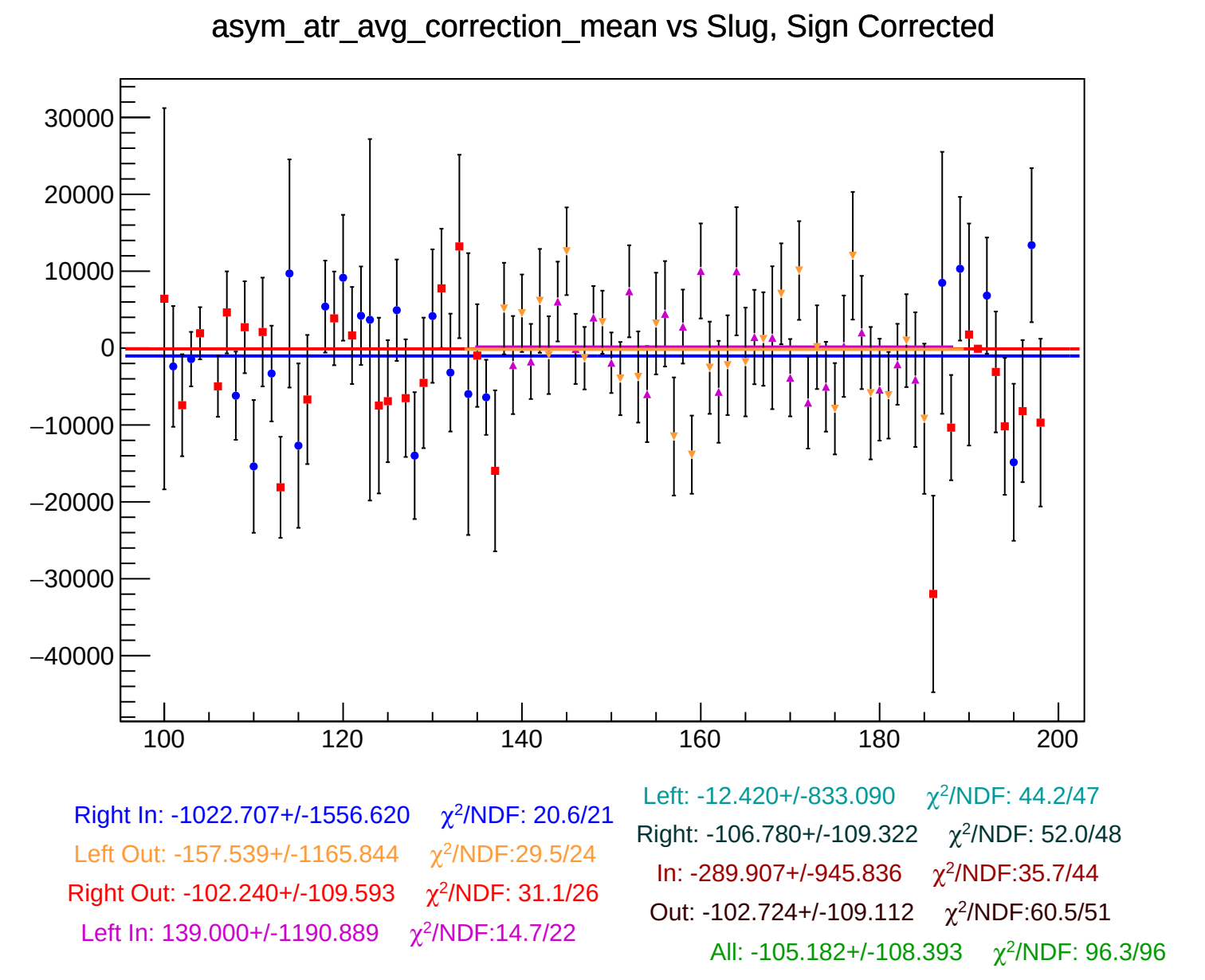
Left: 1899.726+/-0.224 χ^2/NDF: 51724.3/47

Right: 1963.904+/-0.303 χ^2/NDF: 856111.9/48

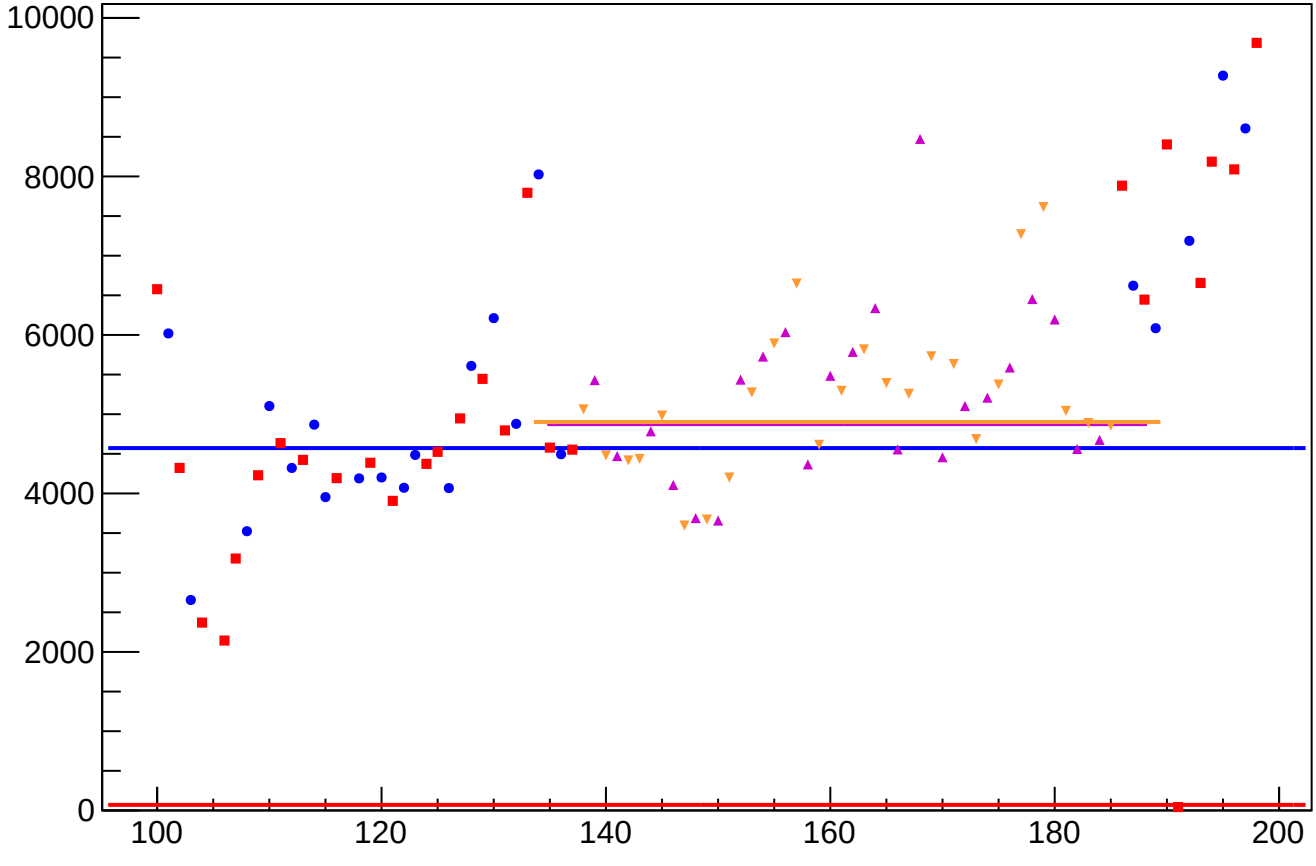
In: 1920.619+/-0.262 χ^2/NDF:658256.4/44

Out: 1924.175+/-0.248 χ^2/NDF:278508.8/51

All: 1922.496+/-0.180 χ^2/NDF: 936862.2/96


asym_atr_avg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -1022.707+/-1556.620 χ²/NDF: 20.6/21
Left Out: -157.539+/-1165.844 χ²/NDF:29.5/24
Right Out: -102.240+/-109.593 χ²/NDF: 31.1/26
Left In: 139.000+/-1190.889 χ²/NDF:14.7/22
Left: -12.420+/-833.090 χ²/NDF: 44.2/47
Right: -106.780+/-109.322 χ²/NDF: 52.0/48
In: -289.907+/-945.836 χ²/NDF:35.7/44
Out: -102.724+/-109.112 χ²/NDF:60.5/51
All: -105.182+/-108.393 χ²/NDF: 96.3/96

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4572.348+/-1.101 χ^2/NDF: 2021324.6/21

Left Out: 4901.357+/-0.824 χ^2/NDF:1136916.0/24

Right Out: 70.314+/-0.077 χ^2/NDF: 22788978.2/26

Left In: 4875.112+/-0.842 χ^2/NDF:1229198.0/22

Left: 4888.513+/-0.589 χ^2/NDF: 2366610.1/47

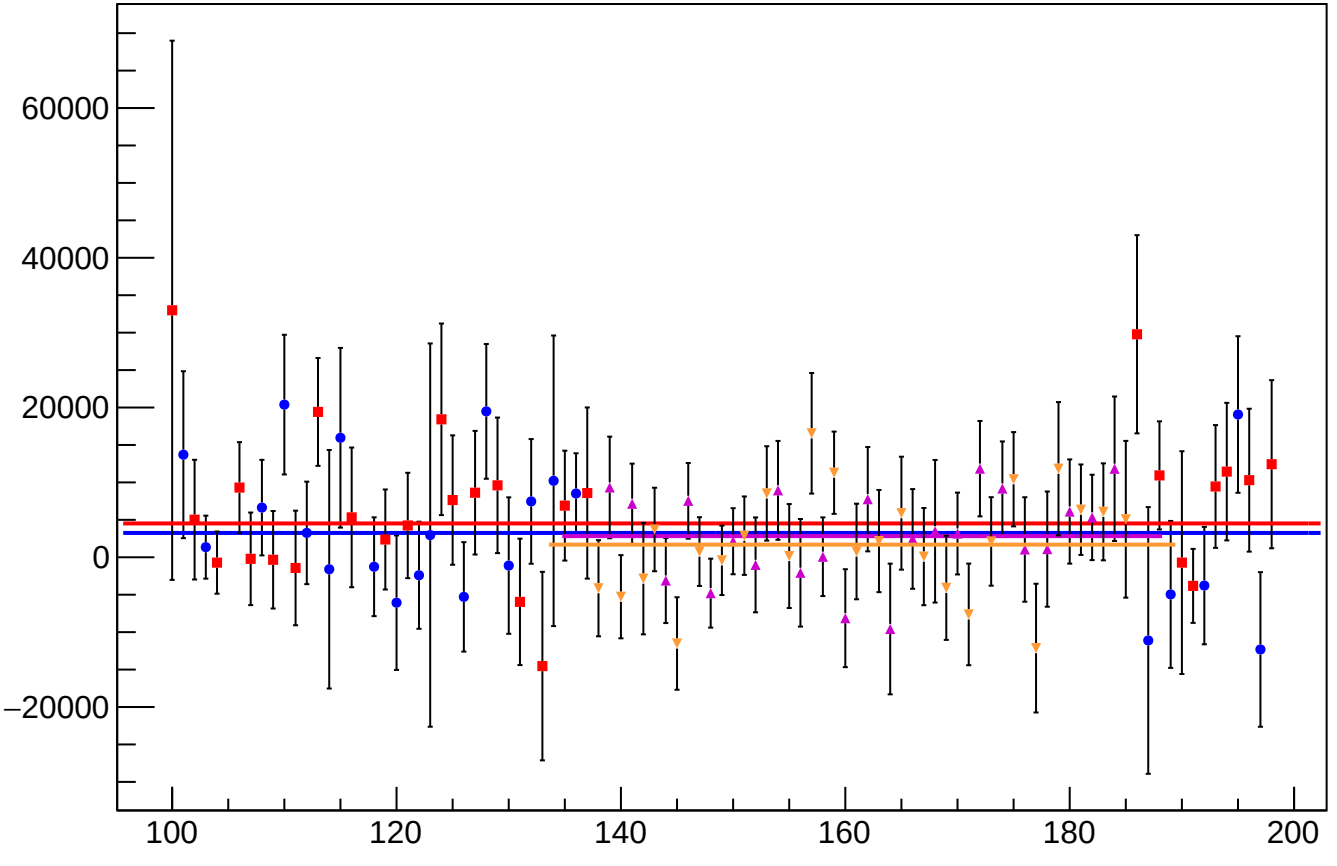
Right: 92.519+/-0.077 χ^2/NDF: 41457260.5/48

In: 4763.331+/-0.669 χ^2/NDF:3298249.3/44

Out: 112.629+/-0.077 χ^2/NDF:57967487.1/51

All: 173.707+/-0.077 χ^2/NDF: 108984994.4/9

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3250.049+/-1734.499 χ^2/NDF: 21.0/21

Left Out: 1686.531+/-1261.650 χ^2/NDF:25.4/24

Right Out: 4519.109+/-1489.492 χ^2/NDF: 24.1/26

Left In: 2824.078+/-1288.414 χ^2/NDF:18.0/22

Left: 2243.367+/-901.435 χ^2/NDF: 43.8/47

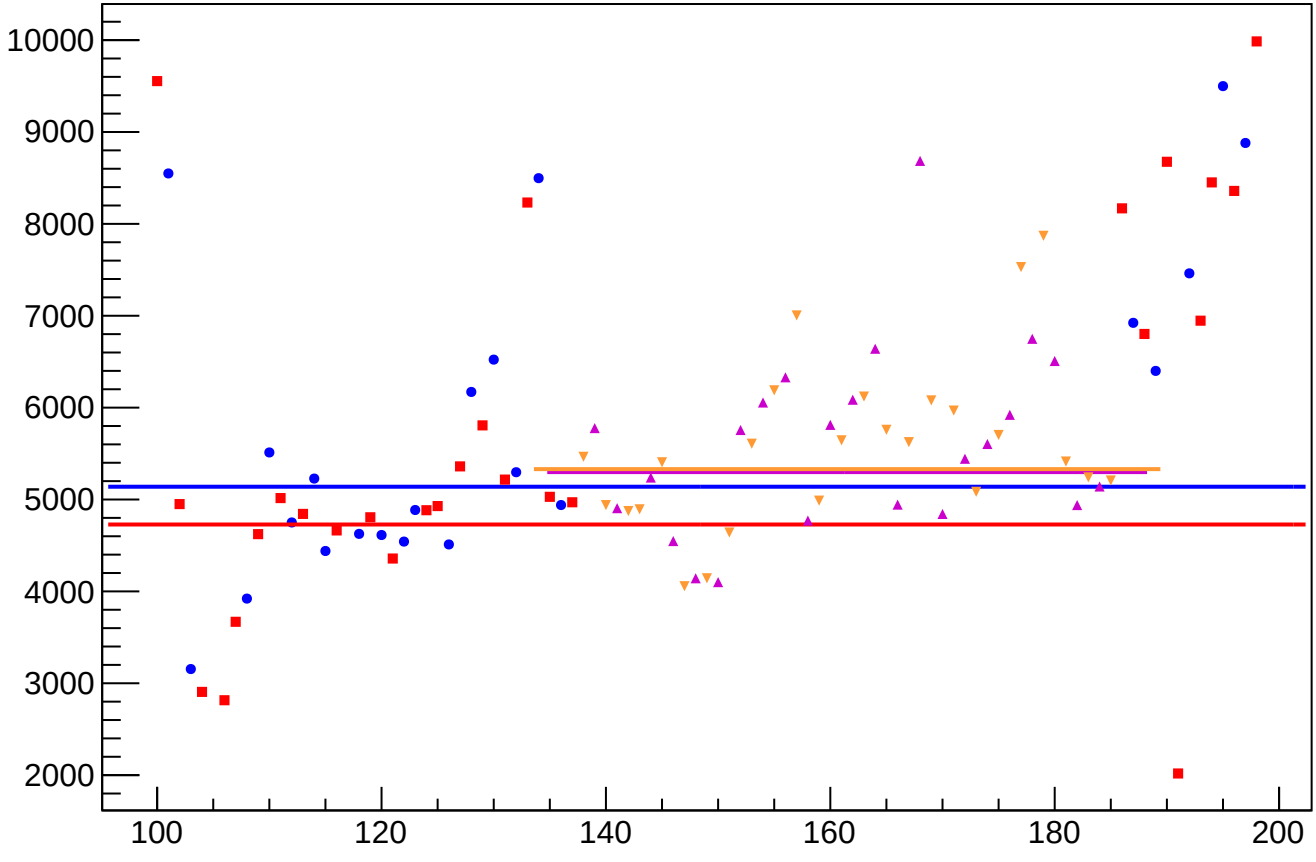
Right: 3980.467+/-1130.012 χ^2/NDF: 45.4/48

In: 2975.544+/-1034.287 χ^2/NDF:39.1/44

Out: 2869.832+/-962.709 χ^2/NDF:51.6/51

All: 2918.904+/-704.685 χ^2/NDF: 90.7/96

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5139.198+/-1.226 χ^2/NDF: 1743662.7/21

Left Out: 5330.725+/-0.892 χ^2/NDF:868061.7/24

Right Out: 4727.948+/-1.049 χ^2/NDF: 3171142.6/26

Left In: 5298.329+/-0.911 χ^2/NDF:956021.6/22

Left: 5314.867+/-0.637 χ^2/NDF: 1824728.8/47

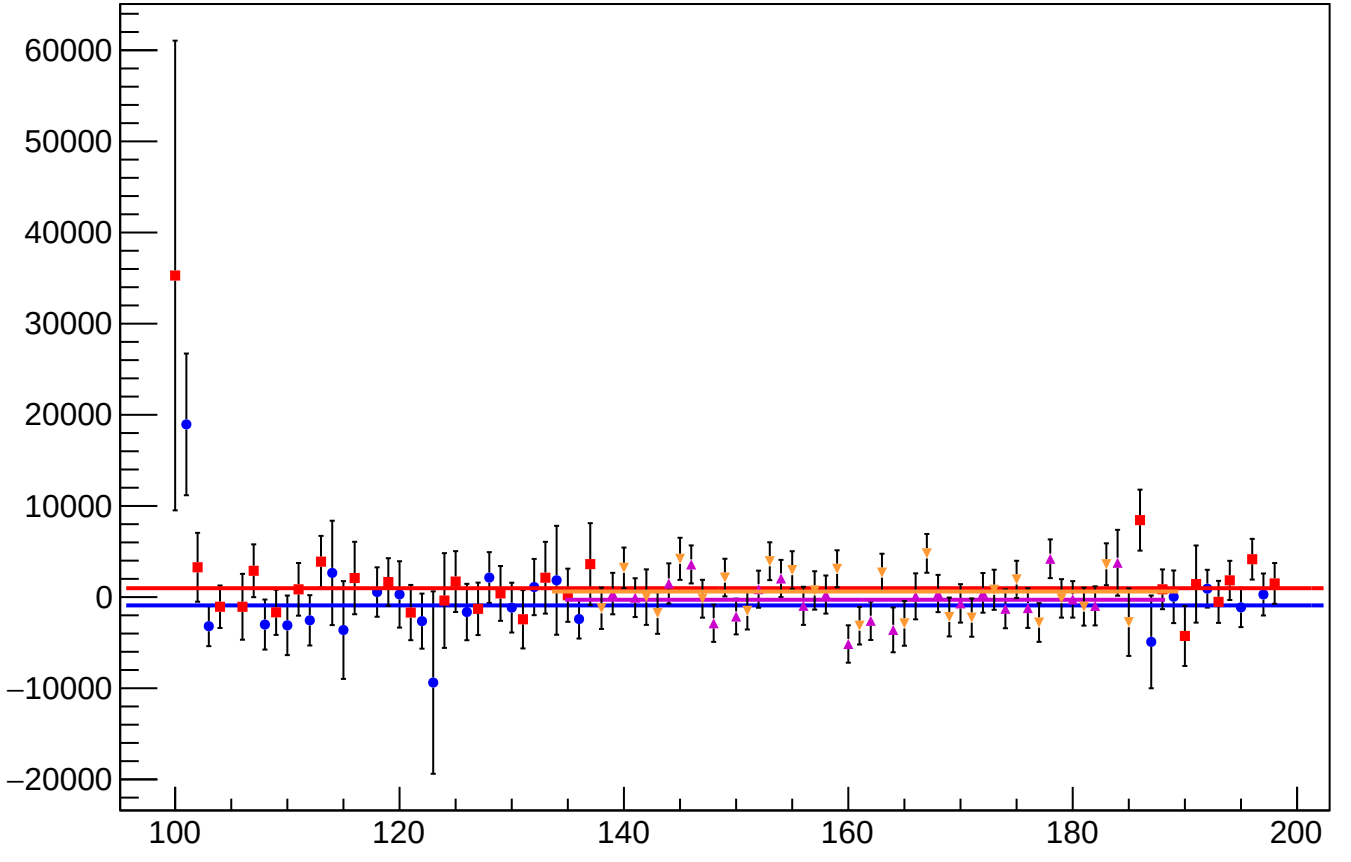
Right: 4901.631+/-0.797 χ^2/NDF: 4979754.5/48

In: 5241.746+/-0.731 χ^2/NDF:2710532.7/44

Out: 5077.648+/-0.680 χ^2/NDF:4230877.7/51

All: 5153.675+/-0.498 χ^2/NDF: 6968430.5/96

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -912.108+/-633.644 χ^2/NDF: 15.3/21

Left Out: 612.314+/-438.264 χ^2/NDF:32.7/24

Right Out: 974.475+/-566.423 χ^2/NDF: 19.4/26

Left In: -293.009+/-449.575 χ^2/NDF:23.6/22

Left: 171.185+/-313.822 χ^2/NDF: 58.4/47

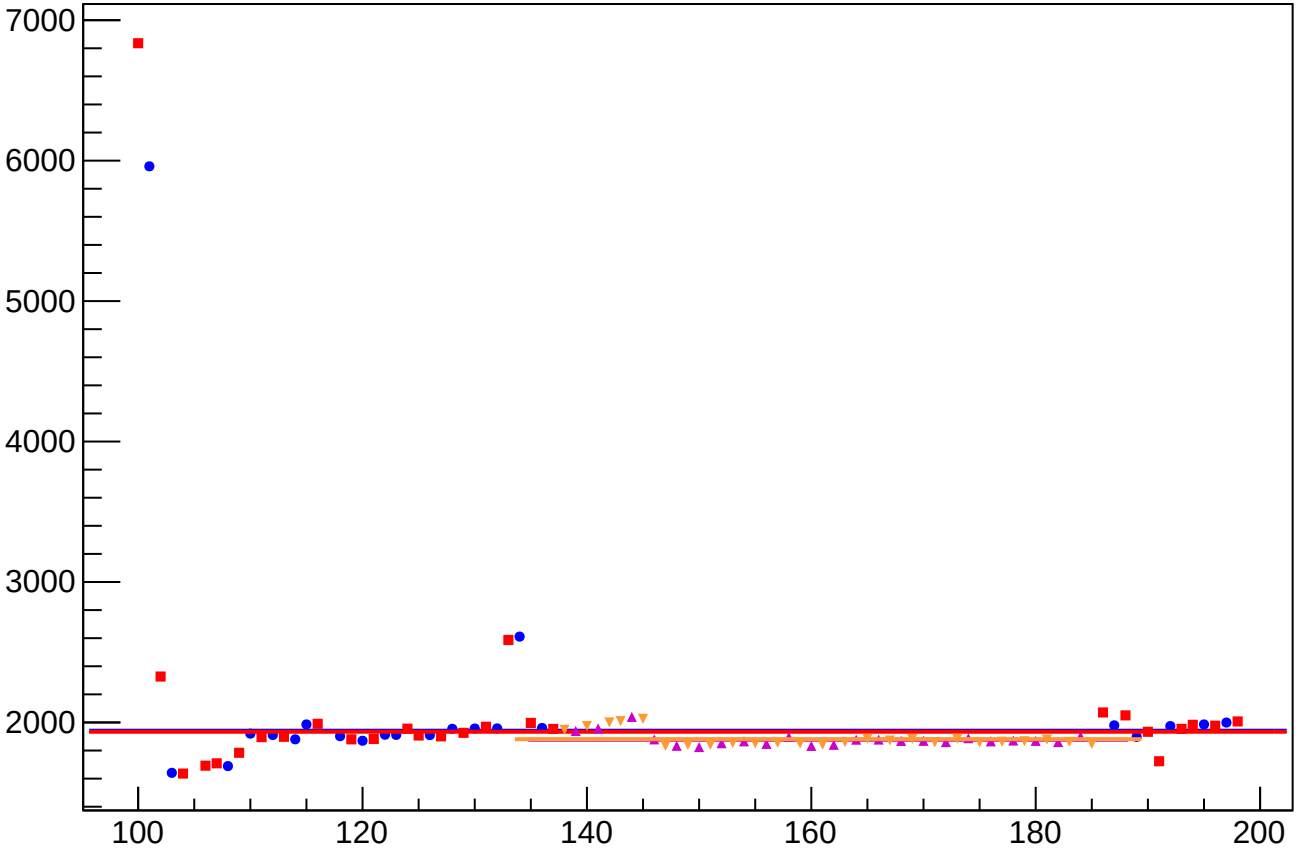
Right: 136.528+/-422.294 χ^2/NDF: 39.6/48

In: -500.309+/-366.661 χ^2/NDF:39.5/44

Out: 747.937+/-346.622 χ^2/NDF:52.3/51

All: 158.855+/-251.885 χ^2/NDF: 98.0/96

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1941.080+/-0.448 χ^2/NDF: 619822.3/21

Left Out: 1880.808+/-0.310 χ^2/NDF:28655.5/24

Right Out: 1933.743+/-0.400 χ^2/NDF: 233351.8/26

Left In: 1876.685+/-0.318 χ^2/NDF:20499.7/22

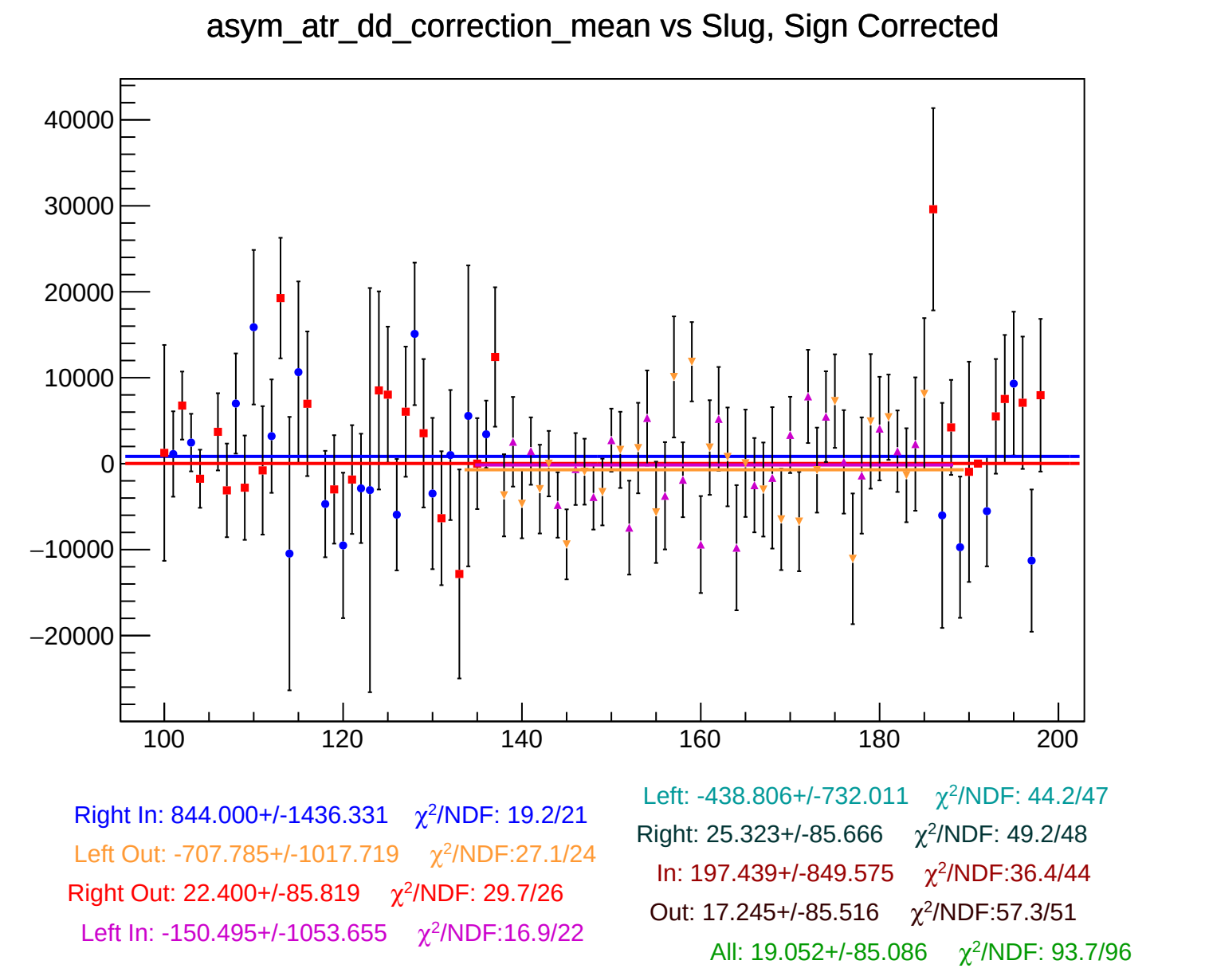
Left: 1878.799+/-0.222 χ^2/NDF: 49241.5/47

Right: 1936.997+/-0.298 χ^2/NDF: 853323.3/48

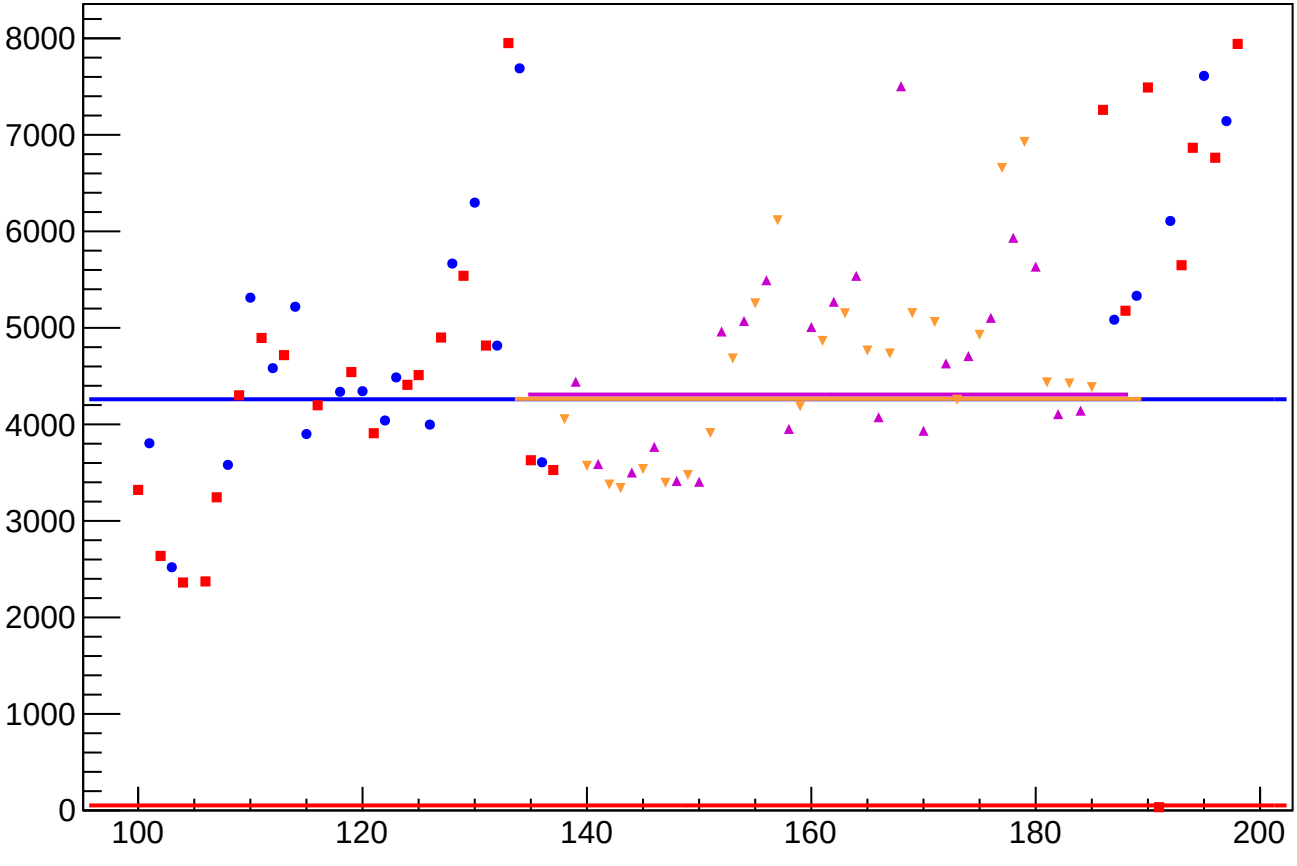
In: 1898.247+/-0.259 χ^2/NDF:654061.6/44

Out: 1900.665+/-0.245 χ^2/NDF:272952.2/51

All: 1899.525+/-0.178 χ^2/NDF: 927059.8/96


asym_atr_dd_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 844.000+/-1436.331 χ²/NDF: 19.2/21
Left Out: -707.785+/-1017.719 χ²/NDF:27.1/24
Right Out: 22.400+/-85.819 χ²/NDF: 29.7/26
Left In: -150.495+/-1053.655 χ²/NDF:16.9/22
Left: -438.806+/-732.011 χ²/NDF: 44.2/47
Right: 25.323+/-85.666 χ²/NDF: 49.2/48
In: 197.439+/-849.575 χ²/NDF:36.4/44
Out: 17.245+/-85.516 χ²/NDF:57.3/51
All: 19.052+/-85.086 χ²/NDF: 93.7/96

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 4260.199+/-1.016 χ^2/NDF: 1710480.0/21

Left Out: 4264.433+/-0.720 χ^2/NDF:1354900.8/24

Right Out: 52.041+/-0.061 χ^2/NDF: 22922087.6/26

Left In: 4309.034+/-0.745 χ^2/NDF:1305133.3/22

Left: 4285.960+/-0.518 χ^2/NDF: 2661888.1/47

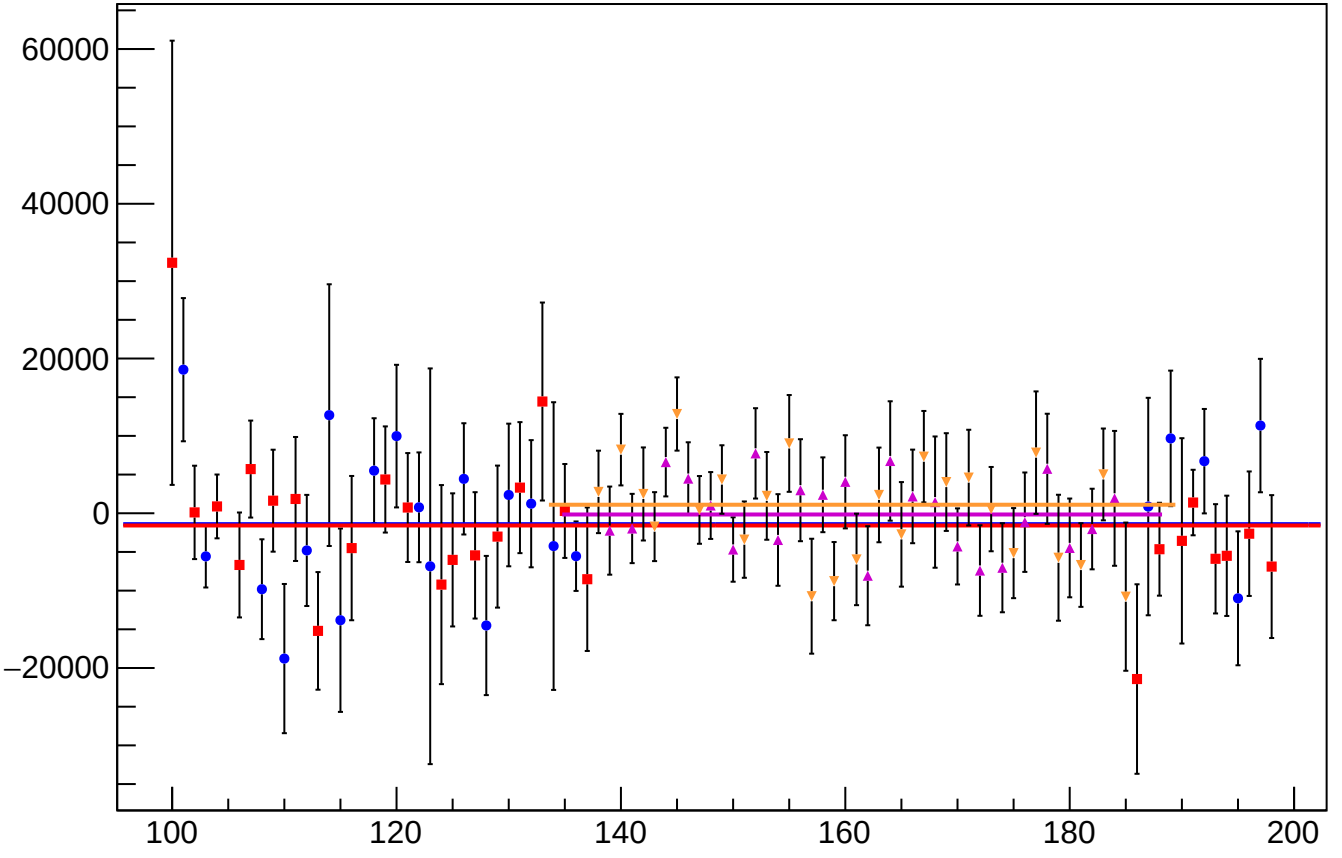
Right: 67.010+/-0.061 χ^2/NDF: 41738912.8/48

In: 4291.948+/-0.601 χ^2/NDF:3017116.4/44

Out: 81.782+/-0.060 χ^2/NDF:58298583.6/51

All: 124.011+/-0.060 χ^2/NDF: 109939249.1/9

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1407.483+/-1641.888 χ^2/NDF: 25.8/21

Left Out: 1102.204+/-1126.663 χ^2/NDF:28.6/24

Right Out: -1580.111+/-1402.399 χ^2/NDF: 16.1/26

Left In: -158.683+/-1161.507 χ^2/NDF:15.5/22

Left: 490.957+/-808.709 χ^2/NDF: 44.7/47

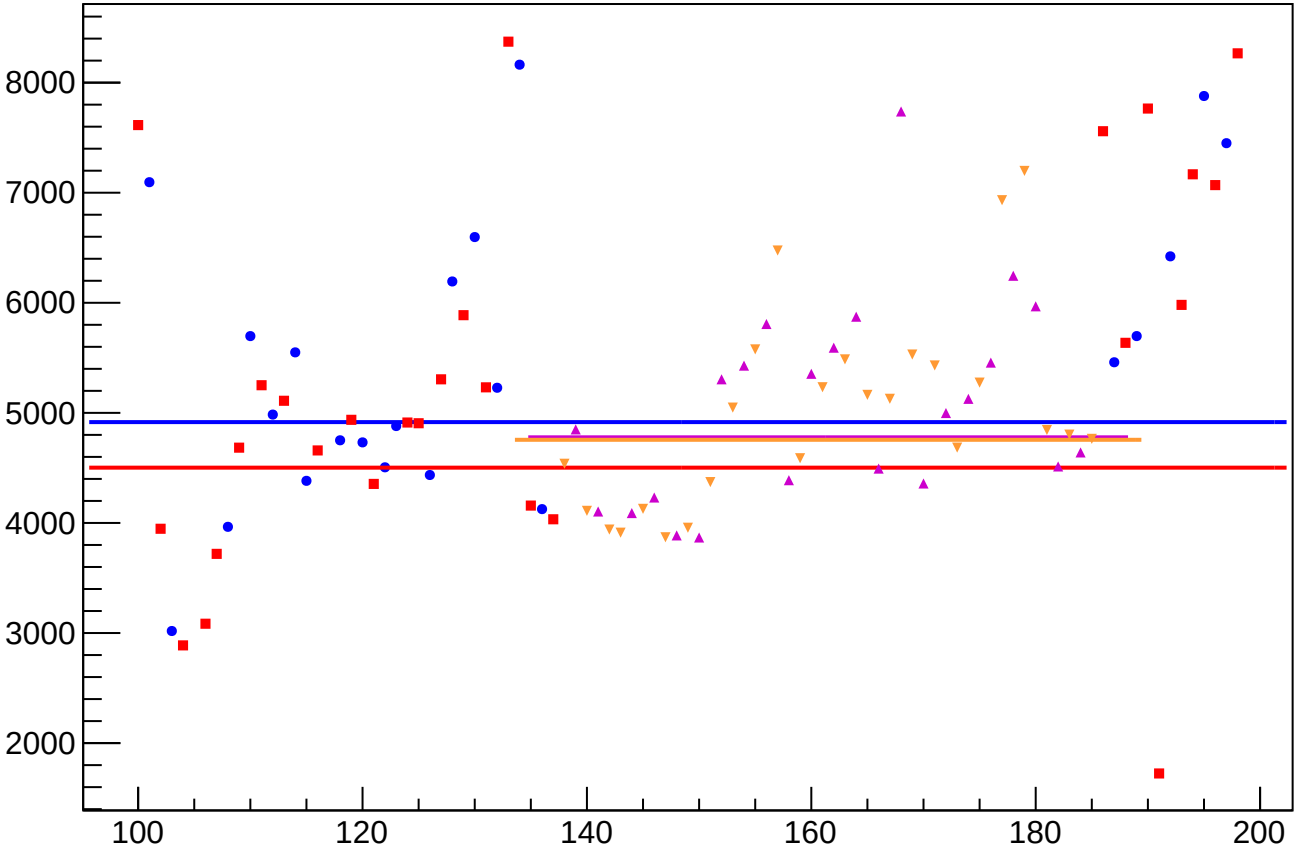
Right: -1507.294+/-1066.362 χ^2/NDF: 42.0/48

In: -575.197+/-948.226 χ^2/NDF:41.7/44

Out: 50.055+/-878.325 χ^2/NDF:46.9/51

All: -238.678+/-644.366 χ^2/NDF: 88.9/96

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4916.112+/-1.161 χ^2/NDF: 1396145.8/21

Left Out: 4755.383+/-0.797 χ^2/NDF:953328.0/24

Right Out: 4502.311+/-0.988 χ^2/NDF: 2840088.2/26

Left In: 4777.831+/-0.821 χ^2/NDF:950291.2/22

Left: 4766.265+/-0.572 χ^2/NDF: 1904004.1/47

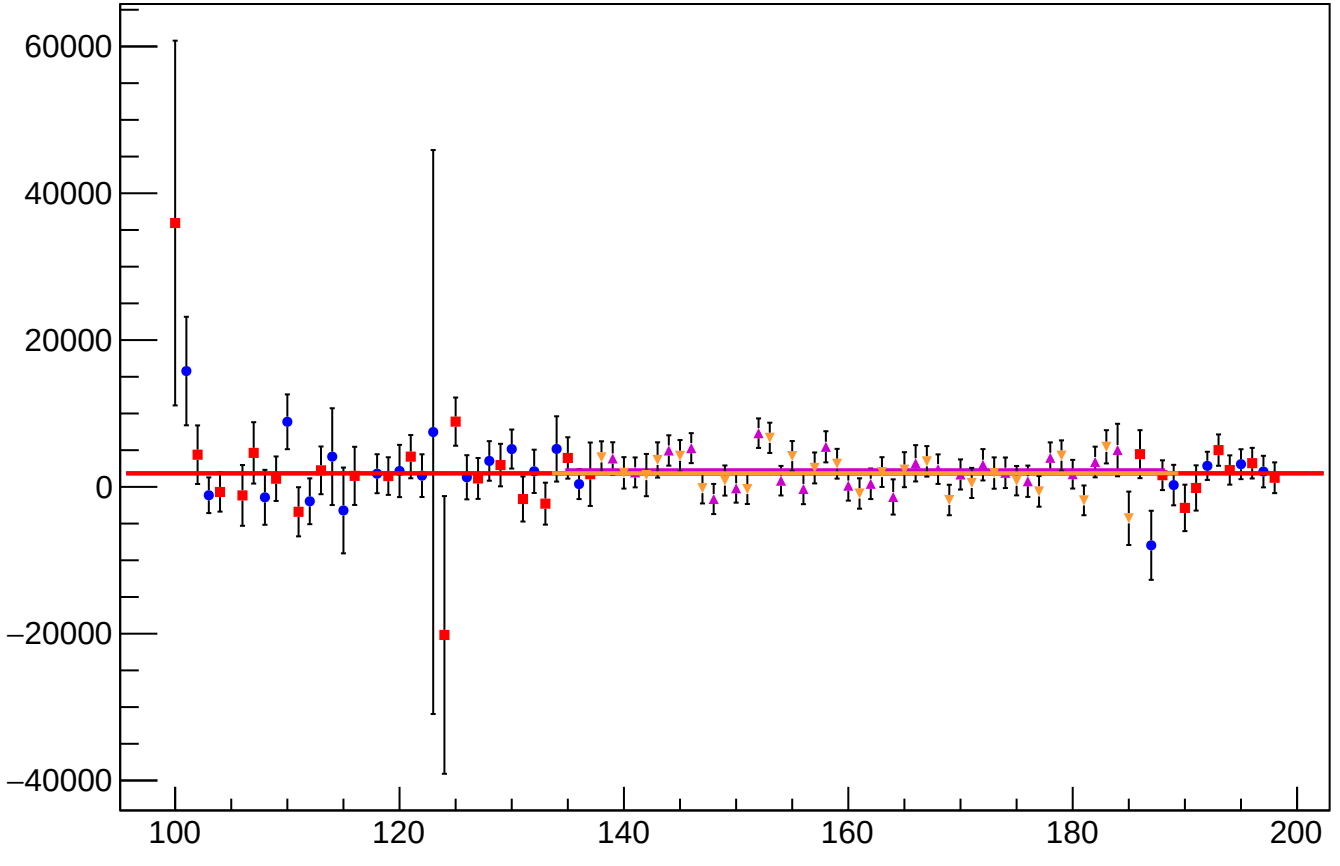
Right: 4676.085+/-0.752 χ^2/NDF: 4309921.4/48

In: 4823.952+/-0.670 χ^2/NDF:2355891.7/44

Out: 4655.651+/-0.620 χ^2/NDF:3833182.8/51

All: 4733.244+/-0.455 χ^2/NDF: 6223031.9/96

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1838.684+/-629.462 χ^2/NDF: 20.2/21

Left Out: 1856.570+/-430.977 χ^2/NDF:30.0/24

Right Out: 1853.658+/-562.142 χ^2/NDF: 23.5/26

Left In: 2268.464+/-441.710 χ^2/NDF:26.9/22

Left: 2057.452+/-308.471 χ^2/NDF: 57.3/47

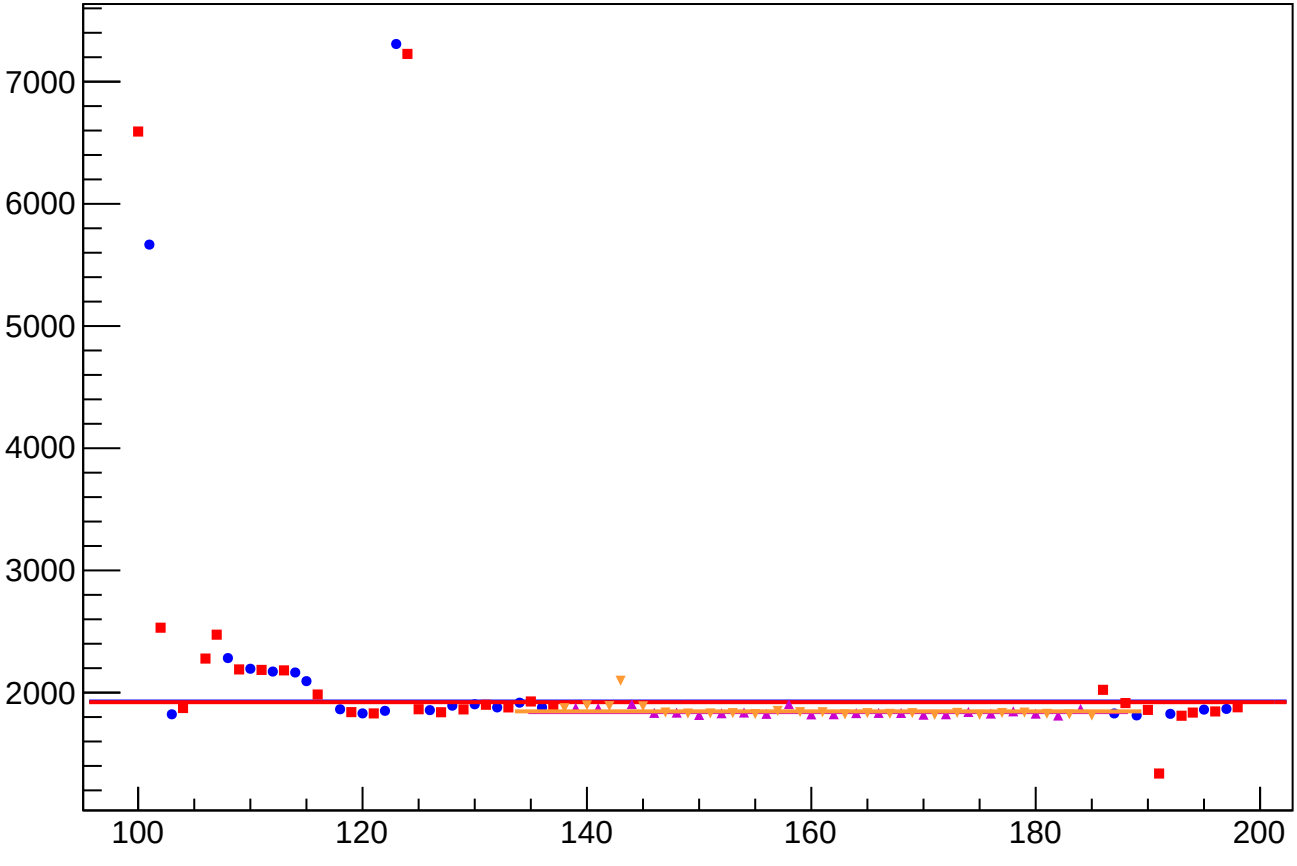
Right: 1847.014+/-419.282 χ^2/NDF: 43.6/48

In: 2126.659+/-361.570 χ^2/NDF:47.3/44

Out: 1855.492+/-342.025 χ^2/NDF:53.5/51

All: 1983.549+/-248.471 χ^2/NDF: 101.1/96

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1927.101+/-0.445 χ^2/NDF: 620395.2/21

Left Out: 1846.602+/-0.305 χ^2/NDF:27302.8/24

Right Out: 1921.777+/-0.397 χ^2/NDF: 461366.8/26

Left In: 1840.541+/-0.312 χ^2/NDF:6740.2/22

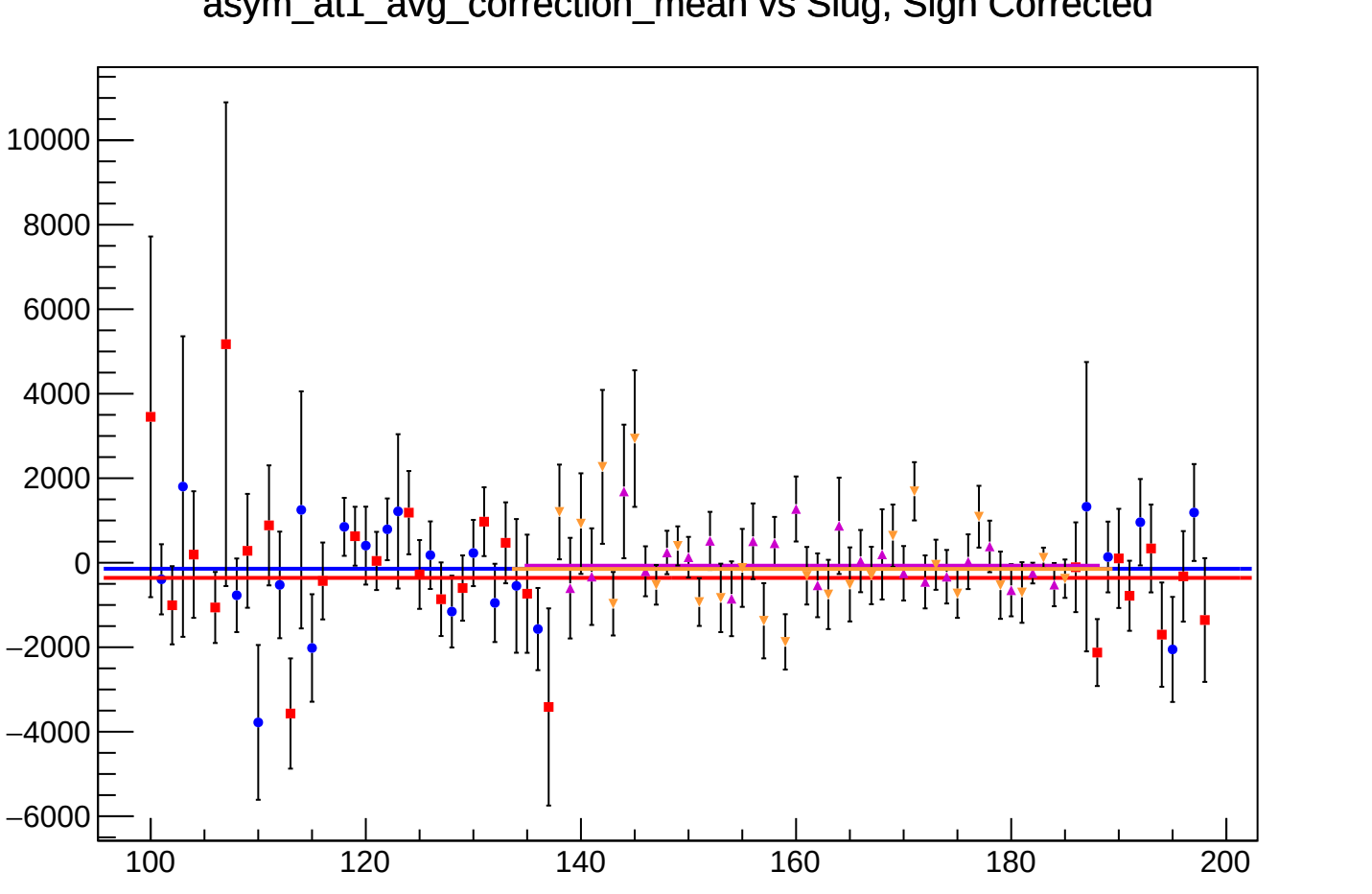
Left: 1843.646+/-0.218 χ^2/NDF: 34235.8/47

Right: 1924.139+/-0.296 χ^2/NDF: 1081841.6/48

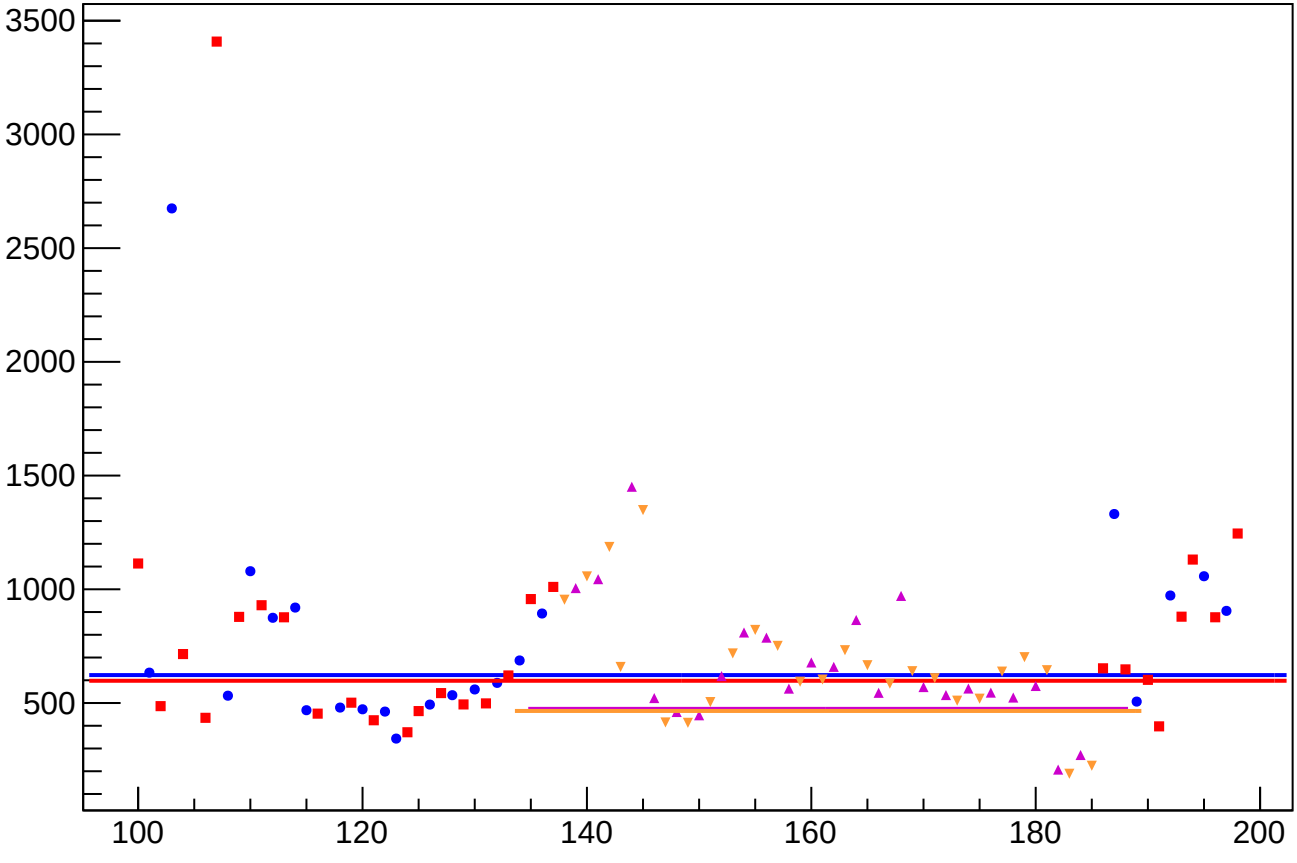
In: 1869.102+/-0.256 χ^2/NDF:652476.9/44

Out: 1874.431+/-0.242 χ^2/NDF:511196.2/51

All: 1871.914+/-0.176 χ^2/NDF: 1163902.4/96


asym_at1_avg_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -142.236+/-217.893 χ²/NDF: 21.9/21
Left Out: -146.999+/-121.984 χ²/NDF:37.7/24
Right Out: -358.852+/-194.170 χ²/NDF: 28.1/26
Left In: -70.340+/-126.373 χ²/NDF:12.3/22
Left: -110.024+/-87.766 χ²/NDF: 50.1/47
Right: -262.973+/-144.963 χ²/NDF: 50.6/48
In: -88.437+/-109.318 χ²/NDF:34.3/44
Out: -206.951+/-103.292 χ²/NDF:66.6/51
All: -151.050+/-75.078 χ²/NDF: 101.6/96

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 622.752+/-0.154 χ^2/NDF: 2199148.0/21

Left Out: 465.080+/-0.086 χ^2/NDF:7086137.6/24

Right Out: 597.835+/-0.137 χ^2/NDF: 2737009.4/26

Left In: 474.263+/-0.089 χ^2/NDF:6173100.1/22

Left: 469.509+/-0.062 χ^2/NDF: 13264703.6/47

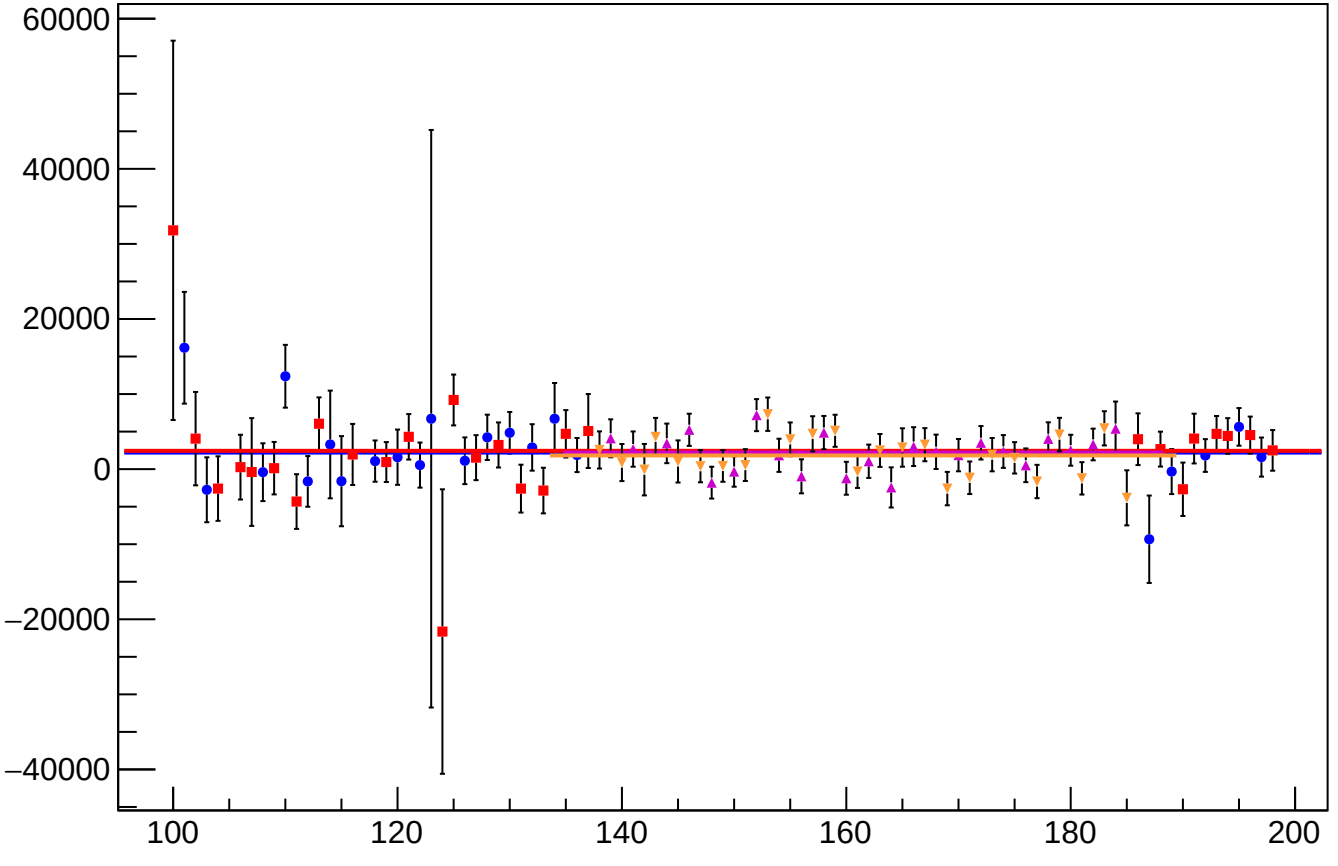
Right: 608.863+/-0.103 χ^2/NDF: 4950734.8/48

In: 511.638+/-0.077 χ^2/NDF:9067279.9/44

Out: 502.648+/-0.073 χ^2/NDF:10493478.3/51

All: 506.889+/-0.053 χ^2/NDF: 19567904.4/96

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2207.104+/-708.490 χ^2/NDF: 22.5/21

Left Out: 1824.066+/-462.694 χ^2/NDF:32.1/24

Right Out: 2439.694+/-637.504 χ^2/NDF: 25.8/26

Left In: 2208.114+/-474.050 χ^2/NDF:25.3/22

Left: 2011.435+/-331.116 χ^2/NDF: 57.8/47

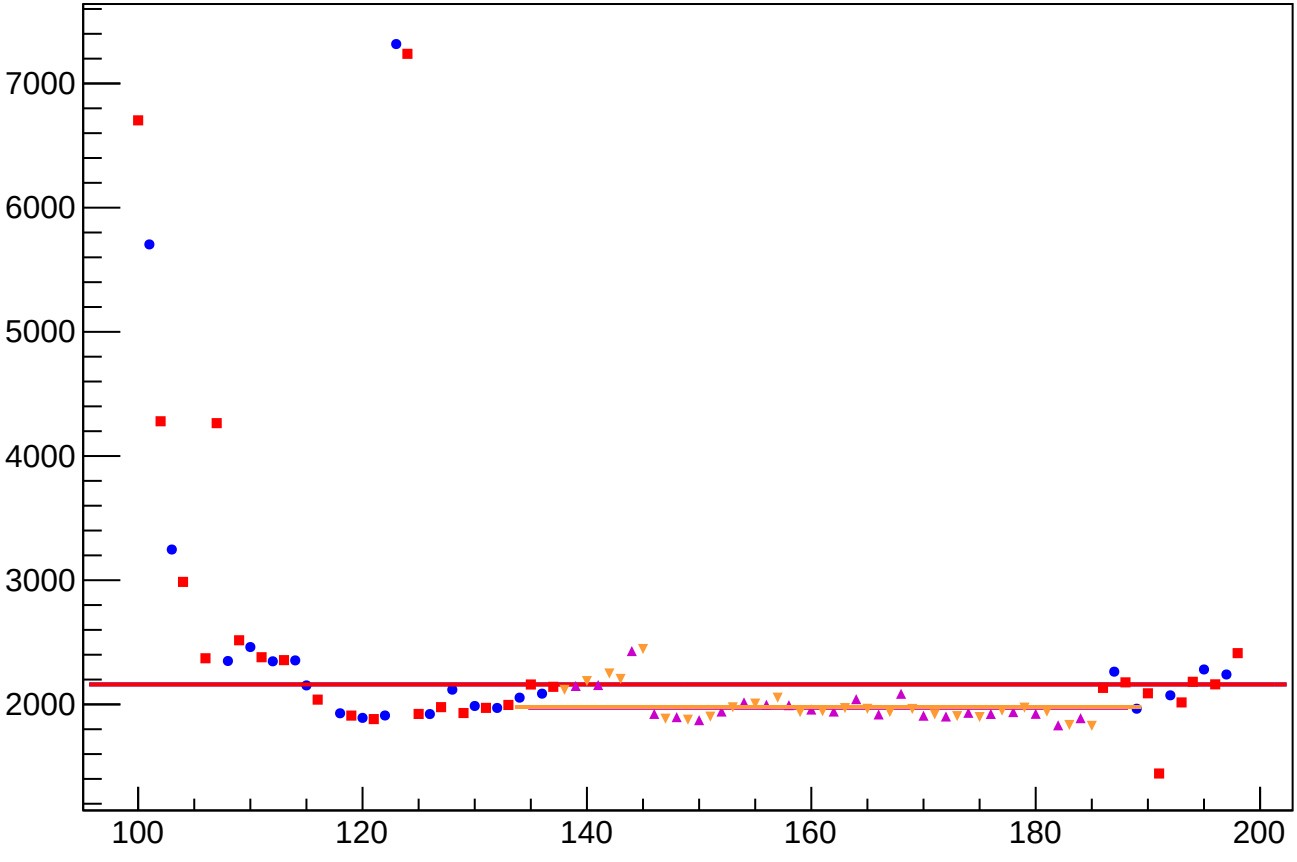
Right: 2335.631+/-473.899 χ^2/NDF: 48.4/48

In: 2207.801+/-393.991 χ^2/NDF:47.8/44

Out: 2036.471+/-374.461 χ^2/NDF:58.5/51

All: 2117.785+/-271.426 χ^2/NDF: 106.4/96

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2160.867+/-0.501 χ^2/NDF: 726764.0/21

Left Out: 1978.997+/-0.327 χ^2/NDF:139299.8/24

Right Out: 2160.599+/-0.451 χ^2/NDF: 923603.8/26

Left In: 1972.166+/-0.335 χ^2/NDF:116452.5/22

Left: 1975.665+/-0.234 χ^2/NDF: 255965.0/47

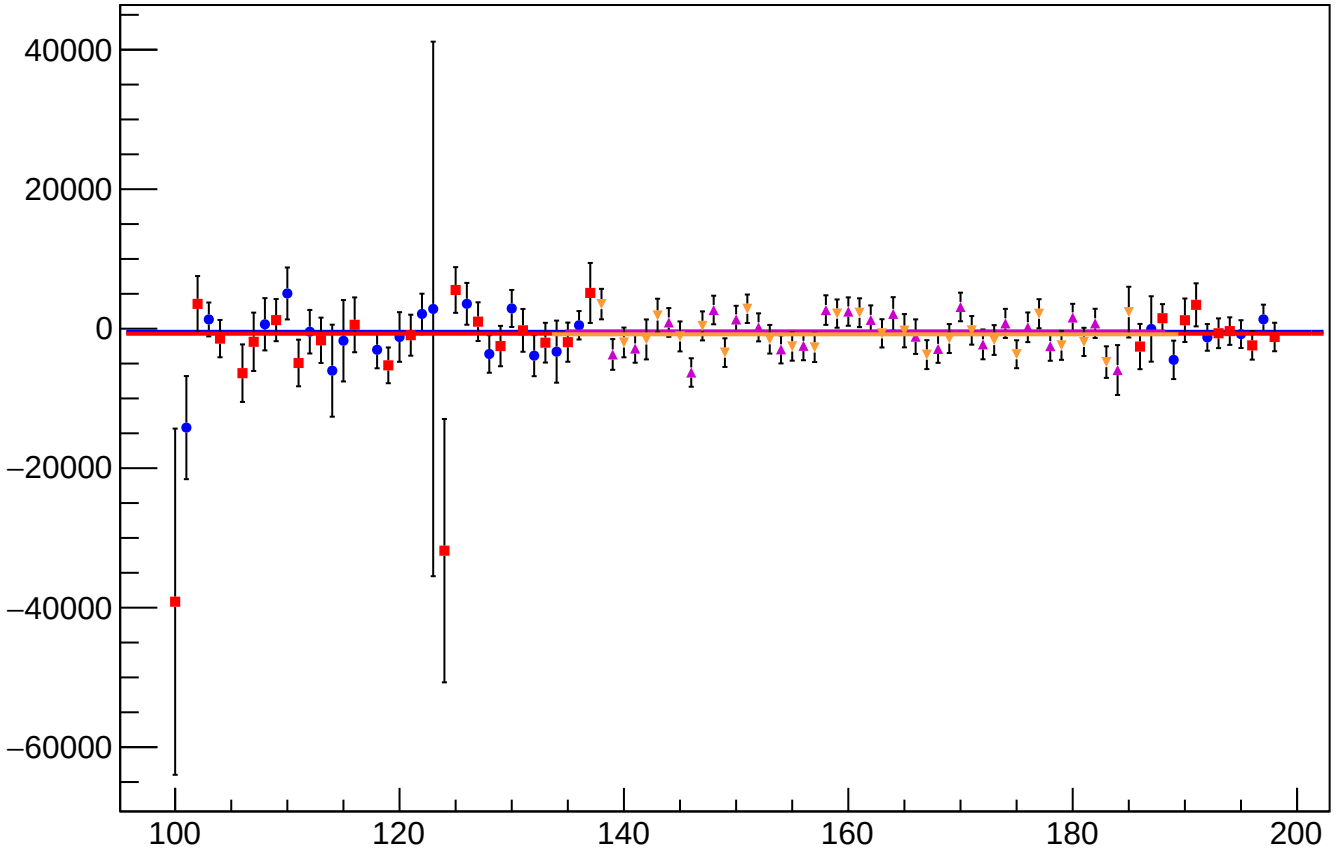
Right: 2160.719+/-0.335 χ^2/NDF: 1650368.0/48

In: 2030.521+/-0.279 χ^2/NDF:941218.3/44

Out: 2041.654+/-0.265 χ^2/NDF:1169203.4/51

All: 2036.371+/-0.192 χ^2/NDF: 2111260.7/96

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -448.168+/-625.889 χ^2/NDF: 18.6/21

Left Out: -808.436+/-430.304 χ^2/NDF:27.9/24

Right Out: -724.638+/-558.623 χ^2/NDF: 24.8/26

Left In: -398.797+/-441.246 χ^2/NDF:34.4/22

Left: -608.759+/-308.066 χ^2/NDF: 62.8/47

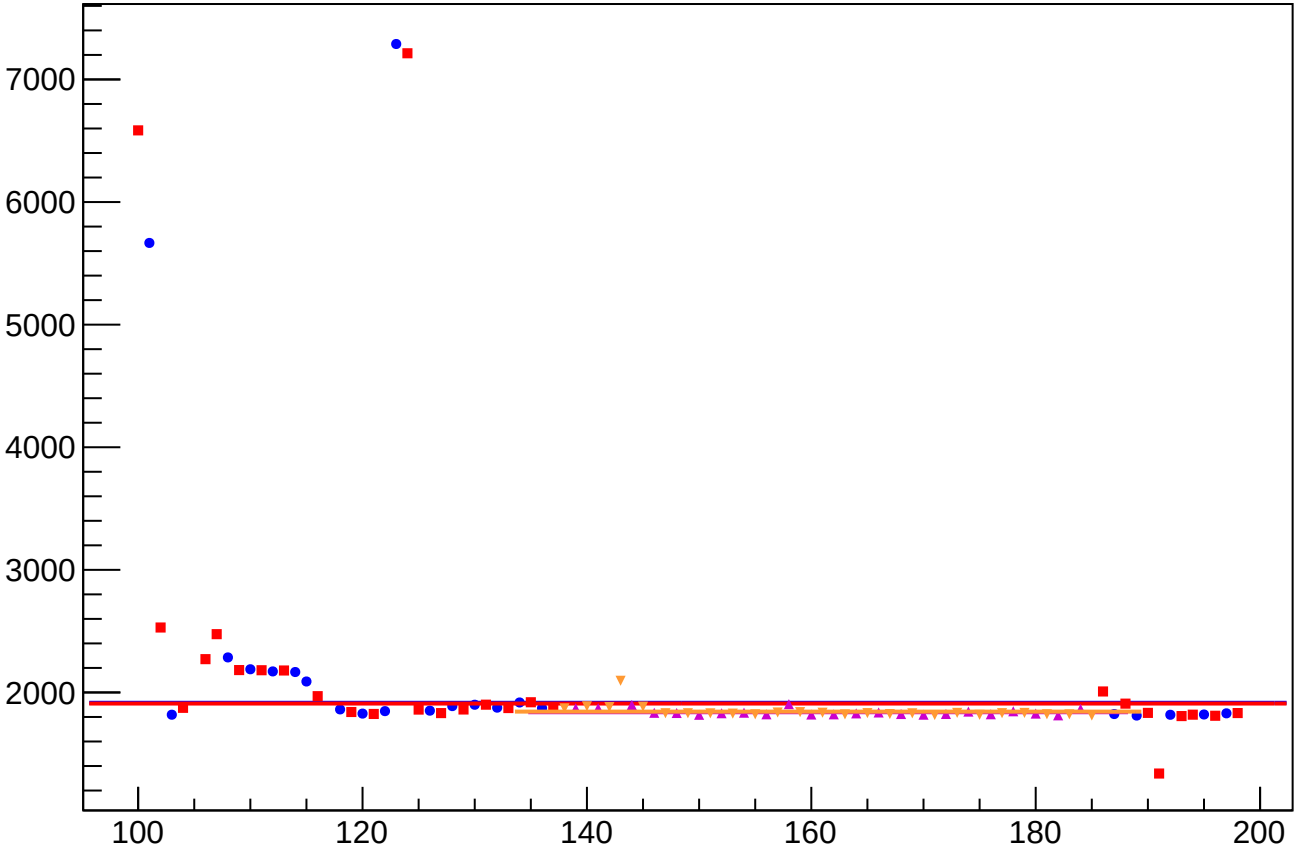
Right: -602.053+/-416.766 χ^2/NDF: 43.5/48

In: -415.188+/-360.635 χ^2/NDF:53.0/44

Out: -777.230+/-340.894 χ^2/NDF:52.7/51

All: -606.389+/-247.733 χ^2/NDF: 106.2/96

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1915.766+/-0.443 χ^2/NDF: 628340.2/21

Left Out: 1843.747+/-0.304 χ^2/NDF:26867.4/24

Right Out: 1909.522+/-0.395 χ^2/NDF: 467588.0/26

Left In: 1838.611+/-0.312 χ^2/NDF:6335.1/22

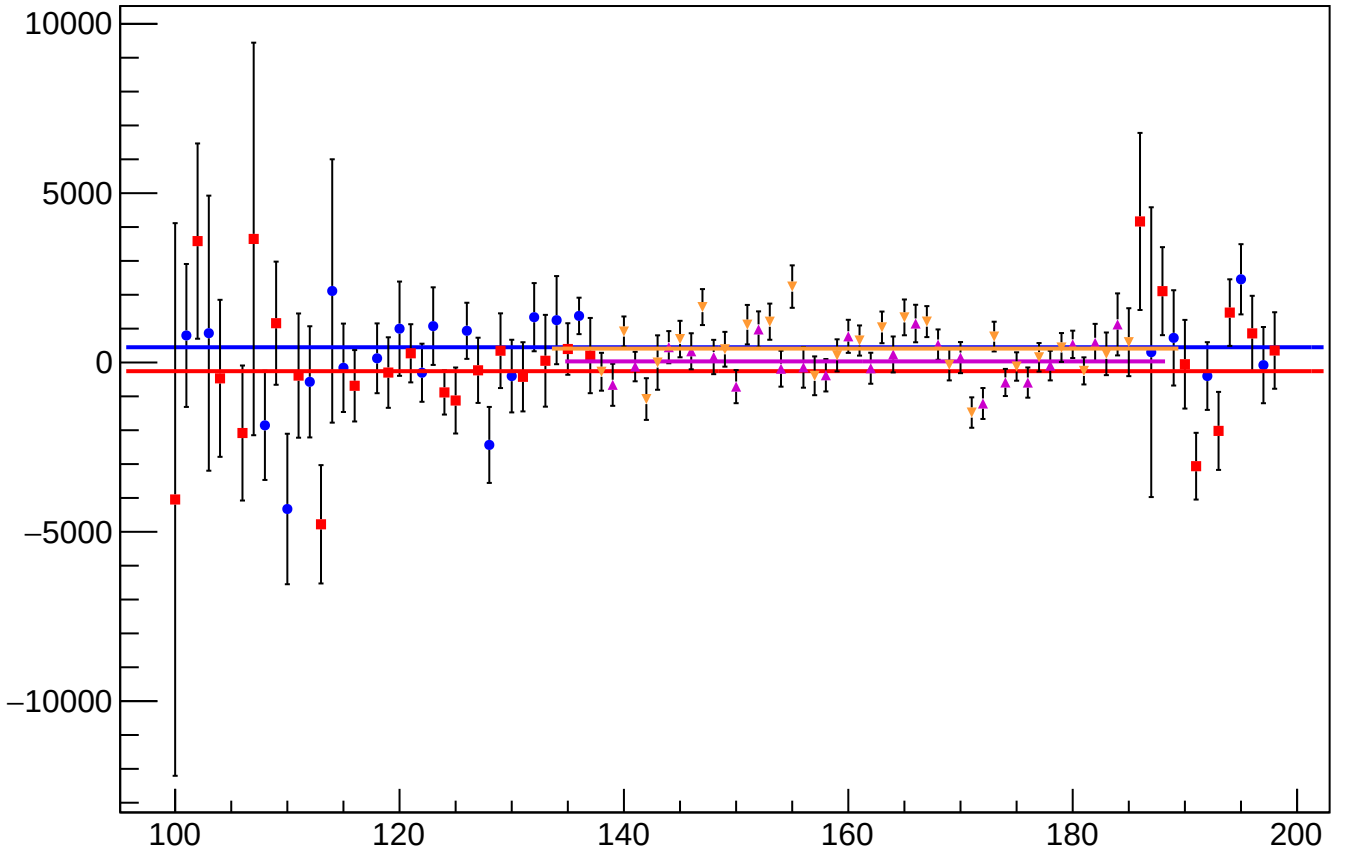
Left: 1841.243+/-0.218 χ^2/NDF: 33341.4/47

Right: 1912.290+/-0.295 χ^2/NDF: 1096038.9/48

In: 1864.227+/-0.255 χ^2/NDF:654977.1/44

Out: 1868.241+/-0.241 χ^2/NDF:511857.5/51

All: 1866.347+/-0.175 χ^2/NDF: 1166965.4/96



Right In: 450.408+/-243.227 χ^2/NDF: 25.2/21

Left Out: 411.072+/-100.456 χ^2/NDF:61.2/24

Right Out: -256.400+/-224.883 χ^2/NDF: 35.2/26

Left In: 32.456+/-102.403 χ^2/NDF:32.7/22

Left: 225.398+/-71.712 χ^2/NDF: 100.9/47

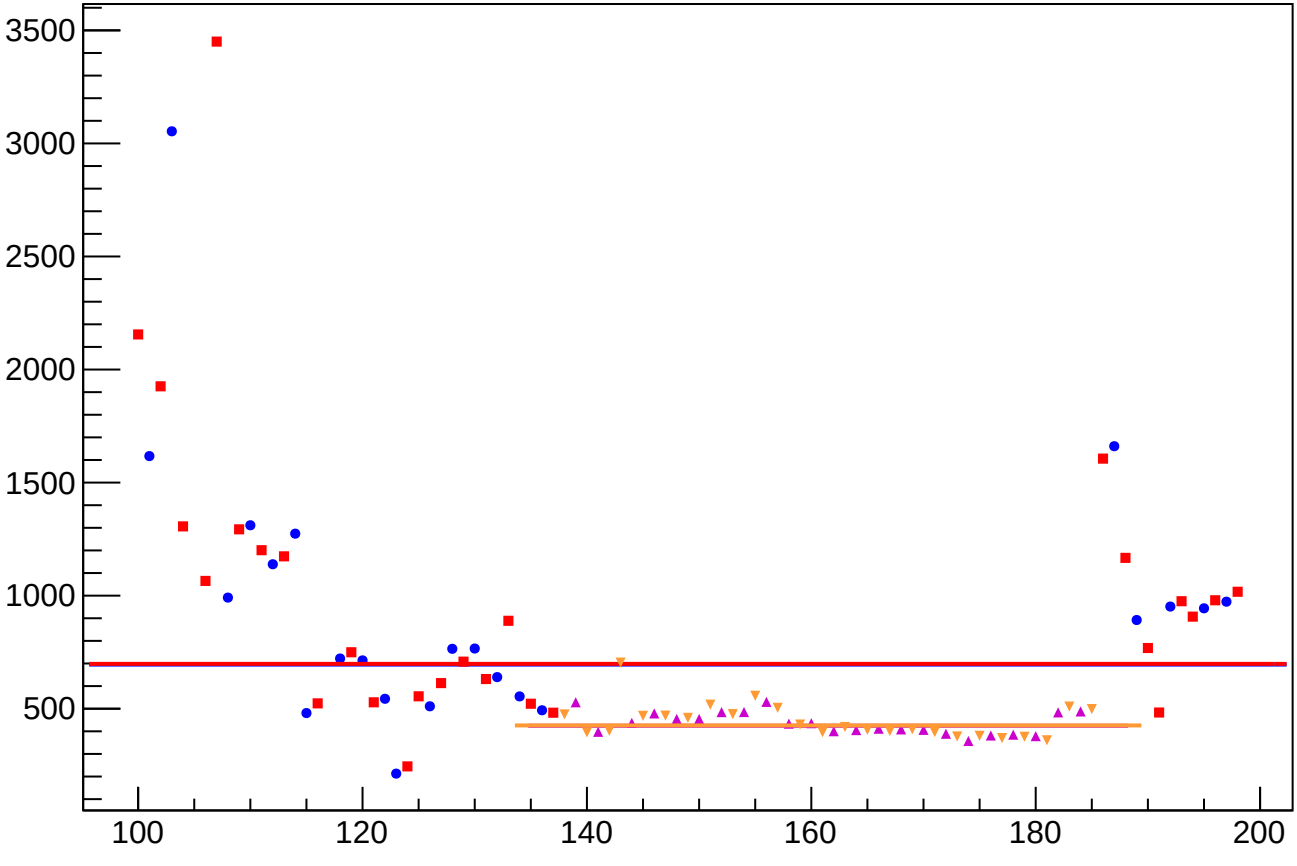
Right: 69.349+/-165.121 χ^2/NDF: 65.0/48

In: 95.386+/-94.380 χ^2/NDF:60.5/44

Out: 300.038+/-91.721 χ^2/NDF:103.7/51

All: 200.635+/-65.776 χ^2/NDF: 166.6/96

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.208+/-0.172 χ^2/NDF: 2877000.0/21

Left Out: 426.027+/-0.071 χ^2/NDF:733072.9/24

Right Out: 698.225+/-0.159 χ^2/NDF: 4081719.6/26

Left In: 424.639+/-0.072 χ^2/NDF:391611.2/22

Left: 425.346+/-0.051 χ^2/NDF: 1124871.5/47

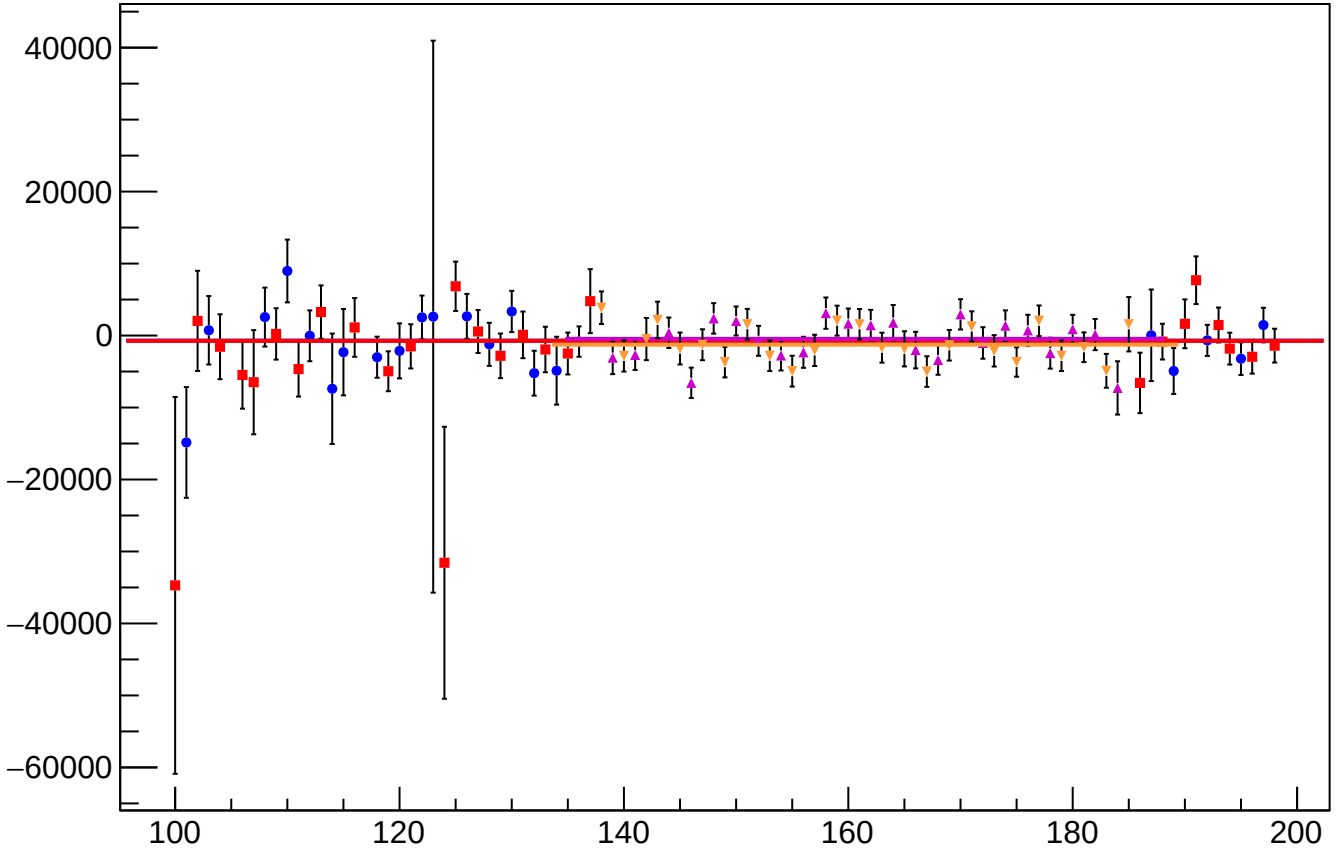
Right: 696.835+/-0.117 χ^2/NDF: 6958885.5/48

In: 465.378+/-0.067 χ^2/NDF:5370908.0/44

Out: 471.307+/-0.065 χ^2/NDF:7257492.0/51

All: 468.427+/-0.047 χ^2/NDF: 12632460.1/96

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -709.454+/-704.703 χ^2/NDF: 21.7/21

Left Out: -1267.885+/-443.219 χ^2/NDF:30.8/24

Right Out: -738.739+/-638.297 χ^2/NDF: 29.7/26

Left In: -462.599+/-453.947 χ^2/NDF:32.6/22

Left: -874.870+/-317.128 χ^2/NDF: 65.0/47

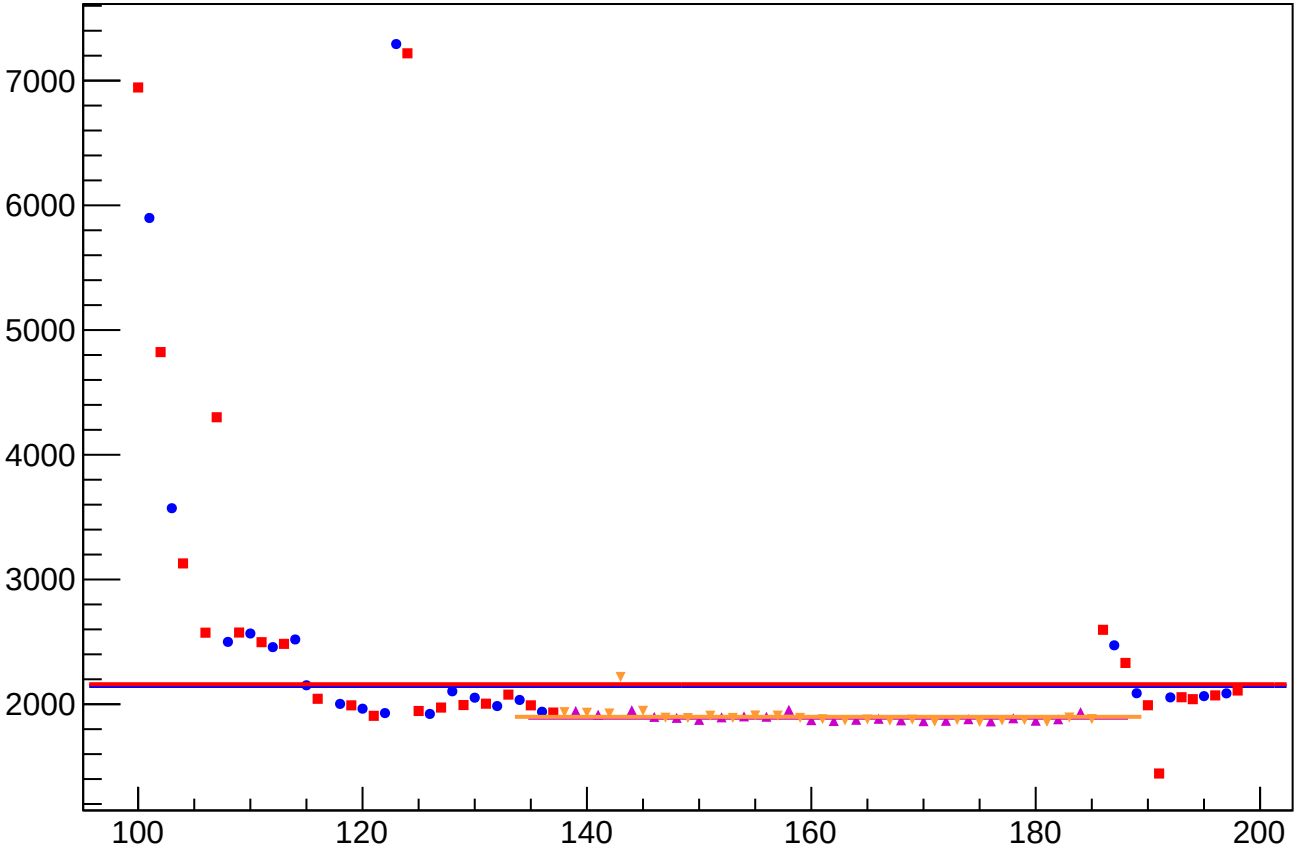
Right: -725.541+/-473.083 χ^2/NDF: 51.4/48

In: -534.993+/-381.622 χ^2/NDF:54.4/44

Out: -1095.749+/-364.058 χ^2/NDF:60.9/51

All: -828.572+/-263.419 χ^2/NDF: 116.4/96

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2146.276+/-0.498 χ^2/NDF: 817057.6/21

Left Out: 1898.962+/-0.313 χ^2/NDF:38680.4/24

Right Out: 2160.433+/-0.451 χ^2/NDF: 1048491.3/26

Left In: 1891.693+/-0.321 χ^2/NDF:7420.7/22

Left: 1895.414+/-0.224 χ^2/NDF: 46363.6/47

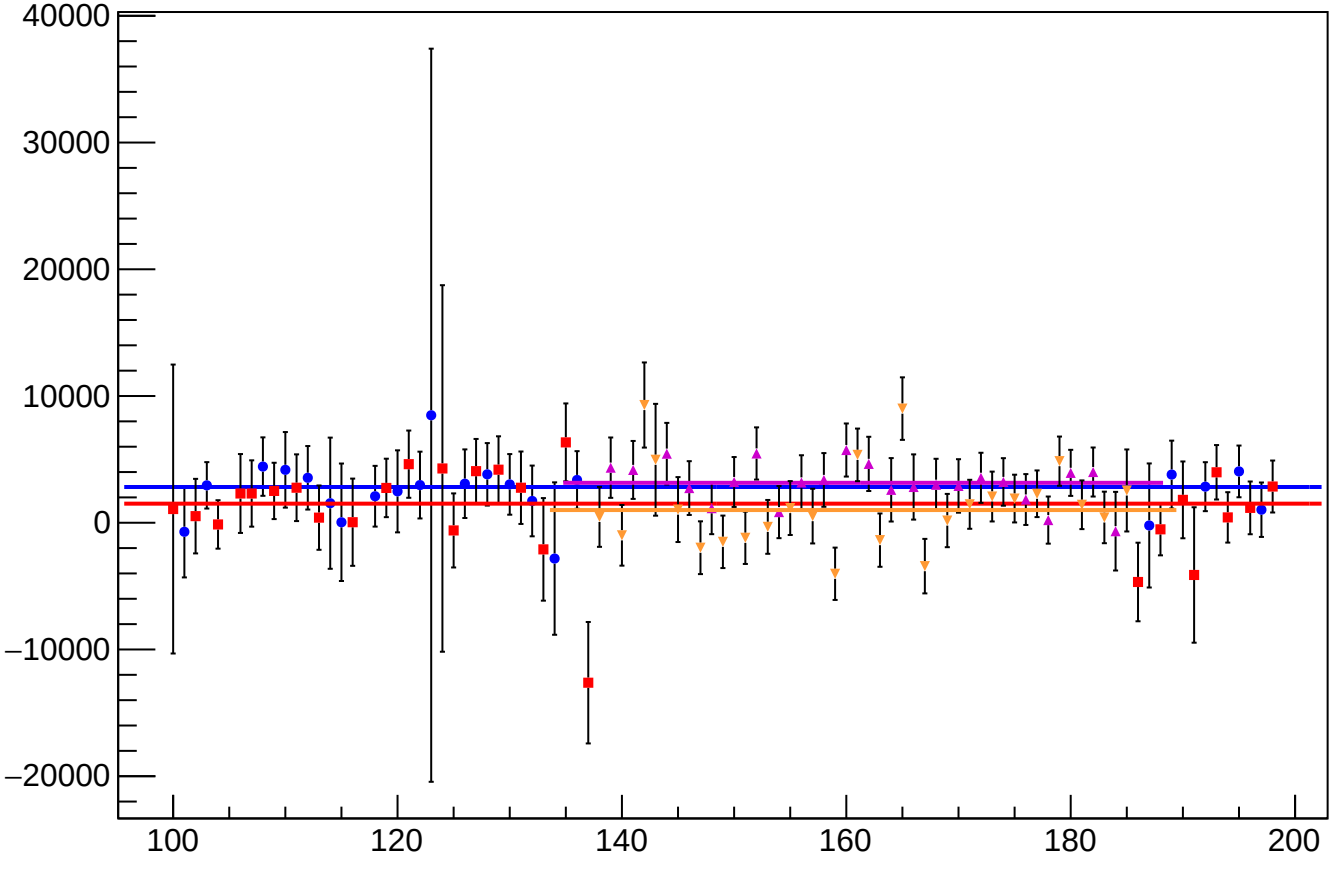
Right: 2154.053+/-0.335 χ^2/NDF: 1865992.3/48

In: 1966.352+/-0.270 χ^2/NDF:1008952.7/44

Out: 1984.021+/-0.257 χ^2/NDF:1313603.9/51

All: 1975.602+/-0.186 χ^2/NDF: 2324801.0/96

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2820.229+/-571.133 χ^2/NDF: 5.2/21

Left Out: 1001.263+/-435.247 χ^2/NDF:44.6/24

Right Out: 1505.959+/-517.041 χ^2/NDF: 26.4/26

Left In: 3150.437+/-441.145 χ^2/NDF:11.8/22

Left: 2061.387+/-309.830 χ^2/NDF: 68.5/47

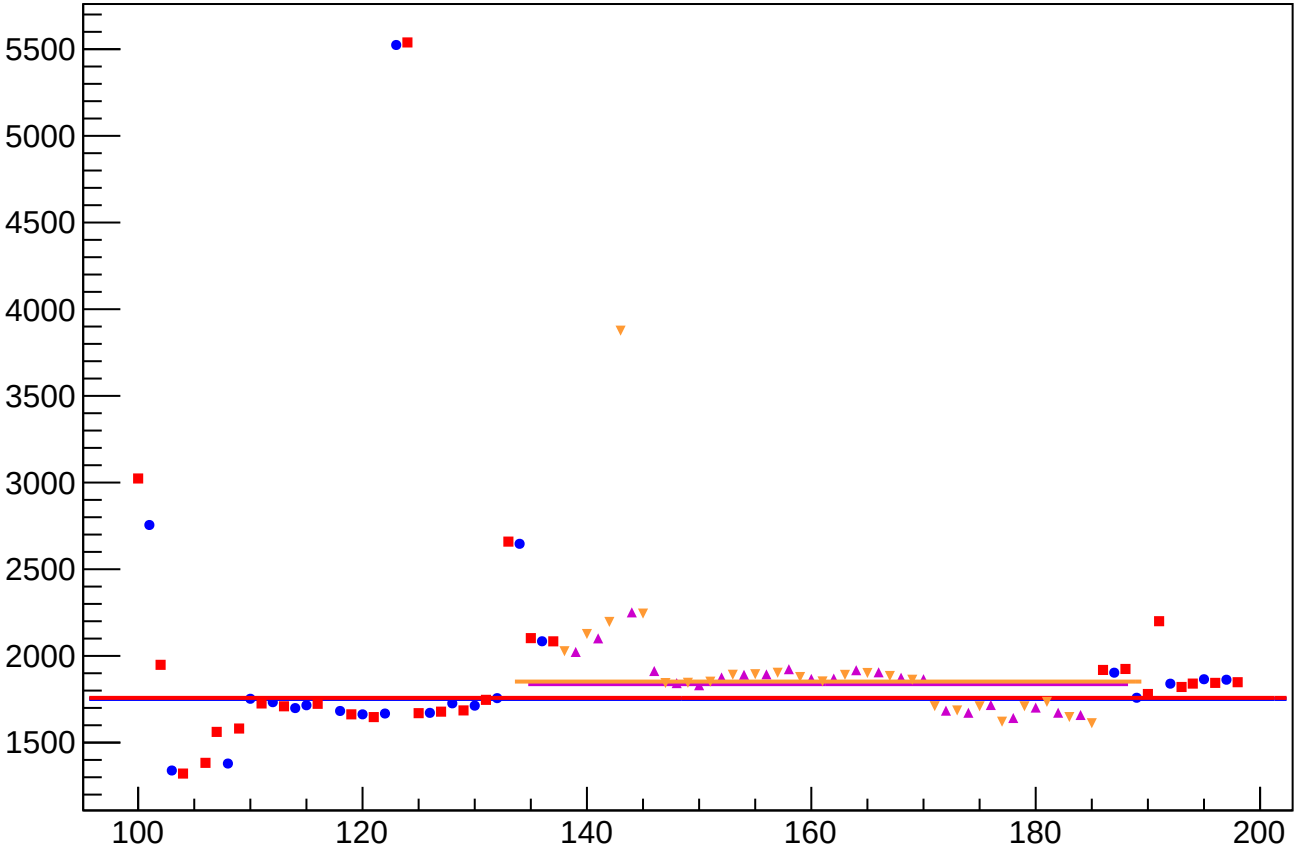
Right: 2097.924+/-383.304 χ^2/NDF: 34.5/48

In: 3027.048+/-349.126 χ^2/NDF:17.2/44

Out: 1210.579+/-332.975 χ^2/NDF:71.6/51

All: 2075.825+/-240.956 χ^2/NDF: 103.0/96

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1751.686+/-0.404 χ^2/NDF: 456247.3/21

Left Out: 1851.959+/-0.308 χ^2/NDF:648954.2/24

Right Out: 1757.932+/-0.366 χ^2/NDF: 519035.7/26

Left In: 1837.151+/-0.312 χ^2/NDF:200514.0/22

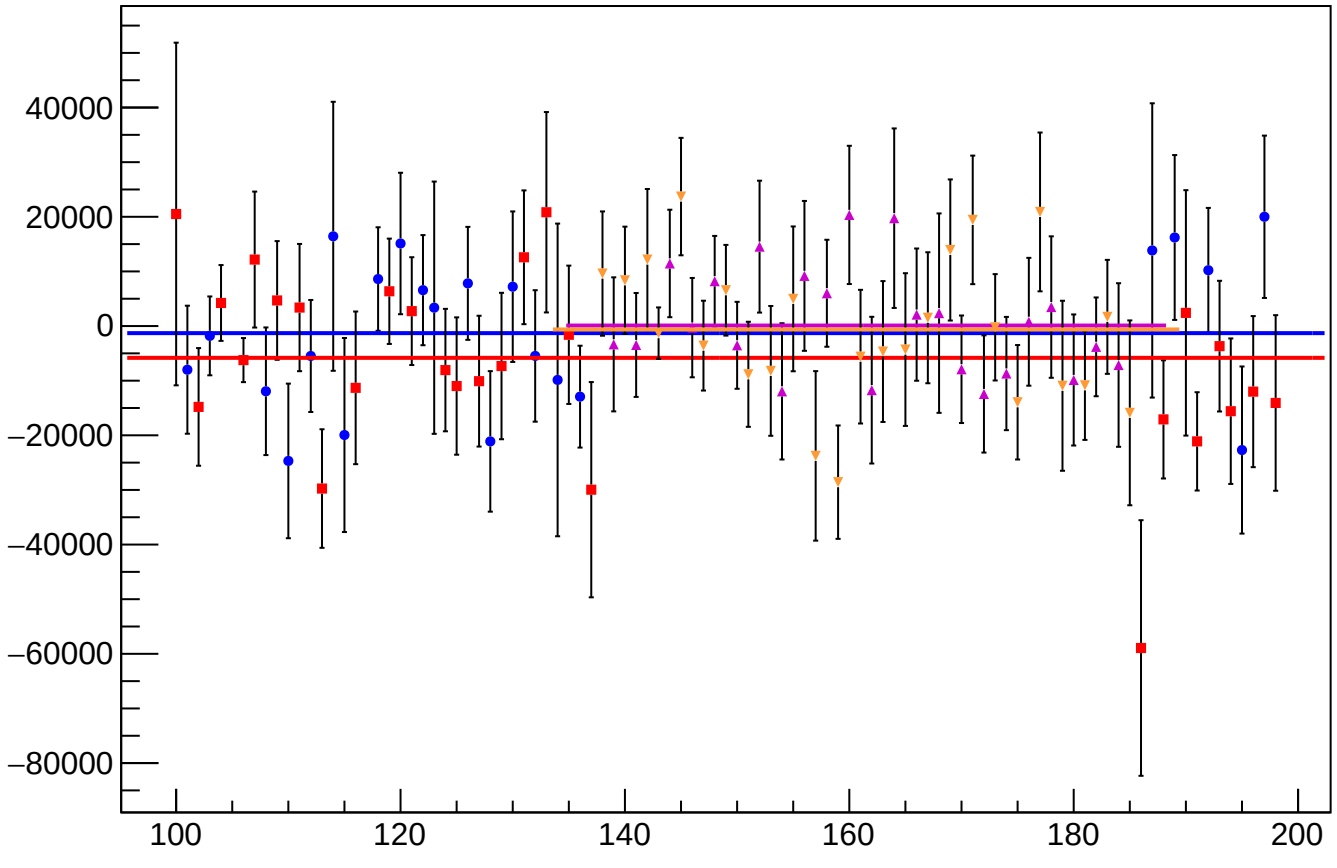
Left: 1844.654+/-0.219 χ^2/NDF: 850610.1/47

Right: 1755.118+/-0.271 χ^2/NDF: 975414.5/48

In: 1805.215+/-0.247 χ^2/NDF:684811.3/44

Out: 1812.962+/-0.235 χ^2/NDF:1206701.3/51

All: 1809.272+/-0.170 χ^2/NDF: 1892028.3/96



Right In: -1296.893+/-2630.410 χ^2/NDF: 21.0/21

Left Out: -619.372+/-2069.686 χ^2/NDF:30.1/24

Right Out: -5818.403+/-2038.944 χ^2/NDF: 31.1/26

Left In: 93.334+/-2293.826 χ^2/NDF:14.6/22

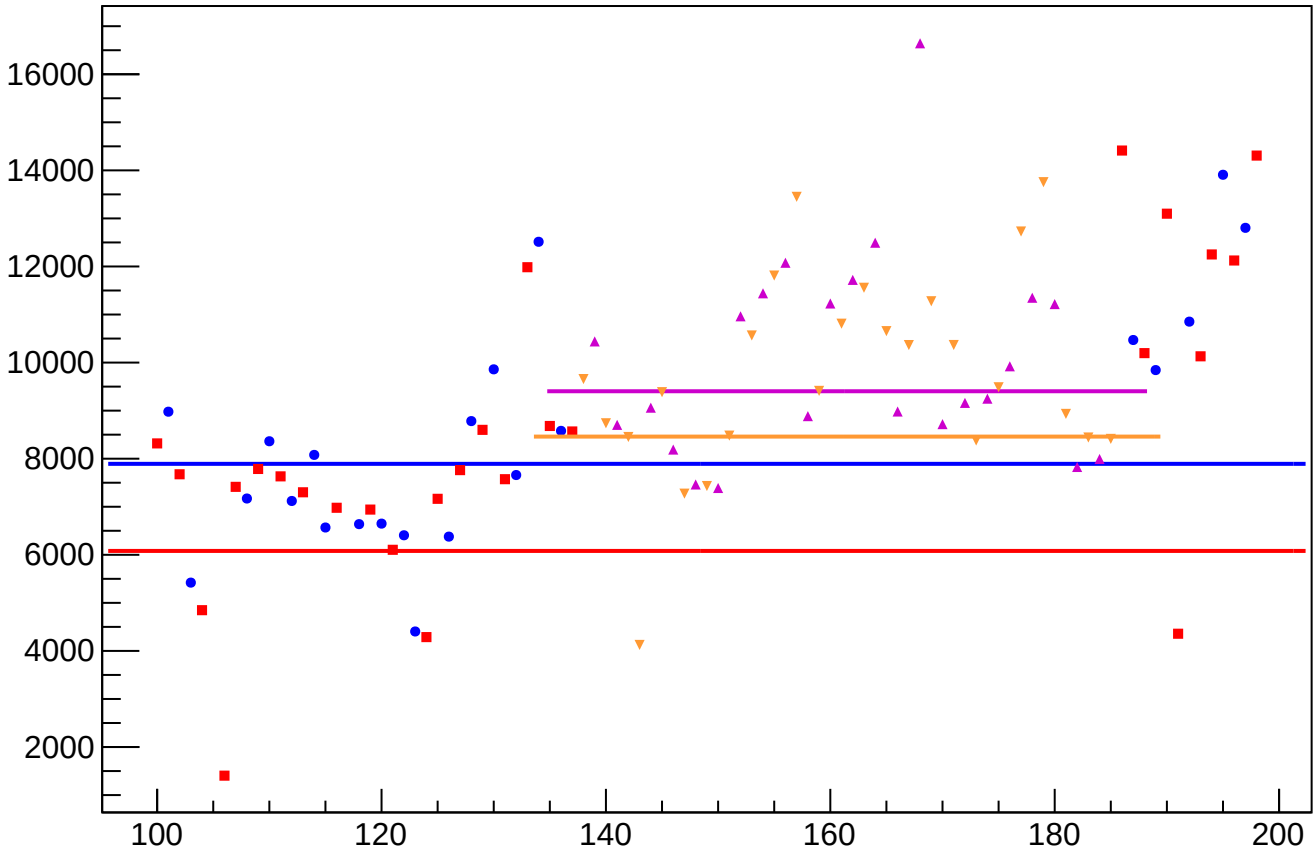
Left: -299.532+/-1536.638 χ^2/NDF: 44.8/47

Right: -4121.342+/-1611.500 χ^2/NDF: 54.0/48

In: -507.196+/-1728.812 χ^2/NDF:35.8/44

Out: -3257.786+/-1452.498 χ^2/NDF:64.5/51

All: -2119.606+/-1112.091 χ^2/NDF: 101.8/96



Right In: 7892.937+/-1.860 χ^2/NDF: 1298056.9/21

Left Out: 8459.960+/-1.463 χ^2/NDF:3087200.5/24

Right Out: 6080.659+/-1.442 χ^2/NDF: 5869066.5/26

Left In: 9403.481+/-1.622 χ^2/NDF:1142646.9/22

Left: 8883.382+/-1.087 χ^2/NDF: 4416376.4/47

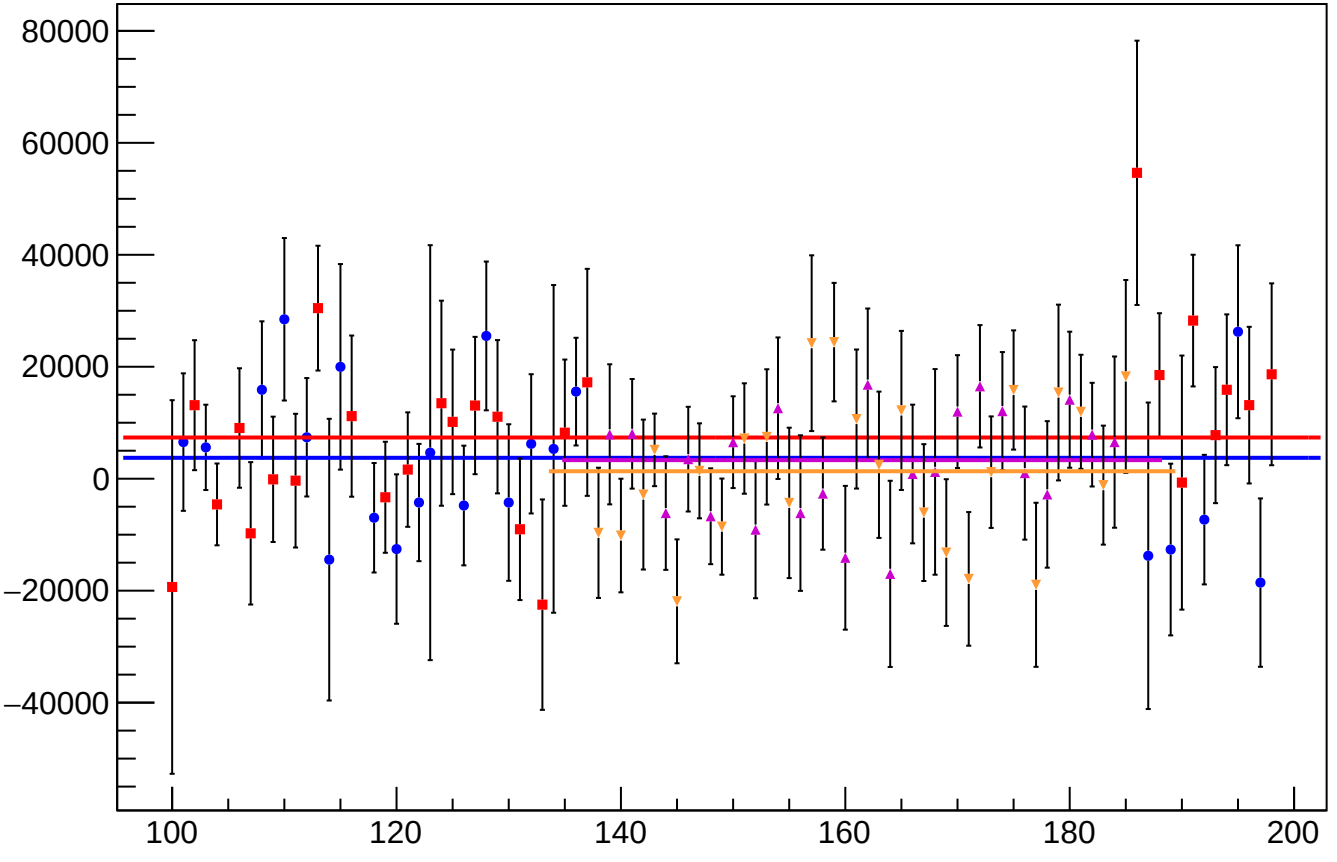
Right: 6760.862+/-1.140 χ^2/NDF: 7760162.1/48

In: 8750.978+/-1.222 χ^2/NDF:2815353.1/44

Out: 7252.508+/-1.027 χ^2/NDF:10297612.1/51

All: 7872.567+/-0.786 χ^2/NDF: 13993771.5/9

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3734.248+/-2728.683 χ^2/NDF: 20.7/21

Left Out: 1332.828+/-2213.733 χ^2/NDF:28.0/24

Right Out: 7361.929+/-2437.887 χ^2/NDF: 26.4/26

Left In: 3316.909+/-2344.543 χ^2/NDF:13.7/22

Left: 2267.978+/-1609.604 χ^2/NDF: 42.2/47

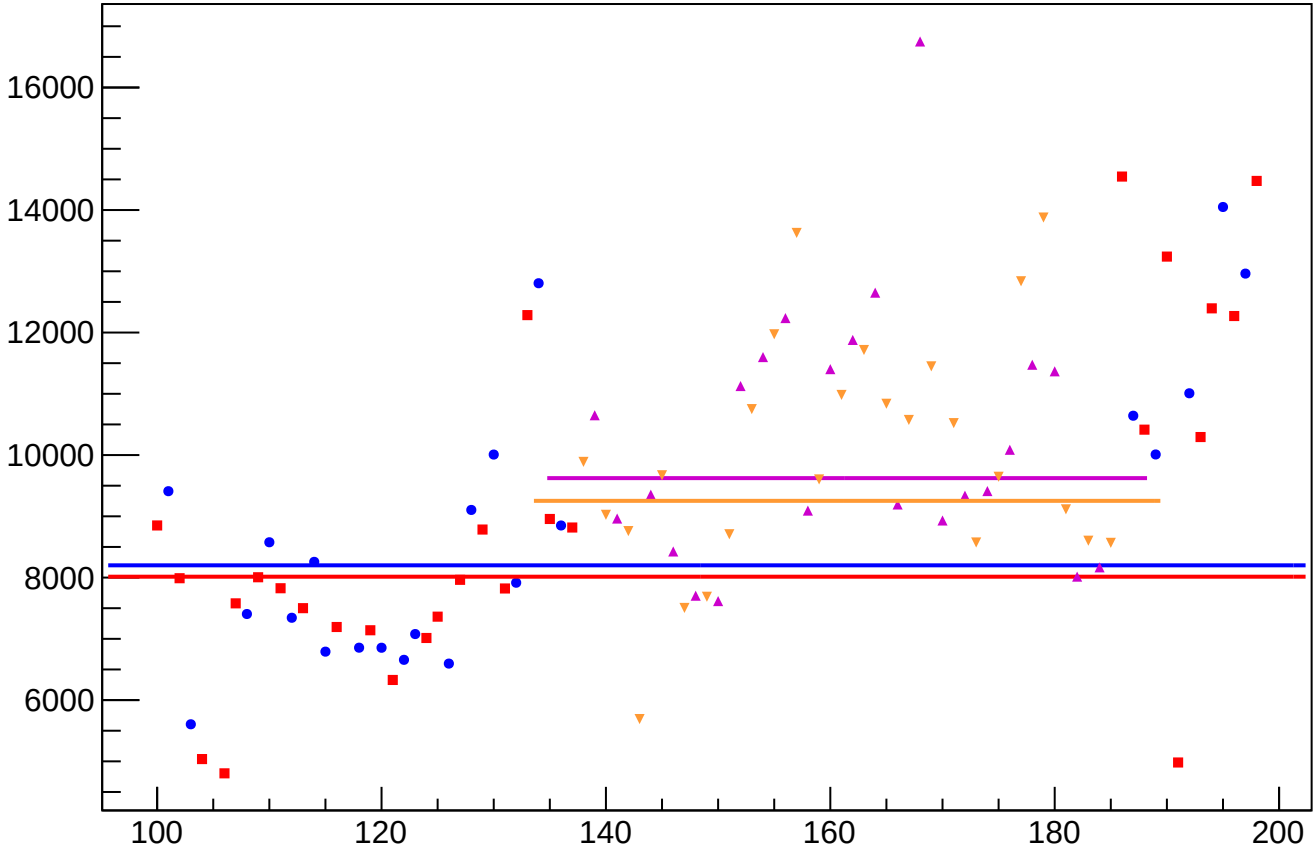
Right: 5751.625+/-1817.994 χ^2/NDF: 48.0/48

In: 3494.158+/-1778.282 χ^2/NDF:34.4/44

Out: 4057.520+/-1638.875 χ^2/NDF:57.8/51

All: 3798.784+/-1205.134 χ^2/NDF: 92.2/96

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8200.002+/-1.929 χ^2/NDF: 1185730.4/21

Left Out: 9252.712+/-1.565 χ^2/NDF:1597668.9/24

Right Out: 8014.426+/-1.724 χ^2/NDF: 2002685.2/26

Left In: 9623.485+/-1.658 χ^2/NDF:1069924.0/22

Left: 9427.467+/-1.138 χ^2/NDF: 2694036.4/47

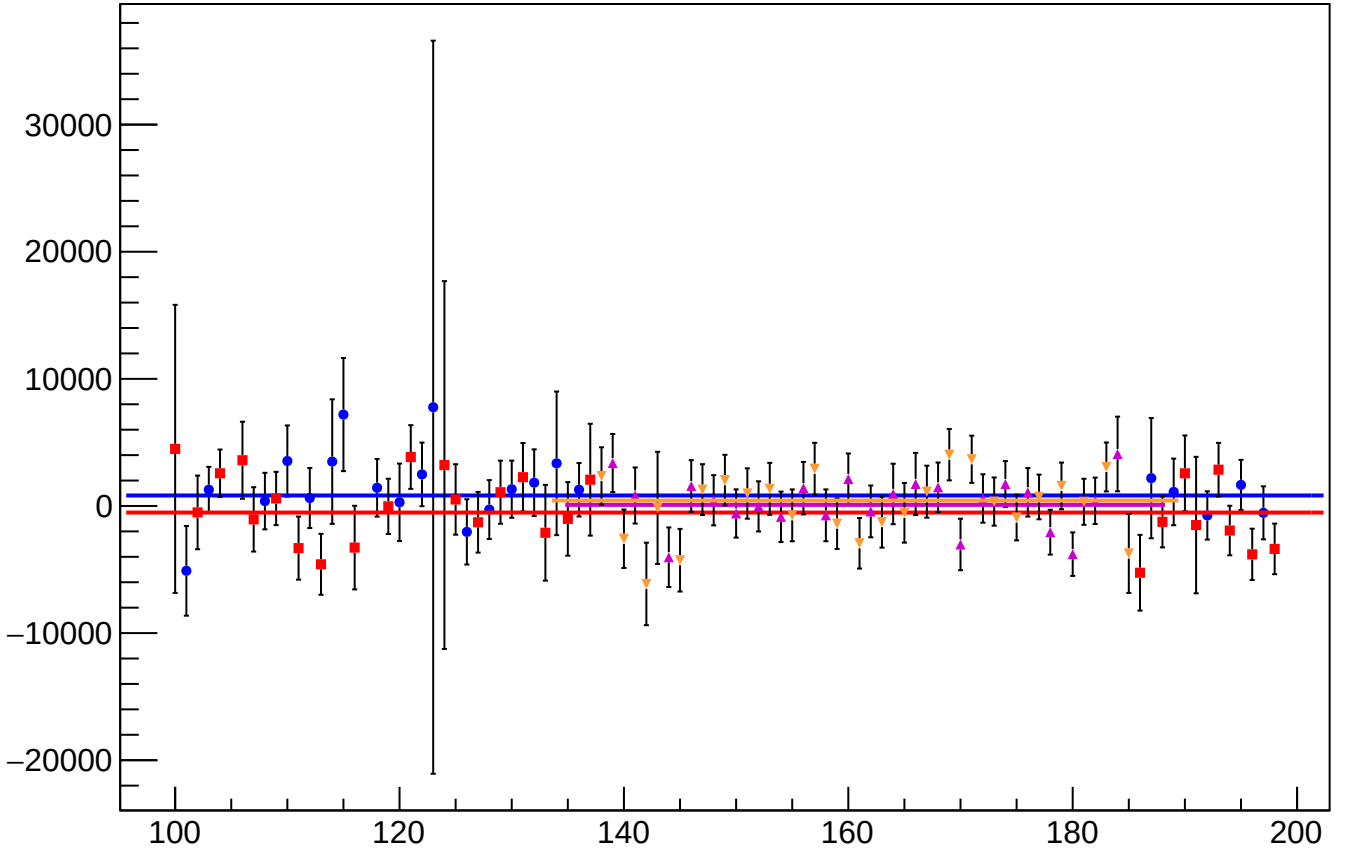
Right: 8096.795+/-1.285 χ^2/NDF: 3193560.5/48

In: 9018.899+/-1.257 χ^2/NDF:2568784.1/44

Out: 8693.040+/-1.159 χ^2/NDF:3883189.5/51

All: 8842.692+/-0.852 χ^2/NDF: 6488288.9/96

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 826.147+/-546.585 χ^2/NDF: 10.1/21

Left Out: 429.447+/-416.378 χ^2/NDF:28.7/24

Right Out: -518.035+/-496.715 χ^2/NDF: 27.0/26

Left In: 88.373+/-421.957 χ^2/NDF:21.0/22

Left: 261.180+/-296.376 χ^2/NDF: 50.0/47

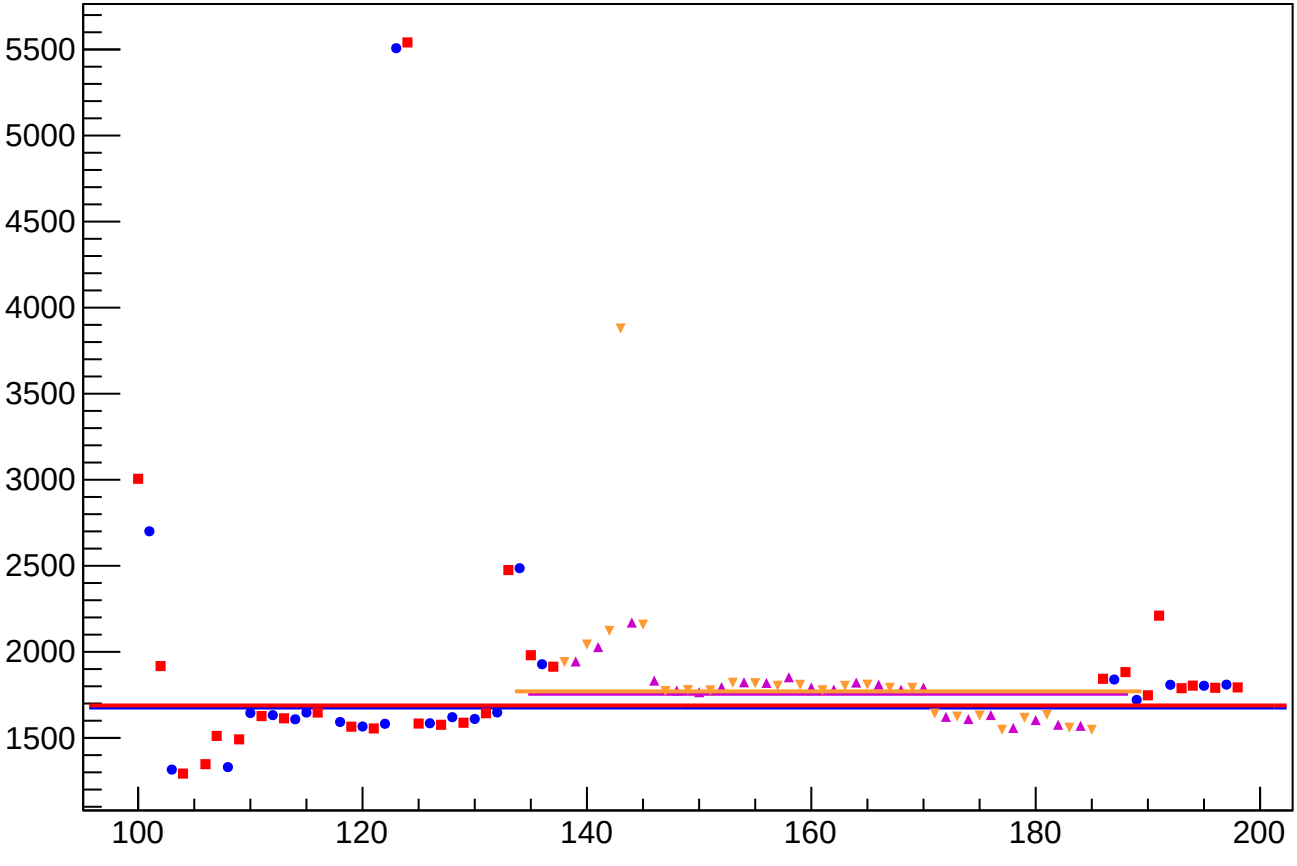
Right: 89.950+/-367.599 χ^2/NDF: 40.4/48

In: 363.873+/-334.008 χ^2/NDF:32.2/44

Out: 38.428+/-319.095 χ^2/NDF:57.8/51

All: 193.723+/-230.726 χ^2/NDF: 90.5/96

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1676.638+/-0.386 χ^2/NDF: 446503.1/21

Left Out: 1770.384+/-0.294 χ^2/NDF:699536.9/24

Right Out: 1688.562+/-0.351 χ^2/NDF: 529284.4/26

Left In: 1756.623+/-0.298 χ^2/NDF:223077.6/22

Left: 1763.595+/-0.210 χ^2/NDF: 923692.1/47

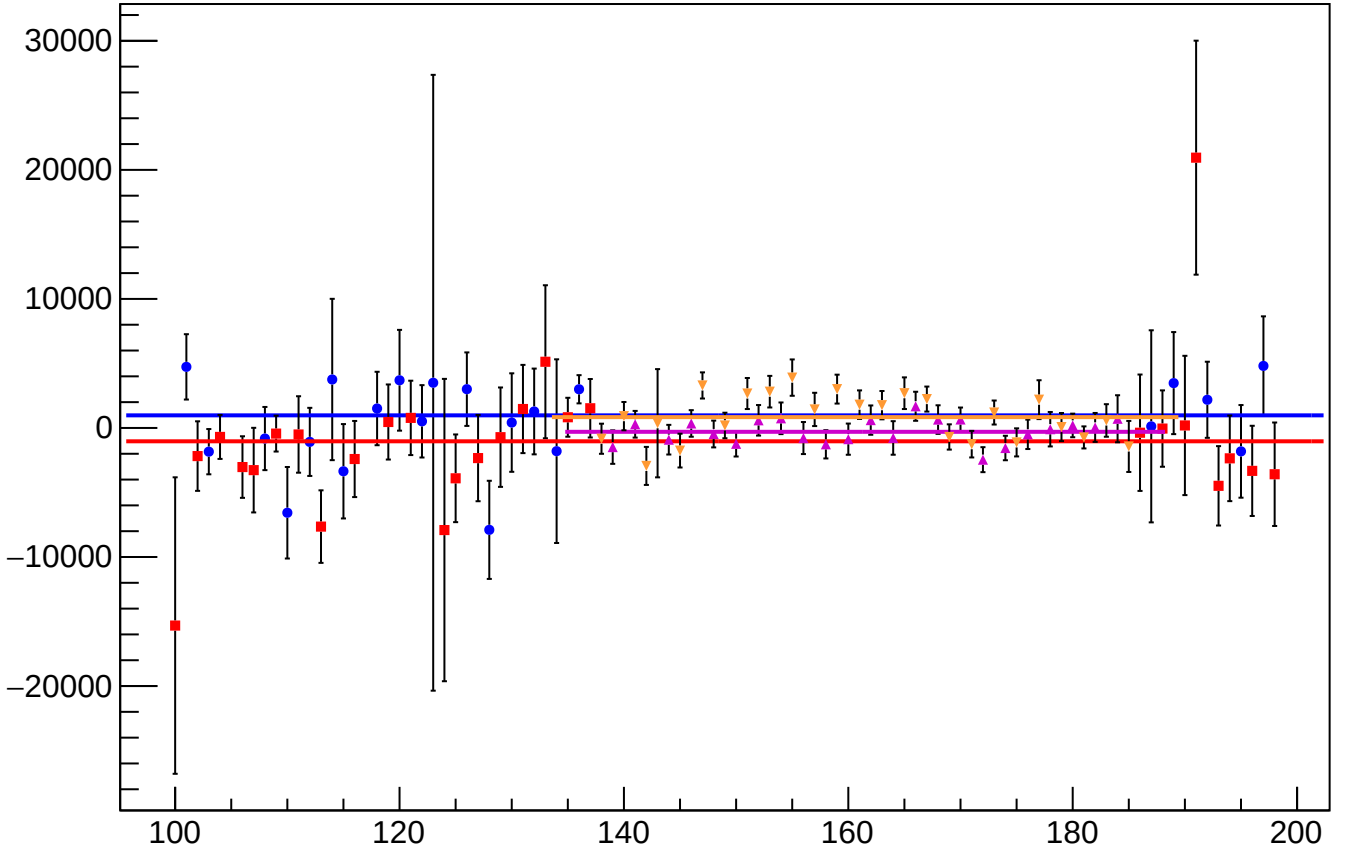
Right: 1683.168+/-0.260 χ^2/NDF: 976308.8/48

In: 1726.755+/-0.236 χ^2/NDF:696416.5/44

Out: 1736.616+/-0.226 χ^2/NDF:1260694.2/51

All: 1731.911+/-0.163 χ^2/NDF: 1958022.2/96

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 976.989+/-593.414 χ^2/NDF: 24.3/21

Left Out: 839.344+/-230.465 χ^2/NDF:54.4/24

Right Out: -1034.159+/-540.848 χ^2/NDF: 23.5/26

Left In: -298.801+/-231.400 χ^2/NDF:18.3/22

Left: 272.574+/-163.293 χ^2/NDF: 84.9/47

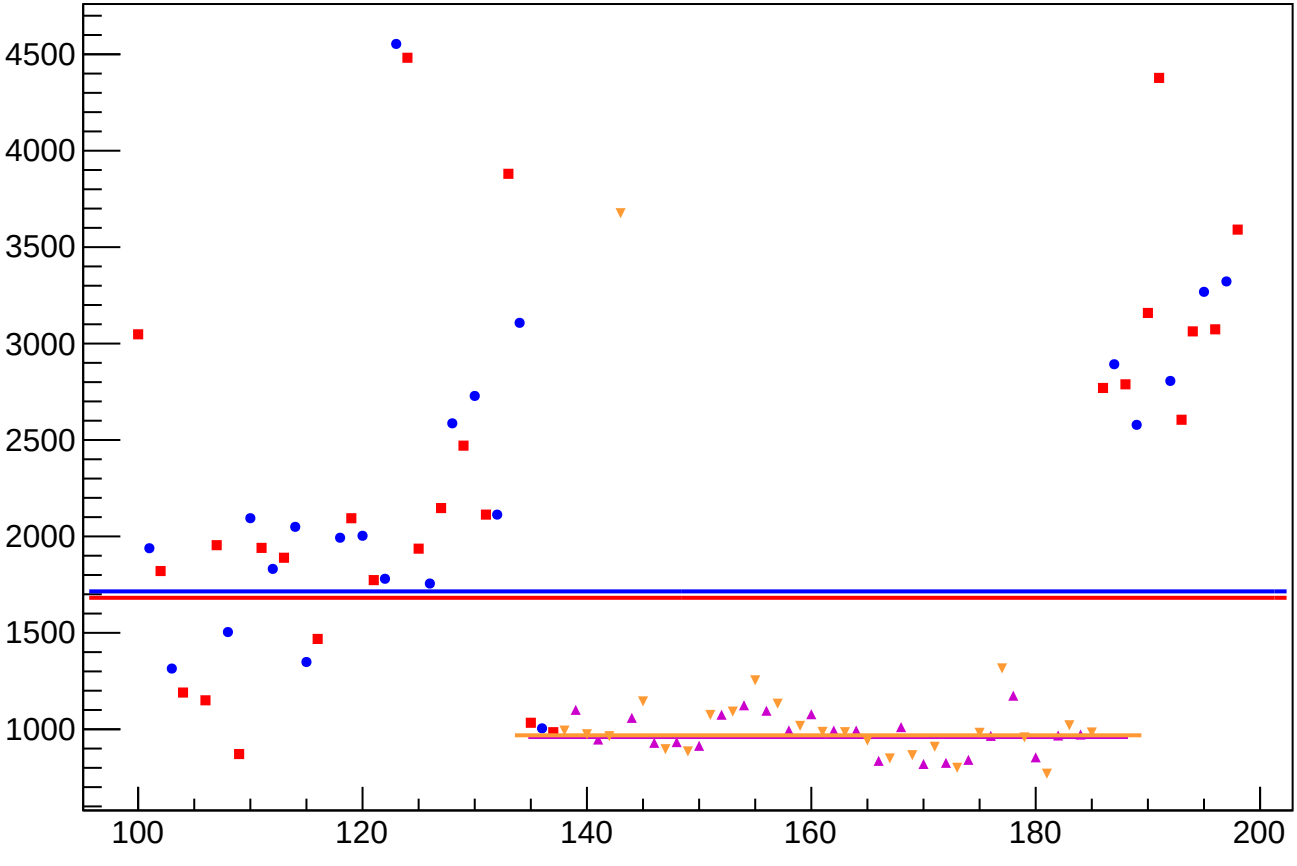
Right: -121.590+/-399.732 χ^2/NDF: 54.1/48

In: -130.412+/-215.588 χ^2/NDF:46.7/44

Out: 551.437+/-212.019 χ^2/NDF:88.0/51

All: 216.204+/-151.166 χ^2/NDF: 139.8/96

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1715.021+/-0.420 χ^2/NDF: 2586019.0/21

Left Out: 968.712+/-0.163 χ^2/NDF:1393696.6/24

Right Out: 1681.738+/-0.382 χ^2/NDF: 4204449.1/26

Left In: 959.805+/-0.164 χ^2/NDF:371210.5/22

Left: 964.276+/-0.115 χ^2/NDF: 1766394.7/47

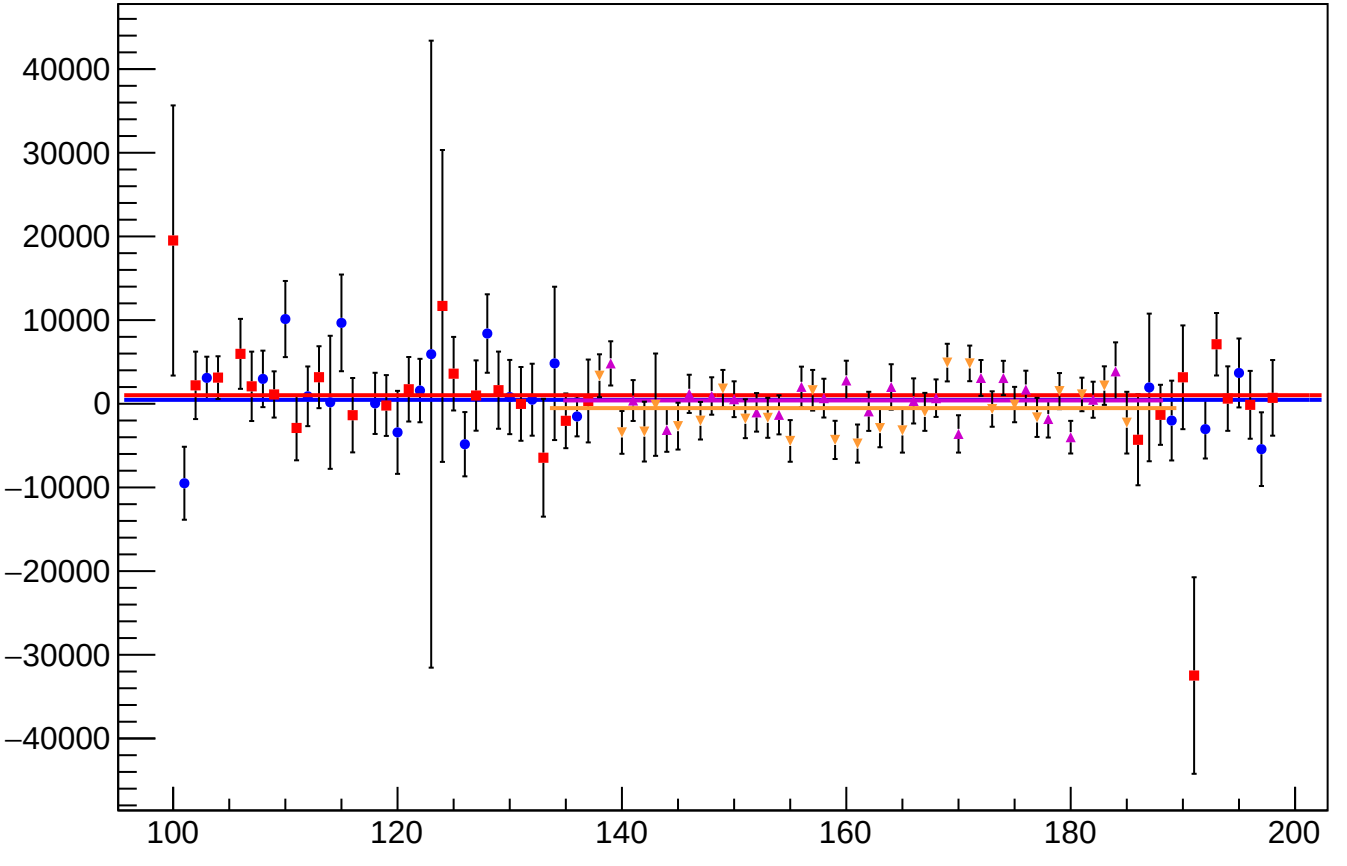
Right: 1696.840+/-0.283 χ^2/NDF: 6793904.9/48

In: 1059.484+/-0.152 χ^2/NDF:5769017.6/44

Out: 1078.285+/-0.150 χ^2/NDF:8540051.2/51

All: 1069.041+/-0.107 χ^2/NDF: 14316800.6/9

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 468.730+/-873.687 χ^2/NDF: 24.0/21

Left Out: -517.719+/-481.486 χ^2/NDF:34.0/24

Right Out: 1023.078+/-801.516 χ^2/NDF: 20.5/26

Left In: 397.398+/-485.048 χ^2/NDF:21.8/22

Left: -63.533+/-341.714 χ^2/NDF: 57.7/47

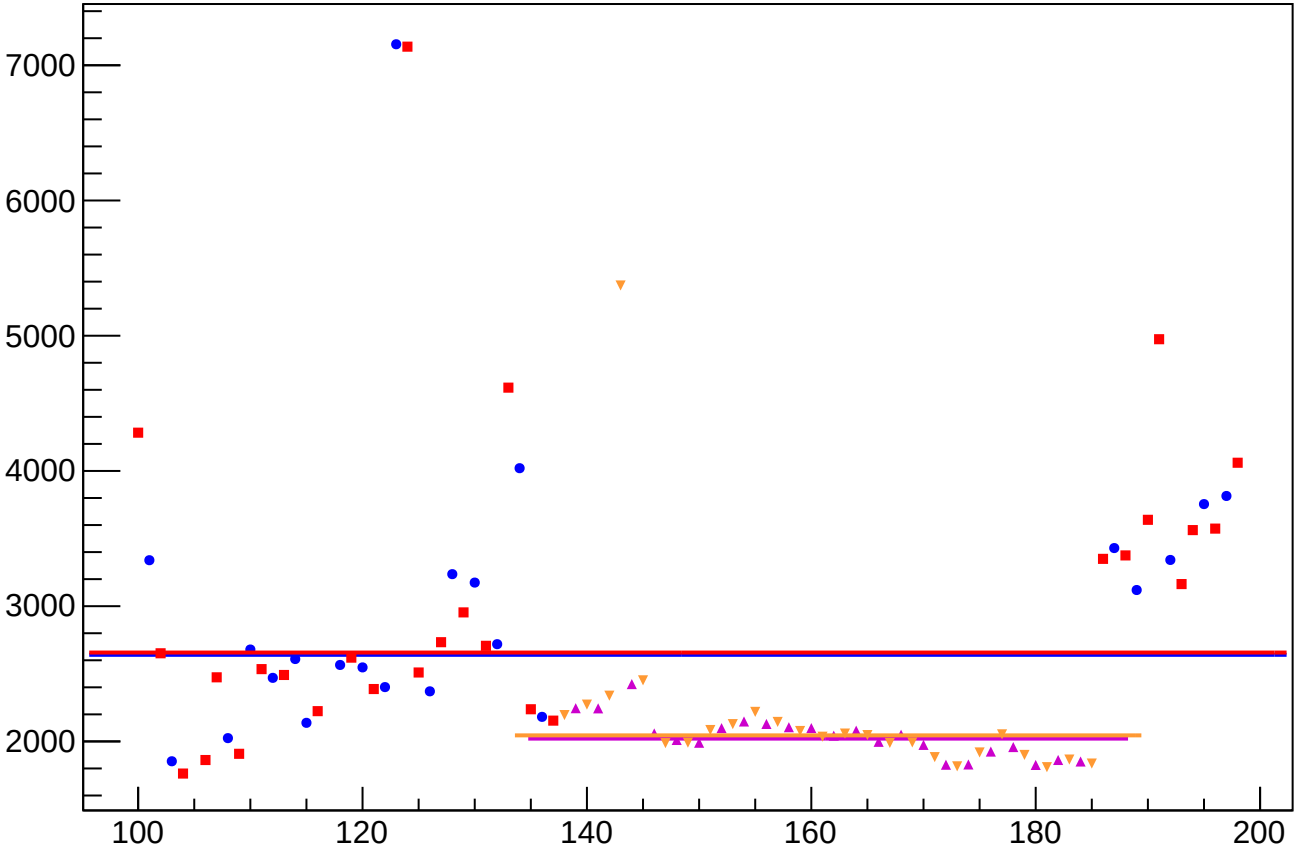
Right: 769.743+/-590.626 χ^2/NDF: 44.7/48

In: 414.204+/-424.077 χ^2/NDF:45.8/44

Out: -109.142+/-412.740 χ^2/NDF:57.3/51

All: 145.442+/-295.778 χ^2/NDF: 103.9/96

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2640.407+/-0.618 χ^2/NDF: 966232.9/21

Left Out: 2044.722+/-0.340 χ^2/NDF:788703.5/24

Right Out: 2657.174+/-0.567 χ^2/NDF: 1542593.0/26

Left In: 2020.802+/-0.343 χ^2/NDF:173502.0/22

Left: 2032.850+/-0.242 χ^2/NDF: 964655.5/47

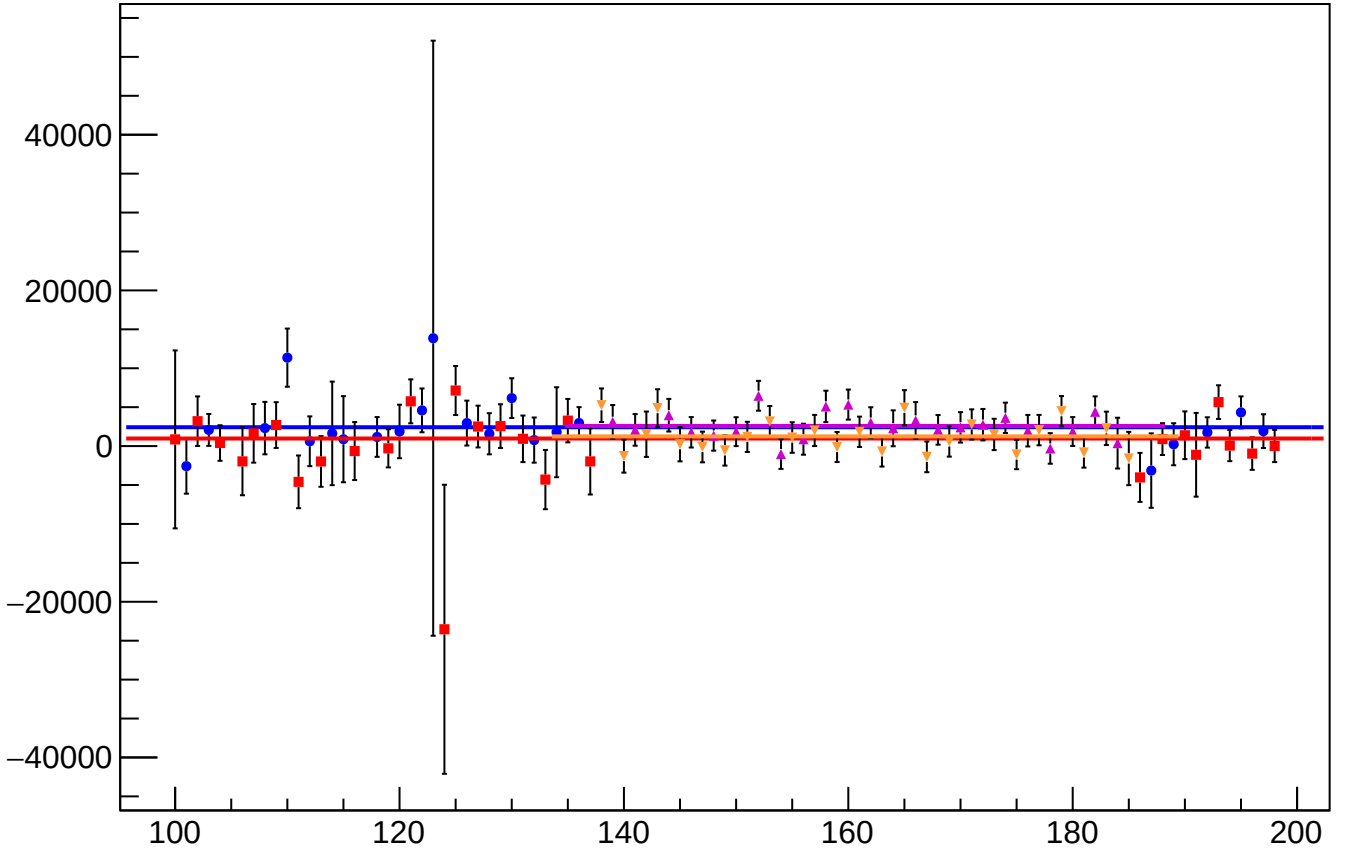
Right: 2649.511+/-0.418 χ^2/NDF: 2509225.9/48

In: 2166.782+/-0.300 χ^2/NDF:1908635.1/44

Out: 2207.129+/-0.292 χ^2/NDF:3189394.7/51

All: 2187.502+/-0.209 χ^2/NDF: 5107326.7/96

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2424.465+/-609.342 χ^2/NDF: 14.8/21

Left Out: 1249.917+/-412.486 χ^2/NDF:23.0/24

Right Out: 973.945+/-557.038 χ^2/NDF: 26.2/26

Left In: 2586.937+/-421.510 χ^2/NDF:17.5/22

Left: 1903.961+/-294.810 χ^2/NDF: 45.6/47

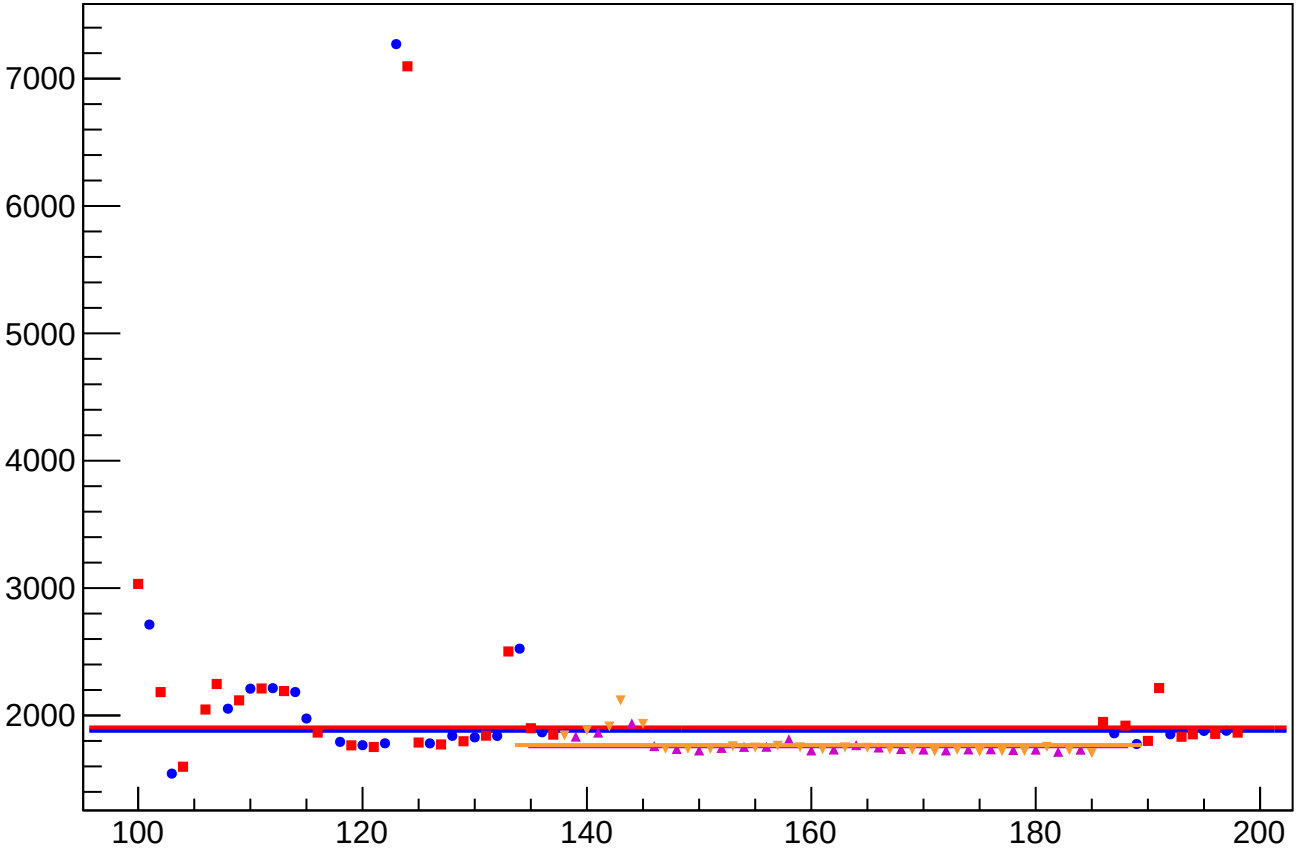
Right: 1634.289+/-411.135 χ^2/NDF: 44.1/48

In: 2534.354+/-346.653 χ^2/NDF:32.4/44

Out: 1152.183+/-331.494 χ^2/NDF:49.3/51

All: 1812.387+/-239.582 χ^2/NDF: 90.0/96

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1879.791+/-0.431 χ^2/NDF: 291696.0/21

Left Out: 1767.517+/-0.292 χ^2/NDF:77674.7/24

Right Out: 1905.757+/-0.394 χ^2/NDF: 377405.6/26

Left In: 1758.076+/-0.298 χ^2/NDF:29806.0/22

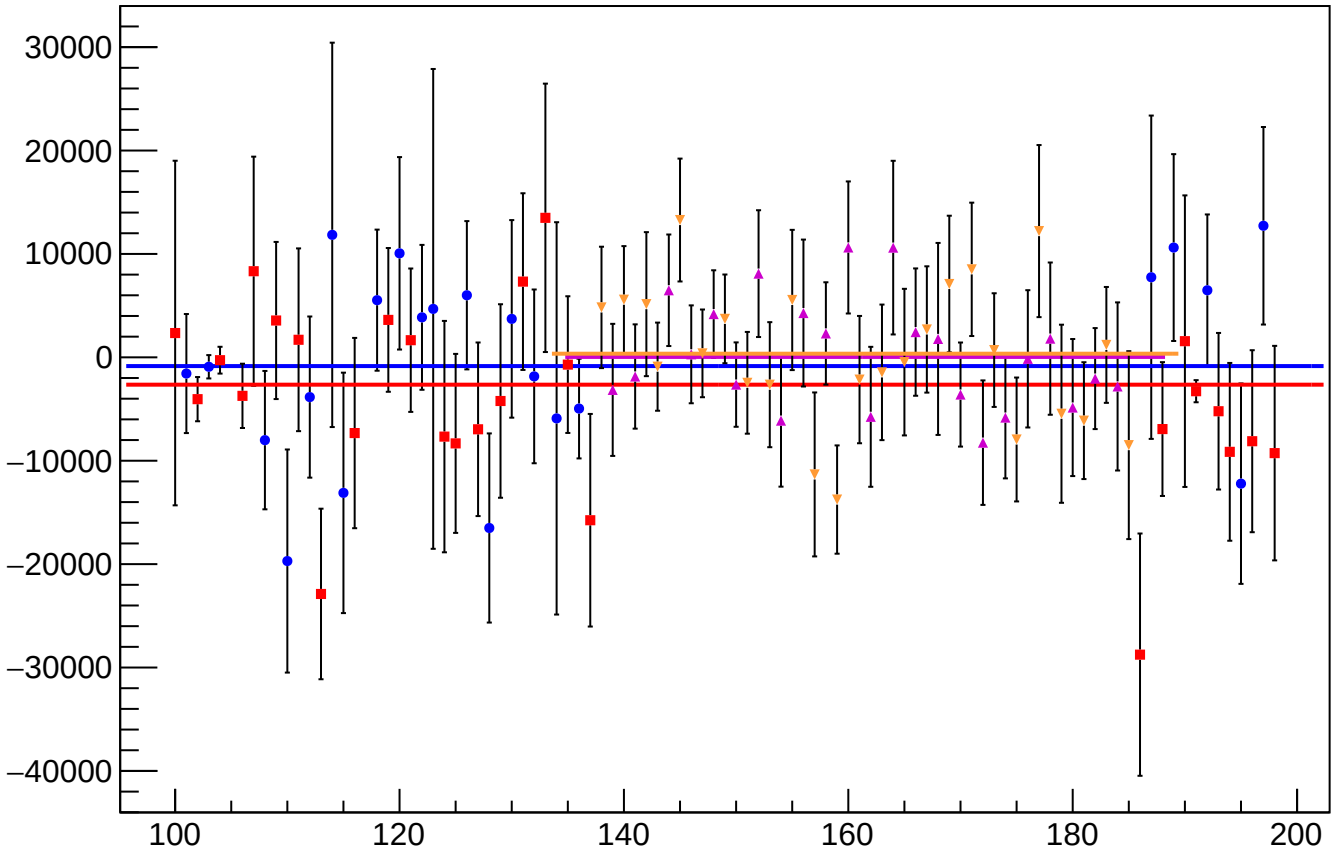
Left: 1762.899+/-0.208 χ^2/NDF: 107993.2/47

Right: 1893.948+/-0.291 χ^2/NDF: 671081.6/48

In: 1797.469+/-0.245 χ^2/NDF:375474.4/44

Out: 1816.530+/-0.234 χ^2/NDF:534726.3/51

All: 1807.428+/-0.169 χ^2/NDF: 913360.4/96



Right In: -845.634+/-959.279 χ^2/NDF: 19.9/21

Left Out: 351.227+/-1170.051 χ^2/NDF:27.8/24

Right Out: -2644.357+/-691.791 χ^2/NDF: 26.2/26

Left In: 40.618+/-1207.491 χ^2/NDF:16.0/22

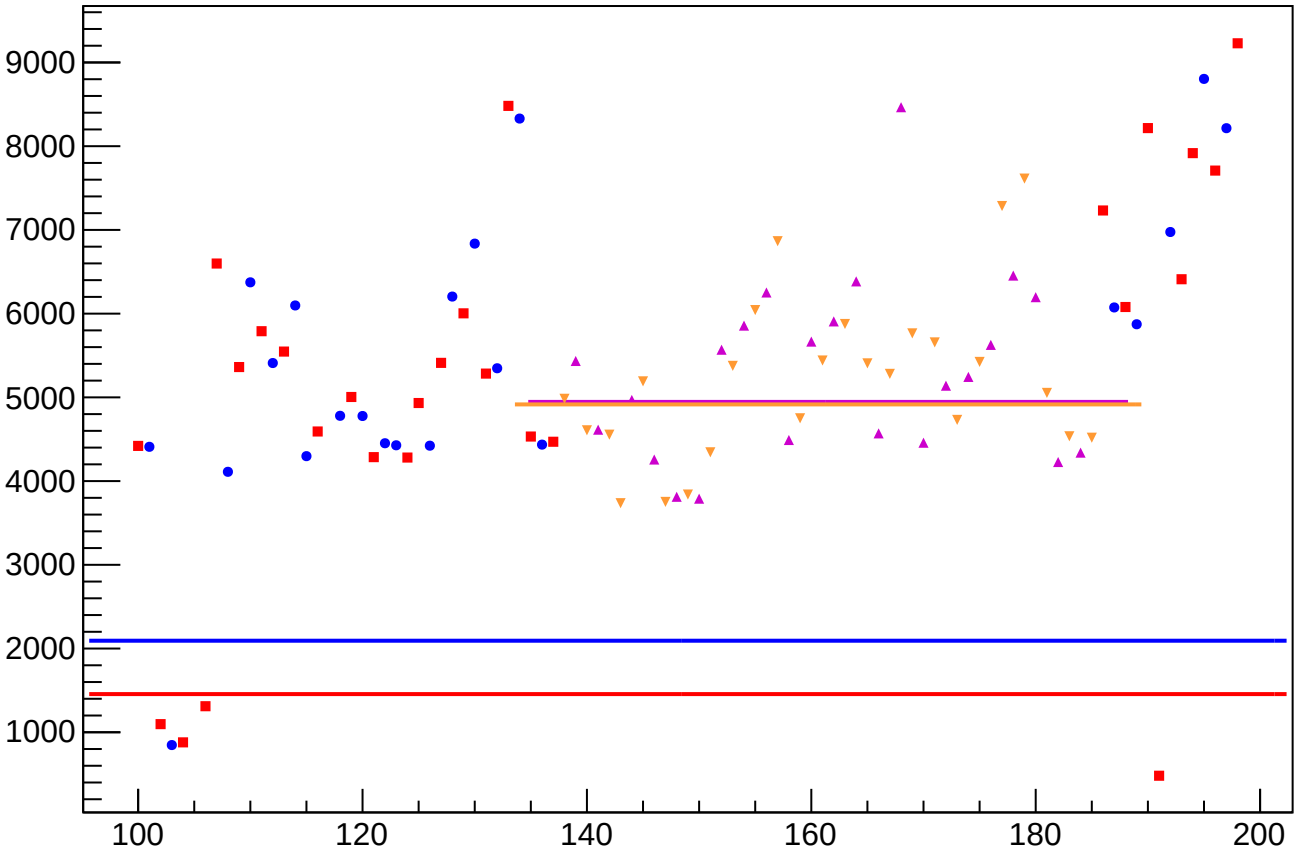
Left: 200.813+/-840.276 χ^2/NDF: 43.9/47

Right: -2028.952+/-561.104 χ^2/NDF: 48.4/48

In: -502.717+/-751.104 χ^2/NDF:36.2/44

Out: -1868.424+/-595.493 χ^2/NDF:58.9/51

All: -1341.310+/-466.631 χ^2/NDF: 97.2/96



Right In: 2093.463+/-0.678 χ^2/NDF: 9750381.8/21

Left Out: 4915.865+/-0.827 χ^2/NDF:1186479.7/24

Right Out: 1455.950+/-0.489 χ^2/NDF: 14245249.5/26

Left In: 4945.817+/-0.854 χ^2/NDF:1188288.6/22

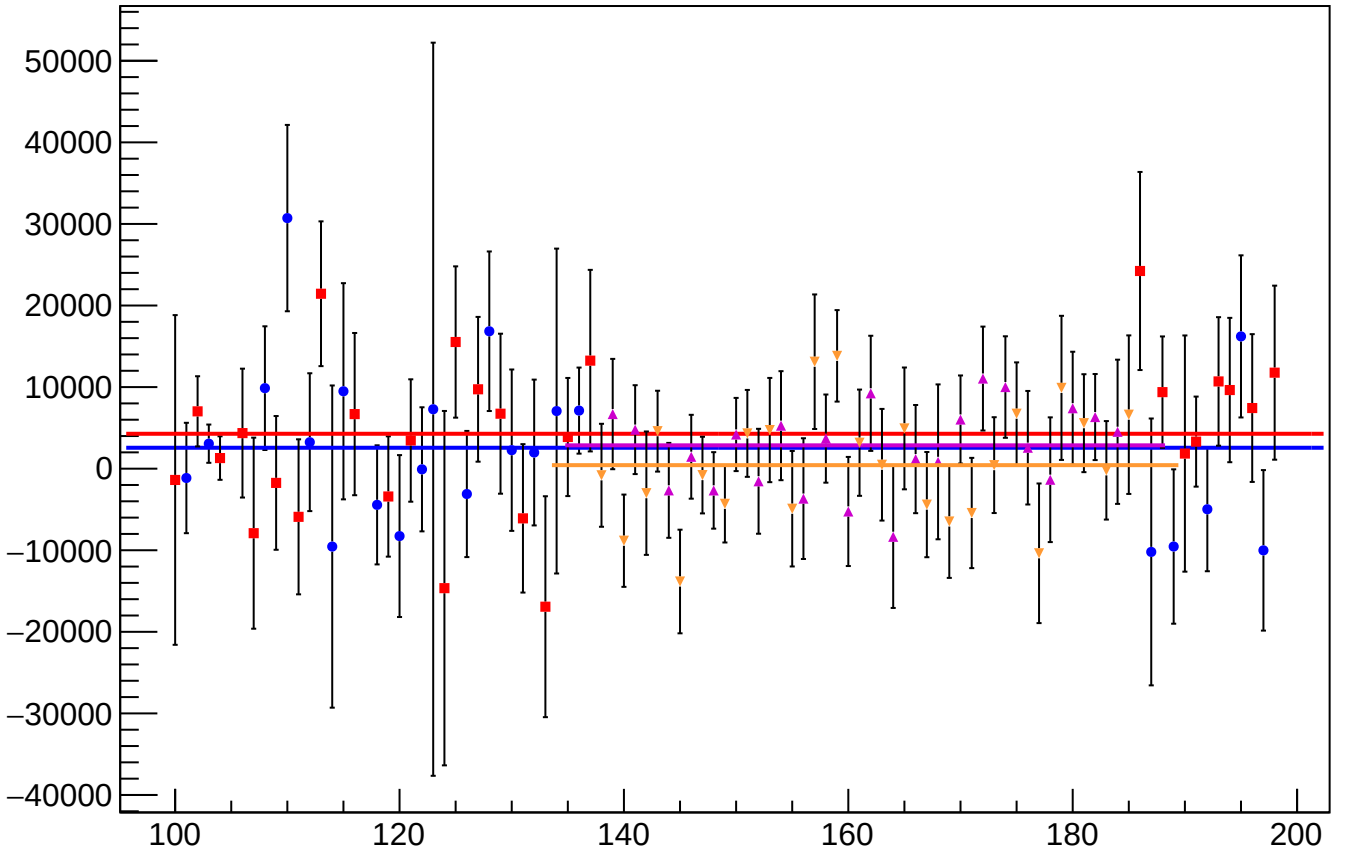
Left: 4930.370+/-0.594 χ^2/NDF: 2375402.9/47

Right: 1674.065+/-0.397 χ^2/NDF: 24576738.1/48

In: 3197.123+/-0.531 χ^2/NDF:17780608.8/44

Out: 2352.156+/-0.421 χ^2/NDF:28390215.5/51

All: 2678.283+/-0.330 χ^2/NDF: 47725011.1/9



Right In: 2563.940+/-1509.598 χ^2/NDF: 20.5/21

Left Out: 430.860+/-1258.273 χ^2/NDF:27.1/24

Right Out: 4278.115+/-1410.788 χ^2/NDF: 21.4/26

Left In: 2860.252+/-1292.328 χ^2/NDF:12.9/22

Left: 1613.125+/-901.533 χ^2/NDF: 41.8/47

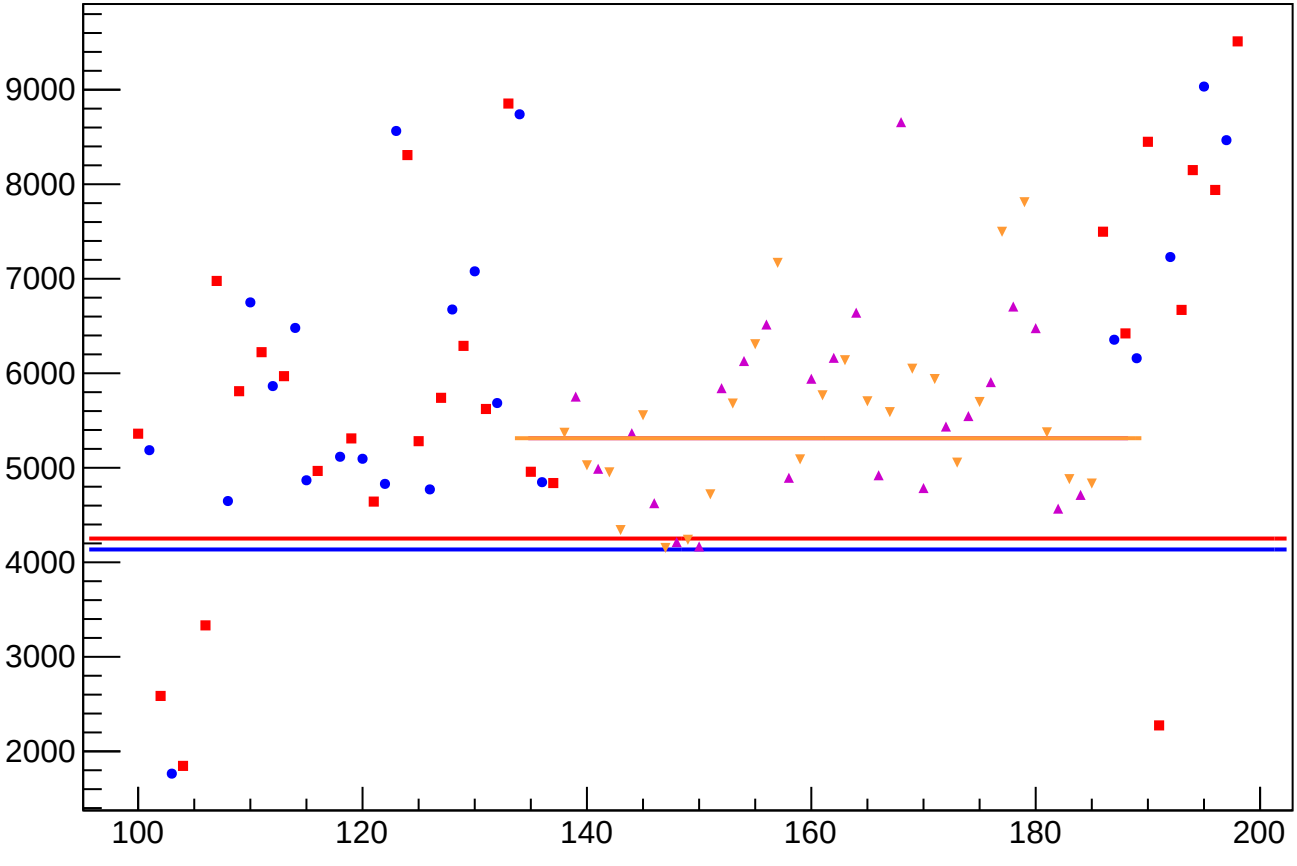
Right: 3478.960+/-1030.741 χ^2/NDF: 42.6/48

In: 2734.935+/-981.727 χ^2/NDF:33.4/44

Out: 2135.364+/-939.043 χ^2/NDF:52.7/51

All: 2421.832+/-678.592 χ^2/NDF: 86.3/96

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4135.805+/-1.067 χ^2/NDF: 4278850.9/21

Left Out: 5313.008+/-0.890 χ^2/NDF:894369.8/24

Right Out: 4251.411+/-0.992 χ^2/NDF: 5068774.9/26

Left In: 5312.861+/-0.914 χ^2/NDF:957400.7/22

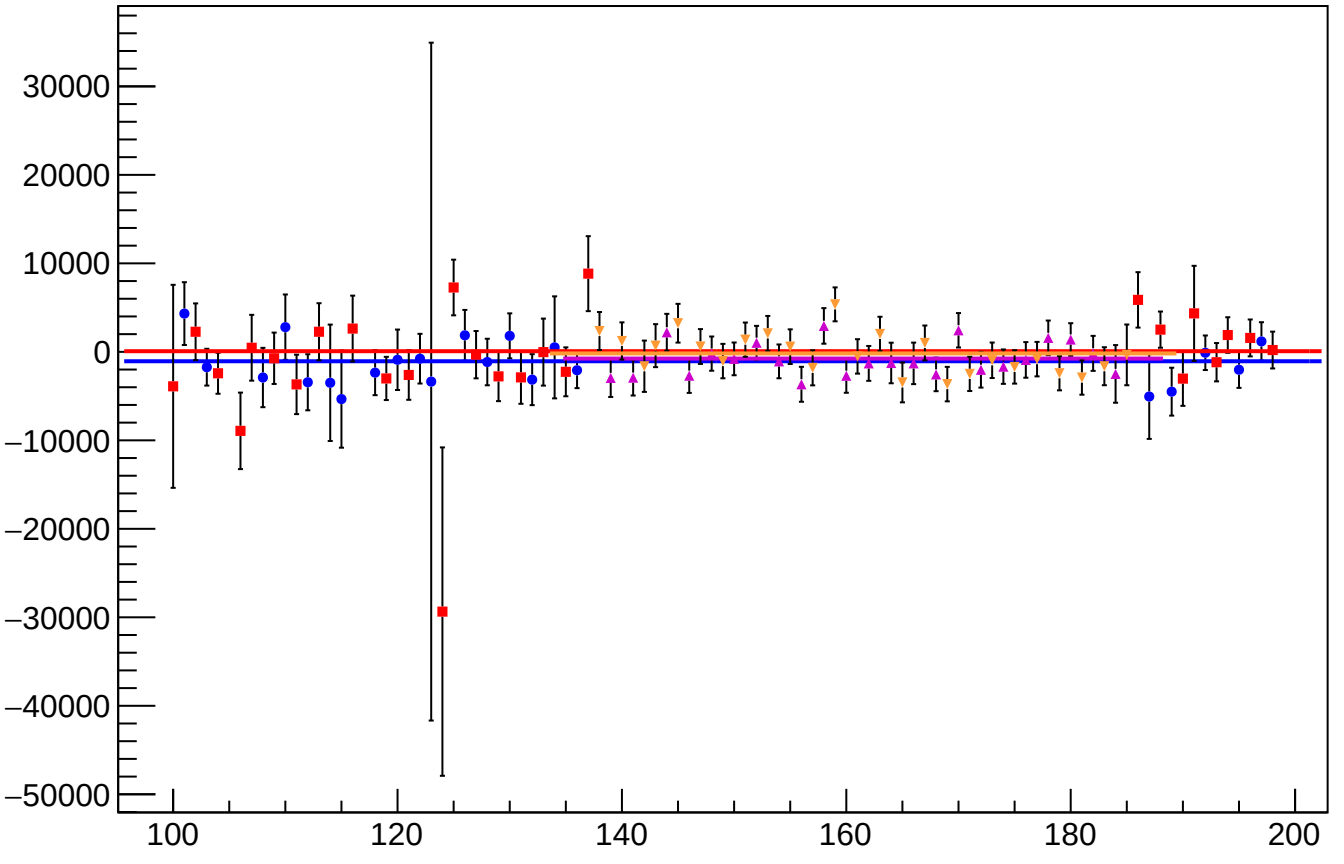
Left: 5312.937+/-0.637 χ^2/NDF: 1851770.5/47

Right: 4197.811+/-0.727 χ^2/NDF: 9353916.9/48

In: 4815.060+/-0.694 χ^2/NDF:5937928.9/44

Out: 4839.974+/-0.662 χ^2/NDF:6597499.4/51

All: 4828.099+/-0.479 χ^2/NDF: 12536102.4/9



Right In: -1063.512+/-608.007 χ^2/NDF: 12.4/21

Left Out: -179.794+/-410.976 χ^2/NDF:29.3/24

Right Out: 72.946+/-556.342 χ^2/NDF: 33.8/26

Left In: -759.753+/-419.905 χ^2/NDF:20.3/22

Left: -463.542+/-293.710 χ^2/NDF: 50.5/47

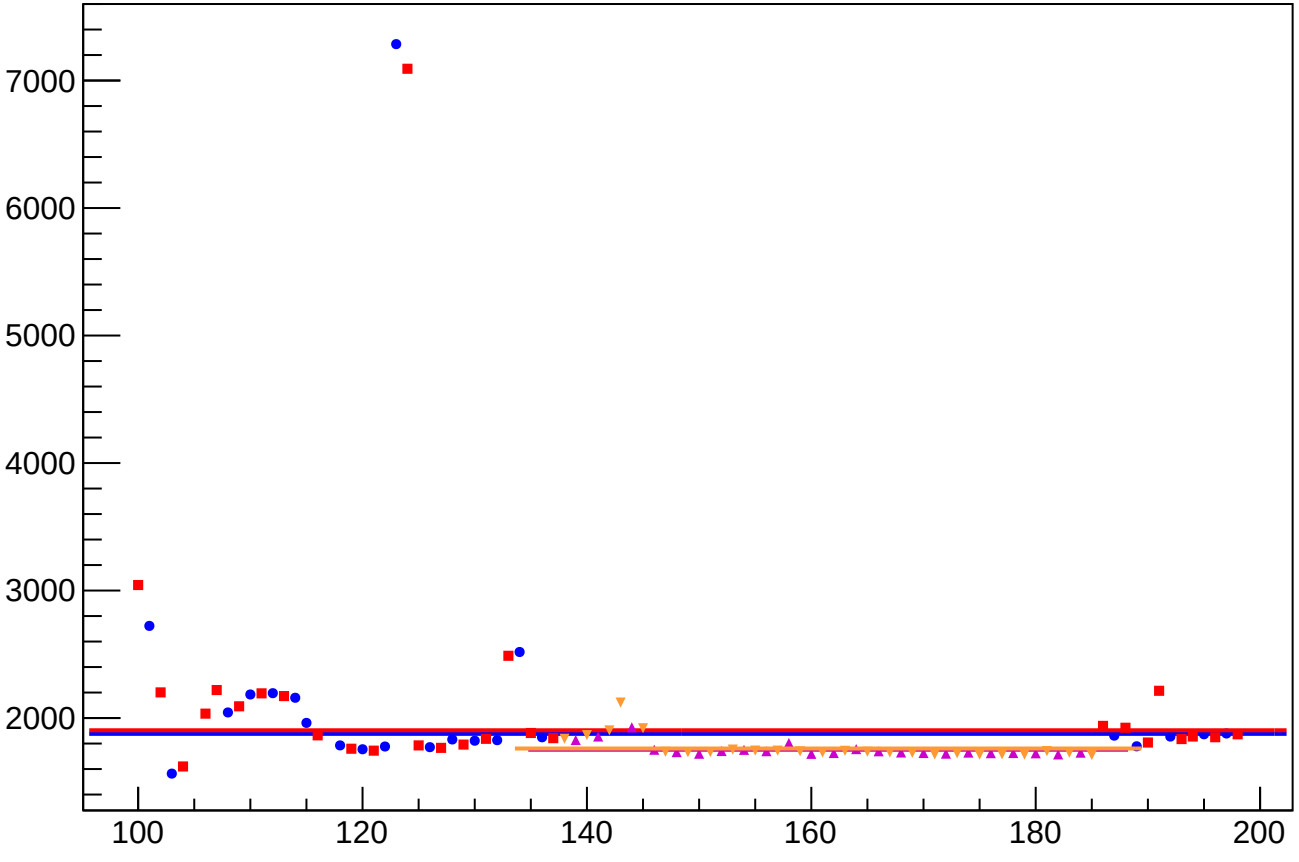
Right: -444.955+/-410.445 χ^2/NDF: 48.1/48

In: -857.848+/-345.514 χ^2/NDF:32.8/44

Out: -90.566+/-330.563 χ^2/NDF:63.2/51

All: -457.247+/-238.854 χ^2/NDF: 98.6/96

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1876.138+/-0.430 χ^2/NDF: 282469.8/21

Left Out: 1761.091+/-0.291 χ^2/NDF:77468.5/24

Right Out: 1904.136+/-0.393 χ^2/NDF: 365202.7/26

Left In: 1751.418+/-0.297 χ^2/NDF:28578.7/22

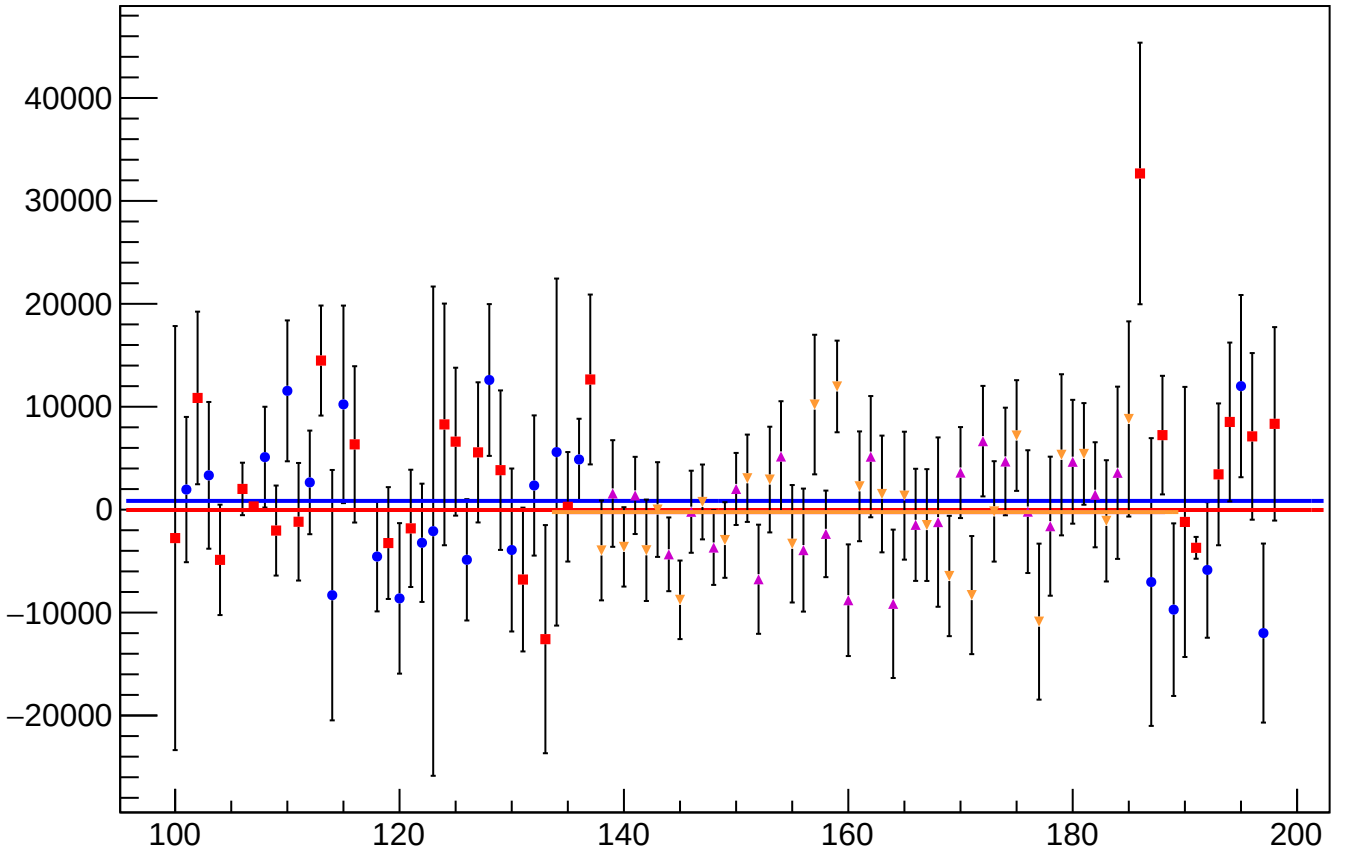
Left: 1756.358+/-0.208 χ^2/NDF: 106589.3/47

Right: 1891.389+/-0.290 χ^2/NDF: 649982.6/48

In: 1791.694+/-0.244 χ^2/NDF:368028.1/44

Out: 1811.650+/-0.234 χ^2/NDF:528309.7/51

All: 1802.116+/-0.169 χ^2/NDF: 899822.1/96



Right In: 850.523+/-1464.504 χ^2/NDF: 19.9/21

Left Out: -235.806+/-1005.144 χ^2/NDF:28.9/24

Right Out: -32.297+/-413.321 χ^2/NDF: 42.6/26

Left In: -239.224+/-1028.883 χ^2/NDF:15.3/22

Left: -237.475+/-718.990 χ^2/NDF: 44.2/47

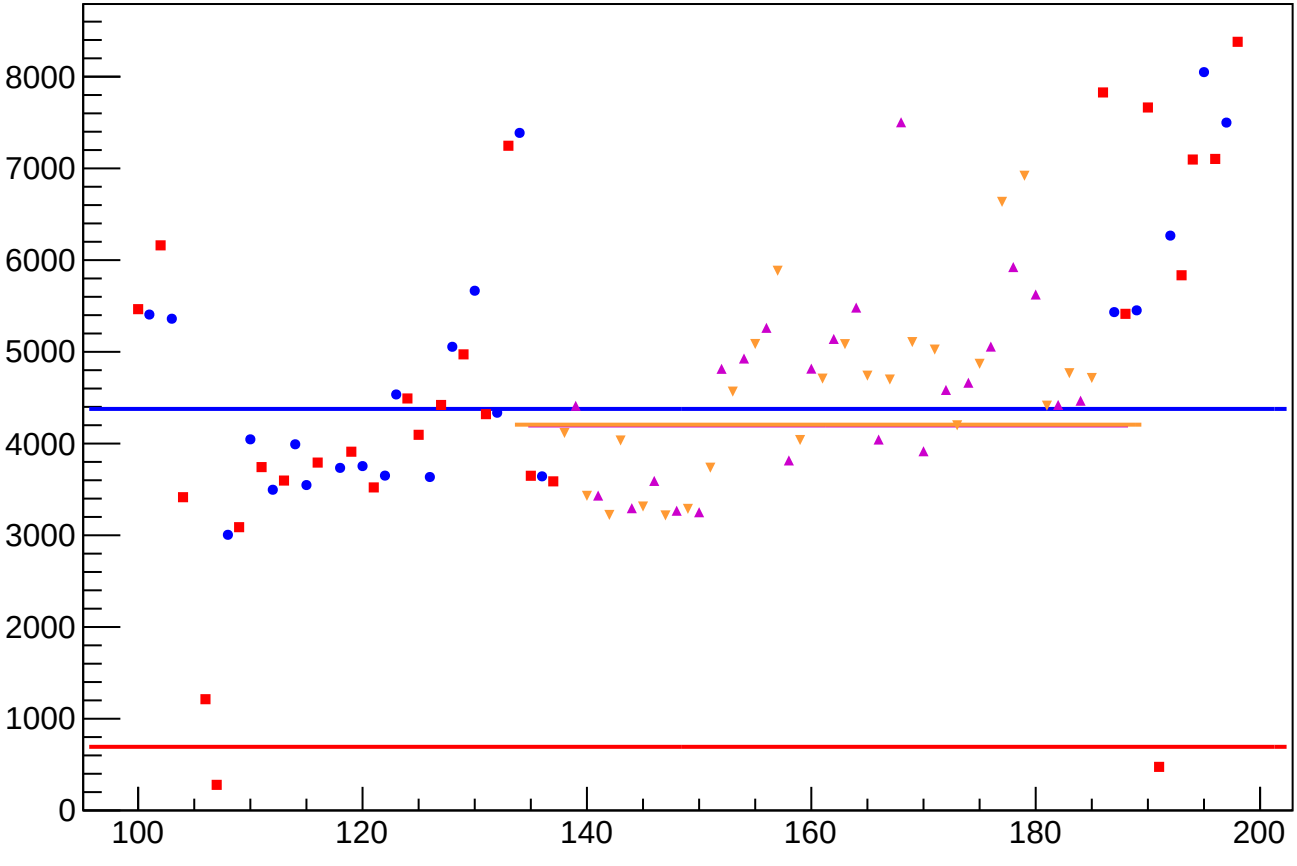
Right: 32.833+/-397.783 χ^2/NDF: 62.9/48

In: 120.899+/-841.885 χ^2/NDF:35.6/44

Out: -61.731+/-382.264 χ^2/NDF:71.5/51

All: -30.515+/-348.064 χ^2/NDF: 107.2/96

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4377.723+/-1.036 χ^2/NDF: 1441259.0/21

Left Out: 4206.076+/-0.711 χ^2/NDF:1442269.3/24

Right Out: 693.735+/-0.292 χ^2/NDF: 17995333.5/26

Left In: 4197.267+/-0.728 χ^2/NDF:1471012.9/22

Left: 4201.775+/-0.508 χ^2/NDF: 2913357.2/47

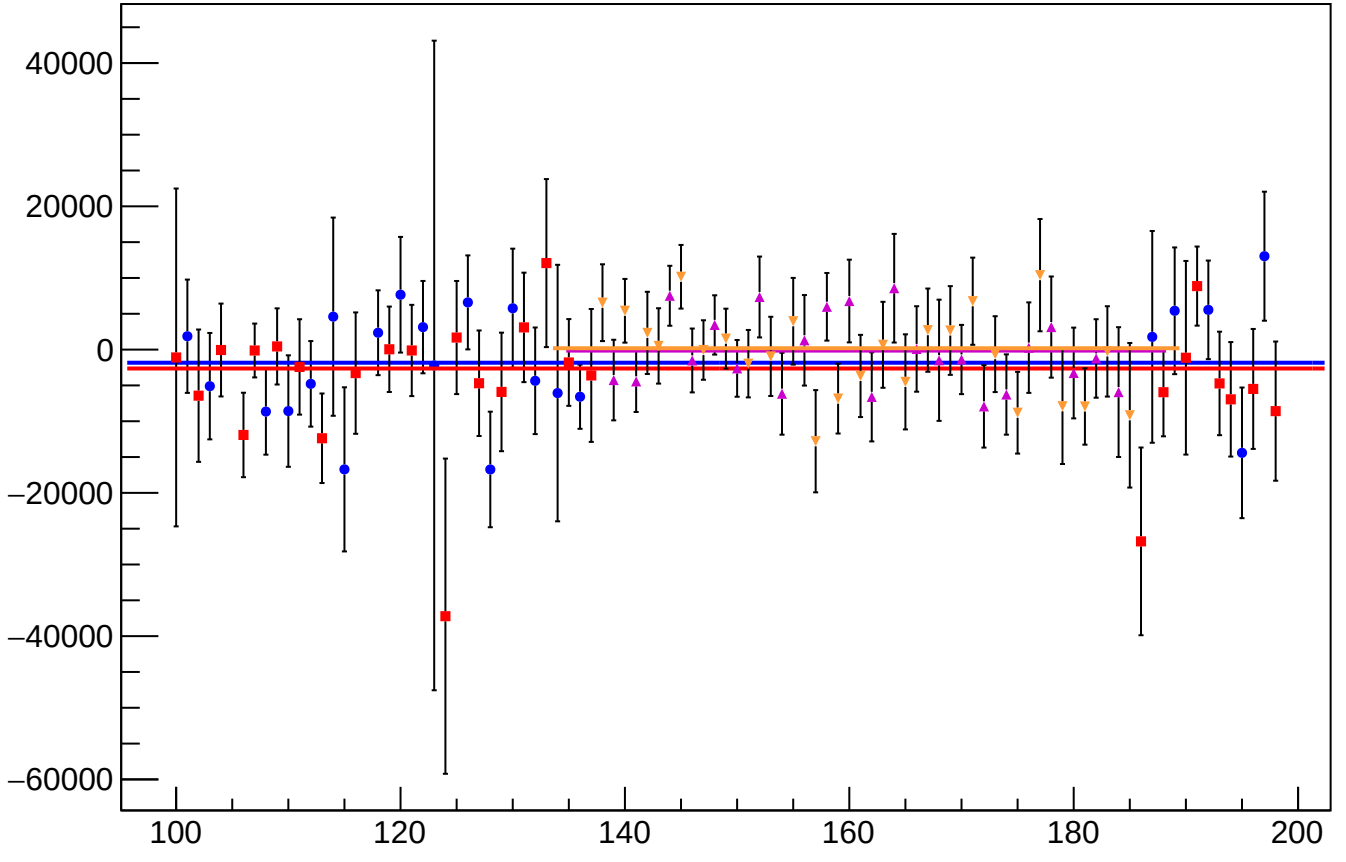
Right: 965.522+/-0.281 χ^2/NDF: 31158598.3/48

In: 4256.901+/-0.595 χ^2/NDF:2932603.0/44

Out: 1201.739+/-0.270 χ^2/NDF:40326671.7/51

All: 1723.953+/-0.246 χ^2/NDF: 65095872.4/9

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1832.973+/-1634.185 χ^2/NDF: 20.8/21

Left Out: 189.721+/-1106.851 χ^2/NDF:25.0/24

Right Out: -2638.218+/-1371.327 χ^2/NDF: 20.5/26

Left In: -137.477+/-1129.656 χ^2/NDF:18.6/22

Left: 29.458+/-790.601 χ^2/NDF: 43.6/47

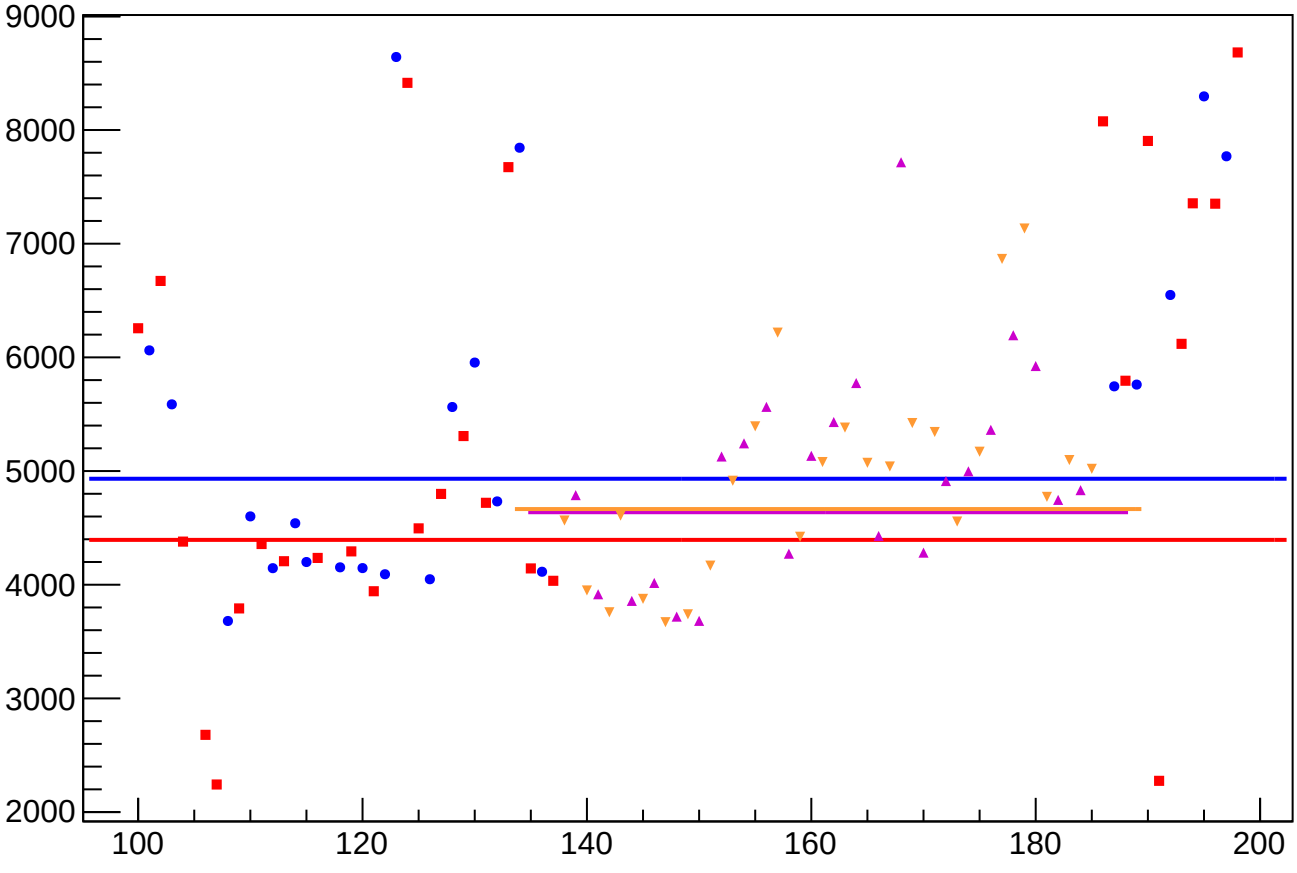
Right: -2305.486+/-1050.471 χ^2/NDF: 41.4/48

In: -685.700+/-929.247 χ^2/NDF:40.1/44

Out: -925.845+/-861.298 χ^2/NDF:48.0/51

All: -814.872+/-631.687 χ^2/NDF: 88.2/96

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4932.223+/-1.156 χ^2/NDF: 1096201.1/21

Left Out: 4665.620+/-0.783 χ^2/NDF:1017235.0/24

Right Out: 4394.485+/-0.965 χ^2/NDF: 3011037.0/26

Left In: 4637.777+/-0.799 χ^2/NDF:1065217.2/22

Left: 4651.983+/-0.559 χ^2/NDF: 2083072.1/47

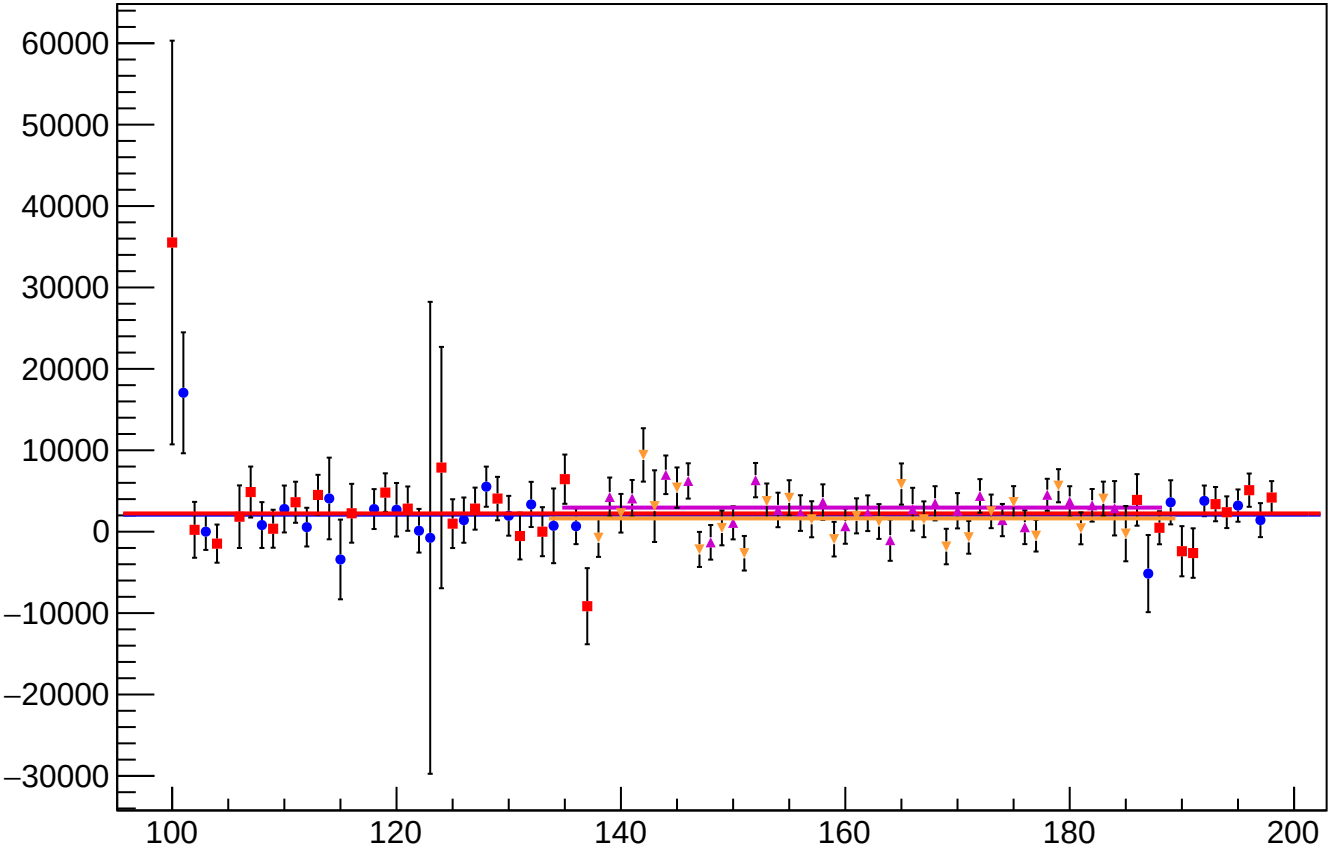
Right: 4615.413+/-0.741 χ^2/NDF: 4234822.5/48

In: 4732.984+/-0.657 χ^2/NDF:2205353.1/44

Out: 4558.031+/-0.608 χ^2/NDF:4075893.4/51

All: 4638.710+/-0.446 χ^2/NDF: 6319447.5/96

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2092.315+/-586.000 χ^2/NDF: 14.3/21

Left Out: 1630.035+/-447.063 χ^2/NDF:35.4/24

Right Out: 2241.313+/-523.065 χ^2/NDF: 27.6/26

Left In: 2958.620+/-453.688 χ^2/NDF:20.4/22

Left: 2284.557+/-318.438 χ^2/NDF: 60.2/47

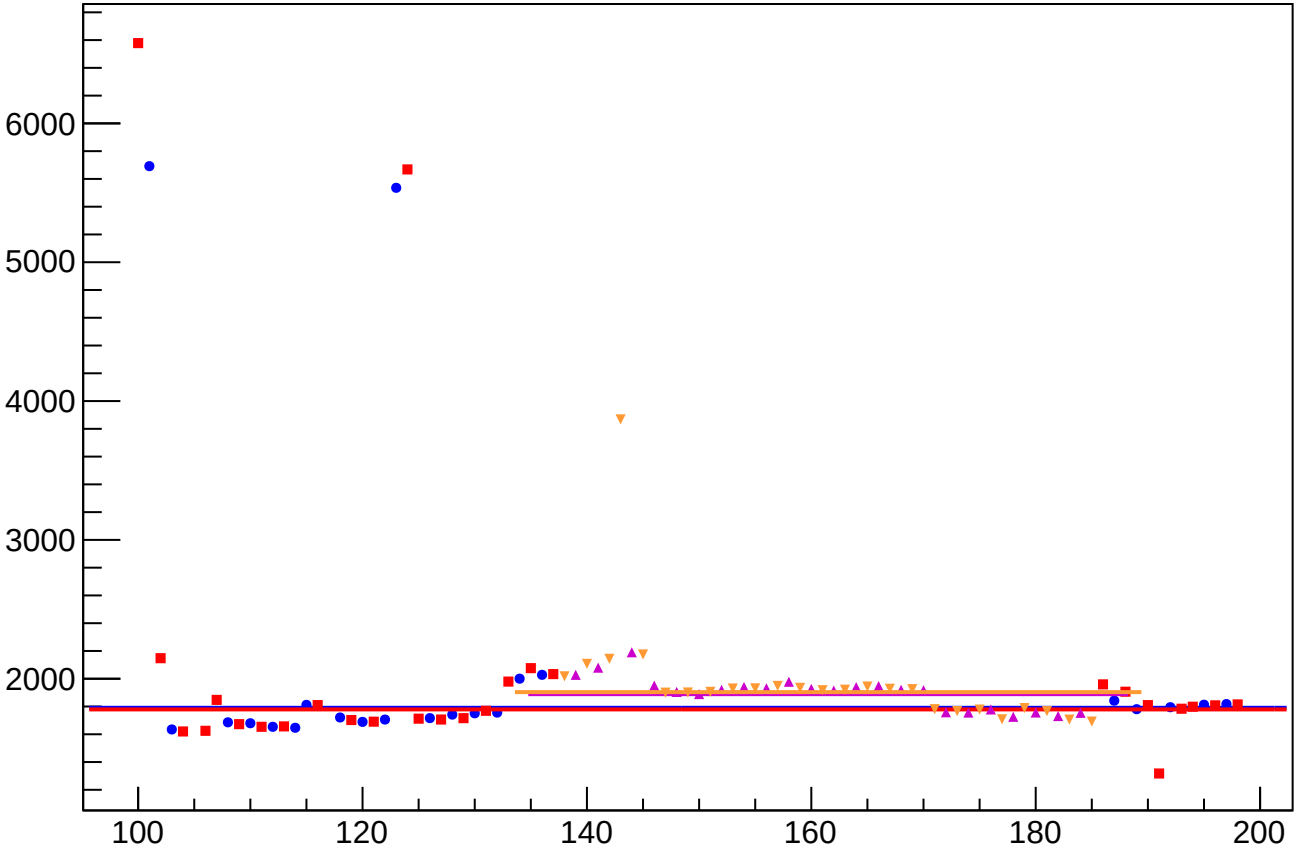
Right: 2175.242+/-390.223 χ^2/NDF: 41.9/48

In: 2633.958+/-358.739 χ^2/NDF:36.1/44

Out: 1888.077+/-339.846 χ^2/NDF:63.8/51

All: 2240.860+/-246.716 χ^2/NDF: 102.2/96

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1790.604+/-0.414 χ^2/NDF: 645685.9/21

Left Out: 1903.618+/-0.316 χ^2/NDF:541575.7/24

Right Out: 1778.991+/-0.368 χ^2/NDF: 368552.2/26

Left In: 1888.927+/-0.321 χ^2/NDF:126417.2/22

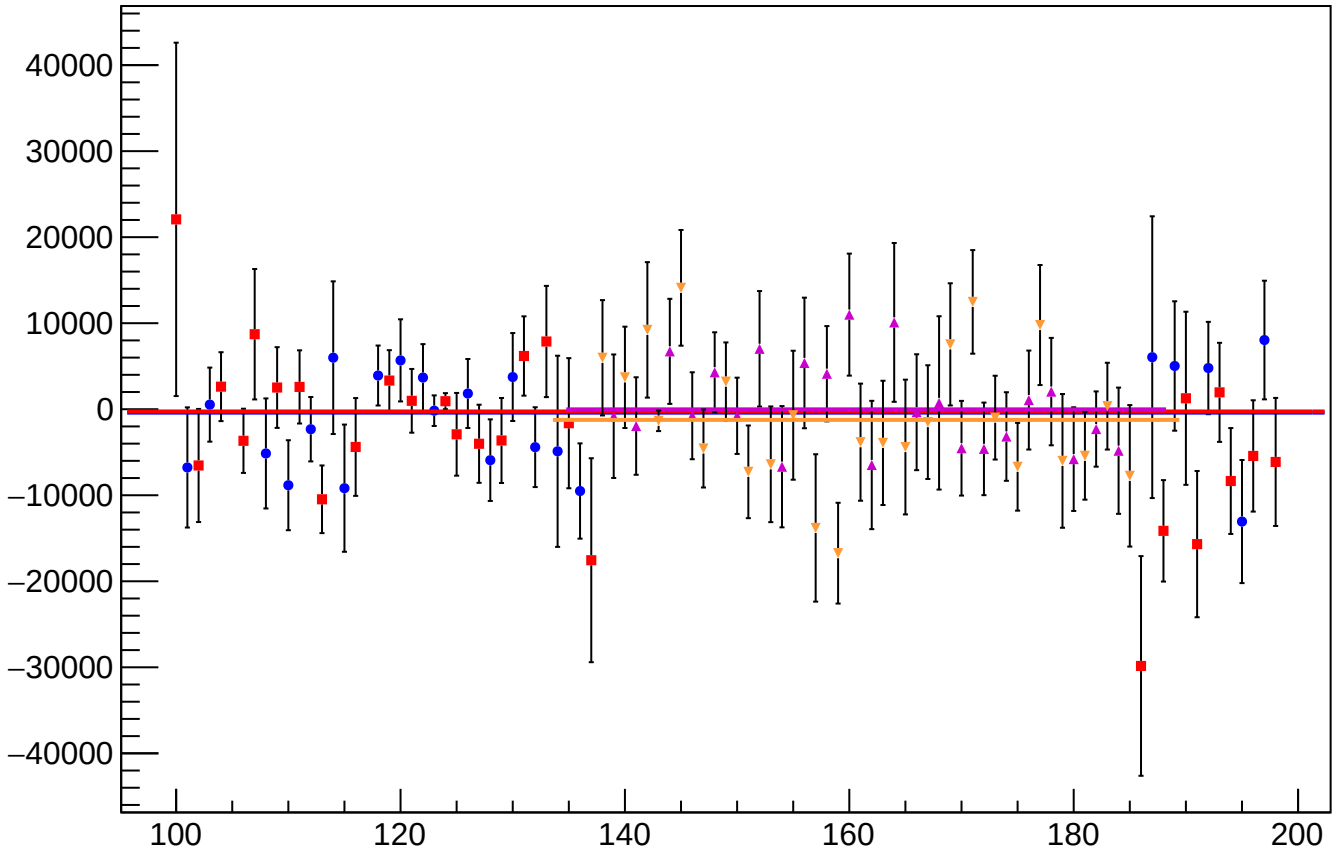
Left: 1896.381+/-0.225 χ^2/NDF: 669056.9/47

Right: 1784.117+/-0.275 χ^2/NDF: 1014676.9/48

In: 1852.079+/-0.254 χ^2/NDF:807307.0/44

Out: 1850.764+/-0.240 χ^2/NDF:976043.4/51

All: 1851.384+/-0.174 χ^2/NDF: 1783364.6/96



Right In: -393.423+/-964.454 χ^2/NDF: 22.7/21

Left Out: -1239.833+/-865.201 χ^2/NDF:33.9/24

Right Out: -260.564+/-697.576 χ^2/NDF: 40.2/26

Left In: -15.863+/-1243.317 χ^2/NDF:13.2/22

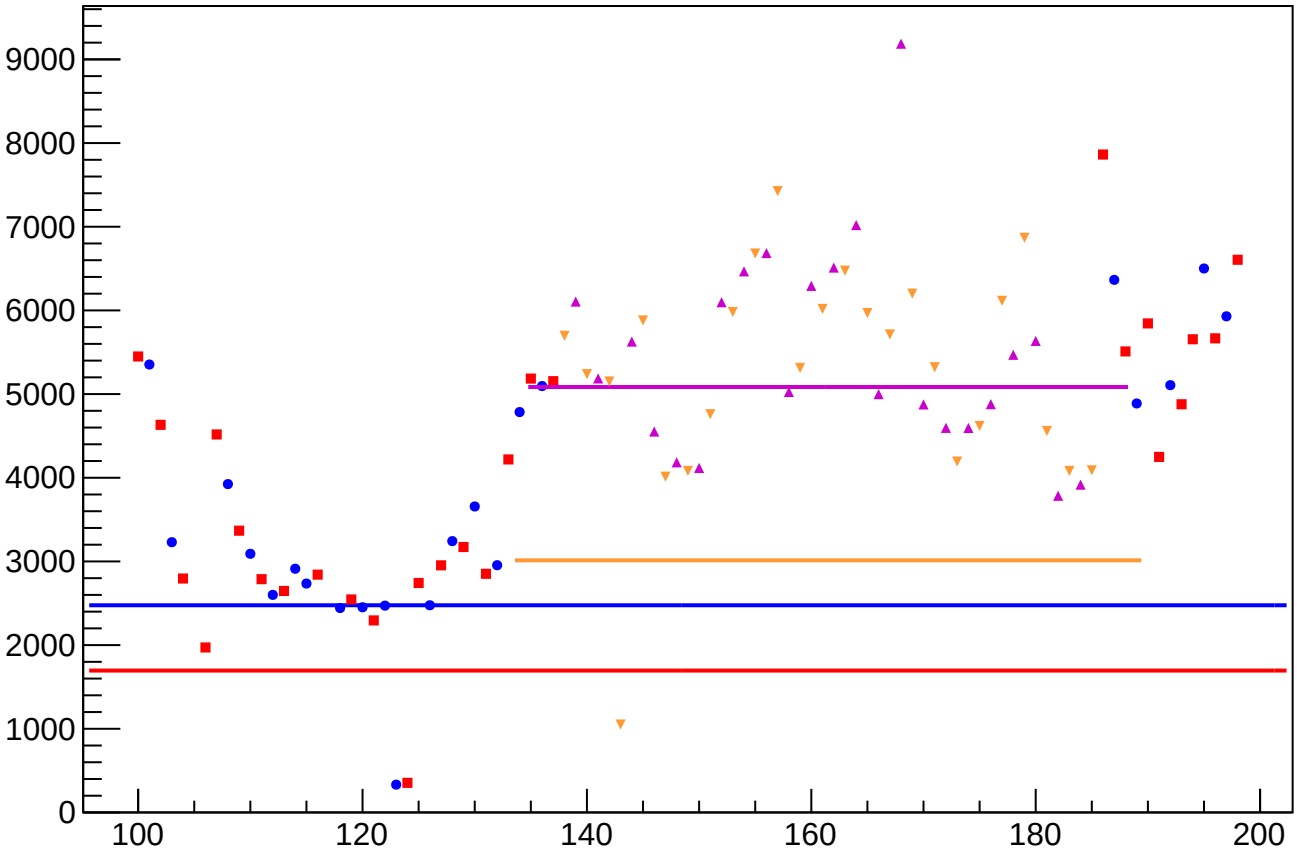
Left: -840.501+/-710.172 χ^2/NDF: 47.8/47

Right: -306.196+/-565.225 χ^2/NDF: 62.9/48

In: -251.584+/-762.057 χ^2/NDF:36.0/44

Out: -646.355+/-543.054 χ^2/NDF:74.9/51

All: -513.400+/-442.250 χ^2/NDF: 111.0/96



Right In: 2476.229+/-0.682 χ^2/NDF: 6094949.5/21

Left Out: 3013.268+/-0.612 χ^2/NDF:12270753.9/24

Right Out: 1695.649+/-0.493 χ^2/NDF: 12114468.2/26

Left In: 5084.645+/-0.879 χ^2/NDF:1303587.7/22

Left: 3689.075+/-0.502 χ^2/NDF: 17314385.8/47

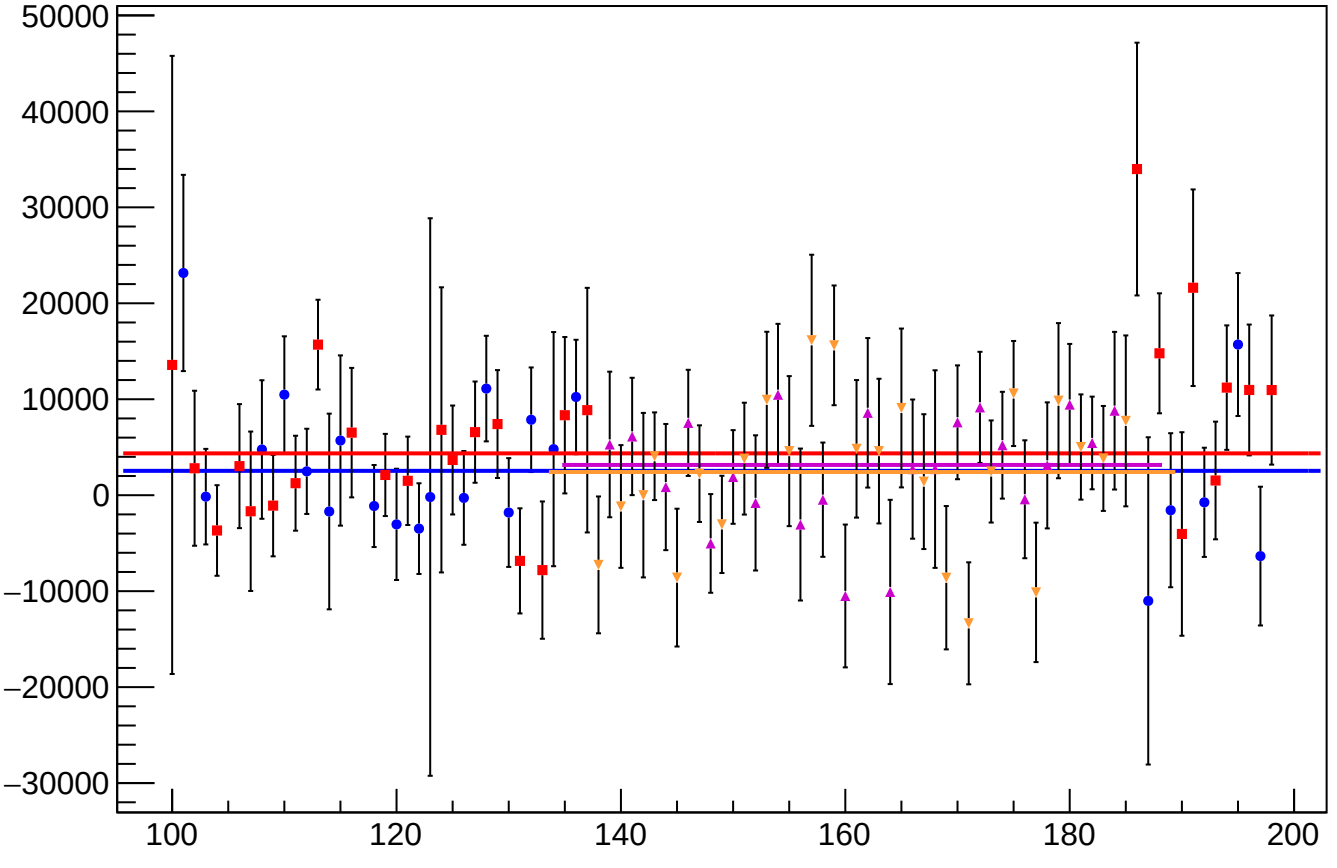
Right: 1963.749+/-0.400 χ^2/NDF: 19069542.3/48

In: 3456.142+/-0.539 χ^2/NDF:12894343.4/44

Out: 2214.737+/-0.384 χ^2/NDF:27196330.5/51

All: 2632.831+/-0.313 χ^2/NDF: 43610591.7/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2538.415+/-1334.874 χ^2/NDF: 21.6/21

Left Out: 2417.210+/-1286.482 χ^2/NDF:29.9/24

Right Out: 4359.770+/-1229.904 χ^2/NDF: 33.9/26

Left In: 3153.449+/-1337.378 χ^2/NDF:15.5/22

Left: 2771.054+/-927.151 χ^2/NDF: 45.5/47

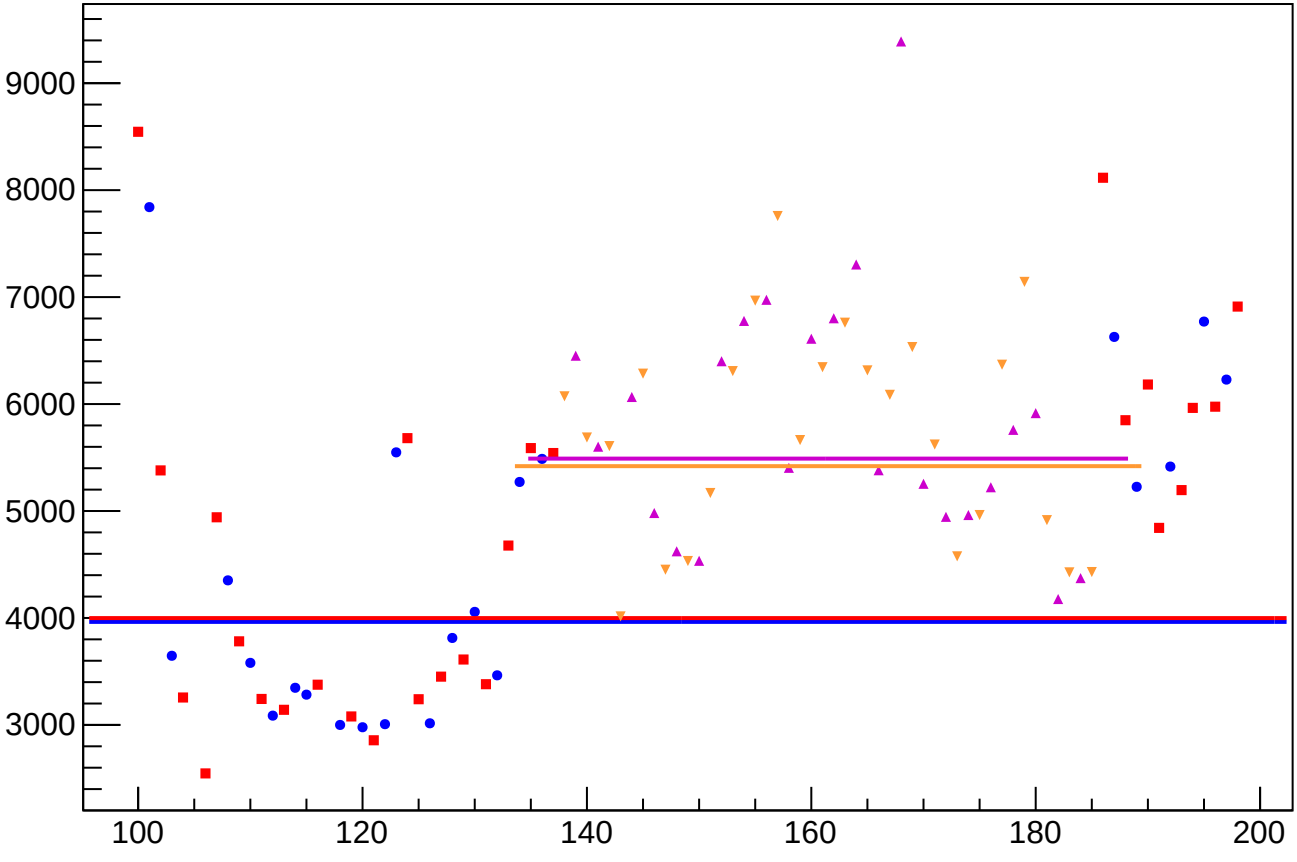
Right: 3523.512+/-904.510 χ^2/NDF: 56.5/48

In: 2845.356+/-944.782 χ^2/NDF:37.2/44

Out: 3432.145+/-889.002 χ^2/NDF:65.0/51

All: 3156.583+/-647.442 χ^2/NDF: 102.4/96

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3963.374+/-0.944 χ^2/NDF: 1610794.3/21

Left Out: 5419.305+/-0.910 χ^2/NDF:1109972.1/24

Right Out: 3998.738+/-0.860 χ^2/NDF: 2106191.3/26

Left In: 5489.885+/-0.946 χ^2/NDF:1064353.3/22

Left: 5453.227+/-0.656 χ^2/NDF: 2177218.7/47

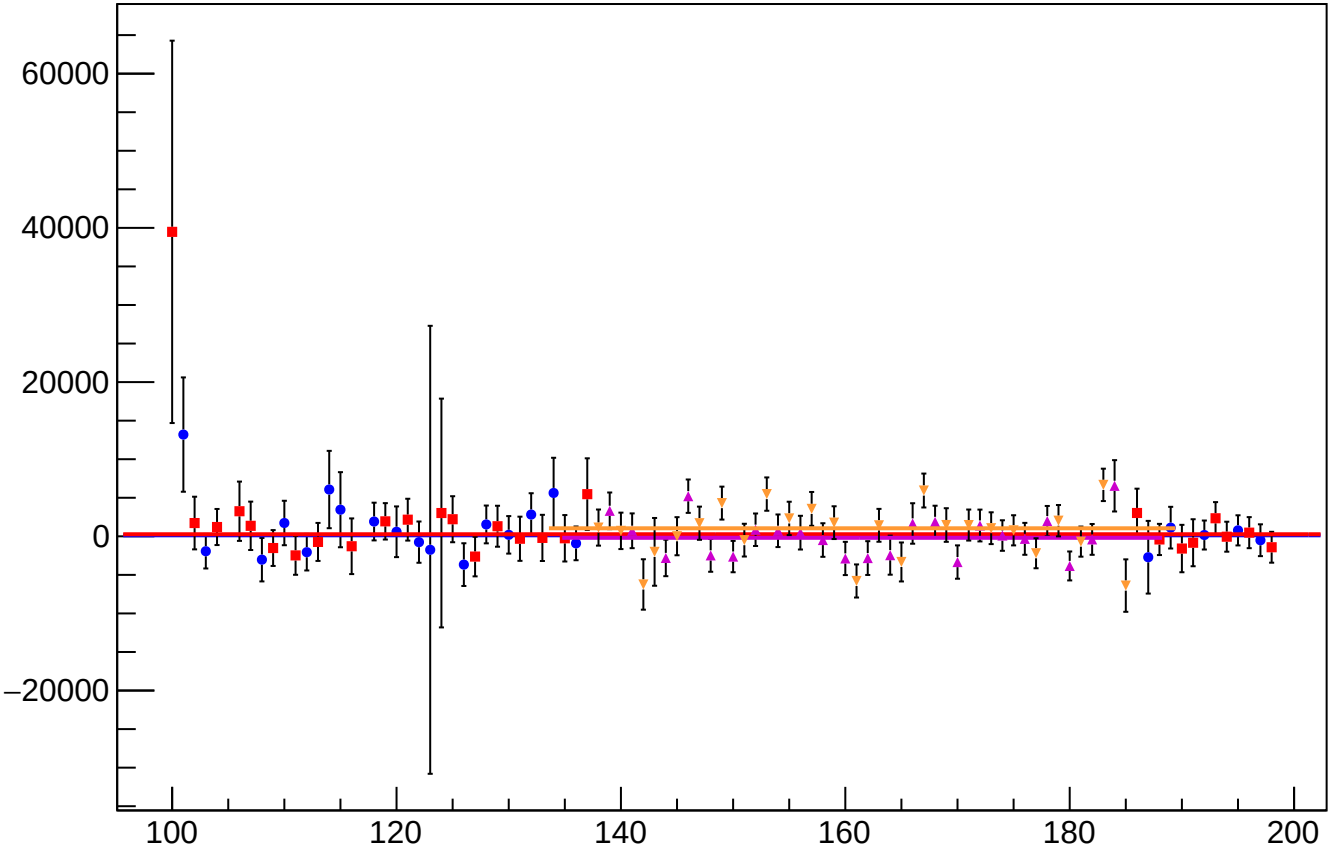
Right: 3982.697+/-0.636 χ^2/NDF: 3717752.6/48

In: 4725.195+/-0.668 χ^2/NDF:3980437.9/44

Out: 4669.189+/-0.625 χ^2/NDF:4503856.8/51

All: 4695.327+/-0.456 χ^2/NDF: 8488042.8/96

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.526+/-583.292 χ^2/NDF: 14.4/21

Left Out: 1041.262+/-446.249 χ^2/NDF:48.6/24

Right Out: 268.037+/-520.816 χ^2/NDF: 13.0/26

Left In: -191.966+/-453.055 χ^2/NDF:30.0/22

Left: 433.980+/-317.925 χ^2/NDF: 82.3/47

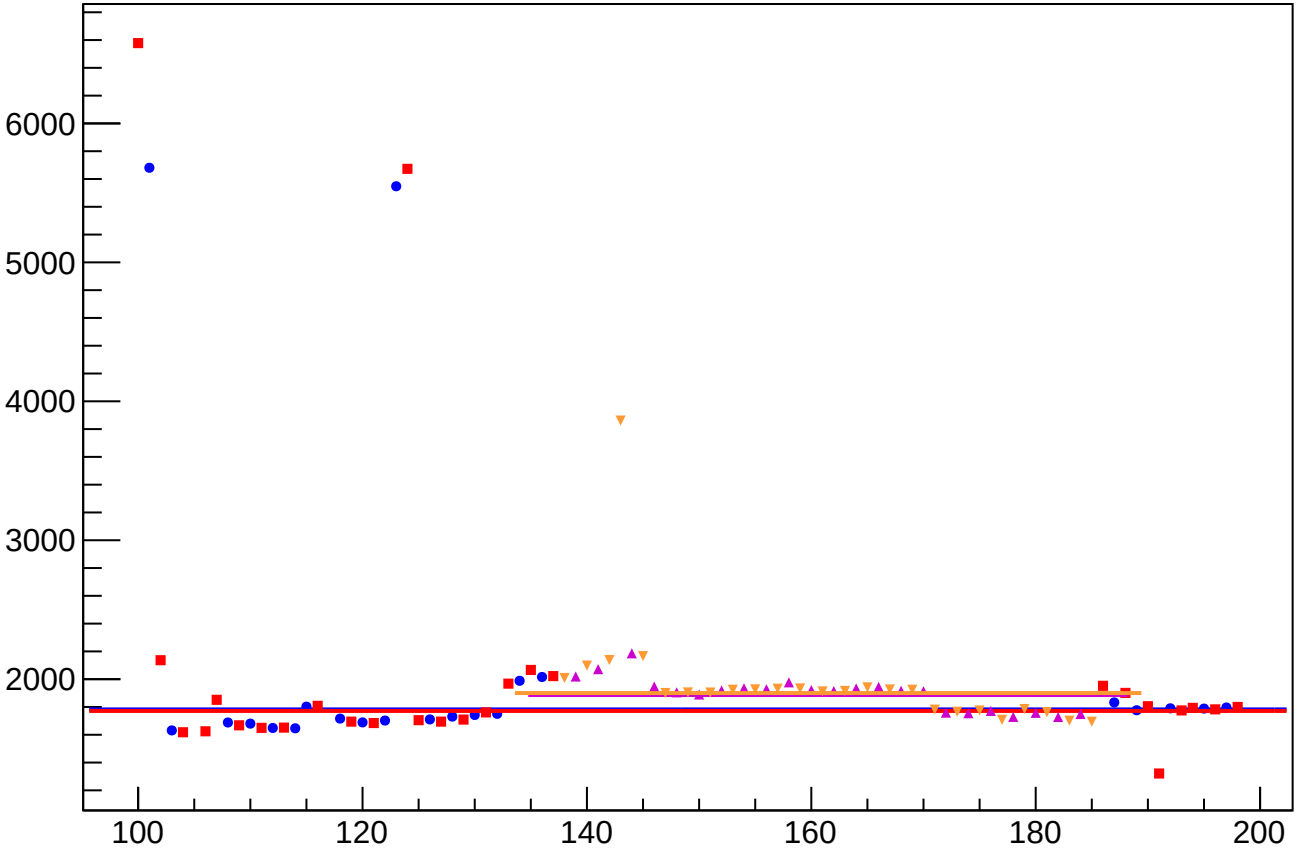
Right: 208.369+/-388.490 χ^2/NDF: 27.5/48

In: -69.489+/-357.803 χ^2/NDF:44.6/44

Out: 713.918+/-338.871 χ^2/NDF:62.8/51

All: 343.488+/-246.039 χ^2/NDF: 110.0/96

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1782.463+/-0.412 χ^2/NDF: 643433.3/21

Left Out: 1900.295+/-0.316 χ^2/NDF:537892.5/24

Right Out: 1771.597+/-0.367 χ^2/NDF: 365229.0/26

Left In: 1886.378+/-0.320 χ^2/NDF:123520.6/22

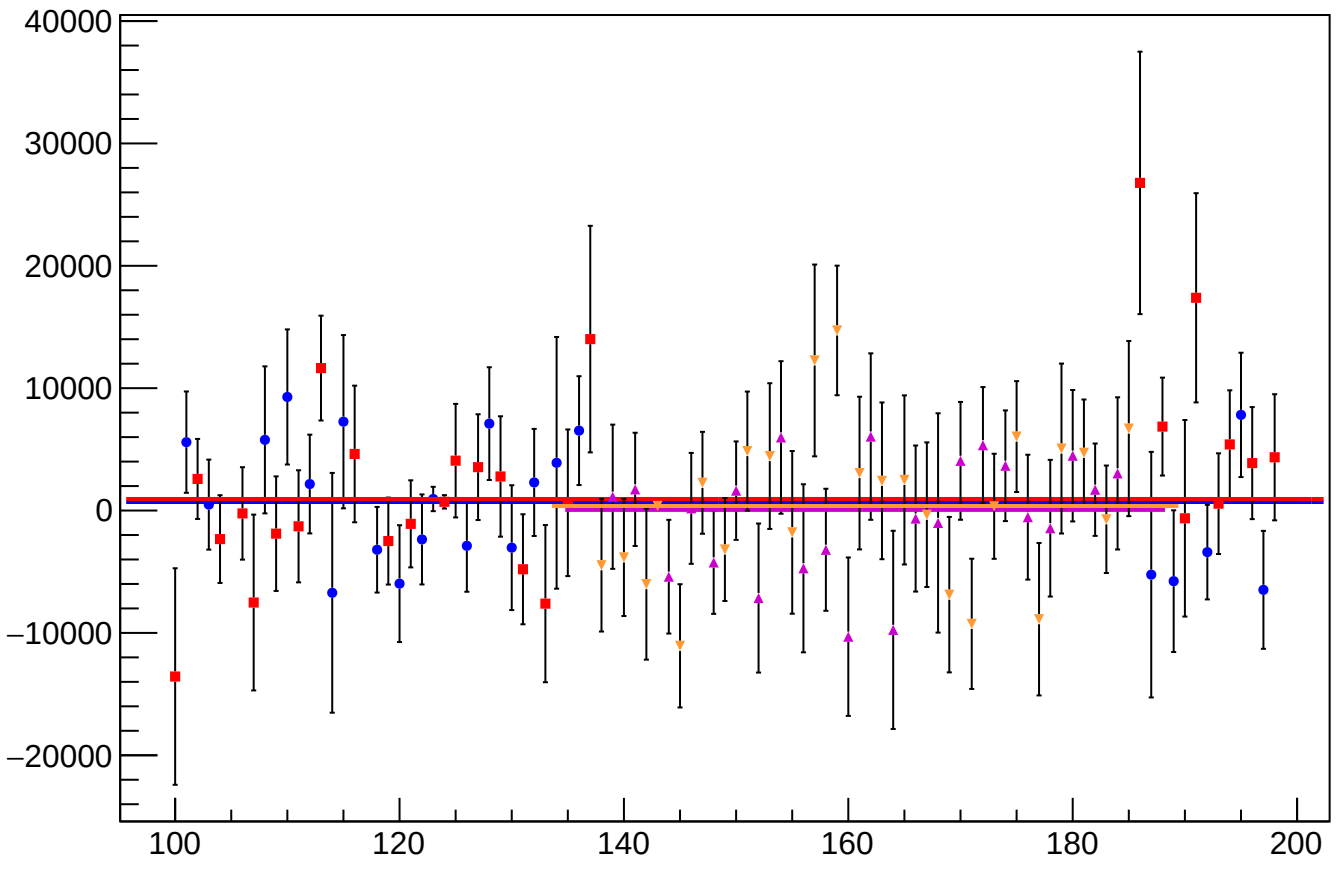
Left: 1893.441+/-0.225 χ^2/NDF: 662371.1/47

Right: 1776.396+/-0.274 χ^2/NDF: 1009049.8/48

In: 1847.276+/-0.253 χ^2/NDF:806544.7/44

Out: 1845.560+/-0.239 χ^2/NDF:973869.0/51

All: 1846.370+/-0.174 χ^2/NDF: 1780437.9/96



Right In: 698.397+/-716.000 χ^2/NDF: 22.3/21

Left Out: 373.277+/-382.071 χ^2/NDF:30.8/24

Right Out: 946.023+/-471.911 χ^2/NDF: 33.9/26

Left In: 53.099+/-1089.888 χ^2/NDF:14.5/22

Left: 338.236+/-360.558 χ^2/NDF: 45.4/47

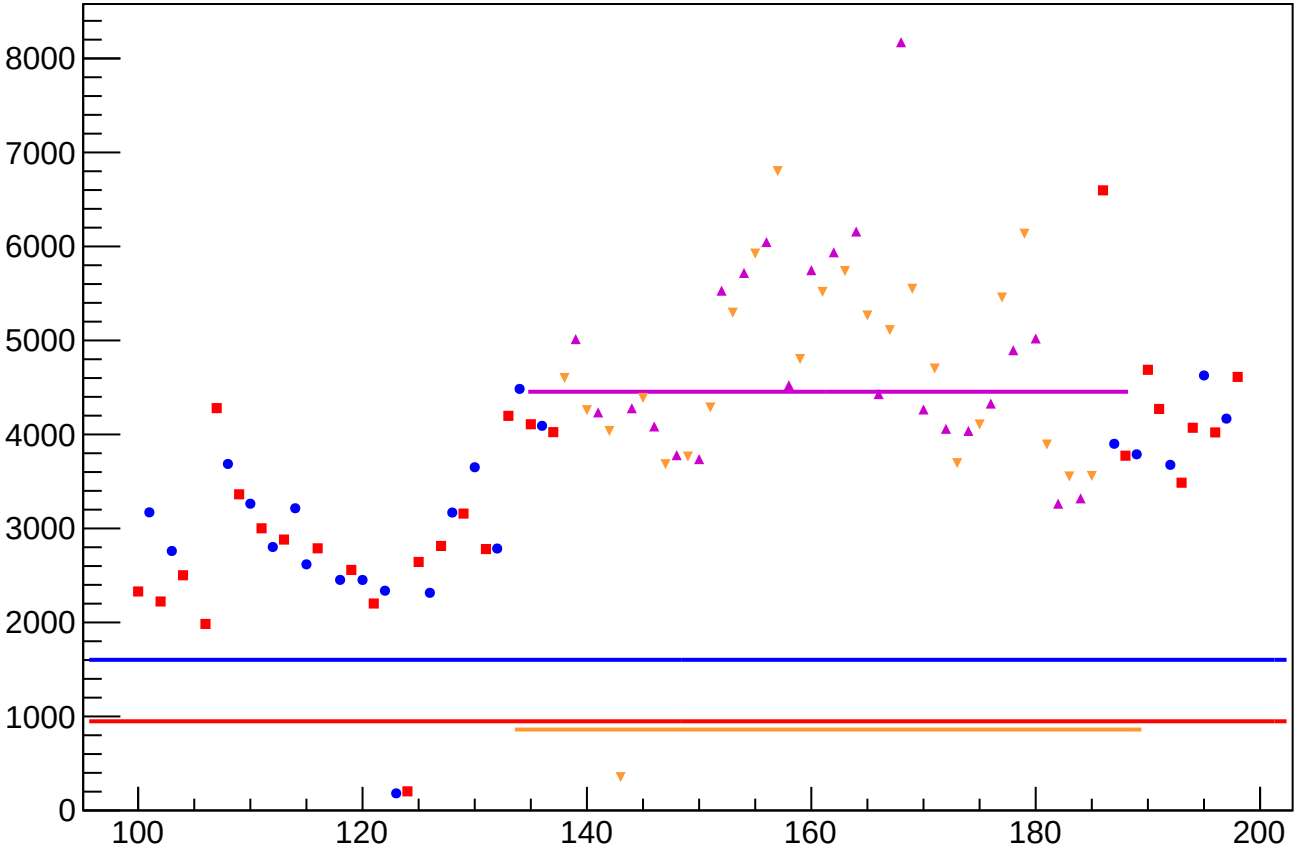
Right: 871.030+/-394.026 χ^2/NDF: 56.3/48

In: 503.858+/-598.419 χ^2/NDF:37.1/44

Out: 600.056+/-296.948 χ^2/NDF:65.6/51

All: 581.049+/-265.999 χ^2/NDF: 102.7/96

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1602.437+/-0.506 χ^2/NDF: 9312146.9/21

Left Out: 860.545+/-0.270 χ^2/NDF:26340106.5/24

Right Out: 948.536+/-0.334 χ^2/NDF: 15845152.4/26

Left In: 4454.402+/-0.771 χ^2/NDF:1349758.1/22

Left: 1253.867+/-0.255 χ^2/NDF: 47056303.3/47

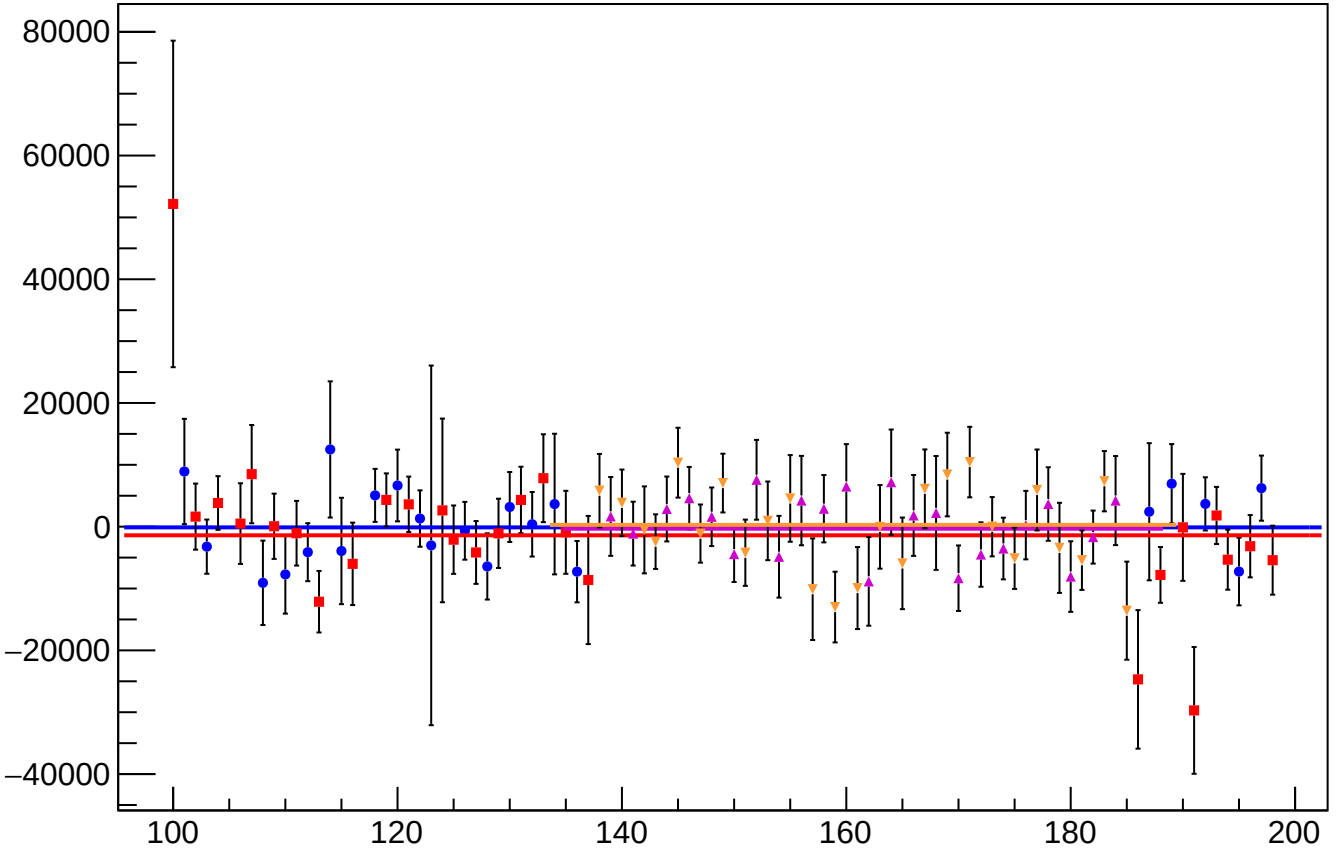
Right: 1146.567+/-0.279 χ^2/NDF: 26320234.7/48

In: 2462.224+/-0.423 χ^2/NDF:20228089.4/44

Out: 895.385+/-0.210 χ^2/NDF:42227259.4/51

All: 1204.967+/-0.188 χ^2/NDF: 73457259.4/9

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -114.331+/-1225.139 χ^2/NDF: 19.1/21

Left Out: 288.508+/-1155.419 χ^2/NDF:32.4/24

Right Out: -1395.097+/-1115.653 χ^2/NDF: 35.3/26

Left In: -332.488+/-1196.011 χ^2/NDF:14.7/22

Left: -11.273+/-830.984 χ^2/NDF: 47.2/47

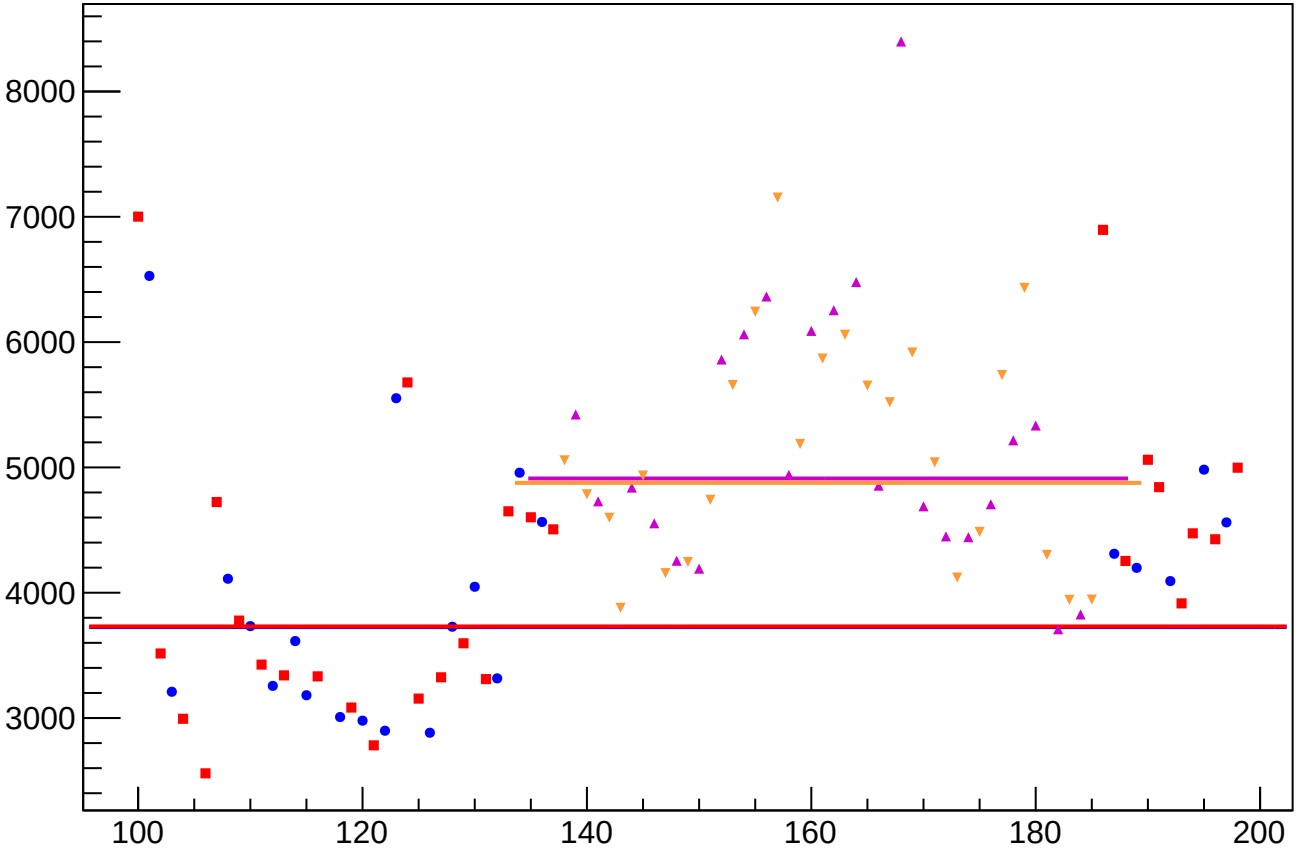
Right: -814.489+/-824.883 χ^2/NDF: 55.0/48

In: -226.034+/-855.820 χ^2/NDF:33.8/44

Out: -582.765+/-802.576 χ^2/NDF:68.8/51

All: -415.841+/-585.425 χ^2/NDF: 102.7/96

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3725.963+/-0.866 χ^2/NDF: 793723.9/21

Left Out: 4876.564+/-0.817 χ^2/NDF:972528.1/24

Right Out: 3730.818+/-0.782 χ^2/NDF: 999522.1/26

Left In: 4911.546+/-0.846 χ^2/NDF:1043164.6/22

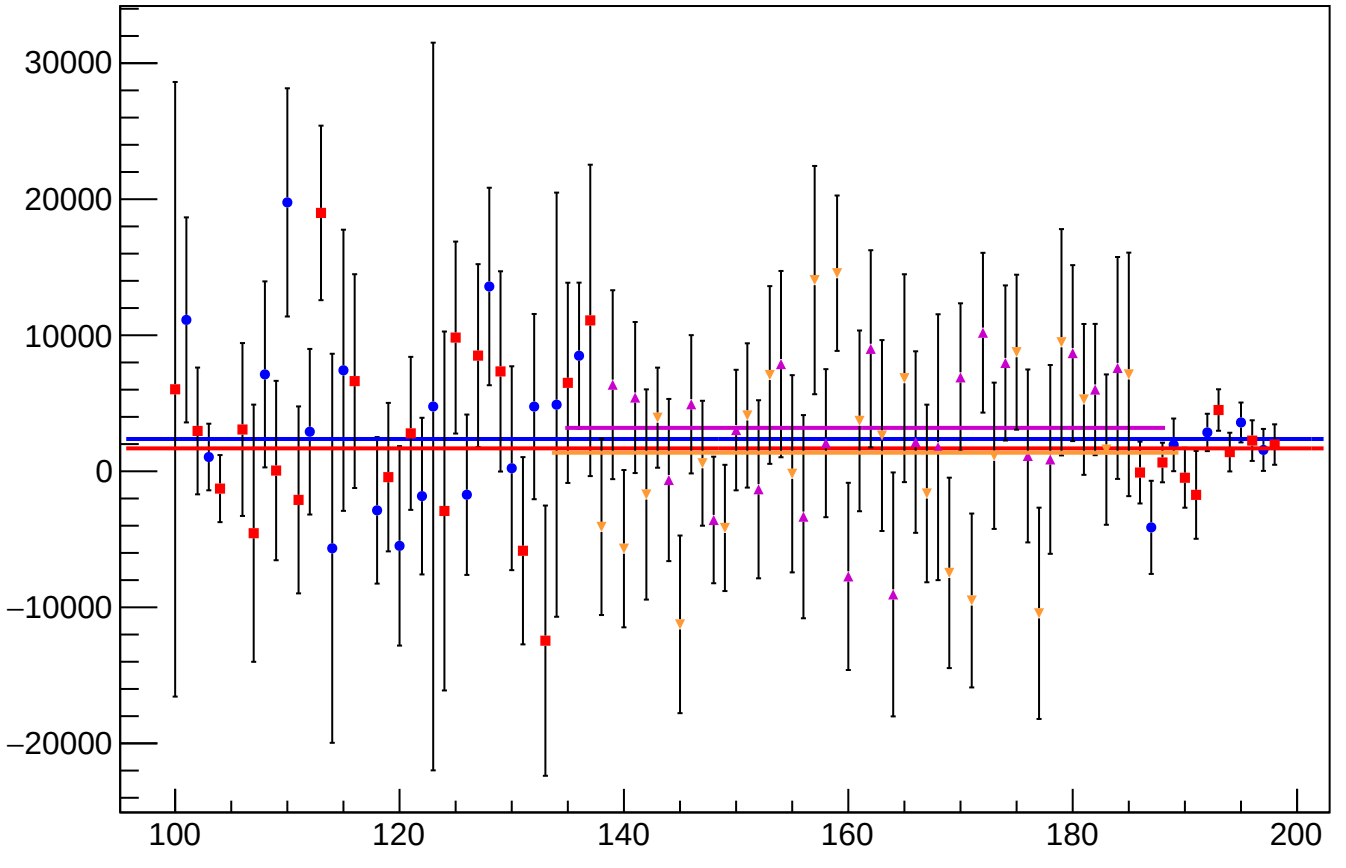
Left: 4893.451+/-0.588 χ^2/NDF: 2016577.8/47

Right: 3728.639+/-0.580 χ^2/NDF: 1793263.3/48

In: 4333.013+/-0.605 χ^2/NDF:2795891.0/44

Out: 4278.370+/-0.565 χ^2/NDF:2998839.2/51

All: 4303.809+/-0.413 χ^2/NDF: 5799087.9/96



Right In: 2374.042+/-667.982 χ^2/NDF: 18.7/21

Left Out: 1365.082+/-1206.268 χ^2/NDF:28.0/24

Right Out: 1684.262+/-549.350 χ^2/NDF: 24.5/26

Left In: 3191.160+/-1270.021 χ^2/NDF:14.0/22

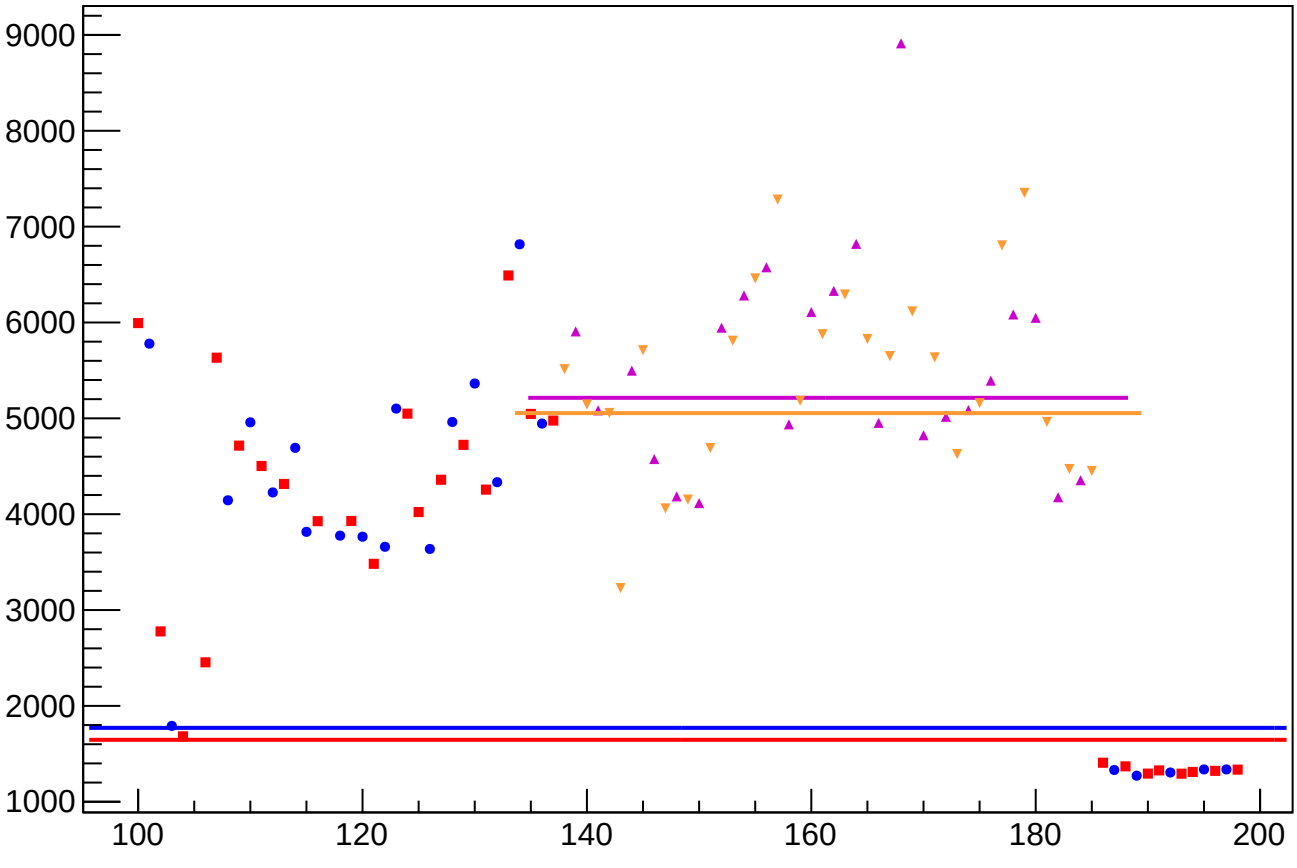
Left: 2231.138+/-874.630 χ^2/NDF: 43.0/47

Right: 1962.564+/-424.295 χ^2/NDF: 43.9/48

In: 2551.104+/-591.196 χ^2/NDF:33.1/44

Out: 1629.435+/-499.946 χ^2/NDF:52.5/51

All: 2013.728+/-381.747 χ^2/NDF: 87.0/96



Right In: 1770.775+/-0.472 χ^2/NDF: 5221238.9/21

Left Out: 5054.711+/-0.853 χ^2/NDF:1437224.7/24

Right Out: 1646.062+/-0.388 χ^2/NDF: 5410238.9/26

Left In: 5214.120+/-0.898 χ^2/NDF:1052501.5/22

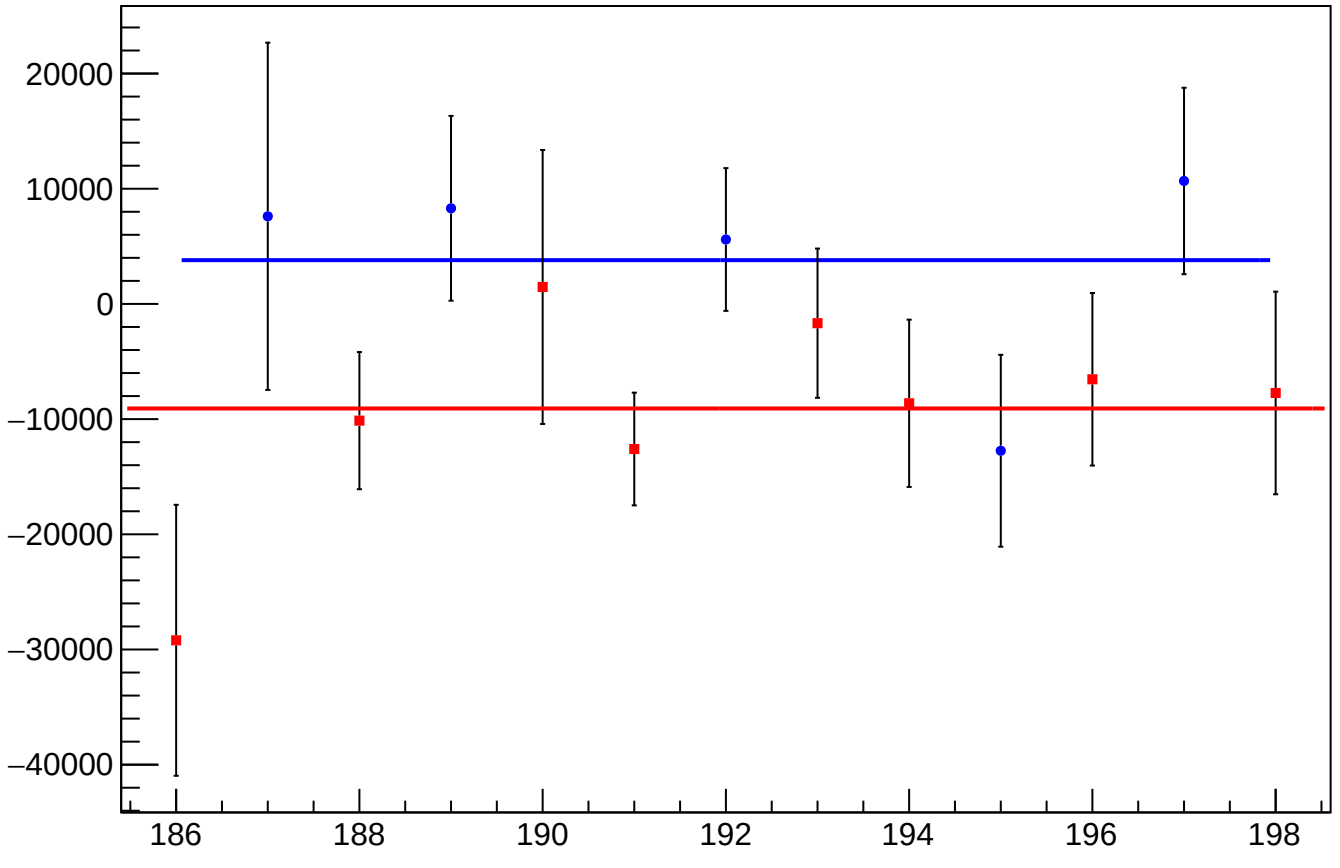
Left: 5130.314+/-0.618 χ^2/NDF: 2506291.2/47

Right: 1696.292+/-0.300 χ^2/NDF: 10673114.6/48

In: 2516.911+/-0.418 χ^2/NDF:17789778.1/44

Out: 2230.165+/-0.353 χ^2/NDF:20080928.4/51

All: 2349.557+/-0.270 χ^2/NDF: 38145309.6/9



Right In: 3799.219+/-3635.351 χ^2/NDF: 5.1/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -9076.474+/-2517.359 χ^2/NDF: 5.7/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

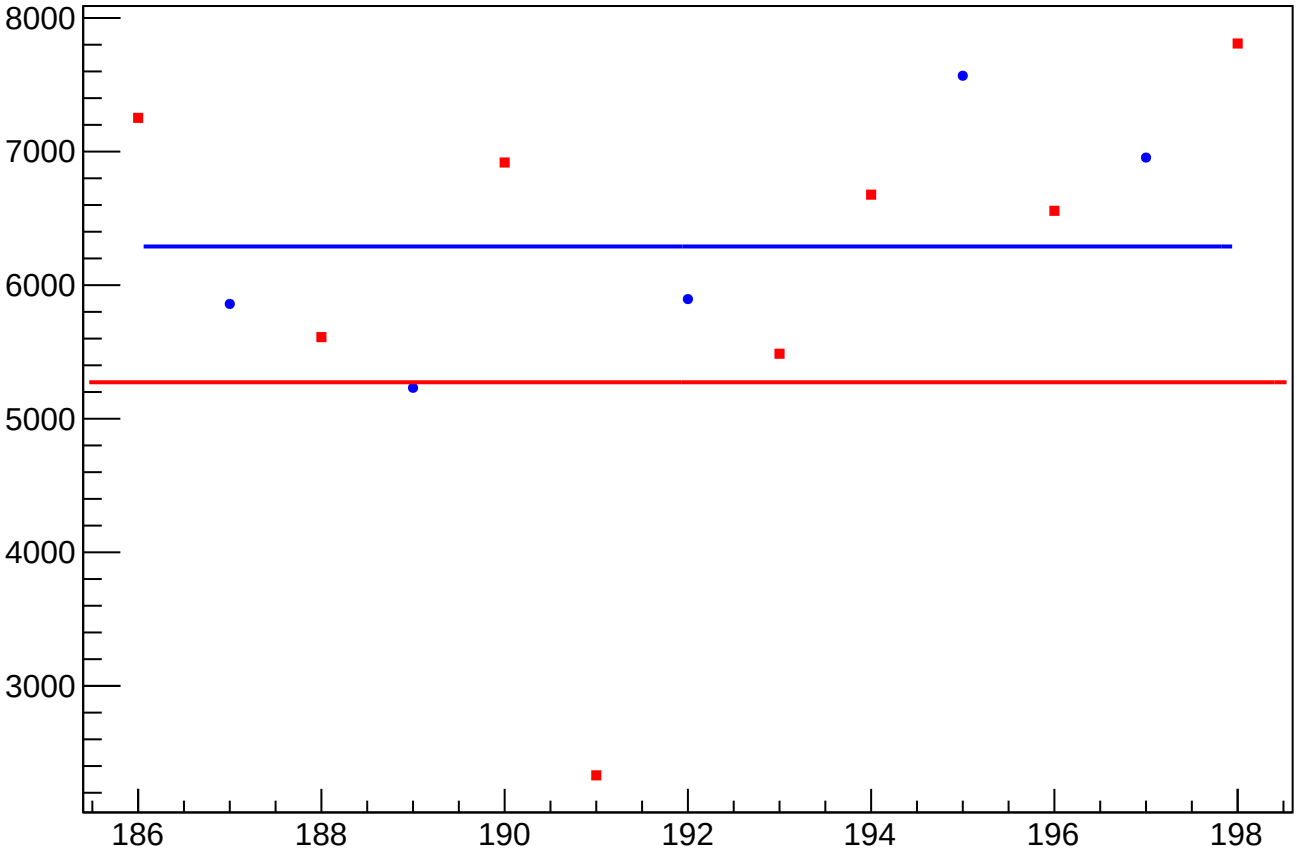
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -4903.456+/-2069.599 χ^2/NDF: 19.3/12

In: 3799.219+/-3635.351 χ^2/NDF:5.1/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: -4903.456+/-2069.599 χ^2/NDF: 19.3/12



Right In: 6289.592+/-2.571 χ^2/NDF: 105121.3/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 5273.030+/-1.780 χ^2/NDF: 1126412.7/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

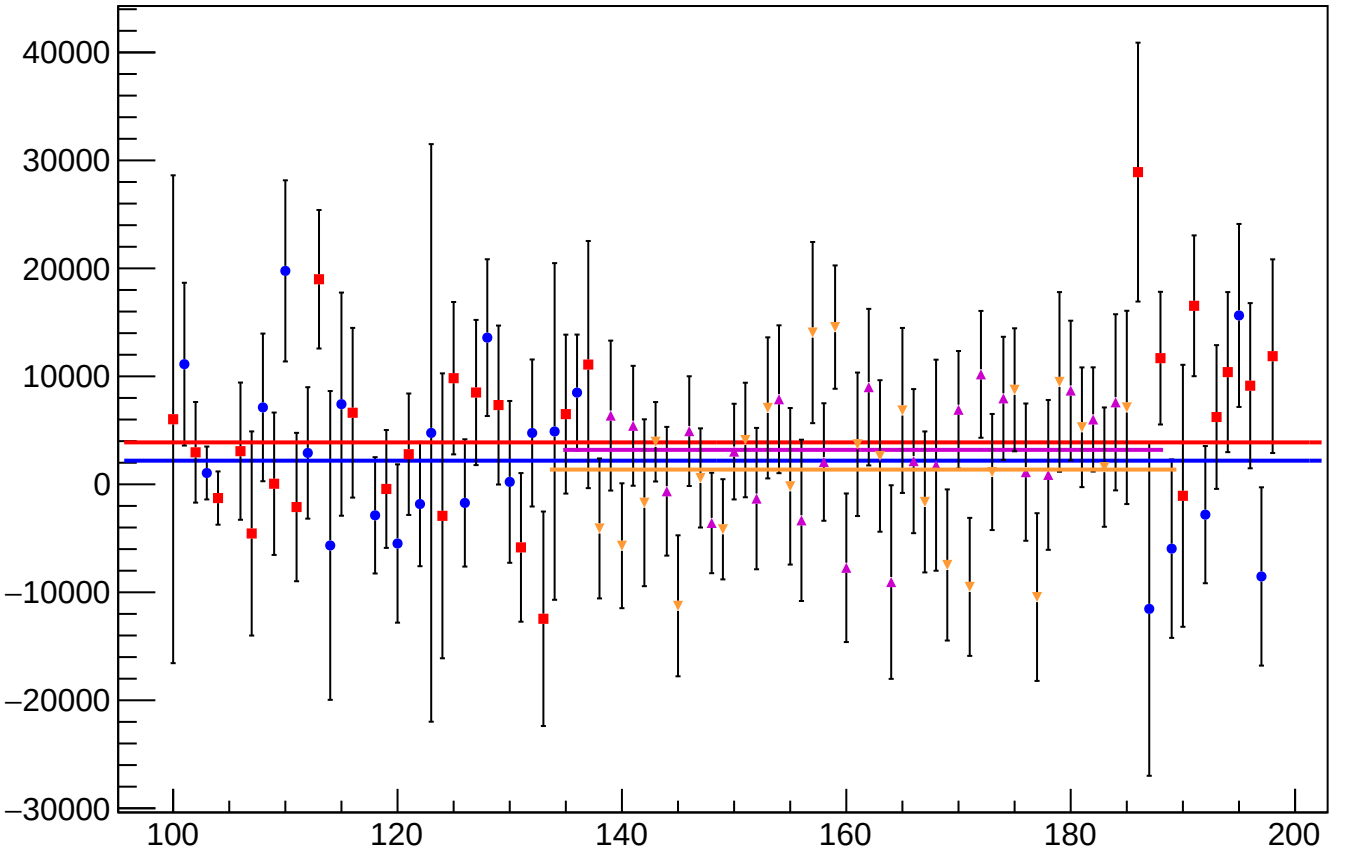
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 5602.498+/-1.463 χ^2/NDF: 1337237.0/12

In: 6289.592+/-2.571 χ^2/NDF:105121.3/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 5602.498+/-1.463 χ^2/NDF: 1337237.0/12



Right In: 2191.173+/-1355.877 χ^2/NDF: 20.7/21

Left Out: 1365.082+/-1206.268 χ^2/NDF:28.0/24

Right Out: 3884.857+/-1234.493 χ^2/NDF: 31.6/26

Left In: 3191.160+/-1270.021 χ^2/NDF:14.0/22

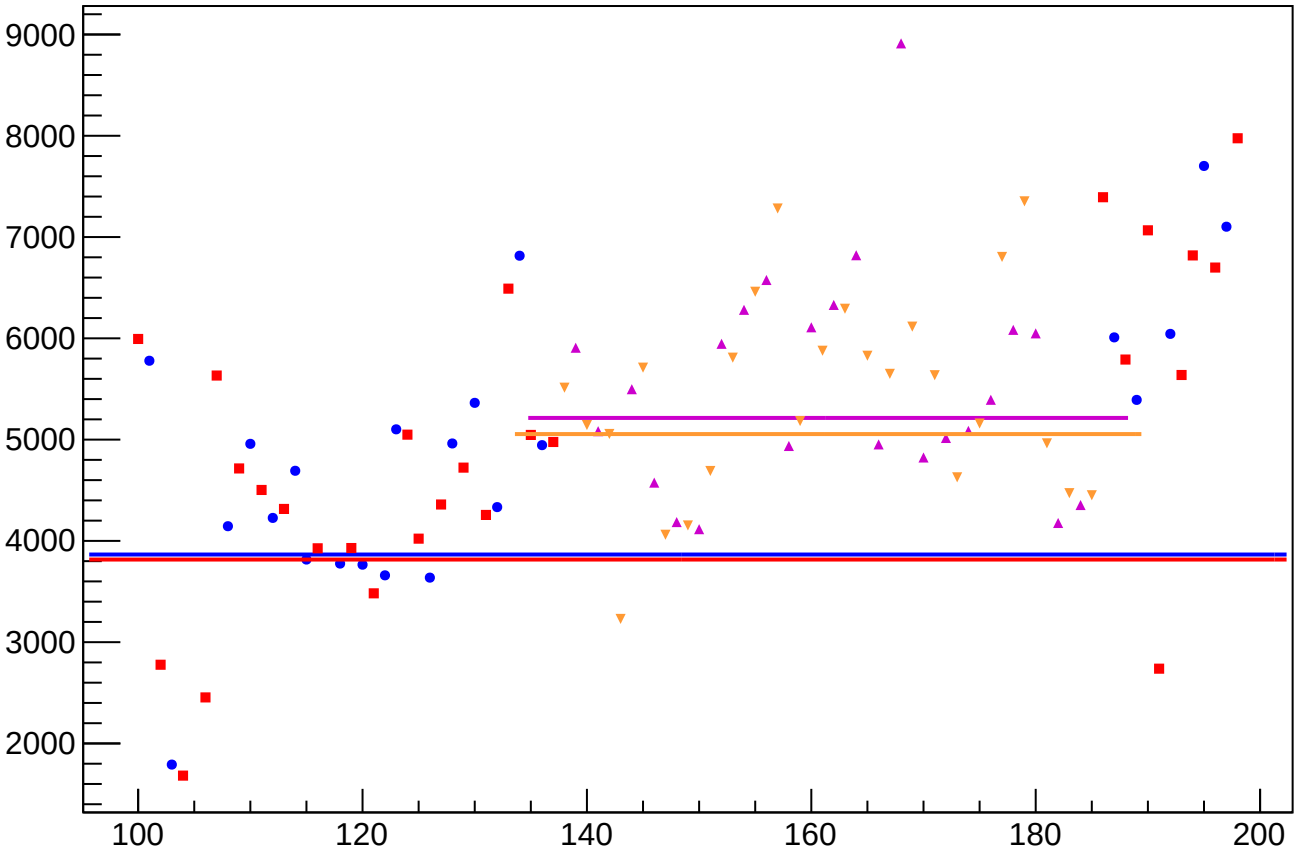
Left: 2231.138+/-874.630 χ^2/NDF: 43.0/47

Right: 3117.206+/-912.821 χ^2/NDF: 53.2/48

In: 2723.827+/-926.907 χ^2/NDF:35.0/44

Out: 2595.834+/-862.766 χ^2/NDF:61.7/51

All: 2655.249+/-631.527 χ^2/NDF: 96.7/96



Right In: 3865.404+/-0.959 χ^2/NDF: 2972284.5/21

Left Out: 5054.711+/-0.853 χ^2/NDF:1437224.7/24

Right Out: 3815.864+/-0.867 χ^2/NDF: 3962648.3/26

Left In: 5214.120+/-0.898 χ^2/NDF:1052501.5/22

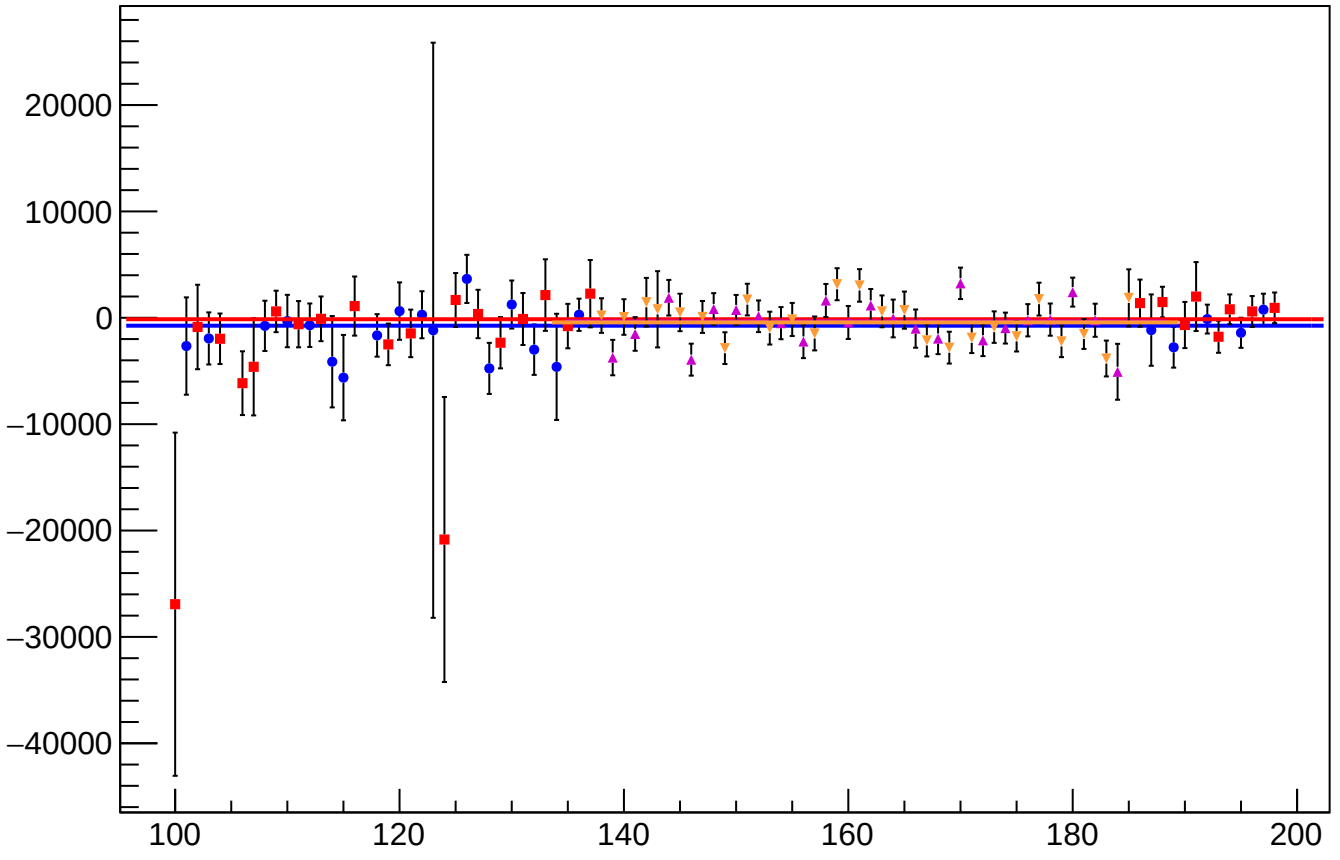
Left: 5130.314+/-0.618 χ^2/NDF: 2506291.2/47

Right: 3838.138+/-0.643 χ^2/NDF: 6936402.3/48

In: 4583.798+/-0.655 χ^2/NDF:5078908.9/44

Out: 4445.066+/-0.608 χ^2/NDF:6437969.5/51

All: 4509.218+/-0.446 χ^2/NDF: 11540964.2/9



Right In: -742.939+/-467.402 χ^2/NDF: 15.1/21

Left Out: -431.715+/-320.540 χ^2/NDF:33.1/24

Right Out: -137.257+/-418.464 χ^2/NDF: 20.2/26

Left In: -343.737+/-324.368 χ^2/NDF:33.8/22

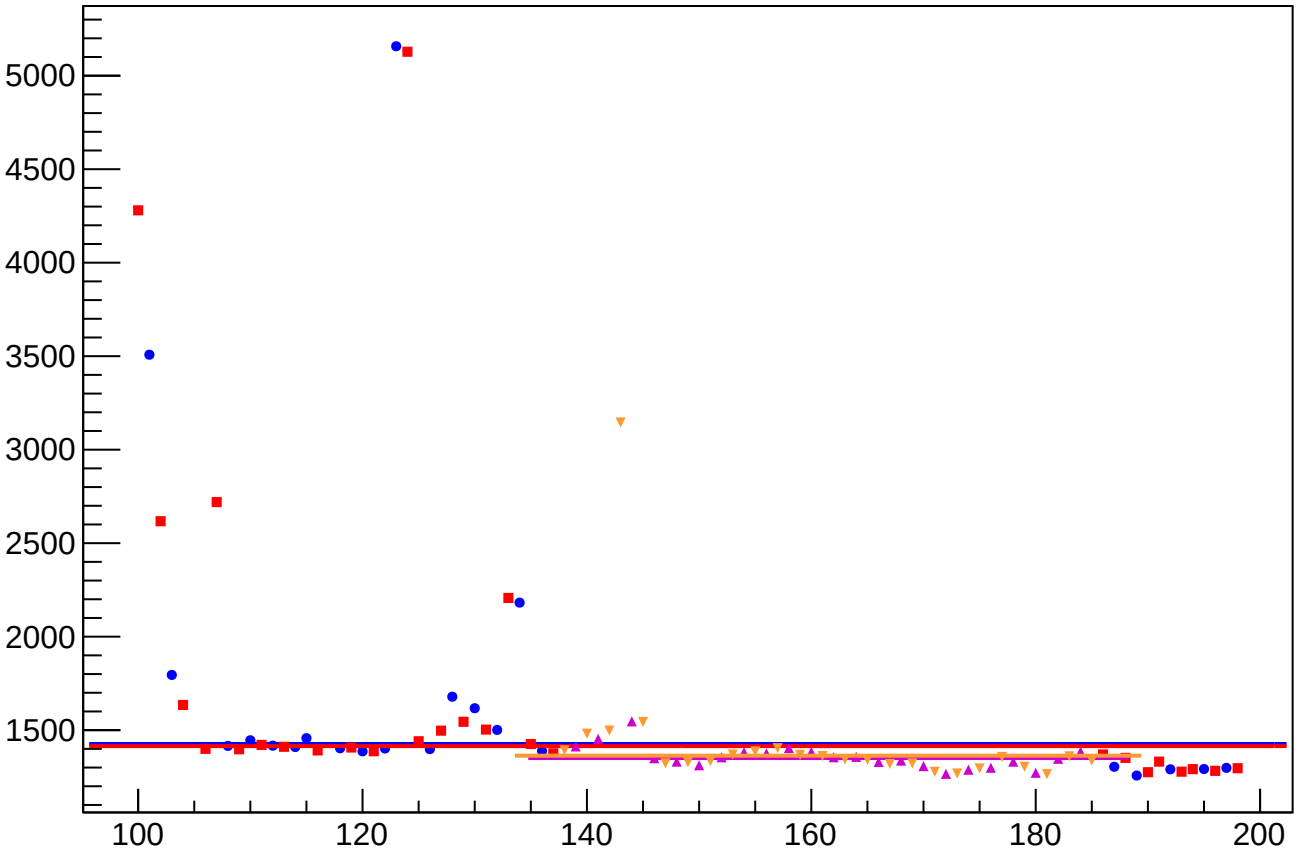
Left: -388.248+/-227.997 χ^2/NDF: 66.9/47

Right: -406.740+/-311.770 χ^2/NDF: 36.2/48

In: -473.501+/-266.484 χ^2/NDF:49.4/44

Out: -322.831+/-254.465 χ^2/NDF:53.5/51

All: -394.692+/-184.037 χ^2/NDF: 103.1/96



Right In: 1425.978+/-0.331 χ^2/NDF: 655507.4/21

Left Out: 1363.561+/-0.227 χ^2/NDF:575226.6/24

Right Out: 1414.643+/-0.296 χ^2/NDF: 780055.3/26

Left In: 1350.909+/-0.229 χ^2/NDF:67144.5/22

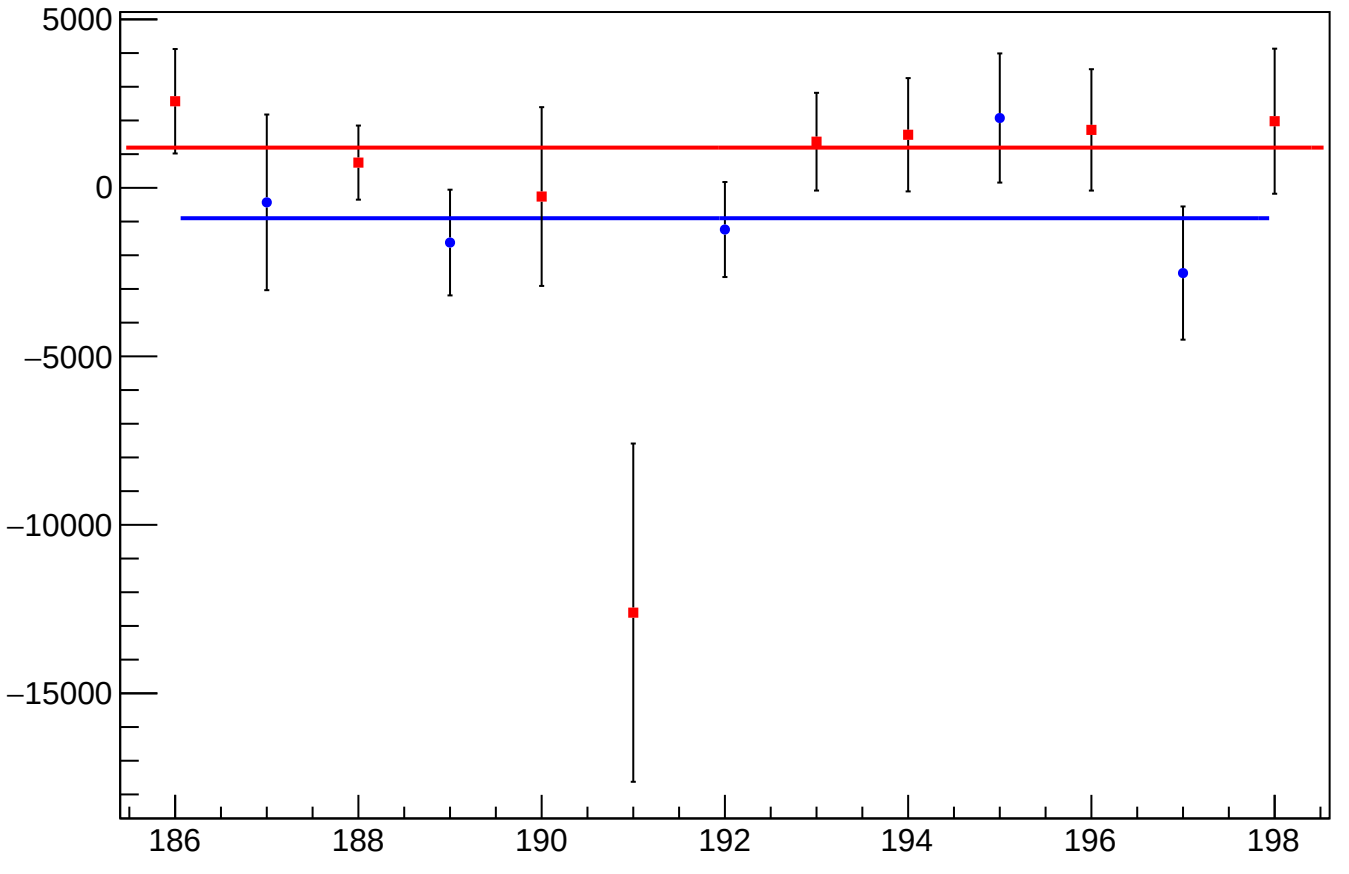
Left: 1357.310+/-0.161 χ^2/NDF: 643910.7/47

Right: 1419.686+/-0.220 χ^2/NDF: 1436215.6/48

In: 1375.311+/-0.188 χ^2/NDF:757472.7/44

Out: 1382.450+/-0.180 χ^2/NDF:1374063.8/51

All: 1379.045+/-0.130 χ^2/NDF: 2132287.3/96



Right In: -901.006+/-794.294 χ^2/NDF: 3.4/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 1194.393+/-599.901 χ^2/NDF: 9.1/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

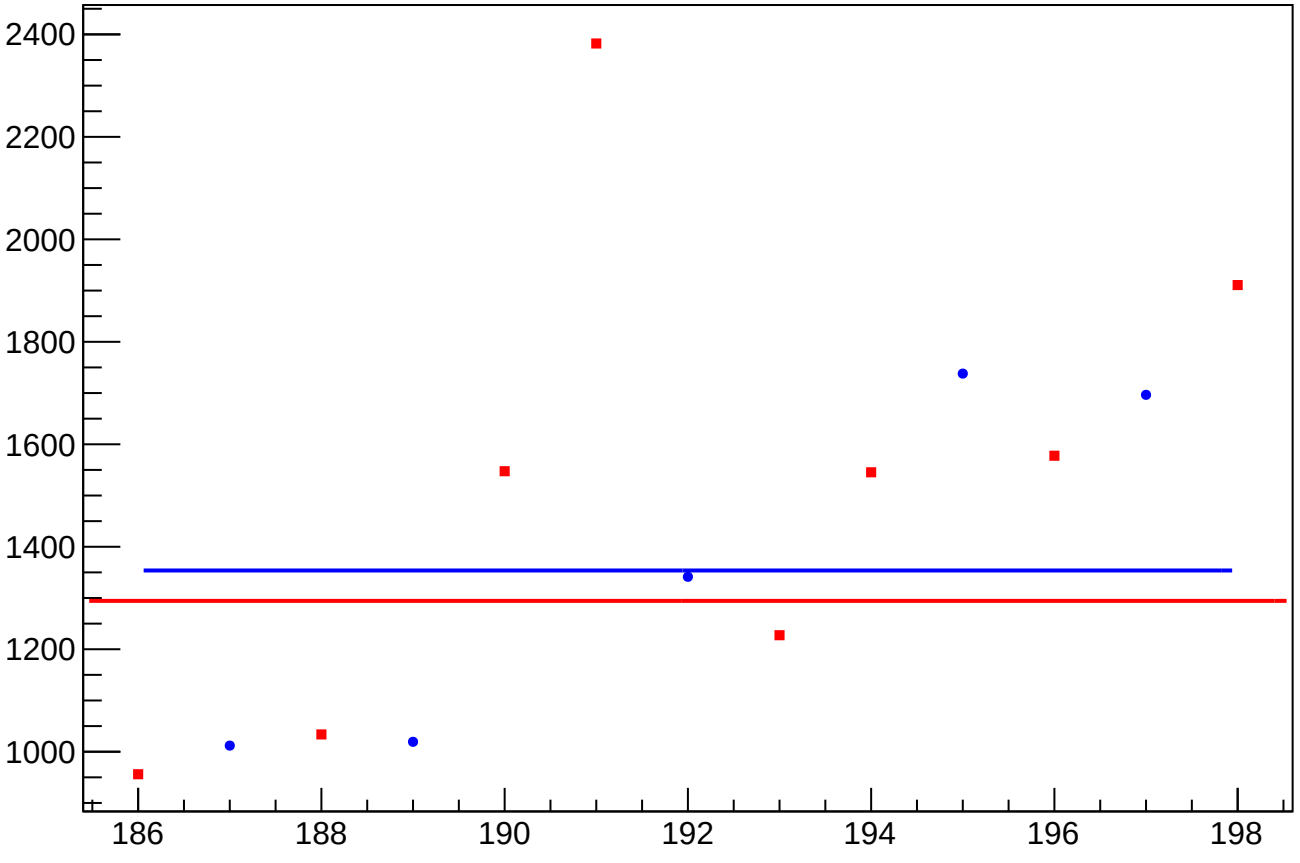
Right: 433.284+/-478.708 χ^2/NDF: 16.9/12

In: -901.006+/-794.294 χ^2/NDF:3.4/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 433.284+/-478.708 χ^2/NDF: 16.9/12

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1353.703+/-0.562 χ^2/NDF: 266008.2/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 1294.415+/-0.424 χ^2/NDF: 582176.8/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

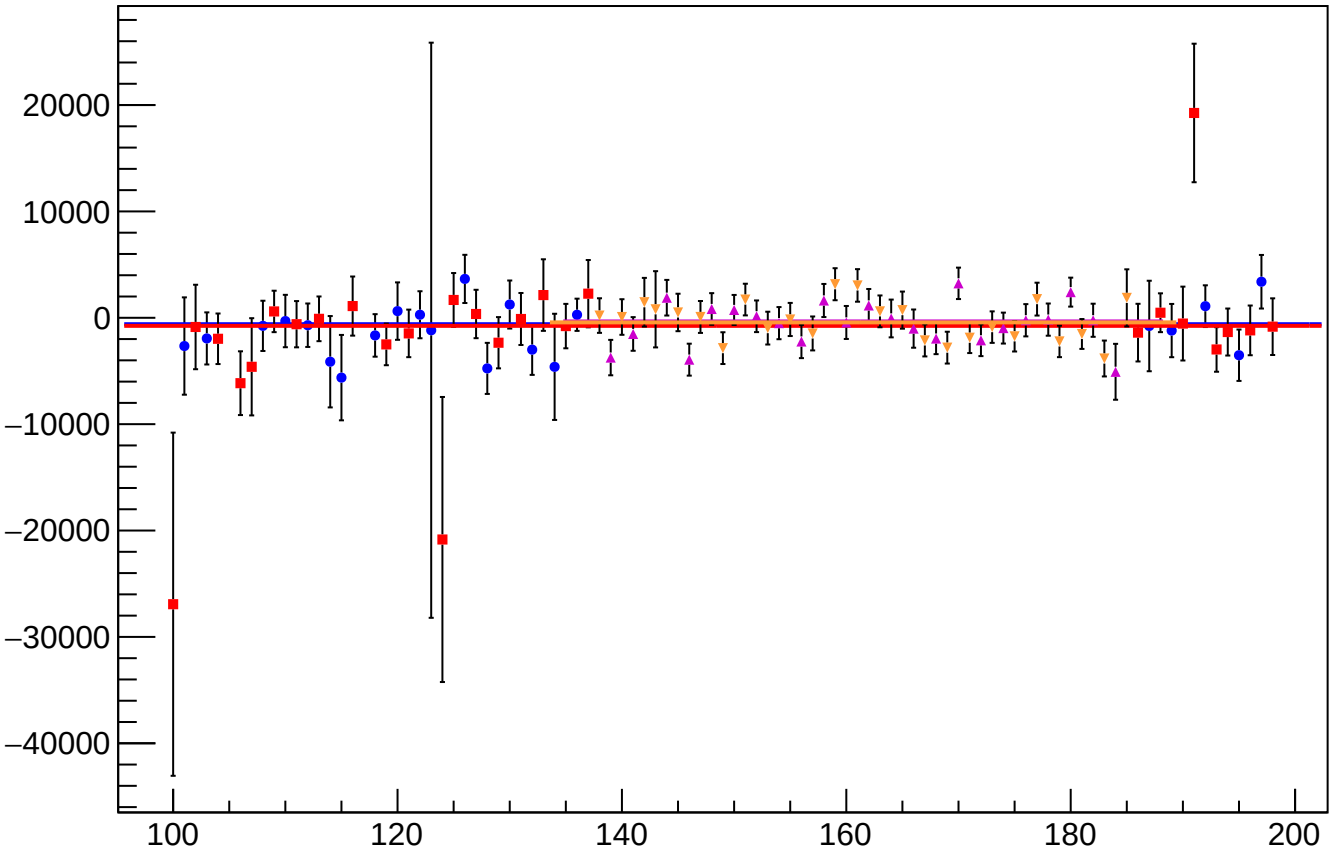
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 1315.950+/-0.338 χ^2/NDF: 855280.4/12

In: 1353.703+/-0.562 χ^2/NDF:266008.2/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 1315.950+/-0.338 χ^2/NDF: 855280.4/12



Right In: -603.974+/-532.214 χ^2/NDF: 17.4/21

Left Out: -431.715+/-320.540 χ^2/NDF:33.1/24

Right Out: -756.175+/-493.348 χ^2/NDF: 25.5/26

Left In: -343.737+/-324.368 χ^2/NDF:33.8/22

Left: -388.248+/-227.997 χ^2/NDF: 66.9/47

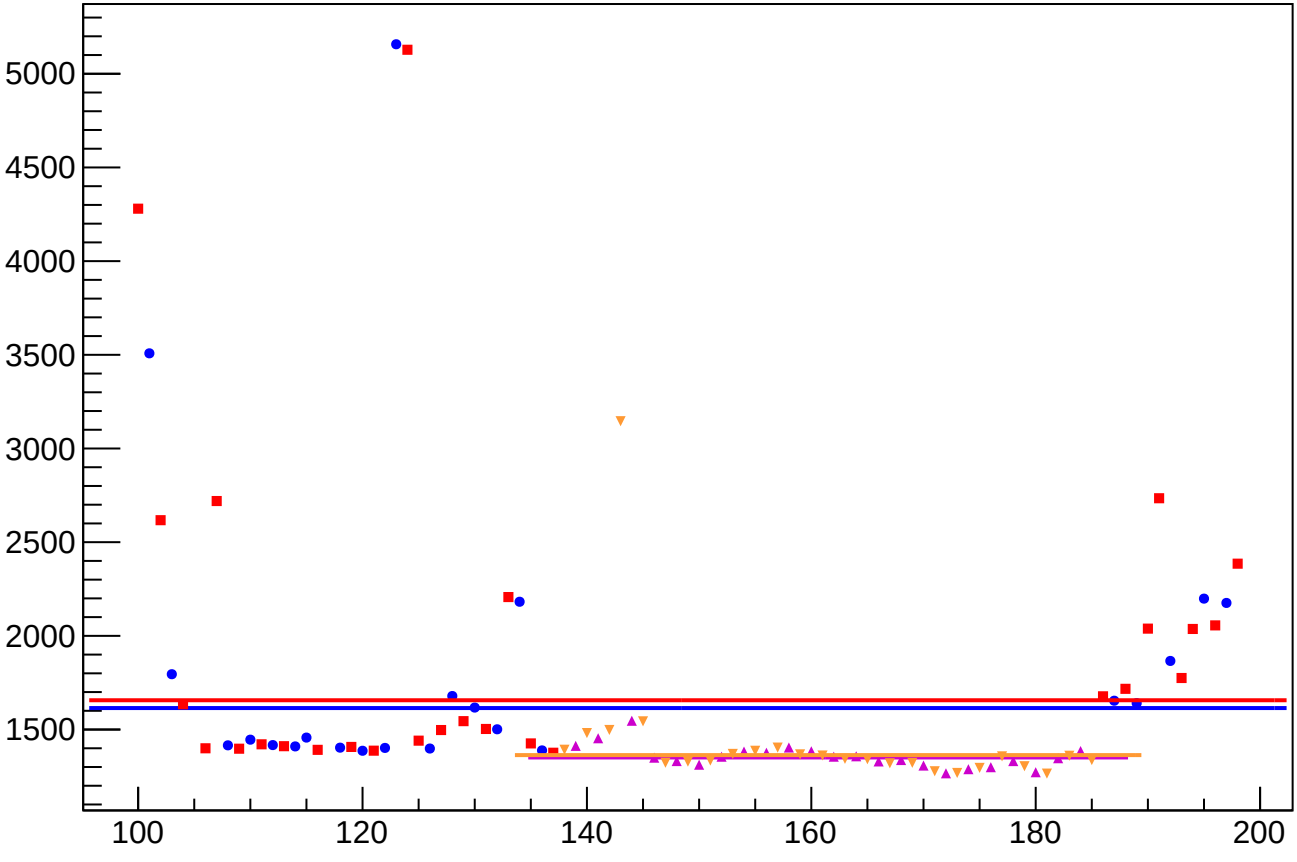
Right: -685.834+/-361.810 χ^2/NDF: 43.0/48

In: -414.221+/-276.980 χ^2/NDF:51.3/44

Out: -528.026+/-268.789 χ^2/NDF:58.9/51

All: -472.831+/-192.893 χ^2/NDF: 110.3/96

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1614.639+/-0.376 χ^2/NDF: 836935.1/21

Left Out: 1363.561+/-0.227 χ^2/NDF:575226.6/24

Right Out: 1656.317+/-0.349 χ^2/NDF: 1078425.5/26

Left In: 1350.909+/-0.229 χ^2/NDF:67144.5/22

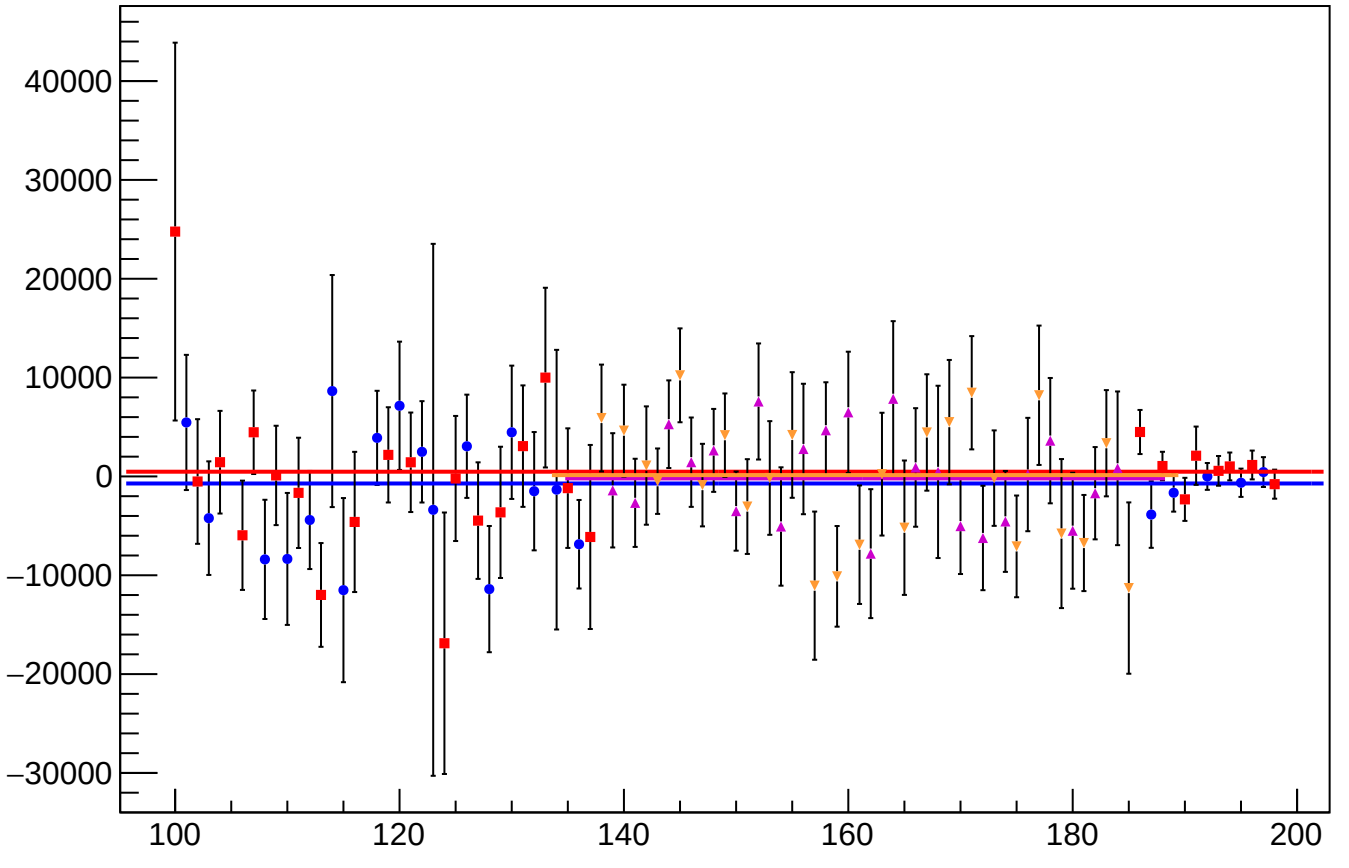
Left: 1357.310+/-0.161 χ^2/NDF: 643910.7/47

Right: 1637.055+/-0.256 χ^2/NDF: 1921957.6/48

In: 1422.340+/-0.196 χ^2/NDF:1262173.3/44

Out: 1450.462+/-0.190 χ^2/NDF:2148869.2/51

All: 1436.823+/-0.136 χ^2/NDF: 3421660.8/96



Right In: -714.409+/-664.213 χ^2/NDF: 17.2/21

Left Out: 132.142+/-1065.543 χ^2/NDF:28.1/24

Right Out: 477.373+/-541.289 χ^2/NDF: 21.5/26

Left In: -200.182+/-1123.499 χ^2/NDF:14.7/22

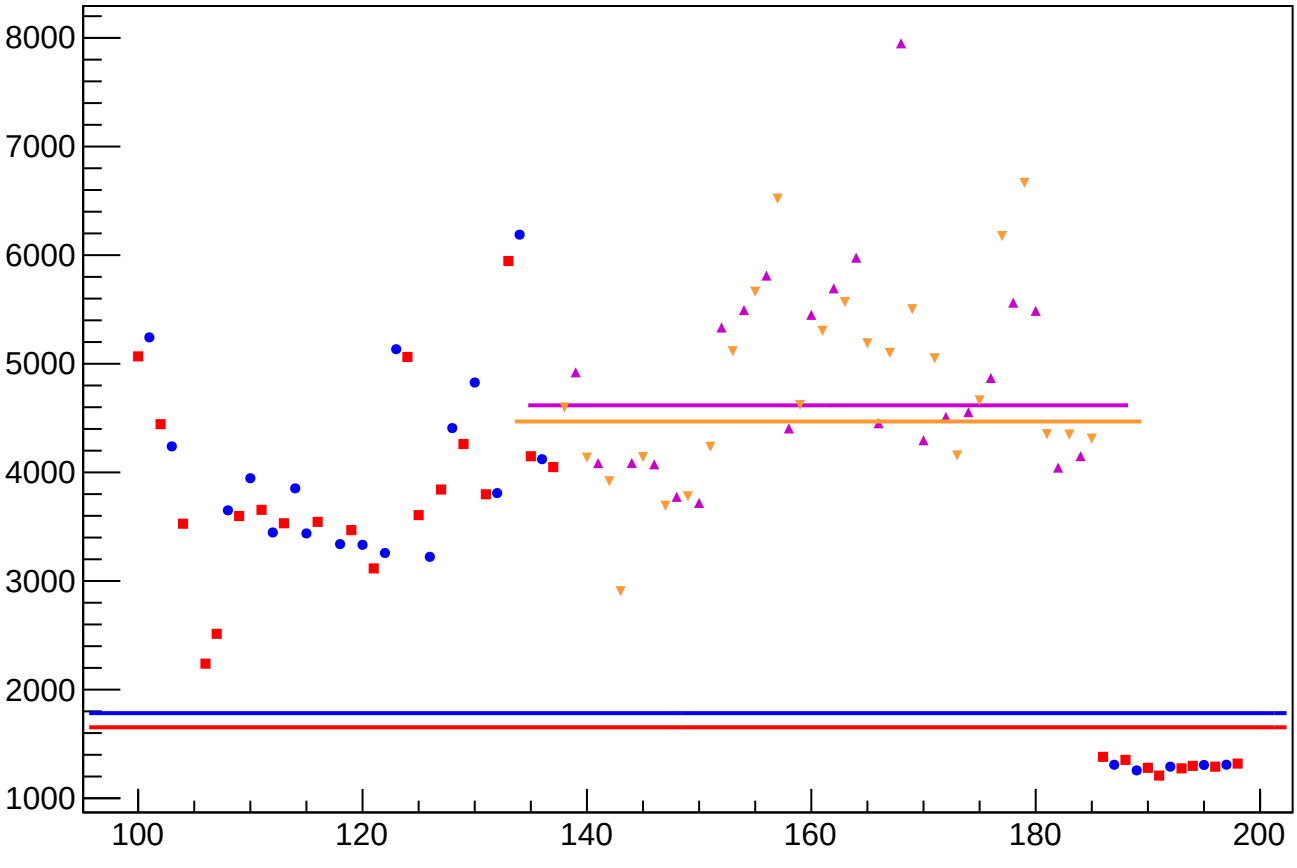
Left: -25.227+/-773.130 χ^2/NDF: 42.9/47

Right: 1.756+/-419.602 χ^2/NDF: 40.7/48

In: -581.227+/-571.766 χ^2/NDF:32.1/44

Out: 406.558+/-482.591 χ^2/NDF:49.7/51

All: -4.384+/-368.788 χ^2/NDF: 83.6/96



Right In: 1783.490+/-0.470 χ^2/NDF: 4893612.8/21

Left Out: 4468.520+/-0.753 χ^2/NDF:1380601.0/24

Right Out: 1653.154+/-0.382 χ^2/NDF: 5007551.8/26

Left In: 4617.293+/-0.794 χ^2/NDF:999599.8/22

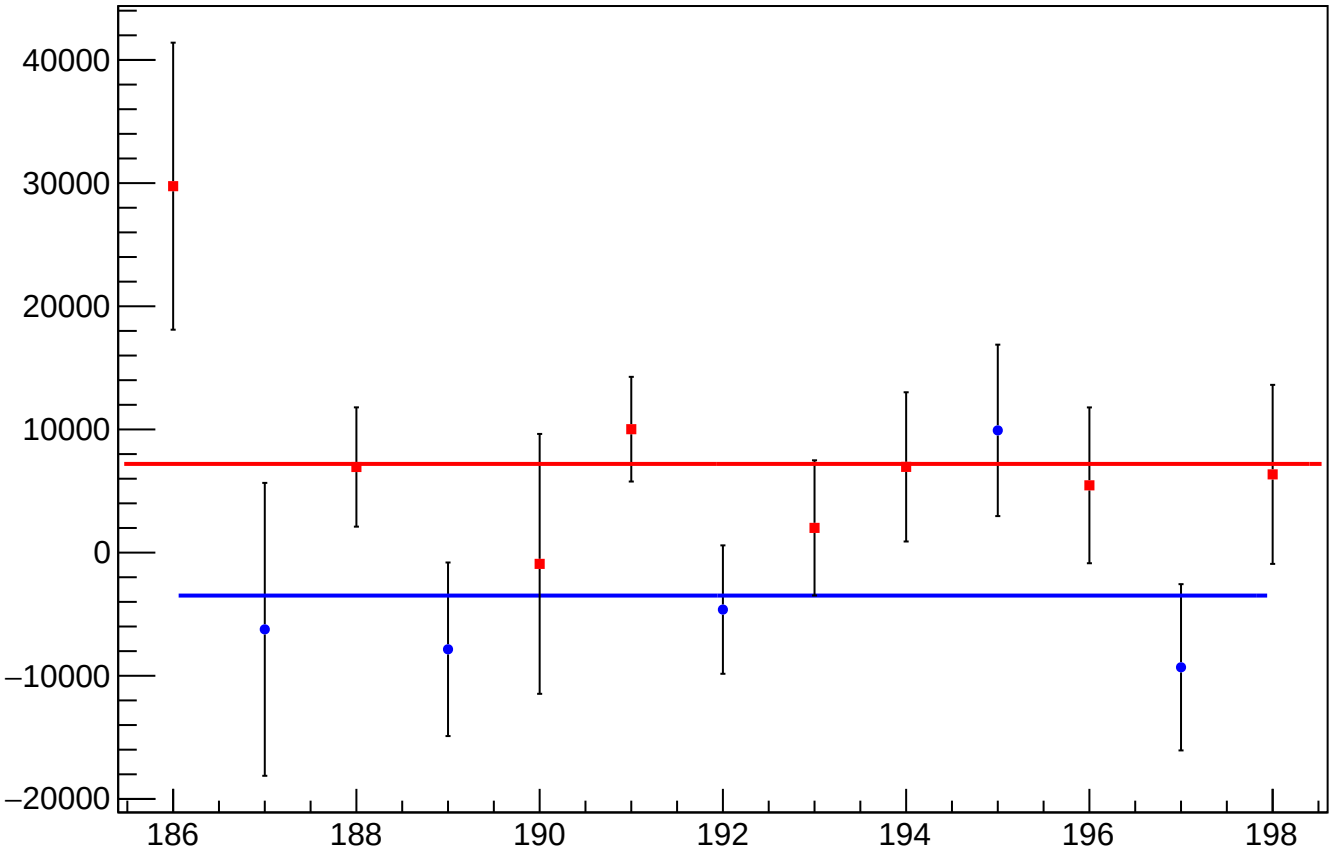
Left: 4538.970+/-0.547 χ^2/NDF: 2398663.8/47

Right: 1705.081+/-0.296 χ^2/NDF: 9947493.7/48

In: 2517.424+/-0.404 χ^2/NDF:15321790.6/44

Out: 2229.353+/-0.341 χ^2/NDF:17492919.0/51

All: 2349.040+/-0.261 χ^2/NDF: 33111464.4/9



Right In: -3487.993+/-3062.782 χ^2/NDF: 4.9/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 7201.372+/-2138.146 χ^2/NDF: 5.8/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

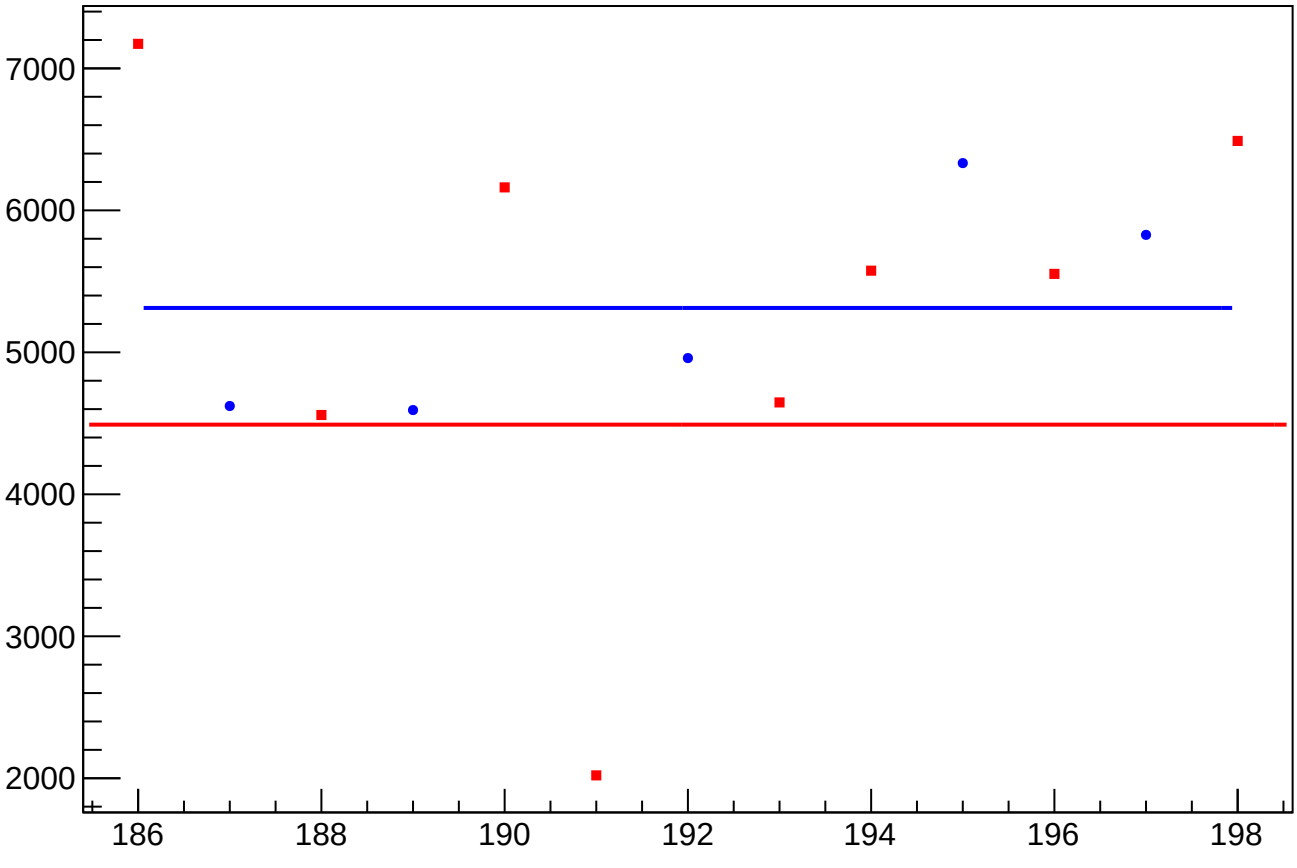
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 3698.850+/-1753.196 χ^2/NDF: 18.9/12

In: -3487.993+/-3062.782 χ^2/NDF:4.9/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 3698.850+/-1753.196 χ^2/NDF: 18.9/12



Right In: 5312.628+/-2.166 χ^2/NDF: 91364.8/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 4490.705+/-1.512 χ^2/NDF: 1105604.2/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

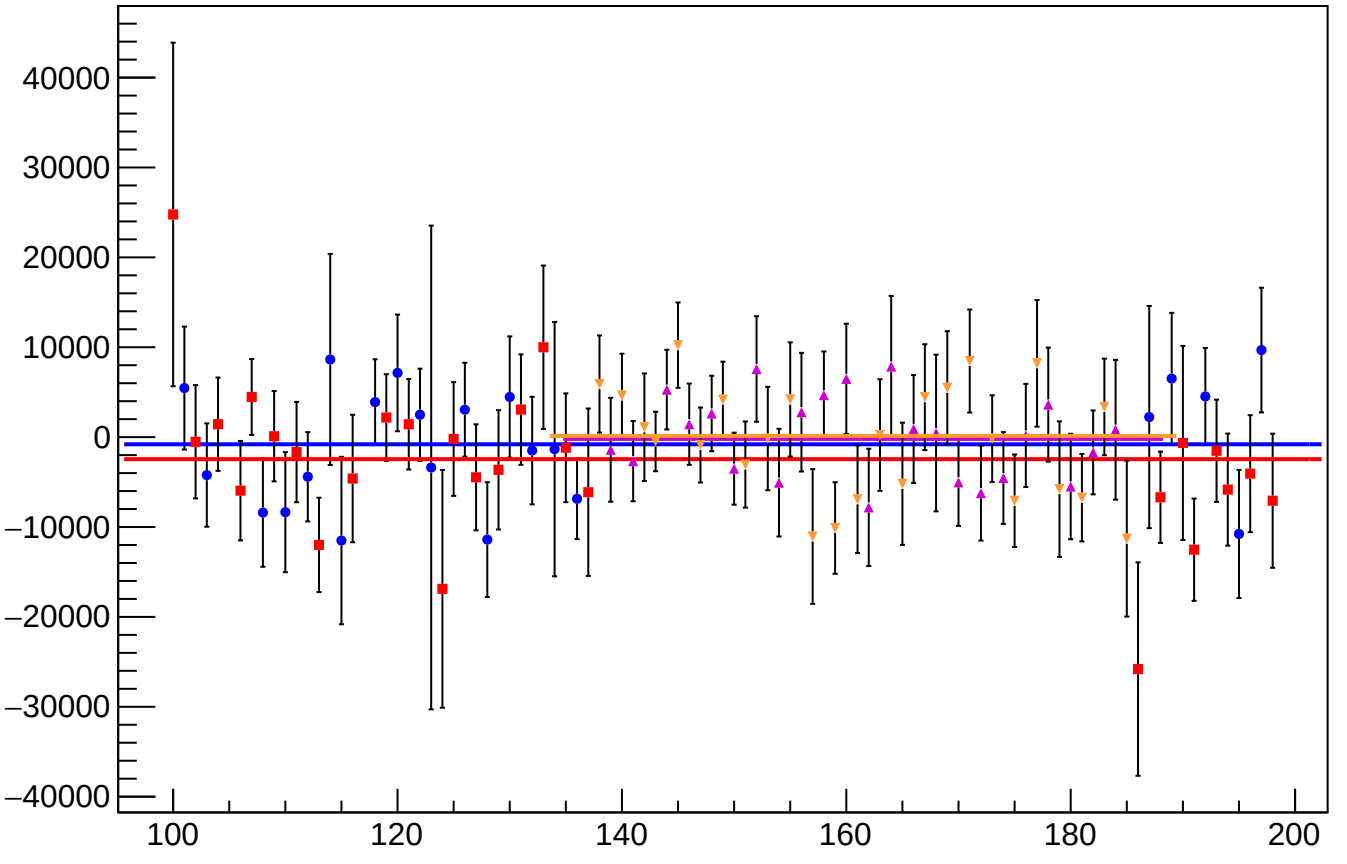
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 4760.020+/-1.240 χ^2/NDF: 1293807.1/12

In: 5312.628+/-2.166 χ^2/NDF:91364.8/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 4760.020+/-1.240 χ^2/NDF: 1293807.1/12



Right In: -795.749+/-1368.105 χ^2/NDF: 21.5/21

Left Out: 132.142+/-1065.543 χ^2/NDF:28.1/24

Right Out: -2447.238+/-1189.067 χ^2/NDF: 23.8/26

Left In: -200.182+/-1123.499 χ^2/NDF:14.7/22

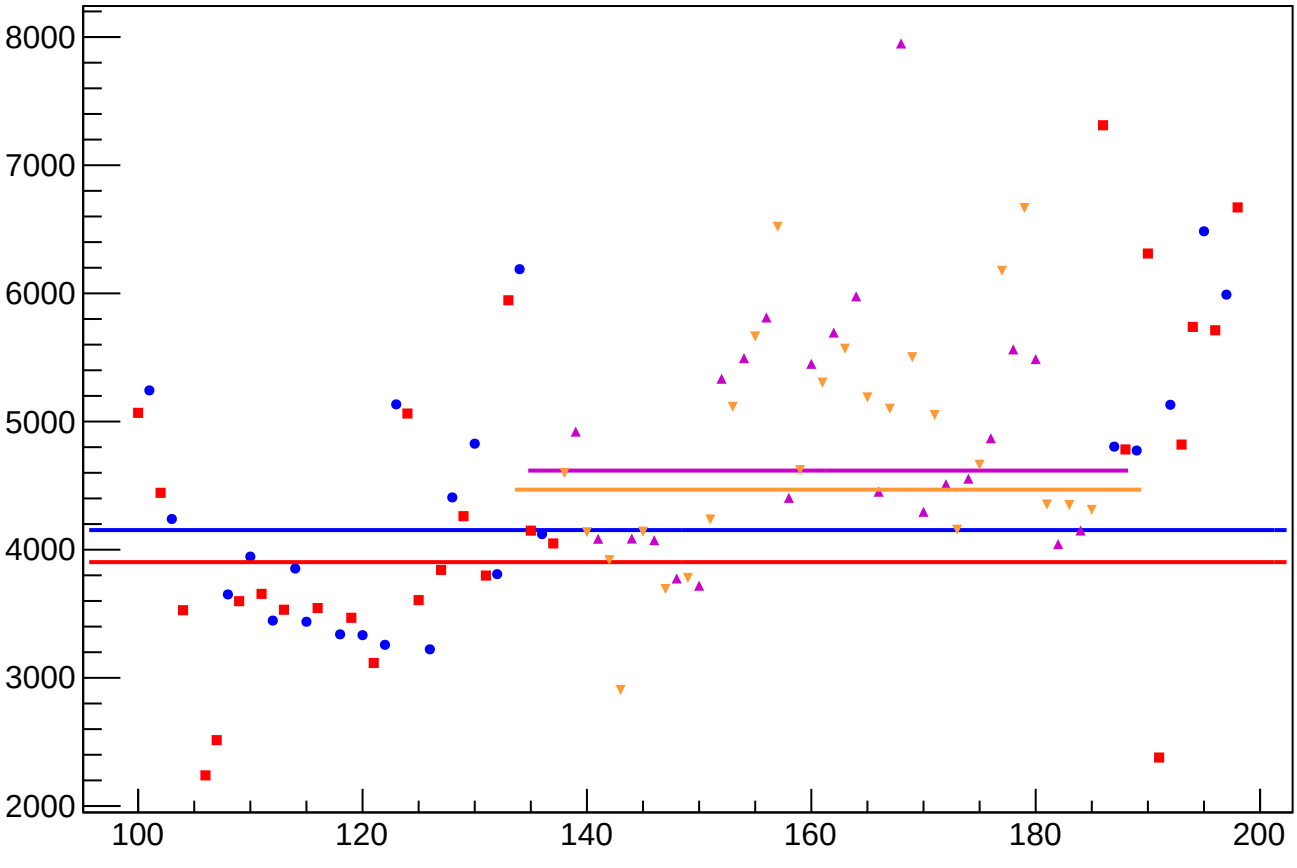
Left: -25.227+/-773.130 χ^2/NDF: 42.9/47

Right: -1736.557+/-897.468 χ^2/NDF: 46.1/48

In: -440.056+/-868.251 χ^2/NDF:36.3/44

Out: -1016.653+/-793.542 χ^2/NDF:54.5/51

All: -754.224+/-585.754 χ^2/NDF: 91.1/96



Right In: 4152.999+/-0.967 χ^2/NDF: 849601.2/21

Left Out: 4468.520+/-0.753 χ^2/NDF:1380601.0/24

Right Out: 3903.025+/-0.835 χ^2/NDF: 1829538.8/26

Left In: 4617.293+/-0.794 χ^2/NDF:999599.8/22

Left: 4538.970+/-0.547 χ^2/NDF: 2398663.8/47

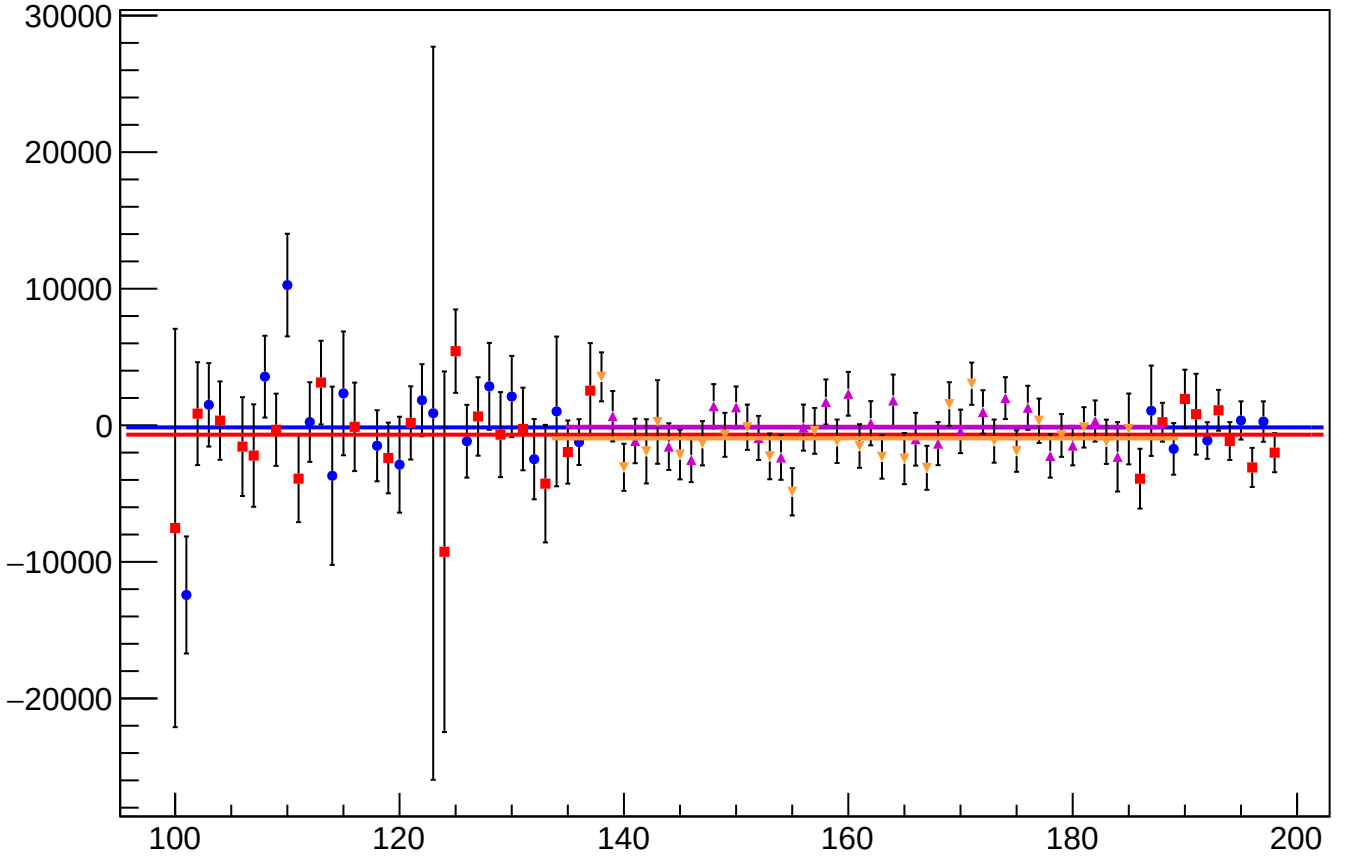
Right: 4009.765+/-0.632 χ^2/NDF: 2717400.5/48

In: 4430.287+/-0.614 χ^2/NDF:1986774.4/44

Out: 4214.759+/-0.559 χ^2/NDF:3462919.0/51

All: 4312.529+/-0.414 χ^2/NDF: 5517028.4/96

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -153.477+/-523.080 χ^2/NDF: 24.0/21

Left Out: -958.410+/-339.496 χ^2/NDF:28.5/24

Right Out: -685.967+/-455.231 χ^2/NDF: 20.0/26

Left In: -107.512+/-343.663 χ^2/NDF:19.5/22

Left: -538.150+/-241.520 χ^2/NDF: 51.1/47

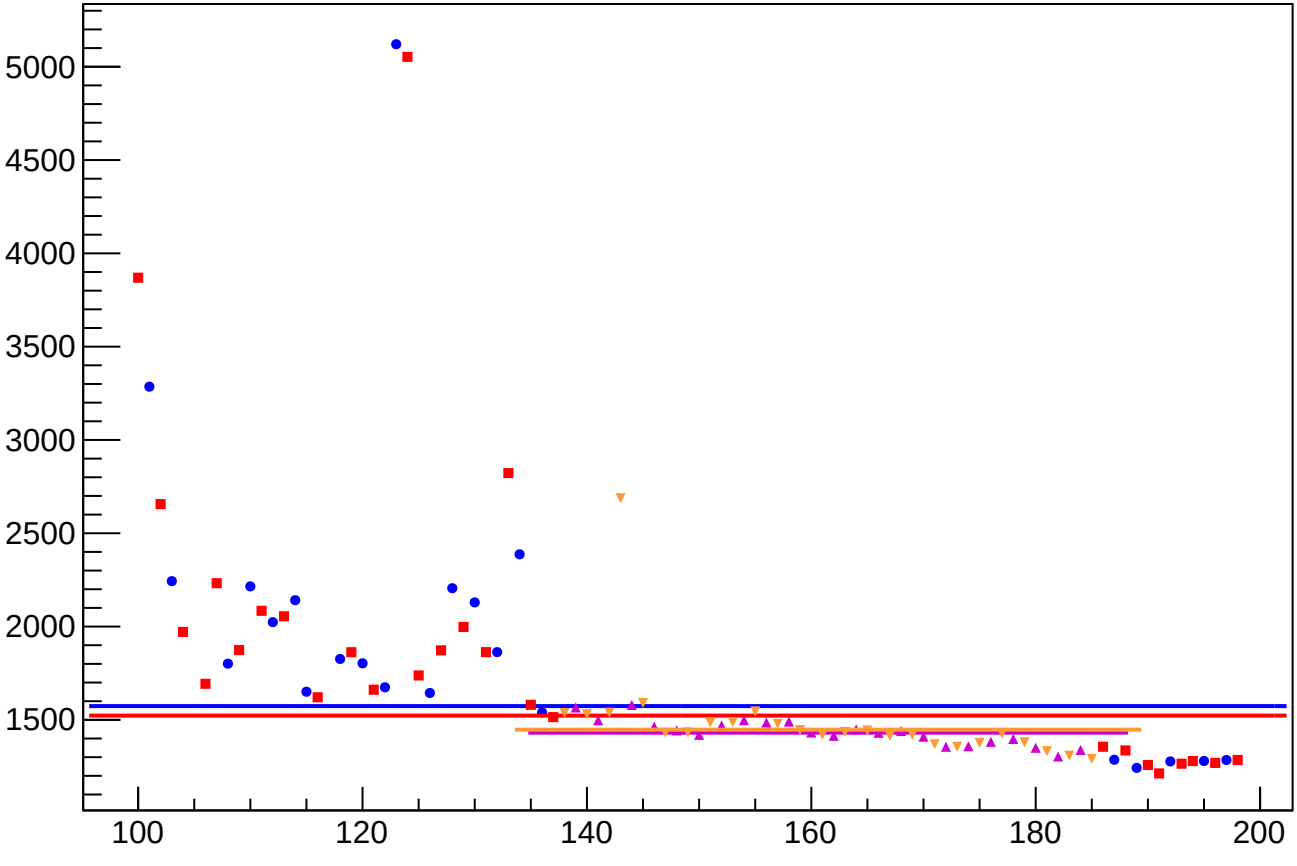
Right: -456.475+/-343.397 χ^2/NDF: 44.6/48

In: -121.371+/-287.220 χ^2/NDF:43.5/44

Out: -861.040+/-272.149 χ^2/NDF:48.7/51

All: -511.120+/-197.552 χ^2/NDF: 95.7/96

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1573.752+/-0.370 χ^2/NDF: 1165973.4/21

Left Out: 1447.554+/-0.240 χ^2/NDF:419254.7/24

Right Out: 1522.874+/-0.322 χ^2/NDF: 1333062.7/26

Left In: 1431.456+/-0.243 χ^2/NDF:75130.4/22

Left: 1439.603+/-0.171 χ^2/NDF: 496606.4/47

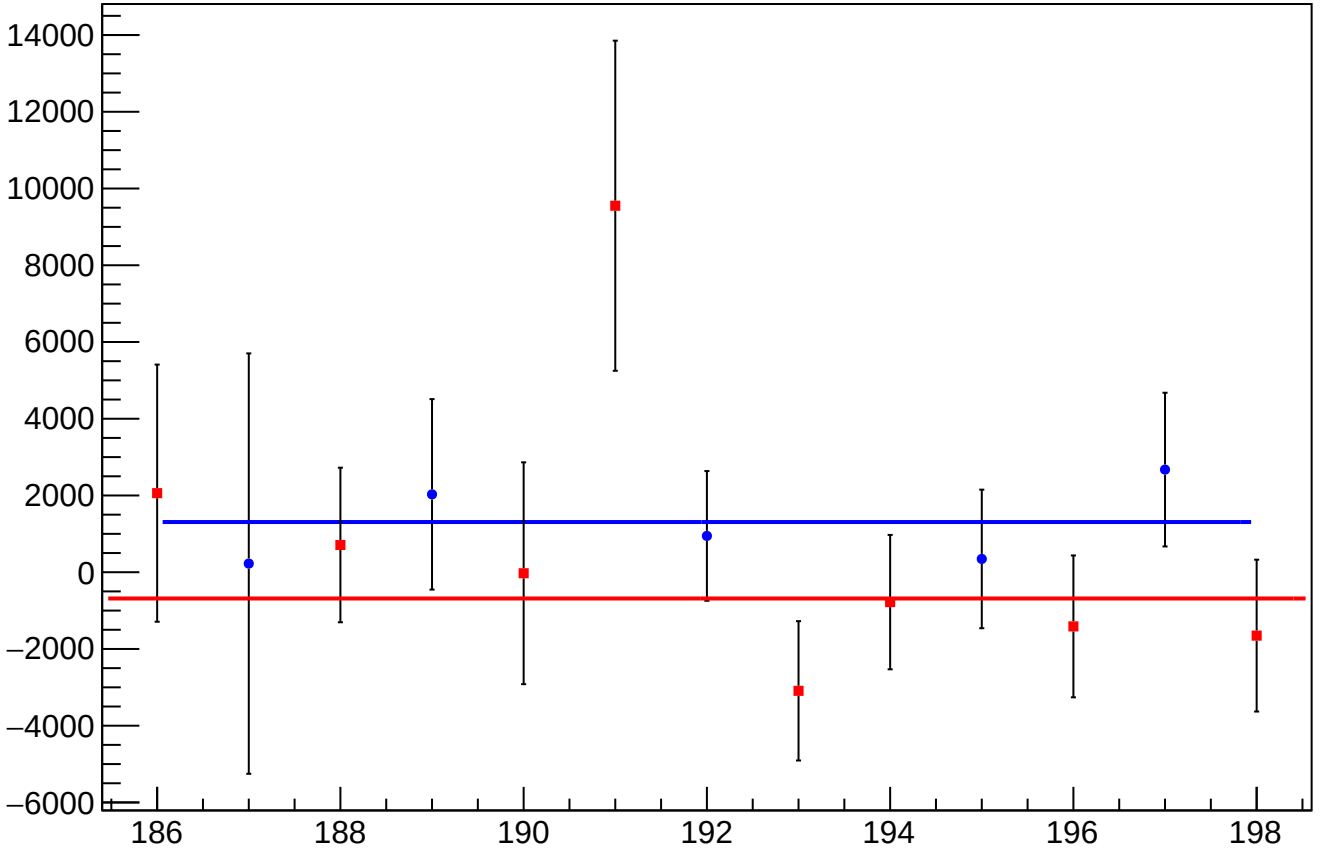
Right: 1544.801+/-0.243 χ^2/NDF: 2509802.8/48

In: 1474.359+/-0.203 χ^2/NDF:1344485.9/44

Out: 1474.474+/-0.192 χ^2/NDF:1787499.8/51

All: 1474.419+/-0.140 χ^2/NDF: 3131985.9/96

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 1307.982+/-952.831 χ^2/NDF: 0.9/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -684.911+/-770.048 χ^2/NDF: 9.0/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

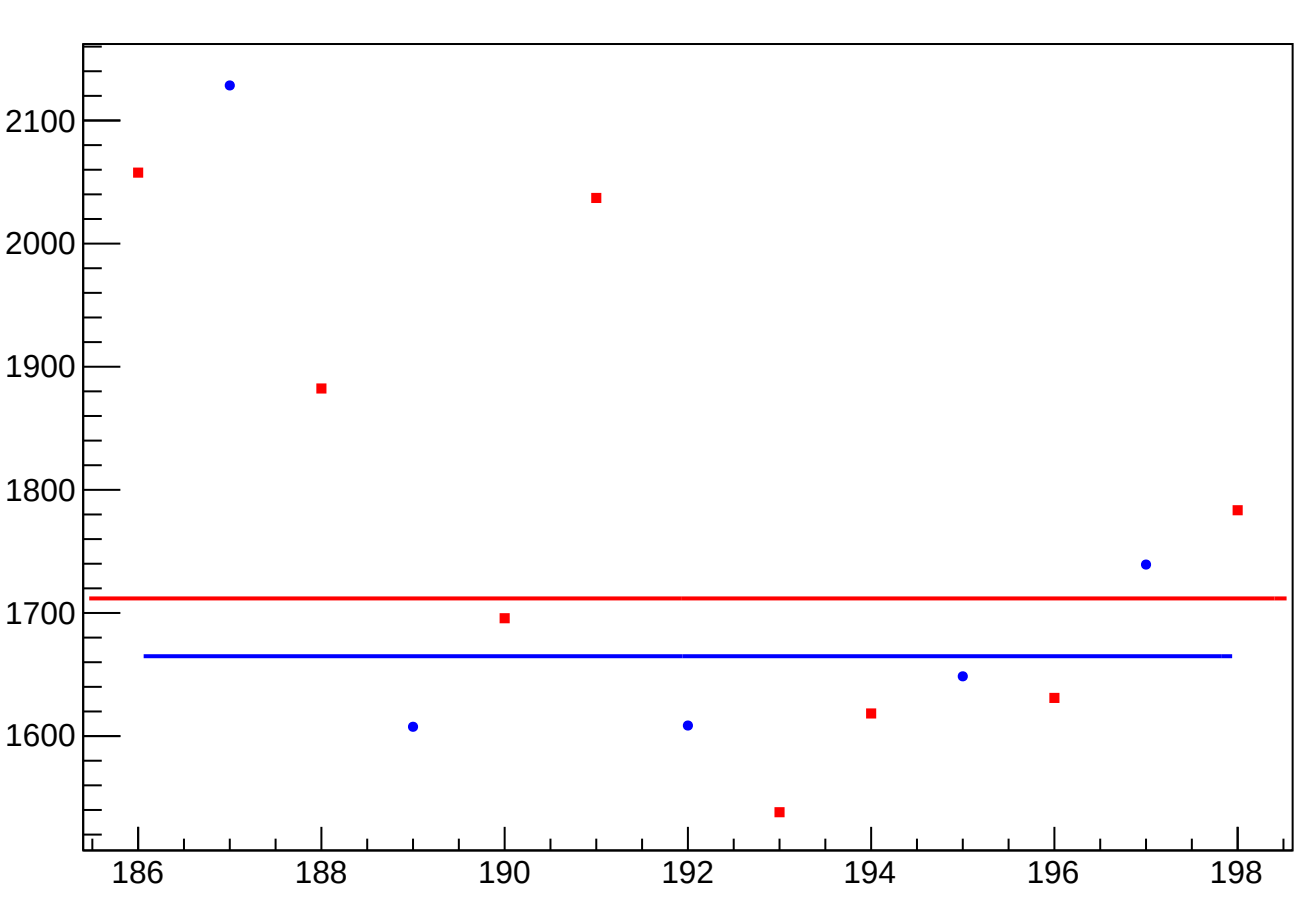
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 102.460+/-598.913 χ^2/NDF: 12.6/12

In: 1307.982+/-952.831 χ^2/NDF:0.9/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 102.460+/-598.913 χ^2/NDF: 12.6/12



Right In: 1664.877+/-0.674 χ^2/NDF: 20533.1/4

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 1711.811+/-0.545 χ^2/NDF: 77551.8/7

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

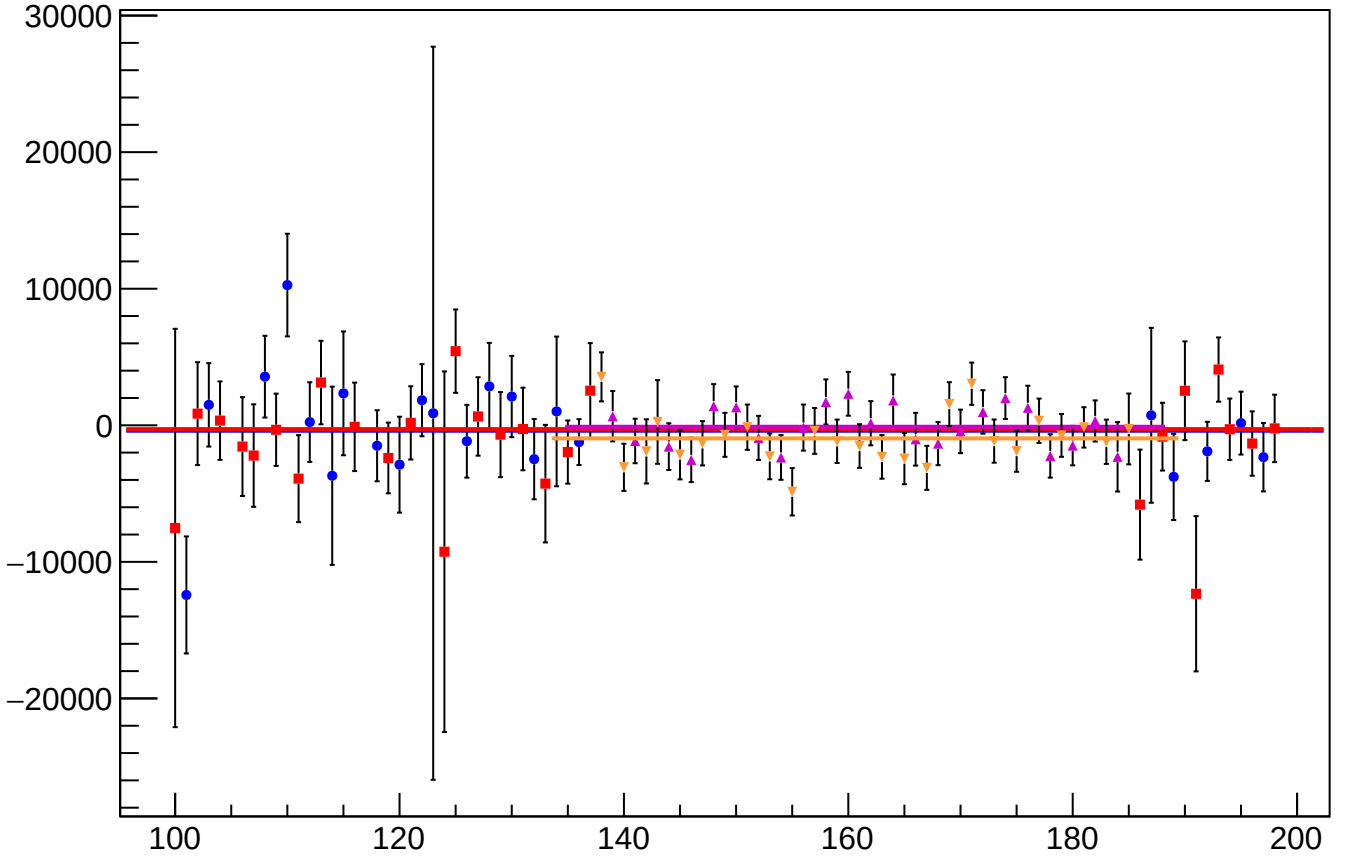
Right: 1693.268+/-0.423 χ^2/NDF: 101020.3/12

In: 1664.877+/-0.674 χ^2/NDF:20533.1/4

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 1693.268+/-0.423 χ^2/NDF: 101020.3/12

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -396.451+/-638.852 χ^2/NDF: 25.1/21

Left Out: -958.410+/-339.496 χ^2/NDF:28.5/24

Right Out: -279.642+/-587.156 χ^2/NDF: 20.8/26

Left In: -107.512+/-343.663 χ^2/NDF:19.5/22

Left: -538.150+/-241.520 χ^2/NDF: 51.1/47

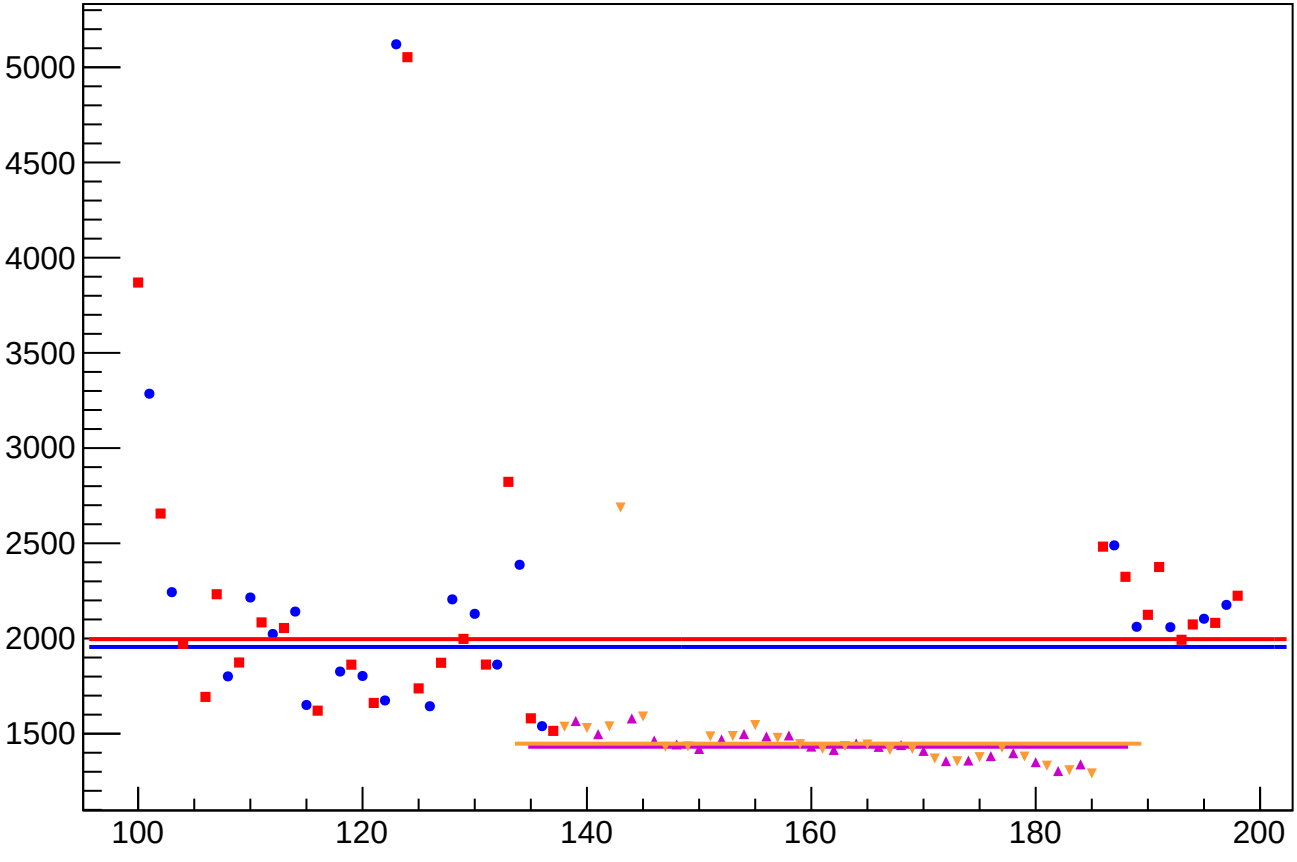
Right: -333.130+/-432.304 χ^2/NDF: 45.9/48

In: -172.359+/-302.651 χ^2/NDF:44.7/44

Out: -788.341+/-293.904 χ^2/NDF:50.3/51

All: -489.381+/-210.846 χ^2/NDF: 97.2/96

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1955.522+/-0.452 χ^2/NDF: 524450.4/21

Left Out: 1447.554+/-0.240 χ^2/NDF:419254.7/24

Right Out: 1996.663+/-0.415 χ^2/NDF: 589566.8/26

Left In: 1431.456+/-0.243 χ^2/NDF:75130.4/22

Left: 1439.603+/-0.171 χ^2/NDF: 496606.4/47

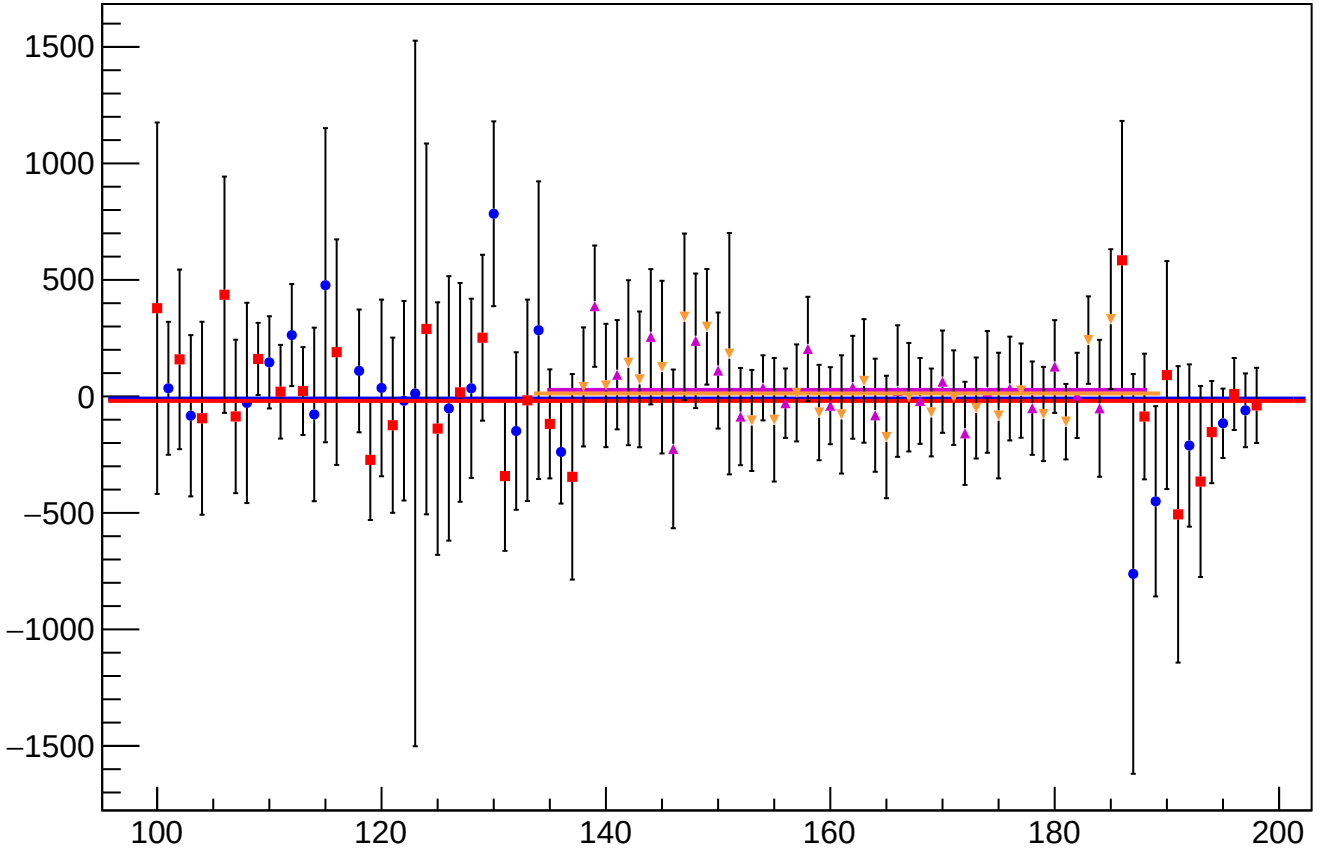
Right: 1977.825+/-0.306 χ^2/NDF: 1118513.6/48

In: 1549.074+/-0.214 χ^2/NDF:1643400.3/44

Out: 1585.138+/-0.208 χ^2/NDF:2319772.1/51

All: 1567.635+/-0.149 χ^2/NDF: 3977788.6/96

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -9.404+/-62.329 χ^2/NDF: 11.4/21

Left Out: 12.618+/-47.486 χ^2/NDF:7.7/24

Right Out: -19.183+/-54.711 χ^2/NDF: 9.4/26

Left In: 27.921+/-44.523 χ^2/NDF:6.5/22

Left: 20.762+/-32.480 χ^2/NDF: 14.3/47

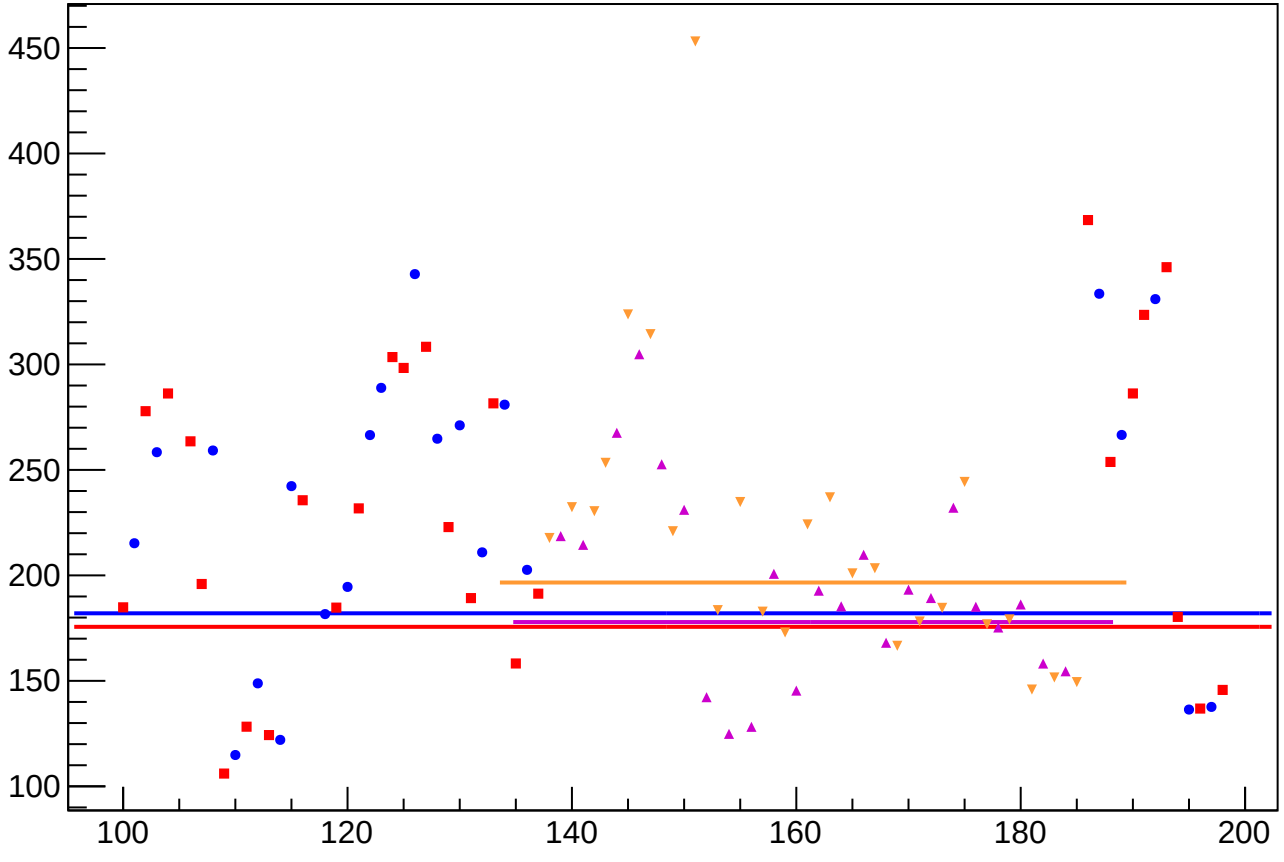
Right: -14.928+/-41.117 χ^2/NDF: 20.8/48

In: 15.310+/-36.229 χ^2/NDF:18.1/44

Out: -1.045+/-35.862 χ^2/NDF:17.2/51

All: 7.049+/-25.487 χ^2/NDF: 35.5/96

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.025+/-0.044 χ^2/NDF: 1915716.4/21

Left Out: 196.620+/-0.034 χ^2/NDF:1793507.9/24

Right Out: 175.611+/-0.039 χ^2/NDF: 2704911.1/26

Left In: 177.878+/-0.031 χ^2/NDF:1644086.7/22

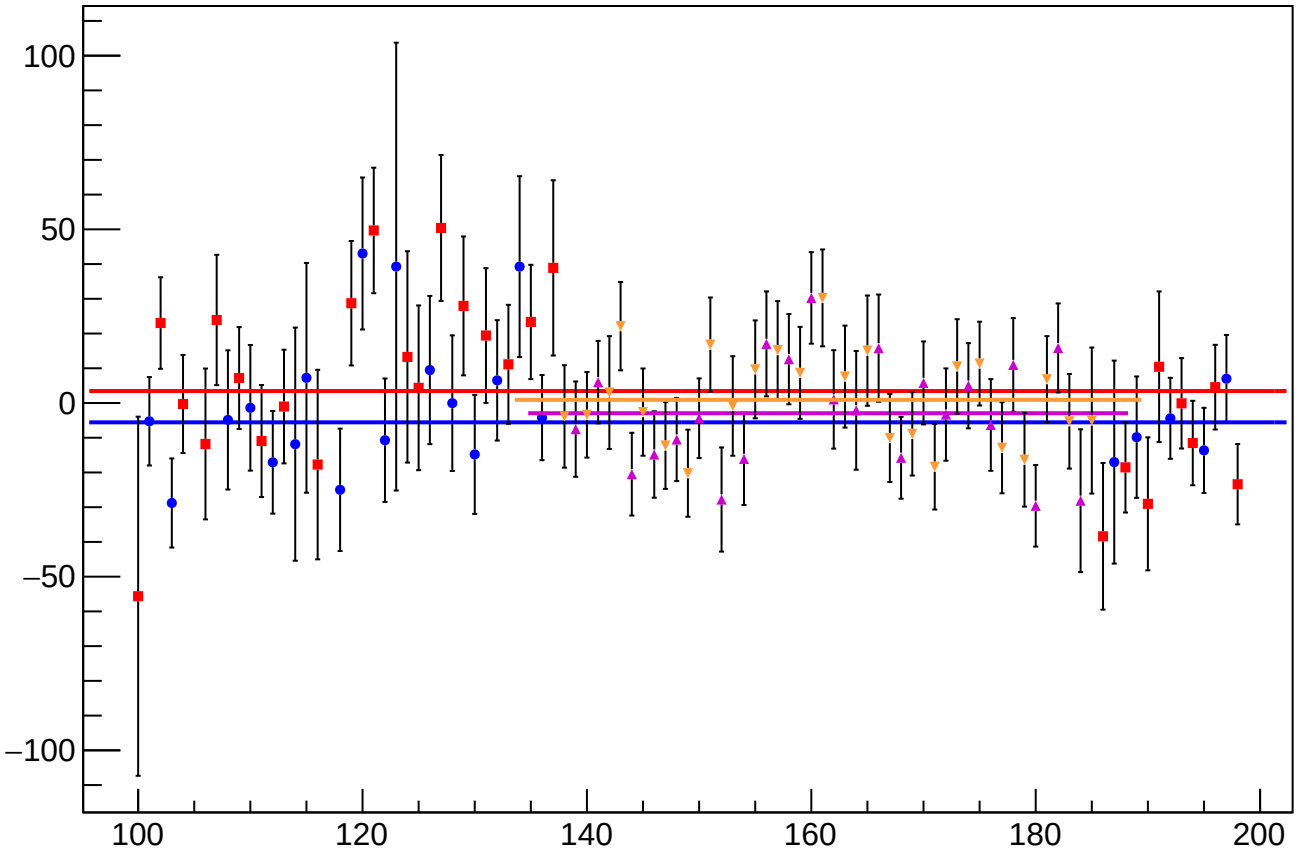
Left: 186.646+/-0.023 χ^2/NDF: 3603390.3/47

Right: 178.402+/-0.029 χ^2/NDF: 4632588.4/48

In: 179.279+/-0.026 χ^2/NDF:3565665.3/44

Out: 187.593+/-0.025 χ^2/NDF:4666614.2/51

All: 183.478+/-0.018 χ^2/NDF: 8285482.6/96



Right In: -5.566+/-3.596 χ^2/NDF: 16.8/21

Left Out: 0.920+/-2.696 χ^2/NDF:24.0/24

Right Out: 3.445+/-3.249 χ^2/NDF: 43.0/26

Left In: -2.941+/-2.745 χ^2/NDF:31.0/22

Left: -0.976+/-1.923 χ^2/NDF: 56.0/47

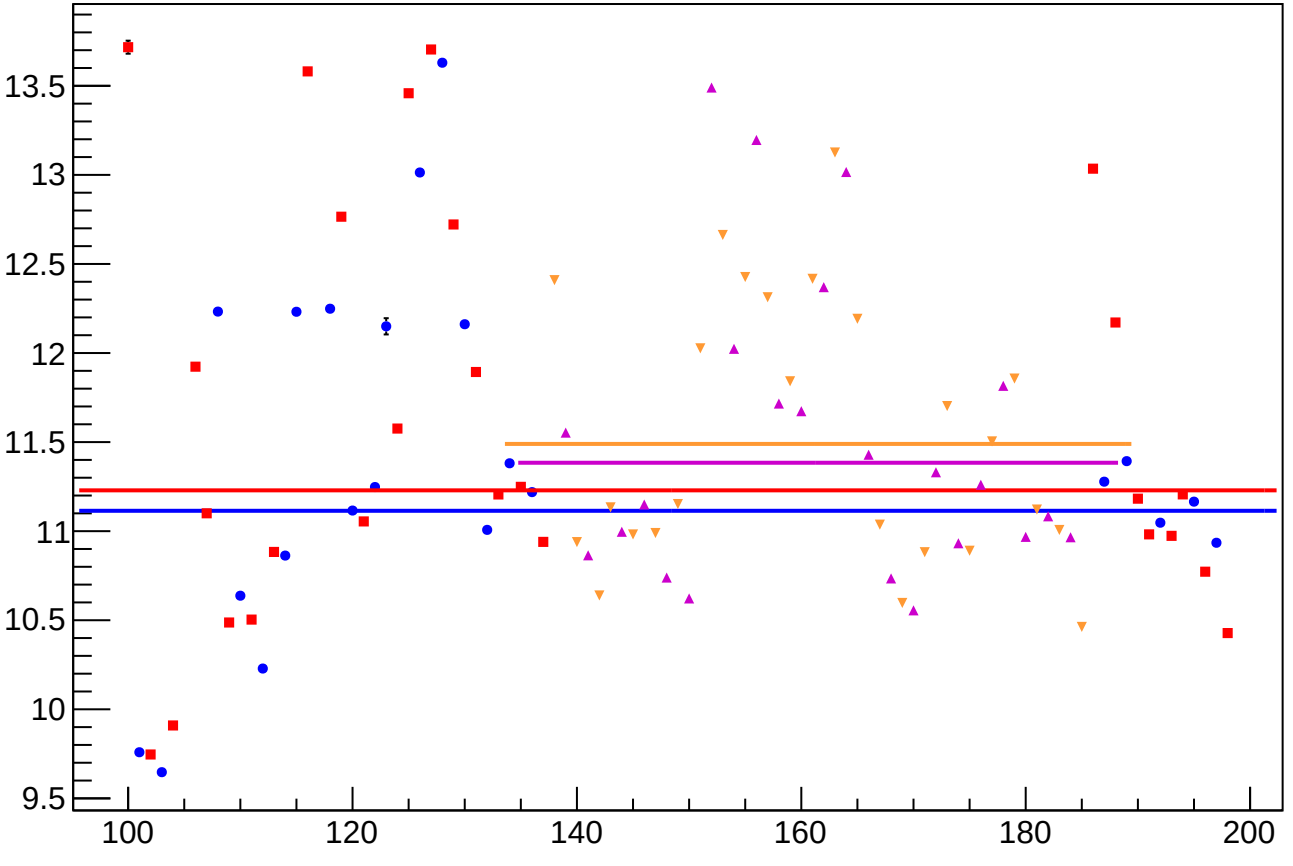
Right: -0.605+/-2.411 χ^2/NDF: 63.3/48

In: -3.908+/-2.182 χ^2/NDF:48.2/44

Out: 1.950+/-2.075 χ^2/NDF:67.4/51

All: -0.832+/-1.504 χ^2/NDF: 119.4/96

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.114+/-0.003 χ^2/NDF: 133030.2/21

Left Out: 11.490+/-0.002 χ^2/NDF:132399.1/24

Right Out: 11.229+/-0.002 χ^2/NDF: 187410.3/26

Left In: 11.384+/-0.002 χ^2/NDF:149799.6/22

Left: 11.438+/-0.001 χ^2/NDF: 283707.5/47

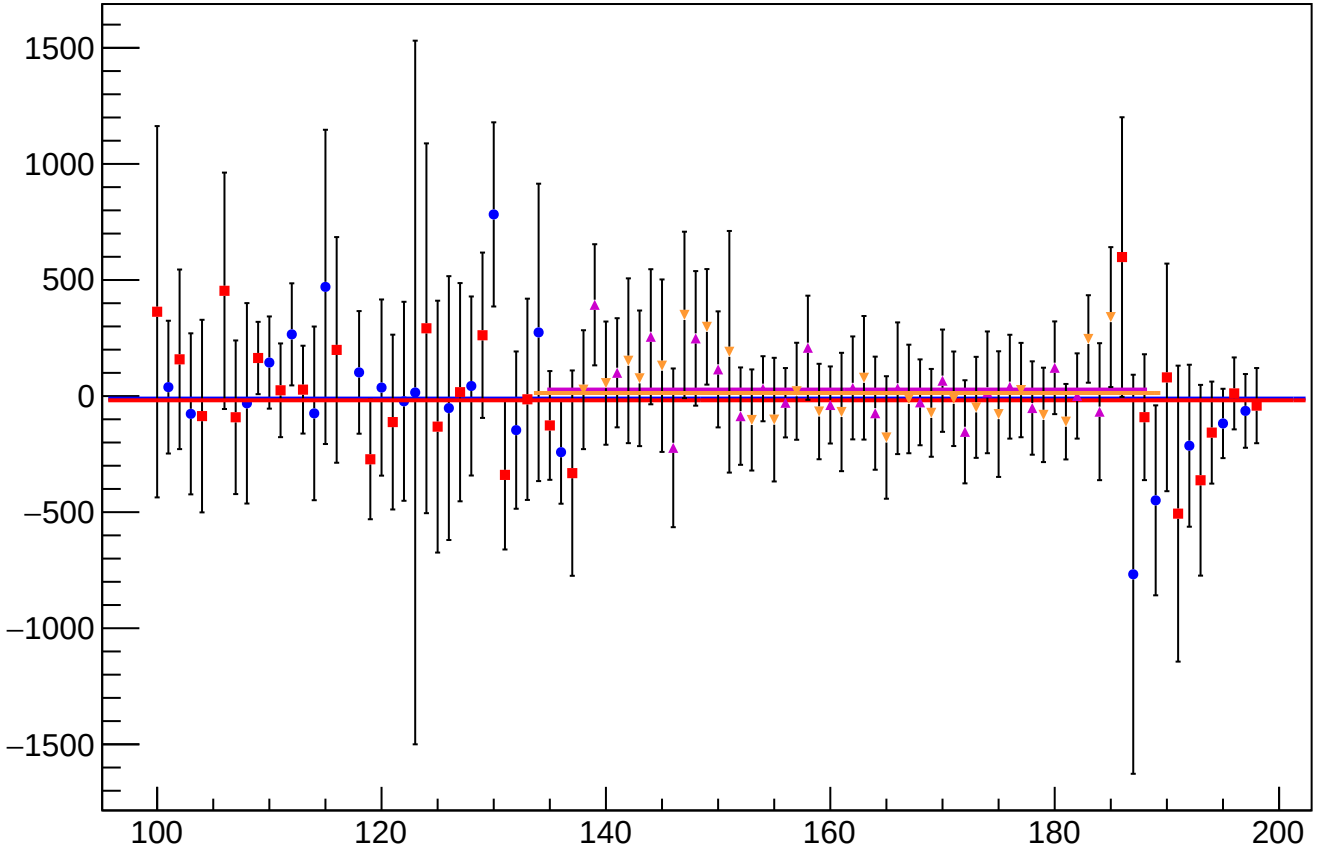
Right: 11.178+/-0.002 χ^2/NDF: 321561.8/48

In: 11.285+/-0.002 χ^2/NDF:289938.9/44

Out: 11.383+/-0.001 χ^2/NDF:327429.7/51

All: 11.337+/-0.001 χ^2/NDF: 619518.2/96

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -10.803+/-62.486 χ^2/NDF: 11.3/21

Left Out: 13.323+/-47.662 χ^2/NDF:7.9/24

Right Out: -18.163+/-54.866 χ^2/NDF: 9.5/26

Left In: 28.050+/-44.681 χ^2/NDF:6.6/22

Left: 21.161+/-32.597 χ^2/NDF: 14.6/47

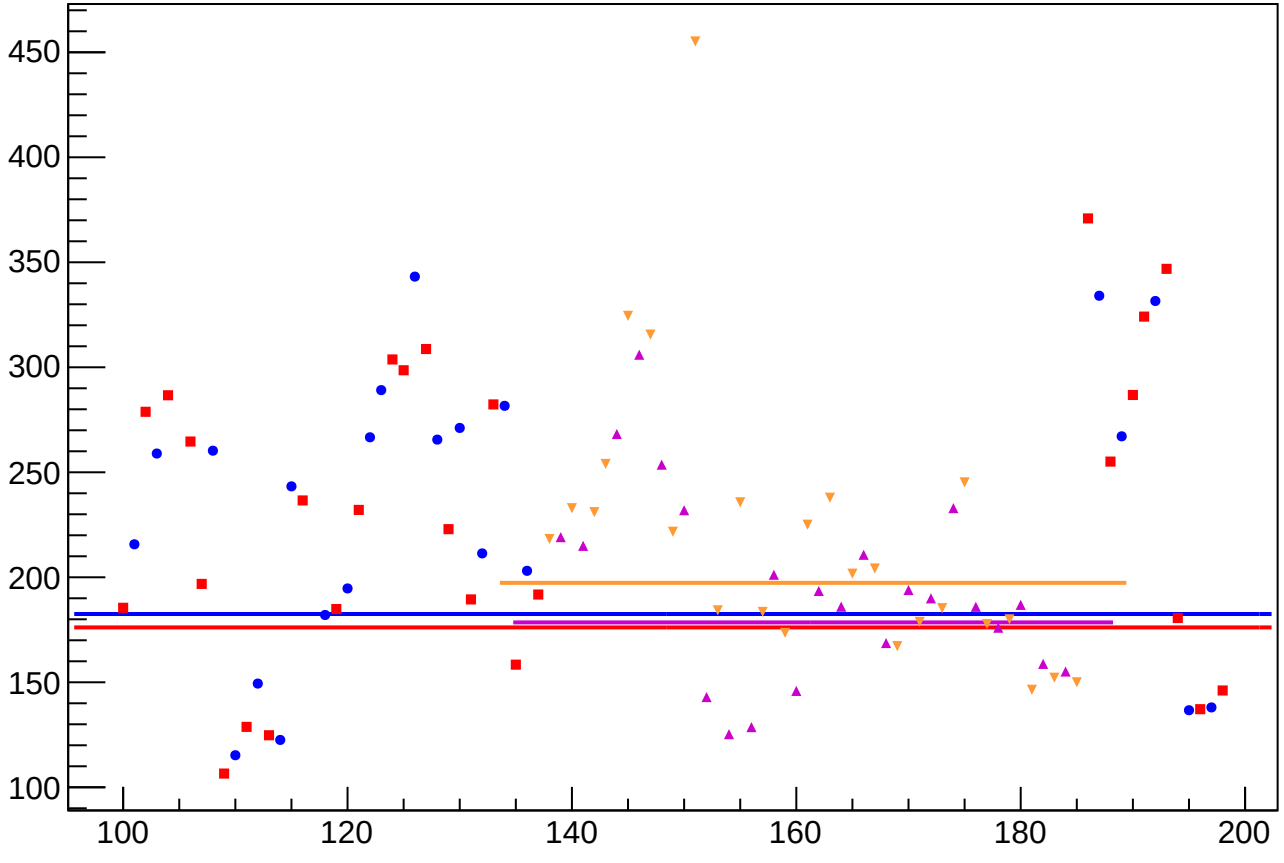
Right: -14.959+/-41.228 χ^2/NDF: 20.9/48

In: 14.905+/-36.345 χ^2/NDF:18.2/44

Out: -0.219+/-35.981 χ^2/NDF:17.6/51

All: 7.267+/-25.570 χ^2/NDF: 35.9/96

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.512+/-0.044 χ^2/NDF: 1910503.3/21

Left Out: 197.355+/-0.034 χ^2/NDF:1790824.5/24

Right Out: 176.129+/-0.039 χ^2/NDF: 2700368.3/26

Left In: 178.512+/-0.032 χ^2/NDF:1642304.1/22

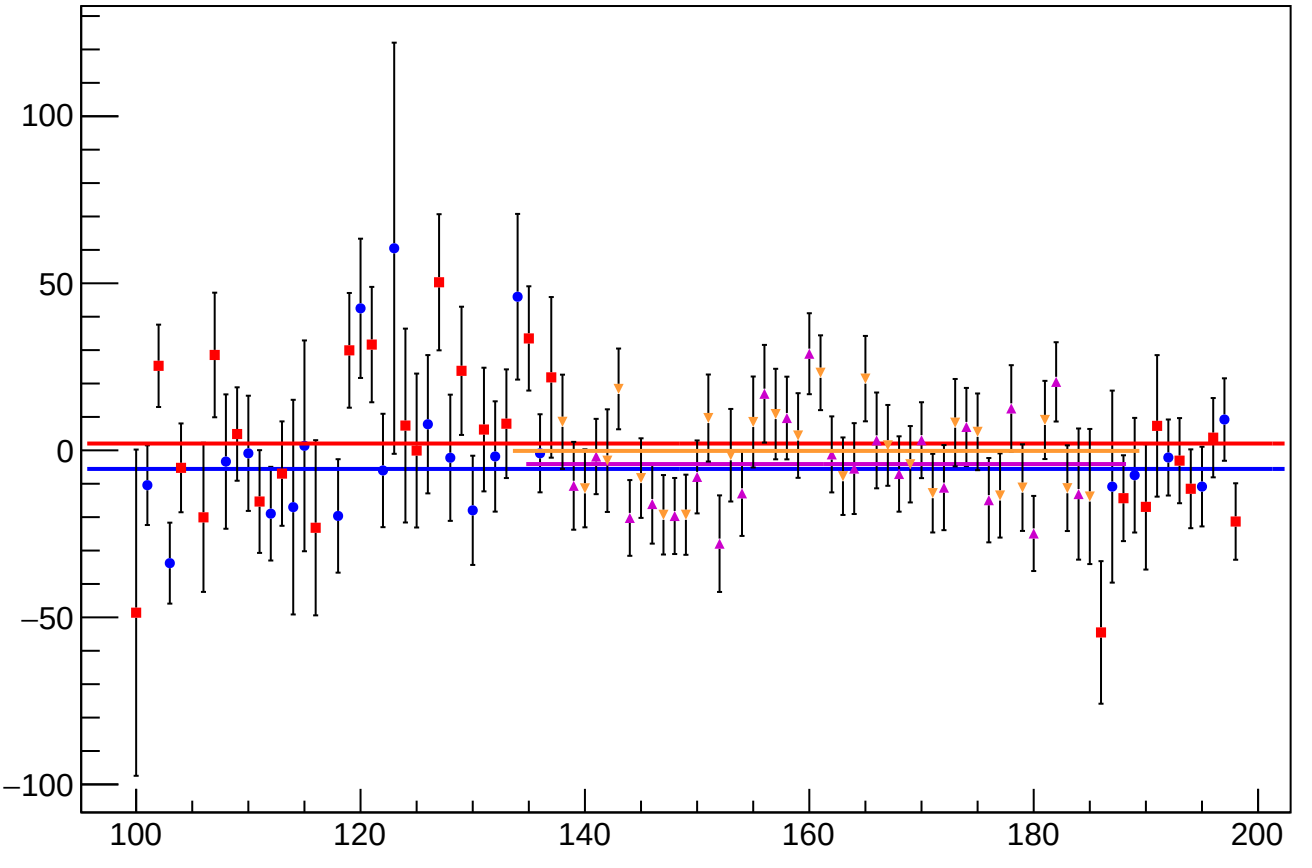
Left: 187.326+/-0.023 χ^2/NDF: 3599509.2/47

Right: 178.908+/-0.029 χ^2/NDF: 4622655.1/48

In: 179.865+/-0.026 χ^2/NDF:3558230.4/44

Out: 188.226+/-0.025 χ^2/NDF:4661789.3/51

All: 184.088+/-0.018 χ^2/NDF: 8273471.1/96



Right In: -5.567+/-3.457 χ^2/NDF: 21.2/21

Left Out: -0.170+/-2.520 χ^2/NDF:24.4/24

Right Out: 2.036+/-3.142 χ^2/NDF: 43.3/26

Left In: -4.107+/-2.577 χ^2/NDF:31.5/22

Left: -2.095+/-1.802 χ^2/NDF: 57.1/47

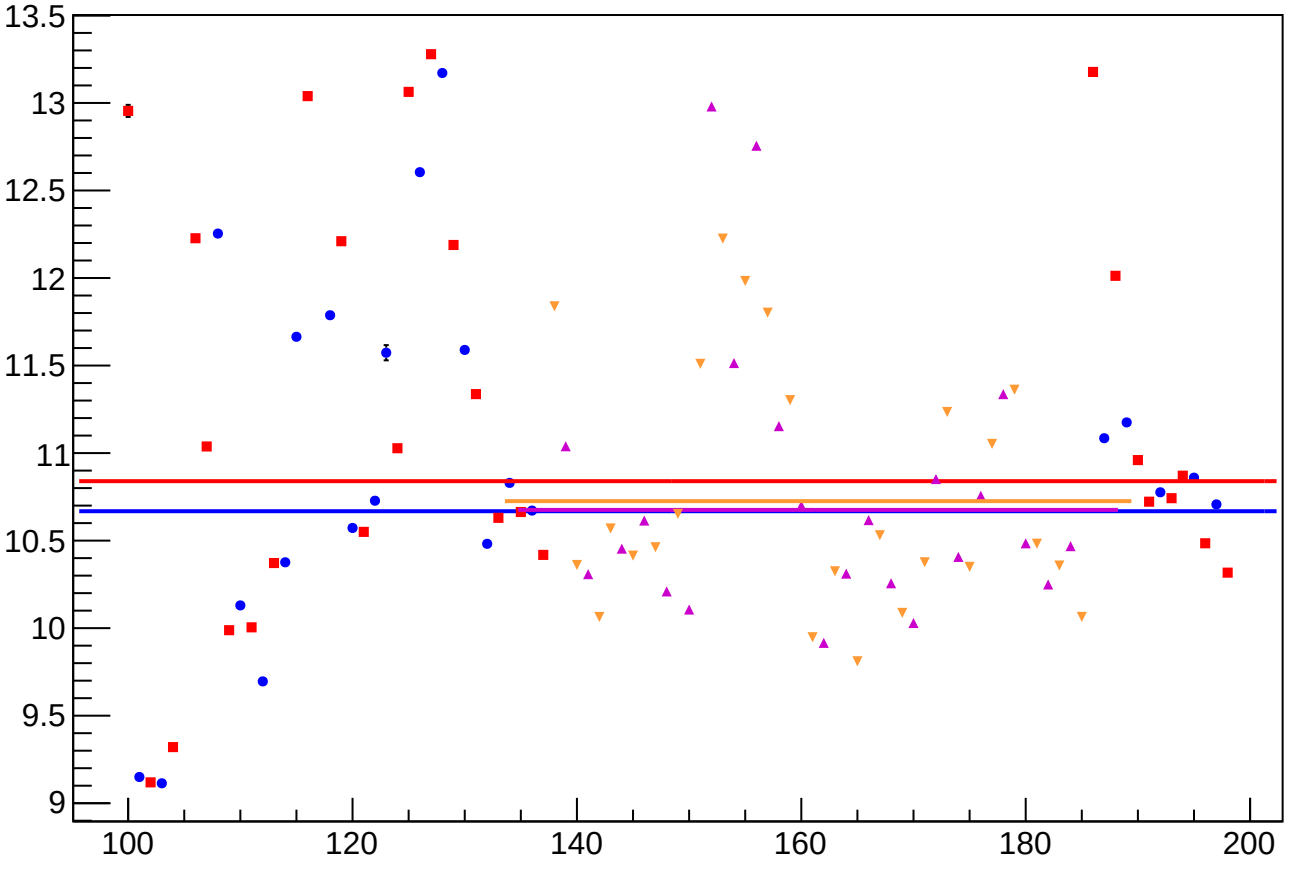
Right: -1.403+/-2.325 χ^2/NDF: 67.2/48

In: -4.629+/-2.066 χ^2/NDF:52.9/44

Out: 0.694+/-1.966 χ^2/NDF:68.0/51

All: -1.835+/-1.424 χ^2/NDF: 124.4/96

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.668+/-0.002 χ^2/NDF: 162865.8/21

Left Out: 10.725+/-0.002 χ^2/NDF:132170.8/24

Right Out: 10.840+/-0.002 χ^2/NDF: 226066.7/26

Left In: 10.675+/-0.002 χ^2/NDF:145938.2/22

Left: 10.701+/-0.001 χ^2/NDF: 278494.3/47

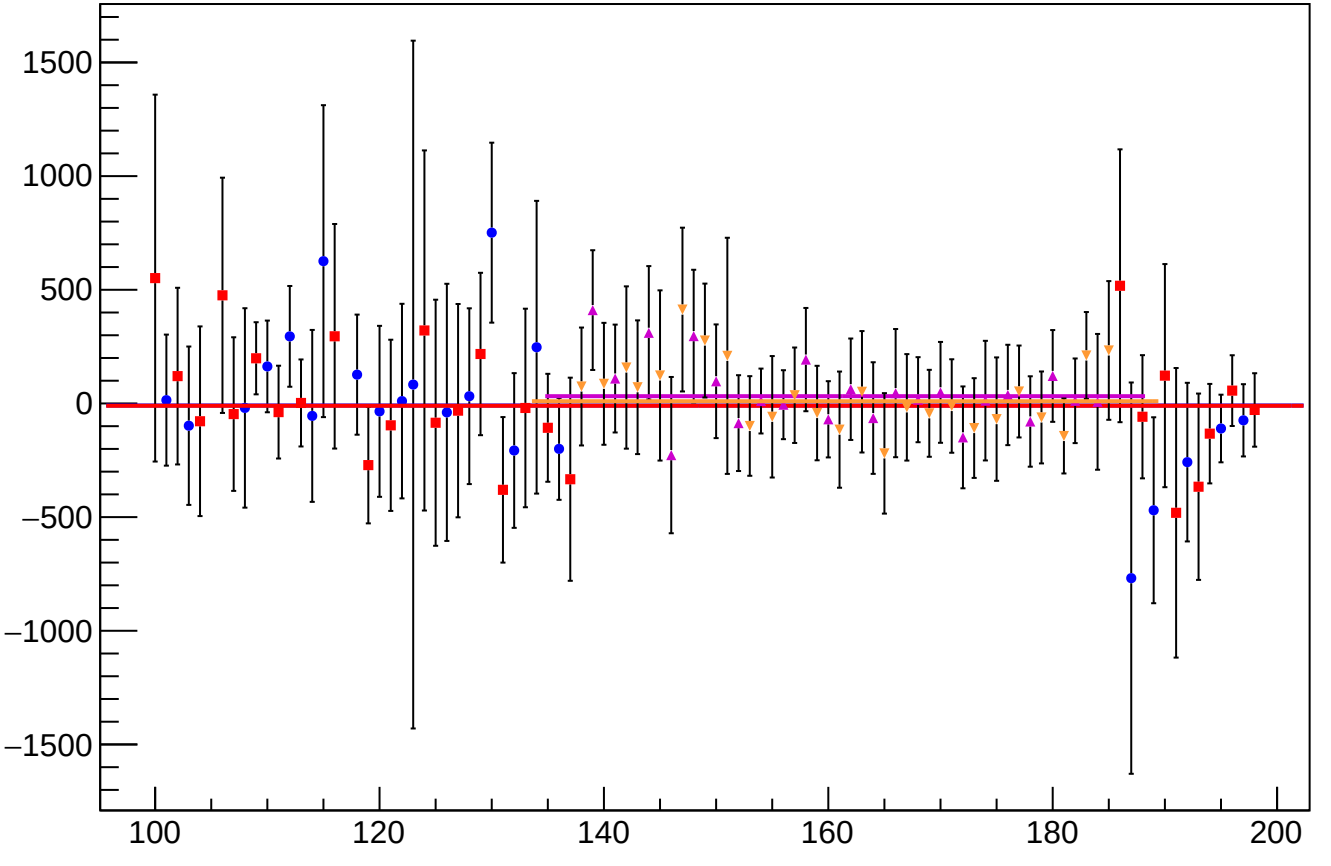
Right: 10.762+/-0.002 χ^2/NDF: 391634.4/48

In: 10.673+/-0.001 χ^2/NDF:308810.1/44

Out: 10.770+/-0.001 χ^2/NDF:359843.9/51

All: 10.724+/-0.001 χ^2/NDF: 670987.2/96

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -8.968+/-62.702 χ^2/NDF: 11.9/21

Left Out: 9.801+/-47.979 χ^2/NDF:7.5/24

Right Out: -10.207+/-55.179 χ^2/NDF: 10.1/26

Left In: 31.989+/-45.038 χ^2/NDF:7.2/22

Left: 21.596+/-32.837 χ^2/NDF: 14.8/47

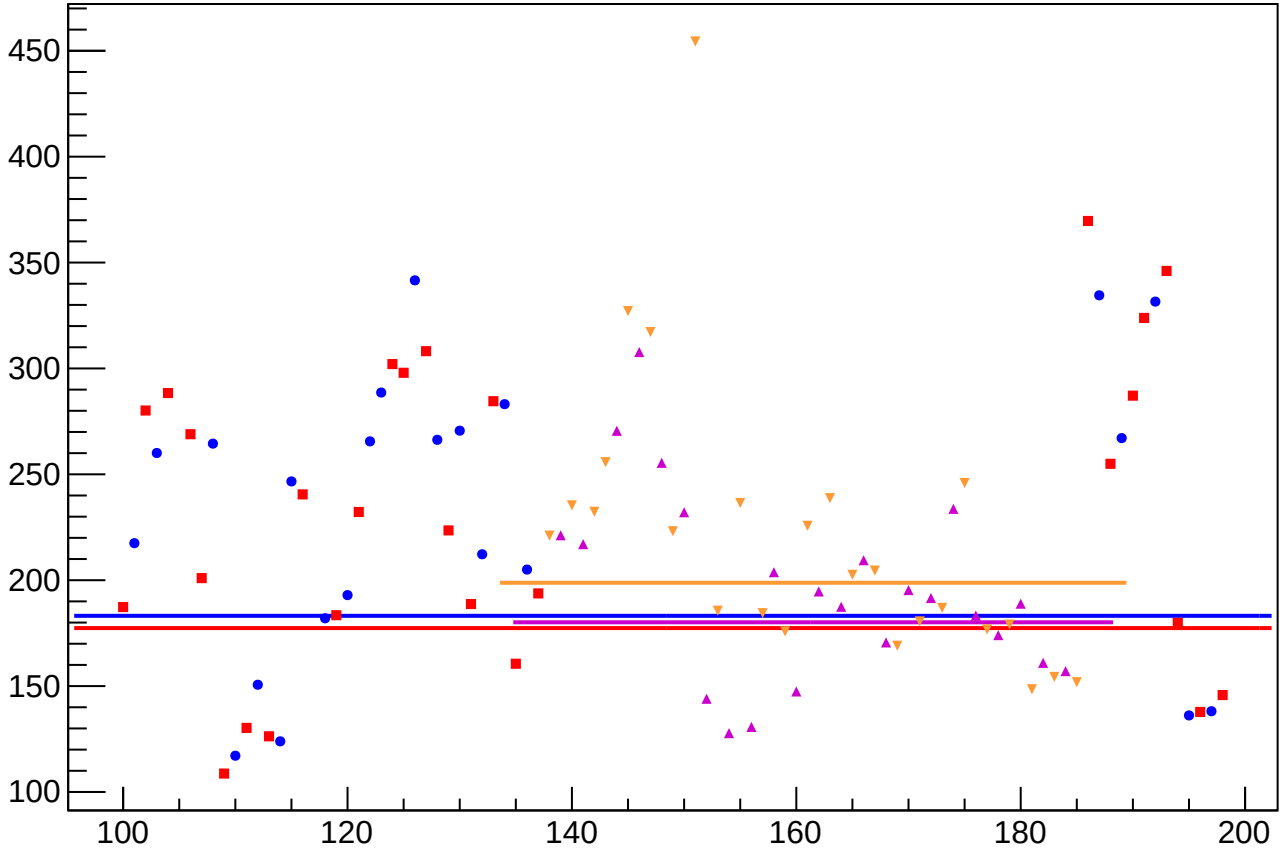
Right: -9.666+/-41.423 χ^2/NDF: 22.0/48

In: 18.049+/-36.580 χ^2/NDF:19.4/44

Out: 1.187+/-36.206 χ^2/NDF:17.7/51

All: 9.532+/-25.733 χ^2/NDF: 37.2/96

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.187+/-0.044 χ^2/NDF: 1901059.5/21

Left Out: 198.800+/-0.034 χ^2/NDF:1763119.1/24

Right Out: 177.392+/-0.039 χ^2/NDF: 2647832.4/26

Left In: 180.123+/-0.032 χ^2/NDF:1593842.6/22

Left: 188.872+/-0.023 χ^2/NDF: 3518071.9/47

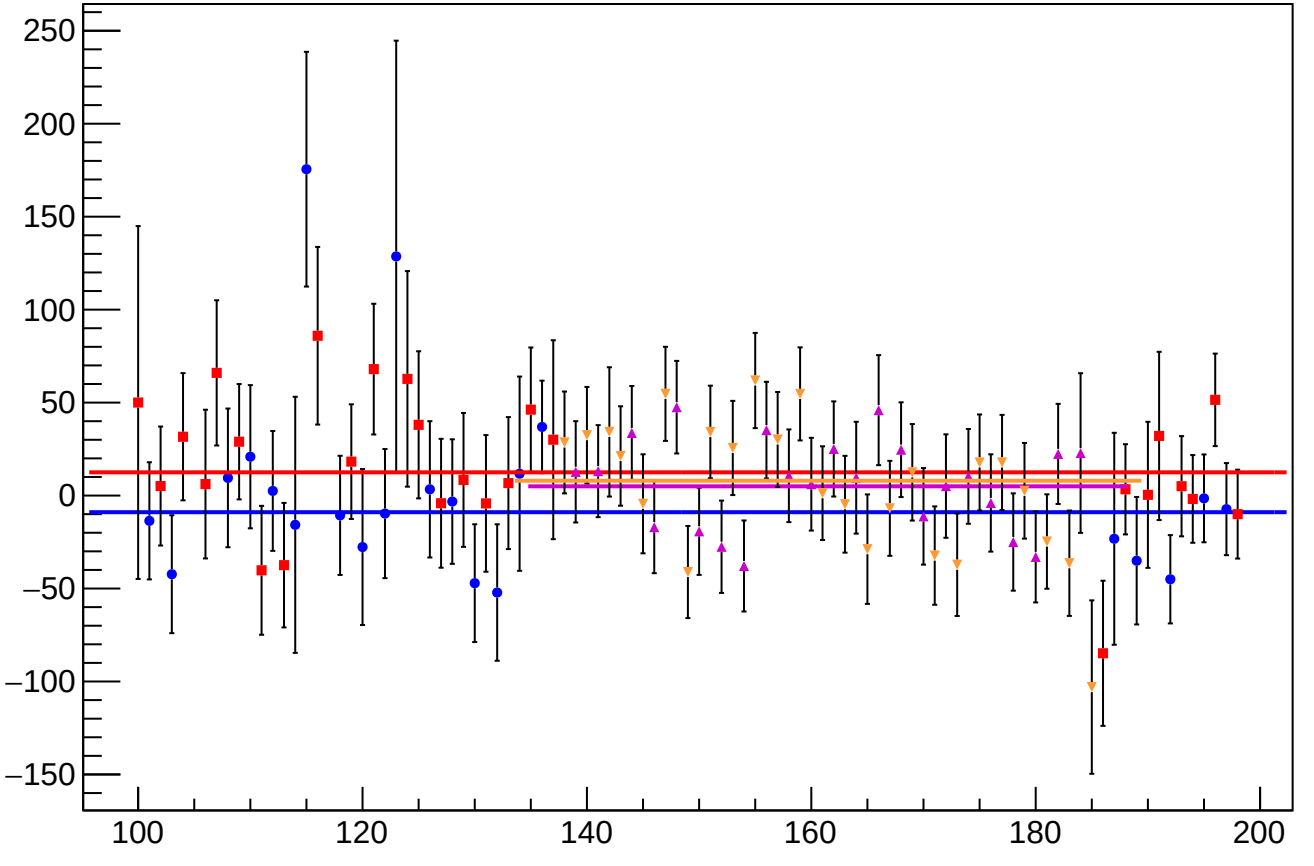
Right: 179.921+/-0.029 χ^2/NDF: 4558517.8/48

In: 181.166+/-0.026 χ^2/NDF:3498051.9/44

Out: 189.583+/-0.026 χ^2/NDF:4582385.2/51

All: 185.418+/-0.018 χ^2/NDF: 8133932.8/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -8.946+/-7.259 χ^2/NDF: 21.8/21

Left Out: 7.990+/-5.327 χ^2/NDF:37.4/24

Right Out: 12.495+/-6.505 χ^2/NDF: 25.3/26

Left In: 4.973+/-5.444 χ^2/NDF:20.5/22

Left: 6.514+/-3.808 χ^2/NDF: 58.0/47

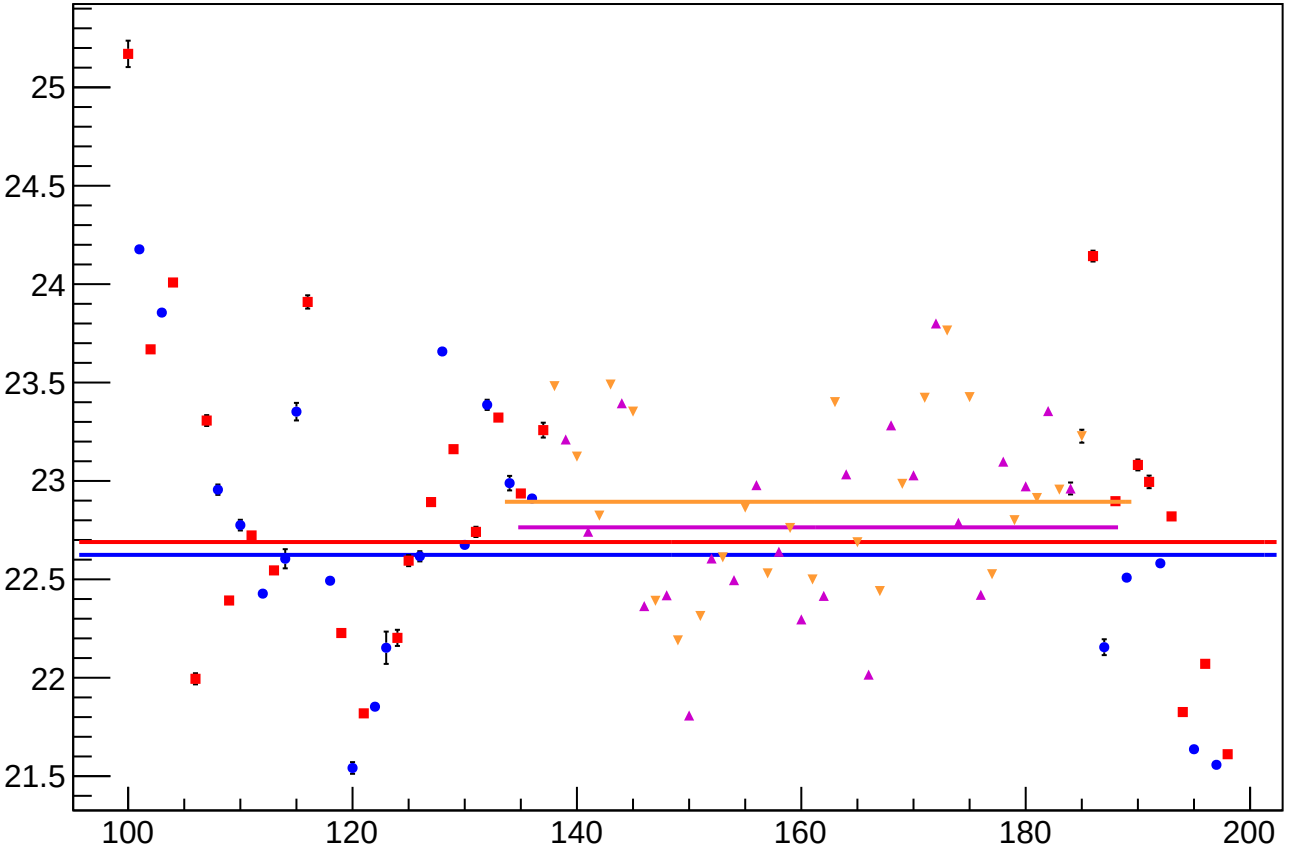
Right: 2.946+/-4.844 χ^2/NDF: 52.0/48

In: -0.038+/-4.356 χ^2/NDF:44.7/44

Out: 9.798+/-4.121 χ^2/NDF:63.1/51

All: 5.152+/-2.994 χ^2/NDF: 110.4/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.624+/-0.005 χ^2/NDF: 21295.7/21

Left Out: 22.894+/-0.004 χ^2/NDF:13070.5/24

Right Out: 22.690+/-0.005 χ^2/NDF: 23299.1/26

Left In: 22.764+/-0.004 χ^2/NDF:14665.7/22

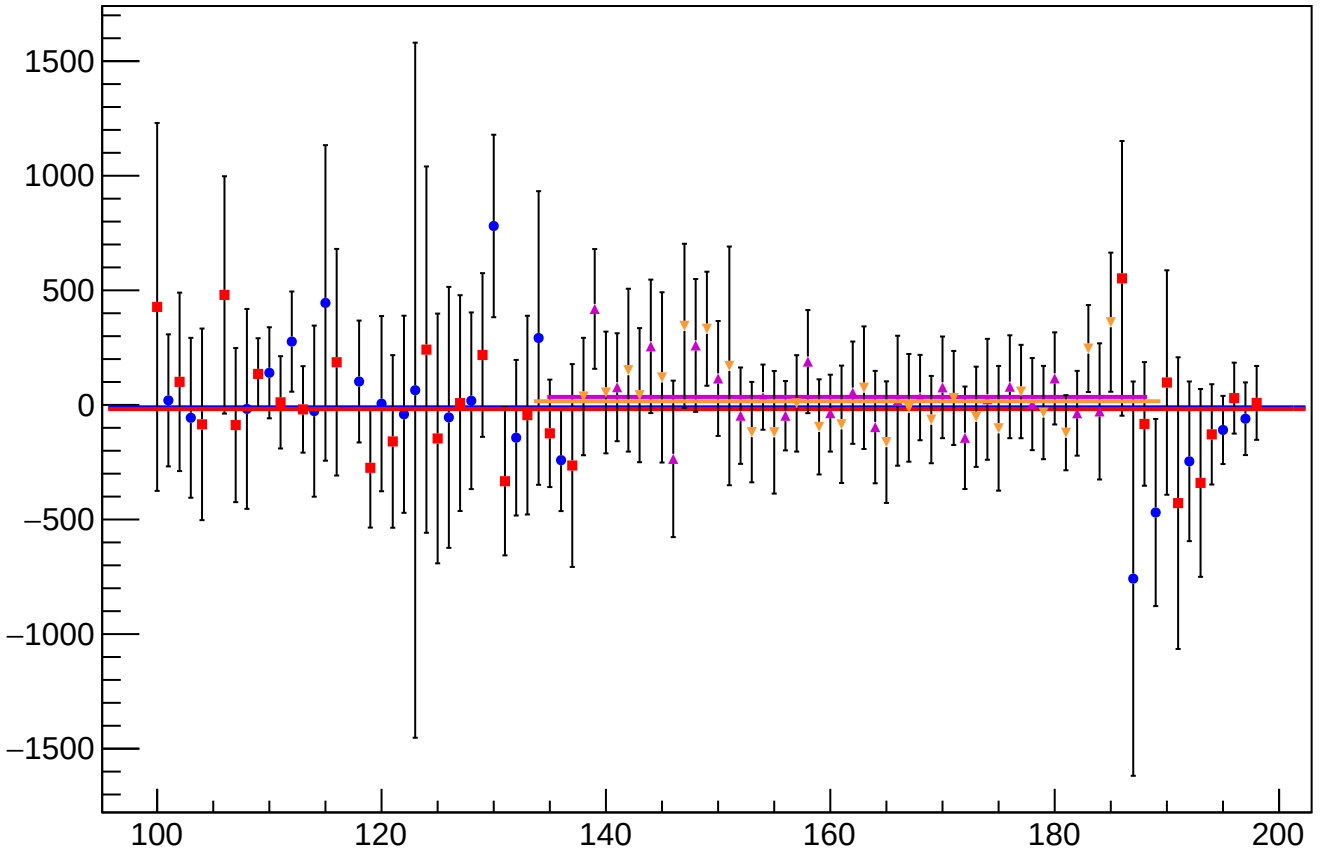
Left: 22.831+/-0.003 χ^2/NDF: 28317.3/47

Right: 22.661+/-0.003 χ^2/NDF: 44684.4/48

In: 22.714+/-0.003 χ^2/NDF:36437.2/44

Out: 22.812+/-0.003 χ^2/NDF:37553.3/51

All: 22.766+/-0.002 χ^2/NDF: 74525.8/96



Right In: -10.458+/-62.506 χ^2/NDF: 11.4/21

Left Out: 15.904+/-47.898 χ^2/NDF:8.4/24

Right Out: -18.095+/-54.881 χ^2/NDF: 8.2/26

Left In: 34.919+/-44.971 χ^2/NDF:6.6/22

Left: 26.010+/-32.785 χ^2/NDF: 15.1/47

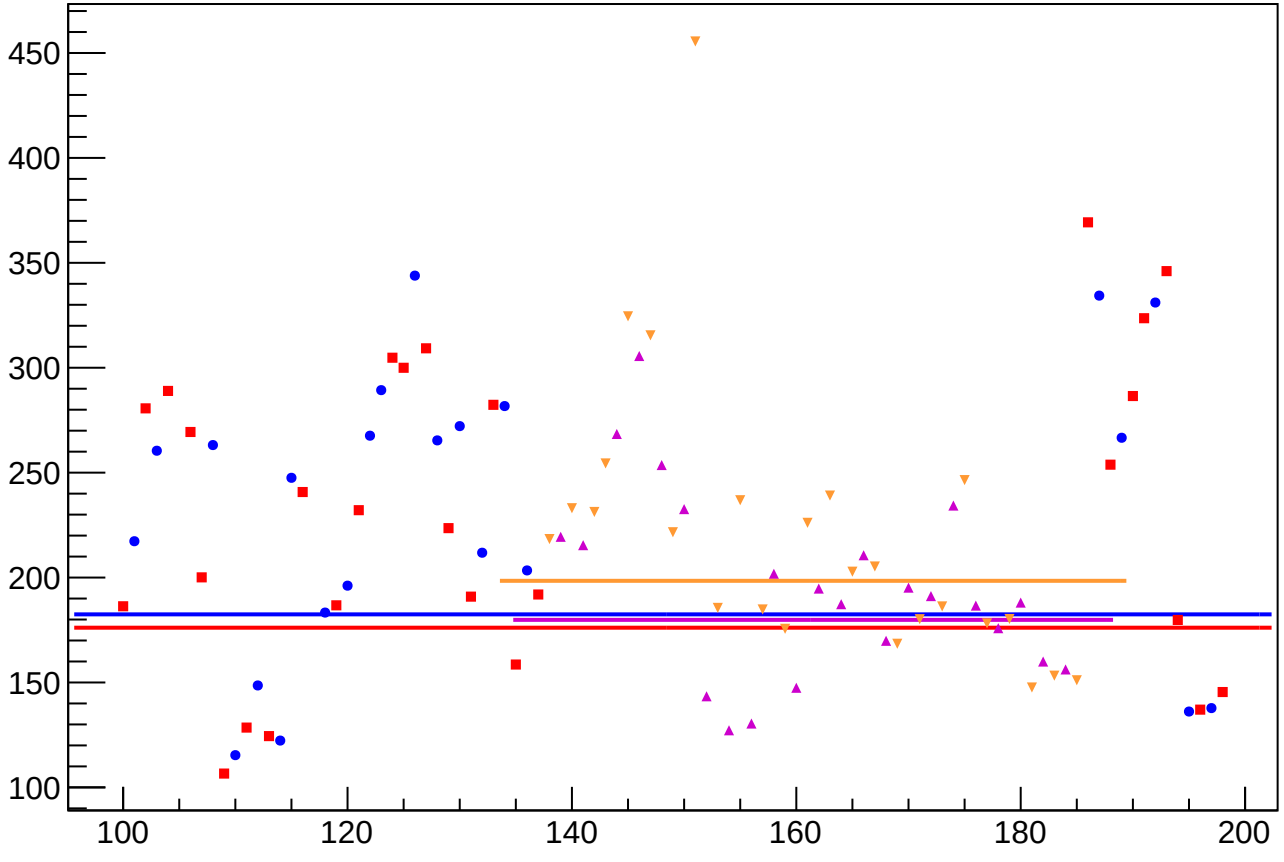
Right: -14.770+/-41.240 χ^2/NDF: 19.5/48

In: 19.442+/-36.505 χ^2/NDF:18.3/44

Out: 1.204+/-36.087 χ^2/NDF:16.8/51

All: 10.218+/-25.664 χ^2/NDF: 35.2/96

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.460+/-0.044 χ^2/NDF: 1934237.0/21

Left Out: 198.450+/-0.034 χ^2/NDF:1761433.9/24

Right Out: 176.106+/-0.039 χ^2/NDF: 2723310.1/26

Left In: 179.839+/-0.032 χ^2/NDF:1588834.3/22

Left: 188.558+/-0.023 χ^2/NDF: 3510745.5/47

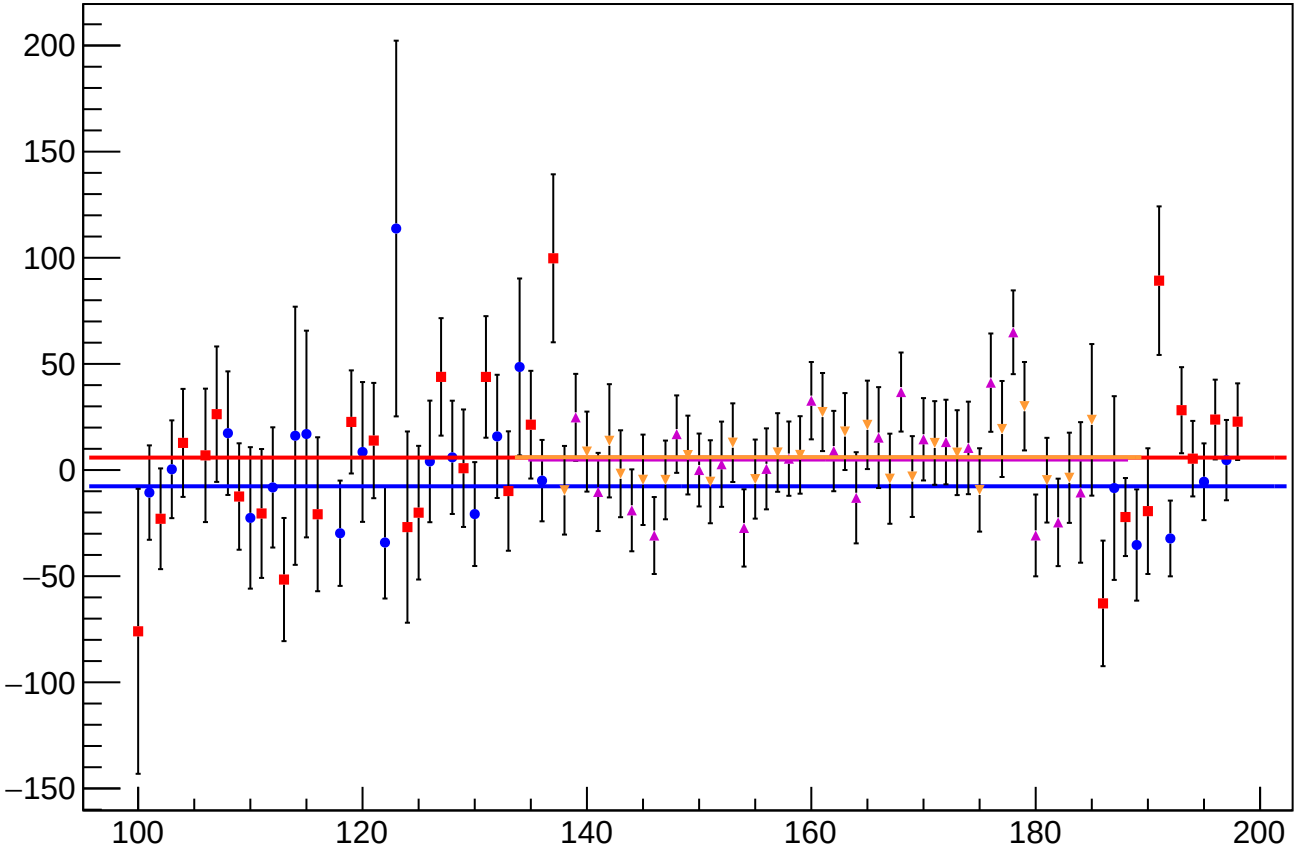
Right: 178.872+/-0.029 χ^2/NDF: 4669217.8/48

In: 180.733+/-0.026 χ^2/NDF:3525388.8/44

Out: 188.789+/-0.026 χ^2/NDF:4672915.3/51

All: 184.807+/-0.018 χ^2/NDF: 8247564.9/96

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -7.655+/-5.608 χ^2/NDF: 12.1/21

Left Out: 6.020+/-4.017 χ^2/NDF:8.1/24

Right Out: 5.868+/-5.028 χ^2/NDF: 38.1/26

Left In: 4.943+/-4.108 χ^2/NDF:34.8/22

Left: 5.494+/-2.872 χ^2/NDF: 43.0/47

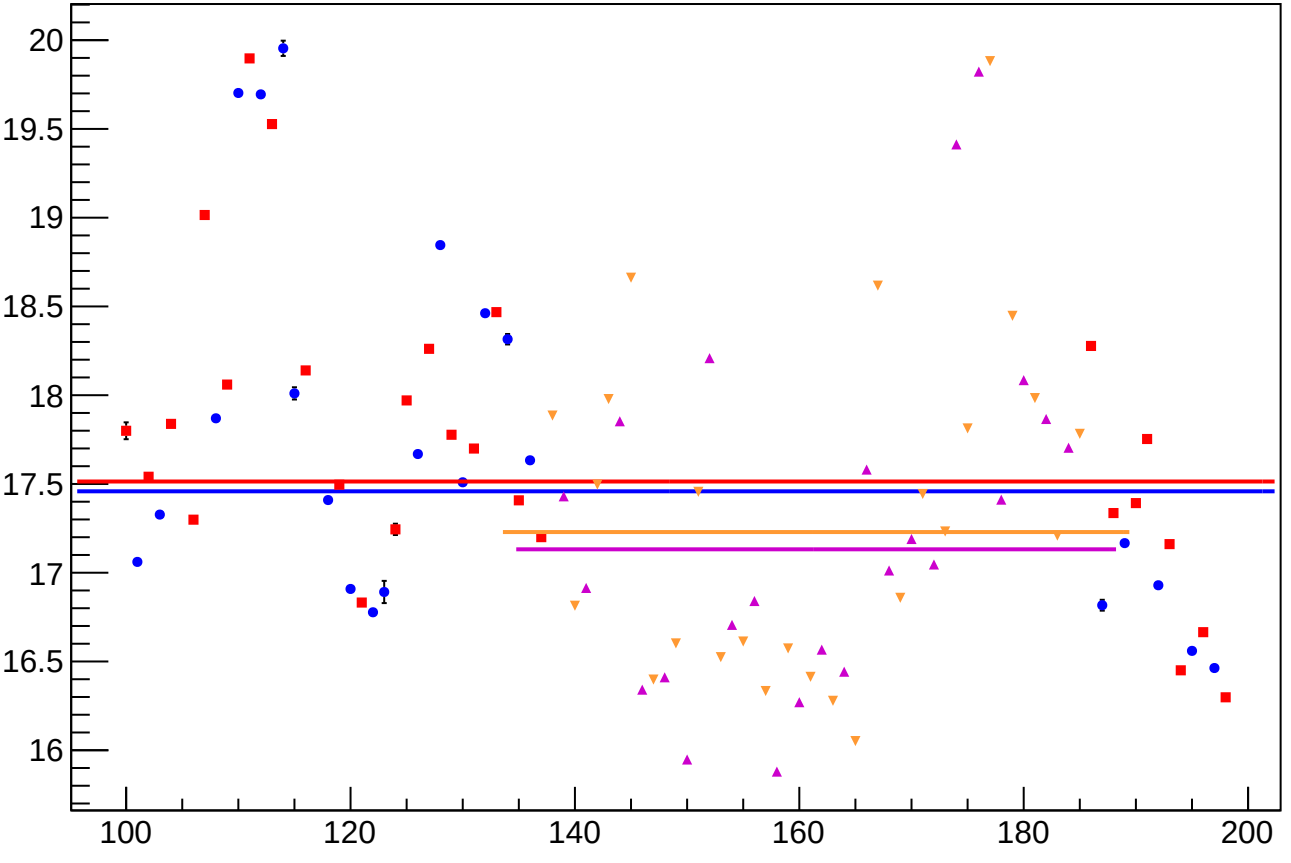
Right: -0.158+/-3.744 χ^2/NDF: 53.4/48

In: 0.545+/-3.314 χ^2/NDF:50.2/44

Out: 5.961+/-3.138 χ^2/NDF:46.2/51

All: 3.400+/-2.279 χ^2/NDF: 97.8/96

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.459+/-0.004 χ^2/NDF: 50090.1/21

Left Out: 17.229+/-0.003 χ^2/NDF:98624.7/24

Right Out: 17.514+/-0.004 χ^2/NDF: 56883.5/26

Left In: 17.132+/-0.003 χ^2/NDF:103997.3/22

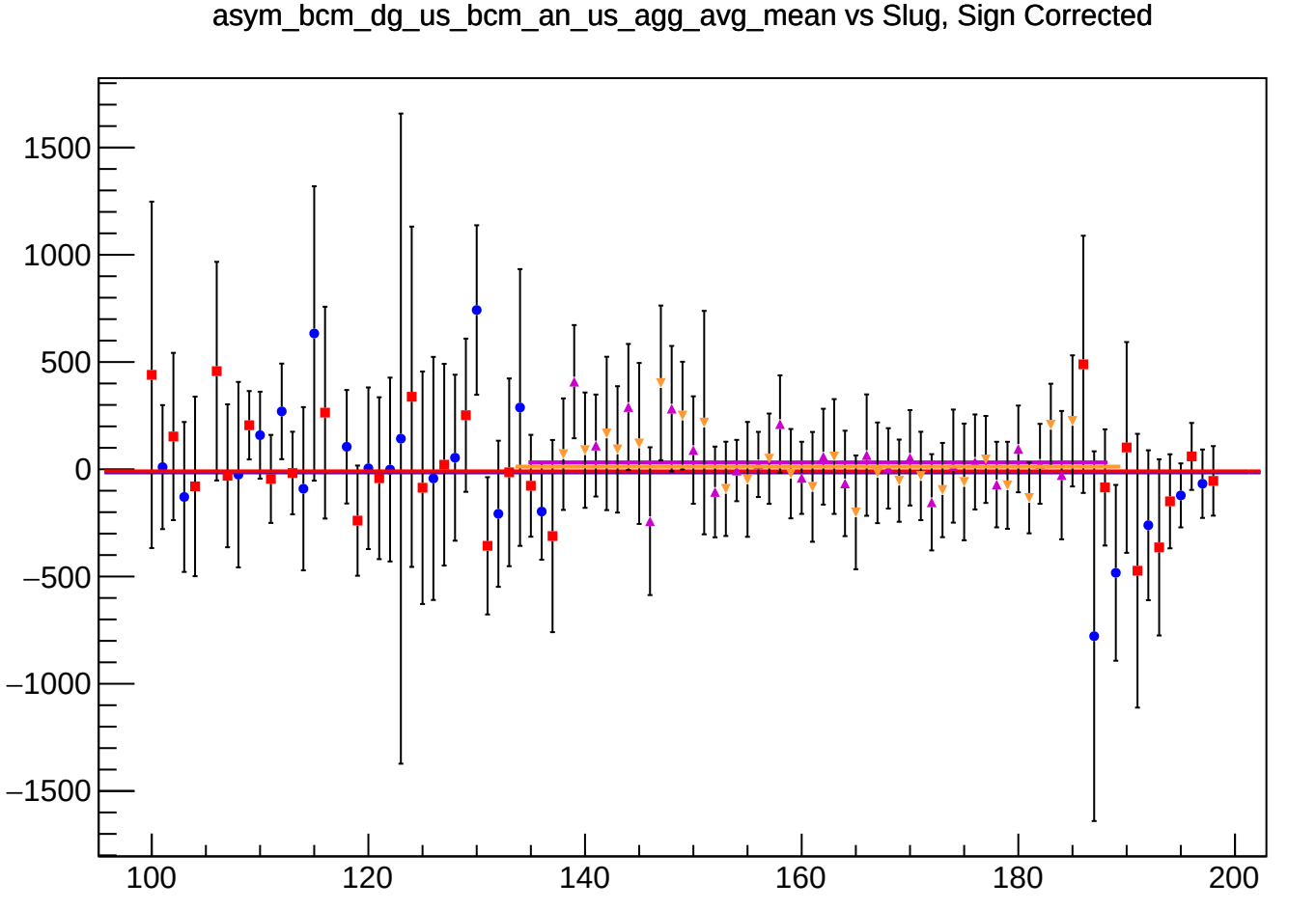
Left: 17.182+/-0.002 χ^2/NDF: 203195.4/47

Right: 17.489+/-0.003 χ^2/NDF: 107081.1/48

In: 17.246+/-0.002 χ^2/NDF:158507.4/44

Out: 17.340+/-0.002 χ^2/NDF:159423.1/51

All: 17.296+/-0.002 χ^2/NDF: 318781.2/96



Right In: -14.437+/-62.870 χ^2/NDF: 11.7/21

Left Out: 12.474+/-48.086 χ^2/NDF:6.8/24

Right Out: -9.605+/-55.311 χ^2/NDF: 9.6/26

Left In: 32.159+/-45.131 χ^2/NDF:6.9/22

Left: 22.940+/-32.908 χ^2/NDF: 13.9/47

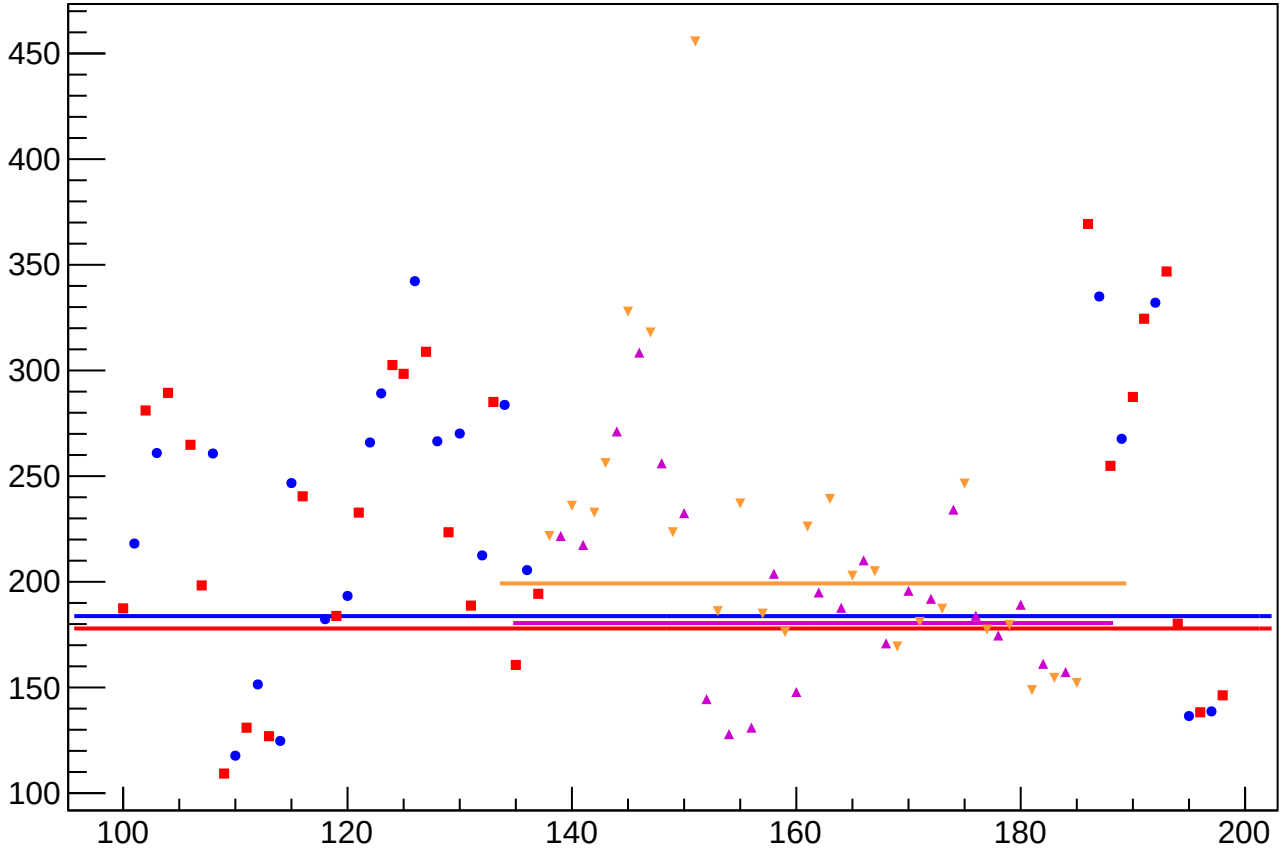
Right: -11.713+/-41.527 χ^2/NDF: 21.3/48

In: 16.313+/-36.663 χ^2/NDF:19.1/44

Out: 2.970+/-36.289 χ^2/NDF:16.5/51

All: 9.573+/-25.791 χ^2/NDF: 35.6/96

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.768+/-0.044 χ^2/NDF: 1883784.7/21

Left Out: 199.241+/-0.034 χ^2/NDF:1764097.7/24

Right Out: 177.915+/-0.039 χ^2/NDF: 2623605.3/26

Left In: 180.494+/-0.032 χ^2/NDF:1593784.1/22

Left: 189.274+/-0.023 χ^2/NDF: 3519511.1/47

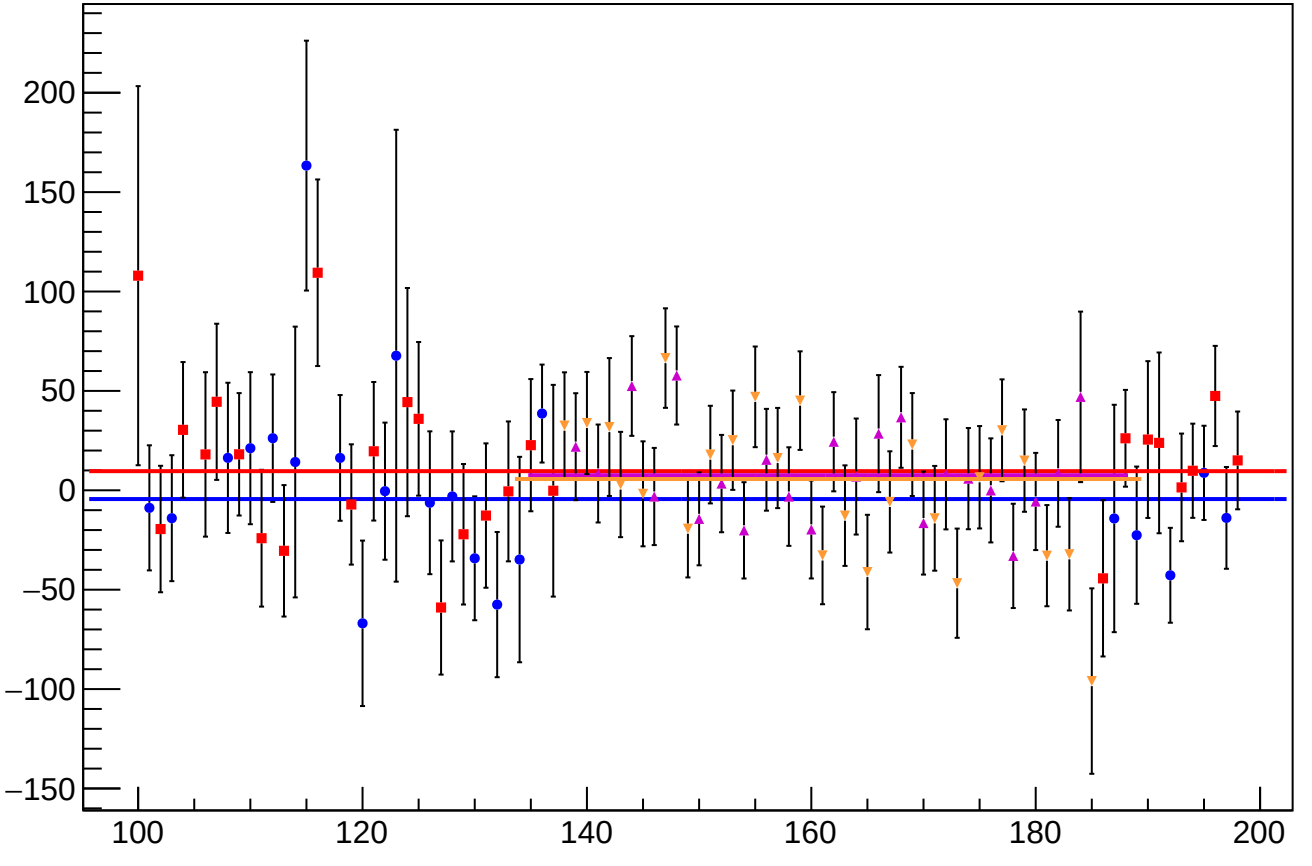
Right: 180.469+/-0.029 χ^2/NDF: 4517159.0/48

In: 181.607+/-0.026 χ^2/NDF:3481147.8/44

Out: 190.061+/-0.026 χ^2/NDF:4557038.6/51

All: 185.877+/-0.018 χ^2/NDF: 8091902.8/96

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.406+/-7.246 χ^2/NDF: 21.8/21

Left Out: 5.673+/-5.278 χ^2/NDF:36.4/24

Right Out: 9.628+/-6.498 χ^2/NDF: 21.9/26

Left In: 7.594+/-5.402 χ^2/NDF:18.3/22

Left: 6.611+/-3.775 χ^2/NDF: 54.8/47

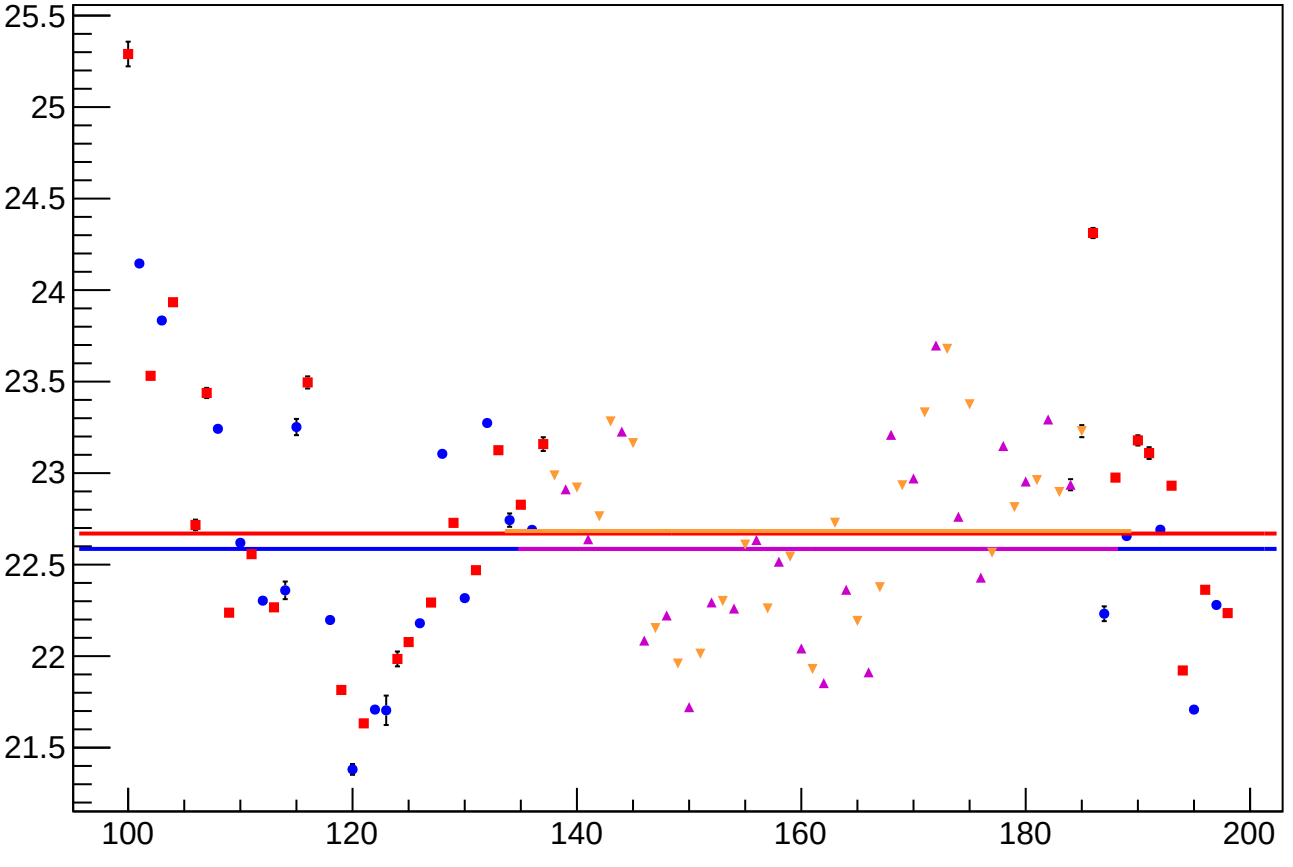
Right: 3.373+/-4.838 χ^2/NDF: 45.8/48

In: 3.307+/-4.331 χ^2/NDF:41.9/44

Out: 7.245+/-4.097 χ^2/NDF:58.6/51

All: 5.386+/-2.976 χ^2/NDF: 100.9/96

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.586+/-0.005 χ^2/NDF: 17246.0/21

Left Out: 22.683+/-0.004 χ^2/NDF:16318.1/24

Right Out: 22.670+/-0.005 χ^2/NDF: 20239.1/26

Left In: 22.585+/-0.004 χ^2/NDF:18087.5/22

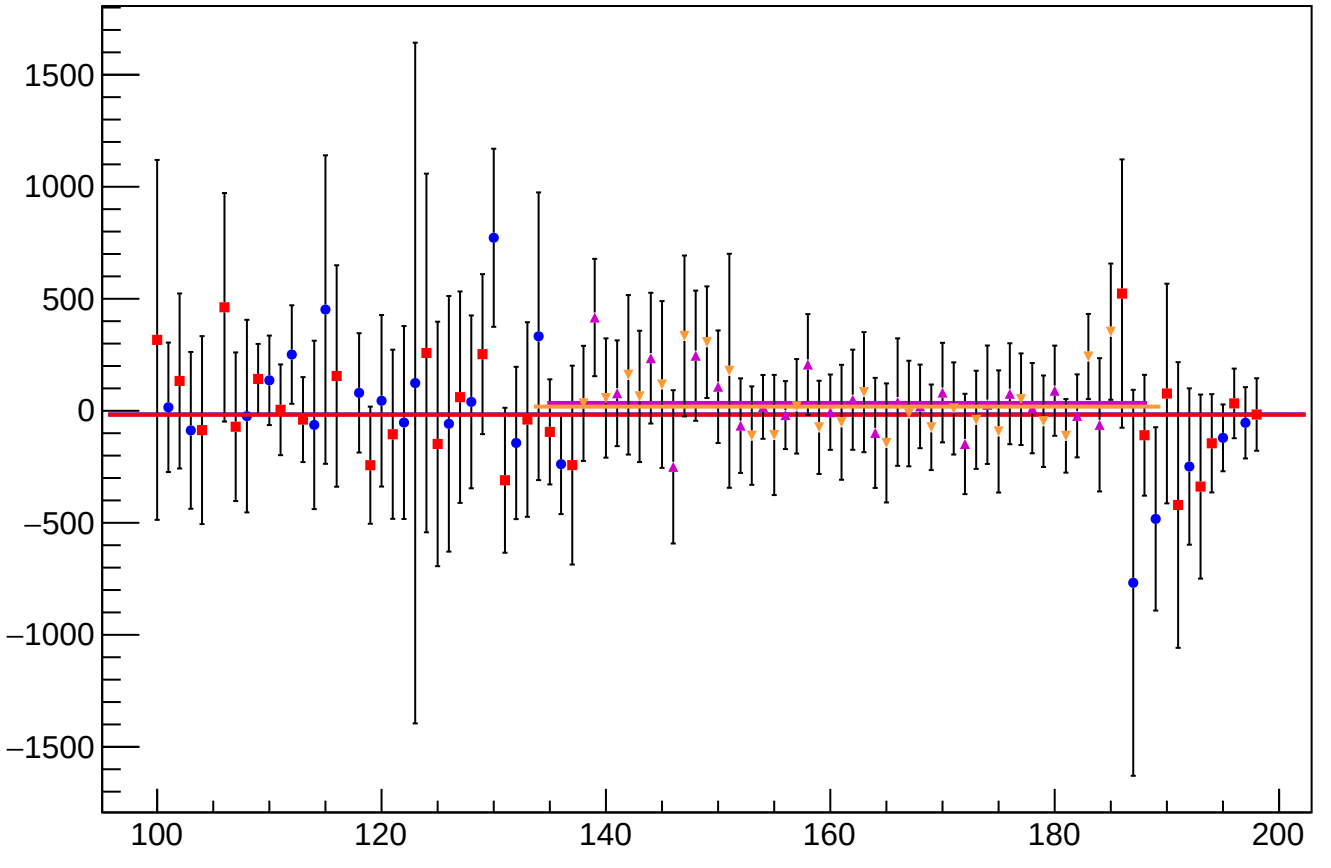
Left: 22.635+/-0.003 χ^2/NDF: 34743.7/47

Right: 22.632+/-0.003 χ^2/NDF: 37633.9/48

In: 22.585+/-0.003 χ^2/NDF:35333.5/44

Out: 22.678+/-0.003 χ^2/NDF:36562.5/51

All: 22.634+/-0.002 χ^2/NDF: 72378.1/96



Right In: -16.044+/-62.676 χ^2/NDF: 11.2/21

Left Out: 18.633+/-48.006 χ^2/NDF:7.6/24

Right Out: -17.576+/-55.015 χ^2/NDF: 7.6/26

Left In: 35.046+/-45.063 χ^2/NDF:6.3/22

Left: 27.358+/-32.855 χ^2/NDF: 13.9/47

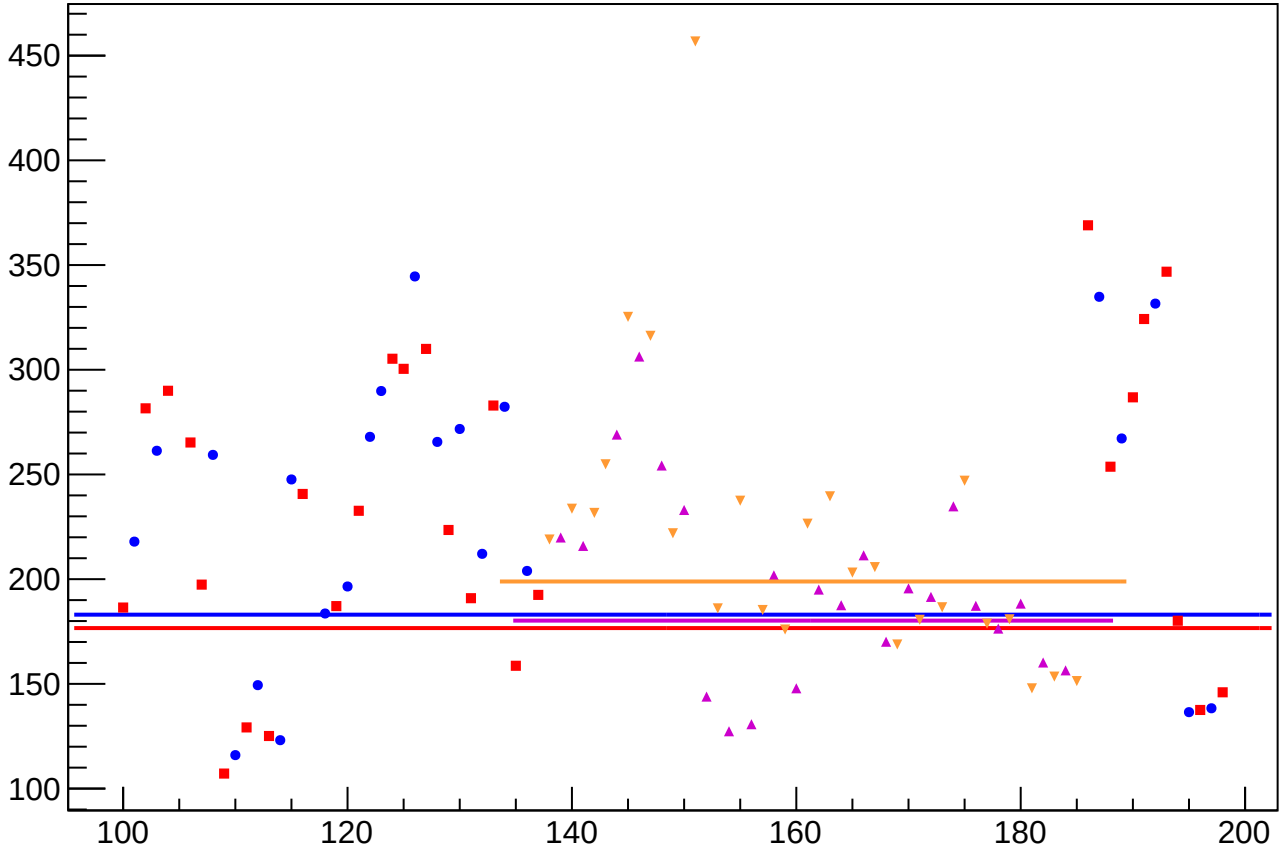
Right: -16.910+/-41.346 χ^2/NDF: 18.8/48

In: 17.636+/-36.588 χ^2/NDF:17.9/44

Out: 2.981+/-36.171 χ^2/NDF:15.5/51

All: 10.224+/-25.723 χ^2/NDF: 33.5/96

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.049+/-0.044 χ^2/NDF: 1916302.9/21

Left Out: 198.891+/-0.034 χ^2/NDF:1762454.6/24

Right Out: 176.641+/-0.039 χ^2/NDF: 2698059.4/26

Left In: 180.207+/-0.032 χ^2/NDF:1589005.4/22

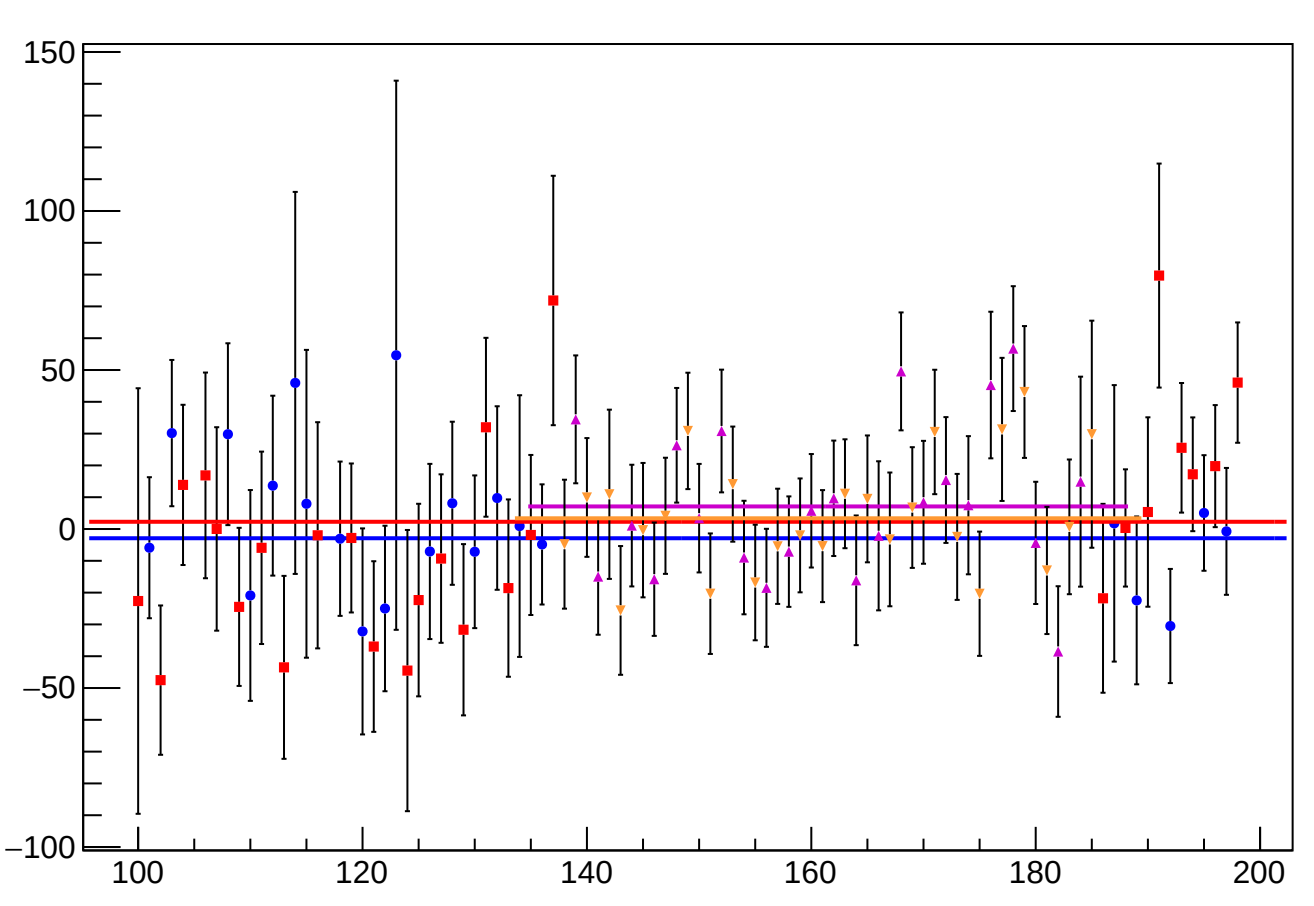
Left: 188.959+/-0.023 χ^2/NDF: 3512499.2/47

Right: 179.430+/-0.029 χ^2/NDF: 4626172.3/48

In: 181.176+/-0.026 χ^2/NDF:3508019.6/44

Out: 189.273+/-0.026 χ^2/NDF:4646229.5/51

All: 185.271+/-0.018 χ^2/NDF: 8203784.3/96



Right In: -2.903+/-5.586 χ^2/NDF: 10.3/21

Left Out: 3.372+/-3.947 χ^2/NDF:18.8/24

Right Out: 2.276+/-5.018 χ^2/NDF: 33.1/26

Left In: 7.099+/-4.047 χ^2/NDF:32.5/22

Left: 5.189+/-2.826 χ^2/NDF: 51.8/47

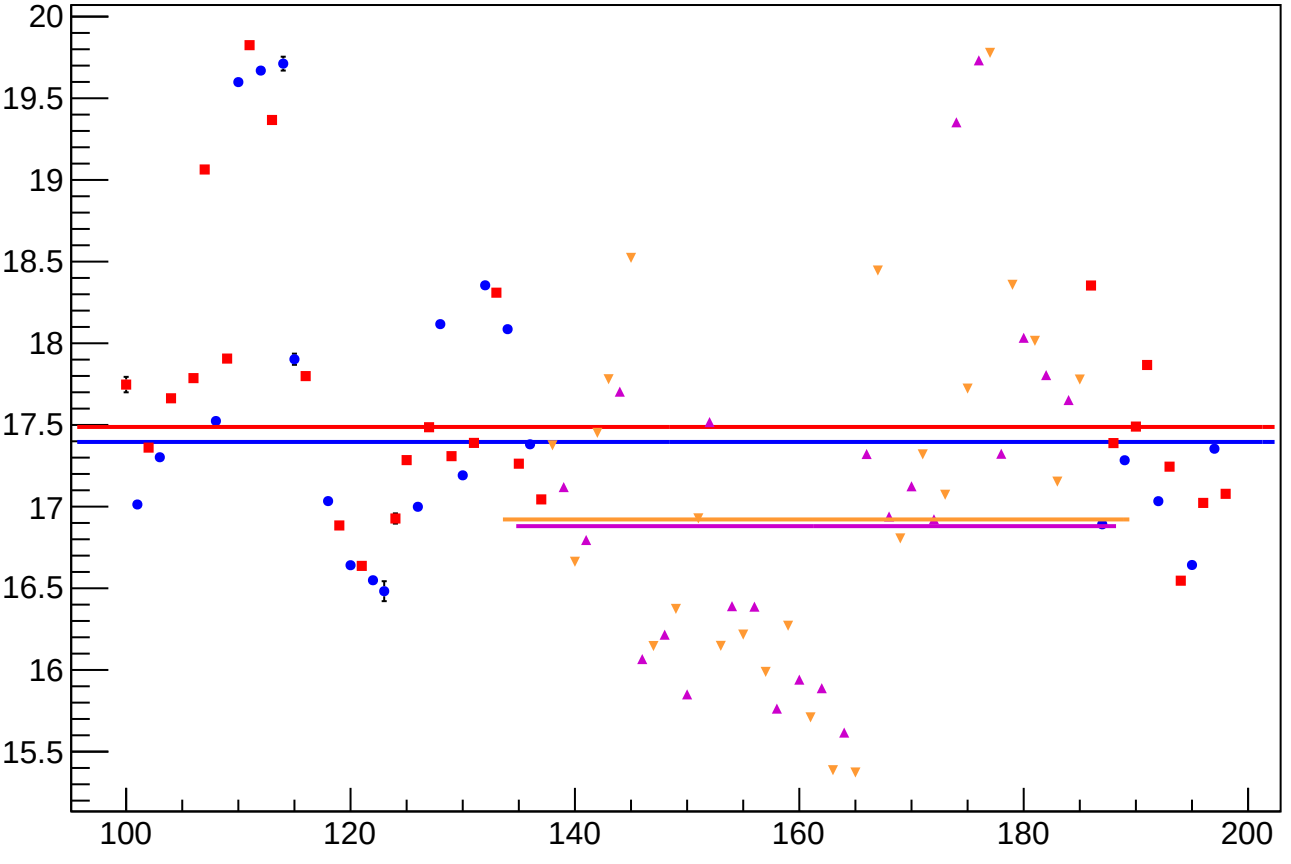
Right: -0.037+/-3.733 χ^2/NDF: 43.9/48

In: 3.656+/-3.278 χ^2/NDF:44.9/44

Out: 2.953+/-3.102 χ^2/NDF:52.0/51

All: 3.285+/-2.253 χ^2/NDF: 96.9/96

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.396+/-0.004 χ^2/NDF: 38974.8/21

Left Out: 16.921+/-0.003 χ^2/NDF:138990.4/24

Right Out: 17.488+/-0.004 χ^2/NDF: 42345.9/26

Left In: 16.880+/-0.003 χ^2/NDF:121736.1/22

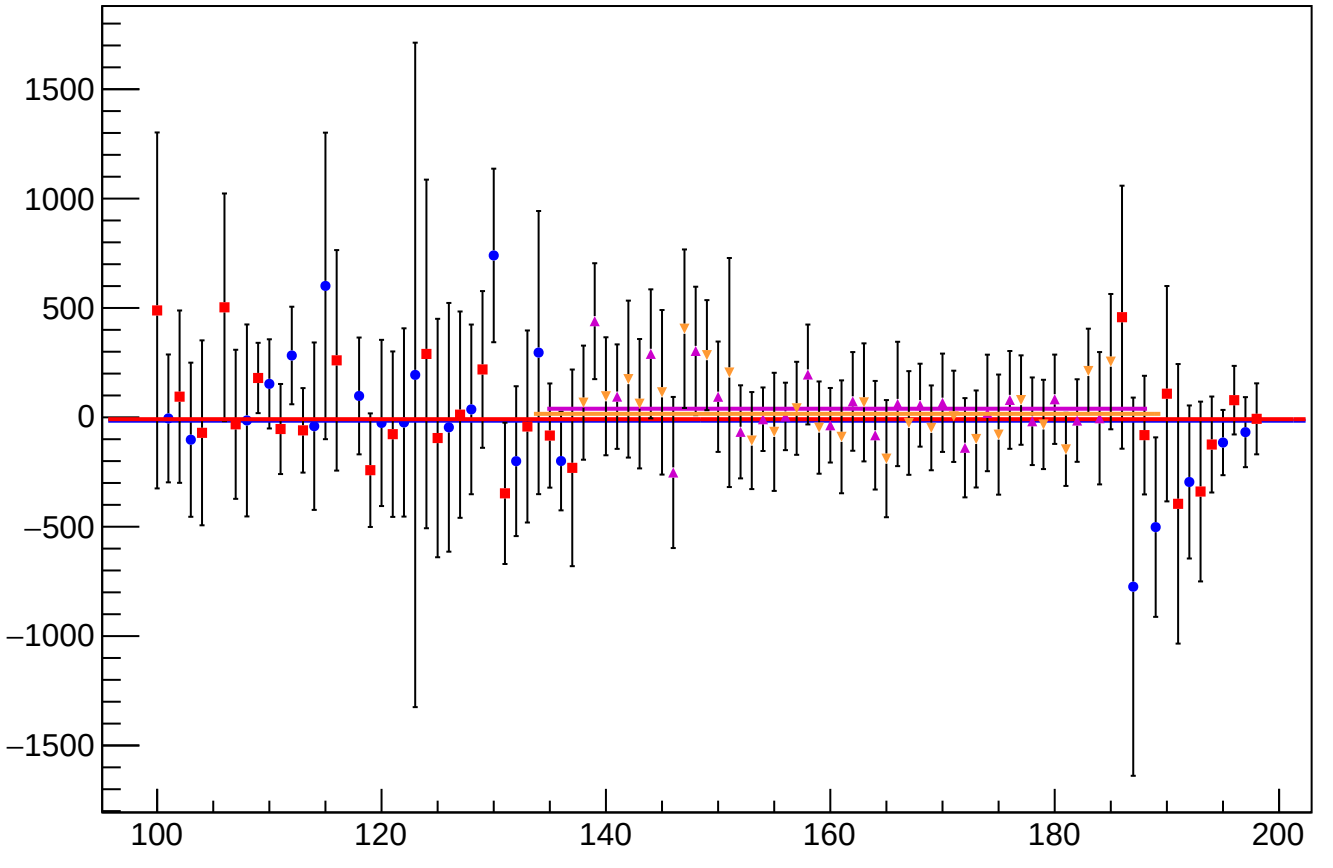
Left: 16.901+/-0.002 χ^2/NDF: 260831.8/47

Right: 17.447+/-0.003 χ^2/NDF: 81619.6/48

In: 17.058+/-0.002 χ^2/NDF:171879.6/44

Out: 17.138+/-0.002 χ^2/NDF:197069.6/51

All: 17.100+/-0.002 χ^2/NDF: 369577.1/96



Right In: -15.375+/-63.139 χ^2/NDF: 11.7/21

Left Out: 15.970+/-48.503 χ^2/NDF:7.4/24

Right Out: -8.402+/-55.587 χ^2/NDF: 8.4/26

Left In: 39.377+/-45.571 χ^2/NDF:6.9/22

Left: 28.402+/-33.212 χ^2/NDF: 14.4/47

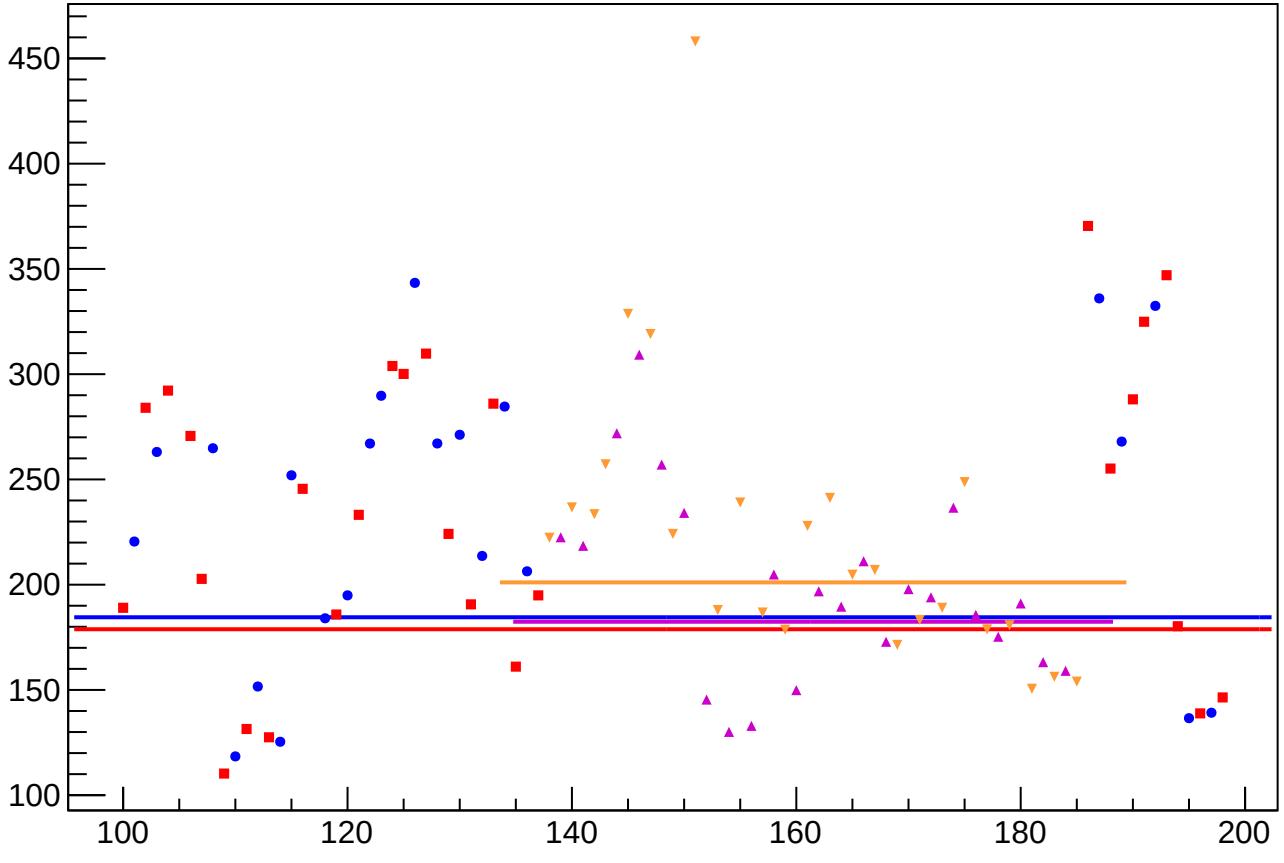
Right: -11.446+/-41.722 χ^2/NDF: 20.1/48

In: 20.624+/-36.951 χ^2/NDF:19.1/44

Out: 5.435+/-36.546 χ^2/NDF:15.9/51

All: 12.946+/-25.984 χ^2/NDF: 35.1/96

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 184.522+/-0.045 χ^2/NDF: 1893516.6/21

Left Out: 201.091+/-0.034 χ^2/NDF:1731069.1/24

Right Out: 178.829+/-0.039 χ^2/NDF: 2627275.2/26

Left In: 182.396+/-0.032 χ^2/NDF:1548907.7/22

Left: 191.161+/-0.023 χ^2/NDF: 3437793.2/47

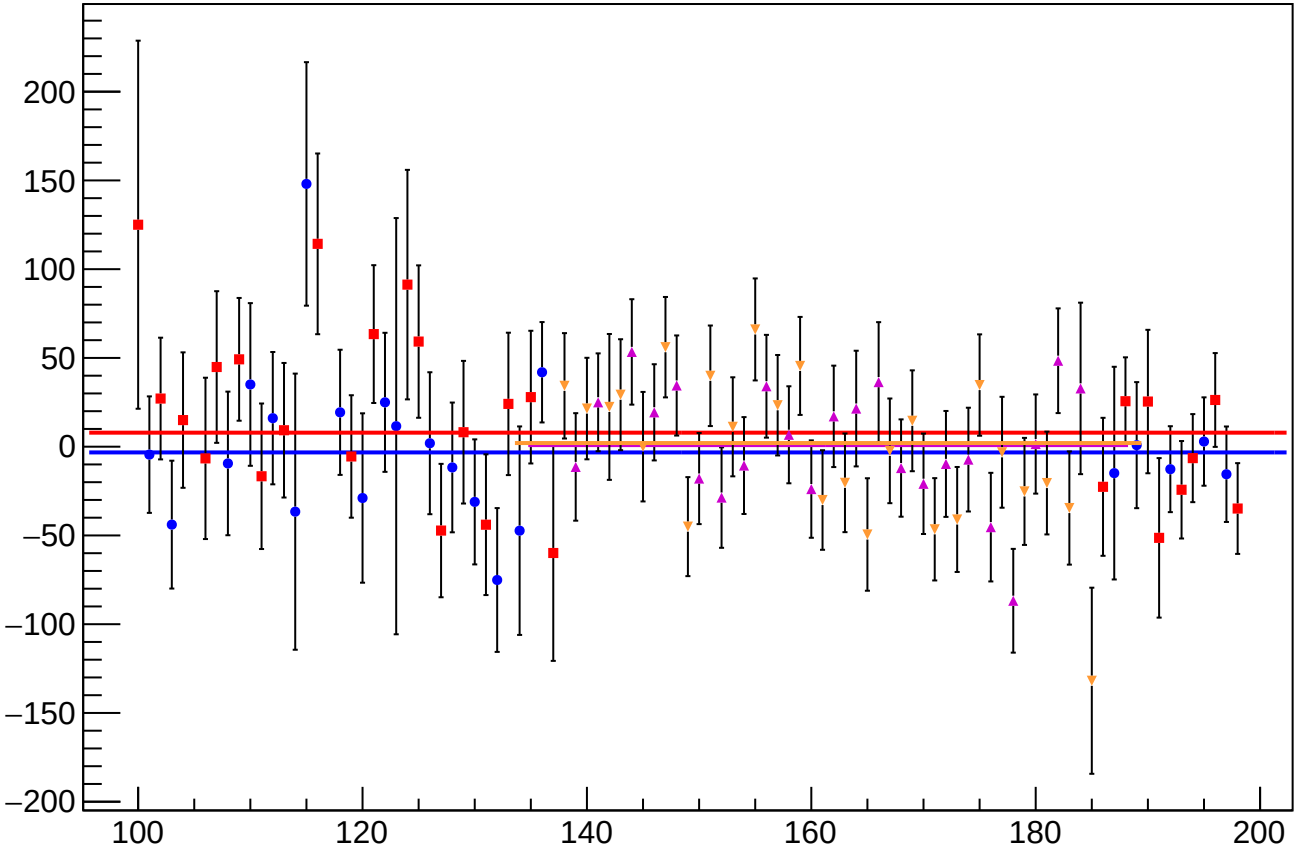
Right: 181.315+/-0.030 χ^2/NDF: 4529951.5/48

In: 183.124+/-0.026 χ^2/NDF:3443915.3/44

Out: 191.468+/-0.026 χ^2/NDF:4540465.4/51

All: 187.342+/-0.018 χ^2/NDF: 8035931.9/96

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.231+/-7.916 χ^2/NDF: 16.0/21

Left Out: 2.054+/-5.970 χ^2/NDF:39.4/24

Right Out: 7.899+/-7.009 χ^2/NDF: 27.5/26

Left In: 0.900+/-6.069 χ^2/NDF:27.1/22

Left: 1.487+/-4.256 χ^2/NDF: 66.5/47

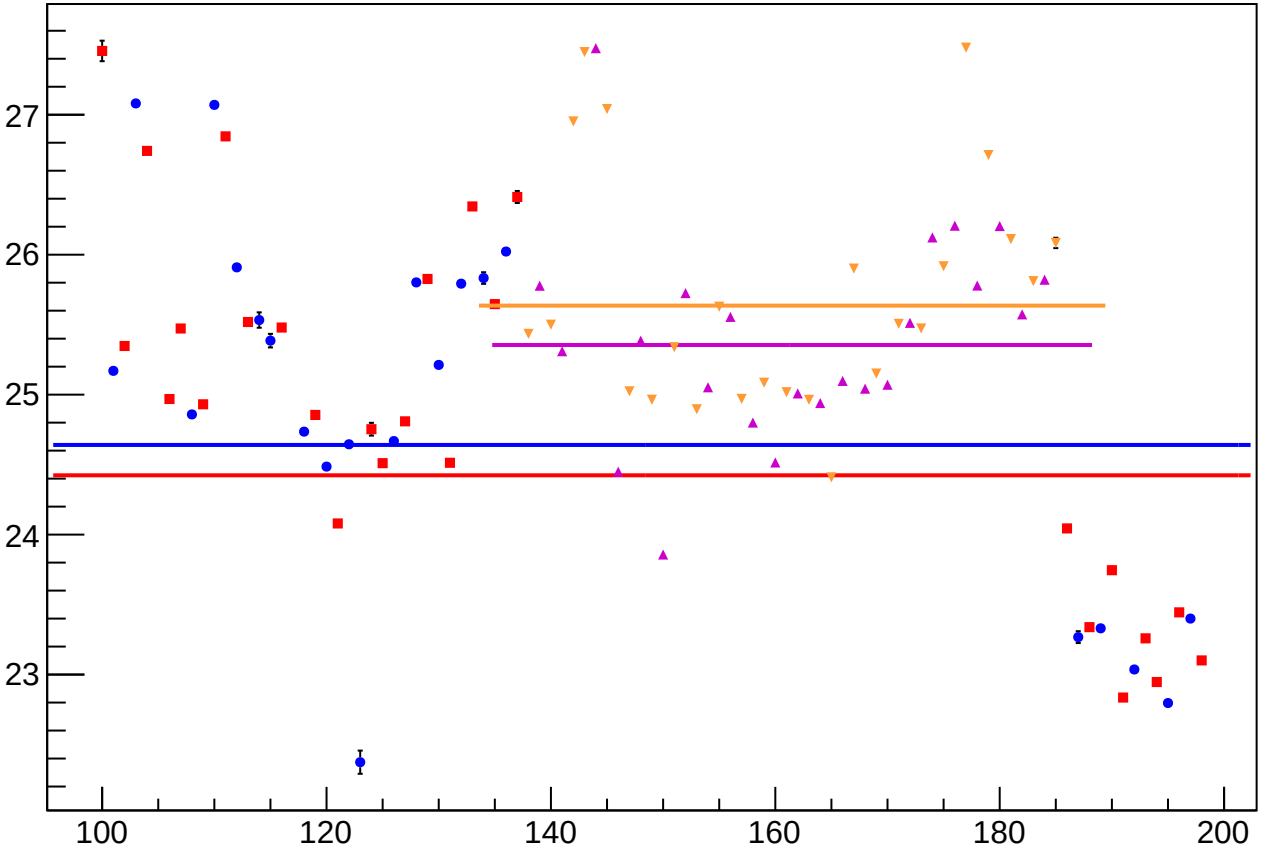
Right: 3.008+/-5.247 χ^2/NDF: 44.6/48

In: -0.629+/-4.817 χ^2/NDF:43.2/44

Out: 4.512+/-4.545 χ^2/NDF:67.4/51

All: 2.090+/-3.306 χ^2/NDF: 111.2/96

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.641+/-0.006 χ^2/NDF: 56546.9/21

Left Out: 25.636+/-0.004 χ^2/NDF:35130.7/24

Right Out: 24.424+/-0.005 χ^2/NDF: 59939.0/26

Left In: 25.355+/-0.004 χ^2/NDF:29766.2/22

Left: 25.498+/-0.003 χ^2/NDF: 67081.3/47

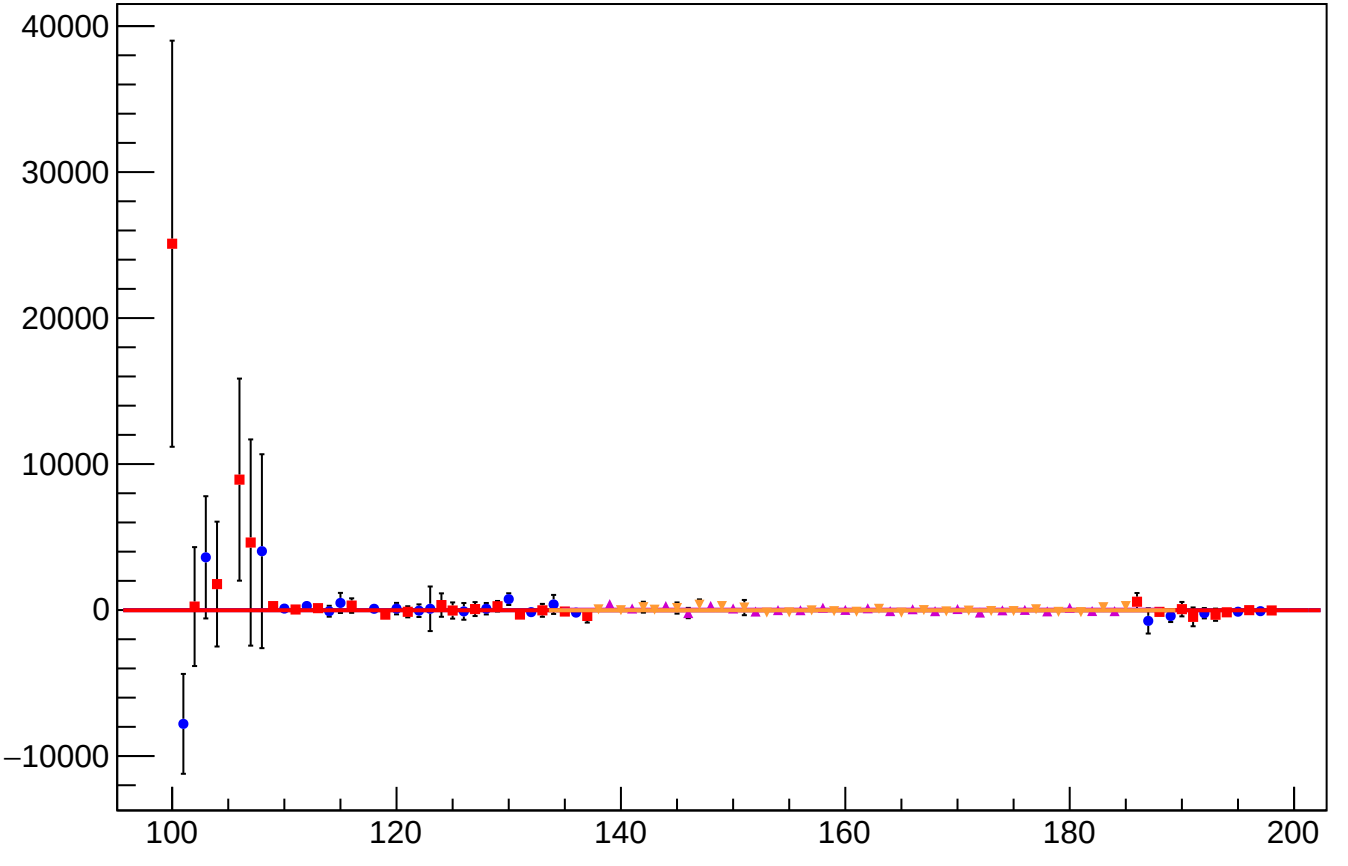
Right: 24.519+/-0.004 χ^2/NDF: 117327.6/48

In: 25.090+/-0.003 χ^2/NDF:96561.4/44

Out: 25.126+/-0.003 χ^2/NDF:129743.5/51

All: 25.109+/-0.002 χ^2/NDF: 226364.0/96

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -6.743+/-67.389 χ^2/NDF: 16.4/21

Left Out: -12.820+/-48.216 χ^2/NDF:7.9/24

Right Out: -14.915+/-60.434 χ^2/NDF: 14.7/26

Left In: 26.836+/-45.876 χ^2/NDF:7.5/22

Left: 7.994+/-33.236 χ^2/NDF: 15.7/47

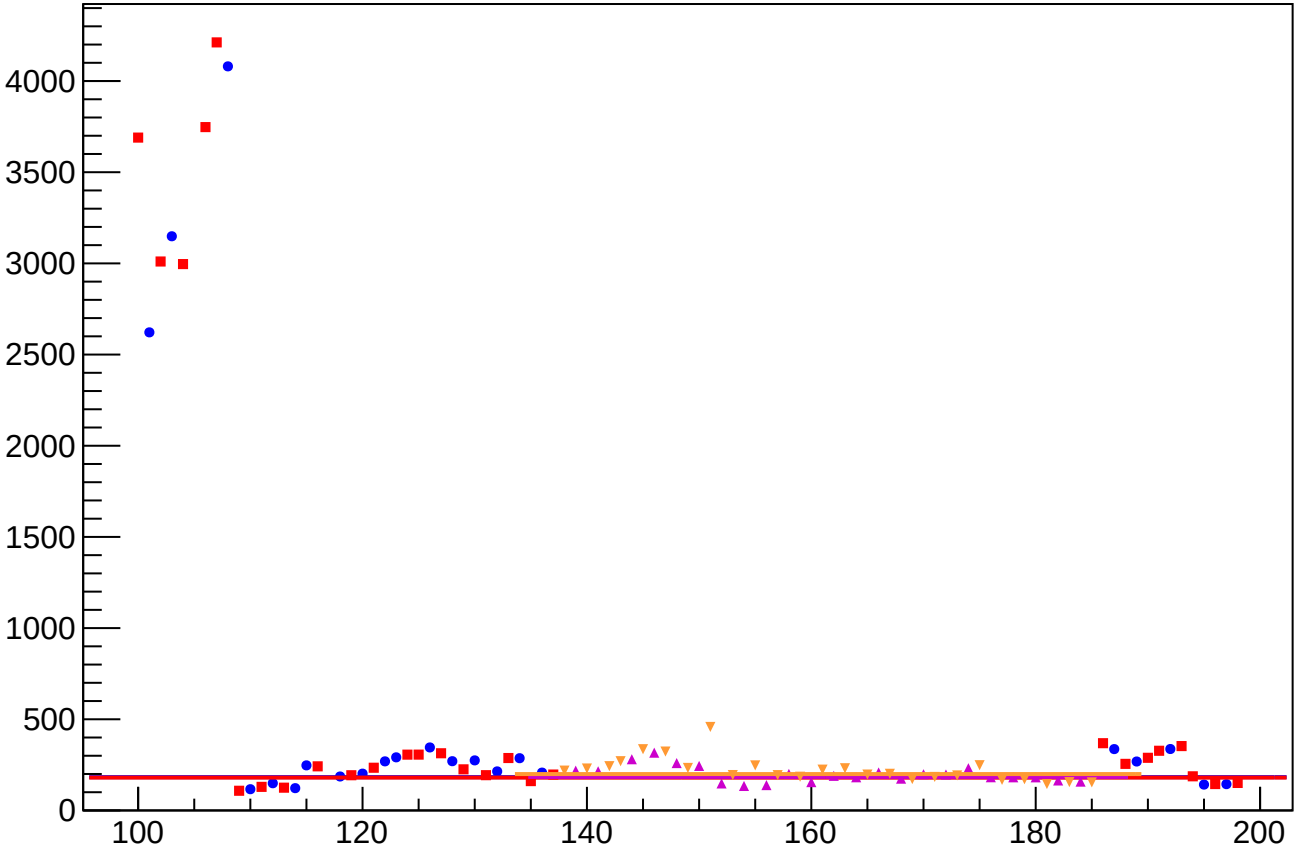
Right: -11.273+/-44.992 χ^2/NDF: 31.1/48

In: 16.203+/-37.923 χ^2/NDF:24.1/44

Out: -13.635+/-37.690 χ^2/NDF:22.6/51

All: 1.192+/-26.733 χ^2/NDF: 47.0/96

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.640+/-0.048 χ^2/NDF: 4371616.3/21

Left Out: 199.536+/-0.034 χ^2/NDF:1880548.8/24

Right Out: 180.248+/-0.043 χ^2/NDF: 5270190.0/26

Left In: 184.031+/-0.032 χ^2/NDF:1423454.3/22

Left: 191.398+/-0.024 χ^2/NDF: 3412539.0/47

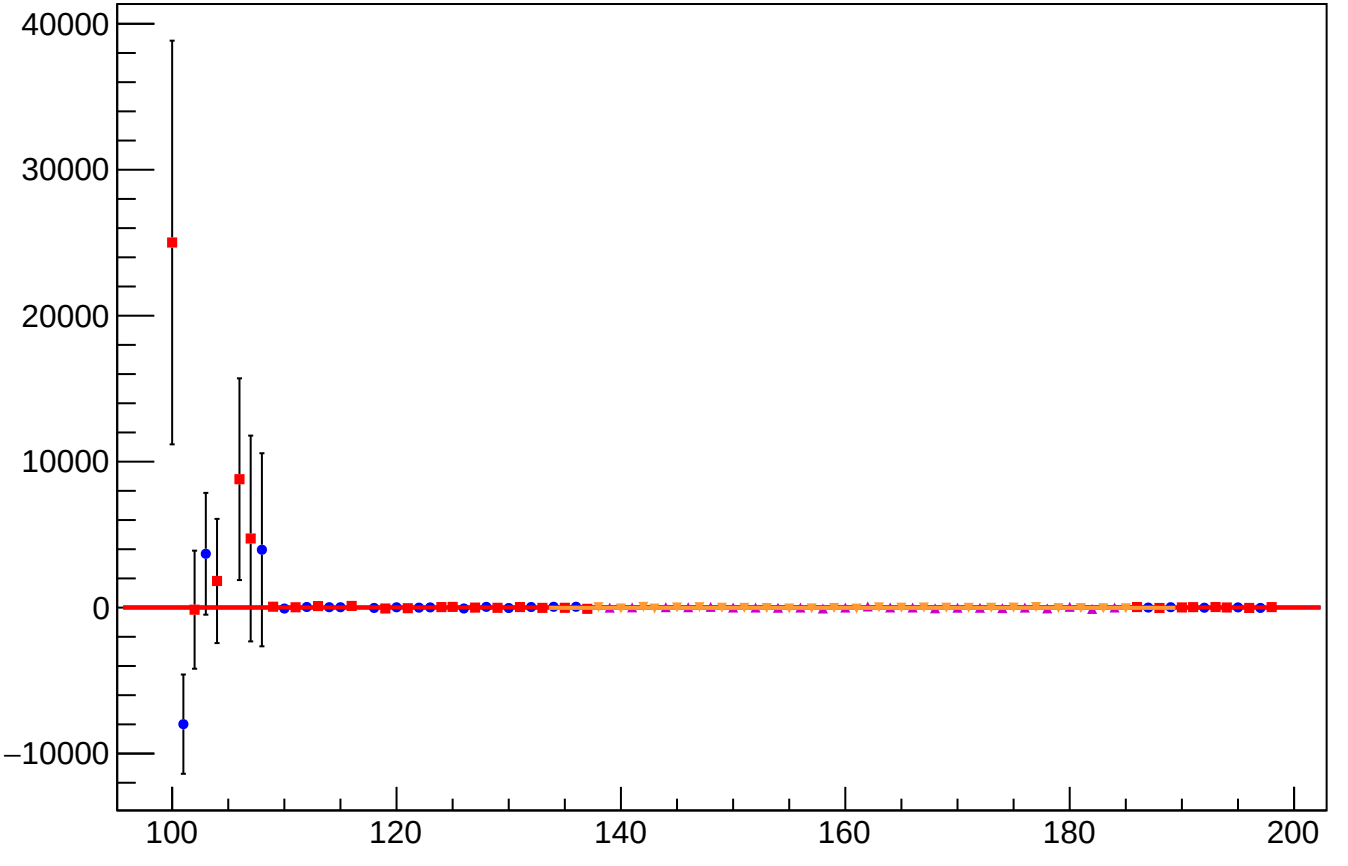
Right: 181.314+/-0.032 χ^2/NDF: 9643203.2/48

In: 183.591+/-0.027 χ^2/NDF:5795653.5/44

Out: 192.033+/-0.027 χ^2/NDF:7275223.3/51

All: 187.838+/-0.019 χ^2/NDF: 13120744.0/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.020+/-9.658 χ^2/NDF: 20.4/21

Left Out: -17.580+/-6.694 χ^2/NDF:22.3/24

Right Out: 10.854+/-8.721 χ^2/NDF: 28.6/26

Left In: 1.038+/-6.880 χ^2/NDF:32.4/22

Left: -8.527+/-4.798 χ^2/NDF: 58.5/47

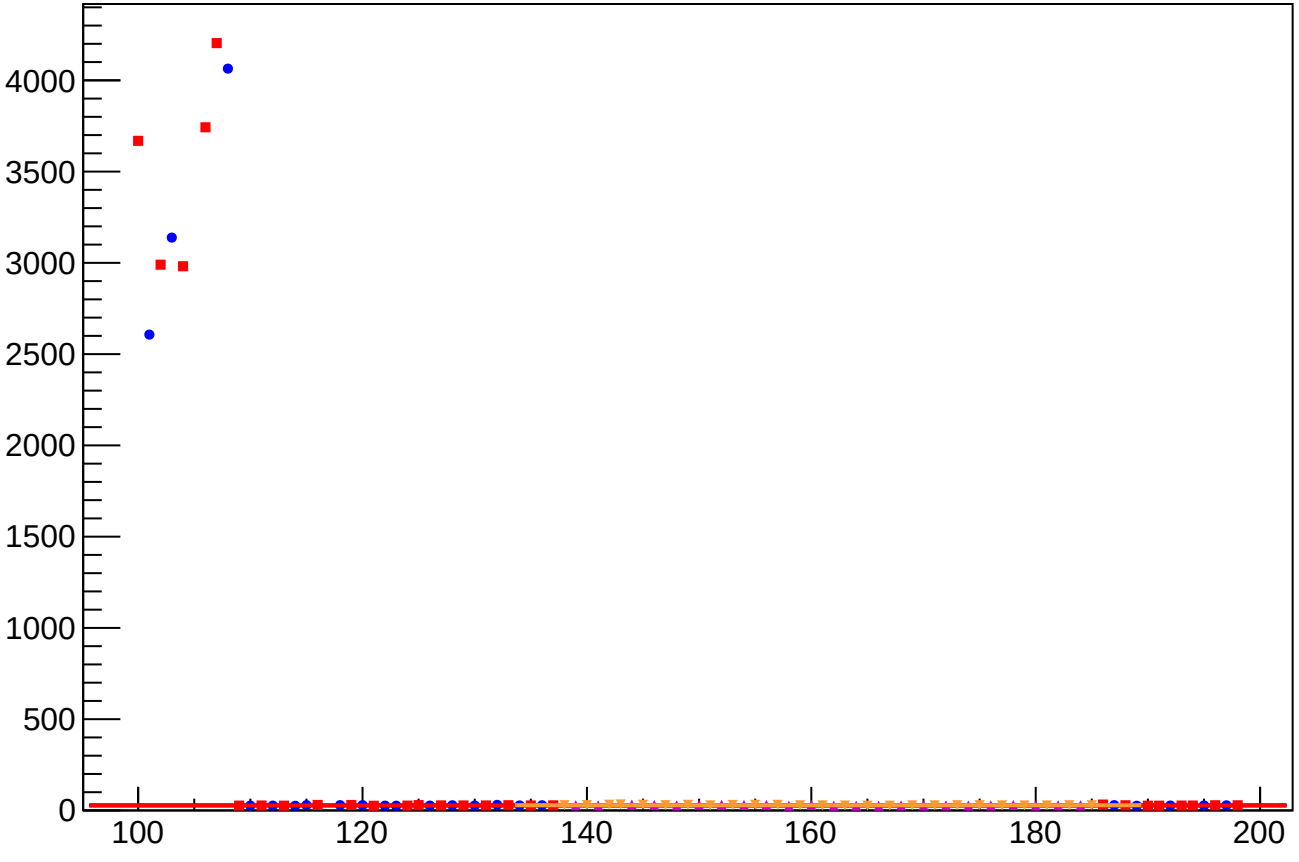
Right: 9.132+/-6.473 χ^2/NDF: 49.1/48

In: 3.052+/-5.604 χ^2/NDF:53.1/44

Out: -7.040+/-5.310 χ^2/NDF:57.6/51

All: -2.265+/-3.854 χ^2/NDF: 112.4/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.651+/-0.007 χ^2/NDF: 3034748.3/21

Left Out: 28.691+/-0.005 χ^2/NDF:110483.8/24

Right Out: 27.741+/-0.006 χ^2/NDF: 3500693.8/26

Left In: 28.673+/-0.005 χ^2/NDF:124751.4/22

Left: 28.682+/-0.003 χ^2/NDF: 235242.3/47

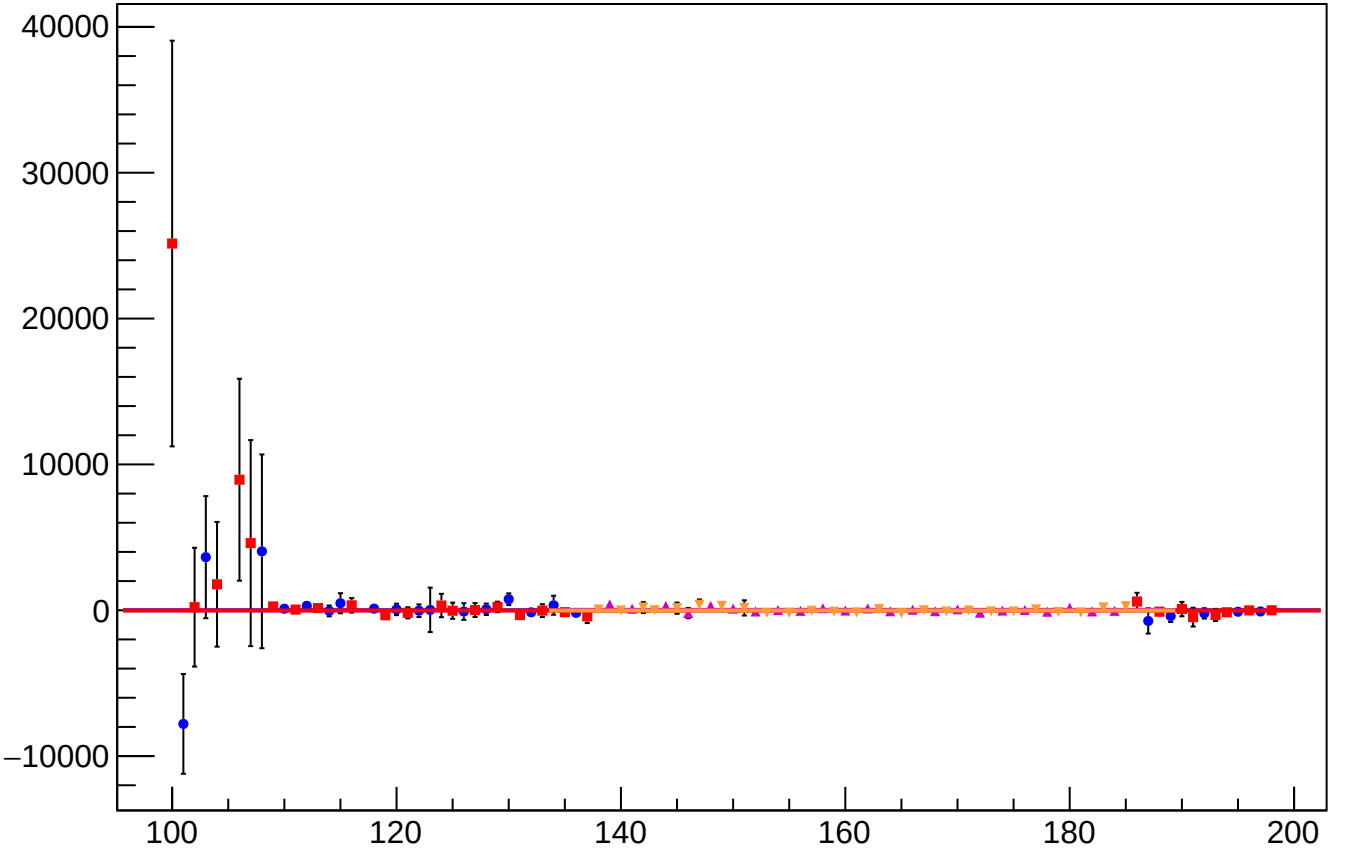
Right: 27.701+/-0.005 χ^2/NDF: 6535538.0/48

In: 28.329+/-0.004 χ^2/NDF:3174342.4/44

Out: 28.339+/-0.004 χ^2/NDF:3626092.8/51

All: 28.334+/-0.003 χ^2/NDF: 6800438.6/96

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -1.713+/-67.188 χ^2/NDF: 16.6/21

Left Out: -15.483+/-48.109 χ^2/NDF:8.7/24

Right Out: -14.640+/-60.259 χ^2/NDF: 15.4/26

Left In: 27.009+/-45.785 χ^2/NDF:7.8/22

Left: 6.815+/-33.166 χ^2/NDF: 16.9/47

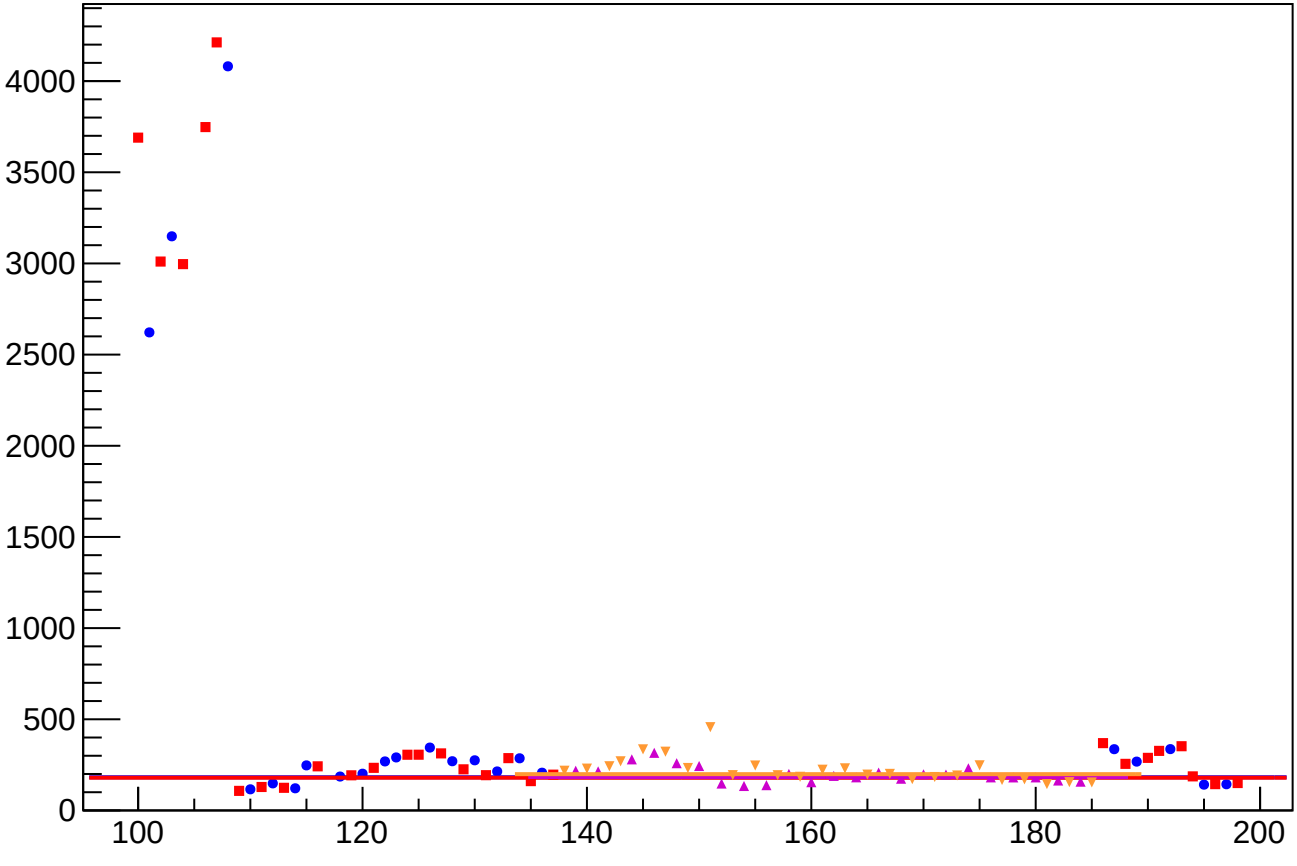
Right: -8.877+/-44.860 χ^2/NDF: 32.0/48

In: 17.901+/-37.835 χ^2/NDF:24.5/44

Out: -15.154+/-37.597 χ^2/NDF:24.1/51

All: 1.269+/-26.669 χ^2/NDF: 49.0/96

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.017+/-0.048 χ^2/NDF: 4384795.6/21

Left Out: 199.094+/-0.034 χ^2/NDF:1880343.4/24

Right Out: 179.639+/-0.043 χ^2/NDF: 5288295.4/26

Left In: 183.667+/-0.032 χ^2/NDF:1422895.7/22

Left: 190.999+/-0.023 χ^2/NDF: 3411149.8/47

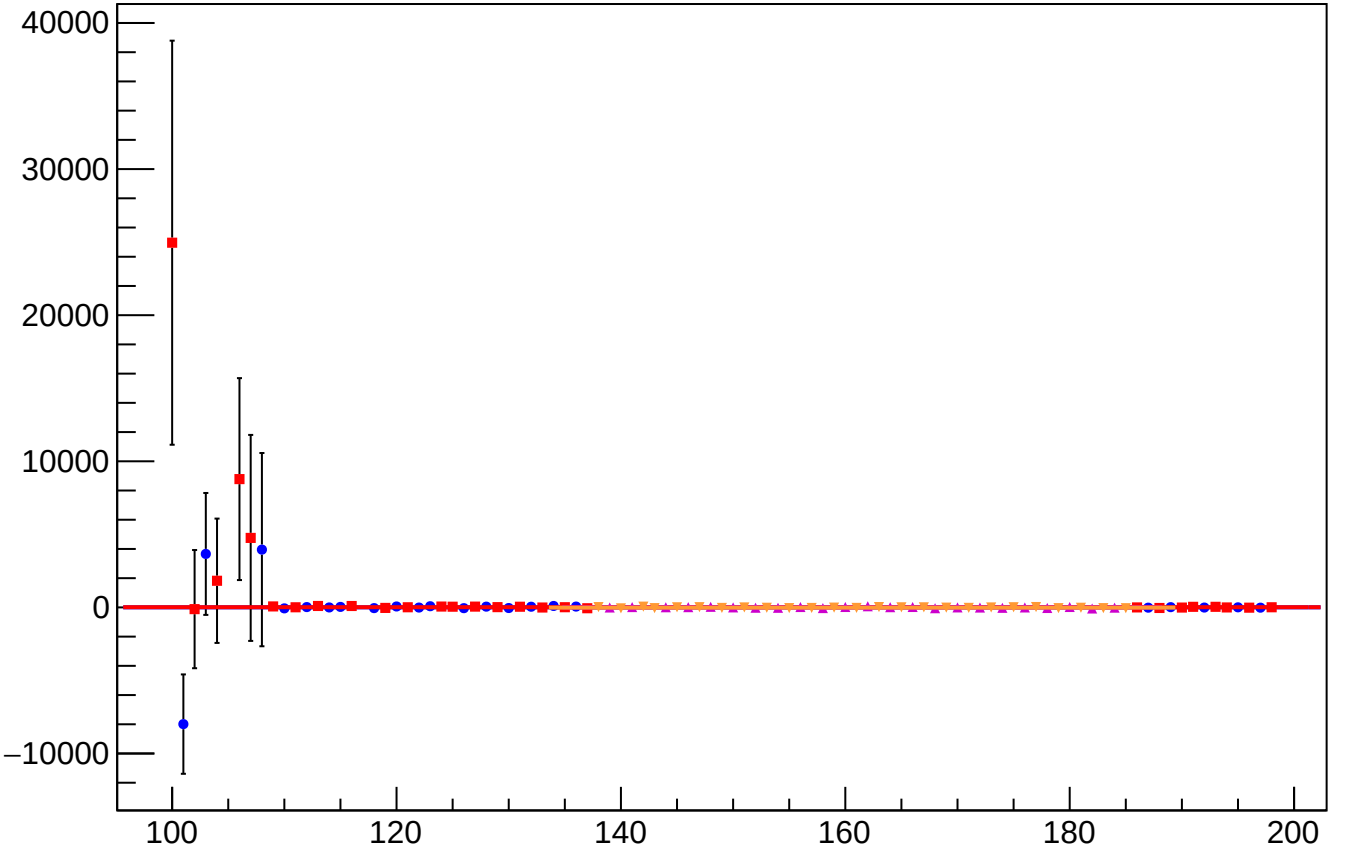
Right: 180.699+/-0.032 χ^2/NDF: 9674479.6/48

In: 183.144+/-0.027 χ^2/NDF:5808515.5/44

Out: 191.520+/-0.027 χ^2/NDF:7295960.9/51

All: 187.359+/-0.019 χ^2/NDF: 13153803.1/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.040+/-9.678 χ^2/NDF: 23.9/21

Left Out: -15.006+/-6.723 χ^2/NDF:17.5/24

Right Out: 13.417+/-8.735 χ^2/NDF: 23.8/26

Left In: -0.702+/-6.909 χ^2/NDF:26.4/22

Left: -8.049+/-4.819 χ^2/NDF: 46.0/47

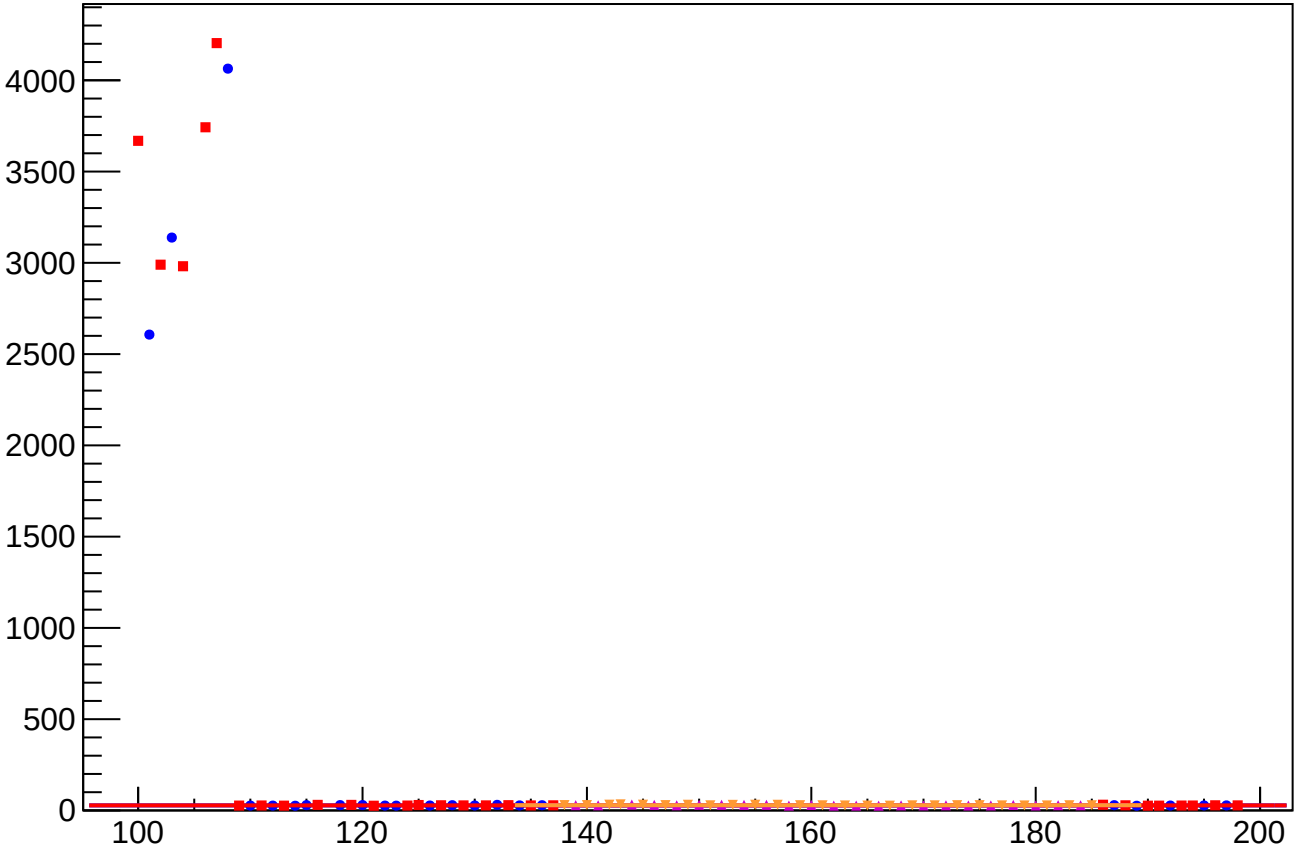
Right: 8.758+/-6.485 χ^2/NDF: 48.3/48

In: 0.561+/-5.623 χ^2/NDF:50.4/44

Out: -4.432+/-5.328 χ^2/NDF:47.9/51

All: -2.070+/-3.868 χ^2/NDF: 98.7/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.705+/-0.007 χ^2/NDF: 3036634.3/21

Left Out: 28.813+/-0.005 χ^2/NDF:121973.8/24

Right Out: 27.786+/-0.006 χ^2/NDF: 3497755.4/26

Left In: 28.792+/-0.005 χ^2/NDF:129393.1/22

Left: 28.803+/-0.003 χ^2/NDF: 251375.8/47

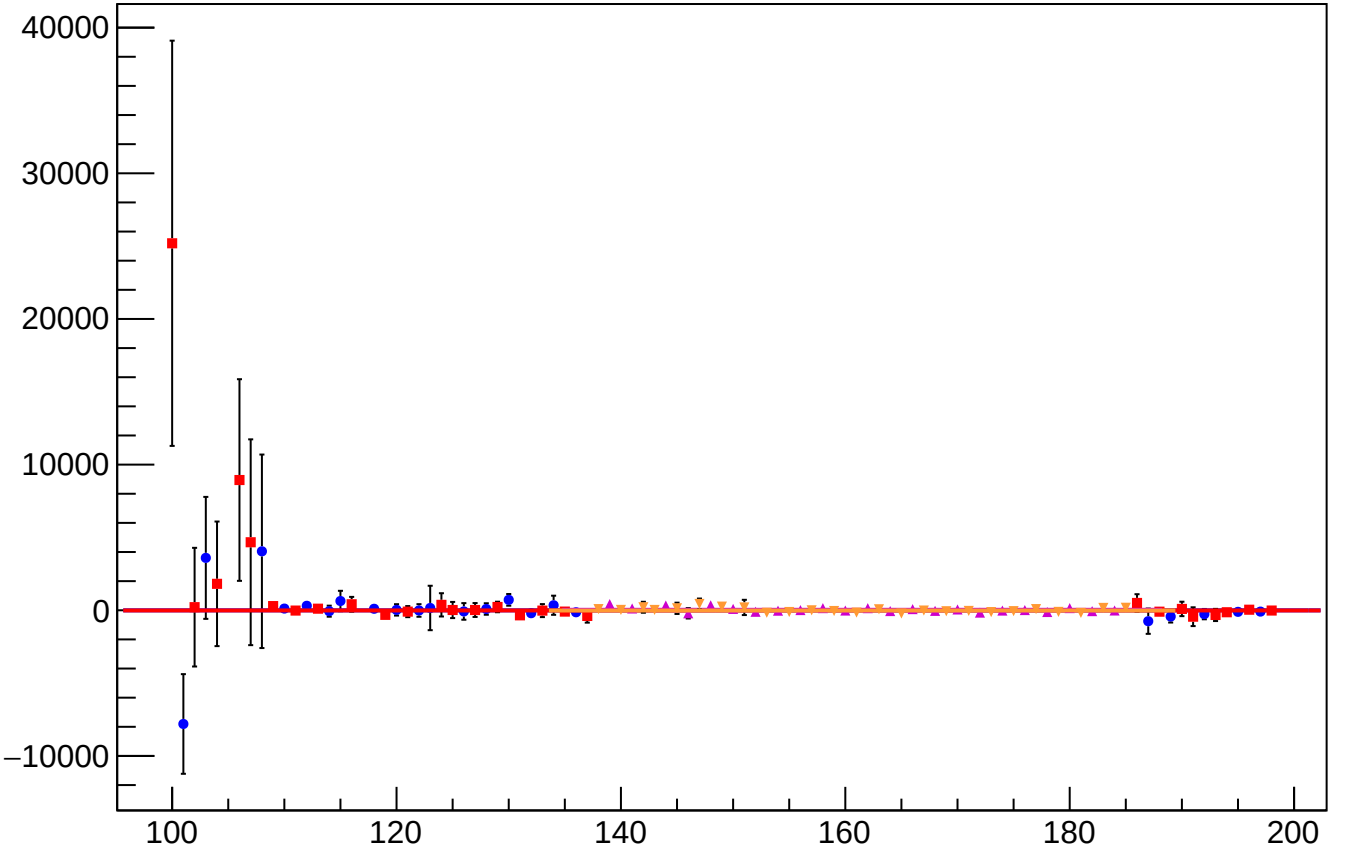
Right: 27.750+/-0.005 χ^2/NDF: 6534466.5/48

In: 28.425+/-0.004 χ^2/NDF:3182739.1/44

Out: 28.431+/-0.004 χ^2/NDF:3637069.2/51

All: 28.428+/-0.003 χ^2/NDF: 6819809.3/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -4.367+/-67.748 χ^2/NDF: 17.0/21

Left Out: -15.548+/-48.688 χ^2/NDF:8.0/24

Right Out: -11.181+/-60.834 χ^2/NDF: 14.6/26

Left In: 31.170+/-46.359 χ^2/NDF:8.2/22

Left: 8.955+/-33.574 χ^2/NDF: 16.6/47

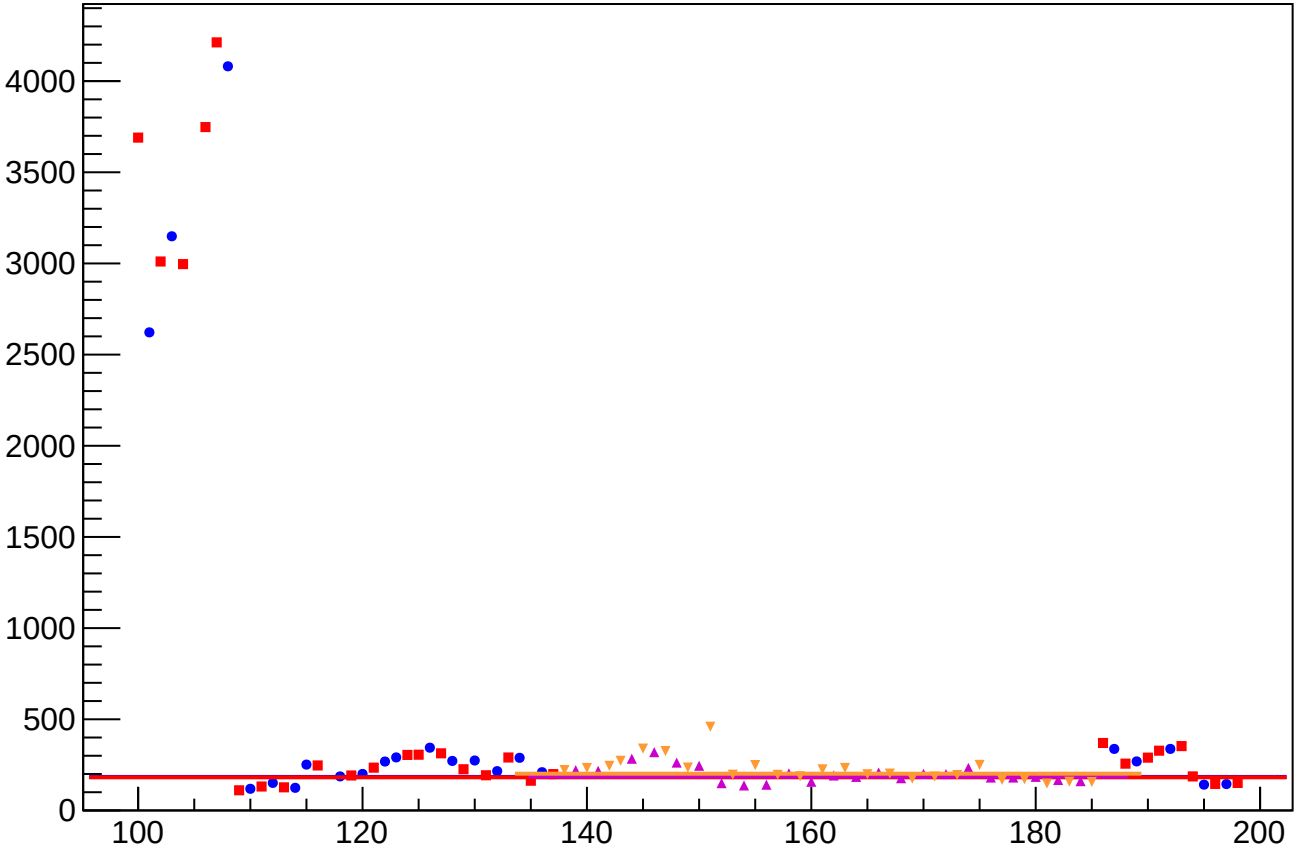
Right: -8.139+/-45.264 χ^2/NDF: 31.6/48

In: 19.837+/-38.259 χ^2/NDF:25.3/44

Out: -13.843+/-38.013 χ^2/NDF:22.6/51

All: 2.888+/-26.966 χ^2/NDF: 48.4/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.753+/-0.048 χ^2/NDF: 4347233.3/21

Left Out: 201.600+/-0.034 χ^2/NDF:1857453.2/24

Right Out: 181.726+/-0.043 χ^2/NDF: 5219444.7/26

Left In: 186.107+/-0.033 χ^2/NDF:1391327.2/22

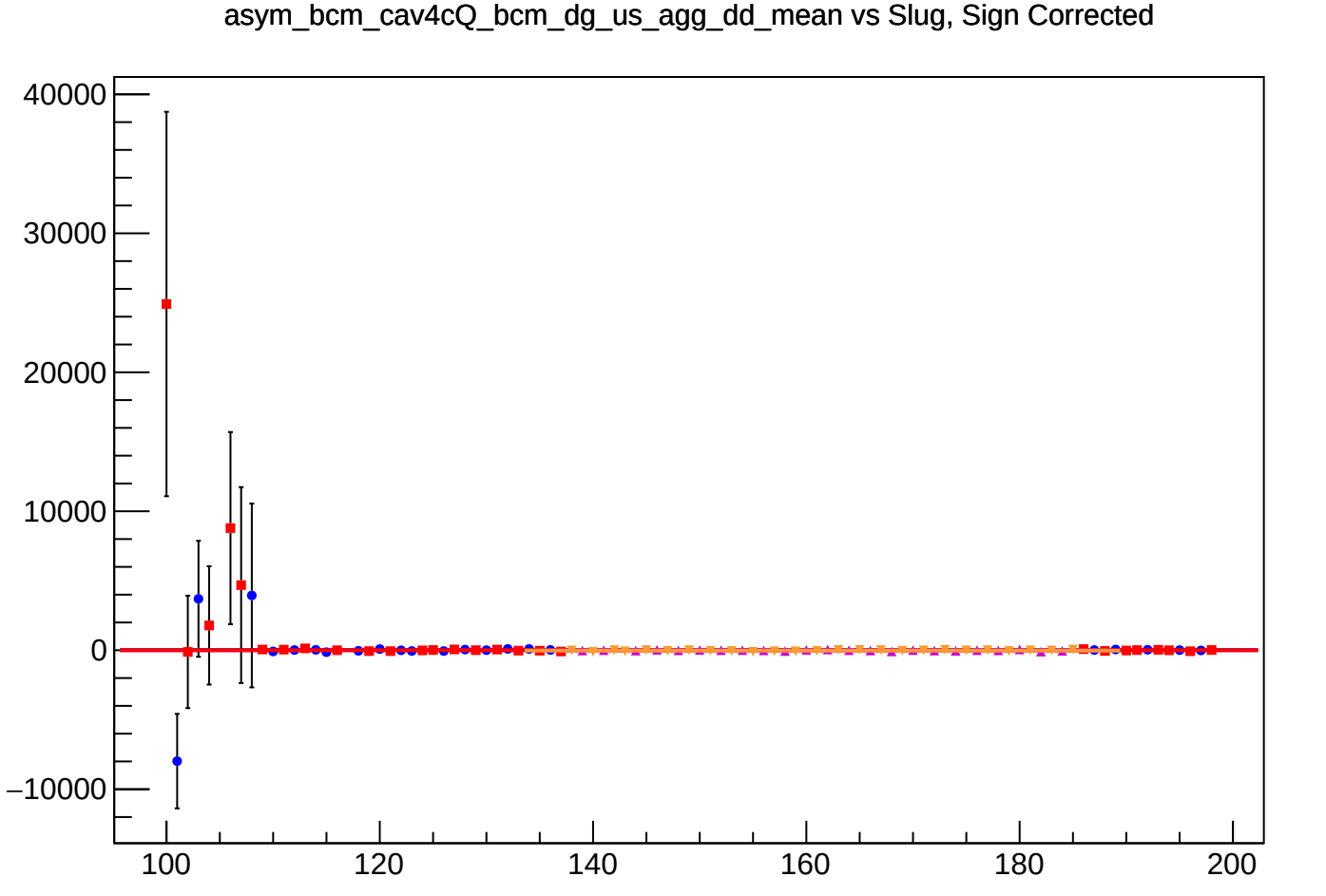
Left: 193.474+/-0.024 χ^2/NDF: 3354998.7/47

Right: 182.631+/-0.032 χ^2/NDF: 9567668.7/48

In: 185.356+/-0.027 χ^2/NDF:5740205.6/44

Out: 193.840+/-0.027 χ^2/NDF:7207010.3/51

All: 189.626+/-0.019 χ^2/NDF: 12996709.8/96



Right In: 11.830+/-11.802 χ^2/NDF: 22.0/21

Left Out: -23.360+/-8.064 χ^2/NDF:25.8/24

Right Out: 2.741+/-10.634 χ^2/NDF: 30.0/26

Left In: -6.001+/-8.309 χ^2/NDF:21.1/22

Left: -14.939+/-5.787 χ^2/NDF: 49.2/47

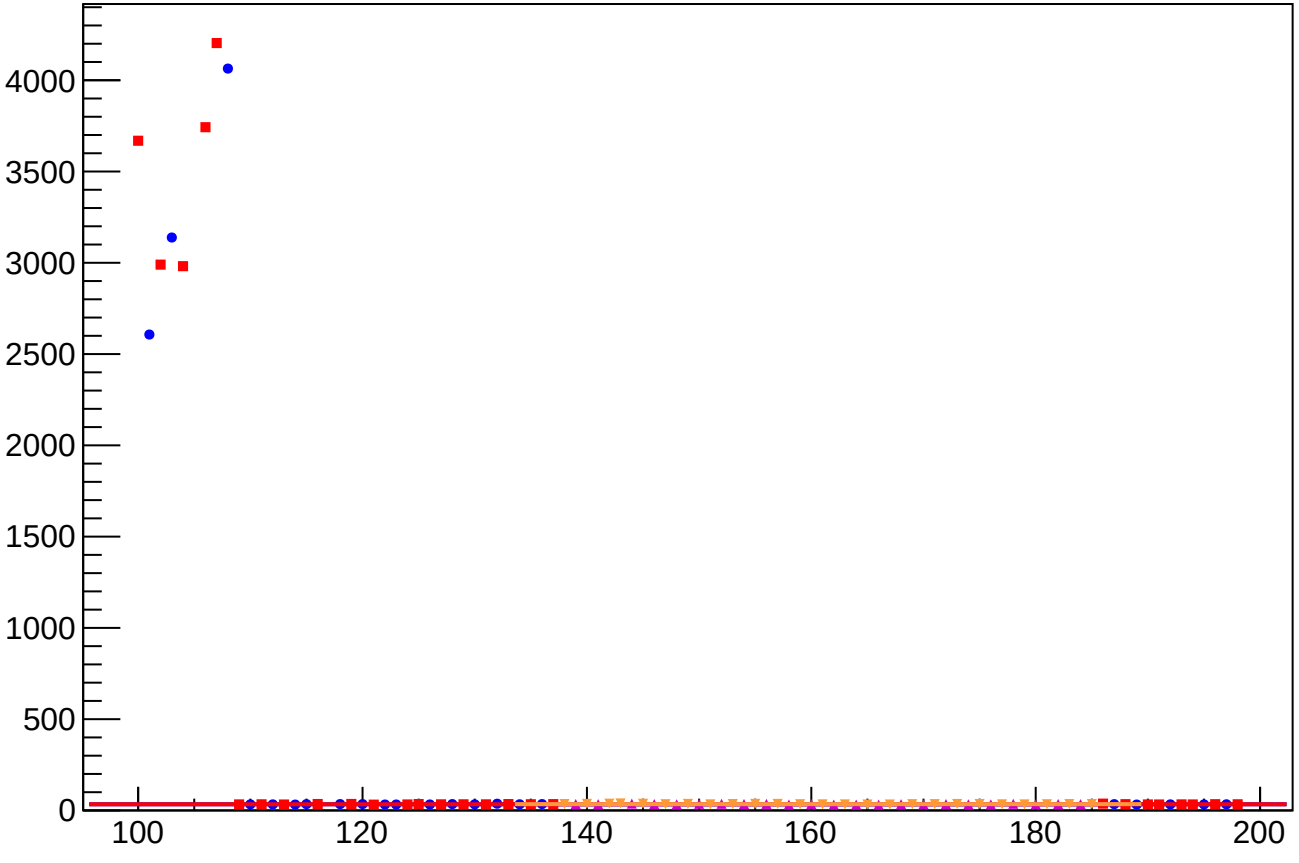
Right: 6.813+/-7.900 χ^2/NDF: 52.3/48

In: -0.092+/-6.794 χ^2/NDF:44.6/44

Out: -13.830+/-6.426 χ^2/NDF:59.7/51

All: -7.344+/-4.668 χ^2/NDF: 106.5/96

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.817+/-0.008 χ^2/NDF: 3011090.8/21

Left Out: 34.614+/-0.006 χ^2/NDF:57946.1/24

Right Out: 33.883+/-0.008 χ^2/NDF: 3462392.9/26

Left In: 34.685+/-0.006 χ^2/NDF:60315.2/22

Left: 34.649+/-0.004 χ^2/NDF: 118335.7/47

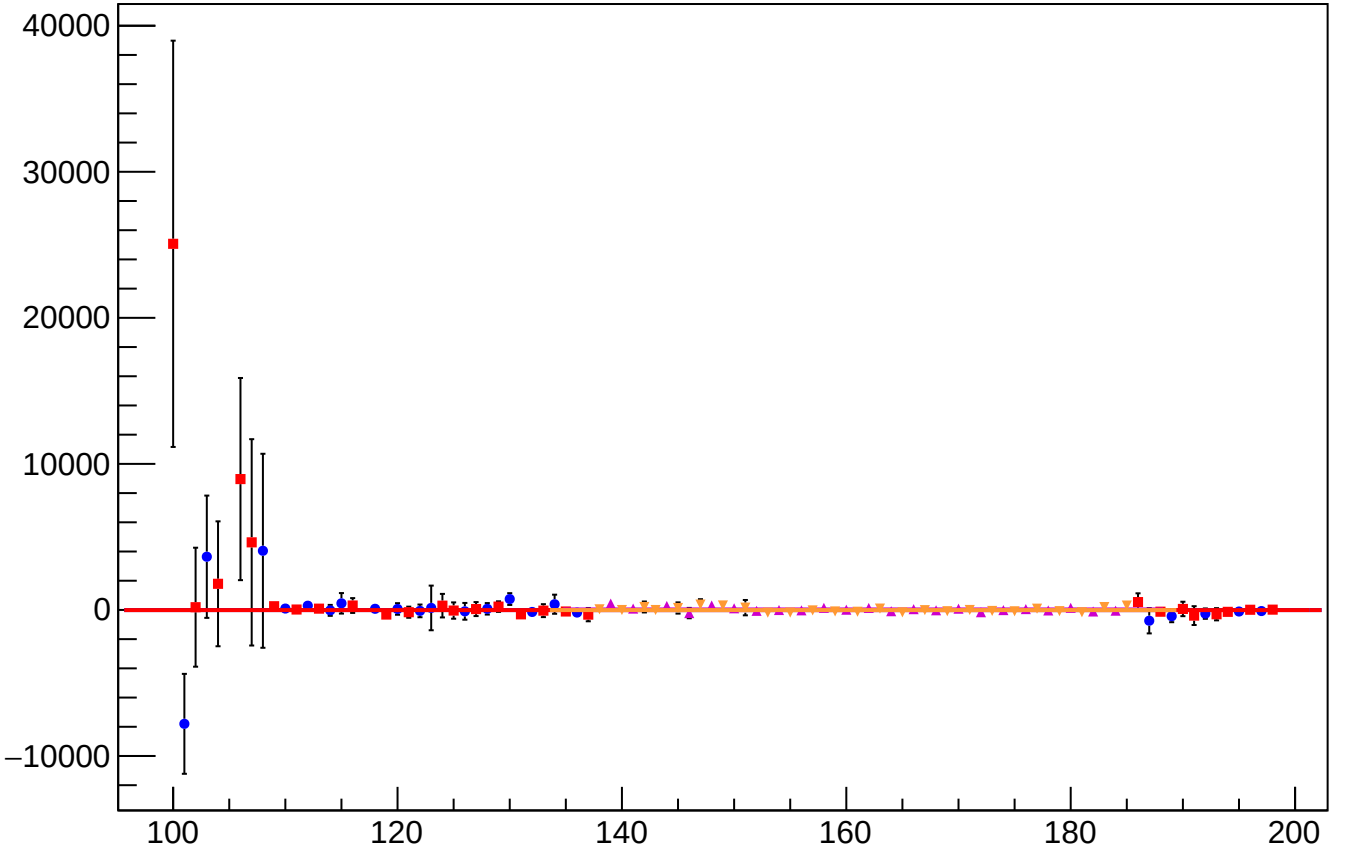
Right: 33.853+/-0.006 χ^2/NDF: 6473517.7/48

In: 34.397+/-0.005 χ^2/NDF:3078637.3/44

Out: 34.347+/-0.005 χ^2/NDF:3526351.0/51

All: 34.371+/-0.003 χ^2/NDF: 6605046.1/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -8.493+/-67.518 χ^2/NDF: 16.5/21

Left Out: -8.916+/-48.615 χ^2/NDF:8.6/24

Right Out: -11.395+/-60.549 χ^2/NDF: 13.3/26

Left In: 34.127+/-46.296 χ^2/NDF:7.4/22

Left: 13.656+/-33.526 χ^2/NDF: 16.5/47

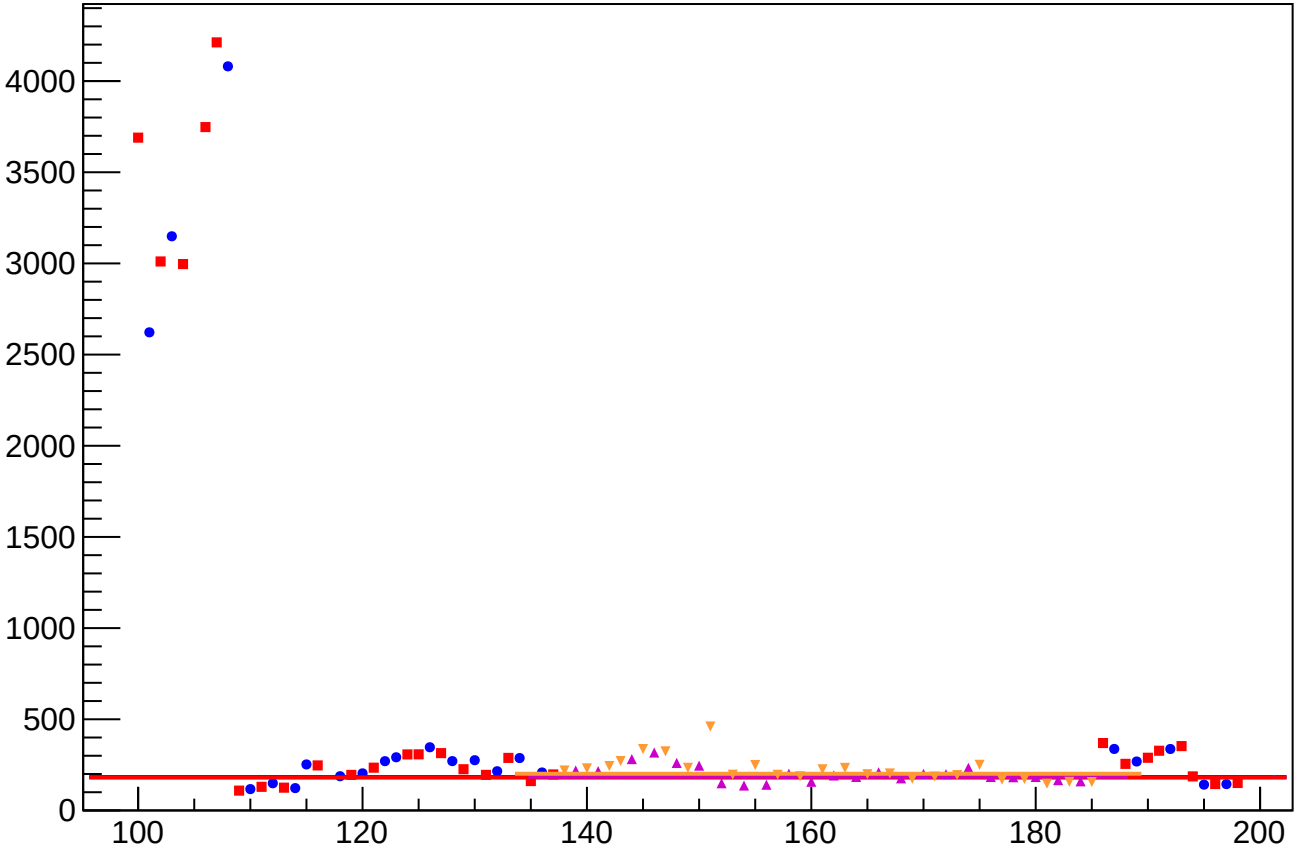
Right: -10.102+/-45.078 χ^2/NDF: 29.8/48

In: 20.497+/-38.182 χ^2/NDF:24.2/44

Out: -9.888+/-37.908 χ^2/NDF:21.9/51

All: 5.195+/-26.902 χ^2/NDF: 46.4/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.953+/-0.048 χ^2/NDF: 4379203.2/21

Left Out: 201.296+/-0.034 χ^2/NDF:1851134.1/24

Right Out: 180.596+/-0.043 χ^2/NDF: 5272861.7/26

Left In: 185.854+/-0.033 χ^2/NDF:1381771.9/22

Left: 193.198+/-0.024 χ^2/NDF: 3338733.9/47

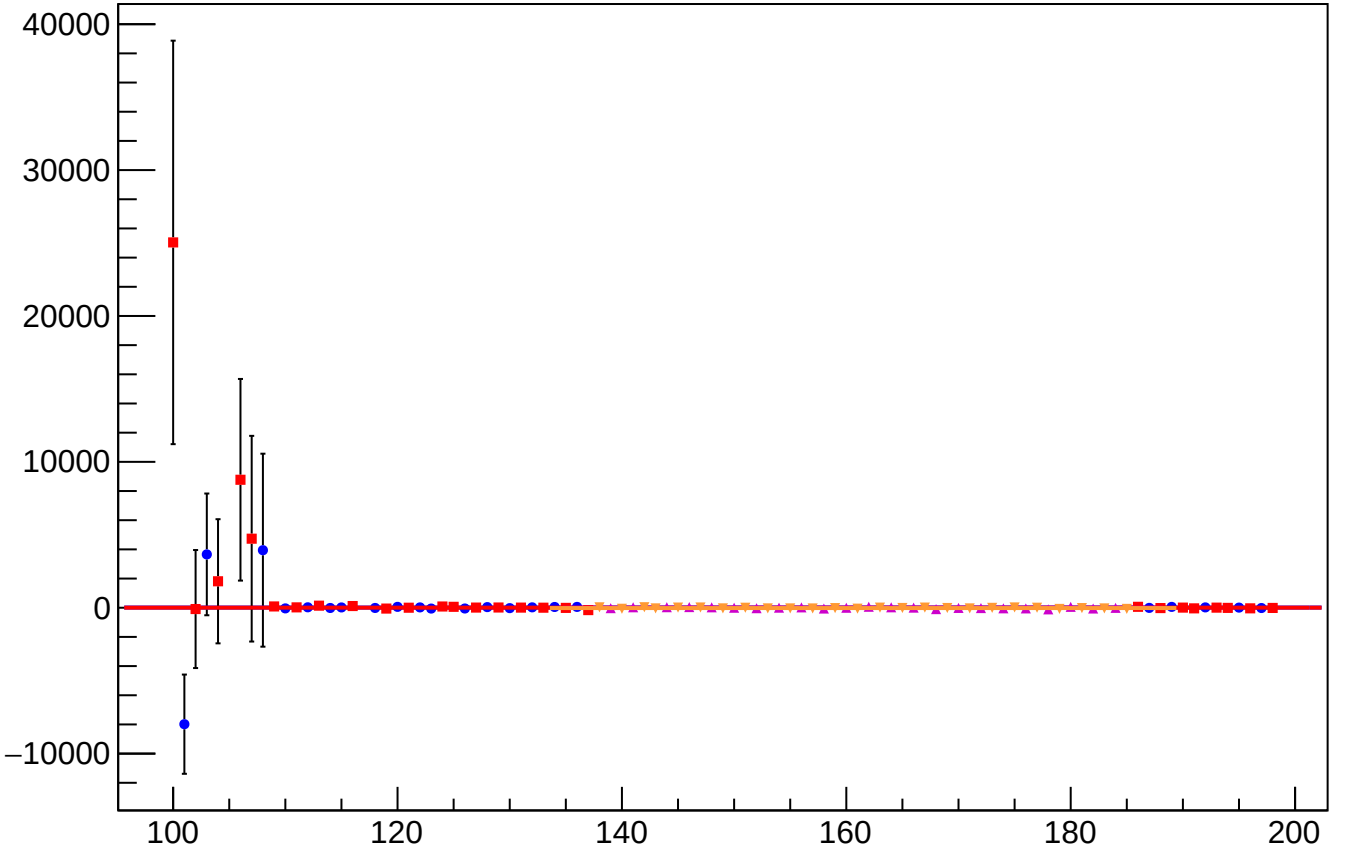
Right: 181.647+/-0.032 χ^2/NDF: 9653415.1/48

In: 184.926+/-0.027 χ^2/NDF:5763486.6/44

Out: 193.183+/-0.027 χ^2/NDF:7266123.5/51

All: 189.084+/-0.019 χ^2/NDF: 13076706.6/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.545+/-10.718 χ^2/NDF: 16.7/21

Left Out: -22.879+/-7.340 χ^2/NDF:18.8/24

Right Out: 5.237+/-9.654 χ^2/NDF: 34.2/26

Left In: -5.943+/-7.550 χ^2/NDF:38.3/22

Left: -14.649+/-5.263 χ^2/NDF: 59.7/47

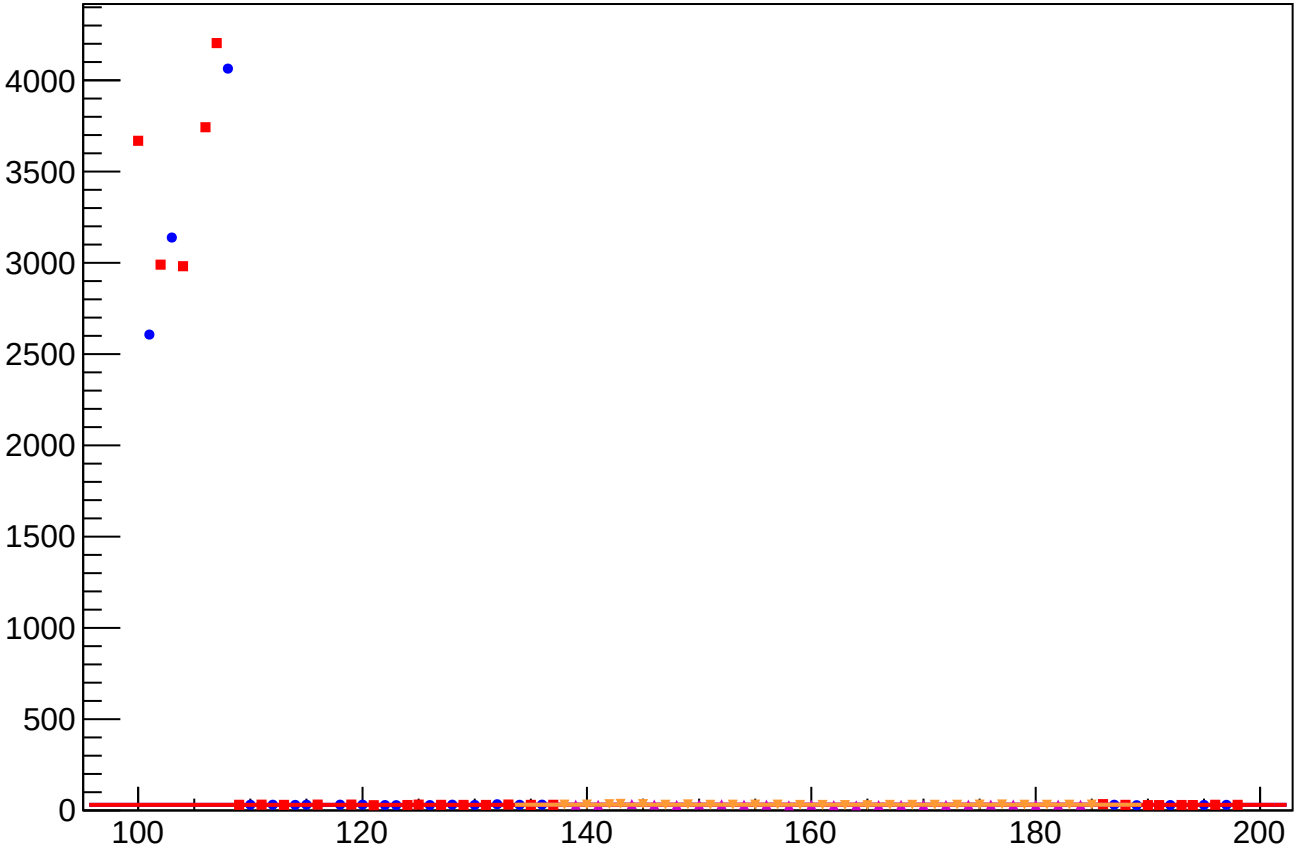
Right: 8.510+/-7.173 χ^2/NDF: 51.2/48

In: 0.188+/-6.172 χ^2/NDF:57.0/44

Out: -12.579+/-5.843 χ^2/NDF:58.3/51

All: -6.545+/-4.243 χ^2/NDF: 117.6/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.701+/-0.008 χ^2/NDF: 3023814.4/21

Left Out: 31.482+/-0.005 χ^2/NDF:82437.2/24

Right Out: 30.731+/-0.007 χ^2/NDF: 3475769.8/26

Left In: 31.484+/-0.005 χ^2/NDF:87981.1/22

Left: 31.483+/-0.004 χ^2/NDF: 170418.5/47

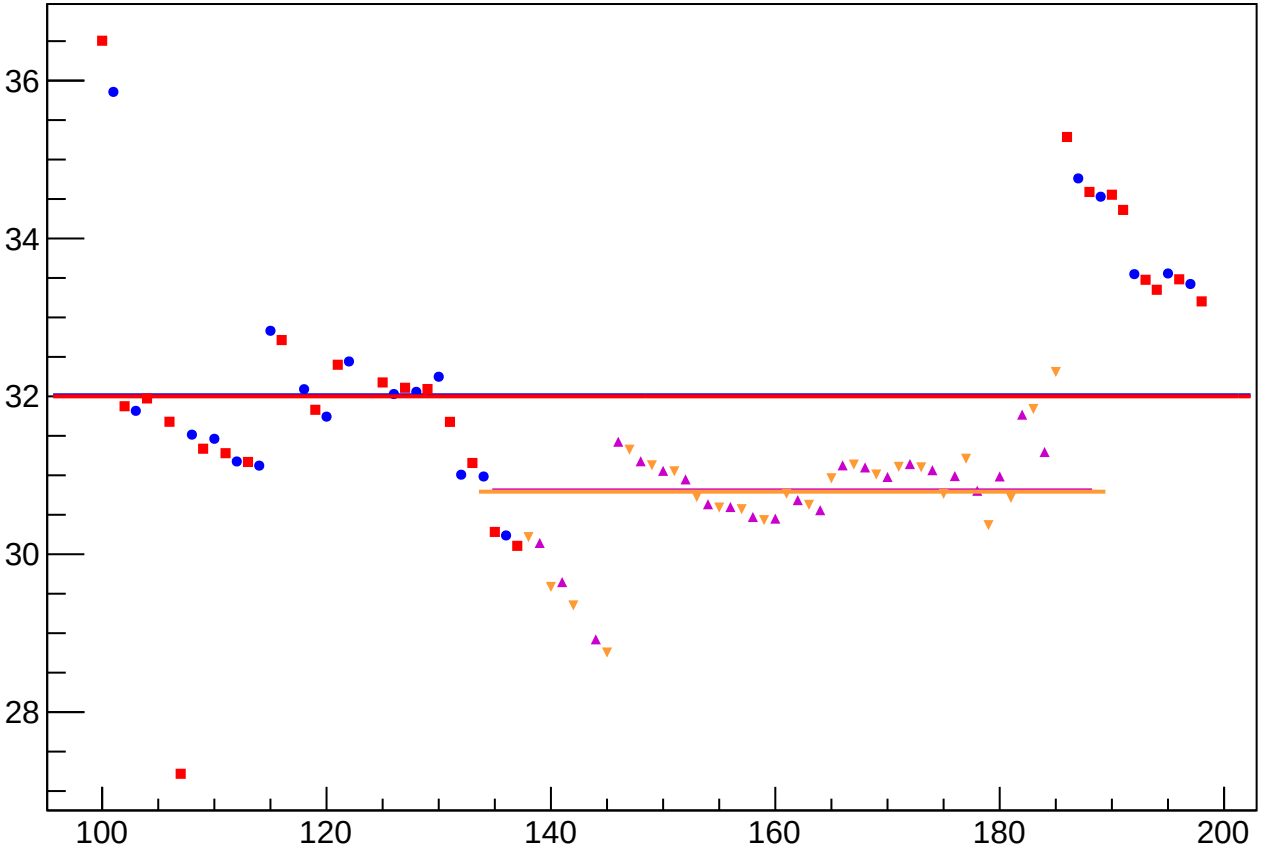
Right: 30.718+/-0.005 χ^2/NDF: 6499592.6/48

In: 31.225+/-0.004 χ^2/NDF:3118930.4/44

Out: 31.207+/-0.004 χ^2/NDF:3565873.8/51

All: 31.215+/-0.003 χ^2/NDF: 6684813.3/96

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.014+/-0.000 χ^2/NDF: 2025035730.1/20

Left Out: 30.793+/-0.000 χ^2/NDF:1007261340.7/23

Right Out: 32.000+/-0.000 χ^2/NDF: 1936631376.6/25

Left In: 30.809+/-0.000 χ^2/NDF:821961762.3/22

Left: 30.801+/-0.000 χ^2/NDF: 1829591088.1/46

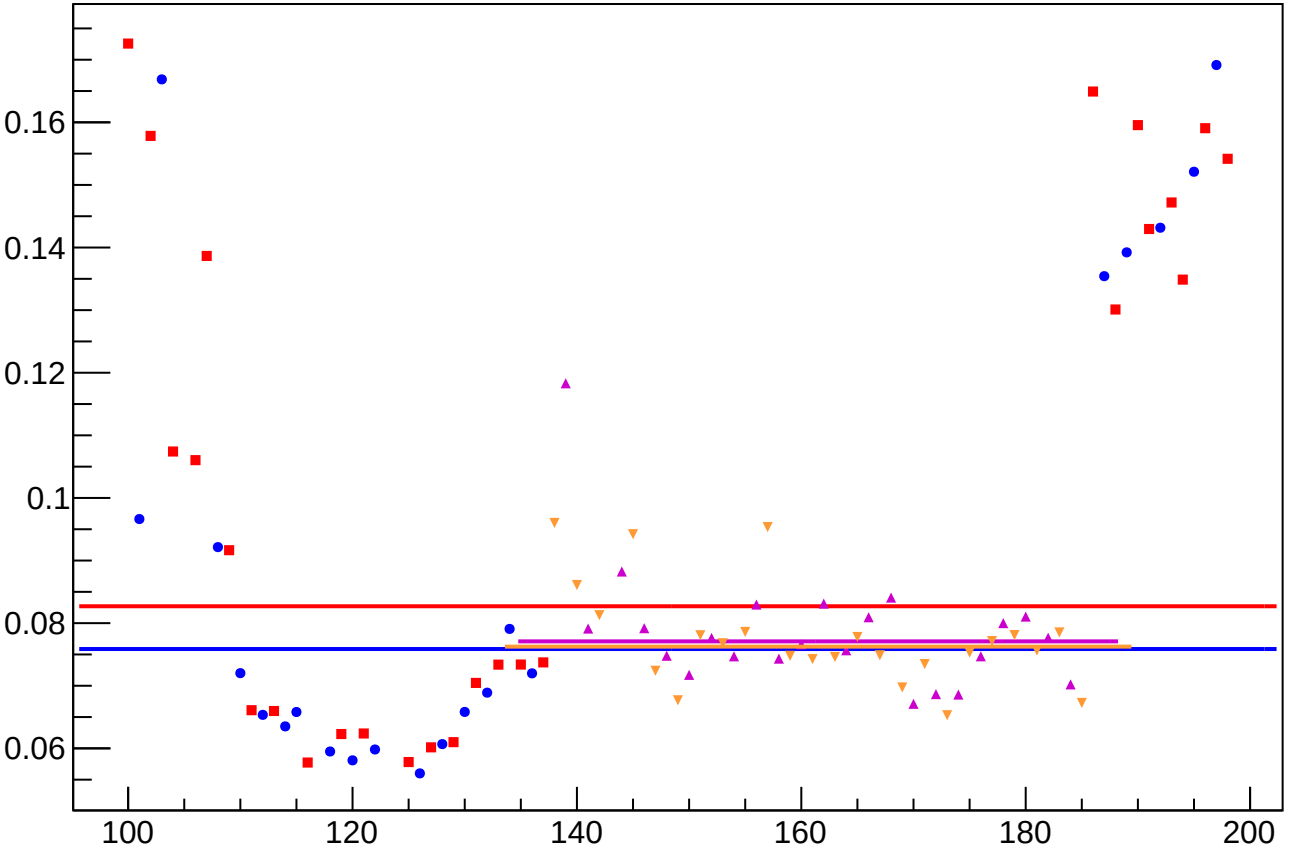
Right: 32.007+/-0.000 χ^2/NDF: 3961795785.7/46

In: 31.219+/-0.000 χ^2/NDF:4163942070.4/43

Out: 31.203+/-0.000 χ^2/NDF:4309691728.6/49

All: 31.211+/-0.000 χ^2/NDF: 8474211057.2/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 2246677.1/20

Left Out: 0.076+/-0.000 χ^2/NDF:277876.5/23

Right Out: 0.083+/-0.000 χ^2/NDF: 3059283.8/25

Left In: 0.077+/-0.000 χ^2/NDF:325844.3/22

Left: 0.077+/-0.000 χ^2/NDF: 605642.6/46

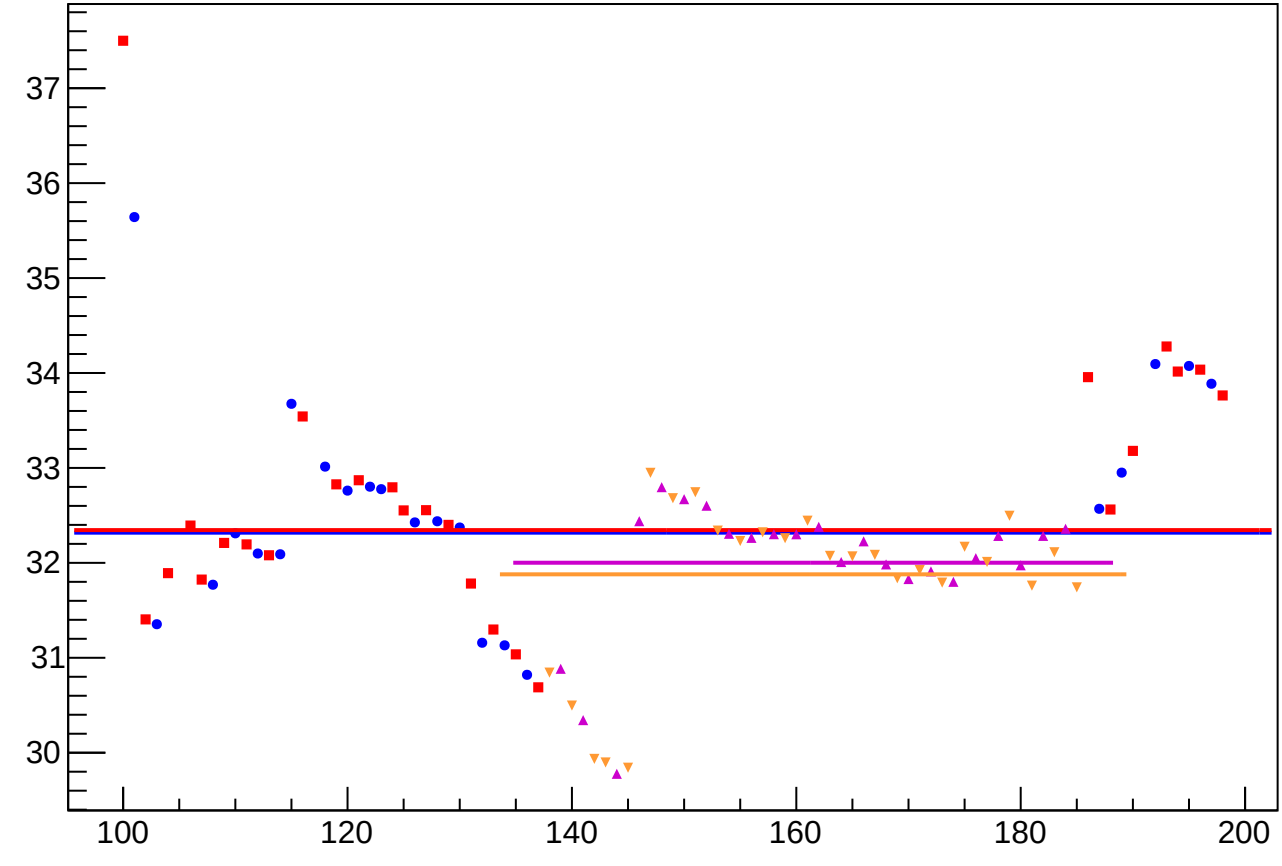
Right: 0.079+/-0.000 χ^2/NDF: 5371140.6/46

In: 0.077+/-0.000 χ^2/NDF:2575240.2/43

Out: 0.078+/-0.000 χ^2/NDF:3415075.0/49

All: 0.078+/-0.000 χ^2/NDF: 6003100.5/93

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.318+/-0.000 χ^2/NDF: 1167260775.4/21

Left Out: 31.879+/-0.000 χ^2/NDF:1976281391.1/24

Right Out: 32.345+/-0.000 χ^2/NDF: 705013116.3/25

Left In: 32.001+/-0.000 χ^2/NDF:1411110671.9/22

Left: 31.939+/-0.000 χ^2/NDF: 3408370857.8/47

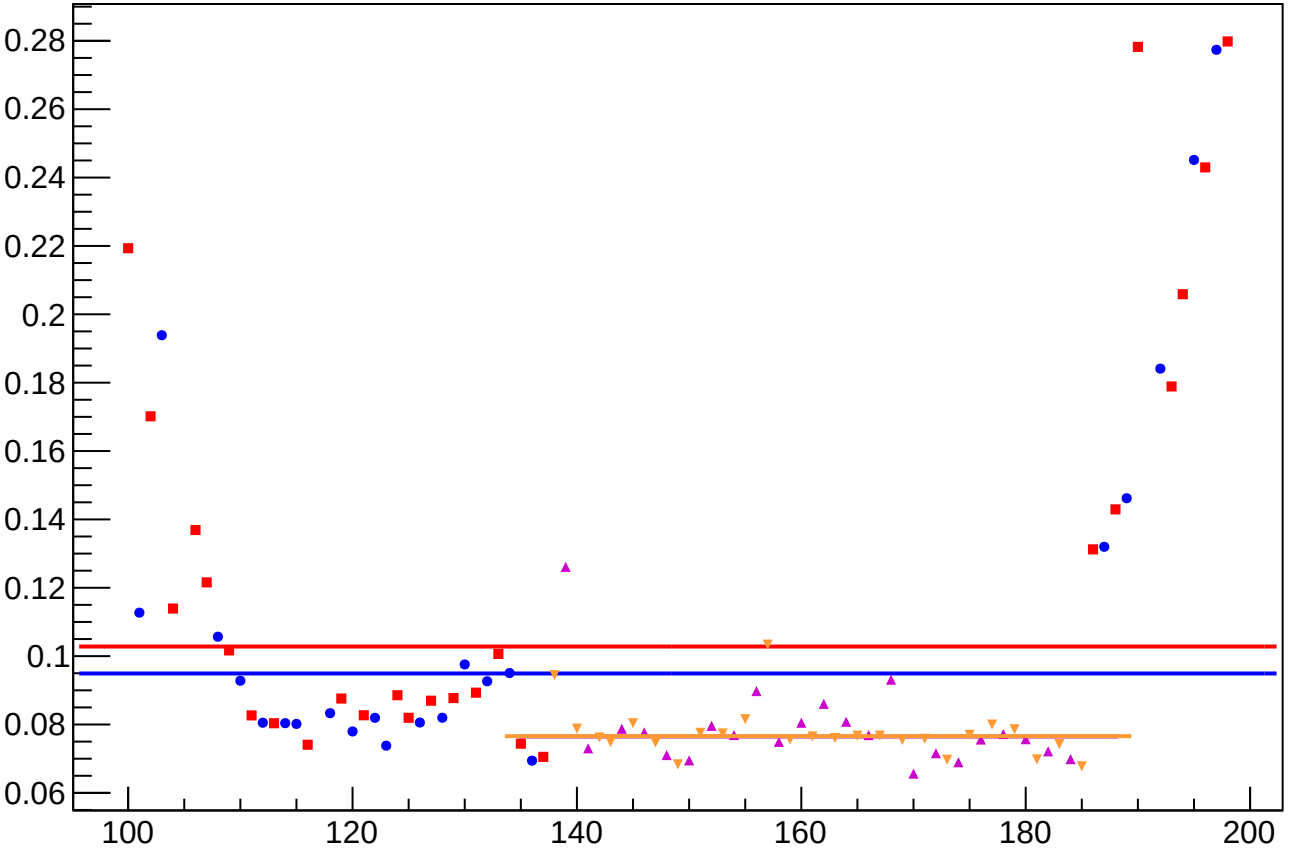
Right: 32.332+/-0.000 χ^2/NDF: 1872589830.1/47

In: 32.077+/-0.000 χ^2/NDF:2644006588.8/44

Out: 31.990+/-0.000 χ^2/NDF:2829203825.1/50

All: 32.032+/-0.000 χ^2/NDF: 5487233573.9/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.095+/-0.000 χ^2/NDF: 2416773.9/21

Left Out: 0.077+/-0.000 χ^2/NDF:209648.5/24

Right Out: 0.103+/-0.000 χ^2/NDF: 3022037.7/25

Left In: 0.076+/-0.000 χ^2/NDF:432563.3/22

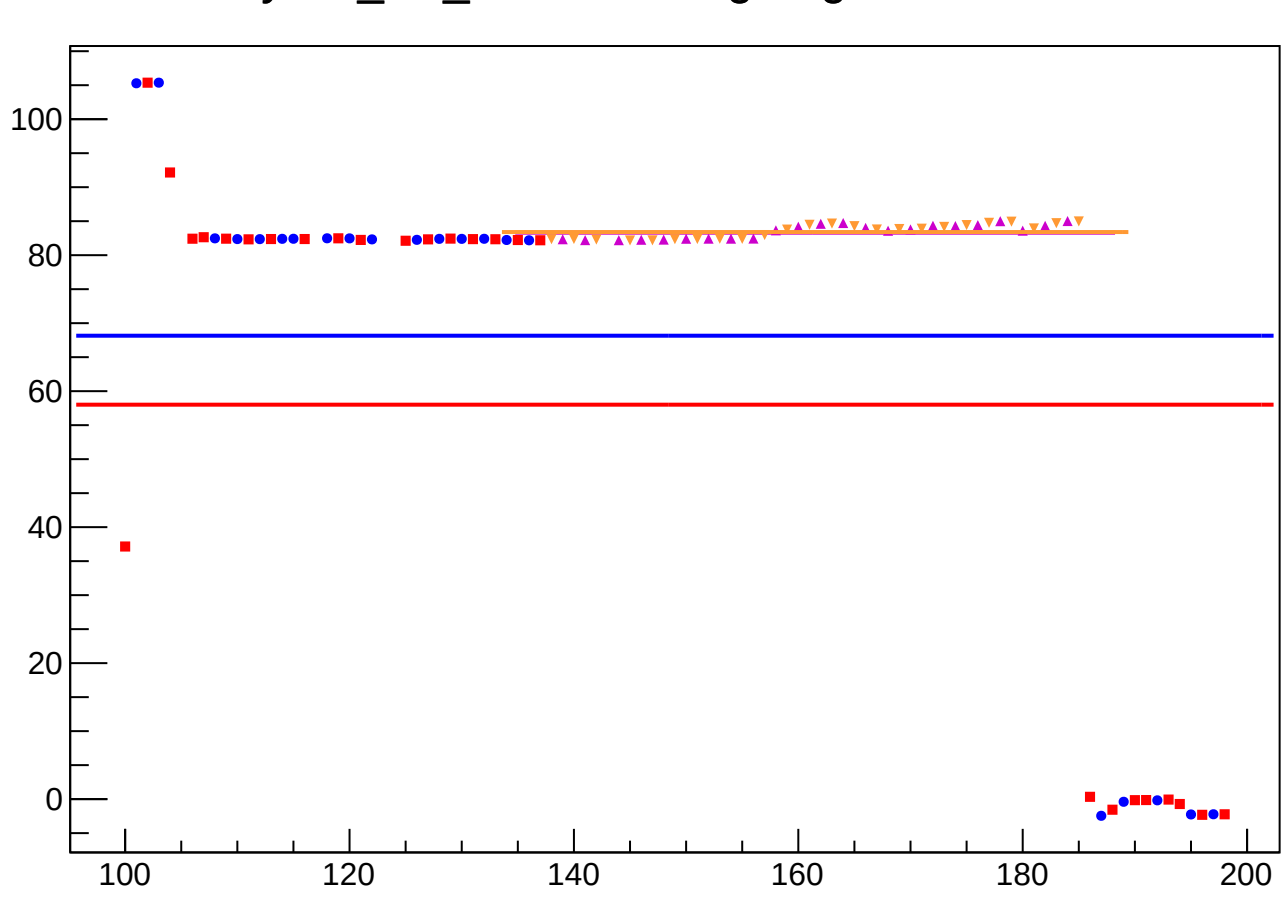
Left: 0.077+/-0.000 χ^2/NDF: 642235.6/47

Right: 0.099+/-0.000 χ^2/NDF: 5493200.9/47

In: 0.081+/-0.000 χ^2/NDF:3293768.3/44

Out: 0.083+/-0.000 χ^2/NDF:4169175.0/50

All: 0.082+/-0.000 χ^2/NDF: 7476484.7/95



Right In: 68.156+/-0.000 χ^2/NDF: 6325914552134.7/20

Left Out: 83.402+/-0.000 χ^2/NDF:8756634444.3/23

Right Out: 58.013+/-0.000 χ^2/NDF: 9167818205039.6/25

Left In: 83.309+/-0.000 χ^2/NDF:8421247810.9/22

Left: 83.355+/-0.000 χ^2/NDF: 17213898269.1/46

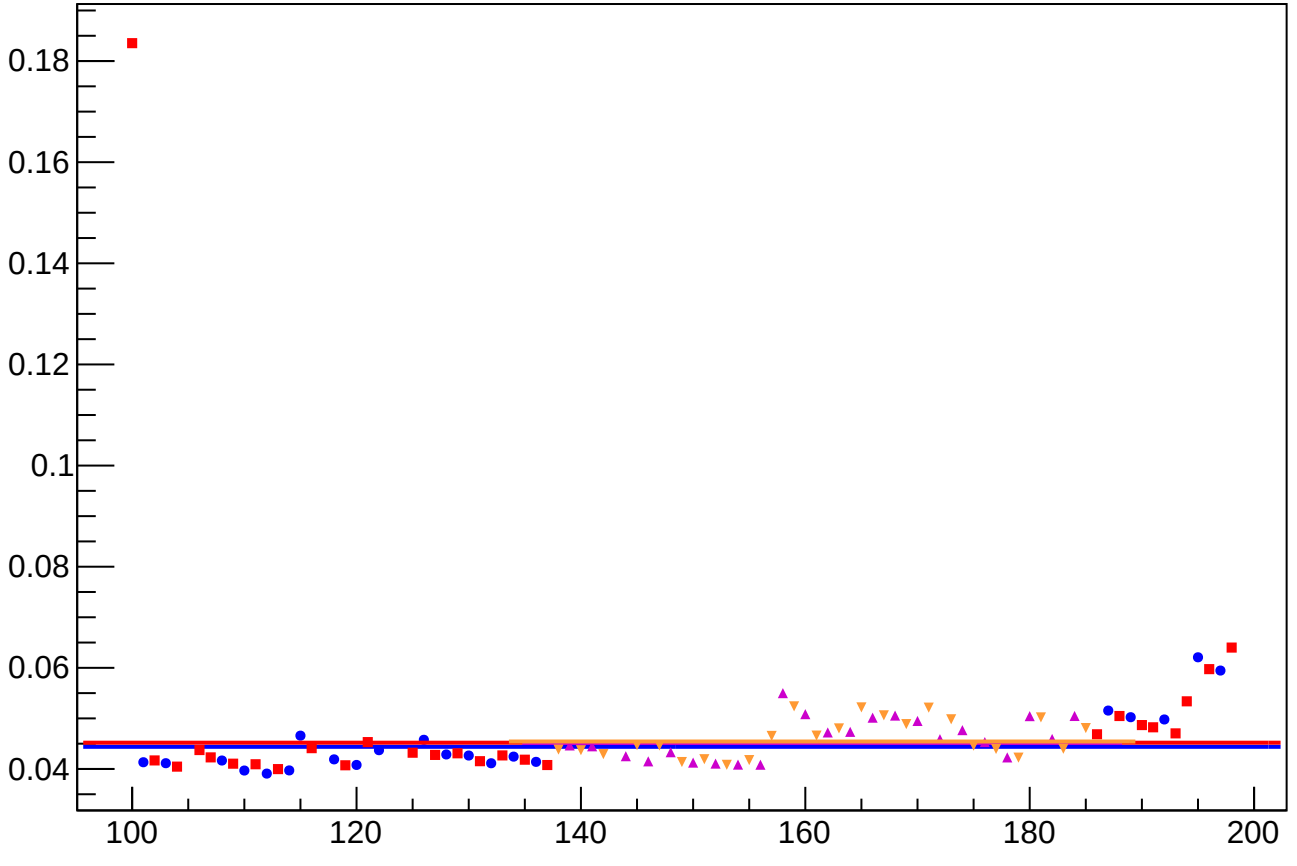
Right: 62.637+/-0.000 χ^2/NDF: 15759692715226.2/

In: 77.801+/-0.000 χ^2/NDF:7028669402638.2/43

Out: 73.088+/-0.000 χ^2/NDF:11346572177120.0/4

All: 75.367+/-0.000 χ^2/NDF: 185251172708

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 333217.0/20

Left Out: 0.045+/-0.000 χ^2/NDF:206685.9/23

Right Out: 0.045+/-0.000 χ^2/NDF: 466490.8/25

Left In: 0.045+/-0.000 χ^2/NDF:242885.4/22

Left: 0.045+/-0.000 χ^2/NDF: 450258.5/46

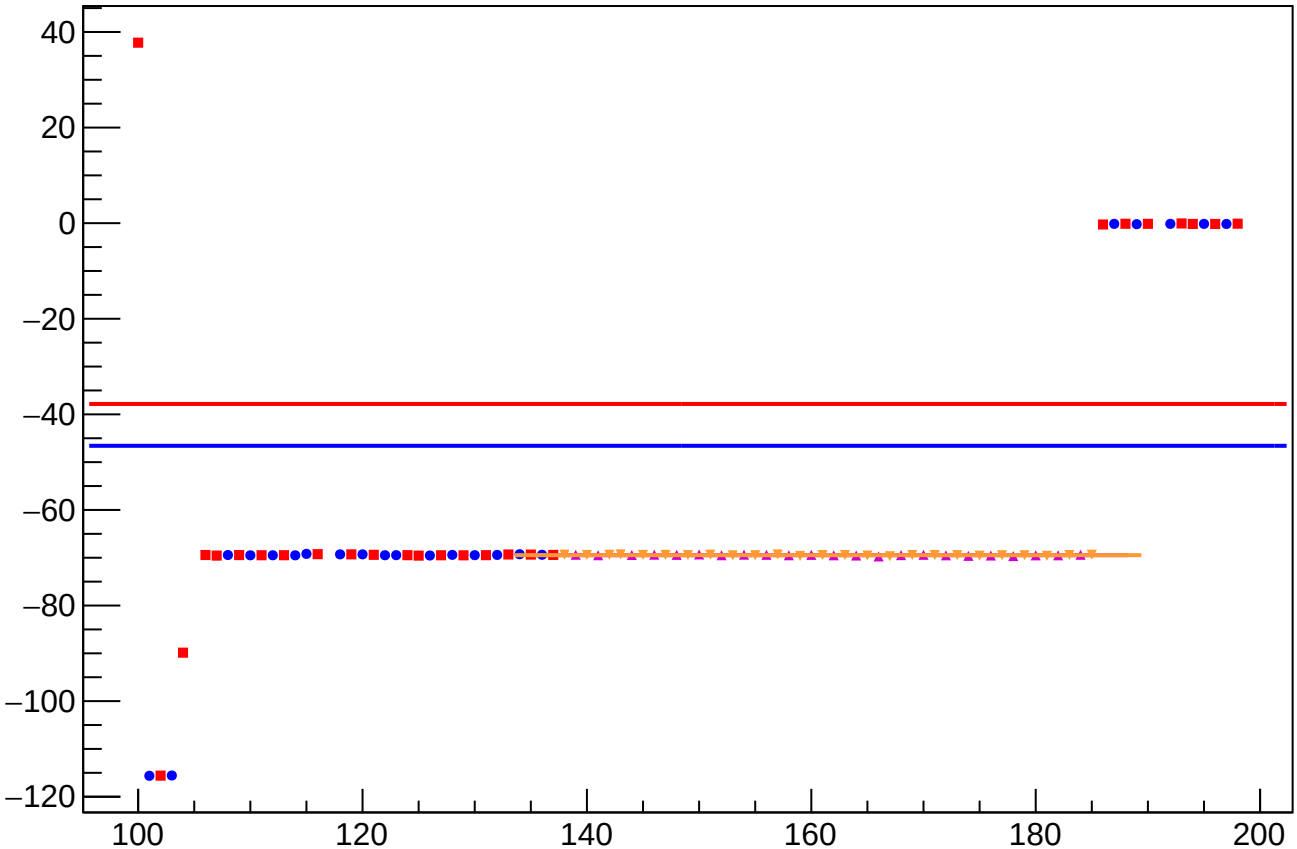
Right: 0.045+/-0.000 χ^2/NDF: 803143.8/46

In: 0.045+/-0.000 χ^2/NDF:579604.8/43

Out: 0.045+/-0.000 χ^2/NDF:673543.4/49

All: 0.045+/-0.000 χ^2/NDF: 1256123.7/93

yield_dsr_mean vs Slug, Sign Corrected



Right In: -46.579+/-0.000 χ^2/NDF: 5046530675164.5/21

Left Out: -69.461+/-0.000 χ^2/NDF:49572401.9/24

Right Out: -37.824+/-0.000 χ^2/NDF: 5948035510831.5/25

Left In: -69.458+/-0.000 χ^2/NDF:52798704.3/22

Left: -69.460+/-0.000 χ^2/NDF: 102399164.0/47

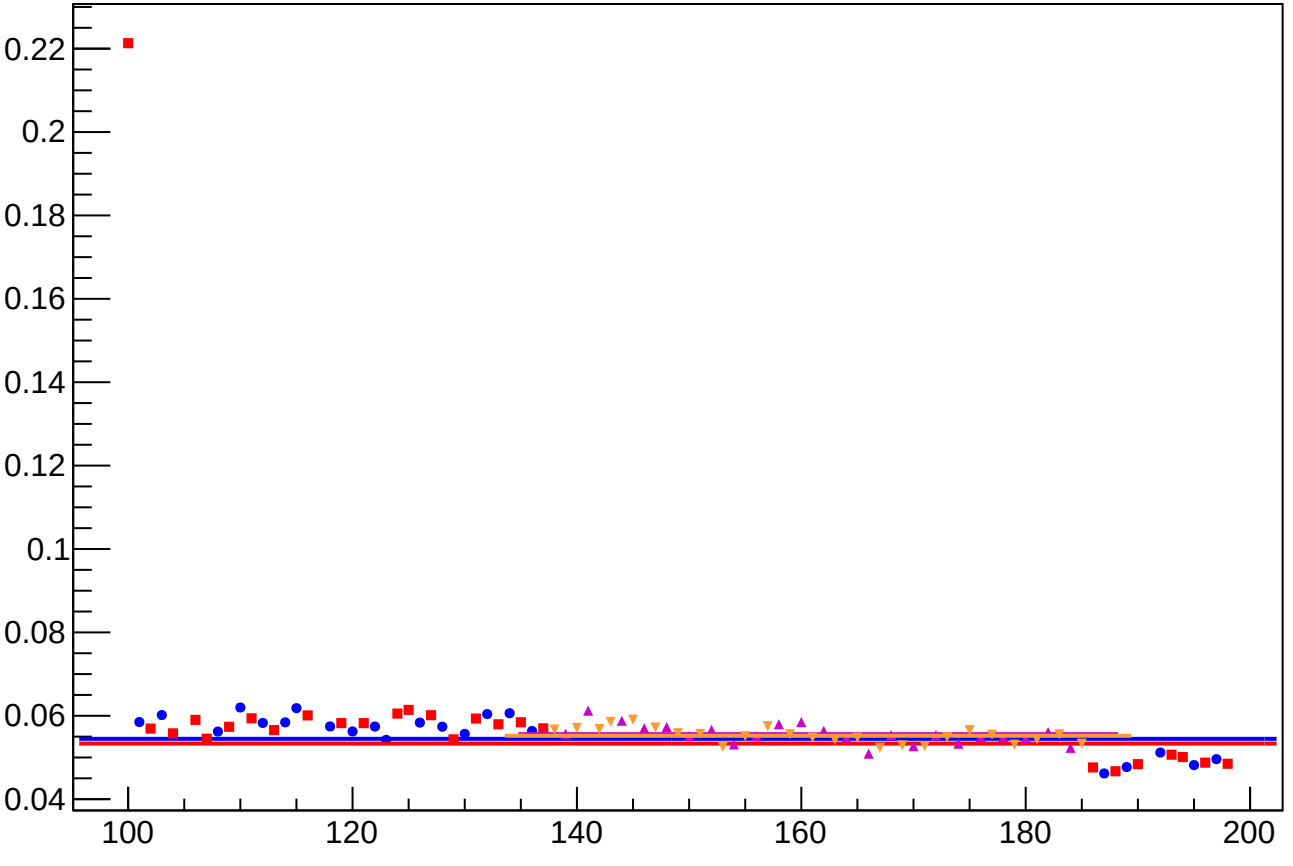
Right: -41.675+/-0.000 χ^2/NDF: 11130395734569.1

In: -61.056+/-0.000 χ^2/NDF:6094240297773.9/44

Out: -56.533+/-0.000 χ^2/NDF:8332722820599.9/5

All: -58.642+/-0.000 χ^2/NDF: 145209963218

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.054+/-0.000 χ^2/NDF: 135703.5/21

Left Out: 0.055+/-0.000 χ^2/NDF:38761.8/24

Right Out: 0.053+/-0.000 χ^2/NDF: 265668.4/25

Left In: 0.056+/-0.000 χ^2/NDF:52190.5/22

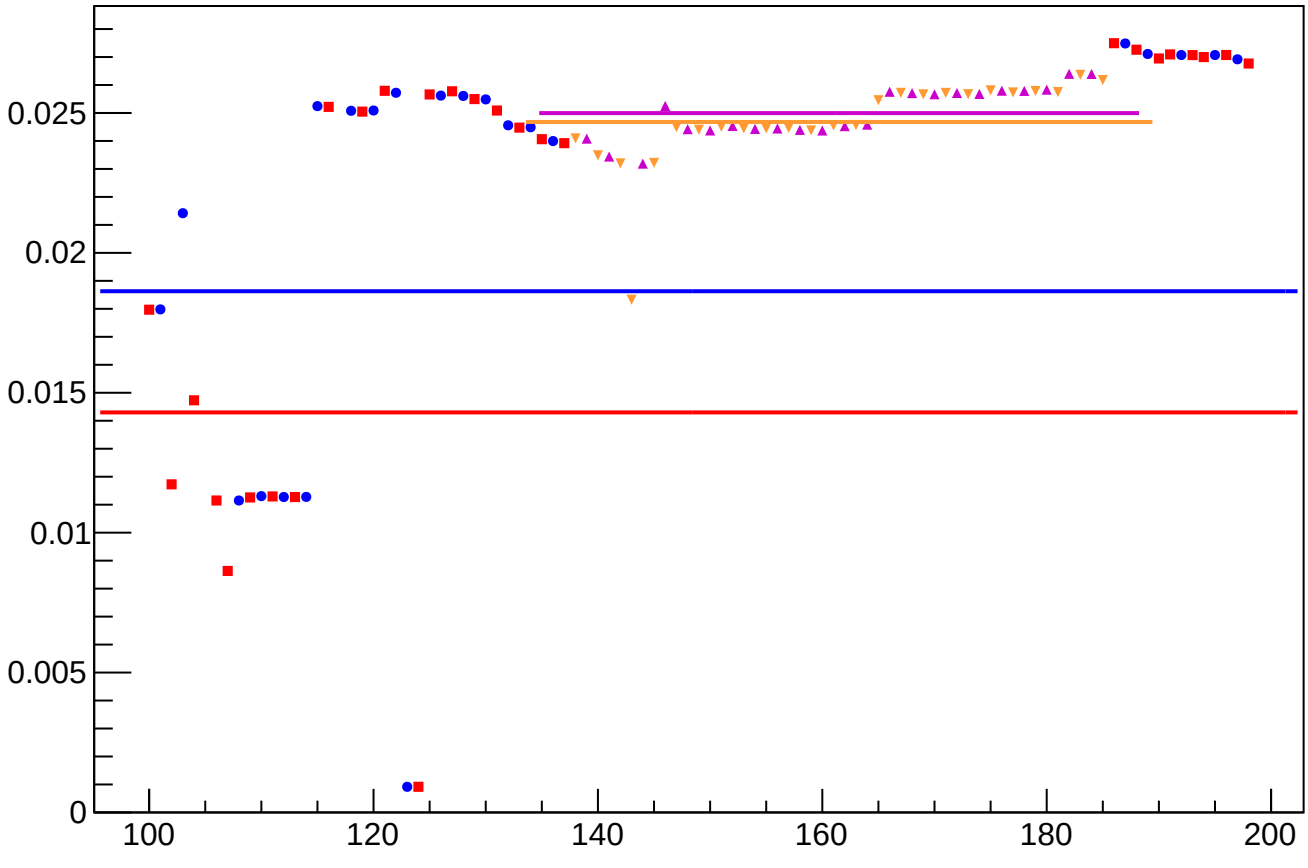
Left: 0.055+/-0.000 χ^2/NDF: 91784.6/47

Right: 0.054+/-0.000 χ^2/NDF: 406024.3/47

In: 0.055+/-0.000 χ^2/NDF:192898.1/44

Out: 0.054+/-0.000 χ^2/NDF:321262.7/50

All: 0.055+/-0.000 χ^2/NDF: 519219.7/95



Right In: 0.019+/-0.000 χ^2/NDF: 155378972704.0/21

Left Out: 0.025+/-0.000 χ^2/NDF:9641065555.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 346724237485.9/26

Left In: 0.025+/-0.000 χ^2/NDF:2462473687.7/22

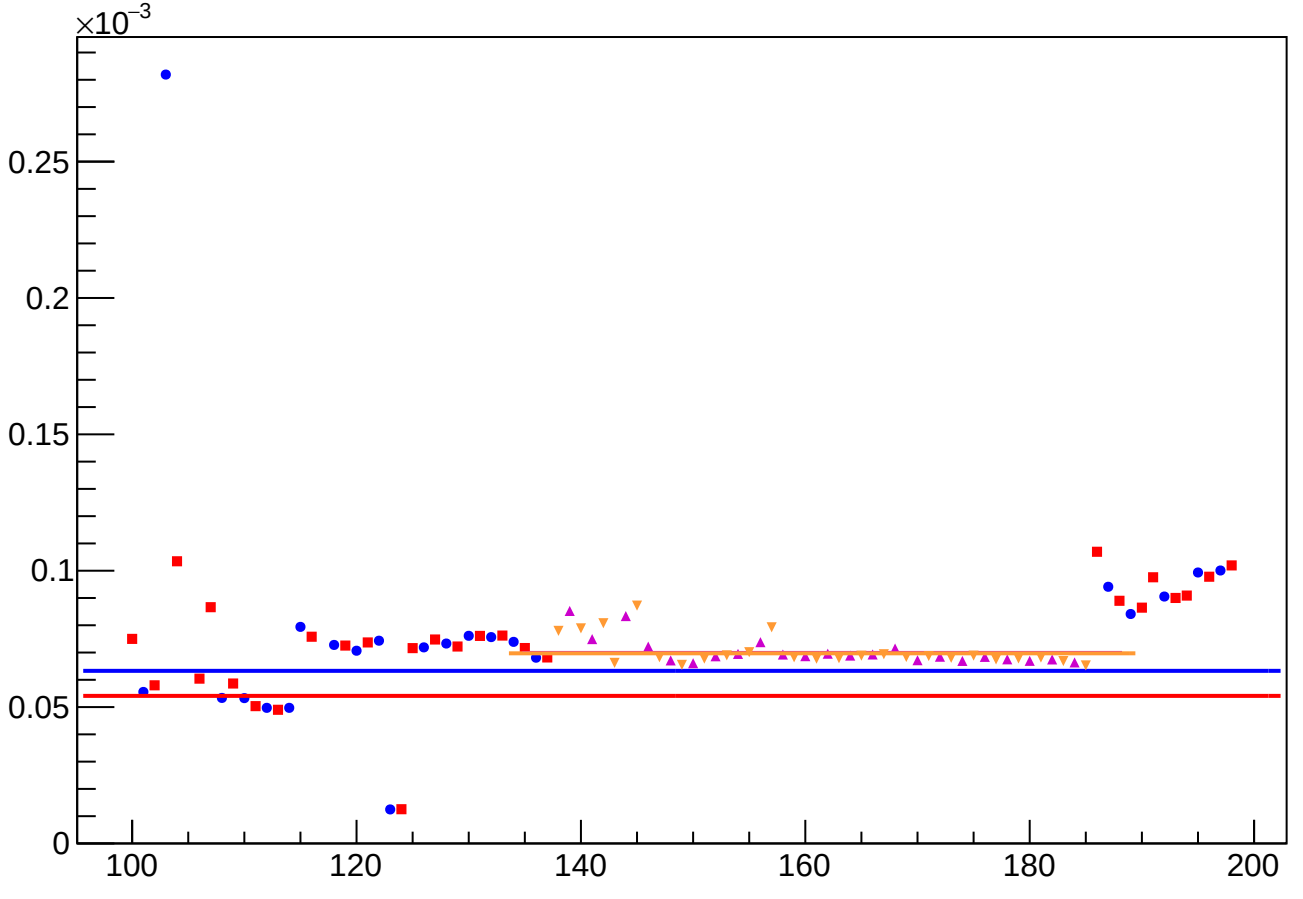
Left: 0.025+/-0.000 χ^2/NDF: 12284812437.7/47

Right: 0.016+/-0.000 χ^2/NDF: 524596768716.3/48

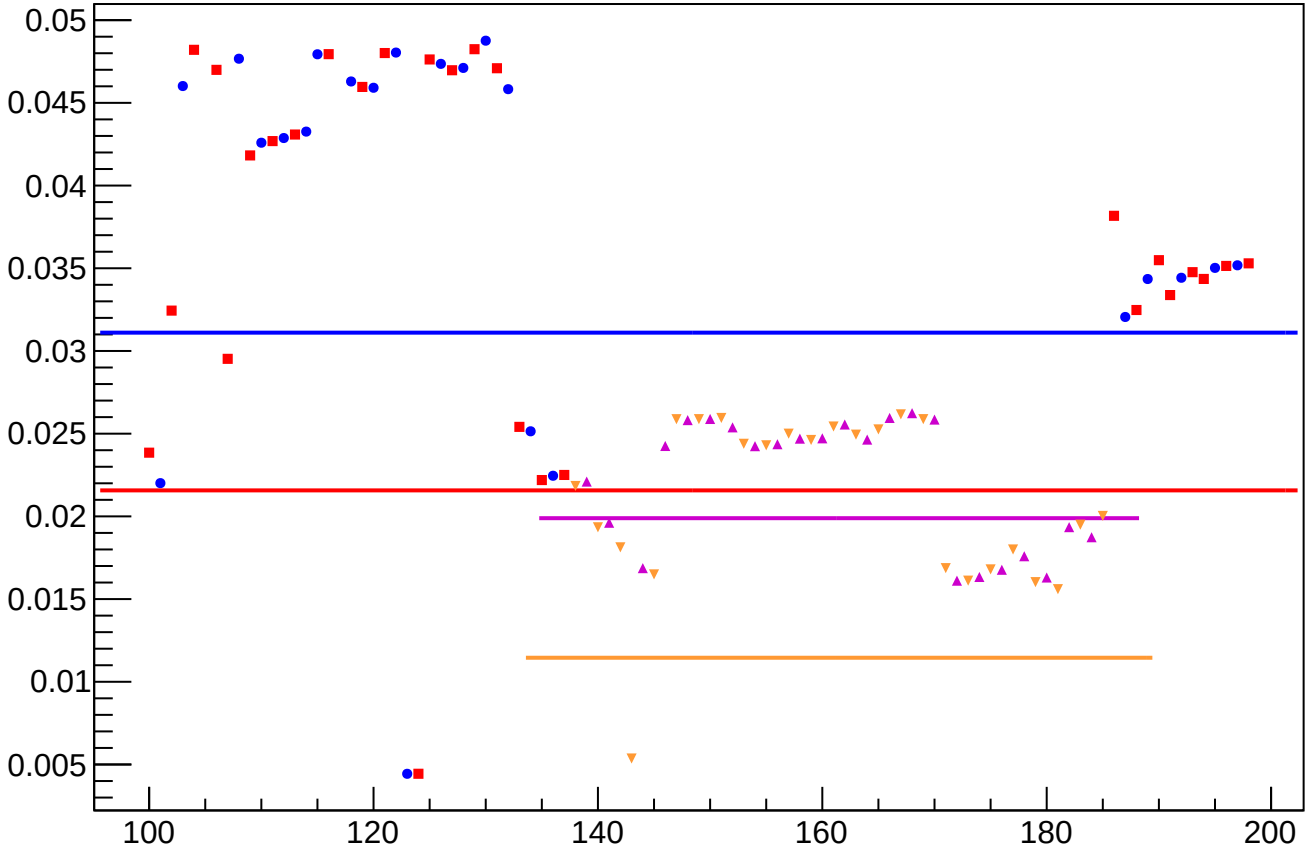
In: 0.023+/-0.000 χ^2/NDF:209842627821.4/44

Out: 0.020+/-0.000 χ^2/NDF:533802718233.8/51

All: 0.021+/-0.000 χ^2/NDF: 764001452302.9


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2788994.8/21
Left Out: 0.000+/-0.000 χ²/NDF:158125.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5810962.7/26
Left In: 0.000+/-0.000 χ²/NDF:129289.8/22
Left: 0.000+/-0.000 χ²/NDF: 287487.6/47
Right: 0.000+/-0.000 χ²/NDF: 8802038.0/48
In: 0.000+/-0.000 χ²/NDF:3029021.8/44
Out: 0.000+/-0.000 χ²/NDF:6771178.5/51
All: 0.000+/-0.000 χ²/NDF: 9931576.6/96

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 21189714048.5/21

Left Out: 0.011+/-0.000 χ^2/NDF:40294472965.0/24

Right Out: 0.022+/-0.000 χ^2/NDF: 42480381897.9/26

Left In: 0.020+/-0.000 χ^2/NDF:4458790813.3/22

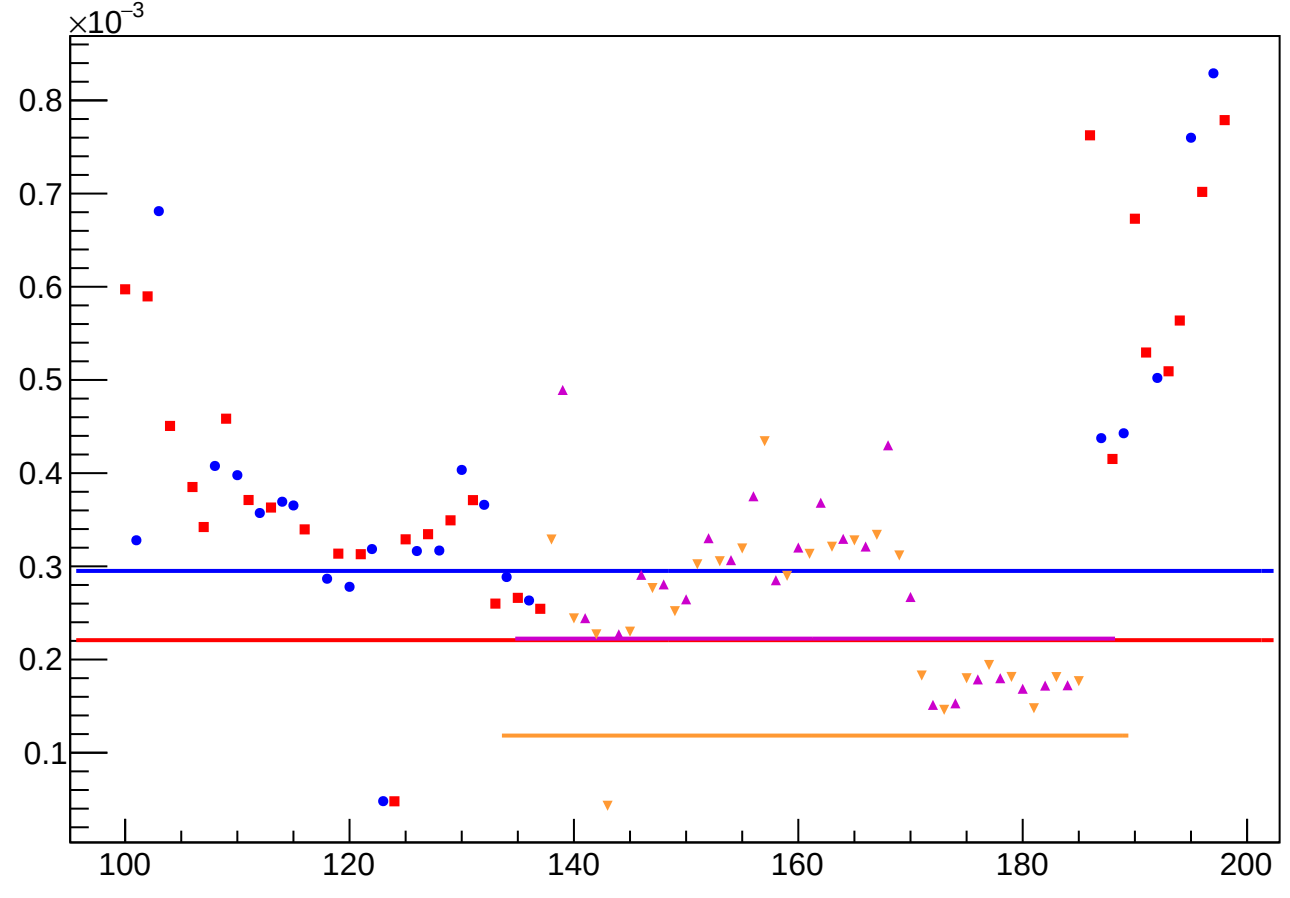
Left: 0.014+/-0.000 χ^2/NDF: 59527747529.2/47

Right: 0.025+/-0.000 χ^2/NDF: 68175250945.6/48

In: 0.022+/-0.000 χ^2/NDF:33492372295.6/44

Out: 0.013+/-0.000 χ^2/NDF:94195626470.5/51

All: 0.016+/-0.000 χ^2/NDF: 149804055471.5



Right In: 0.000+/-0.000 χ^2/NDF: 4100569.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9476586.0/26

Left In: 0.000+/-0.000 χ^2/NDF:3281119.0/22

Left: 0.000+/-0.000 χ^2/NDF: 21336583.8/47

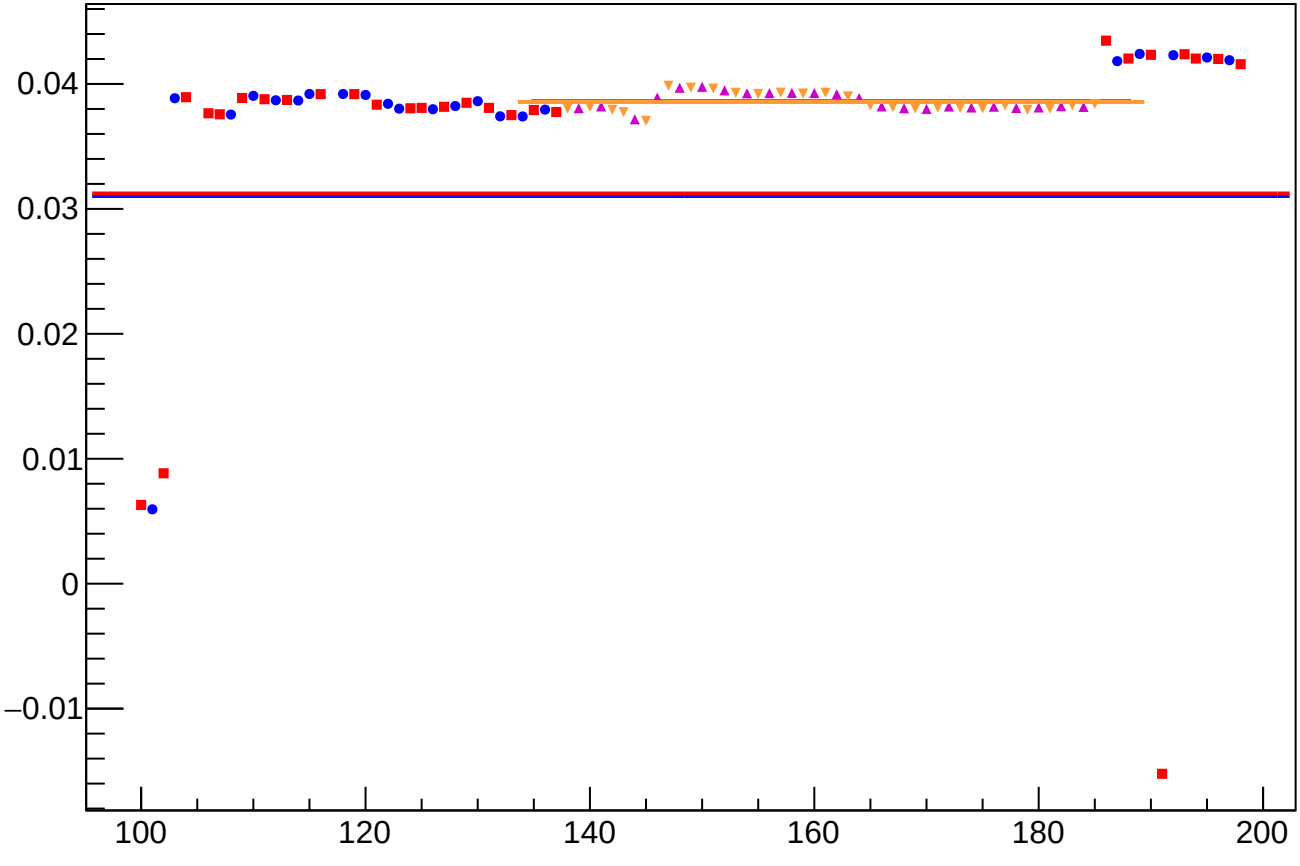
Right: 0.000+/-0.000 χ^2/NDF: 14124173.0/48

In: 0.000+/-0.000 χ^2/NDF:8039778.6/44

Out: 0.000+/-0.000 χ^2/NDF:25378321.7/51

All: 0.000+/-0.000 χ^2/NDF: 38960255.4/96

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 104257788634.2/21

Left Out: 0.039+/-0.000 χ^2/NDF:539468437.3/24

Right Out: 0.031+/-0.000 χ^2/NDF: 172733373267.4/26

Left In: 0.039+/-0.000 χ^2/NDF:465745982.6/22

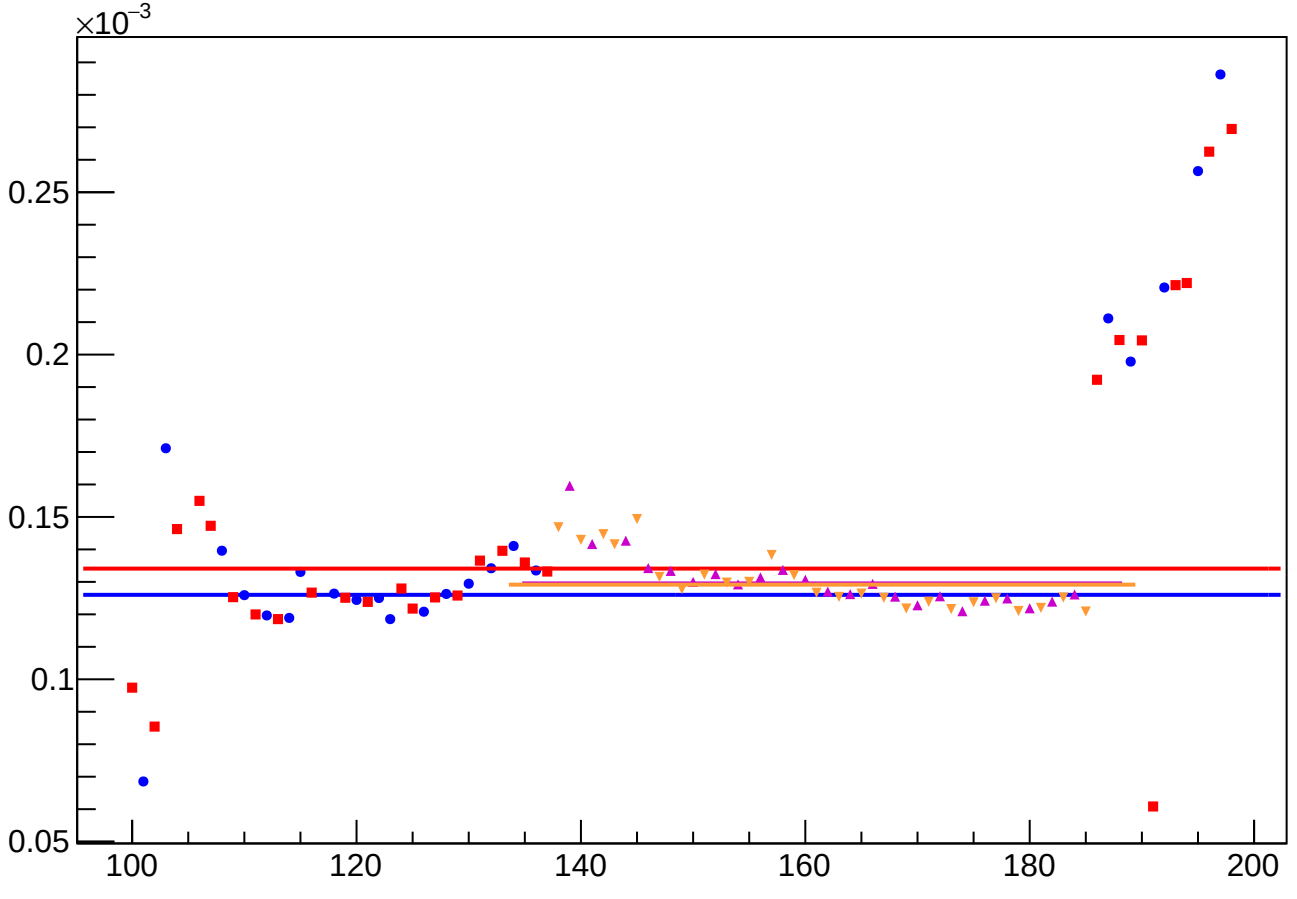
Left: 0.039+/-0.000 χ^2/NDF: 1007039623.8/47

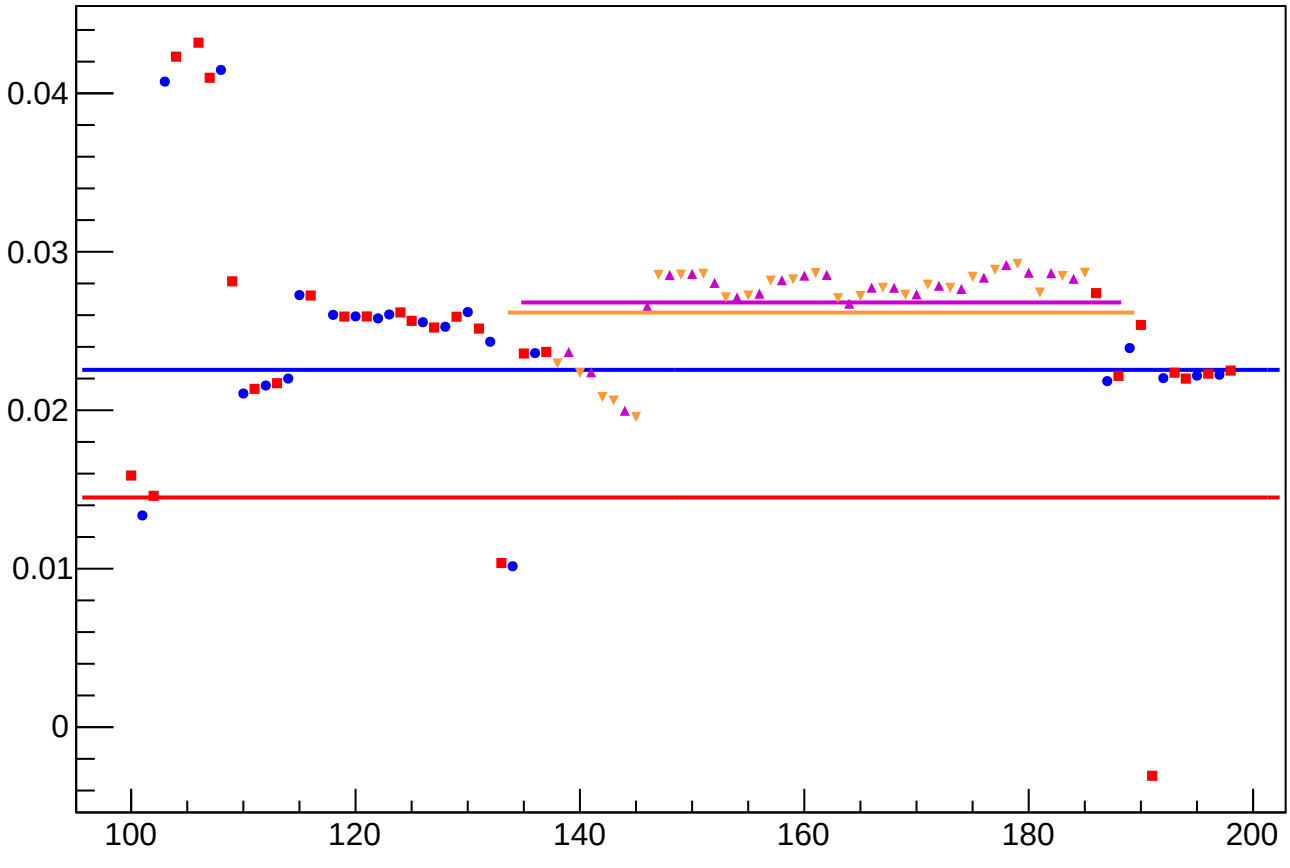
Right: 0.031+/-0.000 χ^2/NDF: 277002014648.8/48

In: 0.036+/-0.000 χ^2/NDF:124630744967.4/44

Out: 0.036+/-0.000 χ^2/NDF:193432103058.6/51

All: 0.036+/-0.000 χ^2/NDF: 318063457252.1


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
Right In: 0.000+/-0.000 χ²/NDF: 2263172.4/21
Left Out: 0.000+/-0.000 χ²/NDF:130321.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2478950.9/26
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: 4777979.4/48
In: 0.000+/-0.000 χ²/NDF:2386502.2/44
Out: 0.000+/-0.000 χ²/NDF:2627625.3/51
All: 0.000+/-0.000 χ²/NDF: 5024401.6/96



Right In: 0.023+/-0.000 χ^2/NDF: 4244138447.1/21

Left Out: 0.026+/-0.000 χ^2/NDF:2056710635.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 30723488033.3/26

Left In: 0.027+/-0.000 χ^2/NDF:1332033607.7/22

Left: 0.026+/-0.000 χ^2/NDF: 3427924441.4/47

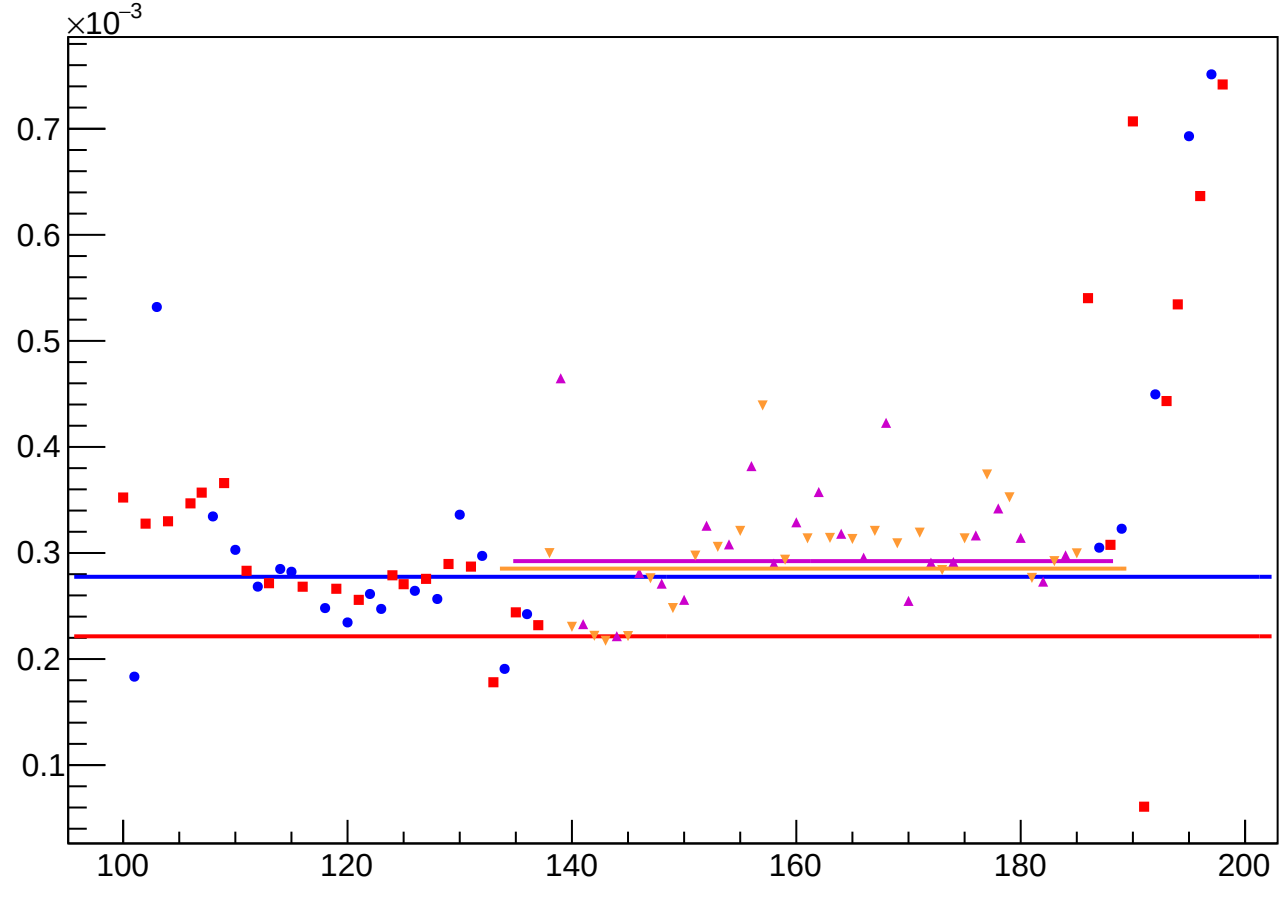
Right: 0.018+/-0.000 χ^2/NDF: 38991454895.2/48

In: 0.025+/-0.000 χ^2/NDF:6764226798.4/44

Out: 0.021+/-0.000 χ^2/NDF:44859834961.2/51

All: 0.023+/-0.000 χ^2/NDF: 54525739903.8/9

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2113716.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6568224.6/26

Left In: 0.000+/-0.000 χ^2/NDF:898772.9/22

Left: 0.000+/-0.000 χ^2/NDF: 1721873.2/47

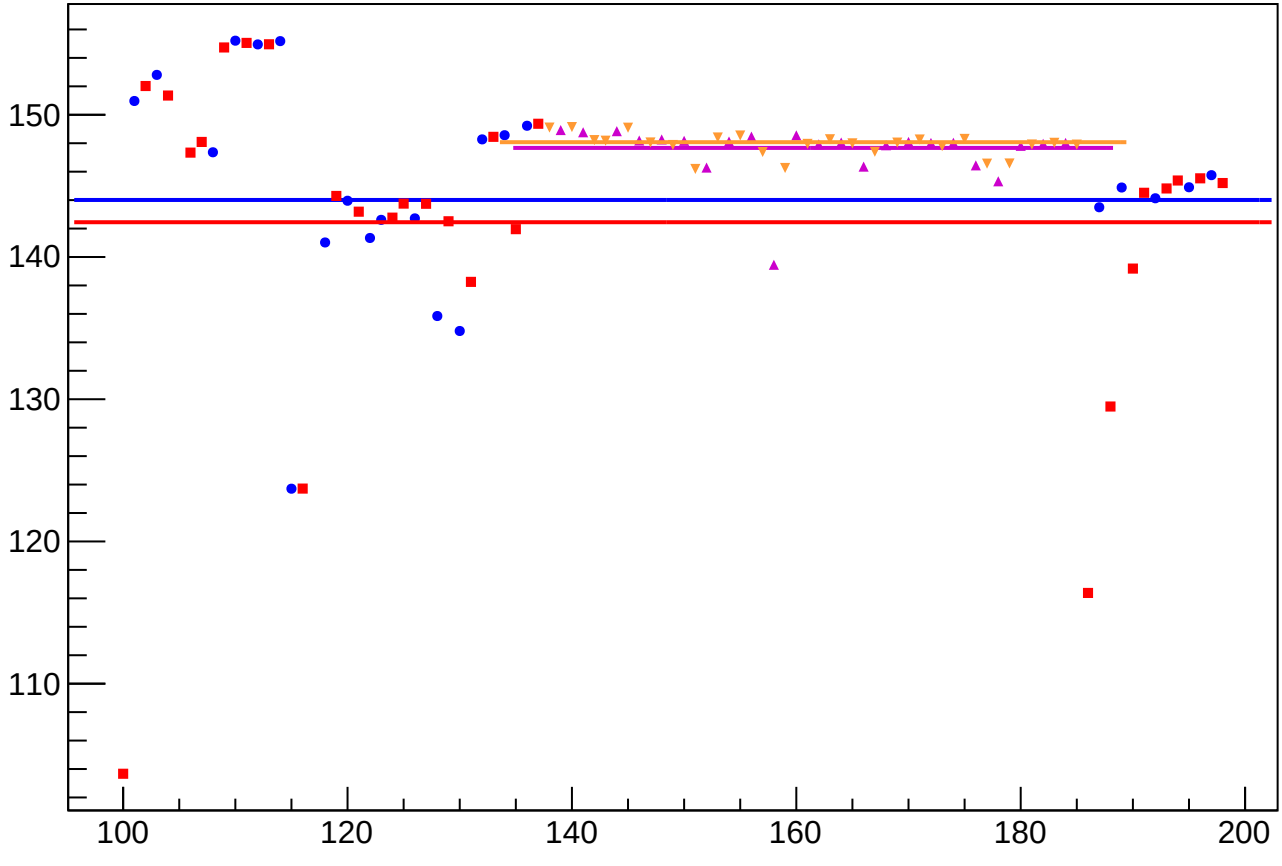
Right: 0.000+/-0.000 χ^2/NDF: 9072690.6/48

In: 0.000+/-0.000 χ^2/NDF:3041187.6/44

Out: 0.000+/-0.000 χ^2/NDF:8104555.7/51

All: 0.000+/-0.000 χ^2/NDF: 11431526.8/96

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.011+/-0.000 χ^2/NDF: 3463233358.7/21

Left Out: 148.073+/-0.000 χ^2/NDF:65614067.4/24

Right Out: 142.446+/-0.000 χ^2/NDF: 7351639814.5/26

Left In: 147.670+/-0.000 χ^2/NDF:345222604.4/22

Left: 147.879+/-0.000 χ^2/NDF: 418091602.5/47

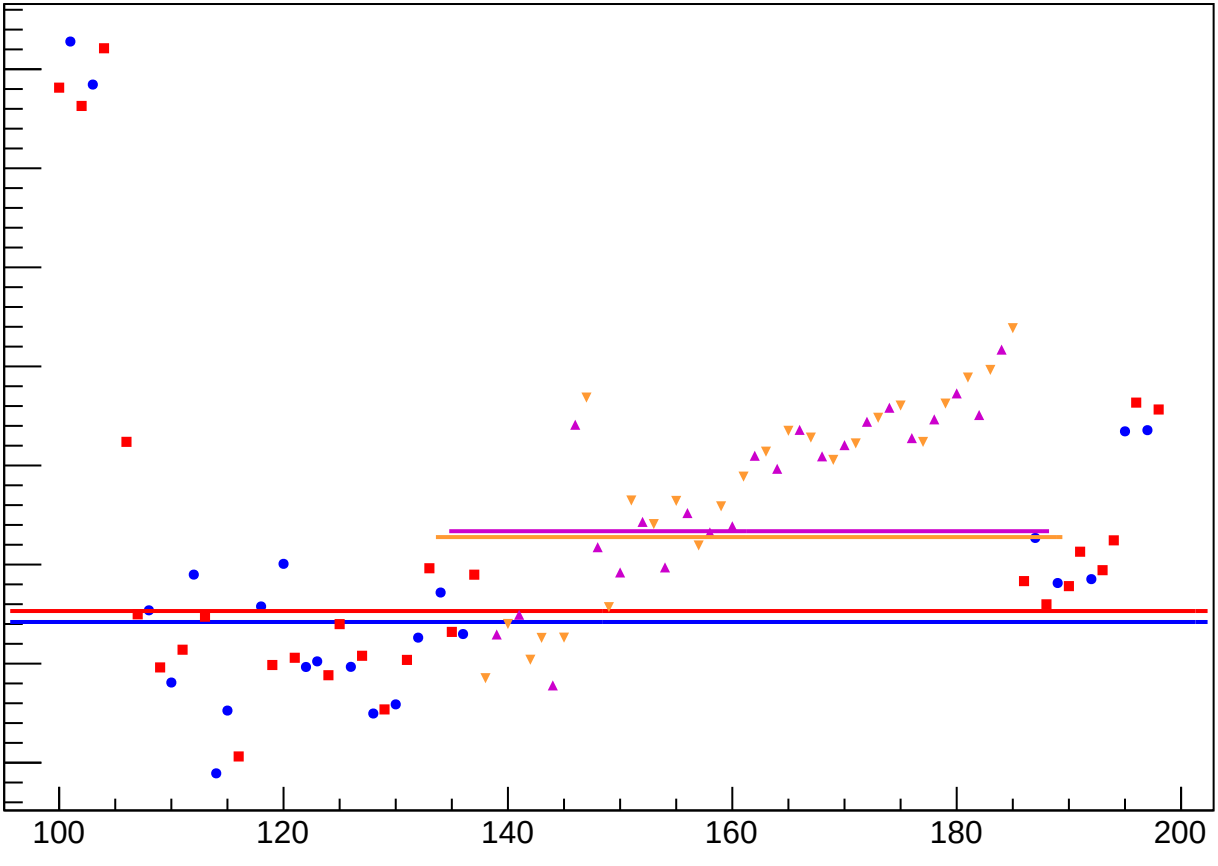
Right: 143.158+/-0.000 χ^2/NDF: 10907782357.2/48

In: 146.038+/-0.000 χ^2/NDF:4325017418.6/44

Out: 145.410+/-0.000 χ^2/NDF:8807607908.8/51

All: 145.705+/-0.000 χ^2/NDF: 13165225823.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.342+/-0.000 χ^2/NDF: 1744273.7/21

Left Out: 0.428+/-0.000 χ^2/NDF:1896808.7/24

Right Out: 0.353+/-0.000 χ^2/NDF: 1827348.8/26

Left In: 0.434+/-0.000 χ^2/NDF:1496343.5/22

Left: 0.431+/-0.000 χ^2/NDF: 3396308.8/47

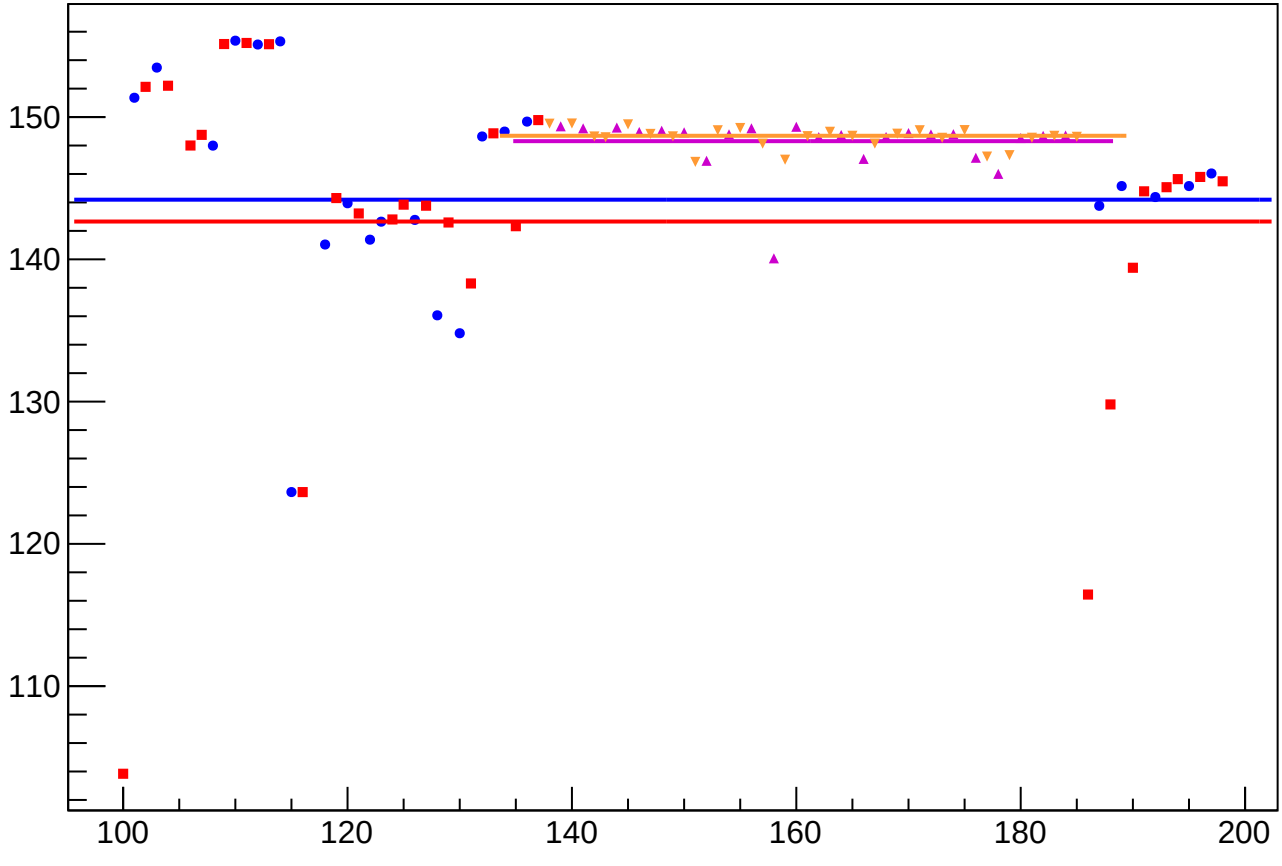
Right: 0.348+/-0.000 χ^2/NDF: 3580905.3/48

In: 0.393+/-0.000 χ^2/NDF:3888395.6/44

Out: 0.392+/-0.000 χ^2/NDF:4213375.5/51

All: 0.393+/-0.000 χ^2/NDF: 8101794.9/96

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.193+/-0.000 χ^2/NDF: 3509449826.8/21

Left Out: 148.686+/-0.000 χ^2/NDF:52218185.1/24

Right Out: 142.658+/-0.000 χ^2/NDF: 7297733981.3/26

Left In: 148.307+/-0.000 χ^2/NDF:333585558.2/22

Left: 148.504+/-0.000 χ^2/NDF: 392094013.2/47

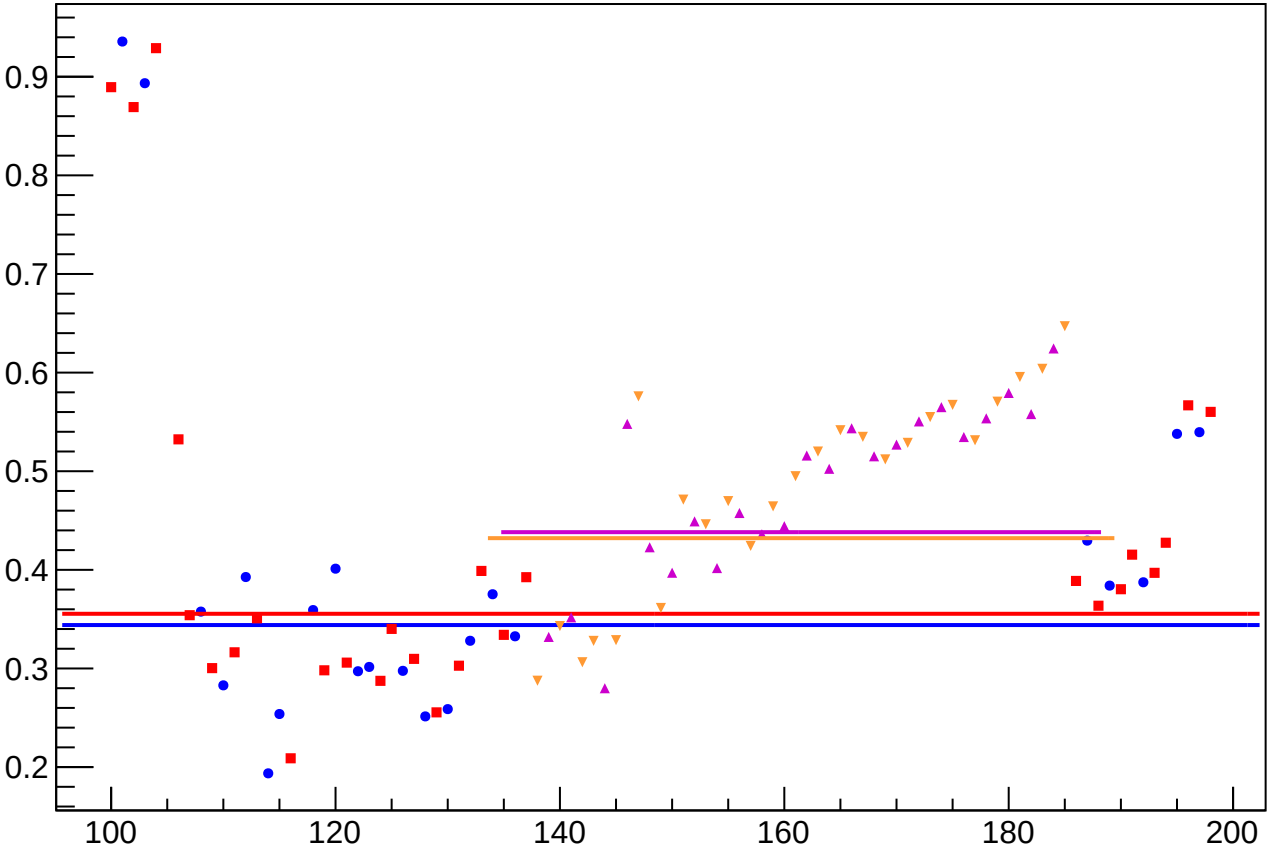
Right: 143.357+/-0.000 χ^2/NDF: 10895531671.4/48

In: 146.462+/-0.000 χ^2/NDF:4485351540.0/44

Out: 145.822+/-0.000 χ^2/NDF:8918437722.0/51

All: 146.123+/-0.000 χ^2/NDF: 13437142419.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.344+/-0.000 χ^2/NDF: 1747544.6/21

Left Out: 0.432+/-0.000 χ^2/NDF:1929031.5/24

Right Out: 0.355+/-0.000 χ^2/NDF: 1831961.1/26

Left In: 0.438+/-0.000 χ^2/NDF:1521893.6/22

Left: 0.435+/-0.000 χ^2/NDF: 3454164.8/47

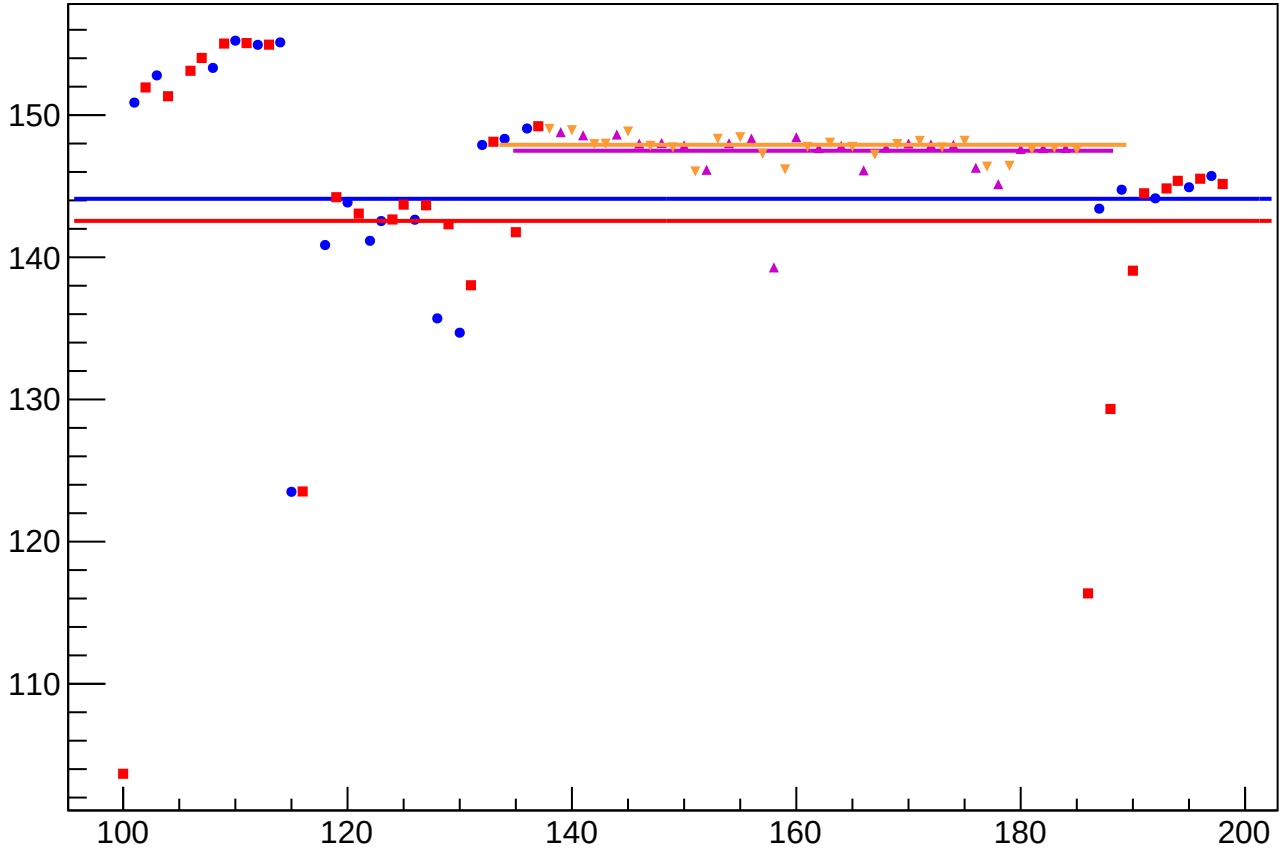
Right: 0.350+/-0.000 χ^2/NDF: 3589282.9/48

In: 0.396+/-0.000 χ^2/NDF:3942786.9/44

Out: 0.396+/-0.000 χ^2/NDF:4268550.0/51

All: 0.396+/-0.000 χ^2/NDF: 8211349.1/96

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.113+/-0.000 χ^2/NDF: 3674002637.4/21

Left Out: 147.911+/-0.000 χ^2/NDF:64412407.9/24

Right Out: 142.560+/-0.000 χ^2/NDF: 7735827387.6/26

Left In: 147.493+/-0.000 χ^2/NDF:343978473.2/22

Left: 147.709+/-0.000 χ^2/NDF: 416149781.4/47

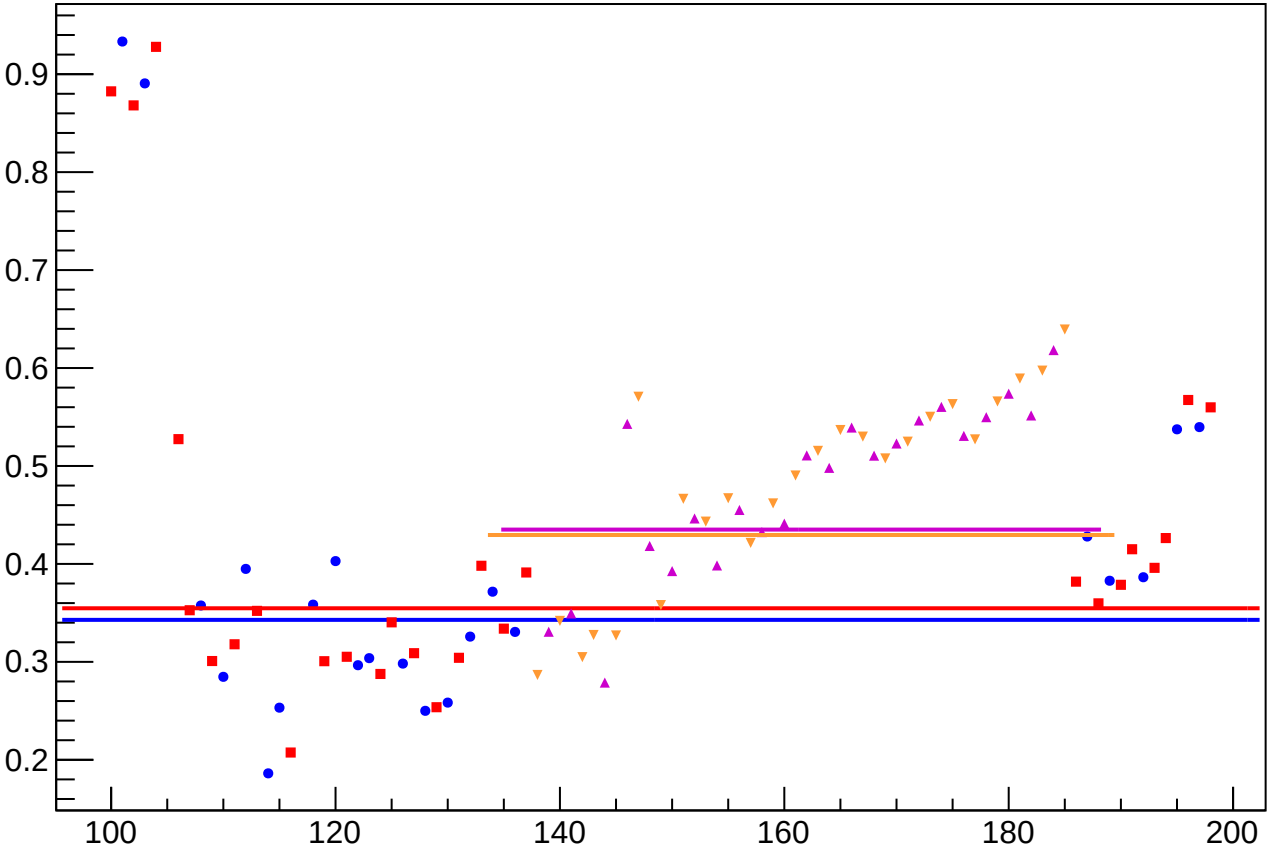
Right: 143.268+/-0.000 χ^2/NDF: 11500696941.4/48

In: 145.986+/-0.000 χ^2/NDF:4455701720.0/44

Out: 145.380+/-0.000 χ^2/NDF:9046627026.9/51

All: 145.665+/-0.000 χ^2/NDF: 13532453445.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.343+/-0.000 χ^2/NDF: 1764950.8/21

Left Out: 0.430+/-0.000 χ^2/NDF:1895701.4/24

Right Out: 0.355+/-0.000 χ^2/NDF: 1831074.2/26

Left In: 0.435+/-0.000 χ^2/NDF:1502712.5/22

Left: 0.432+/-0.000 χ^2/NDF: 3401133.5/47

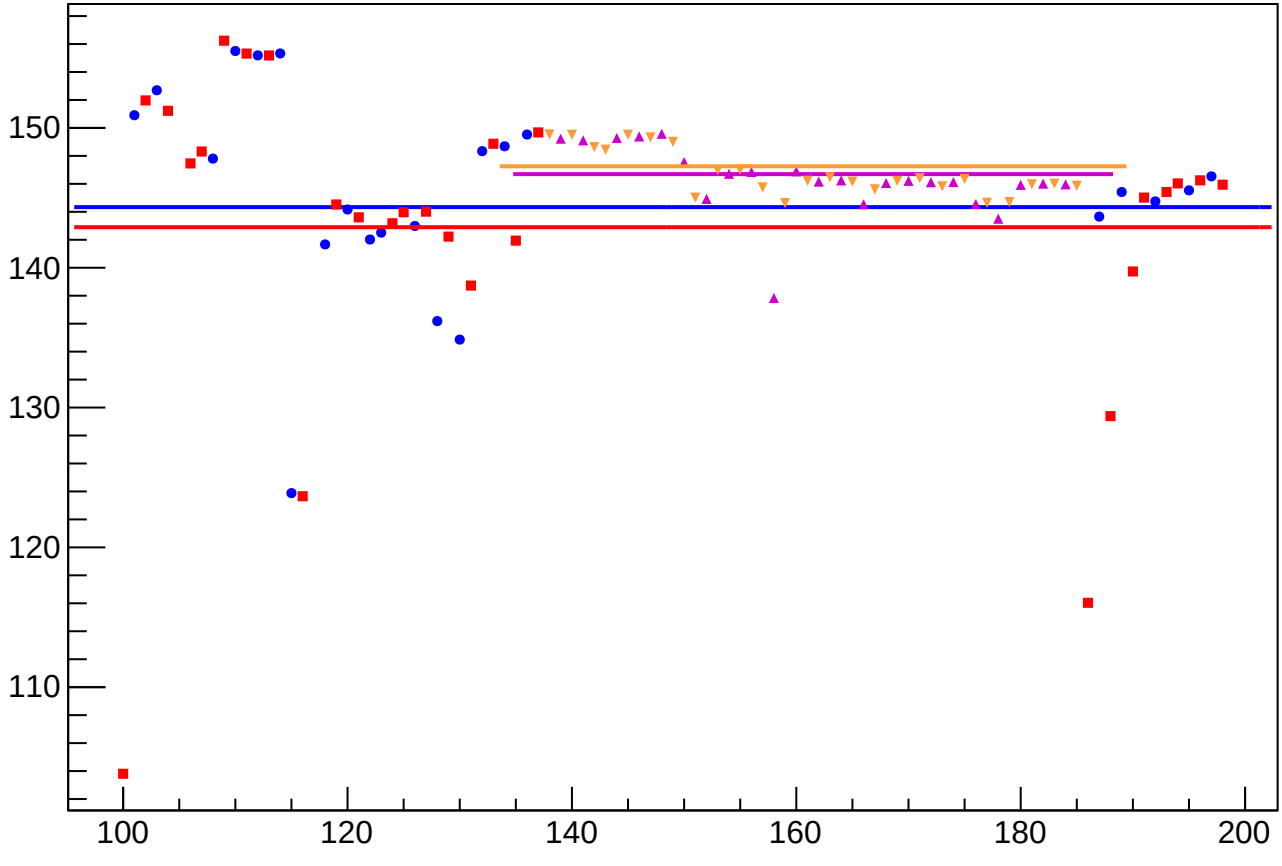
Right: 0.349+/-0.000 χ^2/NDF: 3606559.9/48

In: 0.394+/-0.000 χ^2/NDF:3918685.5/44

Out: 0.394+/-0.000 χ^2/NDF:4213888.1/51

All: 0.394+/-0.000 χ^2/NDF: 8132580.1/96

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.336+/-0.000 χ^2/NDF: 3183595940.3/21

Left Out: 147.255+/-0.000 χ^2/NDF:262138049.8/24

Right Out: 142.900+/-0.000 χ^2/NDF: 7057381304.4/26

Left In: 146.695+/-0.000 χ^2/NDF:557896803.1/22

Left: 146.984+/-0.000 χ^2/NDF: 833217060.4/47

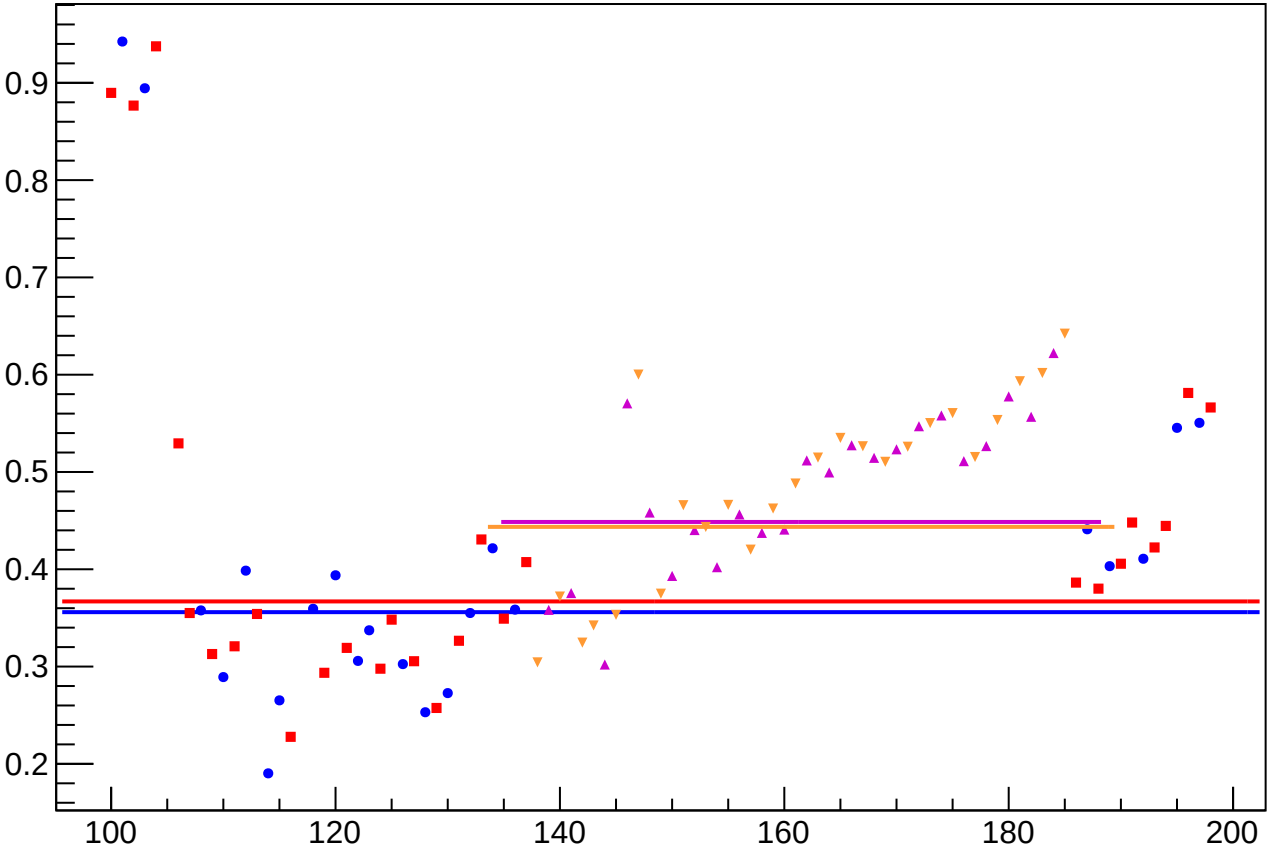
Right: 143.552+/-0.000 χ^2/NDF: 10313052703.5/48

In: 145.658+/-0.000 χ^2/NDF:3941301351.0/44

Out: 145.212+/-0.000 χ^2/NDF:8094296224.0/51

All: 145.422+/-0.000 χ^2/NDF: 12050921965.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.356+/-0.000 χ^2/NDF: 1735861.7/21

Left Out: 0.444+/-0.000 χ^2/NDF:1483434.7/24

Right Out: 0.367+/-0.000 χ^2/NDF: 1800952.5/26

Left In: 0.449+/-0.000 χ^2/NDF:1132620.8/22

Left: 0.446+/-0.000 χ^2/NDF: 2618207.6/47

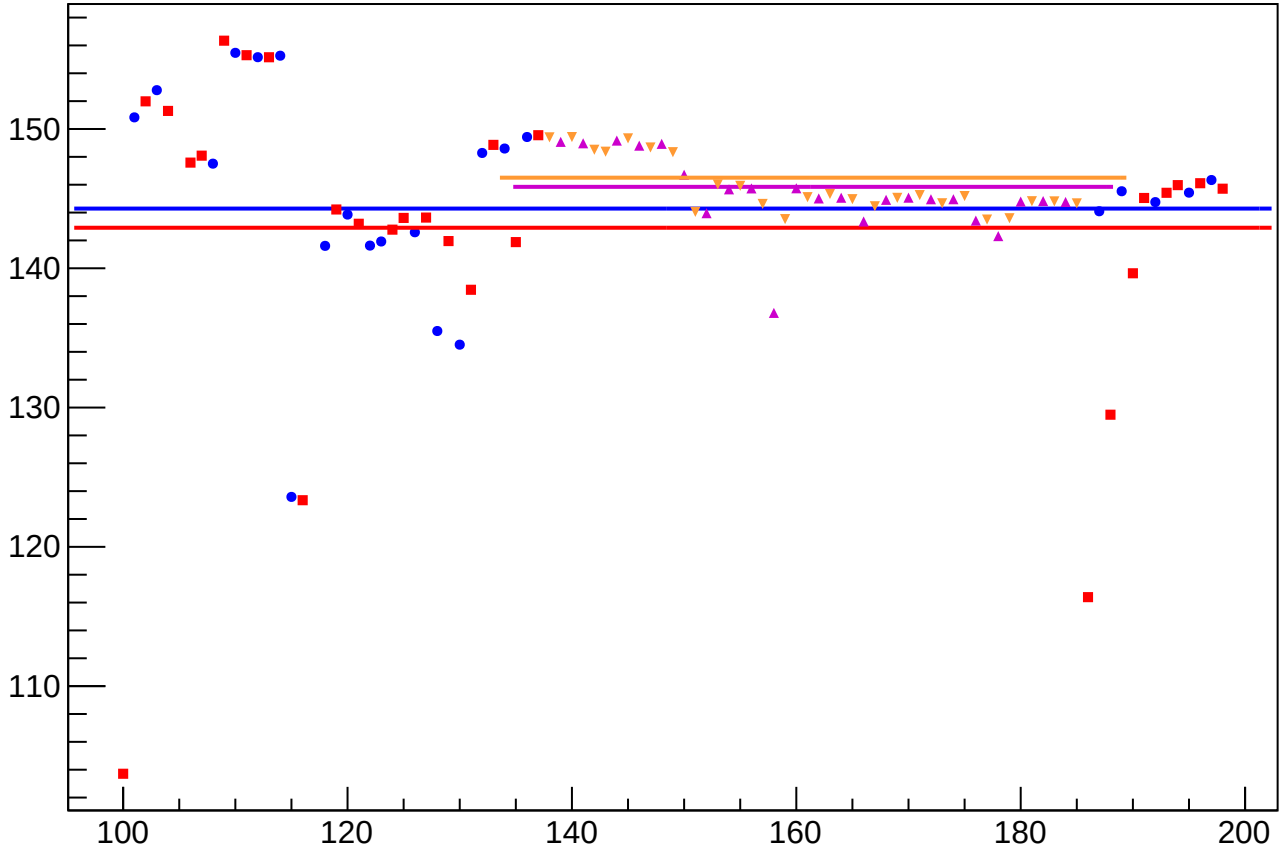
Right: 0.362+/-0.000 χ^2/NDF: 3545315.1/48

In: 0.408+/-0.000 χ^2/NDF:3485475.8/44

Out: 0.408+/-0.000 χ^2/NDF:3764245.4/51

All: 0.408+/-0.000 χ^2/NDF: 7249729.1/96

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.287+/-0.000 χ^2/NDF: 3301996764.1/21

Left Out: 146.505+/-0.000 χ^2/NDF:401688176.3/24

Right Out: 142.910+/-0.000 χ^2/NDF: 7025066295.2/26

Left In: 145.847+/-0.000 χ^2/NDF:694764545.6/22

Left: 146.187+/-0.000 χ^2/NDF: 1114638549.0/47

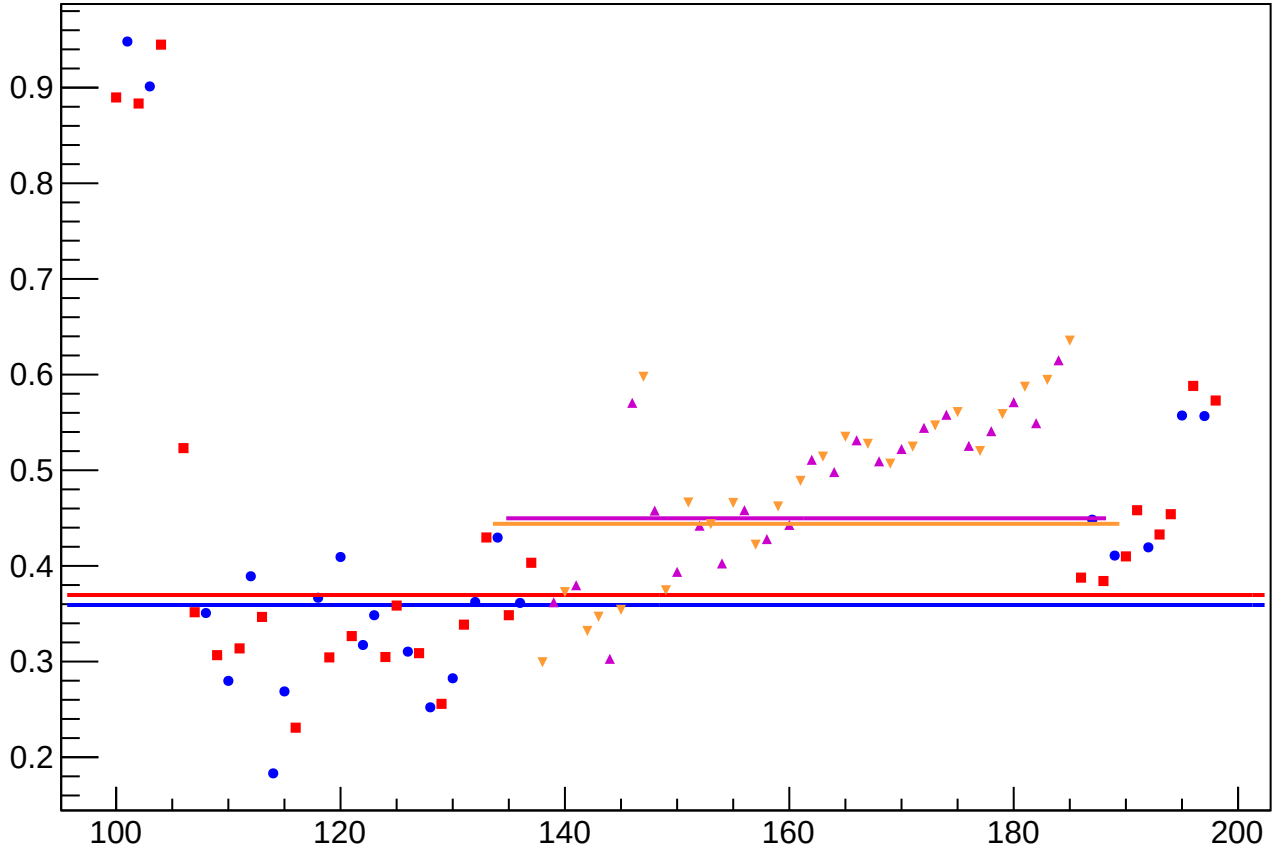
Right: 143.534+/-0.000 χ^2/NDF: 10391923863.5/48

In: 145.167+/-0.000 χ^2/NDF:4082794116.6/44

Out: 144.833+/-0.000 χ^2/NDF:7949092334.9/51

All: 144.990+/-0.000 χ^2/NDF: 12040427449.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.359+/-0.000 χ^2/NDF: 1772368.0/21

Left Out: 0.444+/-0.000 χ^2/NDF:1463293.5/24

Right Out: 0.370+/-0.000 χ^2/NDF: 1816806.9/26

Left In: 0.450+/-0.000 χ^2/NDF:1105405.0/22

Left: 0.447+/-0.000 χ^2/NDF: 2571486.5/47

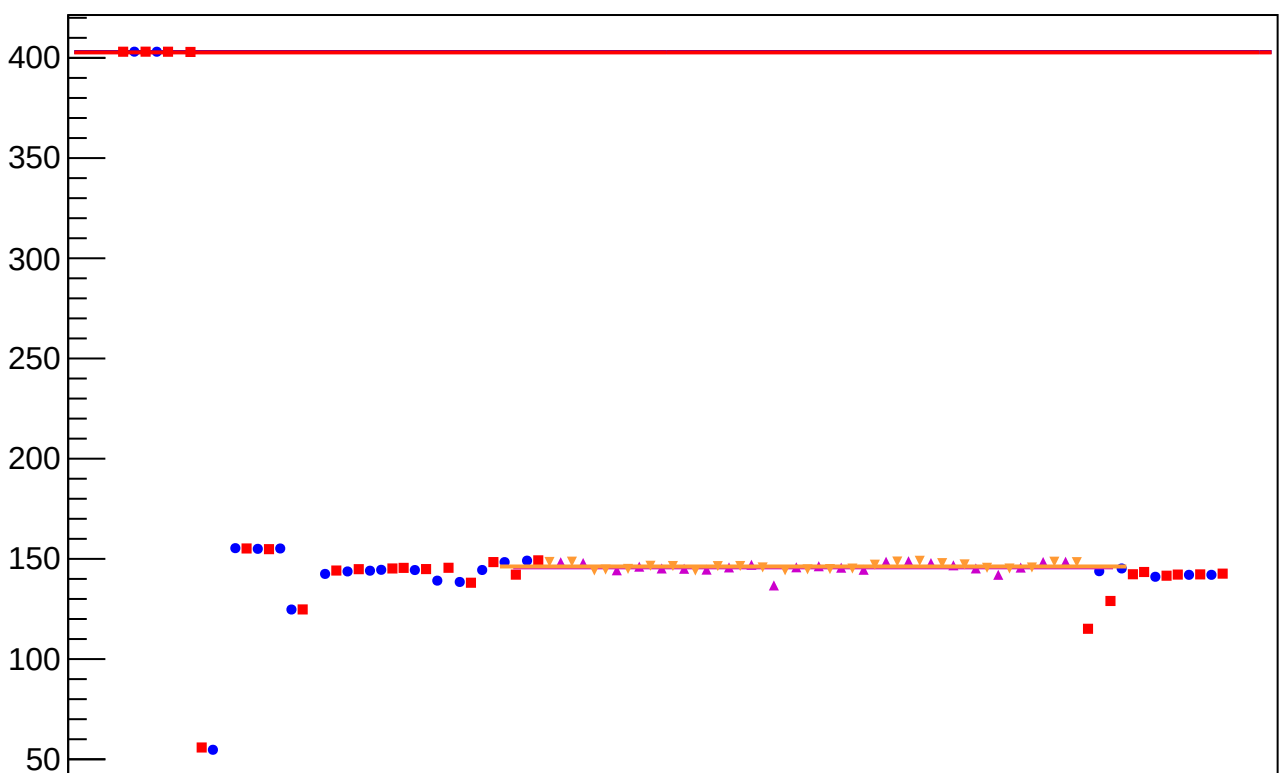
Right: 0.365+/-0.000 χ^2/NDF: 3596649.6/48

In: 0.410+/-0.000 χ^2/NDF:3458432.9/44

Out: 0.409+/-0.000 χ^2/NDF:3727861.7/51

All: 0.410+/-0.000 χ^2/NDF: 7186423.7/96

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.927+/-0.000 χ^2/NDF: 1345640349346.5/21

Left Out: 146.205+/-0.000 χ^2/NDF:86658381.3/24

Right Out: 402.741+/-0.000 χ^2/NDF: 3646688415465.9/26

Left In: 145.773+/-0.000 χ^2/NDF:207332354.9/22

Left: 145.990+/-0.000 χ^2/NDF: 297342055.1/47

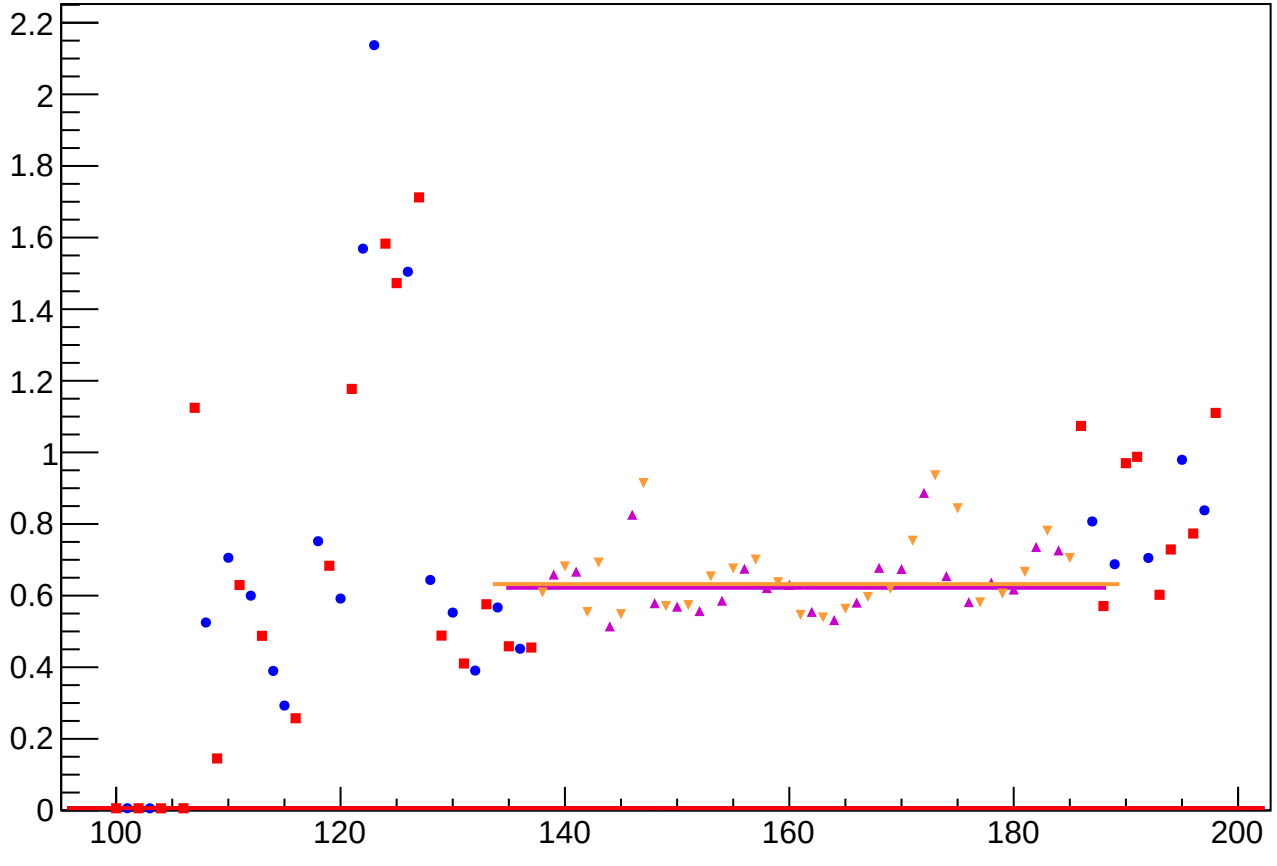
Right: 402.828+/-0.000 χ^2/NDF: 4992900698225.8/

In: 402.633+/-0.000 χ^2/NDF:3695107616016.7/44

Out: 402.479+/-0.000 χ^2/NDF:6014997867837.8/5

All: 402.551+/-0.000 χ^2/NDF: 97105004959

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 13637601.6/21

Left Out: 0.632+/-0.000 χ^2/NDF:614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF: 17279107.9/26

Left In: 0.622+/-0.000 χ^2/NDF:404479.0/22

Left: 0.627+/-0.000 χ^2/NDF: 1022337.9/47

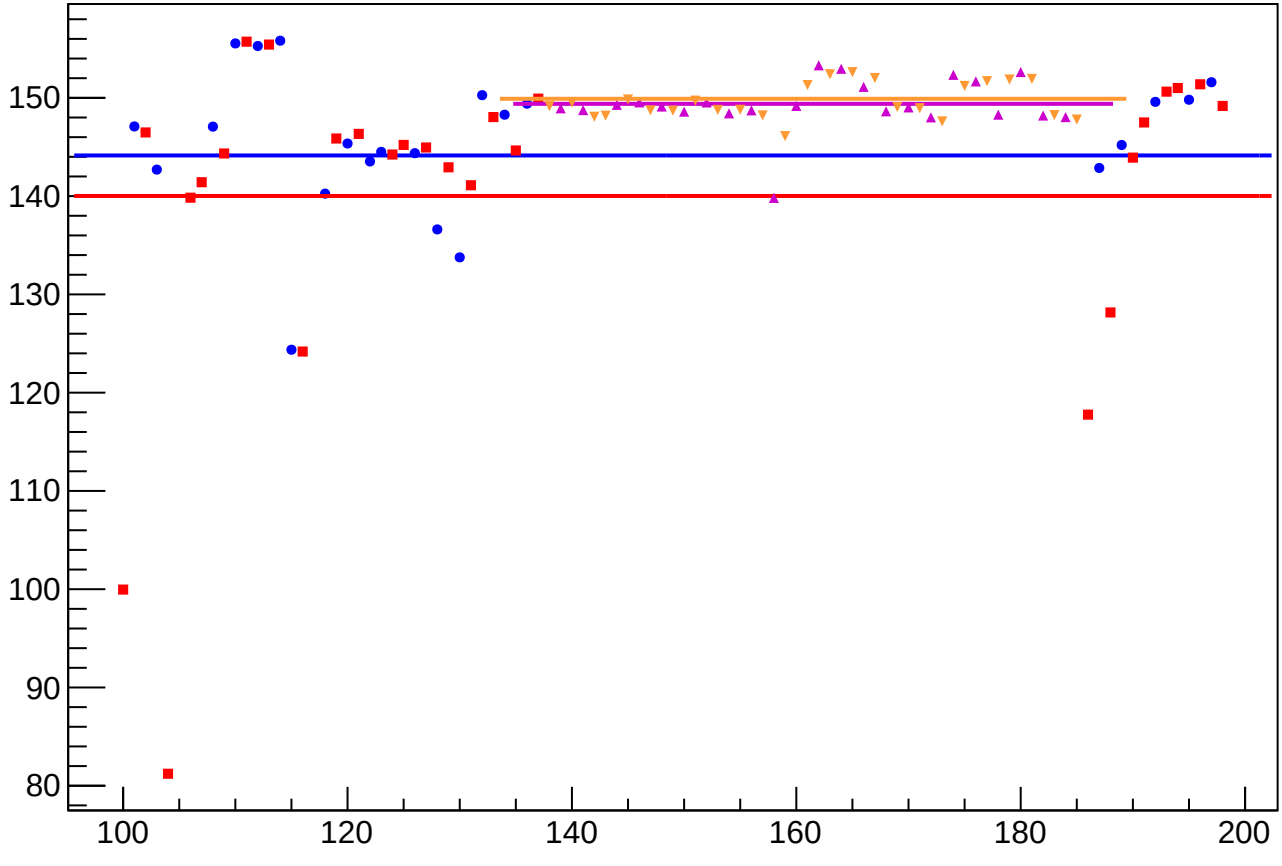
Right: 0.006+/-0.000 χ^2/NDF: 30916797.0/48

In: 0.007+/-0.000 χ^2/NDF:40960167.5/44

Out: 0.007+/-0.000 χ^2/NDF:46063651.2/51

All: 0.007+/-0.000 χ^2/NDF: 87023823.6/96

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 144.139+/-0.000 χ^2/NDF: 1192625380.6/21

Left Out: 149.906+/-0.000 χ^2/NDF:163261802.4/24

Right Out: 140.016+/-0.000 χ^2/NDF: 2985310559.0/26

Left In: 149.391+/-0.000 χ^2/NDF:437129920.4/22

Left: 149.657+/-0.000 χ^2/NDF: 606930259.3/47

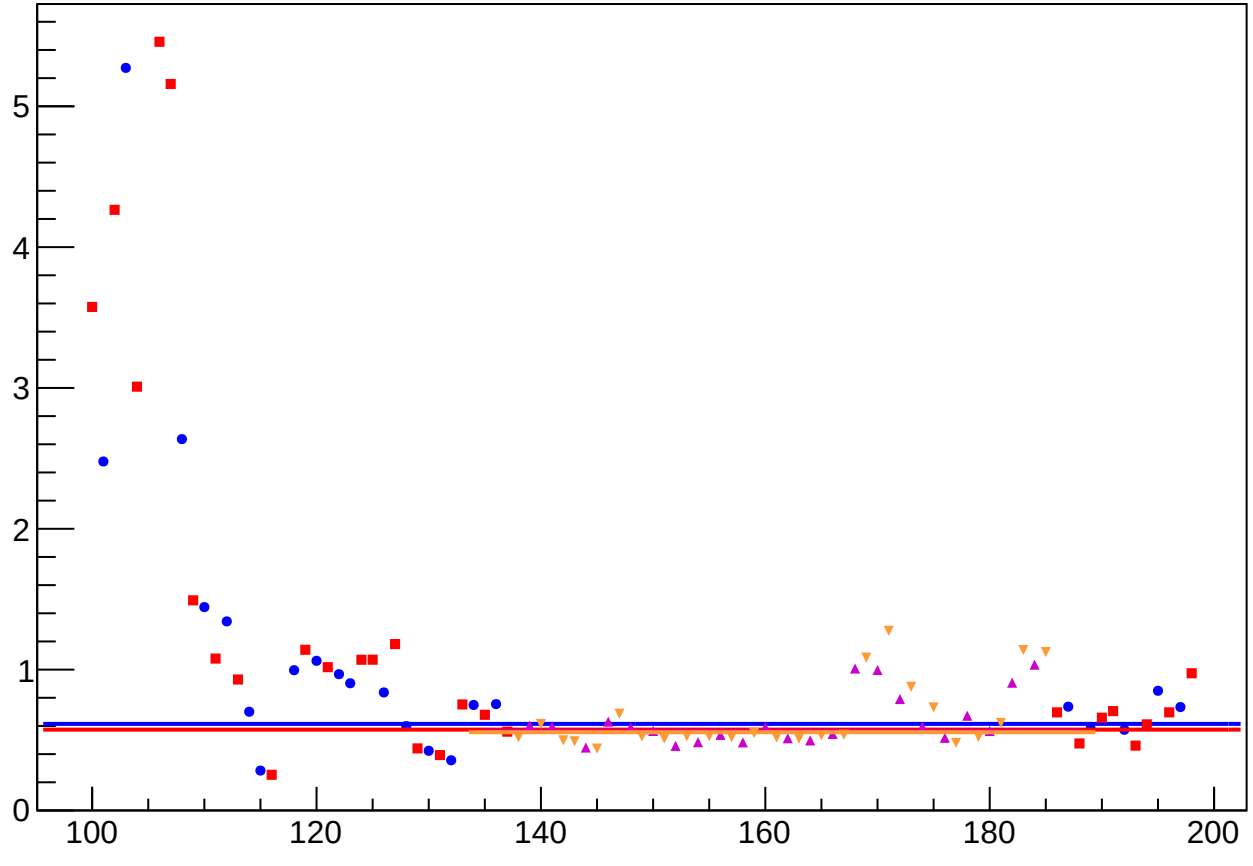
Right: 141.702+/-0.000 χ^2/NDF: 4332969489.8/48

In: 148.105+/-0.000 χ^2/NDF:1951138932.4/44

Out: 146.895+/-0.000 χ^2/NDF:4665244406.1/51

All: 147.454+/-0.000 χ^2/NDF: 6665992325.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.615+/-0.000 χ^2/NDF: 3643057.6/21

Left Out: 0.555+/-0.000 χ^2/NDF:1773380.1/24

Right Out: 0.574+/-0.000 χ^2/NDF: 5114236.2/26

Left In: 0.562+/-0.000 χ^2/NDF:1311075.2/22

Left: 0.559+/-0.000 χ^2/NDF: 3086646.6/47

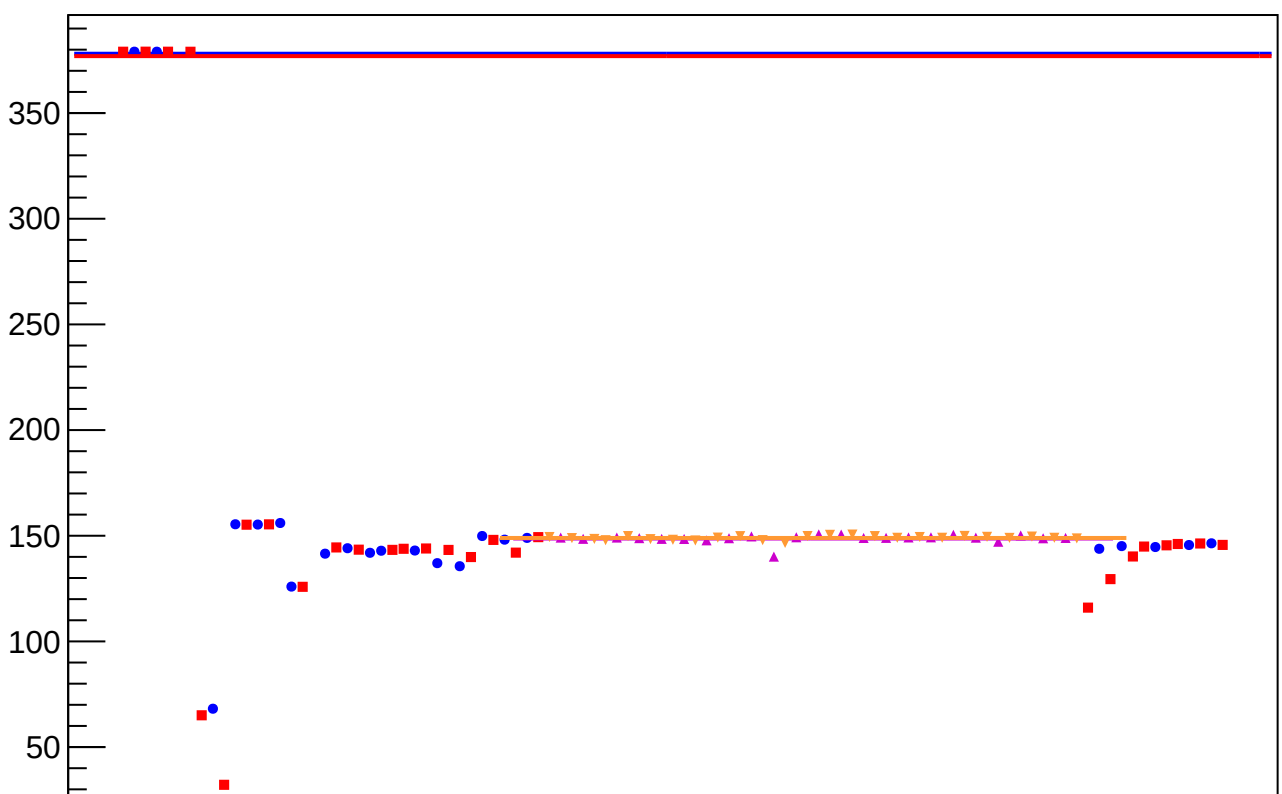
Right: 0.591+/-0.000 χ^2/NDF: 8787632.0/48

In: 0.575+/-0.000 χ^2/NDF:5018697.3/44

Out: 0.561+/-0.000 χ^2/NDF:6898253.8/51

All: 0.567+/-0.000 χ^2/NDF: 11930077.5/96

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.077+/-0.000 χ^2/NDF: 3144582403891.1/21

Left Out: 148.946+/-0.000 χ^2/NDF:63974844.7/24

Right Out: 376.944+/-0.000 χ^2/NDF: 9527831173287.9/26

Left In: 148.683+/-0.000 χ^2/NDF:253848207.3/22

Left: 148.820+/-0.000 χ^2/NDF: 320306424.2/47

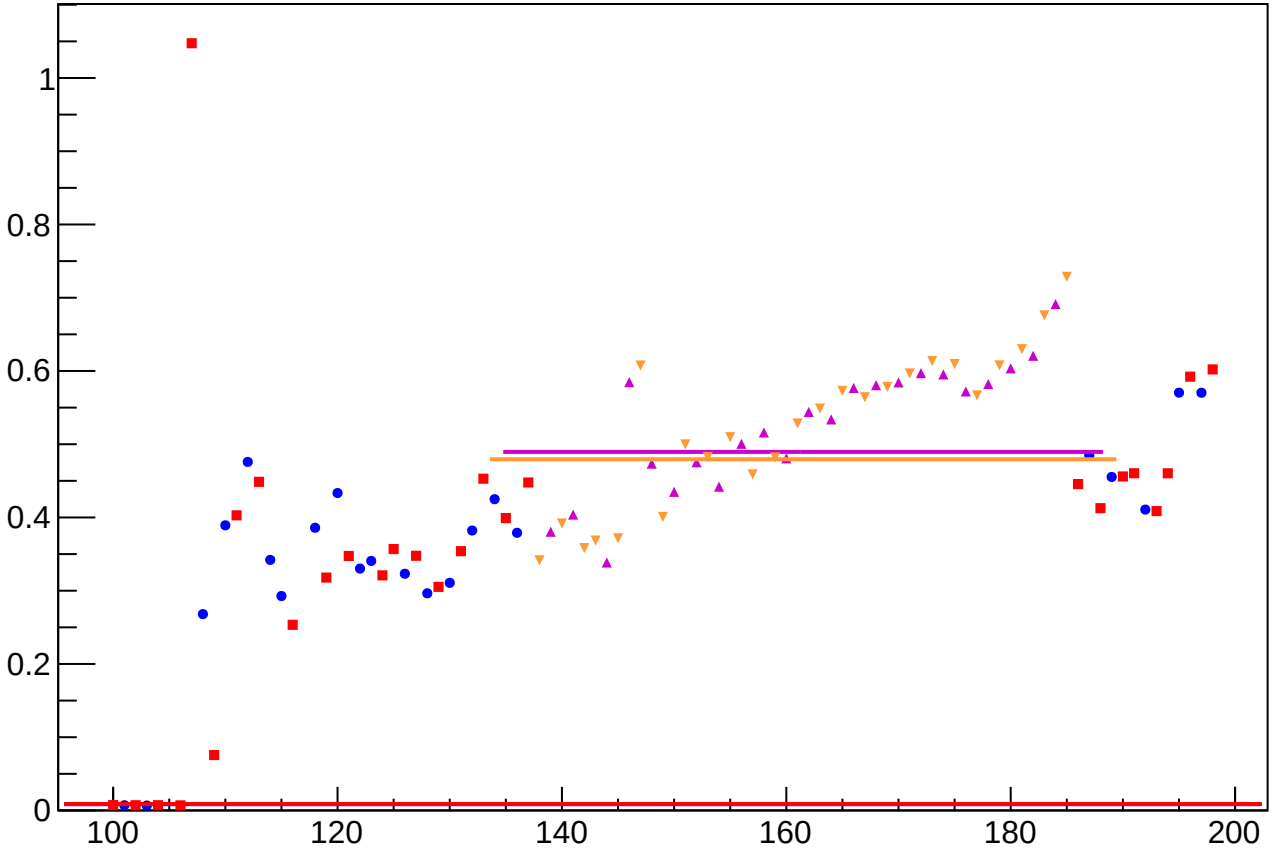
Right: 377.474+/-0.000 χ^2/NDF: 12681531236277.

In: 376.898+/-0.000 χ^2/NDF:6752290329115.9/44

Out: 375.827+/-0.000 χ^2/NDF:13400290092436.5

All: 376.327+/-0.000 χ^2/NDF: 20160755262

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 15267032.4/21

Left Out: 0.479+/-0.000 χ^2/NDF:1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF: 18821796.2/26

Left In: 0.490+/-0.000 χ^2/NDF:1090532.3/22

Left: 0.484+/-0.000 χ^2/NDF: 2616511.3/47

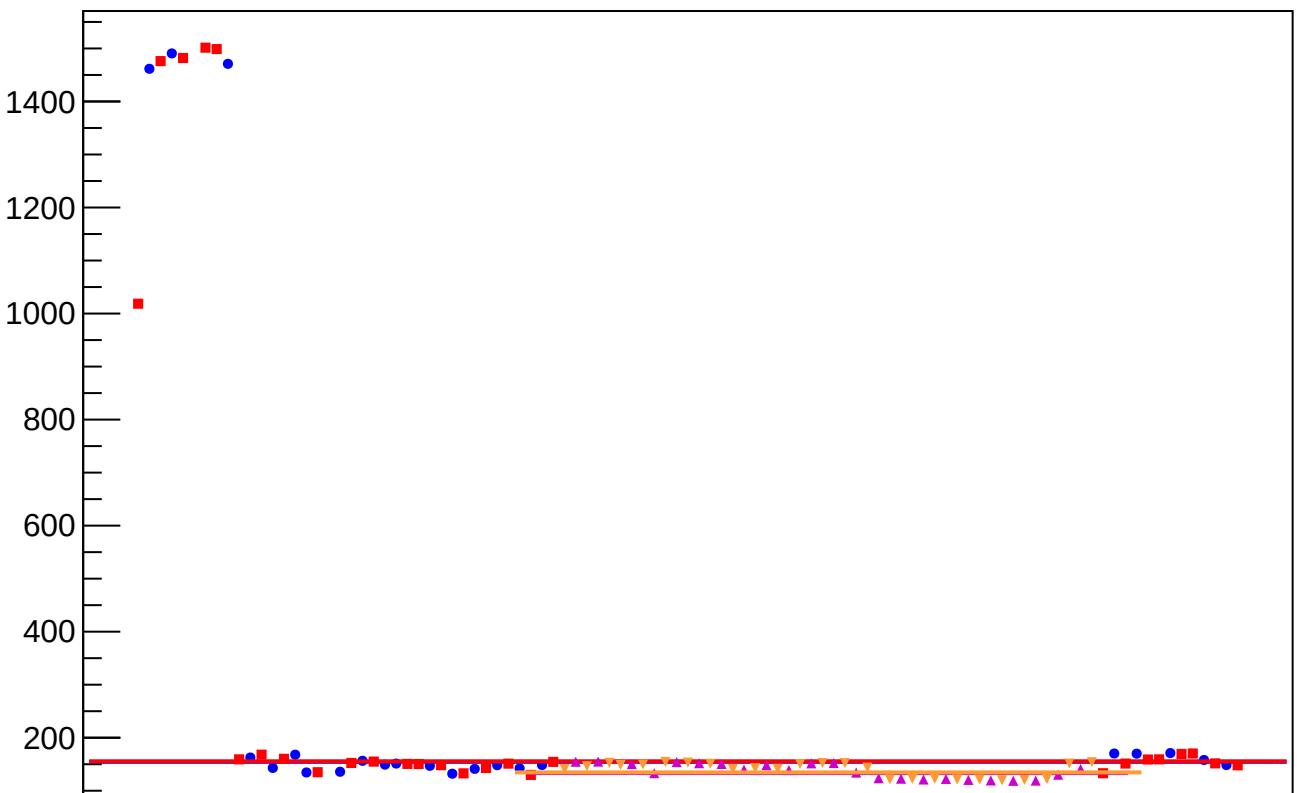
Right: 0.009+/-0.000 χ^2/NDF: 34089783.6/48

In: 0.011+/-0.000 χ^2/NDF:48075731.4/44

Out: 0.011+/-0.000 χ^2/NDF:53348192.8/51

All: 0.011+/-0.000 χ^2/NDF: 101424043.5/96

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 154.601+/-0.000 χ^2/NDF: 25430268571.6/21

Left Out: 134.585+/-0.000 χ^2/NDF:4387324151.1/24

Right Out: 155.356+/-0.000 χ^2/NDF: 34741688089.9/26

Left In: 133.309+/-0.000 χ^2/NDF:4353039408.6/22

Left: 133.958+/-0.000 χ^2/NDF: 8759337937.7/47

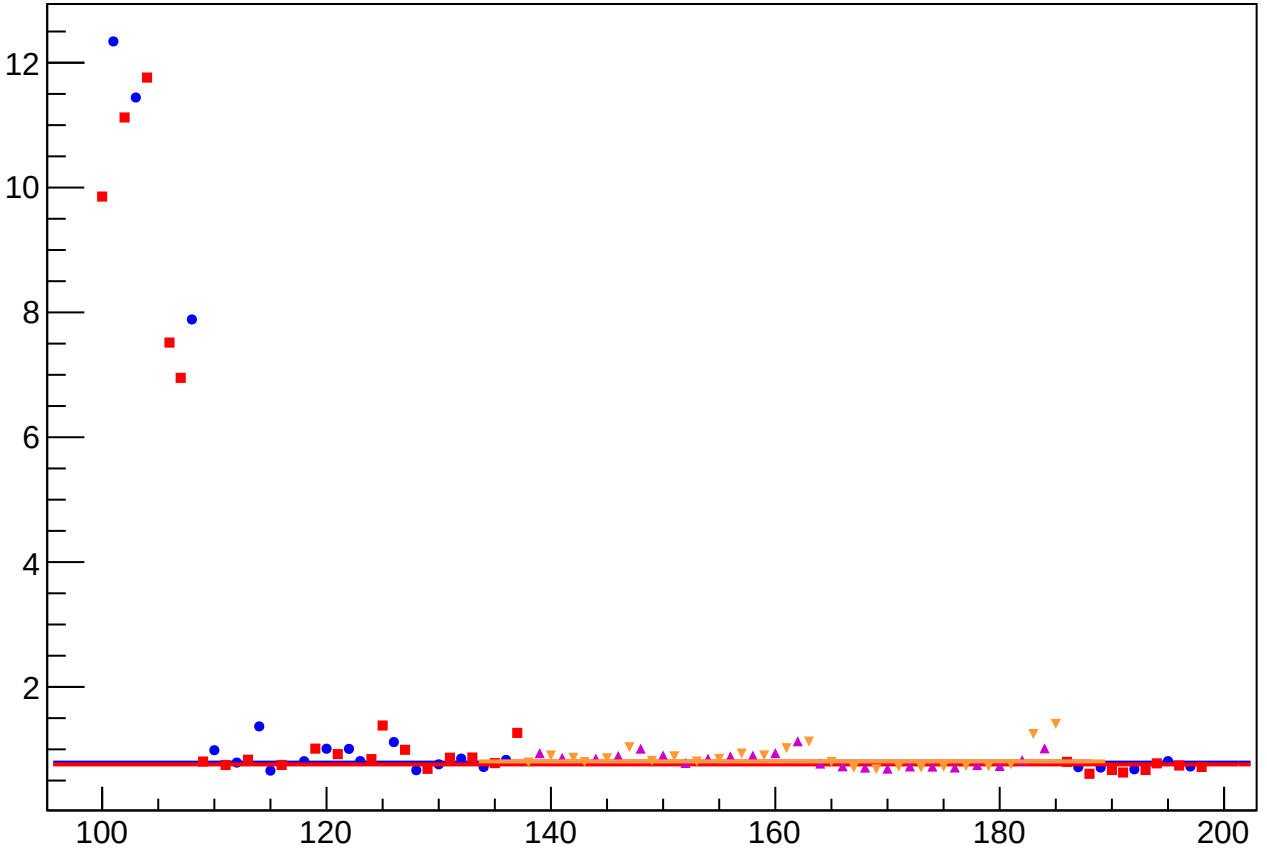
Right: 155.045+/-0.000 χ^2/NDF: 60175379775.5/48

In: 139.870+/-0.000 χ^2/NDF:32988823266.6/44

Out: 142.501+/-0.000 χ^2/NDF:43032703657.0/51

All: 141.281+/-0.000 χ^2/NDF: 76144699811.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.787+/-0.000 χ^2/NDF: 2767508.2/21

Left Out: 0.807+/-0.000 χ^2/NDF:704181.3/24

Right Out: 0.759+/-0.000 χ^2/NDF: 3130341.7/26

Left In: 0.805+/-0.000 χ^2/NDF:479689.4/22

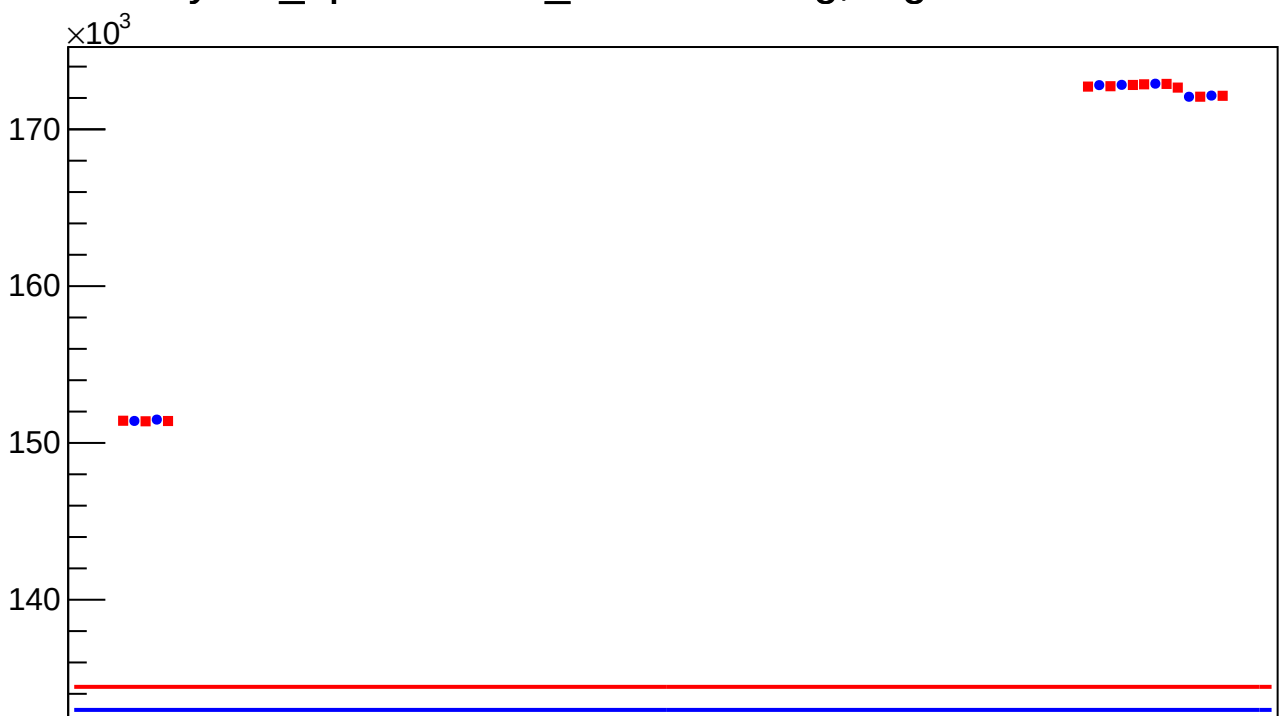
Left: 0.806+/-0.000 χ^2/NDF: 1183976.9/47

Right: 0.770+/-0.000 χ^2/NDF: 5907885.9/48

In: 0.799+/-0.000 χ^2/NDF:3251316.0/44

Out: 0.788+/-0.000 χ^2/NDF:3876358.6/51

All: 0.793+/-0.000 χ^2/NDF: 7131928.2/96



Right In: 132974.261+/-0.052 χ^2/NDF: 78032297581.3/21

Left Out: 128713.791+/-0.047 χ^2/NDF:348293942.5/24

Right Out: 134444.856+/-0.047 χ^2/NDF: 118394005043.0/26

Left In: 128670.094+/-0.049 χ^2/NDF:334875494.0/22

Left: 128692.941+/-0.034 χ^2/NDF: 683588051.4/47

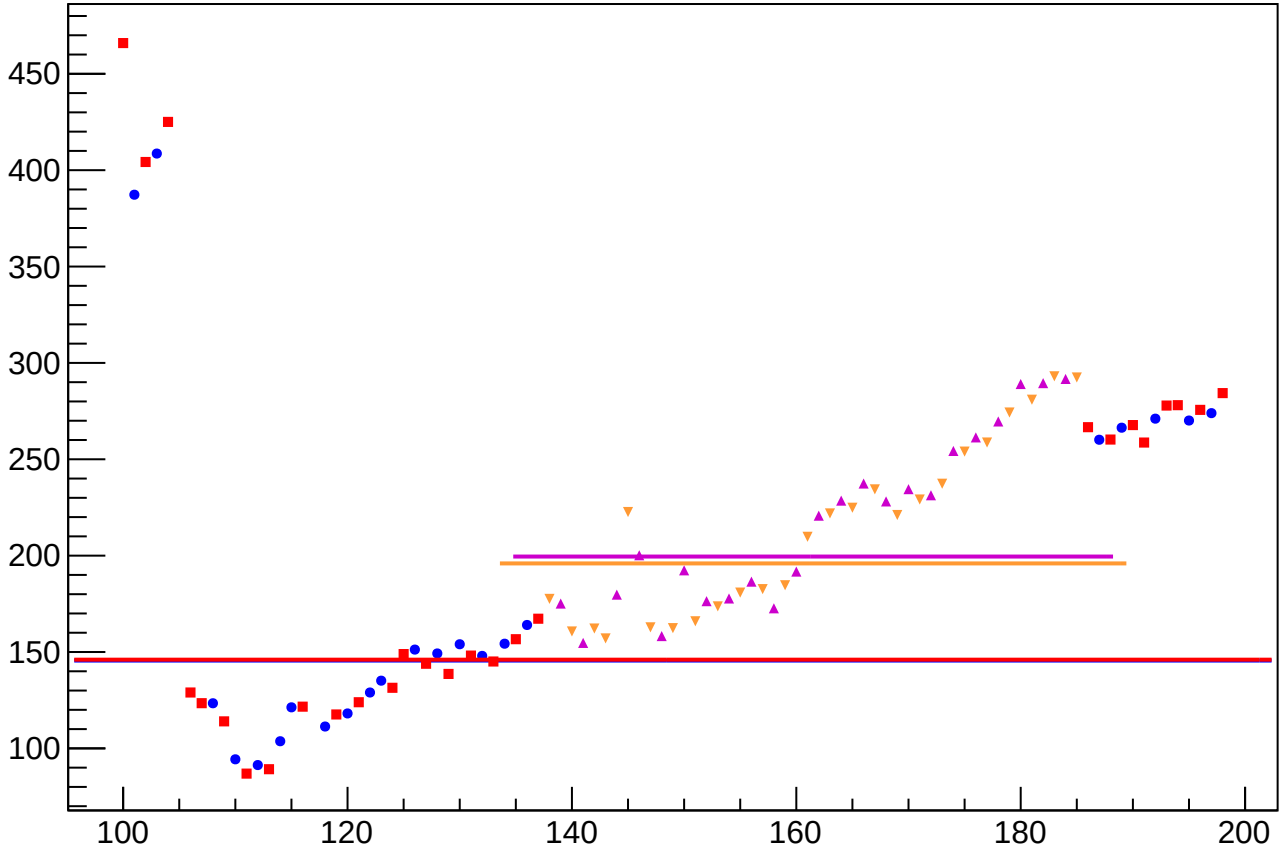
Right: 133783.475+/-0.035 χ^2/NDF: 196874934956

In: 130707.750+/-0.035 χ^2/NDF:82044910937.1/4

Out: 131584.868+/-0.033 χ^2/NDF:126302713767.

All: 131178.085+/-0.024 χ^2/NDF: 208676141

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 145.569+/-0.036 χ^2/NDF: 2952674.3/21

Left Out: 195.964+/-0.033 χ^2/NDF:1316091.7/24

Right Out: 146.026+/-0.033 χ^2/NDF: 4055662.3/26

Left In: 199.531+/-0.035 χ^2/NDF:1175342.5/22

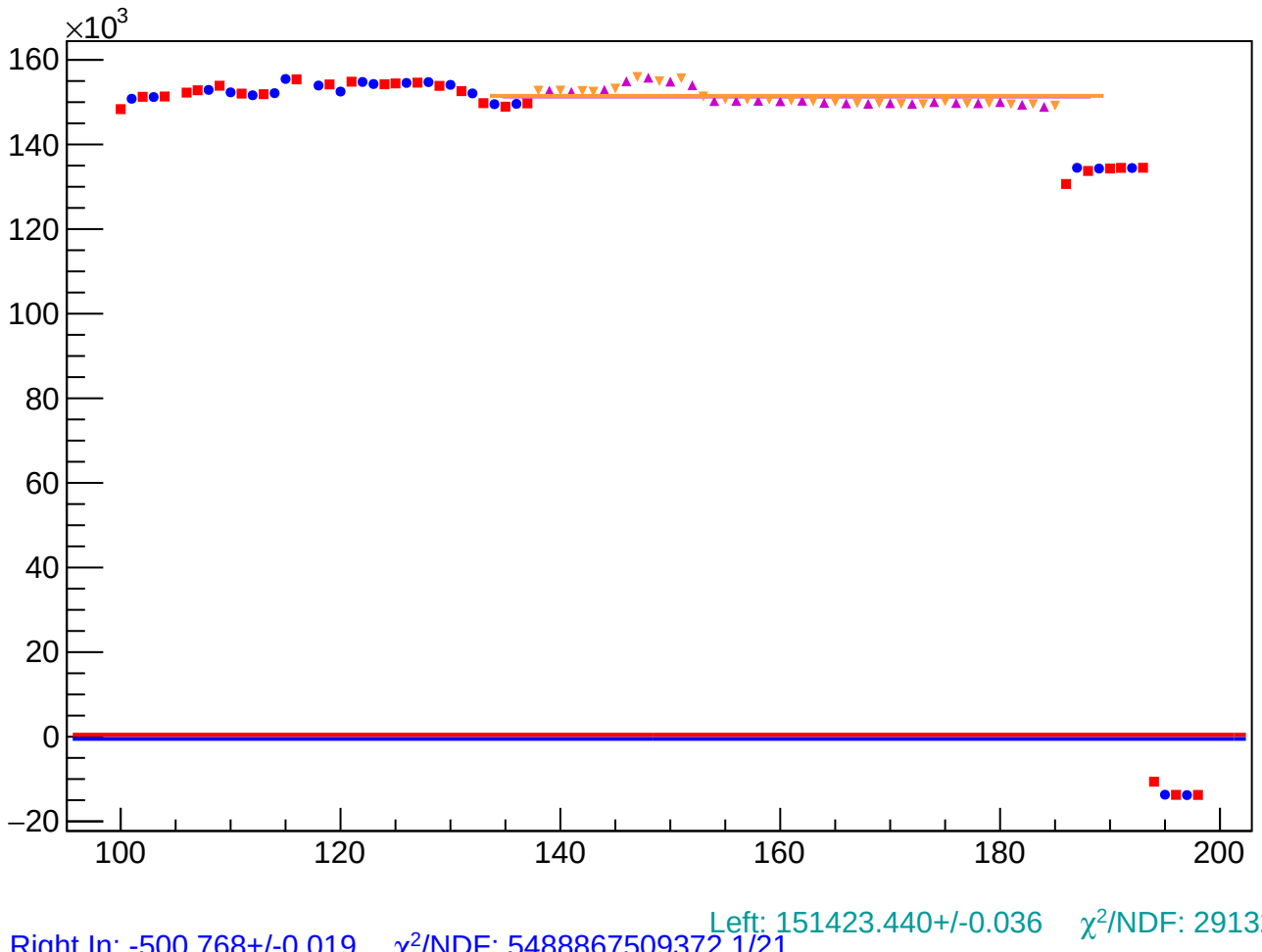
Left: 197.666+/-0.024 χ^2/NDF: 2497014.2/47

Right: 145.820+/-0.024 χ^2/NDF: 7008423.2/48

In: 173.985+/-0.025 χ^2/NDF:5284172.7/44

Out: 170.946+/-0.023 χ^2/NDF:6519833.5/51

All: 172.355+/-0.017 χ^2/NDF: 11811888.9/96



Right In: -500.768+/-0.019 χ^2/NDF: 5488867509372.1/21

Left Out: 151480.339+/-0.049 χ^2/NDF:1483692735.3/24

Right Out: 479.333+/-0.017 χ^2/NDF: 6730594909815.8/26

Left In: 151362.440+/-0.051 χ^2/NDF:1426782789.9/22

Left: 151423.440+/-0.036 χ^2/NDF: 2913216467.1/4

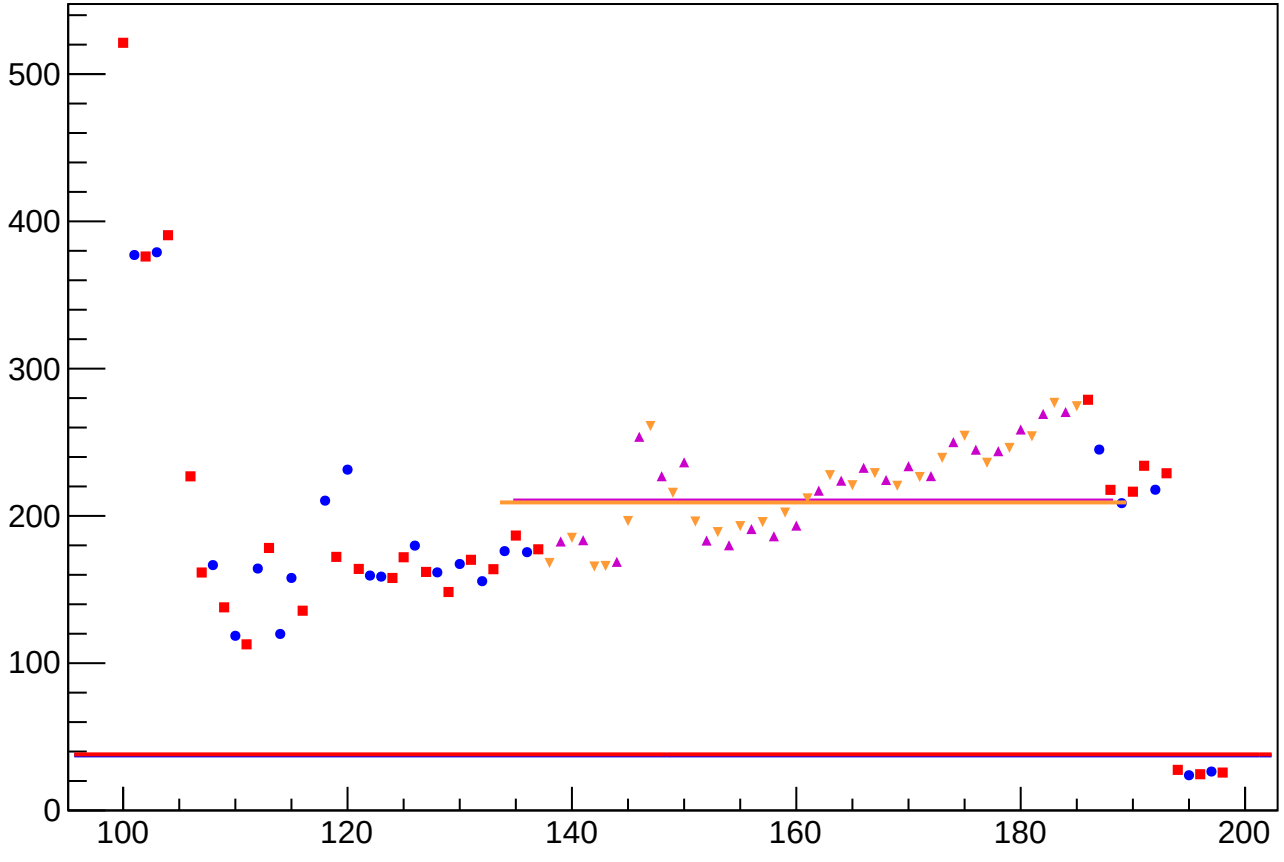
Right: 33.121+/-0.013 χ^2/NDF: 12220901434906.4/

In: 17983.693+/-0.018 χ^2/NDF:13210046221537.

Out: 17158.573+/-0.016 χ^2/NDF:15019302123618

All: 17536.835+/-0.012 χ^2/NDF: 282305028

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 37.382+/-0.013 χ^2/NDF: 10684564.0/21

Left Out: 209.156+/-0.035 χ^2/NDF:710094.9/24

Right Out: 38.075+/-0.012 χ^2/NDF: 12636594.7/26

Left In: 210.431+/-0.036 χ^2/NDF:684015.0/22

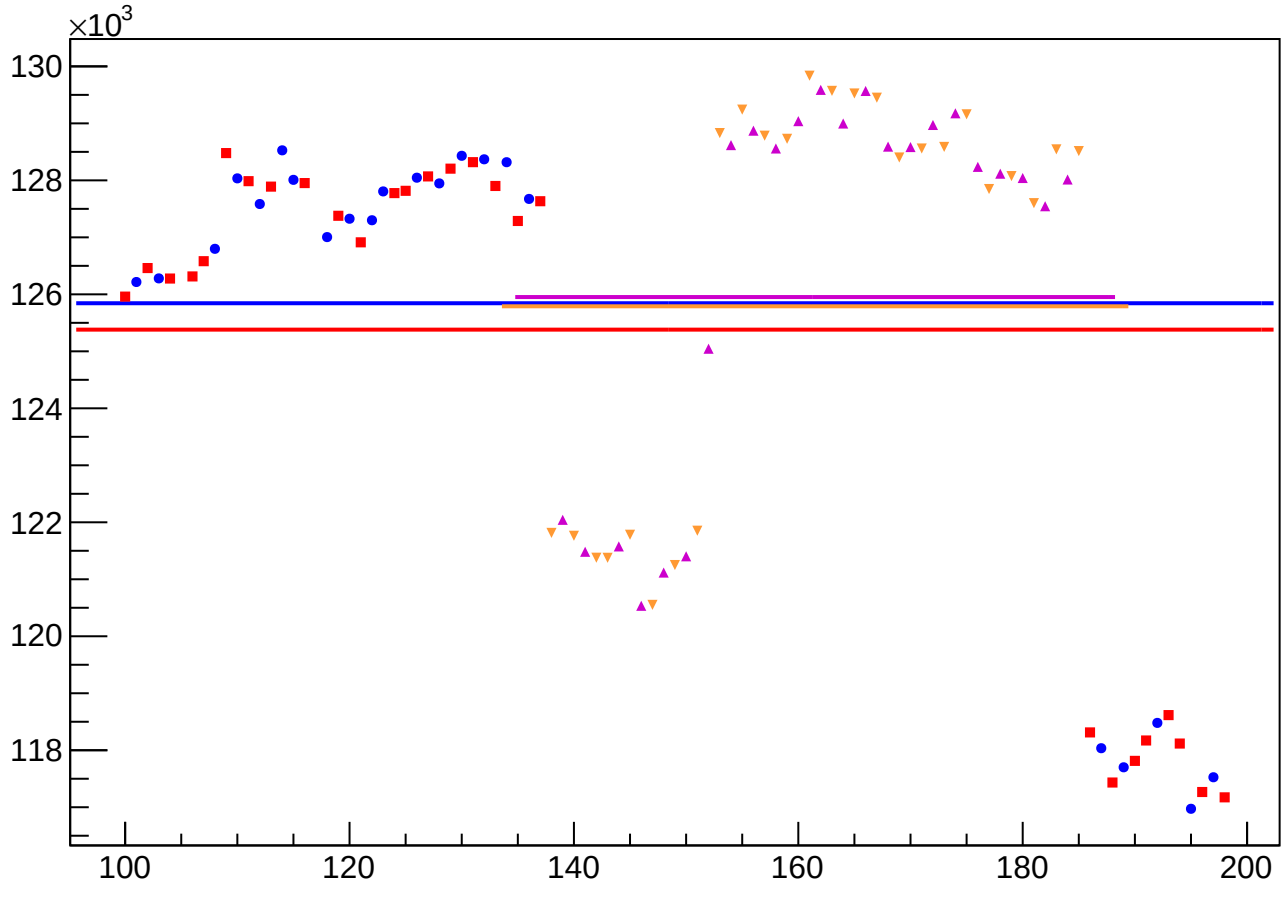
Left: 209.771+/-0.025 χ^2/NDF: 1394750.9/47

Right: 37.760+/-0.009 χ^2/NDF: 23322596.7/48

In: 58.445+/-0.013 χ^2/NDF:31416220.4/44

Out: 56.972+/-0.012 χ^2/NDF:34622249.9/51

All: 57.648+/-0.009 χ^2/NDF: 66045830.0/96



Right In: 125843.756+/-0.053 χ^2/NDF: 5615560553.1/21

Left Out: 125790.126+/-0.044 χ^2/NDF:6744310079.8/24

Right Out: 125380.663+/-0.048 χ^2/NDF: 7998760771.3/26

Left In: 125952.447+/-0.045 χ^2/NDF:5841800367.5/22

Left: 125870.001+/-0.031 χ^2/NDF: 12592819321.6/

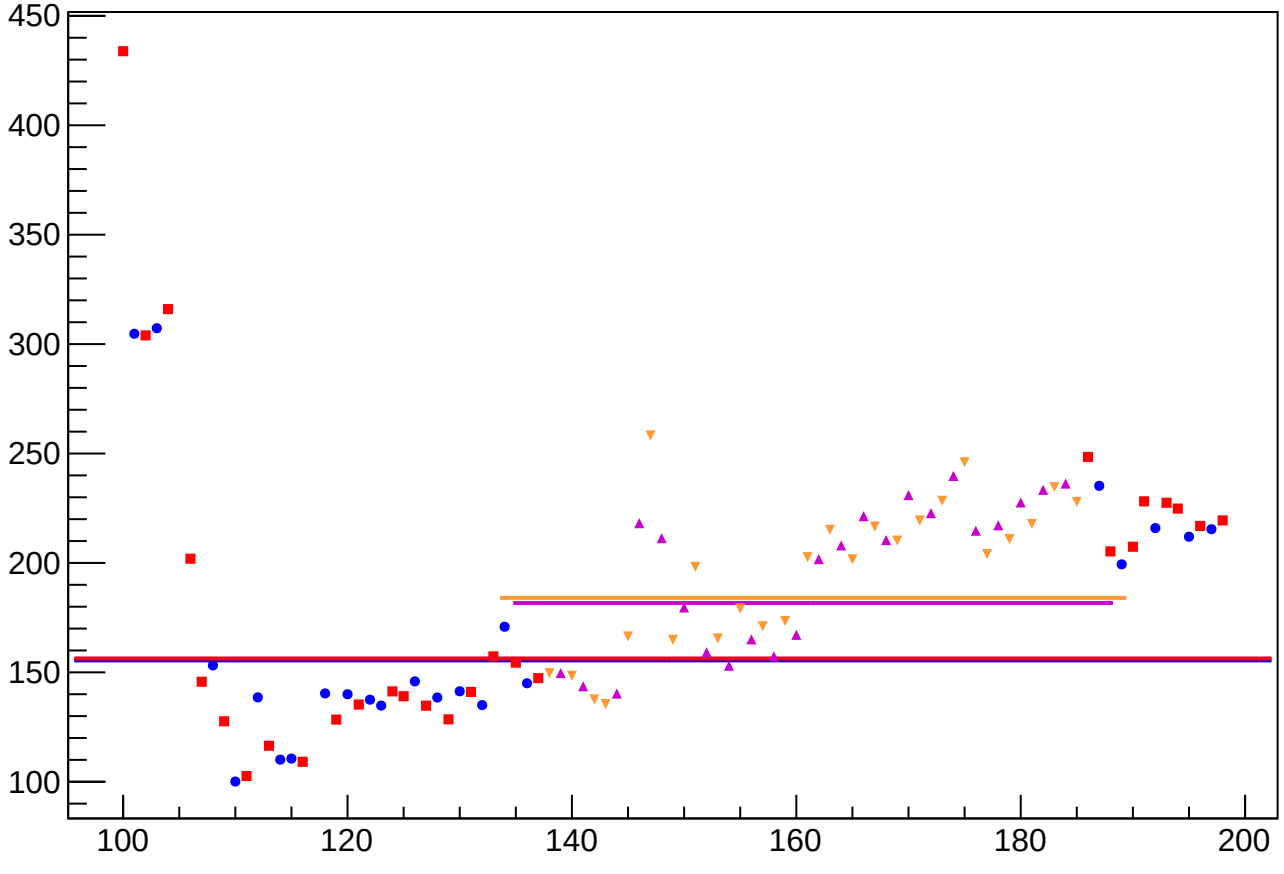
Right: 125589.379+/-0.035 χ^2/NDF: 13656785657.

In: 125906.983+/-0.034 χ^2/NDF:11459838151.8/

Out: 125602.107+/-0.032 χ^2/NDF:14782907113.7

All: 125746.583+/-0.023 χ^2/NDF: 26284886

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 155.463+/-0.037 χ^2/NDF: 1388557.8/21

Left Out: 184.029+/-0.031 χ^2/NDF:1126592.5/24

Right Out: 156.338+/-0.034 χ^2/NDF: 2052697.7/26

Left In: 181.714+/-0.032 χ^2/NDF:1116142.0/22

Left: 182.890+/-0.022 χ^2/NDF: 2245464.4/47

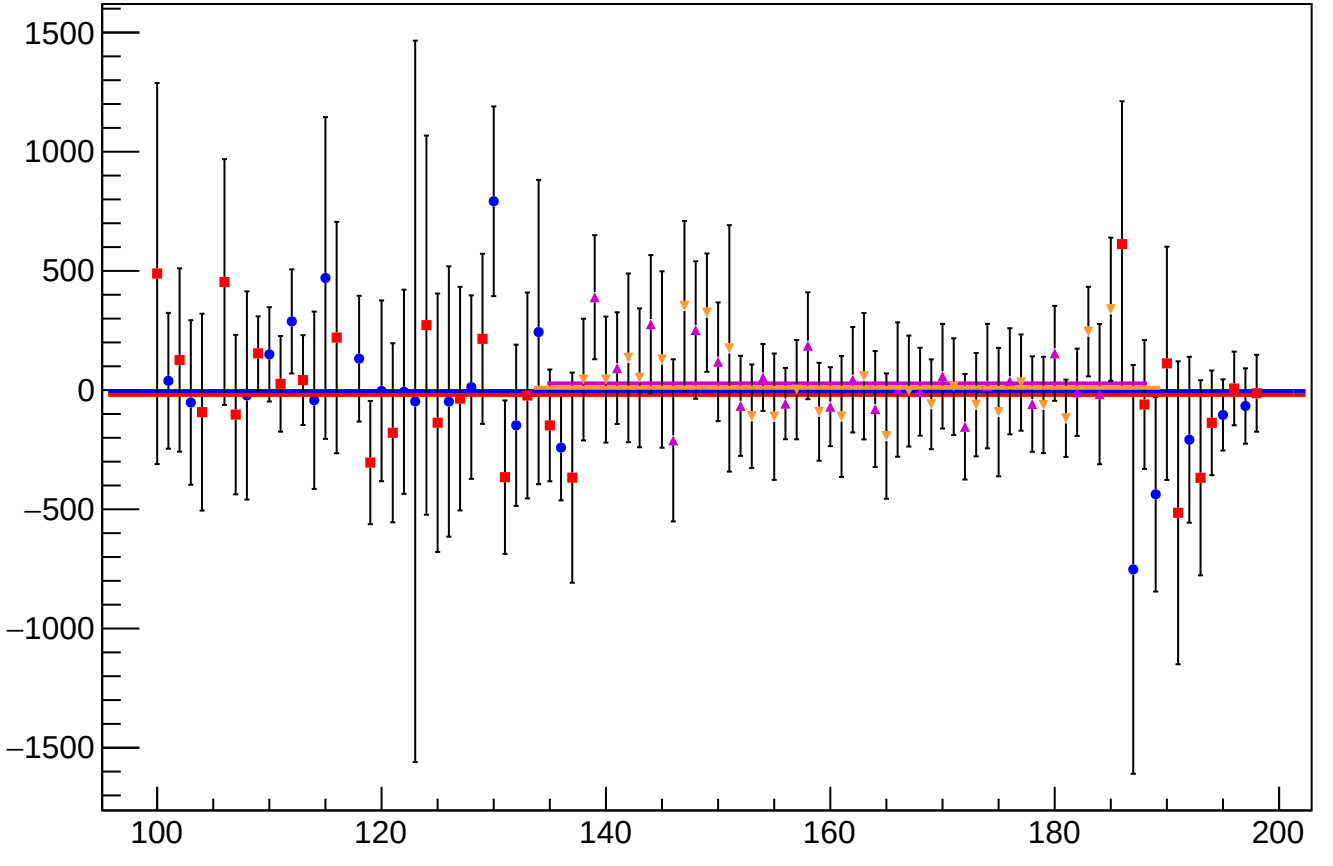
Right: 155.944+/-0.025 χ^2/NDF: 3441559.2/48

In: 170.733+/-0.024 χ^2/NDF:2793711.6/44

Out: 171.314+/-0.023 χ^2/NDF:3543668.4/51

All: 171.039+/-0.017 χ^2/NDF: 6337685.8/96

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -4.010+/-62.316 χ^2/NDF: 11.5/21

Left Out: 10.078+/-47.488 χ^2/NDF:8.5/24

Right Out: -19.987+/-54.745 χ^2/NDF: 10.1/26

Left In: 28.050+/-44.573 χ^2/NDF:7.0/22

Left: 19.632+/-32.499 χ^2/NDF: 15.5/47

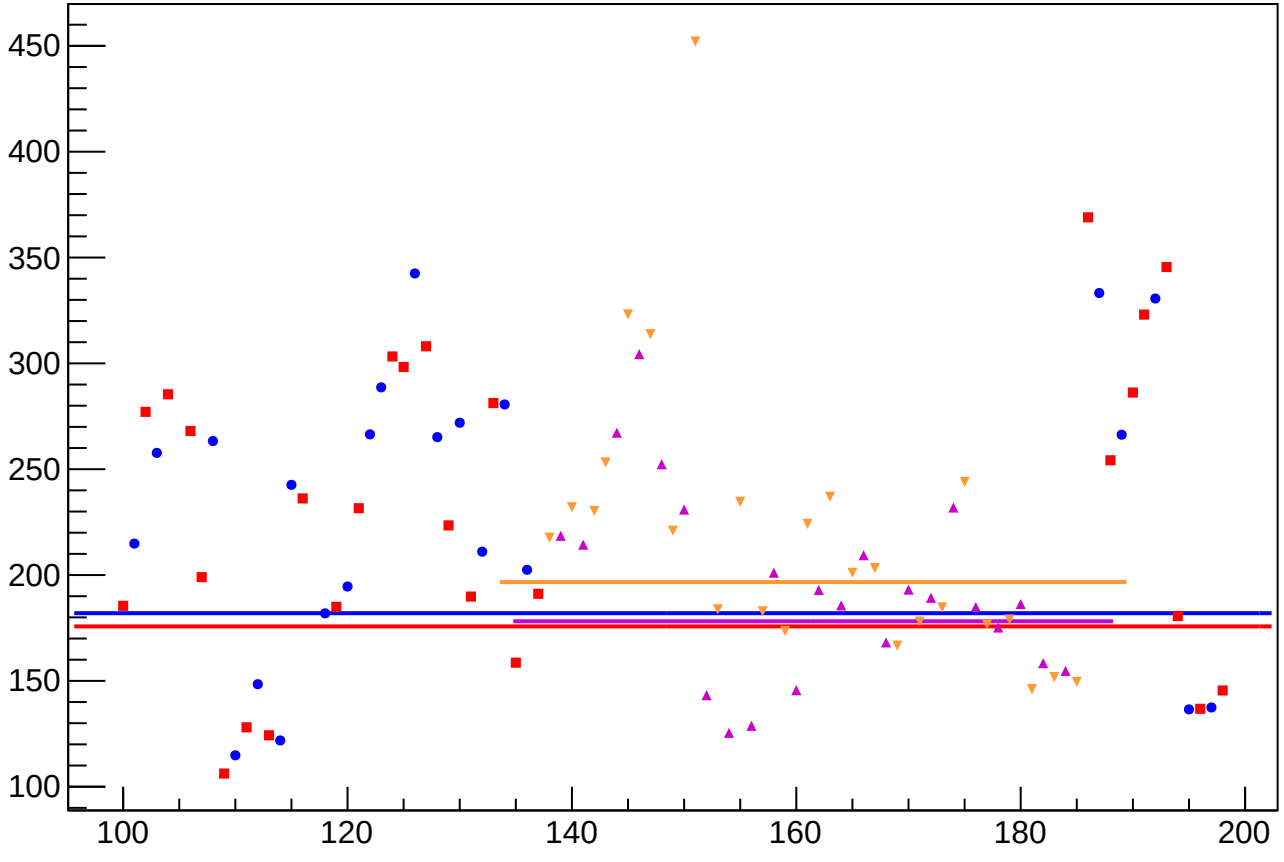
Right: -13.027+/-41.129 χ^2/NDF: 21.7/48

In: 17.199+/-36.253 χ^2/NDF:18.7/44

Out: -2.831+/-35.873 χ^2/NDF:18.7/51

All: 7.078+/-25.499 χ^2/NDF: 37.5/96

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 181.972+/-0.044 χ^2/NDF: 1921573.5/21

Left Out: 196.682+/-0.034 χ^2/NDF:1782715.7/24

Right Out: 175.732+/-0.039 χ^2/NDF: 2709428.6/26

Left In: 178.166+/-0.032 χ^2/NDF:1618967.9/22

Left: 186.838+/-0.023 χ^2/NDF: 3563331.3/47

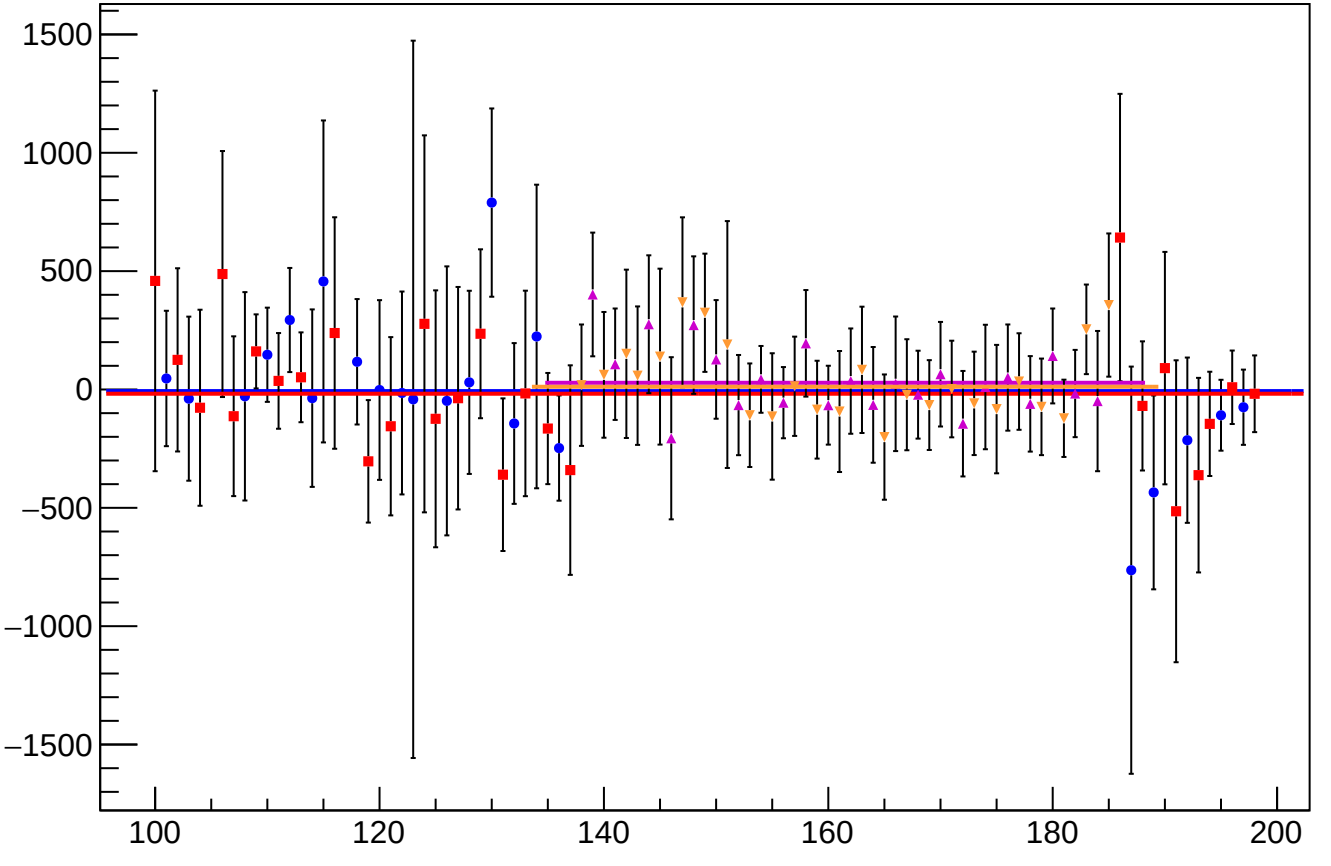
Right: 178.450+/-0.029 χ^2/NDF: 4642319.8/48

In: 179.454+/-0.026 χ^2/NDF:3545477.6/44

Out: 187.686+/-0.025 χ^2/NDF:4659268.5/51

All: 183.614+/-0.018 χ^2/NDF: 8256858.7/96

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -6.761+/-62.611 χ^2/NDF: 11.6/21

Left Out: 11.479+/-47.819 χ^2/NDF:8.8/24

Right Out: -17.962+/-55.033 χ^2/NDF: 10.3/26

Left In: 28.280+/-44.863 χ^2/NDF:7.1/22

Left: 20.415+/-32.718 χ^2/NDF: 16.0/47

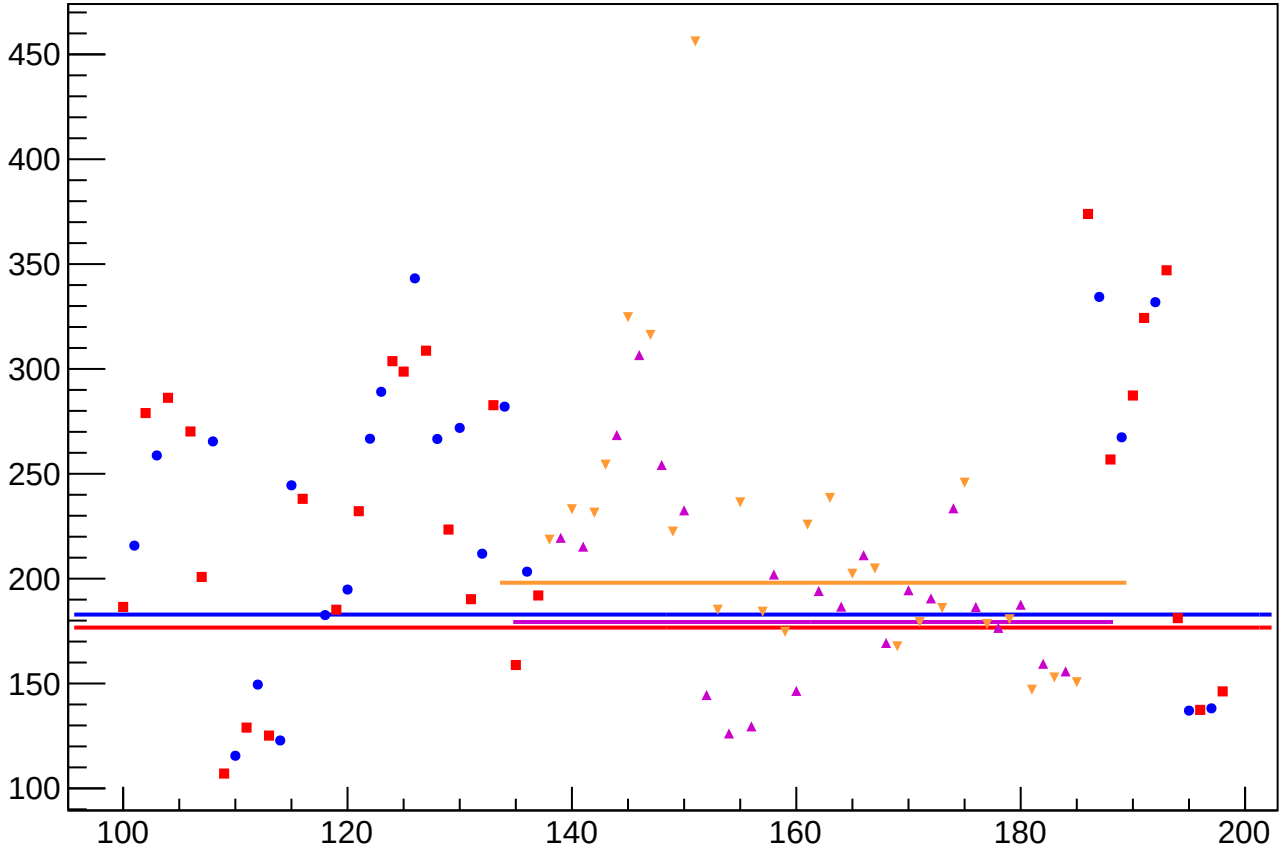
Right: -13.080+/-41.335 χ^2/NDF: 21.9/48

In: 16.392+/-36.468 χ^2/NDF:18.9/44

Out: -1.187+/-36.096 χ^2/NDF:19.3/51

All: 7.513+/-25.654 χ^2/NDF: 38.3/96

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 182.874+/-0.044 χ^2/NDF: 1912659.2/21

Left Out: 198.059+/-0.034 χ^2/NDF:1778526.5/24

Right Out: 176.680+/-0.039 χ^2/NDF: 2703273.1/26

Left In: 179.324+/-0.032 χ^2/NDF:1618266.2/22

Left: 188.094+/-0.023 χ^2/NDF: 3560073.1/47

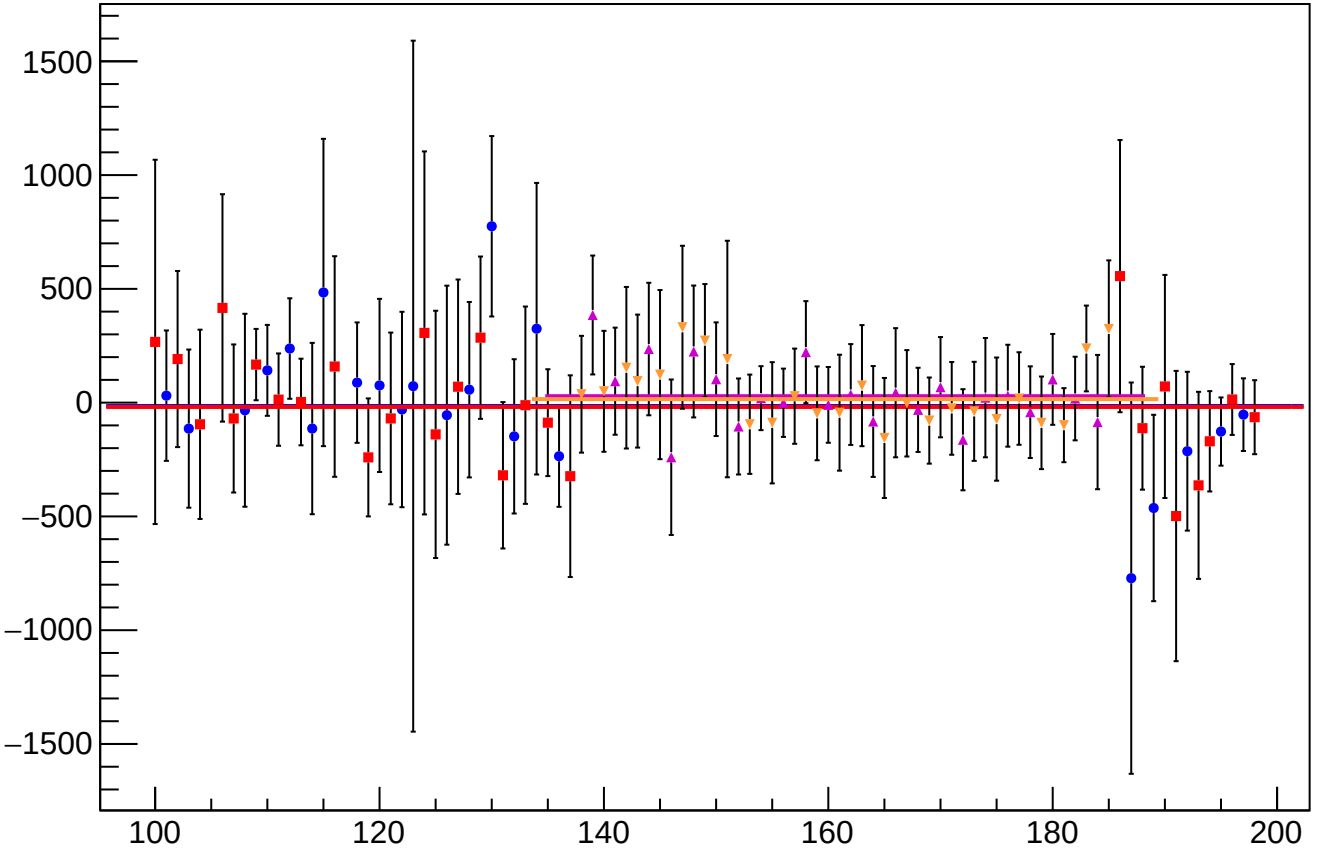
Right: 179.380+/-0.029 χ^2/NDF: 4626977.7/48

In: 180.528+/-0.026 χ^2/NDF:3535175.2/44

Out: 188.861+/-0.026 χ^2/NDF:4653783.9/51

All: 184.738+/-0.018 χ^2/NDF: 8241707.8/96

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -14.970+/-62.663 χ^2/NDF: 11.2/21

Left Out: 15.437+/-47.695 χ^2/NDF:7.0/24

Right Out: -18.938+/-55.010 χ^2/NDF: 8.9/26

Left In: 28.277+/-44.743 χ^2/NDF:6.4/22

Left: 22.267+/-32.632 χ^2/NDF: 13.4/47

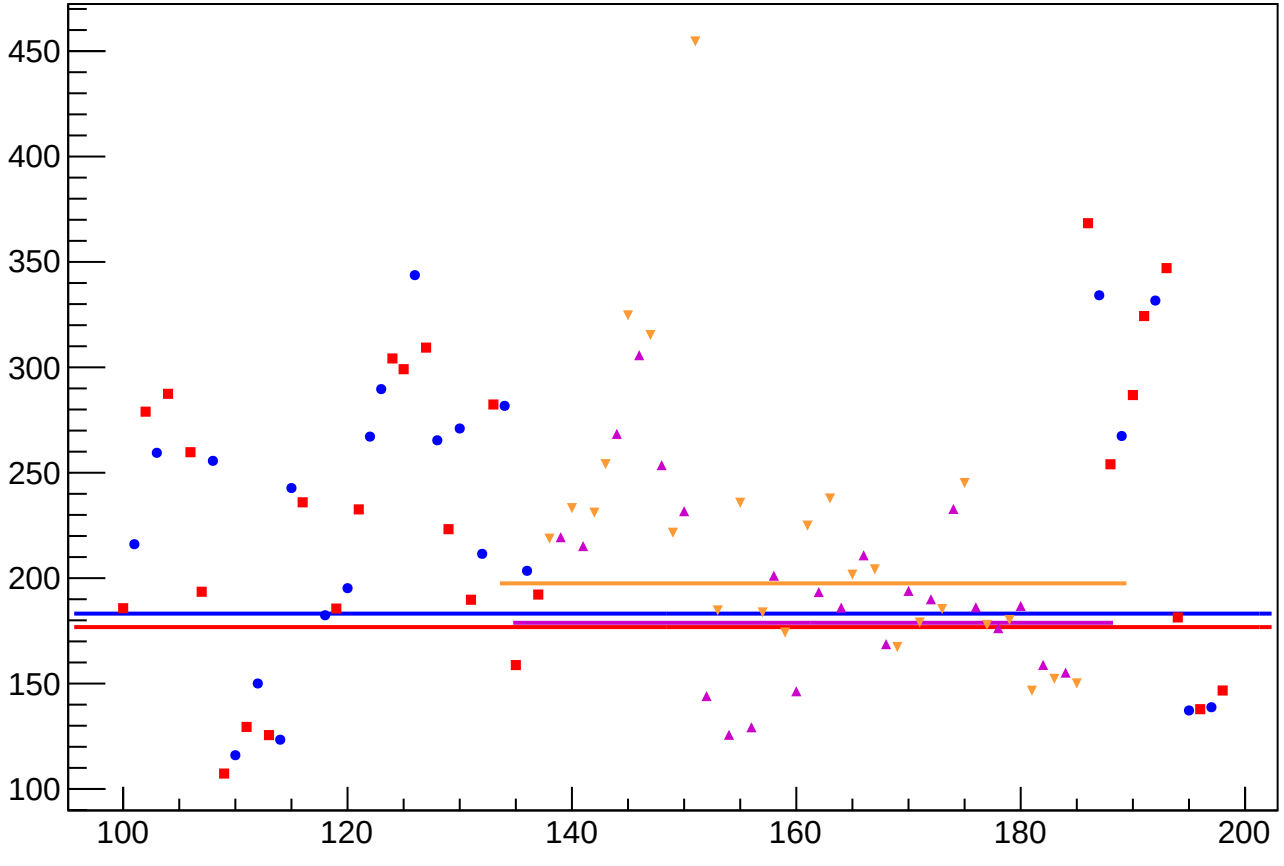
Right: -17.211+/-41.340 χ^2/NDF: 20.1/48

In: 13.673+/-36.414 χ^2/NDF:17.9/44

Out: 0.686+/-36.036 χ^2/NDF:16.1/51

All: 7.112+/-25.614 χ^2/NDF: 34.1/96

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 183.179+/-0.044 χ^2/NDF: 1883974.9/21

Left Out: 197.527+/-0.034 χ^2/NDF:1784225.5/24

Right Out: 176.783+/-0.039 χ^2/NDF: 2659617.0/26

Left In: 178.836+/-0.032 χ^2/NDF:1622266.9/22

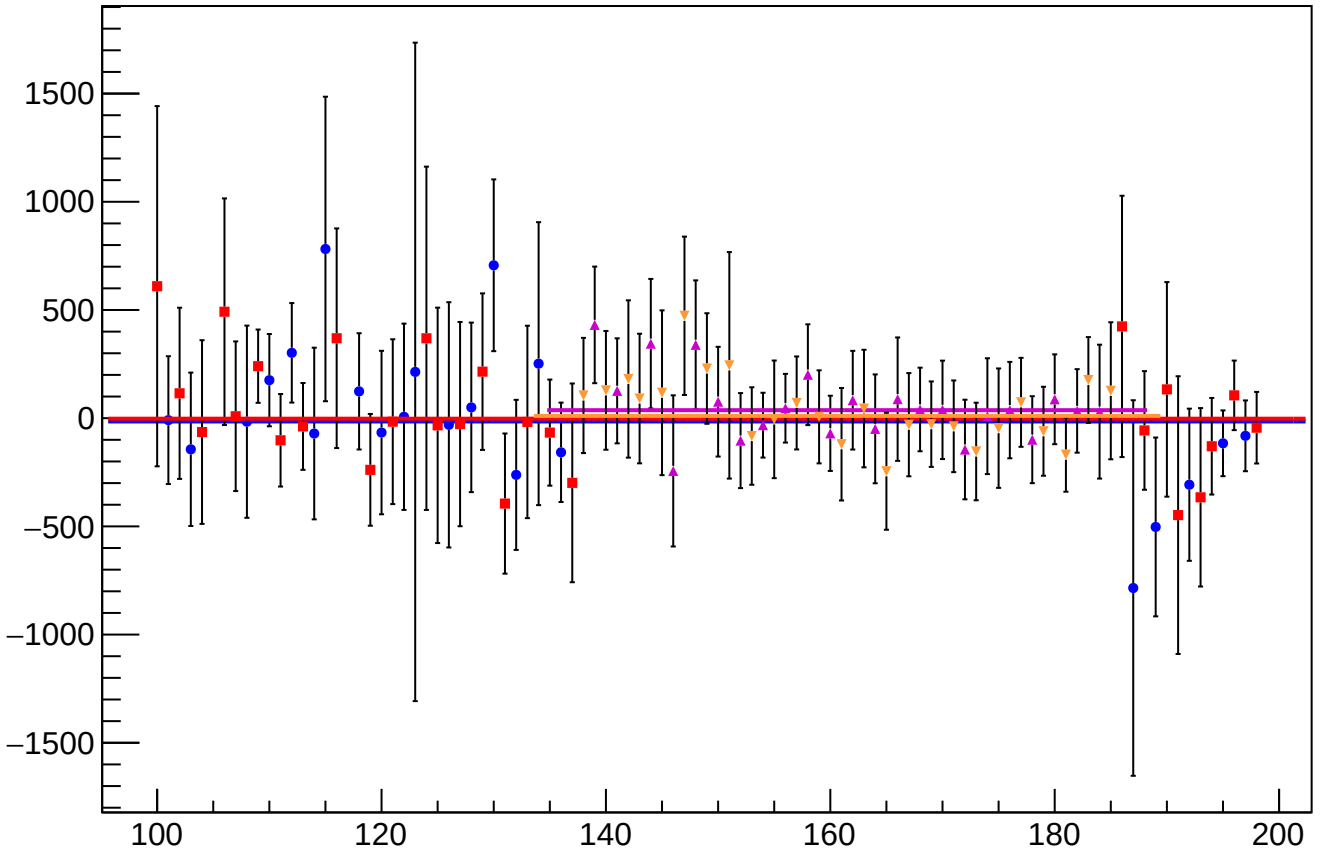
Left: 187.585+/-0.023 χ^2/NDF: 3569877.1/47

Right: 179.567+/-0.029 χ^2/NDF: 4555358.6/48

In: 180.302+/-0.026 χ^2/NDF:3512606.0/44

Out: 188.625+/-0.025 χ^2/NDF:4606197.6/51

All: 184.507+/-0.018 χ^2/NDF: 8171592.1/96



Right In: -15.106+/-64.284 χ^2/NDF: 12.3/21

Left Out: 10.534+/-49.197 χ^2/NDF:7.5/24

Right Out: -2.358+/-56.829 χ^2/NDF: 10.5/26

Left In: 37.000+/-46.358 χ^2/NDF:7.9/22

Left: 24.553+/-33.739 χ^2/NDF: 15.5/47

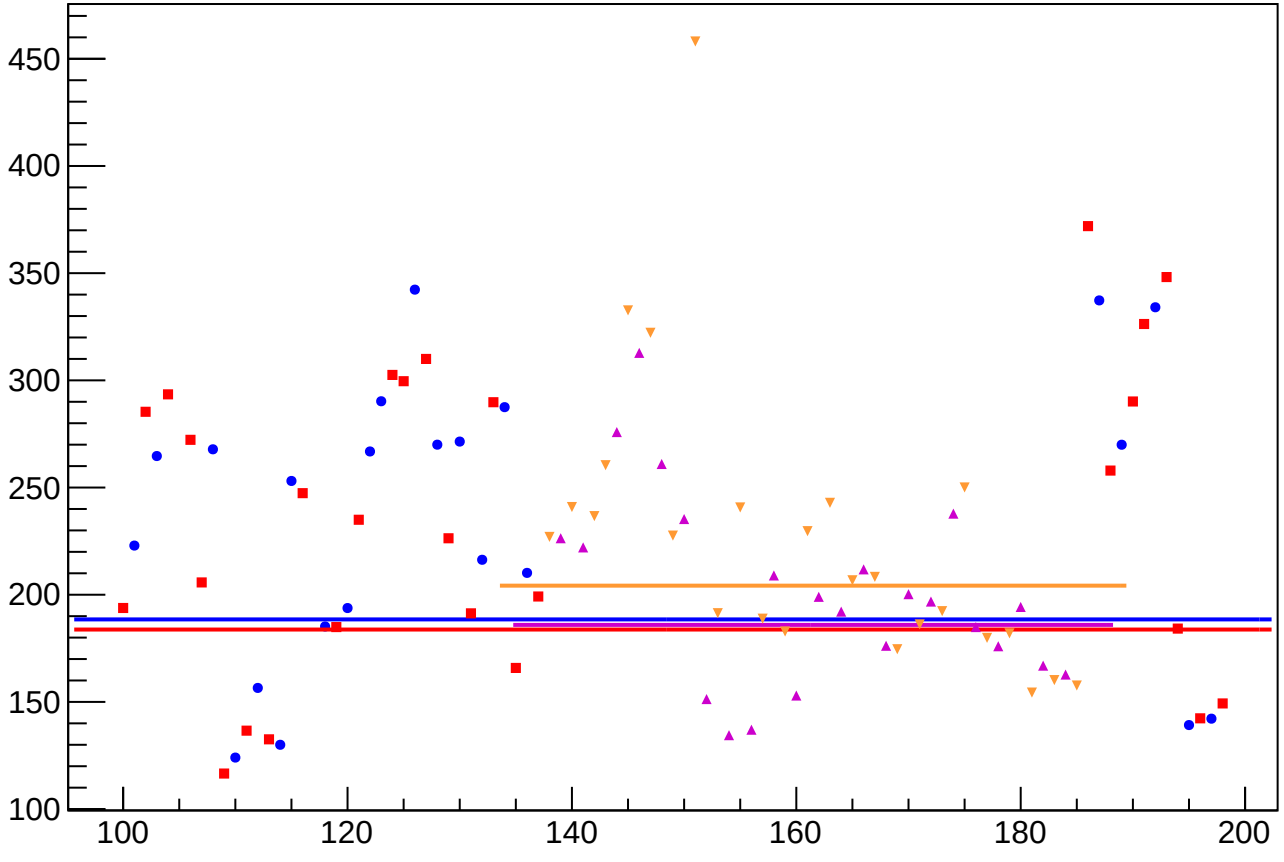
Right: -7.950+/-42.577 χ^2/NDF: 22.8/48

In: 19.173+/-37.601 χ^2/NDF:20.6/44

Out: 5.011+/-37.195 χ^2/NDF:18.0/51

All: 12.016+/-26.443 χ^2/NDF: 38.7/96

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 188.490+/-0.045 χ^2/NDF: 1789194.1/21

Left Out: 204.236+/-0.035 χ^2/NDF:1675666.0/24

Right Out: 183.761+/-0.040 χ^2/NDF: 2444451.0/26

Left In: 185.931+/-0.033 χ^2/NDF:1460065.0/22

Left: 194.540+/-0.024 χ^2/NDF: 3282383.3/47

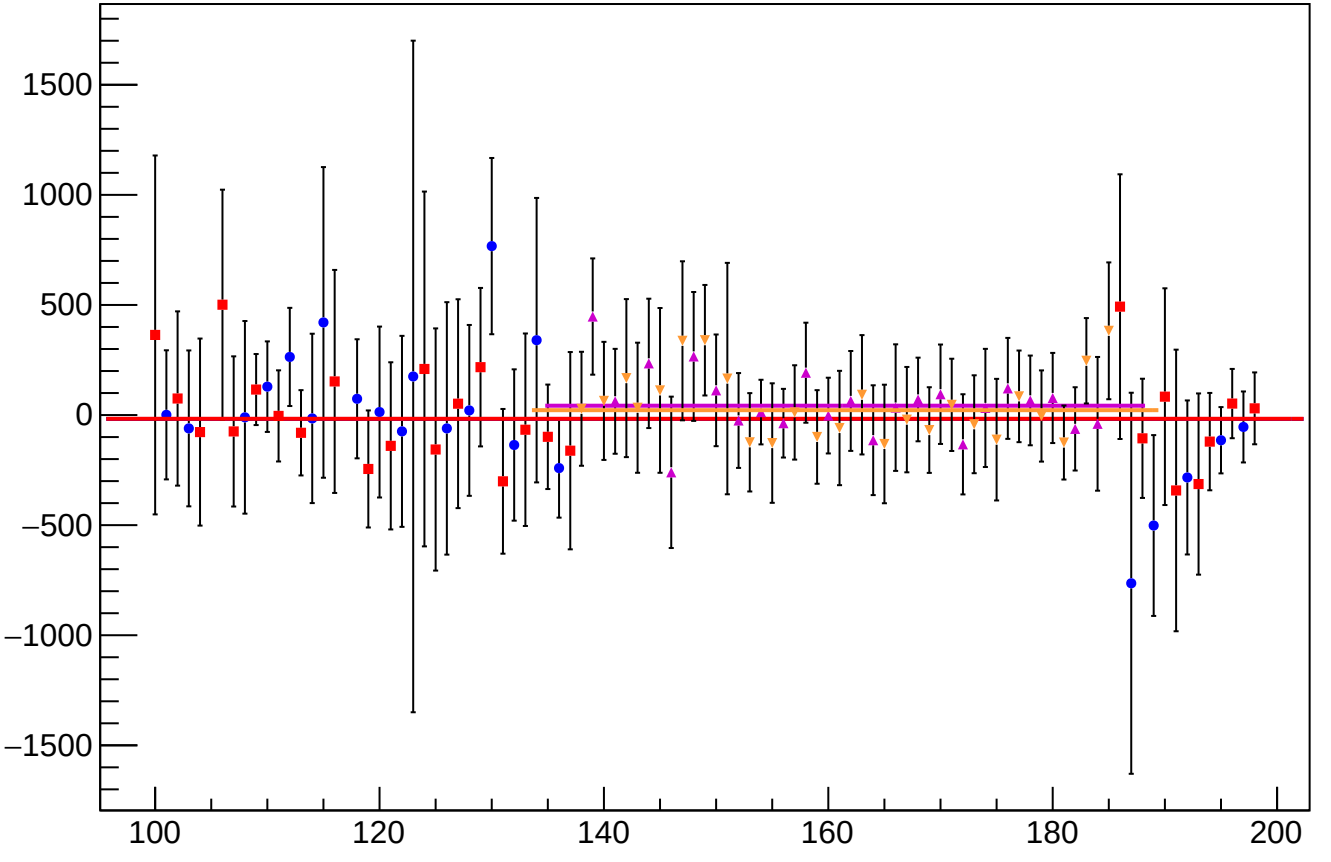
Right: 185.835+/-0.030 χ^2/NDF: 4239721.6/48

In: 186.807+/-0.027 χ^2/NDF:3251343.5/44

Out: 195.465+/-0.026 χ^2/NDF:4268523.6/51

All: 191.183+/-0.019 χ^2/NDF: 7573459.4/96

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -17.849+/-63.497 χ^2/NDF: 11.1/21

Left Out: 22.189+/-48.738 χ^2/NDF:8.4/24

Right Out: -17.034+/-55.846 χ^2/NDF: 6.8/26

Left In: 42.446+/-45.861 χ^2/NDF:6.7/22

Left: 32.933+/-33.399 χ^2/NDF: 15.2/47

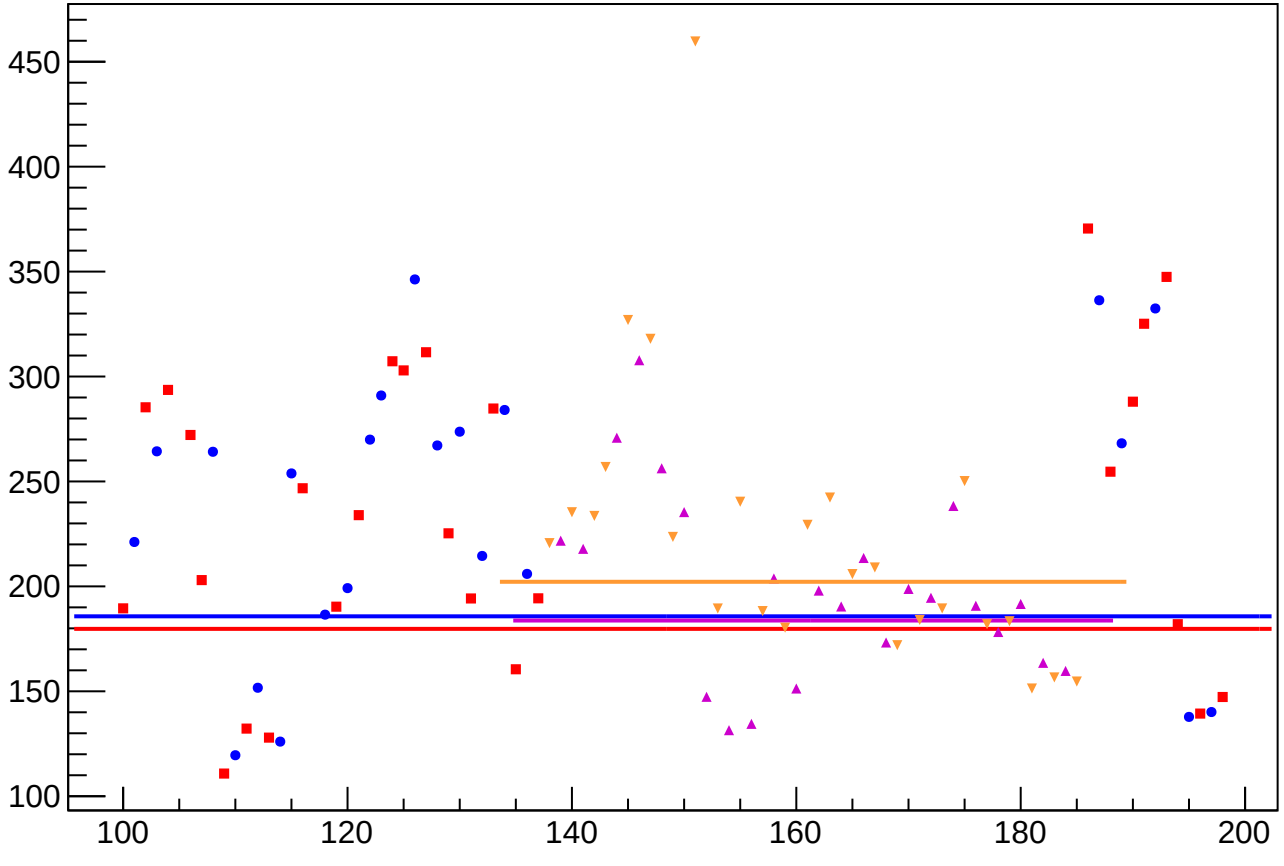
Right: -17.389+/-41.935 χ^2/NDF: 17.9/48

In: 21.776+/-37.178 χ^2/NDF:18.4/44

Out: 5.231+/-36.721 χ^2/NDF:15.4/51

All: 13.401+/-26.126 χ^2/NDF: 34.0/96

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 185.731+/-0.045 χ^2/NDF: 1873945.5/21

Left Out: 202.186+/-0.034 χ^2/NDF:1696571.9/24

Right Out: 179.752+/-0.039 χ^2/NDF: 2620394.3/26

Left In: 183.732+/-0.032 χ^2/NDF:1495930.4/22

Left: 192.398+/-0.024 χ^2/NDF: 3344580.1/47

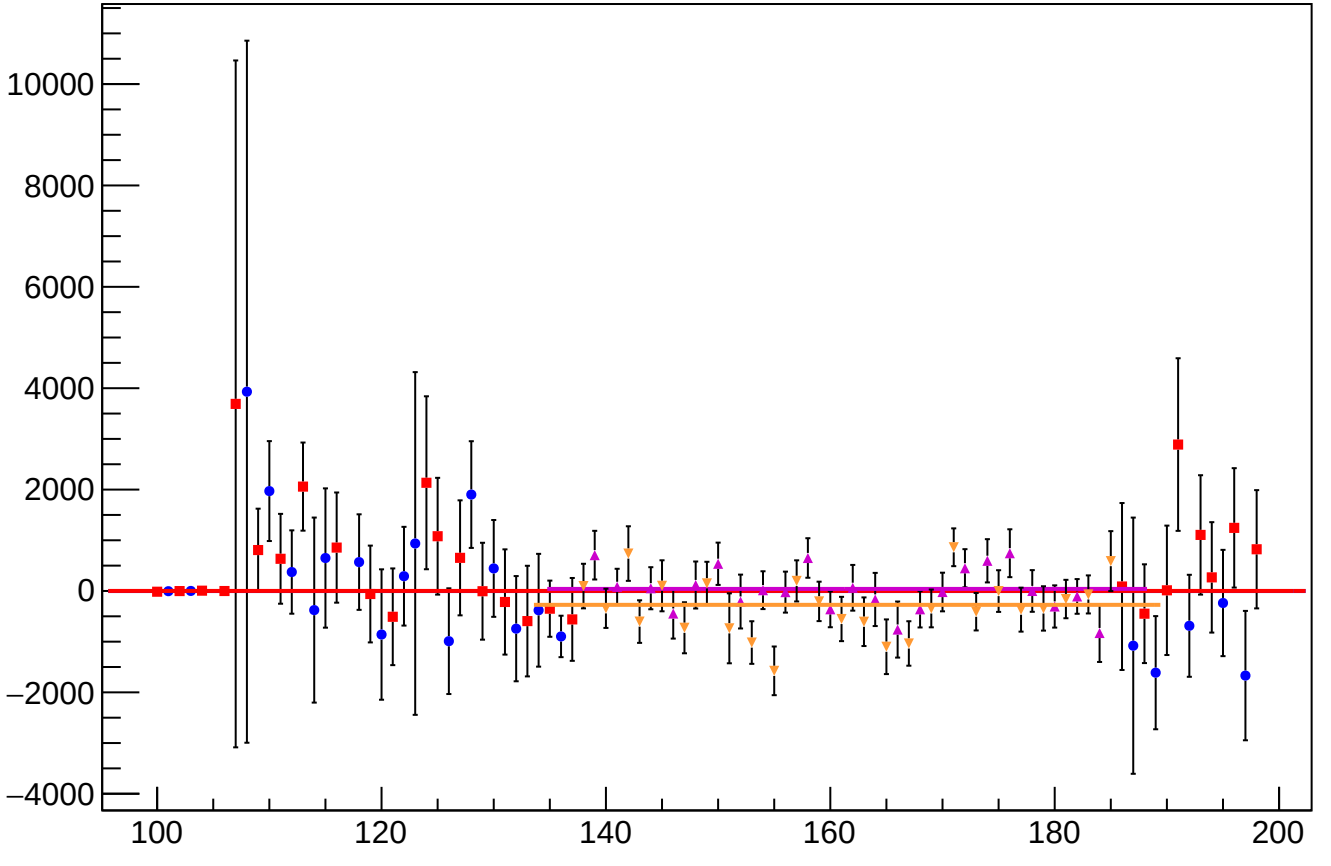
Right: 182.360+/-0.030 χ^2/NDF: 4504336.9/48

In: 184.417+/-0.026 χ^2/NDF:3371178.1/44

Out: 192.487+/-0.026 χ^2/NDF:4500170.3/51

All: 188.502+/-0.018 χ^2/NDF: 7919042.7/96

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.546+/-2.251 χ^2/NDF: 21.4/21

Left Out: -273.664+/-86.869 χ^2/NDF:38.3/24

Right Out: 0.745+/-2.111 χ^2/NDF: 23.9/26

Left In: 40.480+/-87.470 χ^2/NDF:20.2/22

Left: -117.675+/-61.637 χ^2/NDF: 65.0/47

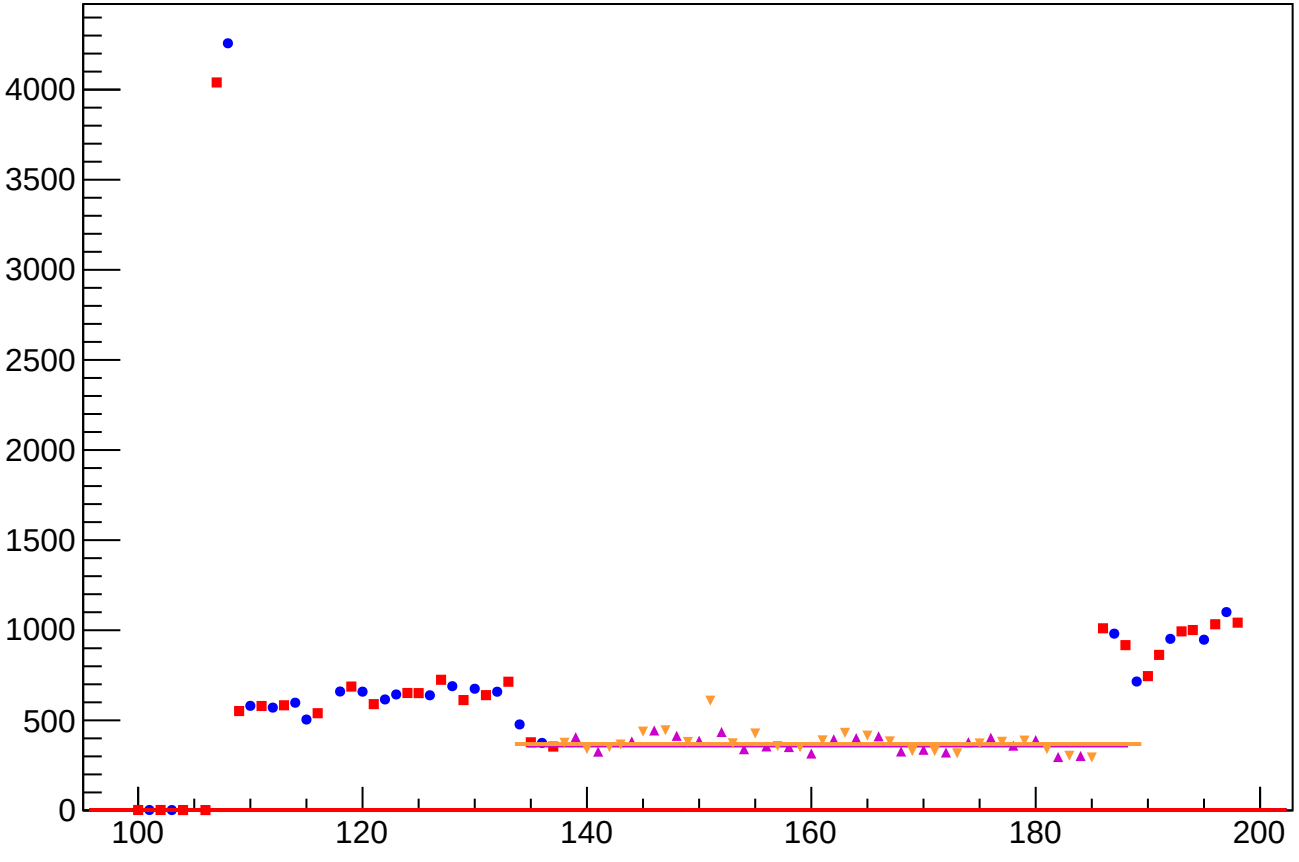
Right: -0.327+/-1.540 χ^2/NDF: 45.8/48

In: -1.518+/-2.251 χ^2/NDF:41.8/44

Out: 0.583+/-2.110 χ^2/NDF:72.2/51

All: -0.400+/-1.540 χ^2/NDF: 114.4/96

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.472+/-0.002 χ^2/NDF: 16671839.2/21

Left Out: 368.500+/-0.061 χ^2/NDF:623011.6/24

Right Out: 2.459+/-0.001 χ^2/NDF: 21015555.1/26

Left In: 360.571+/-0.062 χ^2/NDF:421995.5/22

Left: 364.563+/-0.044 χ^2/NDF: 1053279.8/47

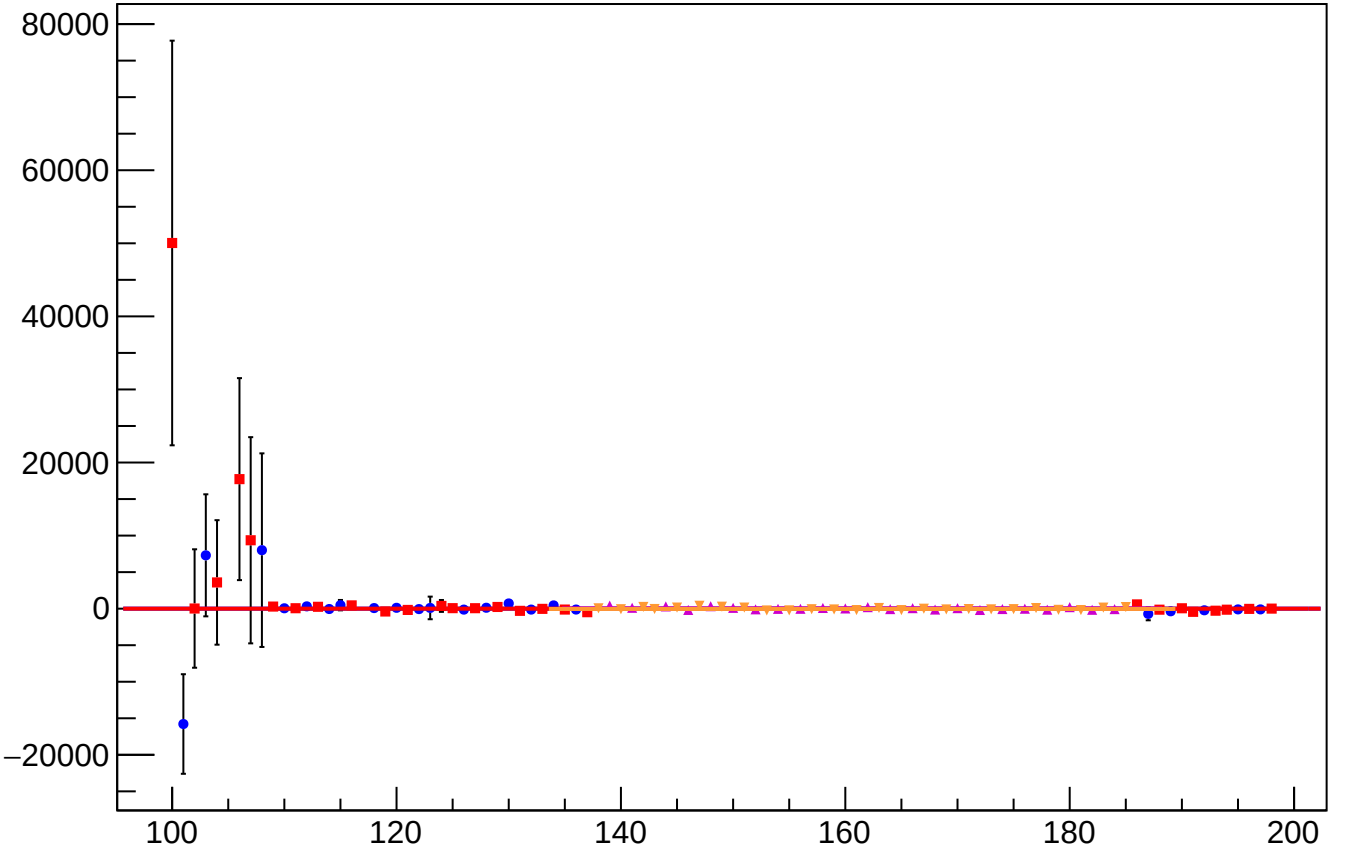
Right: 2.465+/-0.001 χ^2/NDF: 37687427.8/48

In: 2.709+/-0.002 χ^2/NDF:50592807.0/44

Out: 2.675+/-0.001 χ^2/NDF:57128041.5/51

All: 2.691+/-0.001 χ^2/NDF: 107721086.6/96

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 1.591+/-70.539 χ^2/NDF: 15.6/21

Left Out: -39.036+/-49.576 χ^2/NDF:9.1/24

Right Out: -1.165+/-63.410 χ^2/NDF: 16.8/26

Left In: 28.062+/-48.032 χ^2/NDF:9.6/22

Left: -4.426+/-34.497 χ^2/NDF: 19.7/47

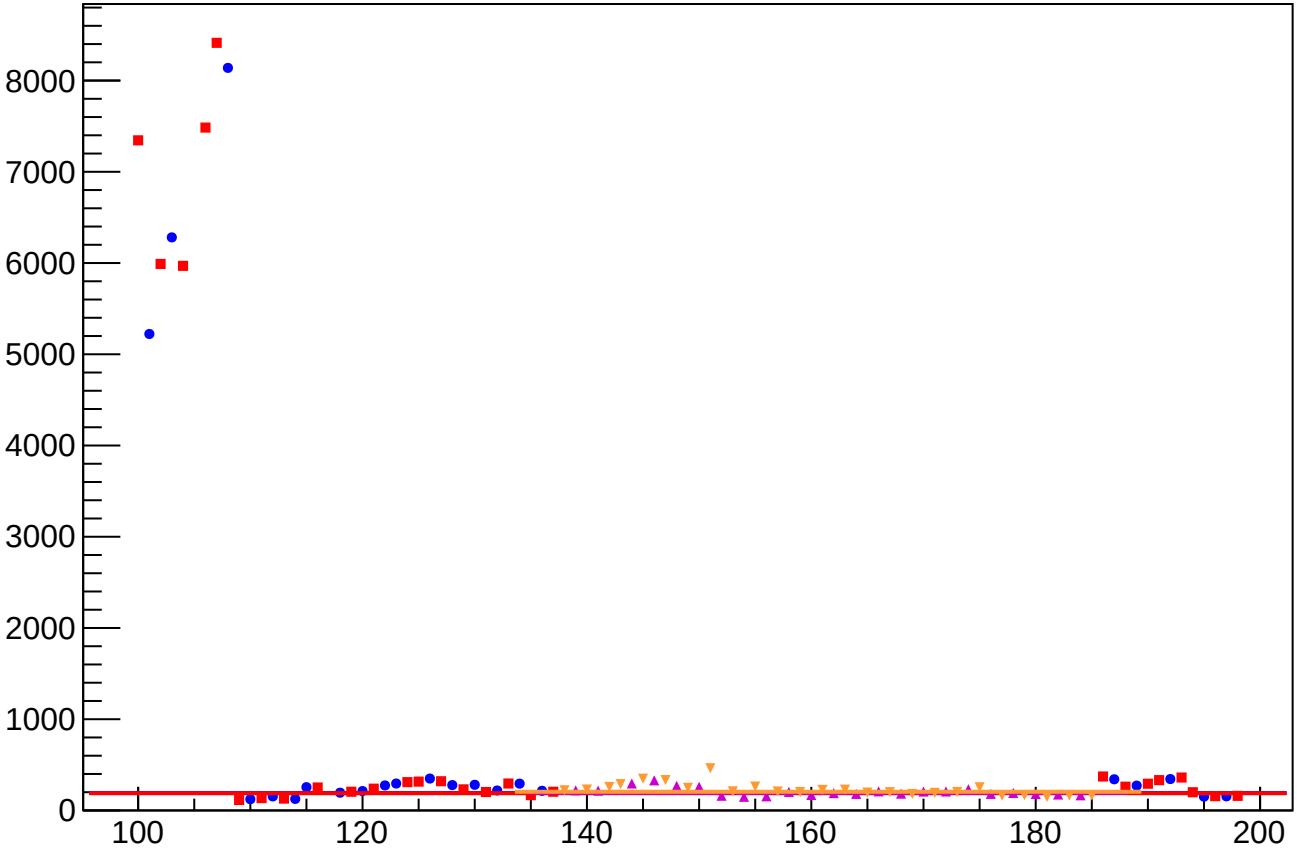
Right: 0.067+/-47.157 χ^2/NDF: 32.4/48

In: 19.676+/-39.702 χ^2/NDF:25.3/44

Out: -24.669+/-39.056 χ^2/NDF:26.1/51

All: -2.860+/-27.842 χ^2/NDF: 52.1/96

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 191.074+/-0.050 χ^2/NDF: 4401330.6/21

Left Out: 205.114+/-0.035 χ^2/NDF:1957484.4/24

Right Out: 189.241+/-0.045 χ^2/NDF: 5288868.1/26

Left In: 193.616+/-0.034 χ^2/NDF:1179471.1/22

Left: 199.183+/-0.024 χ^2/NDF: 3192443.5/47

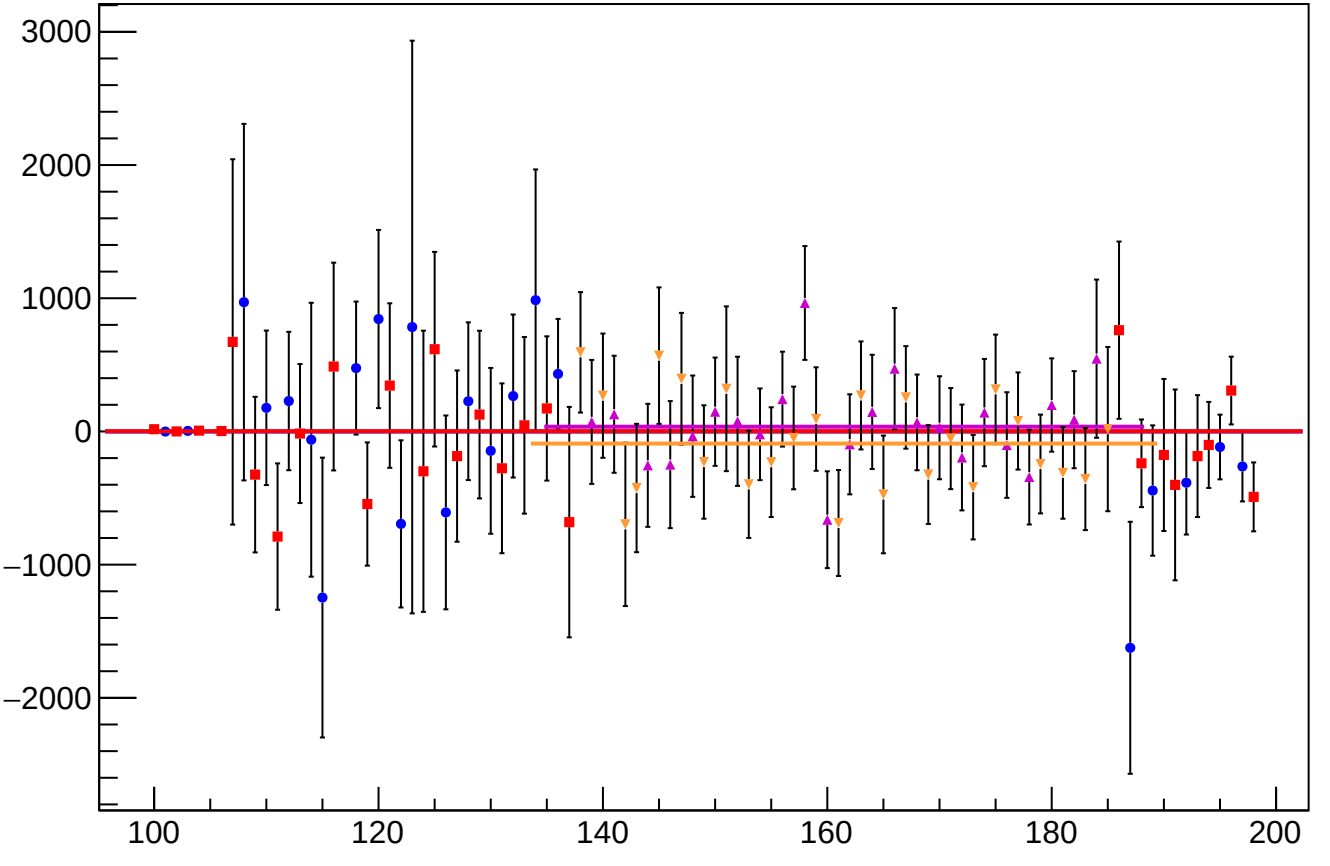
Right: 190.060+/-0.033 χ^2/NDF: 9690945.7/48

In: 192.811+/-0.028 χ^2/NDF:5582576.6/44

Out: 199.092+/-0.028 χ^2/NDF:7324133.2/51

All: 196.003+/-0.020 χ^2/NDF: 12932151.0/96

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.177+/-1.736 χ^2/NDF: 16.1/21

Left Out: -90.945+/-84.079 χ^2/NDF:16.4/24

Right Out: 1.306+/-1.622 χ^2/NDF: 16.9/26

Left In: 35.488+/-84.382 χ^2/NDF:13.4/22

Left: -27.956+/-59.560 χ^2/NDF: 31.0/47

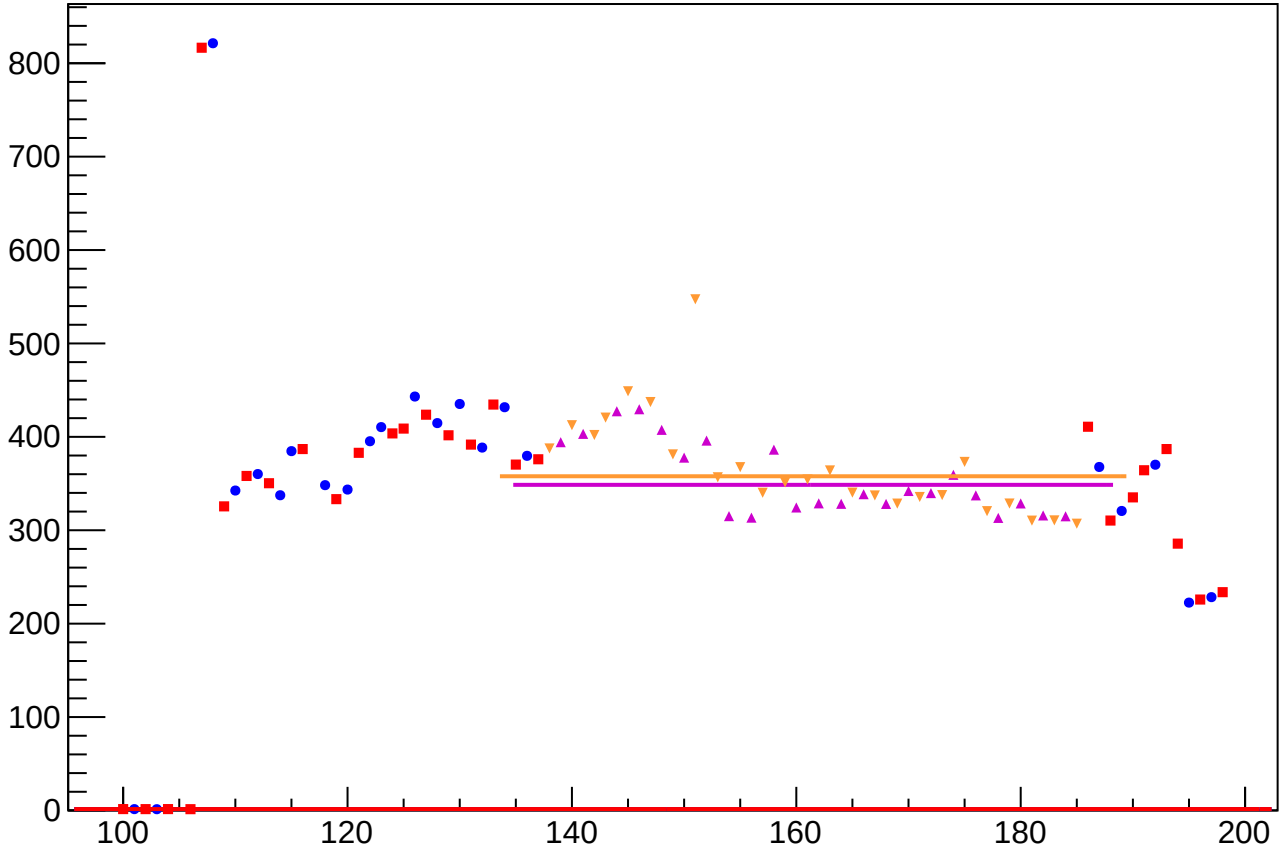
Right: 0.615+/-1.186 χ^2/NDF: 33.3/48

In: -0.162+/-1.736 χ^2/NDF:29.7/44

Out: 1.272+/-1.622 χ^2/NDF:34.5/51

All: 0.604+/-1.185 χ^2/NDF: 64.6/96

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.486+/-0.001 χ^2/NDF: 16870769.3/21

Left Out: 357.804+/-0.059 χ^2/NDF:547036.5/24

Right Out: 1.496+/-0.001 χ^2/NDF: 20682526.5/26

Left In: 348.611+/-0.060 χ^2/NDF:362511.2/22

Left: 353.224+/-0.042 χ^2/NDF: 921460.0/47

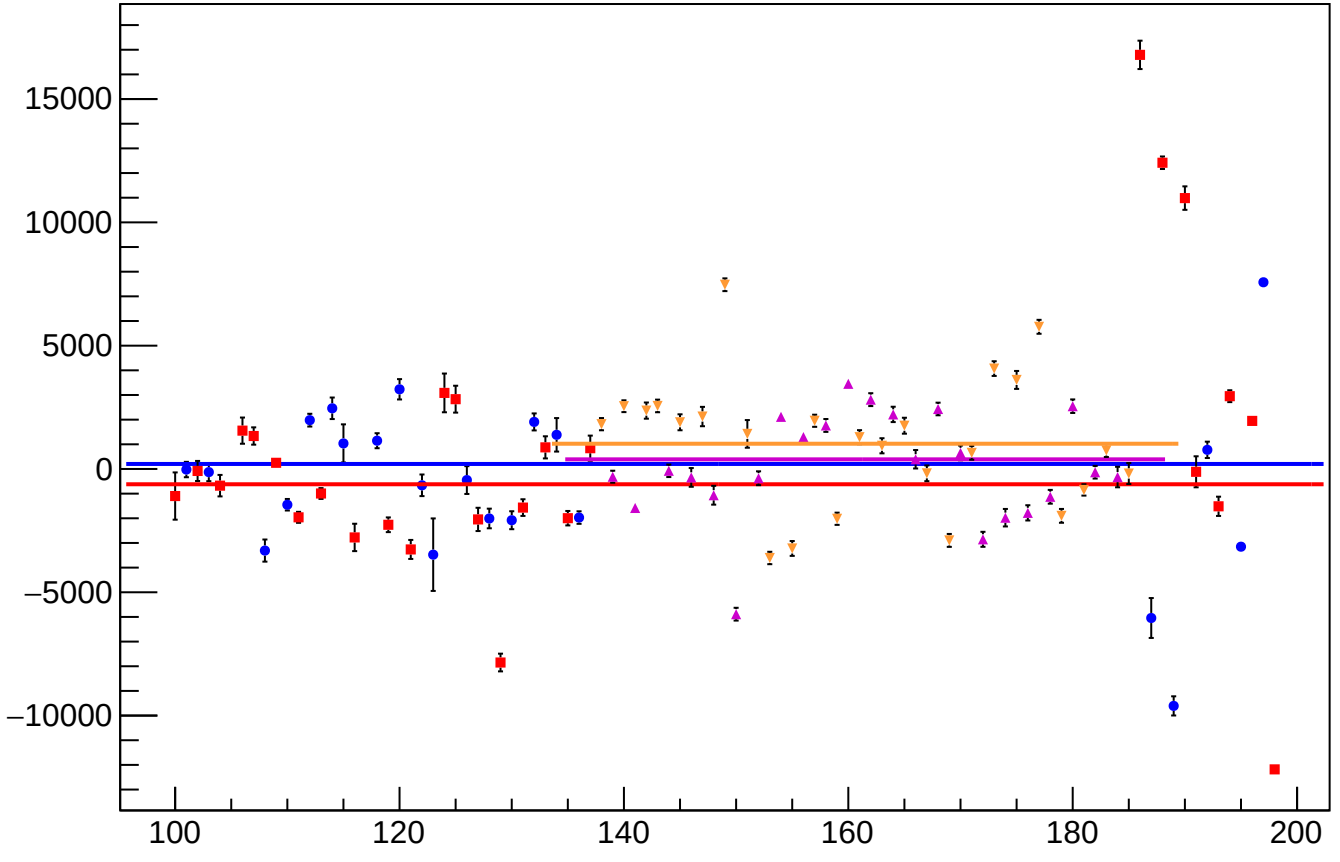
Right: 1.491+/-0.001 χ^2/NDF: 37553330.2/48

In: 1.633+/-0.001 χ^2/NDF:51064304.1/44

Out: 1.628+/-0.001 χ^2/NDF:57134163.8/51

All: 1.630+/-0.001 χ^2/NDF: 108198474.9/96

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 203.052+/-69.594 χ^2/NDF: 3084.0/21

Left Out: 1023.439+/-57.338 χ^2/NDF:2309.4/24

Right Out: -620.169+/-60.535 χ^2/NDF: 9441.2/26

Left In: 390.237+/-54.931 χ^2/NDF:1584.9/22

Left: 693.270+/-39.666 χ^2/NDF: 3957.9/47

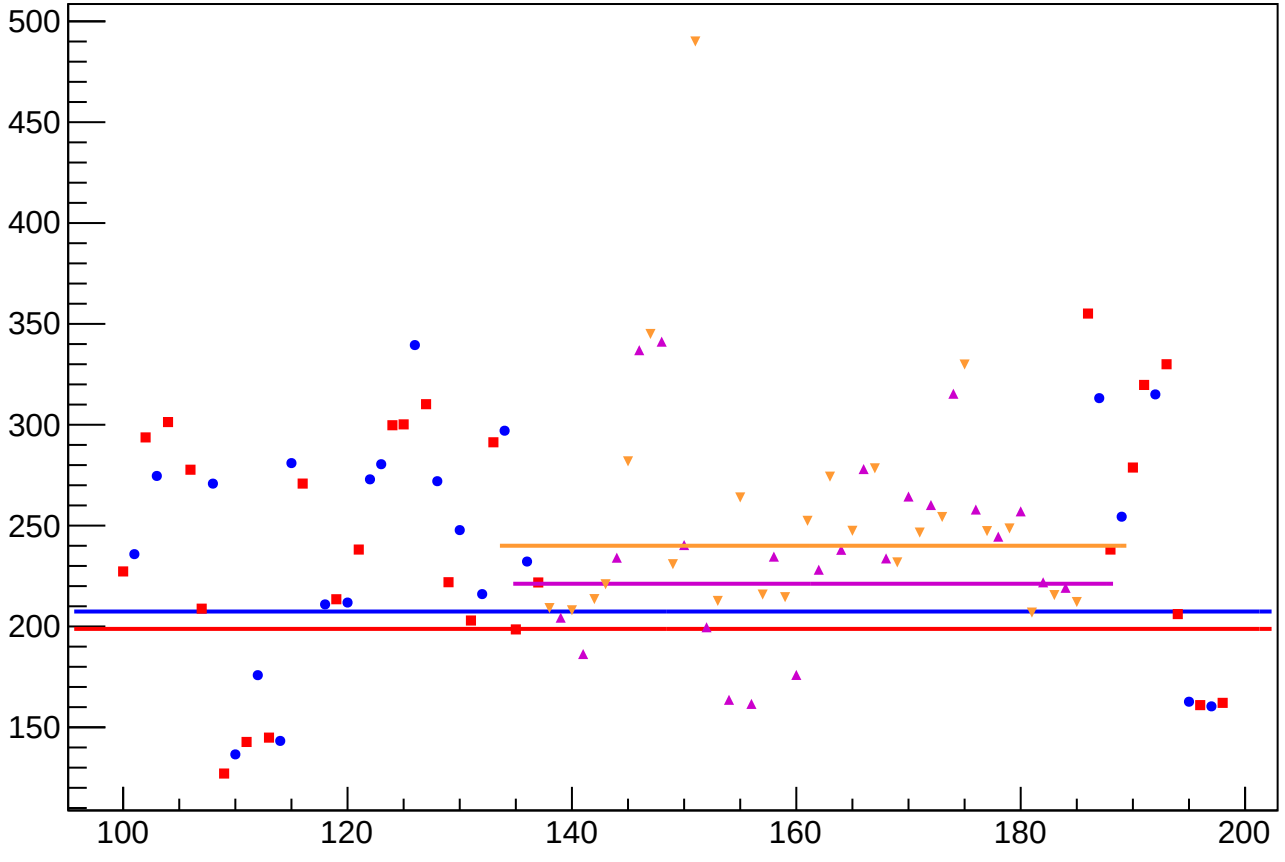
Right: -265.591+/-45.674 χ^2/NDF: 12604.9/48

In: 318.384+/-43.118 χ^2/NDF:4673.4/44

Out: 246.180+/-41.628 χ^2/NDF:12139.2/51

All: 281.013+/-29.948 χ^2/NDF: 16814.0/96

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 207.406+/-0.049 χ^2/NDF: 1220860.8/21

Left Out: 240.019+/-0.041 χ^2/NDF:1002427.9/24

Right Out: 198.790+/-0.043 χ^2/NDF: 1915053.8/26

Left In: 221.173+/-0.039 χ^2/NDF:1342517.8/22

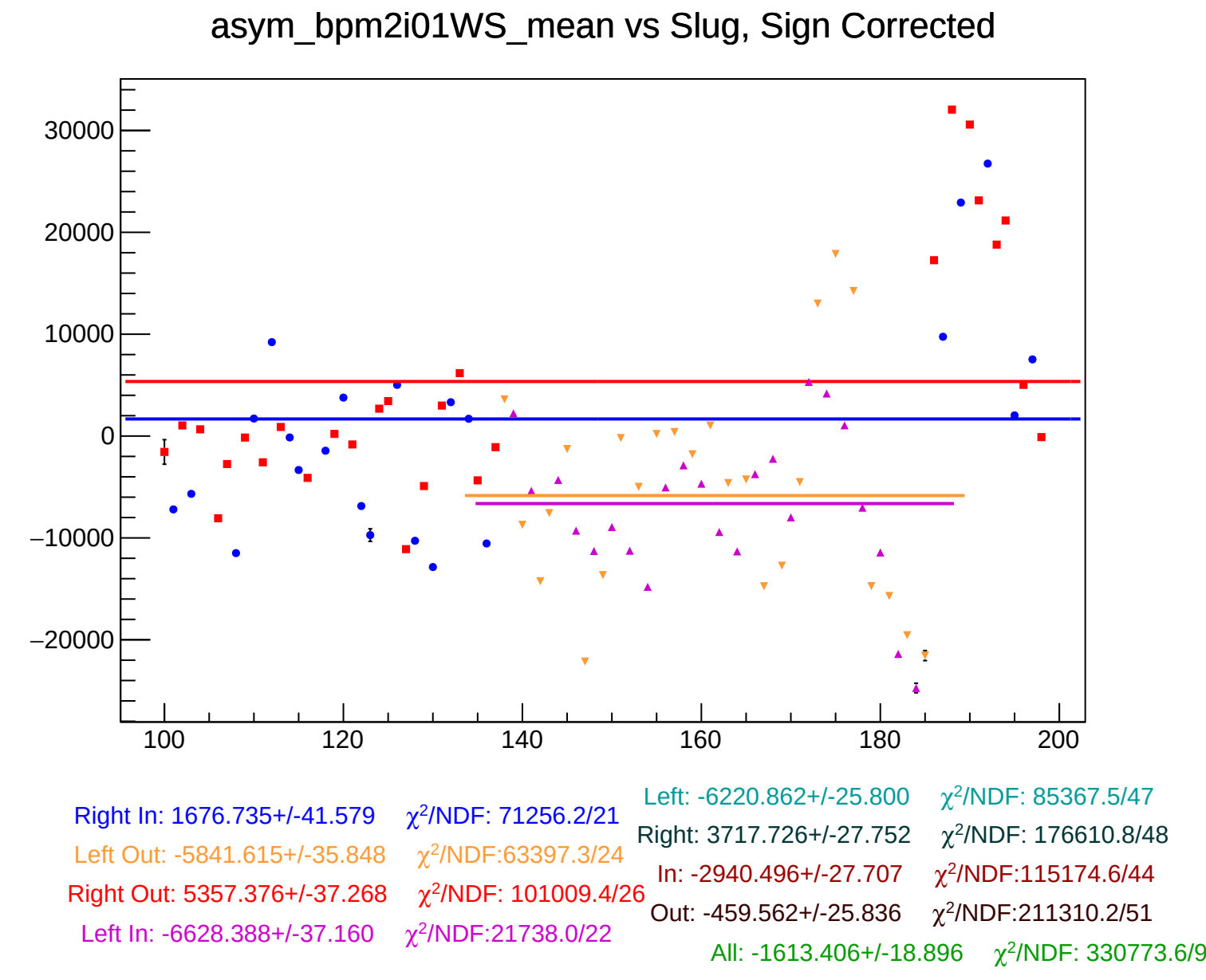
Left: 230.192+/-0.028 χ^2/NDF: 2457612.6/47

Right: 202.501+/-0.032 χ^2/NDF: 3153366.9/48

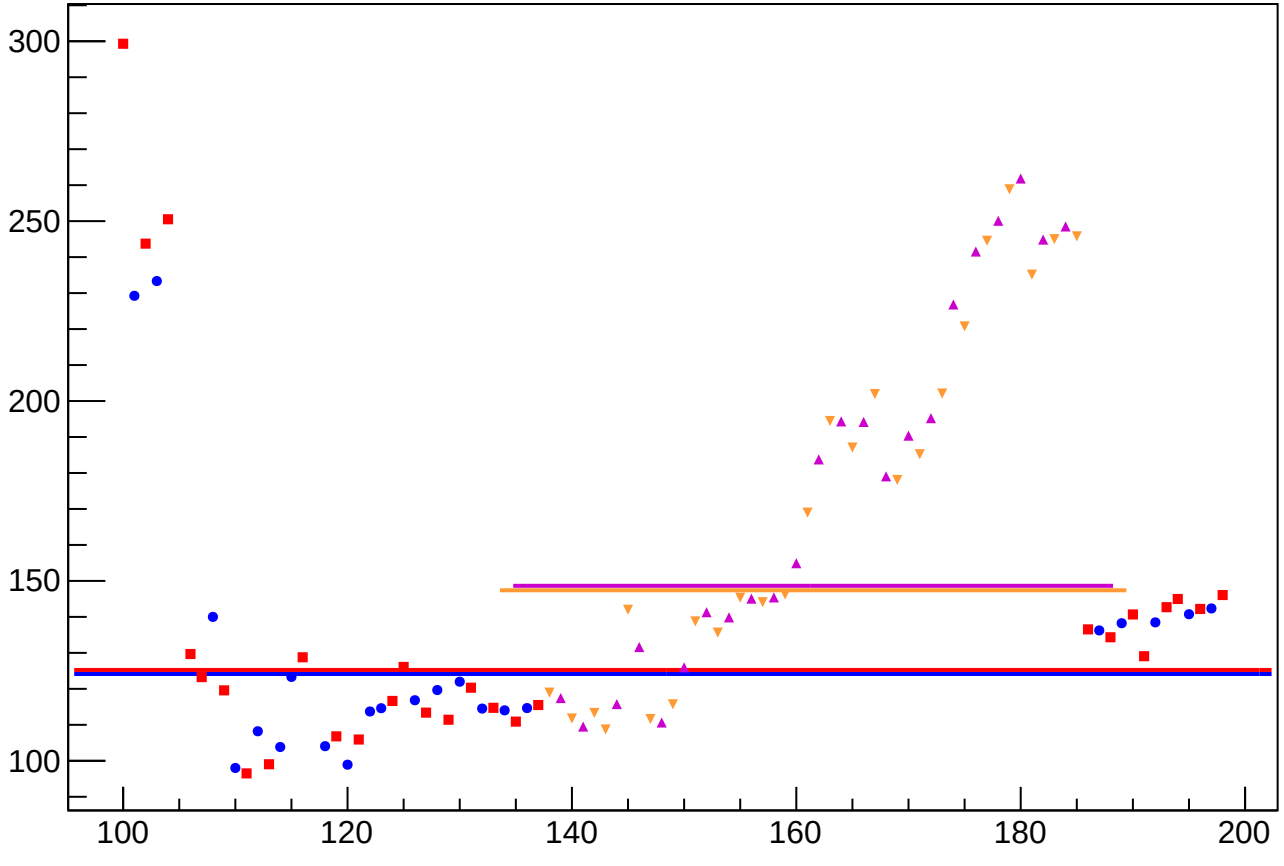
In: 215.888+/-0.030 χ^2/NDF:2611597.8/44

Out: 220.522+/-0.029 χ^2/NDF:3406498.9/51

All: 218.286+/-0.021 χ^2/NDF: 6030050.9/96


asym_bpm2i01WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1676.735+/-41.579 χ²/NDF: 71256.2/21
Left Out: -5841.615+/-35.848 χ²/NDF:63397.3/24
Right Out: 5357.376+/-37.268 χ²/NDF: 101009.4/26
Left In: -6628.388+/-37.160 χ²/NDF:21738.0/22
Left: -6220.862+/-25.800 χ²/NDF: 85367.5/47
Right: 3717.726+/-27.752 χ²/NDF: 176610.8/48
In: -2940.496+/-27.707 χ²/NDF:115174.6/44
Out: -459.562+/-25.836 χ²/NDF:211310.2/51
All: -1613.406+/-18.896 χ²/NDF: 330773.6/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 124.126+/-0.029 χ^2/NDF: 744506.7/21

Left Out: 147.396+/-0.025 χ^2/NDF:2517097.1/24

Right Out: 125.254+/-0.026 χ^2/NDF: 884415.3/26

Left In: 148.642+/-0.026 χ^2/NDF:2415531.9/22

Left: 147.997+/-0.018 χ^2/NDF: 4933793.6/47

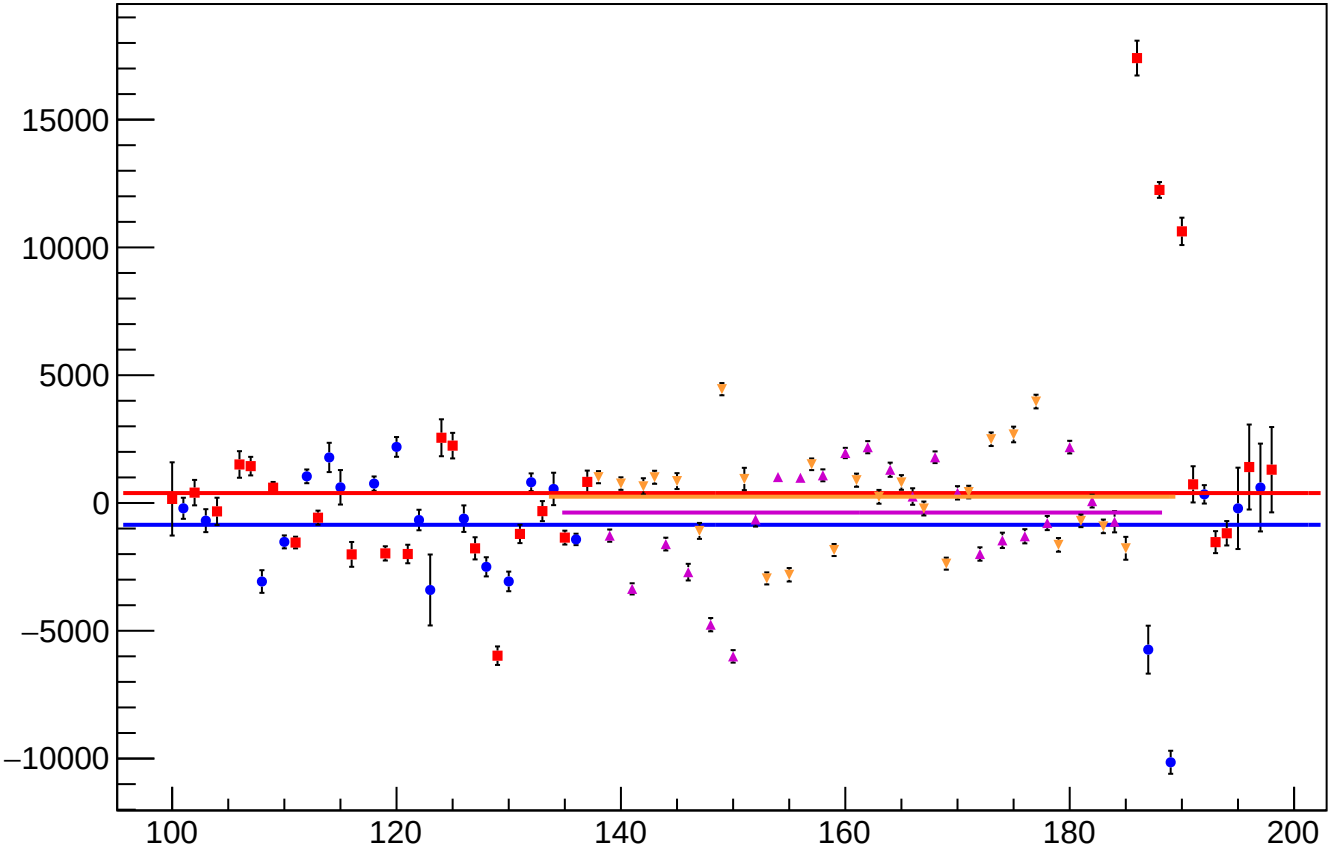
Right: 124.752+/-0.020 χ^2/NDF: 1629739.0/48

In: 137.756+/-0.020 χ^2/NDF:3546597.9/44

Out: 136.755+/-0.018 χ^2/NDF:3768207.2/51

All: 137.221+/-0.013 χ^2/NDF: 7316200.0/96

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -853.736+/-84.634 χ^2/NDF: 760.3/21

Left Out: 246.120+/-53.492 χ^2/NDF:1354.8/24

Right Out: 388.470+/-75.286 χ^2/NDF: 3160.8/26

Left In: -374.465+/-51.892 χ^2/NDF:1798.3/22

Left: -73.589+/-37.246 χ^2/NDF: 3222.4/47

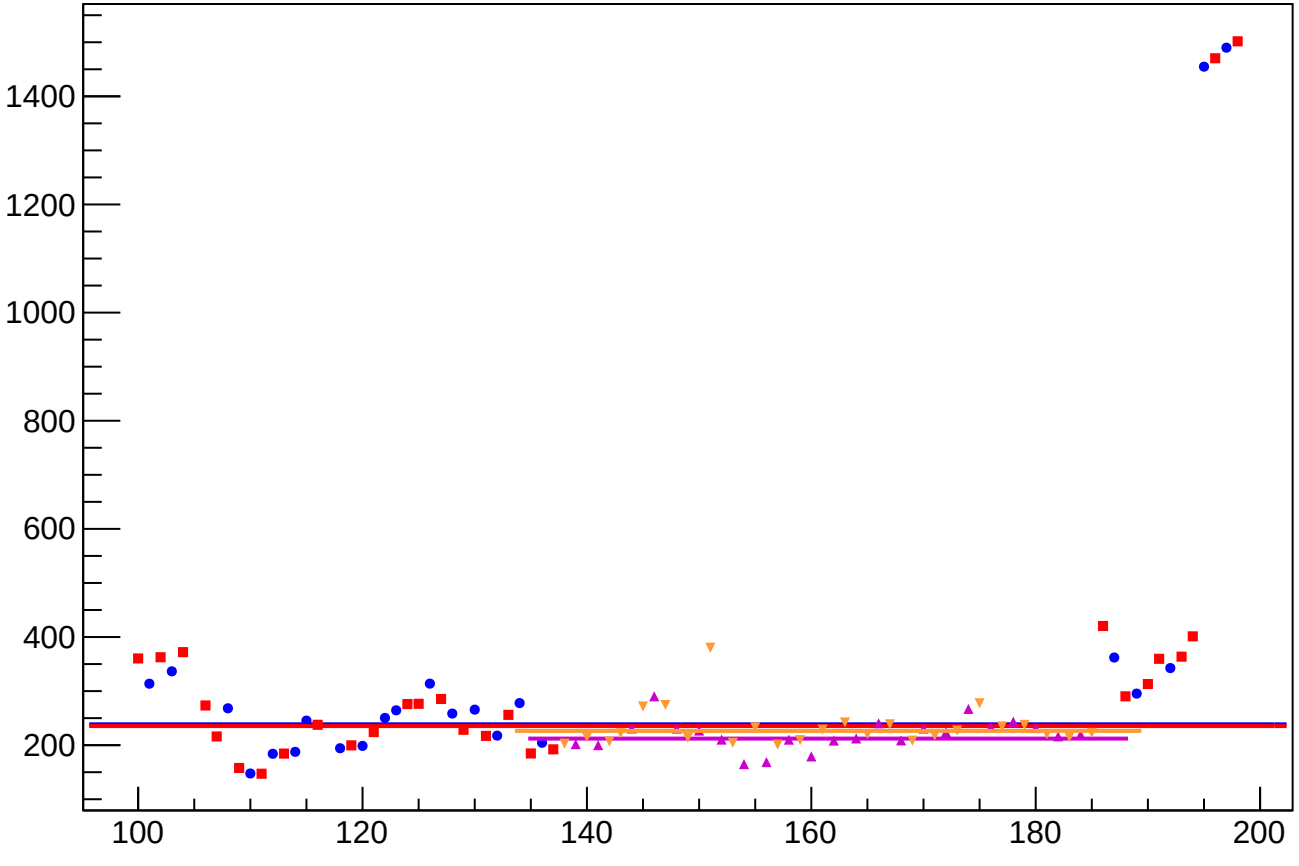
Right: -160.267+/-56.251 χ^2/NDF: 4041.3/48

In: -505.412+/-44.239 χ^2/NDF:2581.8/44

Out: 293.874+/-43.606 χ^2/NDF:4518.0/51

All: -100.008+/-31.055 χ^2/NDF: 7265.4/96

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 238.566+/-0.060 χ^2/NDF: 3179718.3/21

Left Out: 226.376+/-0.038 χ^2/NDF:521770.1/24

Right Out: 235.292+/-0.053 χ^2/NDF: 4066615.7/26

Left In: 212.145+/-0.037 χ^2/NDF:591698.6/22

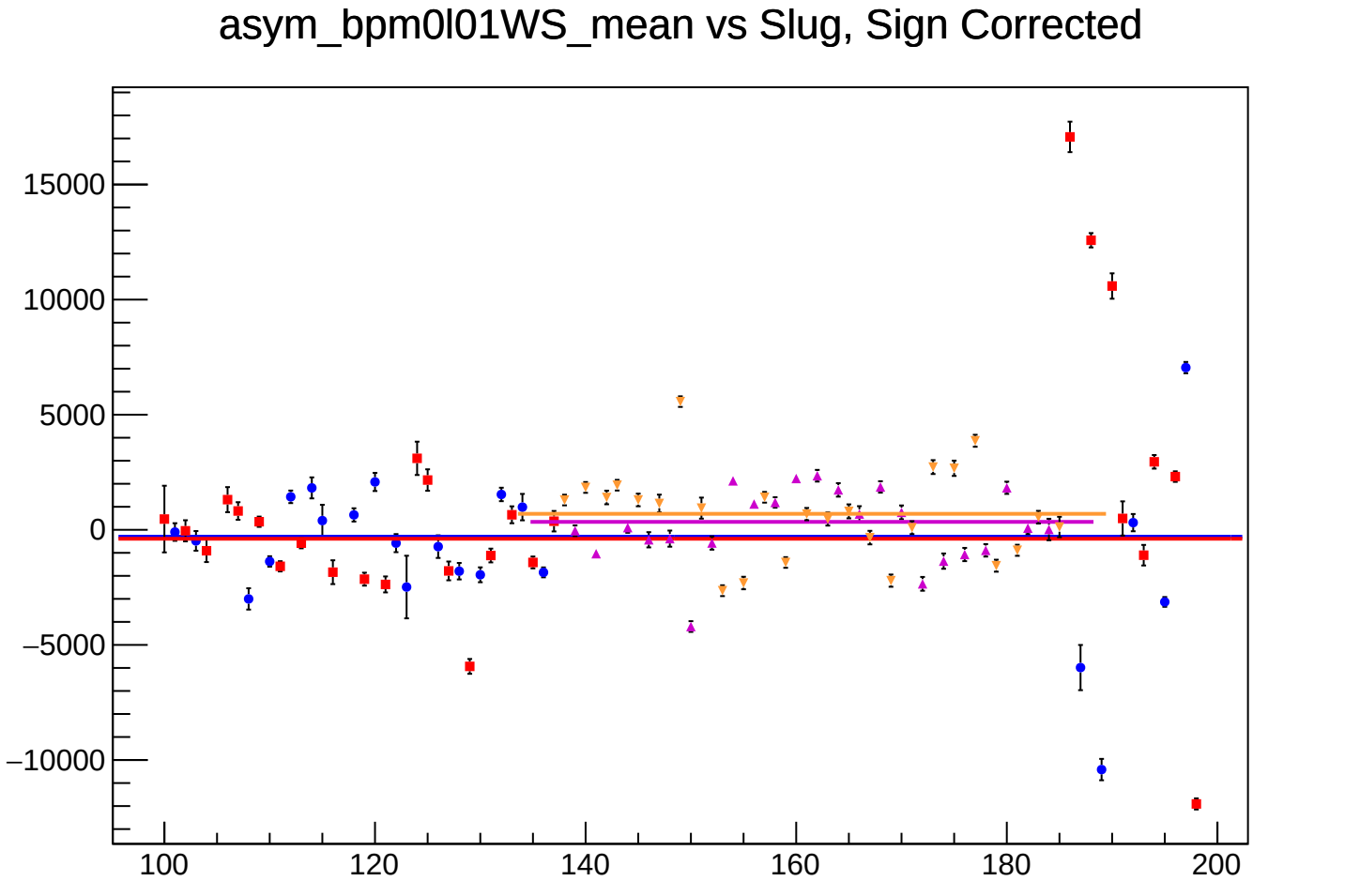
Left: 219.044+/-0.026 χ^2/NDF: 1186390.8/47

Right: 236.738+/-0.040 χ^2/NDF: 7248004.8/48

In: 219.364+/-0.031 χ^2/NDF:3913076.4/44

Out: 229.367+/-0.031 χ^2/NDF:4607028.5/51

All: 224.437+/-0.022 χ^2/NDF: 8571969.6/96



Right In: -299.855+/-72.233 χ^2/NDF: 1897.9/21

Left Out: 694.326+/-54.246 χ^2/NDF:1422.1/24

Right Out: -387.985+/-65.104 χ^2/NDF: 5905.5/26

Left In: 344.578+/-52.954 χ^2/NDF:985.0/22

Left: 515.236+/-37.893 χ^2/NDF: 2428.4/47

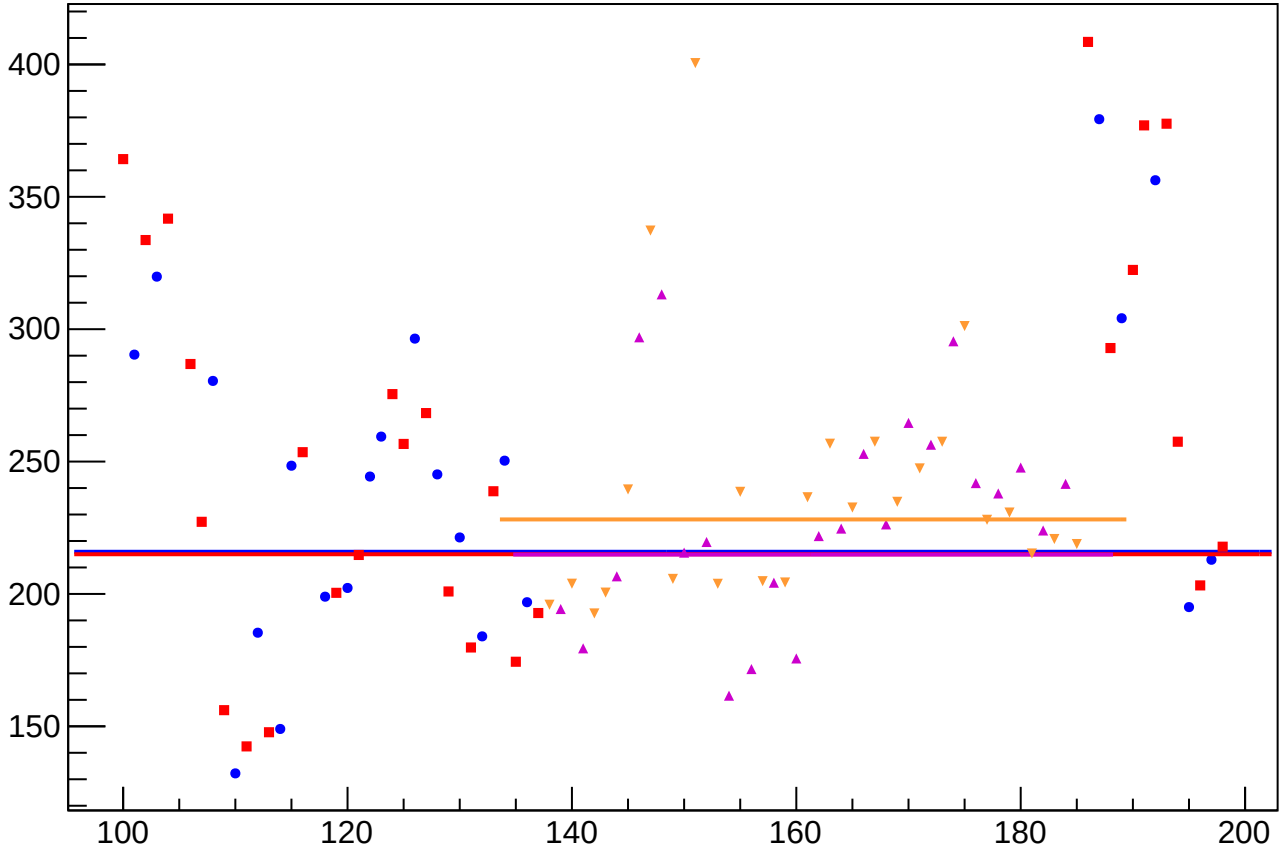
Right: -348.483+/-48.360 χ^2/NDF: 7804.3/48

In: 119.306+/-42.707 χ^2/NDF:2934.7/44

Out: 250.819+/-41.675 χ^2/NDF:7490.8/51

All: 186.670+/-29.827 χ^2/NDF: 10430.3/96

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 215.923+/-0.051 χ^2/NDF: 1142736.8/21

Left Out: 228.144+/-0.038 χ^2/NDF:828399.3/24

Right Out: 214.995+/-0.046 χ^2/NDF: 1813587.8/26

Left In: 214.878+/-0.037 χ^2/NDF:1037509.6/22

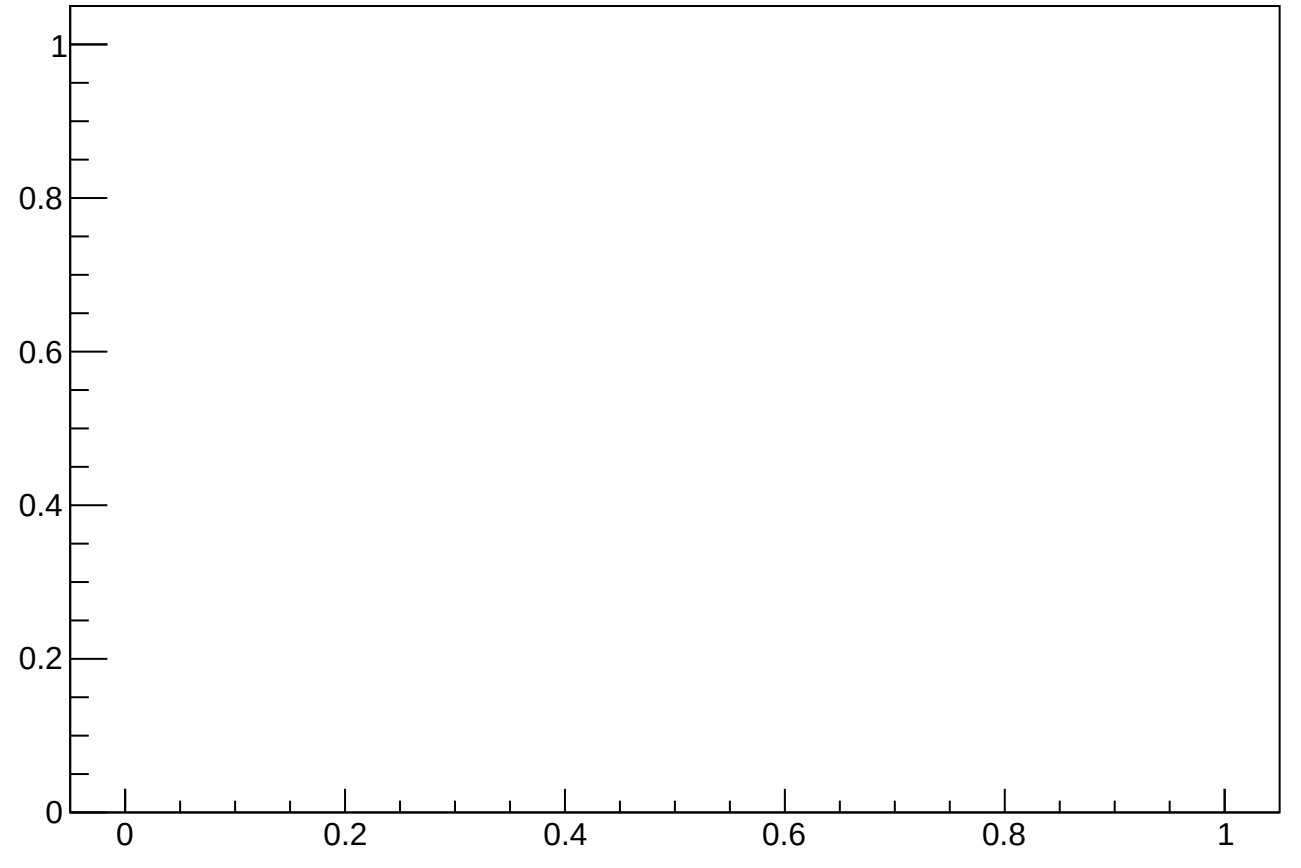
Left: 221.351+/-0.027 χ^2/NDF: 1927151.4/47

Right: 215.411+/-0.034 χ^2/NDF: 2956506.7/48

In: 215.243+/-0.030 χ^2/NDF:2180518.6/44

Out: 222.756+/-0.029 χ^2/NDF:2690135.6/51

All: 219.091+/-0.021 χ^2/NDF: 4902352.9/96



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

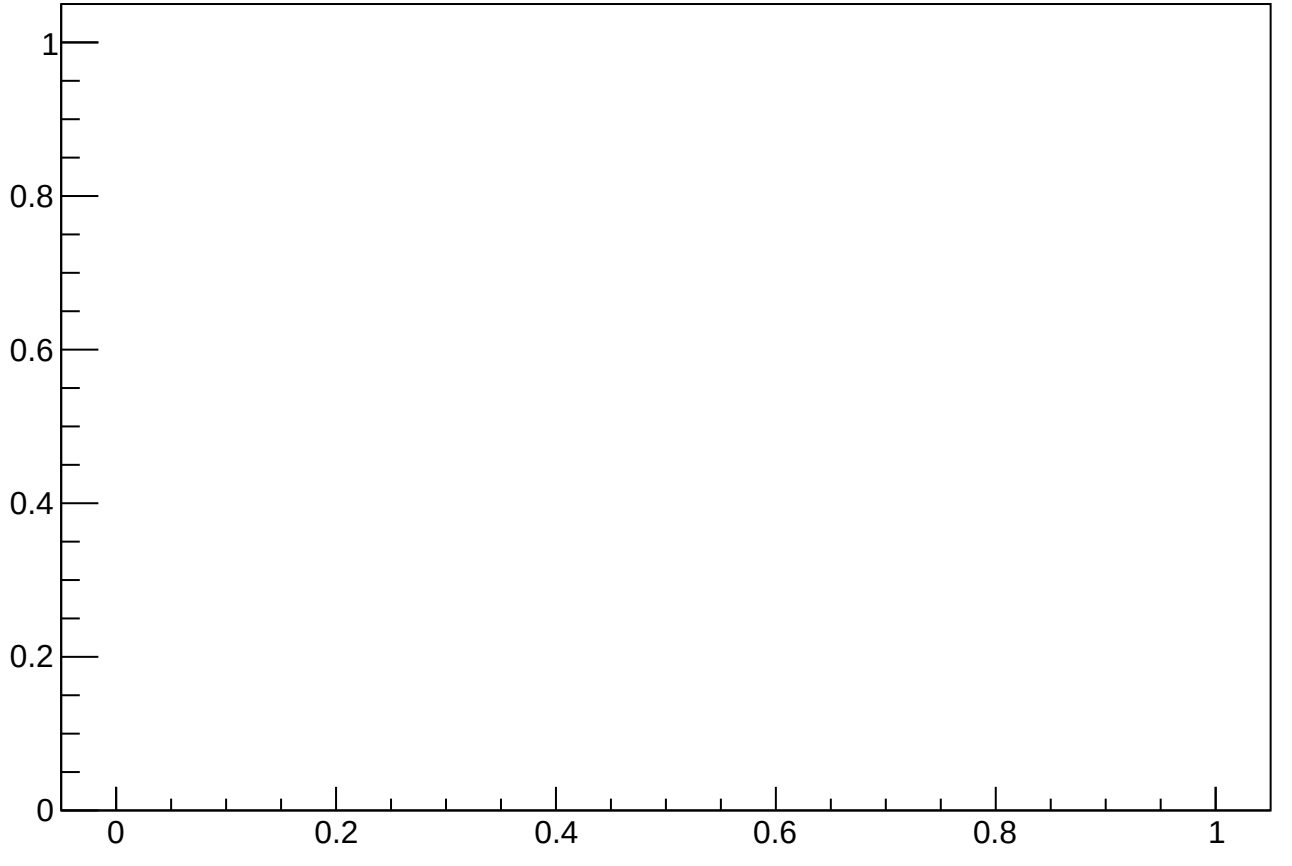
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

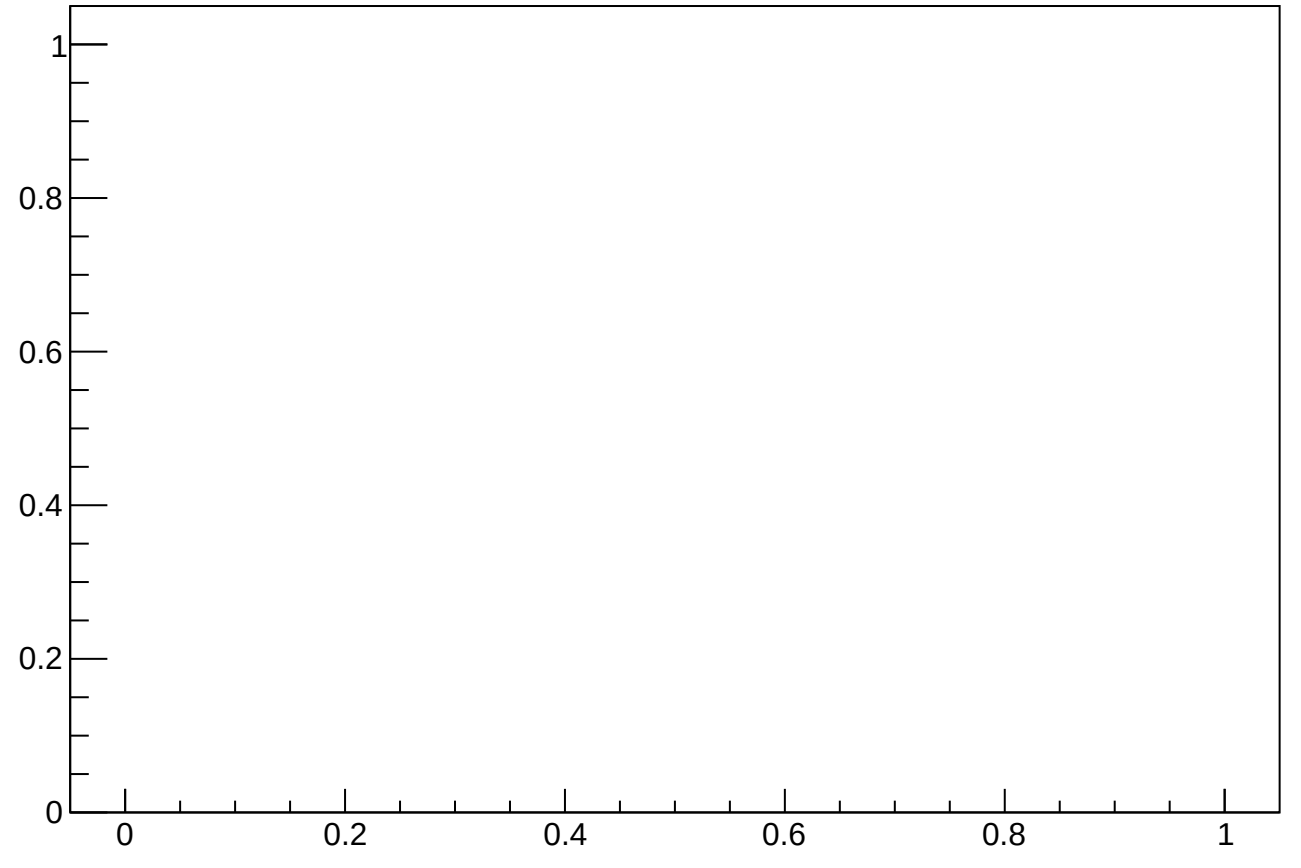
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

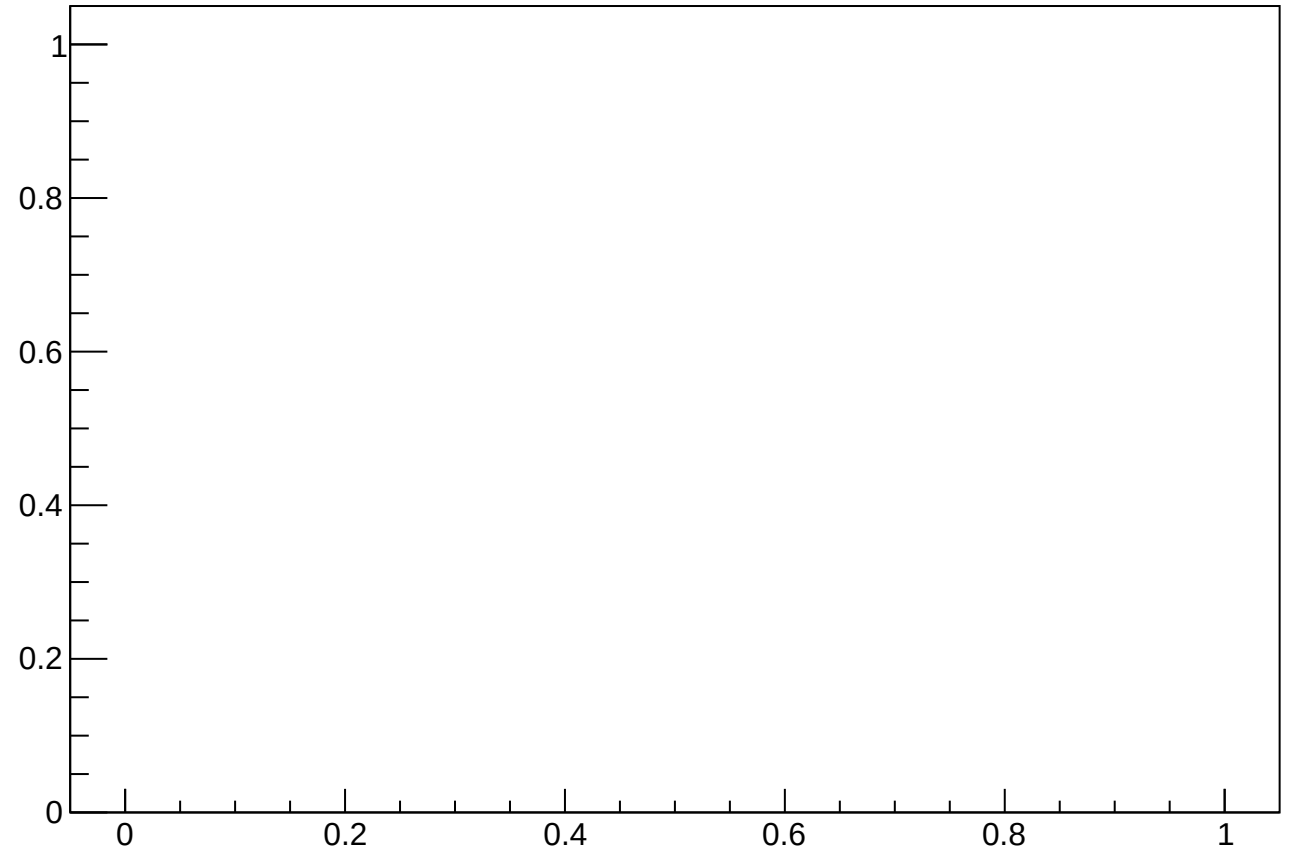
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

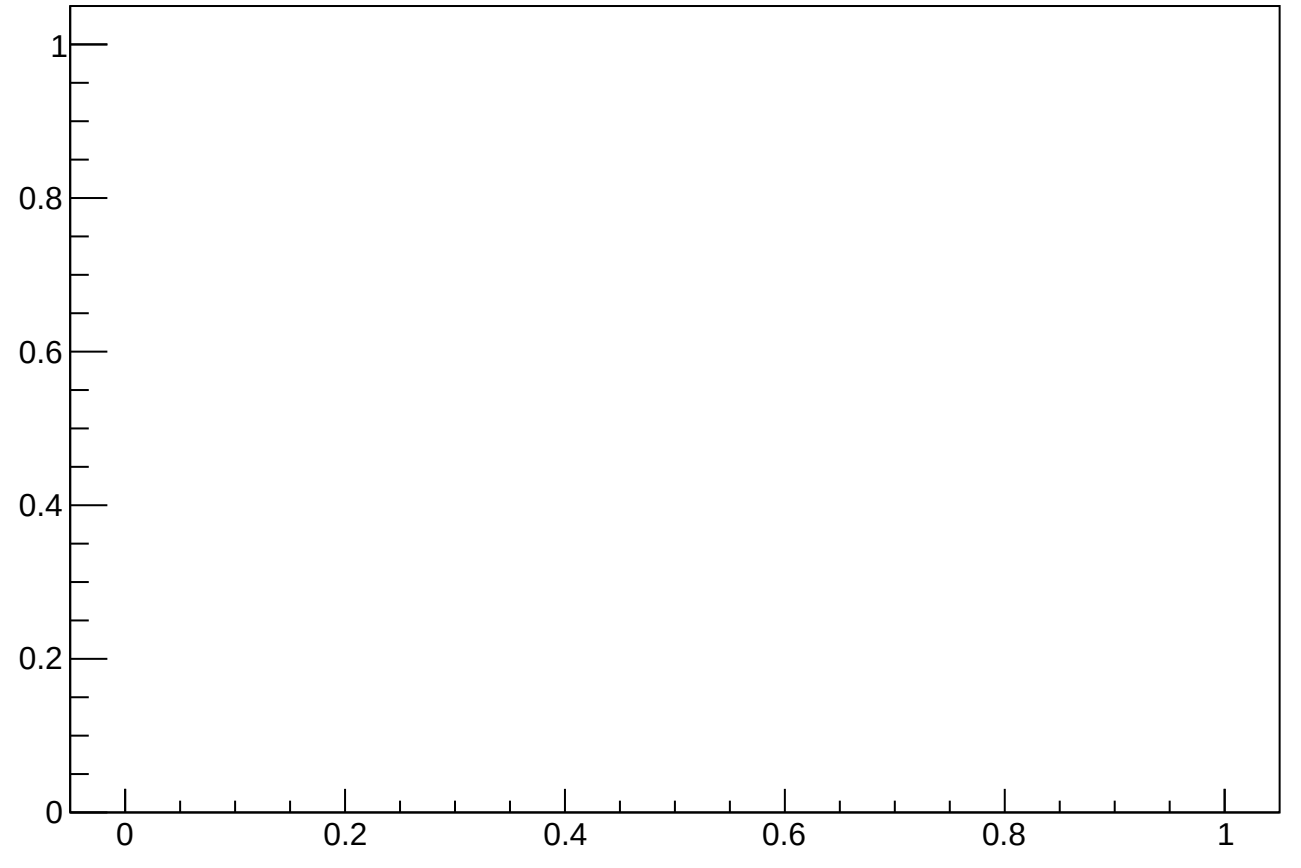
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

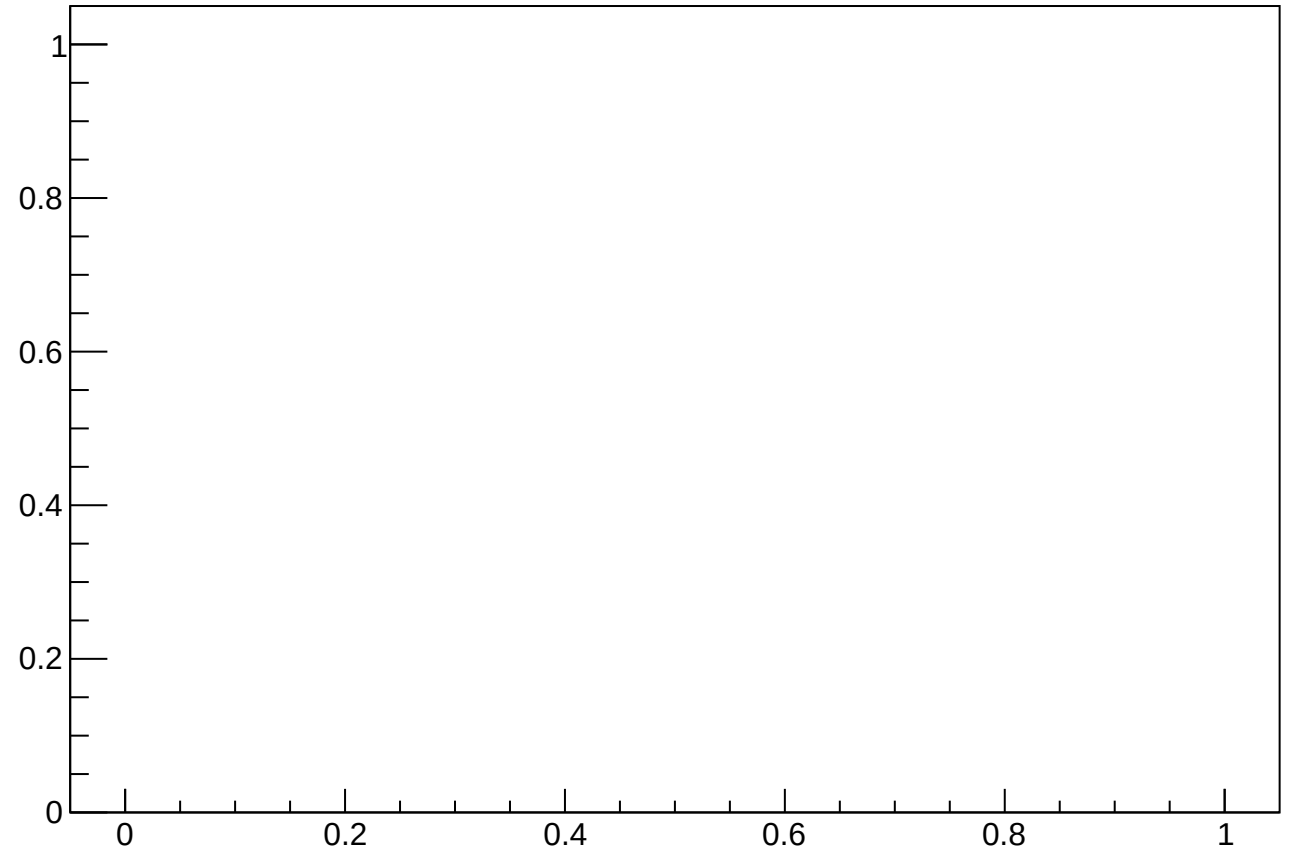
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

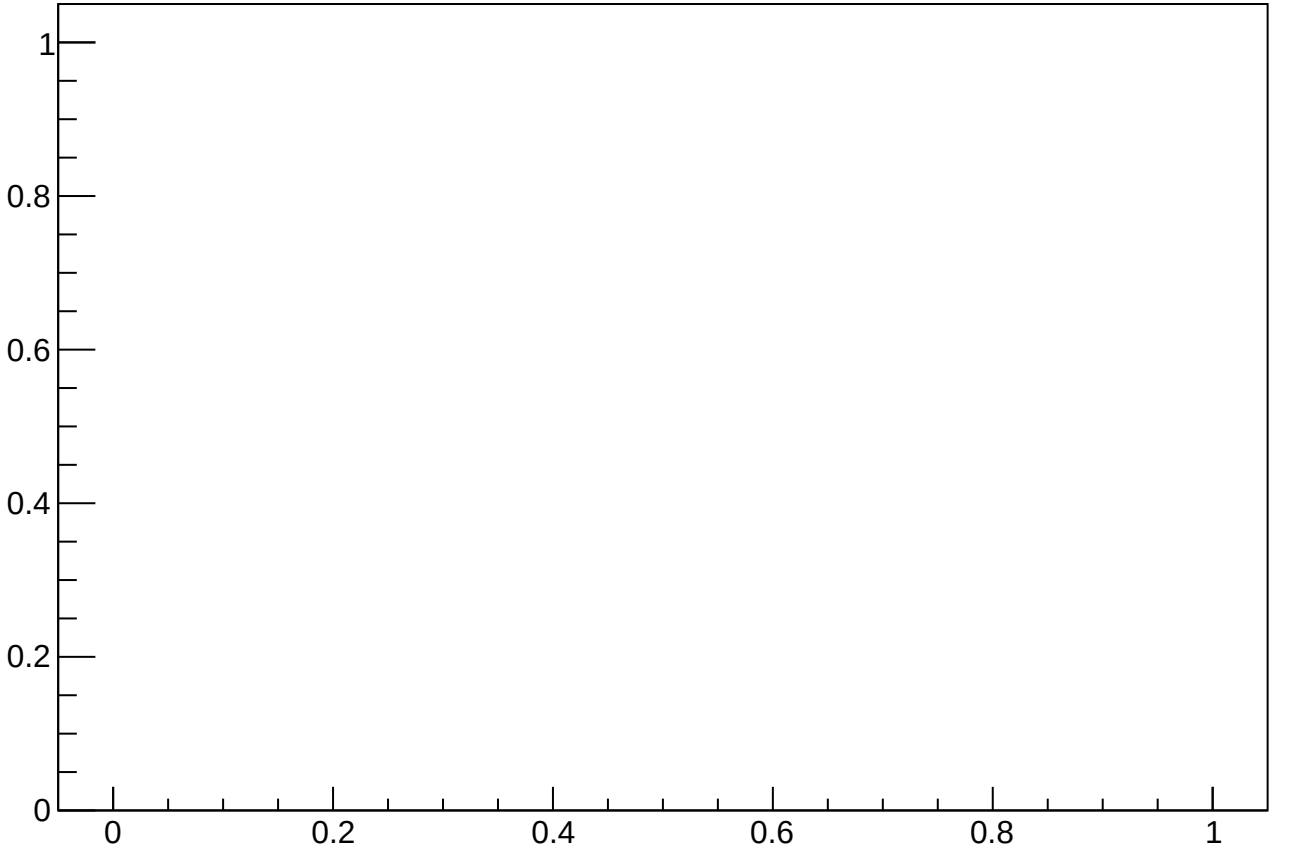
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

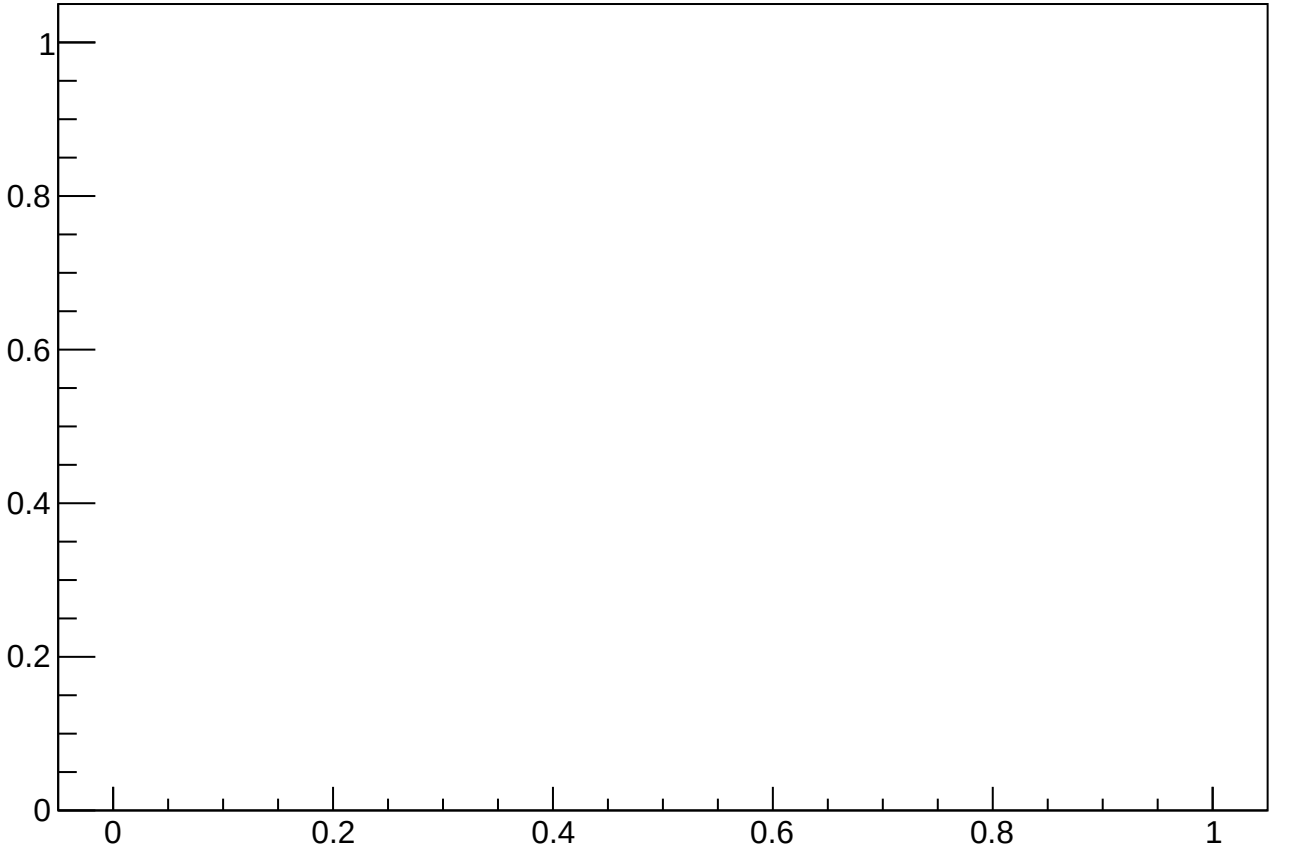
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

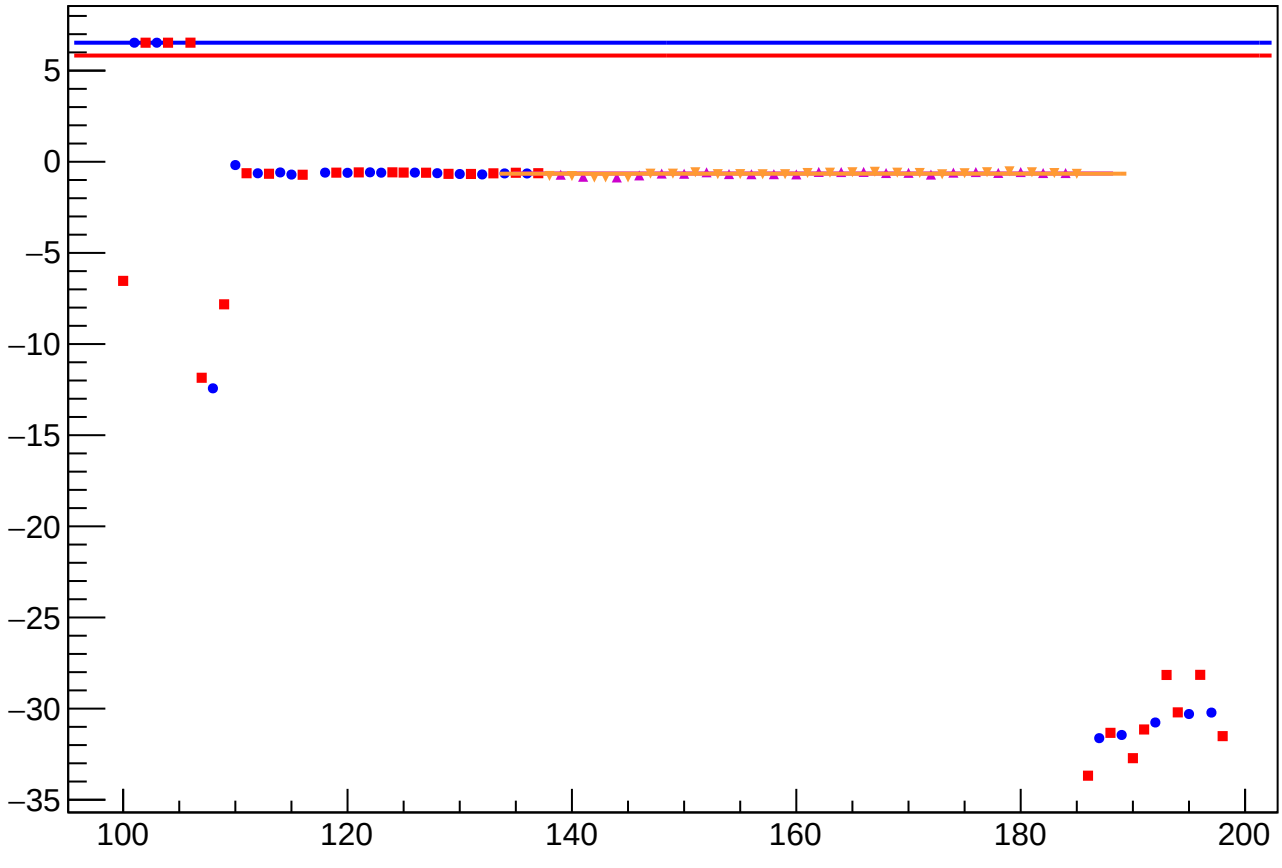
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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: 127804653317.5/21

Left Out: -0.654+/-0.000 χ^2/NDF:179069954.8/24

Right Out: 5.827+/-0.000 χ^2/NDF: 755962251655670.0/26

Left In: -0.643+/-0.000 χ^2/NDF:123743747.1/22

Left: -0.649+/-0.000 χ^2/NDF: 303800919.5/47

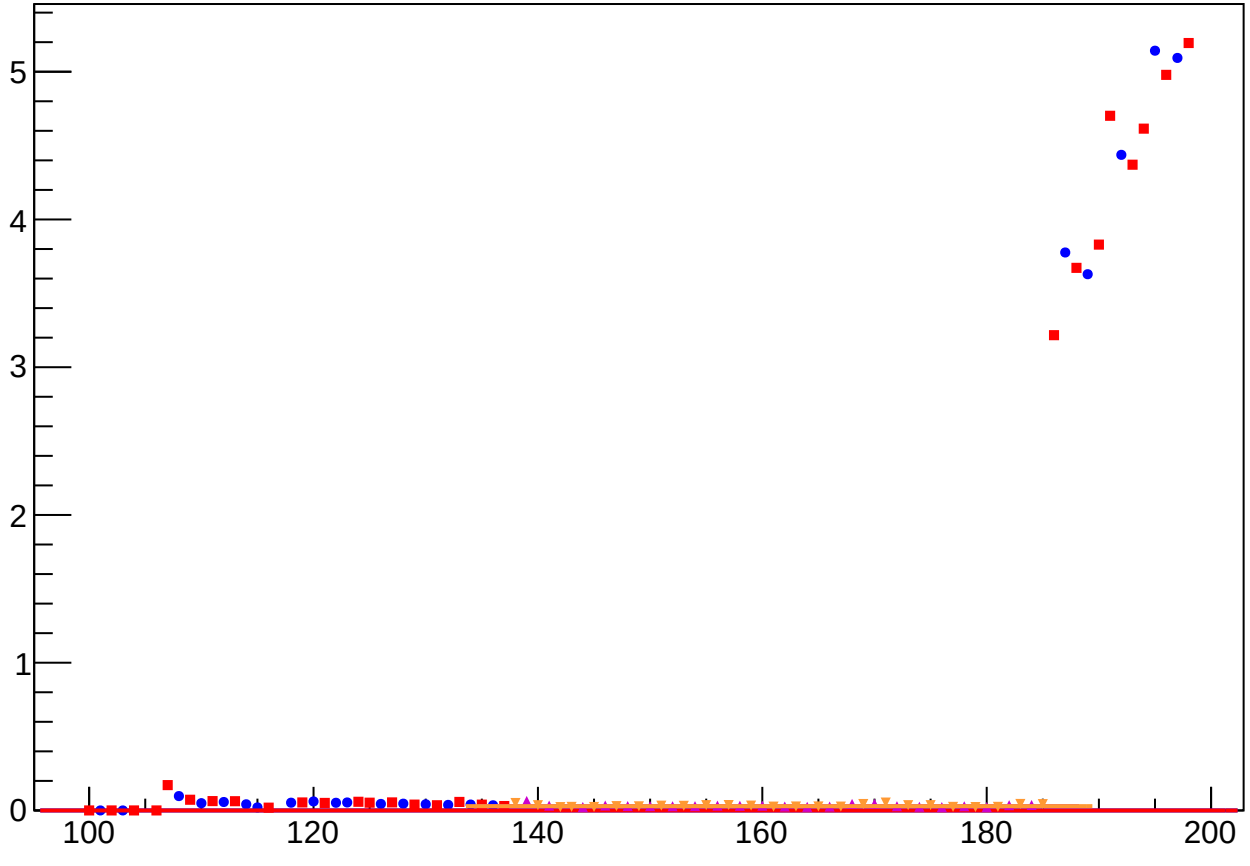
Right: 6.155+/-0.000 χ^2/NDF: 776094021507111.9/

In: 6.530+/-0.000 χ^2/NDF:961923247824.9/44

Out: 5.826+/-0.000 χ^2/NDF:756673268549162.8/5

All: 6.153+/-0.000 χ^2/NDF: 7776274533984

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14849261.4/21

Left Out: 0.029+/-0.000 χ^2/NDF:1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19120976.6/26

Left In: 0.029+/-0.000 χ^2/NDF:1206492.9/22

Left: 0.029+/-0.000 χ^2/NDF: 2691219.2/47

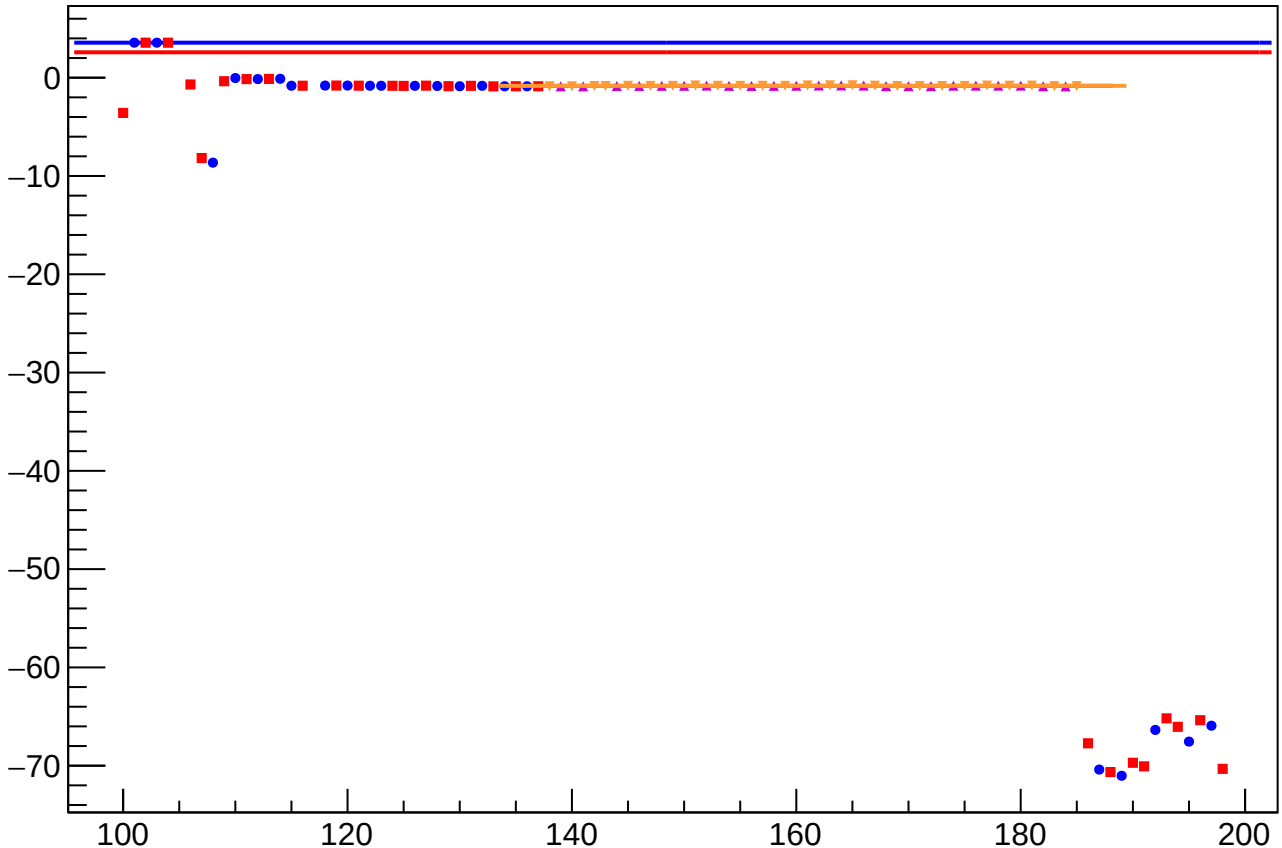
Right: 0.000+/-0.000 χ^2/NDF: 33970485.0/48

In: 0.000+/-0.000 χ^2/NDF:43027070.7/44

Out: 0.000+/-0.000 χ^2/NDF:49089016.6/51

All: 0.000+/-0.000 χ^2/NDF: 92116512.1/96

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF: 491500868358.9/21

Left Out: -0.827+/-0.000 χ^2/NDF:170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF: 1253519028823756.5/26

Left In: -0.827+/-0.000 χ^2/NDF:174130375.4/22

Left: -0.827+/-0.000 χ^2/NDF: 344237775.5/47

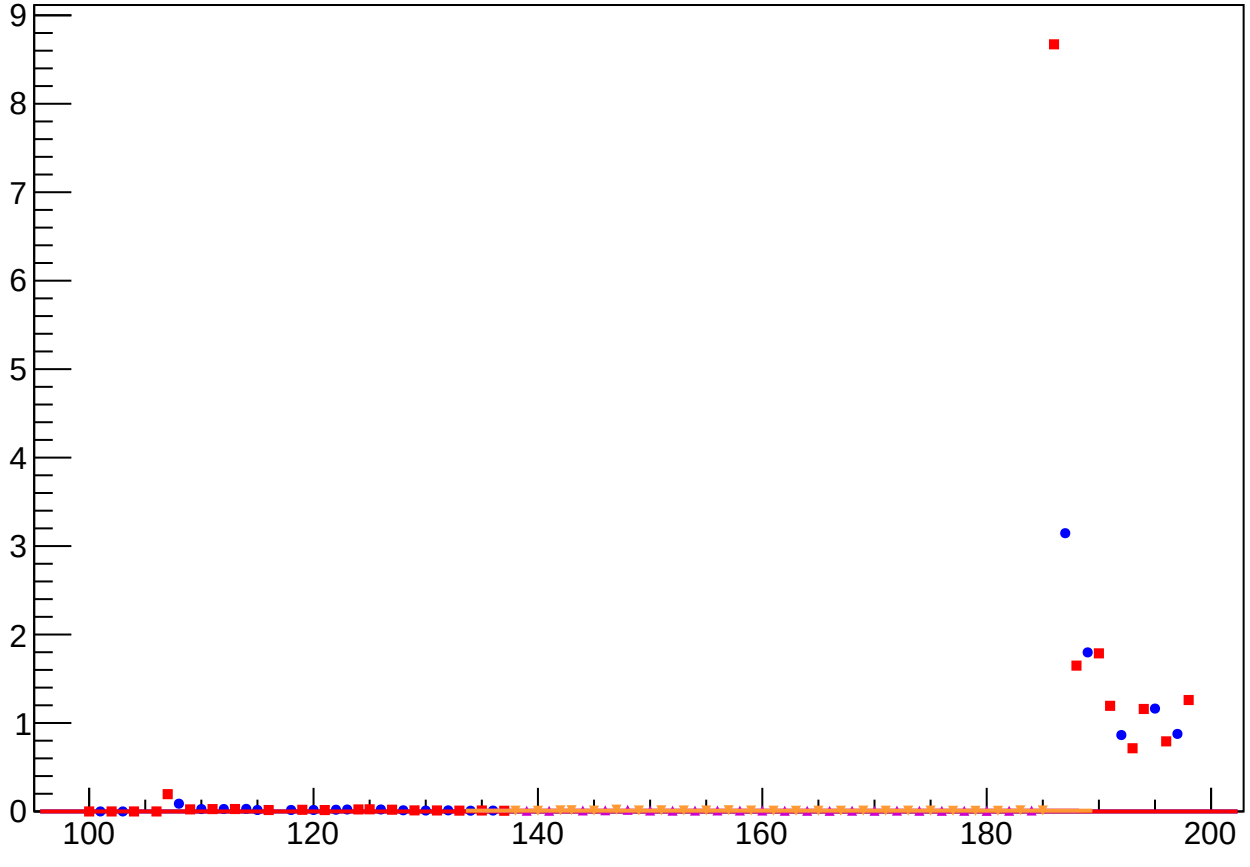
Right: 3.040+/-0.000 χ^2/NDF: 1382281698129107.5

In: 3.560+/-0.000 χ^2/NDF:4172062120041.4/44

Out: 2.581+/-0.000 χ^2/NDF:1255749929867743.0

All: 3.038+/-0.000 χ^2/NDF: 1388006259599

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14604806.5/21

Left Out: 0.009+/-0.000 χ^2/NDF:1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18286672.1/26

Left In: 0.009+/-0.000 χ^2/NDF:1042123.1/22

Left: 0.009+/-0.000 χ^2/NDF: 2503441.1/47

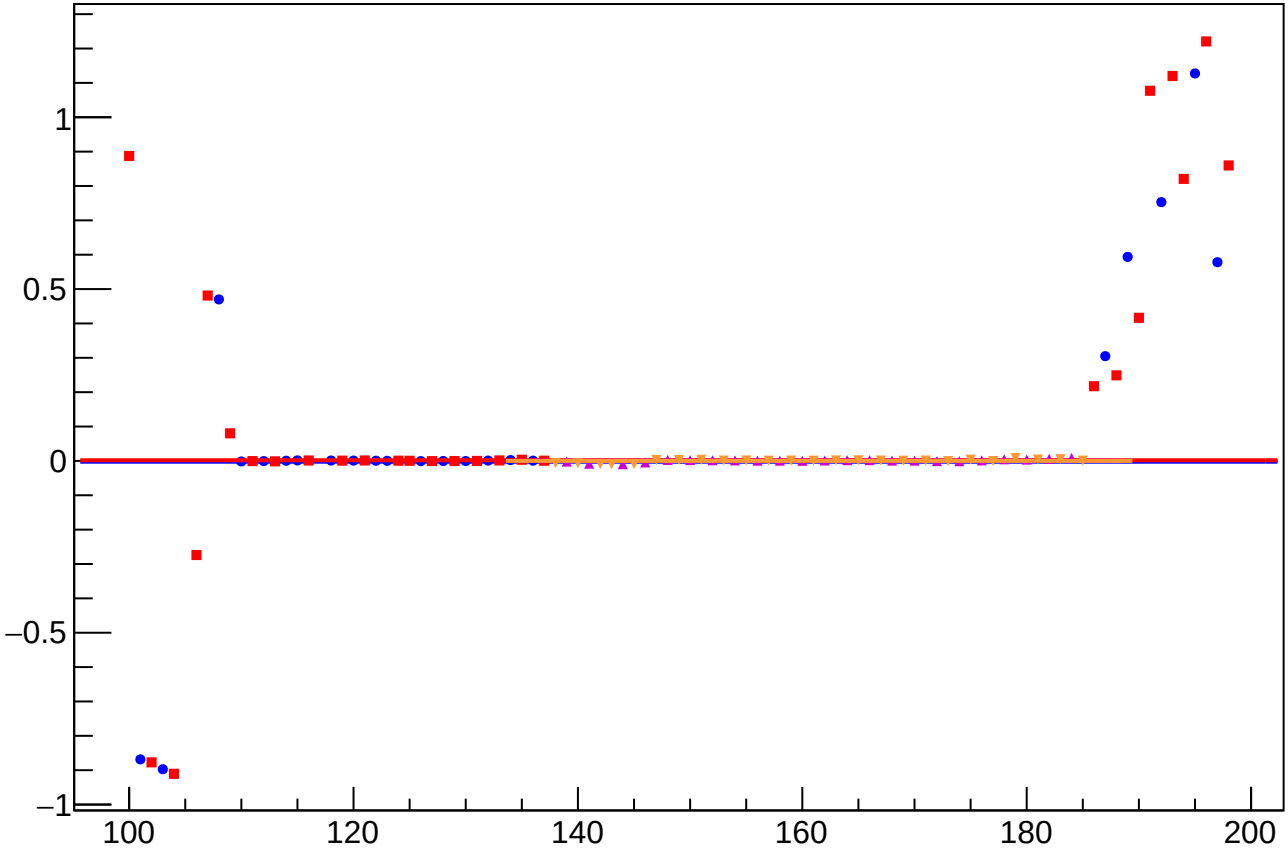
Right: 0.000+/-0.000 χ^2/NDF: 32891750.9/48

In: 0.000+/-0.000 χ^2/NDF:44401987.5/44

Out: 0.000+/-0.000 χ^2/NDF:49804829.3/51

All: 0.000+/-0.000 χ^2/NDF: 94207592.6/96

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF: 9795517234.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3042470255.6/26

Left In: 0.001+/-0.000 χ^2/NDF:101468517.6/22

Left: 0.000+/-0.000 χ^2/NDF: 254489625.0/47

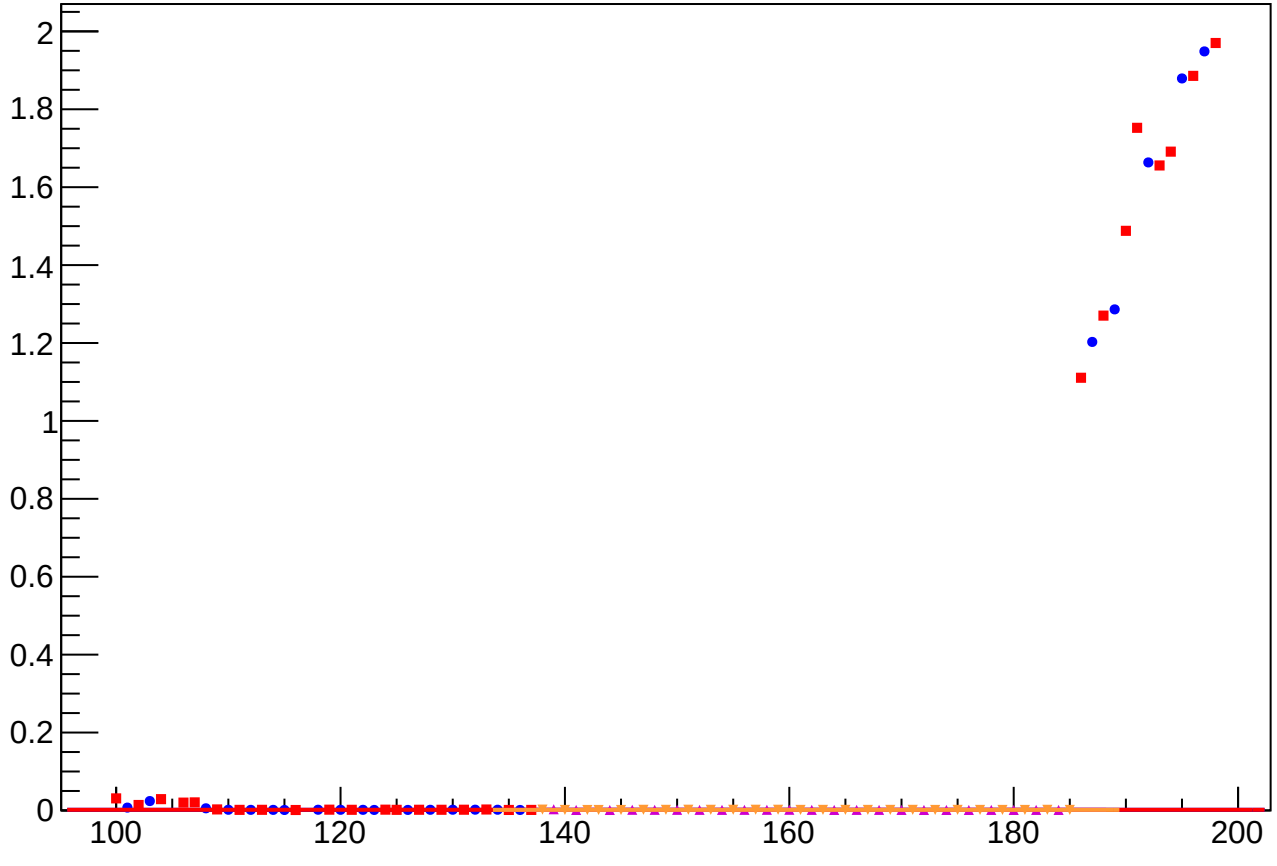
Right: -0.000+/-0.000 χ^2/NDF: 12852135281.9/48

In: -0.000+/-0.000 χ^2/NDF:9908430008.5/44

Out: 0.000+/-0.000 χ^2/NDF:3198704718.4/51

All: 0.000+/-0.000 χ^2/NDF: 13107506289.7/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7885385.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12792706.7/26

Left In: 0.001+/-0.000 χ^2/NDF:659543.3/22

Left: 0.001+/-0.000 χ^2/NDF: 1201689.9/47

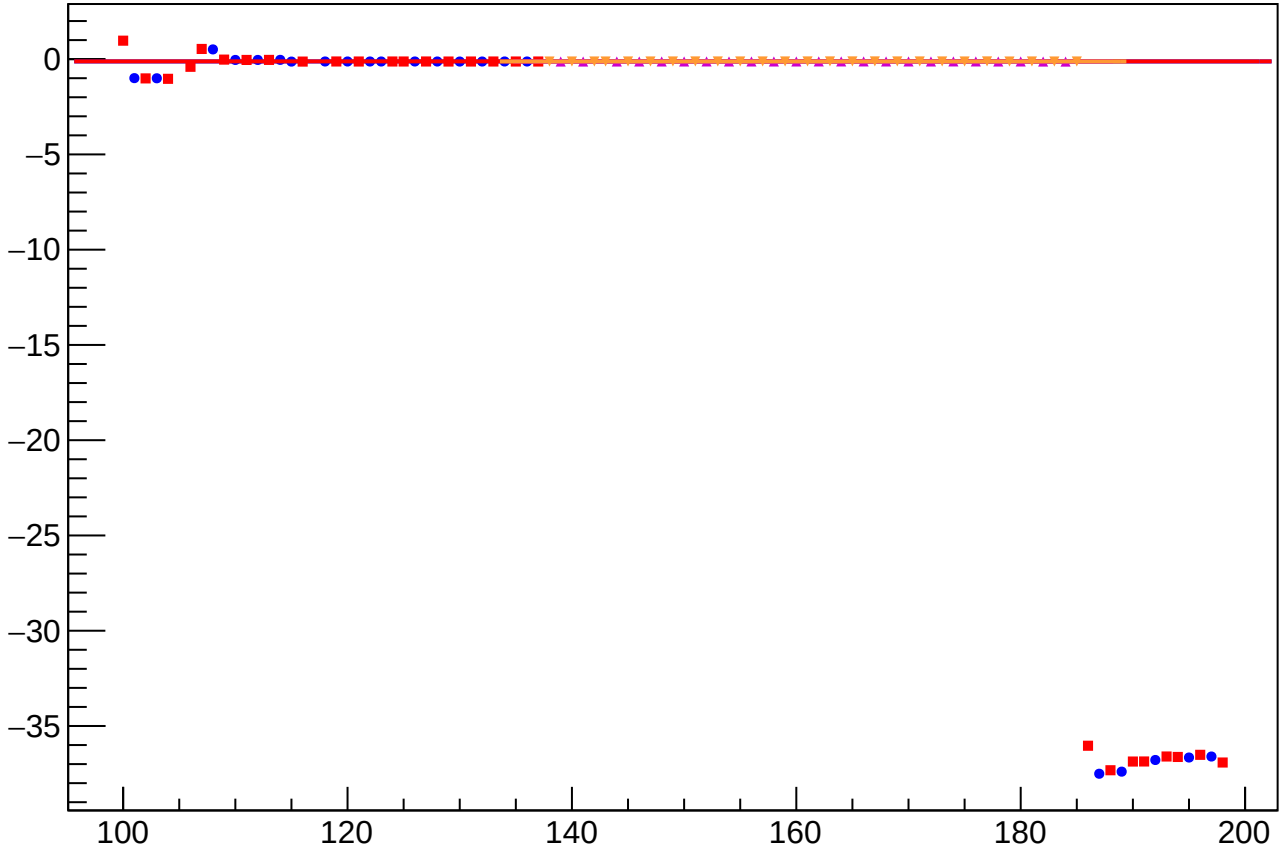
Right: 0.002+/-0.000 χ^2/NDF: 20686136.7/48

In: 0.002+/-0.000 χ^2/NDF:8596700.7/44

Out: 0.002+/-0.000 χ^2/NDF:13467002.9/51

All: 0.002+/-0.000 χ^2/NDF: 22064320.0/96

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.121+/-0.000 χ^2/NDF: 29207211365.9/21

Left Out: -0.121+/-0.000 χ^2/NDF:58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF: 43295147595.3/26

Left In: -0.121+/-0.000 χ^2/NDF:53134323.3/22

Left: -0.121+/-0.000 χ^2/NDF: 111705307.2/47

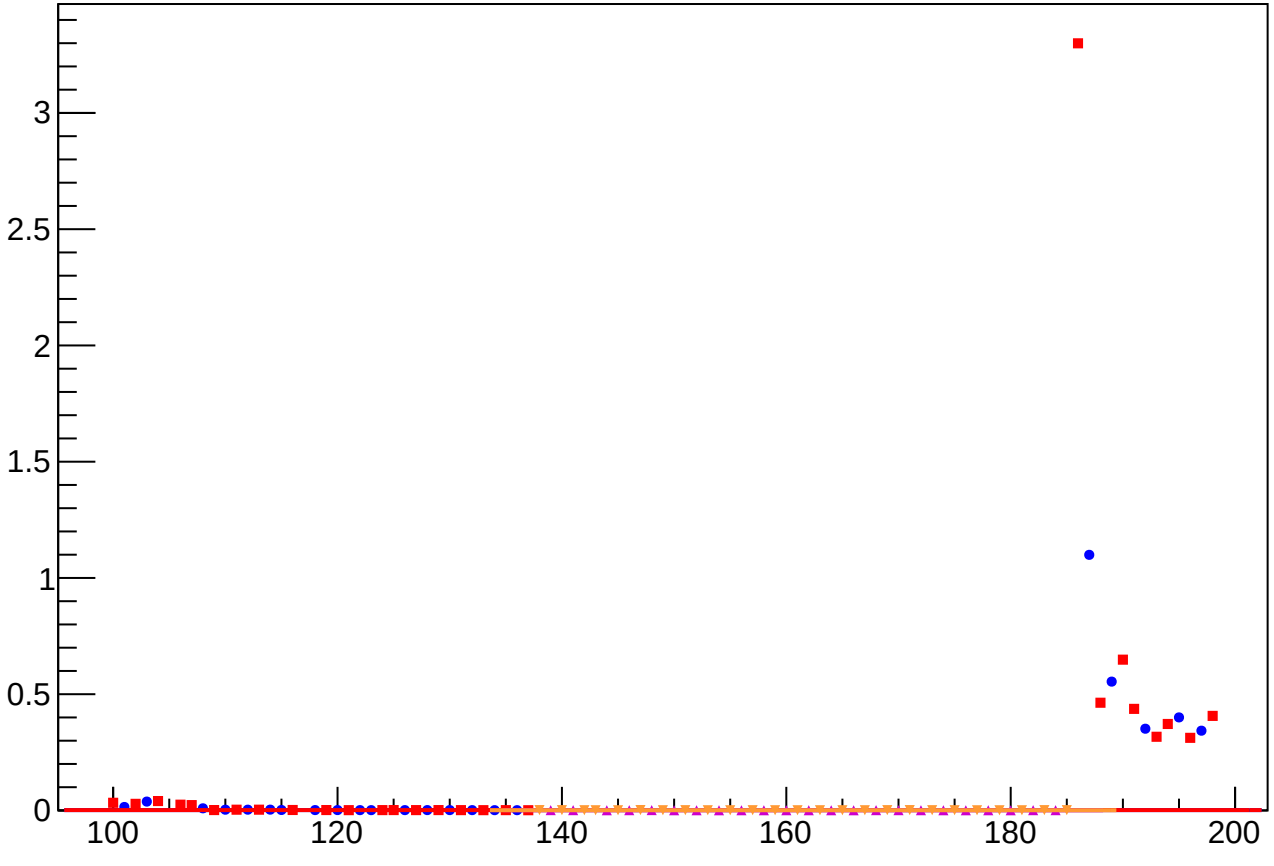
Right: -0.118+/-0.000 χ^2/NDF: 72523144427.9/48

In: -0.121+/-0.000 χ^2/NDF:29260439161.9/44

Out: -0.121+/-0.000 χ^2/NDF:43397939616.3/51

All: -0.121+/-0.000 χ^2/NDF: 72659220470.1/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8522395.9/21

Left Out: 0.001+/-0.000 χ^2/NDF:1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12889896.9/26

Left In: 0.001+/-0.000 χ^2/NDF:972588.0/22

Left: 0.001+/-0.000 χ^2/NDF: 2336494.2/47

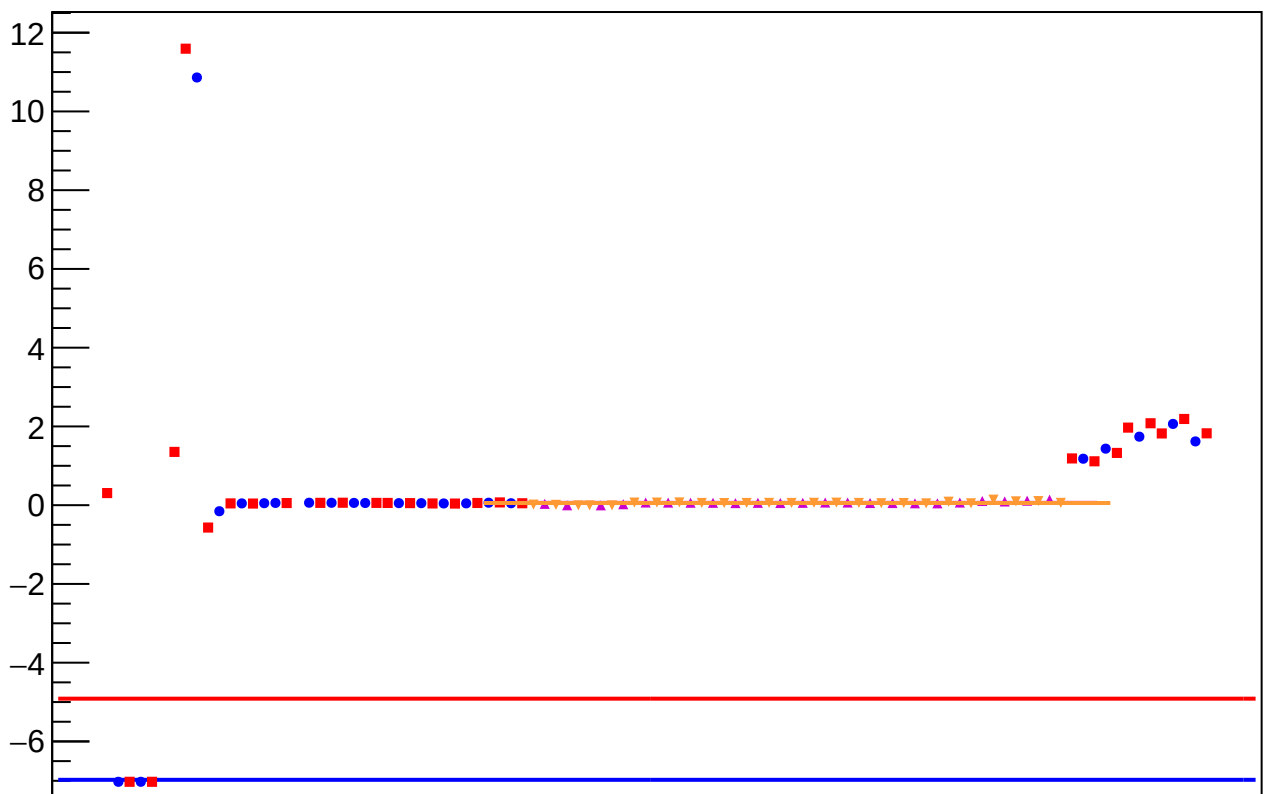
Right: 0.002+/-0.000 χ^2/NDF: 21412310.7/48

In: 0.001+/-0.000 χ^2/NDF:10627376.3/44

Out: 0.001+/-0.000 χ^2/NDF:15417749.3/51

All: 0.001+/-0.000 χ^2/NDF: 26047188.0/96

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF: 8762551938146.4/21

Left Out: 0.055+/-0.000 χ^2/NDF:243733184.3/24

Right Out: -4.914+/-0.000 χ^2/NDF: 365348641366017.9/26

Left In: 0.059+/-0.000 χ^2/NDF:178713649.9/22

Left: 0.057+/-0.000 χ^2/NDF: 423872259.5/47

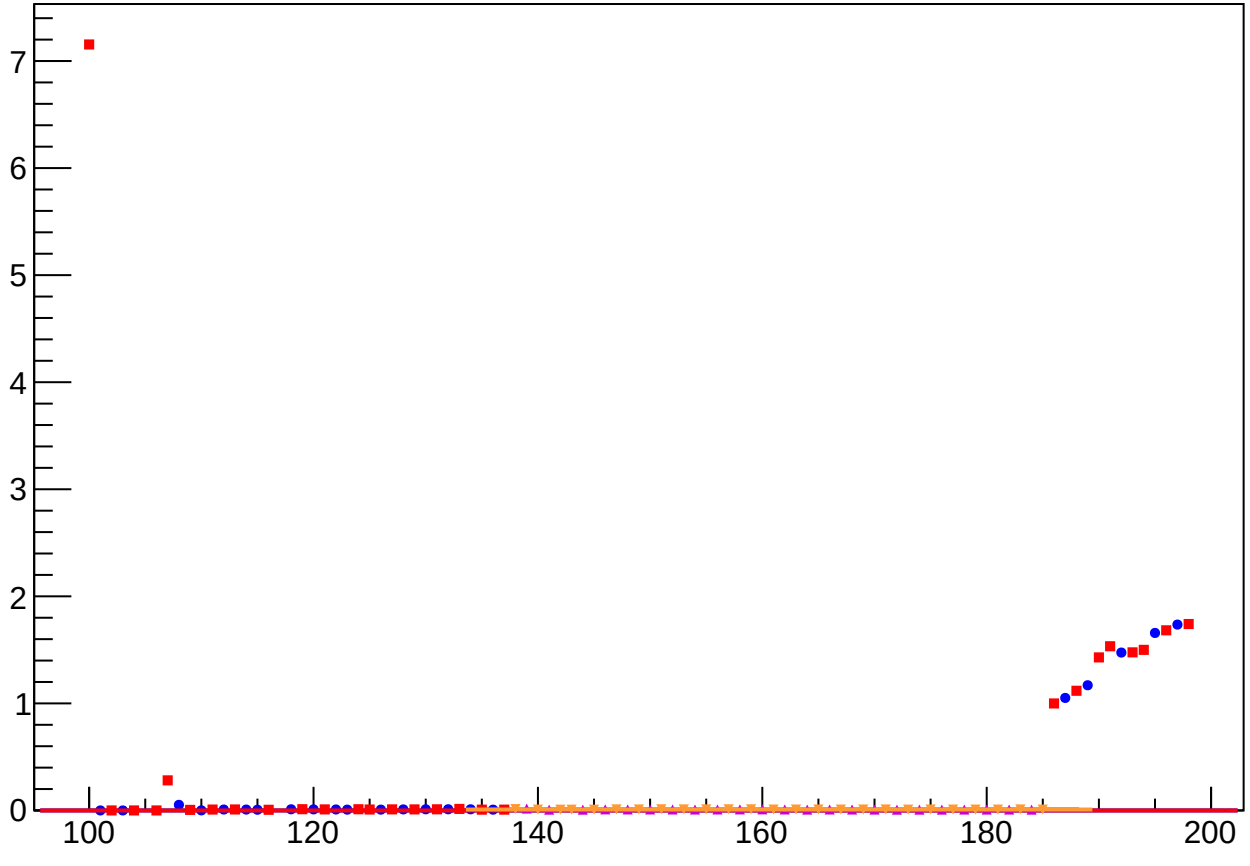
Right: -5.900+/-0.000 χ^2/NDF: 430303412265165.9

In: -6.925+/-0.000 χ^2/NDF:17605079693425.8/44

Out: -4.879+/-0.000 χ^2/NDF:370175328401226.8/

All: -5.858+/-0.000 χ^2/NDF: 4435813773782

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14204233.4/21

Left Out: 0.009+/-0.000 χ^2/NDF:513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18545600.2/26

Left In: 0.009+/-0.000 χ^2/NDF:636557.9/22

Left: 0.009+/-0.000 χ^2/NDF: 1154784.9/47

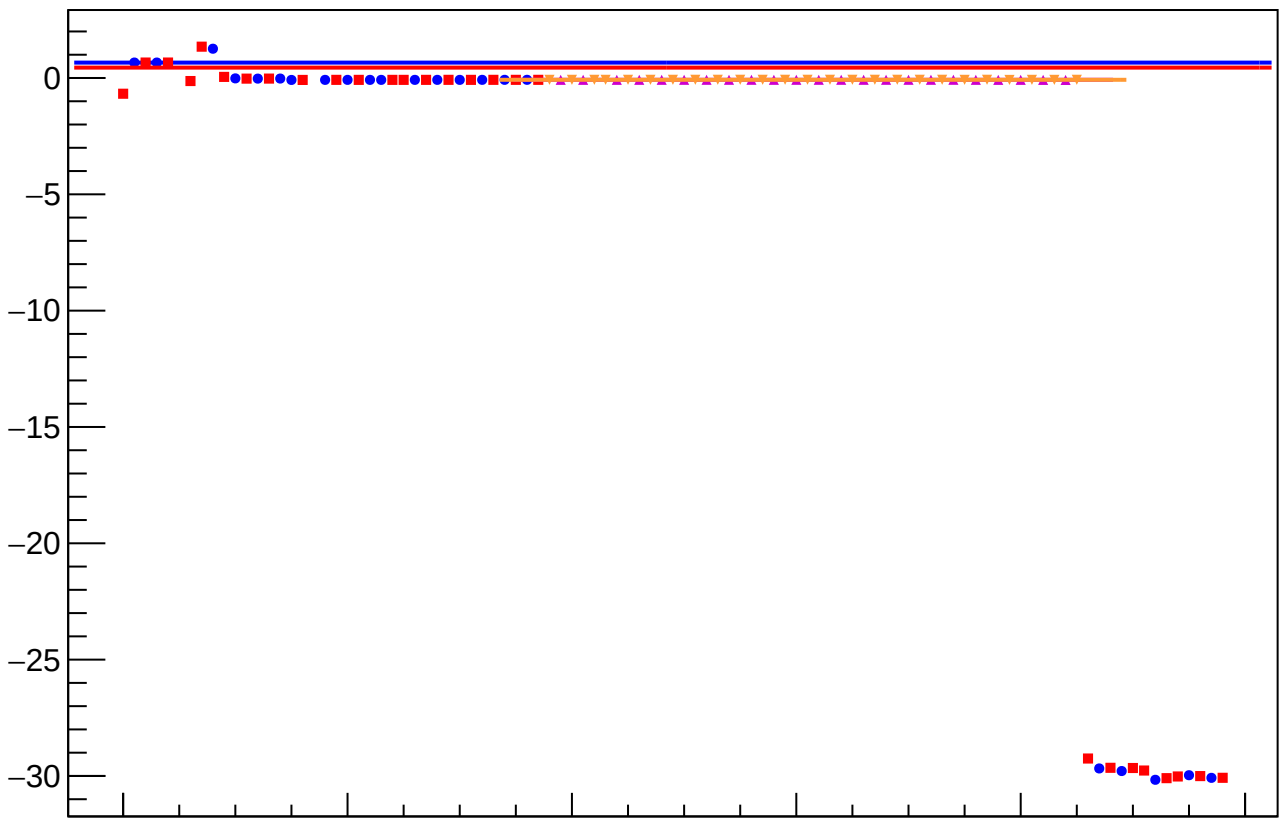
Right: 0.000+/-0.000 χ^2/NDF: 32750133.5/48

In: 0.000+/-0.000 χ^2/NDF:41841375.6/44

Out: 0.000+/-0.000 χ^2/NDF:47573876.9/51

All: 0.000+/-0.000 χ^2/NDF: 89415734.1/96

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF: 5609725464248.7/21

Left Out: -0.078+/-0.000 χ^2/NDF:156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF: 405454722876639.8/26

Left In: -0.077+/-0.000 χ^2/NDF:111221084.5/22

Left: -0.078+/-0.000 χ^2/NDF: 267788024.6/47

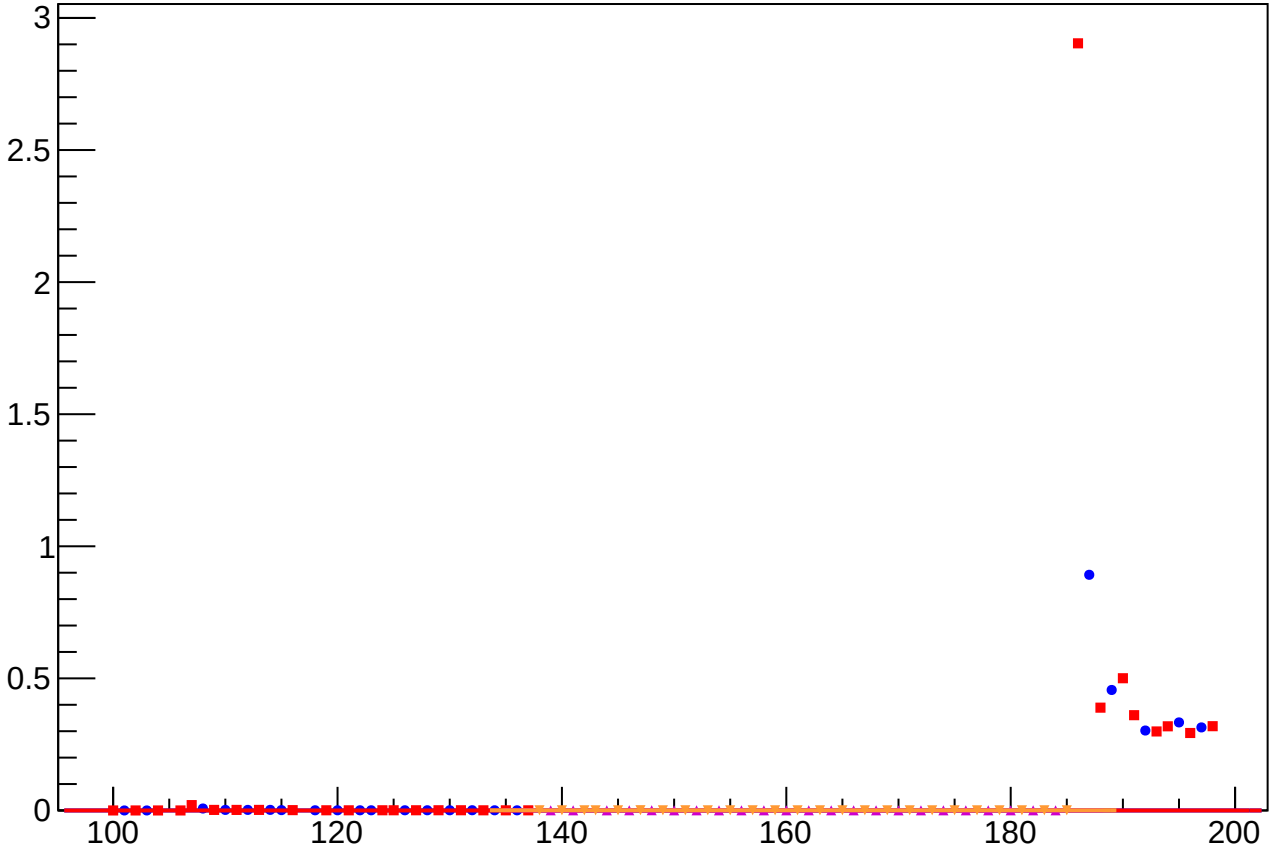
Right: 0.549+/-0.000 χ^2/NDF: 473993737137325.2/

In: 0.647+/-0.000 χ^2/NDF:33869693516321.7/44

Out: 0.436+/-0.000 χ^2/NDF:420649304584678.4/5

All: 0.537+/-0.000 χ^2/NDF: 5160437457449

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15684972.9/21

Left Out: 0.001+/-0.000 χ^2/NDF:466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19077424.5/26

Left In: 0.001+/-0.000 χ^2/NDF:355587.5/22

Left: 0.001+/-0.000 χ^2/NDF: 822908.9/47

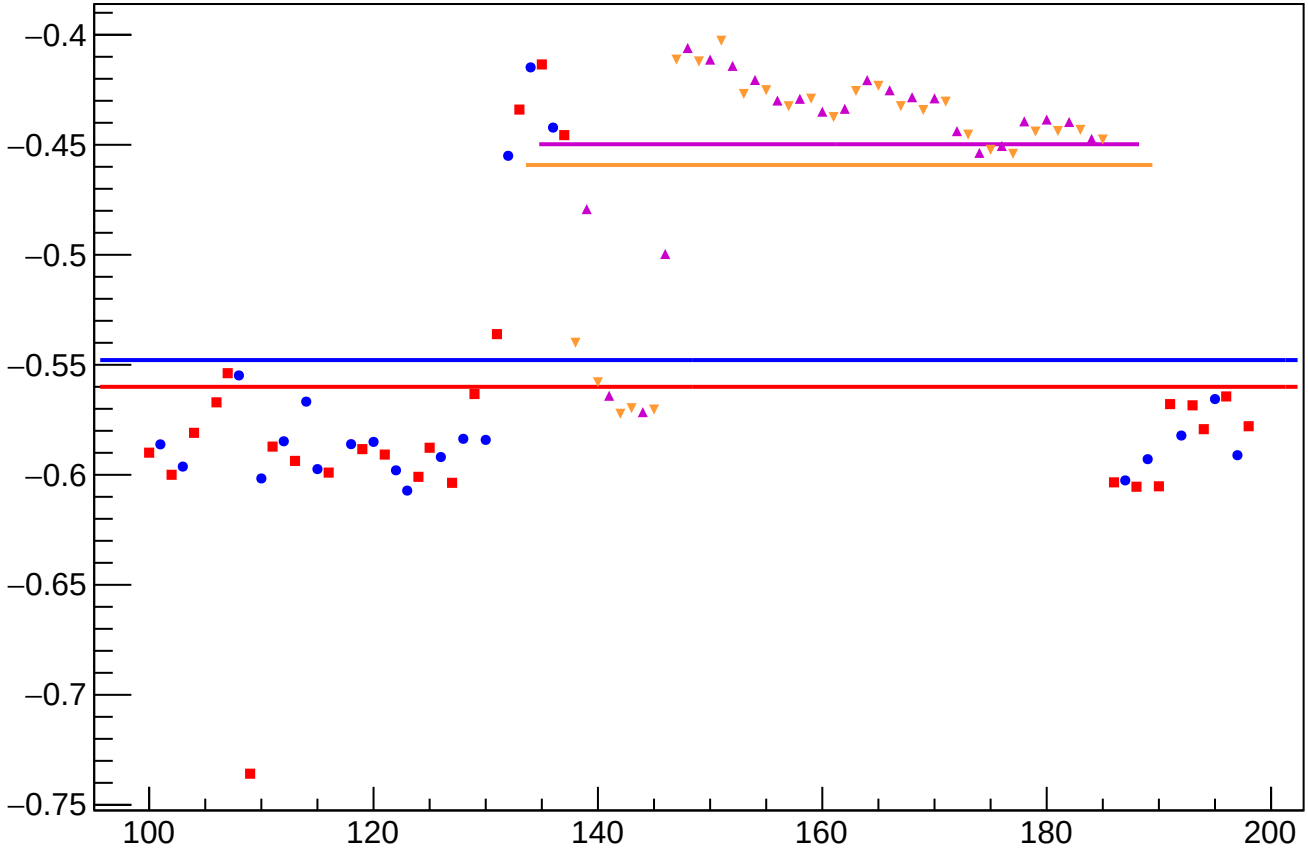
Right: 0.000+/-0.000 χ^2/NDF: 34762403.5/48

In: 0.000+/-0.000 χ^2/NDF:46663645.8/44

Out: 0.000+/-0.000 χ^2/NDF:51791457.8/51

All: 0.000+/-0.000 χ^2/NDF: 98455500.0/96

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF: 47440203.1/21

Left Out: -0.459+/-0.000 χ^2/NDF:113808762.6/24

Right Out: -0.560+/-0.000 χ^2/NDF: 65285580.8/26

Left In: -0.450+/-0.000 χ^2/NDF:76151485.7/22

Left: -0.455+/-0.000 χ^2/NDF: 191688333.2/47

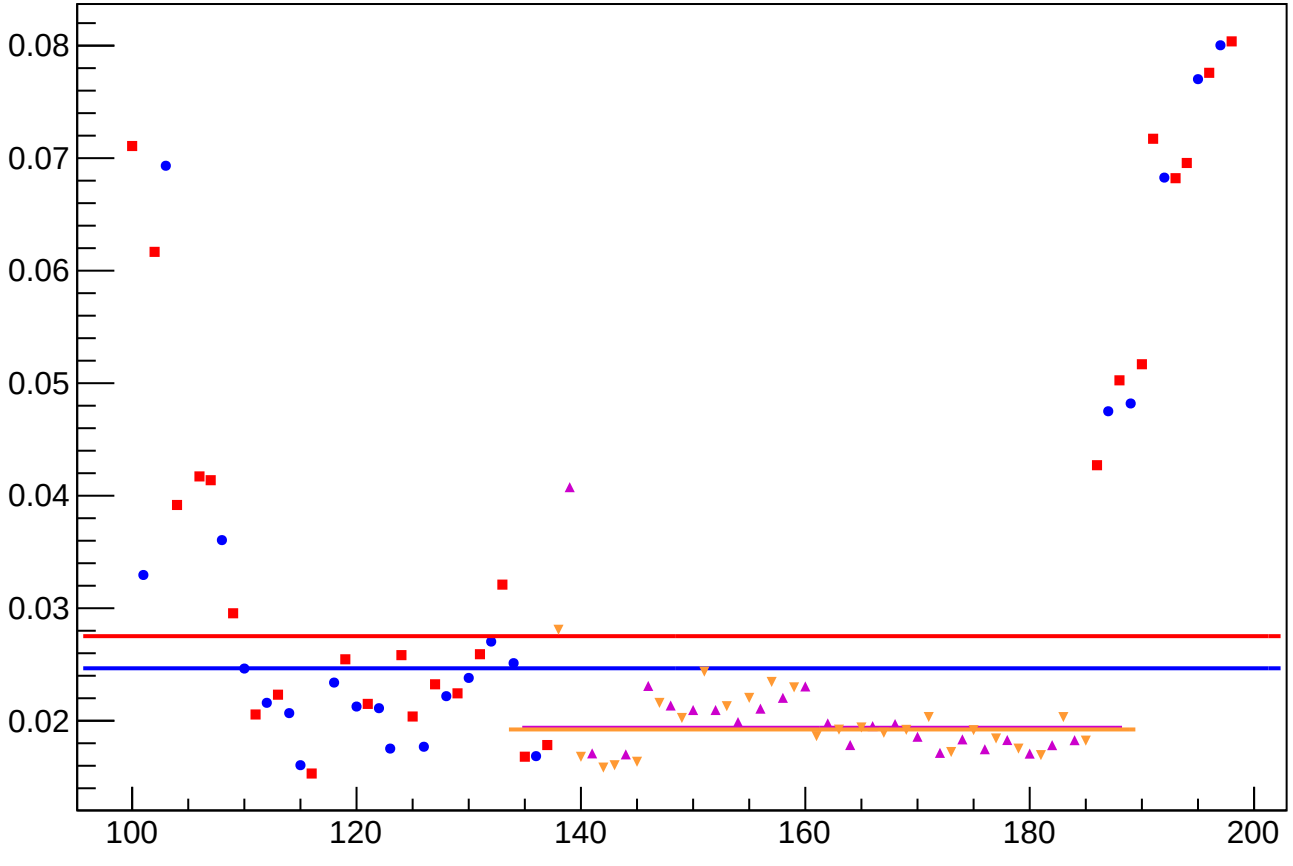
Right: -0.554+/-0.000 χ^2/NDF: 113544044.8/48

In: -0.472+/-0.000 χ^2/NDF:205739199.6/44

Out: -0.481+/-0.000 χ^2/NDF:267534385.4/51

All: -0.477+/-0.000 χ^2/NDF: 475227651.2/96

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 3542421.2/21

Left Out: 0.019+/-0.000 χ^2/NDF:501253.7/24

Right Out: 0.028+/-0.000 χ^2/NDF: 4726362.2/26

Left In: 0.019+/-0.000 χ^2/NDF:656155.9/22

Left: 0.019+/-0.000 χ^2/NDF: 1158298.6/47

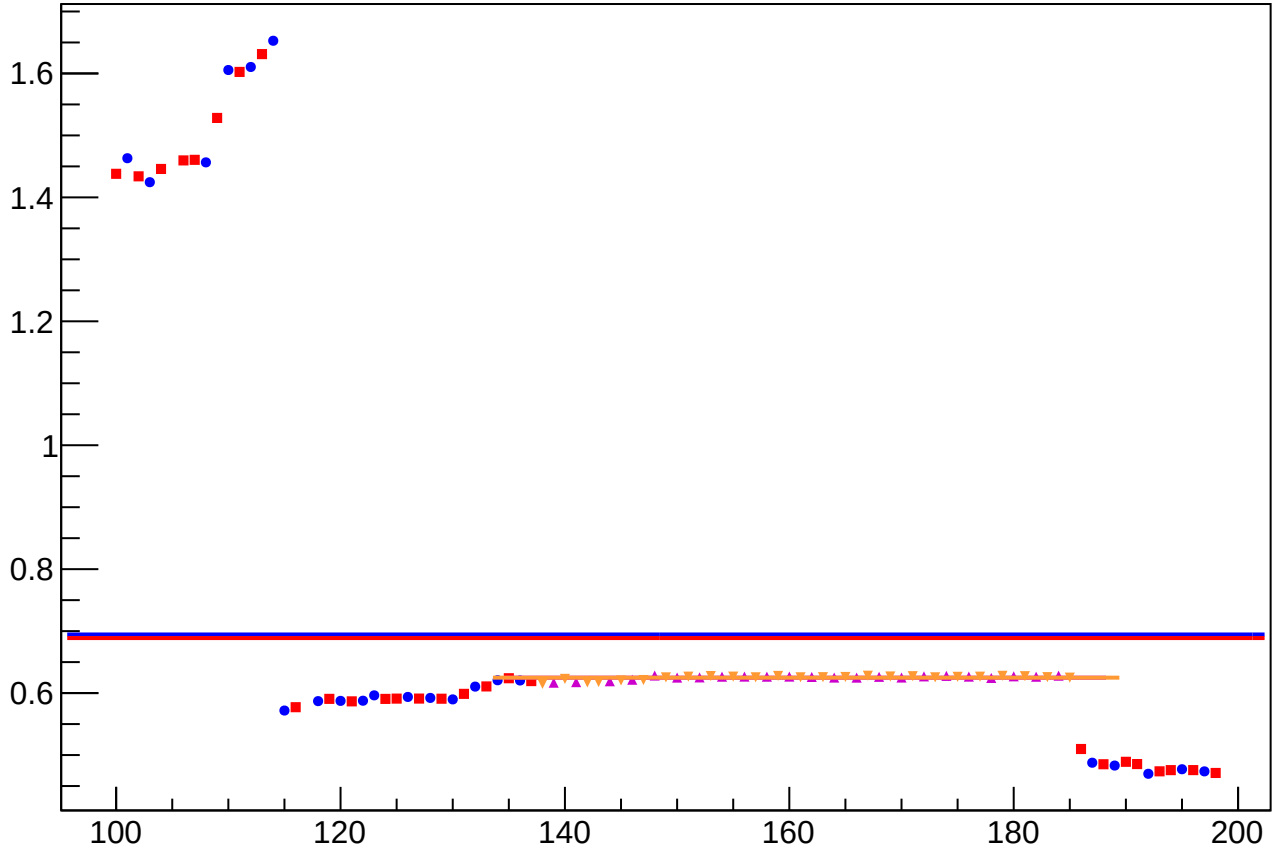
Right: 0.026+/-0.000 χ^2/NDF: 8359092.5/48

In: 0.021+/-0.000 χ^2/NDF:4675560.1/44

Out: 0.021+/-0.000 χ^2/NDF:6424277.2/51

All: 0.021+/-0.000 χ^2/NDF: 11109284.1/96

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.695+/-0.000 χ^2/NDF: 4422352210.2/21

Left Out: 0.625+/-0.000 χ^2/NDF:1442225.6/24

Right Out: 0.689+/-0.000 χ^2/NDF: 5601441920.0/26

Left In: 0.625+/-0.000 χ^2/NDF:1135039.4/22

Left: 0.625+/-0.000 χ^2/NDF: 2577573.3/47

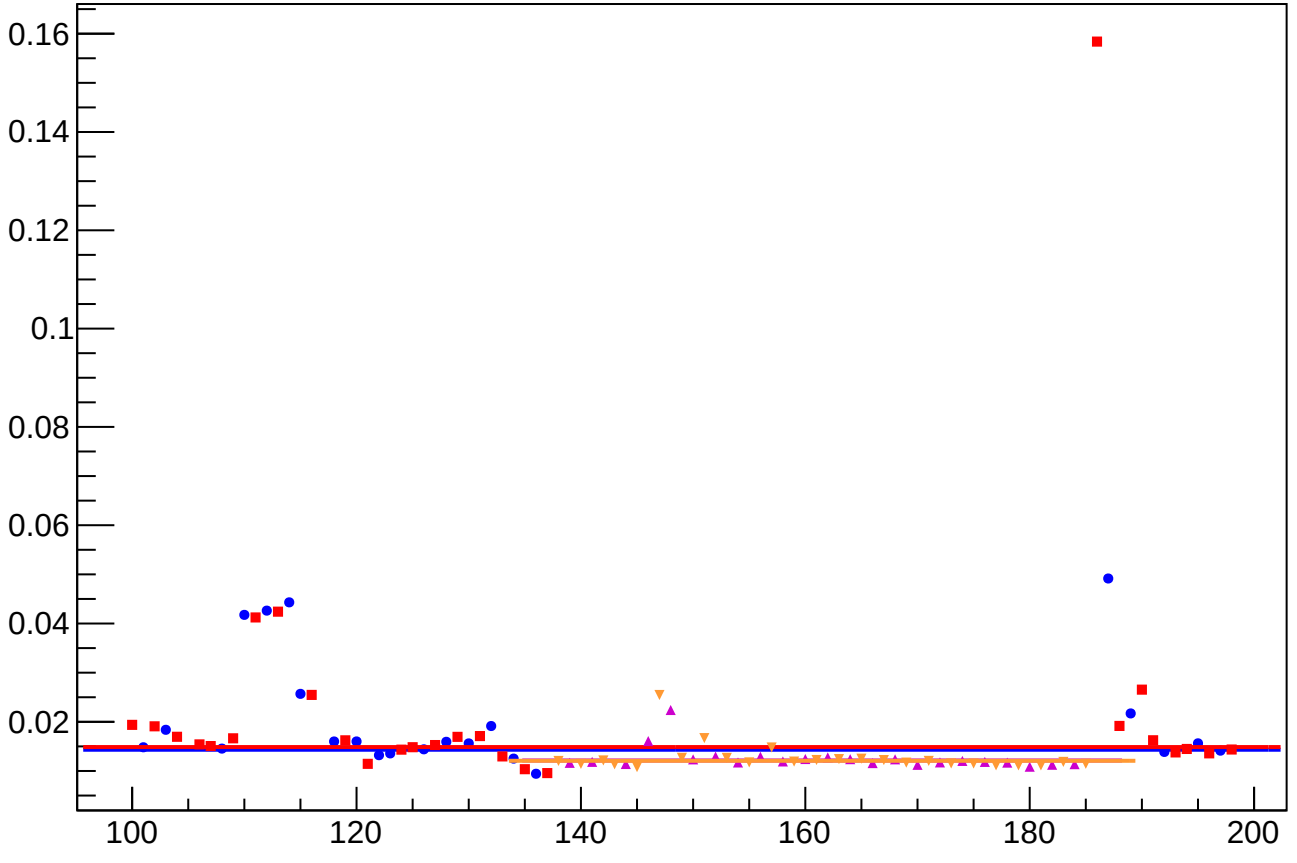
Right: 0.691+/-0.000 χ^2/NDF: 10024525685.9/48

In: 0.643+/-0.000 χ^2/NDF:4569757410.2/44

Out: 0.643+/-0.000 χ^2/NDF:5740947751.6/51

All: 0.643+/-0.000 χ^2/NDF: 10310723368.6/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1639514.2/21

Left Out: 0.012+/-0.000 χ^2/NDF:657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2068974.0/26

Left In: 0.012+/-0.000 χ^2/NDF:488249.4/22

Left: 0.012+/-0.000 χ^2/NDF: 1146144.5/47

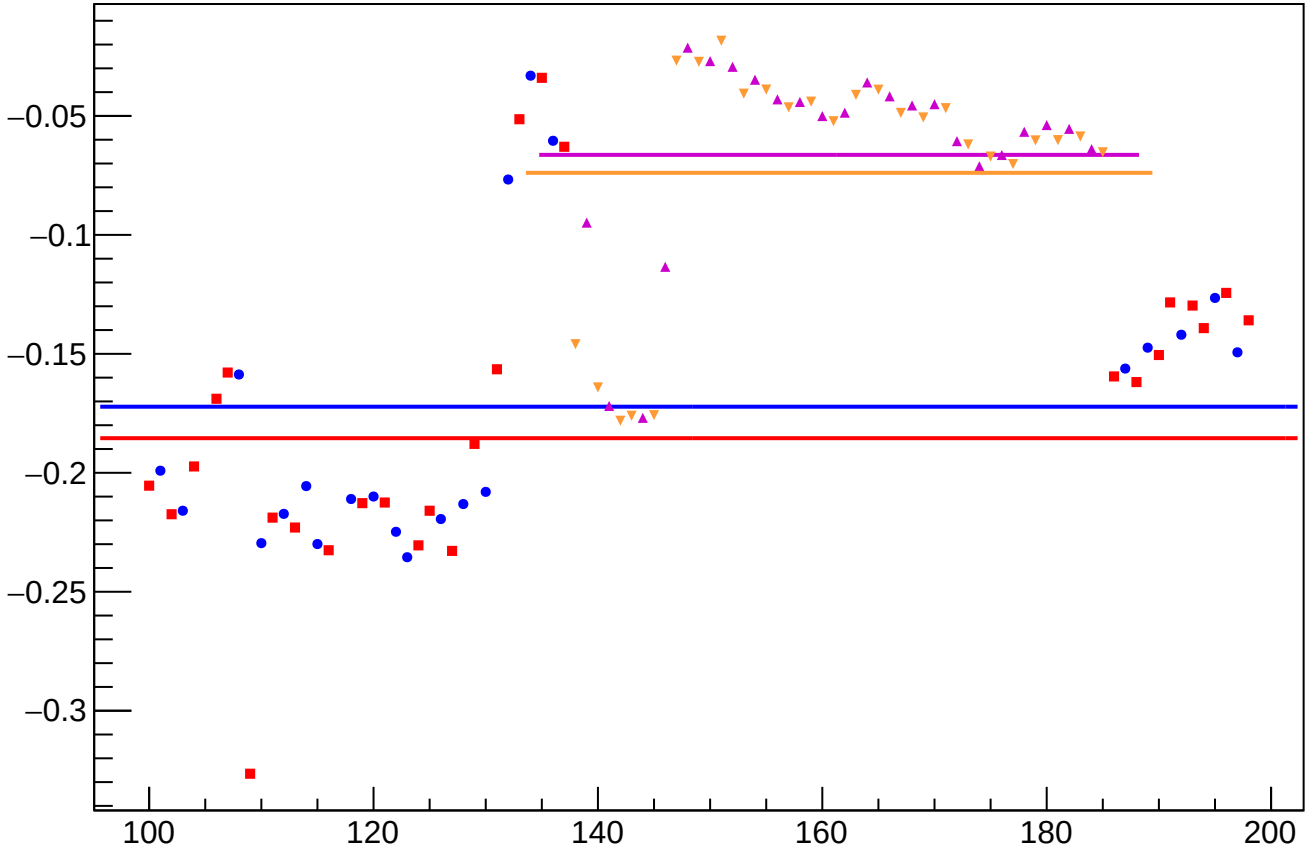
Right: 0.015+/-0.000 χ^2/NDF: 3721335.5/48

In: 0.013+/-0.000 χ^2/NDF:2415163.0/44

Out: 0.013+/-0.000 χ^2/NDF:3253555.7/51

All: 0.013+/-0.000 χ^2/NDF: 5671887.9/96

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.172+/-0.000 χ^2/NDF: 67532160.0/21

Left Out: -0.074+/-0.000 χ^2/NDF:107858881.3/24

Right Out: -0.185+/-0.000 χ^2/NDF: 83937477.6/26

Left In: -0.066+/-0.000 χ^2/NDF:76283954.4/22

Left: -0.070+/-0.000 χ^2/NDF: 185261776.8/47

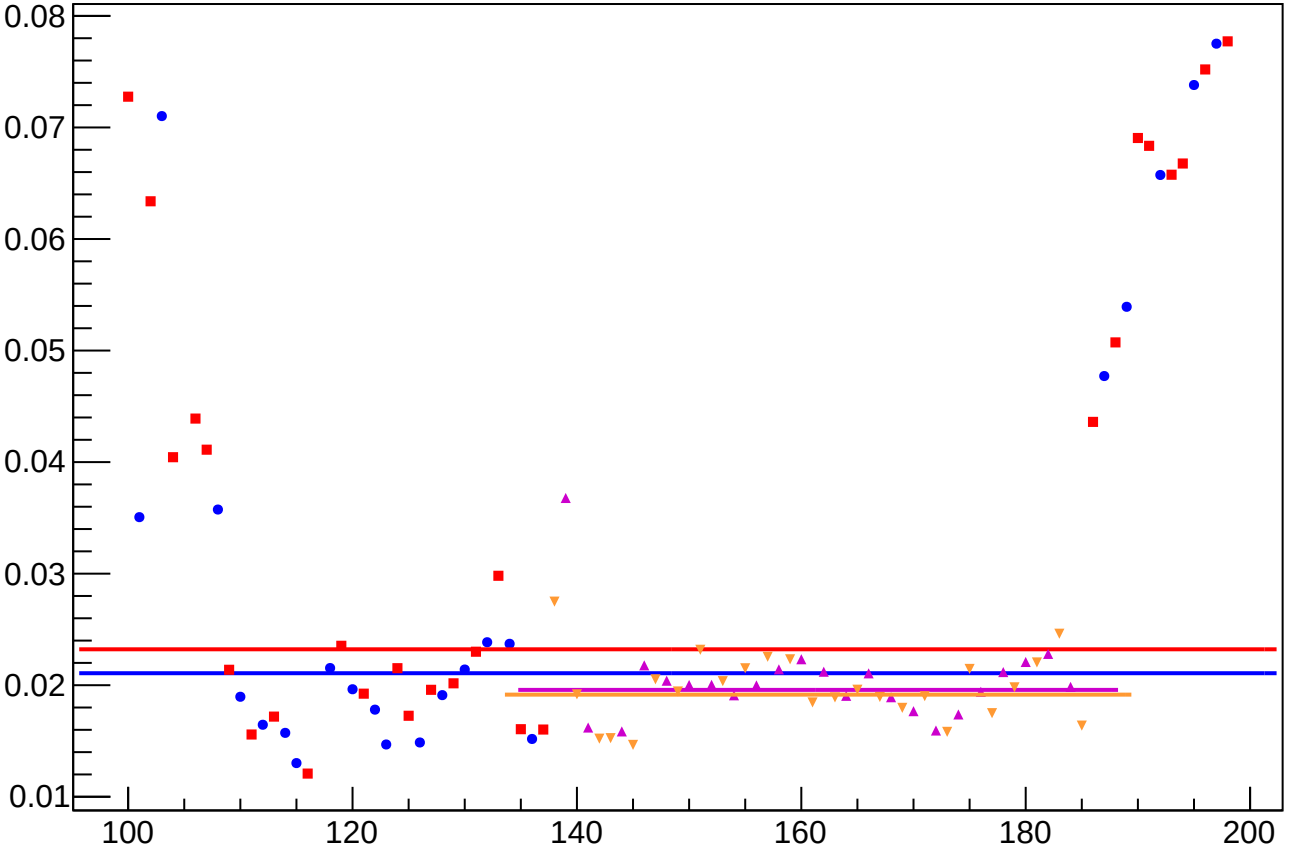
Right: -0.179+/-0.000 χ^2/NDF: 152747209.3/48

In: -0.096+/-0.000 χ^2/NDF:261008978.6/44

Out: -0.103+/-0.000 χ^2/NDF:326294134.8/51

All: -0.100+/-0.000 χ^2/NDF: 588718691.0/96

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4168615.9/21

Left Out: 0.019+/-0.000 χ^2/NDF:641027.3/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5788411.7/26

Left In: 0.020+/-0.000 χ^2/NDF:651328.7/22

Left: 0.019+/-0.000 χ^2/NDF: 1299461.3/47

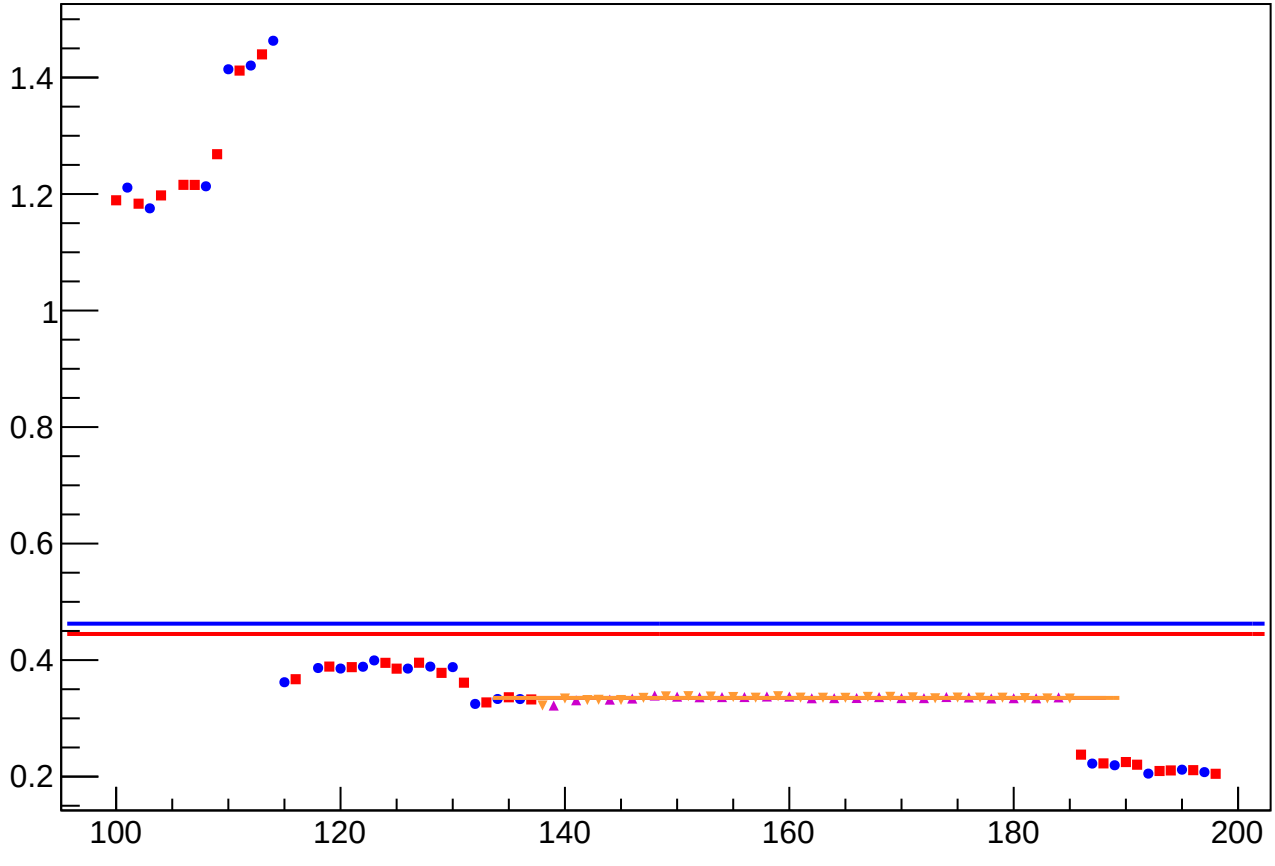
Right: 0.022+/-0.000 χ^2/NDF: 10024049.9/48

In: 0.020+/-0.000 χ^2/NDF:4866685.7/44

Out: 0.020+/-0.000 χ^2/NDF:6786572.8/51

All: 0.020+/-0.000 χ^2/NDF: 11655939.5/96

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.463+/-0.000 χ^2/NDF: 6430393792.6/21

Left Out: 0.335+/-0.000 χ^2/NDF:1153956.7/24

Right Out: 0.445+/-0.000 χ^2/NDF: 7858681203.0/26

Left In: 0.335+/-0.000 χ^2/NDF:1198302.8/22

Left: 0.335+/-0.000 χ^2/NDF: 2352818.7/47

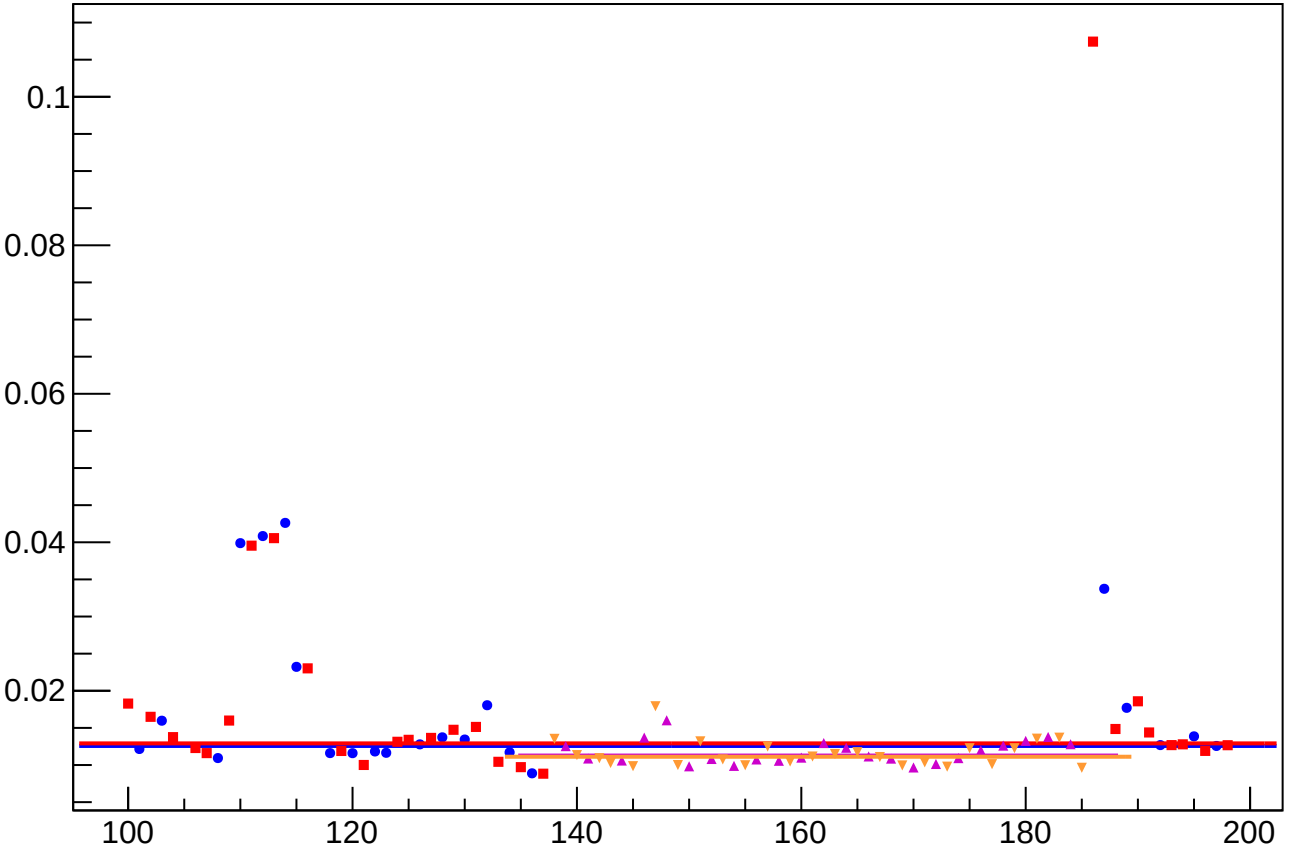
Right: 0.453+/-0.000 χ^2/NDF: 14298056350.0/48

In: 0.372+/-0.000 χ^2/NDF:7047006677.5/44

Out: 0.369+/-0.000 χ^2/NDF:8379621972.2/51

All: 0.370+/-0.000 χ^2/NDF: 15427732476.5/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1508768.1/21

Left Out: 0.011+/-0.000 χ^2/NDF:608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1928564.3/26

Left In: 0.011+/-0.000 χ^2/NDF:502226.7/22

Left: 0.011+/-0.000 χ^2/NDF: 1113859.9/47

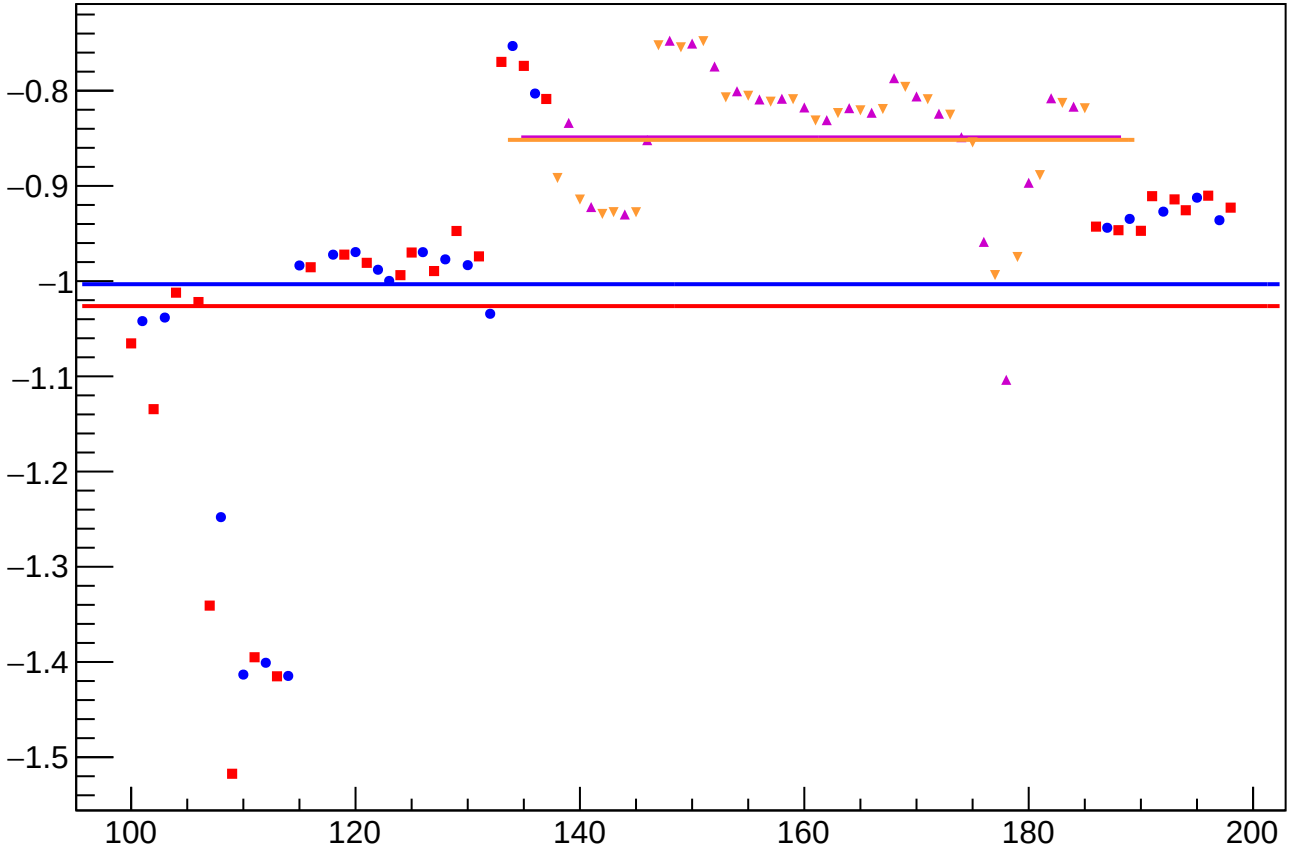
Right: 0.013+/-0.000 χ^2/NDF: 3444196.2/48

In: 0.012+/-0.000 χ^2/NDF:2137837.7/44

Out: 0.012+/-0.000 χ^2/NDF:2816102.6/51

All: 0.012+/-0.000 χ^2/NDF: 4953985.7/96

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.003+/-0.000 χ^2/NDF: 397347767.5/21

Left Out: -0.852+/-0.000 χ^2/NDF:189276591.7/24

Right Out: -1.026+/-0.000 χ^2/NDF: 548256756.4/26

Left In: -0.849+/-0.000 χ^2/NDF:256438306.8/22

Left: -0.850+/-0.000 χ^2/NDF: 445849768.4/47

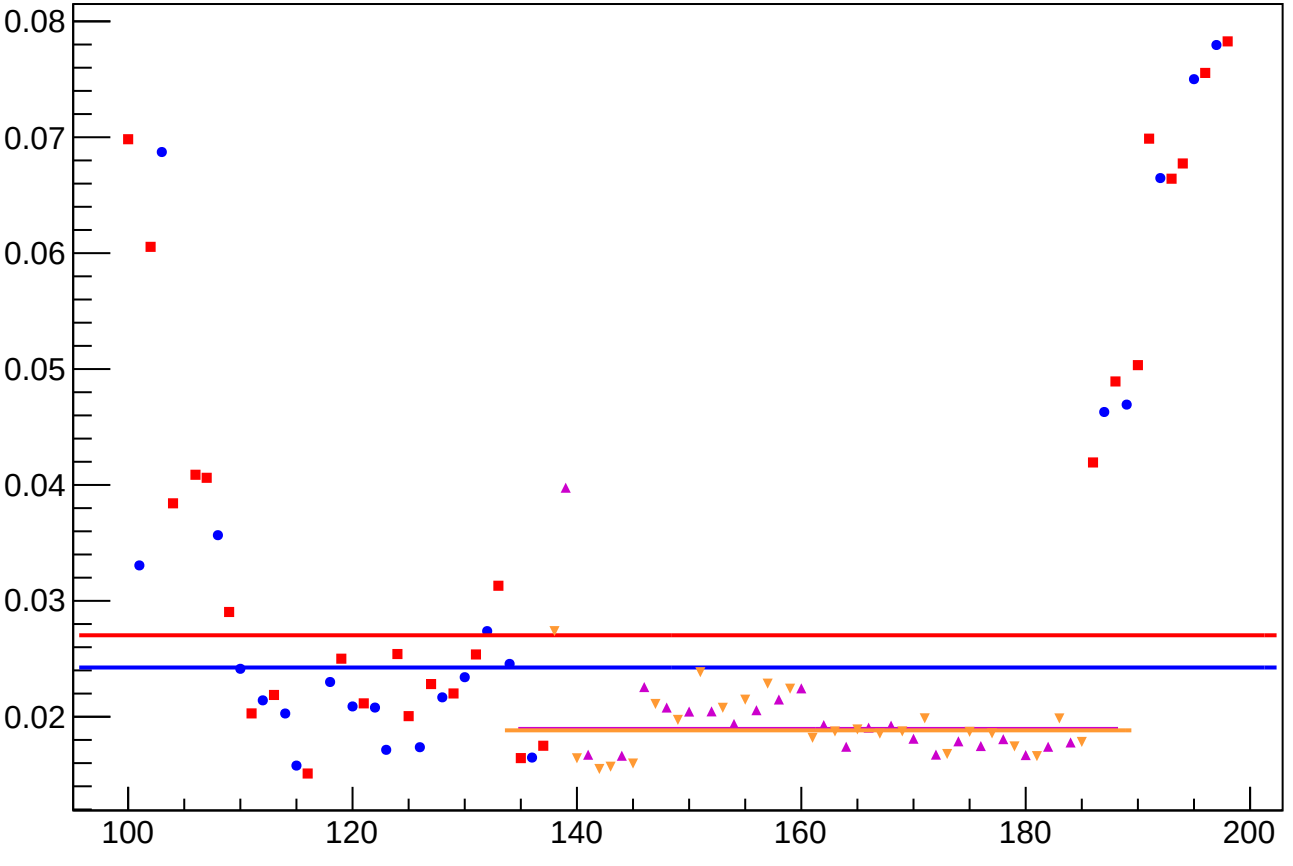
Right: -1.015+/-0.000 χ^2/NDF: 948639511.0/48

In: -0.884+/-0.000 χ^2/NDF:864251418.4/44

Out: -0.889+/-0.000 χ^2/NDF:1012911286.6/51

All: -0.887+/-0.000 χ^2/NDF: 1877896782.3/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 3542796.0/21

Left Out: 0.019+/-0.000 χ^2/NDF:490084.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 4686562.2/26

Left In: 0.019+/-0.000 χ^2/NDF:645048.1/22

Left: 0.019+/-0.000 χ^2/NDF: 1135735.6/47

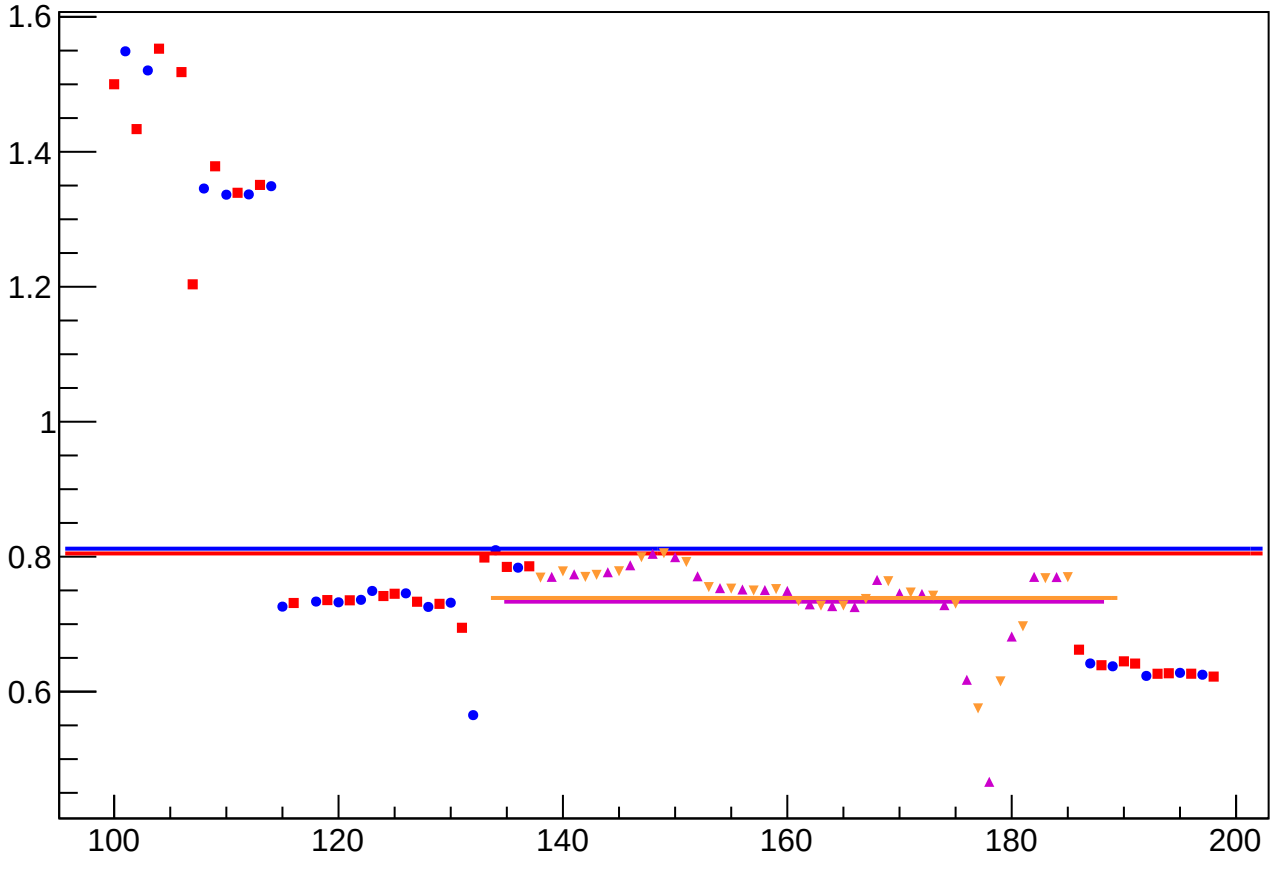
Right: 0.026+/-0.000 χ^2/NDF: 8318063.4/48

In: 0.020+/-0.000 χ^2/NDF:4685276.8/44

Out: 0.021+/-0.000 χ^2/NDF:6392148.1/51

All: 0.020+/-0.000 χ^2/NDF: 11087758.1/96

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.812+/-0.000 χ^2/NDF: 3012704904.8/21

Left Out: 0.739+/-0.000 χ^2/NDF:333086309.0/24

Right Out: 0.805+/-0.000 χ^2/NDF: 3446305332.5/26

Left In: 0.733+/-0.000 χ^2/NDF:570264411.7/22

Left: 0.736+/-0.000 χ^2/NDF: 905100069.4/47

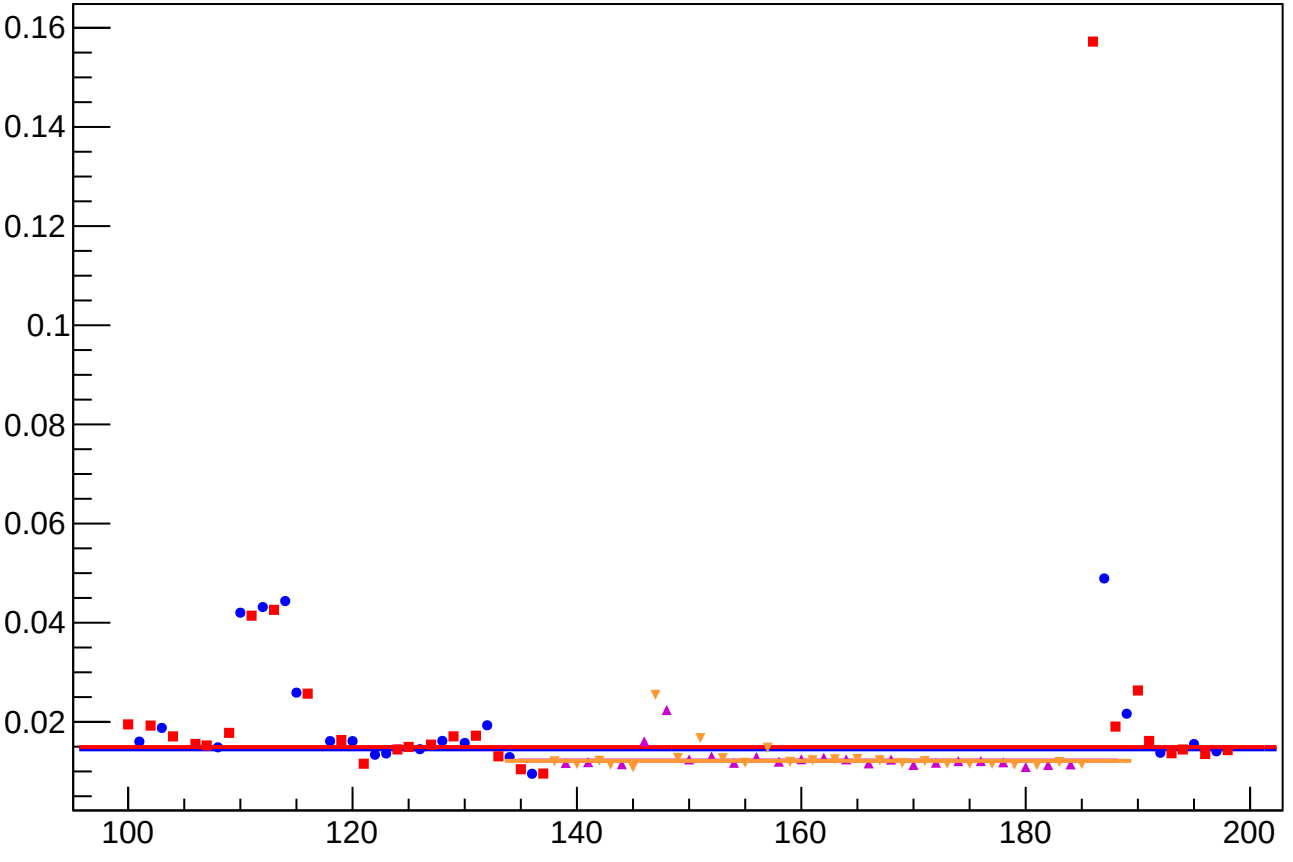
Right: 0.808+/-0.000 χ^2/NDF: 6460085257.3/48

In: 0.754+/-0.000 χ^2/NDF:3764816967.2/44

Out: 0.757+/-0.000 χ^2/NDF:3925063918.1/51

All: 0.756+/-0.000 χ^2/NDF: 7690833858.5/96

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1640978.7/21

Left Out: 0.012+/-0.000 χ^2/NDF:638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2073659.0/26

Left In: 0.012+/-0.000 χ^2/NDF:481639.6/22

Left: 0.012+/-0.000 χ^2/NDF: 1120132.0/47

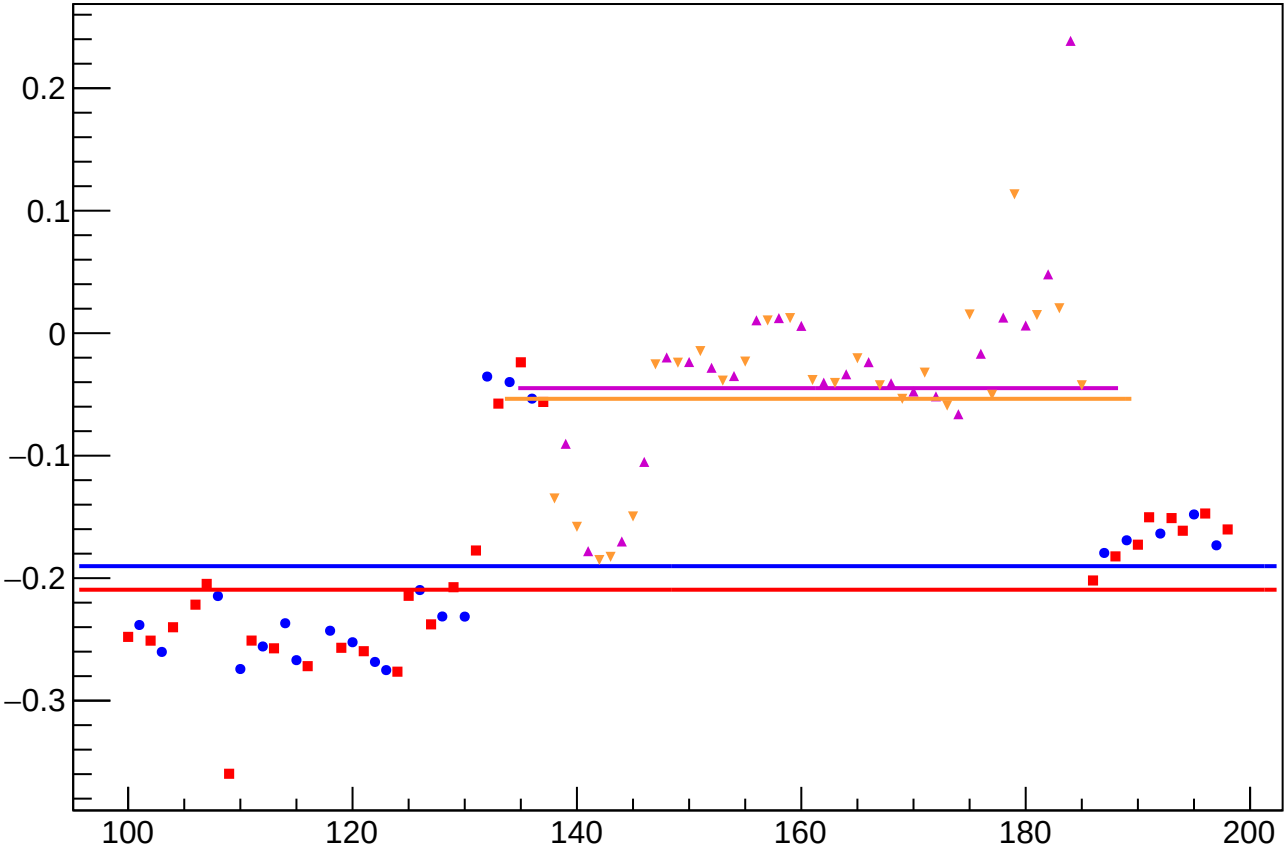
Right: 0.015+/-0.000 χ^2/NDF: 3723547.8/48

In: 0.013+/-0.000 χ^2/NDF:2427101.7/44

Out: 0.013+/-0.000 χ^2/NDF:3228123.9/51

All: 0.013+/-0.000 χ^2/NDF: 5658130.3/96

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 106480942.4/21

Left Out: -0.054+/-0.000 χ^2/NDF:167879648.0/24

Right Out: -0.209+/-0.000 χ^2/NDF: 112111484.3/26

Left In: -0.045+/-0.000 χ^2/NDF:127324000.1/22

Left: -0.049+/-0.000 χ^2/NDF: 296677486.5/47

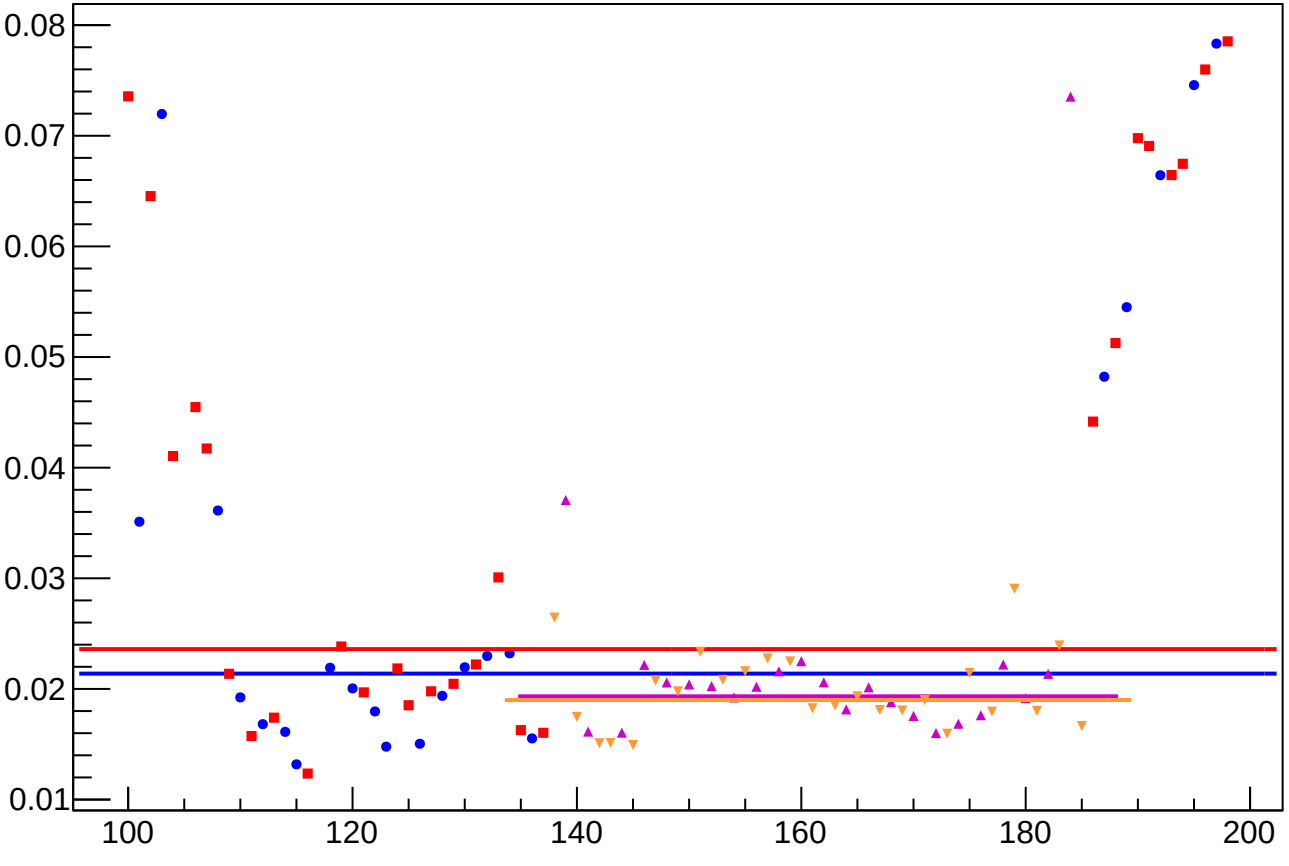
Right: -0.200+/-0.000 χ^2/NDF: 221211389.9/48

In: -0.085+/-0.000 χ^2/NDF:450220337.7/44

Out: -0.094+/-0.000 χ^2/NDF:535448478.0/51

All: -0.090+/-0.000 χ^2/NDF: 987909379.8/96

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4129741.2/21

Left Out: 0.019+/-0.000 χ^2/NDF:699267.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5755910.8/26

Left In: 0.019+/-0.000 χ^2/NDF:892810.7/22

Left: 0.019+/-0.000 χ^2/NDF: 1596405.3/47

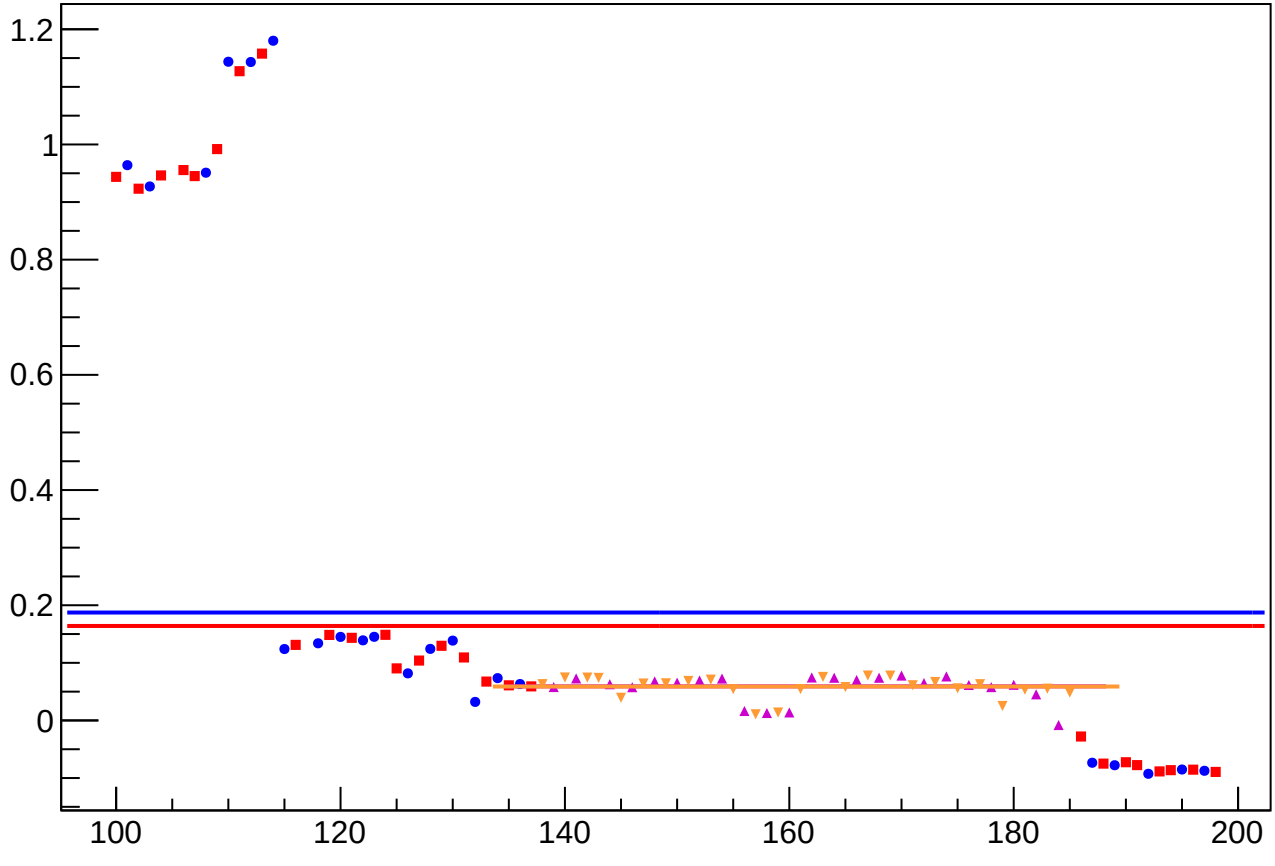
Right: 0.022+/-0.000 χ^2/NDF: 9955162.8/48

In: 0.020+/-0.000 χ^2/NDF:5108984.4/44

Out: 0.020+/-0.000 χ^2/NDF:6900801.7/51

All: 0.020+/-0.000 χ^2/NDF: 12014410.3/96

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.187+/-0.000 χ^2/NDF: 6855553534.0/21

Left Out: 0.059+/-0.000 χ^2/NDF:46902918.4/24

Right Out: 0.164+/-0.000 χ^2/NDF: 8230505044.0/26

Left In: 0.059+/-0.000 χ^2/NDF:58640898.5/22

Left: 0.059+/-0.000 χ^2/NDF: 105549886.8/47

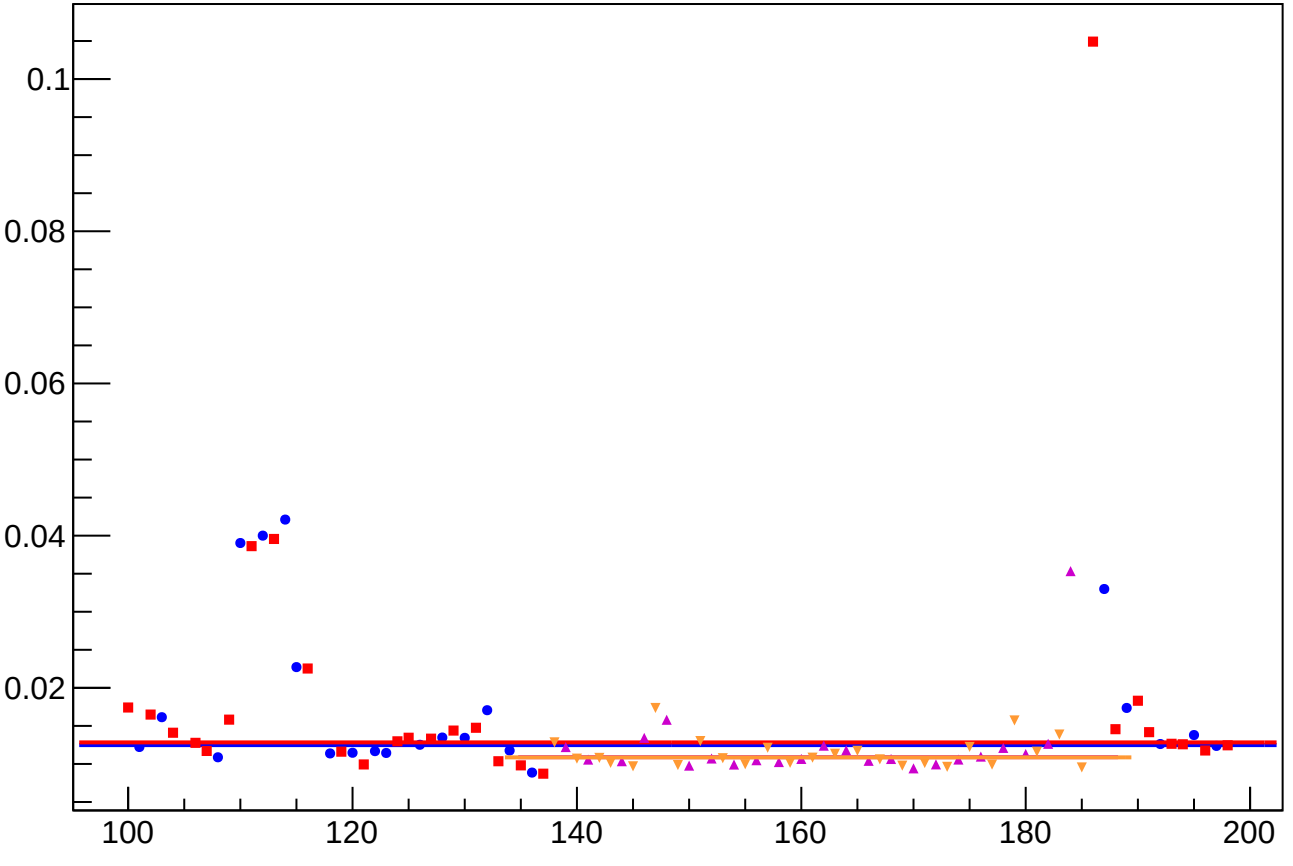
Right: 0.175+/-0.000 χ^2/NDF: 15101901734.2/48

In: 0.095+/-0.000 χ^2/NDF:7551249568.6/44

Out: 0.091+/-0.000 χ^2/NDF:8761493015.2/51

All: 0.093+/-0.000 χ^2/NDF: 16314899996.0/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1475907.7/21

Left Out: 0.011+/-0.000 χ^2/NDF:605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1887585.2/26

Left In: 0.011+/-0.000 χ^2/NDF:529867.3/22

Left: 0.011+/-0.000 χ^2/NDF: 1135492.7/47

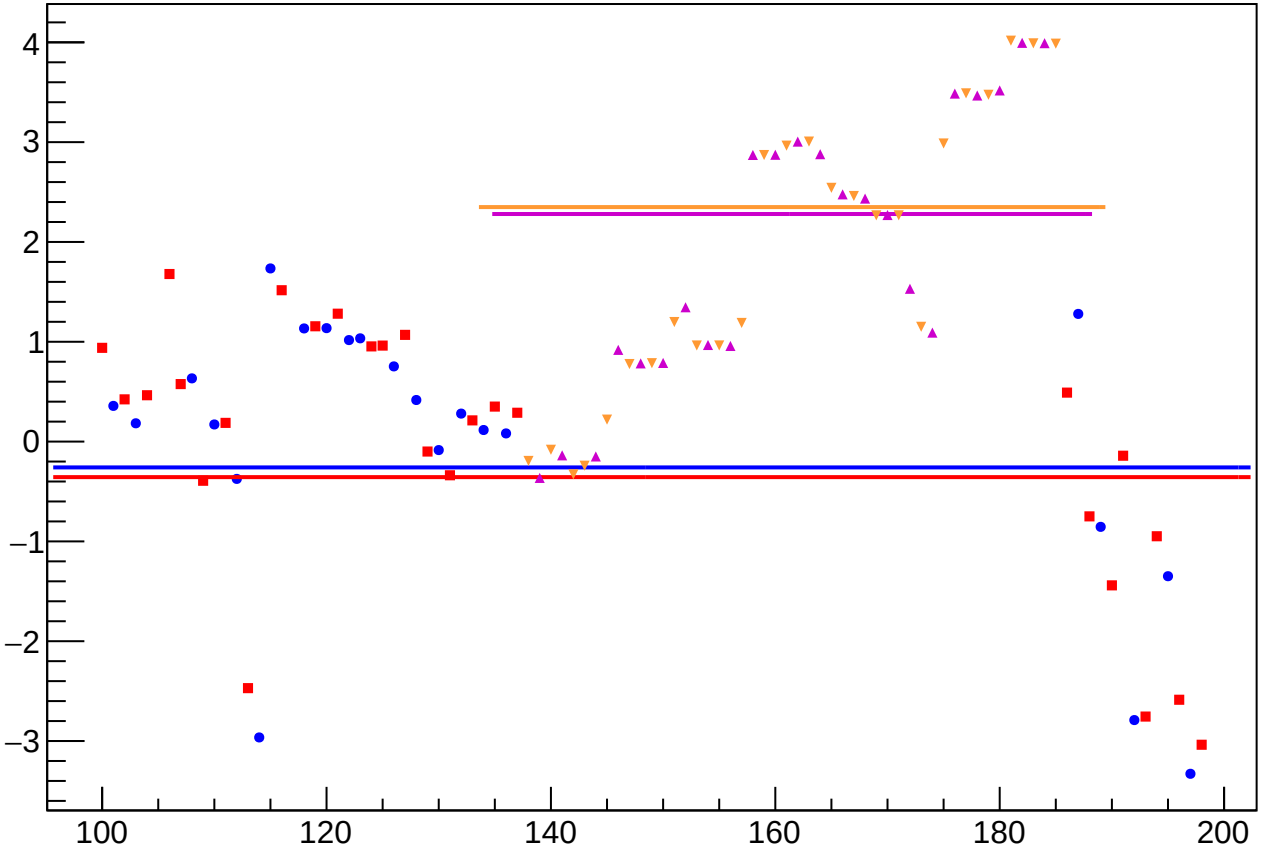
Right: 0.013+/-0.000 χ^2/NDF: 3370866.0/48

In: 0.011+/-0.000 χ^2/NDF:2200288.4/44

Out: 0.011+/-0.000 χ^2/NDF:2832118.2/51

All: 0.011+/-0.000 χ^2/NDF: 5035341.7/96

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.259+/-0.000 χ^2/NDF: 4047968749.3/21

Left Out: 2.349+/-0.000 χ^2/NDF:63600066268.3/24

Right Out: -0.356+/-0.000 χ^2/NDF: 5334113373.0/26

Left In: 2.280+/-0.000 χ^2/NDF:61444254541.3/22

Left: 2.314+/-0.000 χ^2/NDF: 125168787170.9/47

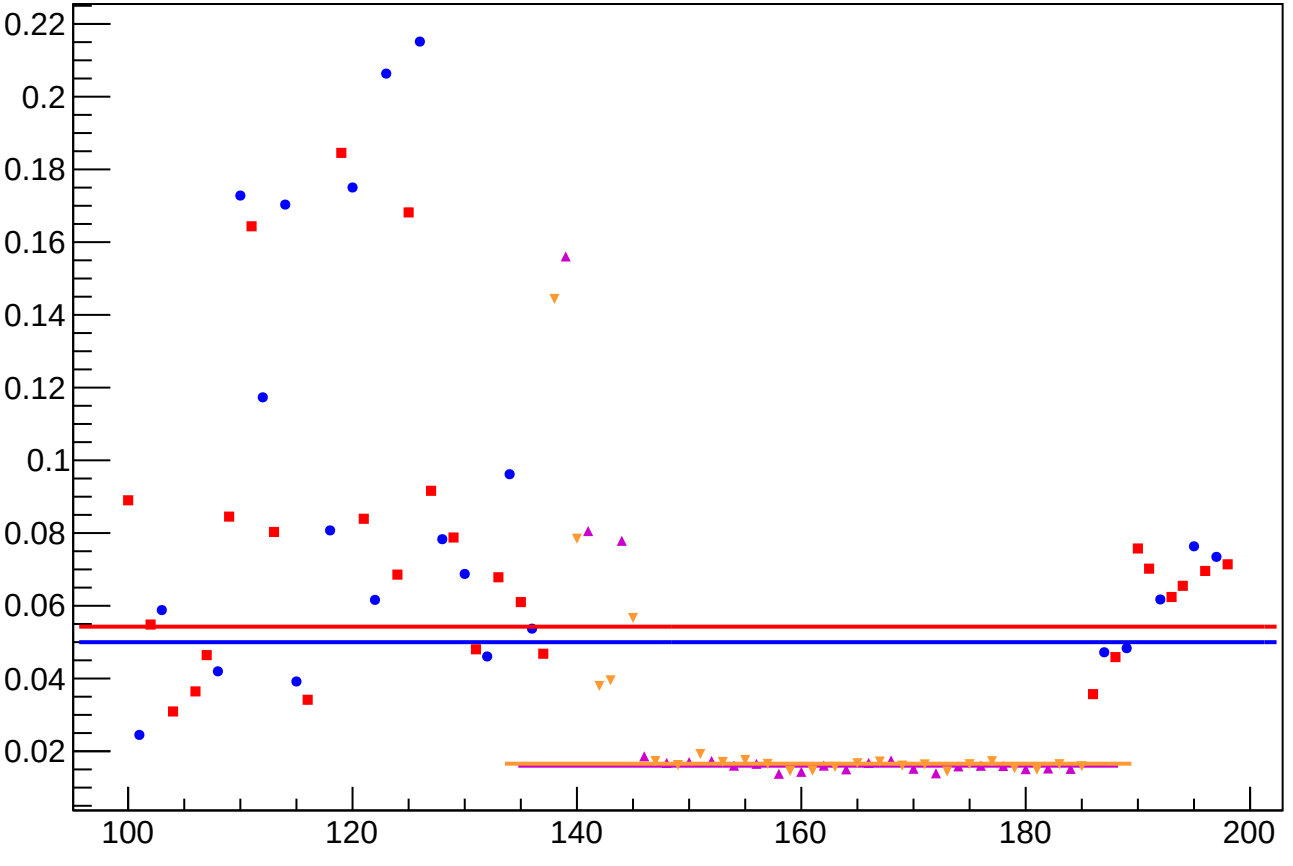
Right: -0.312+/-0.000 χ^2/NDF: 9394731245.8/48

In: 2.166+/-0.000 χ^2/NDF:80660596617.4/44

Out: 2.204+/-0.000 χ^2/NDF:89115546641.7/51

All: 2.184+/-0.000 χ^2/NDF: 169815218340.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 3263692.6/21

Left Out: 0.017+/-0.000 χ^2/NDF:2623615.6/24

Right Out: 0.054+/-0.000 χ^2/NDF: 2730869.8/26

Left In: 0.016+/-0.000 χ^2/NDF:2463853.3/22

Left: 0.016+/-0.000 χ^2/NDF: 5102815.6/47

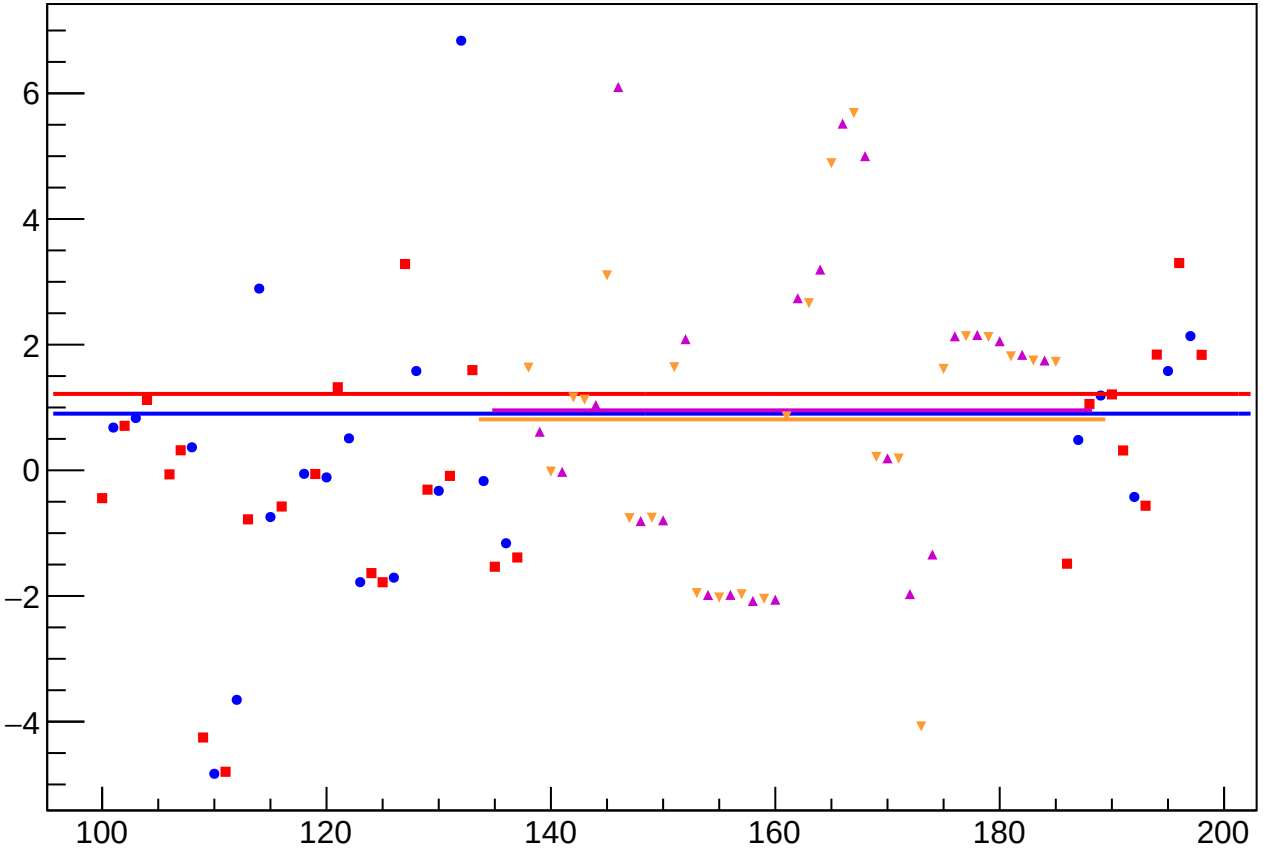
Right: 0.052+/-0.000 χ^2/NDF: 6043172.3/48

In: 0.018+/-0.000 χ^2/NDF:11156421.1/44

Out: 0.019+/-0.000 χ^2/NDF:13184878.0/51

All: 0.018+/-0.000 χ^2/NDF: 24400859.2/96

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.902+/-0.000 χ^2/NDF: 18495792499.2/21

Left Out: 0.810+/-0.000 χ^2/NDF:507583198570.2/24

Right Out: 1.216+/-0.000 χ^2/NDF: 23507563422.7/26

Left In: 0.954+/-0.000 χ^2/NDF:574792794608.3/22

Left: 0.883+/-0.000 χ^2/NDF: 1083260277372.9/47

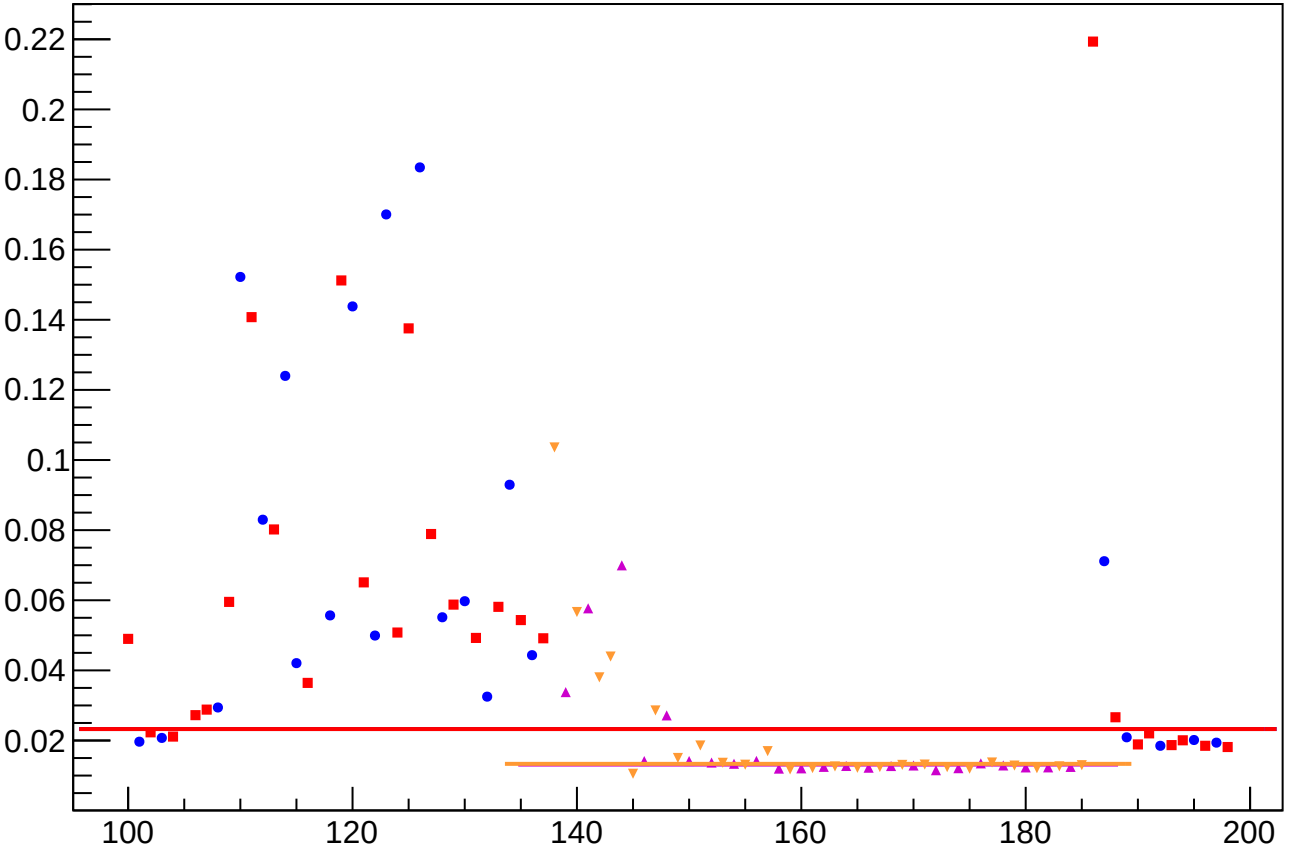
Right: 1.079+/-0.000 χ^2/NDF: 42588879020.1/48

In: 0.949+/-0.000 χ^2/NDF:593314211310.4/44

Out: 0.866+/-0.000 χ^2/NDF:533024505509.0/51

All: 0.907+/-0.000 χ^2/NDF: 1126667868878.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 3581931.9/21

Left Out: 0.013+/-0.000 χ^2/NDF:2829070.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4694240.9/26

Left In: 0.013+/-0.000 χ^2/NDF:1968206.9/22

Left: 0.013+/-0.000 χ^2/NDF: 4800890.3/47

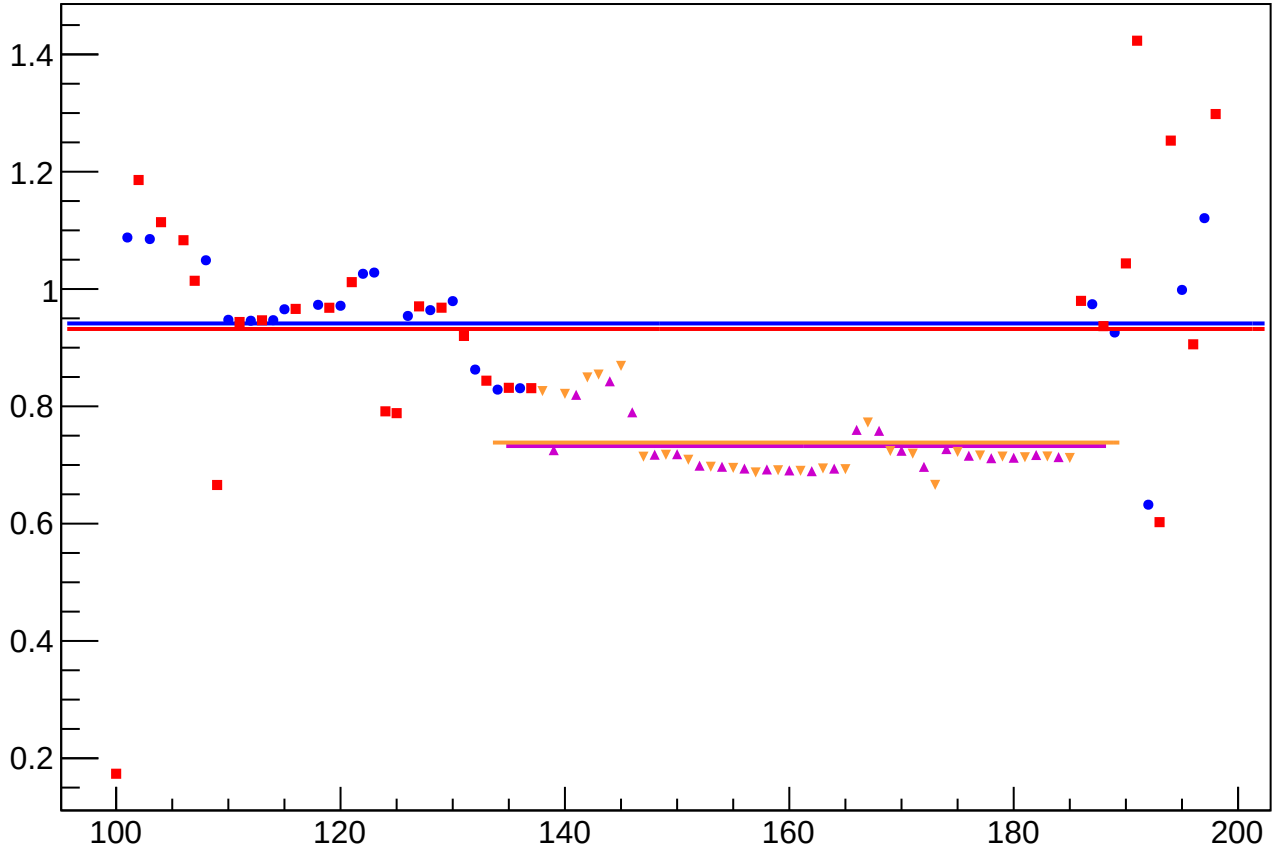
Right: 0.023+/-0.000 χ^2/NDF: 8276173.5/48

In: 0.014+/-0.000 χ^2/NDF:7476778.1/44

Out: 0.015+/-0.000 χ^2/NDF:9839583.9/51

All: 0.014+/-0.000 χ^2/NDF: 17337645.8/96

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.941+/-0.000 χ^2/NDF: 312988195.1/21

Left Out: 0.738+/-0.000 χ^2/NDF:310610047.7/24

Right Out: 0.932+/-0.000 χ^2/NDF: 729818250.2/26

Left In: 0.732+/-0.000 χ^2/NDF:170806298.1/22

Left: 0.735+/-0.000 χ^2/NDF: 482865670.9/47

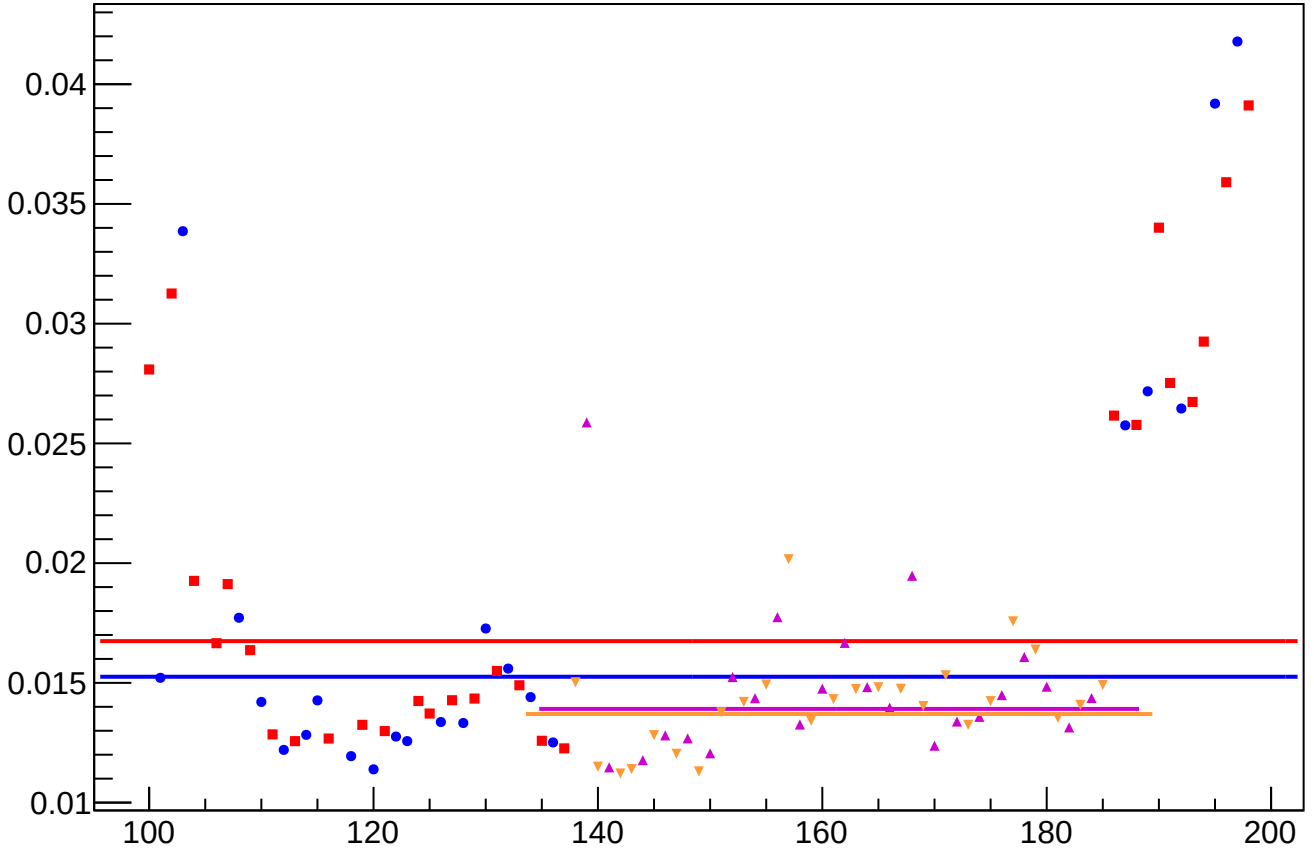
Right: 0.936+/-0.000 χ^2/NDF: 1044310645.5/48

In: 0.793+/-0.000 χ^2/NDF:1509969032.3/44

Out: 0.794+/-0.000 χ^2/NDF:1968142010.2/51

All: 0.794+/-0.000 χ^2/NDF: 3478113461.4/96

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2314745.0/21

Left Out: 0.014+/-0.000 χ^2/NDF:530851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 2780079.7/26

Left In: 0.014+/-0.000 χ^2/NDF:794558.0/22

Left: 0.014+/-0.000 χ^2/NDF: 1329255.3/47

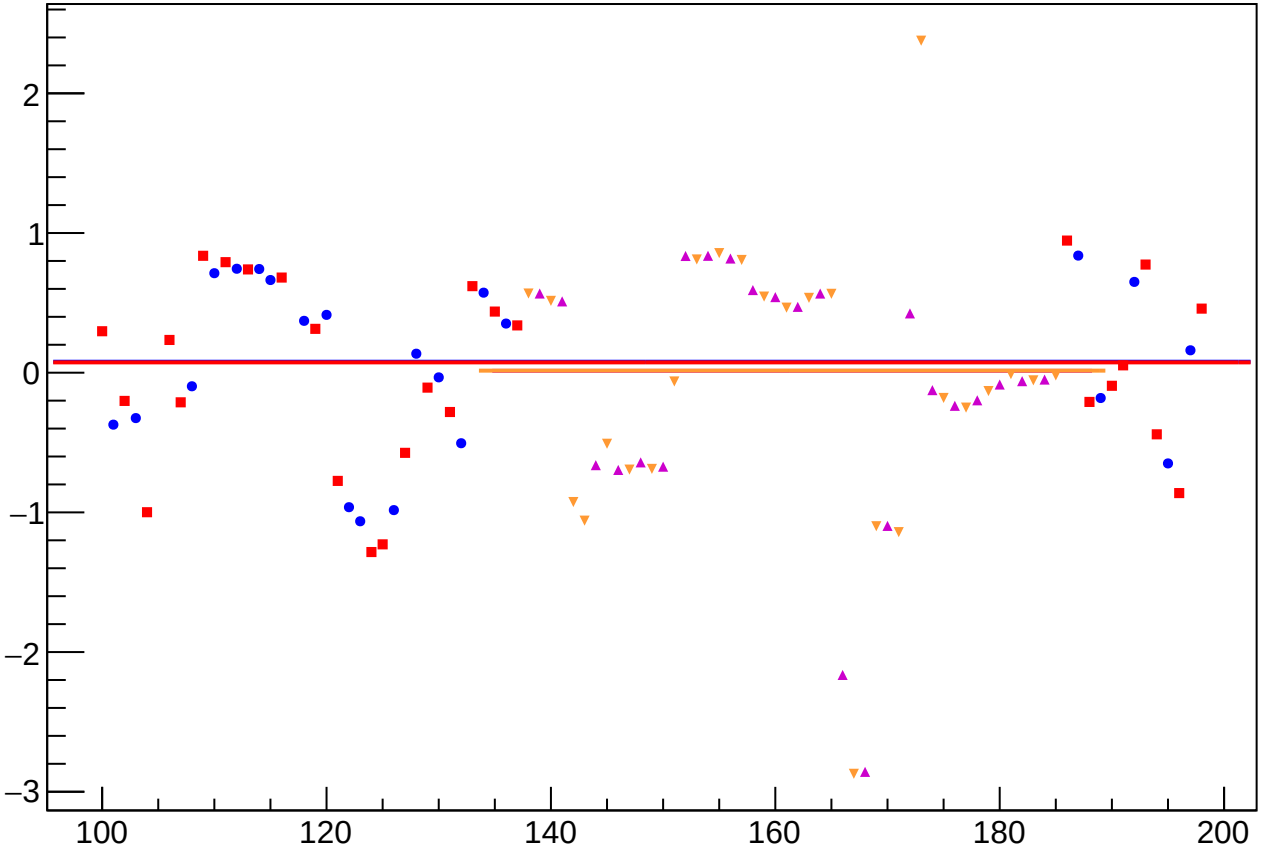
Right: 0.016+/-0.000 χ^2/NDF: 5169874.2/48

In: 0.014+/-0.000 χ^2/NDF:3194063.6/44

Out: 0.015+/-0.000 χ^2/NDF:3769788.5/51

All: 0.014+/-0.000 χ^2/NDF: 6972006.1/96

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 12218790175.0/21

Left Out: 0.015+/-0.000 χ^2/NDF:96087835995.8/24

Right Out: 0.074+/-0.000 χ^2/NDF: 23591235669.3/26

Left In: 0.013+/-0.000 χ^2/NDF:79445696658.6/22

Left: 0.014+/-0.000 χ^2/NDF: 175533691121.4/47

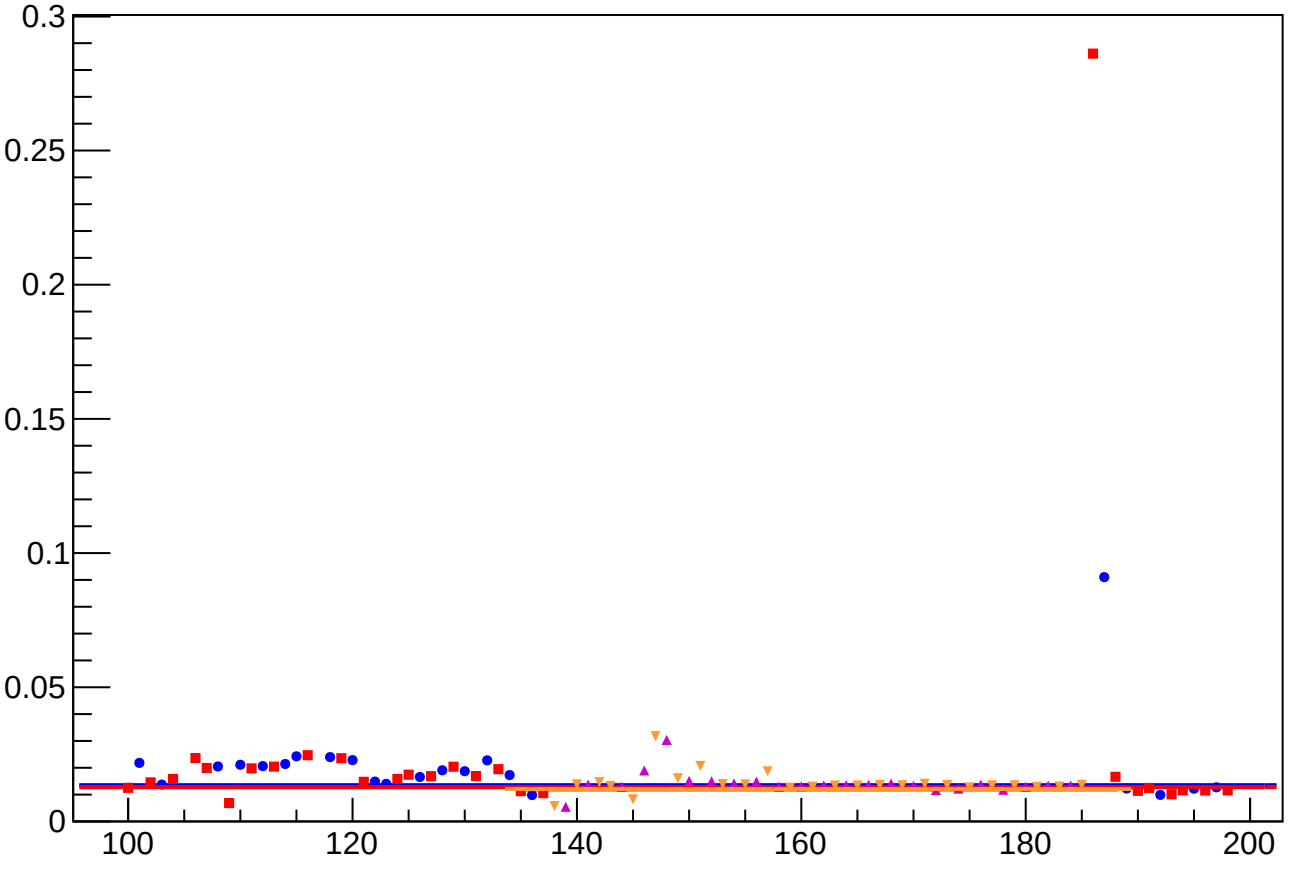
Right: 0.076+/-0.000 χ^2/NDF: 35810565548.3/48

In: 0.032+/-0.000 χ^2/NDF:91797227370.9/44

Out: 0.035+/-0.000 χ^2/NDF:119813160574.3/51

All: 0.034+/-0.000 χ^2/NDF: 211611297980.2

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1776797.4/21

Left Out: 0.012+/-0.000 χ^2/NDF:3107648.9/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2500919.5/26

Left In: 0.012+/-0.000 χ^2/NDF:3105948.8/22

Left: 0.012+/-0.000 χ^2/NDF: 6217411.2/47

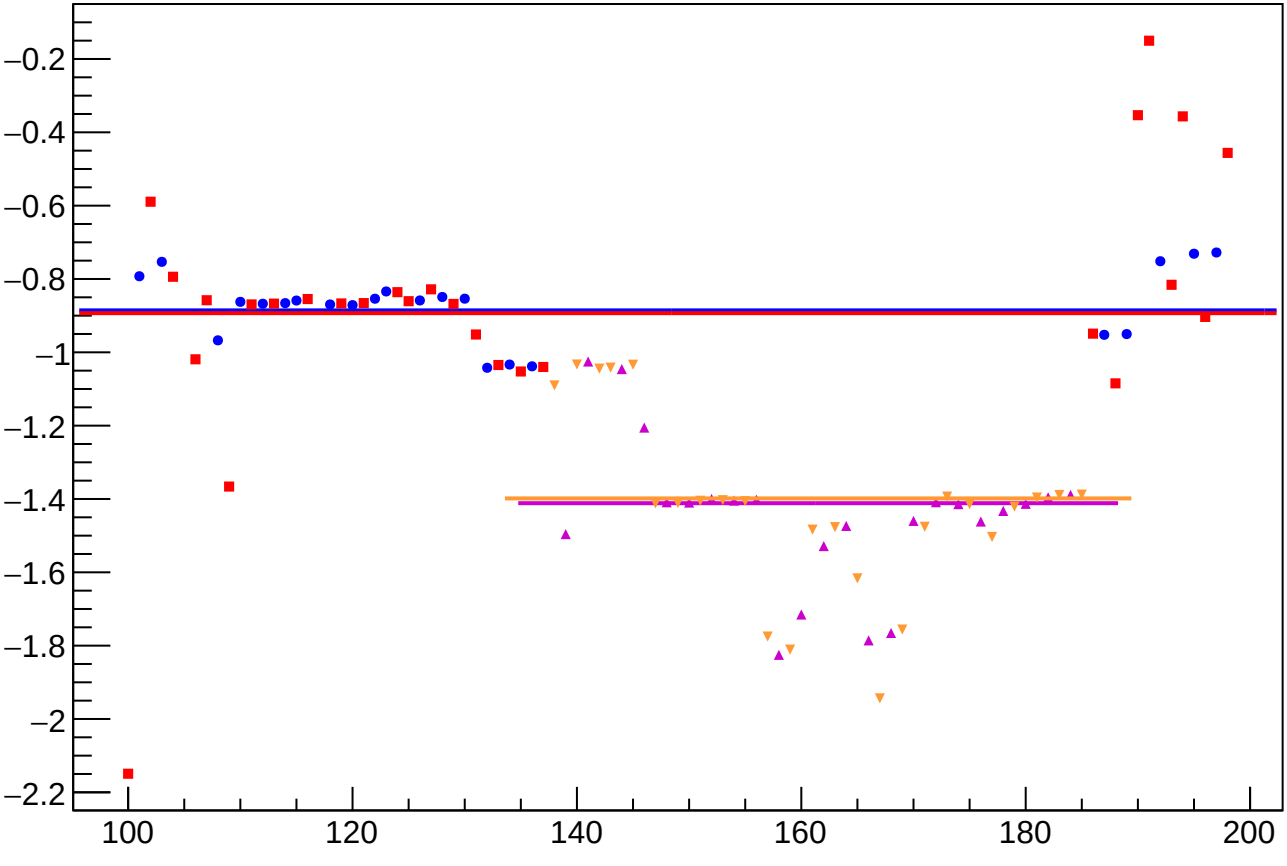
Right: 0.013+/-0.000 χ^2/NDF: 4305297.4/48

In: 0.012+/-0.000 χ^2/NDF:5041532.0/44

Out: 0.012+/-0.000 χ^2/NDF:5643211.3/51

All: 0.012+/-0.000 χ^2/NDF: 10685024.5/96

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.886+/-0.000 χ^2/NDF: 47872135.0/21

Left Out: -1.398+/-0.000 χ^2/NDF:734579404.3/24

Right Out: -0.893+/-0.000 χ^2/NDF: 258580118.7/26

Left In: -1.412+/-0.000 χ^2/NDF:512629872.4/22

Left: -1.405+/-0.000 χ^2/NDF: 1248268857.1/47

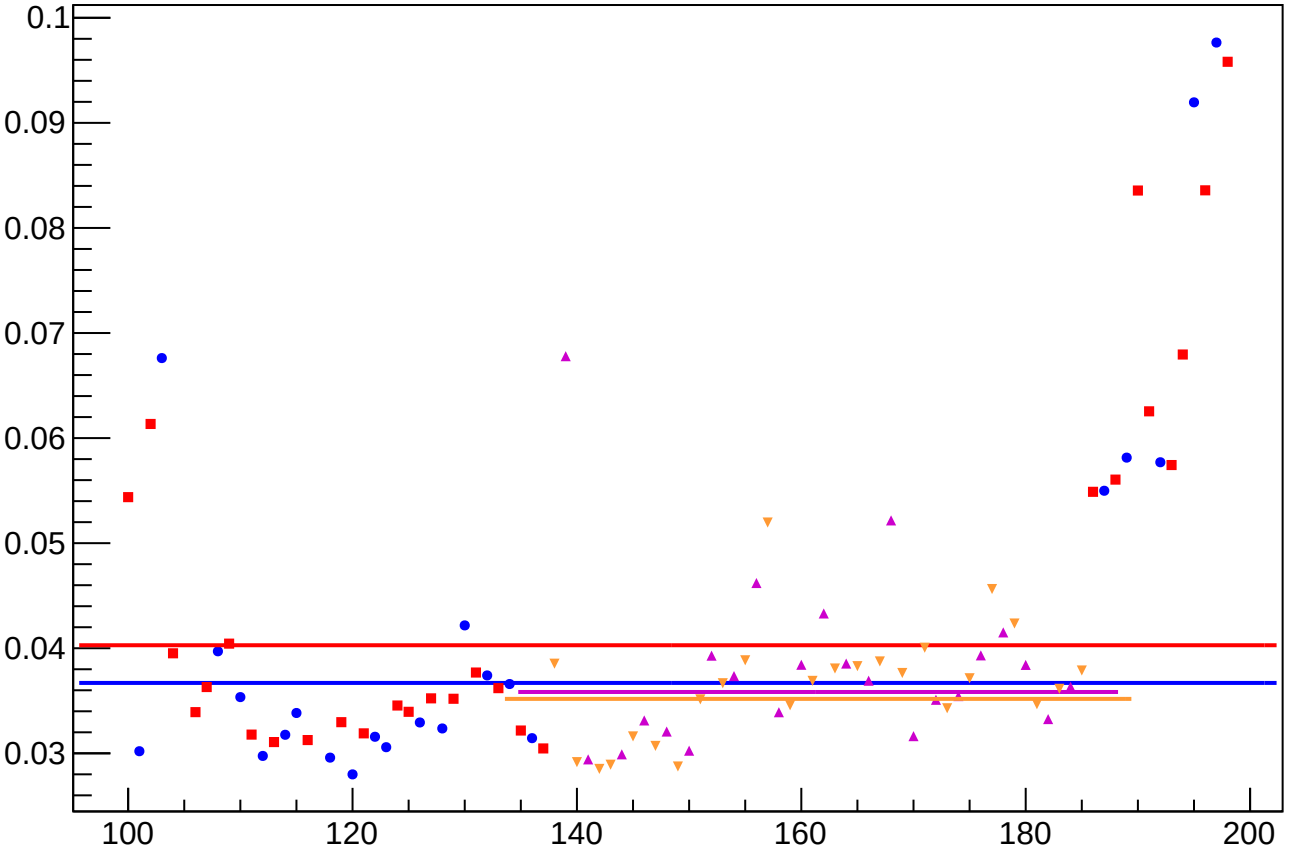
Right: -0.890+/-0.000 χ^2/NDF: 306621711.1/48

In: -1.239+/-0.000 χ^2/NDF:1647259980.0/44

Out: -1.237+/-0.000 χ^2/NDF:2053711276.8/51

All: -1.238+/-0.000 χ^2/NDF: 3701013220.2/9

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.037+/-0.000 χ^2/NDF: 1989953.6/21

Left Out: 0.035+/-0.000 χ^2/NDF:597886.0/24

Right Out: 0.040+/-0.000 χ^2/NDF: 2288902.0/26

Left In: 0.036+/-0.000 χ^2/NDF:890993.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1494255.9/47

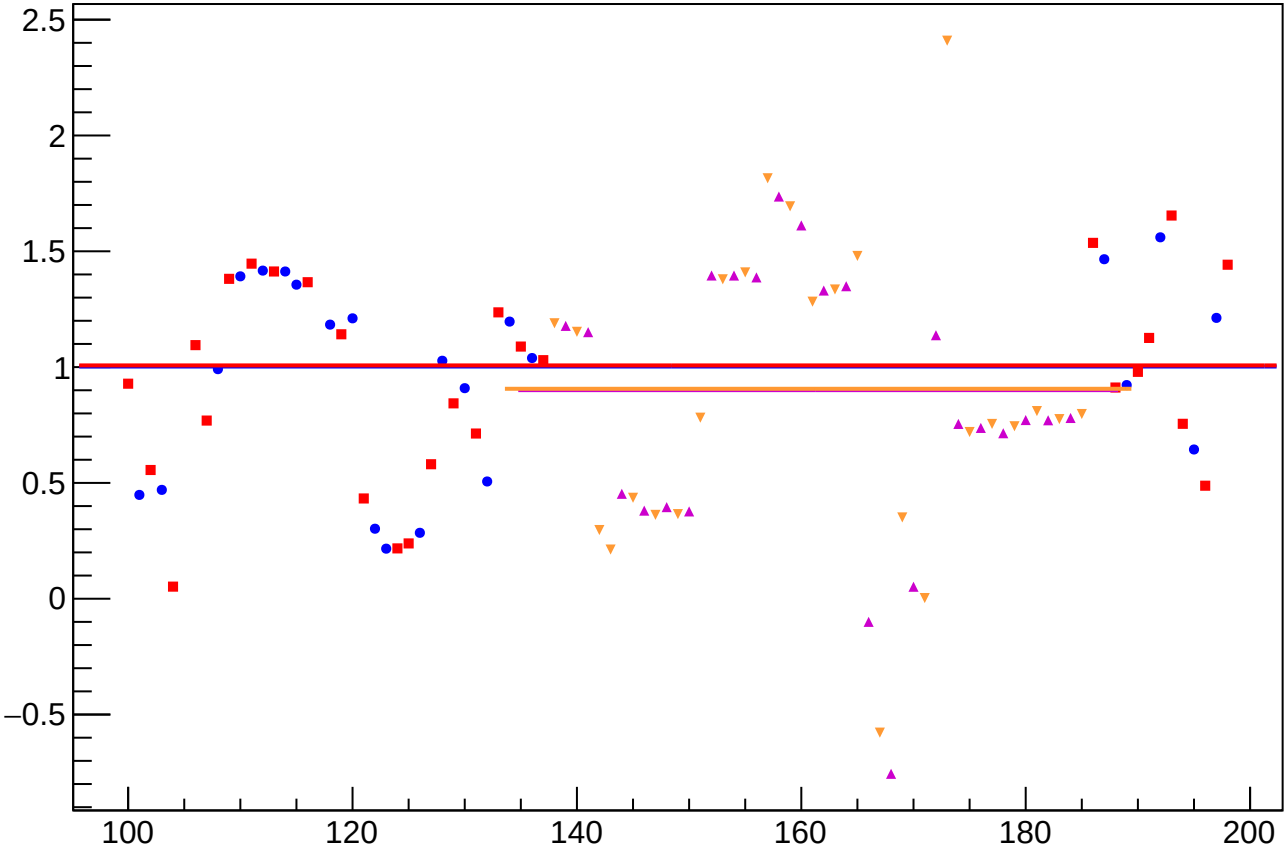
Right: 0.039+/-0.000 χ^2/NDF: 4355733.0/48

In: 0.036+/-0.000 χ^2/NDF:2886790.8/44

Out: 0.037+/-0.000 χ^2/NDF:3103374.3/51

All: 0.036+/-0.000 χ^2/NDF: 5999033.6/96

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.003+/-0.000 χ^2/NDF: 14324928270.7/21

Left Out: 0.906+/-0.000 χ^2/NDF:84108410196.2/24

Right Out: 1.007+/-0.000 χ^2/NDF: 21540026725.3/26

Left In: 0.901+/-0.000 χ^2/NDF:66932223067.8/22

Left: 0.904+/-0.000 χ^2/NDF: 151044220035.9/47

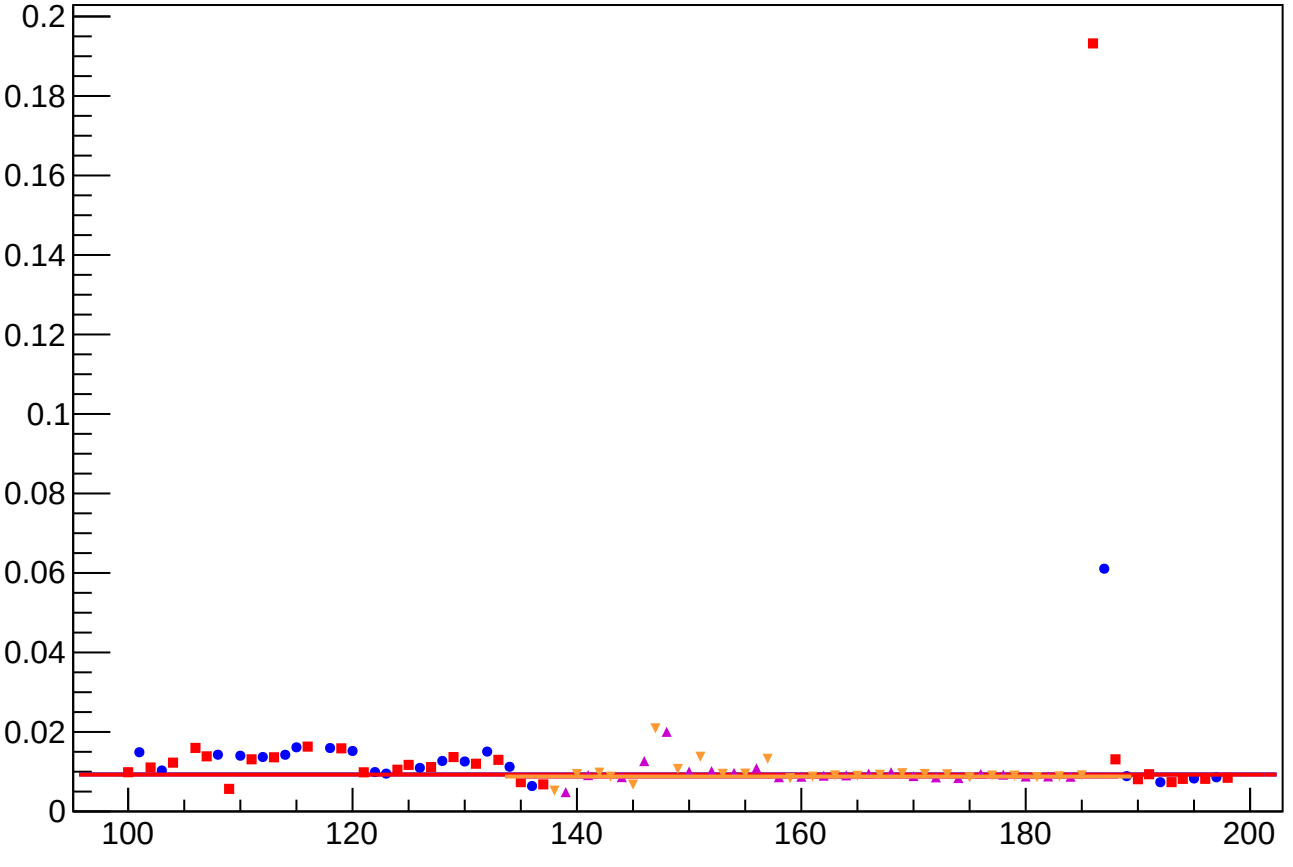
Right: 1.005+/-0.000 χ^2/NDF: 35866120343.1/48

In: 0.932+/-0.000 χ^2/NDF:81926865052.8/44

Out: 0.941+/-0.000 χ^2/NDF:106418521156.9/51

All: 0.937+/-0.000 χ^2/NDF: 188358362866.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1665955.4/21

Left Out: 0.009+/-0.000 χ^2/NDF:1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2170539.5/26

Left In: 0.009+/-0.000 χ^2/NDF:1669983.7/22

Left: 0.009+/-0.000 χ^2/NDF: 3369008.8/47

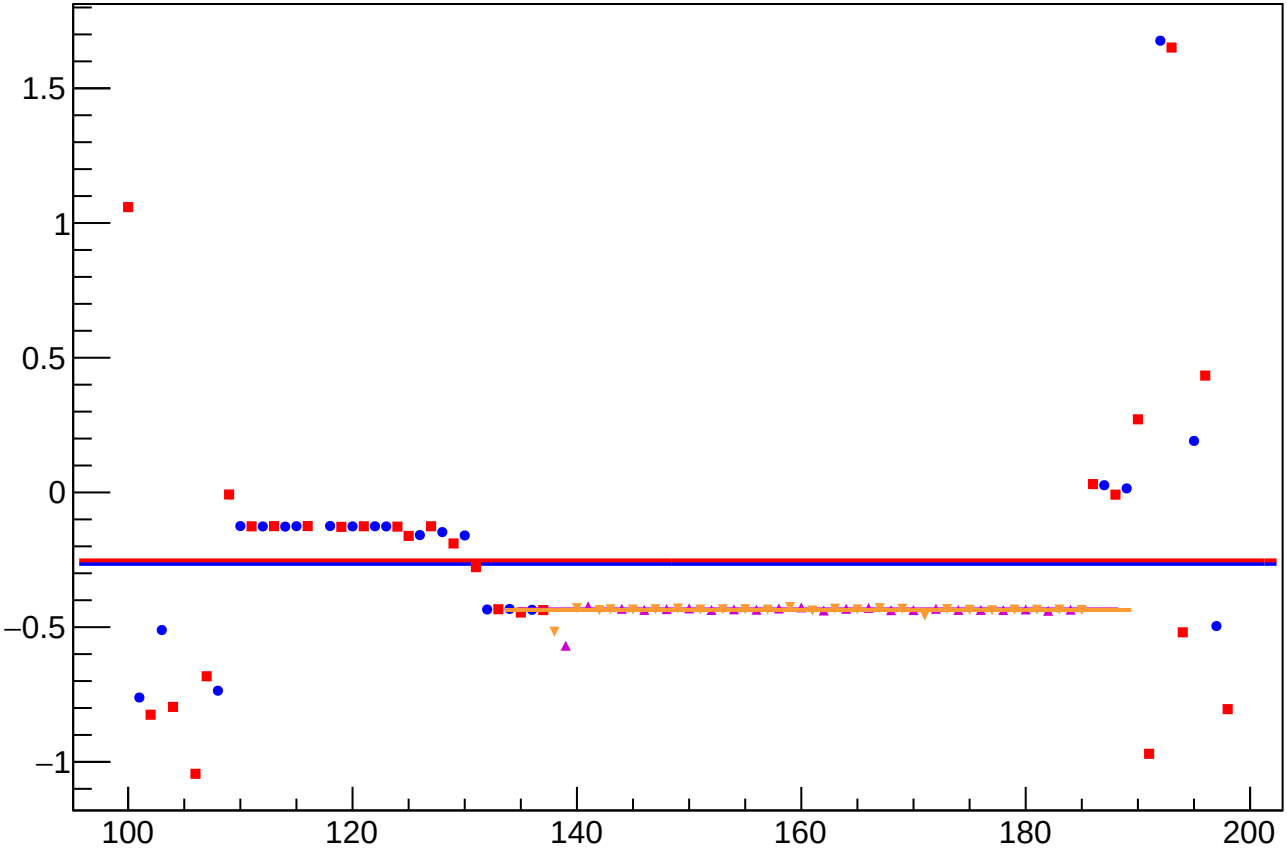
Right: 0.009+/-0.000 χ^2/NDF: 3836756.5/48

In: 0.009+/-0.000 χ^2/NDF:3379867.0/44

Out: 0.009+/-0.000 χ^2/NDF:3904673.2/51

All: 0.009+/-0.000 χ^2/NDF: 7284927.5/96

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.265+/-0.000 χ^2/NDF: 1890691099.8/21

Left Out: -0.436+/-0.000 χ^2/NDF:28776503.9/24

Right Out: -0.252+/-0.000 χ^2/NDF: 1880612995.1/26

Left In: -0.434+/-0.000 χ^2/NDF:20164730.3/22

Left: -0.435+/-0.000 χ^2/NDF: 49321098.5/47

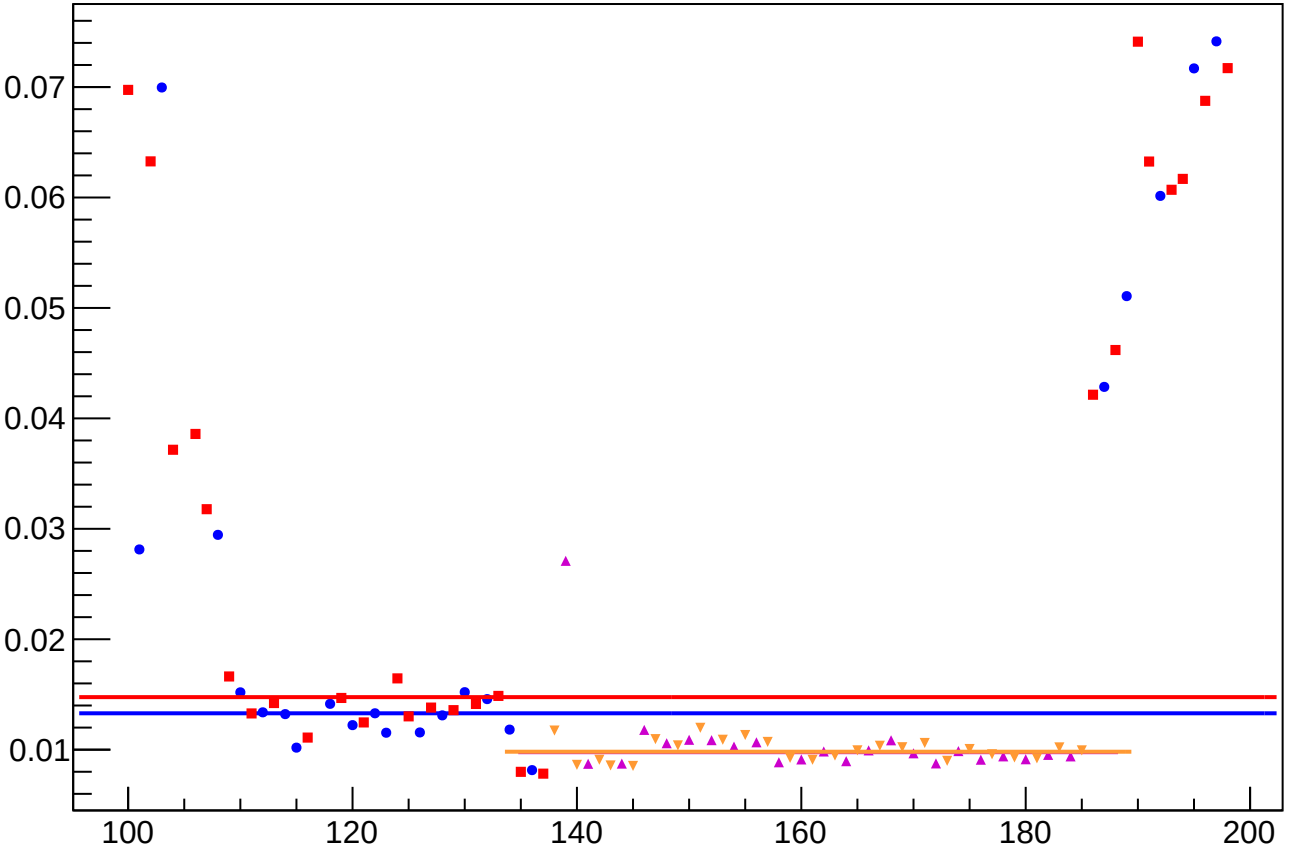
Right: -0.259+/-0.000 χ^2/NDF: 3773876355.6/48

In: -0.405+/-0.000 χ^2/NDF:2672786901.9/44

Out: -0.407+/-0.000 χ^2/NDF:2795120462.8/51

All: -0.406+/-0.000 χ^2/NDF: 5468276949.9/9

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 5458411.4/21

Left Out: 0.010+/-0.000 χ^2/NDF:271172.3/24

Right Out: 0.015+/-0.000 χ^2/NDF: 7669262.6/26

Left In: 0.010+/-0.000 χ^2/NDF:786577.8/22

Left: 0.010+/-0.000 χ^2/NDF: 1058038.1/47

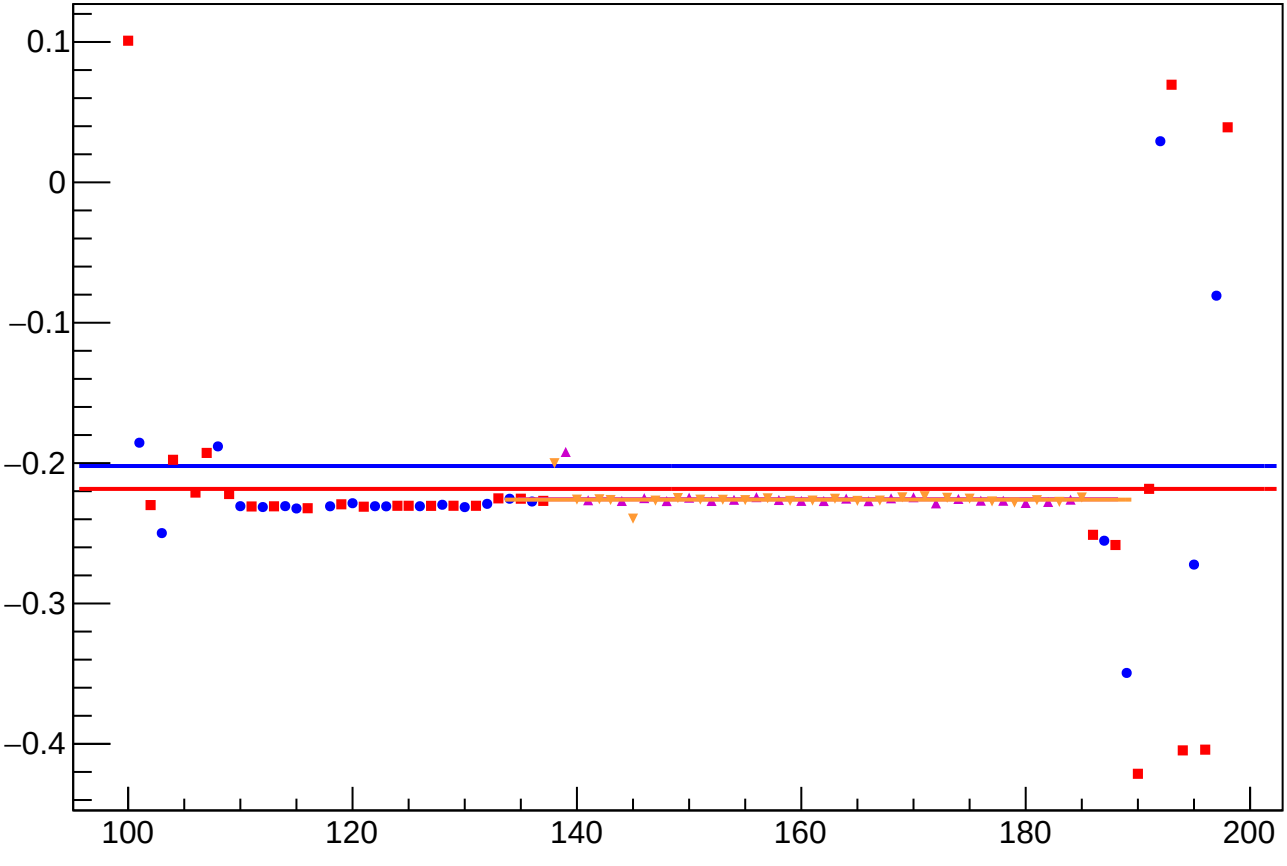
Right: 0.014+/-0.000 χ^2/NDF: 13195640.1/48

In: 0.010+/-0.000 χ^2/NDF:6906345.0/44

Out: 0.011+/-0.000 χ^2/NDF:9219034.6/51

All: 0.011+/-0.000 χ^2/NDF: 16135062.7/96

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.202+/-0.000 χ^2/NDF: 2259141895.0/21

Left Out: -0.226+/-0.000 χ^2/NDF:21207366.3/24

Right Out: -0.218+/-0.000 χ^2/NDF: 5464306540.0/26

Left In: -0.226+/-0.000 χ^2/NDF:13717302.5/22

Left: -0.226+/-0.000 χ^2/NDF: 34951372.2/47

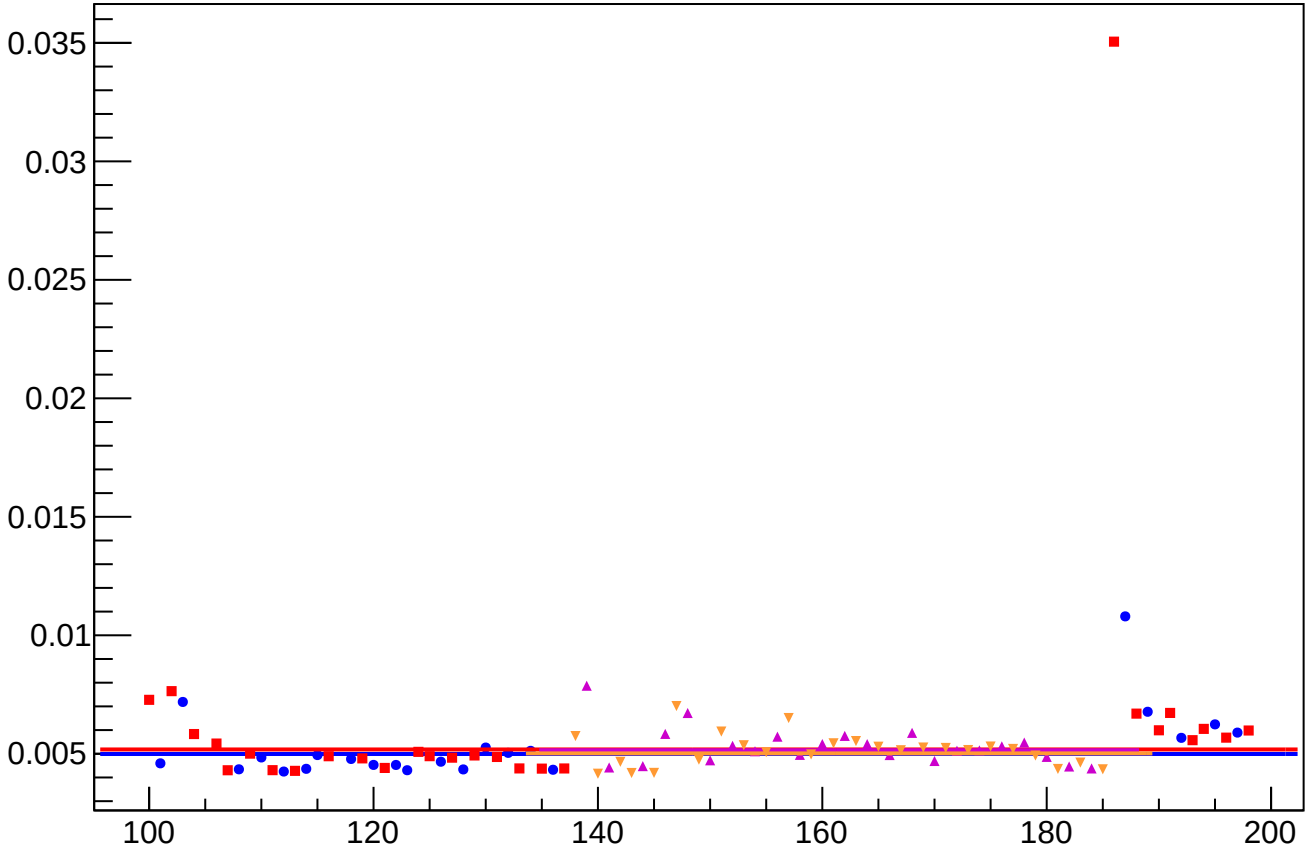
Right: -0.211+/-0.000 χ^2/NDF: 7773099377.3/48

In: -0.217+/-0.000 χ^2/NDF:2397931164.8/44

Out: -0.223+/-0.000 χ^2/NDF:5500262354.9/51

All: -0.220+/-0.000 χ^2/NDF: 7916732978.9/9

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 490177.8/21

Left Out: 0.005+/-0.000 χ^2/NDF:532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1054136.7/26

Left In: 0.005+/-0.000 χ^2/NDF:504040.6/22

Left: 0.005+/-0.000 χ^2/NDF: 1048260.0/47

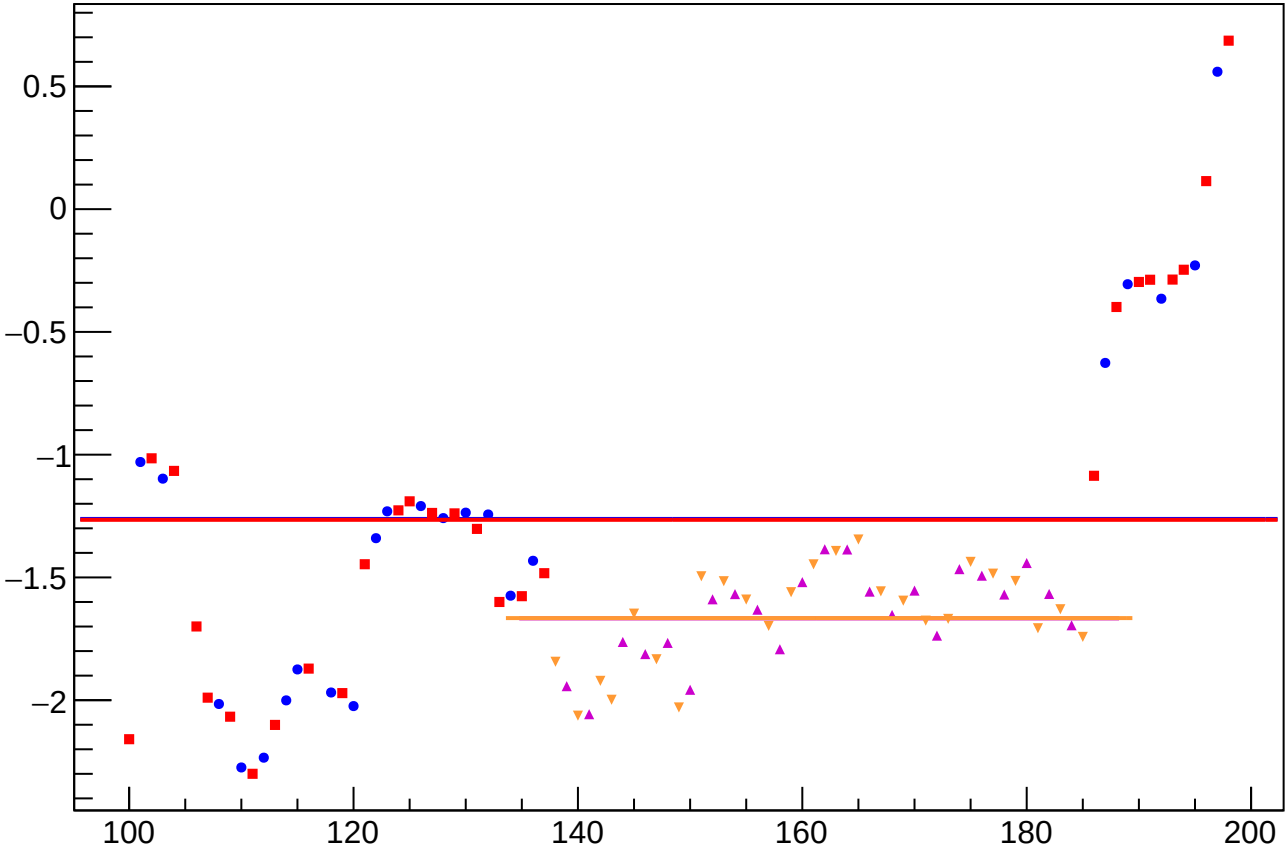
Right: 0.005+/-0.000 χ^2/NDF: 1558031.4/48

In: 0.005+/-0.000 χ^2/NDF:1005515.3/44

Out: 0.005+/-0.000 χ^2/NDF:1600724.5/51

All: 0.005+/-0.000 χ^2/NDF: 2606465.3/96

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.262+/-0.000 χ^2/NDF: 70653127885.2/21

Left Out: -1.666+/-0.000 χ^2/NDF:18368038680.8/24

Right Out: -1.265+/-0.000 χ^2/NDF: 119687578286.8/26

Left In: -1.667+/-0.000 χ^2/NDF:14615453869.3/22

Left: -1.666+/-0.000 χ^2/NDF: 32983827631.4/47

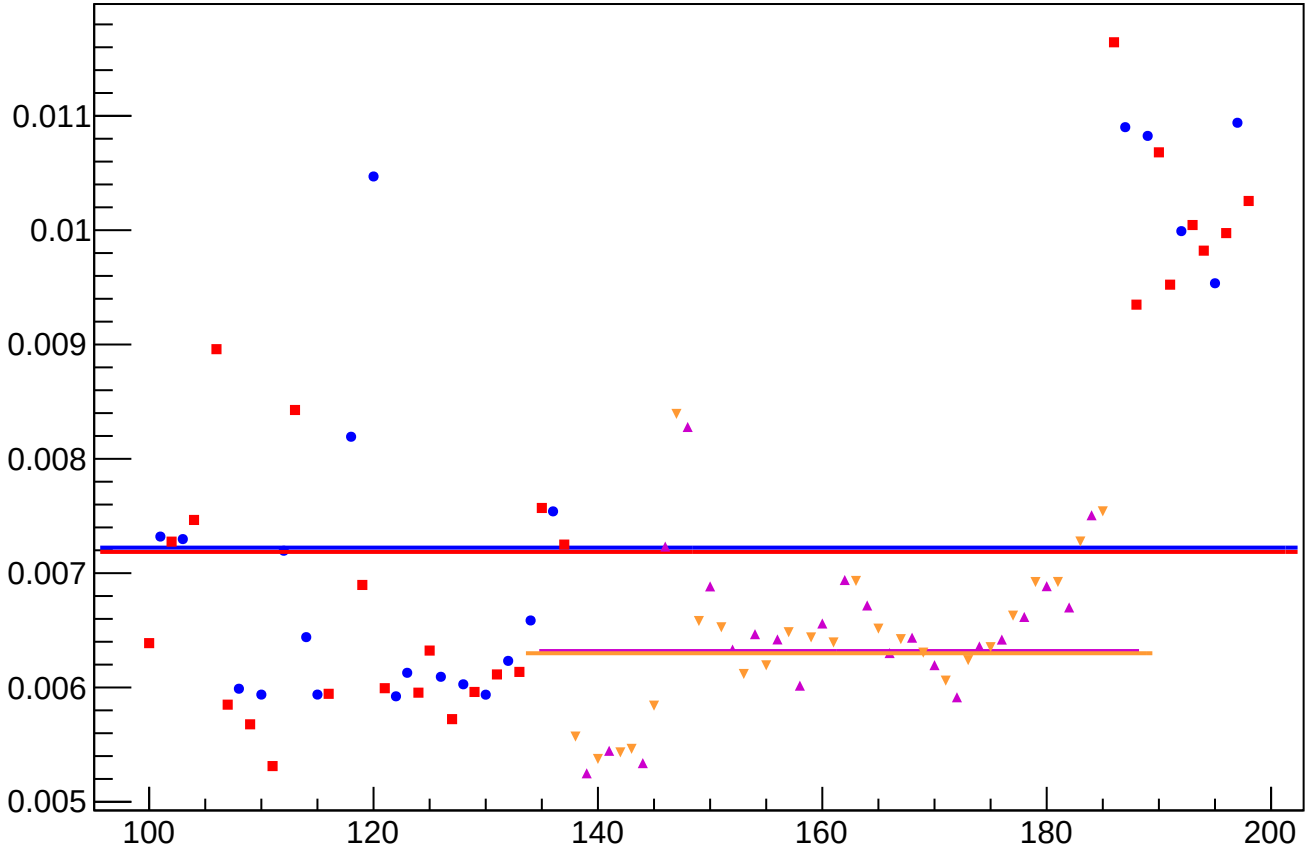
Right: -1.264+/-0.000 χ^2/NDF: 190341868342.6/48

In: -1.551+/-0.000 χ^2/NDF:104767997411.9/44

Out: -1.536+/-0.000 χ^2/NDF:161041871075.7/51

All: -1.543+/-0.000 χ^2/NDF: 265878294174.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 823580.4/21

Left Out: 0.006+/-0.000 χ^2/NDF:312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1253257.9/26

Left In: 0.006+/-0.000 χ^2/NDF:334332.4/22

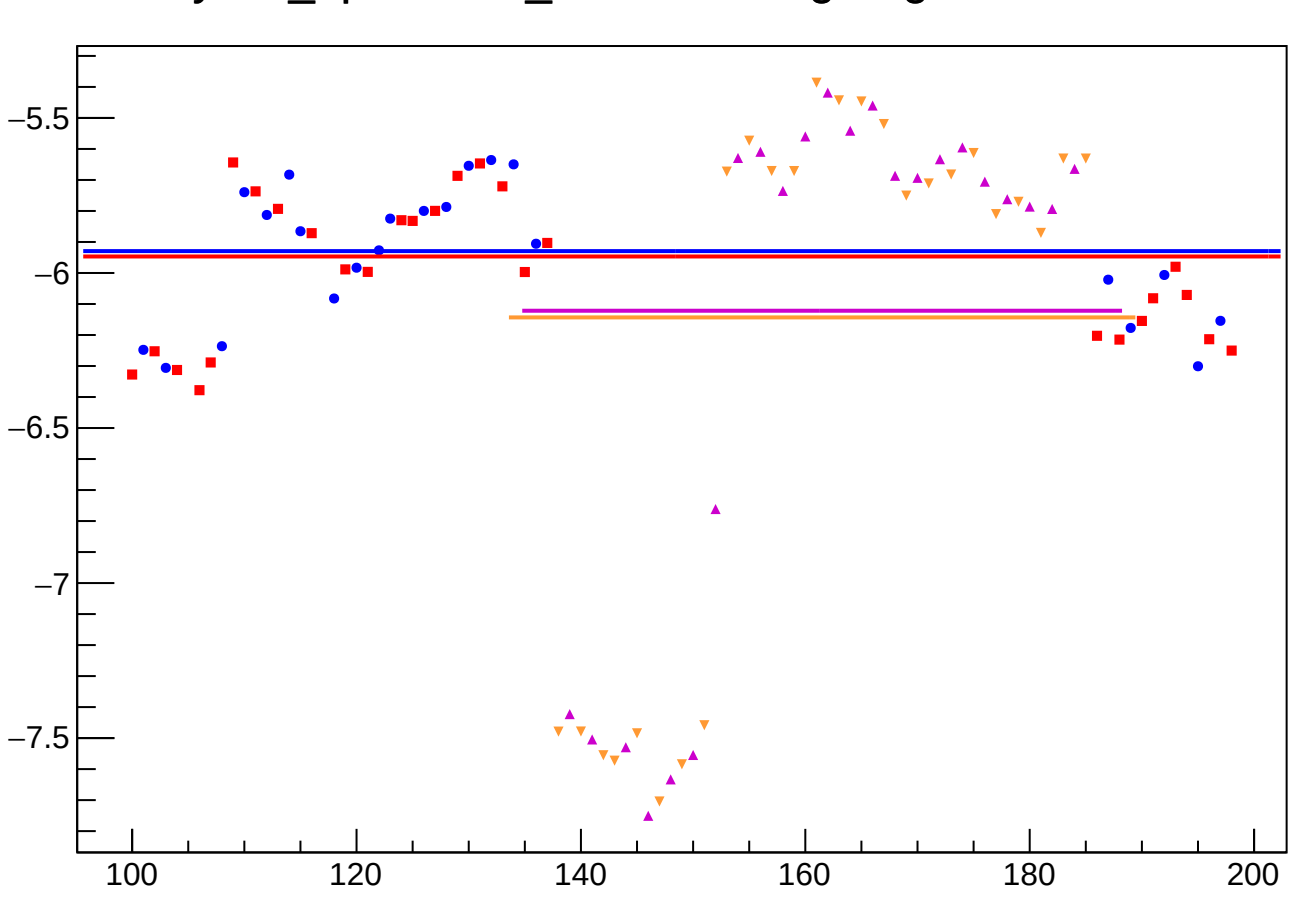
Left: 0.006+/-0.000 χ^2/NDF: 647302.7/47

Right: 0.007+/-0.000 χ^2/NDF: 2077102.4/48

In: 0.007+/-0.000 χ^2/NDF:1352372.6/44

Out: 0.007+/-0.000 χ^2/NDF:1791406.4/51

All: 0.007+/-0.000 χ^2/NDF: 3143825.9/96



Right In: -5.929+/-0.000 χ^2/NDF: 12278669346.8/21

Left Out: -6.143+/-0.000 χ^2/NDF:185721259239.3/24

Right Out: -5.947+/-0.000 χ^2/NDF: 14459290070.3/26

Left In: -6.122+/-0.000 χ^2/NDF:159909473006.6/22

Left: -6.133+/-0.000 χ^2/NDF: 345689393988.1/47

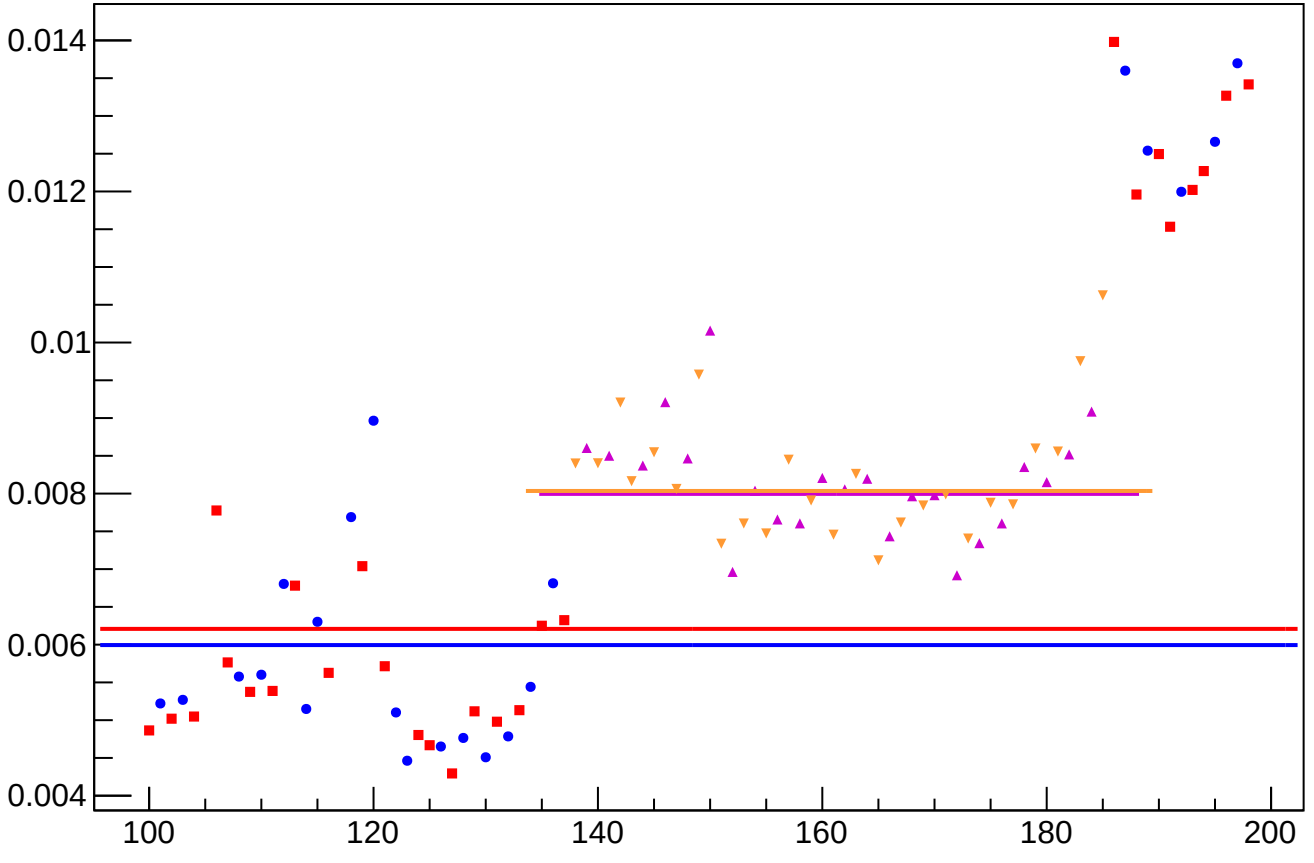
Right: -5.939+/-0.000 χ^2/NDF: 26773277051.3/48

In: -6.032+/-0.000 χ^2/NDF:176503021701.6/44

Out: -6.046+/-0.000 χ^2/NDF:205115719304.2/51

All: -6.039+/-0.000 χ^2/NDF: 381667973475.0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2146469.0/21

Left Out: 0.008+/-0.000 χ^2/NDF:205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3077838.8/26

Left In: 0.008+/-0.000 χ^2/NDF:220203.0/22

Left: 0.008+/-0.000 χ^2/NDF: 426558.9/47

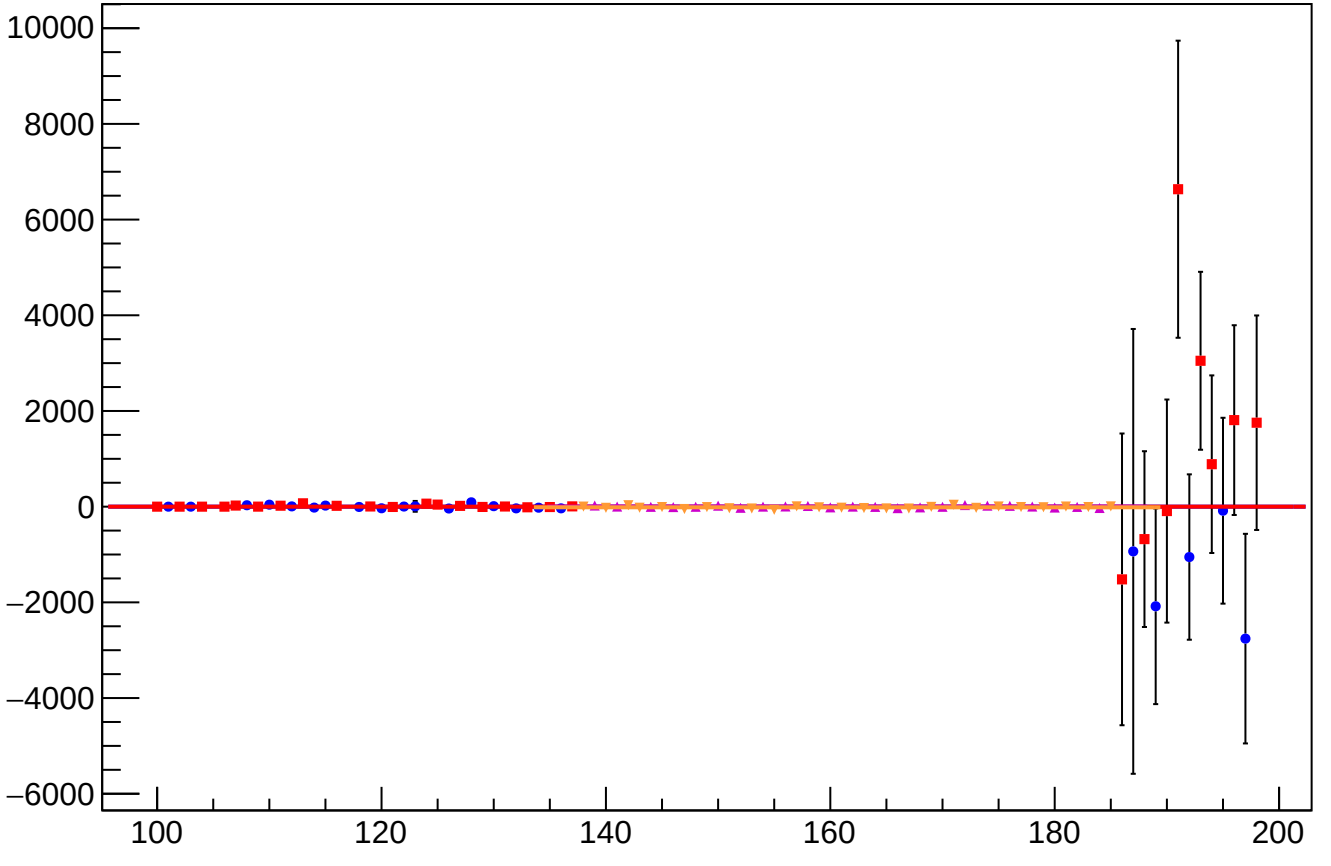
Right: 0.006+/-0.000 χ^2/NDF: 5235126.4/48

In: 0.007+/-0.000 χ^2/NDF:3301602.5/44

Out: 0.007+/-0.000 χ^2/NDF:4136051.0/51

All: 0.007+/-0.000 χ^2/NDF: 7440133.6/96

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.017 χ^2/NDF: 19.3/21

Left Out: -13.472+/-2.796 χ^2/NDF:58.5/24

Right Out: -0.003+/-0.016 χ^2/NDF: 24.3/26

Left In: 0.489+/-2.905 χ^2/NDF:28.7/22

Left: -6.758+/-2.015 χ^2/NDF: 99.2/47

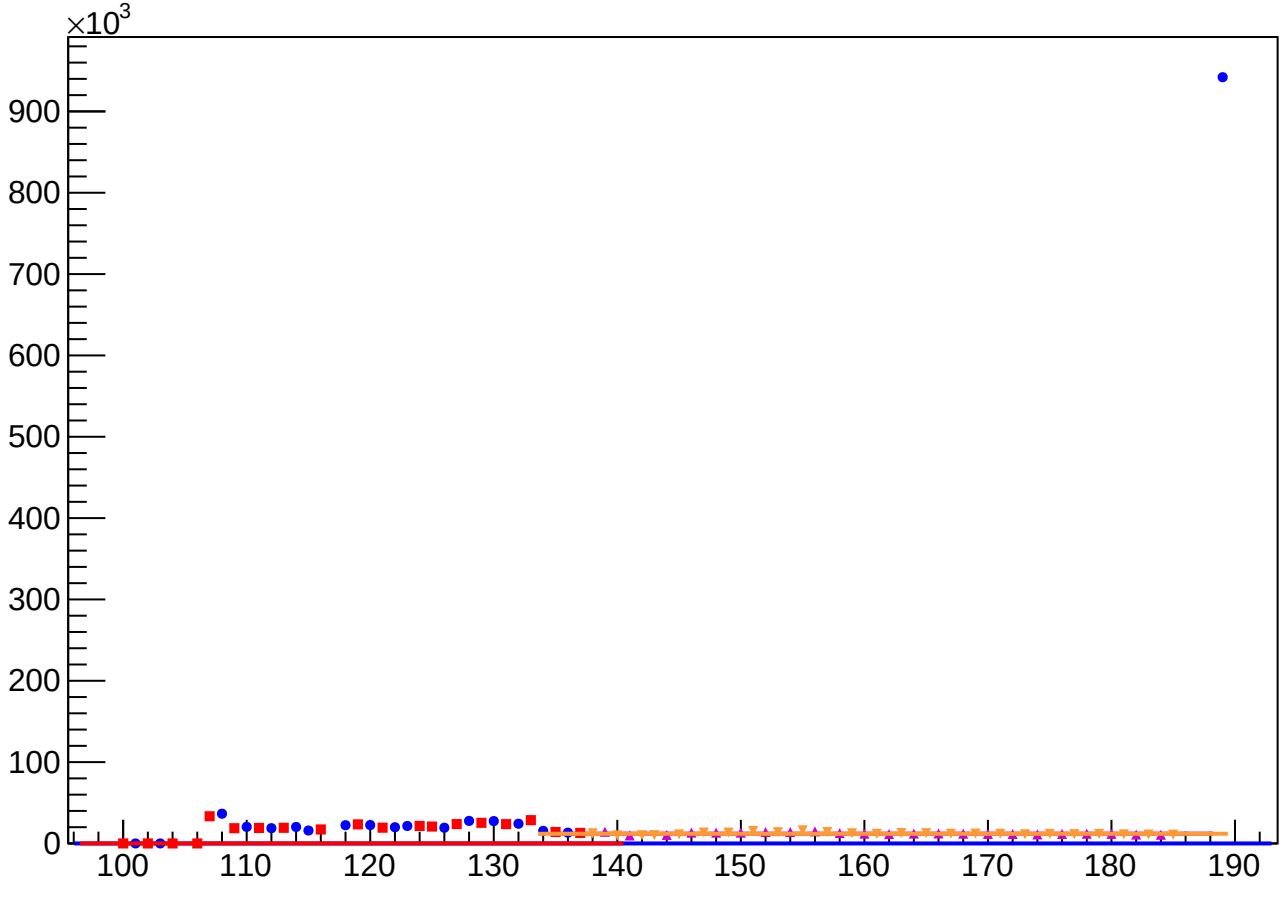
Right: 0.004+/-0.012 χ^2/NDF: 44.0/48

In: 0.013+/-0.017 χ^2/NDF:48.0/44

Out: -0.004+/-0.016 χ^2/NDF:105.9/51

All: 0.004+/-0.012 χ^2/NDF: 154.5/96

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.640+/-0.012 χ^2/NDF: 10982766.4/17

Left Out: 11909.835+/-1.977 χ^2/NDF:475310.2/24

Right Out: 18.311+/-0.011 χ^2/NDF: 11056055.0/18

Left In: 12064.321+/-2.054 χ^2/NDF:372586.0/22

Left: 11984.125+/-1.425 χ^2/NDF: 850831.6/47

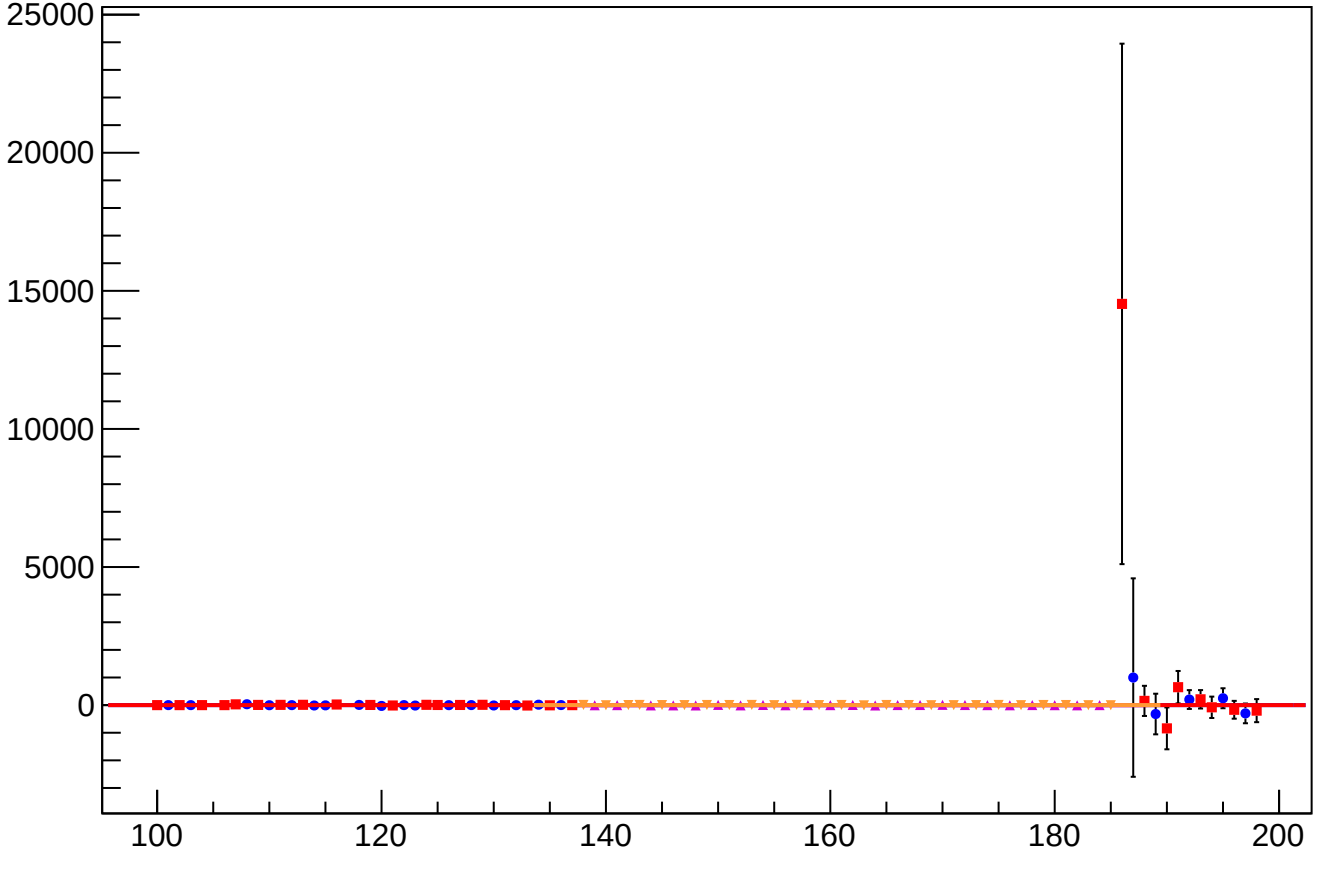
Right: 18.463+/-0.008 χ^2/NDF: 22039209.8/36

In: 19.069+/-0.012 χ^2/NDF:45733258.4/40

Out: 18.704+/-0.011 χ^2/NDF:47698495.9/43

All: 18.873+/-0.008 χ^2/NDF: 93432232.0/84

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 16.4/21

Left Out: 1.675+/-1.021 χ^2/NDF:17.9/24

Right Out: -0.014+/-0.009 χ^2/NDF: 24.5/26

Left In: -0.843+/-1.043 χ^2/NDF:35.7/22

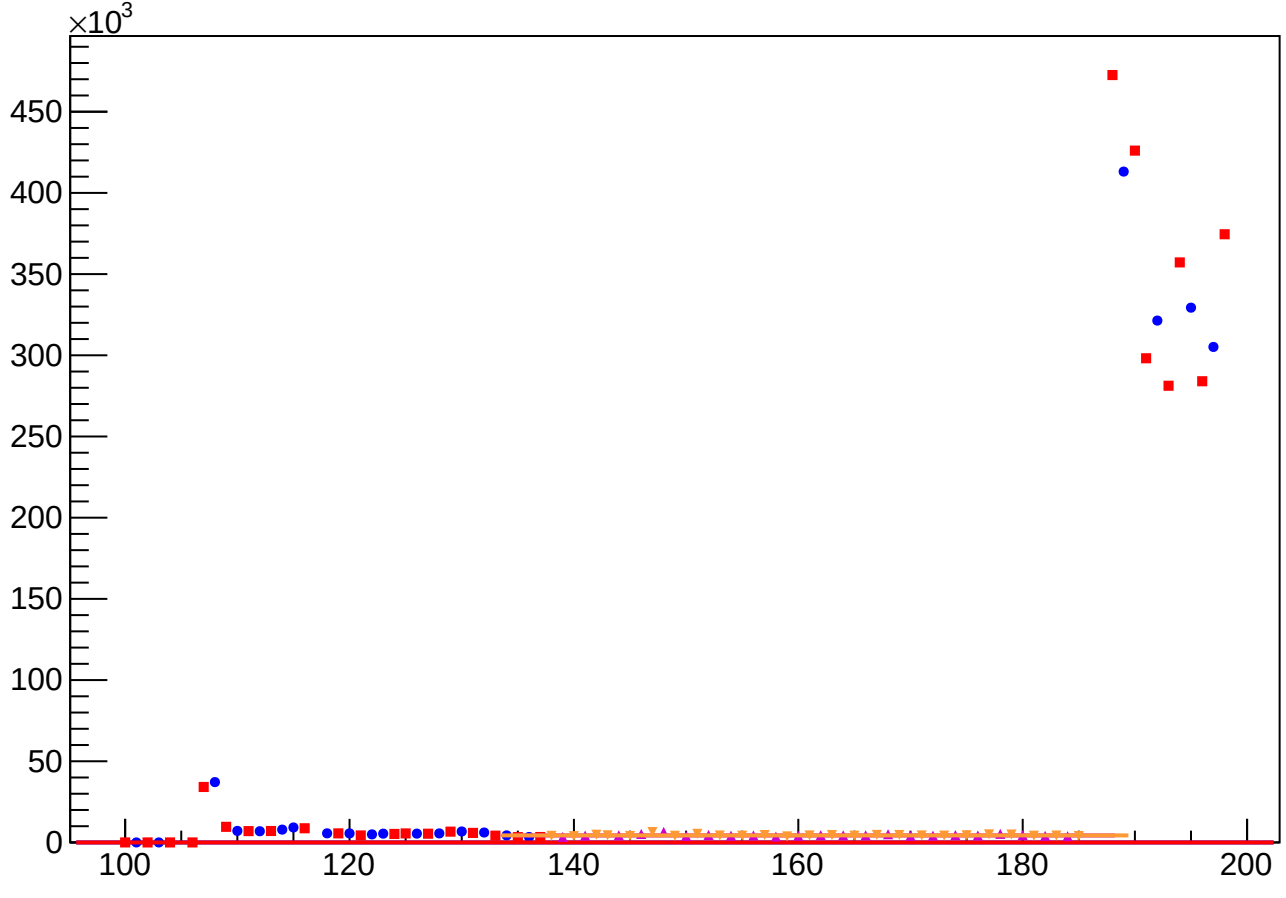
Left: 0.443+/-0.730 χ^2/NDF: 56.5/47

Right: -0.007+/-0.006 χ^2/NDF: 42.3/48

In: 0.001+/-0.009 χ^2/NDF:52.7/44

Out: -0.014+/-0.009 χ^2/NDF:45.1/51

All: -0.007+/-0.006 χ^2/NDF: 99.2/96



Right In: 9.938+/-0.007 χ^2/NDF: 16427657.8/20

Left Out: 4350.545+/-0.722 χ^2/NDF:384749.0/24

Right Out: 9.855+/-0.006 χ^2/NDF: 20008610.6/25

Left In: 4314.568+/-0.738 χ^2/NDF:534594.3/22

Left: 4332.940+/-0.516 χ^2/NDF: 920558.3/47

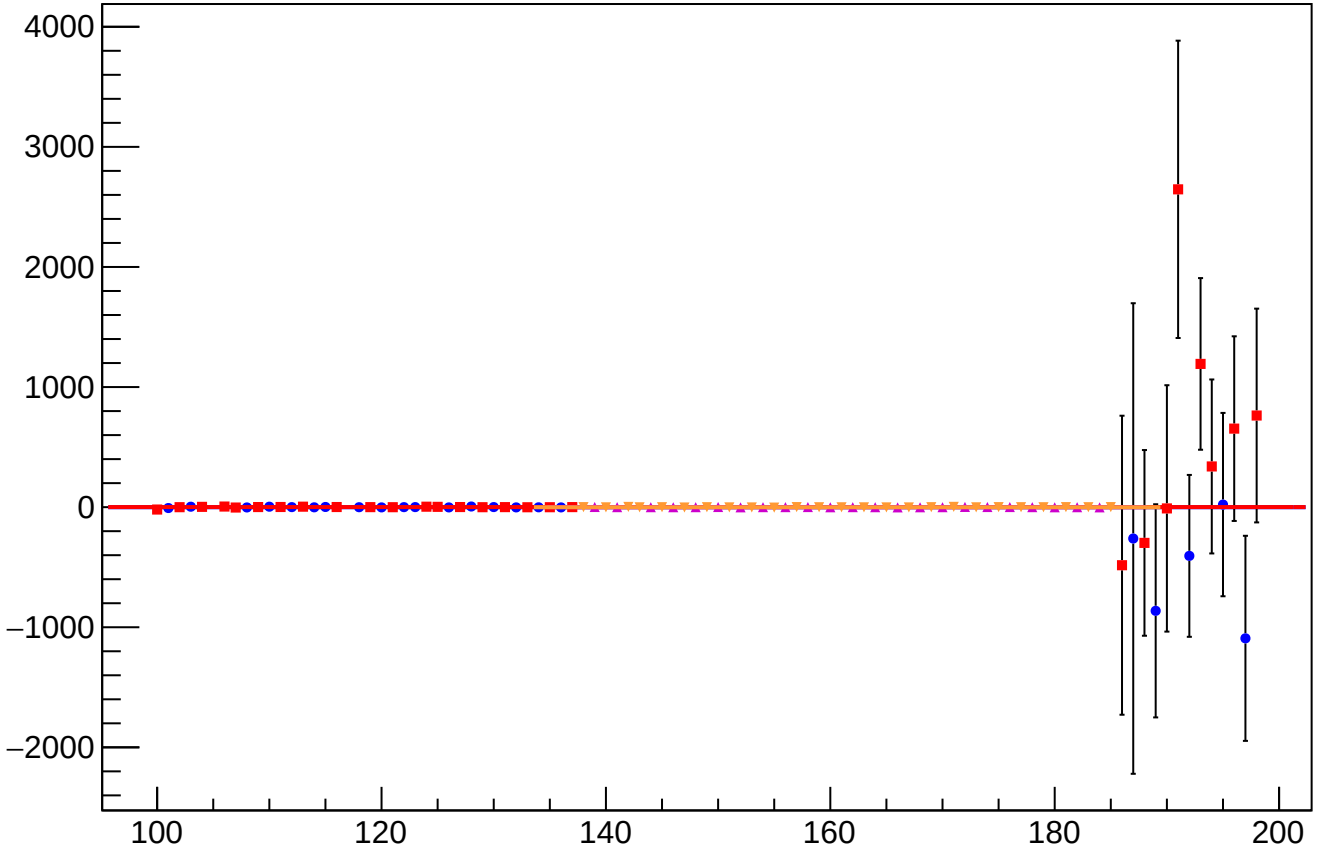
Right: 9.894+/-0.004 χ^2/NDF: 36436355.8/46

In: 10.273+/-0.007 χ^2/NDF:51023679.1/43

Out: 10.166+/-0.006 χ^2/NDF:56538327.5/50

All: 10.217+/-0.004 χ^2/NDF: 107562150.0/94

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.703+/-0.485 χ^2/NDF: 25.5/21

Left Out: -0.774+/-0.164 χ^2/NDF:58.4/24

Right Out: 0.762+/-0.502 χ^2/NDF: 21.1/26

Left In: 0.020+/-0.170 χ^2/NDF:29.2/22

Left: -0.391+/-0.118 χ^2/NDF: 98.9/47

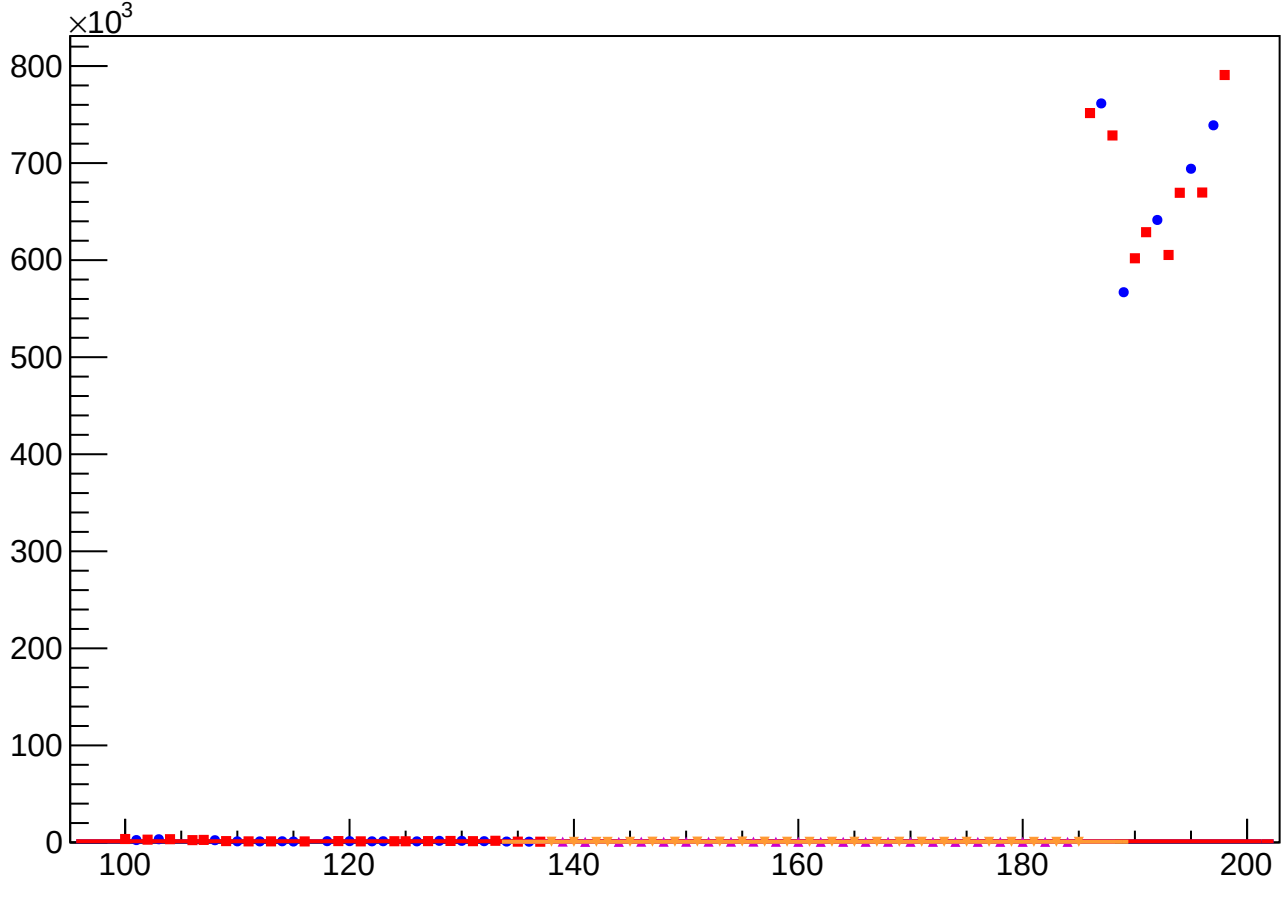
Right: 0.004+/-0.349 χ^2/NDF: 50.9/48

In: -0.059+/-0.161 χ^2/NDF:56.7/44

Out: -0.626+/-0.156 χ^2/NDF:87.9/51

All: -0.350+/-0.112 χ^2/NDF: 151.0/96

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1165.275+/-0.343 χ^2/NDF: 7638308.2/21

Left Out: 700.797+/-0.116 χ^2/NDF:392521.4/24

Right Out: 1251.088+/-0.355 χ^2/NDF: 11466353.9/26

Left In: 706.950+/-0.120 χ^2/NDF:338177.1/22

Left: 703.766+/-0.084 χ^2/NDF: 732052.1/47

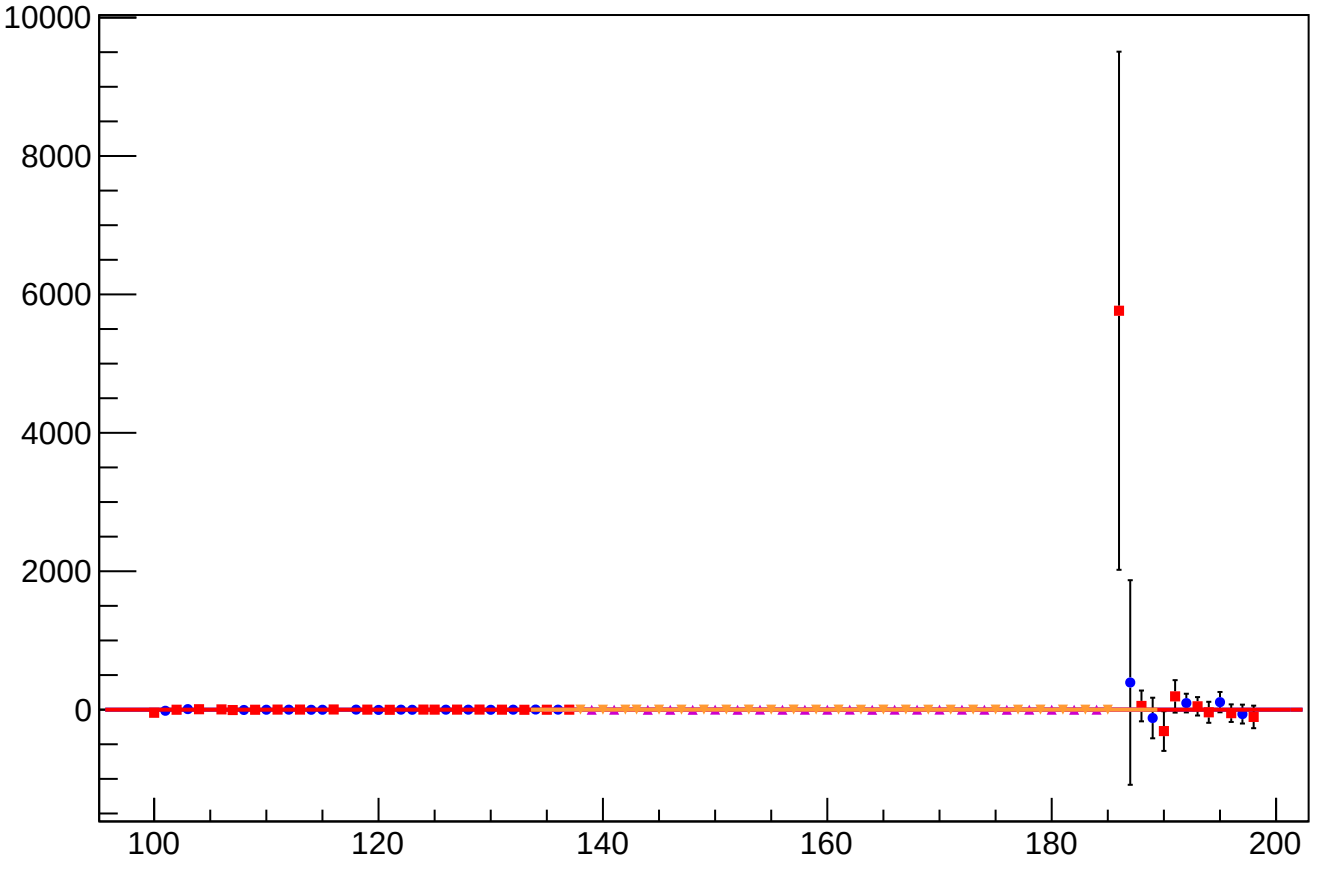
Right: 1206.697+/-0.247 χ^2/NDF: 19134883.3/48

In: 757.161+/-0.114 χ^2/NDF:9566783.6/44

Out: 754.023+/-0.110 χ^2/NDF:14028911.8/51

All: 755.549+/-0.079 χ^2/NDF: 23596088.0/96

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.271 χ^2/NDF: 22.4/21

Left Out: 0.236+/-0.122 χ^2/NDF:17.6/24

Right Out: -0.245+/-0.265 χ^2/NDF: 25.7/26

Left In: -0.115+/-0.125 χ^2/NDF:35.0/22

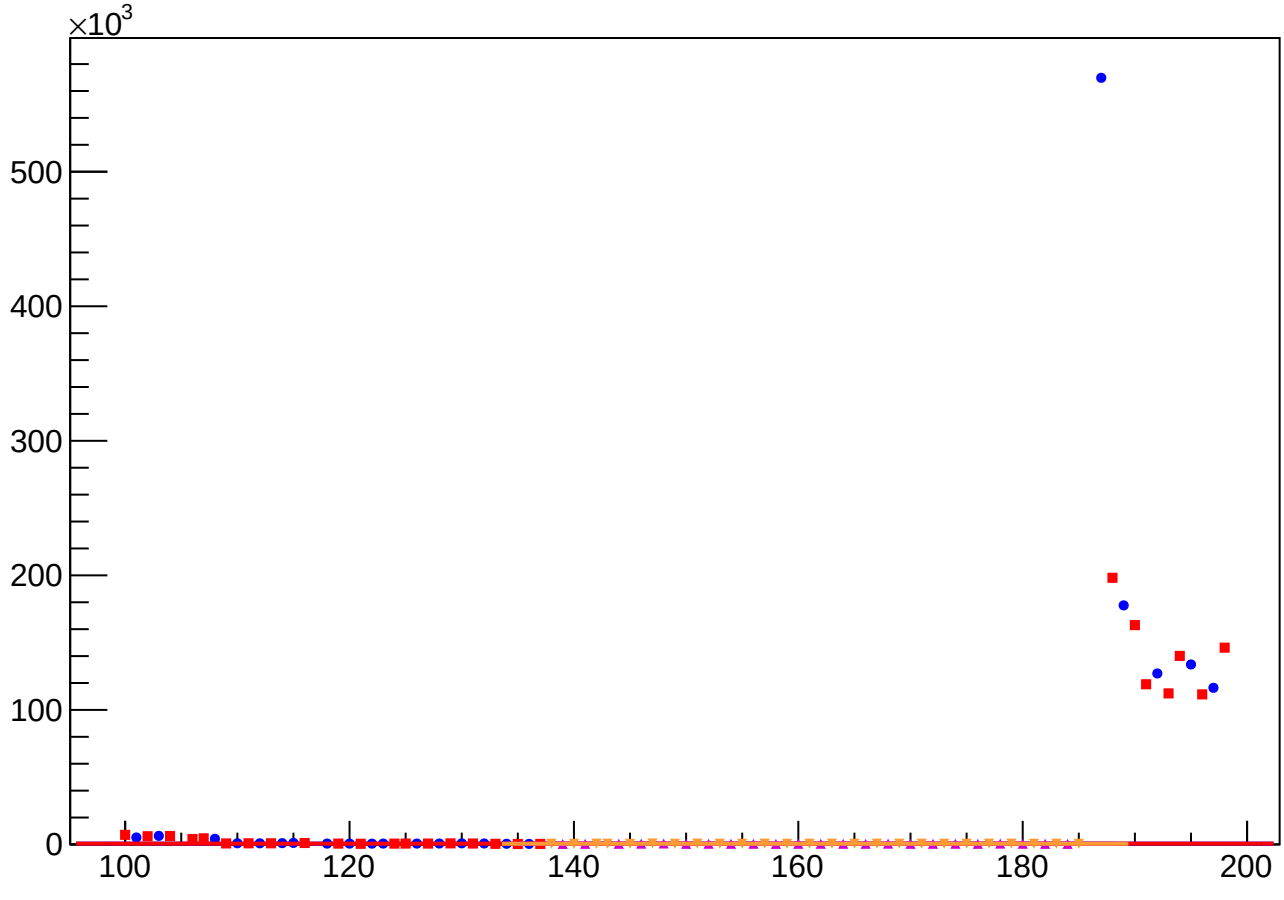
Left: 0.065+/-0.088 χ^2/NDF: 56.6/47

Right: -0.154+/-0.189 χ^2/NDF: 48.4/48

In: -0.105+/-0.114 χ^2/NDF:57.4/44

Out: 0.151+/-0.111 χ^2/NDF:46.0/51

All: 0.026+/-0.080 χ^2/NDF: 106.1/96



Right In: 610.176+/-0.191 χ^2/NDF: 9008177.5/21

Left Out: 522.416+/-0.087 χ^2/NDF:331573.1/24

Right Out: 602.020+/-0.187 χ^2/NDF: 12502699.7/25

Left In: 519.909+/-0.089 χ^2/NDF:444746.3/22

Left: 521.193+/-0.062 χ^2/NDF: 776728.3/47

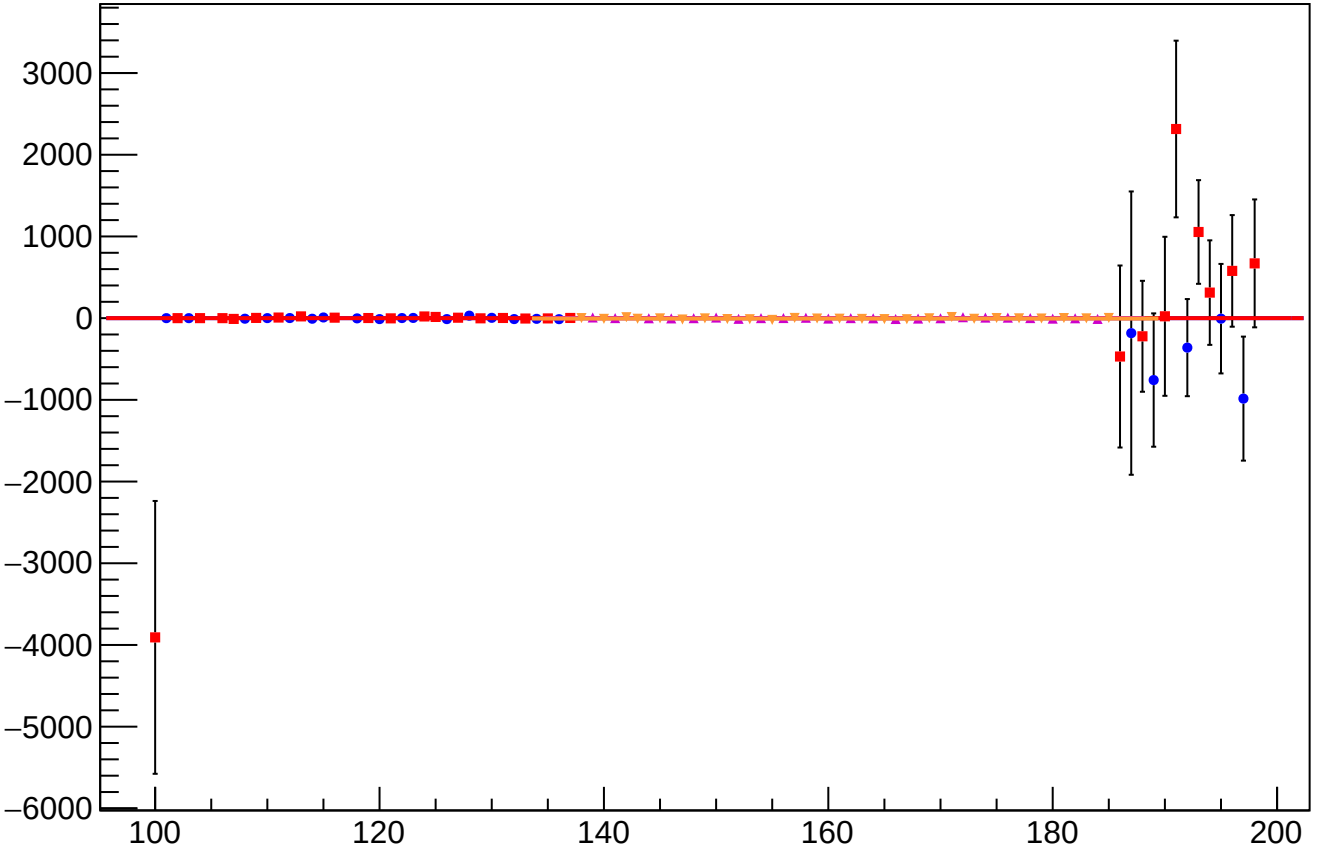
Right: 606.011+/-0.134 χ^2/NDF: 21511805.2/47

In: 535.890+/-0.081 χ^2/NDF:9636122.1/44

Out: 536.442+/-0.079 χ^2/NDF:12983118.8/50

All: 536.173+/-0.056 χ^2/NDF: 22619264.9/95

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 18.6/21

Left Out: -4.474+/-0.956 χ^2/NDF:58.2/24

Right Out: 0.027+/-0.020 χ^2/NDF: 26.1/26

Left In: 0.193+/-0.990 χ^2/NDF:29.2/22

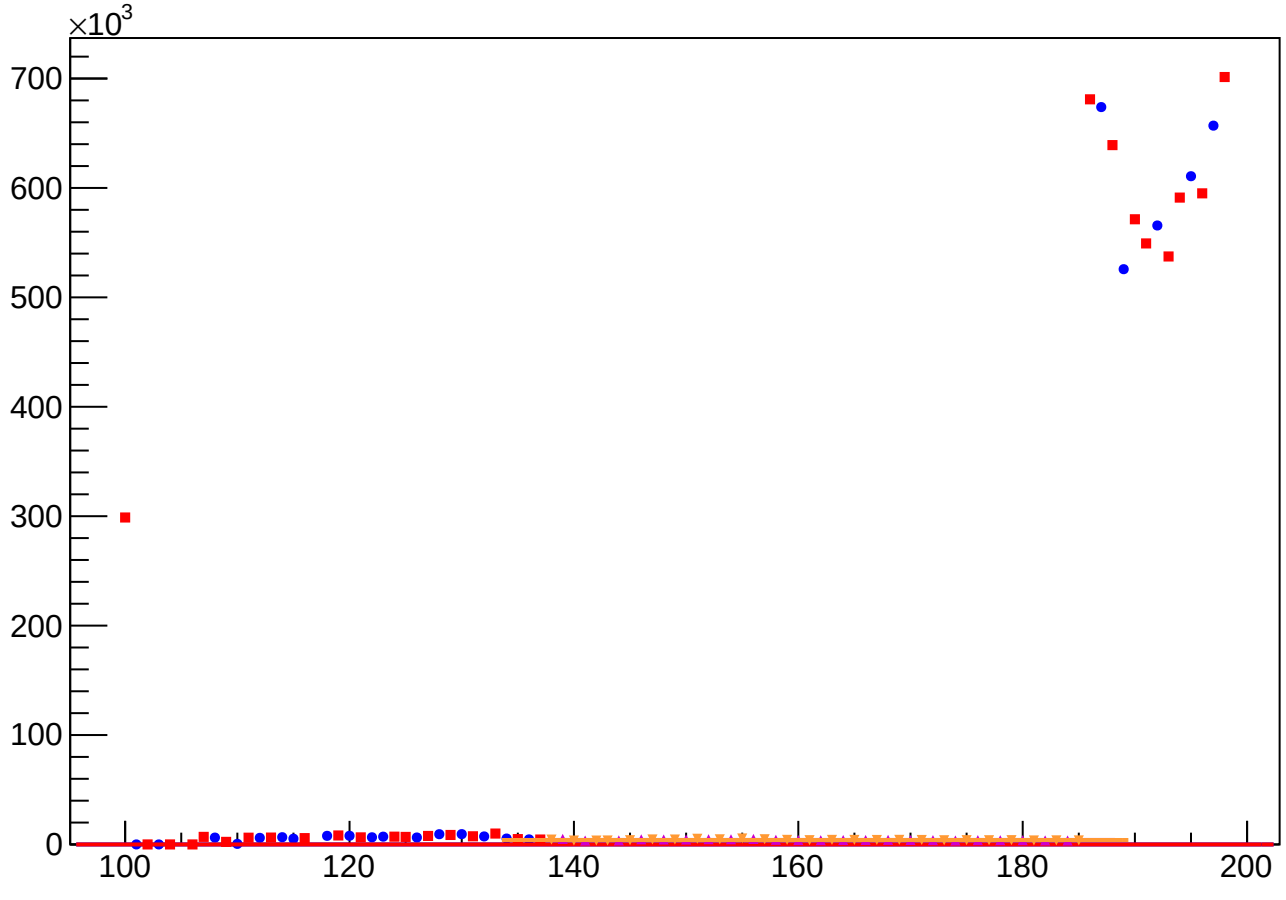
Left: -2.224+/-0.688 χ^2/NDF: 99.0/47

Right: 0.004+/-0.014 χ^2/NDF: 47.5/48

In: -0.022+/-0.021 χ^2/NDF:47.8/44

Out: 0.025+/-0.020 χ^2/NDF:106.5/51

All: 0.003+/-0.014 χ^2/NDF: 157.0/96



Right In: 17.338+/-0.015 χ^2/NDF: 16418112.9/21

Left Out: 4074.257+/-0.676 χ^2/NDF:416916.0/24

Right Out: 17.270+/-0.014 χ^2/NDF: 20729793.6/26

Left In: 4113.744+/-0.700 χ^2/NDF:354965.8/22

Left: 4093.298+/-0.486 χ^2/NDF: 773528.6/47

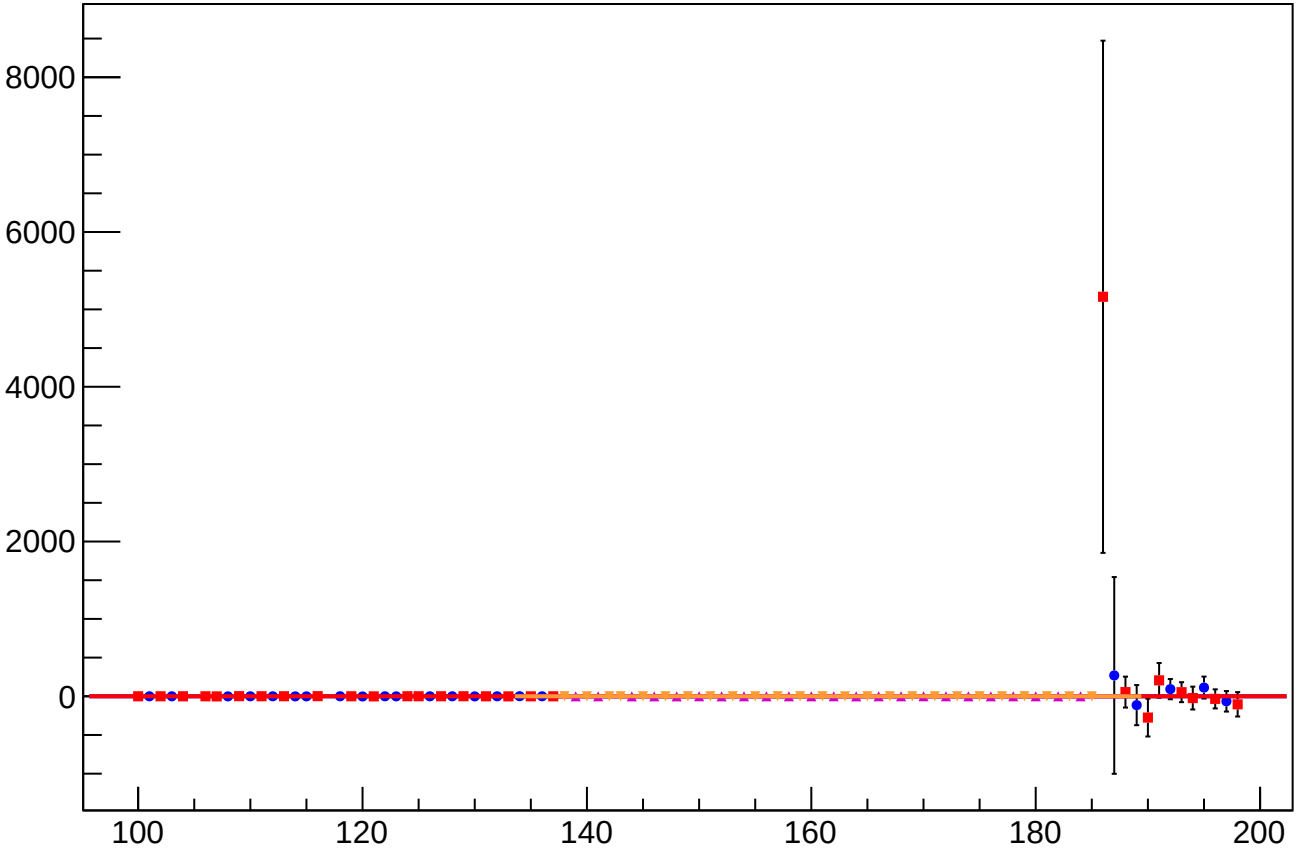
Right: 17.302+/-0.010 χ^2/NDF: 37147917.5/48

In: 19.143+/-0.015 χ^2/NDF:50987324.4/44

Out: 19.007+/-0.014 χ^2/NDF:57182732.2/51

All: 19.072+/-0.010 χ^2/NDF: 108170101.7/96

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.002 χ^2/NDF: 16.9/21

Left Out: 0.151+/-0.076 χ^2/NDF:16.8/24

Right Out: -0.001+/-0.002 χ^2/NDF: 23.4/26

Left In: -0.075+/-0.078 χ^2/NDF:34.8/22

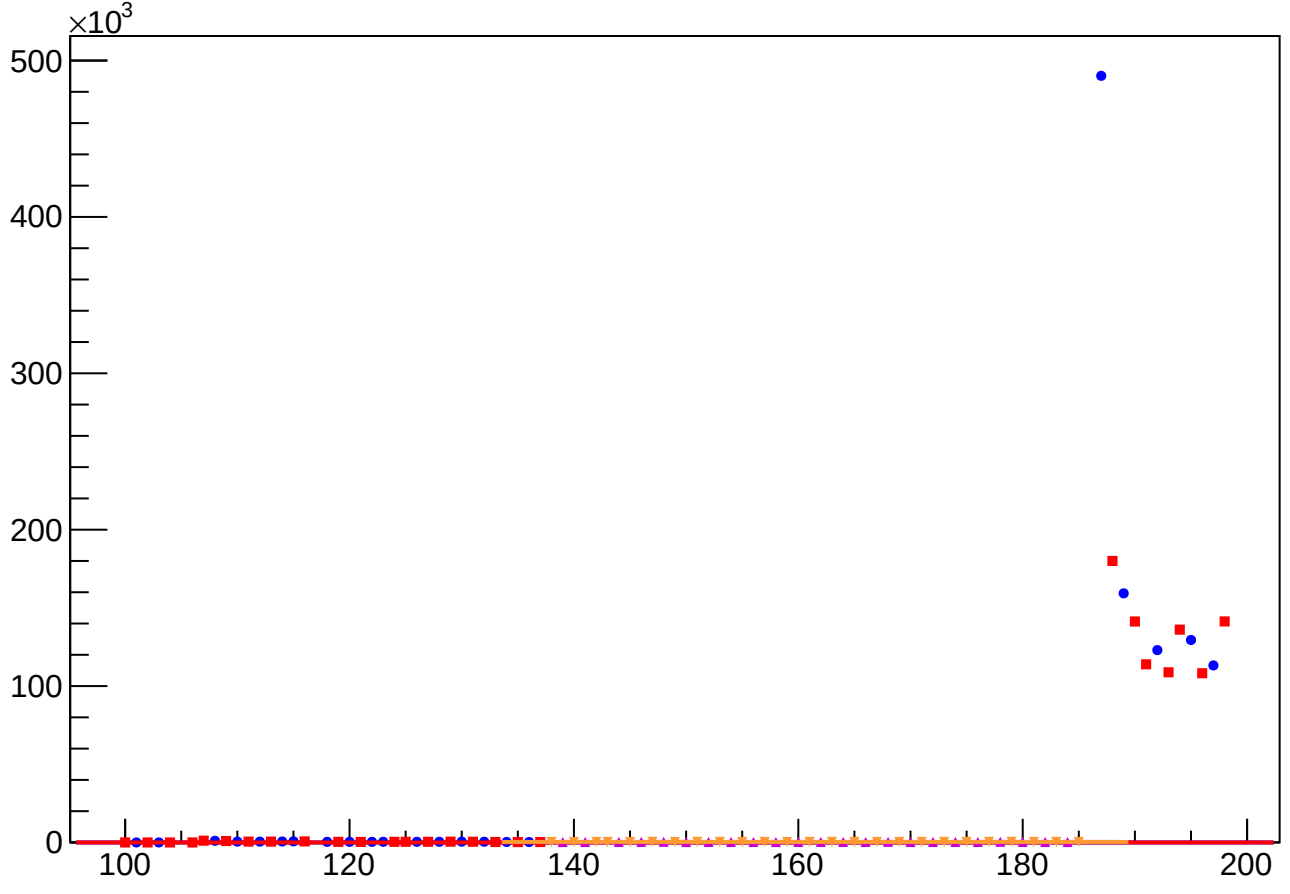
Left: 0.041+/-0.055 χ^2/NDF: 55.8/47

Right: -0.000+/-0.001 χ^2/NDF: 40.5/48

In: 0.000+/-0.002 χ^2/NDF:52.7/44

Out: -0.001+/-0.002 χ^2/NDF:44.1/51

All: -0.000+/-0.001 χ^2/NDF: 96.9/96



Right In: 1.698+/-0.001 χ^2/NDF: 16814894.7/21

Left Out: 325.469+/-0.054 χ^2/NDF:350046.8/24

Right Out: 1.728+/-0.001 χ^2/NDF: 19782532.4/25

Left In: 325.201+/-0.055 χ^2/NDF:428069.7/22

Left: 325.339+/-0.039 χ^2/NDF: 778128.6/47

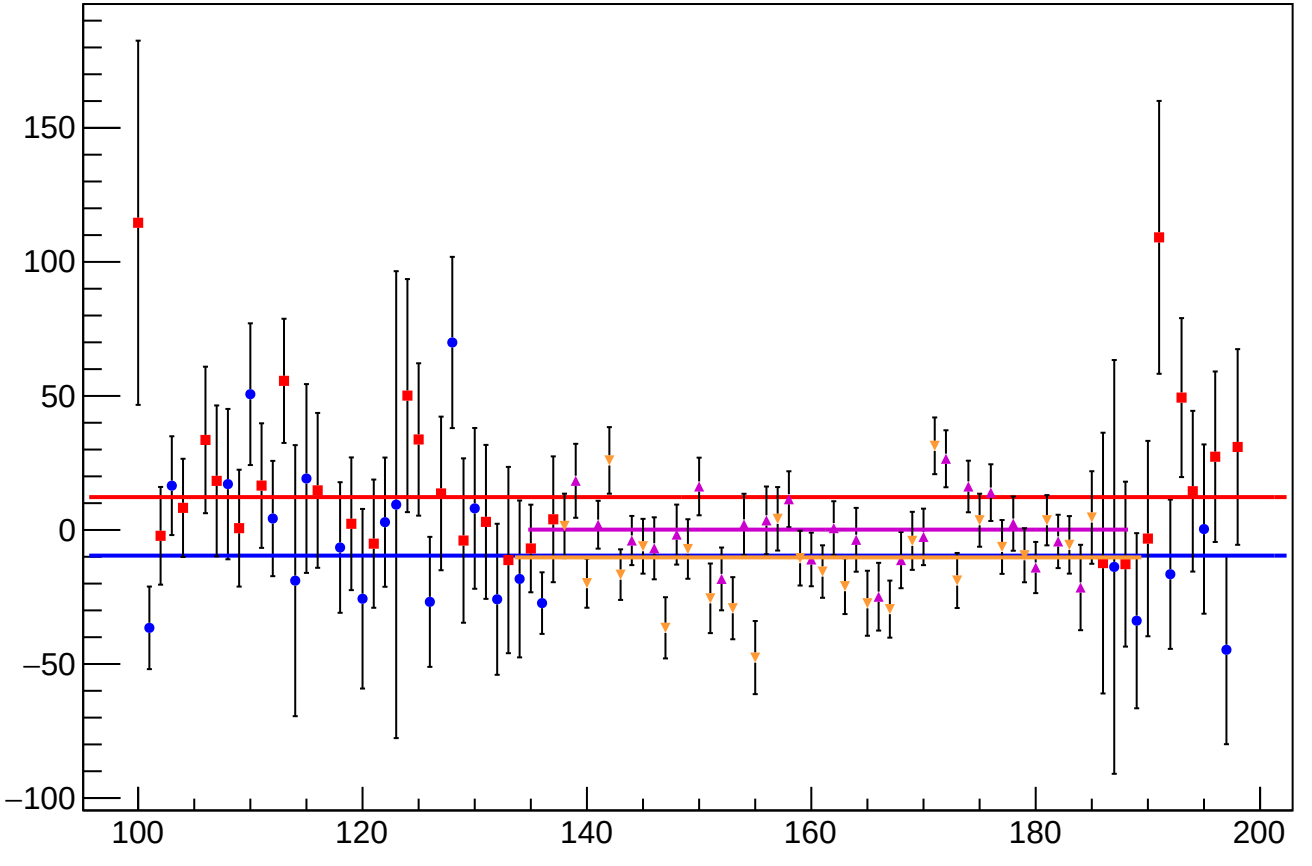
Right: 1.714+/-0.001 χ^2/NDF: 36597654.5/47

In: 1.914+/-0.001 χ^2/NDF:51218341.0/44

Out: 1.937+/-0.001 χ^2/NDF:56090357.1/50

All: 1.926+/-0.001 χ^2/NDF: 107308836.4/95

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.567+/-5.296 χ^2/NDF: 24.4/21

Left Out: -10.235+/-2.167 χ^2/NDF:58.0/24

Right Out: 12.260+/-5.166 χ^2/NDF: 18.6/26

Left In: 0.130+/-2.242 χ^2/NDF:29.8/22

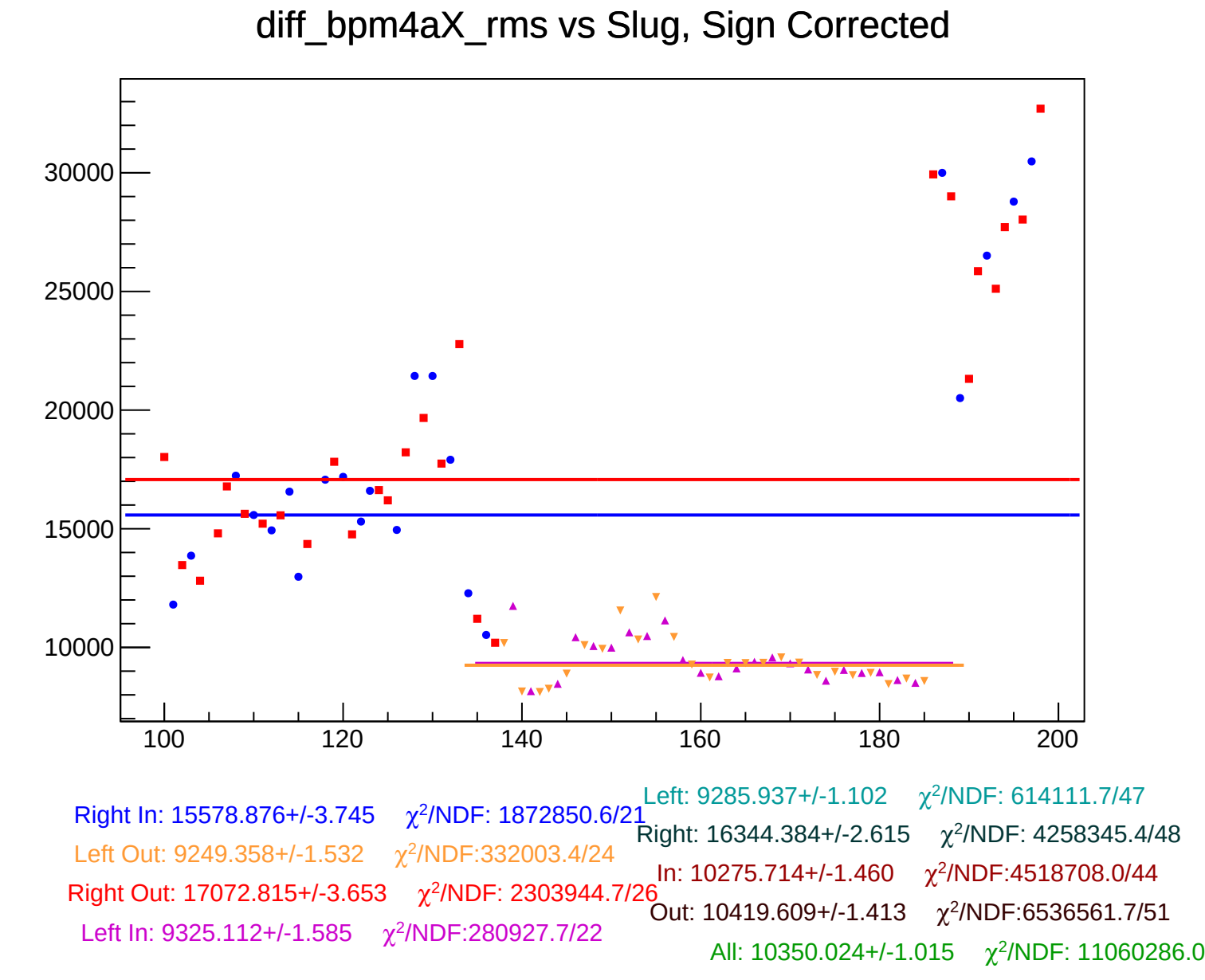
Left: -5.230+/-1.558 χ^2/NDF: 98.9/47

Right: 1.617+/-3.698 χ^2/NDF: 51.7/48

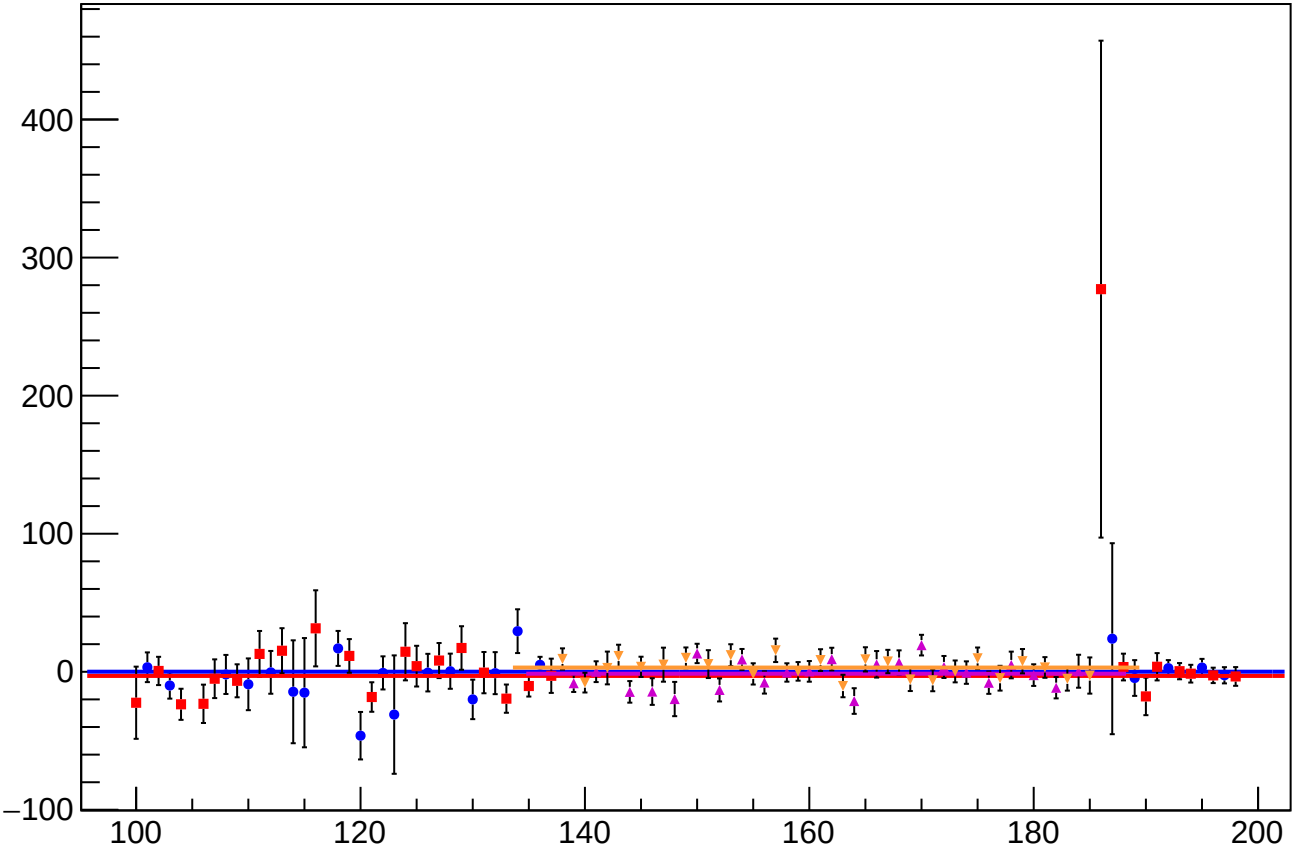
In: -1.344+/-2.065 χ^2/NDF:57.1/44

Out: -6.870+/-1.998 χ^2/NDF:92.7/51

All: -4.198+/-1.436 χ^2/NDF: 153.4/96


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15578.876+/-3.745 χ²/NDF: 1872850.6/21
Left Out: 9249.358+/-1.532 χ²/NDF:332003.4/24
Right Out: 17072.815+/-3.653 χ²/NDF: 2303944.7/26
Left In: 9325.112+/-1.585 χ²/NDF:280927.7/22
Left: 9285.937+/-1.102 χ²/NDF: 614111.7/47
Right: 16344.384+/-2.615 χ²/NDF: 4258345.4/48
In: 10275.714+/-1.460 χ²/NDF:4518708.0/44
Out: 10419.609+/-1.413 χ²/NDF:6536561.7/51
All: 10350.024+/-1.015 χ²/NDF: 11060286.0

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.062+/-2.266 χ^2/NDF: 18.3/21

Left Out: 3.062+/-1.659 χ^2/NDF:18.3/24

Right Out: -3.003+/-2.006 χ^2/NDF: 25.2/26

Left In: -1.394+/-1.693 χ^2/NDF:35.4/22

Left: 0.879+/-1.185 χ^2/NDF: 57.2/47

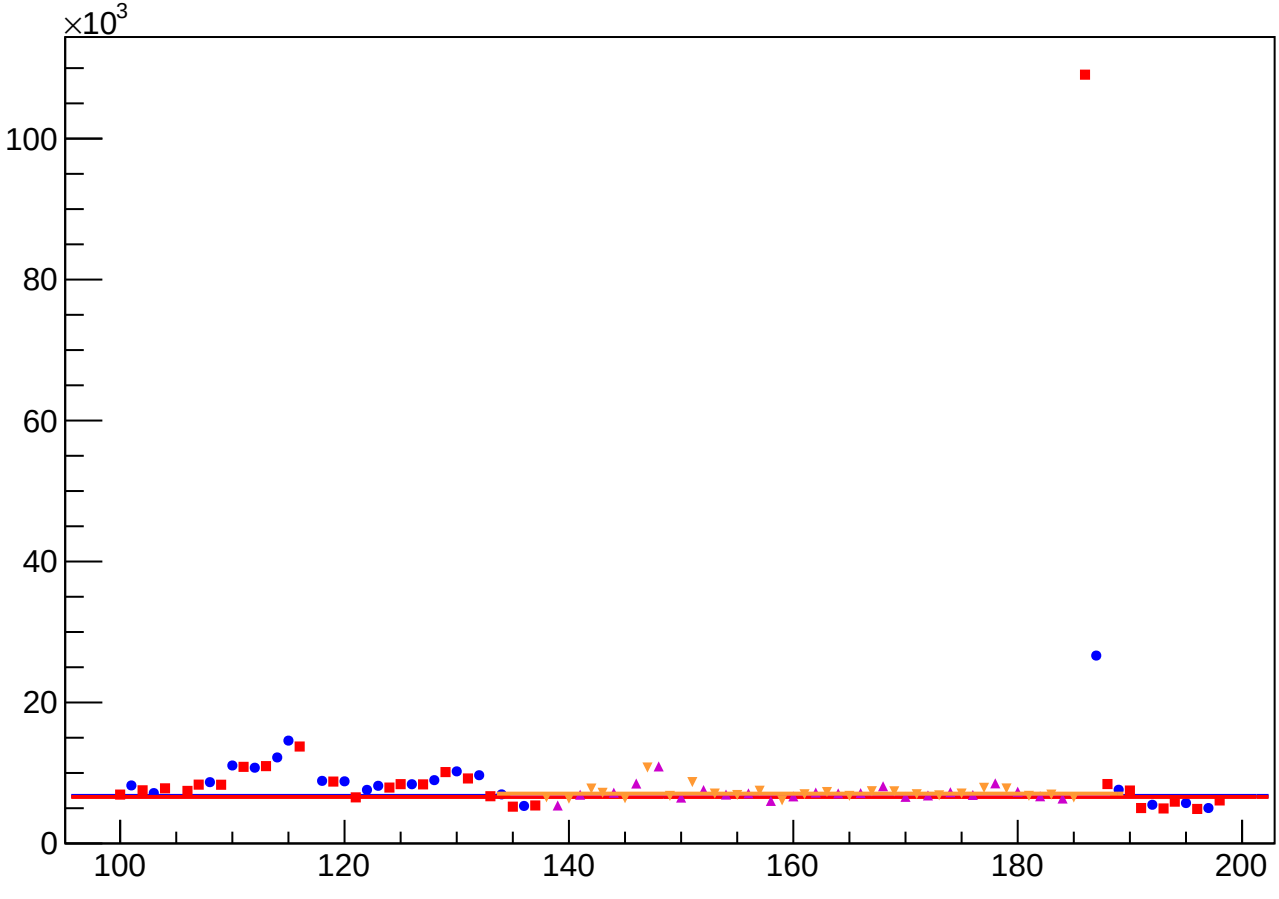
Right: -1.657+/-1.502 χ^2/NDF: 44.6/48

In: -0.873+/-1.356 χ^2/NDF:54.0/44

Out: 0.598+/-1.278 χ^2/NDF:48.9/51

All: -0.094+/-0.930 χ^2/NDF: 103.5/96

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6744.304+/-1.603 χ^2/NDF: 1435172.9/21

Left Out: 7066.826+/-1.173 χ^2/NDF:387449.8/24

Right Out: 6599.931+/-1.418 χ^2/NDF: 2072210.0/26

Left In: 7000.532+/-1.197 χ^2/NDF:550029.3/22

Left: 7034.358+/-0.838 χ^2/NDF: 939043.5/47

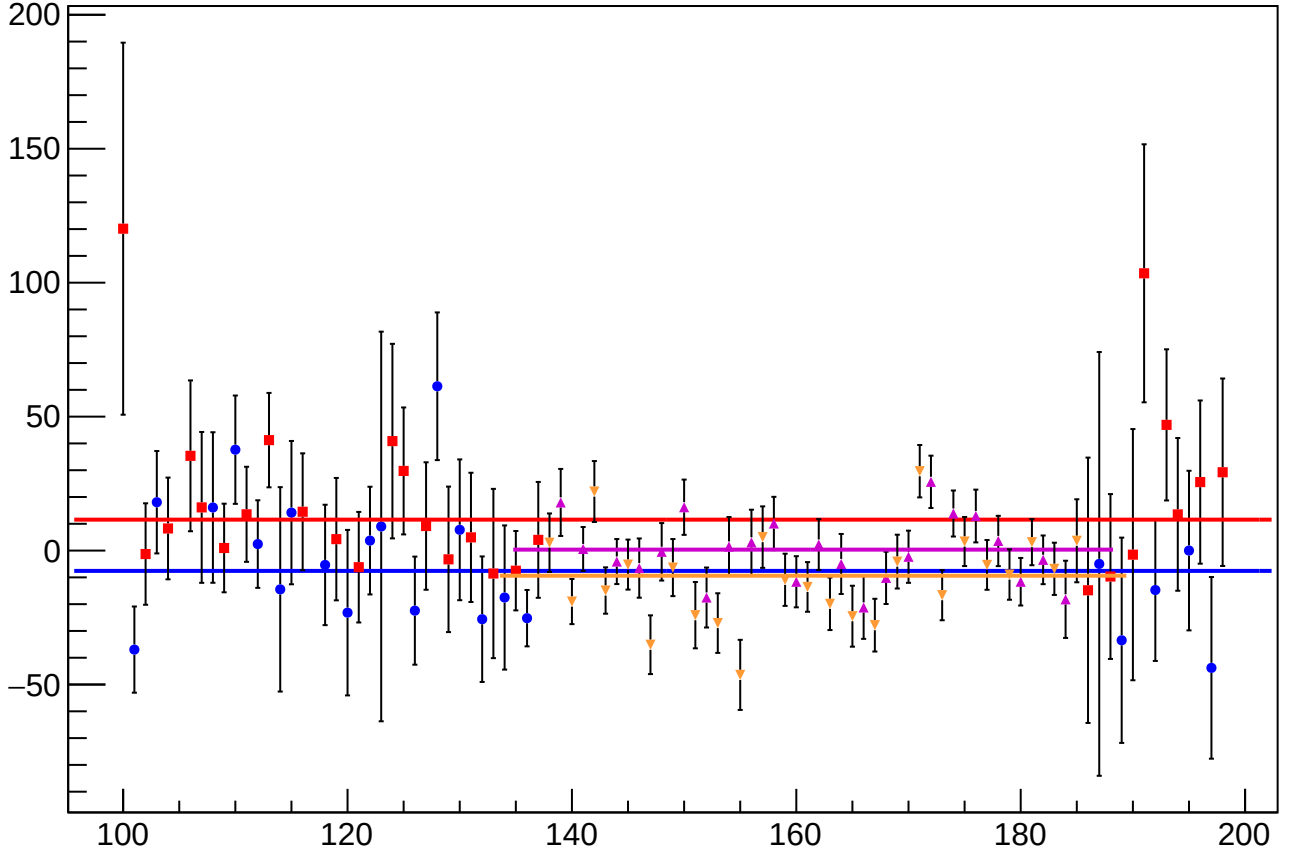
Right: 6663.336+/-1.062 χ^2/NDF: 3511934.2/48

In: 6908.752+/-0.959 χ^2/NDF:2001607.9/44

Out: 6877.170+/-0.904 χ^2/NDF:2524018.4/51

All: 6892.025+/-0.658 χ^2/NDF: 4526200.5/96

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.584+/-4.792 χ^2/NDF: 25.0/21

Left Out: -9.376+/-2.018 χ^2/NDF:58.4/24

Right Out: 11.548+/-4.636 χ^2/NDF: 18.1/26

Left In: 0.353+/-2.092 χ^2/NDF:29.6/22

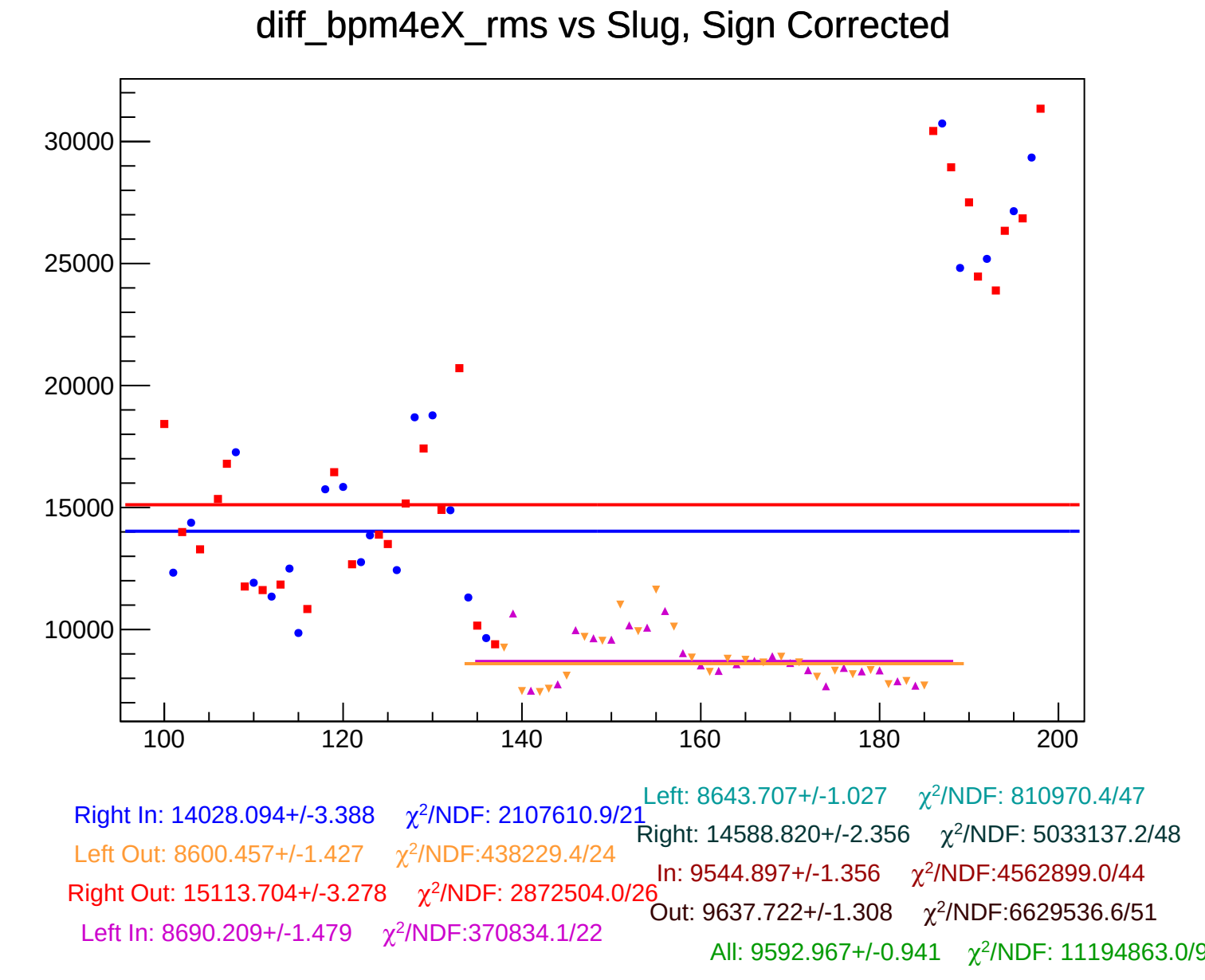
Left: -4.688+/-1.452 χ^2/NDF: 99.3/47

Right: 2.298+/-3.332 χ^2/NDF: 51.3/48

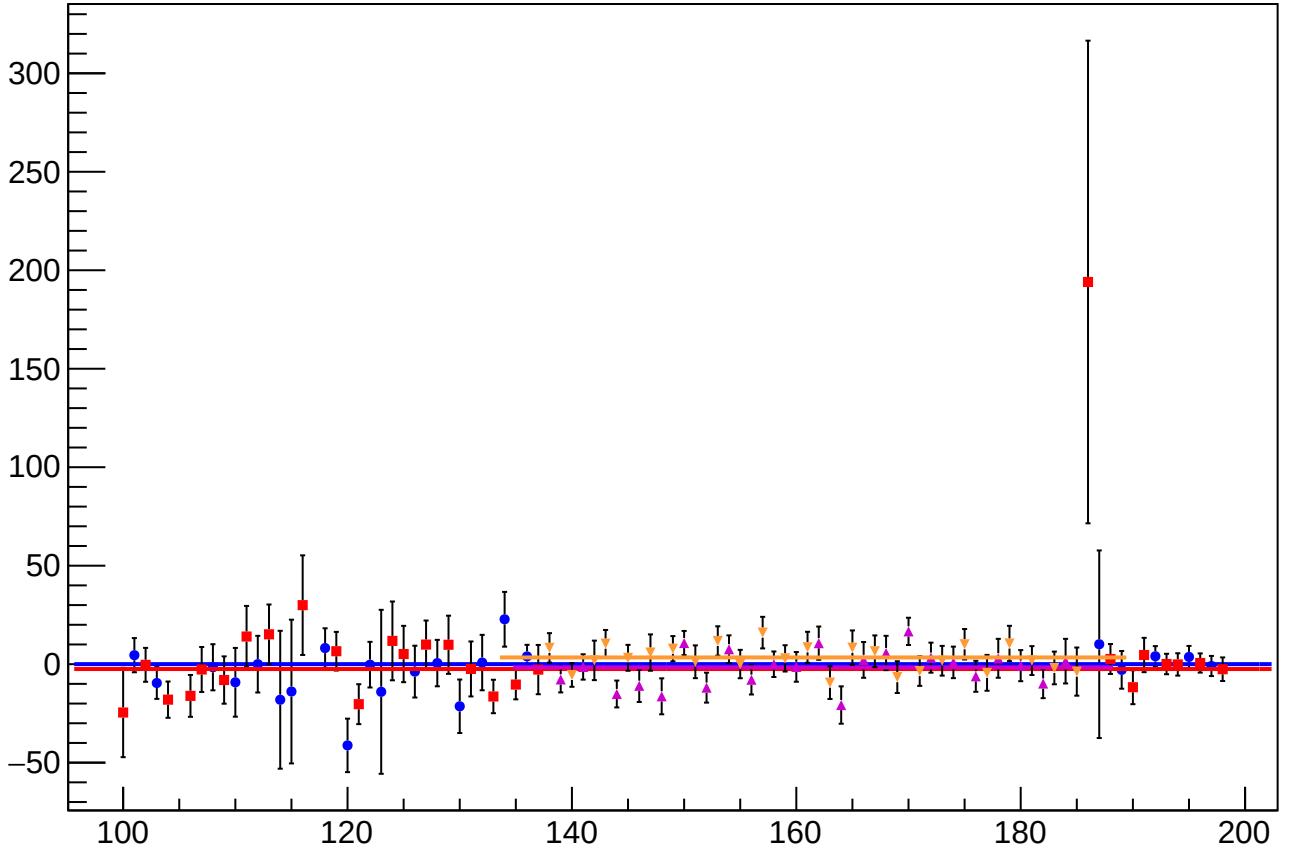
In: -0.917+/-1.917 χ^2/NDF:56.9/44

Out: -6.044+/-1.850 χ^2/NDF:93.7/51

All: -3.572+/-1.331 χ^2/NDF: 154.3/96


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14028.094+/-3.388 χ²/NDF: 2107610.9/21
Left Out: 8600.457+/-1.427 χ²/NDF:438229.4/24
Right Out: 15113.704+/-3.278 χ²/NDF: 2872504.0/26
Left In: 8690.209+/-1.479 χ²/NDF:370834.1/22
Left: 8643.707+/-1.027 χ²/NDF: 810970.4/47
Right: 14588.820+/-2.356 χ²/NDF: 5033137.2/48
In: 9544.897+/-1.356 χ²/NDF:4562899.0/44
Out: 9637.722+/-1.308 χ²/NDF:6629536.6/51
All: 9592.967+/-0.941 χ²/NDF: 11194863.0/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.013+/-2.017 χ^2/NDF: 19.3/21

Left Out: 3.406+/-1.550 χ^2/NDF:16.8/24

Right Out: -2.471+/-1.754 χ^2/NDF: 25.8/26

Left In: -1.627+/-1.599 χ^2/NDF:33.5/22

Left: 0.967+/-1.113 χ^2/NDF: 55.4/47

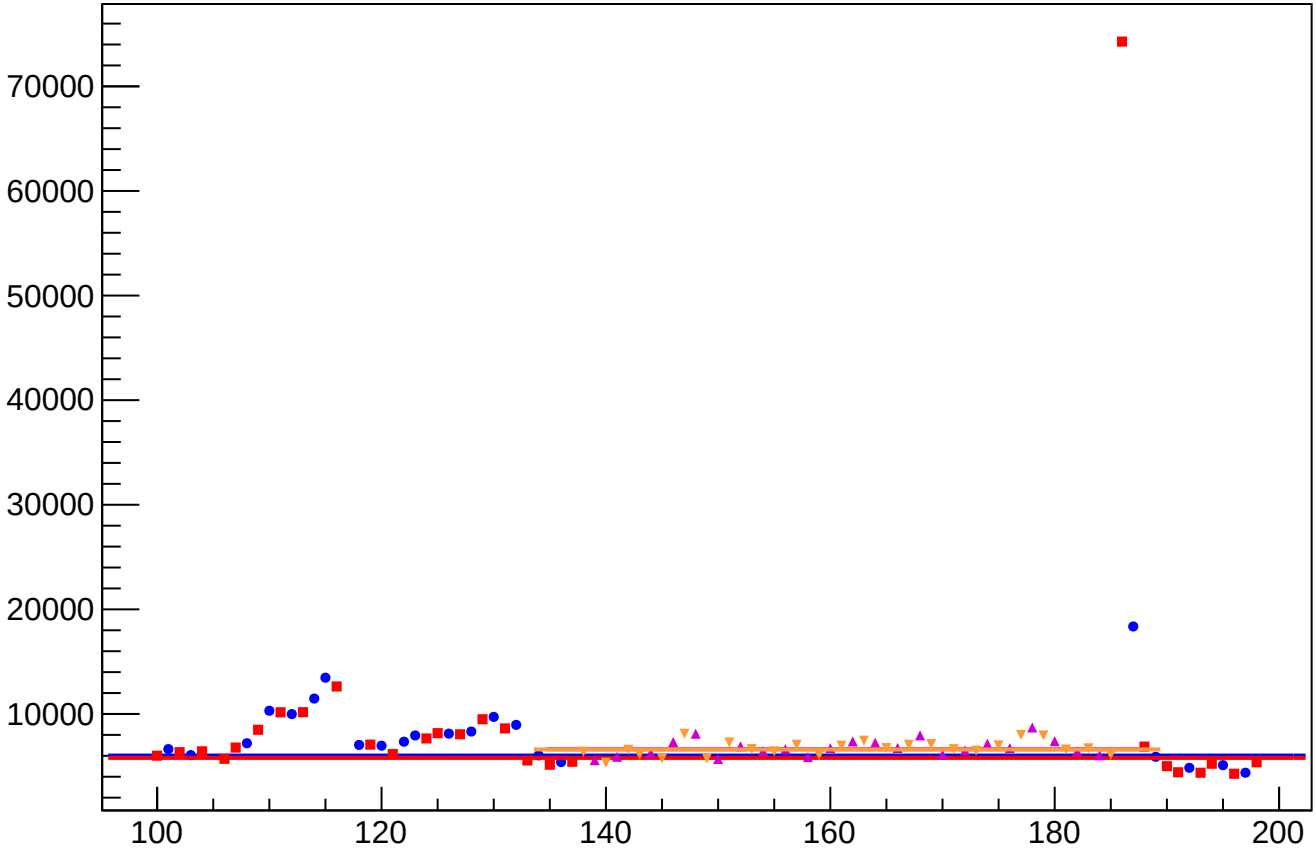
Right: -1.401+/-1.324 χ^2/NDF: 45.9/48

In: -0.994+/-1.253 χ^2/NDF:53.2/44

Out: 0.829+/-1.162 χ^2/NDF:48.9/51

All: -0.014+/-0.852 χ^2/NDF: 103.2/96

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6024.705+/-1.426 χ^2/NDF: 1376593.1/21

Left Out: 6607.100+/-1.096 χ^2/NDF:398416.1/24

Right Out: 5800.213+/-1.241 χ^2/NDF: 2107859.8/26

Left In: 6628.653+/-1.131 χ^2/NDF:430282.2/22

Left: 6617.543+/-0.787 χ^2/NDF: 828885.6/47

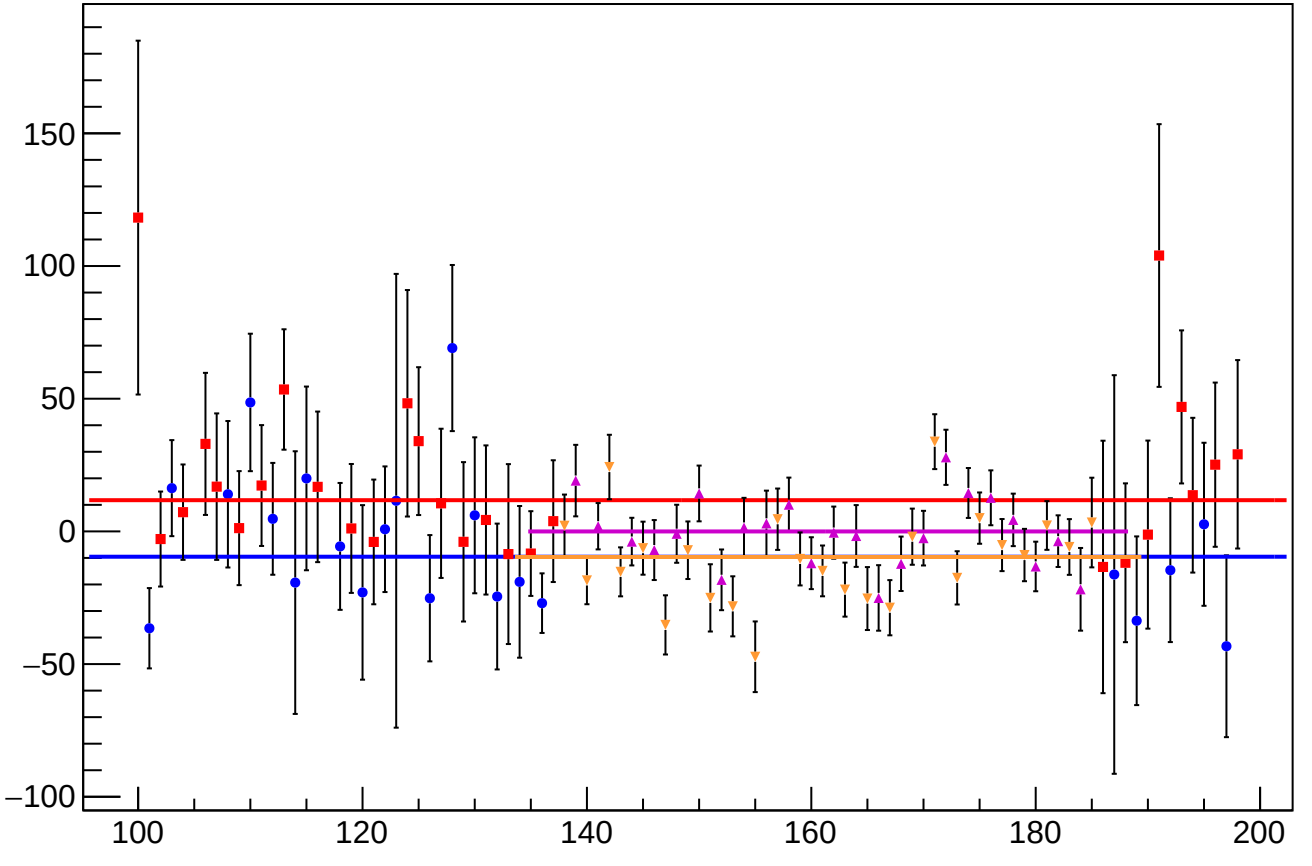
Right: 5896.924+/-0.936 χ^2/NDF: 3498560.6/48

In: 6395.498+/-0.886 χ^2/NDF:1917009.1/44

Out: 6253.259+/-0.821 χ^2/NDF:2743817.2/51

All: 6319.013+/-0.602 χ^2/NDF: 4674685.3/96

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.543+/-5.186 χ^2/NDF: 24.3/21

Left Out: -9.649+/-2.118 χ^2/NDF:59.8/24

Right Out: 11.759+/-5.058 χ^2/NDF: 18.5/26

Left In: -0.019+/-2.192 χ^2/NDF:30.6/22

Left: -4.999+/-1.523 χ^2/NDF: 100.4/47

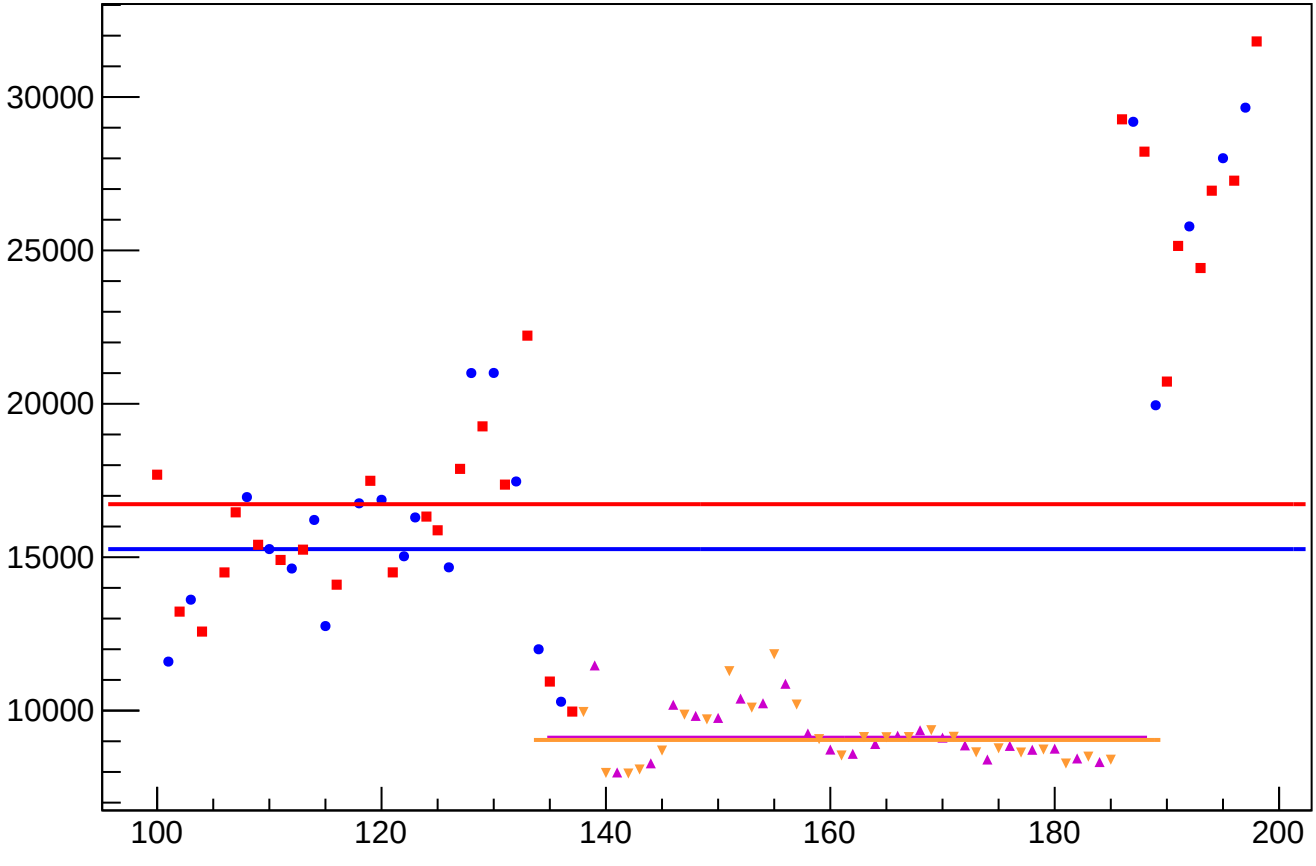
Right: 1.374+/-3.621 χ^2/NDF: 51.4/48

In: -1.463+/-2.019 χ^2/NDF:57.7/44

Out: -6.454+/-1.954 χ^2/NDF:93.6/51

All: -4.041+/-1.404 χ^2/NDF: 154.4/96

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15263.520+/-3.667 χ^2/NDF: 1854708.1/21

Left Out: 9043.485+/-1.498 χ^2/NDF:328192.2/24

Right Out: 16728.021+/-3.577 χ^2/NDF: 2271432.1/26

Left In: 9116.921+/-1.550 χ^2/NDF:277594.8/22

Left: 9078.947+/-1.077 χ^2/NDF: 606947.8/47

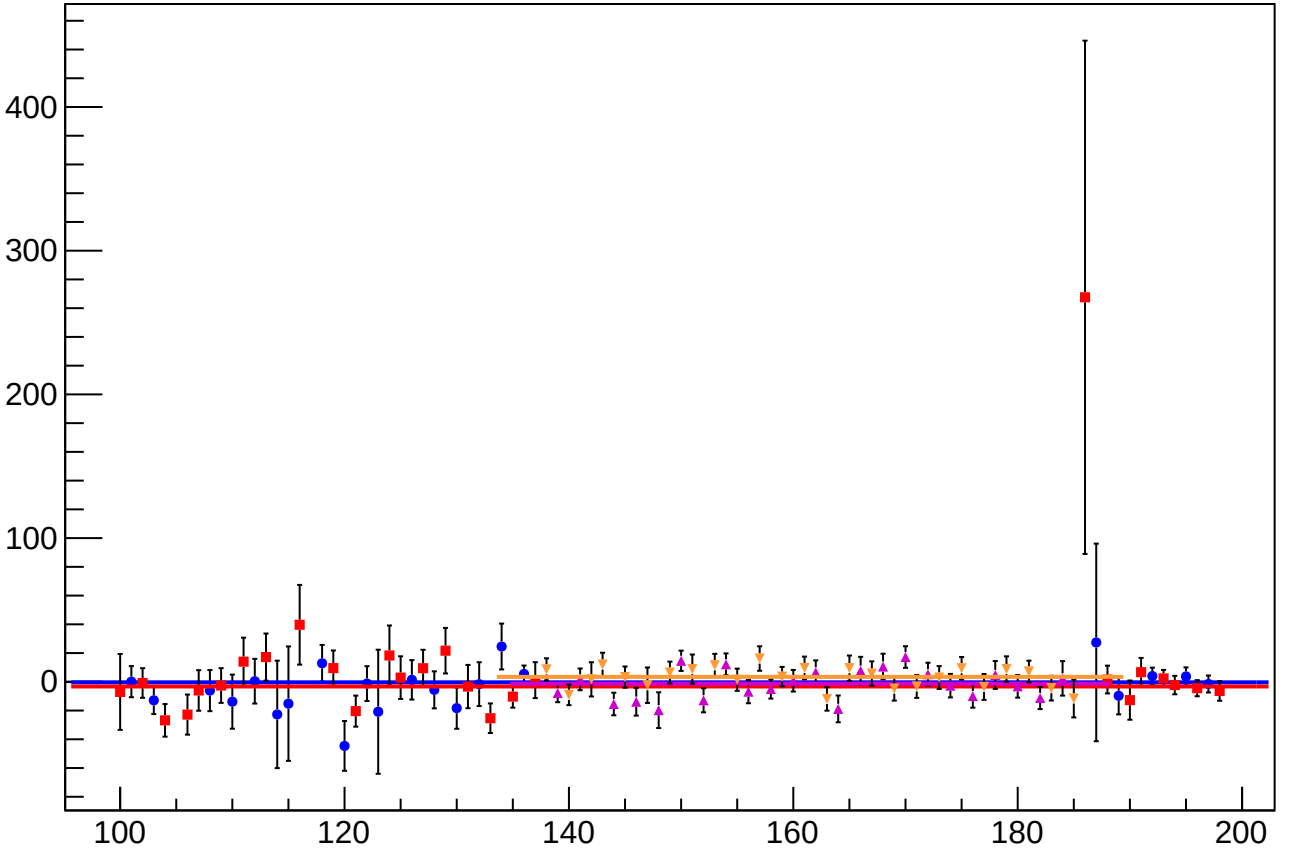
Right: 16014.071+/-2.560 χ^2/NDF: 4207879.4/48

In: 10048.584+/-1.428 χ^2/NDF:4515964.0/44

Out: 10190.125+/-1.382 χ^2/NDF:6527236.2/51

All: 10121.678+/-0.993 χ^2/NDF: 11048276.0

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -0.365+/-2.278 χ^2/NDF: 17.6/21

Left Out: 3.439+/-1.666 χ^2/NDF:18.9/24

Right Out: -3.253+/-2.016 χ^2/NDF: 30.5/26

Left In: -1.291+/-1.701 χ^2/NDF:36.5/22

Left: 1.123+/-1.190 χ^2/NDF: 59.4/47

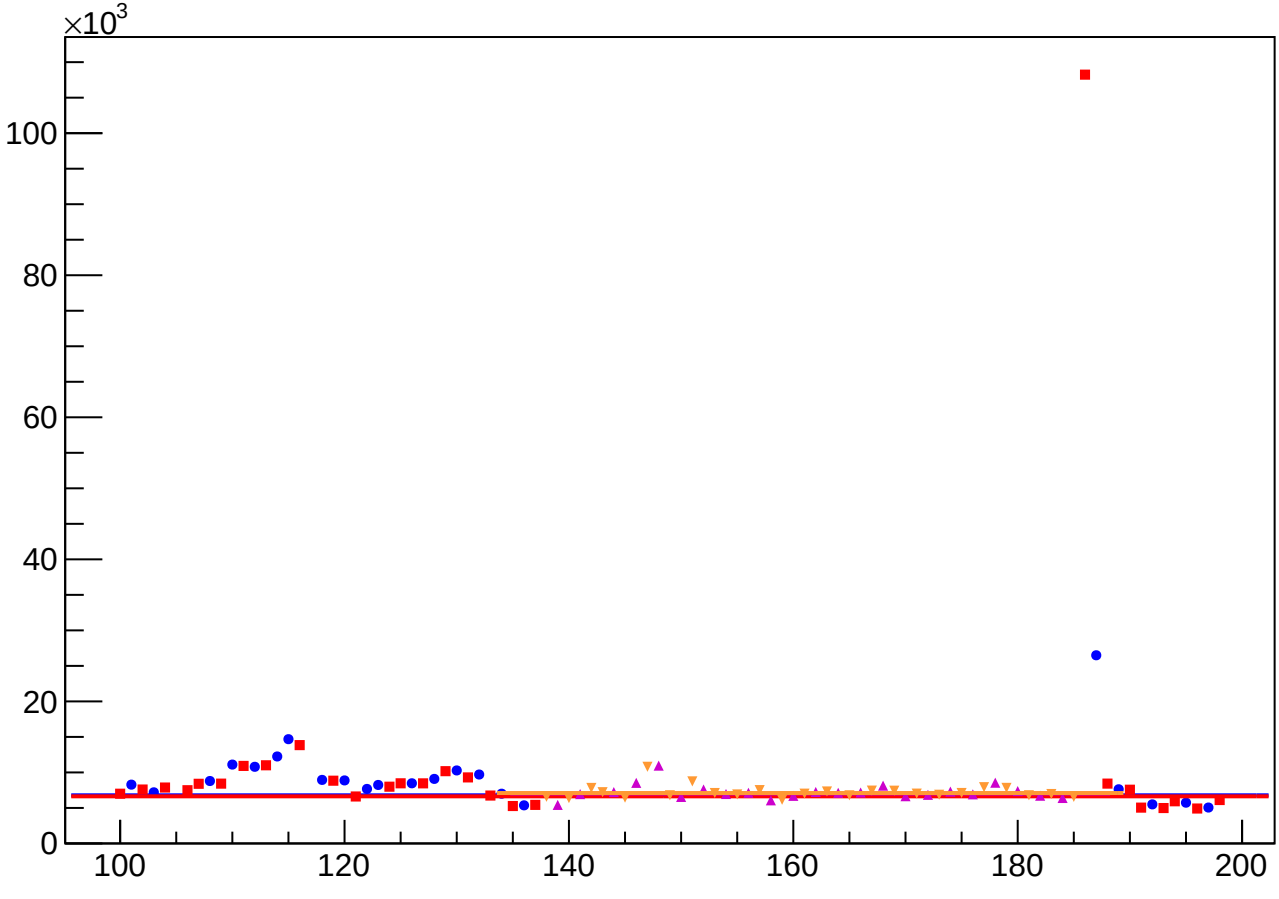
Right: -1.985+/-1.510 χ^2/NDF: 49.0/48

In: -0.960+/-1.363 χ^2/NDF:54.3/44

Out: 0.723+/-1.284 χ^2/NDF:56.0/51

All: -0.068+/-0.935 χ^2/NDF: 111.1/96

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6779.727+/-1.611 χ^2/NDF: 1440523.4/21

Left Out: 7098.726+/-1.178 χ^2/NDF:382550.4/24

Right Out: 6634.073+/-1.425 χ^2/NDF: 2076751.7/26

Left In: 7033.702+/-1.203 χ^2/NDF:541035.5/22

Left: 7066.886+/-0.842 χ^2/NDF: 925077.6/47

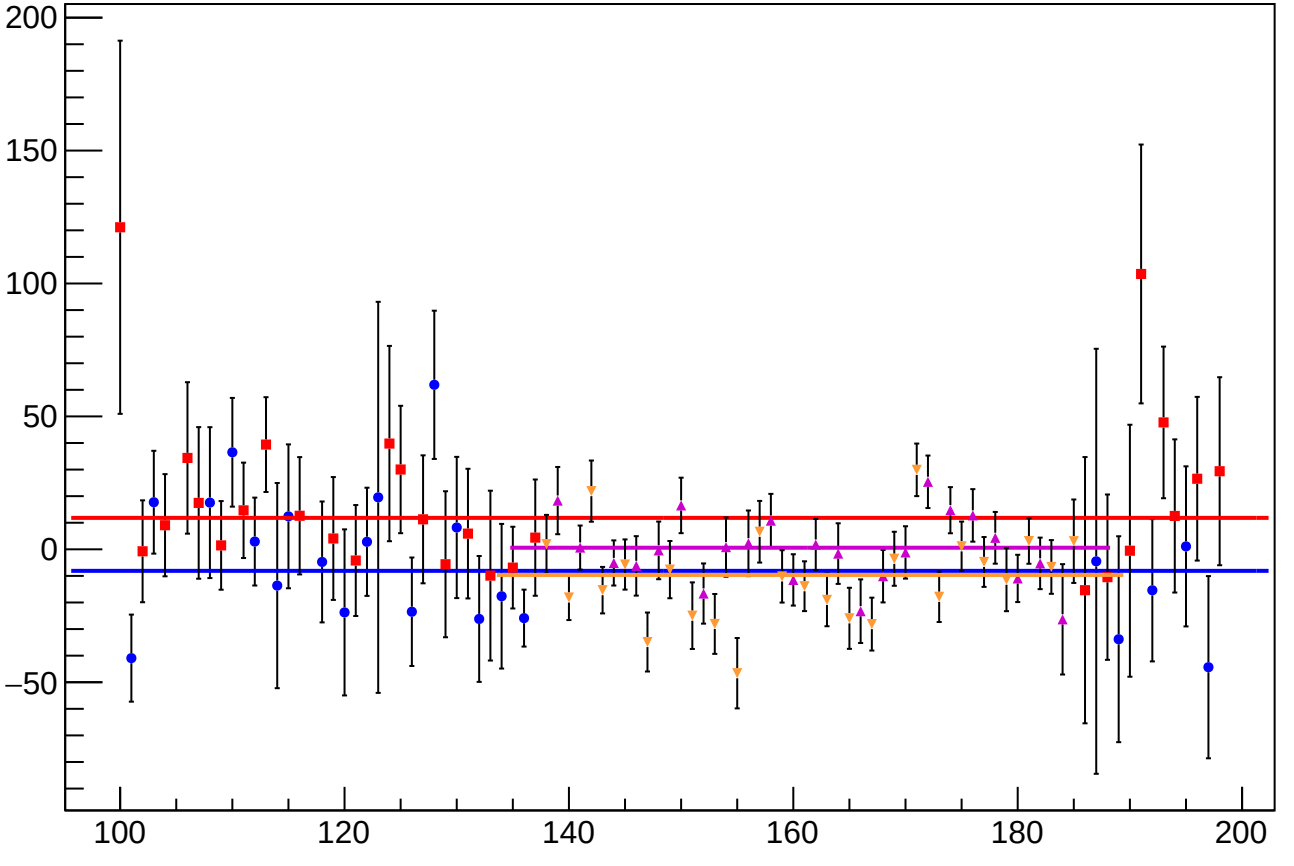
Right: 6698.026+/-1.068 χ^2/NDF: 3521860.1/48

In: 6942.810+/-0.964 χ^2/NDF:1997517.5/44

Out: 6910.132+/-0.908 χ^2/NDF:2522440.3/51

All: 6925.499+/-0.661 χ^2/NDF: 4520566.8/96

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.097+/-4.855 χ^2/NDF: 25.6/21

Left Out: -9.640+/-2.057 χ^2/NDF:57.6/24

Right Out: 11.832+/-4.700 χ^2/NDF: 17.2/26

Left In: 0.599+/-2.135 χ^2/NDF:29.7/22

Left: -4.710+/-1.481 χ^2/NDF: 99.2/47

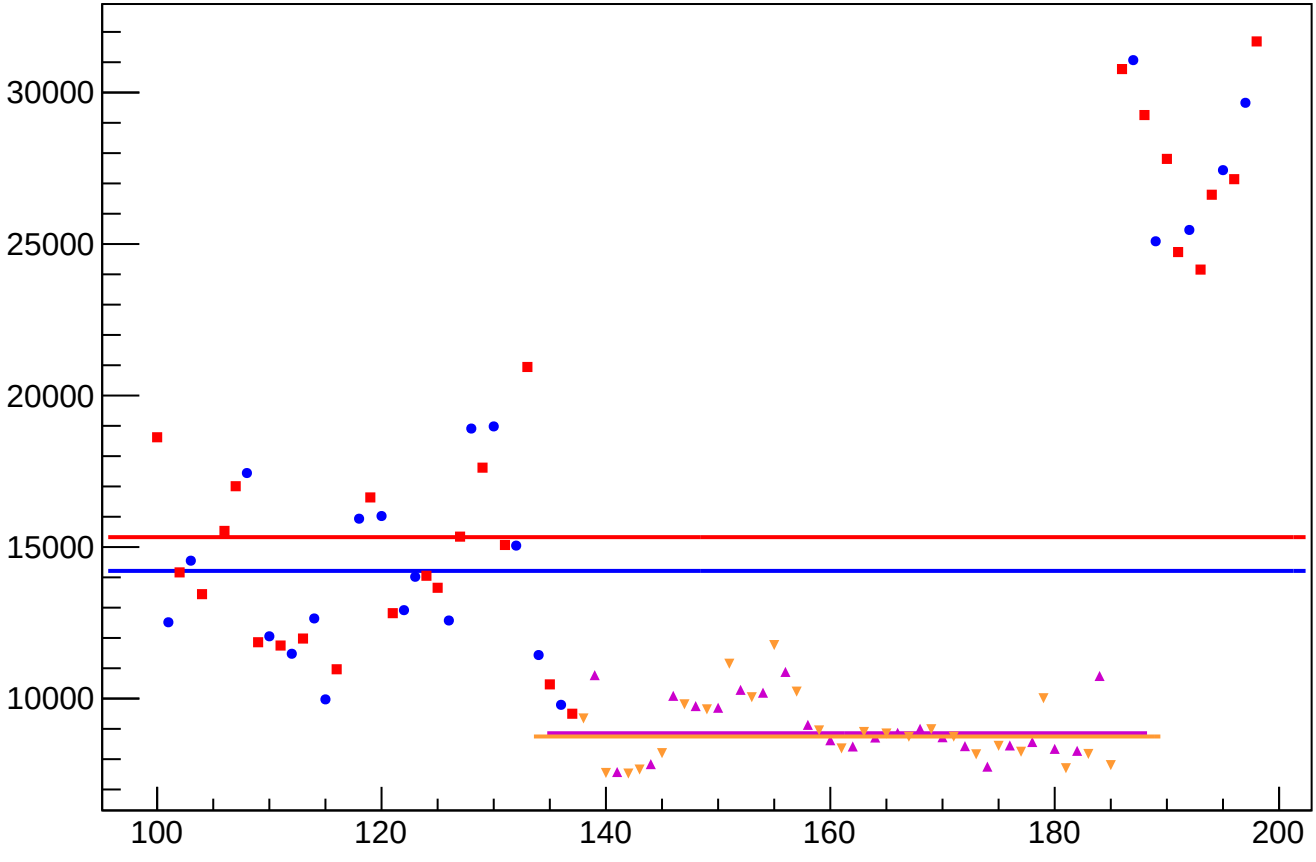
Right: 2.191+/-3.377 χ^2/NDF: 51.5/48

In: -0.810+/-1.954 χ^2/NDF:57.9/44

Out: -6.188+/-1.885 χ^2/NDF:92.4/51

All: -3.597+/-1.357 χ^2/NDF: 154.2/96

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14213.097+/-3.433 χ^2/NDF: 2094340.0/21

Left Out: 8748.407+/-1.455 χ^2/NDF:463394.1/24

Right Out: 15327.008+/-3.323 χ^2/NDF: 2844404.3/26

Left In: 8855.591+/-1.510 χ^2/NDF:367542.7/22

Left: 8800.011+/-1.048 χ^2/NDF: 833550.6/47

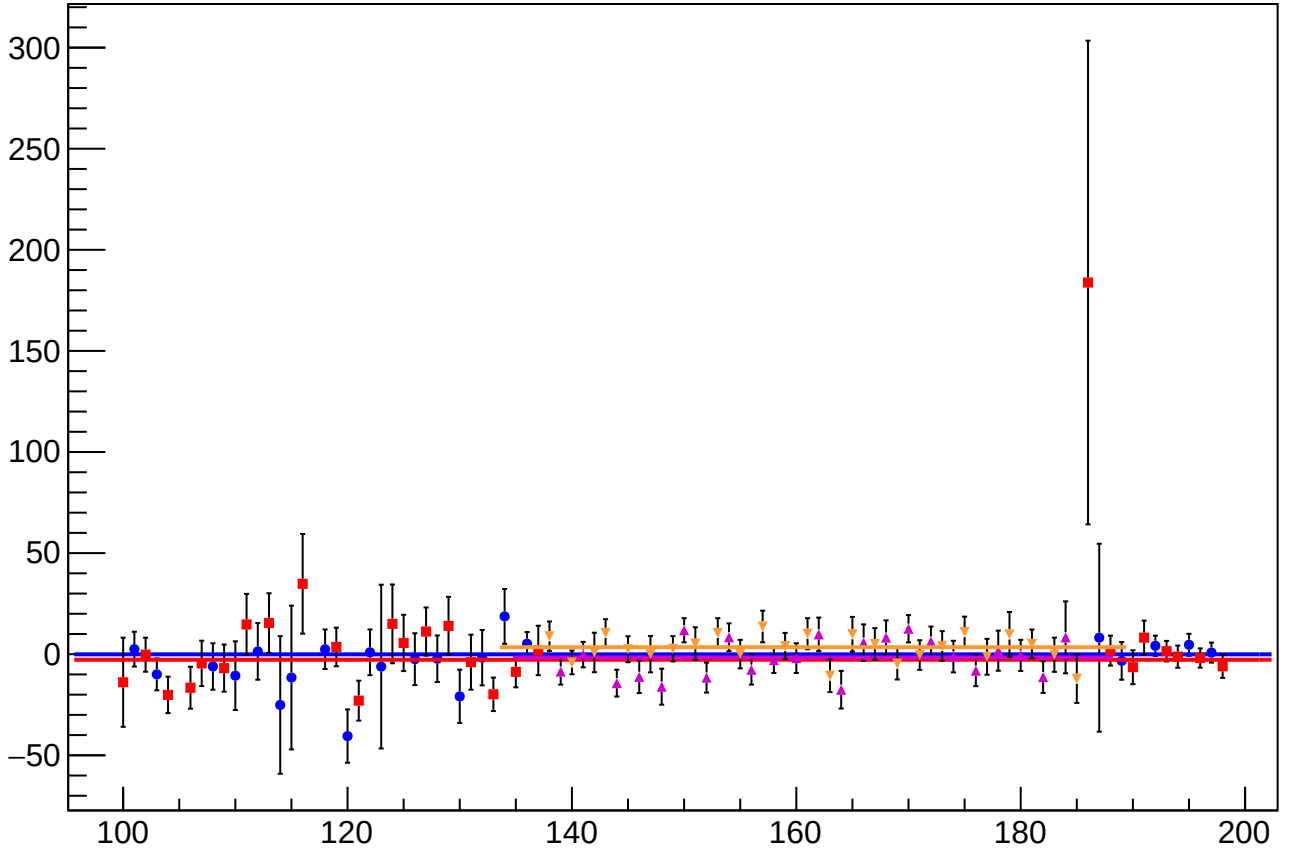
Right: 14788.126+/-2.388 χ^2/NDF: 4993094.6/48

In: 9723.790+/-1.382 χ^2/NDF:4502694.9/44

Out: 9806.218+/-1.333 χ^2/NDF:6596255.3/51

All: 9766.501+/-0.959 χ^2/NDF: 11100793.6/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -0.067+/-1.967 χ^2/NDF: 19.4/21

Left Out: 3.473+/-1.524 χ^2/NDF:15.8/24

Right Out: -2.734+/-1.711 χ^2/NDF: 30.6/26

Left In: -1.638+/-1.578 χ^2/NDF:33.7/22

Left: 1.006+/-1.096 χ^2/NDF: 54.9/47

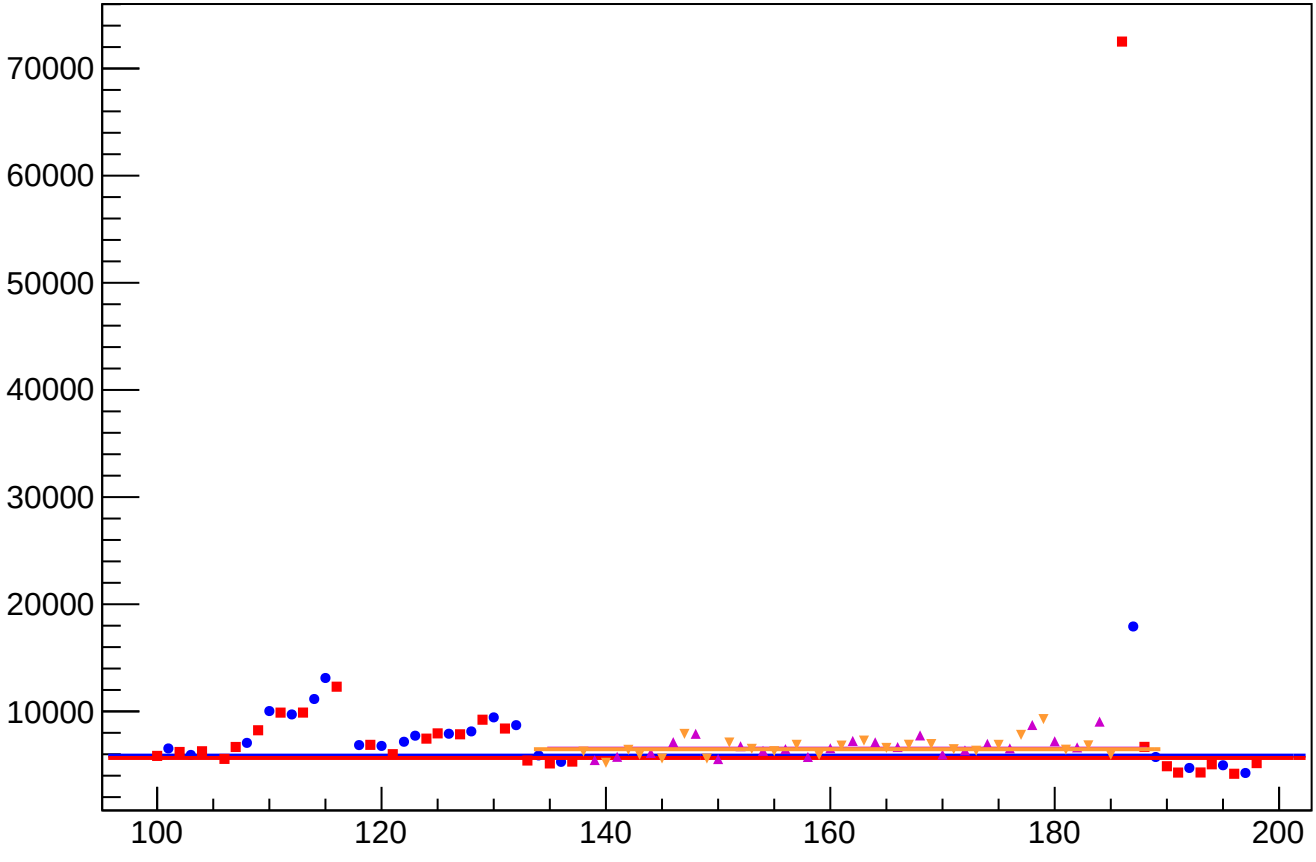
Right: -1.585+/-1.291 χ^2/NDF: 51.0/48

In: -1.023+/-1.231 χ^2/NDF:53.5/44

Out: 0.727+/-1.138 χ^2/NDF:53.7/51

All: -0.080+/-0.836 χ^2/NDF: 108.3/96

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5871.991+/-1.391 χ^2/NDF: 1385315.6/21

Left Out: 6471.976+/-1.078 χ^2/NDF:490282.9/24

Right Out: 5654.689+/-1.210 χ^2/NDF: 2099136.9/26

Left In: 6521.975+/-1.116 χ^2/NDF:480034.7/22

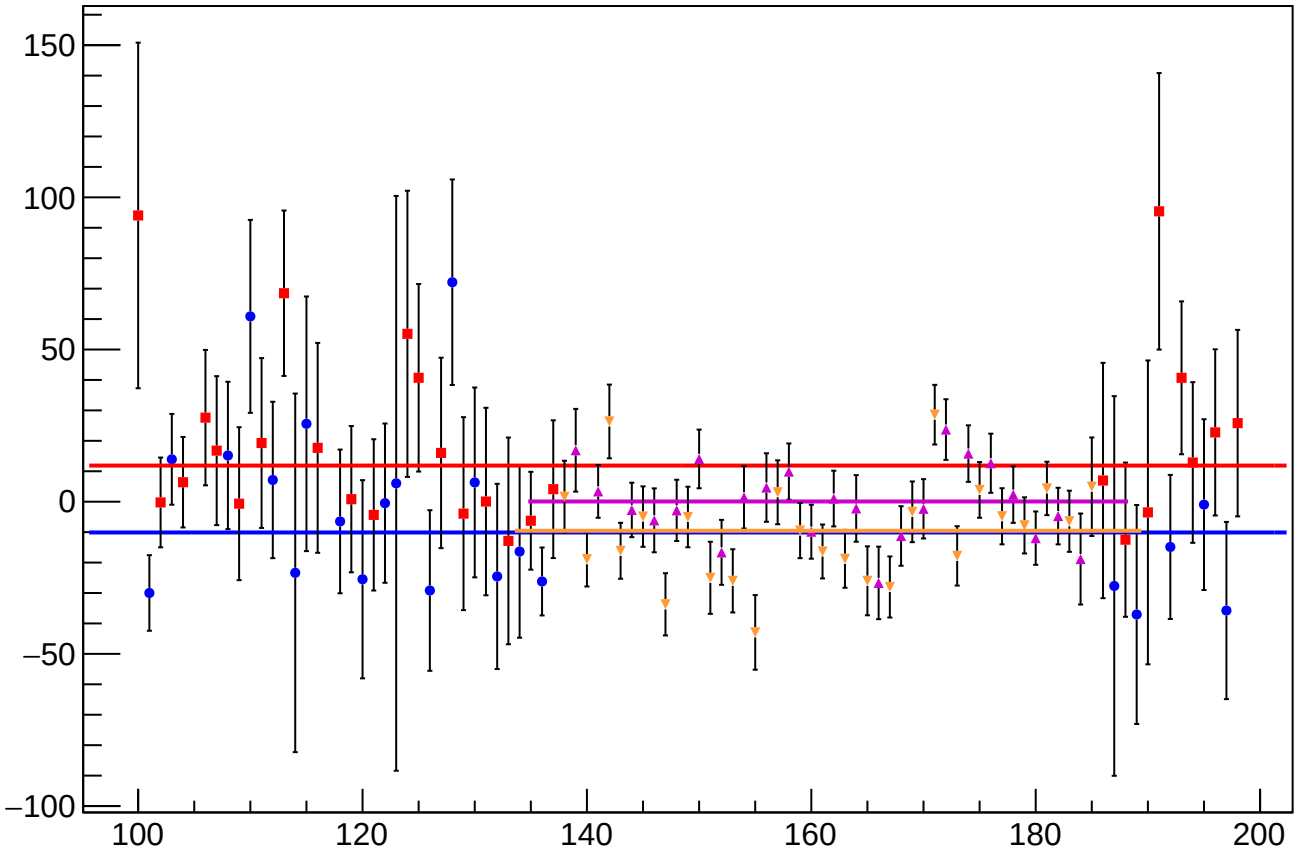
Left: 6496.112+/-0.775 χ^2/NDF: 971356.4/47

Right: 5748.293+/-0.913 χ^2/NDF: 3498343.0/48

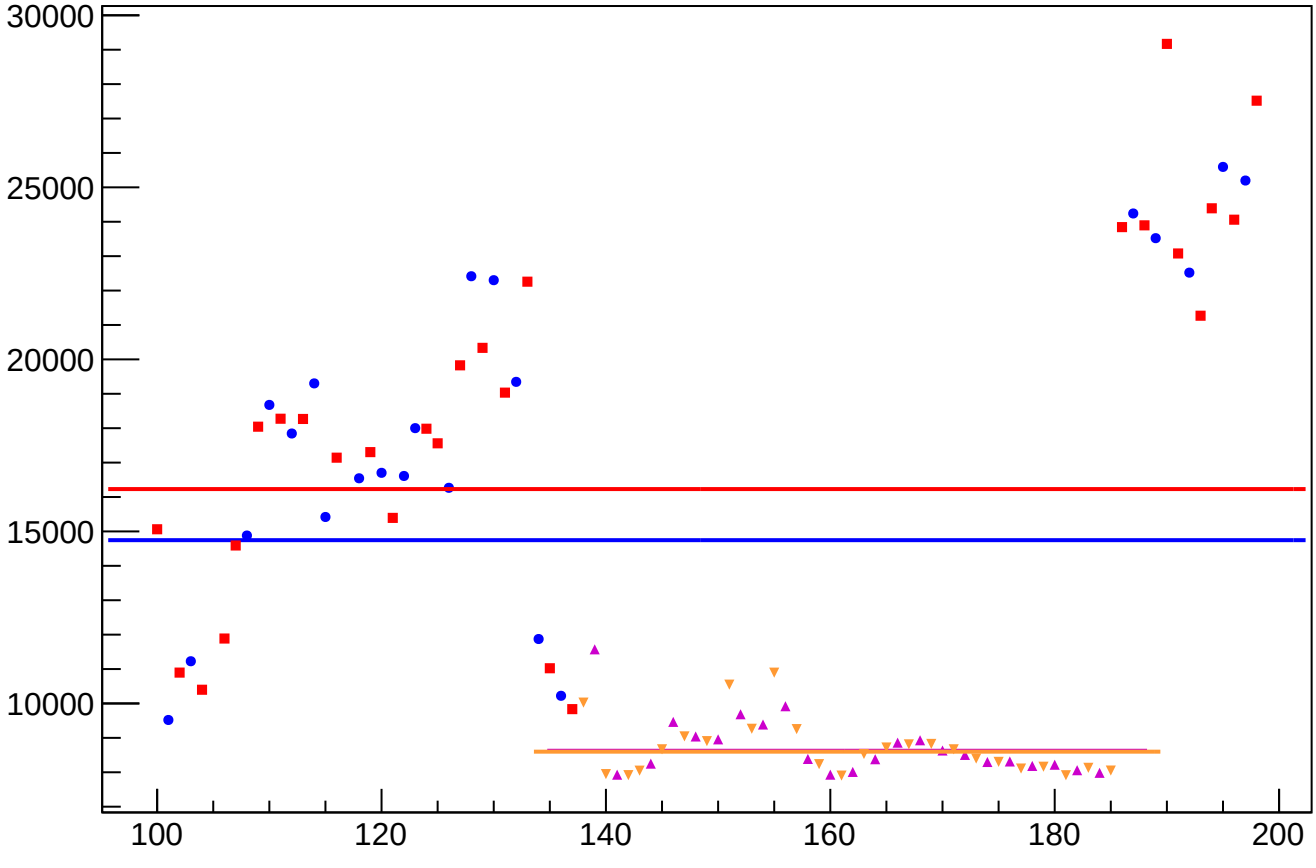
In: 6267.528+/-0.870 χ^2/NDF:1998206.6/44

Out: 6110.419+/-0.805 χ^2/NDF:2843775.2/51

All: 6182.840+/-0.591 χ^2/NDF: 4859545.8/96


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.112+/-5.043 χ²/NDF: 23.6/21
Left Out: -9.554+/-2.012 χ²/NDF:59.5/24
Right Out: 11.868+/-4.918 χ²/NDF: 18.9/26
Left In: 0.072+/-2.073 χ²/NDF:29.8/22
Left: -4.885+/-1.444 χ²/NDF: 100.5/47
Right: 1.154+/-3.521 χ²/NDF: 52.2/48
In: -1.400+/-1.917 χ²/NDF:56.9/44
Out: -6.483+/-1.862 χ²/NDF:94.7/51
All: -4.016+/-1.336 χ²/NDF: 155.2/96

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 14745.752+/-3.566 χ^2/NDF: 2129389.3/21

Left Out: 8598.983+/-1.423 χ^2/NDF:249070.5/24

Right Out: 16230.832+/-3.477 χ^2/NDF: 2359439.9/26

Left In: 8625.233+/-1.466 χ^2/NDF:237310.9/22

Left: 8611.717+/-1.021 χ^2/NDF: 486546.6/47

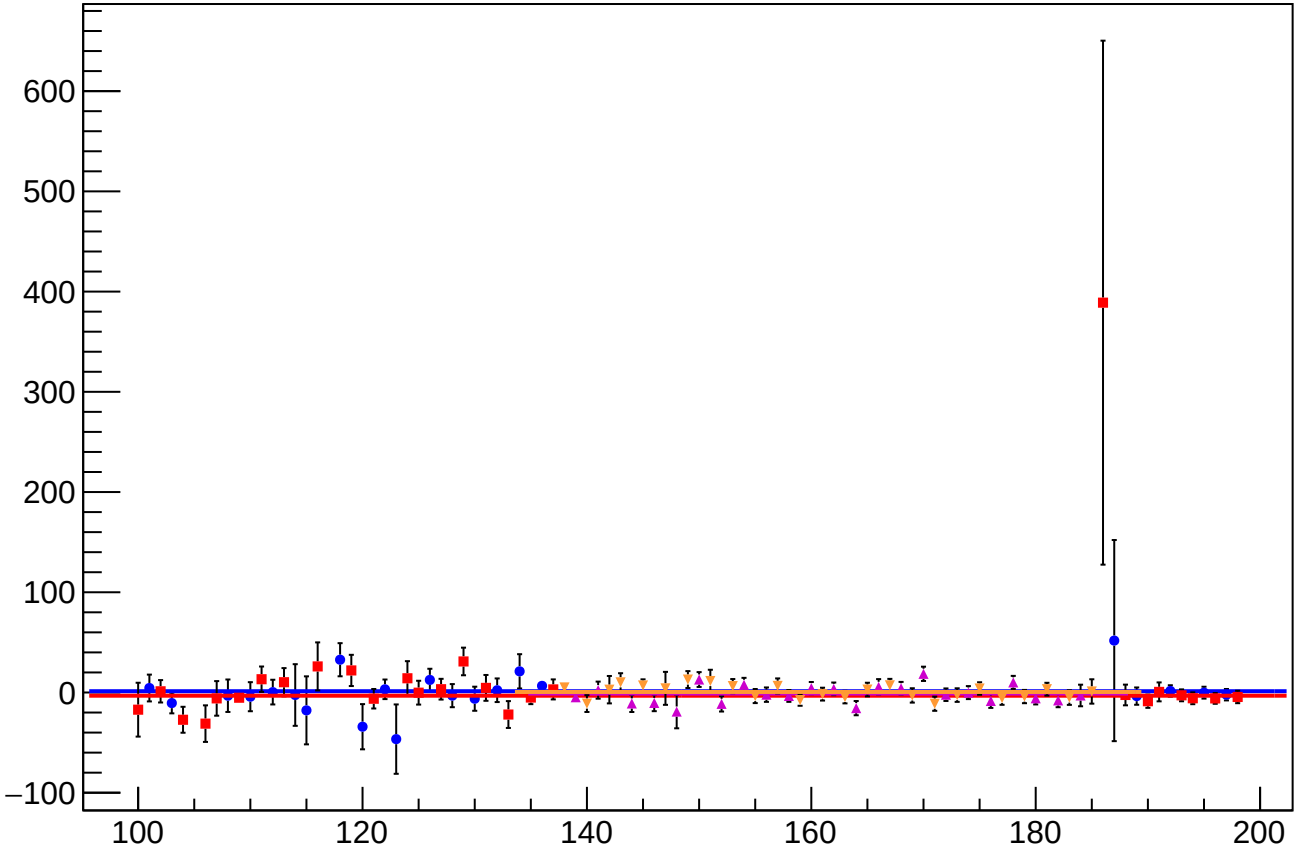
Right: 15506.934+/-2.490 χ^2/NDF: 4577732.5/48

In: 9509.803+/-1.356 χ^2/NDF:4887067.6/44

Out: 9693.050+/-1.317 χ^2/NDF:6734718.3/51

All: 9604.099+/-0.944 χ^2/NDF: 11631188.9/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.280+/-2.064 χ^2/NDF: 15.3/21

Left Out: 0.528+/-1.418 χ^2/NDF:19.5/24

Right Out: -3.206+/-1.745 χ^2/NDF: 27.3/26

Left In: -1.050+/-1.396 χ^2/NDF:32.5/22

Left: -0.273+/-0.995 χ^2/NDF: 52.6/47

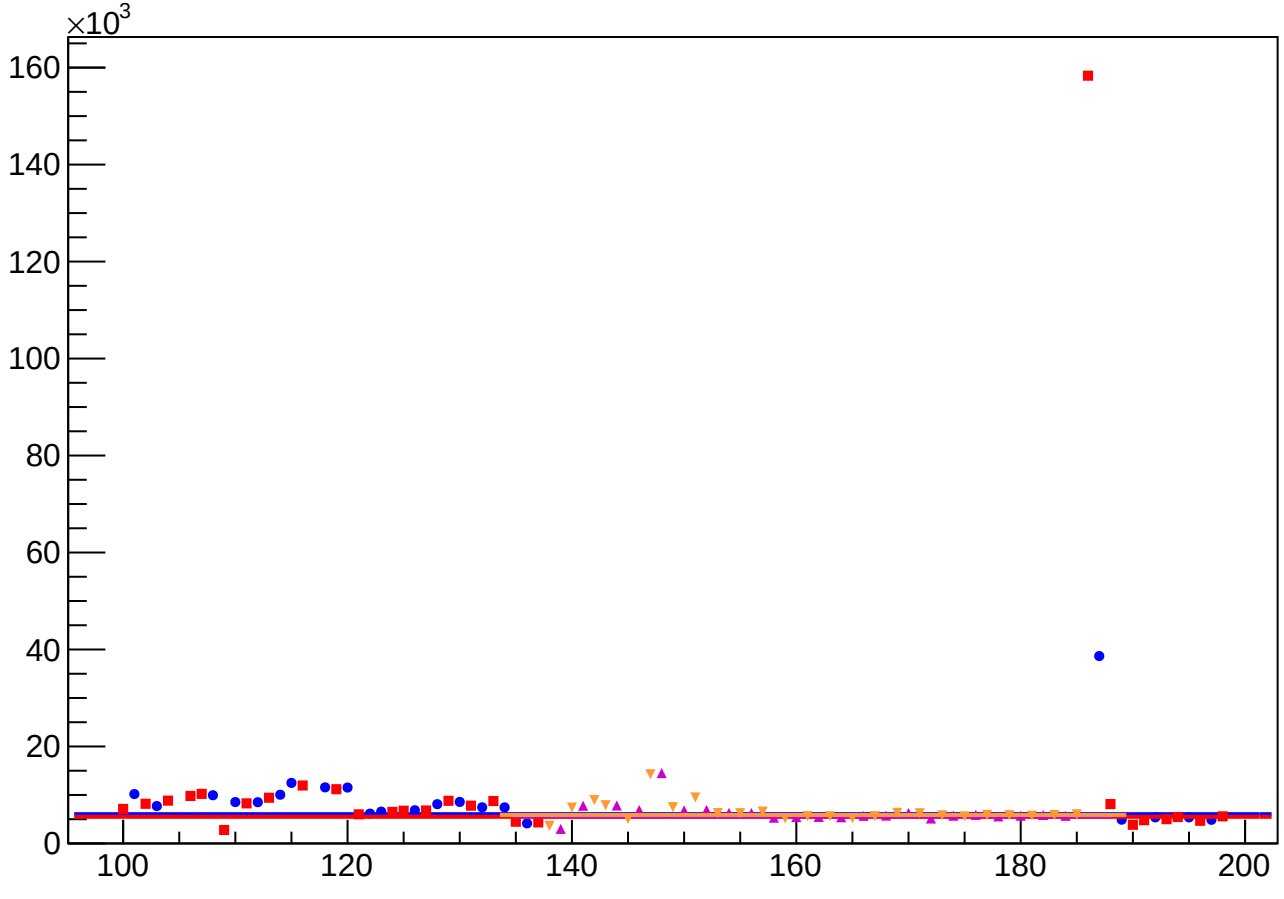
Right: -1.337+/-1.332 χ^2/NDF: 45.3/48

In: -0.319+/-1.156 χ^2/NDF:48.7/44

Out: -0.957+/-1.100 χ^2/NDF:49.5/51

All: -0.654+/-0.797 χ^2/NDF: 98.4/96

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6038.382+/-1.460 χ^2/NDF: 1886272.8/21

Left Out: 5860.605+/-1.002 χ^2/NDF:1690049.2/24

Right Out: 5492.995+/-1.234 χ^2/NDF: 3332961.9/26

Left In: 5571.330+/-0.987 χ^2/NDF:2162788.3/22

Left: 5713.698+/-0.703 χ^2/NDF: 3895130.2/47

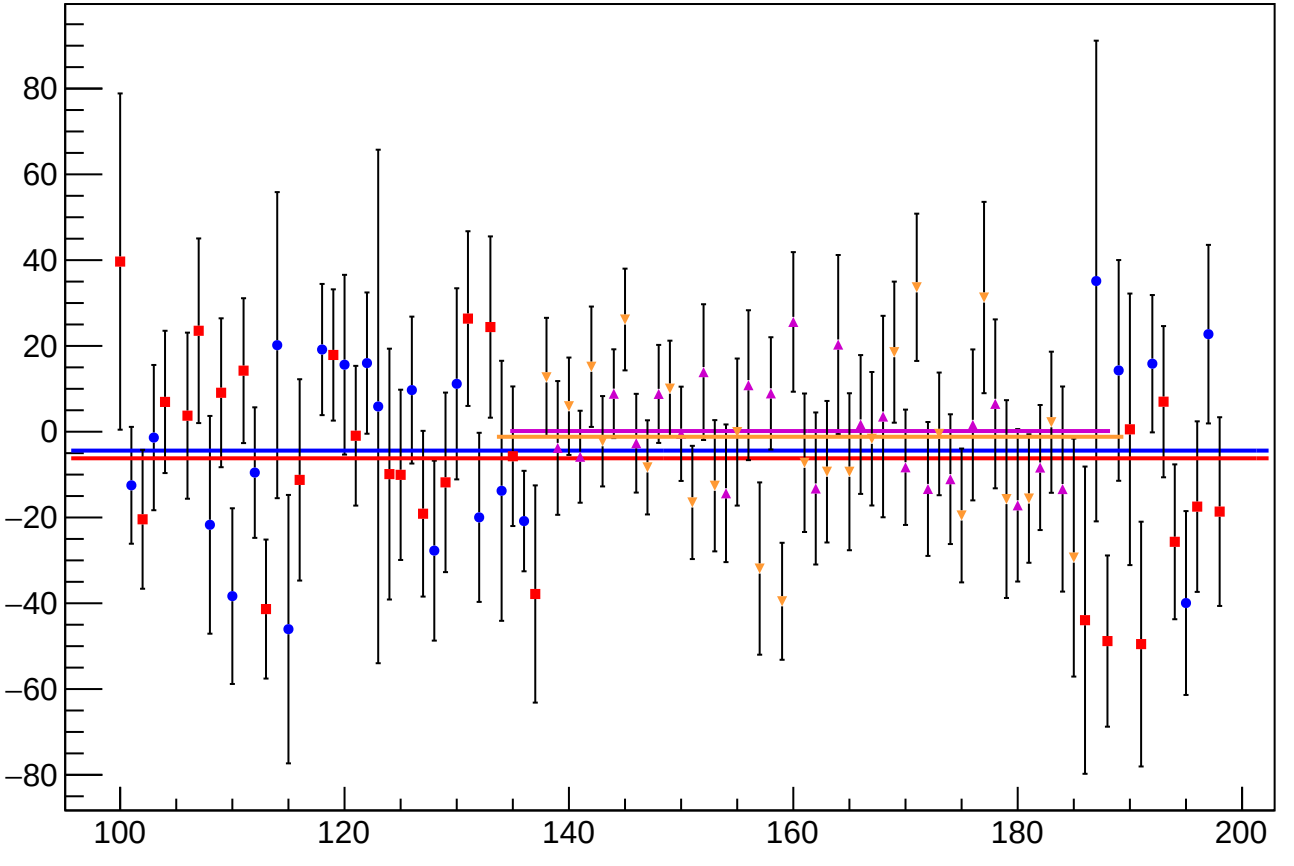
Right: 5720.238+/-0.942 χ^2/NDF: 5300674.6/48

In: 5717.836+/-0.818 χ^2/NDF:4119330.2/44

Out: 5714.409+/-0.778 χ^2/NDF:5076496.4/51

All: 5716.038+/-0.564 χ^2/NDF: 9195835.7/96

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.406+/-4.141 χ^2/NDF: 23.0/21

Left Out: -1.182+/-2.939 χ^2/NDF:33.7/24

Right Out: -6.202+/-3.822 χ^2/NDF: 31.7/26

Left In: 0.157+/-3.058 χ^2/NDF:11.5/22

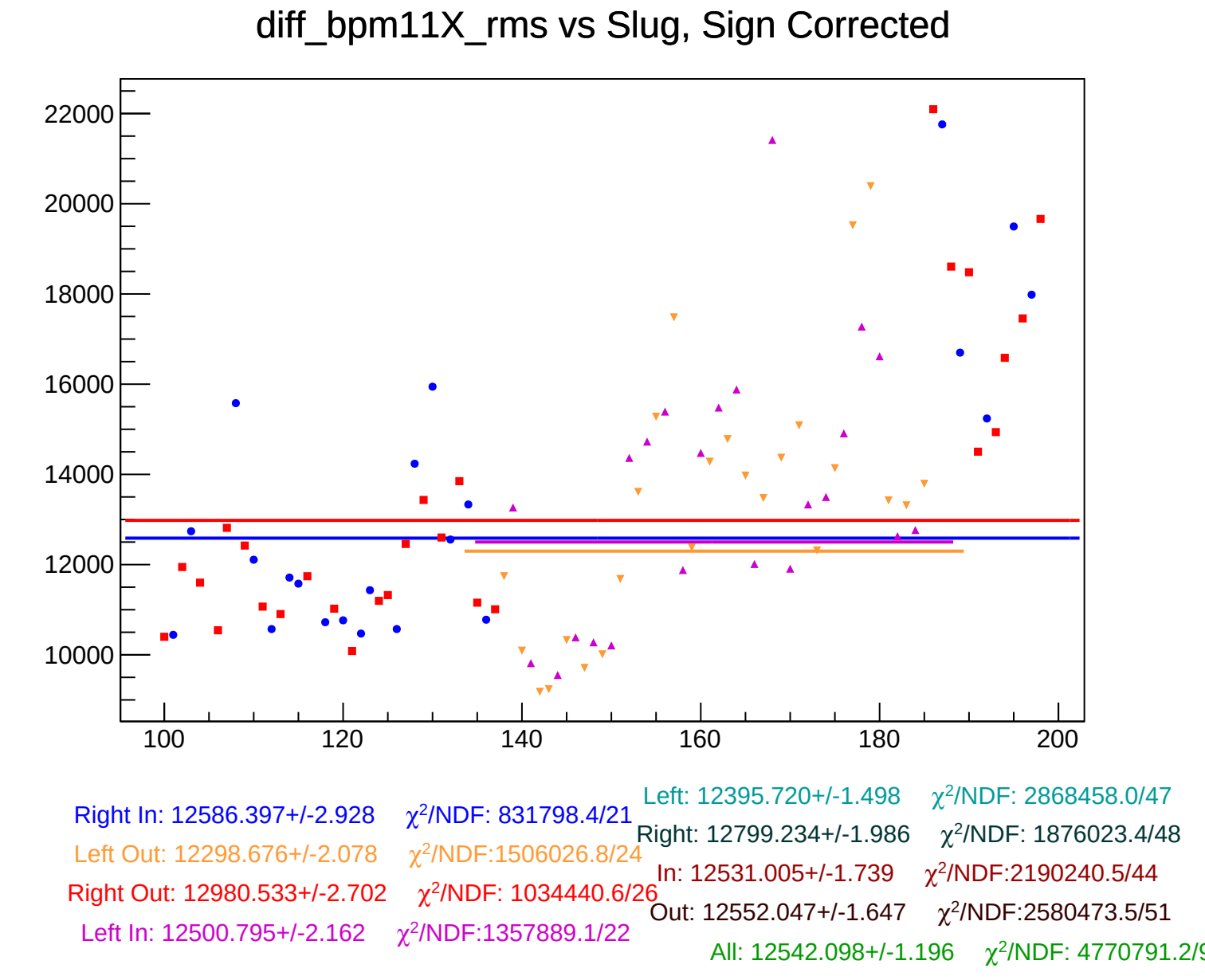
Left: -0.539+/-2.119 χ^2/NDF: 45.3/47

Right: -5.376+/-2.808 χ^2/NDF: 54.8/48

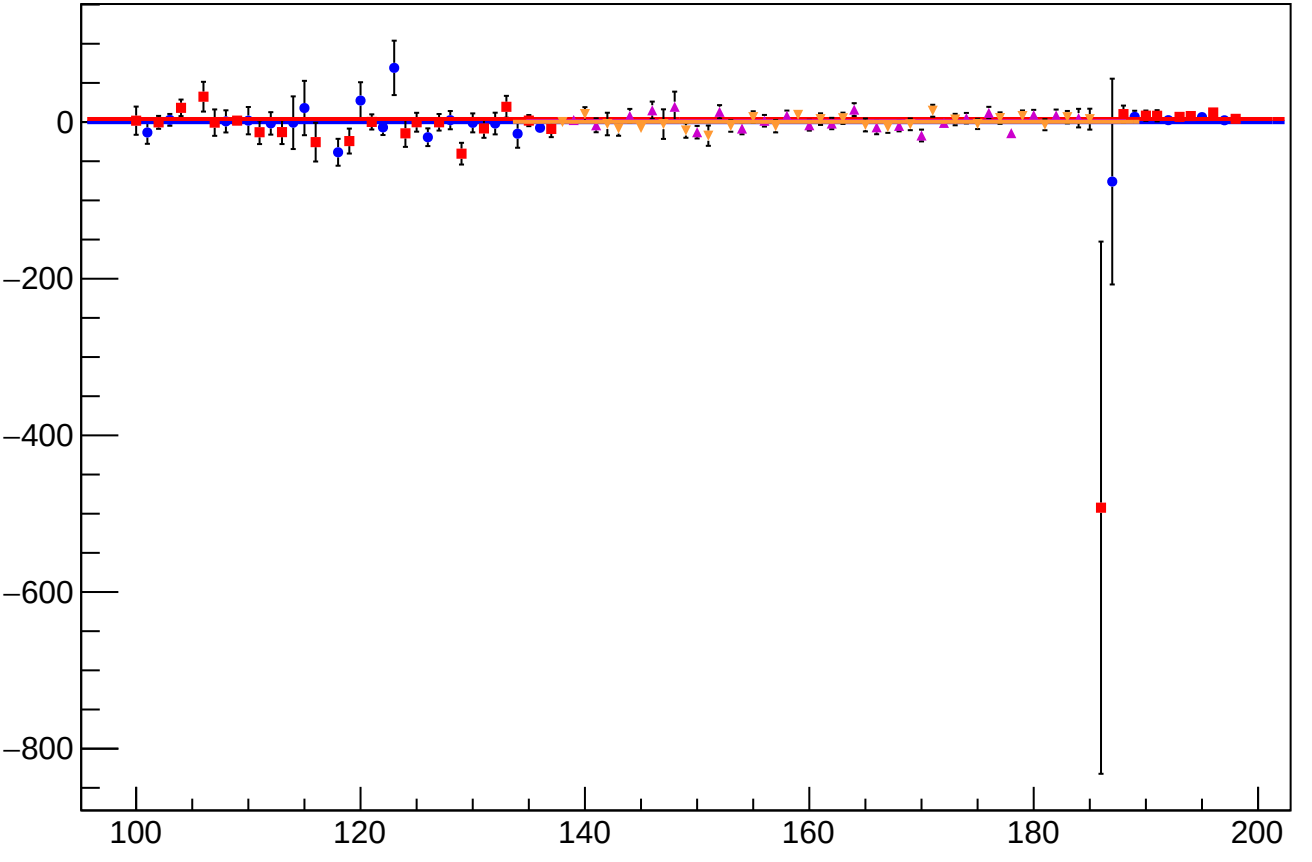
In: -1.453+/-2.460 χ^2/NDF:35.3/44

Out: -3.048+/-2.330 χ^2/NDF:66.5/51

All: -2.294+/-1.692 χ^2/NDF: 101.9/96


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12586.397+/-2.928 χ²/NDF: 831798.4/21
Left Out: 12298.676+/-2.078 χ²/NDF:1506026.8/24
Right Out: 12980.533+/-2.702 χ²/NDF: 1034440.6/26
Left In: 12500.795+/-2.162 χ²/NDF:1357889.1/22
Left: 12395.720+/-1.498 χ²/NDF: 2868458.0/47
Right: 12799.234+/-1.986 χ²/NDF: 1876023.4/48
In: 12531.005+/-1.739 χ²/NDF:2190240.5/44
Out: 12552.047+/-1.647 χ²/NDF:2580473.5/51
All: 12542.098+/-1.196 χ²/NDF: 4770791.2/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.146+/-1.902 χ^2/NDF: 21.4/21

Left Out: 0.353+/-1.433 χ^2/NDF:19.1/24

Right Out: 3.941+/-1.606 χ^2/NDF: 34.0/26

Left In: 1.165+/-1.371 χ^2/NDF:33.6/22

Left: 0.777+/-0.991 χ^2/NDF: 52.9/47

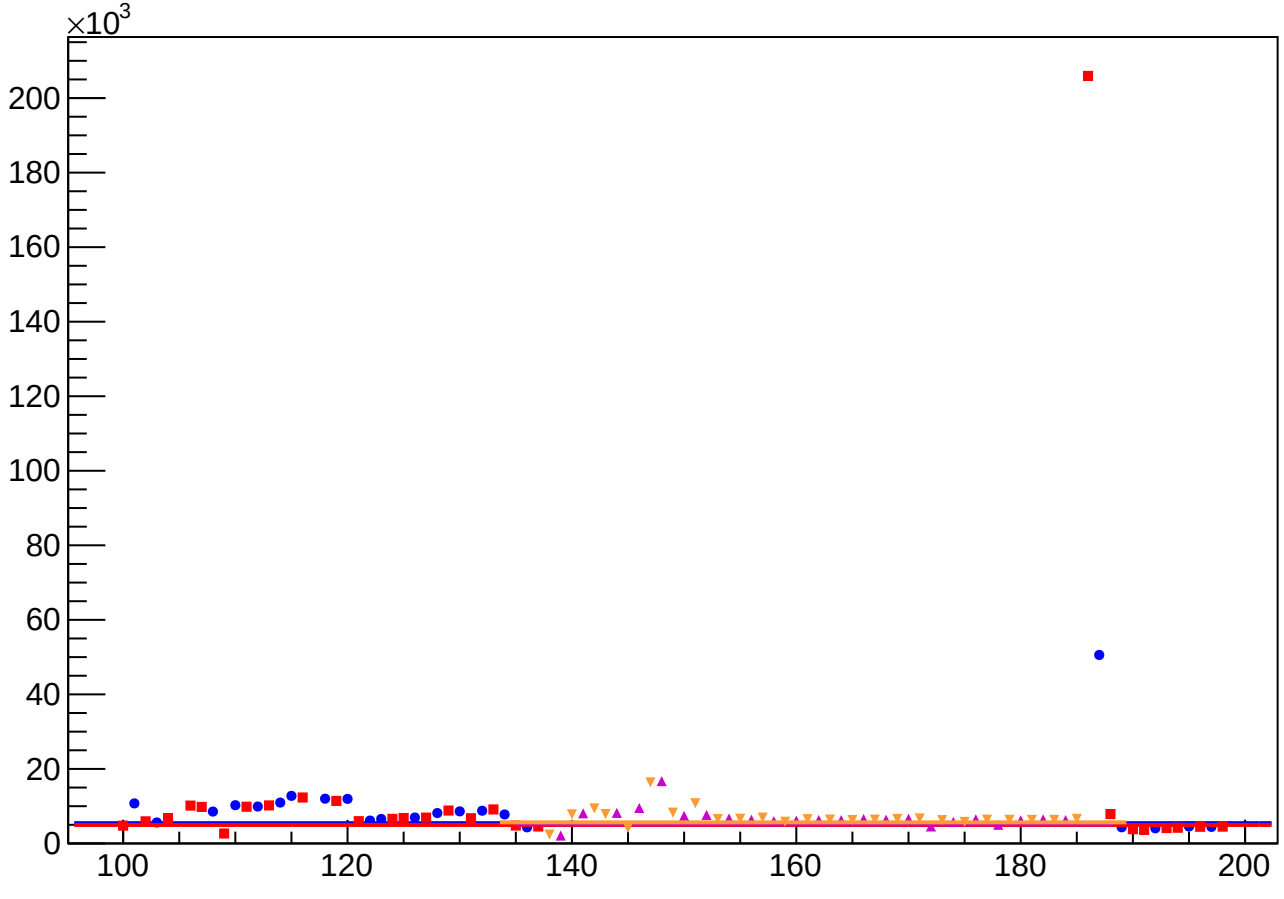
Right: 2.240+/-1.227 χ^2/NDF: 58.1/48

In: 0.717+/-1.112 χ^2/NDF:55.3/44

Out: 1.944+/-1.069 χ^2/NDF:55.9/51

All: 1.354+/-0.771 χ^2/NDF: 111.8/96

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5444.313+/-1.345 χ^2/NDF: 2480124.1/21

Left Out: 5659.441+/-1.014 χ^2/NDF:4128583.6/24

Right Out: 4965.030+/-1.136 χ^2/NDF: 3493196.7/26

Left In: 5137.772+/-0.970 χ^2/NDF:5495609.7/22

Left: 5387.078+/-0.701 χ^2/NDF: 9762498.7/47

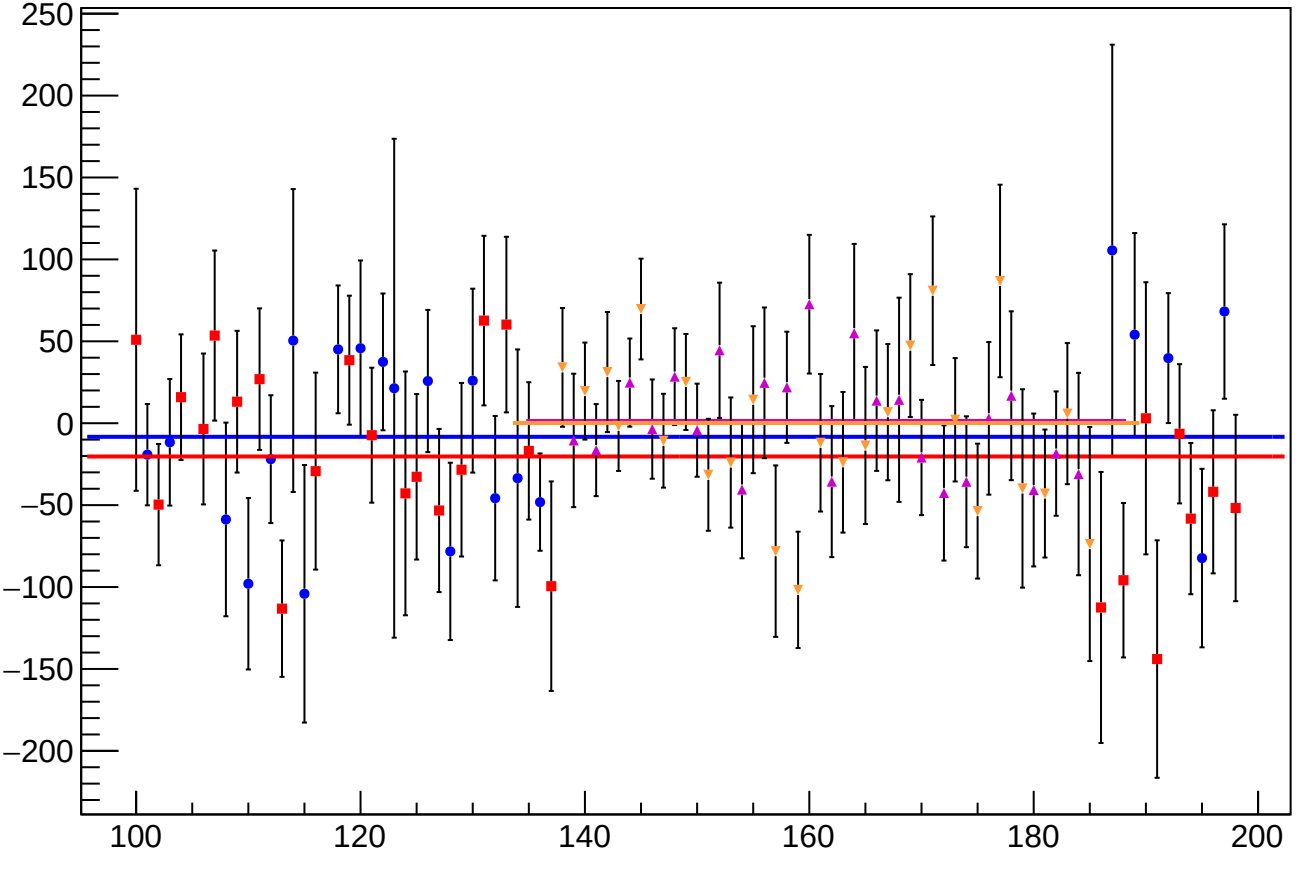
Right: 5164.513+/-0.868 χ^2/NDF: 6047446.0/48

In: 5242.612+/-0.787 χ^2/NDF:8009910.1/44

Out: 5351.570+/-0.756 χ^2/NDF:7829884.1/51

All: 5299.237+/-0.545 χ^2/NDF: 15849765.7/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -8.300+/-10.284 χ^2/NDF: 22.3/21

Left Out: 0.143+/-7.683 χ^2/NDF:31.3/24

Right Out: -20.316+/-9.508 χ^2/NDF: 28.4/26

Left In: 1.374+/-7.990 χ^2/NDF:13.3/22

Left: 0.734+/-5.538 χ^2/NDF: 44.6/47

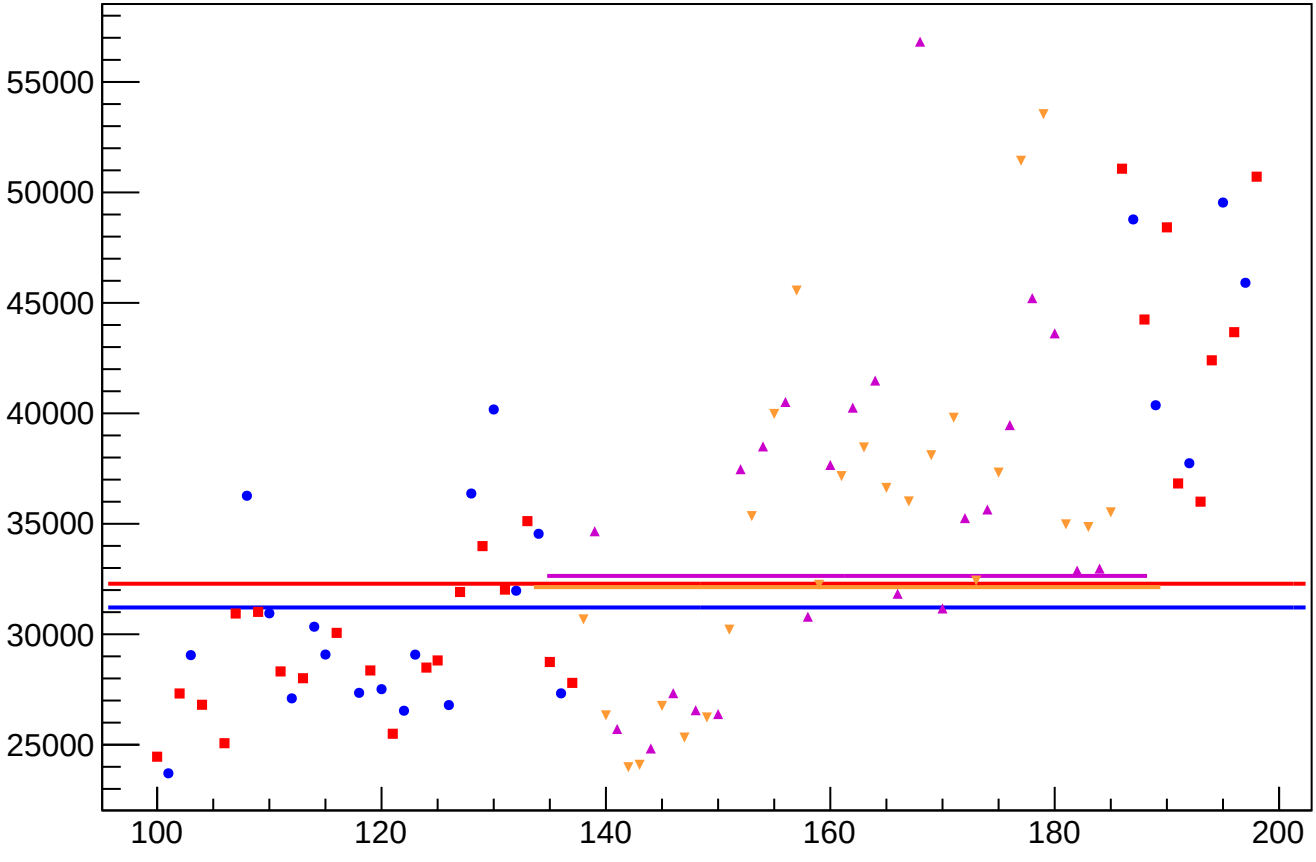
Right: -14.778+/-6.981 χ^2/NDF: 51.4/48

In: -2.268+/-6.310 χ^2/NDF:36.1/44

Out: -7.940+/-5.976 χ^2/NDF:62.5/51

All: -5.258+/-4.339 χ^2/NDF: 99.1/96

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 31213.098+/-7.272 χ^2/NDF: 861105.8/21

Left Out: 32132.314+/-5.433 χ^2/NDF:1540079.4/24

Right Out: 32287.563+/-6.723 χ^2/NDF: 1045955.2/26

Left In: 32641.162+/-5.650 χ^2/NDF:1402162.4/22

Left: 32376.774+/-3.916 χ^2/NDF: 2946456.2/47

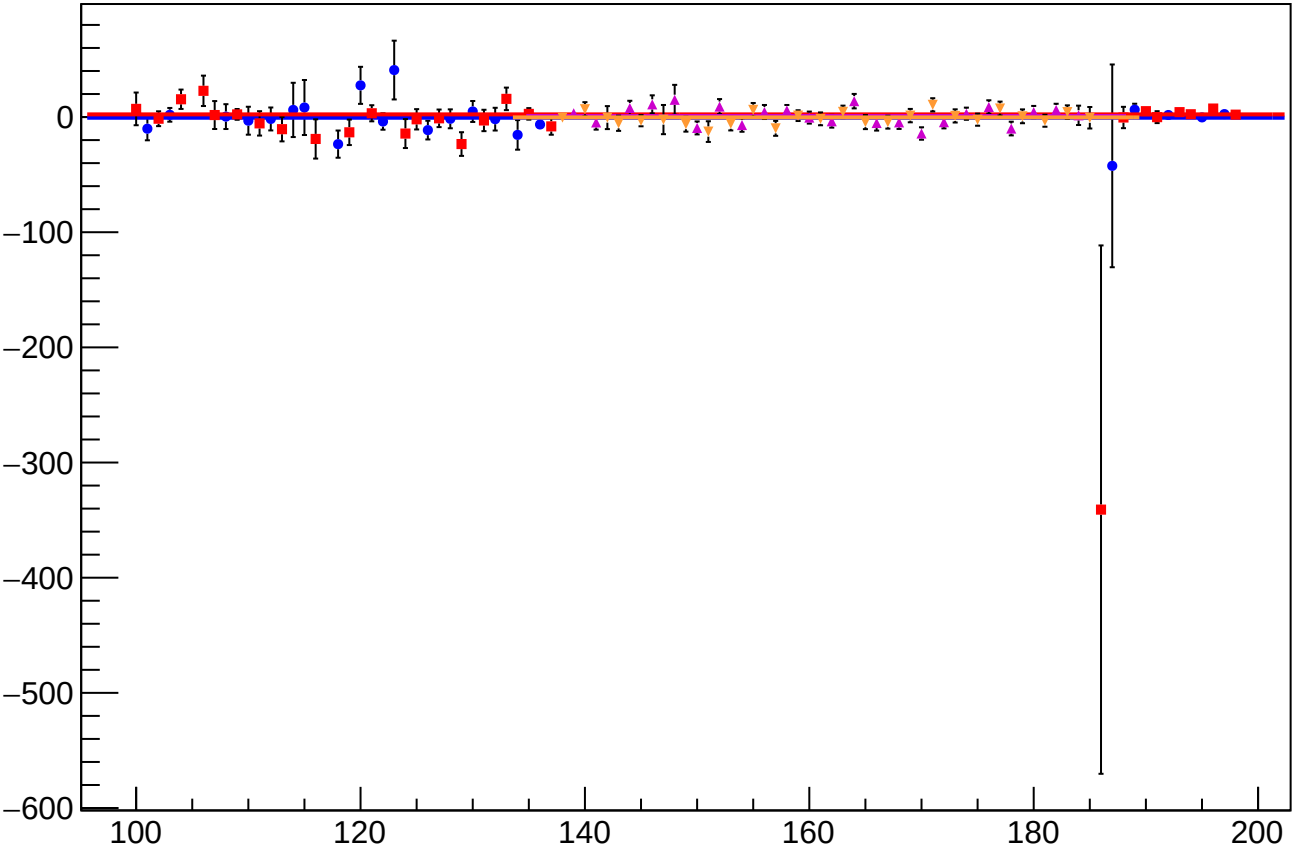
Right: 31792.385+/-4.936 χ^2/NDF: 1918832.5/48

In: 32103.563+/-4.462 χ^2/NDF:2287318.0/44

Out: 32193.646+/-4.226 χ^2/NDF:2586357.2/51

All: 32151.049+/-3.068 χ^2/NDF: 4873890.1/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.593+/-1.321 χ^2/NDF: 21.1/21

Left Out: -0.312+/-1.172 χ^2/NDF:17.6/24

Right Out: 2.325+/-1.158 χ^2/NDF: 29.5/26

Left In: 0.908+/-1.142 χ^2/NDF:36.2/22

Left: 0.313+/-0.818 χ^2/NDF: 54.4/47

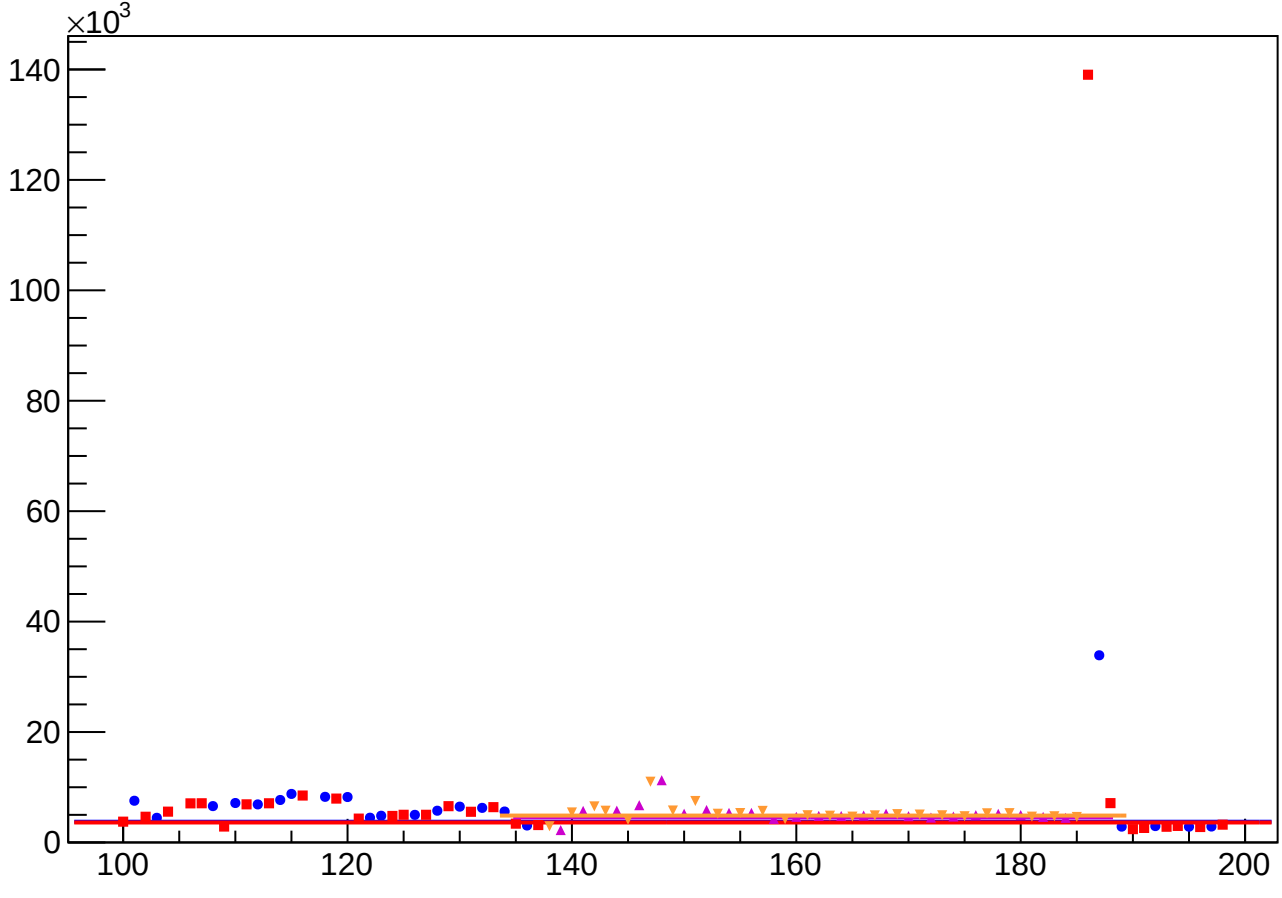
Right: 1.056+/-0.871 χ^2/NDF: 53.3/48

In: 0.265+/-0.864 χ^2/NDF:58.0/44

Out: 1.021+/-0.824 χ^2/NDF:49.7/51

All: 0.661+/-0.596 χ^2/NDF: 108.1/96

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3755.082+/-0.934 χ^2/NDF: 2733807.4/21

Left Out: 4868.567+/-0.829 χ^2/NDF:1511151.0/24

Right Out: 3616.557+/-0.819 χ^2/NDF: 3532778.6/26

Left In: 4544.337+/-0.808 χ^2/NDF:2634314.4/22

Left: 4702.320+/-0.578 χ^2/NDF: 4223993.0/47

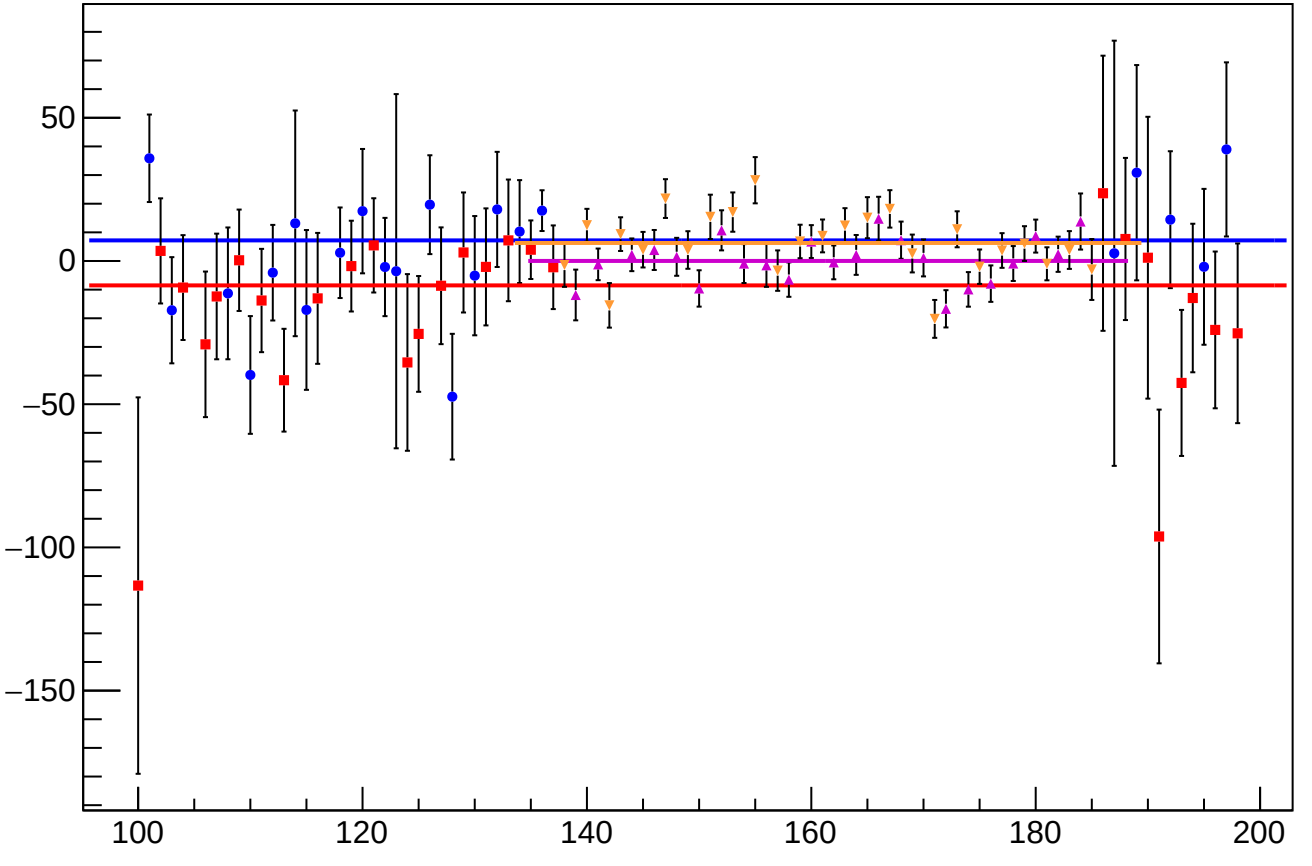
Right: 3676.795+/-0.616 χ^2/NDF: 6279022.8/48

In: 4206.582+/-0.611 χ^2/NDF:5776793.6/44

Out: 4235.428+/-0.582 χ^2/NDF:6198763.9/51

All: 4221.690+/-0.422 χ^2/NDF: 11976725.4/9

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.193+/-3.925 χ^2/NDF: 24.2/21

Left Out: 6.296+/-1.310 χ^2/NDF:56.5/24

Right Out: -8.518+/-3.959 χ^2/NDF: 19.6/26

Left In: 0.020+/-1.353 χ^2/NDF:29.9/22

Left: 3.259+/-0.941 χ^2/NDF: 97.5/47

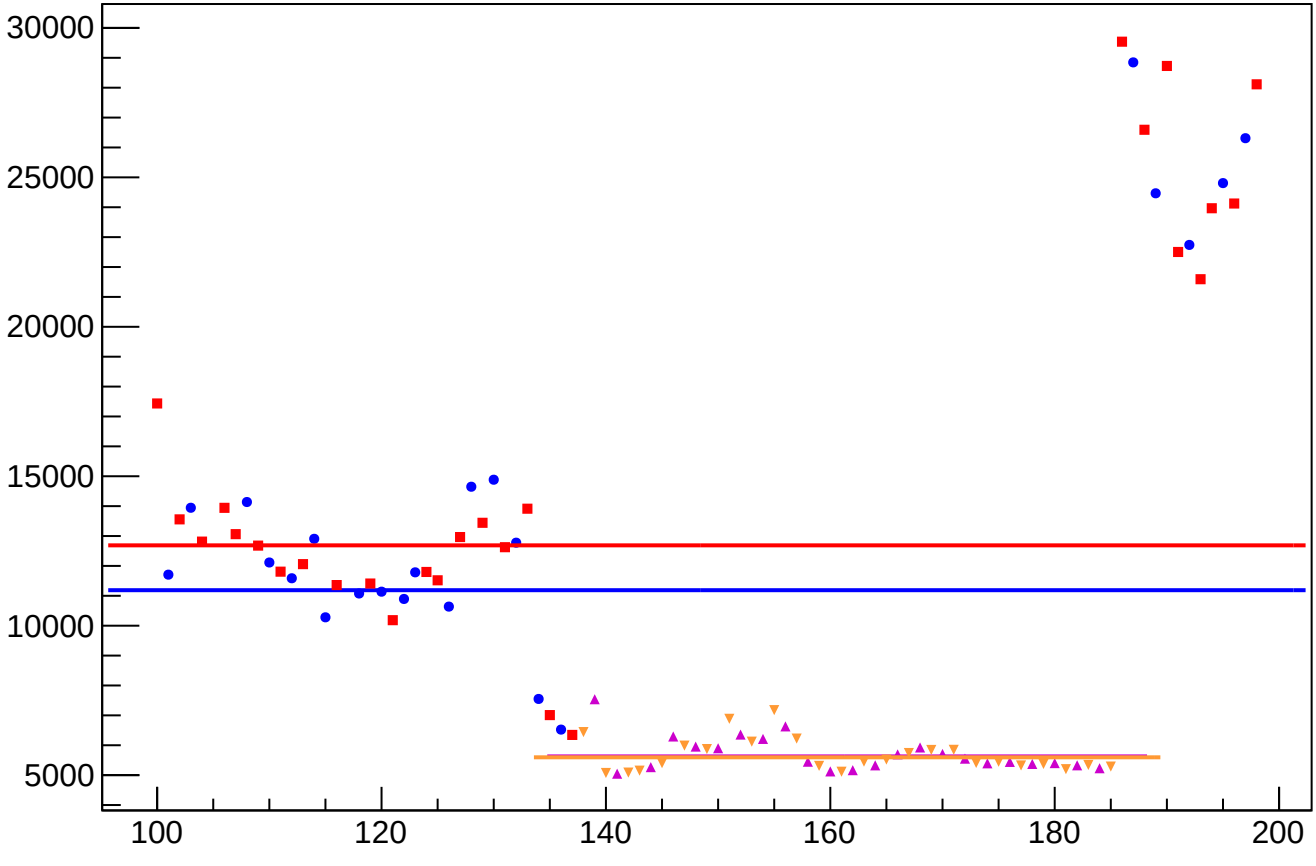
Right: -0.596+/-2.787 χ^2/NDF: 51.7/48

In: 0.782+/-1.279 χ^2/NDF:57.1/44

Out: 4.833+/-1.244 χ^2/NDF:88.7/51

All: 2.864+/-0.892 χ^2/NDF: 151.0/96

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11187.712+/-2.776 χ^2/NDF: 2986867.1/21

Left Out: 5596.370+/-0.926 χ^2/NDF:283998.1/24

Right Out: 12688.216+/-2.799 χ^2/NDF: 3600908.2/26

Left In: 5627.283+/-0.957 χ^2/NDF:279318.7/22

Left: 5611.329+/-0.666 χ^2/NDF: 563855.6/47

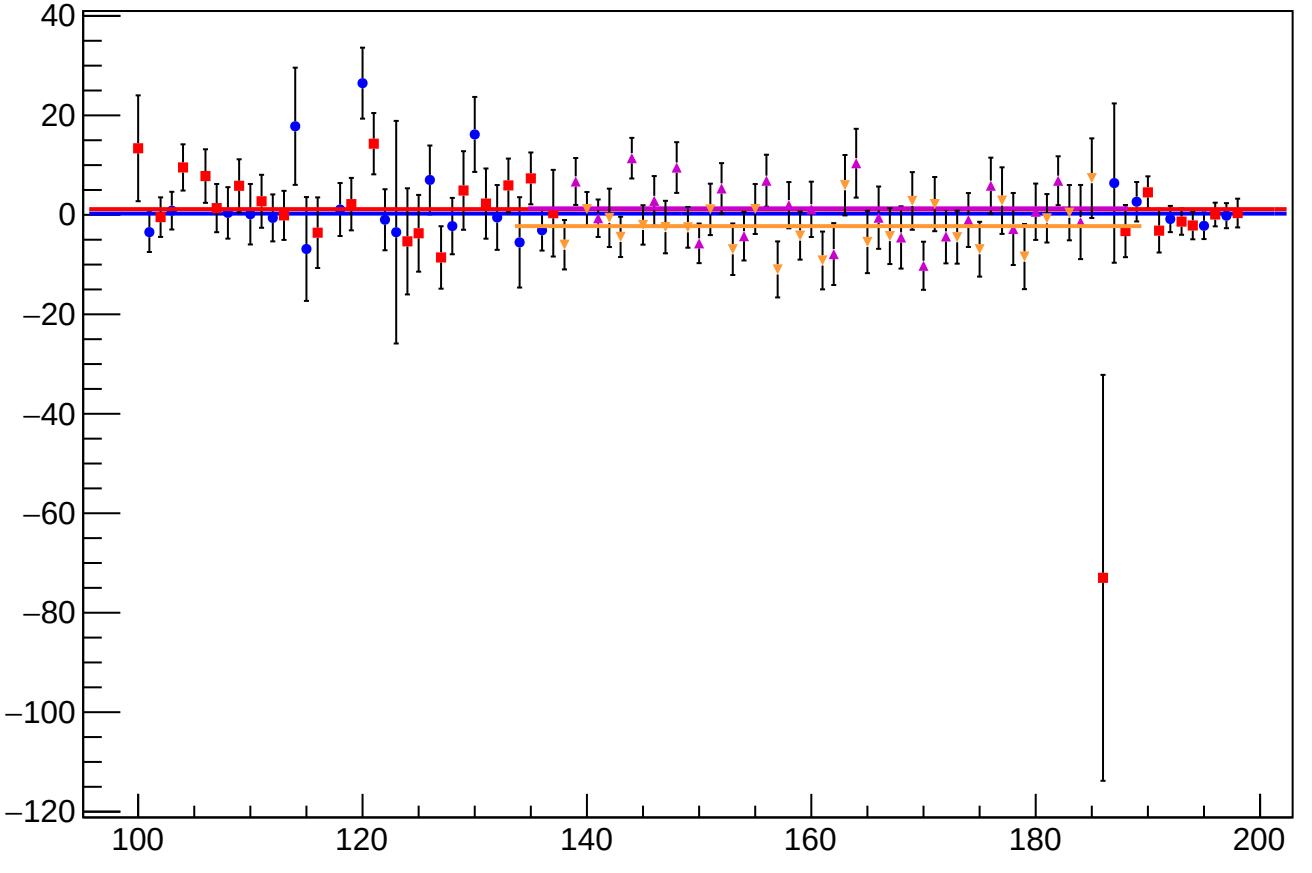
Right: 11931.620+/-1.971 χ^2/NDF: 6732657.1/48

In: 6217.791+/-0.905 χ^2/NDF:6853053.7/44

Out: 6296.479+/-0.880 χ^2/NDF:9669739.2/51

All: 6258.238+/-0.631 χ^2/NDF: 16526682.8/9

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 0.251+/-0.992 χ^2/NDF: 25.5/21

Left Out: -2.268+/-1.029 χ^2/NDF:15.4/24

Right Out: 1.148+/-0.873 χ^2/NDF: 26.5/26

Left In: 1.305+/-1.077 χ^2/NDF:30.8/22

Left: -0.562+/-0.744 χ^2/NDF: 51.9/47

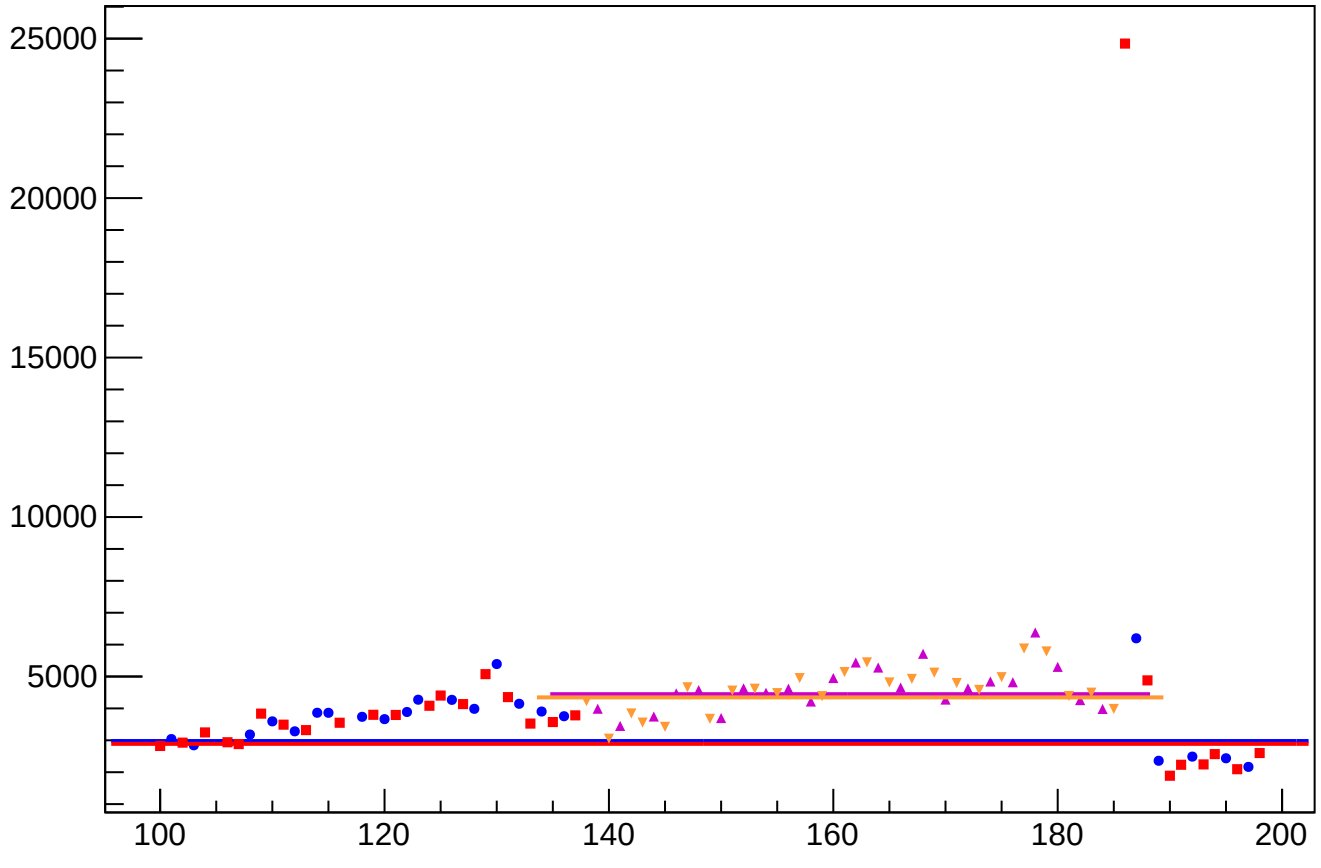
Right: 0.757+/-0.655 χ^2/NDF: 52.4/48

In: 0.735+/-0.730 χ^2/NDF:56.8/44

Out: -0.280+/-0.666 χ^2/NDF:48.2/51

All: 0.181+/-0.492 χ^2/NDF: 106.1/96

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2976.972+/-0.702 χ^2/NDF: 1153393.0/21

Left Out: 4345.381+/-0.728 χ^2/NDF:1000636.1/24

Right Out: 2889.016+/-0.617 χ^2/NDF: 2231610.5/26

Left In: 4446.181+/-0.762 χ^2/NDF:702797.6/22

Left: 4393.504+/-0.526 χ^2/NDF: 1712588.4/47

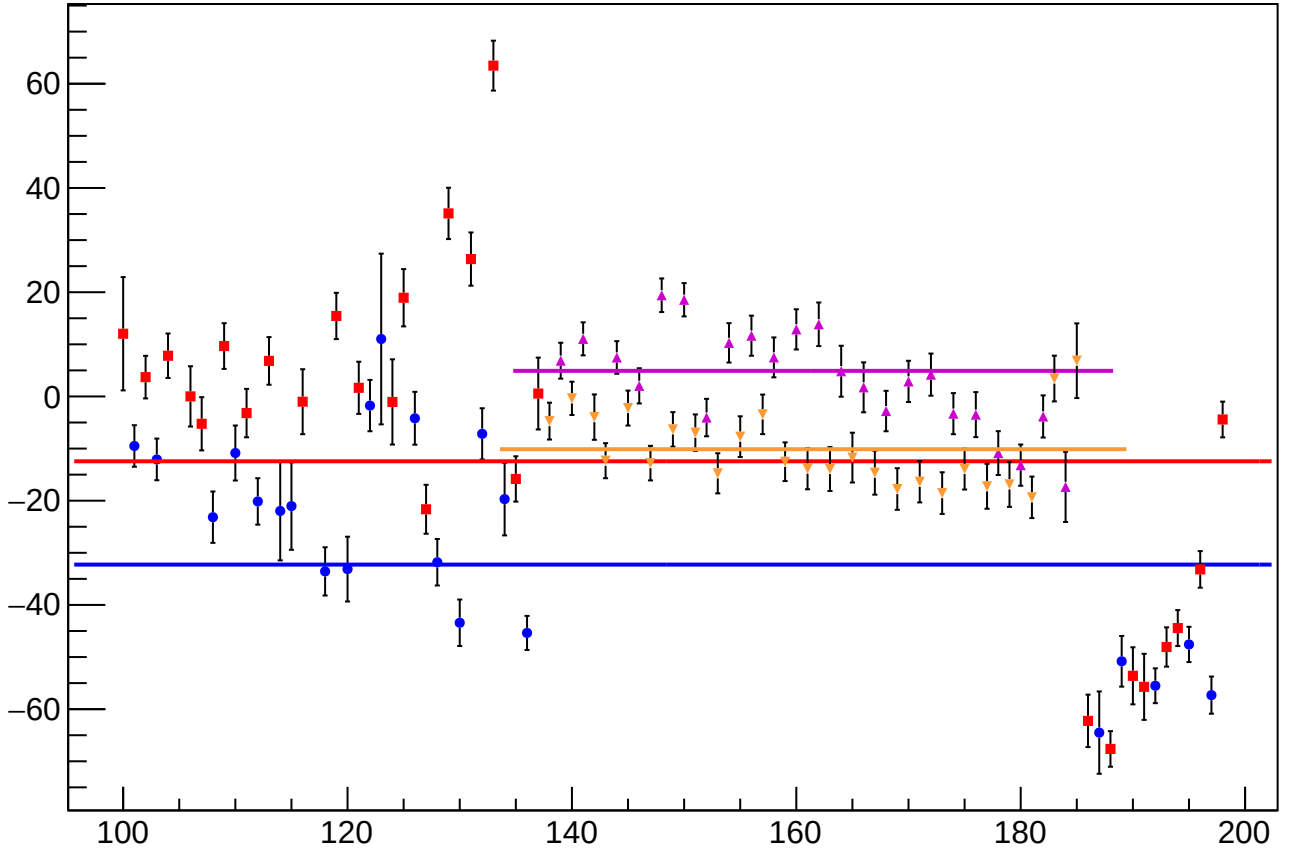
Right: 2927.376+/-0.463 χ^2/NDF: 3393863.6/48

In: 3651.518+/-0.516 χ^2/NDF:3869090.1/44

Out: 3498.002+/-0.471 χ^2/NDF:5561294.4/51

All: 3567.722+/-0.348 χ^2/NDF: 9478690.8/96

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -32.263+/-0.997 χ^2/NDF: 365.7/21

Left Out: -10.125+/-0.775 χ^2/NDF:67.9/24

Right Out: -12.439+/-0.895 χ^2/NDF: 1270.6/26

Left In: 4.911+/-0.797 χ^2/NDF:127.9/22

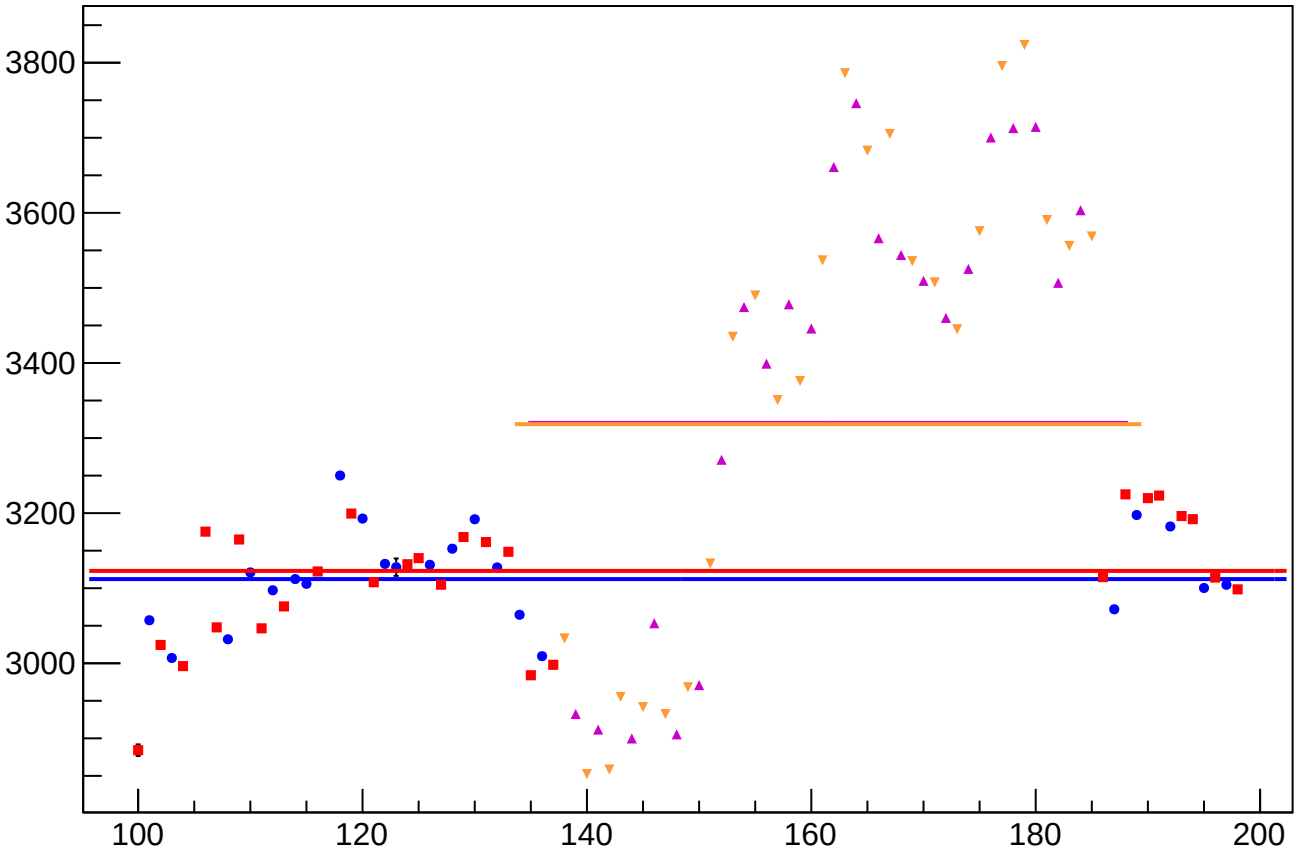
Left: -2.814+/-0.556 χ^2/NDF: 378.7/47

Right: -21.280+/-0.666 χ^2/NDF: 1855.2/48

In: -9.579+/-0.623 χ^2/NDF:1341.4/44

Out: -11.117+/-0.586 χ^2/NDF:1342.4/51

All: -10.395+/-0.427 χ^2/NDF: 2687.0/96



Right In: 3112.156+/-0.705 χ^2/NDF: 8974.4/21

Left Out: 3318.506+/-0.548 χ^2/NDF:337694.2/24

Right Out: 3123.060+/-0.633 χ^2/NDF: 13719.2/26

Left In: 3320.170+/-0.564 χ^2/NDF:287634.9/22

Left: 3319.315+/-0.393 χ^2/NDF: 625333.6/47

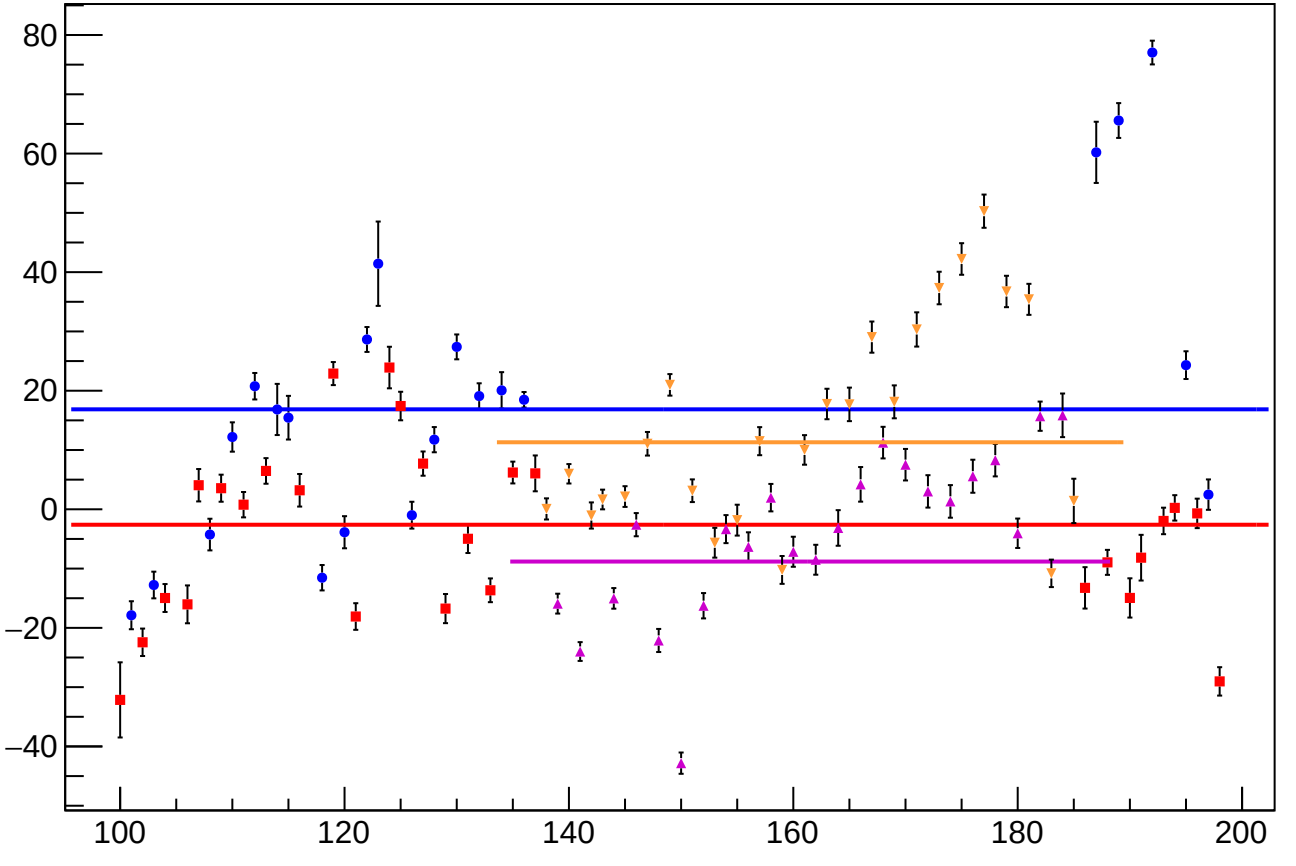
Right: 3118.197+/-0.471 χ^2/NDF: 22826.1/48

In: 3239.088+/-0.440 χ^2/NDF:349696.7/44

Out: 3234.678+/-0.414 χ^2/NDF:405905.3/51

All: 3236.749+/-0.302 χ^2/NDF: 755655.2/96

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.861+/-0.507 χ^2/NDF: 2123.7/21

Left Out: 11.305+/-0.454 χ^2/NDF:1144.3/24

Right Out: -2.605+/-0.469 χ^2/NDF: 803.8/26

Left In: -8.815+/-0.475 χ^2/NDF:942.2/22

Left: 1.711+/-0.328 χ^2/NDF: 3023.6/47

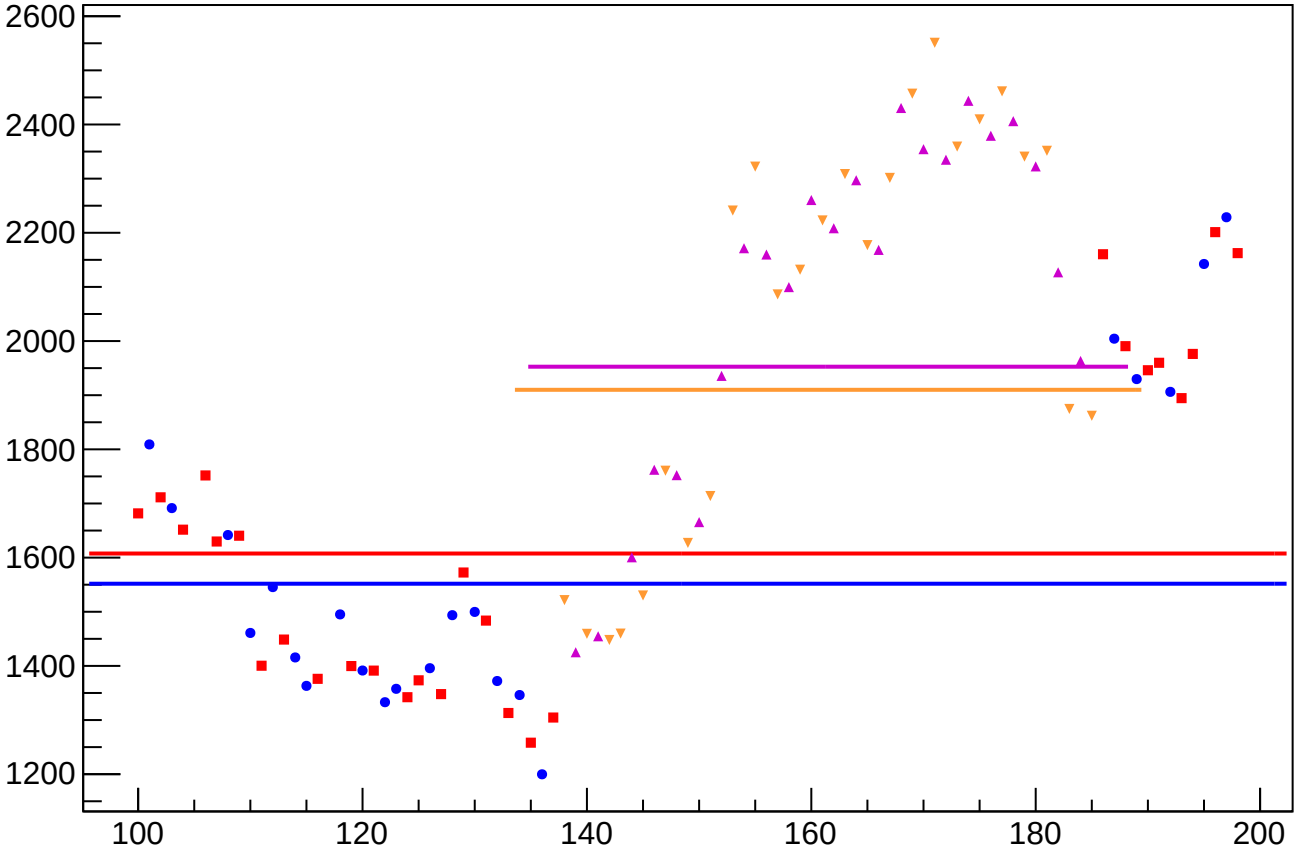
Right: 6.375+/-0.344 χ^2/NDF: 3722.8/48

In: 3.207+/-0.347 χ^2/NDF:4431.9/44

Out: 4.575+/-0.326 χ^2/NDF:2402.5/51

All: 3.933+/-0.238 χ^2/NDF: 6842.6/96

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1551.793+/-0.358 χ^2/NDF: 633306.2/21

Left Out: 1909.963+/-0.321 χ^2/NDF:1399467.7/24

Right Out: 1607.574+/-0.331 χ^2/NDF: 766106.5/26

Left In: 1952.637+/-0.336 χ^2/NDF:1065333.8/22

Left: 1930.313+/-0.232 χ^2/NDF: 2473233.3/47

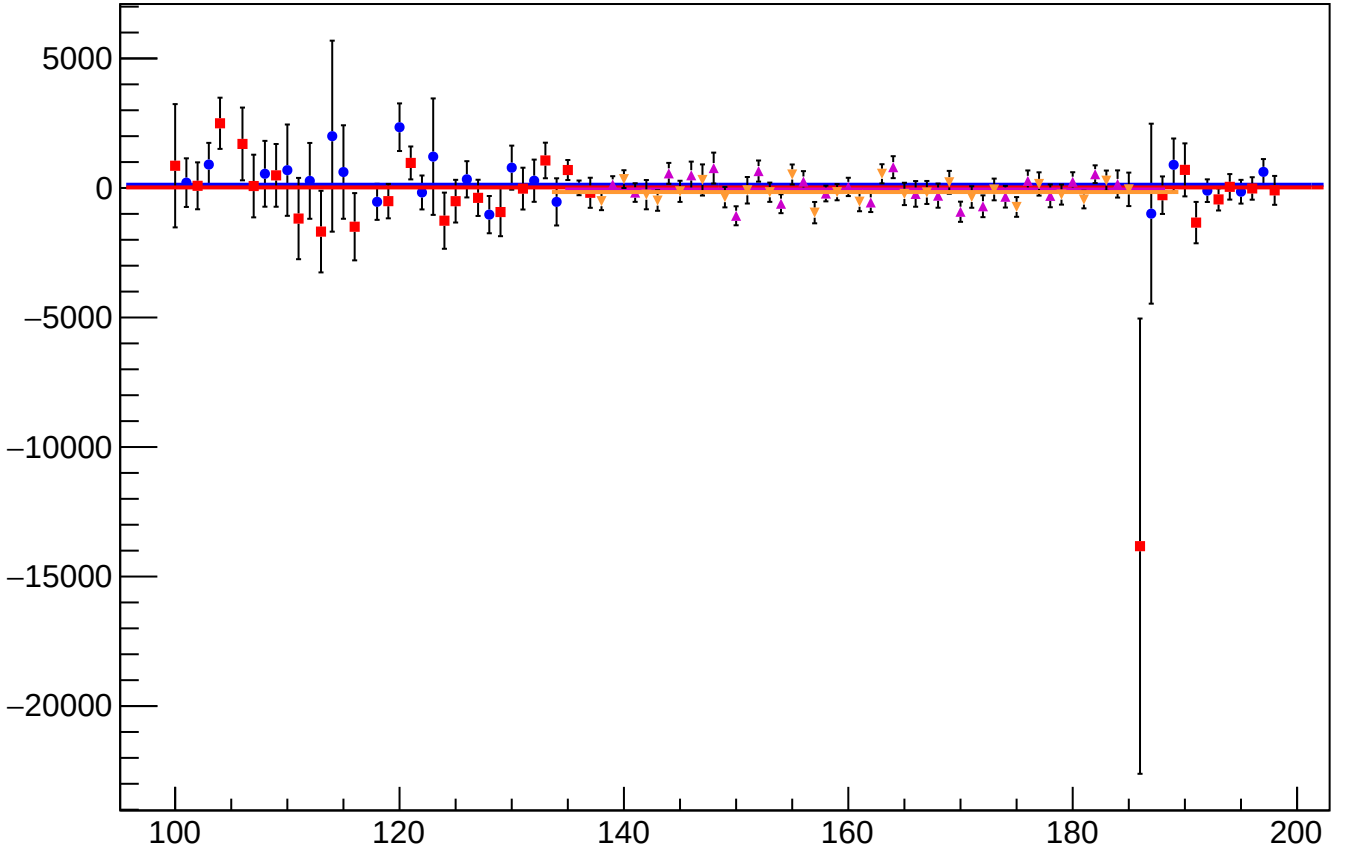
Right: 1581.843+/-0.243 χ^2/NDF: 1412474.6/48

In: 1764.956+/-0.245 χ^2/NDF:2364474.1/44

Out: 1763.664+/-0.231 χ^2/NDF:2595123.6/51

All: 1764.271+/-0.168 χ^2/NDF: 4959612.5/96

asym_sam1_mean vs Slug, Sign Corrected



Right In: 125.220+/-147.804 χ^2/NDF: 14.9/21

Left Out: -157.242+/-80.796 χ^2/NDF:22.0/24

Right Out: 21.496+/-138.896 χ^2/NDF: 29.8/26

Left In: -58.934+/-82.584 χ^2/NDF:38.5/22

Left: -109.164+/-57.753 χ^2/NDF: 61.3/47

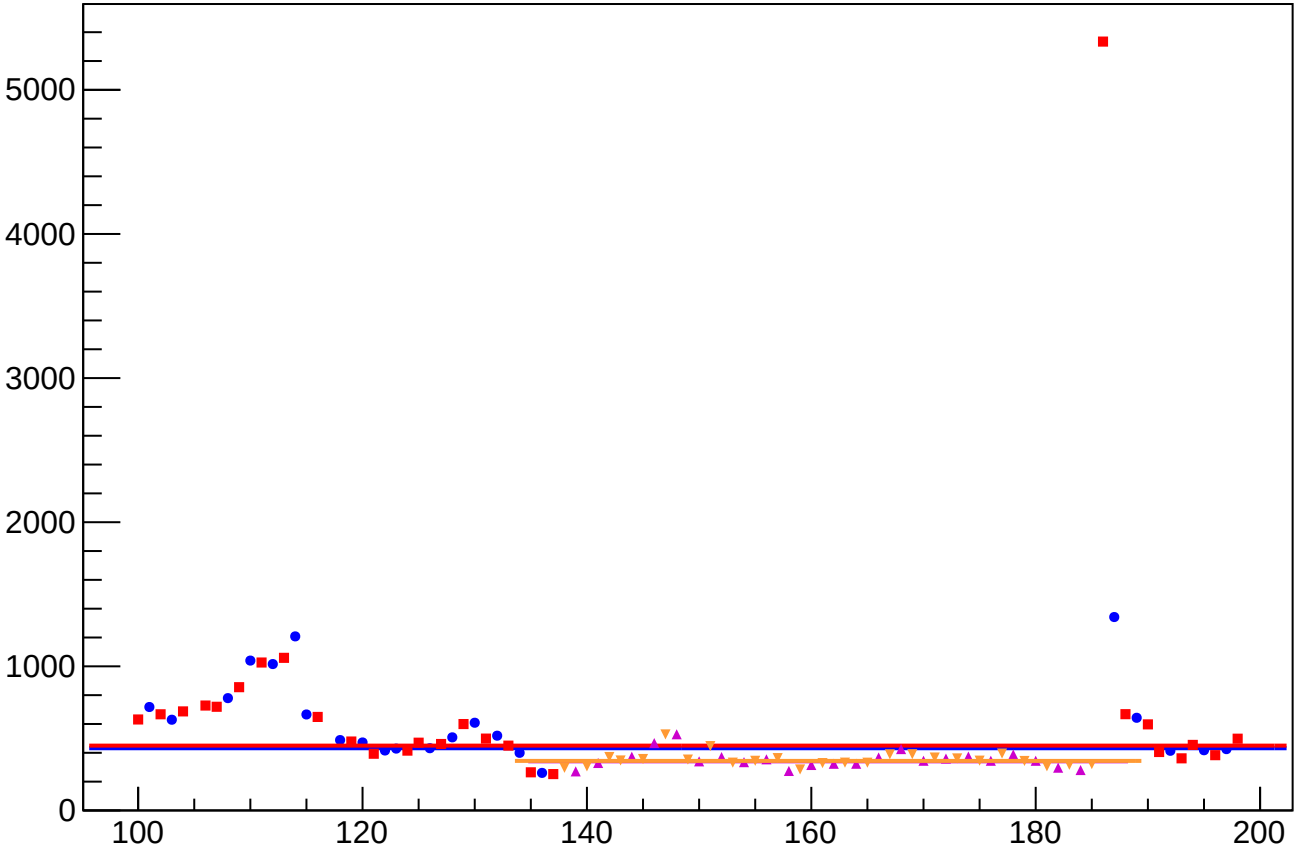
Right: 70.138+/-101.217 χ^2/NDF: 45.0/48

In: -15.120+/-72.094 χ^2/NDF:54.6/44

Out: -112.053+/-69.839 χ^2/NDF:53.1/51

All: -65.126+/-50.162 χ^2/NDF: 108.6/96

asym_sam1_rms vs Slug, Sign Corrected



Right In: 431.607+/-0.105 χ^2/NDF: 2236779.6/21

Left Out: 343.807+/-0.057 χ^2/NDF:539431.0/24

Right Out: 449.868+/-0.098 χ^2/NDF: 3027181.2/26

Left In: 340.876+/-0.058 χ^2/NDF:724672.0/22

Left: 342.374+/-0.041 χ^2/NDF: 1265389.7/47

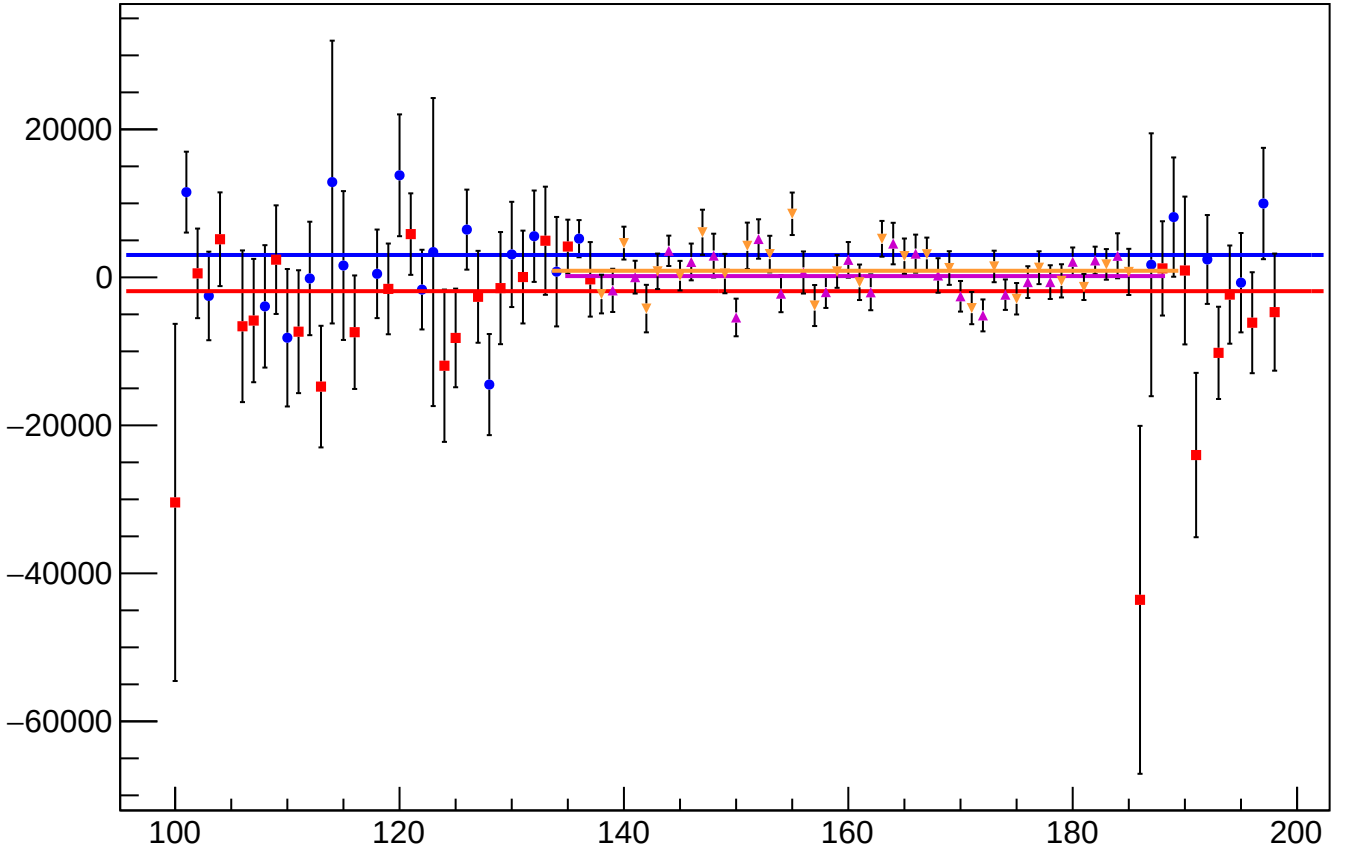
Right: 441.304+/-0.072 χ^2/NDF: 5280173.1/48

In: 362.463+/-0.051 χ^2/NDF:3535789.2/44

Out: 370.622+/-0.049 χ^2/NDF:4437952.8/51

All: 366.672+/-0.035 χ^2/NDF: 7986957.0/96

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3025.017+/-1334.811 χ^2/NDF: 18.1/21

Left Out: 890.395+/-473.262 χ^2/NDF:38.0/24

Right Out: -1865.826+/-1327.397 χ^2/NDF: 24.4/26

Left In: 172.391+/-488.067 χ^2/NDF:33.2/22

Left: 542.448+/-339.760 χ^2/NDF: 72.3/47

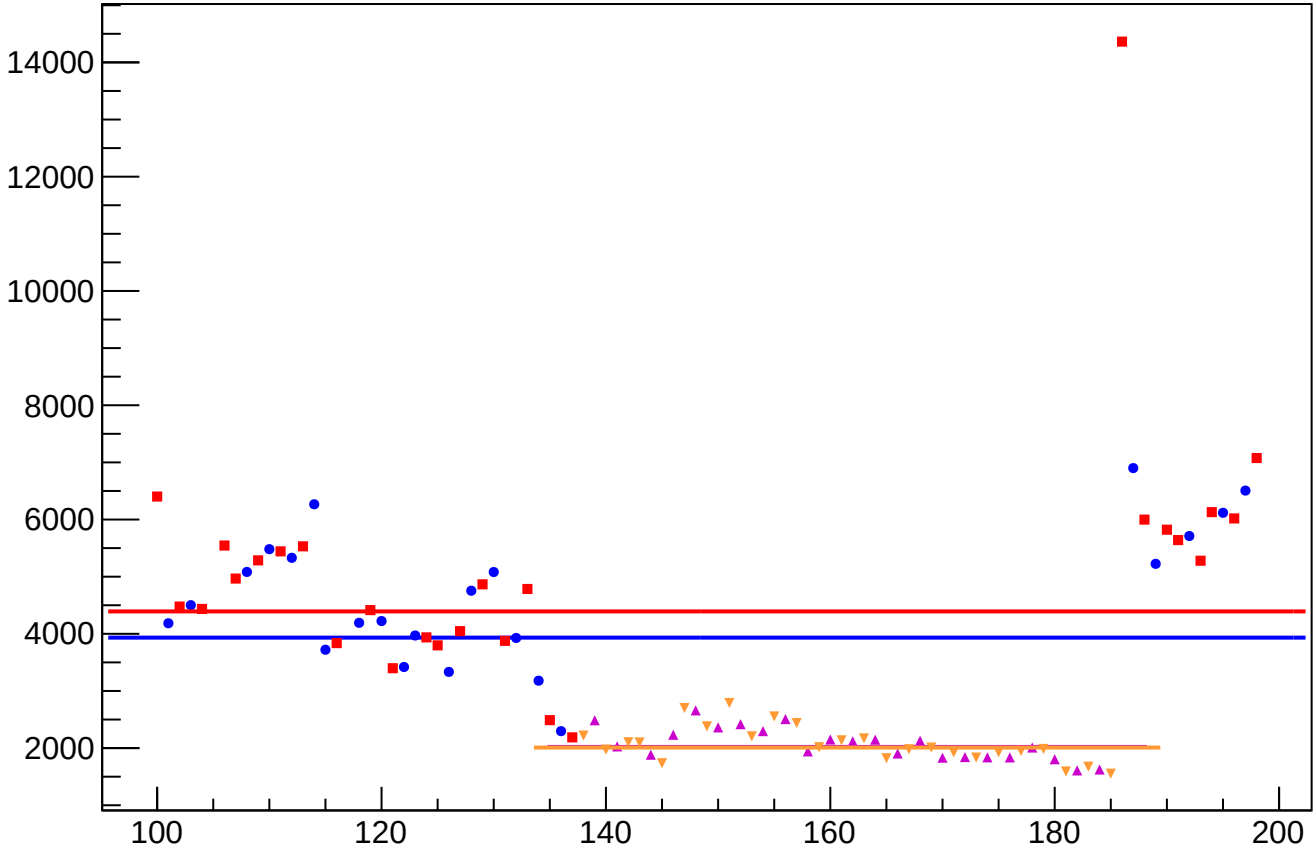
Right: 565.975+/-941.222 χ^2/NDF: 49.3/48

In: 508.800+/-458.386 χ^2/NDF:55.3/44

Out: 579.548+/-445.777 χ^2/NDF:66.2/51

All: 545.161+/-319.576 χ^2/NDF: 121.5/96

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3933.338+/-0.944 χ^2/NDF: 1941545.3/21

Left Out: 2009.631+/-0.335 χ^2/NDF:709977.6/24

Right Out: 4392.133+/-0.939 χ^2/NDF: 2285232.5/26

Left In: 2020.365+/-0.345 χ^2/NDF:573483.0/22

Left: 2014.833+/-0.240 χ^2/NDF: 1283959.2/47

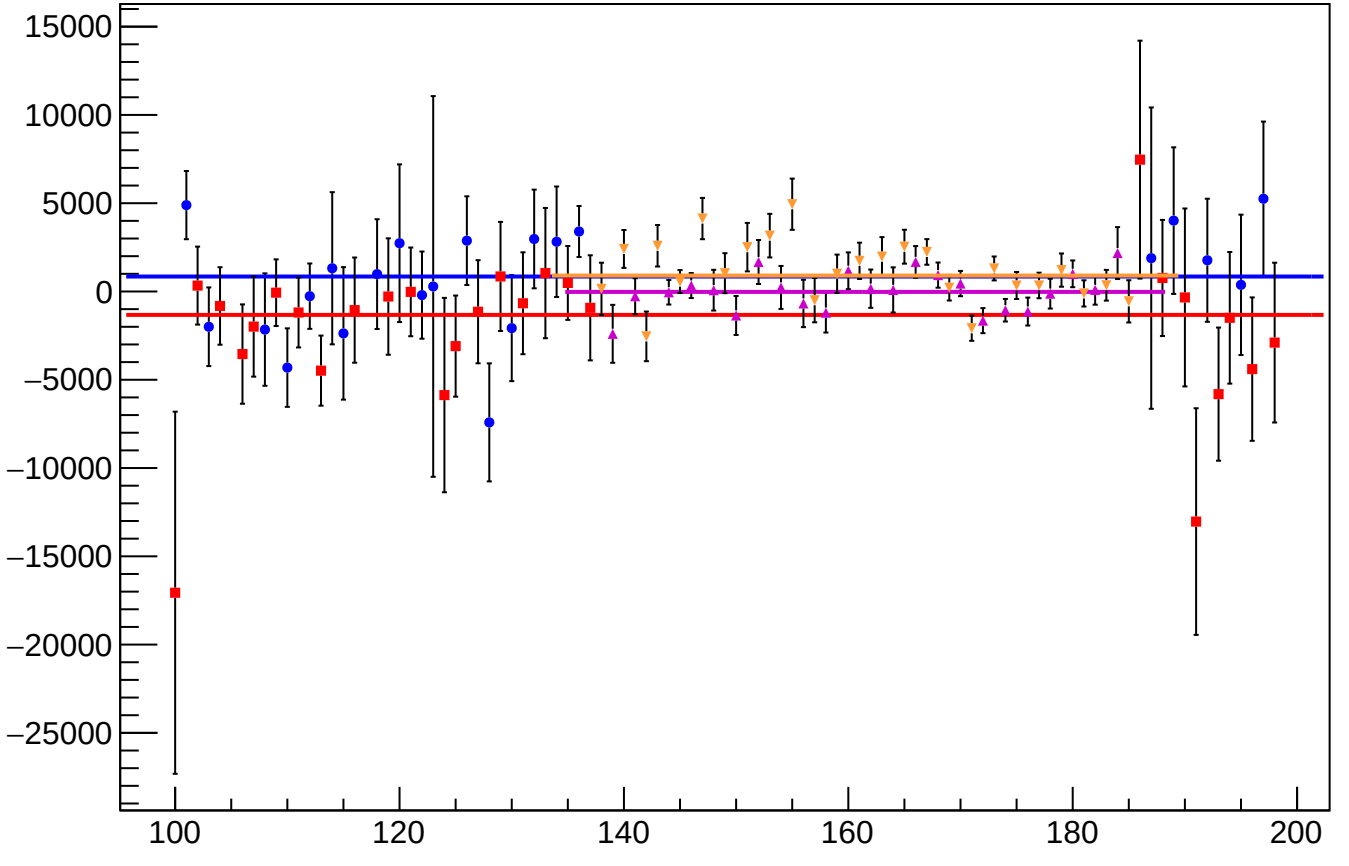
Right: 4164.013+/-0.666 χ^2/NDF: 4345575.9/48

In: 2245.962+/-0.324 χ^2/NDF:6138386.8/44

Out: 2278.330+/-0.315 χ^2/NDF:8711654.6/51

All: 2262.597+/-0.226 χ^2/NDF: 14855166.8/9

asym_sam3_mean vs Slug, Sign Corrected



Right In: 847.393+/-592.325 χ^2/NDF: 27.2/21

Left Out: 902.091+/-185.850 χ^2/NDF:63.5/24

Right Out: -1326.137+/-561.856 χ^2/NDF: 17.4/26

Left In: -23.529+/-188.137 χ^2/NDF:28.2/22

Left: 444.940+/-132.217 χ^2/NDF: 104.0/47

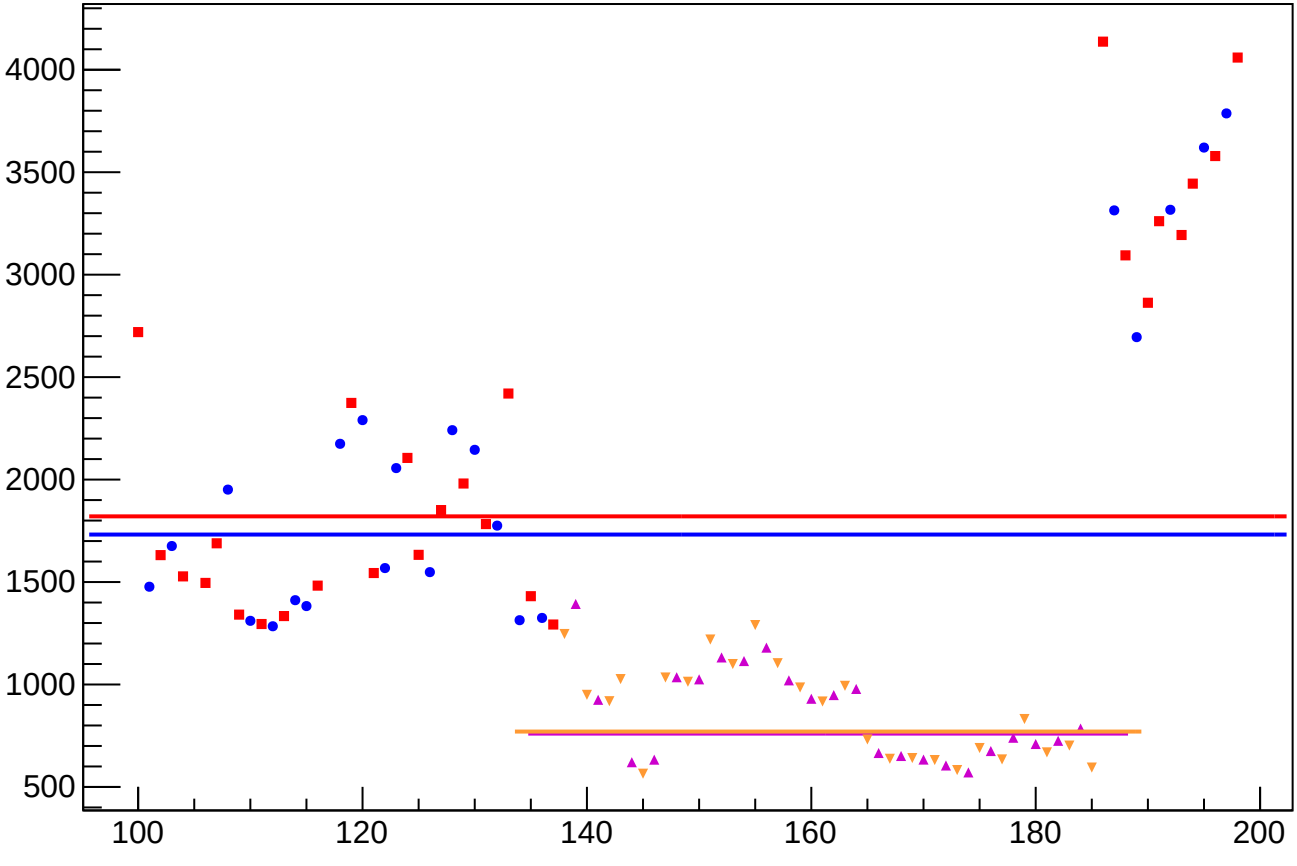
Right: -296.710+/-407.638 χ^2/NDF: 51.7/48

In: 56.282+/-179.309 χ^2/NDF:57.4/44

Out: 682.335+/-176.448 χ^2/NDF:95.1/51

All: 374.344+/-125.767 χ^2/NDF: 158.7/96

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1731.754+/-0.419 χ^2/NDF: 2118193.3/21

Left Out: 770.320+/-0.131 χ^2/NDF:2287655.1/24

Right Out: 1820.542+/-0.397 χ^2/NDF: 3029739.0/26

Left In: 760.352+/-0.133 χ^2/NDF:1986749.8/22

Left: 765.397+/-0.093 χ^2/NDF: 4277246.5/47

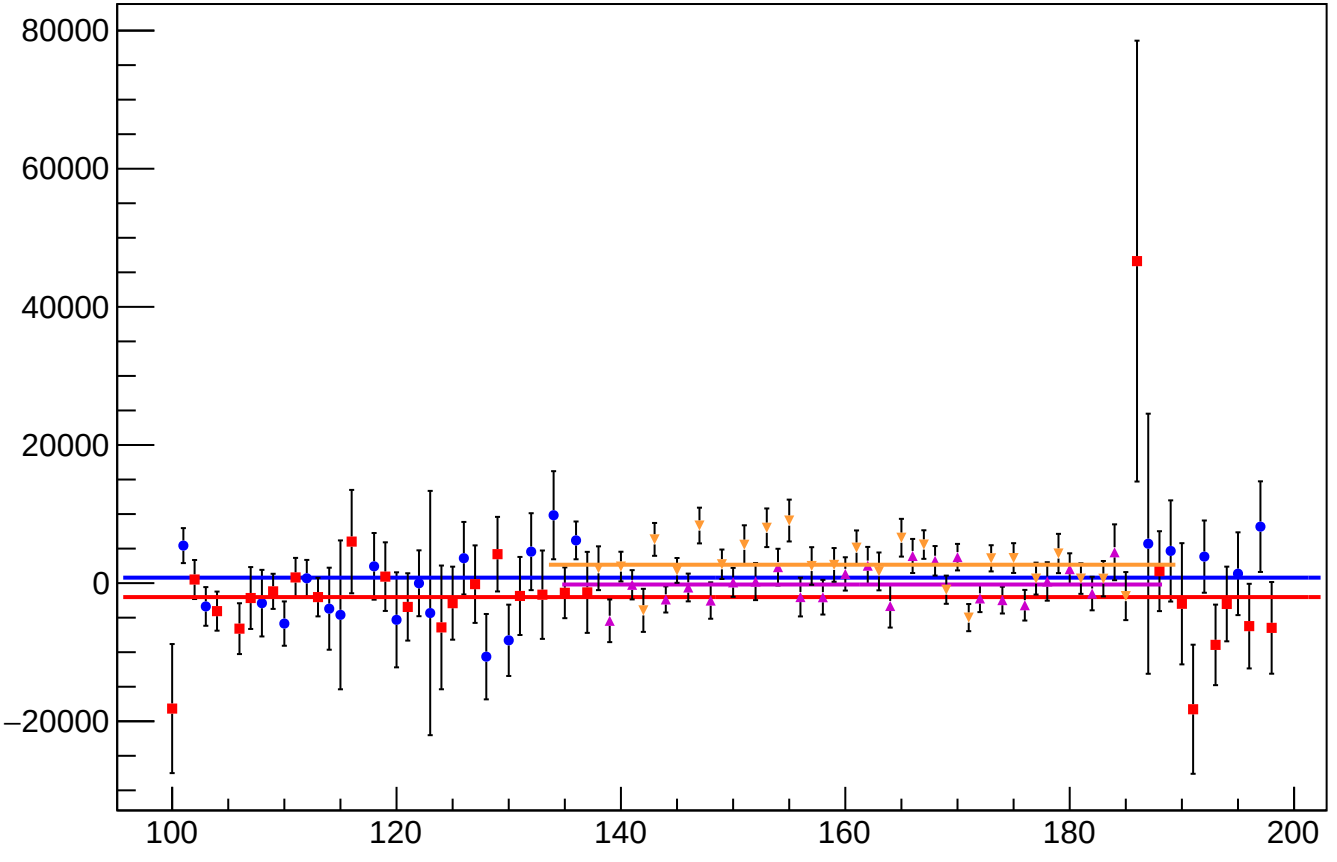
Right: 1778.490+/-0.288 χ^2/NDF: 5171587.4/48

In: 849.371+/-0.127 χ^2/NDF:8991081.7/44

Out: 873.897+/-0.125 χ^2/NDF:11616049.6/51

All: 861.831+/-0.089 χ^2/NDF: 20626140.7/96

asym_sam4_mean vs Slug, Sign Corrected



Right In: 794.113+/-947.877 χ^2/NDF: 27.4/21

Left Out: 2665.587+/-479.773 χ^2/NDF:49.2/24

Right Out: -2020.595+/-865.465 χ^2/NDF: 18.5/26

Left In: -199.371+/-492.082 χ^2/NDF:25.8/22

Left: 1269.388+/-343.520 χ^2/NDF: 92.4/47

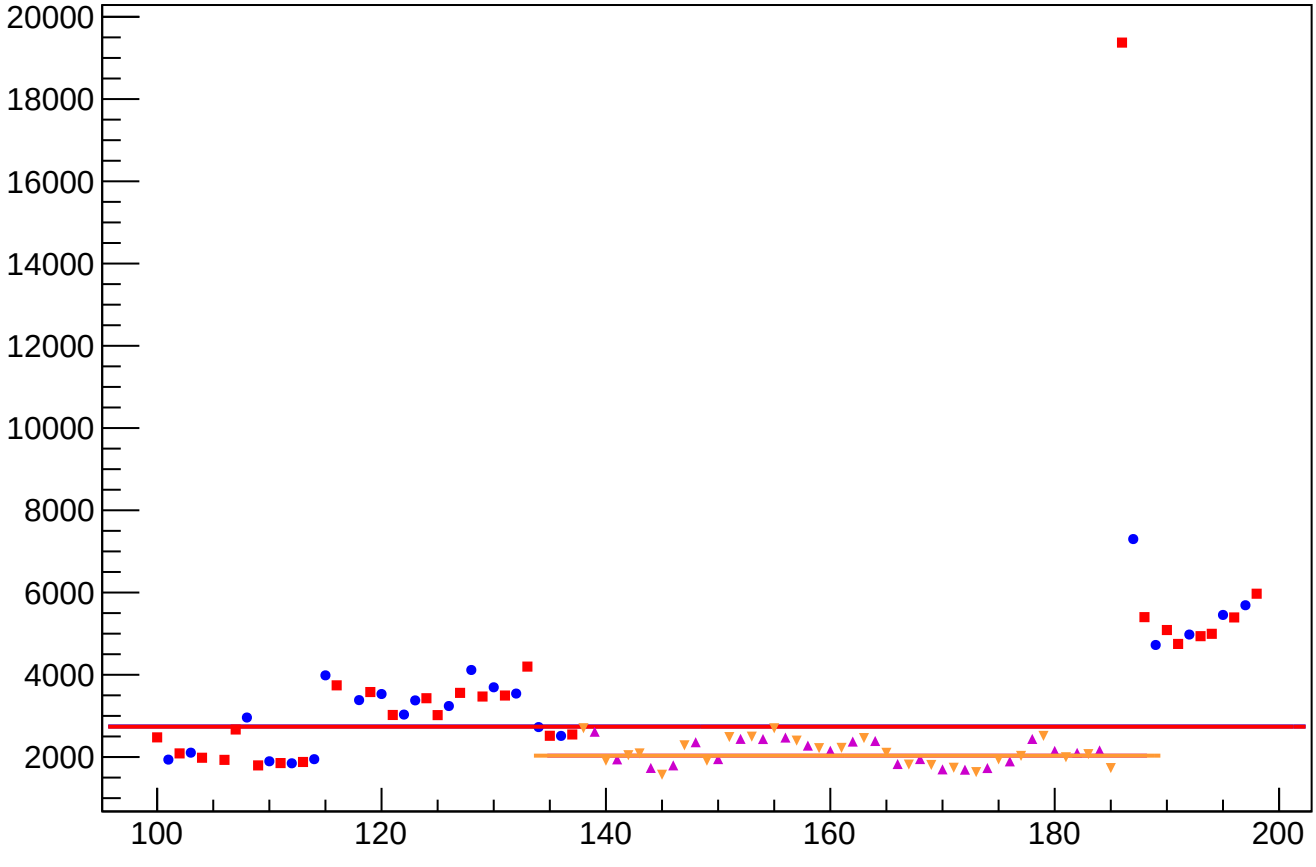
Right: -740.900+/-639.129 χ^2/NDF: 50.7/48

In: 11.539+/-436.737 χ^2/NDF:54.1/44

Out: 1564.011+/-419.611 χ^2/NDF:90.1/51

All: 818.810+/-302.583 χ^2/NDF: 150.7/96

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2743.602+/-0.670 χ^2/NDF: 2493004.5/21

Left Out: 2033.337+/-0.339 χ^2/NDF:824062.2/24

Right Out: 2737.364+/-0.612 χ^2/NDF: 4041302.6/26

Left In: 2032.655+/-0.348 χ^2/NDF:652763.7/22

Left: 2033.004+/-0.243 χ^2/NDF: 1476827.9/47

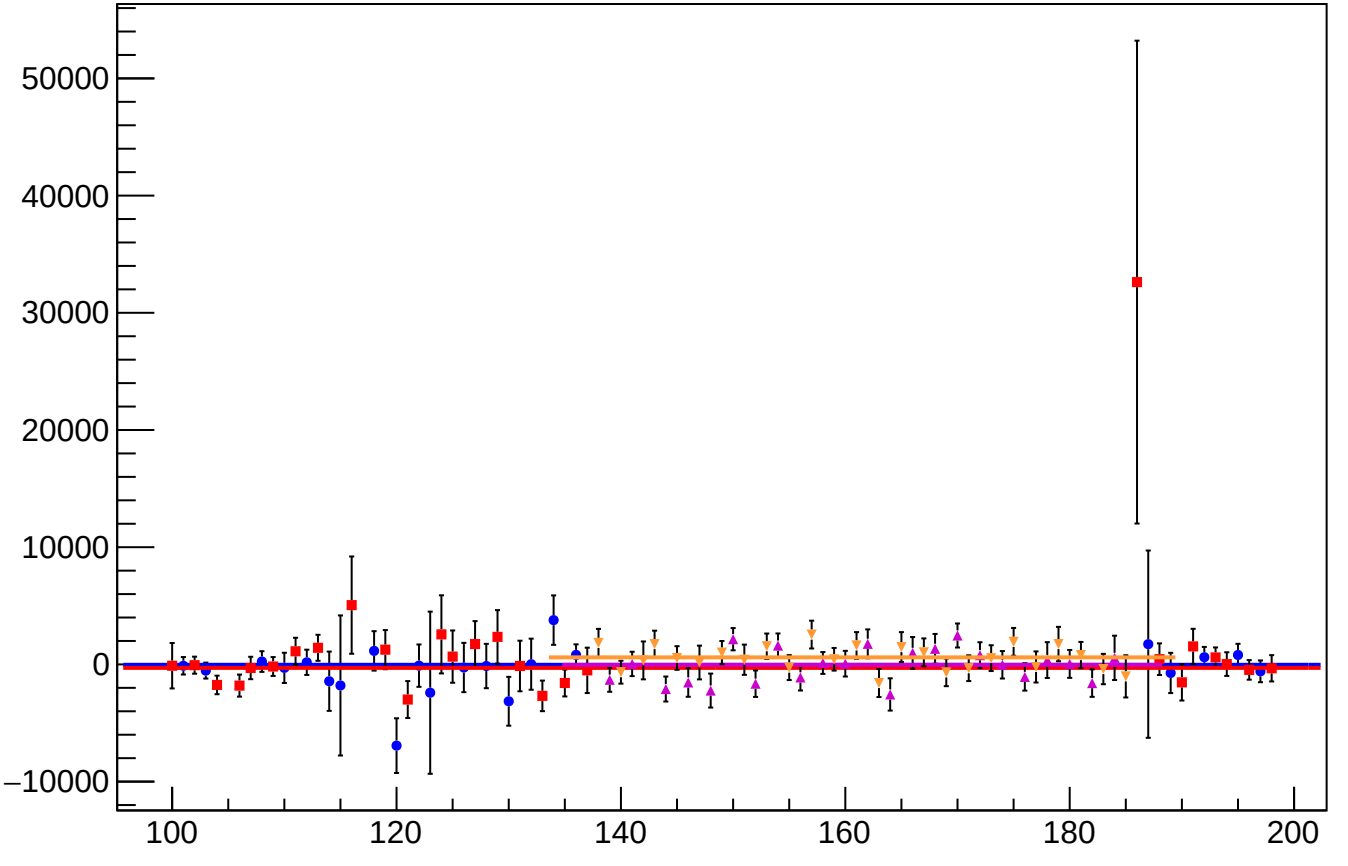
Right: 2740.200+/-0.452 χ^2/NDF: 6534354.4/48

In: 2183.584+/-0.309 χ^2/NDF:4032036.9/44

Out: 2198.832+/-0.297 χ^2/NDF:5877718.4/51

All: 2191.513+/-0.214 χ^2/NDF: 9911023.0/96

asym_sam5_mean vs Slug, Sign Corrected



Right In: -34.112+/-266.522 χ^2/NDF: 18.8/21

Left Out: 600.005+/-234.968 χ^2/NDF:18.5/24

Right Out: -296.004+/-232.635 χ^2/NDF: 29.7/26

Left In: -41.559+/-240.807 χ^2/NDF:36.4/22

Left: 287.096+/-168.174 χ^2/NDF: 58.5/47

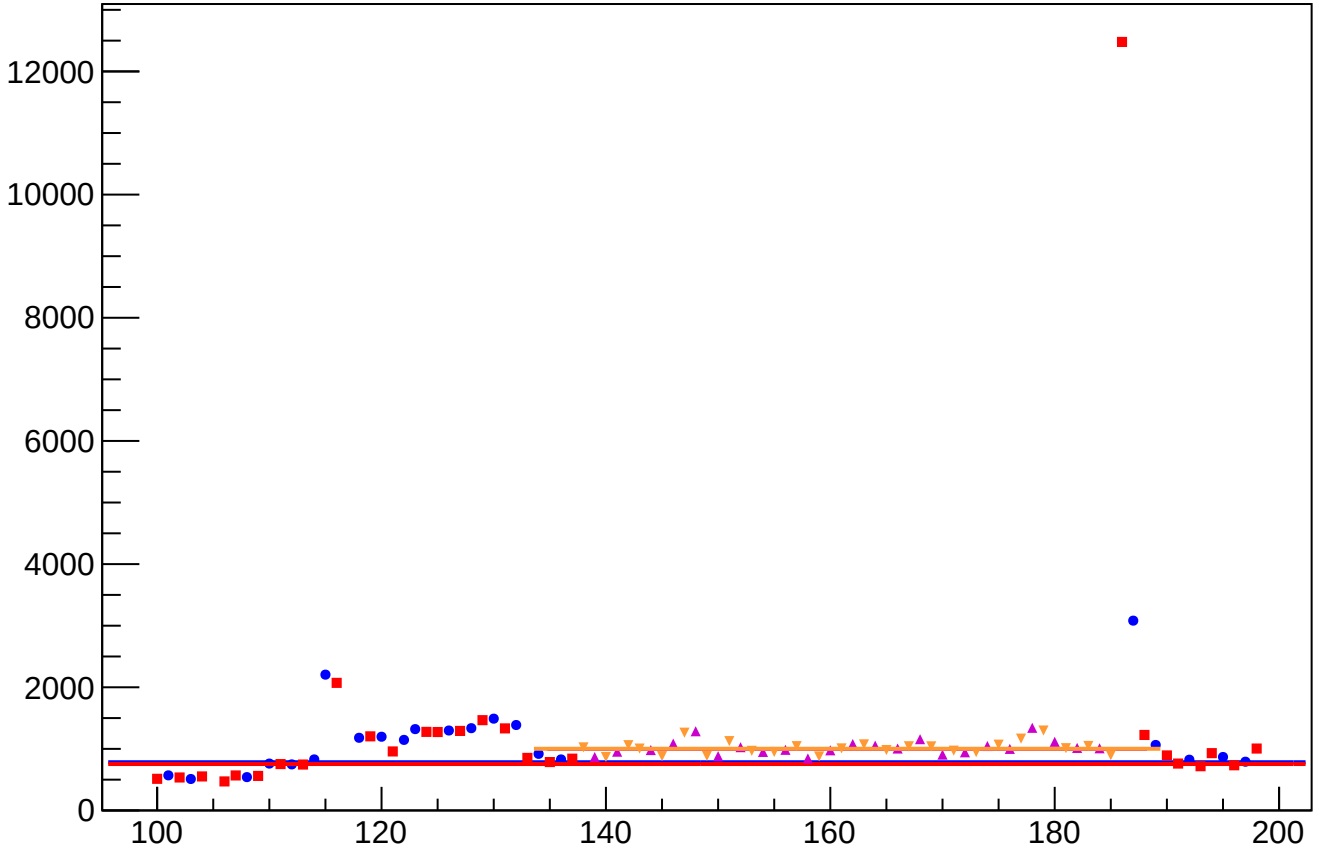
Right: -182.756+/-175.262 χ^2/NDF: 49.0/48

In: -38.212+/-178.678 χ^2/NDF:55.1/44

Out: 147.531+/-165.316 χ^2/NDF:55.5/51

All: 61.863+/-121.345 χ^2/NDF: 111.2/96

asym_sam5_rms vs Slug, Sign Corrected



Right In: 782.726+/-0.188 χ^2/NDF: 1945475.0/21

Left Out: 1001.472+/-0.166 χ^2/NDF:370299.3/24

Right Out: 753.769+/-0.164 χ^2/NDF: 2832100.5/26

Left In: 998.050+/-0.170 χ^2/NDF:404656.2/22

Left: 999.803+/-0.119 χ^2/NDF: 775162.3/47

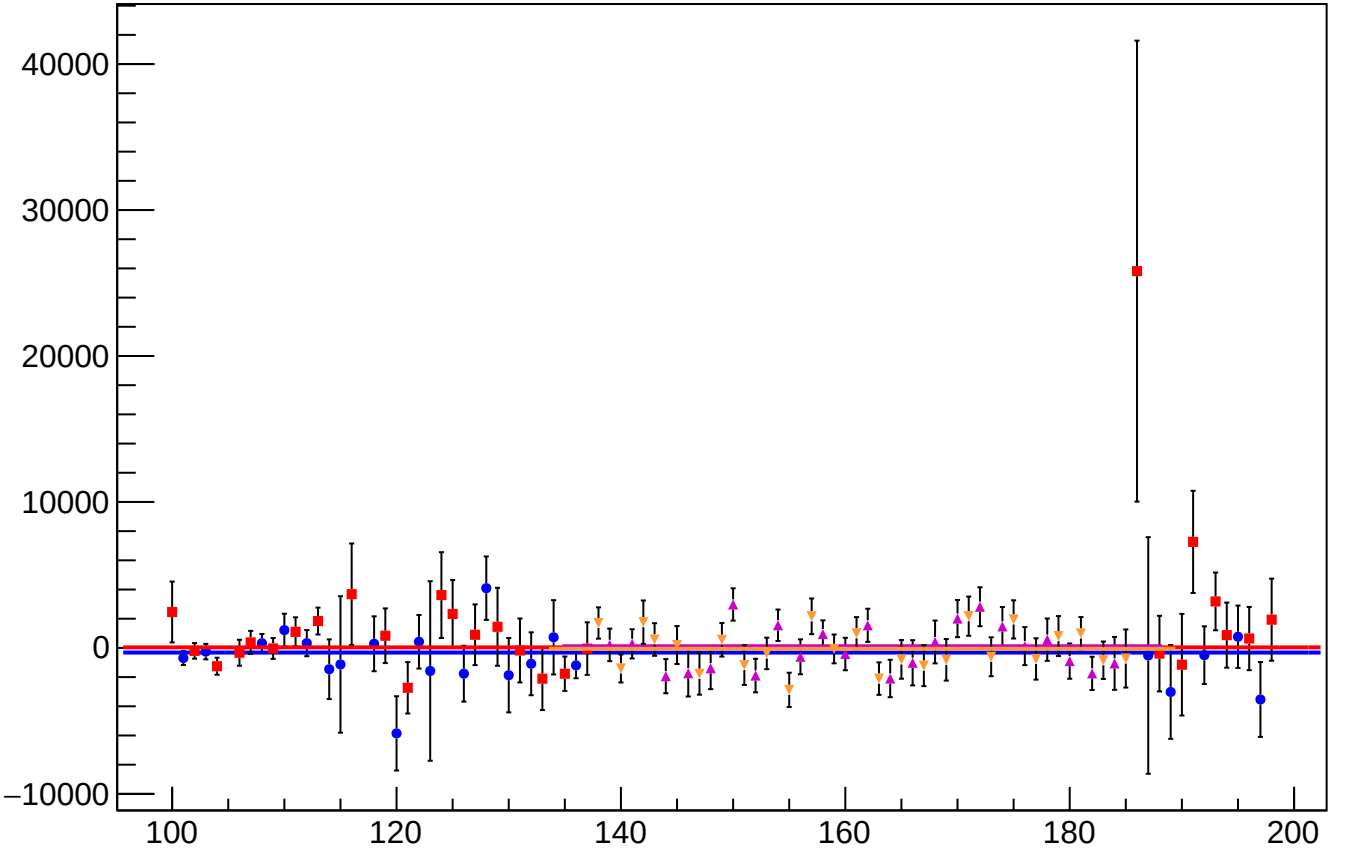
Right: 766.291+/-0.124 χ^2/NDF: 4790975.5/48

In: 901.274+/-0.126 χ^2/NDF:3068832.1/44

Out: 876.385+/-0.117 χ^2/NDF:4324819.2/51

All: 887.864+/-0.086 χ^2/NDF: 7414560.9/96

asym_sam6_mean vs Slug, Sign Corrected



Right In: -318.534+/-245.059 χ^2/NDF: 18.4/21

Left Out: -59.827+/-246.503 χ^2/NDF:31.0/24

Right Out: 36.139+/-238.296 χ^2/NDF: 32.1/26

Left In: 112.398+/-255.409 χ^2/NDF:34.9/22

Left: 23.230+/-177.369 χ^2/NDF: 66.1/47

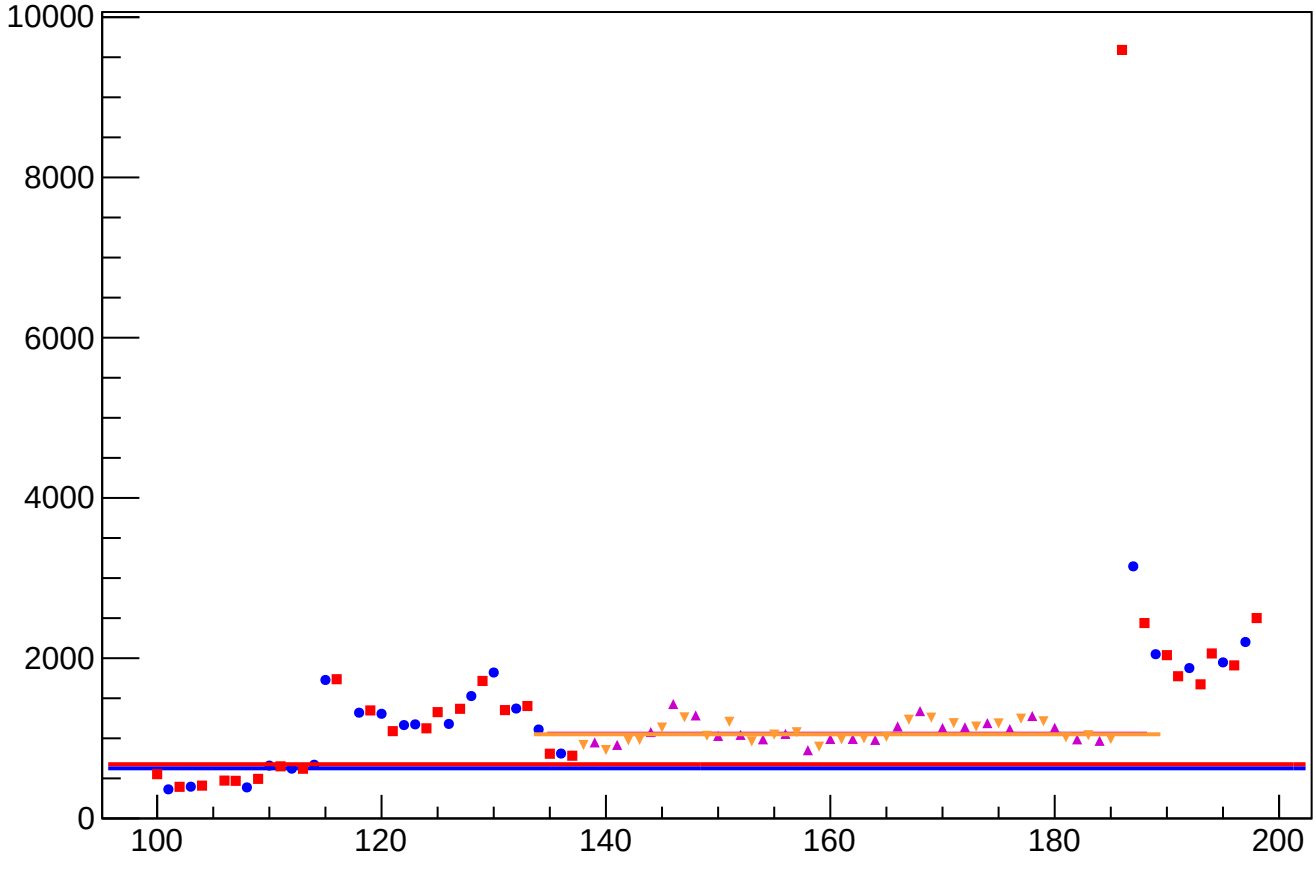
Right: -136.236+/-170.841 χ^2/NDF: 51.5/48

In: -111.977+/-176.829 χ^2/NDF:54.7/44

Out: -10.220+/-171.329 χ^2/NDF:63.1/51

All: -59.491+/-123.046 χ^2/NDF: 118.0/96

asym_sam6_rms vs Slug, Sign Corrected



Right In: 625.753+/-0.173 χ^2/NDF: 6251066.4/21

Left Out: 1050.649+/-0.174 χ^2/NDF:483144.2/24

Right Out: 676.930+/-0.169 χ^2/NDF: 7929892.9/26

Left In: 1058.097+/-0.181 χ^2/NDF:528574.7/22

Left: 1054.241+/-0.125 χ^2/NDF: 1012599.4/47

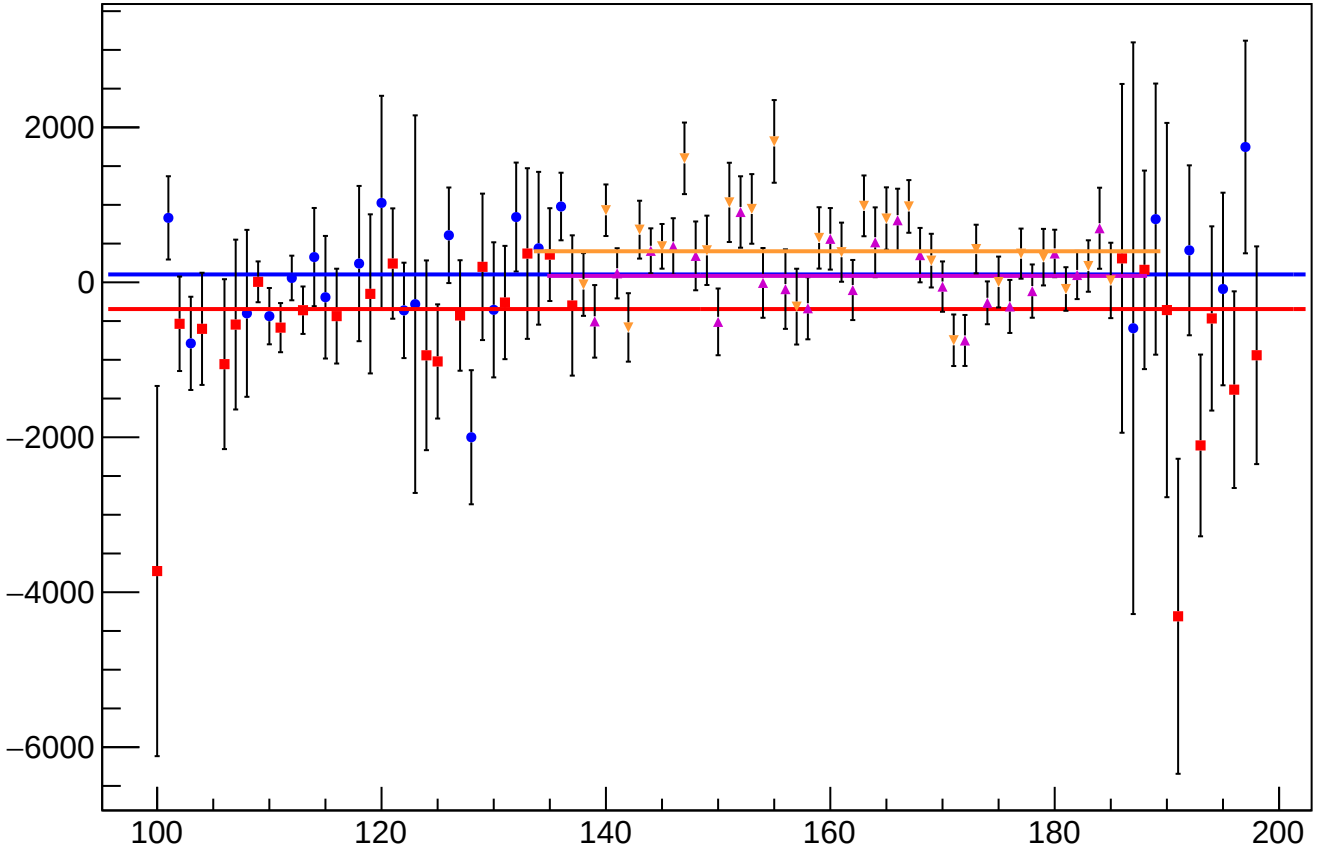
Right: 652.058+/-0.121 χ^2/NDF: 14225791.8/48

In: 832.987+/-0.125 χ^2/NDF:9763510.8/44

Out: 857.465+/-0.121 χ^2/NDF:10789342.2/51

All: 845.613+/-0.087 χ^2/NDF: 20572619.6/96

asym_sam7_mean vs Slug, Sign Corrected



Right In: 101.899+/-139.853 χ^2/NDF: 21.6/21

Left Out: 400.988+/-74.546 χ^2/NDF:52.1/24

Right Out: -345.015+/-125.866 χ^2/NDF: 16.2/26

Left In: 82.890+/-76.904 χ^2/NDF:29.0/22

Left: 246.889+/-53.526 χ^2/NDF: 89.9/47

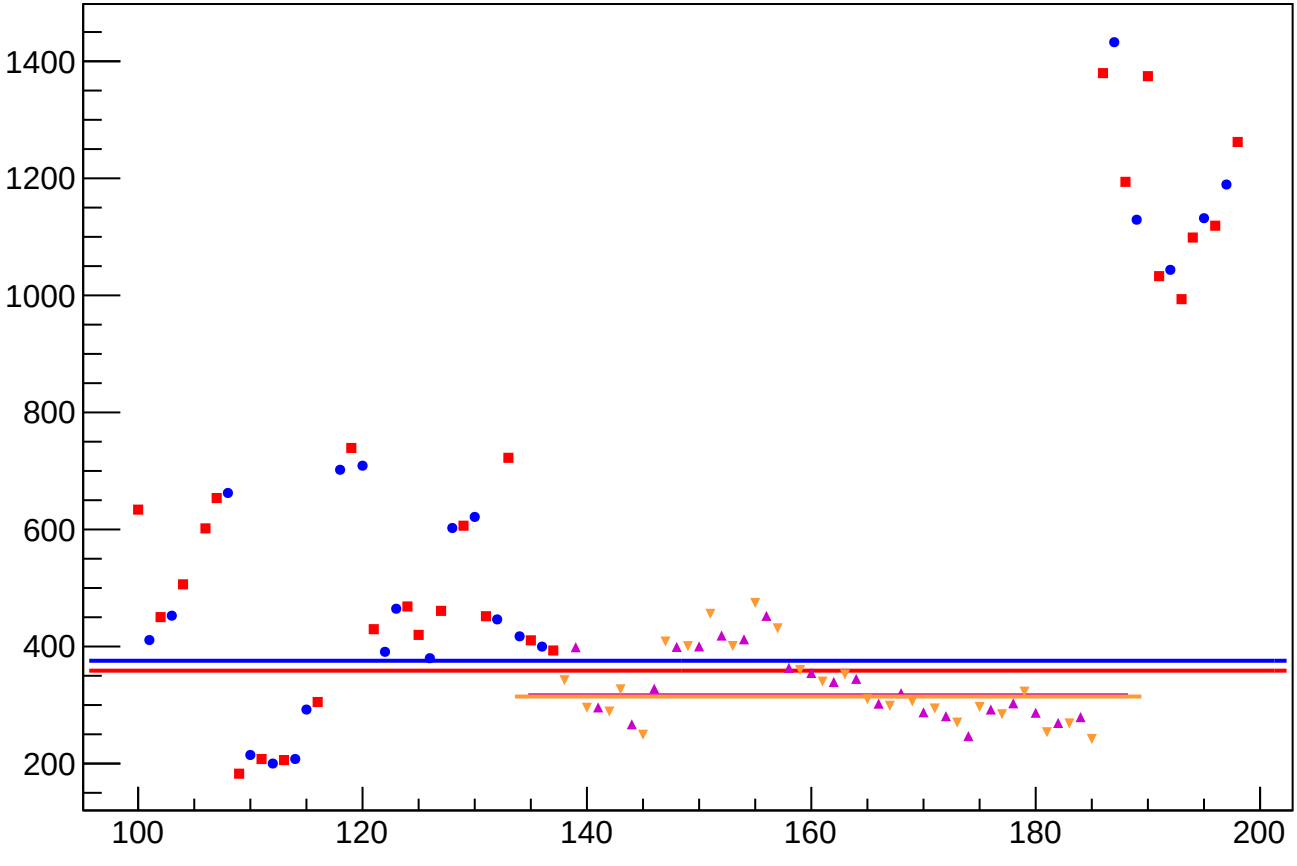
Right: -145.017+/-93.556 χ^2/NDF: 43.5/48

In: 87.303+/-67.388 χ^2/NDF:50.6/44

Out: 207.260+/-64.141 χ^2/NDF:94.2/51

All: 150.241+/-46.460 χ^2/NDF: 146.5/96

asym_sam7_rms vs Slug, Sign Corrected



Right In: 375.667+/-0.099 χ^2/NDF: 4861283.7/21

Left Out: 314.538+/-0.053 χ^2/NDF:1112445.6/24

Right Out: 358.744+/-0.089 χ^2/NDF: 7768247.6/26

Left In: 316.647+/-0.054 χ^2/NDF:920874.0/22

Left: 315.560+/-0.038 χ^2/NDF: 2034094.8/47

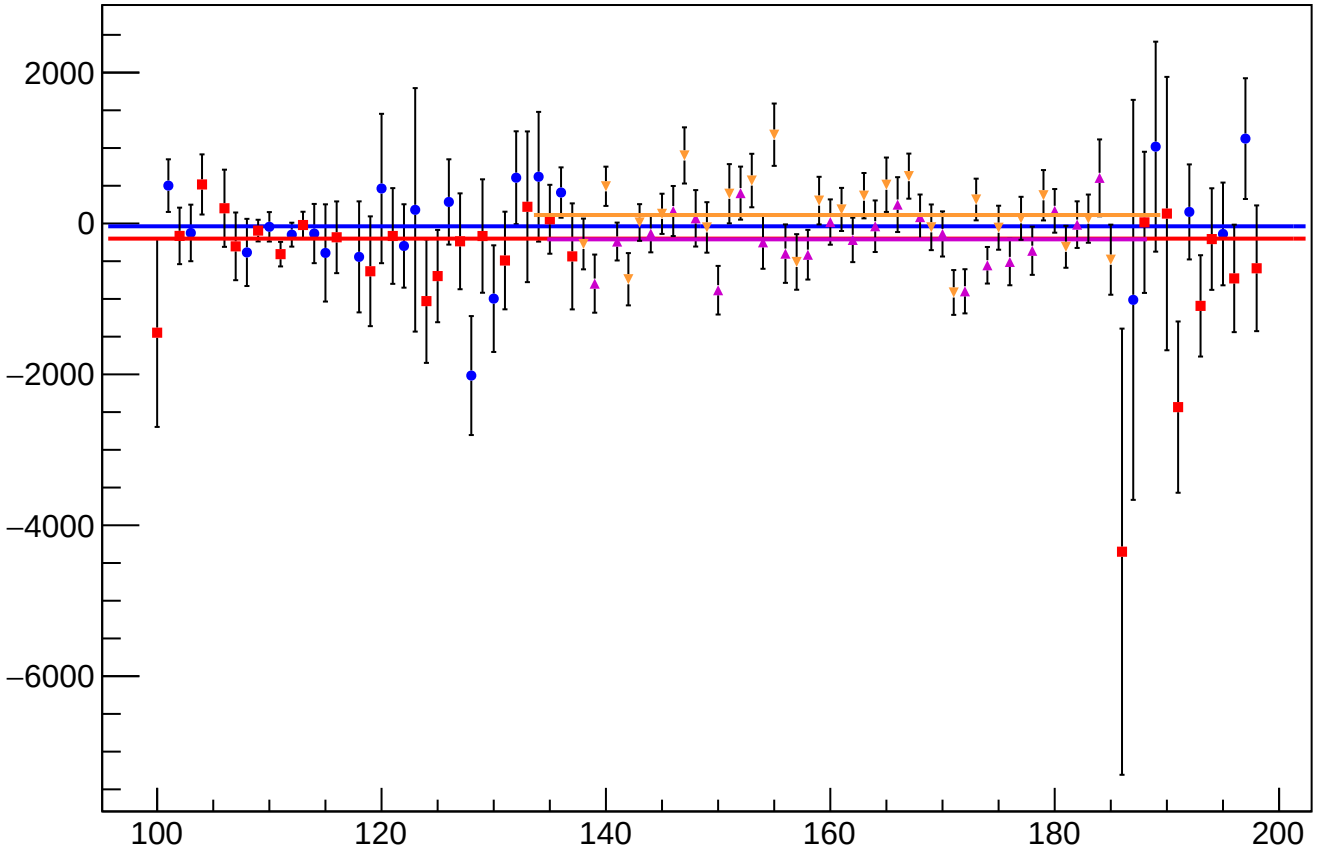
Right: 366.317+/-0.066 χ^2/NDF: 12645711.4/48

In: 330.350+/-0.048 χ^2/NDF:6055655.7/44

Out: 326.018+/-0.045 χ^2/NDF:9063328.7/51

All: 328.077+/-0.033 χ^2/NDF: 15123320.8/96

asym_sam8_mean vs Slug, Sign Corrected



Right In: -37.423+/-88.225 χ^2/NDF: 19.6/21

Left Out: 112.242+/-62.643 χ^2/NDF:49.1/24

Right Out: -200.646+/-74.748 χ^2/NDF: 19.4/26

Left In: -210.453+/-65.510 χ^2/NDF:29.2/22

Left: -41.890+/-45.275 χ^2/NDF: 91.0/47

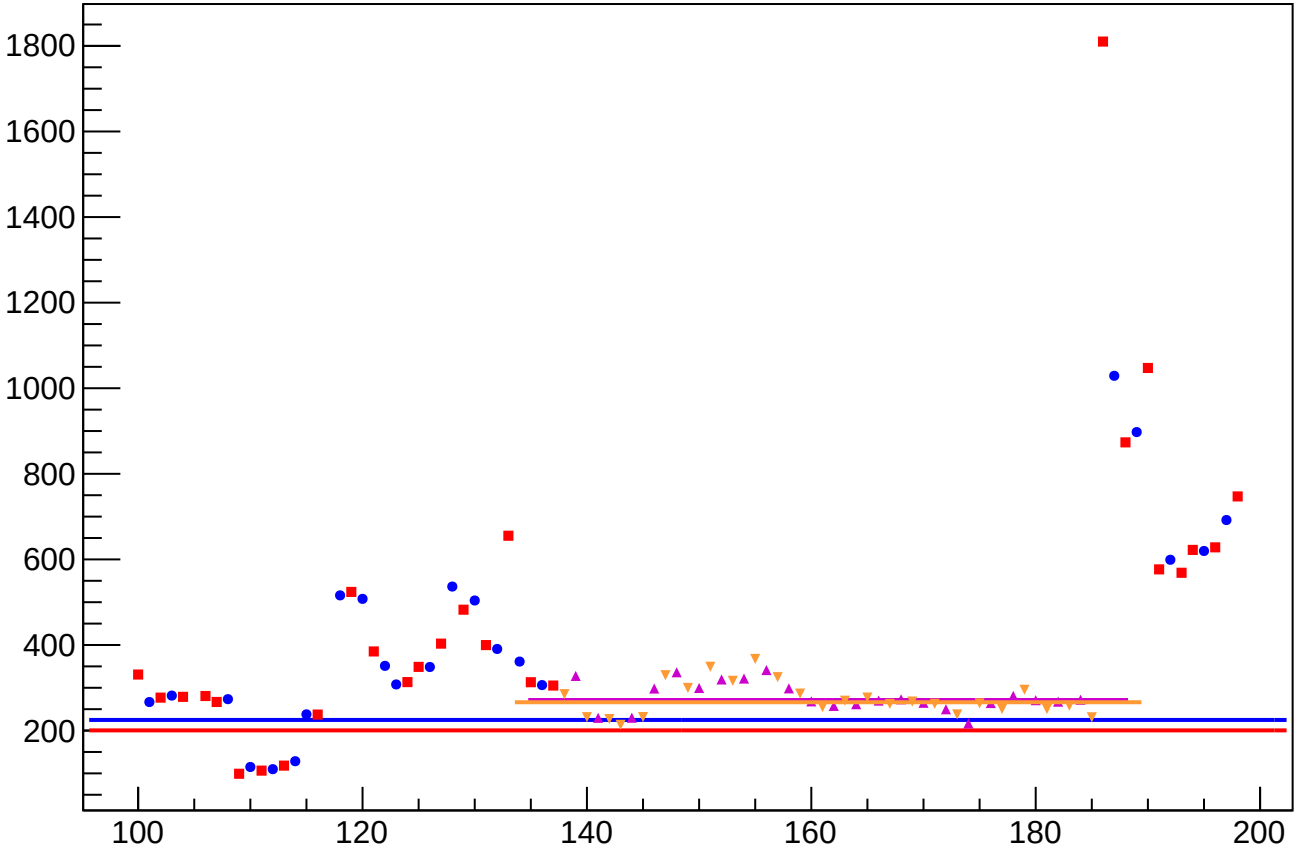
Right: -132.441+/-57.031 χ^2/NDF: 41.0/48

In: -148.958+/-52.596 χ^2/NDF:51.2/44

Out: -16.847+/-48.012 χ^2/NDF:78.9/51

All: -76.896+/-35.460 χ^2/NDF: 133.5/96

asym_sam8_rms vs Slug, Sign Corrected



Right In: 224.855+/-0.062 χ^2/NDF: 6241162.0/21

Left Out: 266.207+/-0.044 χ^2/NDF:649629.9/24

Right Out: 200.463+/-0.053 χ^2/NDF: 9619031.3/26

Left In: 271.415+/-0.046 χ^2/NDF:521877.7/22

Left: 268.695+/-0.032 χ^2/NDF: 1178109.8/47

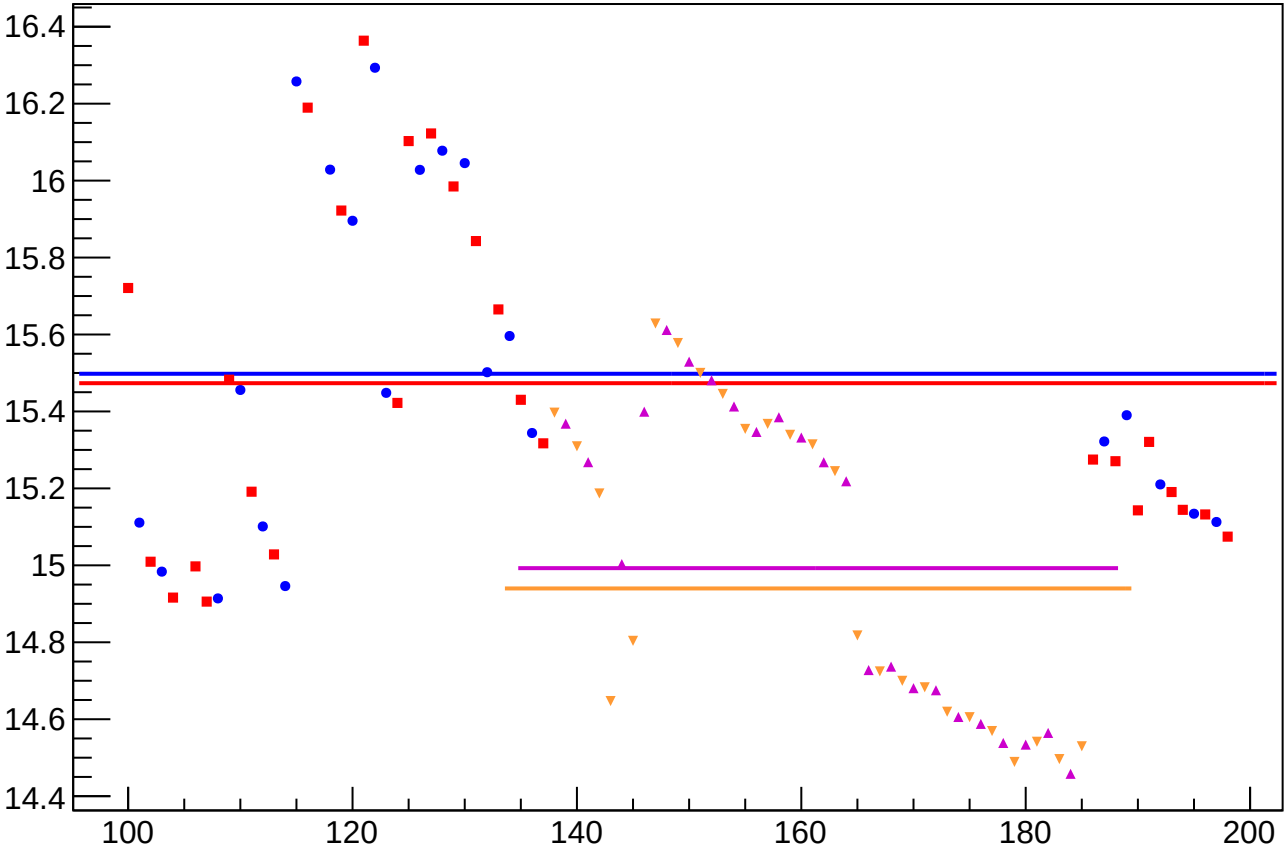
Right: 210.655+/-0.040 χ^2/NDF: 15949188.4/48

In: 254.867+/-0.037 χ^2/NDF:7122091.7/44

Out: 239.083+/-0.034 χ^2/NDF:11177528.5/51

All: 246.257+/-0.025 χ^2/NDF: 18397875.7/96

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.498+/-0.000 χ^2/NDF: 7859258201.5/21

Left Out: 14.940+/-0.000 χ^2/NDF:24199653913.9/24

Right Out: 15.473+/-0.000 χ^2/NDF: 8758732559.7/26

Left In: 14.993+/-0.000 χ^2/NDF:22023159634.7/22

Left: 14.965+/-0.000 χ^2/NDF: 46444749587.5/47

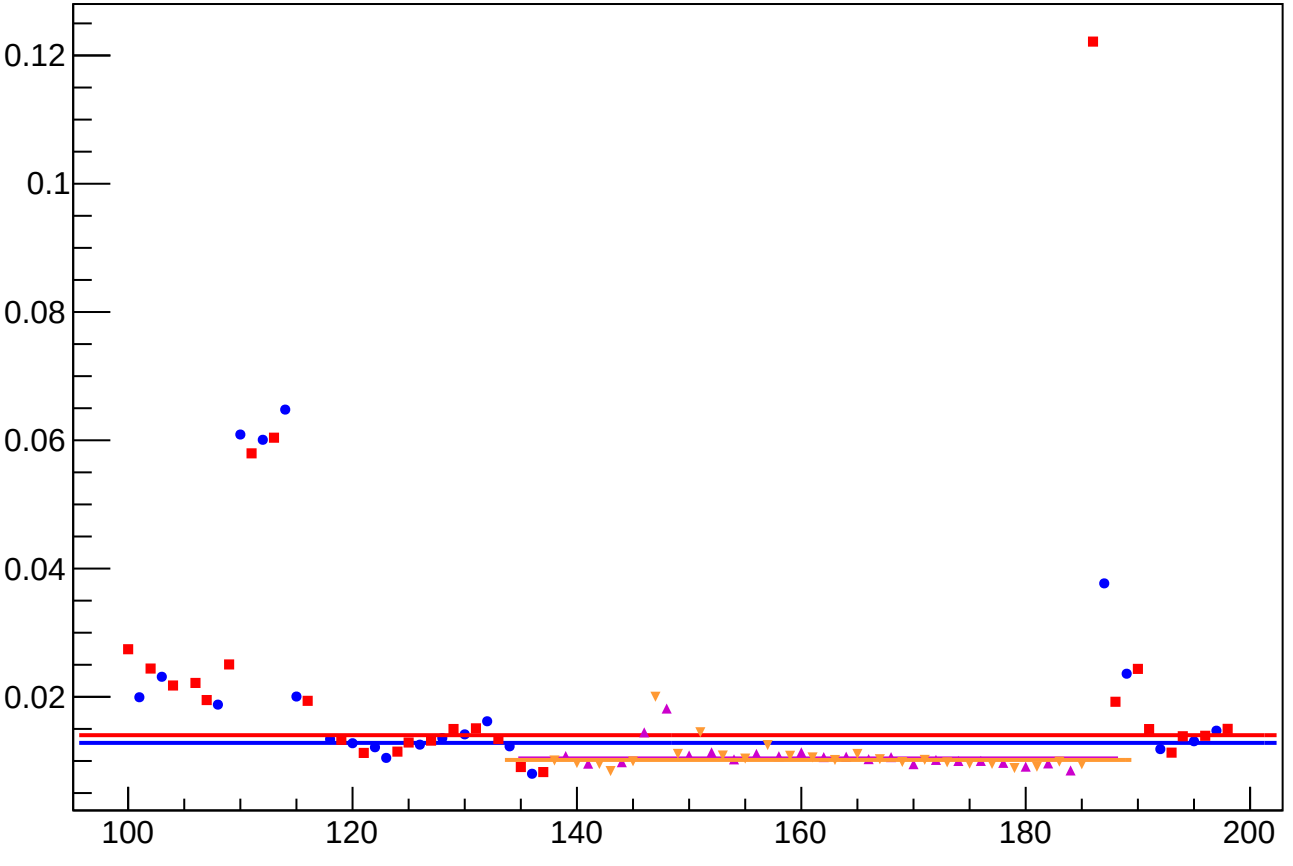
Right: 15.485+/-0.000 χ^2/NDF: 16632772083.5/48

In: 15.115+/-0.000 χ^2/NDF:39260958860.5/44

Out: 15.063+/-0.000 χ^2/NDF:43947955891.9/51

All: 15.088+/-0.000 χ^2/NDF: 83487099150.6

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2483916.5/21

Left Out: 0.010+/-0.000 χ^2/NDF:717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2980748.6/26

Left In: 0.010+/-0.000 χ^2/NDF:544268.8/22

Left: 0.010+/-0.000 χ^2/NDF: 1270343.0/47

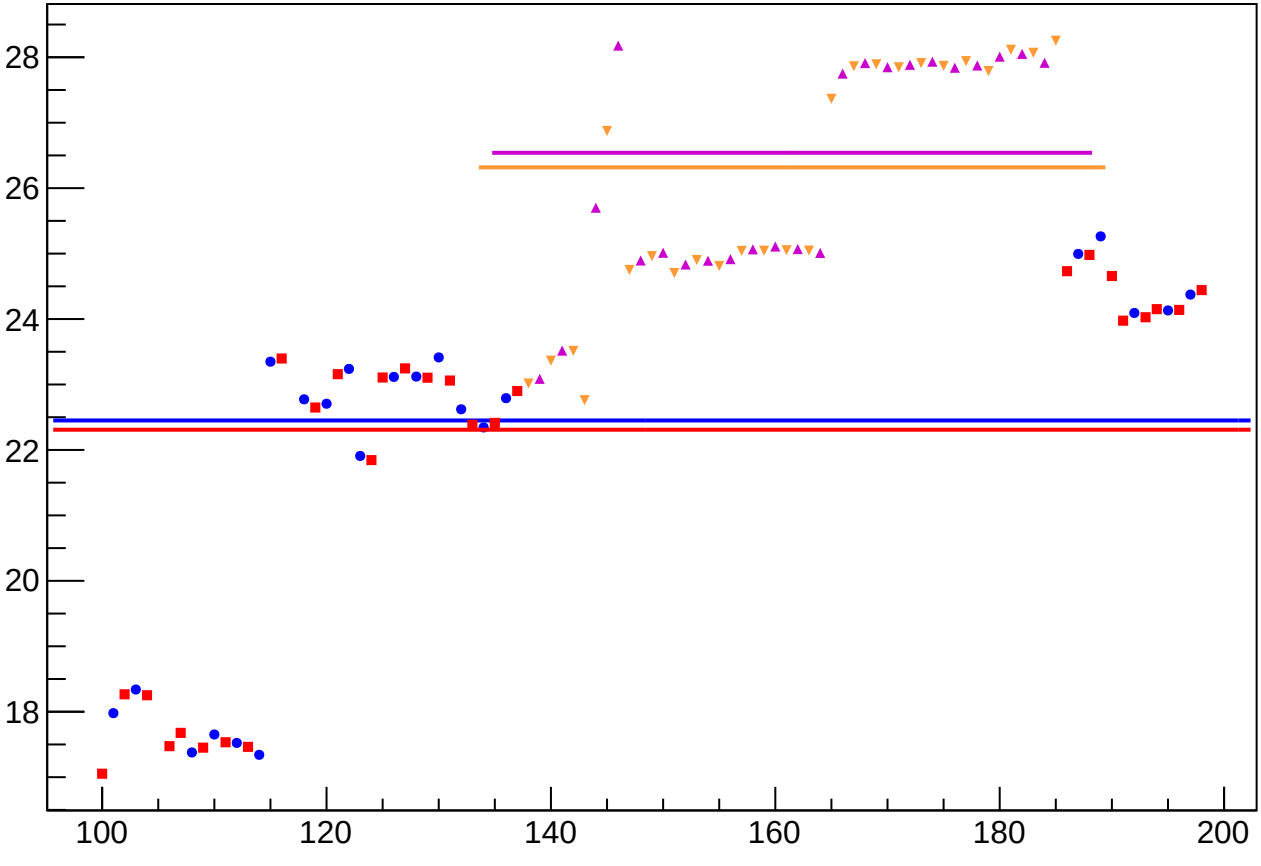
Right: 0.013+/-0.000 χ^2/NDF: 5535776.0/48

In: 0.011+/-0.000 χ^2/NDF:3459938.9/44

Out: 0.011+/-0.000 χ^2/NDF:4847989.6/51

All: 0.011+/-0.000 χ^2/NDF: 8308991.4/96

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.451+/-0.000 χ^2/NDF: 1046781262.8/21

Left Out: 26.318+/-0.000 χ^2/NDF:4715403741.0/24

Right Out: 22.309+/-0.000 χ^2/NDF: 1284438914.0/26

Left In: 26.540+/-0.000 χ^2/NDF:3309392772.6/22

Left: 26.424+/-0.000 χ^2/NDF: 8058273722.3/47

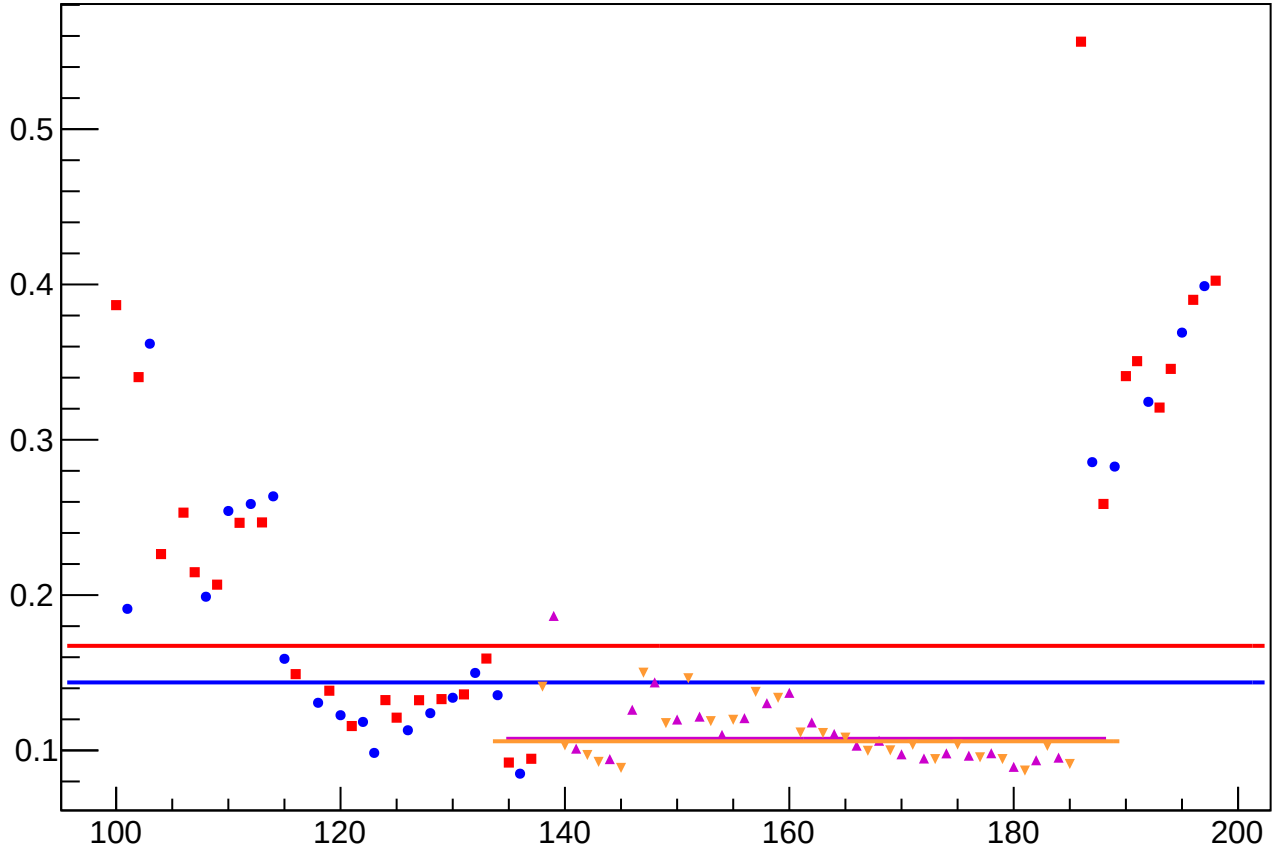
Right: 22.382+/-0.000 χ^2/NDF: 2334504129.5/48

In: 25.697+/-0.000 χ^2/NDF:8823553094.9/44

Out: 25.581+/-0.000 χ^2/NDF:10164122759.1/51

All: 25.637+/-0.000 χ^2/NDF: 18998966834.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 3693022.2/21

Left Out: 0.106+/-0.000 χ^2/NDF:732883.8/24

Right Out: 0.167+/-0.000 χ^2/NDF: 4523696.6/26

Left In: 0.107+/-0.000 χ^2/NDF:771132.0/22

Left: 0.107+/-0.000 χ^2/NDF: 1507414.2/47

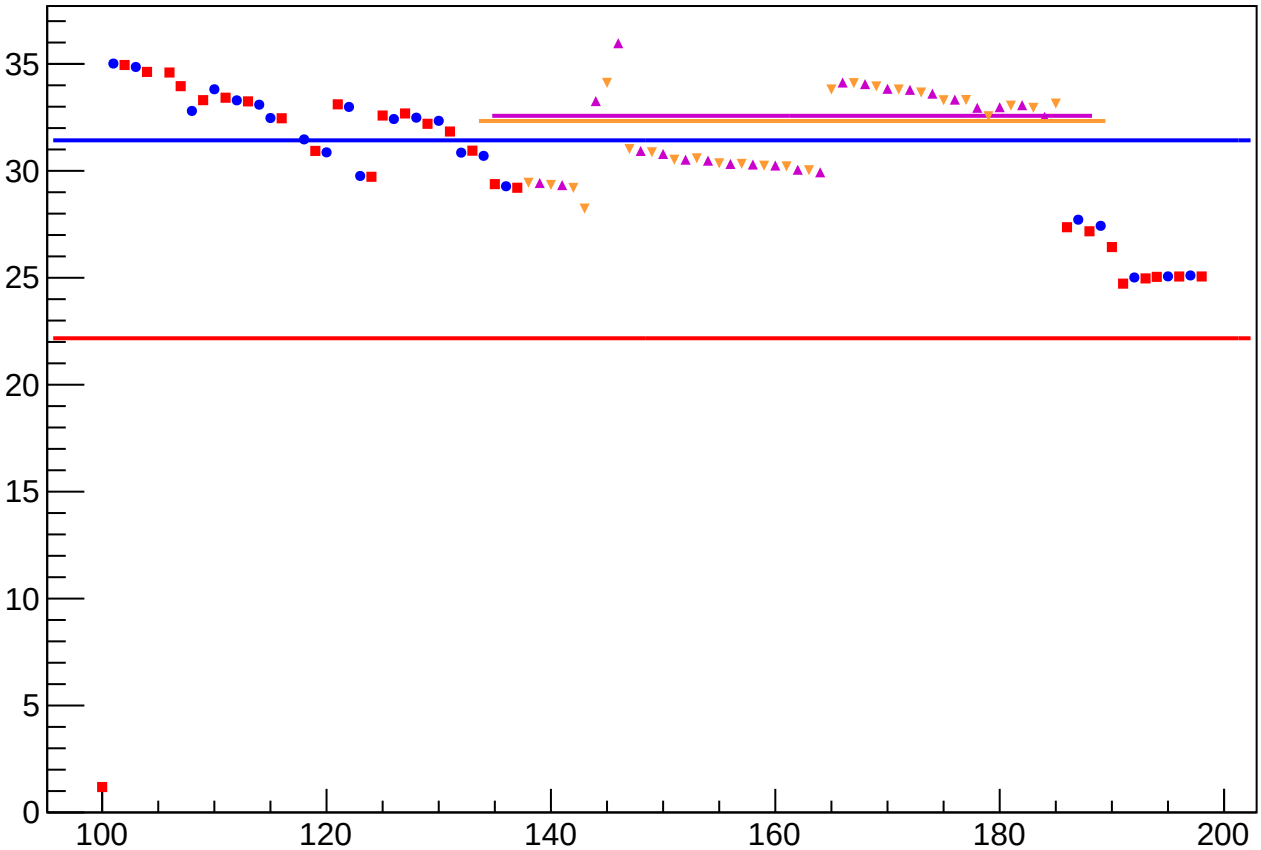
Right: 0.155+/-0.000 χ^2/NDF: 8397975.3/48

In: 0.115+/-0.000 χ^2/NDF:5168134.8/44

Out: 0.117+/-0.000 χ^2/NDF:7213104.9/51

All: 0.116+/-0.000 χ^2/NDF: 12389496.5/96

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.427+/-0.000 χ^2/NDF: 3839729769.0/21

Left Out: 32.331+/-0.000 χ^2/NDF:12850475096.2/24

Right Out: 22.172+/-0.000 χ^2/NDF: 230754553630.2/26

Left In: 32.574+/-0.000 χ^2/NDF:11797772603.7/22

Left: 32.450+/-0.000 χ^2/NDF: 24766521375.8/47

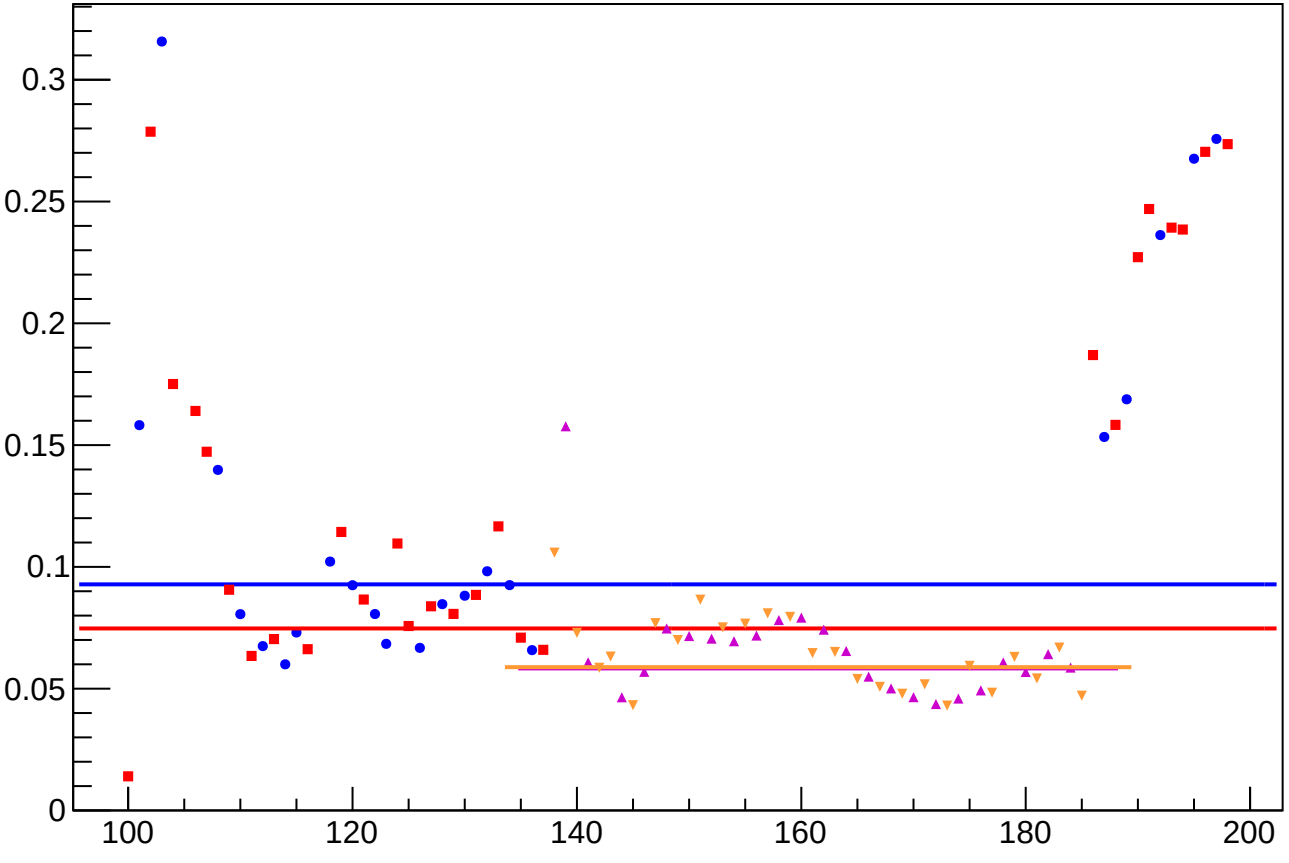
Right: 25.872+/-0.000 χ^2/NDF: 274415406079.6/48

In: 32.385+/-0.000 χ^2/NDF:16488968283.9/44

Out: 30.085+/-0.000 χ^2/NDF:337080822179.5/51

All: 31.170+/-0.000 χ^2/NDF: 366691999749.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 3530290.3/21

Left Out: 0.059+/-0.000 χ^2/NDF:1402605.2/24

Right Out: 0.075+/-0.000 χ^2/NDF: 8359031.2/26

Left In: 0.058+/-0.000 χ^2/NDF:1525476.4/22

Left: 0.059+/-0.000 χ^2/NDF: 2929140.7/47

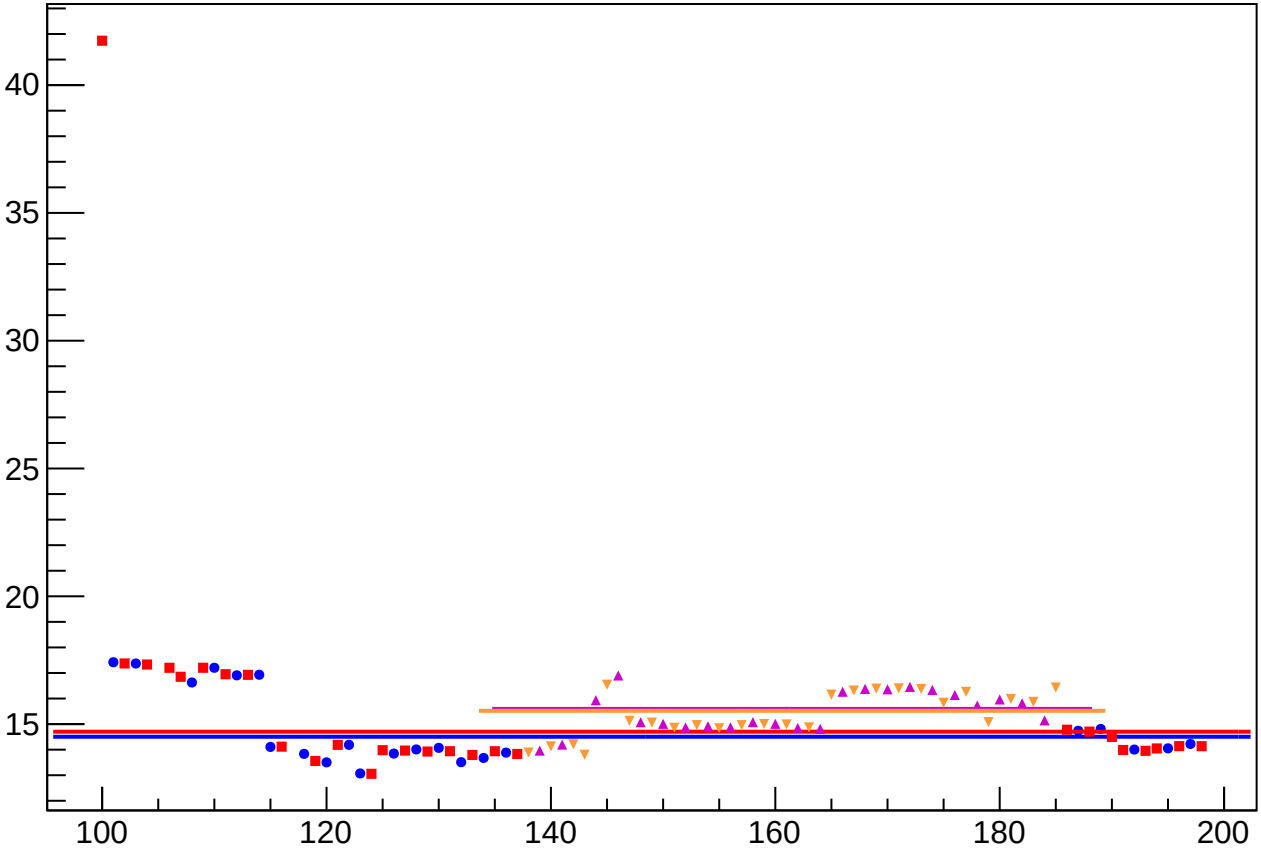
Right: 0.082+/-0.000 χ^2/NDF: 12194012.8/48

In: 0.064+/-0.000 χ^2/NDF:6596575.1/44

Out: 0.062+/-0.000 χ^2/NDF:10219383.0/51

All: 0.063+/-0.000 χ^2/NDF: 16829729.8/96

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.506+/-0.000 χ^2/NDF: 1496545067.4/21

Left Out: 15.521+/-0.000 χ^2/NDF:2591377740.5/24

Right Out: 14.703+/-0.000 χ^2/NDF: 1936225080.0/26

Left In: 15.595+/-0.000 χ^2/NDF:1908733580.5/22

Left: 15.557+/-0.000 χ^2/NDF: 4510008259.4/47

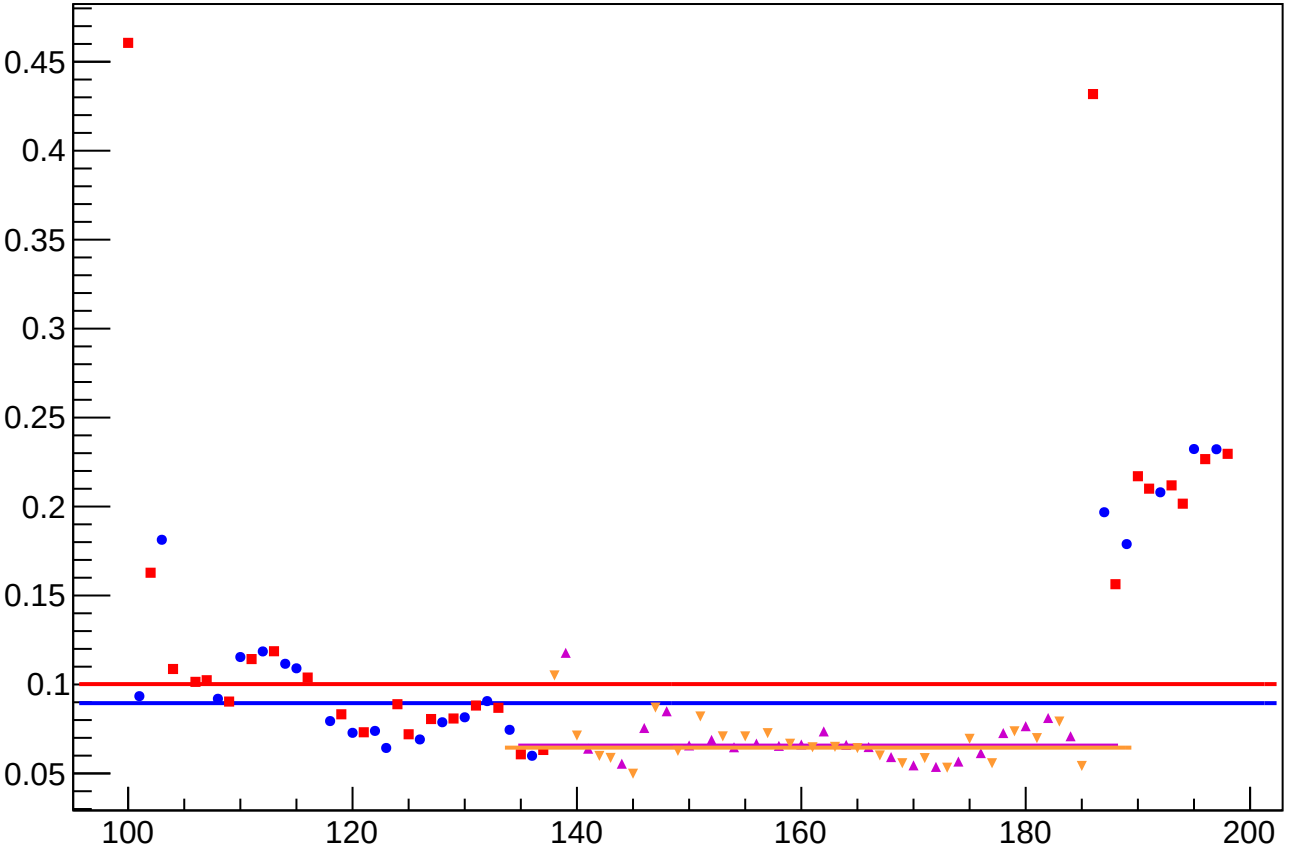
Right: 14.604+/-0.000 χ^2/NDF: 3450642945.6/48

In: 15.364+/-0.000 χ^2/NDF:4270264473.7/44

Out: 15.360+/-0.000 χ^2/NDF:5020822671.3/51

All: 15.362+/-0.000 χ^2/NDF: 9291125422.1/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 2957608.5/21

Left Out: 0.064+/-0.000 χ^2/NDF:761552.3/24

Right Out: 0.100+/-0.000 χ^2/NDF: 3854398.9/26

Left In: 0.066+/-0.000 χ^2/NDF:714703.1/22

Left: 0.065+/-0.000 χ^2/NDF: 1481007.6/47

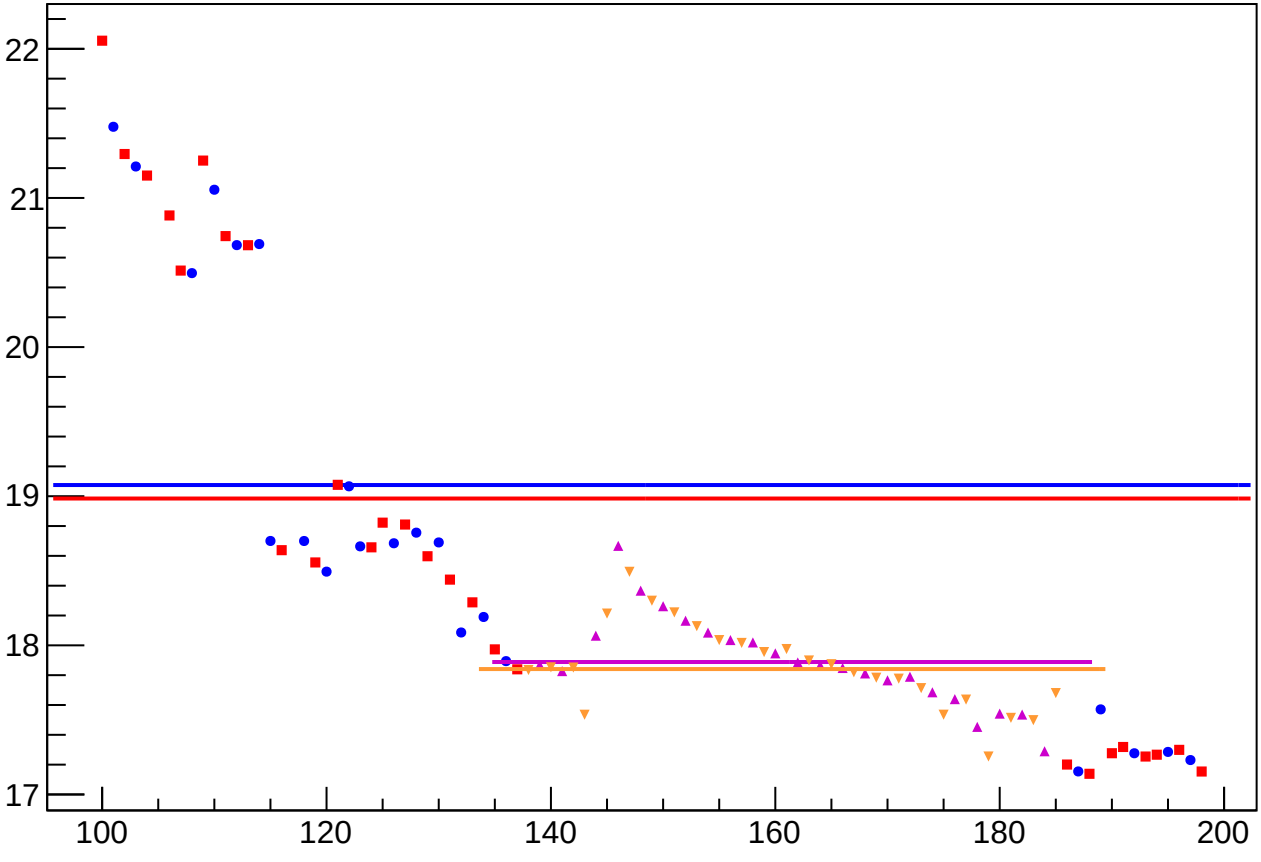
Right: 0.095+/-0.000 χ^2/NDF: 6917446.4/48

In: 0.071+/-0.000 χ^2/NDF:4501690.8/44

Out: 0.072+/-0.000 χ^2/NDF:6494745.8/51

All: 0.071+/-0.000 χ^2/NDF: 10999374.9/96

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.075+/-0.000 χ^2/NDF: 21128760545.5/21

Left Out: 17.841+/-0.000 χ^2/NDF:1283287989.7/24

Right Out: 18.985+/-0.000 χ^2/NDF: 26047569783.3/26

Left In: 17.888+/-0.000 χ^2/NDF:1203002311.3/22

Left: 17.864+/-0.000 χ^2/NDF: 2506375288.6/47

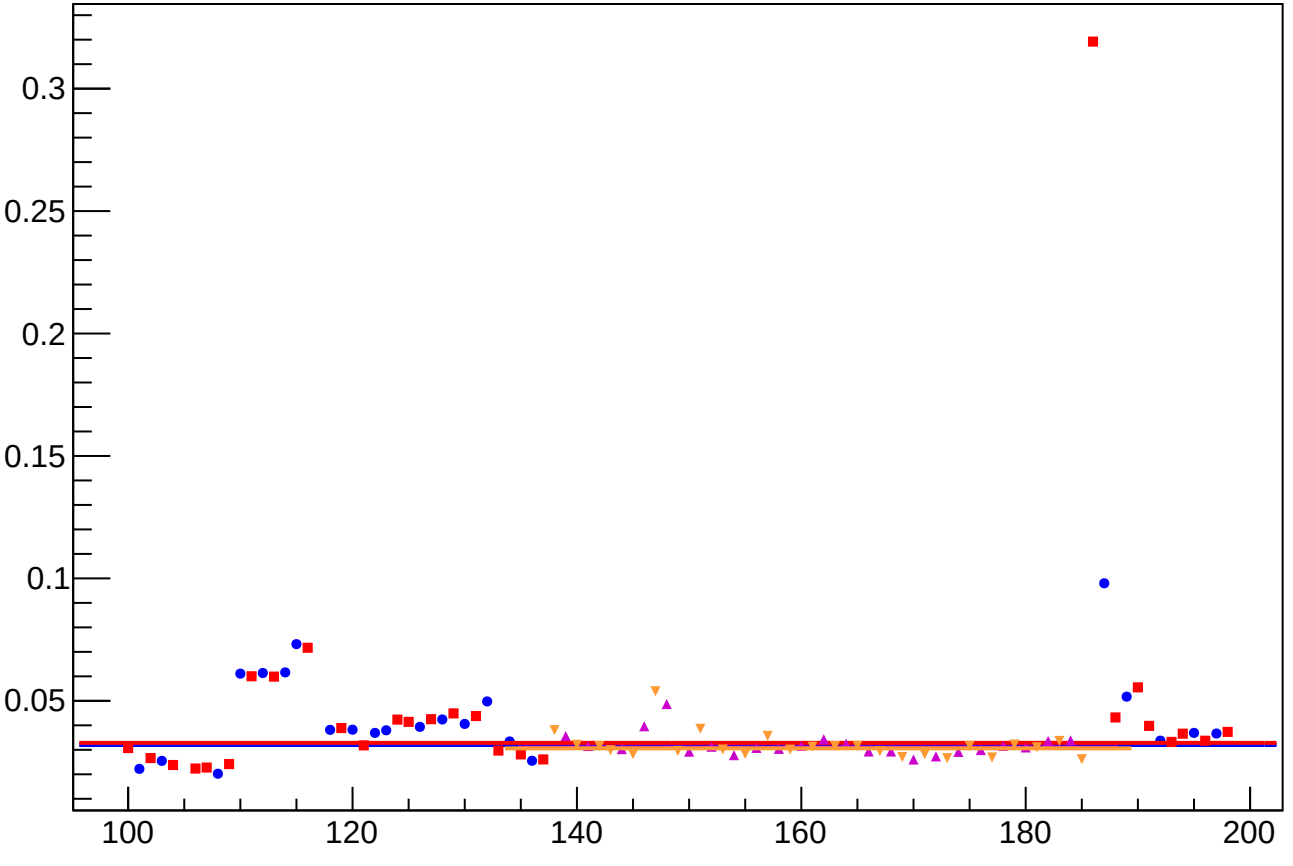
Right: 19.026+/-0.000 χ^2/NDF: 47212238803.3/48

In: 18.268+/-0.000 χ^2/NDF:30147736833.5/44

Out: 18.227+/-0.000 χ^2/NDF:35559024619.7/51

All: 18.246+/-0.000 χ^2/NDF: 65728736395.0

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 1659053.5/21

Left Out: 0.031+/-0.000 χ^2/NDF:590475.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2081102.5/26

Left In: 0.031+/-0.000 χ^2/NDF:453524.6/22

Left: 0.031+/-0.000 χ^2/NDF: 1045553.8/47

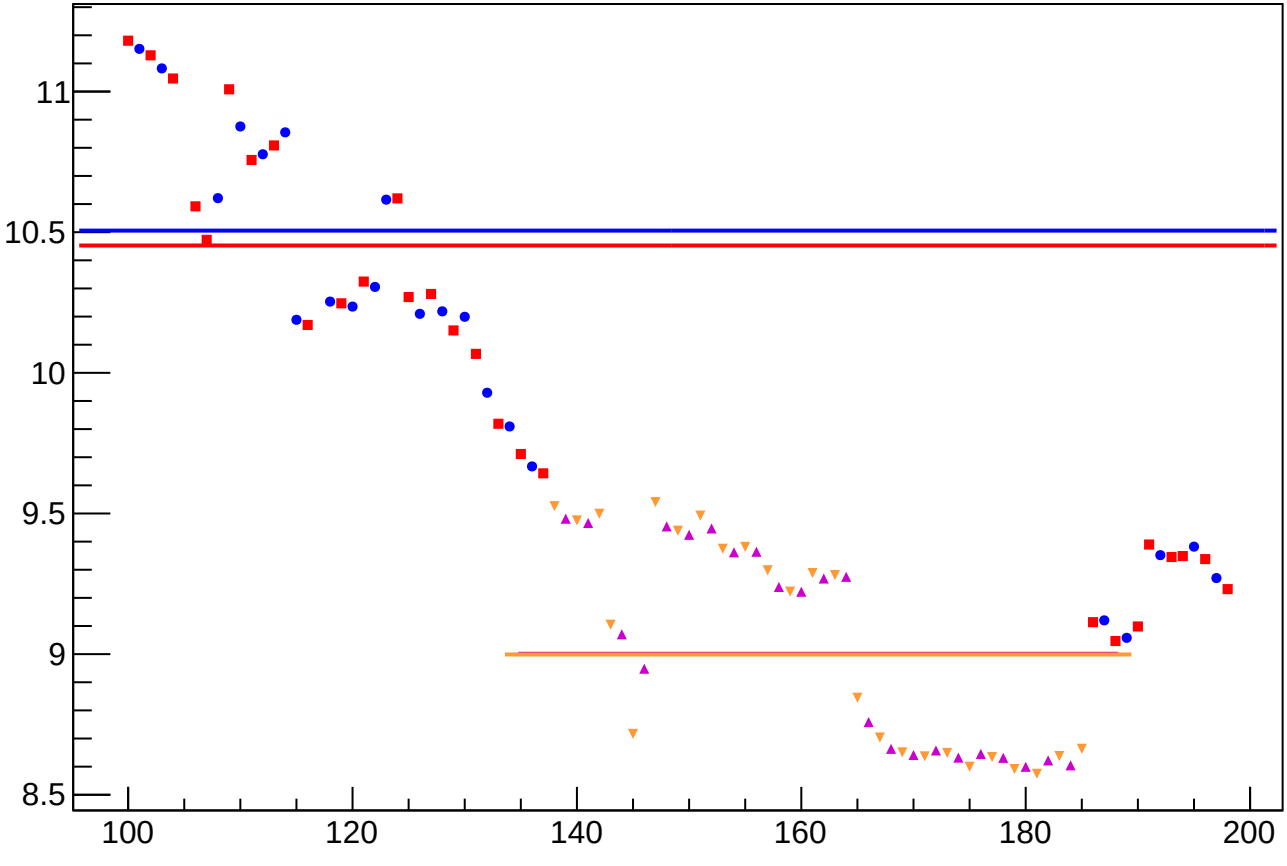
Right: 0.032+/-0.000 χ^2/NDF: 3747055.9/48

In: 0.031+/-0.000 χ^2/NDF:2124924.9/44

Out: 0.031+/-0.000 χ^2/NDF:2734455.5/51

All: 0.031+/-0.000 χ^2/NDF: 4859789.1/96

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.506+/-0.000 χ^2/NDF: 10068109361.1/21

Left Out: 8.999+/-0.000 χ^2/NDF:6392583736.5/24

Right Out: 10.453+/-0.000 χ^2/NDF: 10027402466.1/26

Left In: 9.001+/-0.000 χ^2/NDF:5314536205.4/22

Left: 9.000+/-0.000 χ^2/NDF: 11707260677.5/47

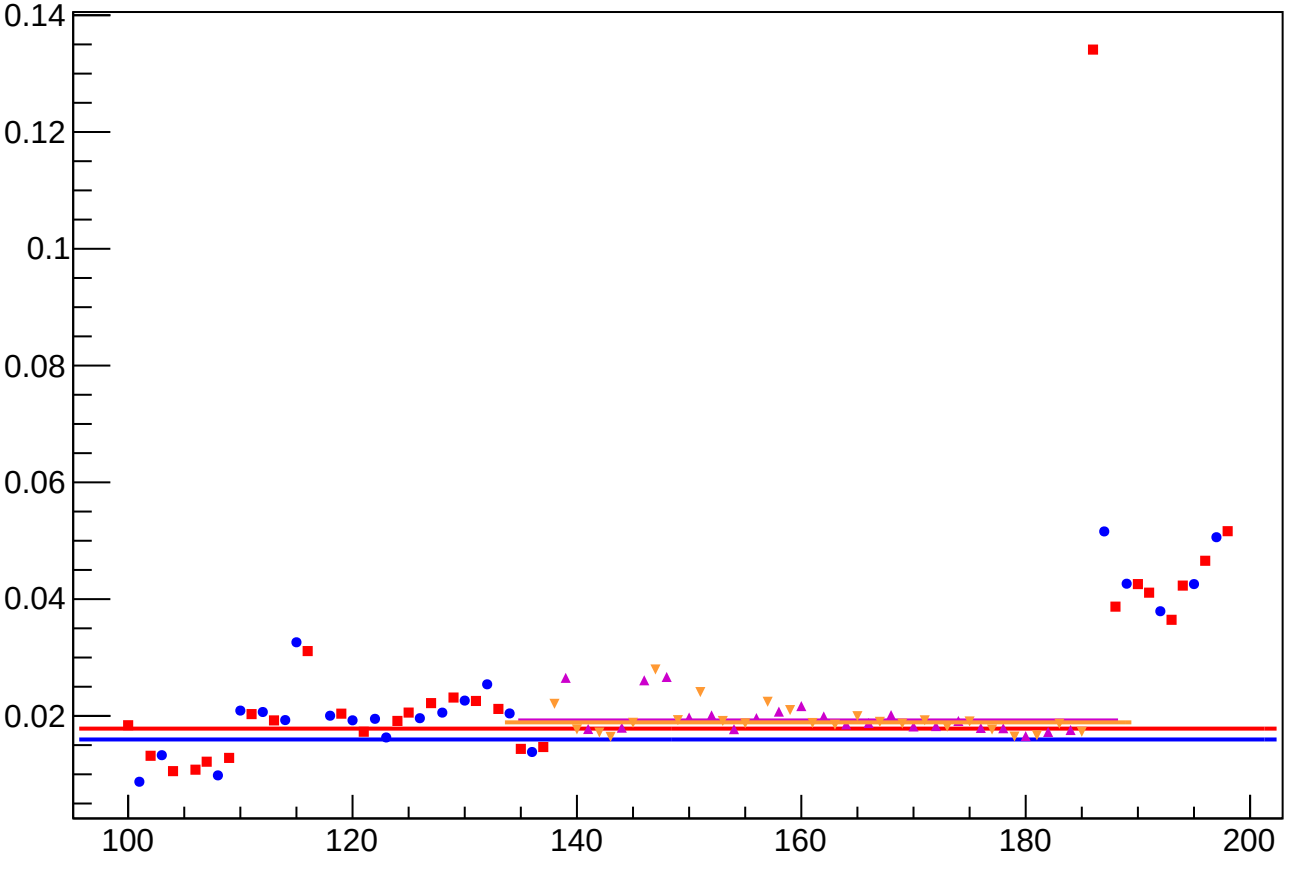
Right: 10.479+/-0.000 χ^2/NDF: 20134341580.9/48

In: 9.592+/-0.000 χ^2/NDF:53421374884.3/44

Out: 9.540+/-0.000 χ^2/NDF:53368360194.5/51

All: 9.565+/-0.000 χ^2/NDF: 106888926366.1

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 3938999.1/21

Left Out: 0.019+/-0.000 χ^2/NDF:428169.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4963021.4/26

Left In: 0.019+/-0.000 χ^2/NDF:481824.0/22

Left: 0.019+/-0.000 χ^2/NDF: 914799.6/47

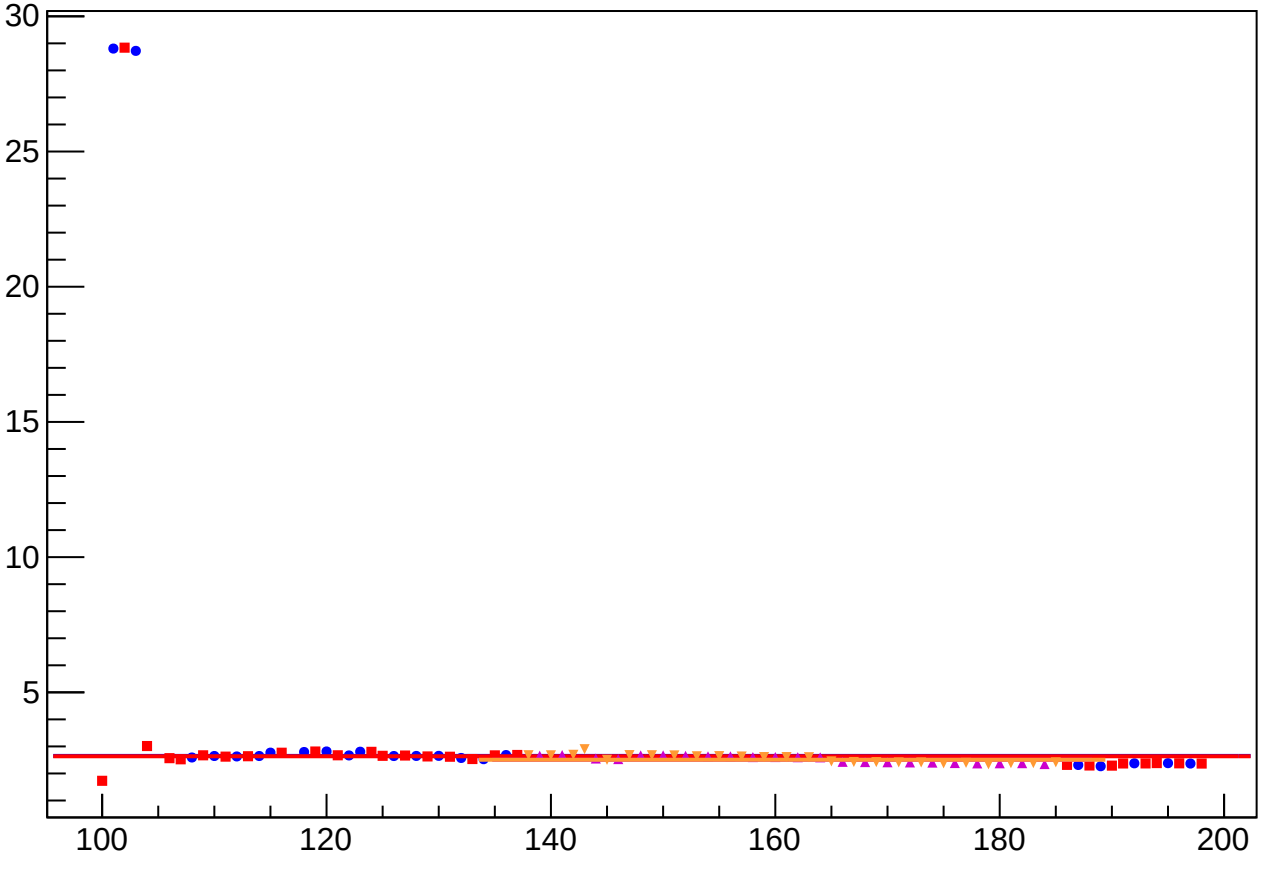
Right: 0.017+/-0.000 χ^2/NDF: 8997945.1/48

In: 0.018+/-0.000 χ^2/NDF:4777939.8/44

Out: 0.018+/-0.000 χ^2/NDF:5431408.0/51

All: 0.018+/-0.000 χ^2/NDF: 10231555.1/96

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.649+/-0.000 χ^2/NDF: 169533446806.5/21

Left Out: 2.507+/-0.000 χ^2/NDF:64277969186.7/24

Right Out: 2.636+/-0.000 χ^2/NDF: 81876297714.9/26

Left In: 2.505+/-0.000 χ^2/NDF:42893630742.5/22

Left: 2.506+/-0.000 χ^2/NDF: 107174595641.7/47

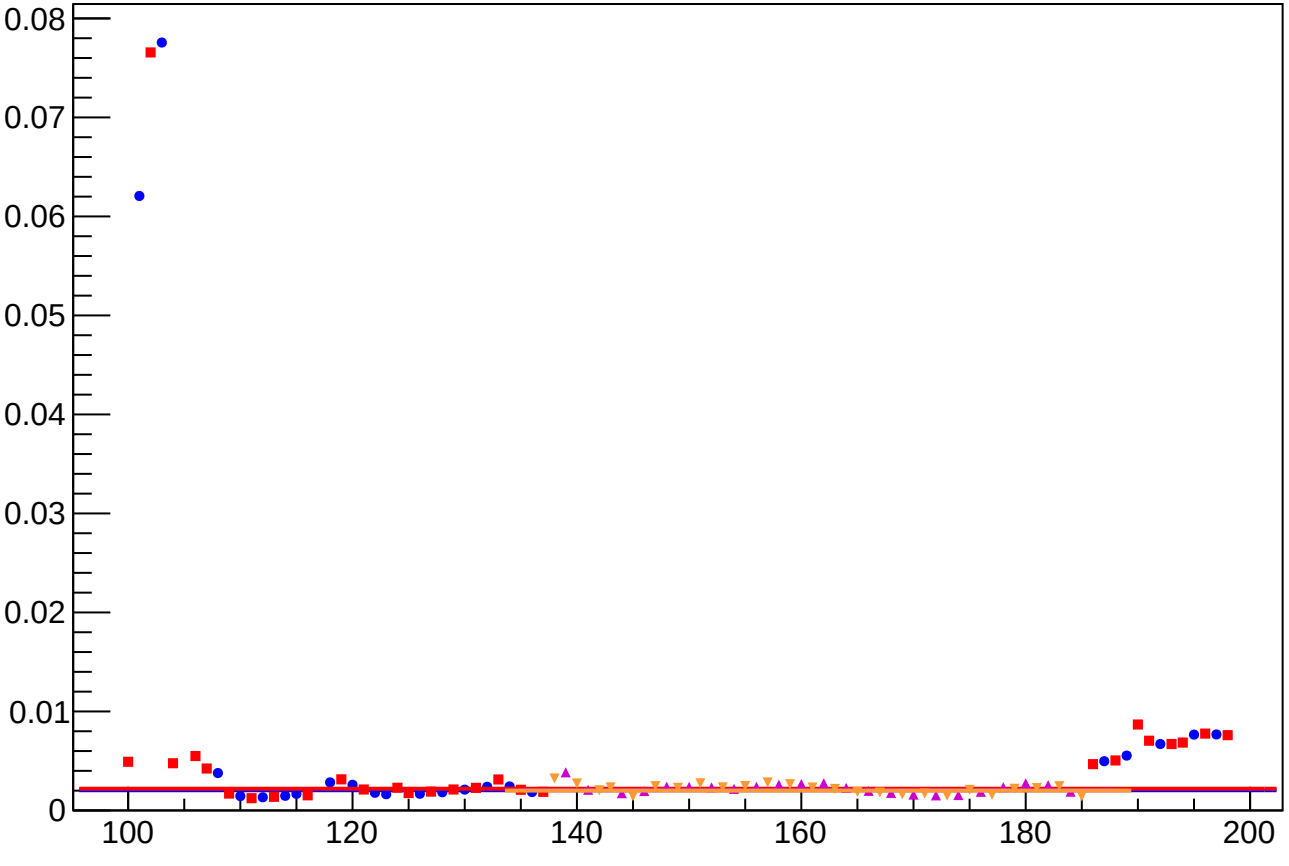
Right: 2.642+/-0.000 χ^2/NDF: 251539939845.4/48

In: 2.548+/-0.000 χ^2/NDF:232898417856.1/44

Out: 2.545+/-0.000 χ^2/NDF:164157962683.0/51

All: 2.546+/-0.000 χ^2/NDF: 397089034151.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5748335.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:1469103.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7028230.7/26

Left In: 0.002+/-0.000 χ^2/NDF:1303230.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2781893.0/47

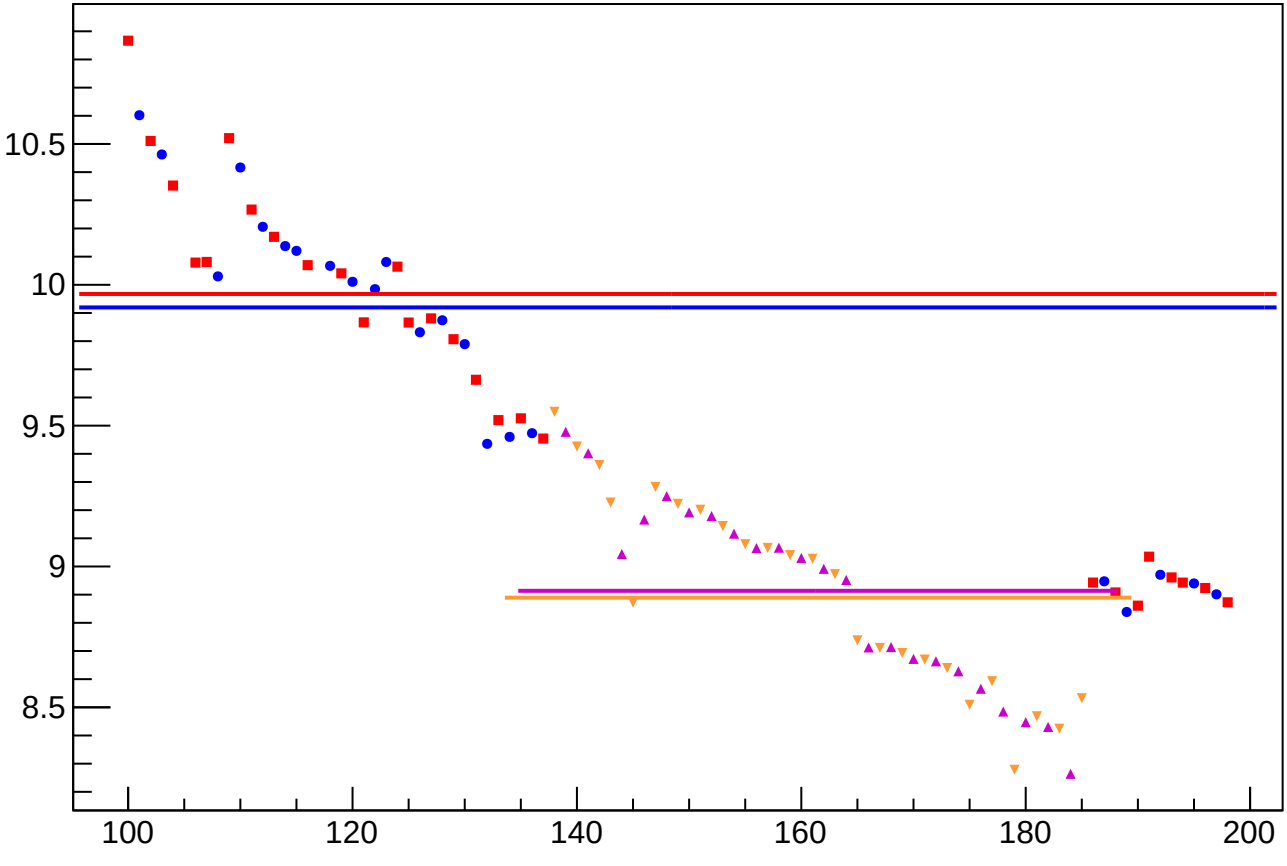
Right: 0.002+/-0.000 χ^2/NDF: 12810152.2/48

In: 0.002+/-0.000 χ^2/NDF:7052081.3/44

Out: 0.002+/-0.000 χ^2/NDF:8573224.4/51

All: 0.002+/-0.000 χ^2/NDF: 15625591.5/96

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.920+/-0.000 χ^2/NDF: 32228981536.3/21

Left Out: 8.889+/-0.000 χ^2/NDF:34704694045.9/24

Right Out: 9.968+/-0.000 χ^2/NDF: 39824335873.2/26

Left In: 8.914+/-0.000 χ^2/NDF:28497227562.7/22

Left: 8.901+/-0.000 χ^2/NDF: 63312247922.6/47

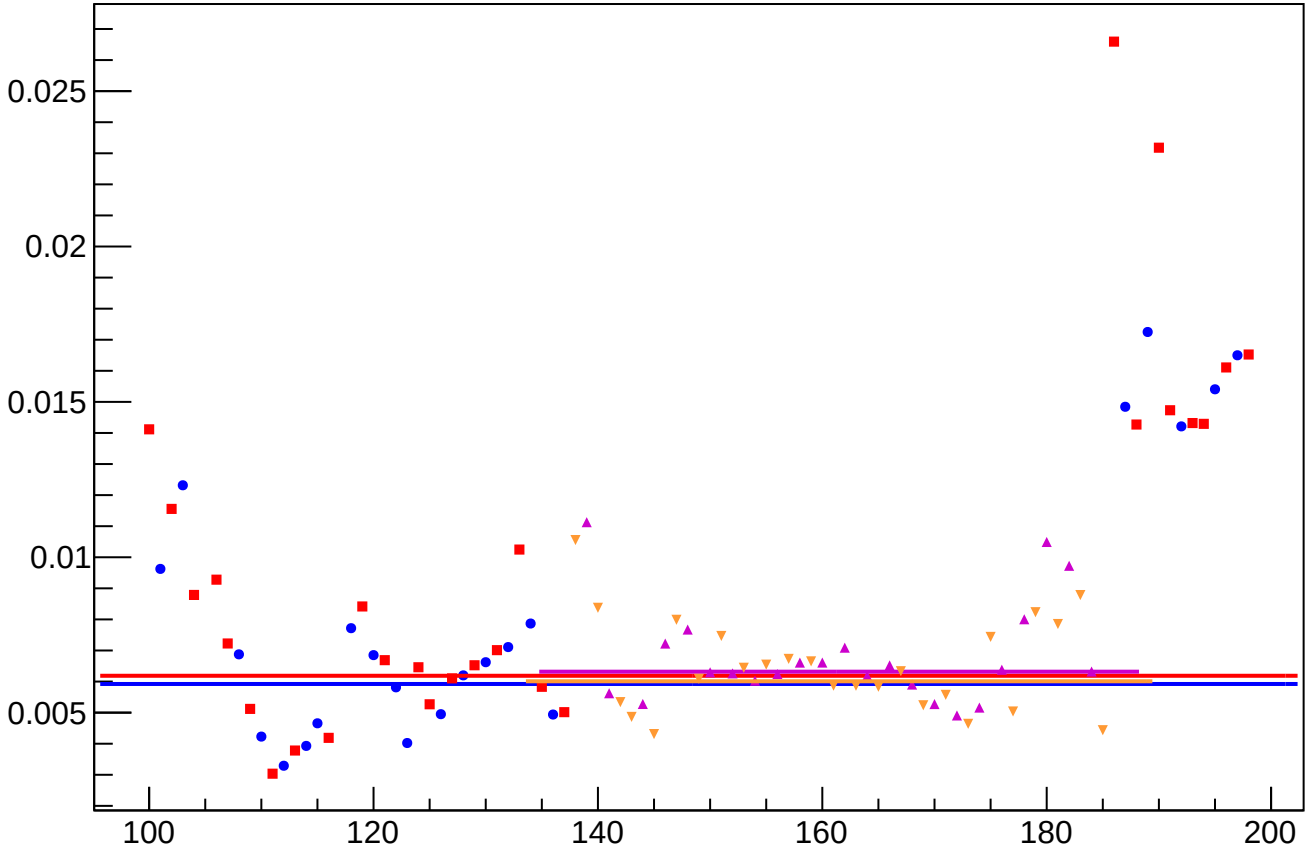
Right: 9.945+/-0.000 χ^2/NDF: 72284631973.6/48

In: 9.273+/-0.000 χ^2/NDF:186715063115.7/44

Out: 9.261+/-0.000 χ^2/NDF:235761493171.1/51

All: 9.267+/-0.000 χ^2/NDF: 422522158901.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 3693758.3/21

Left Out: 0.006+/-0.000 χ^2/NDF:1312525.9/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5739915.5/26

Left In: 0.006+/-0.000 χ^2/NDF:1087051.3/22

Left: 0.006+/-0.000 χ^2/NDF: 2435218.5/47

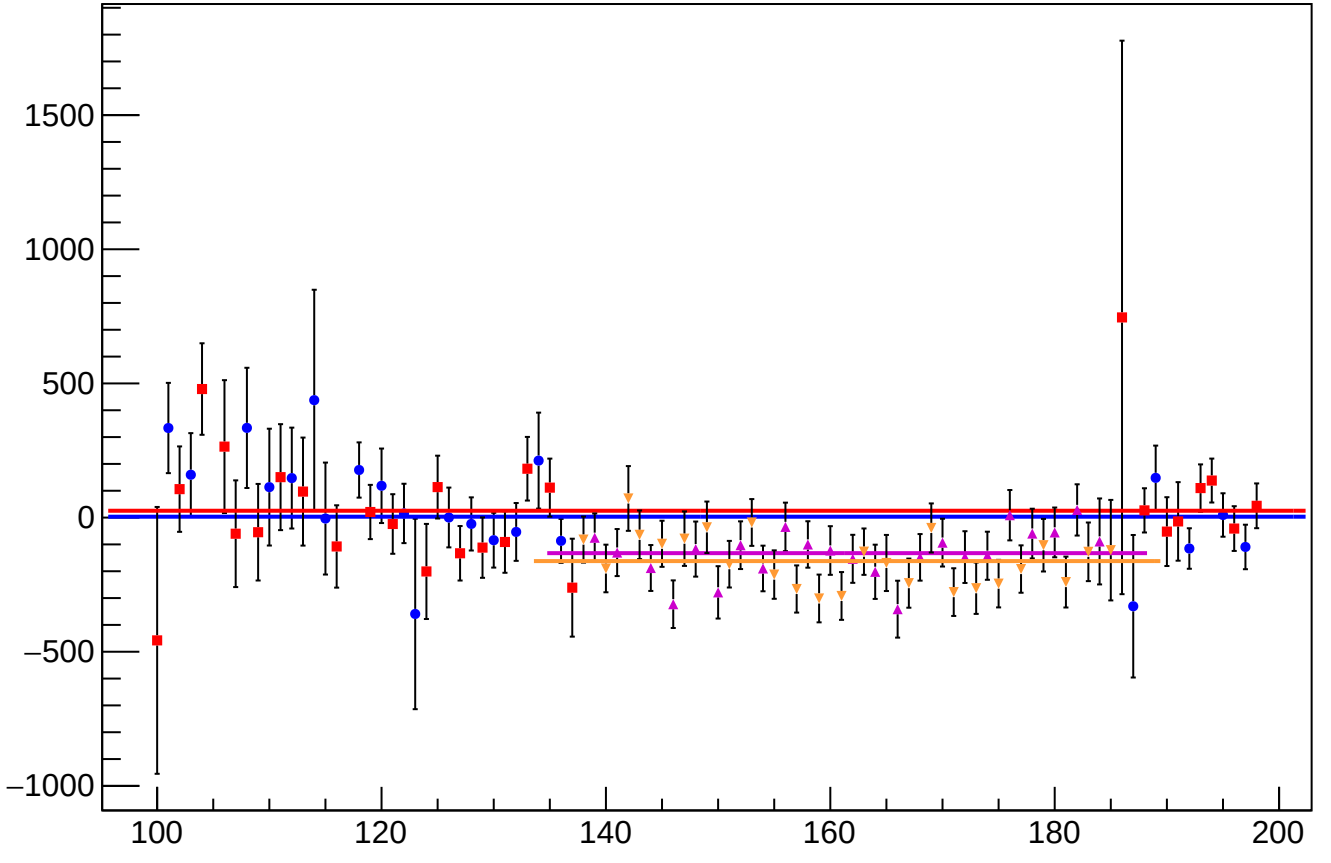
Right: 0.006+/-0.000 χ^2/NDF: 9447803.6/48

In: 0.006+/-0.000 χ^2/NDF:4819825.9/44

Out: 0.006+/-0.000 χ^2/NDF:7061168.4/51

All: 0.006+/-0.000 χ^2/NDF: 11887500.6/96

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 3.264+/-25.710 χ^2/NDF: 24.6/21

Left Out: -162.161+/-18.745 χ^2/NDF:25.7/24

Right Out: 25.478+/-23.662 χ^2/NDF: 27.5/26

Left In: -132.557+/-19.403 χ^2/NDF:20.7/22

Left: -147.870+/-13.481 χ^2/NDF: 47.6/47

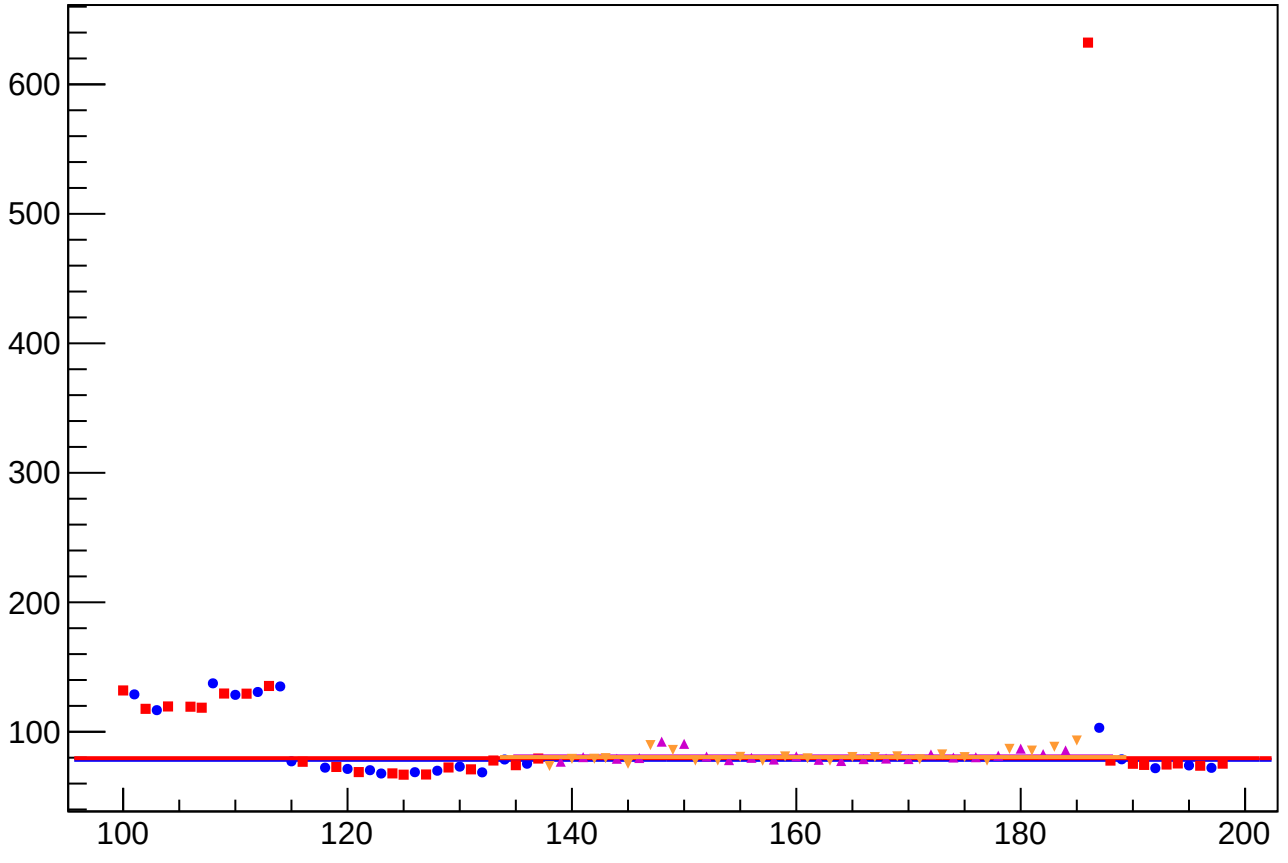
Right: 15.291+/-17.411 χ^2/NDF: 52.5/48

In: -83.271+/-15.488 χ^2/NDF:63.2/44

Out: -89.810+/-14.693 χ^2/NDF:91.8/51

All: -86.712+/-10.659 χ^2/NDF: 155.1/96

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 78.355+/-0.018 χ^2/NDF: 867961.5/21

Left Out: 80.459+/-0.013 χ^2/NDF:89942.2/24

Right Out: 79.611+/-0.017 χ^2/NDF: 1531893.3/26

Left In: 81.014+/-0.014 χ^2/NDF:72250.2/22

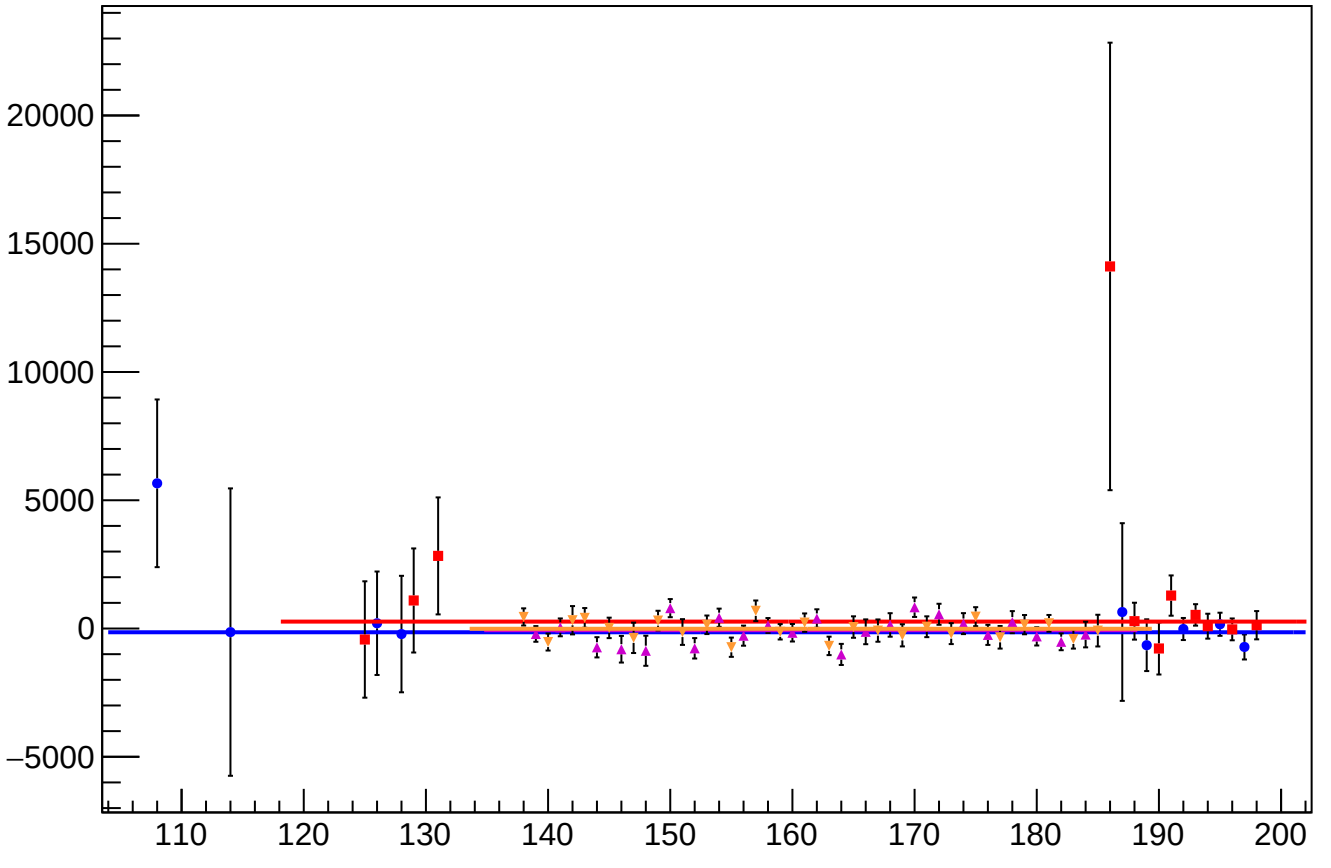
Left: 80.727+/-0.010 χ^2/NDF: 163039.2/47

Right: 79.035+/-0.012 χ^2/NDF: 2402438.7/48

In: 80.049+/-0.011 χ^2/NDF:953843.4/44

Out: 80.132+/-0.010 χ^2/NDF:1623414.5/51

All: 80.092+/-0.008 χ^2/NDF: 2577288.0/96



Right In: -145.943+/-248.784 χ^2/NDF: 5.4/8

Left Out: -10.486+/-78.391 χ^2/NDF:22.5/24

Right Out: 269.598+/-204.362 χ^2/NDF: 7.9/10

Left In: -64.591+/-80.047 χ^2/NDF:37.4/22

Left: -36.973+/-56.007 χ^2/NDF: 60.2/47

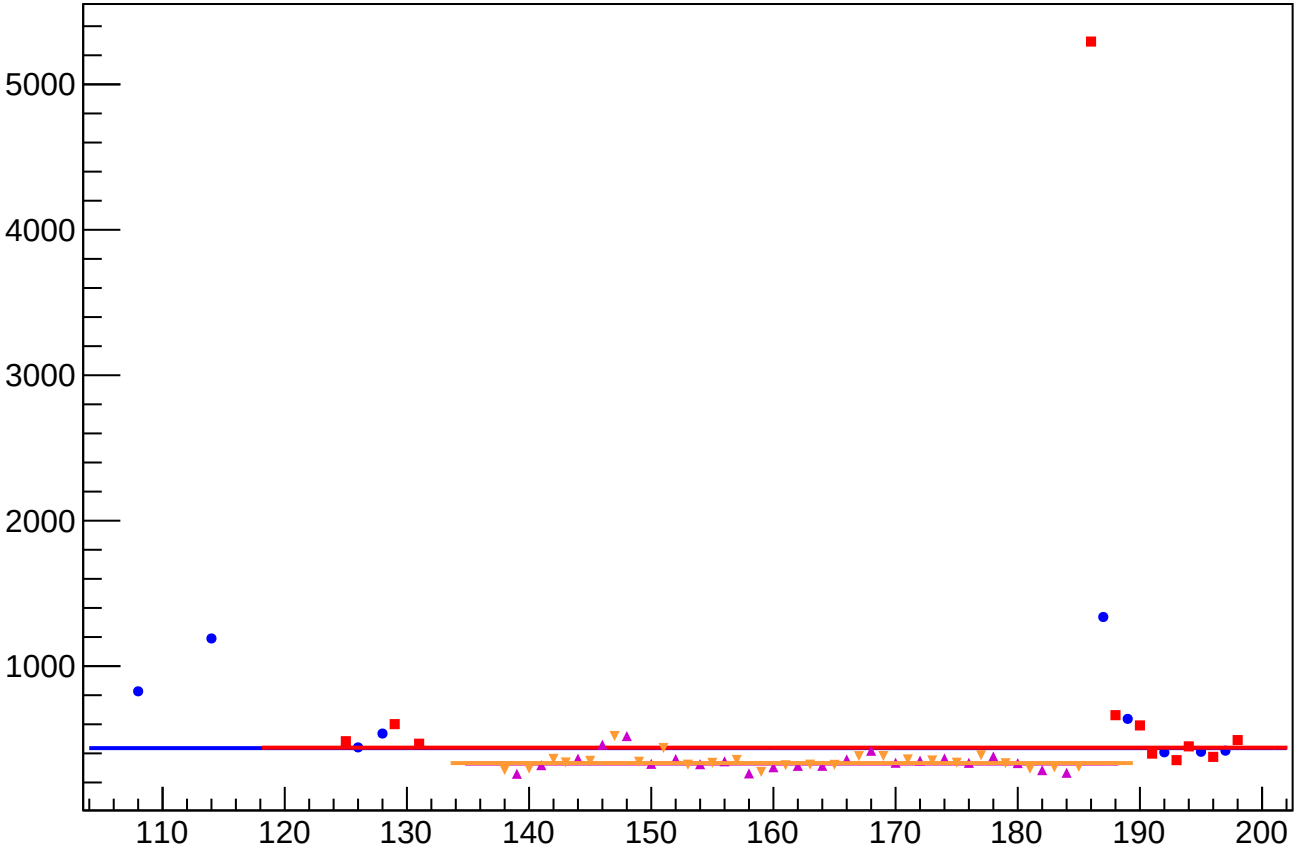
Right: 102.176+/-157.915 χ^2/NDF: 15.0/19

In: -72.223+/-76.200 χ^2/NDF:42.9/31

Out: 25.439+/-73.191 χ^2/NDF:32.1/35

All: -21.426+/-52.785 χ^2/NDF: 75.8/67

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 436.192+/-0.176 χ^2/NDF: 301708.6/8

Left Out: 333.233+/-0.055 χ^2/NDF:592122.2/24

Right Out: 439.389+/-0.145 χ^2/NDF: 1024322.8/10

Left In: 329.985+/-0.057 χ^2/NDF:795969.0/22

Left: 331.643+/-0.040 χ^2/NDF: 1389771.8/47

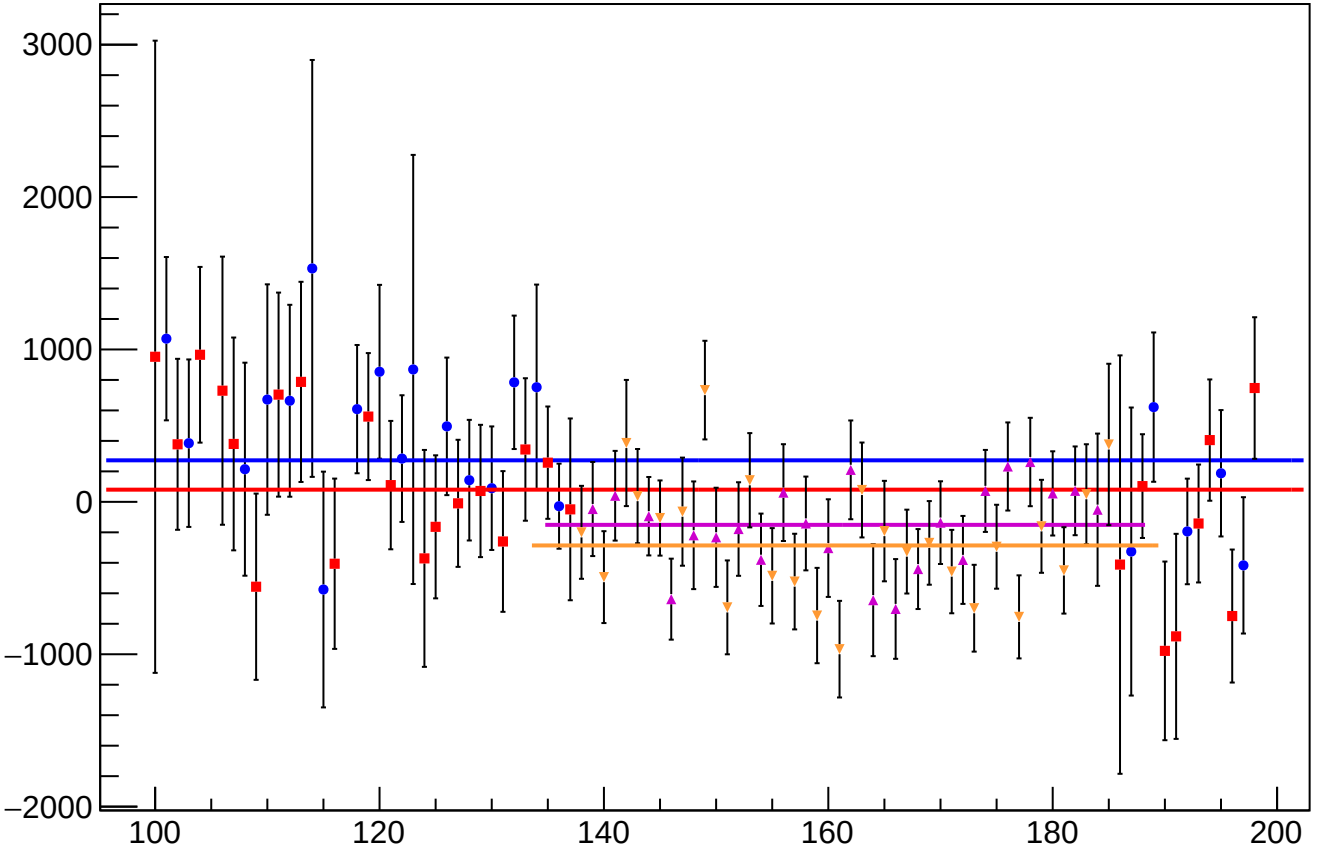
Right: 438.101+/-0.112 χ^2/NDF: 1326228.5/19

In: 339.949+/-0.054 χ^2/NDF:1427973.8/31

Out: 346.849+/-0.052 χ^2/NDF:2086876.6/35

All: 343.538+/-0.037 χ^2/NDF: 3523381.4/67

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 272.496+/-104.029 χ^2/NDF: 15.6/21

Left Out: -286.030+/-61.095 χ^2/NDF:36.6/24

Right Out: 80.026+/-97.235 χ^2/NDF: 22.7/26

Left In: -150.920+/-62.818 χ^2/NDF:18.7/22

Left: -220.353+/-43.797 χ^2/NDF: 57.6/47

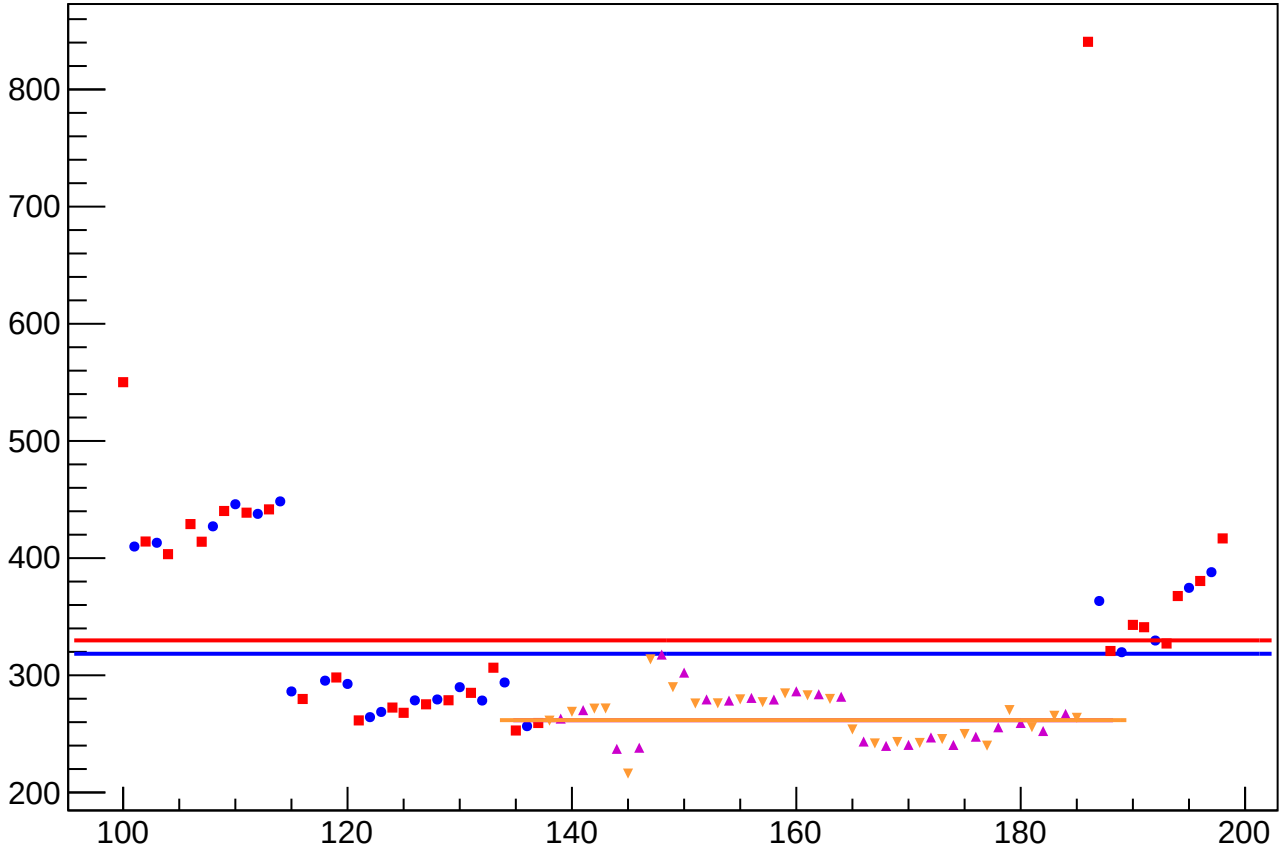
Right: 169.771+/-71.036 χ^2/NDF: 40.1/48

In: -37.783+/-53.774 χ^2/NDF:46.4/44

Out: -182.420+/-51.731 χ^2/NDF:69.4/51

All: -112.902+/-37.281 χ^2/NDF: 119.6/96

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 318.381+/-0.074 χ^2/NDF: 617094.0/21

Left Out: 261.722+/-0.043 χ^2/NDF:233222.6/24

Right Out: 329.790+/-0.069 χ^2/NDF: 1055292.8/26

Left In: 261.637+/-0.044 χ^2/NDF:228241.3/22

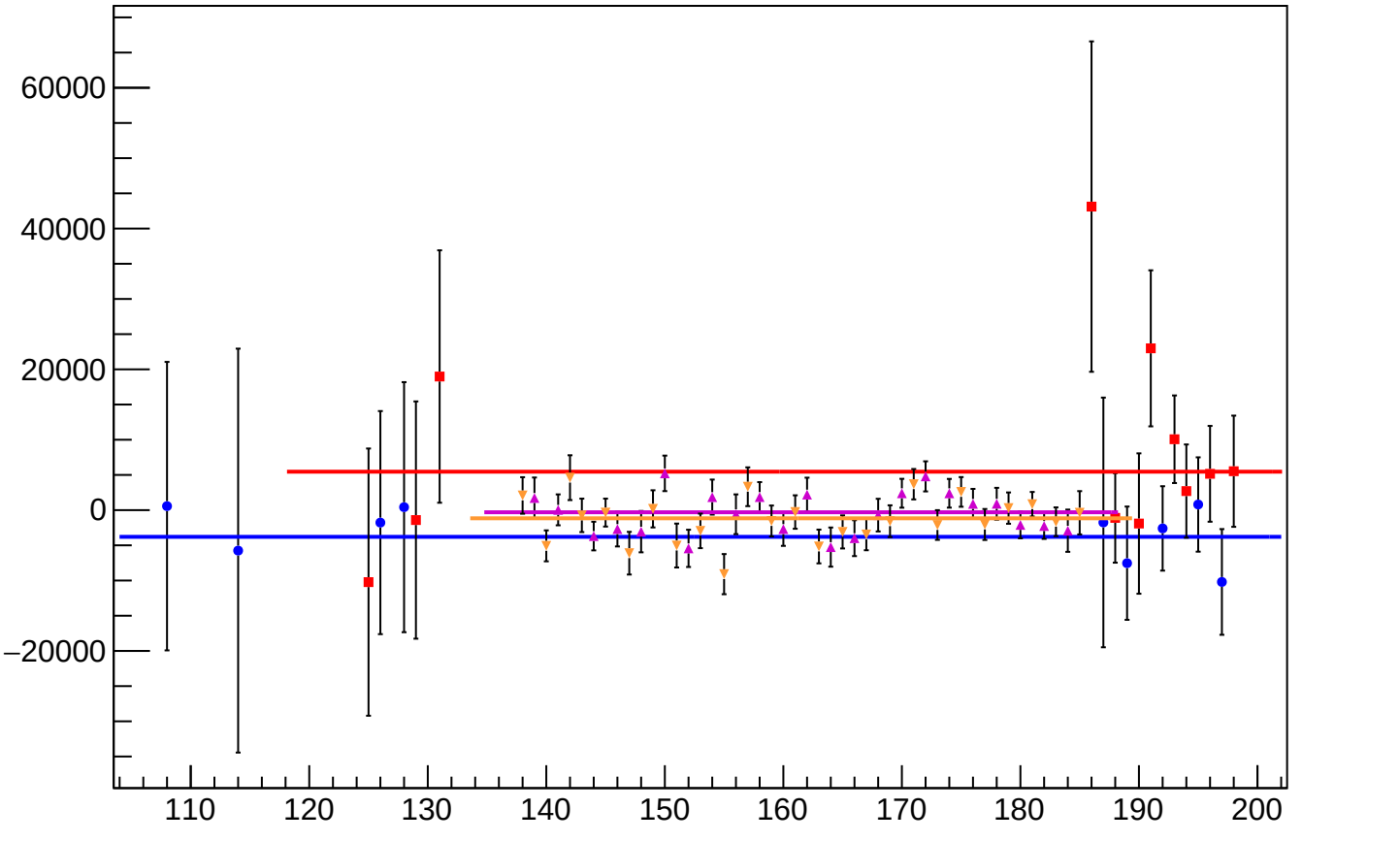
Left: 261.680+/-0.031 χ^2/NDF: 461465.7/47

Right: 324.470+/-0.050 χ^2/NDF: 1685224.4/48

In: 276.799+/-0.038 χ^2/NDF:1281402.6/44

Out: 280.988+/-0.037 χ^2/NDF:1991208.9/51

All: 278.974+/-0.026 χ^2/NDF: 3278915.2/96



Right In: -3793.426+/-3207.249 χ^2/NDF: 1.6/8

Left Out: -1161.443+/-469.036 χ^2/NDF:38.8/24

Right Out: 5460.671+/-2668.968 χ^2/NDF: 8.8/10

Left In: -304.366+/-483.778 χ^2/NDF:35.4/22

Left: -746.162+/-336.750 χ^2/NDF: 75.7/47

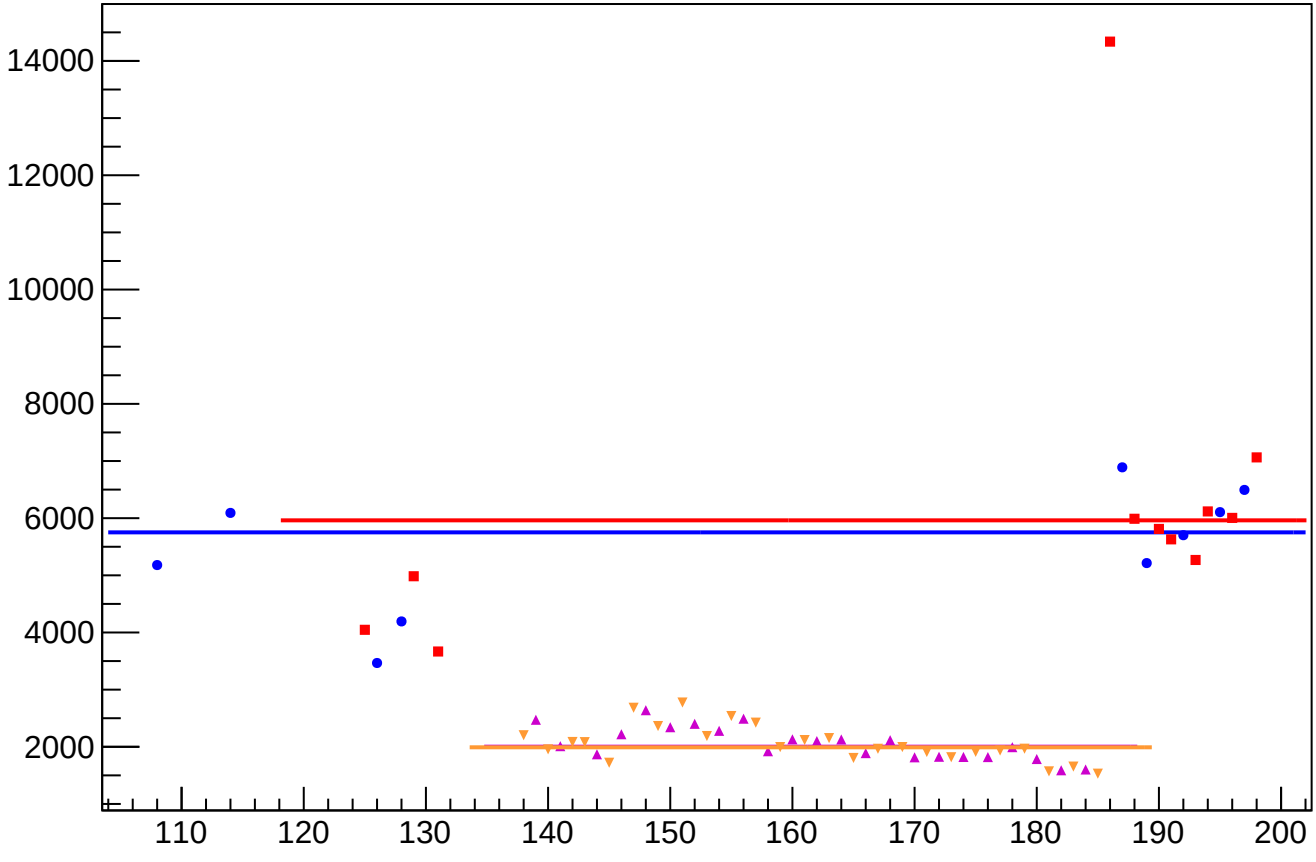
Right: 1674.274+/-2051.534 χ^2/NDF: 15.3/19

In: -381.985+/-478.367 χ^2/NDF:38.1/31

Out: -963.056+/-461.957 χ^2/NDF:53.6/35

All: -682.657+/-332.303 χ^2/NDF: 92.4/67

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5751.806+/-2.268 χ^2/NDF: 101292.7/8

Left Out: 1991.105+/-0.332 χ^2/NDF:726310.6/24

Right Out: 5962.138+/-1.887 χ^2/NDF: 381845.2/10

Left In: 2002.154+/-0.342 χ^2/NDF:585947.4/22

Left: 1996.458+/-0.238 χ^2/NDF: 1312795.7/47

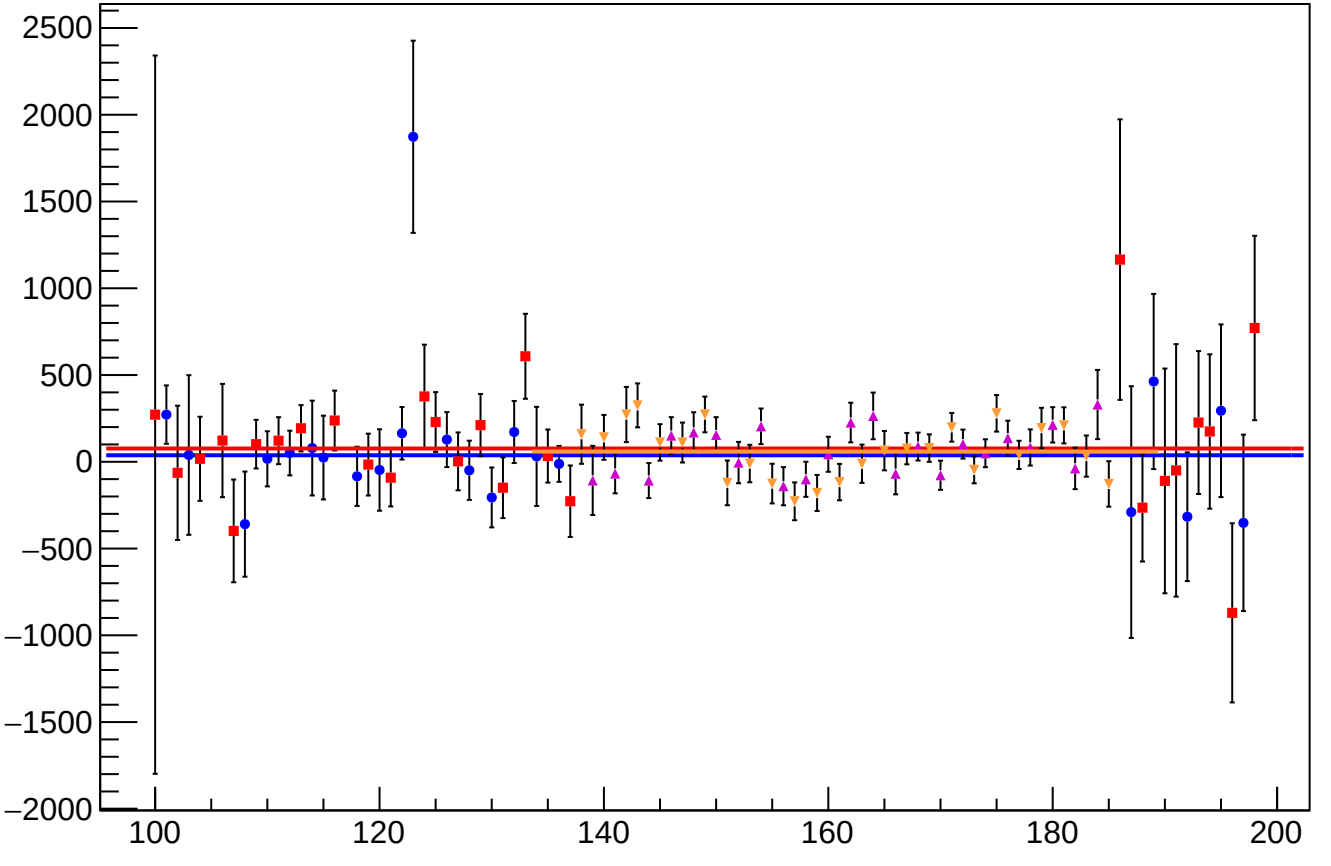
Right: 5876.079+/-1.451 χ^2/NDF: 488220.0/19

In: 2085.569+/-0.338 χ^2/NDF:3360099.8/31

Out: 2110.070+/-0.327 χ^2/NDF:5402932.6/35

All: 2098.247+/-0.235 χ^2/NDF: 8765747.1/67

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 37.637+/-42.786 χ^2/NDF: 22.1/21

Left Out: 58.983+/-21.137 χ^2/NDF:46.9/24

Right Out: 76.565+/-41.887 χ^2/NDF: 25.5/26

Left In: 59.235+/-21.921 χ^2/NDF:29.4/22

Left: 59.104+/-15.216 χ^2/NDF: 76.3/47

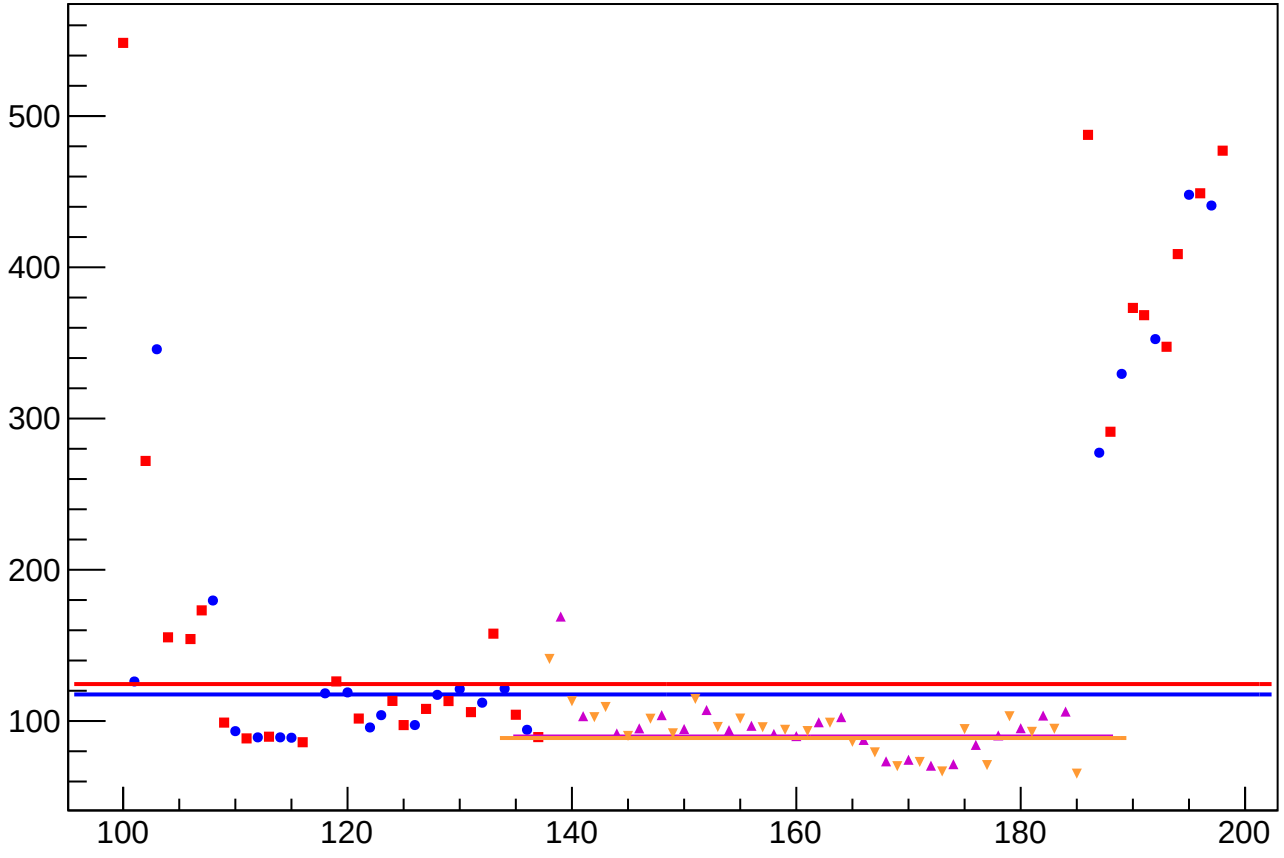
Right: 57.514+/-29.931 χ^2/NDF: 48.0/48

In: 54.744+/-19.510 χ^2/NDF:51.7/44

Out: 62.551+/-18.871 χ^2/NDF:72.5/51

All: 58.778+/-13.564 χ^2/NDF: 124.3/96

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.563+/-0.030 χ^2/NDF: 3897347.6/21

Left Out: 88.748+/-0.015 χ^2/NDF:1079338.8/24

Right Out: 124.429+/-0.030 χ^2/NDF: 5766693.0/26

Left In: 89.766+/-0.016 χ^2/NDF:885818.0/22

Left: 89.238+/-0.011 χ^2/NDF: 1967390.0/47

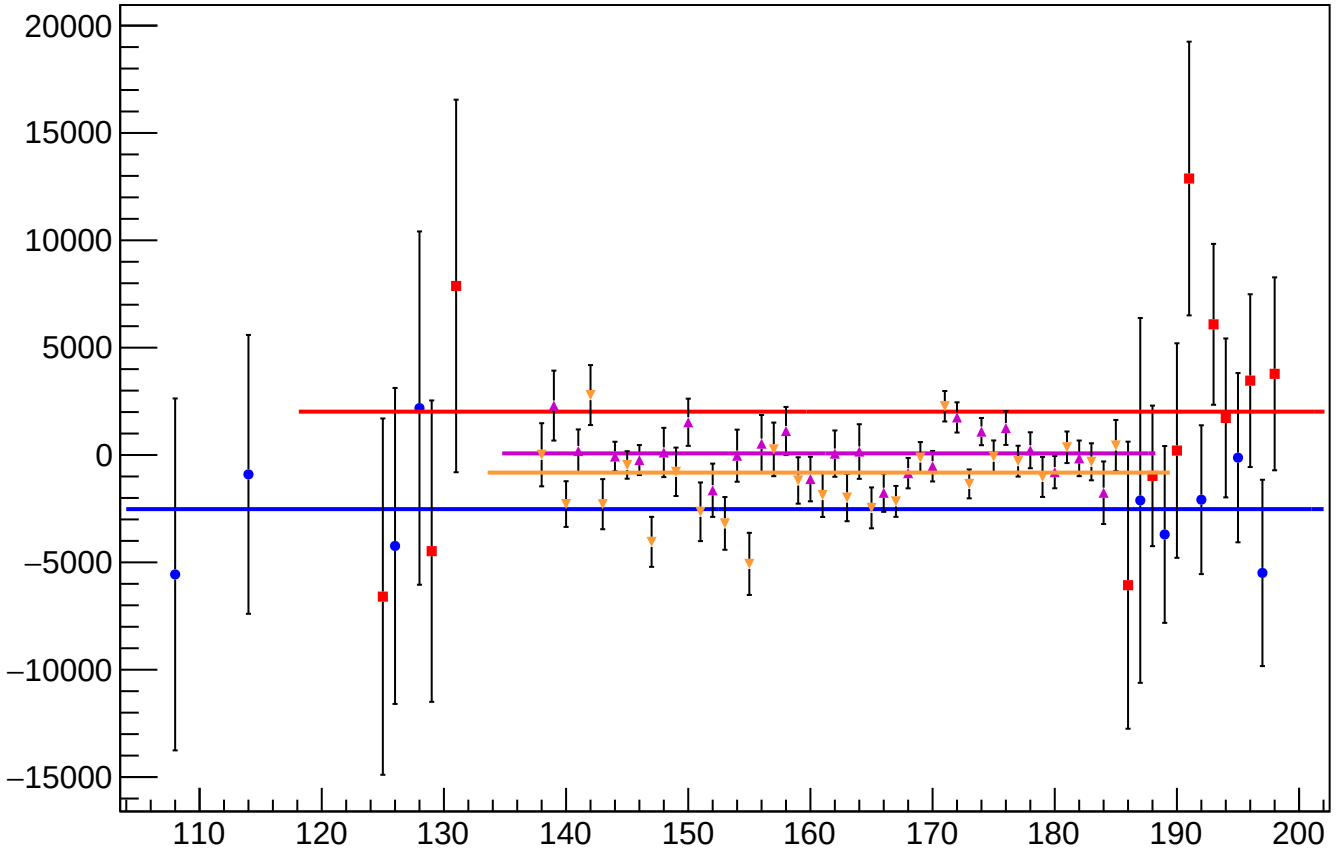
Right: 121.069+/-0.021 χ^2/NDF: 9690339.2/48

In: 95.545+/-0.014 χ^2/NDF:5451808.3/44

Out: 95.990+/-0.013 χ^2/NDF:8002711.2/51

All: 95.775+/-0.010 χ^2/NDF: 13455056.6/96

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2520.100+/-1701.557 χ^2/NDF: 1.5/8

Left Out: -818.877+/-184.464 χ^2/NDF:68.2/24

Right Out: 2019.804+/-1437.365 χ^2/NDF: 9.2/10

Left In: 76.204+/-186.651 χ^2/NDF:28.3/22

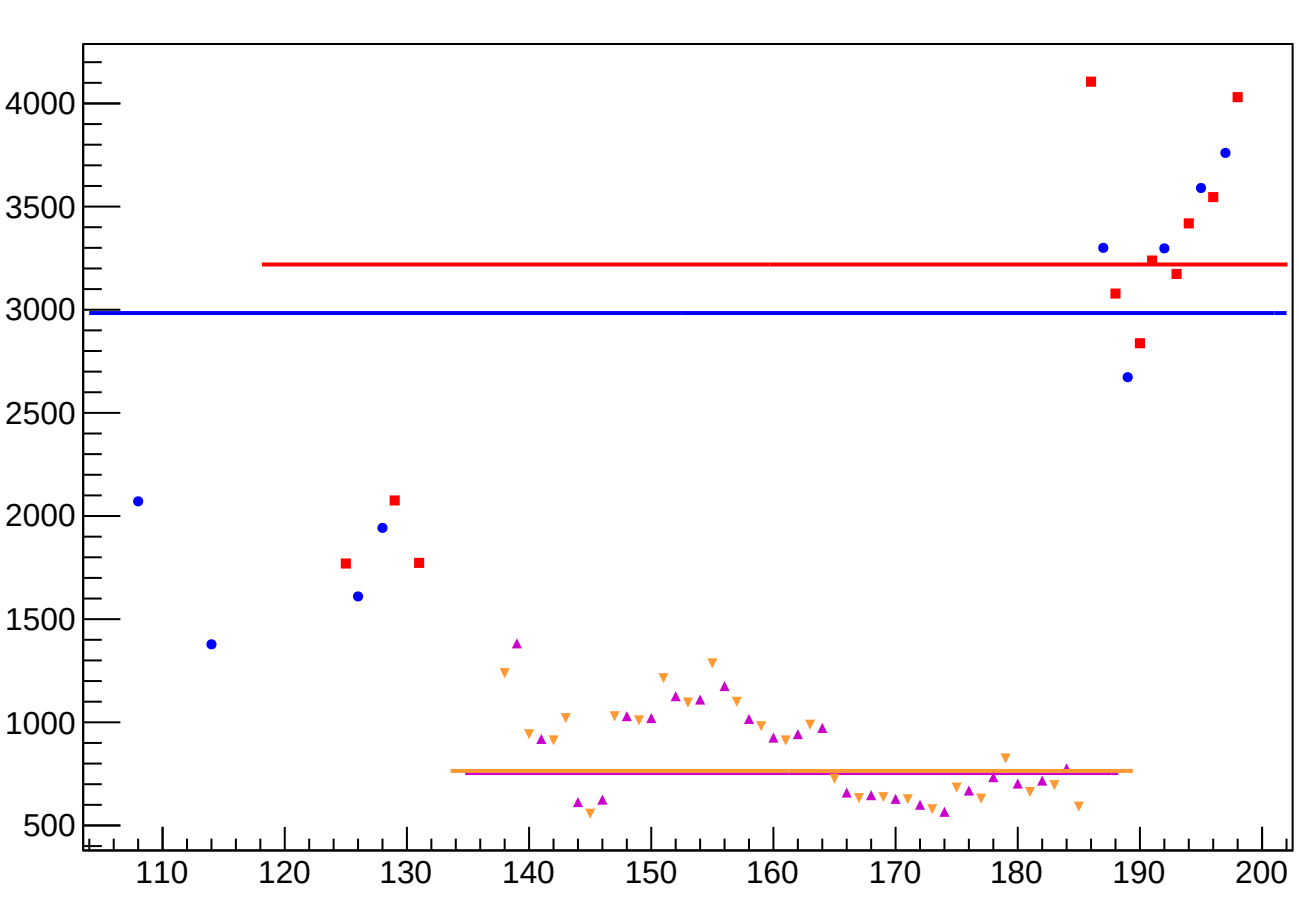
Left: -376.610+/-131.202 χ^2/NDF: 108.1/47

Right: 129.273+/-1098.032 χ^2/NDF: 14.9/19

In: 45.335+/-185.538 χ^2/NDF:32.1/31

Out: -772.882+/-182.963 χ^2/NDF:81.2/35

All: -369.489+/-130.275 χ^2/NDF: 123.2/67



Right In: 2983.906+/-1.203 χ^2/NDF: 390668.5/8

Left Out: 764.280+/-0.130 χ^2/NDF:2315985.8/24

Right Out: 3219.379+/-1.016 χ^2/NDF: 304757.1/10

Left In: 754.027+/-0.132 χ^2/NDF:2013386.7/22

Left: 759.214+/-0.093 χ^2/NDF: 4332425.4/47

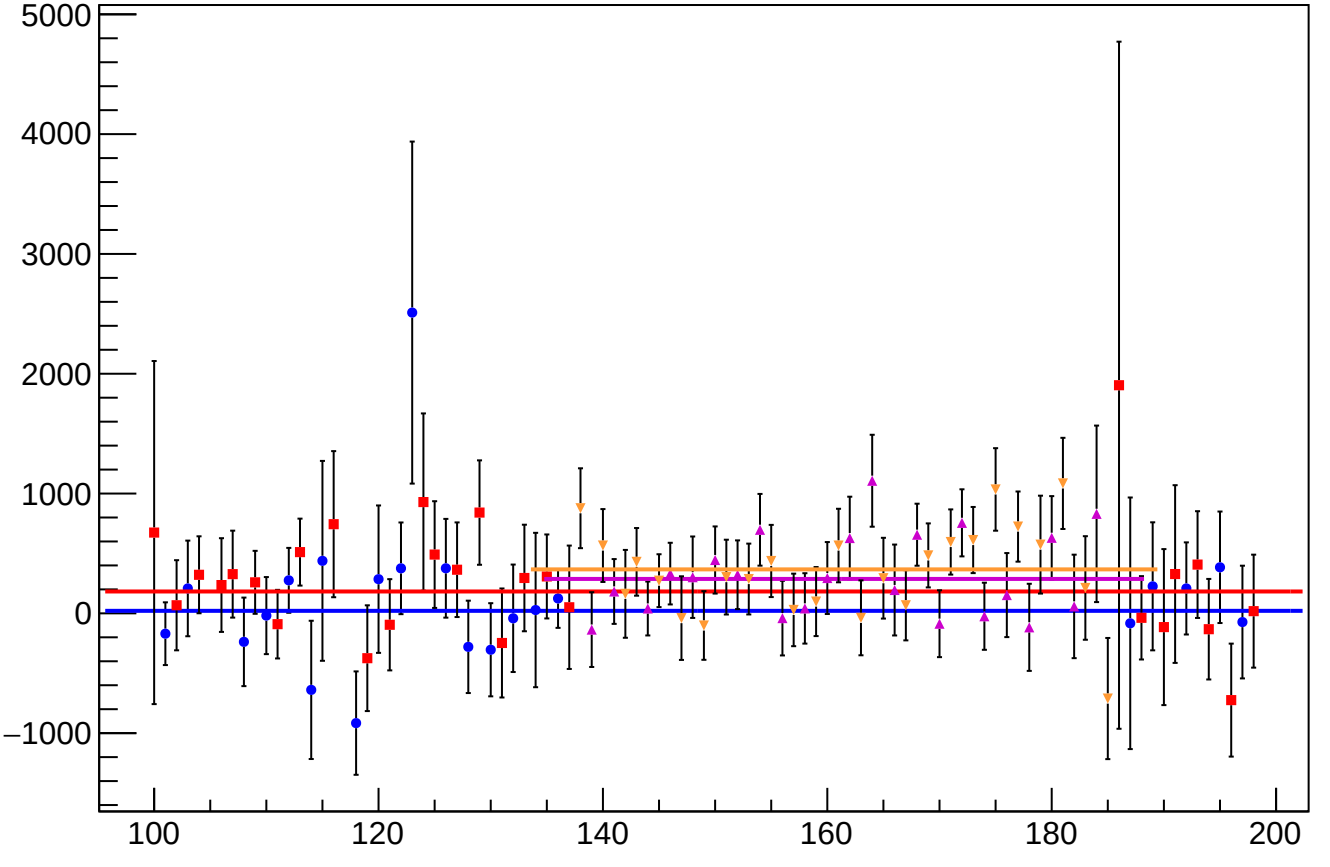
Right: 3121.322+/-0.776 χ^2/NDF: 717777.5/19

In: 780.539+/-0.131 χ^2/NDF:5798003.0/31

Out: 804.059+/-0.129 χ^2/NDF:8361109.9/35

All: 792.464+/-0.092 χ^2/NDF: 14175407.3/67

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 20.962+/-86.132 χ^2/NDF: 15.8/21

Left Out: 367.028+/-61.943 χ^2/NDF:28.2/24

Right Out: 182.552+/-79.501 χ^2/NDF: 16.7/26

Left In: 287.246+/-64.141 χ^2/NDF:23.9/22

Left: 328.527+/-44.557 χ^2/NDF: 52.9/47

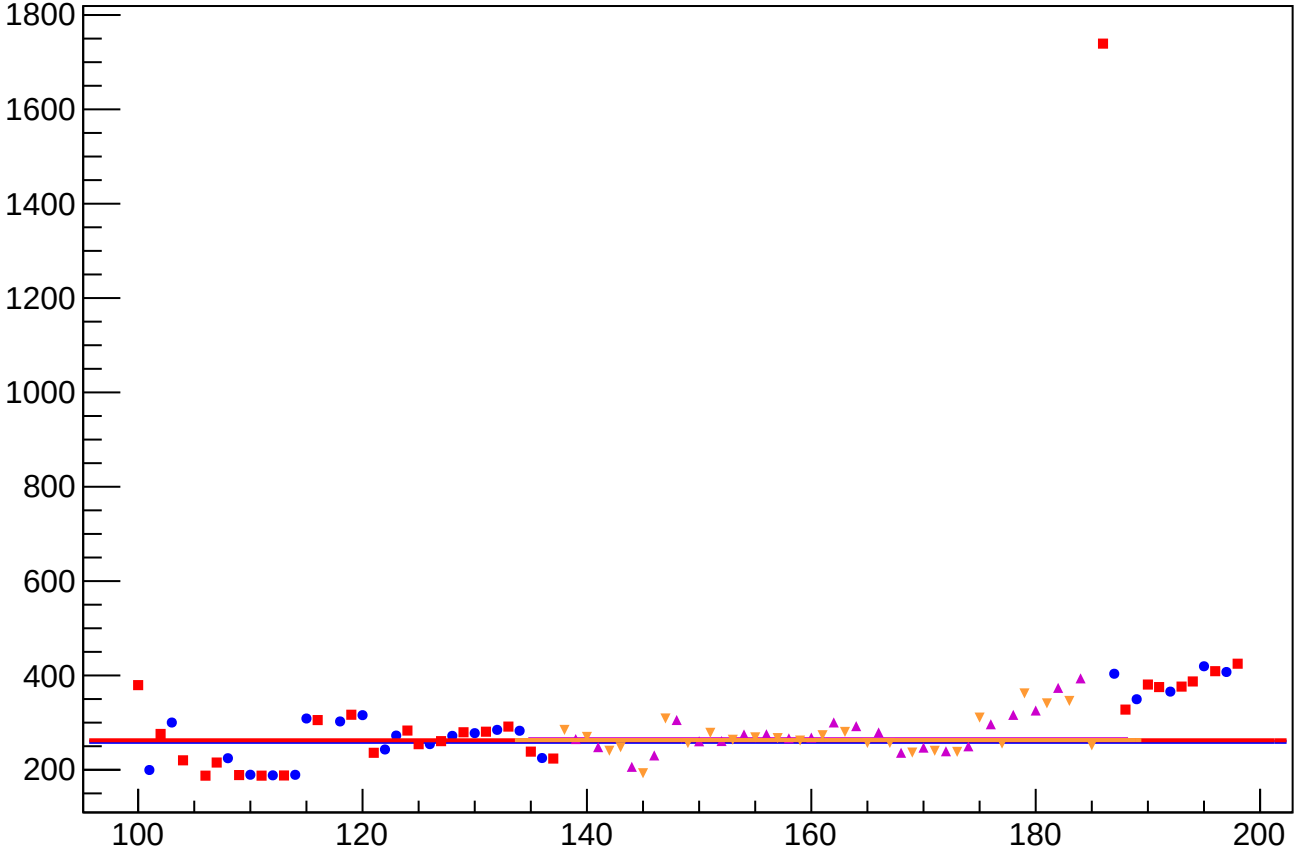
Right: 108.216+/-58.419 χ^2/NDF: 34.4/48

In: 192.256+/-51.444 χ^2/NDF:45.8/44

Out: 297.341+/-48.862 χ^2/NDF:48.3/51

All: 247.501+/-35.428 χ^2/NDF: 96.3/96

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 259.258+/-0.061 χ^2/NDF: 1189676.1/21

Left Out: 263.103+/-0.044 χ^2/NDF:642226.0/24

Right Out: 262.590+/-0.056 χ^2/NDF: 2132513.4/26

Left In: 264.923+/-0.045 χ^2/NDF:609024.7/22

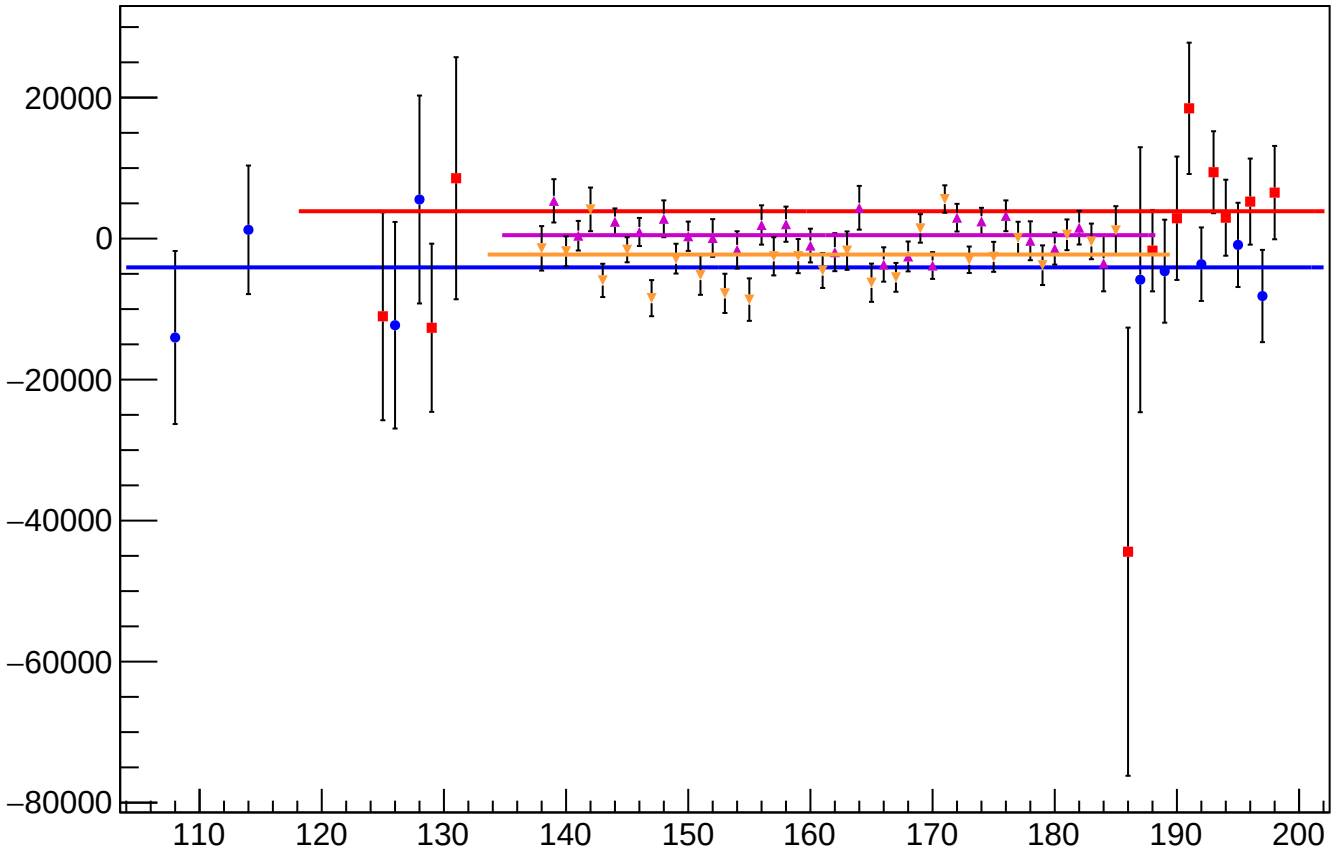
Left: 263.981+/-0.032 χ^2/NDF: 1252084.1/47

Right: 261.058+/-0.041 χ^2/NDF: 3323805.5/48

In: 262.902+/-0.036 χ^2/NDF:1804265.3/44

Out: 262.909+/-0.035 χ^2/NDF:2774791.1/51

All: 262.906+/-0.025 χ^2/NDF: 4579056.5/96



Right In: -4082.054+/-2695.485 χ^2/NDF: 2.4/8

Left Out: -2260.196+/-475.336 χ^2/NDF:52.3/24

Right Out: 3880.365+/-2329.407 χ^2/NDF: 9.9/10

Left In: 485.590+/-487.465 χ^2/NDF:24.8/22

Left: -921.890+/-340.321 χ^2/NDF: 93.4/47

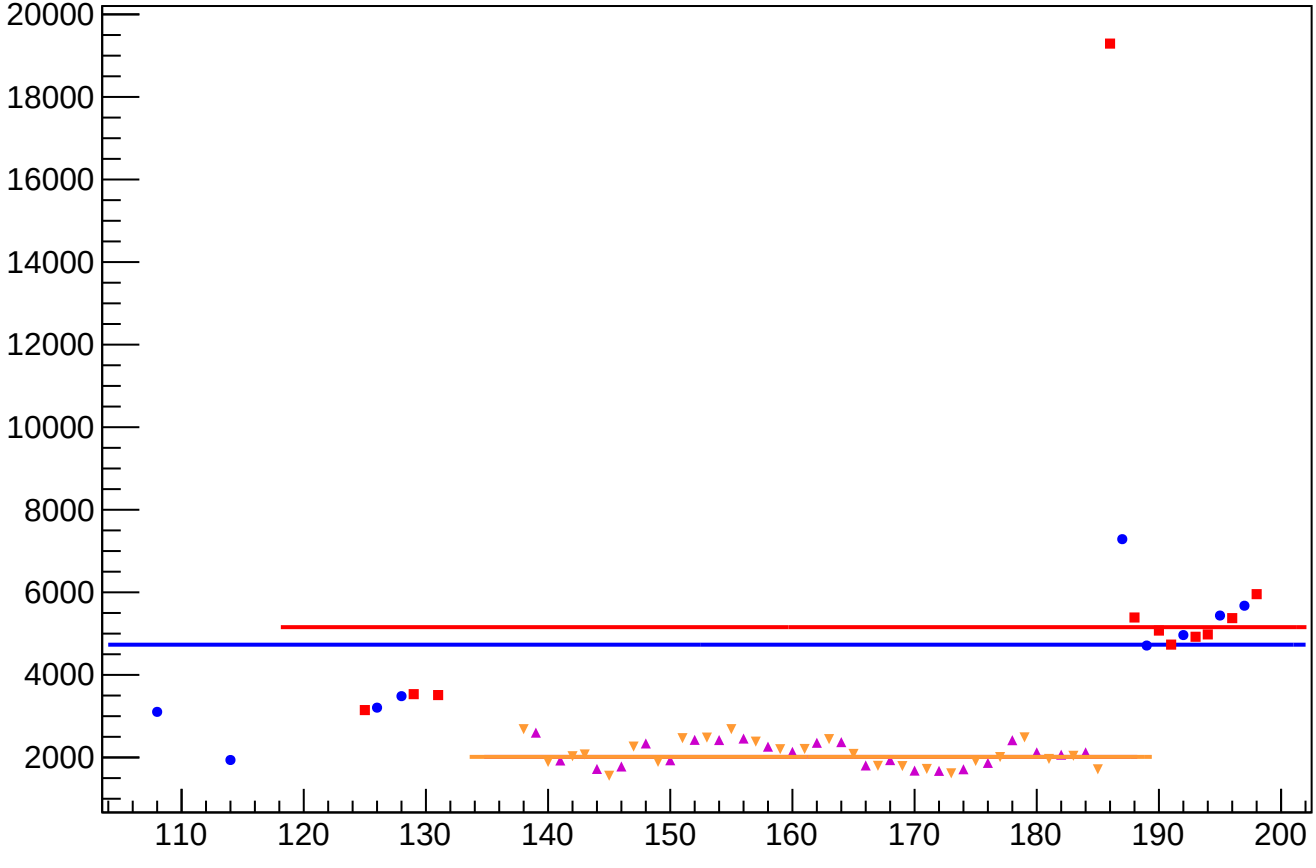
Right: 476.179+/-1762.468 χ^2/NDF: 17.3/19

In: 340.936+/-479.684 χ^2/NDF:30.0/31

Out: -2014.725+/-465.738 χ^2/NDF:68.9/35

All: -871.637+/-334.148 χ^2/NDF: 111.3/67

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 4731.790+/-1.906 χ^2/NDF: 369309.7/8

Left Out: 2014.106+/-0.336 χ^2/NDF:835656.9/24

Right Out: 5156.515+/-1.647 χ^2/NDF: 532763.8/10

Left In: 2013.245+/-0.345 χ^2/NDF:662077.8/22

Left: 2013.686+/-0.241 χ^2/NDF: 1497737.9/47

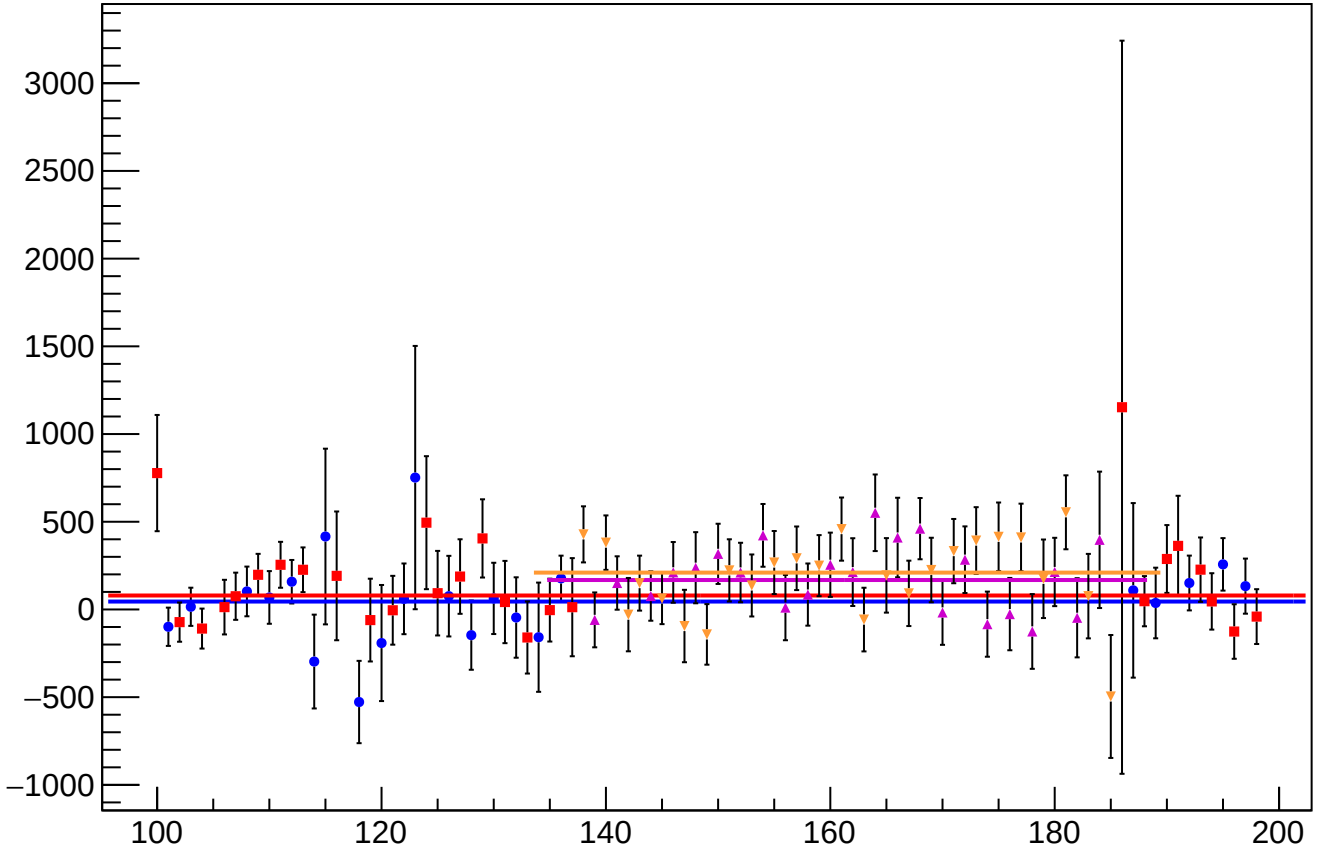
Right: 4974.932+/-1.246 χ^2/NDF: 930500.1/19

In: 2099.339+/-0.339 χ^2/NDF:3001326.0/31

Out: 2139.725+/-0.329 χ^2/NDF:4862616.2/35

All: 2120.128+/-0.236 χ^2/NDF: 7871239.4/67

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 45.119+/-37.473 χ^2/NDF: 17.8/21

Left Out: 210.086+/-37.093 χ^2/NDF:27.5/24

Right Out: 79.577+/-33.424 χ^2/NDF: 24.6/26

Left In: 167.822+/-38.718 χ^2/NDF:21.1/22

Left: 189.859+/-26.785 χ^2/NDF: 49.3/47

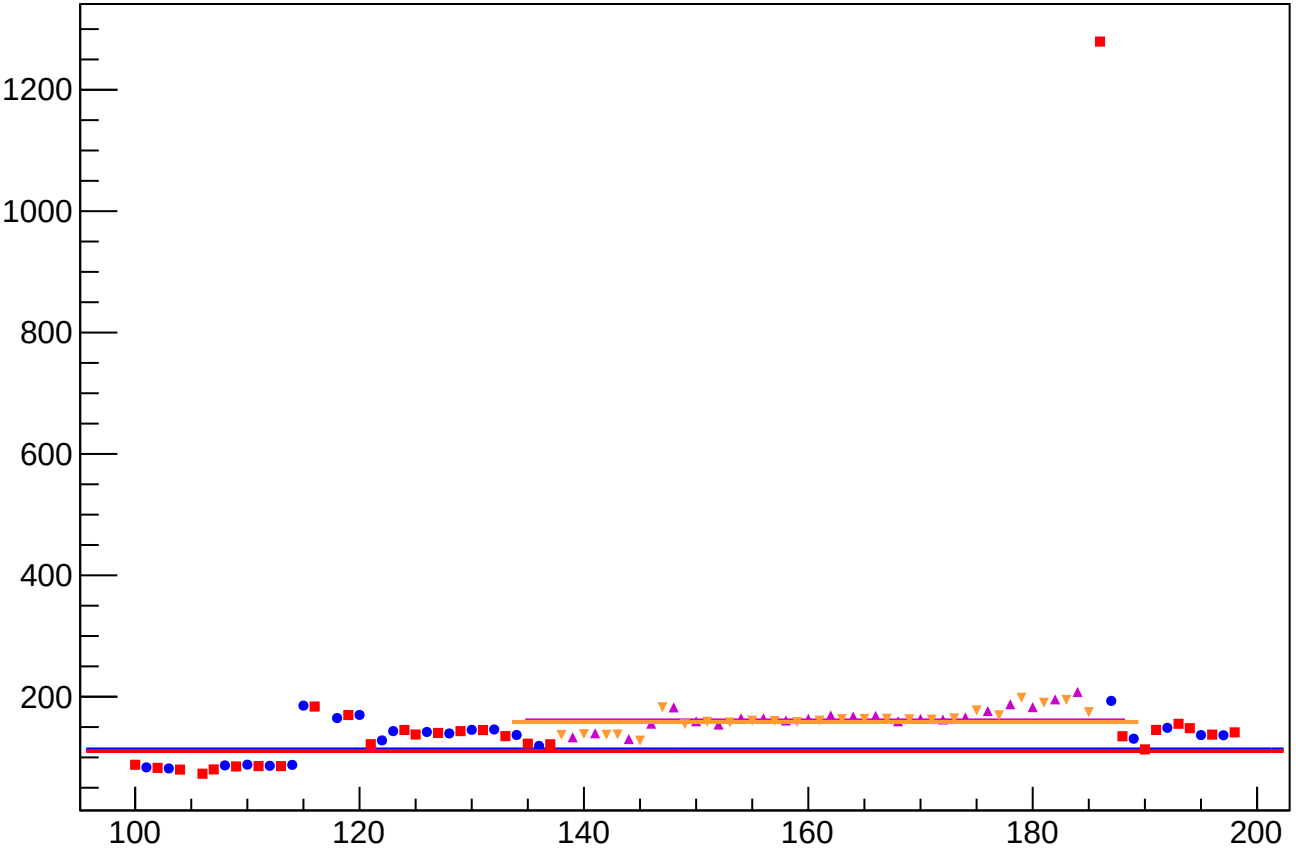
Right: 64.310+/-24.943 χ^2/NDF: 42.9/48

In: 104.466+/-26.927 χ^2/NDF:44.1/44

Out: 138.059+/-24.830 χ^2/NDF:59.0/51

All: 122.620+/-18.254 χ^2/NDF: 103.9/96

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.070+/-0.026 χ^2/NDF: 1201182.0/21

Left Out: 158.440+/-0.026 χ^2/NDF:434300.9/24

Right Out: 110.547+/-0.024 χ^2/NDF: 2235991.4/26

Left In: 160.947+/-0.027 χ^2/NDF:379713.4/22

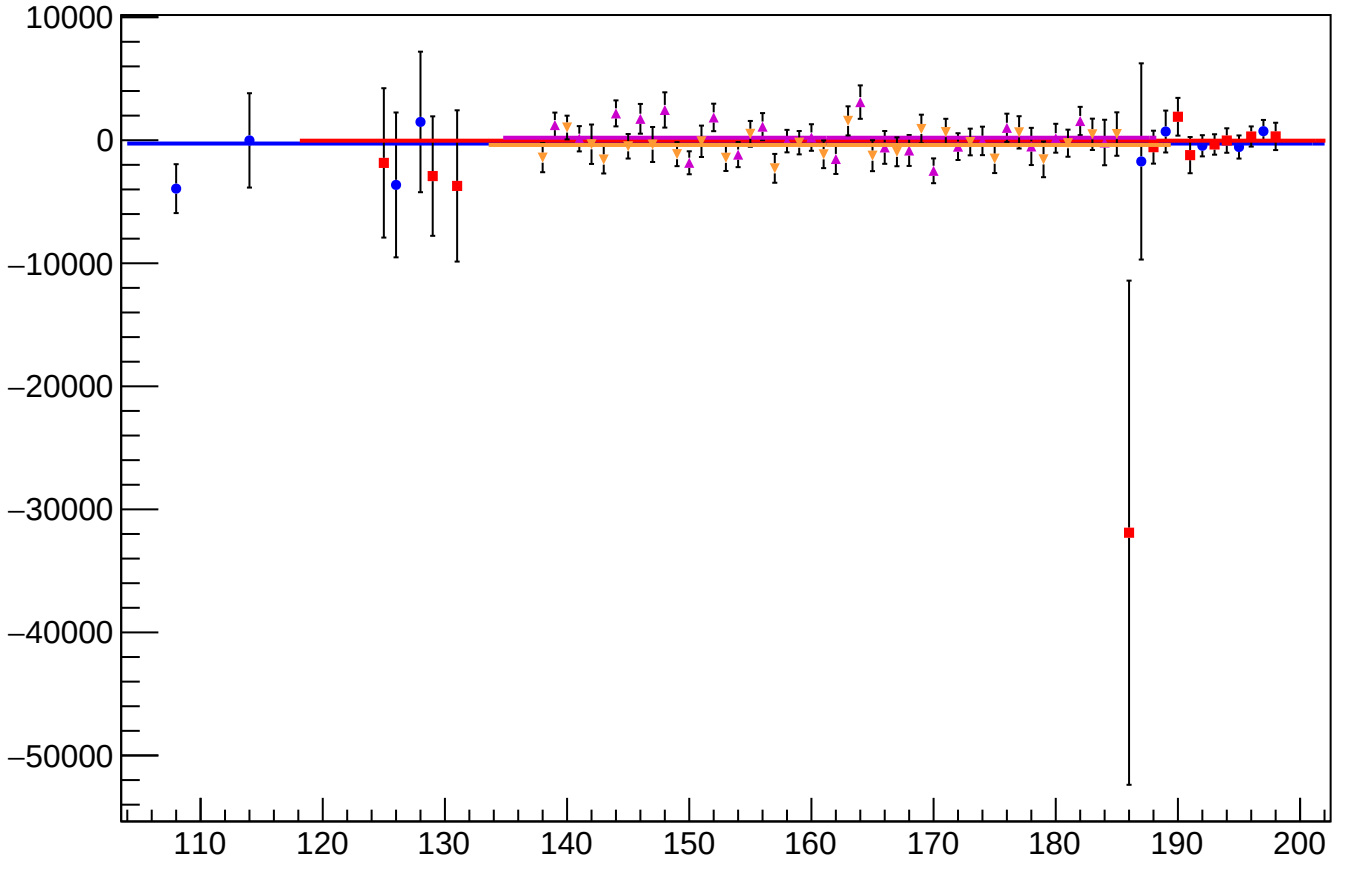
Left: 159.640+/-0.019 χ^2/NDF: 818385.9/47

Right: 111.665+/-0.018 χ^2/NDF: 3442221.1/48

In: 136.226+/-0.019 χ^2/NDF:3159961.2/44

Out: 132.008+/-0.018 χ^2/NDF:4510373.0/51

All: 133.947+/-0.013 χ^2/NDF: 7696859.0/96



Right In: -269.224+/-475.585 χ^2/NDF: 5.5/8

Left Out: -385.018+/-231.833 χ^2/NDF:18.1/24

Right Out: -37.059+/-398.260 χ^2/NDF: 6.0/10

Left In: 202.234+/-237.460 χ^2/NDF:35.5/22

Left: -98.432+/-165.884 χ^2/NDF: 56.7/47

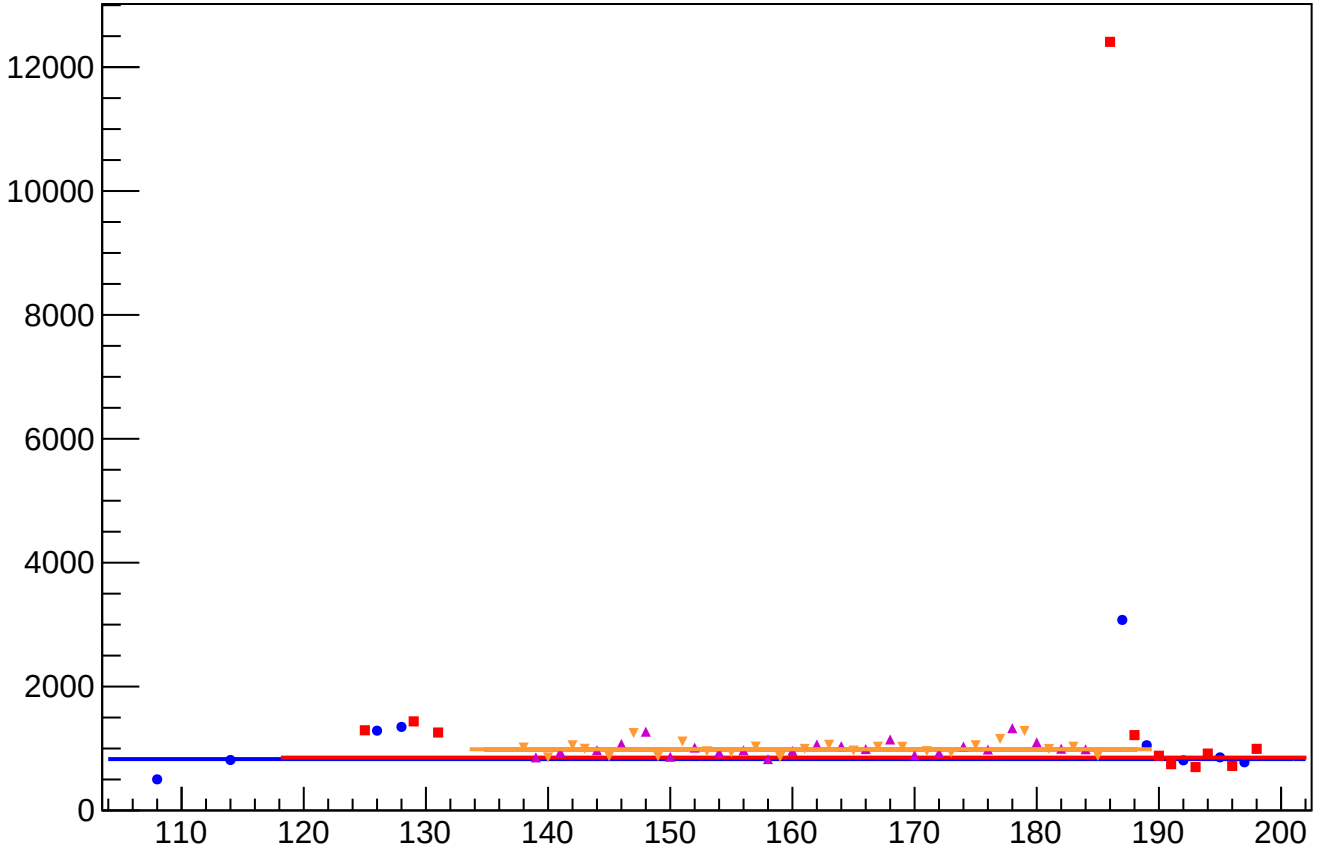
Right: -132.758+/-305.338 χ^2/NDF: 11.7/19

In: 108.153+/-212.450 χ^2/NDF:41.8/31

Out: -296.952+/-200.359 χ^2/NDF:24.7/35

All: -106.254+/-145.762 χ^2/NDF: 68.4/67

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 829.160+/-0.336 χ^2/NDF: 285558.6/8

Left Out: 987.869+/-0.164 χ^2/NDF:376958.5/24

Right Out: 853.147+/-0.282 χ^2/NDF: 1005325.7/10

Left In: 983.893+/-0.168 χ^2/NDF:416265.7/22

Left: 985.929+/-0.117 χ^2/NDF: 793511.2/47

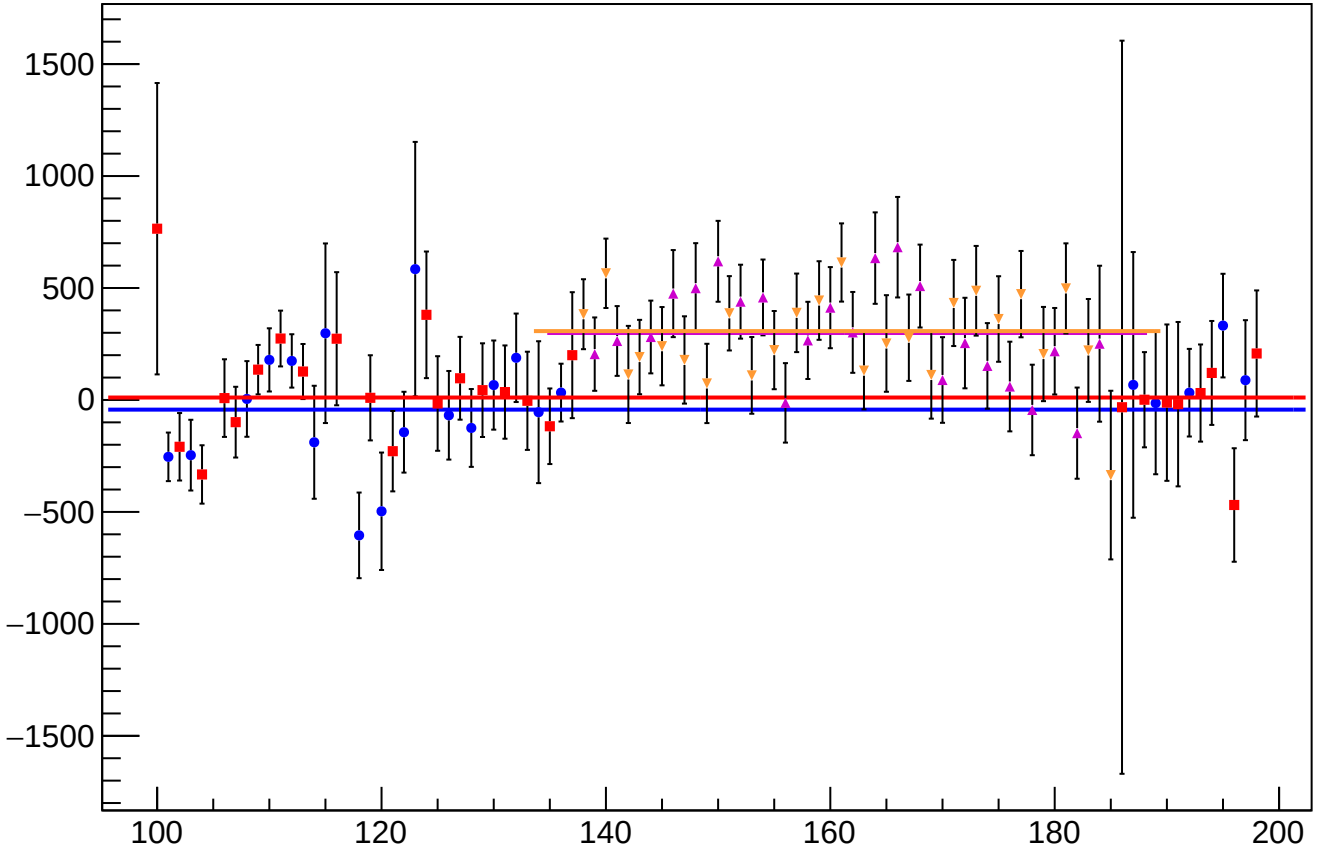
Right: 843.259+/-0.216 χ^2/NDF: 1293874.8/19

In: 953.016+/-0.150 χ^2/NDF:871287.2/31

Out: 953.771+/-0.142 χ^2/NDF:1553222.3/35

All: 953.416+/-0.103 χ^2/NDF: 2424522.9/67

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -43.161+/-39.860 χ^2/NDF: 30.9/21

Left Out: 307.487+/-37.278 χ^2/NDF:20.7/24

Right Out: 10.904+/-36.613 χ^2/NDF: 27.4/26

Left In: 299.192+/-39.009 χ^2/NDF:28.5/22

Left: 303.528+/-26.951 χ^2/NDF: 49.3/47

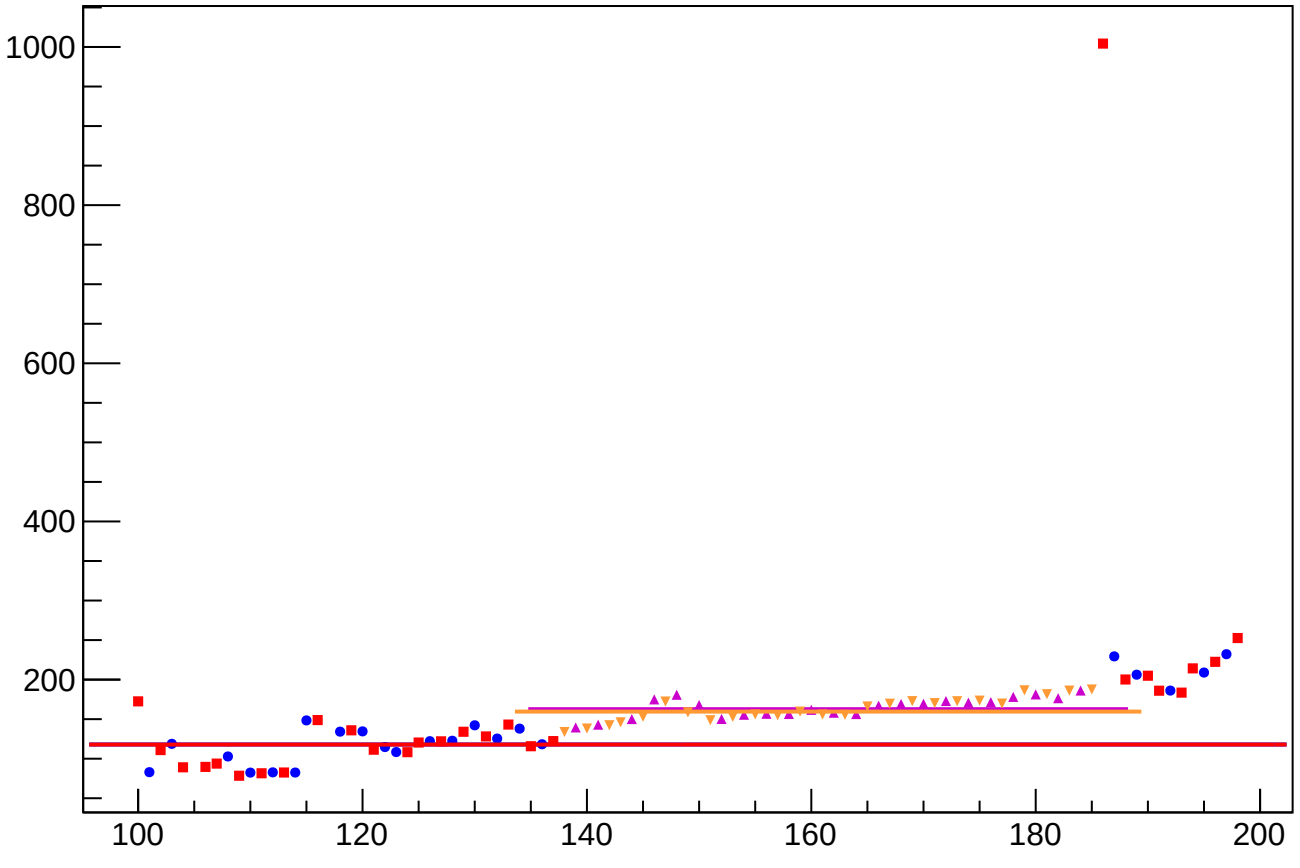
Right: -13.837+/-26.964 χ^2/NDF: 59.3/48

In: 131.708+/-27.879 χ^2/NDF:97.1/44

Out: 156.527+/-26.121 χ^2/NDF:80.3/51

All: 144.924+/-19.062 χ^2/NDF: 177.8/96

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 117.959+/-0.028 χ^2/NDF: 1784225.8/21

Left Out: 159.568+/-0.026 χ^2/NDF:287744.2/24

Right Out: 117.892+/-0.026 χ^2/NDF: 3300903.0/26

Left In: 162.606+/-0.028 χ^2/NDF:199542.3/22

Left: 161.019+/-0.019 χ^2/NDF: 493626.9/47

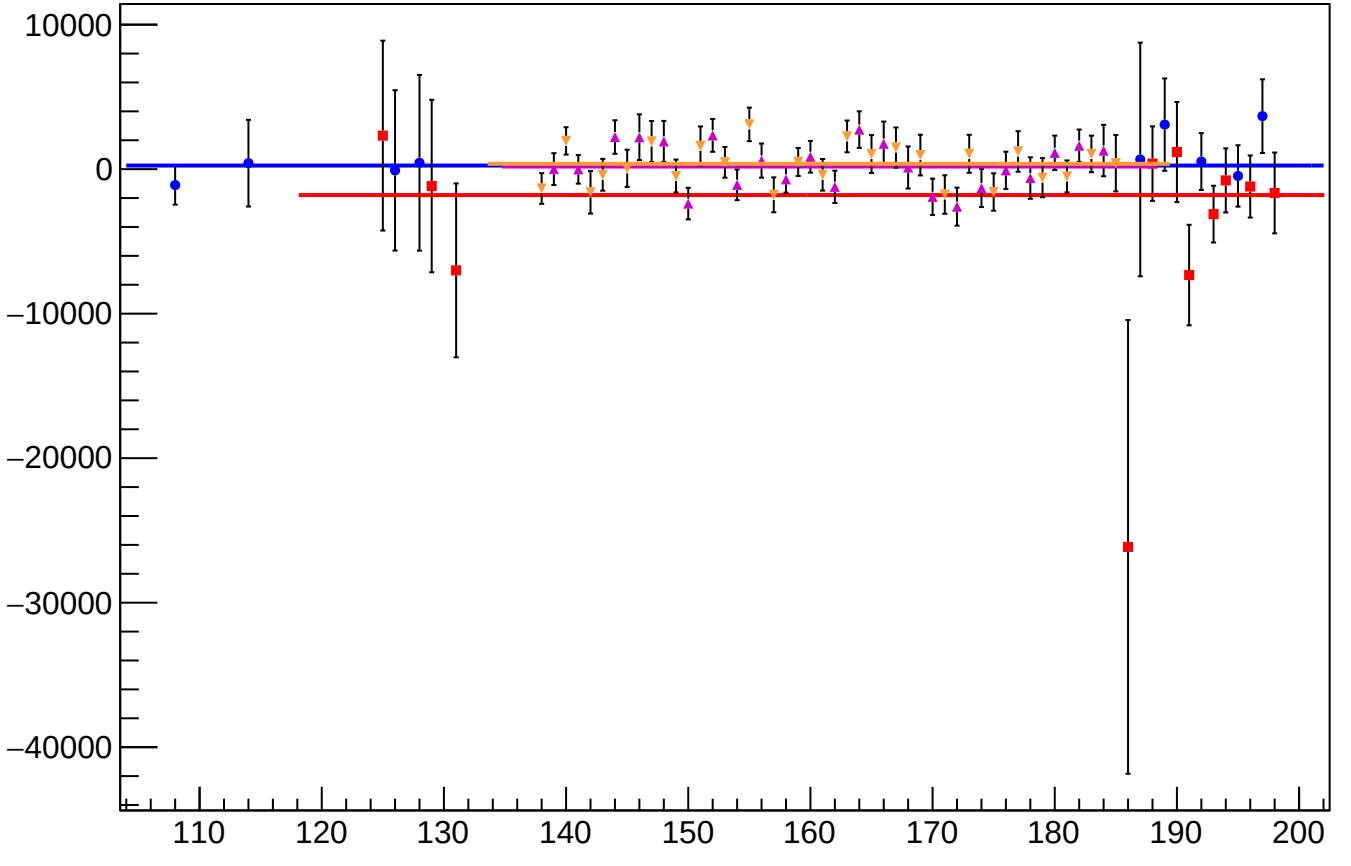
Right: 117.922+/-0.019 χ^2/NDF: 5085131.8/48

In: 140.764+/-0.020 χ^2/NDF:3265517.0/44

Out: 138.355+/-0.018 χ^2/NDF:4861090.9/51

All: 139.481+/-0.013 χ^2/NDF: 8134559.8/96

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 250.691+/-827.290 χ^2/NDF: 3.7/8

Left Out: 370.001+/-243.521 χ^2/NDF:30.5/24

Right Out: -1792.553+/-910.663 χ^2/NDF: 8.3/10

Left In: 183.107+/-252.258 χ^2/NDF:36.5/22

Left: 279.847+/-175.203 χ^2/NDF: 67.2/47

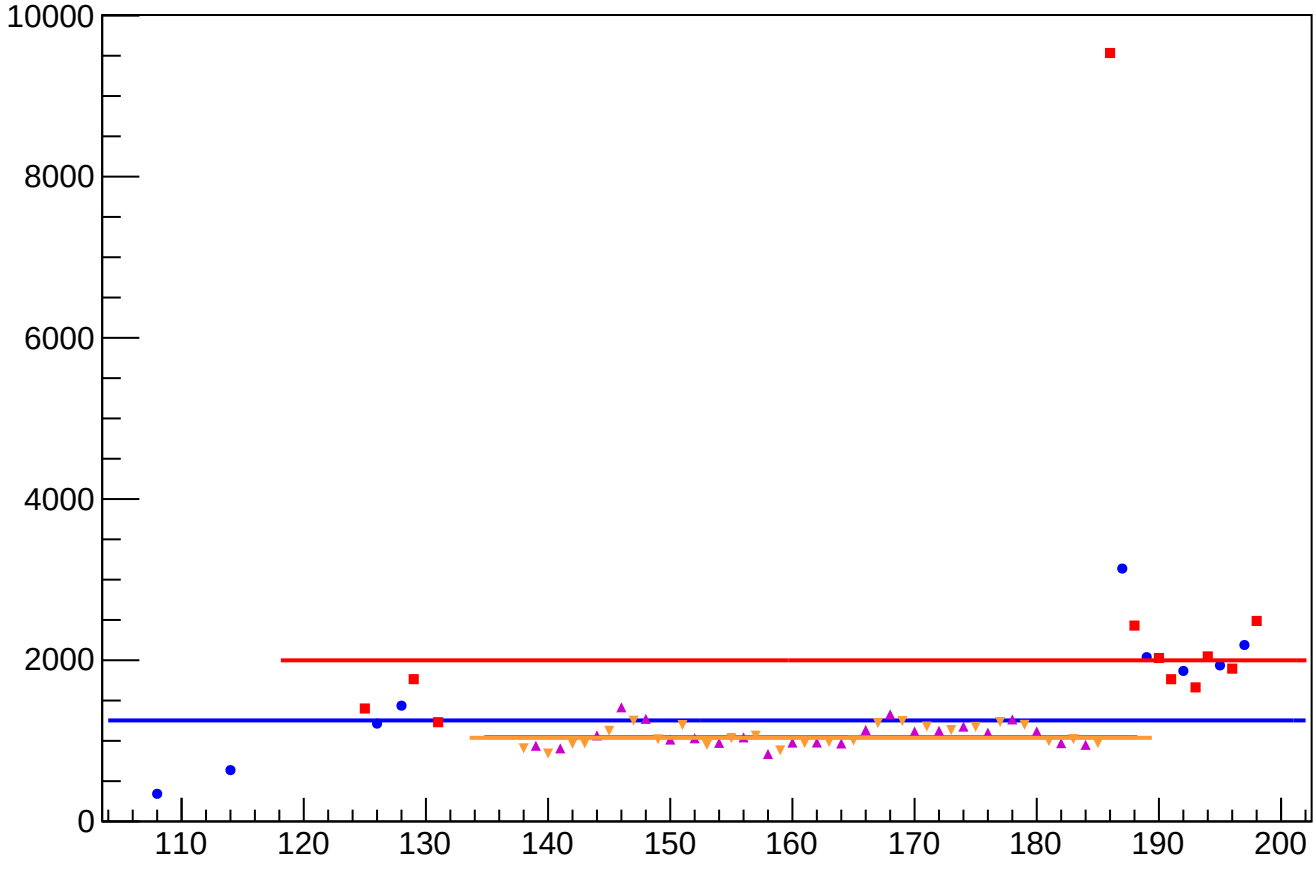
Right: -673.138+/-612.341 χ^2/NDF: 14.8/19

In: 188.856+/-241.290 χ^2/NDF:40.2/31

Out: 225.680+/-235.254 χ^2/NDF:44.0/35

All: 207.735+/-168.443 χ^2/NDF: 84.2/67

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 1253.300+/-0.585 χ^2/NDF: 1887084.4/8

Left Out: 1037.689+/-0.172 χ^2/NDF:494981.4/24

Right Out: 1998.875+/-0.644 χ^2/NDF: 702764.5/10

Left In: 1044.746+/-0.178 χ^2/NDF:543315.5/22

Left: 1041.093+/-0.124 χ^2/NDF: 1039107.0/47

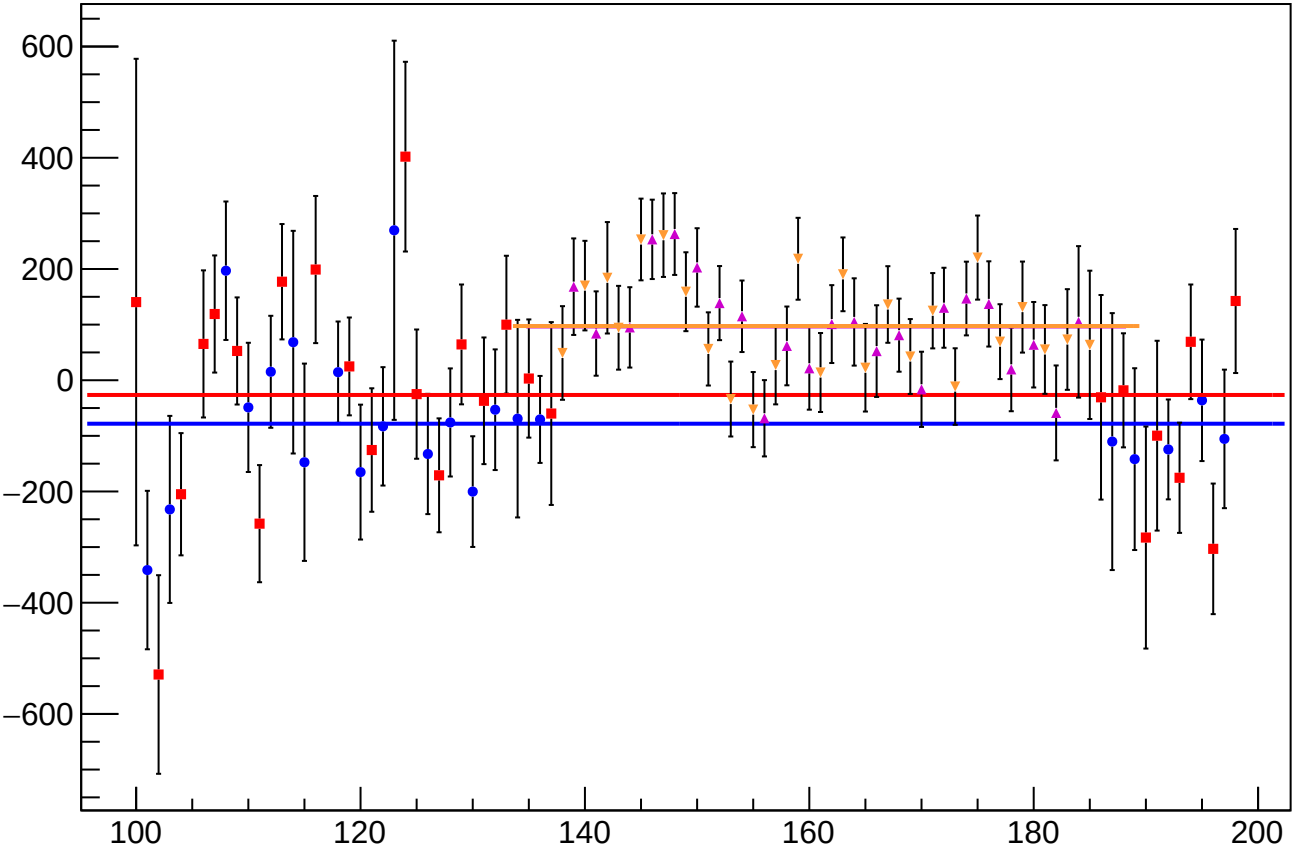
Right: 1590.403+/-0.433 χ^2/NDF: 3324309.3/19

In: 1062.487+/-0.171 χ^2/NDF:2546689.9/31

Out: 1101.835+/-0.166 χ^2/NDF:3277126.9/35

All: 1082.659+/-0.119 χ^2/NDF: 5851083.3/67

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.172+/-25.275 χ^2/NDF: 15.8/21

Left Out: 97.445+/-14.880 χ^2/NDF:36.0/24

Right Out: -26.478+/-22.969 χ^2/NDF: 48.9/26

Left In: 96.704+/-15.369 χ^2/NDF:29.2/22

Left: 97.087+/-10.690 χ^2/NDF: 65.2/47

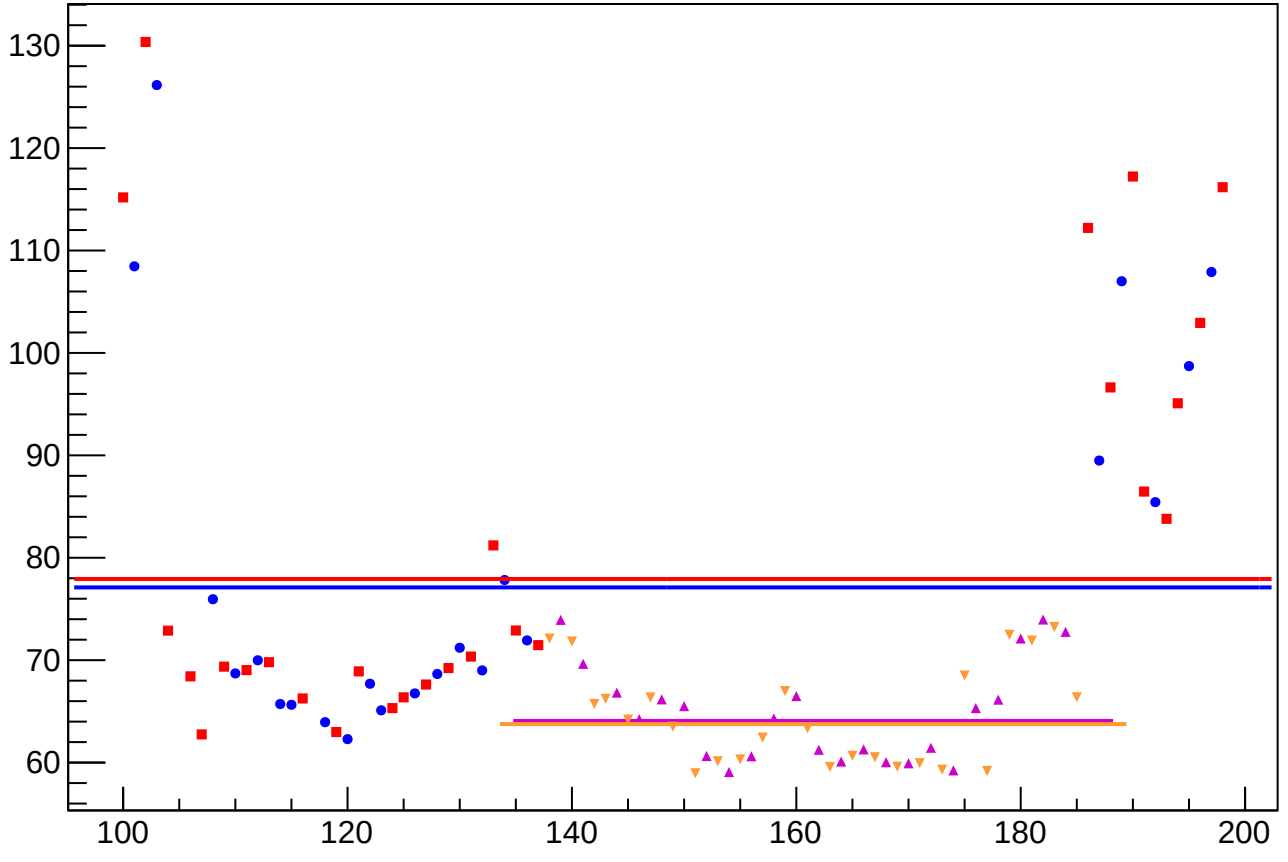
Right: -49.861+/-16.999 χ^2/NDF: 67.0/48

In: 49.496+/-13.132 χ^2/NDF:80.0/44

Out: 60.813+/-12.488 χ^2/NDF:105.4/51

All: 55.439+/-9.050 χ^2/NDF: 185.8/96

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 77.105+/-0.018 χ^2/NDF: 743110.2/21

Left Out: 63.761+/-0.011 χ^2/NDF:192803.8/24

Right Out: 77.929+/-0.016 χ^2/NDF: 1000006.9/26

Left In: 64.069+/-0.011 χ^2/NDF:164660.4/22

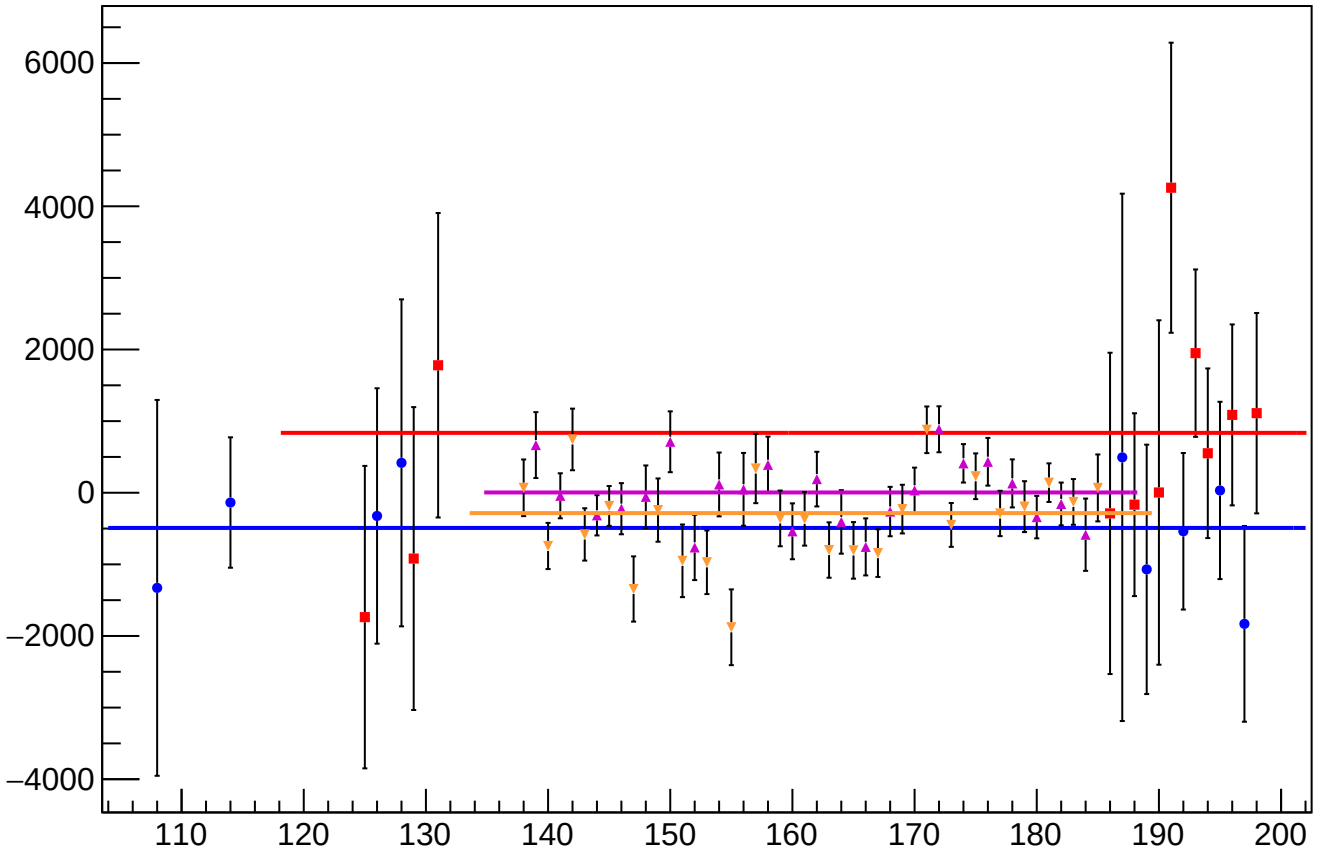
Left: 63.910+/-0.008 χ^2/NDF: 357877.2/47

Right: 77.556+/-0.012 χ^2/NDF: 1744283.3/48

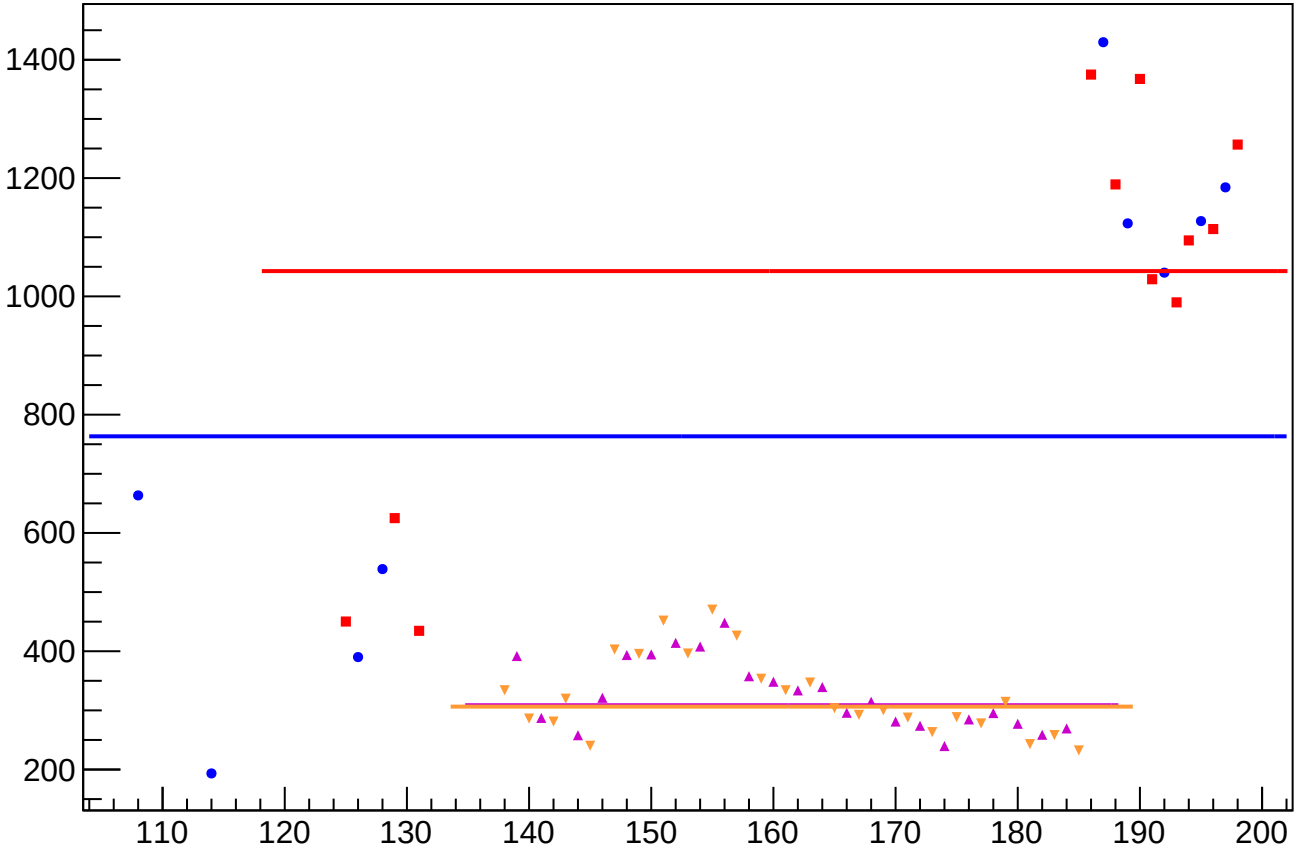
In: 67.588+/-0.009 χ^2/NDF:1296199.3/44

Out: 67.949+/-0.009 χ^2/NDF:1728837.7/51

All: 67.778+/-0.006 χ^2/NDF: 3025833.3/96


asym_sam7_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
110
120
130
140
150
160
170
180
190
200
Right In: -491.252+/-482.997 χ²/NDF: 1.7/8
Left Out: -284.304+/-72.732 χ²/NDF:55.1/24
Right Out: 836.334+/-472.426 χ²/NDF: 7.3/10
Left In: 4.037+/-75.084 χ²/NDF:32.4/22
Left: -144.720+/-52.241 χ²/NDF: 95.0/47
Right: 187.227+/-337.731 χ²/NDF: 12.9/19
In: -7.650+/-74.193 χ²/NDF:35.1/31
Out: -258.357+/-71.885 χ²/NDF:67.8/35
All: -136.963+/-51.627 χ²/NDF: 108.8/67

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 763.378+/-0.342 χ^2/NDF: 1535410.9/8

Left Out: 306.363+/-0.051 χ^2/NDF:1215669.9/24

Right Out: 1042.747+/-0.334 χ^2/NDF: 567062.5/10

Left In: 308.727+/-0.053 χ^2/NDF:1002947.4/22

Left: 307.507+/-0.037 χ^2/NDF: 2219640.0/47

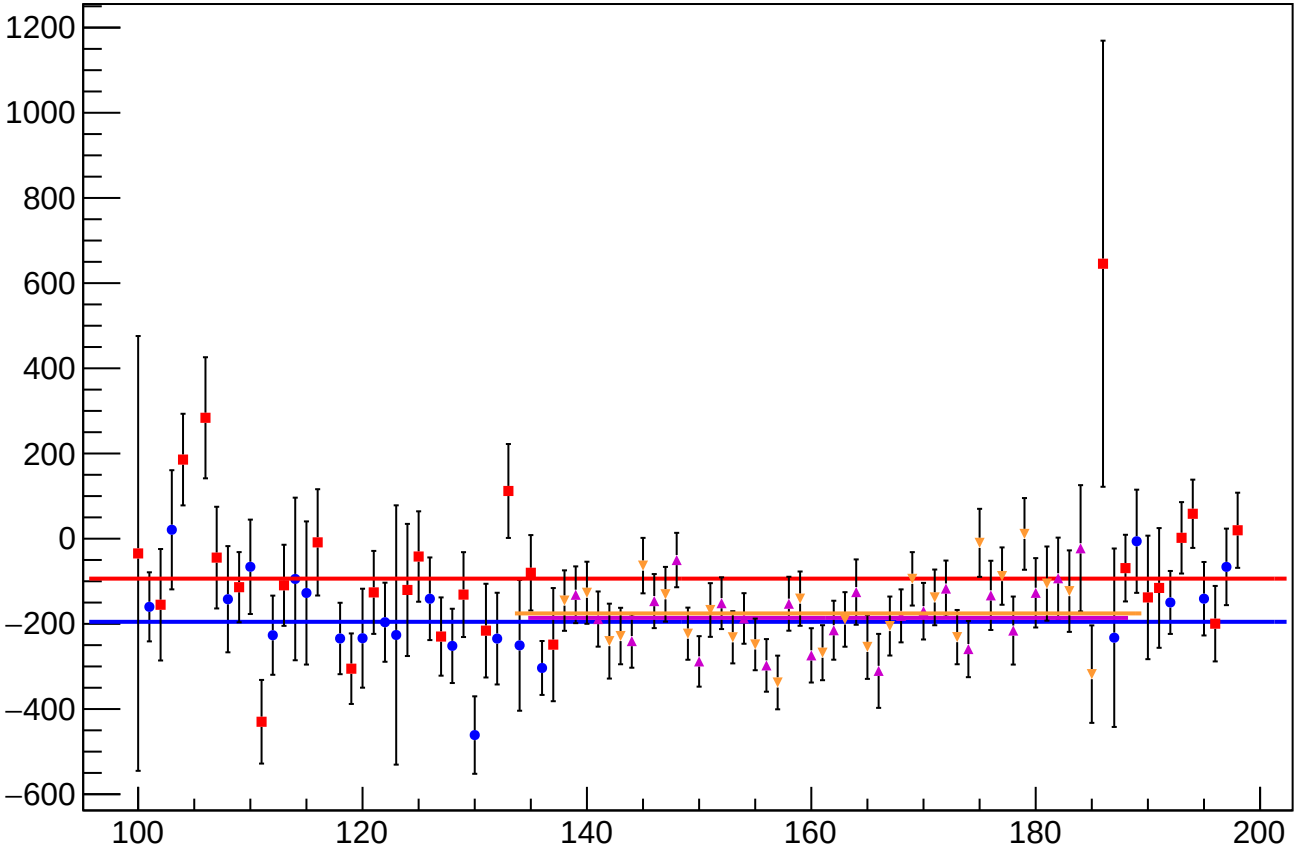
Right: 906.153+/-0.239 χ^2/NDF: 2444429.0/19

In: 319.455+/-0.052 χ^2/NDF:4268685.9/31

Out: 323.413+/-0.051 χ^2/NDF:6529484.2/35

All: 321.496+/-0.037 χ^2/NDF: 10801106.1/67

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -195.204+/-21.617 χ^2/NDF: 22.8/21

Left Out: -175.471+/-13.846 χ^2/NDF:34.6/24

Right Out: -93.786+/-20.152 χ^2/NDF: 52.0/26

Left In: -186.047+/-14.315 χ^2/NDF:23.6/22

Left: -180.583+/-9.952 χ^2/NDF: 58.5/47

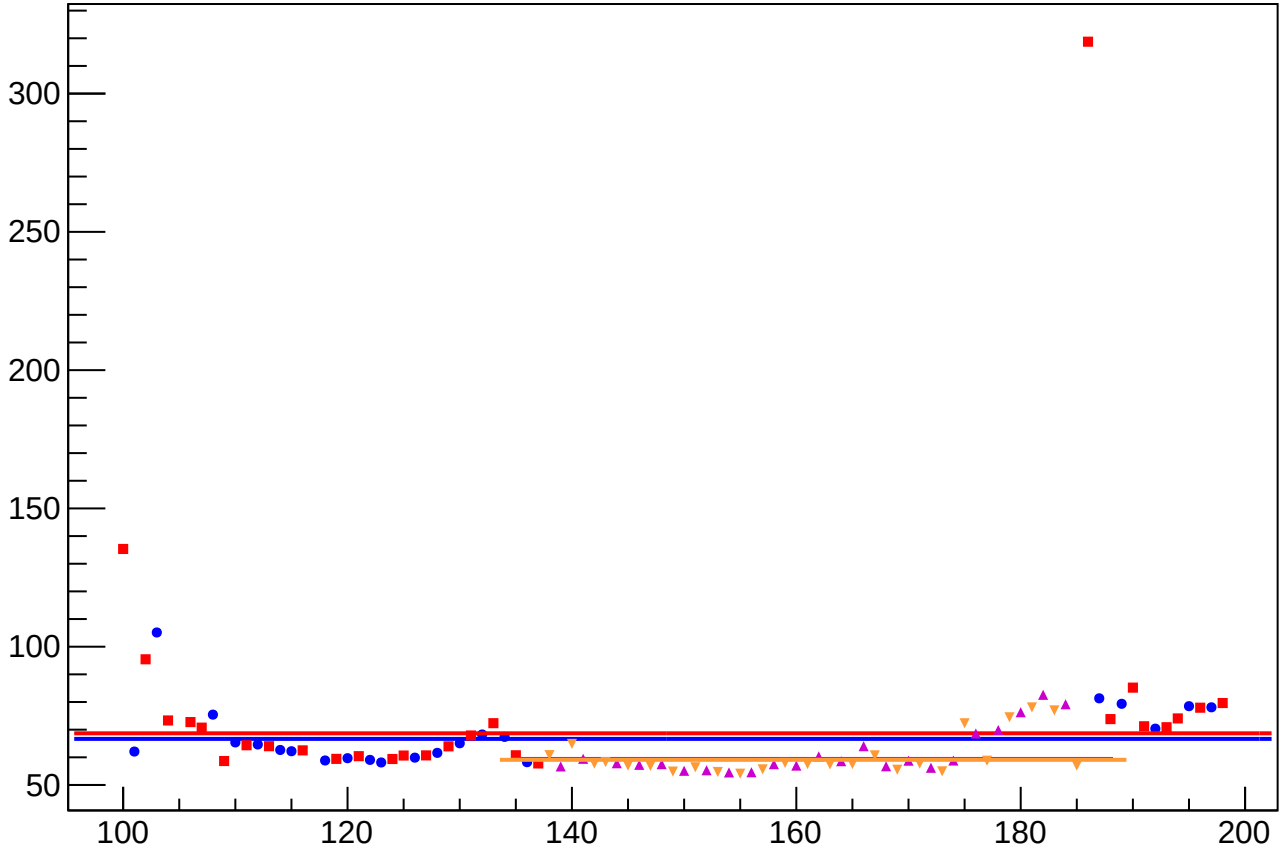
Right: -140.941+/-14.740 χ^2/NDF: 86.6/48

In: -188.839+/-11.936 χ^2/NDF:46.5/44

Out: -149.276+/-11.412 χ^2/NDF:97.8/51

All: -168.170+/-8.248 χ^2/NDF: 150.0/96

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.665+/-0.015 χ^2/NDF: 370249.6/21

Left Out: 59.099+/-0.010 χ^2/NDF:369788.6/24

Right Out: 68.683+/-0.014 χ^2/NDF: 830570.9/26

Left In: 59.410+/-0.010 χ^2/NDF:373052.7/22

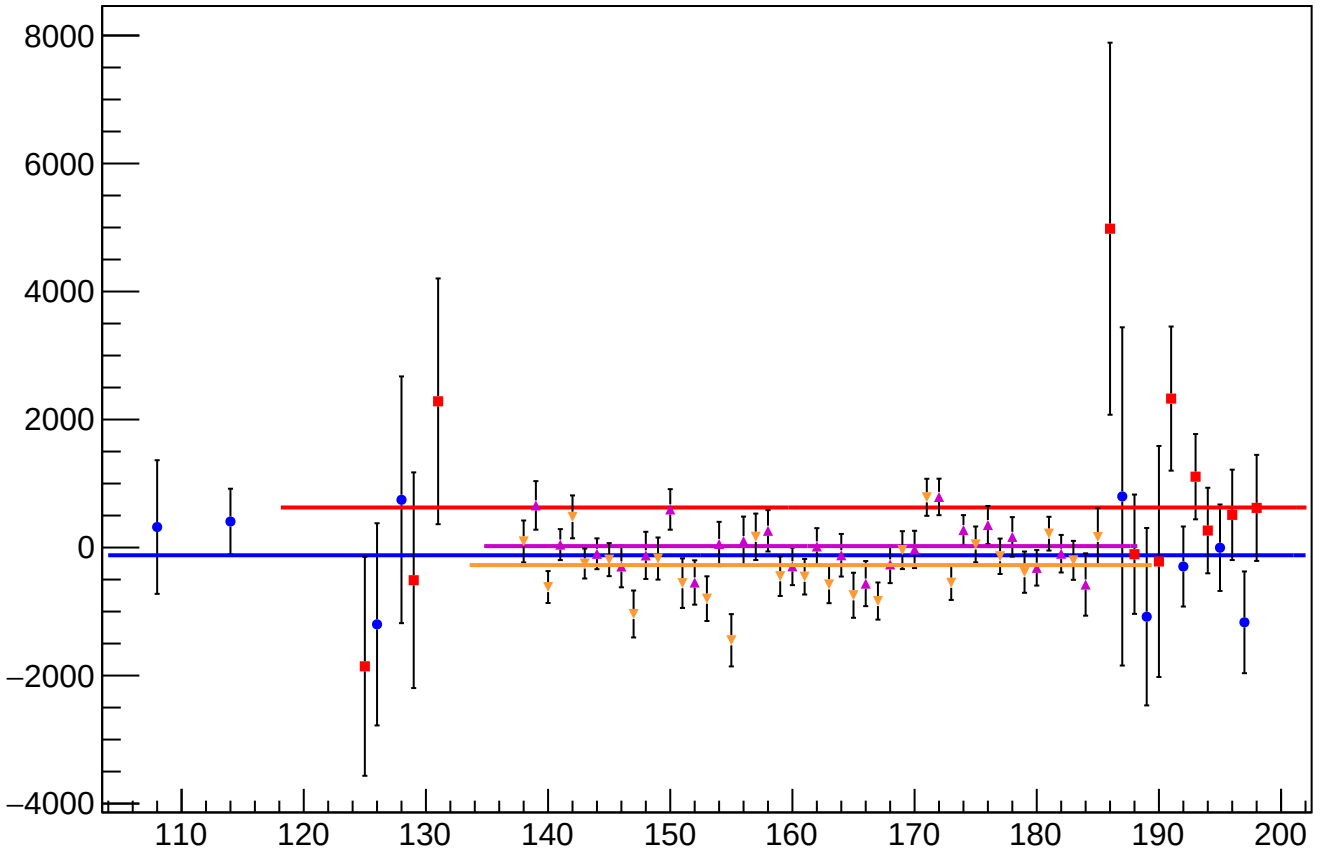
Left: 59.250+/-0.007 χ^2/NDF: 743329.1/47

Right: 67.745+/-0.010 χ^2/NDF: 1210139.6/48

In: 61.622+/-0.008 χ^2/NDF:899906.0/44

Out: 62.173+/-0.008 χ^2/NDF:1507629.5/51

All: 61.910+/-0.006 χ^2/NDF: 2409758.3/96



Right In: -120.683+/-284.032 χ^2/NDF: 4.4/8

Left Out: -274.091+/-60.799 χ^2/NDF:53.9/24

Right Out: 625.830+/-297.663 χ^2/NDF: 9.5/10

Left In: 22.631+/-63.643 χ^2/NDF:28.9/22

Left: -132.507+/-43.963 χ^2/NDF: 94.2/47

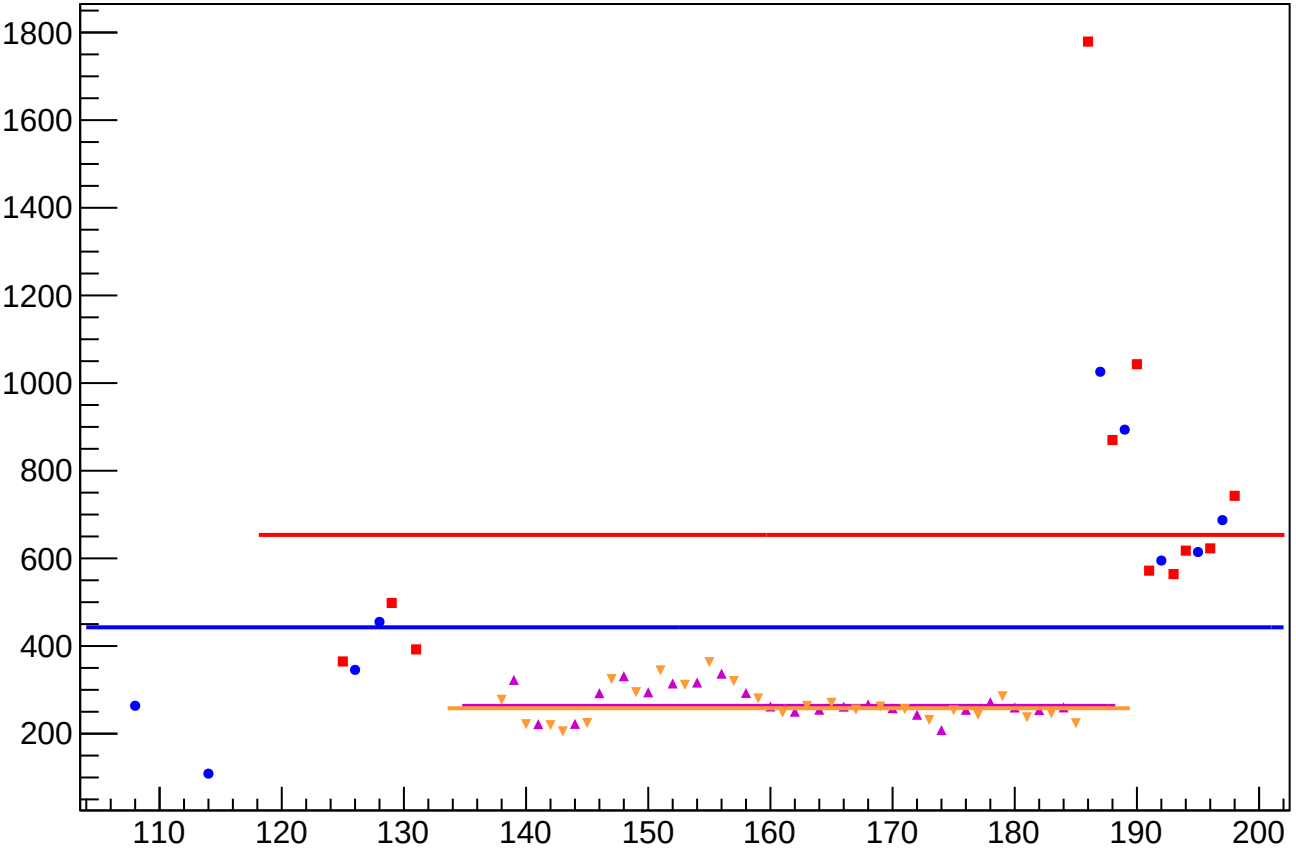
Right: 235.090+/-205.491 χ^2/NDF: 17.2/19

In: 15.779+/-62.103 χ^2/NDF:33.5/31

Out: -238.050+/-59.569 χ^2/NDF:72.2/35

All: -116.419+/-42.990 χ^2/NDF: 114.4/67

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 442.683+/-0.201 χ^2/NDF: 1662709.3/8

Left Out: 258.040+/-0.043 χ^2/NDF:724823.3/24

Right Out: 653.546+/-0.210 χ^2/NDF: 691471.1/10

Left In: 263.397+/-0.045 χ^2/NDF:585600.2/22

Left: 260.596+/-0.031 χ^2/NDF: 1317830.8/47

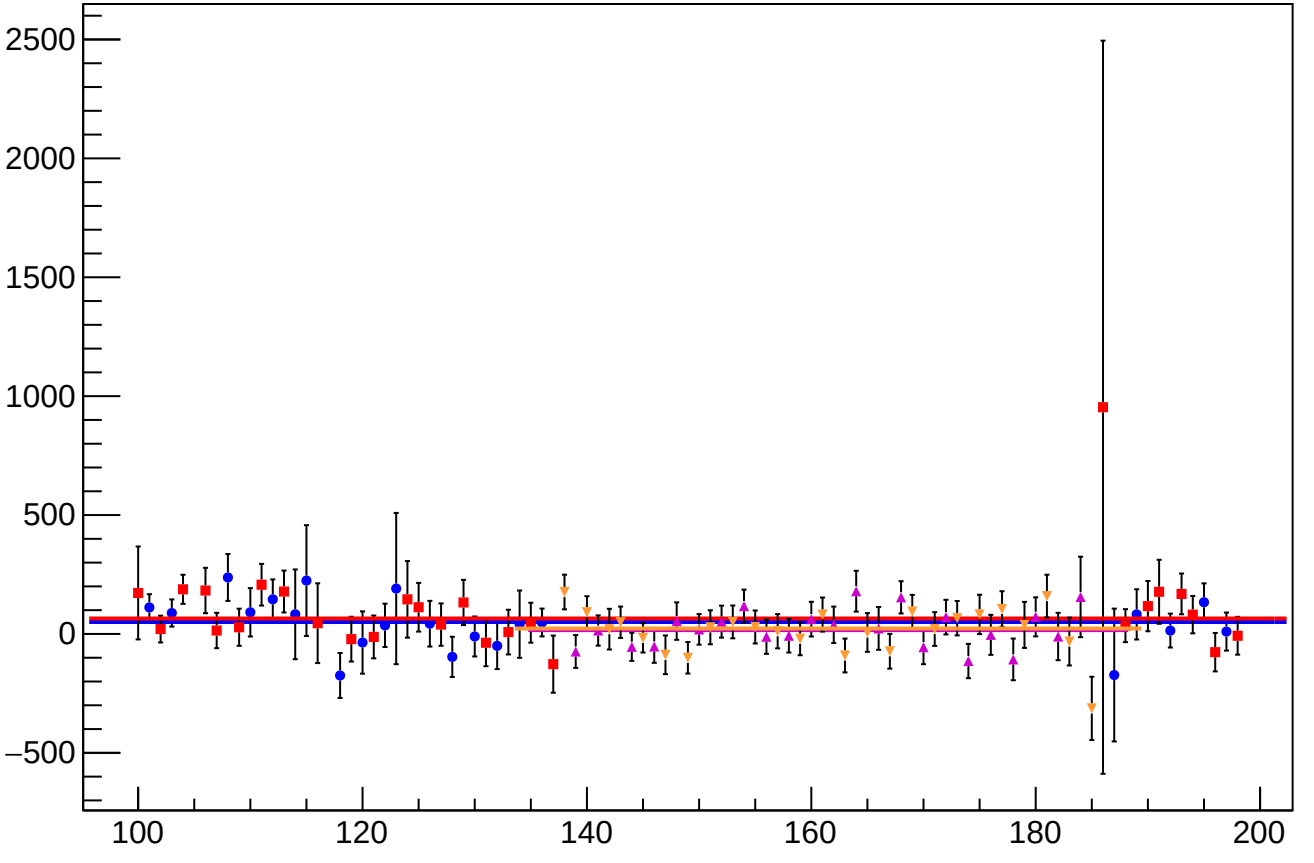
Right: 543.176+/-0.145 χ^2/NDF: 2879507.7/19

In: 271.968+/-0.044 χ^2/NDF:3007087.3/31

Out: 273.880+/-0.042 χ^2/NDF:4805787.8/35

All: 272.964+/-0.030 χ^2/NDF: 7813862.5/67

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.356+/-19.006 χ^2/NDF: 20.6/21

Left Out: 22.871+/-14.968 χ^2/NDF:29.0/24

Right Out: 64.950+/-17.266 χ^2/NDF: 25.0/26

Left In: 16.198+/-15.531 χ^2/NDF:23.3/22

Left: 19.658+/-10.777 χ^2/NDF: 52.4/47

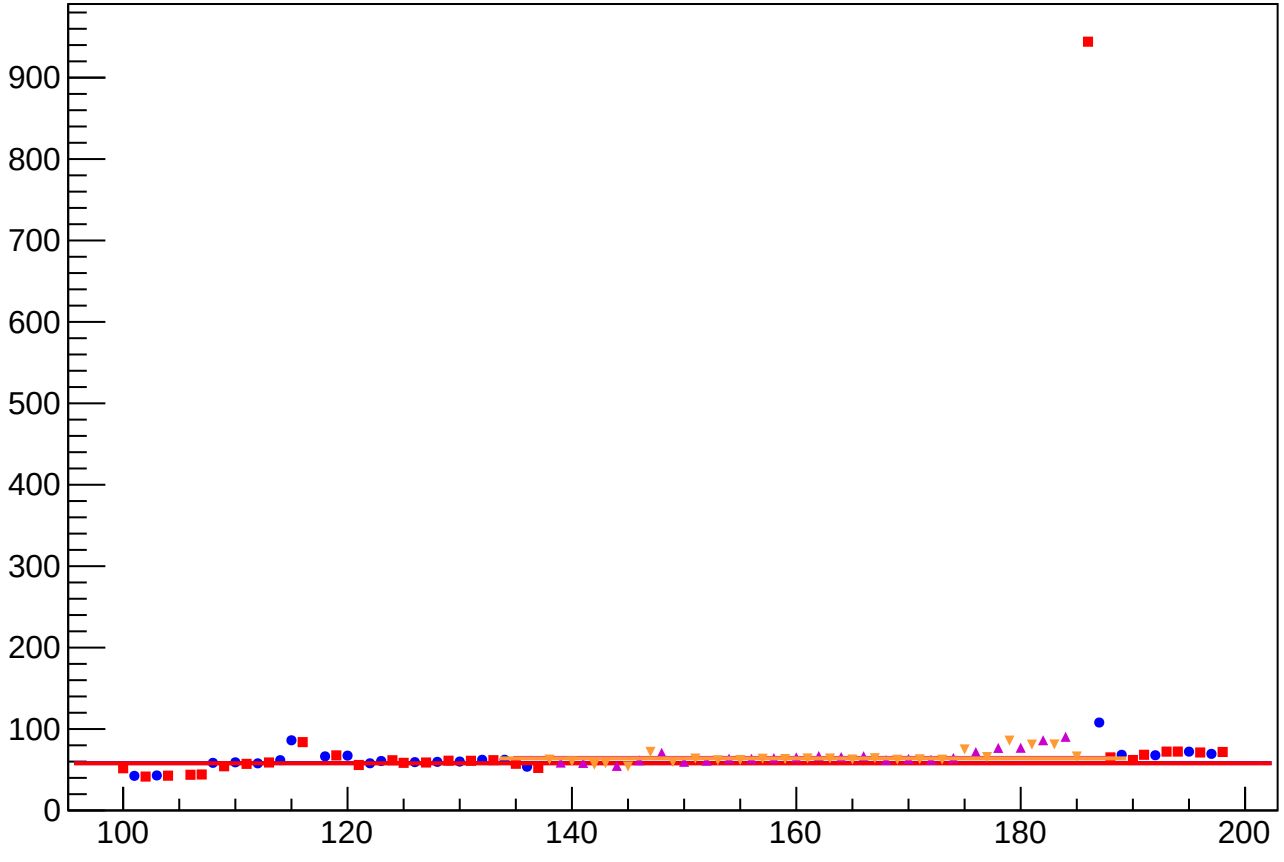
Right: 58.352+/-12.780 χ^2/NDF: 45.9/48

In: 29.874+/-12.026 χ^2/NDF:45.8/44

Out: 40.926+/-11.310 χ^2/NDF:57.4/51

All: 35.739+/-8.239 χ^2/NDF: 103.6/96

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.116+/-0.013 χ^2/NDF: 594422.9/21

Left Out: 63.920+/-0.011 χ^2/NDF:395410.4/24

Right Out: 57.952+/-0.012 χ^2/NDF: 1430333.4/26

Left In: 64.511+/-0.011 χ^2/NDF:370515.2/22

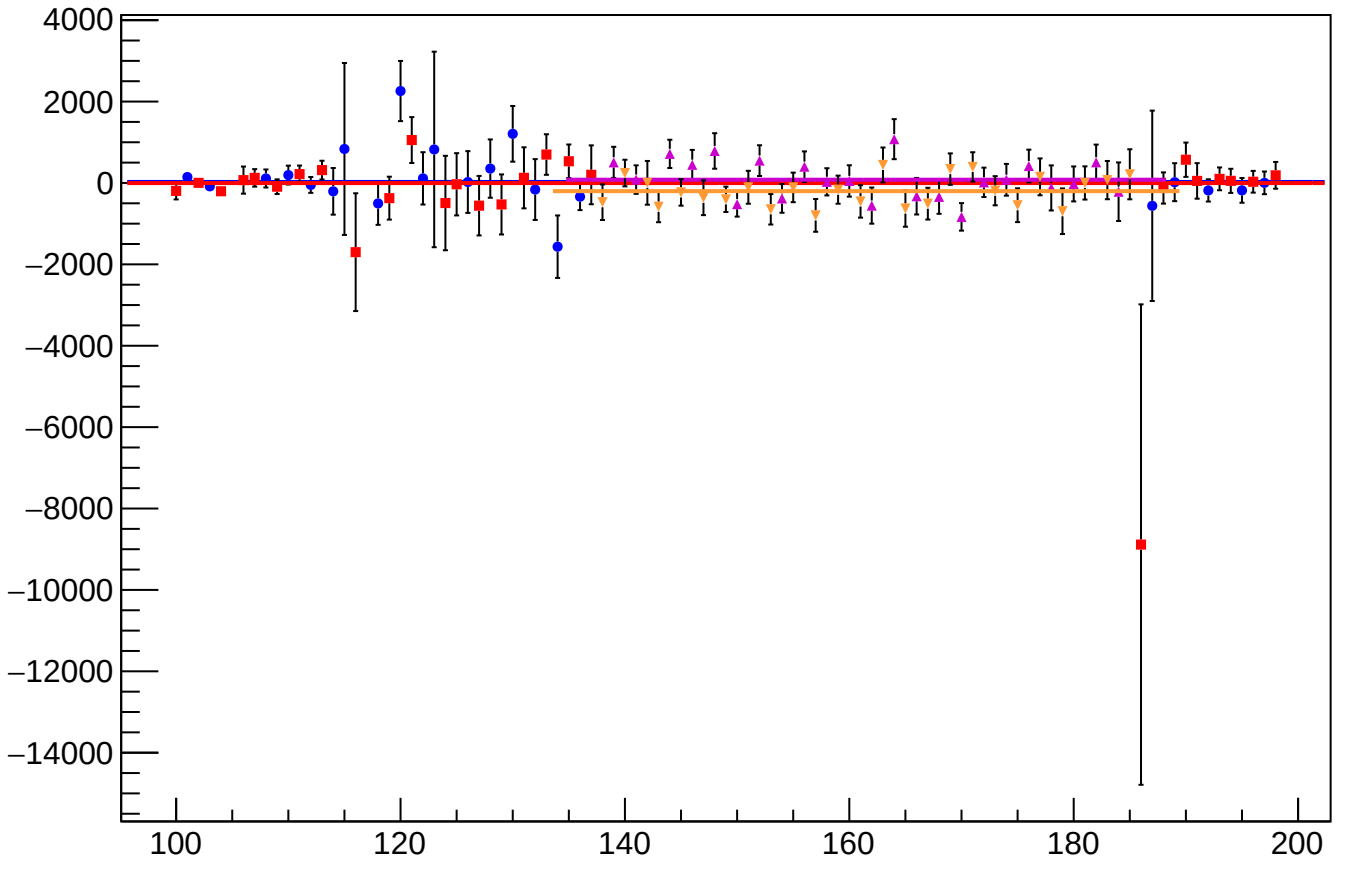
Left: 64.204+/-0.008 χ^2/NDF: 767426.6/47

Right: 58.026+/-0.009 χ^2/NDF: 2024838.7/48

In: 61.951+/-0.009 χ^2/NDF:1100682.8/44

Out: 61.359+/-0.008 χ^2/NDF:1962186.2/51

All: 61.637+/-0.006 χ^2/NDF: 3065436.7/96



Right In: 24.560+/-48.910 χ^2/NDF: 25.0/21

Left Out: -201.082+/-79.549 χ^2/NDF:19.7/24

Right Out: -2.706+/-48.955 χ^2/NDF: 23.7/26

Left In: 79.985+/-81.781 χ^2/NDF:33.4/22

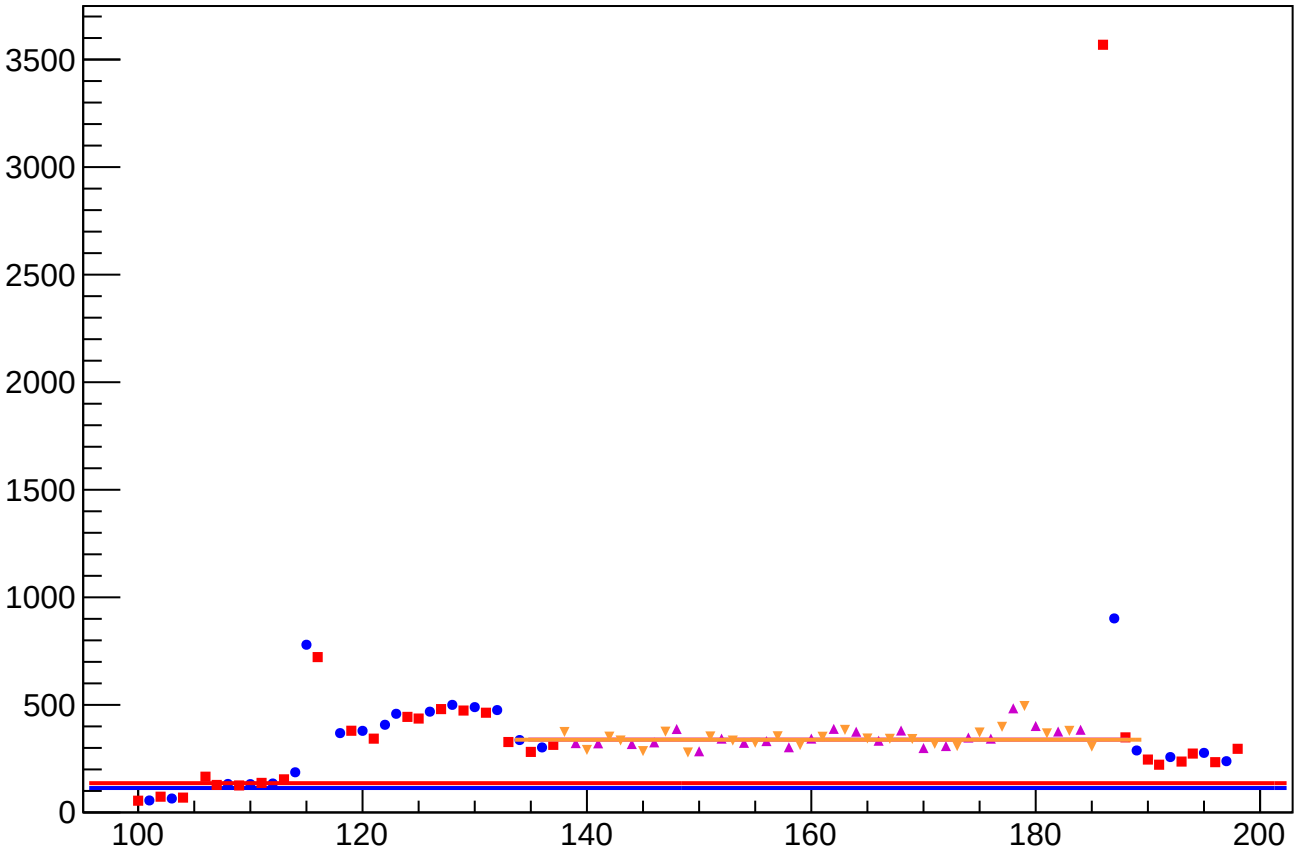
Left: -64.438+/-57.022 χ^2/NDF: 59.1/47

Right: 10.940+/-34.600 χ^2/NDF: 48.8/48

In: 39.161+/-41.976 χ^2/NDF:58.7/44

Out: -57.200+/-41.693 χ^2/NDF:47.9/51

All: -9.345+/-29.581 χ^2/NDF: 109.2/96



Right In: 113.526+/-0.035 χ^2/NDF: 8051460.9/21

Left Out: 338.130+/-0.056 χ^2/NDF:498601.7/24

Right Out: 136.108+/-0.035 χ^2/NDF: 8340859.6/26

Left In: 338.564+/-0.058 χ^2/NDF:437243.0/22

Left: 338.341+/-0.040 χ^2/NDF: 935873.7/47

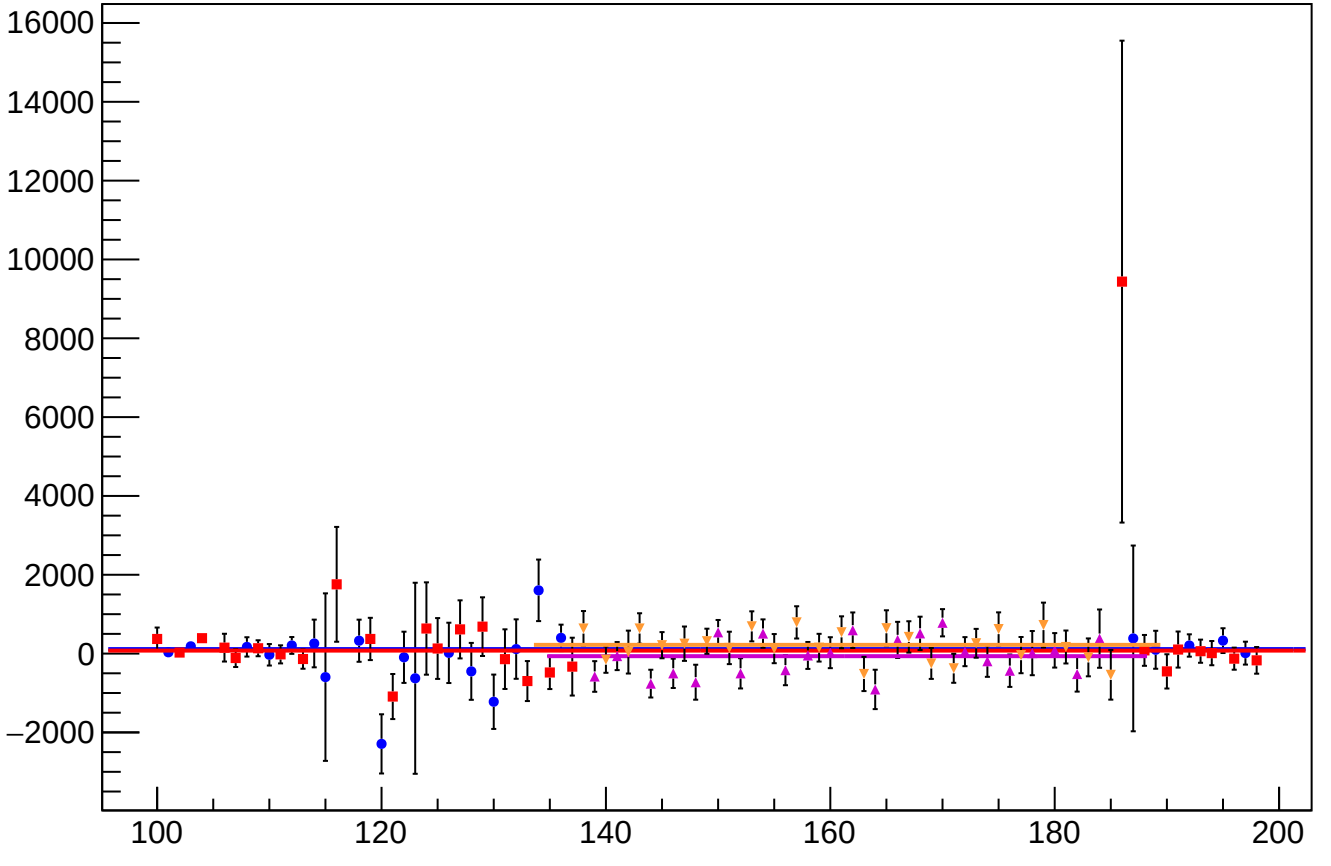
Right: 124.807+/-0.024 χ^2/NDF: 16605295.5/48

In: 172.811+/-0.030 χ^2/NDF:19642960.5/44

Out: 191.603+/-0.029 χ^2/NDF:18195207.7/51

All: 182.271+/-0.021 χ^2/NDF: 38039948.5/96

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 113.951+/-58.788 χ^2/NDF: 21.7/21

Left Out: 221.083+/-81.018 χ^2/NDF:19.7/24

Right Out: 76.023+/-55.040 χ^2/NDF: 26.4/26

Left In: -65.510+/-83.319 χ^2/NDF:34.0/22

Left: 81.798+/-58.085 χ^2/NDF: 59.7/47

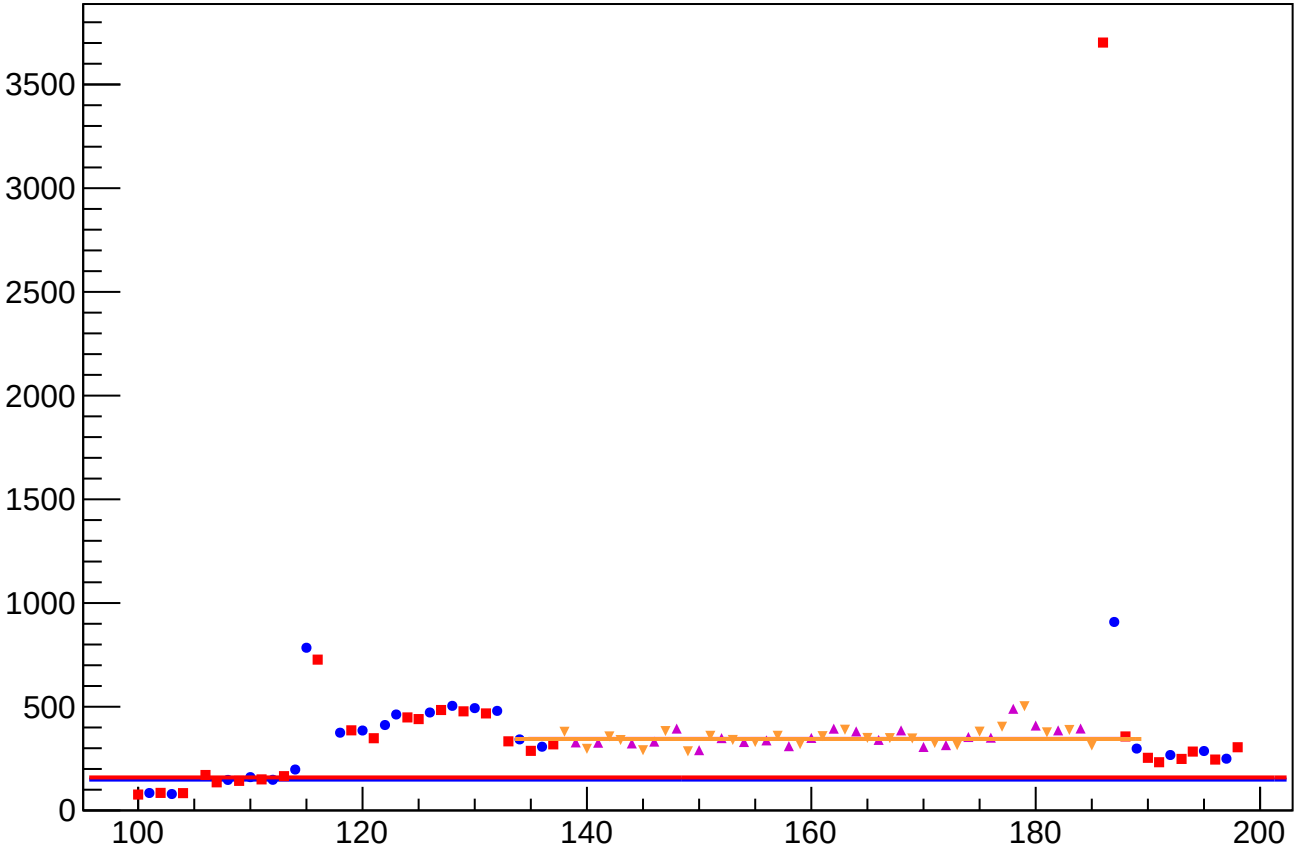
Right: 93.739+/-40.179 χ^2/NDF: 48.4/48

In: 54.303+/-48.035 χ^2/NDF:58.8/44

Out: 121.830+/-45.528 χ^2/NDF:48.3/51

All: 89.875+/-33.044 χ^2/NDF: 108.1/96

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 148.719+/-0.042 χ^2/NDF: 6321898.0/21

Left Out: 344.506+/-0.057 χ^2/NDF:488323.4/24

Right Out: 159.214+/-0.039 χ^2/NDF: 7107334.2/26

Left In: 345.039+/-0.059 χ^2/NDF:427381.3/22

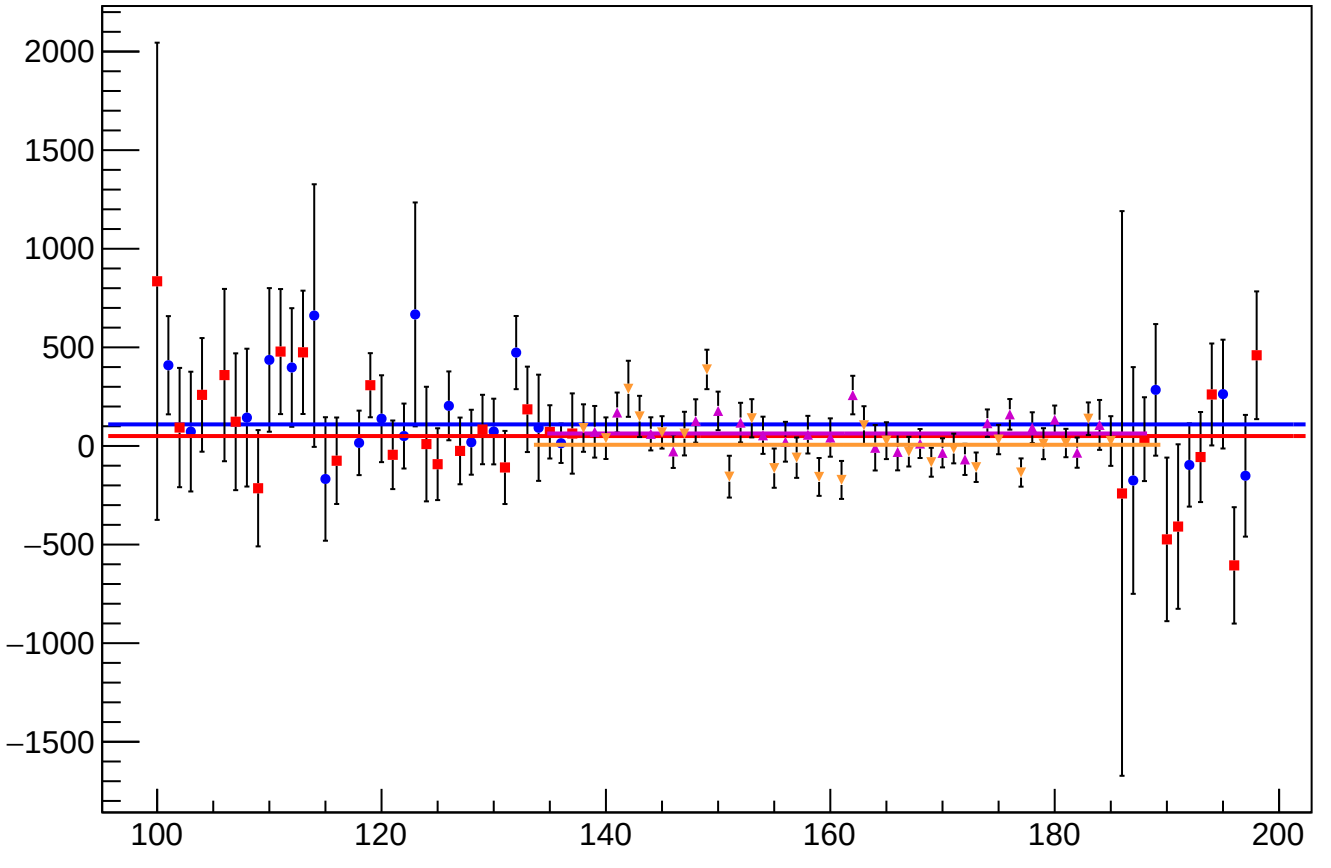
Left: 344.765+/-0.041 χ^2/NDF: 915746.8/47

Right: 154.312+/-0.028 χ^2/NDF: 13463195.6/48

In: 213.971+/-0.034 χ^2/NDF:14162452.8/44

Out: 217.726+/-0.032 χ^2/NDF:14753284.4/51

All: 215.949+/-0.023 χ^2/NDF: 28922174.5/96



Right In: 109.396+/-46.068 χ^2/NDF: 14.0/21

Left Out: 6.020+/-17.910 χ^2/NDF:46.0/24

Right Out: 50.256+/-45.243 χ^2/NDF: 21.4/26

Left In: 63.279+/-18.447 χ^2/NDF:19.8/22

Left: 33.804+/-12.850 χ^2/NDF: 70.8/47

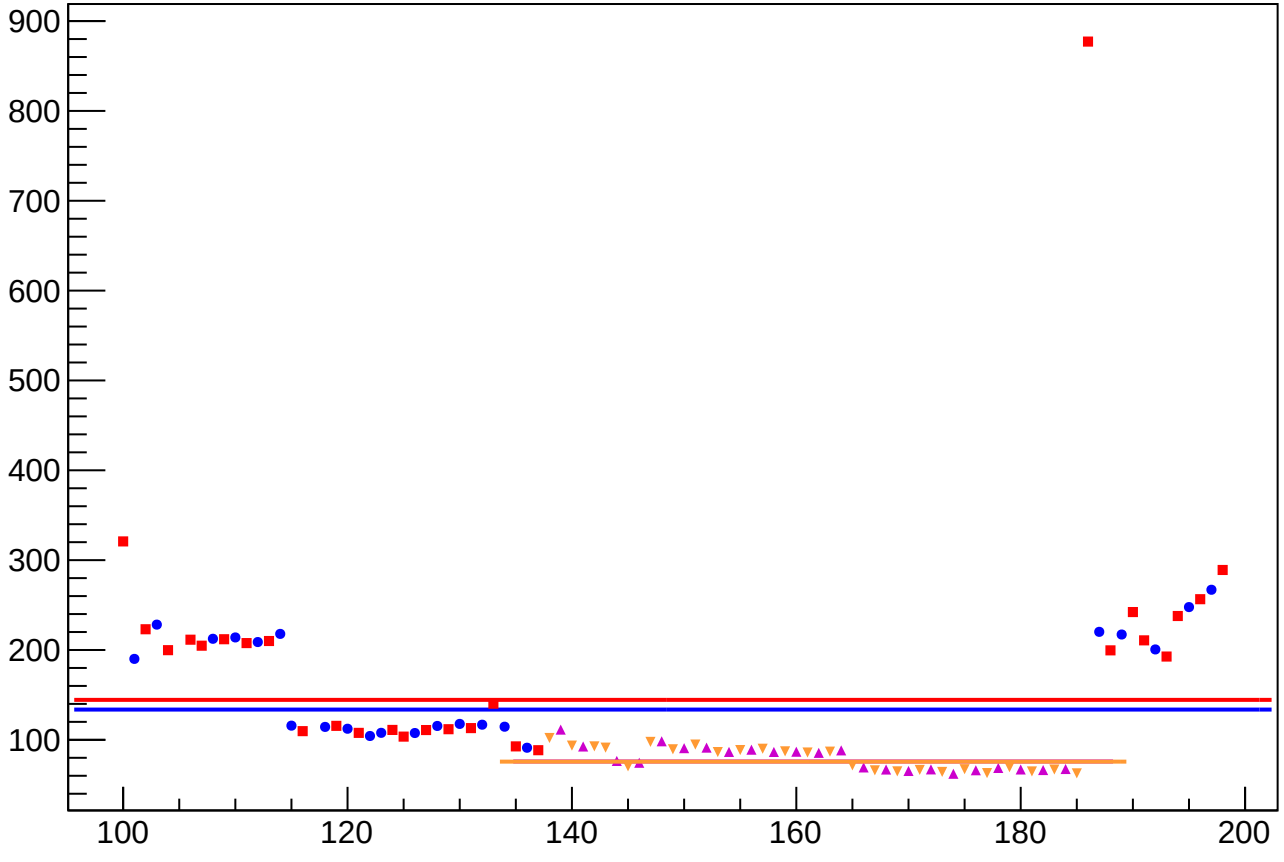
Right: 79.292+/-32.279 χ^2/NDF: 36.3/48

In: 69.651+/-17.125 χ^2/NDF:34.7/44

Out: 12.012+/-16.653 χ^2/NDF:68.3/51

All: 40.027+/-11.939 χ^2/NDF: 108.8/96

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 133.681+/-0.033 χ^2/NDF: 2336529.7/21

Left Out: 75.743+/-0.013 χ^2/NDF:937821.8/24

Right Out: 144.487+/-0.032 χ^2/NDF: 3469043.6/26

Left In: 75.909+/-0.013 χ^2/NDF:831366.4/22

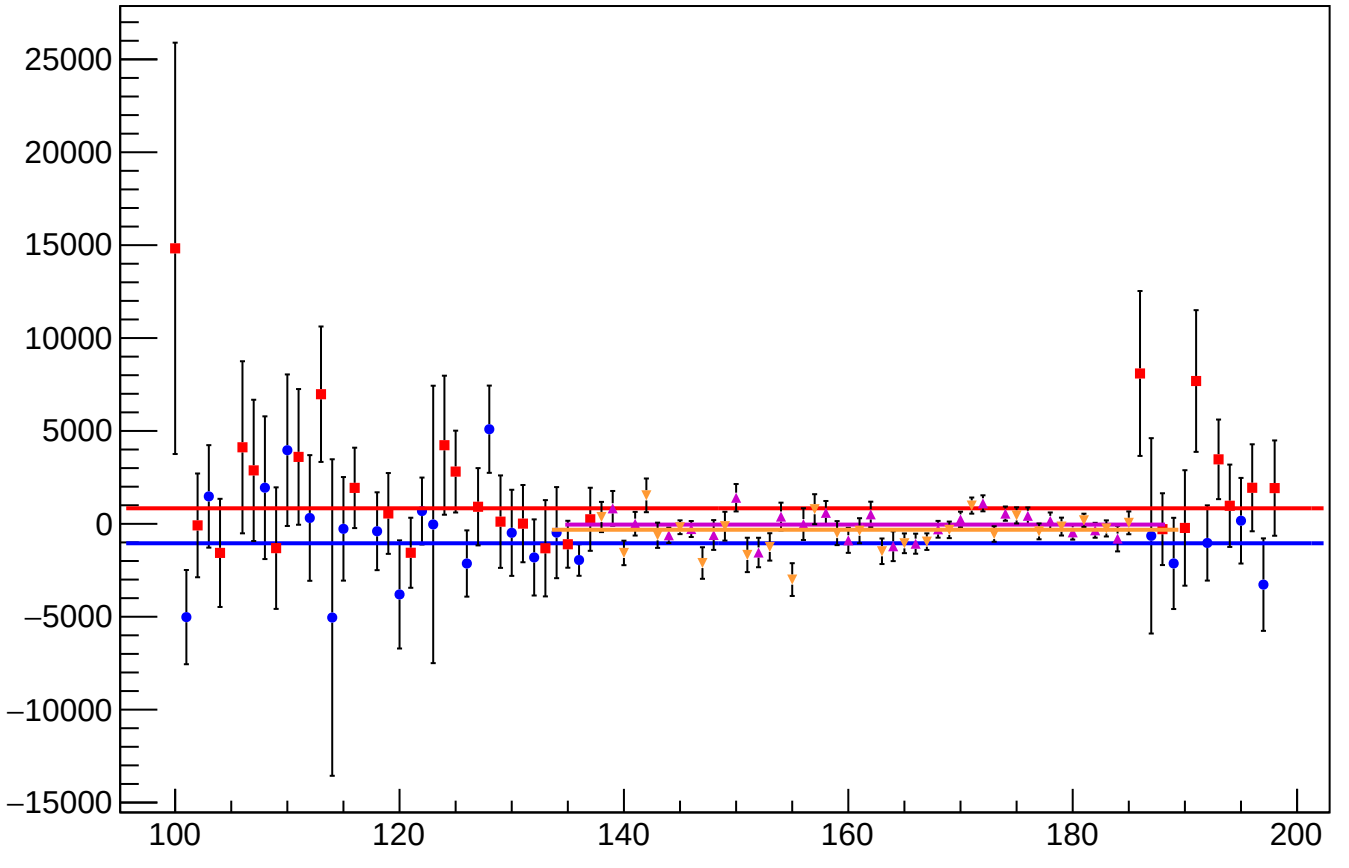
Left: 75.824+/-0.009 χ^2/NDF: 1769272.3/47

Right: 139.182+/-0.023 χ^2/NDF: 5861589.1/48

In: 83.892+/-0.012 χ^2/NDF:5878551.7/44

Out: 85.056+/-0.012 χ^2/NDF:8398737.1/51

All: 84.490+/-0.008 χ^2/NDF: 14282034.2/96



Right In: -1045.677+/-466.782 χ^2/NDF: 17.7/21

Left Out: -318.064+/-108.014 χ^2/NDF:50.0/24

Right Out: 836.930+/-466.679 χ^2/NDF: 22.2/26

Left In: -40.473+/-110.252 χ^2/NDF:34.7/22

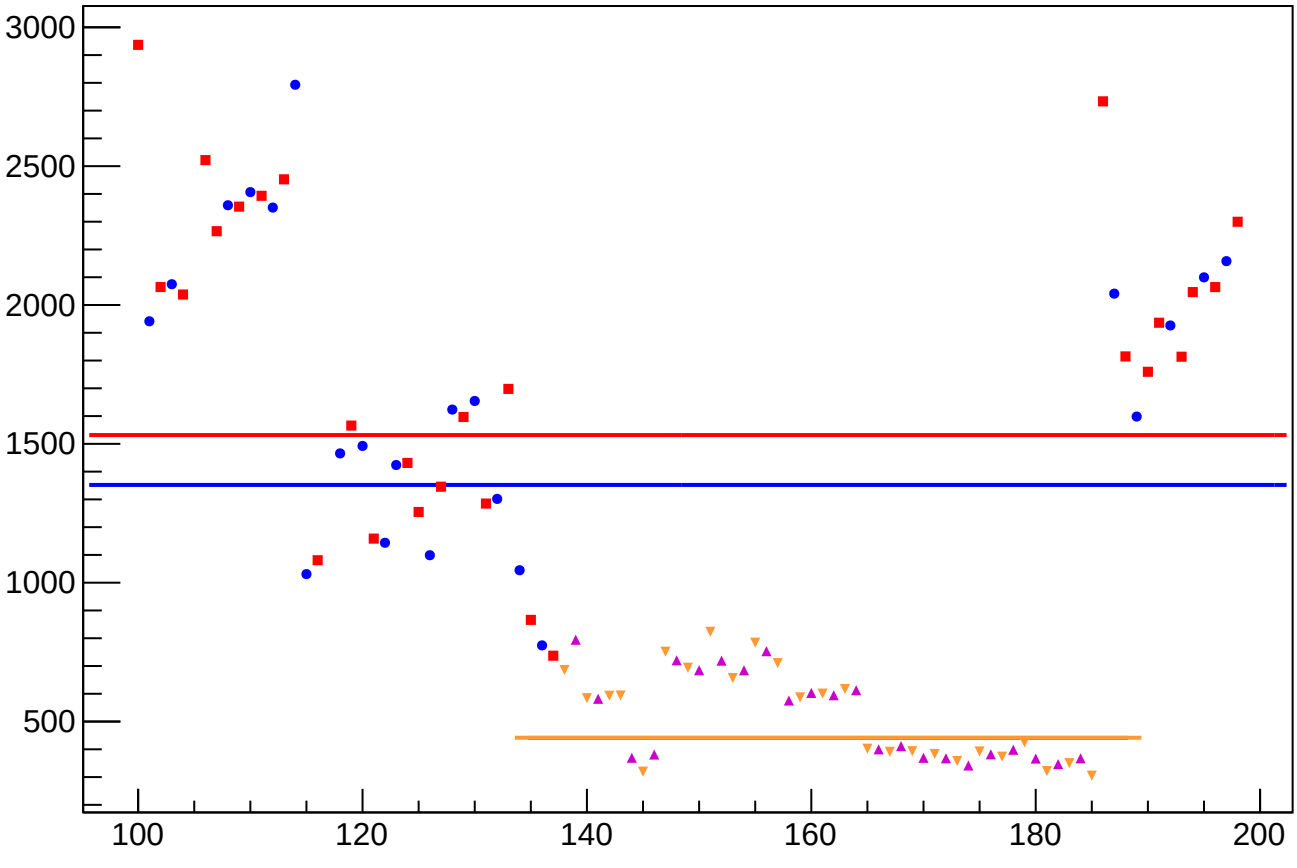
Left: -182.115+/-77.156 χ^2/NDF: 88.0/47

Right: -104.164+/-330.028 χ^2/NDF: 48.0/48

In: -93.589+/-107.300 χ^2/NDF:56.8/44

Out: -259.337+/-105.232 χ^2/NDF:78.0/51

All: -178.076+/-75.131 χ^2/NDF: 136.1/96



Right In: 1352.066+/-0.330 χ^2/NDF: 2509628.8/21

Left Out: 441.685+/-0.076 χ^2/NDF:3169140.9/24

Right Out: 1531.673+/-0.330 χ^2/NDF: 2591240.3/26

Left In: 441.009+/-0.078 χ^2/NDF:2597018.1/22

Left: 441.354+/-0.055 χ^2/NDF: 5766197.3/47

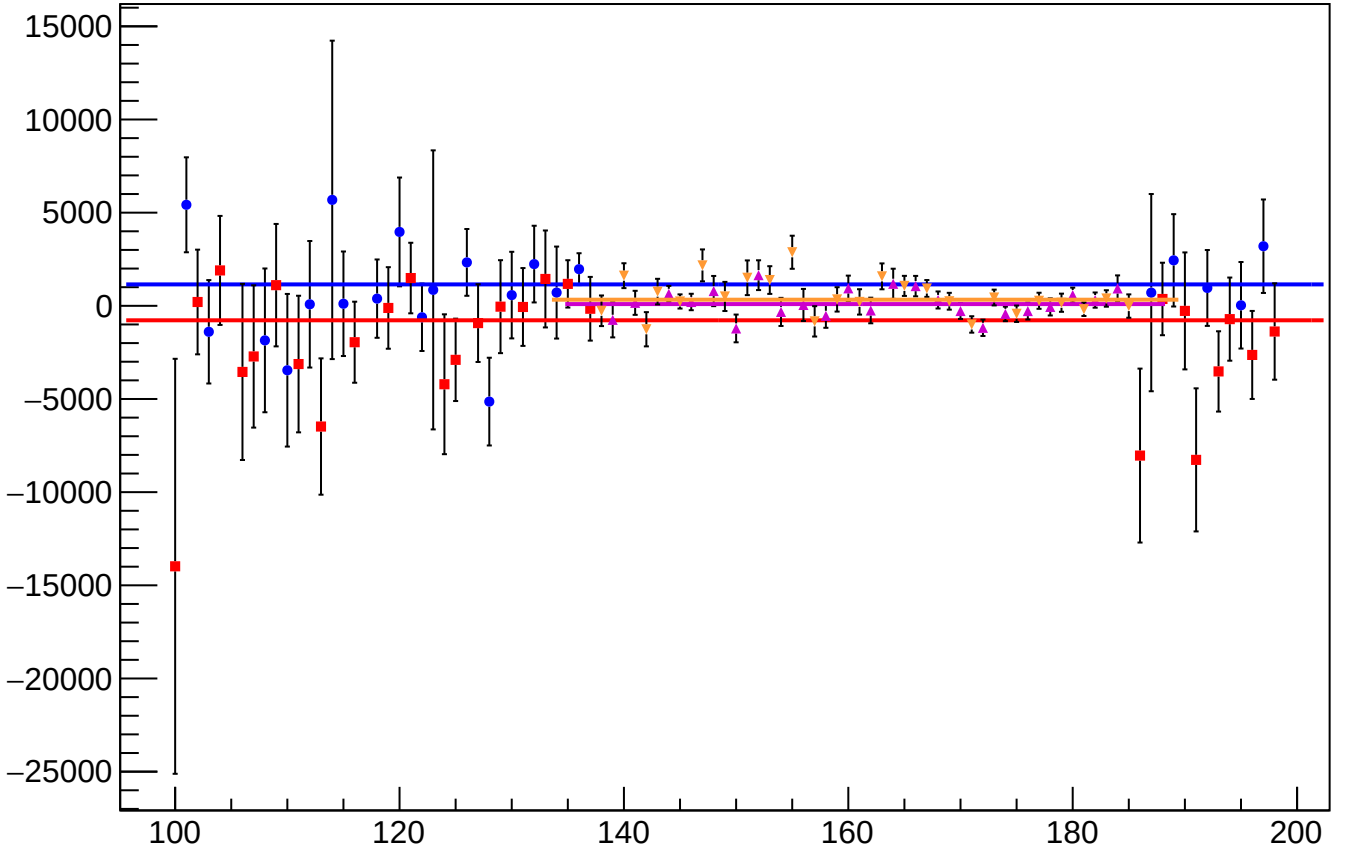
Right: 1441.889+/-0.233 χ^2/NDF: 5248955.7/48

In: 489.150+/-0.076 χ^2/NDF:12322958.8/44

Out: 497.106+/-0.074 χ^2/NDF:16115968.4/51

All: 493.205+/-0.053 χ^2/NDF: 28444532.7/96

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1149.857+/-469.585 χ^2/NDF: 18.1/21

Left Out: 328.599+/-109.668 χ^2/NDF:47.7/24

Right Out: -776.862+/-469.597 χ^2/NDF: 22.0/26

Left In: 93.310+/-111.960 χ^2/NDF:33.3/22

Left: 213.387+/-78.345 χ^2/NDF: 83.3/47

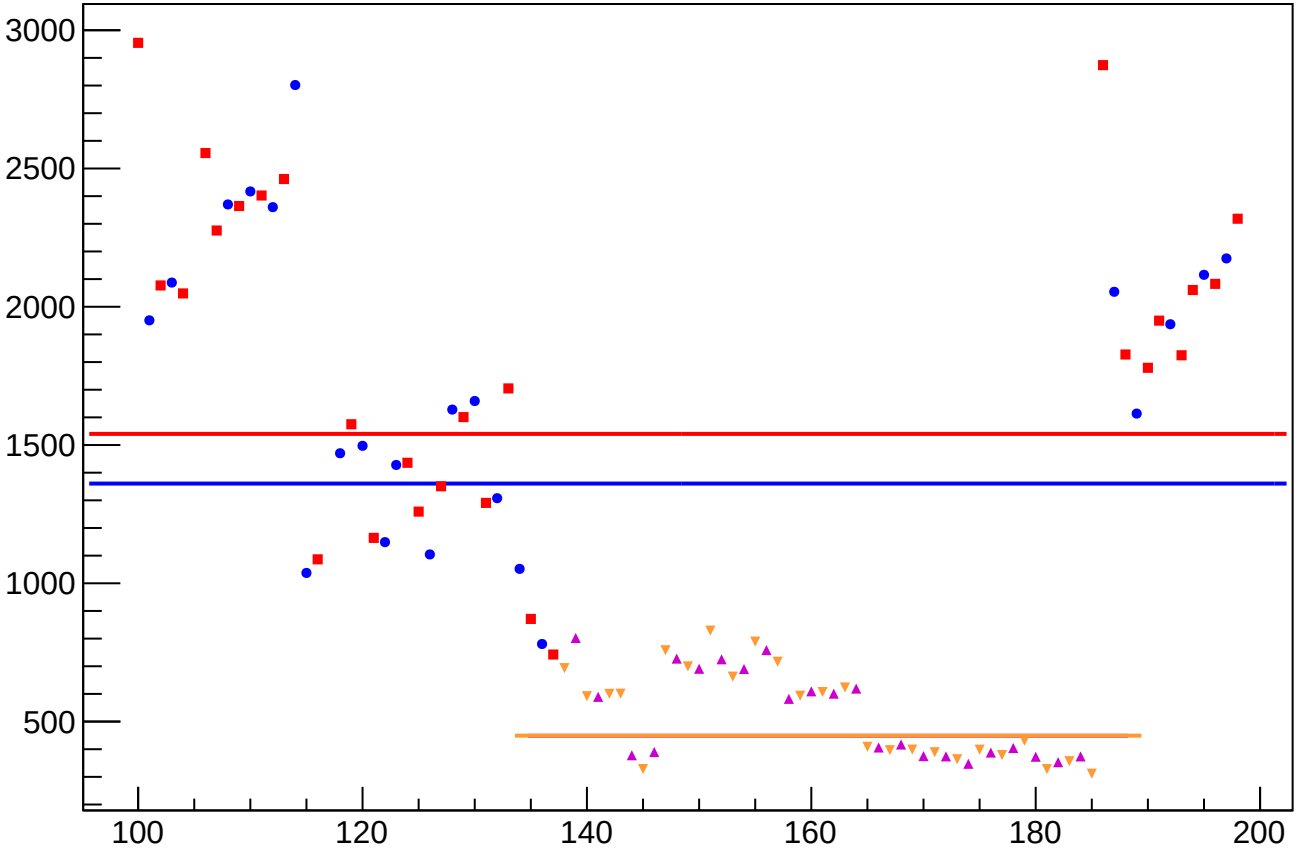
Right: 186.521+/-332.051 χ^2/NDF: 48.6/48

In: 150.140+/-108.907 χ^2/NDF:56.2/44

Out: 271.426+/-106.795 χ^2/NDF:75.0/51

All: 211.970+/-76.251 χ^2/NDF: 131.9/96

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1360.614+/-0.332 χ^2/NDF: 2499474.8/21

Left Out: 449.016+/-0.078 χ^2/NDF:3090476.2/24

Right Out: 1540.270+/-0.332 χ^2/NDF: 2611643.6/26

Left In: 448.307+/-0.079 χ^2/NDF:2537376.0/22

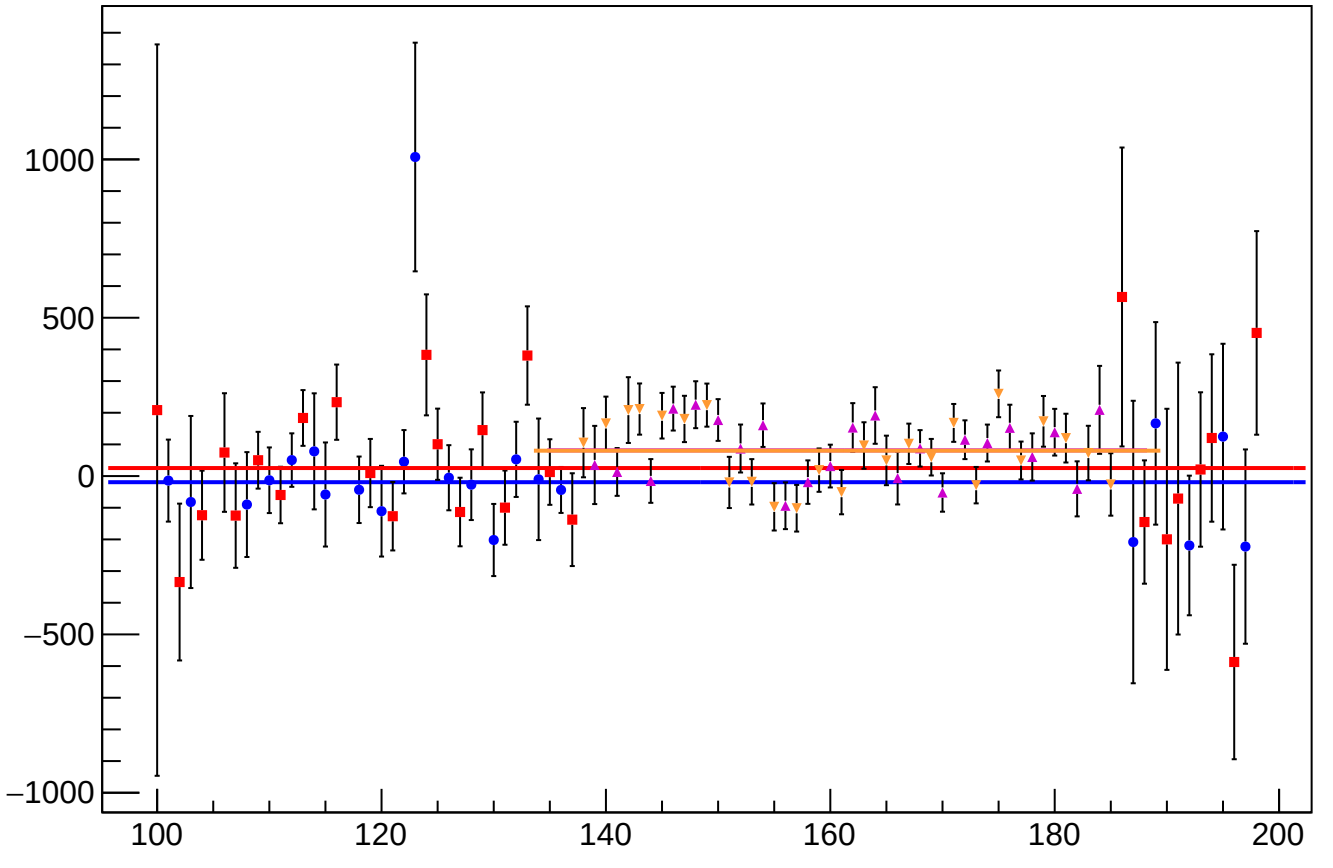
Left: 448.669+/-0.055 χ^2/NDF: 5627893.2/47

Right: 1450.440+/-0.235 χ^2/NDF: 5257485.4/48

In: 497.378+/-0.077 χ^2/NDF:12179710.0/44

Out: 505.455+/-0.076 χ^2/NDF:15943735.4/51

All: 501.495+/-0.054 χ^2/NDF: 28129053.3/96



Right In: -19.321+/-28.234 χ^2/NDF: 15.3/21

Left Out: 80.171+/-14.592 χ^2/NDF:48.6/24

Right Out: 25.342+/-27.071 χ^2/NDF: 36.0/26

Left In: 81.156+/-15.105 χ^2/NDF:35.3/22

Left: 80.646+/-10.495 χ^2/NDF: 83.8/47

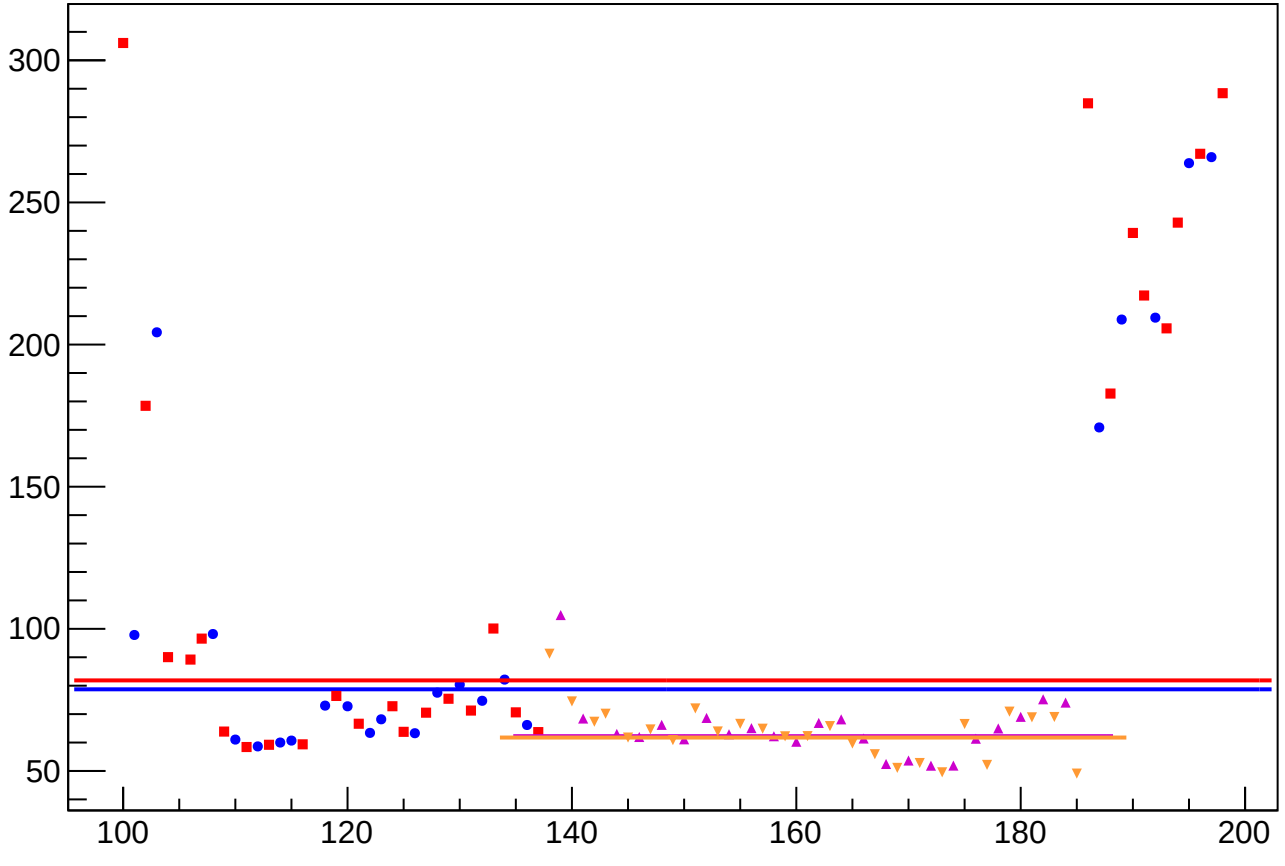
Right: 3.950+/-19.540 χ^2/NDF: 52.6/48

In: 58.797+/-13.319 χ^2/NDF:60.5/44

Out: 67.826+/-12.845 χ^2/NDF:87.7/51

All: 63.475+/-9.246 χ^2/NDF: 148.4/96

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 78.725+/-0.020 χ^2/NDF: 3542803.4/21

Left Out: 61.761+/-0.010 χ^2/NDF:645535.0/24

Right Out: 81.862+/-0.019 χ^2/NDF: 5265348.9/26

Left In: 62.250+/-0.011 χ^2/NDF:591085.1/22

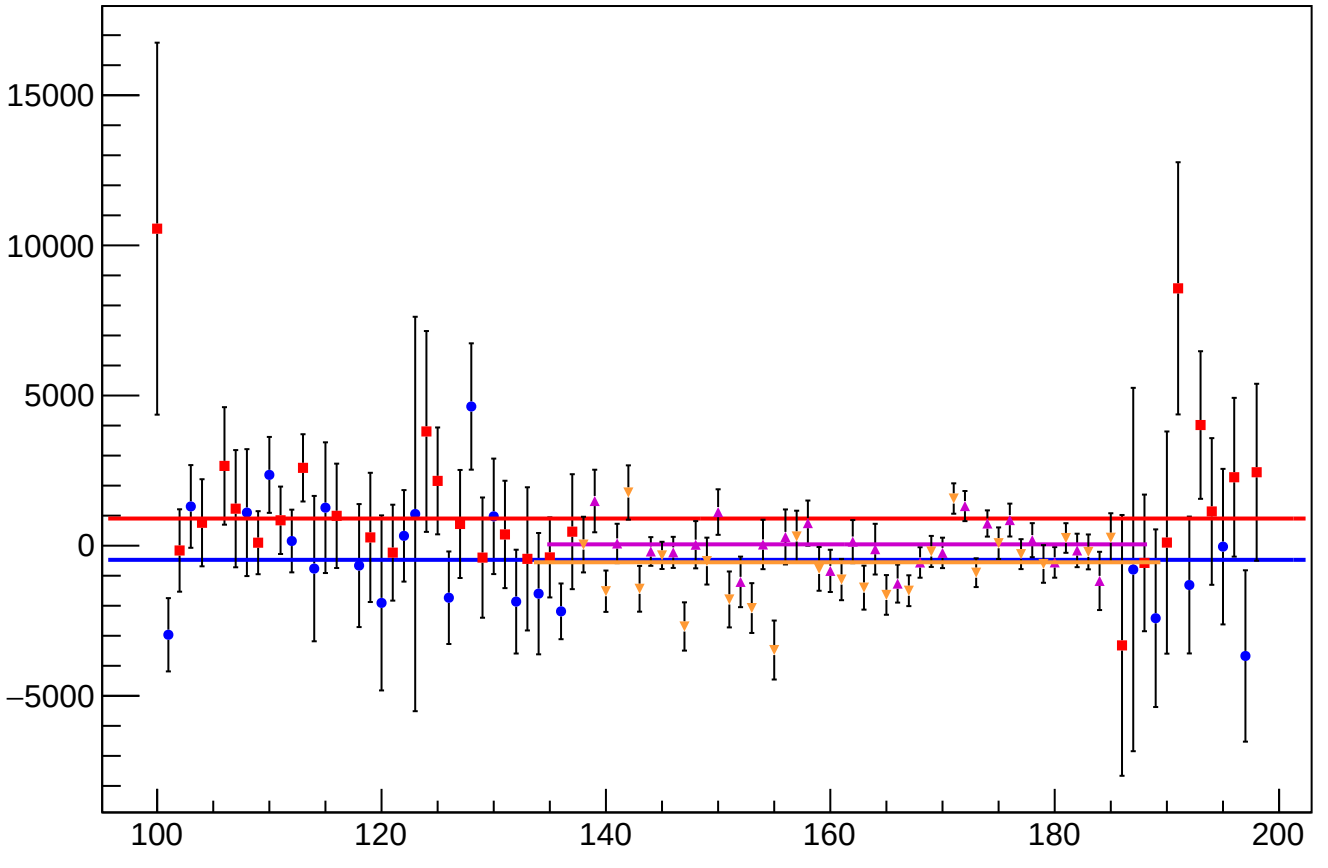
Left: 61.997+/-0.007 χ^2/NDF: 1237703.8/47

Right: 80.359+/-0.014 χ^2/NDF: 8821011.9/48

In: 65.916+/-0.009 χ^2/NDF:4663336.0/44

Out: 66.287+/-0.009 χ^2/NDF:6765302.1/51

All: 66.108+/-0.007 χ^2/NDF: 11429439.3/96



Right In: -471.375+/-367.011 χ^2/NDF: 26.4/21

Left Out: -552.511+/-126.981 χ^2/NDF:65.3/24

Right Out: 904.040+/-348.144 χ^2/NDF: 17.3/26

Left In: 44.578+/-129.095 χ^2/NDF:29.6/22

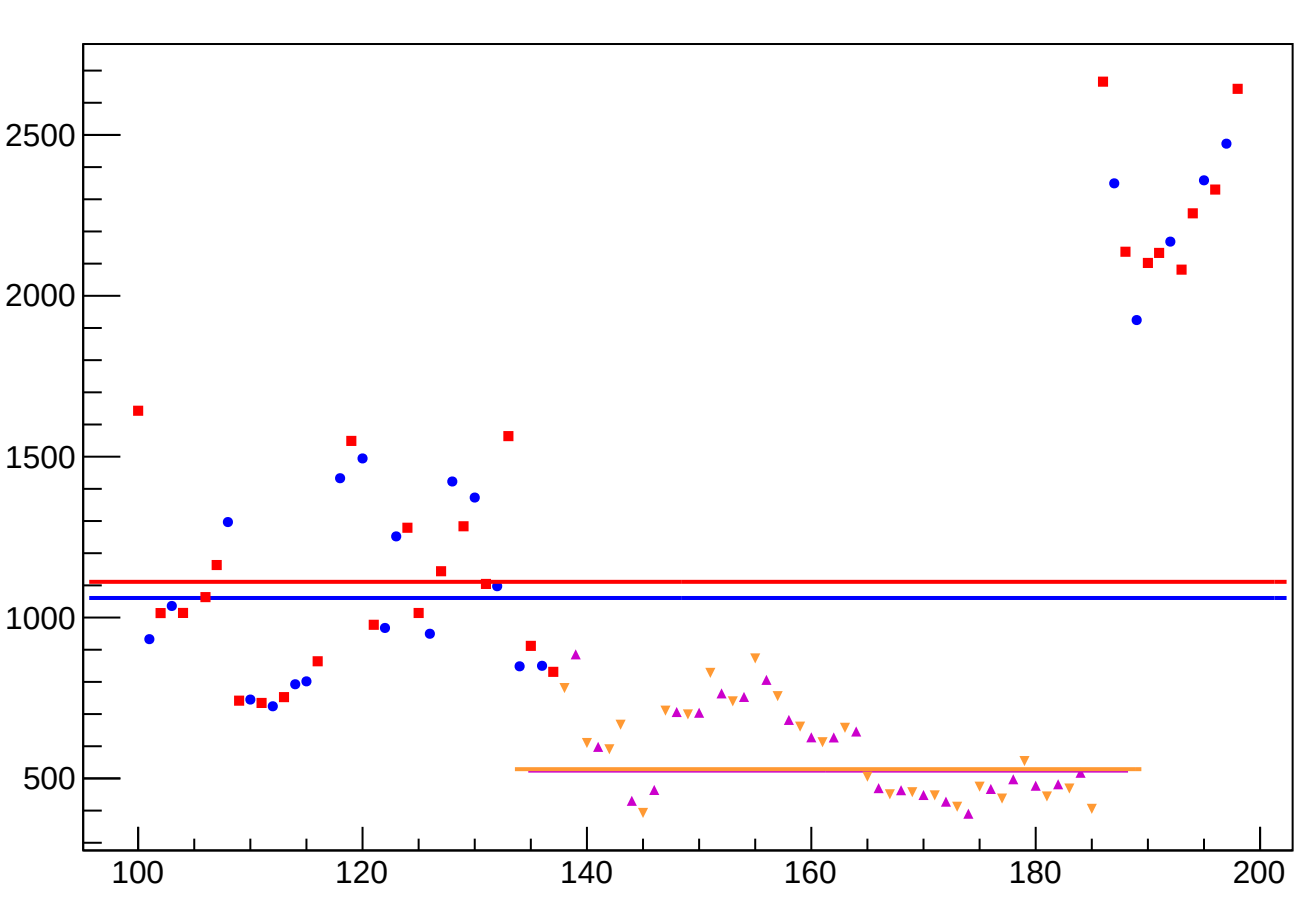
Left: -258.894+/-90.527 χ^2/NDF: 105.7/47

Right: 252.593+/-252.581 χ^2/NDF: 51.1/48

In: -12.230+/-121.781 χ^2/NDF:57.7/44

Out: -381.492+/-119.294 χ^2/NDF:98.1/51

All: -200.670+/-85.219 χ^2/NDF: 160.4/96



Right In: 1060.808+/-0.260 χ^2/NDF: 2527530.5/21

Left Out: 528.736+/-0.090 χ^2/NDF:1983697.7/24

Right Out: 1111.017+/-0.246 χ^2/NDF: 3680086.7/26

Left In: 524.268+/-0.091 χ^2/NDF:1716257.3/22

Left: 526.539+/-0.064 χ^2/NDF: 3701172.5/47

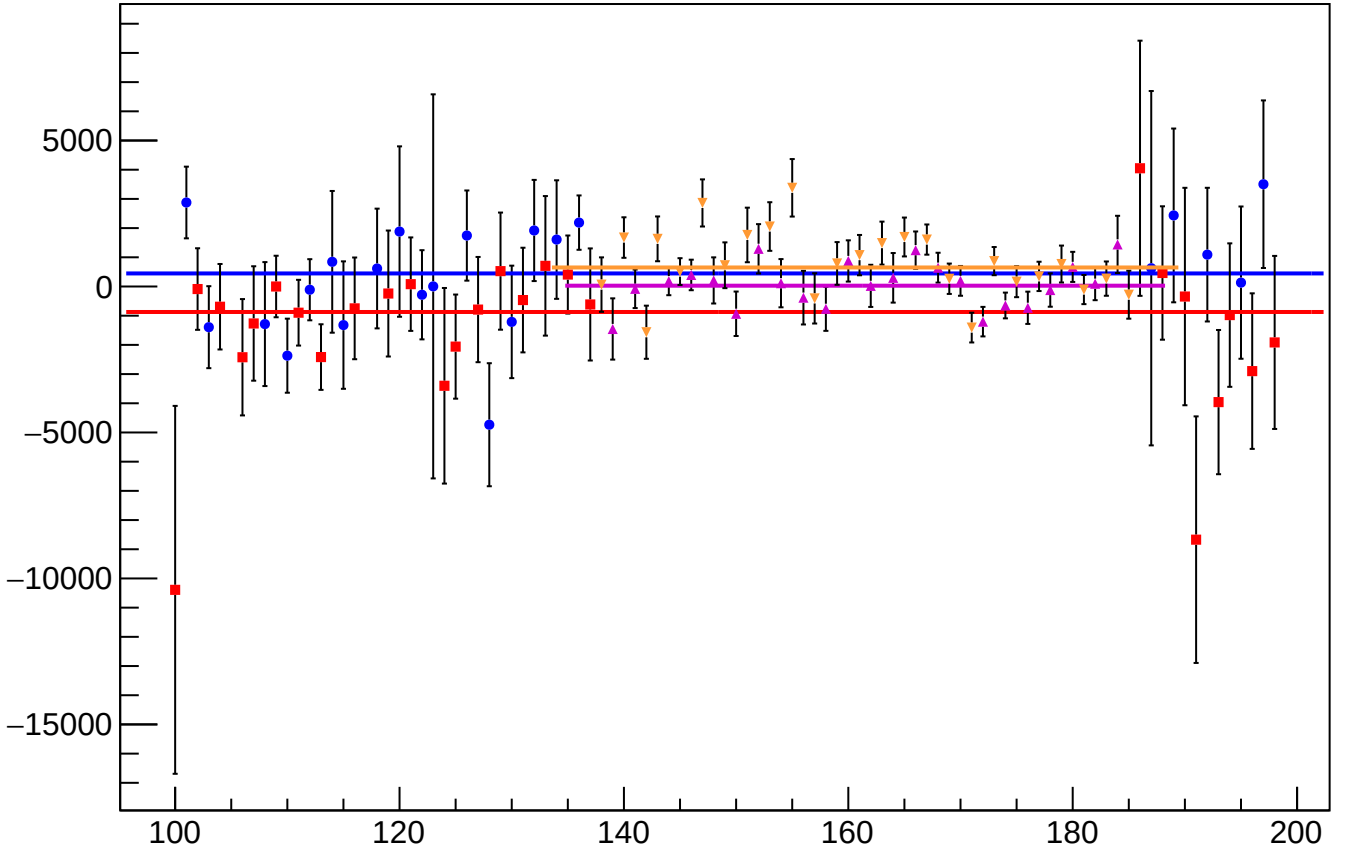
Right: 1087.236+/-0.179 χ^2/NDF: 6227320.0/48

In: 583.343+/-0.086 χ^2/NDF:8047576.0/44

Out: 597.103+/-0.084 χ^2/NDF:10601610.0/51

All: 590.365+/-0.060 χ^2/NDF: 18662217.6/96

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 447.306+/-368.712 χ^2/NDF: 26.4/21

Left Out: 651.560+/-127.961 χ^2/NDF:61.1/24

Right Out: -873.179+/-349.934 χ^2/NDF: 16.5/26

Left In: 27.483+/-130.127 χ^2/NDF:28.5/22

Left: 344.758+/-91.238 χ^2/NDF: 101.2/47

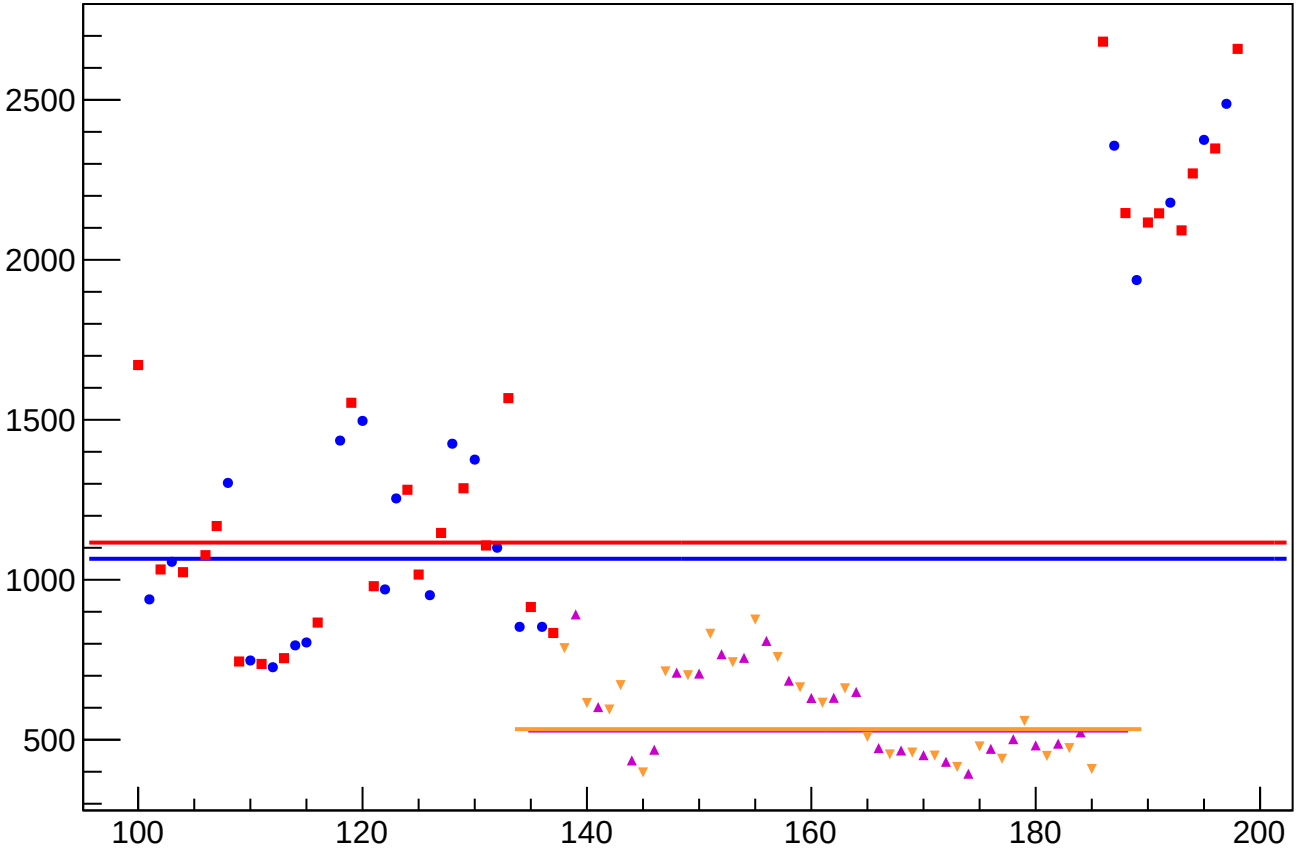
Right: -247.417+/-253.820 χ^2/NDF: 49.7/48

In: 73.982+/-122.709 χ^2/NDF:56.0/44

Out: 471.725+/-120.178 χ^2/NDF:94.4/51

All: 276.997+/-85.860 χ^2/NDF: 155.7/96

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1065.622+/-0.261 χ^2/NDF: 2531128.2/21

Left Out: 533.060+/-0.090 χ^2/NDF:1951536.4/24

Right Out: 1116.304+/-0.247 χ^2/NDF: 3688664.5/26

Left In: 528.694+/-0.092 χ^2/NDF:1688511.2/22

Left: 530.914+/-0.065 χ^2/NDF: 3641192.3/47

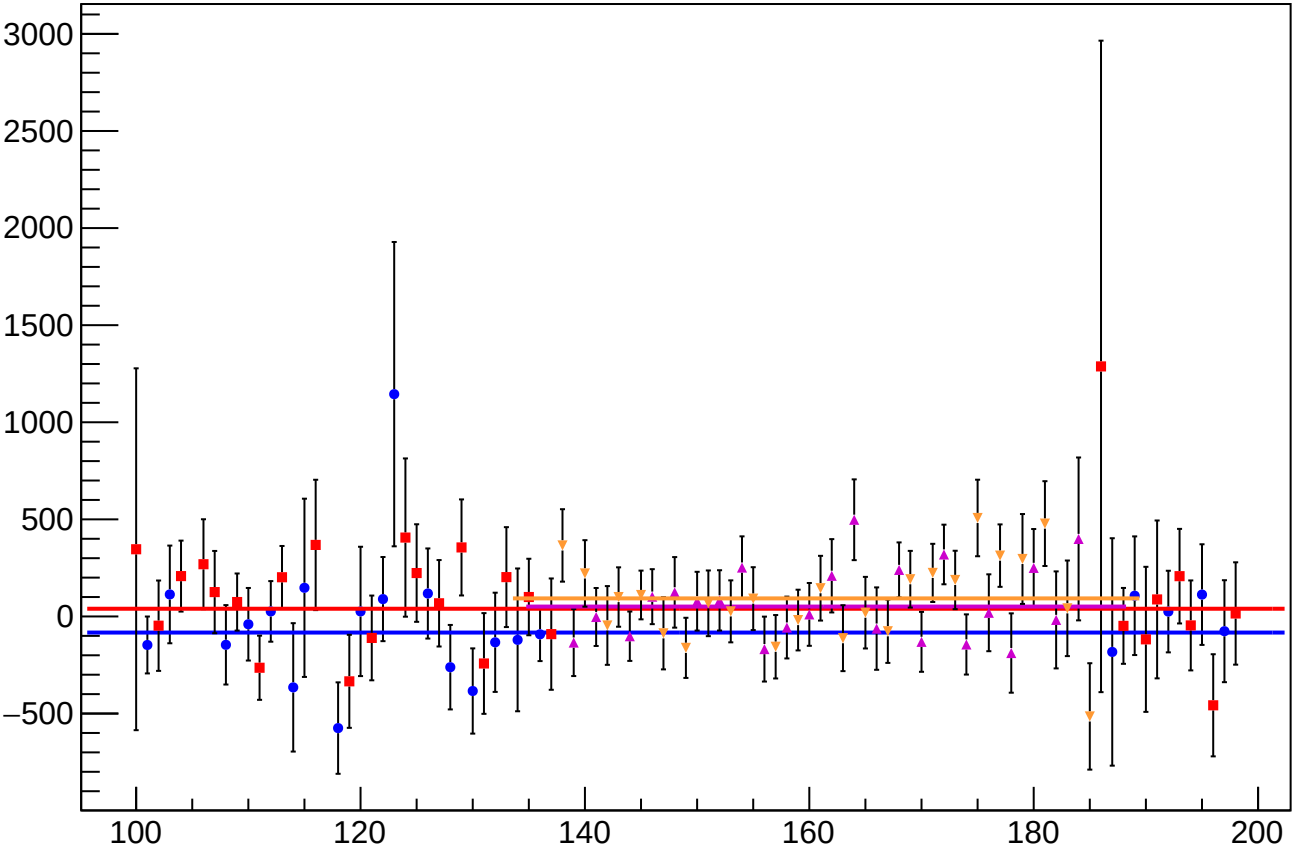
Right: 1092.287+/-0.179 χ^2/NDF: 6239673.7/48

In: 588.164+/-0.087 χ^2/NDF:7991079.6/44

Out: 601.851+/-0.085 χ^2/NDF:10540851.4/51

All: 595.150+/-0.061 χ^2/NDF: 18544632.0/96

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -82.933+/-48.716 χ^2/NDF: 14.6/21

Left Out: 92.994+/-34.054 χ^2/NDF:29.4/24

Right Out: 39.695+/-45.186 χ^2/NDF: 20.6/26

Left In: 50.896+/-35.280 χ^2/NDF:23.5/22

Left: 72.689+/-24.502 χ^2/NDF: 53.6/47

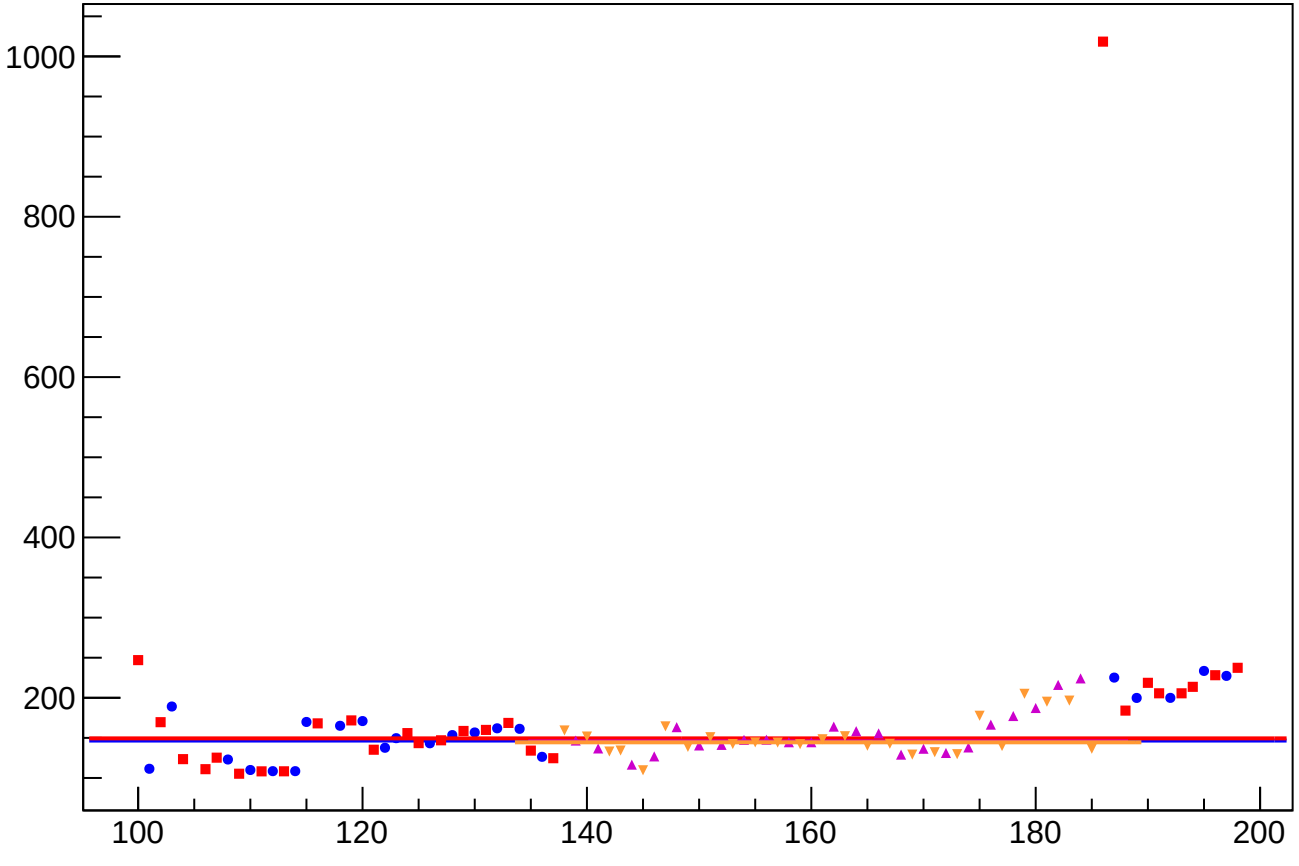
Right: -17.017+/-33.129 χ^2/NDF: 38.6/48

In: 4.854+/-28.574 χ^2/NDF:43.0/44

Out: 73.688+/-27.195 χ^2/NDF:50.9/51

All: 40.971+/-19.699 χ^2/NDF: 96.9/96

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 146.680+/-0.034 χ^2/NDF: 1152760.5/21

Left Out: 144.475+/-0.024 χ^2/NDF:670488.7/24

Right Out: 149.372+/-0.032 χ^2/NDF: 2040317.2/26

Left In: 145.535+/-0.025 χ^2/NDF:643529.3/22

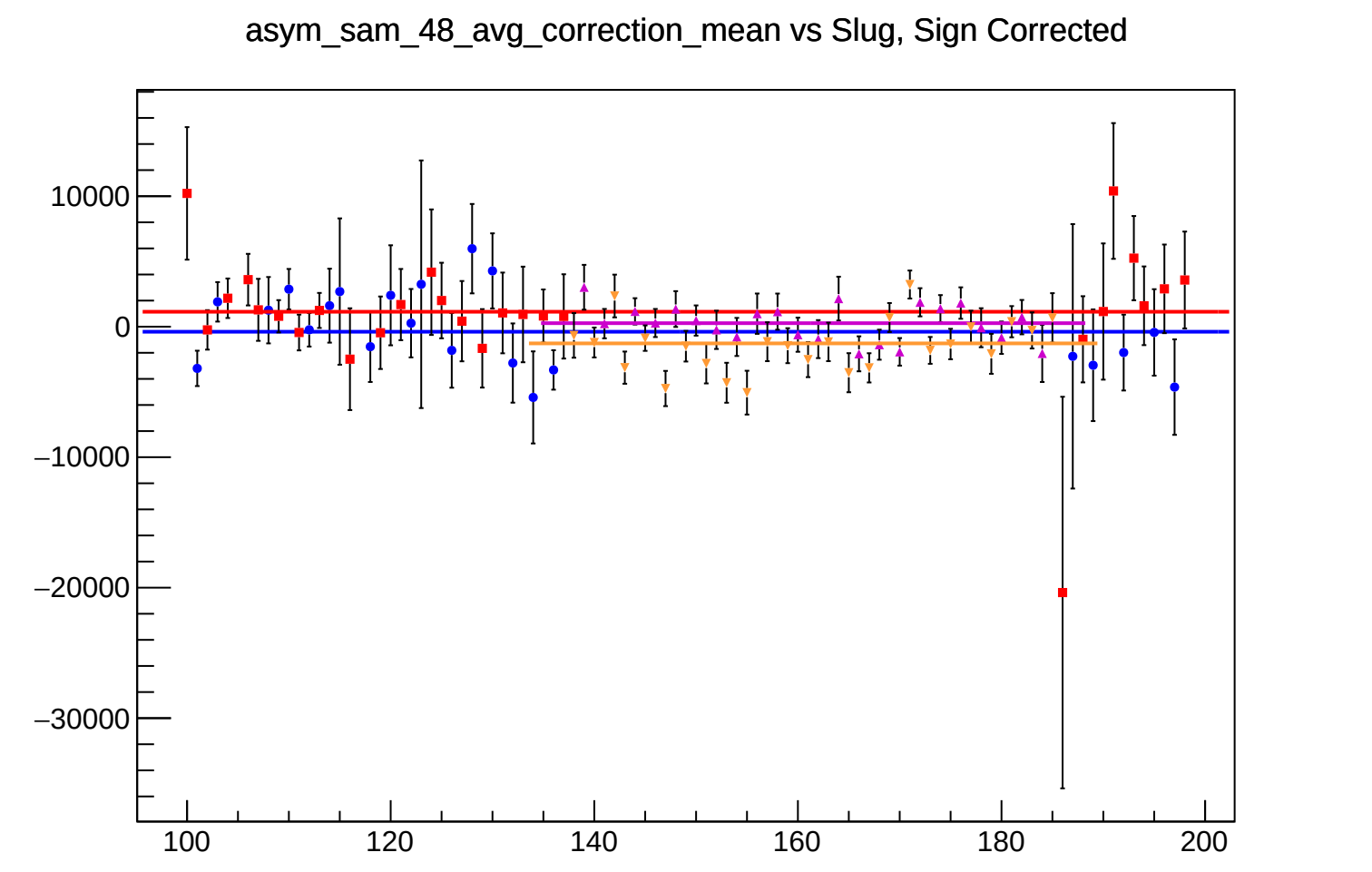
Left: 144.986+/-0.017 χ^2/NDF: 1314951.6/47

Right: 148.127+/-0.023 χ^2/NDF: 3196359.6/48

In: 145.929+/-0.020 χ^2/NDF:1797015.0/44

Out: 146.249+/-0.019 χ^2/NDF:2725783.4/51

All: 146.097+/-0.014 χ^2/NDF: 4522930.1/96



Right In: -386.072+/-501.371 χ^2/NDF: 27.9/21

Left Out: -1279.328+/-259.299 χ^2/NDF:55.9/24

Right Out: 1145.592+/-454.217 χ^2/NDF: 18.2/26

Left In: 269.952+/-266.245 χ^2/NDF:24.3/22

Left: -525.161+/-185.759 χ^2/NDF: 97.6/47

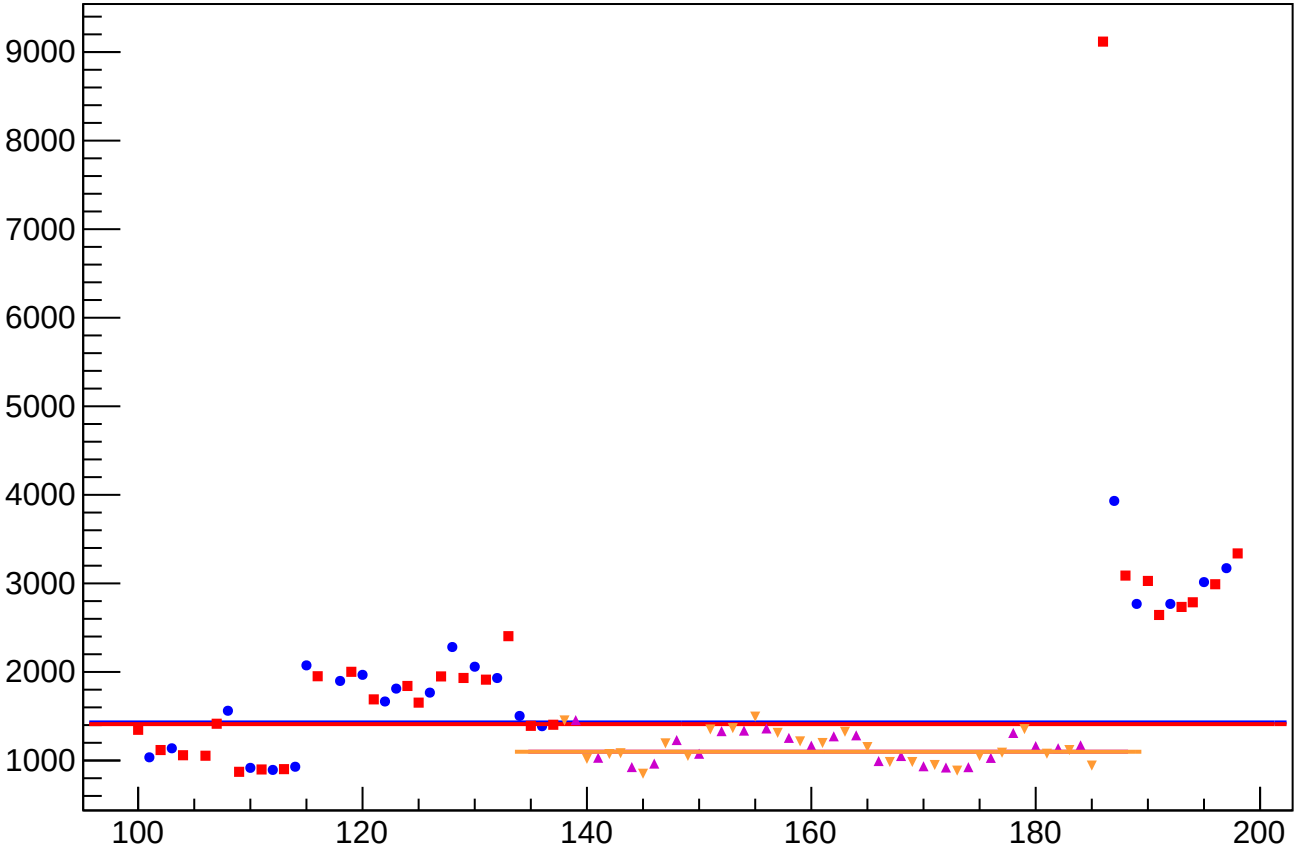
Right: 455.157+/-336.619 χ^2/NDF: 51.2/48

In: 125.648+/-235.146 χ^2/NDF:53.6/44

Out: -683.304+/-225.189 χ^2/NDF:95.6/51

All: -296.318+/-162.639 χ^2/NDF: 155.3/96

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1430.001+/-0.355 χ^2/NDF: 2979244.2/21

Left Out: 1098.909+/-0.183 χ^2/NDF:824328.7/24

Right Out: 1410.874+/-0.321 χ^2/NDF: 4767298.5/26

Left In: 1099.585+/-0.188 χ^2/NDF:679896.1/22

Left: 1099.238+/-0.131 χ^2/NDF: 1504231.4/47

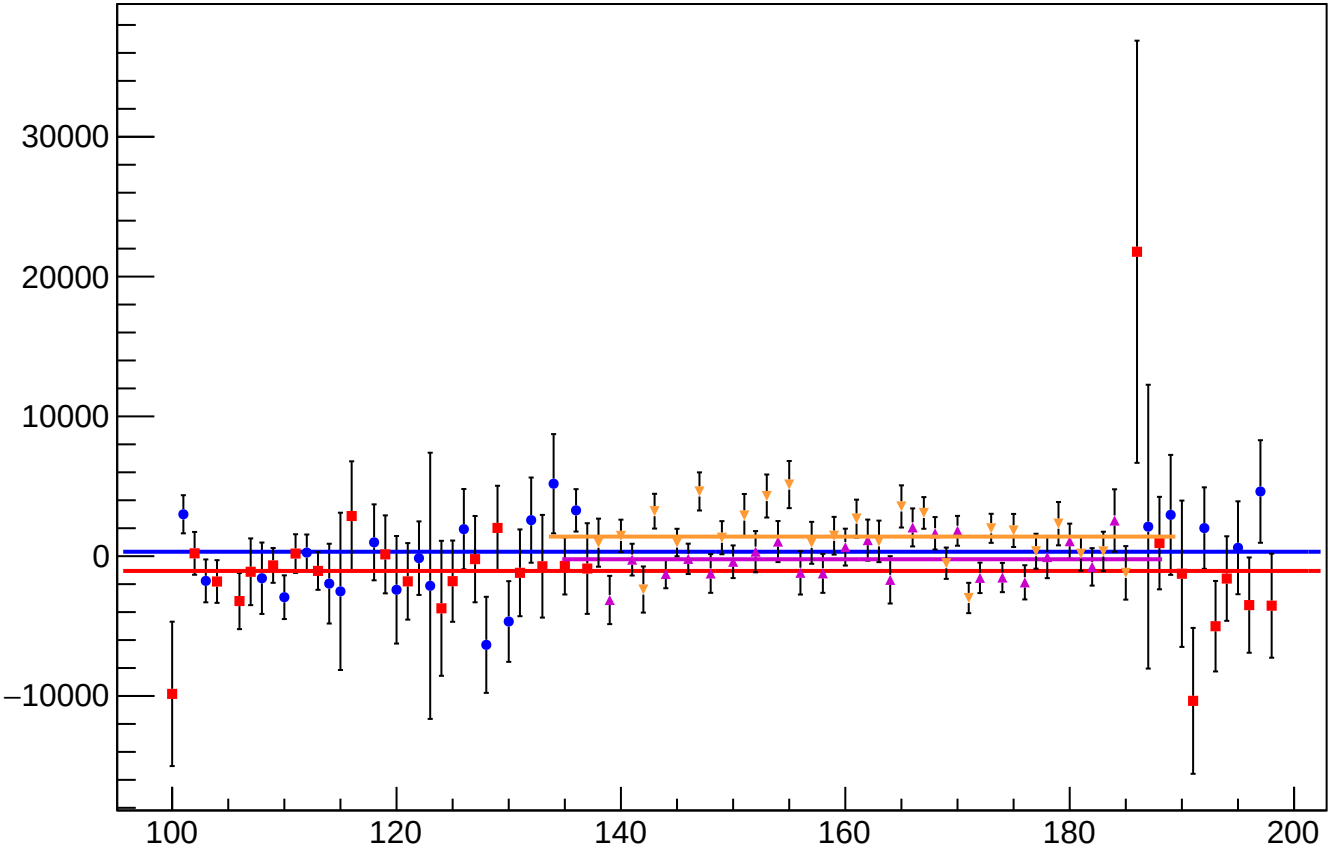
Right: 1419.496+/-0.238 χ^2/NDF: 7748141.4/48

In: 1172.266+/-0.166 χ^2/NDF:4336700.0/44

Out: 1175.587+/-0.159 χ^2/NDF:6303178.3/51

All: 1173.998+/-0.115 χ^2/NDF: 10640086.5/9

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 317.206+/-504.472 χ^2/NDF: 27.6/21

Left Out: 1400.458+/-261.804 χ^2/NDF:52.2/24

Right Out: -1055.355+/-457.455 χ^2/NDF: 17.0/26

Left In: -219.393+/-268.852 χ^2/NDF:25.0/22

Left: 612.044+/-187.566 χ^2/NDF: 95.9/47

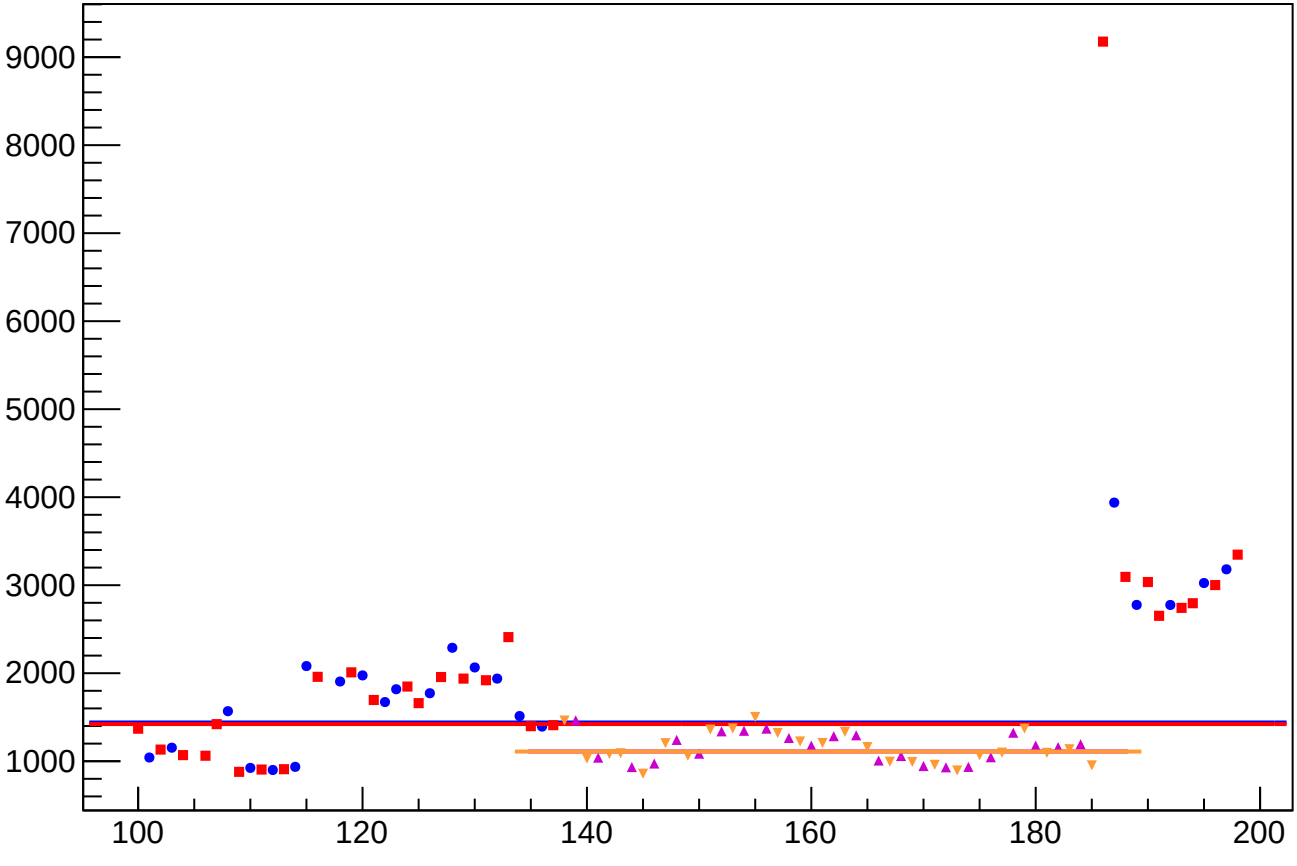
Right: -436.002+/-338.875 χ^2/NDF: 48.6/48

In: -100.698+/-237.261 χ^2/NDF:53.5/44

Out: 794.551+/-227.224 χ^2/NDF:90.9/51

All: 366.264+/-164.105 χ^2/NDF: 151.8/96

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1440.028+/-0.357 χ^2/NDF: 2953646.3/21

Left Out: 1109.761+/-0.185 χ^2/NDF:812174.9/24

Right Out: 1421.985+/-0.323 χ^2/NDF: 4729281.4/26

Left In: 1110.542+/-0.190 χ^2/NDF:669928.9/22

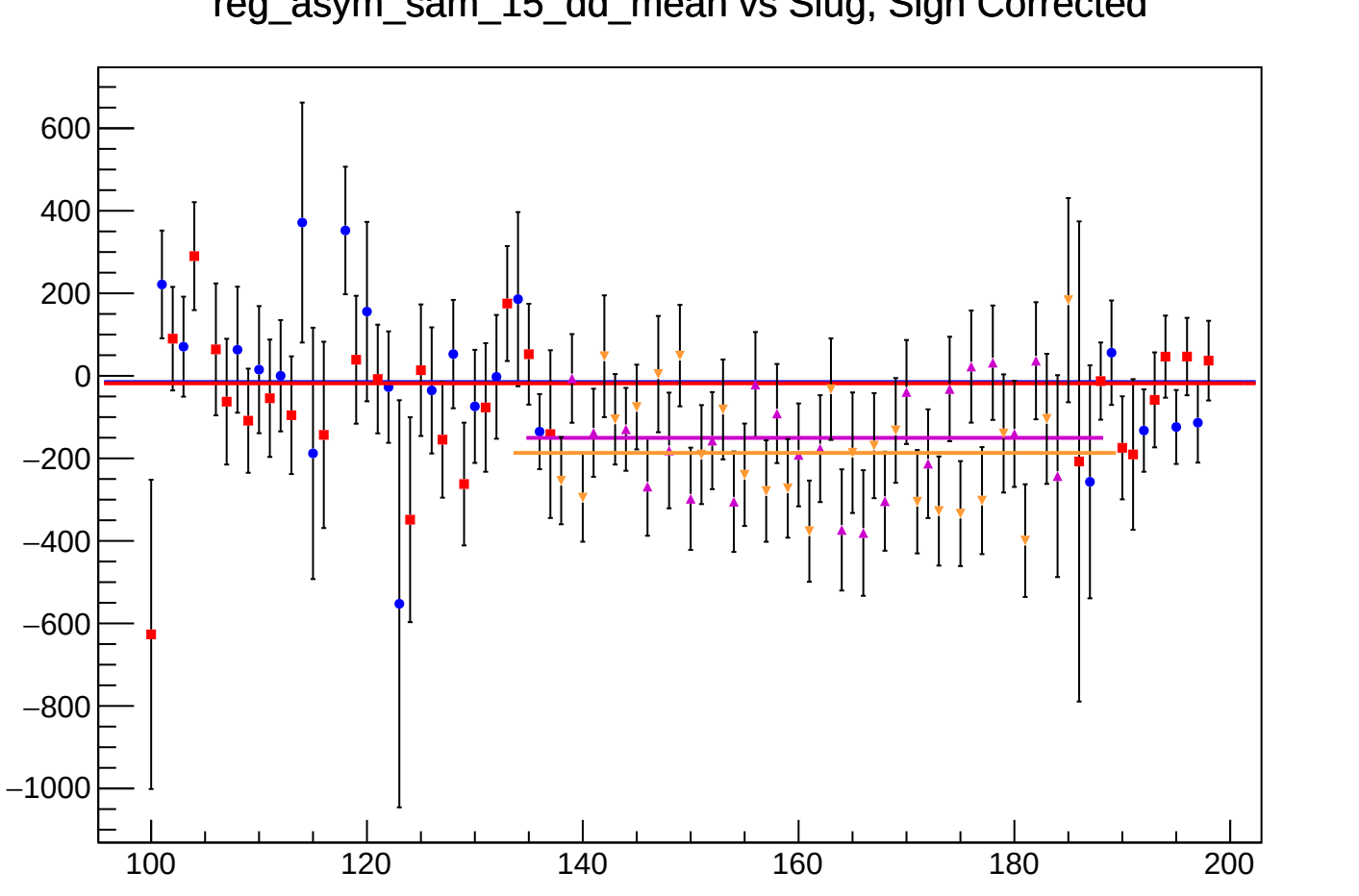
Left: 1110.141+/-0.133 χ^2/NDF: 1482112.5/47

Right: 1430.127+/-0.240 χ^2/NDF: 7684331.8/48

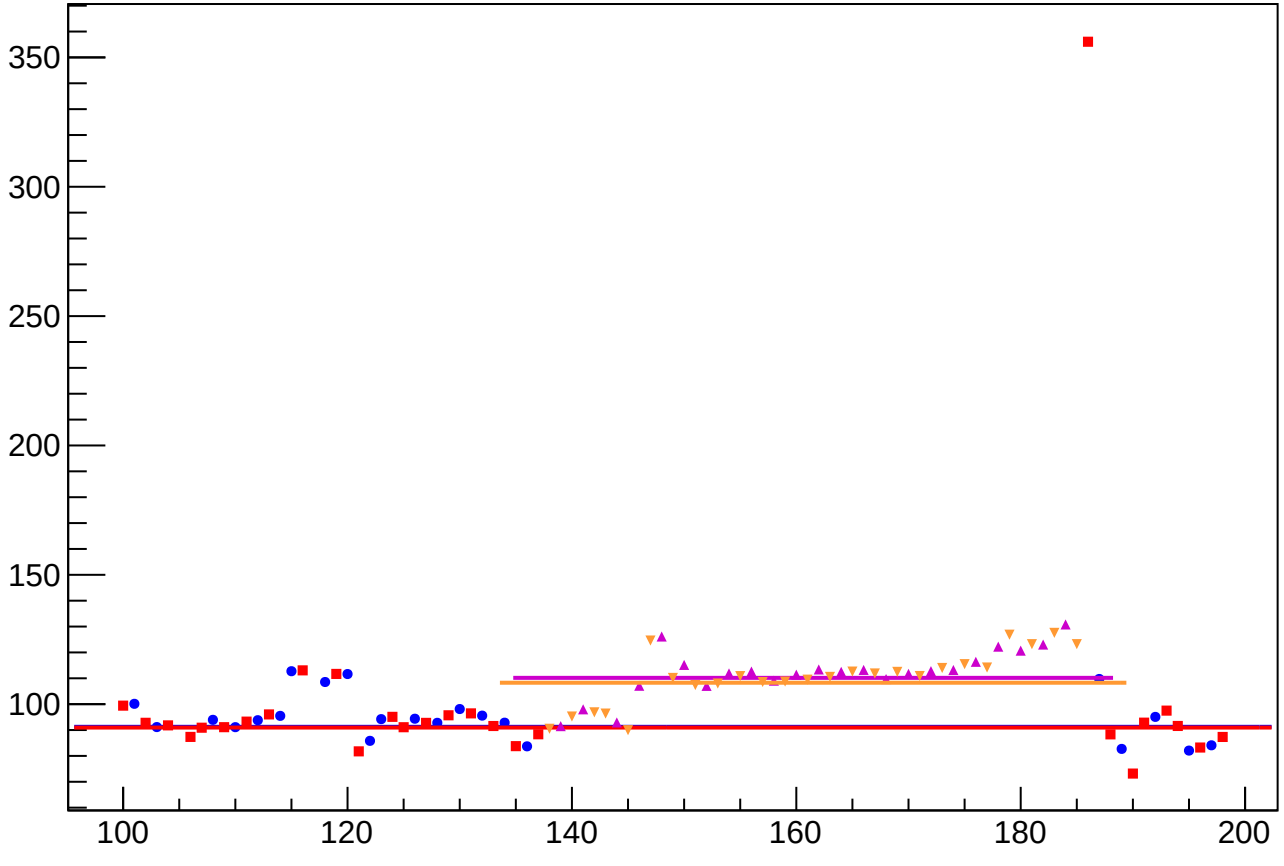
In: 1183.423+/-0.168 χ^2/NDF:4288020.1/44

Out: 1186.794+/-0.161 χ^2/NDF:6243264.5/51

All: 1185.182+/-0.116 χ^2/NDF: 10531495.1/9


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -15.071+/-29.358 χ²/NDF: 21.7/21
Left Out: -186.838+/-25.308 χ²/NDF:26.6/24
Right Out: -18.140+/-26.390 χ²/NDF: 22.7/26
Left In: -150.315+/-26.445 χ²/NDF:20.7/22
Left: -169.379+/-18.284 χ²/NDF: 48.3/47
Right: -16.768+/-19.626 χ²/NDF: 44.5/48
In: -89.734+/-19.649 χ²/NDF:54.1/44
Out: -106.019+/-18.266 χ²/NDF:70.6/51
All: -98.470+/-13.378 χ²/NDF: 125.1/96

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 91.245+/-0.021 χ^2/NDF: 141360.1/21

Left Out: 108.287+/-0.018 χ^2/NDF:330693.5/24

Right Out: 90.958+/-0.019 χ^2/NDF: 563591.7/26

Left In: 110.173+/-0.019 χ^2/NDF:246967.7/22

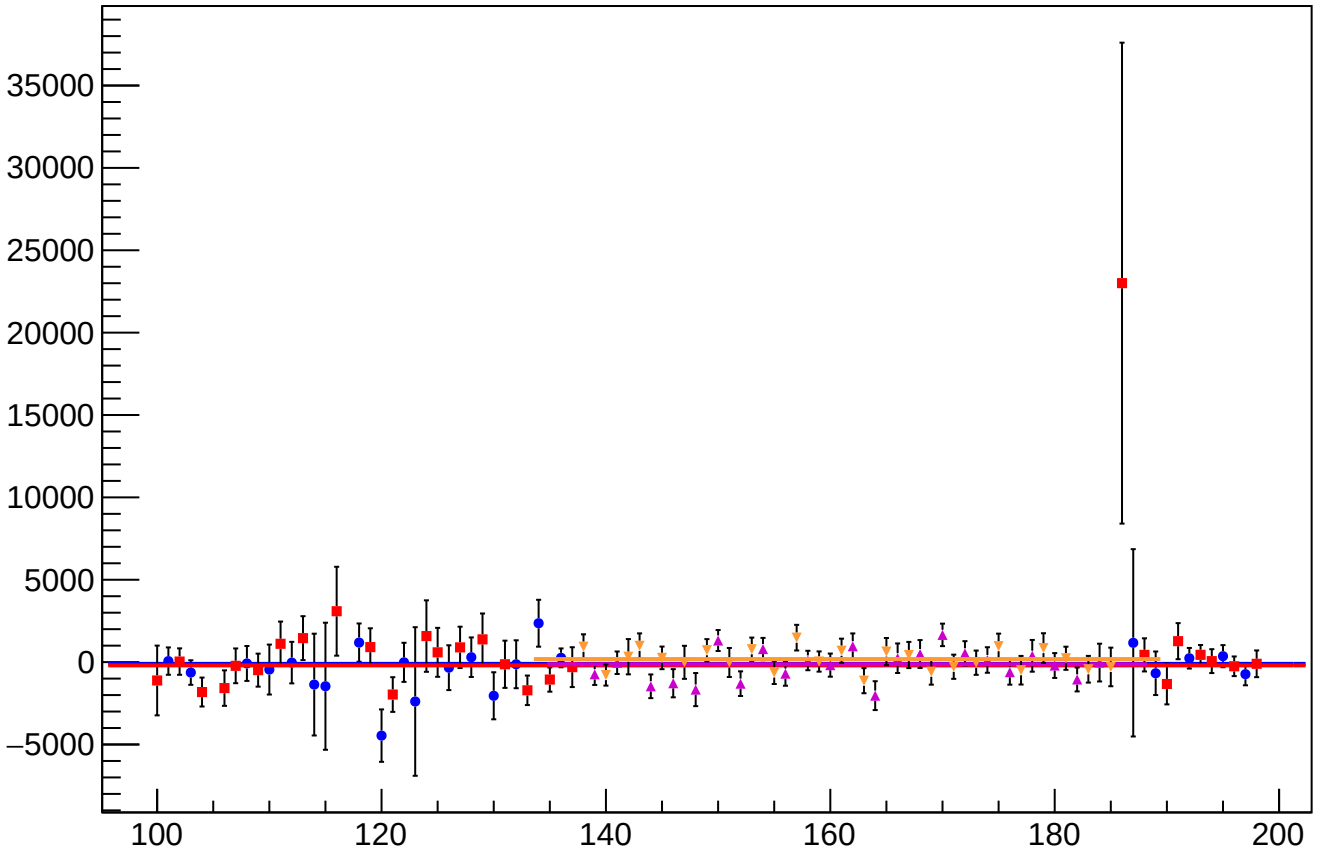
Left: 109.189+/-0.013 χ^2/NDF: 582969.0/47

Right: 91.087+/-0.014 χ^2/NDF: 705057.5/48

In: 101.695+/-0.014 χ^2/NDF:847279.4/44

Out: 99.986+/-0.013 χ^2/NDF:1343507.2/51

All: 100.778+/-0.009 χ^2/NDF: 2198903.1/96



Right In: -106.826+/-220.346 χ^2/NDF: 17.1/21

Left Out: 185.392+/-153.683 χ^2/NDF:18.4/24

Right Out: -198.295+/-195.152 χ^2/NDF: 27.0/26

Left In: -128.782+/-157.155 χ^2/NDF:36.2/22

Left: 31.814+/-109.877 χ^2/NDF: 56.6/47

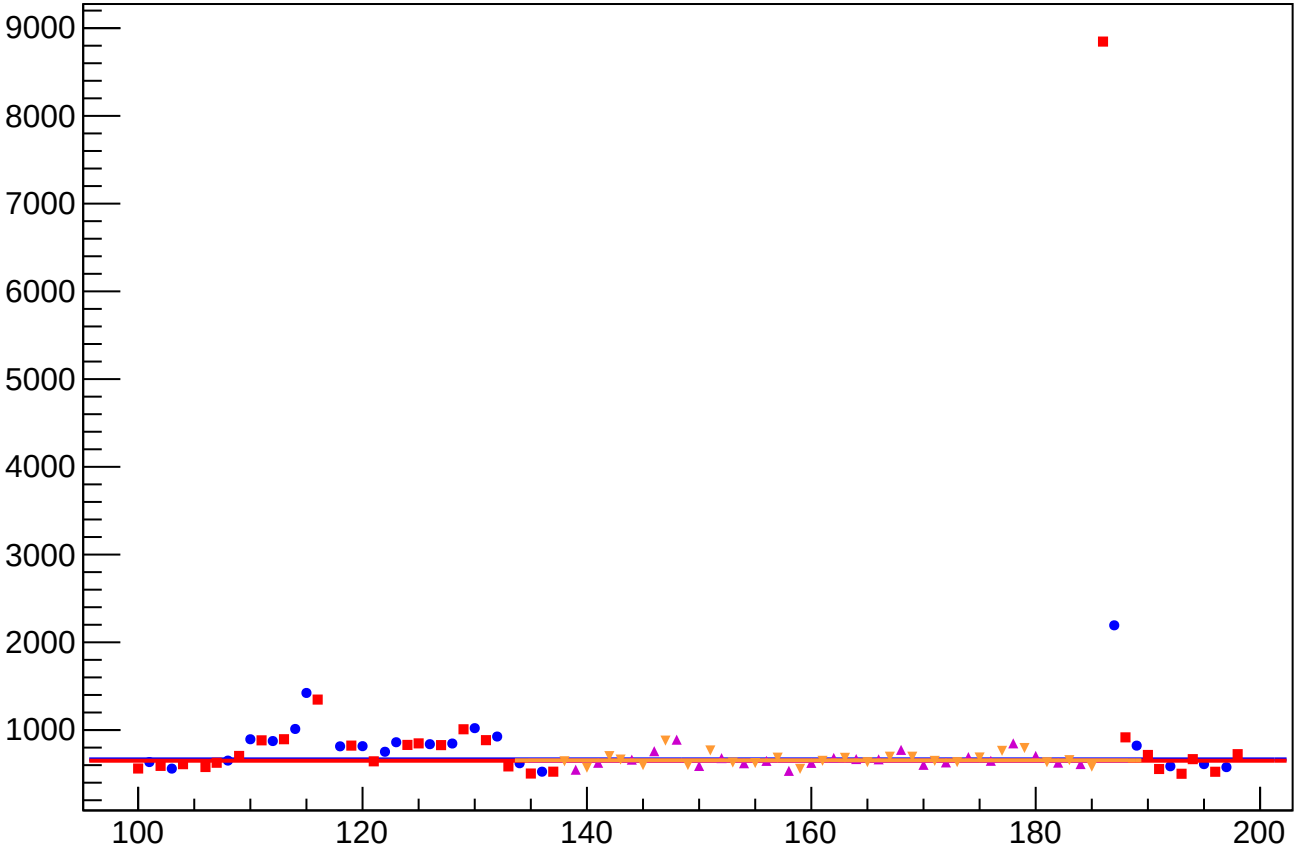
Right: -158.086+/-146.092 χ^2/NDF: 44.2/48

In: -121.379+/-127.947 χ^2/NDF:53.4/44

Out: 38.525+/-120.739 χ^2/NDF:47.7/51

All: -36.796+/-87.813 χ^2/NDF: 101.9/96

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 665.812+/-0.156 χ^2/NDF: 951062.9/21

Left Out: 655.155+/-0.109 χ^2/NDF:367349.8/24

Right Out: 650.505+/-0.138 χ^2/NDF: 1720946.5/26

Left In: 650.883+/-0.111 χ^2/NDF:466116.8/22

Left: 653.067+/-0.078 χ^2/NDF: 834222.1/47

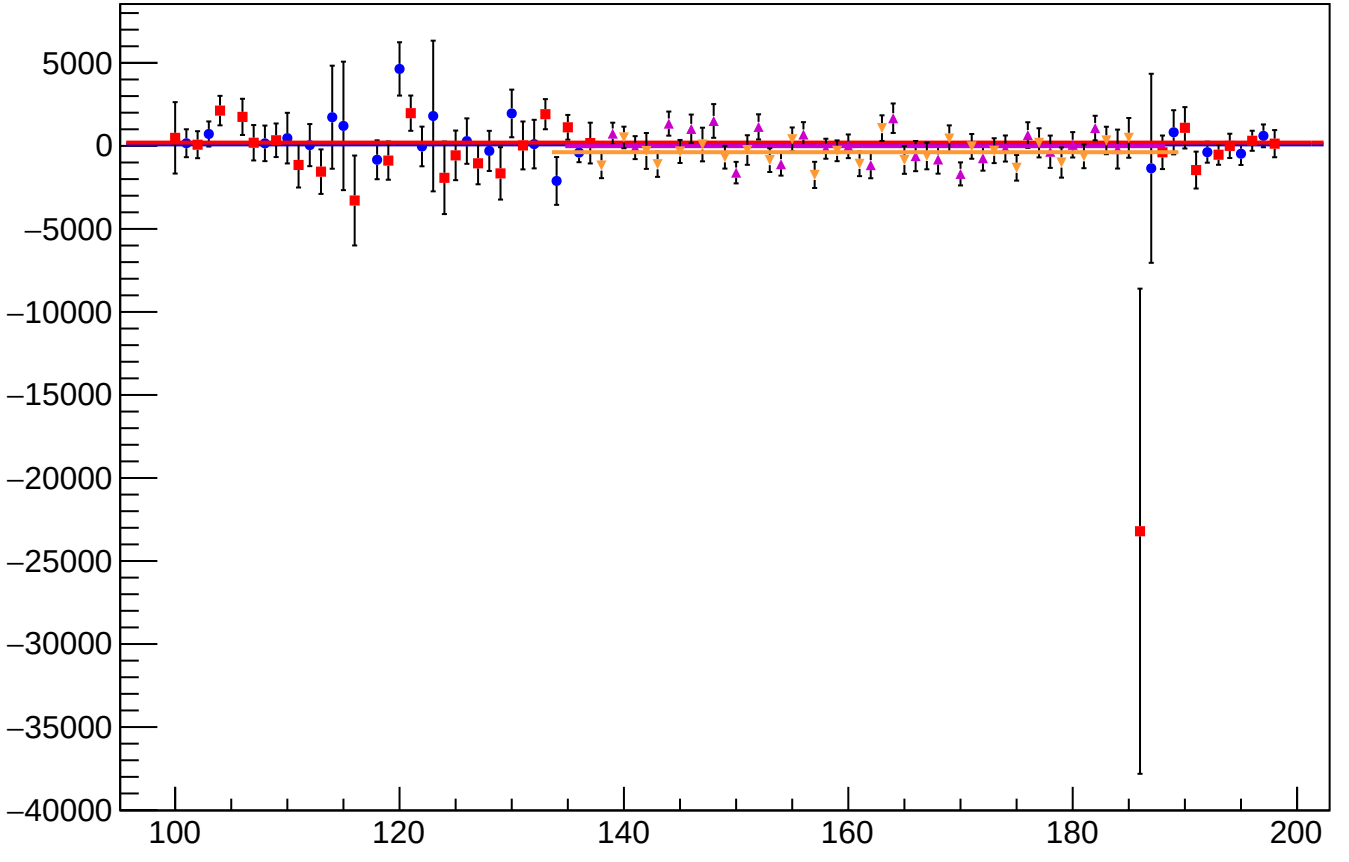
Right: 657.234+/-0.103 χ^2/NDF: 2677418.8/48

In: 655.917+/-0.090 χ^2/NDF:1423265.2/44

Out: 653.375+/-0.085 χ^2/NDF:2088997.3/51

All: 654.572+/-0.062 χ^2/NDF: 3512680.1/96

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 90.427+/-222.649 χ^2/NDF: 17.0/21

Left Out: -379.470+/-155.892 χ^2/NDF:18.8/24

Right Out: 200.104+/-197.348 χ^2/NDF: 30.7/26

Left In: -14.768+/-159.513 χ^2/NDF:37.2/22

Left: -201.306+/-111.491 χ^2/NDF: 58.7/47

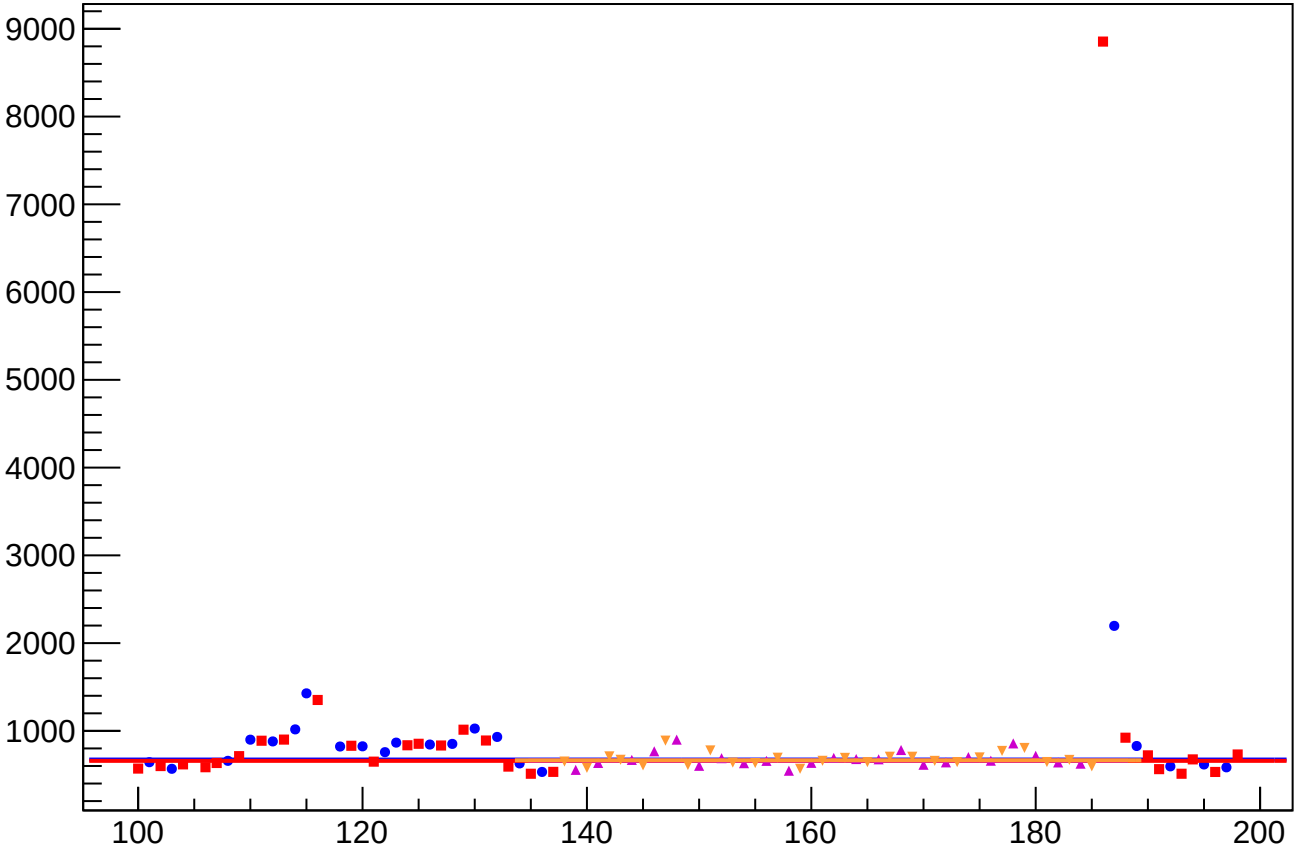
Right: 151.849+/-147.685 χ^2/NDF: 47.8/48

In: 20.912+/-129.669 χ^2/NDF:54.3/44

Out: -156.777+/-122.330 χ^2/NDF:54.8/51

All: -73.104+/-88.982 χ^2/NDF: 110.1/96

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 673.302+/-0.157 χ^2/NDF: 929476.1/21

Left Out: 664.773+/-0.110 χ^2/NDF:357053.8/24

Right Out: 658.500+/-0.140 χ^2/NDF: 1686528.6/26

Left In: 660.890+/-0.113 χ^2/NDF:449180.0/22

Left: 662.876+/-0.079 χ^2/NDF: 806839.8/47

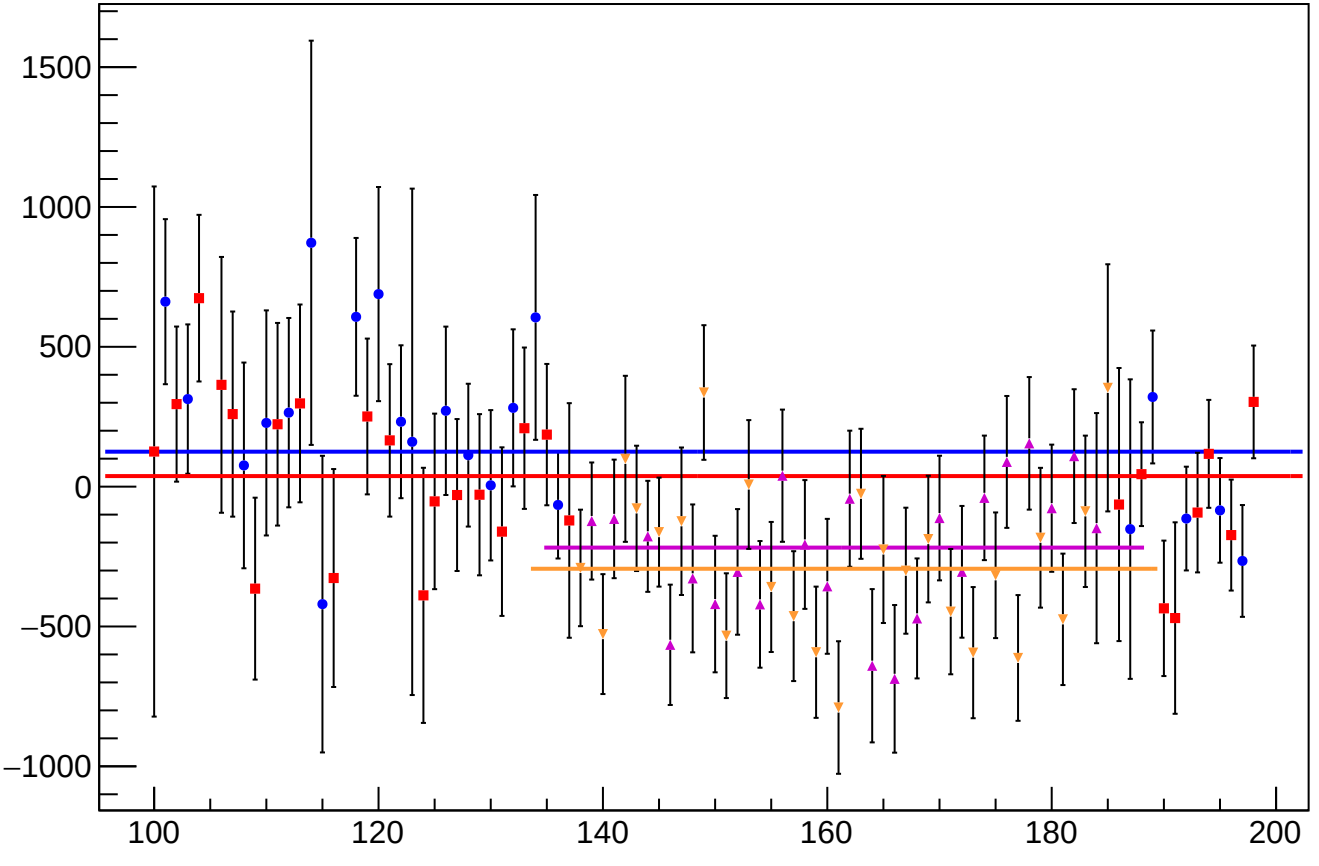
Right: 665.012+/-0.104 χ^2/NDF: 2620954.8/48

In: 665.100+/-0.092 χ^2/NDF:1382762.9/44

Out: 662.362+/-0.087 χ^2/NDF:2044826.5/51

All: 663.652+/-0.063 χ^2/NDF: 3428061.2/96

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 125.007+/-60.137 χ^2/NDF: 22.0/21

Left Out: -293.590+/-47.203 χ^2/NDF:30.3/24

Right Out: 37.769+/-54.385 χ^2/NDF: 22.1/26

Left In: -217.964+/-48.819 χ^2/NDF:21.3/22

Left: -257.050+/-33.934 χ^2/NDF: 52.9/47

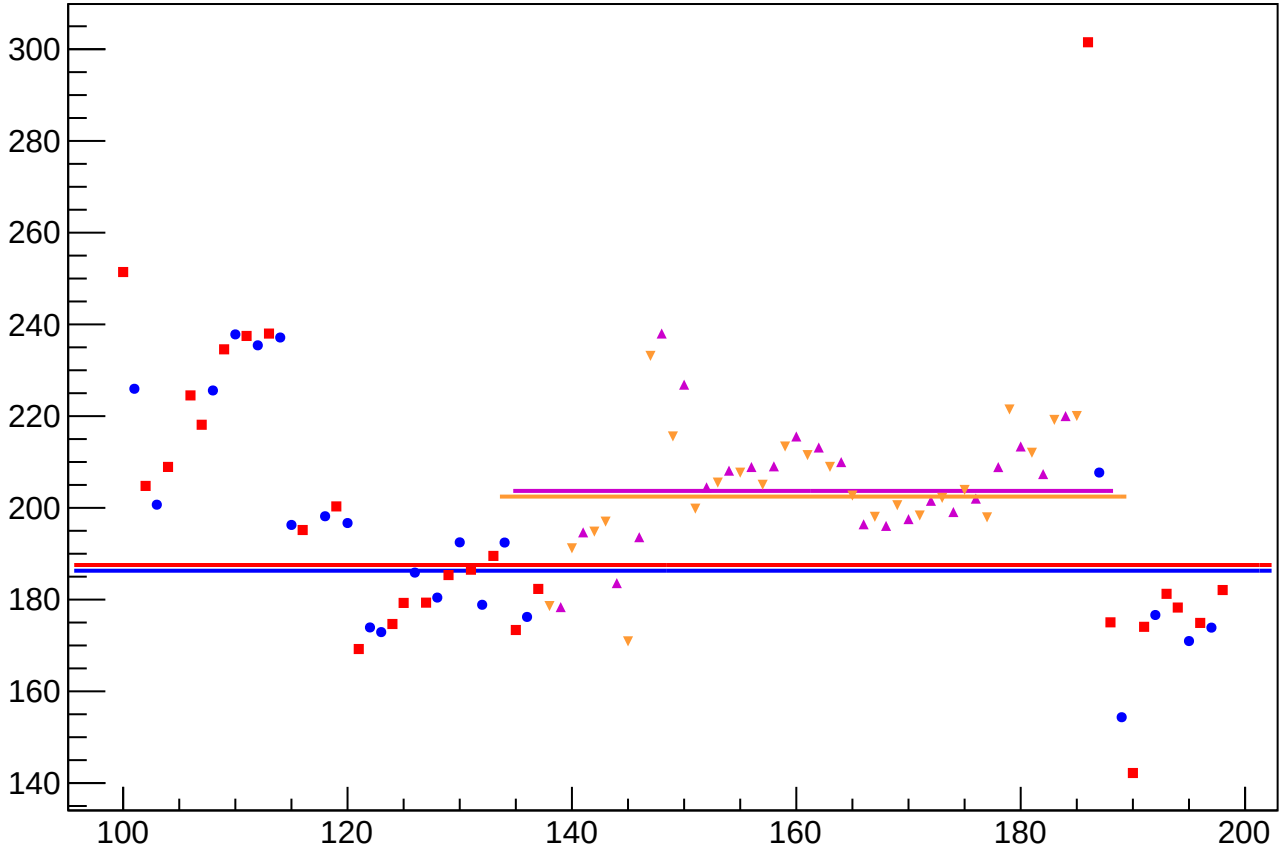
Right: 77.018+/-40.336 χ^2/NDF: 45.3/48

In: -81.724+/-37.902 χ^2/NDF:63.0/44

Out: -151.220+/-35.648 χ^2/NDF:73.6/51

All: -118.600+/-25.967 χ^2/NDF: 138.4/96

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.297+/-0.043 χ^2/NDF: 235232.9/21

Left Out: 202.459+/-0.033 χ^2/NDF:158582.3/24

Right Out: 187.542+/-0.038 χ^2/NDF: 407482.6/26

Left In: 203.699+/-0.035 χ^2/NDF:136193.4/22

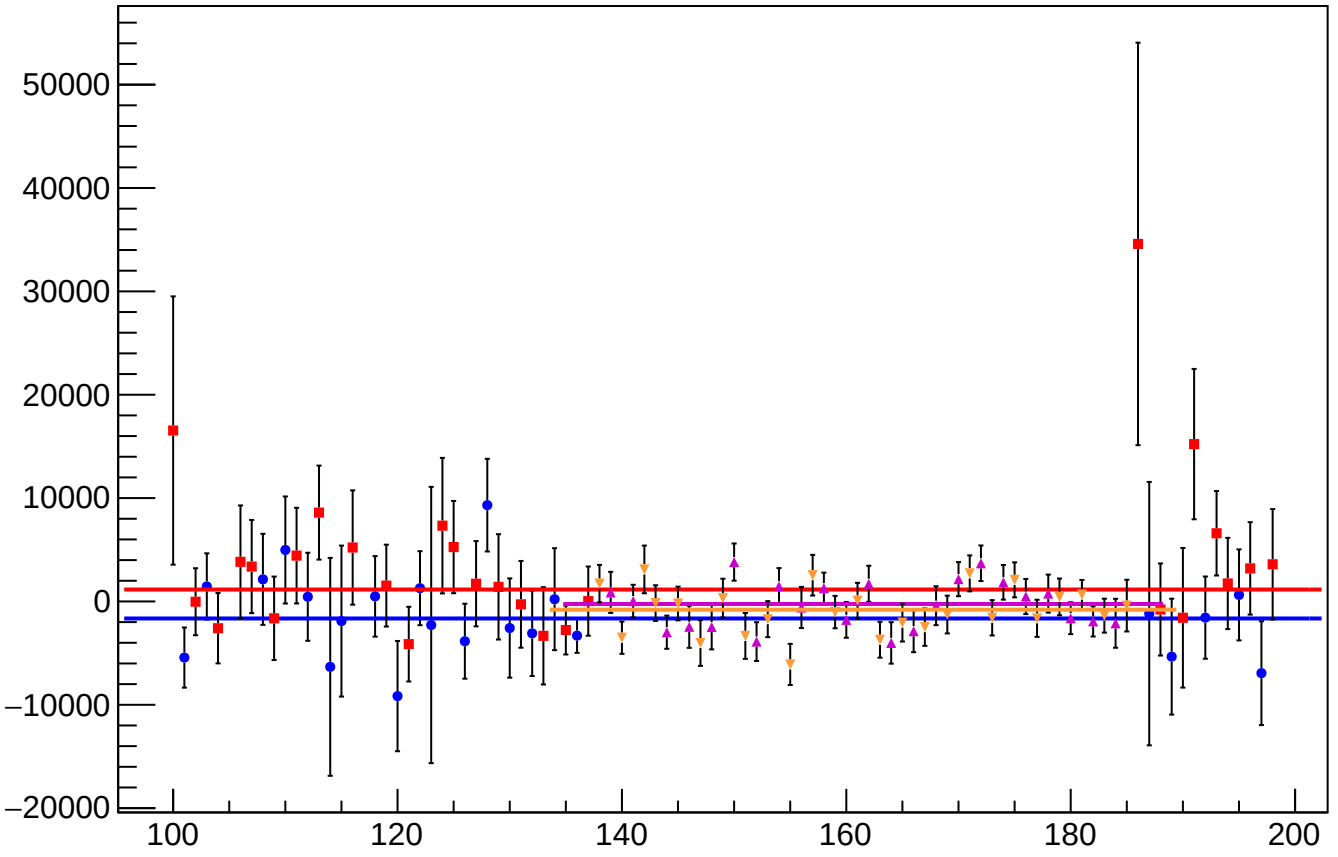
Left: 203.058+/-0.024 χ^2/NDF: 295442.7/47

Right: 186.982+/-0.029 χ^2/NDF: 643187.0/48

In: 196.786+/-0.027 χ^2/NDF:472368.0/44

Out: 196.050+/-0.025 χ^2/NDF:651875.0/51

All: 196.395+/-0.018 χ^2/NDF: 1124643.8/96



Right In: -1648.266+/-847.207 χ^2/NDF: 17.9/21

Left Out: -796.528+/-357.851 χ^2/NDF:35.7/24

Right Out: 1153.294+/-836.155 χ^2/NDF: 24.5/26

Left In: -245.102+/-369.846 χ^2/NDF:35.7/22

Left: -529.902+/-257.175 χ^2/NDF: 72.6/47

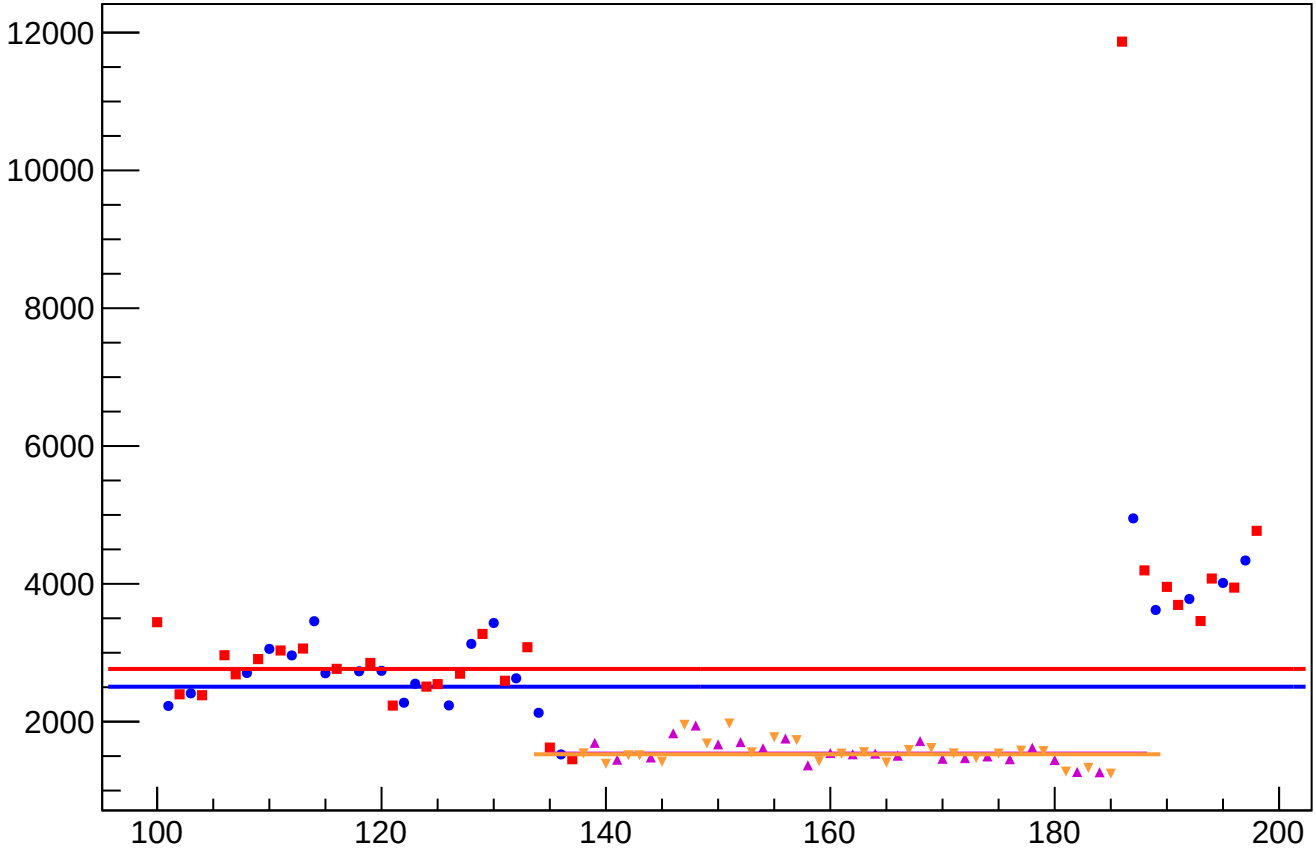
Right: -229.094+/-595.120 χ^2/NDF: 47.9/48

In: -469.705+/-338.956 χ^2/NDF:55.9/44

Out: -494.684+/-328.988 χ^2/NDF:64.8/51

All: -482.567+/-236.075 χ^2/NDF: 120.7/96

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2507.157+/-0.599 χ^2/NDF: 1795939.3/21

Left Out: 1526.712+/-0.253 χ^2/NDF:394892.7/24

Right Out: 2764.941+/-0.591 χ^2/NDF: 2328019.2/26

Left In: 1536.538+/-0.262 χ^2/NDF:350373.3/22

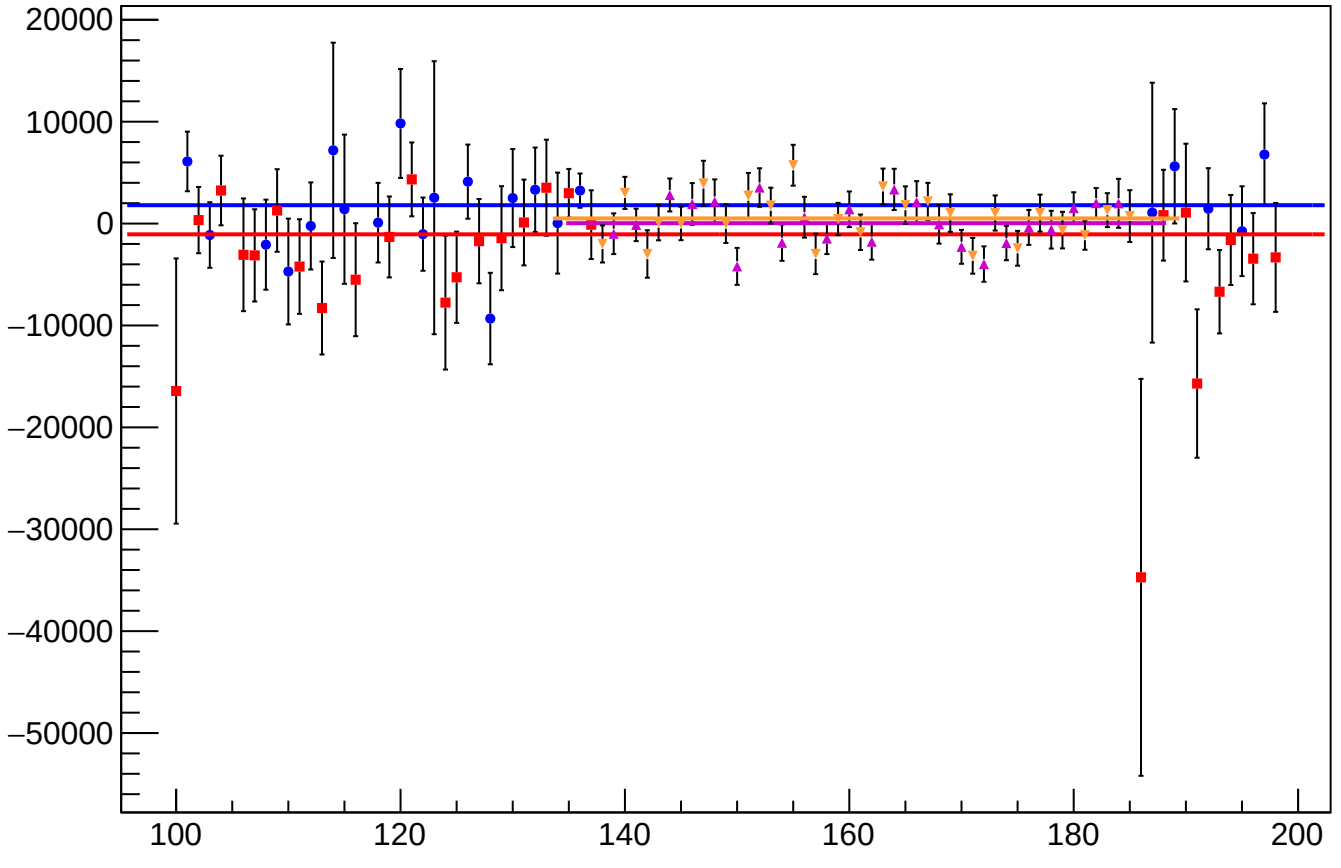
Left: 1531.463+/-0.182 χ^2/NDF: 745995.2/47

Right: 2637.741+/-0.421 χ^2/NDF: 4217758.0/48

In: 1691.904+/-0.240 χ^2/NDF:4351229.7/44

Out: 1718.397+/-0.233 χ^2/NDF:6429847.8/51

All: 1705.545+/-0.167 χ^2/NDF: 10787368.8/9



Right In: 1803.118+/-850.545 χ^2/NDF: 18.2/21

Left Out: 507.982+/-361.172 χ^2/NDF:35.4/24

Right Out: -1054.729+/-839.048 χ^2/NDF: 25.3/26

Left In: 40.080+/-373.261 χ^2/NDF:33.6/22

Left: 281.730+/-259.556 χ^2/NDF: 69.8/47

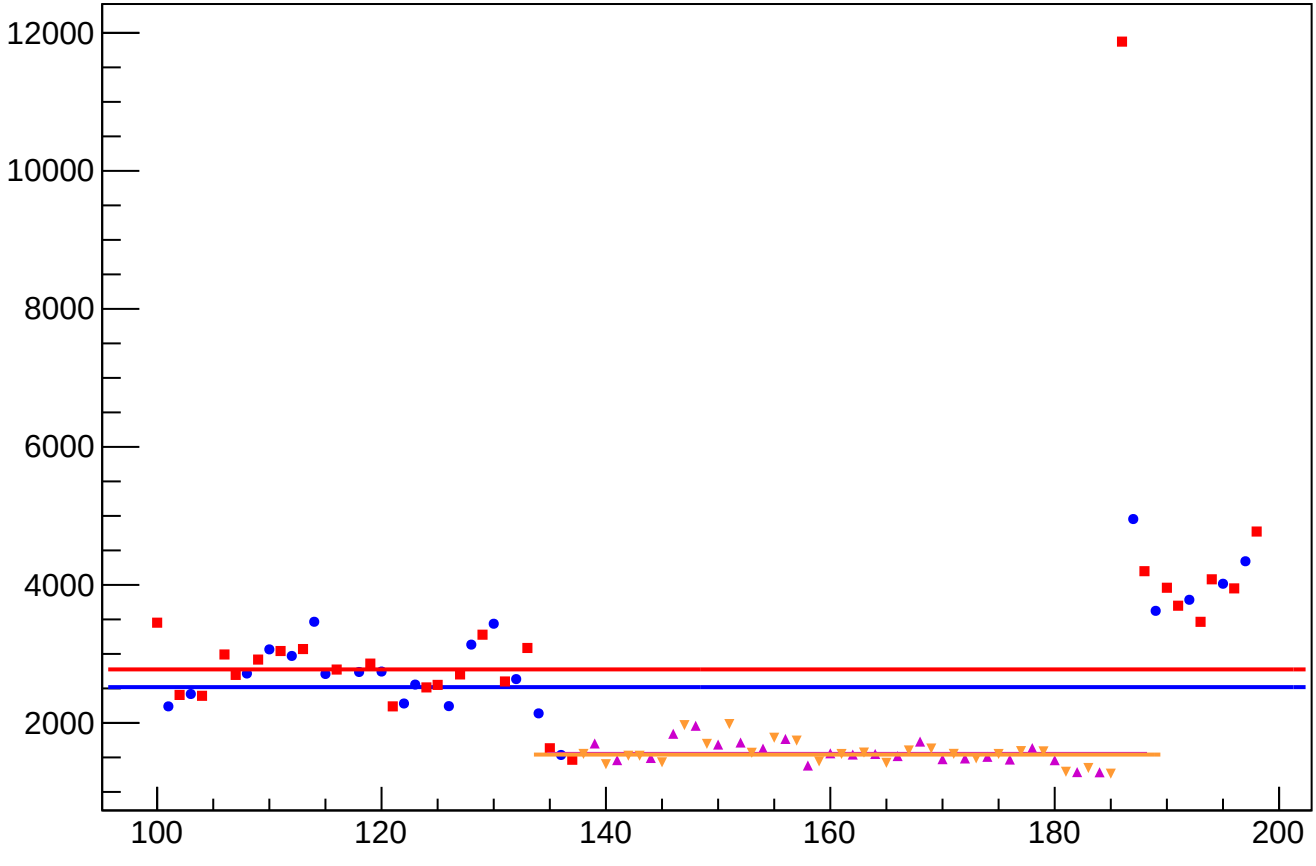
Right: 354.749+/-597.320 χ^2/NDF: 49.2/48

In: 324.789+/-341.796 χ^2/NDF:55.4/44

Out: 263.690+/-331.743 χ^2/NDF:63.6/51

All: 293.328+/-238.053 χ^2/NDF: 119.0/96

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2518.768+/-0.601 χ^2/NDF: 1773236.2/21

Left Out: 1541.258+/-0.255 χ^2/NDF:382045.4/24

Right Out: 2775.556+/-0.593 χ^2/NDF: 2306698.4/26

Left In: 1551.063+/-0.264 χ^2/NDF:338898.9/22

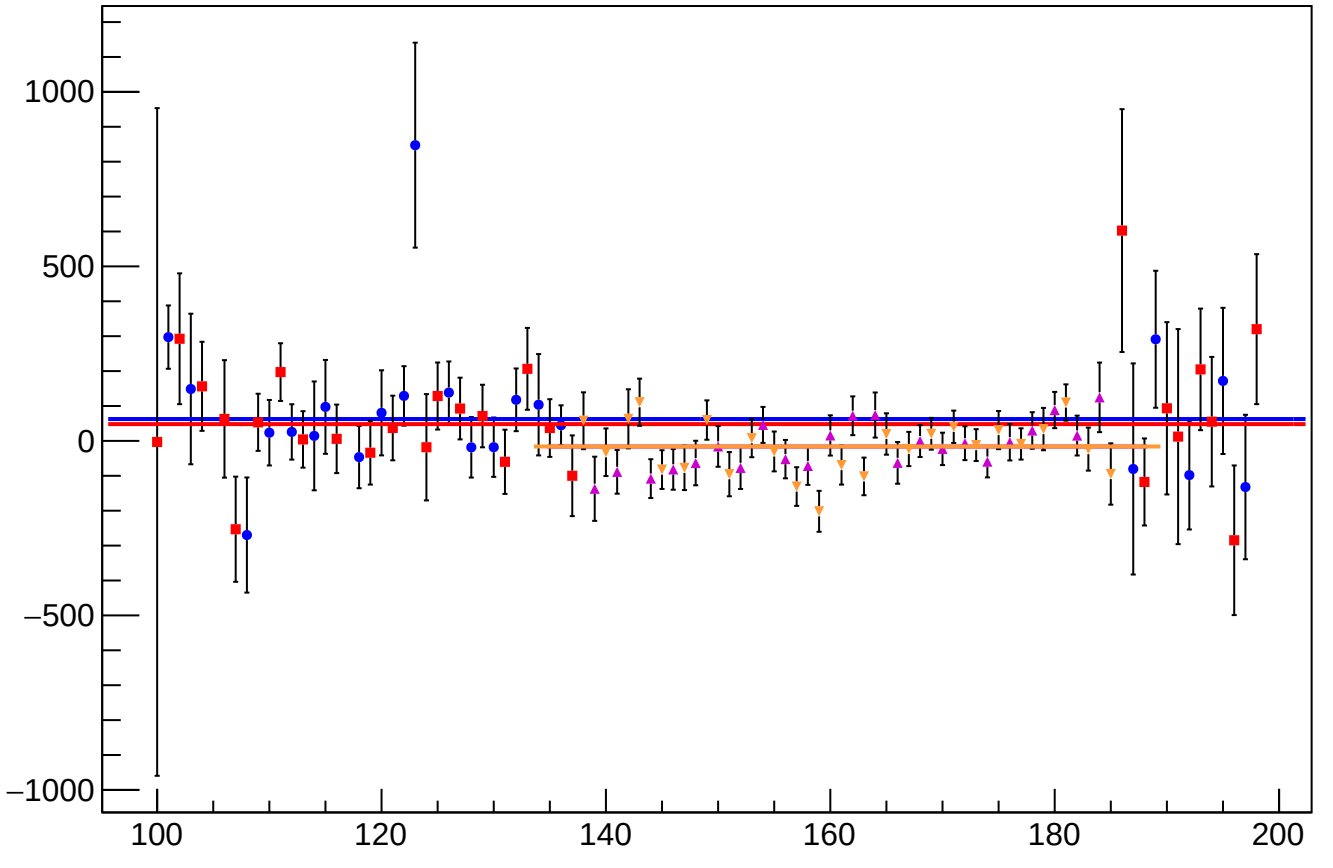
Left: 1546.000+/-0.184 χ^2/NDF: 721657.1/47

Right: 2648.910+/-0.422 χ^2/NDF: 4172325.0/48

In: 1707.336+/-0.242 χ^2/NDF:4282986.3/44

Out: 1734.211+/-0.235 χ^2/NDF:6340241.7/51

All: 1721.174+/-0.168 χ^2/NDF: 10629595.0/9



Right In: 62.647+/-22.999 χ^2/NDF: 27.6/21

Left Out: -16.049+/-11.340 χ^2/NDF:39.7/24

Right Out: 48.077+/-22.470 χ^2/NDF: 26.2/26

Left In: -16.162+/-11.649 χ^2/NDF:25.2/22

Left: -16.104+/-8.126 χ^2/NDF: 64.9/47

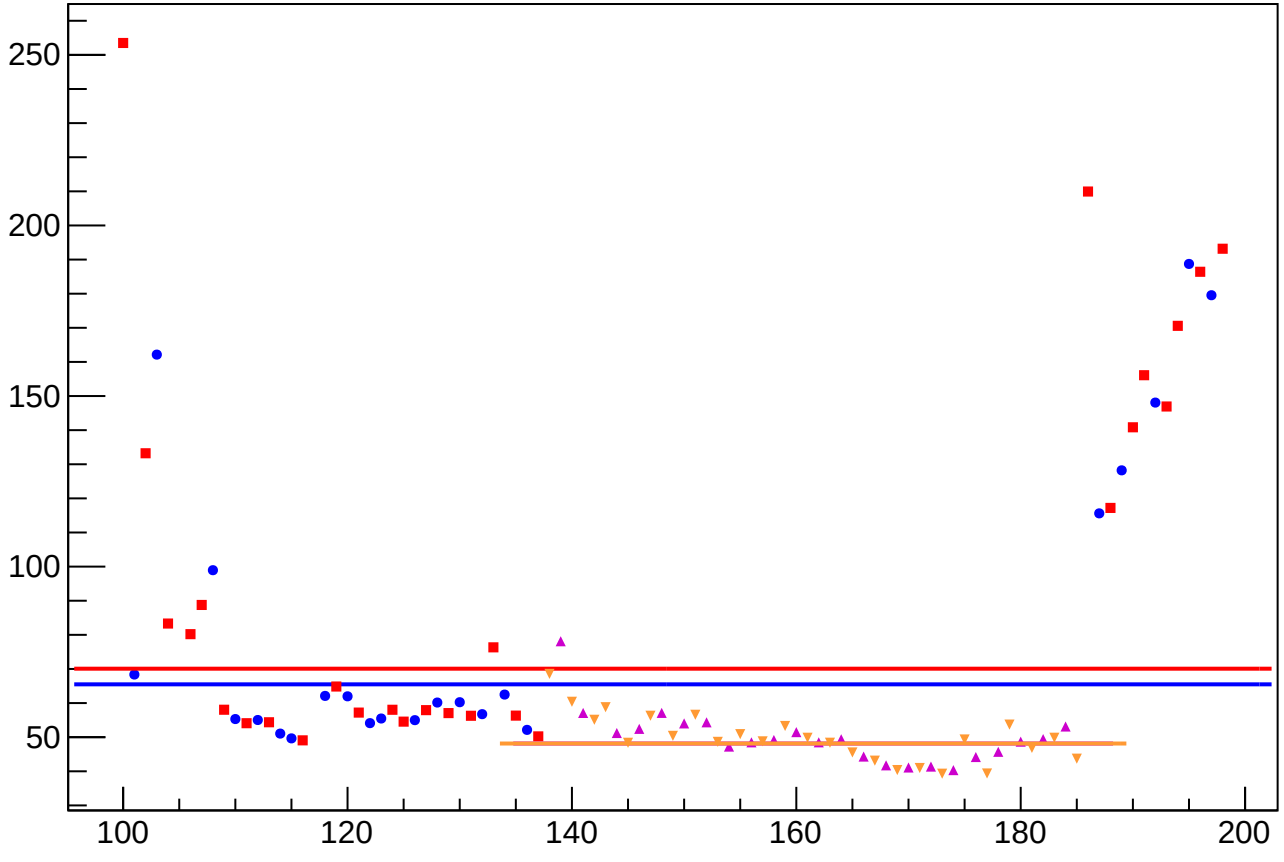
Right: 55.192+/-16.072 χ^2/NDF: 54.0/48

In: -0.070+/-10.392 χ^2/NDF:62.2/44

Out: -3.032+/-10.124 χ^2/NDF:72.4/51

All: -1.590+/-7.252 χ^2/NDF: 134.6/96

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 65.491+/-0.016 χ^2/NDF: 2924353.5/21

Left Out: 48.141+/-0.008 χ^2/NDF:655250.3/24

Right Out: 70.077+/-0.016 χ^2/NDF: 4150673.6/26

Left In: 48.139+/-0.008 χ^2/NDF:575025.5/22

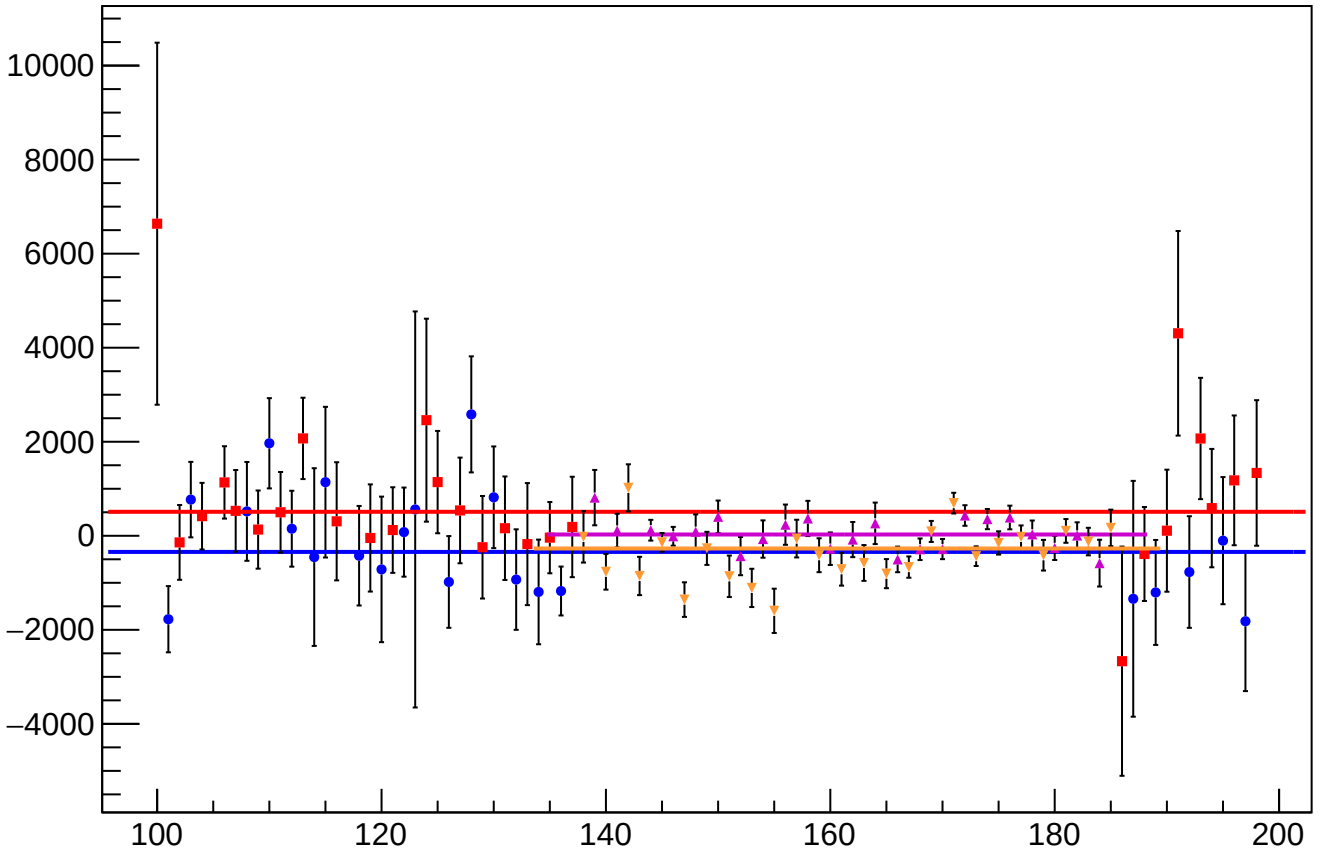
Left: 48.140+/-0.006 χ^2/NDF: 1230275.9/47

Right: 67.838+/-0.011 χ^2/NDF: 7115712.3/48

In: 51.682+/-0.007 χ^2/NDF:4405401.8/44

Out: 52.594+/-0.007 χ^2/NDF:6325152.4/51

All: 52.150+/-0.005 χ^2/NDF: 10738448.2/96



Right In: -343.201+/-218.938 χ^2/NDF: 26.6/21

Left Out: -270.214+/-60.177 χ^2/NDF:70.1/24

Right Out: 510.021+/-202.885 χ^2/NDF: 18.0/26

Left In: 27.271+/-60.430 χ^2/NDF:25.1/22

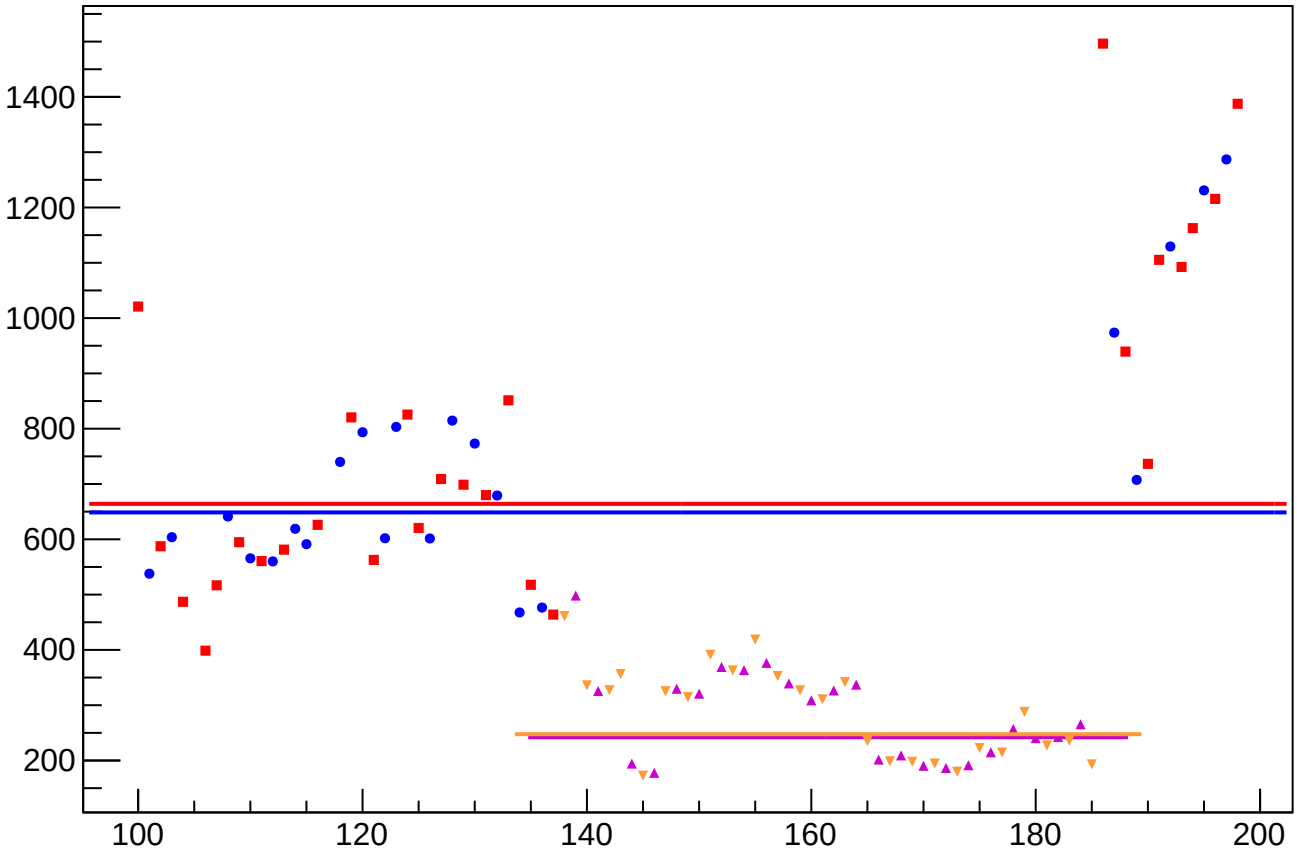
Left: -122.095+/-42.641 χ^2/NDF: 107.3/47

Right: 115.834+/-148.813 χ^2/NDF: 52.8/48

In: 1.045+/-58.252 χ^2/NDF:54.3/44

Out: -207.122+/-57.693 χ^2/NDF:101.7/51

All: -104.042+/-40.991 χ^2/NDF: 162.5/96



Right In: 648.609+/-0.155 χ^2/NDF: 1586479.3/21

Left Out: 247.570+/-0.043 χ^2/NDF:2780931.0/24

Right Out: 664.093+/-0.143 χ^2/NDF: 2552573.8/26

Left In: 242.117+/-0.043 χ^2/NDF:2466108.9/22

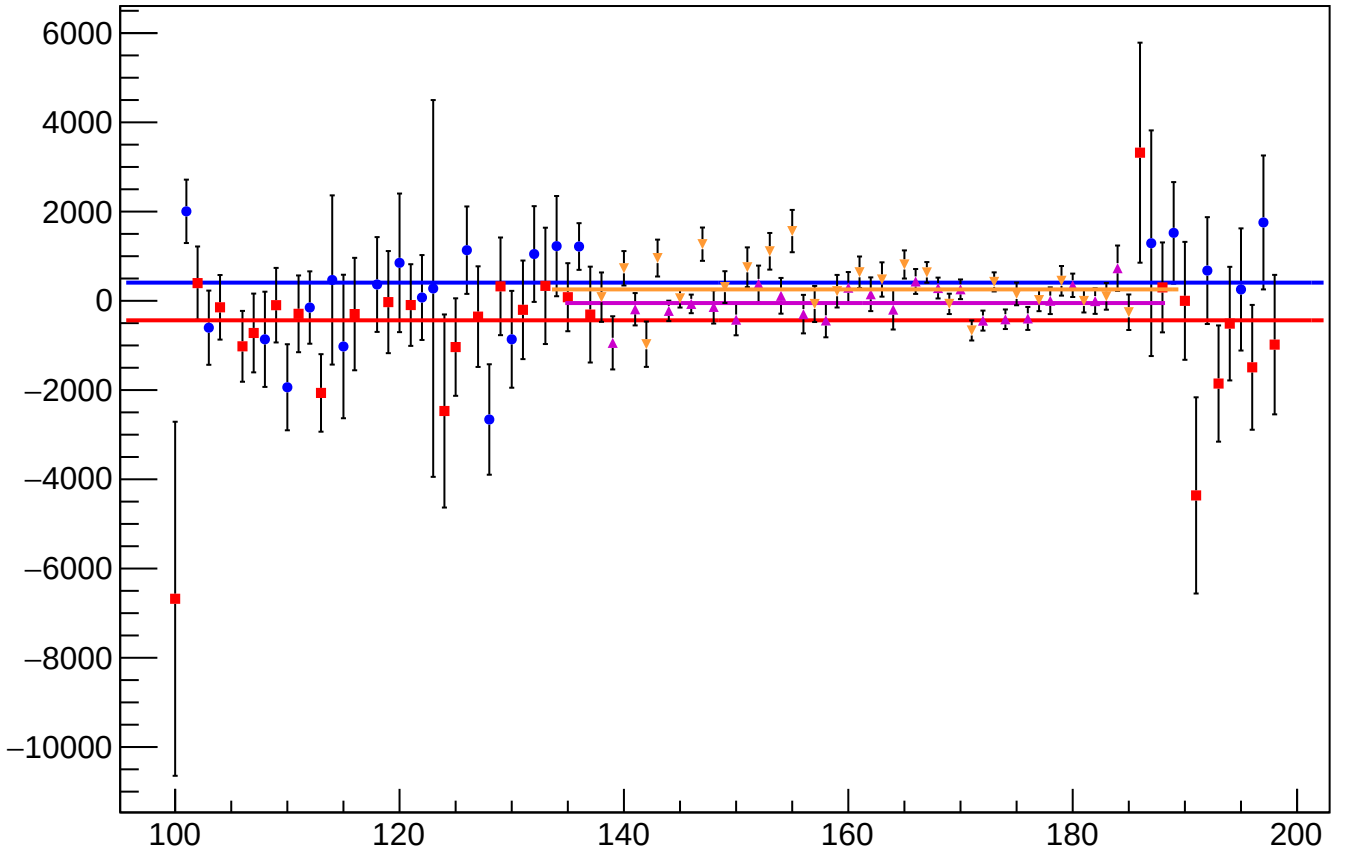
Left: 244.855+/-0.030 χ^2/NDF: 5255218.1/47

Right: 656.940+/-0.105 χ^2/NDF: 4144435.2/48

In: 270.893+/-0.041 χ^2/NDF:10458849.6/44

Out: 281.251+/-0.041 χ^2/NDF:13081487.4/51

All: 276.122+/-0.029 χ^2/NDF: 23572263.7/96



Right In: 407.700+/-220.915 χ^2/NDF: 28.6/21

Left Out: 255.995+/-61.418 χ^2/NDF:63.6/24

Right Out: -436.924+/-205.209 χ^2/NDF: 18.9/26

Left In: -49.832+/-61.781 χ^2/NDF:27.5/22

Left: 103.982+/-43.557 χ^2/NDF: 103.4/47

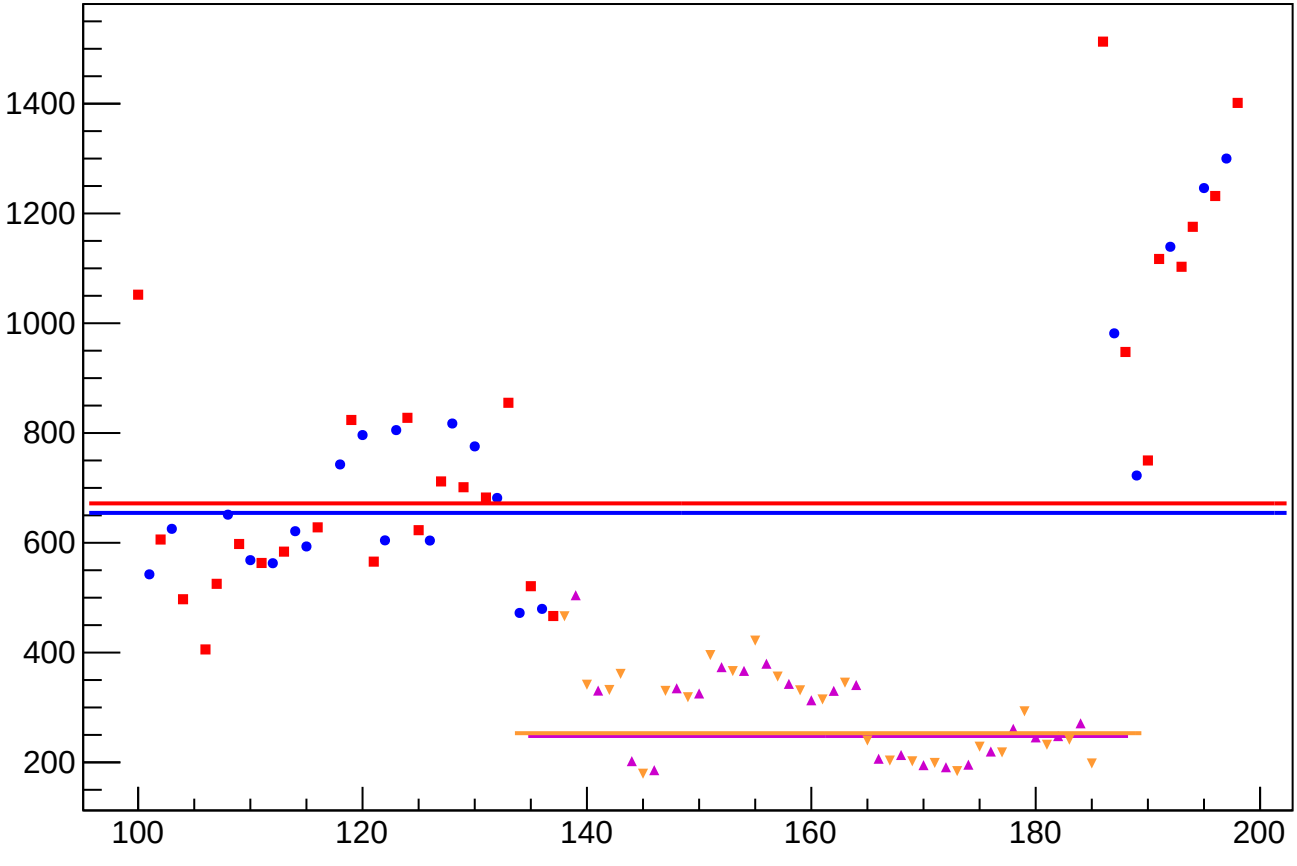
Right: -45.699+/-150.351 χ^2/NDF: 55.4/48

In: -16.644+/-59.498 χ^2/NDF:60.1/44

Out: 199.028+/-58.840 χ^2/NDF:92.9/51

All: 92.392+/-41.837 χ^2/NDF: 159.7/96

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 654.472+/-0.156 χ^2/NDF: 1590204.5/21

Left Out: 253.137+/-0.043 χ^2/NDF:2665975.8/24

Right Out: 671.798+/-0.145 χ^2/NDF: 2529755.2/26

Left In: 248.069+/-0.044 χ^2/NDF:2343295.0/22

Left: 250.618+/-0.031 χ^2/NDF: 5016040.5/47

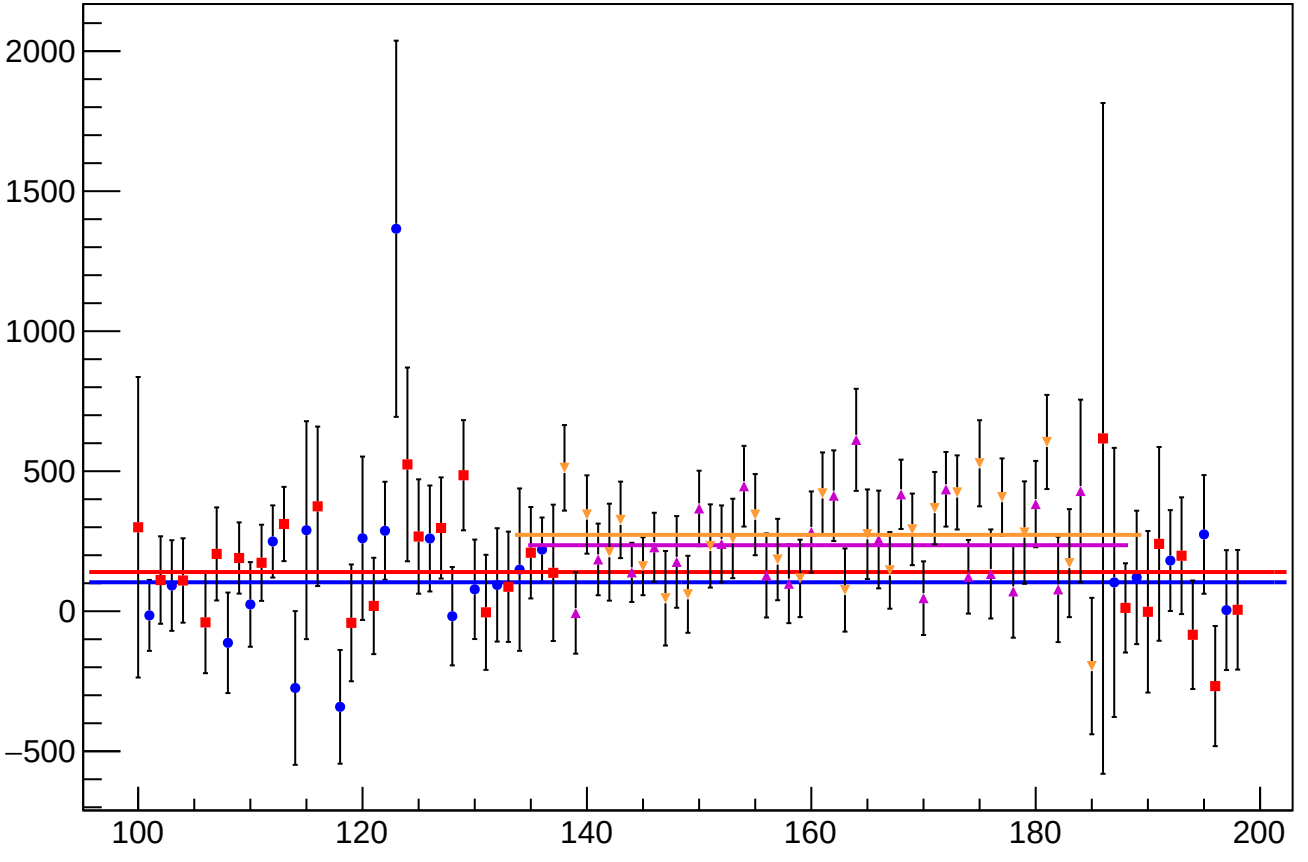
Right: 663.773+/-0.106 χ^2/NDF: 4126564.0/48

In: 277.548+/-0.042 χ^2/NDF:10211072.8/44

Out: 287.557+/-0.042 χ^2/NDF:12835904.3/51

All: 282.608+/-0.030 χ^2/NDF: 23075590.2/96

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 103.461+/-39.909 χ^2/NDF: 19.0/21

Left Out: 272.684+/-29.221 χ^2/NDF:27.4/24

Right Out: 139.956+/-36.676 χ^2/NDF: 17.9/26

Left In: 235.801+/-30.232 χ^2/NDF:24.6/22

Left: 254.870+/-21.011 χ^2/NDF: 52.8/47

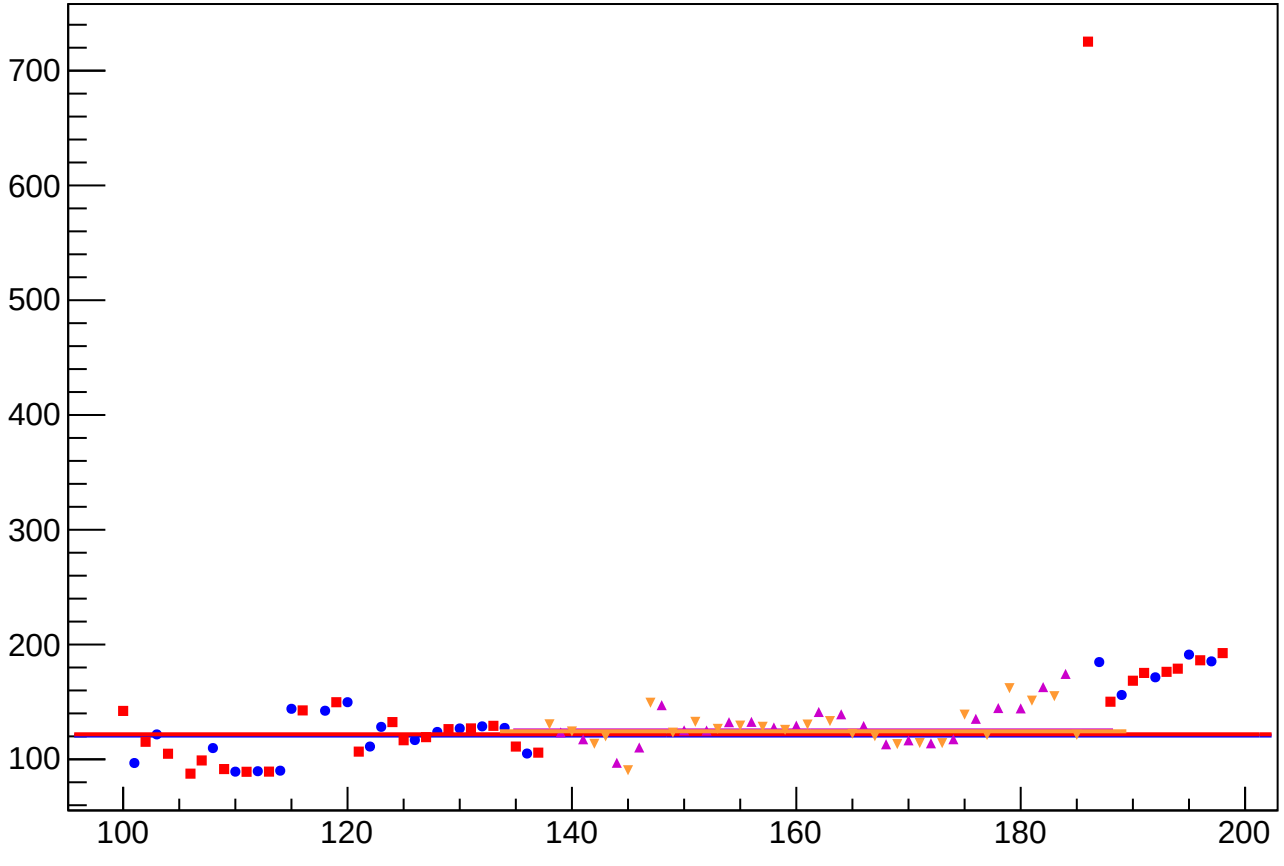
Right: 123.246+/-27.005 χ^2/NDF: 37.4/48

In: 187.549+/-24.098 χ^2/NDF:50.6/44

Out: 221.146+/-22.854 χ^2/NDF:53.3/51

All: 205.237+/-16.583 χ^2/NDF: 105.0/96

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 120.696+/-0.028 χ^2/NDF: 1050176.4/21

Left Out: 124.429+/-0.021 χ^2/NDF:539731.8/24

Right Out: 121.815+/-0.026 χ^2/NDF: 1959710.7/26

Left In: 125.205+/-0.021 χ^2/NDF:501388.2/22

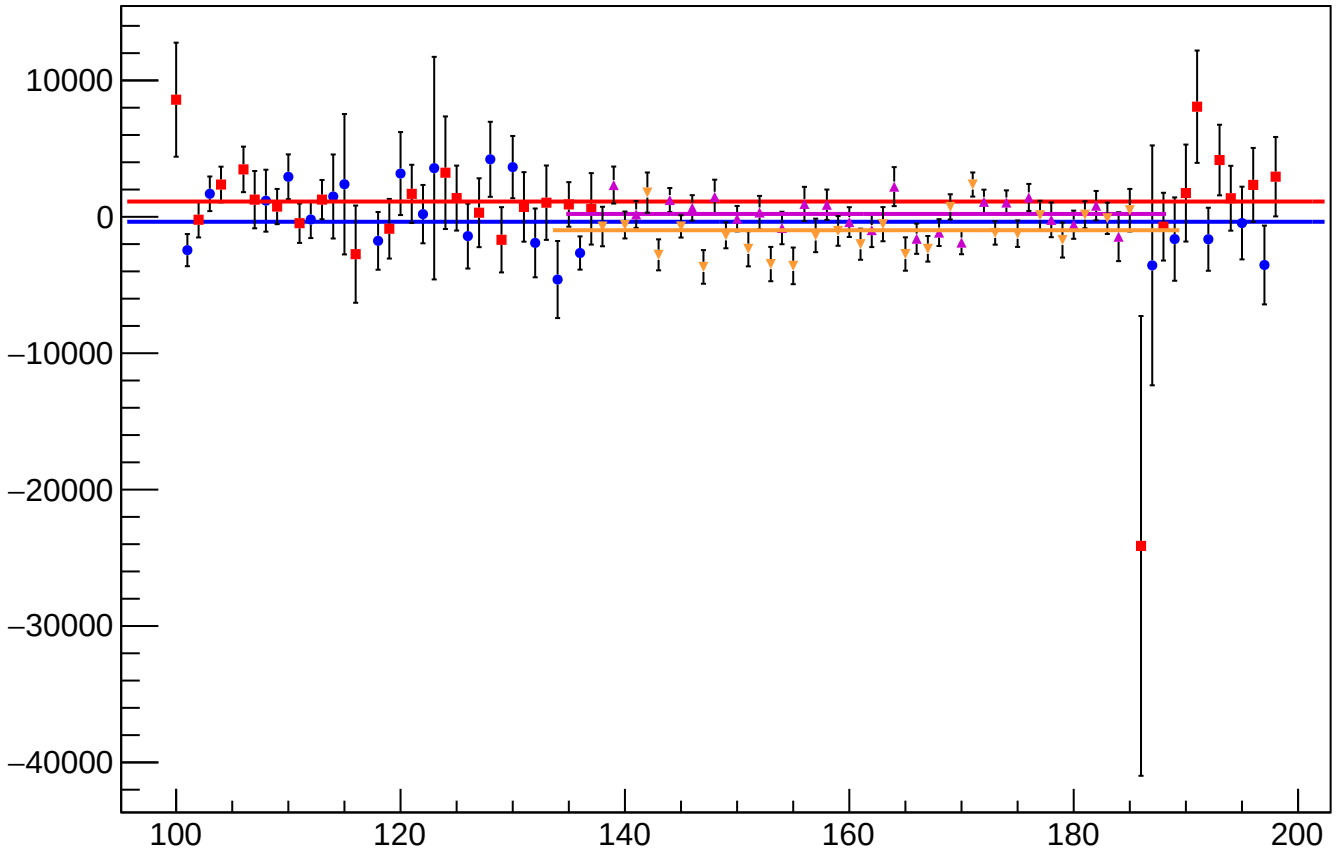
Left: 124.804+/-0.015 χ^2/NDF: 1041801.9/47

Right: 121.303+/-0.019 χ^2/NDF: 3010738.3/48

In: 123.561+/-0.017 χ^2/NDF:1567783.5/44

Out: 123.414+/-0.016 χ^2/NDF:2505657.6/51

All: 123.484+/-0.012 χ^2/NDF: 4073480.5/96



Right In: -362.510+/-439.468 χ^2/NDF: 27.0/21

Left Out: -982.839+/-218.021 χ^2/NDF:47.2/24

Right Out: 1120.288+/-403.275 χ^2/NDF: 20.0/26

Left In: 211.420+/-223.296 χ^2/NDF:25.7/22

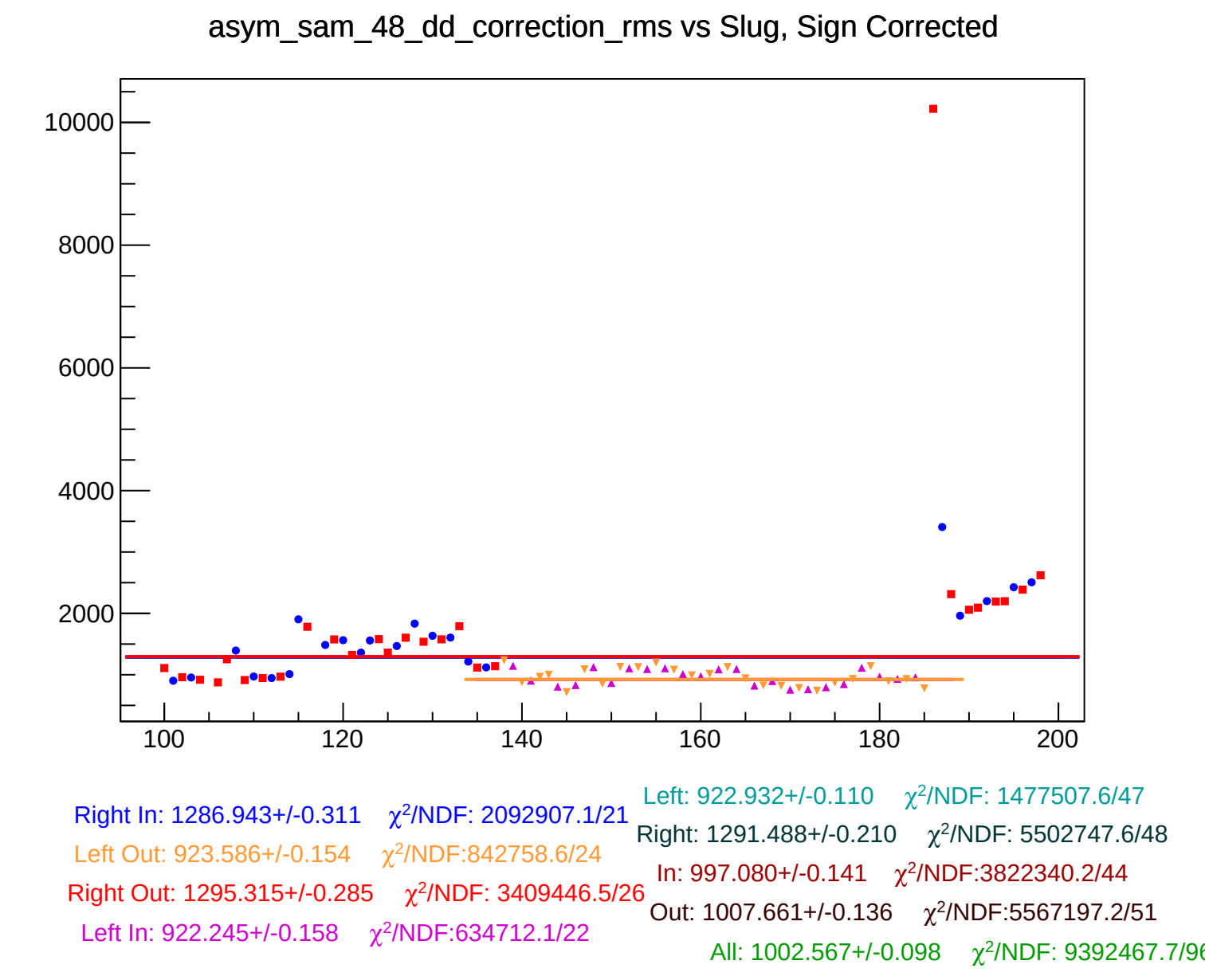
Left: -399.983+/-155.996 χ^2/NDF: 87.5/47

Right: 442.452+/-297.131 χ^2/NDF: 53.2/48

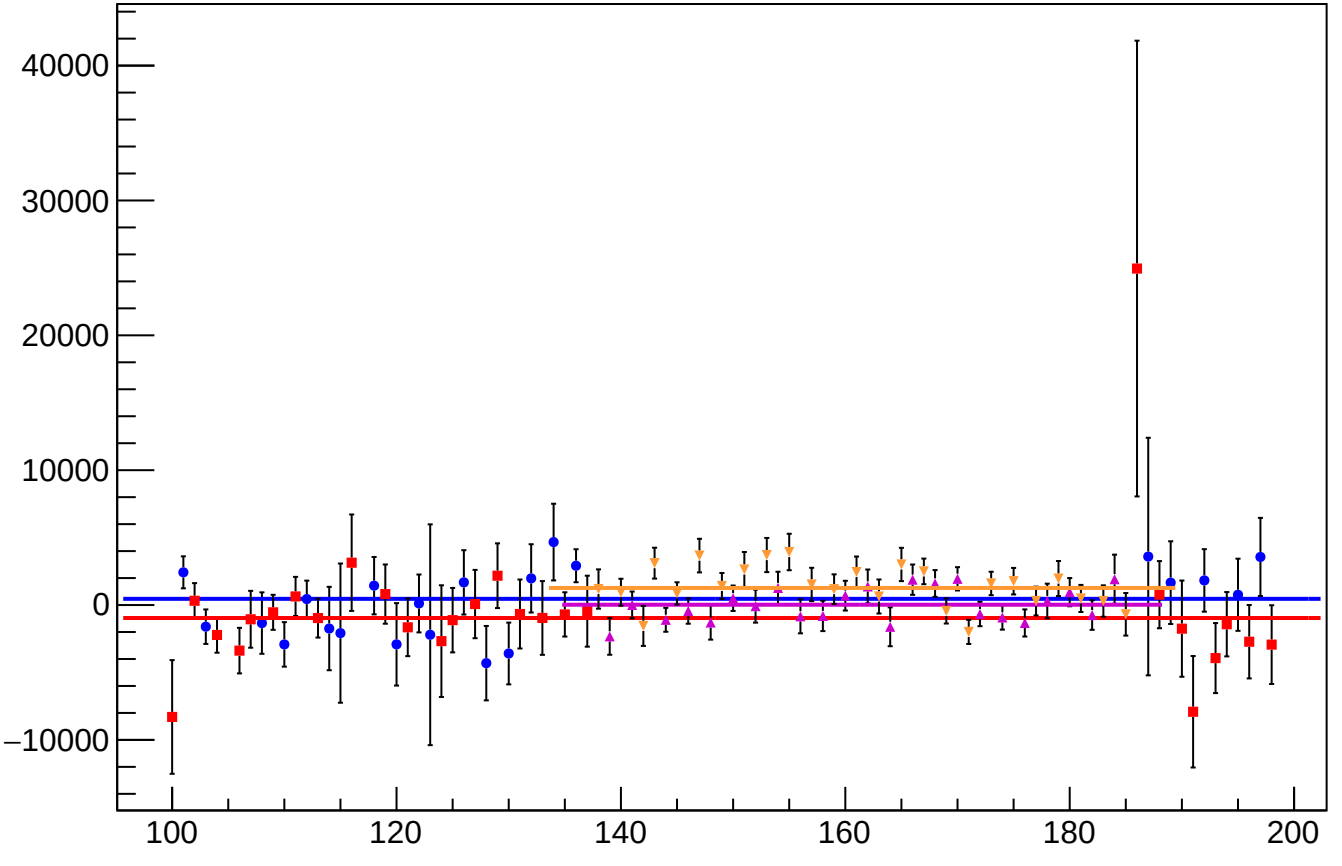
In: 93.652+/-199.073 χ^2/NDF:54.0/44

Out: -507.171+/-191.788 χ^2/NDF:88.3/51

All: -217.954+/-138.118 χ^2/NDF: 147.0/96


asym_sam_48_dd_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1286.943+/-0.311 χ²/NDF: 2092907.1/21
Left Out: 923.586+/-0.154 χ²/NDF:842758.6/24
Right Out: 1295.315+/-0.285 χ²/NDF: 3409446.5/26
Left In: 922.245+/-0.158 χ²/NDF:634712.1/22
Left: 922.932+/-0.110 χ²/NDF: 1477507.6/47
Right: 1291.488+/-0.210 χ²/NDF: 5502747.6/48
In: 997.080+/-0.141 χ²/NDF:3822340.2/44
Out: 1007.661+/-0.136 χ²/NDF:5567197.2/51
All: 1002.567+/-0.098 χ²/NDF: 9392467.7/96

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 460.623+/-441.540 χ^2/NDF: 27.2/21

Left Out: 1267.344+/-220.133 χ^2/NDF:44.9/24

Right Out: -961.709+/-405.346 χ^2/NDF: 20.4/26

Left In: 23.478+/-225.490 χ^2/NDF:27.2/22

Left: 660.362+/-157.518 χ^2/NDF: 87.7/47

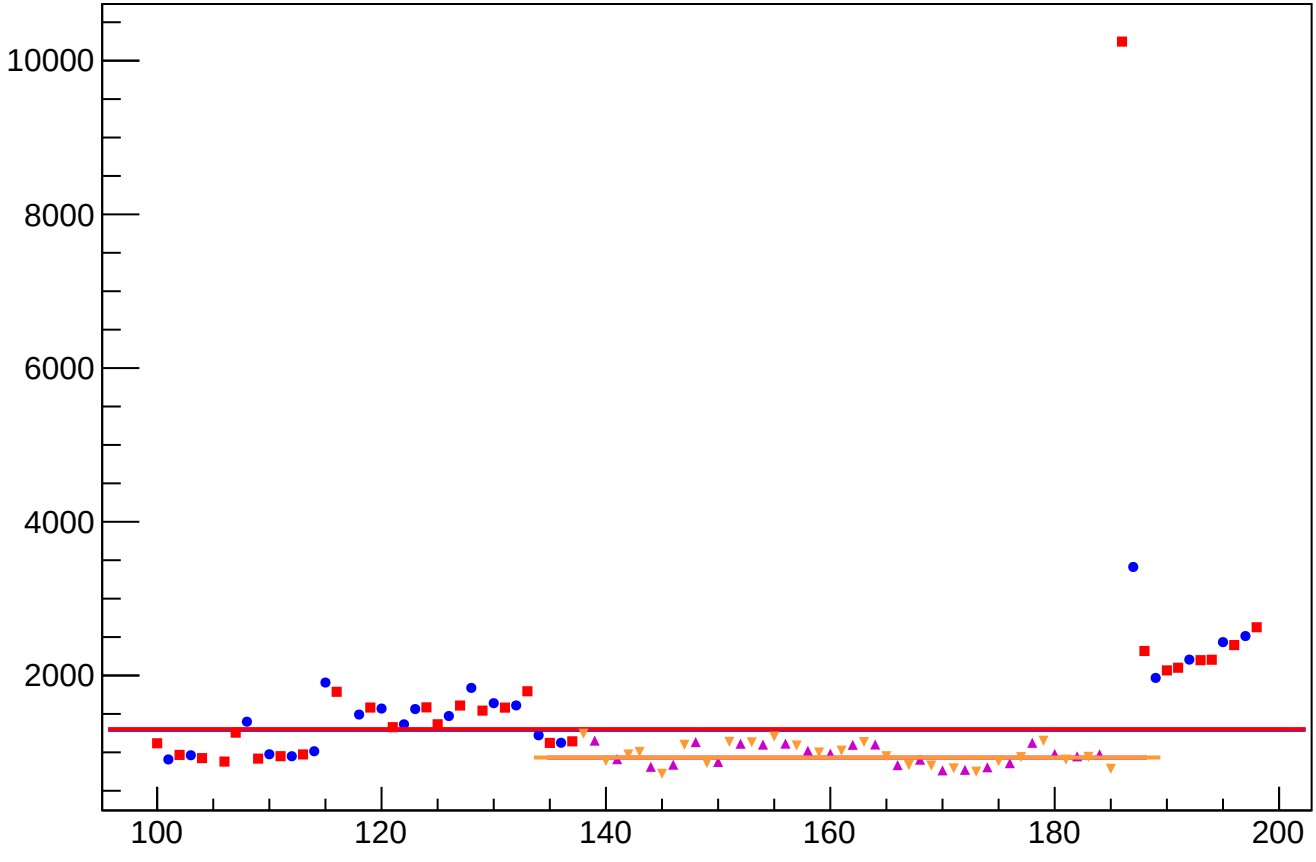
Right: -311.219+/-298.600 χ^2/NDF: 53.3/48

In: 113.903+/-200.819 χ^2/NDF:55.2/44

Out: 759.661+/-193.447 χ^2/NDF:88.7/51

All: 448.851+/-139.321 χ^2/NDF: 149.2/96

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1293.494+/-0.312 χ^2/NDF: 2081326.5/21

Left Out: 932.764+/-0.156 χ^2/NDF:829798.4/24

Right Out: 1302.258+/-0.287 χ^2/NDF: 3392797.9/26

Left In: 931.493+/-0.159 χ^2/NDF:624436.4/22

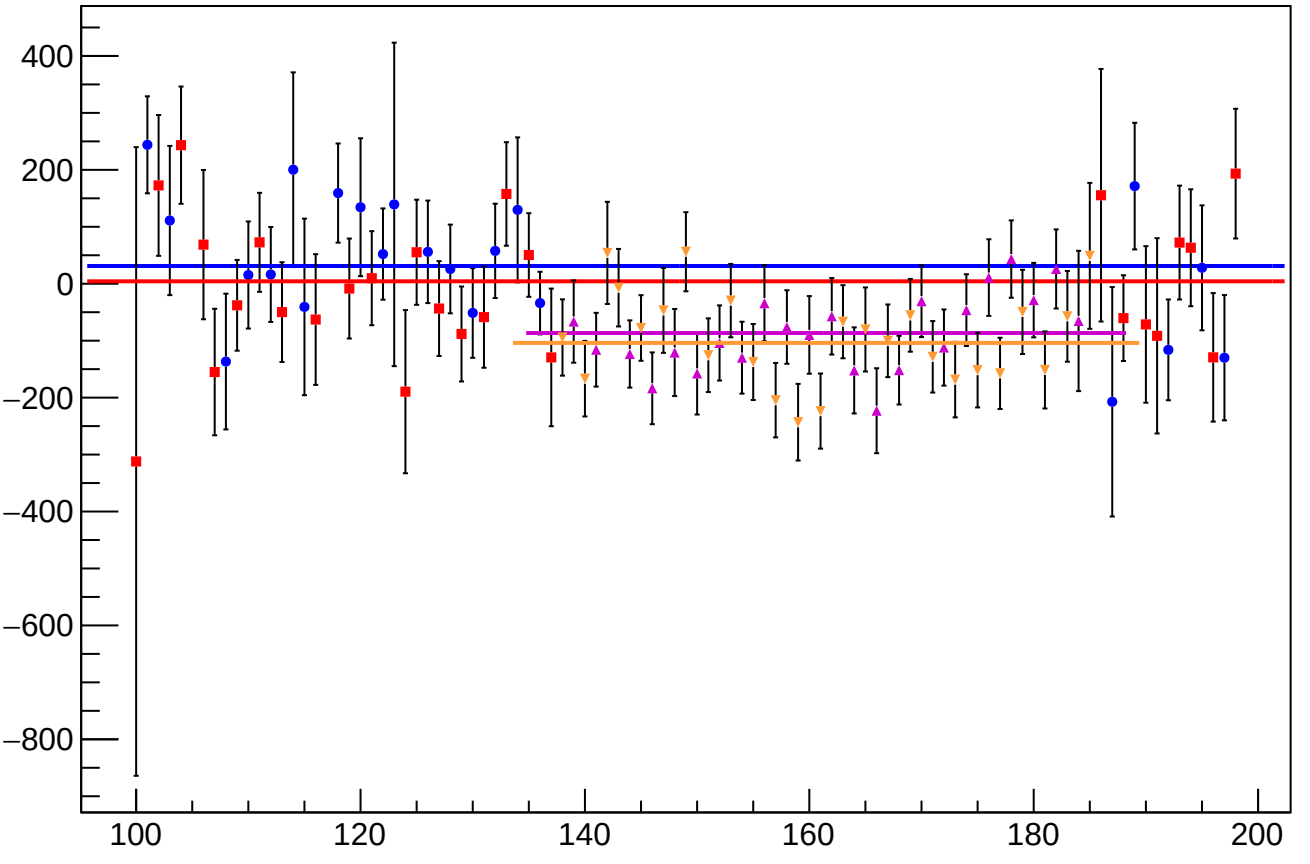
Left: 932.144+/-0.111 χ^2/NDF: 1454267.3/47

Right: 1298.250+/-0.211 χ^2/NDF: 5474551.9/48

In: 1006.375+/-0.142 χ^2/NDF:3772022.1/44

Out: 1016.919+/-0.137 χ^2/NDF:5505952.8/51

All: 1011.844+/-0.099 χ^2/NDF: 9280834.9/96



Right In: 31.162+/-20.610 χ^2/NDF: 24.1/21

Left Out: -103.899+/-13.642 χ^2/NDF:30.0/24

Right Out: 4.285+/-19.372 χ^2/NDF: 27.0/26

Left In: -86.542+/-14.120 χ^2/NDF:21.4/22

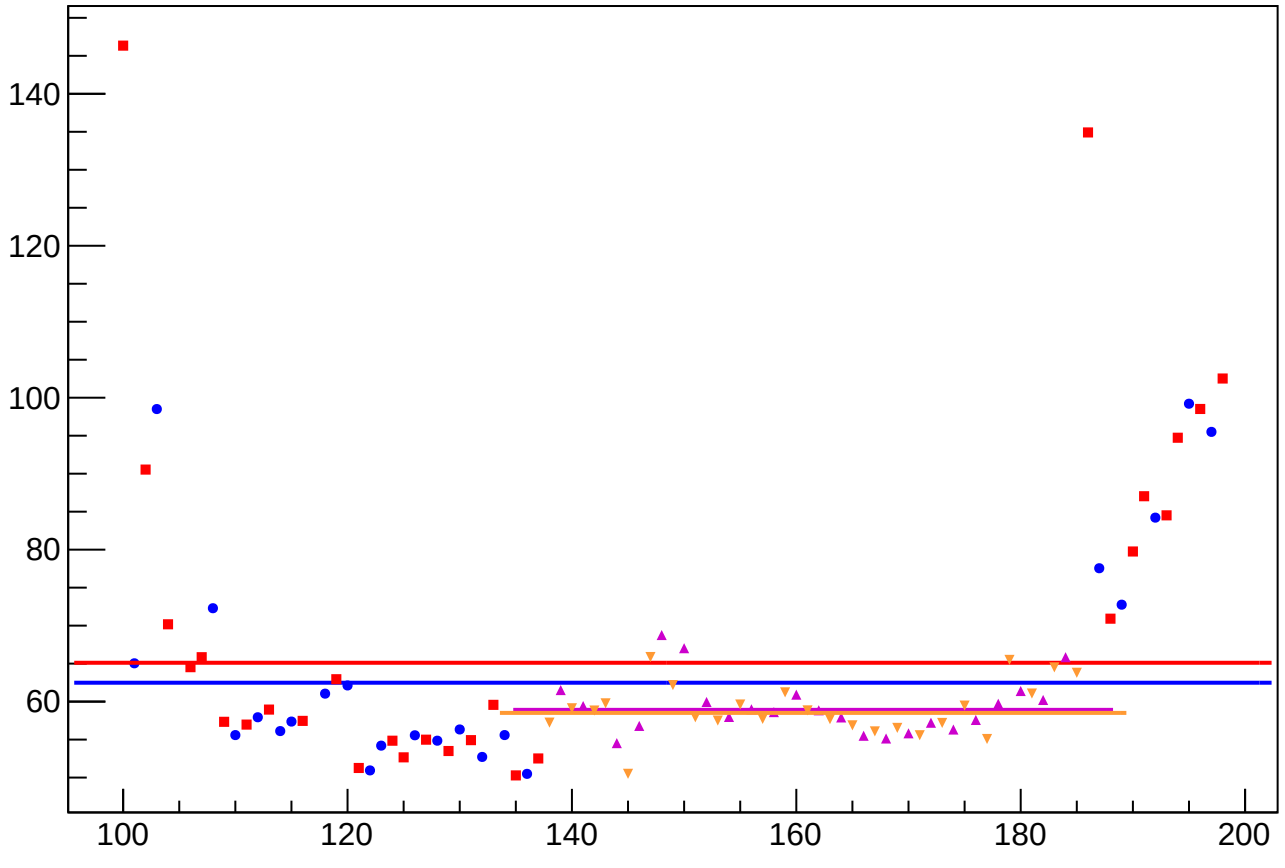
Left: -95.520+/-9.811 χ^2/NDF: 52.1/47

Right: 16.892+/-14.115 χ^2/NDF: 52.0/48

In: -48.942+/-11.648 χ^2/NDF:67.7/44

Out: -68.033+/-11.154 χ^2/NDF:77.8/51

All: -58.902+/-8.056 χ^2/NDF: 146.9/96



Right In: 62.485+/-0.015 χ^2/NDF: 957254.8/21

Left Out: 58.513+/-0.010 χ^2/NDF:123221.6/24

Right Out: 65.111+/-0.014 χ^2/NDF: 1395974.7/26

Left In: 58.913+/-0.010 χ^2/NDF:109968.0/22

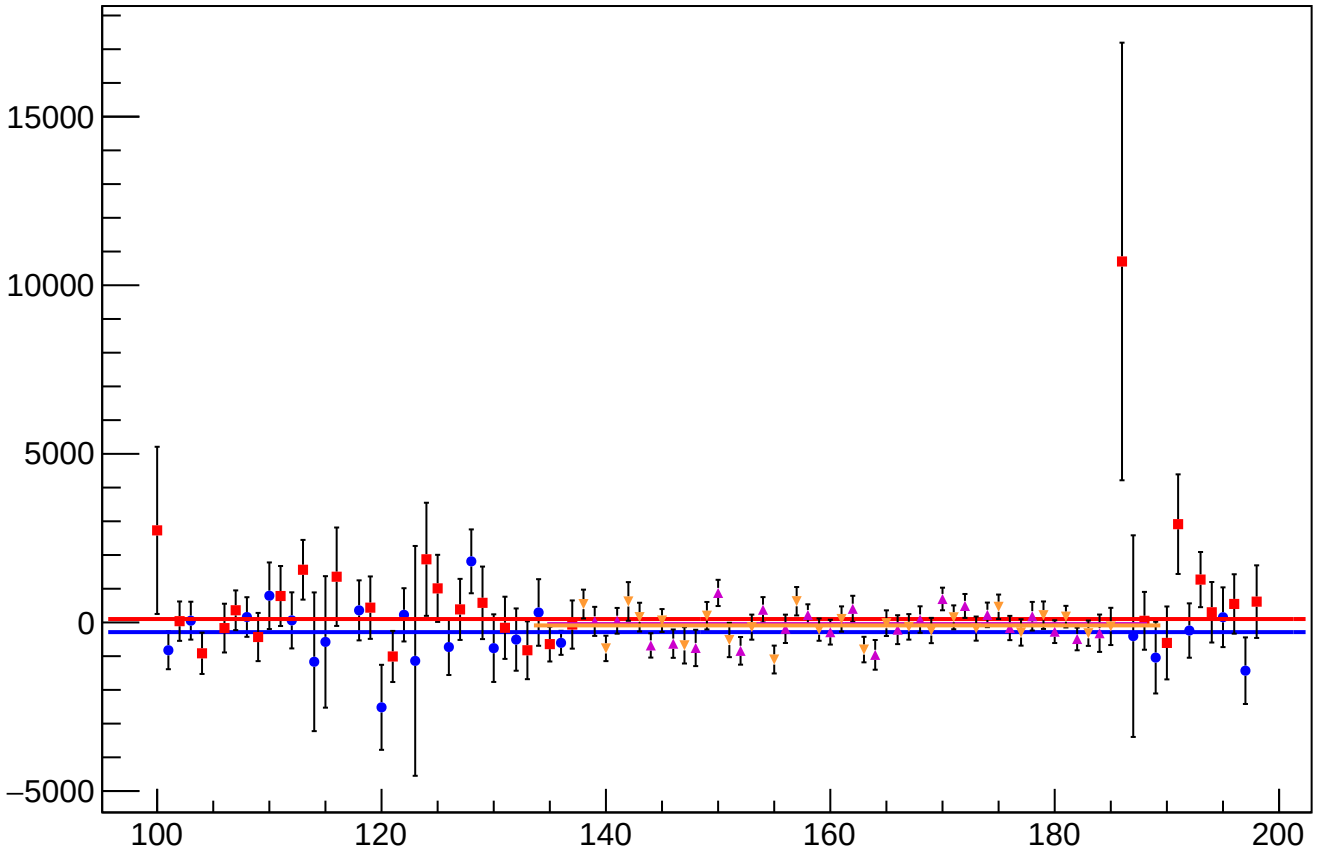
Left: 58.706+/-0.007 χ^2/NDF: 234021.7/47

Right: 63.879+/-0.010 χ^2/NDF: 2370475.0/48

In: 60.054+/-0.008 χ^2/NDF:1108094.9/44

Out: 60.700+/-0.008 χ^2/NDF:1674308.3/51

All: 60.391+/-0.006 χ^2/NDF: 2785614.1/96



Right In: -286.618+/-170.898 χ^2/NDF: 16.3/21

Left Out: -87.459+/-78.556 χ^2/NDF:27.7/24

Right Out: 101.600+/-162.811 χ^2/NDF: 26.1/26

Left In: -48.742+/-80.548 χ^2/NDF:35.3/22

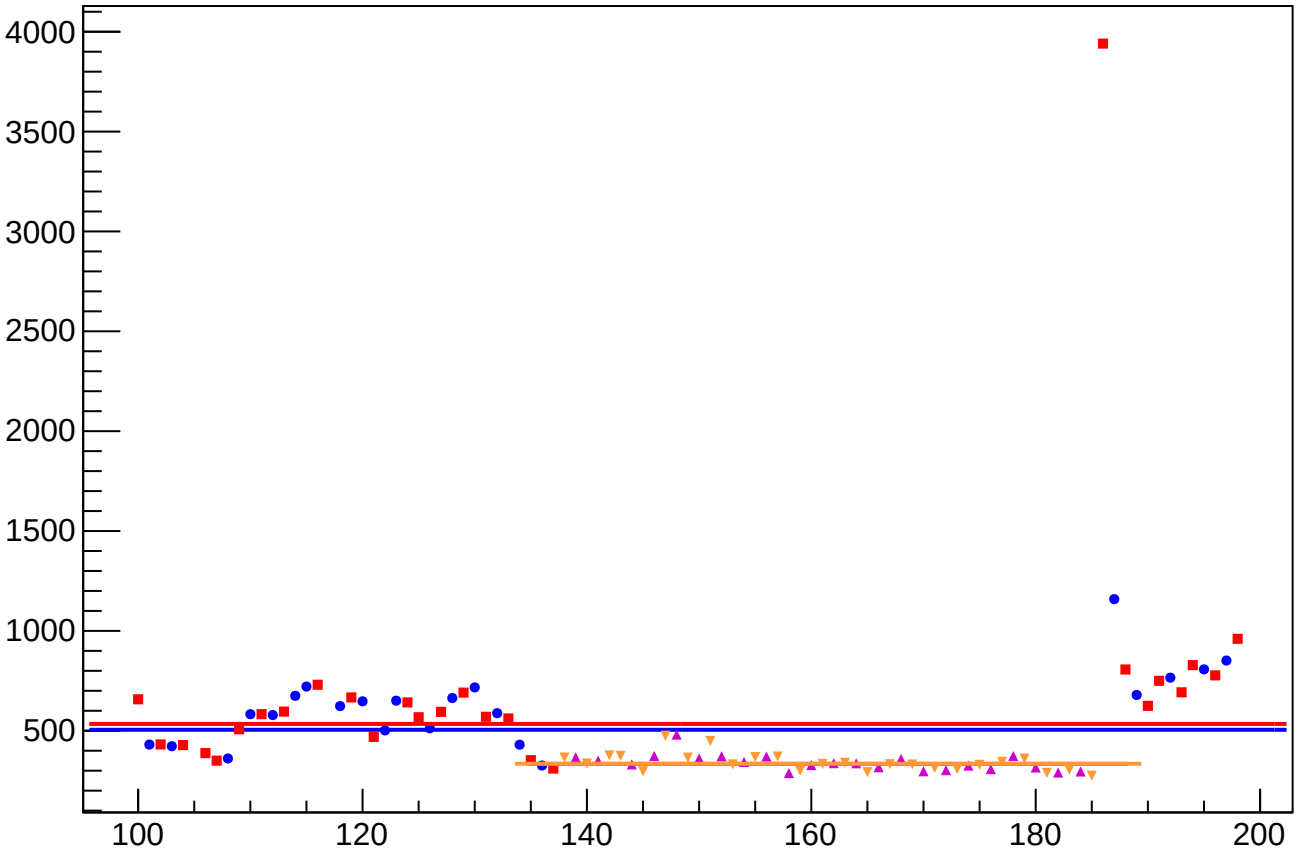
Left: -68.585+/-56.239 χ^2/NDF: 63.2/47

Right: -83.108+/-117.880 χ^2/NDF: 45.1/48

In: -91.980+/-72.860 χ^2/NDF:53.2/44

Out: -51.756+/-70.751 χ^2/NDF:54.9/51

All: -71.277+/-50.758 χ^2/NDF: 108.3/96



Right In: 504.829+/-0.121 χ^2/NDF: 1846257.0/21

Left Out: 334.749+/-0.056 χ^2/NDF:491370.4/24

Right Out: 534.161+/-0.115 χ^2/NDF: 2590295.3/26

Left In: 334.147+/-0.057 χ^2/NDF:397200.6/22

Left: 334.455+/-0.040 χ^2/NDF: 888628.3/47

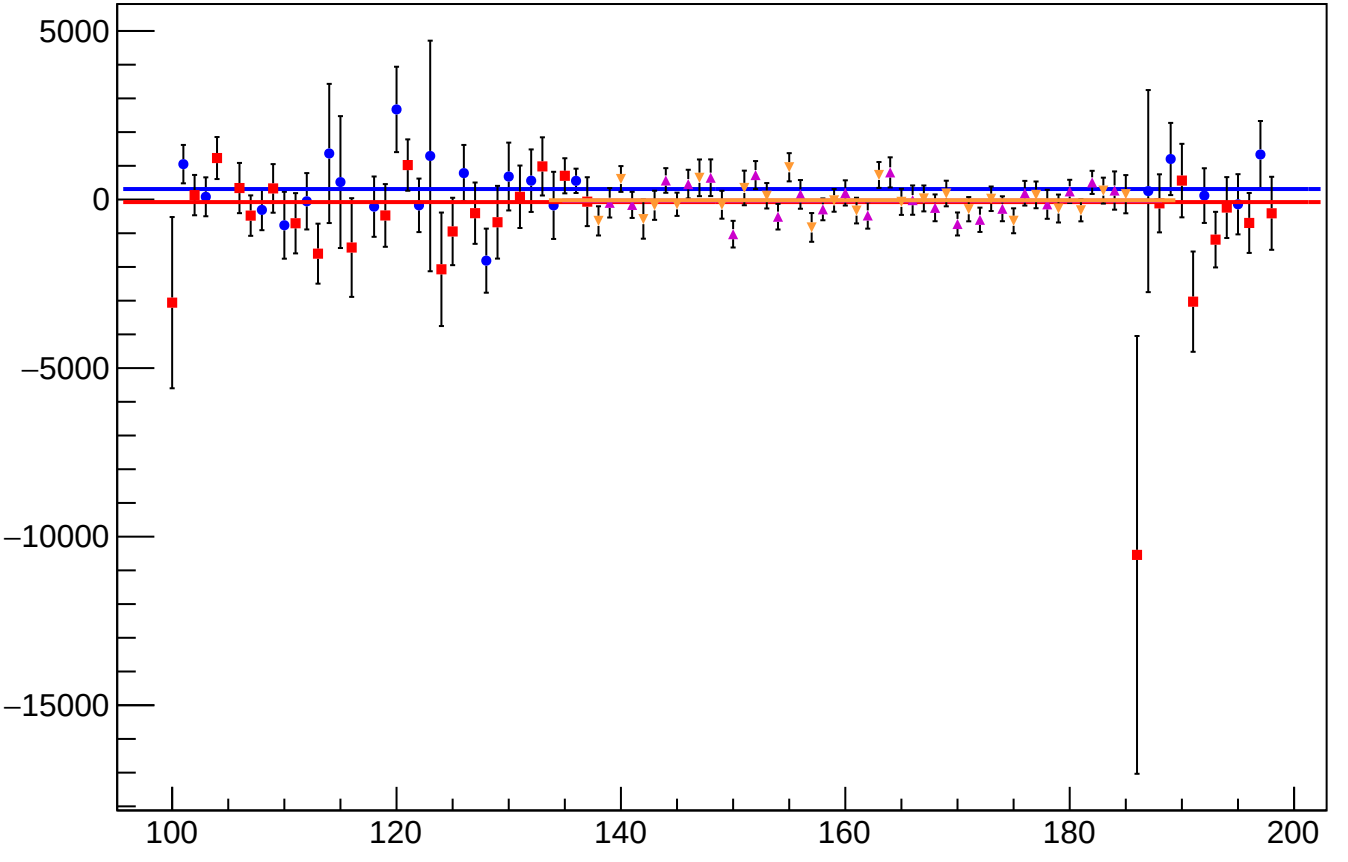
Right: 520.205+/-0.083 χ^2/NDF: 4467437.4/48

In: 365.171+/-0.052 χ^2/NDF:3875810.7/44

Out: 372.406+/-0.050 χ^2/NDF:5515380.9/51

All: 368.895+/-0.036 χ^2/NDF: 9401342.4/96

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 311.430+/-172.791 χ^2/NDF: 17.1/21

Left Out: -20.895+/-79.812 χ^2/NDF:27.2/24

Right Out: -75.730+/-164.643 χ^2/NDF: 29.2/26

Left In: -31.800+/-81.839 χ^2/NDF:34.0/22

Left: -26.211+/-57.139 χ^2/NDF: 61.3/47

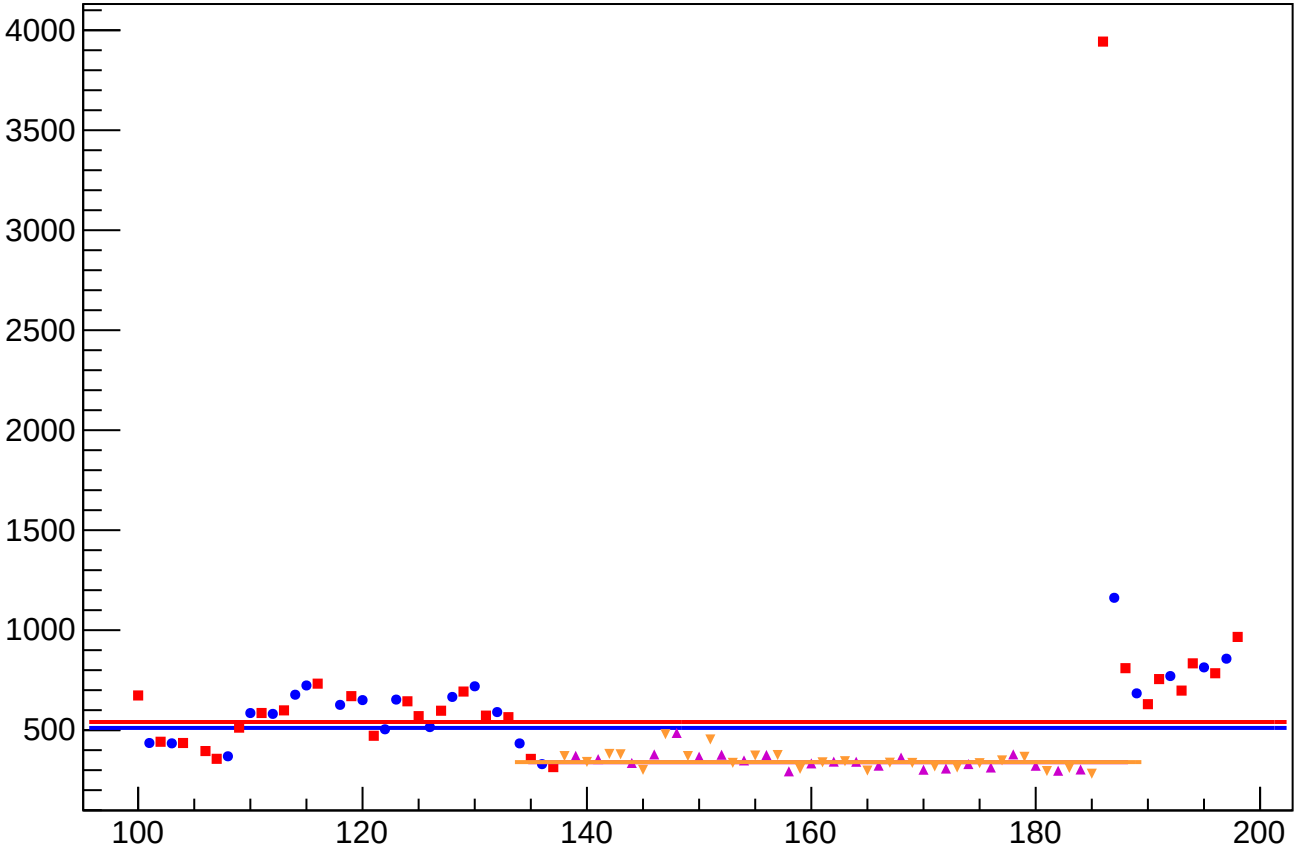
Right: 108.507+/-119.197 χ^2/NDF: 49.0/48

In: 31.088+/-73.963 χ^2/NDF:54.4/44

Out: -31.329+/-71.818 χ^2/NDF:56.5/51

All: -1.038+/-51.525 χ^2/NDF: 111.3/96

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 511.170+/-0.122 χ^2/NDF: 1797777.0/21

Left Out: 340.238+/-0.056 χ^2/NDF:468863.6/24

Right Out: 540.770+/-0.116 χ^2/NDF: 2534711.4/26

Left In: 339.621+/-0.058 χ^2/NDF:379808.1/22

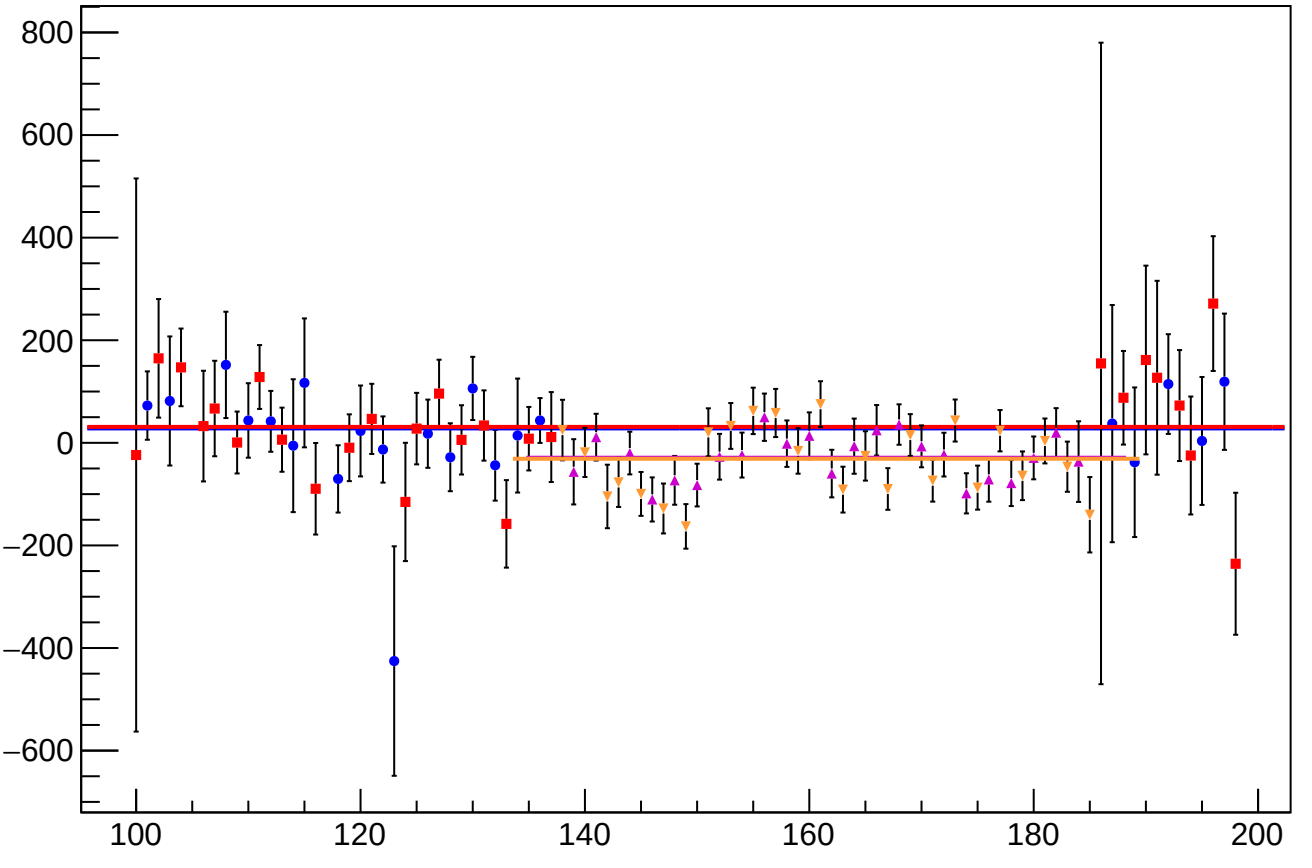
Left: 339.937+/-0.040 χ^2/NDF: 848729.8/47

Right: 526.685+/-0.084 χ^2/NDF: 4363249.7/48

In: 371.053+/-0.052 χ^2/NDF:3787739.5/44

Out: 378.394+/-0.051 χ^2/NDF:5405993.7/51

All: 374.832+/-0.036 χ^2/NDF: 9203873.8/96



Right In: 28.109+/-17.091 χ^2/NDF: 14.6/21

Left Out: -31.063+/-9.170 χ^2/NDF:52.6/24

Right Out: 31.053+/-16.350 χ^2/NDF: 25.4/26

Left In: -29.055+/-9.449 χ^2/NDF:22.4/22

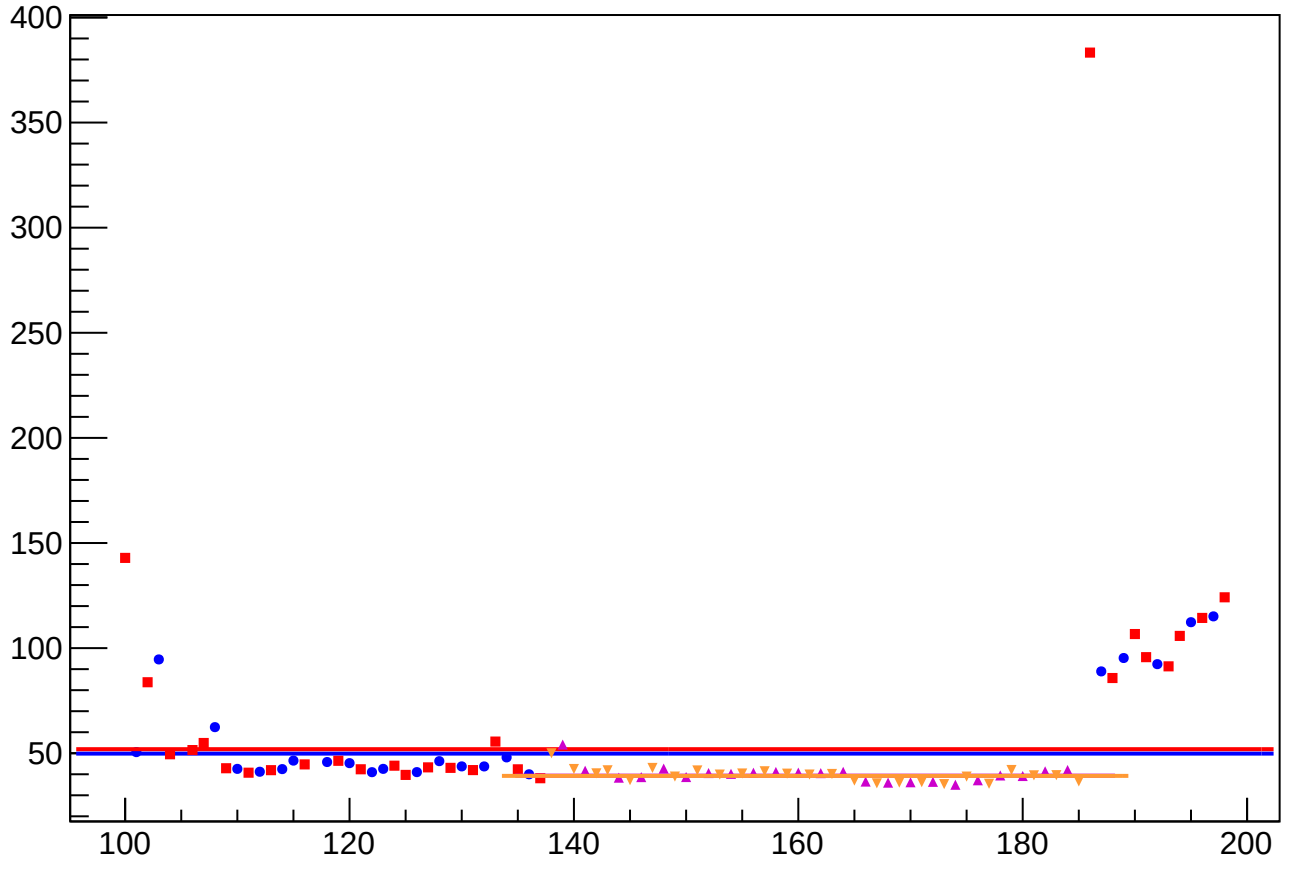
Left: -30.089+/-6.581 χ^2/NDF: 75.1/47

Right: 29.646+/-11.814 χ^2/NDF: 40.0/48

In: -15.672+/-8.270 χ^2/NDF:45.6/44

Out: -16.200+/-7.998 χ^2/NDF:89.0/51

All: -15.945+/-5.749 χ^2/NDF: 134.6/96



Right In: 49.831+/-0.012 χ^2/NDF: 2204350.1/21

Left Out: 39.235+/-0.006 χ^2/NDF:201960.7/24

Right Out: 51.937+/-0.012 χ^2/NDF: 3545966.3/26

Left In: 39.338+/-0.007 χ^2/NDF:215671.3/22

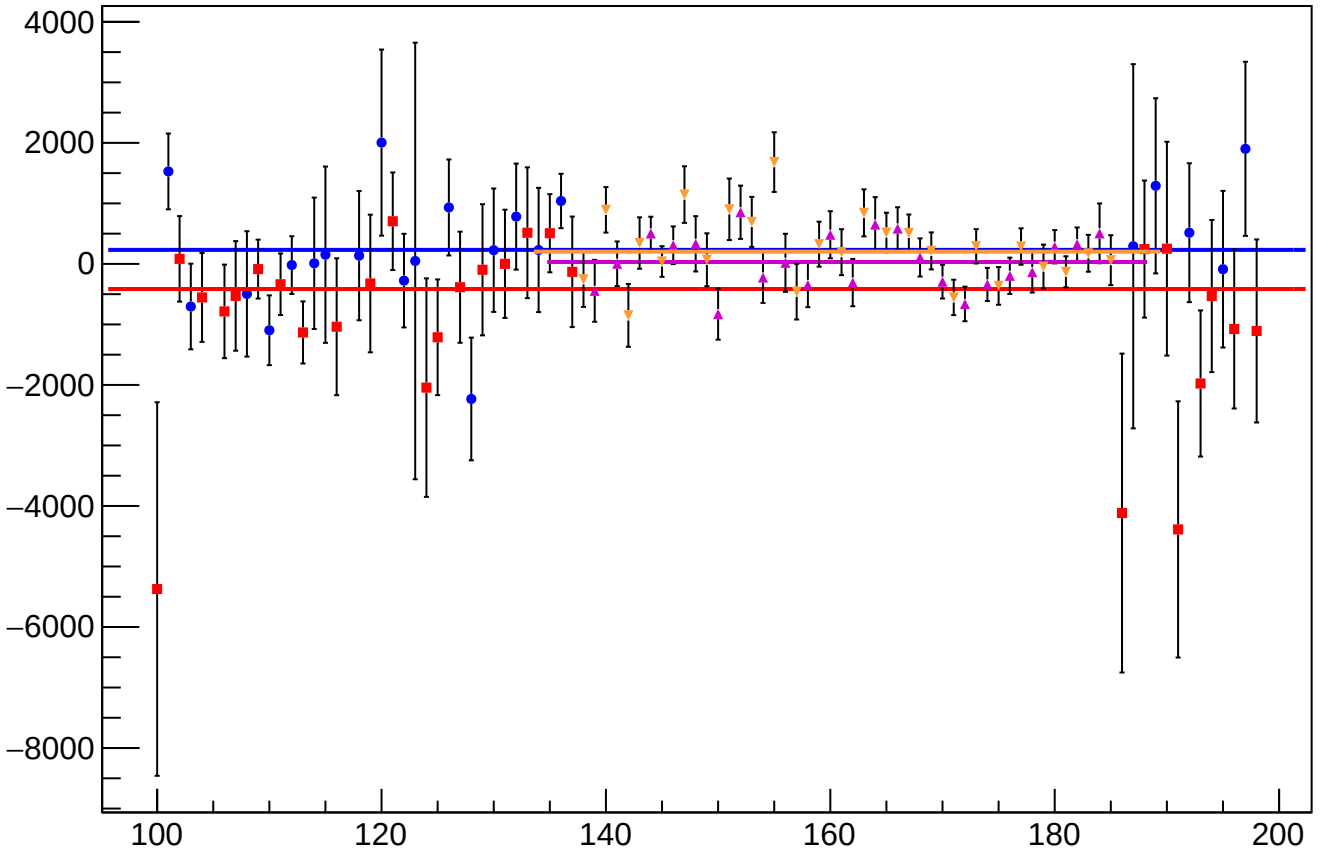
Left: 39.285+/-0.005 χ^2/NDF: 417755.0/47

Right: 50.930+/-0.008 χ^2/NDF: 5766173.9/48

In: 41.795+/-0.006 χ^2/NDF:2997323.8/44

Out: 42.274+/-0.006 χ^2/NDF:4666110.5/51

All: 42.042+/-0.004 χ^2/NDF: 7666906.4/96



Right In: 232.099+/-181.340 χ^2/NDF: 26.2/21

Left Out: 202.369+/-70.426 χ^2/NDF:44.8/24

Right Out: -414.544+/-169.581 χ^2/NDF: 20.8/26

Left In: 31.548+/-72.100 χ^2/NDF:33.4/22

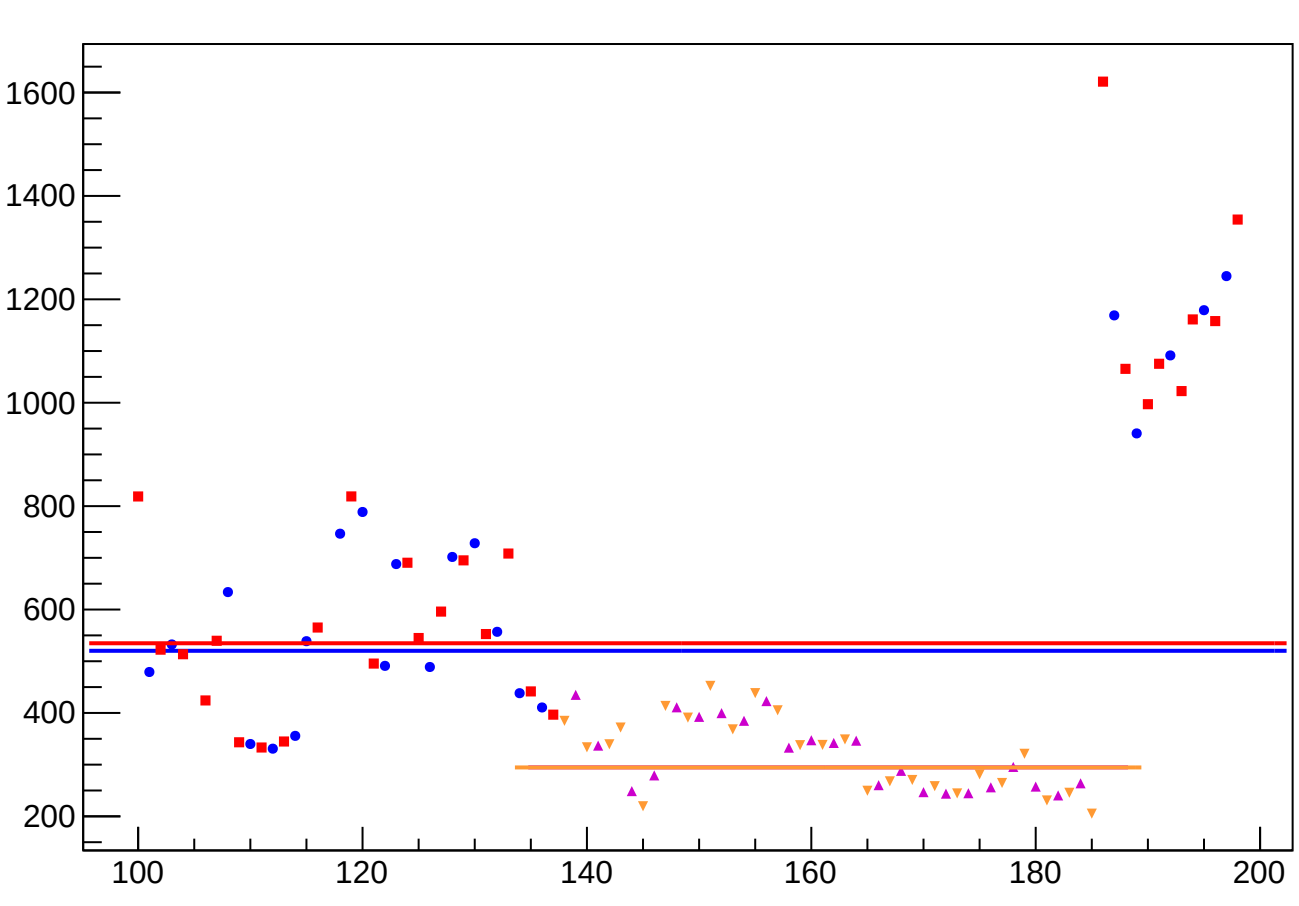
Left: 118.965+/-50.380 χ^2/NDF: 81.1/47

Right: -112.866+/-123.860 χ^2/NDF: 53.9/48

In: 58.924+/-66.999 χ^2/NDF:60.7/44

Out: 111.622+/-65.040 χ^2/NDF:77.0/51

All: 86.054+/-46.667 χ^2/NDF: 137.9/96



Right In: 520.191+/-0.128 χ^2/NDF: 2817680.2/21

Left Out: 294.591+/-0.050 χ^2/NDF:1680474.5/24

Right Out: 534.783+/-0.120 χ^2/NDF: 4204009.2/26

Left In: 294.722+/-0.051 χ^2/NDF:1297310.3/22

Left: 294.655+/-0.036 χ^2/NDF: 2977788.1/47

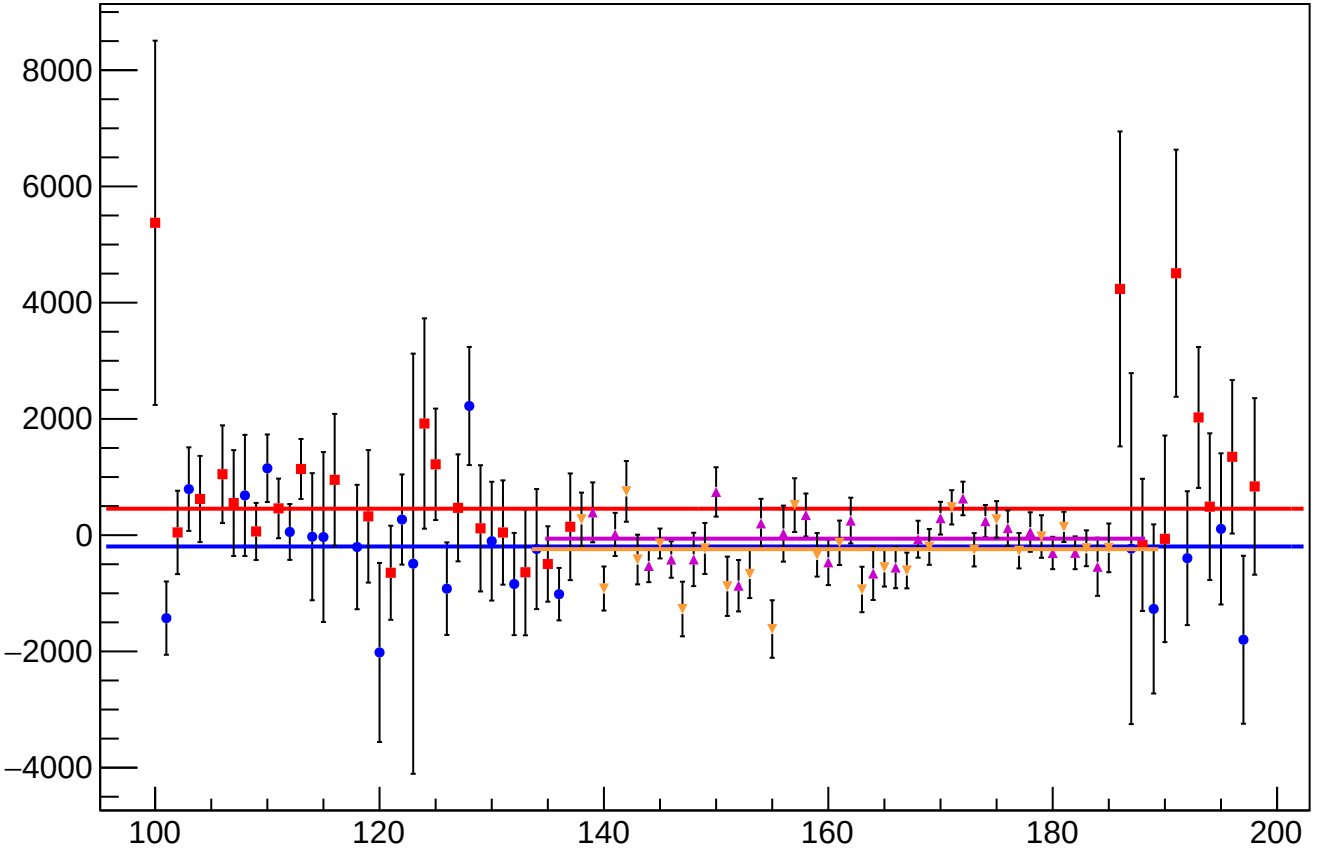
Right: 527.975+/-0.088 χ^2/NDF: 7028598.0/48

In: 325.499+/-0.047 χ^2/NDF:6784778.8/44

Out: 329.923+/-0.046 χ^2/NDF:9306562.3/51

All: 327.777+/-0.033 χ^2/NDF: 16095830.8/96

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -194.825+/-182.439 χ^2/NDF: 26.0/21

Left Out: -240.357+/-71.100 χ^2/NDF:42.9/24

Right Out: 455.274+/-171.263 χ^2/NDF: 20.8/26

Left In: -60.330+/-72.788 χ^2/NDF:30.9/22

Left: -152.455+/-50.862 χ^2/NDF: 77.0/47

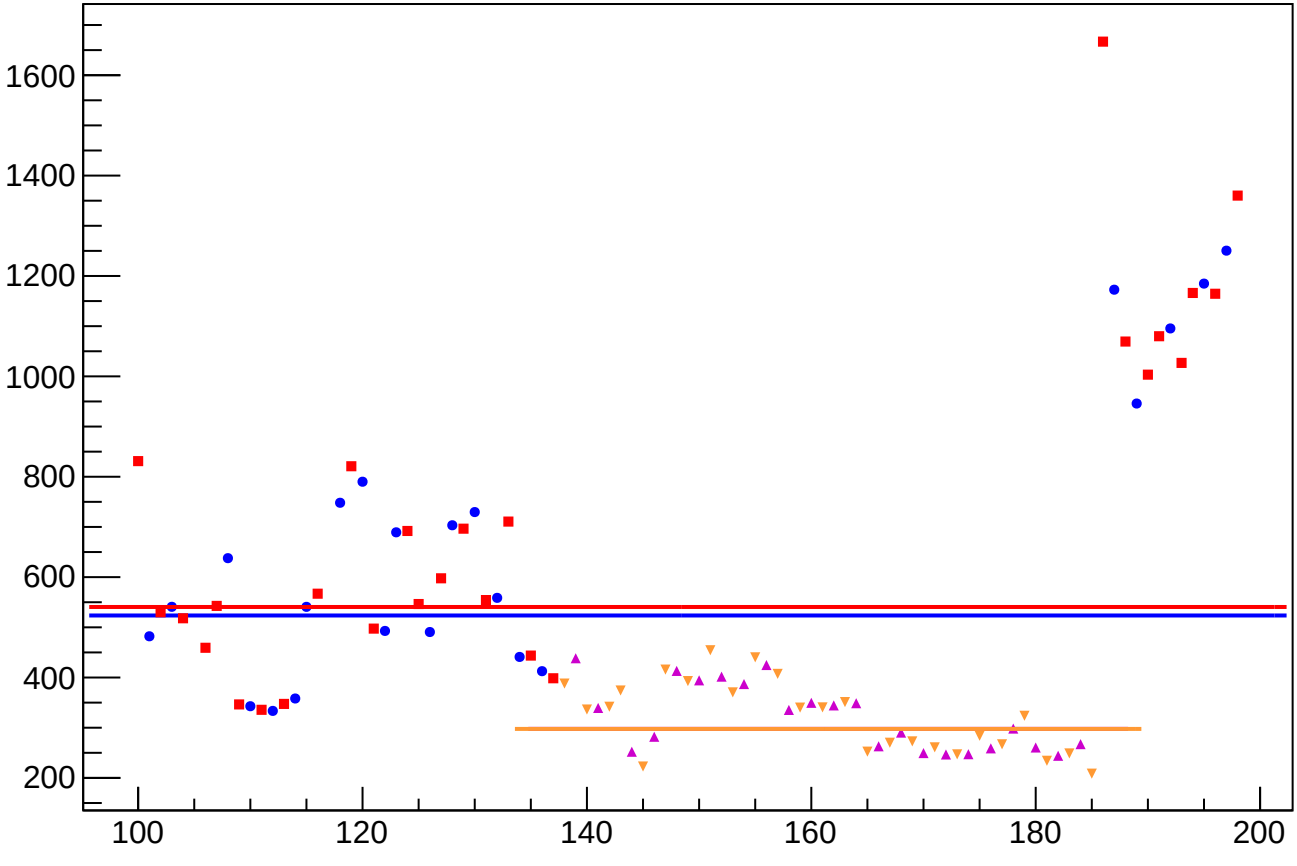
Right: 150.745+/-124.865 χ^2/NDF: 53.6/48

In: -78.799+/-67.606 χ^2/NDF:57.4/44

Out: -138.089+/-65.666 χ^2/NDF:77.8/51

All: -109.307+/-47.104 χ^2/NDF: 135.6/96

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 523.595+/-0.129 χ^2/NDF: 2802789.4/21

Left Out: 297.613+/-0.050 χ^2/NDF:1637757.8/24

Right Out: 540.539+/-0.121 χ^2/NDF: 4167018.3/26

Left In: 297.699+/-0.051 χ^2/NDF:1266306.2/22

Left: 297.655+/-0.036 χ^2/NDF: 2904065.4/47

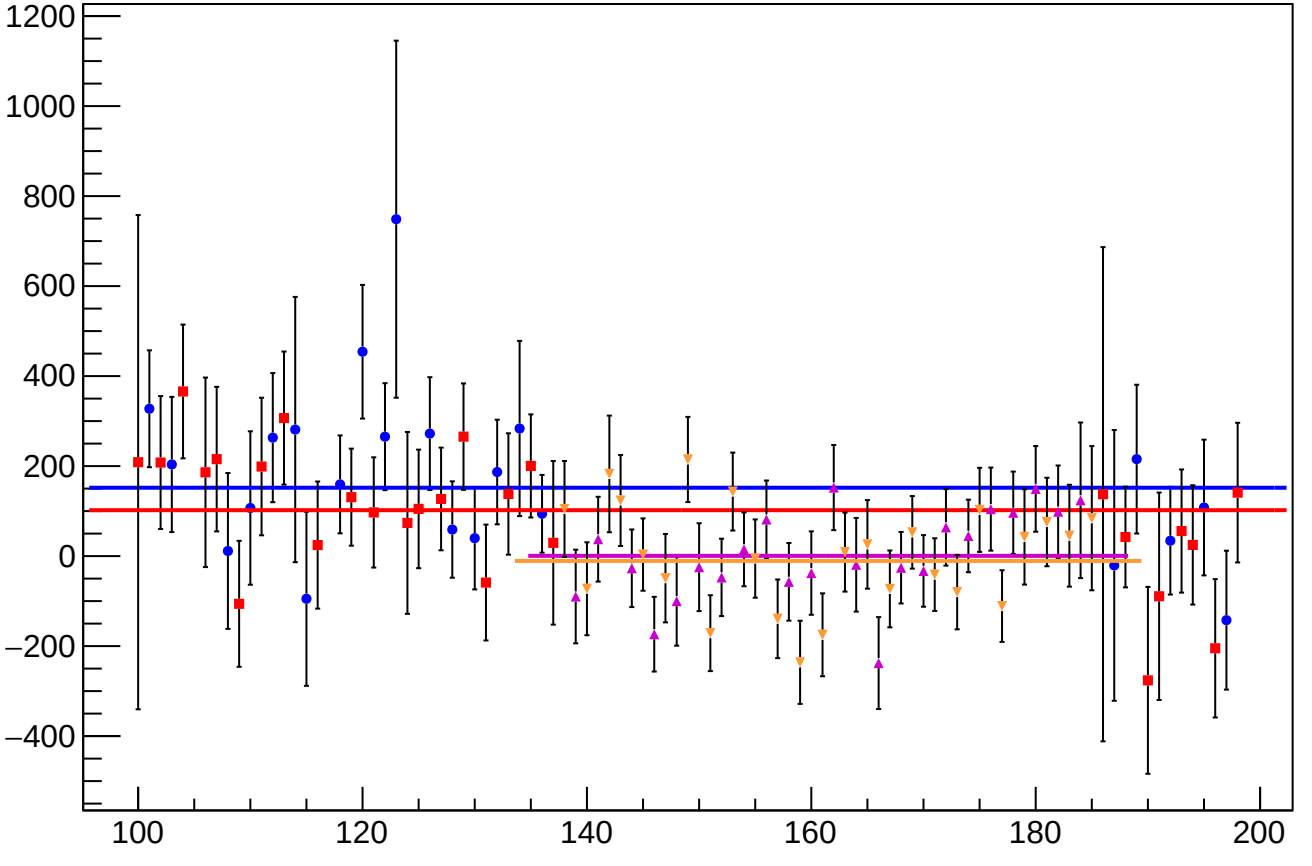
Right: 532.602+/-0.088 χ^2/NDF: 6978979.0/48

In: 328.719+/-0.048 χ^2/NDF:6714310.8/44

Out: 333.326+/-0.046 χ^2/NDF:9237152.1/51

All: 331.090+/-0.033 χ^2/NDF: 15956242.1/96

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 151.946+/-29.734 χ^2/NDF: 21.2/21

Left Out: -10.667+/-18.610 χ^2/NDF:36.3/24

Right Out: 102.049+/-28.063 χ^2/NDF: 22.6/26

Left In: 0.575+/-19.091 χ^2/NDF:23.8/22

Left: -5.190+/-13.326 χ^2/NDF: 60.3/47

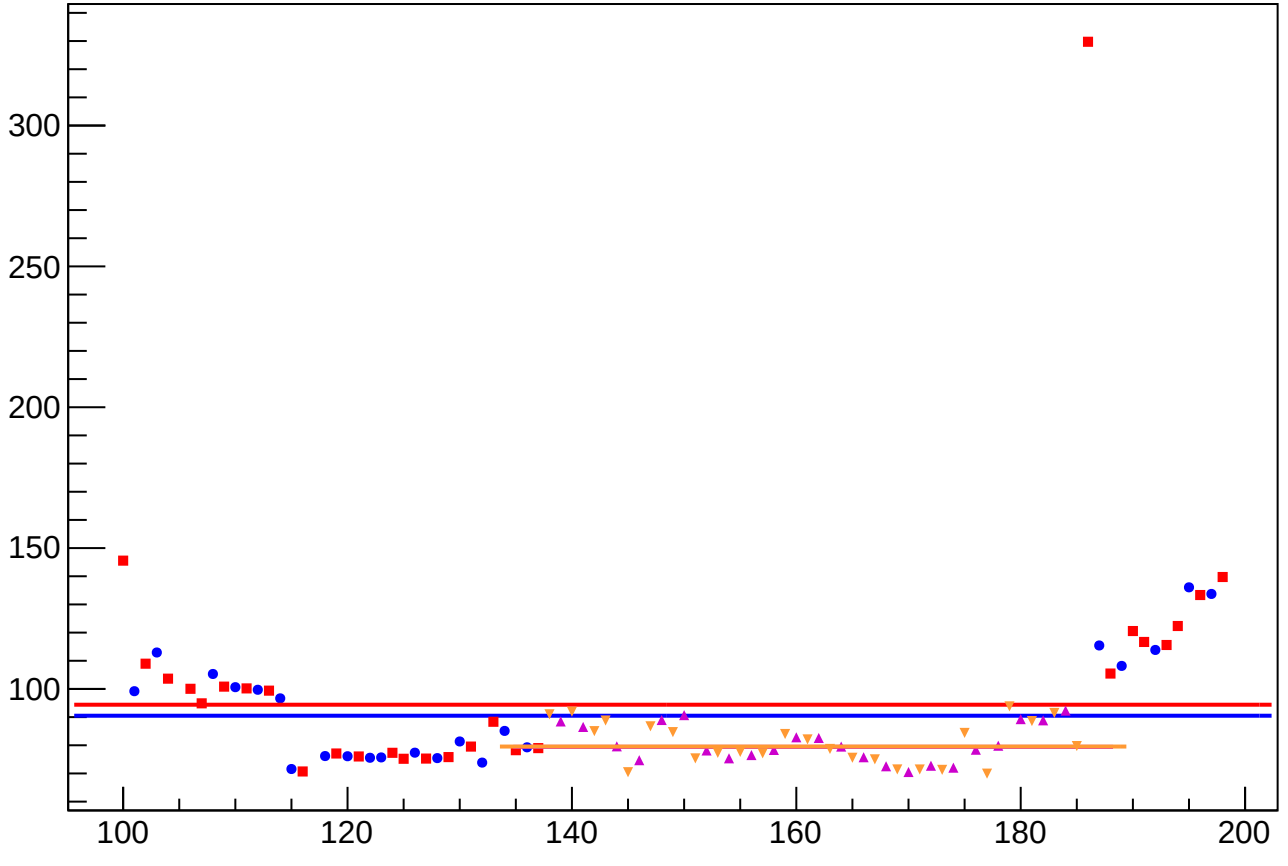
Right: 125.557+/-20.409 χ^2/NDF: 45.3/48

In: 44.762+/-16.065 χ^2/NDF:63.3/44

Out: 23.760+/-15.509 χ^2/NDF:70.1/51

All: 33.892+/-11.158 χ^2/NDF: 134.3/96

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.492+/-0.021 χ^2/NDF: 794296.0/21

Left Out: 79.551+/-0.013 χ^2/NDF:309075.2/24

Right Out: 94.399+/-0.020 χ^2/NDF: 1328522.4/26

Left In: 79.436+/-0.013 χ^2/NDF:212440.1/22

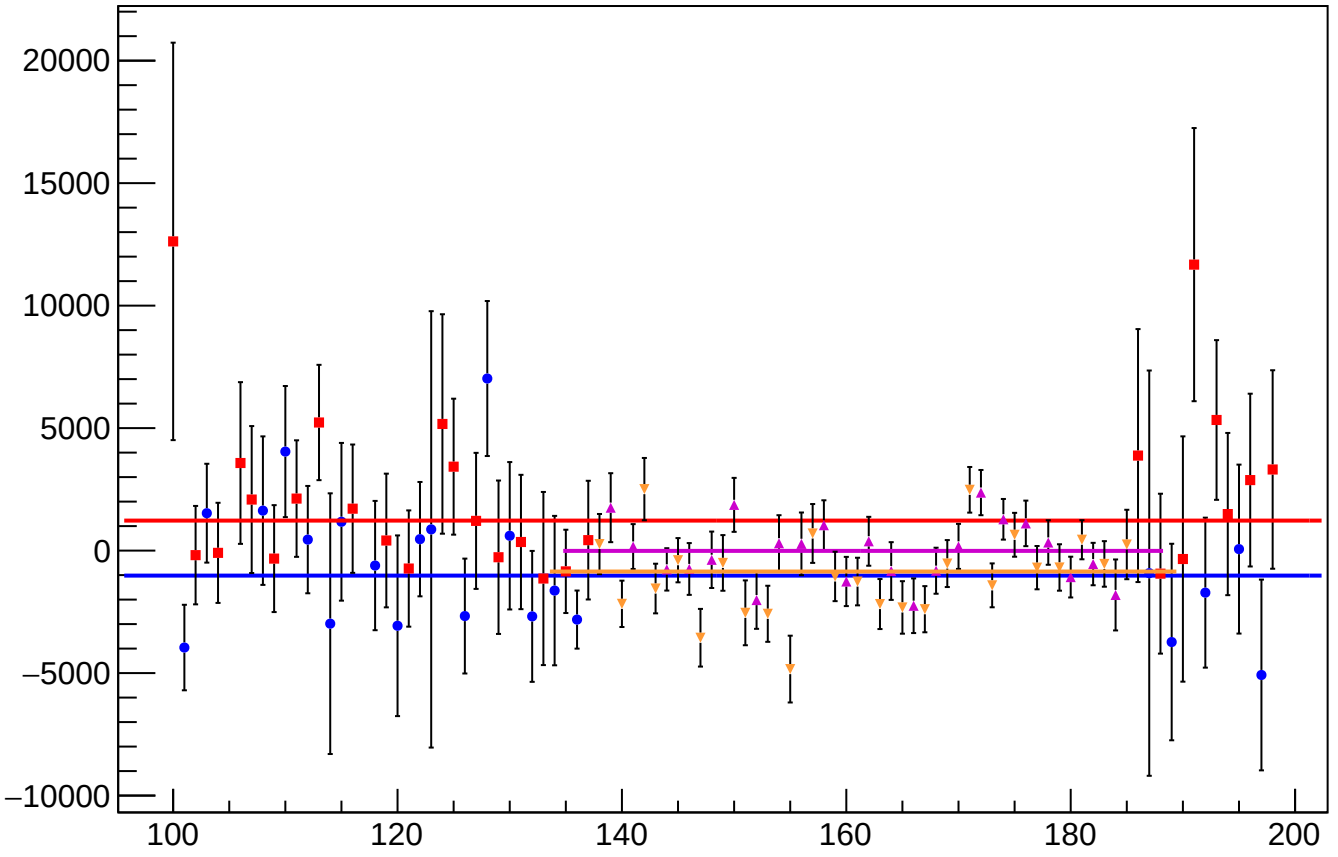
Left: 79.495+/-0.009 χ^2/NDF: 521552.2/47

Right: 92.558+/-0.014 χ^2/NDF: 2141081.7/48

In: 82.664+/-0.011 χ^2/NDF:1202517.1/44

Out: 84.086+/-0.011 χ^2/NDF:2026469.3/51

All: 83.400+/-0.008 χ^2/NDF: 3237101.6/96



Right In: -1020.553+/-553.799 χ^2/NDF: 22.3/21

Left Out: -854.130+/-204.090 χ^2/NDF:56.0/24

Right Out: 1225.037+/-542.237 χ^2/NDF: 18.0/26

Left In: -11.687+/-210.073 χ^2/NDF:31.2/22

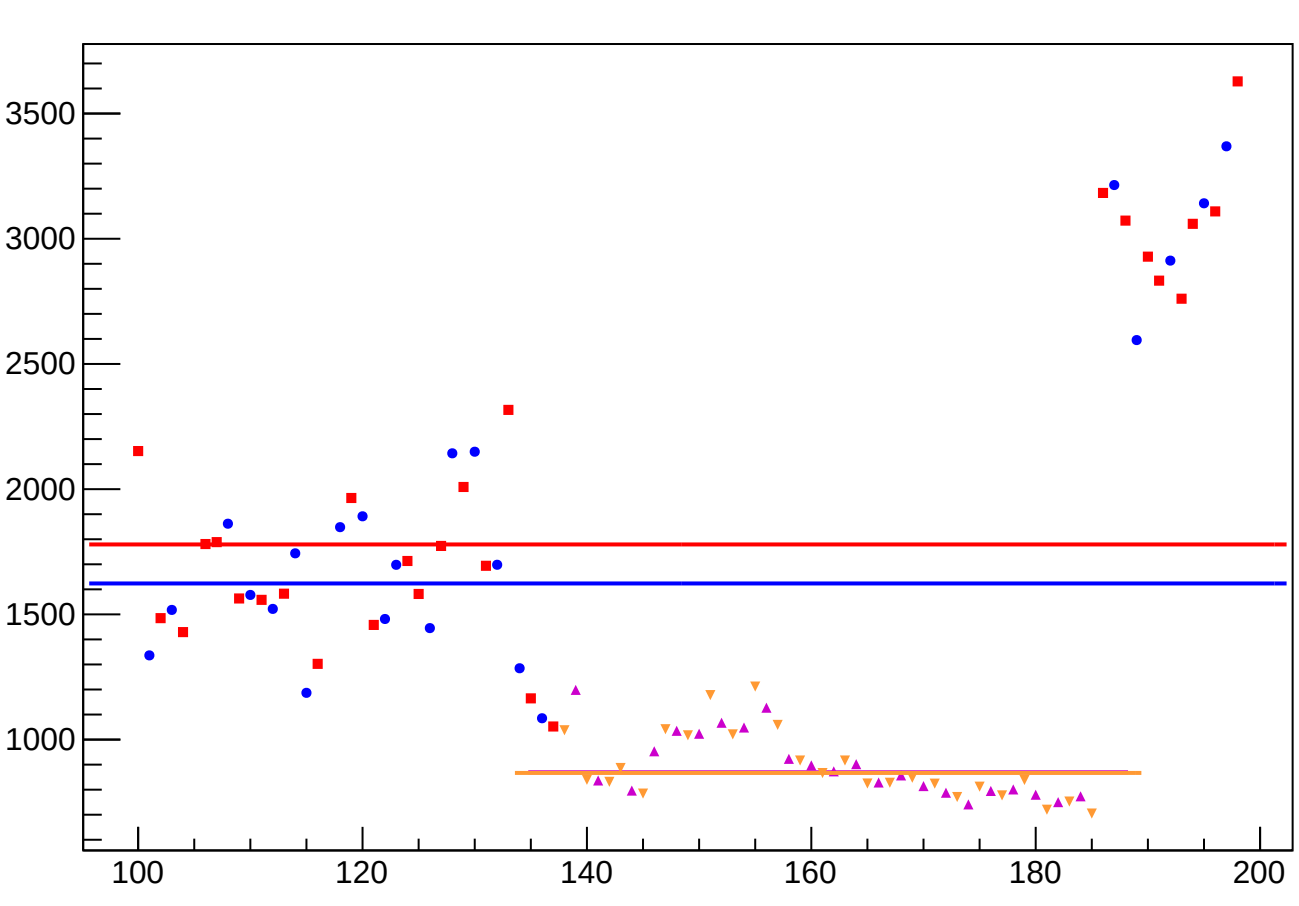
Left: -445.076+/-146.383 χ^2/NDF: 95.5/47

Right: 125.929+/-387.442 χ^2/NDF: 48.7/48

In: -138.594+/-196.416 χ^2/NDF:56.4/44

Out: -596.132+/-191.008 χ^2/NDF:86.8/51

All: -373.748+/-136.935 χ^2/NDF: 146.0/96



Right In: 1623.477+/-0.392 χ^2/NDF: 2048429.6/21

Left Out: 866.893+/-0.144 χ^2/NDF:661712.5/24

Right Out: 1779.273+/-0.383 χ^2/NDF: 2599896.9/26

Left In: 869.569+/-0.149 χ^2/NDF:582301.2/22

Left: 868.192+/-0.104 χ^2/NDF: 1244180.7/47

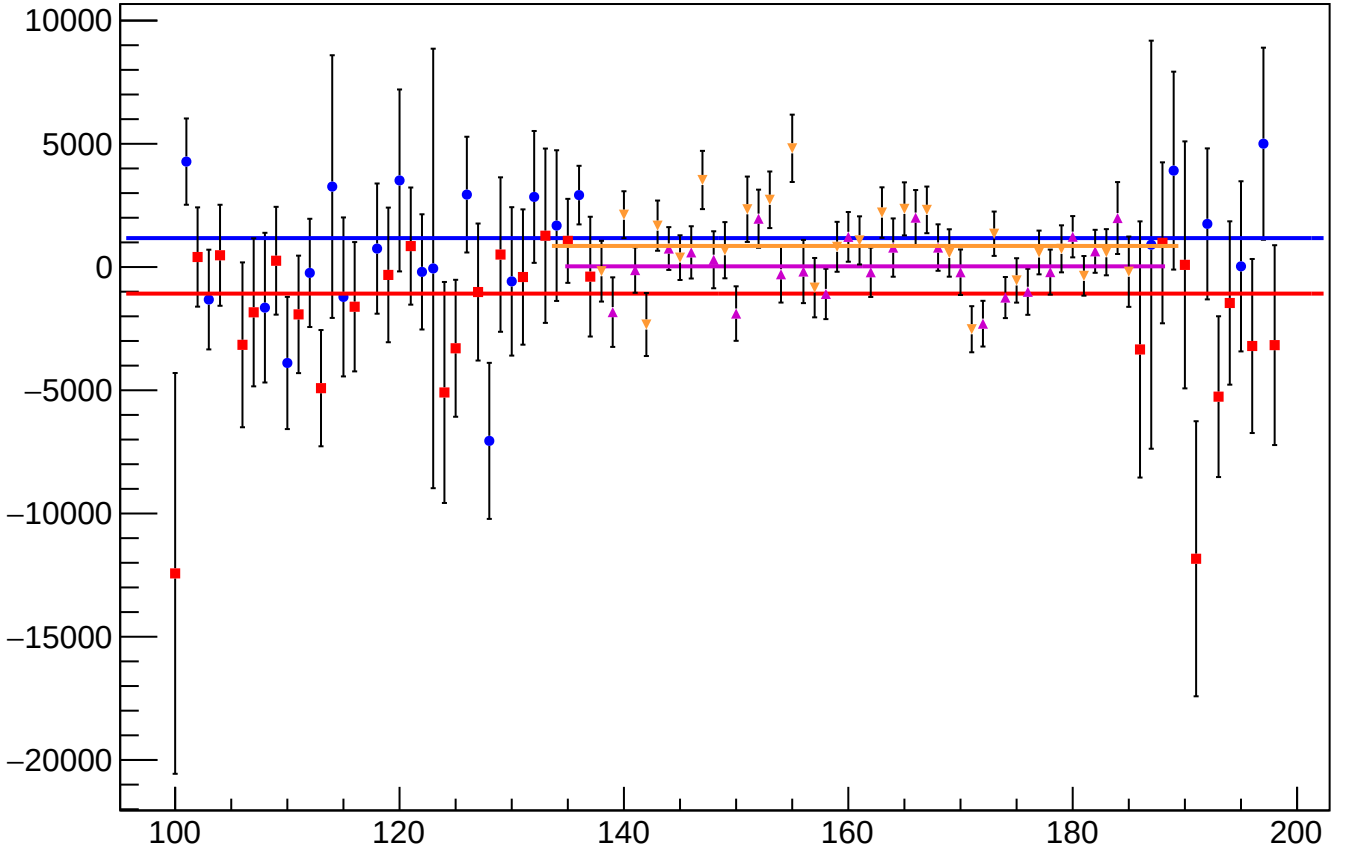
Right: 1703.018+/-0.274 χ^2/NDF: 4729138.1/48

In: 964.404+/-0.139 χ^2/NDF:5870972.3/44

Out: 980.108+/-0.135 χ^2/NDF:8221409.6/51

All: 972.475+/-0.097 χ^2/NDF: 14098952.6/96

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1174.051+/-554.880 χ^2/NDF: 22.8/21

Left Out: 855.664+/-205.047 χ^2/NDF:54.1/24

Right Out: -1078.145+/-543.369 χ^2/NDF: 17.9/26

Left In: 28.553+/-211.034 χ^2/NDF:29.7/22

Left: 454.007+/-147.061 χ^2/NDF: 91.7/47

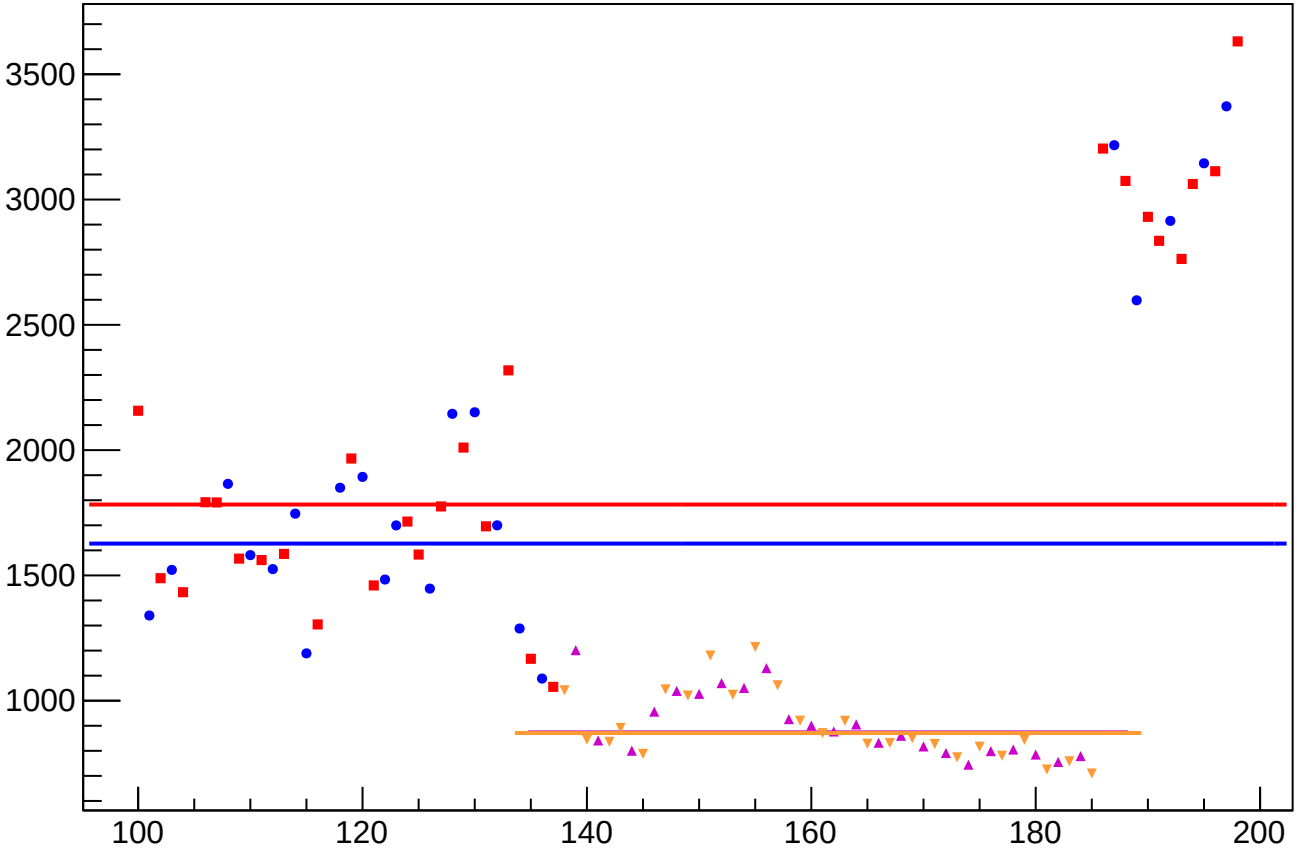
Right: 24.350+/-388.225 χ^2/NDF: 49.1/48

In: 173.307+/-197.250 χ^2/NDF:56.3/44

Out: 614.612+/-191.842 χ^2/NDF:83.1/51

All: 400.091+/-137.525 χ^2/NDF: 141.9/96

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1627.028+/-0.392 χ^2/NDF: 2040978.9/21

Left Out: 871.109+/-0.145 χ^2/NDF:651751.1/24

Right Out: 1782.905+/-0.384 χ^2/NDF: 2594272.9/26

Left In: 873.675+/-0.149 χ^2/NDF:573822.5/22

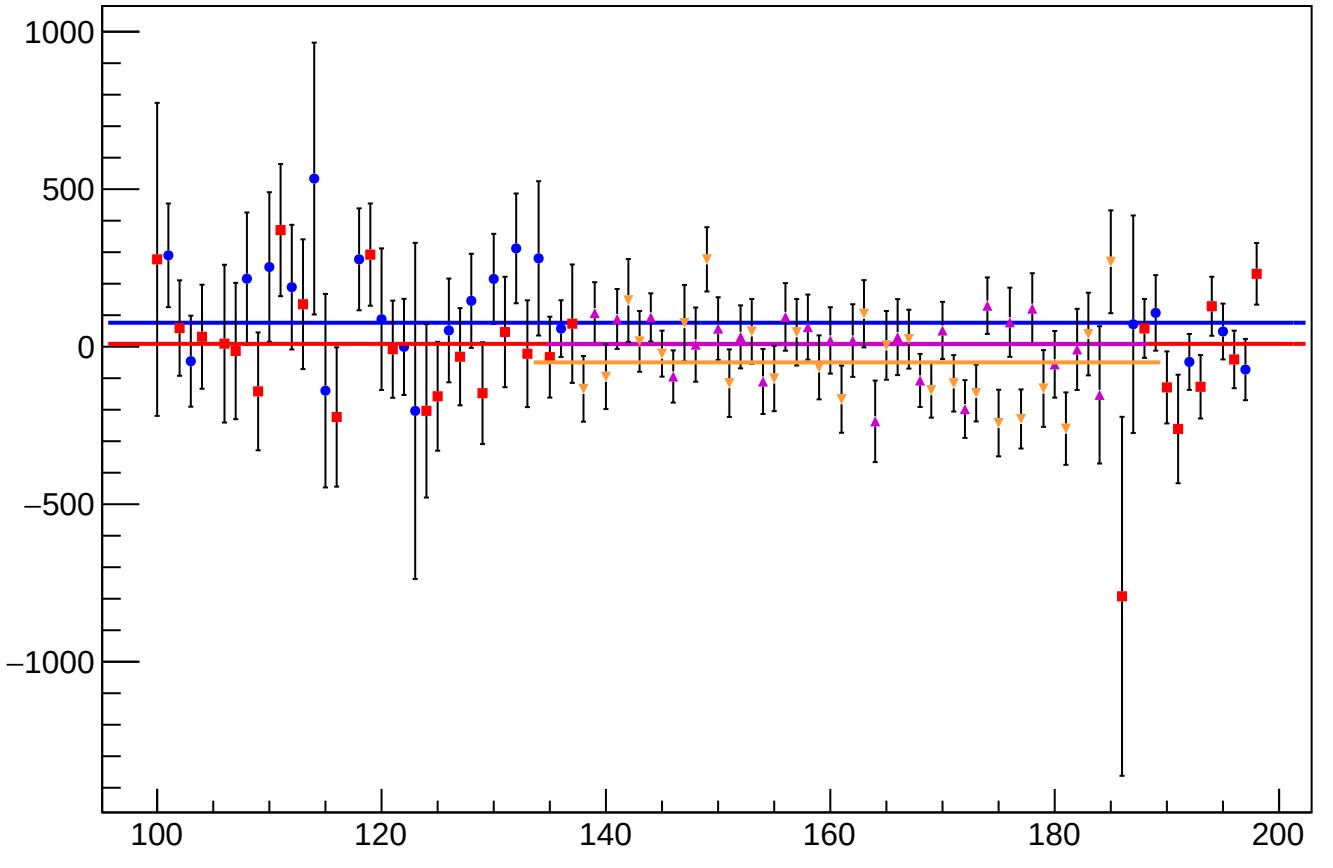
Left: 872.355+/-0.104 χ^2/NDF: 1225725.6/47

Right: 1706.600+/-0.275 χ^2/NDF: 4715822.2/48

In: 968.874+/-0.139 χ^2/NDF:5835559.9/44

Out: 984.766+/-0.136 χ^2/NDF:8175686.6/51

All: 977.041+/-0.097 χ^2/NDF: 14017917.7/96



Right In: 76.099+/-31.416 χ^2/NDF: 15.7/21

Left Out: -49.717+/-20.580 χ^2/NDF:39.4/24

Right Out: 9.035+/-28.337 χ^2/NDF: 26.5/26

Left In: 8.343+/-21.271 χ^2/NDF:22.0/22

Left: -21.646+/-14.791 χ^2/NDF: 65.3/47

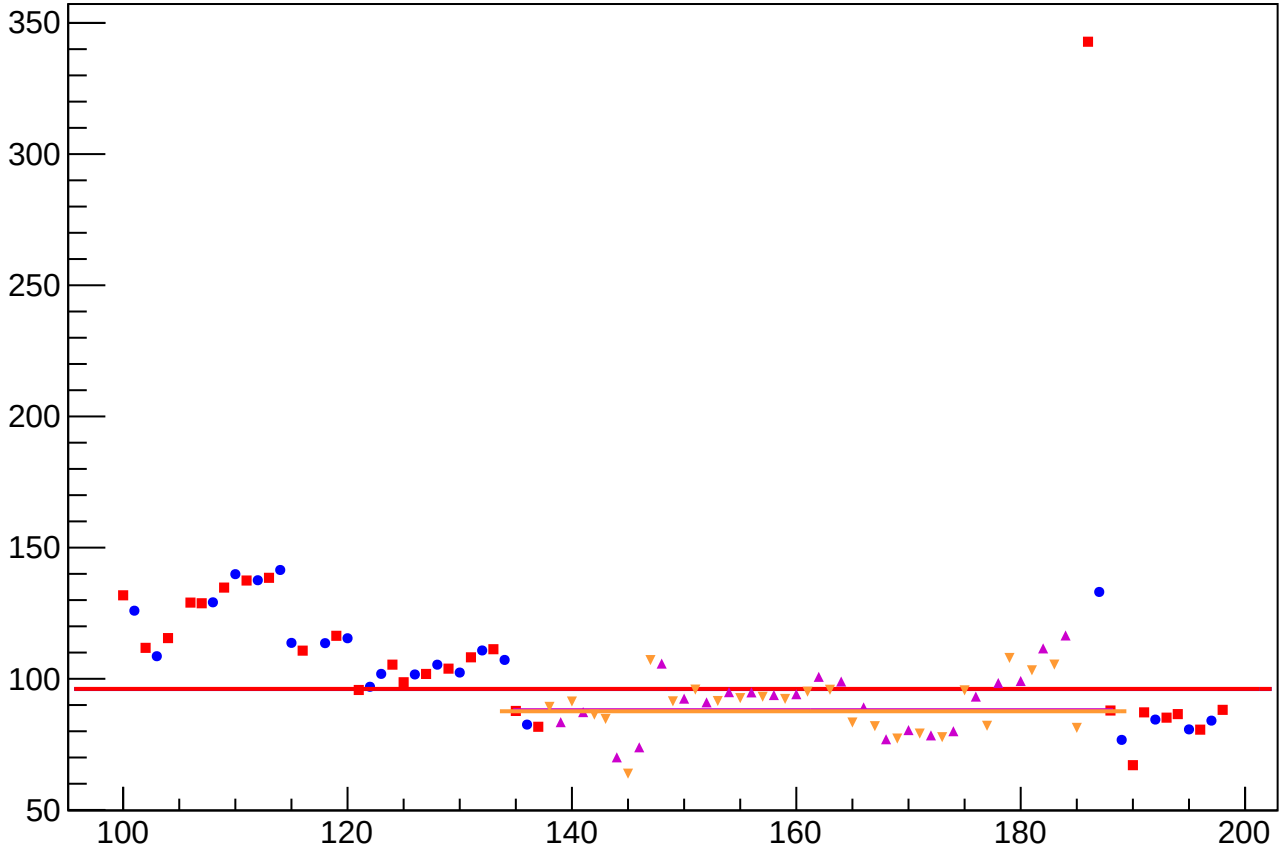
Right: 39.121+/-21.042 χ^2/NDF: 44.7/48

In: 29.641+/-17.614 χ^2/NDF:40.8/44

Out: -29.429+/-16.652 χ^2/NDF:68.7/51

All: -1.550+/-12.100 χ^2/NDF: 115.5/96

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 96.094+/-0.022 χ^2/NDF: 631689.0/21

Left Out: 87.625+/-0.015 χ^2/NDF:554690.7/24

Right Out: 96.150+/-0.020 χ^2/NDF: 1123433.8/26

Left In: 88.032+/-0.015 χ^2/NDF:523710.9/22

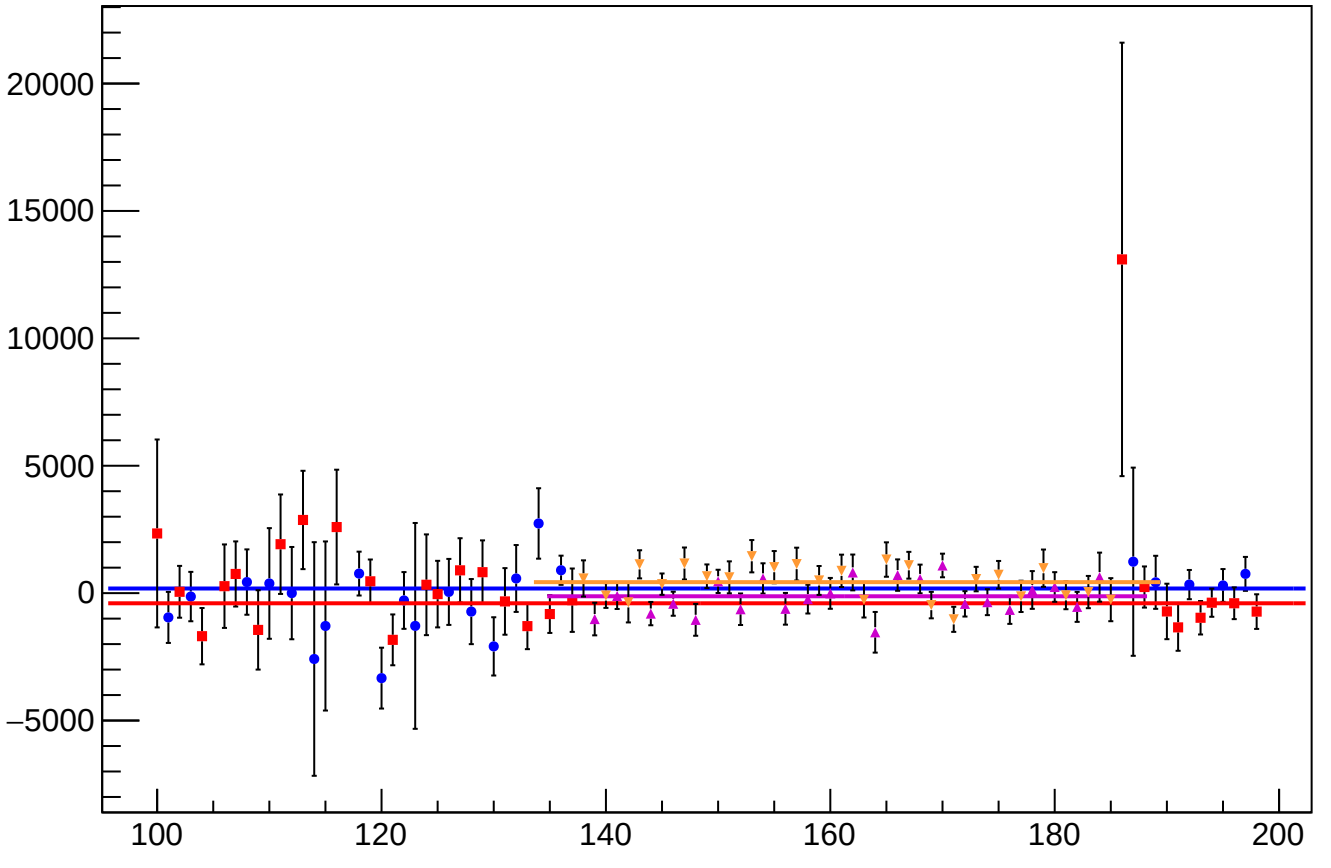
Left: 87.822+/-0.010 χ^2/NDF: 1078779.2/47

Right: 96.125+/-0.015 χ^2/NDF: 1755126.3/48

In: 90.566+/-0.012 χ^2/NDF:1245695.5/44

Out: 90.569+/-0.012 χ^2/NDF:1796612.9/51

All: 90.568+/-0.009 χ^2/NDF: 3042308.4/96



Right In: 181.886+/-217.801 χ^2/NDF: 22.0/21

Left Out: 431.658+/-115.706 χ^2/NDF:30.5/24

Right Out: -398.257+/-193.686 χ^2/NDF: 21.5/26

Left In: -123.017+/-118.849 χ^2/NDF:29.3/22

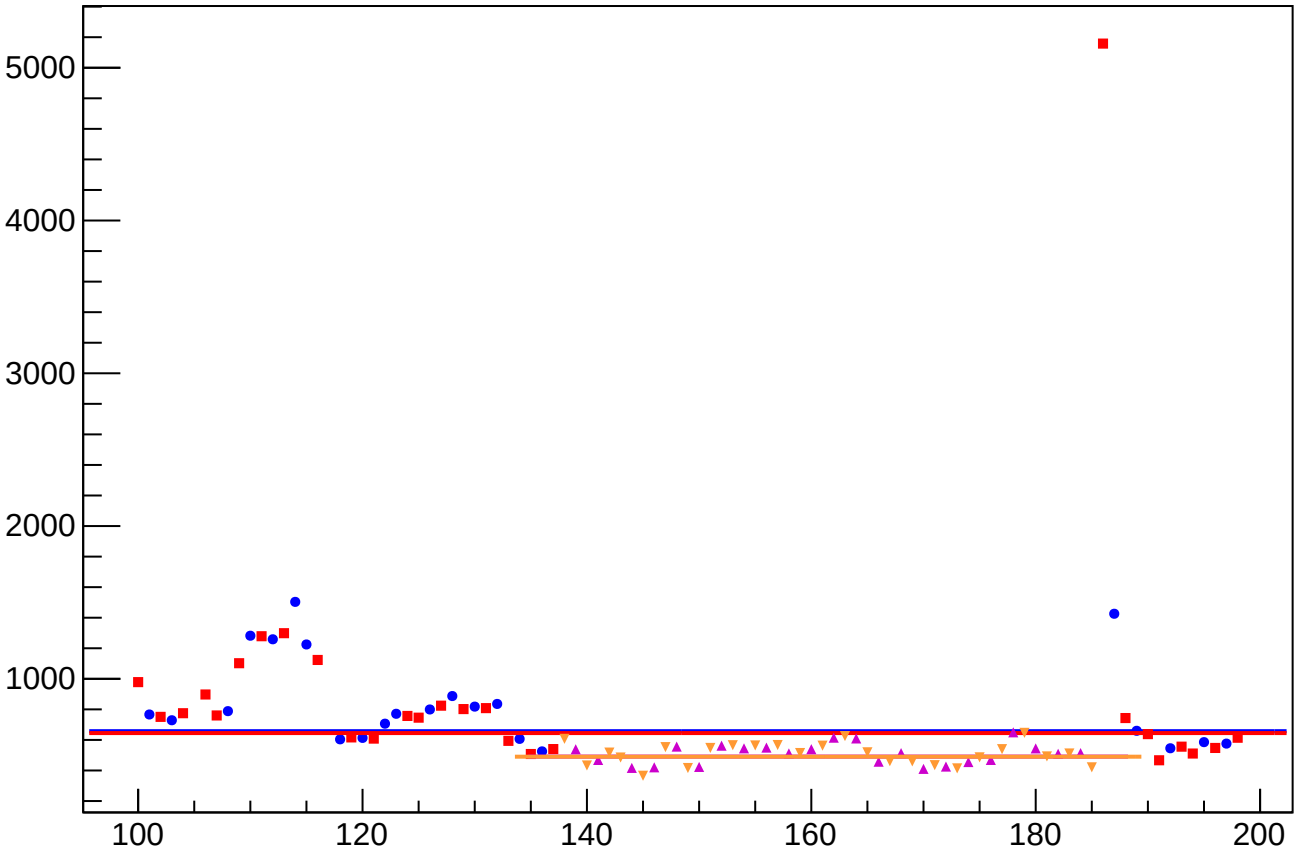
Left: 161.753+/-82.905 χ^2/NDF: 70.9/47

Right: -142.068+/-144.735 χ^2/NDF: 47.4/48

In: -53.059+/-104.327 χ^2/NDF:52.7/44

Out: 213.382+/-99.331 χ^2/NDF:65.5/51

All: 86.694+/-71.939 χ^2/NDF: 121.6/96



Right In: 657.280+/-0.154 χ^2/NDF: 1076602.5/21

Left Out: 490.267+/-0.082 χ^2/NDF:750277.0/24

Right Out: 644.873+/-0.137 χ^2/NDF: 1923480.0/26

Left In: 490.910+/-0.084 χ^2/NDF:589235.5/22

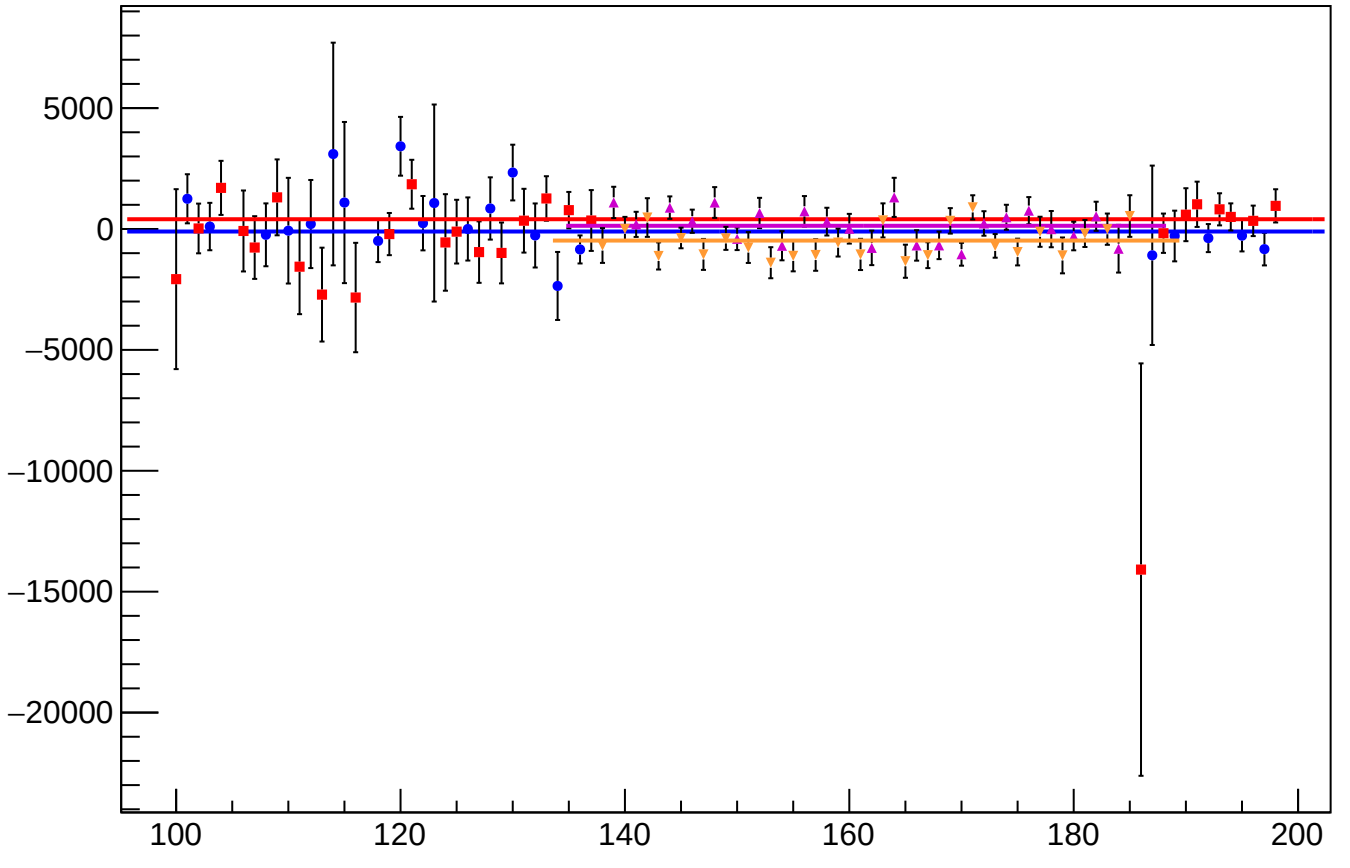
Left: 490.580+/-0.059 χ^2/NDF: 1339542.5/47

Right: 650.351+/-0.102 χ^2/NDF: 3003706.5/48

In: 529.082+/-0.074 χ^2/NDF:2565055.2/44

Out: 530.930+/-0.070 χ^2/NDF:3612929.2/51

All: 530.051+/-0.051 χ^2/NDF: 6178313.4/96



Right In: -104.464+/-220.327 χ^2/NDF: 22.1/21

Left Out: -478.197+/-117.659 χ^2/NDF:27.8/24

Right Out: 403.877+/-196.092 χ^2/NDF: 20.1/26

Left In: 132.543+/-120.866 χ^2/NDF:29.5/22

Left: -181.037+/-84.308 χ^2/NDF: 70.5/47

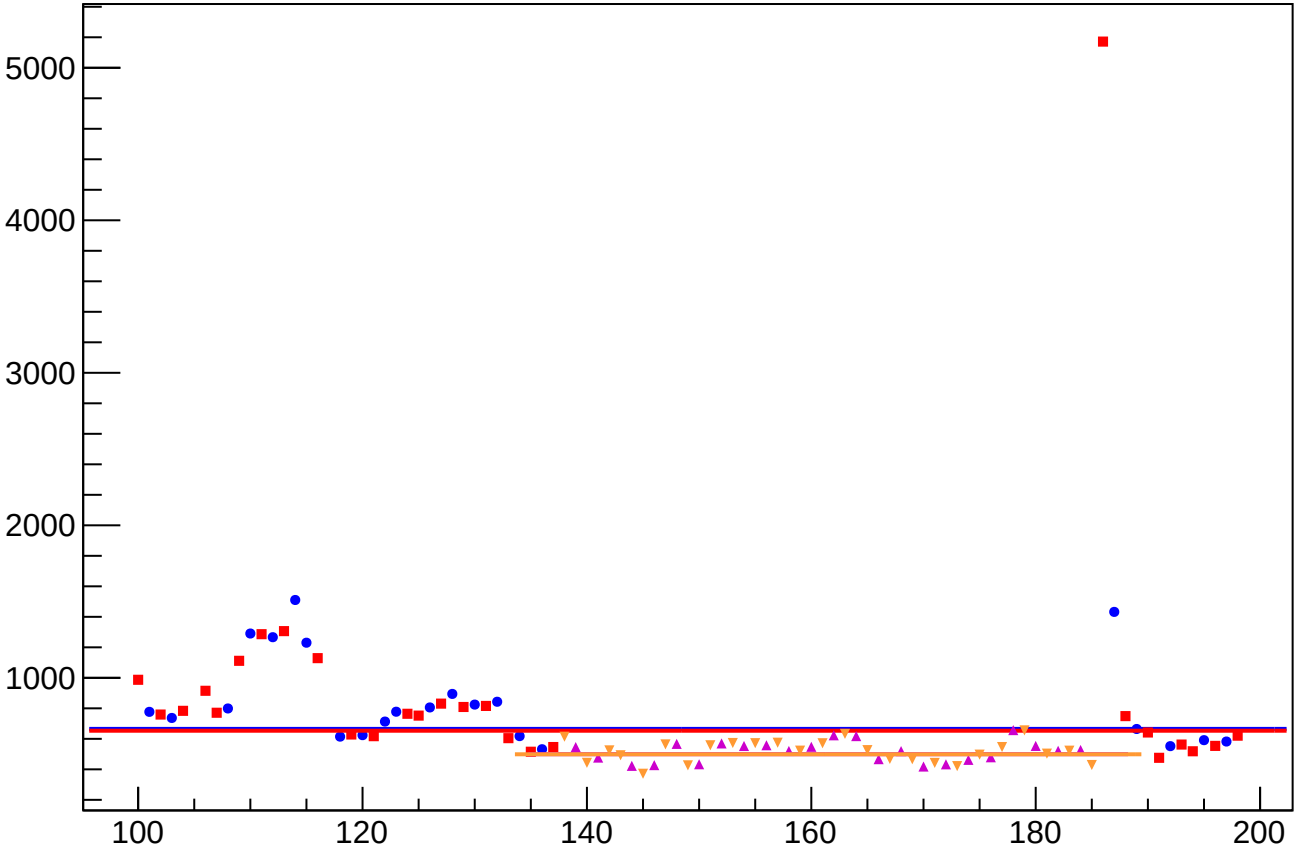
Right: 179.192+/-146.480 χ^2/NDF: 45.2/48

In: 77.718+/-105.968 χ^2/NDF:52.5/44

Out: -244.696+/-100.891 χ^2/NDF:62.8/51

All: -91.398+/-73.070 χ^2/NDF: 120.2/96

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 665.206+/-0.156 χ^2/NDF: 1063346.7/21

Left Out: 498.754+/-0.083 χ^2/NDF:734302.8/24

Right Out: 653.259+/-0.139 χ^2/NDF: 1900712.7/26

Left In: 499.393+/-0.085 χ^2/NDF:576539.2/22

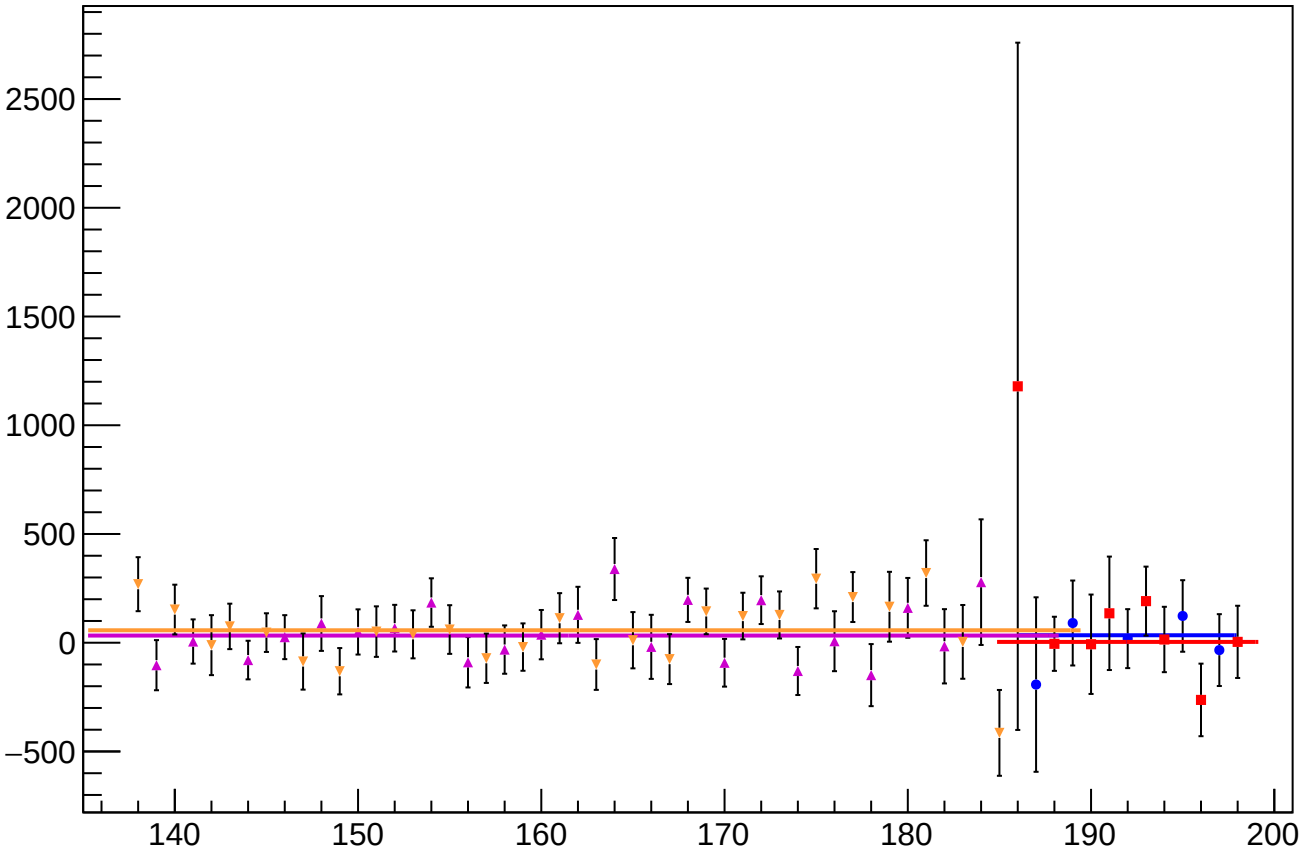
Left: 499.065+/-0.060 χ^2/NDF: 1310870.7/47

Right: 658.539+/-0.104 χ^2/NDF: 2967340.9/48

In: 537.749+/-0.075 χ^2/NDF:2510600.0/44

Out: 539.654+/-0.071 χ^2/NDF:3547962.7/51

All: 538.749+/-0.052 χ^2/NDF: 6058901.8/96



Right In: 34.345+/-78.946 χ^2/NDF: 0.9/4

Left Out: 57.211+/-23.714 χ^2/NDF:29.2/24

Right Out: 3.757+/-62.618 χ^2/NDF: 4.8/7

Left In: 32.948+/-24.587 χ^2/NDF:23.6/22

Left: 45.518+/-17.069 χ^2/NDF: 53.3/47

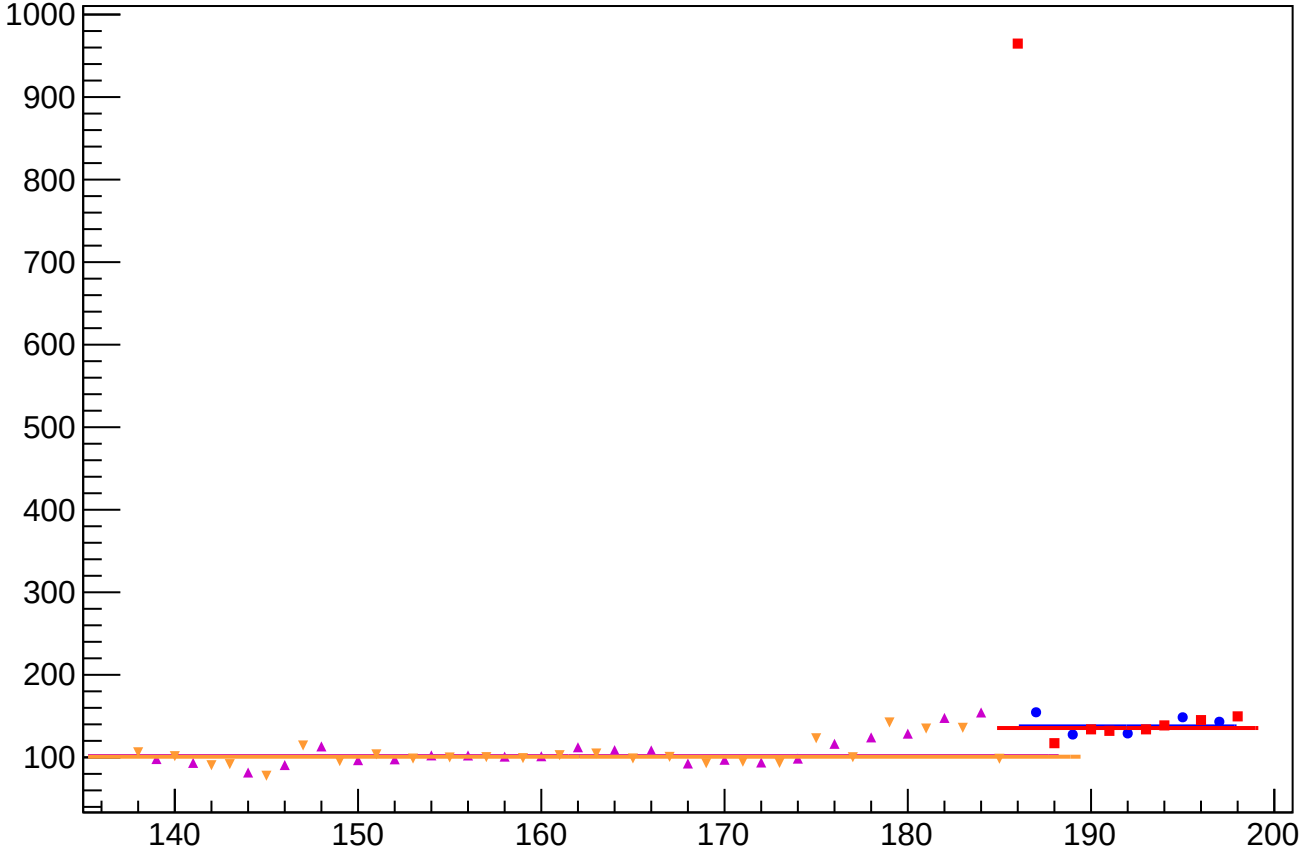
Right: 15.569+/-49.059 χ^2/NDF: 5.7/12

In: 33.072+/-23.475 χ^2/NDF:24.5/27

Out: 50.506+/-22.177 χ^2/NDF:34.6/32

All: 42.284+/-16.121 χ^2/NDF: 59.4/60

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 137.512+/-0.056 χ^2/NDF: 27956.7/4

Left Out: 100.801+/-0.017 χ^2/NDF:600502.4/24

Right Out: 135.550+/-0.044 χ^2/NDF: 616954.6/7

Left In: 101.622+/-0.017 χ^2/NDF:582329.3/22

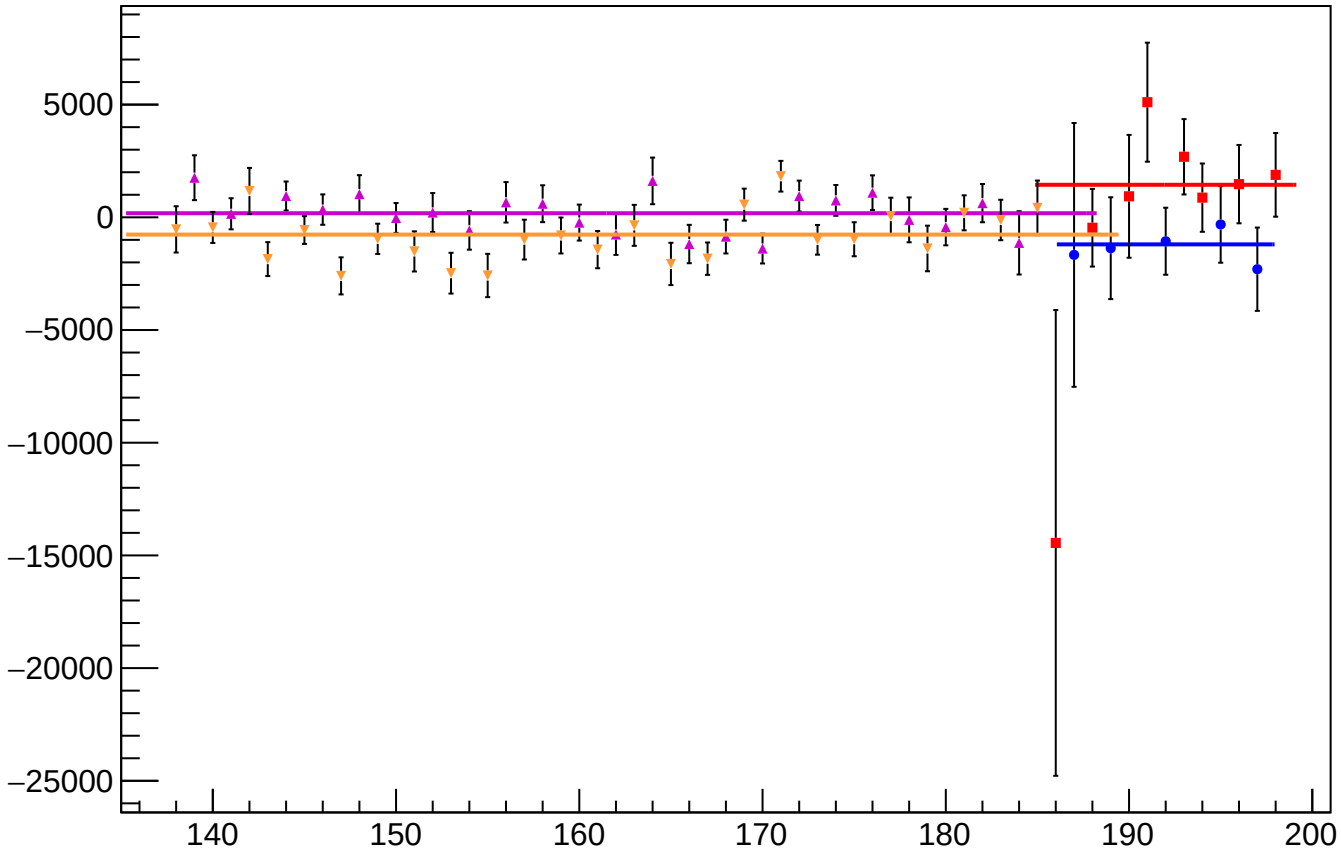
Left: 101.196+/-0.012 χ^2/NDF: 1183987.6/47

Right: 136.308+/-0.035 χ^2/NDF: 645669.0/12

In: 104.795+/-0.017 χ^2/NDF:987080.1/27

Out: 105.159+/-0.016 χ^2/NDF:1756141.3/32

All: 104.987+/-0.011 χ^2/NDF: 2743475.6/60



Right In: -1200.330+/-871.531 χ^2/NDF: 0.6/4

Left Out: -766.358+/-161.066 χ^2/NDF:46.5/24

Right Out: 1442.850+/-700.252 χ^2/NDF: 6.3/7

Left In: 181.584+/-165.671 χ^2/NDF:25.0/22

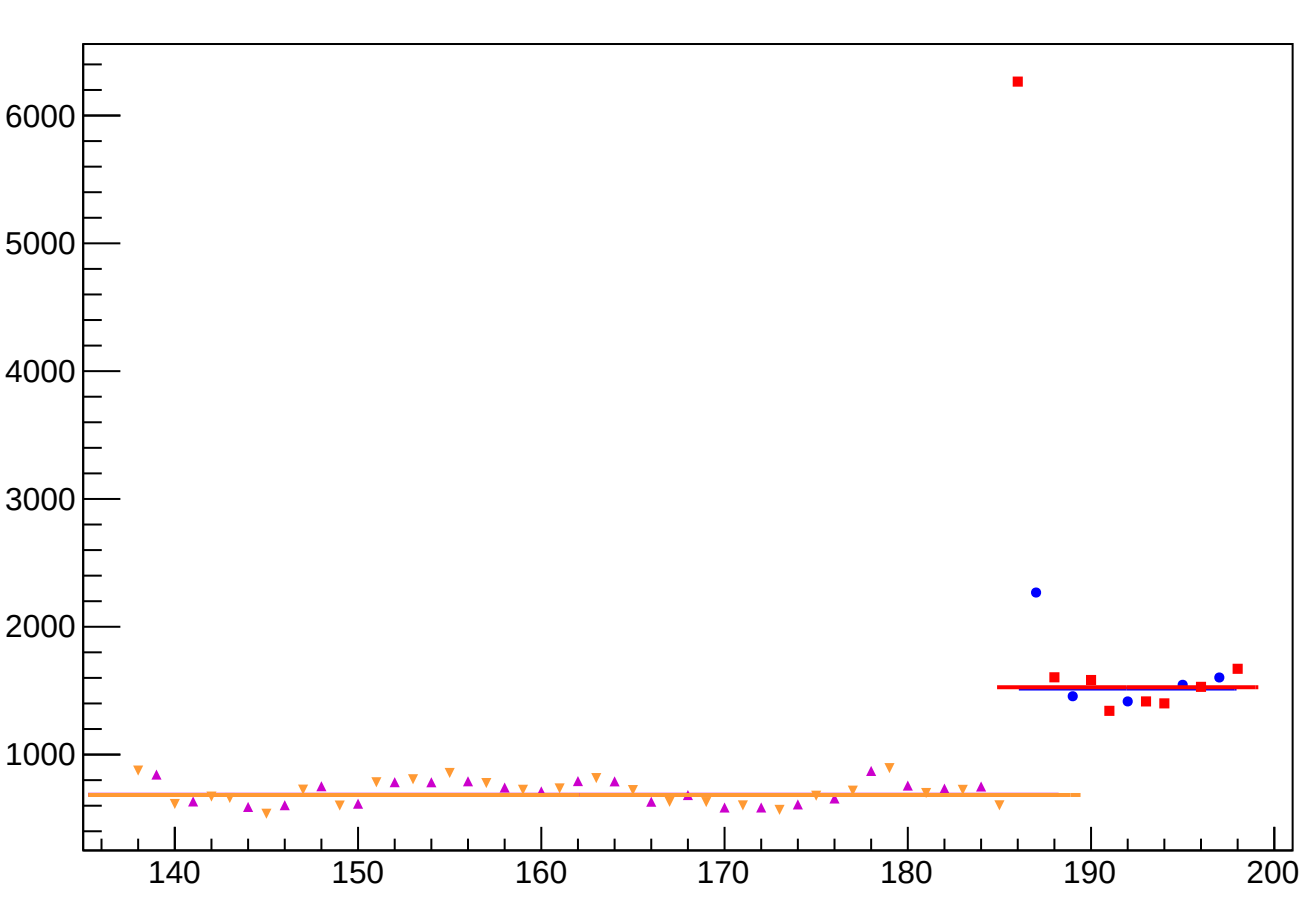
Left: -305.743+/-115.485 χ^2/NDF: 88.4/47

Right: 405.911+/-545.879 χ^2/NDF: 12.5/12

In: 133.390+/-162.756 χ^2/NDF:28.1/27

Out: -655.351+/-156.968 χ^2/NDF:62.3/32

All: -275.257+/-112.984 χ^2/NDF: 102.5/60



Right In: 1516.747+/-0.616 χ^2/NDF: 48520.1/4

Left Out: 683.884+/-0.114 χ^2/NDF:667158.2/24

Right Out: 1526.864+/-0.495 χ^2/NDF: 470240.4/7

Left In: 685.593+/-0.117 χ^2/NDF:529353.6/22

Left: 684.715+/-0.082 χ^2/NDF: 1196621.1/47

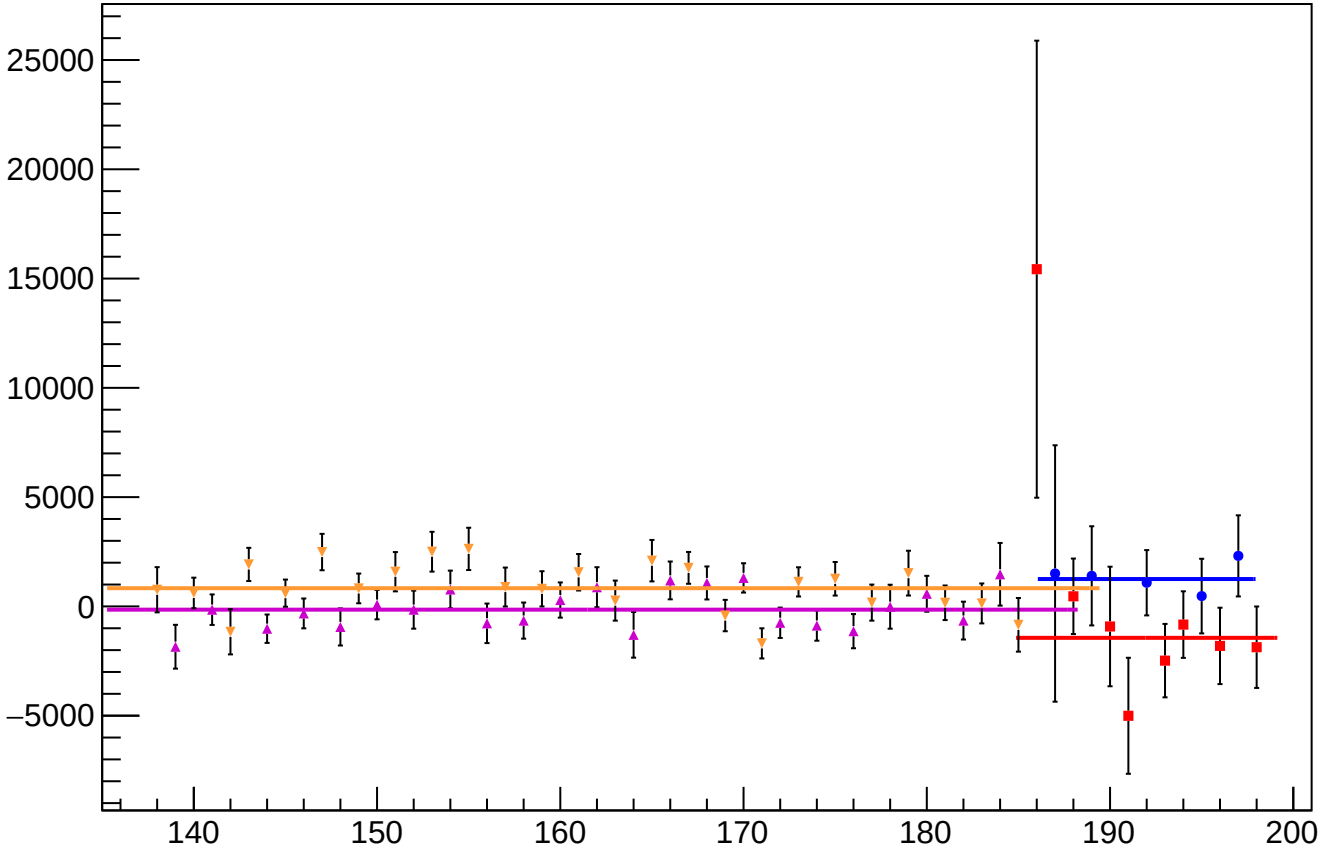
Right: 1522.895+/-0.386 χ^2/NDF: 518924.3/12

In: 714.579+/-0.115 χ^2/NDF:2333415.3/27

Out: 726.242+/-0.111 χ^2/NDF:3890142.6/32

All: 720.621+/-0.080 χ^2/NDF: 6228878.5/60

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1252.123+/-875.297 χ^2/NDF: 0.6/4

Left Out: 833.395+/-162.965 χ^2/NDF:43.2/24

Right Out: -1437.686+/-703.380 χ^2/NDF: 6.3/7

Left In: -148.814+/-167.644 χ^2/NDF:26.0/22

Left: 356.189+/-116.853 χ^2/NDF: 86.9/47

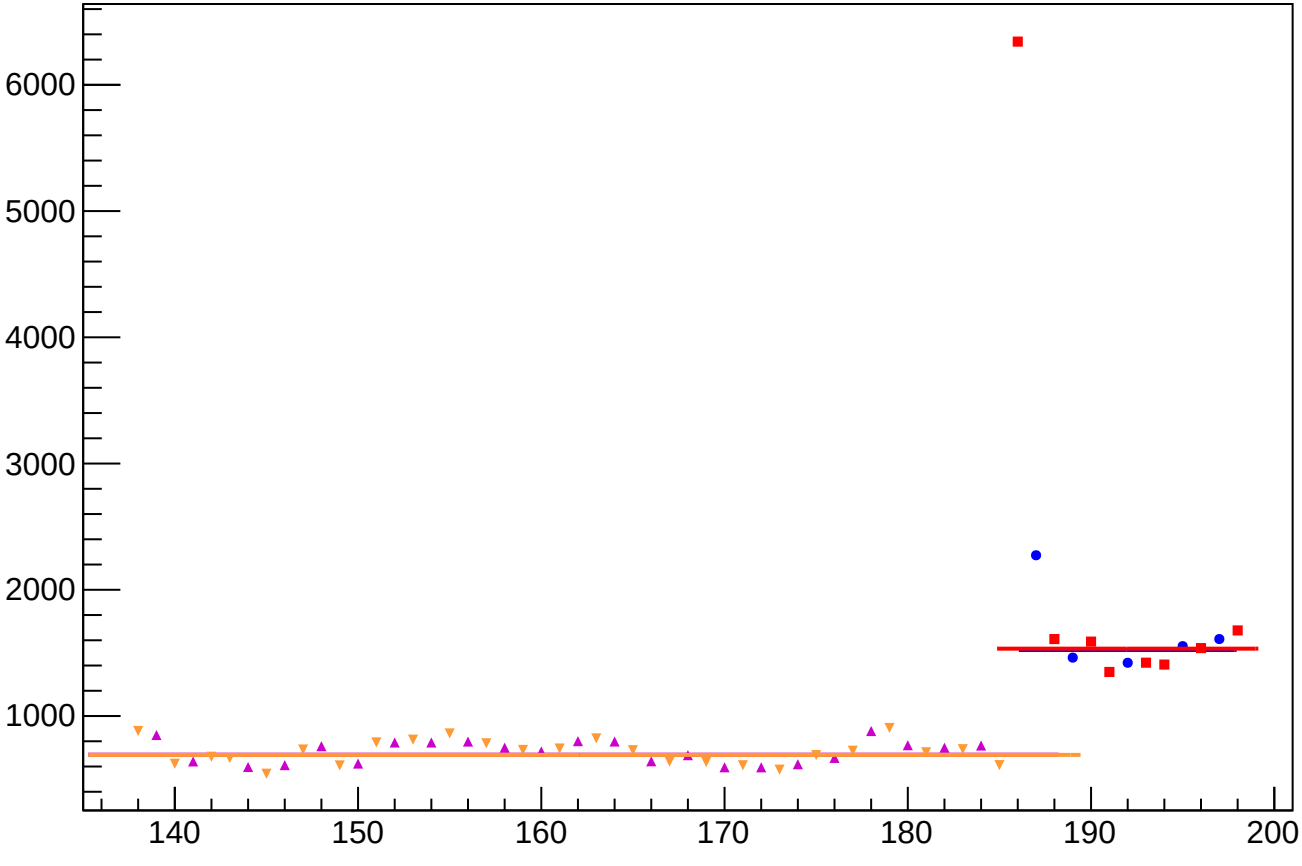
Right: -382.267+/-548.286 χ^2/NDF: 12.6/12

In: -99.242+/-164.651 χ^2/NDF:29.1/27

Out: 717.695+/-158.760 χ^2/NDF:59.4/32

All: 324.104+/-114.286 χ^2/NDF: 101.2/60

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1523.353+/-0.619 χ^2/NDF: 48340.3/4

Left Out: 692.097+/-0.115 χ^2/NDF:657259.6/24

Right Out: 1533.641+/-0.497 χ^2/NDF: 471912.1/7

Left In: 693.867+/-0.119 χ^2/NDF:522053.5/22

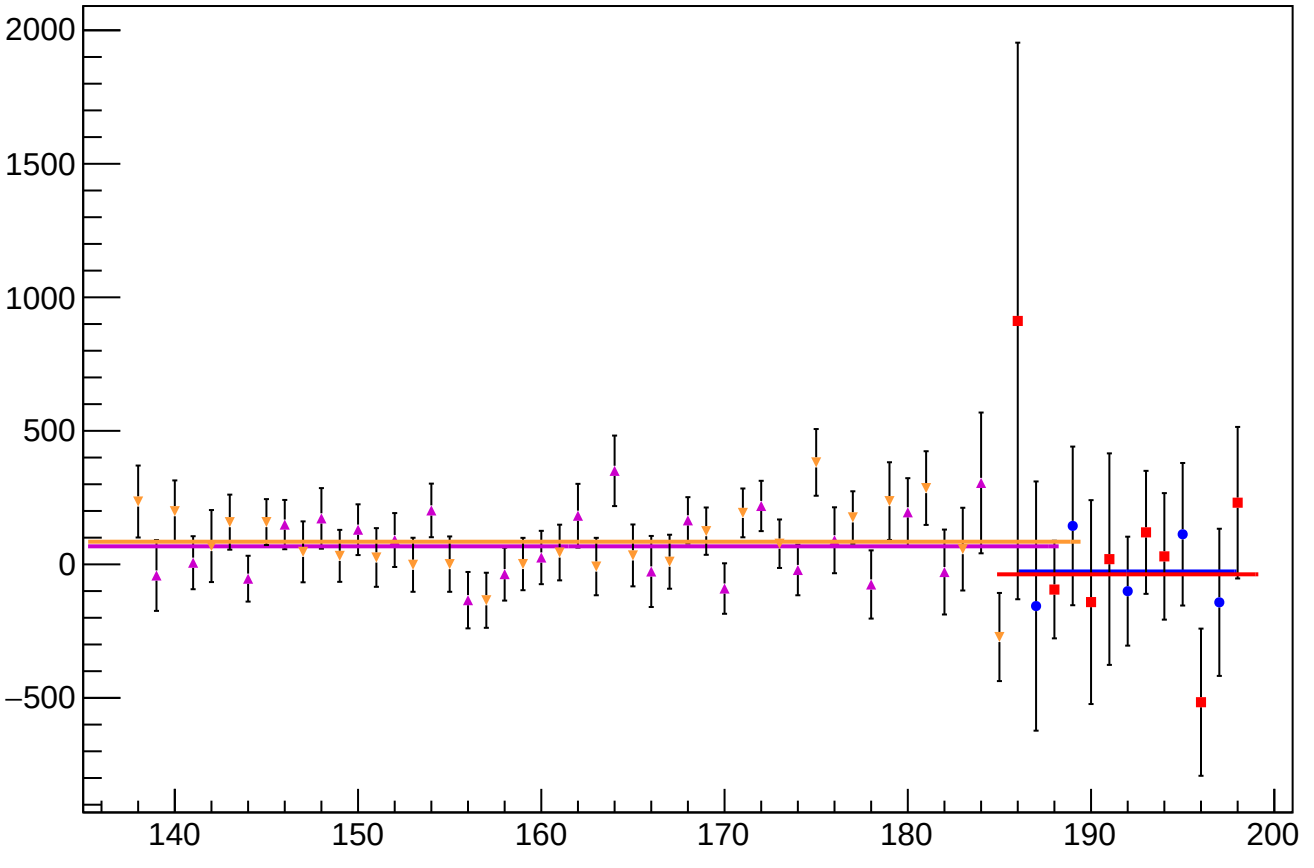
Left: 692.957+/-0.083 χ^2/NDF: 1179427.7/47

Right: 1529.604+/-0.388 χ^2/NDF: 520420.3/12

In: 723.218+/-0.116 χ^2/NDF:2302966.9/27

Out: 734.969+/-0.112 χ^2/NDF:3846208.4/32

All: 729.308+/-0.081 χ^2/NDF: 6154454.0/60



Right In: -26.583+/-122.019 χ^2/NDF: 1.0/4

Left Out: 84.860+/-21.643 χ^2/NDF:28.5/24

Right Out: -37.268+/-96.964 χ^2/NDF: 5.5/7

Left In: 67.552+/-22.449 χ^2/NDF:28.9/22

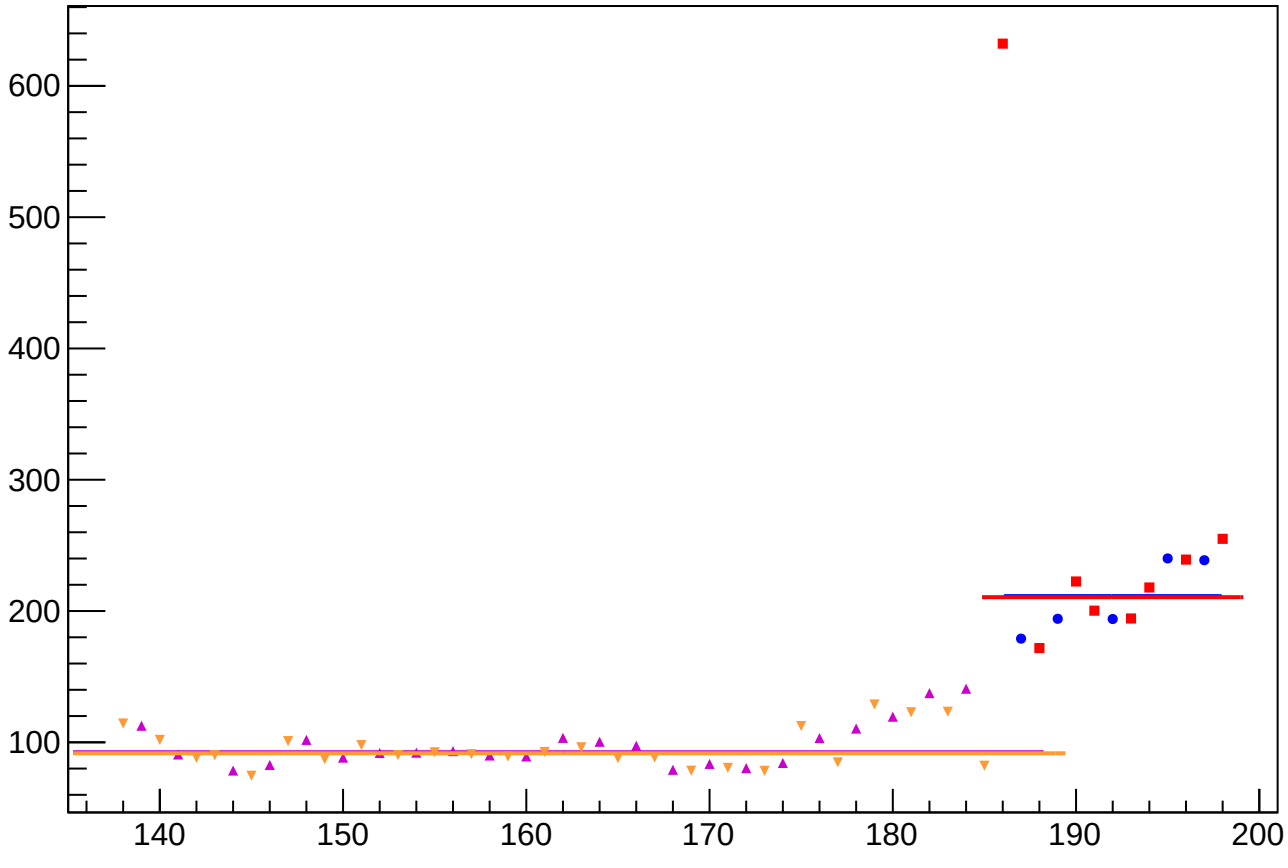
Left: 76.522+/-15.581 χ^2/NDF: 57.7/47

Right: -33.132+/-75.913 χ^2/NDF: 6.5/12

In: 64.470+/-22.079 χ^2/NDF:30.4/27

Out: 79.064+/-21.123 χ^2/NDF:35.5/32

All: 72.090+/-15.263 χ^2/NDF: 66.1/60



Right In: 211.352+/-0.086 χ^2/NDF: 73858.2/4

Left Out: 91.633+/-0.015 χ^2/NDF:693122.0/24

Right Out: 210.548+/-0.069 χ^2/NDF: 503162.0/7

Left In: 92.466+/-0.016 χ^2/NDF:655700.4/22

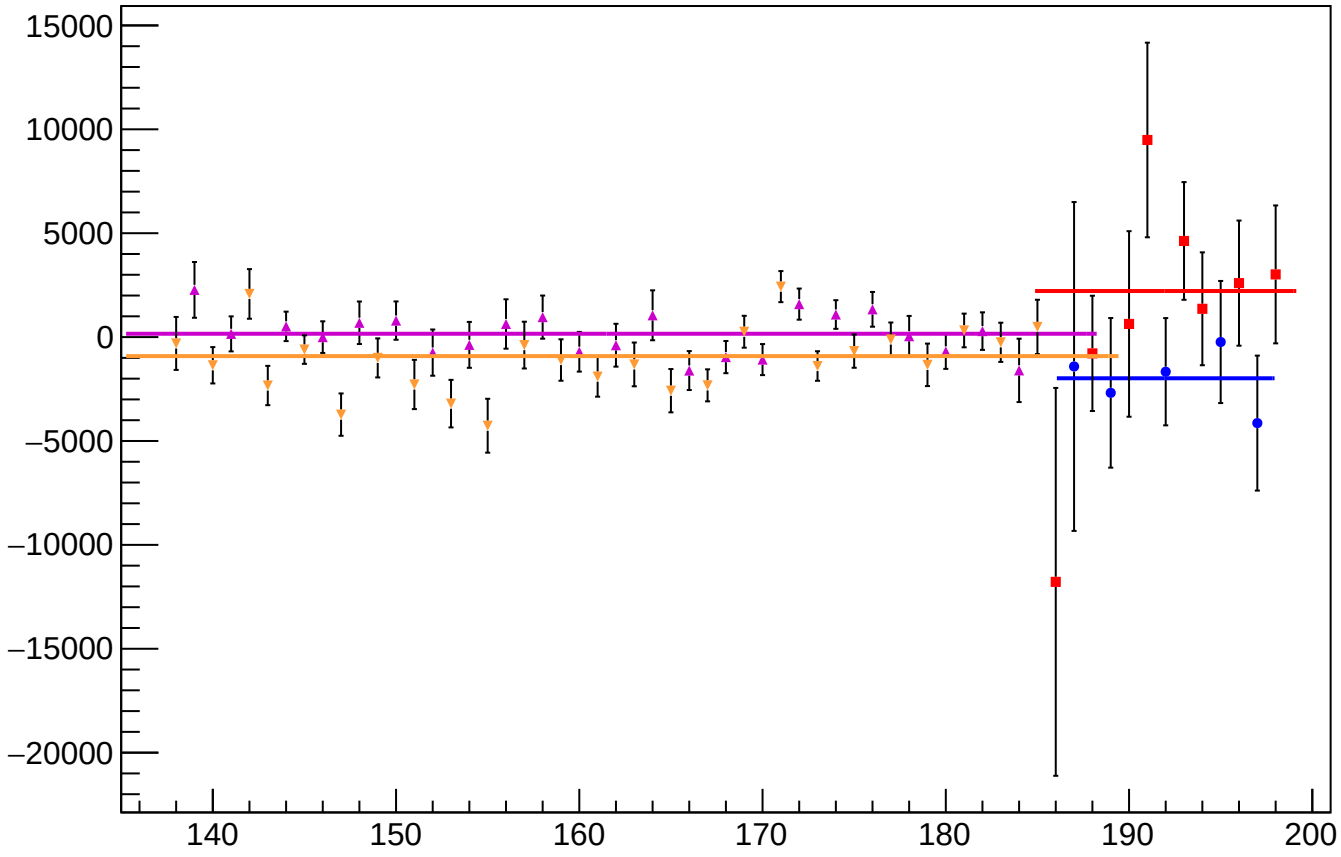
Left: 92.034+/-0.011 χ^2/NDF: 1350250.3/47

Right: 210.859+/-0.054 χ^2/NDF: 577073.4/12

In: 96.358+/-0.016 χ^2/NDF:2566010.9/27

Out: 97.276+/-0.015 χ^2/NDF:4061570.0/32

All: 96.837+/-0.011 χ^2/NDF: 6629384.6/60



Right In: -1981.966+/-1484.564 χ^2/NDF: 0.9/4

Left Out: -914.719+/-185.341 χ^2/NDF:64.2/24

Right Out: 2217.937+/-1196.599 χ^2/NDF: 6.9/7

Left In: 161.076+/-189.491 χ^2/NDF:25.1/22

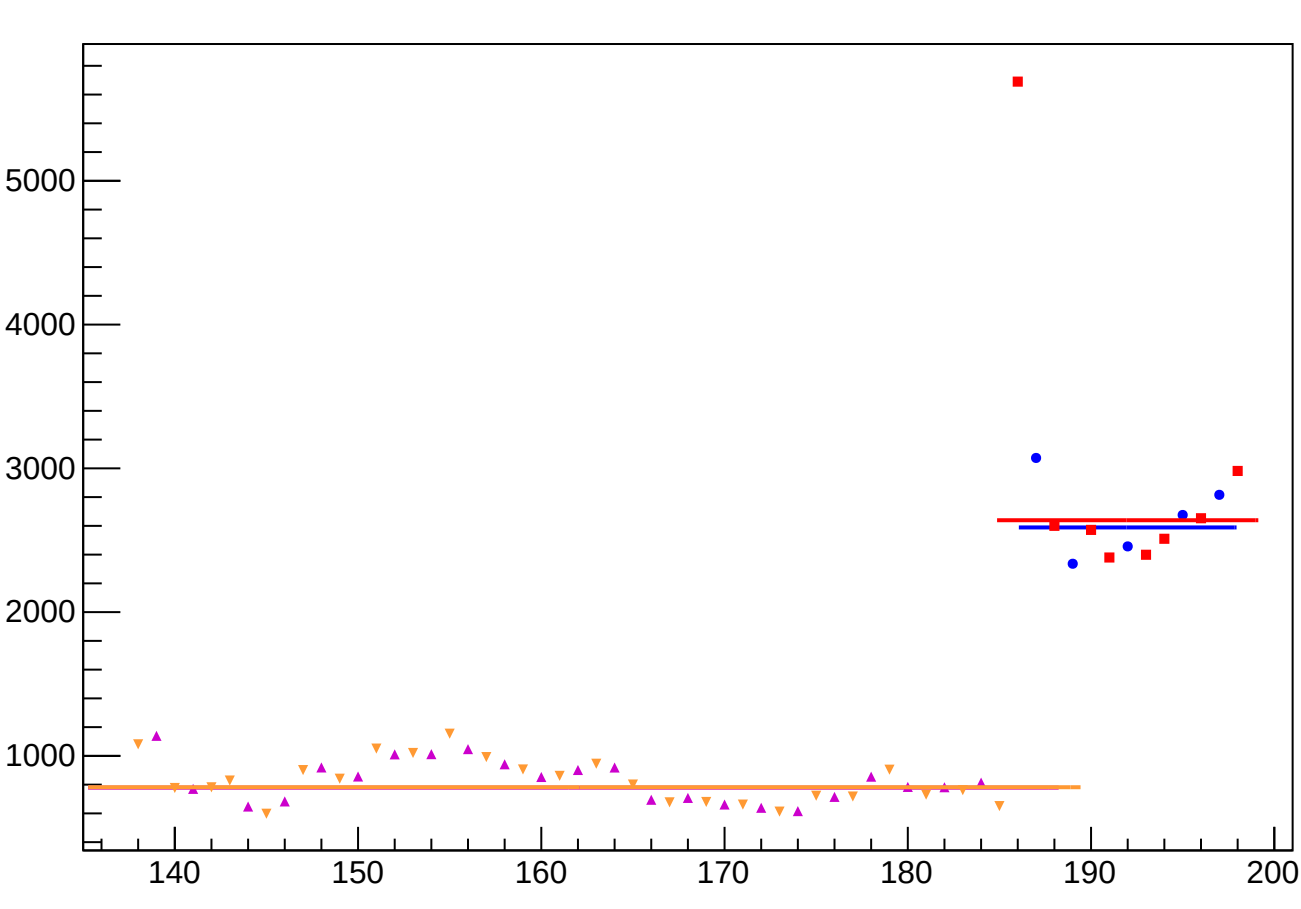
Left: -388.730+/-132.499 χ^2/NDF: 105.7/47

Right: 563.924+/-931.641 χ^2/NDF: 12.6/12

In: 126.721+/-187.966 χ^2/NDF:28.0/27

Out: -841.325+/-183.157 χ^2/NDF:77.7/32

All: -369.843+/-131.179 χ^2/NDF: 119.3/60



Right In: 2589.062+/-1.050 χ^2/NDF: 34021.8/4

Left Out: 782.042+/-0.131 χ^2/NDF:1130984.3/24

Right Out: 2639.157+/-0.846 χ^2/NDF: 260898.8/7

Left In: 778.995+/-0.134 χ^2/NDF:980243.4/22

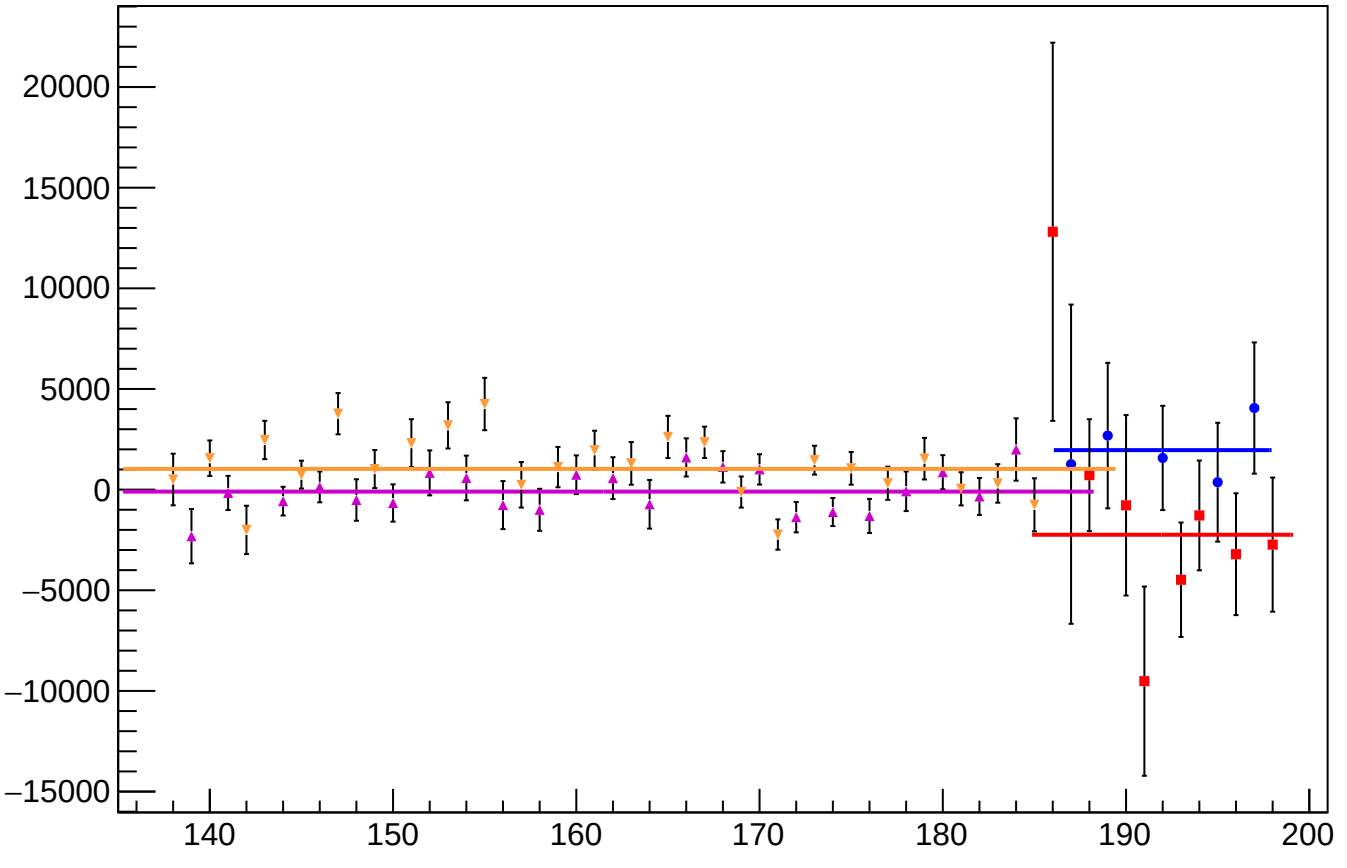
Left: 780.552+/-0.094 χ^2/NDF: 2111492.1/47

Right: 2619.429+/-0.659 χ^2/NDF: 296301.1/12

In: 808.012+/-0.133 χ^2/NDF:3939785.3/27

Out: 825.552+/-0.130 χ^2/NDF:6096394.0/32

All: 817.009+/-0.093 χ^2/NDF: 10045112.6/60



Right In: 1962.108+/-1489.989 χ^2/NDF: 0.8/4

Left Out: 1028.864+/-186.810 χ^2/NDF:60.2/24

Right Out: -2242.741+/-1201.065 χ^2/NDF: 7.1/7

Left In: -98.691+/-191.027 χ^2/NDF:25.4/22

Left: 477.669+/-133.561 χ^2/NDF: 103.3/47

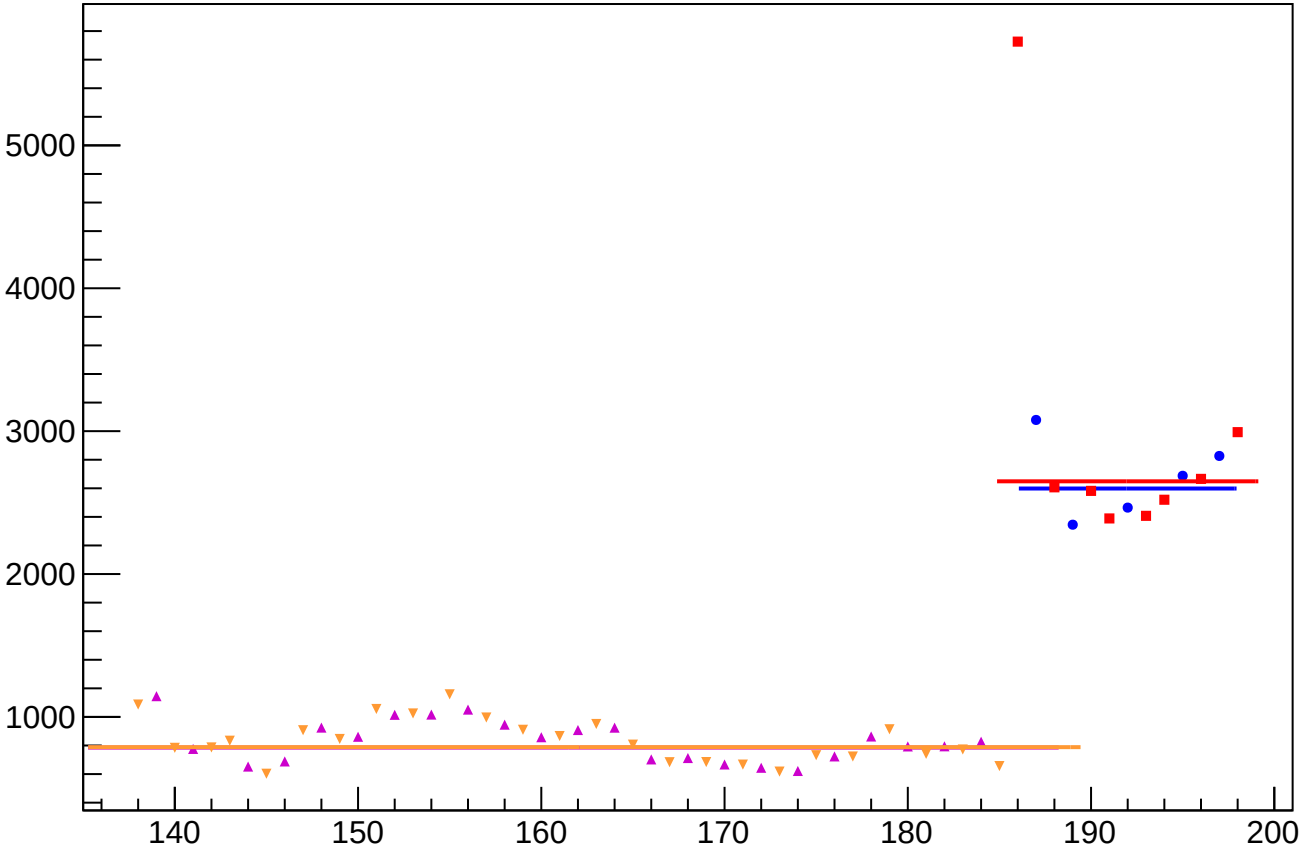
Right: -586.624+/-935.090 χ^2/NDF: 12.7/12

In: -65.365+/-189.476 χ^2/NDF:28.0/27

Out: 951.587+/-184.591 χ^2/NDF:74.5/32

All: 456.390+/-132.219 χ^2/NDF: 117.3/60

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2598.527+/-1.054 χ^2/NDF: 34067.3/4

Left Out: 788.442+/-0.132 χ^2/NDF:1113741.6/24

Right Out: 2648.915+/-0.849 χ^2/NDF: 261966.2/7

Left In: 785.490+/-0.135 χ^2/NDF:965338.9/22

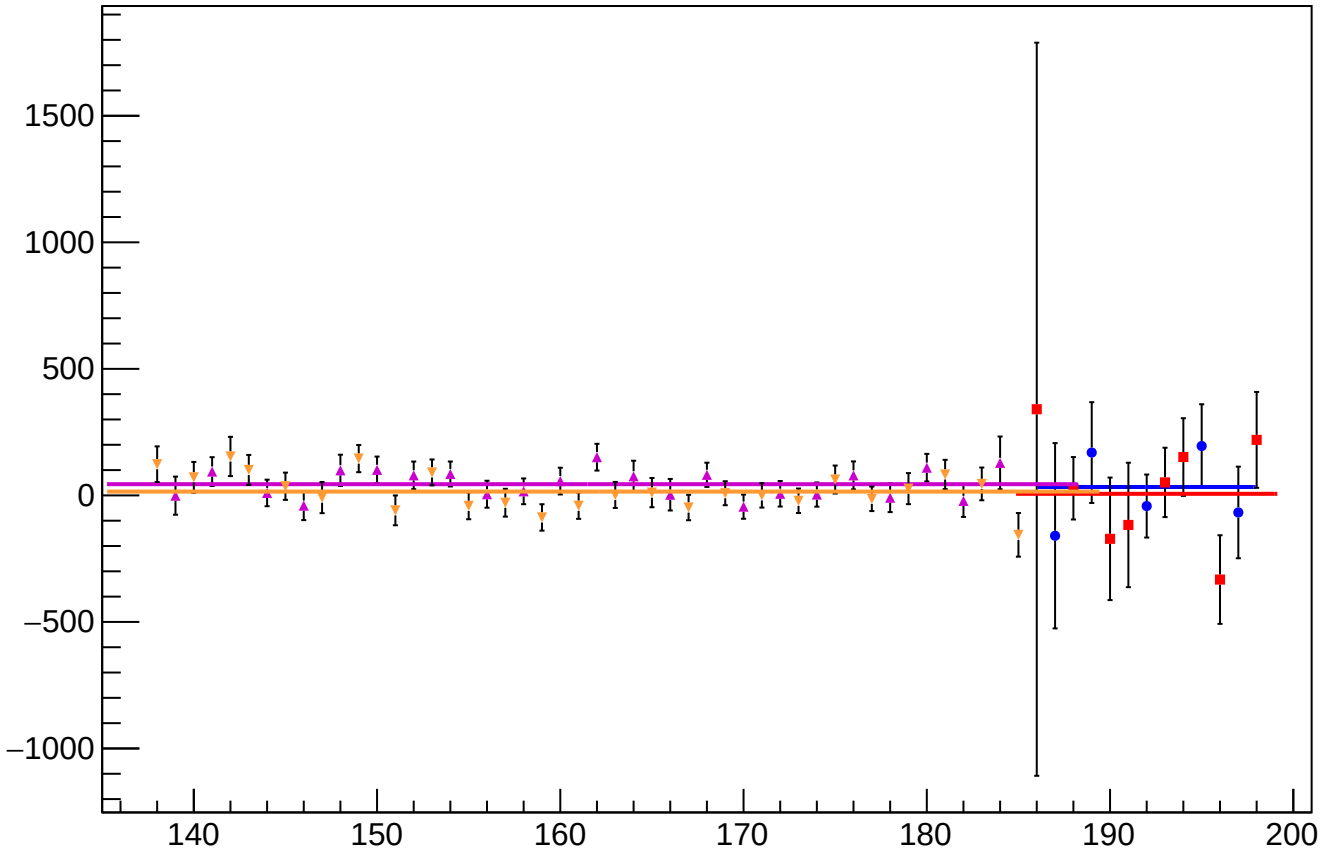
Left: 786.999+/-0.094 χ^2/NDF: 2079324.6/47

Right: 2629.069+/-0.661 χ^2/NDF: 297420.0/12

In: 814.809+/-0.134 χ^2/NDF:3912782.4/27

Out: 832.387+/-0.131 χ^2/NDF:6061280.3/32

All: 823.828+/-0.093 χ^2/NDF: 9982893.6/60



Right In: 33.222+/-77.976 χ^2/NDF: 2.4/4

Left Out: 15.099+/-11.154 χ^2/NDF:34.2/24

Right Out: 6.188+/-62.491 χ^2/NDF: 6.9/7

Left In: 44.297+/-11.530 χ^2/NDF:22.3/22

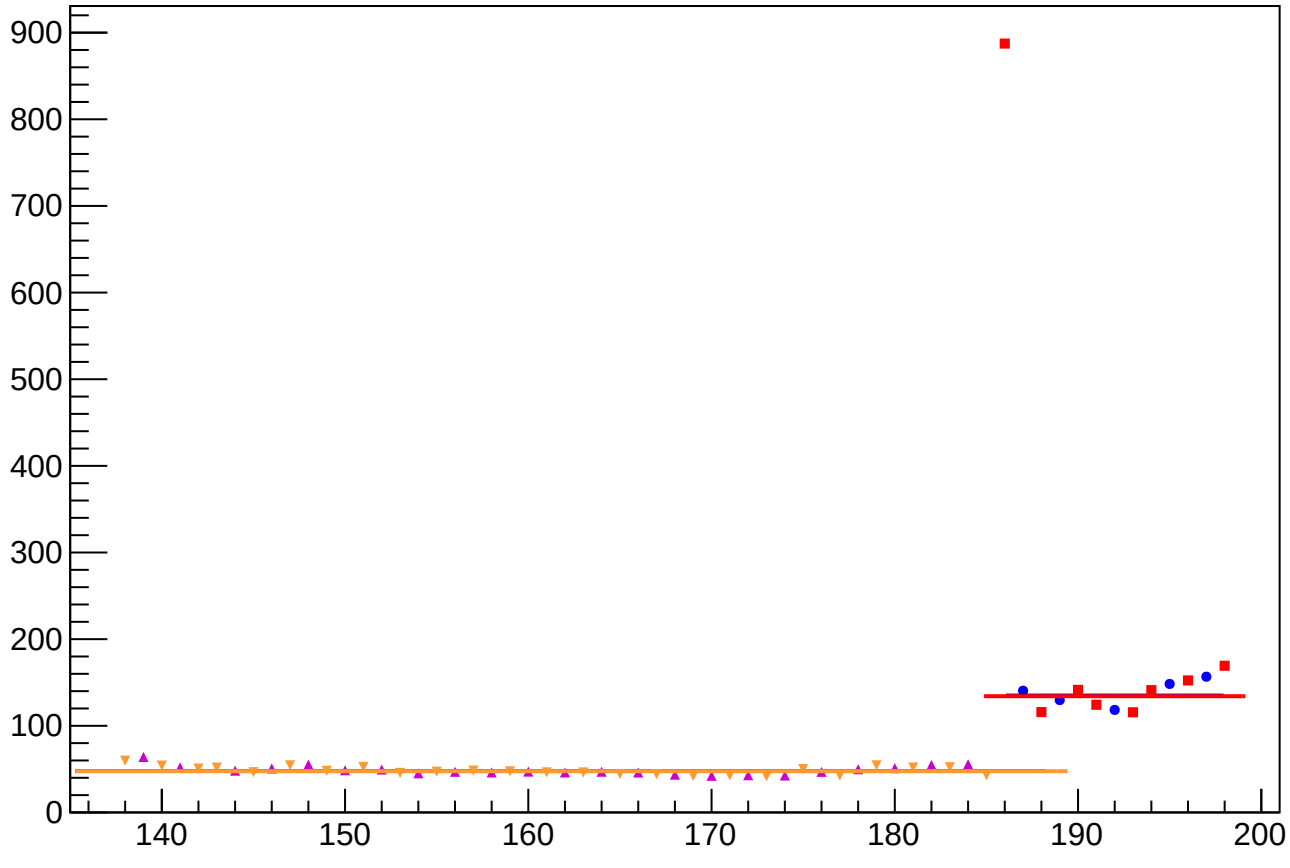
Left: 29.215+/-8.017 χ^2/NDF: 59.8/47

Right: 16.761+/-48.764 χ^2/NDF: 9.3/12

In: 44.060+/-11.406 χ^2/NDF:24.7/27

Out: 14.824+/-10.981 χ^2/NDF:41.1/32

All: 28.887+/-7.911 χ^2/NDF: 69.2/60



Right In: 134.900+/-0.055 χ^2/NDF: 79416.6/4

Left Out: 47.586+/-0.008 χ^2/NDF:312874.8/24

Right Out: 134.145+/-0.044 χ^2/NDF: 721542.0/7

Left In: 47.846+/-0.008 χ^2/NDF:281790.1/22

Left: 47.712+/-0.006 χ^2/NDF: 595189.7/47

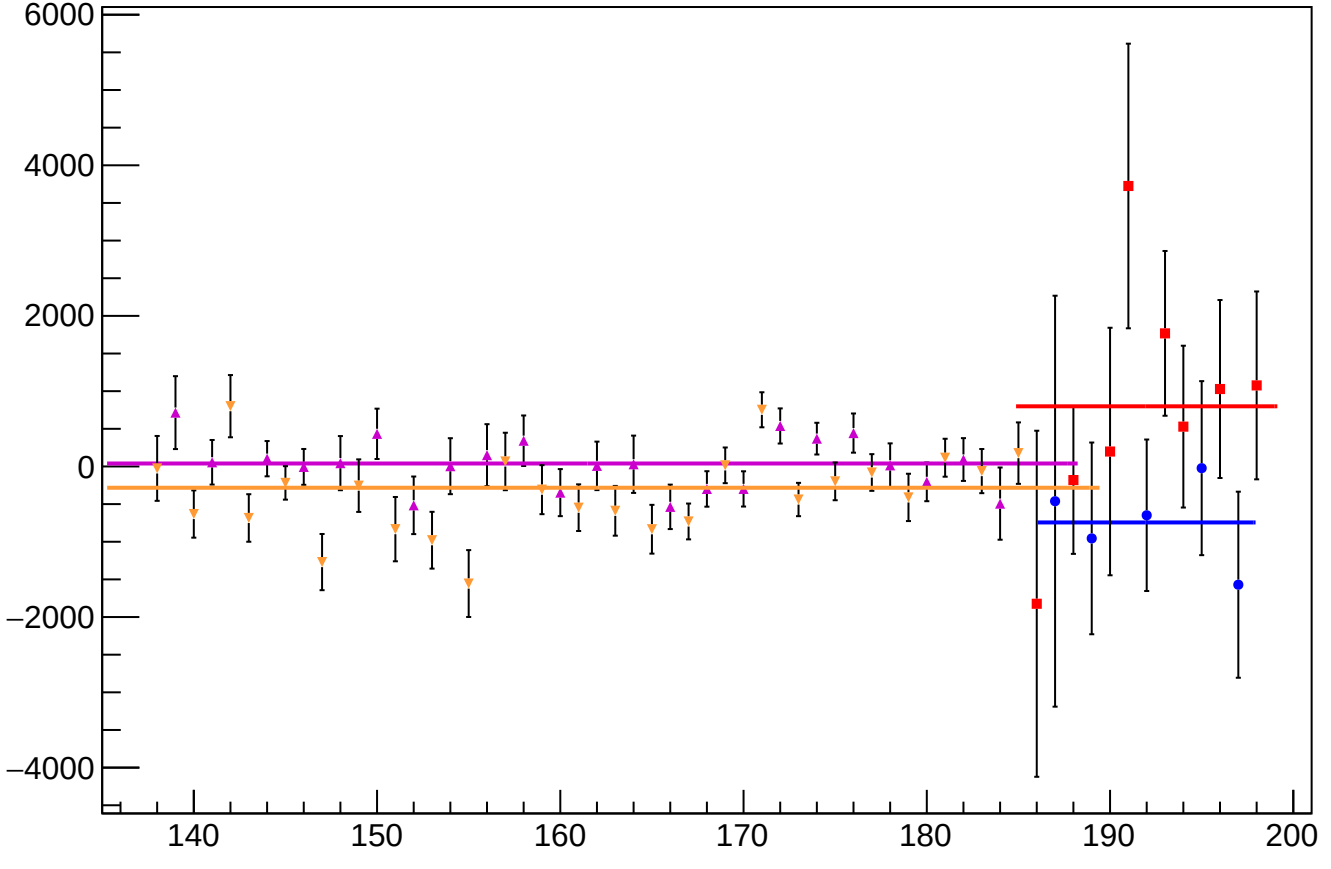
Right: 134.440+/-0.034 χ^2/NDF: 801072.7/12

In: 49.709+/-0.008 χ^2/NDF:2800662.3/27

Out: 50.259+/-0.008 χ^2/NDF:4753151.0/32

All: 49.994+/-0.006 χ^2/NDF: 7556228.7/60

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -743.652+/-564.081 χ^2/NDF: 0.9/4

Left Out: -282.798+/-59.690 χ^2/NDF:66.5/24

Right Out: 798.869+/-449.977 χ^2/NDF: 5.8/7

Left In: 39.432+/-60.759 χ^2/NDF:27.5/22

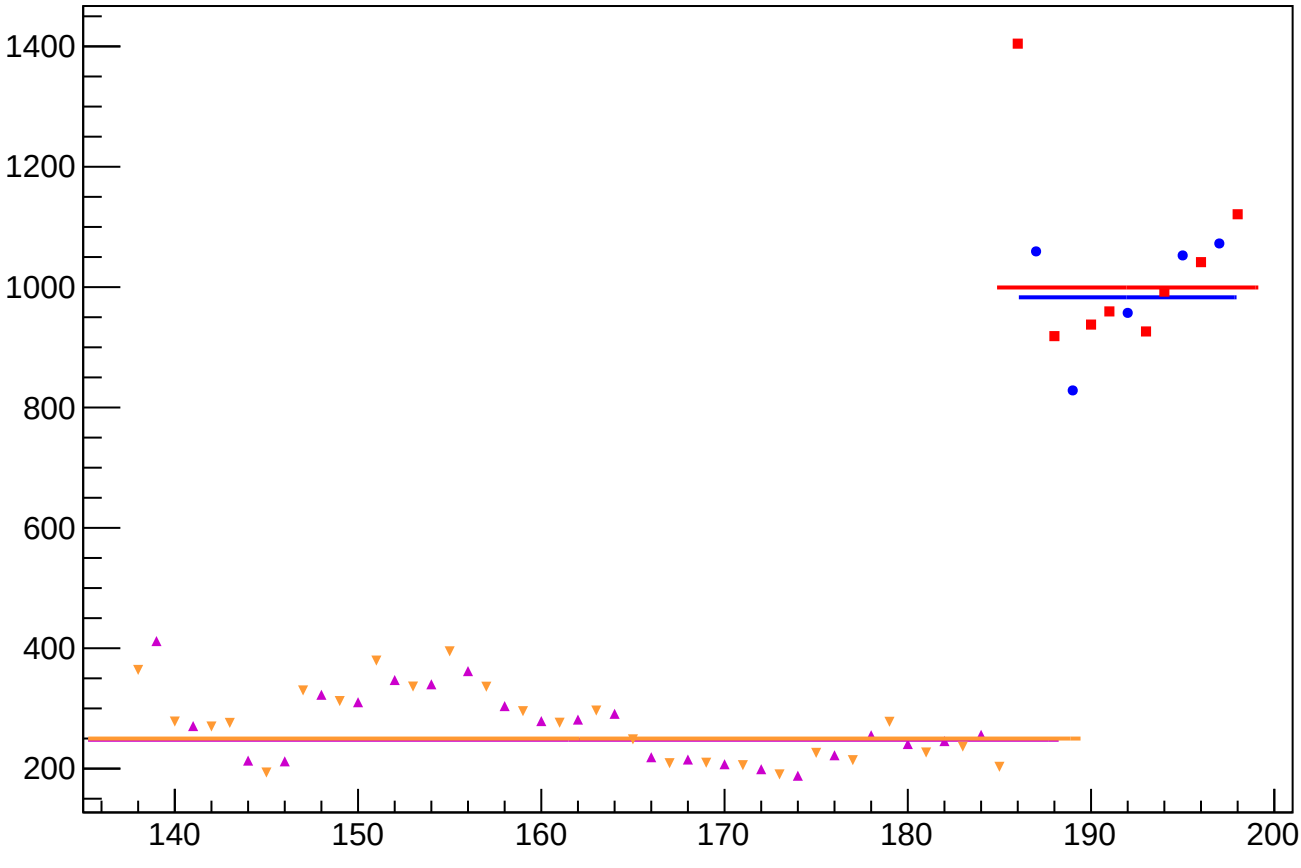
Left: -124.543+/-42.580 χ^2/NDF: 108.4/47

Right: 199.005+/-351.764 χ^2/NDF: 11.2/12

In: 30.451+/-60.409 χ^2/NDF:30.3/27

Out: -264.094+/-59.171 χ^2/NDF:78.0/32

All: -119.871+/-42.271 χ^2/NDF: 120.4/60



Right In: 983.082+/-0.399 χ^2/NDF: 50141.9/4

Left Out: 249.956+/-0.042 χ^2/NDF:1614205.9/24

Right Out: 999.419+/-0.318 χ^2/NDF: 110001.9/7

Left In: 247.917+/-0.043 χ^2/NDF:1410847.5/22

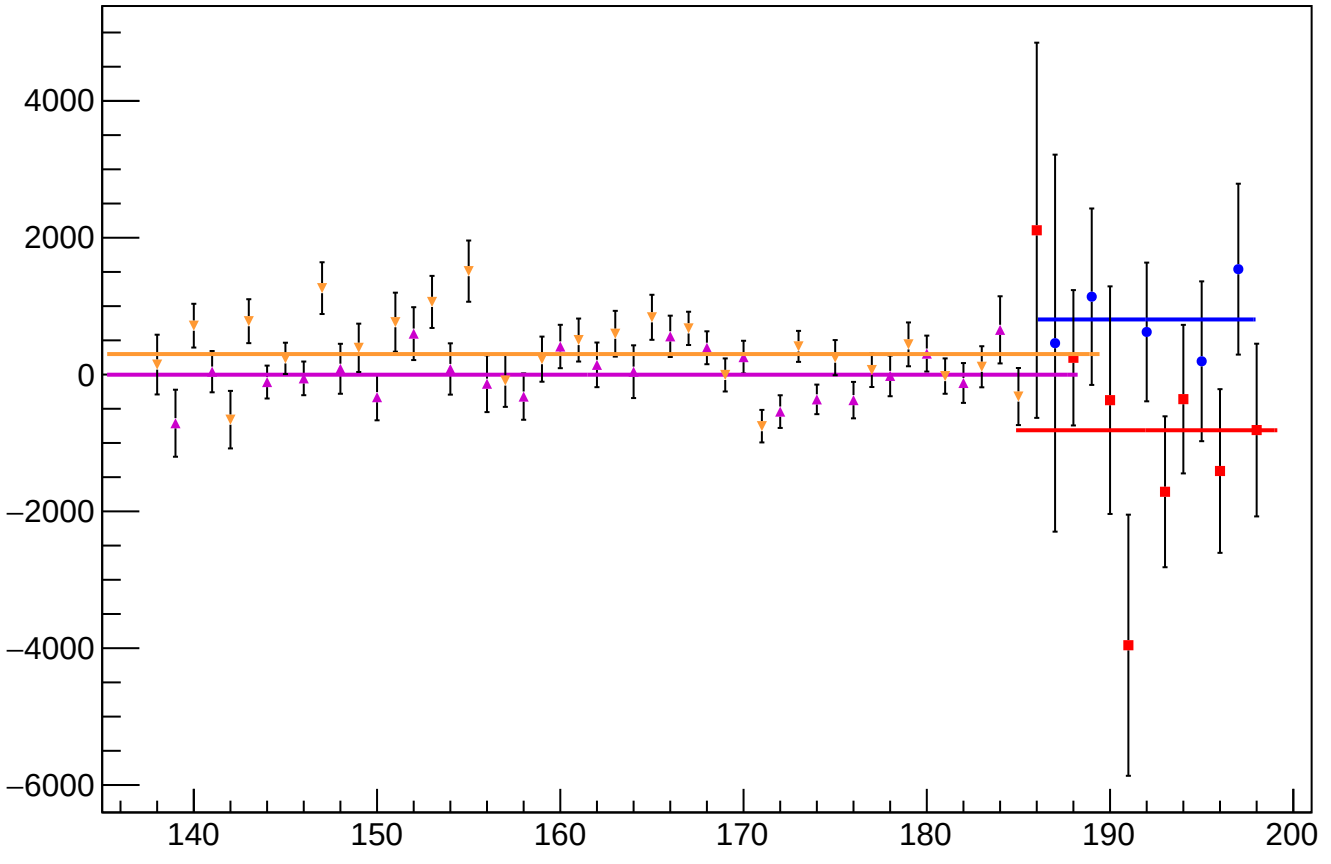
Left: 248.955+/-0.030 χ^2/NDF: 3026200.1/47

Right: 993.066+/-0.249 χ^2/NDF: 161169.0/12

In: 256.349+/-0.043 χ^2/NDF:4819201.5/27

Out: 262.916+/-0.042 χ^2/NDF:7176430.0/32

All: 259.700+/-0.030 χ^2/NDF: 12007695.6/60



Right In: 805.366+/-569.835 χ^2/NDF: 0.7/4

Left Out: 299.562+/-60.860 χ^2/NDF:62.5/24

Right Out: -814.227+/-457.060 χ^2/NDF: 6.2/7

Left In: -2.185+/-62.005 χ^2/NDF:29.2/22

Left: 151.501+/-43.433 χ^2/NDF: 103.7/47

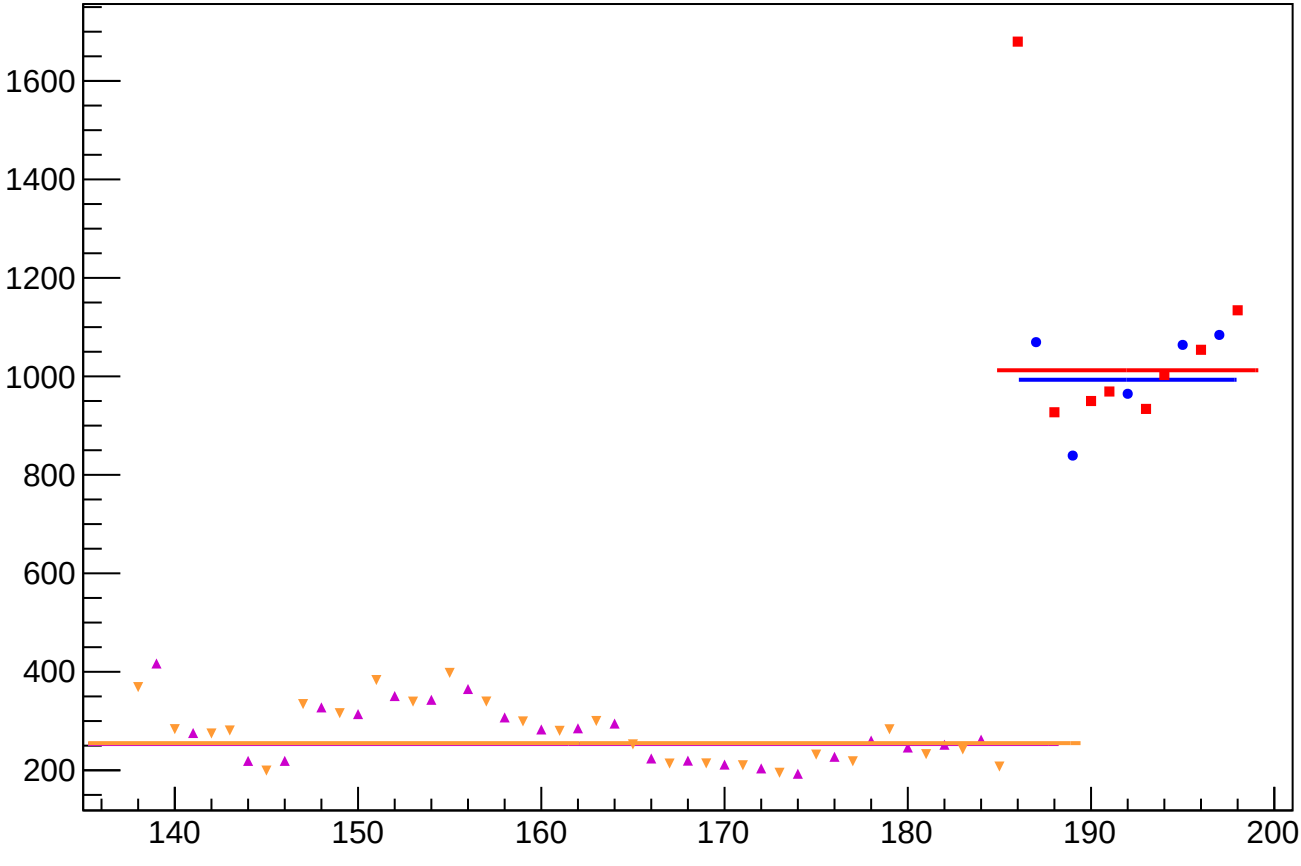
Right: -180.177+/-356.540 χ^2/NDF: 11.8/12

In: 7.264+/-61.641 χ^2/NDF:31.9/27

Out: 280.159+/-60.327 χ^2/NDF:74.5/32

All: 146.650+/-43.115 χ^2/NDF: 116.4/60

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 993.120+/-0.403 χ^2/NDF: 49613.7/4

Left Out: 255.135+/-0.043 χ^2/NDF:1542039.5/24

Right Out: 1012.404+/-0.323 χ^2/NDF: 168494.1/7

Left In: 253.287+/-0.044 χ^2/NDF:1341662.3/22

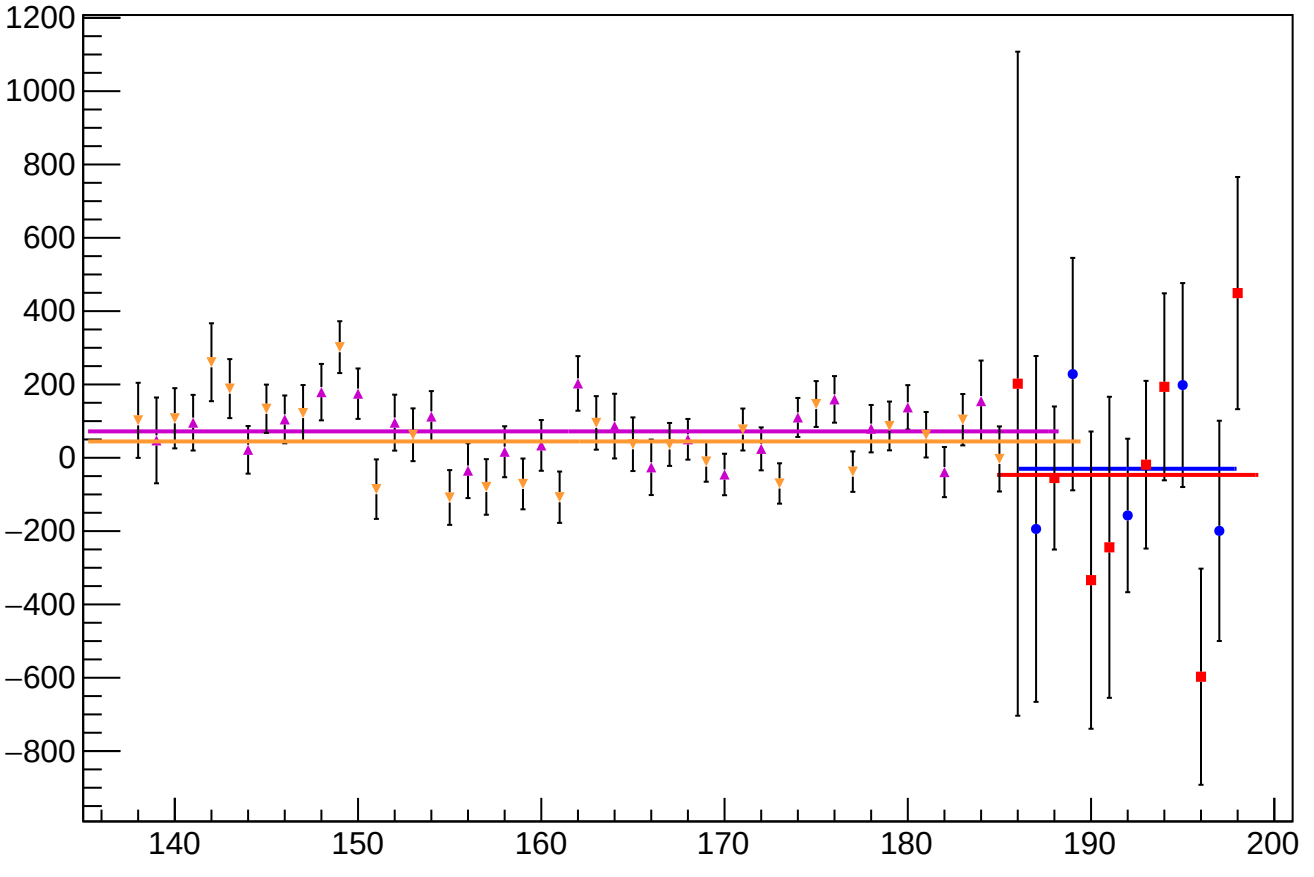
Left: 254.229+/-0.031 χ^2/NDF: 2884606.5/47

Right: 1004.854+/-0.252 χ^2/NDF: 219501.6/12

In: 261.945+/-0.044 χ^2/NDF:4723136.7/27

Out: 268.328+/-0.043 χ^2/NDF:7105031.0/32

All: 265.205+/-0.030 χ^2/NDF: 11839123.0/60



Right In: -29.973+/-127.753 χ^2/NDF: 2.1/4

Left Out: 44.602+/-13.824 χ^2/NDF:53.9/24

Right Out: -46.706+/-102.339 χ^2/NDF: 7.7/7

Left In: 72.037+/-14.296 χ^2/NDF:25.3/22

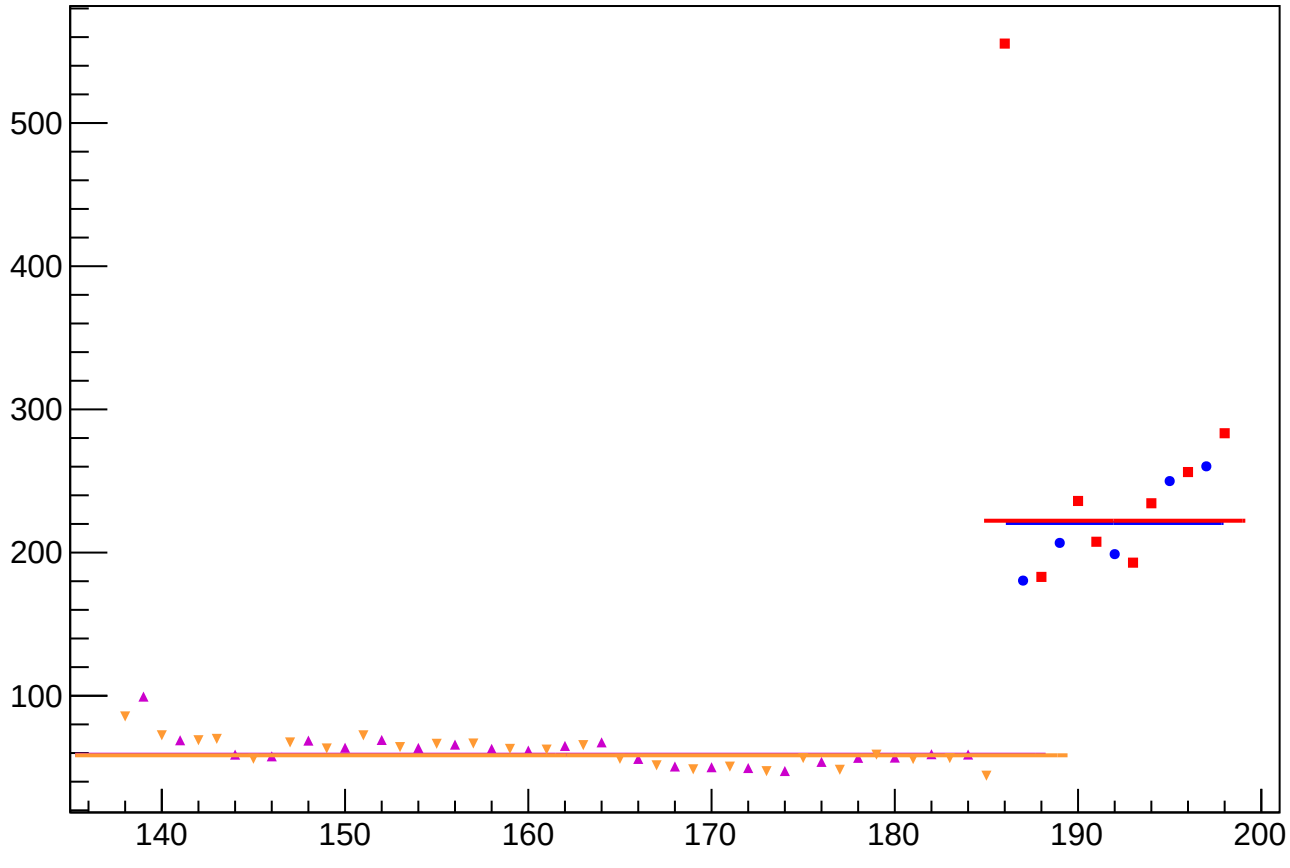
Left: 57.859+/-9.938 χ^2/NDF: 81.1/47

Right: -40.166+/-79.871 χ^2/NDF: 9.8/12

In: 70.775+/-14.208 χ^2/NDF:28.1/27

Out: 42.966+/-13.700 χ^2/NDF:62.3/32

All: 56.365+/-9.862 χ^2/NDF: 92.4/60



Right In: 220.685+/-0.090 χ^2/NDF: 96841.1/4

Left Out: 58.423+/-0.010 χ^2/NDF:790091.3/24

Right Out: 222.253+/-0.072 χ^2/NDF: 494959.3/7

Left In: 58.840+/-0.010 χ^2/NDF:679925.7/22

Left: 58.624+/-0.007 χ^2/NDF: 1470896.0/47

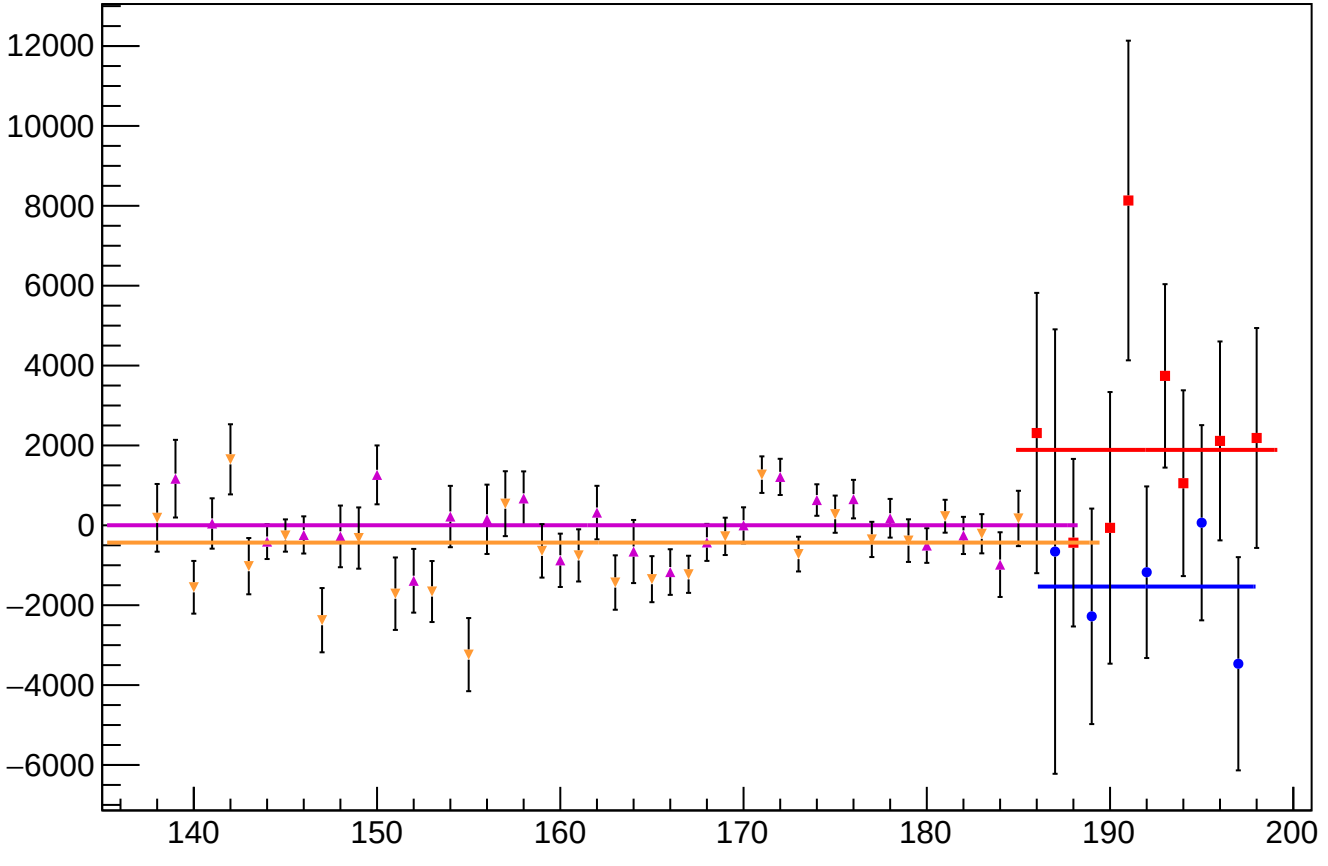
Right: 221.640+/-0.056 χ^2/NDF: 591983.9/12

In: 60.841+/-0.010 χ^2/NDF:3946969.3/27

Out: 61.359+/-0.010 χ^2/NDF:6318728.5/32

All: 61.109+/-0.007 χ^2/NDF: 10267071.5/60

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -1533.149+/-1200.258 χ^2/NDF: 1.1/4

Left Out: -432.330+/-114.408 χ^2/NDF:59.4/24

Right Out: 1888.781+/-942.798 χ^2/NDF: 4.8/7

Left In: 1.825+/-116.459 χ^2/NDF:32.3/22

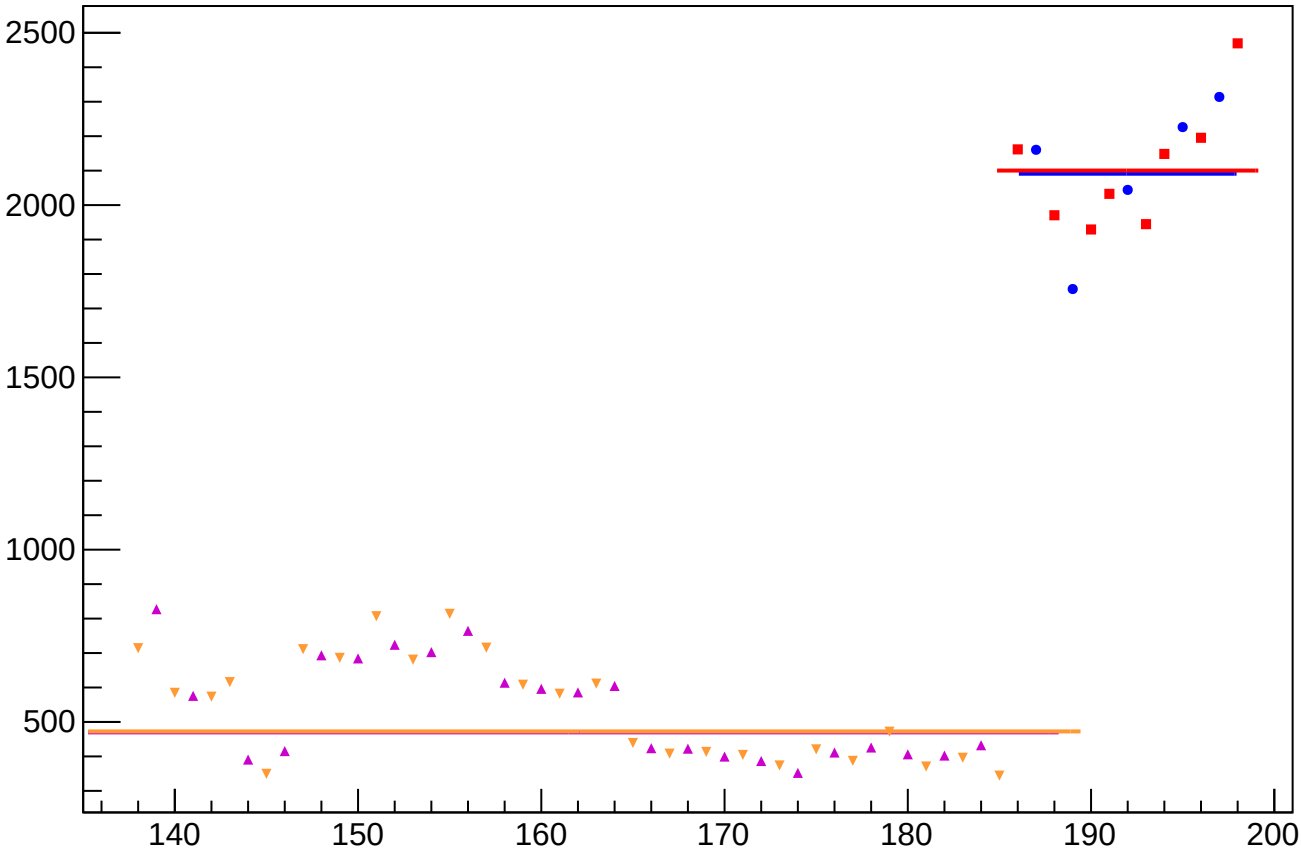
Left: -219.109+/-81.614 χ^2/NDF: 98.8/47

Right: 583.068+/-741.418 χ^2/NDF: 10.9/12

In: -12.491+/-115.914 χ^2/NDF:35.0/27

Out: -398.646+/-113.575 χ^2/NDF:70.2/32

All: -209.505+/-81.124 χ^2/NDF: 110.8/60



Right In: 2091.102+/-0.849 χ^2/NDF: 52106.0/4

Left Out: 472.569+/-0.081 χ^2/NDF:2508168.9/24

Right Out: 2100.231+/-0.667 χ^2/NDF: 62811.5/7

Left In: 469.761+/-0.082 χ^2/NDF:2116885.7/22

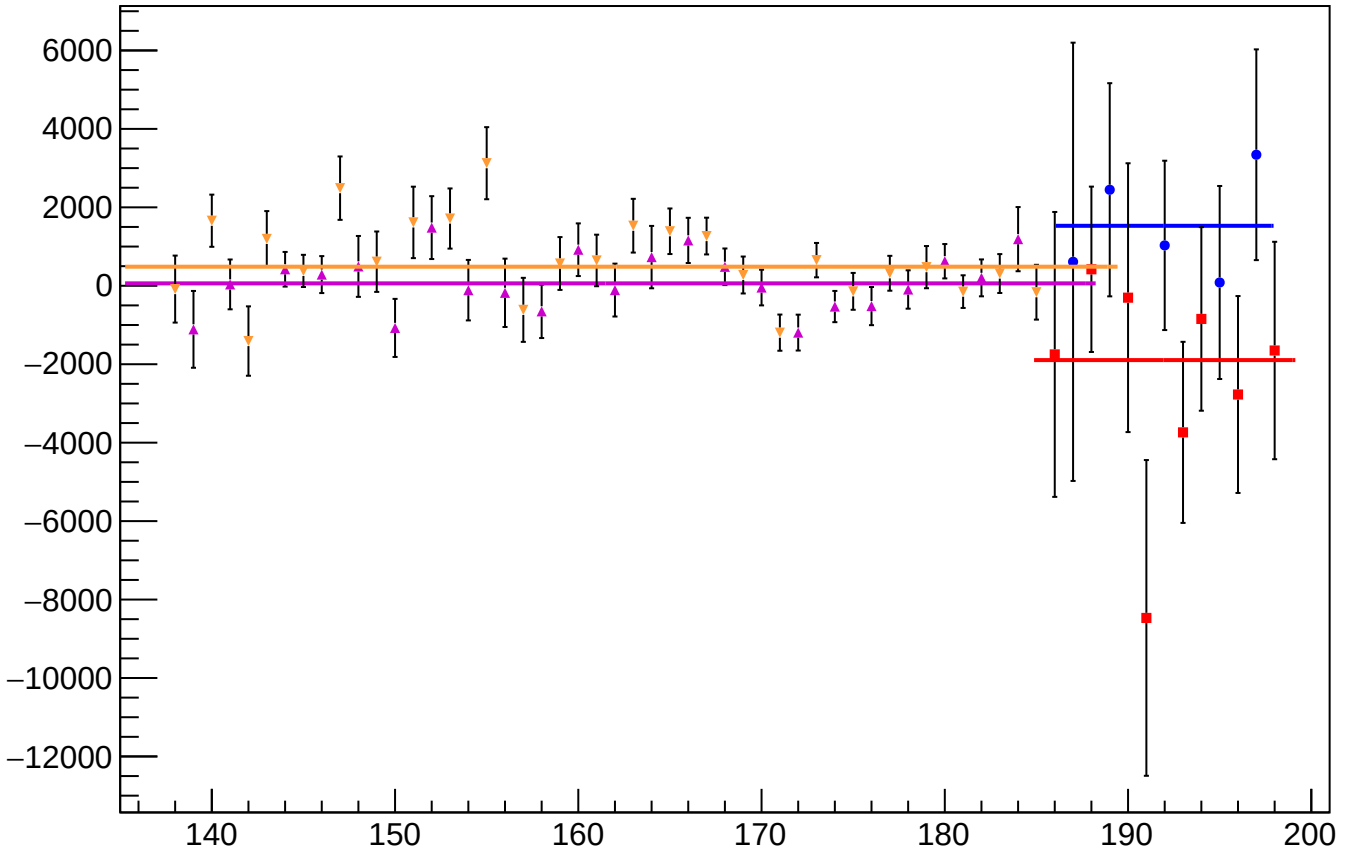
Left: 471.190+/-0.058 χ^2/NDF: 4625646.2/47

Right: 2096.748+/-0.524 χ^2/NDF: 114989.0/12

In: 484.883+/-0.082 χ^2/NDF:5784420.8/27

Out: 496.189+/-0.080 χ^2/NDF:8445506.6/32

All: 490.651+/-0.057 χ^2/NDF: 14239635.8/60



Right In: 1529.398+/-1207.596 χ^2/NDF: 1.0/4

Left Out: 486.645+/-115.346 χ^2/NDF:56.0/24

Right Out: -1894.597+/-950.516 χ^2/NDF: 5.1/7

Left In: 61.775+/-117.449 χ^2/NDF:31.2/22

Left: 278.047+/-82.295 χ^2/NDF: 93.8/47

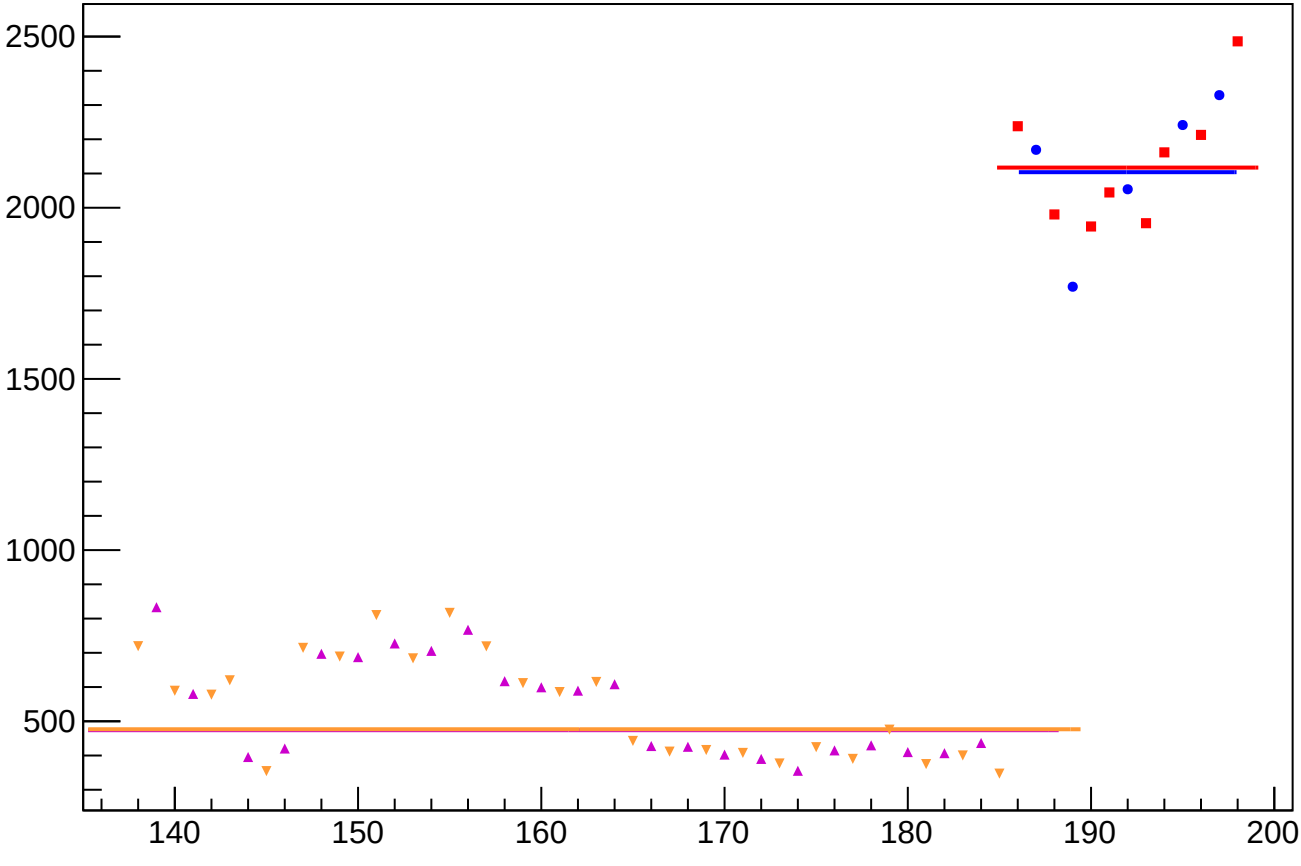
Right: -584.767+/-746.900 χ^2/NDF: 11.0/12

In: 75.527+/-116.897 χ^2/NDF:33.6/27

Out: 452.088+/-114.506 χ^2/NDF:67.3/32

All: 267.698+/-81.800 χ^2/NDF: 106.2/60

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 2103.880+/-0.854 χ^2/NDF: 51953.8/4

Left Out: 476.690+/-0.082 χ^2/NDF:2472737.6/24

Right Out: 2117.311+/-0.672 χ^2/NDF: 65258.3/7

Left In: 473.983+/-0.083 χ^2/NDF:2087113.7/22

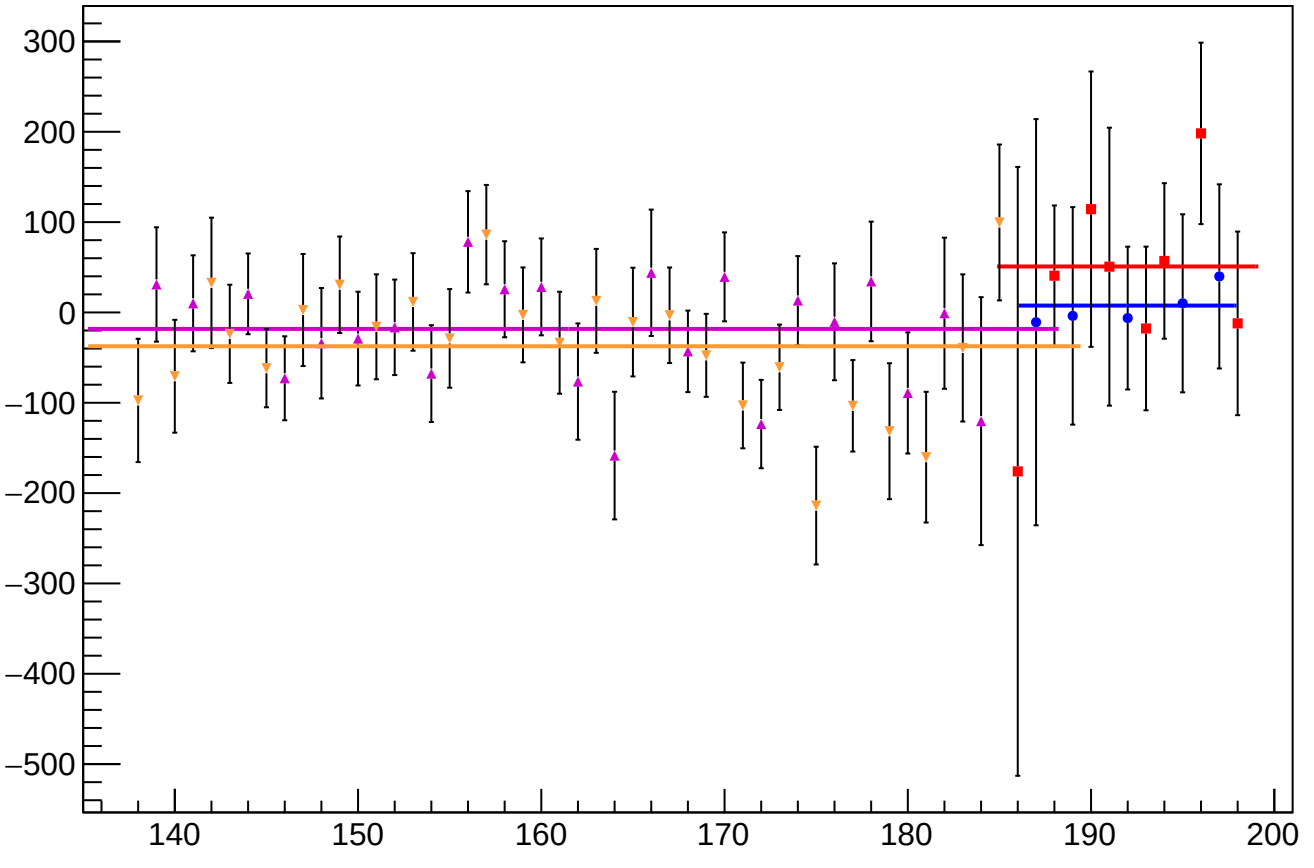
Left: 475.361+/-0.058 χ^2/NDF: 4560392.0/47

Right: 2112.173+/-0.528 χ^2/NDF: 117364.9/12

In: 489.256+/-0.083 χ^2/NDF:5748326.5/27

Out: 500.499+/-0.081 χ^2/NDF:8409900.4/32

All: 494.994+/-0.058 χ^2/NDF: 14167668.1/60



Right In: 7.598+/-47.248 χ^2/NDF: 0.1/4

Left Out: -37.413+/-11.390 χ^2/NDF:30.5/24

Right Out: 50.896+/-37.470 χ^2/NDF: 3.8/7

Left In: -18.210+/-11.788 χ^2/NDF:23.0/22

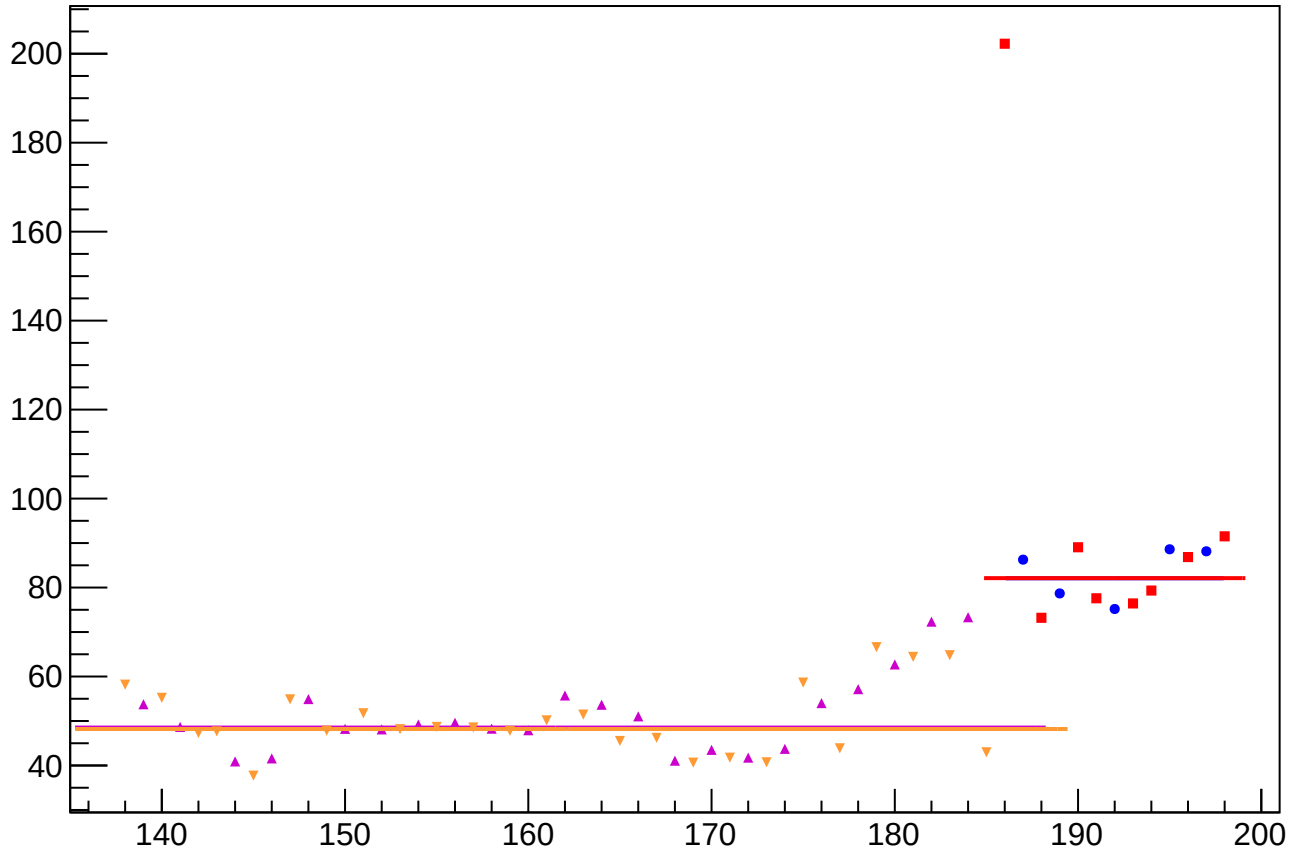
Left: -28.141+/-8.191 χ^2/NDF: 54.8/47

Right: 34.179+/-29.358 χ^2/NDF: 4.4/12

In: -16.698+/-11.437 χ^2/NDF:23.4/27

Out: -29.943+/-10.897 χ^2/NDF:39.3/32

All: -23.641+/-7.890 χ^2/NDF: 63.4/60



Right In: 82.079+/-0.033 χ^2/NDF: 33386.6/4

Left Out: 48.200+/-0.008 χ^2/NDF:750196.2/24

Right Out: 82.115+/-0.026 χ^2/NDF: 317804.6/7

Left In: 48.527+/-0.008 χ^2/NDF:675340.8/22

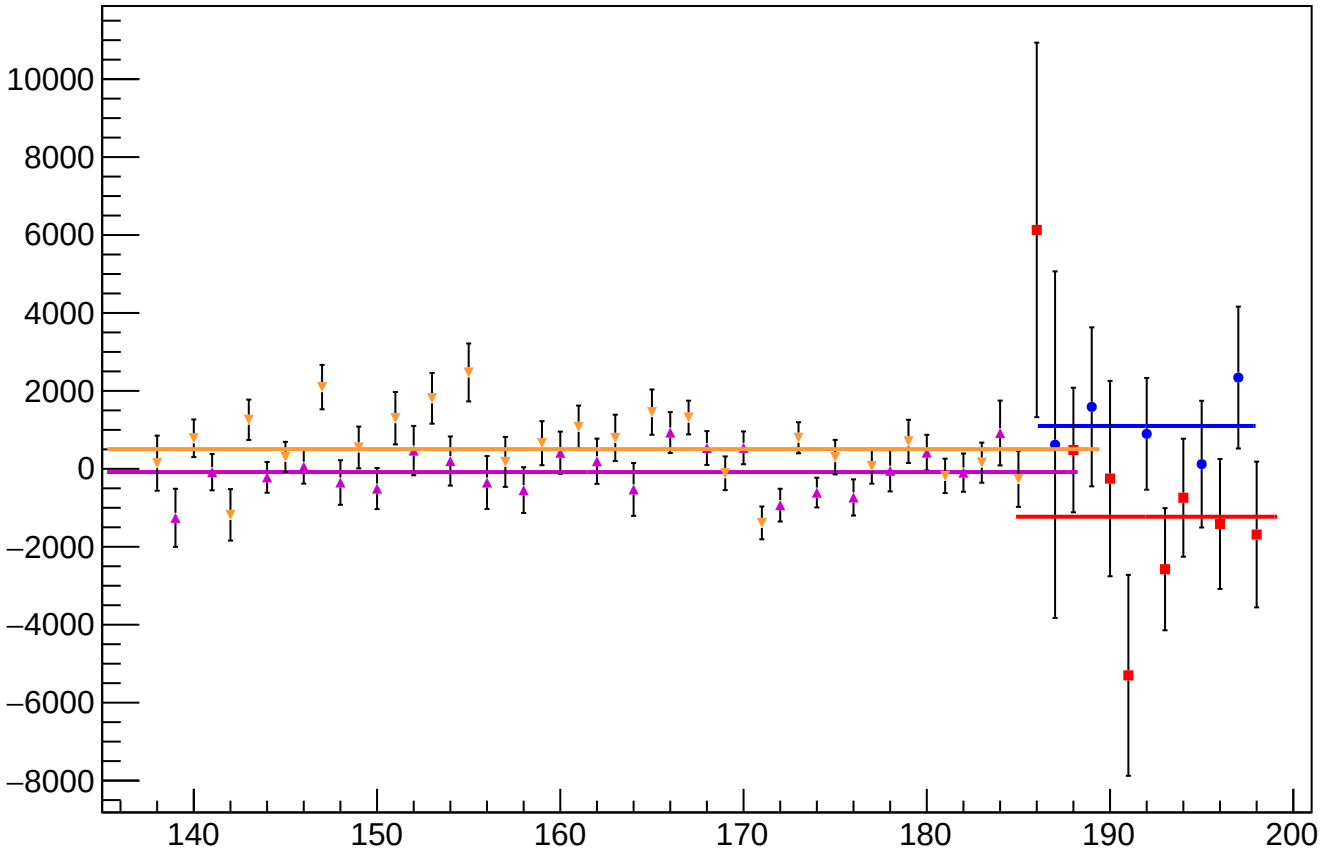
Left: 48.358+/-0.006 χ^2/NDF: 1426333.4/47

Right: 82.101+/-0.021 χ^2/NDF: 351192.0/12

In: 50.493+/-0.008 χ^2/NDF:1658232.4/27

Out: 51.068+/-0.008 χ^2/NDF:2567981.9/32

All: 50.794+/-0.006 χ^2/NDF: 4228868.3/60



Right In: 1099.942+/-828.353 χ^2/NDF: 0.9/4

Left Out: 506.205+/-103.468 χ^2/NDF:65.7/24

Right Out: -1228.725+/-669.073 χ^2/NDF: 7.1/7

Left In: -82.421+/-105.935 χ^2/NDF:25.3/22

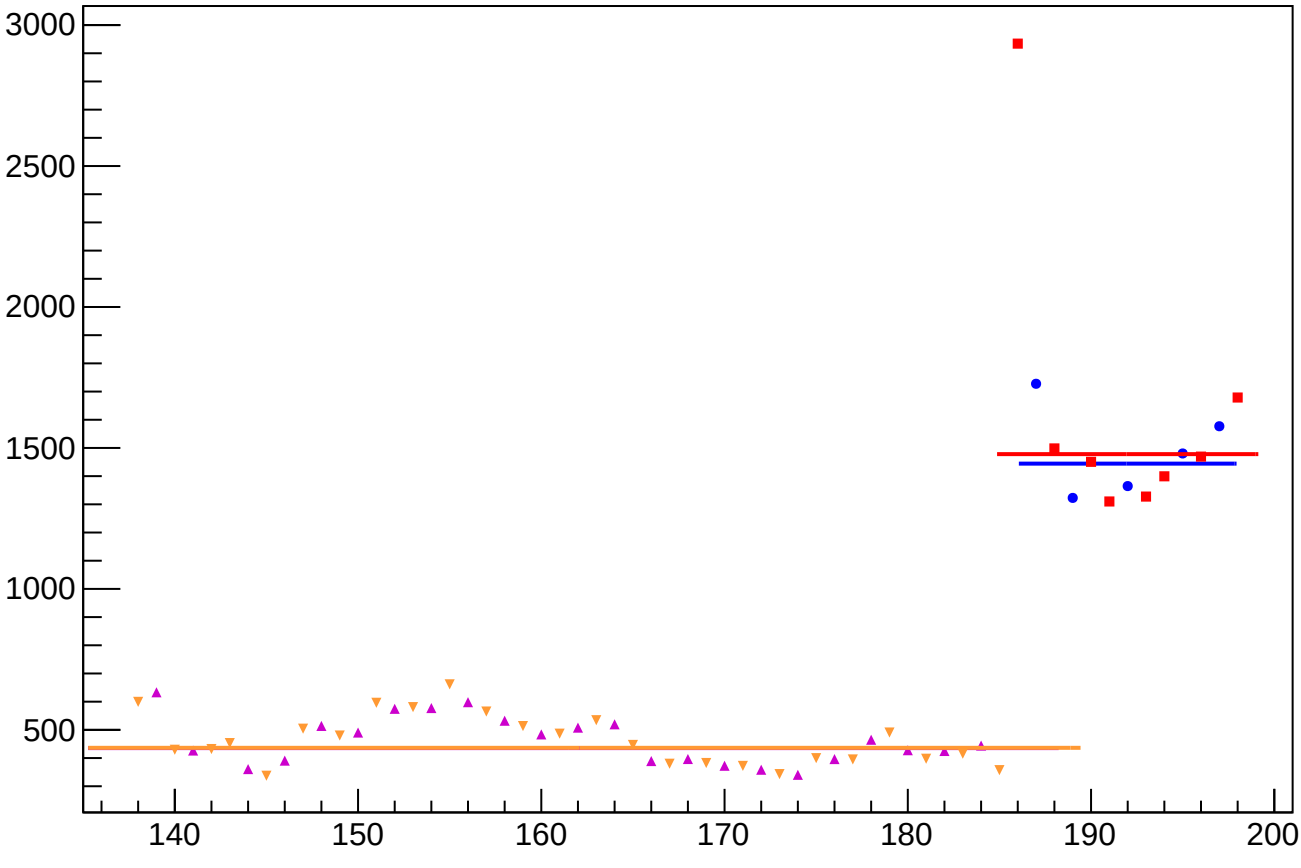
Left: 218.827+/-74.020 χ^2/NDF: 106.9/47

Right: -309.319+/-520.494 χ^2/NDF: 12.8/12

In: -63.395+/-105.079 χ^2/NDF:28.3/27

Out: 465.684+/-102.252 χ^2/NDF:79.3/32

All: 208.358+/-73.282 χ^2/NDF: 120.6/60



Right In: 1444.381+/-0.586 χ^2/NDF: 32983.7/4

Left Out: 436.301+/-0.073 χ^2/NDF:1179348.4/24

Right Out: 1478.079+/-0.473 χ^2/NDF: 239663.1/7

Left In: 435.275+/-0.075 χ^2/NDF:1027713.1/22

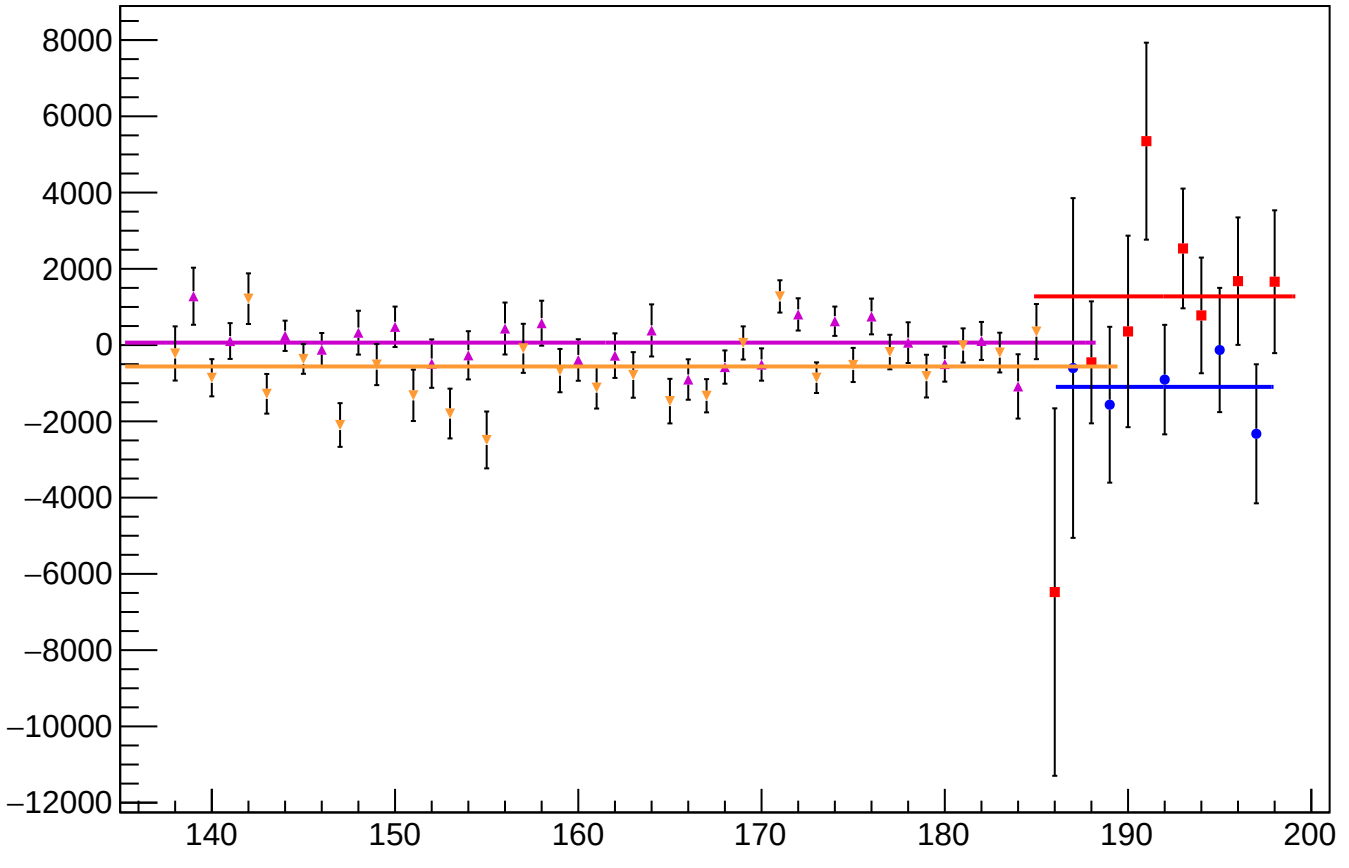
Left: 435.800+/-0.052 χ^2/NDF: 2207157.7/47

Right: 1464.774+/-0.368 χ^2/NDF: 274649.9/12

In: 451.513+/-0.074 χ^2/NDF:3980992.2/27

Out: 460.633+/-0.072 χ^2/NDF:6154542.5/32

All: 456.198+/-0.052 χ^2/NDF: 10143272.6/60



Right In: -1096.003+/-829.806 χ^2/NDF: 0.9/4

Left Out: -560.684+/-104.207 χ^2/NDF:61.8/24

Right Out: 1277.433+/-670.258 χ^2/NDF: 7.2/7

Left In: 64.594+/-106.708 χ^2/NDF:25.2/22

Left: -255.457+/-74.554 χ^2/NDF: 104.5/47

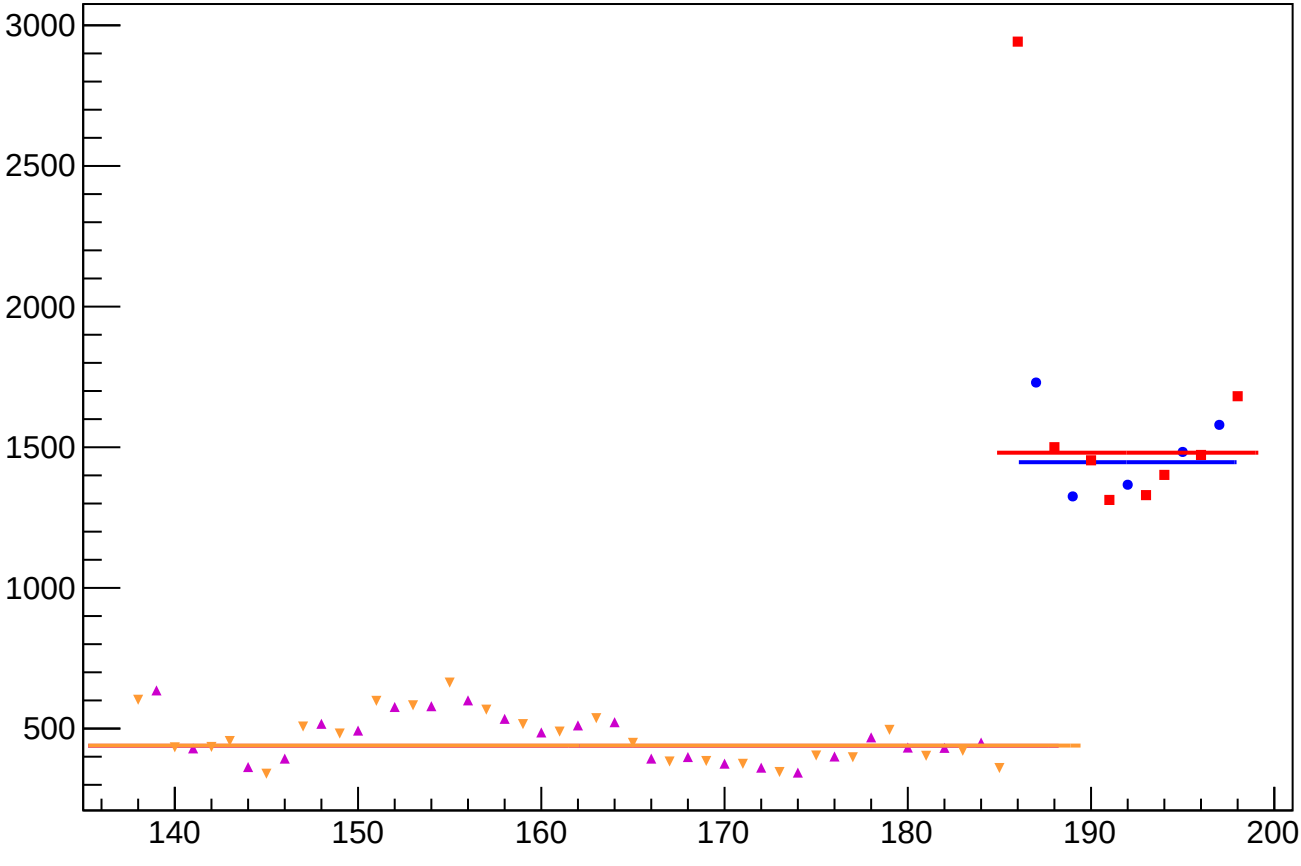
Right: 340.331+/-521.412 χ^2/NDF: 13.1/12

In: 45.714+/-105.836 χ^2/NDF:28.0/27

Out: -517.302+/-102.970 χ^2/NDF:76.3/32

All: -243.520+/-73.803 χ^2/NDF: 118.8/60

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1446.917+/-0.587 χ^2/NDF: 32990.5/4

Left Out: 439.527+/-0.074 χ^2/NDF:1163352.8/24

Right Out: 1480.693+/-0.474 χ^2/NDF: 239832.6/7

Left In: 438.548+/-0.075 χ^2/NDF:1013071.4/22

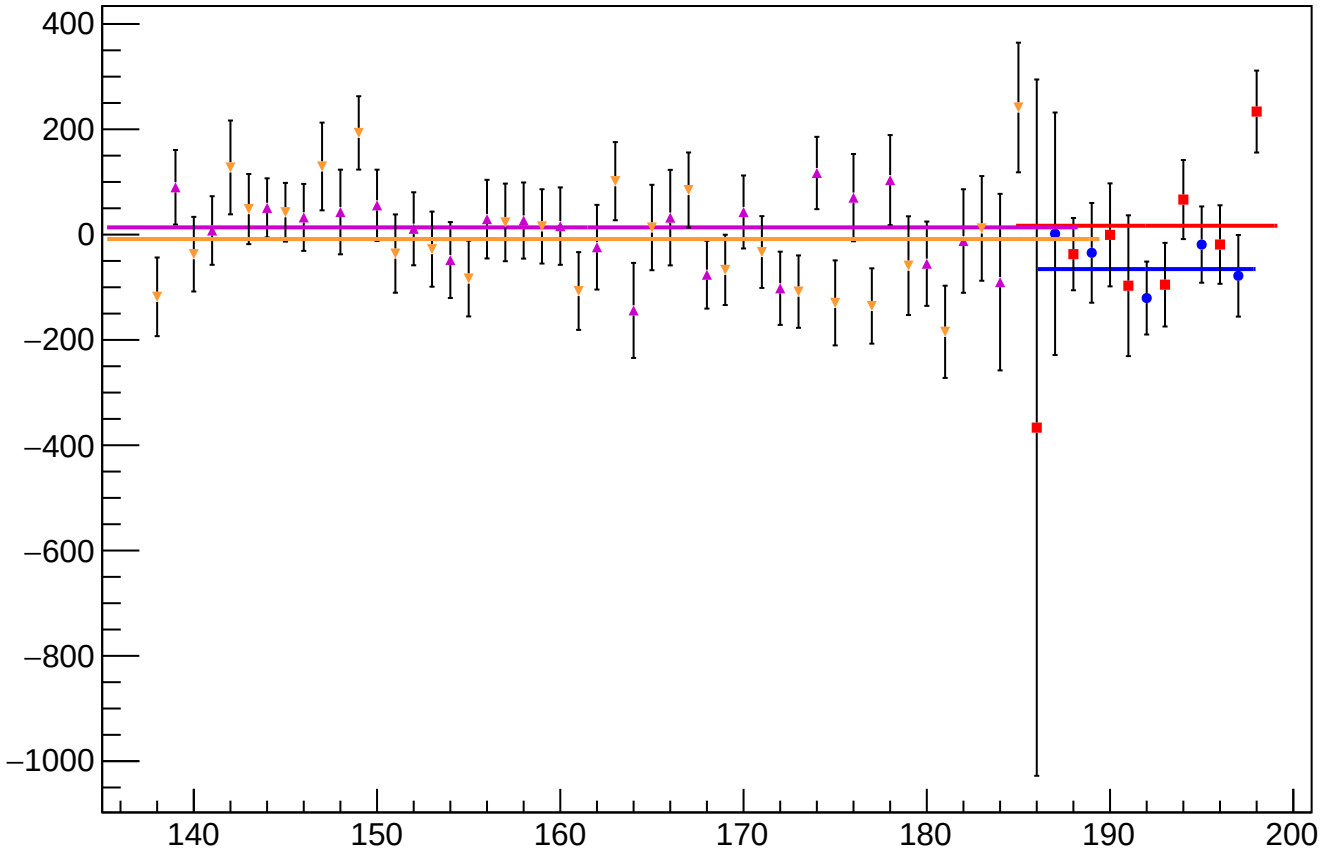
Left: 439.049+/-0.053 χ^2/NDF: 2176510.4/47

Right: 1467.358+/-0.369 χ^2/NDF: 274828.4/12

In: 454.951+/-0.075 χ^2/NDF:3951382.3/27

Out: 464.100+/-0.073 χ^2/NDF:6115269.0/32

All: 459.651+/-0.052 χ^2/NDF: 10074328.7/60



Right In: -65.489+/-37.909 χ^2/NDF: 1.3/4

Left Out: -8.416+/-14.935 χ^2/NDF:41.6/24

Right Out: 16.840+/-30.773 χ^2/NDF: 12.1/7

Left In: 13.723+/-15.478 χ^2/NDF:16.3/22

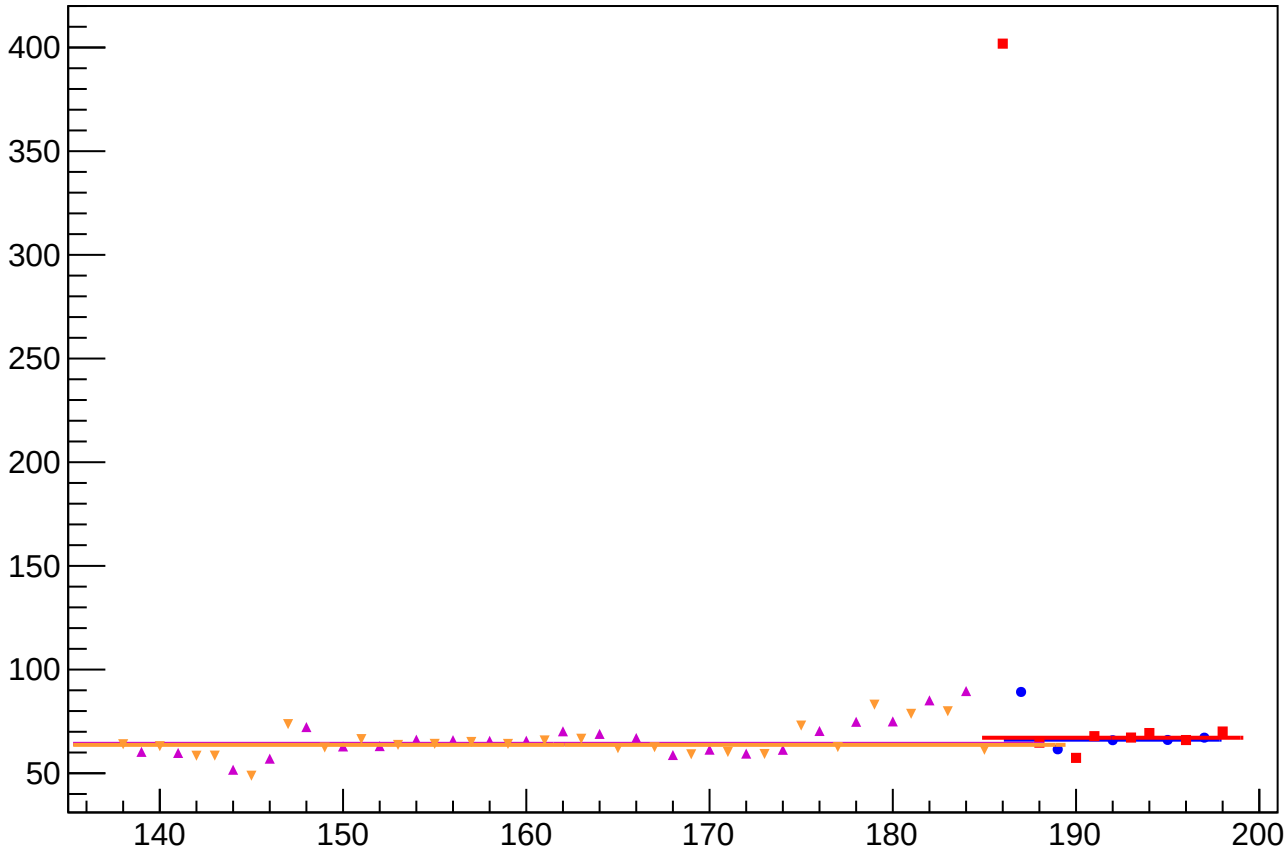
Left: 2.258+/-10.747 χ^2/NDF: 58.9/47

Right: -15.861+/-23.892 χ^2/NDF: 16.2/12

In: 2.405+/-14.330 χ^2/NDF:21.3/27

Out: -3.601+/-13.436 χ^2/NDF:54.3/32

All: -0.791+/-9.801 χ^2/NDF: 75.6/60



Right In: 66.194+/-0.027 χ^2/NDF: 25155.6/4

Left Out: 63.696+/-0.011 χ^2/NDF:448439.3/24

Right Out: 67.126+/-0.022 χ^2/NDF: 540020.5/7

Left In: 64.189+/-0.011 χ^2/NDF:429670.3/22

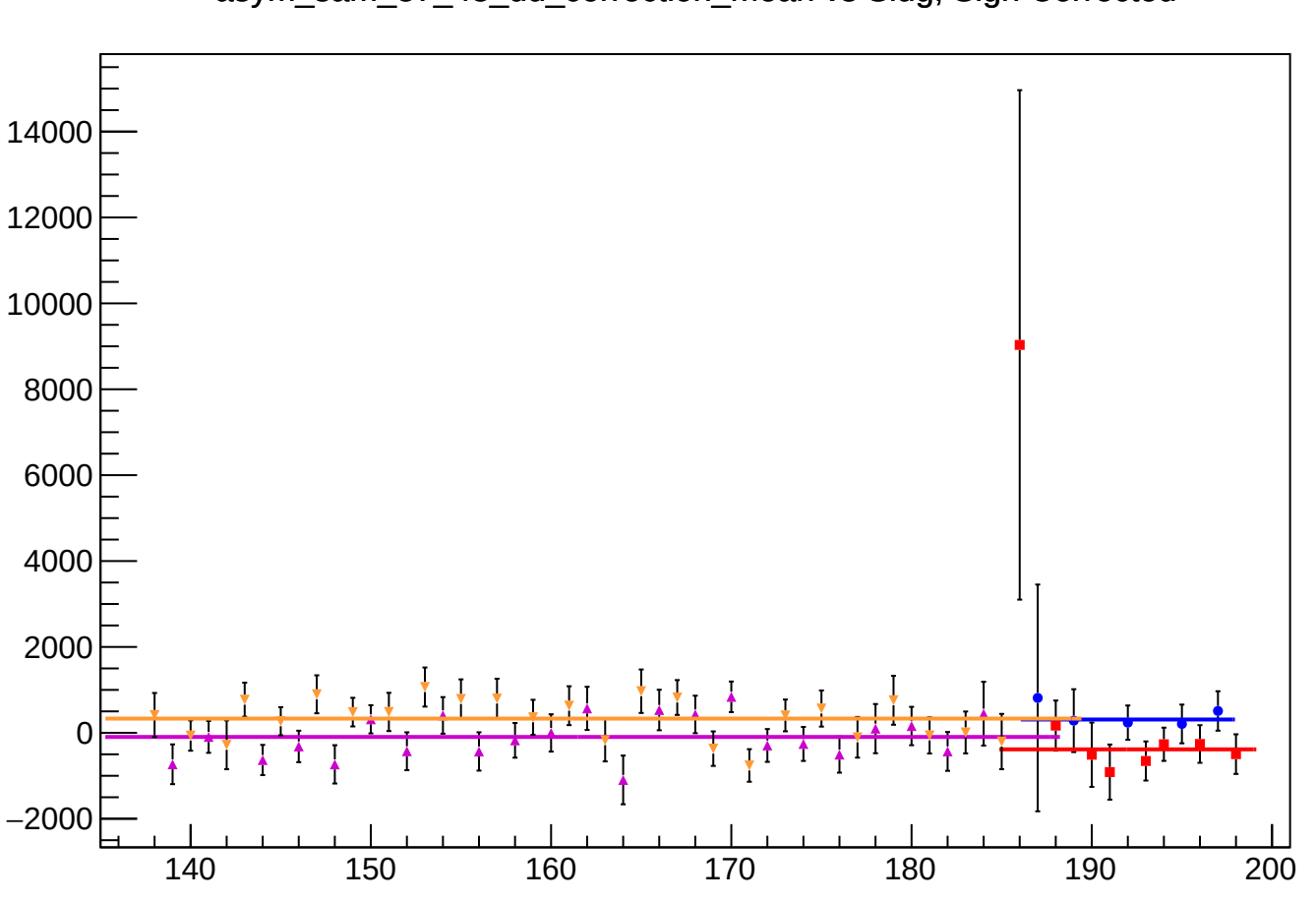
Left: 63.934+/-0.008 χ^2/NDF: 879161.0/47

Right: 66.756+/-0.017 χ^2/NDF: 565904.4/12

In: 64.476+/-0.010 χ^2/NDF:459622.8/27

Out: 64.350+/-0.010 χ^2/NDF:1008573.3/32

All: 64.409+/-0.007 χ^2/NDF: 1468278.1/60



Right In: 310.390+/-236.214 χ^2/NDF: 0.3/4

Left Out: 331.739+/-86.071 χ^2/NDF:29.9/24

Right Out: -384.543+/-187.038 χ^2/NDF: 4.7/7

Left In: -95.910+/-88.656 χ^2/NDF:28.7/22

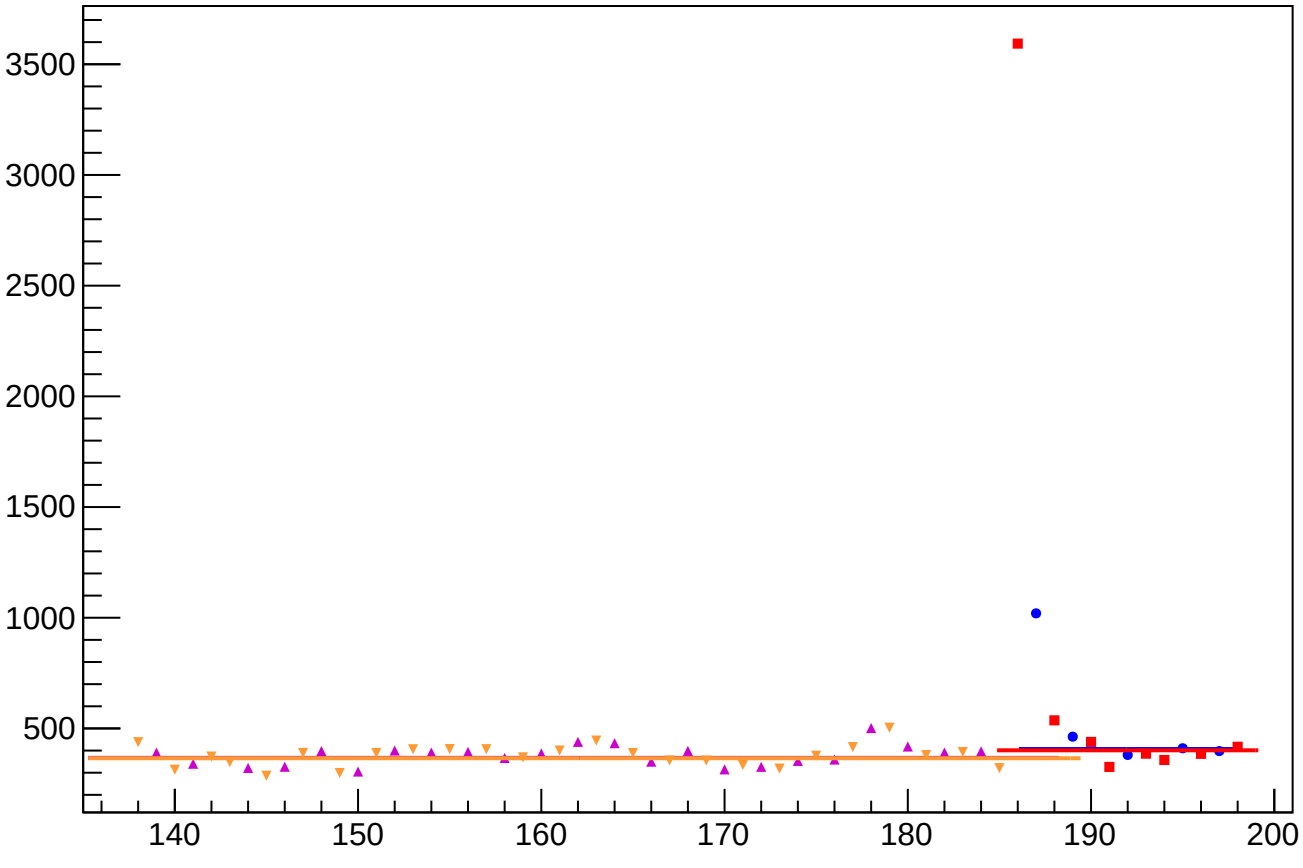
Left: 124.240+/-61.755 χ^2/NDF: 70.5/47

Right: -116.742+/-146.636 χ^2/NDF: 10.3/12

In: -45.743+/-83.002 χ^2/NDF:31.6/27

Out: 206.563+/-78.189 χ^2/NDF:46.7/32

All: 87.937+/-56.914 χ^2/NDF: 83.2/60



Right In: 406.864+/-0.167 χ^2/NDF: 129225.9/4

Left Out: 365.355+/-0.061 χ^2/NDF:618453.7/24

Right Out: 401.228+/-0.132 χ^2/NDF: 752236.6/7

Left In: 366.925+/-0.063 χ^2/NDF:478082.1/22

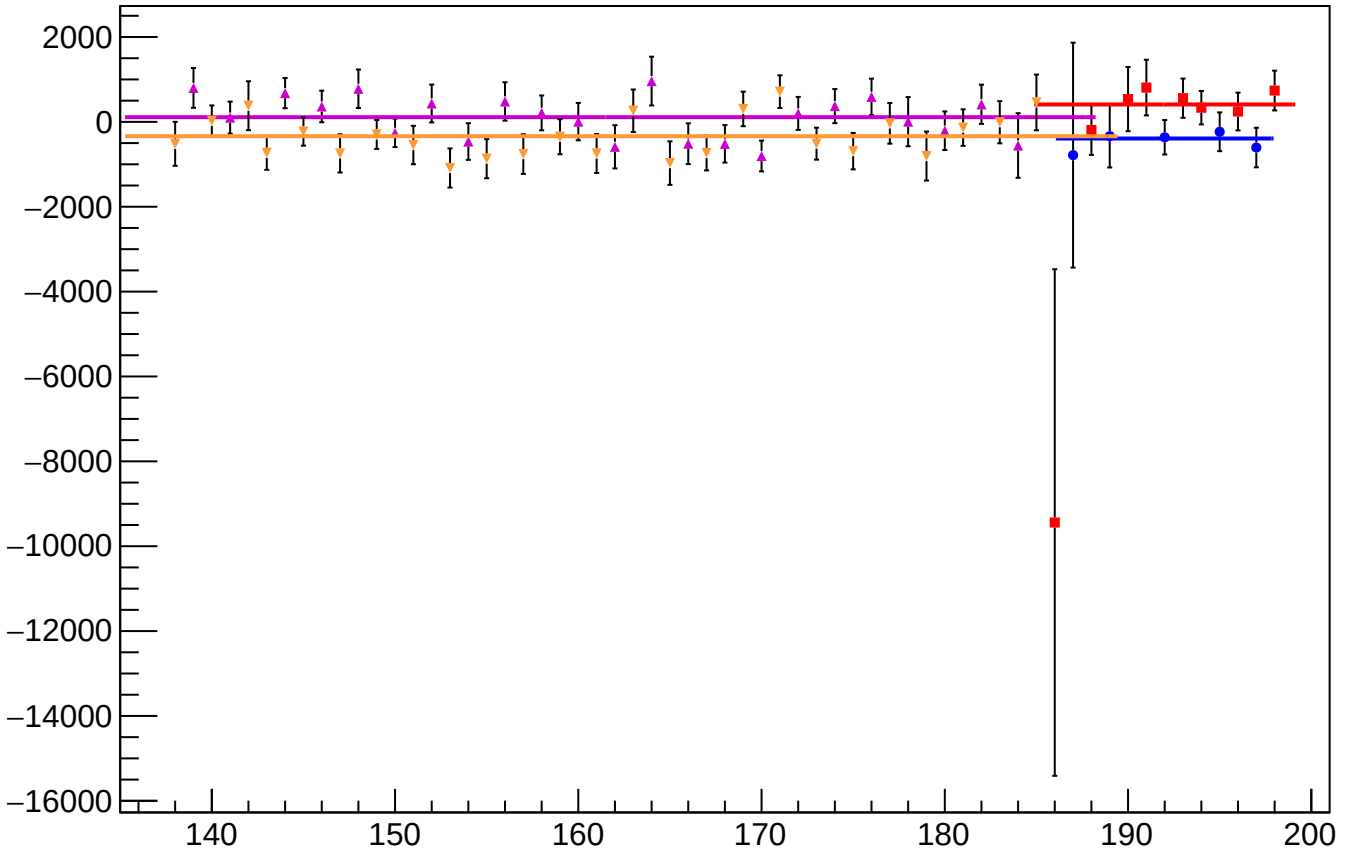
Left: 366.117+/-0.044 χ^2/NDF: 1096858.5/47

Right: 403.400+/-0.104 χ^2/NDF: 882162.4/12

In: 371.856+/-0.059 χ^2/NDF:657424.8/27

Out: 371.624+/-0.055 χ^2/NDF:1431401.9/32

All: 371.733+/-0.040 χ^2/NDF: 2088834.9/60



Right In: -392.104+/-239.460 χ^2/NDF: 0.4/4

Left Out: -338.528+/-87.450 χ^2/NDF:28.2/24

Right Out: 409.954+/-189.900 χ^2/NDF: 4.9/7

Left In: 110.341+/-90.084 χ^2/NDF:29.2/22

Left: -120.751+/-62.747 χ^2/NDF: 70.2/47

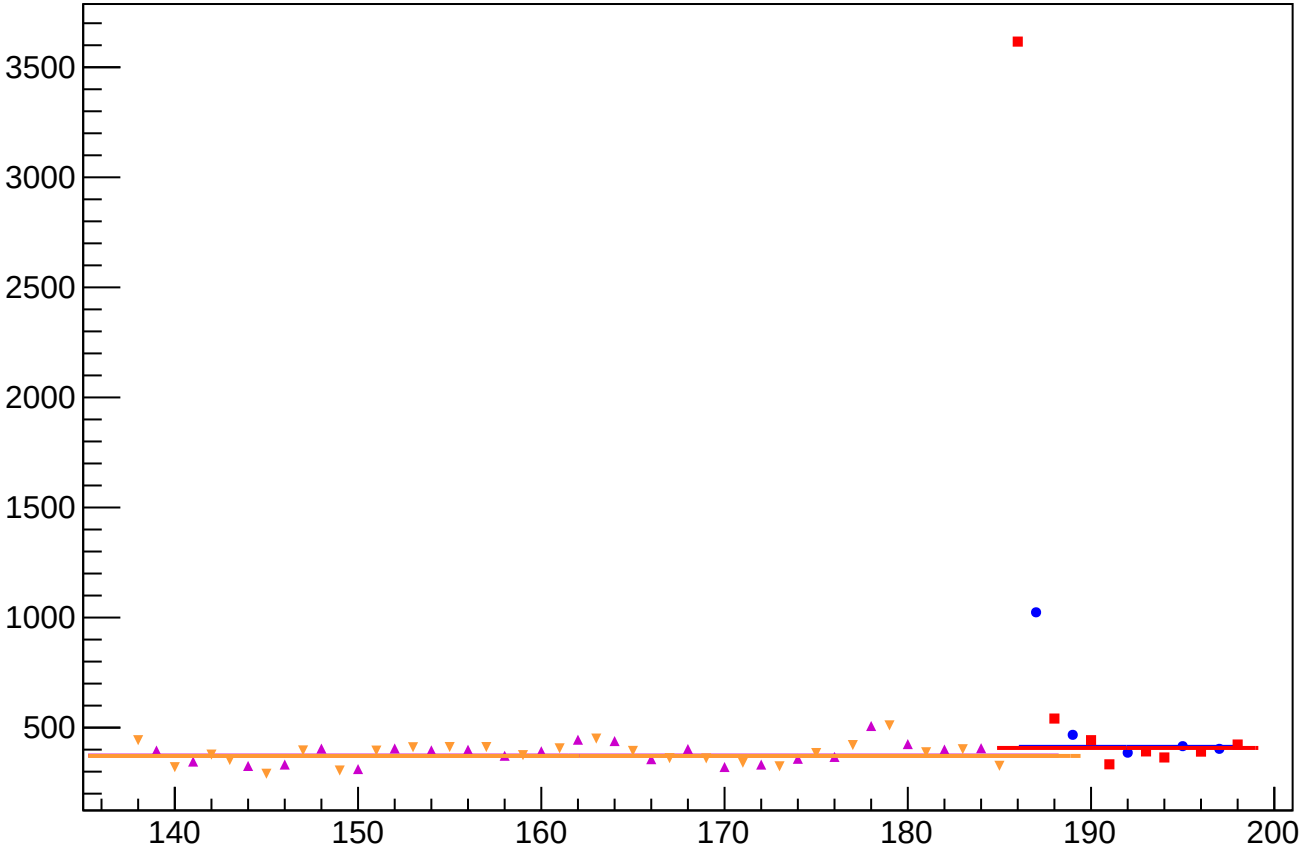
Right: 100.287+/-148.791 χ^2/NDF: 12.2/12

In: 48.049+/-84.315 χ^2/NDF:33.4/27

Out: -207.571+/-79.432 χ^2/NDF:46.0/32

All: -87.376+/-57.816 χ^2/NDF: 84.3/60

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 412.602+/-0.169 χ^2/NDF: 126716.6/4

Left Out: 371.356+/-0.062 χ^2/NDF:604070.6/24

Right Out: 407.649+/-0.134 χ^2/NDF: 742675.0/7

Left In: 372.938+/-0.064 χ^2/NDF:467340.9/22

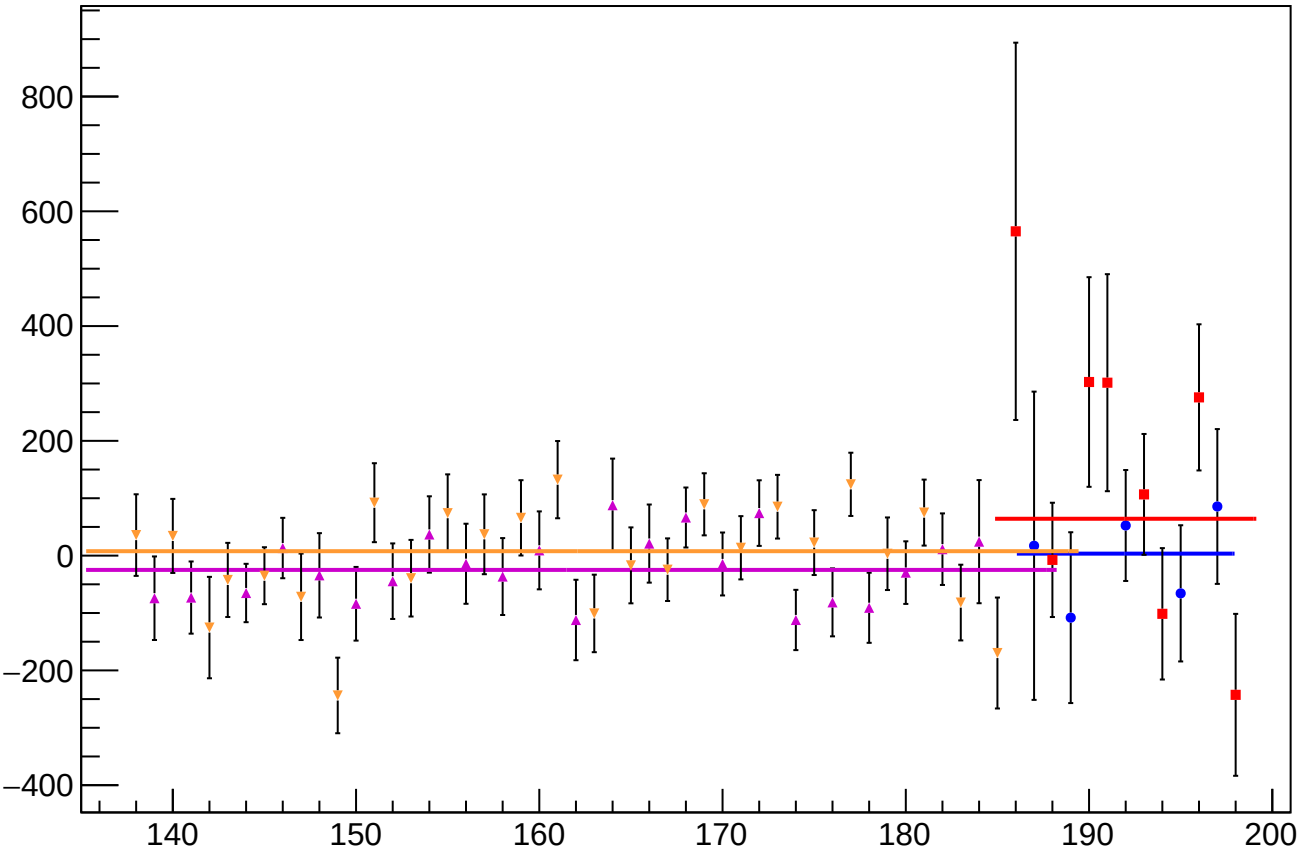
Left: 372.123+/-0.044 χ^2/NDF: 1071729.1/47

Right: 409.561+/-0.105 χ^2/NDF: 869916.8/12

In: 377.855+/-0.060 χ^2/NDF:642127.7/27

Out: 377.706+/-0.056 χ^2/NDF:1407016.9/32

All: 377.776+/-0.041 χ^2/NDF: 2049148.0/60



Right In: 3.471+/-58.522 χ^2/NDF: 1.5/4

Left Out: 7.723+/-12.656 χ^2/NDF:45.4/24

Right Out: 64.242+/-47.327 χ^2/NDF: 15.9/7

Left In: -24.887+/-13.029 χ^2/NDF:19.7/22

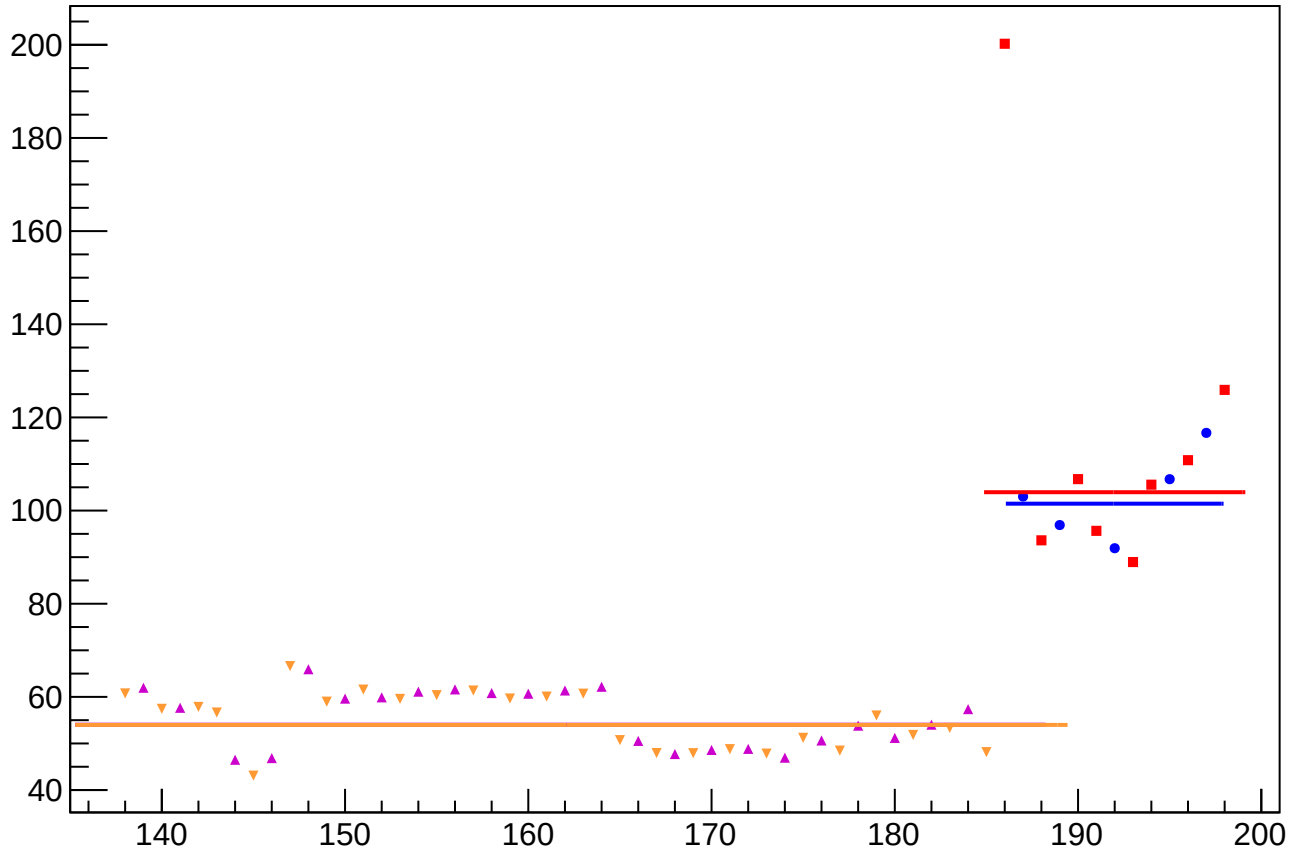
Left: -8.108+/-9.078 χ^2/NDF: 68.4/47

Right: 40.213+/-36.799 χ^2/NDF: 18.0/12

In: -23.548+/-12.717 χ^2/NDF:21.5/27

Out: 11.495+/-12.226 χ^2/NDF:62.6/32

All: -5.337+/-8.814 χ^2/NDF: 88.0/60



Right In: 101.481+/-0.041 χ^2/NDF: 50861.1/4

Left Out: 53.984+/-0.009 χ^2/NDF:458972.1/24

Right Out: 103.944+/-0.033 χ^2/NDF: 292685.5/7

Left In: 54.028+/-0.009 χ^2/NDF:443819.5/22

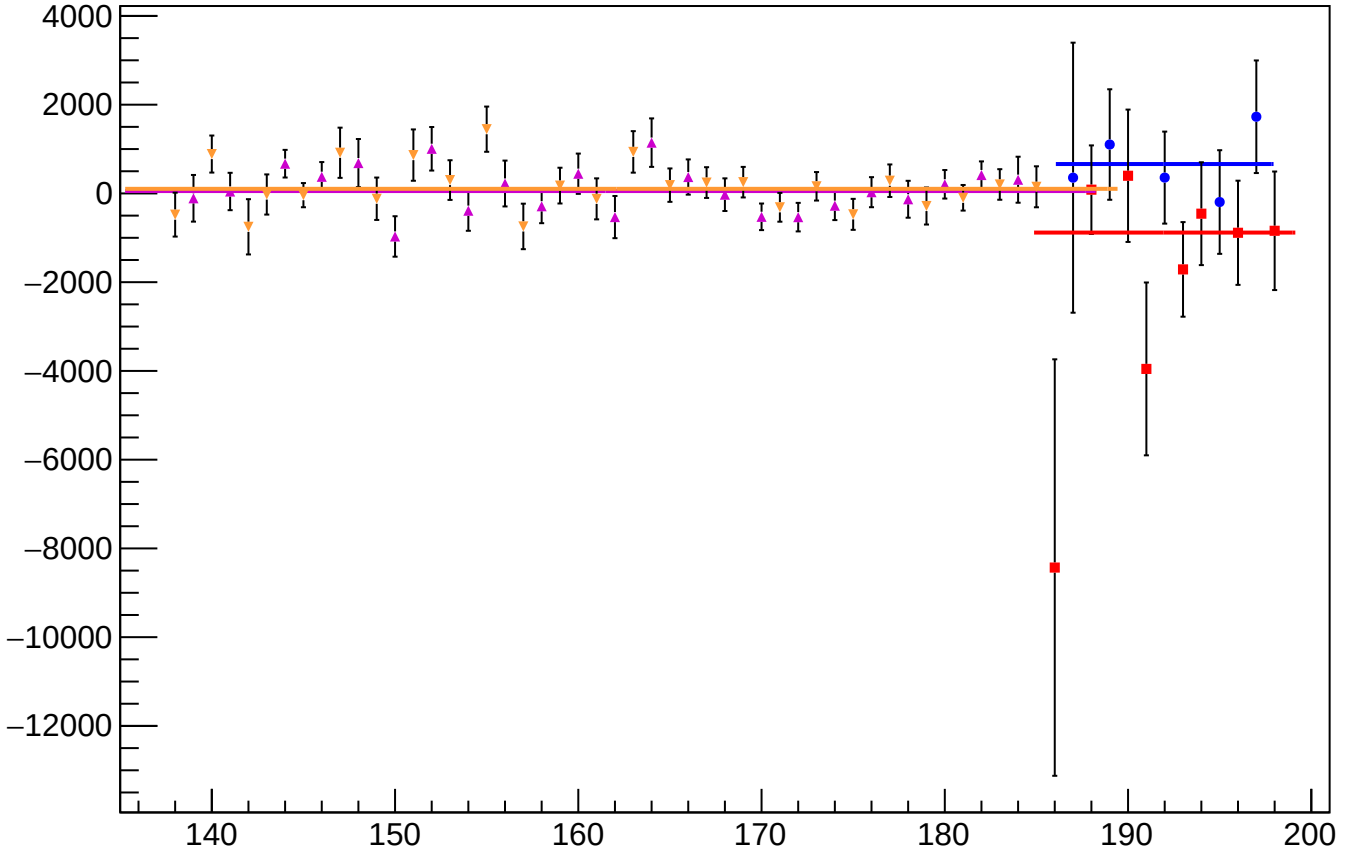
Left: 54.005+/-0.006 χ^2/NDF: 902803.3/47

Right: 102.970+/-0.026 χ^2/NDF: 345689.6/12

In: 56.269+/-0.009 χ^2/NDF:1747575.2/27

Out: 57.318+/-0.009 χ^2/NDF:2831695.1/32

All: 56.814+/-0.006 χ^2/NDF: 4586344.9/60



Right In: 662.473+/-573.745 χ^2/NDF: 1.5/4

Left Out: 103.768+/-79.344 χ^2/NDF:31.0/24

Right Out: -882.144+/-462.522 χ^2/NDF: 7.5/7

Left In: 53.493+/-81.201 χ^2/NDF:34.1/22

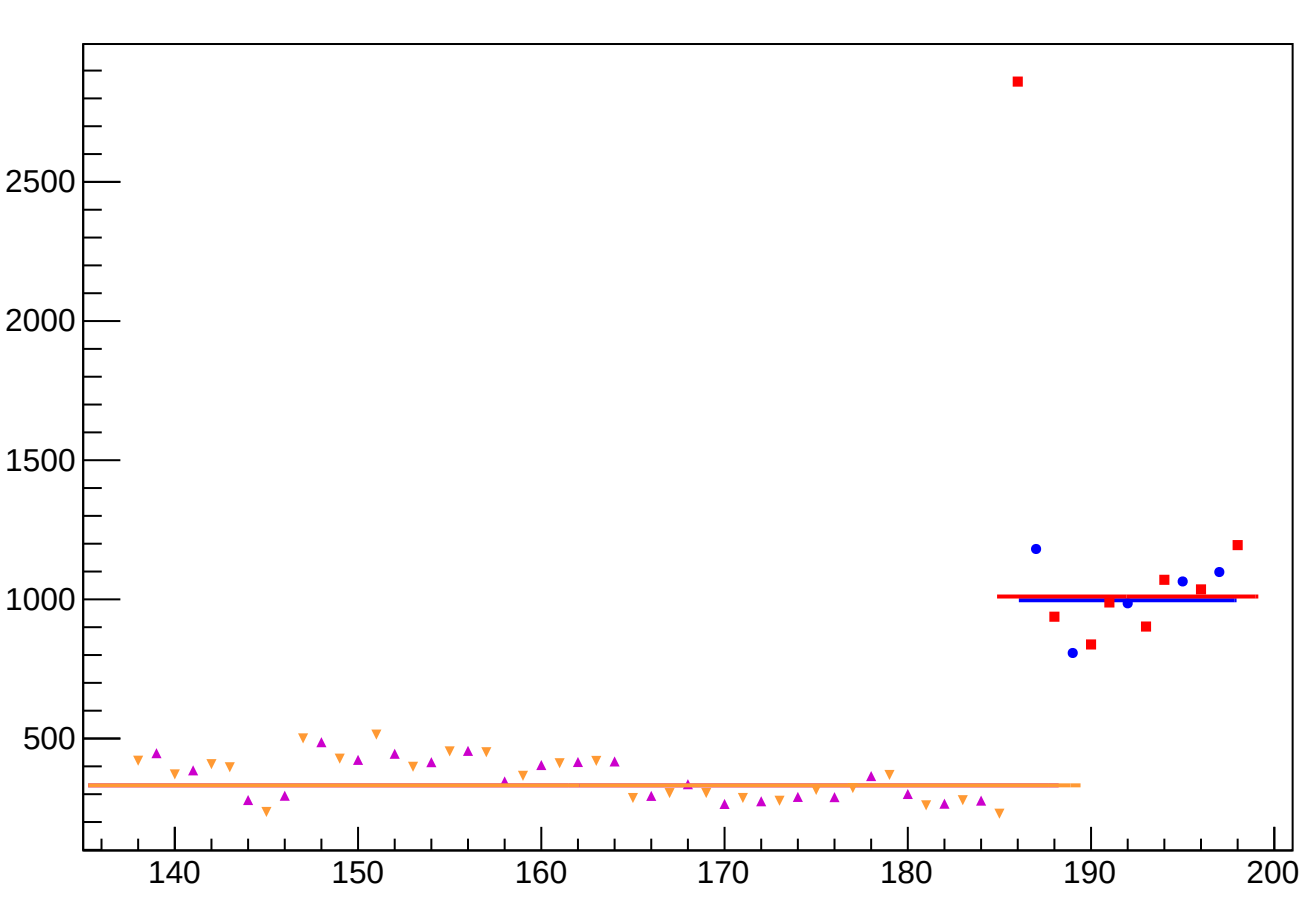
Left: 79.212+/-56.750 χ^2/NDF: 65.3/47

Right: -273.732+/-360.087 χ^2/NDF: 13.4/12

In: 65.451+/-80.400 χ^2/NDF:36.7/27

Out: 75.583+/-78.202 χ^2/NDF:42.9/32

All: 70.658+/-56.058 χ^2/NDF: 79.6/60



Right In: 996.811+/-0.406 χ^2/NDF: 73337.9/4

Left Out: 331.770+/-0.056 χ^2/NDF:1711721.9/24

Right Out: 1010.221+/-0.327 χ^2/NDF: 413433.7/7

Left In: 331.666+/-0.057 χ^2/NDF:1303192.2/22

Left: 331.719+/-0.040 χ^2/NDF: 3014915.7/47

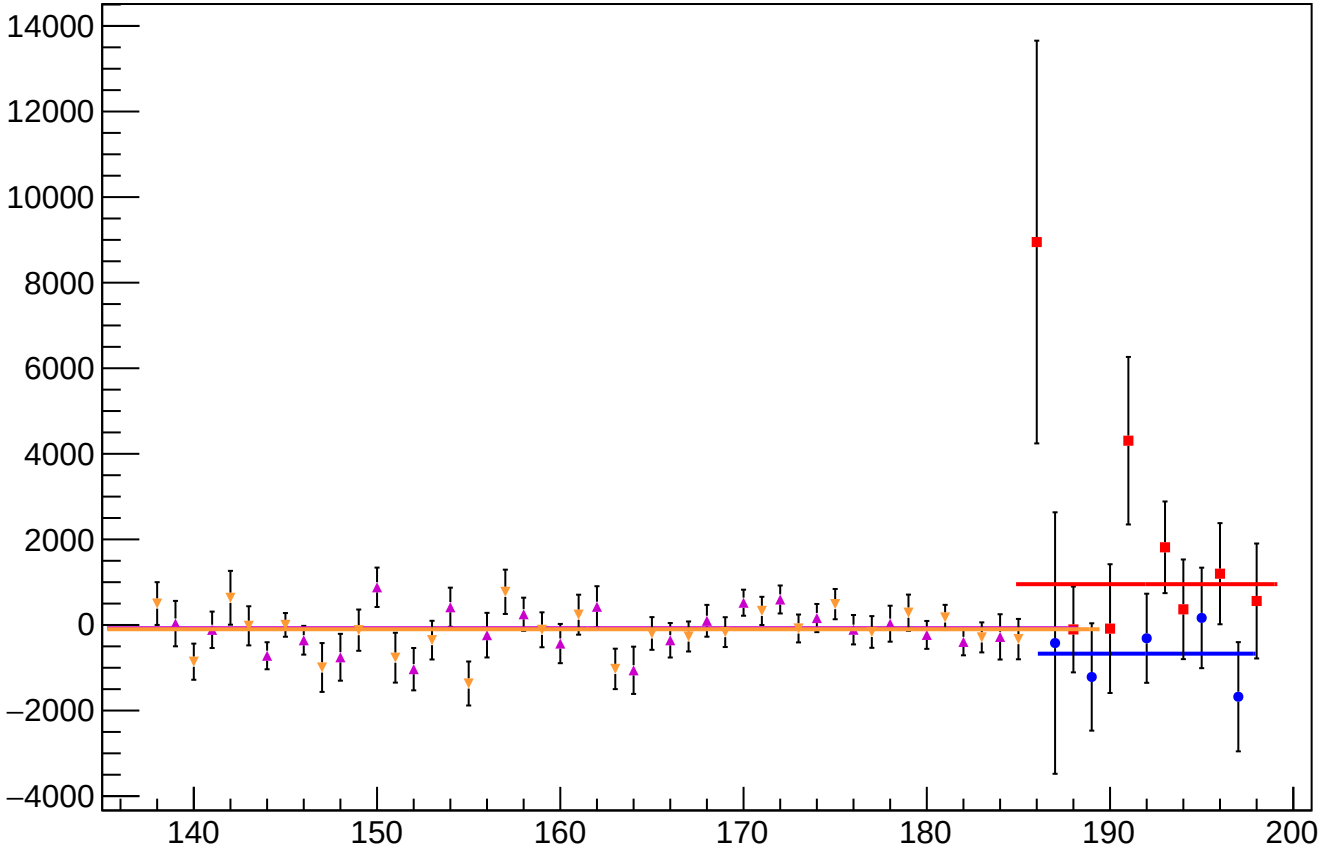
Right: 1004.939+/-0.255 χ^2/NDF: 487433.8/12

In: 344.727+/-0.057 χ^2/NDF:4011724.5/27

Out: 351.165+/-0.055 χ^2/NDF:6305442.2/32

All: 348.035+/-0.040 χ^2/NDF: 10323756.6/60

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -670.466+/-576.961 χ^2/NDF: 1.4/4

Left Out: -99.785+/-80.428 χ^2/NDF:30.7/24

Right Out: 953.642+/-465.216 χ^2/NDF: 8.4/7

Left In: -75.579+/-82.319 χ^2/NDF:32.1/22

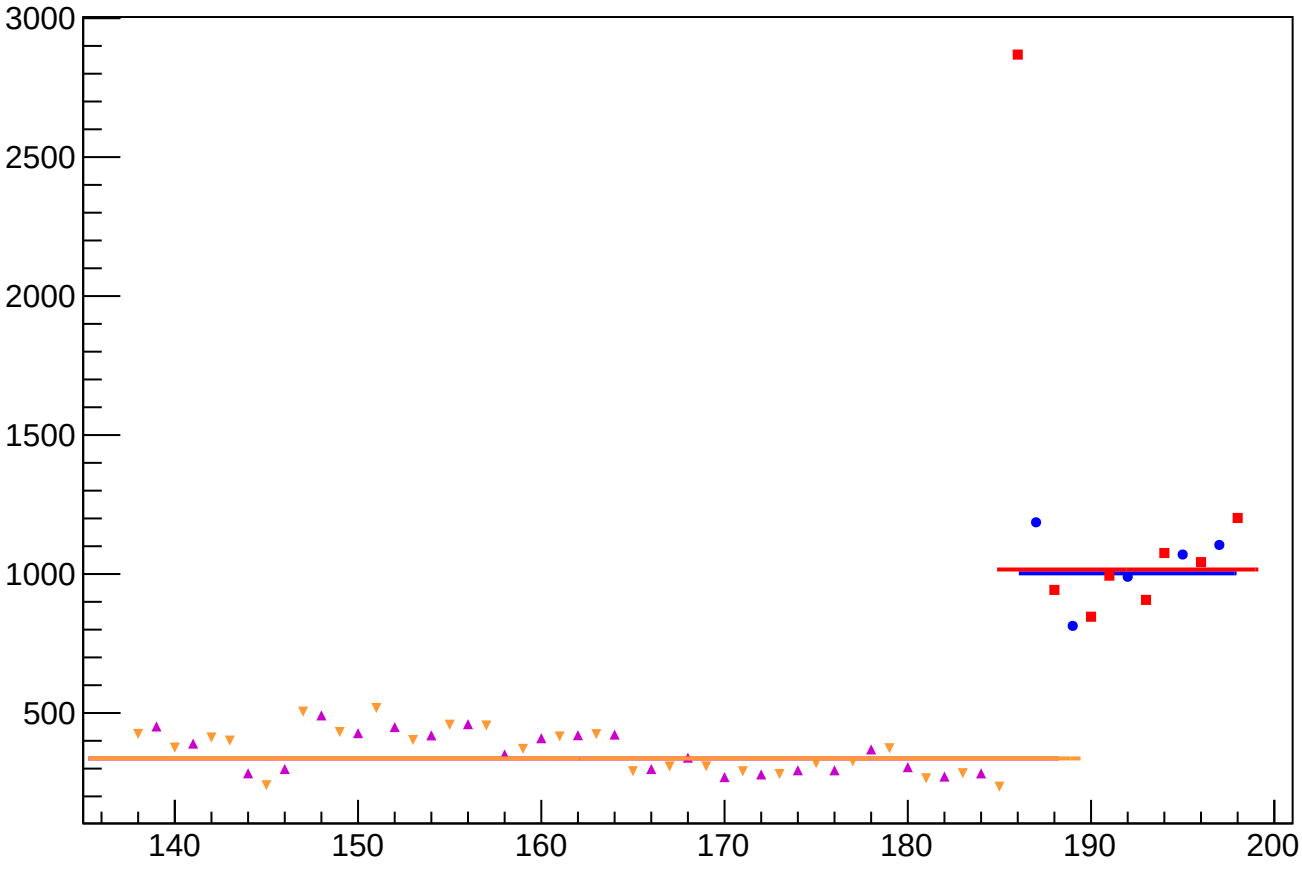
Left: -87.963+/-57.528 χ^2/NDF: 62.8/47

Right: 313.749+/-362.153 χ^2/NDF: 14.7/12

In: -87.447+/-81.493 χ^2/NDF:34.6/27

Out: -69.213+/-79.252 χ^2/NDF:44.1/32

All: -78.076+/-56.816 χ^2/NDF: 78.7/60



Right In: 1002.478+/-0.408 χ^2/NDF: 72326.6/4

Left Out: 336.557+/-0.057 χ^2/NDF:1665919.4/24

Right Out: 1016.308+/-0.329 χ^2/NDF: 411476.6/7

Left In: 336.439+/-0.058 χ^2/NDF:1269066.3/22

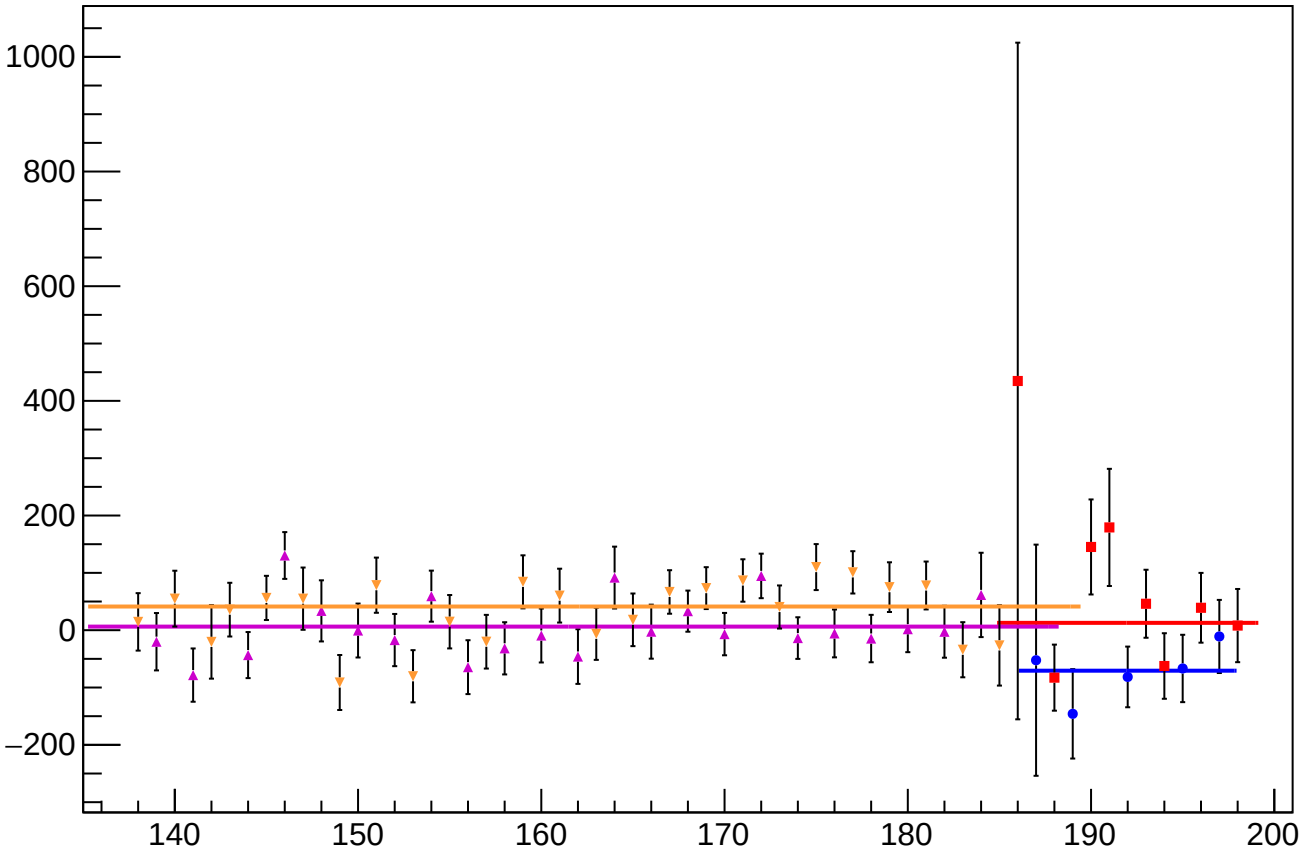
Left: 336.500+/-0.041 χ^2/NDF: 2934987.9/47

Right: 1010.859+/-0.256 χ^2/NDF: 484499.5/12

In: 349.727+/-0.058 χ^2/NDF:3953460.7/27

Out: 356.285+/-0.056 χ^2/NDF:6223392.9/32

All: 353.097+/-0.040 χ^2/NDF: 10183508.7/60



Right In: -70.646+/-30.401 χ^2/NDF: 1.9/4

Left Out: 41.283+/-8.889 χ^2/NDF:34.4/24

Right Out: 12.799+/-24.610 χ^2/NDF: 10.7/7

Left In: 6.254+/-9.175 χ^2/NDF:30.3/22

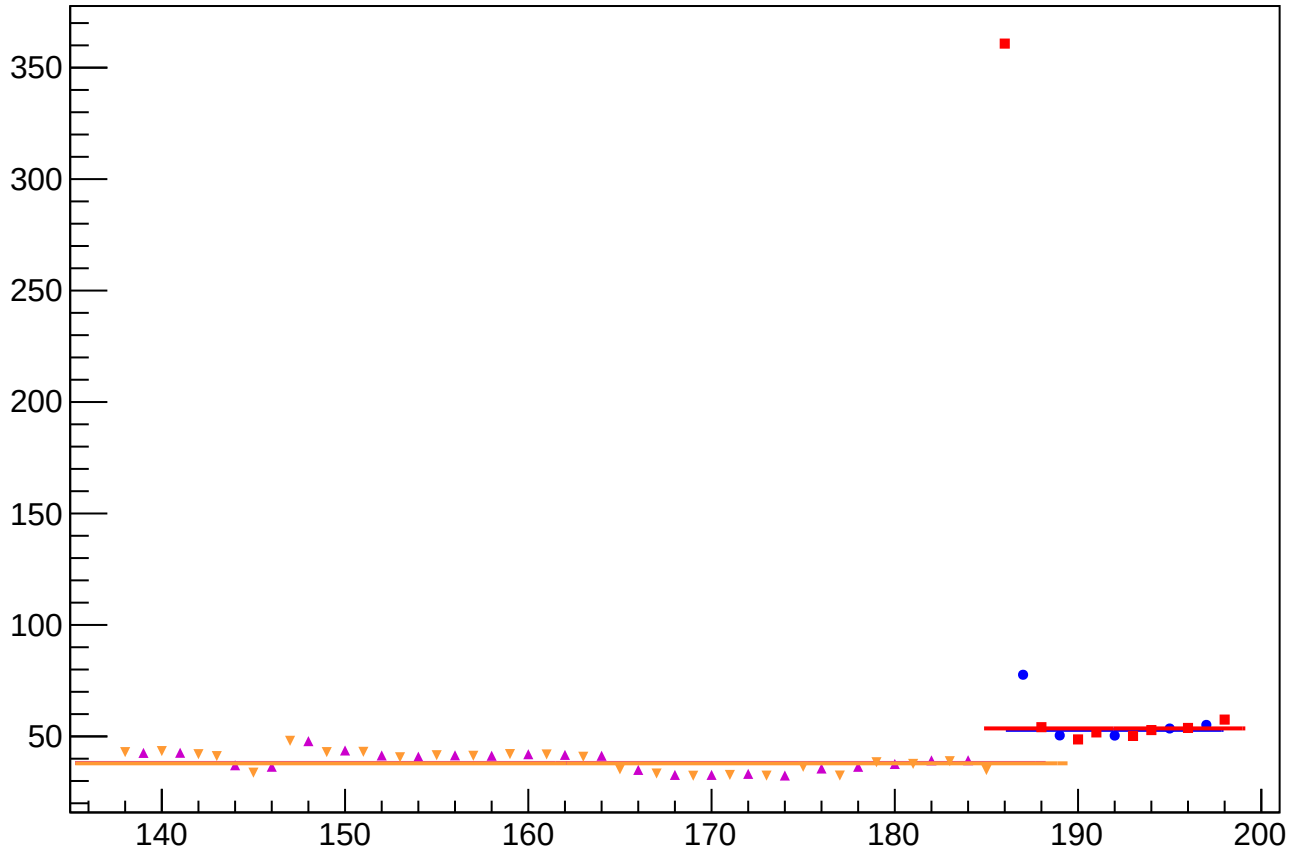
Left: 24.322+/-6.384 χ^2/NDF: 72.2/47

Right: -20.237+/-19.128 χ^2/NDF: 17.1/12

In: -0.165+/-8.783 χ^2/NDF:38.0/27

Out: 37.996+/-8.361 χ^2/NDF:46.3/32

All: 19.856+/-6.056 χ^2/NDF: 94.2/60



Right In: 52.938+/-0.021 χ^2/NDF: 39508.2/4

Left Out: 37.925+/-0.006 χ^2/NDF:487085.3/24

Right Out: 53.584+/-0.017 χ^2/NDF: 564420.3/7

Left In: 38.087+/-0.006 χ^2/NDF:396334.5/22

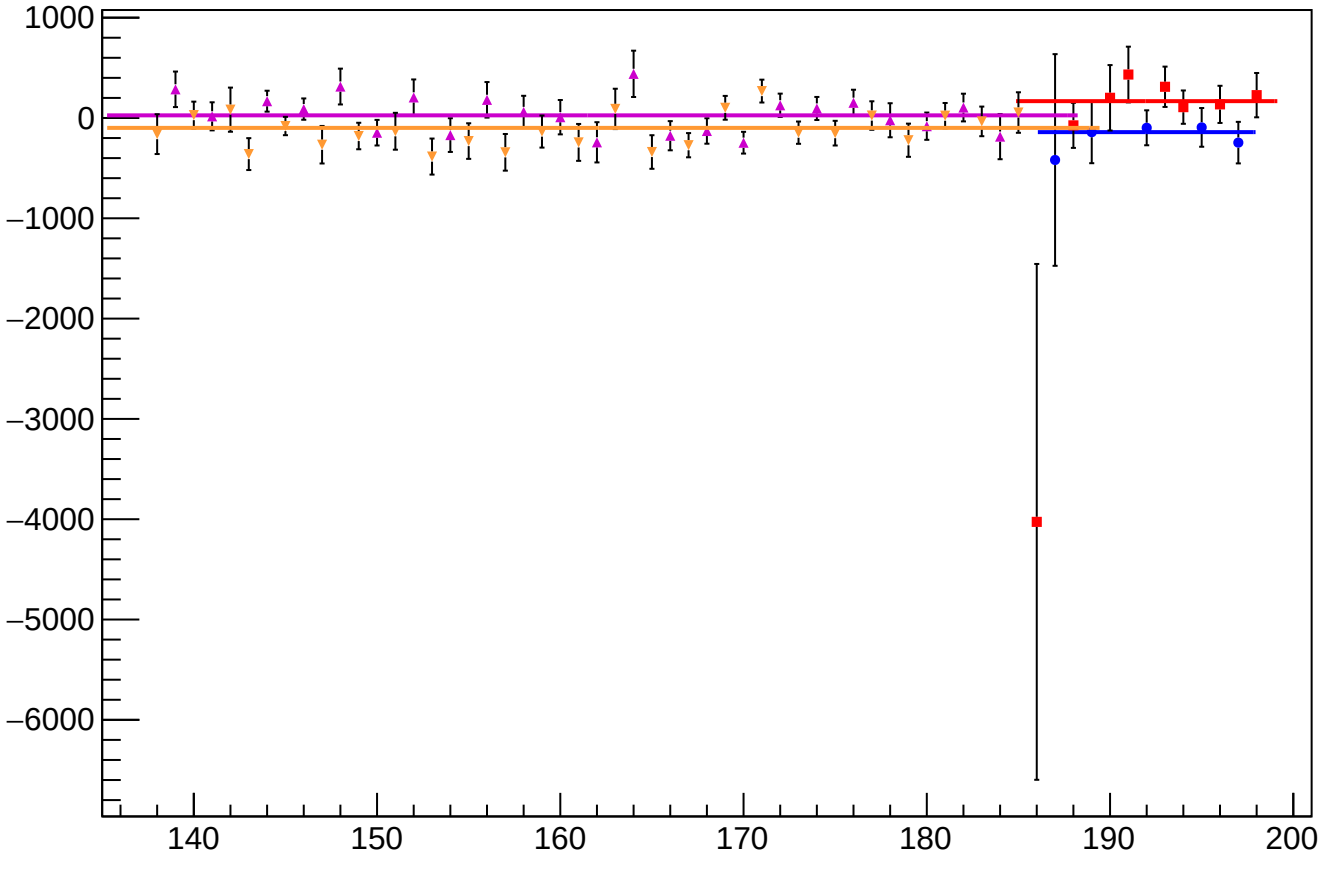
Left: 38.004+/-0.005 χ^2/NDF: 883742.3/47

Right: 53.328+/-0.014 χ^2/NDF: 604473.8/12

In: 39.327+/-0.006 χ^2/NDF:873249.2/27

Out: 39.732+/-0.006 χ^2/NDF:1767711.0/32

All: 39.540+/-0.004 χ^2/NDF: 2643194.0/60



Right In: -141.029+/-102.906 χ^2/NDF: 0.4/4

Left Out: -98.741+/-29.095 χ^2/NDF:32.7/24

Right Out: 167.827+/-80.856 χ^2/NDF: 5.5/7

Left In: 26.223+/-29.676 χ^2/NDF:30.7/22

Left: -37.493+/-20.776 χ^2/NDF: 72.5/47

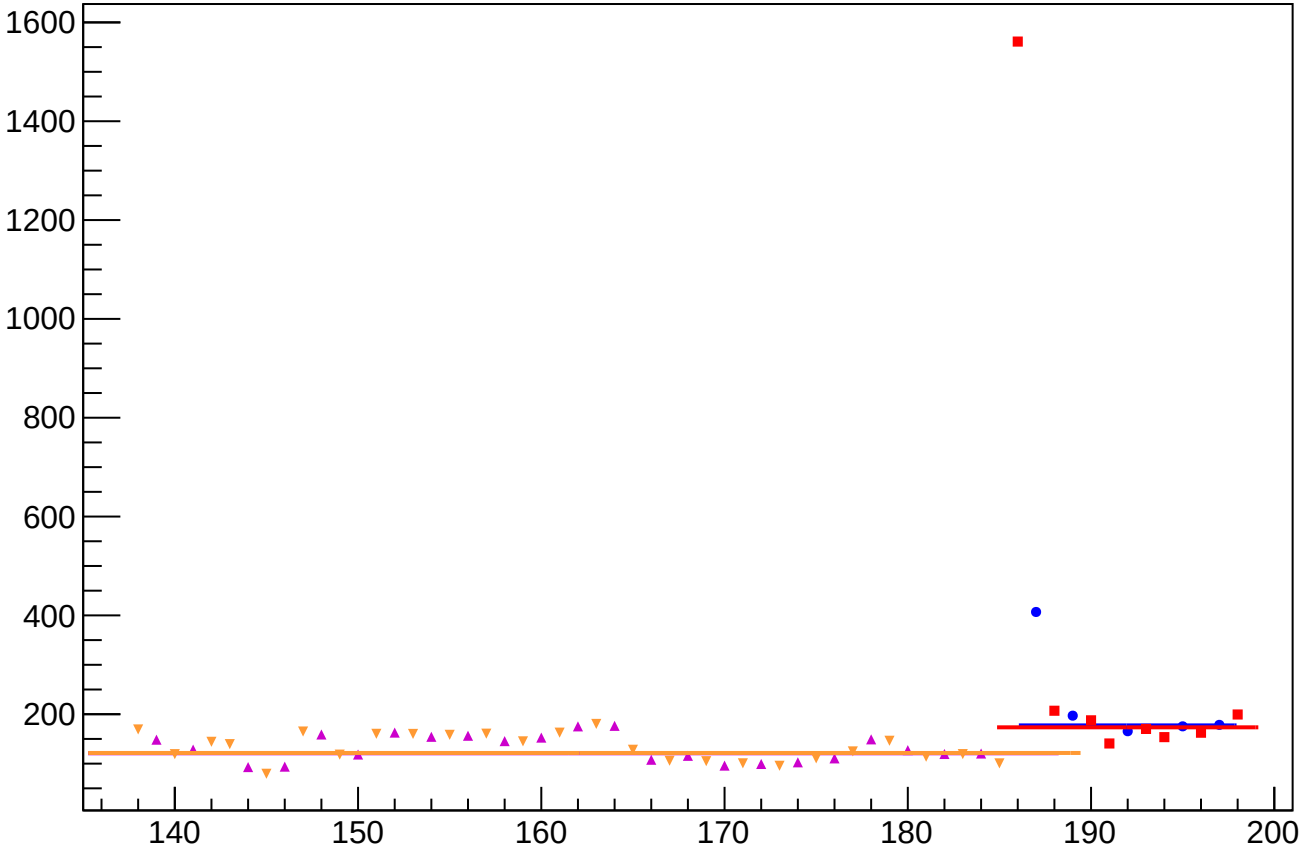
Right: 49.932+/-63.578 χ^2/NDF: 11.5/12

In: 13.382+/-28.514 χ^2/NDF:33.6/27

Out: -68.182+/-27.377 χ^2/NDF:47.9/32

All: -29.058+/-19.748 χ^2/NDF: 85.7/60

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 177.364+/-0.073 χ^2/NDF: 112129.7/4

Left Out: 121.592+/-0.021 χ^2/NDF:1711423.9/24

Right Out: 173.468+/-0.057 χ^2/NDF: 722356.8/7

Left In: 120.927+/-0.021 χ^2/NDF:1382861.4/22

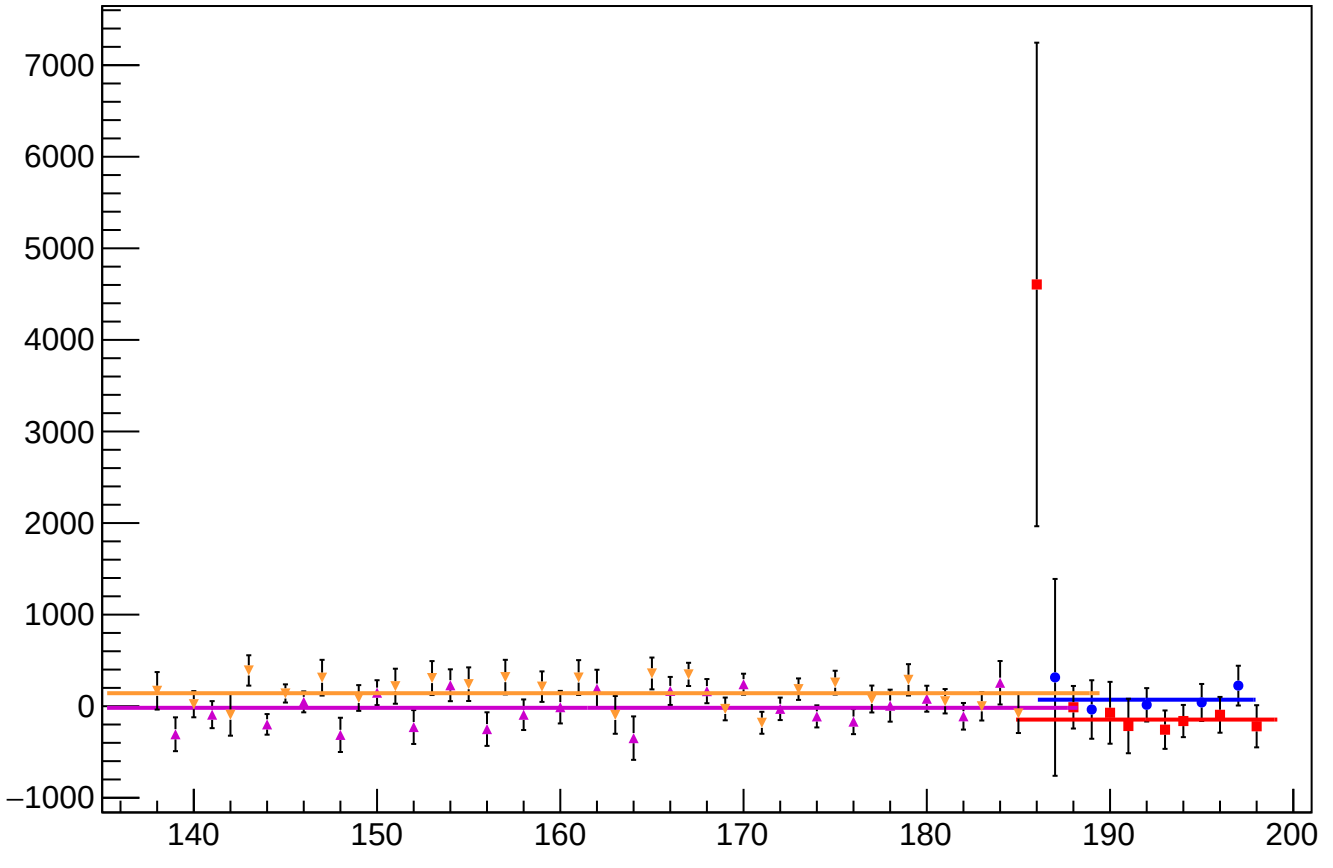
Left: 121.266+/-0.015 χ^2/NDF: 3094797.5/47

Right: 174.955+/-0.045 χ^2/NDF: 836258.9/12

In: 125.260+/-0.020 χ^2/NDF:2050360.1/27

Out: 127.539+/-0.019 χ^2/NDF:3162648.4/32

All: 126.446+/-0.014 χ^2/NDF: 5219657.3/60



Right In: 71.027+/-107.548 χ^2/NDF: 0.8/4

Left Out: 142.014+/-30.574 χ^2/NDF:26.9/24

Right Out: -146.049+/-84.866 χ^2/NDF: 4.1/7

Left In: -17.679+/-31.209 χ^2/NDF:30.1/22

Left: 63.807+/-21.840 χ^2/NDF: 70.4/47

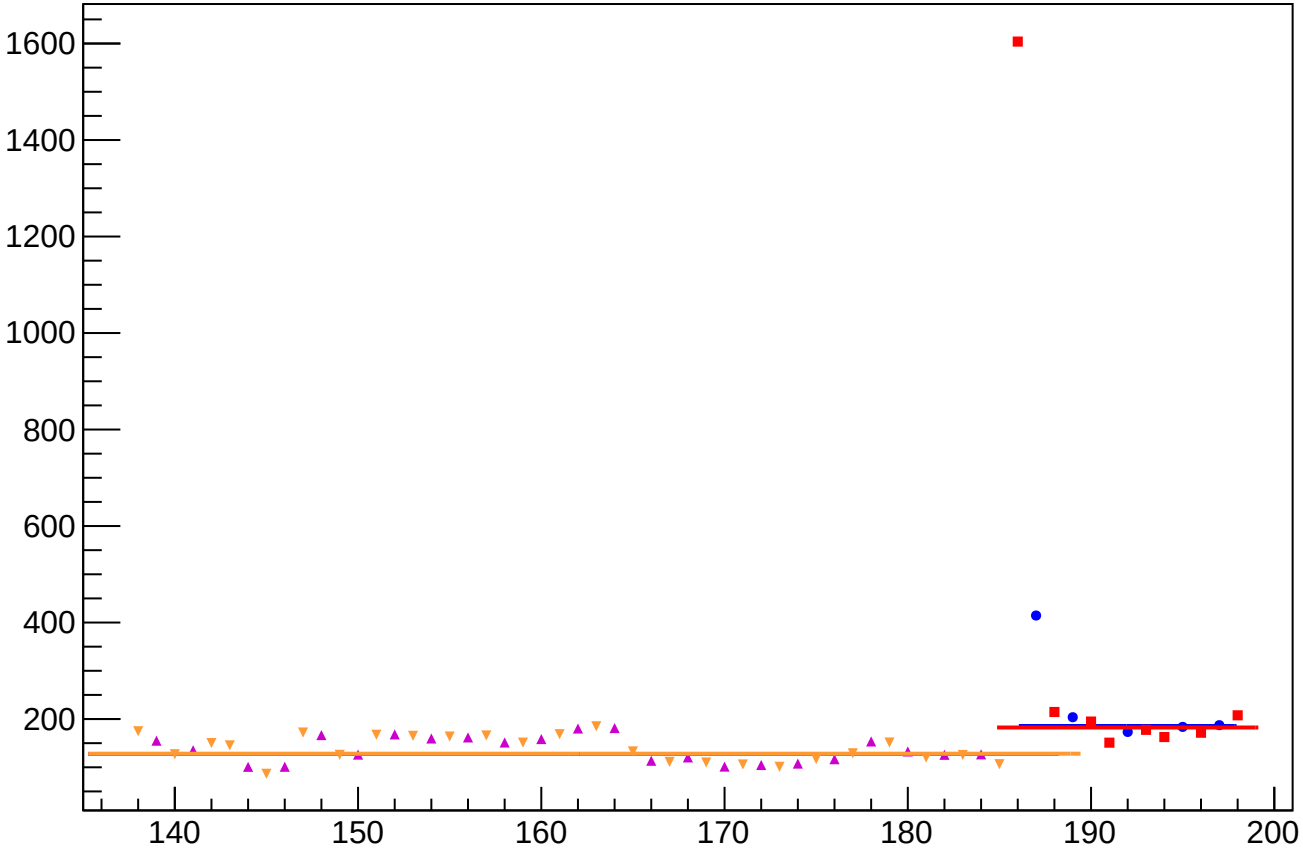
Right: -62.749+/-66.622 χ^2/NDF: 7.4/12

In: -10.790+/-29.972 χ^2/NDF:31.6/27

Out: 108.921+/-28.765 χ^2/NDF:41.2/32

All: 51.526+/-20.753 χ^2/NDF: 81.1/60

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 185.554+/-0.076 χ^2/NDF: 106647.2/4

Left Out: 128.175+/-0.022 χ^2/NDF:1532922.0/24

Right Out: 182.452+/-0.060 χ^2/NDF: 699668.2/7

Left In: 127.544+/-0.022 χ^2/NDF:1235705.3/22

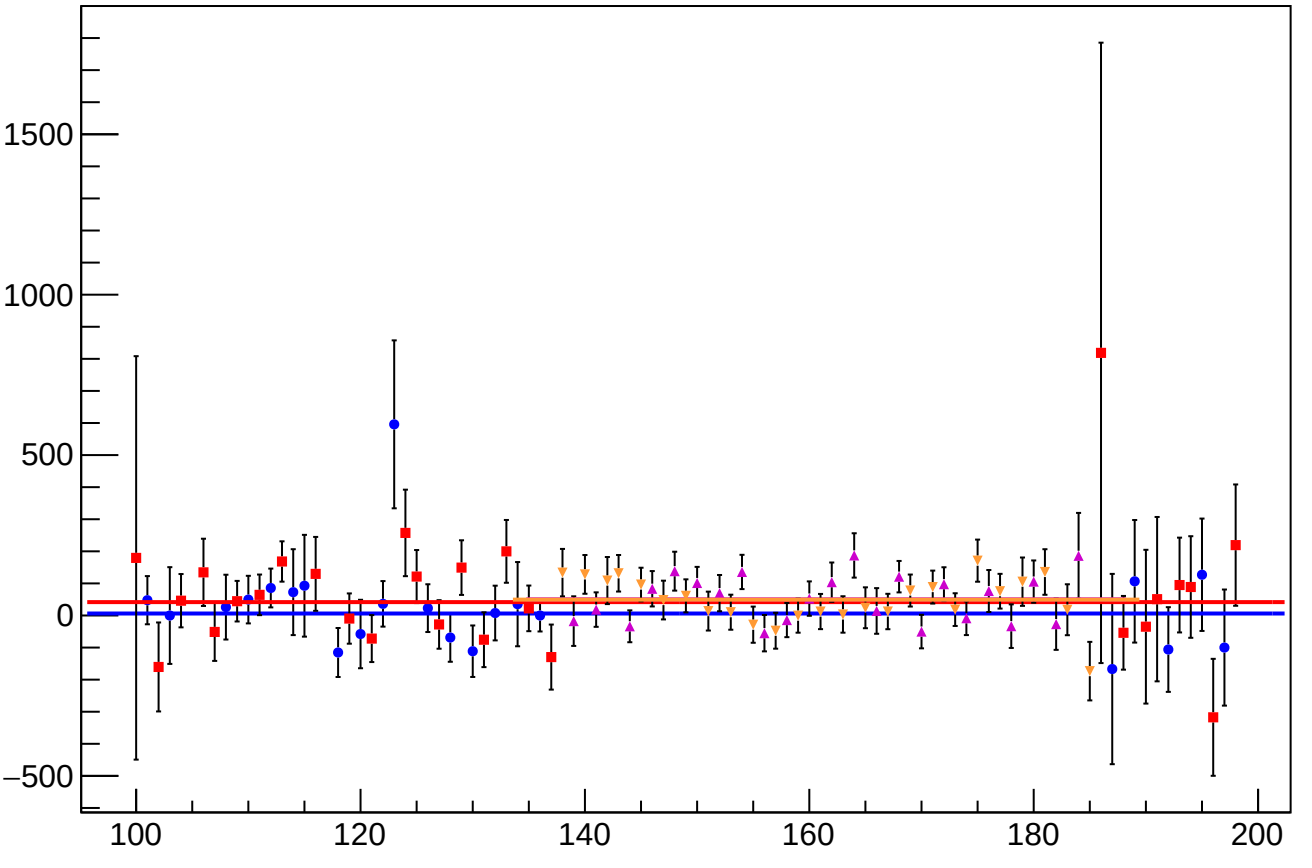
Left: 127.866+/-0.015 χ^2/NDF: 2769045.1/47

Right: 183.642+/-0.047 χ^2/NDF: 807340.4/12

In: 132.049+/-0.021 χ^2/NDF:1879036.8/27

Out: 134.411+/-0.020 χ^2/NDF:2956688.9/32

All: 133.278+/-0.015 χ^2/NDF: 4842187.9/60



Right In: 6.155+/-19.561 χ^2/NDF: 16.5/21

Left Out: 49.402+/-11.806 χ^2/NDF:28.1/24

Right Out: 41.682+/-18.588 χ^2/NDF: 31.4/26

Left In: 50.331+/-12.253 χ^2/NDF:32.2/22

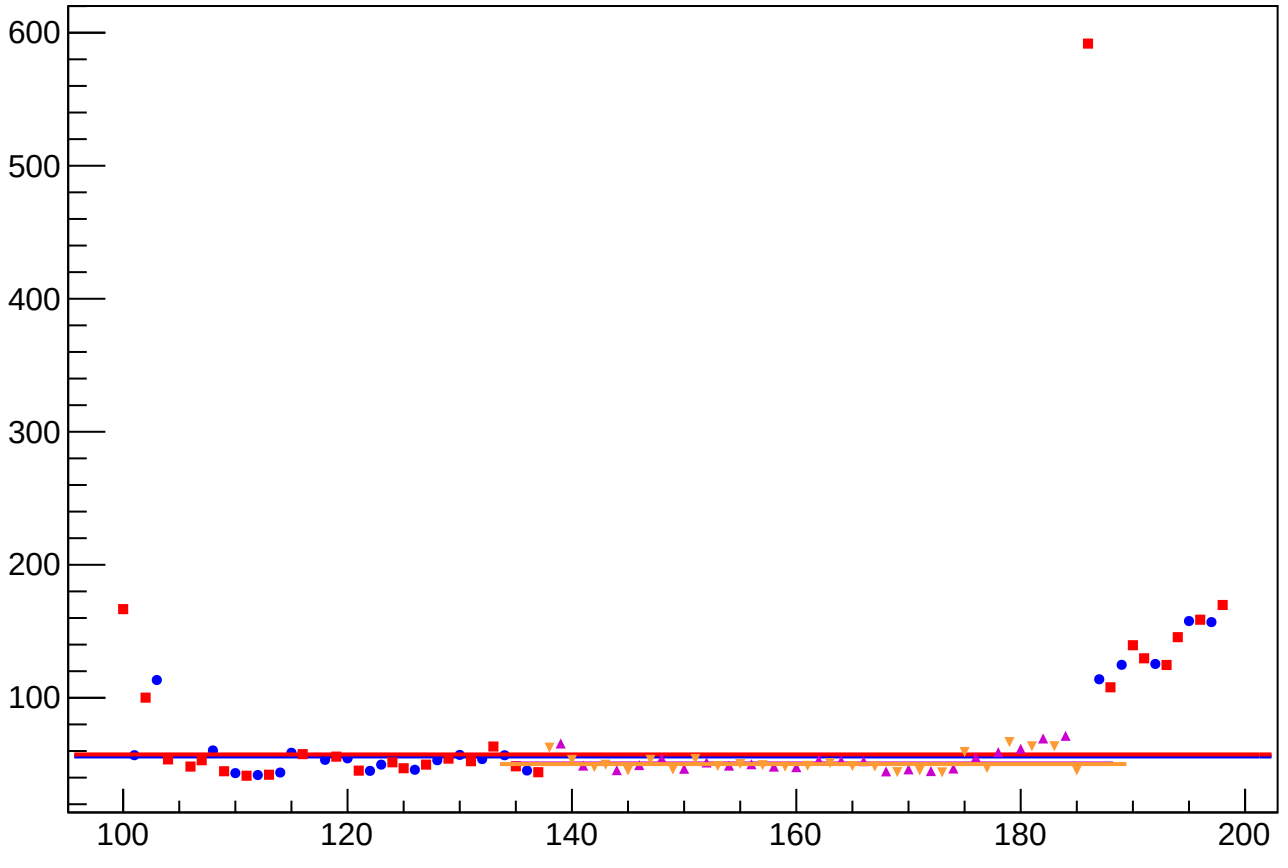
Left: 49.849+/-8.502 χ^2/NDF: 60.3/47

Right: 24.824+/-13.474 χ^2/NDF: 49.7/48

In: 37.881+/-10.384 χ^2/NDF:52.4/44

Out: 47.183+/-9.966 χ^2/NDF:59.6/51

All: 42.723+/-7.190 χ^2/NDF: 112.4/96



Right In: 55.911+/-0.014 χ^2/NDF: 2847707.4/21

Left Out: 50.189+/-0.008 χ^2/NDF:467679.2/24

Right Out: 57.442+/-0.013 χ^2/NDF: 4543309.6/26

Left In: 50.683+/-0.009 χ^2/NDF:469292.3/22

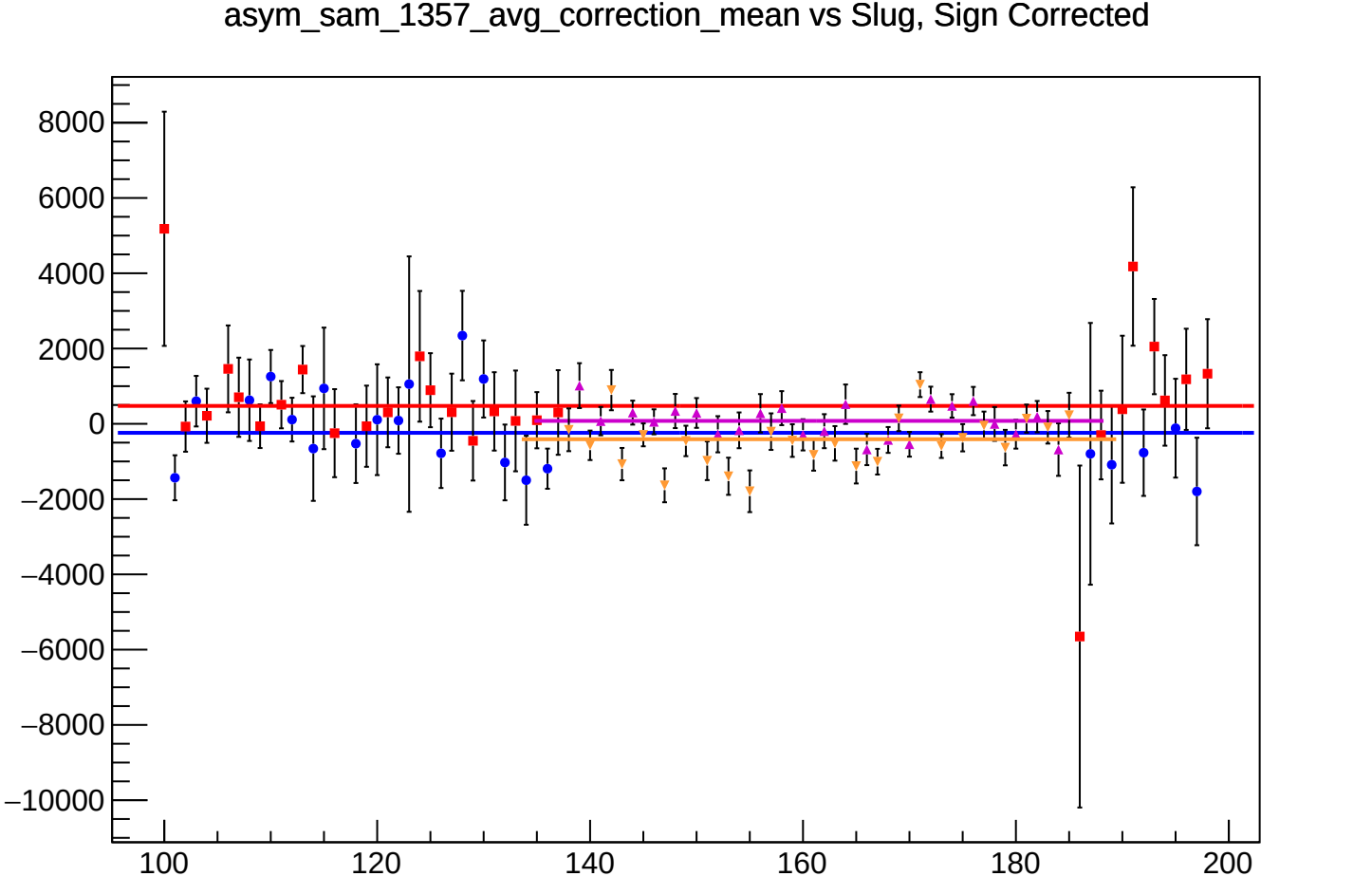
Left: 50.427+/-0.006 χ^2/NDF: 938655.0/47

Right: 56.716+/-0.010 χ^2/NDF: 7397450.7/48

In: 52.157+/-0.007 χ^2/NDF:3419612.8/44

Out: 52.274+/-0.007 χ^2/NDF:5227932.8/51

All: 52.218+/-0.005 χ^2/NDF: 8647678.8/96



Right In: -239.420+/-200.583 χ^2/NDF: 25.8/21

Left Out: -409.164+/-82.348 χ^2/NDF:61.7/24

Right Out: 475.341+/-190.271 χ^2/NDF: 17.3/26

Left In: 77.872+/-84.072 χ^2/NDF:24.8/22

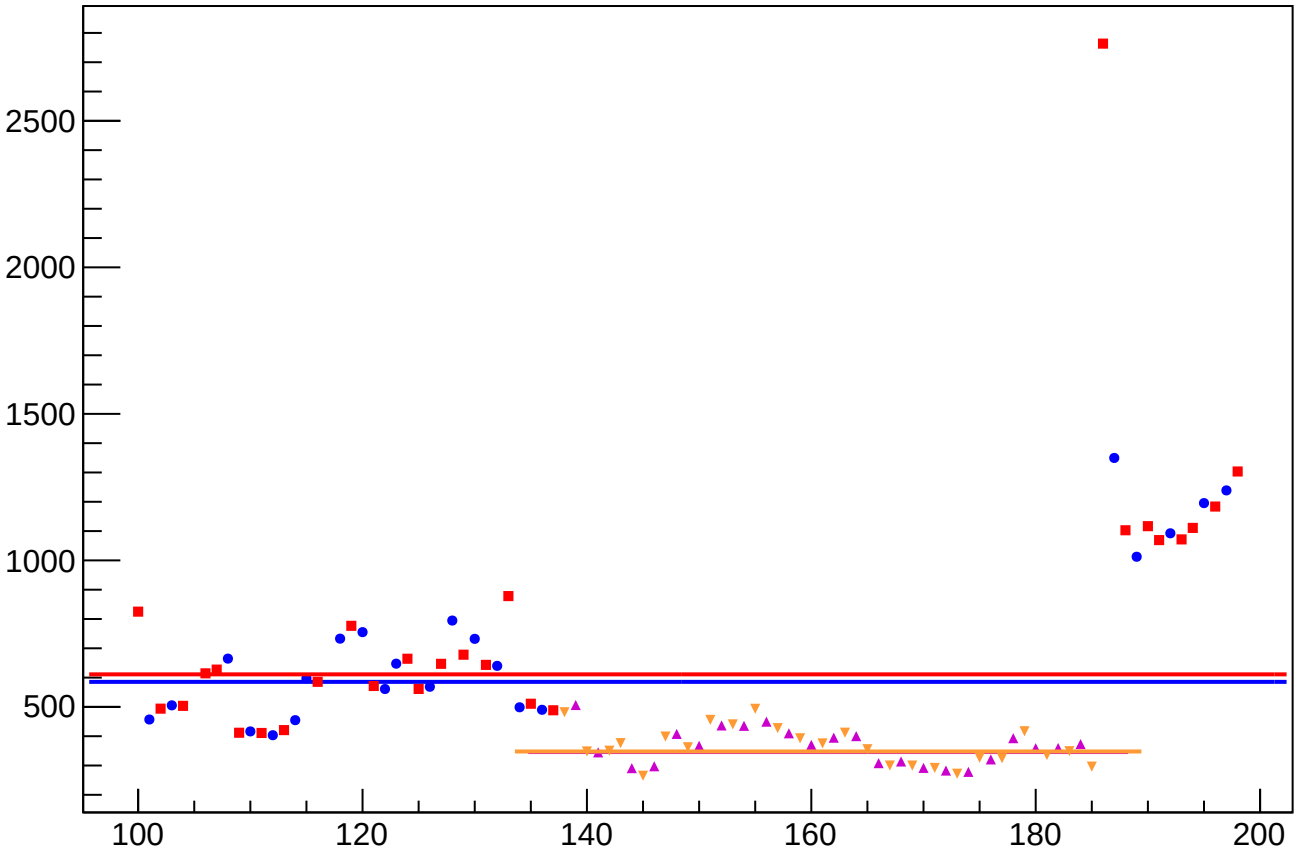
Left: -170.691+/-58.829 χ^2/NDF: 103.6/47

Right: 136.806+/-138.044 χ^2/NDF: 49.7/48

In: 30.460+/-77.537 χ^2/NDF:52.7/44

Out: -269.623+/-75.574 χ^2/NDF:97.1/51

All: -123.428+/-54.120 χ^2/NDF: 157.6/96



Right In: 585.469+/-0.142 χ^2/NDF: 2199982.3/21

Left Out: 347.875+/-0.058 χ^2/NDF:1044096.7/24

Right Out: 611.088+/-0.135 χ^2/NDF: 3406262.9/26

Left In: 345.954+/-0.059 χ^2/NDF:900847.0/22

Left: 346.935+/-0.042 χ^2/NDF: 1945476.7/47

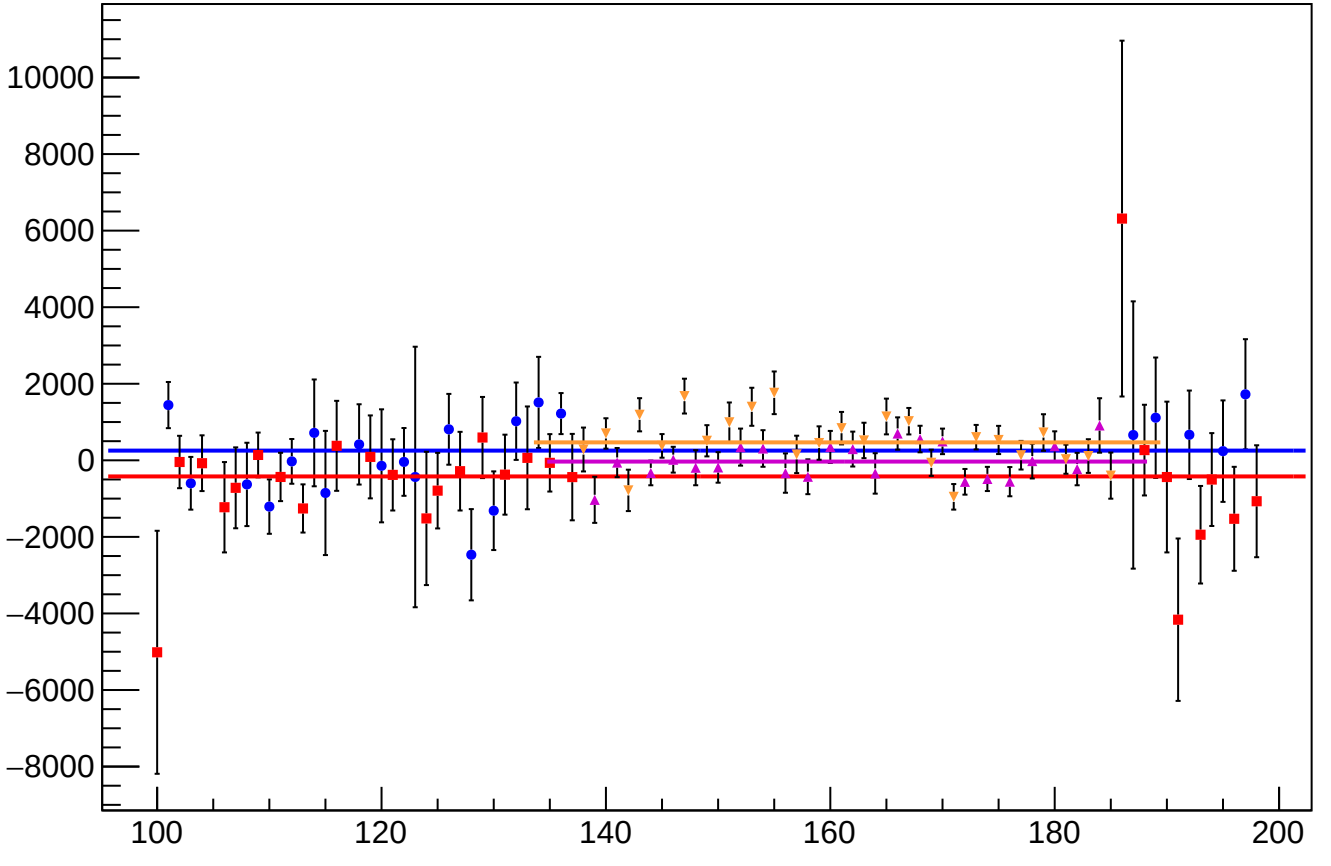
Right: 598.954+/-0.098 χ^2/NDF: 5623418.7/48

In: 381.744+/-0.055 χ^2/NDF:5526413.4/44

Out: 389.400+/-0.053 χ^2/NDF:7673914.6/51

All: 385.670+/-0.038 χ^2/NDF: 13210327.6/96

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 253.636+/-202.011 χ^2/NDF: 25.7/21

Left Out: 468.863+/-83.295 χ^2/NDF:57.5/24

Right Out: -420.724+/-191.751 χ^2/NDF: 16.2/26

Left In: -32.801+/-85.064 χ^2/NDF:25.7/22

Left: 223.299+/-59.514 χ^2/NDF: 100.9/47

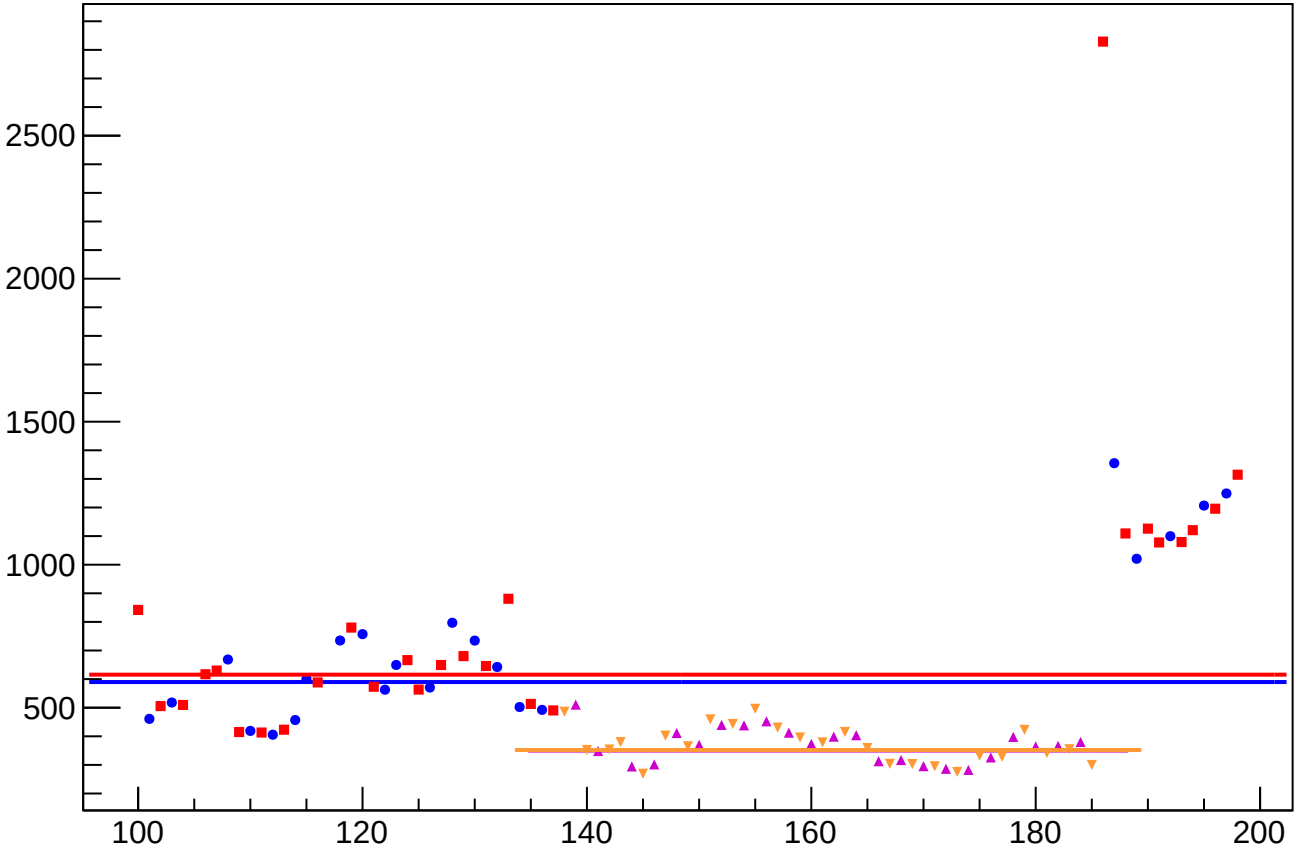
Right: -101.104+/-139.074 χ^2/NDF: 47.8/48

In: 10.338+/-78.397 χ^2/NDF:53.1/44

Out: 327.647+/-76.399 χ^2/NDF:91.8/51

All: 173.088+/-54.715 χ^2/NDF: 153.3/96

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 589.755+/-0.143 χ^2/NDF: 2194069.7/21

Left Out: 352.015+/-0.059 χ^2/NDF:1017195.6/24

Right Out: 615.547+/-0.136 χ^2/NDF: 3407076.0/26

Left In: 350.160+/-0.060 χ^2/NDF:878380.0/22

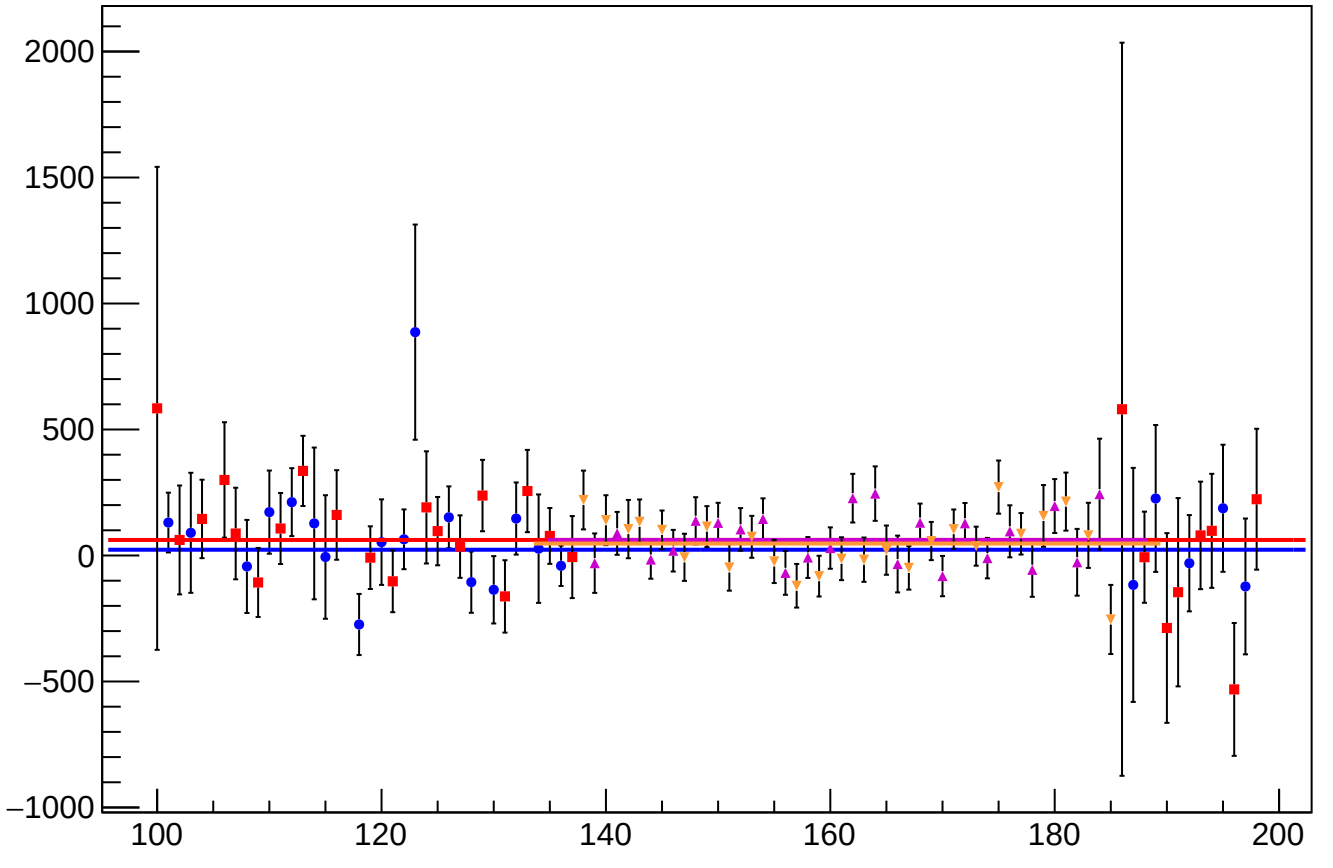
Left: 351.107+/-0.042 χ^2/NDF: 1896060.8/47

Right: 603.322+/-0.098 χ^2/NDF: 5618295.6/48

In: 386.245+/-0.055 χ^2/NDF:5462134.8/44

Out: 393.849+/-0.054 χ^2/NDF:7602236.5/51

All: 390.145+/-0.039 χ^2/NDF: 13074021.1/96



Right In: 22.872+/-33.208 χ^2/NDF: 20.6/21

Left Out: 47.426+/-18.253 χ^2/NDF:29.4/24

Right Out: 61.688+/-32.622 χ^2/NDF: 22.5/26

Left In: 61.830+/-18.958 χ^2/NDF:24.0/22

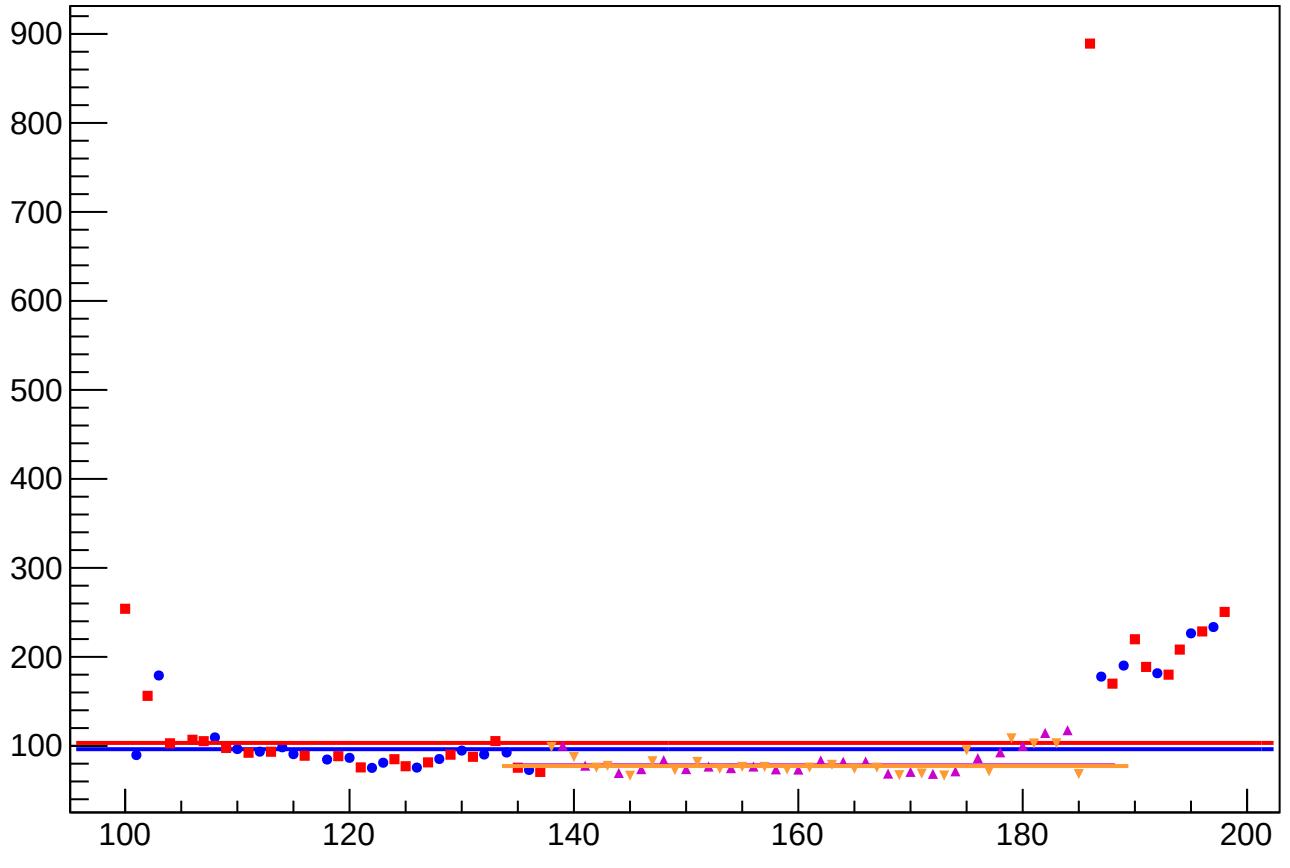
Left: 54.355+/-13.149 χ^2/NDF: 53.7/47

Right: 42.626+/-23.272 χ^2/NDF: 43.8/48

In: 52.254+/-16.464 χ^2/NDF:45.6/44

Out: 50.826+/-15.929 χ^2/NDF:52.0/51

All: 51.517+/-11.448 χ^2/NDF: 97.6/96



Right In: 96.259+/-0.023 χ^2/NDF: 2318704.4/21

Left Out: 77.316+/-0.013 χ^2/NDF:635622.3/24

Right Out: 103.310+/-0.023 χ^2/NDF: 3581431.9/26

Left In: 78.139+/-0.013 χ^2/NDF:582108.1/22

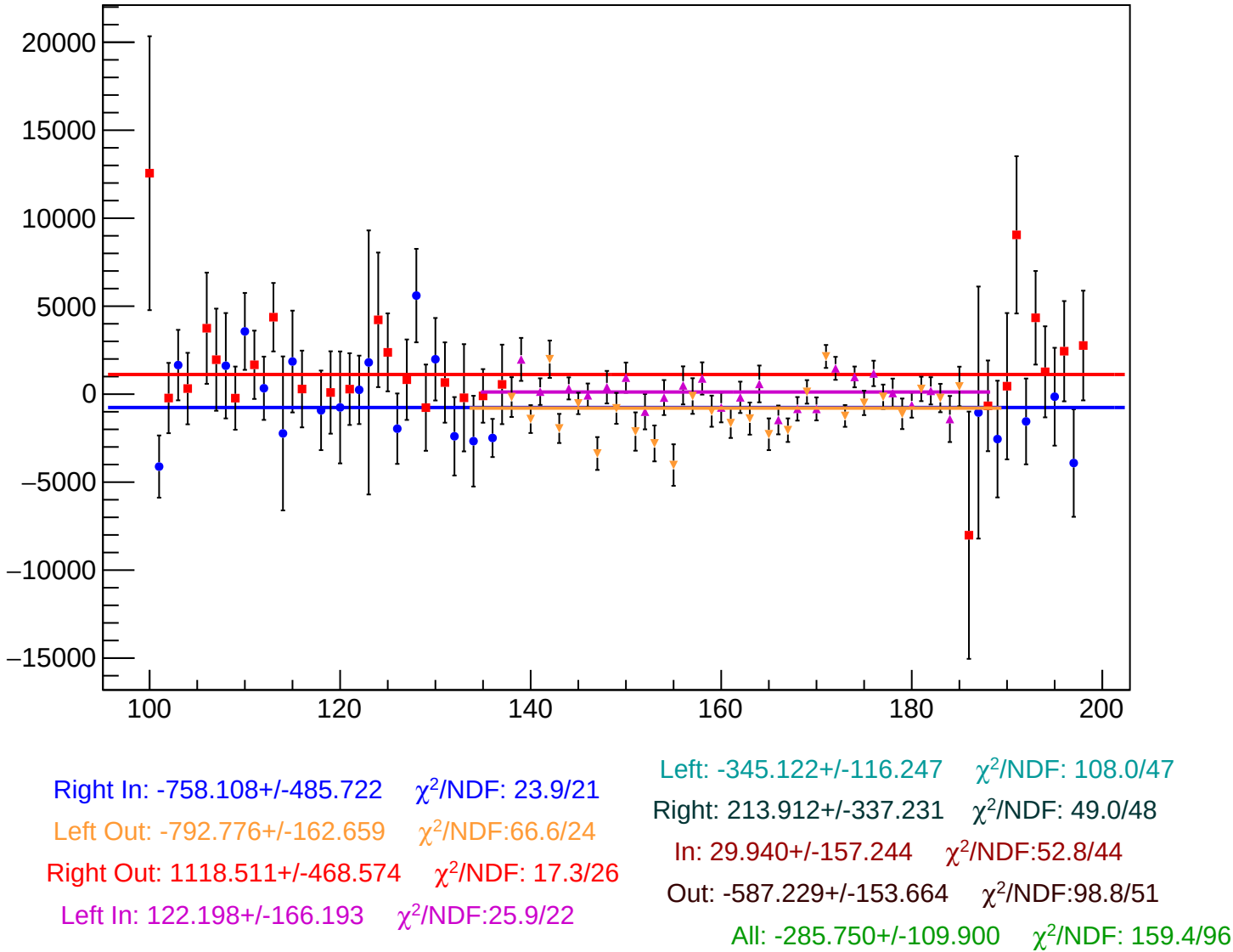
Left: 77.712+/-0.009 χ^2/NDF: 1219684.1/47

Right: 99.847+/-0.016 χ^2/NDF: 5946025.2/48

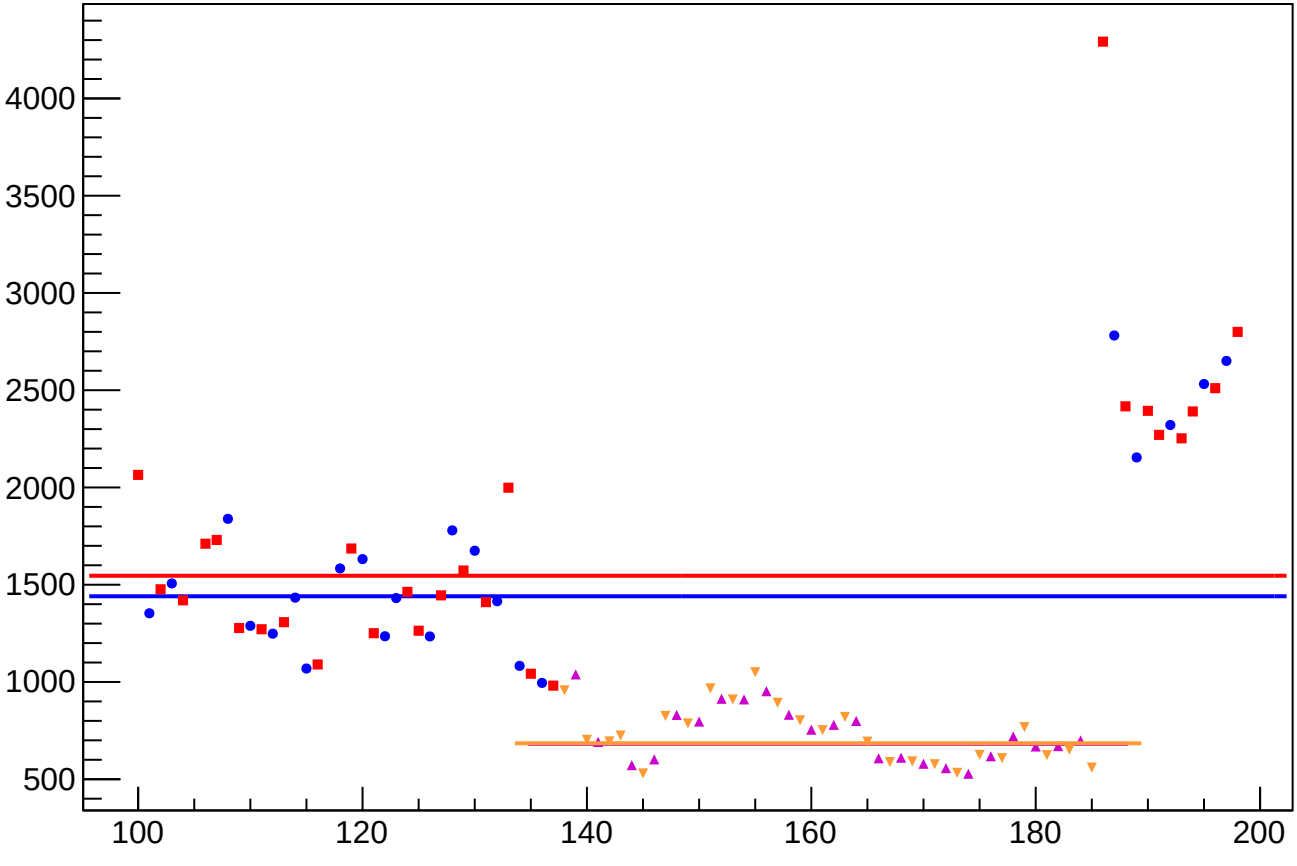
In: 82.593+/-0.012 χ^2/NDF:3349937.5/44

Out: 83.514+/-0.011 χ^2/NDF:5184150.6/51

All: 83.068+/-0.008 χ^2/NDF: 8537321.9/96


asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -758.108+/-485.722 χ²/NDF: 23.9/21
Left Out: -792.776+/-162.659 χ²/NDF:66.6/24
Right Out: 1118.511+/-468.574 χ²/NDF: 17.3/26
Left In: 122.198+/-166.193 χ²/NDF:25.9/22
Left: -345.122+/-116.247 χ²/NDF: 108.0/47
Right: 213.912+/-337.231 χ²/NDF: 49.0/48
In: 29.940+/-157.244 χ²/NDF:52.8/44
Out: -587.229+/-153.664 χ²/NDF:98.8/51
All: -285.750+/-109.900 χ²/NDF: 159.4/96

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1440.693+/-0.343 χ^2/NDF: 1640339.3/21

Left Out: 684.785+/-0.115 χ^2/NDF:1280146.2/24

Right Out: 1546.235+/-0.331 χ^2/NDF: 2293641.7/26

Left In: 681.712+/-0.118 χ^2/NDF:1119637.0/22

Left: 683.282+/-0.082 χ^2/NDF: 2400132.5/47

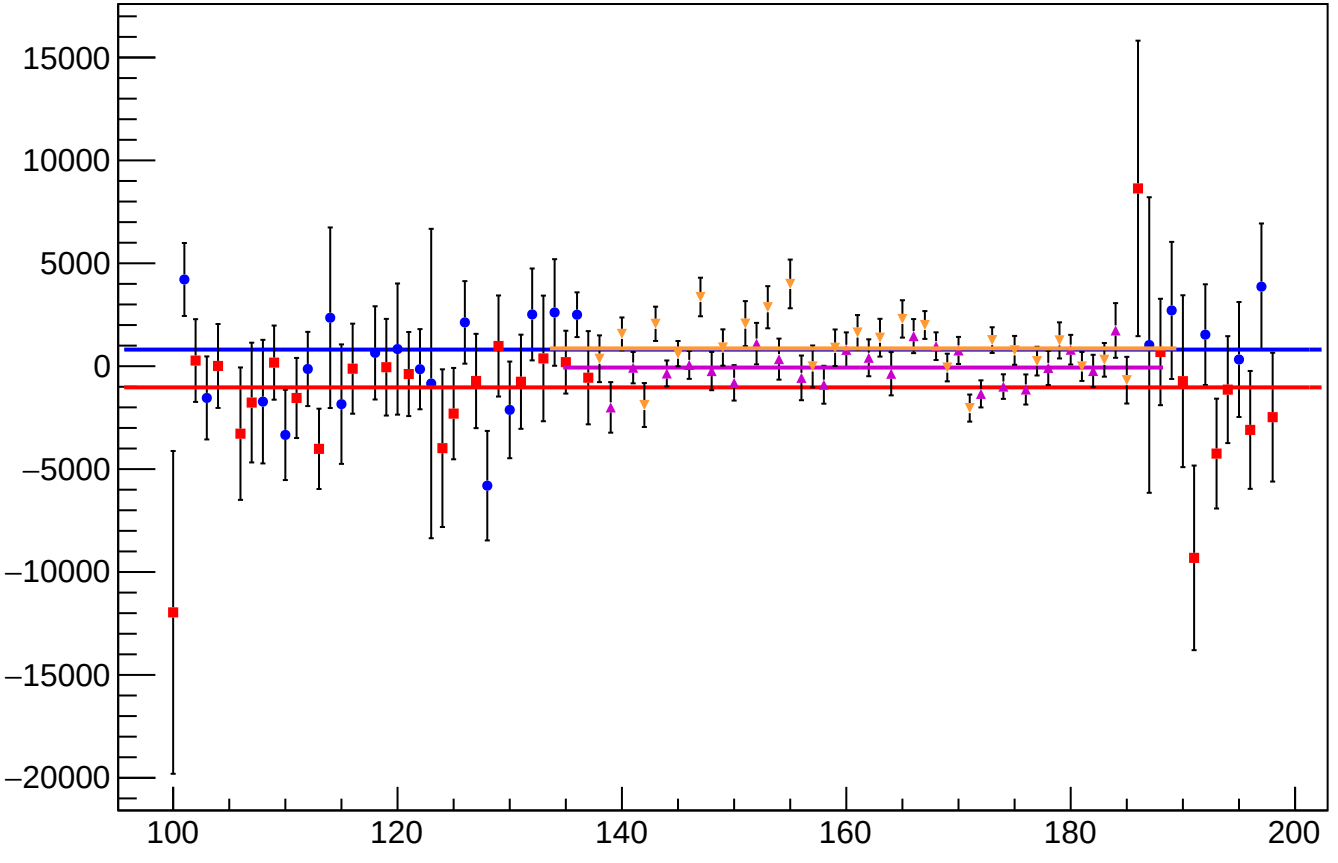
Right: 1495.360+/-0.238 χ^2/NDF: 3982892.0/48

In: 761.255+/-0.111 χ^2/NDF:7131524.6/44

Out: 777.429+/-0.109 χ^2/NDF:9606619.4/51

All: 769.528+/-0.078 χ^2/NDF: 16748967.0/96

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 807.071+/-487.160 χ^2/NDF: 24.0/21

Left Out: 865.597+/-163.885 χ^2/NDF:62.8/24

Right Out: -1029.055+/-470.207 χ^2/NDF: 16.9/26

Left In: -65.924+/-167.485 χ^2/NDF:26.4/22

Left: 409.953+/-117.136 χ^2/NDF: 105.1/47

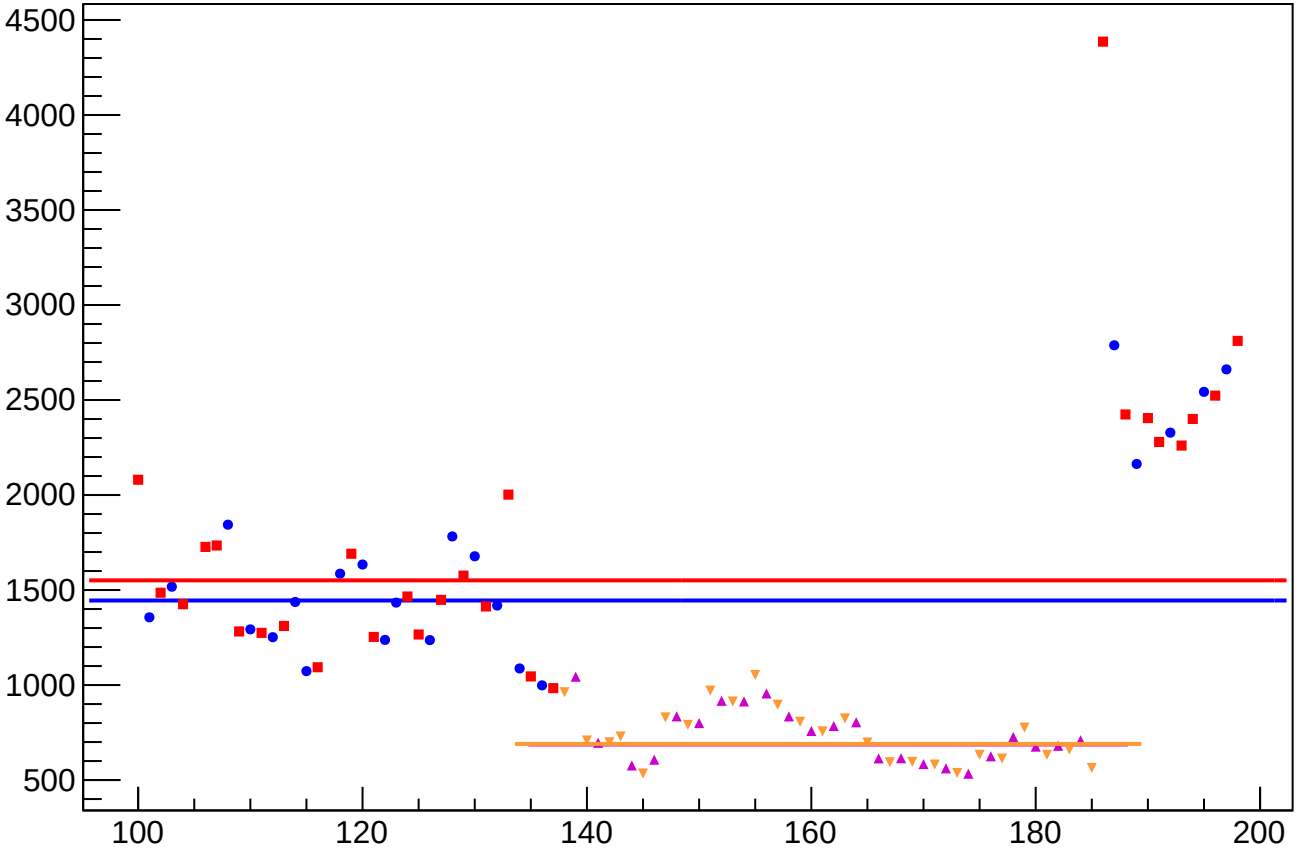
Right: -143.495+/-338.321 χ^2/NDF: 48.2/48

In: 26.354+/-158.386 χ^2/NDF:53.3/44

Out: 660.367+/-154.755 χ^2/NDF:94.2/51

All: 350.711+/-110.690 χ^2/NDF: 155.6/96

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1444.899+/-0.344 χ^2/NDF: 1642094.8/21

Left Out: 690.166+/-0.116 χ^2/NDF:1258158.2/24

Right Out: 1550.880+/-0.332 χ^2/NDF: 2305189.2/26

Left In: 687.216+/-0.118 χ^2/NDF:1099706.1/22

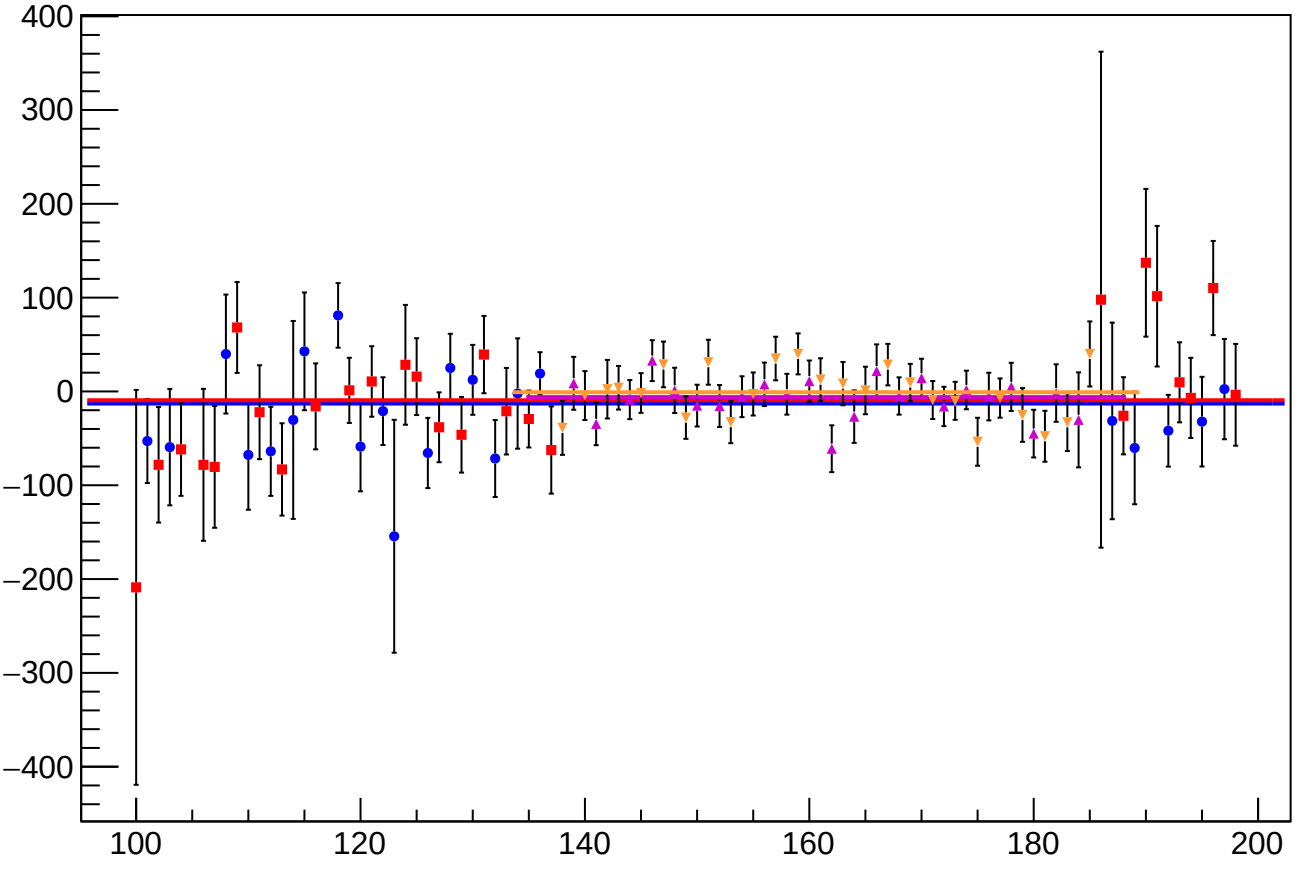
Left: 688.723+/-0.083 χ^2/NDF: 2358181.3/47

Right: 1499.766+/-0.239 χ^2/NDF: 3996287.4/48

In: 767.306+/-0.112 χ^2/NDF:7068365.9/44

Out: 783.399+/-0.109 χ^2/NDF:9538900.0/51

All: 775.539+/-0.078 χ^2/NDF: 16617829.7/96



Right In: -12.887+/-9.515 χ^2/NDF: 23.7/21

Left Out: -0.861+/-4.760 χ^2/NDF:27.9/24

Right Out: -9.379+/-9.166 χ^2/NDF: 27.7/26

Left In: -6.042+/-4.925 χ^2/NDF:16.9/22

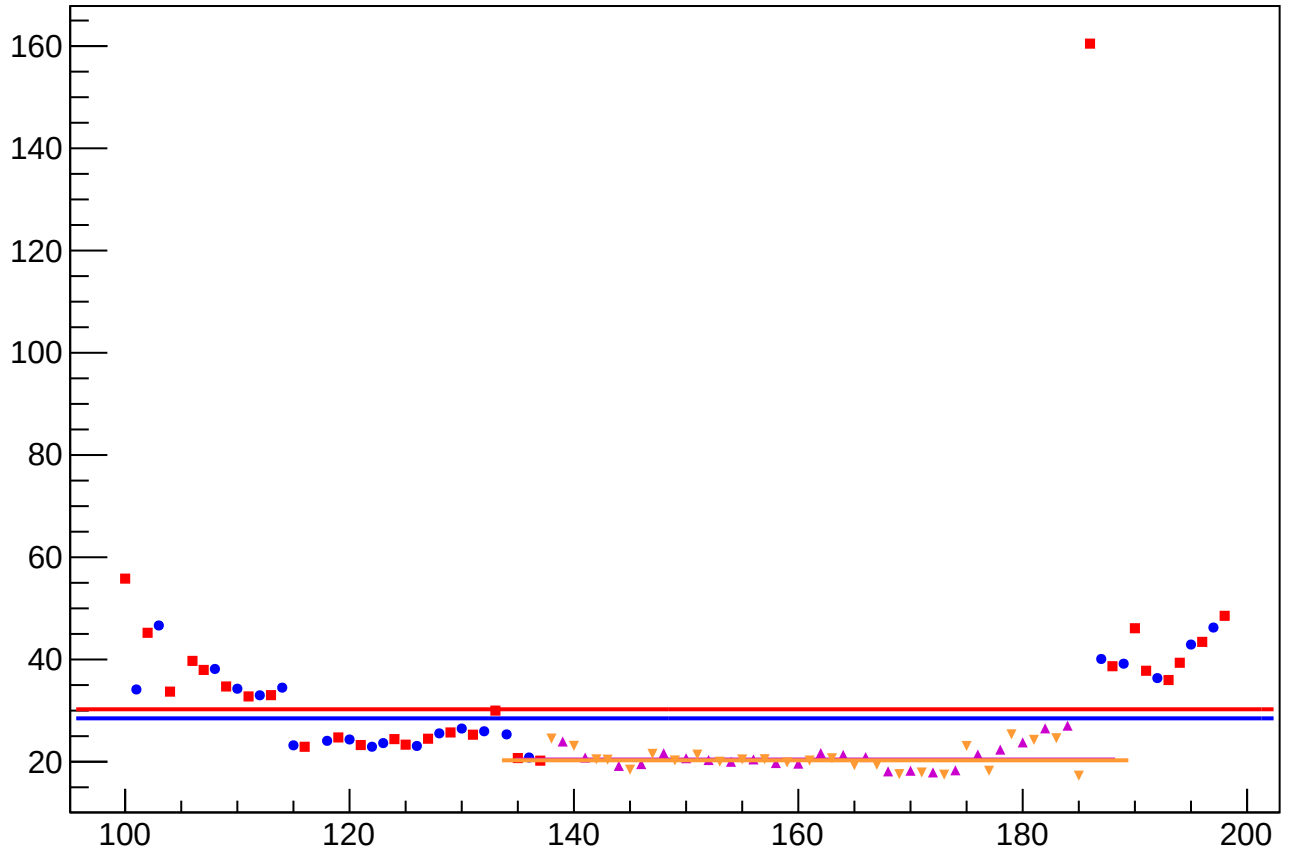
Left: -3.363+/-3.423 χ^2/NDF: 45.4/47

Right: -11.068+/-6.601 χ^2/NDF: 51.4/48

In: -7.488+/-4.374 χ^2/NDF:41.0/44

Out: -2.671+/-4.225 χ^2/NDF:56.3/51

All: -4.996+/-3.039 χ^2/NDF: 97.9/96



Right In: 28.485+/-0.007 χ^2/NDF: 1282782.3/21

Left Out: 20.279+/-0.003 χ^2/NDF:407056.4/24

Right Out: 30.259+/-0.006 χ^2/NDF: 2042253.2/26

Left In: 20.424+/-0.003 χ^2/NDF:323427.4/22

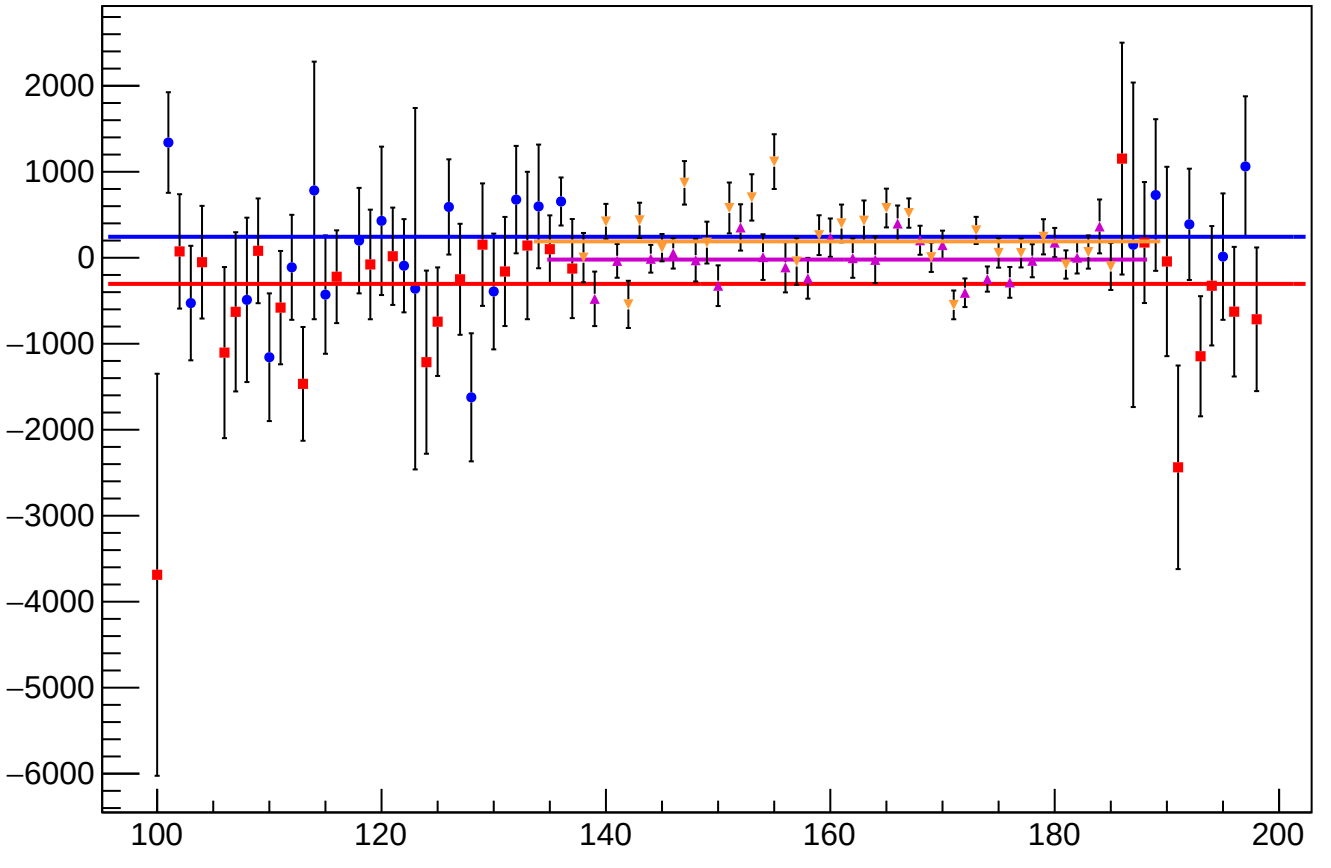
Left: 20.349+/-0.002 χ^2/NDF: 731373.7/47

Right: 29.405+/-0.005 χ^2/NDF: 3361110.1/48

In: 22.127+/-0.003 χ^2/NDF:2738397.8/44

Out: 22.399+/-0.003 χ^2/NDF:4316637.8/51

All: 22.268+/-0.002 χ^2/NDF: 7059033.8/96



Right In: 243.980+/-137.566 χ^2/NDF: 22.9/21

Left Out: 190.867+/-41.314 χ^2/NDF:67.9/24

Right Out: -303.861+/-133.921 χ^2/NDF: 17.4/26

Left In: -20.998+/-42.291 χ^2/NDF:27.7/22

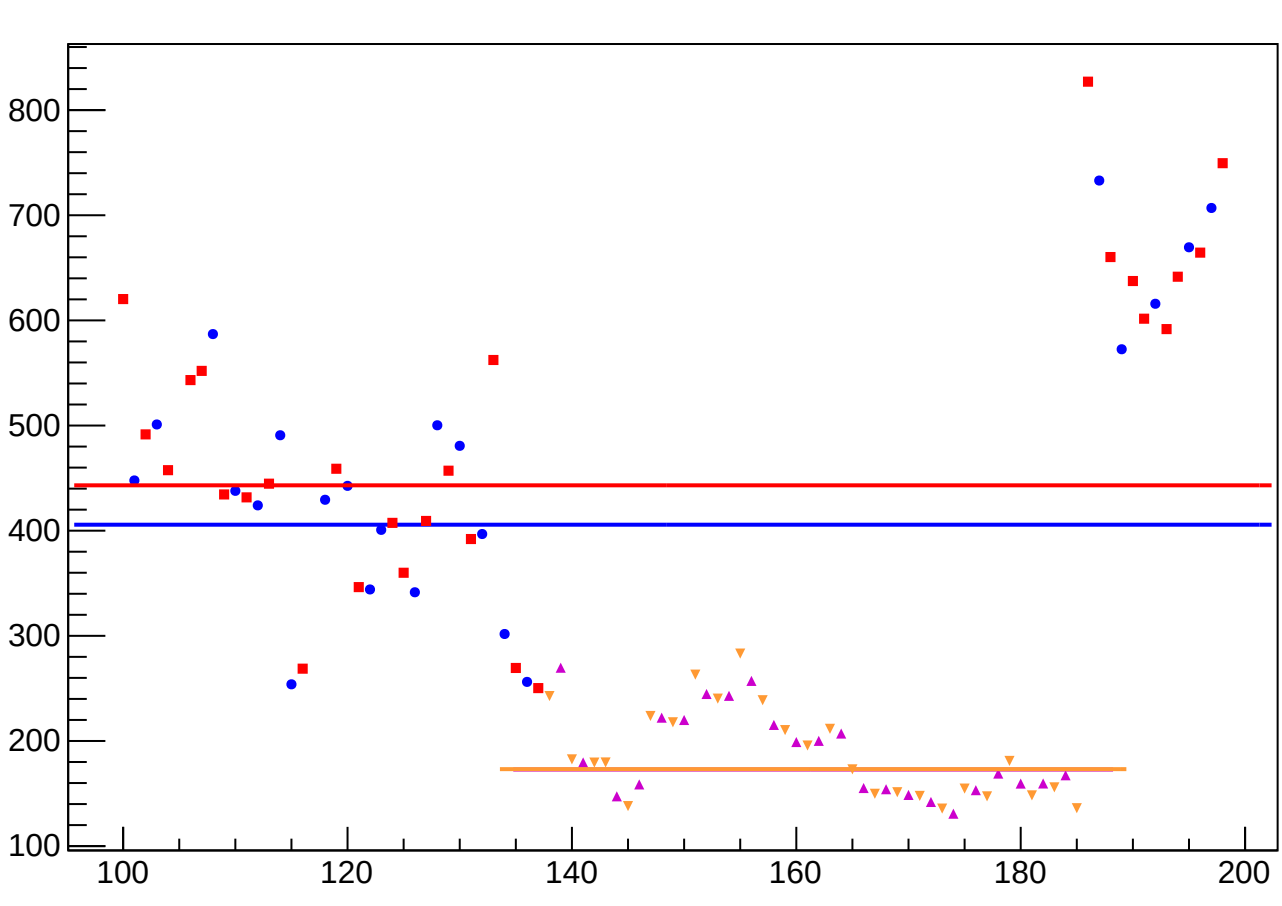
Left: 87.410+/-29.553 χ^2/NDF: 108.4/47

Right: -37.295+/-95.959 χ^2/NDF: 48.4/48

In: 1.882+/-40.424 χ^2/NDF:54.0/44

Out: 147.876+/-39.478 χ^2/NDF:97.7/51

All: 76.607+/-28.244 χ^2/NDF: 158.4/96



Right In: 405.692+/-0.097 χ^2/NDF: 1837136.5/21

Left Out: 173.210+/-0.029 χ^2/NDF:1561250.6/24

Right Out: 443.142+/-0.095 χ^2/NDF: 2195581.4/26

Left In: 172.828+/-0.030 χ^2/NDF:1372131.7/22

Left: 173.023+/-0.021 χ^2/NDF: 2933465.9/47

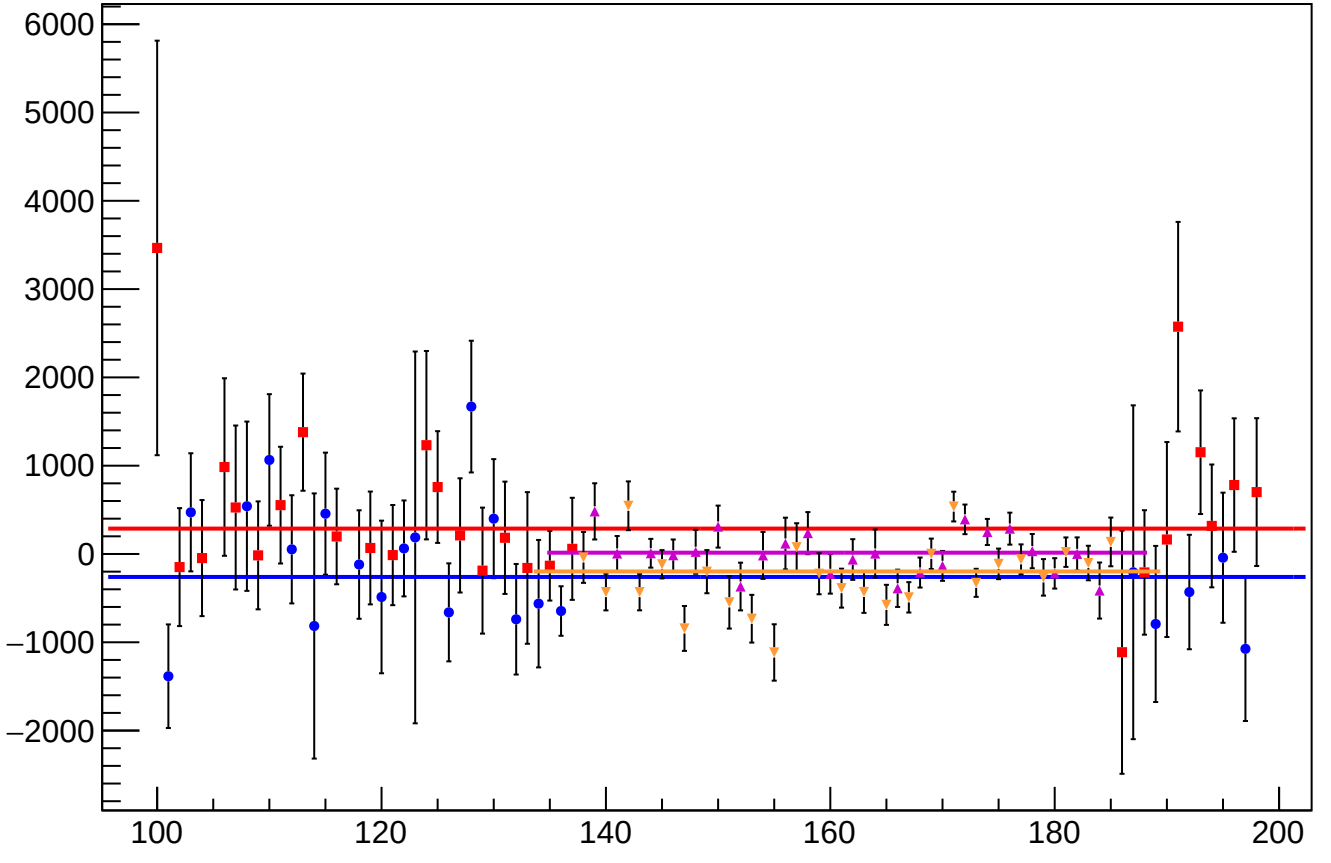
Right: 424.920+/-0.068 χ^2/NDF: 4108818.9/48

In: 192.935+/-0.029 χ^2/NDF:8445237.1/44

Out: 196.667+/-0.028 χ^2/NDF:11176142.1/51

All: 194.845+/-0.020 χ^2/NDF: 19630103.1/96

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -260.202+/-137.952 χ^2/NDF: 23.1/21

Left Out: -197.918+/-41.638 χ^2/NDF:64.3/24

Right Out: 287.488+/-134.324 χ^2/NDF: 17.4/26

Left In: 14.616+/-42.629 χ^2/NDF:27.7/22

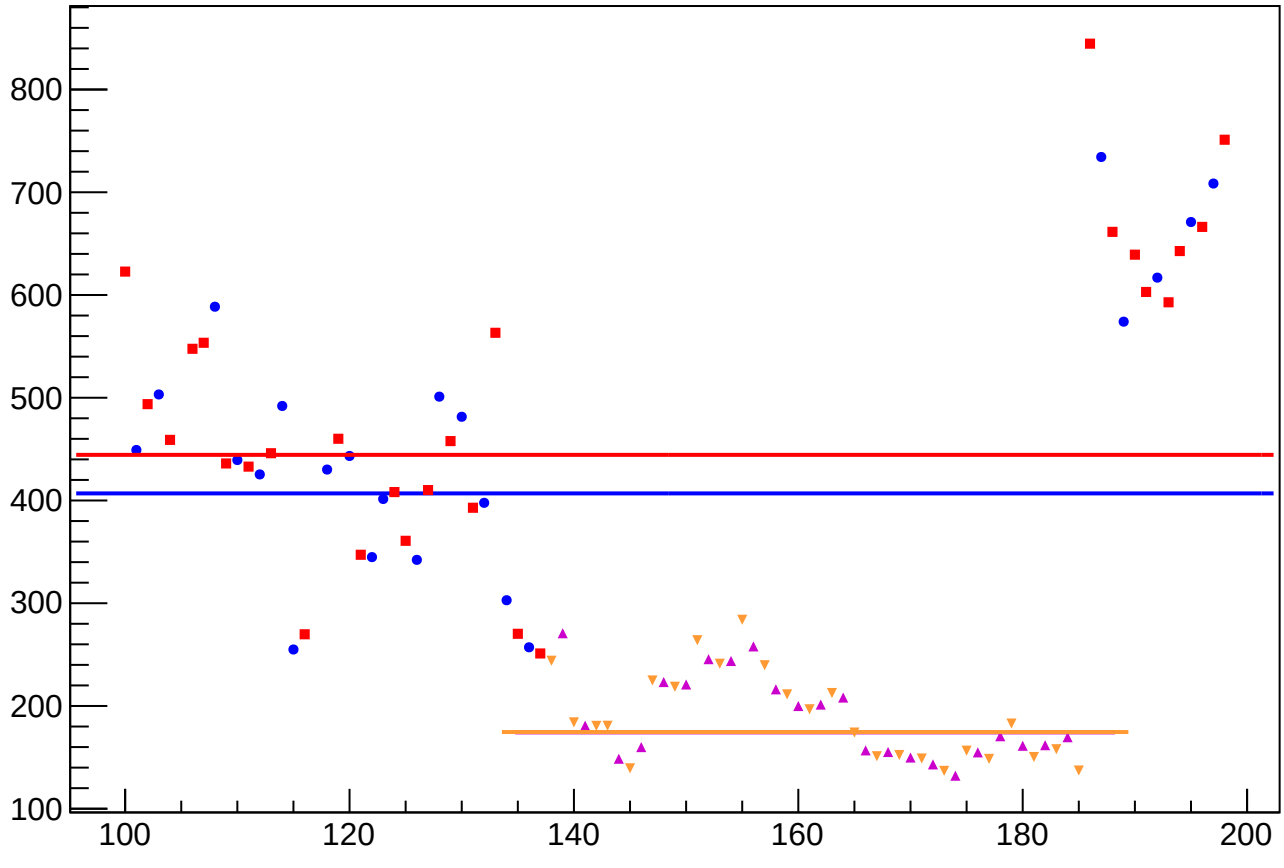
Left: -94.151+/-29.787 χ^2/NDF: 104.7/47

Right: 20.939+/-96.239 χ^2/NDF: 48.6/48

In: -9.339+/-40.729 χ^2/NDF:54.4/44

Out: -155.365+/-39.771 χ^2/NDF:93.6/51

All: -84.090+/-28.455 χ^2/NDF: 154.6/96



Right In: 406.900+/-0.098 χ^2/NDF: 1831910.5/21

Left Out: 174.648+/-0.029 χ^2/NDF:1531999.5/24

Right Out: 444.419+/-0.095 χ^2/NDF: 2199588.7/26

Left In: 174.288+/-0.030 χ^2/NDF:1344779.5/22

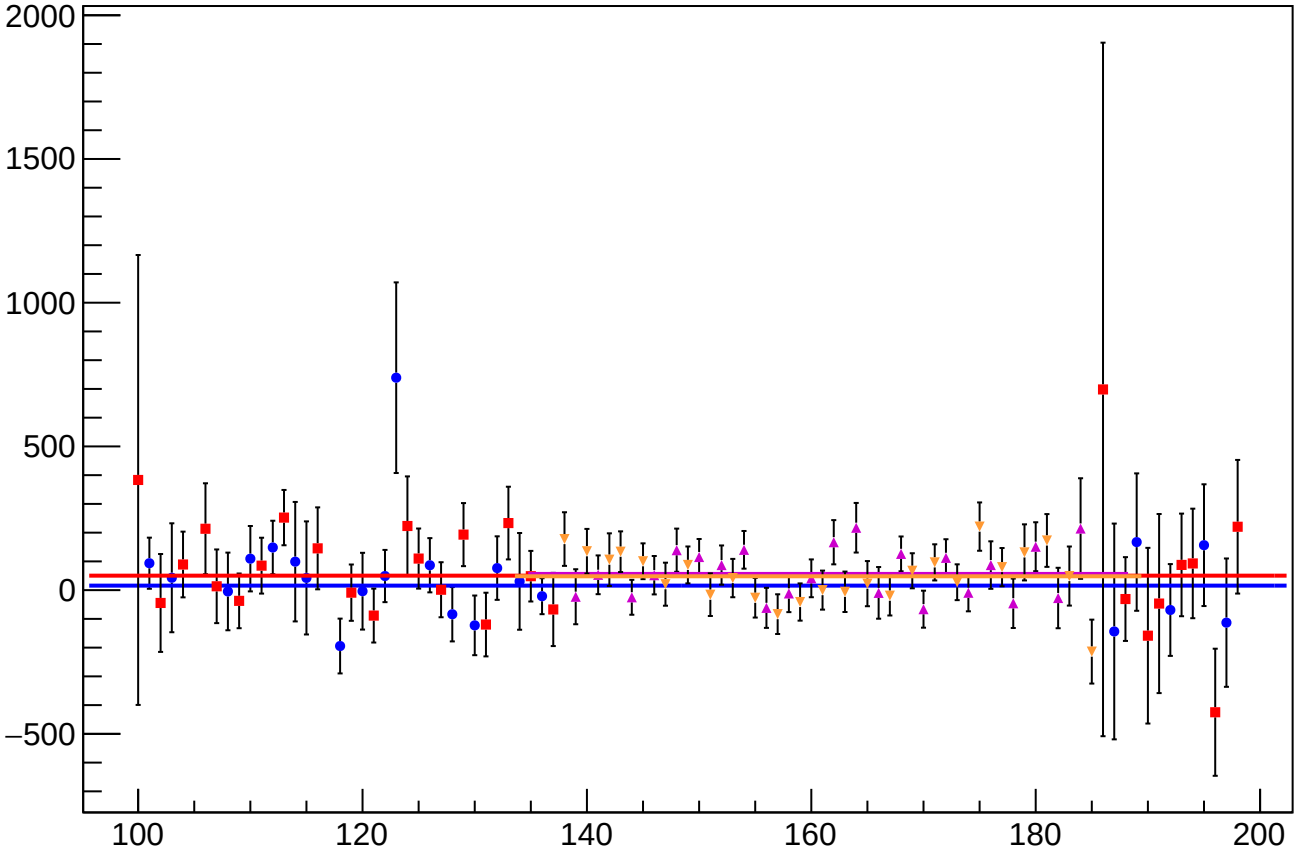
Left: 174.472+/-0.021 χ^2/NDF: 2876851.9/47

Right: 426.159+/-0.068 χ^2/NDF: 4107439.4/48

In: 194.564+/-0.029 χ^2/NDF:8367398.2/44

Out: 198.297+/-0.028 χ^2/NDF:11091361.1/51

All: 196.475+/-0.020 χ^2/NDF: 19467360.2/96



Right In: 15.692+/-25.453 χ^2/NDF: 19.2/21

Left Out: 48.233+/-14.616 χ^2/NDF:29.3/24

Right Out: 50.391+/-24.815 χ^2/NDF: 25.1/26

Left In: 56.403+/-15.182 χ^2/NDF:27.5/22

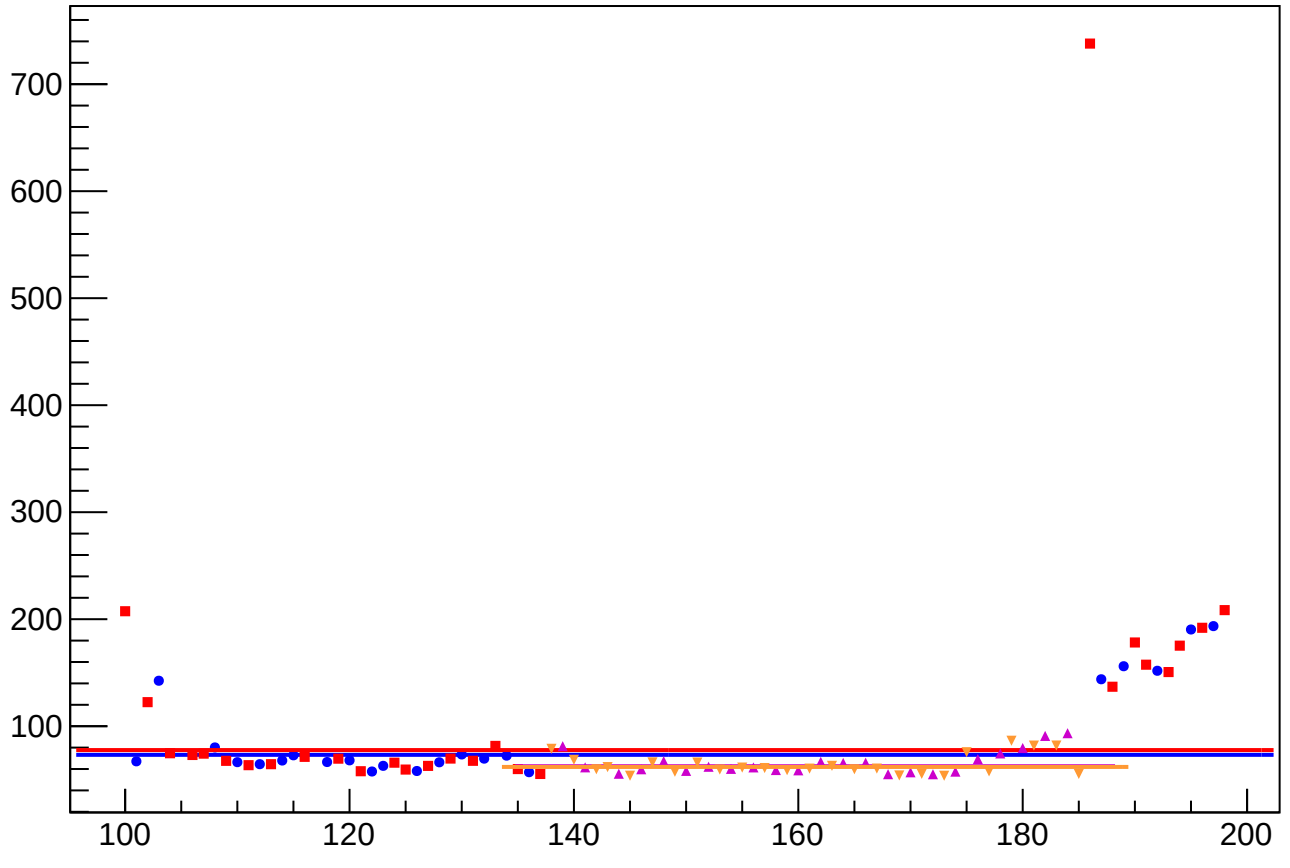
Left: 52.163+/-10.529 χ^2/NDF: 56.9/47

Right: 33.482+/-17.768 χ^2/NDF: 45.3/48

In: 45.720+/-13.039 χ^2/NDF:48.6/44

Out: 48.789+/-12.594 χ^2/NDF:54.4/51

All: 47.308+/-9.058 χ^2/NDF: 103.0/96



Right In: 73.248+/-0.018 χ^2/NDF: 2567245.1/21

Left Out: 61.946+/-0.010 χ^2/NDF:604989.2/24

Right Out: 77.699+/-0.018 χ^2/NDF: 3997813.6/26

Left In: 62.607+/-0.011 χ^2/NDF:575516.1/22

Left: 62.264+/-0.007 χ^2/NDF: 1182470.7/47

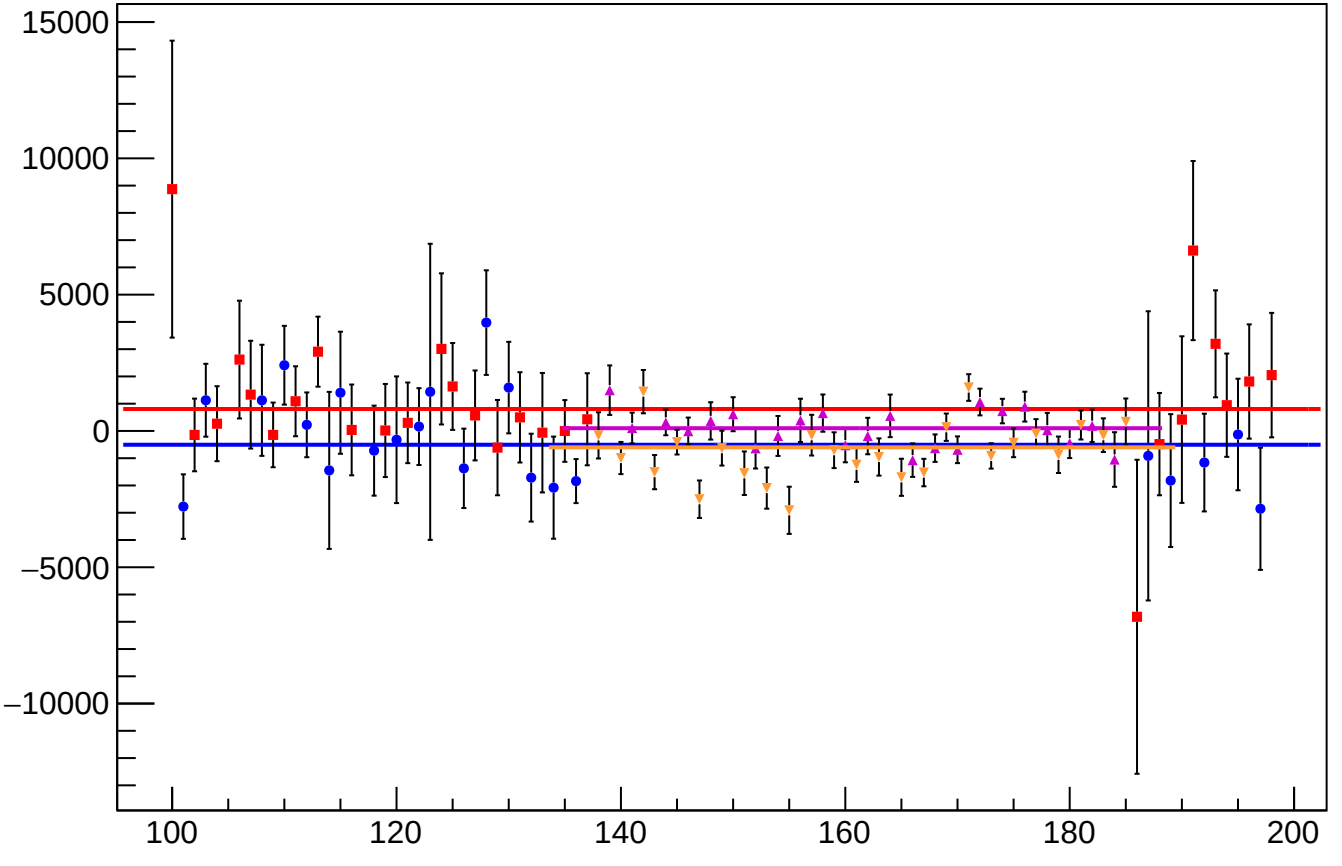
Right: 75.530+/-0.013 χ^2/NDF: 6596411.3/48

In: 65.399+/-0.009 χ^2/NDF:3400571.7/44

Out: 66.003+/-0.009 χ^2/NDF:5201136.3/51

All: 65.712+/-0.006 χ^2/NDF: 8603929.3/96

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -505.875+/-345.744 χ^2/NDF: 24.4/21

Left Out: -601.486+/-122.119 χ^2/NDF:65.4/24

Right Out: 805.748+/-331.978 χ^2/NDF: 17.3/26

Left In: 100.548+/-124.725 χ^2/NDF:25.5/22

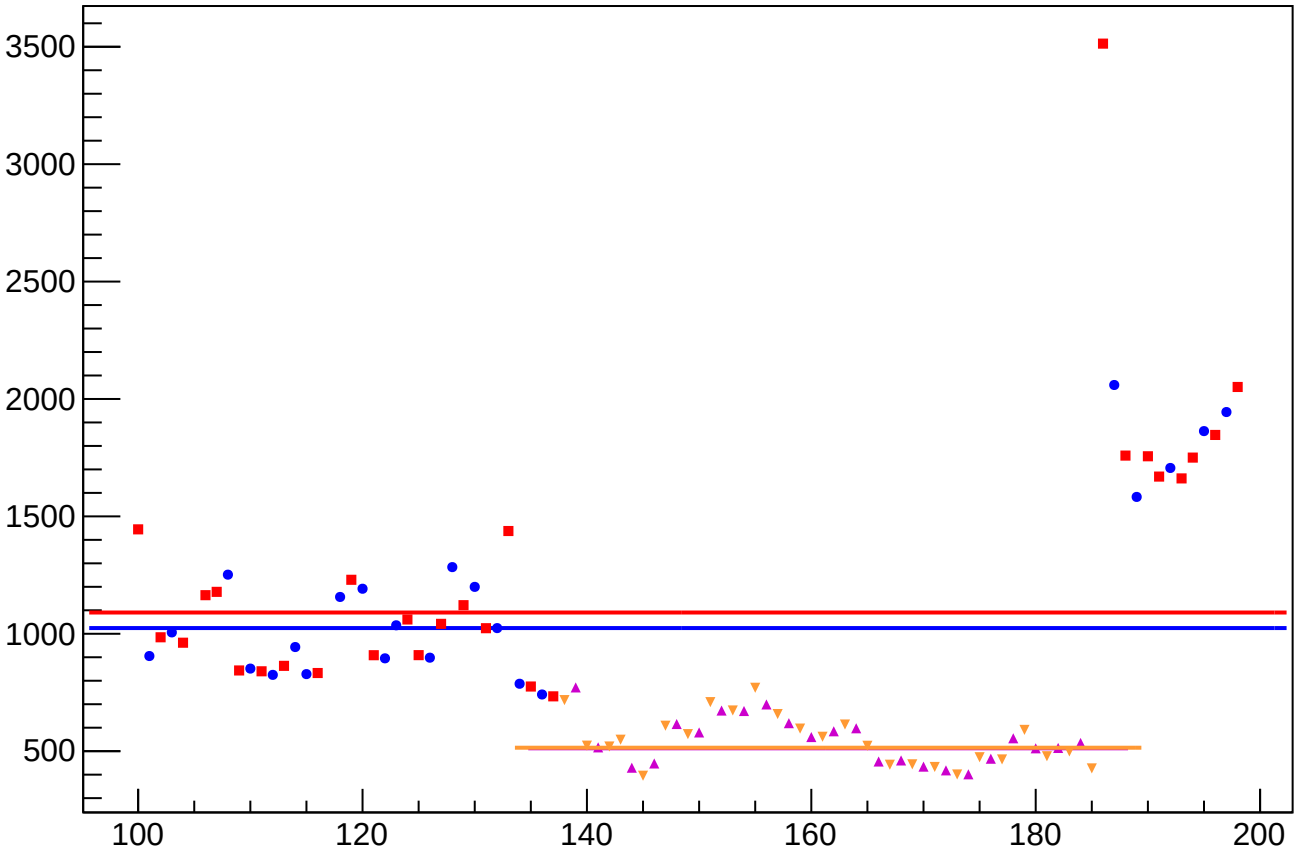
Left: -257.880+/-87.258 χ^2/NDF: 107.0/47

Right: 176.567+/-239.463 χ^2/NDF: 49.1/48

In: 30.718+/-117.324 χ^2/NDF:52.6/44

Out: -433.762+/-114.610 χ^2/NDF:98.5/51

All: -206.956+/-81.984 χ^2/NDF: 159.1/96



Right In: 1024.341+/-0.244 χ^2/NDF: 1681782.1/21

Left Out: 514.758+/-0.086 χ^2/NDF:1194945.9/24

Right Out: 1090.566+/-0.235 χ^2/NDF: 2478613.2/26

Left In: 512.199+/-0.088 χ^2/NDF:1041302.8/22

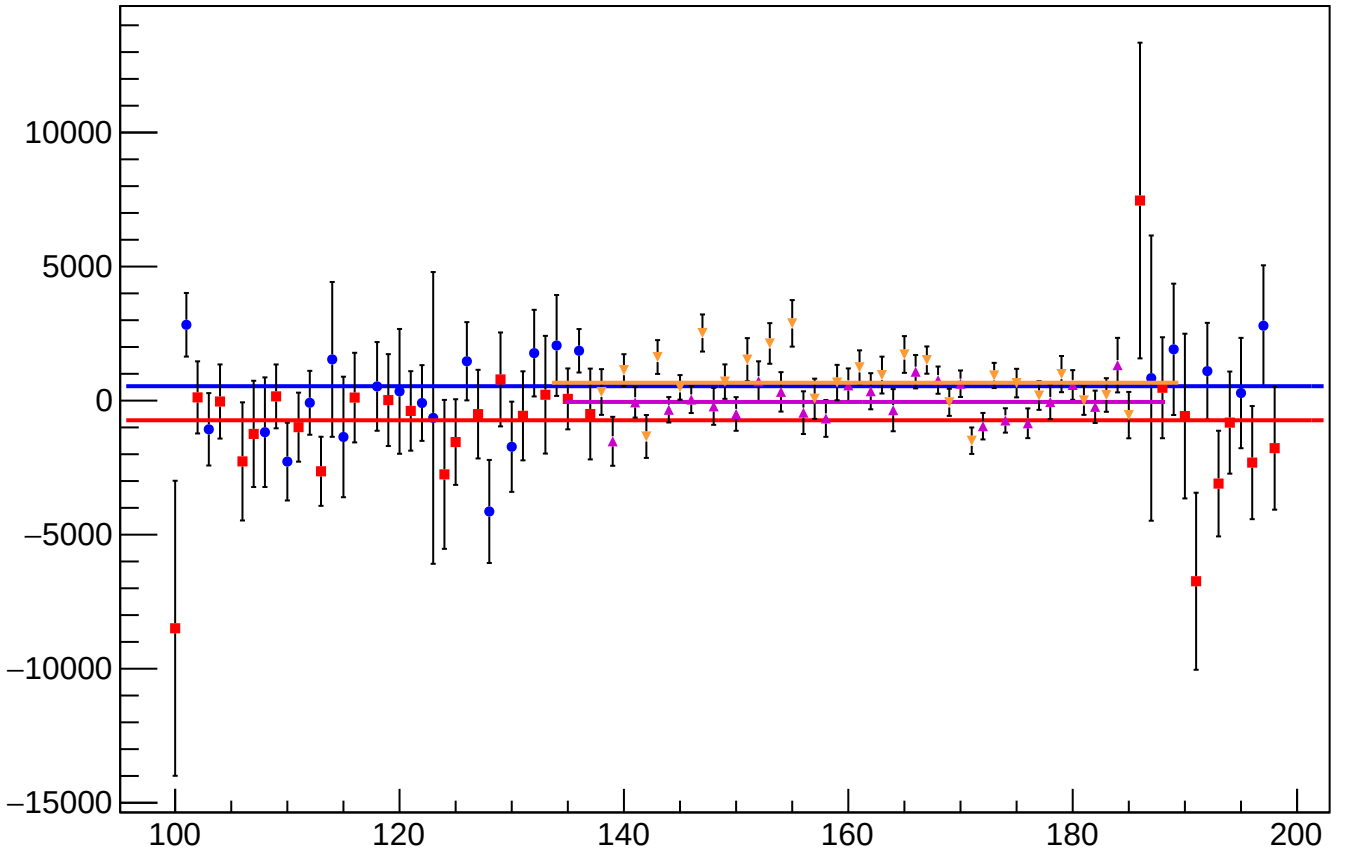
Left: 513.505+/-0.062 χ^2/NDF: 2236678.4/47

Right: 1058.798+/-0.169 χ^2/NDF: 4198574.3/48

In: 571.172+/-0.083 χ^2/NDF:6606112.5/44

Out: 583.387+/-0.081 χ^2/NDF:8973260.3/51

All: 577.422+/-0.058 χ^2/NDF: 15590464.3/96



Right In: 537.718+/-346.980 χ^2/NDF: 24.4/21

Left Out: 667.625+/-123.146 χ^2/NDF:61.5/24

Right Out: -733.294+/-333.369 χ^2/NDF: 16.6/26

Left In: -50.079+/-125.805 χ^2/NDF:26.1/22

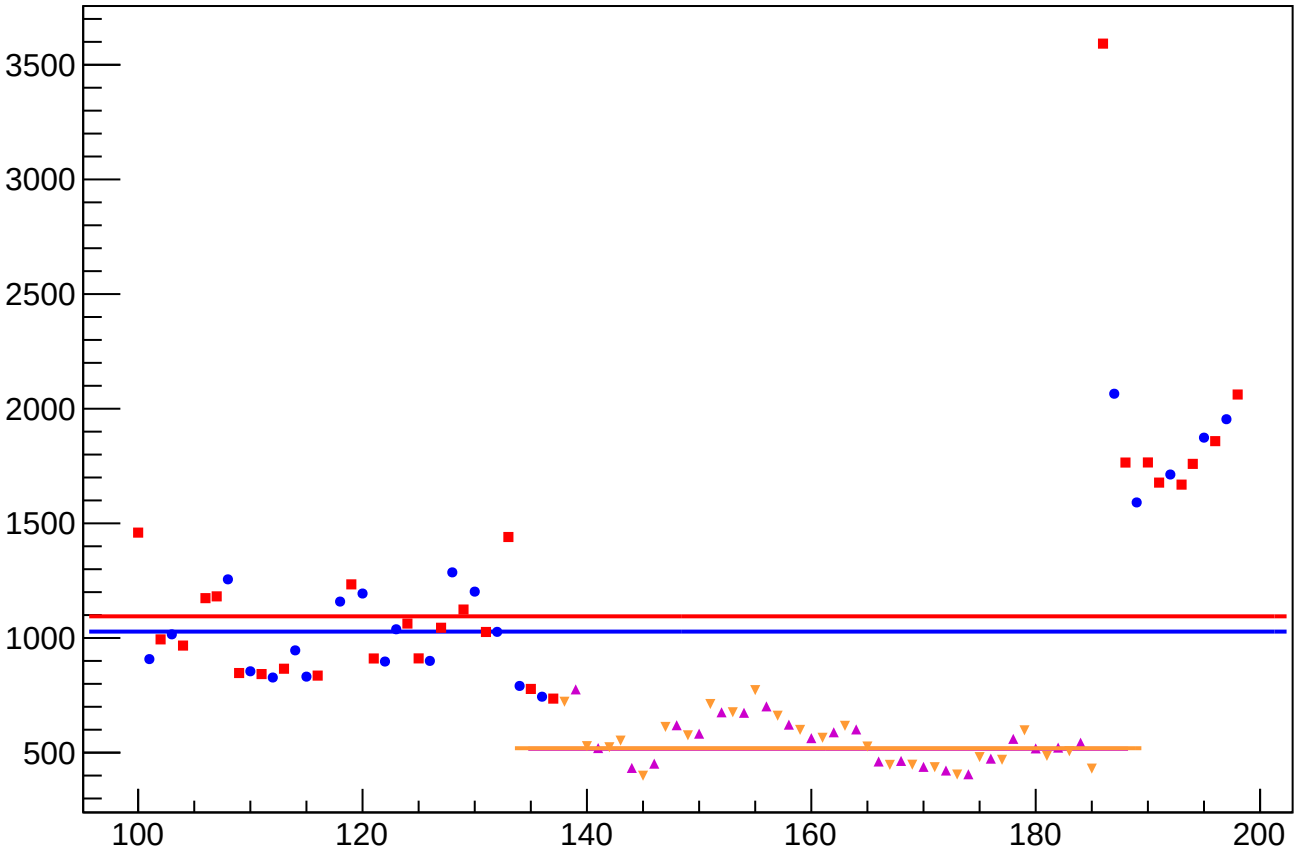
Left: 316.439+/-88.002 χ^2/NDF: 104.2/47

Right: -123.205+/-240.395 χ^2/NDF: 48.0/48

In: 18.214+/-118.271 χ^2/NDF:53.0/44

Out: 499.416+/-115.516 χ^2/NDF:93.7/51

All: 264.485+/-82.639 χ^2/NDF: 155.2/96



Right In: 1027.920+/-0.245 χ^2/NDF: 1684972.7/21

Left Out: 519.254+/-0.087 χ^2/NDF:1172411.1/24

Right Out: 1094.492+/-0.236 χ^2/NDF: 2491338.2/26

Left In: 516.792+/-0.089 χ^2/NDF:1021374.1/22

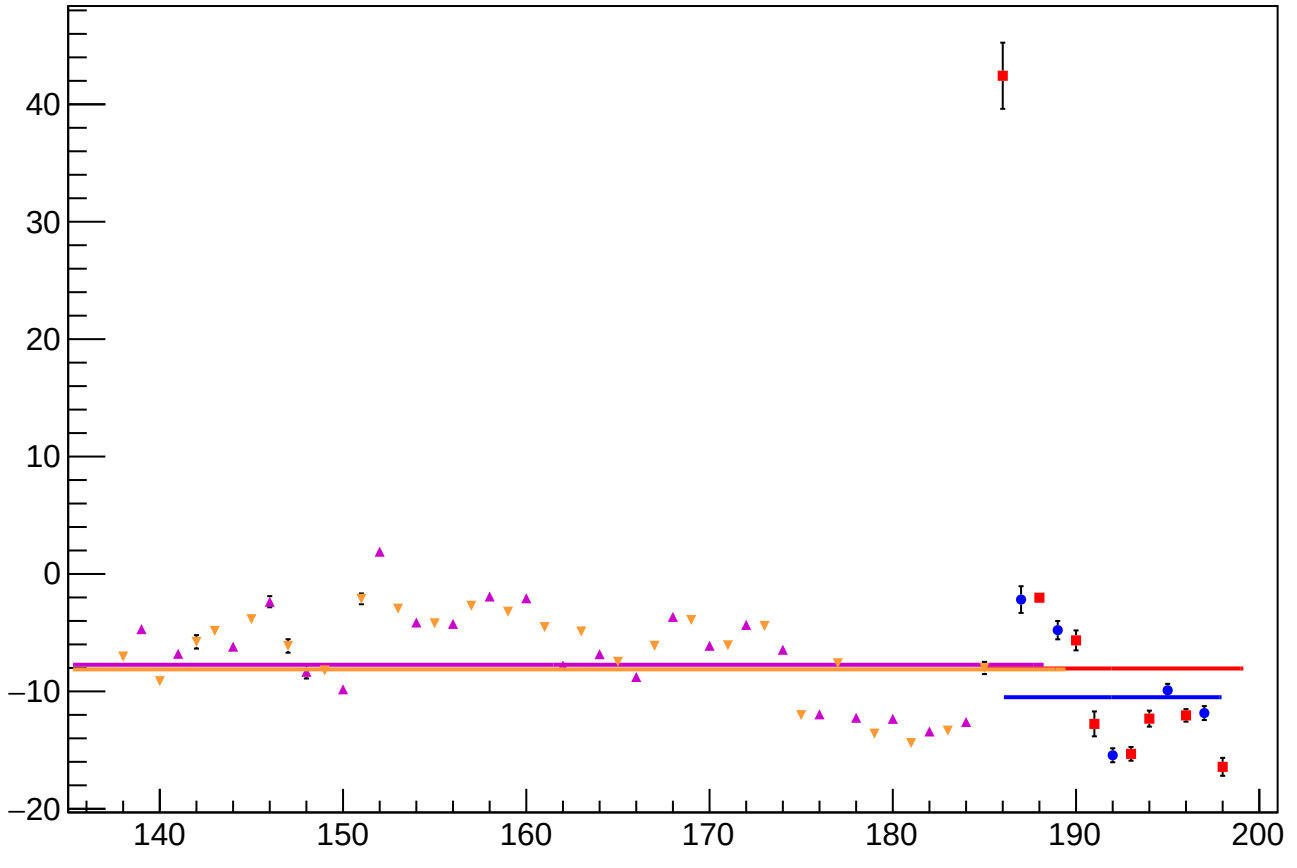
Left: 518.049+/-0.062 χ^2/NDF: 2194176.4/47

Right: 1062.537+/-0.170 χ^2/NDF: 4214594.0/48

In: 576.177+/-0.084 χ^2/NDF:6542025.6/44

Out: 588.323+/-0.082 χ^2/NDF:8903647.3/51

All: 582.393+/-0.058 χ^2/NDF: 15456467.7/96



Right In: -10.497+/-0.297 χ^2/NDF: 181.9/4

Left Out: -8.127+/-0.067 χ^2/NDF:3635.5/24

Right Out: -8.051+/-0.215 χ^2/NDF: 1041.6/7

Left In: -7.732+/-0.069 χ^2/NDF:3719.0/22

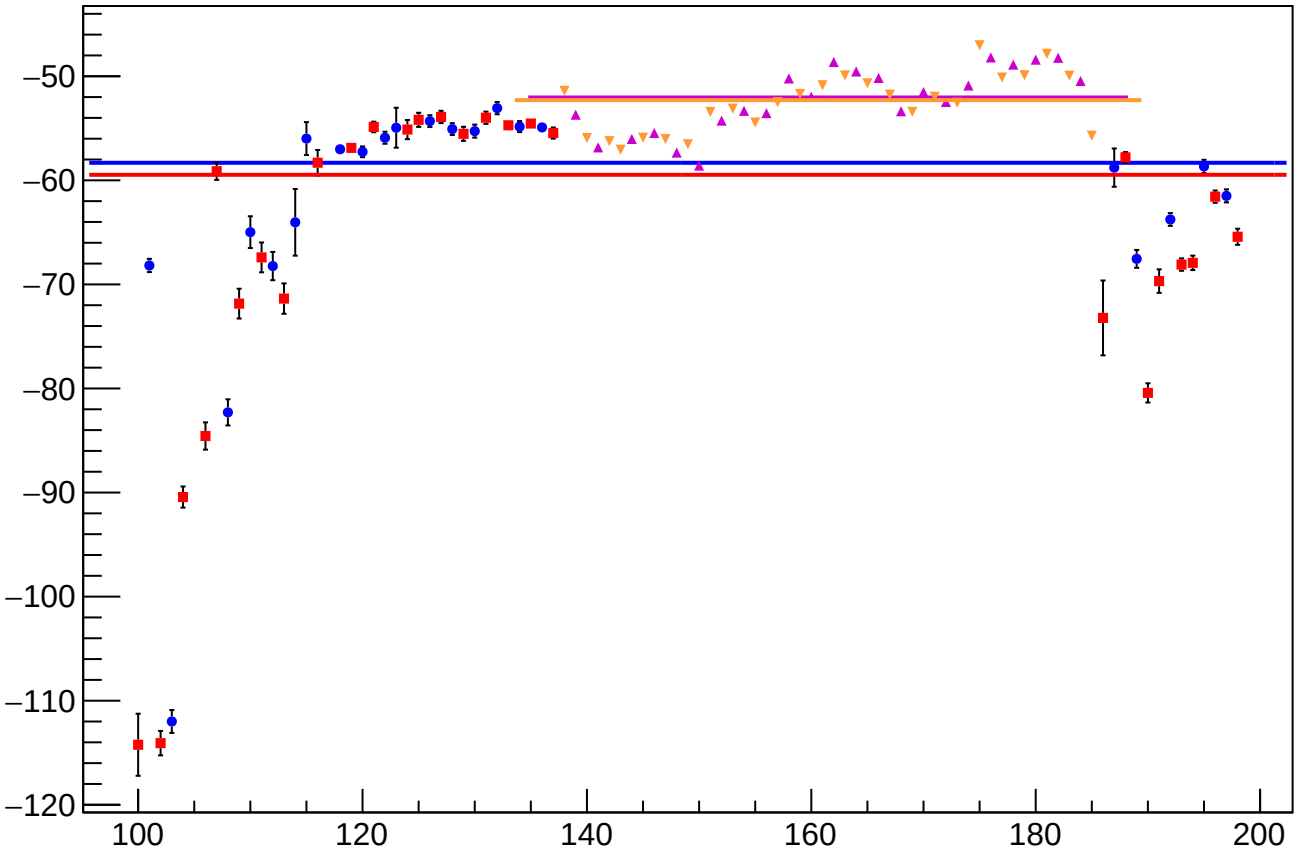
Left: -7.934+/-0.048 χ^2/NDF: 7371.4/47

Right: -8.894+/-0.174 χ^2/NDF: 1268.0/12

In: -7.873+/-0.067 χ^2/NDF:3983.3/27

Out: -8.121+/-0.064 χ^2/NDF:4677.2/32

All: -8.002+/-0.046 χ^2/NDF: 8667.6/60



Right In: -58.314+/-0.131 χ^2/NDF: 3705.5/21

Left Out: -52.297+/-0.055 χ^2/NDF:2657.5/24

Right Out: -59.468+/-0.125 χ^2/NDF: 5899.2/26

Left In: -52.038+/-0.057 χ^2/NDF:3180.4/22

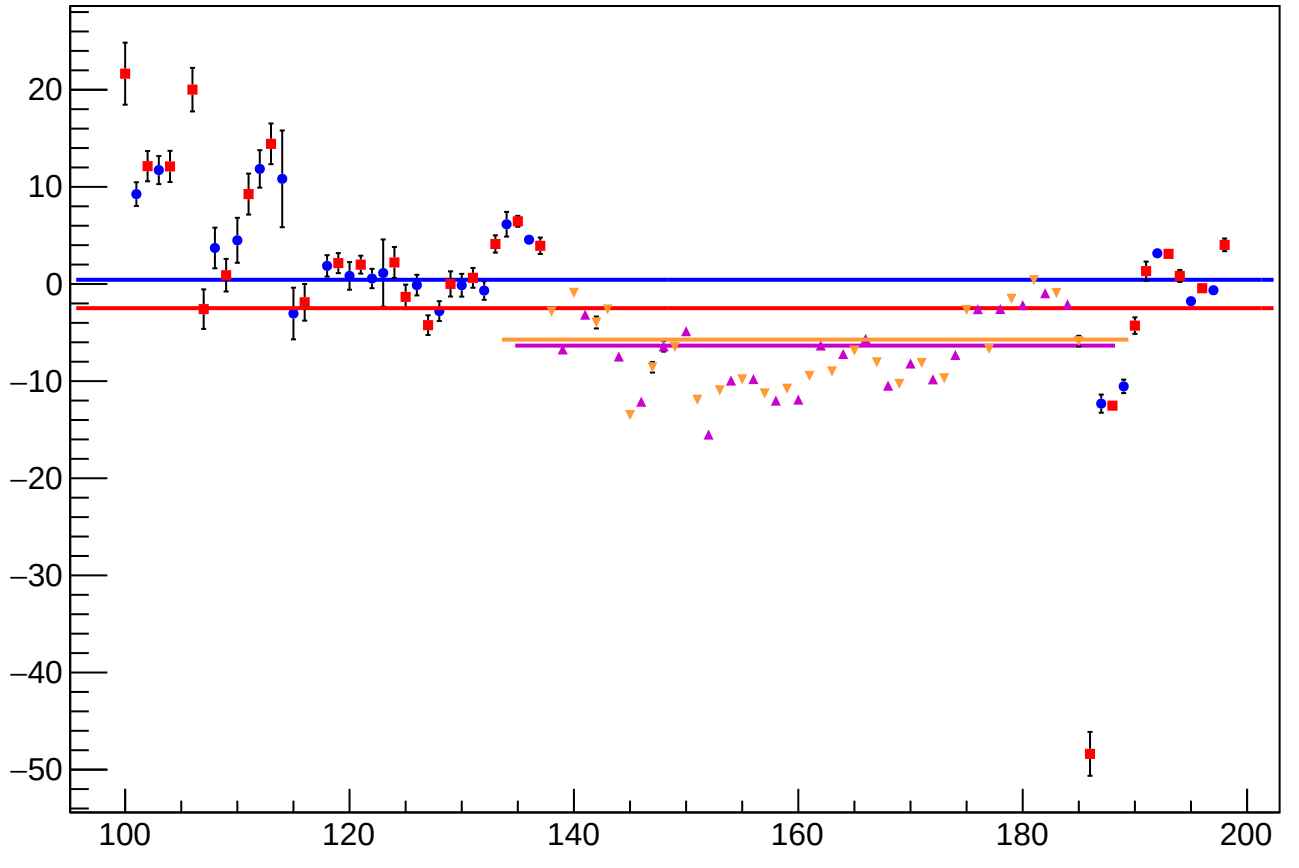
Left: -52.172+/-0.040 χ^2/NDF: 5848.6/47

Right: -58.920+/-0.090 χ^2/NDF: 9645.3/48

In: -53.039+/-0.052 χ^2/NDF:8809.3/44

Out: -53.465+/-0.050 χ^2/NDF:11321.0/51

All: -53.261+/-0.036 χ^2/NDF: 20164.7/96



Right In: 0.437+/-0.182 χ^2/NDF: 787.1/21

Left Out: -5.722+/-0.068 χ^2/NDF:3983.0/24

Right Out: -2.486+/-0.151 χ^2/NDF: 2923.6/26

Left In: -6.344+/-0.069 χ^2/NDF:3383.7/22

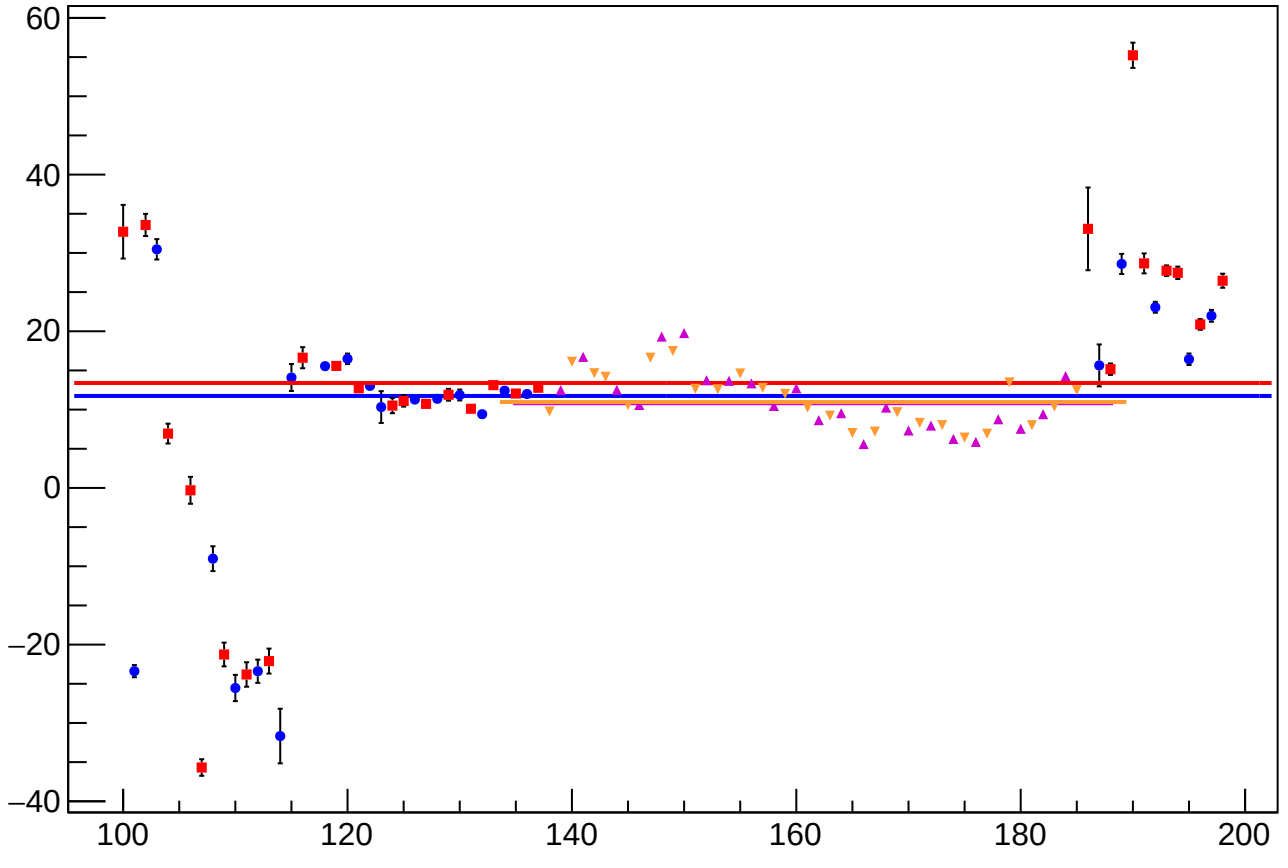
Left: -6.028+/-0.048 χ^2/NDF: 7408.5/47

Right: -1.291+/-0.116 χ^2/NDF: 3863.6/48

In: -5.498+/-0.064 χ^2/NDF:5389.2/44

Out: -5.183+/-0.062 χ^2/NDF:7288.7/51

All: -5.334+/-0.044 χ^2/NDF: 12690.4/96



Right In: 11.742+/-0.147 χ^2/NDF: 4438.9/21

Left Out: 10.967+/-0.061 χ^2/NDF:2637.7/24

Right Out: 13.399+/-0.143 χ^2/NDF: 6110.2/26

Left In: 10.813+/-0.063 χ^2/NDF:3546.8/22

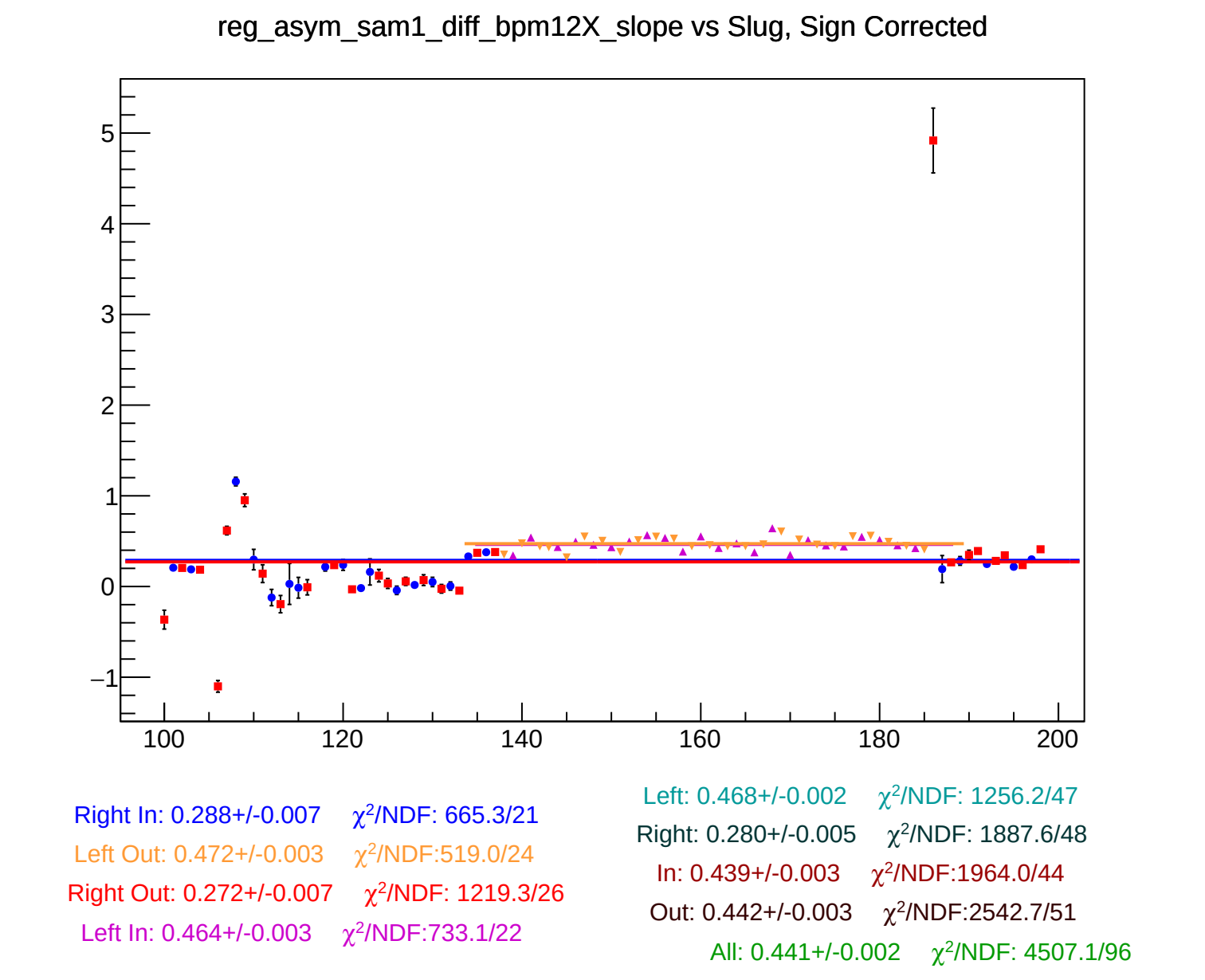
Left: 10.892+/-0.044 χ^2/NDF: 6187.5/47

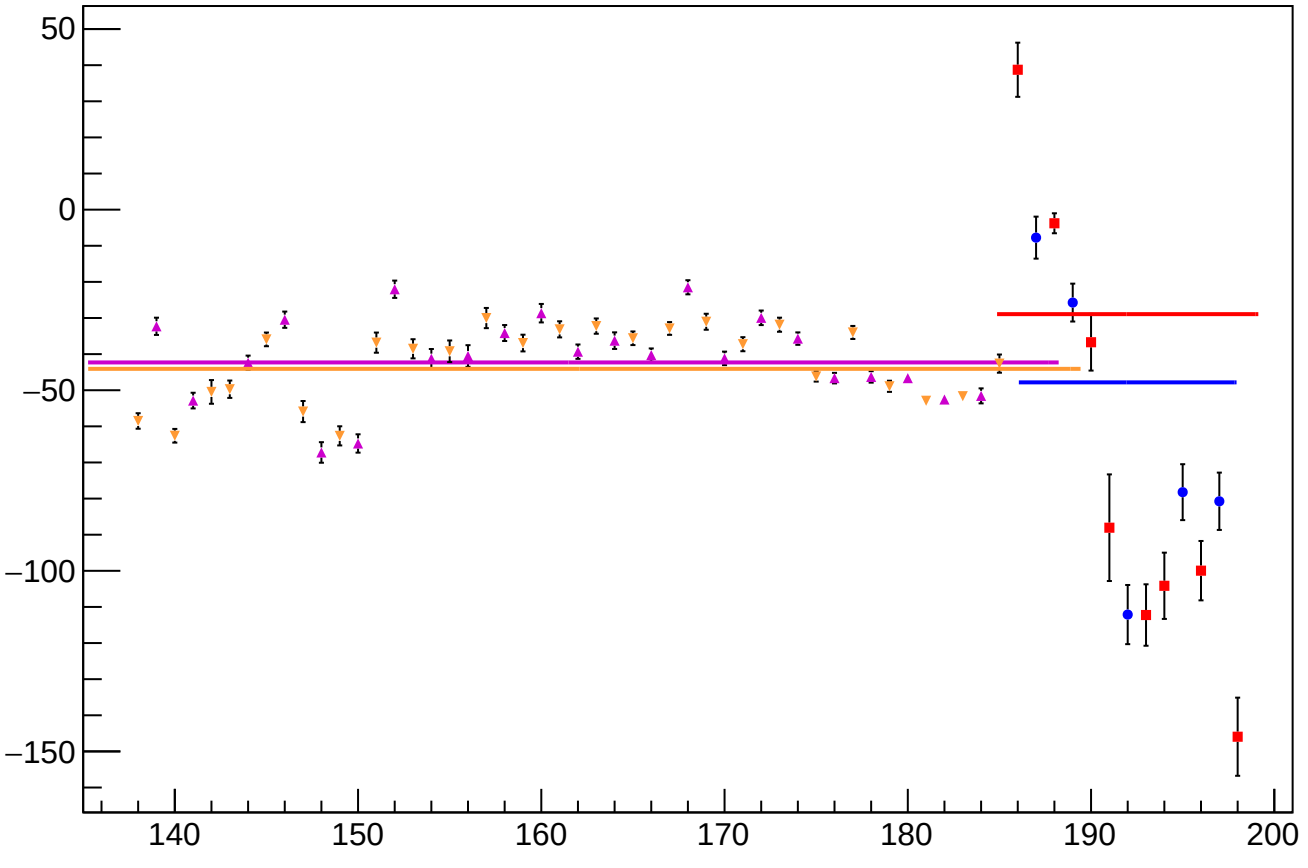
Right: 12.594+/-0.102 χ^2/NDF: 10614.5/48

In: 10.958+/-0.058 χ^2/NDF:8019.5/44

Out: 11.346+/-0.056 χ^2/NDF:8992.5/51

All: 11.158+/-0.040 χ^2/NDF: 17035.0/96


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.288+/-0.007 χ²/NDF: 665.3/21
Left Out: 0.472+/-0.003 χ²/NDF:519.0/24
Right Out: 0.272+/-0.007 χ²/NDF: 1219.3/26
Left In: 0.464+/-0.003 χ²/NDF:733.1/22
Left: 0.468+/-0.002 χ²/NDF: 1256.2/47
Right: 0.280+/-0.005 χ²/NDF: 1887.6/48
In: 0.439+/-0.003 χ²/NDF:1964.0/44
Out: 0.442+/-0.003 χ²/NDF:2542.7/51
All: 0.441+/-0.002 χ²/NDF: 4507.1/96



Right In: -47.822+/-2.969 χ^2/NDF: 159.5/4

Left Out: -44.077+/-0.389 χ^2/NDF:632.6/24

Right Out: -28.930+/-2.140 χ^2/NDF: 535.9/7

Left In: -42.304+/-0.399 χ^2/NDF:640.6/22

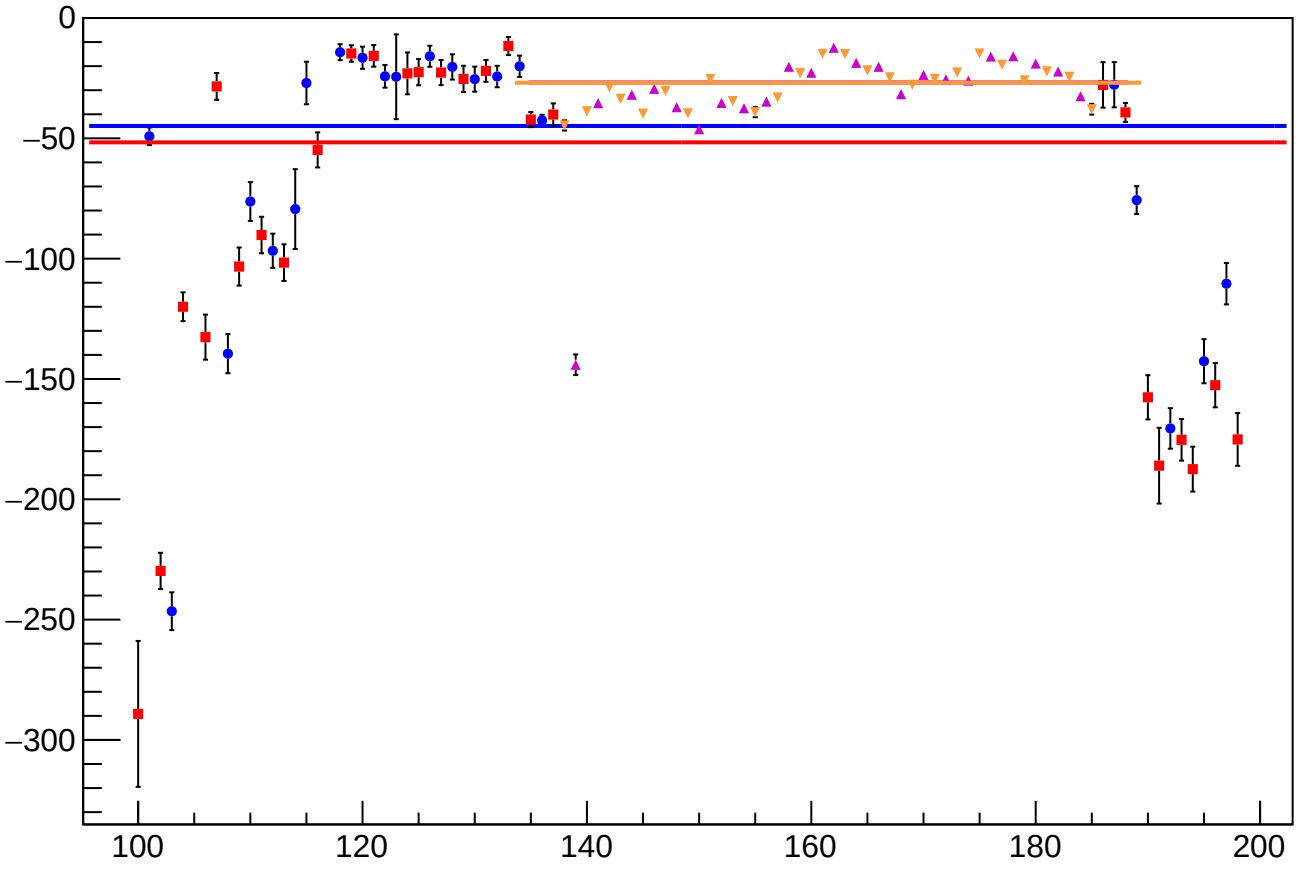
Left: -43.214+/-0.278 χ^2/NDF: 1283.3/47

Right: -35.387+/-1.736 χ^2/NDF: 722.0/12

In: -42.402+/-0.396 χ^2/NDF:803.5/27

Out: -43.594+/-0.382 χ^2/NDF:1217.0/32

All: -43.018+/-0.275 χ^2/NDF: 2025.2/60



Right In: -44.859+/-1.093 χ^2/NDF: 1575.3/21

Left Out: -26.902+/-0.316 χ^2/NDF:631.0/24

Right Out: -51.669+/-1.106 χ^2/NDF: 2287.1/26

Left In: -26.774+/-0.326 χ^2/NDF:1394.5/22

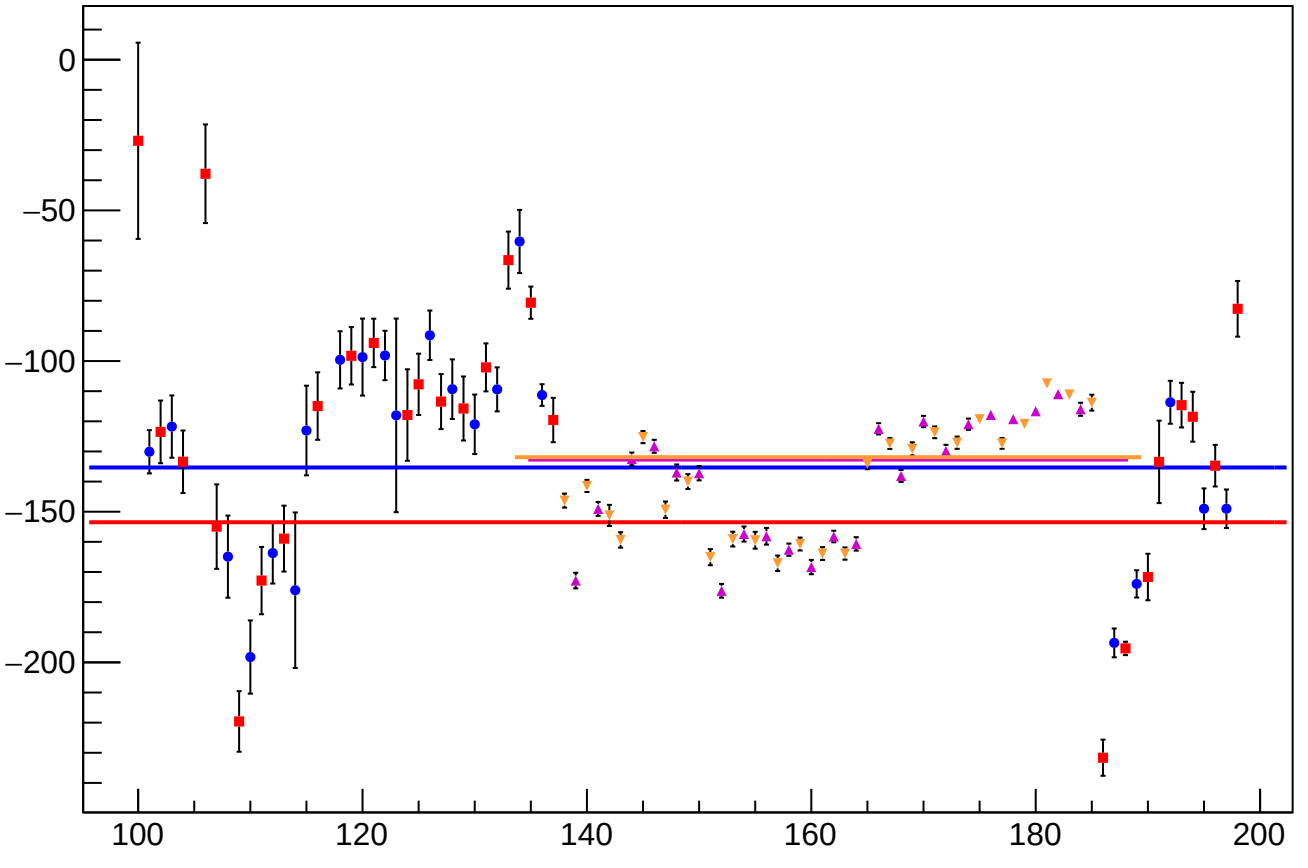
Left: -26.840+/-0.227 χ^2/NDF: 2025.6/47

Right: -48.223+/-0.777 χ^2/NDF: 3881.6/48

In: -28.254+/-0.313 χ^2/NDF:3221.3/44

Out: -28.774+/-0.304 χ^2/NDF:3381.6/51

All: -28.521+/-0.218 χ^2/NDF: 6604.3/96



Right In: -135.325+/-1.603 χ^2/NDF: 473.3/21

Left Out: -131.912+/-0.391 χ^2/NDF:2439.3/24

Right Out: -153.499+/-1.386 χ^2/NDF: 1256.0/26

Left In: -132.690+/-0.399 χ^2/NDF:2480.2/22

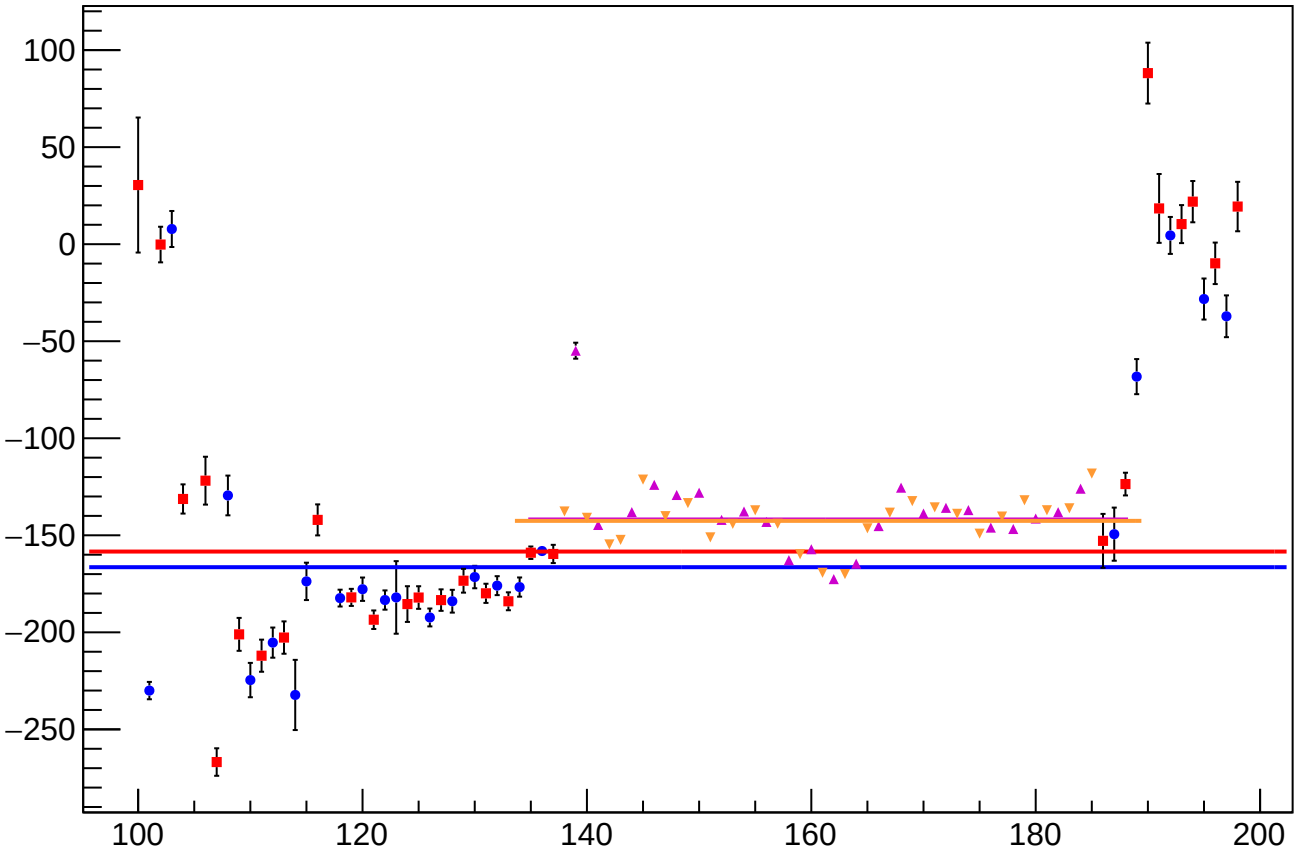
Left: -132.293+/-0.280 χ^2/NDF: 4921.5/47

Right: -145.729+/-1.048 χ^2/NDF: 1802.8/48

In: -132.844+/-0.388 χ^2/NDF:2956.0/44

Out: -133.508+/-0.377 χ^2/NDF:3920.1/51

All: -133.185+/-0.270 χ^2/NDF: 6877.6/96



Right In: -166.437+/-1.233 χ^2/NDF: 1497.7/21

Left Out: -142.564+/-0.354 χ^2/NDF:1147.7/24

Right Out: -158.380+/-1.273 χ^2/NDF: 2220.8/26

Left In: -141.856+/-0.364 χ^2/NDF:1544.3/22

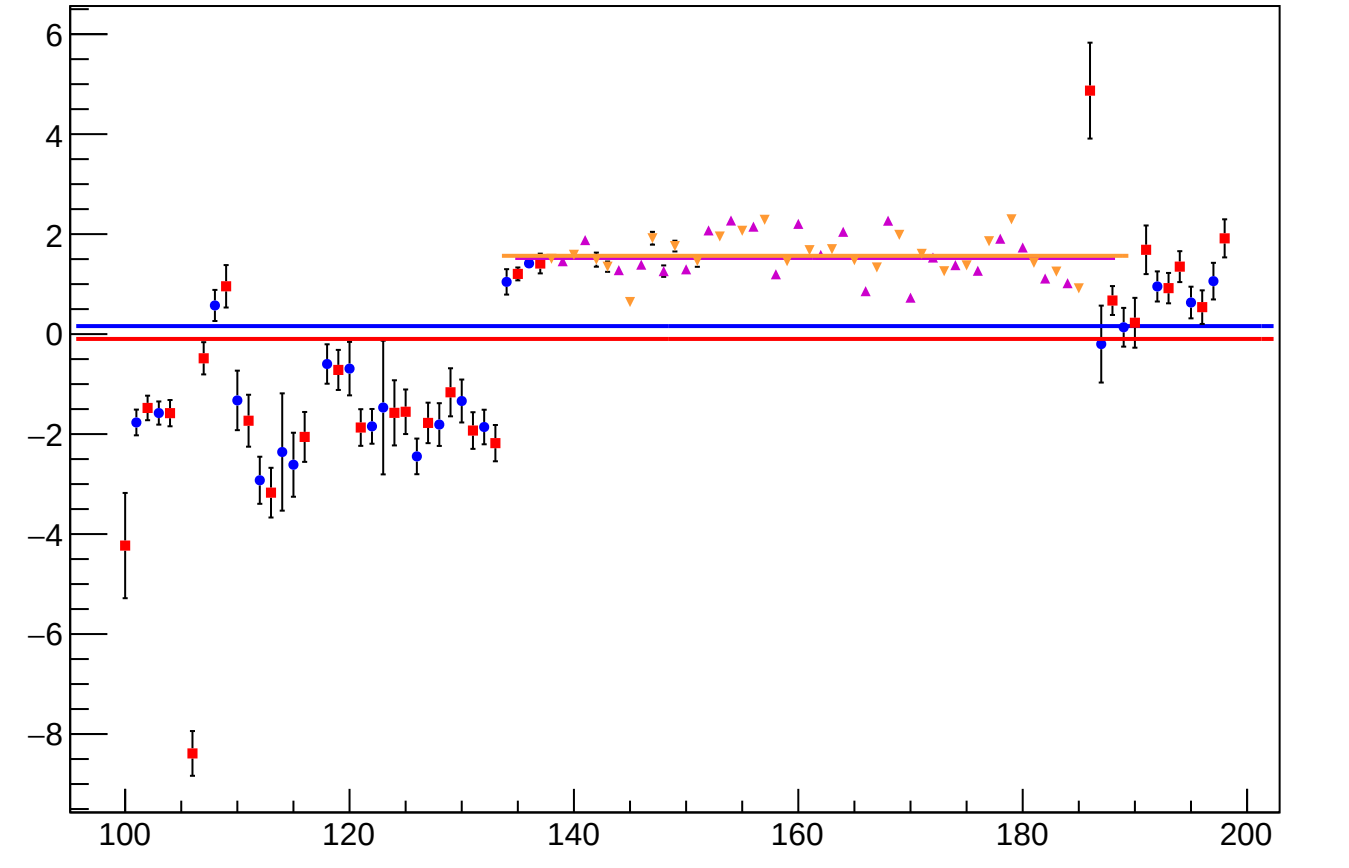
Left: -142.220+/-0.254 χ^2/NDF: 2693.9/47

Right: -162.536+/-0.886 χ^2/NDF: 3739.2/48

In: -143.824+/-0.349 χ^2/NDF:3407.6/44

Out: -143.700+/-0.341 χ^2/NDF:3511.9/51

All: -143.761+/-0.244 χ^2/NDF: 6919.5/96



Right In: 0.160+/-0.062 χ^2/NDF: 542.2/21

Left Out: 1.566+/-0.016 χ^2/NDF:542.8/24

Right Out: -0.097+/-0.063 χ^2/NDF: 887.3/26

Left In: 1.523+/-0.017 χ^2/NDF:738.5/22

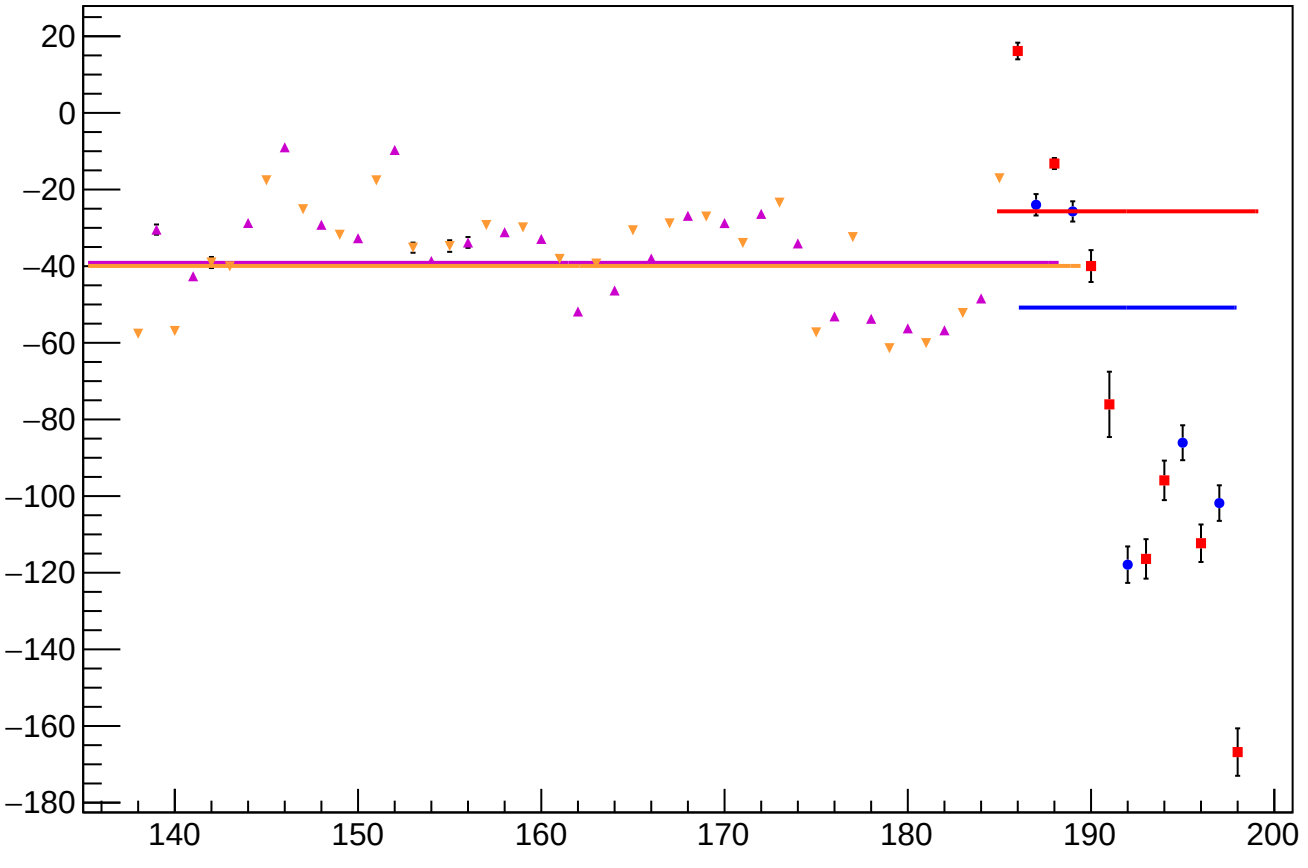
Left: 1.545+/-0.012 χ^2/NDF: 1284.8/47

Right: 0.033+/-0.044 χ^2/NDF: 1438.0/48

In: 1.433+/-0.016 χ^2/NDF:1728.9/44

Out: 1.462+/-0.016 χ^2/NDF:2089.9/51

All: 1.448+/-0.011 χ^2/NDF: 3820.6/96



Right In: -50.807+/-1.561 χ^2/NDF: 562.5/4

Left Out: -39.935+/-0.153 χ^2/NDF:9806.5/24

Right Out: -25.686+/-1.049 χ^2/NDF: 1821.9/7

Left In: -39.137+/-0.155 χ^2/NDF:8534.5/22

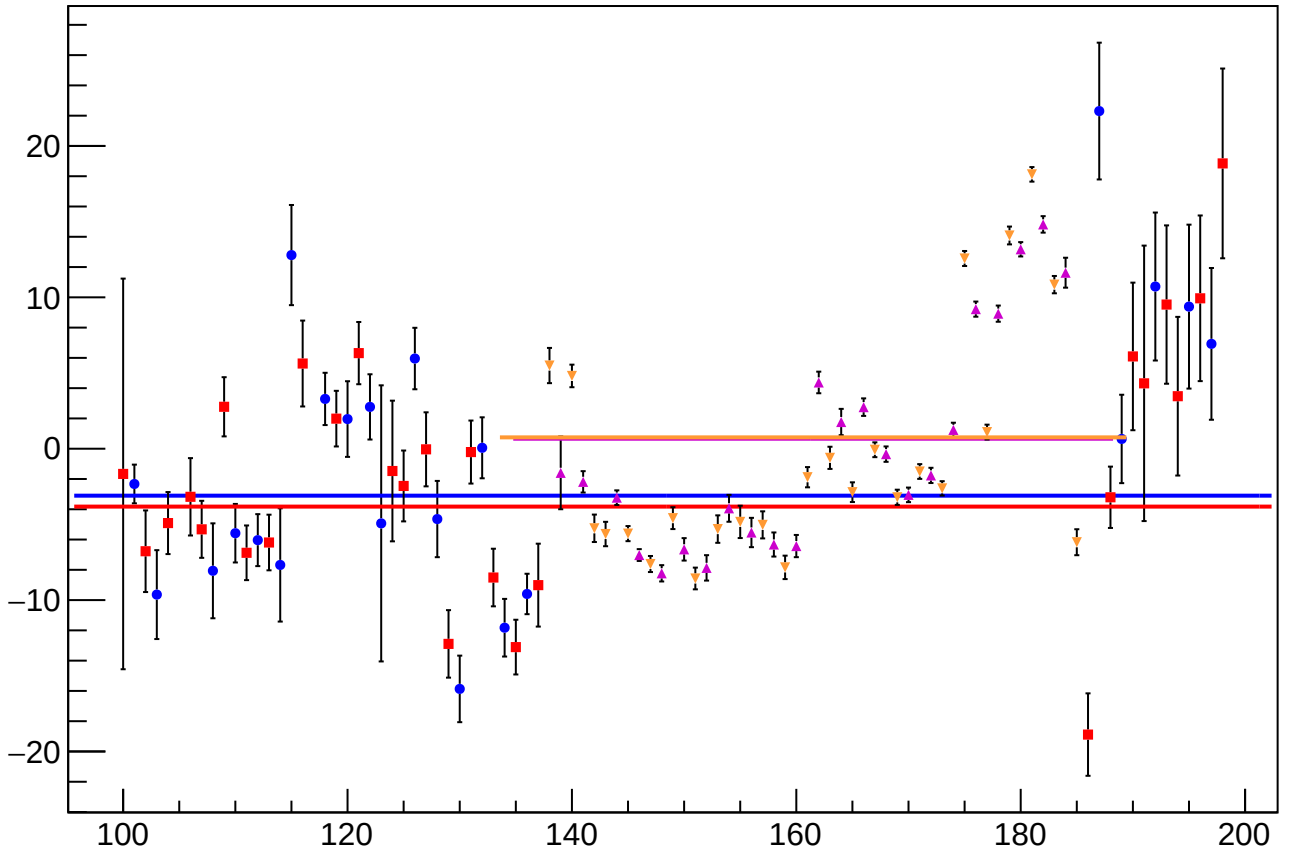
Left: -39.540+/-0.109 χ^2/NDF: 18354.5/47

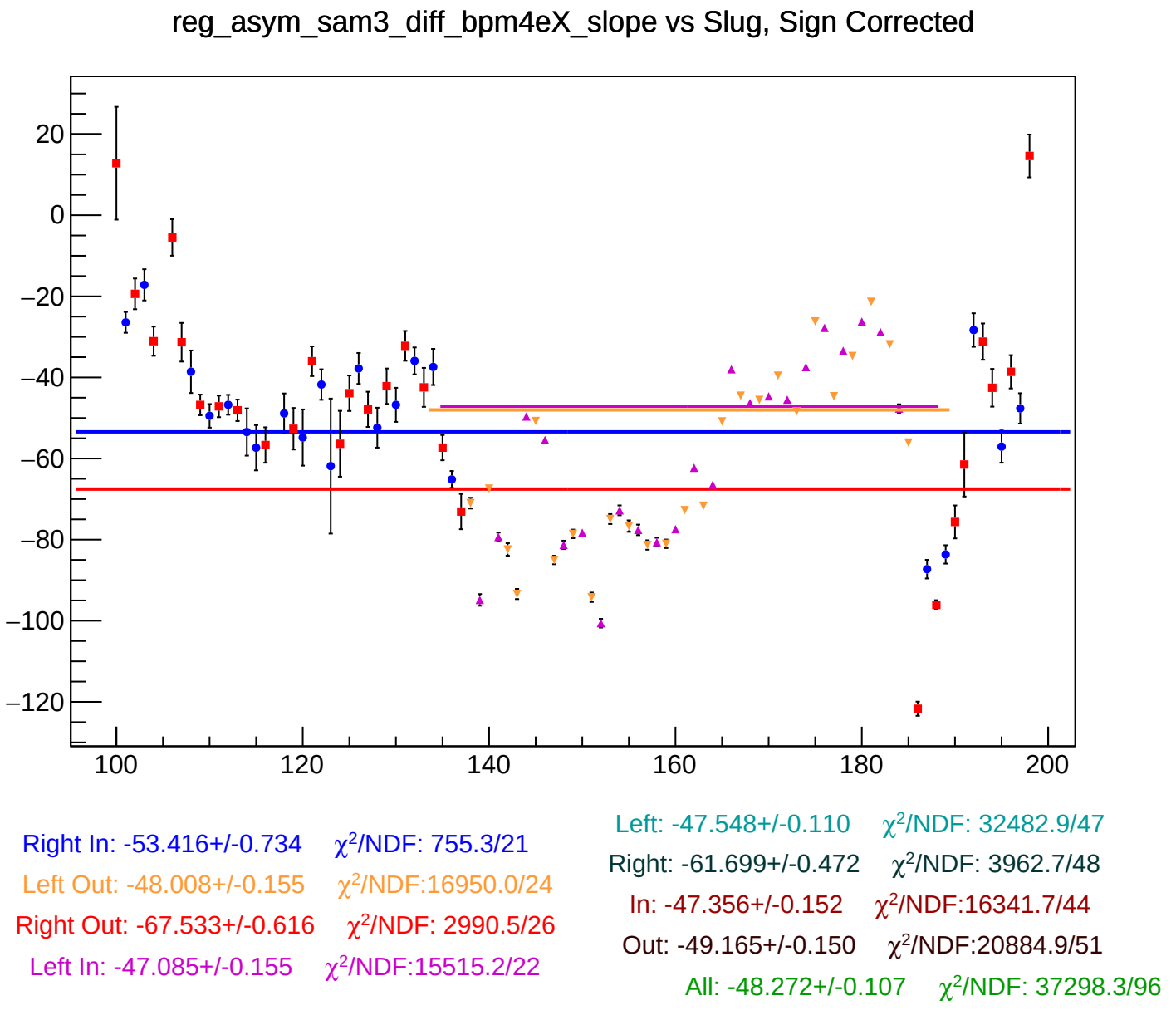
Right: -33.499+/-0.871 χ^2/NDF: 2562.8/12

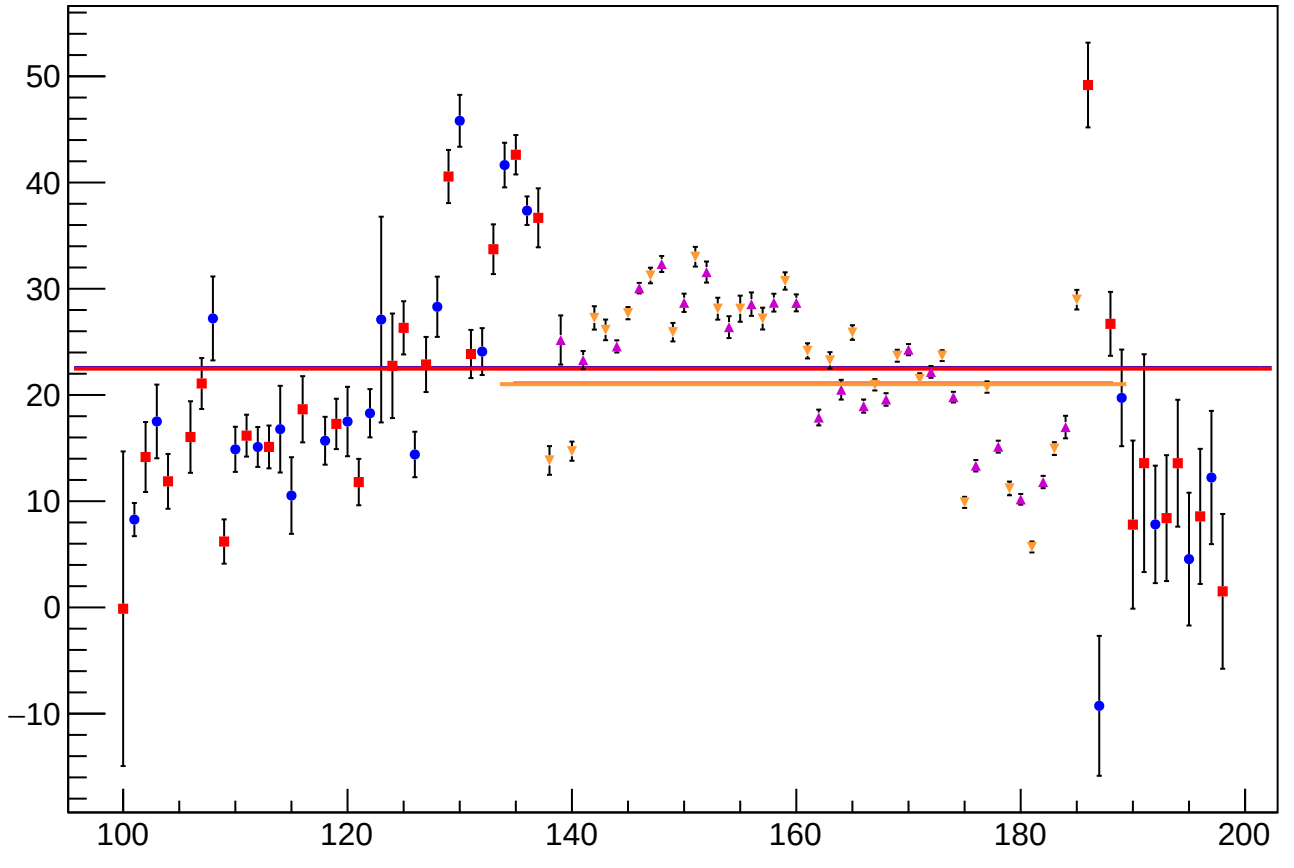
In: -39.251+/-0.154 χ^2/NDF:9152.3/27

Out: -39.637+/-0.152 χ^2/NDF:11809.1/32

All: -39.447+/-0.108 χ^2/NDF: 20964.6/60


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.102+/-0.483 χ²/NDF: 213.9/21
Left Out: 0.749+/-0.124 χ²/NDF:3970.9/24
Right Out: -3.824+/-0.474 χ²/NDF: 185.6/26
Left In: 0.660+/-0.124 χ²/NDF:3337.8/22
Left: 0.705+/-0.088 χ²/NDF: 7308.9/47
Right: -3.469+/-0.338 χ²/NDF: 400.6/48
In: 0.426+/-0.120 χ²/NDF:3608.7/44
Out: 0.456+/-0.120 χ²/NDF:4243.4/51
All: 0.441+/-0.085 χ²/NDF: 7852.2/96


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -53.416+/-0.734 χ²/NDF: 755.3/21
Left Out: -48.008+/-0.155 χ²/NDF:16950.0/24
Right Out: -67.533+/-0.616 χ²/NDF: 2990.5/26
Left In: -47.085+/-0.155 χ²/NDF:15515.2/22
Left: -47.548+/-0.110 χ²/NDF: 32482.9/47
Right: -61.699+/-0.472 χ²/NDF: 3962.7/48
In: -47.356+/-0.152 χ²/NDF:16341.7/44
Out: -49.165+/-0.150 χ²/NDF:20884.9/51
All: -48.272+/-0.107 χ²/NDF: 37298.3/96



Right In: 22.536+/-0.547 χ^2/NDF: 500.0/21

Left Out: 21.020+/-0.139 χ^2/NDF:2799.3/24

Right Out: 22.480+/-0.547 χ^2/NDF: 438.3/26

Left In: 21.079+/-0.140 χ^2/NDF:2173.2/22

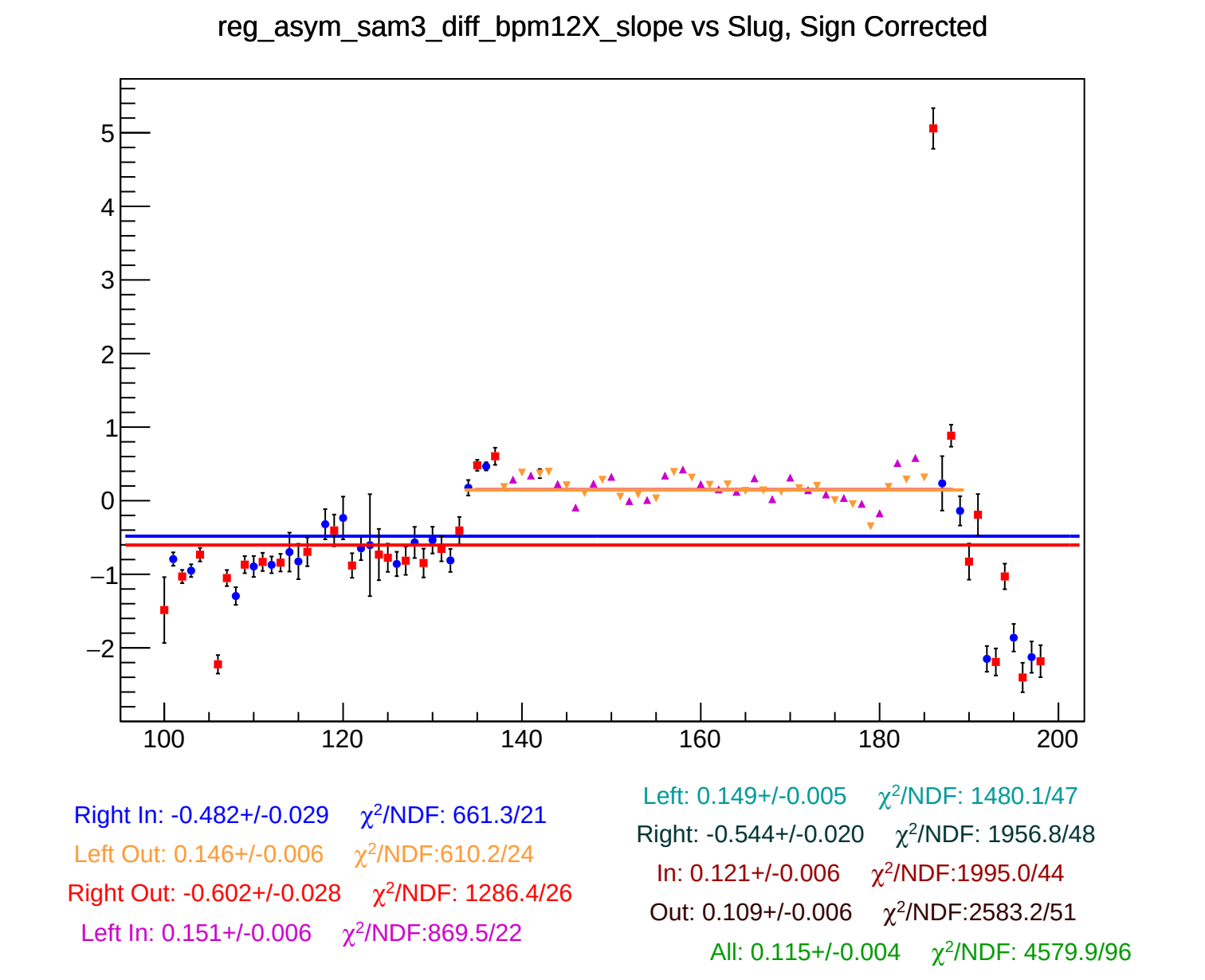
Left: 21.049+/-0.098 χ^2/NDF: 4972.6/47

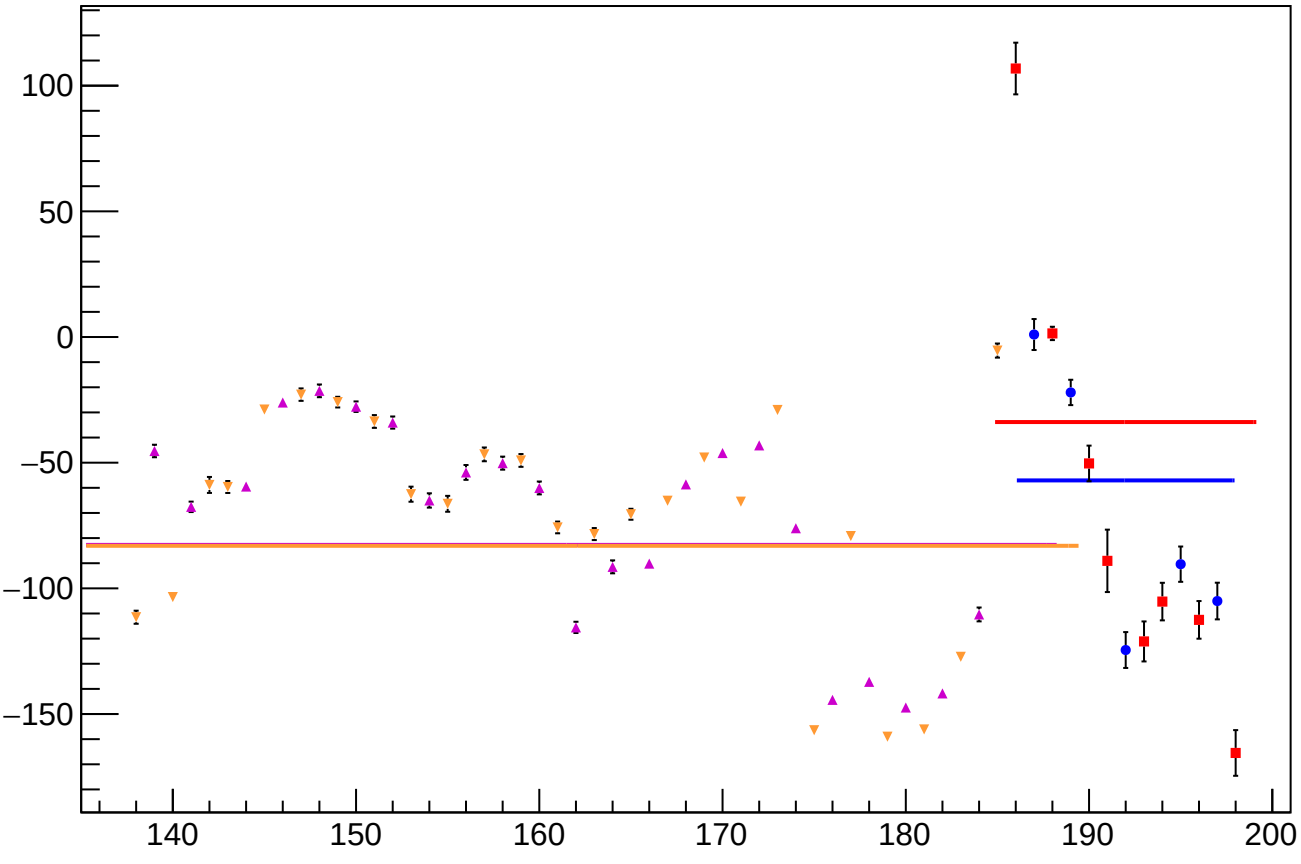
Right: 22.508+/-0.387 χ^2/NDF: 938.3/48

In: 21.168+/-0.135 χ^2/NDF:2679.9/44

Out: 21.108+/-0.135 χ^2/NDF:3244.2/51

All: 21.138+/-0.095 χ^2/NDF: 5924.2/96


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.482+/-0.029 χ²/NDF: 661.3/21
Left Out: 0.146+/-0.006 χ²/NDF:610.2/24
Right Out: -0.602+/-0.028 χ²/NDF: 1286.4/26
Left In: 0.151+/-0.006 χ²/NDF:869.5/22
Left: 0.149+/-0.005 χ²/NDF: 1480.1/47
Right: -0.544+/-0.020 χ²/NDF: 1956.8/48
In: 0.121+/-0.006 χ²/NDF:1995.0/44
Out: 0.109+/-0.006 χ²/NDF:2583.2/51
All: 0.115+/-0.004 χ²/NDF: 4579.9/96



Right In: -57.052+/-2.836 χ^2/NDF: 292.2/4

Left Out: -83.068+/-0.406 χ^2/NDF:13817.3/24

Right Out: -33.831+/-2.035 χ^2/NDF: 920.9/7

Left In: -82.711+/-0.415 χ^2/NDF:10841.4/22

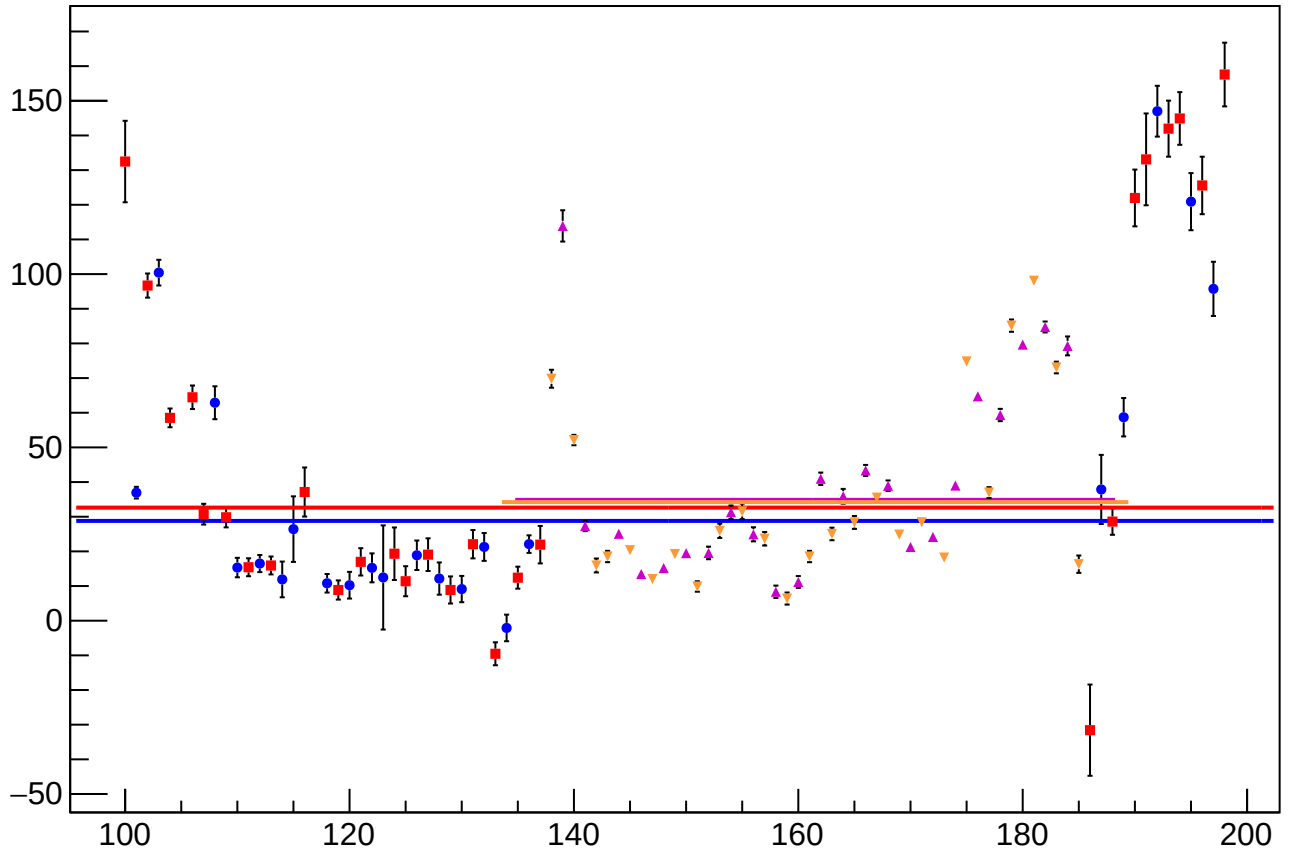
Left: -82.893+/-0.290 χ^2/NDF: 24659.1/47

Right: -41.724+/-1.653 χ^2/NDF: 1257.3/12

In: -82.172+/-0.411 χ^2/NDF:11213.7/27

Out: -81.180+/-0.398 χ^2/NDF:15301.4/32

All: -81.661+/-0.286 χ^2/NDF: 26518.1/60



Right In: 28.791+/-0.784 χ^2/NDF: 1195.9/21

Left Out: 34.219+/-0.320 χ^2/NDF:6192.6/24

Right Out: 32.631+/-0.773 χ^2/NDF: 1965.4/26

Left In: 34.870+/-0.329 χ^2/NDF:4716.1/22

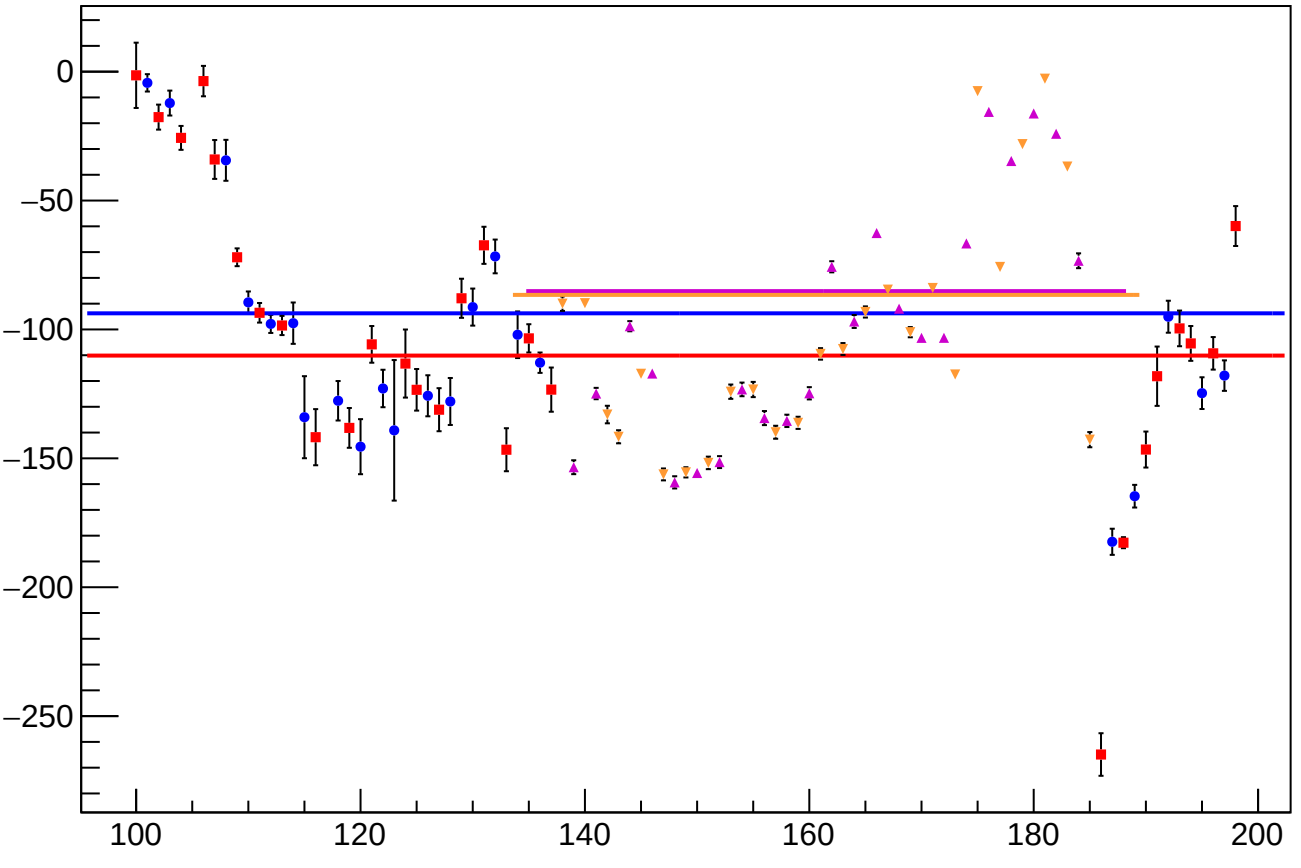
Left: 34.535+/-0.230 χ^2/NDF: 10910.7/47

Right: 30.739+/-0.550 χ^2/NDF: 3173.5/48

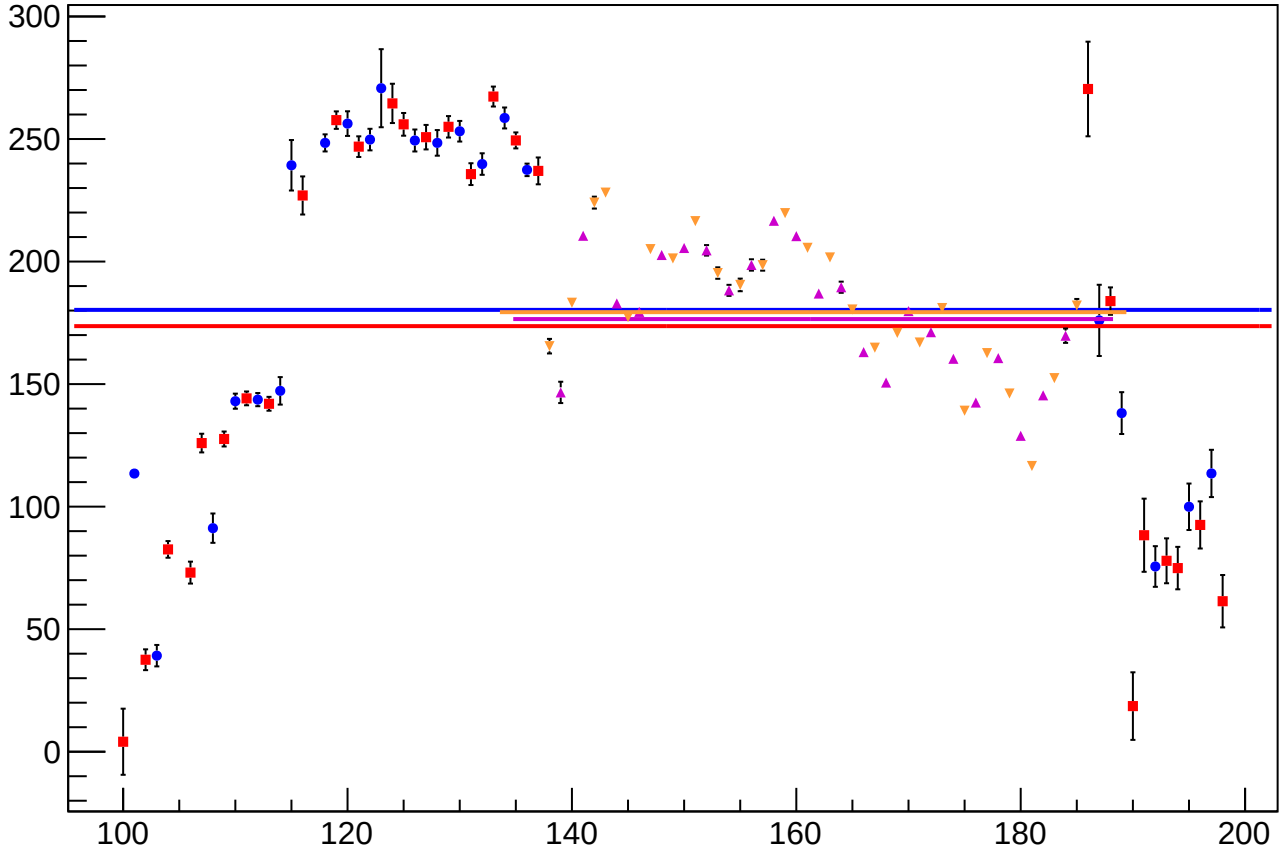
In: 33.959+/-0.304 χ^2/NDF:5963.1/44

Out: 33.986+/-0.296 χ^2/NDF:8161.6/51

All: 33.973+/-0.212 χ^2/NDF: 14124.7/96


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -93.745+/-1.223 χ²/NDF: 1790.2/21
Left Out: -86.595+/-0.408 χ²/NDF:14515.7/24
Right Out: -110.139+/-1.060 χ²/NDF: 3015.6/26
Left In: -85.134+/-0.415 χ²/NDF:12841.3/22
Left: -85.876+/-0.291 χ²/NDF: 27363.3/47
Right: -103.108+/-0.801 χ²/NDF: 4908.4/48
In: -86.023+/-0.393 χ²/NDF:14675.9/44
Out: -89.639+/-0.381 χ²/NDF:17961.0/51
All: -87.887+/-0.274 χ²/NDF: 32680.5/96

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 180.288+/-0.900 χ^2/NDF: 5633.5/21

Left Out: 179.359+/-0.362 χ^2/NDF:5982.2/24

Right Out: 173.651+/-0.892 χ^2/NDF: 6965.5/26

Left In: 176.531+/-0.371 χ^2/NDF:4426.0/22

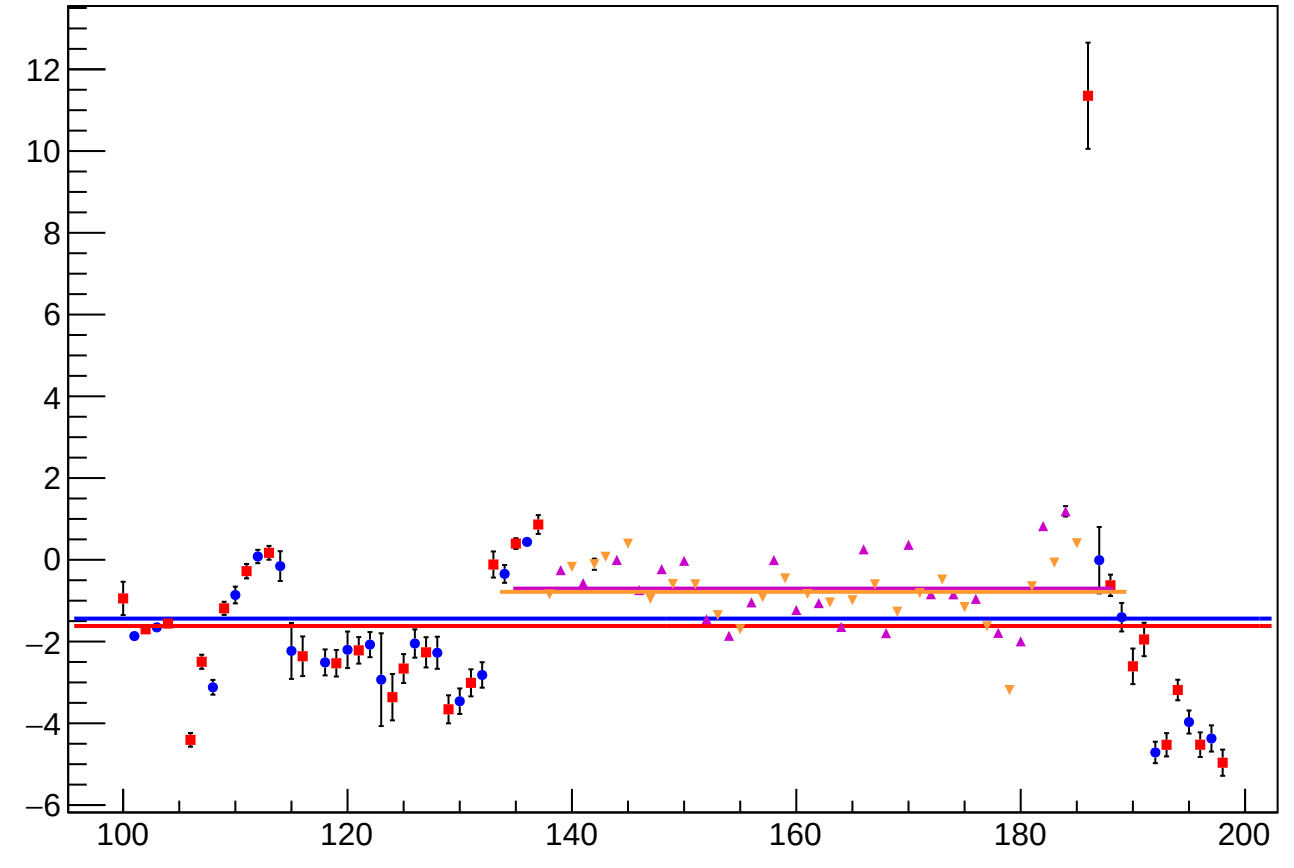
Left: 177.980+/-0.259 χ^2/NDF: 10438.0/47

Right: 176.940+/-0.633 χ^2/NDF: 12626.4/48

In: 177.077+/-0.343 χ^2/NDF:10074.4/44

Out: 178.552+/-0.335 χ^2/NDF:12982.9/51

All: 177.831+/-0.240 χ^2/NDF: 23066.7/96



Right In: -1.438+/-0.046 χ^2/NDF: 968.9/21

Left Out: -0.783+/-0.017 χ^2/NDF:1771.6/24

Right Out: -1.619+/-0.043 χ^2/NDF: 1409.7/26

Left In: -0.705+/-0.017 χ^2/NDF:2407.7/22

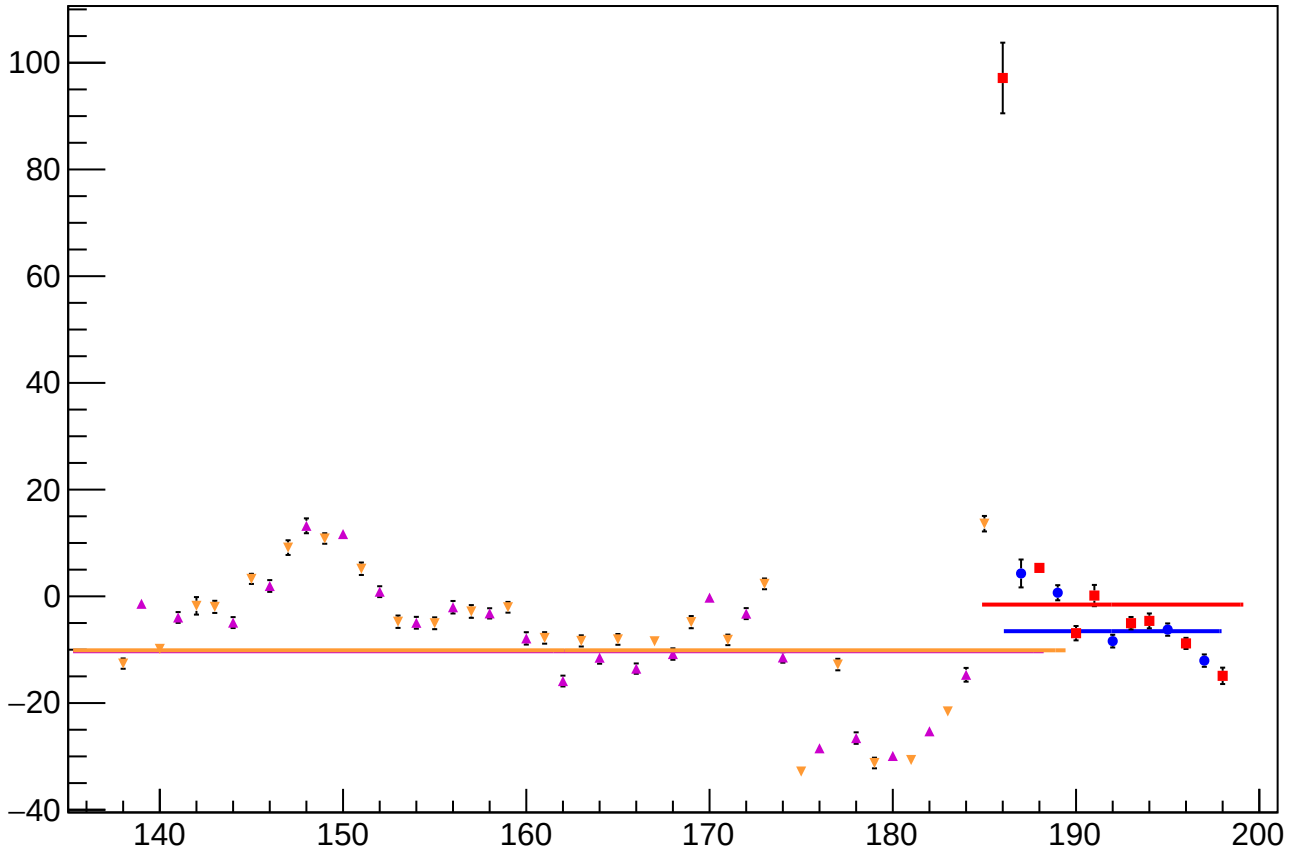
Left: -0.745+/-0.012 χ^2/NDF: 4190.3/47

Right: -1.535+/-0.031 χ^2/NDF: 2386.9/48

In: -0.793+/-0.016 χ^2/NDF:3602.2/44

Out: -0.894+/-0.015 χ^2/NDF:3515.3/51

All: -0.845+/-0.011 χ^2/NDF: 7138.2/96



Right In: -6.531+/-0.594 χ^2/NDF: 68.0/4

Left Out: -10.117+/-0.201 χ^2/NDF:4138.1/24

Right Out: -1.546+/-0.413 χ^2/NDF: 492.3/7

Left In: -10.290+/-0.205 χ^2/NDF:3451.0/22

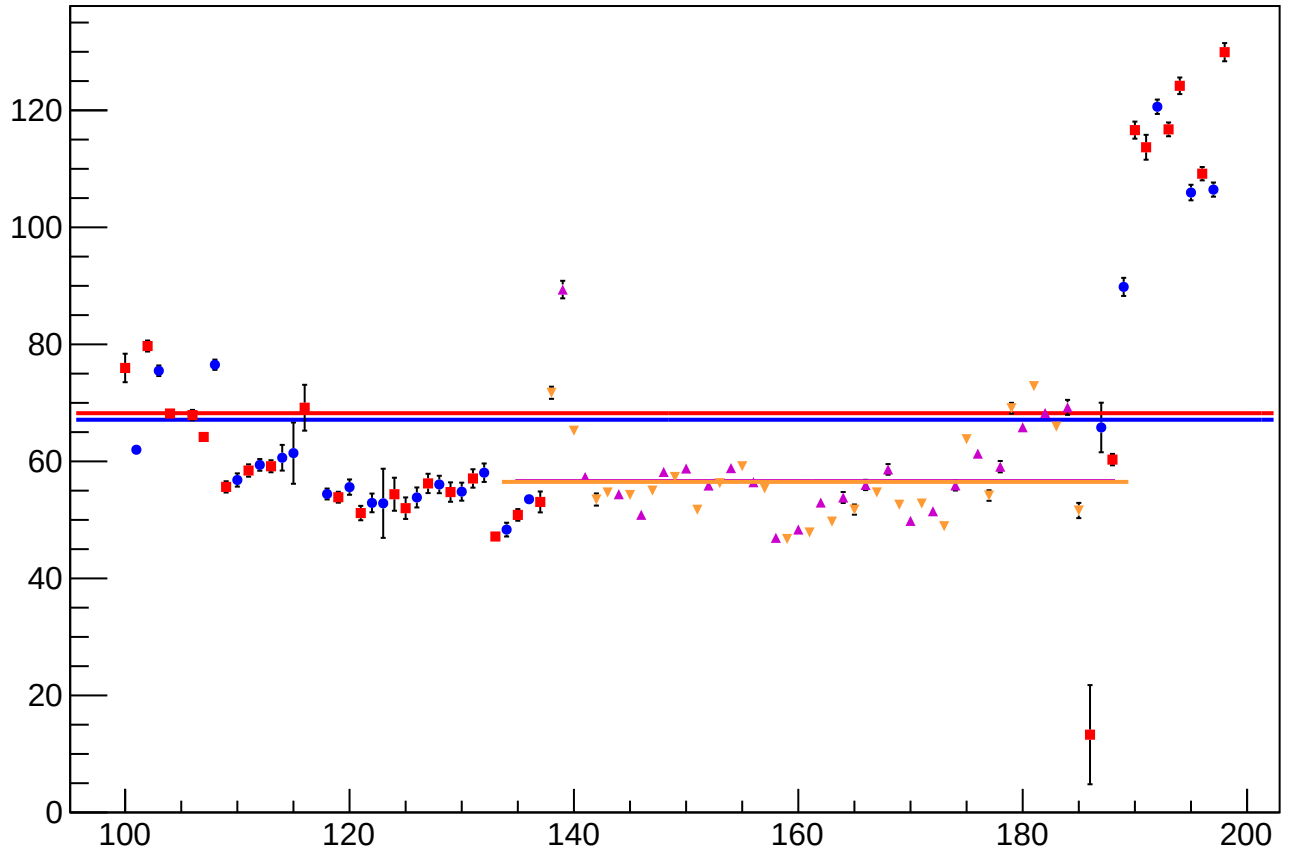
Left: -10.202+/-0.144 χ^2/NDF: 7589.5/47

Right: -3.168+/-0.339 χ^2/NDF: 607.8/12

In: -9.889+/-0.194 χ^2/NDF:3554.8/27

Out: -8.469+/-0.181 χ^2/NDF:4978.7/32

All: -9.129+/-0.132 χ^2/NDF: 8562.1/60



Right In: 67.116+/-0.244 χ^2/NDF: 5550.7/21

Left Out: 56.496+/-0.159 χ^2/NDF:1968.0/24

Right Out: 68.238+/-0.221 χ^2/NDF: 10357.2/26

Left In: 56.635+/-0.165 χ^2/NDF:1607.9/22

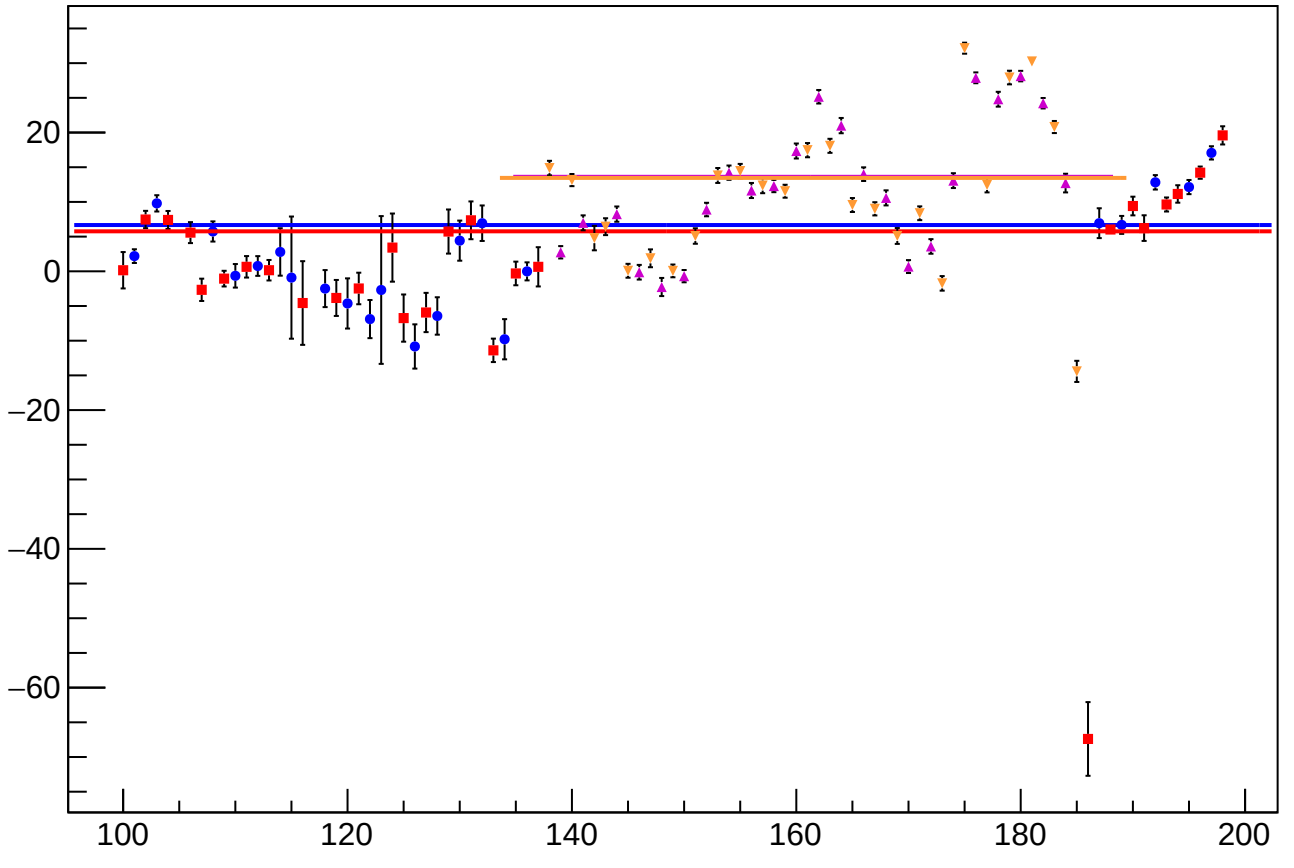
Left: 56.563+/-0.114 χ^2/NDF: 3576.3/47

Right: 67.731+/-0.164 χ^2/NDF: 15919.5/48

In: 59.929+/-0.137 χ^2/NDF:8424.6/44

Out: 60.489+/-0.129 χ^2/NDF:14182.8/51

All: 60.225+/-0.094 χ^2/NDF: 22616.3/96



Right In: 6.669+/-0.342 χ^2/NDF: 407.2/21

Left Out: 13.462+/-0.202 χ^2/NDF:2736.3/24

Right Out: 5.762+/-0.271 χ^2/NDF: 710.8/26

Left In: 13.620+/-0.204 χ^2/NDF:2315.4/22

Left: 13.540+/-0.144 χ^2/NDF: 5052.0/47

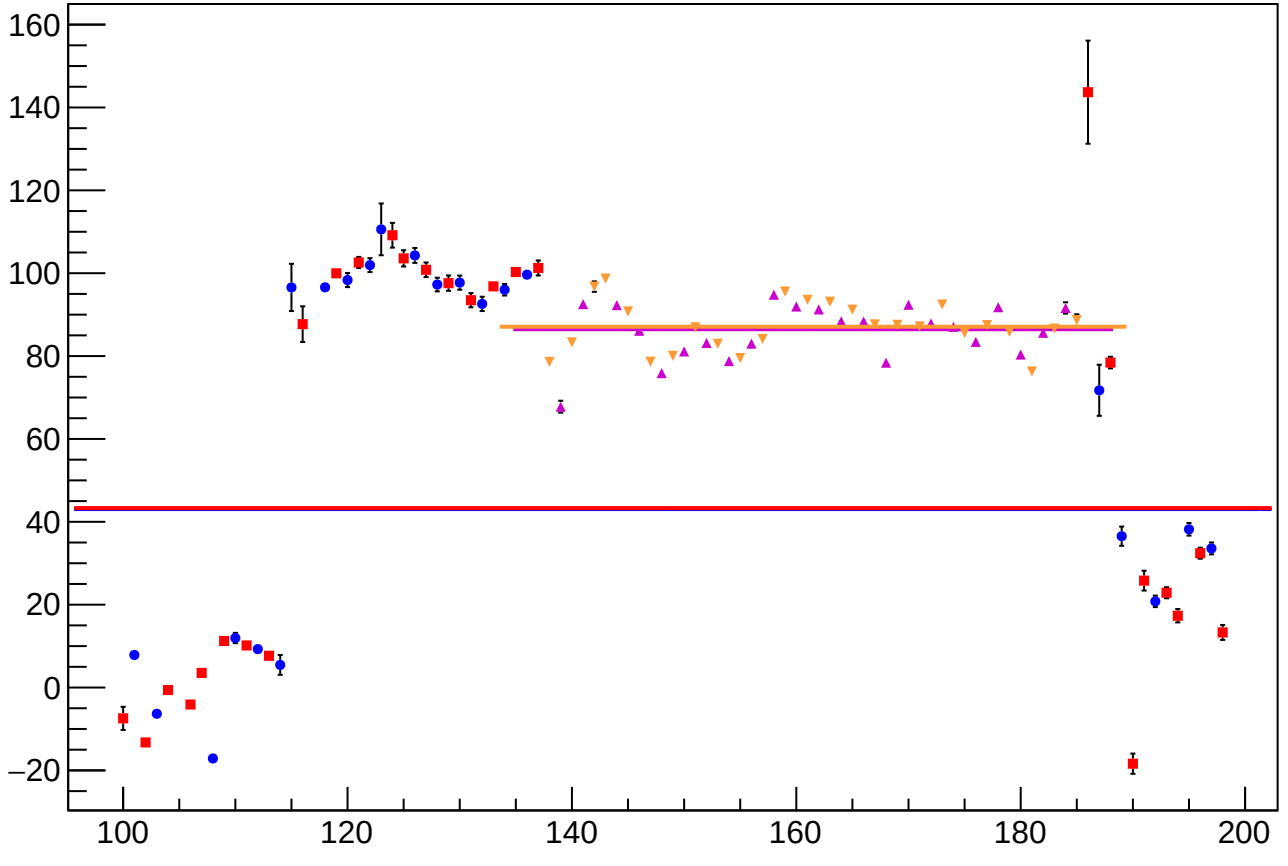
Right: 6.111+/-0.213 χ^2/NDF: 1122.3/48

In: 11.794+/-0.176 χ^2/NDF:3026.3/44

Out: 10.723+/-0.162 χ^2/NDF:3966.6/51

All: 11.214+/-0.119 χ^2/NDF: 7013.0/96

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.078+/-0.284 χ^2/NDF: 25073.3/21

Left Out: 87.087+/-0.179 χ^2/NDF:1085.8/24

Right Out: 43.309+/-0.262 χ^2/NDF: 30523.1/26

Left In: 86.482+/-0.185 χ^2/NDF:1003.2/22

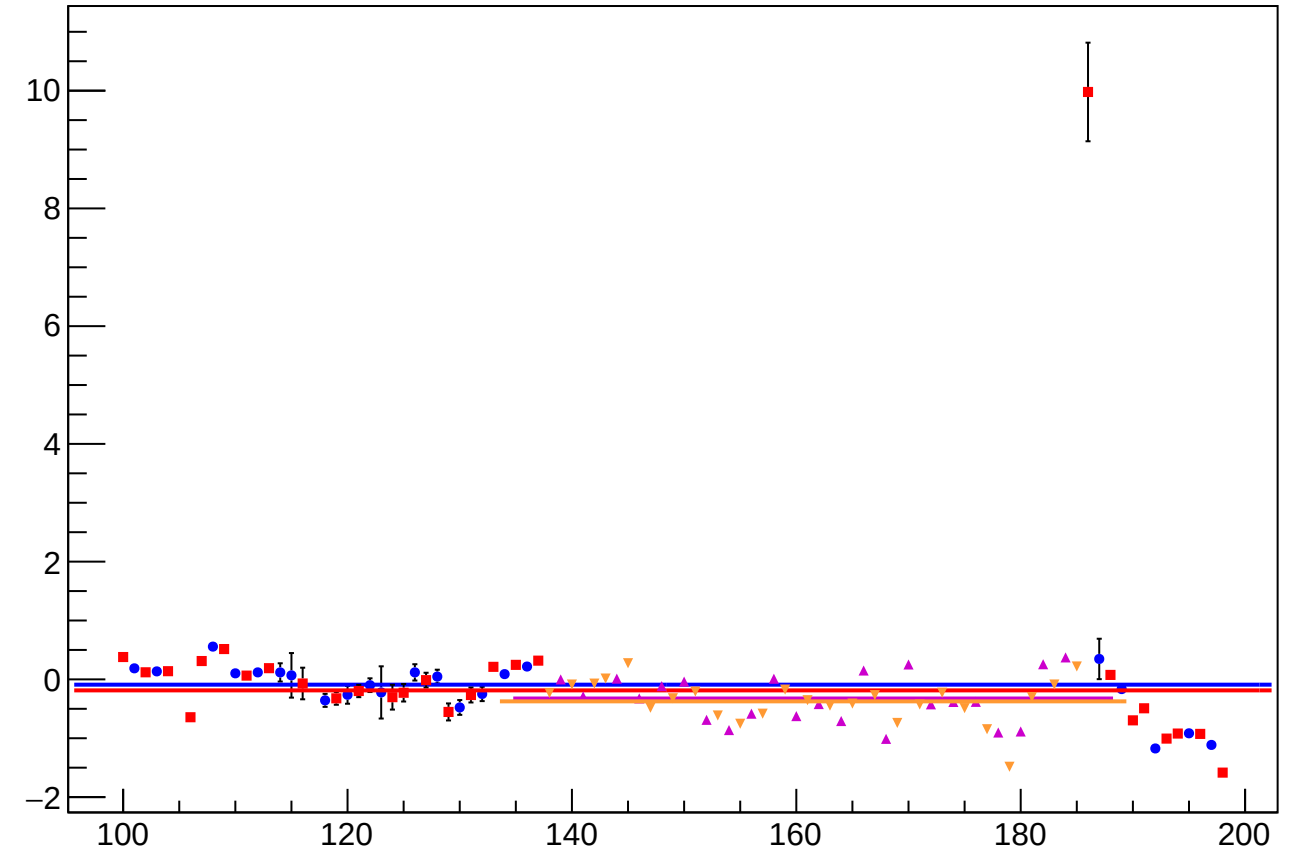
Left: 86.794+/-0.129 χ^2/NDF: 2094.5/47

Right: 43.203+/-0.192 χ^2/NDF: 55596.7/48

In: 73.592+/-0.155 χ^2/NDF:42491.7/44

Out: 73.130+/-0.148 χ^2/NDF:50662.1/51

All: 73.350+/-0.107 χ^2/NDF: 93158.5/96



Right In: -0.090+/-0.012 χ^2/NDF: 2108.6/21

Left Out: -0.373+/-0.008 χ^2/NDF:1668.6/24

Right Out: -0.187+/-0.011 χ^2/NDF: 2898.9/26

Left In: -0.325+/-0.008 χ^2/NDF:2284.1/22

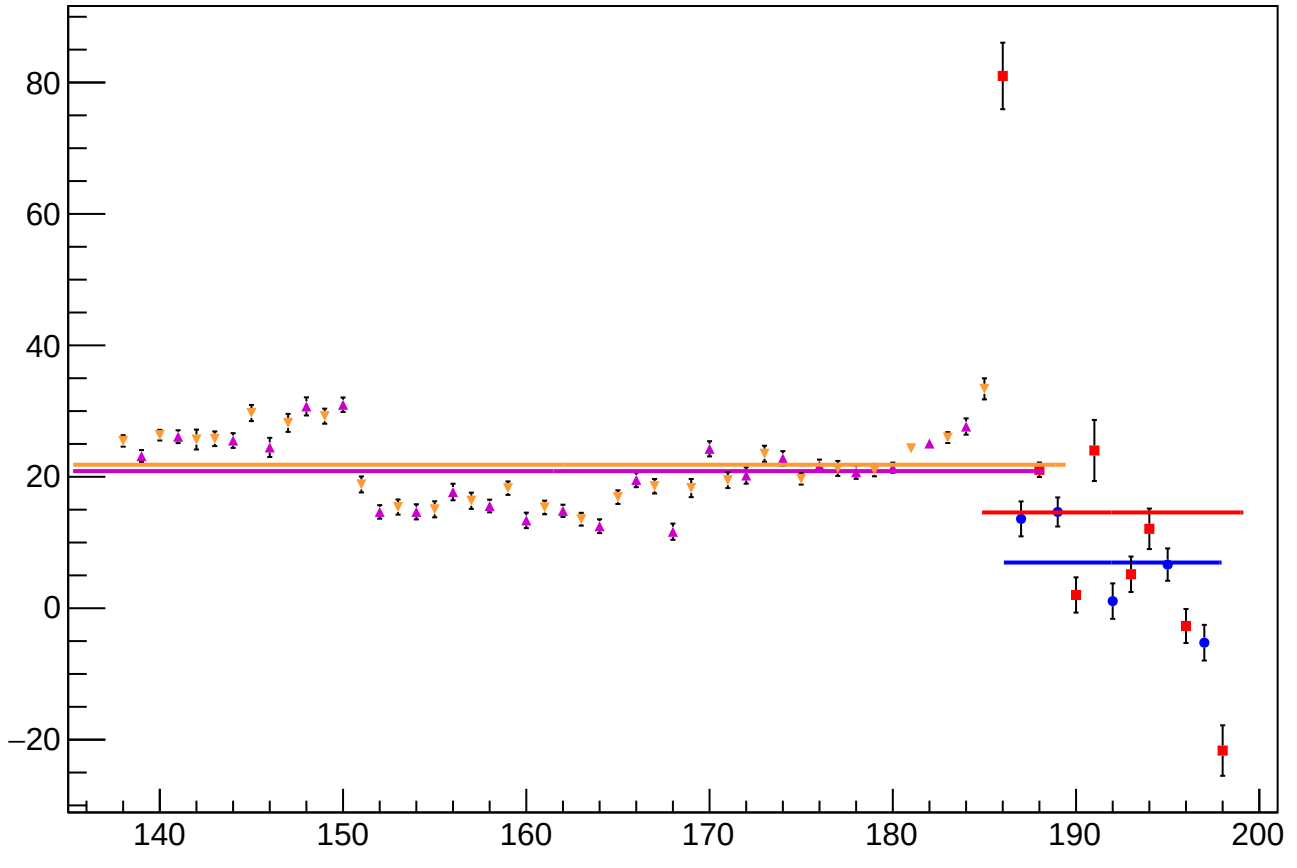
Left: -0.349+/-0.006 χ^2/NDF: 3970.2/47

Right: -0.144+/-0.008 χ^2/NDF: 5042.8/48

In: -0.252+/-0.007 χ^2/NDF:4648.4/44

Out: -0.306+/-0.007 χ^2/NDF:4756.9/51

All: -0.280+/-0.005 χ^2/NDF: 9438.7/96



Right In: 6.955+/-1.130 χ^2/NDF: 43.3/4

Left Out: 21.836+/-0.210 χ^2/NDF:524.3/24

Right Out: 14.576+/-0.817 χ^2/NDF: 378.9/7

Left In: 20.866+/-0.217 χ^2/NDF:576.9/22

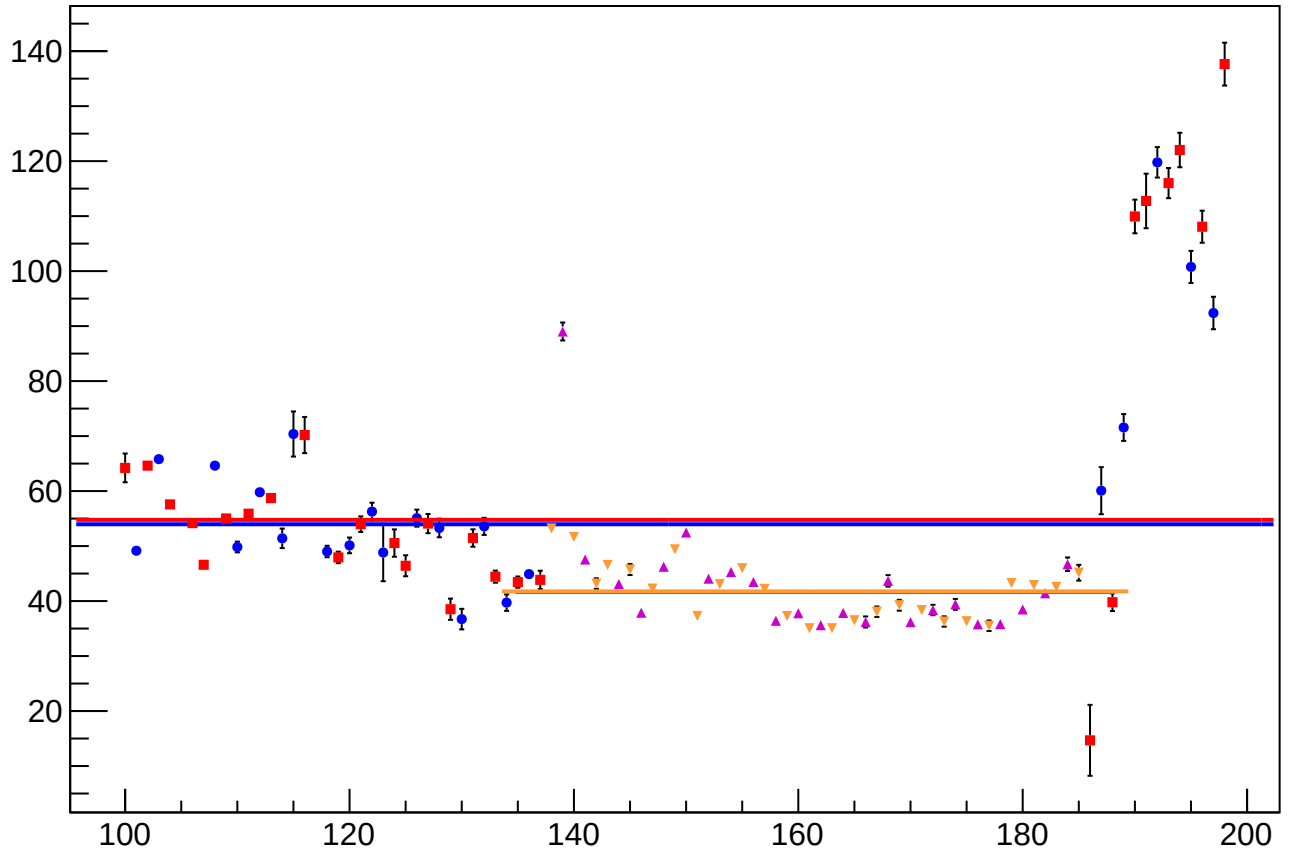
Left: 21.366+/-0.151 χ^2/NDF: 1111.6/47

Right: 11.960+/-0.662 χ^2/NDF: 452.0/12

In: 20.372+/-0.213 χ^2/NDF:766.4/27

Out: 21.387+/-0.203 χ^2/NDF:977.3/32

All: 20.903+/-0.147 χ^2/NDF: 1755.6/60



Right In: 53.964+/-0.208 χ^2/NDF: 2263.4/21

Left Out: 41.757+/-0.165 χ^2/NDF:1015.7/24

Right Out: 54.766+/-0.221 χ^2/NDF: 3249.4/26

Left In: 41.643+/-0.174 χ^2/NDF:1611.0/22

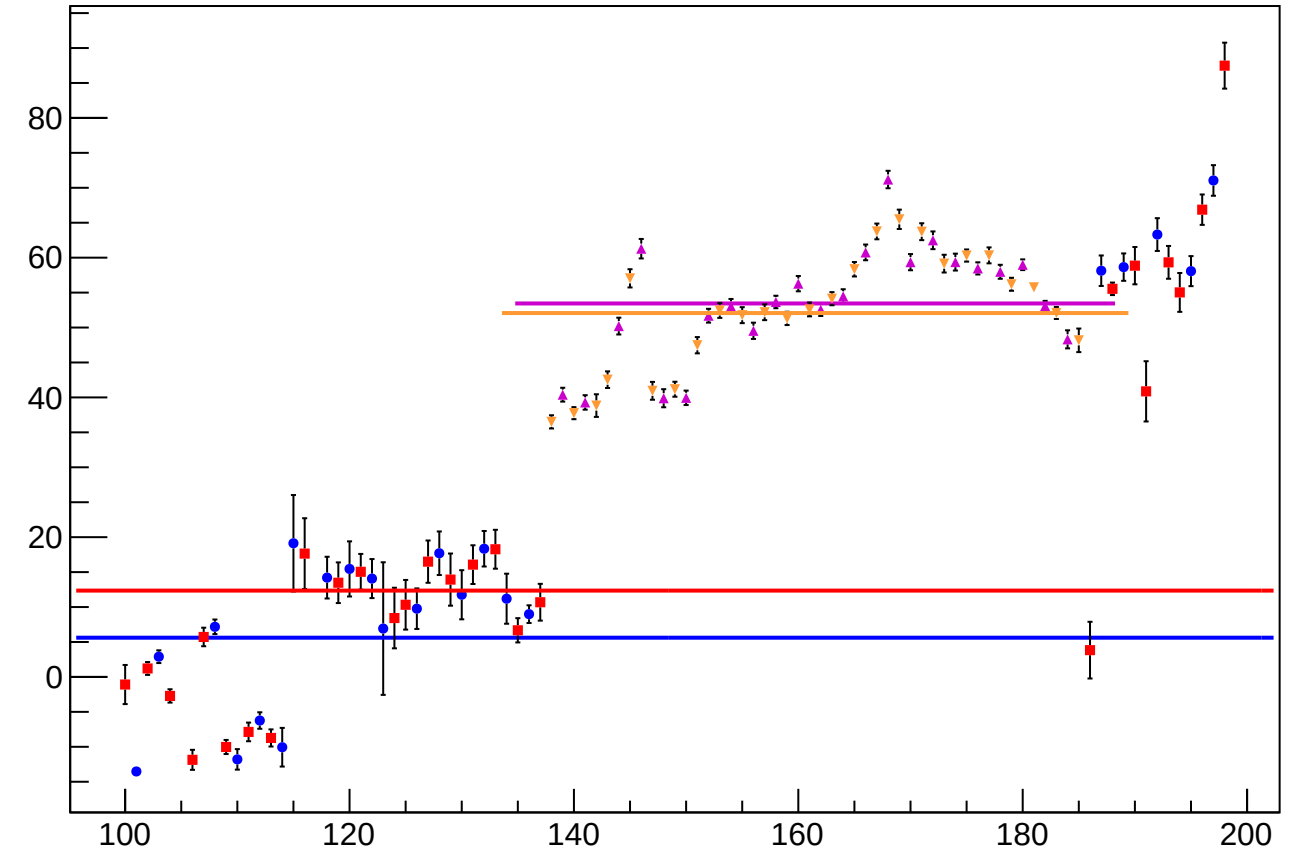
Left: 41.703+/-0.120 χ^2/NDF: 2626.9/47

Right: 54.341+/-0.152 χ^2/NDF: 5519.9/48

In: 46.698+/-0.133 χ^2/NDF:5936.6/44

Out: 46.417+/-0.132 χ^2/NDF:6482.2/51

All: 46.556+/-0.094 χ^2/NDF: 12421.1/96



Right In: 5.614+/-0.341 χ^2/NDF: 4720.1/21

Left Out: 52.076+/-0.210 χ^2/NDF:1450.9/24

Right Out: 12.354+/-0.331 χ^2/NDF: 6247.0/26

Left In: 53.447+/-0.215 χ^2/NDF:1169.0/22

Left: 52.744+/-0.150 χ^2/NDF: 2640.6/47

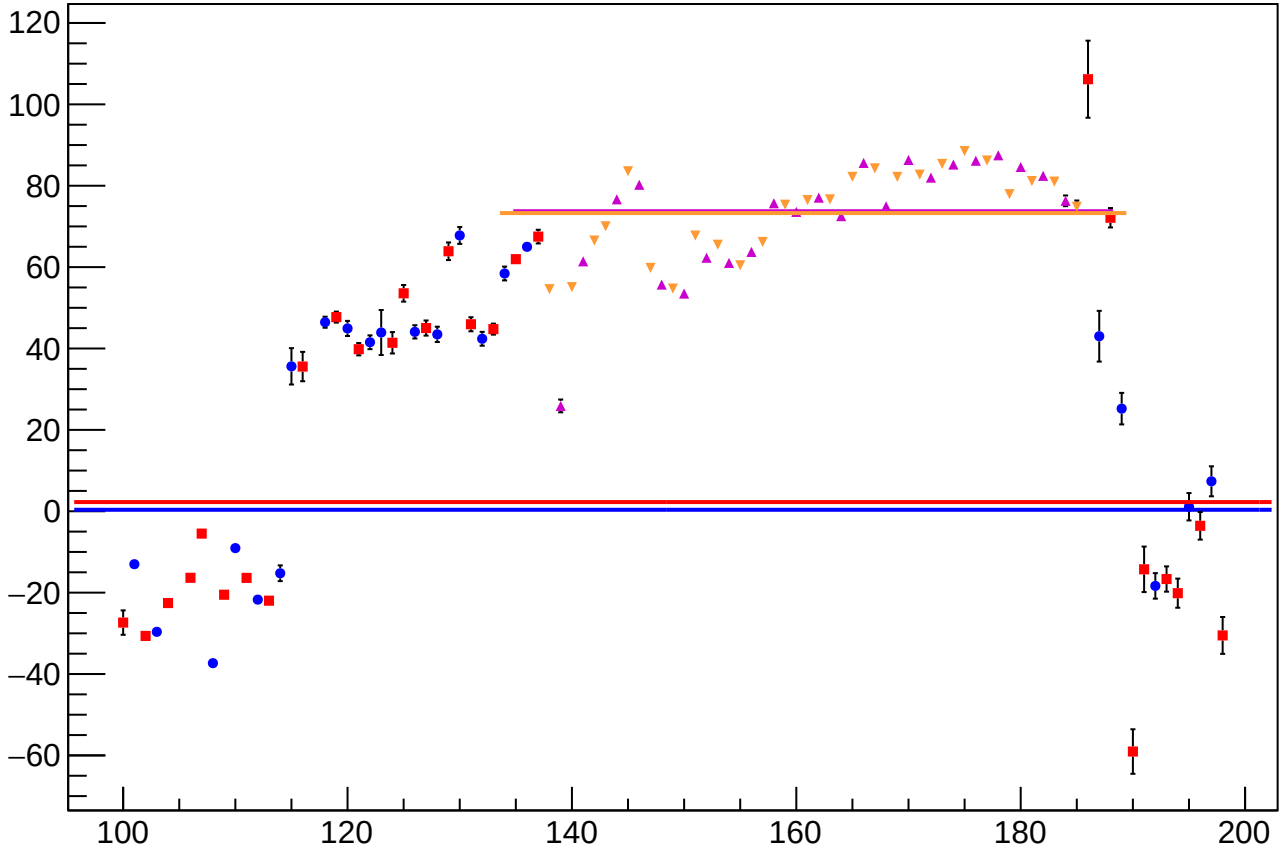
Right: 9.090+/-0.237 χ^2/NDF: 11168.6/48

In: 39.811+/-0.182 χ^2/NDF:19953.1/44

Out: 40.654+/-0.177 χ^2/NDF:17985.5/51

All: 40.244+/-0.127 χ^2/NDF: 37949.6/96

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.363+/-0.245 χ^2/NDF: 18347.5/21

Left Out: 73.284+/-0.187 χ^2/NDF:3144.2/24

Right Out: 2.258+/-0.262 χ^2/NDF: 16661.1/26

Left In: 73.730+/-0.194 χ^2/NDF:3775.8/22

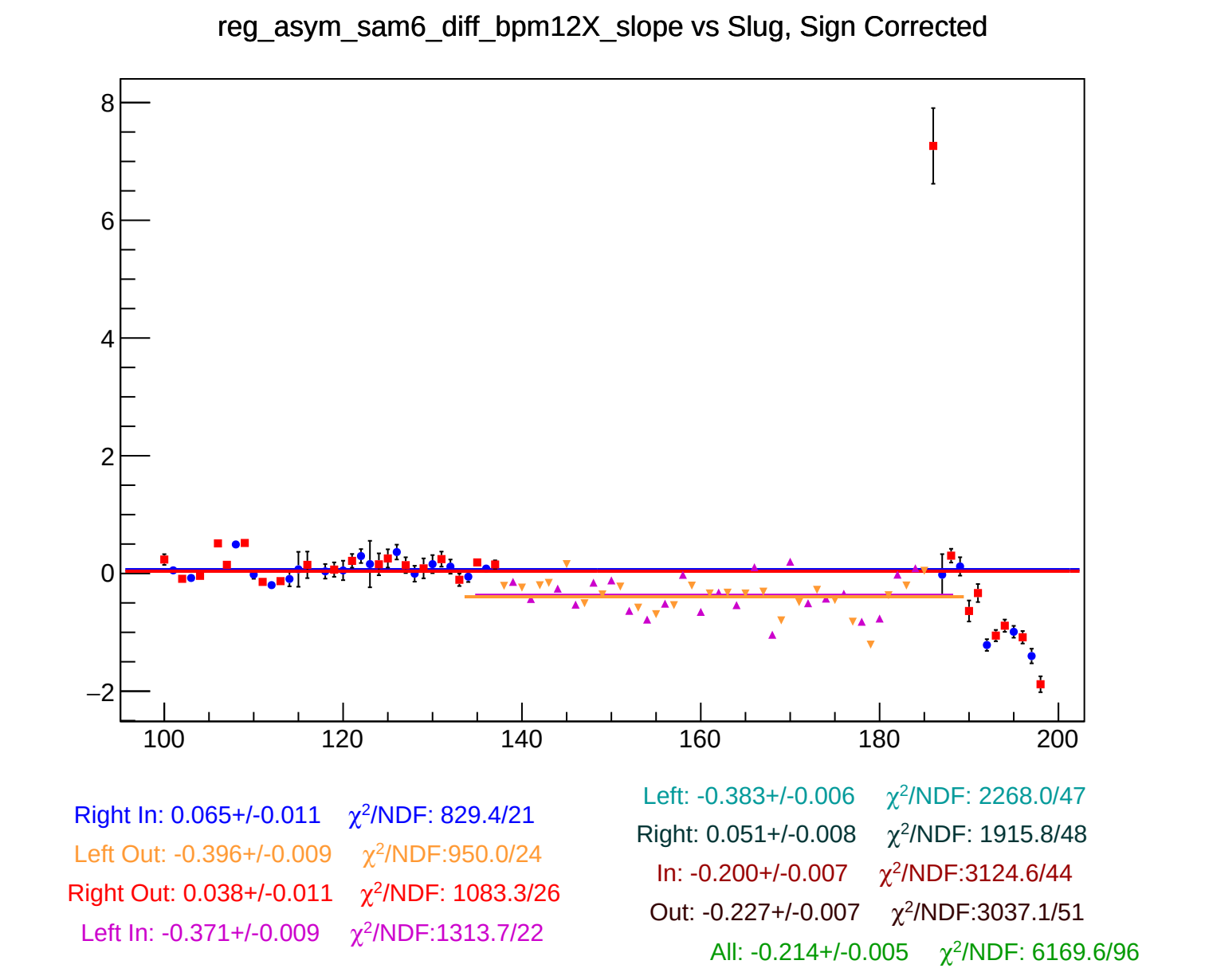
Left: 73.498+/-0.135 χ^2/NDF: 6922.7/47

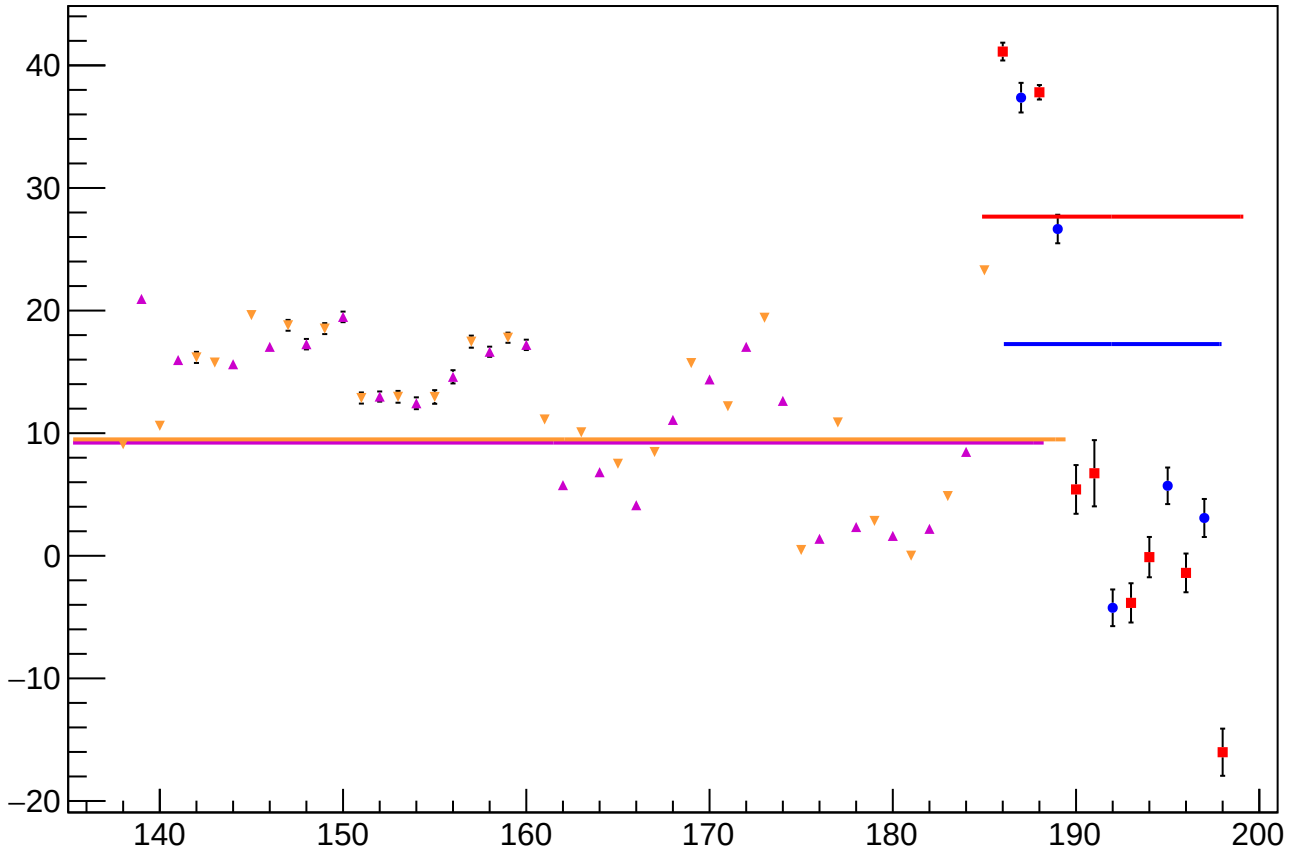
Right: 1.249+/-0.179 χ^2/NDF: 35036.5/48

In: 45.394+/-0.152 χ^2/NDF:77170.9/44

Out: 49.282+/-0.152 χ^2/NDF:68636.8/51

All: 47.341+/-0.108 χ^2/NDF: 146134.1/96


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.065+/-0.011 χ²/NDF: 829.4/21
Left Out: -0.396+/-0.009 χ²/NDF:950.0/24
Right Out: 0.038+/-0.011 χ²/NDF: 1083.3/26
Left In: -0.371+/-0.009 χ²/NDF:1313.7/22
Left: -0.383+/-0.006 χ²/NDF: 2268.0/47
Right: 0.051+/-0.008 χ²/NDF: 1915.8/48
In: -0.200+/-0.007 χ²/NDF:3124.6/44
Out: -0.227+/-0.007 χ²/NDF:3037.1/51
All: -0.214+/-0.005 χ²/NDF: 6169.6/96



Right In: 17.268+/-0.605 χ^2/NDF: 692.4/4

Left Out: 9.495+/-0.061 χ^2/NDF:12609.1/24

Right Out: 27.664+/-0.390 χ^2/NDF: 2350.3/7

Left In: 9.231+/-0.063 χ^2/NDF:10736.2/22

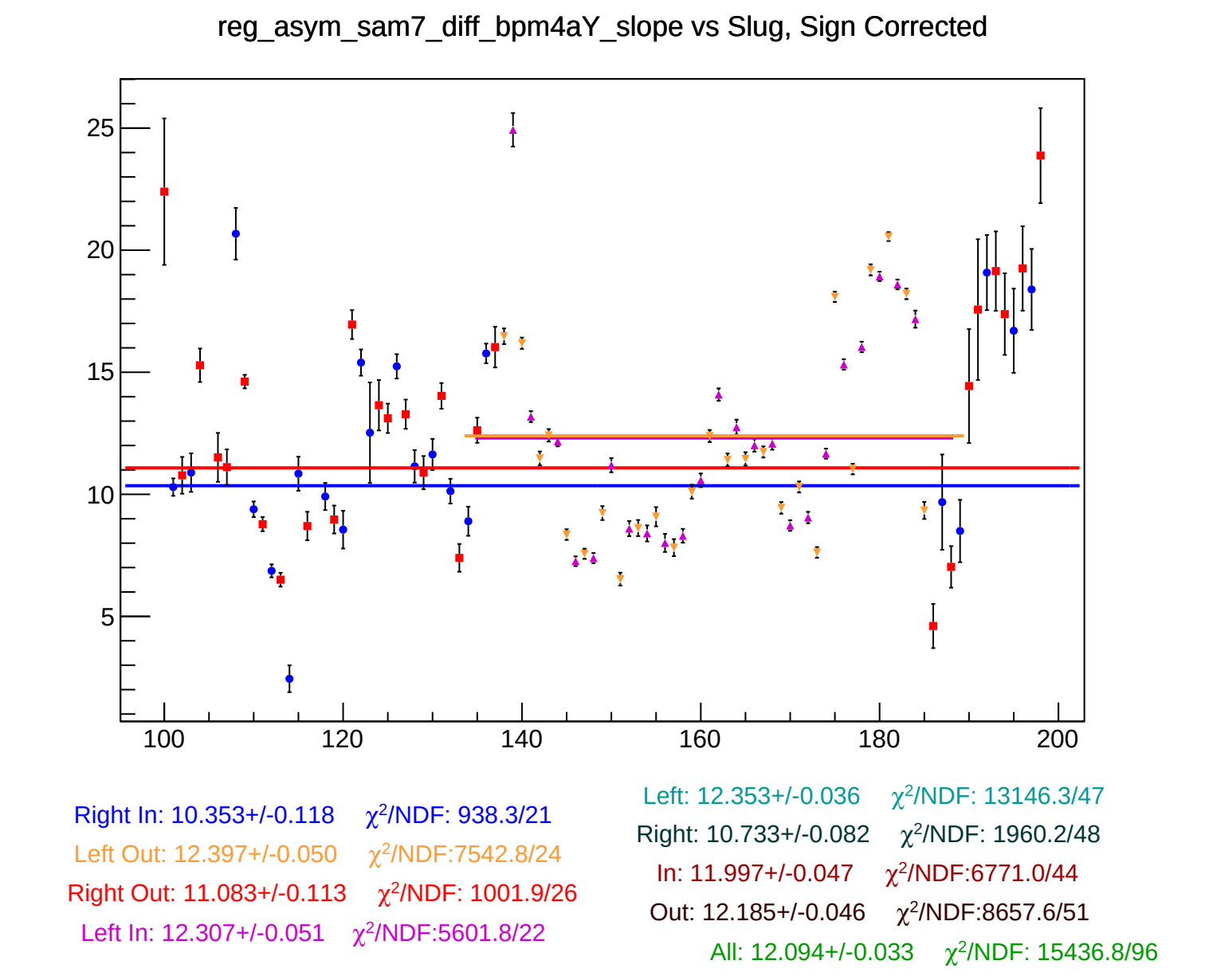
Left: 9.367+/-0.044 χ^2/NDF: 23354.3/47

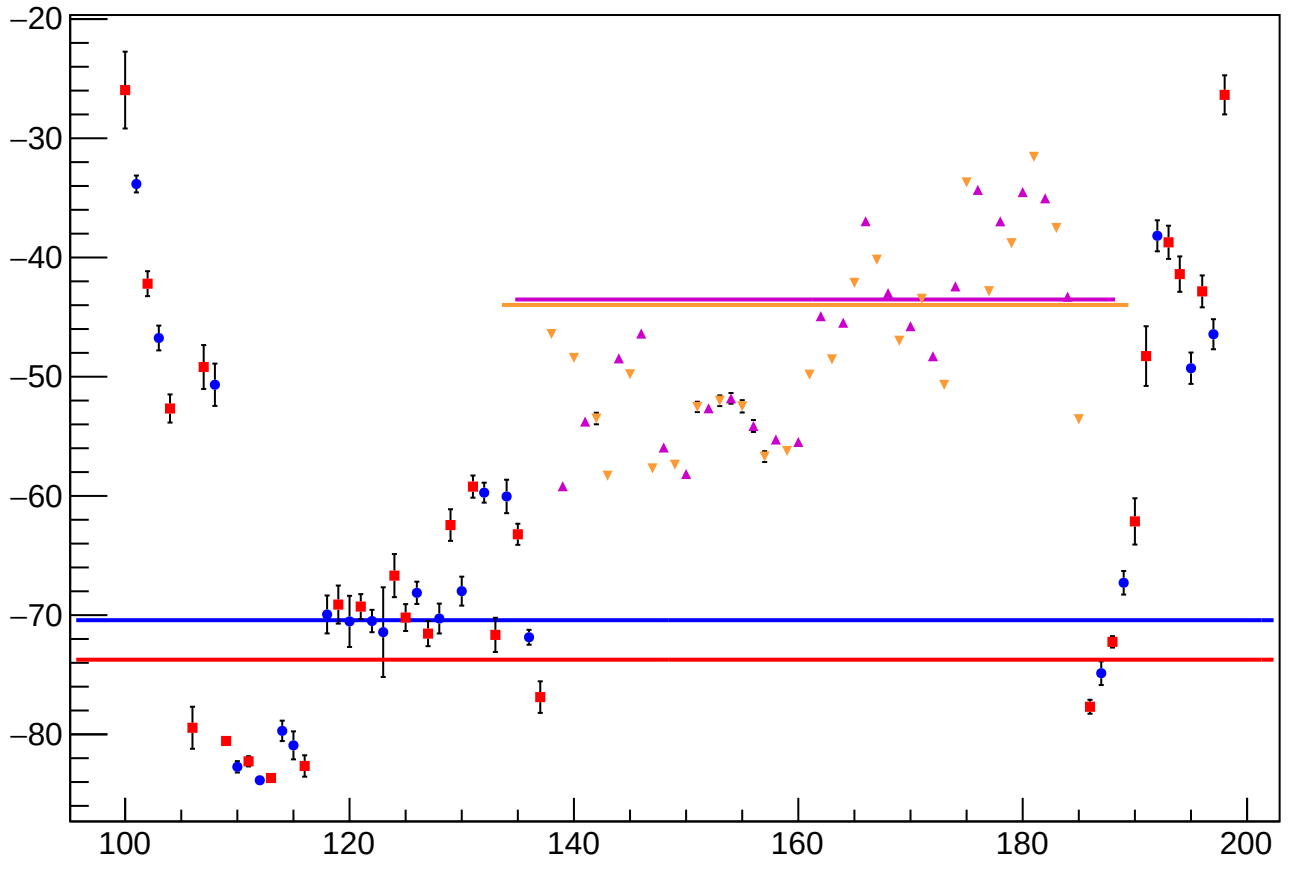
Right: 24.610+/-0.328 χ^2/NDF: 3251.5/12

In: 9.317+/-0.063 χ^2/NDF:11603.4/27

Out: 9.932+/-0.061 χ^2/NDF:17078.8/32

All: 9.636+/-0.044 χ^2/NDF: 28732.0/60


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
25
20
15
10
5
100
120
140
160
180
200
Right In: 10.353+/-0.118 χ²/NDF: 938.3/21
Left Out: 12.397+/-0.050 χ²/NDF:7542.8/24
Right Out: 11.083+/-0.113 χ²/NDF: 1001.9/26
Left In: 12.307+/-0.051 χ²/NDF:5601.8/22
Left: 12.353+/-0.036 χ²/NDF: 13146.3/47
Right: 10.733+/-0.082 χ²/NDF: 1960.2/48
In: 11.997+/-0.047 χ²/NDF:6771.0/44
Out: 12.185+/-0.046 χ²/NDF:8657.6/51
All: 12.094+/-0.033 χ²/NDF: 15436.8/96



Right In: -70.425+/-0.185 χ^2/NDF: 6908.3/21

Left Out: -43.982+/-0.062 χ^2/NDF:17736.8/24

Right Out: -73.737+/-0.158 χ^2/NDF: 6288.2/26

Left In: -43.523+/-0.063 χ^2/NDF:15267.1/22

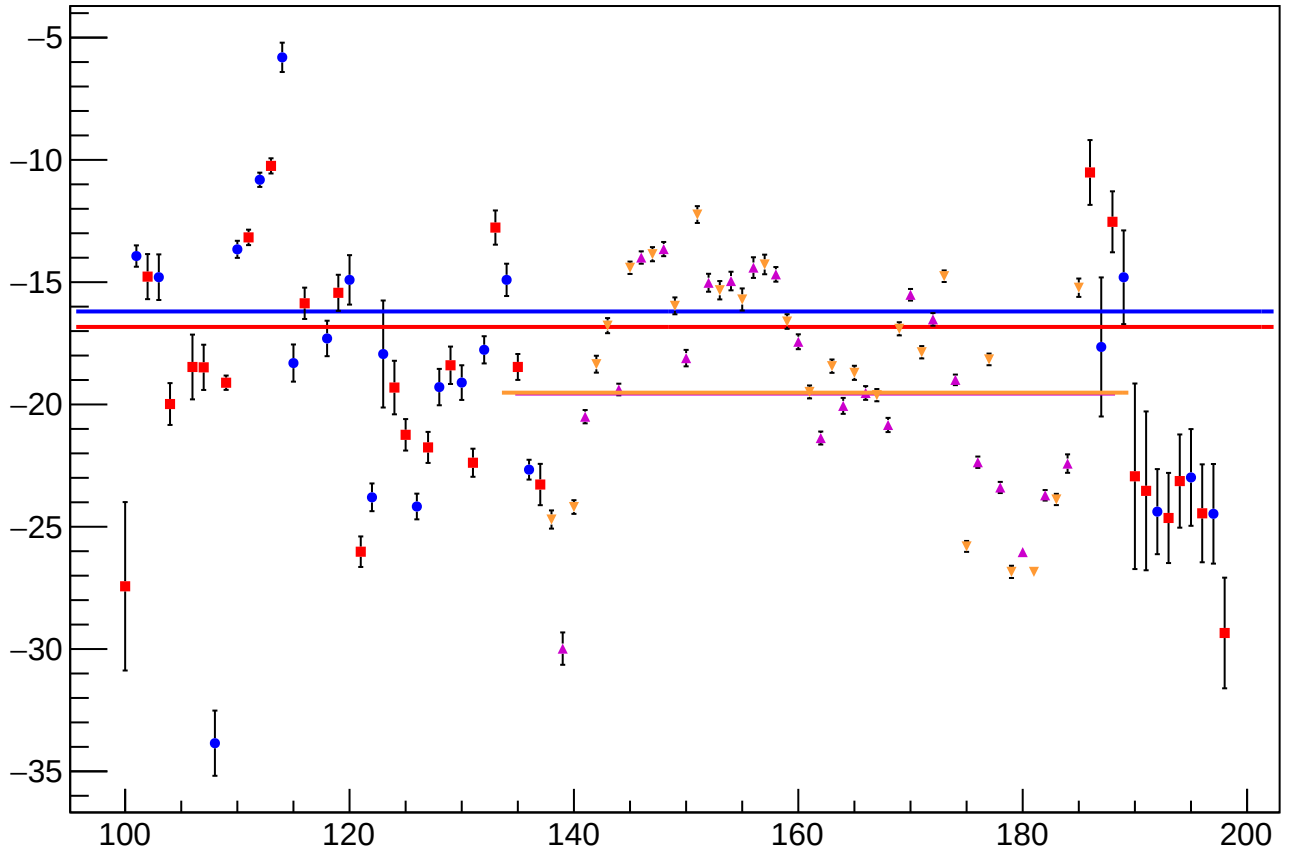
Left: -43.757+/-0.044 χ^2/NDF: 33030.8/47

Right: -72.341+/-0.120 χ^2/NDF: 13382.0/48

In: -46.345+/-0.060 χ^2/NDF:41110.0/44

Out: -47.949+/-0.058 χ^2/NDF:54801.2/51

All: -47.178+/-0.042 χ^2/NDF: 96283.4/96



Right In: -16.197+/-0.131 χ^2/NDF: 1672.6/21

Left Out: -19.517+/-0.056 χ^2/NDF:6518.3/24

Right Out: -16.830+/-0.126 χ^2/NDF: 1326.8/26

Left In: -19.555+/-0.057 χ^2/NDF:4311.2/22

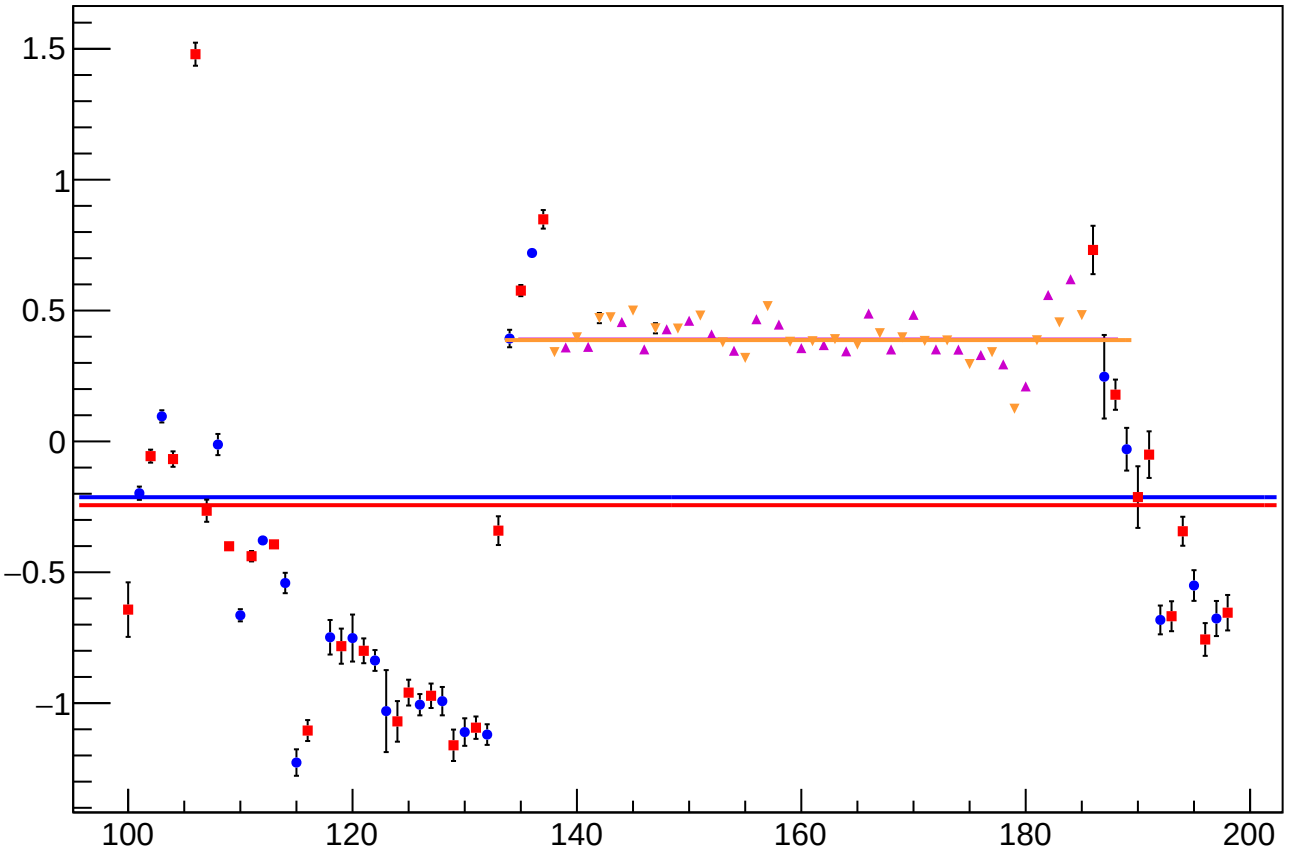
Left: -19.536+/-0.040 χ^2/NDF: 10829.6/47

Right: -16.527+/-0.091 χ^2/NDF: 3011.5/48

In: -19.018+/-0.053 χ^2/NDF:6532.2/44

Out: -19.076+/-0.051 χ^2/NDF:8226.1/51

All: -19.048+/-0.037 χ^2/NDF: 14758.9/96



Right In: -0.213+/-0.007 χ^2/NDF: 6488.9/21

Left Out: 0.387+/-0.003 χ^2/NDF:995.0/24

Right Out: -0.244+/-0.007 χ^2/NDF: 6509.2/26

Left In: 0.389+/-0.003 χ^2/NDF:1256.9/22

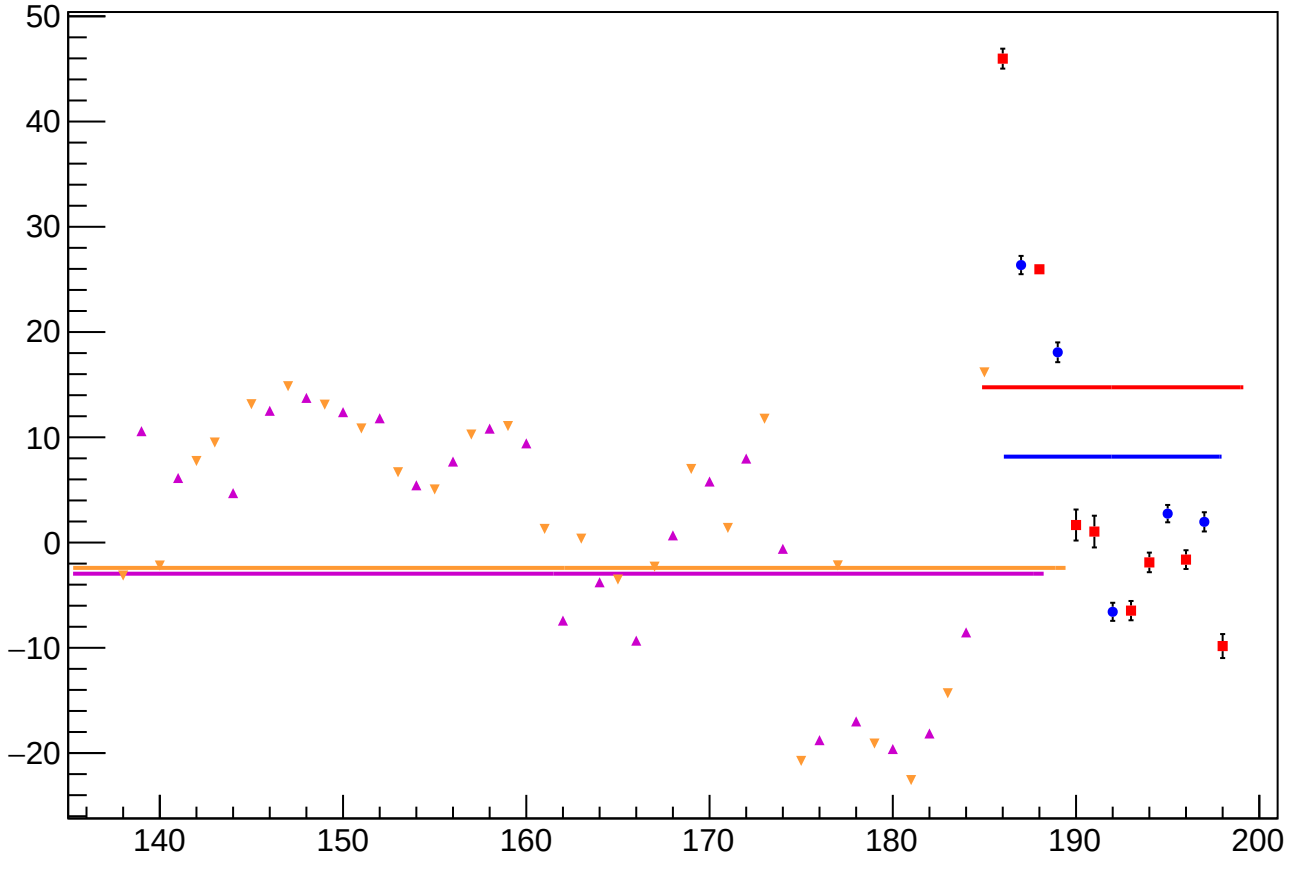
Left: 0.388+/-0.002 χ^2/NDF: 2252.2/47

Right: -0.229+/-0.005 χ^2/NDF: 13007.3/48

In: 0.321+/-0.002 χ^2/NDF:13713.7/44

Out: 0.311+/-0.002 χ^2/NDF:14878.8/51

All: 0.316+/-0.002 χ^2/NDF: 28602.0/96



Right In: 8.163+/-0.393 χ^2/NDF: 934.9/4

Left Out: -2.407+/-0.053 χ^2/NDF:56368.5/24

Right Out: 14.752+/-0.290 χ^2/NDF: 3593.4/7

Left In: -2.959+/-0.055 χ^2/NDF:45922.6/22

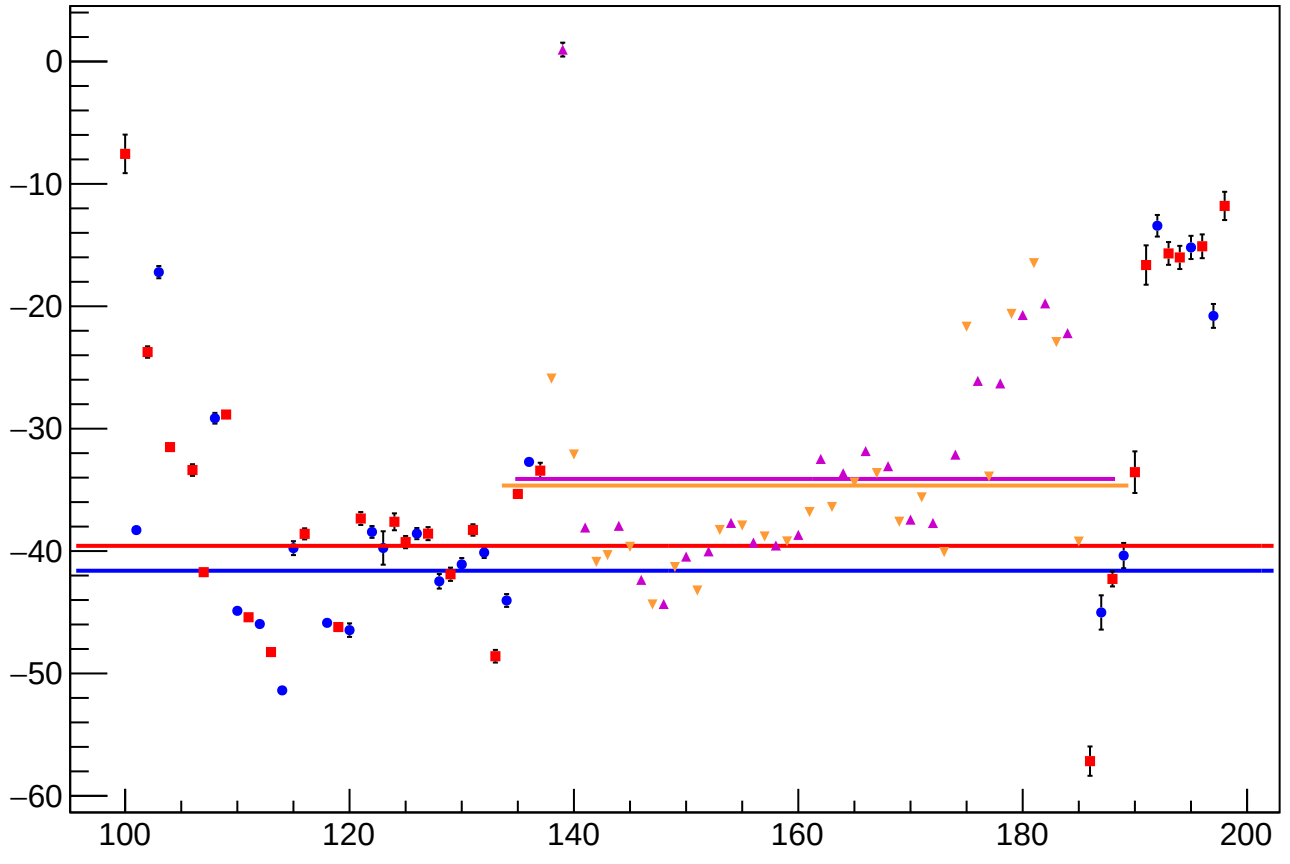
Left: -2.672+/-0.038 χ^2/NDF: 102343.8/47

Right: 12.422+/-0.234 χ^2/NDF: 4710.2/12

In: -2.746+/-0.054 χ^2/NDF:47644.3/27

Out: -1.858+/-0.052 χ^2/NDF:63340.9/32

All: -2.282+/-0.038 χ^2/NDF: 111124.8/60



Right In: -41.606+/-0.077 χ^2/NDF: 8855.5/21

Left Out: -34.646+/-0.042 χ^2/NDF:34674.7/24

Right Out: -39.573+/-0.071 χ^2/NDF: 14306.5/26

Left In: -34.108+/-0.044 χ^2/NDF:29052.8/22

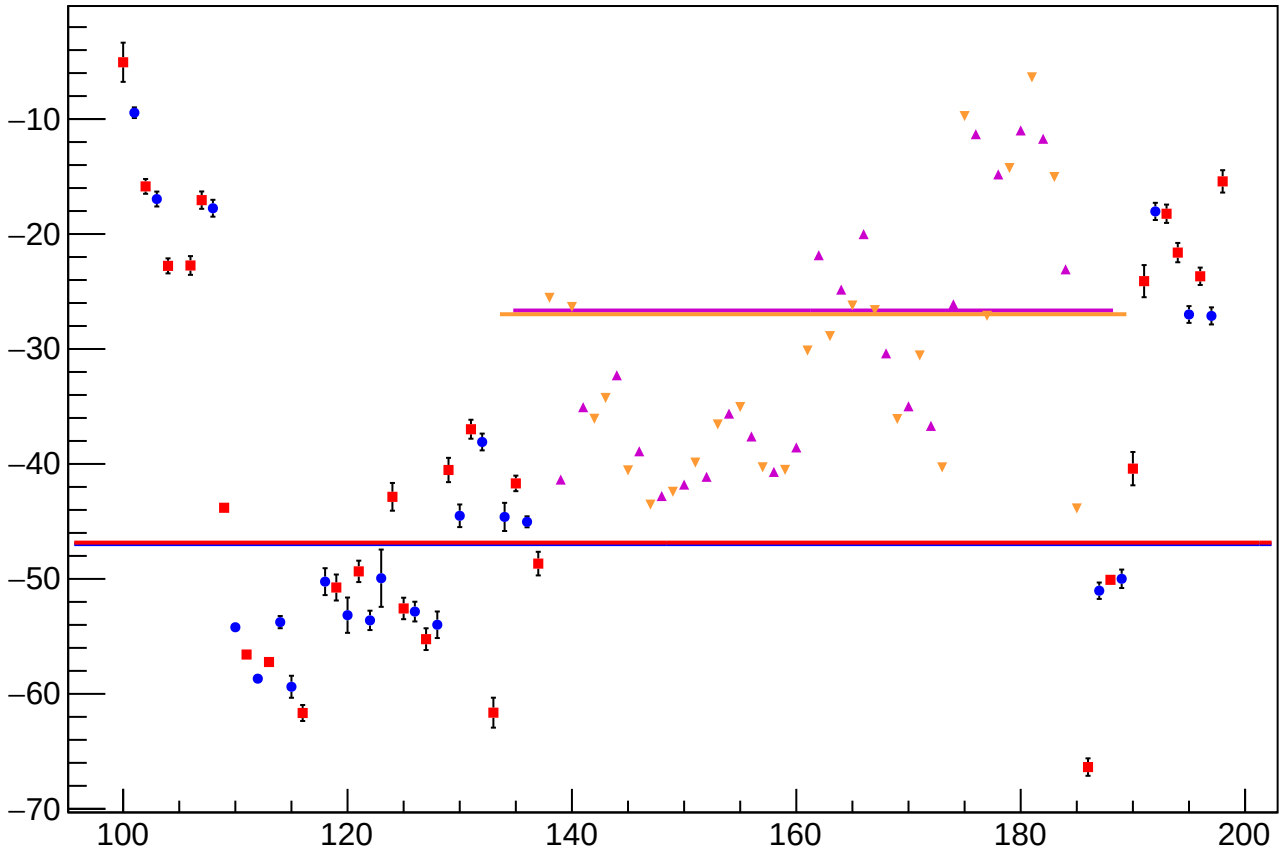
Left: -34.390+/-0.030 χ^2/NDF: 63806.0/47

Right: -40.511+/-0.052 χ^2/NDF: 23537.0/48

In: -35.950+/-0.038 χ^2/NDF:45055.1/44

Out: -35.905+/-0.036 χ^2/NDF:52537.4/51

All: -35.927+/-0.026 χ^2/NDF: 97593.2/96



Right In: -46.973+/-0.117 χ^2/NDF: 17868.8/21

Left Out: -26.978+/-0.053 χ^2/NDF:49361.1/24

Right Out: -46.843+/-0.098 χ^2/NDF: 17072.4/26

Left In: -26.654+/-0.055 χ^2/NDF:42106.8/22

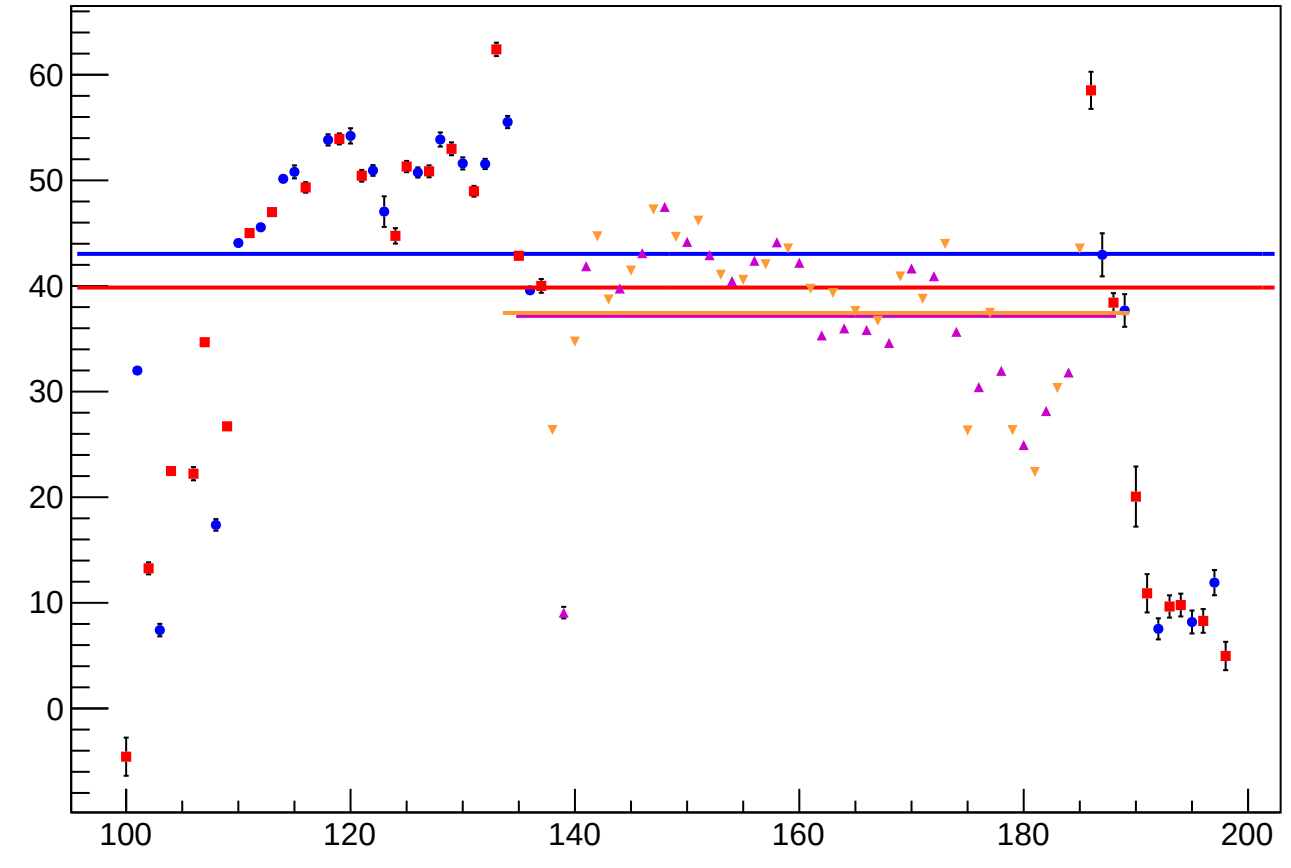
Left: -26.821+/-0.038 χ^2/NDF: 91485.8/47

Right: -46.897+/-0.075 χ^2/NDF: 34941.9/48

In: -30.329+/-0.050 χ^2/NDF:84722.5/44

Out: -31.486+/-0.047 χ^2/NDF:98090.8/51

All: -30.943+/-0.034 χ^2/NDF: 183100.5/96



Right In: 43.040+/-0.086 χ^2/NDF: 13611.0/21

Left Out: 37.447+/-0.047 χ^2/NDF:21570.6/24

Right Out: 39.854+/-0.079 χ^2/NDF: 21126.2/26

Left In: 37.169+/-0.049 χ^2/NDF:17236.9/22

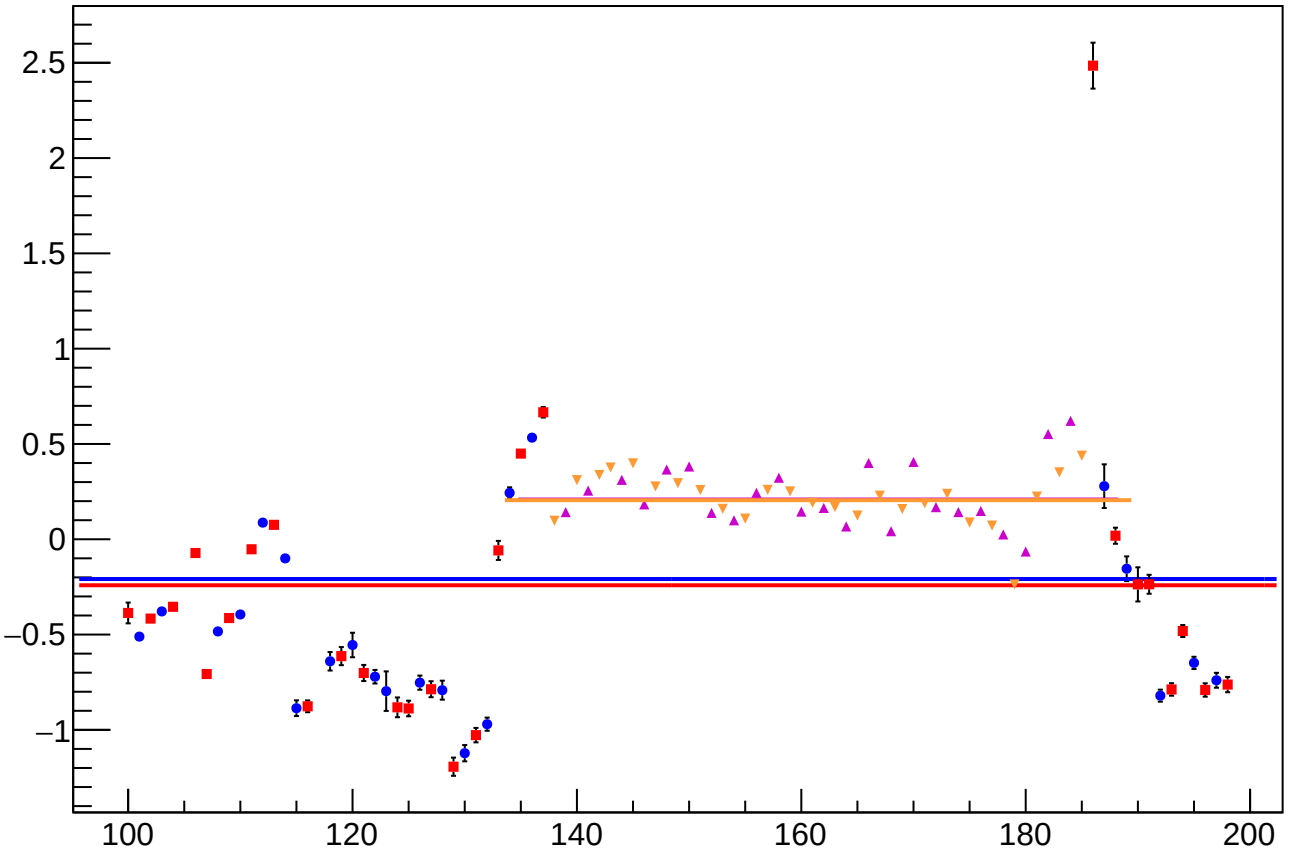
Left: 37.314+/-0.034 χ^2/NDF: 38824.1/47

Right: 41.311+/-0.058 χ^2/NDF: 35482.2/48

In: 38.620+/-0.043 χ^2/NDF:34357.2/44

Out: 38.080+/-0.040 χ^2/NDF:43381.7/51

All: 38.335+/-0.029 χ^2/NDF: 77823.2/96



Right In: -0.209+/-0.005 χ^2/NDF: 8162.5/21

Left Out: 0.205+/-0.002 χ^2/NDF:3826.2/24

Right Out: -0.241+/-0.004 χ^2/NDF: 8742.8/26

Left In: 0.208+/-0.002 χ^2/NDF:5094.6/22

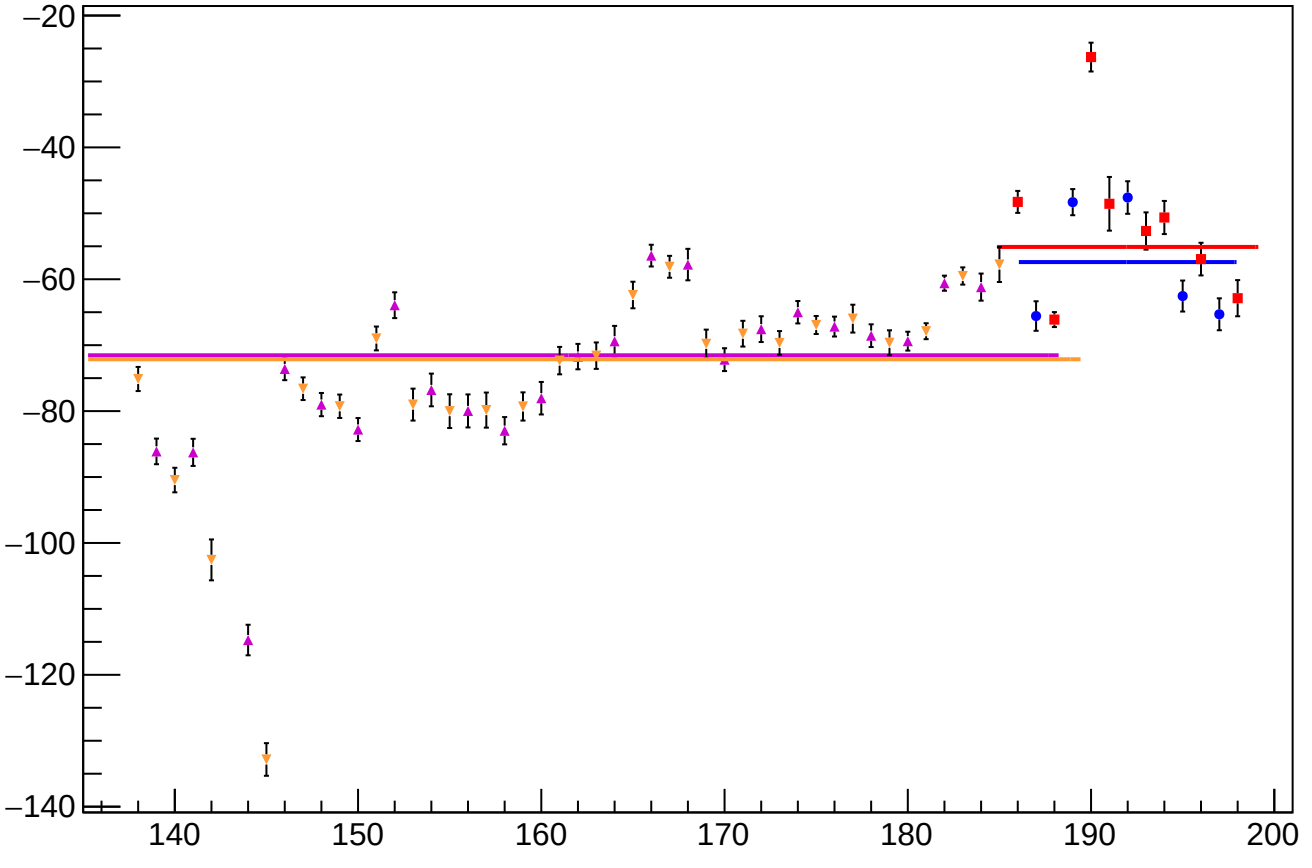
Left: 0.207+/-0.002 χ^2/NDF: 8922.0/47

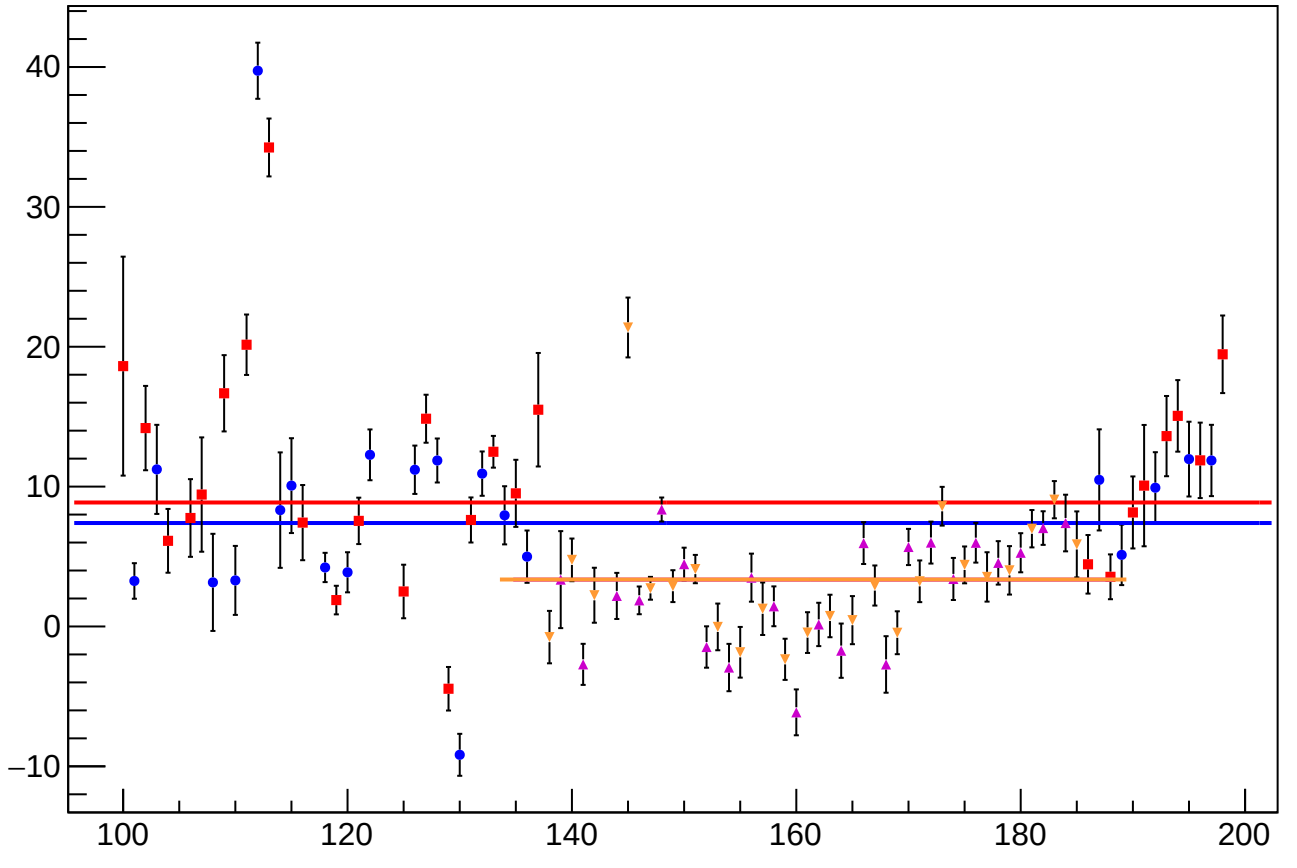
Right: -0.227+/-0.003 χ^2/NDF: 16932.9/48

In: 0.131+/-0.002 χ^2/NDF:19692.5/44

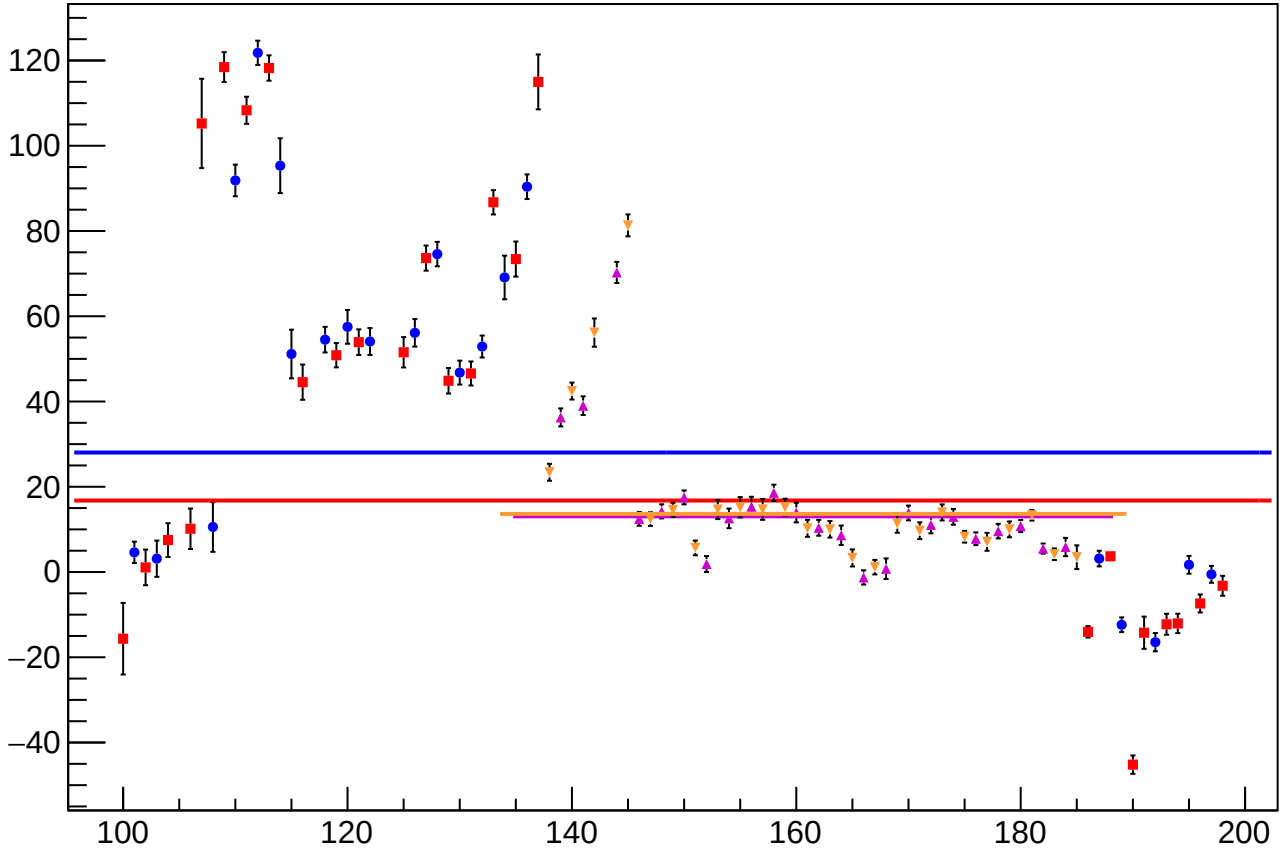
Out: 0.108+/-0.002 χ^2/NDF:21703.6/51

All: 0.119+/-0.001 χ^2/NDF: 41459.7/96


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
140
150
160
170
180
190
200
Right In: -57.395+/-1.016 χ²/NDF: 65.6/4
Left Out: -72.138+/-0.383 χ²/NDF:1121.3/23
Right Out: -55.098+/-0.710 χ²/NDF: 299.7/7
Left In: -71.534+/-0.382 χ²/NDF:851.4/22
Left: -71.835+/-0.270 χ²/NDF: 1974.0/46
Right: -55.851+/-0.582 χ²/NDF: 368.7/12
In: -69.785+/-0.357 χ²/NDF:1086.7/27
Out: -68.297+/-0.337 χ²/NDF:1867.6/31
All: -68.997+/-0.245 χ²/NDF: 2963.6/59


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
100
120
140
160
180
200
Right In: 7.396+/-0.412 χ²/NDF: 449.7/20
Left Out: 3.357+/-0.295 χ²/NDF:167.7/23
Right Out: 8.864+/-0.397 χ²/NDF: 389.7/25
Left In: 3.349+/-0.298 χ²/NDF:163.5/22
Left: 3.353+/-0.210 χ²/NDF: 331.2/46
Right: 8.156+/-0.286 χ²/NDF: 846.0/46
In: 4.742+/-0.242 χ²/NDF:676.6/43
Out: 5.312+/-0.237 χ²/NDF:681.3/49
All: 5.032+/-0.169 χ²/NDF: 1360.7/93

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 28.035+/-0.603 χ^2/NDF: 4363.5/20

Left Out: 13.632+/-0.382 χ^2/NDF:1300.0/23

Right Out: 16.772+/-0.488 χ^2/NDF: 7102.8/25

Left In: 13.058+/-0.380 χ^2/NDF:1024.7/22

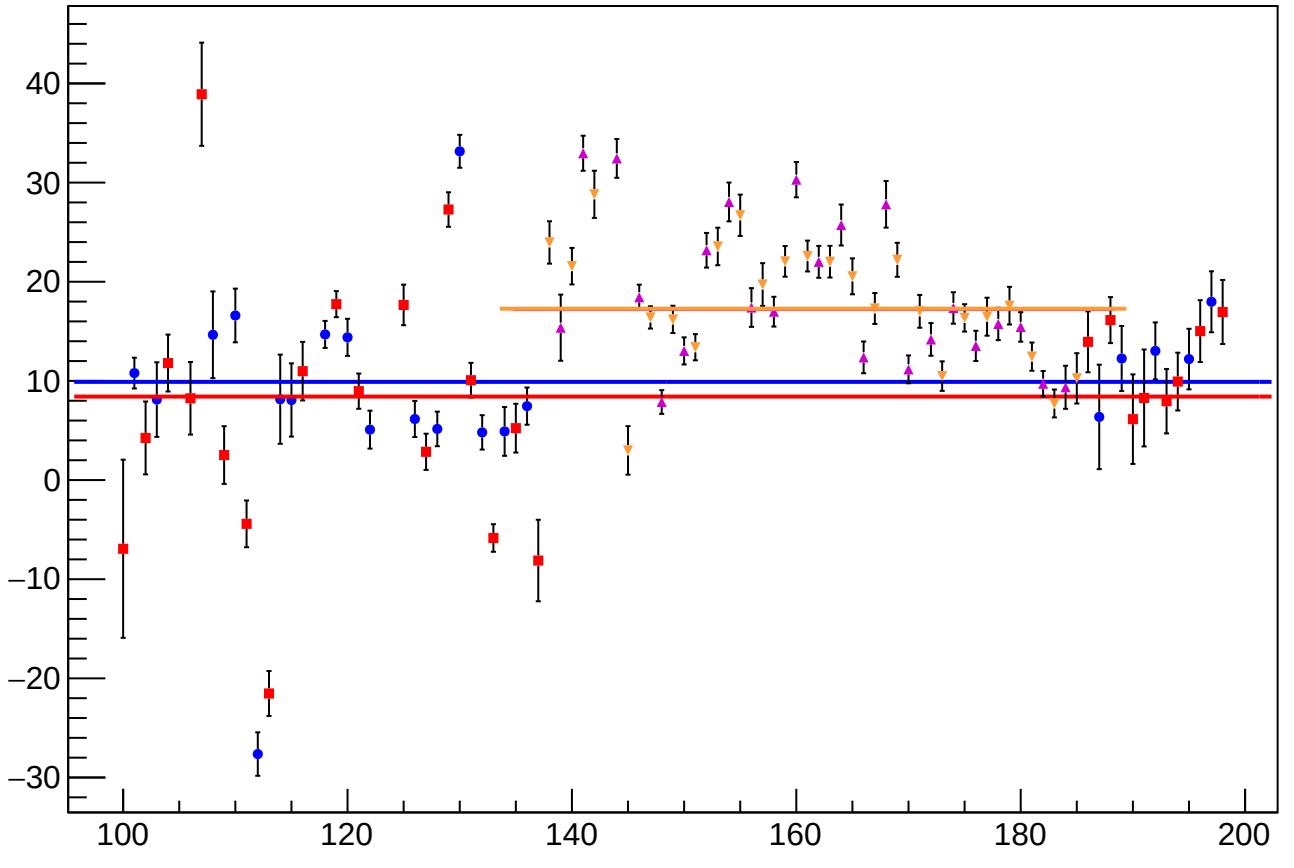
Left: 13.344+/-0.269 χ^2/NDF: 2325.9/46

Right: 21.226+/-0.379 χ^2/NDF: 11677.3/46

In: 17.312+/-0.321 χ^2/NDF:5830.1/43

Out: 14.826+/-0.301 χ^2/NDF:8428.5/49

All: 15.986+/-0.220 χ^2/NDF: 14290.6/93



Right In: 9.904+/-0.480 χ^2/NDF: 557.5/20

Left Out: 17.280+/-0.337 χ^2/NDF:243.9/23

Right Out: 8.419+/-0.469 χ^2/NDF: 596.5/25

Left In: 17.245+/-0.339 χ^2/NDF:440.8/22

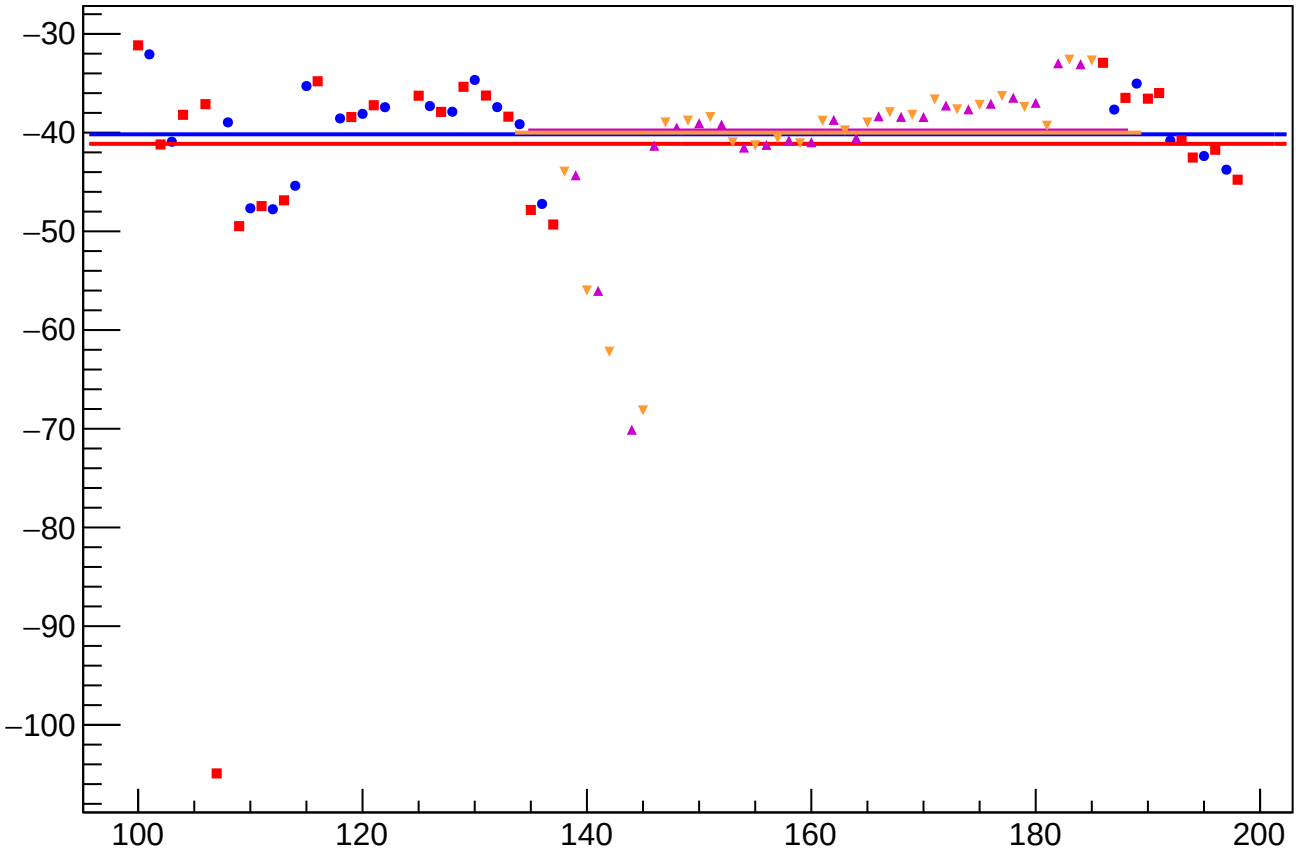
Left: 17.262+/-0.239 χ^2/NDF: 684.6/46

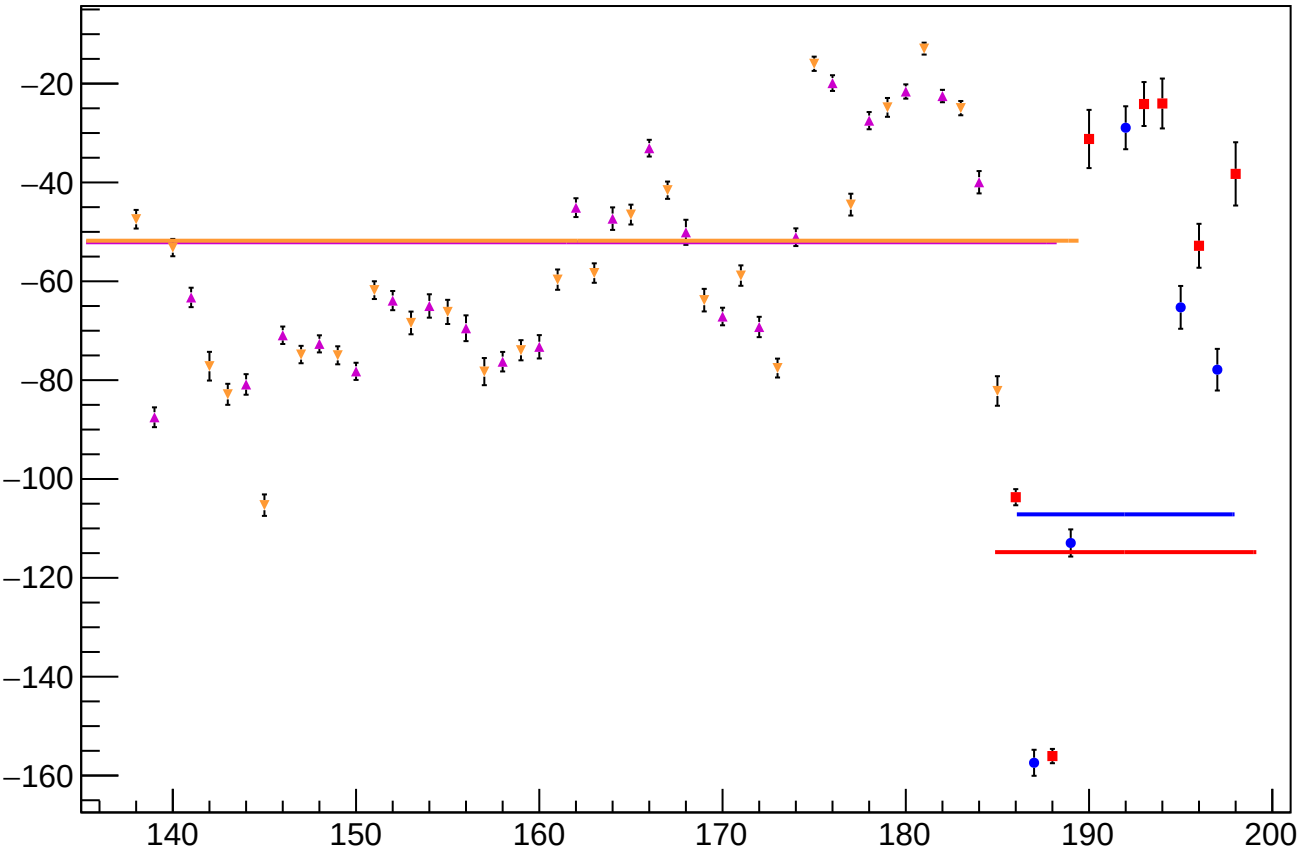
Right: 9.144+/-0.335 χ^2/NDF: 1158.9/46

In: 14.797+/-0.277 χ^2/NDF:1154.3/43

Out: 14.259+/-0.274 χ^2/NDF:1076.0/49

All: 14.525+/-0.195 χ^2/NDF: 2232.1/93


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
120
140
160
180
200
Right In: -40.170+/-0.026 χ²/NDF: 29794.0/20
Left Out: -39.999+/-0.016 χ²/NDF:172263.8/23
Right Out: -41.135+/-0.024 χ²/NDF: 102435.7/25
Left In: -39.785+/-0.016 χ²/NDF:144494.5/22
Left: -39.891+/-0.011 χ²/NDF: 316851.8/46
Right: -40.692+/-0.018 χ²/NDF: 132955.1/46
In: -39.885+/-0.013 χ²/NDF:174446.4/43
Out: -40.336+/-0.013 χ²/NDF:276240.5/49
All: -40.115+/-0.009 χ²/NDF: 451258.4/93



Right In: -107.155+/-1.509 χ^2/NDF: 835.1/4

Left Out: -51.787+/-0.383 χ^2/NDF:4164.8/24

Right Out: -114.797+/-0.977 χ^2/NDF: 2139.5/6

Left In: -52.104+/-0.389 χ^2/NDF:3280.2/22

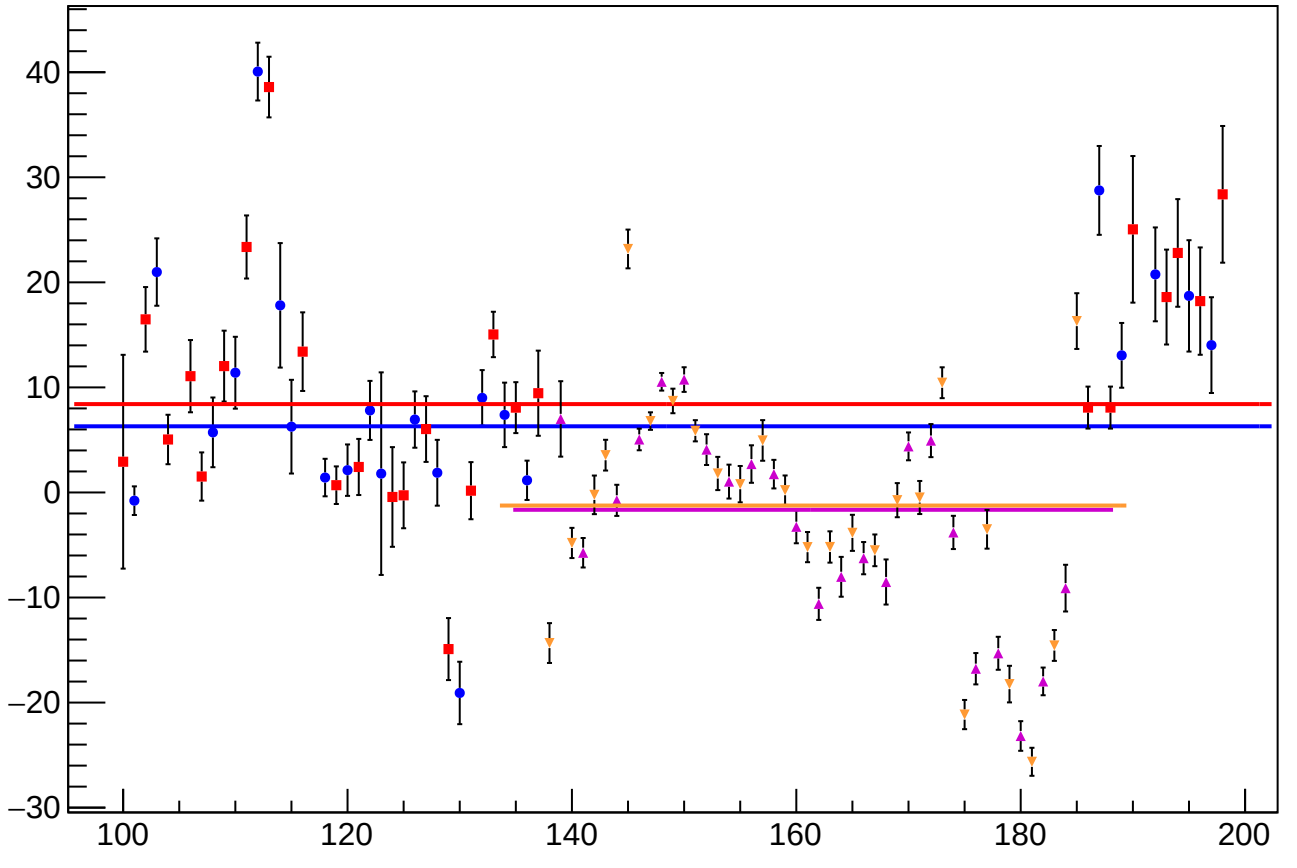
Left: -51.943+/-0.273 χ^2/NDF: 7445.3/47

Right: -112.540+/-0.820 χ^2/NDF: 2992.7/11

In: -55.530+/-0.376 χ^2/NDF:5363.7/27

Out: -60.168+/-0.356 χ^2/NDF:9911.4/31

All: -57.976+/-0.259 χ^2/NDF: 15355.2/59



Right In: 6.297+/-0.595 χ^2/NDF: 351.0/21

Left Out: -1.245+/-0.292 χ^2/NDF:1322.6/24

Right Out: 8.411+/-0.575 χ^2/NDF: 304.2/25

Left In: -1.650+/-0.300 χ^2/NDF:1092.2/22

Left: -1.442+/-0.209 χ^2/NDF: 2415.8/47

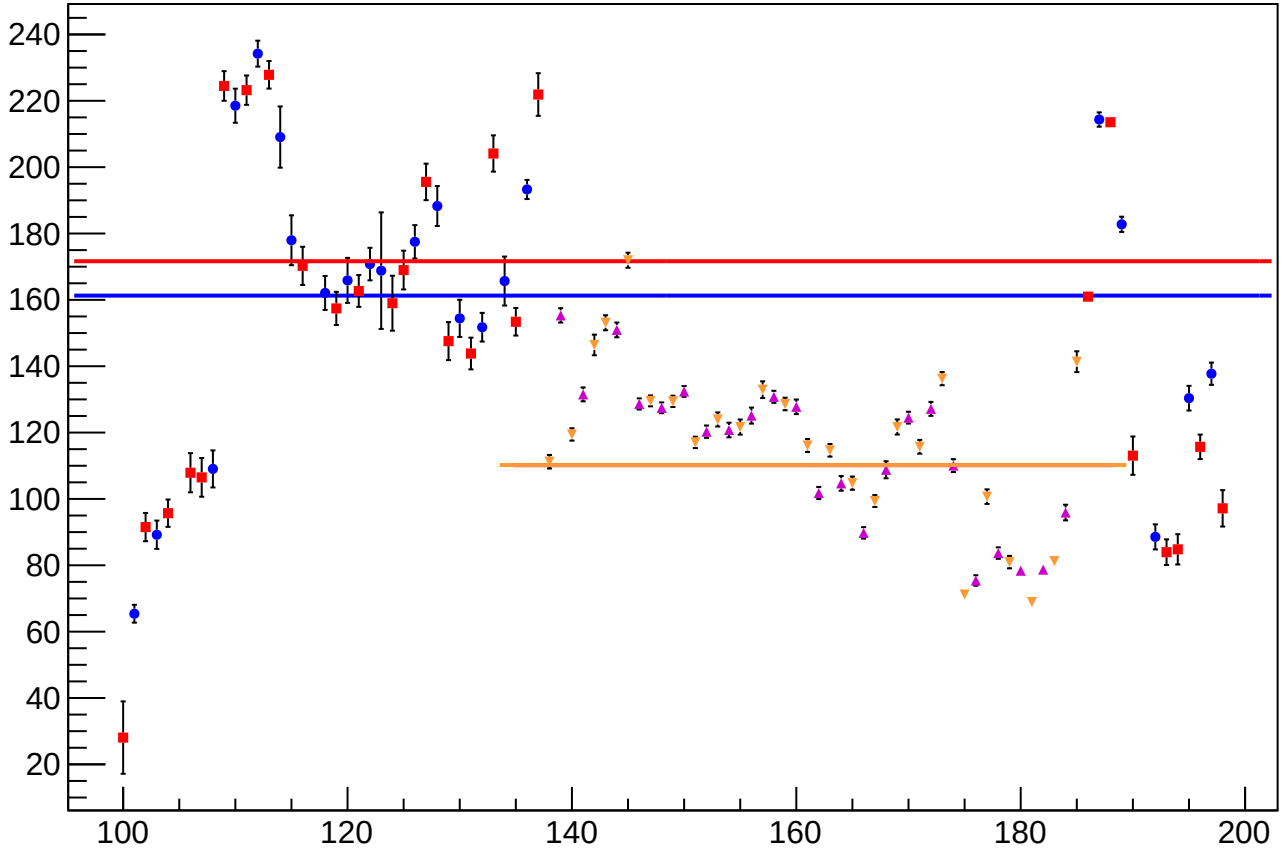
Right: 7.390+/-0.413 χ^2/NDF: 661.7/47

In: -0.038+/-0.268 χ^2/NDF:1585.5/44

Out: 0.733+/-0.260 χ^2/NDF:1851.2/50

All: 0.359+/-0.187 χ^2/NDF: 3441.0/95

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 161.282+/-0.849 χ^2/NDF: 3493.9/21

Left Out: 110.213+/-0.382 χ^2/NDF:4593.7/24

Right Out: 171.644+/-0.659 χ^2/NDF: 4529.0/25

Left In: 110.171+/-0.386 χ^2/NDF:3702.6/22

Left: 110.192+/-0.272 χ^2/NDF: 8296.2/47

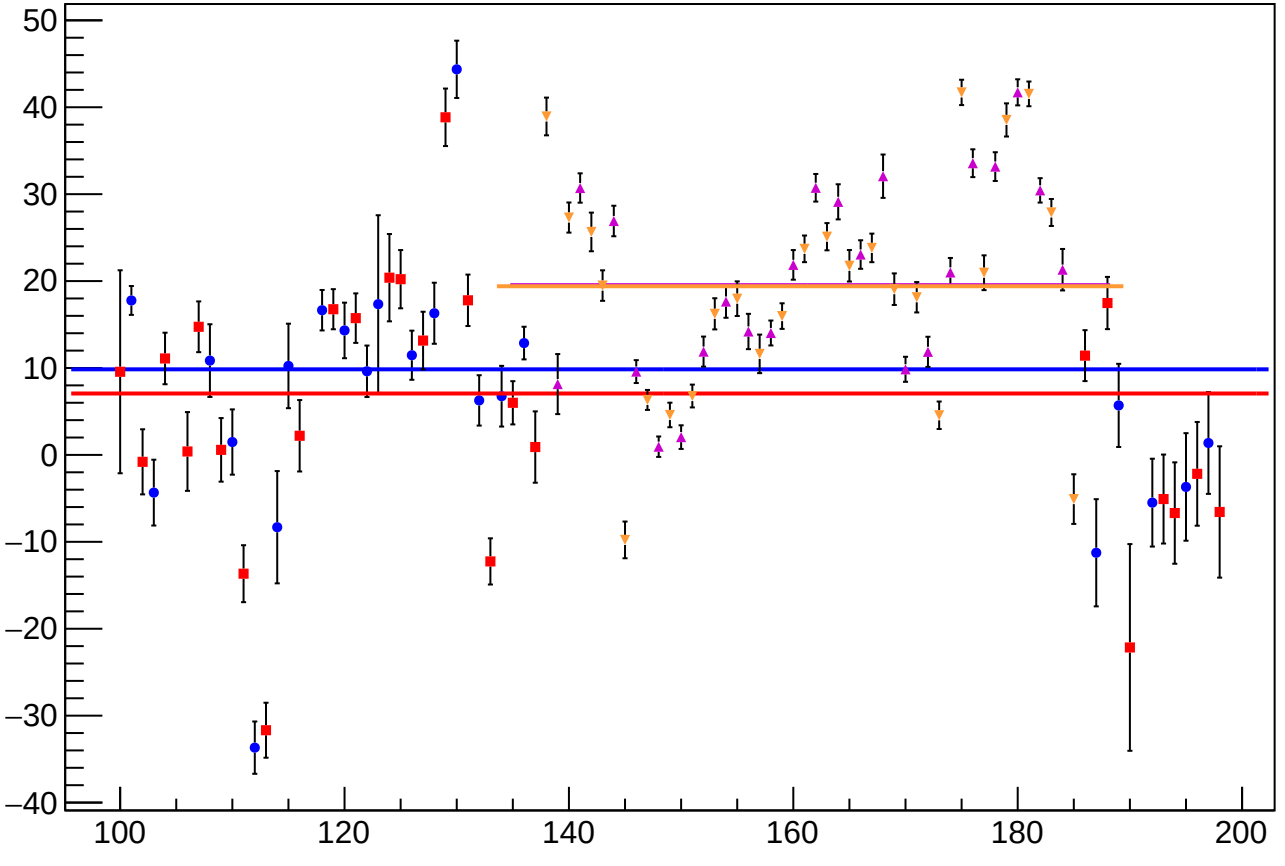
Right: 167.744+/-0.521 χ^2/NDF: 8115.9/47

In: 118.932+/-0.351 χ^2/NDF:10202.2/44

Out: 125.657+/-0.331 χ^2/NDF:15623.2/50

All: 122.500+/-0.241 χ^2/NDF: 26019.8/95

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.846+/-0.692 χ^2/NDF: 416.8/21

Left Out: 19.405+/-0.335 χ^2/NDF:1453.4/24

Right Out: 7.065+/-0.685 χ^2/NDF: 460.4/25

Left In: 19.530+/-0.342 χ^2/NDF:1181.3/22

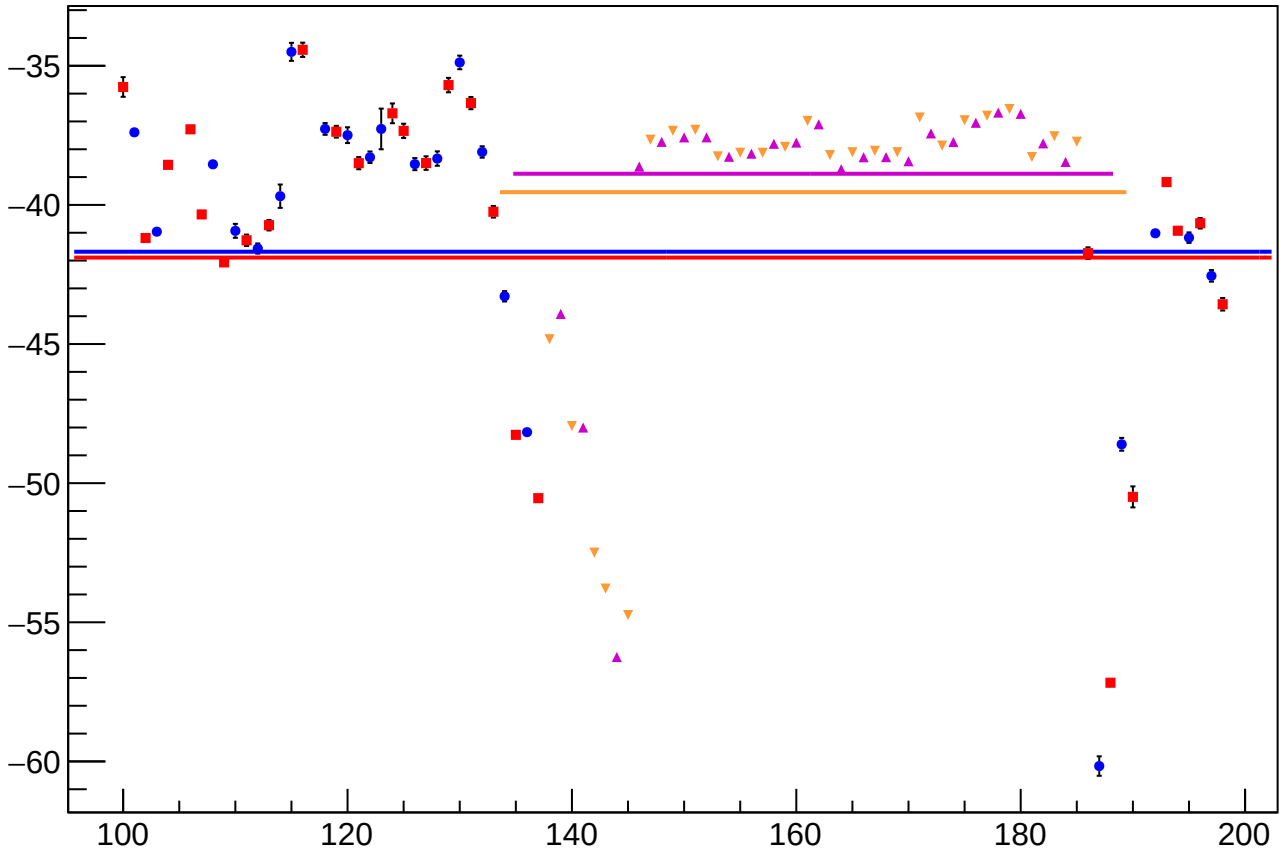
Left: 19.466+/-0.239 χ^2/NDF: 2634.8/47

Right: 8.442+/-0.487 χ^2/NDF: 885.4/47

In: 17.624+/-0.307 χ^2/NDF:1755.5/44

Out: 17.027+/-0.301 χ^2/NDF:2175.8/50

All: 17.319+/-0.215 χ^2/NDF: 3933.3/95



Right In: -41.682+/-0.036 χ^2/NDF: 16334.0/21

Left Out: -39.542+/-0.016 χ^2/NDF:92024.1/24

Right Out: -41.892+/-0.034 χ^2/NDF: 22615.1/25

Left In: -38.880+/-0.016 χ^2/NDF:53409.9/22

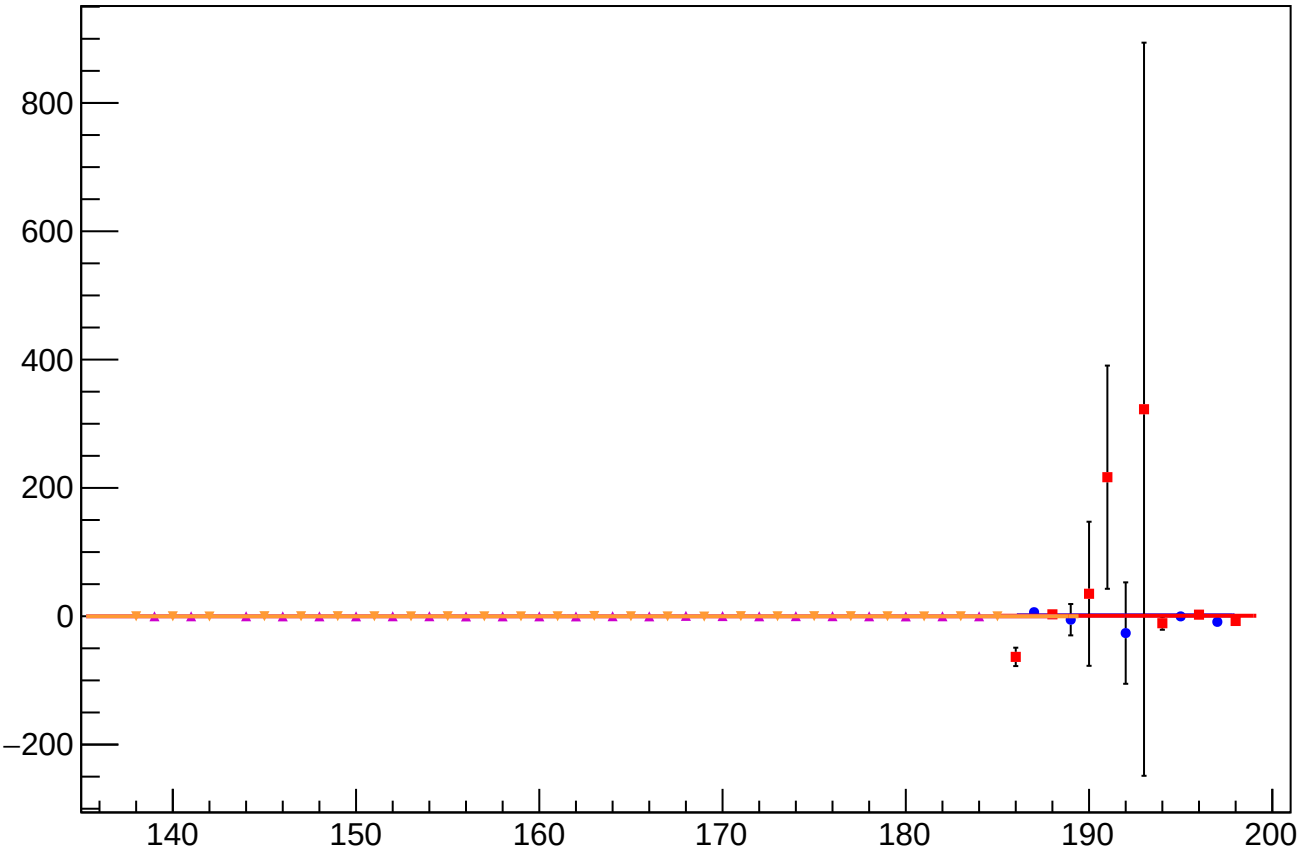
Left: -39.214+/-0.011 χ^2/NDF: 146312.0/47

Right: -41.792+/-0.025 χ^2/NDF: 38967.2/47

In: -39.343+/-0.014 χ^2/NDF:74901.4/44

Out: -39.954+/-0.014 χ^2/NDF:118552.2/50

All: -39.653+/-0.010 χ^2/NDF: 194354.5/95



Right In: 1.398+/-2.238 χ^2/NDF: 7.6/4

Left Out: -0.089+/-0.022 χ^2/NDF:39.7/23

Right Out: 0.769+/-1.716 χ^2/NDF: 26.5/7

Left In: -0.026+/-0.022 χ^2/NDF:33.3/22

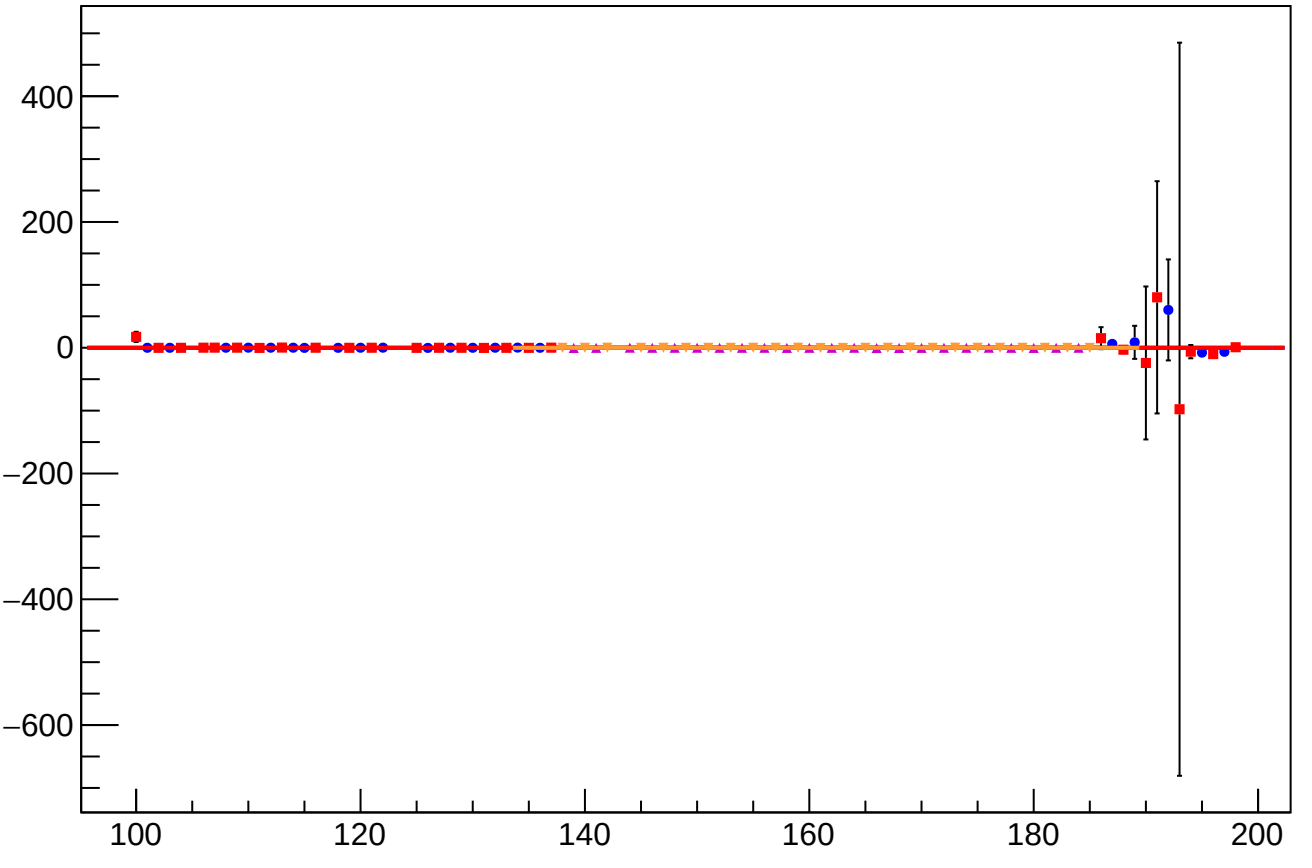
Left: -0.057+/-0.016 χ^2/NDF: 77.1/46

Right: 1.001+/-1.362 χ^2/NDF: 34.2/12

In: -0.025+/-0.022 χ^2/NDF:41.3/27

Out: -0.088+/-0.022 χ^2/NDF:66.4/31

All: -0.057+/-0.016 χ^2/NDF: 111.8/59



Right In: -0.002+/-0.029 χ^2/NDF: 18.3/20

Left Out: -0.081+/-0.017 χ^2/NDF:25.8/23

Right Out: -0.051+/-0.029 χ^2/NDF: 30.8/25

Left In: -0.052+/-0.018 χ^2/NDF:31.7/22

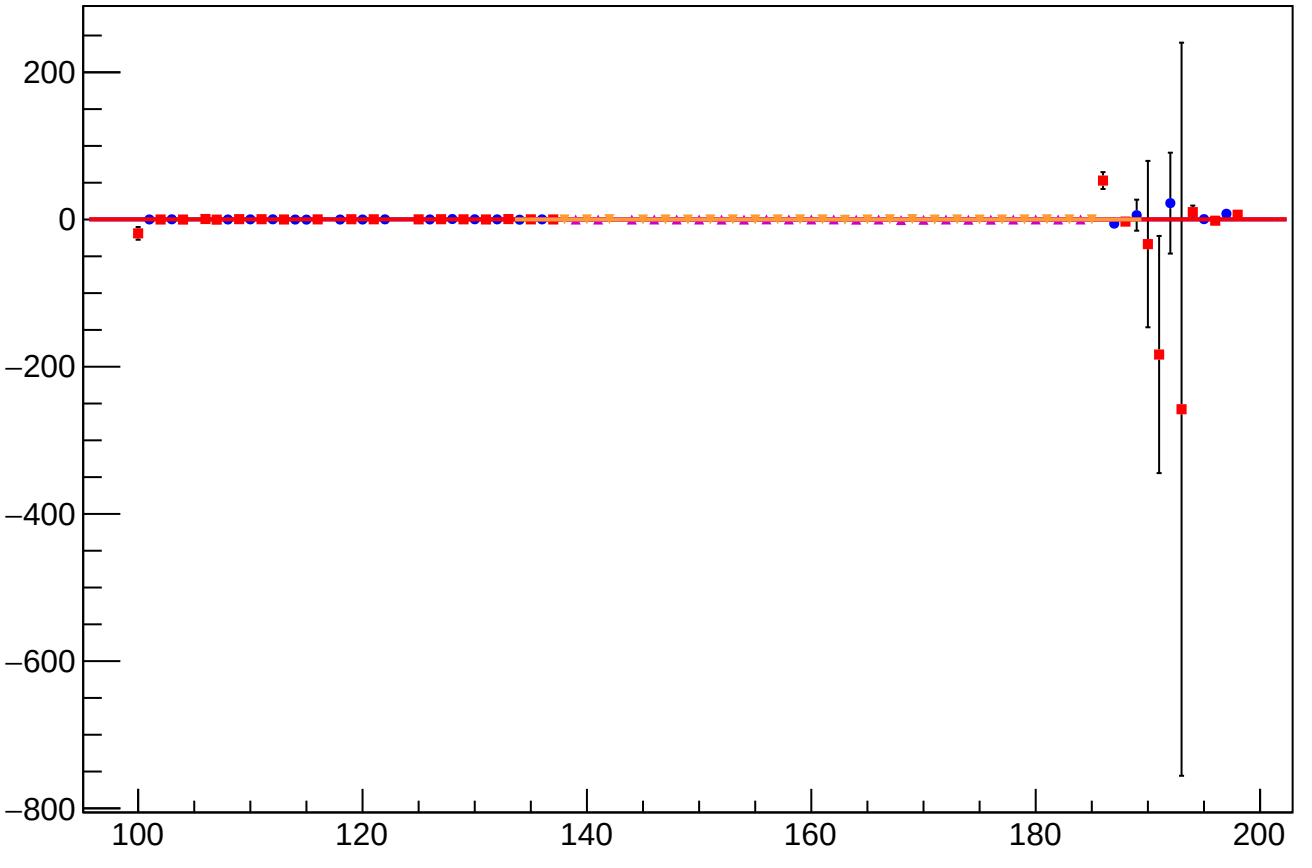
Left: -0.067+/-0.012 χ^2/NDF: 58.9/46

Right: -0.026+/-0.020 χ^2/NDF: 50.6/46

In: -0.038+/-0.015 χ^2/NDF:52.3/43

Out: -0.073+/-0.015 χ^2/NDF:57.4/49

All: -0.056+/-0.011 χ^2/NDF: 112.4/93



Right In: 0.173+/-0.053 χ^2/NDF: 22.1/20

Left Out: 0.081+/-0.022 χ^2/NDF:38.4/23

Right Out: 0.234+/-0.054 χ^2/NDF: 50.9/25

Left In: 0.020+/-0.022 χ^2/NDF:35.6/22

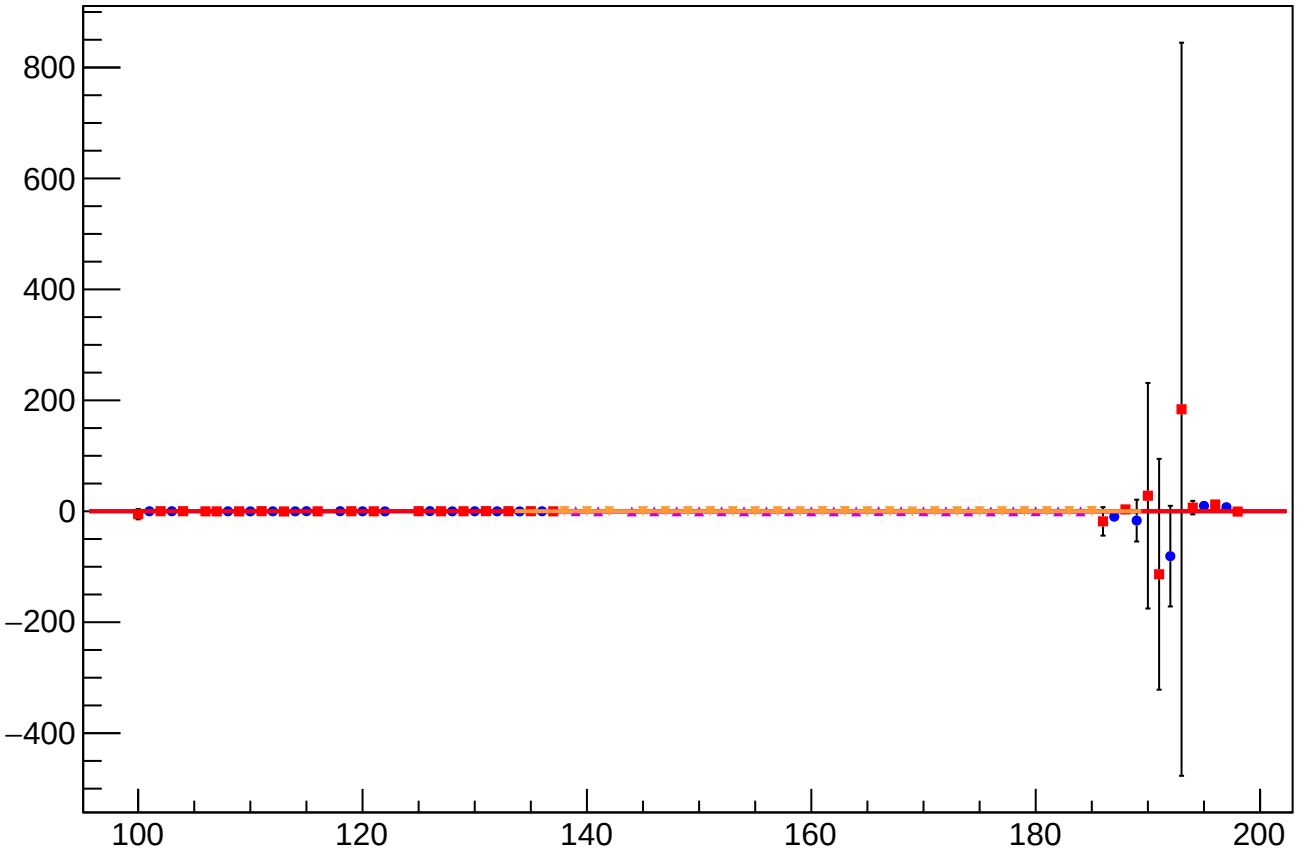
Left: 0.051+/-0.016 χ^2/NDF: 77.8/46

Right: 0.203+/-0.038 χ^2/NDF: 73.6/46

In: 0.043+/-0.020 χ^2/NDF:64.8/43

Out: 0.103+/-0.020 χ^2/NDF:96.2/49

All: 0.073+/-0.014 χ^2/NDF: 165.3/93



Right In: -0.006+/-0.033 χ^2/NDF: 20.3/20

Left Out: 0.105+/-0.020 χ^2/NDF:29.5/23

Right Out: 0.057+/-0.034 χ^2/NDF: 25.2/25

Left In: 0.069+/-0.020 χ^2/NDF:31.3/22

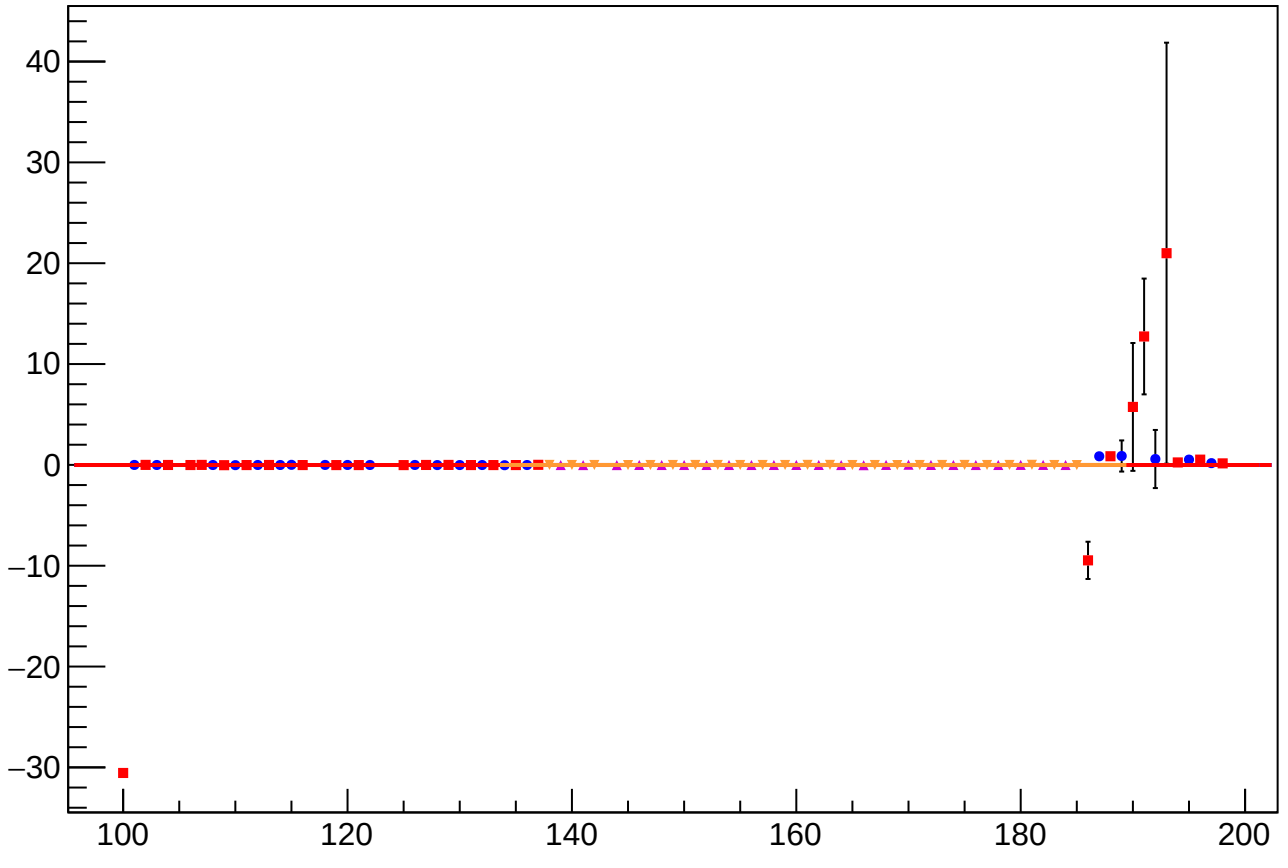
Left: 0.088+/-0.014 χ^2/NDF: 62.5/46

Right: 0.025+/-0.024 χ^2/NDF: 47.3/46

In: 0.049+/-0.017 χ^2/NDF:55.5/43

Out: 0.093+/-0.017 χ^2/NDF:56.1/49

All: 0.071+/-0.012 χ^2/NDF: 115.1/93



Right In: -0.012+/-0.002 χ^2/NDF: 25.6/20

Left Out: -0.008+/-0.001 χ^2/NDF:30.1/23

Right Out: -0.012+/-0.002 χ^2/NDF: 11943.9/25

Left In: -0.009+/-0.001 χ^2/NDF:40.8/22

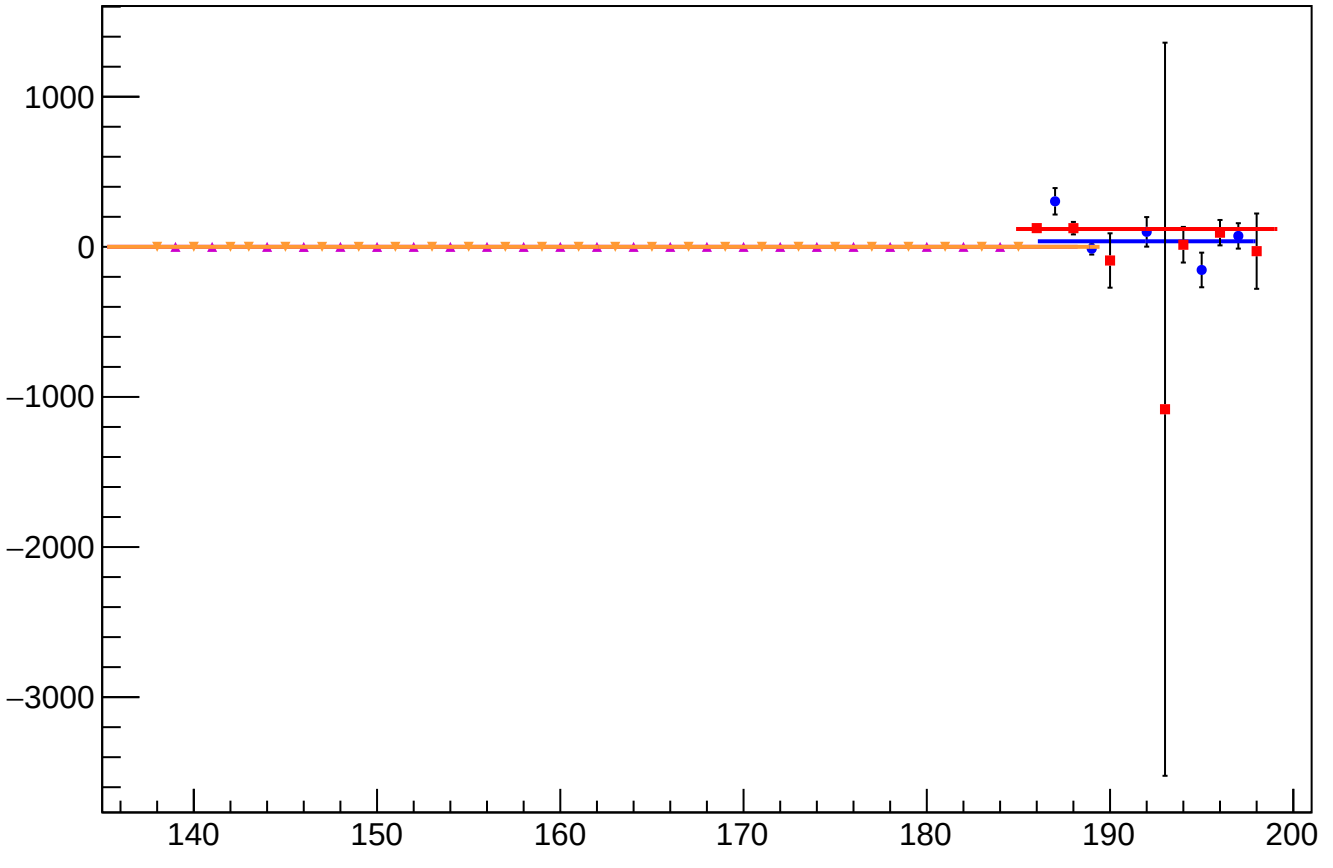
Left: -0.008+/-0.001 χ^2/NDF: 71.4/46

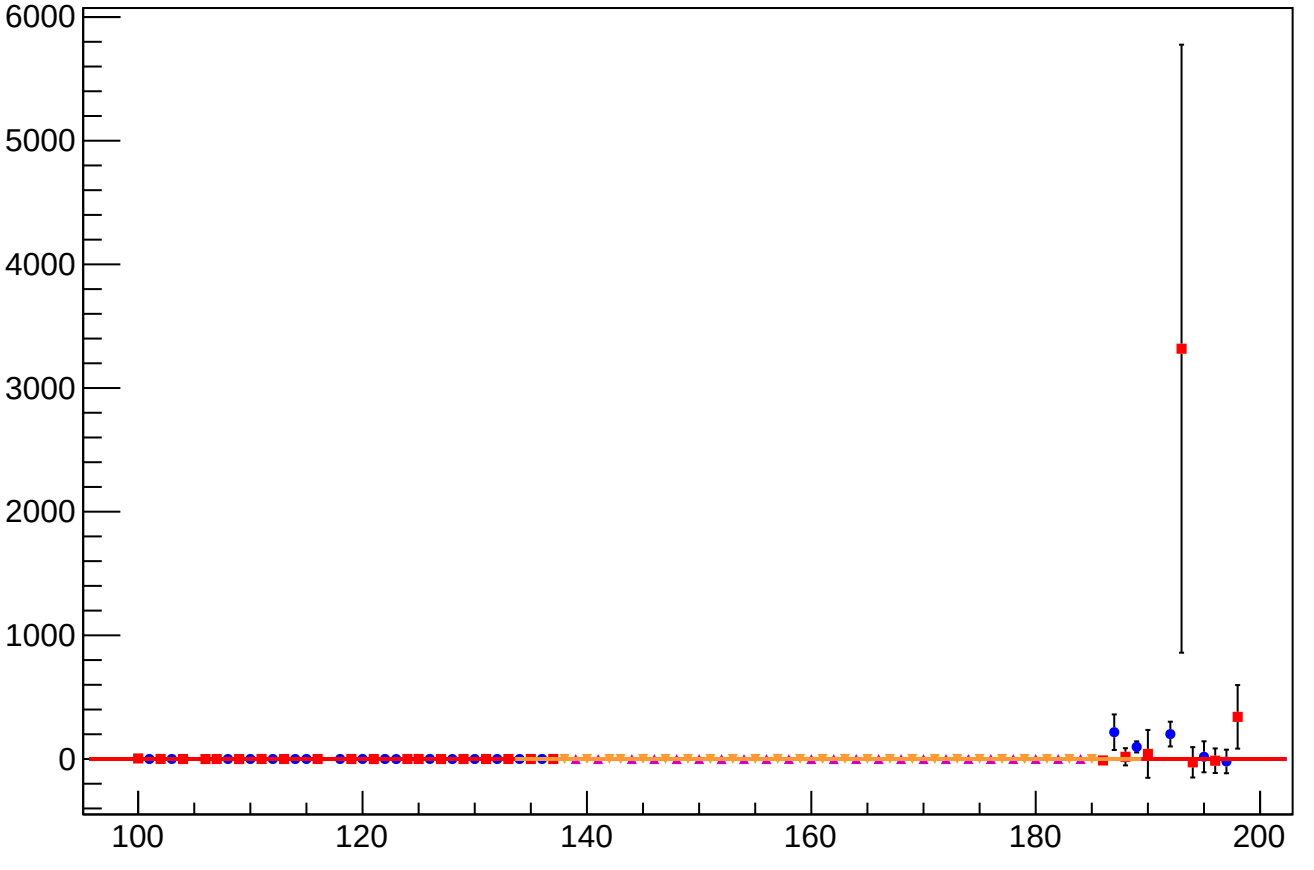
Right: -0.012+/-0.001 χ^2/NDF: 11969.4/46

In: -0.009+/-0.001 χ^2/NDF:68.7/43

Out: -0.009+/-0.001 χ^2/NDF:11977.9/49

All: -0.009+/-0.001 χ^2/NDF: 12046.9/93


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
1000
0
−1000
−2000
−3000
140
150
160
170
180
190
200
Right In: 36.973+/-30.312 χ²/NDF: 14.0/4
Left Out: 0.017+/-0.027 χ²/NDF:30.9/24
Right Out: 118.829+/-16.536 χ²/NDF: 2.9/6
Left In: 0.002+/-0.028 χ²/NDF:29.0/22
Left: 0.010+/-0.019 χ²/NDF: 60.1/47
Right: 100.057+/-14.516 χ²/NDF: 22.5/11
In: 0.002+/-0.028 χ²/NDF:44.5/27
Out: 0.018+/-0.027 χ²/NDF:85.5/31
All: 0.010+/-0.019 χ²/NDF: 130.1/59



Right In: -0.022+/-0.037 χ^2/NDF: 34.1/21

Left Out: -0.060+/-0.021 χ^2/NDF:24.6/24

Right Out: -0.120+/-0.039 χ^2/NDF: 22.5/25

Left In: -0.071+/-0.022 χ^2/NDF:49.0/22

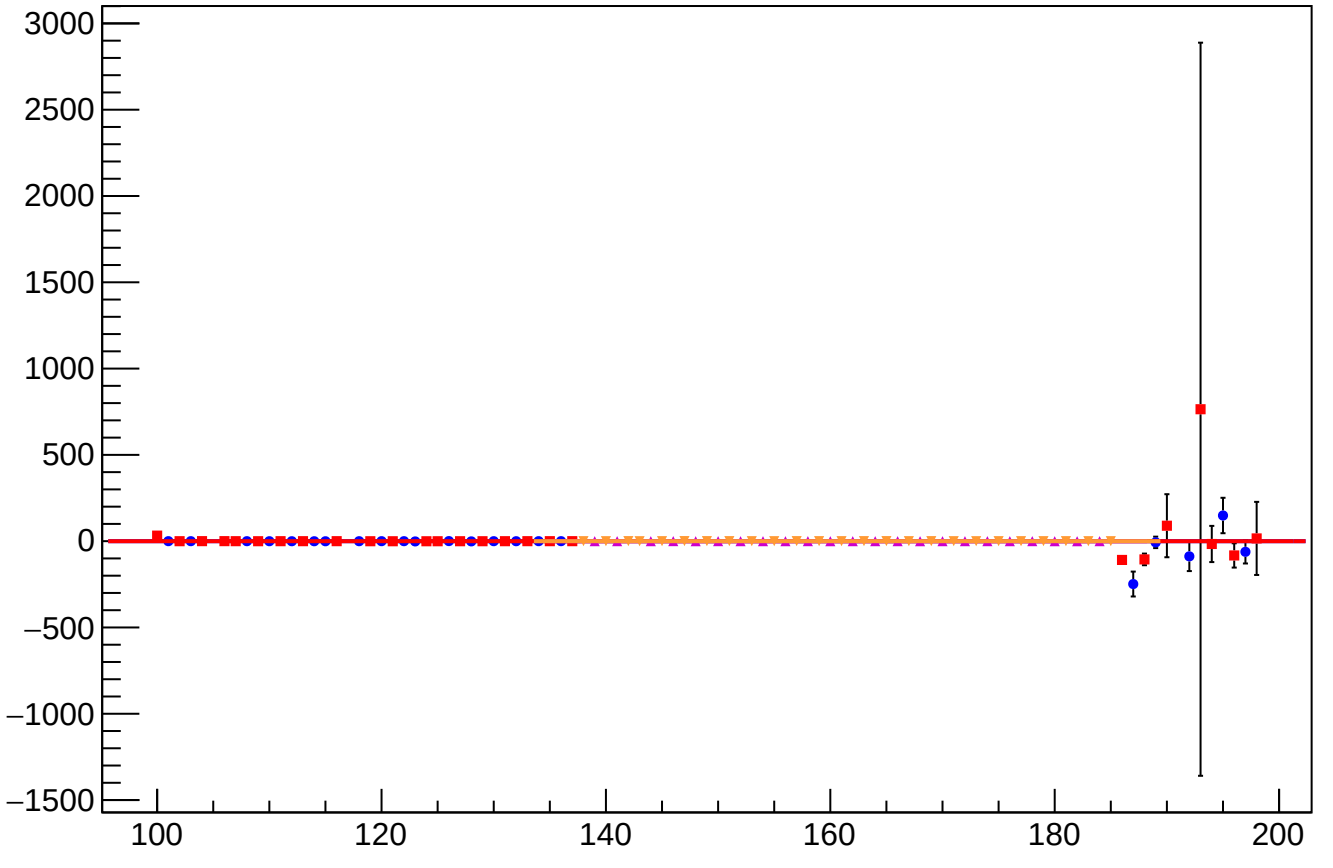
Left: -0.065+/-0.015 χ^2/NDF: 73.7/47

Right: -0.068+/-0.027 χ^2/NDF: 59.9/47

In: -0.058+/-0.019 χ^2/NDF:84.4/44

Out: -0.073+/-0.019 χ^2/NDF:49.0/50

All: -0.066+/-0.013 χ^2/NDF: 133.7/95



Right In: -0.135+/-0.067 χ^2/NDF: 40.6/21

Left Out: -0.018+/-0.027 χ^2/NDF:29.0/24

Right Out: -0.167+/-0.071 χ^2/NDF: 77.6/25

Left In: -0.033+/-0.027 χ^2/NDF:28.5/22

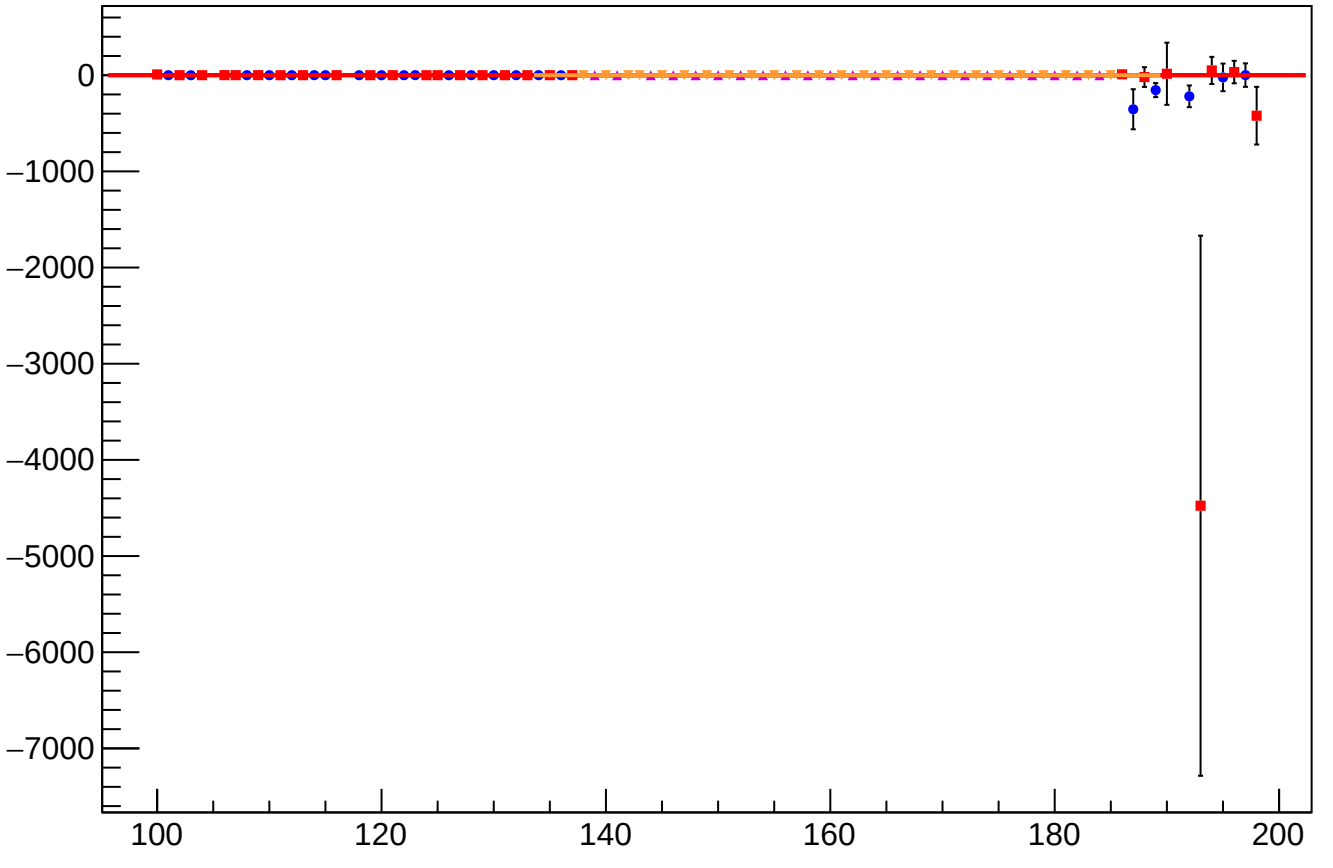
Left: -0.025+/-0.019 χ^2/NDF: 57.6/47

Right: -0.150+/-0.049 χ^2/NDF: 118.4/47

In: -0.047+/-0.025 χ^2/NDF:71.1/44

Out: -0.037+/-0.025 χ^2/NDF:110.5/50

All: -0.042+/-0.018 χ^2/NDF: 181.6/95



Right In: 0.018+/-0.043 χ^2/NDF: 32.8/21

Left Out: 0.063+/-0.024 χ^2/NDF:24.6/24

Right Out: 0.144+/-0.045 χ^2/NDF: 21.6/25

Left In: 0.069+/-0.025 χ^2/NDF:51.8/22

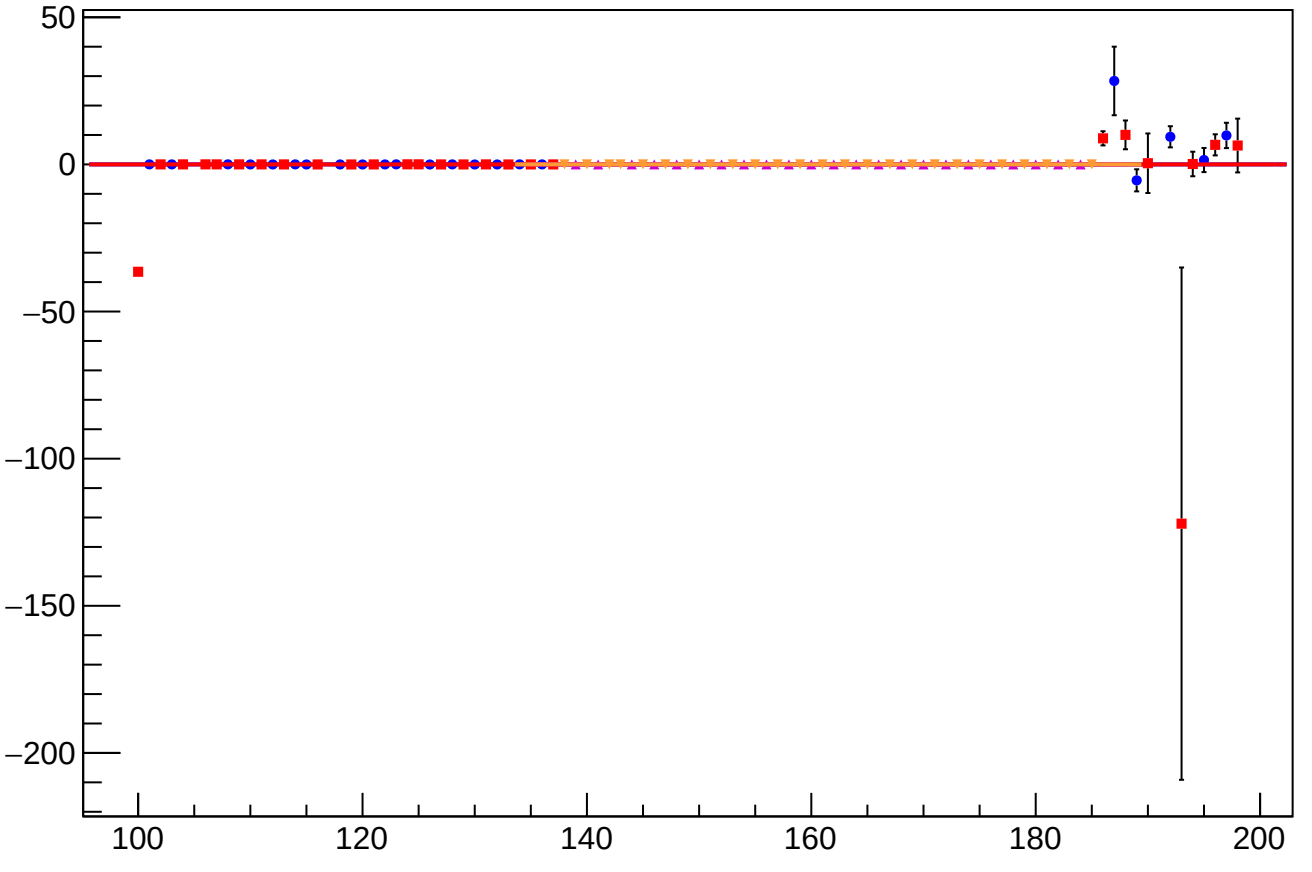
Left: 0.066+/-0.017 χ^2/NDF: 76.5/47

Right: 0.077+/-0.031 χ^2/NDF: 58.5/47

In: 0.056+/-0.021 χ^2/NDF:85.6/44

Out: 0.081+/-0.021 χ^2/NDF:48.8/50

All: 0.069+/-0.015 χ^2/NDF: 135.1/95



Right In: 0.001+/-0.002 χ^2/NDF: 50.7/21

Left Out: 0.008+/-0.001 χ^2/NDF:26.3/24

Right Out: 0.001+/-0.002 χ^2/NDF: 10472.8/25

Left In: 0.009+/-0.001 χ^2/NDF:15.0/22

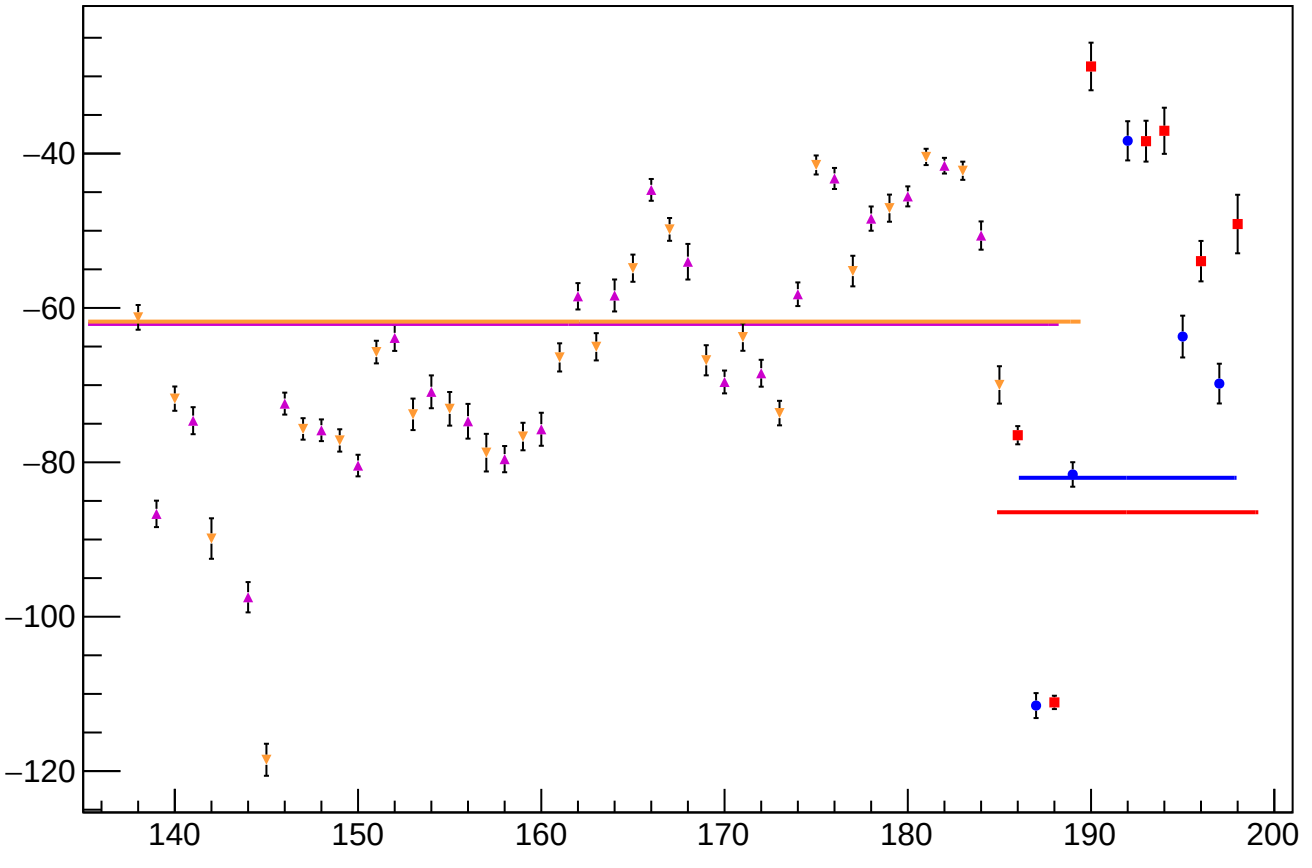
Left: 0.009+/-0.001 χ^2/NDF: 41.4/47

Right: 0.001+/-0.002 χ^2/NDF: 10523.5/47

In: 0.007+/-0.001 χ^2/NDF:75.1/44

Out: 0.007+/-0.001 χ^2/NDF:10508.1/50

All: 0.007+/-0.001 χ^2/NDF: 10583.3/95



Right In: -82.004+/-0.905 χ^2/NDF: 696.6/4

Left Out: -61.771+/-0.334 χ^2/NDF:2504.9/23

Right Out: -86.468+/-0.616 χ^2/NDF: 2090.0/6

Left In: -62.073+/-0.332 χ^2/NDF:2192.0/22

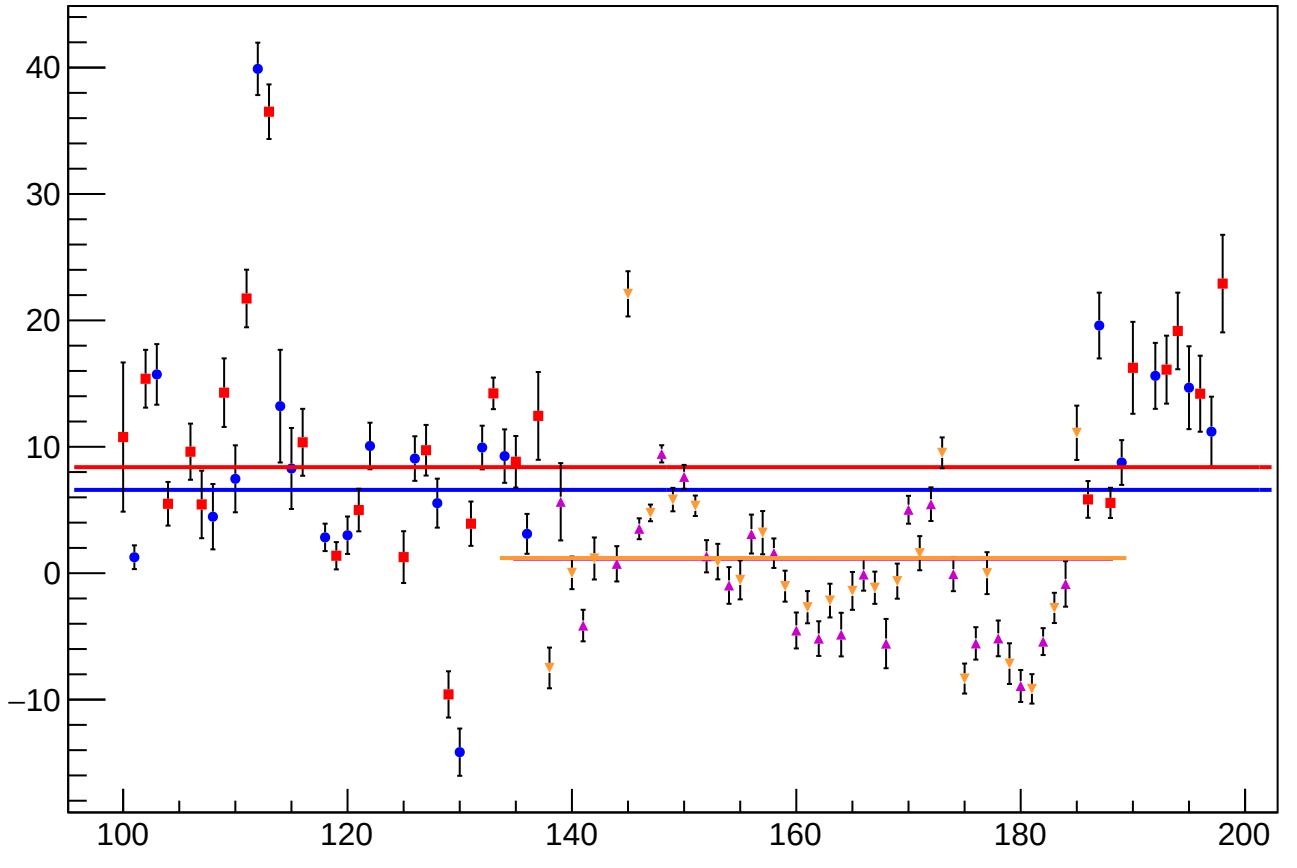
Left: -61.923+/-0.236 χ^2/NDF: 4697.3/46

Right: -85.054+/-0.509 χ^2/NDF: 2803.2/11

In: -64.442+/-0.312 χ^2/NDF:3316.1/27

Out: -67.378+/-0.294 χ^2/NDF:5837.1/30

All: -65.999+/-0.214 χ^2/NDF: 9200.2/58



Right In: 6.591+/-0.400 χ^2/NDF: 512.4/20

Left Out: 1.198+/-0.253 χ^2/NDF:526.3/23

Right Out: 8.389+/-0.391 χ^2/NDF: 460.1/24

Left In: 1.146+/-0.255 χ^2/NDF:462.9/22

Left: 1.172+/-0.180 χ^2/NDF: 989.3/46

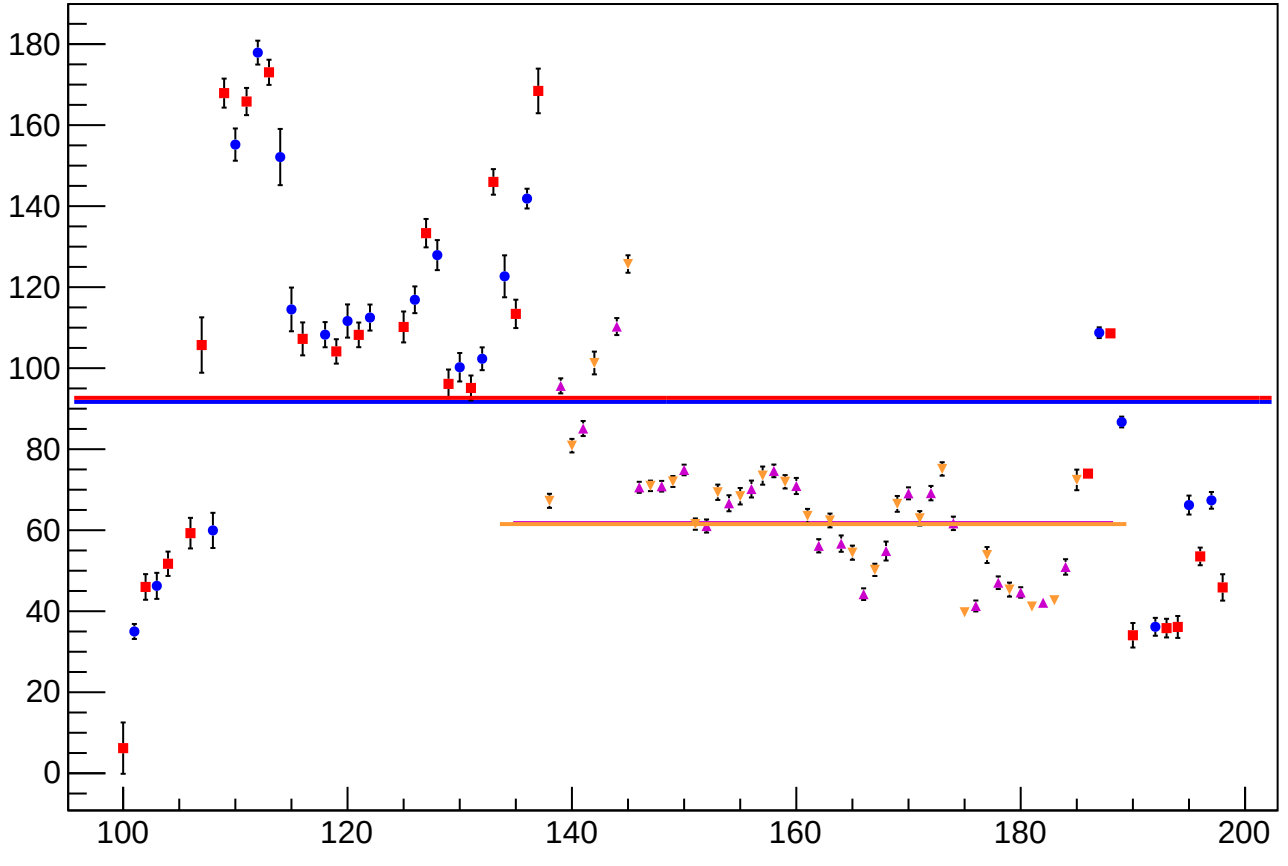
Right: 7.511+/-0.280 χ^2/NDF: 982.8/45

In: 2.722+/-0.215 χ^2/NDF:1107.0/43

Out: 3.315+/-0.212 χ^2/NDF:1225.1/48

All: 3.023+/-0.151 χ^2/NDF: 2336.0/92

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 91.677+/-0.554 χ^2/NDF: 4188.0/20

Left Out: 61.512+/-0.332 χ^2/NDF:2606.0/23

Right Out: 92.678+/-0.432 χ^2/NDF: 5846.6/24

Left In: 61.762+/-0.330 χ^2/NDF:2418.2/22

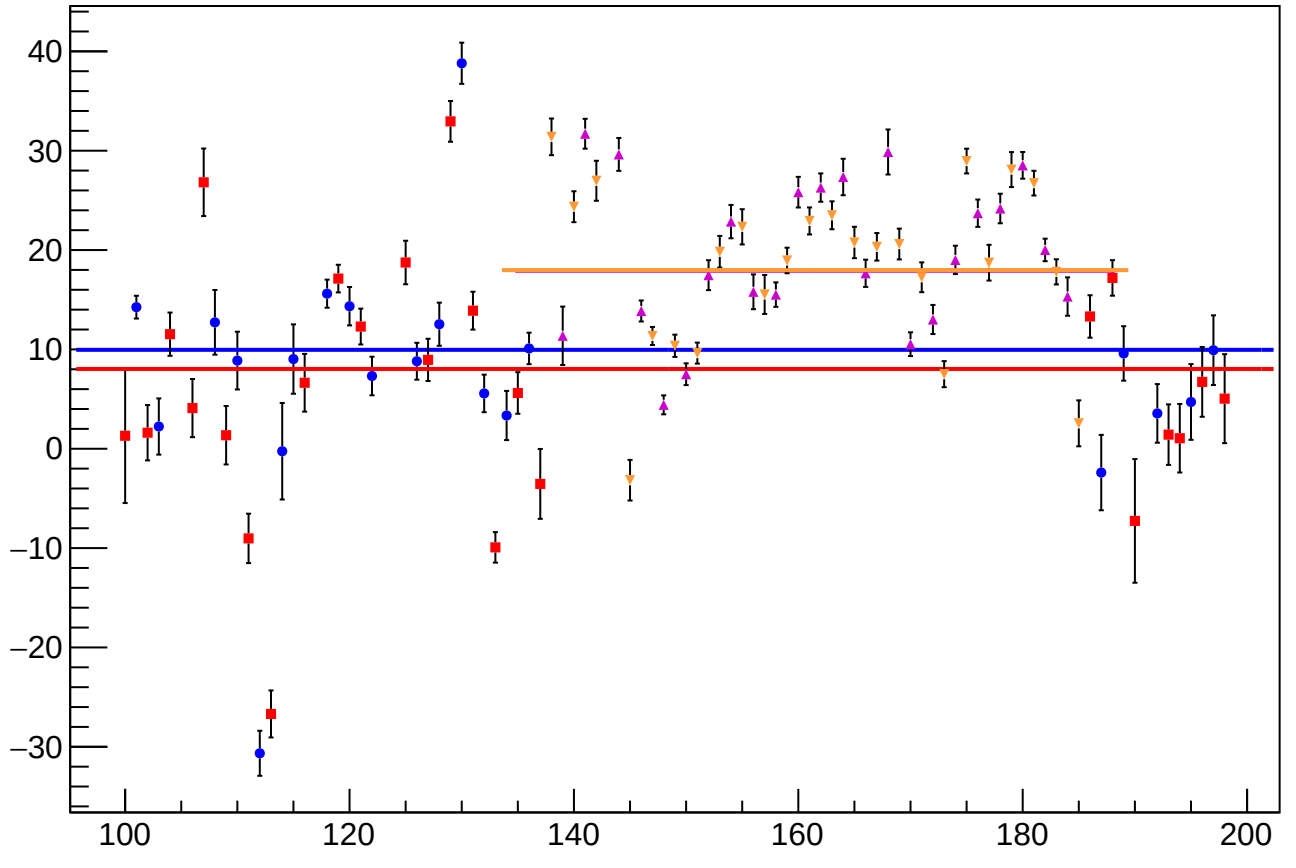
Left: 61.638+/-0.234 χ^2/NDF: 5024.5/46

Right: 92.299+/-0.340 χ^2/NDF: 10036.6/45

In: 69.604+/-0.283 χ^2/NDF:8761.0/43

Out: 73.111+/-0.263 χ^2/NDF:11725.9/48

All: 71.487+/-0.193 χ^2/NDF: 20569.0/92



Right In: 9.957+/-0.472 χ^2/NDF: 596.1/20

Left Out: 17.980+/-0.291 χ^2/NDF:674.4/23

Right Out: 8.031+/-0.470 χ^2/NDF: 735.5/24

Left In: 17.916+/-0.292 χ^2/NDF:726.5/22

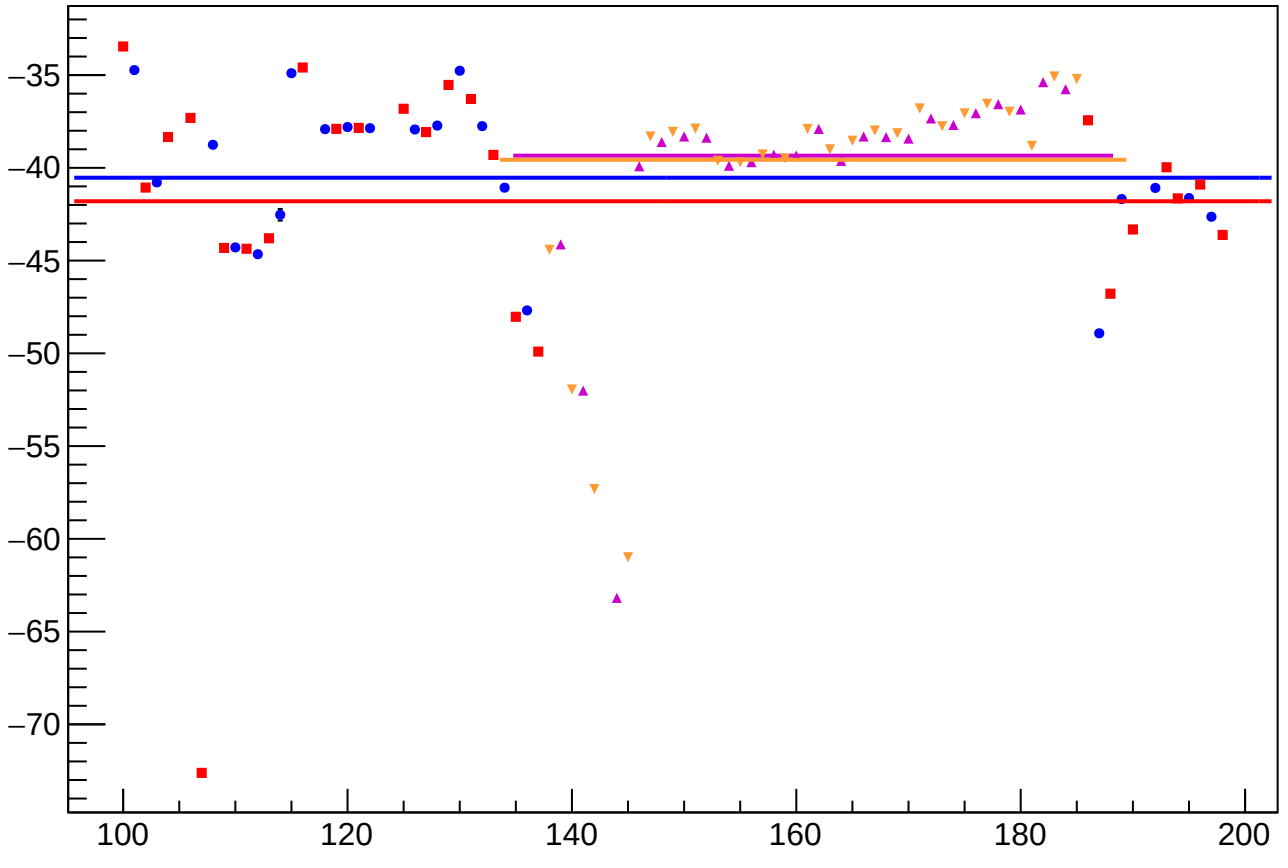
Left: 17.948+/-0.206 χ^2/NDF: 1400.9/46

Right: 8.991+/-0.333 χ^2/NDF: 1340.0/45

In: 15.707+/-0.248 χ^2/NDF:1528.4/43

Out: 15.227+/-0.247 χ^2/NDF:1733.6/48

All: 15.466+/-0.175 χ^2/NDF: 3263.8/92



Right In: -40.533+/-0.025 χ^2/NDF: 27323.3/20

Left Out: -39.566+/-0.014 χ^2/NDF:141198.7/23

Right Out: -41.801+/-0.024 χ^2/NDF: 66171.0/24

Left In: -39.344+/-0.014 χ^2/NDF:116615.7/22

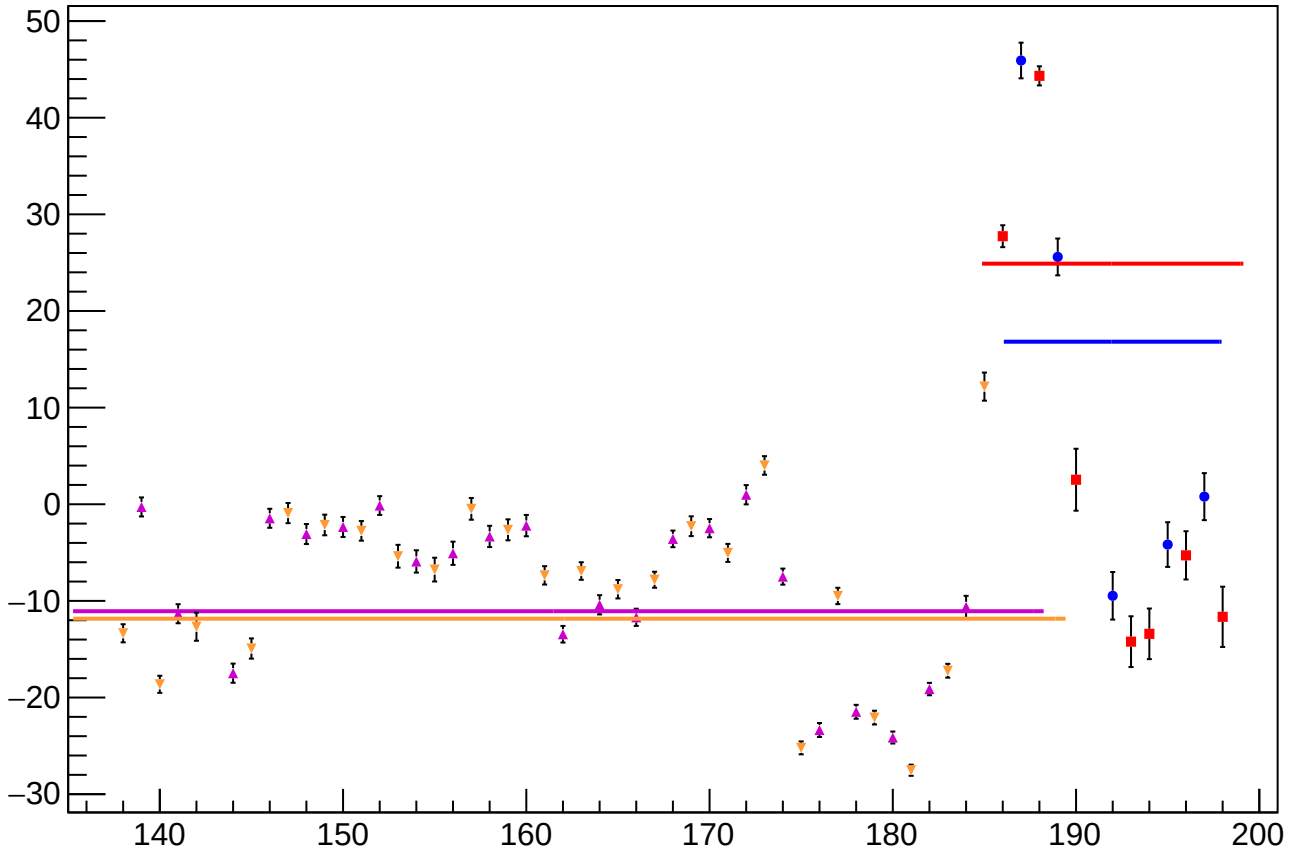
Left: -39.454+/-0.010 χ^2/NDF: 257946.5/46

Right: -41.200+/-0.017 χ^2/NDF: 94834.1/45

In: -39.613+/-0.012 χ^2/NDF:145671.9/43

Out: -40.122+/-0.012 χ^2/NDF:213960.2/48

All: -39.869+/-0.008 χ^2/NDF: 360542.1/92



Right In: 16.821+/-0.958 χ^2/NDF: 509.7/4

Left Out: -11.842+/-0.187 χ^2/NDF:2739.8/23

Right Out: 24.897+/-0.639 χ^2/NDF: 1159.4/6

Left In: -11.067+/-0.188 χ^2/NDF:2104.8/22

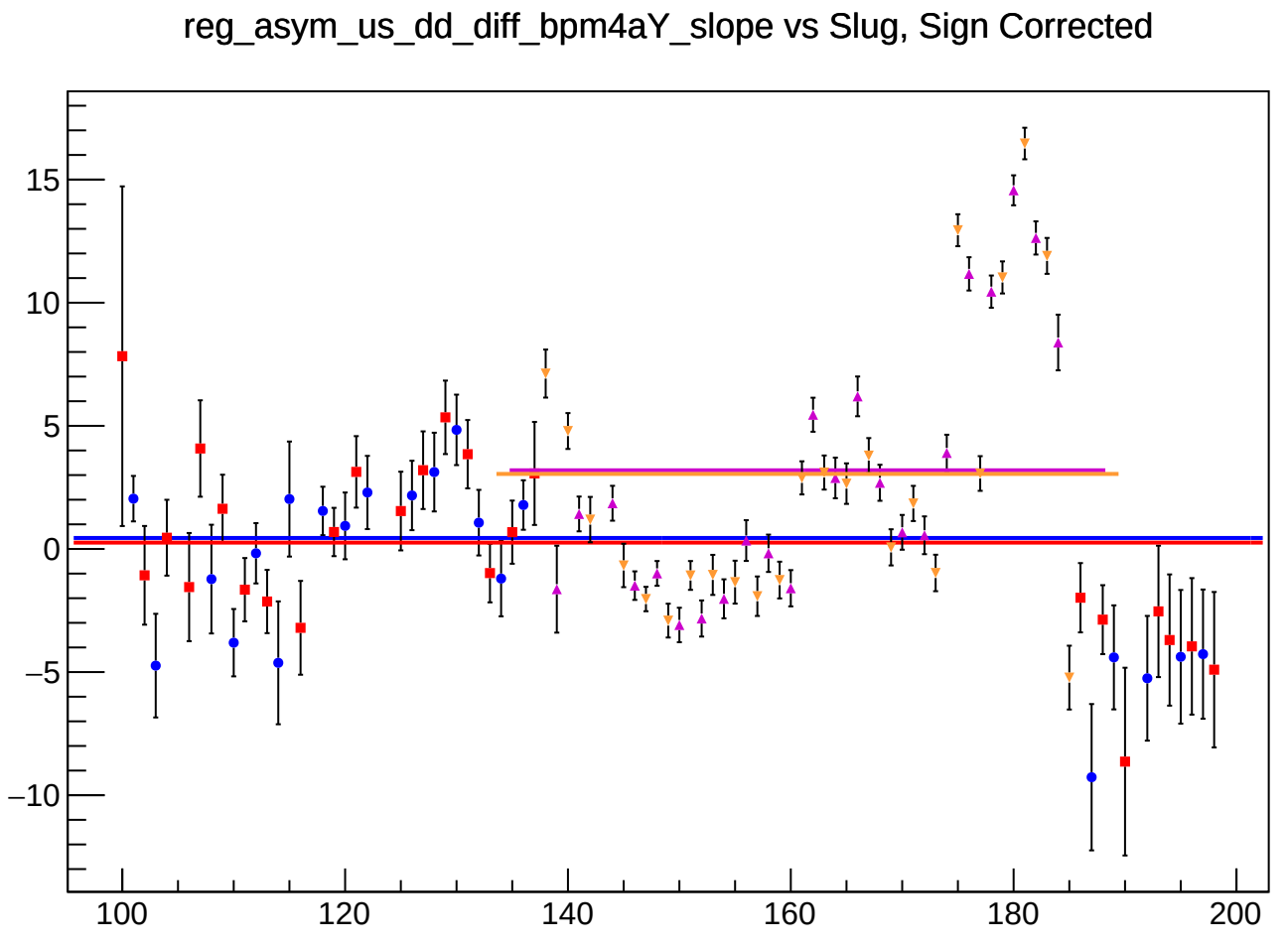
Left: -11.457+/-0.133 χ^2/NDF: 4853.2/46

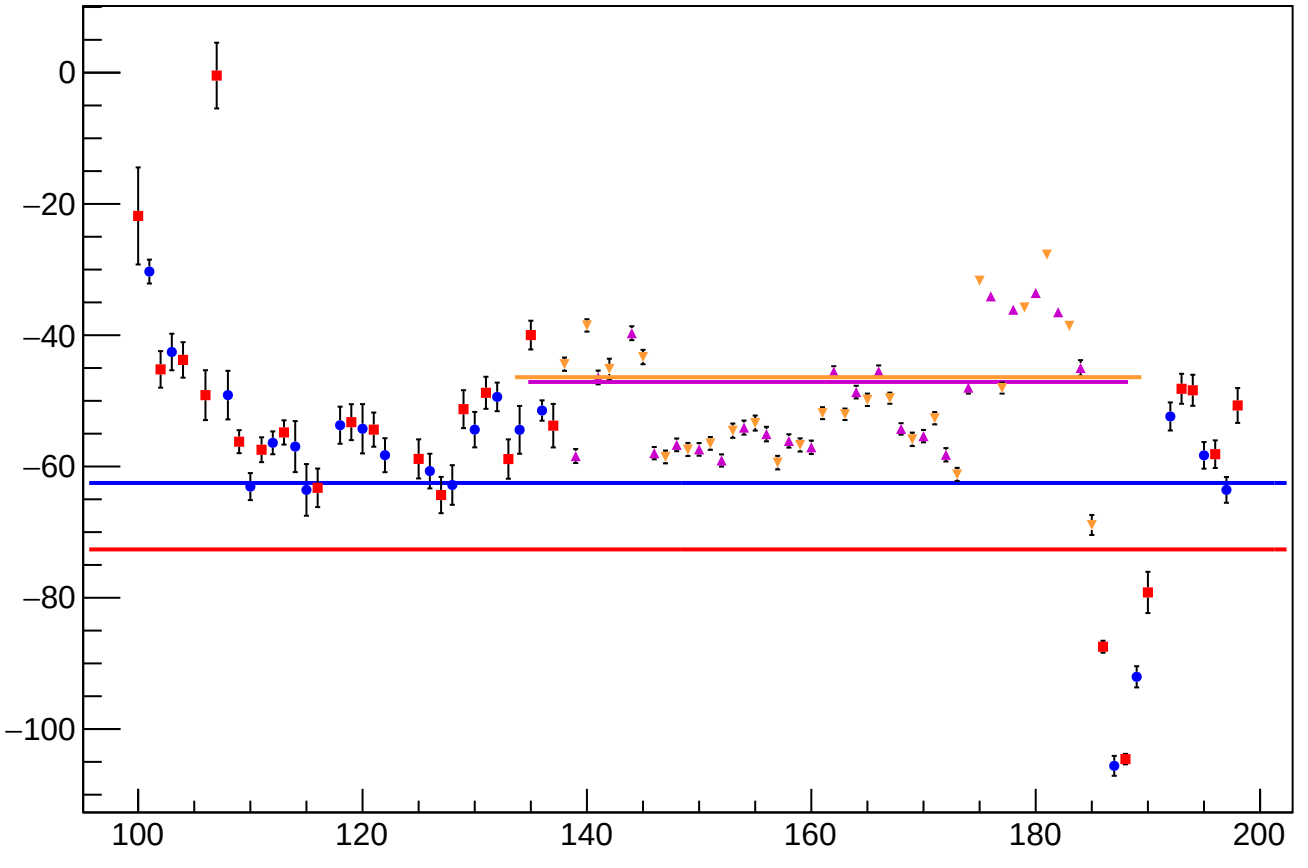
Right: 22.409+/-0.532 χ^2/NDF: 1718.2/11

In: -10.033+/-0.184 χ^2/NDF:3430.5/27

Out: -8.950+/-0.179 χ^2/NDF:6943.6/30

All: -9.476+/-0.129 χ^2/NDF: 10391.8/58


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 0.446+/-0.328 χ²/NDF: 71.3/20
Left Out: 3.047+/-0.148 χ²/NDF:1457.2/23
Right Out: 0.258+/-0.323 χ²/NDF: 66.9/24
Left In: 3.194+/-0.150 χ²/NDF:1295.0/22
Left: 3.119+/-0.105 χ²/NDF: 2752.7/46
Right: 0.351+/-0.230 χ²/NDF: 138.4/45
In: 2.718+/-0.136 χ²/NDF:1424.5/43
Out: 2.564+/-0.134 χ²/NDF:1585.8/48
All: 2.640+/-0.096 χ²/NDF: 3010.9/92



Right In: -62.511+/-0.489 χ^2/NDF: 1680.2/20

Left Out: -46.392+/-0.187 χ^2/NDF:3286.7/23

Right Out: -72.635+/-0.400 χ^2/NDF: 3522.3/24

Left In: -47.128+/-0.187 χ^2/NDF:2516.0/22

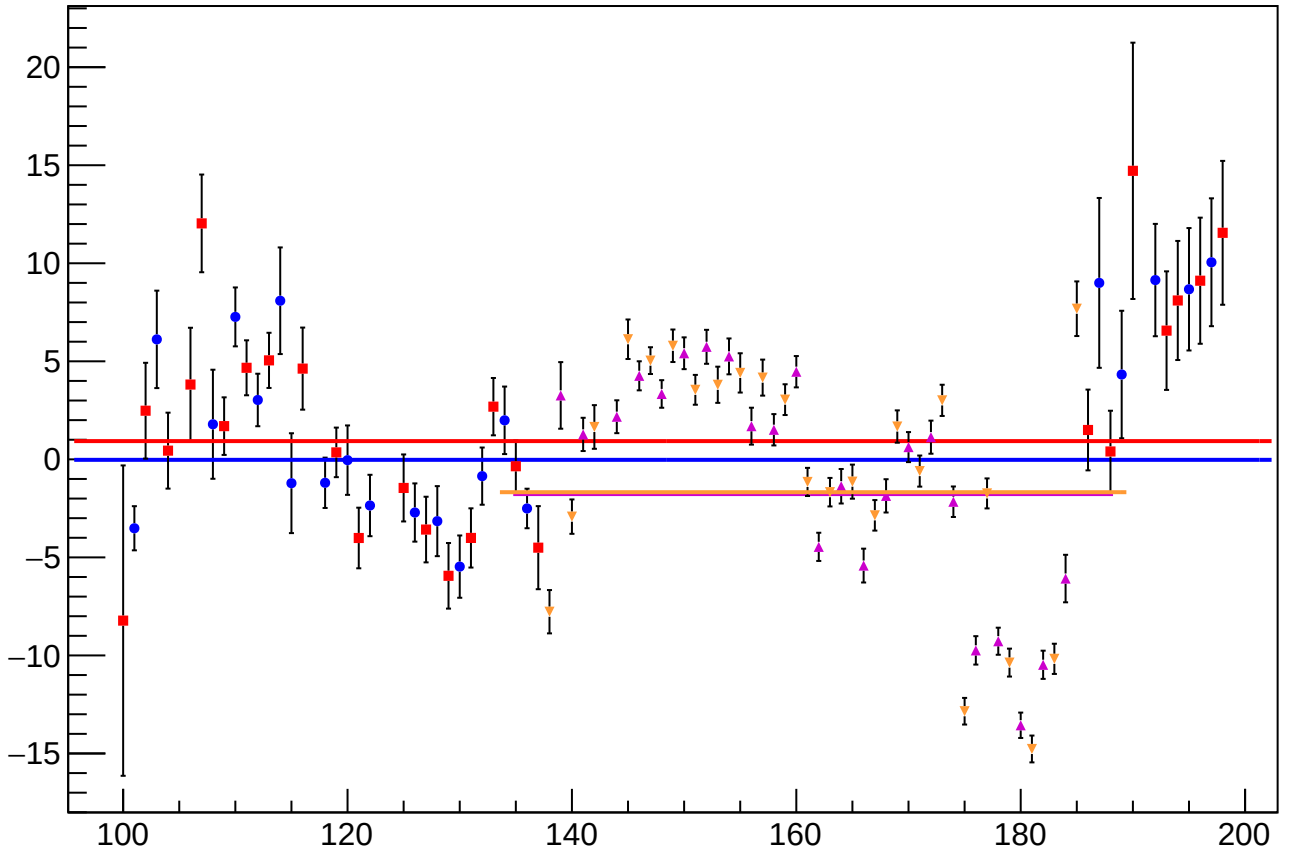
Left: -46.759+/-0.132 χ^2/NDF: 5810.5/46

Right: -68.577+/-0.310 χ^2/NDF: 5459.0/45

In: -49.091+/-0.175 χ^2/NDF:5058.2/43

Out: -51.077+/-0.169 χ^2/NDF:10340.9/48

All: -50.117+/-0.122 χ^2/NDF: 15465.7/92



Right In: -0.025+/-0.375 χ^2/NDF: 116.6/20

Left Out: -1.675+/-0.167 χ^2/NDF:1483.8/23

Right Out: 0.931+/-0.375 χ^2/NDF: 126.4/24

Left In: -1.771+/-0.169 χ^2/NDF:1251.3/22

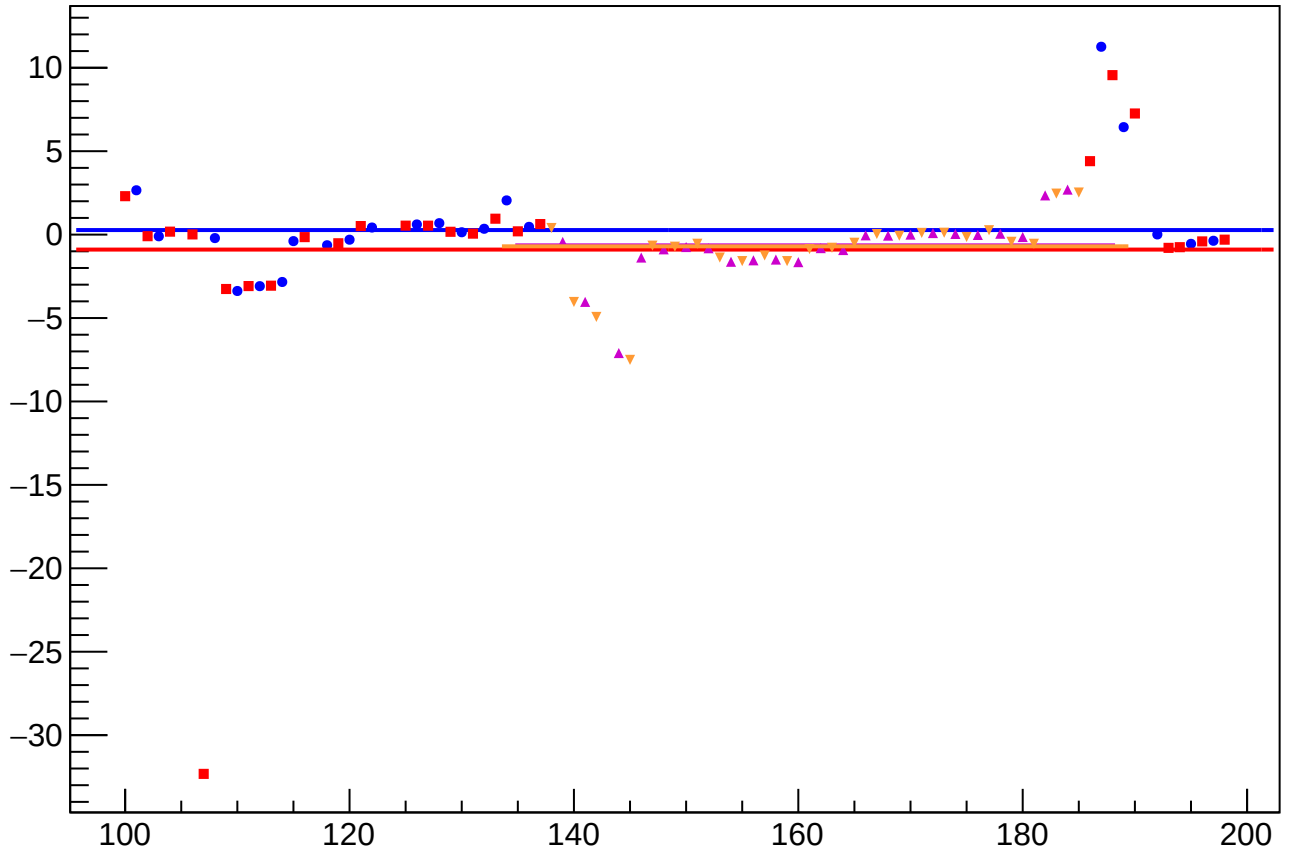
Left: -1.723+/-0.119 χ^2/NDF: 2735.2/46

Right: 0.453+/-0.265 χ^2/NDF: 246.2/45

In: -1.476+/-0.154 χ^2/NDF:1385.9/43

Out: -1.243+/-0.153 χ^2/NDF:1650.5/48

All: -1.358+/-0.108 χ^2/NDF: 3037.6/92



Right In: 0.273+/-0.020 χ^2/NDF: 9227.8/20

Left Out: -0.702+/-0.008 χ^2/NDF:53834.9/23

Right Out: -0.897+/-0.019 χ^2/NDF: 92293.2/24

Left In: -0.644+/-0.008 χ^2/NDF:44169.2/22

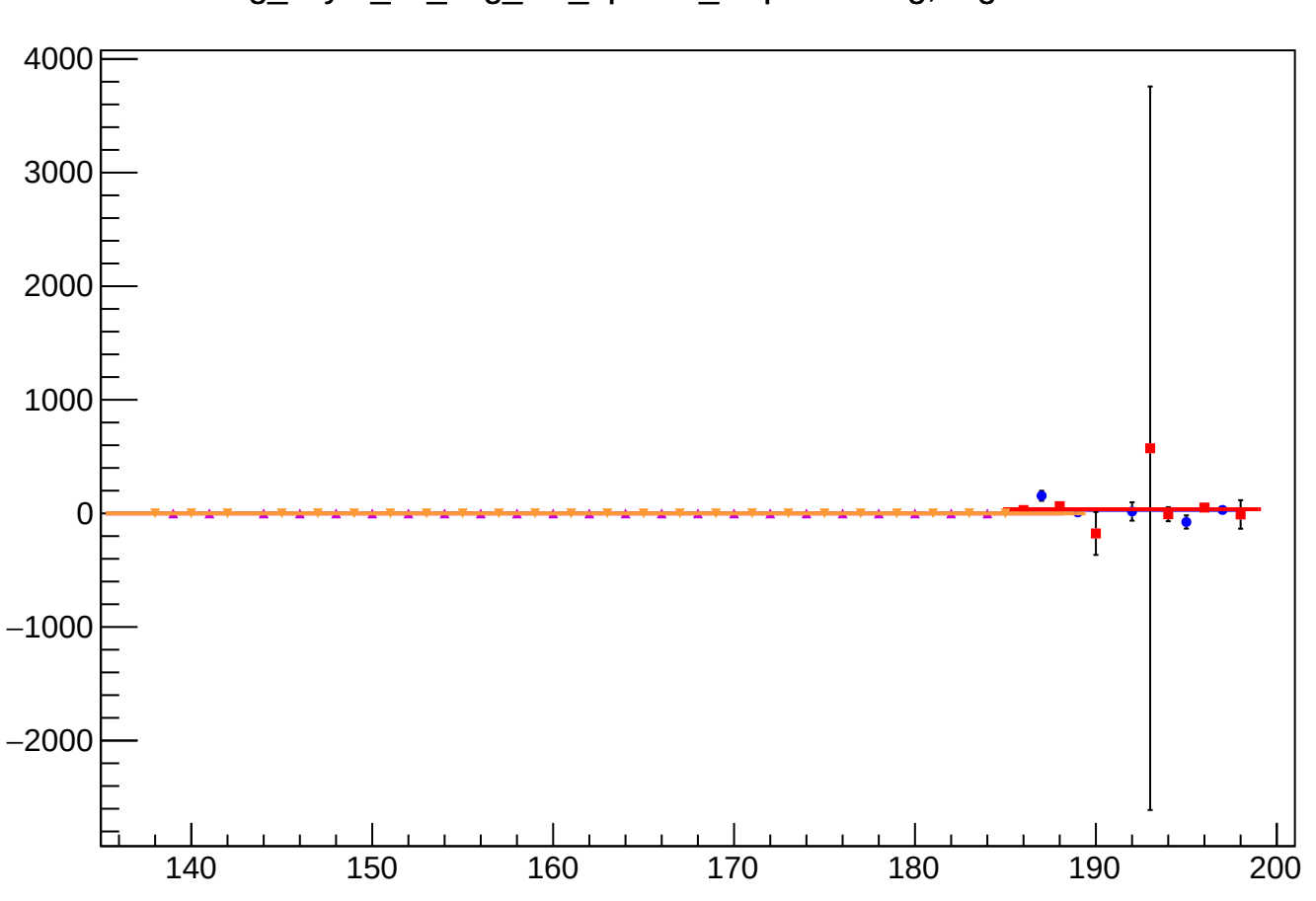
Left: -0.673+/-0.005 χ^2/NDF: 98032.6/46

Right: -0.329+/-0.014 χ^2/NDF: 103304.3/45

In: -0.525+/-0.007 χ^2/NDF:55250.6/43

Out: -0.728+/-0.007 χ^2/NDF:146216.4/48

All: -0.627+/-0.005 χ^2/NDF: 201873.0/92



Right In: 31.471+/-18.934 χ^2/NDF: 12.0/4

Left Out: -0.037+/-0.018 χ^2/NDF:35.4/23

Right Out: 36.730+/-9.979 χ^2/NDF: 4.0/6

Left In: -0.010+/-0.018 χ^2/NDF:35.1/22

Left: -0.024+/-0.013 χ^2/NDF: 71.7/46

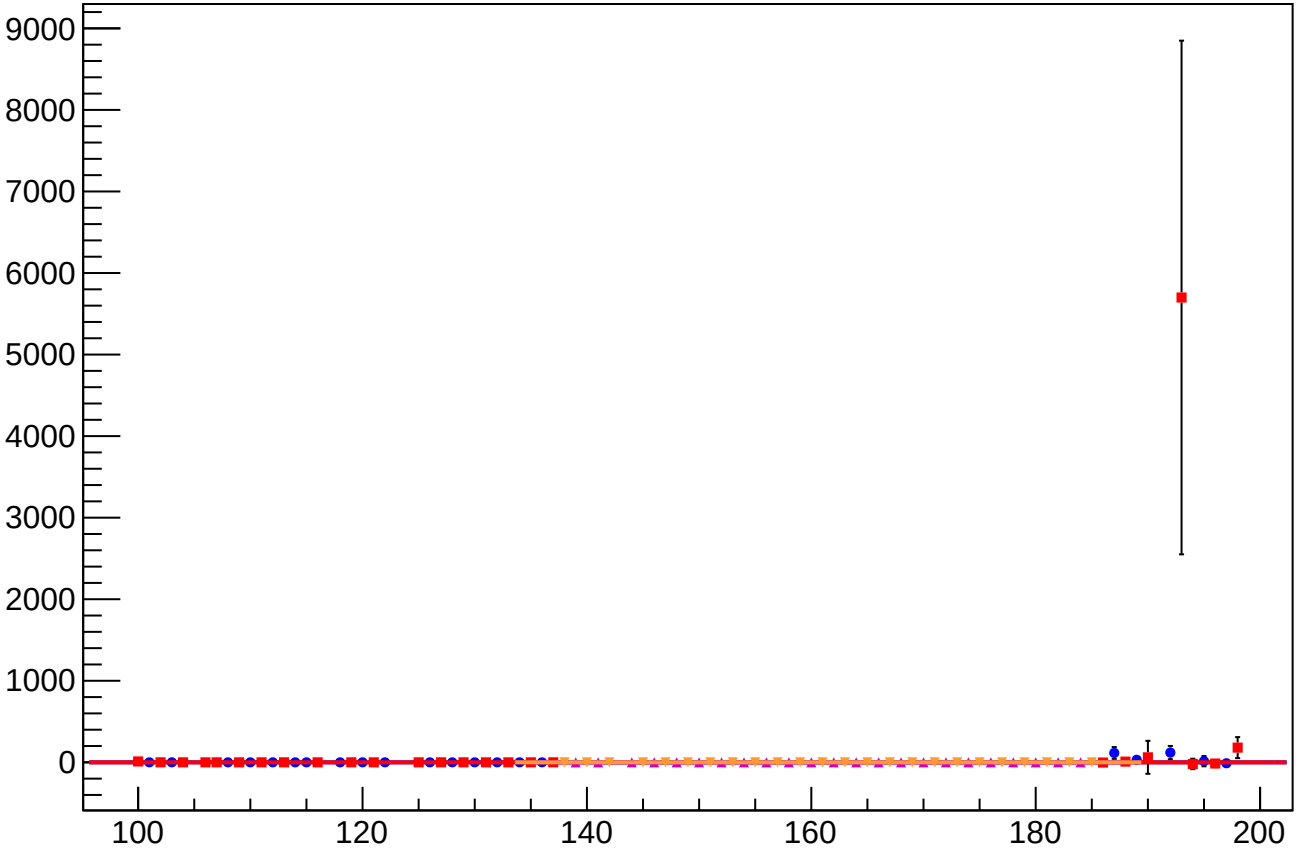
Right: 35.586+/-8.828 χ^2/NDF: 16.0/11

In: -0.010+/-0.018 χ^2/NDF:49.9/27

Out: -0.037+/-0.018 χ^2/NDF:53.0/30

All: -0.024+/-0.013 χ^2/NDF: 104.0/58

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013+/-0.023 χ^2/NDF: 17.8/20

Left Out: -0.073+/-0.014 χ^2/NDF:27.8/23

Right Out: -0.088+/-0.025 χ^2/NDF: 18.5/24

Left In: -0.064+/-0.014 χ^2/NDF:41.1/22

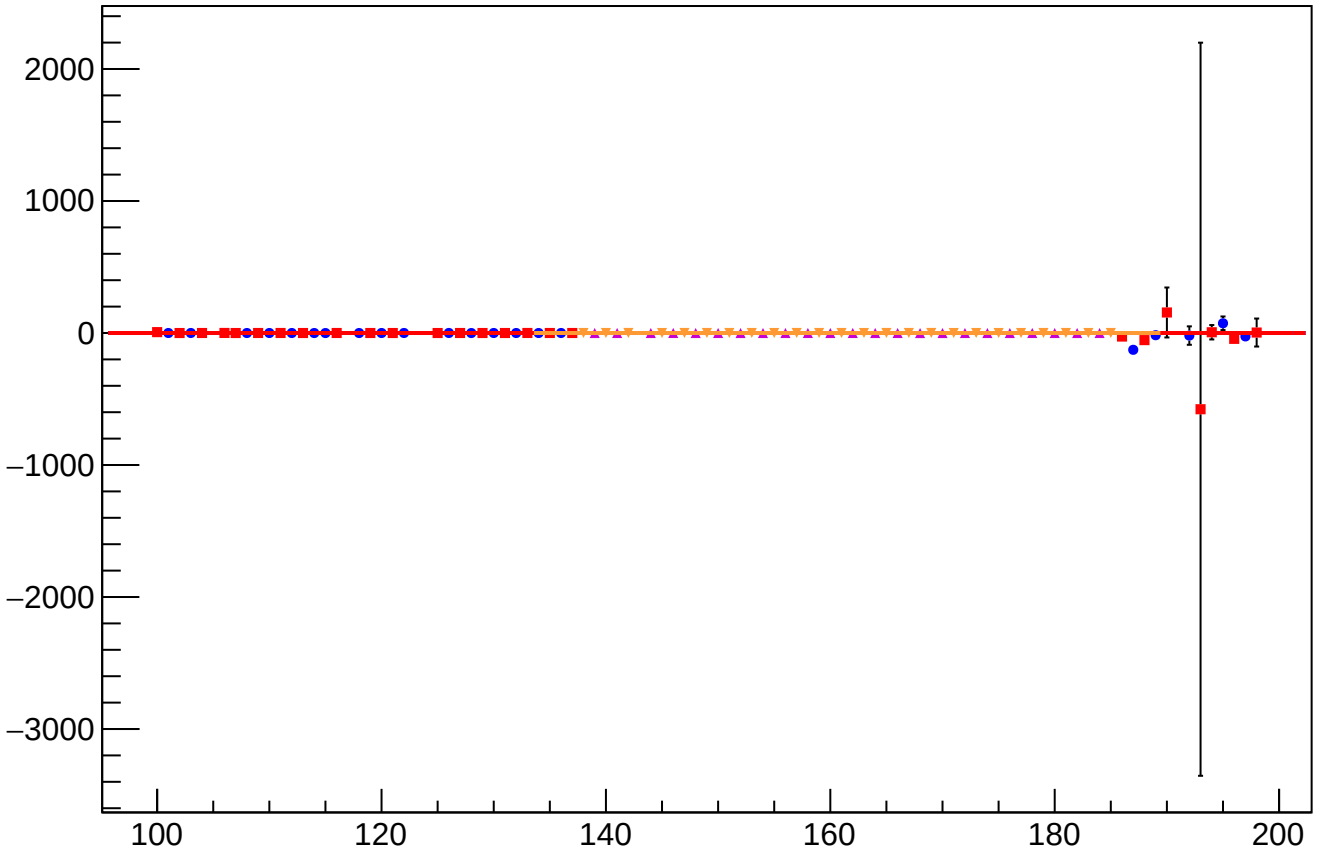
Left: -0.068+/-0.010 χ^2/NDF: 69.1/46

Right: -0.049+/-0.017 χ^2/NDF: 41.1/45

In: -0.050+/-0.012 χ^2/NDF:62.2/43

Out: -0.076+/-0.012 χ^2/NDF:46.6/48

All: -0.063+/-0.009 χ^2/NDF: 111.1/92



Right In: 0.016+/-0.043 χ^2/NDF: 24.7/20

Left Out: 0.035+/-0.018 χ^2/NDF:32.2/23

Right Out: 0.031+/-0.045 χ^2/NDF: 29.3/24

Left In: -0.009+/-0.018 χ^2/NDF:36.8/22

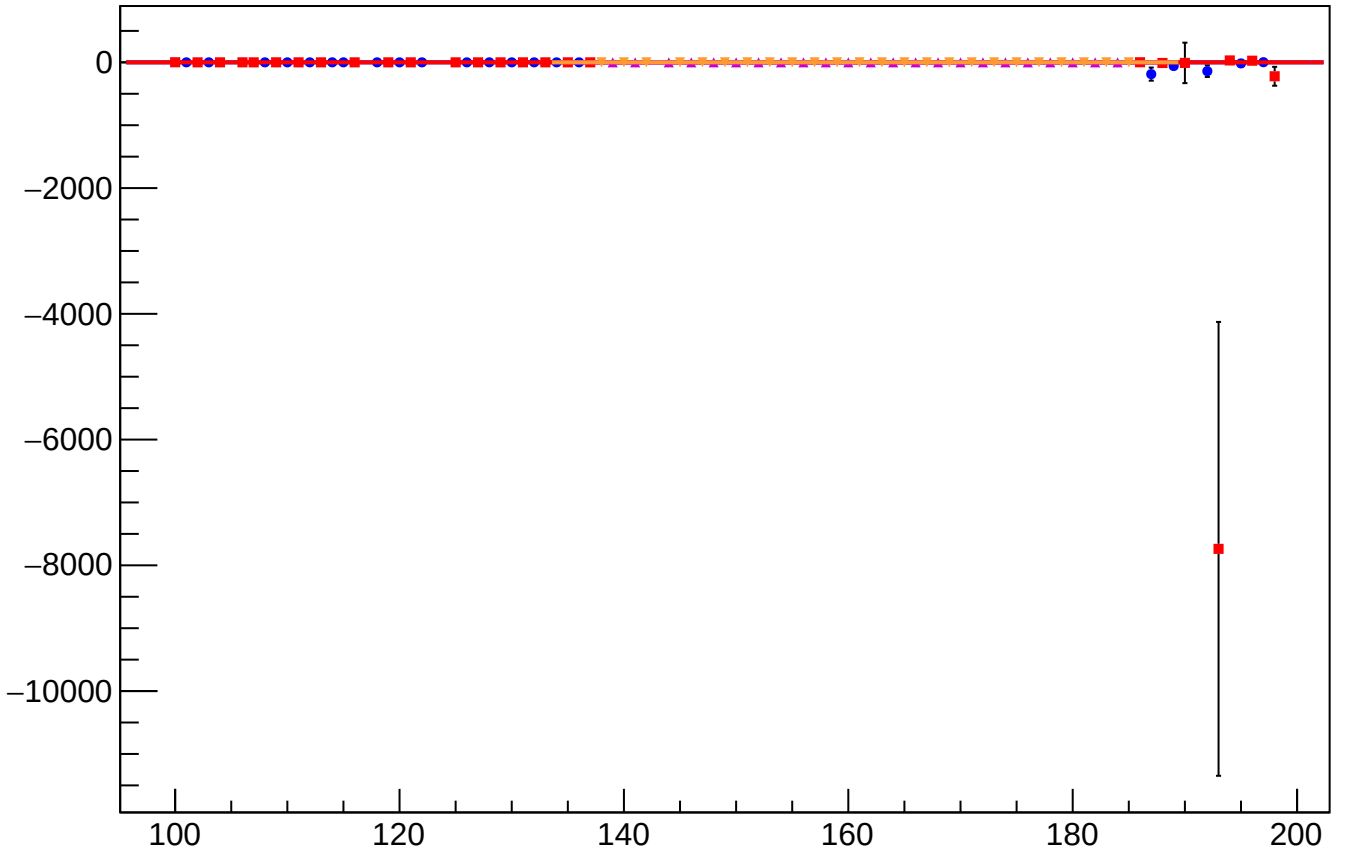
Left: 0.013+/-0.013 χ^2/NDF: 72.0/46

Right: 0.023+/-0.031 χ^2/NDF: 54.0/45

In: -0.005+/-0.017 χ^2/NDF:61.8/43

Out: 0.035+/-0.017 χ^2/NDF:61.5/48

All: 0.015+/-0.012 χ^2/NDF: 126.1/92



Right In: 0.008+/-0.027 χ^2/NDF: 18.5/20

Left Out: 0.086+/-0.016 χ^2/NDF:27.7/23

Right Out: 0.105+/-0.029 χ^2/NDF: 15.3/24

Left In: 0.070+/-0.016 χ^2/NDF:44.8/22

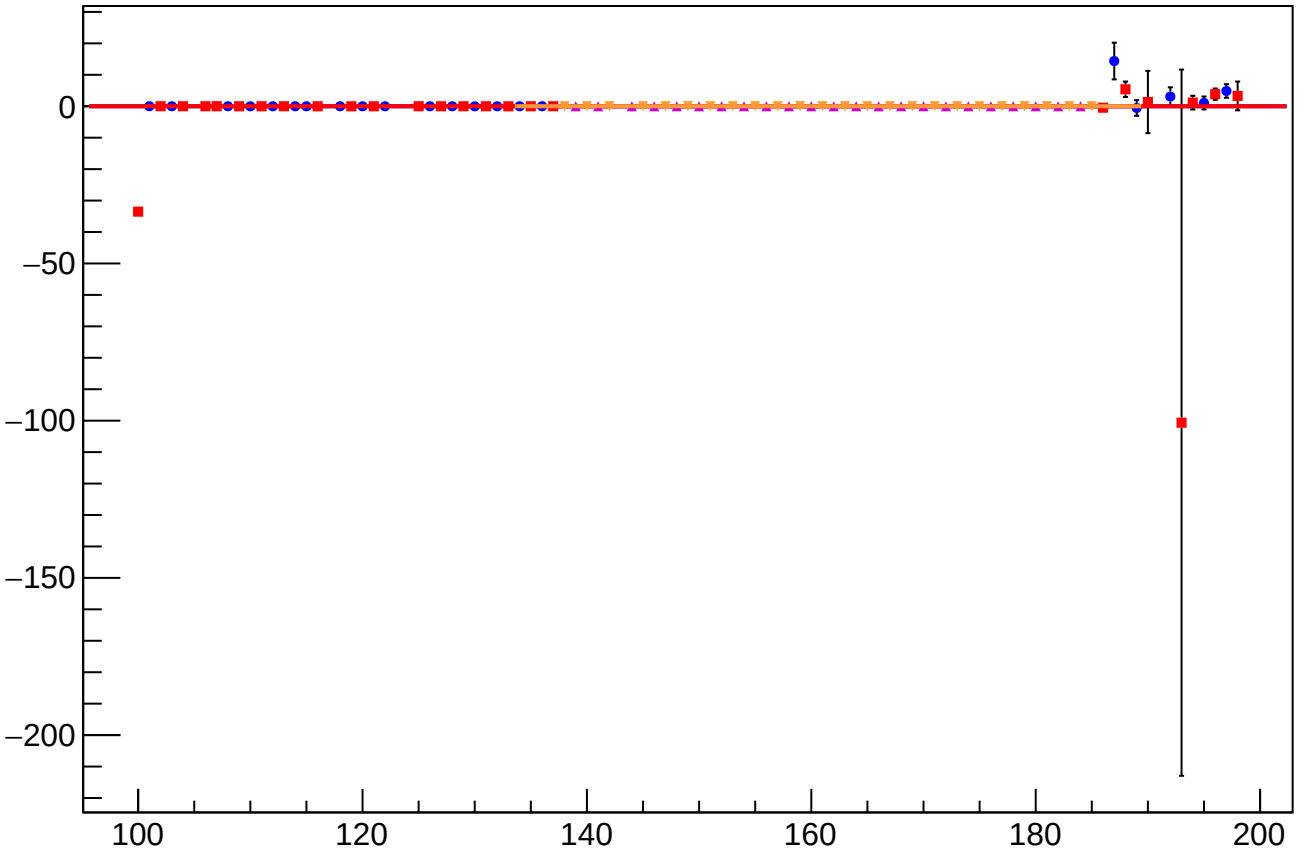
Left: 0.078+/-0.011 χ^2/NDF: 73.1/46

Right: 0.054+/-0.020 χ^2/NDF: 39.9/45

In: 0.053+/-0.014 χ^2/NDF:67.1/43

Out: 0.091+/-0.014 χ^2/NDF:43.4/48

All: 0.072+/-0.010 χ^2/NDF: 114.1/92



Right In: -0.005+/-0.001 χ^2/NDF: 34.1/20

Left Out: 0.000+/-0.001 χ^2/NDF:23.6/23

Right Out: -0.006+/-0.001 χ^2/NDF: 26520.0/24

Left In: 0.000+/-0.001 χ^2/NDF:22.3/22

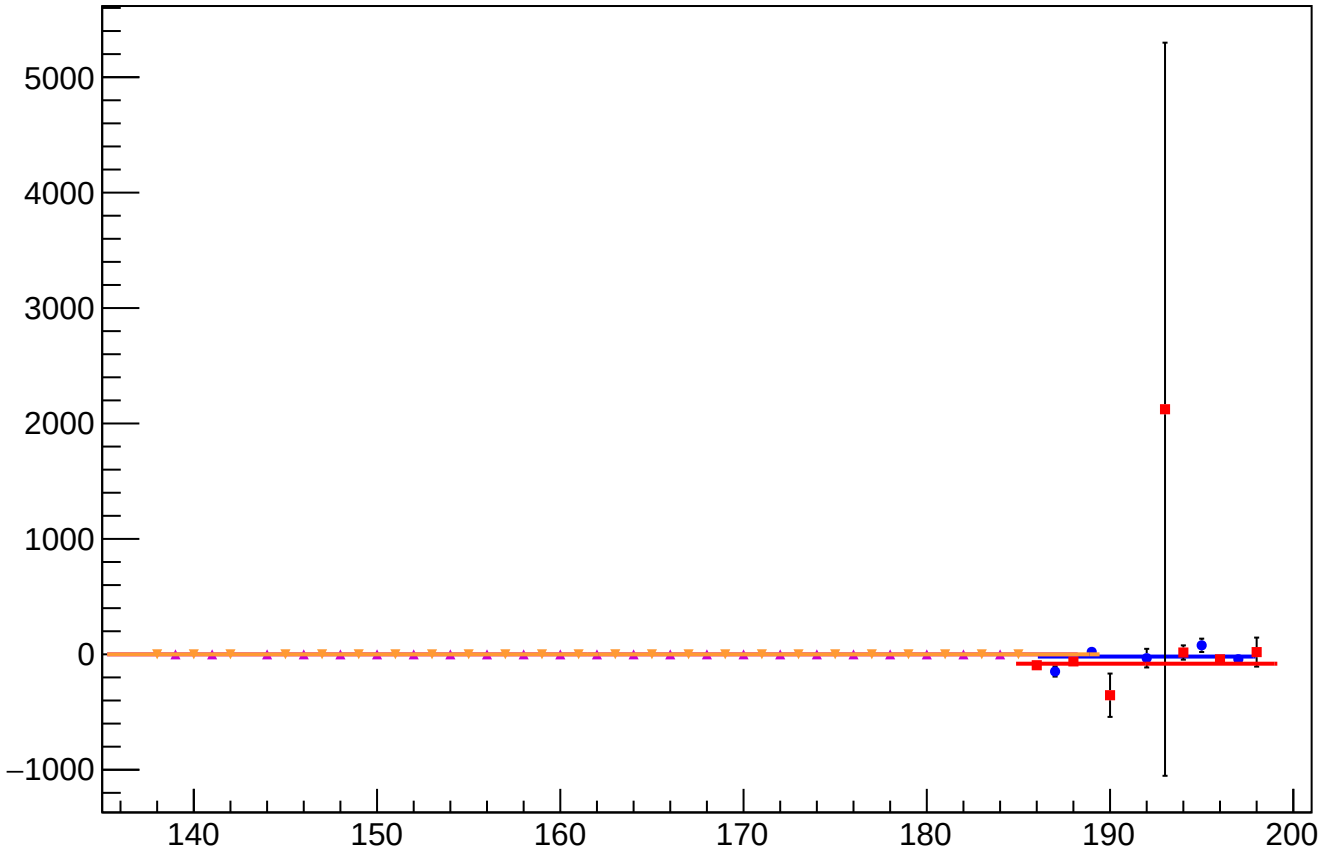
Left: 0.000+/-0.001 χ^2/NDF: 45.9/46

Right: -0.006+/-0.001 χ^2/NDF: 26554.2/45

In: -0.001+/-0.001 χ^2/NDF:68.1/43

Out: -0.001+/-0.001 χ^2/NDF:26558.7/48

All: -0.001+/-0.000 χ^2/NDF: 26626.8/92



Right In: -19.330+/-18.923 χ^2/NDF: 13.8/4

Left Out: -0.052+/-0.018 χ^2/NDF:37.3/23

Right Out: -81.137+/-9.982 χ^2/NDF: 8.6/6

Left In: -0.009+/-0.018 χ^2/NDF:35.1/22

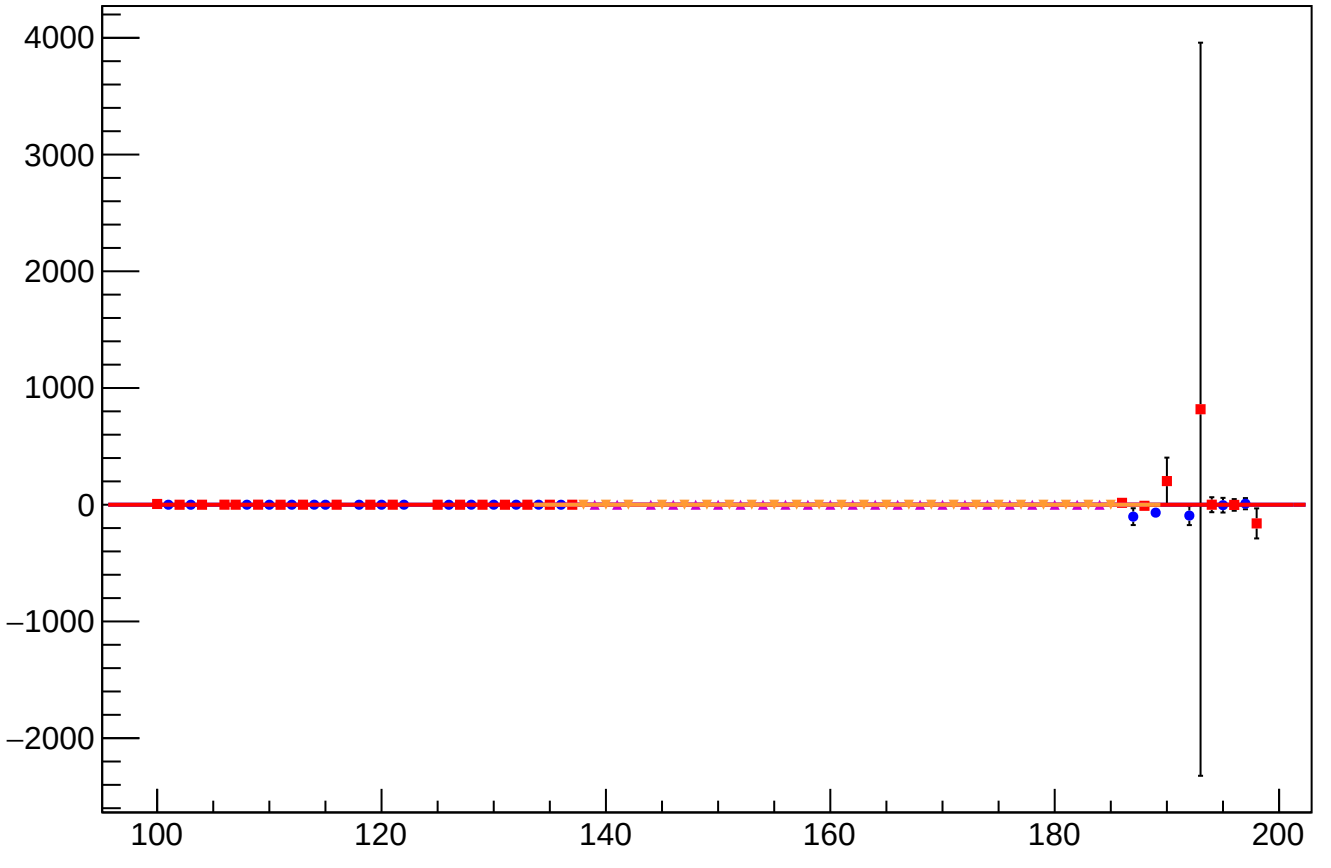
Left: -0.031+/-0.013 χ^2/NDF: 75.3/46

Right: -67.683+/-8.829 χ^2/NDF: 30.8/11

In: -0.009+/-0.018 χ^2/NDF:49.9/27

Out: -0.052+/-0.018 χ^2/NDF:112.0/30

All: -0.031+/-0.013 χ^2/NDF: 164.8/58



Right In: 0.008+/-0.023 χ^2/NDF: 33.0/20

Left Out: -0.011+/-0.014 χ^2/NDF:29.6/23

Right Out: 0.037+/-0.025 χ^2/NDF: 32.6/24

Left In: 0.005+/-0.014 χ^2/NDF:49.6/22

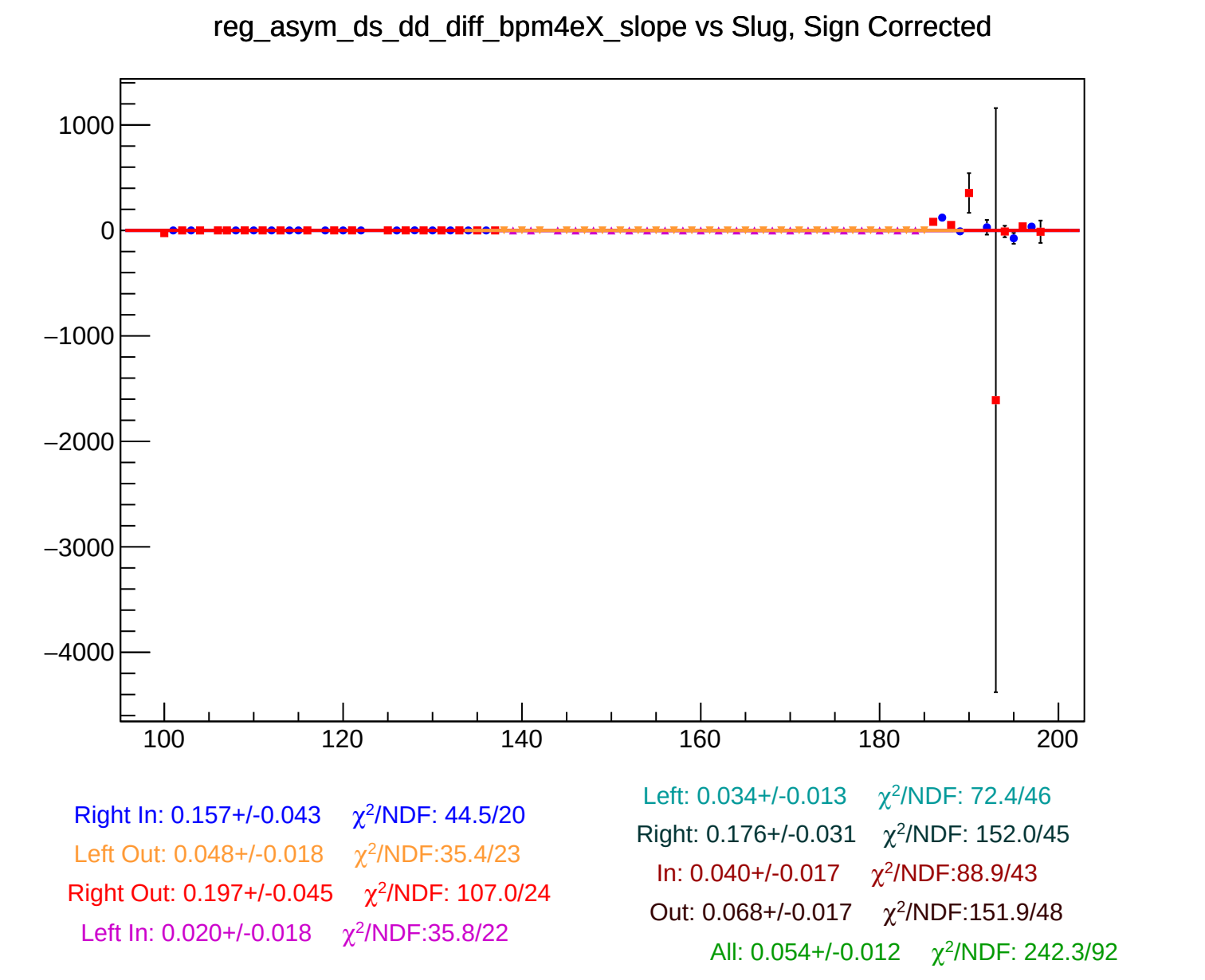
Left: -0.003+/-0.010 χ^2/NDF: 79.7/46

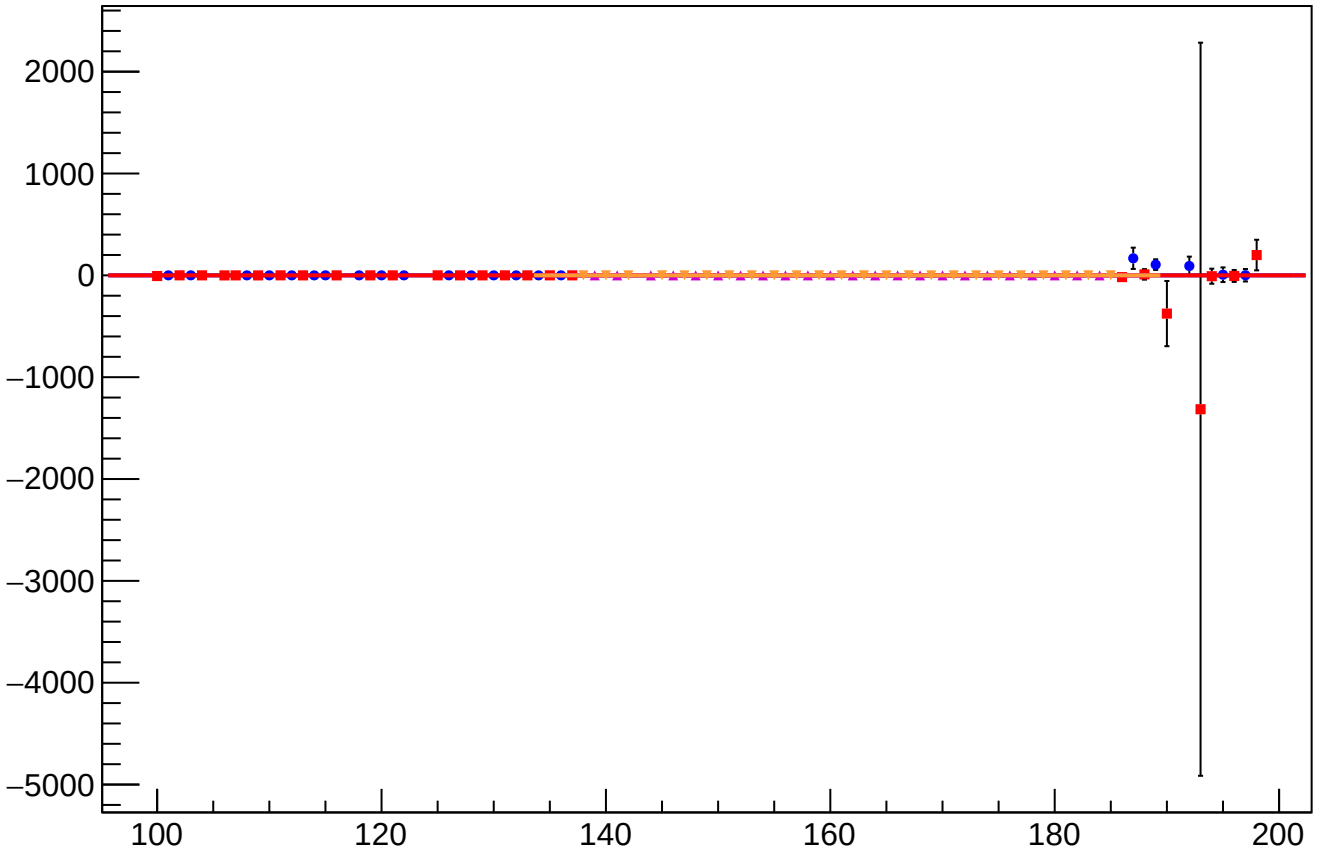
Right: 0.021+/-0.017 χ^2/NDF: 66.3/45

In: 0.006+/-0.012 χ^2/NDF:82.6/43

Out: 0.001+/-0.012 χ^2/NDF:64.9/48

All: 0.003+/-0.009 χ^2/NDF: 147.6/92


reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
1000
0
−1000
−2000
−3000
−4000
100
120
140
160
180
200
Right In: 0.157+/-0.043 χ²/NDF: 44.5/20
Left Out: 0.048+/-0.018 χ²/NDF:35.4/23
Right Out: 0.197+/-0.045 χ²/NDF: 107.0/24
Left In: 0.020+/-0.018 χ²/NDF:35.8/22
Left: 0.034+/-0.013 χ²/NDF: 72.4/46
Right: 0.176+/-0.031 χ²/NDF: 152.0/45
In: 0.040+/-0.017 χ²/NDF:88.9/43
Out: 0.068+/-0.017 χ²/NDF:151.9/48
All: 0.054+/-0.012 χ²/NDF: 242.3/92



Right In: -0.010+/-0.027 χ^2/NDF: 32.3/20

Left Out: 0.022+/-0.016 χ^2/NDF:33.3/23

Right Out: -0.046+/-0.029 χ^2/NDF: 30.2/24

Left In: 0.006+/-0.016 χ^2/NDF:50.1/22

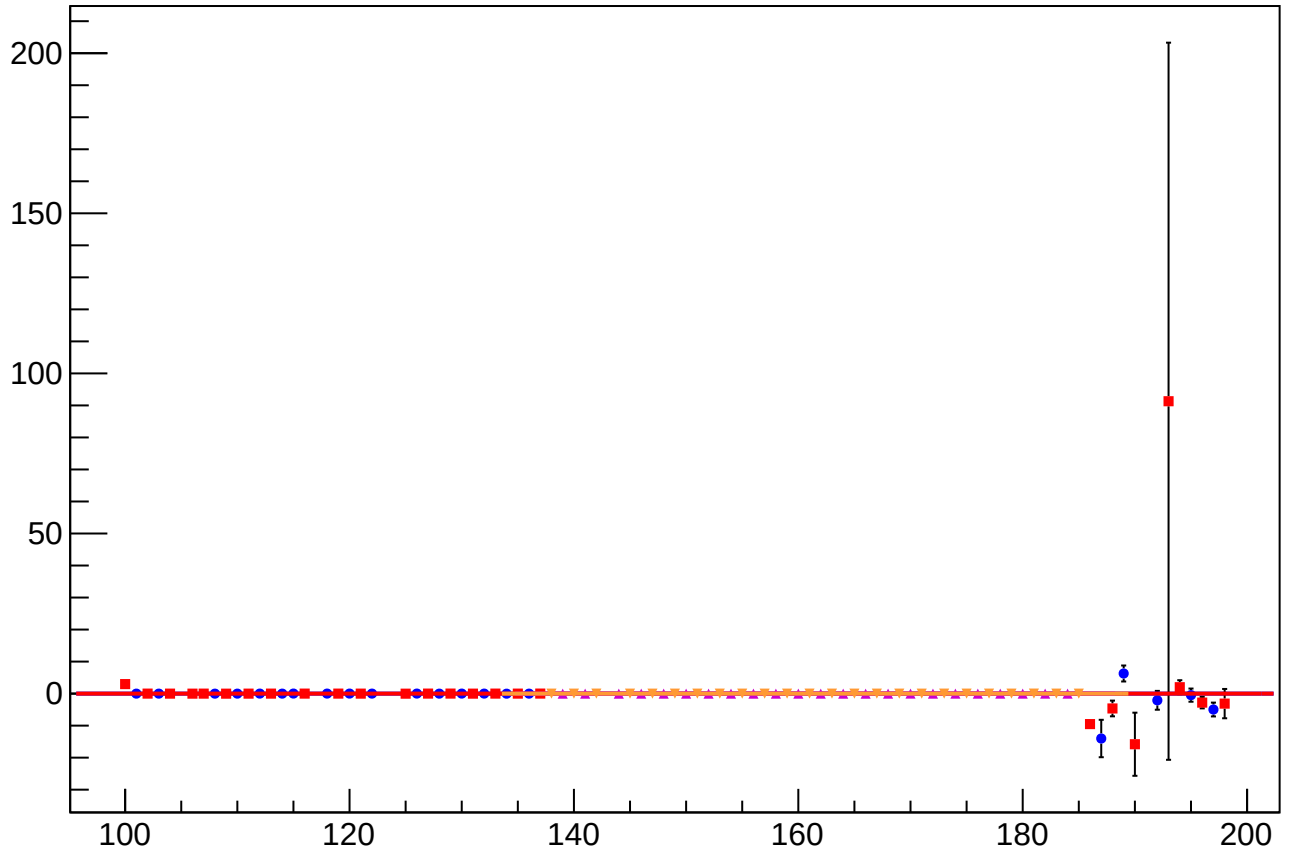
Left: 0.014+/-0.011 χ^2/NDF: 83.9/46

Right: -0.027+/-0.020 χ^2/NDF: 63.3/45

In: 0.002+/-0.014 χ^2/NDF:82.6/43

Out: 0.005+/-0.014 χ^2/NDF:67.8/48

All: 0.004+/-0.010 χ^2/NDF: 150.5/92



Right In: -0.006+/-0.001 χ^2/NDF: 45.4/20

Left Out: -0.008+/-0.001 χ^2/NDF:32.0/23

Right Out: -0.006+/-0.001 χ^2/NDF: 213.4/24

Left In: -0.009+/-0.001 χ^2/NDF:37.2/22

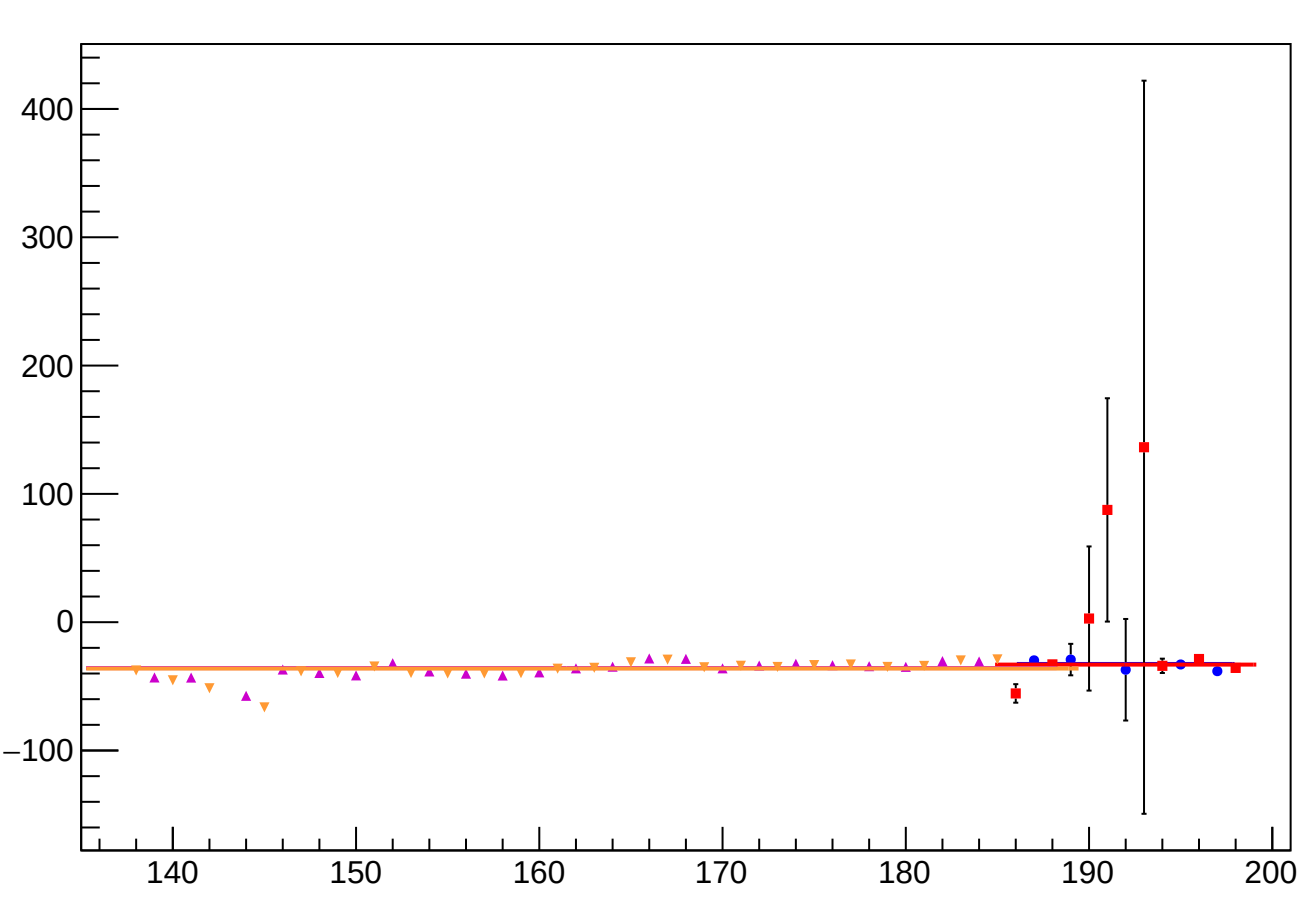
Left: -0.008+/-0.001 χ^2/NDF: 69.4/46

Right: -0.006+/-0.001 χ^2/NDF: 258.8/45

In: -0.008+/-0.001 χ^2/NDF:85.2/43

Out: -0.008+/-0.001 χ^2/NDF:247.4/48

All: -0.008+/-0.000 χ^2/NDF: 332.8/92



Right In: -32.560+/-1.333 χ^2/NDF: 6.6/4

Left Out: -36.120+/-0.192 χ^2/NDF:1114.9/23

Right Out: -33.053+/-1.009 χ^2/NDF: 15.3/7

Left In: -35.779+/-0.191 χ^2/NDF:854.1/22

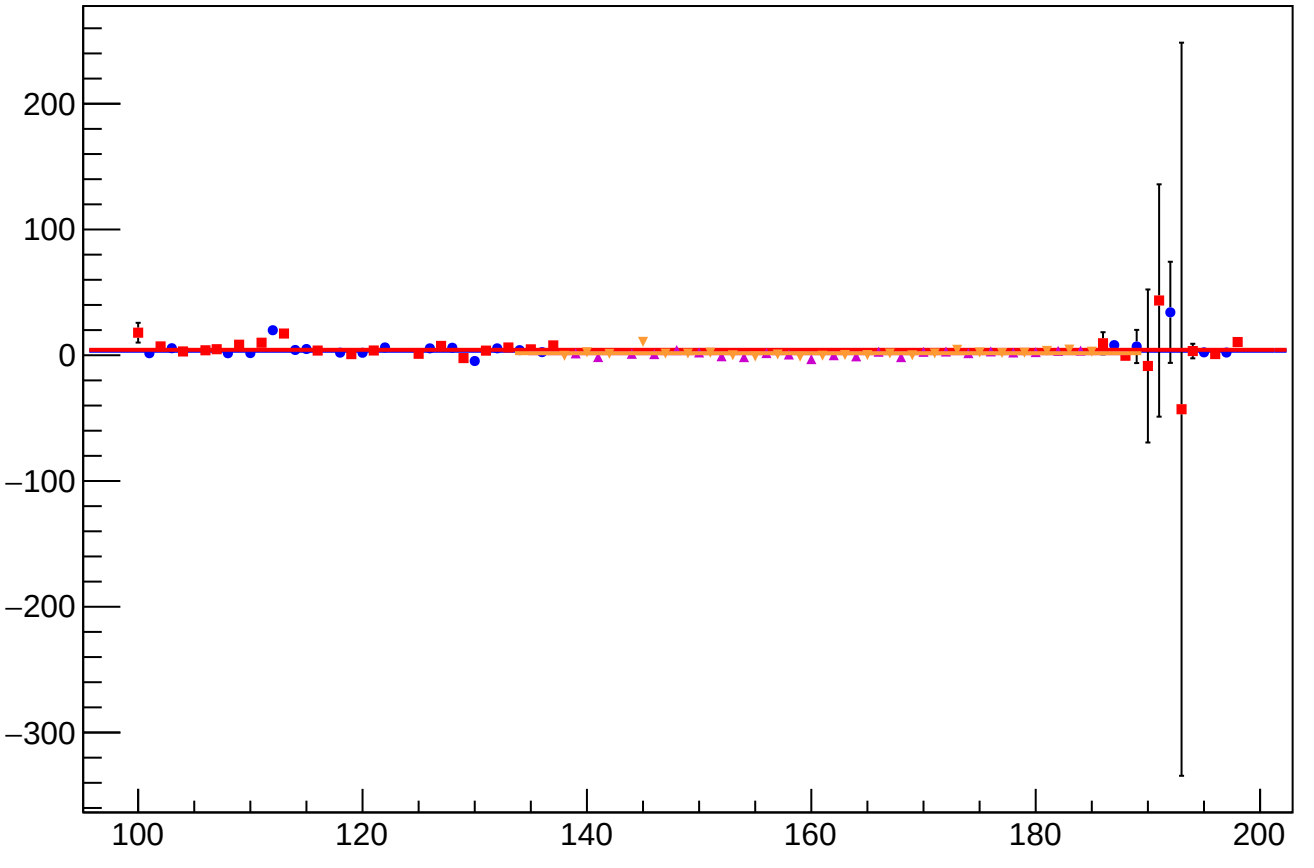
Left: -35.949+/-0.136 χ^2/NDF: 1970.6/46

Right: -32.874+/-0.804 χ^2/NDF: 22.1/12

In: -35.714+/-0.189 χ^2/NDF:866.5/27

Out: -36.013+/-0.189 χ^2/NDF:1139.2/31

All: -35.864+/-0.134 χ^2/NDF: 2006.9/59



Right In: 3.564+/-0.219 χ^2/NDF: 443.2/20

Left Out: 1.634+/-0.148 χ^2/NDF:166.5/23

Right Out: 4.320+/-0.222 χ^2/NDF: 364.7/25

Left In: 1.641+/-0.150 χ^2/NDF:163.2/22

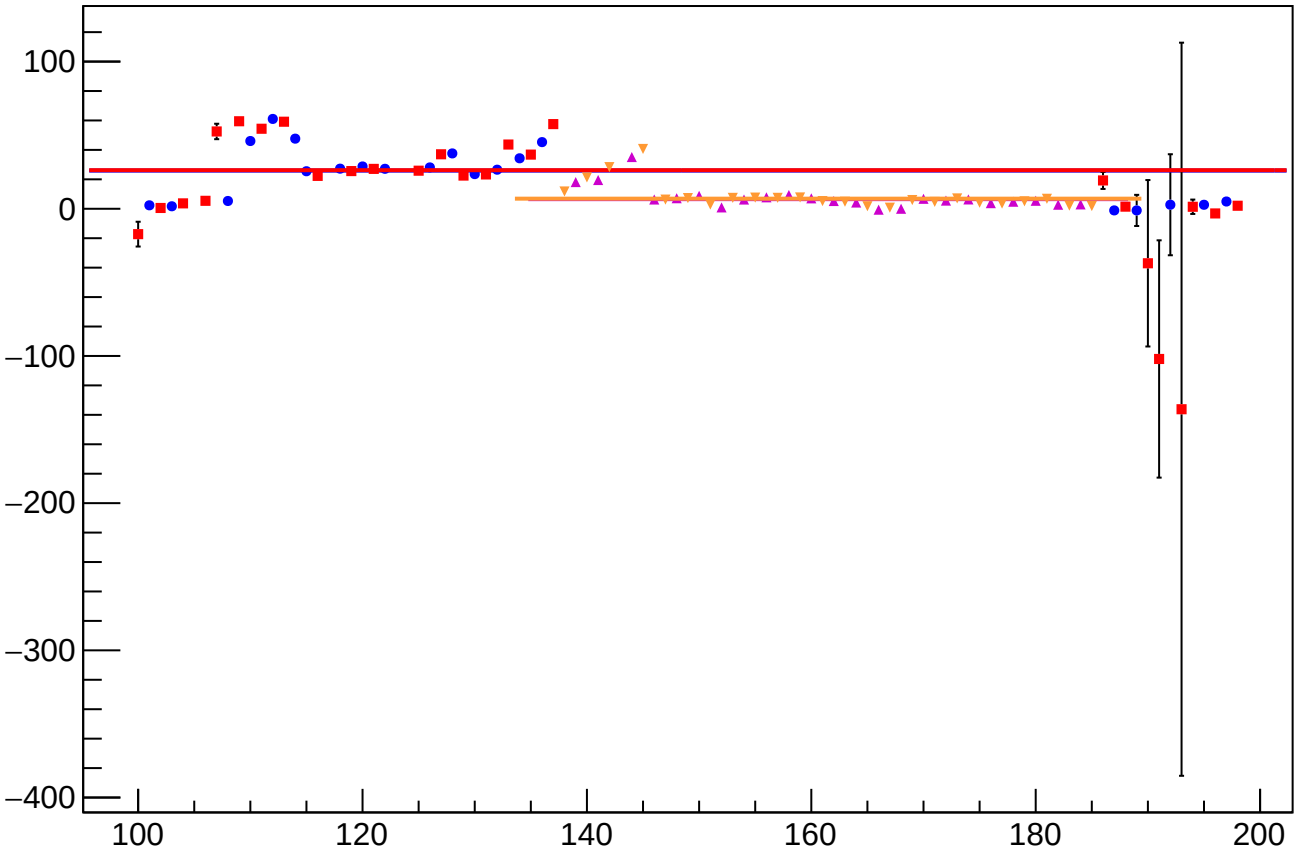
Left: 1.638+/-0.105 χ^2/NDF: 329.7/46

Right: 3.936+/-0.156 χ^2/NDF: 813.7/46

In: 2.252+/-0.123 χ^2/NDF:659.0/43

Out: 2.457+/-0.123 χ^2/NDF:632.4/49

All: 2.355+/-0.087 χ^2/NDF: 1292.8/93



Right In: 25.934+/-0.393 χ^2/NDF: 2063.8/20

Left Out: 6.866+/-0.191 χ^2/NDF:1295.7/23

Right Out: 26.214+/-0.377 χ^2/NDF: 2830.7/25

Left In: 6.537+/-0.190 χ^2/NDF:1025.1/22

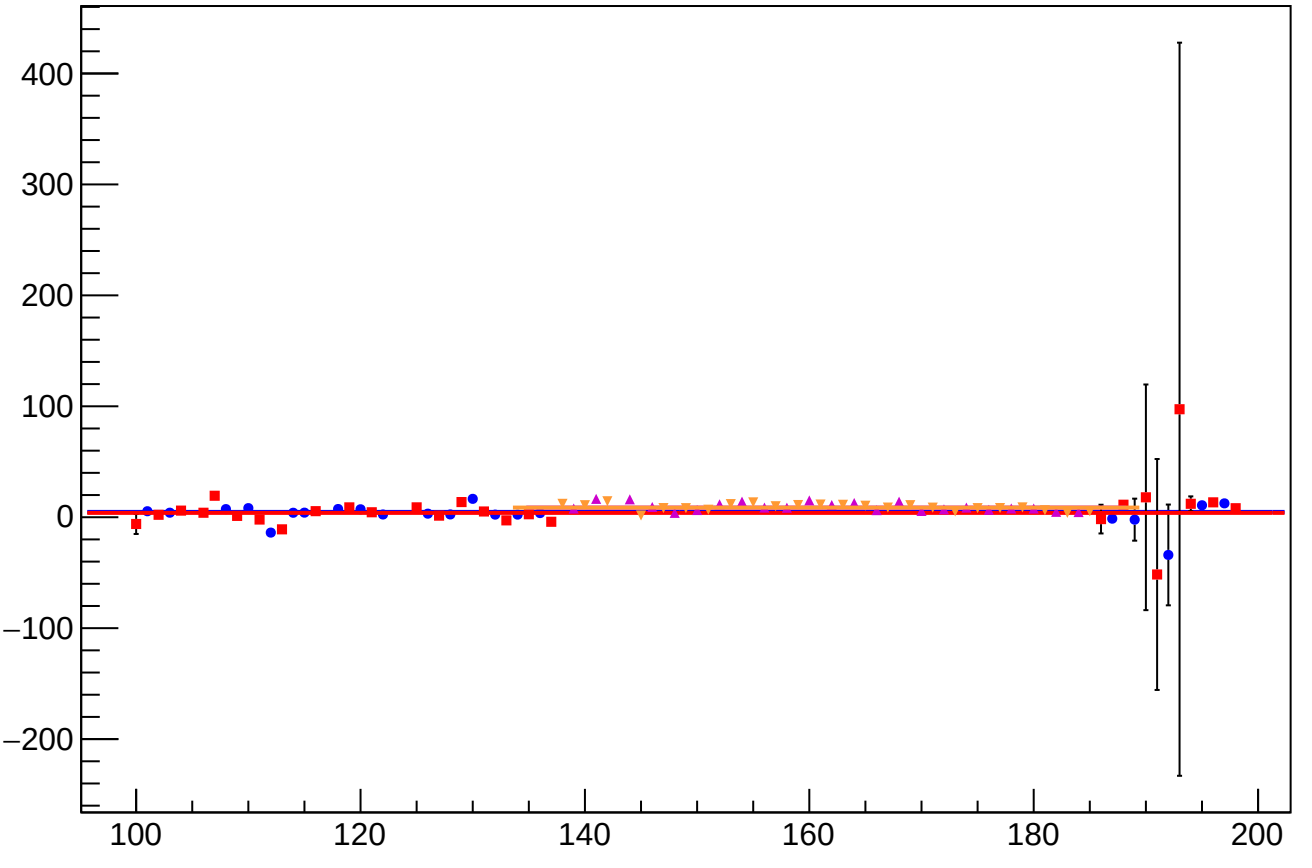
Left: 6.700+/-0.135 χ^2/NDF: 2322.3/46

Right: 26.080+/-0.272 χ^2/NDF: 4894.7/46

In: 10.224+/-0.171 χ^2/NDF:5062.5/43

Out: 10.834+/-0.171 χ^2/NDF:6222.4/49

All: 10.530+/-0.121 χ^2/NDF: 11291.2/93



Right In: 4.794+/-0.253 χ^2/NDF: 556.5/20

Left Out: 8.695+/-0.169 χ^2/NDF:241.0/23

Right Out: 3.925+/-0.256 χ^2/NDF: 581.5/25

Left In: 8.668+/-0.170 χ^2/NDF:436.7/22

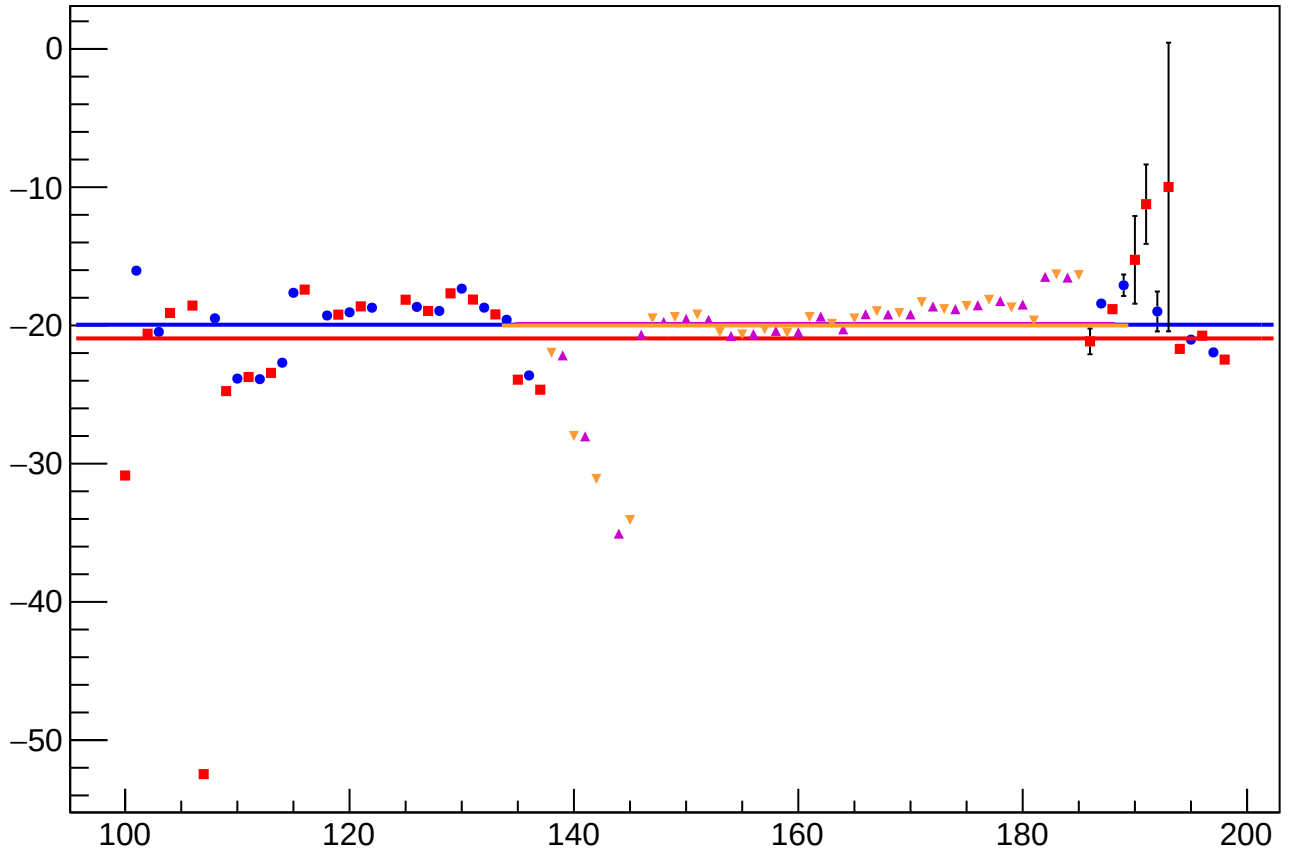
Left: 8.681+/-0.120 χ^2/NDF: 677.7/46

Right: 4.366+/-0.180 χ^2/NDF: 1143.9/46

In: 7.460+/-0.141 χ^2/NDF:1154.8/43

Out: 7.251+/-0.141 χ^2/NDF:1063.6/49

All: 7.356+/-0.100 χ^2/NDF: 2219.6/93



Right In: -19.949+/-0.015 χ^2/NDF: 26443.2/20

Left Out: -20.006+/-0.008 χ^2/NDF:171763.9/23

Right Out: -20.939+/-0.015 χ^2/NDF: 94410.9/25

Left In: -19.898+/-0.008 χ^2/NDF:144191.9/22

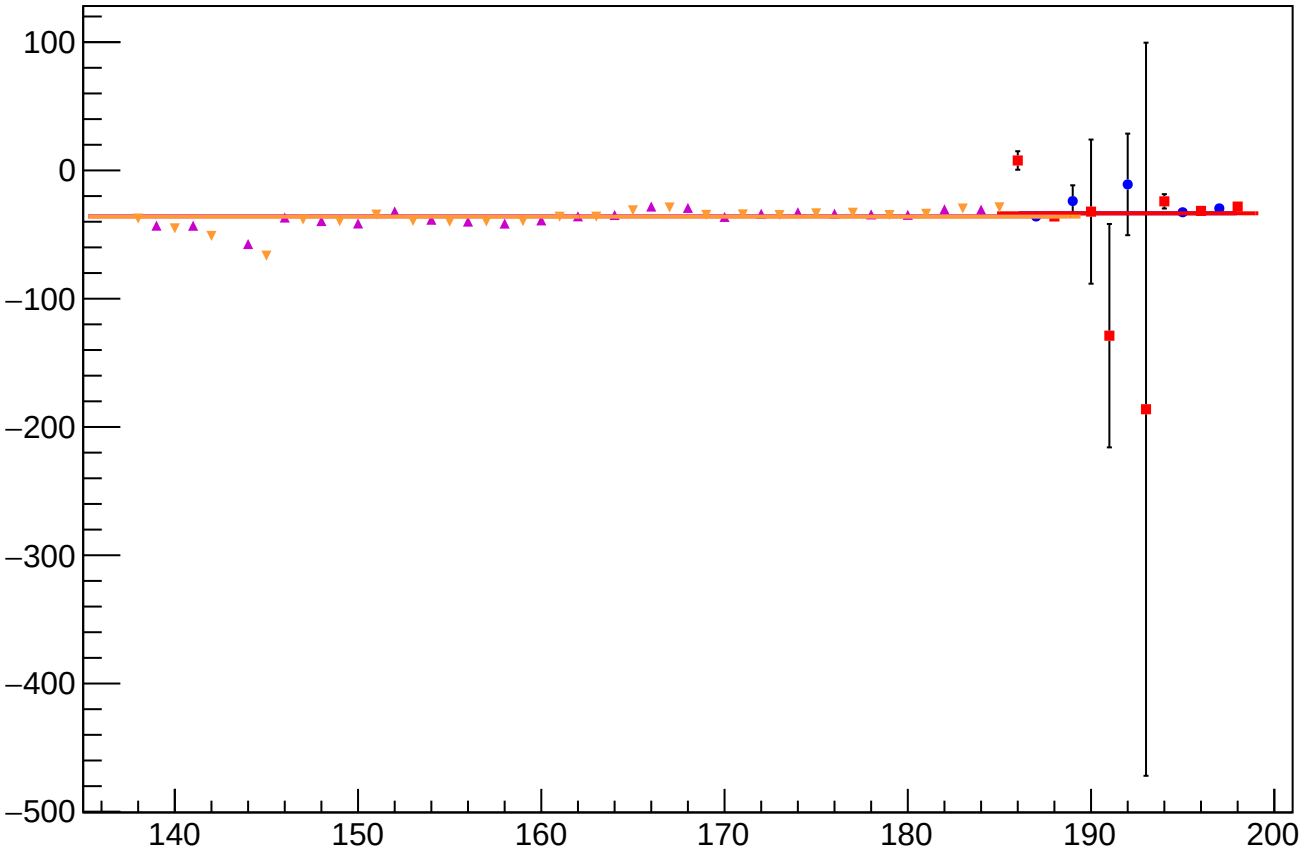
Left: -19.951+/-0.006 χ^2/NDF: 316049.4/46

Right: -20.445+/-0.011 χ^2/NDF: 122937.9/46

In: -19.908+/-0.007 χ^2/NDF:170643.8/43

Out: -20.201+/-0.007 χ^2/NDF:269106.6/49

All: -20.054+/-0.005 χ^2/NDF: 440624.8/93



Right In: -33.414+/-1.338 χ^2/NDF: 4.8/4

Left Out: -36.031+/-0.192 χ^2/NDF:1121.3/23

Right Out: -33.424+/-1.012 χ^2/NDF: 44.2/7

Left In: -35.766+/-0.191 χ^2/NDF:842.6/22

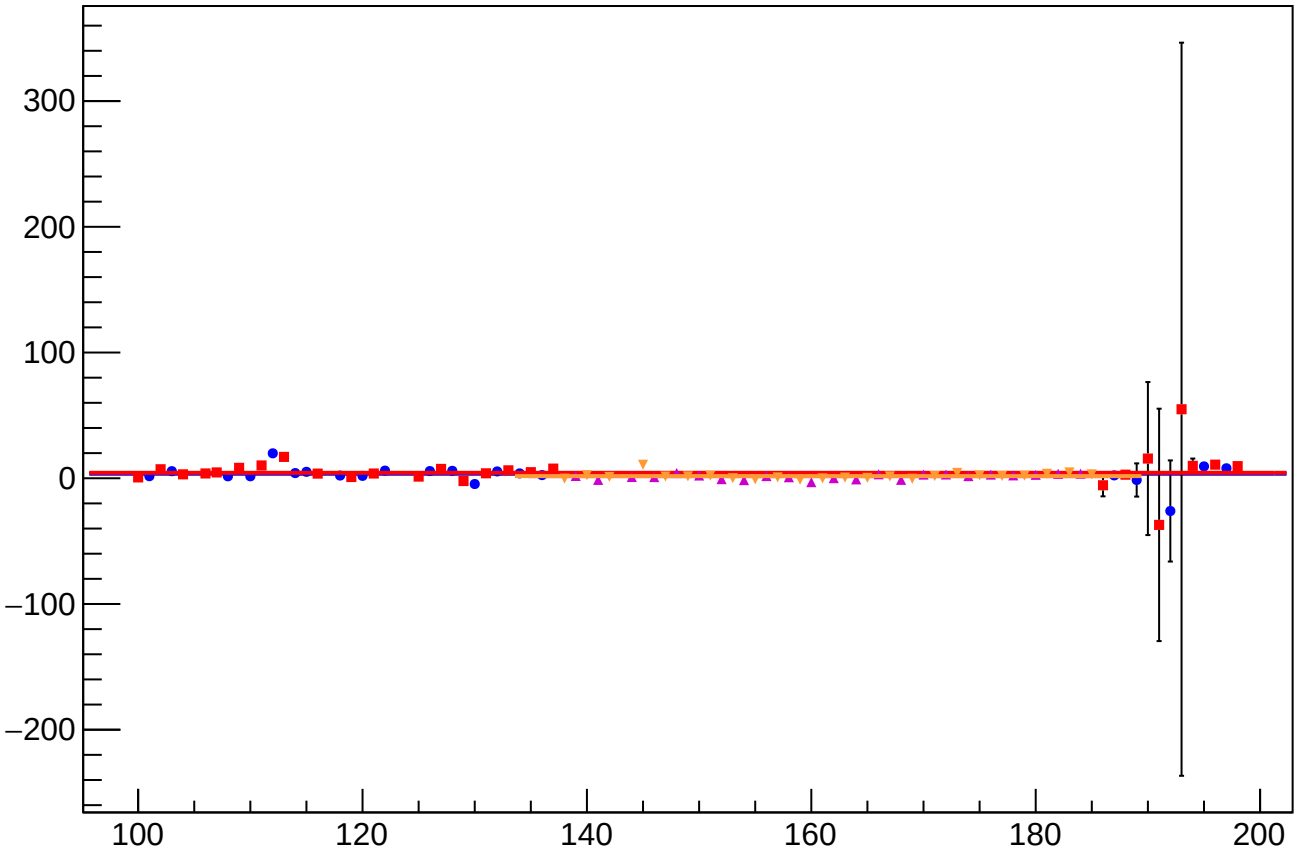
Left: -35.898+/-0.135 χ^2/NDF: 1964.8/46

Right: -33.421+/-0.807 χ^2/NDF: 48.9/12

In: -35.719+/-0.189 χ^2/NDF:850.4/27

Out: -35.940+/-0.188 χ^2/NDF:1171.8/31

All: -35.830+/-0.134 χ^2/NDF: 2022.9/59



Right In: 3.602+/-0.219 χ^2/NDF: 443.6/20

Left Out: 1.724+/-0.148 χ^2/NDF:168.2/23

Right Out: 4.341+/-0.219 χ^2/NDF: 361.7/25

Left In: 1.705+/-0.149 χ^2/NDF:163.0/22

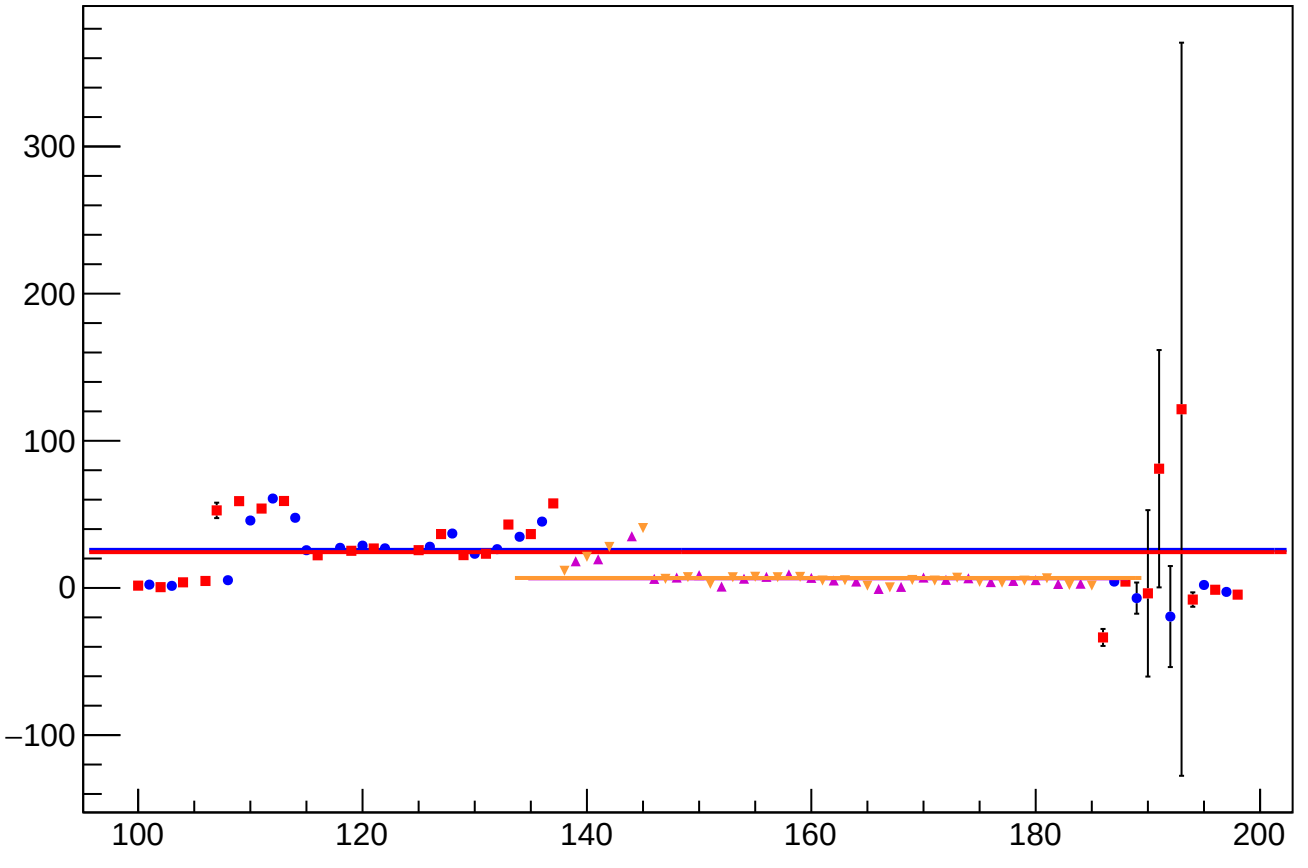
Left: 1.714+/-0.105 χ^2/NDF: 331.1/46

Right: 3.972+/-0.155 χ^2/NDF: 811.0/46

In: 2.308+/-0.123 χ^2/NDF:657.8/43

Out: 2.544+/-0.122 χ^2/NDF:628.3/49

All: 2.427+/-0.087 χ^2/NDF: 1287.9/93



Right In: 25.885+/-0.393 χ^2/NDF: 2025.6/20

Left Out: 6.779+/-0.191 χ^2/NDF:1297.7/23

Right Out: 24.338+/-0.362 χ^2/NDF: 3105.4/25

Left In: 6.532+/-0.190 χ^2/NDF:1018.2/22

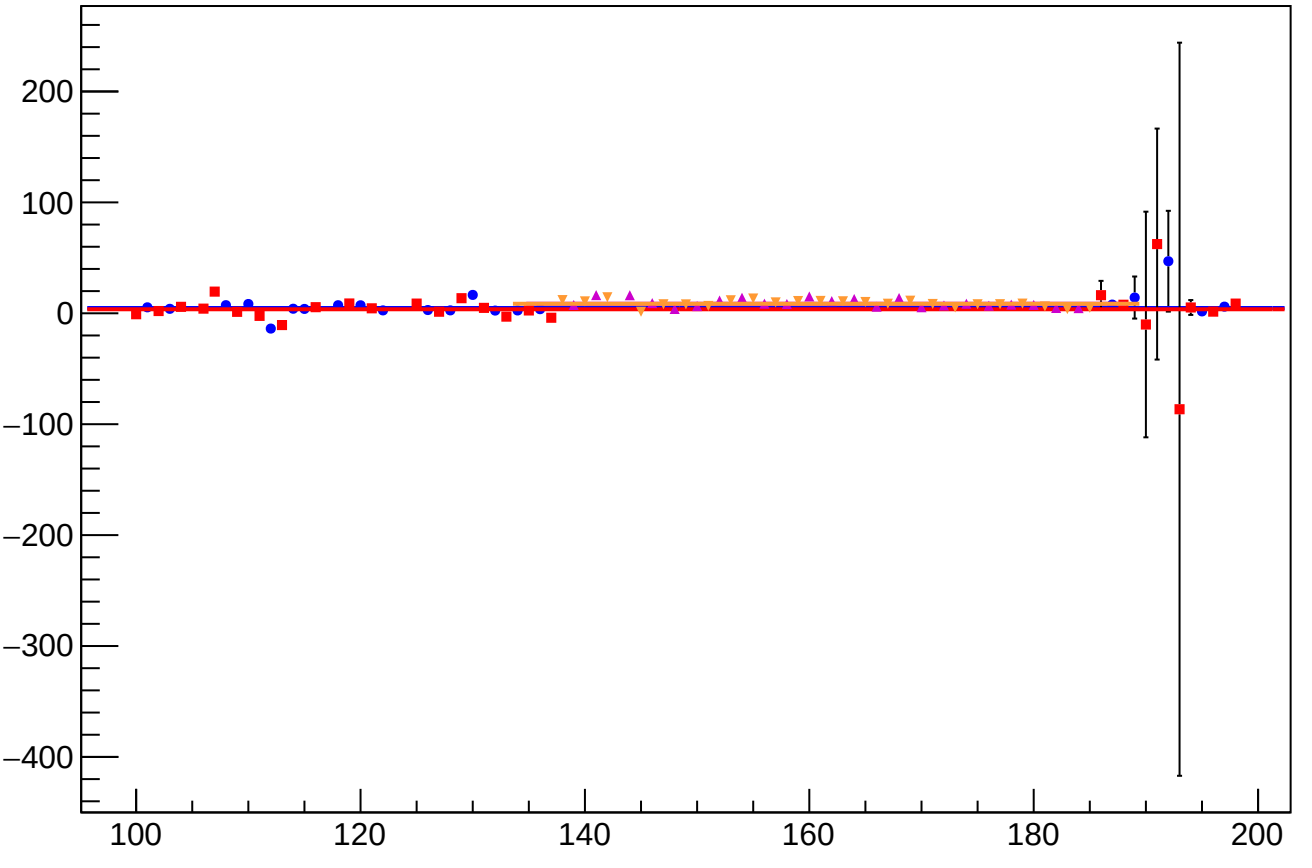
Left: 6.655+/-0.135 χ^2/NDF: 2316.7/46

Right: 25.049+/-0.266 χ^2/NDF: 5139.4/46

In: 10.209+/-0.171 χ^2/NDF:5009.3/43

Out: 10.606+/-0.169 χ^2/NDF:6239.4/49

All: 10.410+/-0.120 χ^2/NDF: 11251.4/93



Right In: 4.755+/-0.253 χ^2/NDF: 545.4/20

Left Out: 8.585+/-0.169 χ^2/NDF:245.5/23

Right Out: 3.627+/-0.252 χ^2/NDF: 576.0/25

Left In: 8.585+/-0.170 χ^2/NDF:441.8/22

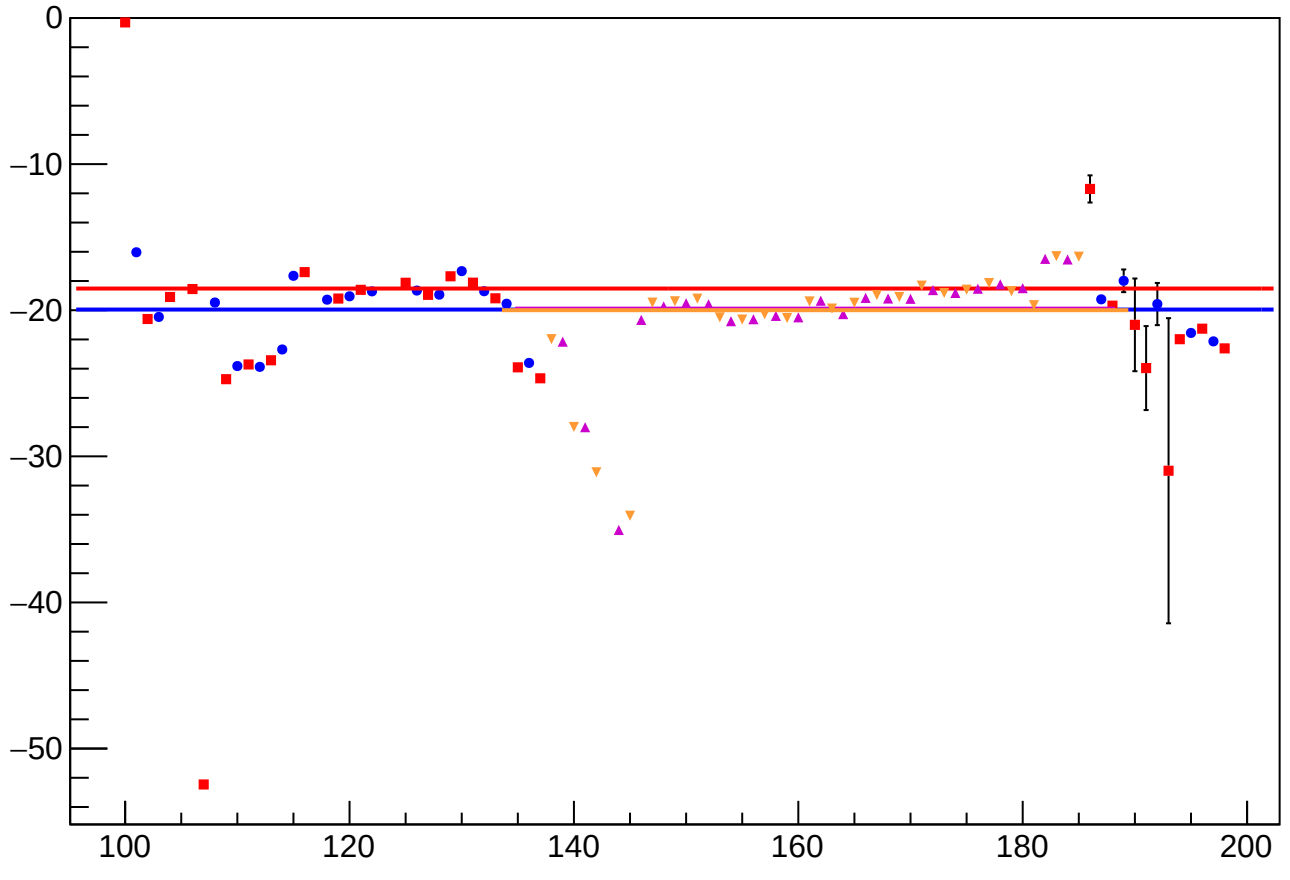
Left: 8.585+/-0.120 χ^2/NDF: 687.3/46

Right: 4.189+/-0.179 χ^2/NDF: 1131.4/46

In: 7.391+/-0.141 χ^2/NDF:1145.4/43

Out: 7.050+/-0.140 χ^2/NDF:1088.4/49

All: 7.220+/-0.099 χ^2/NDF: 2236.7/93



Right In: -19.953+/-0.015 χ^2/NDF: 26563.3/20

Left Out: -19.998+/-0.008 χ^2/NDF:171944.6/23

Right Out: -18.515+/-0.014 χ^2/NDF: 303277.4/25

Left In: -19.890+/-0.008 χ^2/NDF:144055.2/22

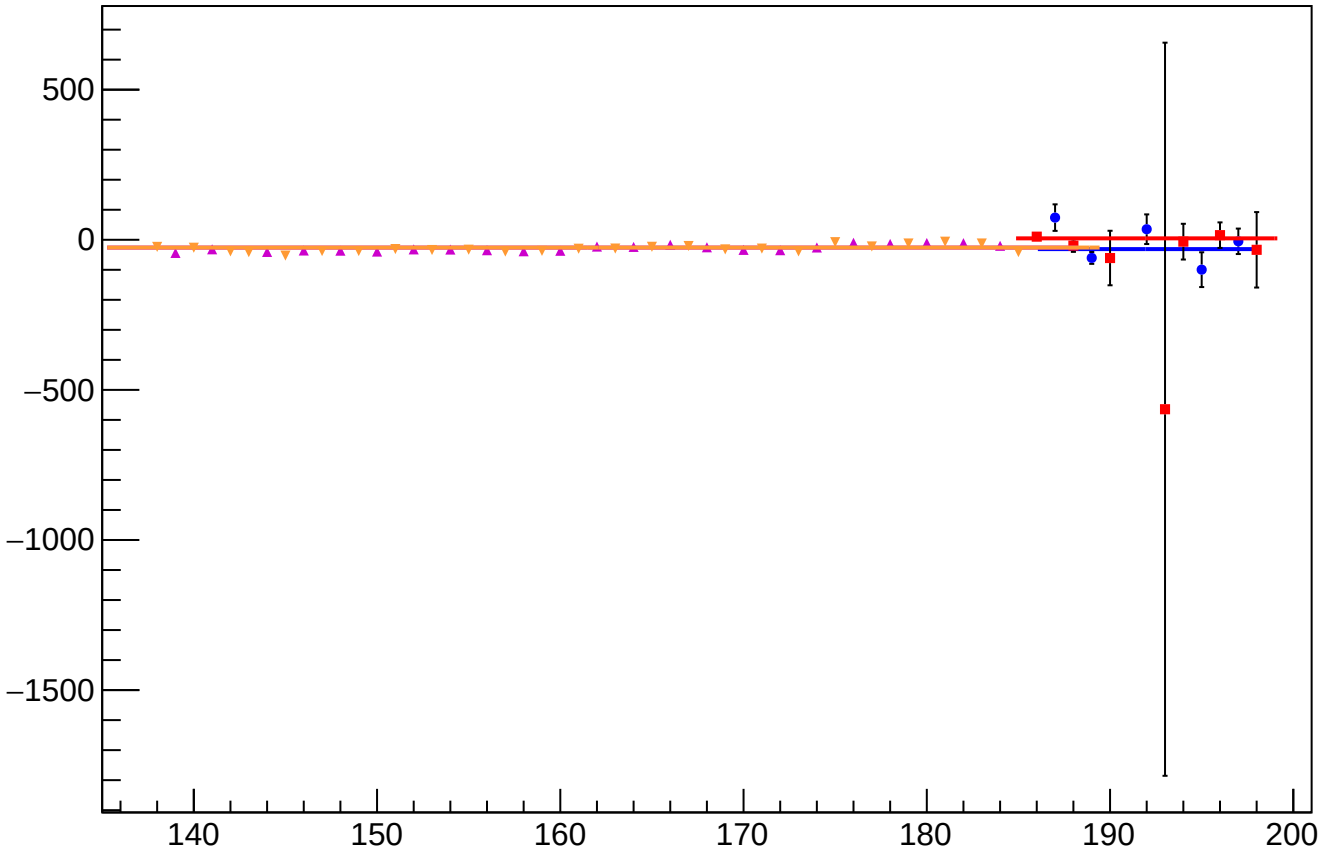
Left: -19.944+/-0.006 χ^2/NDF: 316093.4/46

Right: -19.190+/-0.011 χ^2/NDF: 334501.2/46

In: -19.903+/-0.007 χ^2/NDF:170632.0/43

Out: -19.657+/-0.007 χ^2/NDF:483351.2/49

All: -19.779+/-0.005 χ^2/NDF: 654613.2/93



Right In: -31.047+/-15.198 χ^2/NDF: 11.4/4

Left Out: -25.884+/-0.192 χ^2/NDF:4158.0/24

Right Out: 4.735+/-8.297 χ^2/NDF: 2.6/6

Left In: -26.052+/-0.195 χ^2/NDF:3279.5/22

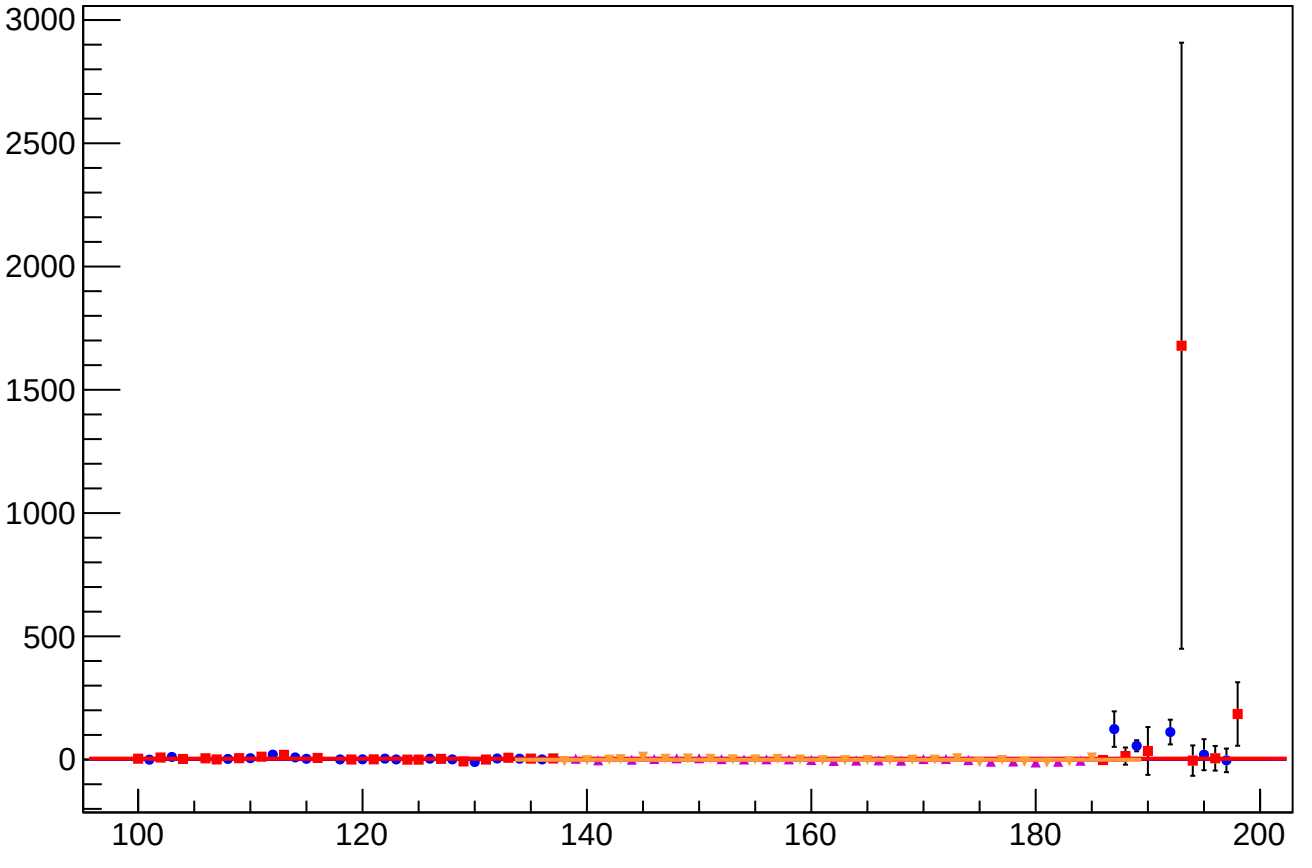
Left: -25.967+/-0.137 χ^2/NDF: 7437.8/47

Right: -3.481+/-7.283 χ^2/NDF: 18.3/11

In: -26.053+/-0.195 χ^2/NDF:3291.0/27

Out: -25.868+/-0.192 χ^2/NDF:4174.2/31

All: -25.959+/-0.137 χ^2/NDF: 7465.7/59



Right In: 2.472+/-0.315 χ^2/NDF: 307.7/21

Left Out: -0.654+/-0.146 χ^2/NDF:1320.8/24

Right Out: 3.712+/-0.327 χ^2/NDF: 273.4/25

Left In: -0.863+/-0.150 χ^2/NDF:1066.5/22

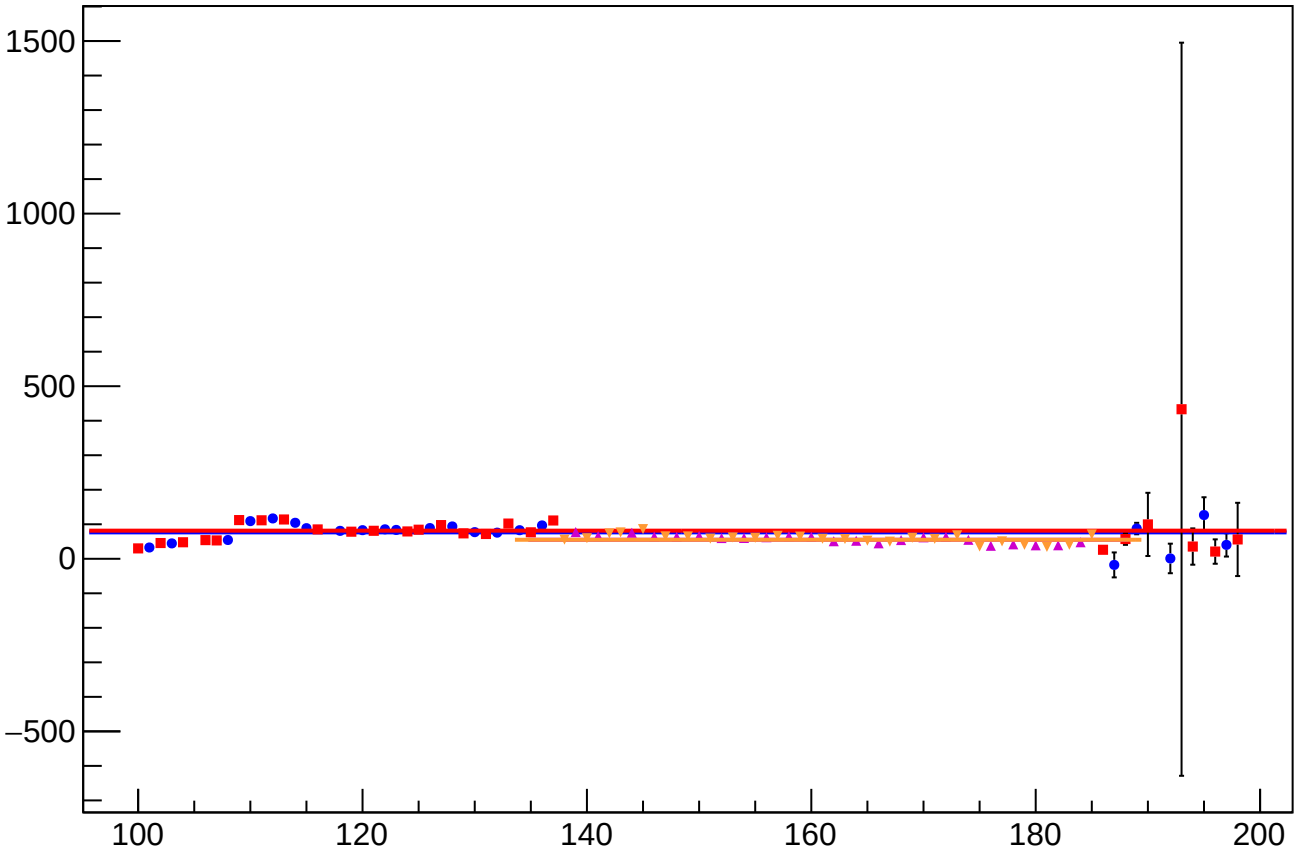
Left: -0.756+/-0.105 χ^2/NDF: 2388.3/47

Right: 3.069+/-0.227 χ^2/NDF: 588.5/47

In: -0.243+/-0.136 χ^2/NDF:1465.6/44

Out: 0.075+/-0.133 χ^2/NDF:1743.1/50

All: -0.082+/-0.095 χ^2/NDF: 3211.4/95



Right In: 76.526+/-0.576 χ^2/NDF: 2265.2/21

Left Out: 55.098+/-0.191 χ^2/NDF:4579.3/24

Right Out: 81.495+/-0.591 χ^2/NDF: 1630.5/25

Left In: 55.070+/-0.193 χ^2/NDF:3702.8/22

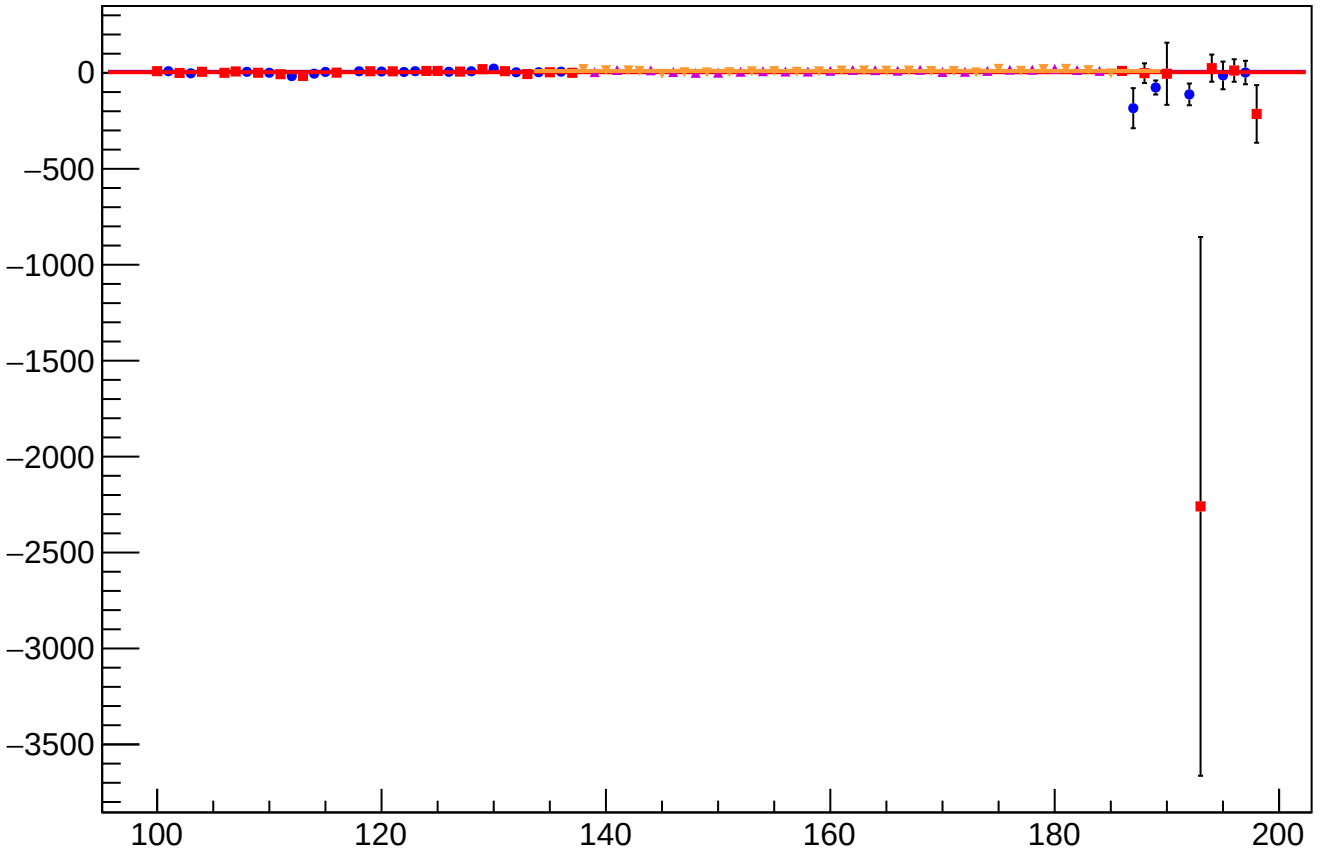
Left: 55.084+/-0.136 χ^2/NDF: 8282.1/47

Right: 78.950+/-0.412 χ^2/NDF: 3932.0/47

In: 57.243+/-0.183 χ^2/NDF:7213.6/44

Out: 57.609+/-0.182 χ^2/NDF:8017.6/50

All: 57.427+/-0.129 χ^2/NDF: 15233.3/95



Right In: 5.412+/-0.361 χ^2/NDF: 398.3/21

Left Out: 9.737+/-0.168 χ^2/NDF:1450.2/24

Right Out: 3.584+/-0.375 χ^2/NDF: 426.6/25

Left In: 9.803+/-0.172 χ^2/NDF:1158.7/22

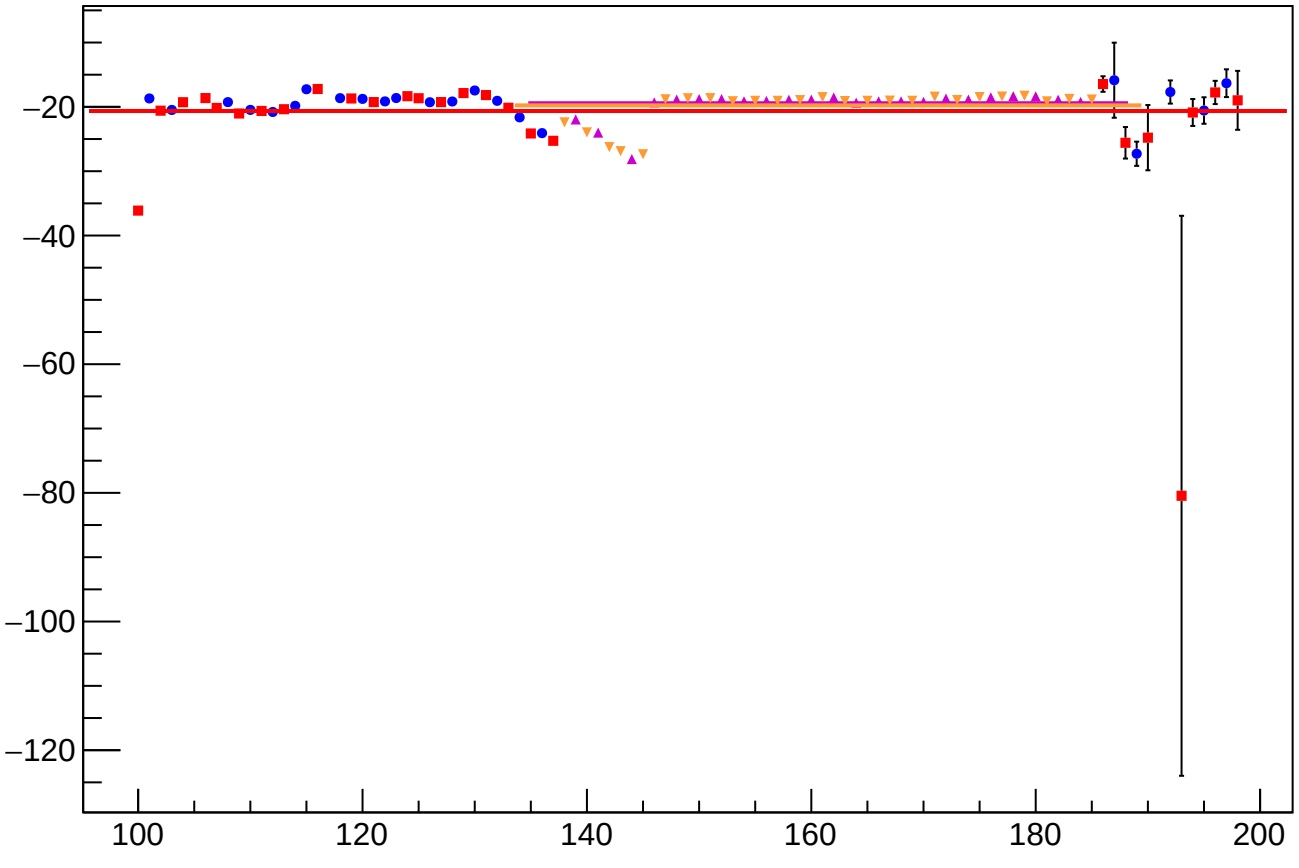
Left: 9.769+/-0.120 χ^2/NDF: 2609.0/47

Right: 4.535+/-0.260 χ^2/NDF: 837.2/47

In: 8.993+/-0.155 χ^2/NDF:1677.7/44

Out: 8.713+/-0.153 χ^2/NDF:2100.6/50

All: 8.851+/-0.109 χ^2/NDF: 3780.0/95



Right In: -20.644+/-0.019 χ^2/NDF: 12444.0/21

Left Out: -19.767+/-0.008 χ^2/NDF:91617.3/24

Right Out: -20.639+/-0.019 χ^2/NDF: 13807.2/25

Left In: -19.435+/-0.008 χ^2/NDF:53170.9/22

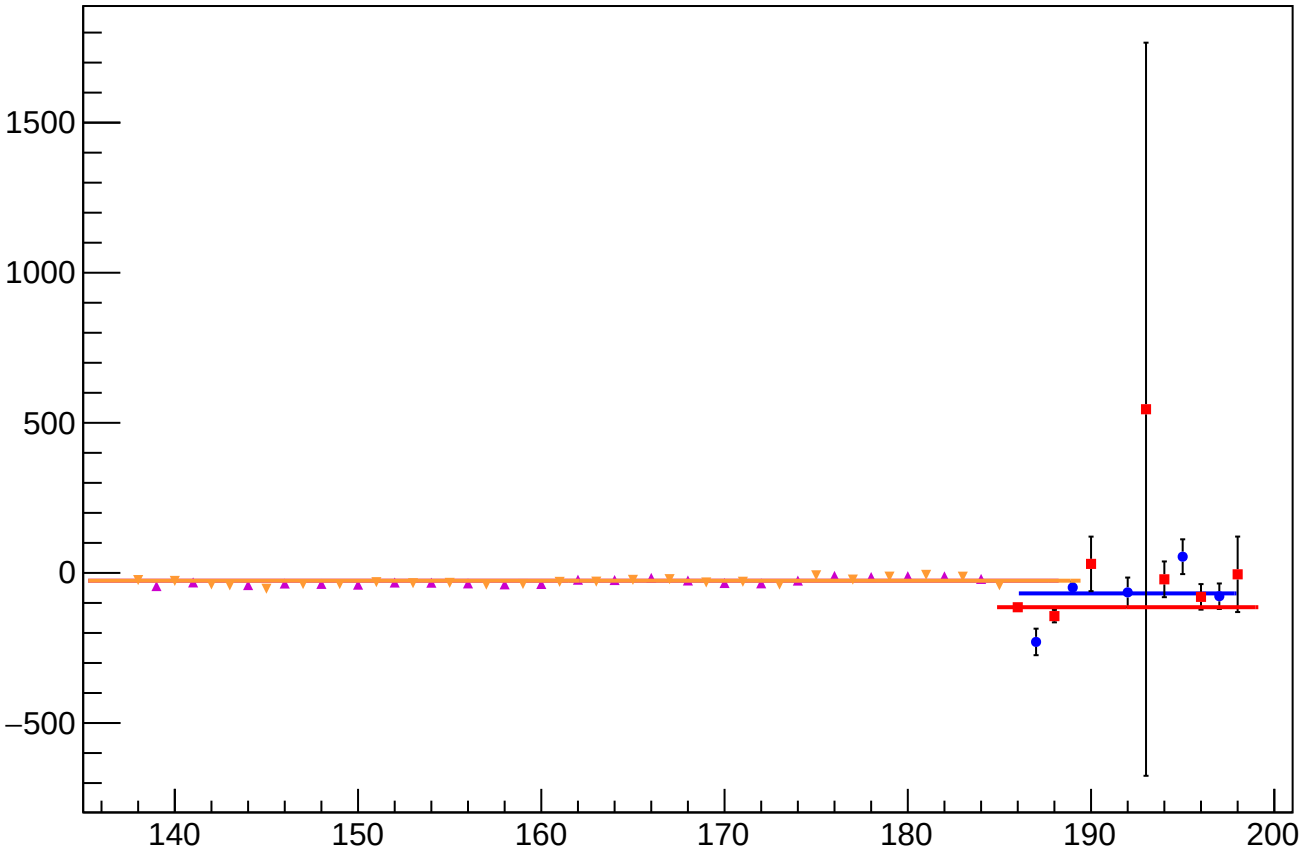
Left: -19.603+/-0.006 χ^2/NDF: 145665.0/47

Right: -20.641+/-0.014 χ^2/NDF: 26251.3/47

In: -19.610+/-0.007 χ^2/NDF:68952.3/44

Out: -19.890+/-0.007 χ^2/NDF:107147.7/50

All: -19.751+/-0.005 χ^2/NDF: 176828.8/95



Right In: -68.226+/-15.210 χ^2/NDF: 18.9/4

Left Out: -25.899+/-0.192 χ^2/NDF:4127.5/24

Right Out: -114.173+/-8.303 χ^2/NDF: 8.7/6

Left In: -26.046+/-0.195 χ^2/NDF:3246.7/22

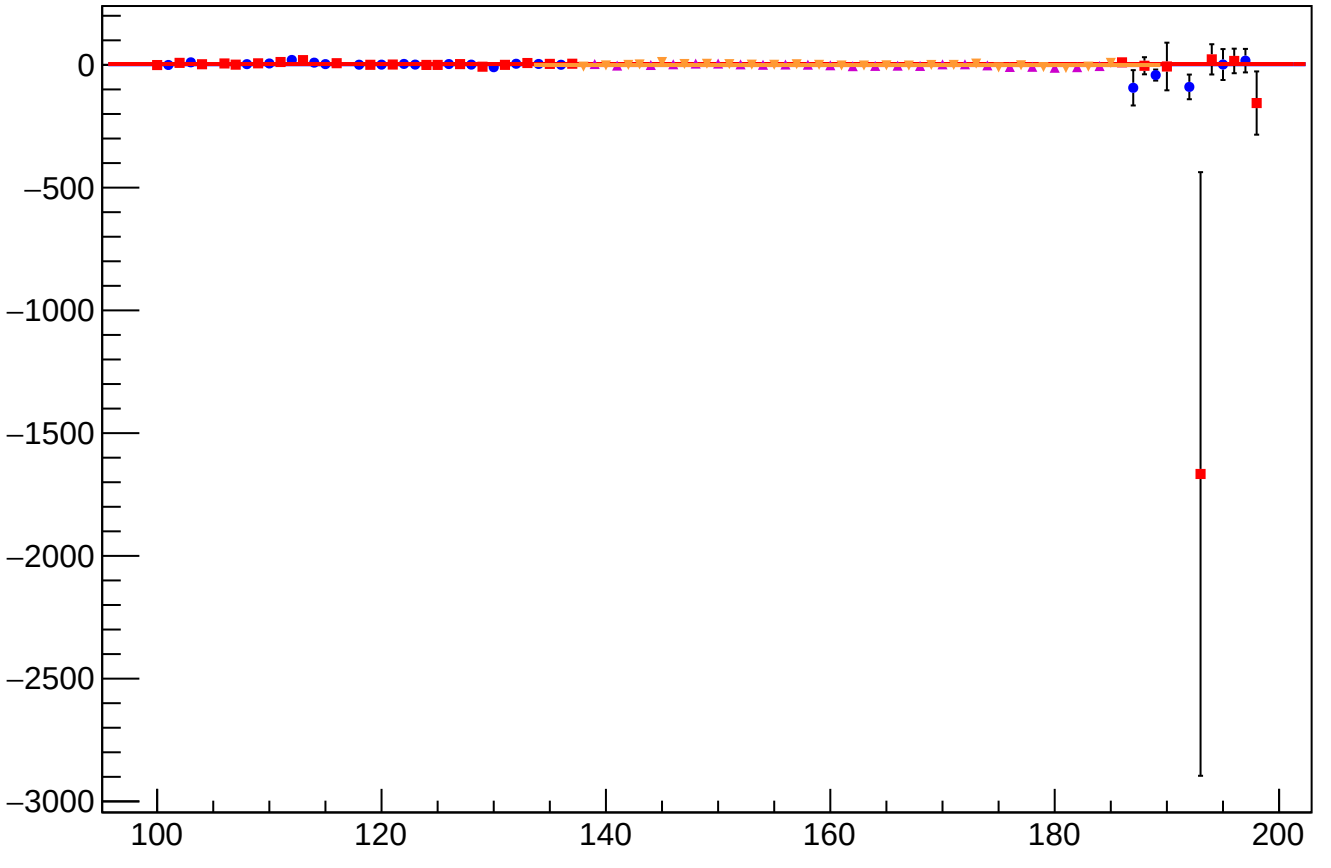
Left: -25.971+/-0.137 χ^2/NDF: 7374.6/47

Right: -103.625+/-7.288 χ^2/NDF: 34.6/11

In: -26.053+/-0.195 χ^2/NDF:3273.3/27

Out: -25.946+/-0.192 χ^2/NDF:4249.2/31

All: -25.999+/-0.137 χ^2/NDF: 7522.7/59



Right In: 2.442+/-0.315 χ^2/NDF: 301.4/21

Left Out: -0.596+/-0.146 χ^2/NDF:1310.7/24

Right Out: 3.596+/-0.318 χ^2/NDF: 284.0/25

Left In: -0.795+/-0.151 χ^2/NDF:1106.3/22

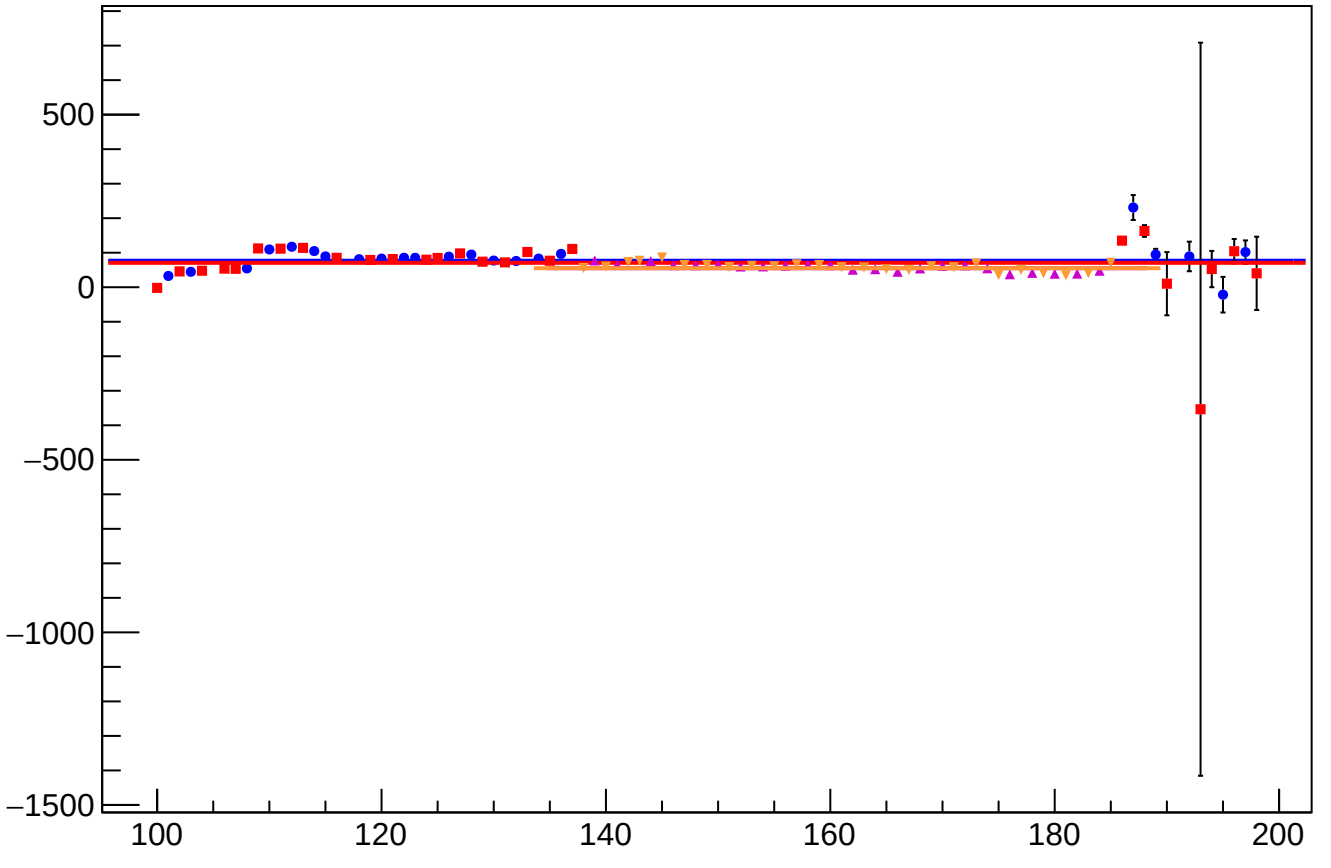
Left: -0.693+/-0.105 χ^2/NDF: 2417.9/47

Right: 3.013+/-0.224 χ^2/NDF: 592.0/47

In: -0.193+/-0.136 χ^2/NDF:1493.6/44

Out: 0.136+/-0.133 χ^2/NDF:1738.1/50

All: -0.025+/-0.095 χ^2/NDF: 3234.8/95



Right In: 76.733+/-0.577 χ^2/NDF: 2288.5/21

Left Out: 55.111+/-0.192 χ^2/NDF:4560.2/24

Right Out: 70.755+/-0.549 χ^2/NDF: 4490.8/25

Left In: 55.094+/-0.194 χ^2/NDF:3664.6/22

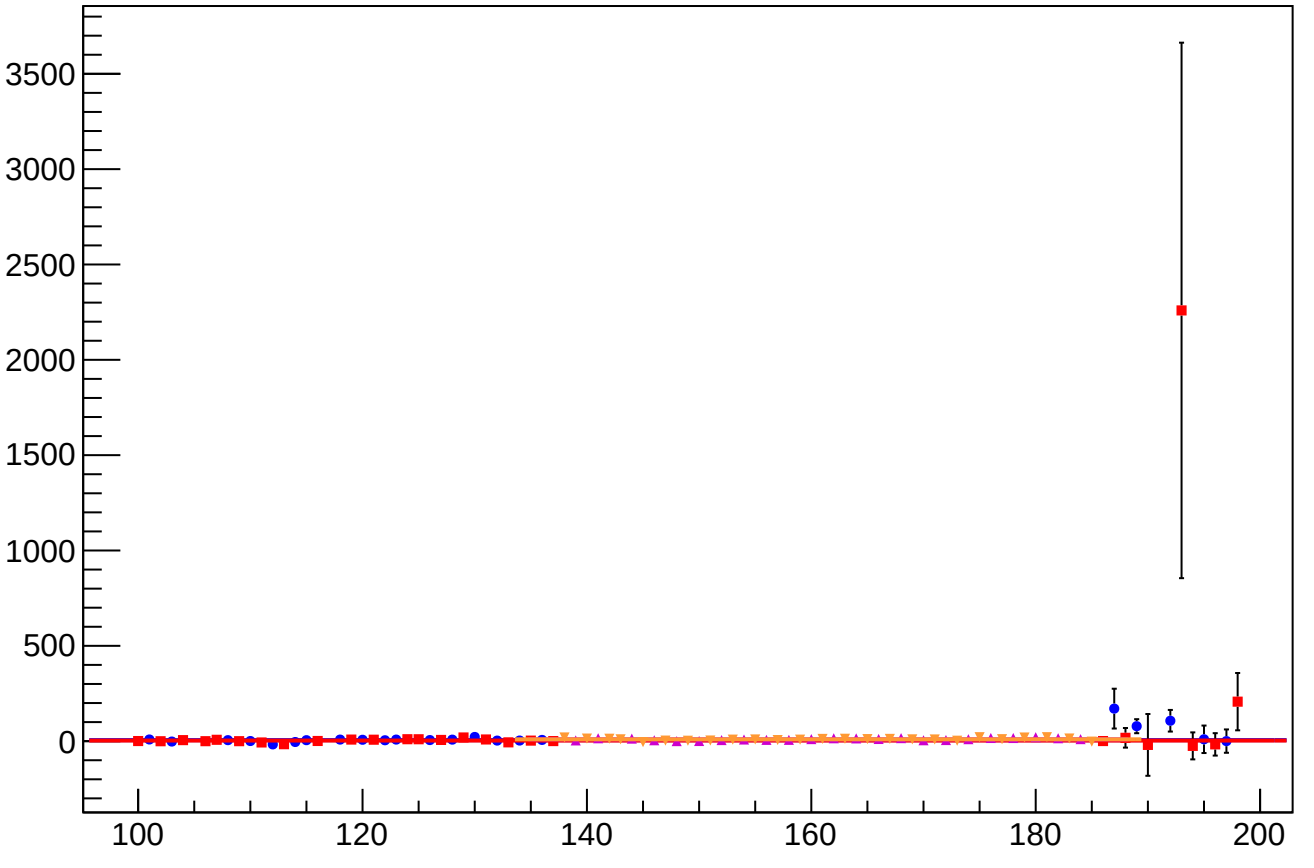
Left: 55.103+/-0.136 χ^2/NDF: 8224.8/47

Right: 73.595+/-0.397 χ^2/NDF: 6835.7/47

In: 57.286+/-0.184 χ^2/NDF:7218.6/44

Out: 56.811+/-0.181 χ^2/NDF:9775.6/50

All: 57.045+/-0.129 χ^2/NDF: 16997.6/95



Right In: 5.441+/-0.361 χ^2/NDF: 393.9/21

Left Out: 9.675+/-0.168 χ^2/NDF:1441.3/24

Right Out: 3.279+/-0.365 χ^2/NDF: 429.9/25

Left In: 9.738+/-0.172 χ^2/NDF:1191.1/22

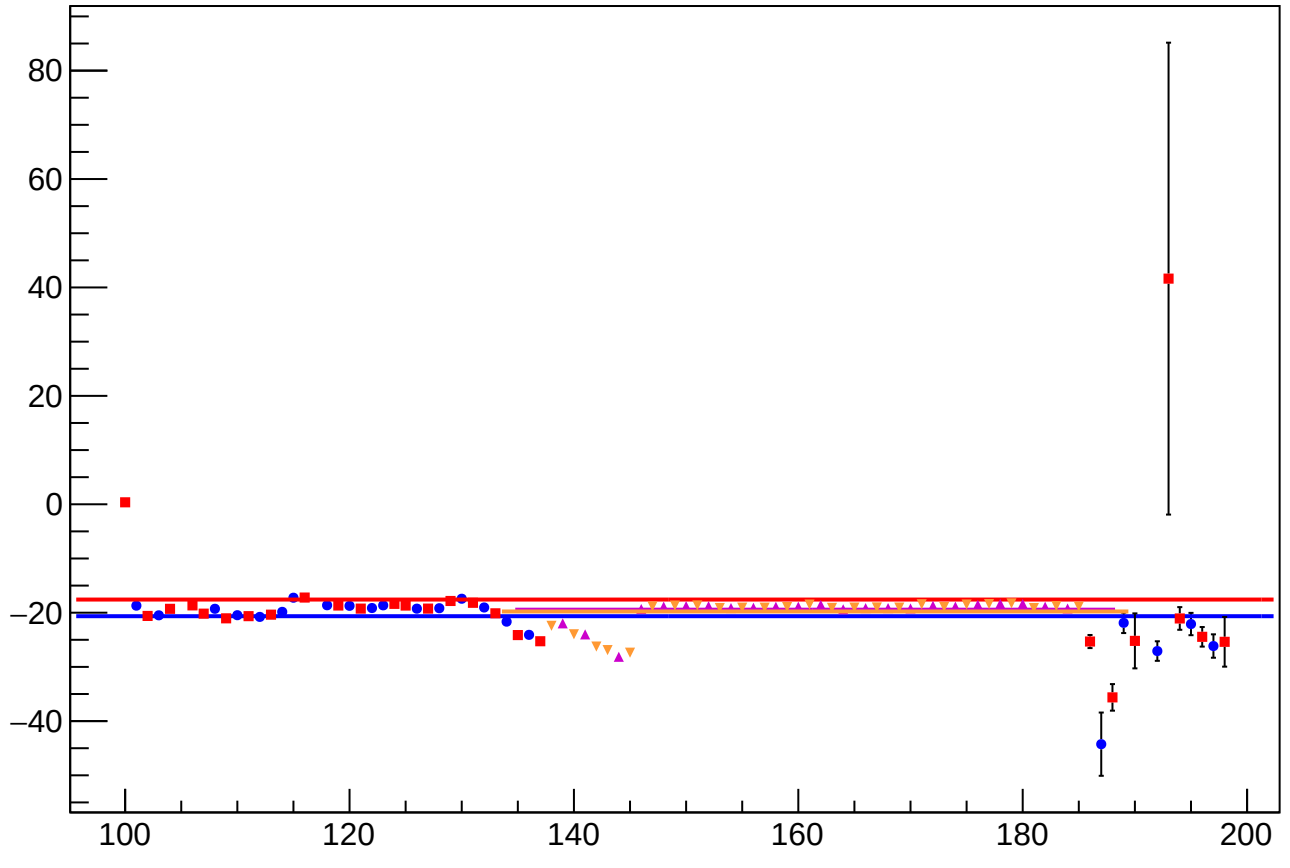
Left: 9.706+/-0.120 χ^2/NDF: 2632.6/47

Right: 4.373+/-0.257 χ^2/NDF: 841.4/47

In: 8.945+/-0.155 χ^2/NDF:1700.5/44

Out: 8.561+/-0.153 χ^2/NDF:2124.1/50

All: 8.750+/-0.109 χ^2/NDF: 3827.7/95



Right In: -20.647+/-0.019 χ^2/NDF: 12499.2/21

Left Out: -19.775+/-0.008 χ^2/NDF:91510.1/24

Right Out: -17.575+/-0.018 χ^2/NDF: 178437.7/25

Left In: -19.445+/-0.008 χ^2/NDF:53124.1/22

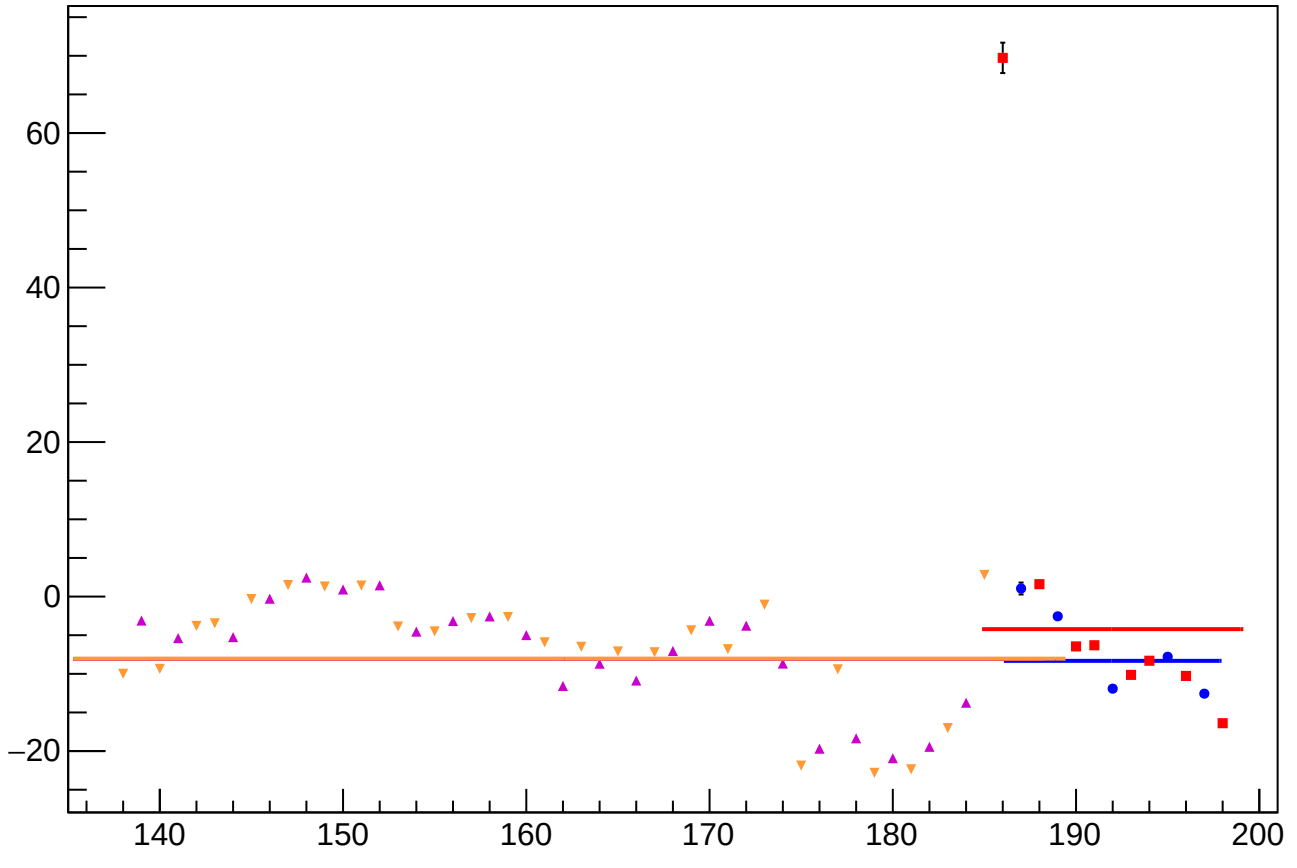
Left: -19.611+/-0.006 χ^2/NDF: 145502.5/47

Right: -19.003+/-0.013 χ^2/NDF: 204410.5/47

In: -19.618+/-0.007 χ^2/NDF:68921.8/44

Out: -19.422+/-0.007 χ^2/NDF:282427.6/50

All: -19.518+/-0.005 χ^2/NDF: 351712.7/95



Right In: -8.318+/-0.185 χ^2/NDF: 583.3/4

Left Out: -8.034+/-0.070 χ^2/NDF:12568.0/24

Right Out: -4.215+/-0.125 χ^2/NDF: 3749.6/7

Left In: -8.078+/-0.072 χ^2/NDF:10541.6/22

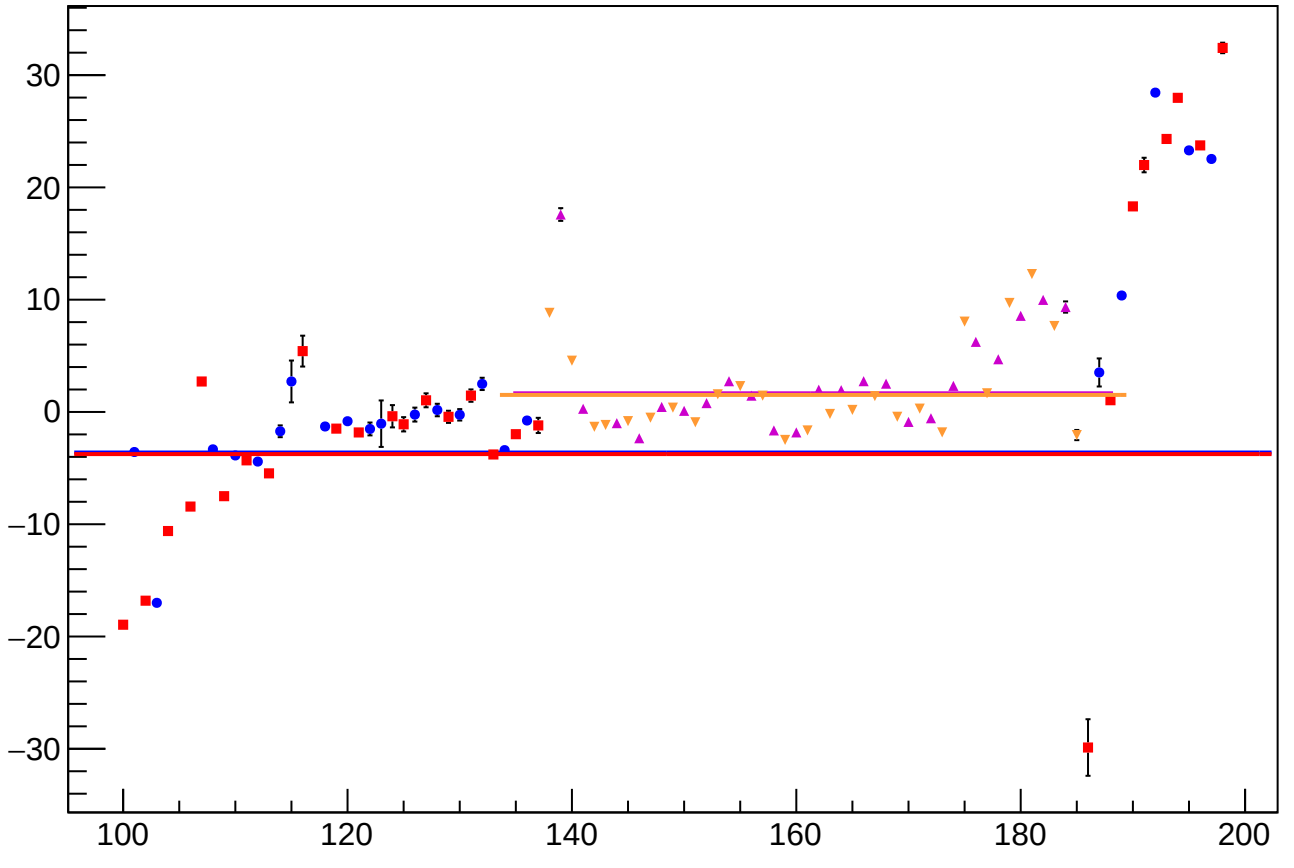
Left: -8.055+/-0.050 χ^2/NDF: 23109.8/47

Right: -5.497+/-0.103 χ^2/NDF: 4671.3/12

In: -8.109+/-0.067 χ^2/NDF:11126.3/27

Out: -7.113+/-0.061 χ^2/NDF:17029.4/32

All: -7.566+/-0.045 χ^2/NDF: 28276.1/60



Right In: -3.613+/-0.053 χ^2/NDF: 26453.1/21

Left Out: 1.518+/-0.054 χ^2/NDF:4847.5/24

Right Out: -3.753+/-0.055 χ^2/NDF: 41842.4/26

Left In: 1.662+/-0.057 χ^2/NDF:4034.2/22

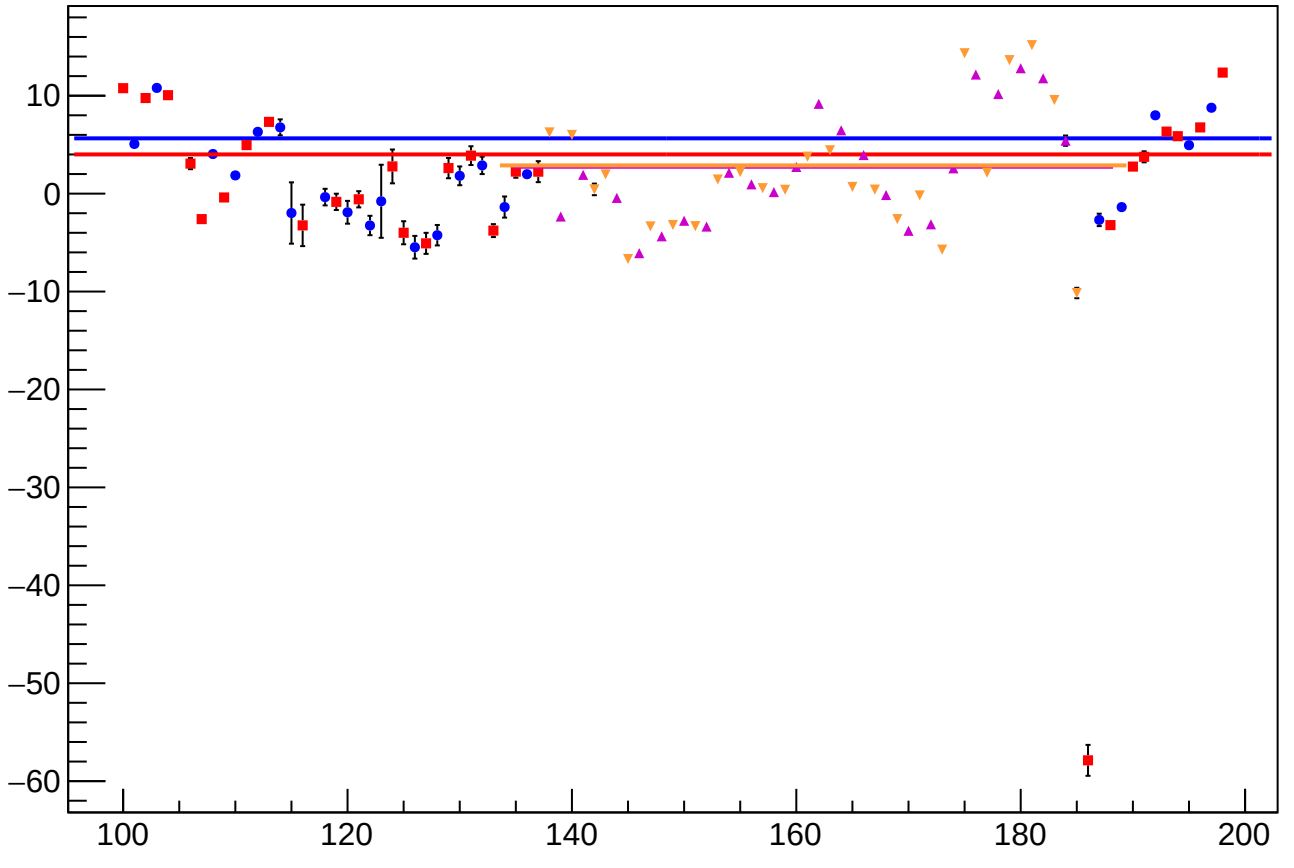
Left: 1.587+/-0.039 χ^2/NDF: 8885.0/47

Right: -3.680+/-0.038 χ^2/NDF: 68298.9/48

In: -1.149+/-0.039 χ^2/NDF:35120.8/44

Out: -1.089+/-0.039 χ^2/NDF:51340.4/51

All: -1.119+/-0.027 χ^2/NDF: 86462.5/96



Right In: 5.646+/-0.078 χ^2/NDF: 2146.9/21

Left Out: 2.884+/-0.070 χ^2/NDF:8893.2/24

Right Out: 4.005+/-0.070 χ^2/NDF: 7601.0/26

Left In: 2.745+/-0.071 χ^2/NDF:7183.1/22

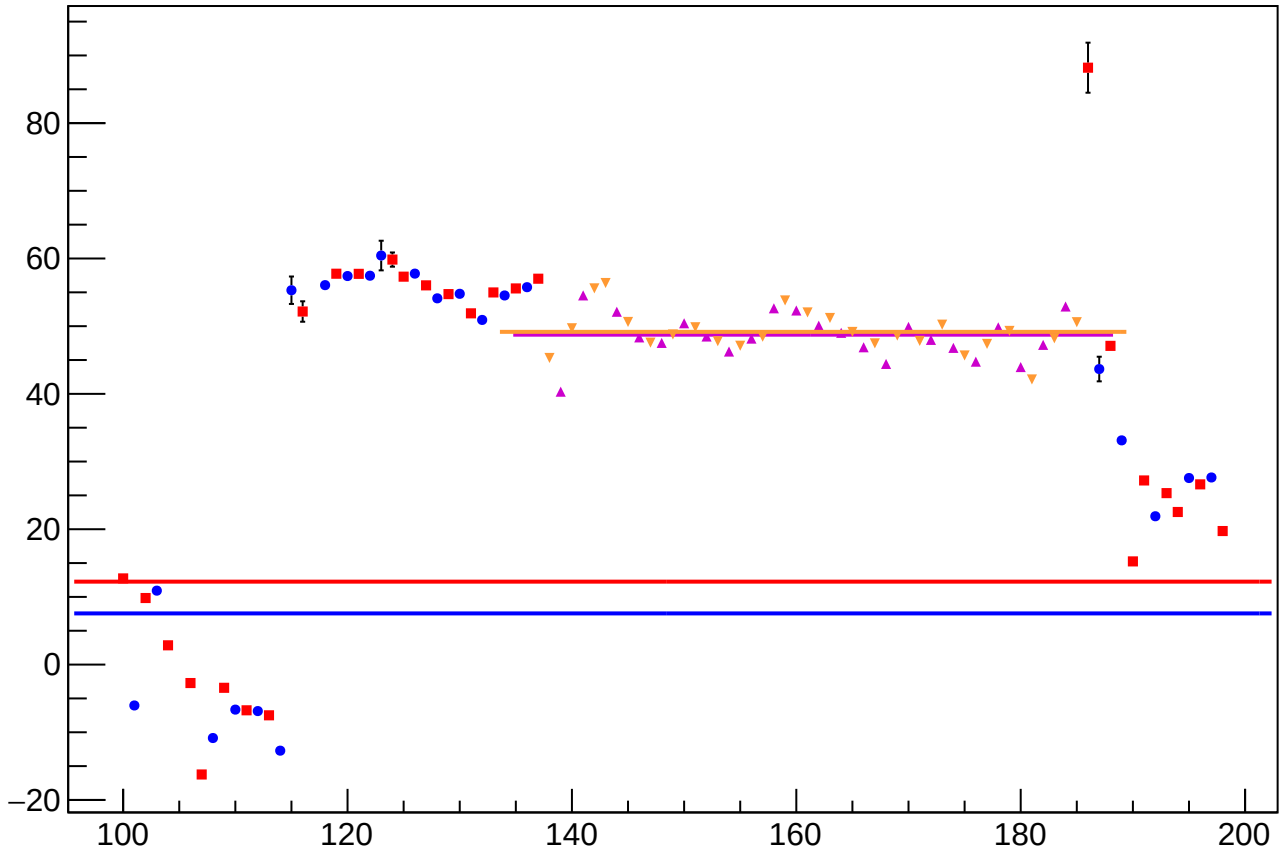
Left: 2.816+/-0.050 χ^2/NDF: 16078.2/47

Right: 4.736+/-0.052 χ^2/NDF: 9991.5/48

In: 4.064+/-0.053 χ^2/NDF:10078.9/44

Out: 3.445+/-0.050 χ^2/NDF:16621.6/51

All: 3.736+/-0.036 χ^2/NDF: 26773.3/96



Right In: 7.561+/-0.063 χ^2/NDF: 127534.5/21

Left Out: 49.163+/-0.062 χ^2/NDF:2259.9/24

Right Out: 12.255+/-0.066 χ^2/NDF: 133489.8/26

Left In: 48.744+/-0.064 χ^2/NDF:2097.7/22

Left: 48.960+/-0.044 χ^2/NDF: 4380.0/47

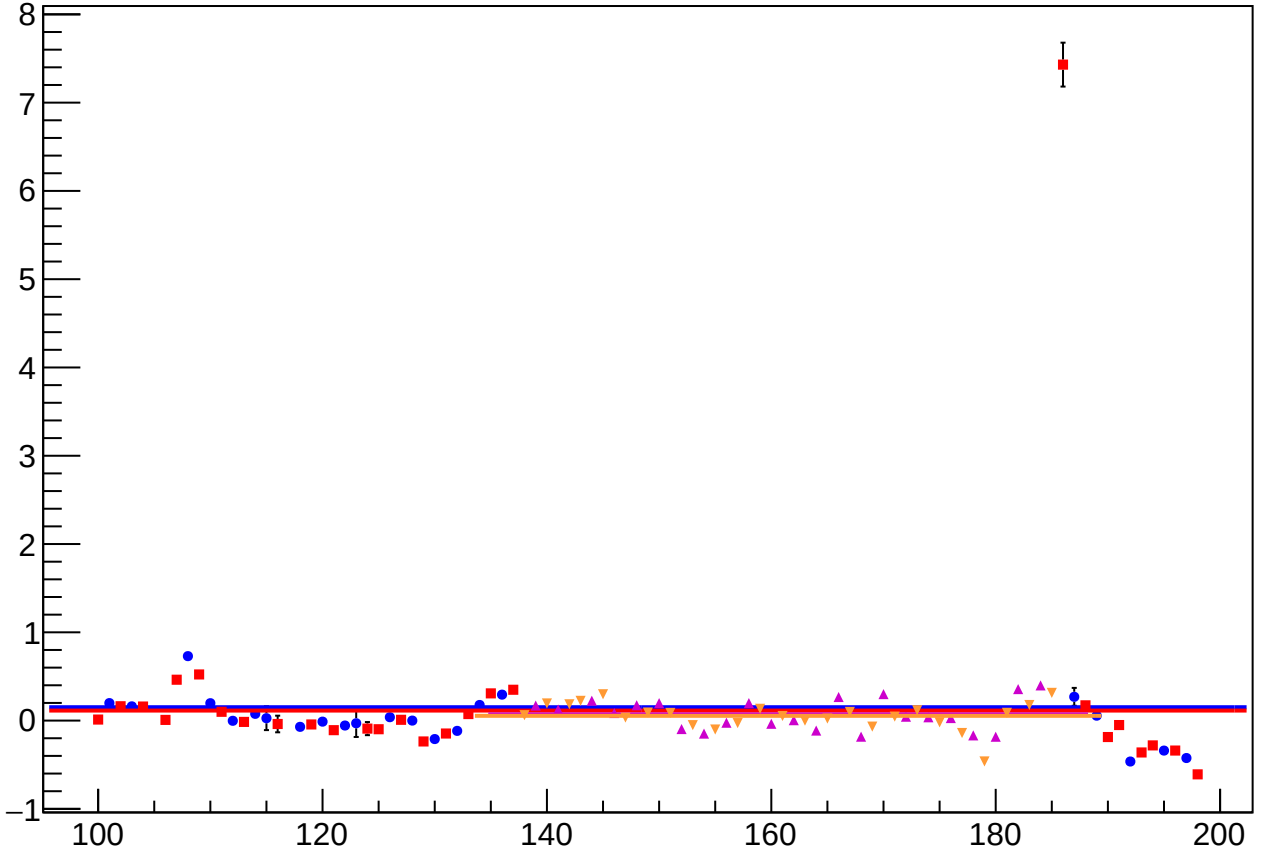
Right: 9.806+/-0.045 χ^2/NDF: 263702.3/48

In: 27.813+/-0.045 χ^2/NDF:341621.2/44

Out: 31.804+/-0.045 χ^2/NDF:303824.7/51

All: 29.799+/-0.032 χ^2/NDF: 649409.7/96

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.151+/-0.003 χ^2/NDF: 9089.1/21

Left Out: 0.054+/-0.003 χ^2/NDF:2379.8/24

Right Out: 0.114+/-0.002 χ^2/NDF: 9458.4/26

Left In: 0.070+/-0.003 χ^2/NDF:3233.8/22

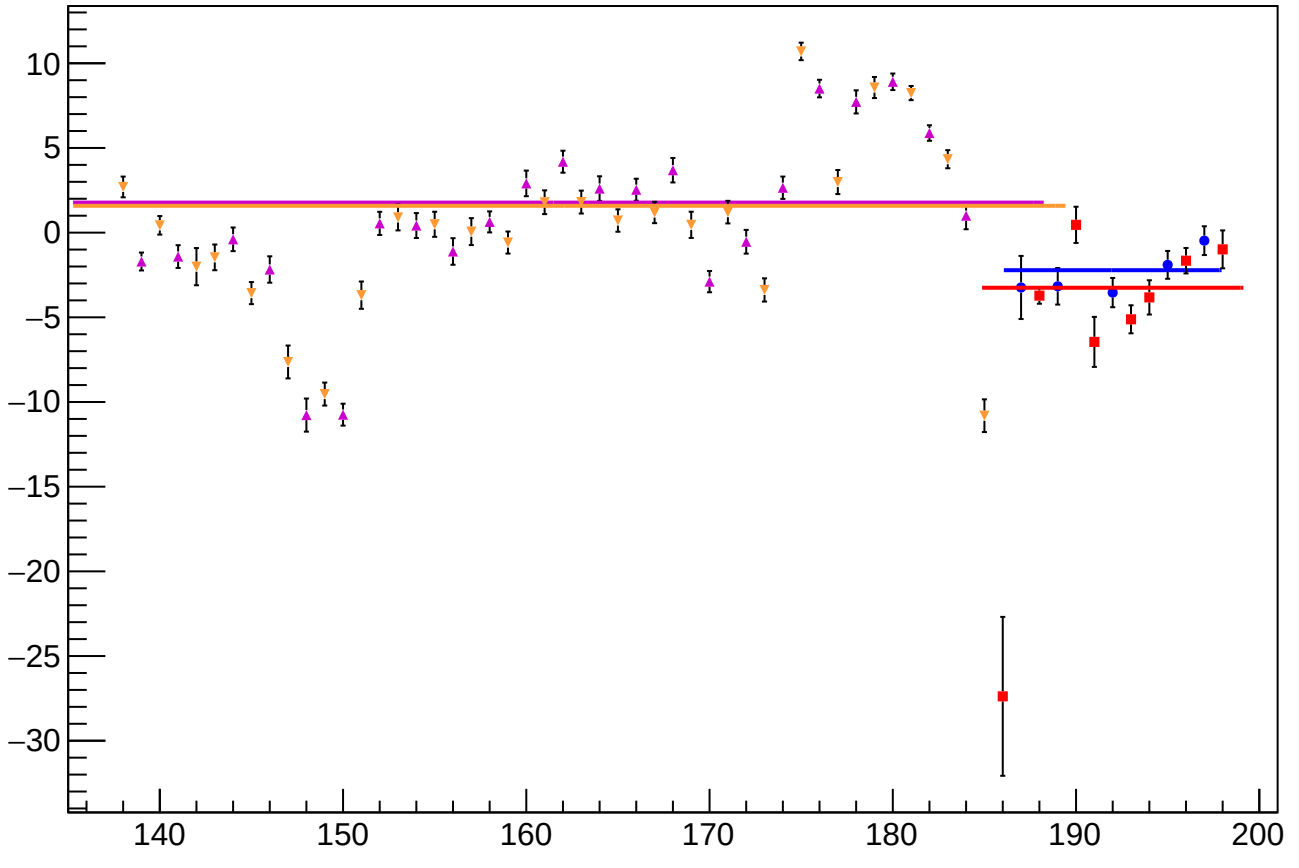
Left: 0.062+/-0.002 χ^2/NDF: 5630.0/47

Right: 0.131+/-0.002 χ^2/NDF: 18659.5/48

In: 0.115+/-0.002 χ^2/NDF:12761.5/44

Out: 0.088+/-0.002 χ^2/NDF:12090.3/51

All: 0.101+/-0.001 χ^2/NDF: 24952.5/96



Right In: -2.218+/-0.432 χ^2/NDF: 7.8/4

Left Out: 1.584+/-0.133 χ^2/NDF:1458.8/24

Right Out: -3.254+/-0.305 χ^2/NDF: 58.2/7

Left In: 1.774+/-0.135 χ^2/NDF:1297.3/22

Left: 1.677+/-0.095 χ^2/NDF: 2757.2/47

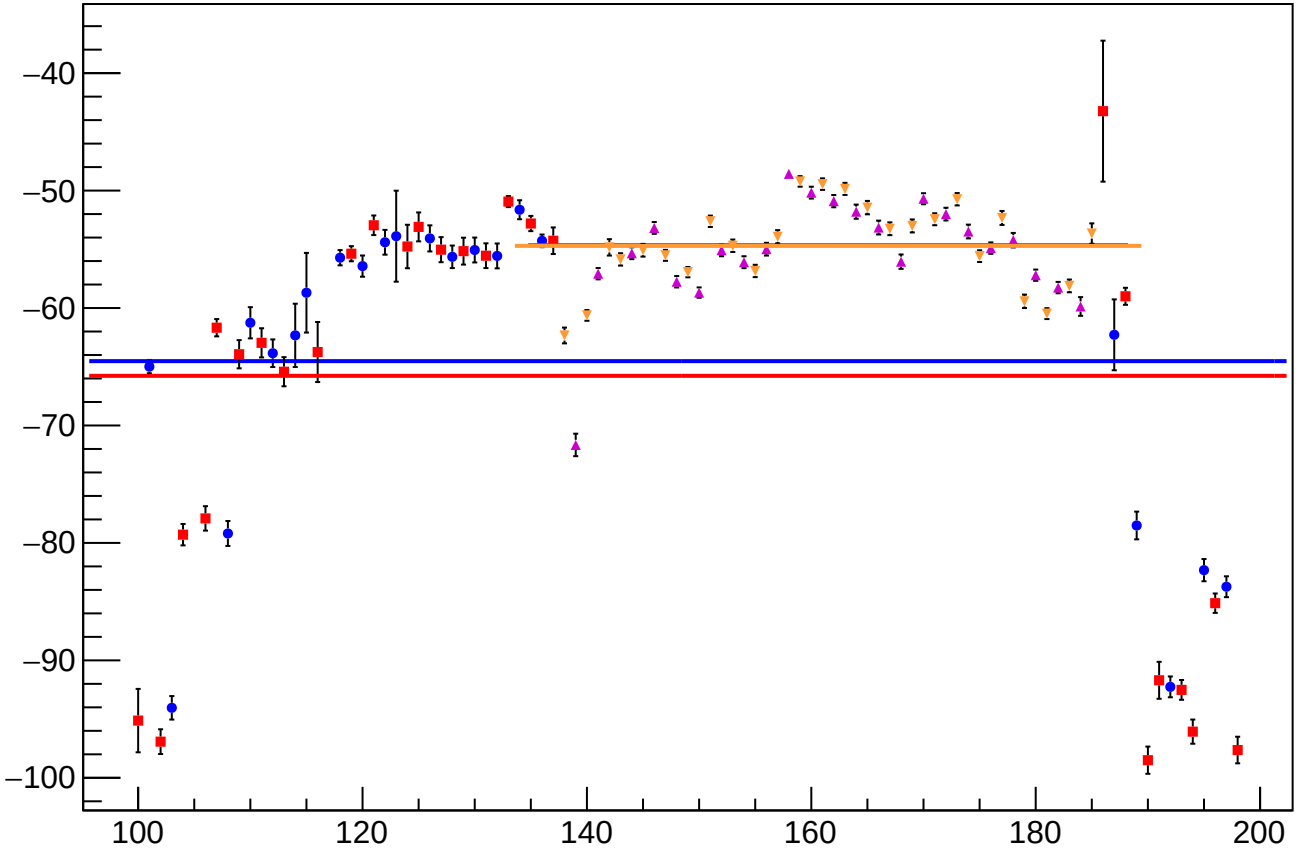
Right: -2.910+/-0.249 χ^2/NDF: 69.8/12

In: 1.418+/-0.129 χ^2/NDF:1382.8/27

Out: 0.812+/-0.122 χ^2/NDF:1729.0/32

All: 1.097+/-0.089 χ^2/NDF: 3123.5/60

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -64.521+/-0.203 χ^2/NDF: 4318.4/21

Left Out: -54.707+/-0.106 χ^2/NDF:1126.0/24

Right Out: -65.772+/-0.183 χ^2/NDF: 8201.0/26

Left In: -54.650+/-0.110 χ^2/NDF:1077.1/22

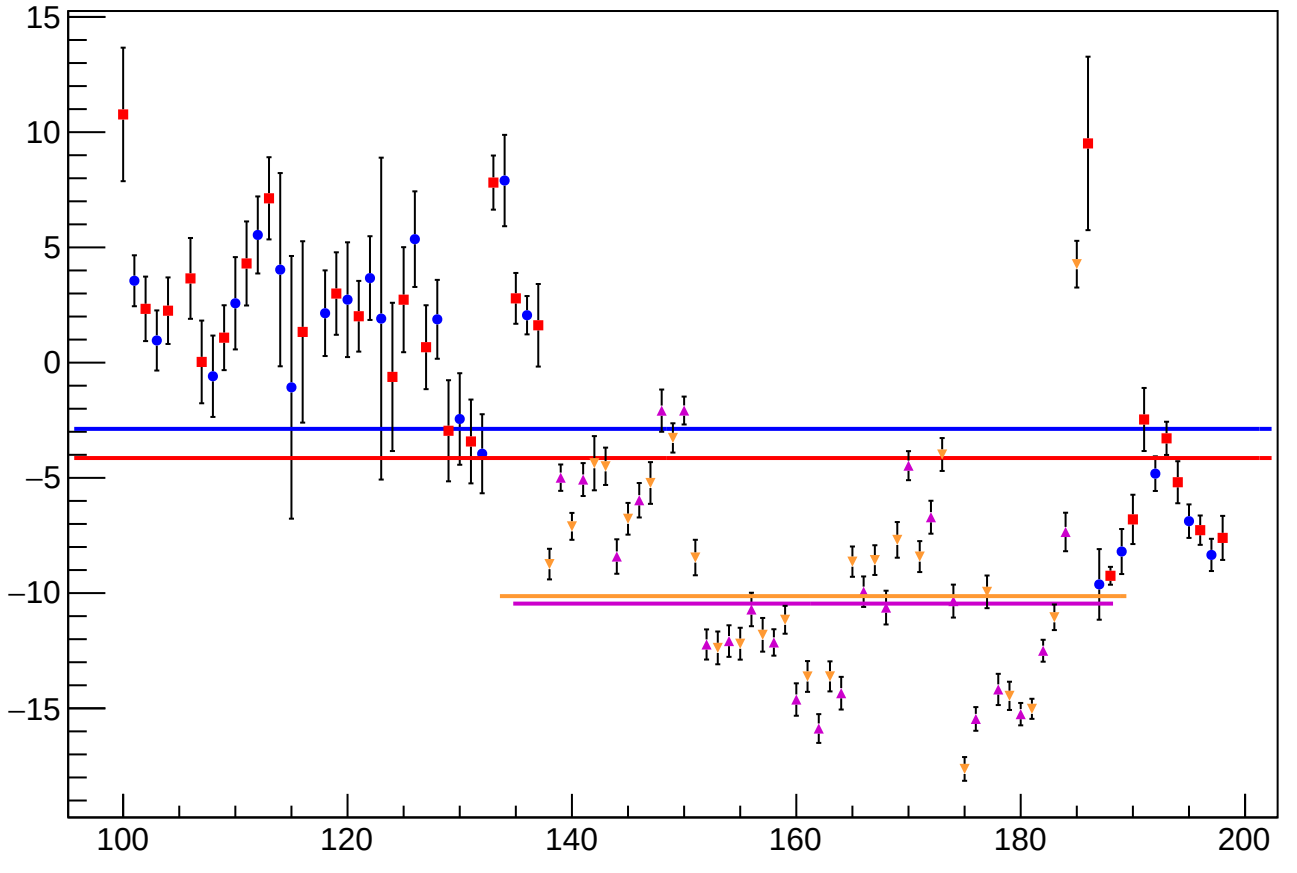
Left: -54.680+/-0.076 χ^2/NDF: 2203.2/47

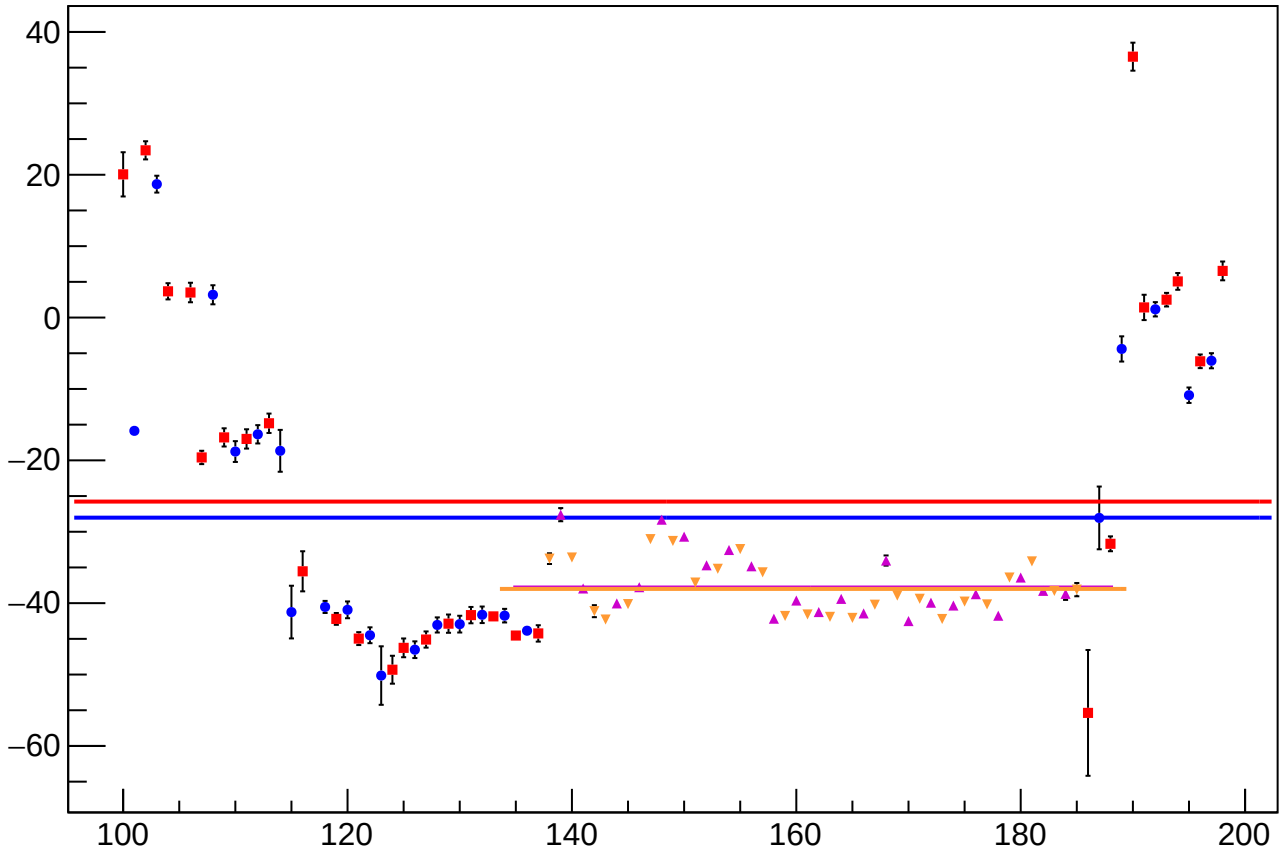
Right: -65.213+/-0.136 χ^2/NDF: 12540.4/48

In: -56.879+/-0.097 χ^2/NDF:7221.4/44

Out: -57.478+/-0.092 χ^2/NDF:12071.3/51

All: -57.195+/-0.066 χ^2/NDF: 19312.9/96


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -2.874+/-0.275 χ²/NDF: 341.4/21
Left Out: -10.131+/-0.133 χ²/NDF:1055.4/24
Right Out: -4.140+/-0.216 χ²/NDF: 607.6/26
Left In: -10.456+/-0.135 χ²/NDF:1002.7/22
Left: -10.291+/-0.095 χ²/NDF: 2061.1/47
Right: -3.657+/-0.170 χ²/NDF: 962.1/48
In: -8.988+/-0.121 χ²/NDF:1958.1/44
Out: -8.486+/-0.113 χ²/NDF:2221.9/51
All: -8.720+/-0.083 χ²/NDF: 4189.2/96



Right In: -28.025+/-0.233 χ^2/NDF: 6679.7/21

Left Out: -38.006+/-0.119 χ^2/NDF:946.0/24

Right Out: -25.774+/-0.214 χ^2/NDF: 10685.0/26

Left In: -37.809+/-0.122 χ^2/NDF:1039.9/22

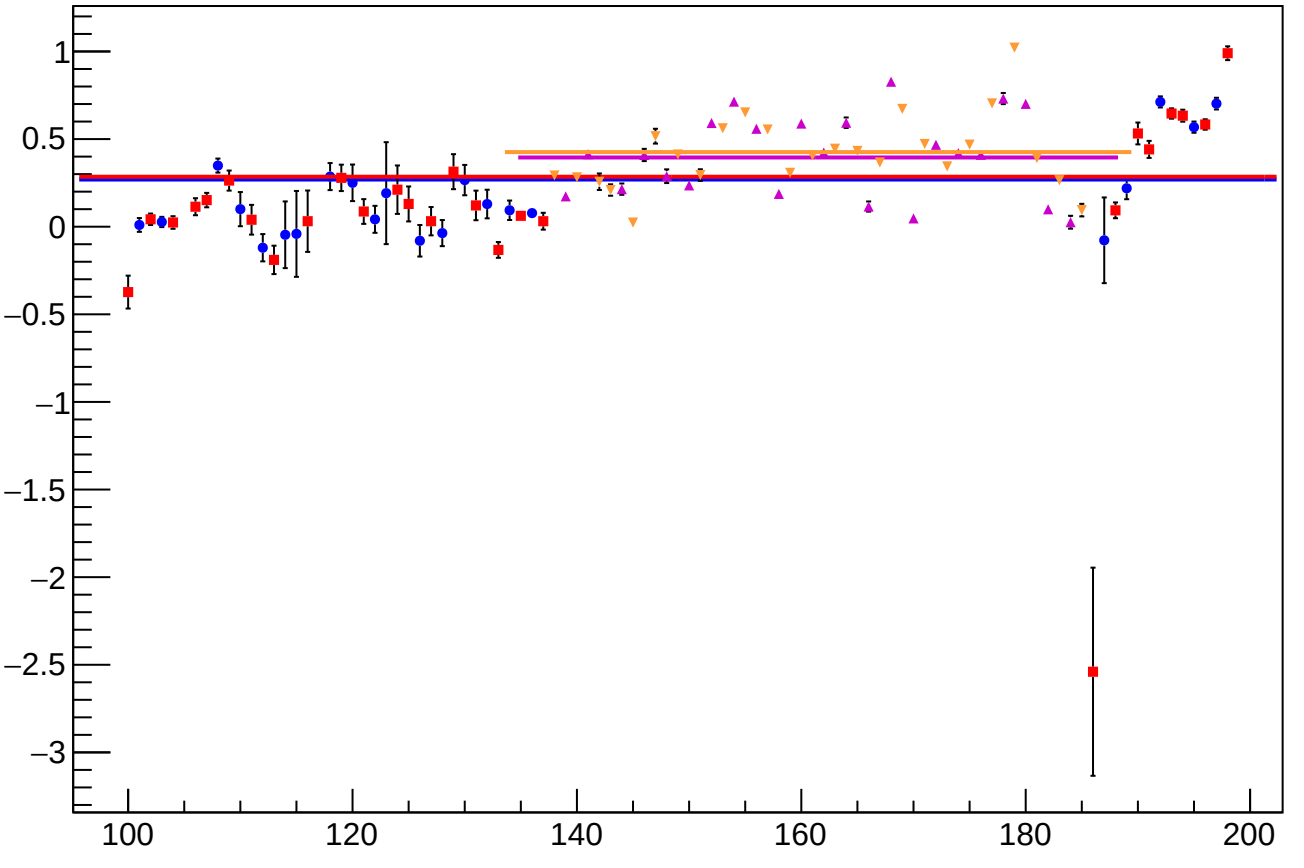
Left: -37.910+/-0.085 χ^2/NDF: 1987.2/47

Right: -26.805+/-0.158 χ^2/NDF: 17415.1/48

In: -35.701+/-0.108 χ^2/NDF:9098.5/44

Out: -35.134+/-0.104 χ^2/NDF:14122.9/51

All: -35.406+/-0.075 χ^2/NDF: 23235.6/96



Right In: 0.269+/-0.010 χ^2/NDF: 730.5/21

Left Out: 0.426+/-0.005 χ^2/NDF:1303.7/24

Right Out: 0.285+/-0.009 χ^2/NDF: 1175.7/26

Left In: 0.395+/-0.005 χ^2/NDF:1798.2/22

Left: 0.411+/-0.004 χ^2/NDF: 3118.1/47

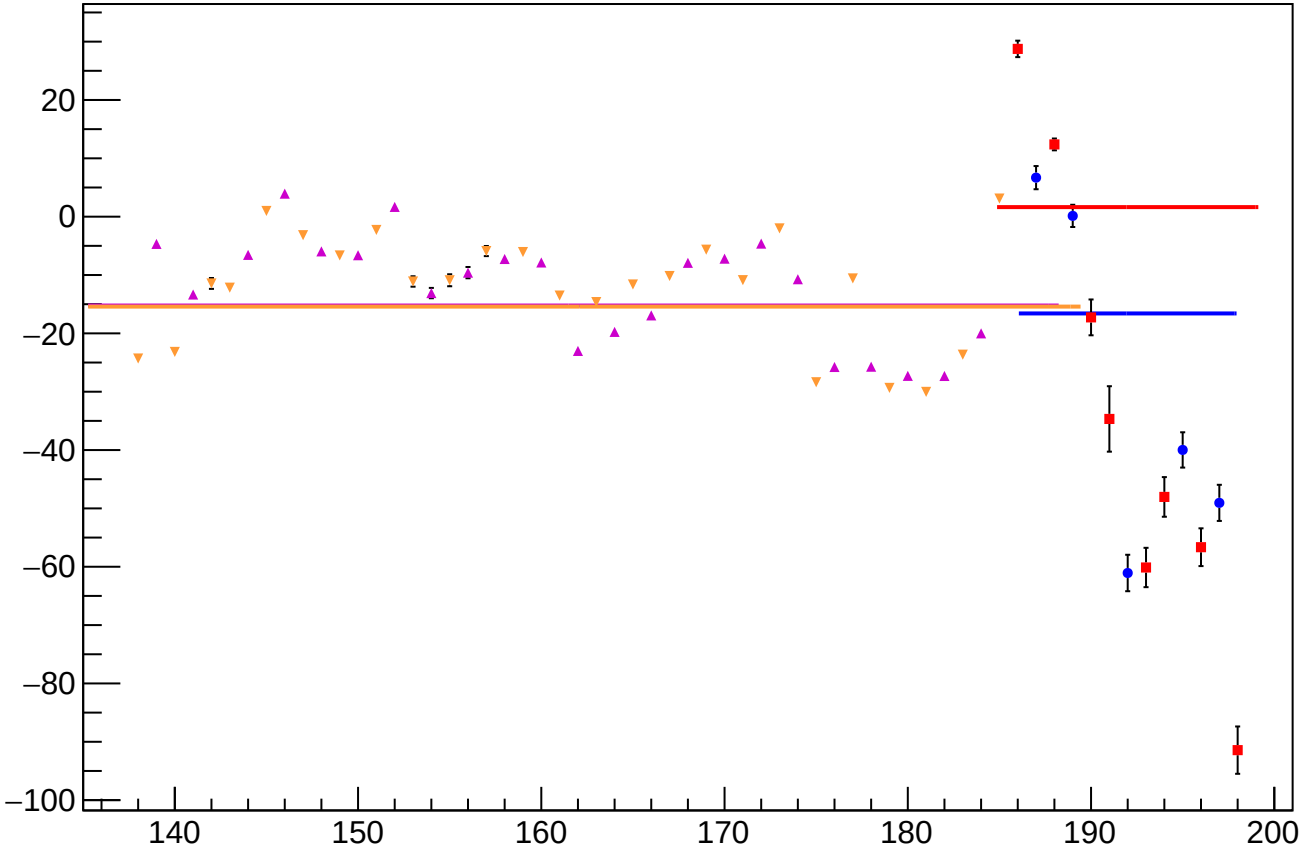
Right: 0.278+/-0.007 χ^2/NDF: 1907.5/48

In: 0.368+/-0.005 χ^2/NDF:2644.3/44

Out: 0.390+/-0.005 χ^2/NDF:2652.2/51

All: 0.380+/-0.003 χ^2/NDF: 5307.6/96

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.585+/-1.088 χ^2/NDF: 587.0/4

Left Out: -15.413+/-0.105 χ^2/NDF:10509.1/24

Right Out: 1.639+/-0.717 χ^2/NDF: 1963.1/7

Left In: -15.229+/-0.107 χ^2/NDF:8657.3/22

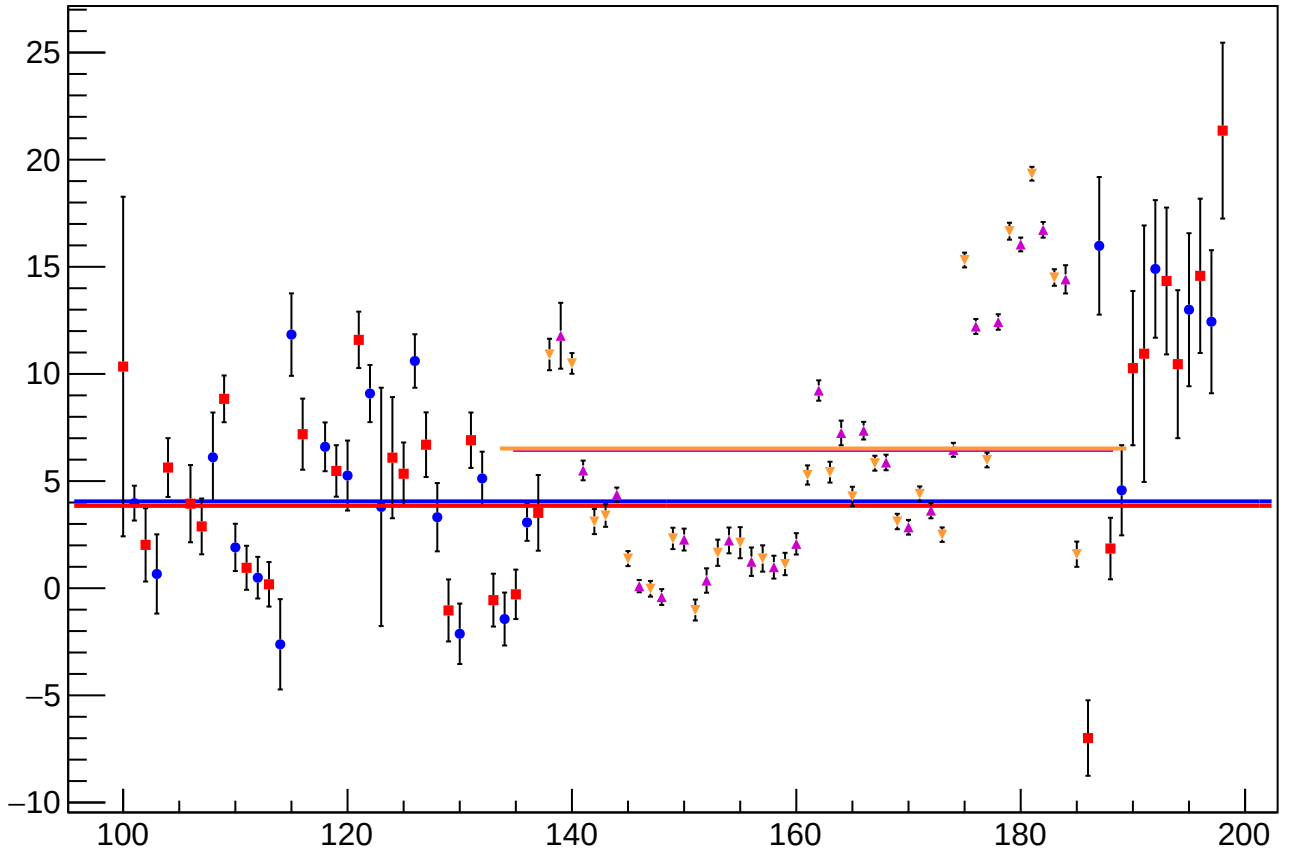
Left: -15.322+/-0.075 χ^2/NDF: 19167.9/47

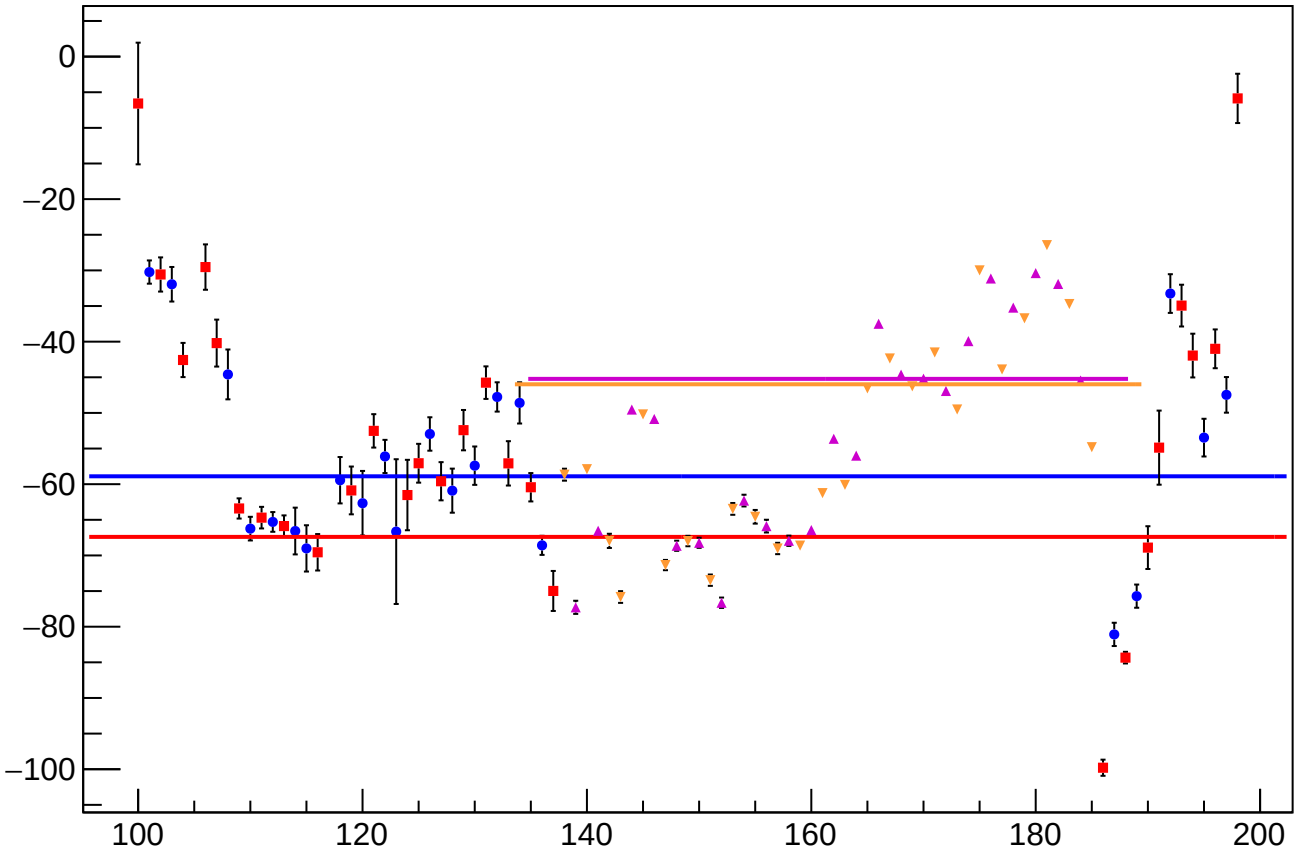
Right: -3.877+/-0.598 χ^2/NDF: 2745.8/12

In: -15.242+/-0.106 χ^2/NDF:9245.8/27

Out: -15.053+/-0.104 χ^2/NDF:13026.3/32

All: -15.146+/-0.074 χ^2/NDF: 22273.8/60


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 4.053+/-0.302 χ²/NDF: 174.4/21
Left Out: 6.521+/-0.085 χ²/NDF:4985.2/24
Right Out: 3.843+/-0.299 χ²/NDF: 218.2/26
Left In: 6.452+/-0.086 χ²/NDF:3948.0/22
Left: 6.487+/-0.061 χ²/NDF: 8933.5/47
Right: 3.947+/-0.213 χ²/NDF: 392.8/48
In: 6.272+/-0.083 χ²/NDF:4180.6/44
Out: 6.319+/-0.082 χ²/NDF:5277.6/51
All: 6.296+/-0.058 χ²/NDF: 9458.3/96



Right In: -58.895+/-0.468 χ^2/NDF: 1015.0/21

Left Out: -45.982+/-0.106 χ^2/NDF:17360.1/24

Right Out: -67.397+/-0.397 χ^2/NDF: 2688.9/26

Left In: -45.222+/-0.107 χ^2/NDF:15600.2/22

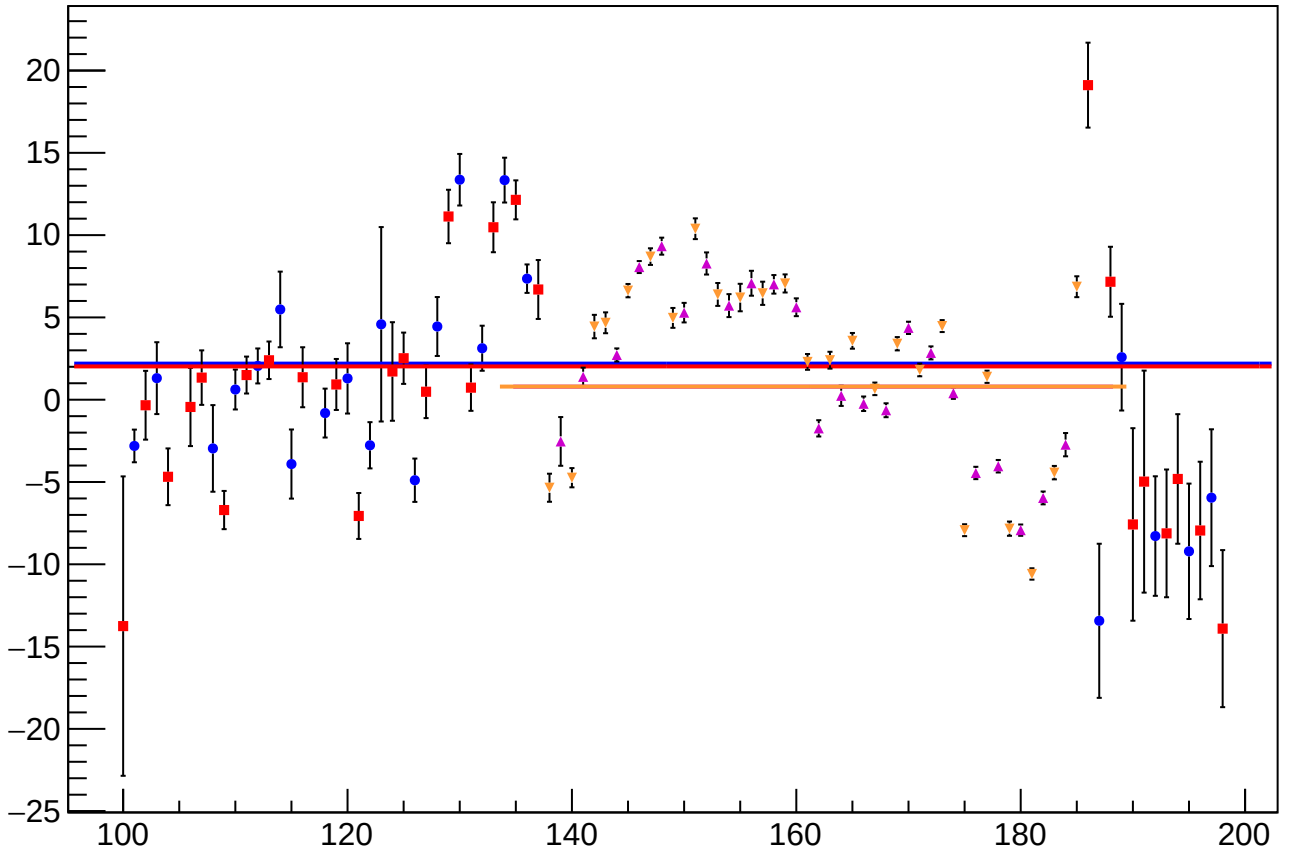
Left: -45.605+/-0.075 χ^2/NDF: 32985.7/47

Right: -63.836+/-0.303 χ^2/NDF: 3895.7/48

In: -45.903+/-0.104 χ^2/NDF:17426.4/44

Out: -47.412+/-0.103 χ^2/NDF:22761.2/51

All: -46.671+/-0.073 χ^2/NDF: 40293.6/96



Right In: 2.192+/-0.341 χ^2/NDF: 274.1/21

Left Out: 0.797+/-0.096 χ^2/NDF:3760.0/24

Right Out: 2.023+/-0.342 χ^2/NDF: 344.9/26

Left In: 0.792+/-0.097 χ^2/NDF:2692.5/22

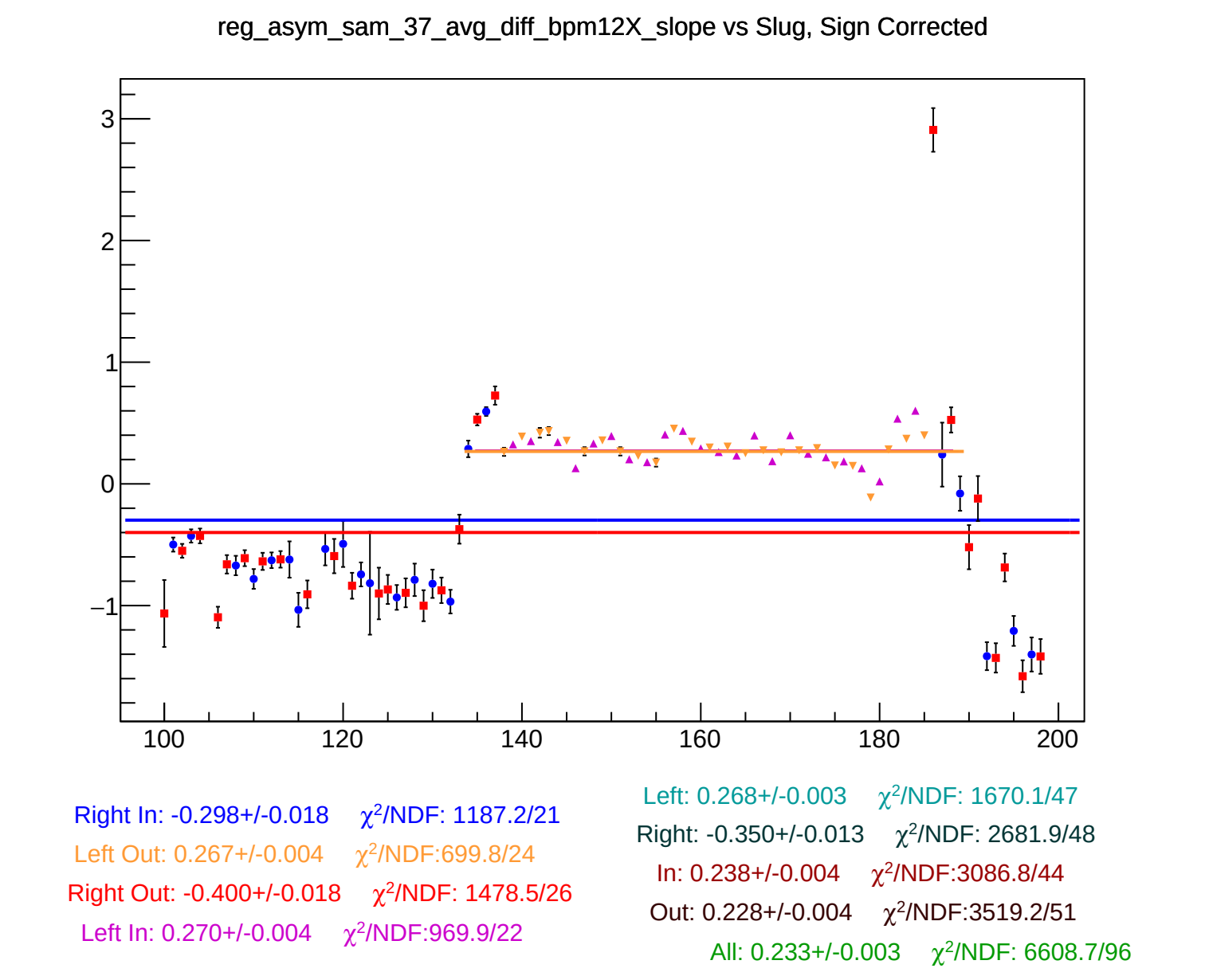
Left: 0.795+/-0.068 χ^2/NDF: 6452.5/47

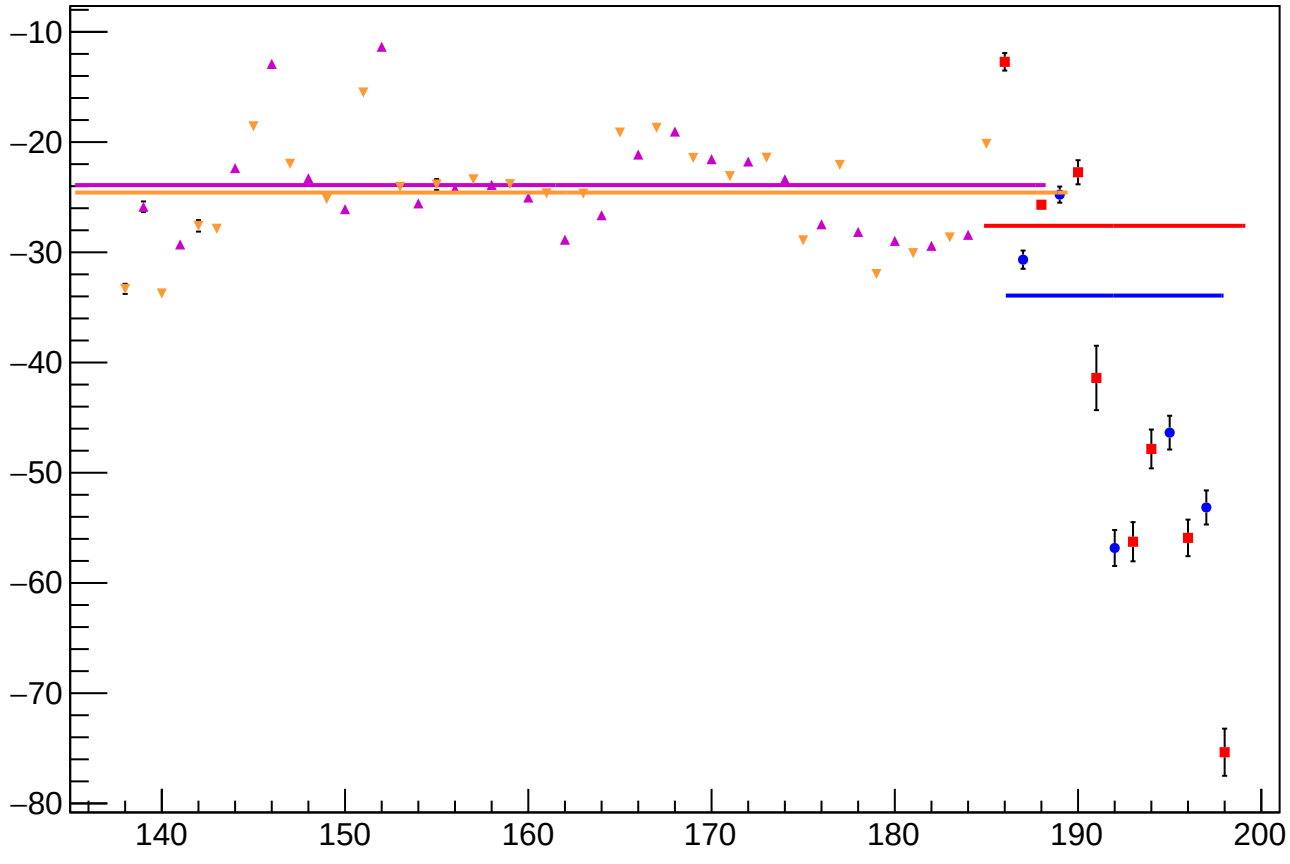
Right: 2.108+/-0.241 χ^2/NDF: 619.1/48

In: 0.896+/-0.093 χ^2/NDF:2982.2/44

Out: 0.886+/-0.092 χ^2/NDF:4116.7/51

All: 0.891+/-0.065 χ^2/NDF: 7098.9/96


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.298+/-0.018 χ²/NDF: 1187.2/21
Left Out: 0.267+/-0.004 χ²/NDF:699.8/24
Right Out: -0.400+/-0.018 χ²/NDF: 1478.5/26
Left In: 0.270+/-0.004 χ²/NDF:969.9/22
Left: 0.268+/-0.003 χ²/NDF: 1670.1/47
Right: -0.350+/-0.013 χ²/NDF: 2681.9/48
In: 0.238+/-0.004 χ²/NDF:3086.8/44
Out: 0.228+/-0.004 χ²/NDF:3519.2/51
All: 0.233+/-0.003 χ²/NDF: 6608.7/96



Right In: -33.924+/-0.469 χ^2/NDF: 589.8/4

Left Out: -24.577+/-0.051 χ^2/NDF:8590.4/24

Right Out: -27.596+/-0.331 χ^2/NDF: 1596.2/7

Left In: -23.901+/-0.051 χ^2/NDF:9154.9/22

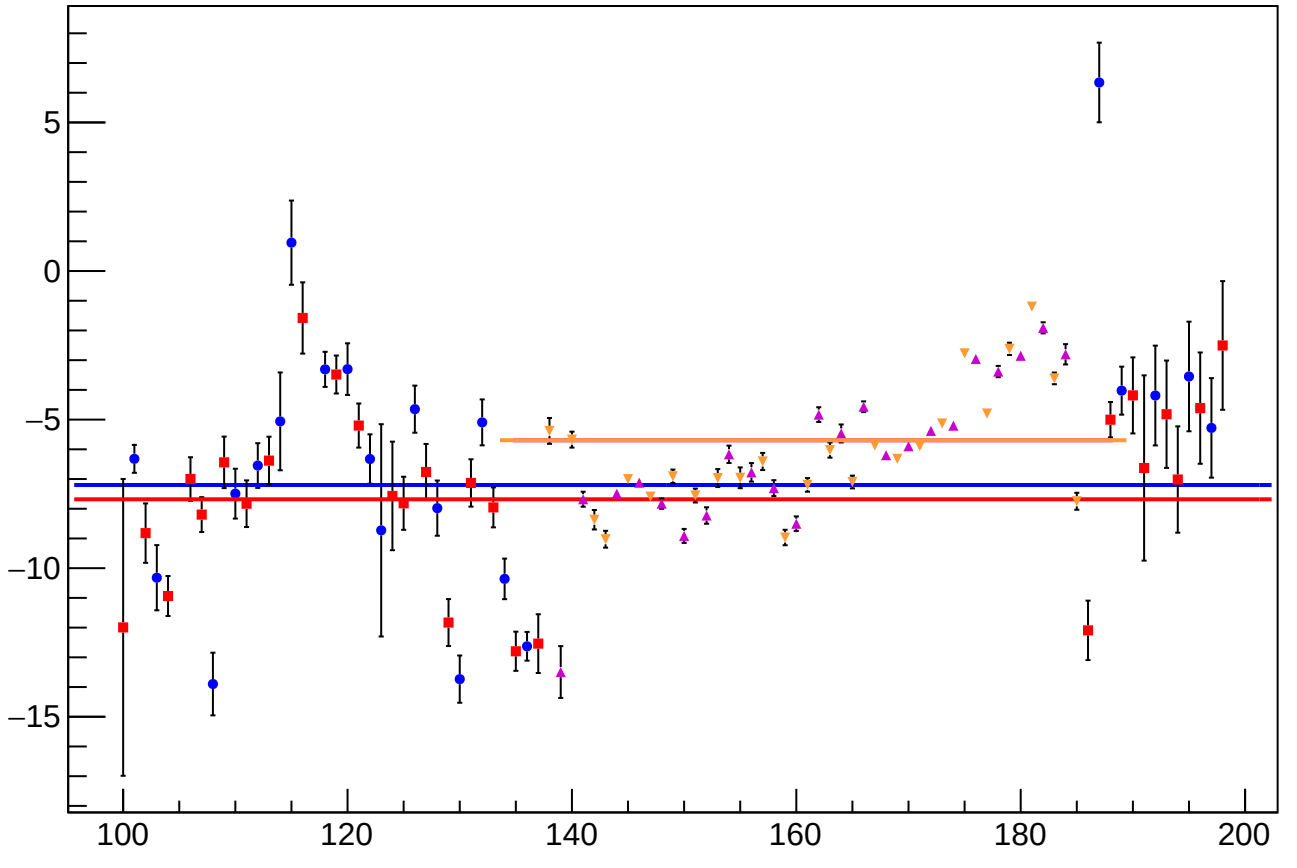
Left: -24.240+/-0.036 χ^2/NDF: 17833.1/47

Right: -29.698+/-0.270 χ^2/NDF: 2307.8/12

In: -24.019+/-0.051 χ^2/NDF:10196.8/27

Out: -24.647+/-0.050 χ^2/NDF:10268.1/32

All: -24.336+/-0.036 χ^2/NDF: 20542.1/60



Right In: -7.201+/-0.178 χ^2/NDF: 512.3/21

Left Out: -5.694+/-0.041 χ^2/NDF:2258.3/24

Right Out: -7.682+/-0.170 χ^2/NDF: 284.0/26

Left In: -5.696+/-0.041 χ^2/NDF:2309.8/22

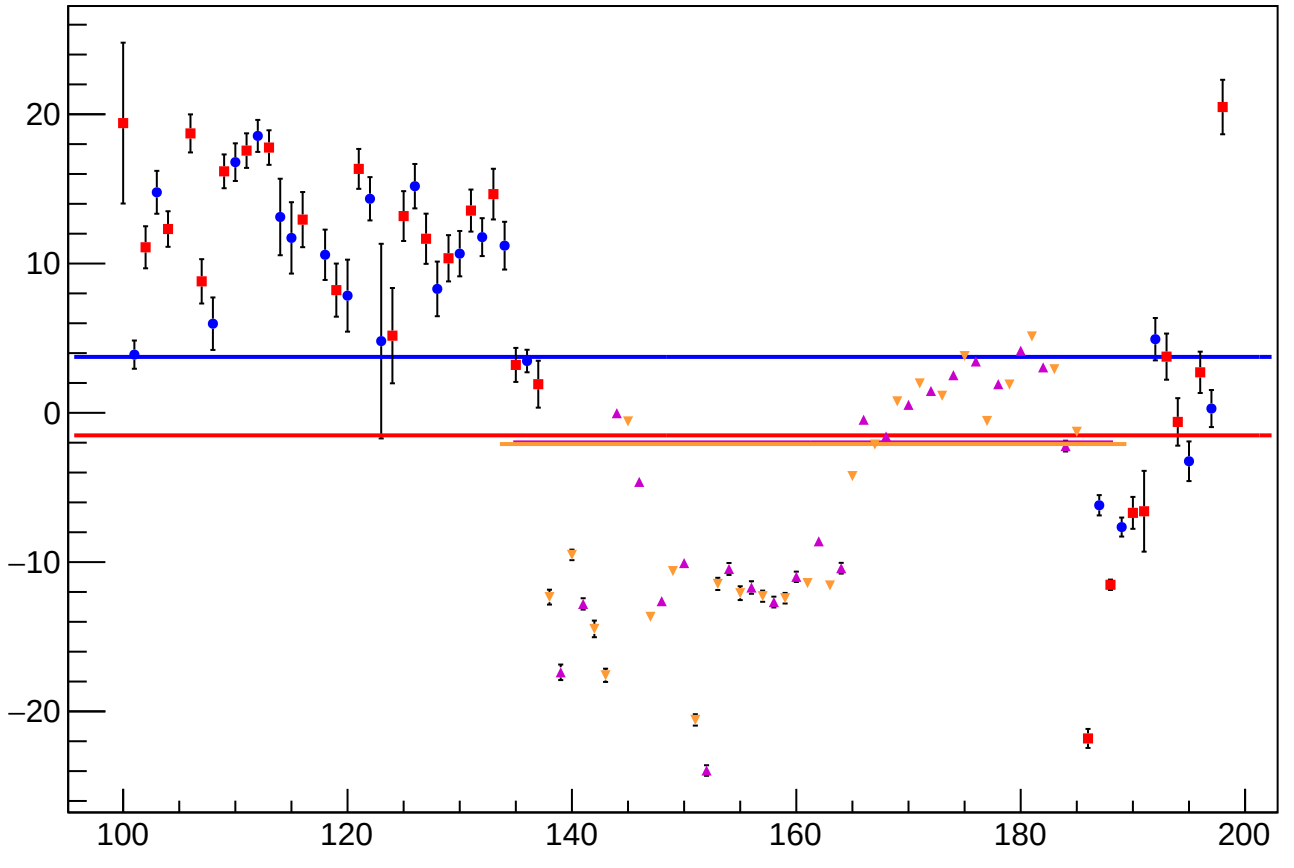
Left: -5.695+/-0.029 χ^2/NDF: 4568.1/47

Right: -7.452+/-0.123 χ^2/NDF: 800.1/48

In: -5.771+/-0.040 χ^2/NDF:2890.0/44

Out: -5.804+/-0.040 χ^2/NDF:2671.2/51

All: -5.787+/-0.028 χ^2/NDF: 5561.5/96



Right In: 3.746+/-0.258 χ^2/NDF: 1173.9/21

Left Out: -2.092+/-0.051 χ^2/NDF:16305.3/24

Right Out: -1.510+/-0.211 χ^2/NDF: 4065.6/26

Left In: -1.980+/-0.051 χ^2/NDF:15382.3/22

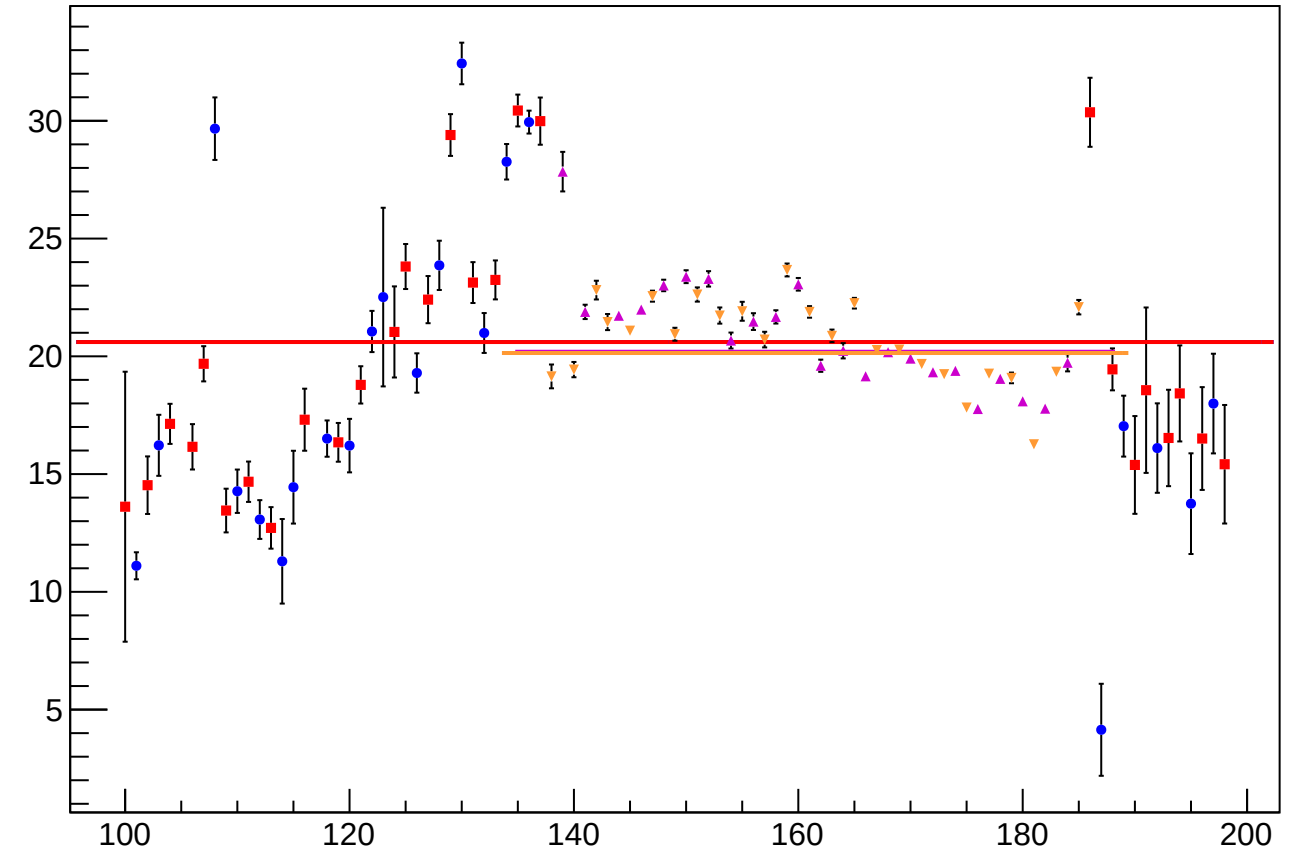
Left: -2.036+/-0.036 χ^2/NDF: 31690.0/47

Right: 0.600+/-0.163 χ^2/NDF: 5488.6/48

In: -1.762+/-0.050 χ^2/NDF:17031.6/44

Out: -2.059+/-0.050 χ^2/NDF:20378.1/51

All: -1.912+/-0.035 χ^2/NDF: 37427.2/96



Right In: 20.608+/-0.204 χ^2/NDF: 1309.8/21

Left Out: 20.141+/-0.046 χ^2/NDF:1419.1/24

Right Out: 20.607+/-0.200 χ^2/NDF: 787.3/26

Left In: 20.194+/-0.046 χ^2/NDF:1447.4/22

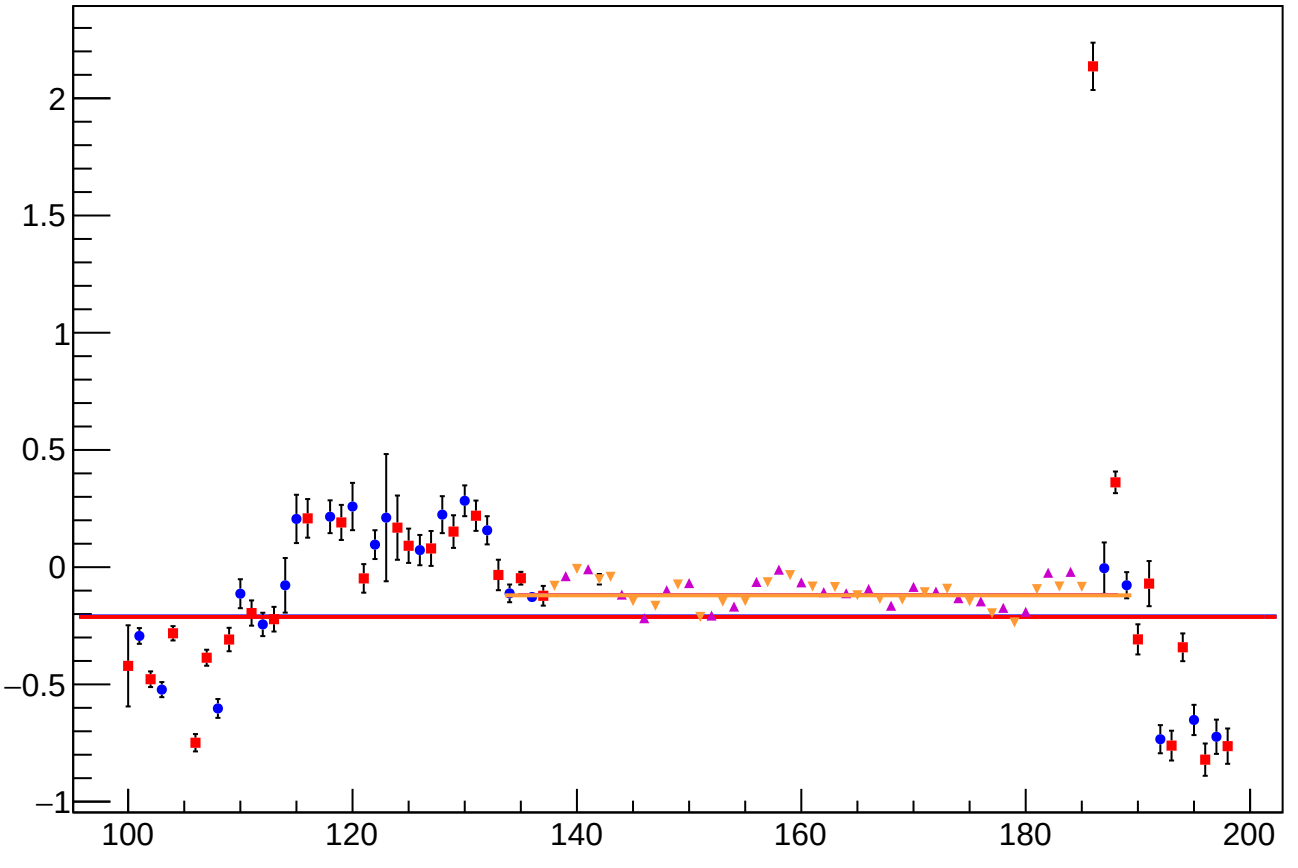
Left: 20.167+/-0.032 χ^2/NDF: 2867.2/47

Right: 20.607+/-0.143 χ^2/NDF: 2097.1/48

In: 20.214+/-0.045 χ^2/NDF:2761.1/44

Out: 20.164+/-0.045 χ^2/NDF:2211.5/51

All: 20.189+/-0.032 χ^2/NDF: 4973.2/96



Right In: -0.210+/-0.011 χ^2/NDF: 650.0/21

Left Out: -0.120+/-0.002 χ^2/NDF:530.4/24

Right Out: -0.212+/-0.010 χ^2/NDF: 1445.2/26

Left In: -0.119+/-0.002 χ^2/NDF:721.8/22

Left: -0.119+/-0.001 χ^2/NDF: 1252.4/47

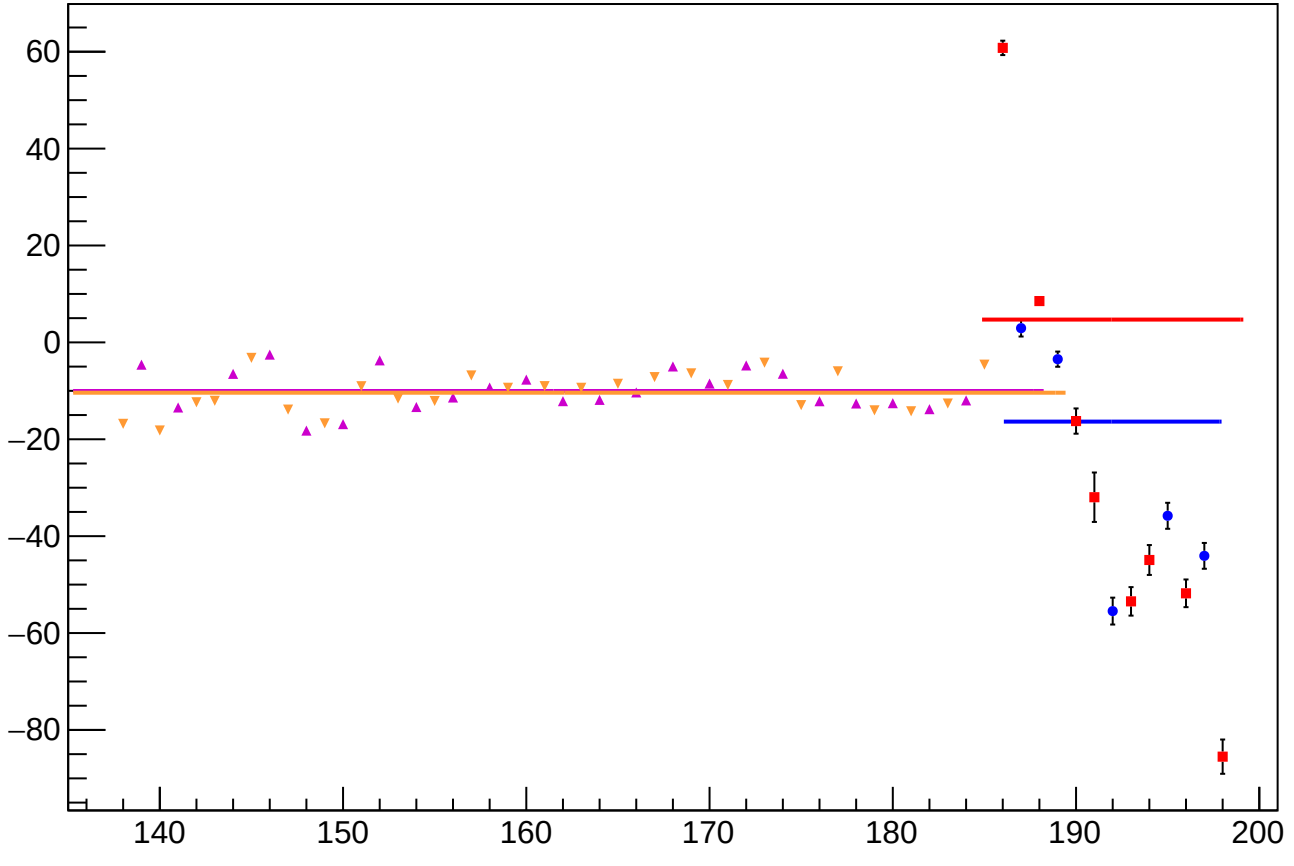
Right: -0.211+/-0.007 χ^2/NDF: 2095.3/48

In: -0.122+/-0.002 χ^2/NDF:1444.5/44

Out: -0.124+/-0.002 χ^2/NDF:2058.1/51

All: -0.123+/-0.001 χ^2/NDF: 3503.0/96

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.355+/-0.933 χ^2/NDF: 550.6/4

Left Out: -10.391+/-0.088 χ^2/NDF:2111.6/24

Right Out: 4.707+/-0.643 χ^2/NDF: 3250.7/7

Left In: -10.036+/-0.090 χ^2/NDF:1758.7/22

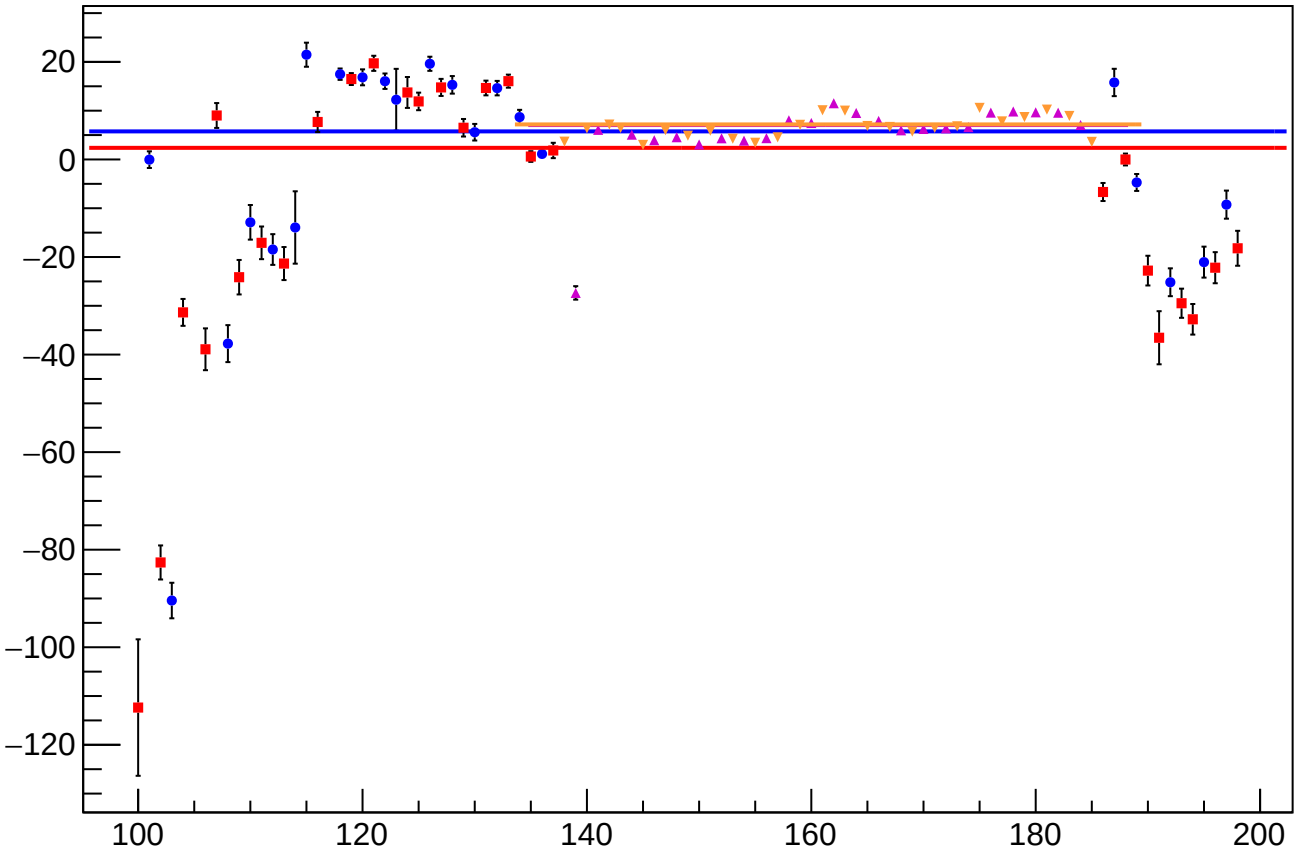
Left: -10.217+/-0.063 χ^2/NDF: 3878.3/47

Right: -2.082+/-0.530 χ^2/NDF: 4146.8/12

In: -10.093+/-0.089 χ^2/NDF:2354.7/27

Out: -10.114+/-0.087 χ^2/NDF:5903.0/32

All: -10.104+/-0.062 χ^2/NDF: 8257.7/60



Right In: 5.754+/-0.382 χ^2/NDF: 1623.8/21

Left Out: 7.184+/-0.073 χ^2/NDF:917.3/24

Right Out: 2.381+/-0.384 χ^2/NDF: 2062.4/26

Left In: 7.053+/-0.074 χ^2/NDF:1535.8/22

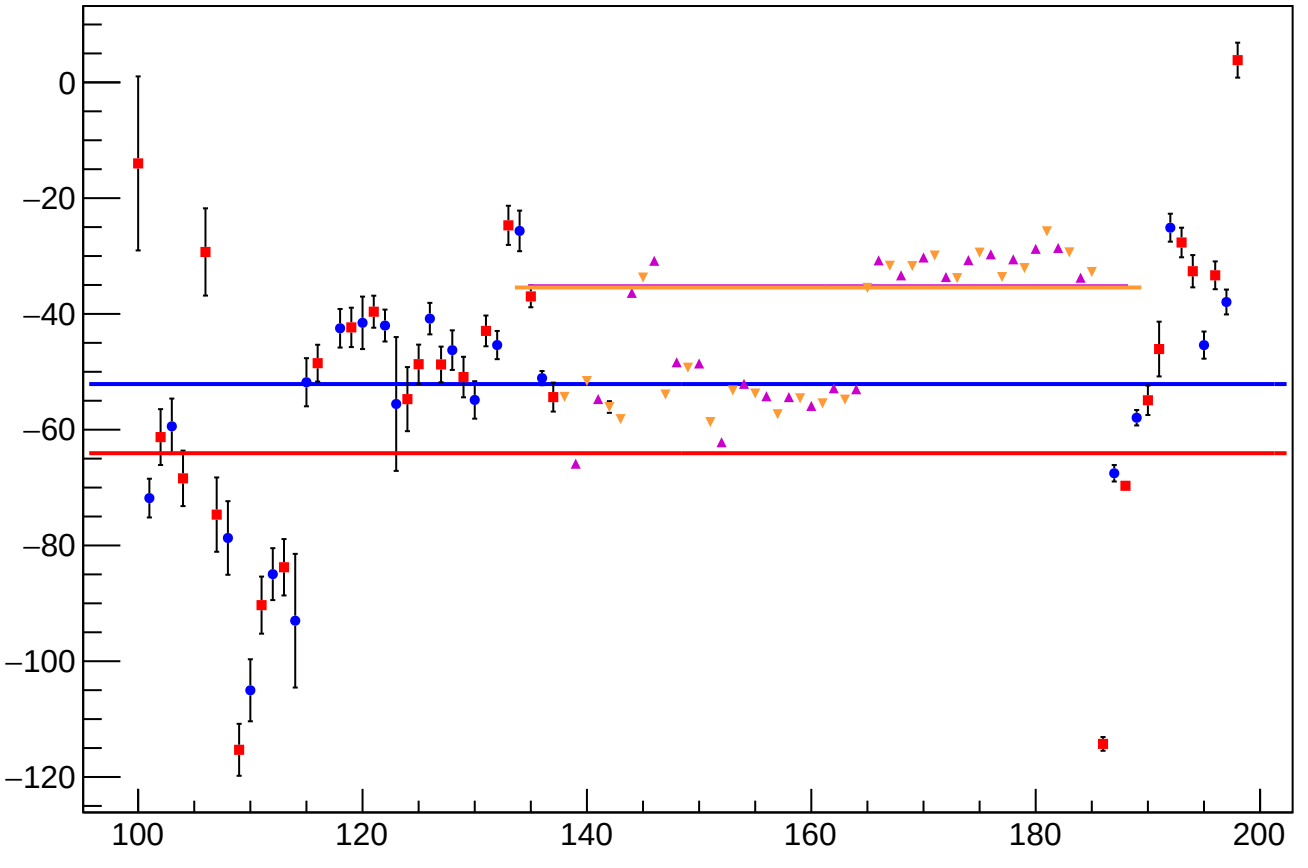
Left: 7.119+/-0.052 χ^2/NDF: 2454.8/47

Right: 4.074+/-0.271 χ^2/NDF: 3725.0/48

In: 7.006+/-0.073 χ^2/NDF:3170.8/44

Out: 7.014+/-0.072 χ^2/NDF:3130.8/51

All: 7.010+/-0.051 χ^2/NDF: 6301.6/96



Right In: -52.118+/-0.539 χ^2/NDF: 644.8/21

Left Out: -35.434+/-0.089 χ^2/NDF:12782.8/24

Right Out: -64.064+/-0.442 χ^2/NDF: 3718.8/26

Left In: -35.229+/-0.090 χ^2/NDF:11602.9/22

Left: -35.333+/-0.063 χ^2/NDF: 24388.3/47

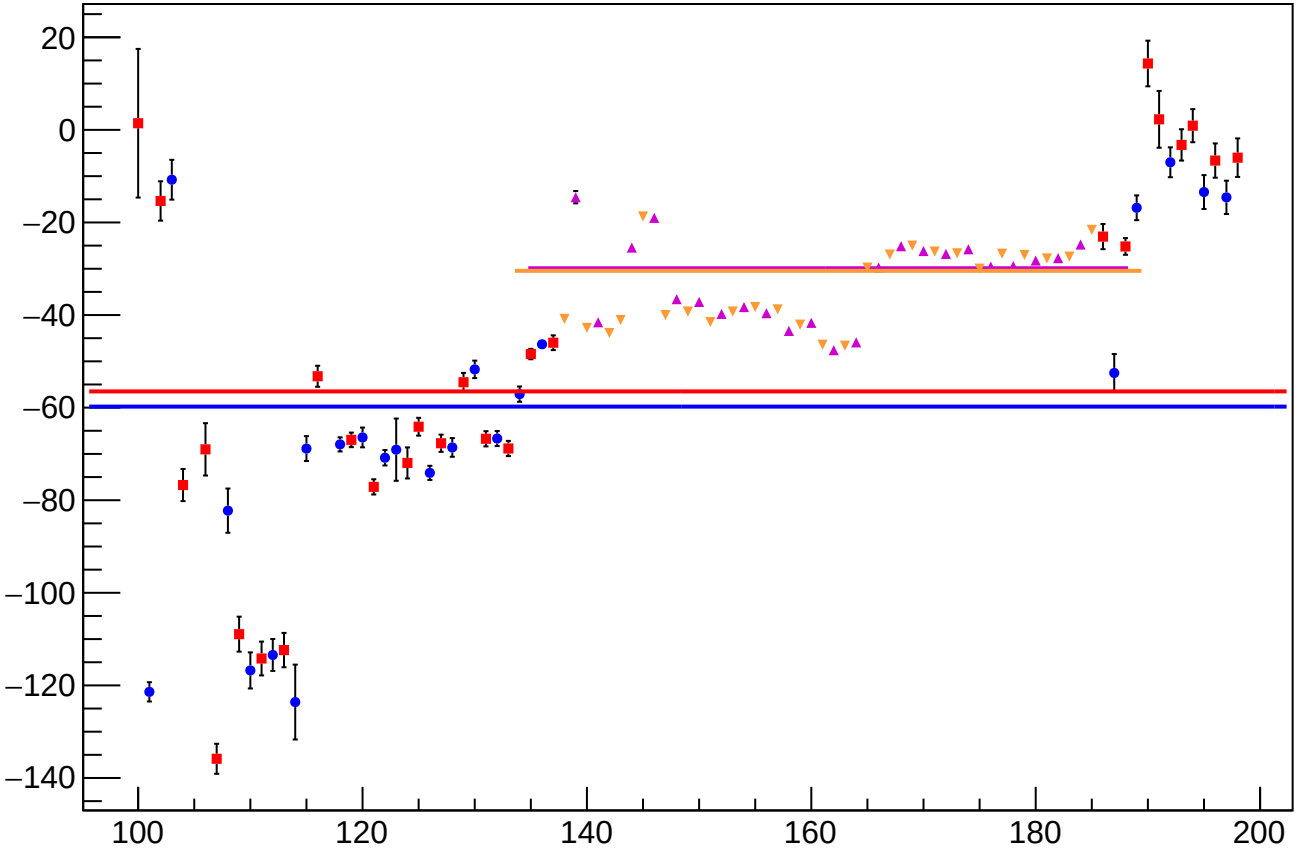
Right: -59.262+/-0.342 χ^2/NDF: 4657.3/48

In: -35.688+/-0.089 χ^2/NDF:13202.5/44

Out: -36.550+/-0.087 χ^2/NDF:20534.5/51

All: -36.127+/-0.062 χ^2/NDF: 33784.9/96

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -59.779+/-0.430 χ^2/NDF: 2920.9/21

Left Out: -30.448+/-0.082 χ^2/NDF:8167.7/24

Right Out: -56.495+/-0.444 χ^2/NDF: 3465.6/26

Left In: -29.892+/-0.083 χ^2/NDF:7115.0/22

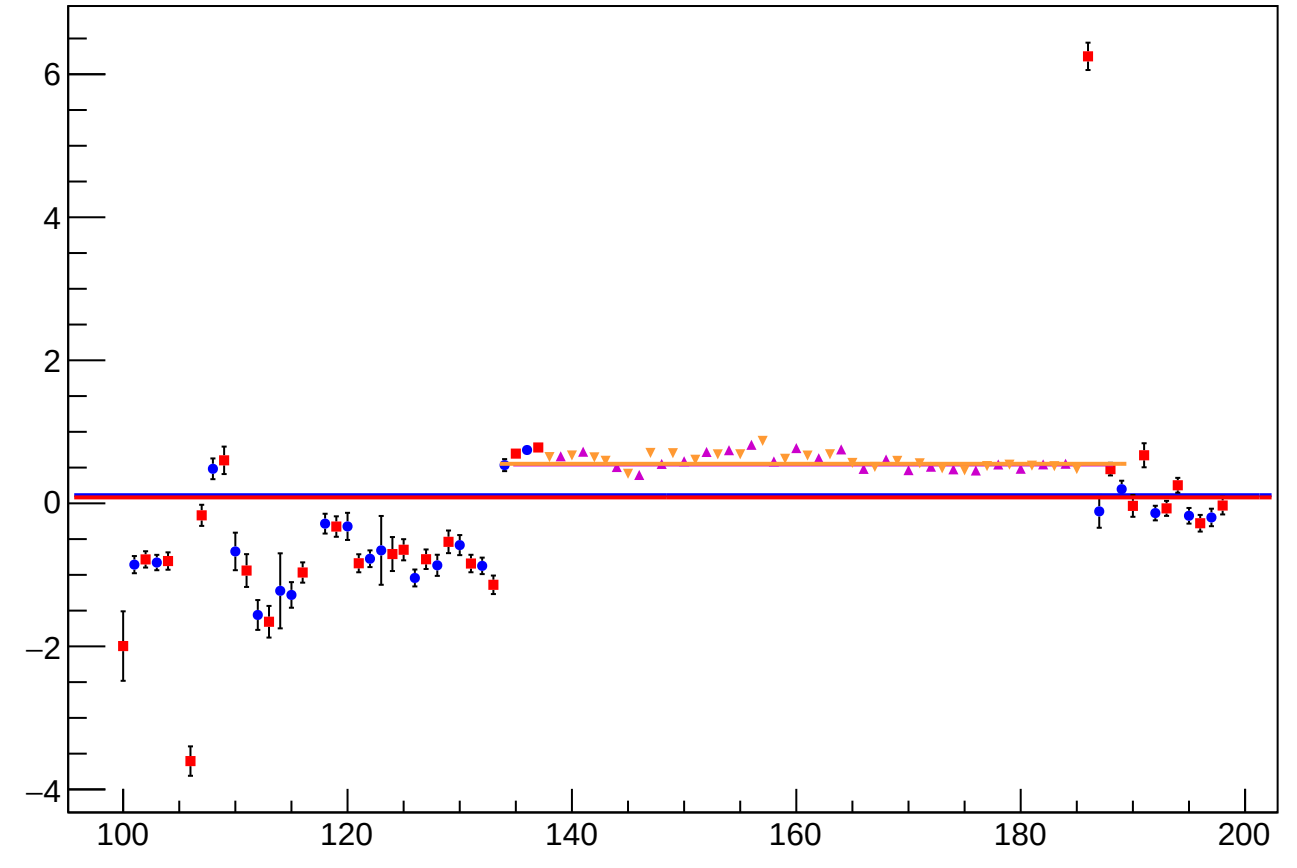
Left: -30.174+/-0.058 χ^2/NDF: 15305.7/47

Right: -58.188+/-0.309 χ^2/NDF: 6414.8/48

In: -30.954+/-0.081 χ^2/NDF:14690.3/44

Out: -31.299+/-0.080 χ^2/NDF:14966.6/51

All: -31.128+/-0.057 χ^2/NDF: 29666.0/96



Right In: 0.114+/-0.022 χ^2/NDF: 1010.8/21

Left Out: 0.553+/-0.004 χ^2/NDF:542.1/24

Right Out: 0.083+/-0.022 χ^2/NDF: 2277.9/26

Left In: 0.544+/-0.004 χ^2/NDF:655.9/22

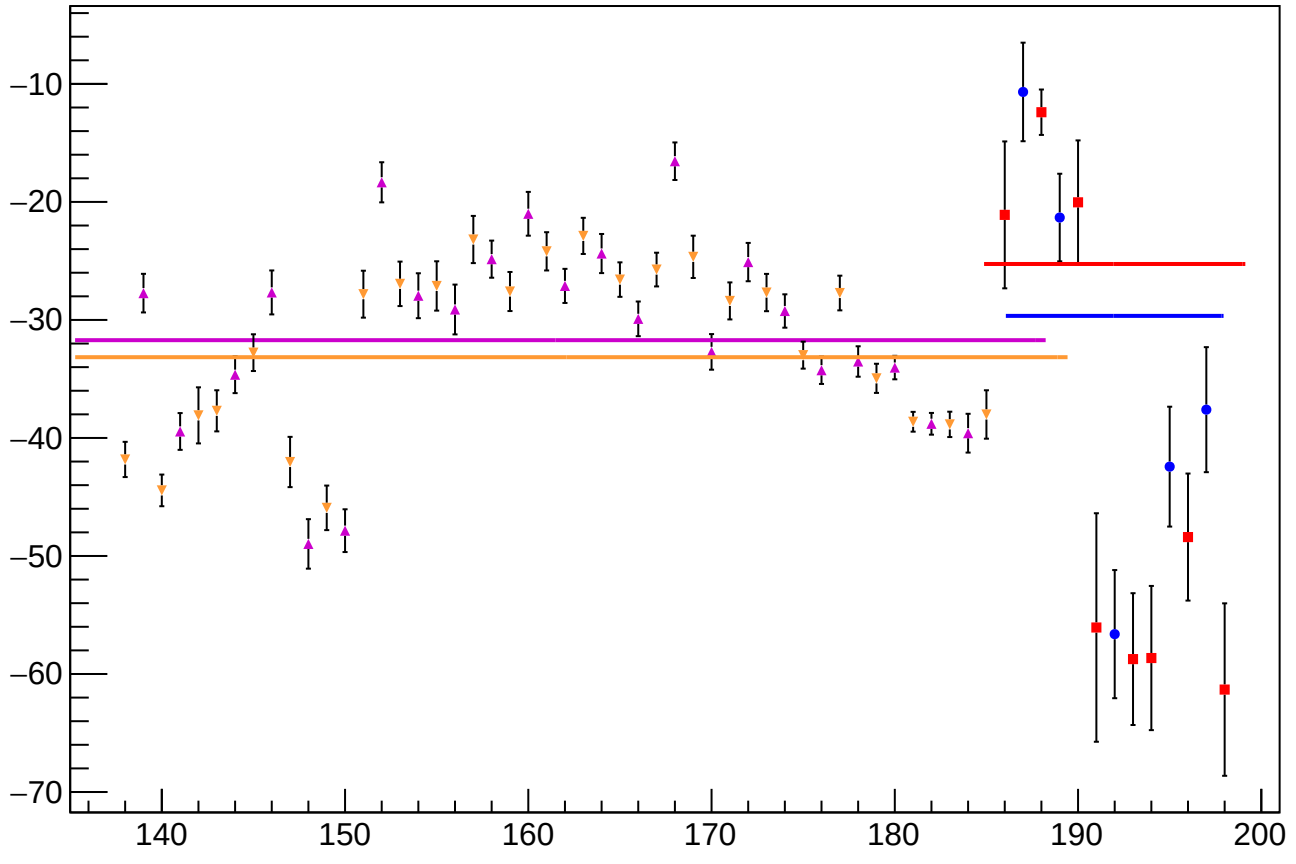
Left: 0.548+/-0.003 χ^2/NDF: 1200.9/47

Right: 0.099+/-0.016 χ^2/NDF: 3289.6/48

In: 0.531+/-0.004 χ^2/NDF:2037.7/44

Out: 0.540+/-0.004 χ^2/NDF:3249.4/51

All: 0.536+/-0.003 χ^2/NDF: 5290.0/96



Right In: -29.656+/-2.048 χ^2/NDF: 58.9/4

Left Out: -33.157+/-0.300 χ^2/NDF:500.1/24

Right Out: -25.259+/-1.482 χ^2/NDF: 164.9/7

Left In: -31.714+/-0.309 χ^2/NDF:542.3/22

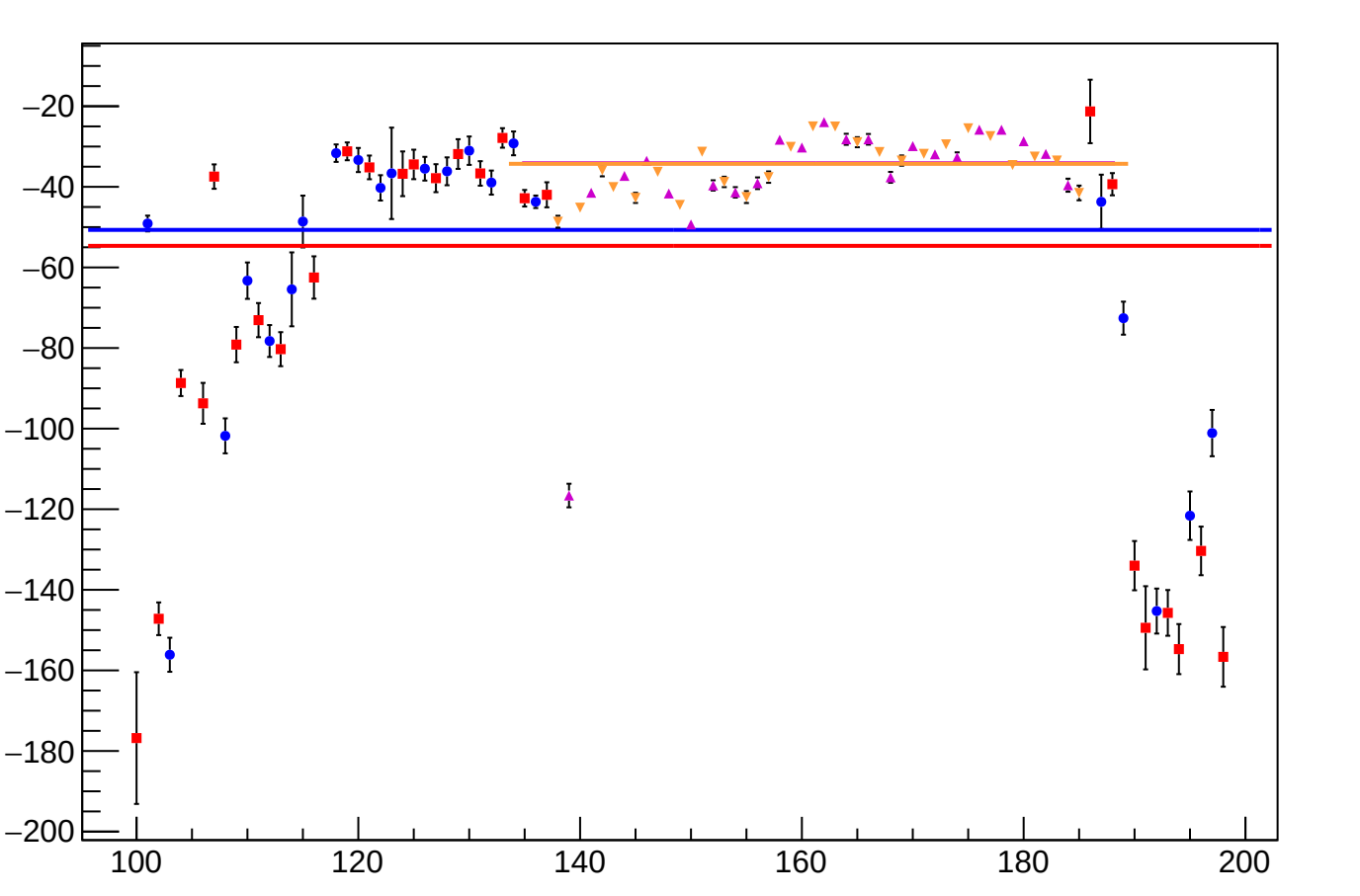
Left: -32.456+/-0.215 χ^2/NDF: 1053.6/47

Right: -26.770+/-1.201 χ^2/NDF: 226.9/12

In: -31.669+/-0.305 χ^2/NDF:602.2/27

Out: -32.846+/-0.294 χ^2/NDF:692.3/32

All: -32.279+/-0.212 χ^2/NDF: 1302.1/60



Right In: -50.682+/-0.699 χ^2/NDF: 1640.4/21

Left Out: -34.287+/-0.241 χ^2/NDF:695.3/24

Right Out: -54.644+/-0.707 χ^2/NDF: 2500.0/26

Left In: -34.145+/-0.251 χ^2/NDF:1452.6/22

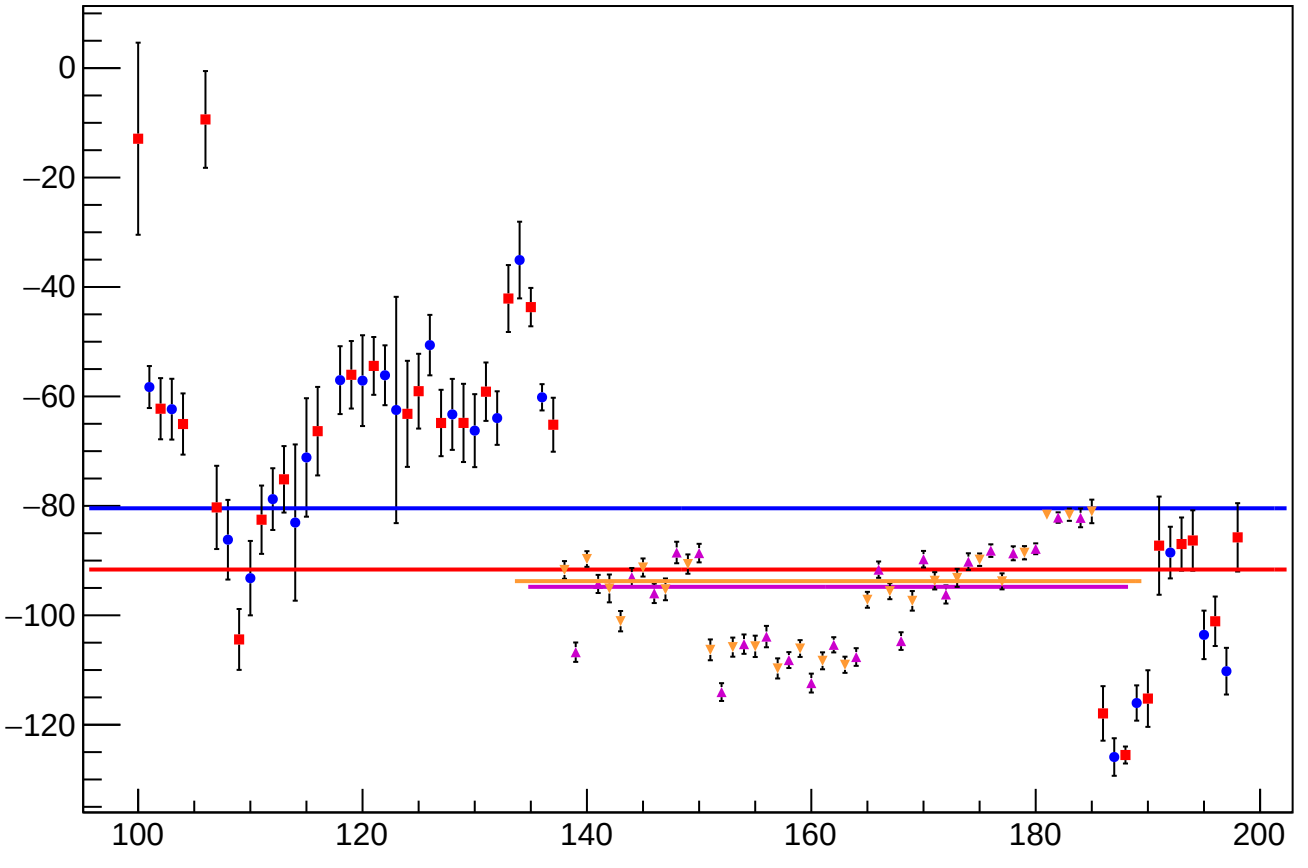
Left: -34.219+/-0.174 χ^2/NDF: 2148.1/47

Right: -52.640+/-0.497 χ^2/NDF: 4156.2/48

In: -36.030+/-0.236 χ^2/NDF:3588.6/44

Out: -36.411+/-0.229 χ^2/NDF:3936.8/51

All: -36.227+/-0.164 χ^2/NDF: 7526.8/96



Right In: -80.440+/-1.049 χ^2/NDF: 633.0/21

Left Out: -93.754+/-0.302 χ^2/NDF:883.1/24

Right Out: -91.631+/-0.921 χ^2/NDF: 1183.5/26

Left In: -94.796+/-0.308 χ^2/NDF:974.7/22

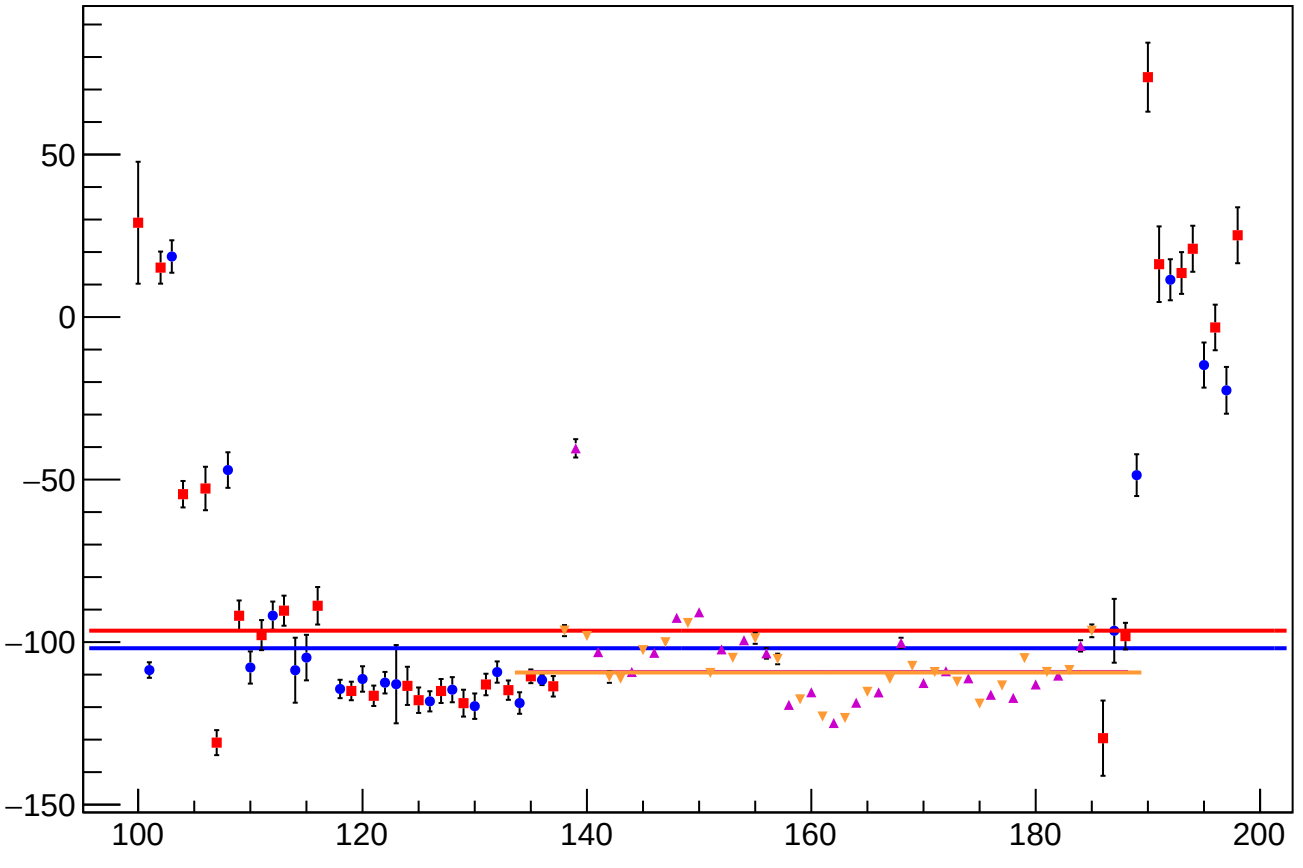
Left: -94.264+/-0.216 χ^2/NDF: 1863.6/47

Right: -86.760+/-0.692 χ^2/NDF: 1880.7/48

In: -93.654+/-0.296 χ^2/NDF:1780.0/44

Out: -93.548+/-0.287 χ^2/NDF:2071.3/51

All: -93.600+/-0.206 χ^2/NDF: 3851.4/96



Right In: -101.884+/-0.792 χ^2/NDF: 1535.2/21

Left Out: -109.351+/-0.271 χ^2/NDF:826.8/24

Right Out: -96.480+/-0.815 χ^2/NDF: 2407.8/26

Left In: -109.184+/-0.280 χ^2/NDF:1501.1/22

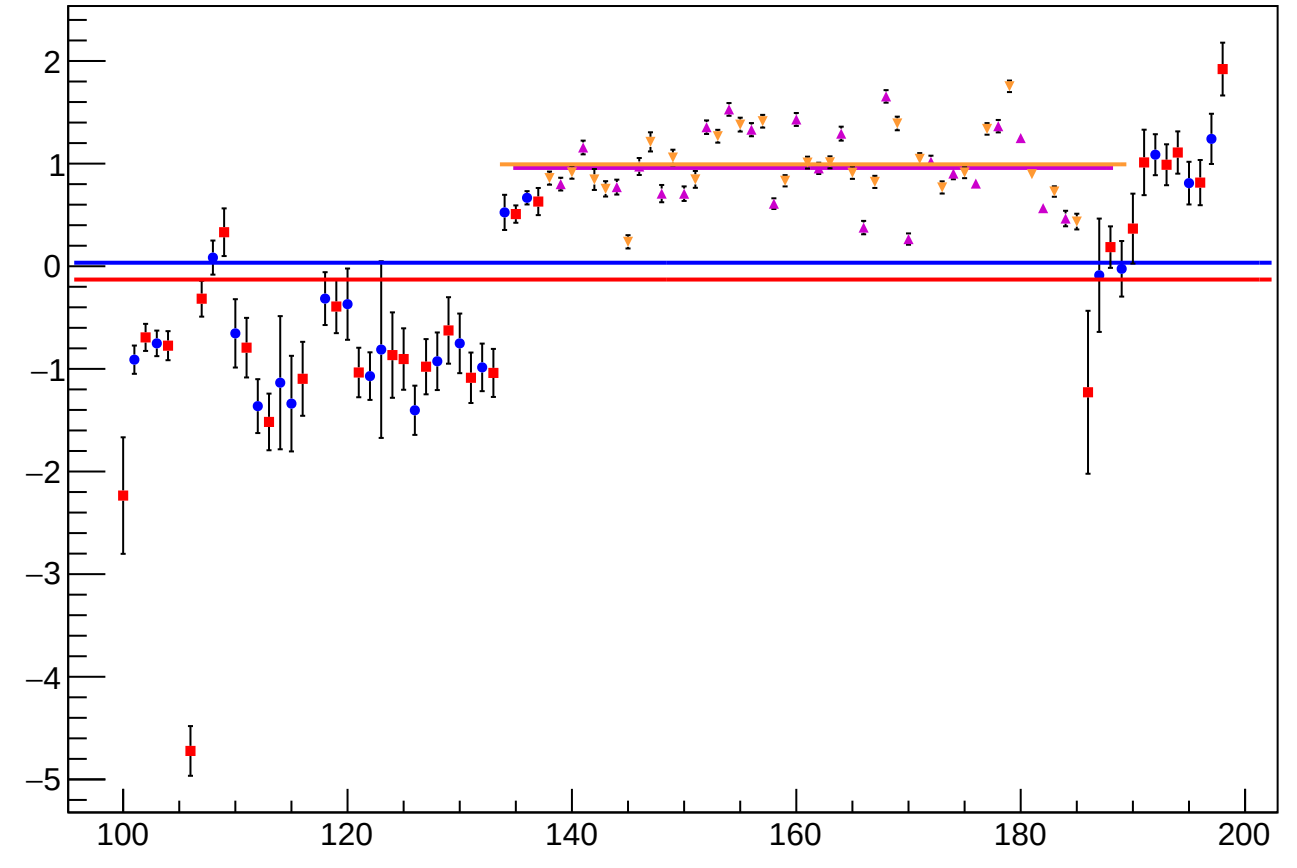
Left: -109.270+/-0.195 χ^2/NDF: 2328.1/47

Right: -99.259+/-0.568 χ^2/NDF: 3965.6/48

In: -108.374+/-0.264 χ^2/NDF:3111.9/44

Out: -108.068+/-0.257 χ^2/NDF:3459.1/51

All: -108.217+/-0.184 χ^2/NDF: 6571.7/96



Right In: 0.034+/-0.040 χ^2/NDF: 401.9/21

Left Out: 0.993+/-0.012 χ^2/NDF:638.6/24

Right Out: -0.130+/-0.039 χ^2/NDF: 781.3/26

Left In: 0.958+/-0.013 χ^2/NDF:894.5/22

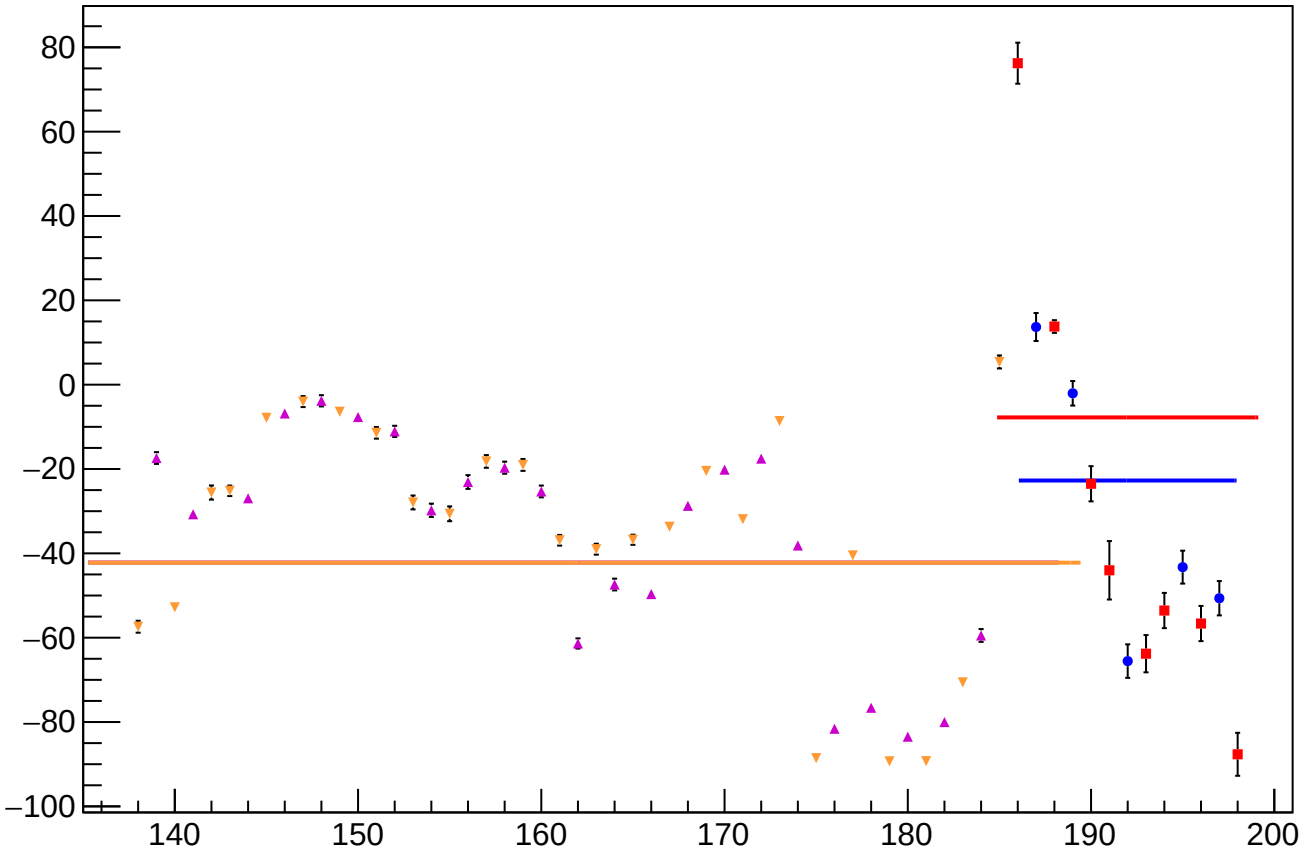
Left: 0.976+/-0.009 χ^2/NDF: 1537.0/47

Right: -0.048+/-0.028 χ^2/NDF: 1191.8/48

In: 0.872+/-0.012 χ^2/NDF:1792.1/44

Out: 0.892+/-0.012 χ^2/NDF:2158.5/51

All: 0.882+/-0.008 χ^2/NDF: 3952.0/96



Right In: -22.728+/-1.585 χ^2/NDF: 361.3/4

Left Out: -42.213+/-0.222 χ^2/NDF:18309.1/24

Right Out: -7.765+/-1.144 χ^2/NDF: 1207.5/7

Left In: -42.176+/-0.227 χ^2/NDF:14575.9/22

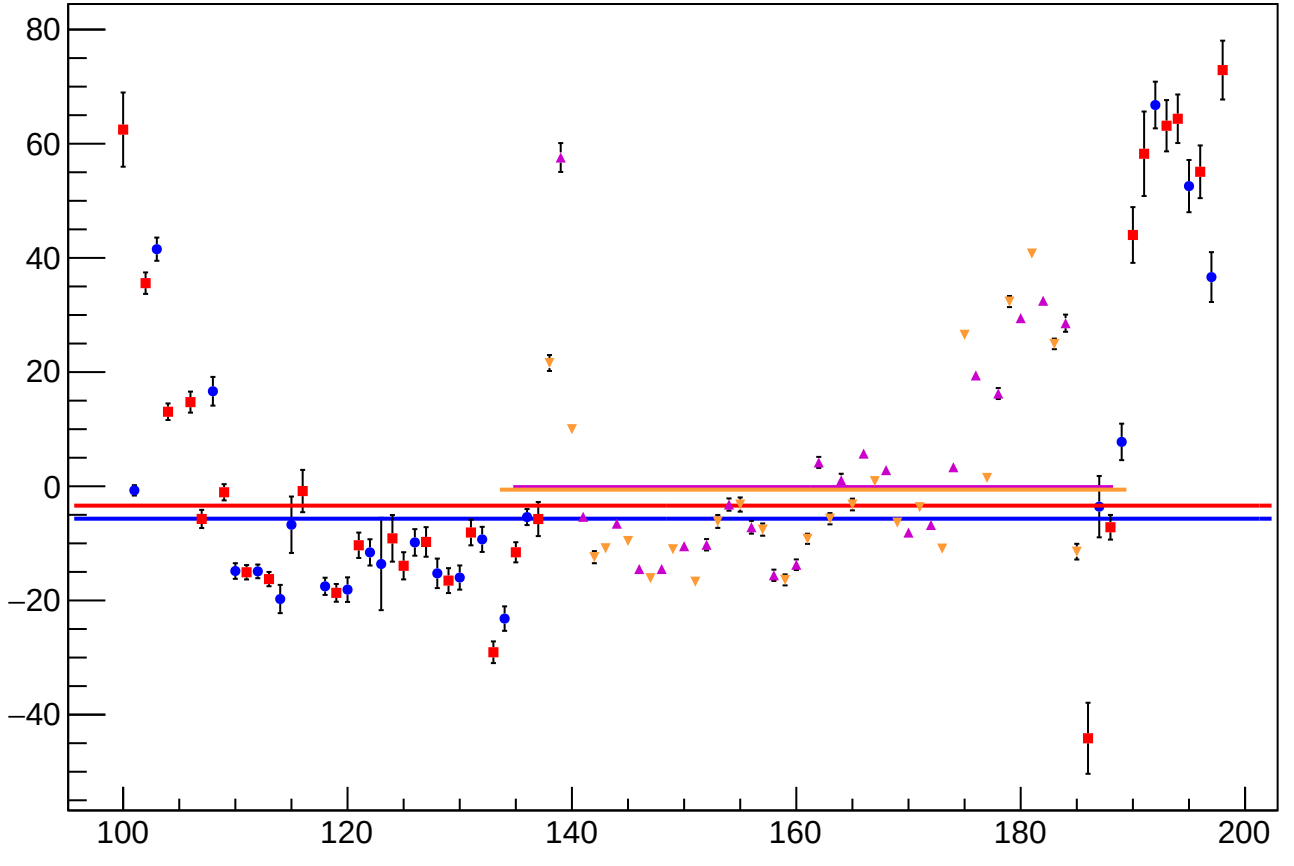
Left: -42.195+/-0.159 χ^2/NDF: 32885.0/47

Right: -12.888+/-0.927 χ^2/NDF: 1627.4/12

In: -41.785+/-0.225 χ^2/NDF:15084.8/27

Out: -40.962+/-0.218 χ^2/NDF:20391.1/32

All: -41.361+/-0.156 χ^2/NDF: 35482.8/60



Right In: -5.677+/-0.419 χ^2/NDF: 1585.4/21

Left Out: -0.590+/-0.174 χ^2/NDF:8750.9/24

Right Out: -3.389+/-0.411 χ^2/NDF: 2397.0/26

Left In: -0.142+/-0.179 χ^2/NDF:6862.5/22

Left: -0.372+/-0.125 χ^2/NDF: 15616.6/47

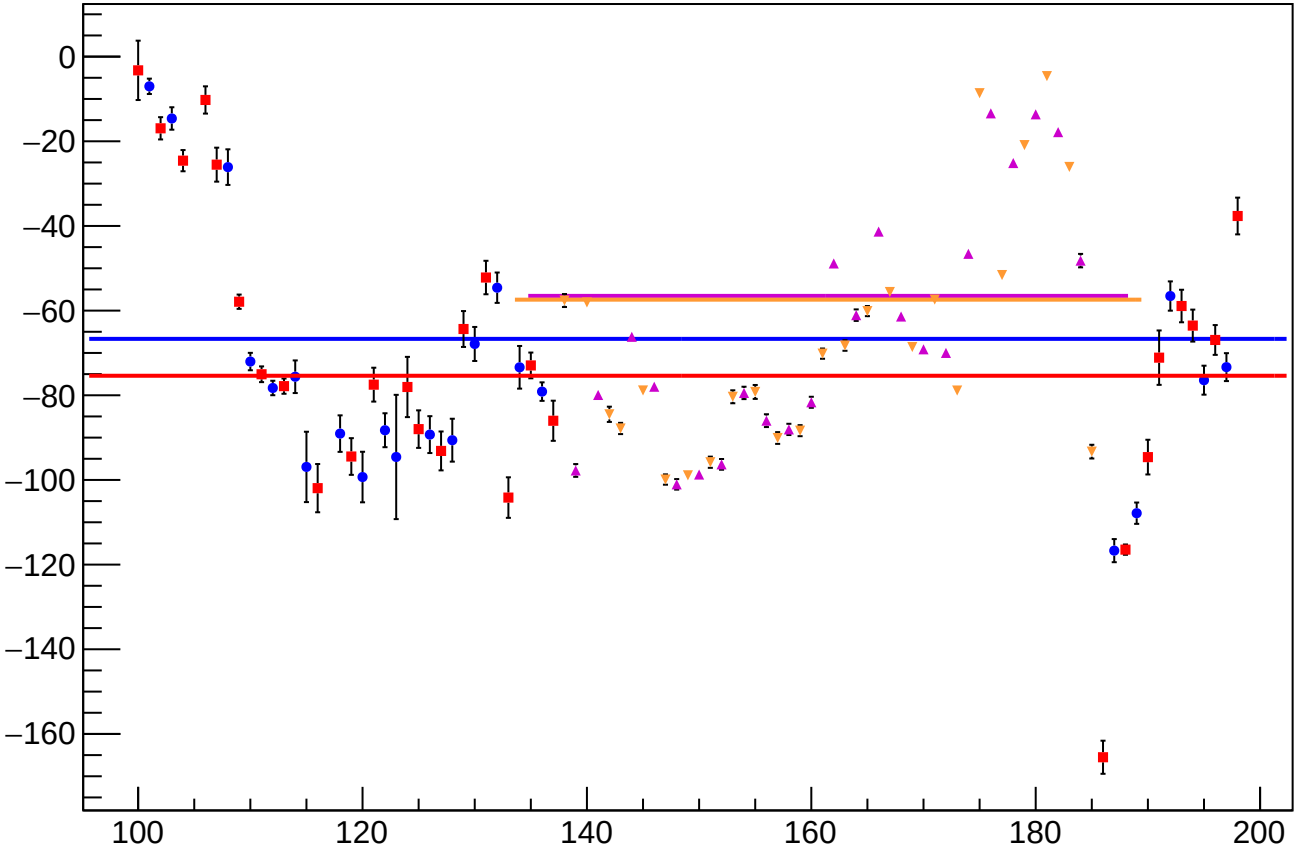
Right: -4.510+/-0.294 χ^2/NDF: 3997.6/48

In: -0.996+/-0.165 χ^2/NDF:8595.2/44

Out: -1.016+/-0.160 χ^2/NDF:11187.2/51

All: -1.006+/-0.115 χ^2/NDF: 19782.4/96

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.674+/-0.653 χ^2/NDF: 2437.0/21

Left Out: -57.413+/-0.223 χ^2/NDF:18604.1/24

Right Out: -75.387+/-0.567 χ^2/NDF: 3631.9/26

Left In: -56.519+/-0.227 χ^2/NDF:16352.6/22

Left: -56.974+/-0.159 χ^2/NDF: 34964.5/47

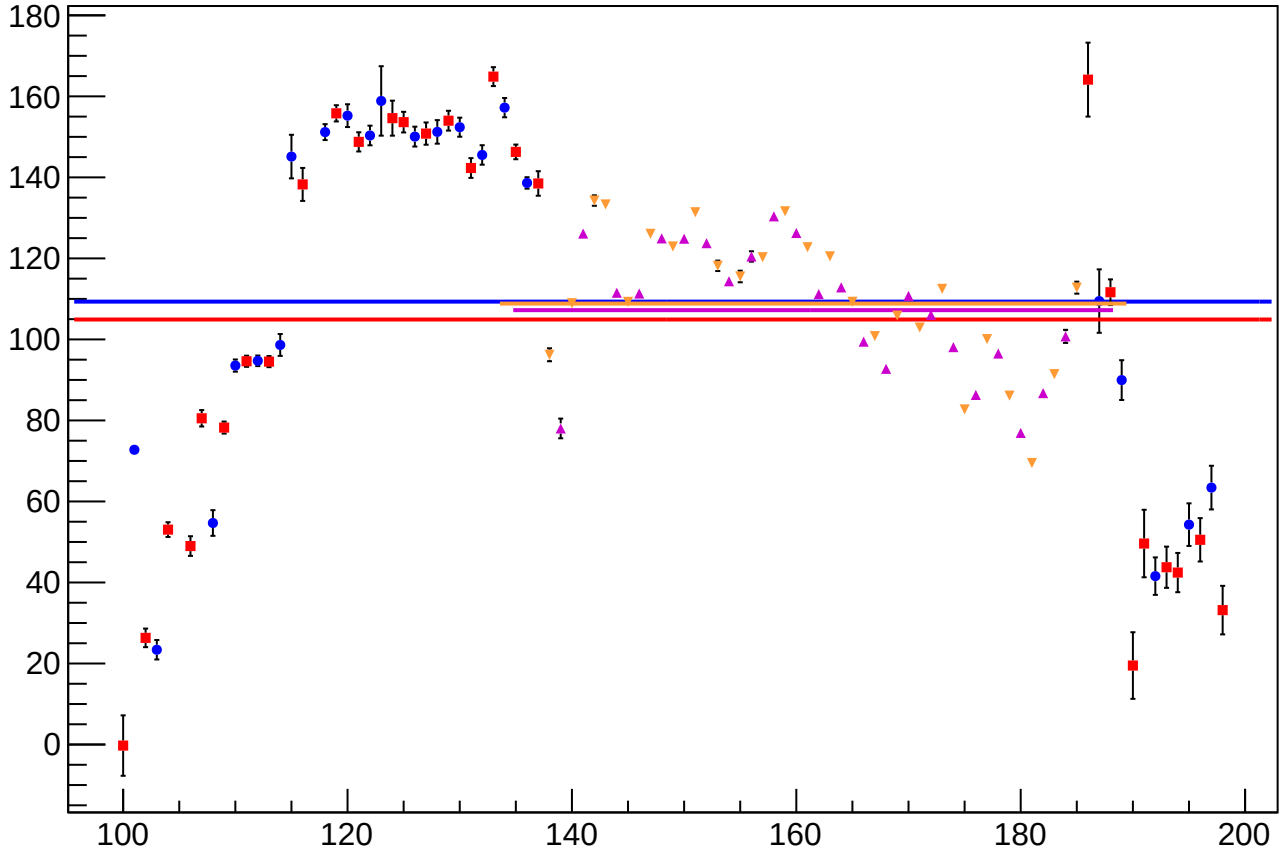
Right: -71.640+/-0.428 χ^2/NDF: 6170.4/48

In: -57.614+/-0.214 χ^2/NDF:19005.2/44

Out: -59.822+/-0.208 χ^2/NDF:23105.2/51

All: -58.753+/-0.149 χ^2/NDF: 42165.1/96

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 109.329+/-0.480 χ^2/NDF: 6289.6/21

Left Out: 108.846+/-0.197 χ^2/NDF:7400.2/24

Right Out: 104.914+/-0.472 χ^2/NDF: 7820.6/26

Left In: 107.225+/-0.202 χ^2/NDF:5565.3/22

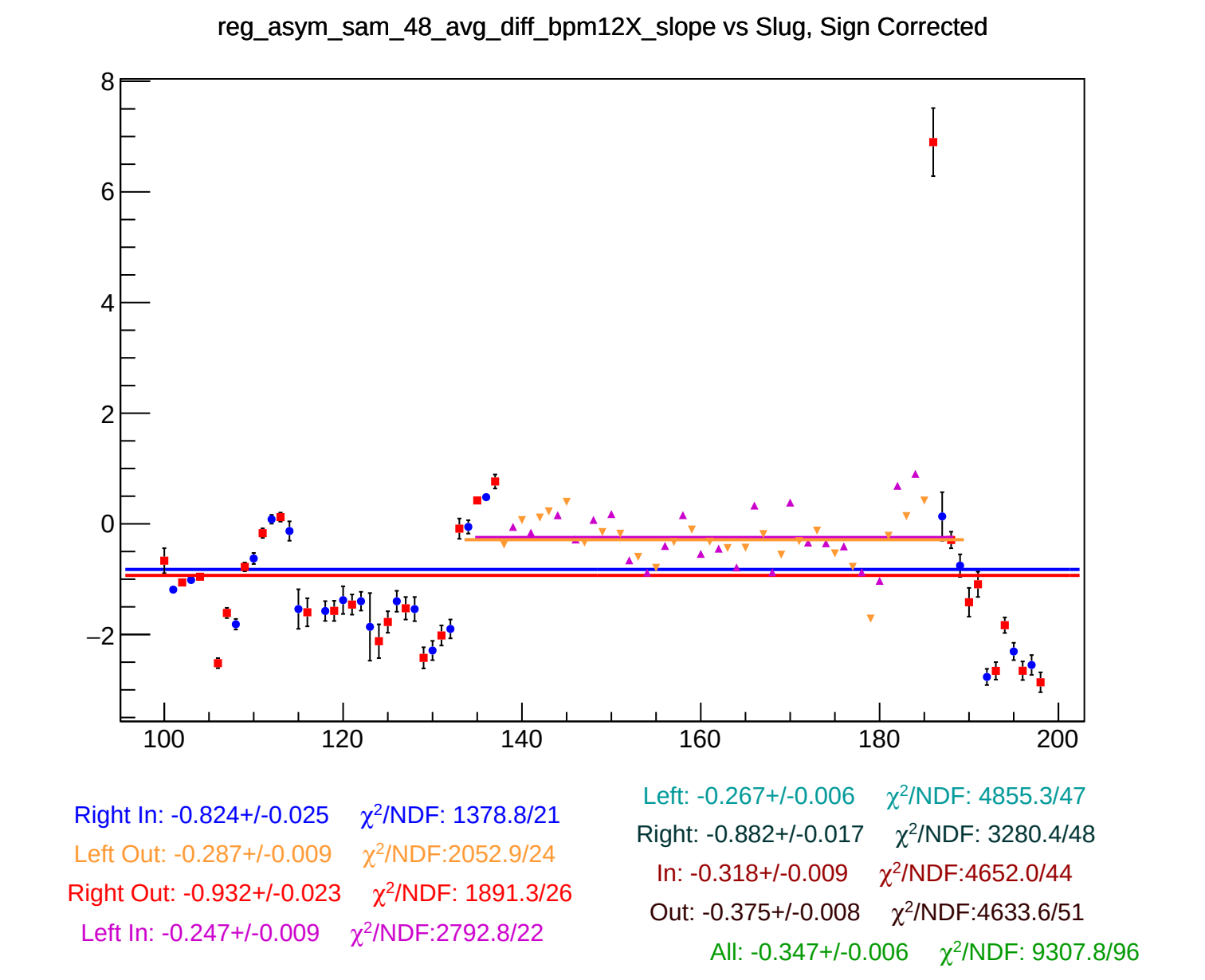
Left: 108.056+/-0.141 χ^2/NDF: 12998.4/47

Right: 107.087+/-0.337 χ^2/NDF: 14153.2/48

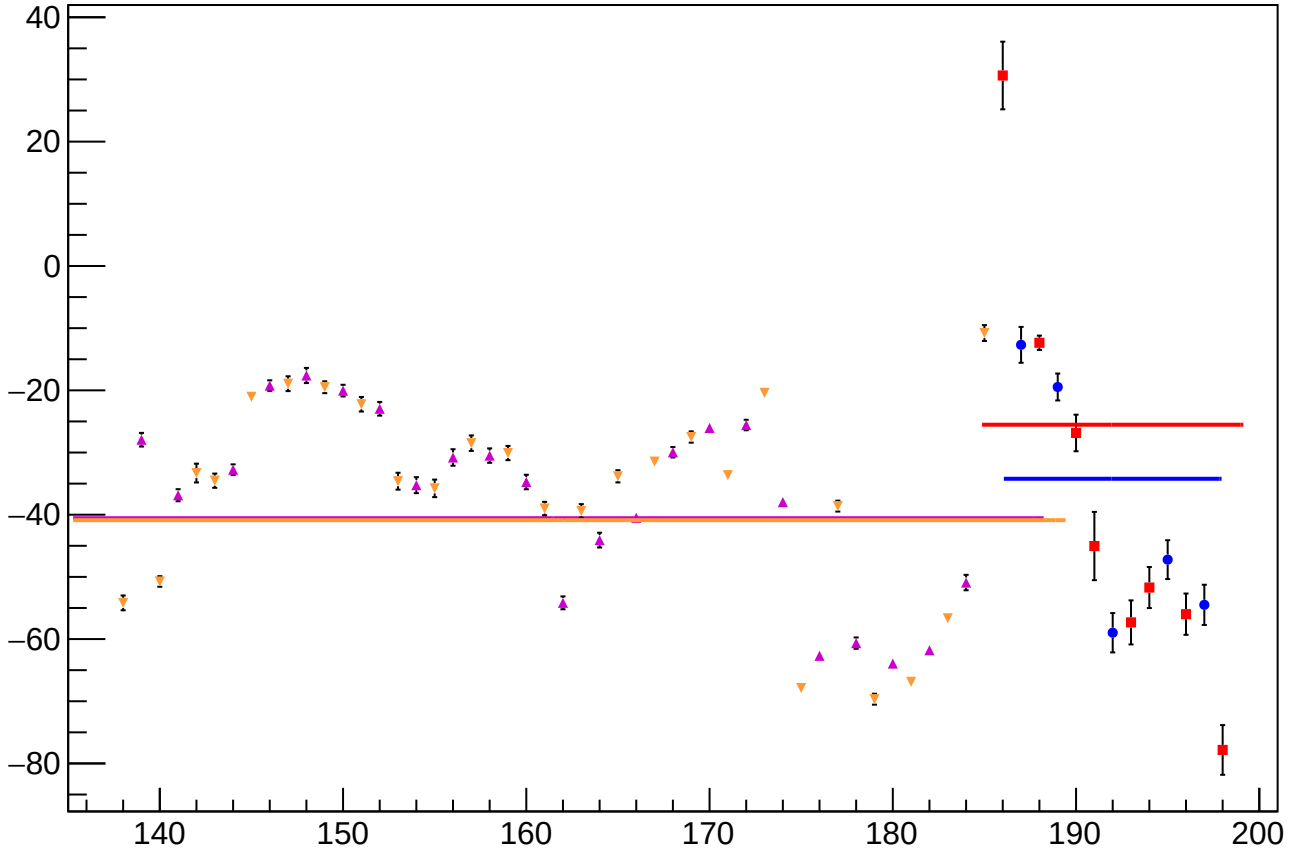
In: 107.543+/-0.186 χ^2/NDF:11871.2/44

Out: 108.262+/-0.182 χ^2/NDF:15279.8/51

All: 107.911+/-0.130 χ^2/NDF: 27158.7/96


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.824+/-0.025 χ²/NDF: 1378.8/21
Left Out: -0.287+/-0.009 χ²/NDF:2052.9/24
Right Out: -0.932+/-0.023 χ²/NDF: 1891.3/26
Left In: -0.247+/-0.009 χ²/NDF:2792.8/22
Left: -0.267+/-0.006 χ²/NDF: 4855.3/47
Right: -0.882+/-0.017 χ²/NDF: 3280.4/48
In: -0.318+/-0.009 χ²/NDF:4652.0/44
Out: -0.375+/-0.008 χ²/NDF:4633.6/51
All: -0.347+/-0.006 χ²/NDF: 9307.8/96

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.220+/-1.258 χ^2/NDF: 220.3/4

Left Out: -40.880+/-0.186 χ^2/NDF:9123.2/24

Right Out: -25.527+/-0.892 χ^2/NDF: 648.3/7

Left In: -40.567+/-0.190 χ^2/NDF:6954.7/22

Left: -40.726+/-0.133 χ^2/NDF: 16079.4/47

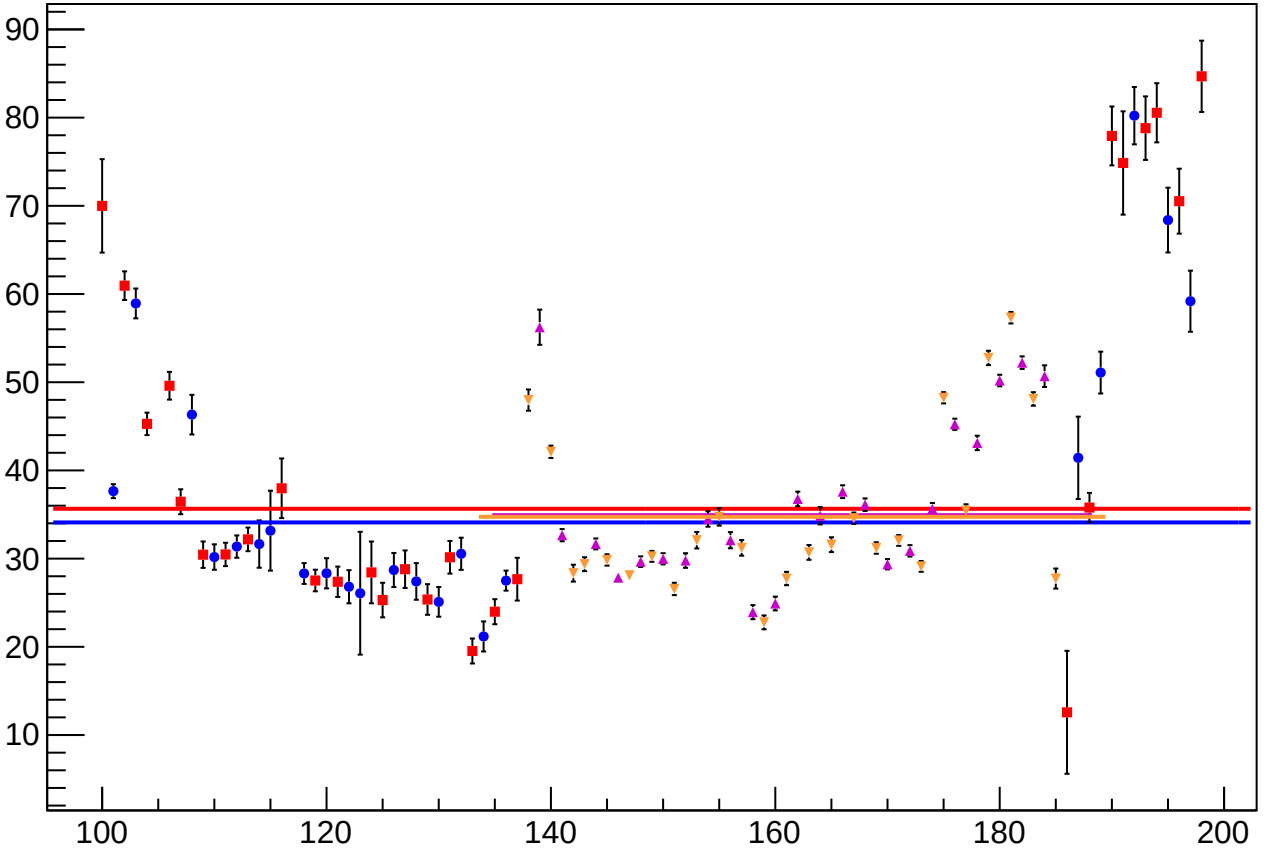
Right: -28.436+/-0.728 χ^2/NDF: 900.4/12

In: -40.425+/-0.188 χ^2/NDF:7200.0/27

Out: -40.239+/-0.182 χ^2/NDF:10055.5/32

All: -40.329+/-0.131 χ^2/NDF: 17256.0/60

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 34.103+/-0.364 χ^2/NDF: 866.7/21

Left Out: 34.741+/-0.147 χ^2/NDF:3693.2/24

Right Out: 35.650+/-0.359 χ^2/NDF: 1592.5/26

Left In: 34.922+/-0.152 χ^2/NDF:2672.9/22

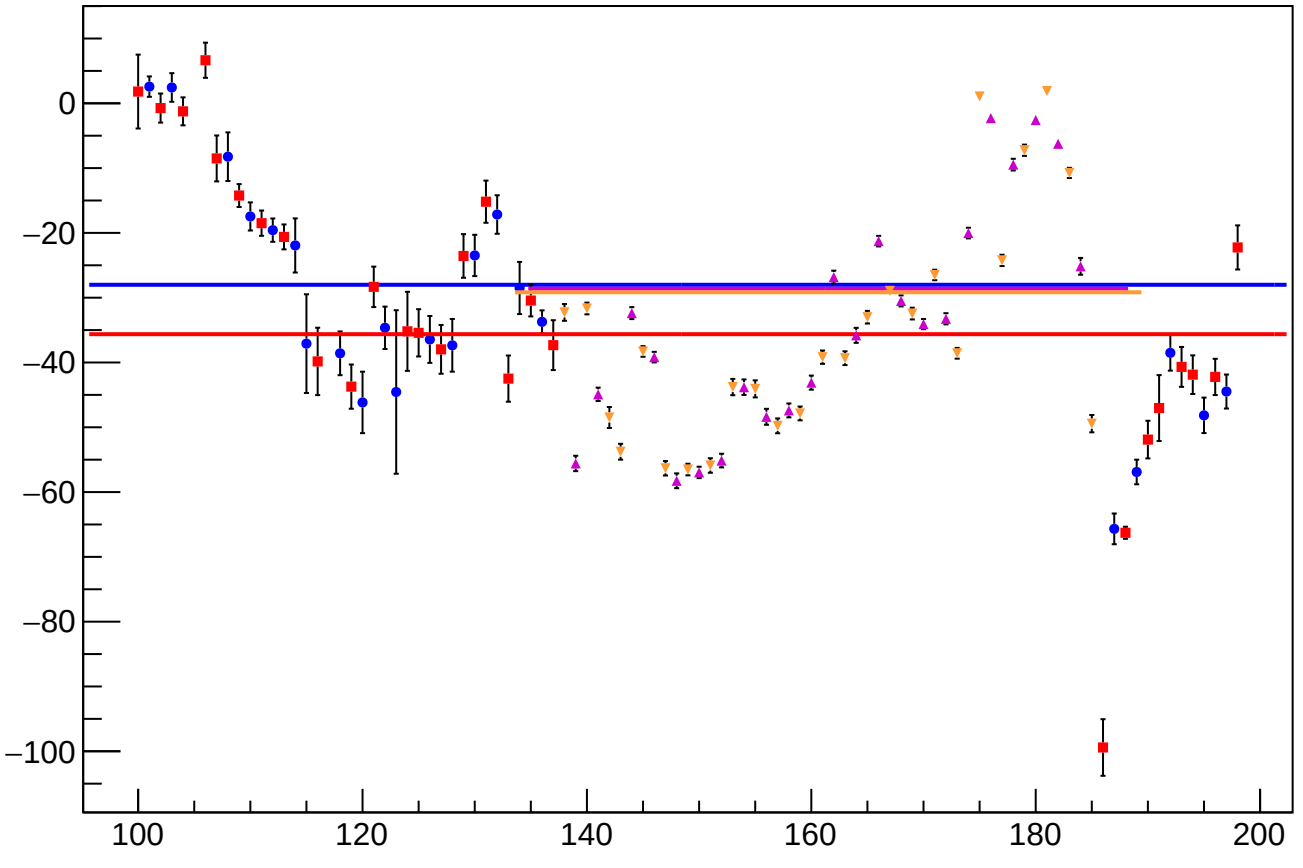
Left: 34.829+/-0.106 χ^2/NDF: 6366.8/47

Right: 34.886+/-0.256 χ^2/NDF: 2468.4/48

In: 34.801+/-0.140 χ^2/NDF:3544.0/44

Out: 34.872+/-0.136 χ^2/NDF:5291.2/51

All: 34.837+/-0.098 χ^2/NDF: 8835.3/96



Right In: -28.008+/-0.568 χ^2/NDF: 1302.6/21

Left Out: -29.163+/-0.187 χ^2/NDF:10126.0/24

Right Out: -35.632+/-0.488 χ^2/NDF: 2551.7/26

Left In: -28.616+/-0.190 χ^2/NDF:9040.9/22

Left: -28.894+/-0.133 χ^2/NDF: 19171.1/47

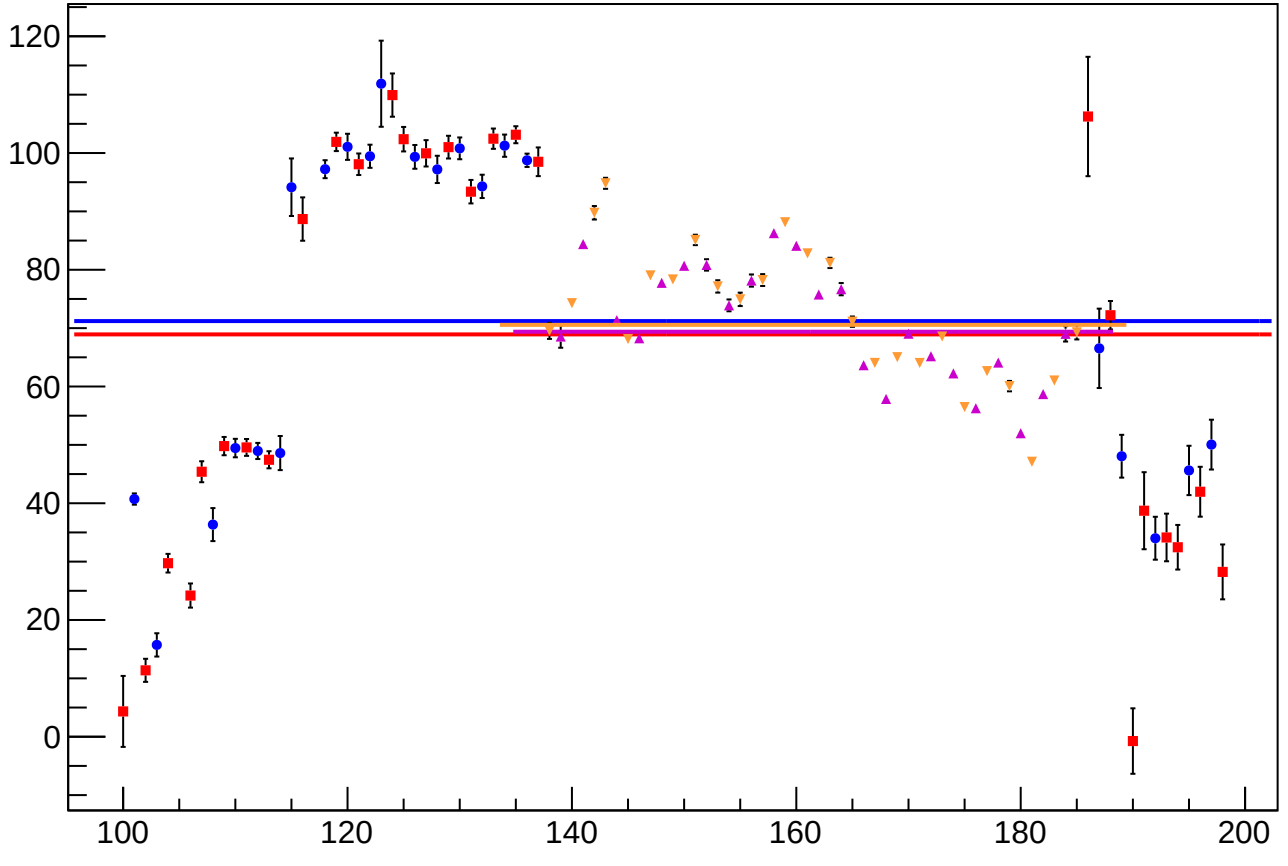
Right: -32.390+/-0.370 χ^2/NDF: 3957.9/48

In: -28.555+/-0.180 χ^2/NDF:10344.5/44

Out: -29.991+/-0.175 χ^2/NDF:12830.8/51

All: -29.295+/-0.125 χ^2/NDF: 23208.1/96

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.209+/-0.418 χ^2/NDF: 4885.7/21

Left Out: 70.563+/-0.166 χ^2/NDF:4589.1/24

Right Out: 68.927+/-0.416 χ^2/NDF: 5981.9/26

Left In: 69.387+/-0.170 χ^2/NDF:3321.8/22

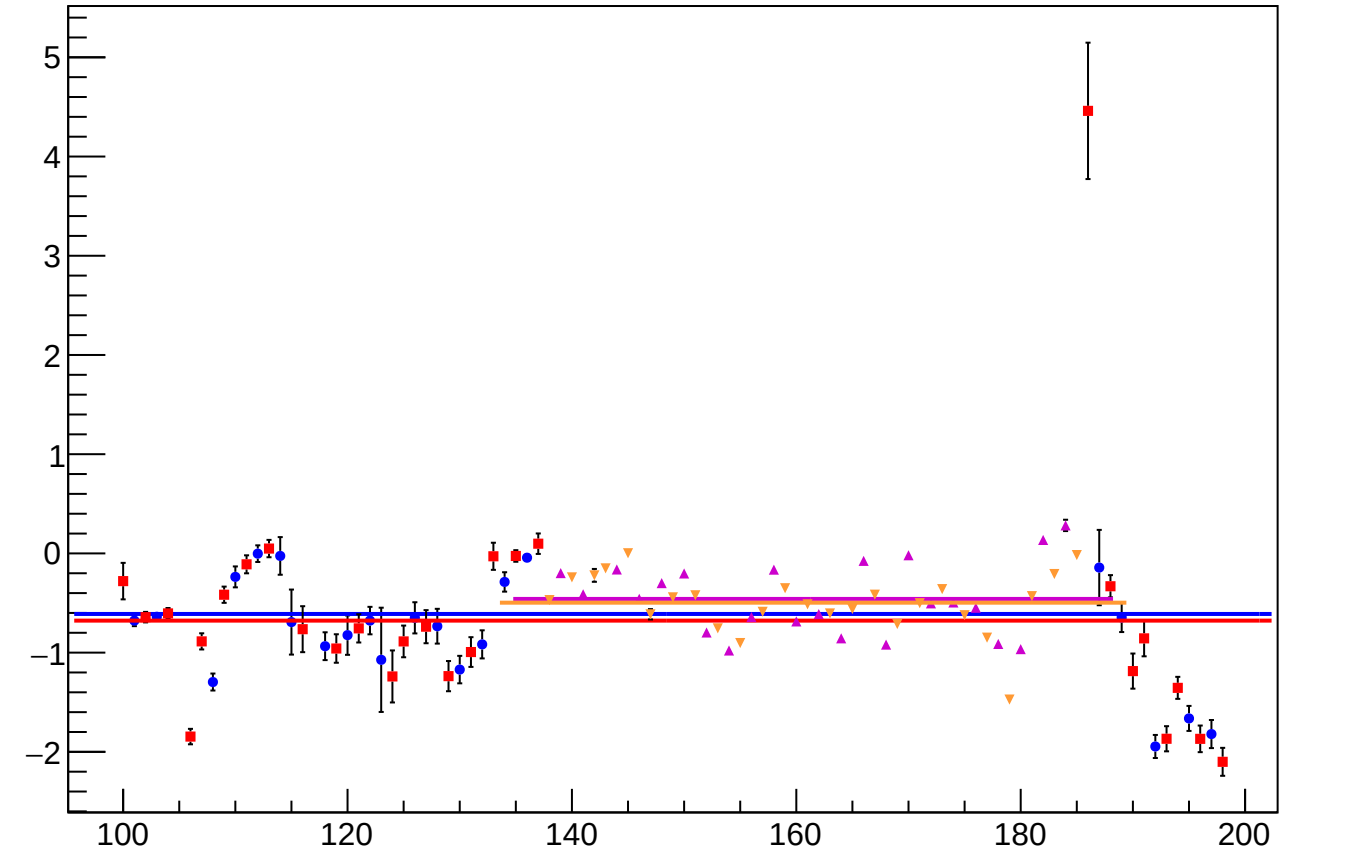
Left: 69.989+/-0.119 χ^2/NDF: 7935.4/47

Right: 70.062+/-0.295 χ^2/NDF: 10882.5/48

In: 69.646+/-0.158 χ^2/NDF:8223.8/44

Out: 70.338+/-0.154 χ^2/NDF:10584.3/51

All: 69.999+/-0.110 χ^2/NDF: 18817.9/96



Right In: -0.610+/-0.021 χ^2/NDF: 603.4/21

Left Out: -0.497+/-0.008 χ^2/NDF:1449.3/24

Right Out: -0.677+/-0.020 χ^2/NDF: 970.3/26

Left In: -0.459+/-0.008 χ^2/NDF:1958.4/22

Left: -0.478+/-0.005 χ^2/NDF: 3419.9/47

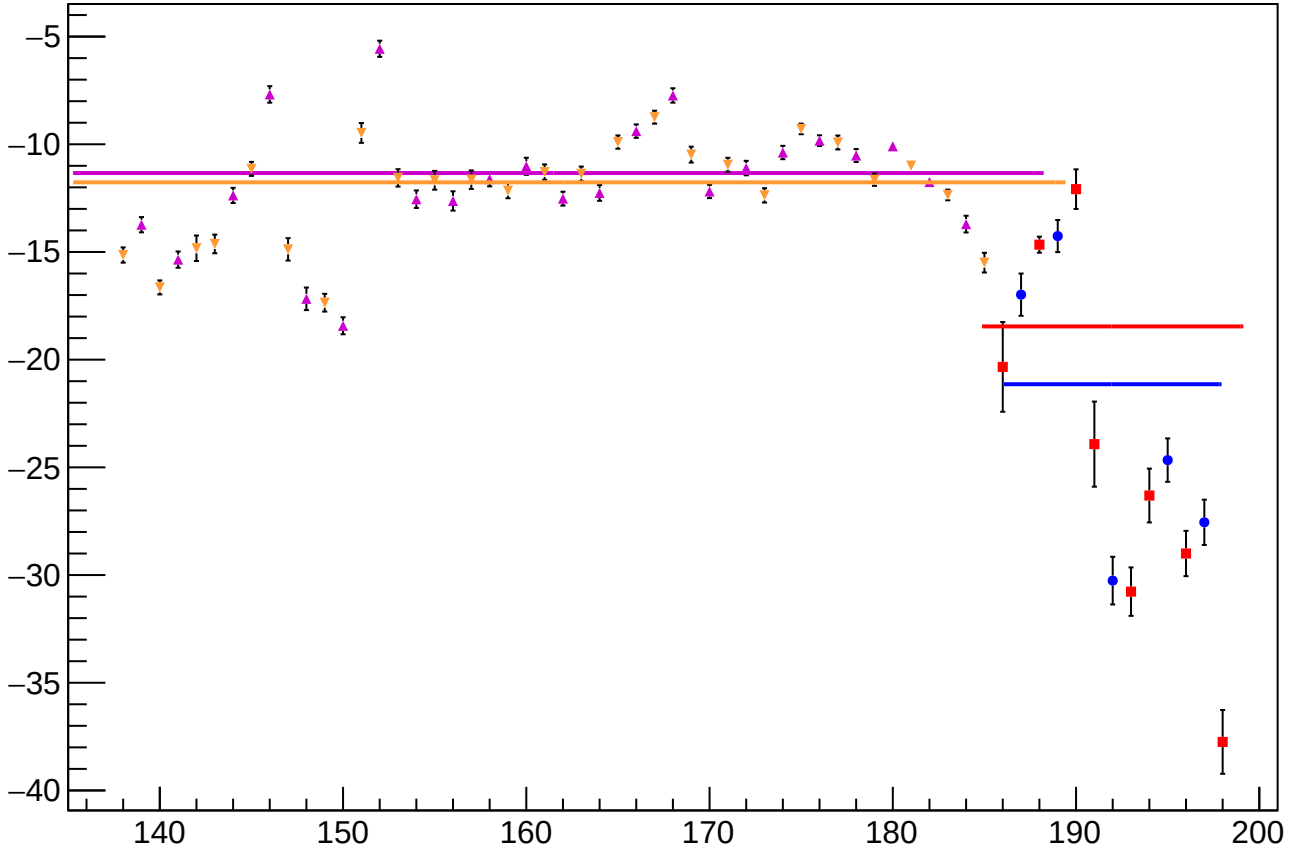
Right: -0.646+/-0.014 χ^2/NDF: 1579.0/48

In: -0.477+/-0.007 χ^2/NDF:2607.2/44

Out: -0.520+/-0.007 χ^2/NDF:2492.6/51

All: -0.499+/-0.005 χ^2/NDF: 5118.0/96

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -21.141+/-0.425 χ^2/NDF: 220.5/4

Left Out: -11.767+/-0.067 χ^2/NDF:1020.8/24

Right Out: -18.457+/-0.293 χ^2/NDF: 590.0/7

Left In: -11.336+/-0.068 χ^2/NDF:1269.3/22

Left: -11.556+/-0.048 χ^2/NDF: 2310.6/47

Right: -19.321+/-0.241 χ^2/NDF: 837.6/12

In: -11.581+/-0.067 χ^2/NDF:2009.6/27

Out: -12.097+/-0.065 χ^2/NDF:2107.6/32

All: -11.848+/-0.047 χ^2/NDF: 4147.7/60

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -34.686+/-0.145 χ^2/NDF: 1598.2/21

Left Out: -30.212+/-0.054 χ^2/NDF:734.0/24

Right Out: -35.096+/-0.140 χ^2/NDF: 2229.4/26

Left In: -30.124+/-0.056 χ^2/NDF:1226.2/22

Left: -30.169+/-0.039 χ^2/NDF: 1961.5/47

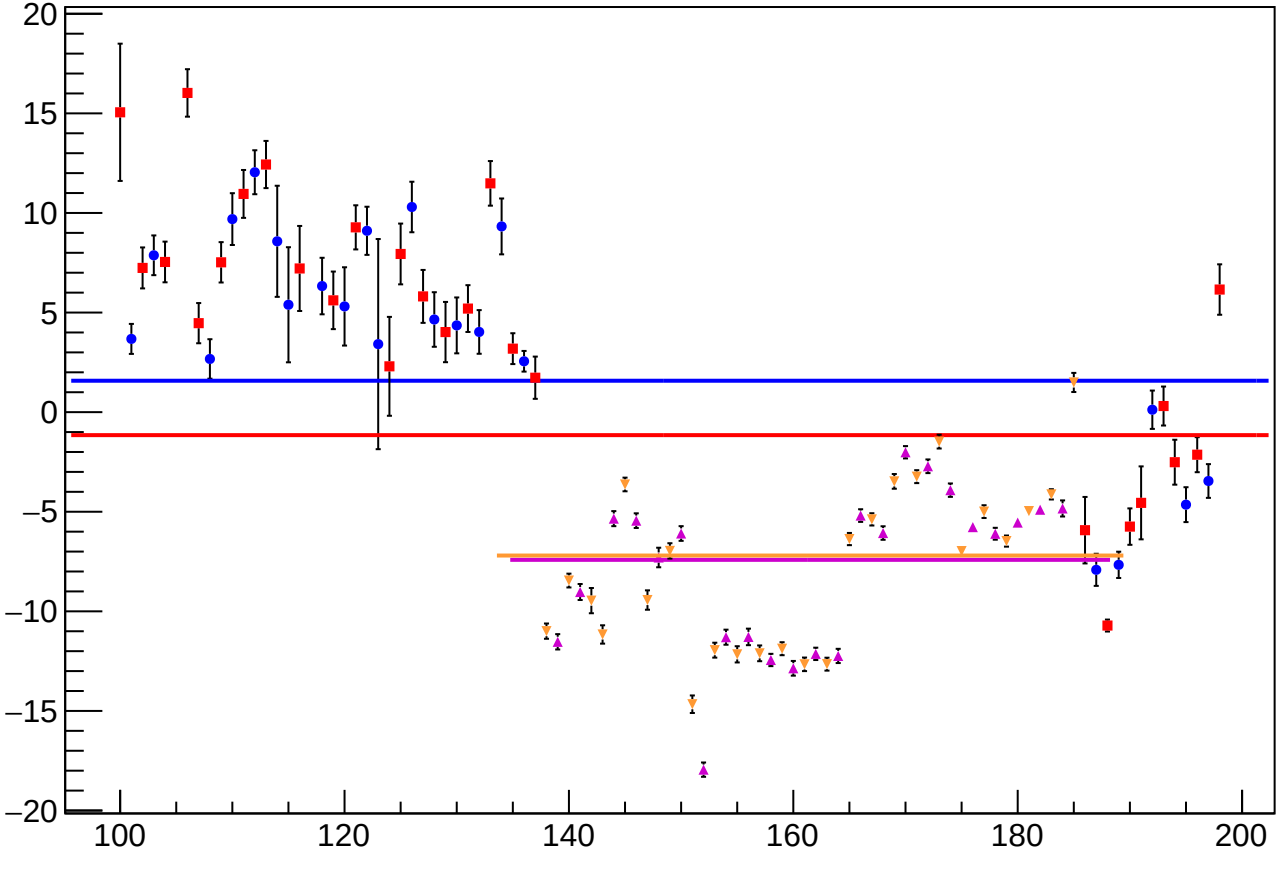
Right: -34.899+/-0.101 χ^2/NDF: 3831.7/48

In: -30.705+/-0.052 χ^2/NDF:3685.5/44

Out: -30.843+/-0.050 χ^2/NDF:4025.7/51

All: -30.776+/-0.036 χ^2/NDF: 7714.8/96

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.577+/-0.217 χ^2/NDF: 757.8/21

Left Out: -7.199+/-0.067 χ^2/NDF:3037.3/24

Right Out: -1.154+/-0.183 χ^2/NDF: 2193.2/26

Left In: -7.415+/-0.068 χ^2/NDF:3123.3/22

Left: -7.305+/-0.048 χ^2/NDF: 6165.7/47

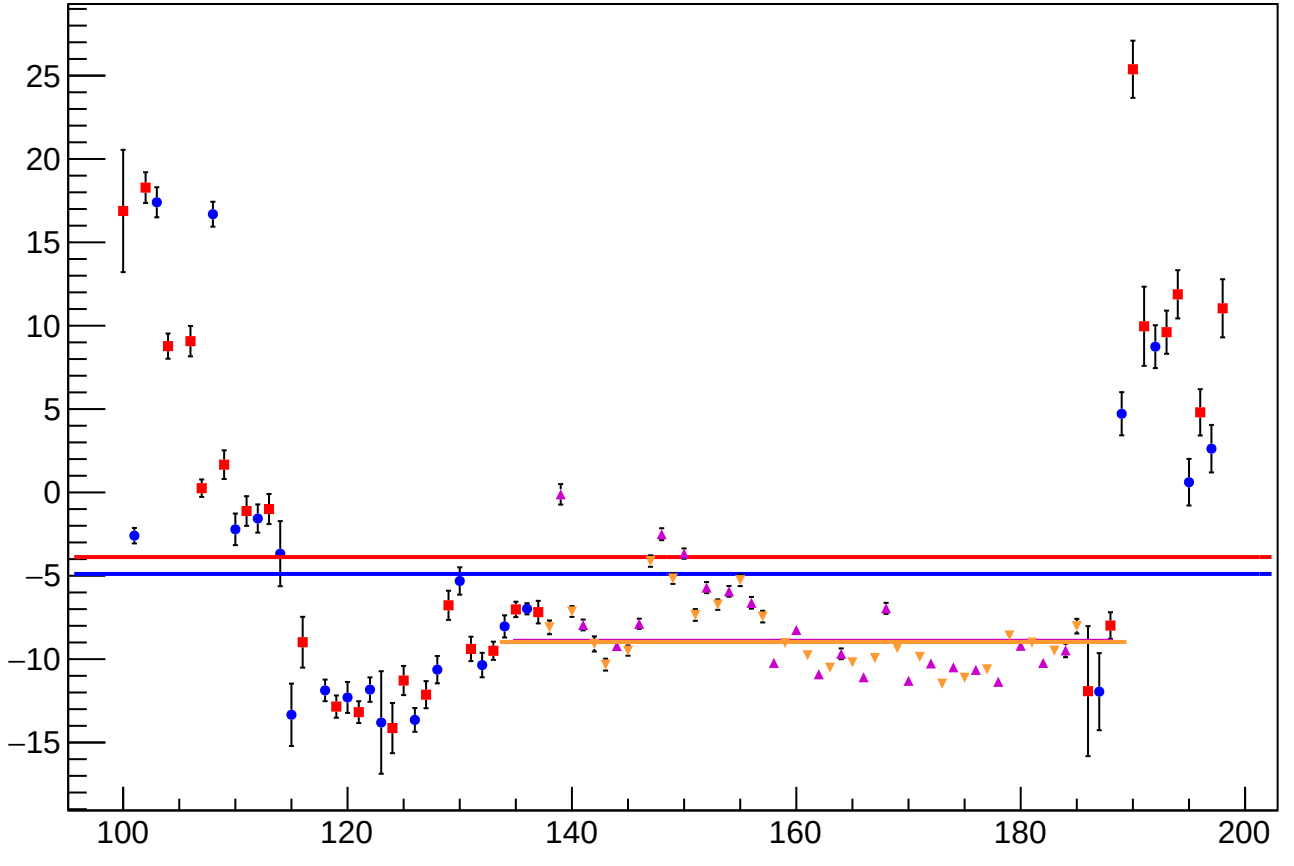
Right: -0.020+/-0.140 χ^2/NDF: 3043.8/48

In: -6.613+/-0.065 χ^2/NDF:5446.8/44

Out: -6.485+/-0.063 χ^2/NDF:6195.2/51

All: -6.547+/-0.045 χ^2/NDF: 11643.9/96

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.890+/-0.165 χ^2/NDF: 2327.8/21

Left Out: -8.970+/-0.060 χ^2/NDF:878.8/24

Right Out: -3.877+/-0.163 χ^2/NDF: 2770.3/26

Left In: -8.900+/-0.062 χ^2/NDF:1533.9/22

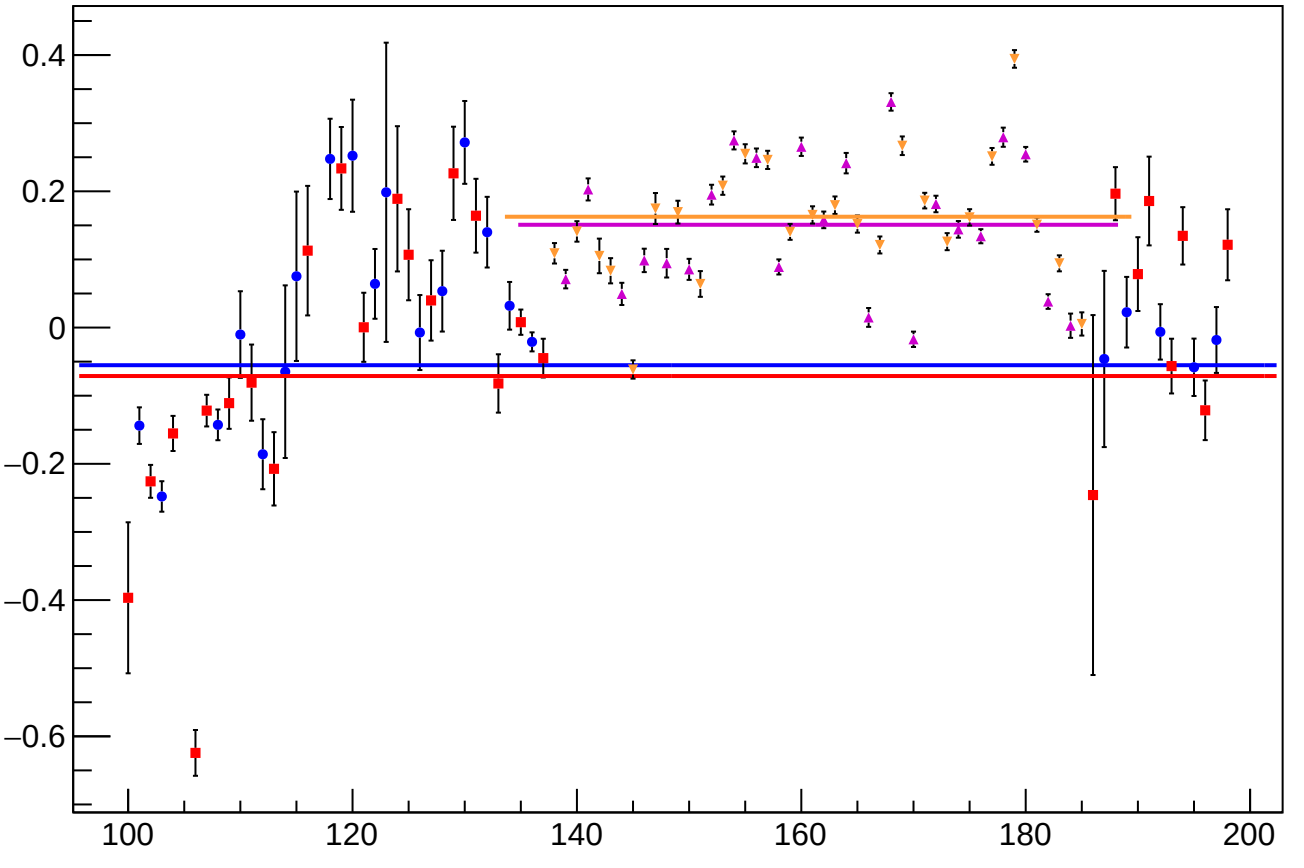
Left: -8.936+/-0.043 χ^2/NDF: 2413.4/47

Right: -4.377+/-0.116 χ^2/NDF: 5117.0/48

In: -8.411+/-0.058 χ^2/NDF:4378.1/44

Out: -8.362+/-0.056 χ^2/NDF:4503.8/51

All: -8.386+/-0.040 χ^2/NDF: 8882.3/96



Right In: -0.055+/-0.008 χ^2/NDF: 219.2/21

Left Out: 0.163+/-0.003 χ^2/NDF:1018.1/24

Right Out: -0.071+/-0.008 χ^2/NDF: 557.6/26

Left In: 0.151+/-0.003 χ^2/NDF:1286.5/22

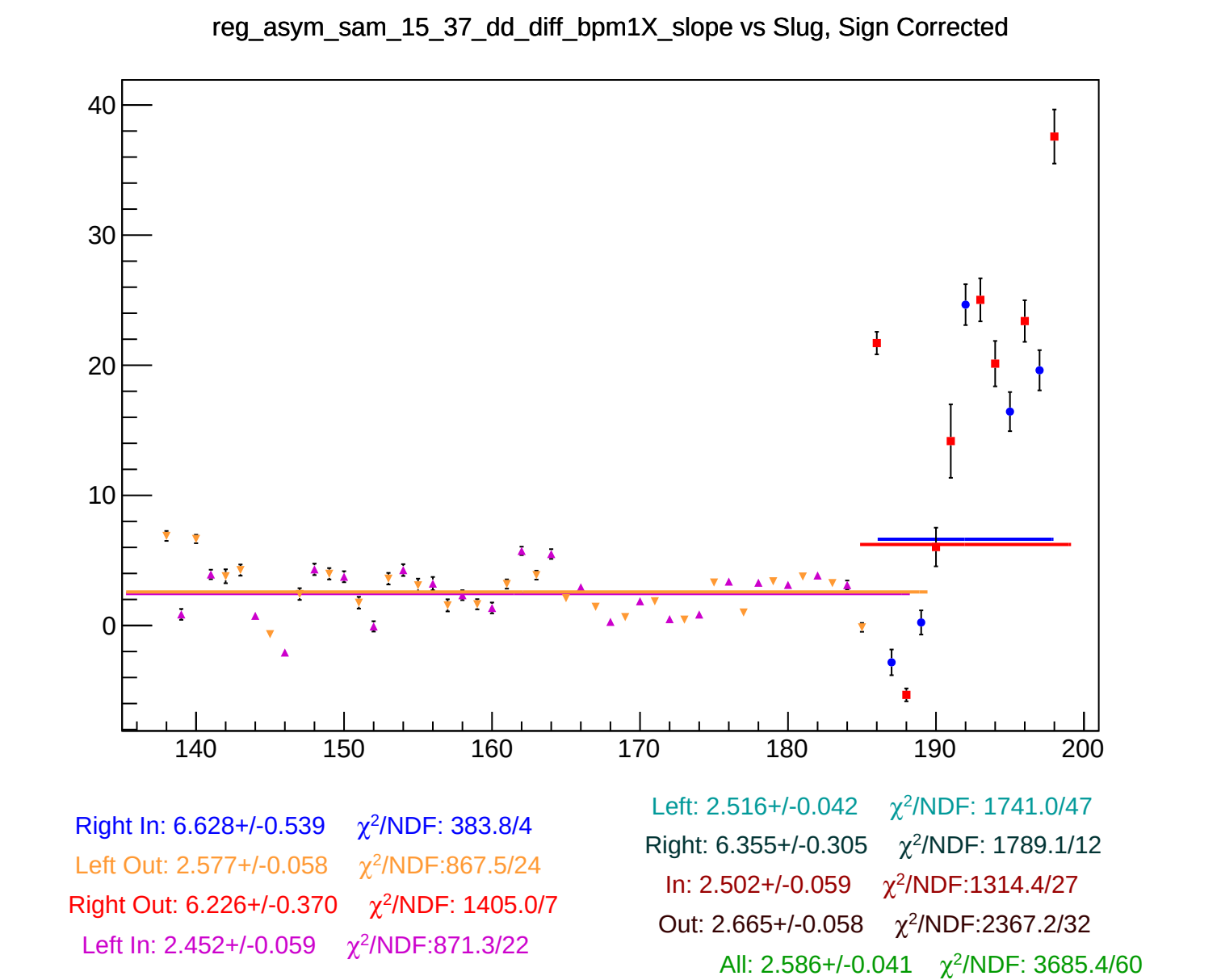
Left: 0.157+/-0.002 χ^2/NDF: 2313.9/47

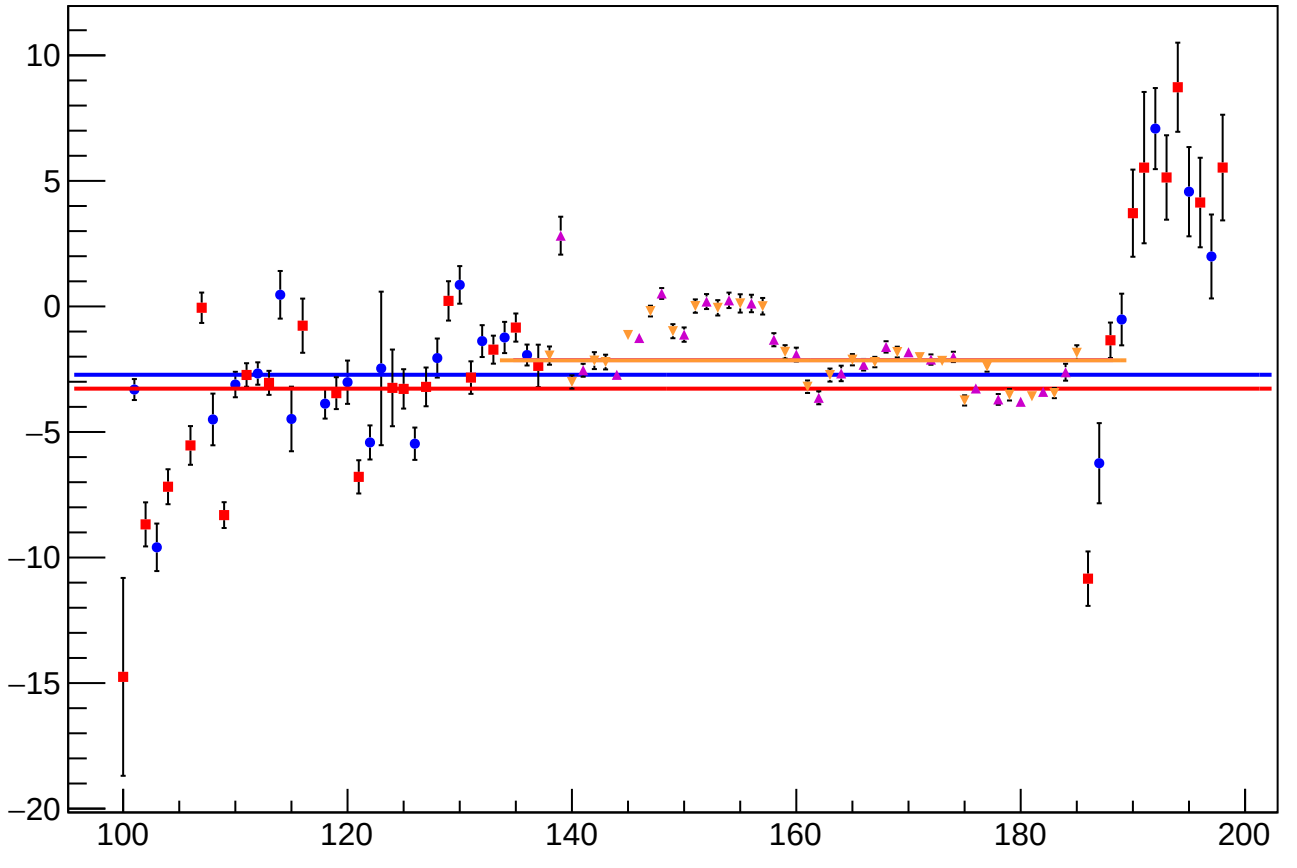
Right: -0.063+/-0.005 χ^2/NDF: 778.9/48

In: 0.128+/-0.003 χ^2/NDF:2117.3/44

Out: 0.136+/-0.003 χ^2/NDF:2415.9/51

All: 0.132+/-0.002 χ^2/NDF: 4537.7/96


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
140
150
160
170
180
190
200
Right In: 6.628+/-0.539 χ²/NDF: 383.8/4
Left Out: 2.577+/-0.058 χ²/NDF:867.5/24
Right Out: 6.226+/-0.370 χ²/NDF: 1405.0/7
Left In: 2.452+/-0.059 χ²/NDF:871.3/22
Left: 2.516+/-0.042 χ²/NDF: 1741.0/47
Right: 6.355+/-0.305 χ²/NDF: 1789.1/12
In: 2.502+/-0.059 χ²/NDF:1314.4/27
Out: 2.665+/-0.058 χ²/NDF:2367.2/32
All: 2.586+/-0.041 χ²/NDF: 3685.4/60



Right In: -2.721+/-0.151 χ^2/NDF: 217.7/21

Left Out: -2.146+/-0.048 χ^2/NDF:573.4/24

Right Out: -3.274+/-0.147 χ^2/NDF: 480.7/26

Left In: -2.136+/-0.048 χ^2/NDF:691.2/22

Left: -2.141+/-0.034 χ^2/NDF: 1264.6/47

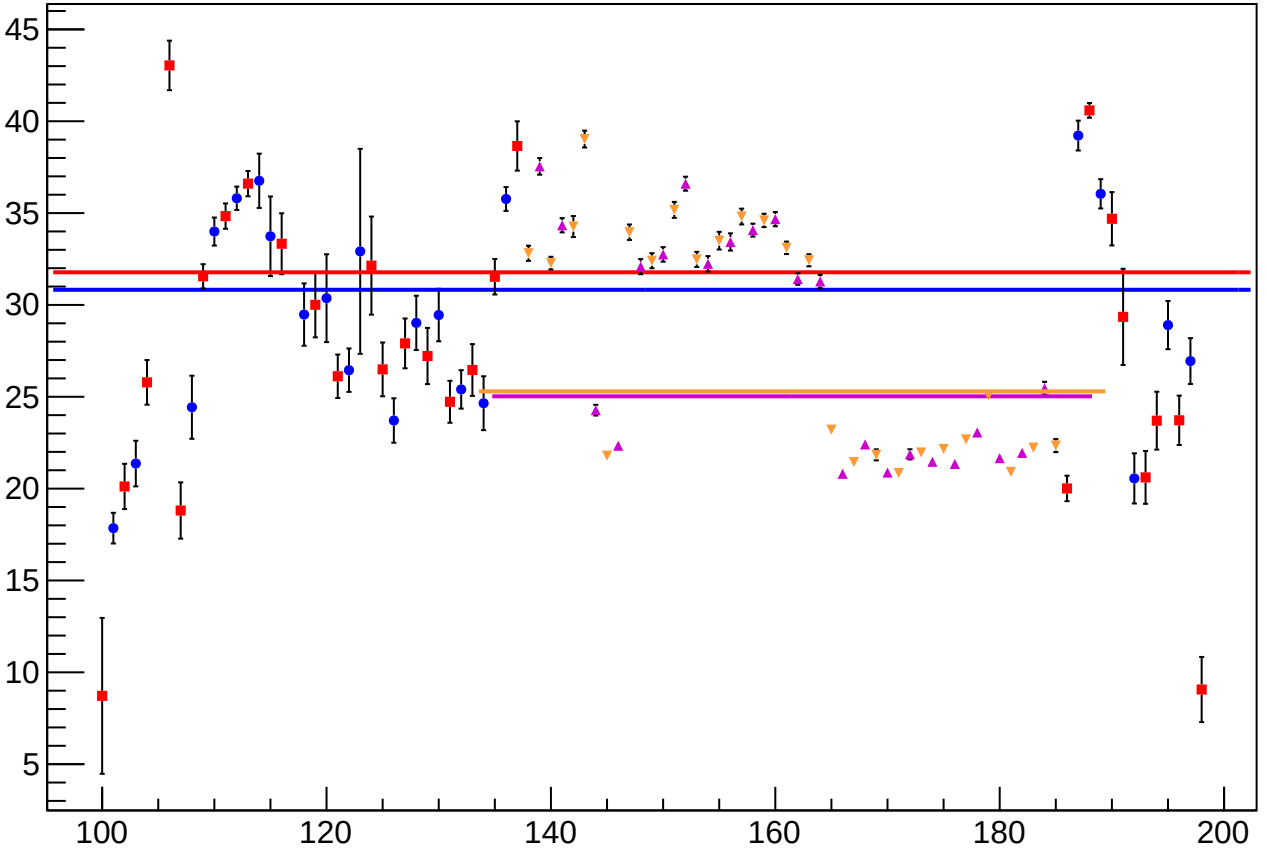
Right: -3.005+/-0.105 χ^2/NDF: 705.3/48

In: -2.191+/-0.046 χ^2/NDF:922.6/44

Out: -2.253+/-0.045 χ^2/NDF:1107.3/51

All: -2.222+/-0.032 χ^2/NDF: 2030.8/96

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.825+/-0.231 χ^2/NDF: 782.3/21

Left Out: 25.296+/-0.059 χ^2/NDF:8272.3/24

Right Out: 31.777+/-0.198 χ^2/NDF: 1551.8/26

Left In: 25.025+/-0.060 χ^2/NDF:7610.5/22

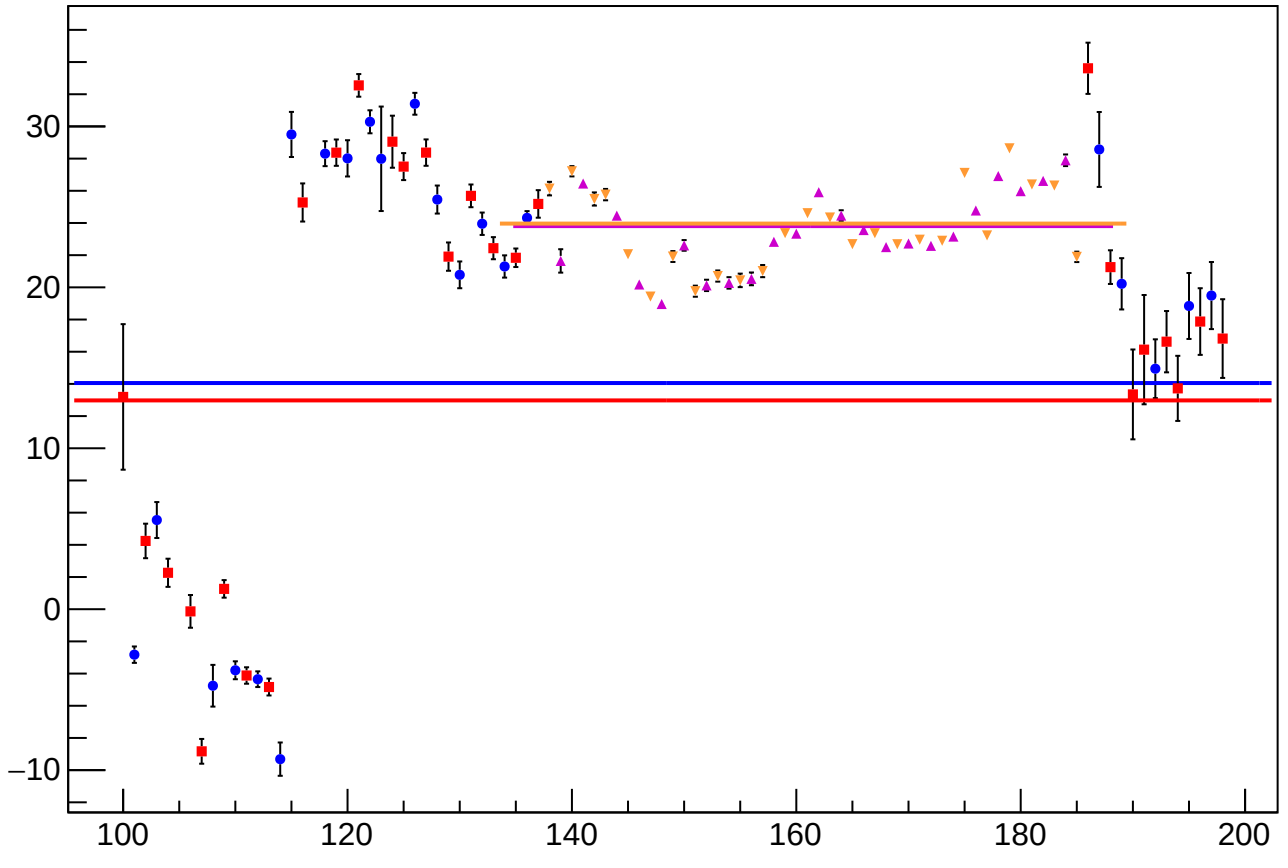
Left: 25.162+/-0.042 χ^2/NDF: 15893.3/47

Right: 31.372+/-0.150 χ^2/NDF: 2343.9/48

In: 25.388+/-0.058 χ^2/NDF:8985.4/44

Out: 25.821+/-0.056 χ^2/NDF:10806.6/51

All: 25.609+/-0.040 χ^2/NDF: 19820.7/96



Right In: 14.054+/-0.170 χ^2/NDF: 7342.9/21

Left Out: 23.962+/-0.053 χ^2/NDF:1922.4/24

Right Out: 12.975+/-0.168 χ^2/NDF: 7207.4/26

Left In: 23.805+/-0.054 χ^2/NDF:1761.3/22

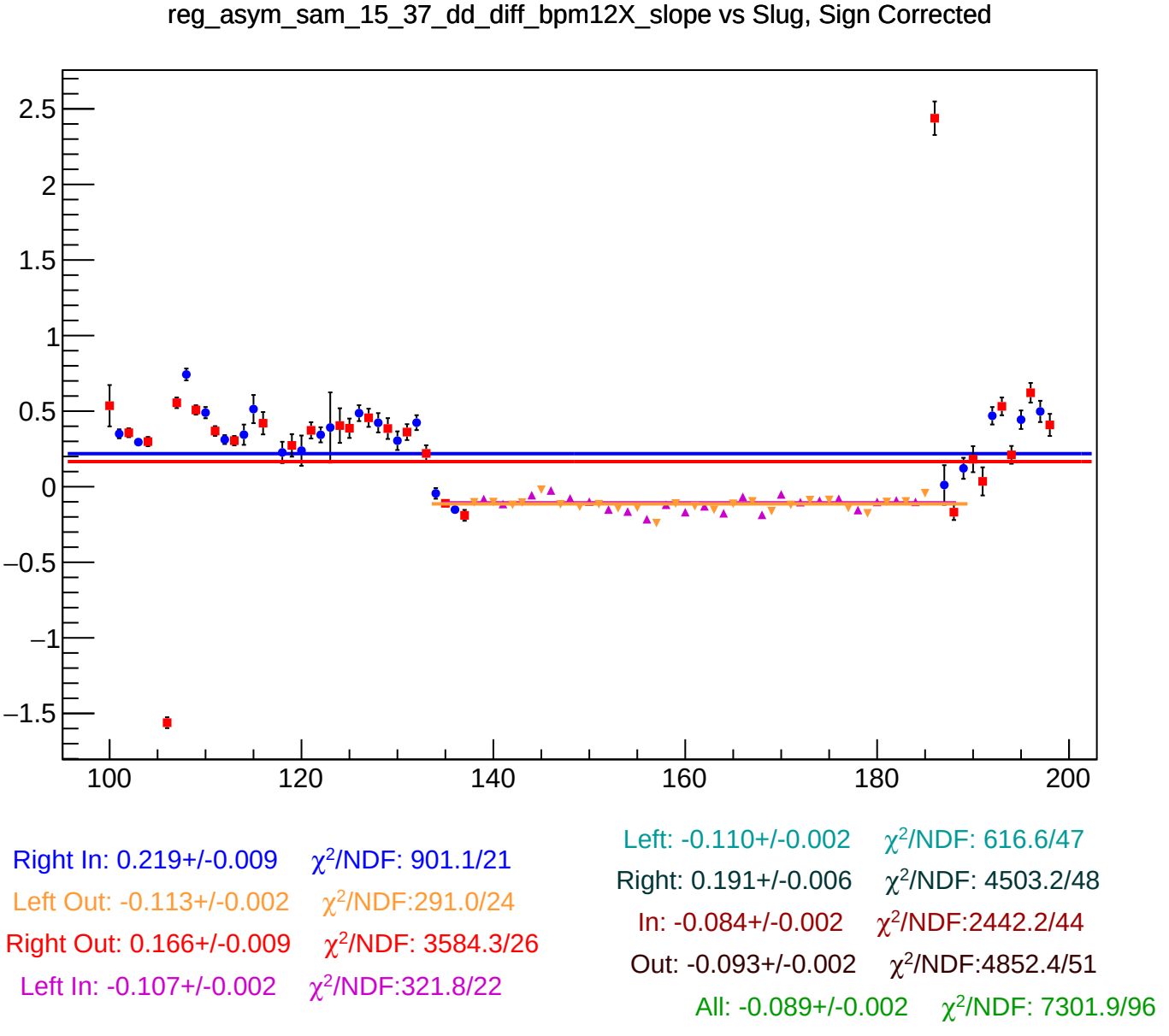
Left: 23.885+/-0.038 χ^2/NDF: 3688.0/47

Right: 13.509+/-0.119 χ^2/NDF: 14570.7/48

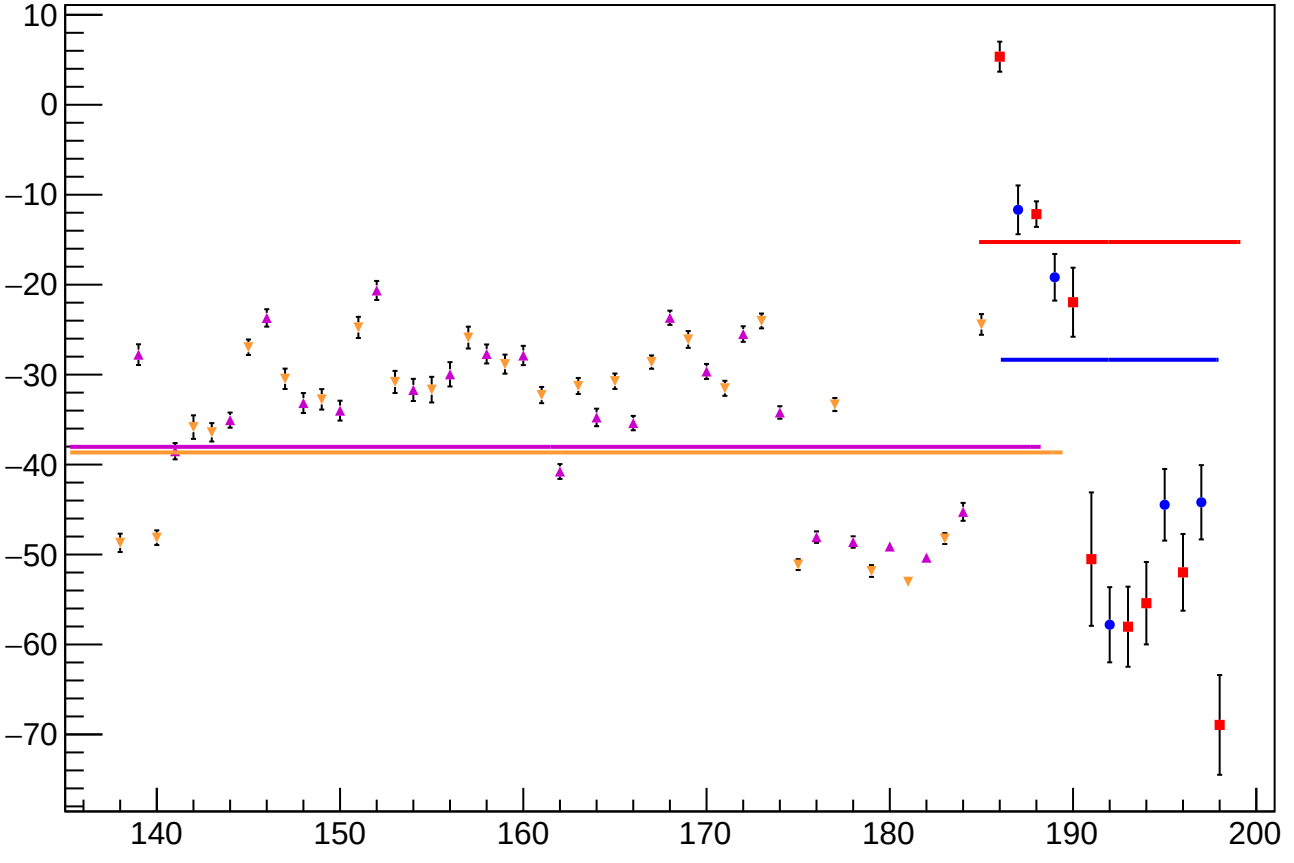
In: 22.907+/-0.052 χ^2/NDF:12104.0/44

Out: 22.961+/-0.051 χ^2/NDF:13022.2/51

All: 22.934+/-0.036 χ^2/NDF: 25126.7/96


reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.219+/-0.009 χ2/NDF: 901.1/21
Left Out: -0.113+/-0.002 χ2/NDF:291.0/24
Right Out: 0.166+/-0.009 χ2/NDF: 3584.3/26
Left In: -0.107+/-0.002 χ2/NDF:321.8/22
Left: -0.110+/-0.002 χ2/NDF: 616.6/47
Right: 0.191+/-0.006 χ2/NDF: 4503.2/48
In: -0.084+/-0.002 χ2/NDF:2442.2/44
Out: -0.093+/-0.002 χ2/NDF:4852.4/51
All: -0.089+/-0.002 χ2/NDF: 7301.9/96

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.349+/-1.468 χ^2/NDF: 131.1/4

Left Out: -38.650+/-0.169 χ^2/NDF:4077.2/24

Right Out: -15.258+/-0.942 χ^2/NDF: 519.8/7

Left In: -38.027+/-0.173 χ^2/NDF:3091.9/22

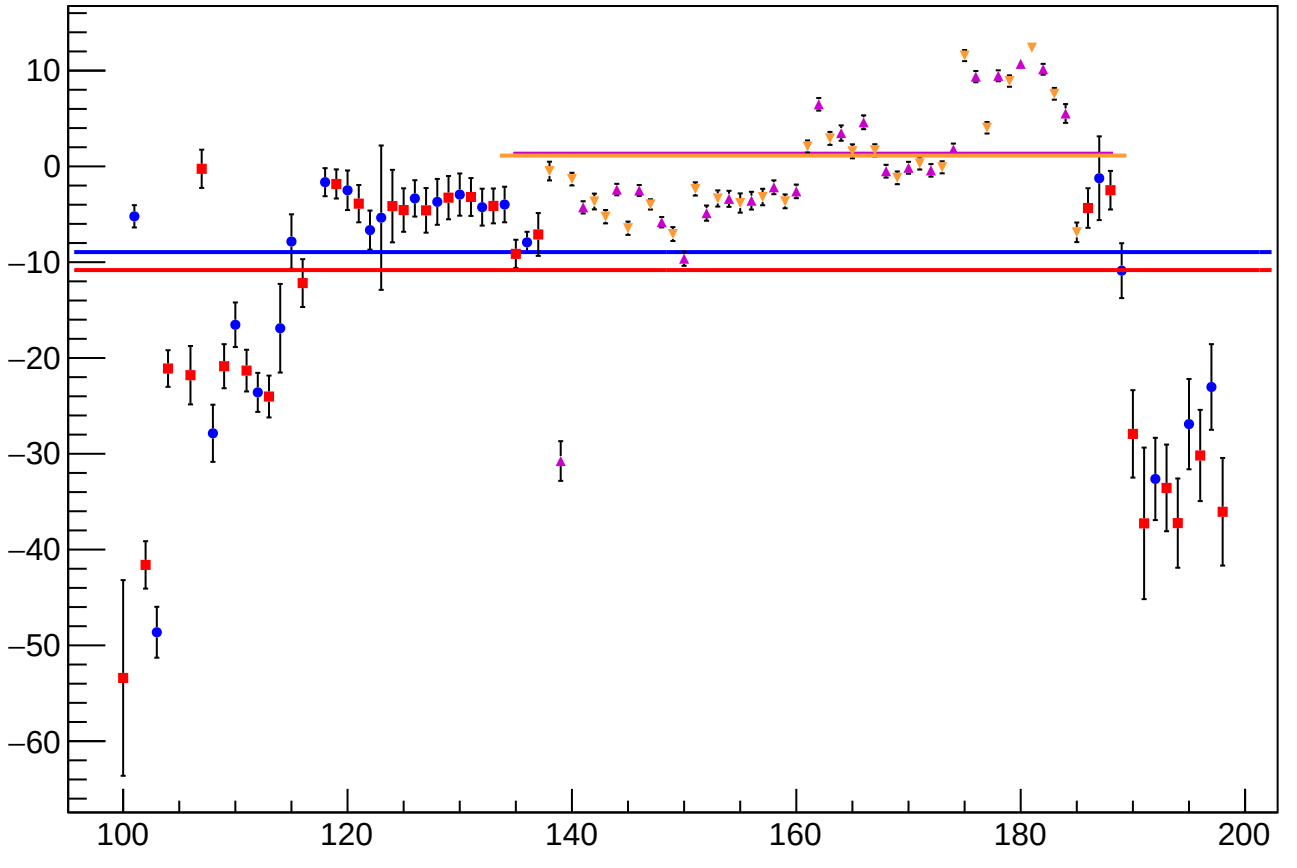
Left: -38.346+/-0.121 χ^2/NDF: 7175.7/47

Right: -19.077+/-0.793 χ^2/NDF: 707.2/12

In: -37.894+/-0.172 χ^2/NDF:3265.9/27

Out: -37.920+/-0.166 χ^2/NDF:5193.8/32

All: -37.908+/-0.120 χ^2/NDF: 8459.7/60



Right In: -8.945+/-0.451 χ^2/NDF: 468.4/21

Left Out: 1.130+/-0.136 χ^2/NDF:1799.3/24

Right Out: -10.823+/-0.454 χ^2/NDF: 576.7/26

Left In: 1.329+/-0.140 χ^2/NDF:2048.0/22

Left: 1.227+/-0.097 χ^2/NDF: 3848.4/47

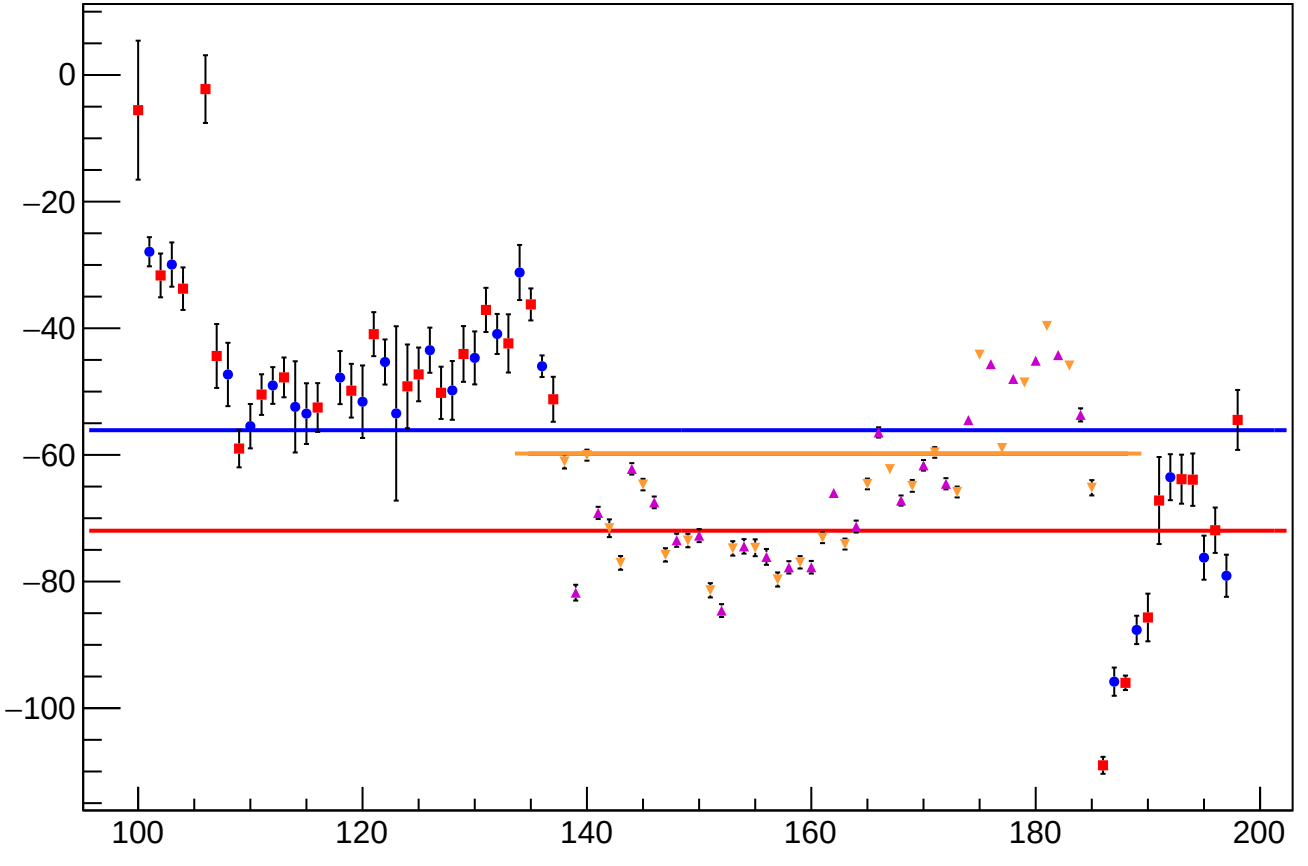
Right: -9.878+/-0.320 χ^2/NDF: 1053.7/48

In: 0.428+/-0.134 χ^2/NDF:2990.0/44

Out: 0.146+/-0.130 χ^2/NDF:3012.2/51

All: 0.283+/-0.093 χ^2/NDF: 6004.5/96

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.100+/-0.695 χ^2/NDF: 943.6/21

Left Out: -59.789+/-0.170 χ^2/NDF:5837.7/24

Right Out: -71.973+/-0.579 χ^2/NDF: 2488.4/26

Left In: -59.802+/-0.173 χ^2/NDF:5217.5/22

Left: -59.795+/-0.121 χ^2/NDF: 11055.3/47

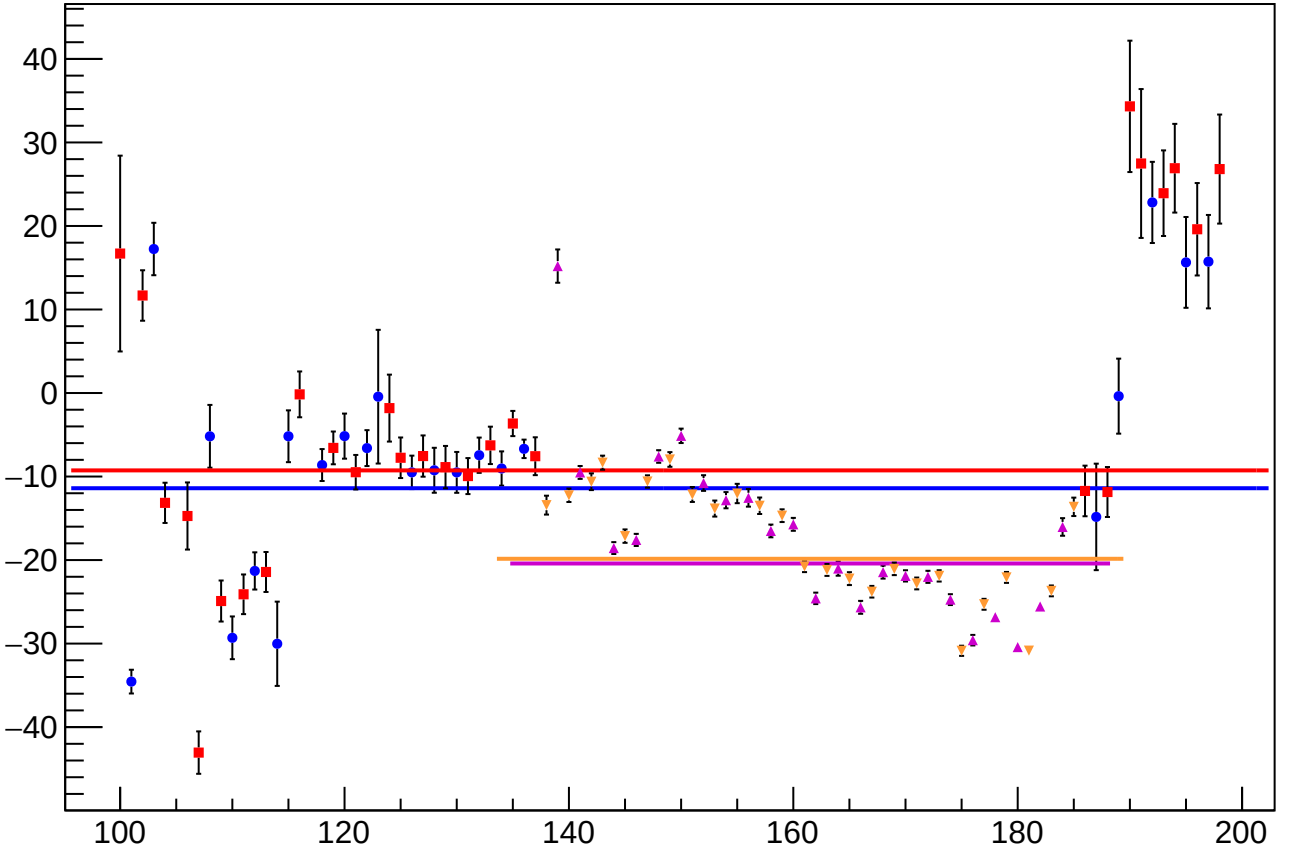
Right: -65.470+/-0.445 χ^2/NDF: 3740.2/48

In: -59.585+/-0.168 χ^2/NDF:6187.9/44

Out: -60.758+/-0.163 χ^2/NDF:8734.1/51

All: -60.189+/-0.117 χ^2/NDF: 14947.1/96

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.399+/-0.511 χ^2/NDF: 581.4/21

Left Out: -19.847+/-0.153 χ^2/NDF:1931.3/24

Right Out: -9.264+/-0.525 χ^2/NDF: 568.7/26

Left In: -20.410+/-0.157 χ^2/NDF:2302.0/22

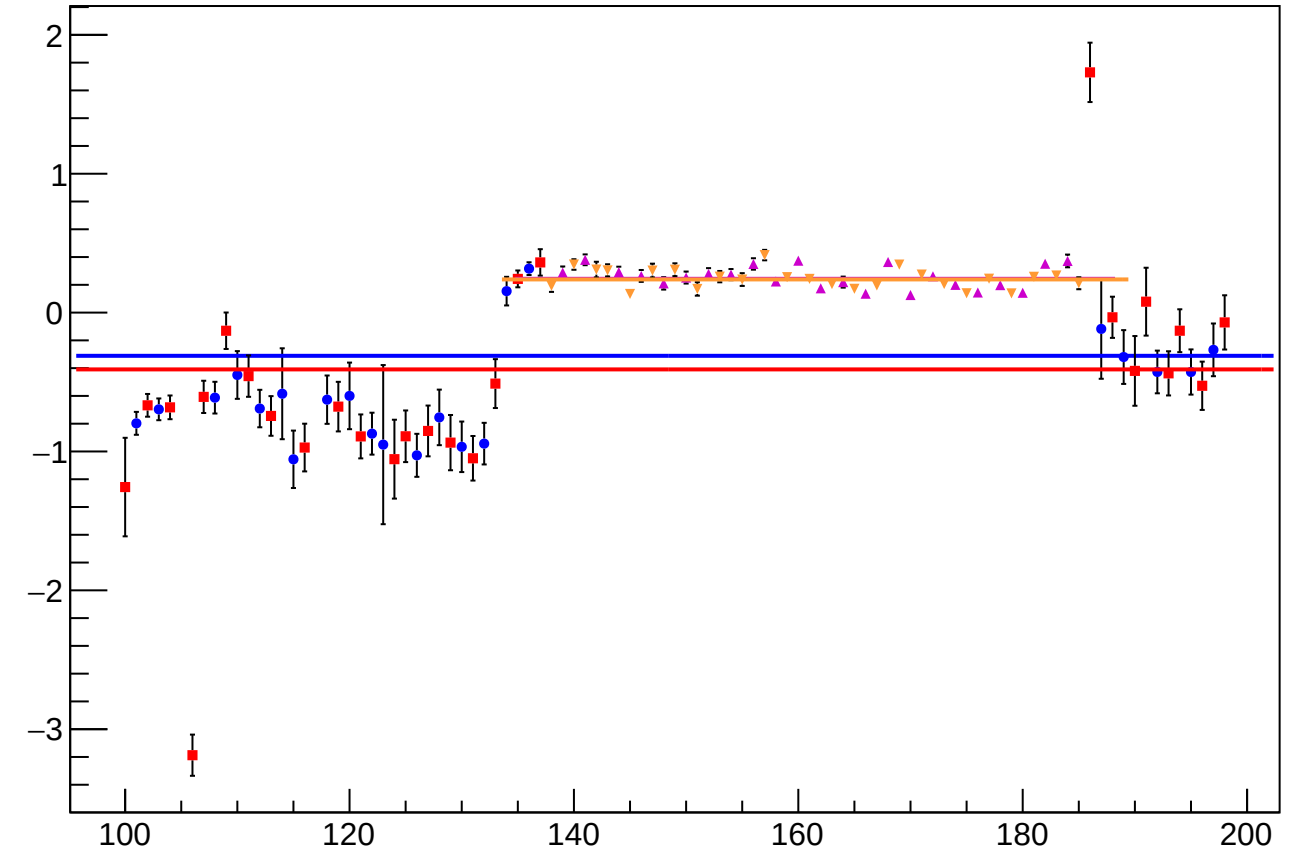
Left: -20.122+/-0.109 χ^2/NDF: 4239.8/47

Right: -10.360+/-0.366 χ^2/NDF: 1158.6/48

In: -19.636+/-0.150 χ^2/NDF:3167.5/44

Out: -19.021+/-0.147 χ^2/NDF:2874.8/51

All: -19.322+/-0.105 χ^2/NDF: 6050.8/96



Right In: -0.311+/-0.026 χ^2/NDF: 373.1/21

Left Out: 0.239+/-0.007 χ^2/NDF:93.0/24

Right Out: -0.409+/-0.026 χ^2/NDF: 751.3/26

Left In: 0.243+/-0.007 χ^2/NDF:138.3/22

Left: 0.241+/-0.005 χ^2/NDF: 231.5/47

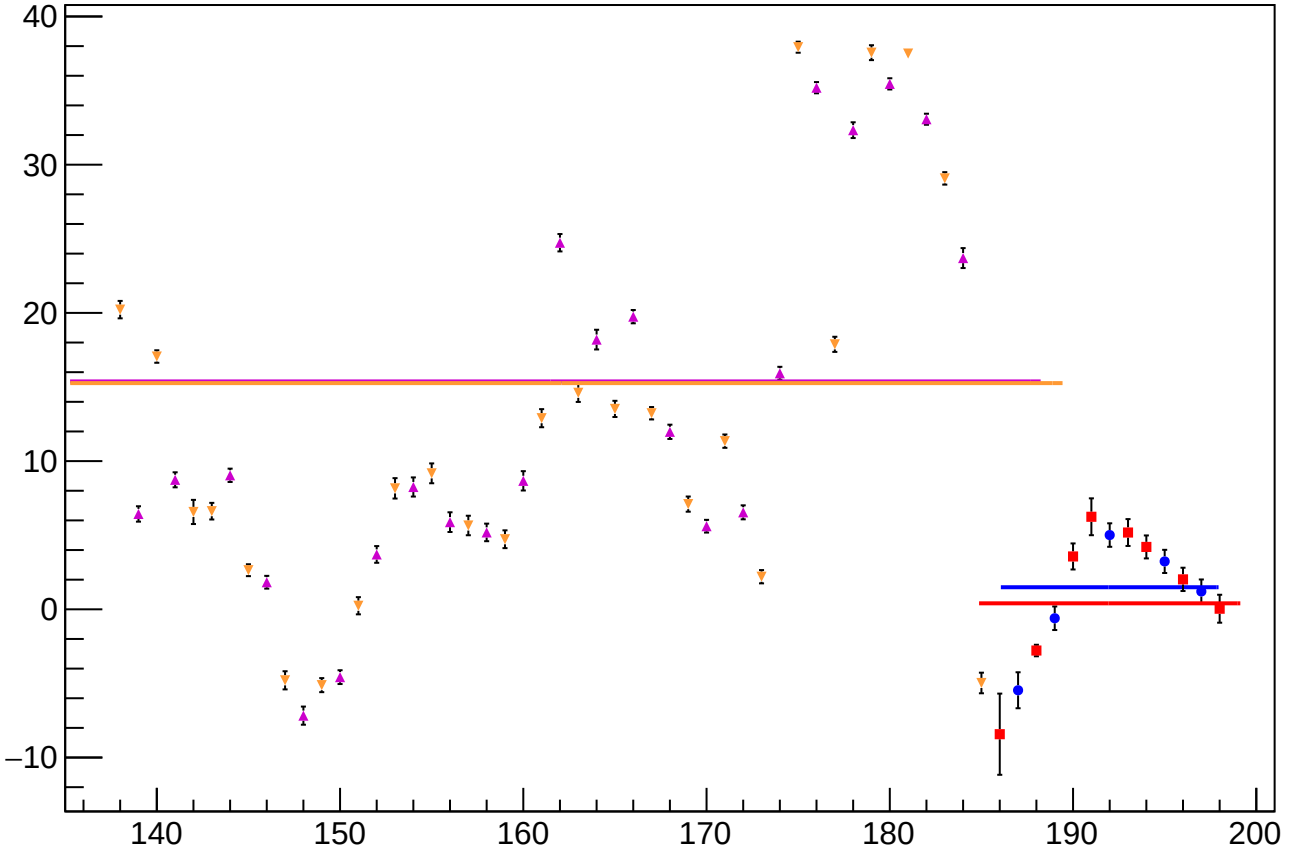
Right: -0.360+/-0.019 χ^2/NDF: 1131.4/48

In: 0.205+/-0.007 χ^2/NDF:927.9/44

Out: 0.195+/-0.007 χ^2/NDF:1416.5/51

All: 0.200+/-0.005 χ^2/NDF: 2345.3/96

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.490+/-0.378 χ^2/NDF: 64.5/4

Left Out: 15.263+/-0.100 χ^2/NDF:19175.2/24

Right Out: 0.404+/-0.264 χ^2/NDF: 168.7/7

Left In: 15.377+/-0.103 χ^2/NDF:16268.9/22

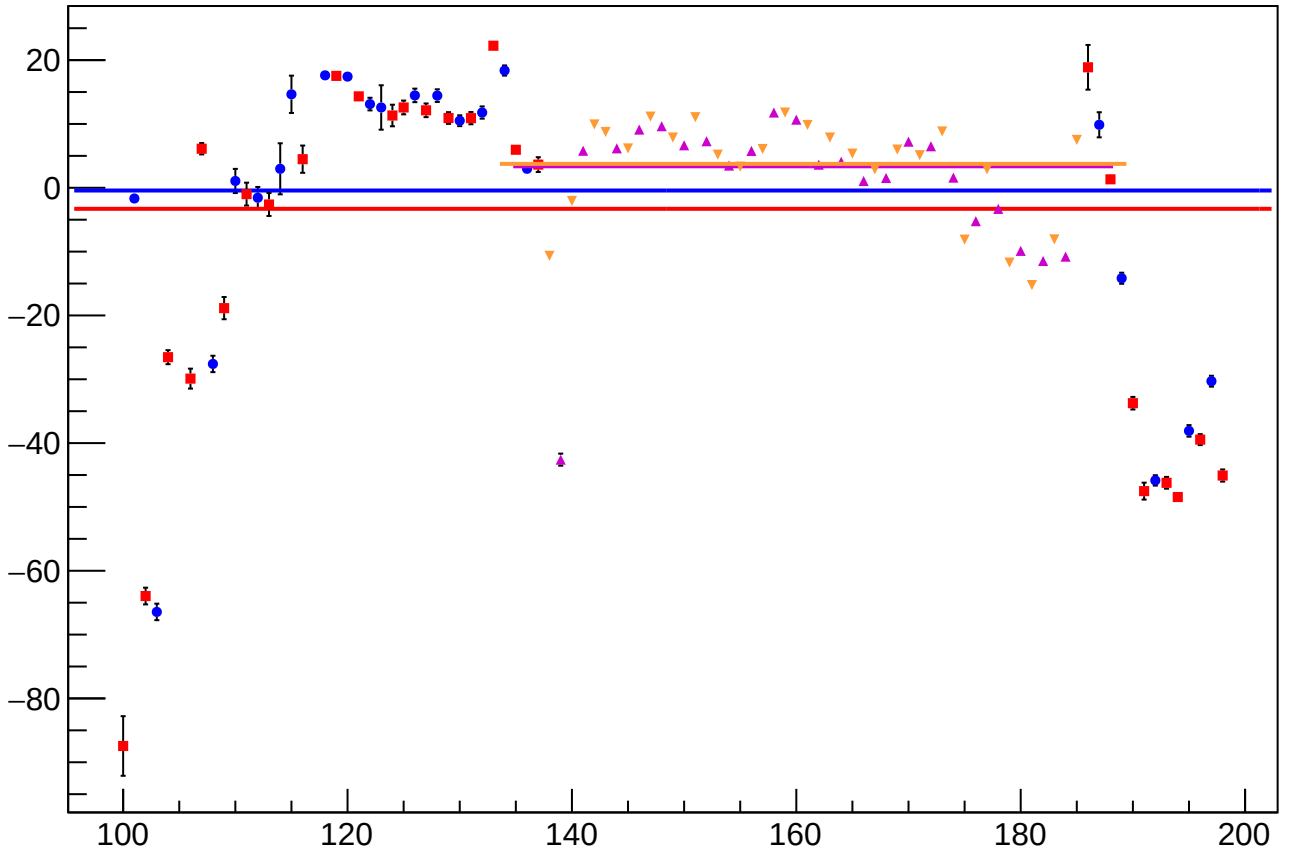
Left: 15.318+/-0.072 χ^2/NDF: 35444.7/47

Right: 0.761+/-0.217 χ^2/NDF: 238.8/12

In: 14.419+/-0.099 χ^2/NDF:17592.7/27

Out: 13.386+/-0.094 χ^2/NDF:22104.8/32

All: 13.875+/-0.068 χ^2/NDF: 39754.7/60



Right In: -0.427+/-0.194 χ^2/NDF: 13053.5/21

Left Out: 3.746+/-0.079 χ^2/NDF:9247.4/24

Right Out: -3.293+/-0.177 χ^2/NDF: 21109.2/26

Left In: 3.365+/-0.081 χ^2/NDF:8527.0/22

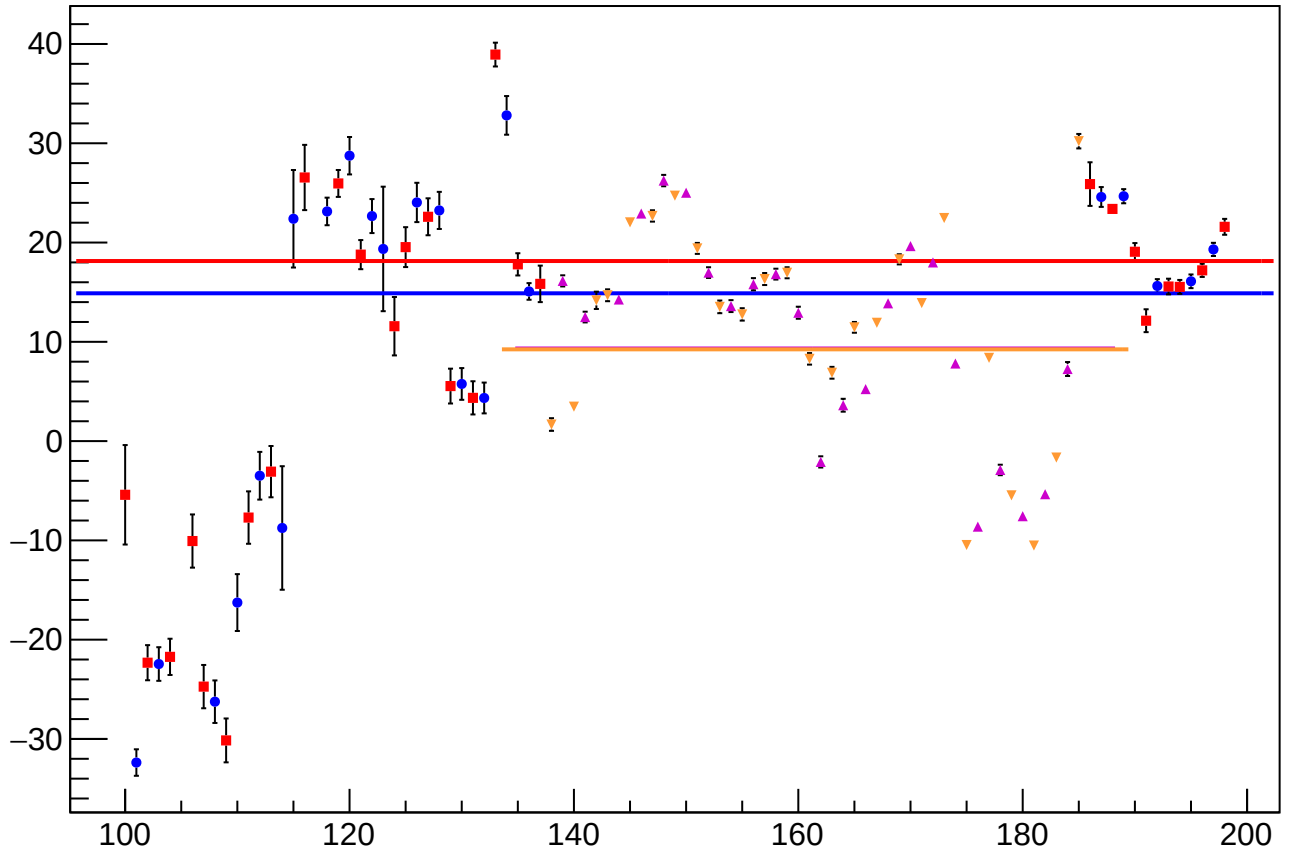
Left: 3.561+/-0.057 χ^2/NDF: 17785.7/47

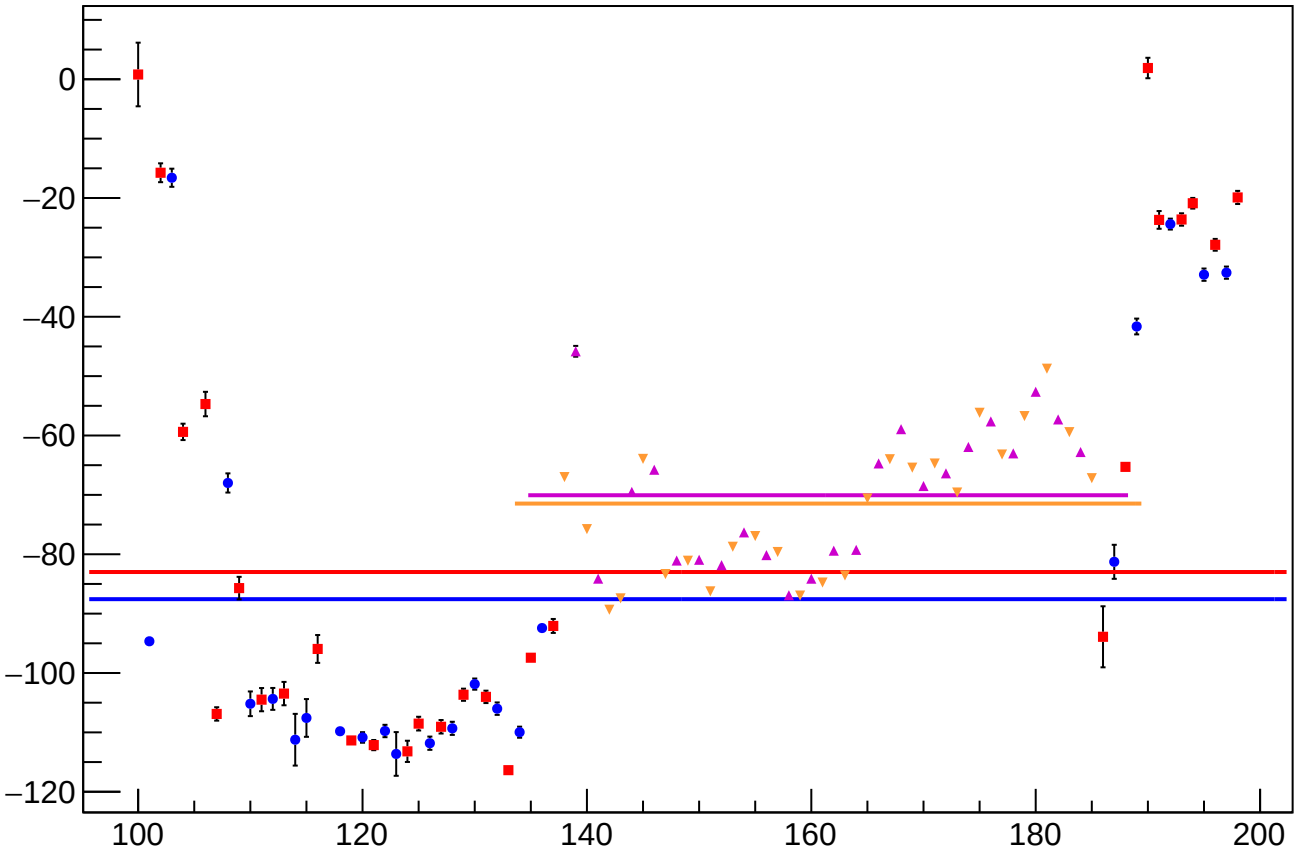
Right: -1.988+/-0.131 χ^2/NDF: 34282.0/48

In: 2.797+/-0.075 χ^2/NDF:21906.8/44

Out: 2.583+/-0.072 χ^2/NDF:31676.7/51

All: 2.686+/-0.052 χ^2/NDF: 53587.8/96


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 14.888+/-0.257 χ²/NDF: 2948.8/21
Left Out: 9.242+/-0.101 χ²/NDF:13633.2/24
Right Out: 18.139+/-0.198 χ²/NDF: 2996.5/26
Left In: 9.328+/-0.103 χ²/NDF:11968.5/22
Left: 9.284+/-0.072 χ²/NDF: 25602.0/47
Right: 16.928+/-0.157 χ²/NDF: 6045.7/48
In: 10.092+/-0.095 χ²/NDF:15321.0/44
Out: 11.077+/-0.090 χ²/NDF:18233.1/51
All: 10.613+/-0.065 χ²/NDF: 33610.7/96



Right In: -87.564+/-0.226 χ^2/NDF: 18645.6/21

Left Out: -71.465+/-0.089 χ^2/NDF:16409.7/24

Right Out: -82.991+/-0.210 χ^2/NDF: 31112.4/26

Left In: -70.061+/-0.092 χ^2/NDF:13058.5/22

Left: -70.782+/-0.064 χ^2/NDF: 29588.5/47

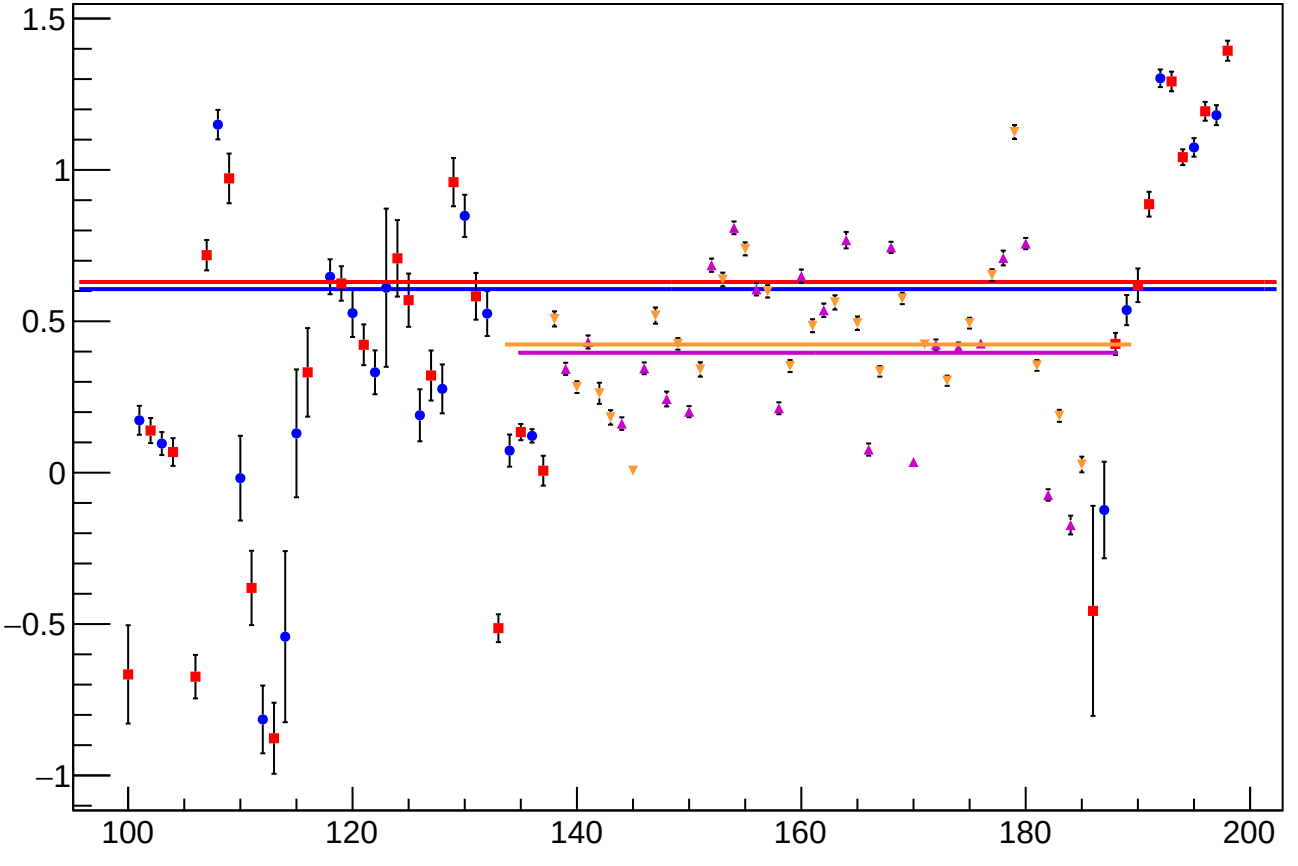
Right: -85.111+/-0.154 χ^2/NDF: 49978.0/48

In: -72.540+/-0.085 χ^2/NDF:36862.0/44

Out: -73.232+/-0.082 χ^2/NDF:50076.3/51

All: -72.898+/-0.059 χ^2/NDF: 86972.5/96

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.606+/-0.010 χ^2/NDF: 2373.9/21

Left Out: 0.424+/-0.004 χ^2/NDF:2885.0/24

Right Out: 0.630+/-0.009 χ^2/NDF: 3710.8/26

Left In: 0.396+/-0.004 χ^2/NDF:4051.5/22

Left: 0.410+/-0.003 χ^2/NDF: 6958.5/47

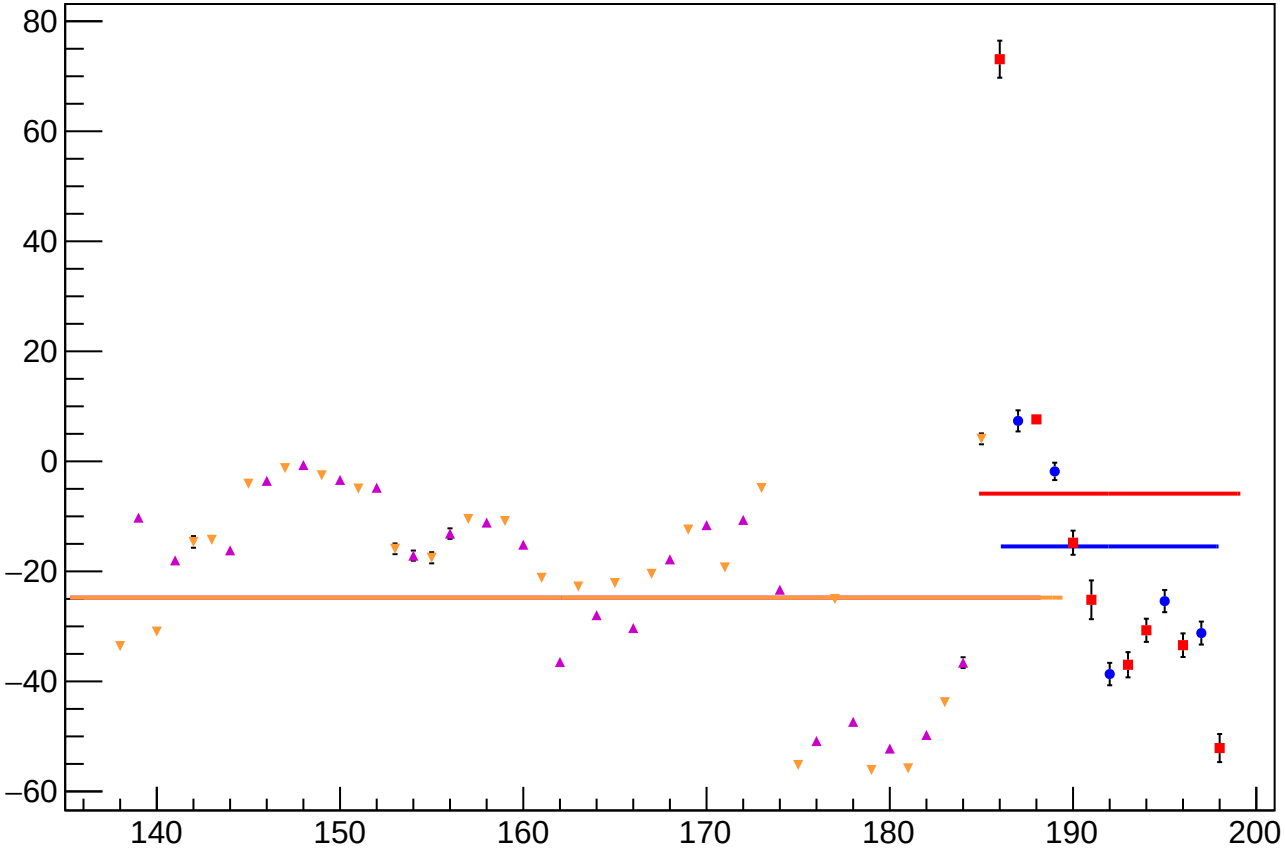
Right: 0.619+/-0.007 χ^2/NDF: 6087.5/48

In: 0.425+/-0.004 χ^2/NDF:6771.8/44

Out: 0.457+/-0.004 χ^2/NDF:7007.0/51

All: 0.441+/-0.003 χ^2/NDF: 13814.7/96

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.467+/-0.848 χ^2/NDF: 426.8/4

Left Out: -24.769+/-0.139 χ^2/NDF:18318.8/24

Right Out: -5.869+/-0.606 χ^2/NDF: 1697.0/7

Left In: -24.775+/-0.143 χ^2/NDF:14807.4/22

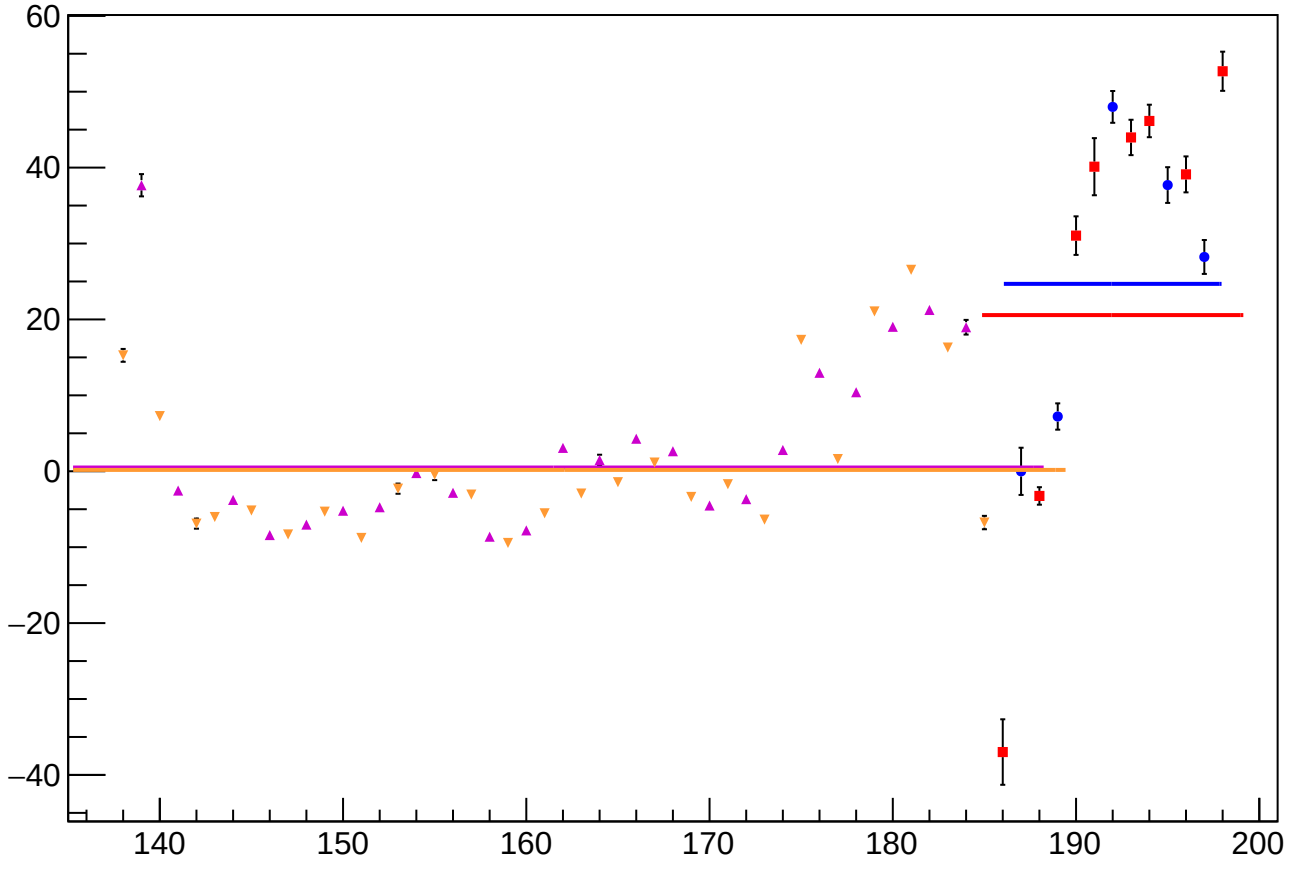
Left: -24.772+/-0.100 χ^2/NDF: 33126.2/47

Right: -9.112+/-0.493 χ^2/NDF: 2208.5/12

In: -24.518+/-0.141 χ^2/NDF:15351.2/27

Out: -23.819+/-0.136 χ^2/NDF:20939.6/32

All: -24.156+/-0.098 χ^2/NDF: 36303.6/60



Right In: 24.685+/-0.978 χ^2/NDF: 321.8/4

Left Out: 0.177+/-0.109 χ^2/NDF:8295.6/24

Right Out: 20.572+/-0.753 χ^2/NDF: 1109.0/7

Left In: 0.493+/-0.112 χ^2/NDF:6555.4/22

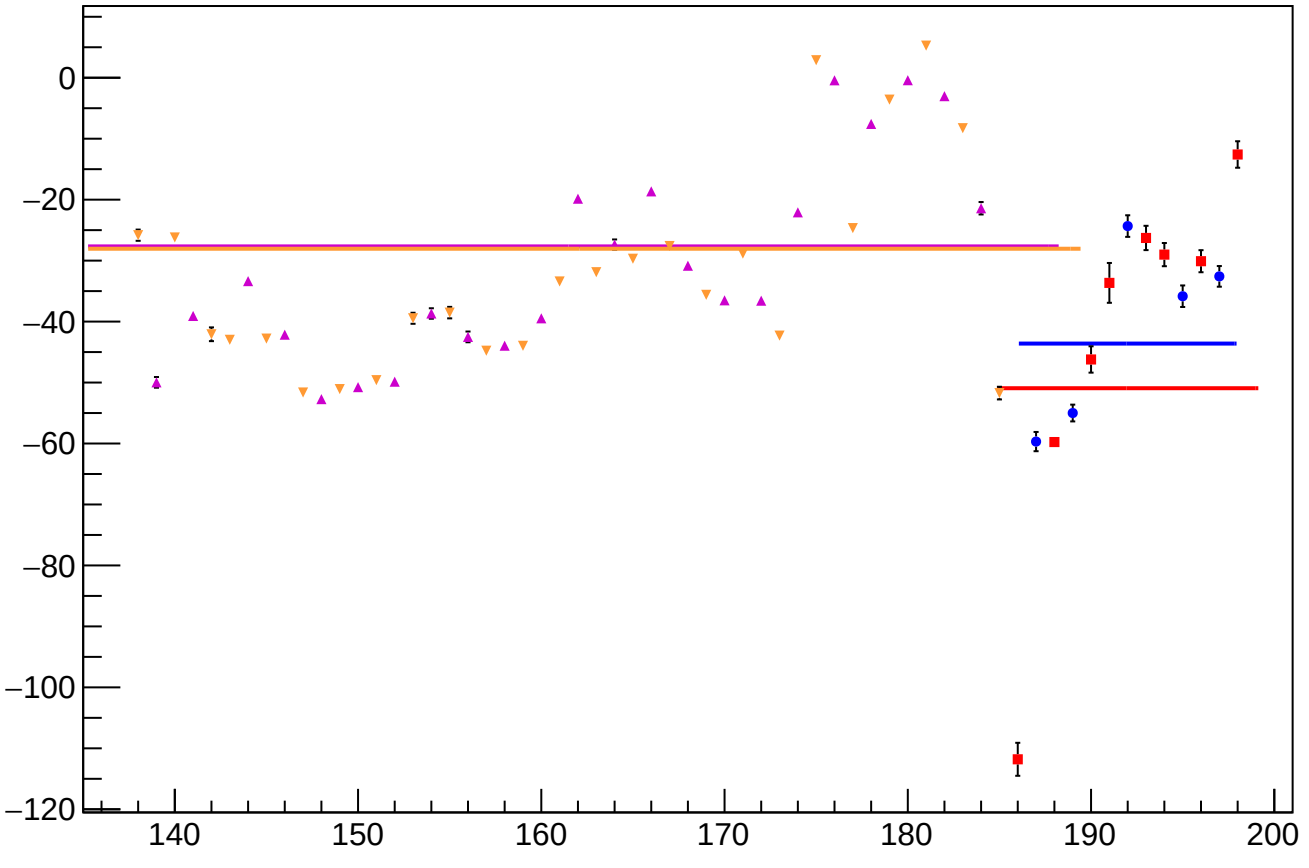
Left: 0.330+/-0.078 χ^2/NDF: 14855.0/47

Right: 22.103+/-0.597 χ^2/NDF: 1441.9/12

In: 0.807+/-0.111 χ^2/NDF:7481.2/27

Out: 0.592+/-0.107 χ^2/NDF:10123.1/32

All: 0.696+/-0.077 χ^2/NDF: 17606.3/60



Right In: -43.607+/-0.722 χ^2/NDF: 352.2/4

Left Out: -28.050+/-0.140 χ^2/NDF:17144.5/24

Right Out: -50.930+/-0.508 χ^2/NDF: 1454.6/7

Left In: -27.666+/-0.142 χ^2/NDF:15003.2/22

Left: -27.862+/-0.100 χ^2/NDF: 32151.3/47

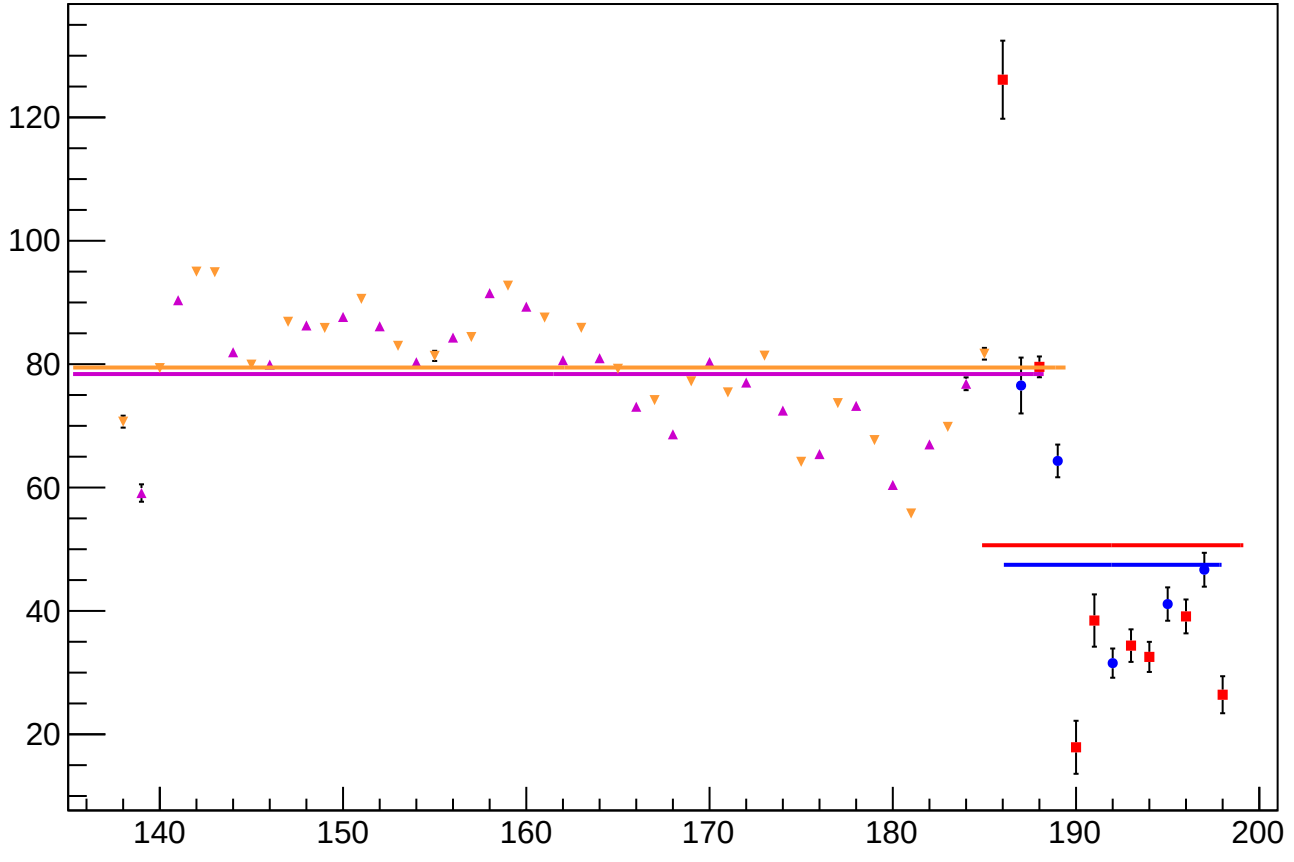
Right: -48.507+/-0.416 χ^2/NDF: 1875.6/12

In: -28.263+/-0.140 χ^2/NDF:15824.1/27

Out: -29.662+/-0.135 χ^2/NDF:20484.7/32

All: -28.988+/-0.097 χ^2/NDF: 36360.7/60

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.476+/-1.251 χ^2/NDF: 132.5/4

Left Out: 79.456+/-0.123 χ^2/NDF:6077.1/24

Right Out: 50.647+/-0.980 χ^2/NDF: 678.6/7

Left In: 78.396+/-0.127 χ^2/NDF:4707.3/22

Left: 78.941+/-0.088 χ^2/NDF: 10820.4/47

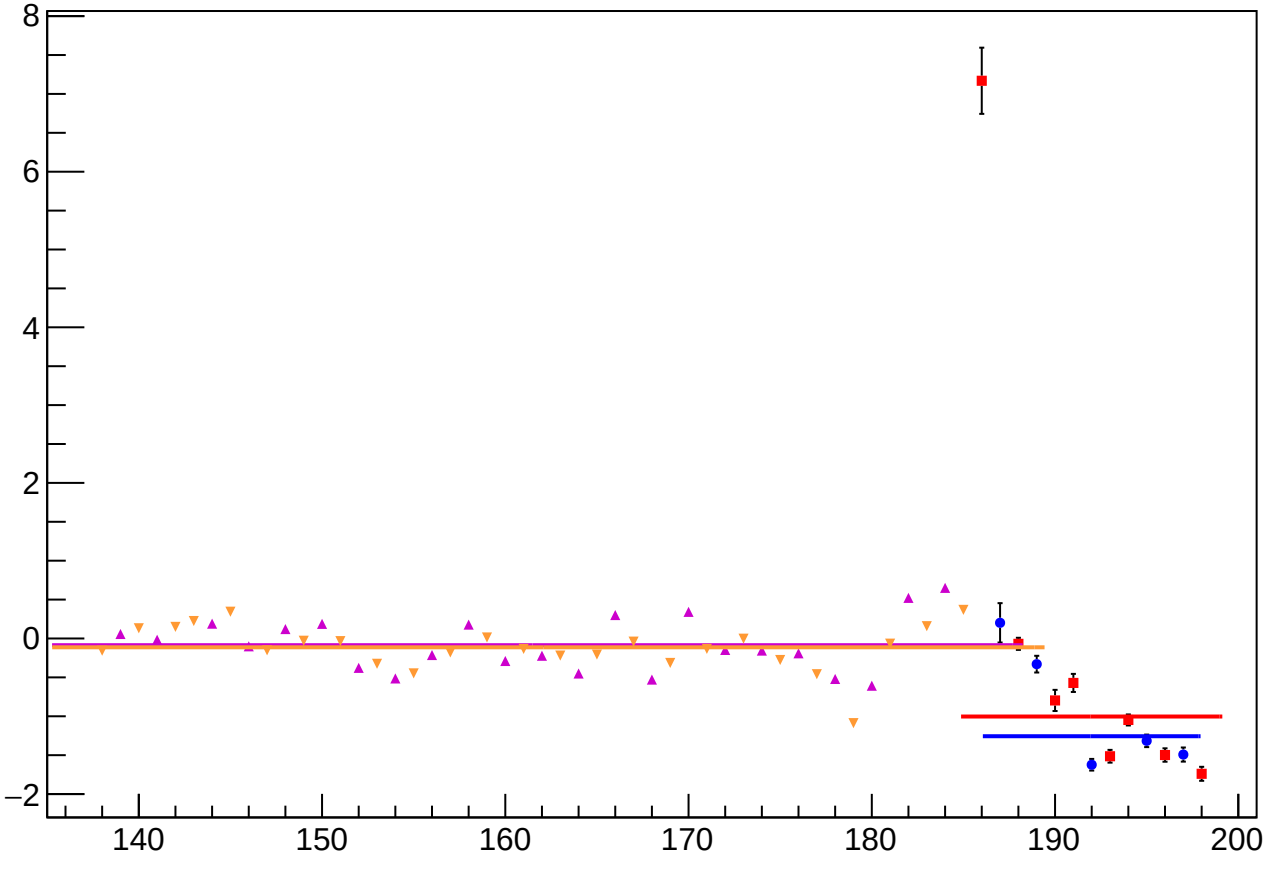
Right: 49.441+/-0.771 χ^2/NDF: 815.0/12

In: 78.082+/-0.126 χ^2/NDF:5444.4/27

Out: 79.007+/-0.122 χ^2/NDF:7606.9/32

All: 78.559+/-0.088 χ^2/NDF: 13079.1/60

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.256+/-0.042 χ^2/NDF: 138.8/4

Left Out: -0.113+/-0.006 χ^2/NDF:2303.1/24

Right Out: -1.003+/-0.033 χ^2/NDF: 668.5/7

Left In: -0.086+/-0.006 χ^2/NDF:3132.1/22

Left: -0.100+/-0.004 χ^2/NDF: 5446.4/47

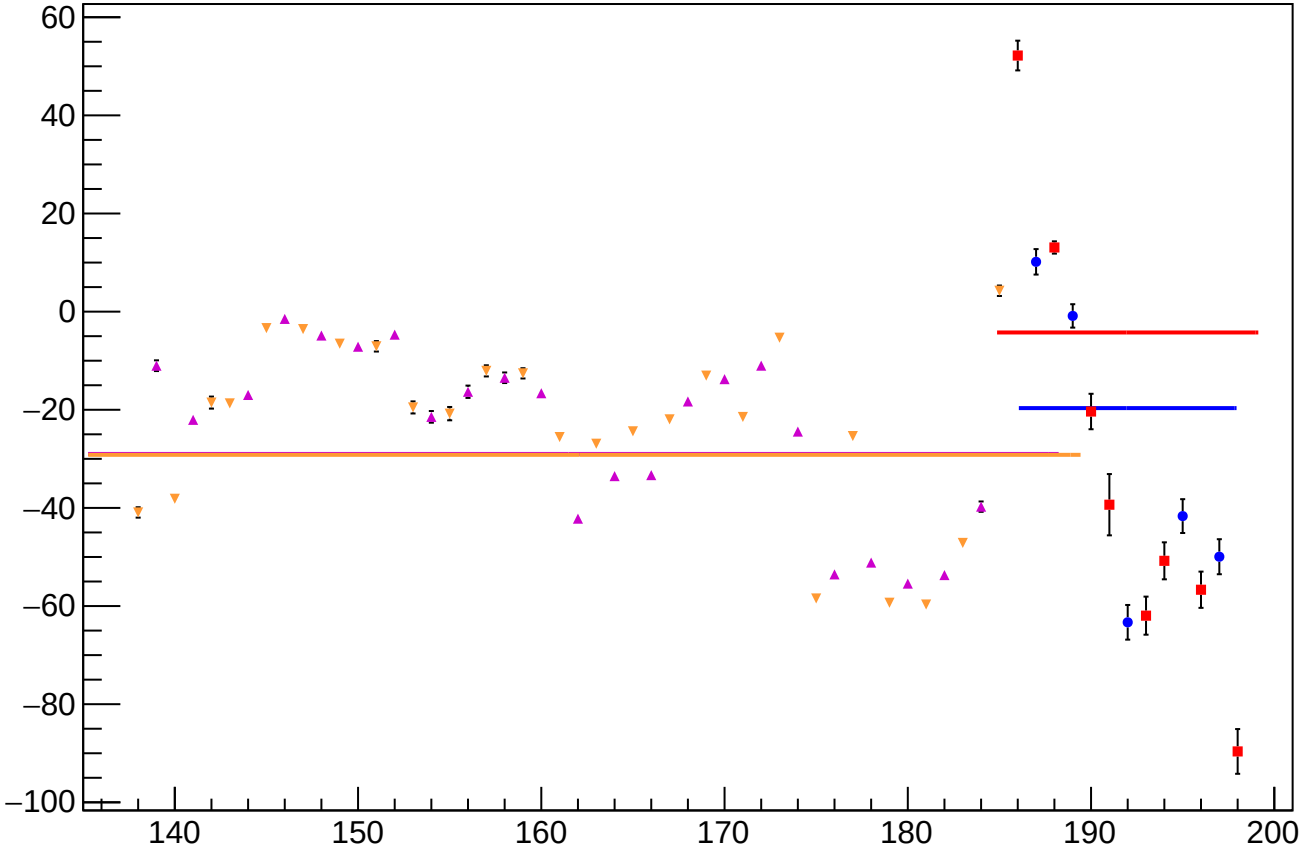
Right: -1.100+/-0.026 χ^2/NDF: 829.3/12

In: -0.108+/-0.006 χ^2/NDF:4018.6/27

Out: -0.139+/-0.006 χ^2/NDF:3668.0/32

All: -0.123+/-0.004 χ^2/NDF: 7701.5/60

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.660+/-1.328 χ^2/NDF: 459.4/4

Left Out: -29.180+/-0.157 χ^2/NDF:16912.2/24

Right Out: -4.245+/-0.950 χ^2/NDF: 1515.6/7

Left In: -29.003+/-0.160 χ^2/NDF:13416.8/22

Left: -29.093+/-0.112 χ^2/NDF: 30329.6/47

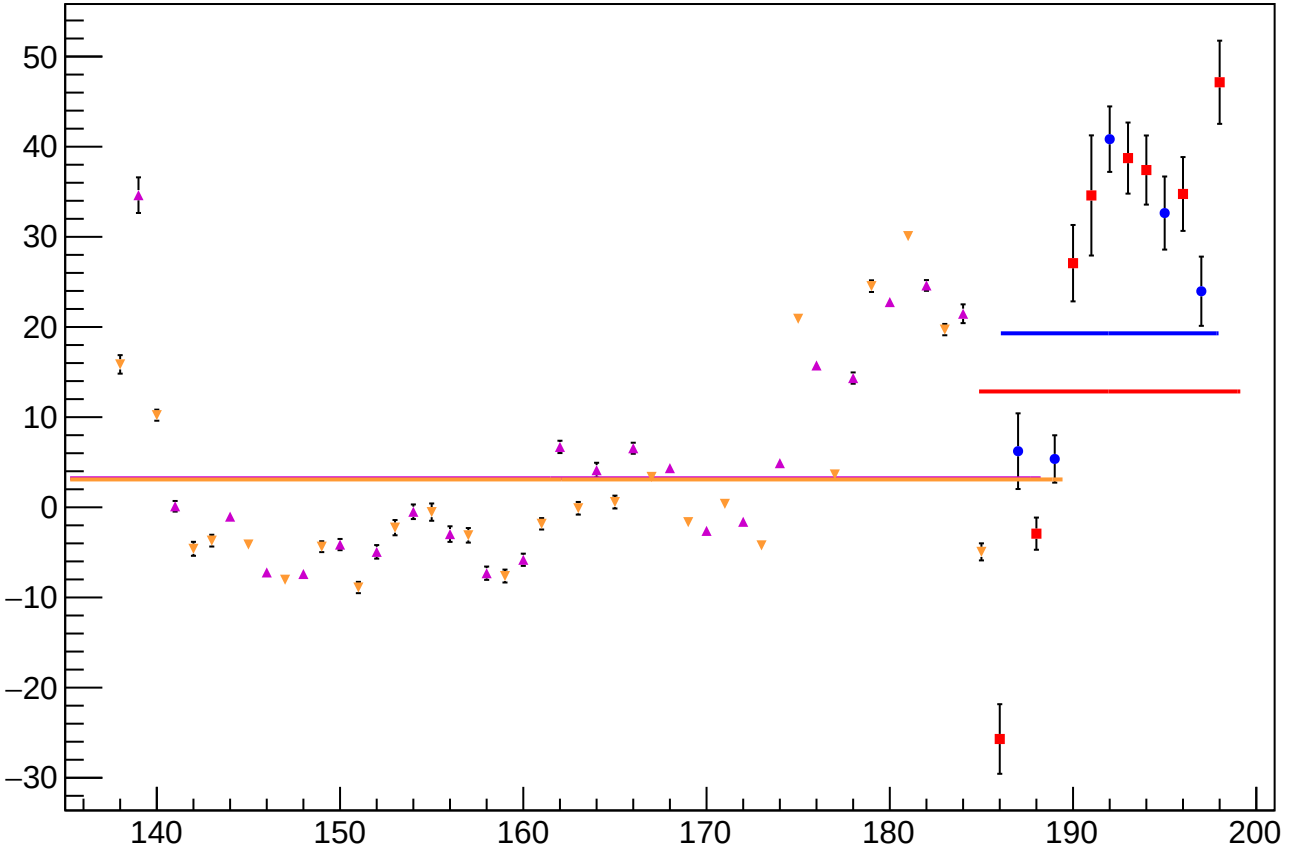
Right: -9.465+/-0.773 χ^2/NDF: 2064.1/12

In: -28.869+/-0.159 χ^2/NDF:13924.9/27

Out: -28.520+/-0.155 χ^2/NDF:19098.0/32

All: -28.690+/-0.111 χ^2/NDF: 33025.4/60

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.299+/-1.569 χ^2/NDF: 85.3/4

Left Out: 3.091+/-0.124 χ^2/NDF:8084.1/24

Right Out: 12.850+/-1.197 χ^2/NDF: 367.7/7

Left In: 3.221+/-0.127 χ^2/NDF:6237.6/22

Left: 3.155+/-0.089 χ^2/NDF: 14322.2/47

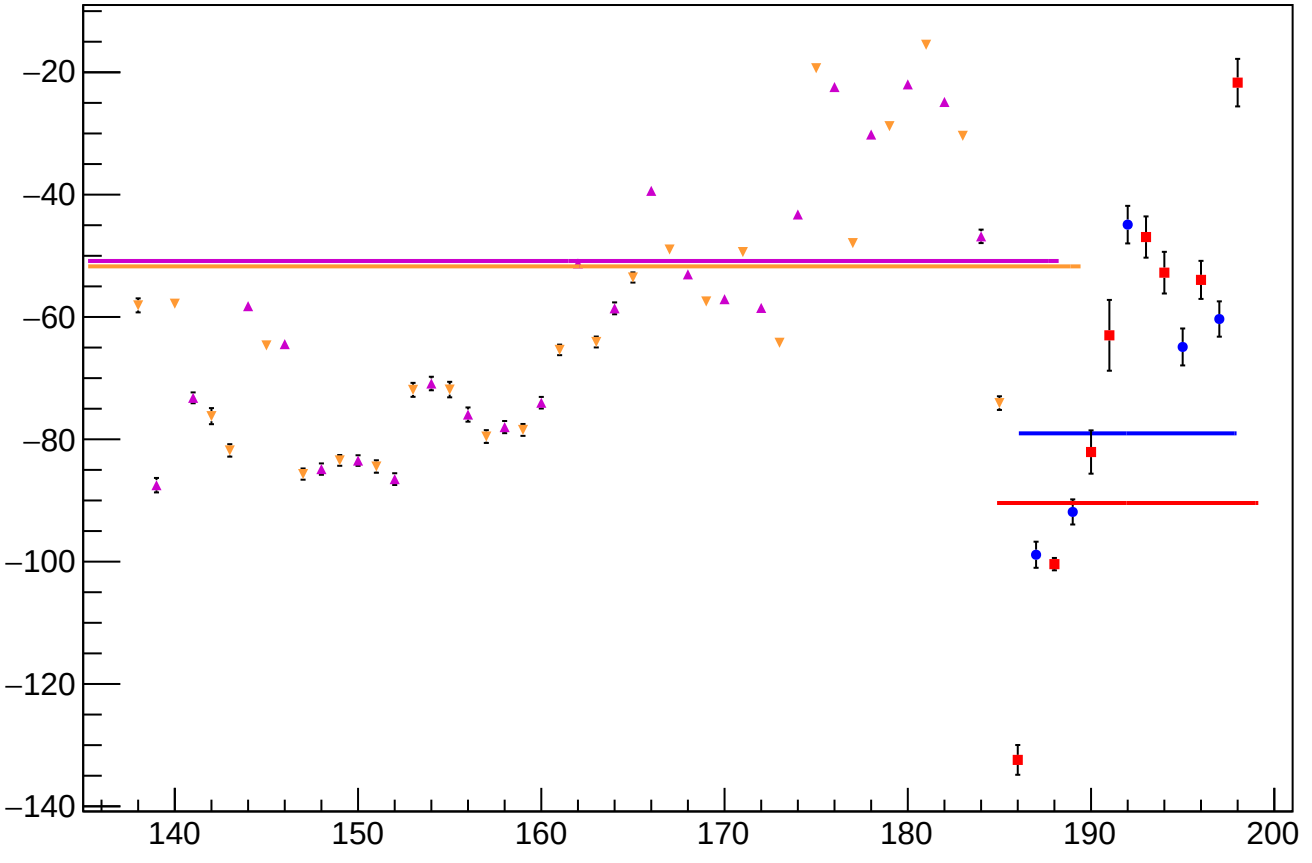
Right: 15.222+/-0.952 χ^2/NDF: 463.7/12

In: 3.326+/-0.127 χ^2/NDF:6427.3/27

Out: 3.195+/-0.124 χ^2/NDF:8517.6/32

All: 3.259+/-0.088 χ^2/NDF: 14945.4/60

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.027+/-1.123 χ^2/NDF: 312.9/4

Left Out: -51.729+/-0.158 χ^2/NDF:19538.0/24

Right Out: -90.412+/-0.790 χ^2/NDF: 1161.9/7

Left In: -50.844+/-0.160 χ^2/NDF:17272.0/22

Left: -51.293+/-0.112 χ^2/NDF: 36825.5/47

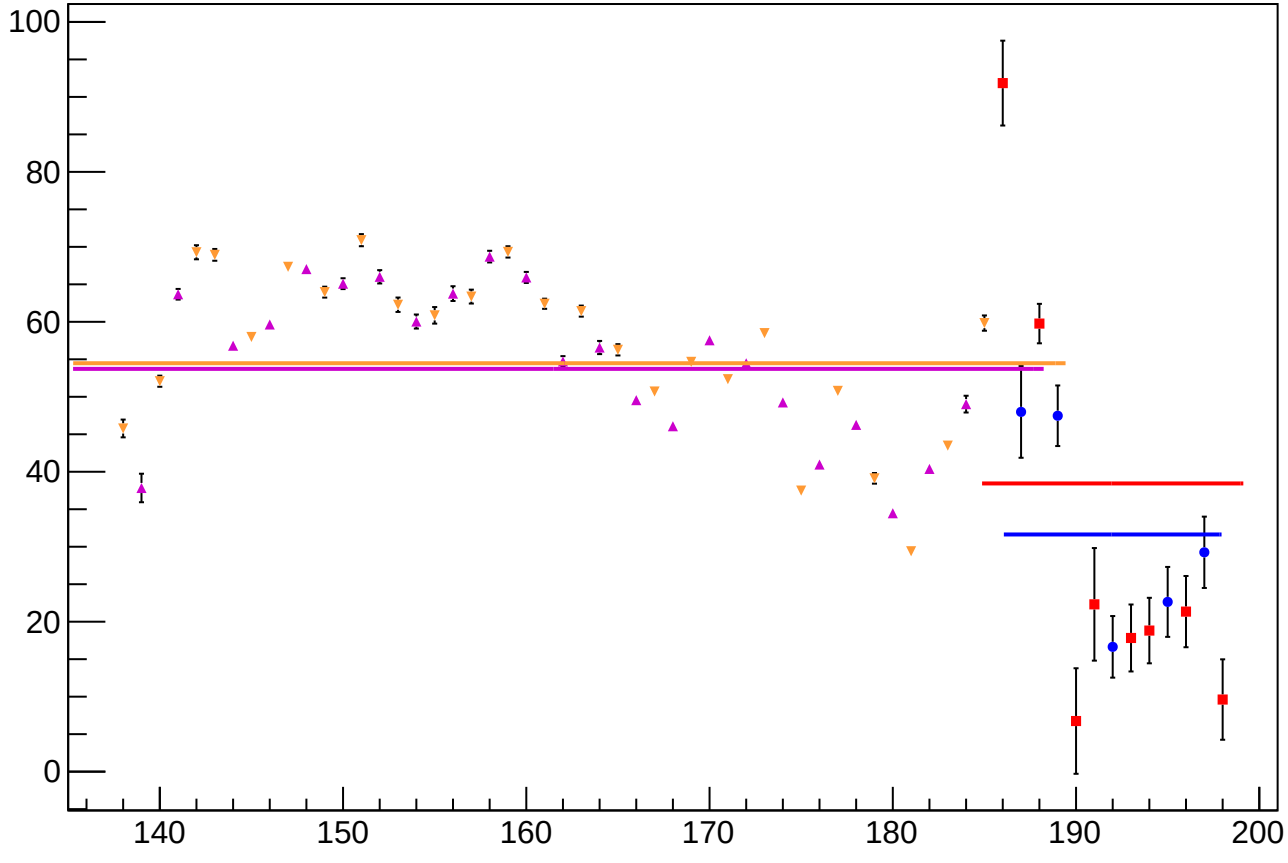
Right: -86.643+/-0.646 χ^2/NDF: 1543.4/12

In: -51.405+/-0.159 χ^2/NDF:18201.7/27

Out: -53.214+/-0.155 χ^2/NDF:23003.3/32

All: -52.331+/-0.111 χ^2/NDF: 41271.6/60

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.635+/-2.053 χ^2/NDF: 39.8/4

Left Out: 54.476+/-0.140 χ^2/NDF:6266.9/24

Right Out: 38.441+/-1.591 χ^2/NDF: 262.9/7

Left In: 53.724+/-0.143 χ^2/NDF:4585.7/22

Left: 54.107+/-0.100 χ^2/NDF: 10866.7/47

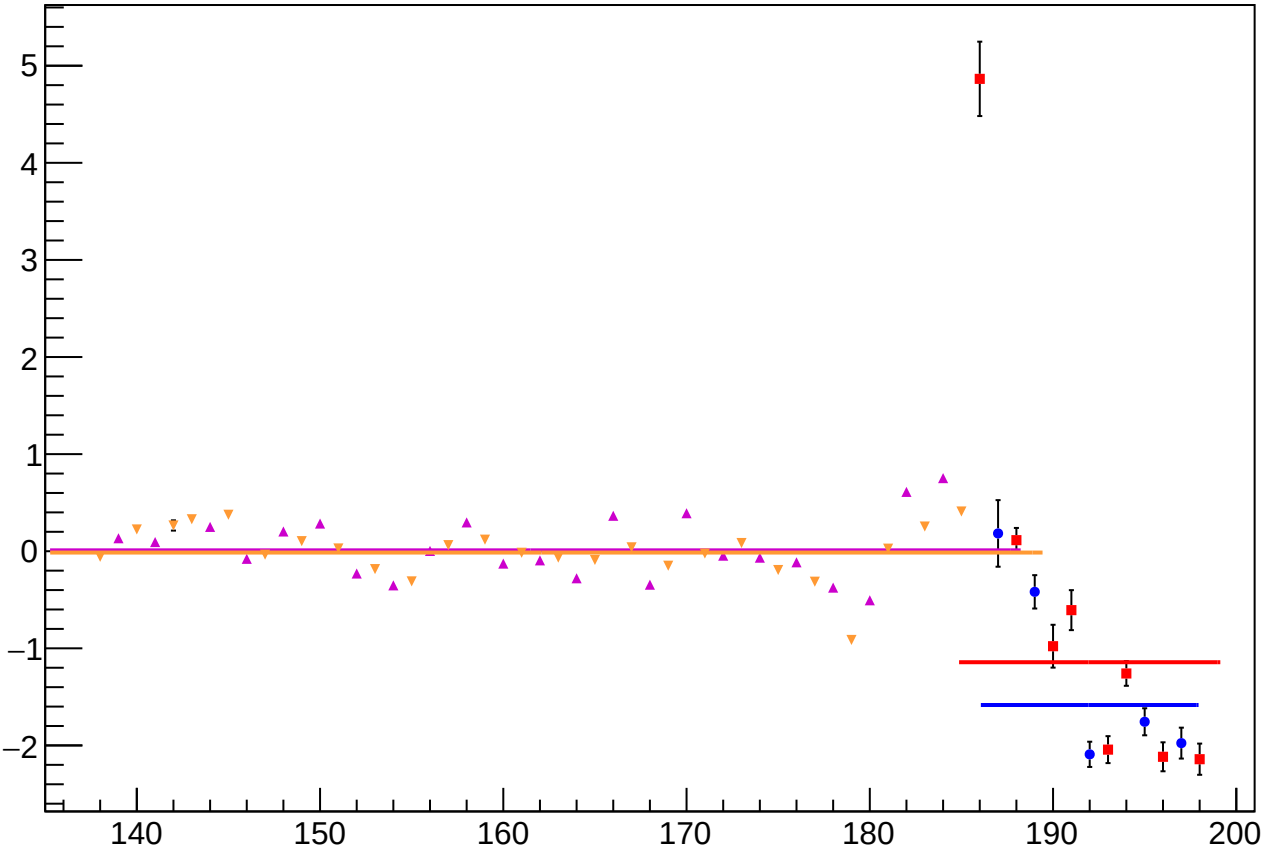
Right: 35.887+/-1.257 χ^2/NDF: 309.5/12

In: 53.617+/-0.143 χ^2/NDF:4740.8/27

Out: 54.352+/-0.140 χ^2/NDF:6630.6/32

All: 53.992+/-0.100 χ^2/NDF: 11384.9/60

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.584+/-0.072 χ^2/NDF: 95.5/4

Left Out: -0.014+/-0.006 χ^2/NDF:1654.7/24

Right Out: -1.143+/-0.057 χ^2/NDF: 477.5/7

Left In: 0.009+/-0.007 χ^2/NDF:2220.5/22

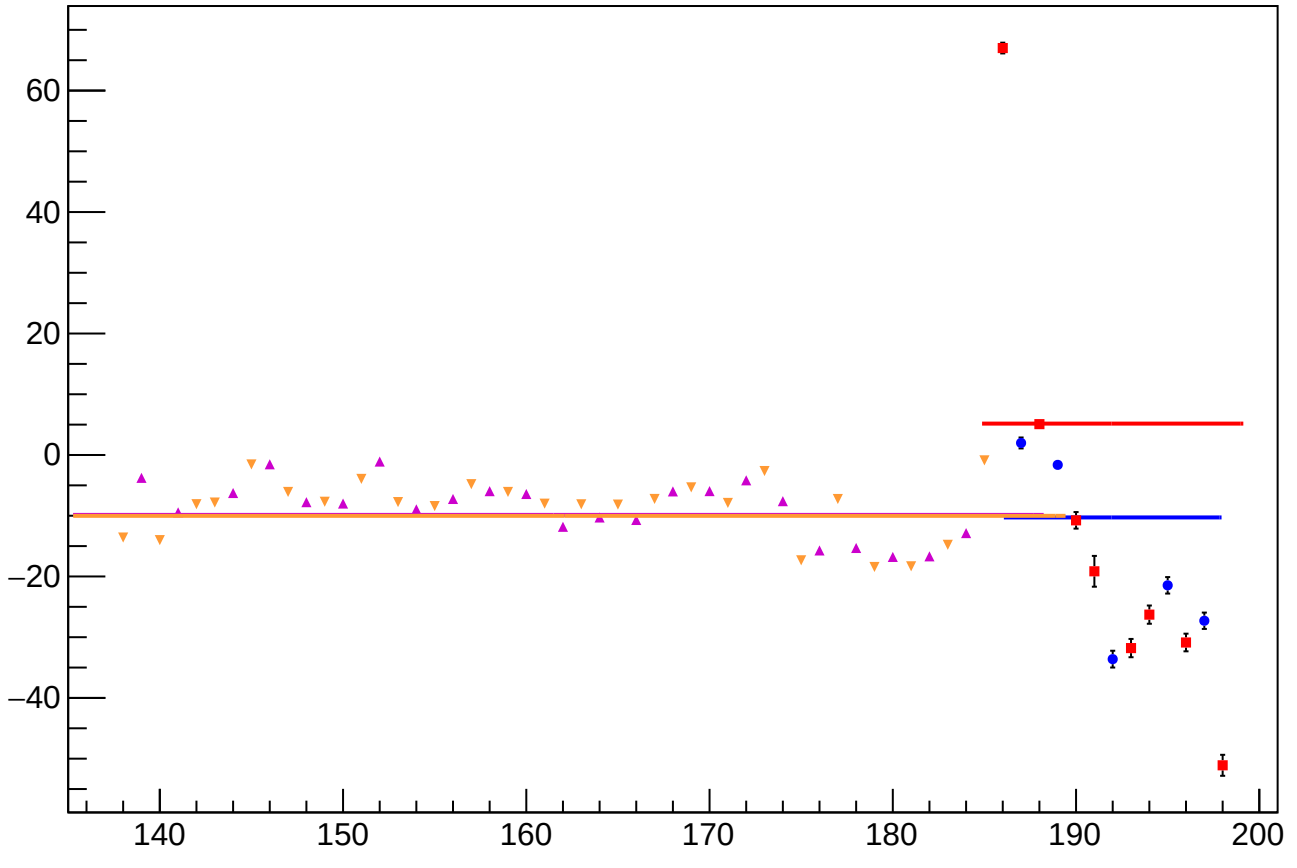
Left: -0.003+/-0.005 χ^2/NDF: 3881.4/47

Right: -1.311+/-0.045 χ^2/NDF: 596.1/12

In: -0.004+/-0.007 χ^2/NDF:2800.9/27

Out: -0.028+/-0.006 χ^2/NDF:2525.1/32

All: -0.016+/-0.005 χ^2/NDF: 5332.8/60



Right In: -10.281+/-0.482 χ^2/NDF: 806.8/4

Left Out: -10.017+/-0.051 χ^2/NDF:12552.8/24

Right Out: 5.168+/-0.339 χ^2/NDF: 7829.3/7

Left In: -9.865+/-0.051 χ^2/NDF:9345.4/22

Left: -9.942+/-0.036 χ^2/NDF: 21902.5/47

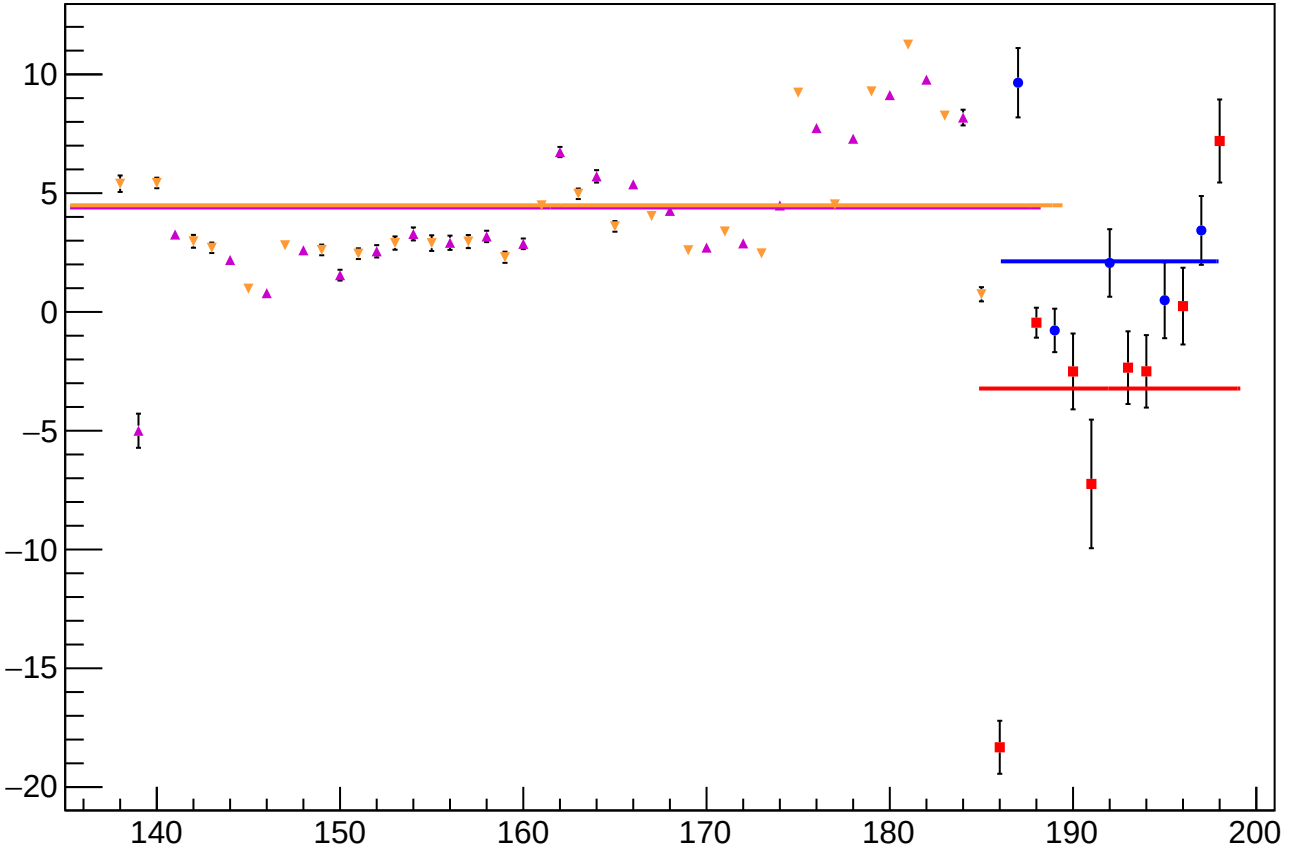
Right: 0.052+/-0.277 χ^2/NDF: 9323.6/12

In: -9.870+/-0.051 χ^2/NDF:10152.9/27

Out: -9.685+/-0.050 χ^2/NDF:22344.3/32

All: -9.776+/-0.036 χ^2/NDF: 32503.8/60

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.130+/-0.575 χ^2/NDF: 38.5/4

Left Out: 4.489+/-0.041 χ^2/NDF:4832.3/24

Right Out: -3.223+/-0.430 χ^2/NDF: 245.5/7

Left In: 4.396+/-0.041 χ^2/NDF:4230.4/22

Left: 4.443+/-0.029 χ^2/NDF: 9065.3/47

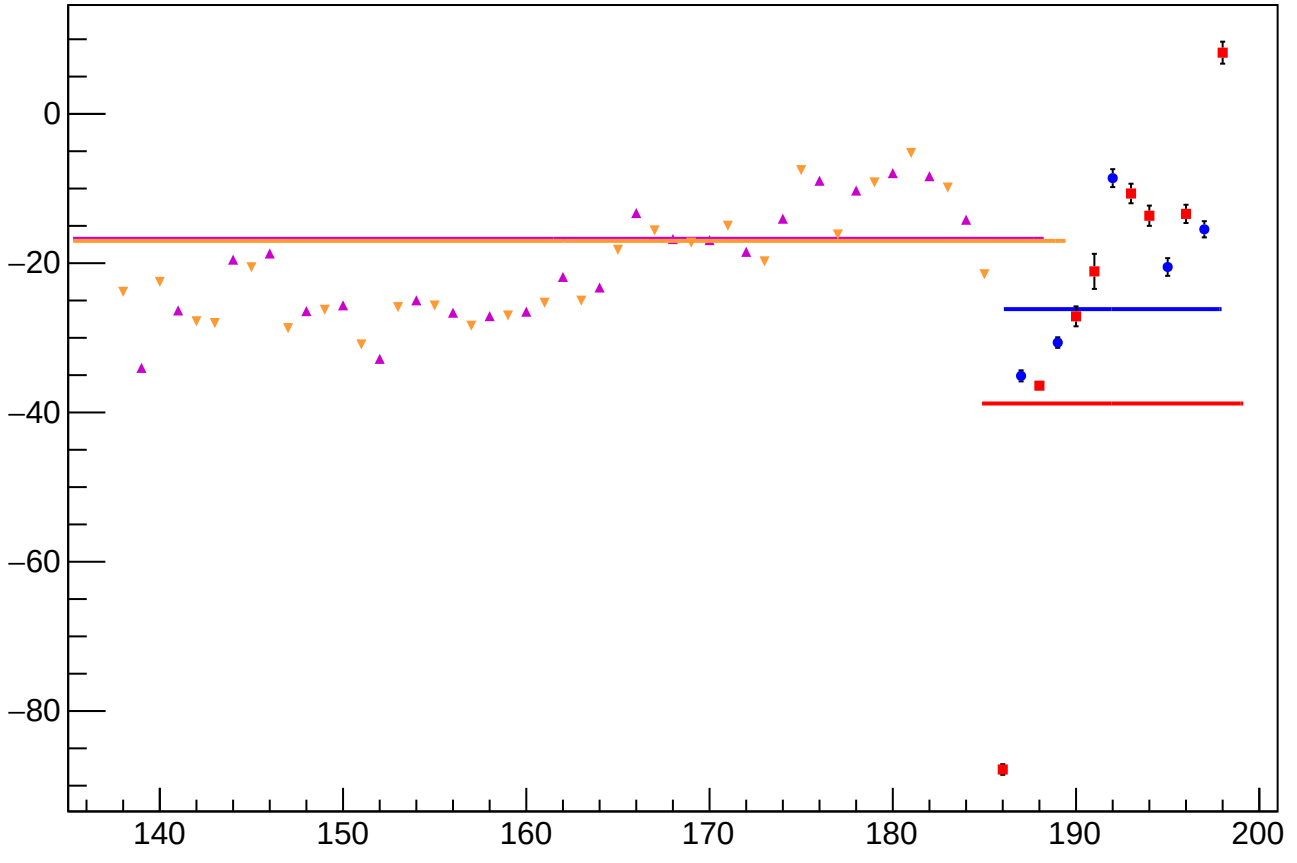
Right: -1.303+/-0.344 χ^2/NDF: 339.6/12

In: 4.384+/-0.041 χ^2/NDF:4284.3/27

Out: 4.420+/-0.040 χ^2/NDF:5396.8/32

All: 4.403+/-0.029 χ^2/NDF: 9681.5/60

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.155+/-0.406 χ^2/NDF: 518.7/4

Left Out: -17.008+/-0.051 χ^2/NDF:22094.7/24

Right Out: -38.799+/-0.280 χ^2/NDF: 7191.4/7

Left In: -16.732+/-0.052 χ^2/NDF:18777.2/22

Left: -16.871+/-0.036 χ^2/NDF: 40886.5/47

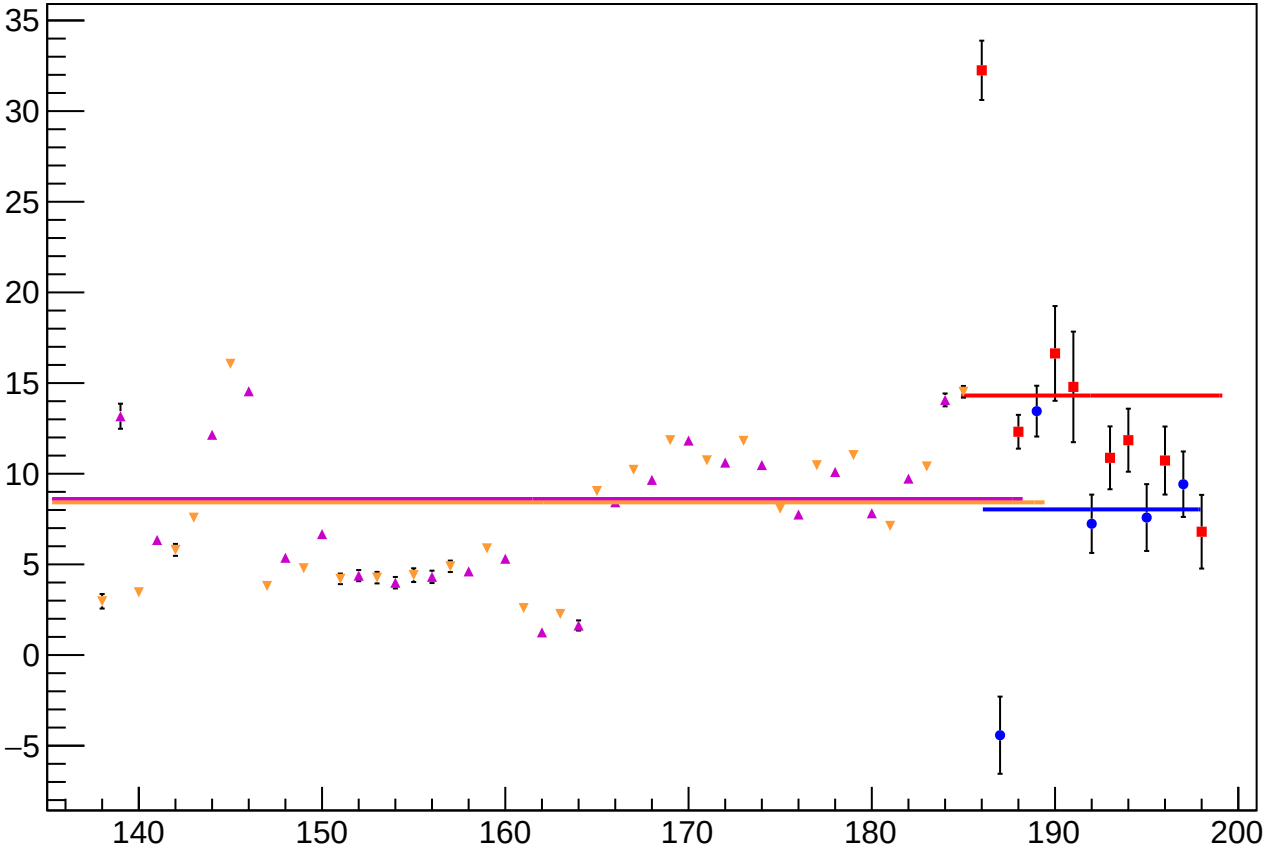
Right: -34.711+/-0.231 χ^2/NDF: 8367.3/12

In: -16.881+/-0.051 χ^2/NDF:19826.8/27

Out: -17.708+/-0.050 χ^2/NDF:35130.2/32

All: -17.302+/-0.036 χ^2/NDF: 55090.0/60

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.032+/-0.763 χ^2/NDF: 50.1/4

Left Out: 8.422+/-0.046 χ^2/NDF:6470.1/24

Right Out: 14.313+/-0.580 χ^2/NDF: 149.0/7

Left In: 8.606+/-0.046 χ^2/NDF:5504.2/22

Left: 8.513+/-0.032 χ^2/NDF: 11982.4/47

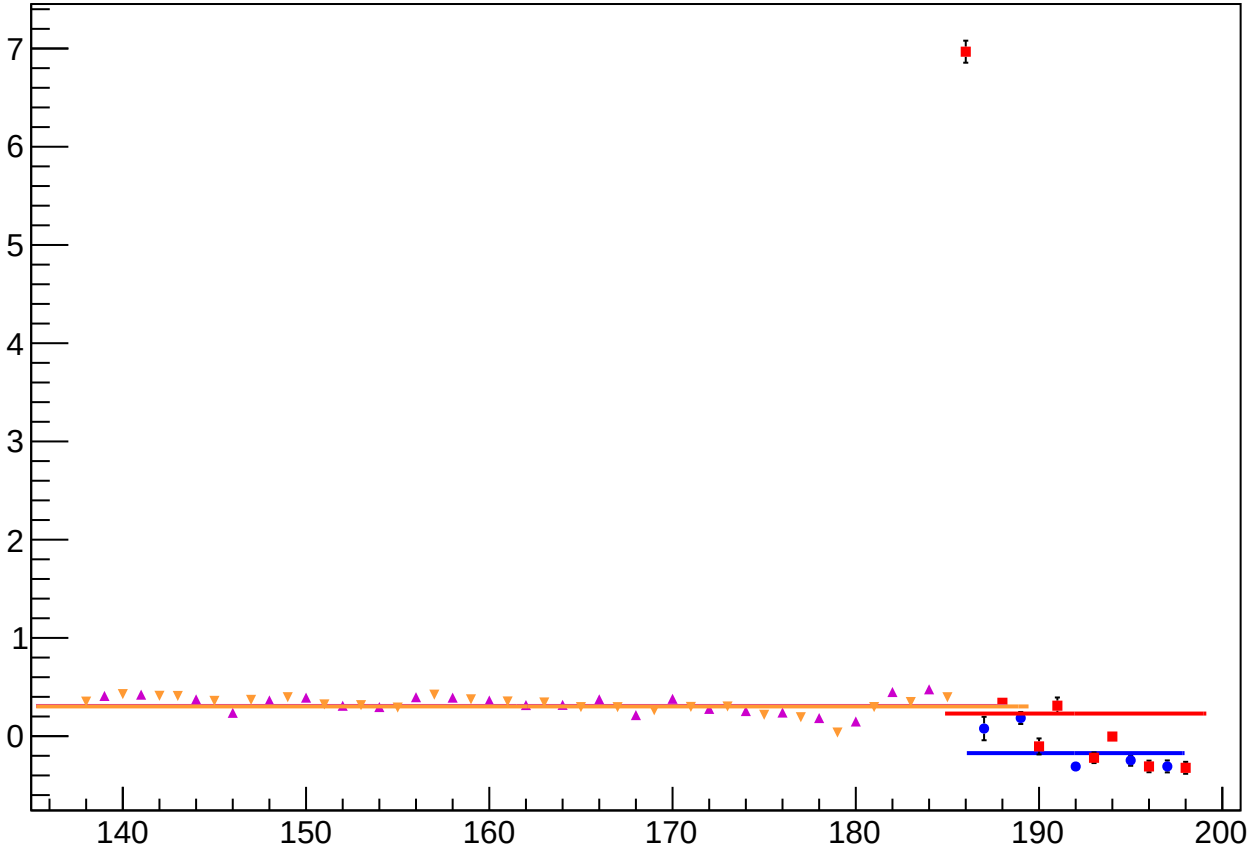
Right: 12.011+/-0.462 χ^2/NDF: 242.0/12

In: 8.604+/-0.046 χ^2/NDF:5554.9/27

Out: 8.458+/-0.045 χ^2/NDF:6721.6/32

All: 8.530+/-0.032 χ^2/NDF: 12281.6/60

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173+/-0.027 χ^2/NDF: 52.5/4

Left Out: 0.302+/-0.002 χ^2/NDF:1590.9/24

Right Out: 0.230+/-0.021 χ^2/NDF: 3887.6/7

Left In: 0.307+/-0.002 χ^2/NDF:1699.5/22

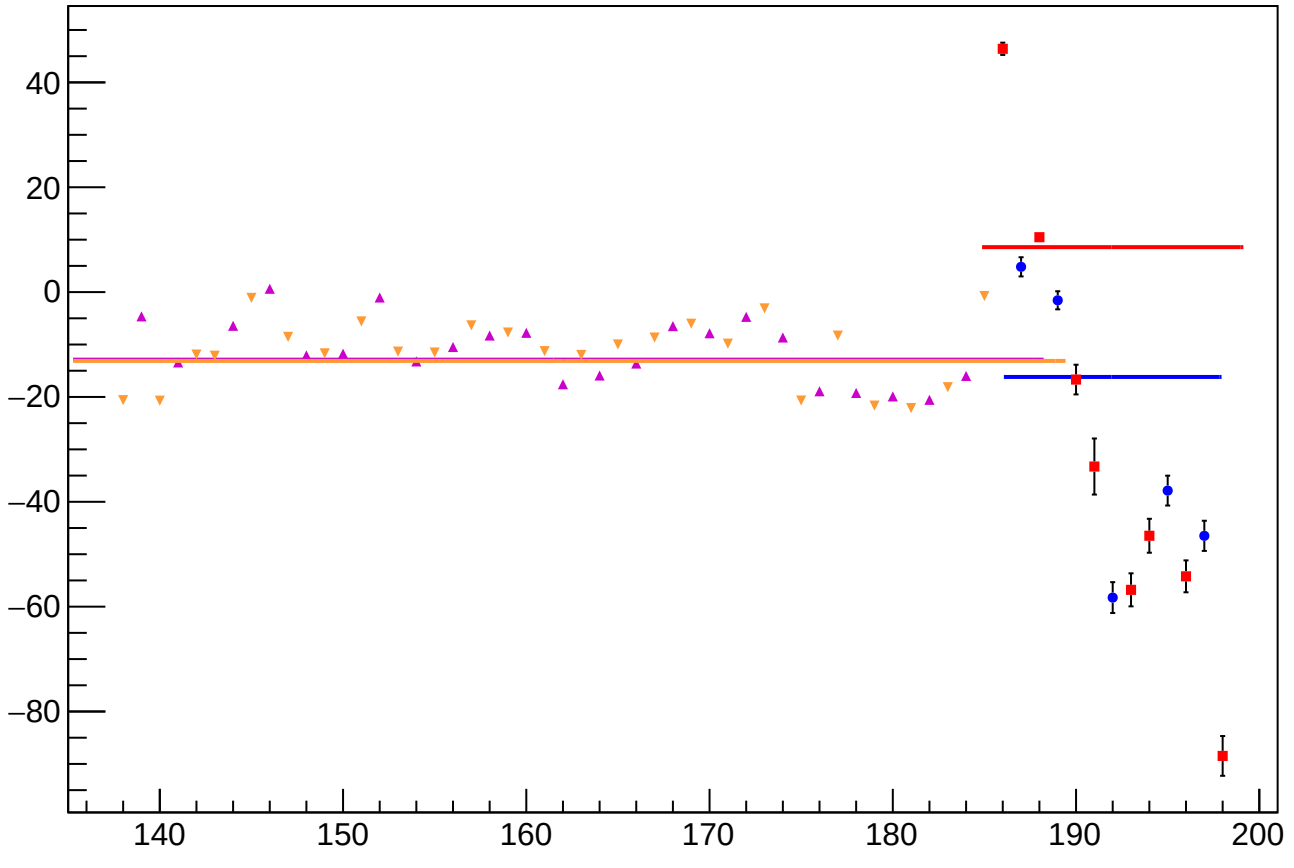
Left: 0.305+/-0.001 χ^2/NDF: 3293.0/47

Right: 0.077+/-0.017 χ^2/NDF: 4073.3/12

In: 0.304+/-0.002 χ^2/NDF:2054.9/27

Out: 0.302+/-0.002 χ^2/NDF:5489.9/32

All: 0.303+/-0.001 χ^2/NDF: 7545.6/60



Right In: -16.184+/-1.003 χ^2/NDF: 576.9/4

Left Out: -13.125+/-0.094 χ^2/NDF:5977.6/24

Right Out: 8.576+/-0.643 χ^2/NDF: 2997.5/7

Left In: -12.885+/-0.095 χ^2/NDF:4776.2/22

Left: -13.007+/-0.067 χ^2/NDF: 10757.0/47

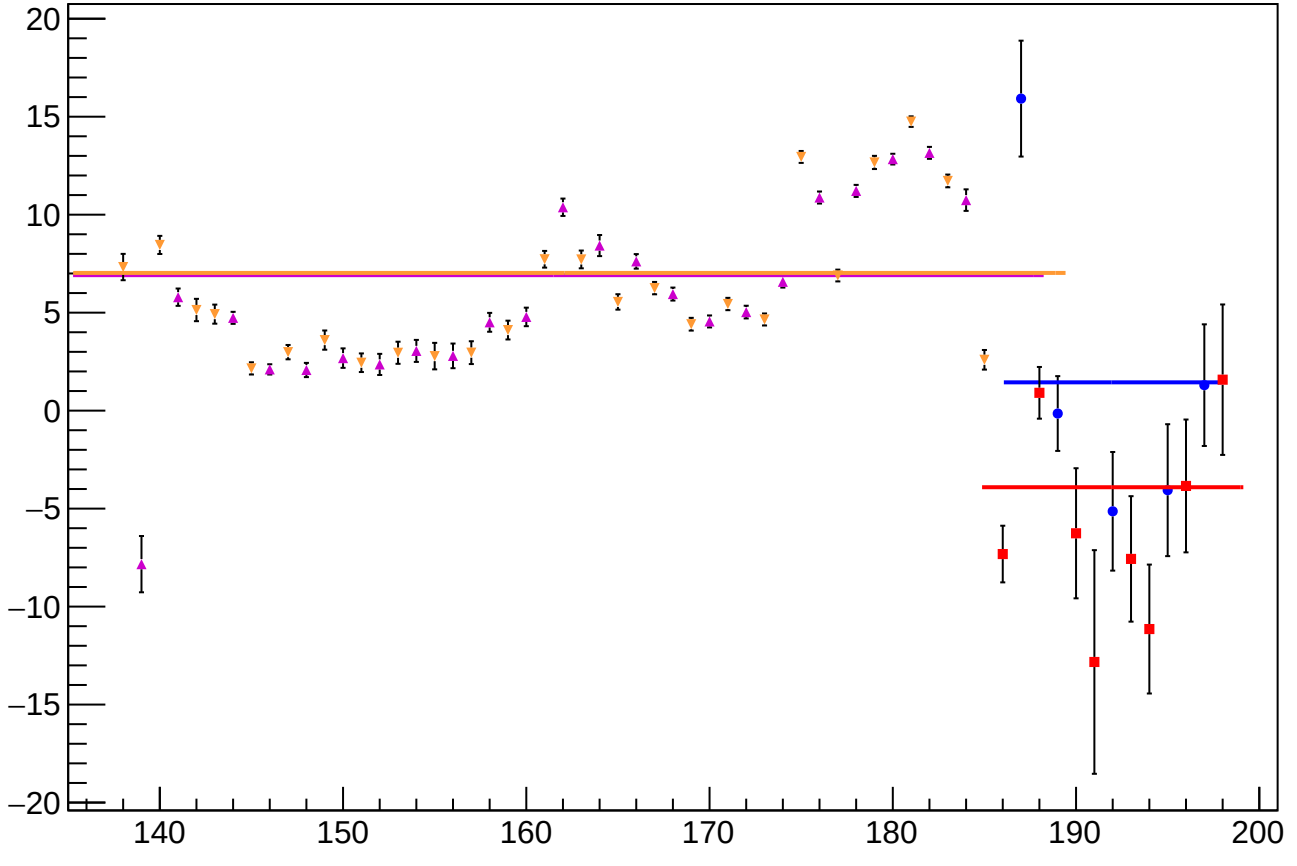
Right: 1.365+/-0.541 χ^2/NDF: 4006.4/12

In: -12.915+/-0.095 χ^2/NDF:5363.8/27

Out: -12.674+/-0.093 χ^2/NDF:10090.8/32

All: -12.792+/-0.066 χ^2/NDF: 15457.9/60

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.444+/-1.204 χ^2/NDF: 32.1/4

Left Out: 7.028+/-0.077 χ^2/NDF:2665.3/24

Right Out: -3.909+/-0.811 χ^2/NDF: 30.0/7

Left In: 6.914+/-0.078 χ^2/NDF:2428.2/22

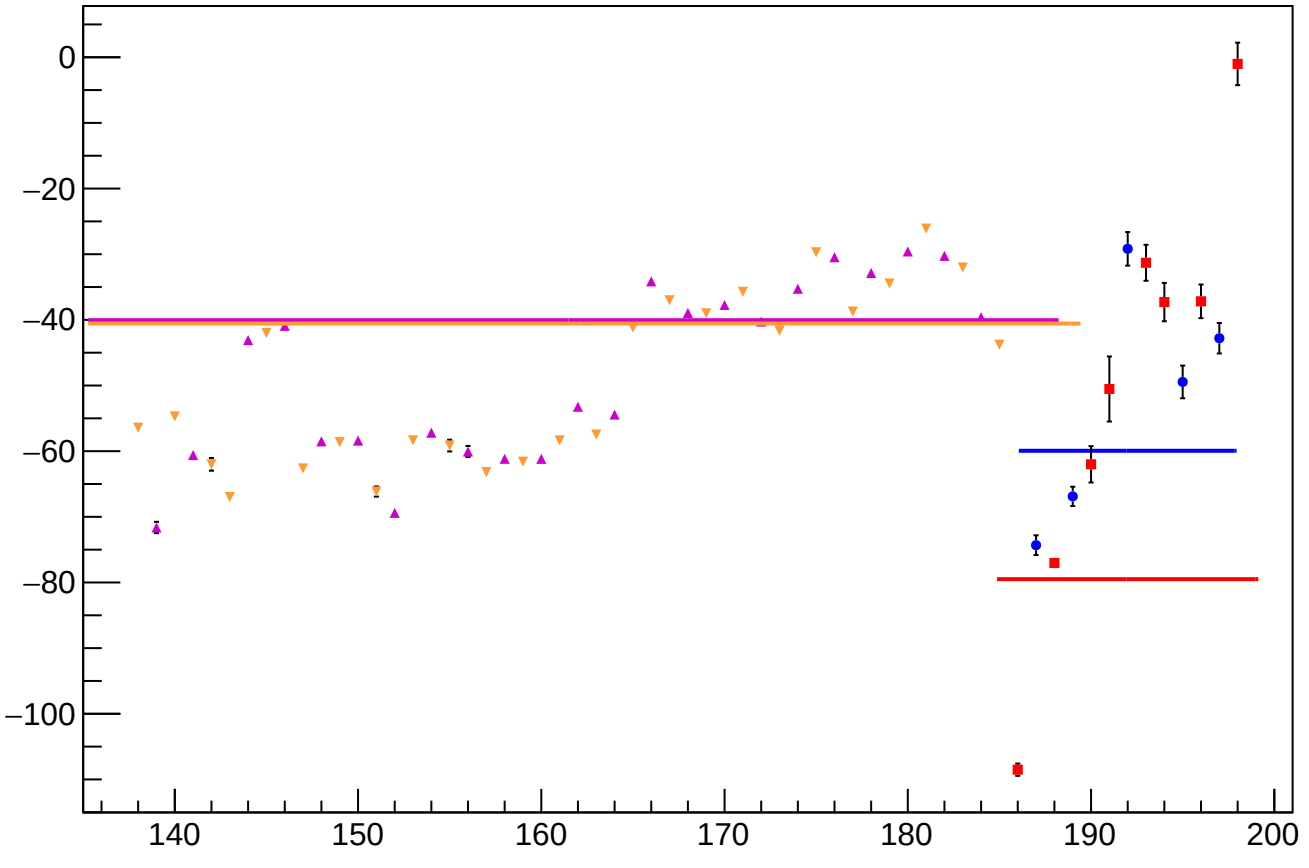
Left: 6.971+/-0.055 χ^2/NDF: 5094.6/47

Right: -2.237+/-0.673 χ^2/NDF: 75.7/12

In: 6.891+/-0.078 χ^2/NDF:2480.9/27

Out: 6.930+/-0.077 χ^2/NDF:2875.4/32

All: 6.911+/-0.055 χ^2/NDF: 5356.4/60



Right In: -59.939+/-0.844 χ^2/NDF: 330.5/4

Left Out: -40.563+/-0.095 χ^2/NDF:15637.6/24

Right Out: -79.495+/-0.528 χ^2/NDF: 2426.3/7

Left In: -40.053+/-0.096 χ^2/NDF:13927.3/22

Left: -40.310+/-0.067 χ^2/NDF: 29579.2/47

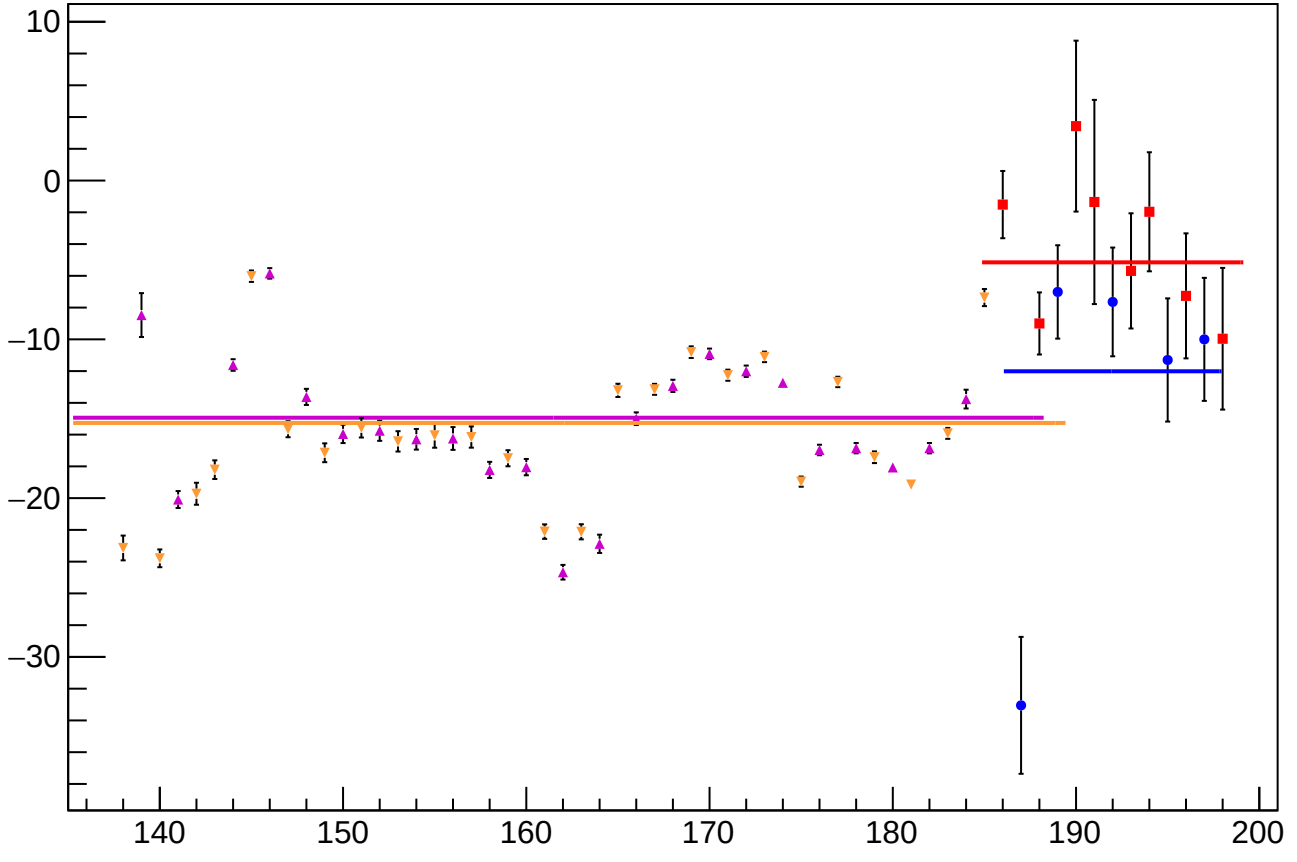
Right: -73.990+/-0.448 χ^2/NDF: 3142.5/12

In: -40.306+/-0.095 χ^2/NDF:14805.9/27

Out: -41.775+/-0.093 χ^2/NDF:23325.0/32

All: -41.055+/-0.067 χ^2/NDF: 38252.8/60

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.012+/-1.606 χ^2/NDF: 28.6/4

Left Out: -15.266+/-0.086 χ^2/NDF:2595.5/24

Right Out: -5.151+/-1.114 χ^2/NDF: 11.9/7

Left In: -14.936+/-0.087 χ^2/NDF:2199.7/22

Left: -15.103+/-0.061 χ^2/NDF: 4802.4/47

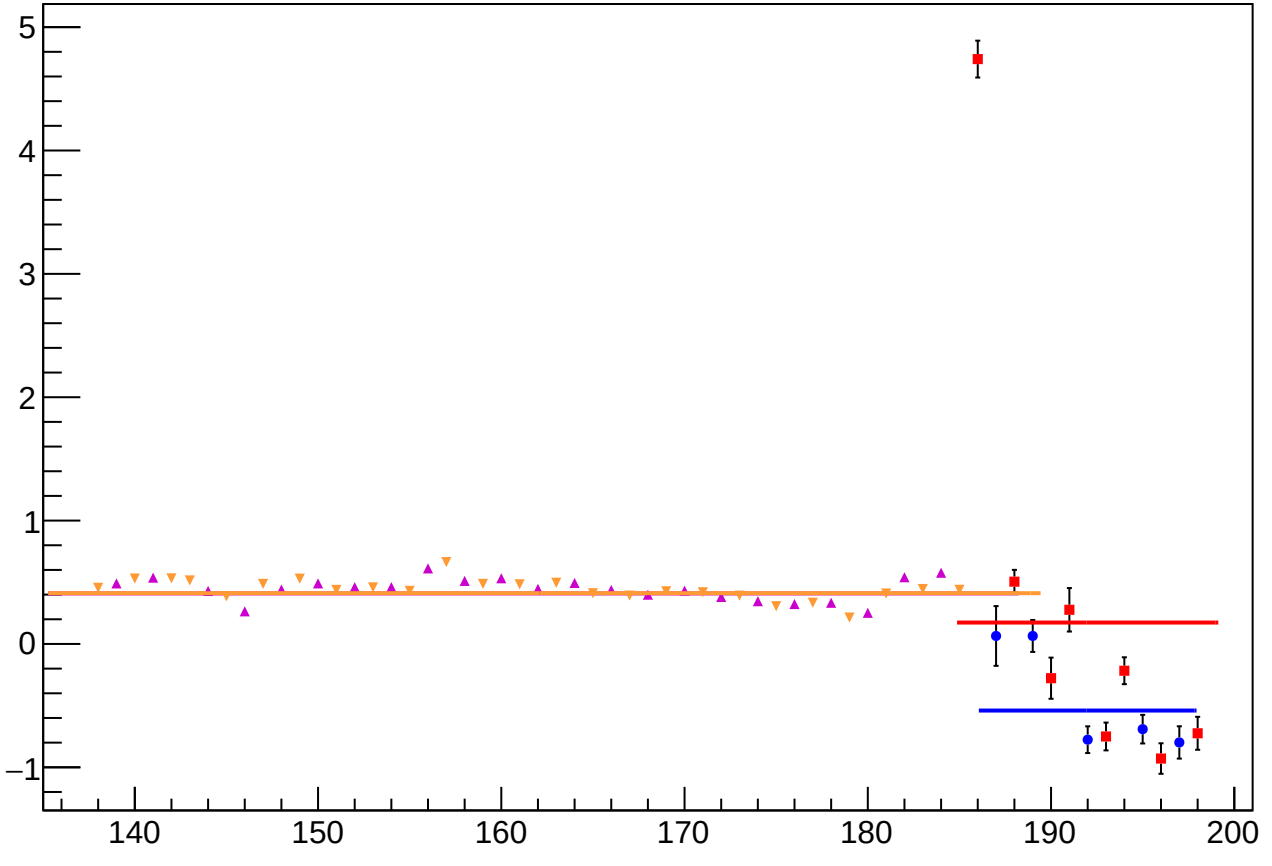
Right: -7.381+/-0.916 χ^2/NDF: 52.9/12

In: -14.928+/-0.087 χ^2/NDF:2231.6/27

Out: -15.206+/-0.086 χ^2/NDF:2689.3/32

All: -15.069+/-0.061 χ^2/NDF: 4926.1/60

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.540+/-0.058 χ^2/NDF: 38.4/4

Left Out: 0.411+/-0.004 χ^2/NDF:428.7/24

Right Out: 0.173+/-0.044 χ^2/NDF: 1159.4/7

Left In: 0.409+/-0.004 χ^2/NDF:557.8/22

Left: 0.410+/-0.003 χ^2/NDF: 986.7/47

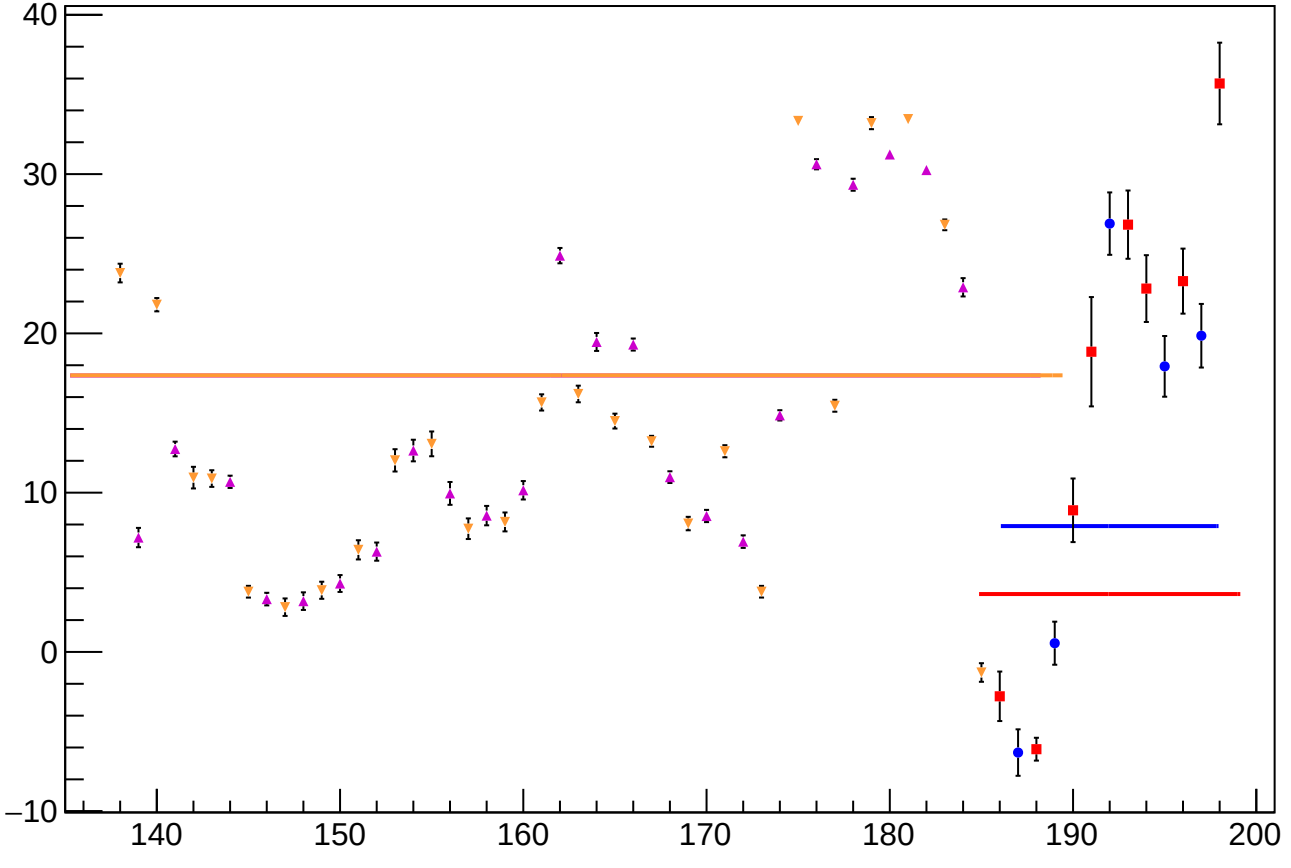
Right: -0.089+/-0.035 χ^2/NDF: 1292.5/12

In: 0.405+/-0.004 χ^2/NDF:860.4/27

Out: 0.410+/-0.004 χ^2/NDF:1616.5/32

All: 0.407+/-0.003 χ^2/NDF: 2477.6/60

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.901+/-0.745 χ^2/NDF: 282.1/4

Left Out: 17.367+/-0.087 χ^2/NDF:16337.6/24

Right Out: 3.635+/-0.532 χ^2/NDF: 678.2/7

Left In: 17.355+/-0.089 χ^2/NDF:12745.1/22

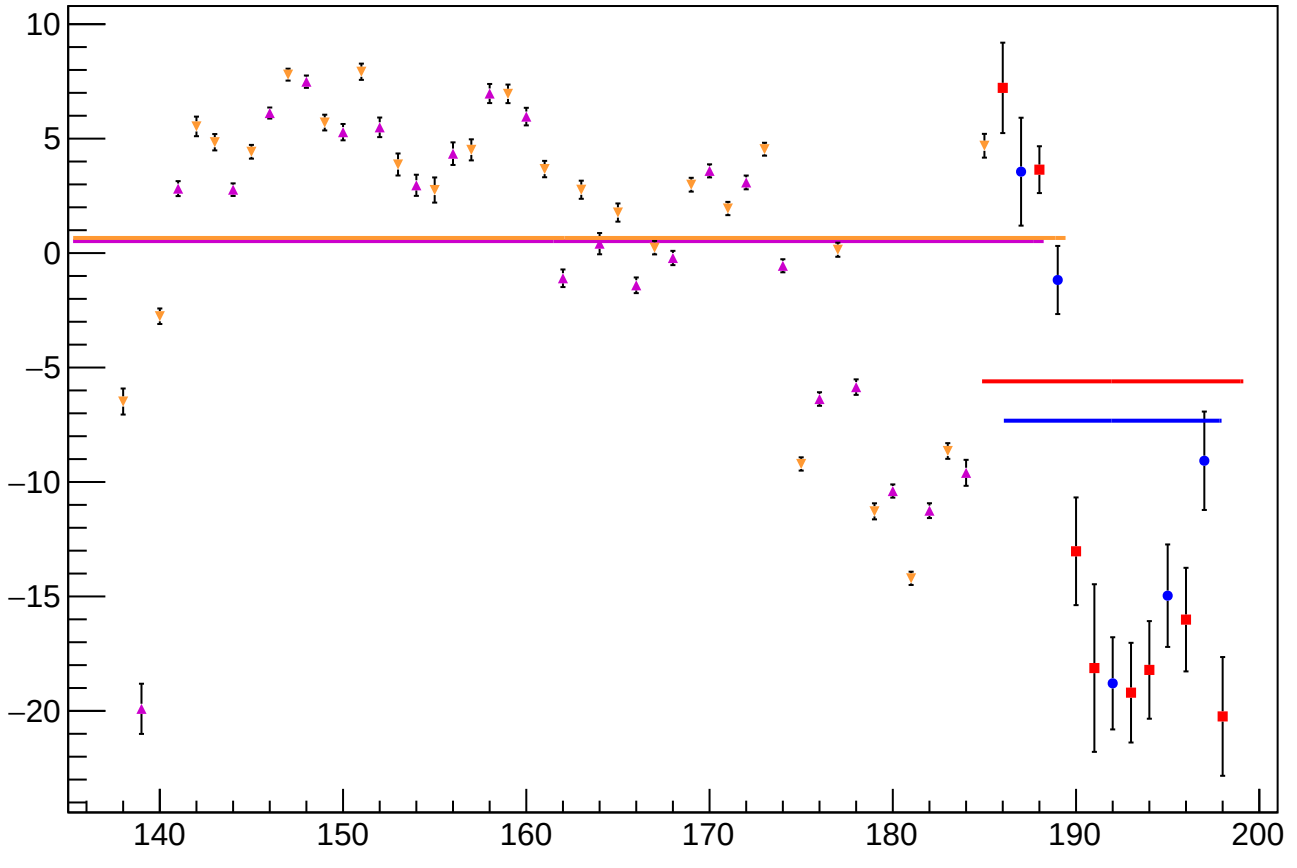
Left: 17.361+/-0.062 χ^2/NDF: 29082.8/47

Right: 5.077+/-0.433 χ^2/NDF: 982.0/12

In: 17.222+/-0.088 χ^2/NDF:13186.2/27

Out: 17.009+/-0.086 χ^2/NDF:17664.8/32

All: 17.113+/-0.062 χ^2/NDF: 30854.0/60



Right In: -7.322+/-0.879 χ^2/NDF: 83.2/4

Left Out: 0.661+/-0.069 χ^2/NDF:8553.9/24

Right Out: -5.603+/-0.668 χ^2/NDF: 272.5/7

Left In: 0.524+/-0.071 χ^2/NDF:6729.7/22

Left: 0.594+/-0.050 χ^2/NDF: 15285.5/47

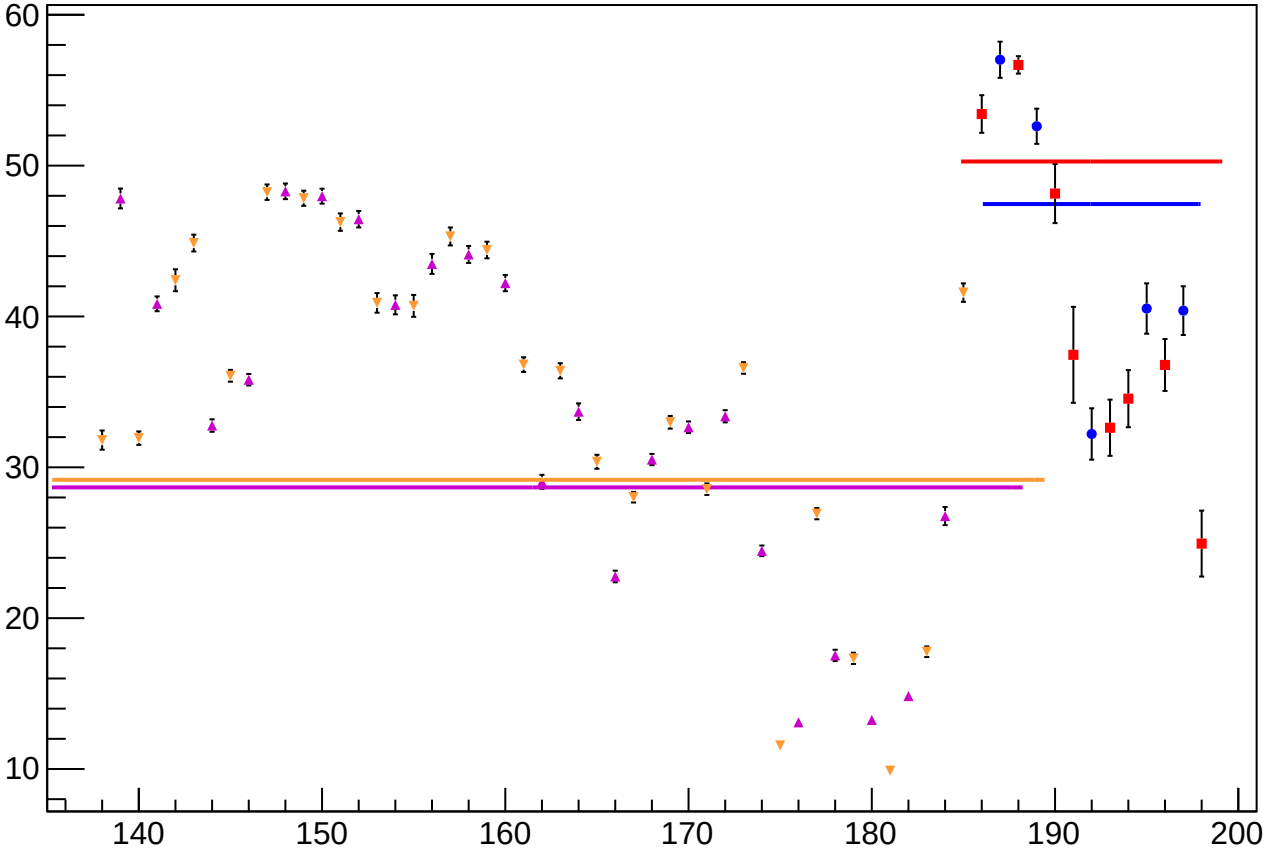
Right: -6.232+/-0.532 χ^2/NDF: 358.1/12

In: 0.473+/-0.071 χ^2/NDF:6892.0/27

Out: 0.594+/-0.069 χ^2/NDF:8913.4/32

All: 0.535+/-0.049 χ^2/NDF: 15806.9/60

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 47.453+/-0.630 χ^2/NDF: 199.6/4

Left Out: 29.171+/-0.088 χ^2/NDF:18974.7/24

Right Out: 50.274+/-0.443 χ^2/NDF: 500.8/7

Left In: 28.667+/-0.089 χ^2/NDF:16847.2/22

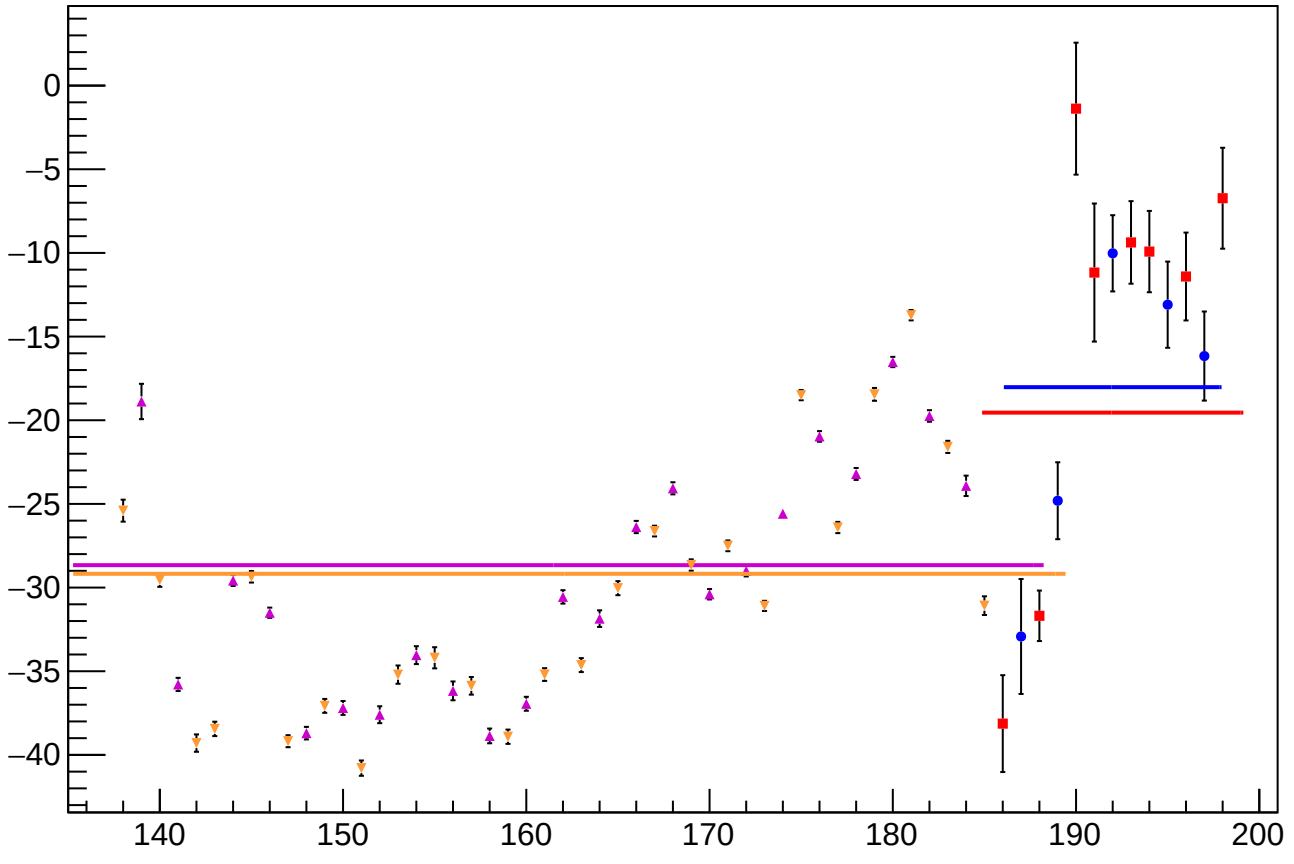
Left: 28.923+/-0.063 χ^2/NDF: 35838.1/47

Right: 49.342+/-0.362 χ^2/NDF: 713.9/12

In: 29.035+/-0.088 χ^2/NDF:17917.6/27

Out: 29.969+/-0.086 χ^2/NDF:21662.3/32

All: 29.514+/-0.062 χ^2/NDF: 39637.3/60



Right In: -18.023+/-1.148 χ^2/NDF: 44.0/4

Left Out: -29.178+/-0.078 χ^2/NDF:9081.4/24

Right Out: -19.544+/-0.887 χ^2/NDF: 191.6/7

Left In: -28.660+/-0.080 χ^2/NDF:6670.1/22

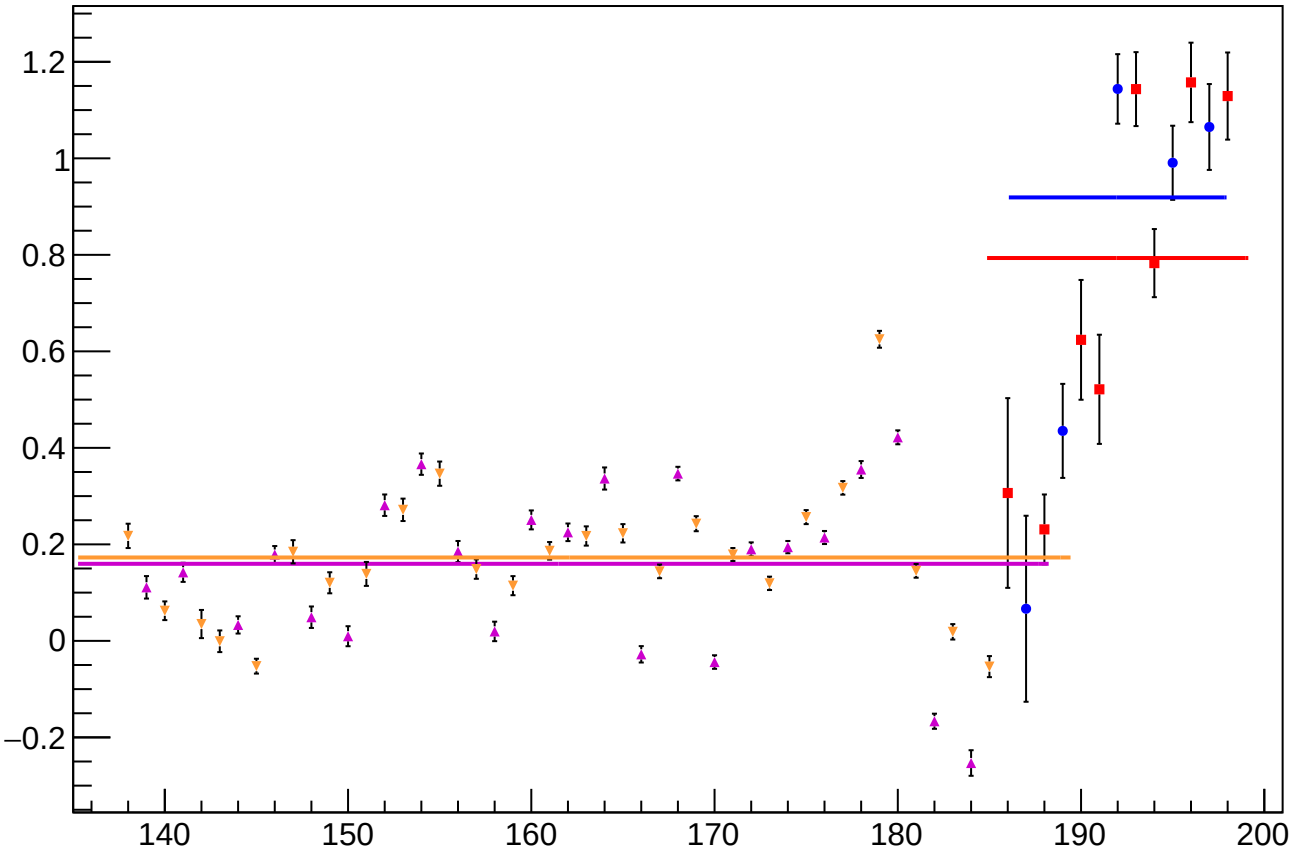
Left: -28.924+/-0.056 χ^2/NDF: 15773.0/47

Right: -18.975+/-0.702 χ^2/NDF: 236.8/12

In: -28.609+/-0.080 χ^2/NDF:6799.6/27

Out: -29.104+/-0.078 χ^2/NDF:9390.0/32

All: -28.862+/-0.056 χ^2/NDF: 16209.3/60



Right In: 0.919+/-0.040 χ^2/NDF: 57.5/4

Left Out: 0.173+/-0.004 χ^2/NDF:1478.5/24

Right Out: 0.793+/-0.032 χ^2/NDF: 128.5/7

Left In: 0.160+/-0.004 χ^2/NDF:2057.9/22

Left: 0.166+/-0.003 χ^2/NDF: 3542.9/47

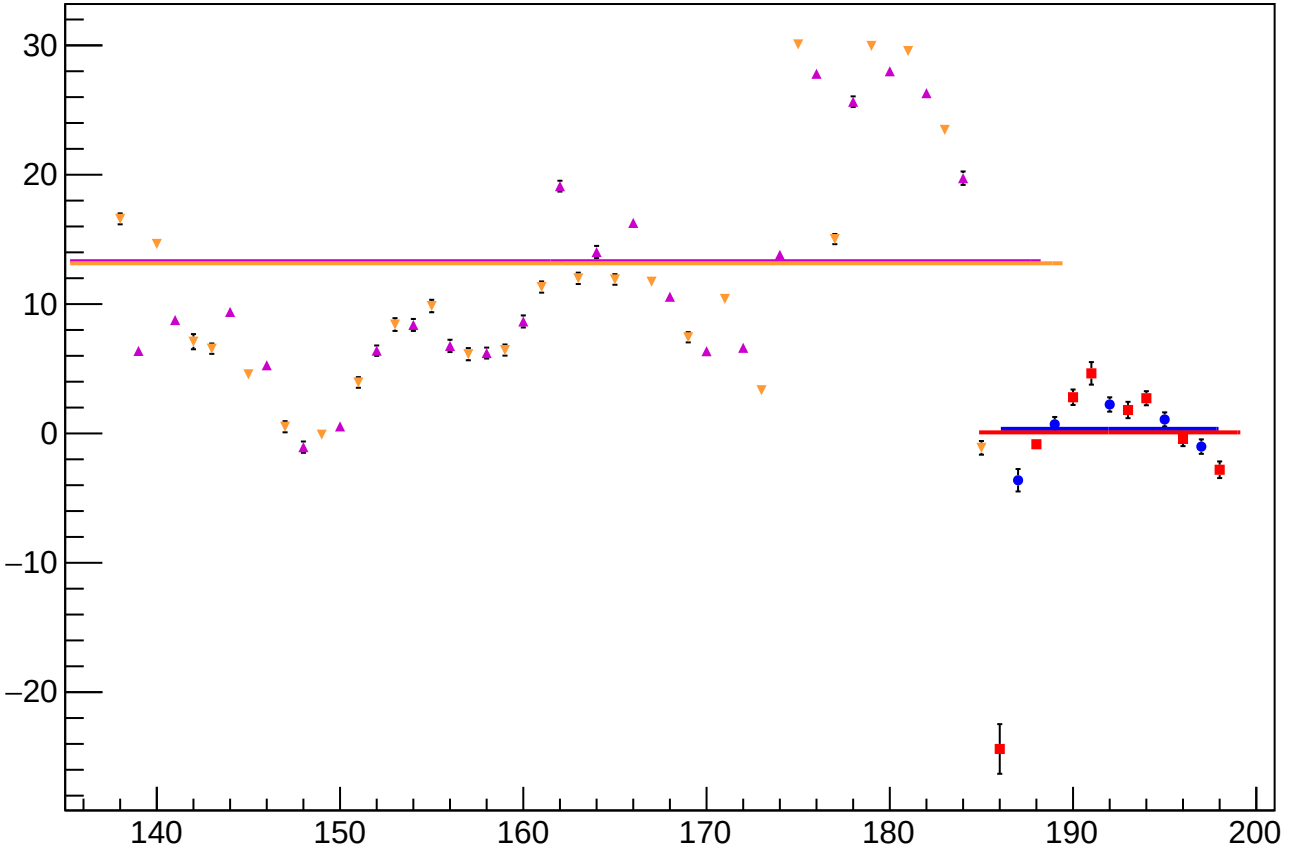
Right: 0.841+/-0.025 χ^2/NDF: 192.0/12

In: 0.166+/-0.004 χ^2/NDF:2470.3/27

Out: 0.181+/-0.004 χ^2/NDF:1987.6/32

All: 0.173+/-0.003 χ^2/NDF: 4466.3/60

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.356+/-0.265 χ^2/NDF: 40.7/4

Left Out: 13.153+/-0.075 χ^2/NDF:17079.7/24

Right Out: 0.082+/-0.187 χ^2/NDF: 273.3/7

Left In: 13.315+/-0.077 χ^2/NDF:13977.7/22

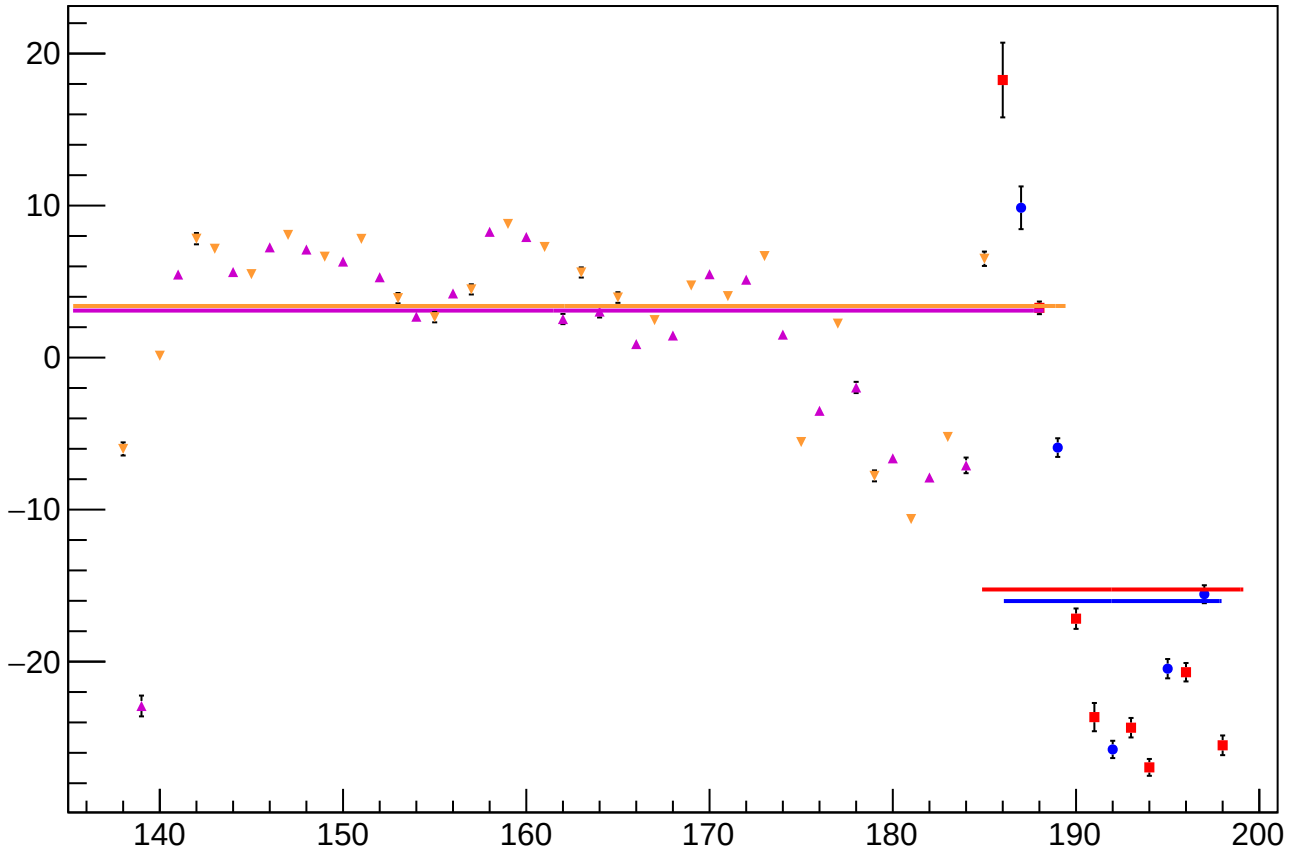
Left: 13.232+/-0.054 χ^2/NDF: 31059.6/47

Right: 0.173+/-0.153 χ^2/NDF: 314.7/12

In: 12.305+/-0.074 χ^2/NDF:16220.8/27

Out: 11.337+/-0.070 χ^2/NDF:21547.6/32

All: 11.793+/-0.051 χ^2/NDF: 37858.7/60



Right In: -16.016+/-0.294 χ^2/NDF: 953.0/4

Left Out: 3.396+/-0.058 χ^2/NDF:8101.5/24

Right Out: -15.254+/-0.223 χ^2/NDF: 3252.4/7

Left In: 3.092+/-0.061 χ^2/NDF:7104.4/22

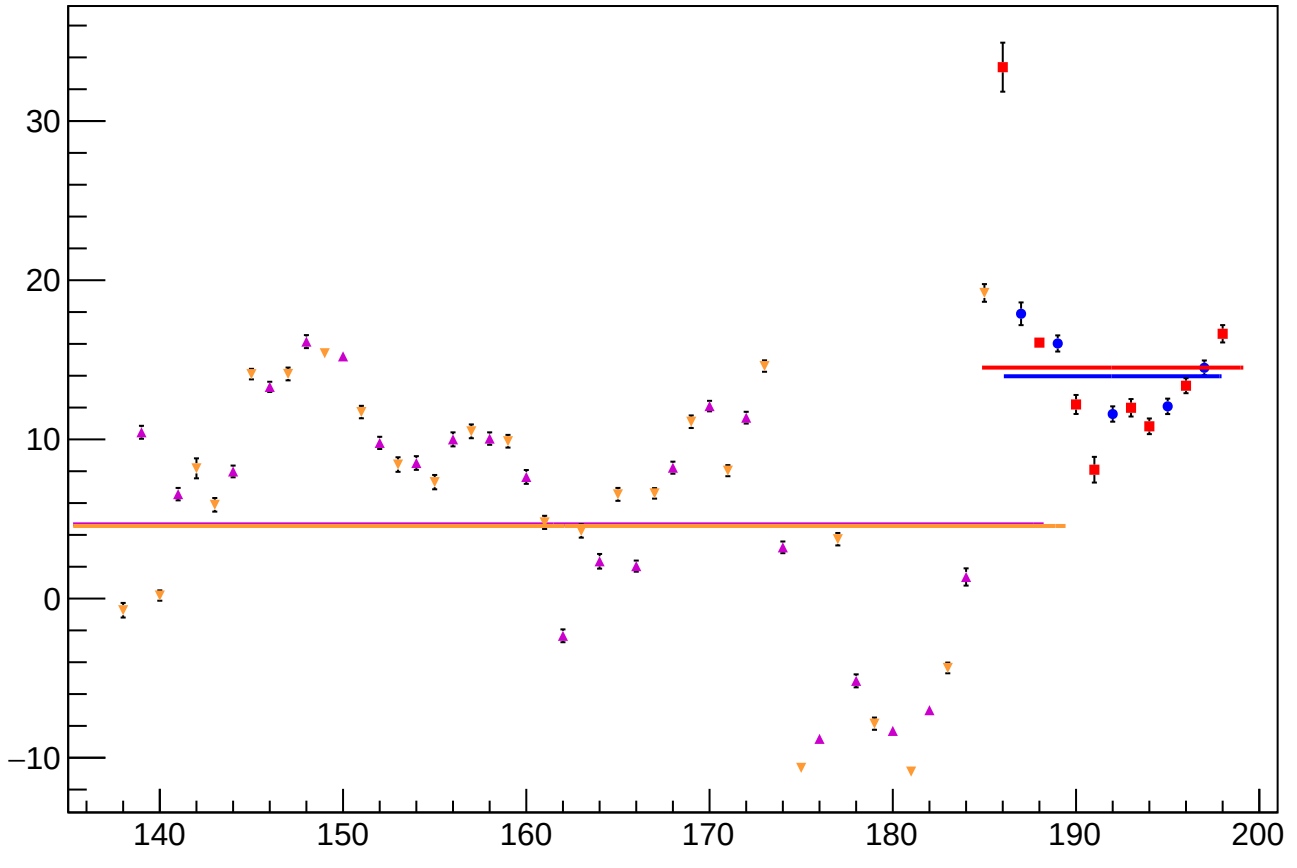
Left: 3.250+/-0.042 χ^2/NDF: 15218.9/47

Right: -15.532+/-0.177 χ^2/NDF: 4209.7/12

In: 2.313+/-0.059 χ^2/NDF:12117.1/27

Out: 2.197+/-0.056 χ^2/NDF:17914.0/32

All: 2.252+/-0.041 χ^2/NDF: 30033.0/60



Right In: 13.966+/-0.229 χ^2/NDF: 87.5/4

Left Out: 4.561+/-0.075 χ^2/NDF:13592.1/24

Right Out: 14.511+/-0.160 χ^2/NDF: 373.9/7

Left In: 4.662+/-0.077 χ^2/NDF:11281.5/22

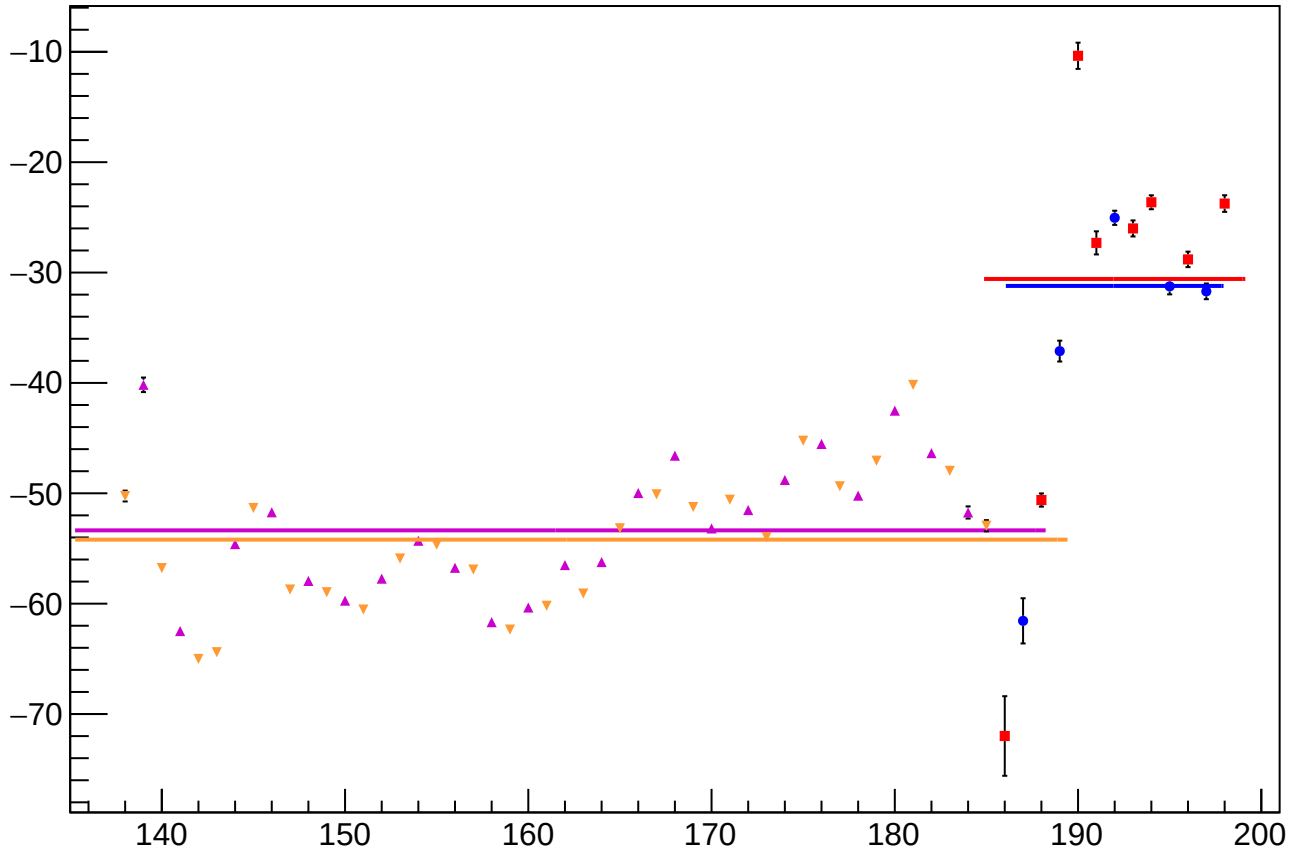
Left: 4.610+/-0.054 χ^2/NDF: 24874.4/47

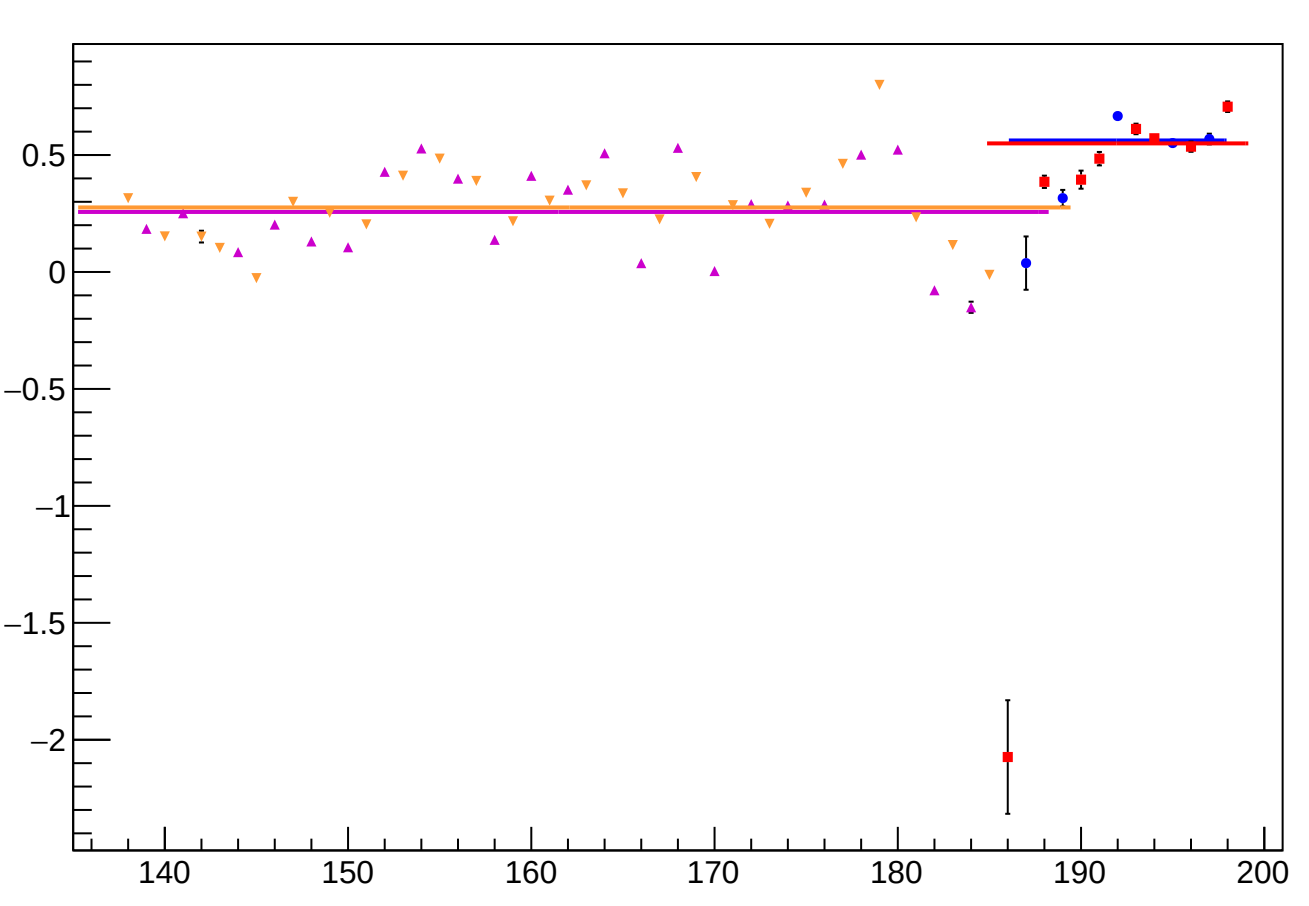
Right: 14.332+/-0.131 χ^2/NDF: 465.2/12

In: 5.606+/-0.073 χ^2/NDF:12857.8/27

Out: 6.375+/-0.068 χ^2/NDF:17141.5/32

All: 6.016+/-0.050 χ^2/NDF: 30058.7/60


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
140
150
160
170
180
190
200
Right In: -31.211+/-0.362 χ²/NDF: 351.4/4
Left Out: -54.199+/-0.066 χ²/NDF:8454.7/24
Right Out: -30.580+/-0.281 χ²/NDF: 1798.7/7
Left In: -53.359+/-0.068 χ²/NDF:6882.0/22
Left: -53.792+/-0.048 χ²/NDF: 15414.3/47
Right: -30.817+/-0.222 χ²/NDF: 2152.0/12
In: -52.593+/-0.067 χ²/NDF:10850.2/27
Out: -52.949+/-0.065 χ²/NDF:16951.0/32
All: -52.778+/-0.047 χ²/NDF: 27815.8/60



Right In: 0.562+/-0.012 χ^2/NDF: 97.1/4

Left Out: 0.276+/-0.003 χ^2/NDF:2623.6/24

Right Out: 0.550+/-0.009 χ^2/NDF: 234.4/7

Left In: 0.257+/-0.003 χ^2/NDF:3623.9/22

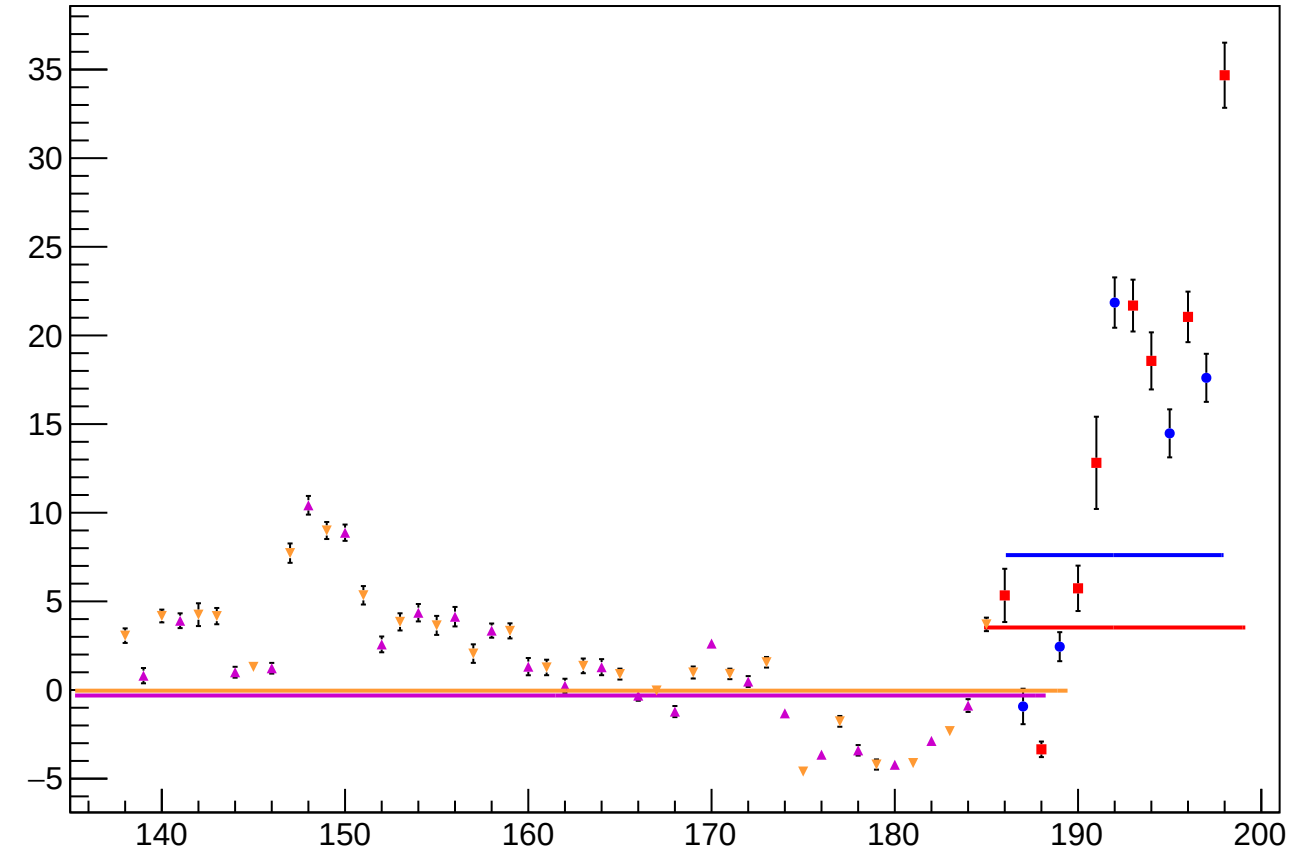
Left: 0.266+/-0.002 χ^2/NDF: 6267.0/47

Right: 0.554+/-0.007 χ^2/NDF: 332.2/12

In: 0.277+/-0.003 χ^2/NDF:4363.8/27

Out: 0.304+/-0.003 χ^2/NDF:3686.0/32

All: 0.291+/-0.002 χ^2/NDF: 8092.1/60



Right In: 7.610+/-0.495 χ^2/NDF: 293.4/4

Left Out: -0.037+/-0.066 χ^2/NDF:2637.7/24

Right Out: 3.526+/-0.353 χ^2/NDF: 942.3/7

Left In: -0.310+/-0.067 χ^2/NDF:2250.5/22

Left: -0.171+/-0.047 χ^2/NDF: 4896.5/47

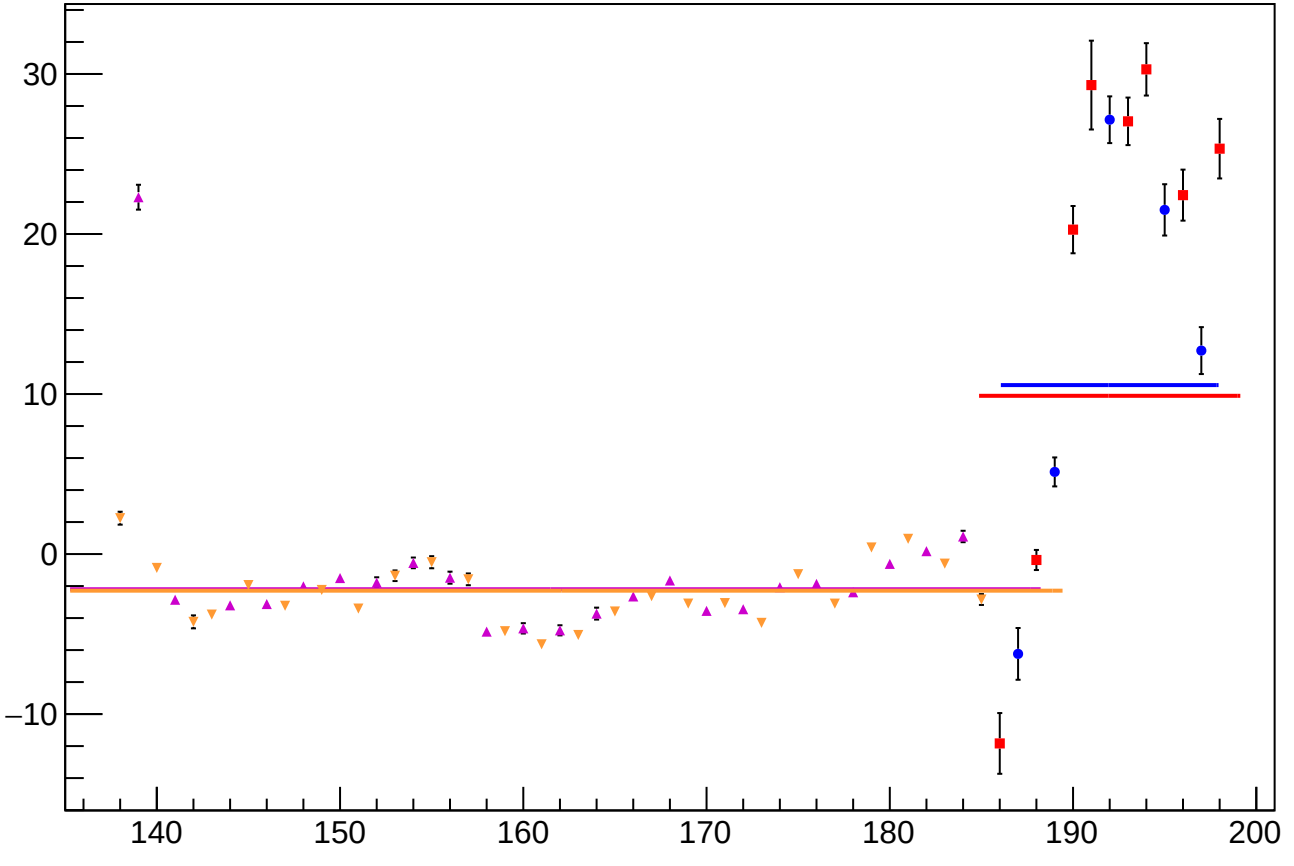
Right: 4.901+/-0.287 χ^2/NDF: 1280.9/12

In: -0.166+/-0.067 χ^2/NDF:2795.1/27

Out: 0.083+/-0.065 χ^2/NDF:3678.5/32

All: -0.038+/-0.047 χ^2/NDF: 6480.8/60

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.559+/-0.585 χ^2/NDF: 321.5/4

Left Out: -2.288+/-0.054 χ^2/NDF:1137.7/24

Right Out: 9.889+/-0.451 χ^2/NDF: 915.8/7

Left In: -2.198+/-0.055 χ^2/NDF:1673.9/22

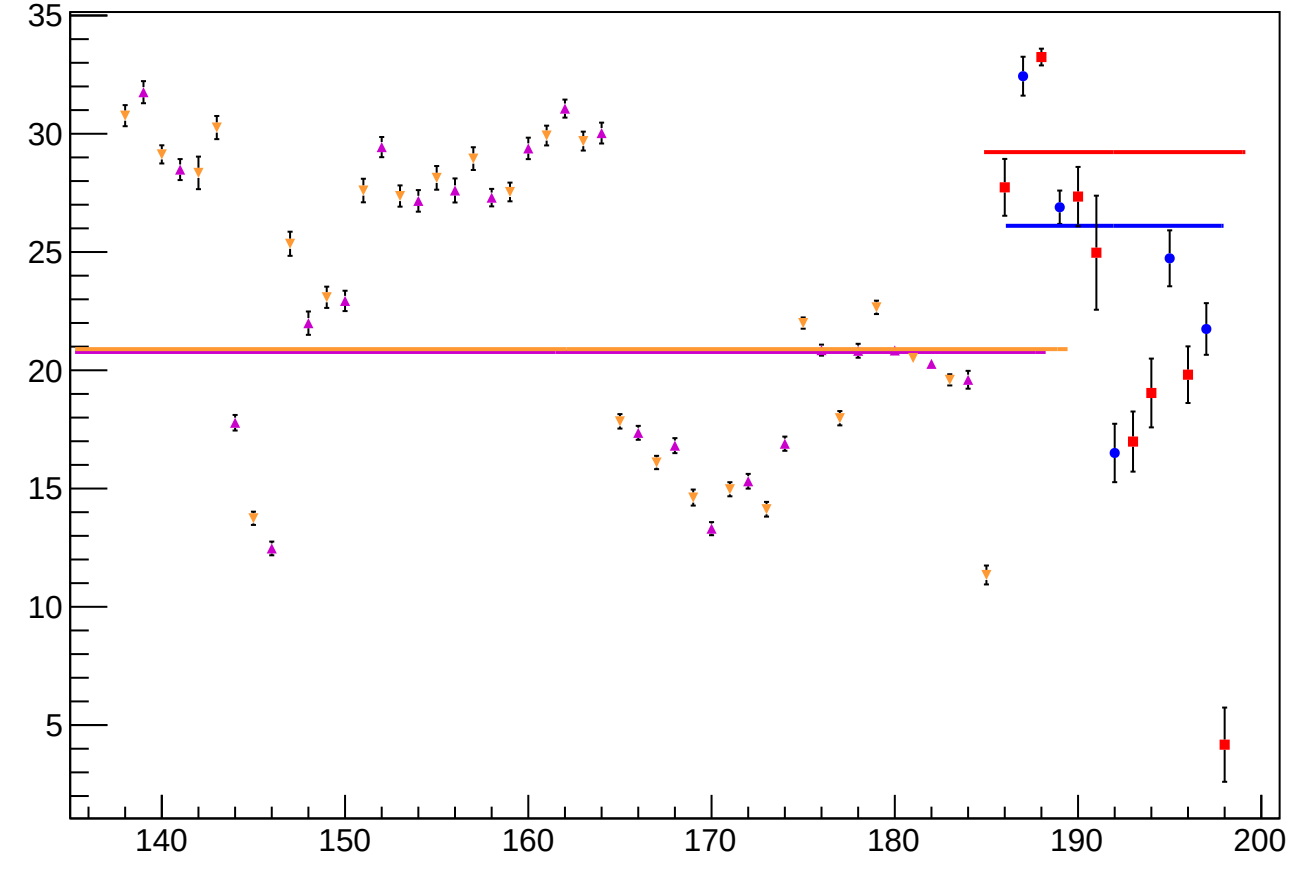
Left: -2.244+/-0.039 χ^2/NDF: 2813.0/47

Right: 10.139+/-0.357 χ^2/NDF: 1238.1/12

In: -2.085+/-0.055 χ^2/NDF:2467.3/27

Out: -2.115+/-0.054 χ^2/NDF:2771.4/32

All: -2.101+/-0.038 χ^2/NDF: 5238.9/60



Right In: 26.109+/-0.419 χ^2/NDF: 138.3/4

Left Out: 20.894+/-0.067 χ^2/NDF:6655.4/24

Right Out: 29.224+/-0.293 χ^2/NDF: 594.2/7

Left In: 20.774+/-0.068 χ^2/NDF:5927.9/22

Left: 20.835+/-0.047 χ^2/NDF: 12584.8/47

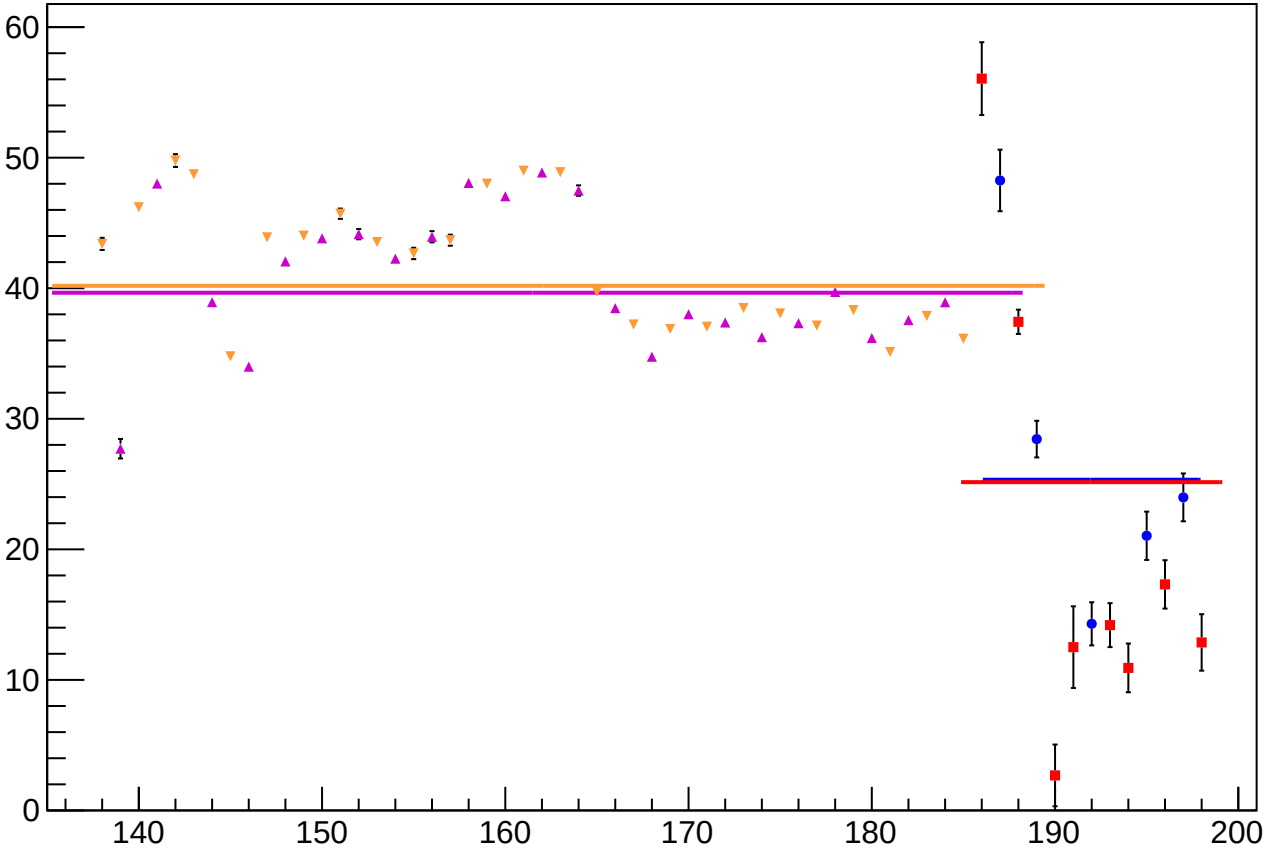
Right: 28.202+/-0.240 χ^2/NDF: 769.6/12

In: 20.910+/-0.067 χ^2/NDF:6224.3/27

Out: 21.306+/-0.065 χ^2/NDF:8019.8/32

All: 21.112+/-0.047 χ^2/NDF: 14262.2/60

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 25.333+/-0.780 χ^2/NDF: 150.0/4

Left Out: 40.186+/-0.060 χ^2/NDF:5932.7/24

Right Out: 25.147+/-0.607 χ^2/NDF: 554.4/7

Left In: 39.655+/-0.061 χ^2/NDF:5298.6/22

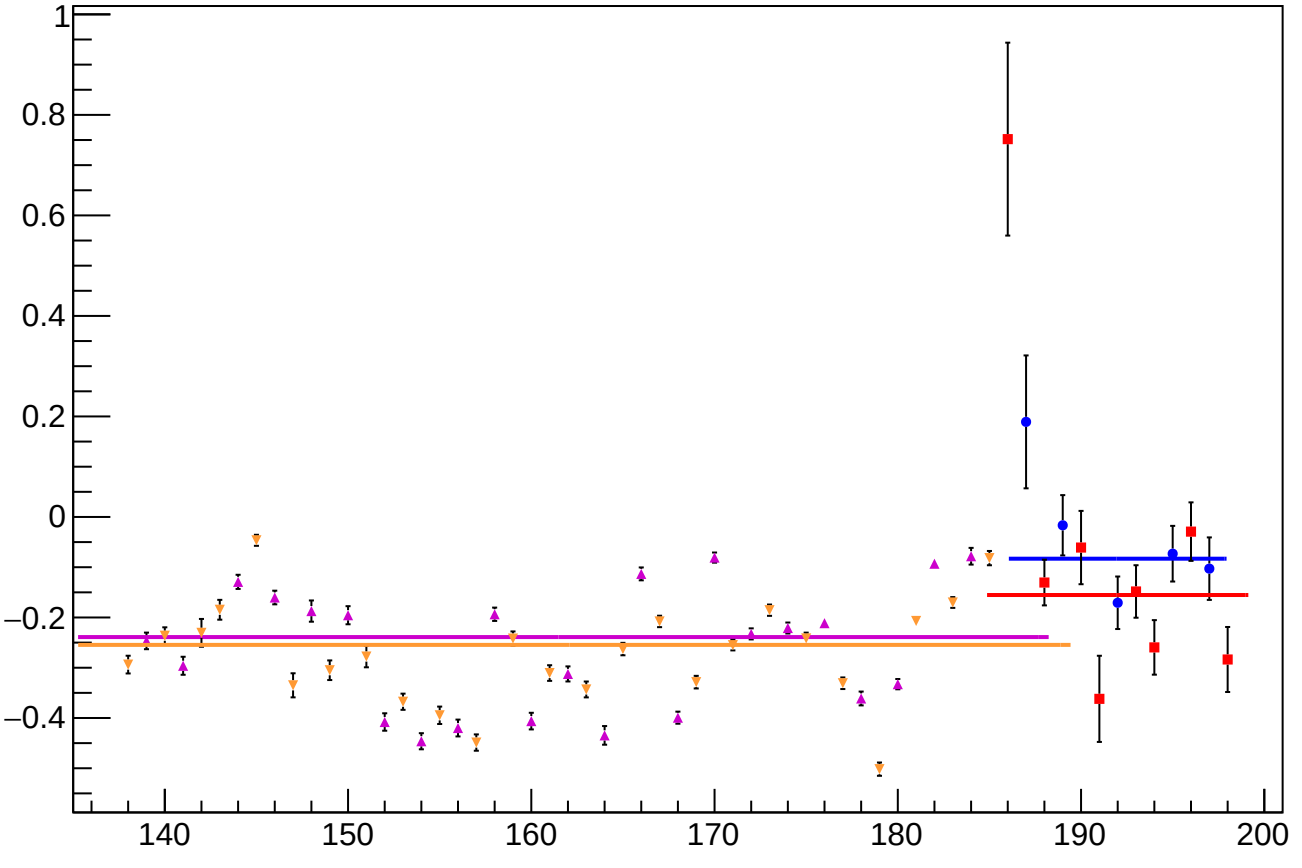
Left: 39.925+/-0.043 χ^2/NDF: 11269.2/47

Right: 25.217+/-0.479 χ^2/NDF: 704.5/12

In: 39.567+/-0.061 χ^2/NDF:5783.9/27

Out: 40.039+/-0.060 χ^2/NDF:7094.3/32

All: 39.807+/-0.043 χ^2/NDF: 12908.5/60



Right In: -0.083+/-0.028 χ^2/NDF: 8.4/4

Left Out: -0.255+/-0.003 χ^2/NDF:1420.4/24

Right Out: -0.155+/-0.022 χ^2/NDF: 42.5/7

Left In: -0.239+/-0.003 χ^2/NDF:1750.5/22

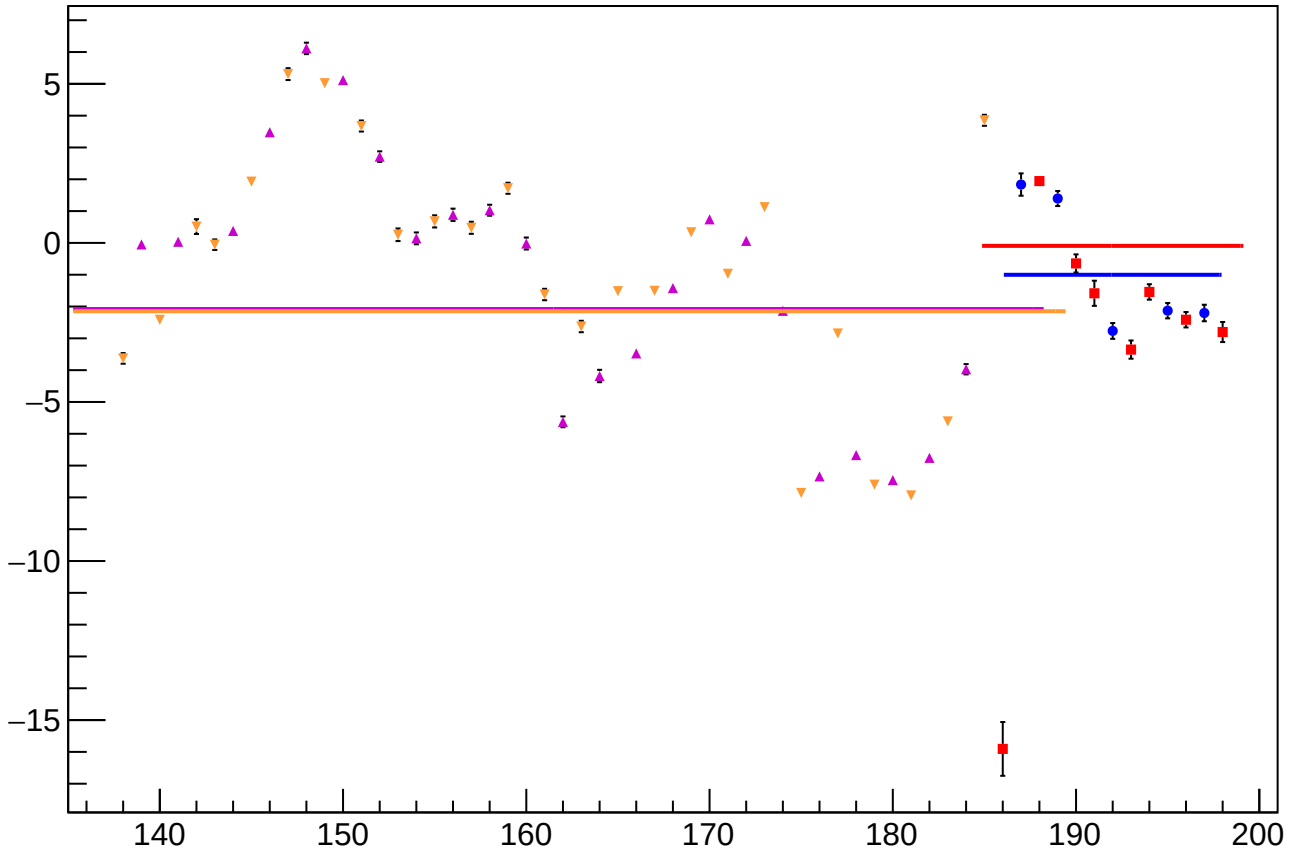
Left: -0.247+/-0.002 χ^2/NDF: 3186.7/47

Right: -0.128+/-0.017 χ^2/NDF: 55.0/12

In: -0.237+/-0.003 χ^2/NDF:1789.9/27

Out: -0.253+/-0.003 χ^2/NDF:1483.0/32

All: -0.245+/-0.002 χ^2/NDF: 3288.9/60



Right In: -1.002+/-0.116 χ^2/NDF: 260.8/4

Left Out: -2.149+/-0.026 χ^2/NDF:24536.3/24

Right Out: -0.093+/-0.079 χ^2/NDF: 1042.7/7

Left In: -2.078+/-0.026 χ^2/NDF:23245.8/22

Left: -2.114+/-0.018 χ^2/NDF: 47785.8/47

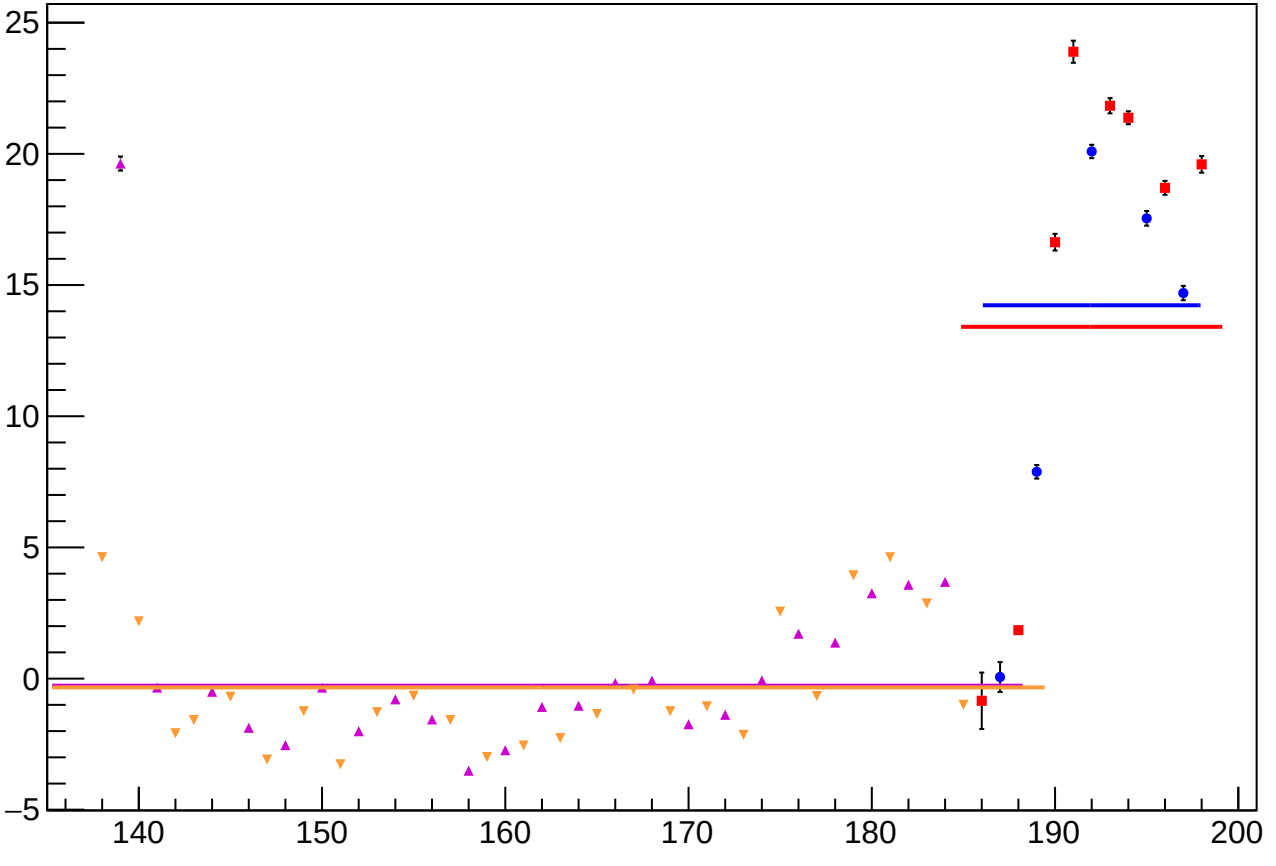
Right: -0.381+/-0.065 χ^2/NDF: 1345.2/12

In: -2.027+/-0.025 χ^2/NDF:23588.1/27

Out: -1.954+/-0.024 χ^2/NDF:26188.8/32

All: -1.989+/-0.018 χ^2/NDF: 49781.1/60

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.229+/-0.130 χ^2/NDF: 1884.5/4

Left Out: -0.335+/-0.021 χ^2/NDF:12596.1/24

Right Out: 13.408+/-0.097 χ^2/NDF: 8674.2/7

Left In: -0.269+/-0.021 χ^2/NDF:13323.1/22

Left: -0.303+/-0.015 χ^2/NDF: 25924.2/47

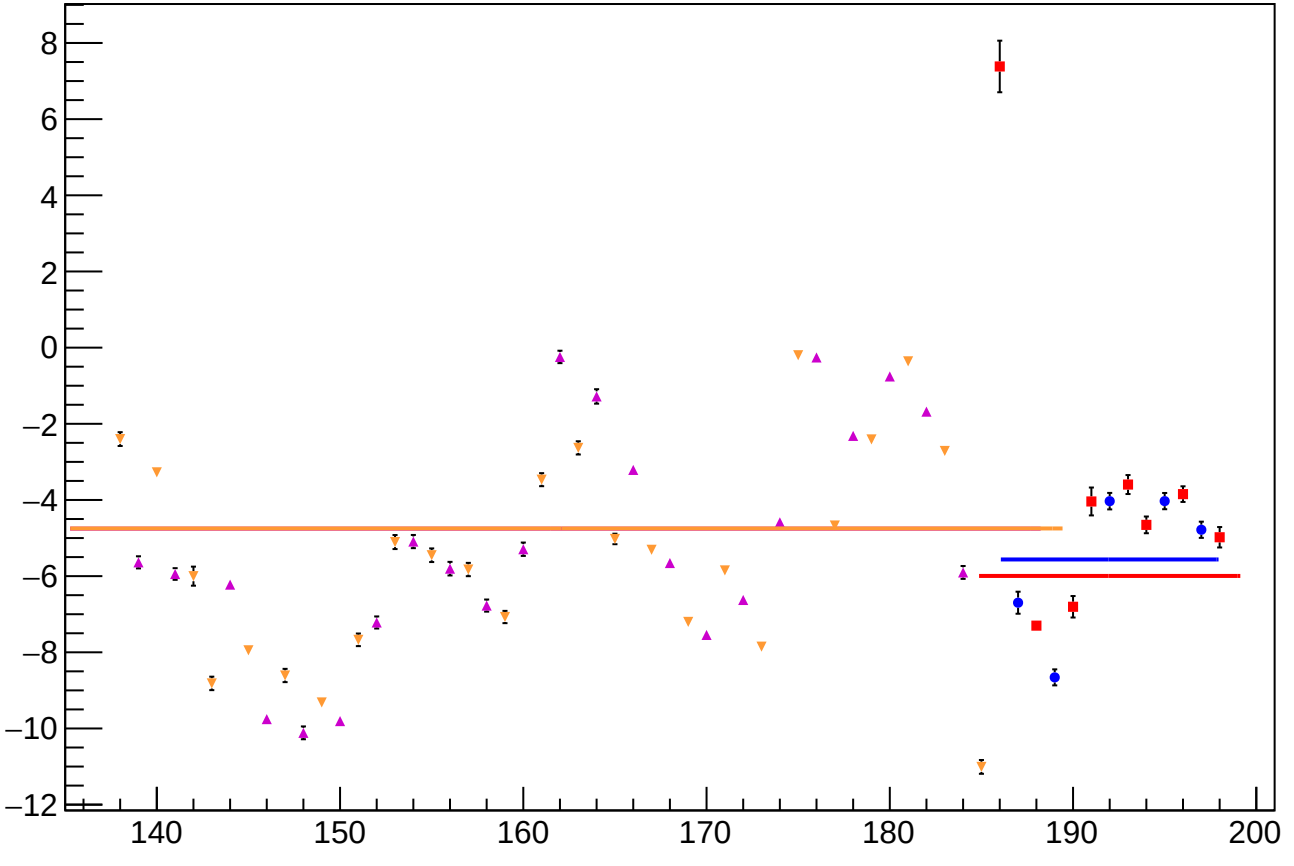
Right: 13.701+/-0.078 χ^2/NDF: 10584.4/12

In: 0.098+/-0.021 χ^2/NDF:27348.1/27

Out: 0.260+/-0.020 χ^2/NDF:40573.1/32

All: 0.181+/-0.014 χ^2/NDF: 67952.7/60

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.562+/-0.100 χ^2/NDF: 347.2/4

Left Out: -4.748+/-0.026 χ^2/NDF:13289.8/24

Right Out: -5.995+/-0.067 χ^2/NDF: 896.3/7

Left In: -4.753+/-0.026 χ^2/NDF:14119.2/22

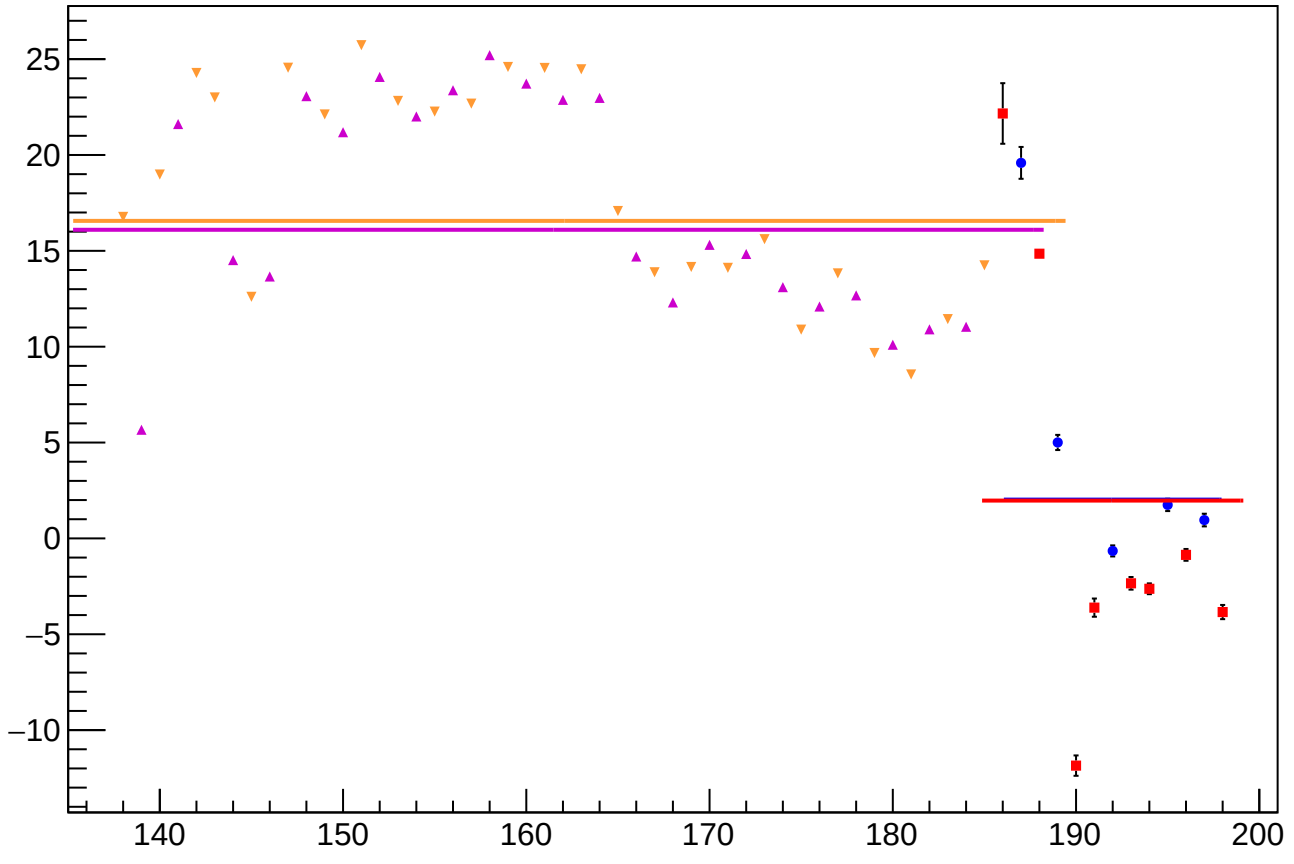
Left: -4.751+/-0.018 χ^2/NDF: 27409.0/47

Right: -5.861+/-0.056 χ^2/NDF: 1256.5/12

In: -4.805+/-0.025 χ^2/NDF:14527.7/27

Out: -4.910+/-0.024 χ^2/NDF:14488.0/32

All: -4.860+/-0.017 χ^2/NDF: 29024.8/60



Right In: 2.023+/-0.161 χ^2/NDF: 600.3/4

Left Out: 16.563+/-0.023 χ^2/NDF:53858.5/24

Right Out: 1.973+/-0.123 χ^2/NDF: 4776.7/7

Left In: 16.098+/-0.024 χ^2/NDF:42345.7/22

Left: 16.335+/-0.017 χ^2/NDF: 96401.9/47

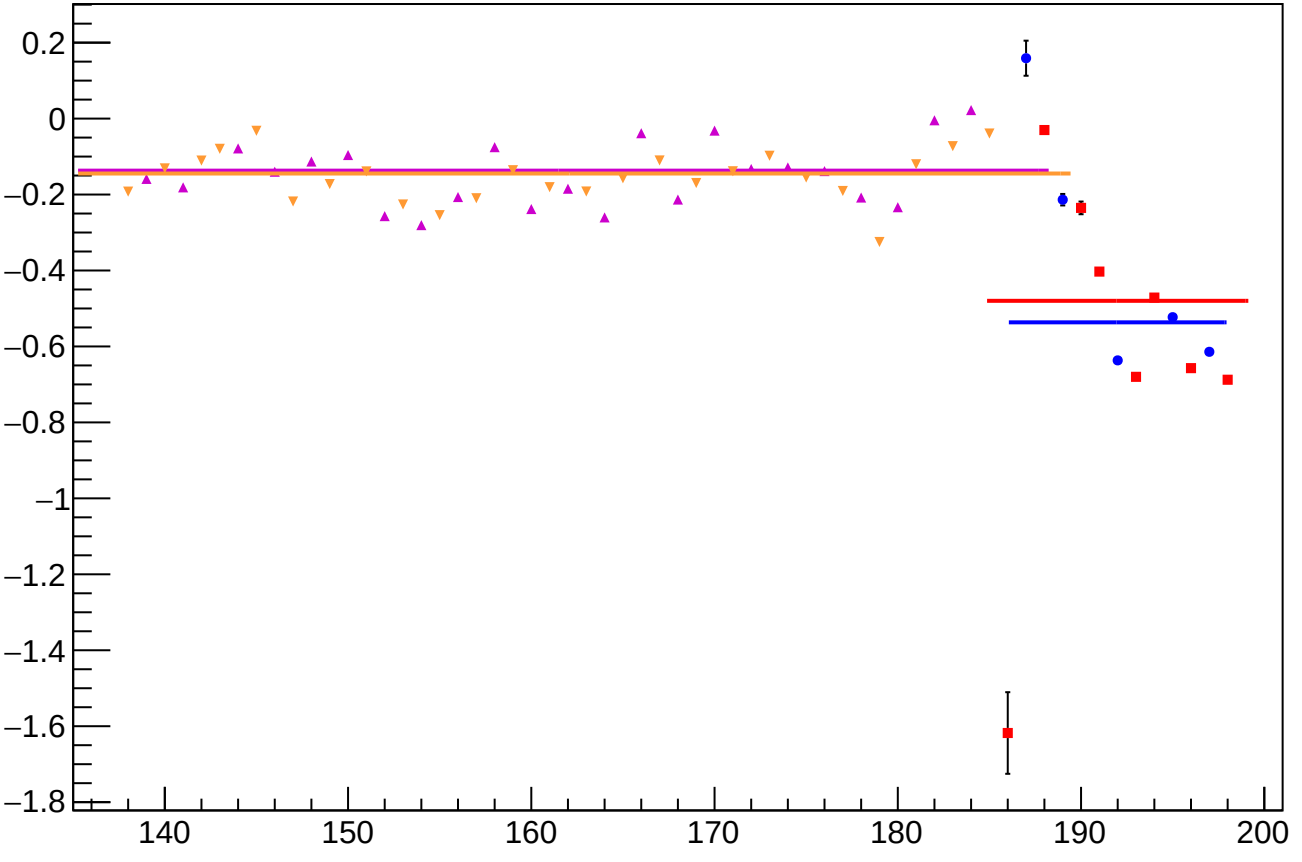
Right: 1.991+/-0.098 χ^2/NDF: 5377.0/12

In: 15.803+/-0.023 χ^2/NDF:50436.1/27

Out: 16.063+/-0.023 χ^2/NDF:72248.9/32

All: 15.936+/-0.016 χ^2/NDF: 122748.7/60

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.537+/-0.005 χ^2/NDF: 858.3/4

Left Out: -0.145+/-0.001 χ^2/NDF:3769.7/24

Right Out: -0.480+/-0.004 χ^2/NDF: 3296.6/7

Left In: -0.137+/-0.001 χ^2/NDF:5392.6/22

Left: -0.141+/-0.001 χ^2/NDF: 9187.6/47

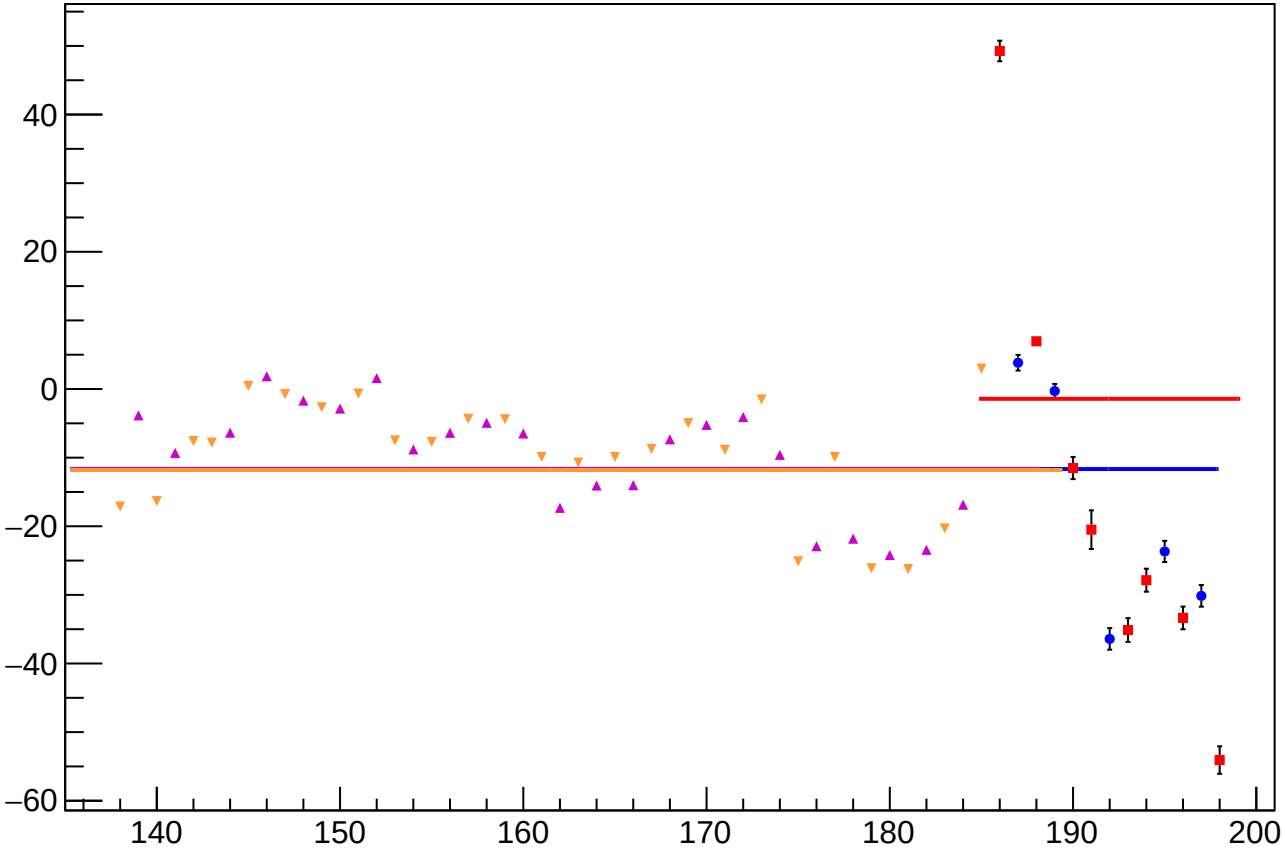
Right: -0.501+/-0.003 χ^2/NDF: 4229.0/12

In: -0.153+/-0.001 χ^2/NDF:11870.6/27

Out: -0.166+/-0.001 χ^2/NDF:13589.1/32

All: -0.160+/-0.001 χ^2/NDF: 25539.0/60

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -11.659+/-0.585 χ^2/NDF: 748.4/4

Left Out: -11.801+/-0.070 χ^2/NDF:17308.2/24

Right Out: -1.421+/-0.418 χ^2/NDF: 3158.6/7

Left In: -11.642+/-0.072 χ^2/NDF:14121.2/22

Left: -11.723+/-0.050 χ^2/NDF: 31432.0/47

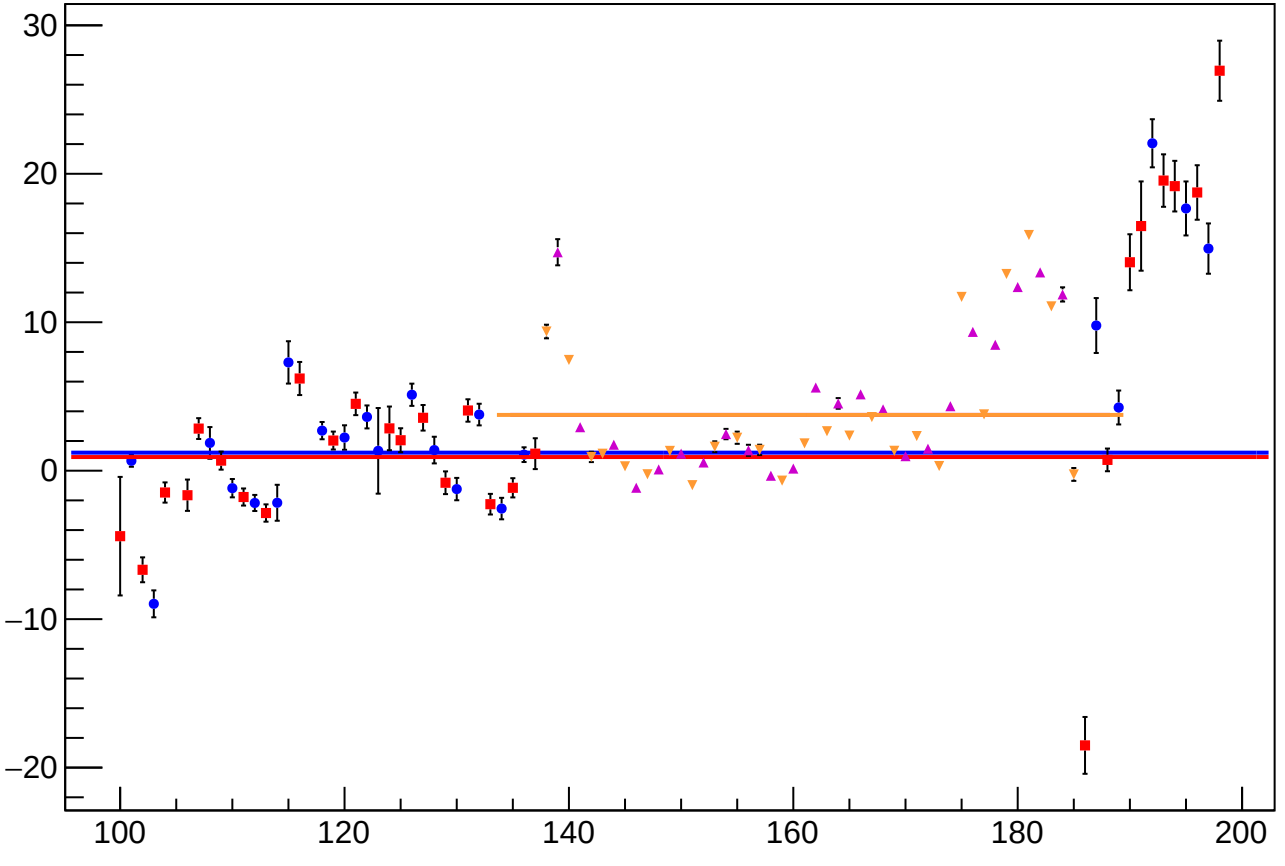
Right: -4.880+/-0.340 χ^2/NDF: 4109.6/12

In: -11.642+/-0.071 χ^2/NDF:14869.6/27

Out: -11.516+/-0.069 χ^2/NDF:21066.5/32

All: -11.577+/-0.050 χ^2/NDF: 35937.7/60

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.215+/-0.165 χ^2/NDF: 645.0/21

Left Out: 3.757+/-0.056 χ^2/NDF:7450.7/24

Right Out: 0.919+/-0.166 χ^2/NDF: 951.5/26

Left In: 3.757+/-0.057 χ^2/NDF:5629.4/22

Left: 3.757+/-0.040 χ^2/NDF: 13080.0/47

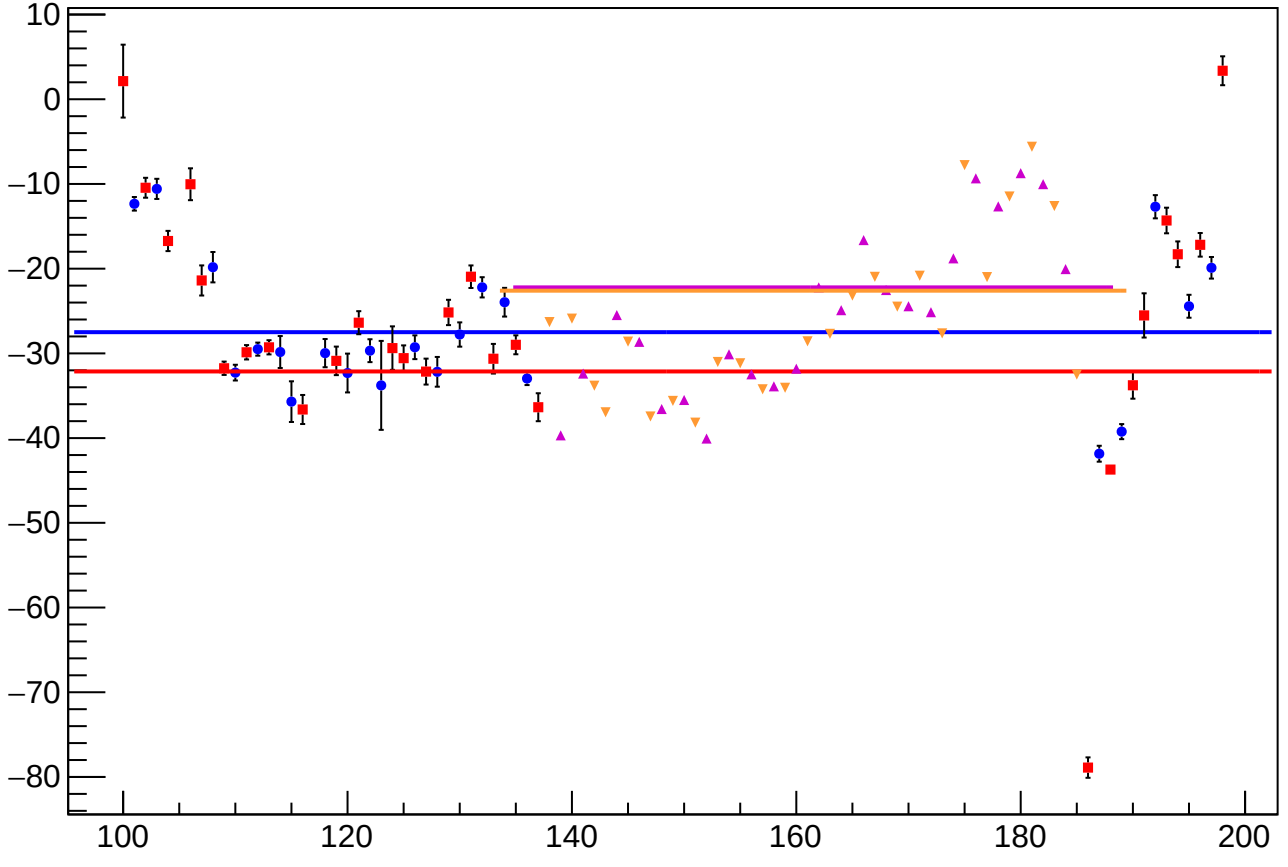
Right: 1.068+/-0.117 χ^2/NDF: 1598.1/48

In: 3.491+/-0.054 χ^2/NDF:6485.5/44

Out: 3.471+/-0.053 χ^2/NDF:8664.9/51

All: 3.481+/-0.038 χ^2/NDF: 15150.5/96

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.495+/-0.257 χ^2/NDF: 1281.7/21

Left Out: -22.598+/-0.071 χ^2/NDF:19933.4/24

Right Out: -32.132+/-0.226 χ^2/NDF: 3896.0/26

Left In: -22.209+/-0.072 χ^2/NDF:17627.4/22

Left: -22.406+/-0.050 χ^2/NDF: 37575.6/47

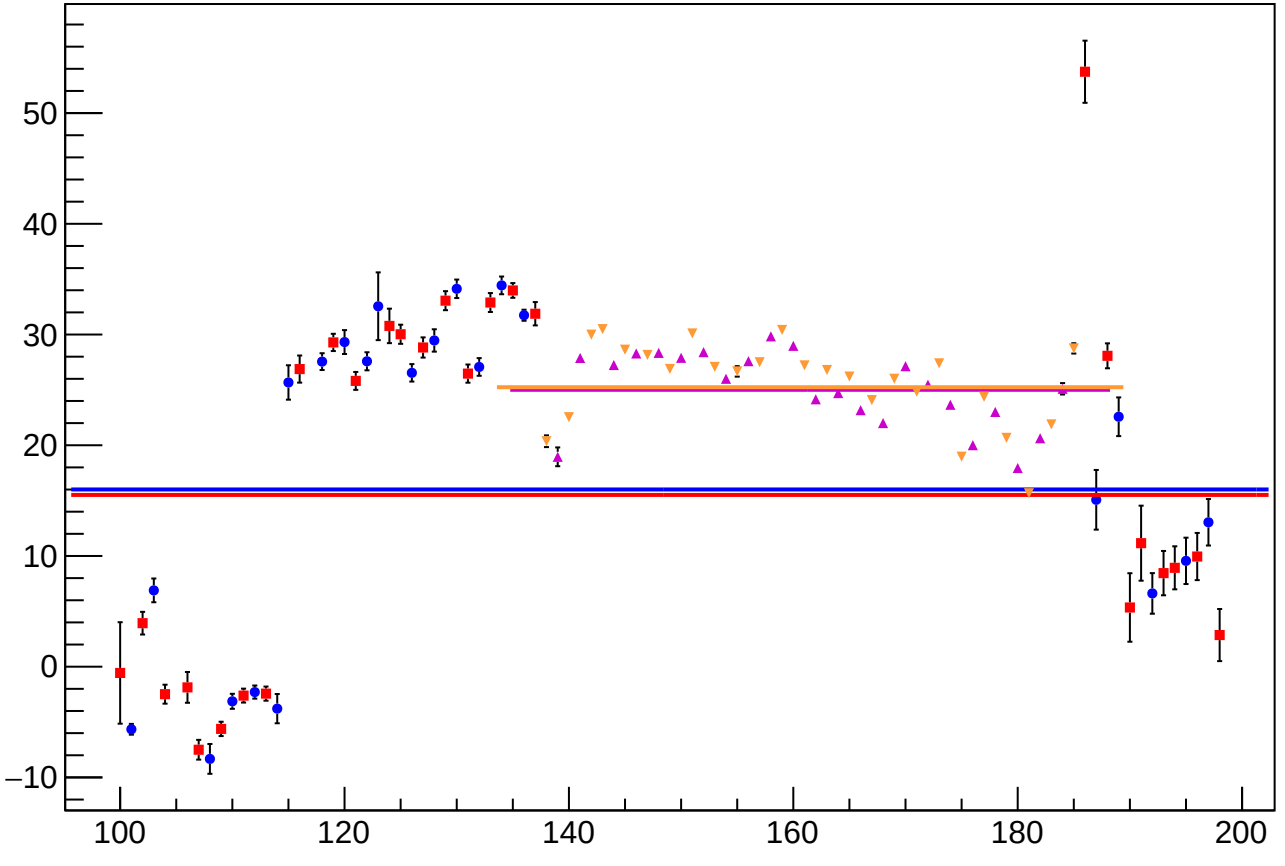
Right: -30.108+/-0.170 χ^2/NDF: 5361.0/48

In: -22.590+/-0.069 χ^2/NDF:19301.4/44

Out: -23.446+/-0.067 χ^2/NDF:25447.9/51

All: -23.027+/-0.048 χ^2/NDF: 44828.1/96

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.007+/-0.188 χ^2/NDF: 7594.4/21

Left Out: 25.242+/-0.063 χ^2/NDF:3786.5/24

Right Out: 15.514+/-0.190 χ^2/NDF: 7645.3/26

Left In: 25.009+/-0.064 χ^2/NDF:2722.0/22

Left: 25.128+/-0.045 χ^2/NDF: 6515.2/47

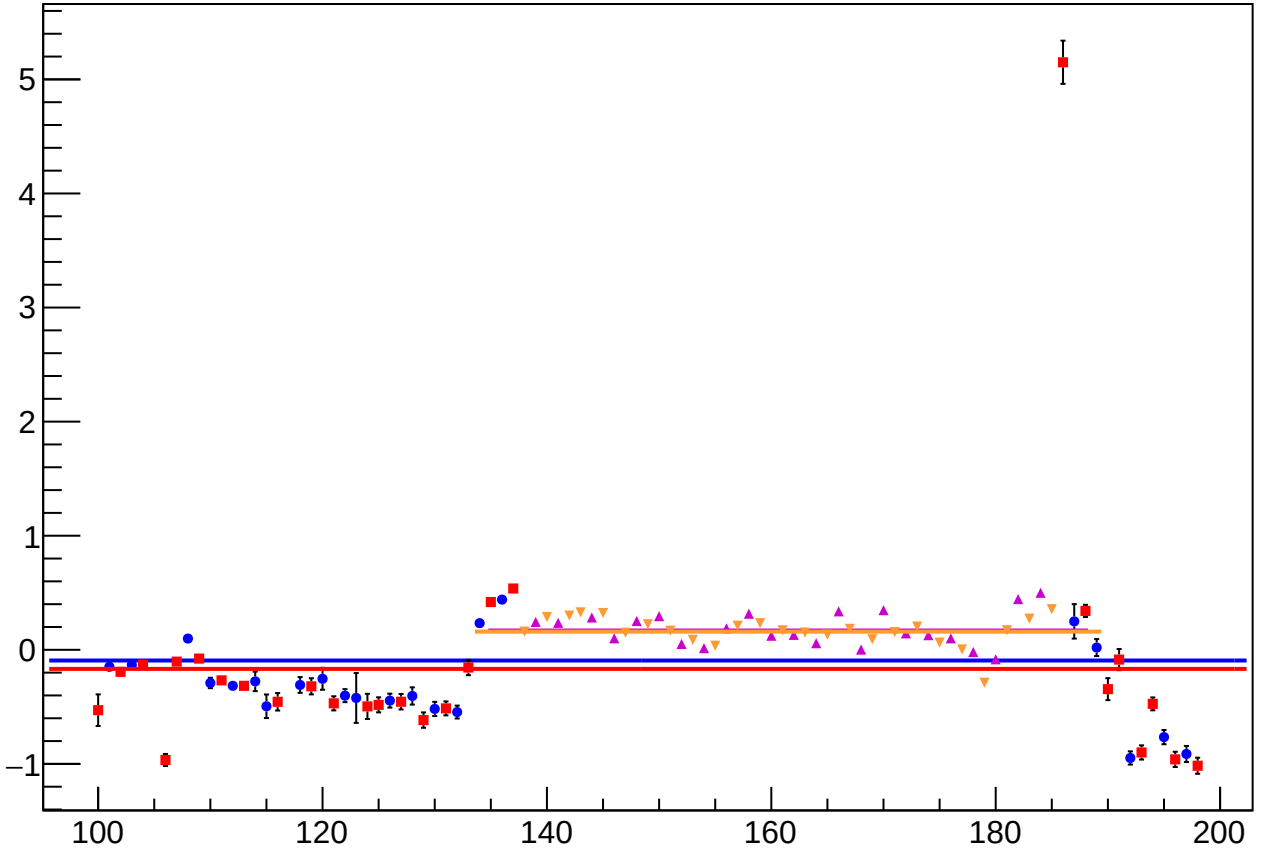
Right: 15.763+/-0.134 χ^2/NDF: 15243.1/48

In: 24.080+/-0.060 χ^2/NDF:12368.0/44

Out: 24.289+/-0.059 χ^2/NDF:13795.7/51

All: 24.186+/-0.042 χ^2/NDF: 26169.8/96

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.094+/-0.010 χ^2/NDF: 1520.3/21

Left Out: 0.159+/-0.003 χ^2/NDF:1864.2/24

Right Out: -0.167+/-0.010 χ^2/NDF: 2507.1/26

Left In: 0.169+/-0.003 χ^2/NDF:2418.8/22

Left: 0.164+/-0.002 χ^2/NDF: 4288.4/47

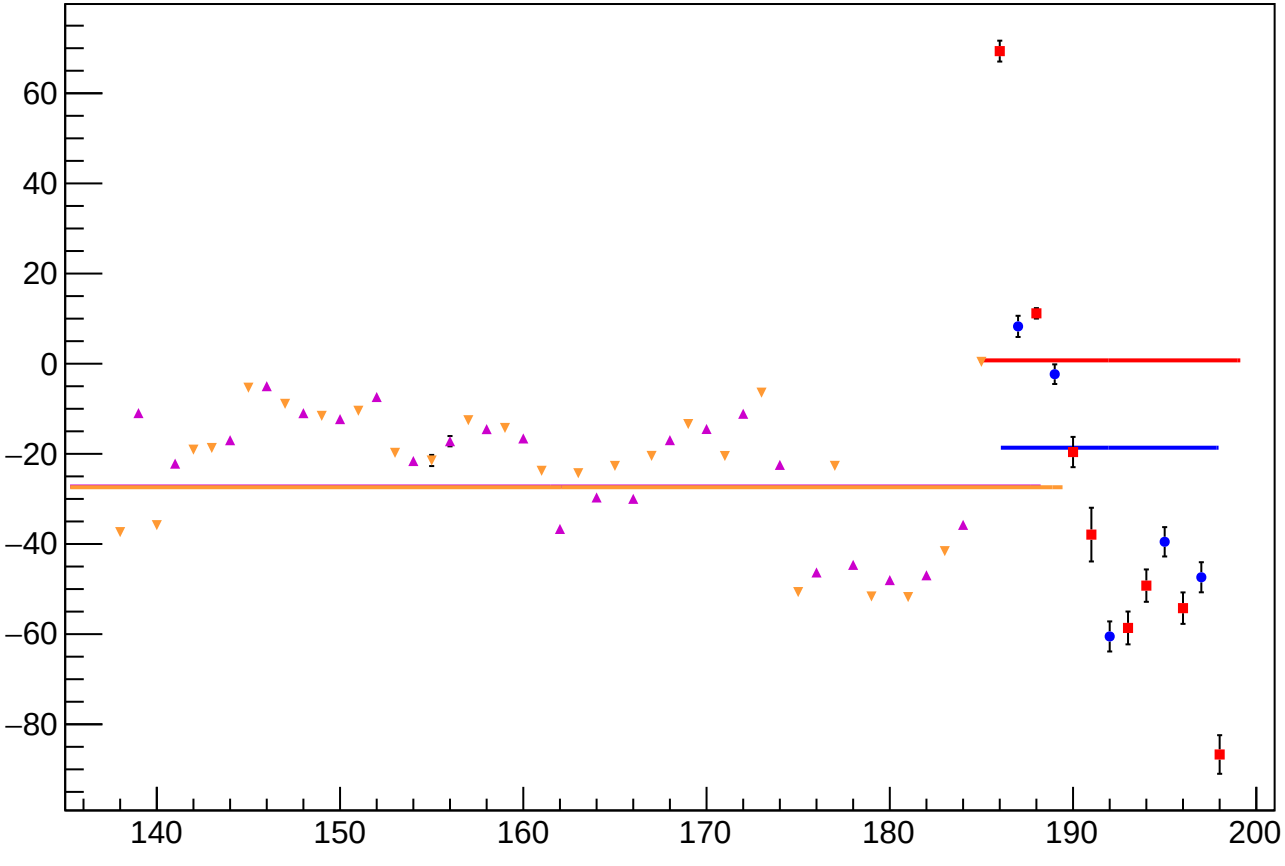
Right: -0.131+/-0.007 χ^2/NDF: 4056.1/48

In: 0.148+/-0.003 χ^2/NDF:4594.2/44

Out: 0.133+/-0.003 χ^2/NDF:5436.6/51

All: 0.140+/-0.002 χ^2/NDF: 10045.7/96

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -18.636+/-1.226 χ^2/NDF: 460.0/4

Left Out: -27.408+/-0.137 χ^2/NDF:14850.5/24

Right Out: 0.738+/-0.866 χ^2/NDF: 2160.2/7

Left In: -27.243+/-0.139 χ^2/NDF:11305.2/22

Left: -27.327+/-0.098 χ^2/NDF: 26156.4/47

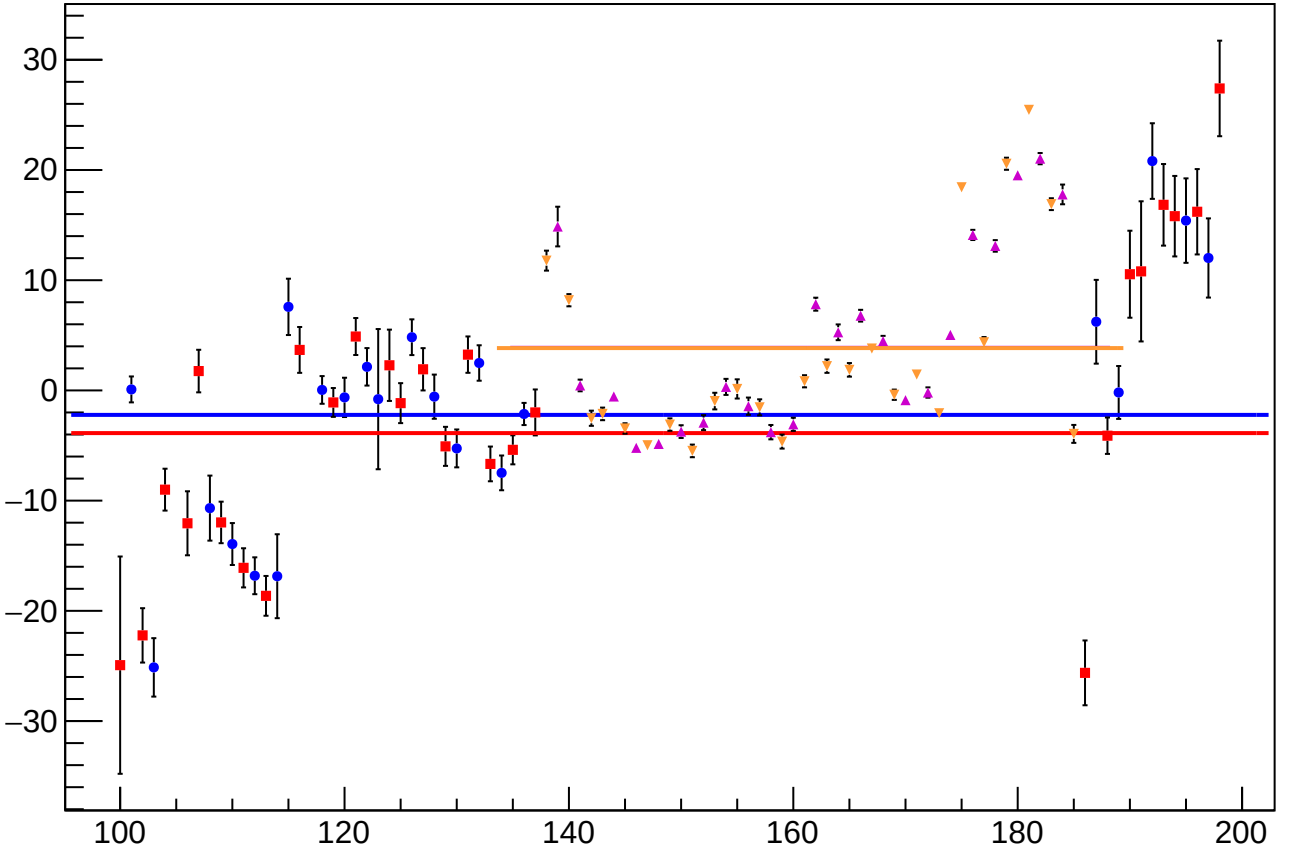
Right: -5.710+/-0.707 χ^2/NDF: 2786.9/12

In: -27.133+/-0.138 χ^2/NDF:11813.9/27

Out: -26.722+/-0.135 χ^2/NDF:18042.0/32

All: -26.922+/-0.097 χ^2/NDF: 29860.4/60

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.220+/-0.396 χ^2/NDF: 371.0/21

Left Out: 3.841+/-0.109 χ^2/NDF:6939.2/24

Right Out: -3.872+/-0.398 χ^2/NDF: 513.5/26

Left In: 3.866+/-0.111 χ^2/NDF:5424.0/22

Left: 3.853+/-0.078 χ^2/NDF: 12363.3/47

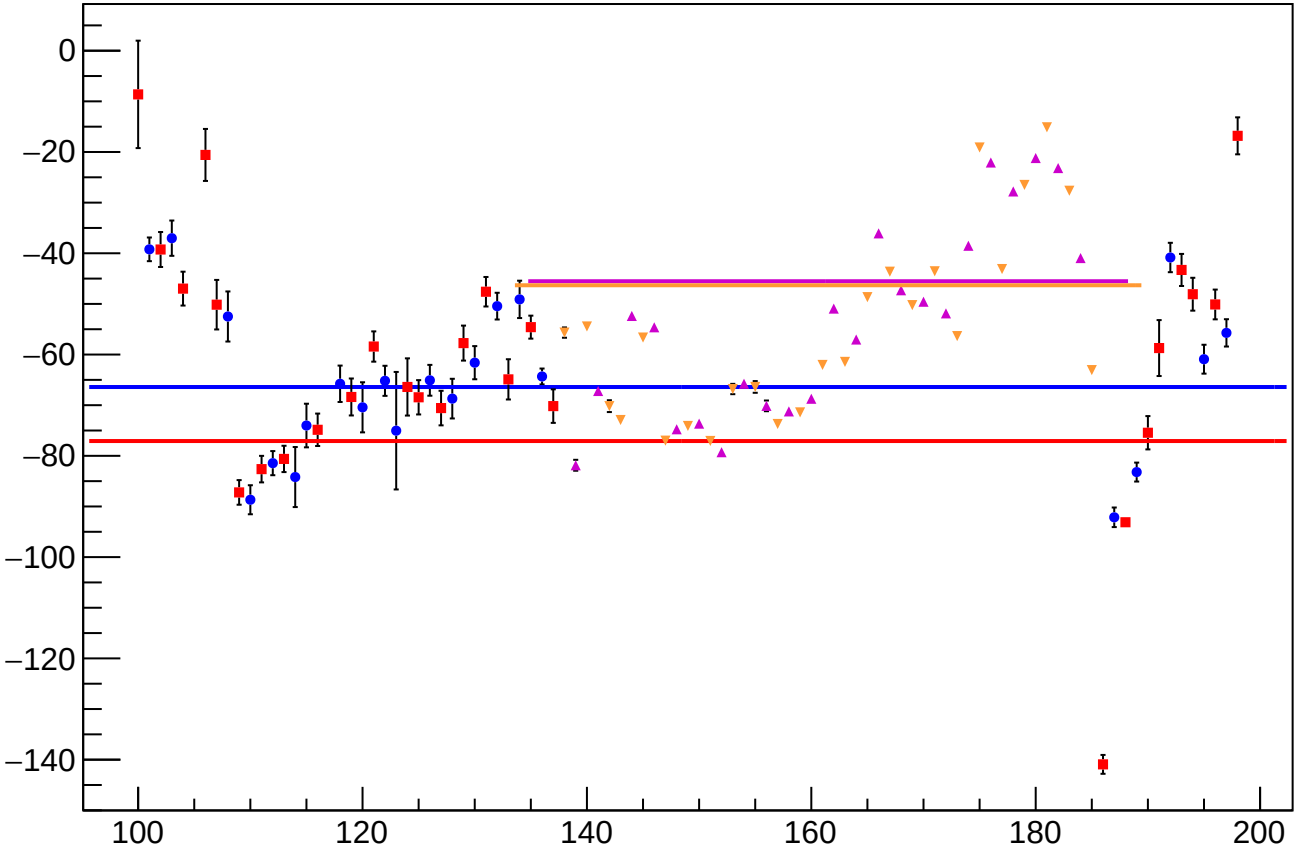
Right: -3.043+/-0.281 χ^2/NDF: 893.2/48

In: 3.421+/-0.107 χ^2/NDF:6013.9/44

Out: 3.300+/-0.105 χ^2/NDF:7802.4/51

All: 3.360+/-0.075 χ^2/NDF: 13817.0/96

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.411+/-0.603 χ^2/NDF: 746.1/21

Left Out: -46.318+/-0.138 χ^2/NDF:20134.6/24

Right Out: -77.079+/-0.520 χ^2/NDF: 2751.7/26

Left In: -45.522+/-0.140 χ^2/NDF:17525.4/22

Left: -45.925+/-0.098 χ^2/NDF: 37676.5/47

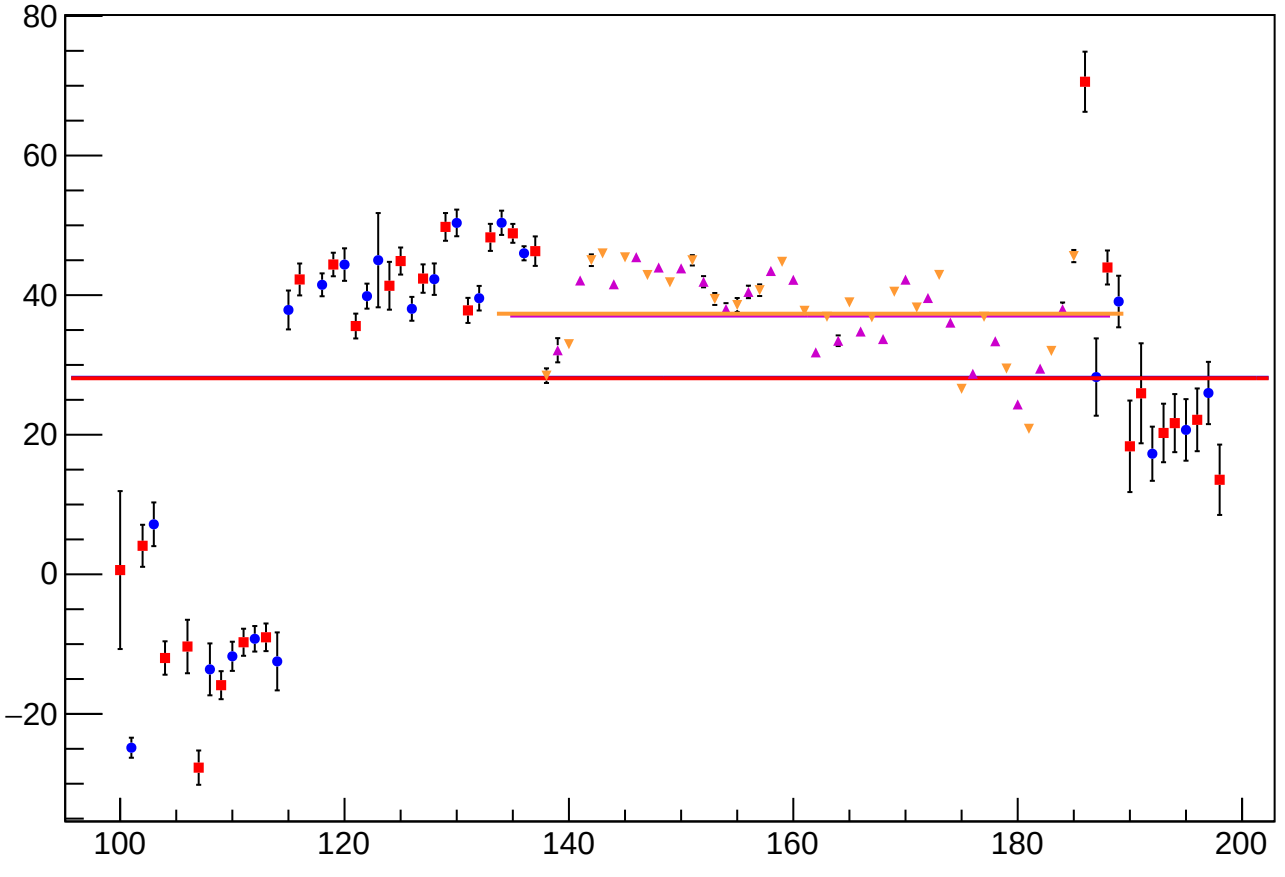
Right: -72.532+/-0.394 χ^2/NDF: 3677.4/48

In: -46.587+/-0.136 χ^2/NDF:19410.4/44

Out: -48.342+/-0.133 χ^2/NDF:26158.7/51

All: -47.483+/-0.095 χ^2/NDF: 45654.0/96

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.159+/-0.448 χ^2/NDF: 3330.6/21

Left Out: 37.340+/-0.123 χ^2/NDF:3149.1/24

Right Out: 28.091+/-0.456 χ^2/NDF: 3191.5/26

Left In: 37.074+/-0.125 χ^2/NDF:2397.3/22

Left: 37.209+/-0.088 χ^2/NDF: 5548.7/47

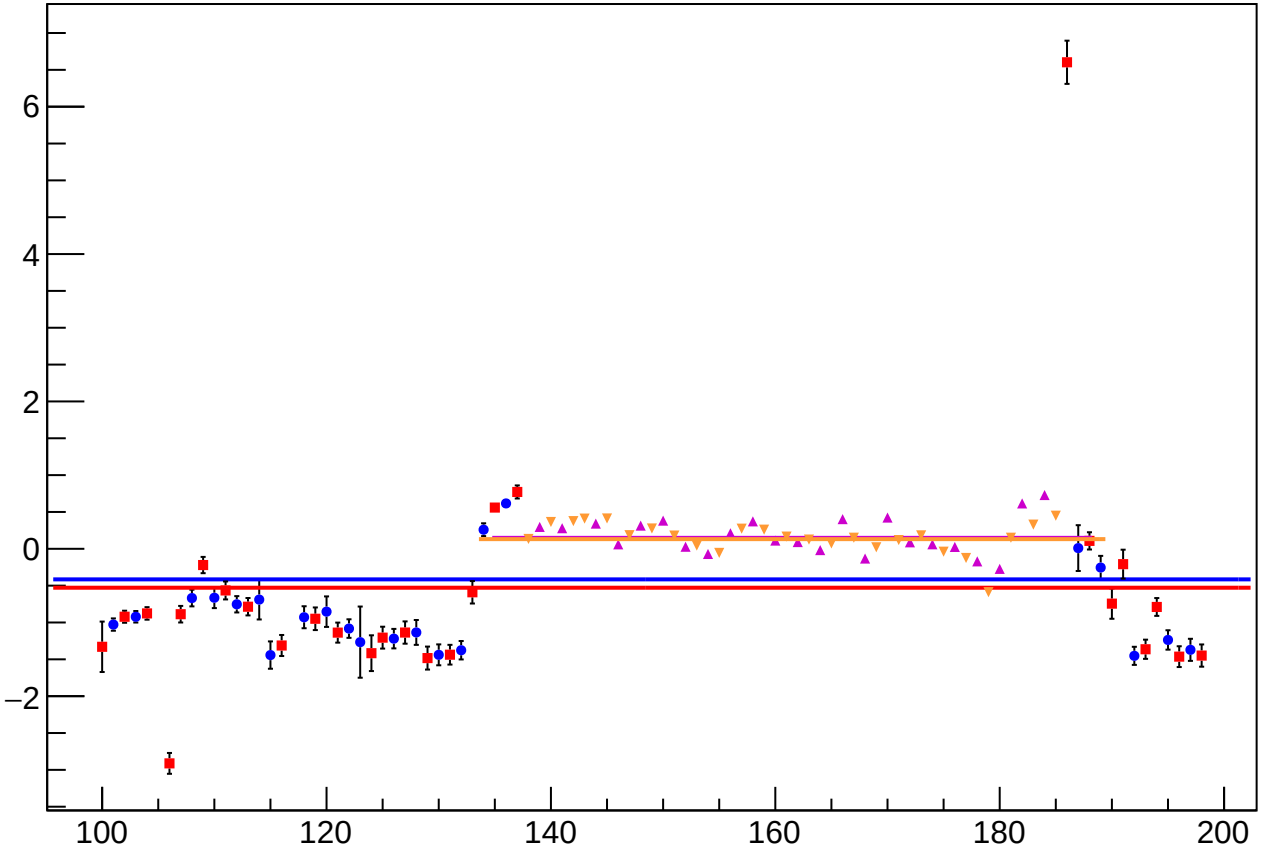
Right: 28.126+/-0.319 χ^2/NDF: 6522.1/48

In: 36.428+/-0.121 χ^2/NDF:6095.2/44

Out: 36.713+/-0.119 χ^2/NDF:6724.6/51

All: 36.573+/-0.085 χ^2/NDF: 12822.6/96

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.415+/-0.023 χ^2/NDF: 1177.9/21

Left Out: 0.131+/-0.006 χ^2/NDF:1426.3/24

Right Out: -0.528+/-0.023 χ^2/NDF: 1911.2/26

Left In: 0.149+/-0.006 χ^2/NDF:1803.6/22

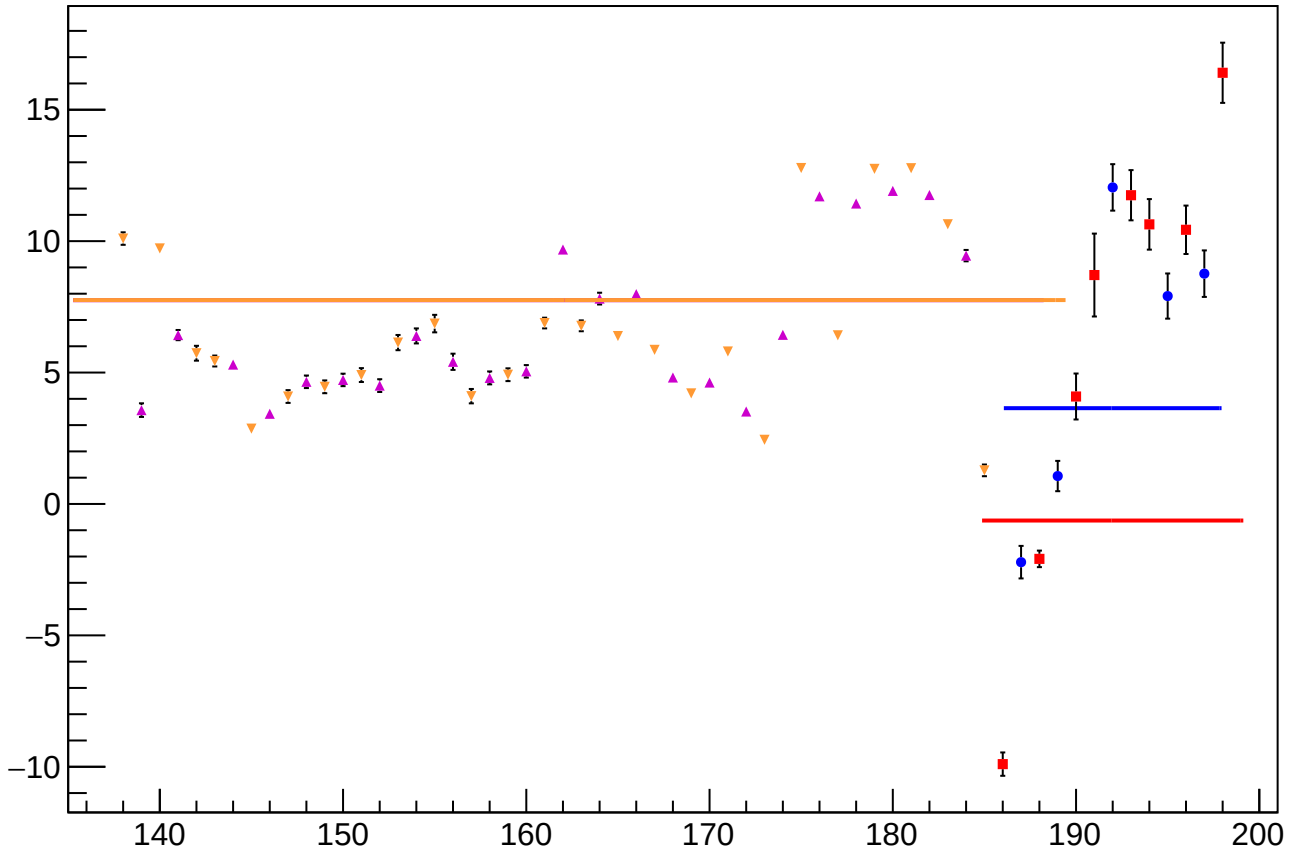
Left: 0.140+/-0.004 χ^2/NDF: 3234.6/47

Right: -0.472+/-0.016 χ^2/NDF: 3100.9/48

In: 0.117+/-0.006 χ^2/NDF:3527.4/44

Out: 0.095+/-0.005 χ^2/NDF:4101.3/51

All: 0.105+/-0.004 χ^2/NDF: 7636.9/96



Right In: 3.645+/-0.324 χ^2/NDF: 258.0/4

Left Out: 7.757+/-0.034 χ^2/NDF:11728.6/24

Right Out: -0.631+/-0.218 χ^2/NDF: 1191.6/7

Left In: 7.753+/-0.035 χ^2/NDF:8345.2/22

Left: 7.755+/-0.025 χ^2/NDF: 20073.8/47

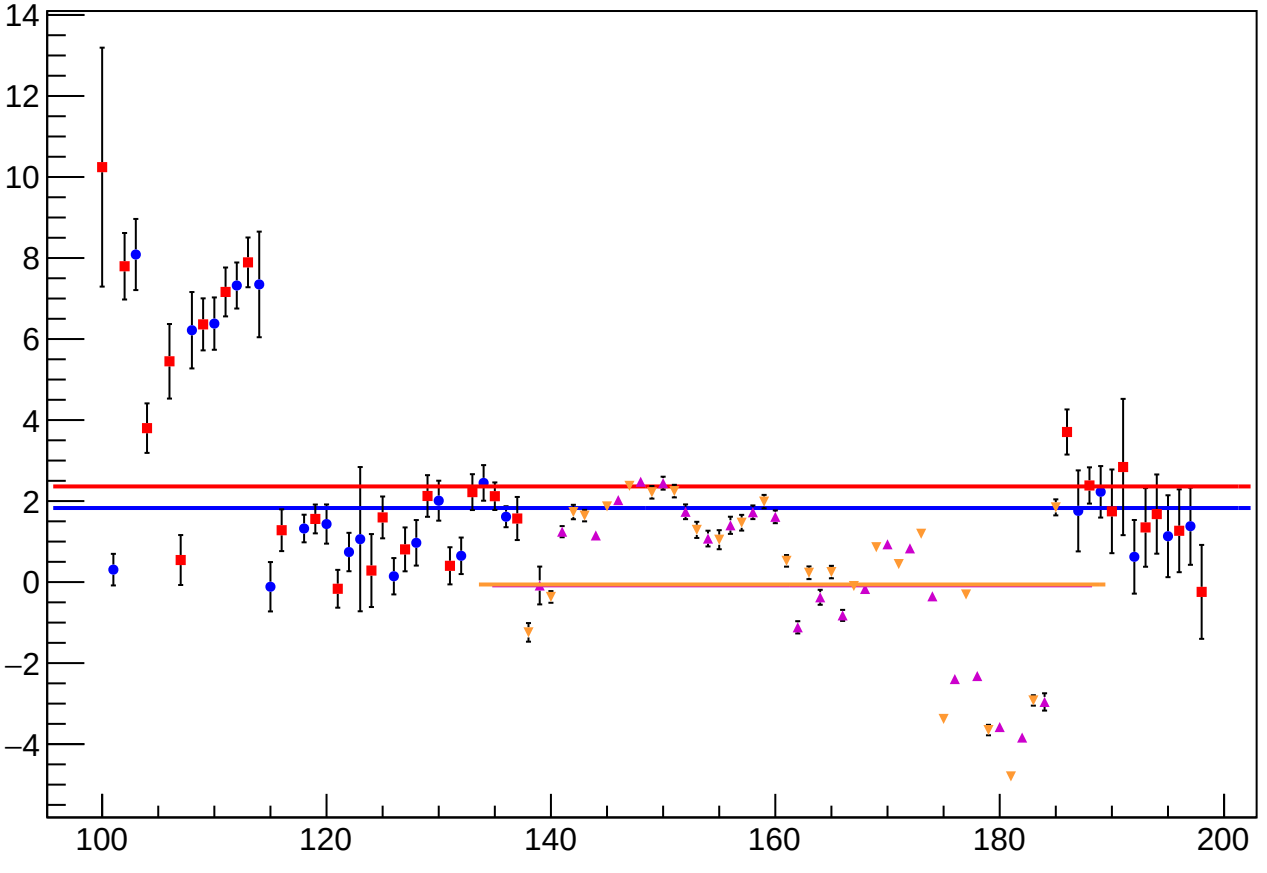
Right: 0.704+/-0.181 χ^2/NDF: 1569.4/12

In: 7.705+/-0.035 χ^2/NDF:8762.1/27

Out: 7.554+/-0.034 χ^2/NDF:14361.9/32

All: 7.628+/-0.024 χ^2/NDF: 23133.6/60

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.829+/-0.112 χ^2/NDF: 296.1/21

Left Out: -0.059+/-0.028 χ^2/NDF:6068.8/24

Right Out: 2.361+/-0.112 χ^2/NDF: 349.6/26

Left In: -0.080+/-0.028 χ^2/NDF:4979.5/22

Left: -0.070+/-0.020 χ^2/NDF: 11048.5/47

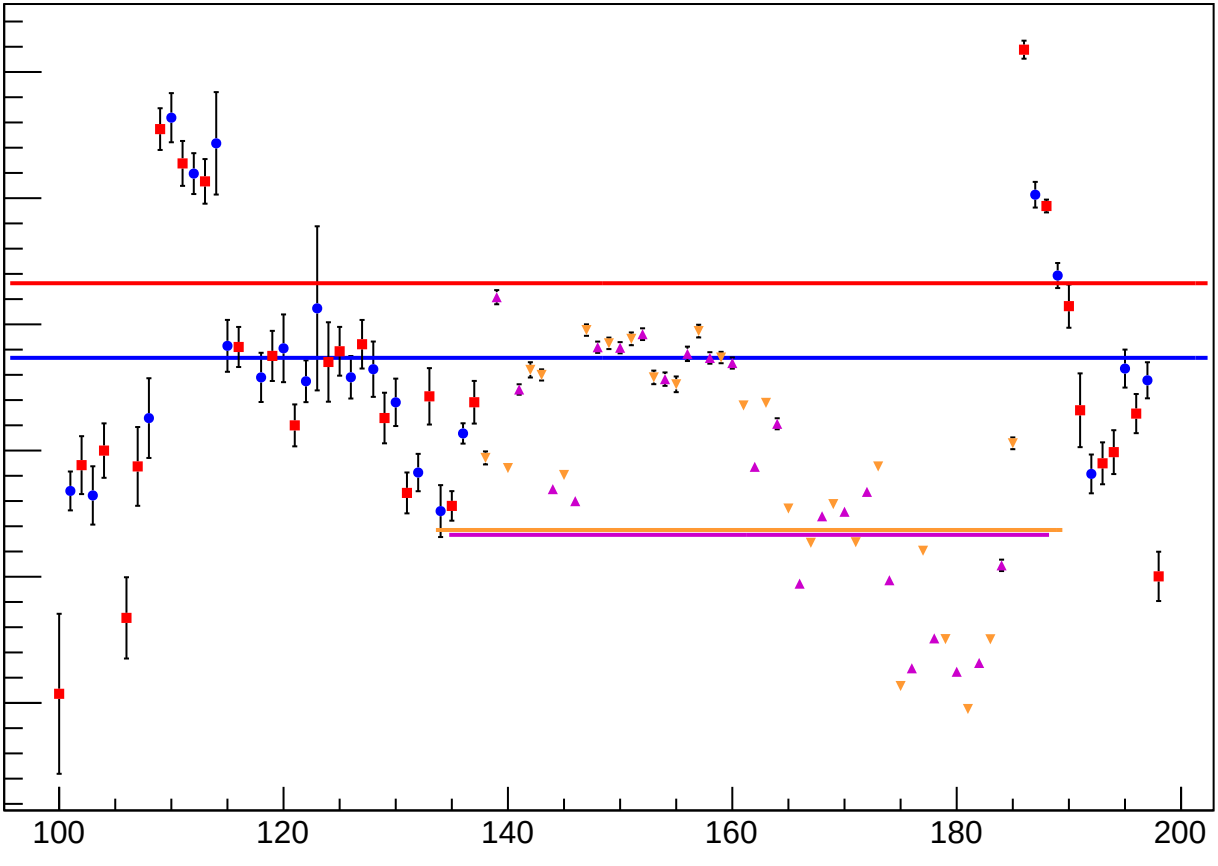
Right: 2.095+/-0.079 χ^2/NDF: 657.0/48

In: 0.033+/-0.027 χ^2/NDF:5547.8/44

Out: 0.081+/-0.027 χ^2/NDF:6858.3/51

All: 0.057+/-0.019 χ^2/NDF: 12407.6/96

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.673+/-0.168 χ^2/NDF: 643.0/21

Left Out: 11.853+/-0.035 χ^2/NDF:19149.4/24

Right Out: 21.630+/-0.139 χ^2/NDF: 1936.7/26

Left In: 11.660+/-0.035 χ^2/NDF:16710.2/22

Left: 11.758+/-0.025 χ^2/NDF: 35874.9/47

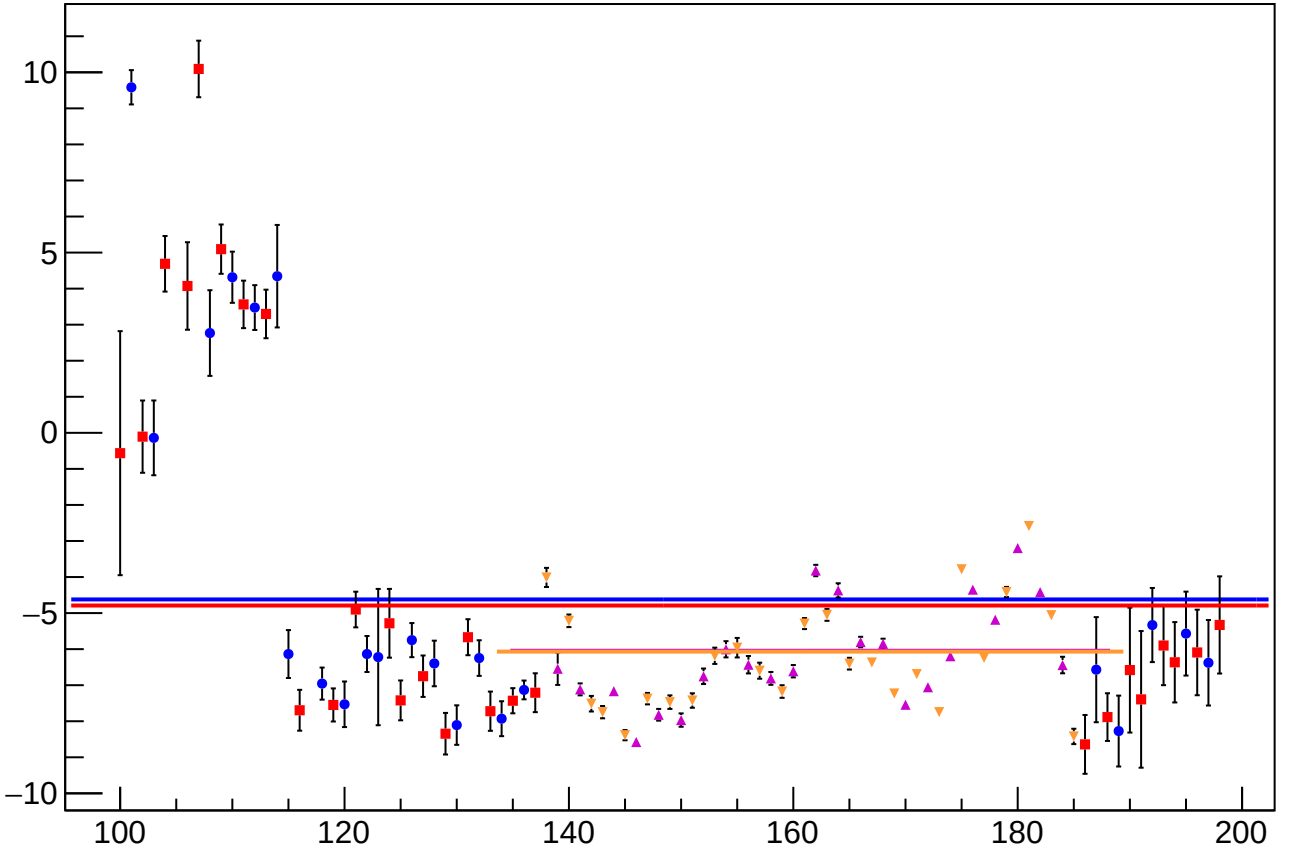
Right: 20.425+/-0.107 χ^2/NDF: 2763.0/48

In: 11.955+/-0.034 χ^2/NDF:19021.7/44

Out: 12.423+/-0.034 χ^2/NDF:25717.4/51

All: 12.194+/-0.024 χ^2/NDF: 44833.5/96

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.621+/-0.126 χ^2/NDF: 1602.7/21

Left Out: -6.068+/-0.031 χ^2/NDF:2671.7/24

Right Out: -4.790+/-0.129 χ^2/NDF: 1397.9/26

Left In: -6.045+/-0.032 χ^2/NDF:2293.7/22

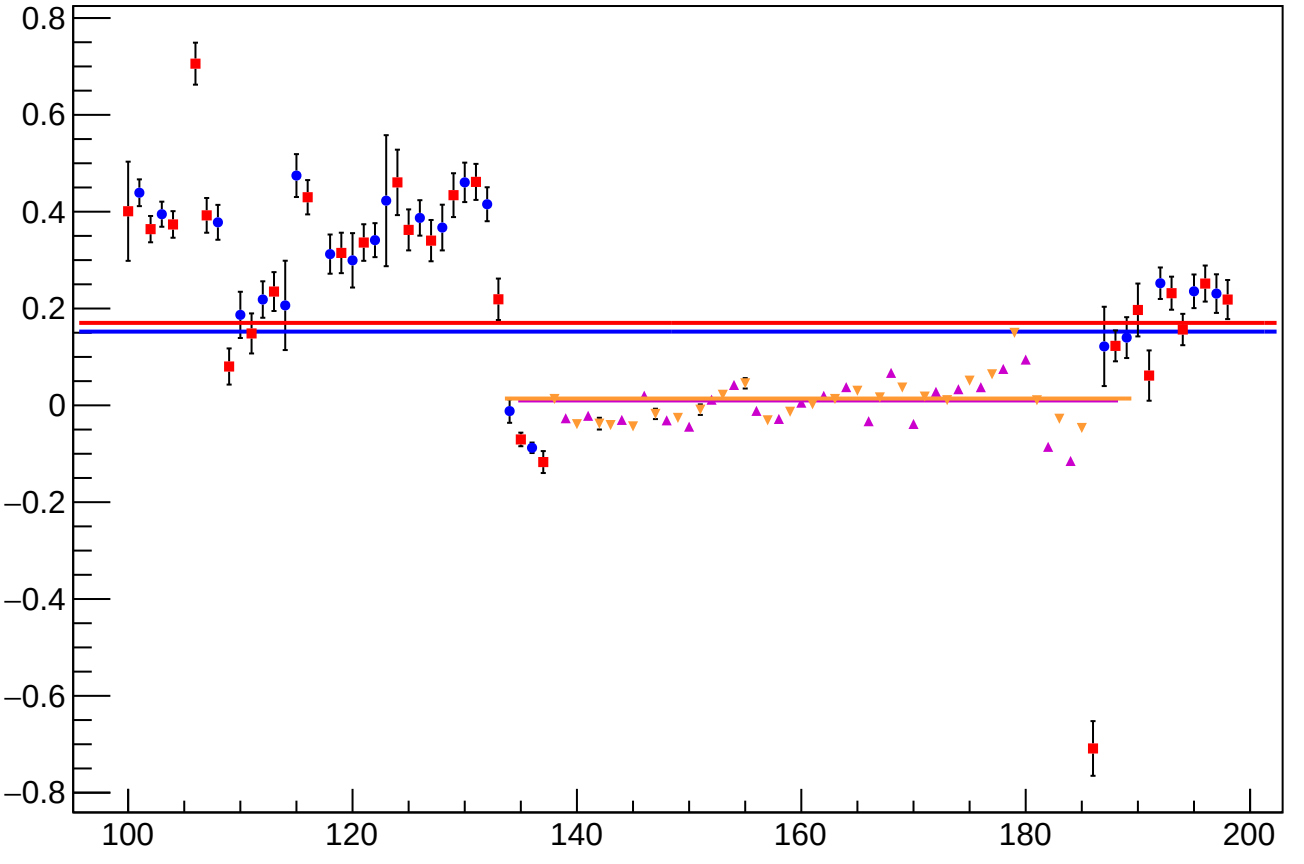
Left: -6.057+/-0.022 χ^2/NDF: 4965.7/47

Right: -4.704+/-0.090 χ^2/NDF: 3001.4/48

In: -5.961+/-0.031 χ^2/NDF:4015.6/44

Out: -5.998+/-0.030 χ^2/NDF:4162.9/51

All: -5.980+/-0.022 χ^2/NDF: 8179.3/96



Right In: 0.152+/-0.007 χ^2/NDF: 1079.0/21

Left Out: 0.014+/-0.001 χ^2/NDF:956.2/24

Right Out: 0.170+/-0.007 χ^2/NDF: 1260.6/26

Left In: 0.010+/-0.001 χ^2/NDF:1216.1/22

Left: 0.012+/-0.001 χ^2/NDF: 2176.2/47

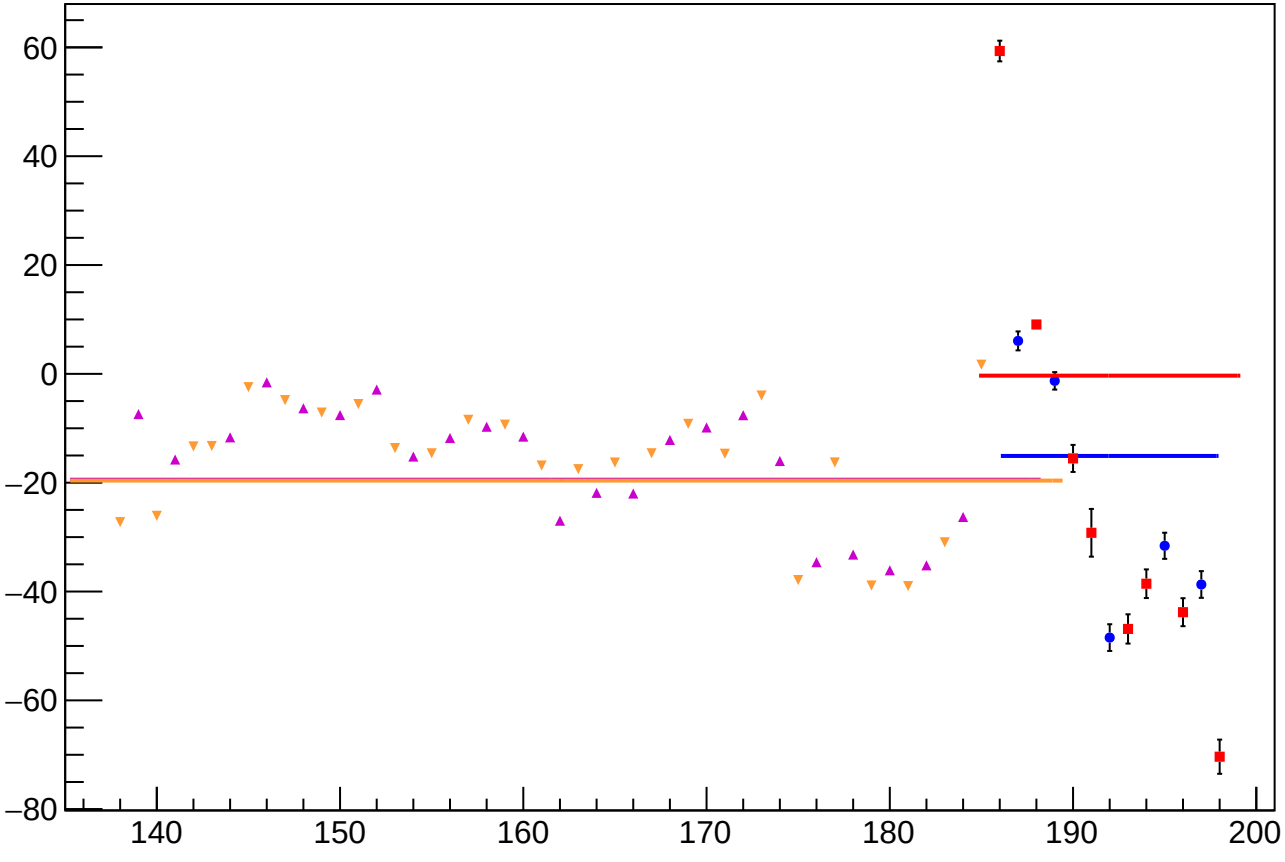
Right: 0.161+/-0.005 χ^2/NDF: 2343.4/48

In: 0.017+/-0.001 χ^2/NDF:2740.5/44

Out: 0.021+/-0.001 χ^2/NDF:2760.8/51

All: 0.019+/-0.001 χ^2/NDF: 5506.2/96

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.082+/-0.904 χ^2/NDF: 546.1/4

Left Out: -19.612+/-0.103 χ^2/NDF:15761.3/24

Right Out: -0.327+/-0.643 χ^2/NDF: 2482.2/7

Left In: -19.450+/-0.105 χ^2/NDF:12283.1/22

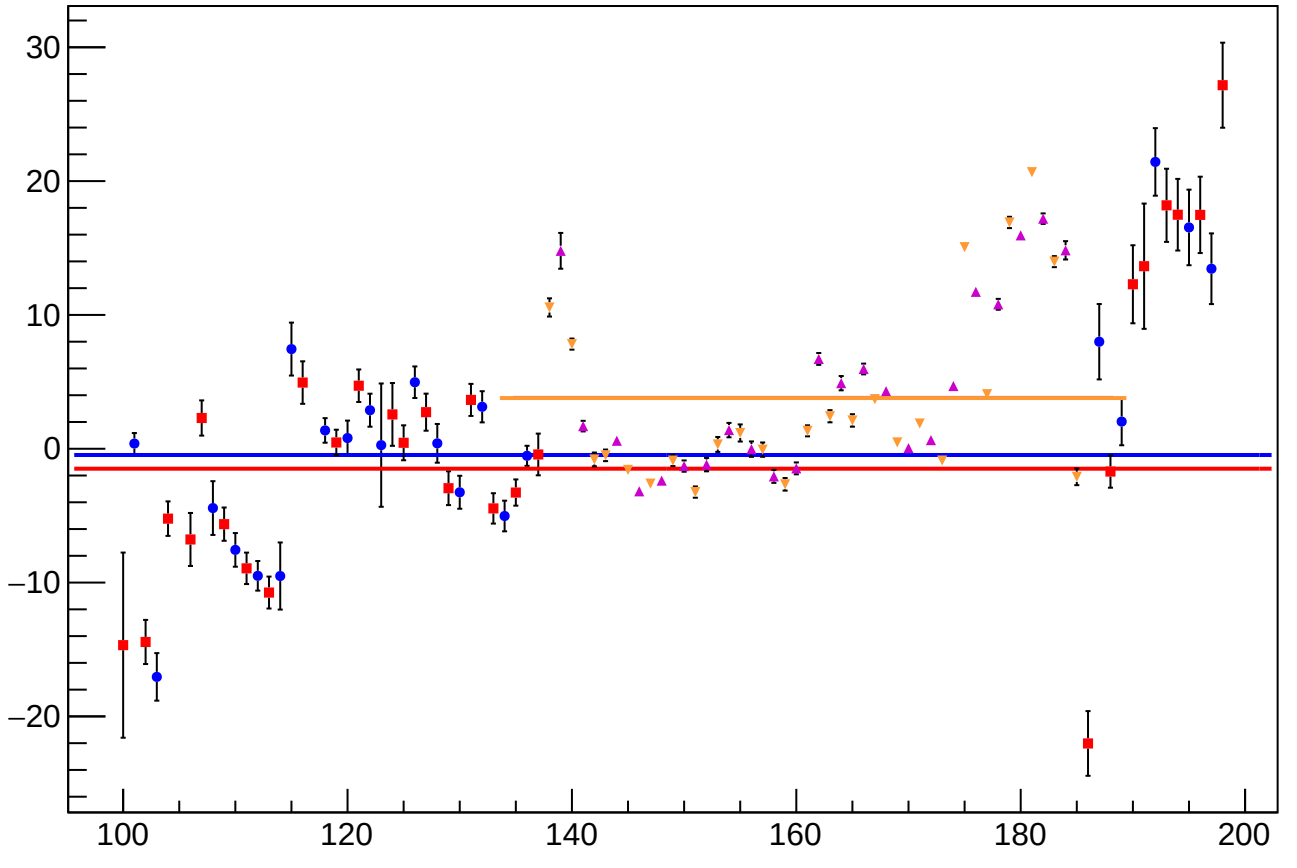
Left: -19.533+/-0.074 χ^2/NDF: 28045.6/47

Right: -5.286+/-0.524 χ^2/NDF: 3205.0/12

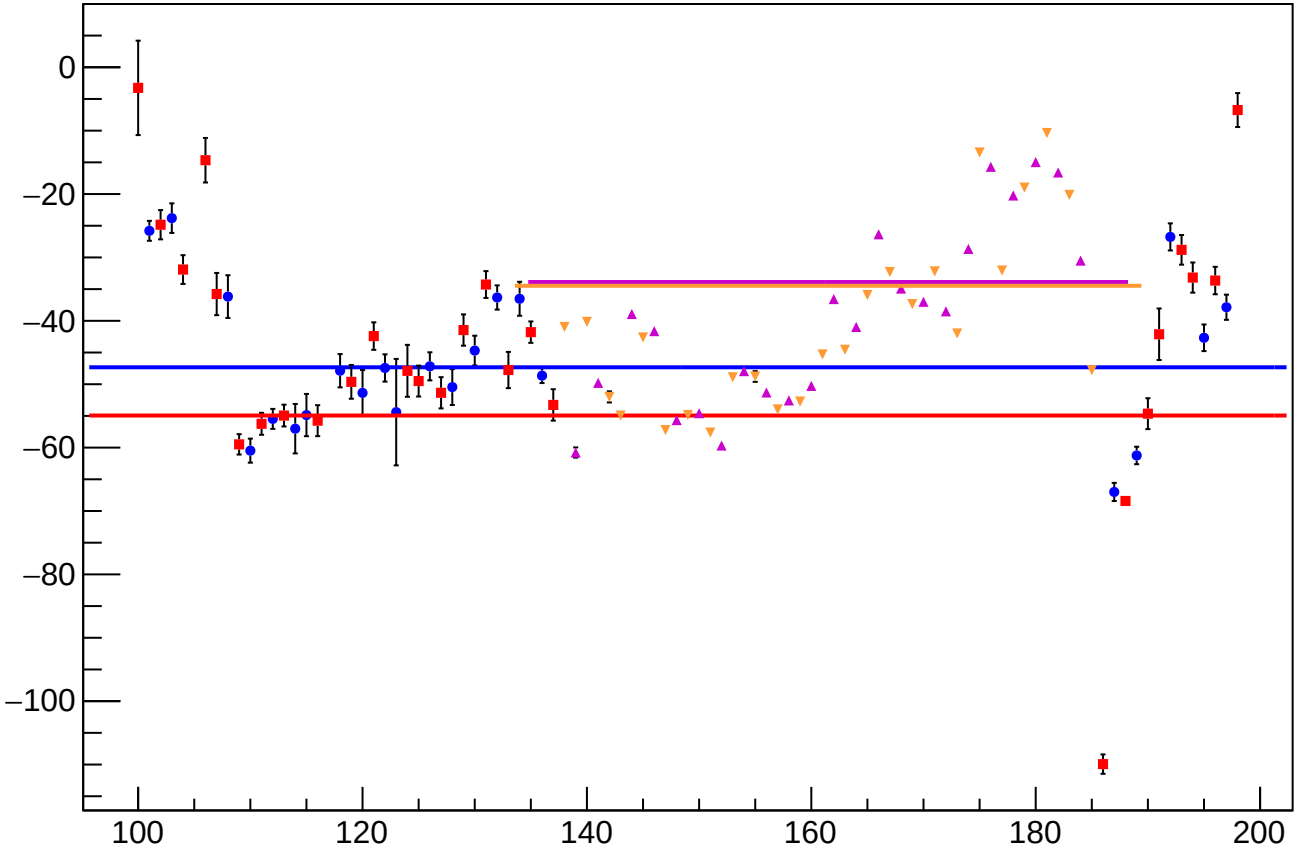
In: -19.392+/-0.104 χ^2/NDF:12852.2/27

Out: -19.128+/-0.102 χ^2/NDF:19119.5/32

All: -19.257+/-0.073 χ^2/NDF: 31975.0/60


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -0.466+/-0.282 χ²/NDF: 434.5/21
Left Out: 3.788+/-0.082 χ²/NDF:7150.5/24
Right Out: -1.490+/-0.284 χ²/NDF: 624.6/26
Left In: 3.799+/-0.084 χ²/NDF:5517.0/22
Left: 3.793+/-0.059 χ²/NDF: 12667.5/47
Right: -0.976+/-0.200 χ²/NDF: 1065.6/48
In: 3.455+/-0.080 χ²/NDF:6161.0/44
Out: 3.380+/-0.079 χ²/NDF:8094.6/51
All: 3.417+/-0.056 χ²/NDF: 14256.1/96

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -47.329+/-0.433 χ^2/NDF: 853.5/21

Left Out: -34.471+/-0.104 χ^2/NDF:20196.3/24

Right Out: -54.939+/-0.376 χ^2/NDF: 3057.5/26

Left In: -33.875+/-0.105 χ^2/NDF:17638.7/22

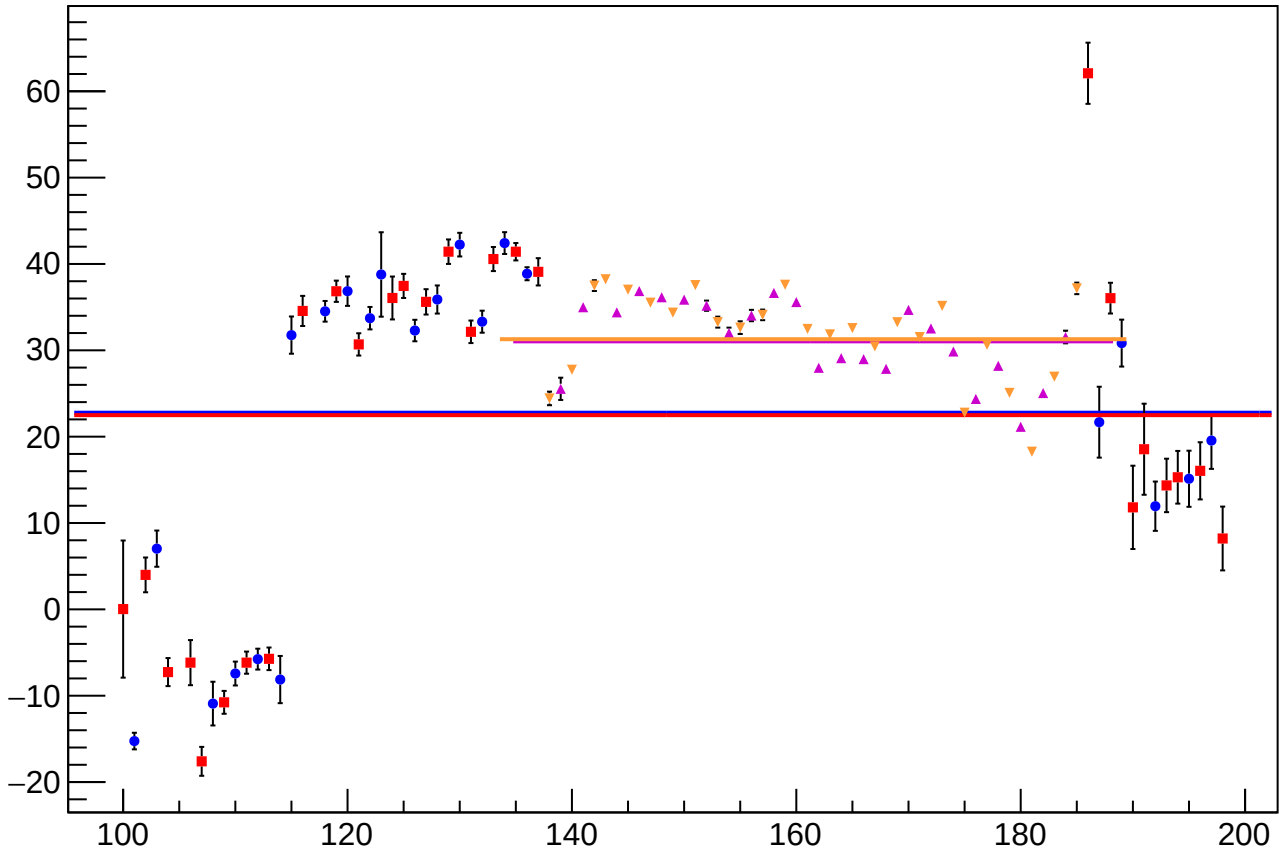
Left: -34.177+/-0.074 χ^2/NDF: 37851.2/47

Right: -51.665+/-0.284 χ^2/NDF: 4087.2/48

In: -34.627+/-0.102 χ^2/NDF:19404.8/44

Out: -35.924+/-0.100 χ^2/NDF:26006.3/51

All: -35.289+/-0.072 χ^2/NDF: 45493.2/96



Right In: 22.774+/-0.320 χ^2/NDF: 4347.1/21

Left Out: 31.286+/-0.092 χ^2/NDF:3345.7/24

Right Out: 22.493+/-0.325 χ^2/NDF: 4250.9/26

Left In: 31.039+/-0.094 χ^2/NDF:2480.0/22

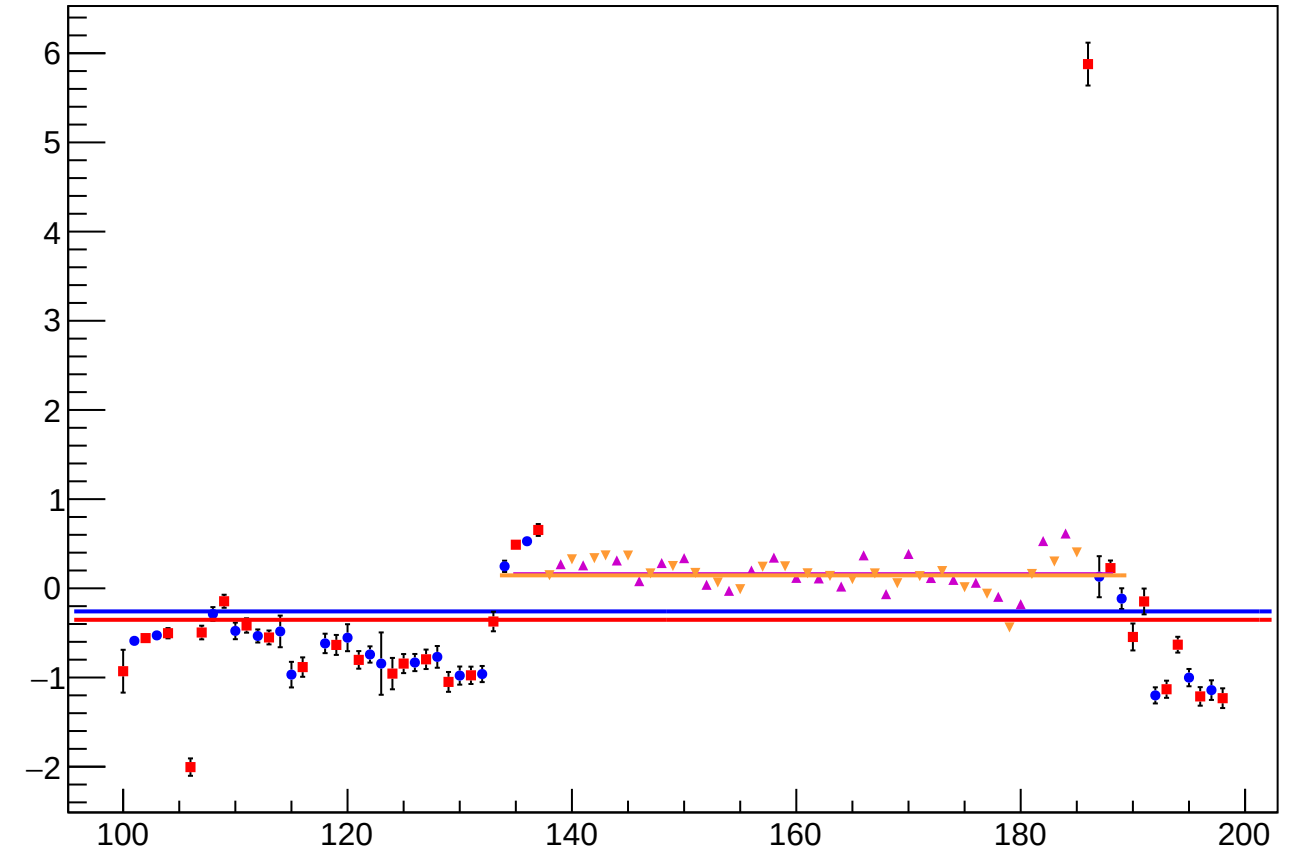
Left: 31.165+/-0.066 χ^2/NDF: 5829.2/47

Right: 22.636+/-0.228 χ^2/NDF: 8598.5/48

In: 30.380+/-0.090 χ^2/NDF:7441.0/44

Out: 30.629+/-0.089 χ^2/NDF:8274.4/51

All: 30.506+/-0.063 χ^2/NDF: 15719.2/96



Right In: -0.259+/-0.017 χ^2/NDF: 1250.9/21

Left Out: 0.145+/-0.004 χ^2/NDF:1579.6/24

Right Out: -0.353+/-0.017 χ^2/NDF: 2105.5/26

Left In: 0.159+/-0.004 χ^2/NDF:2009.8/22

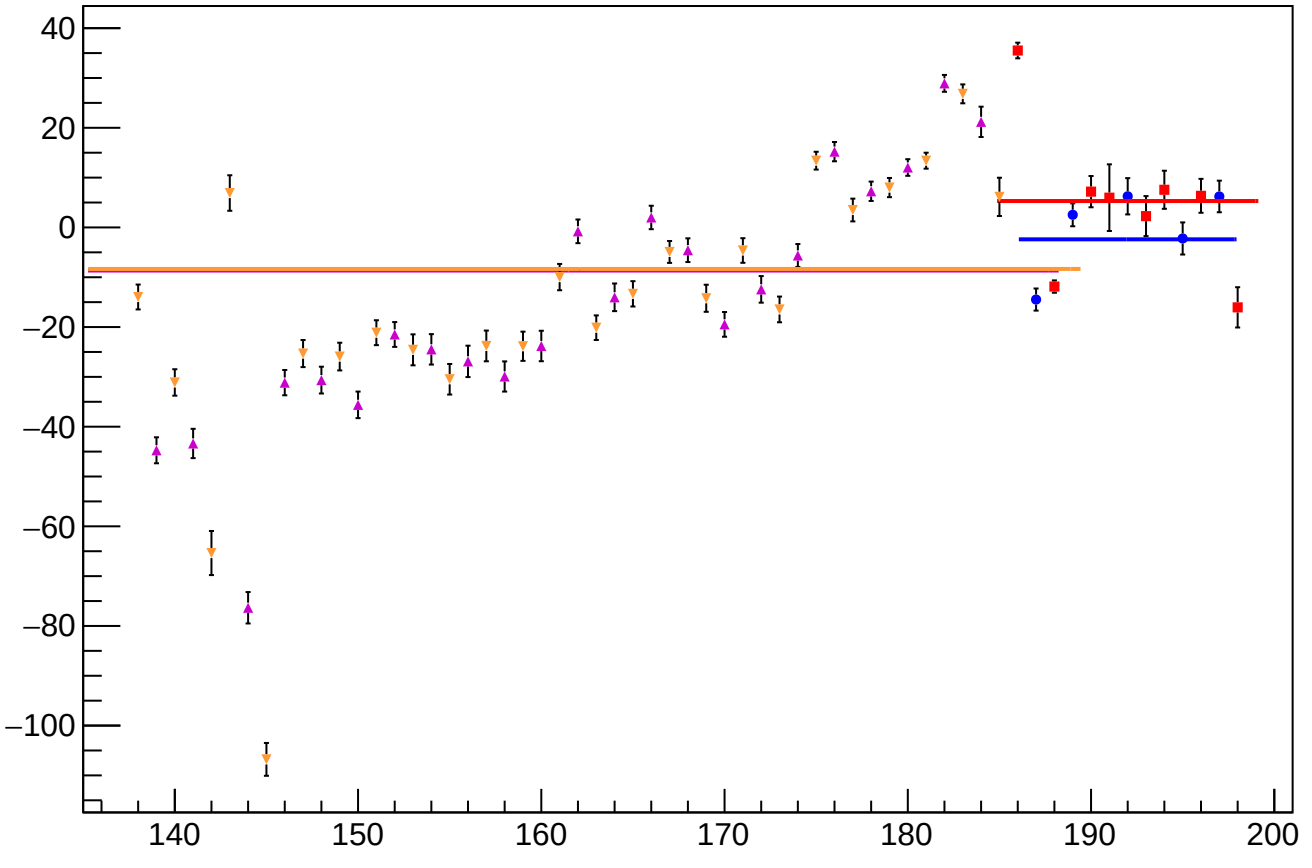
Left: 0.152+/-0.003 χ^2/NDF: 3594.3/47

Right: -0.306+/-0.012 χ^2/NDF: 3372.4/48

In: 0.133+/-0.004 χ^2/NDF:3843.8/44

Out: 0.115+/-0.004 χ^2/NDF:4540.2/51

All: 0.124+/-0.003 χ^2/NDF: 8393.7/96



Right In: -2.388+/-1.228 χ^2/NDF: 47.2/4

Left Out: -8.332+/-0.500 χ^2/NDF:2226.2/24

Right Out: 5.303+/-0.828 χ^2/NDF: 591.2/7

Left In: -8.652+/-0.507 χ^2/NDF:2223.8/22

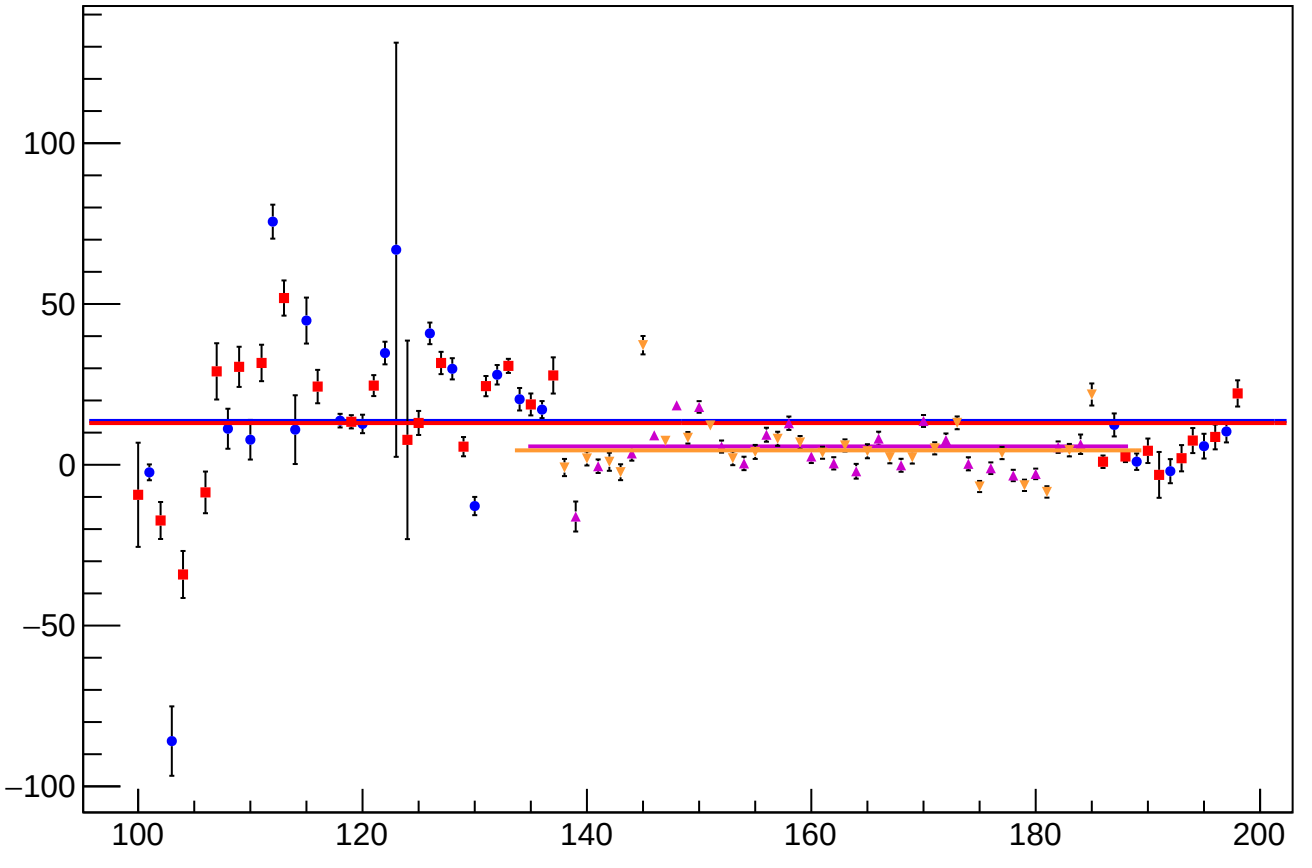
Left: -8.490+/-0.356 χ^2/NDF: 4450.2/47

Right: 2.900+/-0.687 χ^2/NDF: 665.4/12

In: -7.739+/-0.469 χ^2/NDF:2293.3/27

Out: -4.693+/-0.428 χ^2/NDF:3016.2/32

All: -6.077+/-0.316 χ^2/NDF: 5332.5/60



Right In: 13.635+/-0.744 χ^2/NDF: 573.6/21

Left Out: 4.484+/-0.392 χ^2/NDF:371.9/24

Right Out: 12.971+/-0.677 χ^2/NDF: 396.6/26

Left In: 5.705+/-0.404 χ^2/NDF:324.1/22

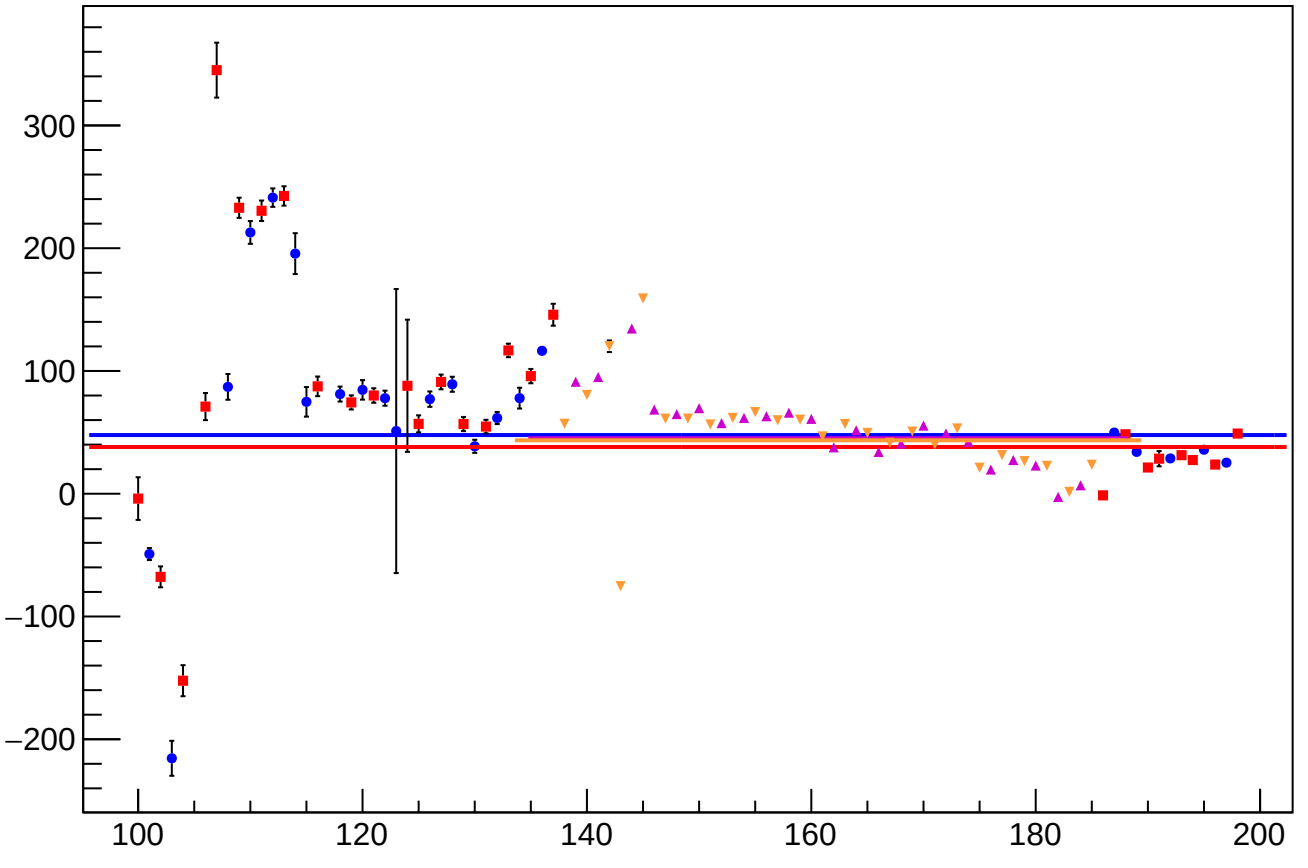
Left: 5.076+/-0.281 χ^2/NDF: 700.6/47

Right: 13.272+/-0.501 χ^2/NDF: 970.6/48

In: 7.513+/-0.355 χ^2/NDF:985.4/44

Out: 6.616+/-0.339 χ^2/NDF:886.1/51

All: 7.044+/-0.245 χ^2/NDF: 1874.8/96



Right In: 47.793+/-0.872 χ^2/NDF: 2446.4/21

Left Out: 43.524+/-0.498 χ^2/NDF:3830.7/24

Right Out: 38.057+/-0.634 χ^2/NDF: 4205.7/26

Left In: 45.211+/-0.504 χ^2/NDF:3048.5/22

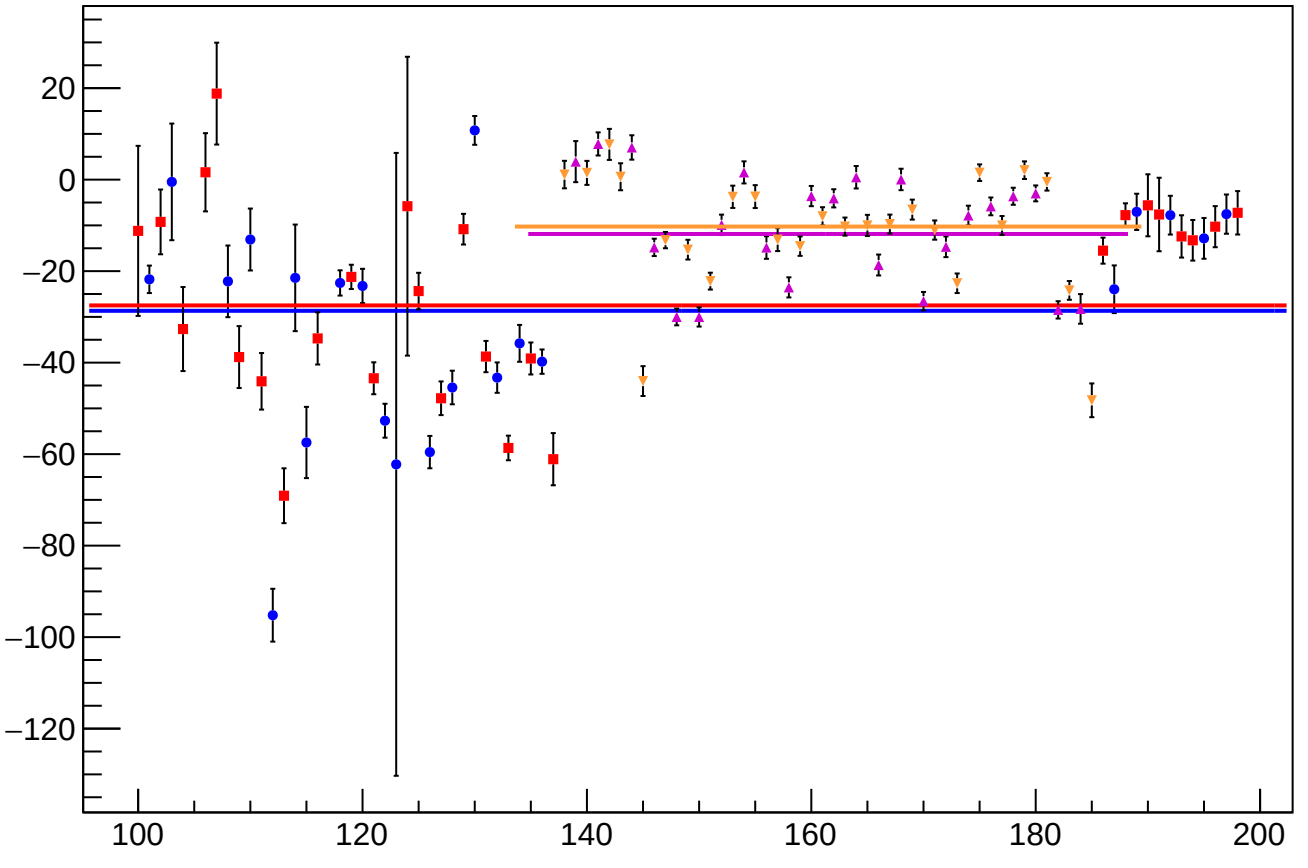
Left: 44.358+/-0.354 χ^2/NDF: 6884.8/47

Right: 41.428+/-0.513 χ^2/NDF: 6733.6/48

In: 45.859+/-0.437 χ^2/NDF:5501.5/44

Out: 41.438+/-0.392 χ^2/NDF:8082.3/51

All: 43.411+/-0.292 χ^2/NDF: 13640.6/96



Right In: -28.669+/-0.879 χ^2/NDF: 598.4/21

Left Out: -10.257+/-0.444 χ^2/NDF:552.4/24

Right Out: -27.494+/-0.830 χ^2/NDF: 515.9/26

Left In: -11.877+/-0.456 χ^2/NDF:666.2/22

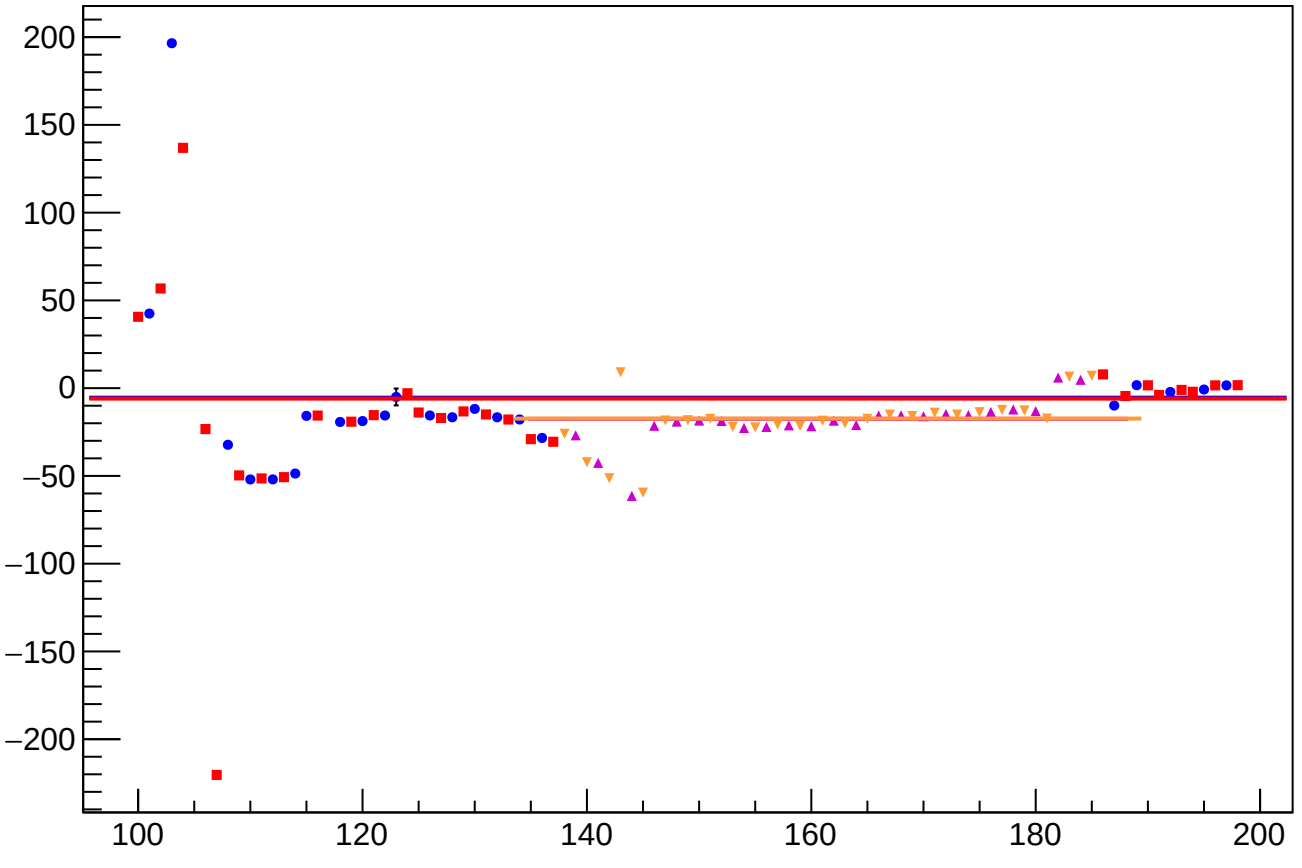
Left: -11.046+/-0.318 χ^2/NDF: 1225.1/47

Right: -28.048+/-0.603 χ^2/NDF: 1115.2/48

In: -15.439+/-0.405 χ^2/NDF:1552.2/44

Out: -14.096+/-0.392 χ^2/NDF:1403.6/51

All: -14.745+/-0.281 χ^2/NDF: 2961.5/96



Right In: -5.407+/-0.045 χ^2/NDF: 584311.5/21

Left Out: -17.333+/-0.020 χ^2/NDF:325197.2/24

Right Out: -5.950+/-0.041 χ^2/NDF: 585416.5/26

Left In: -17.491+/-0.021 χ^2/NDF:259215.8/22

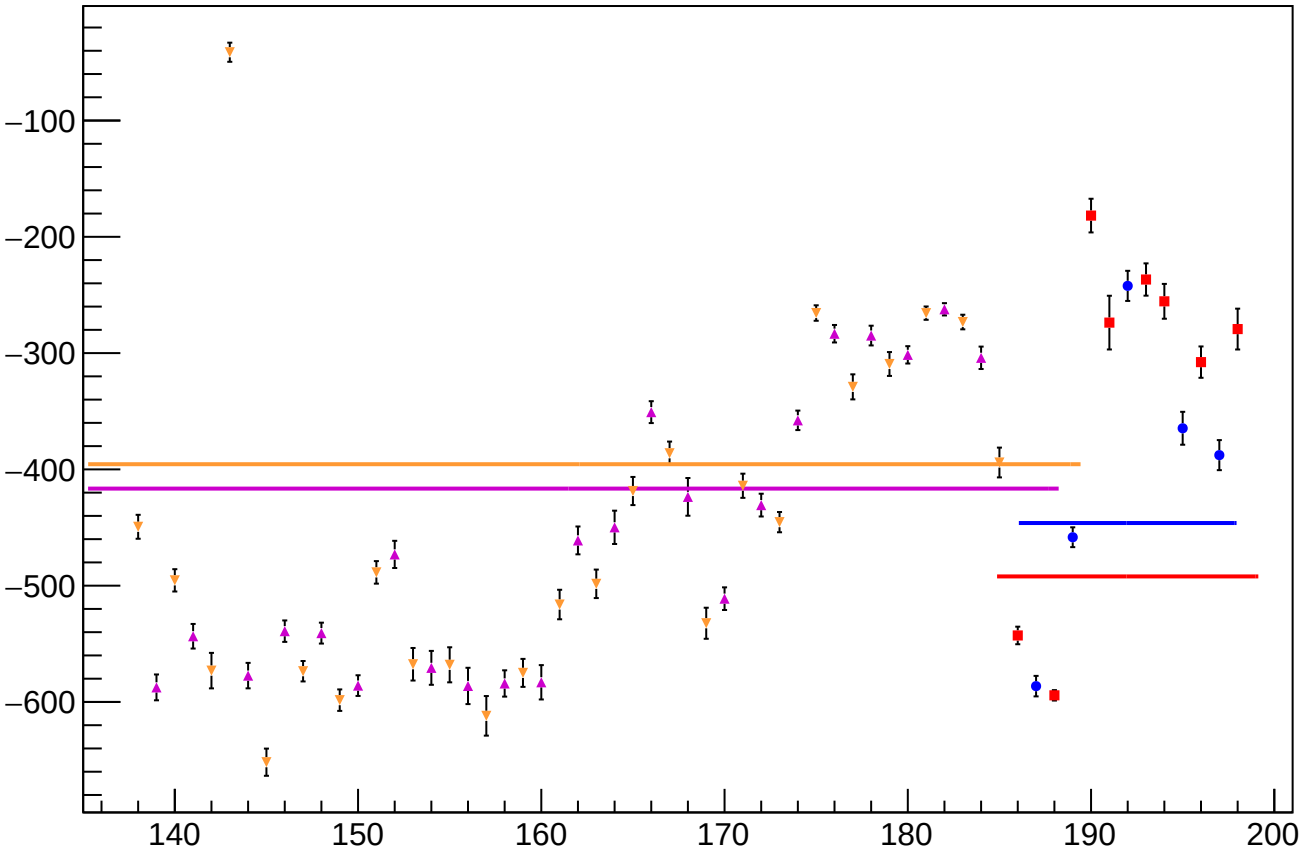
Left: -17.411+/-0.015 χ^2/NDF: 584442.6/47

Right: -5.706+/-0.030 χ^2/NDF: 1169806.6/48

In: -15.417+/-0.019 χ^2/NDF:902156.7/44

Out: -15.077+/-0.018 χ^2/NDF:972315.9/51

All: -15.242+/-0.013 χ^2/NDF: 1874640.7/96



Right In: -446.127+/-4.791 χ^2/NDF: 556.7/4

Left Out: -395.547+/-1.953 χ^2/NDF:5946.5/24

Right Out: -492.054+/-3.292 χ^2/NDF: 2035.3/7

Left In: -416.521+/-2.005 χ^2/NDF:3917.0/22

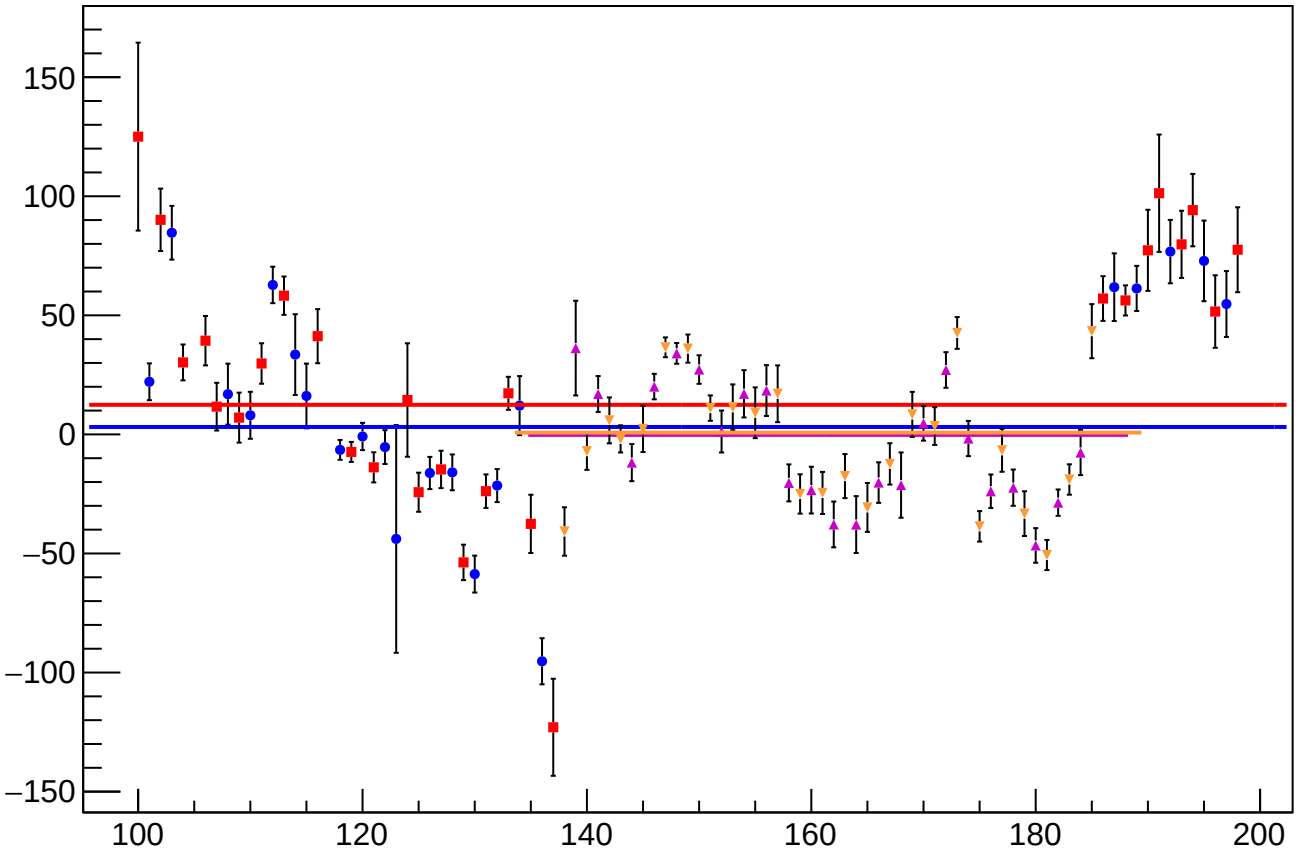
Left: -405.762+/-1.399 χ^2/NDF: 9919.7/47

Right: -477.324+/-2.713 χ^2/NDF: 2654.4/12

In: -420.933+/-1.849 χ^2/NDF:4506.2/27

Out: -420.681+/-1.680 χ^2/NDF:8617.4/32

All: -420.795+/-1.243 χ^2/NDF: 13123.7/60



Right In: 3.114+/-1.826 χ^2/NDF: 443.7/21

Left Out: 0.767+/-1.503 χ^2/NDF:350.1/24

Right Out: 12.420+/-1.740 χ^2/NDF: 507.1/26

Left In: -0.202+/-1.575 χ^2/NDF:260.8/22

Left: 0.305+/-1.087 χ^2/NDF: 611.1/47

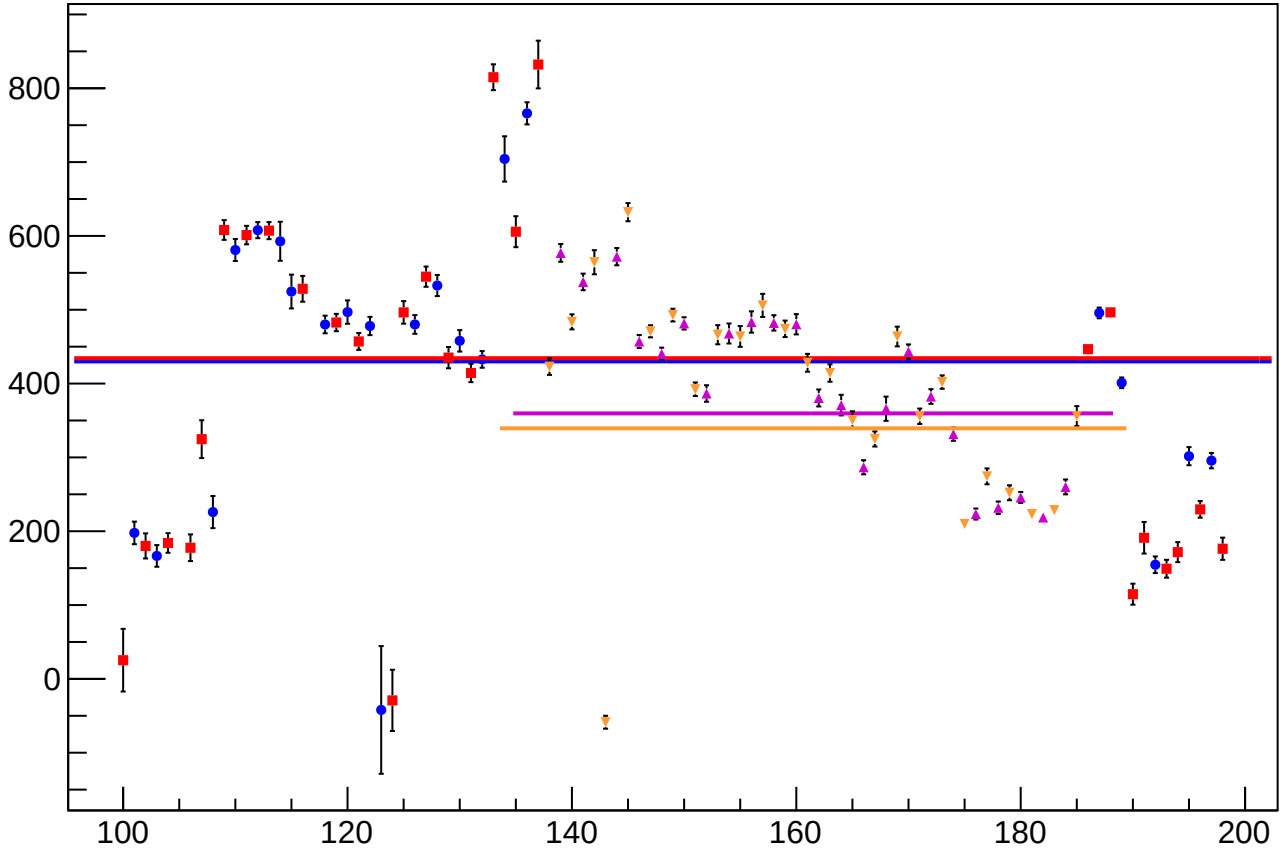
Right: 7.992+/-1.260 χ^2/NDF: 964.4/48

In: 1.213+/-1.193 χ^2/NDF:706.4/44

Out: 5.746+/-1.137 χ^2/NDF:882.9/51

All: 3.587+/-0.823 χ^2/NDF: 1596.8/96

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 430.049+/-2.709 χ^2/NDF: 2771.2/21

Left Out: 339.355+/-1.963 χ^2/NDF:5502.5/24

Right Out: 434.379+/-2.153 χ^2/NDF: 4901.7/26

Left In: 359.609+/-2.003 χ^2/NDF:3398.5/22

Left: 349.278+/-1.402 χ^2/NDF: 8953.2/47

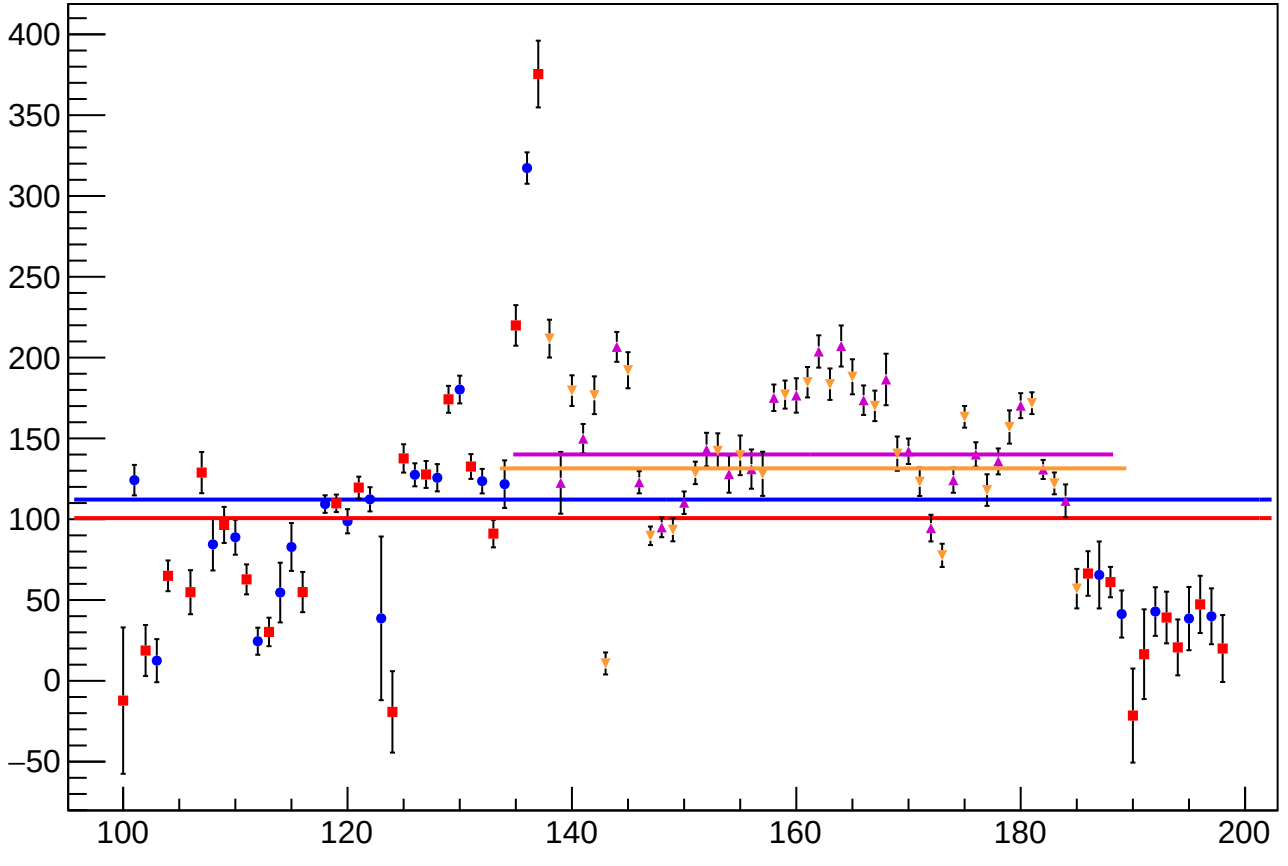
Right: 432.703+/-1.686 χ^2/NDF: 7674.5/48

In: 384.502+/-1.610 χ^2/NDF:6606.9/44

Out: 382.476+/-1.451 χ^2/NDF:11467.9/51

All: 383.383+/-1.078 χ^2/NDF: 18075.8/96

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 112.153+/-2.140 χ^2/NDF: 793.5/21

Left Out: 131.464+/-1.728 χ^2/NDF:809.3/24

Right Out: 100.678+/-2.055 χ^2/NDF: 694.2/26

Left In: 140.069+/-1.795 χ^2/NDF:316.5/22

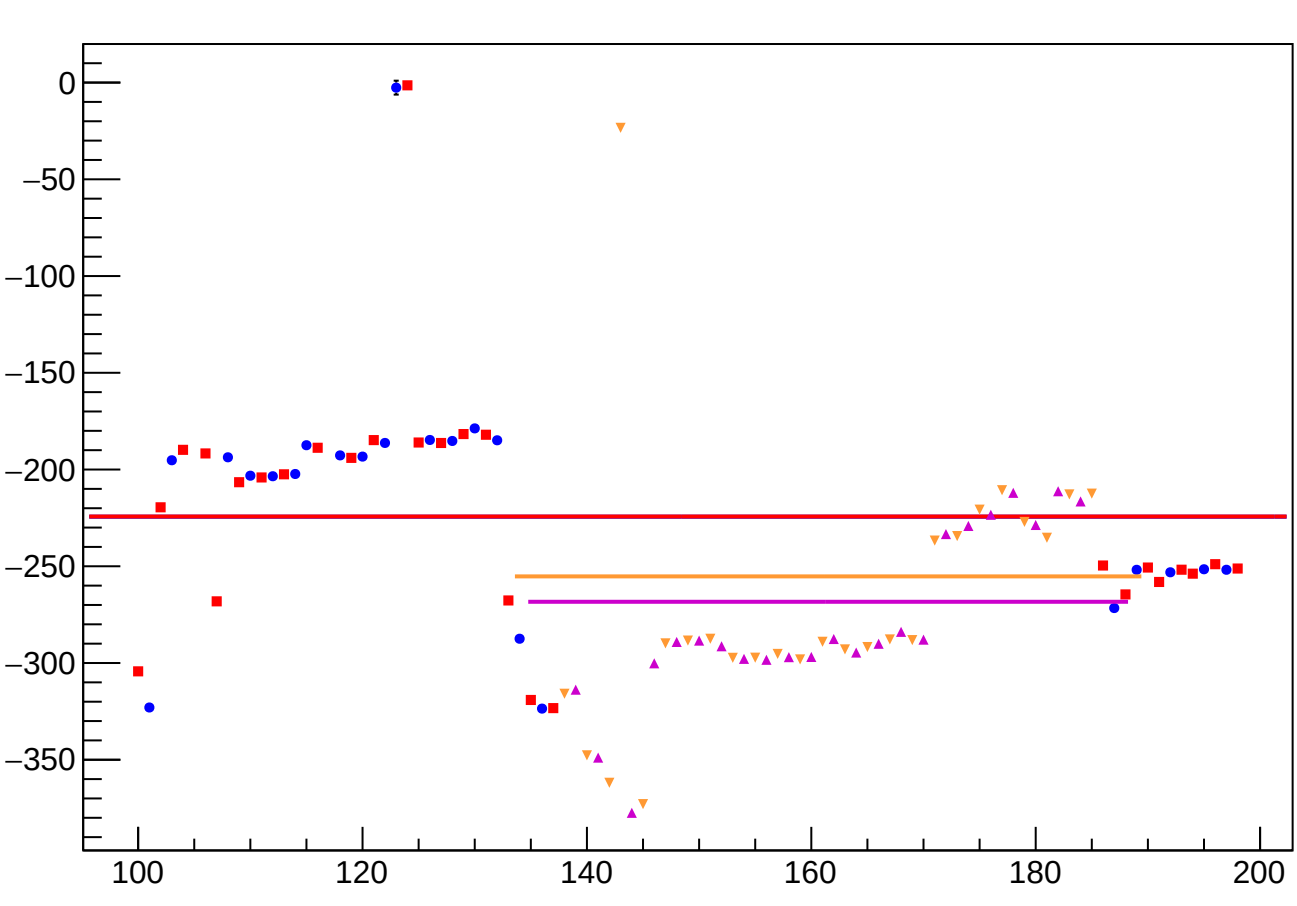
Left: 135.602+/-1.245 χ^2/NDF: 1137.8/47

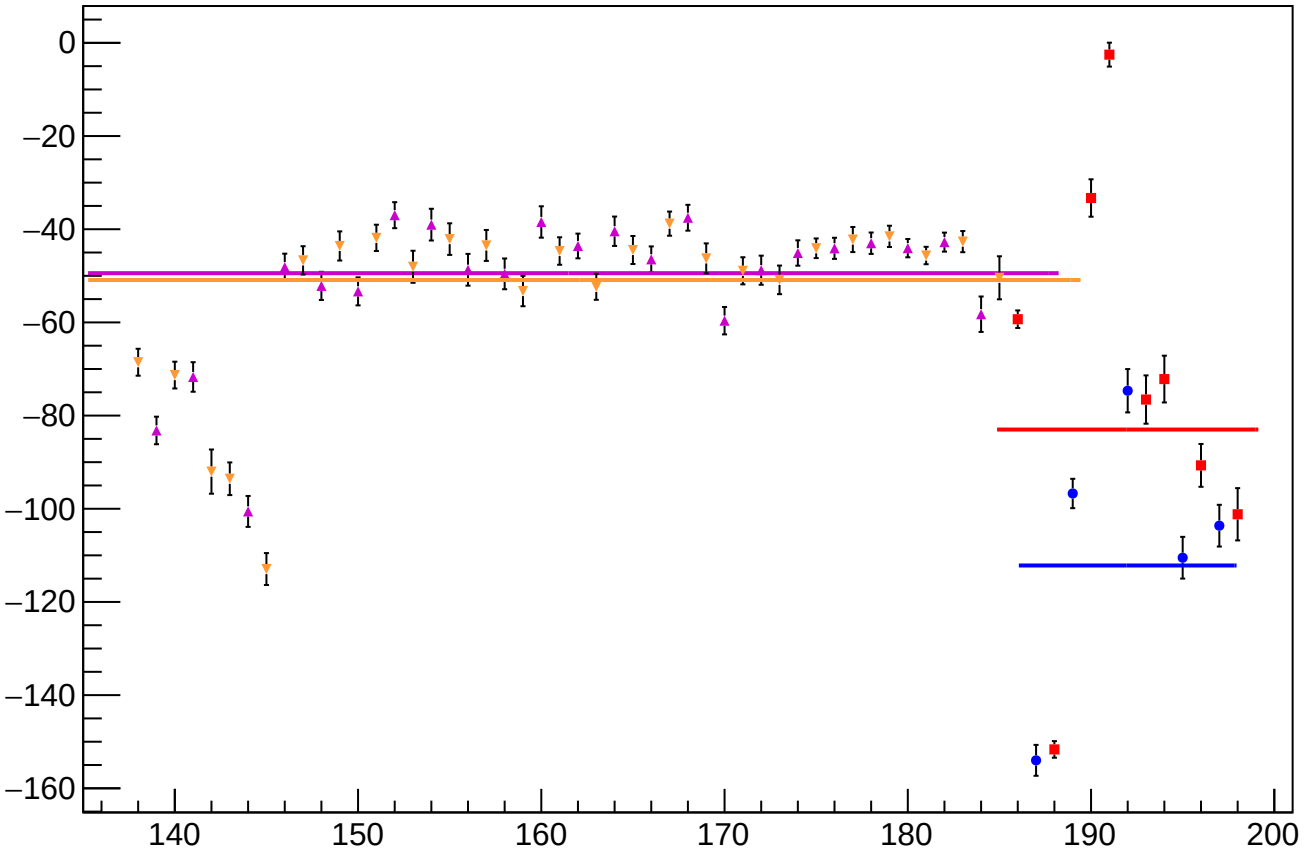
Right: 106.185+/-1.482 χ^2/NDF: 1502.7/48

In: 128.538+/-1.375 χ^2/NDF:1210.0/44

Out: 118.719+/-1.322 χ^2/NDF:1635.0/51

All: 123.436+/-0.953 χ^2/NDF: 2871.5/96


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: -224.373+/-0.122 χ²/NDF: 160545.9/21
Left Out: -255.232+/-0.082 χ²/NDF:728016.7/24
Right Out: -224.289+/-0.111 χ²/NDF: 144536.1/26
Left In: -268.353+/-0.084 χ²/NDF:262479.3/22
Left: -261.661+/-0.059 χ²/NDF: 1003051.2/47
Right: -224.327+/-0.082 χ²/NDF: 305082.3/48
In: -254.364+/-0.069 χ²/NDF:511006.5/44
Out: -244.308+/-0.066 χ²/NDF:922867.5/51
All: -249.103+/-0.048 χ²/NDF: 1444966.7/96



Right In: -112.174+/-1.722 χ^2/NDF: 251.7/4

Left Out: -50.897+/-0.573 χ^2/NDF:761.1/24

Right Out: -82.995+/-1.017 χ^2/NDF: 2799.1/7

Left In: -49.432+/-0.584 χ^2/NDF:543.4/22

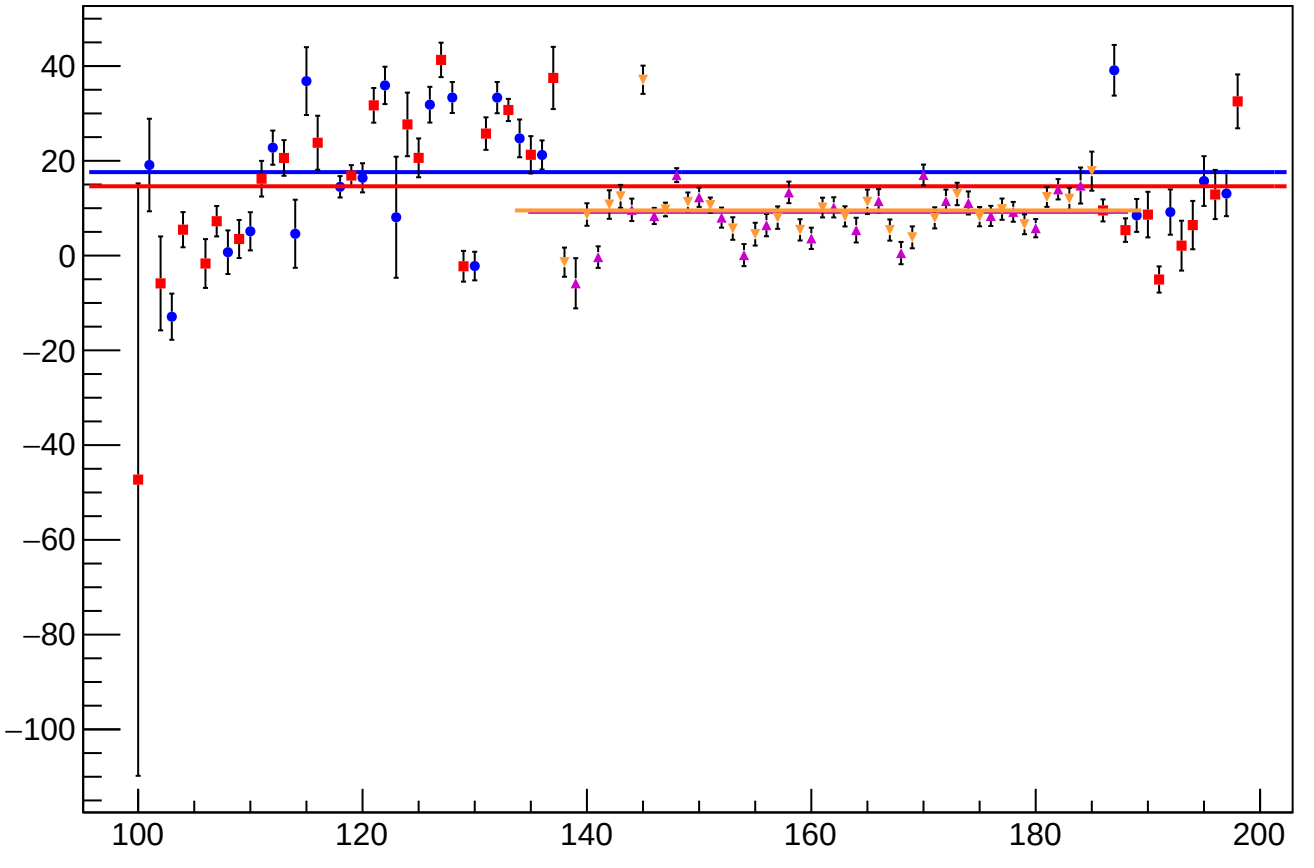
Left: -50.179+/-0.409 χ^2/NDF: 1307.8/47

Right: -90.547+/-0.876 χ^2/NDF: 3263.8/12

In: -55.906+/-0.553 χ^2/NDF:1986.4/27

Out: -58.623+/-0.499 χ^2/NDF:4316.2/32

All: -57.403+/-0.371 χ^2/NDF: 6315.9/60



Right In: 17.616+/-0.837 χ^2/NDF: 234.1/21

Left Out: 9.530+/-0.446 χ^2/NDF:134.4/24

Right Out: 14.627+/-0.706 χ^2/NDF: 311.3/26

Left In: 9.231+/-0.462 χ^2/NDF:124.0/22

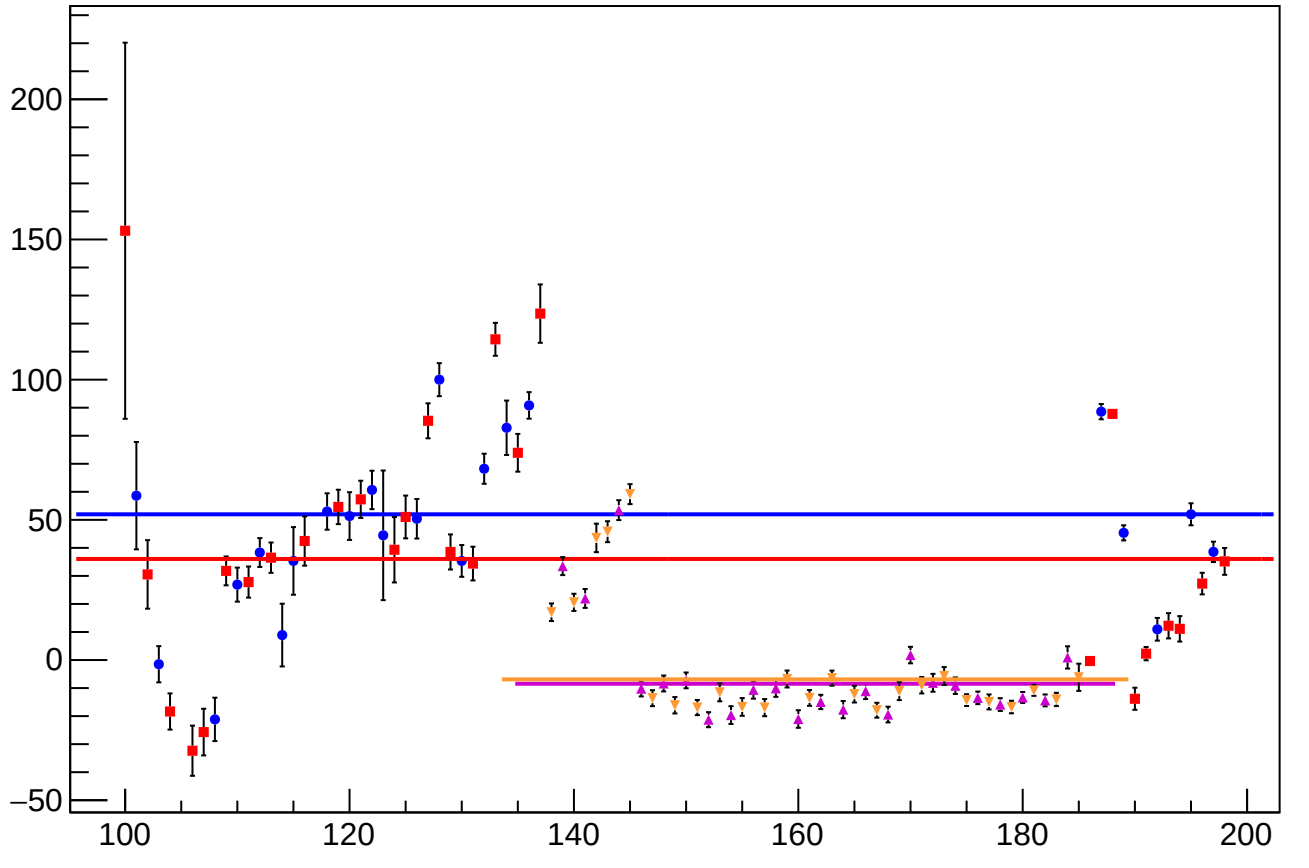
Left: 9.386+/-0.321 χ^2/NDF: 258.5/47

Right: 15.870+/-0.540 χ^2/NDF: 552.9/48

In: 11.186+/-0.404 χ^2/NDF:435.0/44

Out: 10.982+/-0.377 χ^2/NDF:482.8/51

All: 11.077+/-0.276 χ^2/NDF: 918.0/96



Right In: 51.977+/-1.099 χ^2/NDF: 665.2/21

Left Out: -6.888+/-0.571 χ^2/NDF:914.2/24

Right Out: 36.049+/-0.753 χ^2/NDF: 2861.4/26

Left In: -8.451+/-0.580 χ^2/NDF:688.9/22

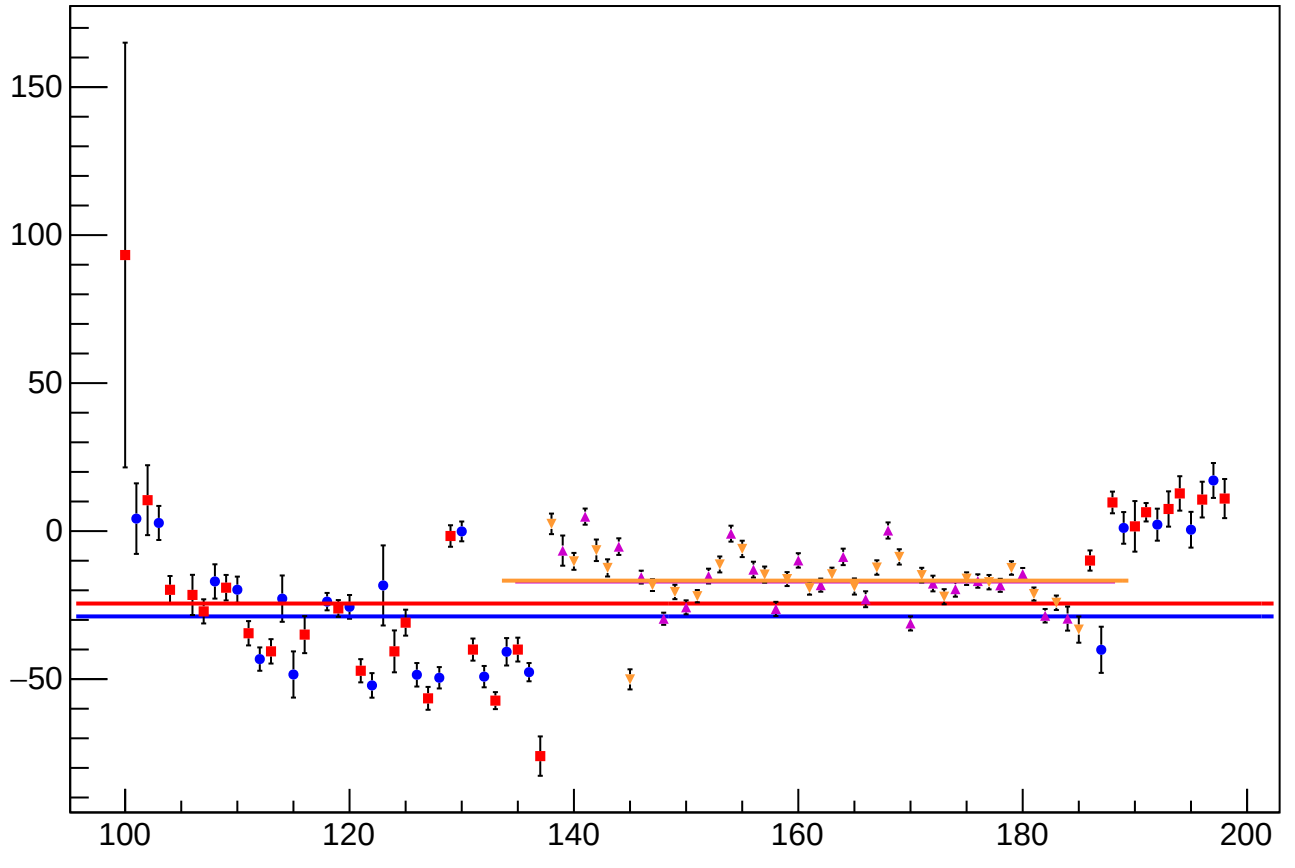
Left: -7.658+/-0.407 χ^2/NDF: 1606.8/47

Right: 41.144+/-0.621 χ^2/NDF: 3669.6/48

In: 4.711+/-0.513 χ^2/NDF:3719.9/44

Out: 8.775+/-0.455 χ^2/NDF:5838.5/51

All: 6.984+/-0.340 χ^2/NDF: 9593.6/96



Right In: -28.821+/-0.973 χ^2/NDF: 459.6/21

Left Out: -16.733+/-0.507 χ^2/NDF:223.3/24

Right Out: -24.468+/-0.845 χ^2/NDF: 755.7/26

Left In: -17.023+/-0.522 χ^2/NDF:327.6/22

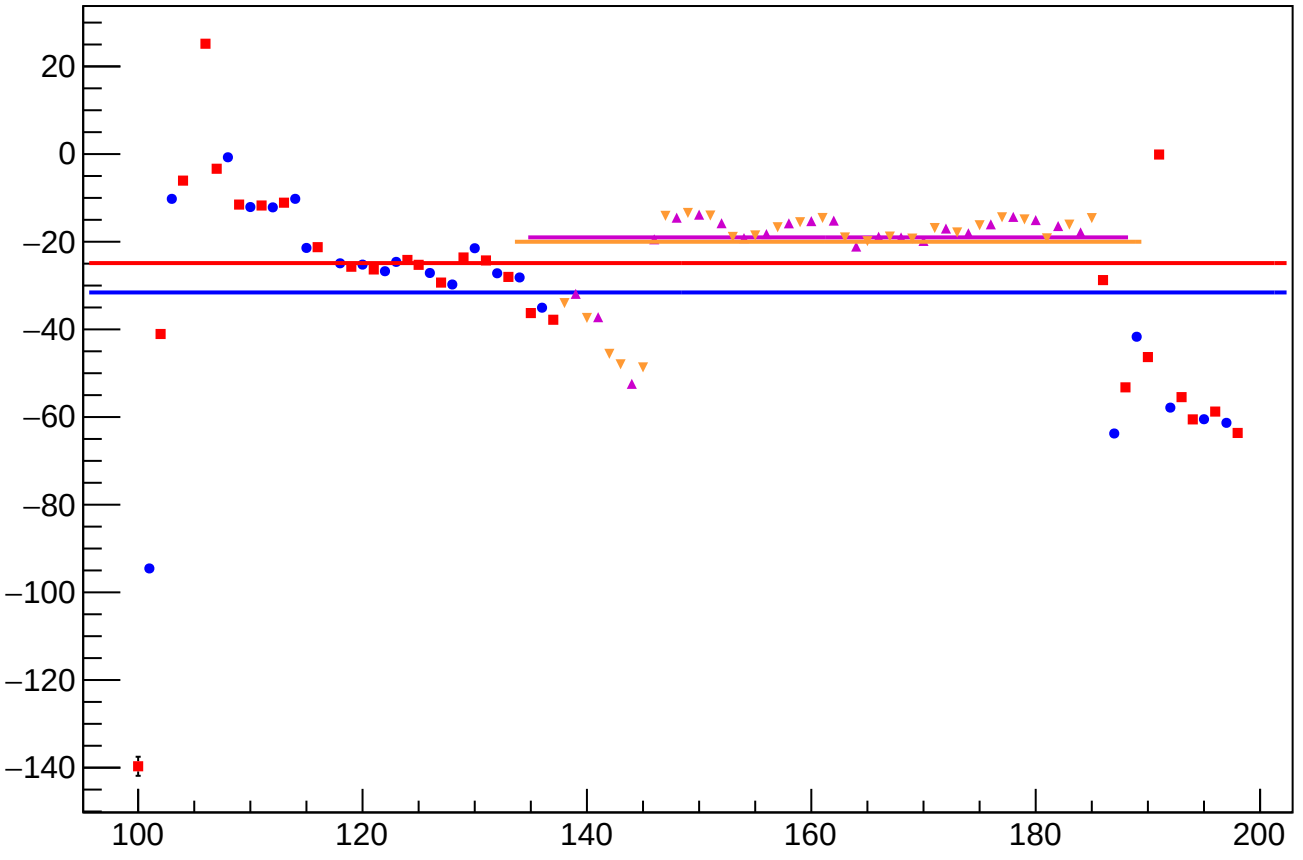
Left: -16.874+/-0.364 χ^2/NDF: 551.0/47

Right: -26.340+/-0.638 χ^2/NDF: 1226.7/48

In: -19.659+/-0.460 χ^2/NDF:901.4/44

Out: -18.778+/-0.435 χ^2/NDF:1040.6/51

All: -19.194+/-0.316 χ^2/NDF: 1943.9/96



Right In: -31.572+/-0.050 χ^2/NDF: 157979.4/21

Left Out: -20.006+/-0.023 χ^2/NDF:145623.8/24

Right Out: -24.872+/-0.040 χ^2/NDF: 352329.5/26

Left In: -19.007+/-0.024 χ^2/NDF:90873.3/22

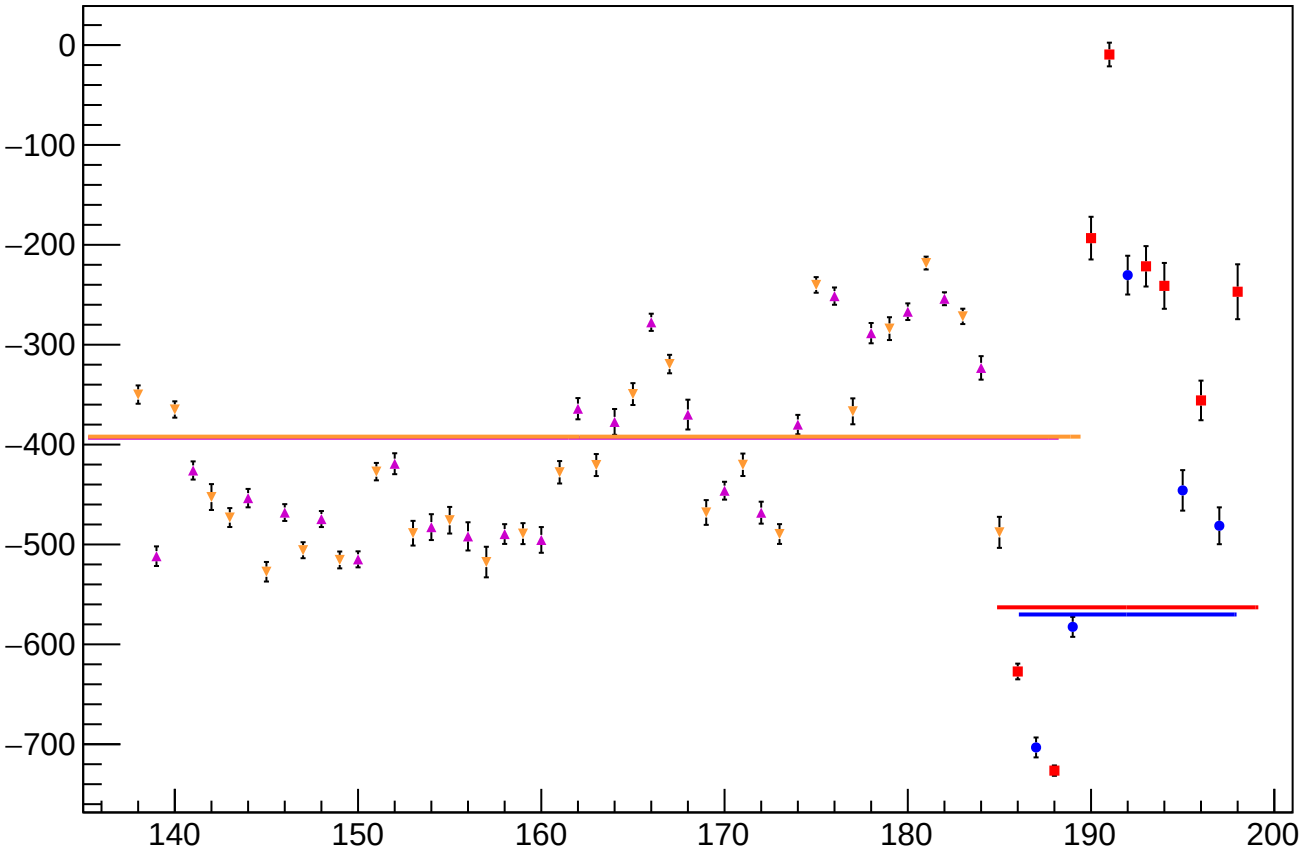
Left: -19.514+/-0.017 χ^2/NDF: 237400.2/47

Right: -27.506+/-0.031 χ^2/NDF: 521265.1/48

In: -21.318+/-0.021 χ^2/NDF:300662.3/44

Out: -21.232+/-0.020 χ^2/NDF:508952.8/51

All: -21.273+/-0.015 χ^2/NDF: 809623.6/96



Right In: -570.093+/-5.967 χ^2/NDF: 547.0/4

Left Out: -392.054+/-1.967 χ^2/NDF:2717.2/24

Right Out: -562.929+/-3.753 χ^2/NDF: 4264.4/7

Left In: -393.113+/-2.006 χ^2/NDF:2253.3/22

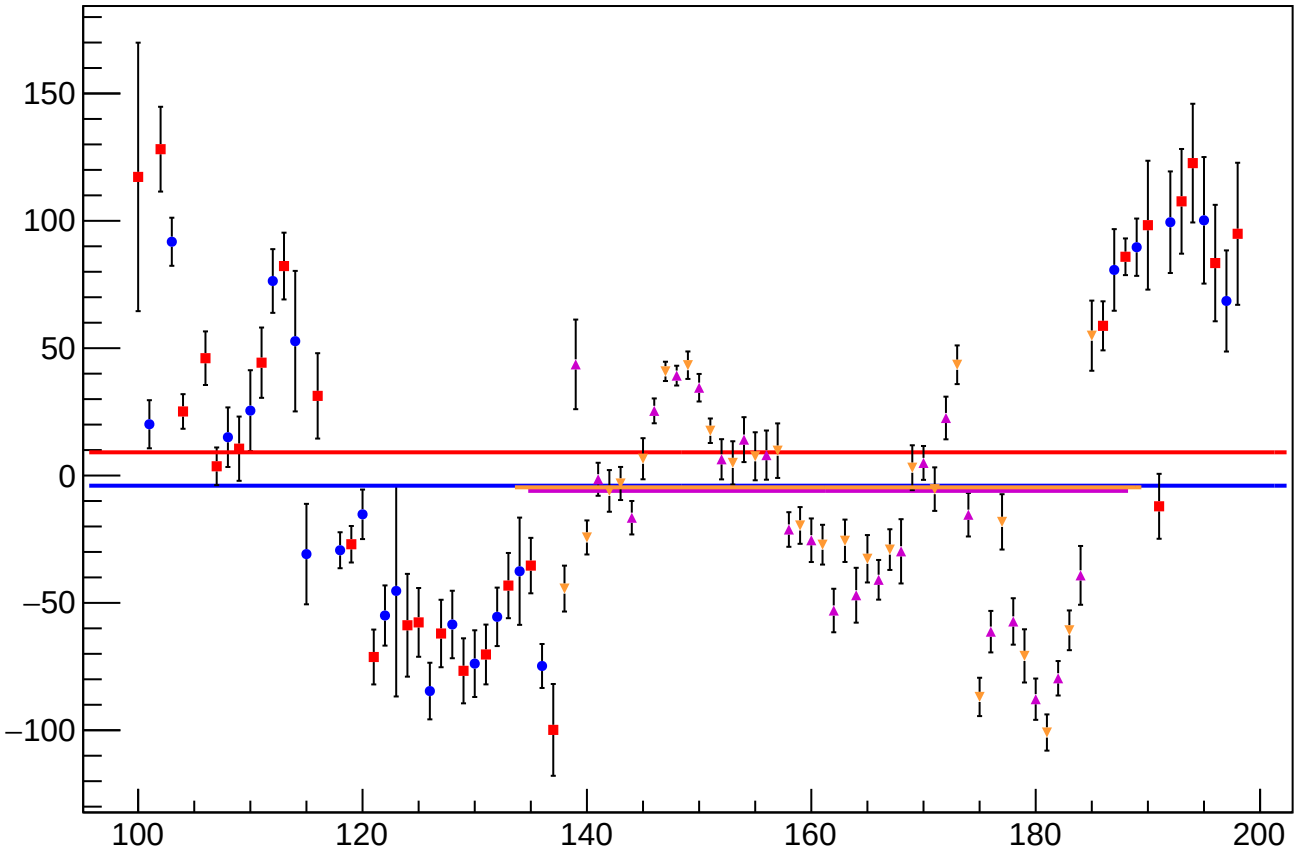
Left: -392.573+/-1.404 χ^2/NDF: 4970.6/47

Right: -564.960+/-3.177 χ^2/NDF: 4812.4/12

In: -411.078+/-1.901 χ^2/NDF:3590.8/27

Out: -428.859+/-1.742 χ^2/NDF:8607.7/32

All: -420.744+/-1.284 χ^2/NDF: 12246.0/60



Right In: -3.988+/-2.638 χ^2/NDF: 539.7/21

Left Out: -4.624+/-1.462 χ^2/NDF:772.9/24

Right Out: 9.117+/-2.283 χ^2/NDF: 641.9/26

Left In: -6.019+/-1.516 χ^2/NDF:654.1/22

Left: -5.296+/-1.053 χ^2/NDF: 1427.4/47

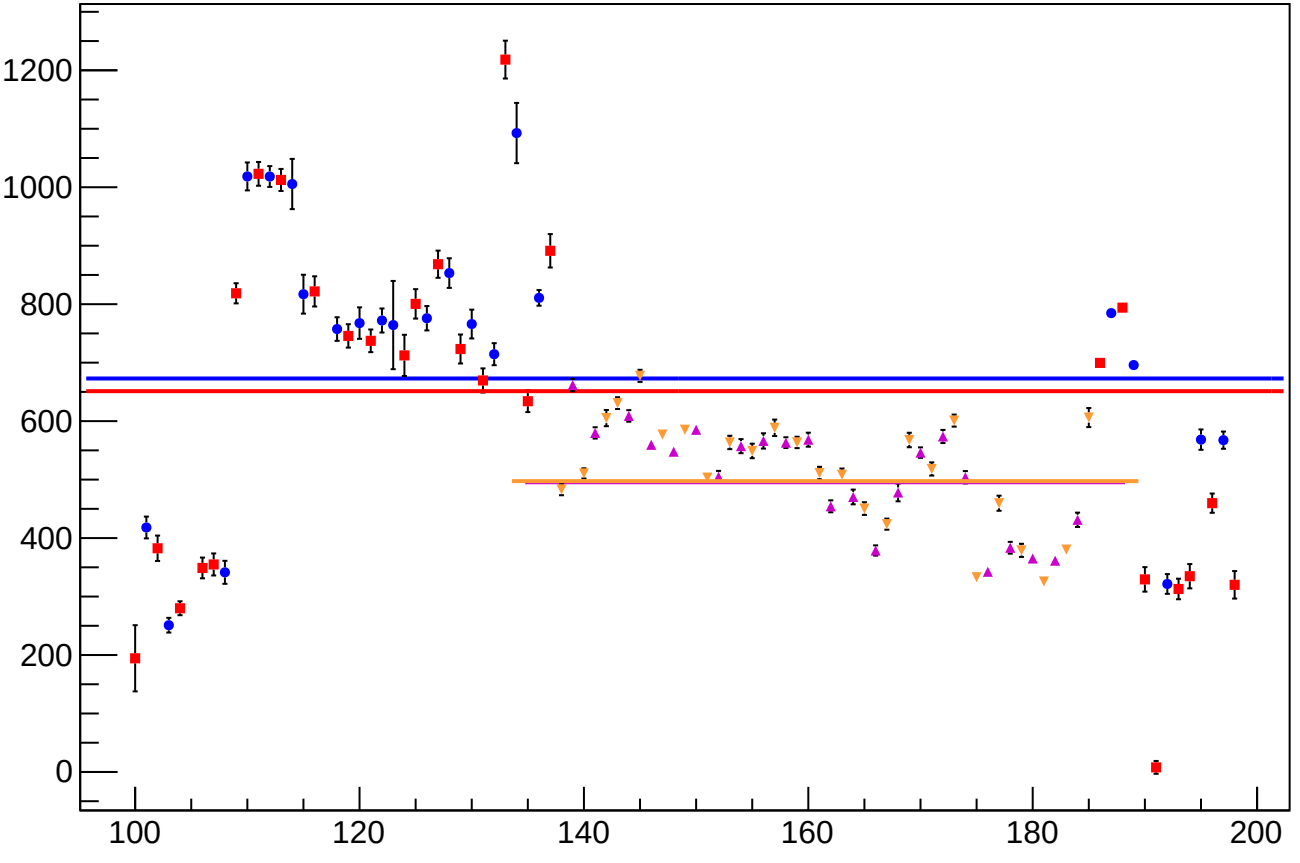
Right: 3.504+/-1.726 χ^2/NDF: 1195.7/48

In: -5.514+/-1.315 χ^2/NDF:1194.2/44

Out: -0.627+/-1.231 χ^2/NDF:1440.5/51

All: -2.911+/-0.899 χ^2/NDF: 2642.1/96

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 672.914+/-3.543 χ^2/NDF: 3295.7/21

Left Out: 497.381+/-1.966 χ^2/NDF:2614.6/24

Right Out: 651.251+/-2.591 χ^2/NDF: 8966.0/26

Left In: 495.454+/-1.992 χ^2/NDF:2253.8/22

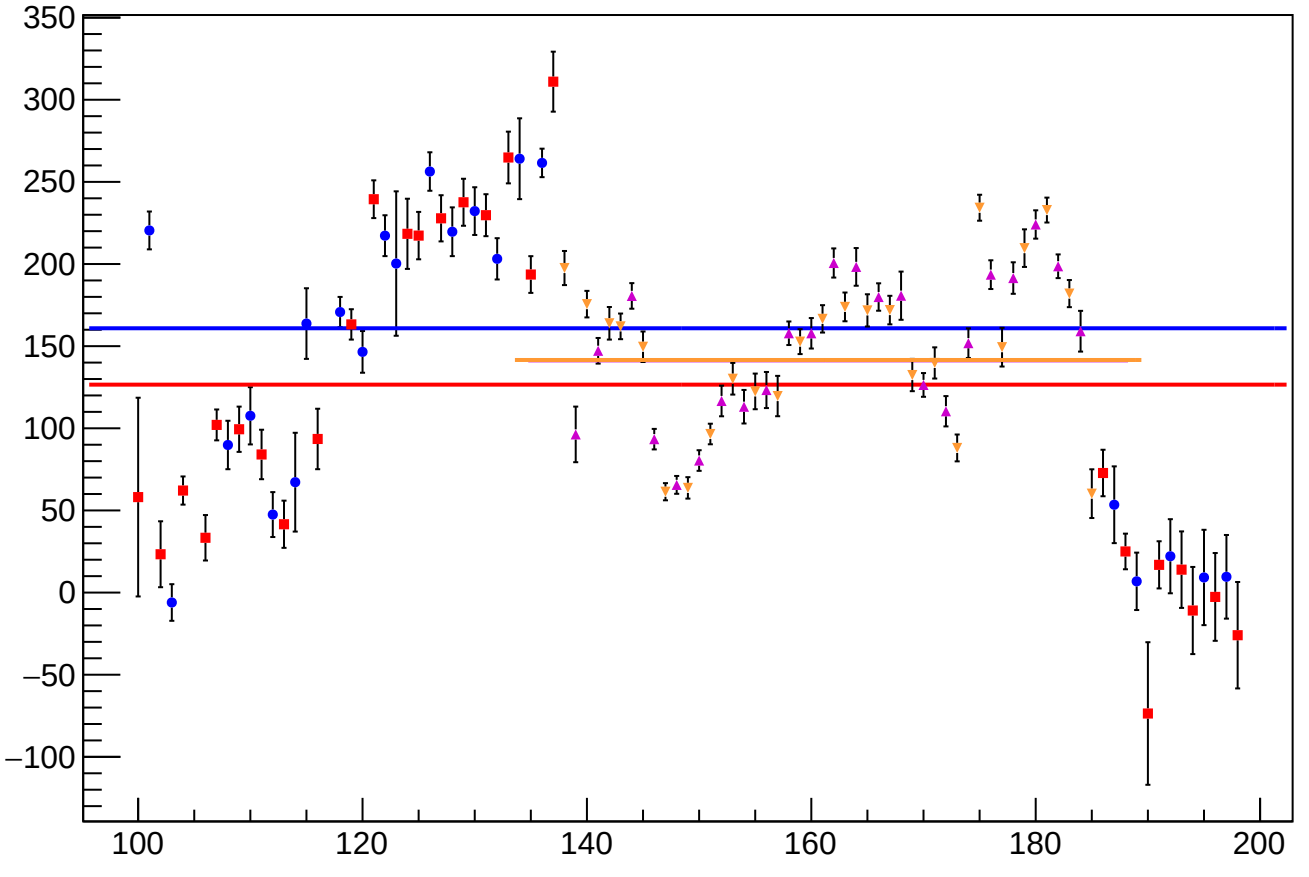
Left: 496.430+/-1.399 χ^2/NDF: 4868.9/47

Right: 658.801+/-2.091 χ^2/NDF: 12286.1/48

In: 538.088+/-1.736 χ^2/NDF:7455.9/44

Out: 553.595+/-1.566 χ^2/NDF:13818.6/51

All: 546.639+/-1.163 χ^2/NDF: 21318.5/96



Right In: 160.893+/-3.090 χ^2/NDF: 855.1/21

Left Out: 141.588+/-1.698 χ^2/NDF:959.6/24

Right Out: 126.575+/-2.750 χ^2/NDF: 1026.8/26

Left In: 141.360+/-1.748 χ^2/NDF:741.2/22

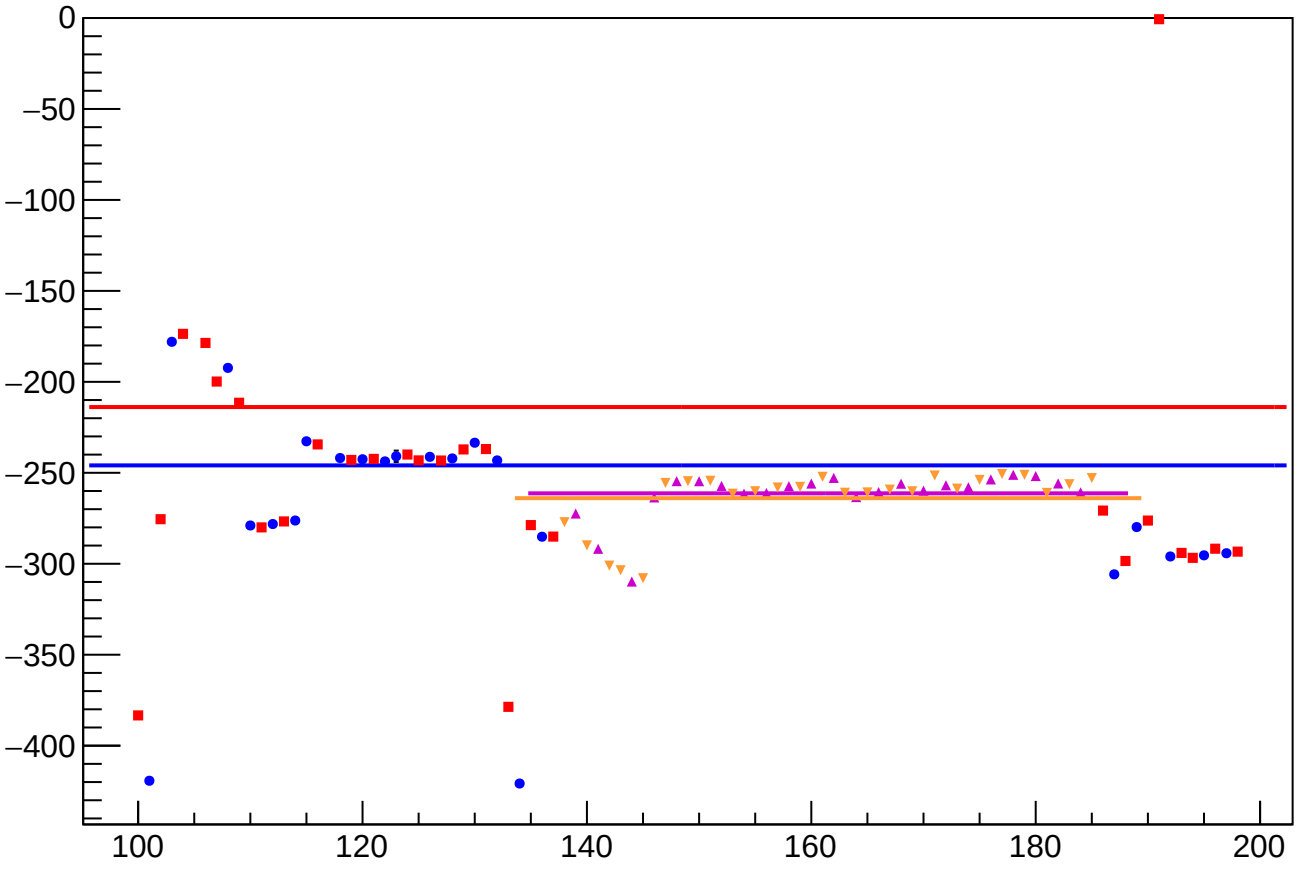
Left: 141.478+/-1.218 χ^2/NDF: 1700.8/47

Right: 141.741+/-2.054 χ^2/NDF: 1950.7/48

In: 146.096+/-1.521 χ^2/NDF:1626.6/44

Out: 137.442+/-1.445 χ^2/NDF:2007.9/51

All: 141.546+/-1.048 χ^2/NDF: 3651.5/96



Right In: -245.923+/-0.149 χ^2/NDF: 183872.0/21

Left Out: -263.943+/-0.081 χ^2/NDF:39085.0/24

Right Out: -213.857+/-0.128 χ^2/NDF: 468736.0/26

Left In: -261.286+/-0.082 χ^2/NDF:23348.4/22

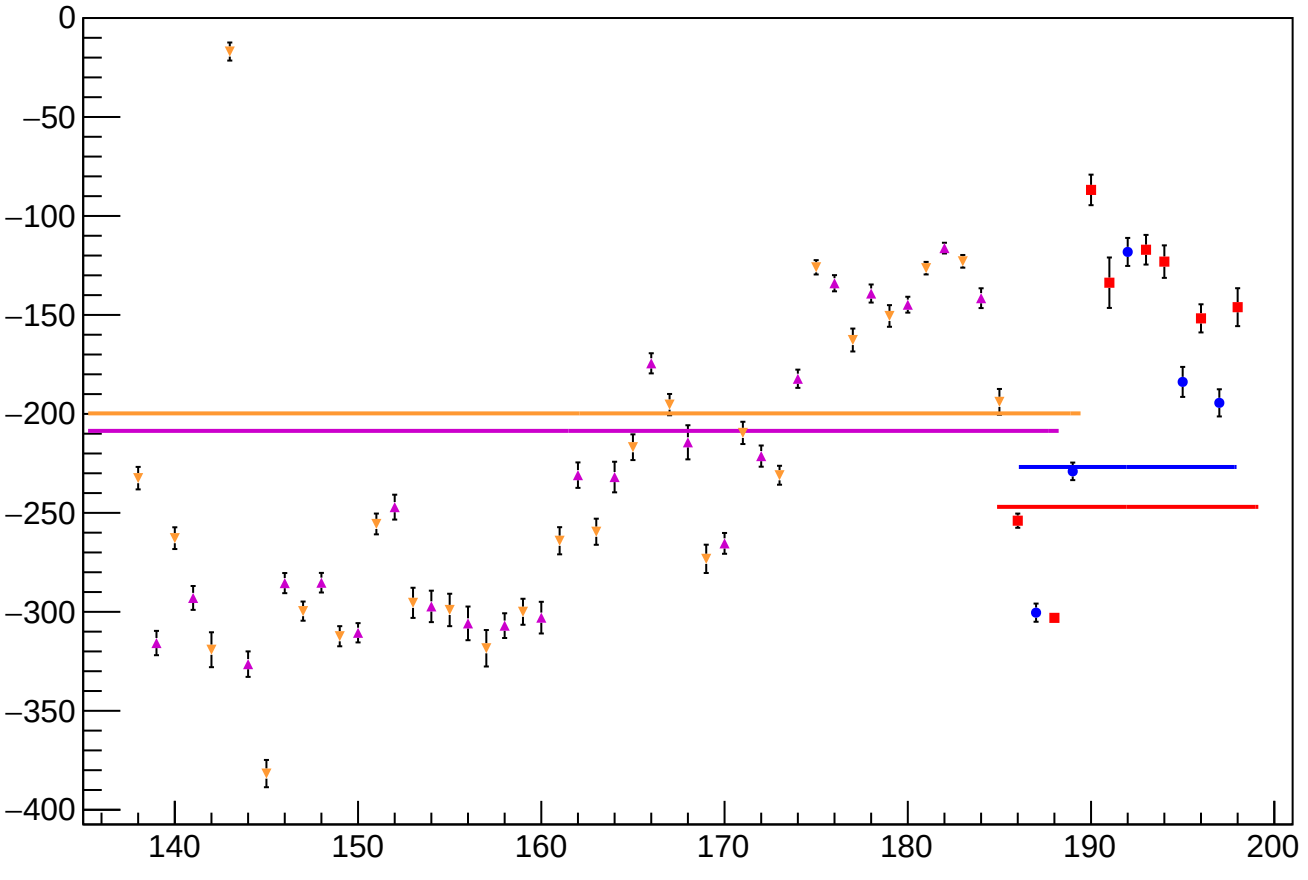
Left: -262.627+/-0.058 χ^2/NDF: 62963.4/47

Right: -227.542+/-0.097 χ^2/NDF: 679209.3/48

In: -257.711+/-0.072 χ^2/NDF:215395.1/44

Out: -249.629+/-0.069 χ^2/NDF:616434.6/51

All: -253.489+/-0.050 χ^2/NDF: 838448.0/96



Right In: -226.816+/-2.525 χ^2/NDF: 547.2/4

Left Out: -199.741+/-1.061 χ^2/NDF:6361.5/24

Right Out: -246.964+/-1.710 χ^2/NDF: 1891.7/7

Left In: -208.579+/-1.082 χ^2/NDF:4805.1/22

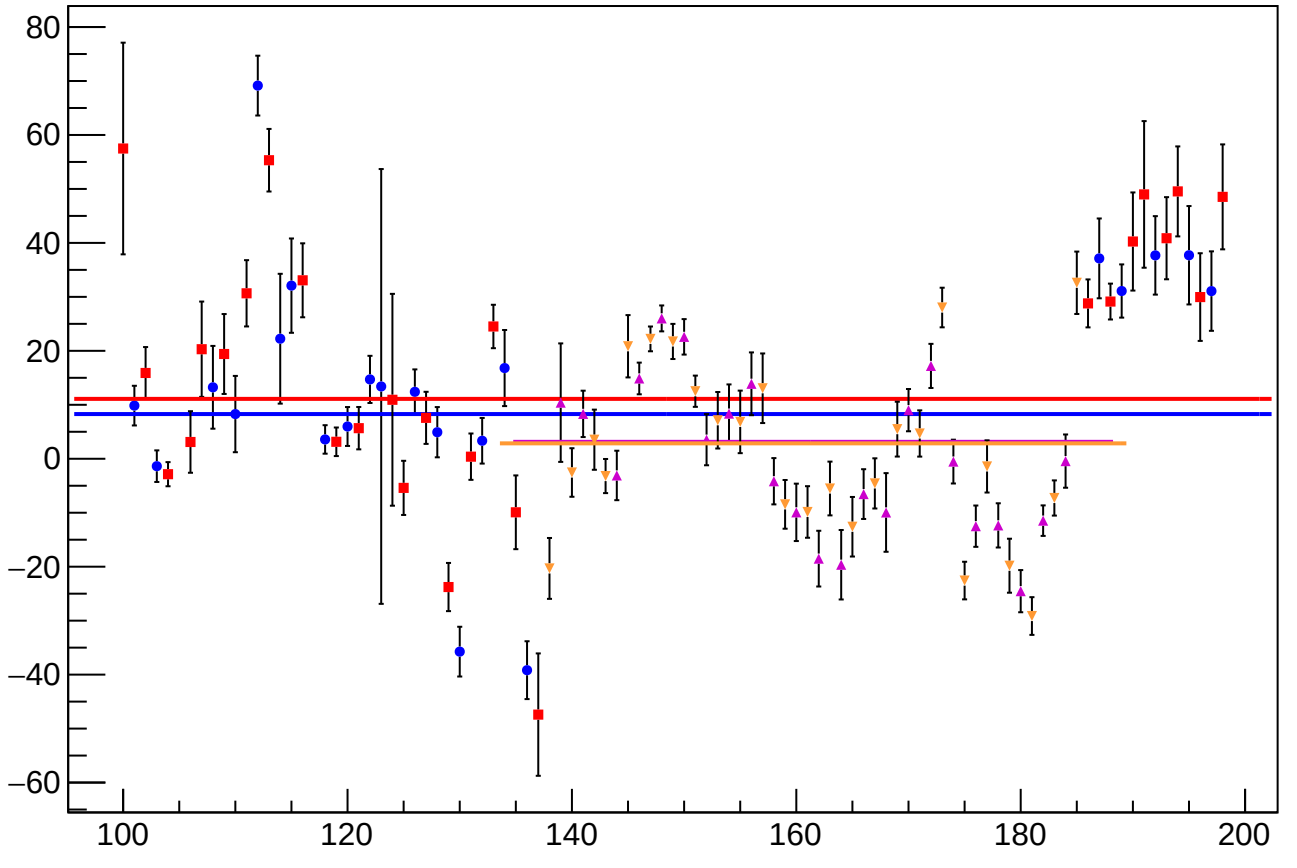
Left: -204.073+/-0.758 χ^2/NDF: 11200.6/47

Right: -240.626+/-1.416 χ^2/NDF: 2482.6/12

In: -211.411+/-0.995 χ^2/NDF:5396.4/27

Out: -212.867+/-0.902 χ^2/NDF:8803.7/32

All: -212.210+/-0.668 χ^2/NDF: 14201.3/60



Right In: 8.283+/-1.040 χ^2/NDF: 393.5/21

Left Out: 2.853+/-0.820 χ^2/NDF:419.8/24

Right Out: 11.097+/-0.958 χ^2/NDF: 385.3/26

Left In: 3.136+/-0.857 χ^2/NDF:319.8/22

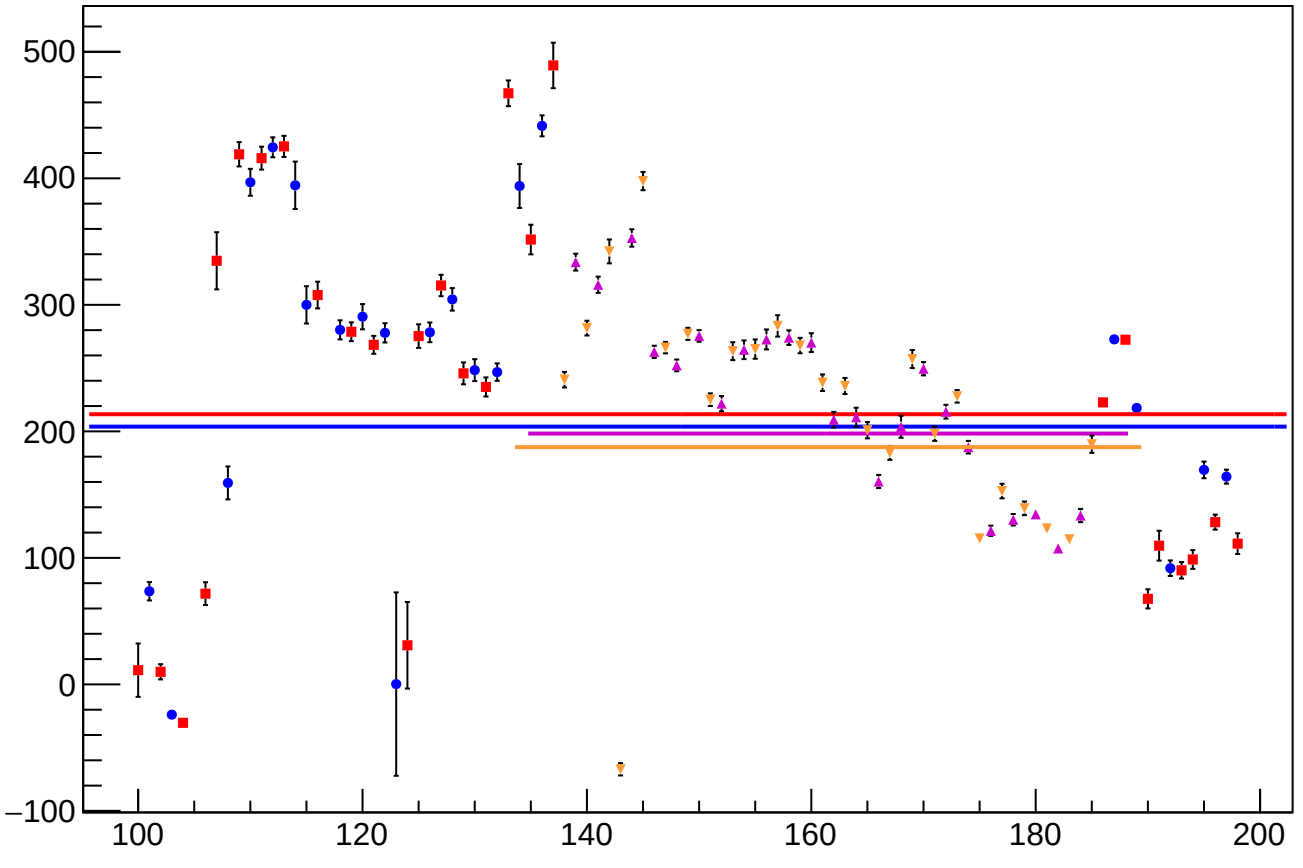
Left: 2.988+/-0.592 χ^2/NDF: 739.7/47

Right: 9.805+/-0.705 χ^2/NDF: 782.7/48

In: 5.216+/-0.661 χ^2/NDF:727.8/44

Out: 6.339+/-0.623 χ^2/NDF:847.8/51

All: 5.811+/-0.453 χ^2/NDF: 1577.2/96



Right In: 203.739+/-1.447 χ^2/NDF: 7479.5/21

Left Out: 187.565+/-1.066 χ^2/NDF:7082.0/24

Right Out: 213.543+/-1.136 χ^2/NDF: 10709.9/26

Left In: 198.269+/-1.082 χ^2/NDF:4515.8/22

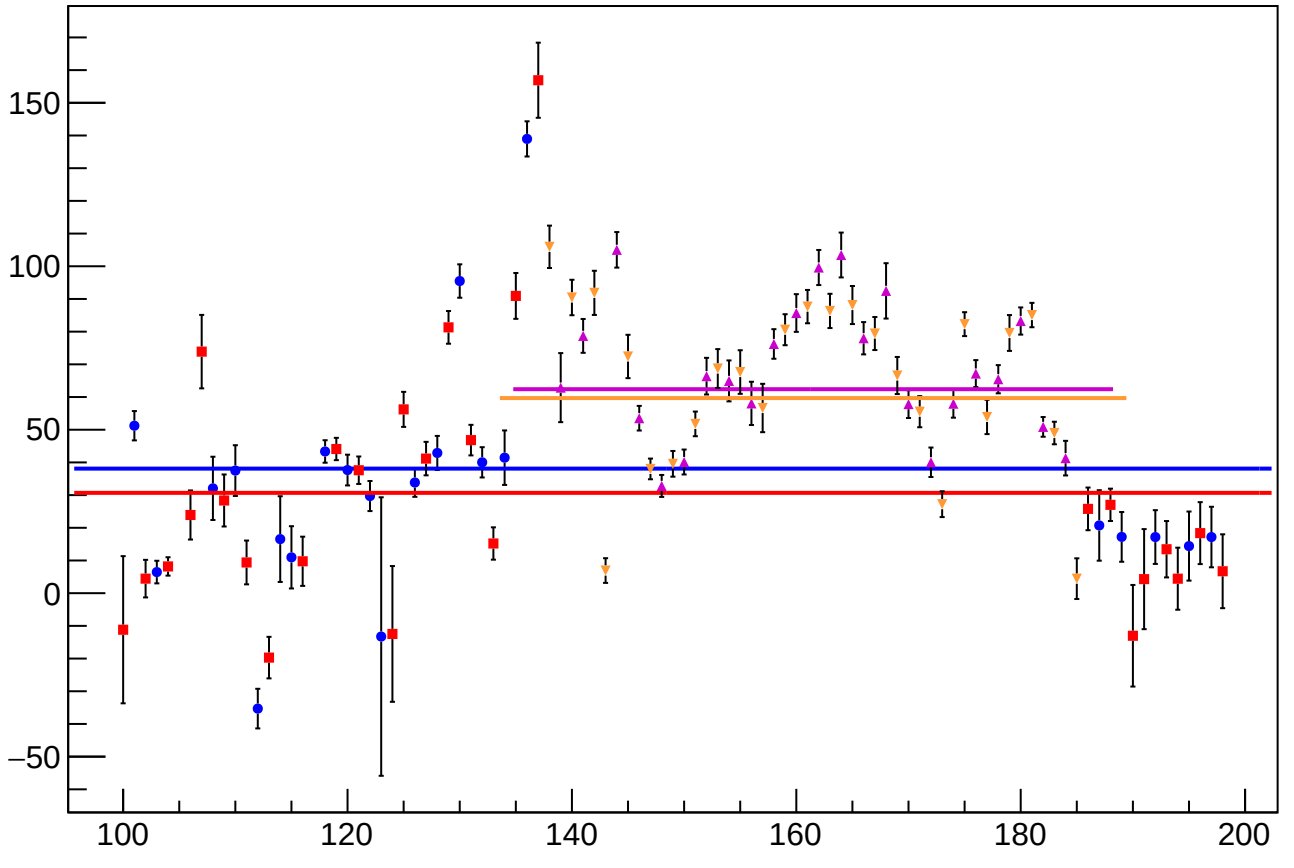
Left: 192.839+/-0.759 χ^2/NDF: 11647.5/47

Right: 209.806+/-0.893 χ^2/NDF: 18217.8/48

In: 200.229+/-0.866 χ^2/NDF:12004.4/44

Out: 199.730+/-0.777 χ^2/NDF:18070.1/51

All: 199.953+/-0.579 χ^2/NDF: 30074.7/96



Right In: 38.104+/-1.225 χ^2/NDF: 763.4/21

Left Out: 59.682+/-0.941 χ^2/NDF:757.6/24

Right Out: 30.690+/-1.152 χ^2/NDF: 582.7/26

Left In: 62.400+/-0.974 χ^2/NDF:406.3/22

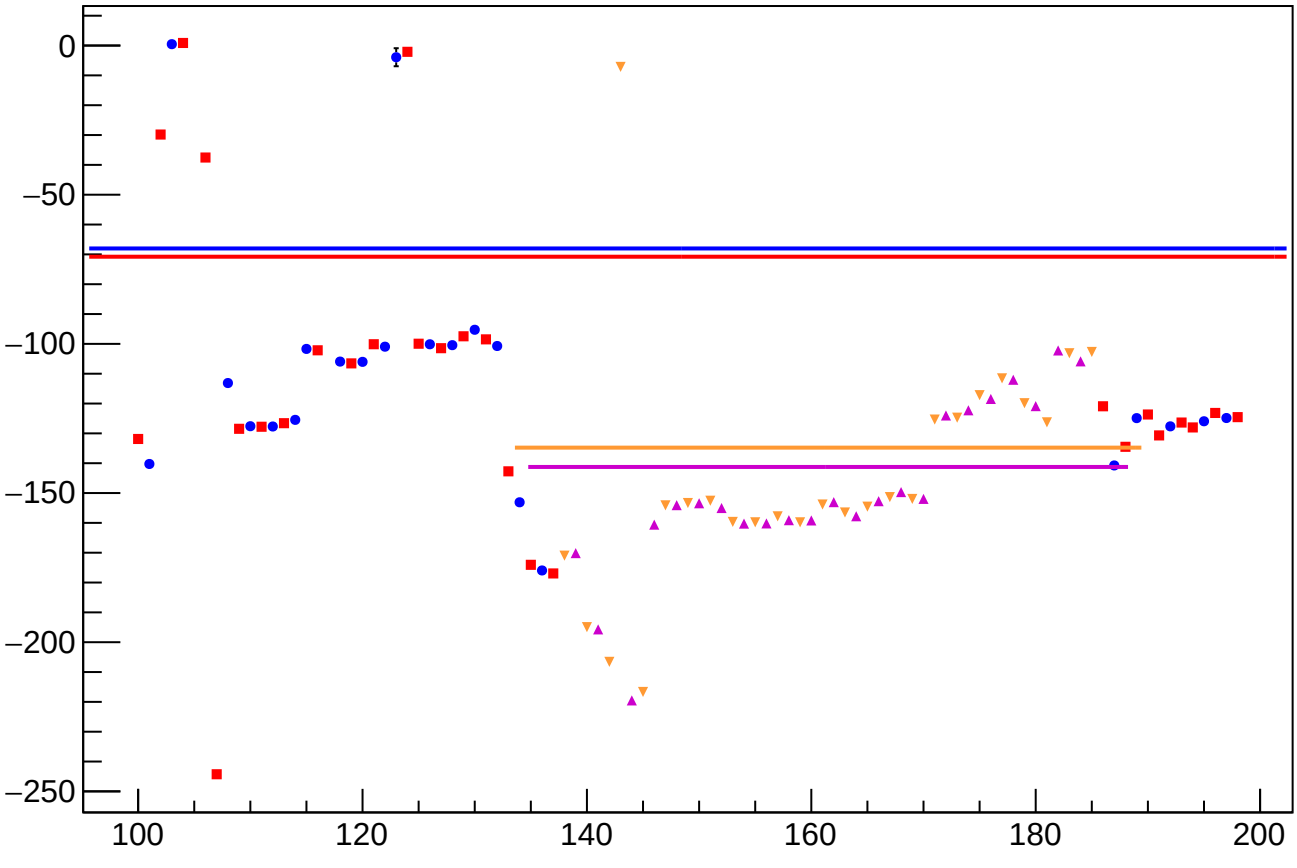
Left: 60.993+/-0.677 χ^2/NDF: 1167.9/47

Right: 34.169+/-0.839 χ^2/NDF: 1365.6/48

In: 52.989+/-0.762 χ^2/NDF:1410.6/44

Out: 48.082+/-0.729 χ^2/NDF:1720.4/51

All: 50.424+/-0.527 χ^2/NDF: 3152.6/96



Right In: -68.016+/-0.057 χ^2/NDF: 1286771.9/21

Left Out: -134.780+/-0.045 χ^2/NDF:804747.3/24

Right Out: -70.782+/-0.053 χ^2/NDF: 1322029.9/26

Left In: -141.255+/-0.045 χ^2/NDF:347229.8/22

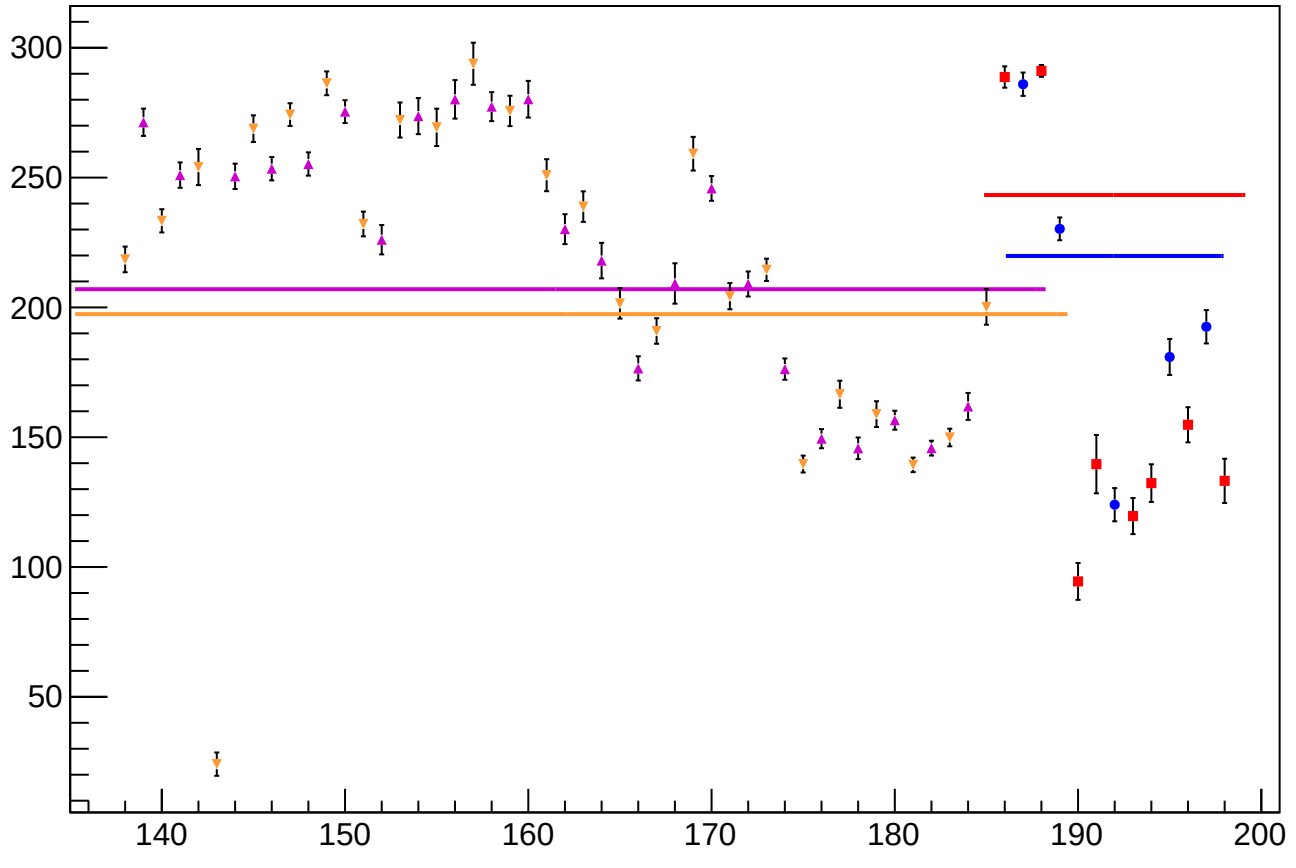
Left: -137.961+/-0.032 χ^2/NDF: 1162377.9/47

Right: -69.496+/-0.039 χ^2/NDF: 2610058.3/48

In: -112.949+/-0.035 χ^2/NDF:2644647.0/44

Out: -108.449+/-0.034 χ^2/NDF:2977616.4/51

All: -110.613+/-0.025 χ^2/NDF: 5630616.6/96



Right In: 219.809+/-2.421 χ^2/NDF: 495.7/4

Left Out: 197.408+/-0.963 χ^2/NDF:4384.2/24

Right Out: 243.297+/-1.679 χ^2/NDF: 1975.1/7

Left In: 207.014+/-0.990 χ^2/NDF:2611.5/22

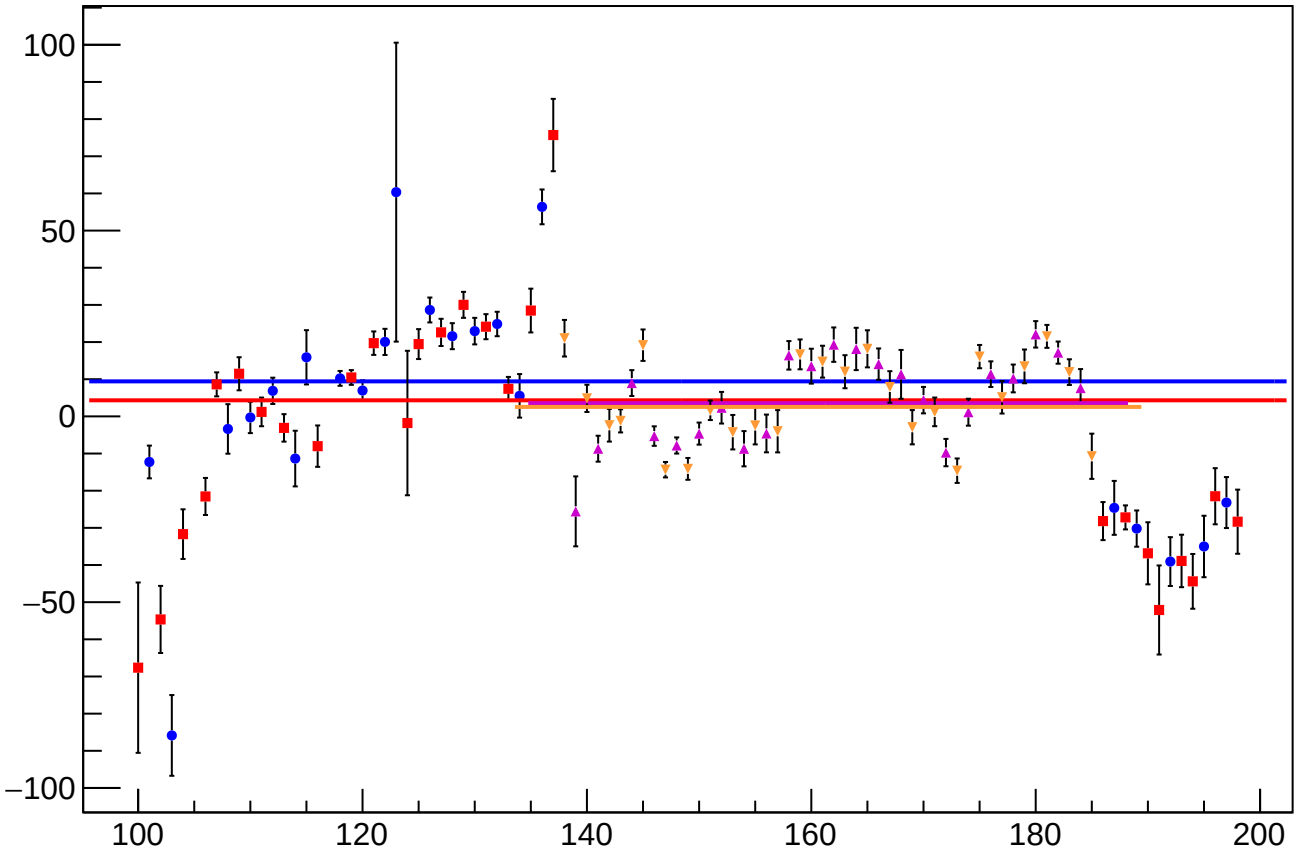
Left: 202.077+/-0.690 χ^2/NDF: 7044.1/47

Right: 235.669+/-1.380 χ^2/NDF: 2534.4/12

In: 208.848+/-0.917 χ^2/NDF:3131.2/27

Out: 208.766+/-0.835 χ^2/NDF:6921.5/32

All: 208.803+/-0.617 χ^2/NDF: 10052.7/60



Right In: 9.422+/-0.892 χ^2/NDF: 507.2/21

Left Out: 2.548+/-0.741 χ^2/NDF:275.4/24

Right Out: 4.325+/-0.839 χ^2/NDF: 643.8/26

Left In: 3.559+/-0.774 χ^2/NDF:192.0/22

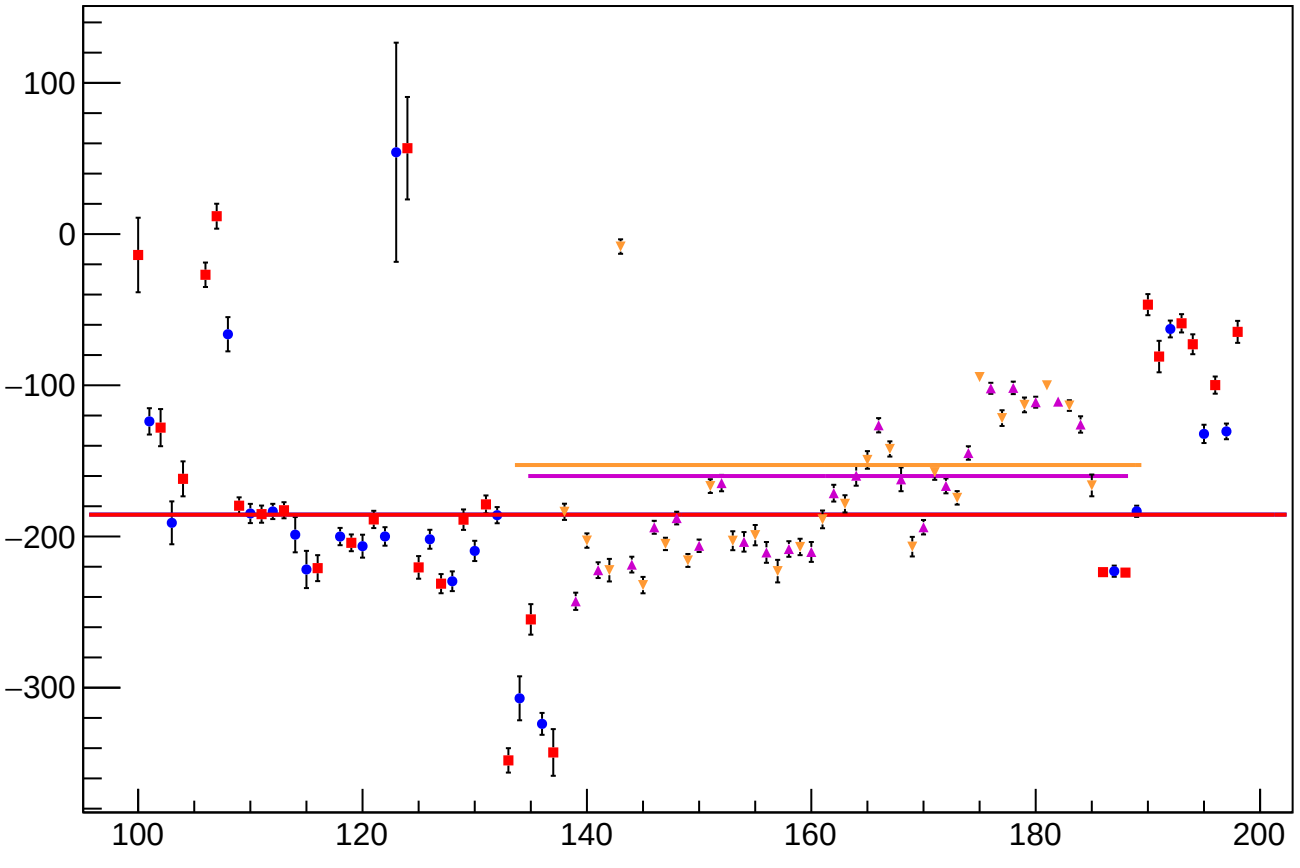
Left: 3.031+/-0.535 χ^2/NDF: 468.3/47

Right: 6.718+/-0.611 χ^2/NDF: 1168.4/48

In: 6.077+/-0.585 χ^2/NDF:723.9/44

Out: 3.326+/-0.555 χ^2/NDF:921.8/51

All: 4.631+/-0.403 χ^2/NDF: 1657.3/96



Right In: -185.490+/-1.347 χ^2/NDF: 1482.6/21

Left Out: -152.738+/-0.967 χ^2/NDF:3077.8/24

Right Out: -185.591+/-1.076 χ^2/NDF: 4046.6/26

Left In: -160.021+/-0.989 χ^2/NDF:2024.4/22

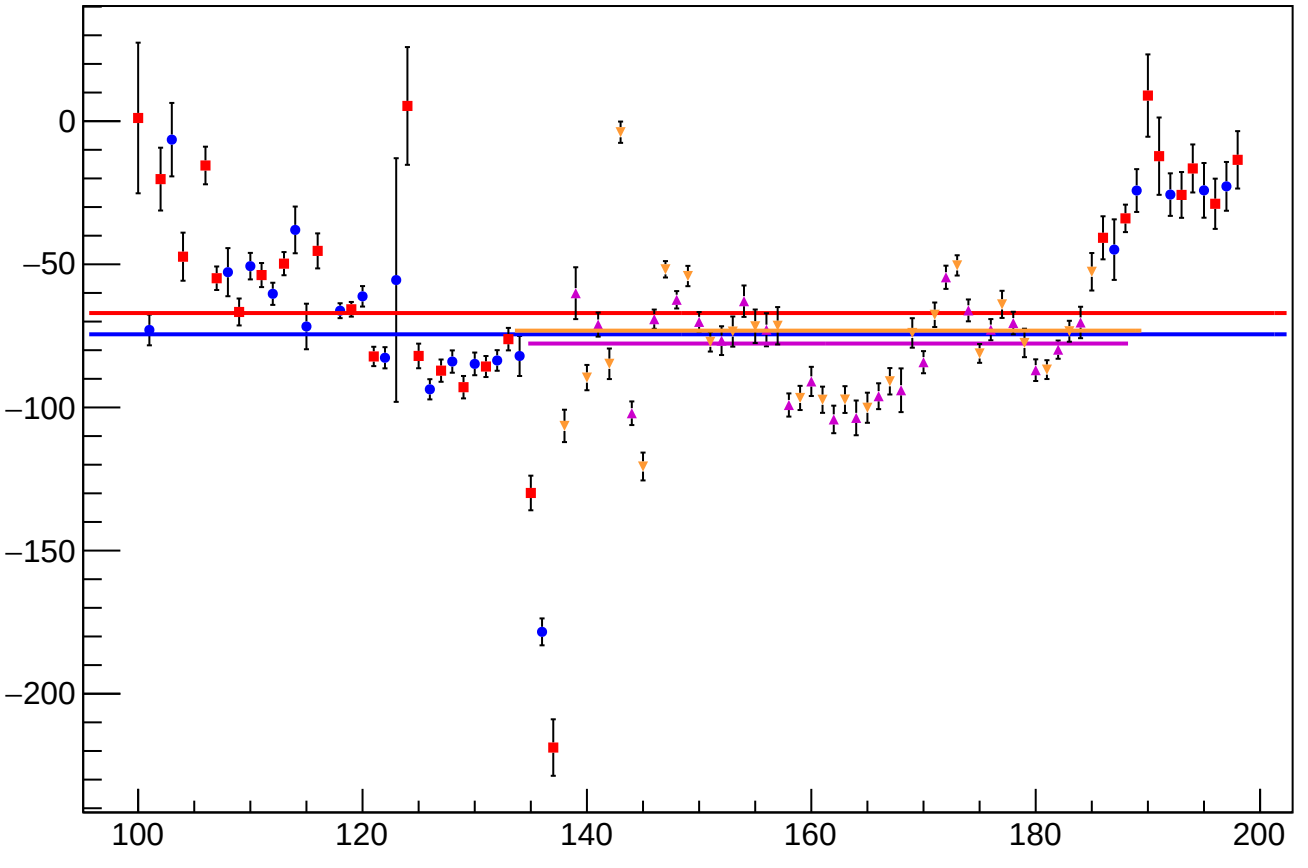
Left: -156.299+/-0.691 χ^2/NDF: 5129.9/47

Right: -185.551+/-0.841 χ^2/NDF: 5529.2/48

In: -168.939+/-0.797 χ^2/NDF:3739.3/44

Out: -167.419+/-0.719 χ^2/NDF:7640.3/51

All: -168.101+/-0.534 χ^2/NDF: 11381.6/96



Right In: -74.448+/-1.042 χ^2/NDF: 823.2/21

Left Out: -73.165+/-0.851 χ^2/NDF:788.6/24

Right Out: -67.025+/-0.988 χ^2/NDF: 847.1/26

Left In: -77.678+/-0.883 χ^2/NDF:248.3/22

Left: -75.339+/-0.613 χ^2/NDF: 1050.4/47

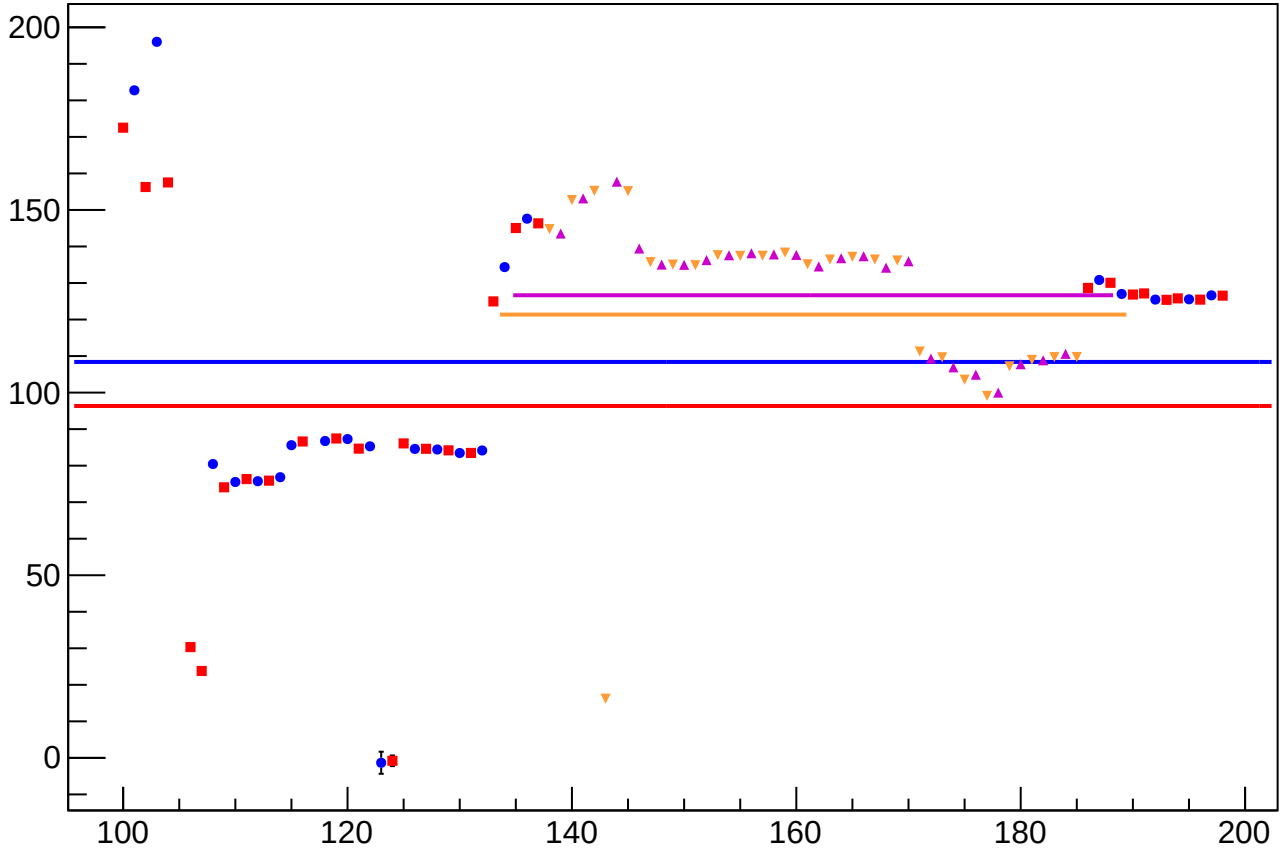
Right: -70.538+/-0.717 χ^2/NDF: 1697.1/48

In: -76.328+/-0.674 χ^2/NDF:1077.0/44

Out: -70.548+/-0.645 χ^2/NDF:1657.9/51

All: -73.312+/-0.466 χ^2/NDF: 2773.4/96

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.394+/-0.063 χ^2/NDF: 294637.4/21

Left Out: 121.356+/-0.040 χ^2/NDF:481977.3/24

Right Out: 96.336+/-0.055 χ^2/NDF: 538646.3/26

Left In: 126.653+/-0.041 χ^2/NDF:163046.1/22

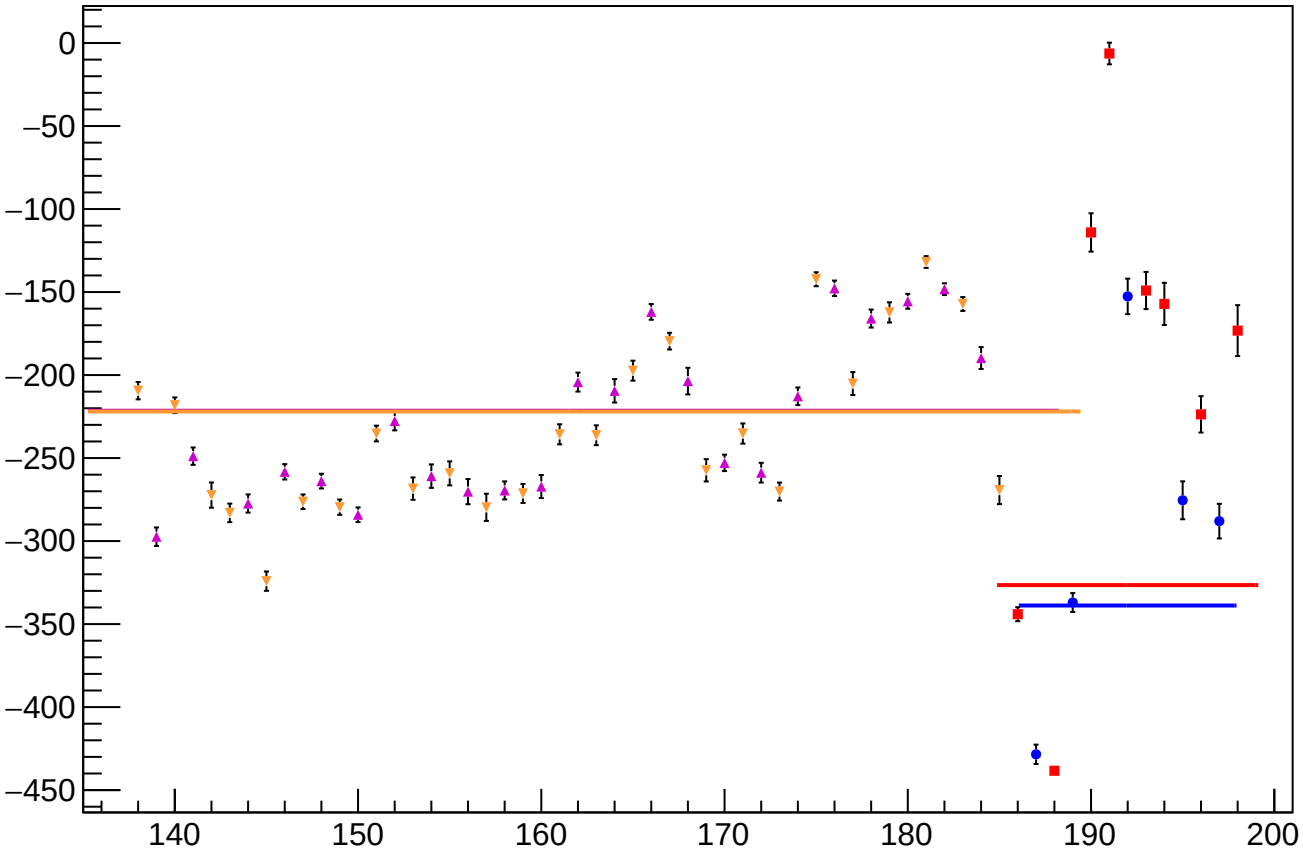
Left: 123.954+/-0.029 χ^2/NDF: 653496.6/47

Right: 101.507+/-0.041 χ^2/NDF: 854250.6/48

In: 121.198+/-0.034 χ^2/NDF:516713.9/44

Out: 112.518+/-0.032 χ^2/NDF:1156755.0/51

All: 116.600+/-0.024 χ^2/NDF: 1707200.5/96



Right In: -338.811+/-3.413 χ^2/NDF: 593.6/4

Left Out: -221.934+/-1.084 χ^2/NDF:2578.4/24

Right Out: -326.517+/-2.119 χ^2/NDF: 4743.6/7

Left In: -221.483+/-1.102 χ^2/NDF:2149.8/22

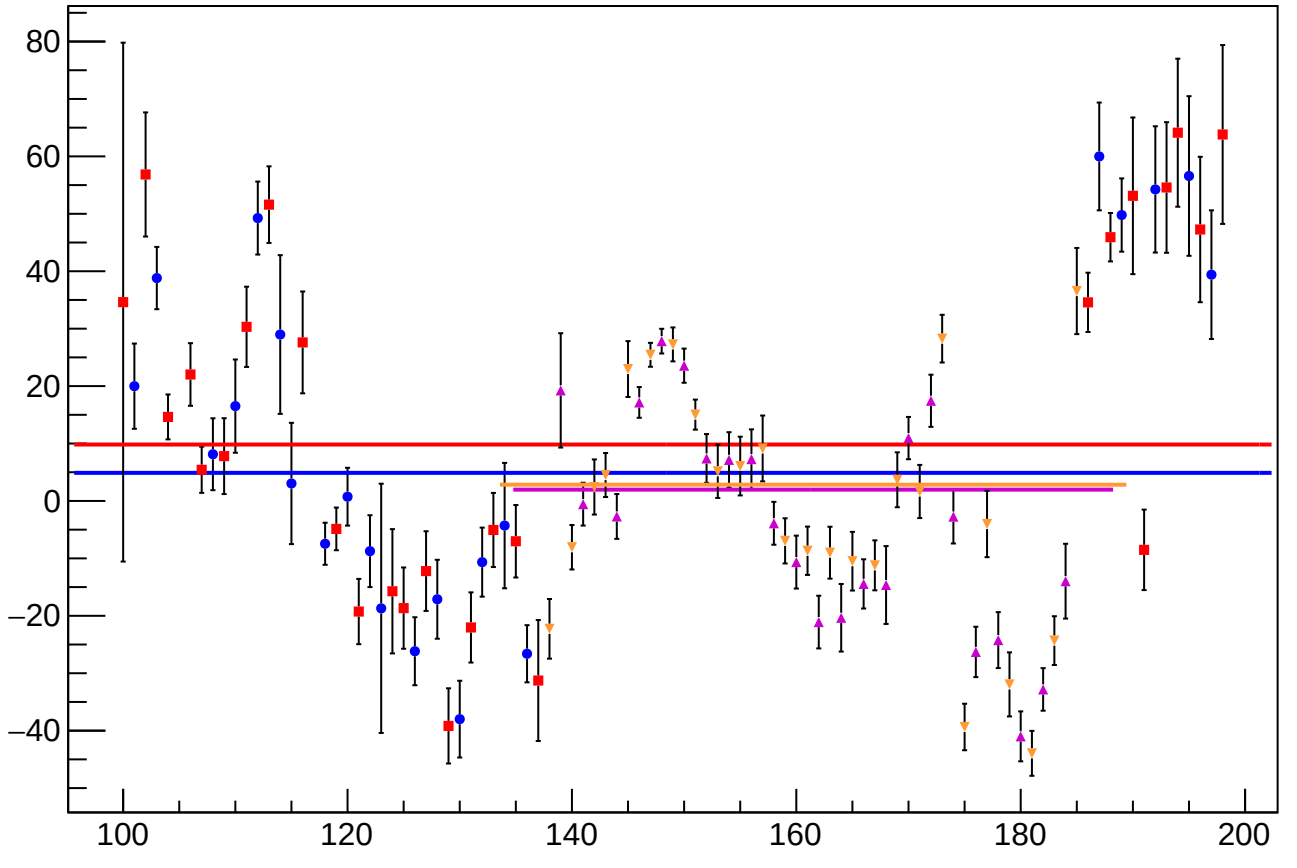
Left: -221.712+/-0.773 χ^2/NDF: 4728.2/47

Right: -329.936+/-1.800 χ^2/NDF: 5346.6/12

In: -232.564+/-1.049 χ^2/NDF:3813.5/27

Out: -243.648+/-0.965 χ^2/NDF:9253.0/32

All: -238.565+/-0.710 χ^2/NDF: 13127.0/60



Right In: 4.893+/-1.444 χ^2/NDF: 369.3/21

Left Out: 2.832+/-0.807 χ^2/NDF:686.9/24

Right Out: 9.823+/-1.237 χ^2/NDF: 430.7/26

Left In: 1.969+/-0.835 χ^2/NDF:589.1/22

Left: 2.415+/-0.580 χ^2/NDF: 1276.5/47

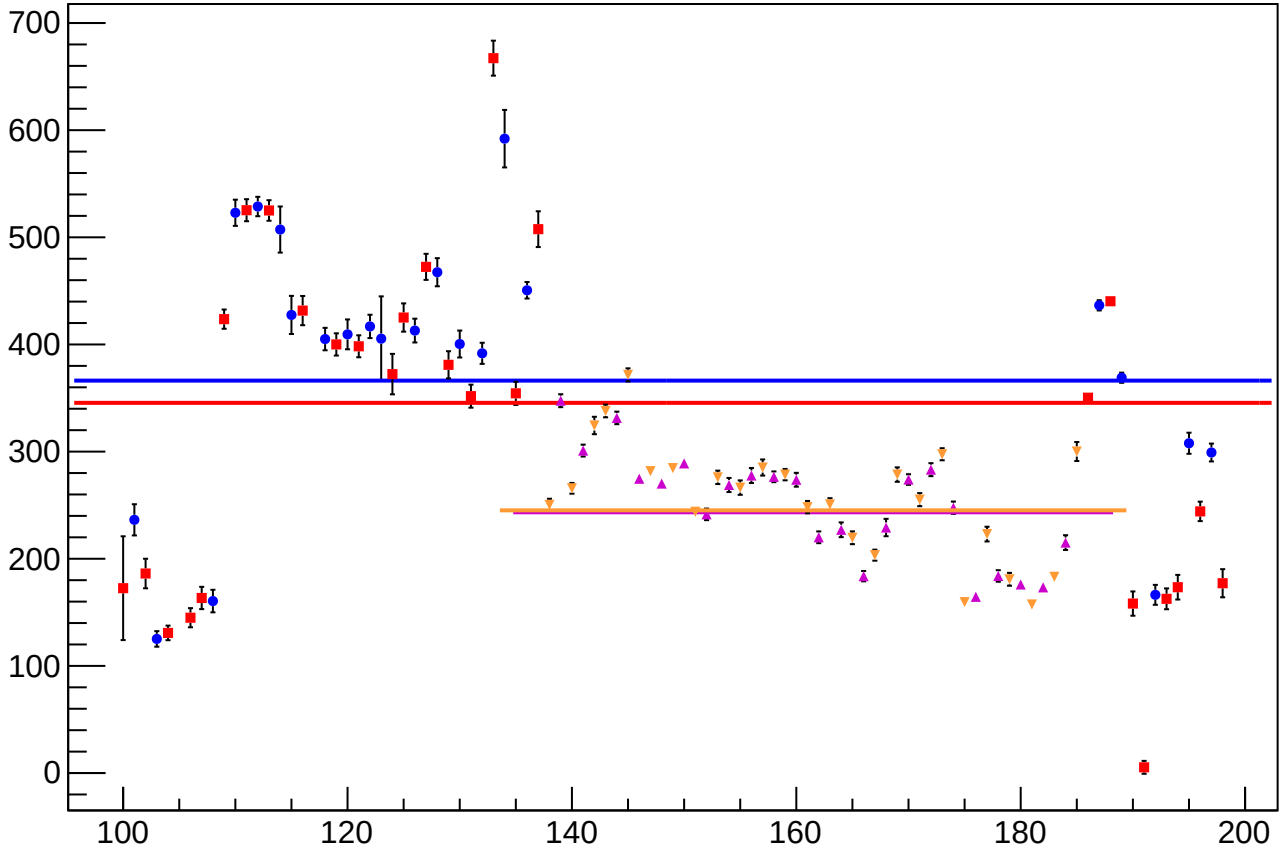
Right: 7.736+/-0.940 χ^2/NDF: 806.8/48

In: 2.701+/-0.723 χ^2/NDF:961.5/44

Out: 4.918+/-0.676 χ^2/NDF:1140.0/51

All: 3.884+/-0.494 χ^2/NDF: 2106.5/96

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 366.266+/-1.987 χ^2/NDF: 3211.1/21

Left Out: 245.179+/-1.082 χ^2/NDF:2597.4/24

Right Out: 345.510+/-1.443 χ^2/NDF: 9241.4/26

Left In: 243.366+/-1.094 χ^2/NDF:2236.7/22

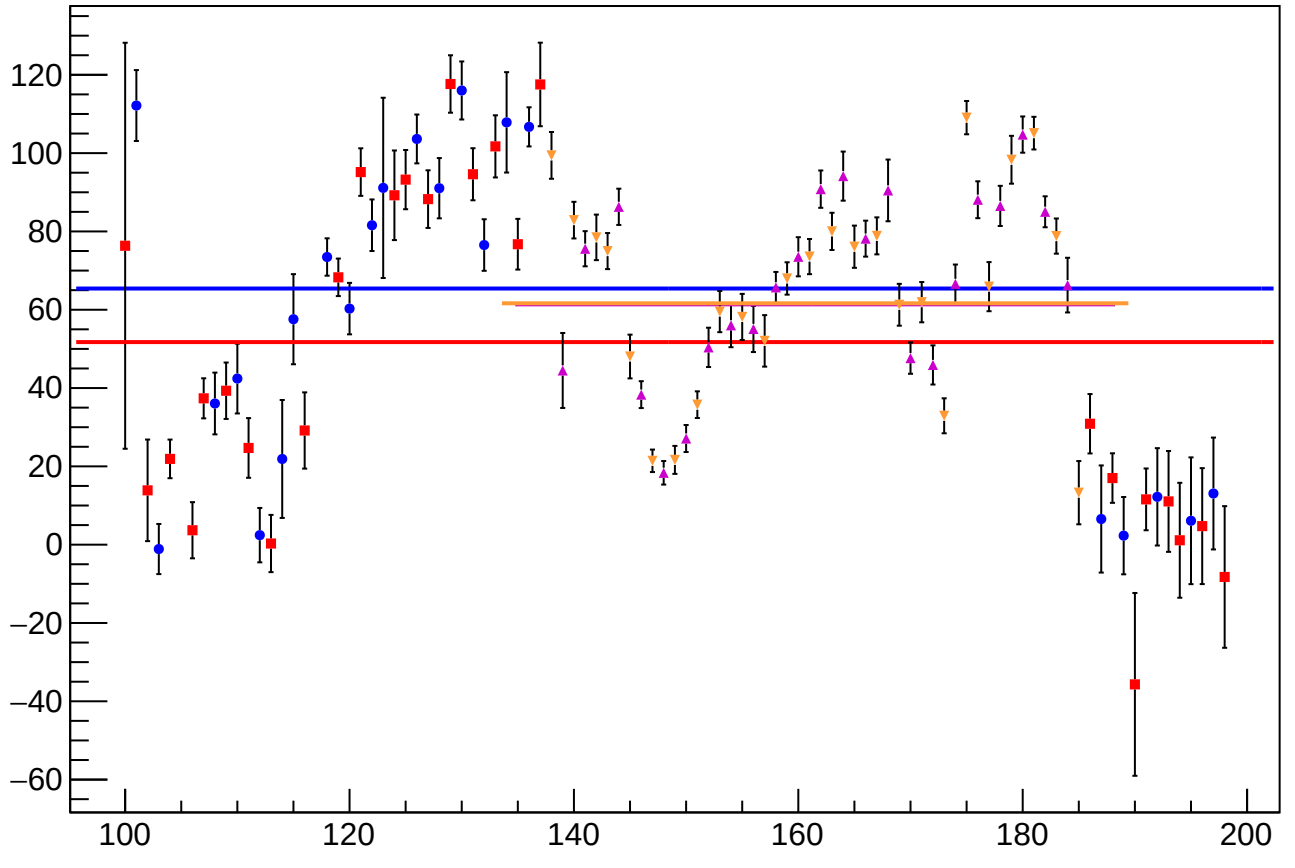
Left: 244.282+/-0.769 χ^2/NDF: 4835.5/47

Right: 352.677+/-1.168 χ^2/NDF: 12524.0/48

In: 271.934+/-0.958 χ^2/NDF:8383.3/44

Out: 281.281+/-0.866 χ^2/NDF:14932.6/51

All: 277.080+/-0.642 χ^2/NDF: 23368.4/96



Right In: 65.418+/-1.689 χ^2/NDF: 538.6/21

Left Out: 61.647+/-0.936 χ^2/NDF:871.5/24

Right Out: 51.740+/-1.485 χ^2/NDF: 632.7/26

Left In: 61.375+/-0.961 χ^2/NDF:699.7/22

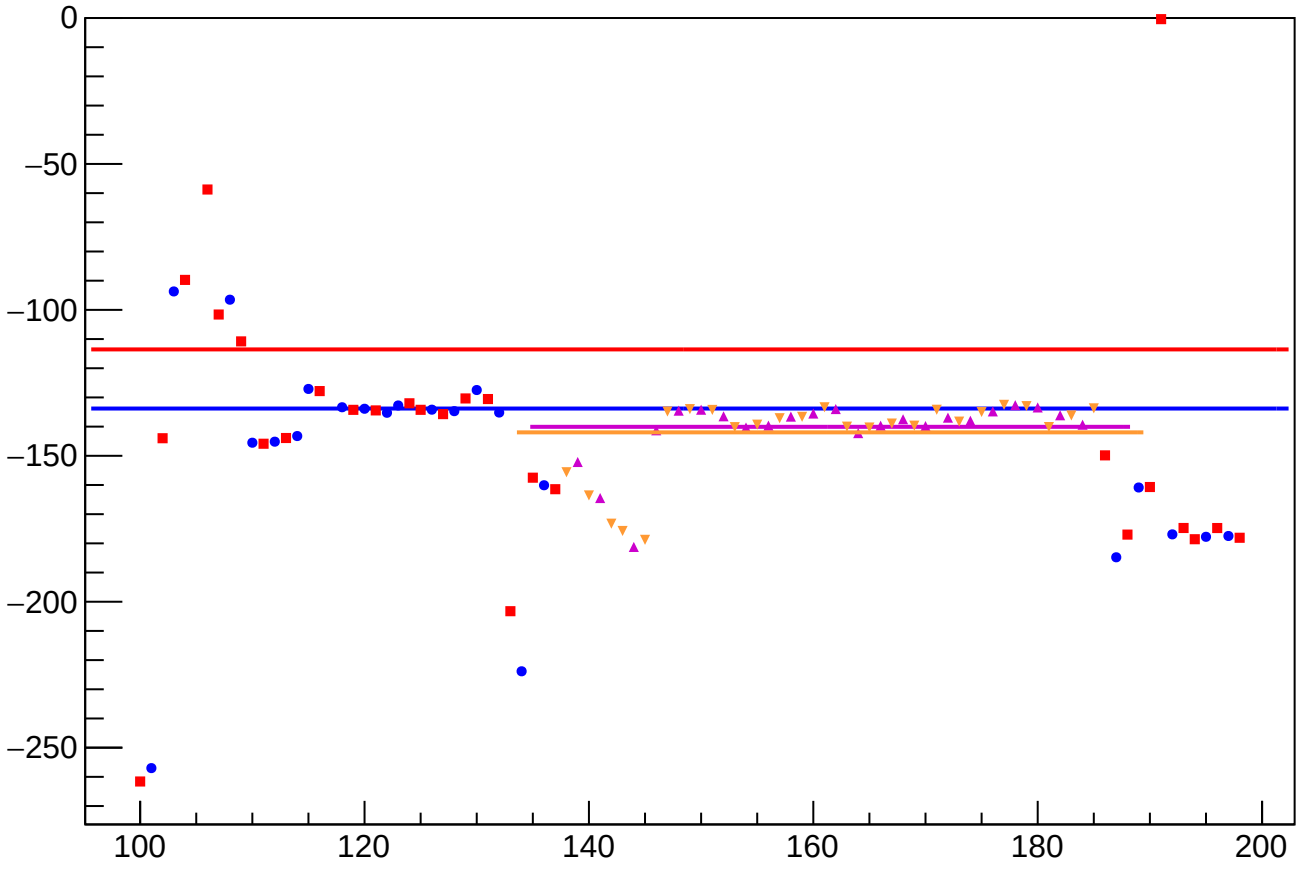
Left: 61.515+/-0.671 χ^2/NDF: 1571.3/47

Right: 57.705+/-1.115 χ^2/NDF: 1208.3/48

In: 62.364+/-0.835 χ^2/NDF:1242.6/44

Out: 58.830+/-0.792 χ^2/NDF:1536.1/51

All: 60.503+/-0.575 χ^2/NDF: 2788.2/96



Right In: -133.805+/-0.083 χ^2/NDF: 207825.3/21

Left Out: -141.969+/-0.045 χ^2/NDF:80252.6/24

Right Out: -113.547+/-0.071 χ^2/NDF: 565380.9/26

Left In: -140.068+/-0.045 χ^2/NDF:48030.7/22

Left: -141.025+/-0.032 χ^2/NDF: 129181.1/47

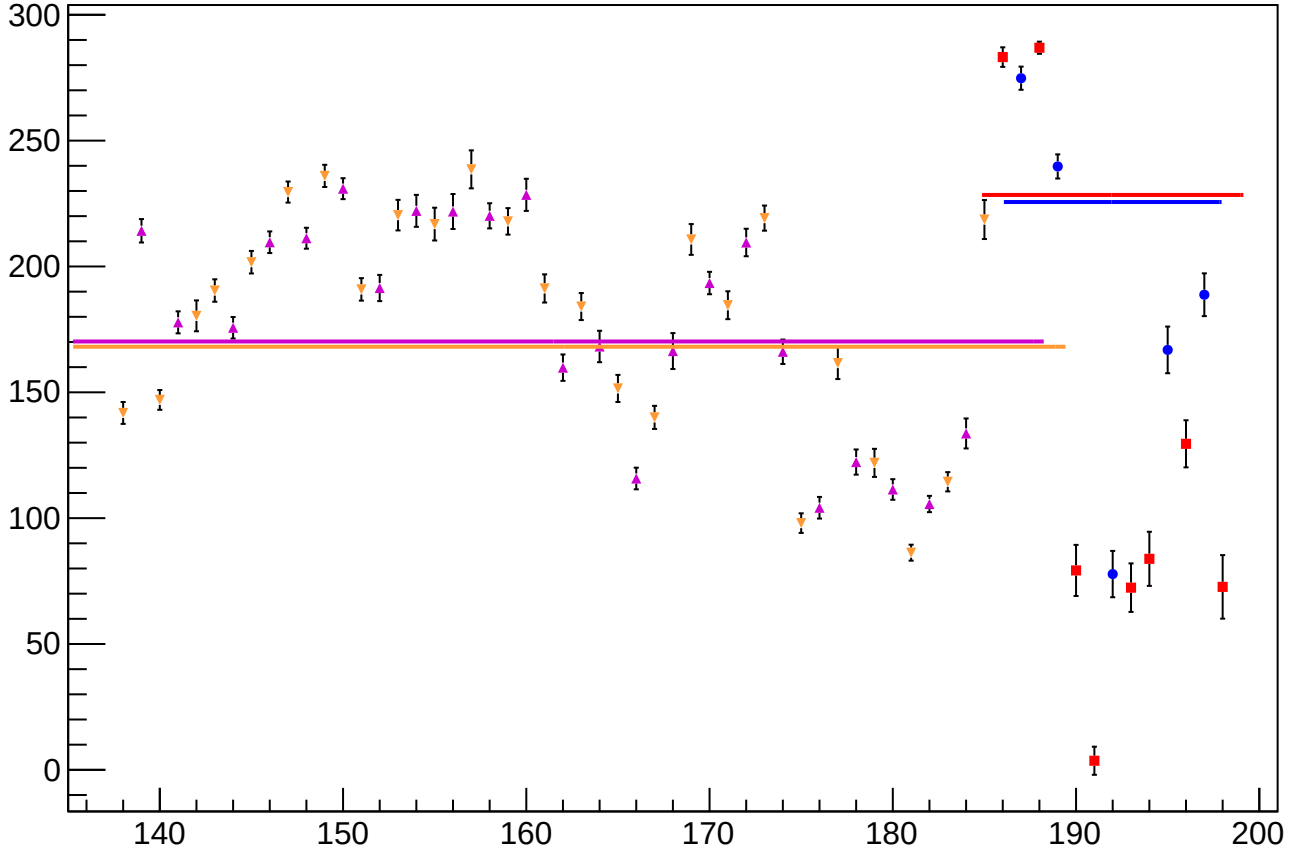
Right: -122.034+/-0.054 χ^2/NDF: 807670.1/48

In: -138.650+/-0.040 χ^2/NDF:260241.4/44

Out: -133.840+/-0.038 χ^2/NDF:761254.4/51

All: -136.133+/-0.027 χ^2/NDF: 1029224.1/96

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 225.605+/-2.796 χ^2/NDF: 439.6/4

Left Out: 168.106+/-0.970 χ^2/NDF:2468.8/24

Right Out: 228.421+/-1.776 χ^2/NDF: 3331.0/7

Left In: 170.198+/-0.995 χ^2/NDF:2024.5/22

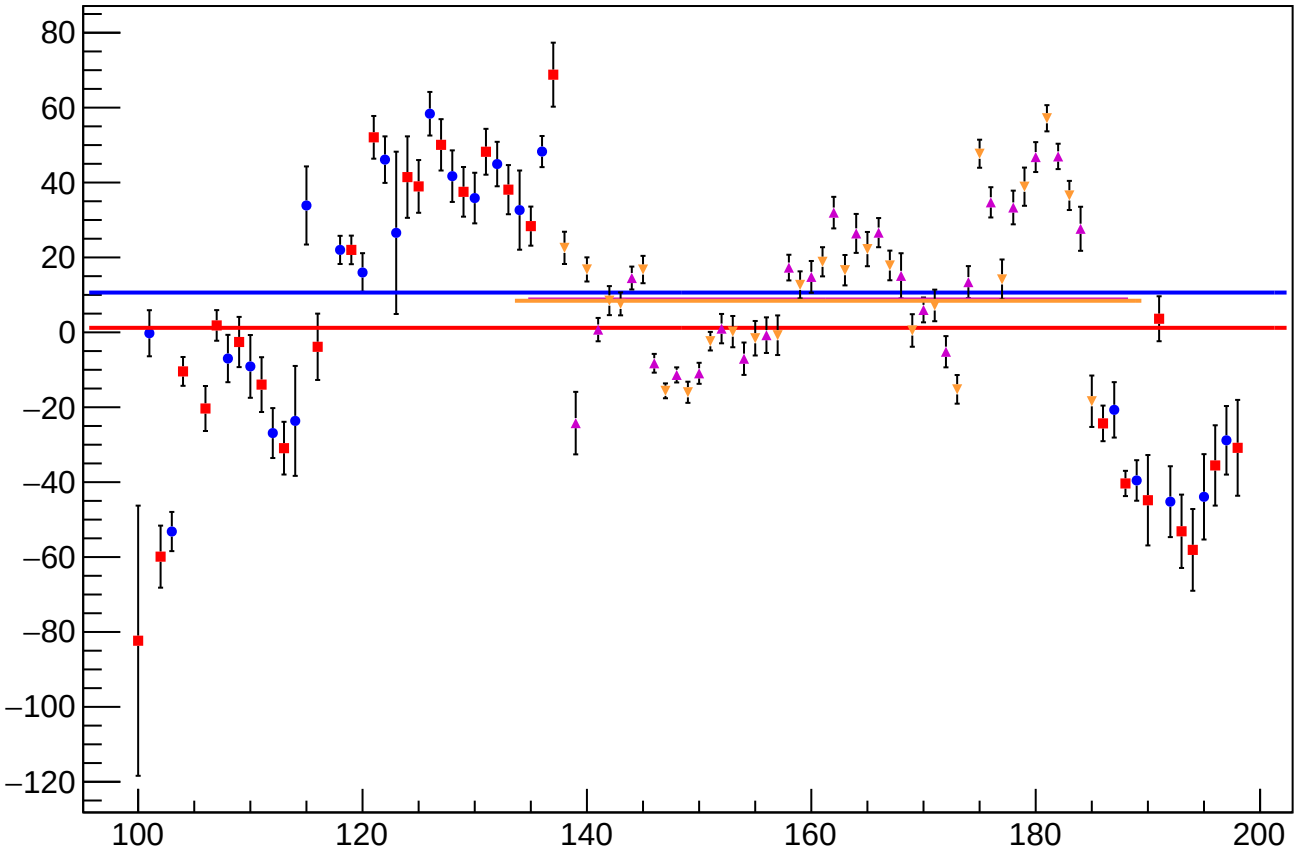
Left: 169.125+/-0.695 χ^2/NDF: 4495.5/47

Right: 227.612+/-1.499 χ^2/NDF: 3771.3/12

In: 176.430+/-0.938 χ^2/NDF:2812.6/27

Out: 181.975+/-0.851 χ^2/NDF:6688.4/32

All: 179.470+/-0.630 χ^2/NDF: 9520.2/60



Right In: 10.625+/-1.379 χ^2/NDF: 652.3/21

Left Out: 8.436+/-0.728 χ^2/NDF:752.0/24

Right Out: 1.206+/-1.181 χ^2/NDF: 794.0/26

Left In: 8.769+/-0.758 χ^2/NDF:626.8/22

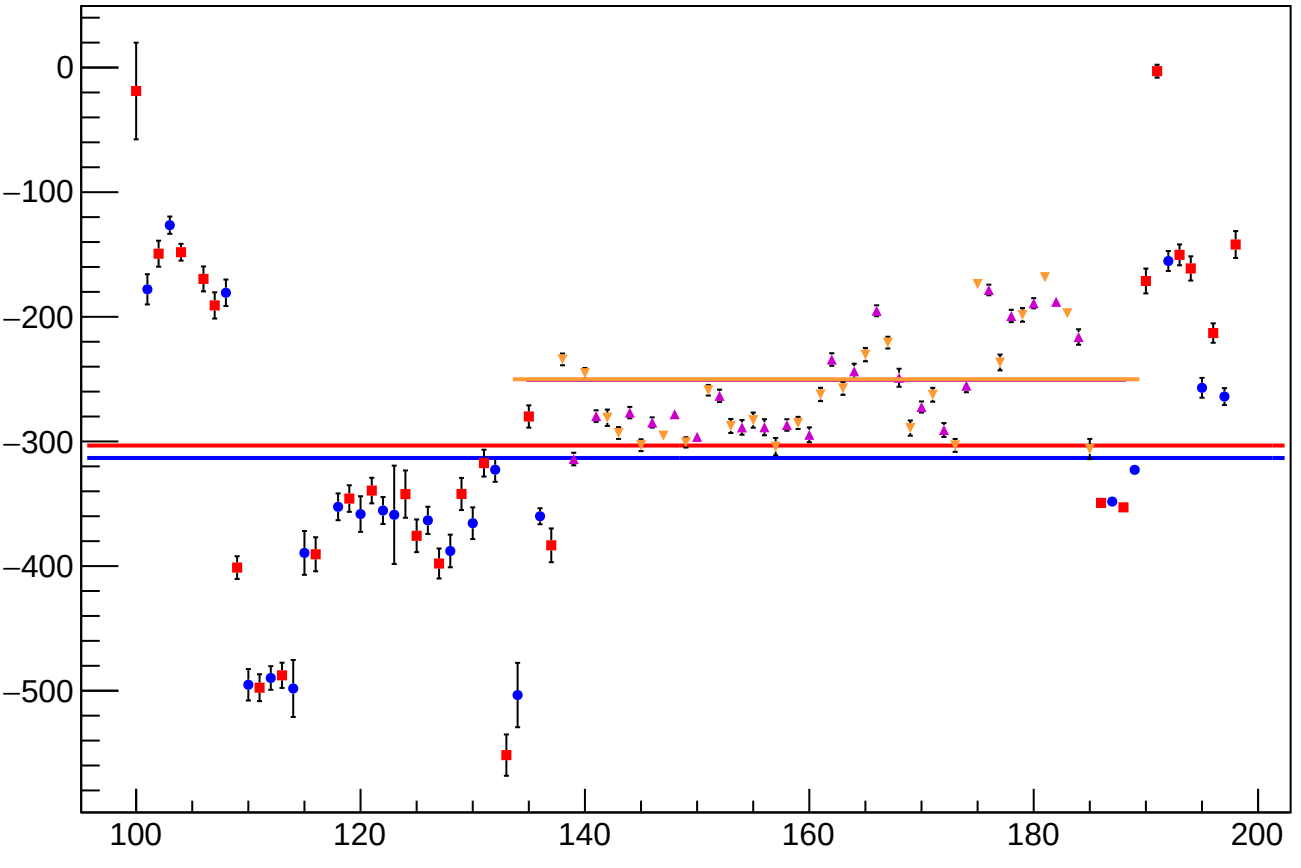
Left: 8.596+/-0.525 χ^2/NDF: 1379.0/47

Right: 5.191+/-0.897 χ^2/NDF: 1473.2/48

In: 9.200+/-0.664 χ^2/NDF:1280.5/44

Out: 6.445+/-0.620 χ^2/NDF:1573.2/51

All: 7.726+/-0.453 χ^2/NDF: 2862.9/96



Right In: -313.254+/-1.754 χ^2/NDF: 2444.6/21

Left Out: -250.119+/-0.972 χ^2/NDF:2246.9/24

Right Out: -303.280+/-1.265 χ^2/NDF: 7637.4/26

Left In: -250.628+/-0.990 χ^2/NDF:1937.1/22

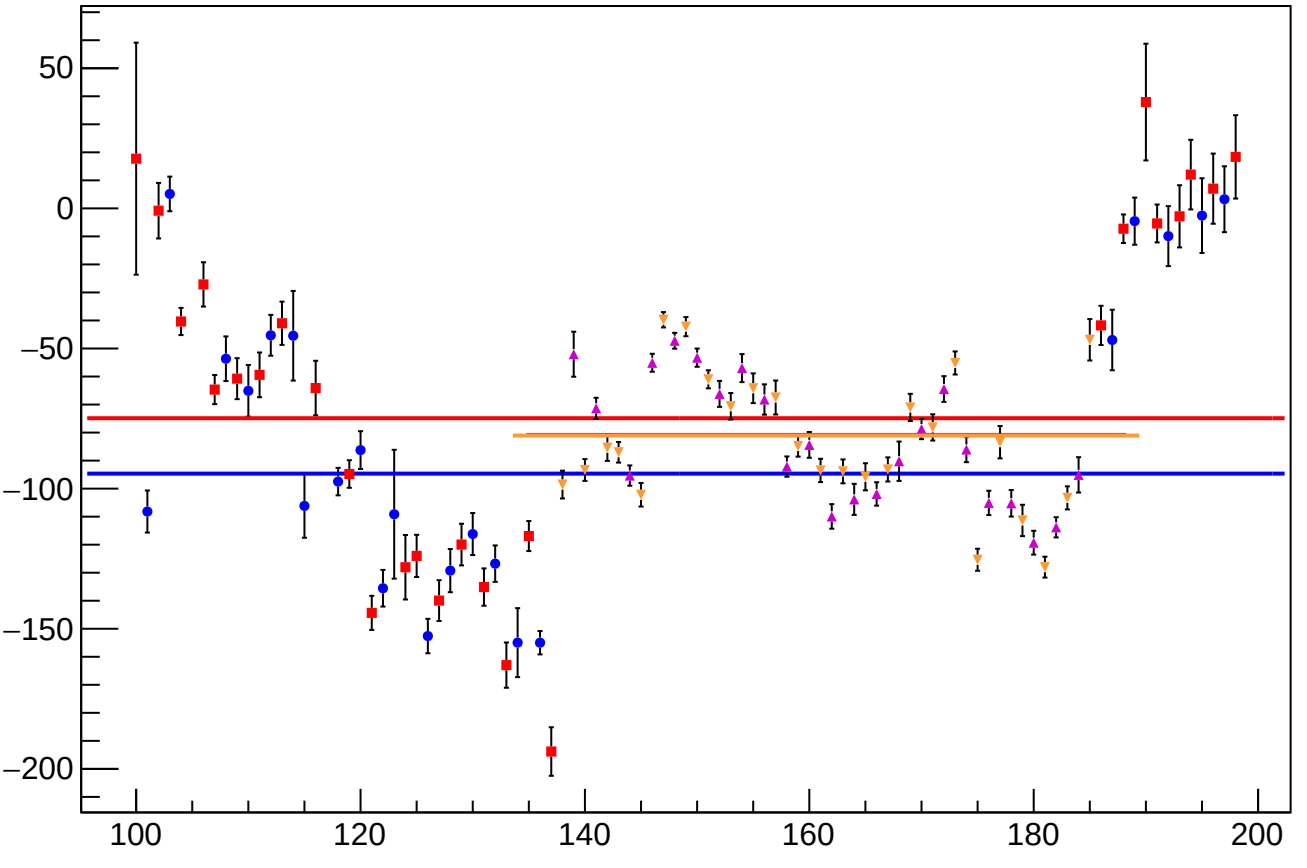
Left: -250.369+/-0.694 χ^2/NDF: 4184.2/47

Right: -306.691+/-1.026 χ^2/NDF: 10103.3/48

In: -265.766+/-0.862 χ^2/NDF:5348.3/44

Out: -269.870+/-0.771 χ^2/NDF:10995.1/51

All: -268.048+/-0.575 χ^2/NDF: 16355.9/96



Right In: -94.641+/-1.614 χ^2/NDF: 1087.7/21

Left Out: -81.057+/-0.843 χ^2/NDF:913.0/24

Right Out: -74.872+/-1.424 χ^2/NDF: 1465.8/26

Left In: -80.834+/-0.872 χ^2/NDF:693.1/22

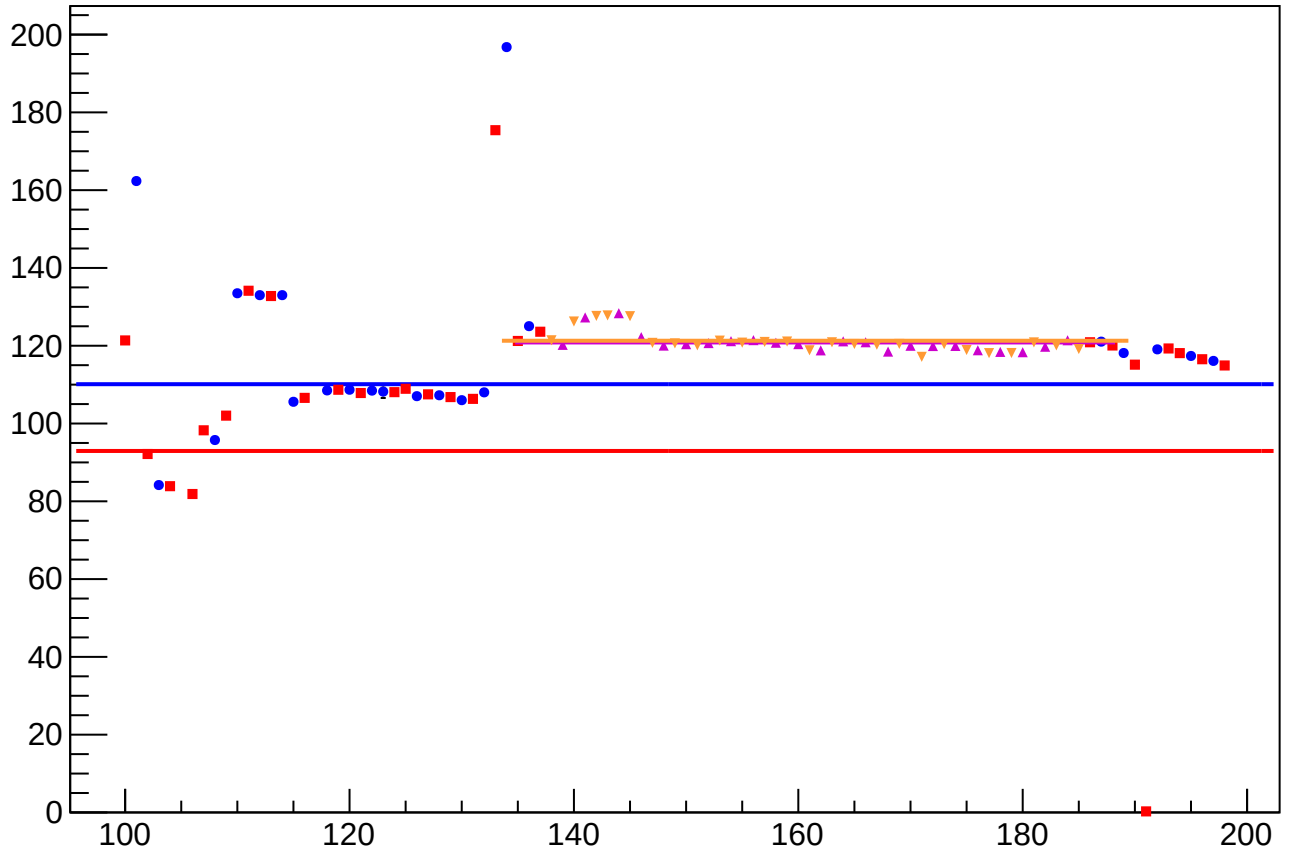
Left: -80.949+/-0.606 χ^2/NDF: 1606.2/47

Right: -83.524+/-1.067 χ^2/NDF: 2637.9/48

In: -83.954+/-0.767 χ^2/NDF:1837.5/44

Out: -79.451+/-0.725 χ^2/NDF:2392.8/51

All: -81.577+/-0.527 χ^2/NDF: 4248.5/96



Right In: 110.112+/-0.077 χ^2/NDF: 75541.5/21

Left Out: 121.283+/-0.040 χ^2/NDF:4939.3/24

Right Out: 92.944+/-0.065 χ^2/NDF: 348322.5/26

Left In: 120.843+/-0.041 χ^2/NDF:3368.2/22

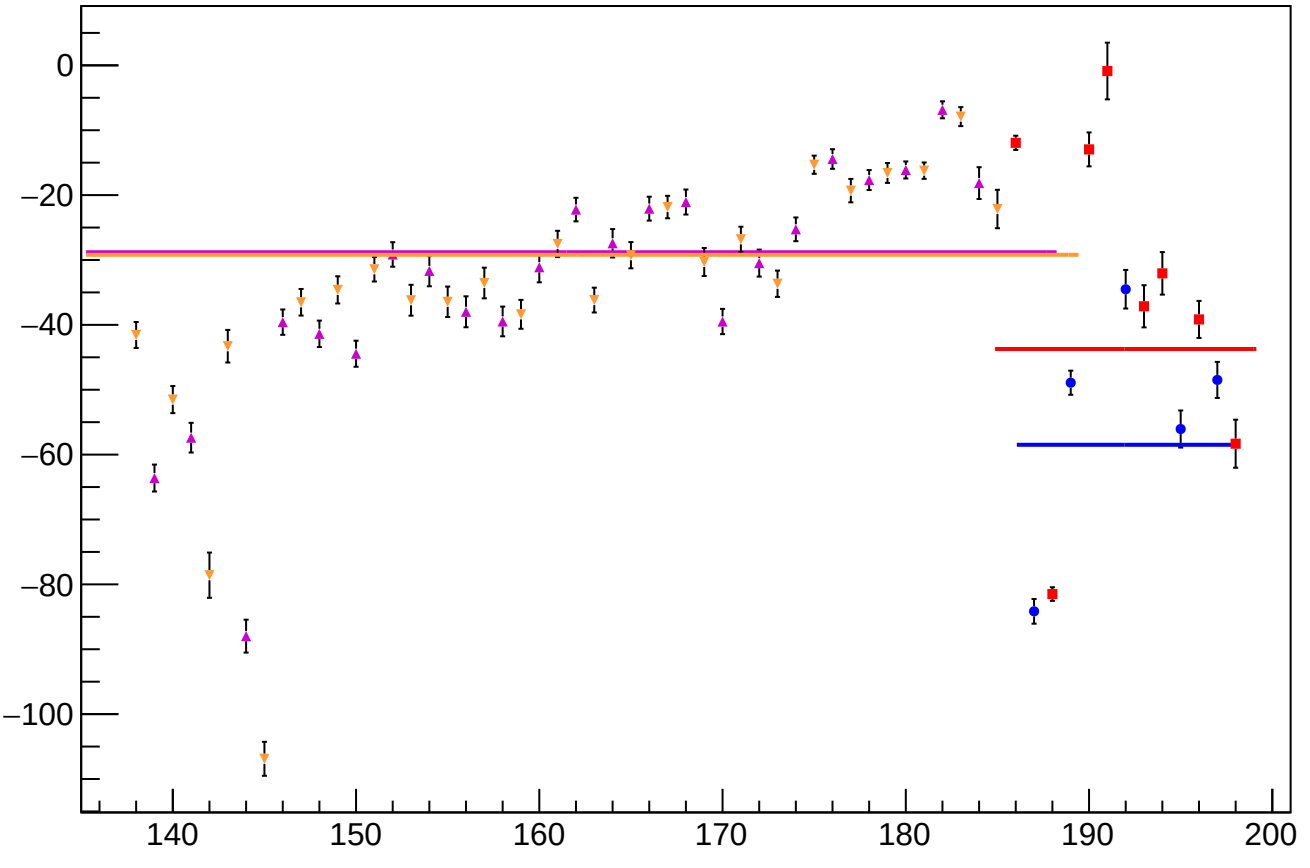
Left: 121.066+/-0.029 χ^2/NDF: 8366.9/47

Right: 100.092+/-0.050 χ^2/NDF: 452555.1/48

In: 118.520+/-0.036 χ^2/NDF:93961.2/44

Out: 113.539+/-0.034 χ^2/NDF:489719.3/51

All: 115.900+/-0.025 χ^2/NDF: 593740.9/96



Right In: -58.485+/-1.037 χ^2/NDF: 286.5/4

Left Out: -29.199+/-0.389 χ^2/NDF:1881.5/24

Right Out: -43.717+/-0.657 χ^2/NDF: 2403.2/7

Left In: -28.810+/-0.395 χ^2/NDF:1763.8/22

Left: -29.008+/-0.277 χ^2/NDF: 3645.8/47

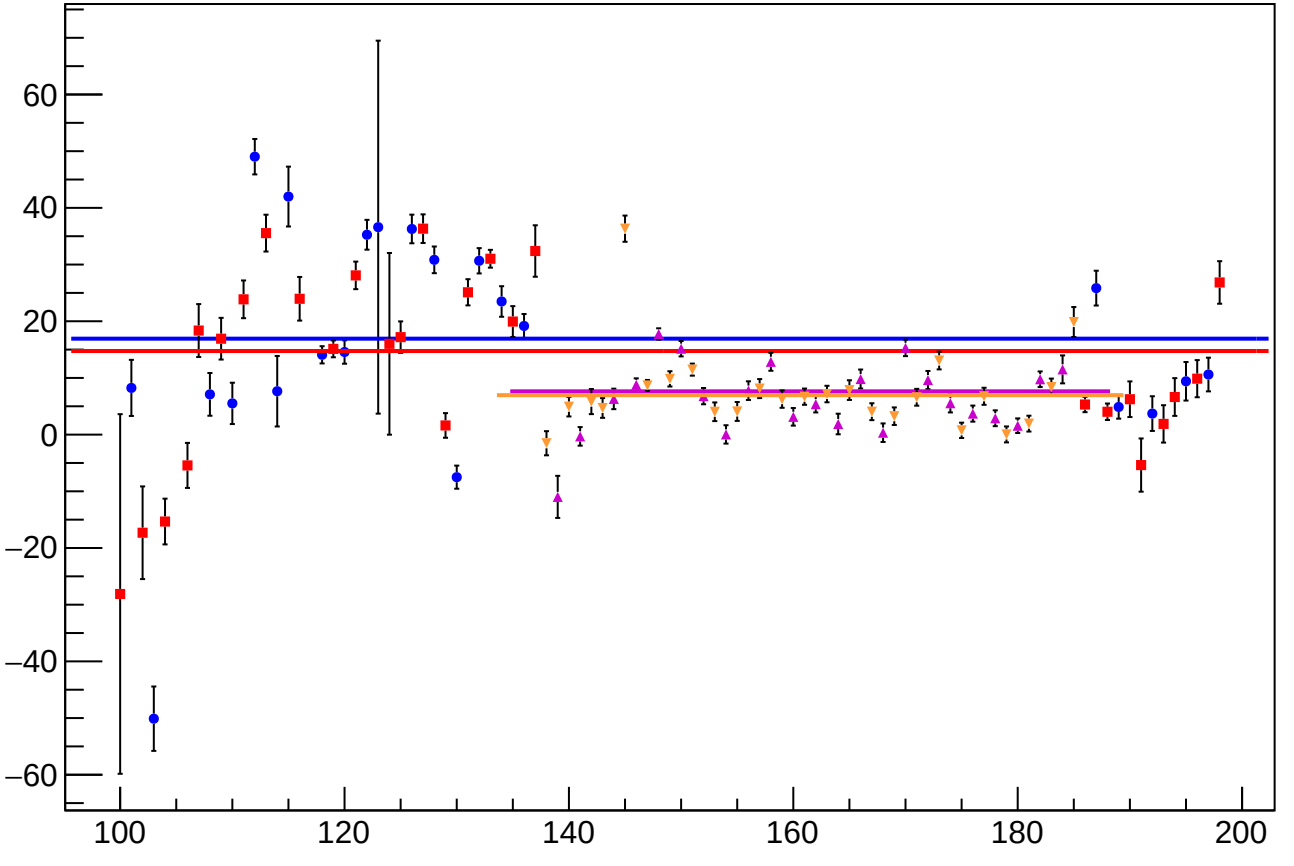
Right: -47.942+/-0.555 χ^2/NDF: 2834.4/12

In: -32.574+/-0.369 χ^2/NDF:2765.1/27

Out: -32.965+/-0.334 χ^2/NDF:4646.8/32

All: -32.789+/-0.248 χ^2/NDF: 7412.5/60

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.928+/-0.579 χ^2/NDF: 696.1/21

Left Out: 6.960+/-0.303 χ^2/NDF:321.3/24

Right Out: 14.750+/-0.504 χ^2/NDF: 603.3/26

Left In: 7.638+/-0.313 χ^2/NDF:337.7/22

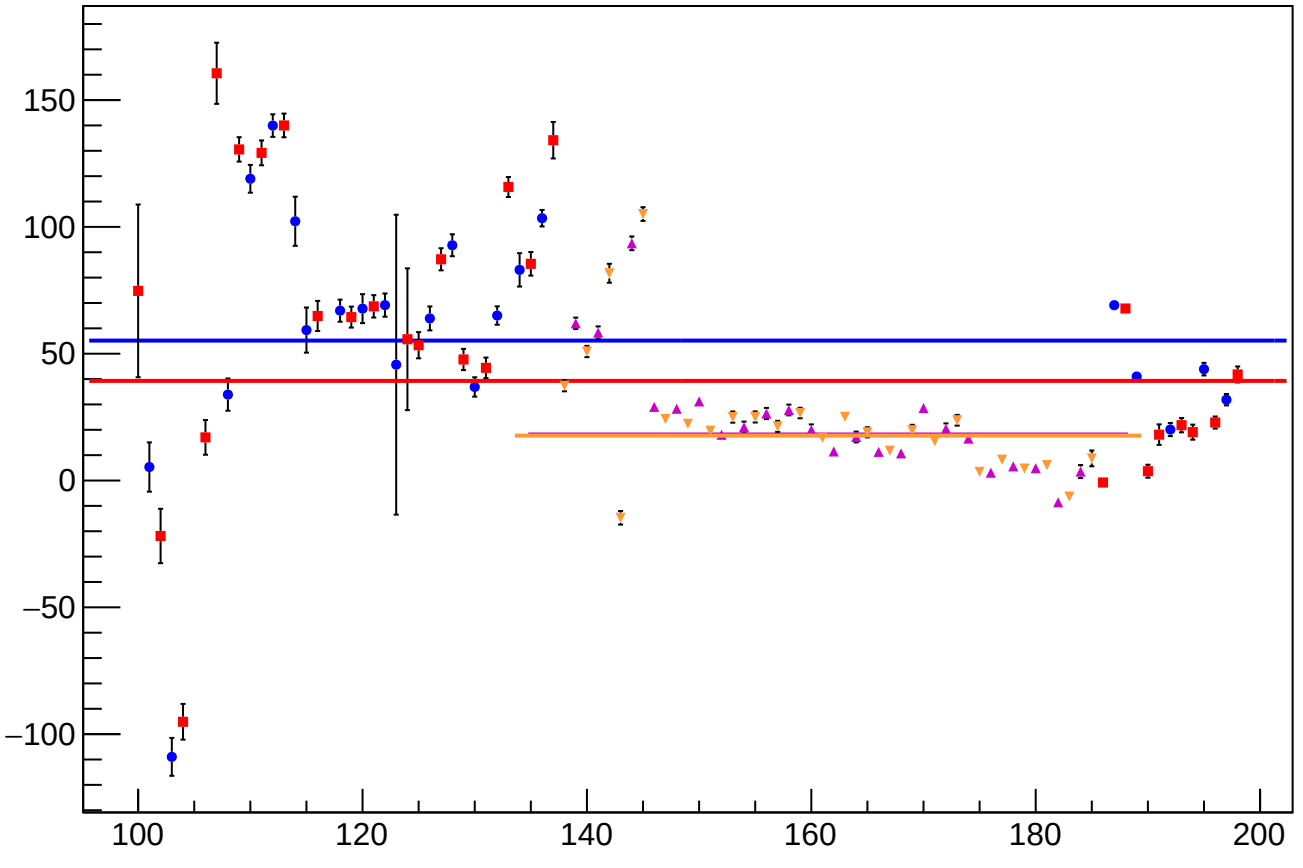
Left: 7.287+/-0.218 χ^2/NDF: 661.5/47

Right: 15.690+/-0.380 χ^2/NDF: 1307.5/48

In: 9.746+/-0.276 χ^2/NDF:1233.1/44

Out: 9.026+/-0.260 χ^2/NDF:1100.0/51

All: 9.364+/-0.189 χ^2/NDF: 2336.6/96



Right In: 55.171+/-0.712 χ^2/NDF: 1884.6/21

Left Out: 17.705+/-0.387 χ^2/NDF:2432.2/24

Right Out: 39.278+/-0.494 χ^2/NDF: 6127.9/26

Left In: 18.150+/-0.393 χ^2/NDF:2339.4/22

Left: 17.924+/-0.276 χ^2/NDF: 4772.2/47

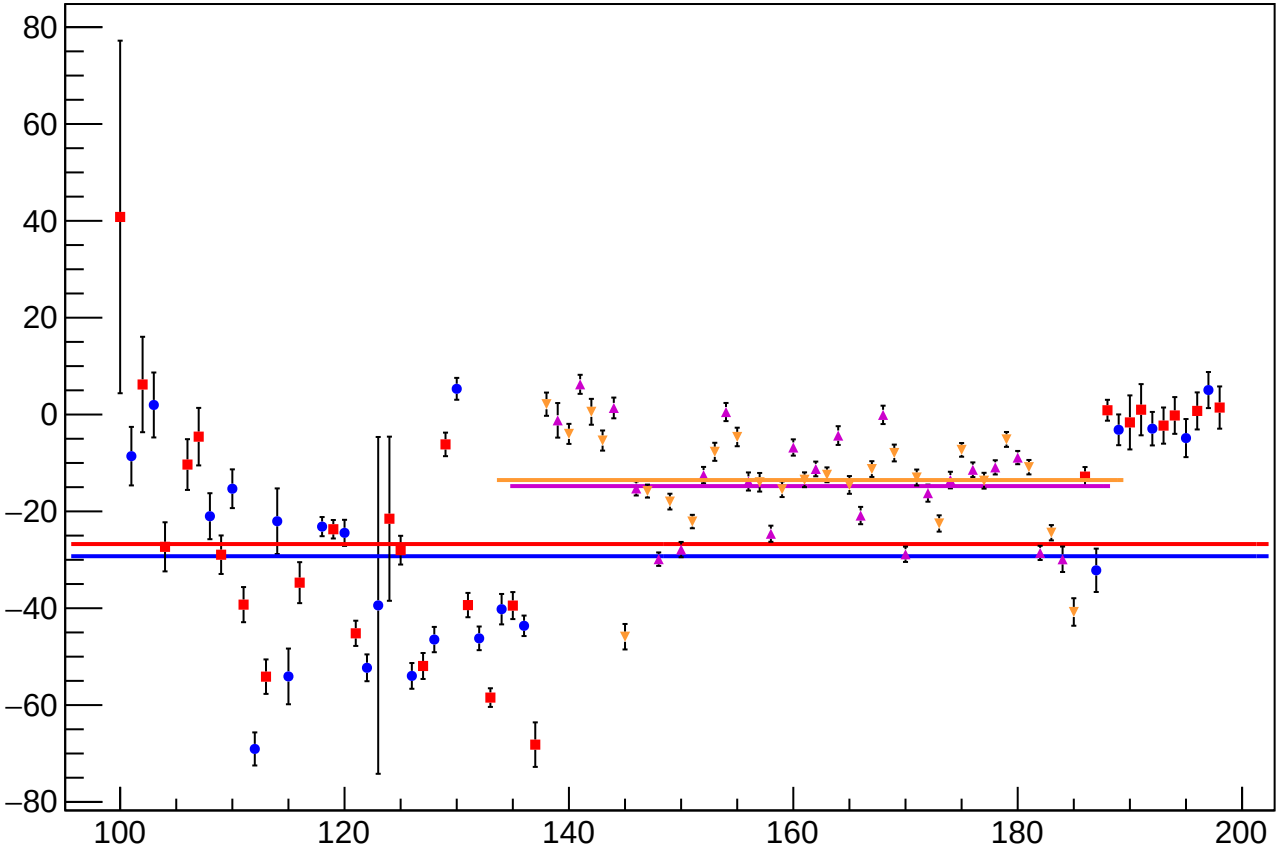
Right: 44.450+/-0.406 χ^2/NDF: 8348.9/48

In: 26.788+/-0.344 χ^2/NDF:6298.8/44

Out: 25.910+/-0.305 χ^2/NDF:9740.6/51

All: 26.297+/-0.228 χ^2/NDF: 16043.1/96

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -29.258+/-0.680 χ^2/NDF: 1006.1/21

Left Out: -13.531+/-0.344 χ^2/NDF:572.8/24

Right Out: -26.747+/-0.615 χ^2/NDF: 1170.8/26

Left In: -14.778+/-0.354 χ^2/NDF:838.0/22

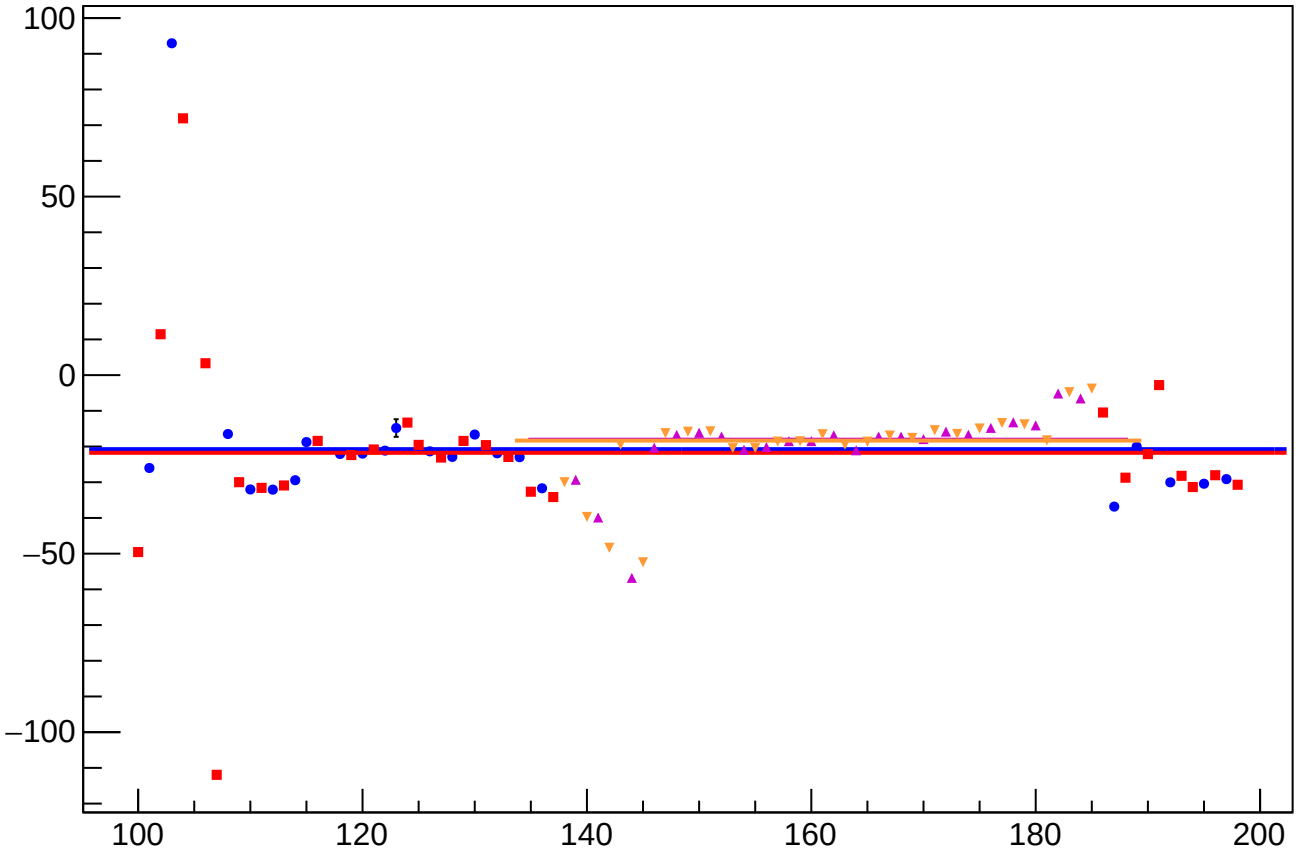
Left: -14.136+/-0.247 χ^2/NDF: 1417.2/47

Right: -27.878+/-0.456 χ^2/NDF: 2184.4/48

In: -17.870+/-0.314 χ^2/NDF:2201.1/44

Out: -16.678+/-0.300 χ^2/NDF:2095.0/51

All: -17.247+/-0.217 χ^2/NDF: 4303.6/96



Right In: -20.735+/-0.036 χ^2/NDF: 506161.7/21

Left Out: -18.334+/-0.016 χ^2/NDF:284152.1/24

Right Out: -21.751+/-0.032 χ^2/NDF: 483711.4/26

Left In: -18.083+/-0.016 χ^2/NDF:241949.5/22

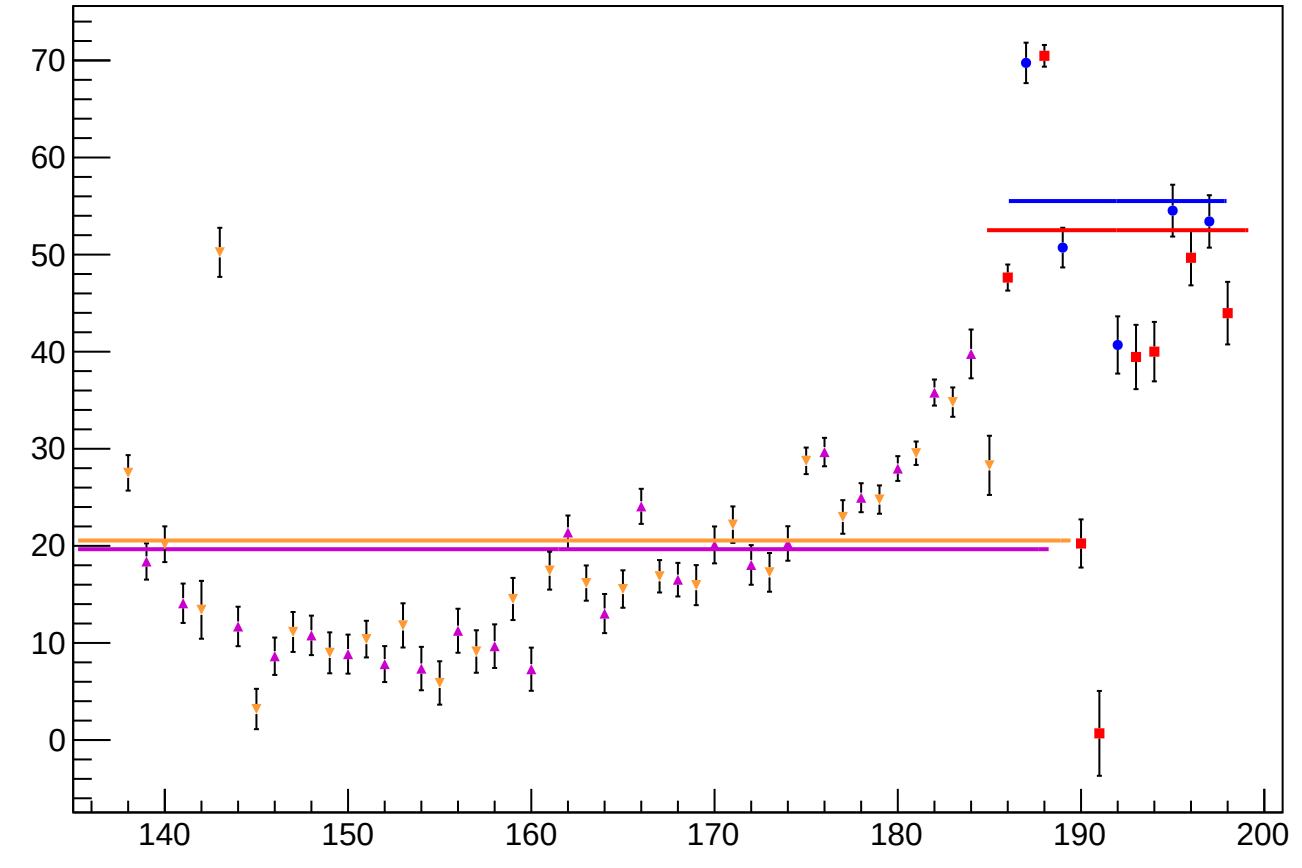
Left: -18.211+/-0.011 χ^2/NDF: 526224.9/47

Right: -21.302+/-0.024 χ^2/NDF: 990324.0/48

In: -18.530+/-0.015 χ^2/NDF:752683.4/44

Out: -19.013+/-0.014 χ^2/NDF:777104.1/51

All: -18.779+/-0.010 χ^2/NDF: 1530348.3/96



Right In: 55.516+/-1.076 χ^2/NDF: 78.2/4

Left Out: 20.550+/-0.373 χ^2/NDF:626.4/24

Right Out: 52.513+/-0.709 χ^2/NDF: 621.4/7

Left In: 19.656+/-0.380 χ^2/NDF:571.8/22

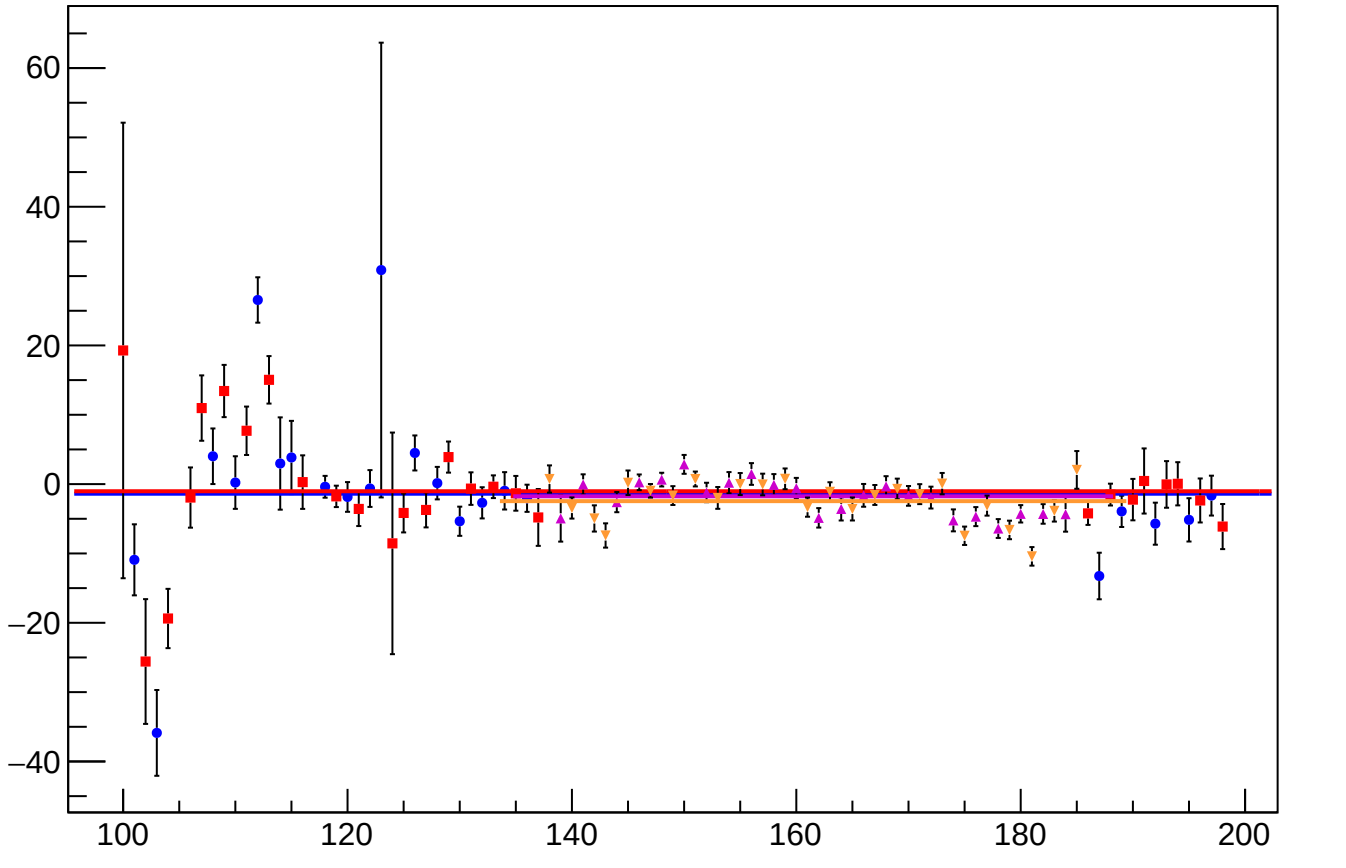
Left: 20.112+/-0.266 χ^2/NDF: 1201.0/47

Right: 53.422+/-0.592 χ^2/NDF: 705.1/12

In: 23.636+/-0.359 χ^2/NDF:1636.5/27

Out: 27.474+/-0.330 χ^2/NDF:2837.8/32

All: 25.713+/-0.243 χ^2/NDF: 4536.3/60



Right In: -1.384+/-0.588 χ^2/NDF: 139.5/21

Left Out: -2.455+/-0.292 χ^2/NDF:106.0/24

Right Out: -1.029+/-0.525 χ^2/NDF: 92.5/26

Left In: -1.758+/-0.302 χ^2/NDF:67.4/22

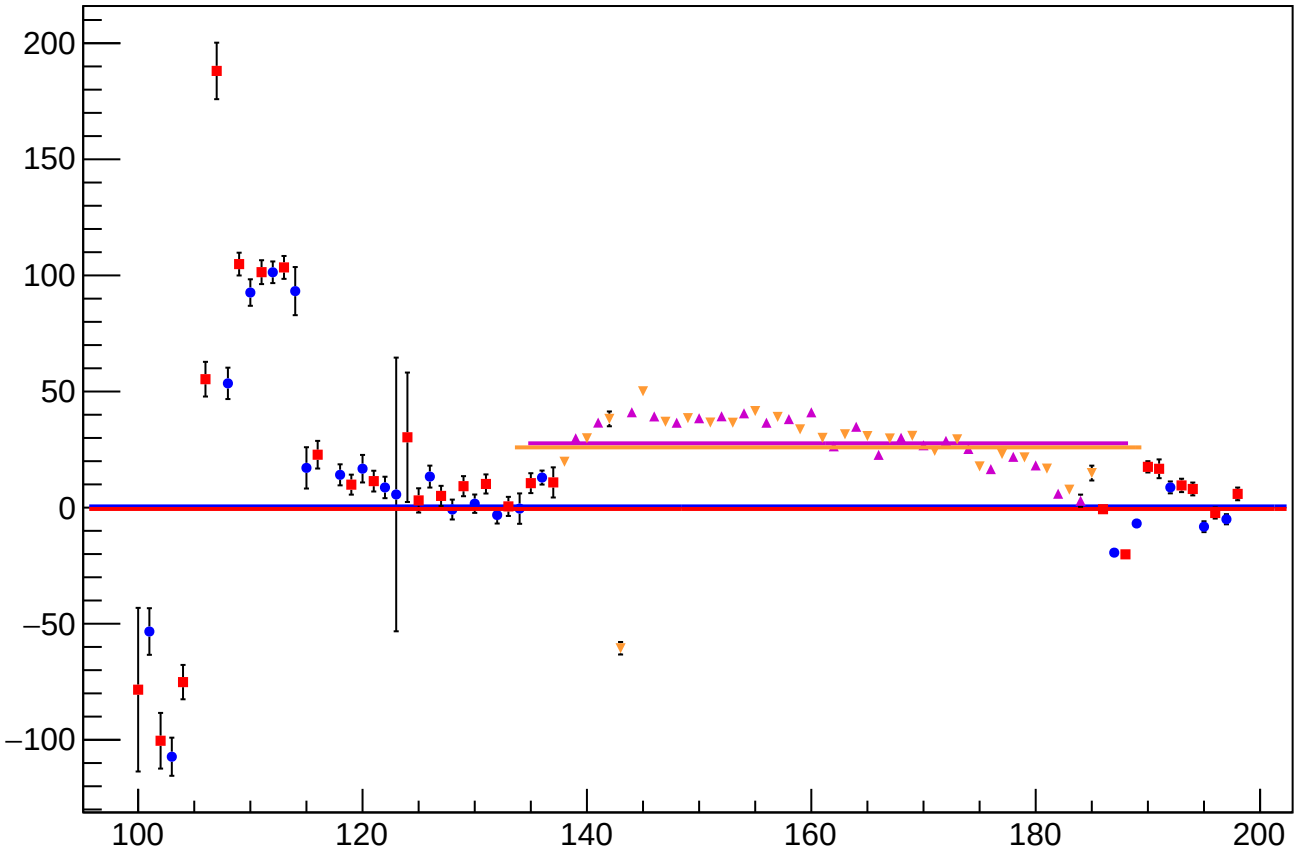
Left: -2.118+/-0.210 χ^2/NDF: 176.1/47

Right: -1.187+/-0.392 χ^2/NDF: 232.2/48

In: -1.680+/-0.269 χ^2/NDF:207.2/44

Out: -2.118+/-0.255 χ^2/NDF:204.1/51

All: -1.910+/-0.185 χ^2/NDF: 412.7/96



Right In: 0.518+/-0.734 χ^2/NDF: 1303.1/21

Left Out: 25.938+/-0.372 χ^2/NDF:1711.6/24

Right Out: -0.578+/-0.532 χ^2/NDF: 2399.2/26

Left In: 27.677+/-0.378 χ^2/NDF:803.9/22

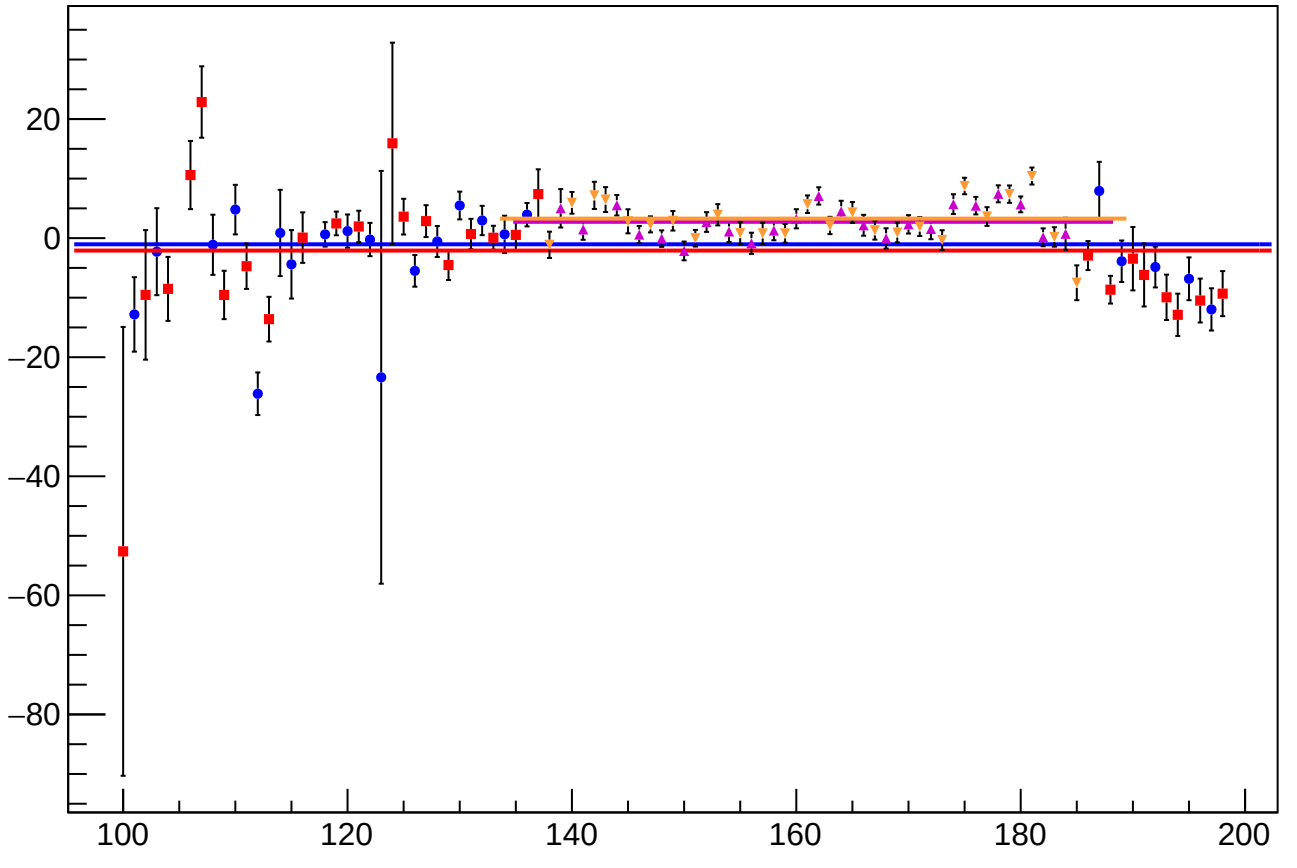
Left: 26.794+/-0.265 χ^2/NDF: 2526.2/47

Right: -0.200+/-0.431 χ^2/NDF: 3703.8/48

In: 21.983+/-0.336 χ^2/NDF:3188.1/44

Out: 17.229+/-0.305 χ^2/NDF:5776.5/51

All: 19.376+/-0.226 χ^2/NDF: 9074.2/96



Right In: -1.035+/-0.685 χ^2/NDF: 94.3/21

Left Out: 3.283+/-0.331 χ^2/NDF:102.3/24

Right Out: -2.087+/-0.633 χ^2/NDF: 95.8/26

Left In: 2.738+/-0.341 χ^2/NDF:64.5/22

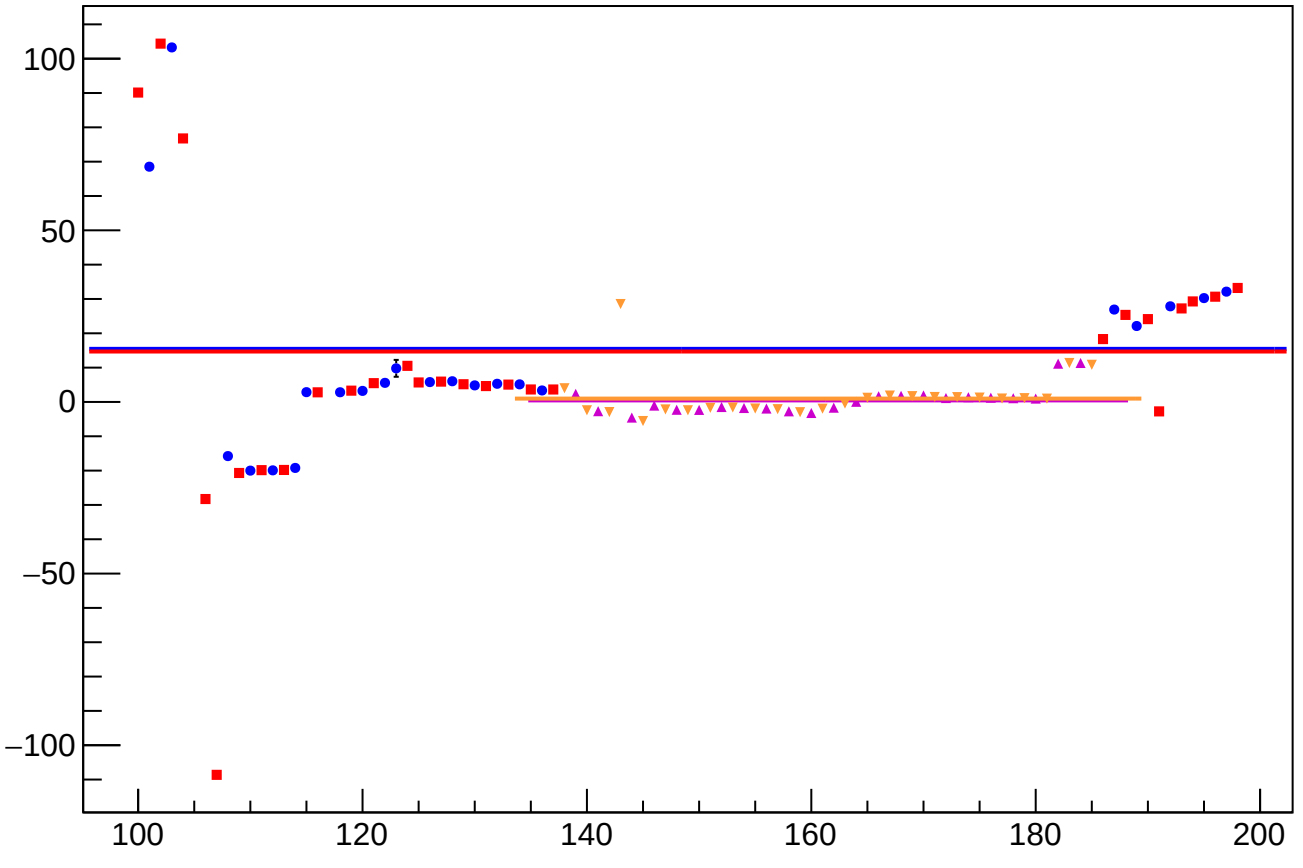
Left: 3.018+/-0.238 χ^2/NDF: 168.1/47

Right: -1.603+/-0.465 χ^2/NDF: 191.4/48

In: 1.988+/-0.305 χ^2/NDF:183.1/44

Out: 2.128+/-0.294 χ^2/NDF:254.6/51

All: 2.061+/-0.212 χ^2/NDF: 437.8/96



Right In: 15.469+/-0.035 χ^2/NDF: 443421.6/21

Left Out: 0.979+/-0.015 χ^2/NDF:117391.3/24

Right Out: 14.693+/-0.032 χ^2/NDF: 674650.3/26

Left In: 0.451+/-0.015 χ^2/NDF:50699.8/22

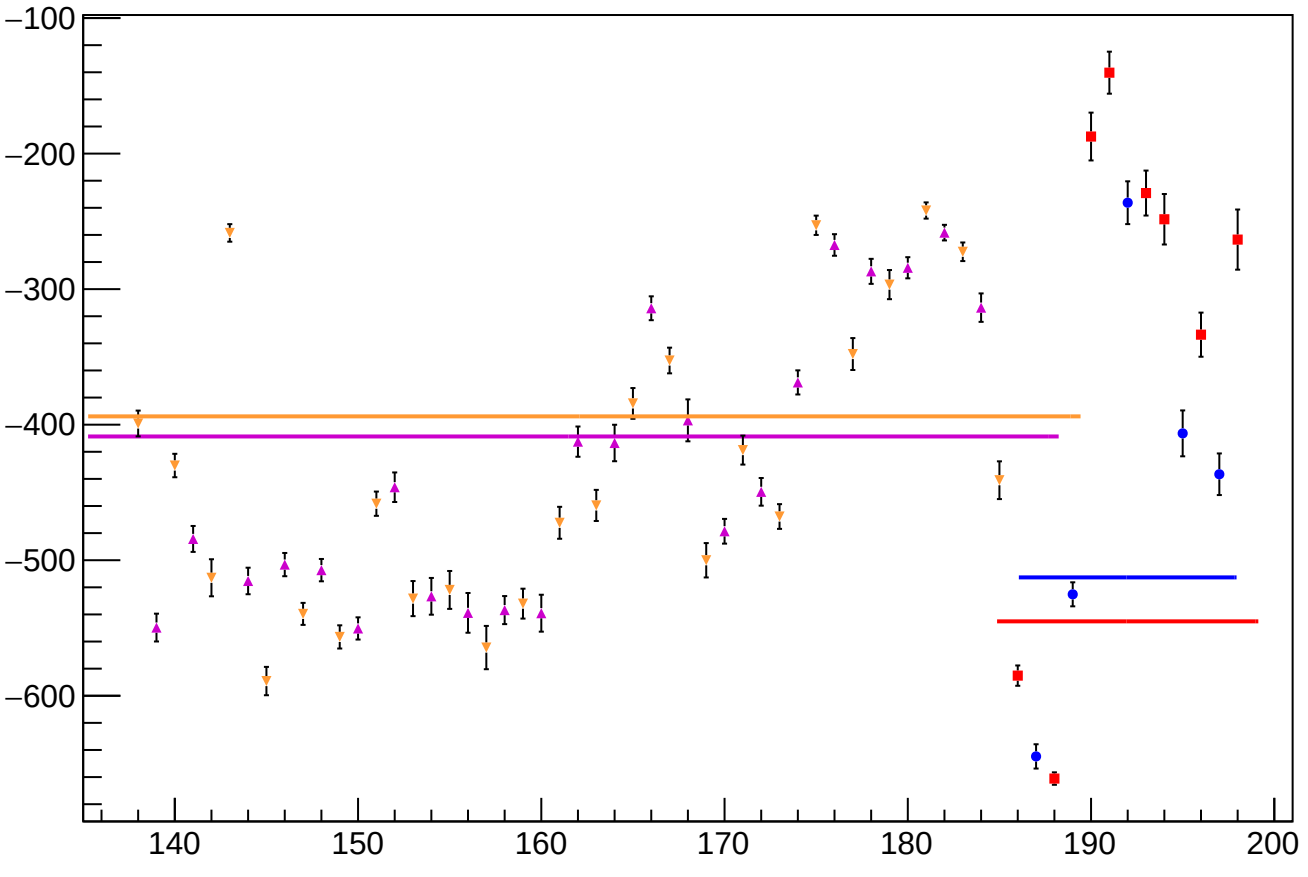
Left: 0.719+/-0.011 χ^2/NDF: 168685.3/47

Right: 15.040+/-0.024 χ^2/NDF: 1118338.2/48

In: 2.859+/-0.014 χ^2/NDF:645965.8/44

Out: 3.532+/-0.014 χ^2/NDF:943785.0/51

All: 3.206+/-0.010 χ^2/NDF: 1590920.4/96



Right In: -512.669+/-5.204 χ^2/NDF: 589.5/4

Left Out: -393.871+/-1.897 χ^2/NDF:3772.8/24

Right Out: -545.106+/-3.433 χ^2/NDF: 2705.8/7

Left In: -408.696+/-1.979 χ^2/NDF:3062.9/22

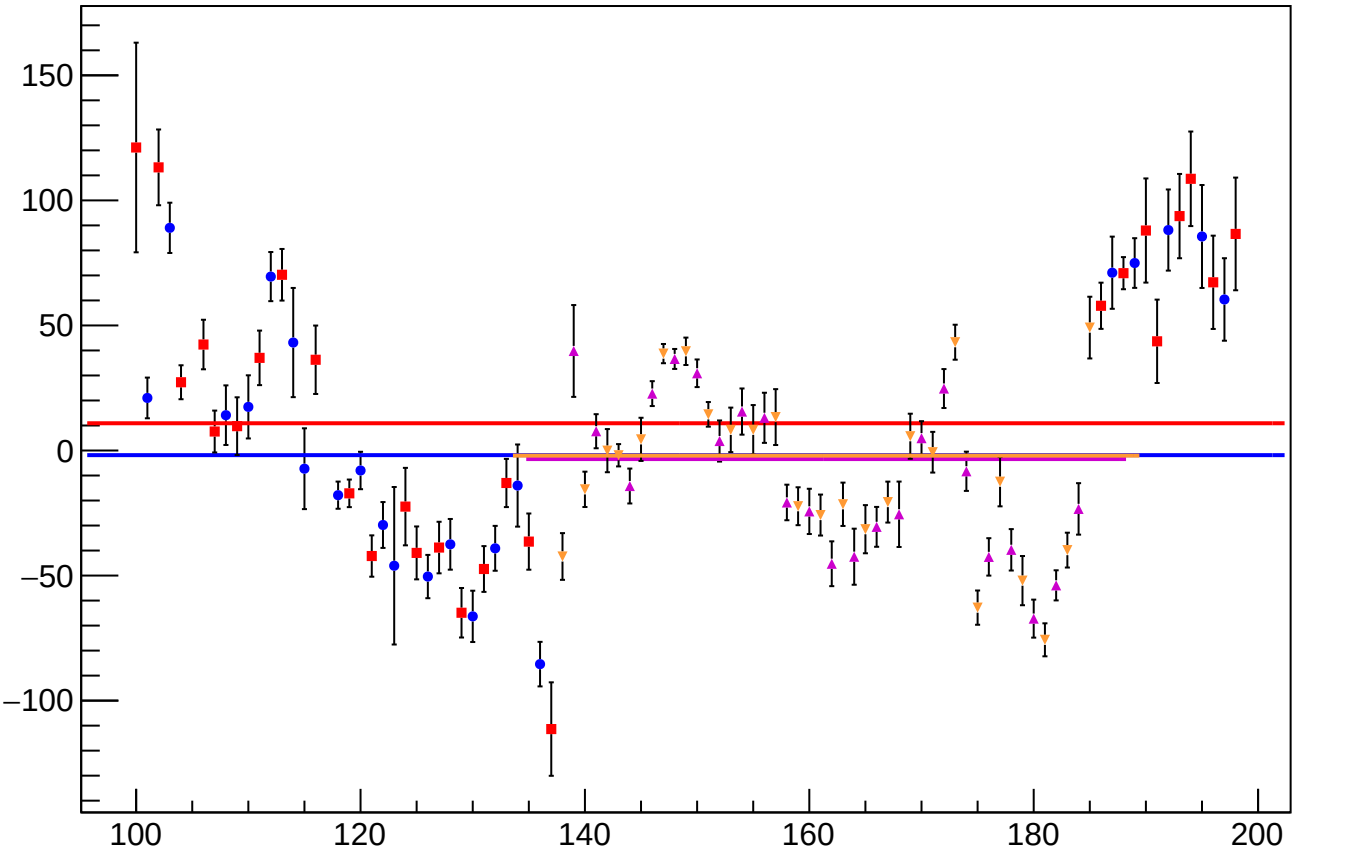
Left: -400.970+/-1.369 χ^2/NDF: 6864.9/47

Right: -535.273+/-2.865 χ^2/NDF: 3322.3/12

In: -421.831+/-1.850 χ^2/NDF:4001.1/27

Out: -429.255+/-1.660 χ^2/NDF:7965.6/32

All: -425.943+/-1.236 χ^2/NDF: 11975.6/60



Right In: -1.852+/-2.207 χ^2/NDF: 509.2/21

Left Out: -2.037+/-1.424 χ^2/NDF:563.8/24

Right Out: 10.896+/-2.006 χ^2/NDF: 597.8/26

Left In: -3.420+/-1.520 χ^2/NDF:451.0/22

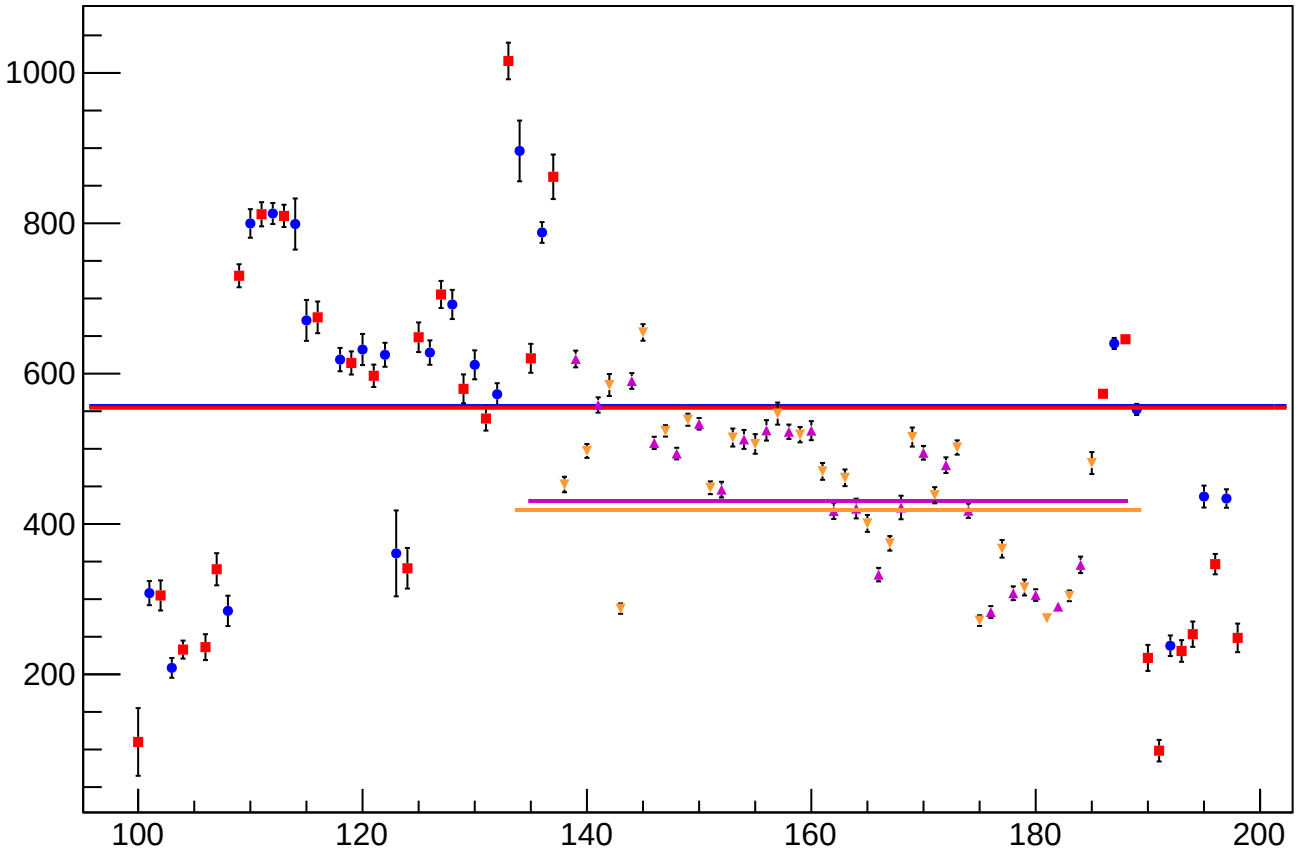
Left: -2.683+/-1.039 χ^2/NDF: 1015.2/47

Right: 5.128+/-1.484 χ^2/NDF: 1125.2/48

In: -2.915+/-1.252 χ^2/NDF:960.5/44

Out: 2.298+/-1.161 χ^2/NDF:1189.2/51

All: -0.113+/-0.851 χ^2/NDF: 2159.0/96



Right In: 556.869+/-3.073 χ^2/NDF: 3012.6/21

Left Out: 418.680+/-1.905 χ^2/NDF:3296.5/24

Right Out: 554.652+/-2.329 χ^2/NDF: 6108.4/26

Left In: 430.640+/-1.971 χ^2/NDF:2850.6/22

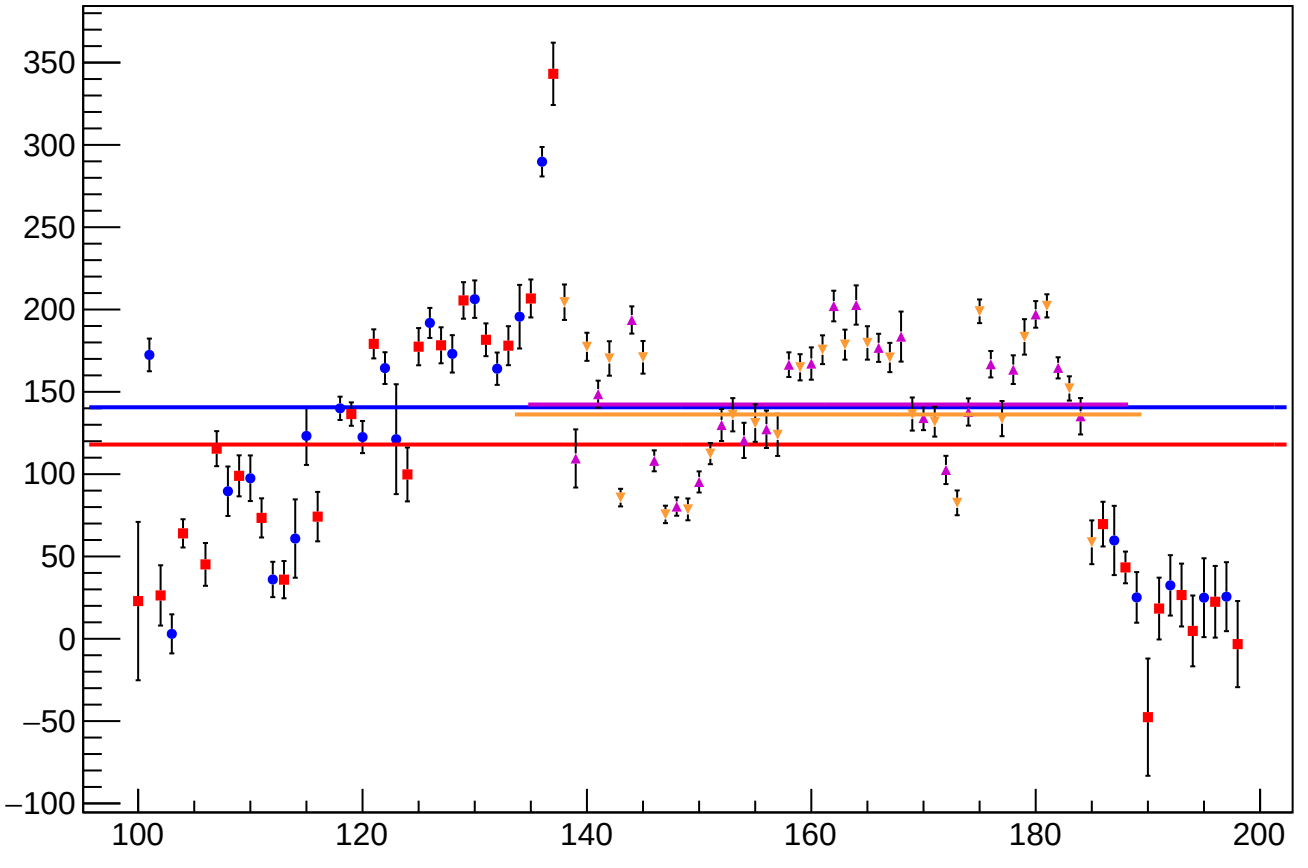
Left: 424.457+/-1.370 χ^2/NDF: 6166.1/47

Right: 555.461+/-1.856 χ^2/NDF: 9121.4/48

In: 467.431+/-1.659 χ^2/NDF:7058.9/44

Out: 473.179+/-1.475 χ^2/NDF:11447.2/51

All: 470.642+/-1.102 χ^2/NDF: 18512.8/96



Right In: 140.623+/-2.590 χ^2/NDF: 807.3/21

Left Out: 136.258+/-1.651 χ^2/NDF:758.3/24

Right Out: 117.994+/-2.397 χ^2/NDF: 834.8/26

Left In: 142.296+/-1.745 χ^2/NDF:459.8/22

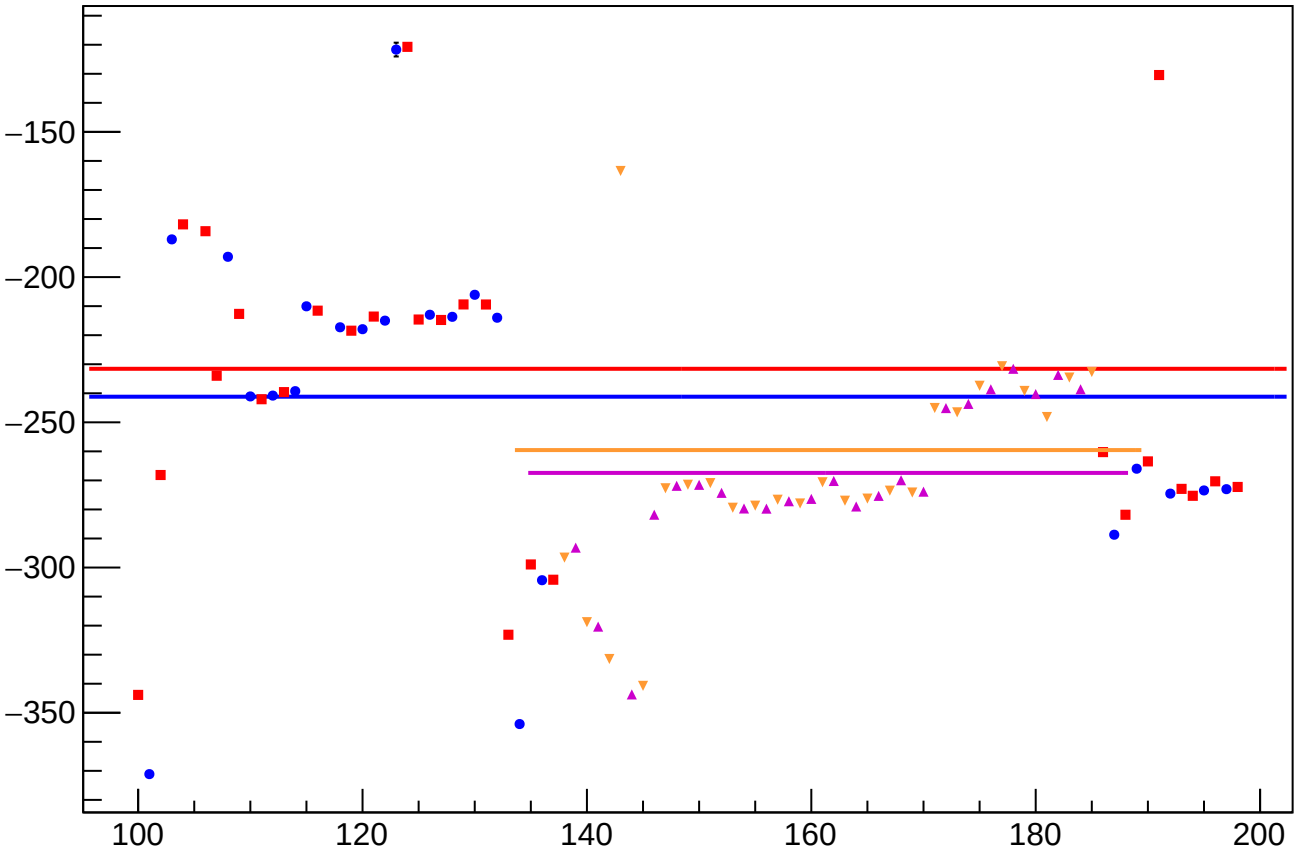
Left: 139.111+/-1.199 χ^2/NDF: 1224.4/47

Right: 128.438+/-1.759 χ^2/NDF: 1683.2/48

In: 141.774+/-1.447 χ^2/NDF:1267.3/44

Out: 130.383+/-1.360 χ^2/NDF:1632.4/51

All: 135.725+/-0.991 χ^2/NDF: 2932.7/96



Right In: -241.179+/-0.136 χ^2/NDF: 156891.3/21

Left Out: -259.557+/-0.079 χ^2/NDF:238235.2/24

Right Out: -231.569+/-0.121 χ^2/NDF: 165974.2/26

Left In: -267.417+/-0.082 χ^2/NDF:98035.5/22

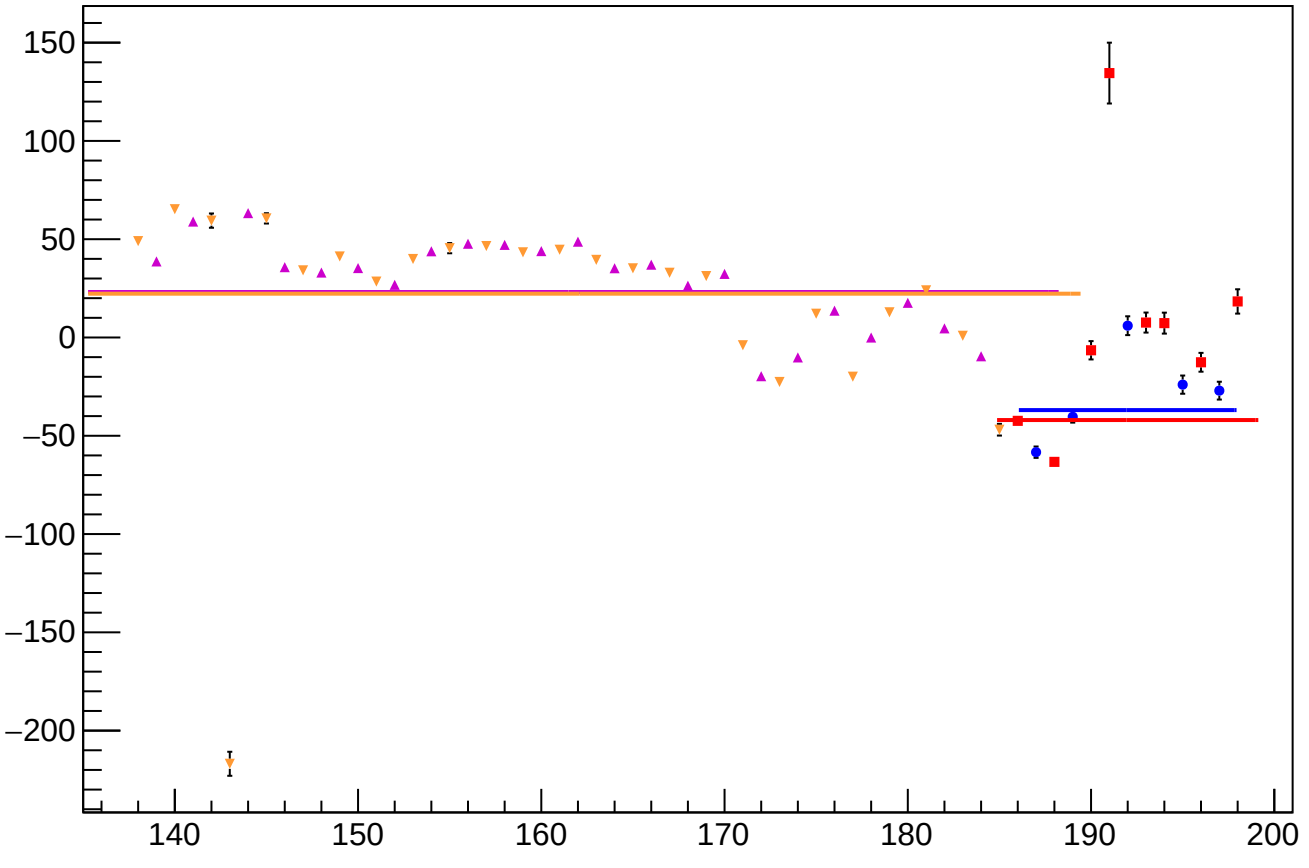
Left: -263.361+/-0.057 χ^2/NDF: 341051.4/47

Right: -235.810+/-0.090 χ^2/NDF: 325661.3/48

In: -260.451+/-0.070 χ^2/NDF:282327.6/44

Out: -251.154+/-0.066 χ^2/NDF:441808.4/51

All: -255.541+/-0.048 χ^2/NDF: 733454.8/96



Right In: -36.937+/-1.637 χ^2/NDF: 149.2/4

Left Out: 22.279+/-0.399 χ^2/NDF:5171.0/24

Right Out: -42.001+/-1.036 χ^2/NDF: 687.2/7

Left In: 23.136+/-0.401 χ^2/NDF:2744.7/22

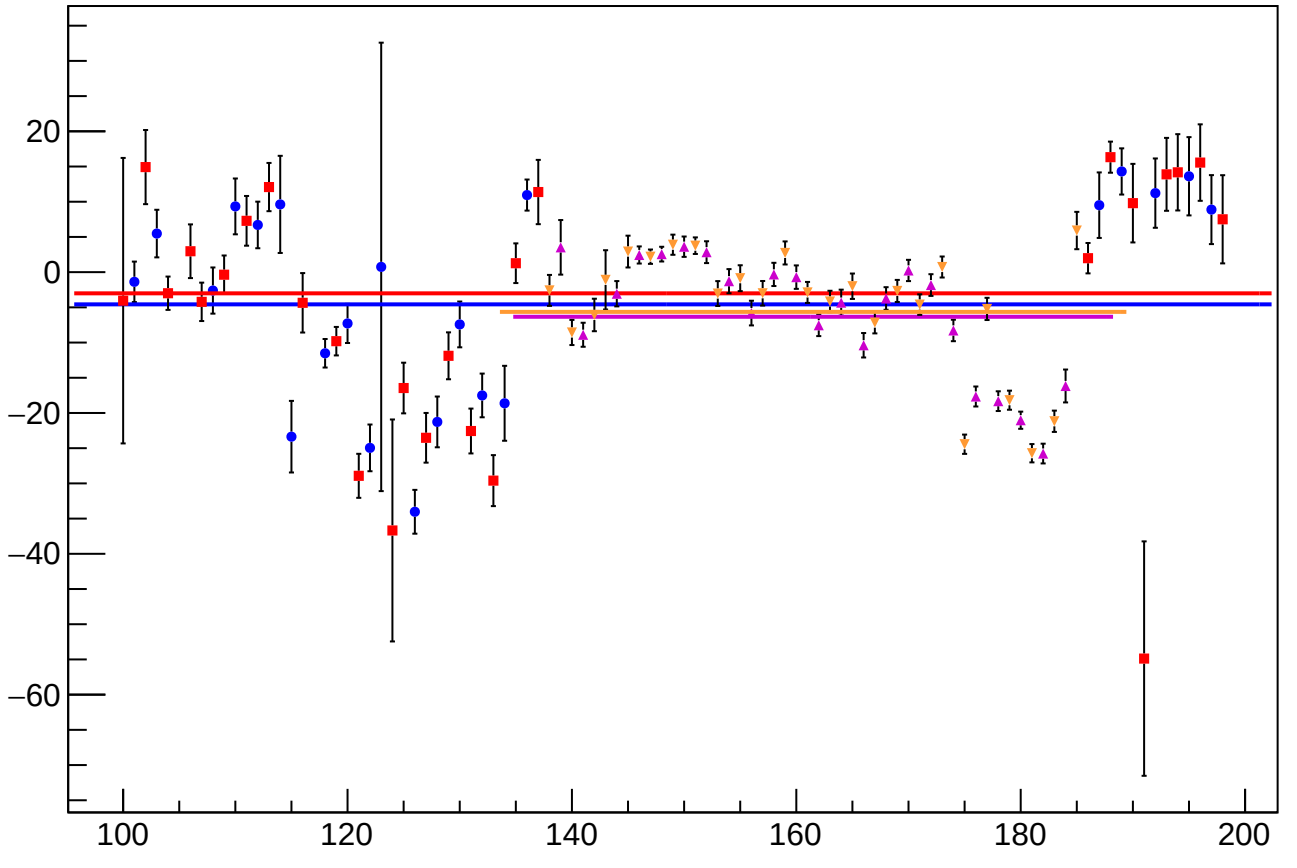
Left: 22.705+/-0.283 χ^2/NDF: 7918.0/47

Right: -40.554+/-0.875 χ^2/NDF: 843.3/12

In: 19.728+/-0.390 χ^2/NDF:4164.2/27

Out: 13.979+/-0.372 χ^2/NDF:9213.5/32

All: 16.720+/-0.269 χ^2/NDF: 13491.4/60



Right In: -4.575+/-0.734 χ^2/NDF: 359.3/21

Left Out: -5.642+/-0.316 χ^2/NDF:893.7/24

Right Out: -3.009+/-0.658 χ^2/NDF: 418.8/26

Left In: -6.337+/-0.321 χ^2/NDF:783.0/22

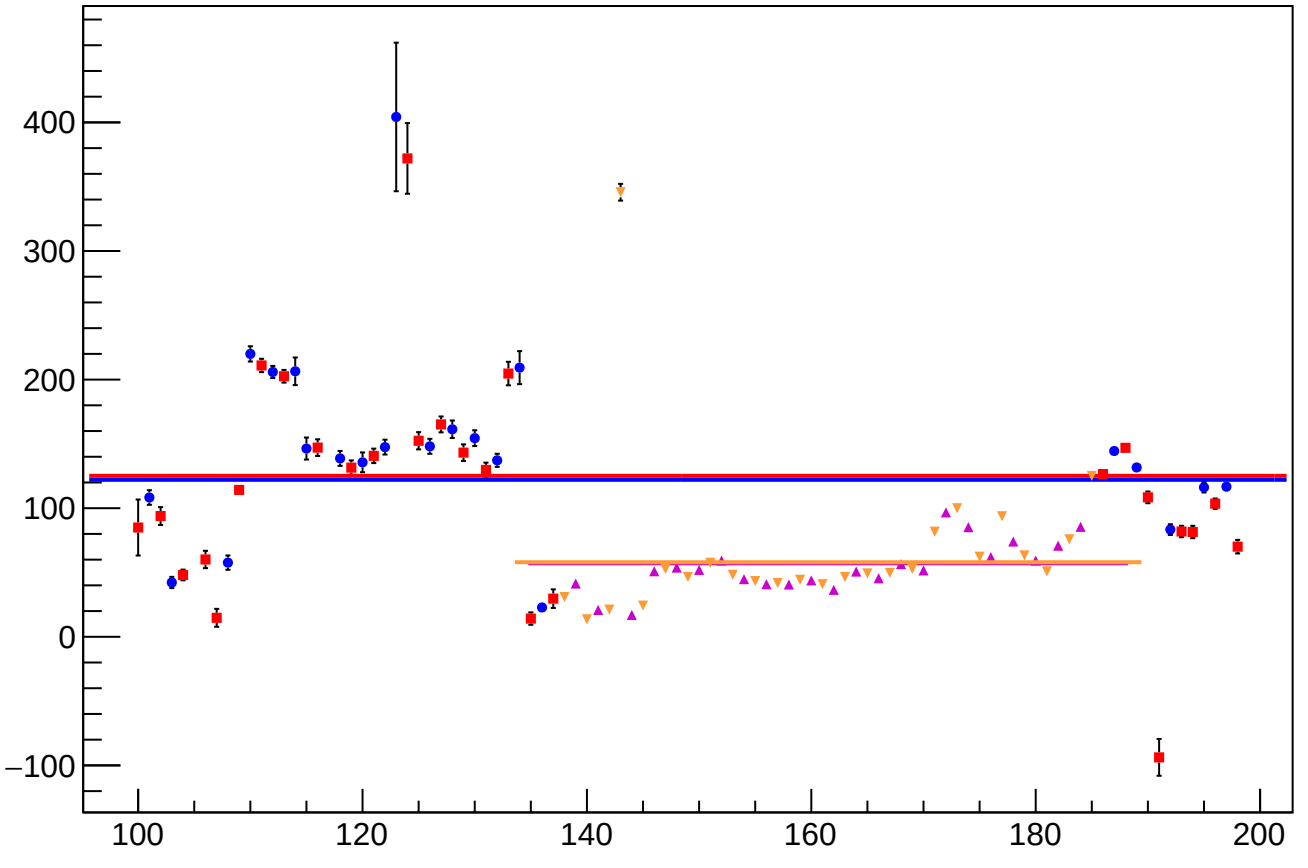
Left: -5.983+/-0.225 χ^2/NDF: 1679.1/47

Right: -3.707+/-0.490 χ^2/NDF: 780.7/48

In: -6.054+/-0.294 χ^2/NDF:1147.1/44

Out: -5.150+/-0.284 χ^2/NDF:1325.5/51

All: -5.587+/-0.205 χ^2/NDF: 2477.6/96



Right In: 122.087+/-0.986 χ^2/NDF: 2366.1/21

Left Out: 57.990+/-0.398 χ^2/NDF:4635.7/24

Right Out: 125.169+/-0.721 χ^2/NDF: 3049.5/26

Left In: 57.139+/-0.400 χ^2/NDF:1803.4/22

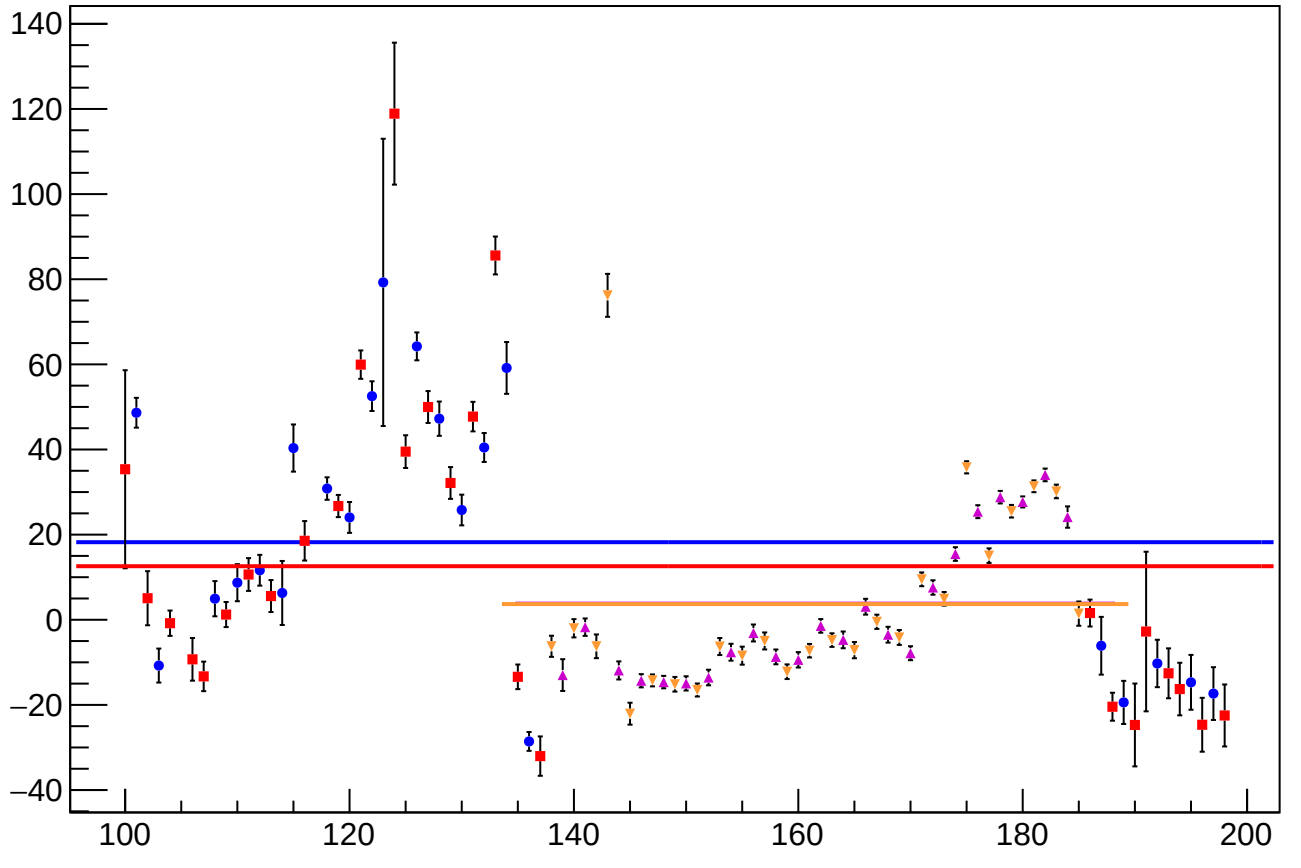
Left: 57.566+/-0.282 χ^2/NDF: 6441.4/47

Right: 124.096+/-0.582 χ^2/NDF: 5421.9/48

In: 66.301+/-0.370 χ^2/NDF:7896.9/44

Out: 73.691+/-0.348 χ^2/NDF:14346.1/51

All: 70.222+/-0.254 χ^2/NDF: 22454.3/96



Right In: 18.224+/-0.852 χ^2/NDF: 1232.0/21

Left Out: 3.684+/-0.357 χ^2/NDF:2541.7/24

Right Out: 12.581+/-0.786 χ^2/NDF: 1337.7/26

Left In: 3.786+/-0.362 χ^2/NDF:2198.8/22

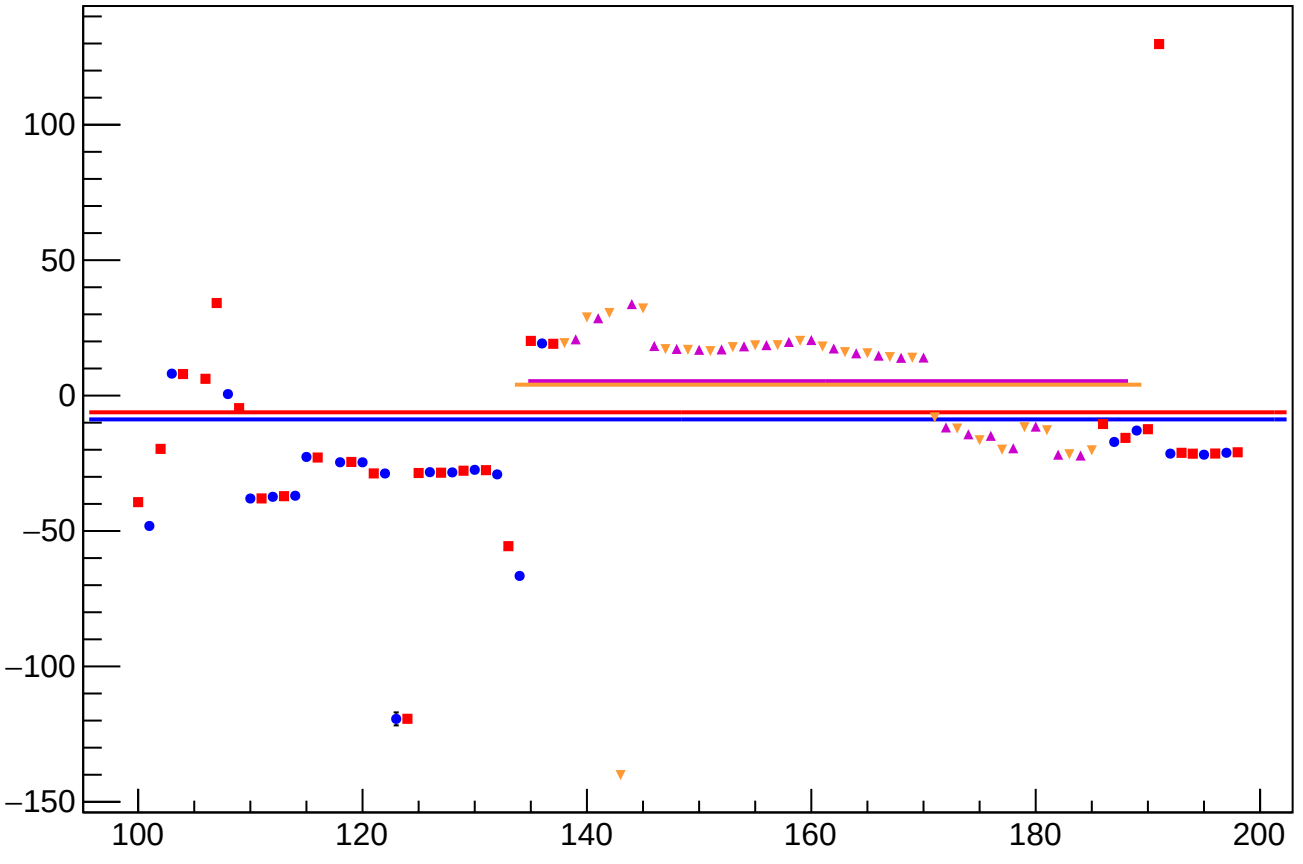
Left: 3.734+/-0.254 χ^2/NDF: 4740.5/47

Right: 15.175+/-0.578 χ^2/NDF: 2593.4/48

In: 5.990+/-0.333 χ^2/NDF:3674.0/44

Out: 5.204+/-0.325 χ^2/NDF:3985.6/51

All: 5.588+/-0.233 χ^2/NDF: 7662.5/96



Right In: -8.791+/-0.042 χ^2/NDF: 280718.0/21

Left Out: 4.026+/-0.016 χ^2/NDF:1383143.9/24

Right Out: -6.171+/-0.039 χ^2/NDF: 368950.2/26

Left In: 5.335+/-0.016 χ^2/NDF:1077818.8/22

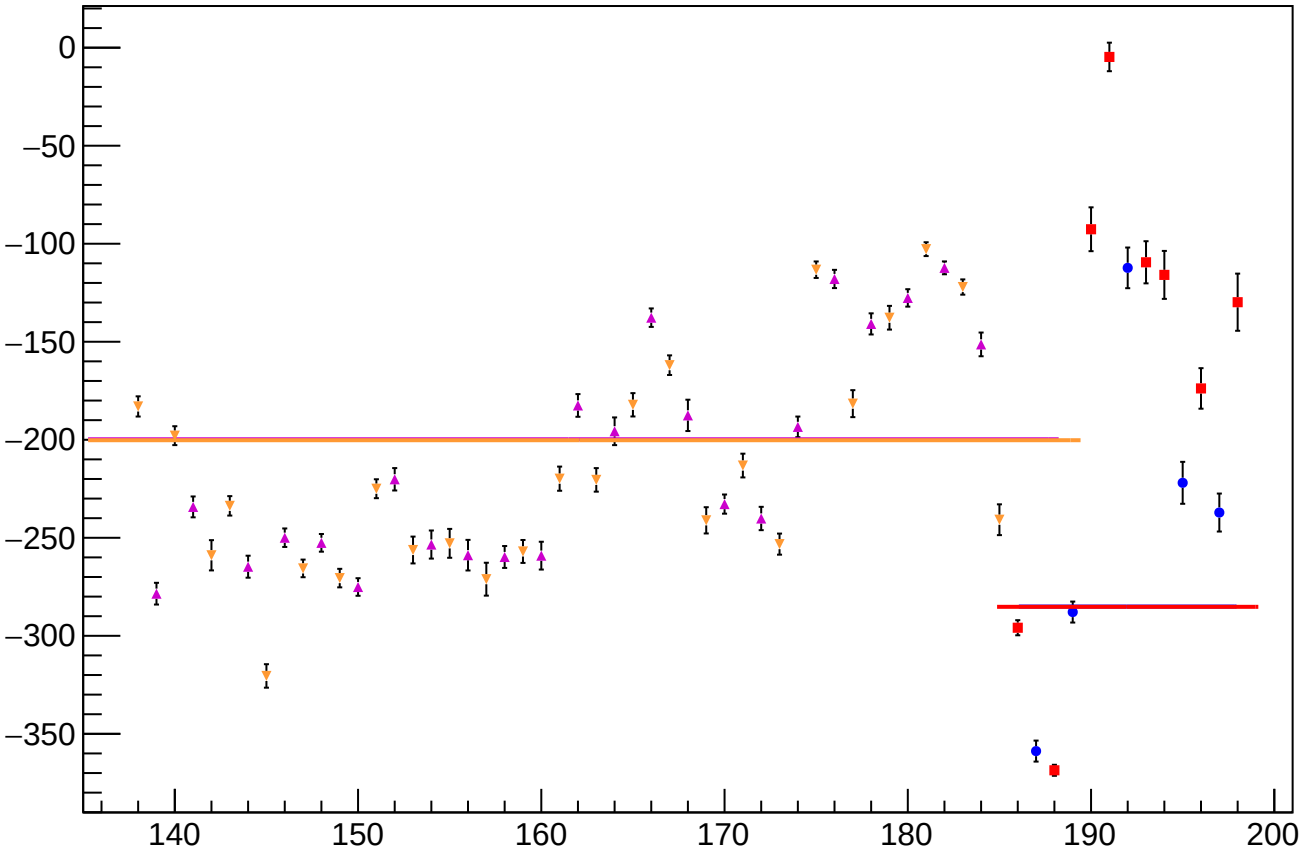
Left: 4.678+/-0.012 χ^2/NDF: 2464153.9/47

Right: -7.391+/-0.029 χ^2/NDF: 651764.3/48

In: 3.448+/-0.015 χ^2/NDF:1457373.0/44

Out: 2.502+/-0.015 χ^2/NDF:1810120.1/51

All: 2.969+/-0.011 χ^2/NDF: 3269432.3/96



Right In: -285.074+/-3.187 χ^2/NDF: 526.6/4

Left Out: -200.228+/-1.078 χ^2/NDF:3225.0/24

Right Out: -285.214+/-2.000 χ^2/NDF: 3357.1/7

Left In: -199.739+/-1.097 χ^2/NDF:2968.0/22

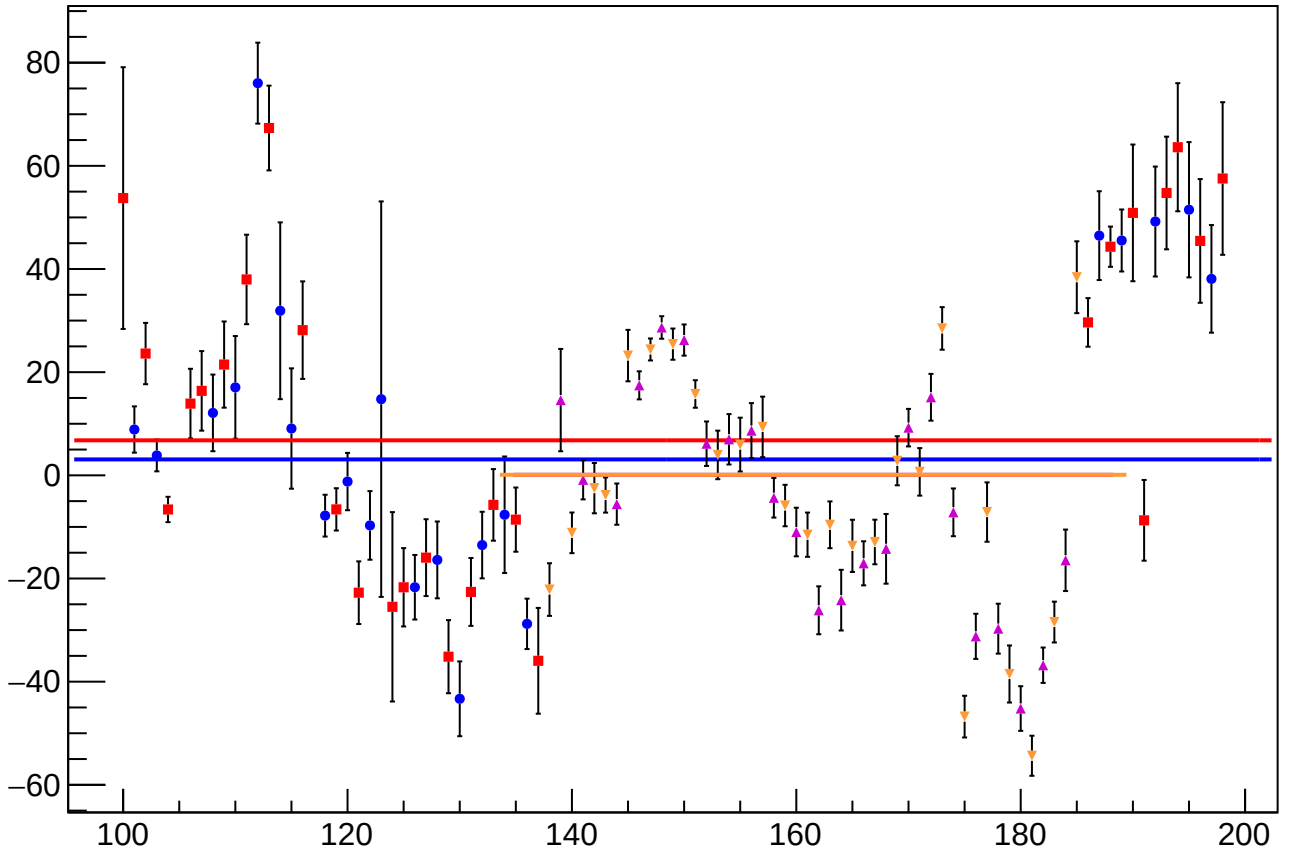
Left: -199.988+/-0.769 χ^2/NDF: 6193.2/47

Right: -285.174+/-1.694 χ^2/NDF: 3883.7/12

In: -208.787+/-1.038 χ^2/NDF:4135.7/27

Out: -219.356+/-0.949 χ^2/NDF:7981.4/32

All: -214.542+/-0.700 χ^2/NDF: 12173.6/60



Right In: 3.087+/-1.376 χ^2/NDF: 338.8/21

Left Out: 0.109+/-0.807 χ^2/NDF:831.2/24

Right Out: 6.788+/-1.221 χ^2/NDF: 455.4/26

Left In: 0.097+/-0.838 χ^2/NDF:715.5/22

Left: 0.103+/-0.581 χ^2/NDF: 1546.7/47

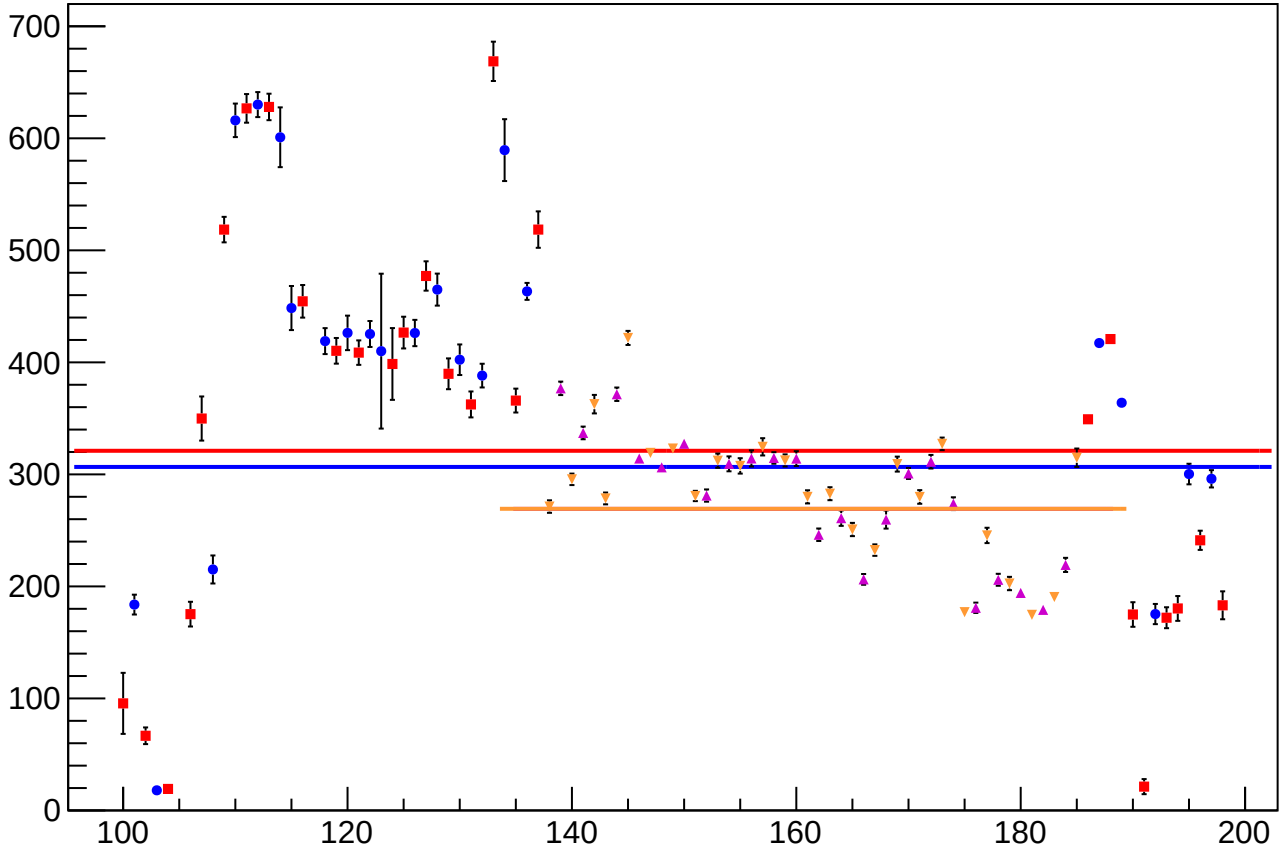
Right: 5.158+/-0.913 χ^2/NDF: 798.3/48

In: 0.906+/-0.716 χ^2/NDF:1057.7/44

Out: 2.140+/-0.673 χ^2/NDF:1307.5/51

All: 1.561+/-0.490 χ^2/NDF: 2366.8/96

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 306.651+/-1.813 χ^2/NDF: 8907.5/21

Left Out: 269.278+/-1.078 χ^2/NDF:3146.7/24

Right Out: 321.066+/-1.364 χ^2/NDF: 13605.6/26

Left In: 269.191+/-1.091 χ^2/NDF:3170.2/22

Left: 269.235+/-0.767 χ^2/NDF: 6316.9/47

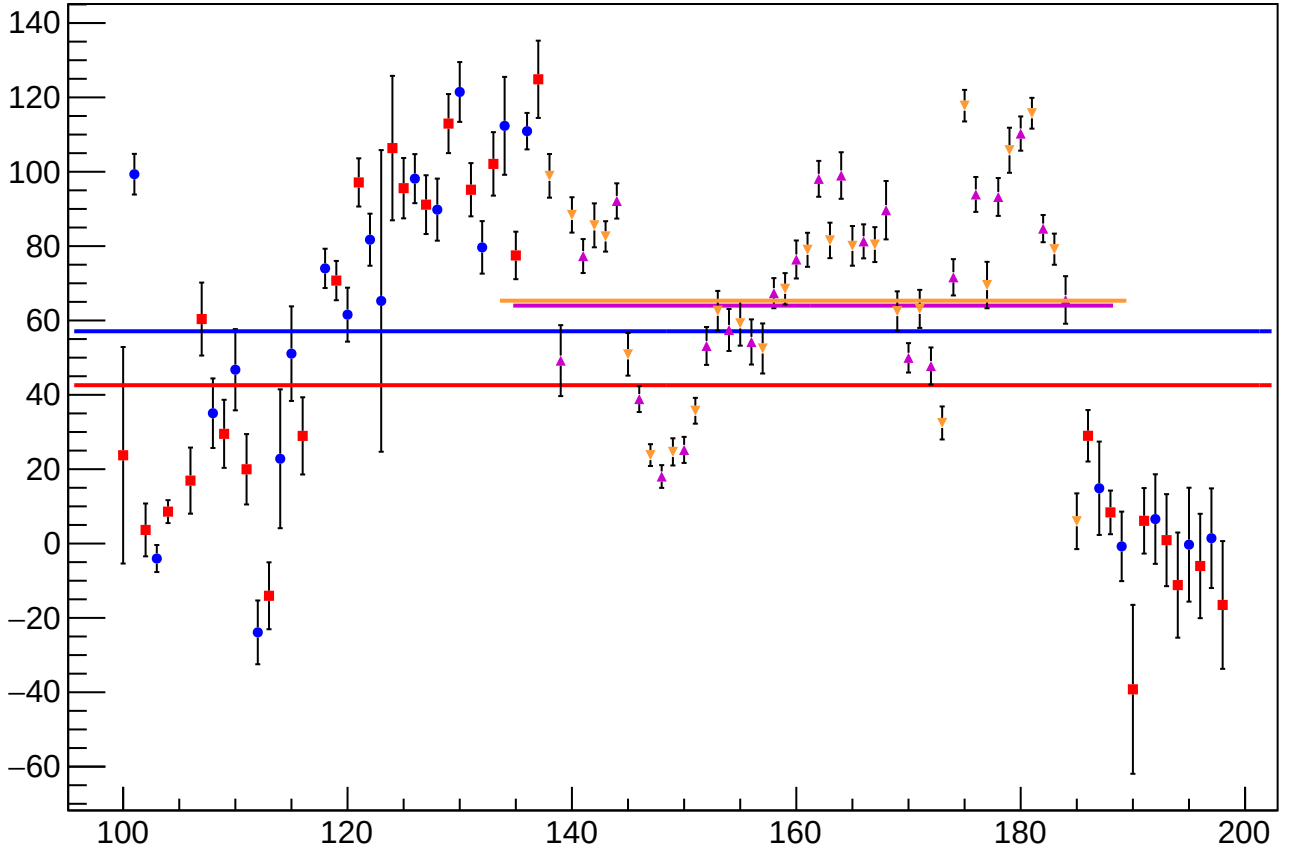
Right: 315.854+/-1.090 χ^2/NDF: 22553.5/48

In: 279.143+/-0.935 χ^2/NDF:12391.2/44

Out: 289.172+/-0.846 χ^2/NDF:17639.6/51

All: 284.657+/-0.627 χ^2/NDF: 30094.0/96

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 57.097+/-1.618 χ^2/NDF: 829.1/21

Left Out: 65.323+/-0.935 χ^2/NDF:1007.1/24

Right Out: 42.592+/-1.483 χ^2/NDF: 794.0/26

Left In: 63.999+/-0.963 χ^2/NDF:799.5/22

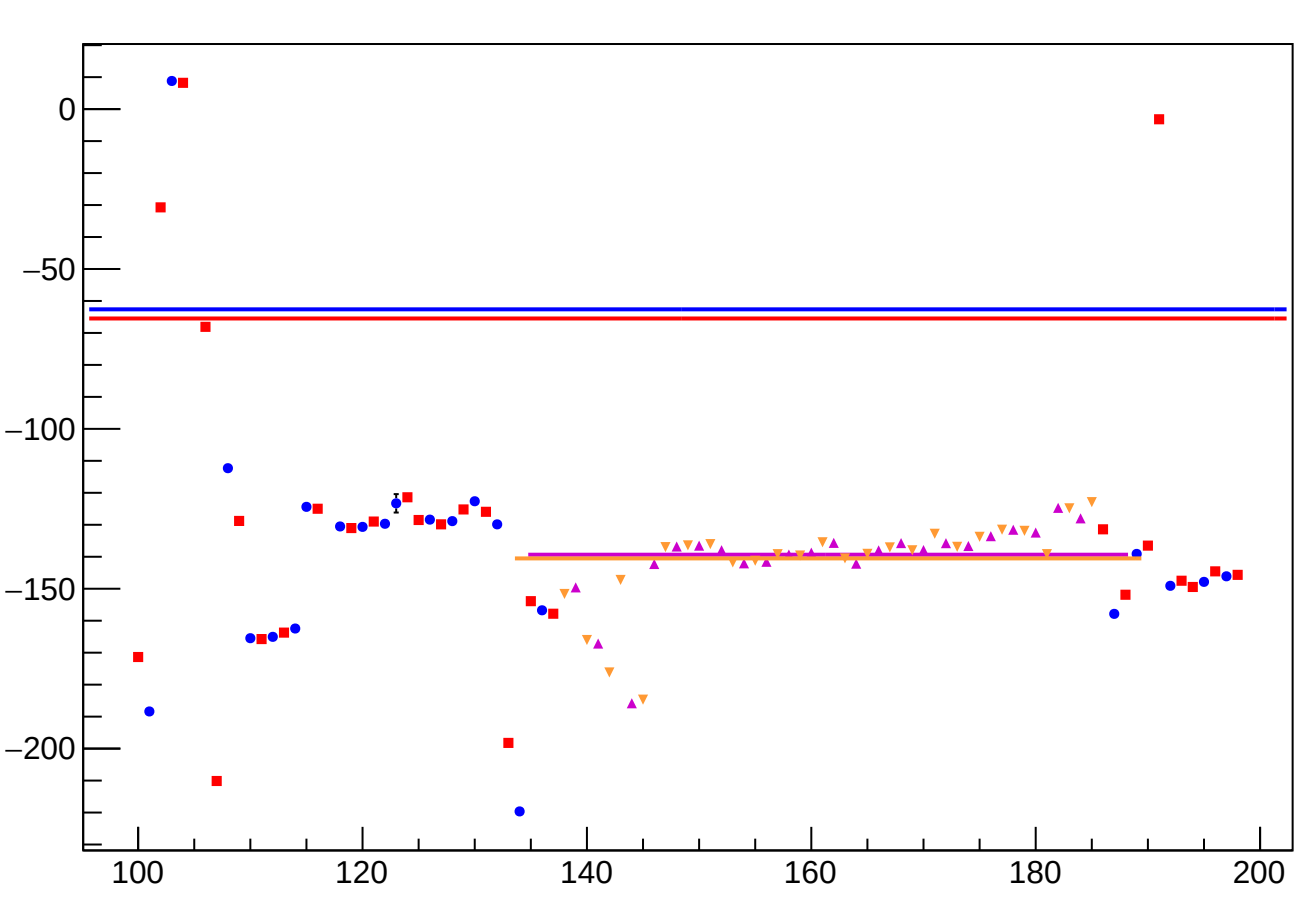
Left: 64.681+/-0.671 χ^2/NDF: 1807.5/47

Right: 49.213+/-1.093 χ^2/NDF: 1666.8/48

In: 62.194+/-0.827 χ^2/NDF:1642.0/44

Out: 58.861+/-0.791 χ^2/NDF:1969.3/51

All: 60.452+/-0.572 χ^2/NDF: 3619.7/96



Right In: -62.618+/-0.067 χ^2/NDF: 1402874.3/21

Left Out: -140.519+/-0.045 χ^2/NDF:77489.0/24

Right Out: -65.481+/-0.064 χ^2/NDF: 1298658.4/26

Left In: -139.360+/-0.045 χ^2/NDF:62449.0/22

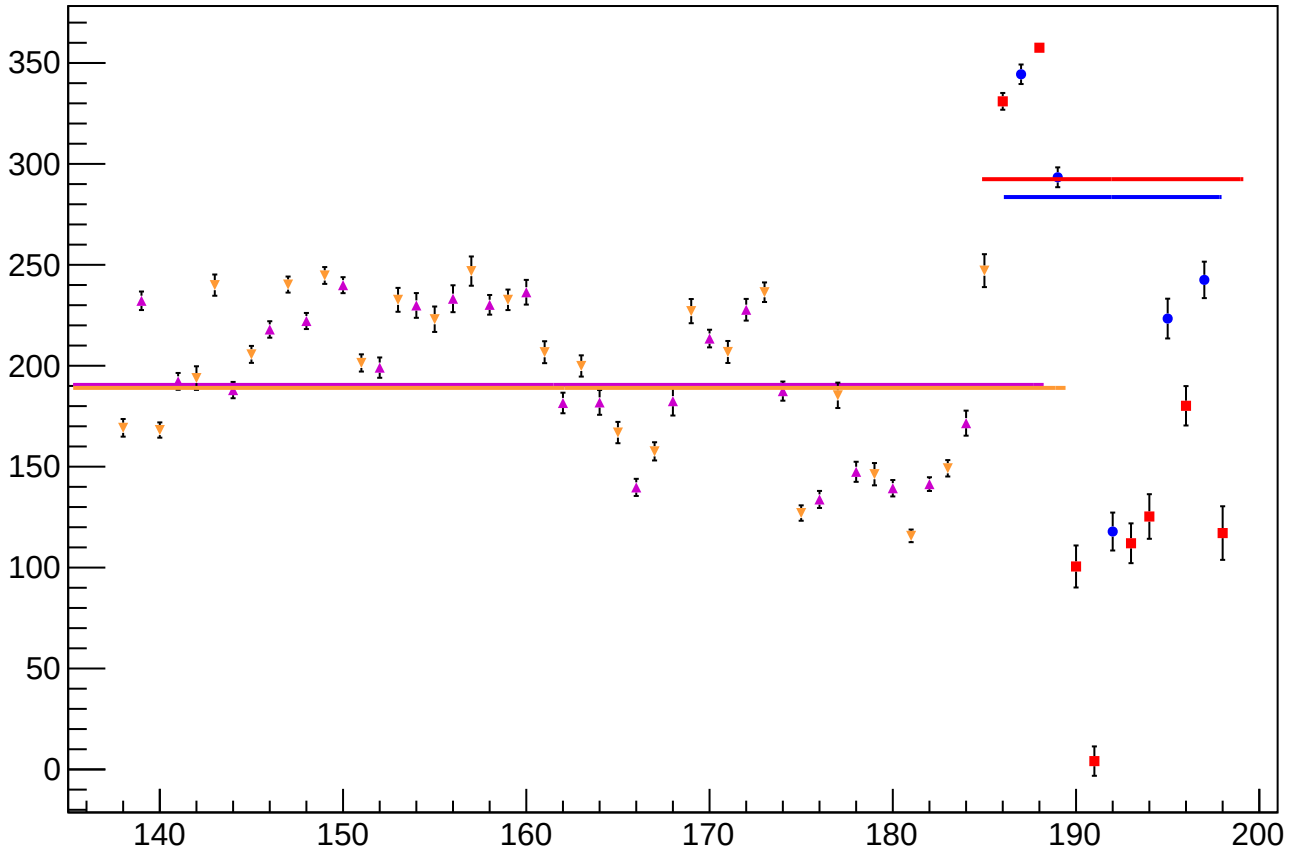
Left: -139.945+/-0.032 χ^2/NDF: 140272.6/47

Right: -64.121+/-0.046 χ^2/NDF: 2702496.8/48

In: -115.401+/-0.037 χ^2/NDF:2372913.9/44

Out: -115.782+/-0.036 χ^2/NDF:2311254.3/51

All: -115.596+/-0.026 χ^2/NDF: 4684221.6/96



Right In: 283.580+/-2.911 χ^2/NDF: 531.1/4

Left Out: 189.030+/-0.956 χ^2/NDF:1980.9/24

Right Out: 292.433+/-1.890 χ^2/NDF: 3540.8/7

Left In: 190.506+/-0.975 χ^2/NDF:1412.7/22

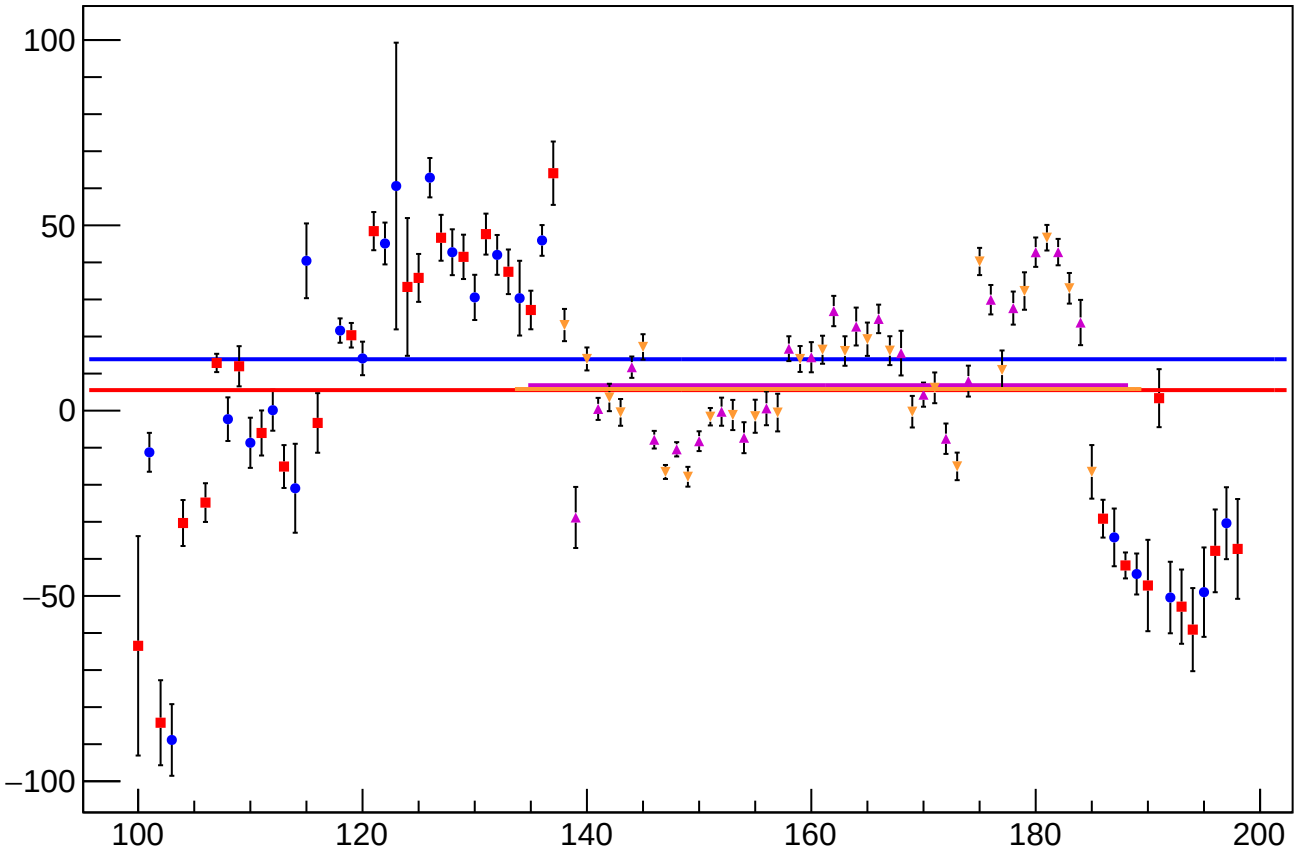
Left: 189.753+/-0.683 χ^2/NDF: 3394.8/47

Right: 289.808+/-1.585 χ^2/NDF: 4078.4/12

In: 199.895+/-0.925 χ^2/NDF:2863.0/27

Out: 210.095+/-0.853 χ^2/NDF:7905.6/32

All: 205.405+/-0.627 χ^2/NDF: 10834.3/60



Right In: 13.871+/-1.303 χ^2/NDF: 657.9/21

Left Out: 5.834+/-0.712 χ^2/NDF:652.2/24

Right Out: 5.540+/-1.093 χ^2/NDF: 845.2/26

Left In: 6.862+/-0.736 χ^2/NDF:522.7/22

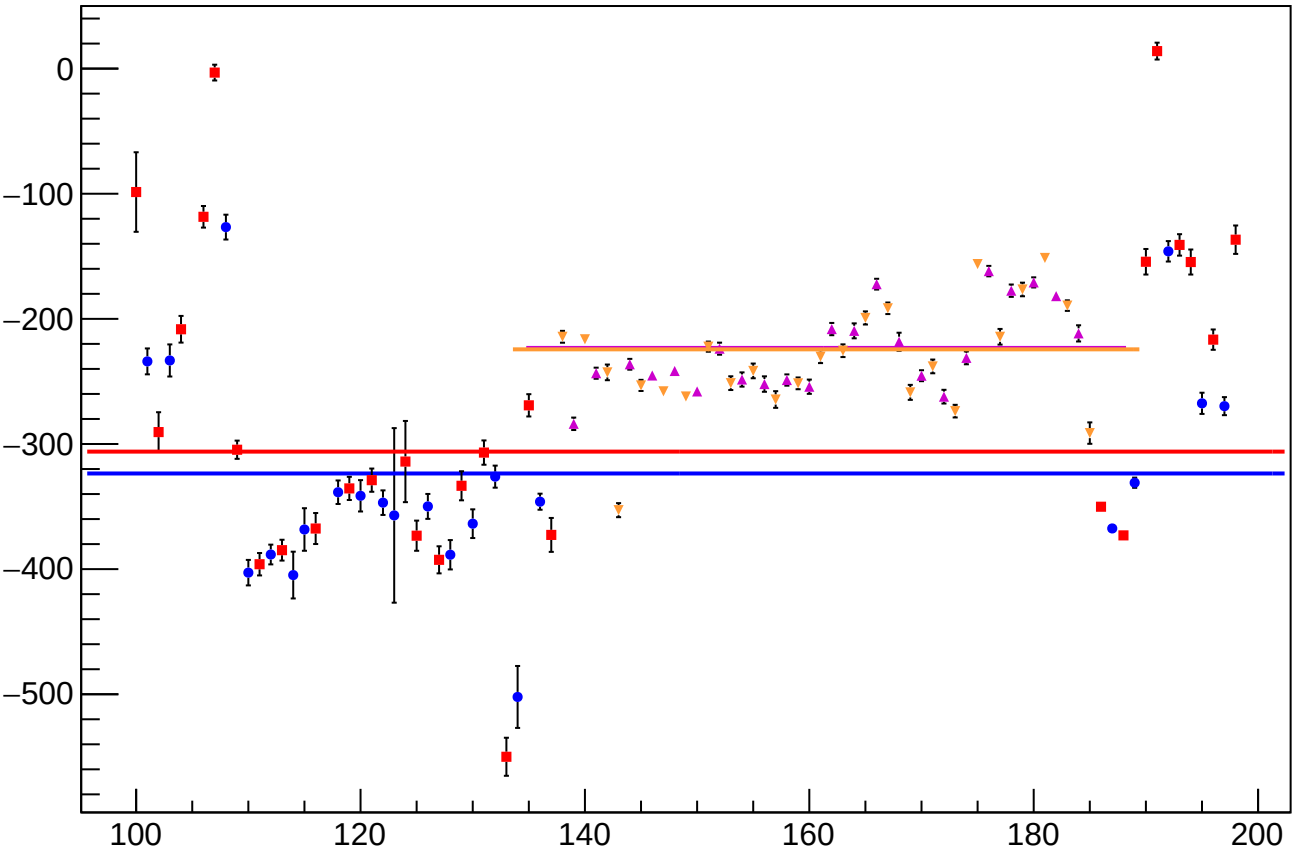
Left: 6.331+/-0.512 χ^2/NDF: 1176.0/47

Right: 8.981+/-0.837 χ^2/NDF: 1527.1/48

In: 8.558+/-0.641 χ^2/NDF:1202.6/44

Out: 5.747+/-0.597 χ^2/NDF:1497.5/51

All: 7.052+/-0.437 χ^2/NDF: 2710.4/96



Right In: -323.563+/-1.764 χ^2/NDF: 1493.8/21

Left Out: -224.364+/-0.956 χ^2/NDF:2103.2/24

Right Out: -306.089+/-1.290 χ^2/NDF: 8233.8/26

Left In: -223.223+/-0.969 χ^2/NDF:1269.3/22

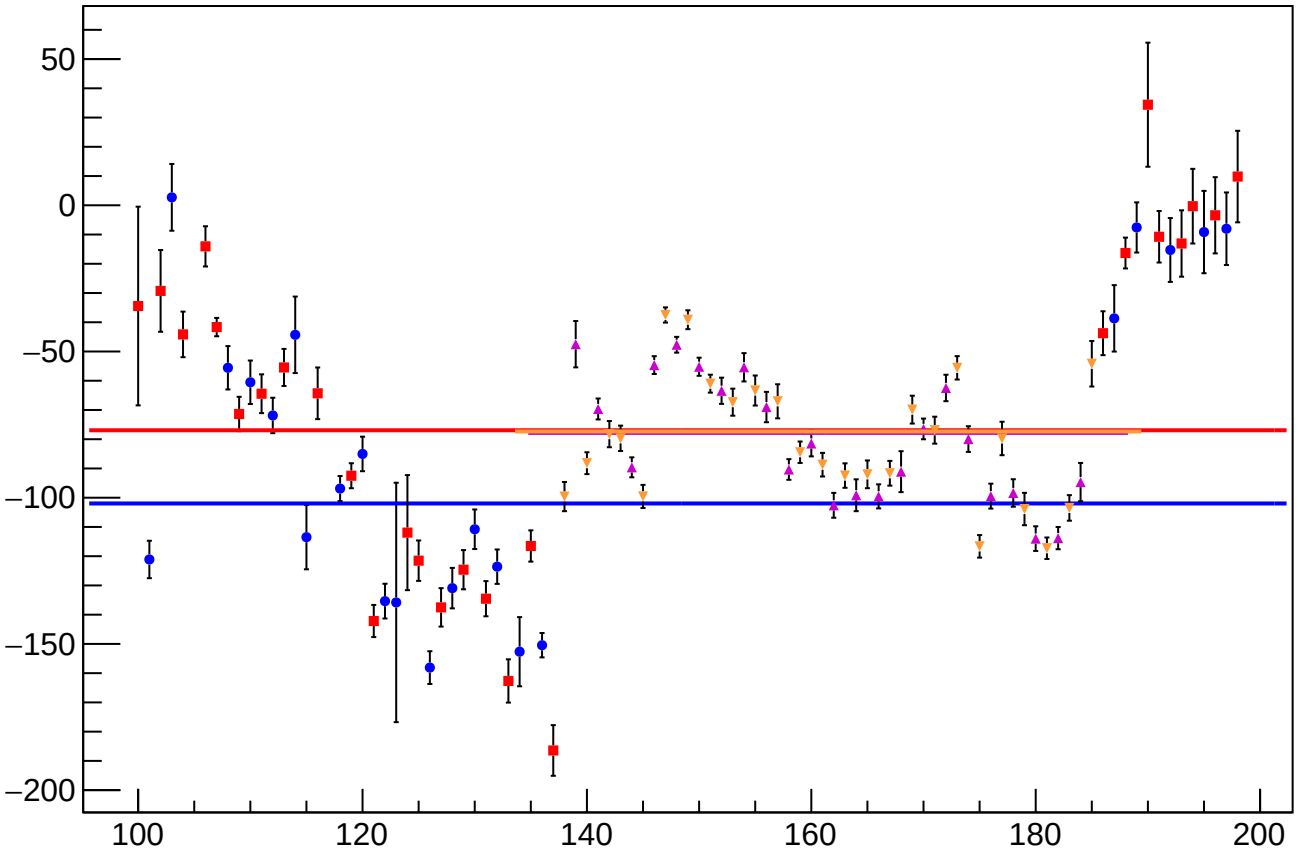
Left: -223.801+/-0.681 χ^2/NDF: 3373.2/47

Right: -312.178+/-1.041 χ^2/NDF: 9791.5/48

In: -246.488+/-0.849 χ^2/NDF:5248.4/44

Out: -253.336+/-0.768 χ^2/NDF:12927.6/51

All: -250.255+/-0.570 χ^2/NDF: 18211.7/96



Right In: -101.967+/-1.522 χ^2/NDF: 853.6/21

Left Out: -77.343+/-0.827 χ^2/NDF:846.2/24

Right Out: -76.936+/-1.315 χ^2/NDF: 1399.8/26

Left In: -77.838+/-0.849 χ^2/NDF:622.8/22

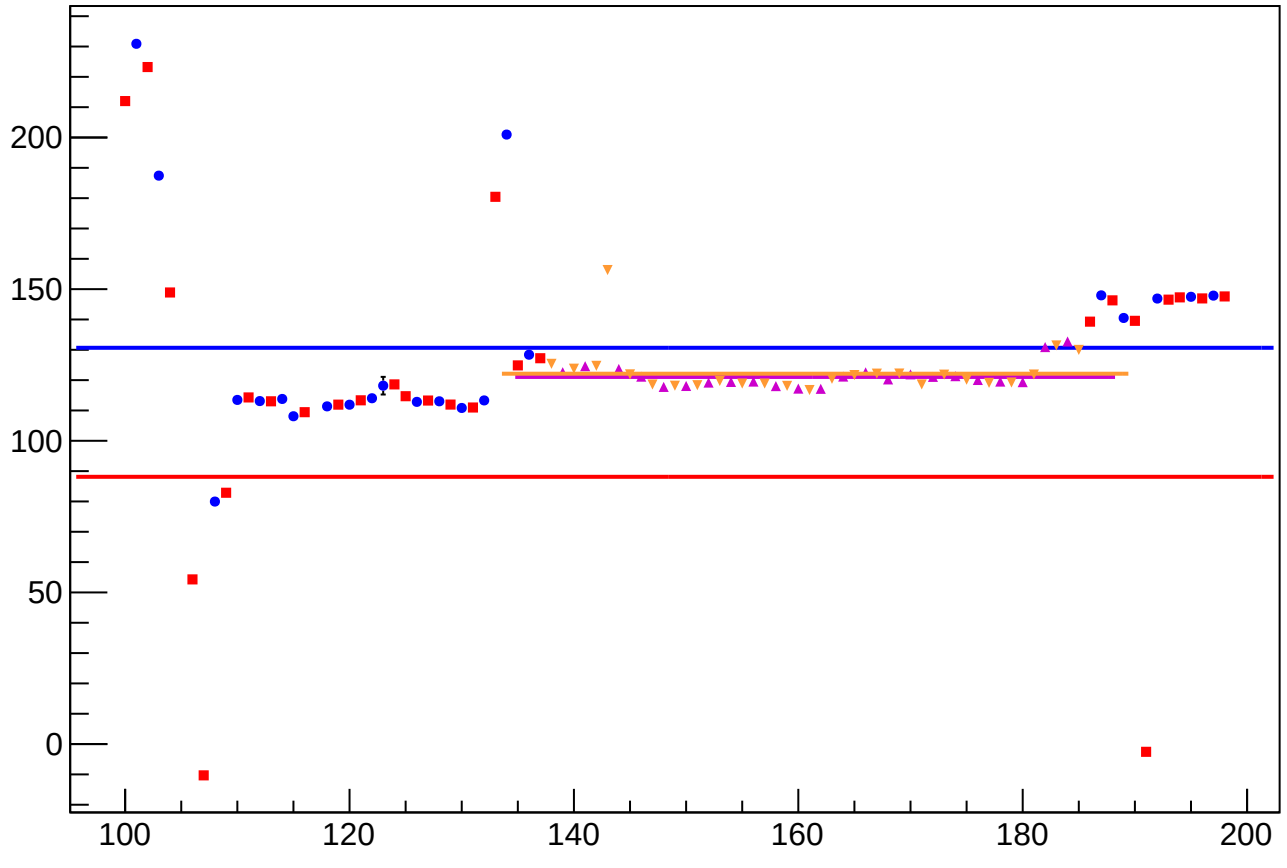
Left: -77.584+/-0.592 χ^2/NDF: 1469.2/47

Right: -87.631+/-0.995 χ^2/NDF: 2408.2/48

In: -83.560+/-0.741 χ^2/NDF:1668.0/44

Out: -77.228+/-0.700 χ^2/NDF:2246.1/51

All: -80.212+/-0.509 χ^2/NDF: 3952.7/96



Right In: 130.666+/-0.081 χ^2/NDF: 195634.4/21

Left Out: 122.119+/-0.039 χ^2/NDF:30480.7/24

Right Out: 88.126+/-0.065 χ^2/NDF: 1057824.0/26

Left In: 121.055+/-0.040 χ^2/NDF:7931.6/22

Left: 121.591+/-0.028 χ^2/NDF: 38773.7/47

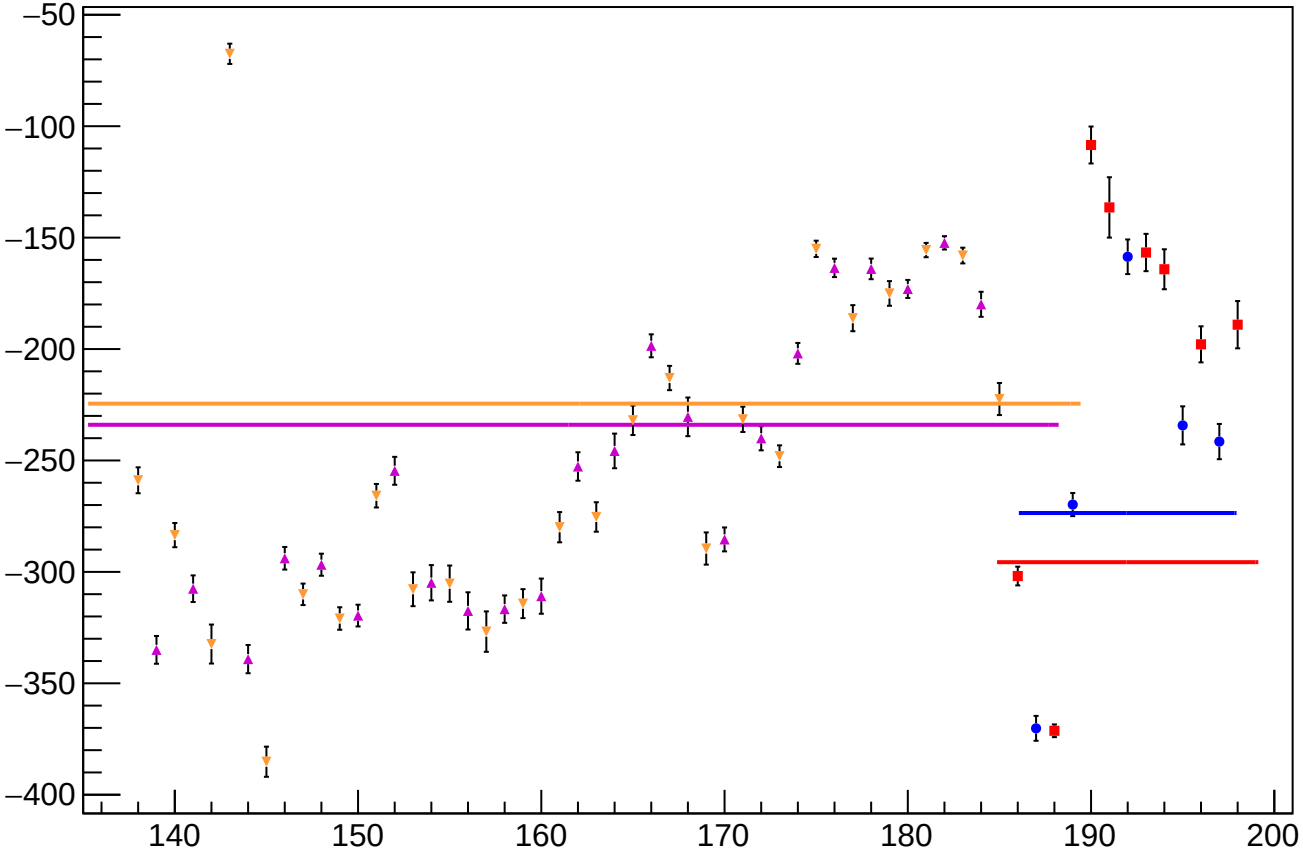
Right: 104.728+/-0.051 χ^2/NDF: 1420727.8/48

In: 122.911+/-0.036 χ^2/NDF:214864.1/44

Out: 112.977+/-0.034 χ^2/NDF:1288372.1/51

All: 117.659+/-0.025 χ^2/NDF: 1544195.4/96

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -273.577+/-2.944 χ^2/NDF: 556.9/4

Left Out: -224.501+/-1.079 χ^2/NDF:4870.6/24

Right Out: -295.642+/-1.998 χ^2/NDF: 2091.5/7

Left In: -233.988+/-1.109 χ^2/NDF:3538.4/22

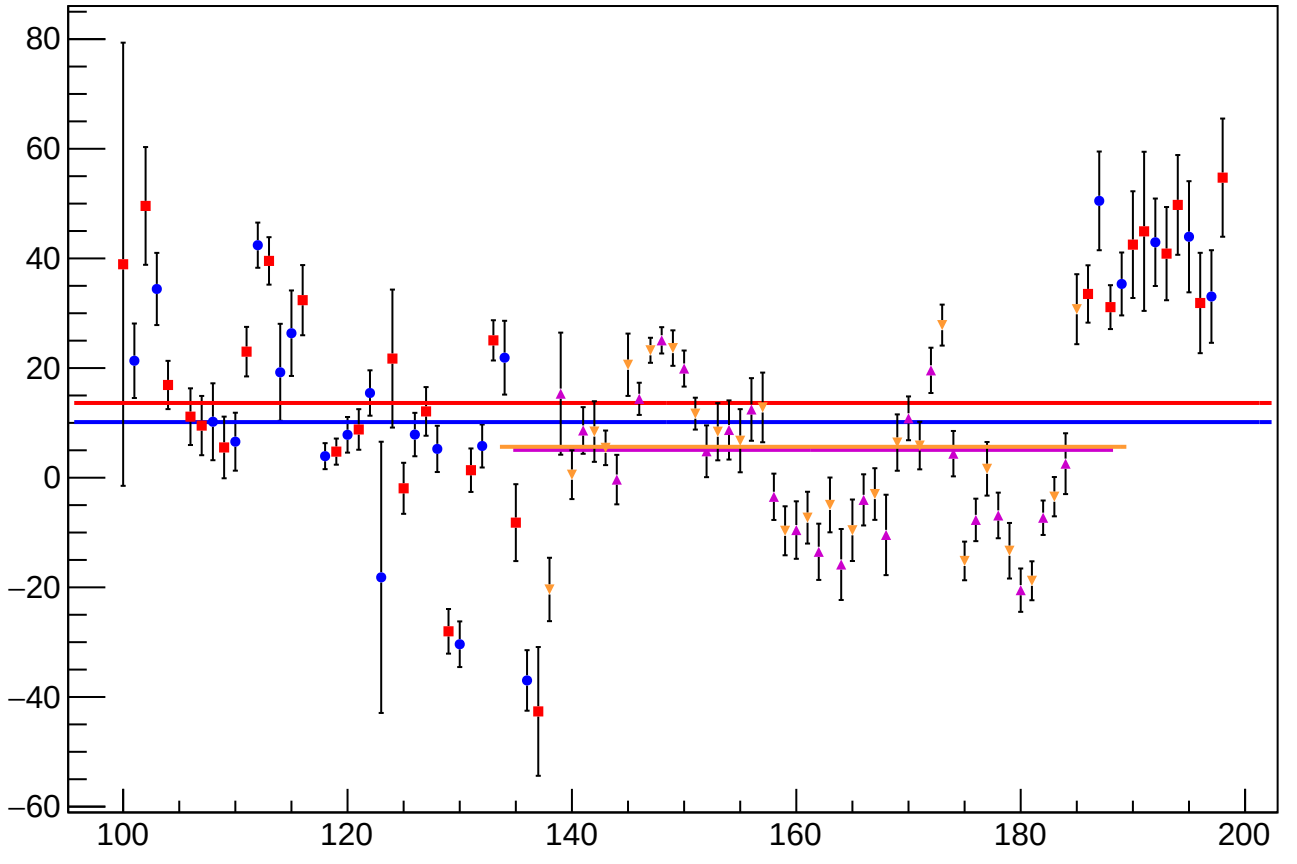
Left: -229.116+/-0.773 χ^2/NDF: 8446.6/47

Right: -288.682+/-1.653 χ^2/NDF: 2686.9/12

In: -238.904+/-1.037 χ^2/NDF:4253.7/27

Out: -240.560+/-0.949 χ^2/NDF:7943.3/32

All: -239.805+/-0.700 χ^2/NDF: 12198.3/60



Right In: 10.147+/-1.054 χ^2/NDF: 342.1/21

Left Out: 5.638+/-0.828 χ^2/NDF:313.6/24

Right Out: 13.633+/-0.986 χ^2/NDF: 339.1/26

Left In: 5.077+/-0.869 χ^2/NDF:239.7/22

Left: 5.371+/-0.599 χ^2/NDF: 553.6/47

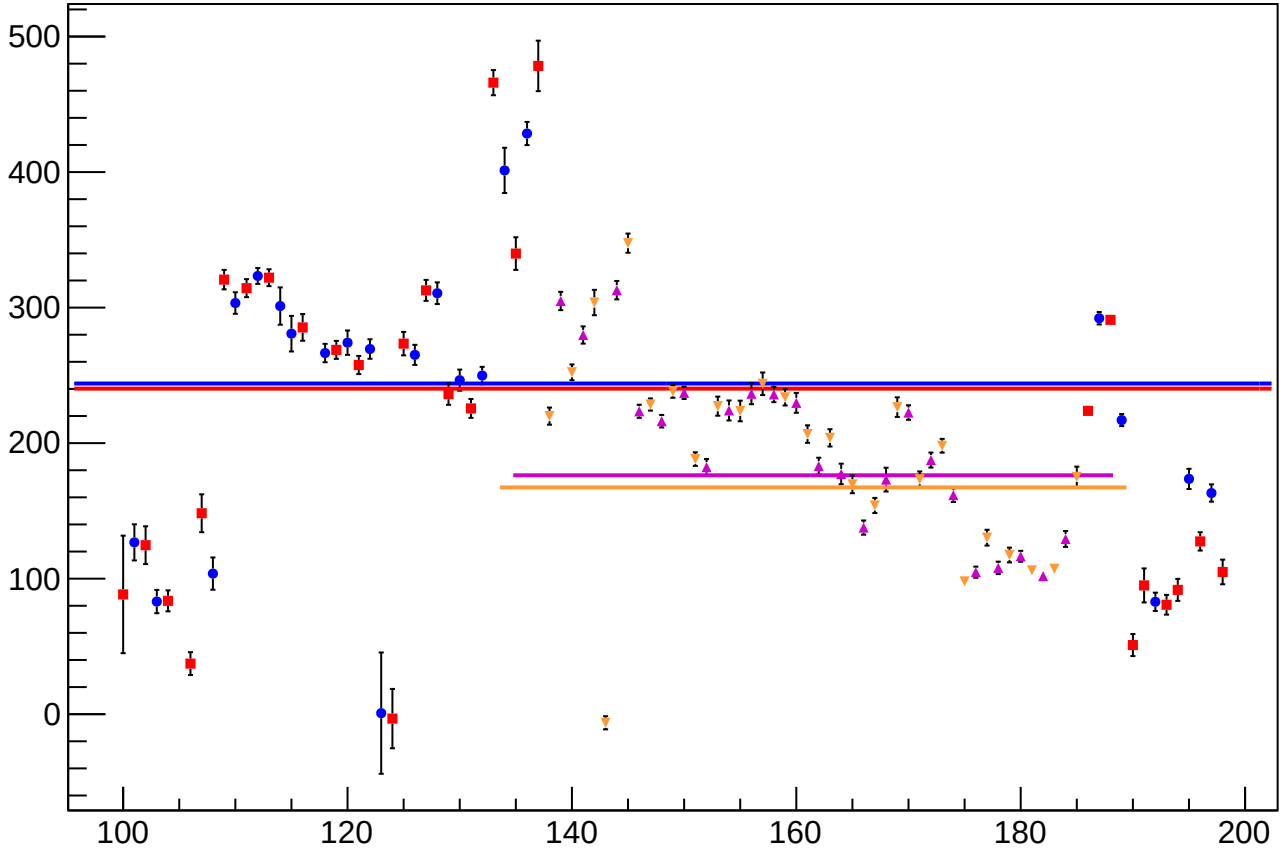
Right: 12.006+/-0.720 χ^2/NDF: 687.0/48

In: 7.130+/-0.670 χ^2/NDF:595.5/44

Out: 8.946+/-0.634 χ^2/NDF:691.4/51

All: 8.088+/-0.461 χ^2/NDF: 1290.8/96

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 243.989+/-1.599 χ^2/NDF: 2492.3/21

Left Out: 167.327+/-1.082 χ^2/NDF:4454.5/24

Right Out: 240.227+/-1.268 χ^2/NDF: 5135.5/26

Left In: 176.272+/-1.106 χ^2/NDF:3169.5/22

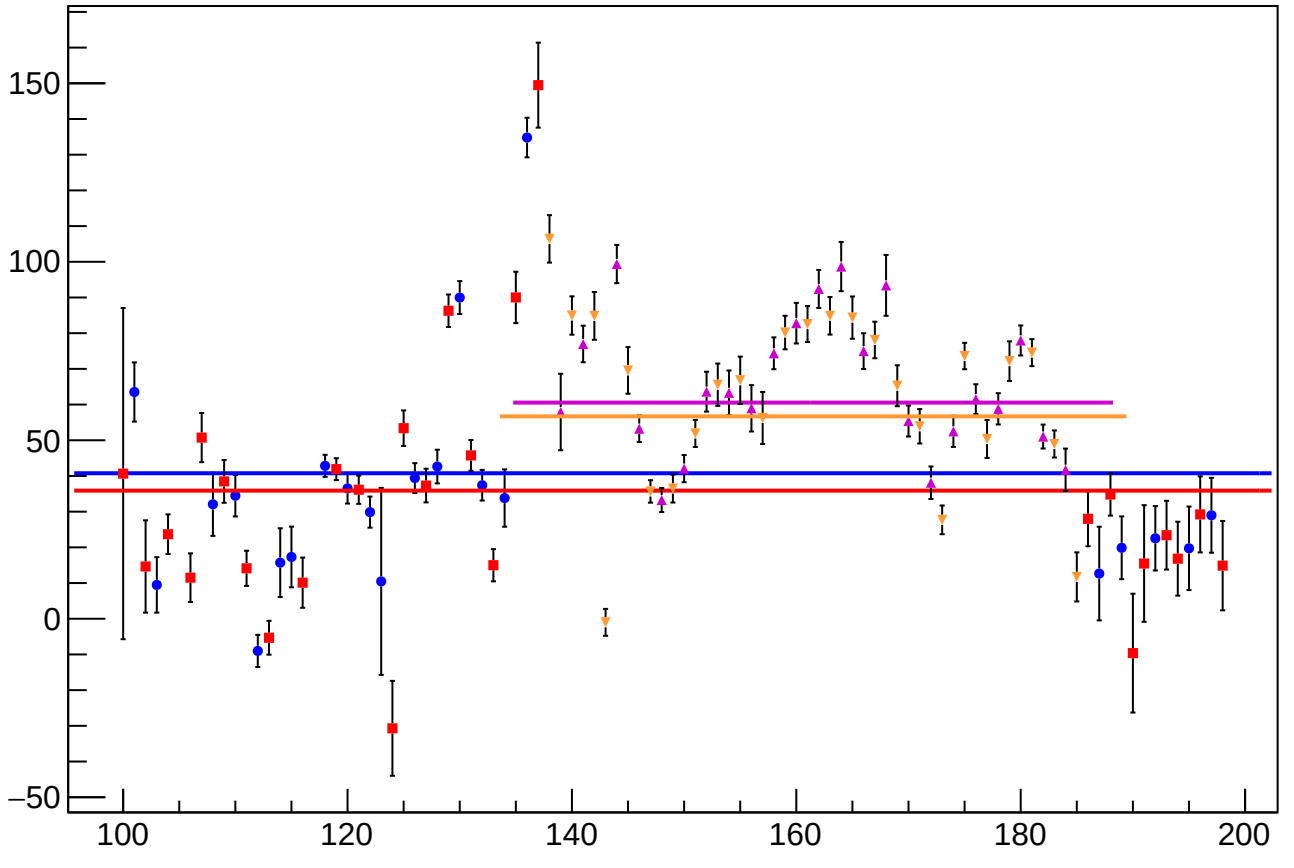
Left: 171.704+/-0.774 χ^2/NDF: 7657.4/47

Right: 241.679+/-0.994 χ^2/NDF: 7631.2/48

In: 198.171+/-0.910 χ^2/NDF:6874.8/44

Out: 198.052+/-0.823 χ^2/NDF:11501.4/51

All: 198.106+/-0.610 χ^2/NDF: 18376.2/96



Right In: 40.759+/-1.230 χ^2/NDF: 593.3/21

Left Out: 56.695+/-0.952 χ^2/NDF:690.4/24

Right Out: 35.894+/-1.161 χ^2/NDF: 490.2/26

Left In: 60.555+/-0.990 χ^2/NDF:335.6/22

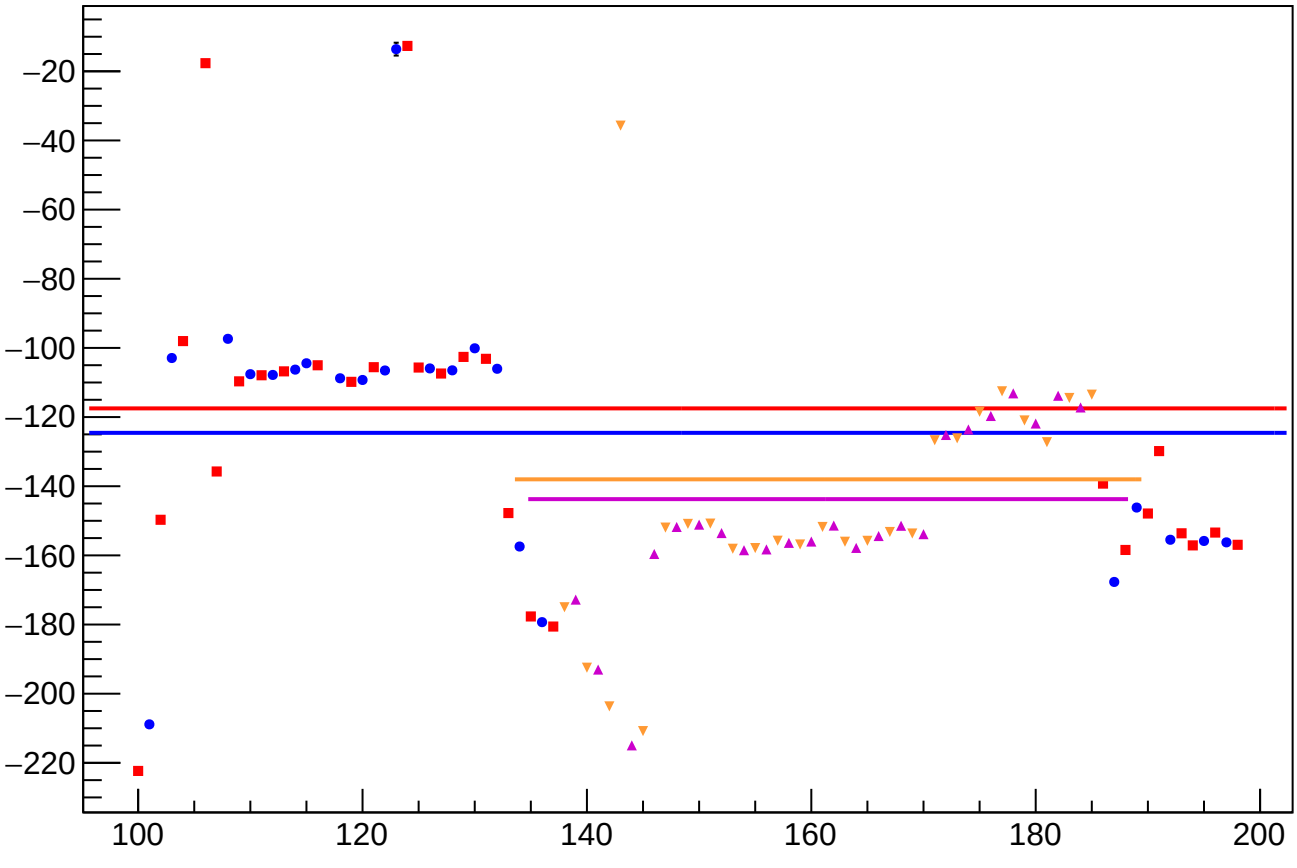
Left: 58.548+/-0.686 χ^2/NDF: 1034.0/47

Right: 38.187+/-0.844 χ^2/NDF: 1091.7/48

In: 52.771+/-0.771 χ^2/NDF:1086.1/44

Out: 48.335+/-0.736 χ^2/NDF:1372.6/51

All: 50.449+/-0.532 χ^2/NDF: 2476.0/96



Right In: -124.561+/-0.071 χ^2/NDF: 183911.6/21

Left Out: -138.008+/-0.045 χ^2/NDF:565767.2/24

Right Out: -117.490+/-0.063 χ^2/NDF: 430009.7/26

Left In: -143.735+/-0.046 χ^2/NDF:258408.3/22

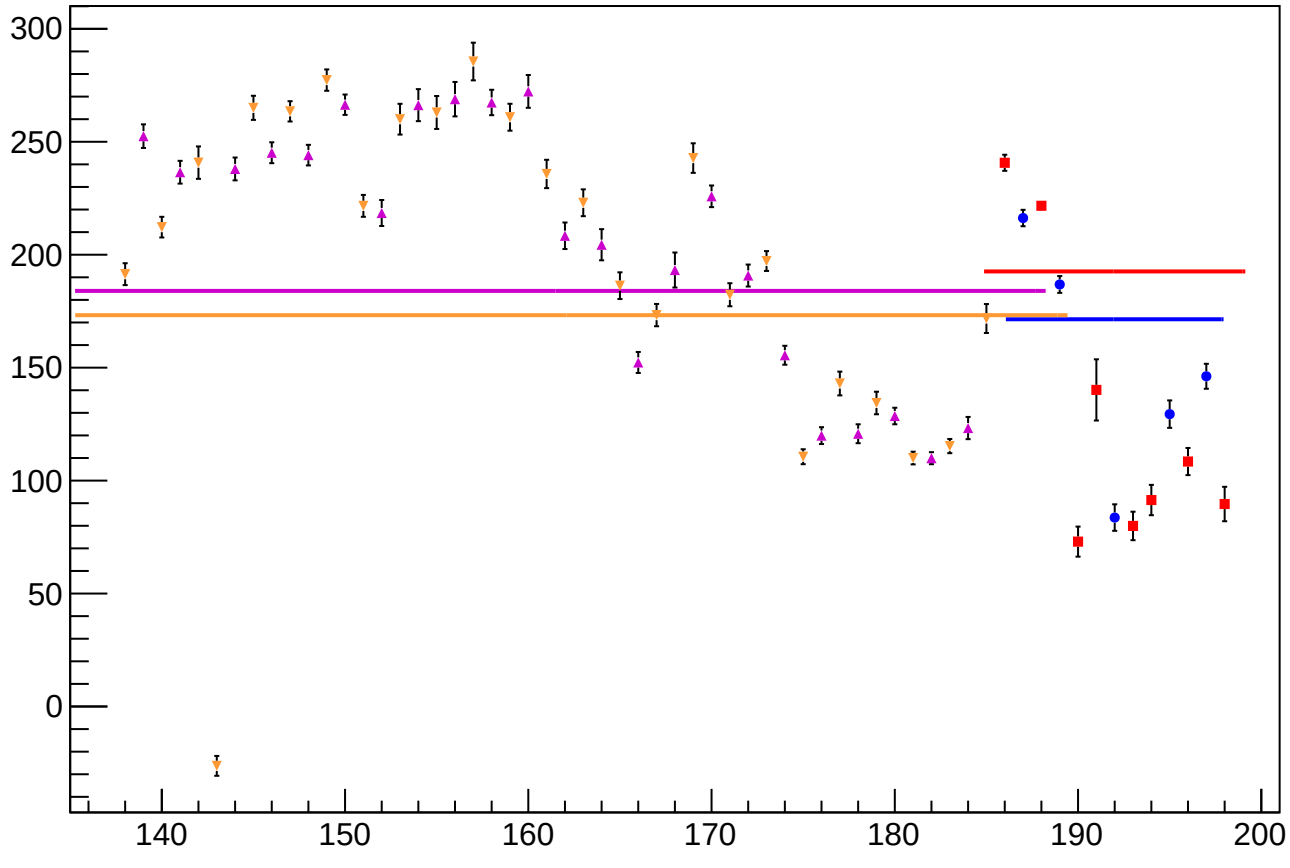
Left: -140.811+/-0.032 χ^2/NDF: 832055.2/47

Right: -120.616+/-0.047 χ^2/NDF: 619466.2/48

In: -138.040+/-0.039 χ^2/NDF:493702.5/44

Out: -131.070+/-0.037 χ^2/NDF:1065680.4/51

All: -134.376+/-0.027 χ^2/NDF: 1576480.1/96



Right In: 171.424+/-2.054 χ^2/NDF: 461.9/4

Left Out: 173.229+/-0.966 χ^2/NDF:5846.0/24

Right Out: 192.597+/-1.433 χ^2/NDF: 1688.8/7

Left In: 183.984+/-0.991 χ^2/NDF:3613.7/22

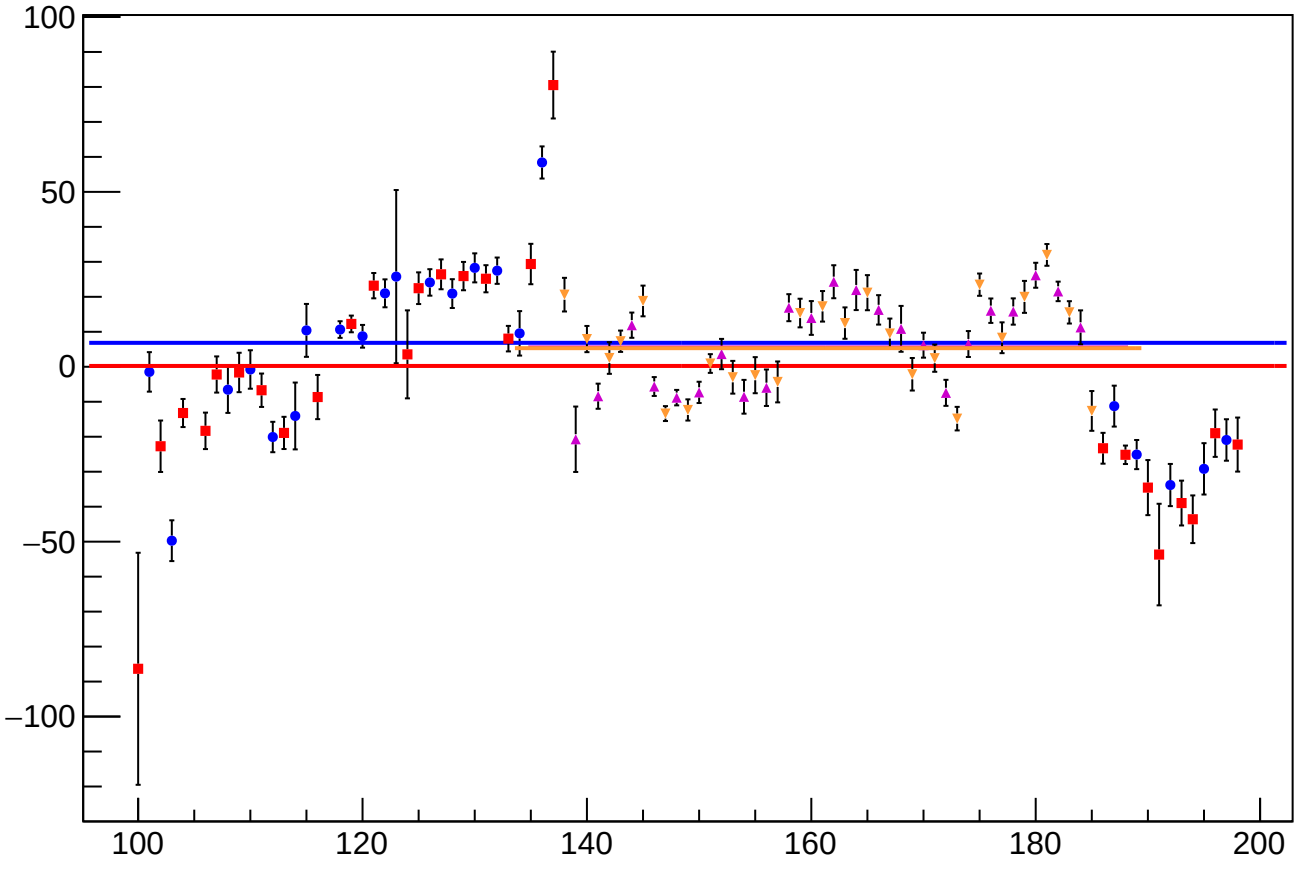
Left: 178.467+/-0.692 χ^2/NDF: 9520.1/47

Right: 185.668+/-1.175 χ^2/NDF: 2222.2/12

In: 181.613+/-0.893 χ^2/NDF:4105.9/27

Out: 179.278+/-0.801 χ^2/NDF:7660.4/32

All: 180.319+/-0.596 χ^2/NDF: 11770.1/60



Right In: 6.843+/-0.988 χ^2/NDF: 537.0/21

Left Out: 5.321+/-0.747 χ^2/NDF:345.5/24

Right Out: 0.235+/-0.909 χ^2/NDF: 621.5/26

Left In: 5.527+/-0.781 χ^2/NDF:256.3/22

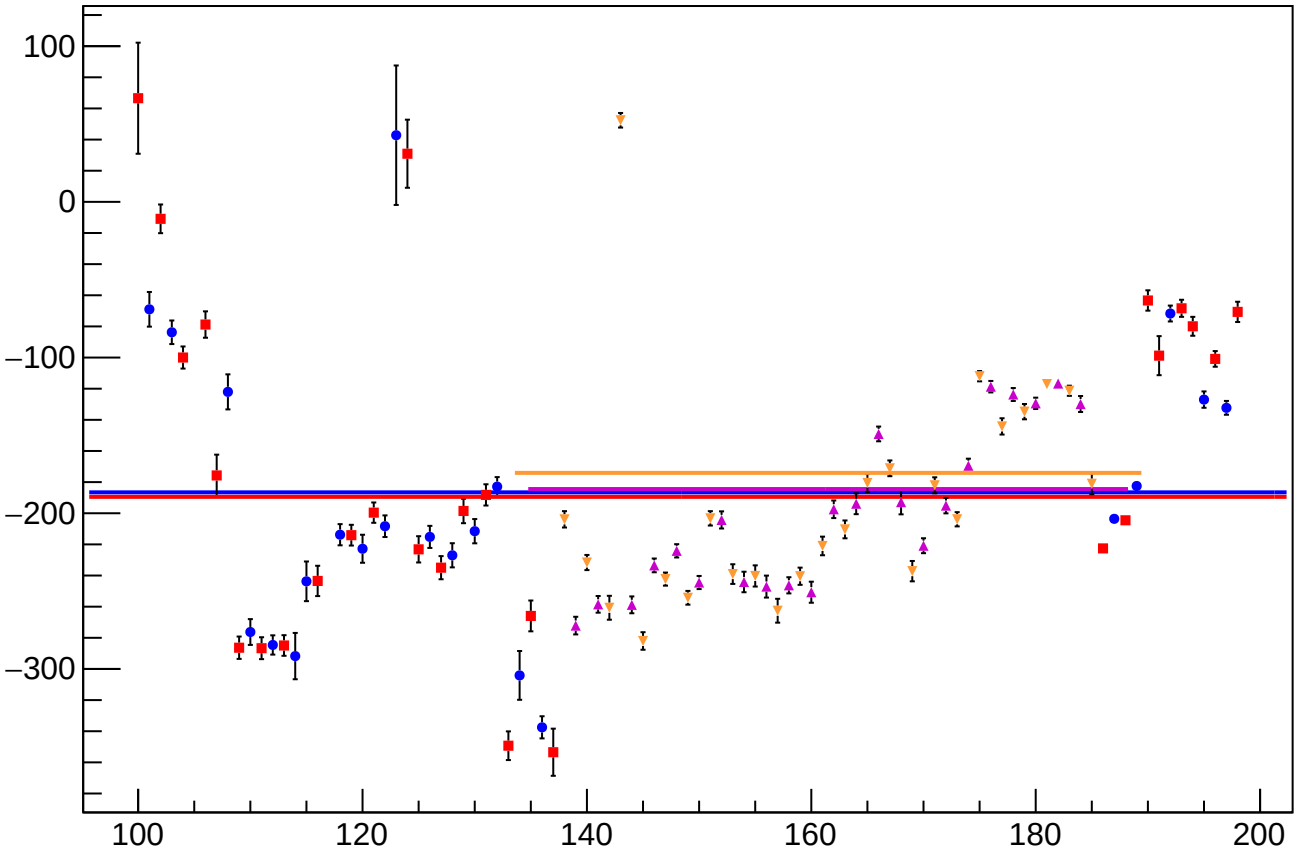
Left: 5.420+/-0.540 χ^2/NDF: 601.9/47

Right: 3.267+/-0.669 χ^2/NDF: 1182.7/48

In: 6.033+/-0.613 χ^2/NDF:794.4/44

Out: 3.271+/-0.577 χ^2/NDF:985.7/51

All: 4.571+/-0.420 χ^2/NDF: 1790.9/96



Right In: -186.576+/-1.308 χ^2/NDF: 2215.3/21

Left Out: -174.061+/-0.971 χ^2/NDF:5443.3/24

Right Out: -189.460+/-1.004 χ^2/NDF: 4136.9/26

Left In: -184.456+/-0.991 χ^2/NDF:3051.6/22

Left: -179.154+/-0.693 χ^2/NDF: 8551.0/47

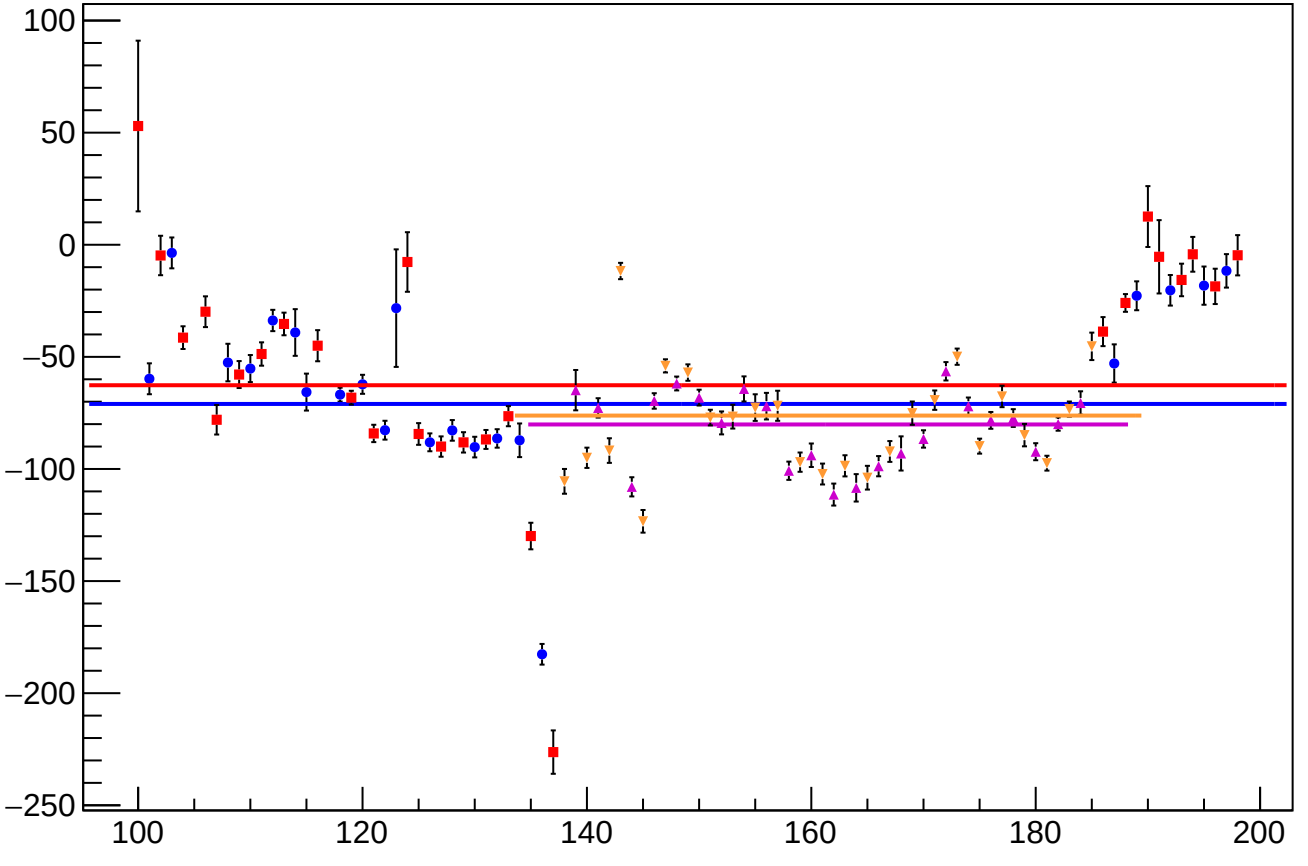
Right: -188.390+/-0.797 χ^2/NDF: 6355.3/48

In: -185.229+/-0.790 χ^2/NDF:5268.6/44

Out: -181.499+/-0.698 χ^2/NDF:9701.7/51

All: -183.135+/-0.523 χ^2/NDF: 14982.8/96

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.999+/-1.161 χ^2/NDF: 1062.1/21

Left Out: -76.182+/-0.857 χ^2/NDF:801.0/24

Right Out: -62.654+/-1.087 χ^2/NDF: 1052.6/26

Left In: -80.149+/-0.889 χ^2/NDF:283.3/22

Left: -78.094+/-0.617 χ^2/NDF: 1094.6/47

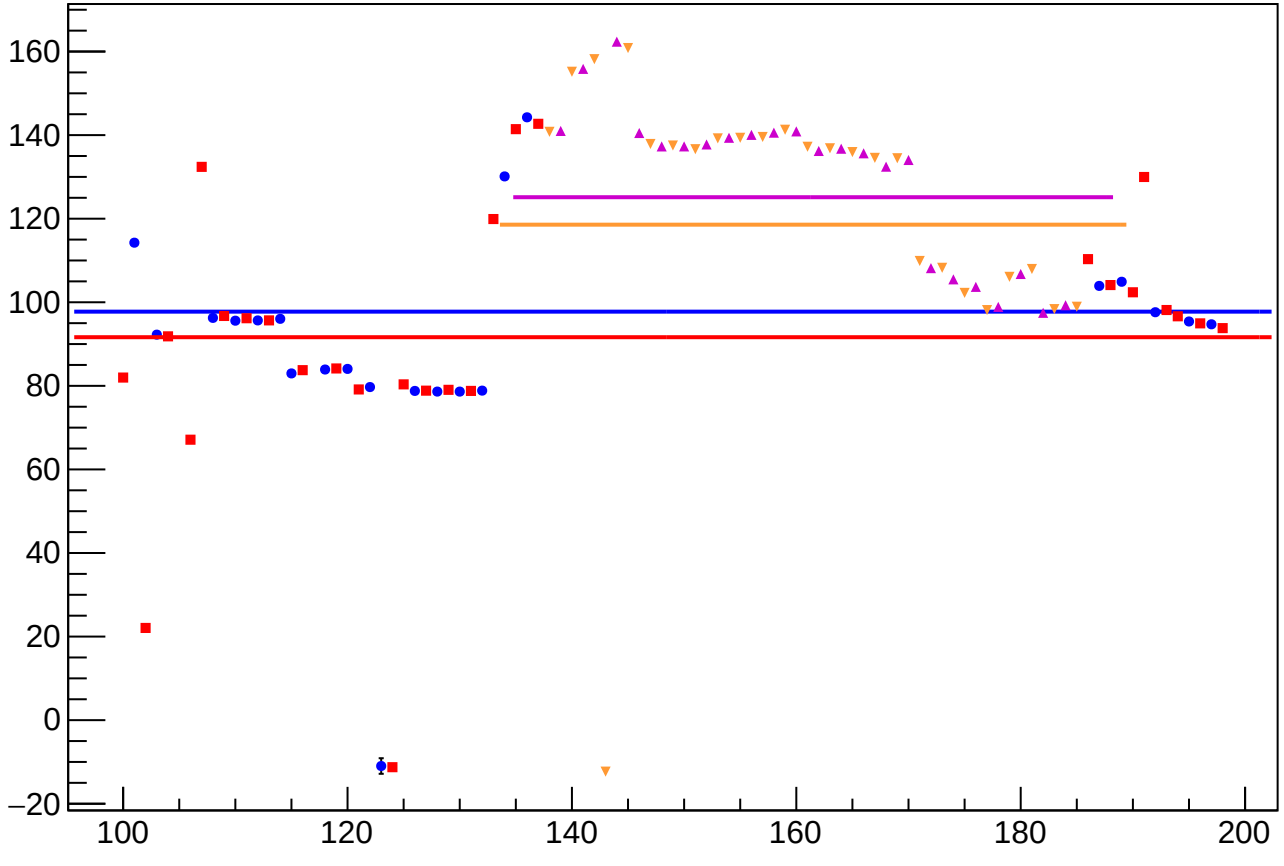
Right: -66.555+/-0.794 χ^2/NDF: 2142.2/48

In: -76.766+/-0.706 χ^2/NDF:1384.5/44

Out: -70.997+/-0.673 χ^2/NDF:1949.0/51

All: -73.745+/-0.487 χ^2/NDF: 3368.5/96

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.756+/-0.063 χ^2/NDF: 94841.8/21

Left Out: 118.569+/-0.040 χ^2/NDF:728689.7/24

Right Out: 91.640+/-0.056 χ^2/NDF: 239813.4/26

Left In: 125.139+/-0.041 χ^2/NDF:220927.1/22

Left: 121.790+/-0.029 χ^2/NDF: 962526.8/47

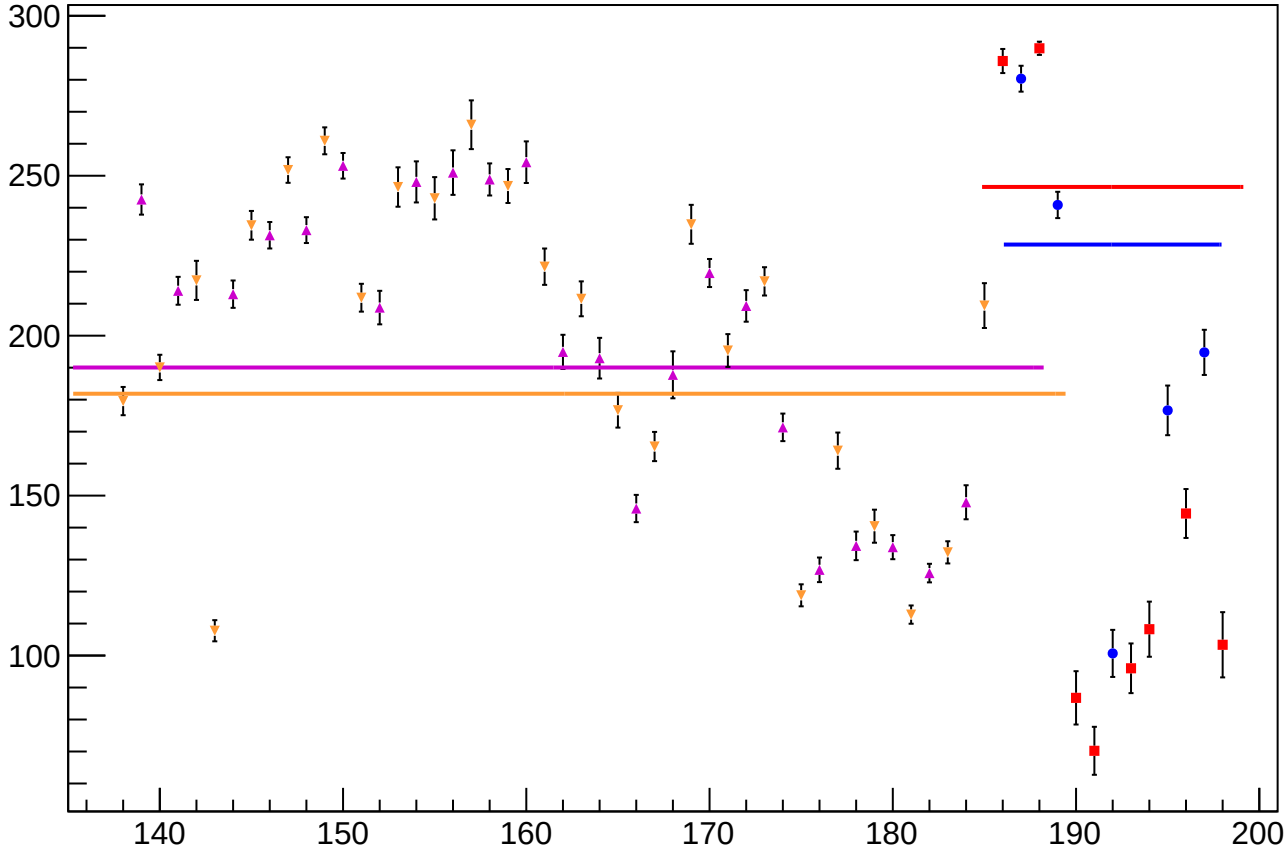
Right: 94.313+/-0.042 χ^2/NDF: 339923.9/48

In: 116.954+/-0.035 χ^2/NDF:447277.3/44

Out: 109.260+/-0.033 χ^2/NDF:1121392.4/51

All: 112.900+/-0.024 χ^2/NDF: 1594777.3/96

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 228.485+/-2.388 χ^2/NDF: 542.3/4

Left Out: 181.850+/-0.913 χ^2/NDF:3303.4/24

Right Out: 246.498+/-1.595 χ^2/NDF: 2476.0/7

Left In: 190.048+/-0.953 χ^2/NDF:2438.4/22

Left: 185.775+/-0.659 χ^2/NDF: 5780.3/47

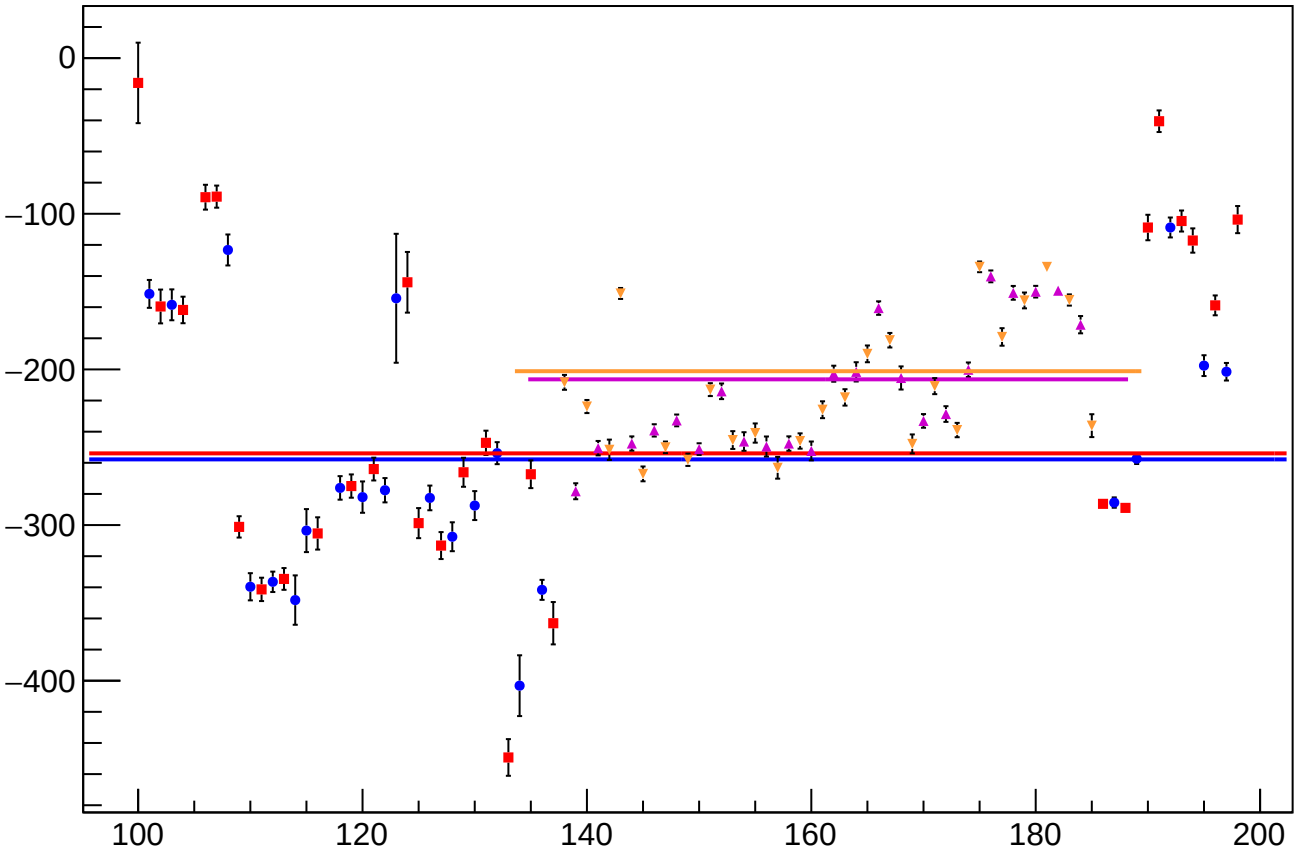
Right: 240.944+/-1.326 χ^2/NDF: 3057.7/12

In: 195.326+/-0.885 χ^2/NDF:3204.1/27

Out: 197.819+/-0.793 χ^2/NDF:7016.9/32

All: 196.709+/-0.590 χ^2/NDF: 10225.5/60

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
Right In: 10.955+/-1.085 χ²/NDF: 651.3/21
Left Out: 5.394+/-0.688 χ²/NDF:526.5/24
Right Out: 2.186+/-0.957 χ²/NDF: 844.0/26
Left In: 6.206+/-0.732 χ²/NDF:407.5/22
Left: 5.775+/-0.501 χ²/NDF: 934.7/47
Right: 6.022+/-0.718 χ²/NDF: 1532.1/48
In: 7.691+/-0.607 χ²/NDF:1072.0/44
Out: 4.300+/-0.559 χ²/NDF:1378.0/51
All: 5.856+/-0.411 χ²/NDF: 2466.8/96



Right In: -257.804+/-1.470 χ^2/NDF: 1790.6/21

Left Out: -201.144+/-0.918 χ^2/NDF:2488.8/24

Right Out: -253.941+/-1.098 χ^2/NDF: 5171.3/26

Left In: -206.379+/-0.950 χ^2/NDF:2111.6/22

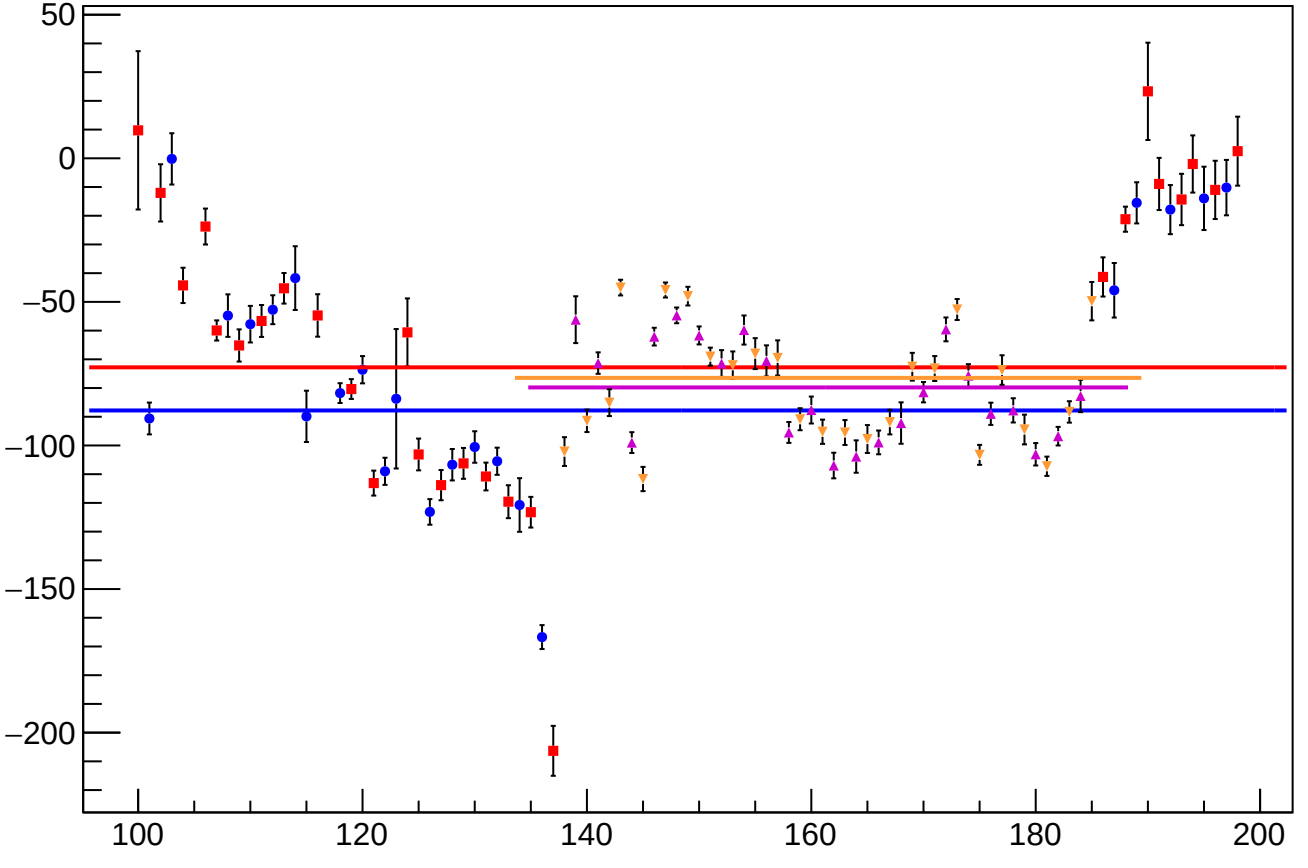
Left: -203.672+/-0.660 χ^2/NDF: 4616.1/47

Right: -255.325+/-0.880 χ^2/NDF: 6966.3/48

In: -221.525+/-0.798 χ^2/NDF:4766.0/44

Out: -222.857+/-0.704 χ^2/NDF:9020.9/51

All: -222.274+/-0.528 χ^2/NDF: 13788.5/96



Right In: -87.808+/-1.273 χ^2/NDF: 999.8/21

Left Out: -76.460+/-0.797 χ^2/NDF:781.3/24

Right Out: -72.790+/-1.147 χ^2/NDF: 1272.4/26

Left In: -79.792+/-0.840 χ^2/NDF:412.3/22

Left: -78.038+/-0.578 χ^2/NDF: 1201.9/47

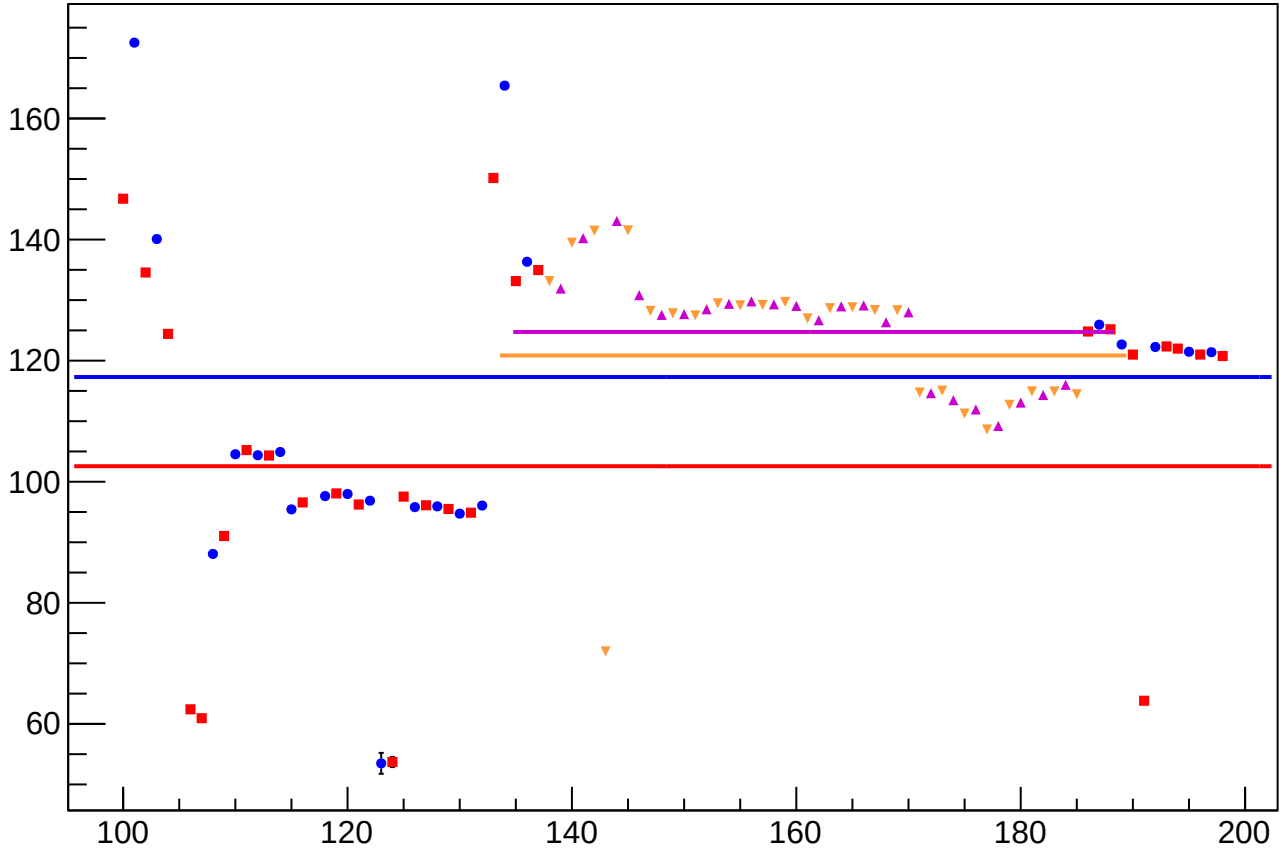
Right: -79.521+/-0.852 χ^2/NDF: 2349.0/48

In: -82.223+/-0.701 χ^2/NDF:1439.7/44

Out: -75.266+/-0.654 χ^2/NDF:2060.6/51

All: -78.505+/-0.478 χ^2/NDF: 3553.0/96

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.295+/-0.070 χ^2/NDF: 107070.3/21

Left Out: 120.855+/-0.038 χ^2/NDF:182759.1/24

Right Out: 102.561+/-0.058 χ^2/NDF: 228069.1/26

Left In: 124.738+/-0.039 χ^2/NDF:51298.3/22

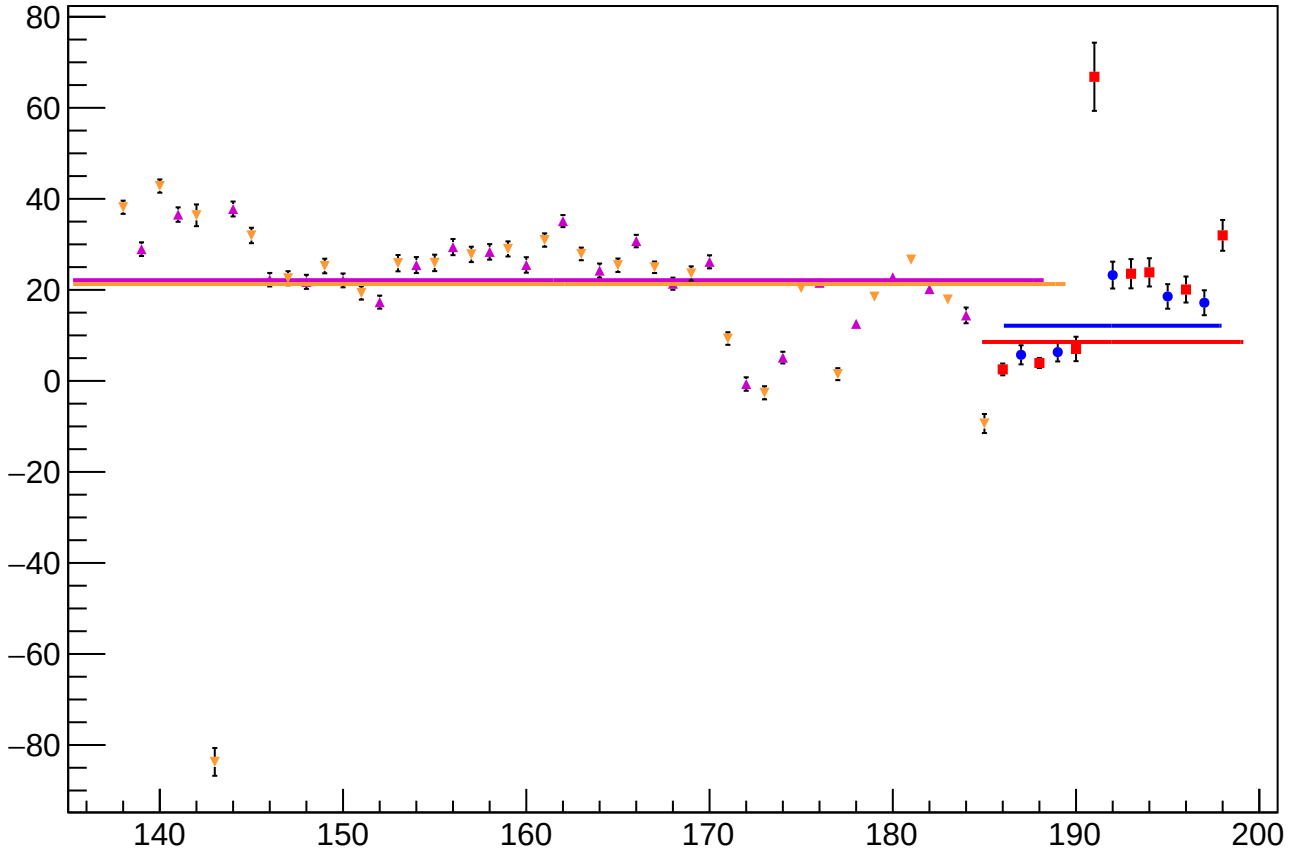
Left: 122.737+/-0.027 χ^2/NDF: 239101.1/47

Right: 108.576+/-0.045 χ^2/NDF: 361466.9/48

In: 122.952+/-0.034 χ^2/NDF:166999.5/44

Out: 115.352+/-0.032 χ^2/NDF:480341.7/51

All: 118.877+/-0.023 χ^2/NDF: 673791.5/96



Right In: 12.123+/-1.085 χ^2/NDF: 40.5/4

Left Out: 21.282+/-0.282 χ^2/NDF:2600.5/24

Right Out: 8.556+/-0.713 χ^2/NDF: 209.9/7

Left In: 22.127+/-0.285 χ^2/NDF:900.2/22

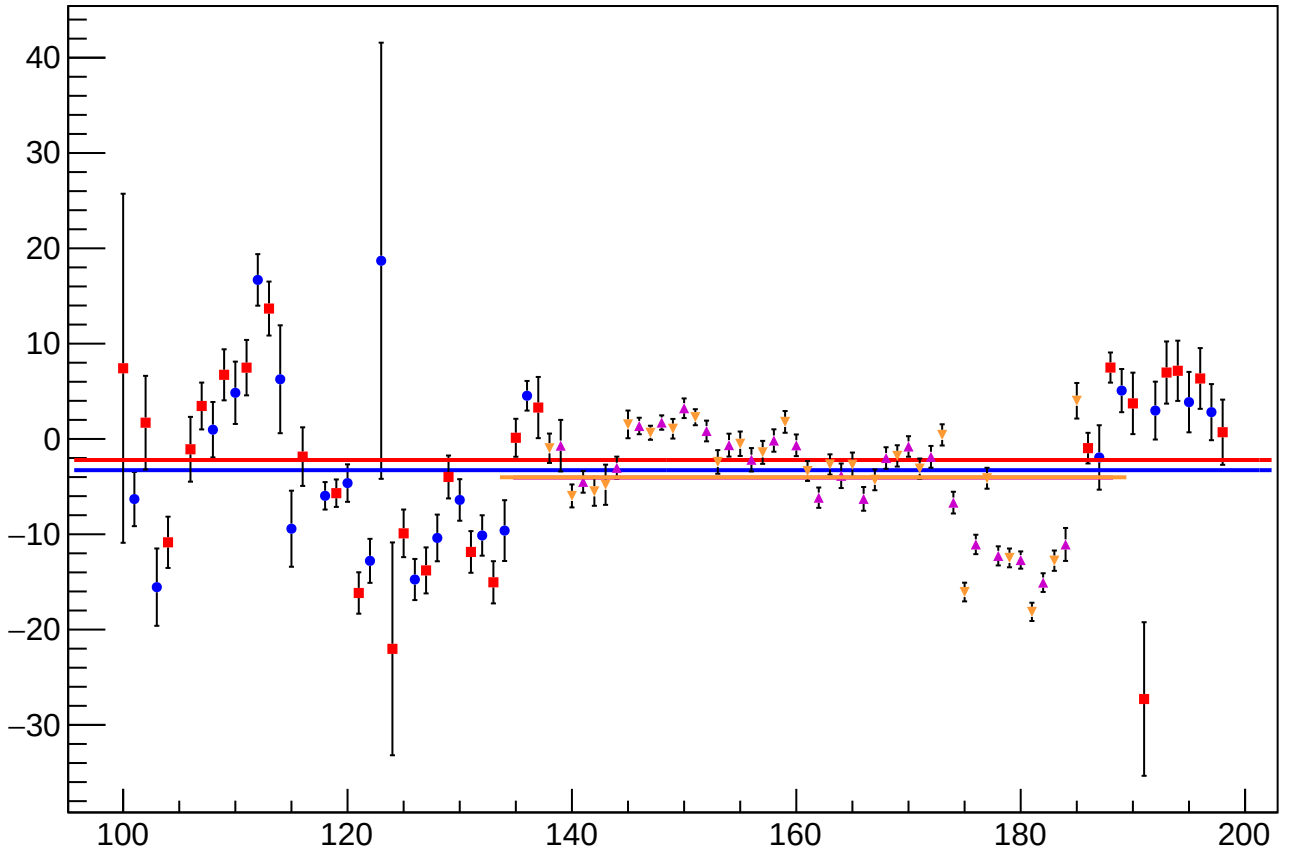
Left: 21.700+/-0.201 χ^2/NDF: 3505.2/47

Right: 9.631+/-0.596 χ^2/NDF: 258.0/12

In: 21.479+/-0.276 χ^2/NDF:1020.3/27

Out: 19.554+/-0.263 χ^2/NDF:3086.1/32

All: 20.468+/-0.190 χ^2/NDF: 4131.9/60



Right In: -3.275+/-0.535 χ^2/NDF: 205.8/21

Left Out: -4.022+/-0.223 χ^2/NDF:734.1/24

Right Out: -2.208+/-0.488 χ^2/NDF: 287.2/26

Left In: -4.059+/-0.228 χ^2/NDF:577.2/22

Left: -4.040+/-0.159 χ^2/NDF: 1311.4/47

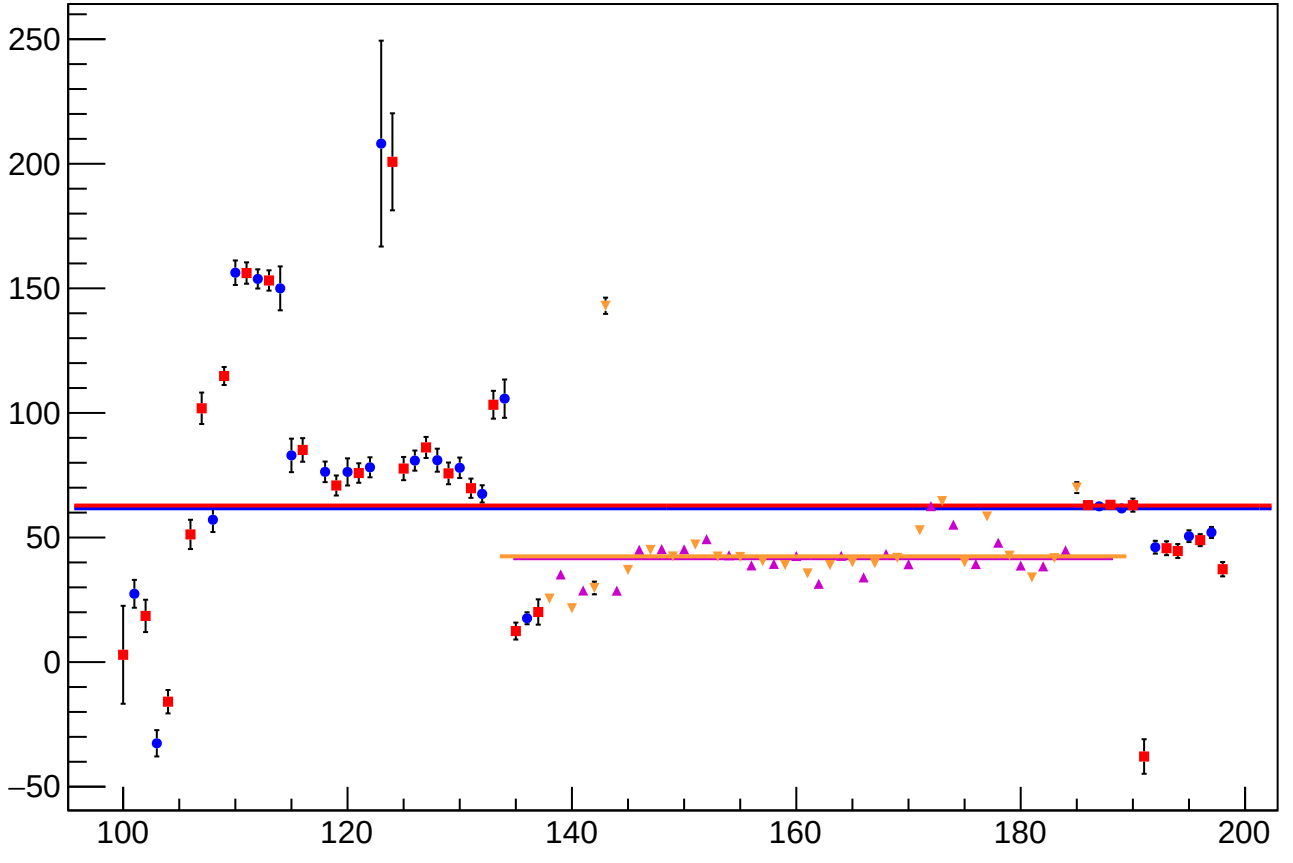
Right: -2.692+/-0.361 χ^2/NDF: 495.2/48

In: -3.938+/-0.210 χ^2/NDF:784.9/44

Out: -3.708+/-0.203 χ^2/NDF:1032.8/51

All: -3.819+/-0.146 χ^2/NDF: 1818.3/96

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.731+/-0.700 χ^2/NDF: 1966.6/21

Left Out: 42.452+/-0.282 χ^2/NDF:2016.0/24

Right Out: 62.833+/-0.516 χ^2/NDF: 2437.9/26

Left In: 41.695+/-0.284 χ^2/NDF:630.2/22

Left: 42.077+/-0.200 χ^2/NDF: 2649.8/47

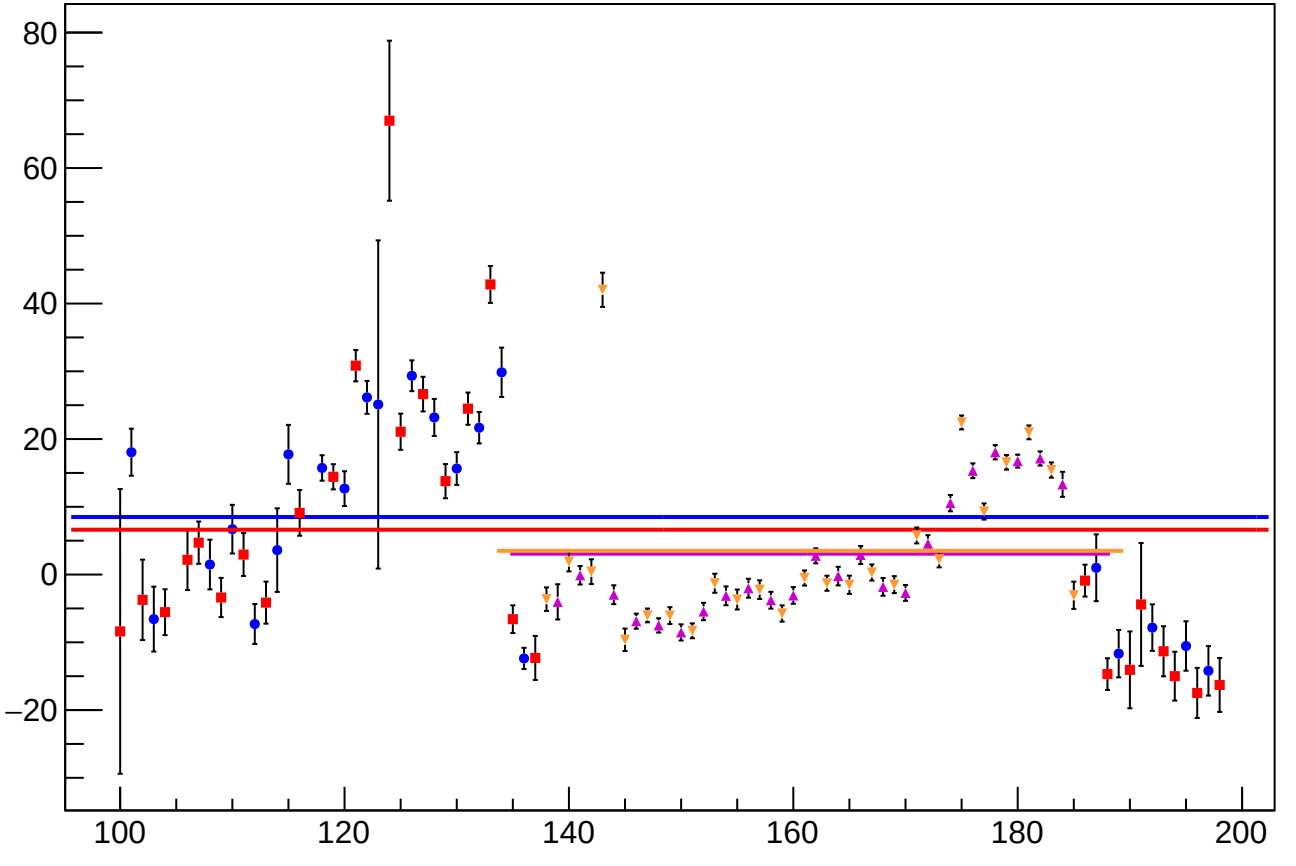
Right: 62.445+/-0.416 χ^2/NDF: 4406.1/48

In: 44.530+/-0.263 χ^2/NDF:3300.5/44

Out: 47.132+/-0.247 χ^2/NDF:5653.9/51

All: 45.911+/-0.180 χ^2/NDF: 9006.2/96

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.491+/-0.620 χ^2/NDF: 616.9/21

Left Out: 3.505+/-0.252 χ^2/NDF:1691.3/24

Right Out: 6.621+/-0.582 χ^2/NDF: 847.4/26

Left In: 3.081+/-0.257 χ^2/NDF:1265.7/22

Left: 3.297+/-0.180 χ^2/NDF: 2958.4/47

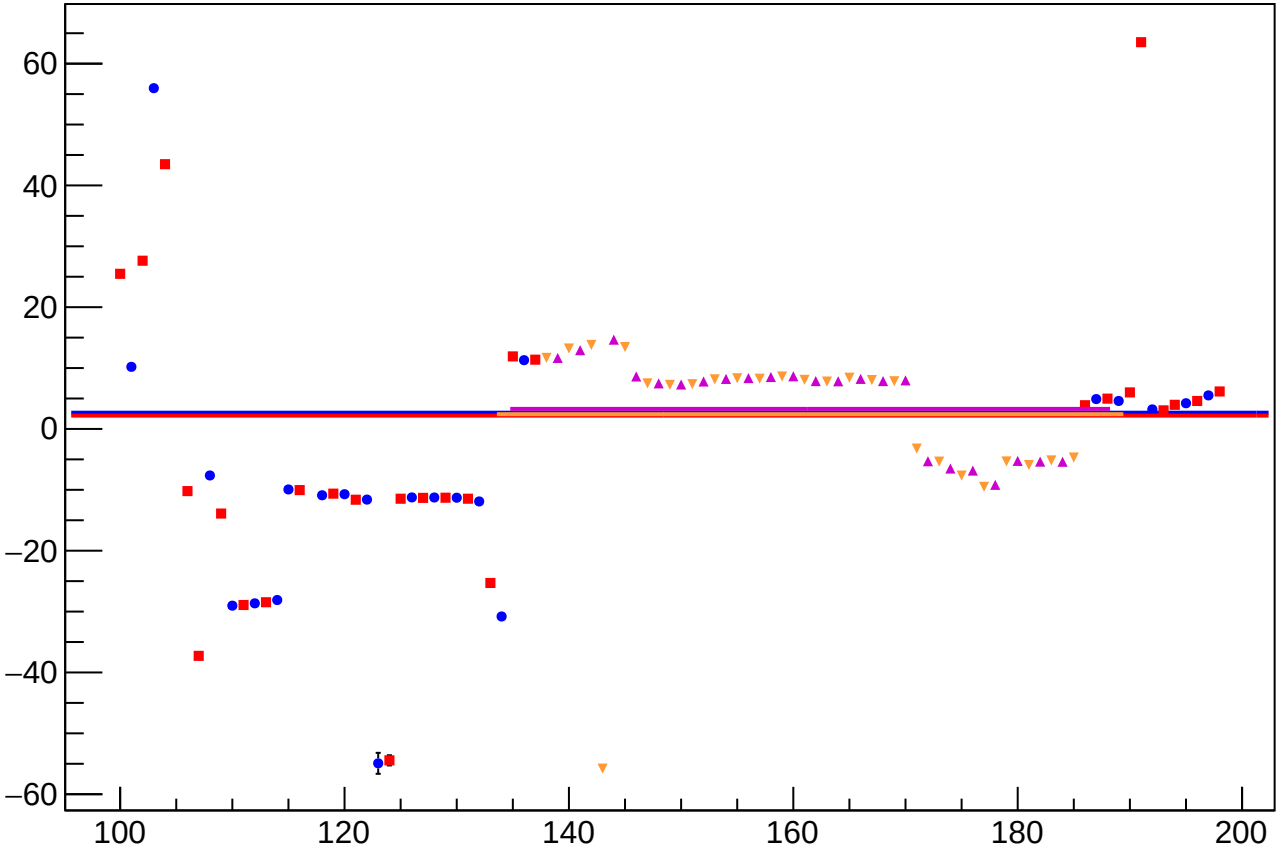
Right: 7.497+/-0.424 χ^2/NDF: 1469.2/48

In: 3.876+/-0.237 χ^2/NDF:1947.7/44

Out: 3.998+/-0.232 χ^2/NDF:2562.9/51

All: 3.939+/-0.166 χ^2/NDF: 4510.7/96

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.667+/-0.031 χ^2/NDF: 359187.2/21

Left Out: 2.425+/-0.012 χ^2/NDF:616382.5/24

Right Out: 2.187+/-0.029 χ^2/NDF: 430715.9/26

Left In: 3.293+/-0.012 χ^2/NDF:404323.8/22

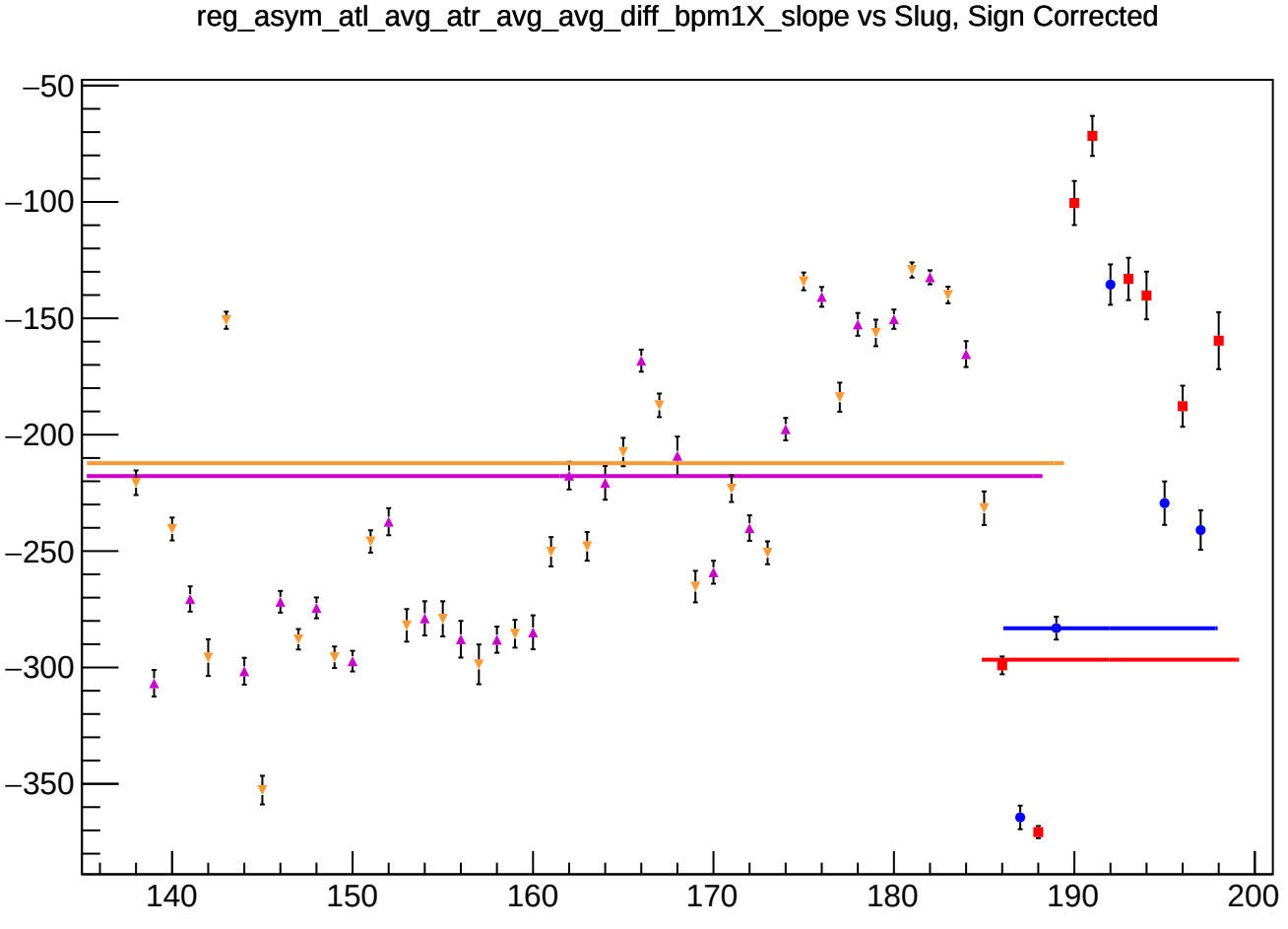
Left: 2.855+/-0.008 χ^2/NDF: 1023497.1/47

Right: 2.407+/-0.021 χ^2/NDF: 790029.8/48

In: 3.217+/-0.011 χ^2/NDF:763859.9/44

Out: 2.392+/-0.011 χ^2/NDF:1047156.9/51

All: 2.797+/-0.008 χ^2/NDF: 1813913.4/96



Right In: -283.159+/-2.894 χ^2/NDF: 605.7/4

Left Out: -212.231+/-1.029 χ^2/NDF:3875.4/24

Right Out: -296.653+/-1.885 χ^2/NDF: 2754.8/7

Left In: -217.779+/-1.067 χ^2/NDF:3448.9/22

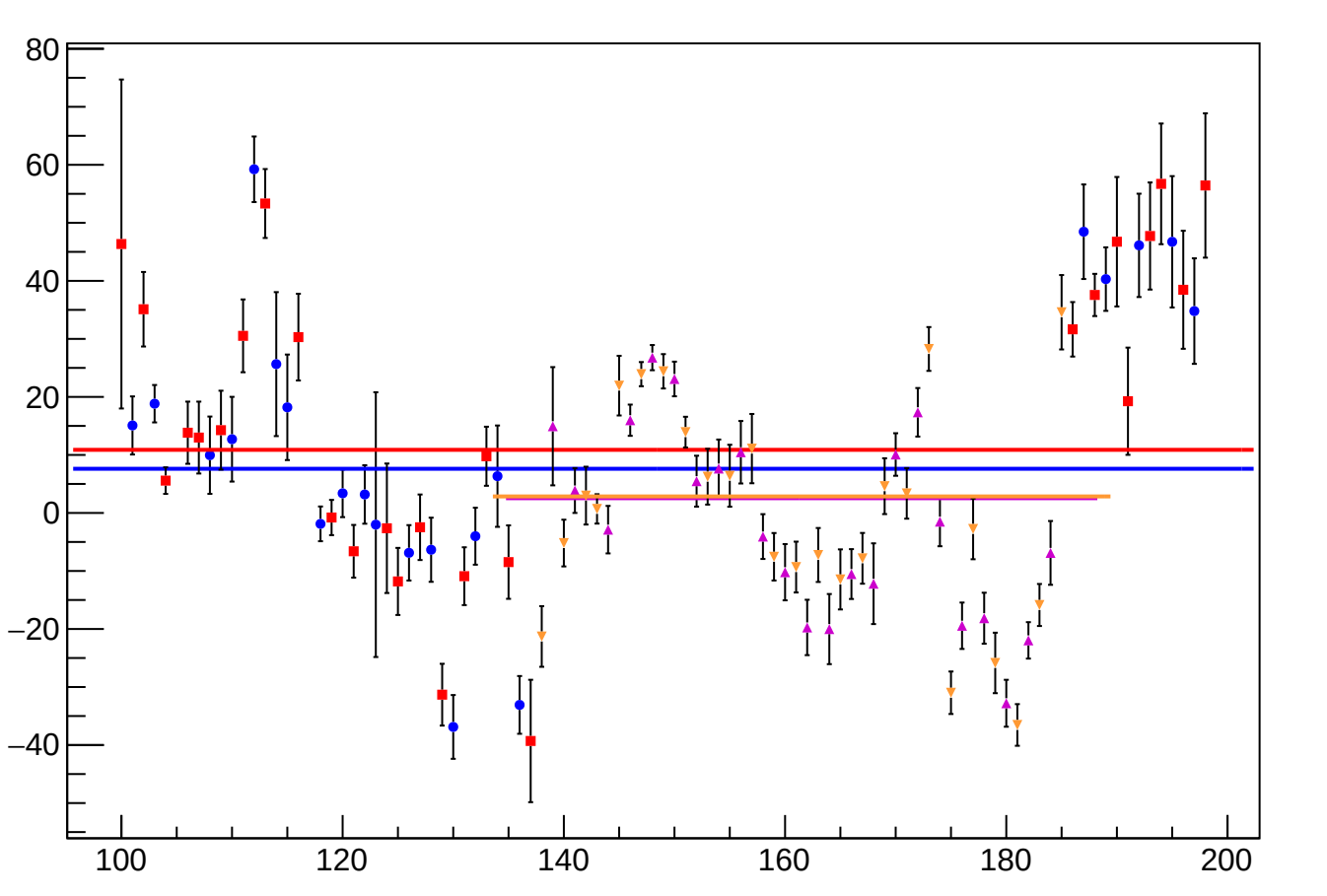
Left: -214.906+/-0.741 χ^2/NDF: 7338.3/47

Right: -292.632+/-1.580 χ^2/NDF: 3375.8/12

In: -225.600+/-1.001 χ^2/NDF:4504.0/27

Out: -231.617+/-0.904 χ^2/NDF:8174.6/32

All: -228.916+/-0.671 χ^2/NDF: 12698.5/60



Right In: 7.613+/-1.174 χ^2/NDF: 367.9/21

Left Out: 2.848+/-0.775 χ^2/NDF:582.1/24

Right Out: 10.878+/-1.041 χ^2/NDF: 396.3/26

Left In: 2.540+/-0.822 χ^2/NDF:473.6/22

Left: 2.703+/-0.564 χ^2/NDF: 1055.8/47

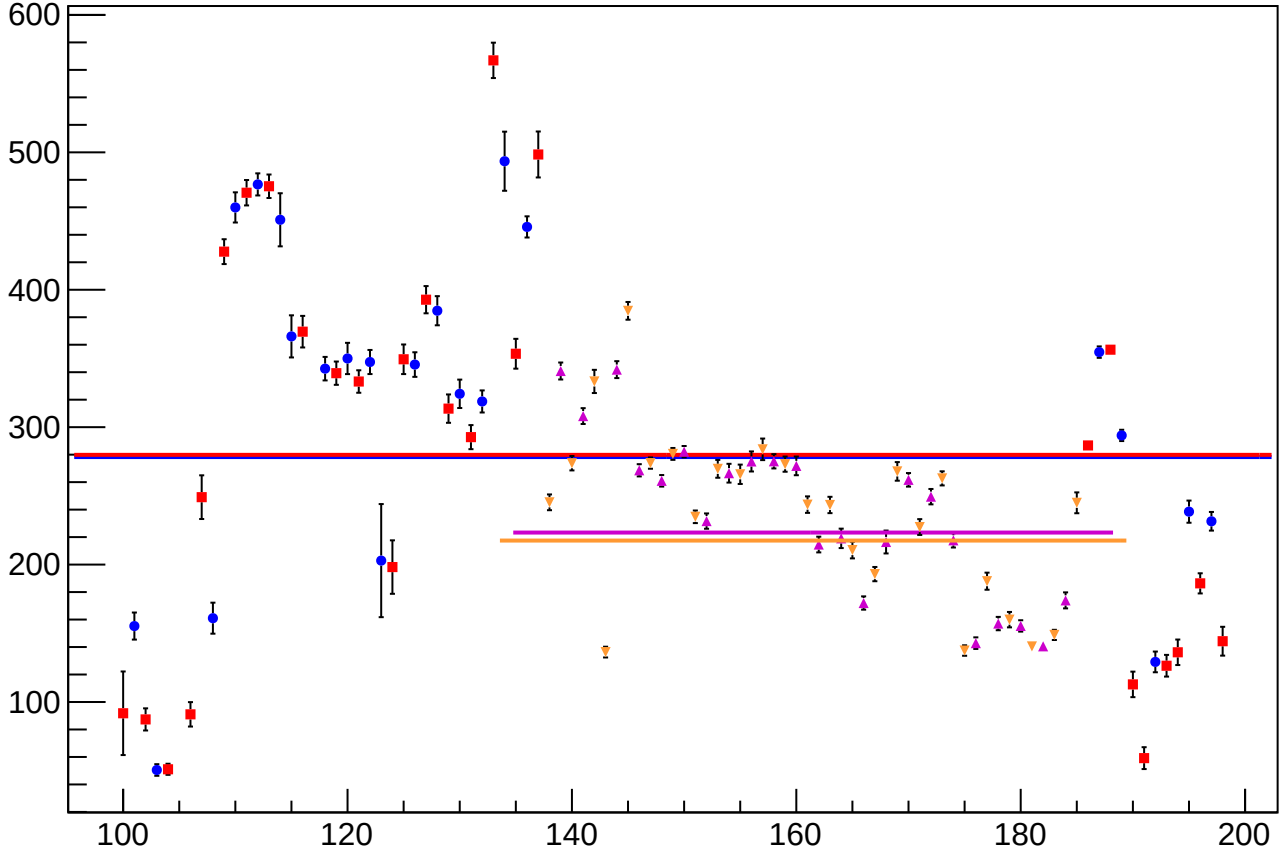
Right: 9.441+/-0.779 χ^2/NDF: 768.5/48

In: 4.210+/-0.674 χ^2/NDF:854.0/44

Out: 5.710+/-0.621 χ^2/NDF:1016.7/51

All: 5.020+/-0.457 χ^2/NDF: 1873.4/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 278.251+/-1.629 χ^2/NDF: 5912.2/21

Left Out: 217.484+/-1.032 χ^2/NDF:3769.5/24

Right Out: 279.857+/-1.242 χ^2/NDF: 9940.5/26

Left In: 223.309+/-1.062 χ^2/NDF:3378.0/22

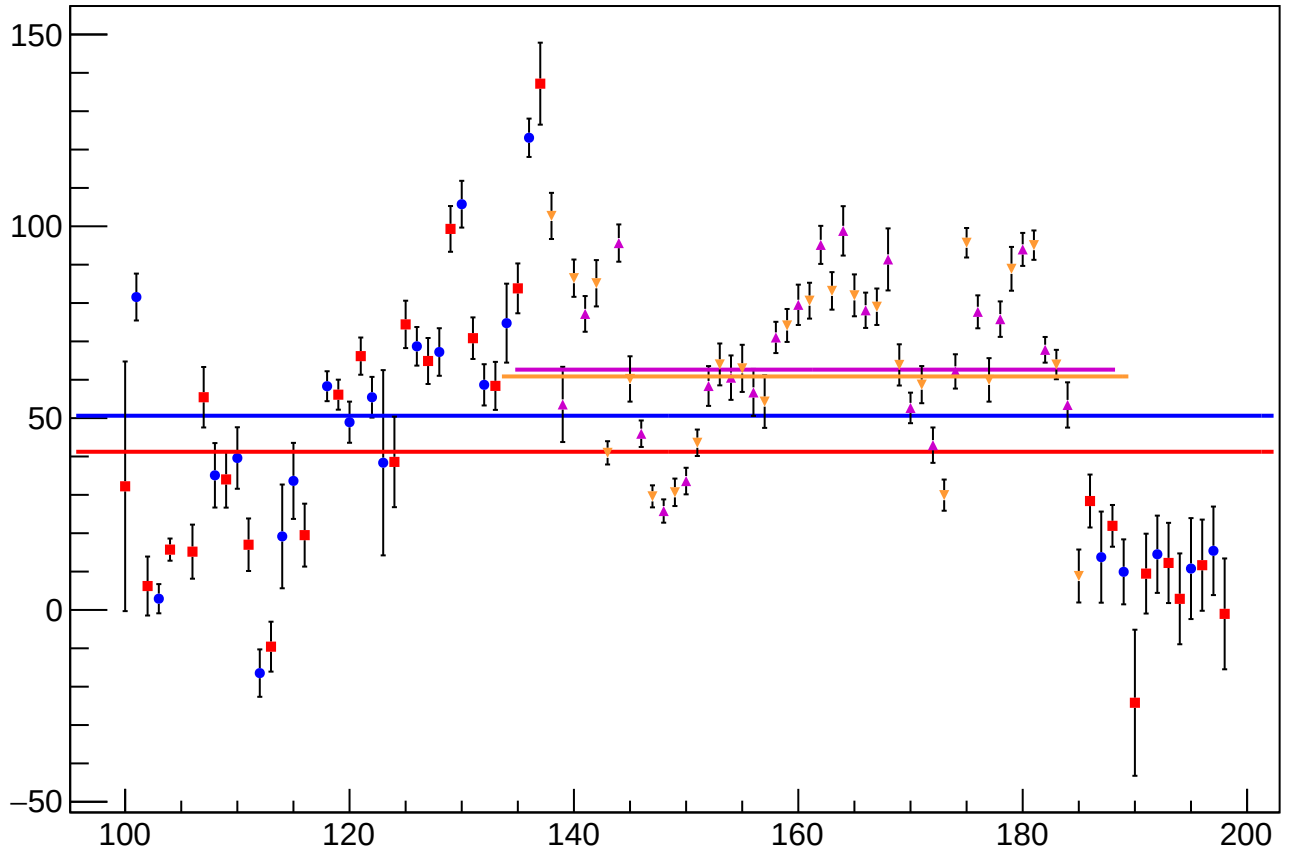
Left: 220.314+/-0.740 χ^2/NDF: 7163.0/47

Right: 279.267+/-0.988 χ^2/NDF: 15853.3/48

In: 239.694+/-0.890 χ^2/NDF:10088.5/44

Out: 242.968+/-0.794 χ^2/NDF:15201.5/51

All: 241.516+/-0.592 χ^2/NDF: 25297.6/96



Right In: 50.624+/-1.379 χ^2/NDF: 703.2/21

Left Out: 60.863+/-0.897 χ^2/NDF:731.6/24

Right Out: 41.232+/-1.254 χ^2/NDF: 608.5/26

Left In: 62.640+/-0.943 χ^2/NDF:515.4/22

Left: 61.707+/-0.650 χ^2/NDF: 1248.9/47

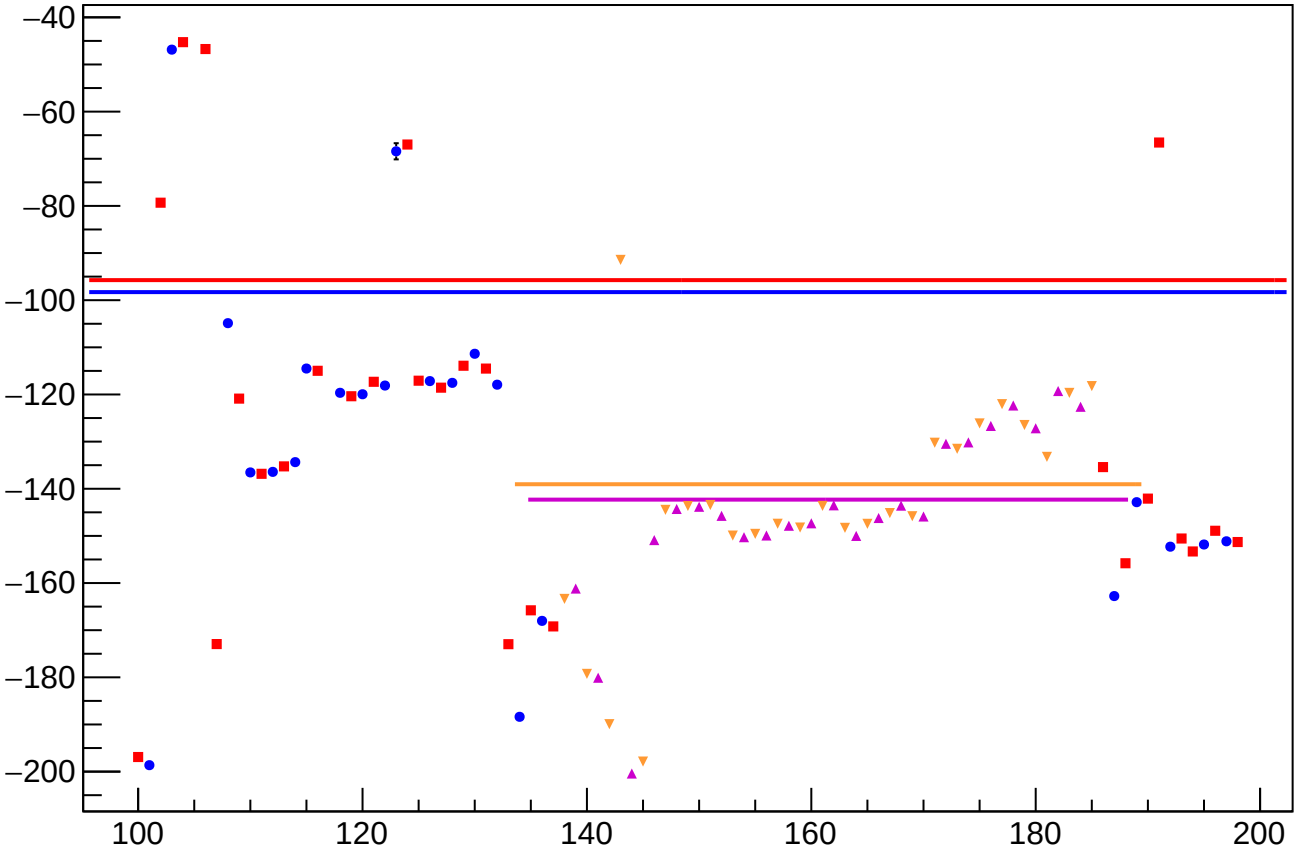
Right: 45.482+/-0.928 χ^2/NDF: 1337.1/48

In: 58.813+/-0.778 χ^2/NDF:1270.3/44

Out: 54.219+/-0.729 χ^2/NDF:1502.4/51

All: 56.367+/-0.532 χ^2/NDF: 2791.2/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -98.286+/-0.063 χ^2/NDF: 631001.2/21

Left Out: -139.040+/-0.043 χ^2/NDF:258113.4/24

Right Out: -95.743+/-0.058 χ^2/NDF: 679369.6/26

Left In: -142.305+/-0.044 χ^2/NDF:143351.8/22

Left: -140.627+/-0.031 χ^2/NDF: 404285.9/47

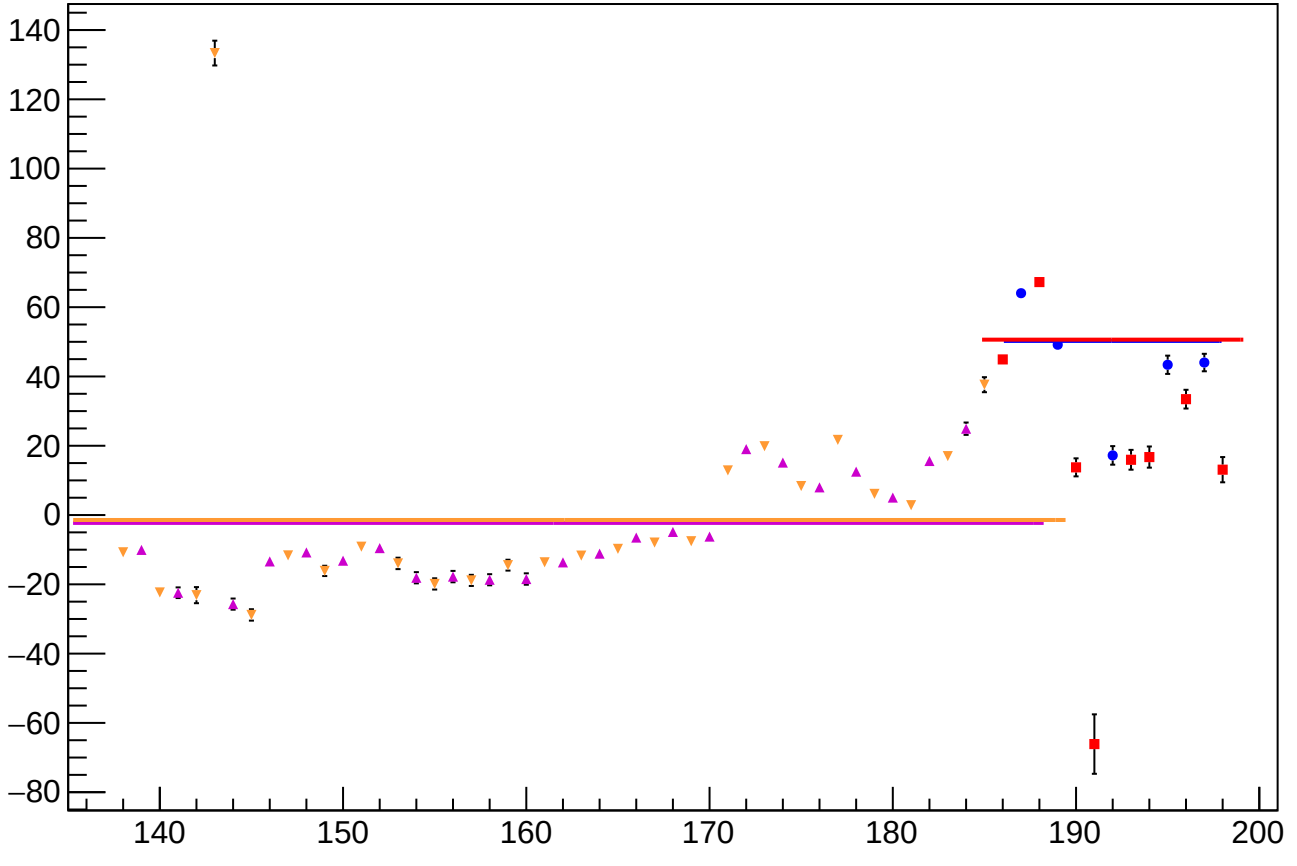
Right: -96.899+/-0.043 χ^2/NDF: 1311247.1/48

In: -127.977+/-0.036 χ^2/NDF:1098987.5/44

Out: -123.716+/-0.034 χ^2/NDF:1298515.3/51

All: -125.741+/-0.025 χ^2/NDF: 2404772.7/96

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.260+/-0.837 χ^2/NDF: 263.8/4

Left Out: -1.427+/-0.268 χ^2/NDF:4339.0/24

Right Out: 50.626+/-0.527 χ^2/NDF: 1306.5/7

Left In: -2.270+/-0.271 χ^2/NDF:2521.6/22

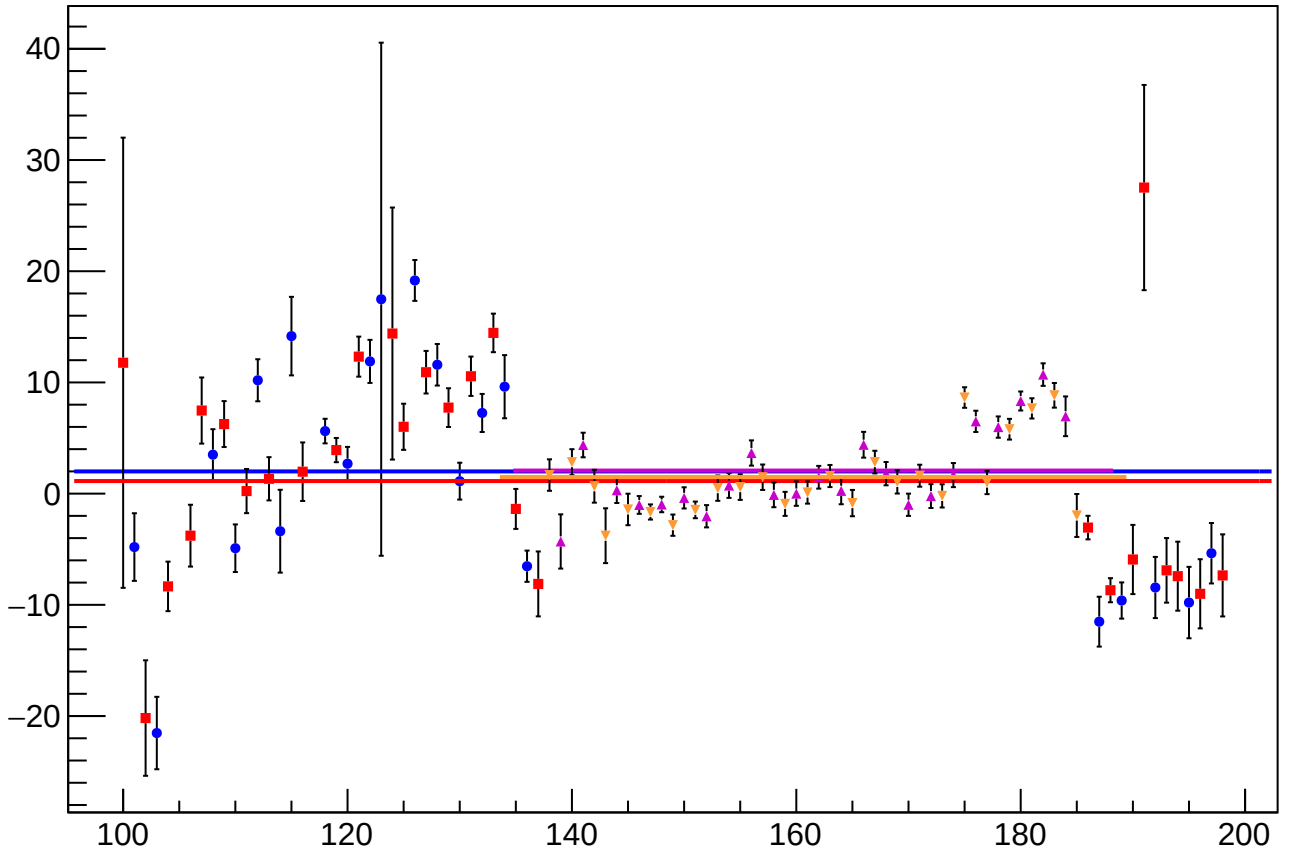
Left: -1.844+/-0.190 χ^2/NDF: 6865.5/47

Right: 50.522+/-0.446 χ^2/NDF: 1570.5/12

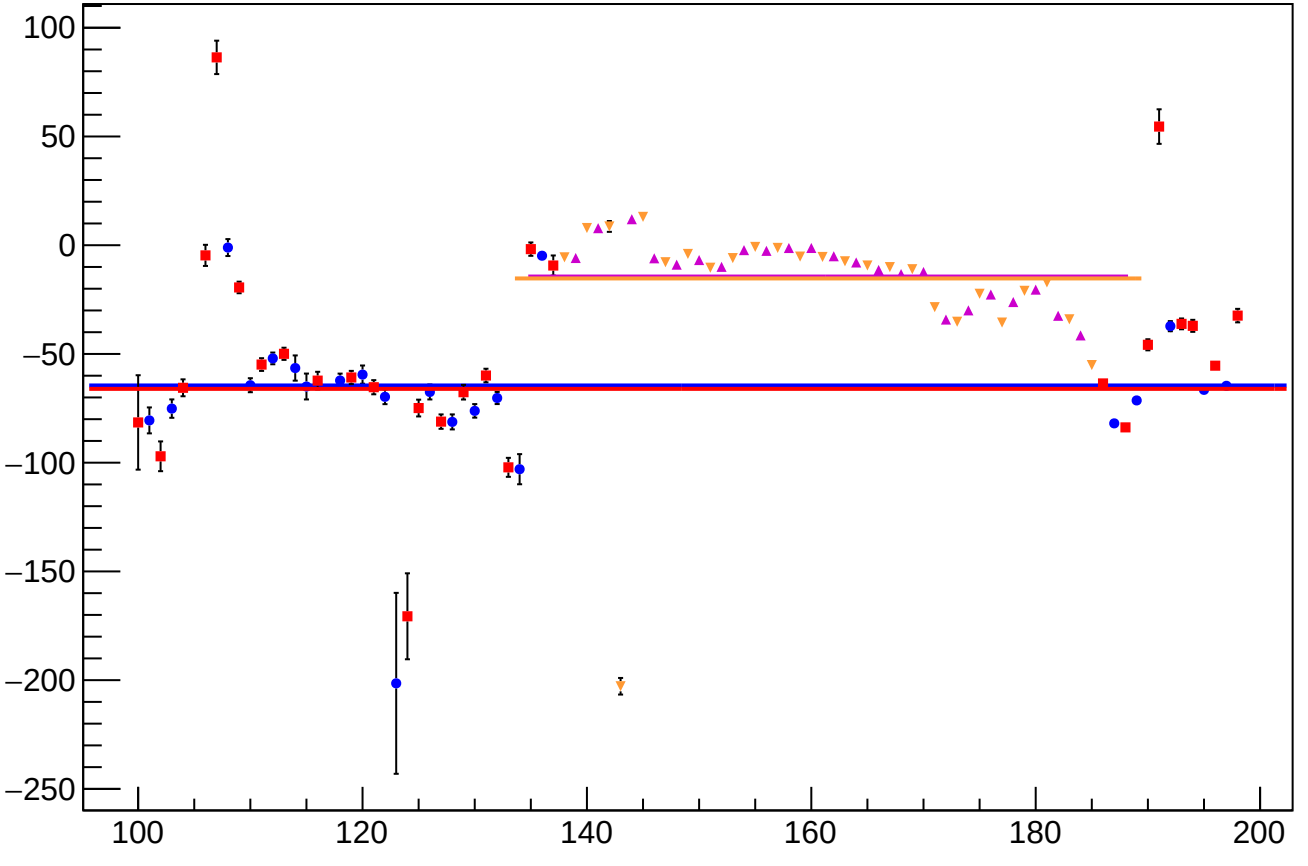
In: 2.706+/-0.258 χ^2/NDF:6351.5/27

Out: 9.261+/-0.239 χ^2/NDF:13413.0/32

All: 6.234+/-0.175 χ^2/NDF: 20113.0/60


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 1.998+/-0.429 χ²/NDF: 428.1/21
Left Out: 1.491+/-0.210 χ²/NDF:259.1/24
Right Out: 1.132+/-0.386 χ²/NDF: 383.6/26
Left In: 2.075+/-0.215 χ²/NDF:274.6/22
Left: 1.776+/-0.150 χ²/NDF: 537.4/47
Right: 1.519+/-0.287 χ²/NDF: 813.9/48
In: 2.059+/-0.192 χ²/NDF:702.7/44
Out: 1.409+/-0.185 χ²/NDF:643.3/51
All: 1.721+/-0.133 χ²/NDF: 1351.9/96

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.489+/-0.543 χ^2/NDF: 1552.2/21

Left Out: -15.279+/-0.267 χ^2/NDF:4820.1/24

Right Out: -66.053+/-0.384 χ^2/NDF: 3157.1/26

Left In: -14.406+/-0.269 χ^2/NDF:2032.4/22

Left: -14.846+/-0.189 χ^2/NDF: 6857.8/47

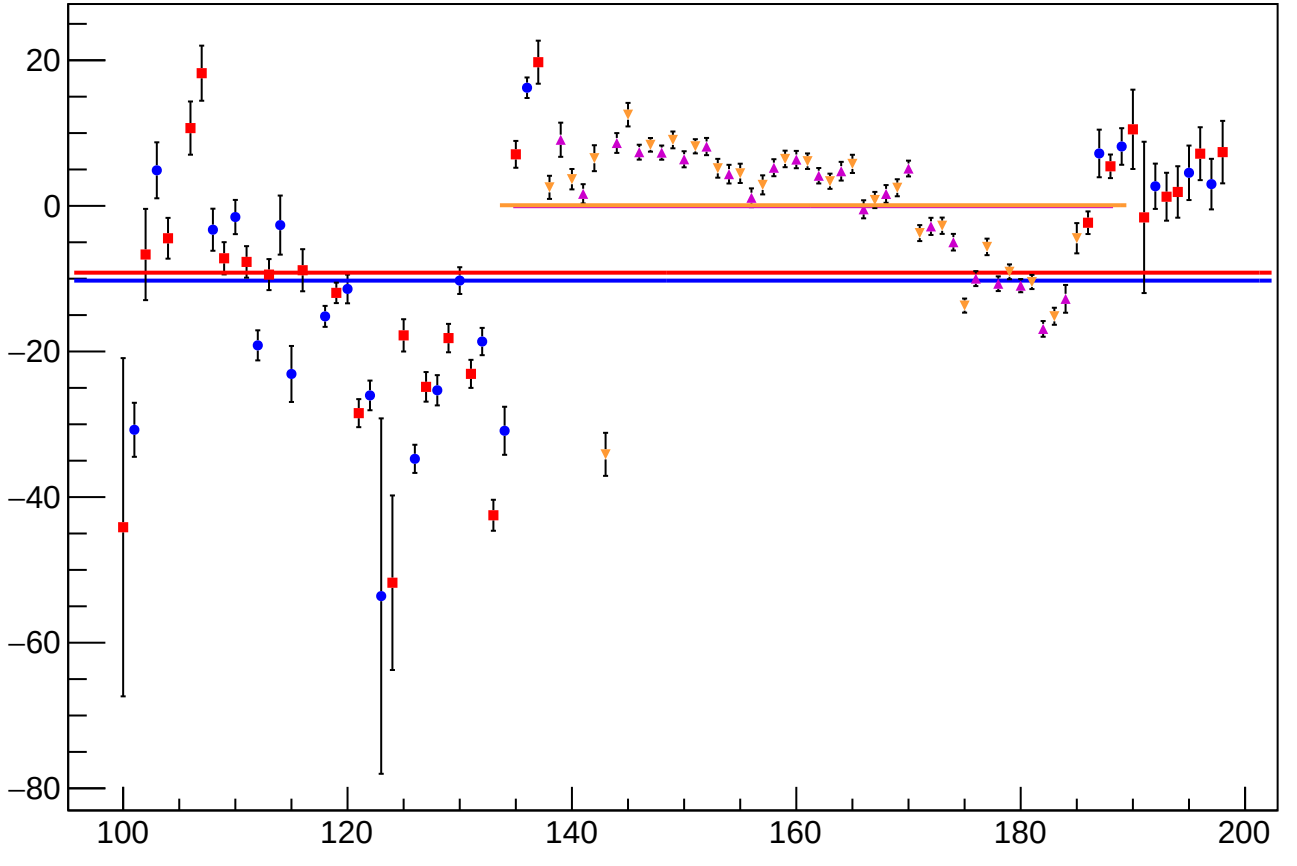
Right: -65.533+/-0.314 χ^2/NDF: 4714.9/48

In: -24.269+/-0.241 χ^2/NDF:10405.7/44

Out: -31.818+/-0.219 χ^2/NDF:19774.6/51

All: -28.405+/-0.162 χ^2/NDF: 30717.2/96

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.266+/-0.502 χ^2/NDF: 928.3/21

Left Out: 0.087+/-0.238 χ^2/NDF:1172.3/24

Right Out: -9.174+/-0.467 χ^2/NDF: 941.2/26

Left In: -0.044+/-0.243 χ^2/NDF:1028.2/22

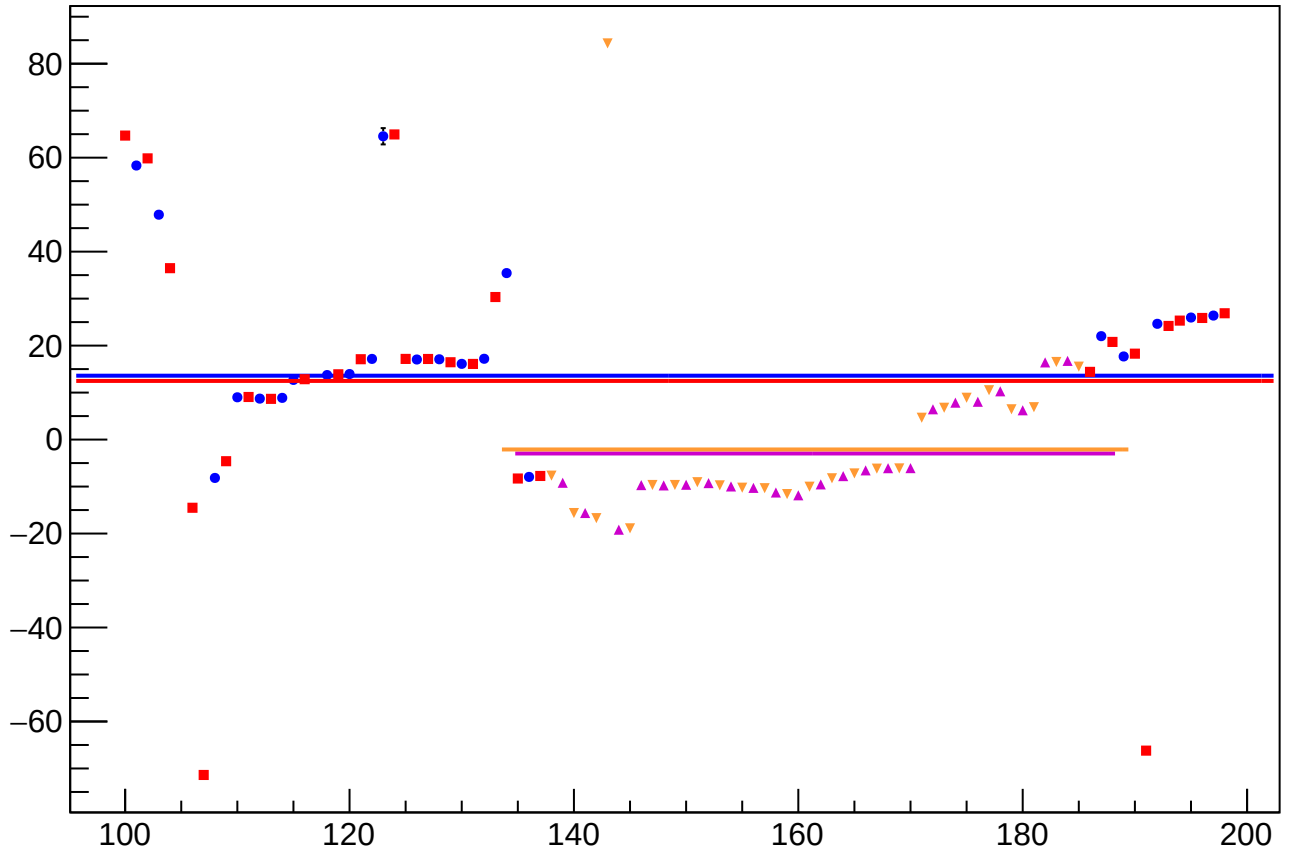
Left: 0.023+/-0.170 χ^2/NDF: 2200.6/47

Right: -9.680+/-0.342 χ^2/NDF: 1872.1/48

In: -1.986+/-0.219 χ^2/NDF:2292.5/44

Out: -1.827+/-0.212 χ^2/NDF:2425.7/51

All: -1.904+/-0.152 χ^2/NDF: 4718.5/96



Right In: 13.597+/-0.027 χ^2/NDF: 430697.1/21

Left Out: -2.105+/-0.011 χ^2/NDF:1093120.2/24

Right Out: 12.483+/-0.025 χ^2/NDF: 709085.8/26

Left In: -2.959+/-0.011 χ^2/NDF:763000.9/22

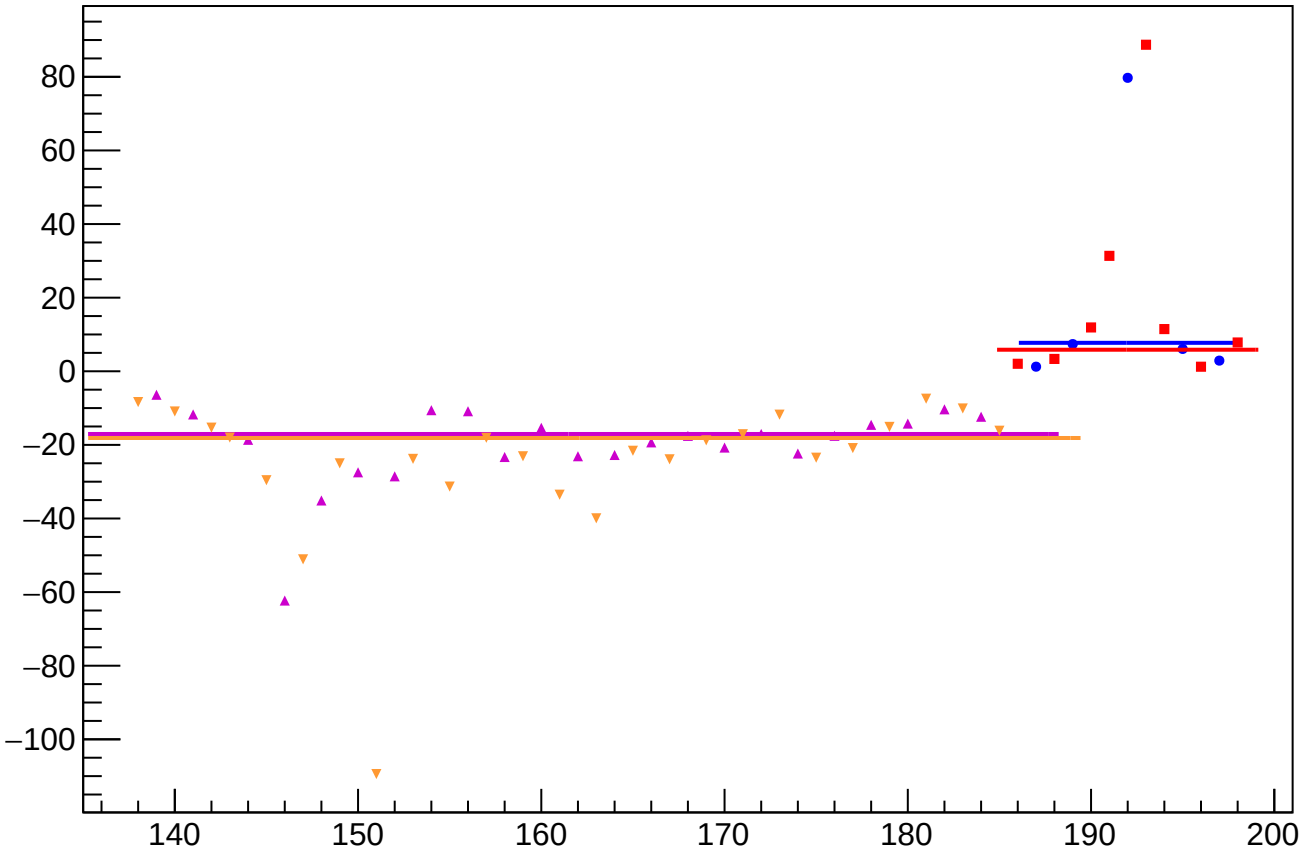
Left: -2.529+/-0.008 χ^2/NDF: 1859155.7/47

Right: 13.001+/-0.018 χ^2/NDF: 1140715.1/48

In: -0.552+/-0.010 χ^2/NDF:1522886.6/44

Out: 0.251+/-0.010 χ^2/NDF:2090289.5/51

All: -0.144+/-0.007 χ^2/NDF: 3616346.8/96



Right In: 7.730+/-0.099 χ^2/NDF: 24291.9/4

Left Out: -18.128+/-0.039 χ^2/NDF:88551.6/24

Right Out: 5.855+/-0.074 χ^2/NDF: 24915.1/7

Left In: -17.038+/-0.038 χ^2/NDF:44141.1/22

Left: -17.572+/-0.027 χ^2/NDF: 133092.4/47

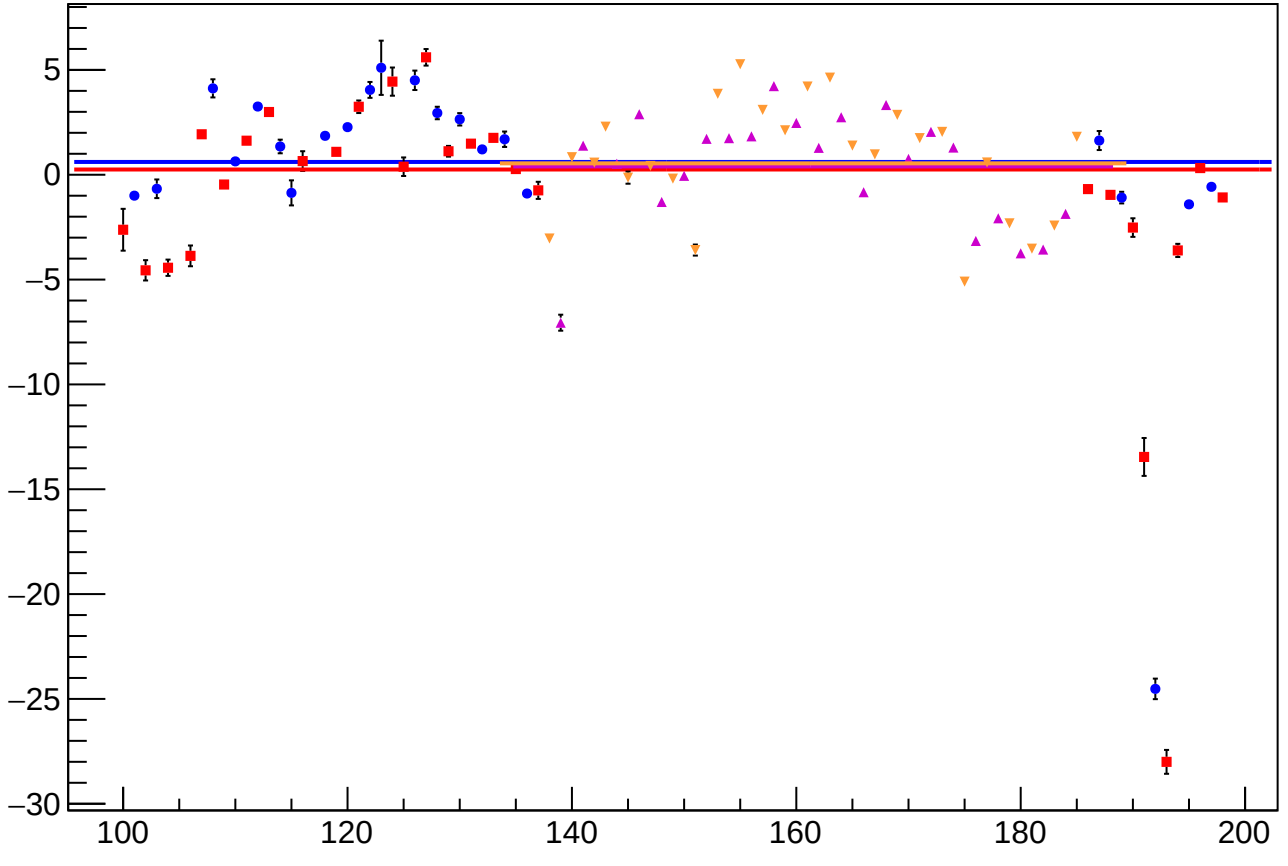
Right: 6.534+/-0.059 χ^2/NDF: 49437.4/12

In: -13.816+/-0.036 χ^2/NDF:123267.5/27

Out: -12.969+/-0.034 χ^2/NDF:195176.4/32

All: -13.379+/-0.025 χ^2/NDF: 318735.9/60

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.610+/-0.054 χ^2/NDF: 3618.8/21

Left Out: 0.543+/-0.032 χ^2/NDF:7085.3/24

Right Out: 0.250+/-0.049 χ^2/NDF: 4131.2/26

Left In: 0.397+/-0.031 χ^2/NDF:6235.6/22

Left: 0.466+/-0.022 χ^2/NDF: 13331.6/47

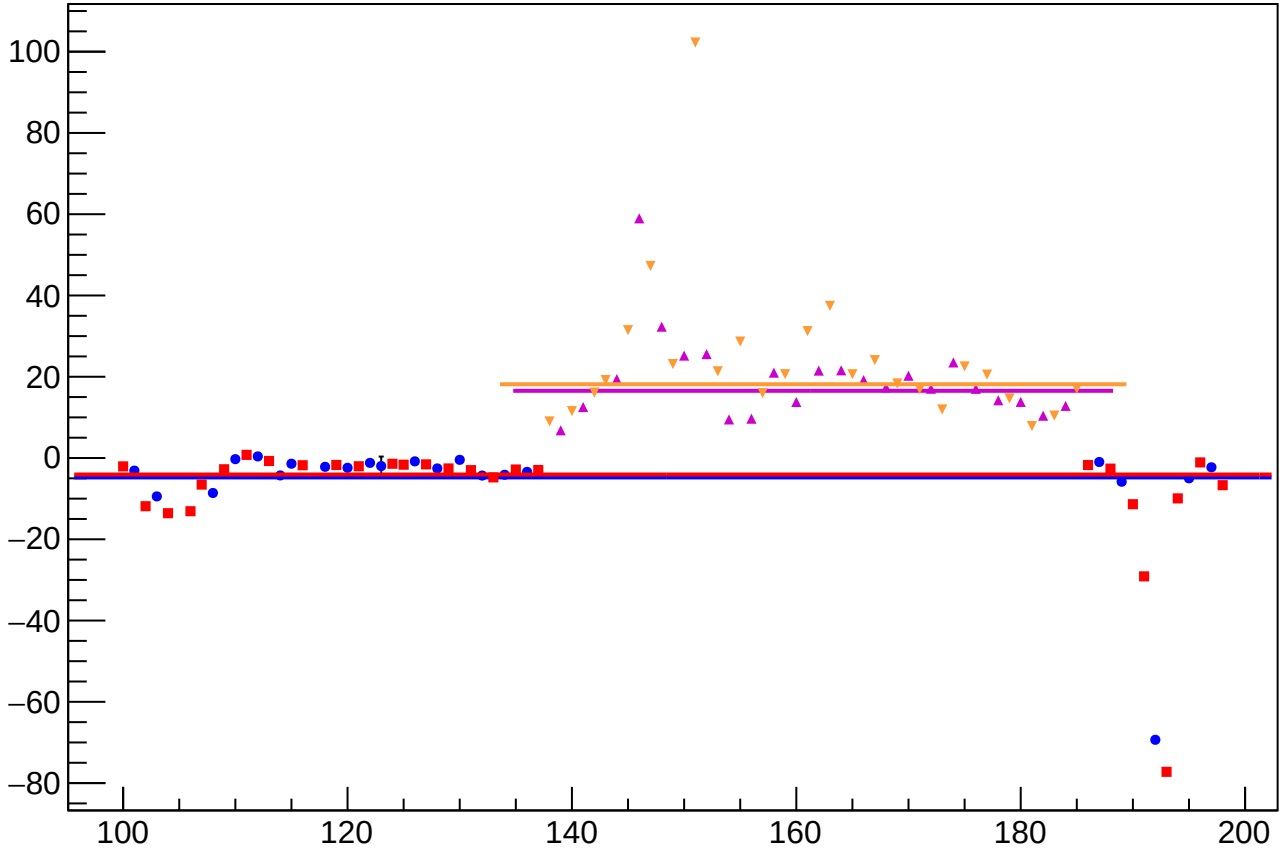
Right: 0.411+/-0.036 χ^2/NDF: 7774.1/48

In: 0.448+/-0.027 χ^2/NDF:9866.0/44

Out: 0.454+/-0.027 χ^2/NDF:11241.4/51

All: 0.451+/-0.019 χ^2/NDF: 21107.4/96

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.774+/-0.066 χ^2/NDF: 25854.9/21

Left Out: 18.150+/-0.039 χ^2/NDF:77847.8/24

Right Out: -4.061+/-0.052 χ^2/NDF: 26516.1/26

Left In: 16.543+/-0.038 χ^2/NDF:40855.0/22

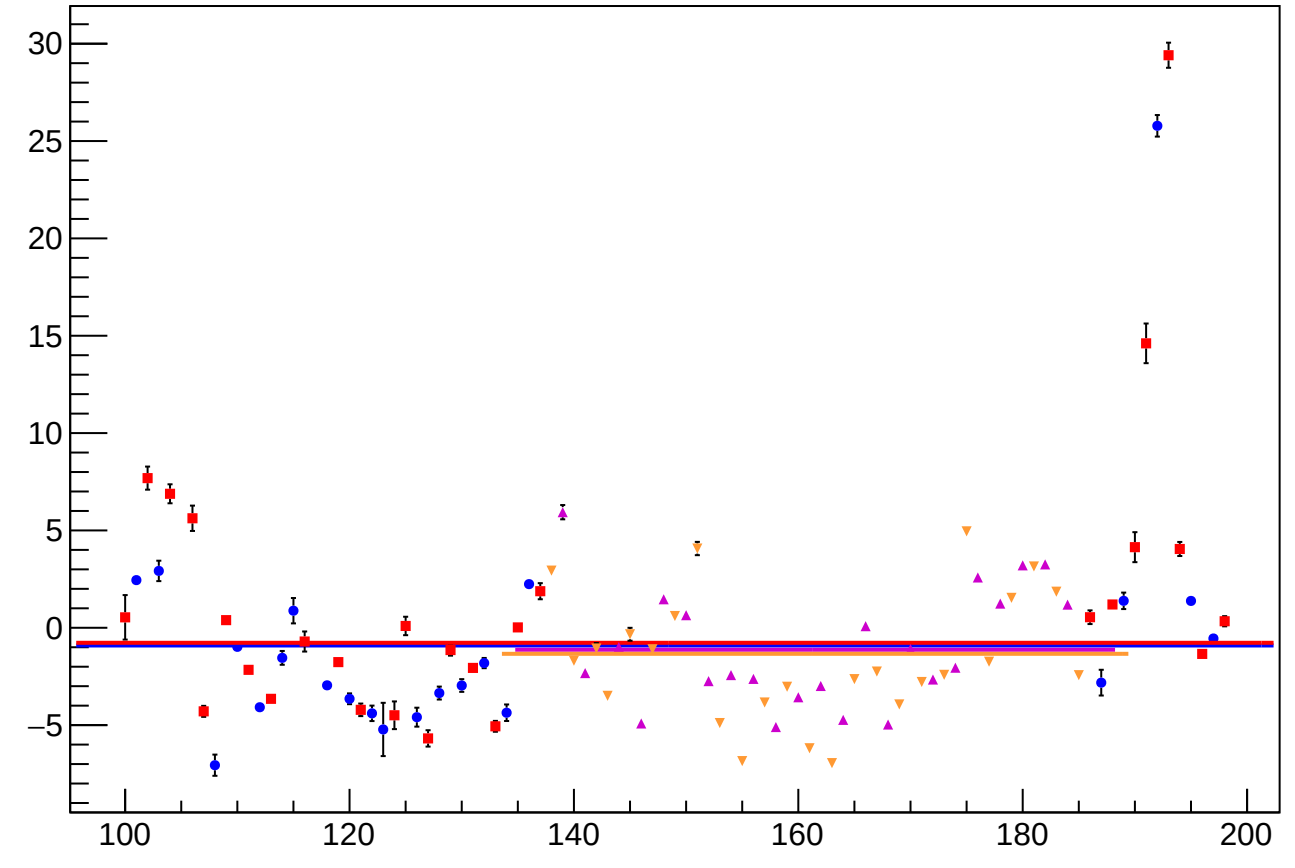
Left: 17.318+/-0.027 χ^2/NDF: 119577.9/47

Right: -4.334+/-0.041 χ^2/NDF: 52442.6/48

In: 11.315+/-0.033 χ^2/NDF:144879.5/44

Out: 10.161+/-0.031 χ^2/NDF:220457.7/51

All: 10.711+/-0.023 χ^2/NDF: 365984.6/96



Right In: -0.910+/-0.064 χ^2/NDF: 3820.0/21

Left Out: -1.338+/-0.036 χ^2/NDF:7943.1/24

Right Out: -0.771+/-0.058 χ^2/NDF: 4387.0/26

Left In: -1.129+/-0.034 χ^2/NDF:6740.3/22

Left: -1.228+/-0.025 χ^2/NDF: 14701.0/47

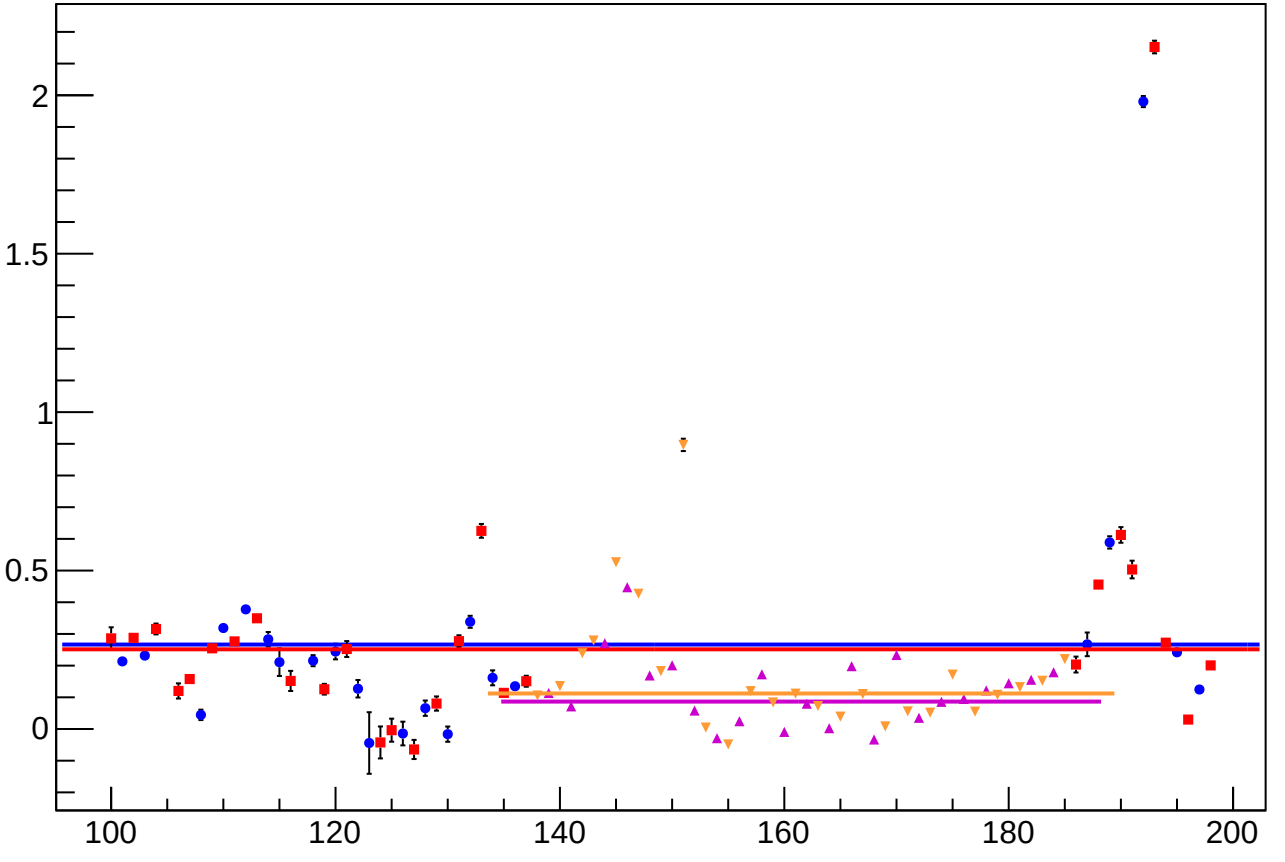
Right: -0.833+/-0.043 χ^2/NDF: 8209.6/48

In: -1.081+/-0.030 χ^2/NDF:10569.4/44

Out: -1.179+/-0.030 χ^2/NDF:12399.8/51

All: -1.129+/-0.021 χ^2/NDF: 22974.5/96

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.266+/-0.003 χ^2/NDF: 11077.6/21

Left Out: 0.112+/-0.002 χ^2/NDF:4503.9/24

Right Out: 0.251+/-0.003 χ^2/NDF: 11580.0/26

Left In: 0.087+/-0.002 χ^2/NDF:3655.4/22

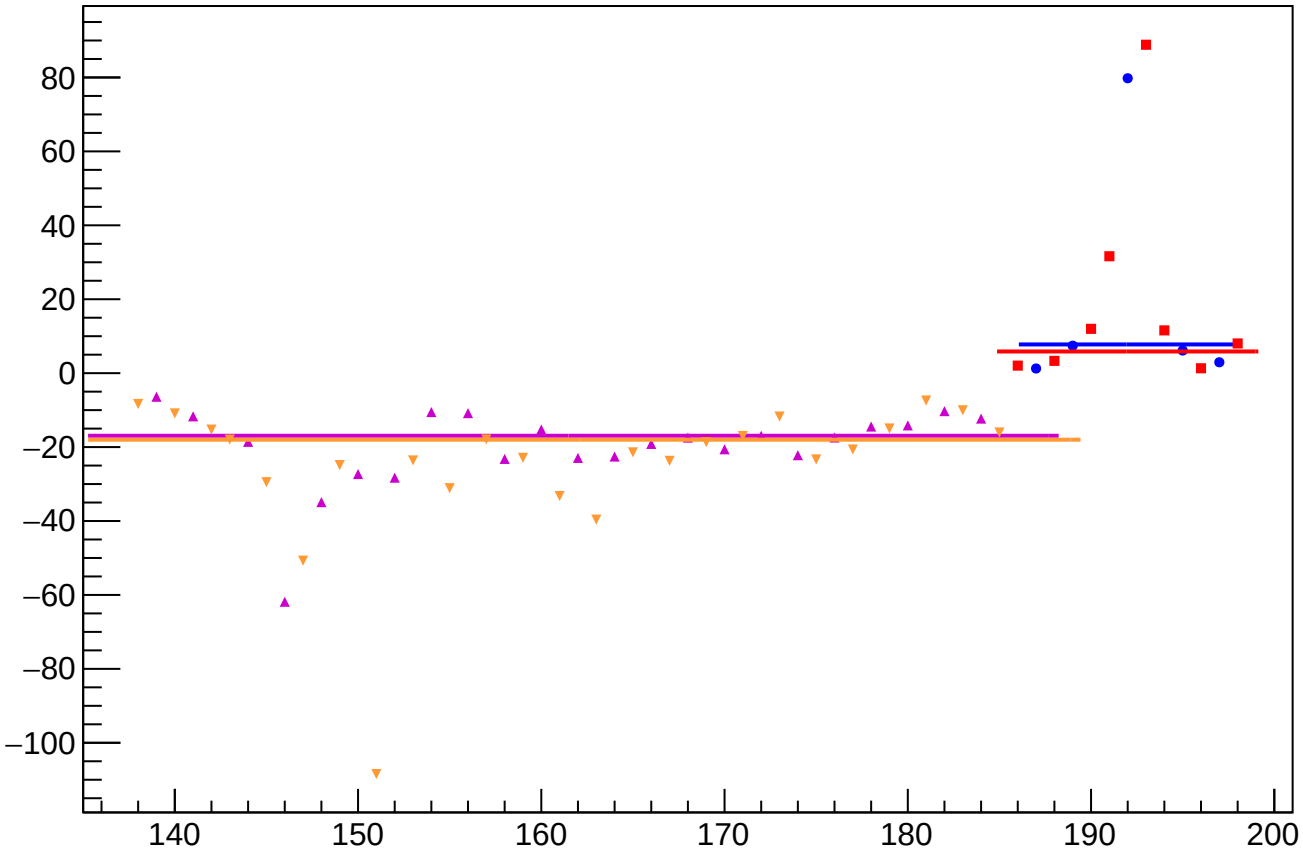
Left: 0.098+/-0.001 χ^2/NDF: 8295.3/47

Right: 0.258+/-0.002 χ^2/NDF: 22670.3/48

In: 0.120+/-0.001 χ^2/NDF:17394.6/44

Out: 0.147+/-0.001 χ^2/NDF:17963.1/51

All: 0.133+/-0.001 χ^2/NDF: 35550.0/96



Right In: 7.772+/-0.098 χ^2/NDF: 24477.3/4

Left Out: -18.005+/-0.039 χ^2/NDF:88391.0/24

Right Out: 5.869+/-0.074 χ^2/NDF: 25266.0/7

Left In: -16.934+/-0.038 χ^2/NDF:44060.6/22

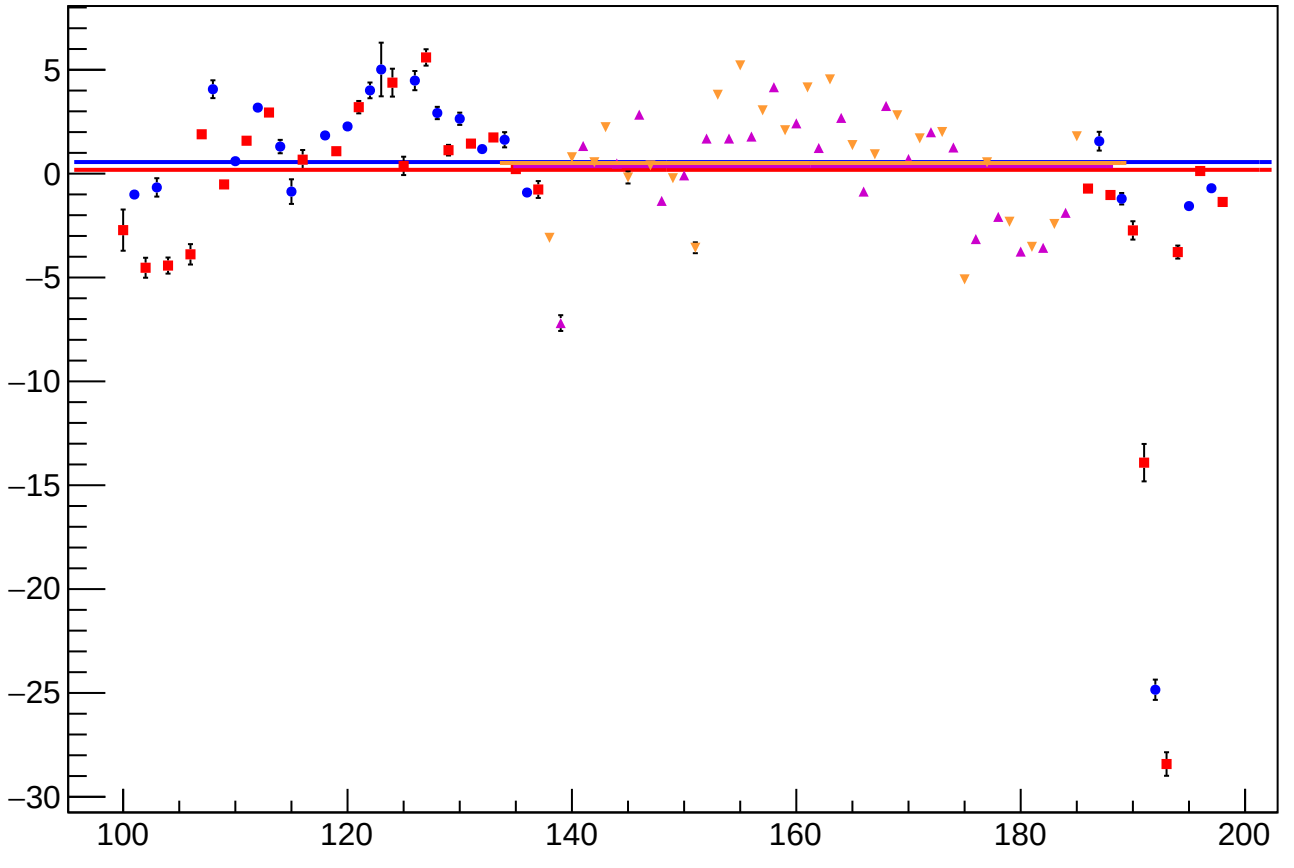
Left: -17.459+/-0.027 χ^2/NDF: 132843.0/47

Right: 6.554+/-0.059 χ^2/NDF: 49983.6/12

In: -13.732+/-0.035 χ^2/NDF:123611.0/27

Out: -12.853+/-0.034 χ^2/NDF:196023.6/32

All: -13.278+/-0.025 χ^2/NDF: 319953.1/60



Right In: 0.558+/-0.054 χ^2/NDF: 3725.7/21

Left Out: 0.511+/-0.032 χ^2/NDF:7070.4/24

Right Out: 0.184+/-0.049 χ^2/NDF: 4282.1/26

Left In: 0.360+/-0.031 χ^2/NDF:6221.1/22

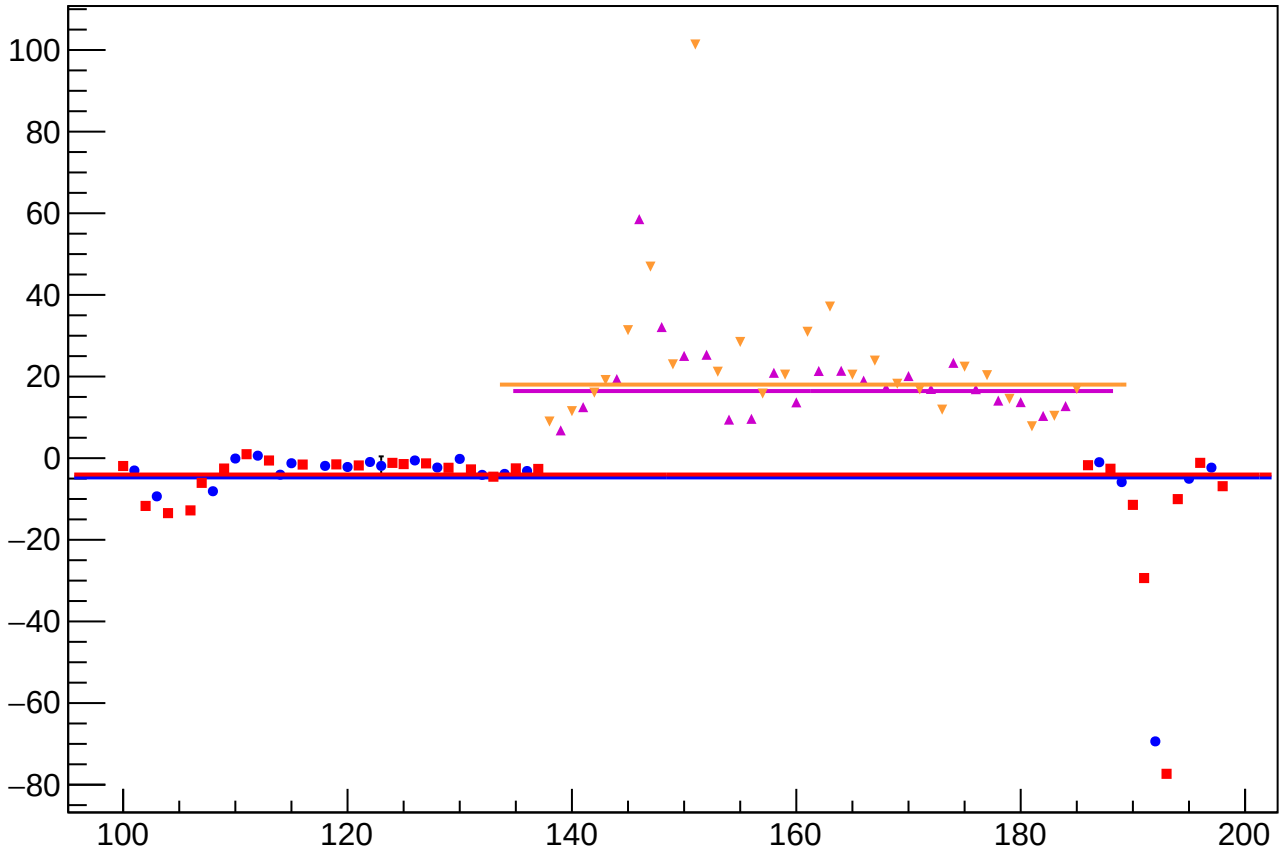
Left: 0.432+/-0.022 χ^2/NDF: 13303.2/47

Right: 0.351+/-0.036 χ^2/NDF: 8034.1/48

In: 0.407+/-0.027 χ^2/NDF:9957.0/44

Out: 0.412+/-0.027 χ^2/NDF:11383.9/51

All: 0.410+/-0.019 χ^2/NDF: 21340.9/96



Right In: -4.714+/-0.066 χ^2/NDF: 26156.9/21

Left Out: 18.027+/-0.039 χ^2/NDF:77718.1/24

Right Out: -4.007+/-0.052 χ^2/NDF: 26956.6/26

Left In: 16.443+/-0.038 χ^2/NDF:40780.6/22

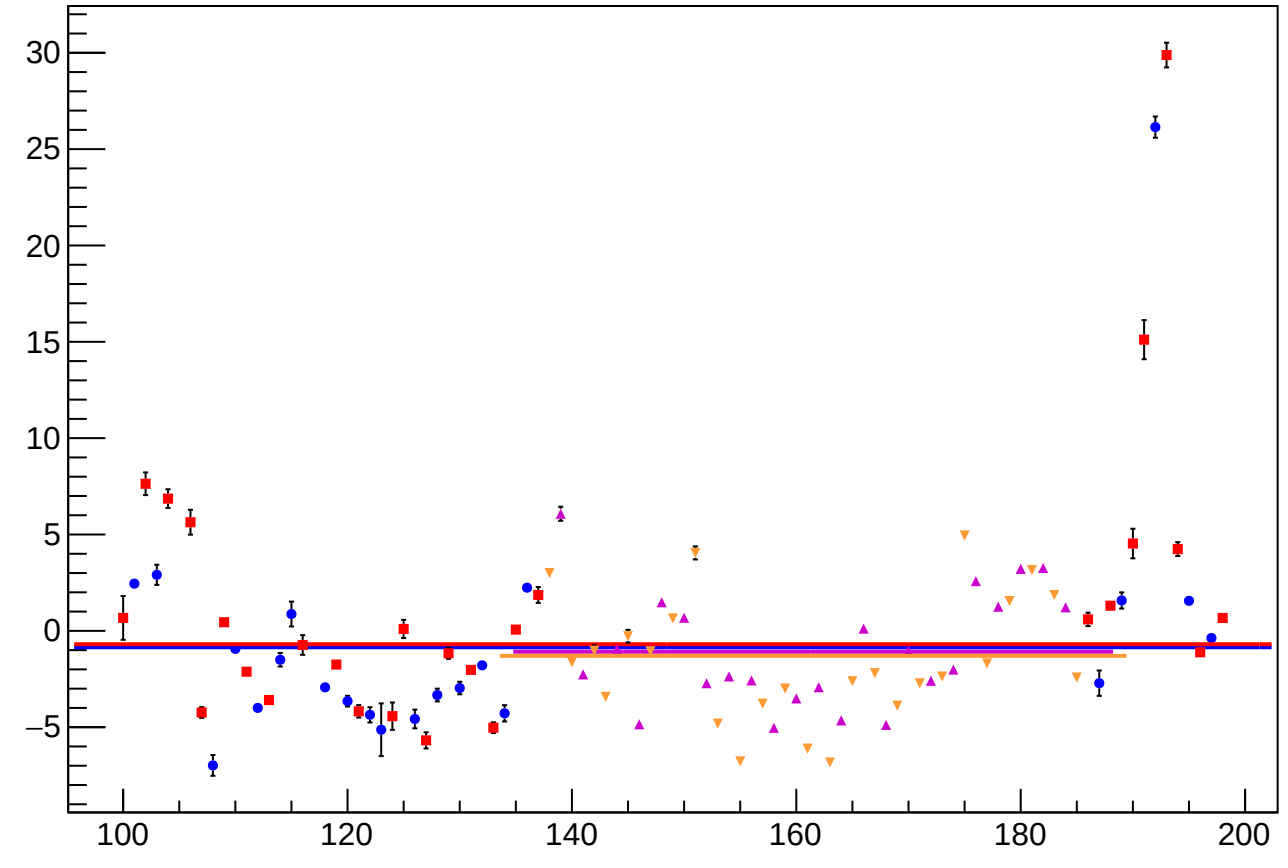
Left: 17.207+/-0.027 χ^2/NDF: 119360.0/47

Right: -4.277+/-0.041 χ^2/NDF: 53184.7/48

In: 11.270+/-0.033 χ^2/NDF:144729.9/44

Out: 10.091+/-0.031 χ^2/NDF:220703.5/51

All: 10.652+/-0.022 χ^2/NDF: 366118.7/96



Right In: -0.850+/-0.064 χ^2/NDF: 3911.4/21

Left Out: -1.297+/-0.036 χ^2/NDF:7925.1/24

Right Out: -0.695+/-0.057 χ^2/NDF: 4528.5/26

Left In: -1.082+/-0.034 χ^2/NDF:6724.1/22

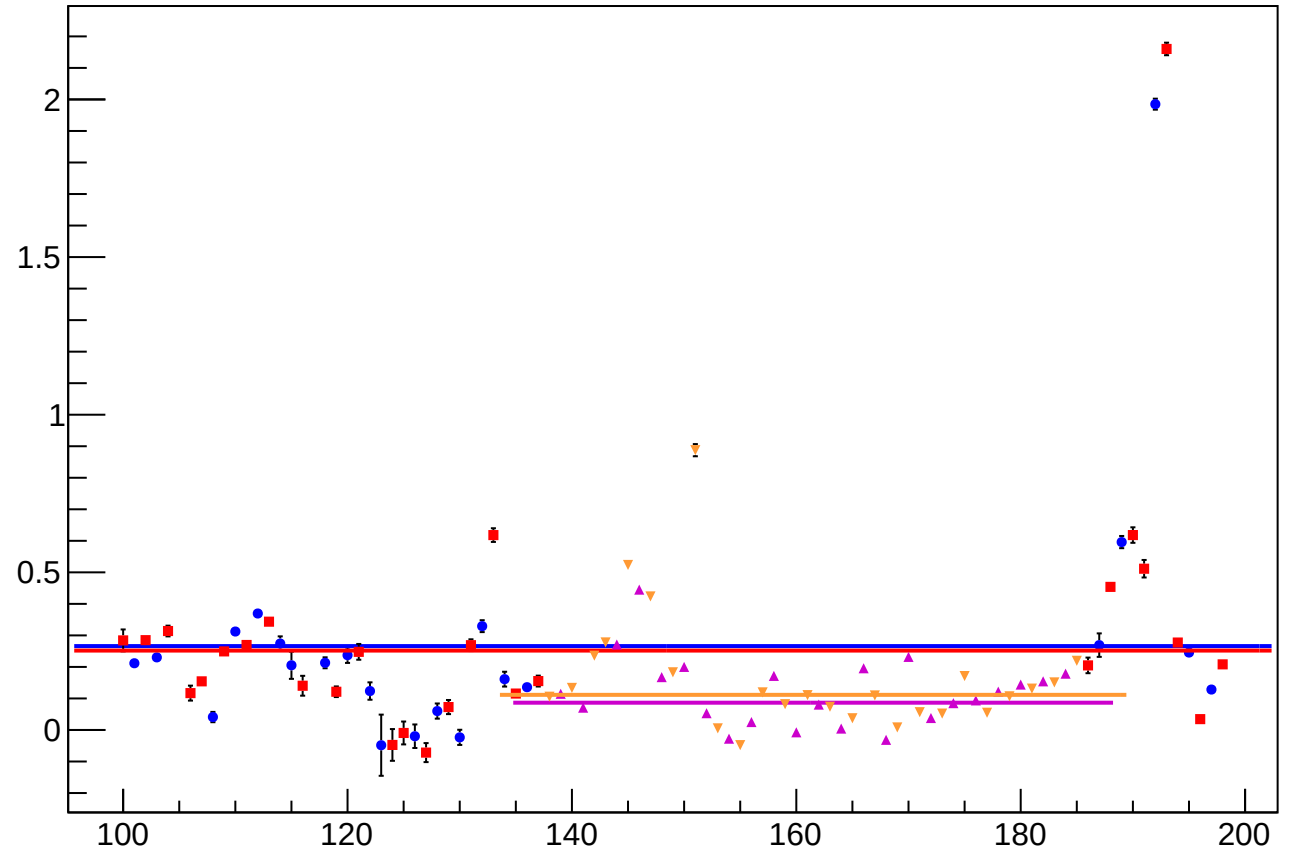
Left: -1.184+/-0.025 χ^2/NDF: 14668.4/47

Right: -0.765+/-0.043 χ^2/NDF: 8443.1/48

In: -1.030+/-0.030 χ^2/NDF:10645.8/44

Out: -1.129+/-0.030 χ^2/NDF:12533.2/51

All: -1.079+/-0.021 χ^2/NDF: 23184.3/96



Right In: 0.266+/-0.003 χ^2/NDF: 11212.6/21

Left Out: 0.111+/-0.002 χ^2/NDF:4496.0/24

Right Out: 0.252+/-0.003 χ^2/NDF: 11714.6/26

Left In: 0.087+/-0.001 χ^2/NDF:3625.5/22

Left: 0.098+/-0.001 χ^2/NDF: 8251.9/47

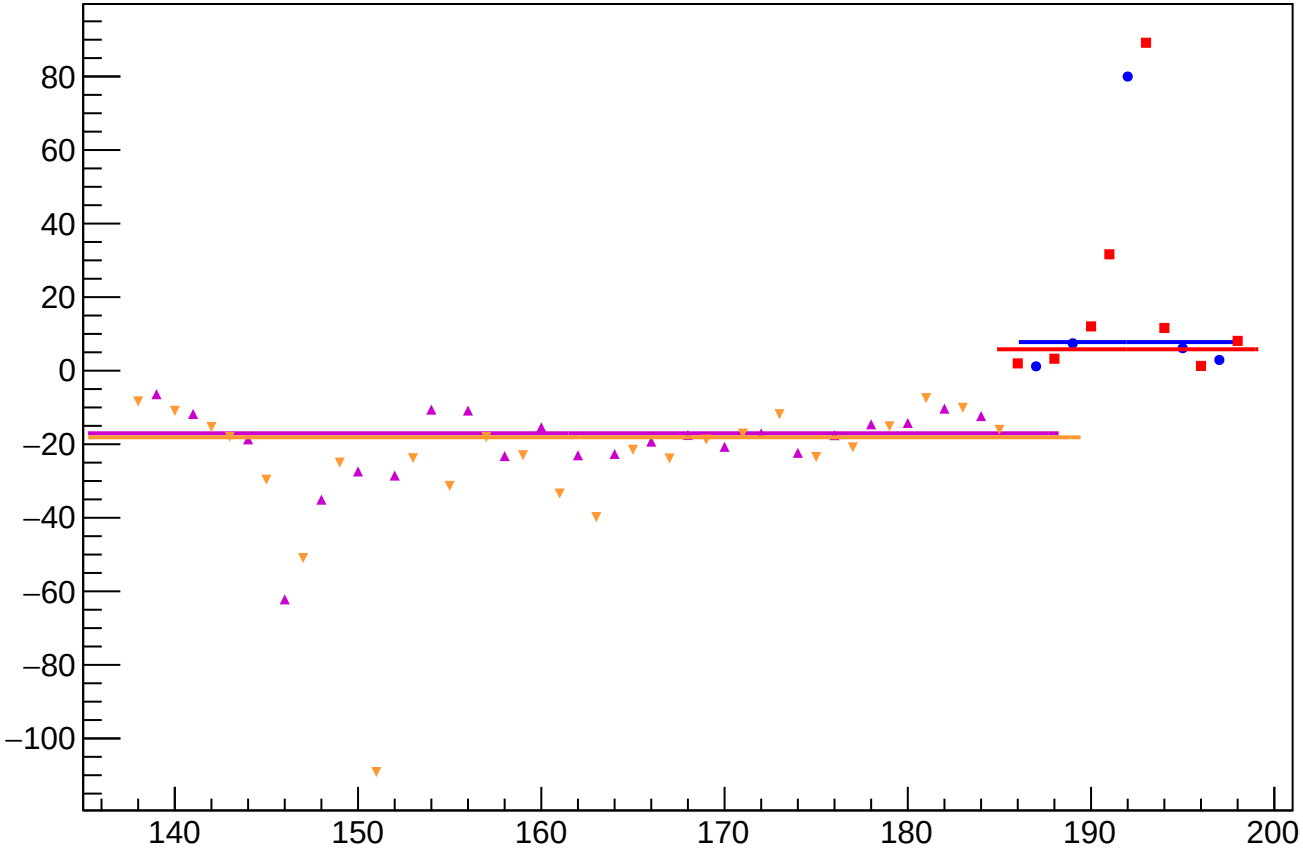
Right: 0.258+/-0.002 χ^2/NDF: 22938.7/48

In: 0.120+/-0.001 χ^2/NDF:17513.7/44

Out: 0.146+/-0.001 χ^2/NDF:18140.4/51

All: 0.133+/-0.001 χ^2/NDF: 35843.8/96

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.776+/-0.099 χ^2/NDF: 24466.6/4

Left Out: -18.112+/-0.039 χ^2/NDF:88529.7/24

Right Out: 5.820+/-0.074 χ^2/NDF: 25285.8/7

Left In: -17.024+/-0.038 χ^2/NDF:44141.8/22

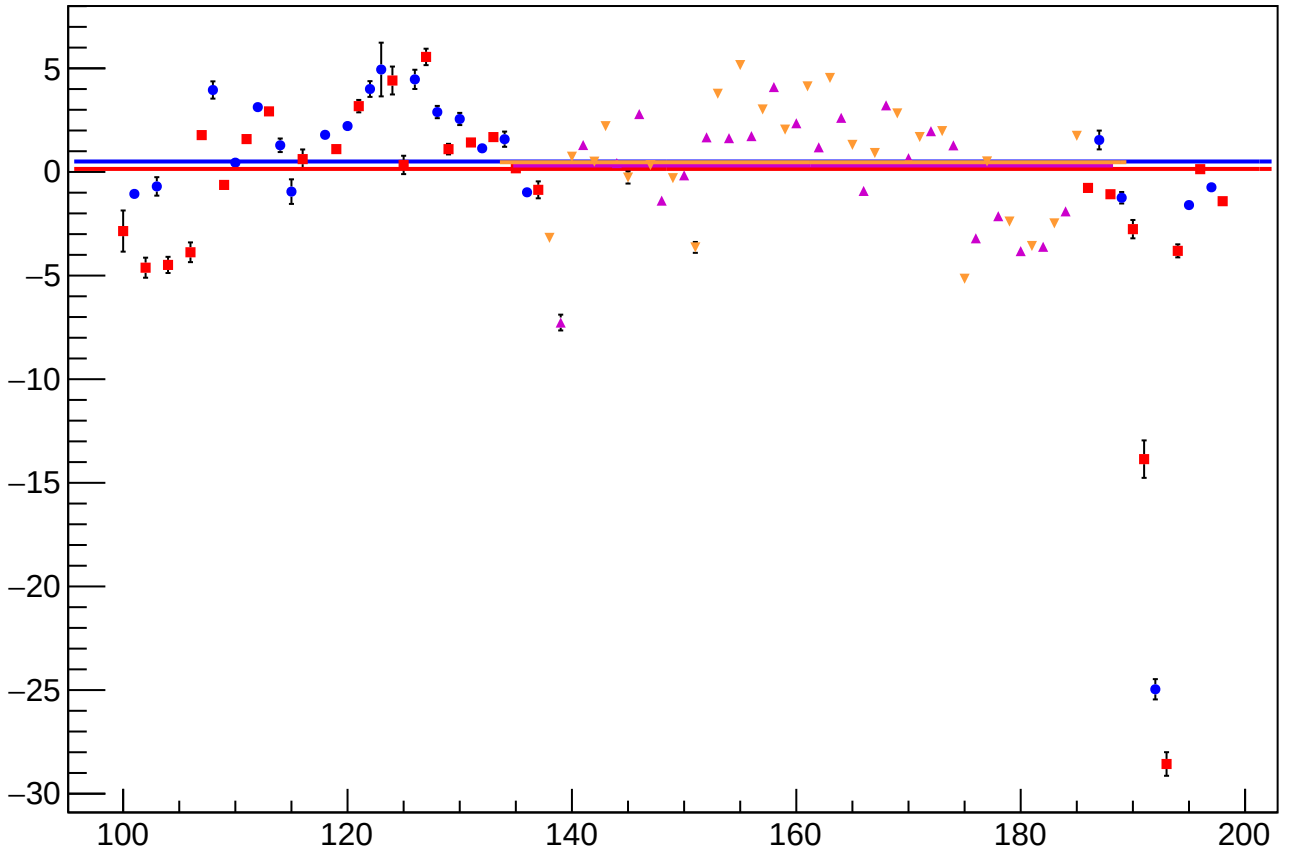
Left: -17.557+/-0.027 χ^2/NDF: 133072.9/47

Right: 6.520+/-0.059 χ^2/NDF: 50004.2/12

In: -13.820+/-0.036 χ^2/NDF:123479.3/27

Out: -12.926+/-0.034 χ^2/NDF:196241.8/32

All: -13.358+/-0.025 χ^2/NDF: 320049.1/60



Right In: 0.505+/-0.055 χ^2/NDF: 3717.6/21

Left Out: 0.469+/-0.032 χ^2/NDF:7093.0/24

Right Out: 0.146+/-0.049 χ^2/NDF: 4280.3/26

Left In: 0.311+/-0.031 χ^2/NDF:6183.1/22

Left: 0.386+/-0.022 χ^2/NDF: 13288.8/47

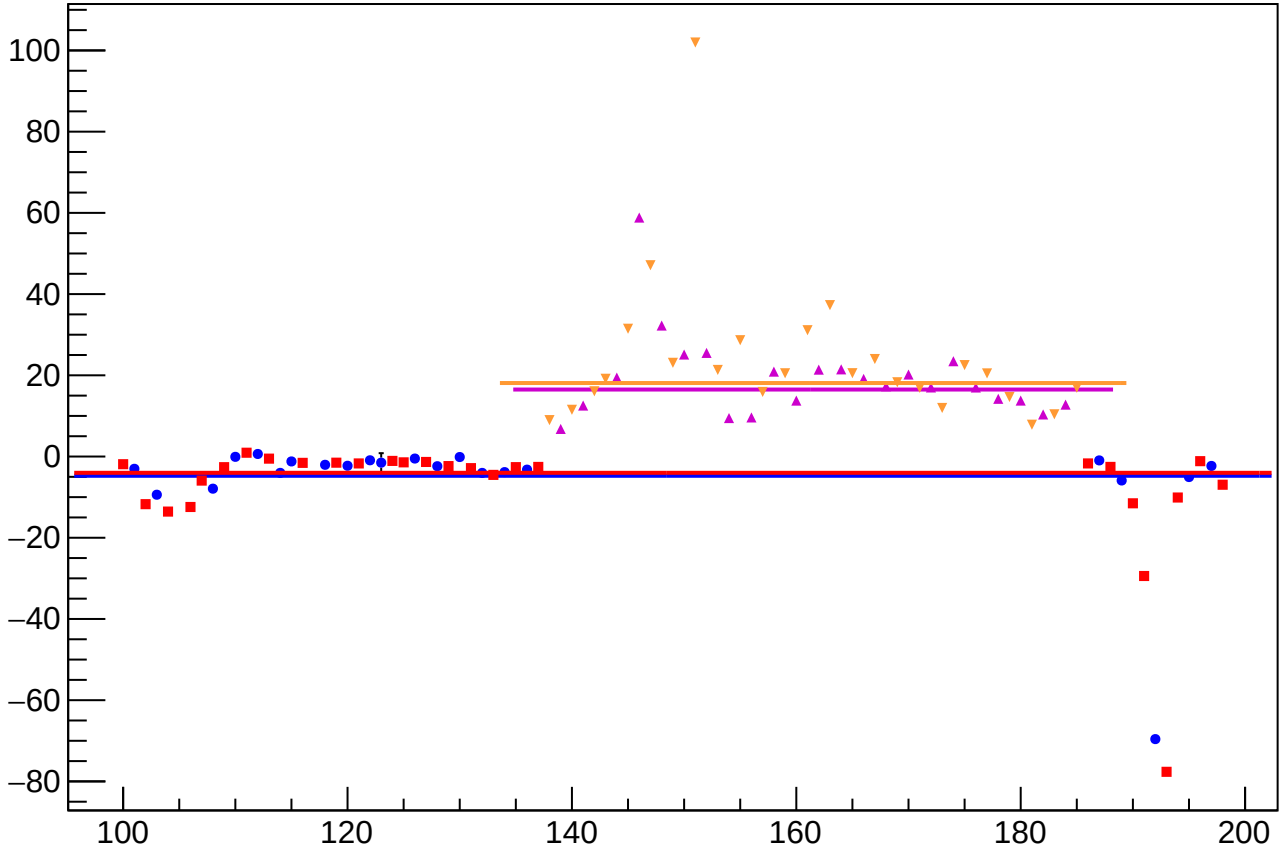
Right: 0.306+/-0.036 χ^2/NDF: 8021.9/48

In: 0.357+/-0.027 χ^2/NDF:9910.3/44

Out: 0.371+/-0.027 χ^2/NDF:11403.7/51

All: 0.364+/-0.019 χ^2/NDF: 21314.1/96

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.738+/-0.066 χ^2/NDF: 26140.6/21

Left Out: 18.101+/-0.039 χ^2/NDF:77839.7/24

Right Out: -4.008+/-0.052 χ^2/NDF: 26952.1/26

Left In: 16.496+/-0.038 χ^2/NDF:40867.3/22

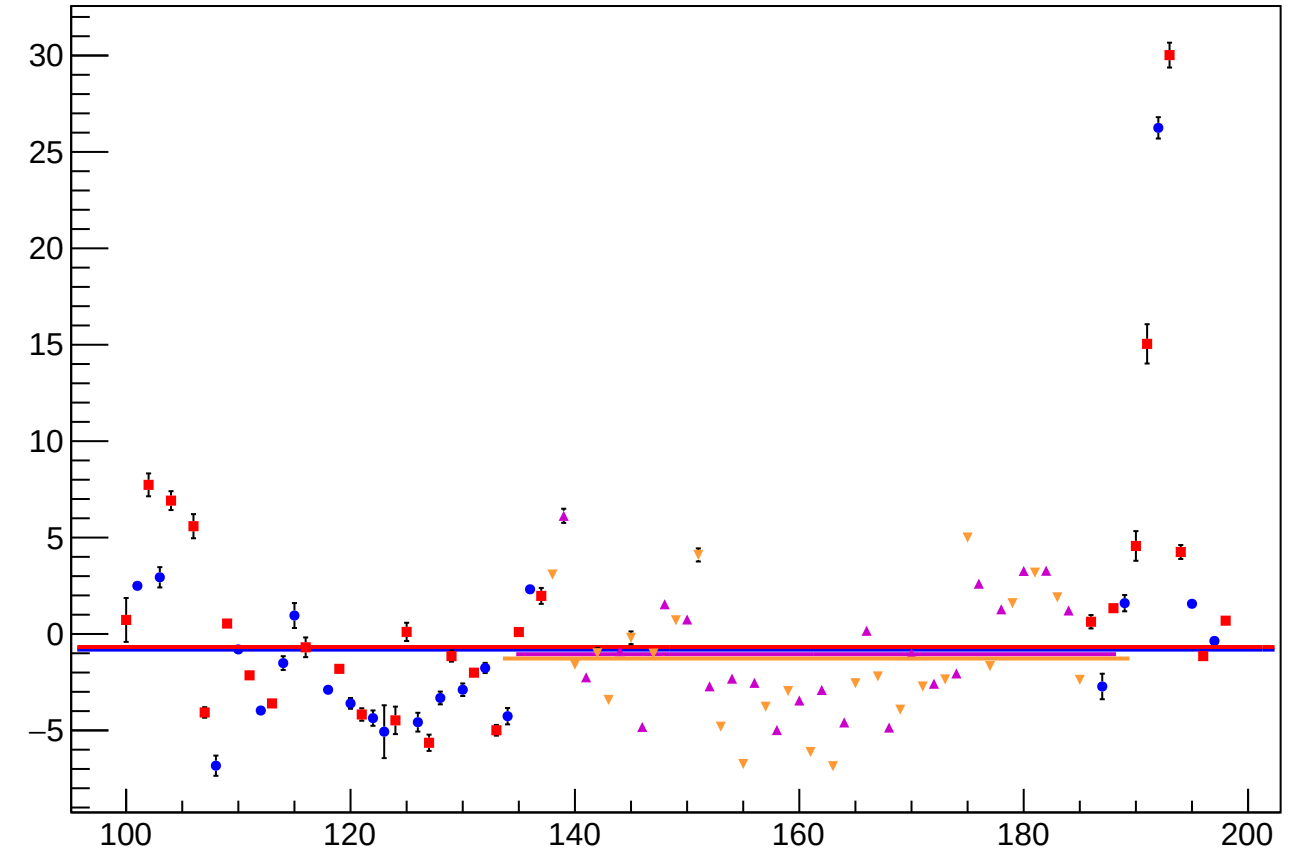
Left: 17.270+/-0.027 χ^2/NDF: 119584.1/47

Right: -4.285+/-0.041 χ^2/NDF: 53167.9/48

In: 11.319+/-0.033 χ^2/NDF:144542.1/44

Out: 10.117+/-0.031 χ^2/NDF:220911.6/51

All: 10.688+/-0.023 χ^2/NDF: 366160.1/96



Right In: -0.810+/-0.064 χ^2/NDF: 3905.2/21

Left Out: -1.273+/-0.036 χ^2/NDF:7951.6/24

Right Out: -0.676+/-0.057 χ^2/NDF: 4529.9/26

Left In: -1.050+/-0.034 χ^2/NDF:6673.4/22

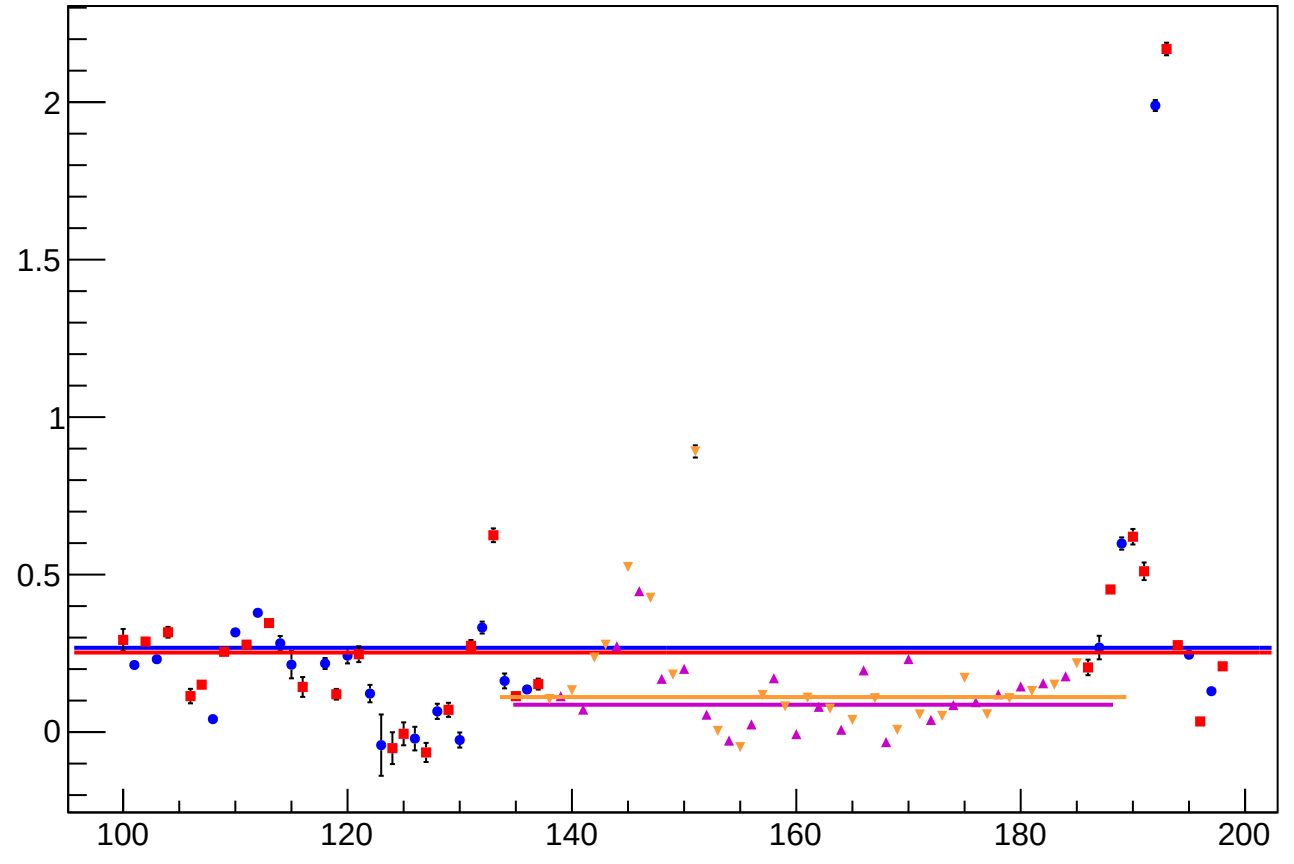
Left: -1.156+/-0.025 χ^2/NDF: 14645.3/47

Right: -0.736+/-0.043 χ^2/NDF: 8437.6/48

In: -0.997+/-0.030 χ^2/NDF:10589.7/44

Out: -1.106+/-0.030 χ^2/NDF:12559.1/51

All: -1.051+/-0.021 χ^2/NDF: 23155.3/96



Right In: 0.268+/-0.003 χ^2/NDF: 11205.9/21

Left Out: 0.111+/-0.002 χ^2/NDF:4474.5/24

Right Out: 0.253+/-0.003 χ^2/NDF: 11730.3/26

Left In: 0.087+/-0.001 χ^2/NDF:3598.5/22

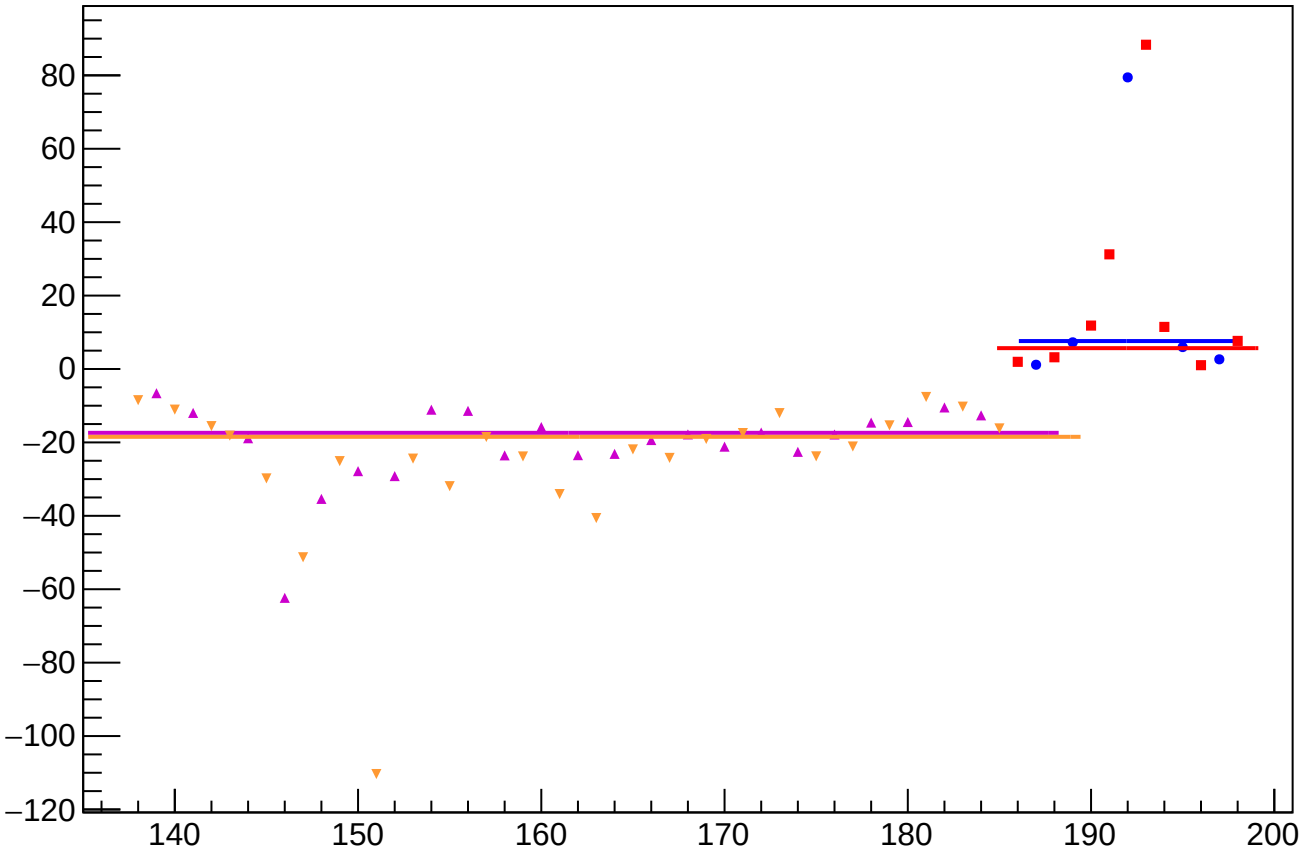
Left: 0.098+/-0.001 χ^2/NDF: 8197.1/47

Right: 0.259+/-0.002 χ^2/NDF: 22949.0/48

In: 0.120+/-0.001 χ^2/NDF:17491.9/44

Out: 0.146+/-0.001 χ^2/NDF:18144.7/51

All: 0.133+/-0.001 χ^2/NDF: 35818.9/96



Right In: 7.612+/-0.099 χ^2/NDF: 24118.1/4

Left Out: -18.479+/-0.040 χ^2/NDF:87883.4/24

Right Out: 5.678+/-0.074 χ^2/NDF: 24765.8/7

Left In: -17.393+/-0.039 χ^2/NDF:43178.9/22

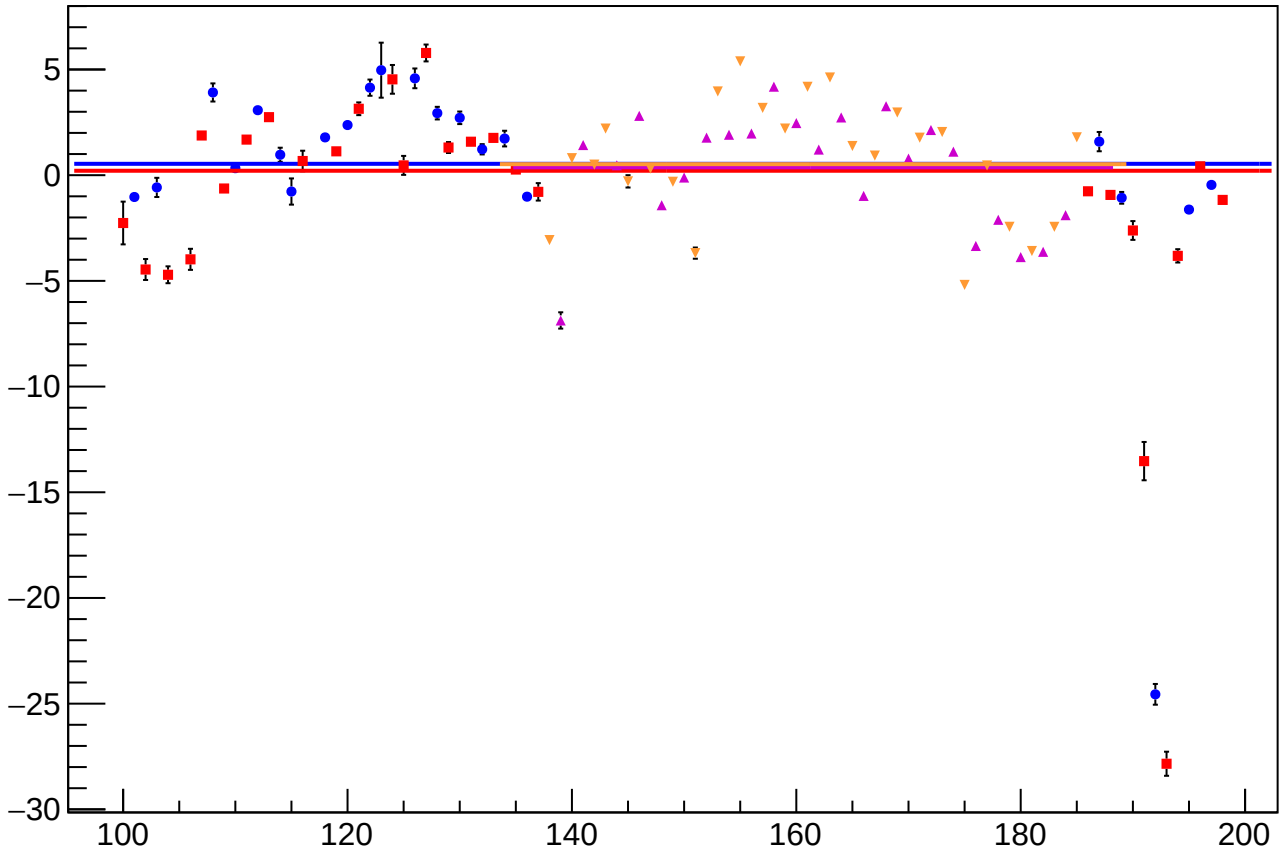
Left: -17.926+/-0.028 χ^2/NDF: 131443.9/47

Right: 6.369+/-0.059 χ^2/NDF: 49127.5/12

In: -14.061+/-0.036 χ^2/NDF:122188.6/27

Out: -13.090+/-0.035 χ^2/NDF:195242.1/32

All: -13.558+/-0.025 χ^2/NDF: 317801.5/60



Right In: 0.538+/-0.055 χ^2/NDF: 3596.5/21

Left Out: 0.522+/-0.033 χ^2/NDF:7055.1/24

Right Out: 0.210+/-0.050 χ^2/NDF: 4091.5/26

Left In: 0.371+/-0.031 χ^2/NDF:6217.4/22

Left: 0.443+/-0.023 χ^2/NDF: 13283.4/47

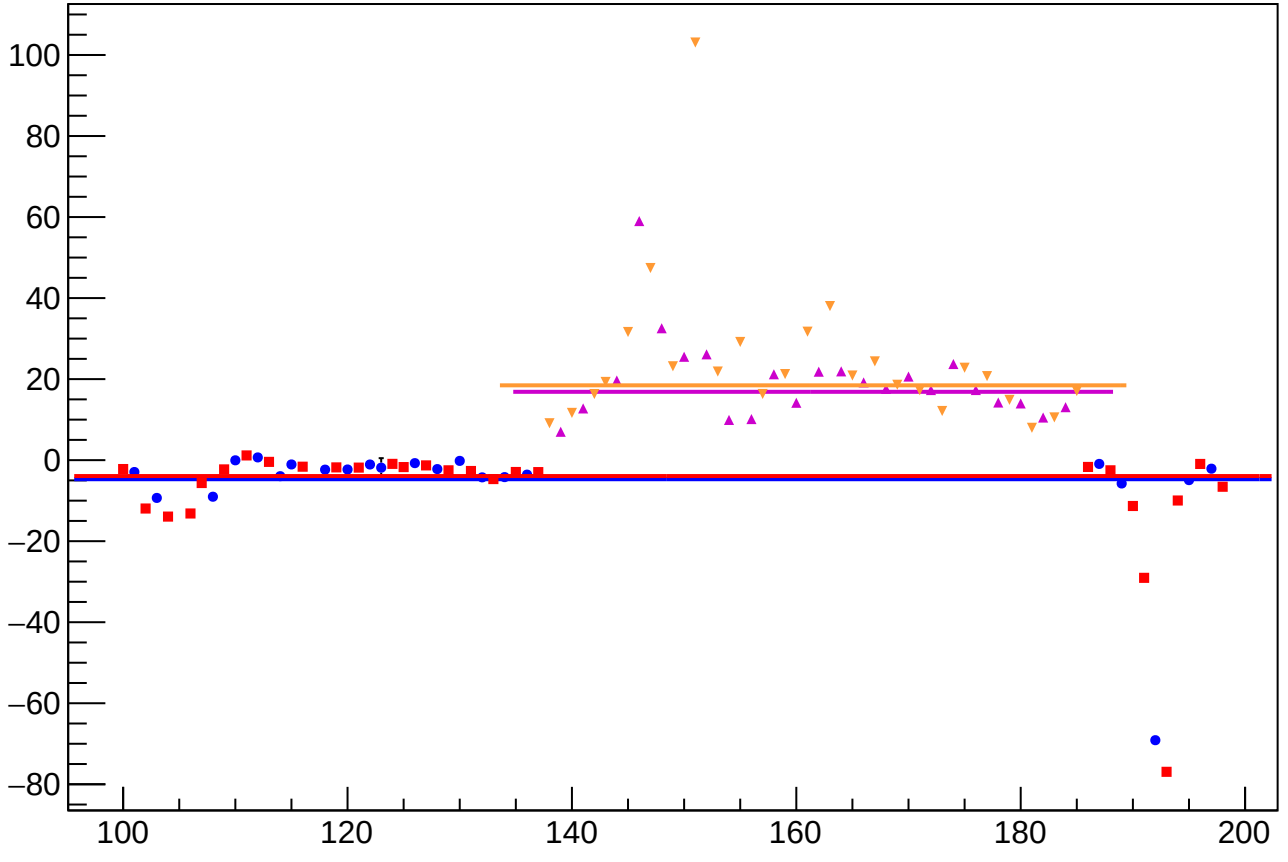
Right: 0.357+/-0.037 χ^2/NDF: 7707.5/48

In: 0.412+/-0.027 χ^2/NDF:9820.8/44

Out: 0.426+/-0.027 χ^2/NDF:11173.8/51

All: 0.419+/-0.019 χ^2/NDF: 20994.8/96

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.708+/-0.067 χ^2/NDF: 25690.4/21

Left Out: 18.467+/-0.040 χ^2/NDF:77226.7/24

Right Out: -3.926+/-0.052 χ^2/NDF: 26406.0/26

Left In: 16.867+/-0.039 χ^2/NDF:39779.0/22

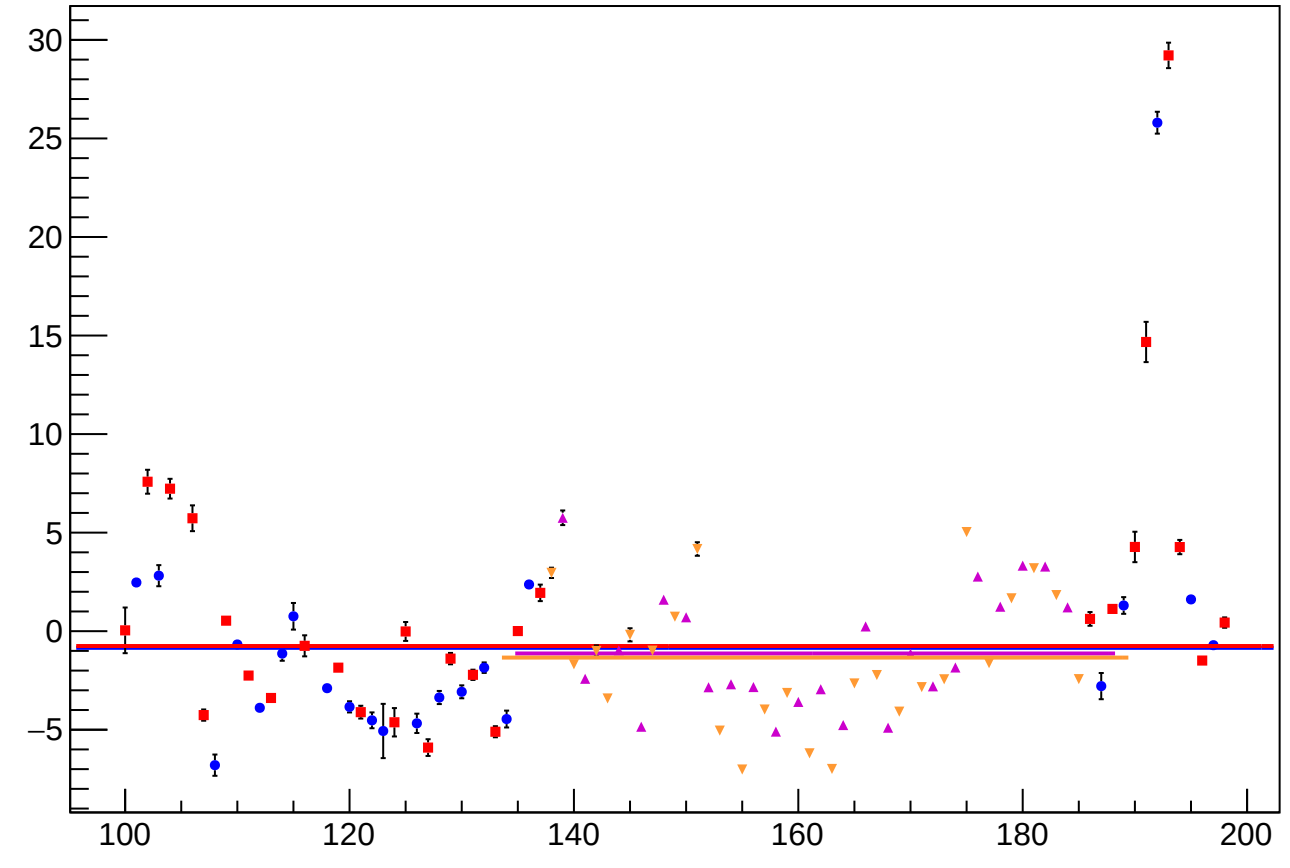
Left: 17.640+/-0.028 χ^2/NDF: 117837.8/47

Right: -4.222+/-0.041 χ^2/NDF: 52180.9/48

In: 11.495+/-0.033 χ^2/NDF:143386.4/44

Out: 10.236+/-0.032 χ^2/NDF:219502.2/51

All: 10.833+/-0.023 χ^2/NDF: 363635.5/96



Right In: -0.844+/-0.065 χ^2/NDF: 3798.6/21

Left Out: -1.340+/-0.037 χ^2/NDF:7907.4/24

Right Out: -0.753+/-0.058 χ^2/NDF: 4347.7/26

Left In: -1.132+/-0.035 χ^2/NDF:6708.5/22

Left: -1.231+/-0.025 χ^2/NDF: 14632.9/47

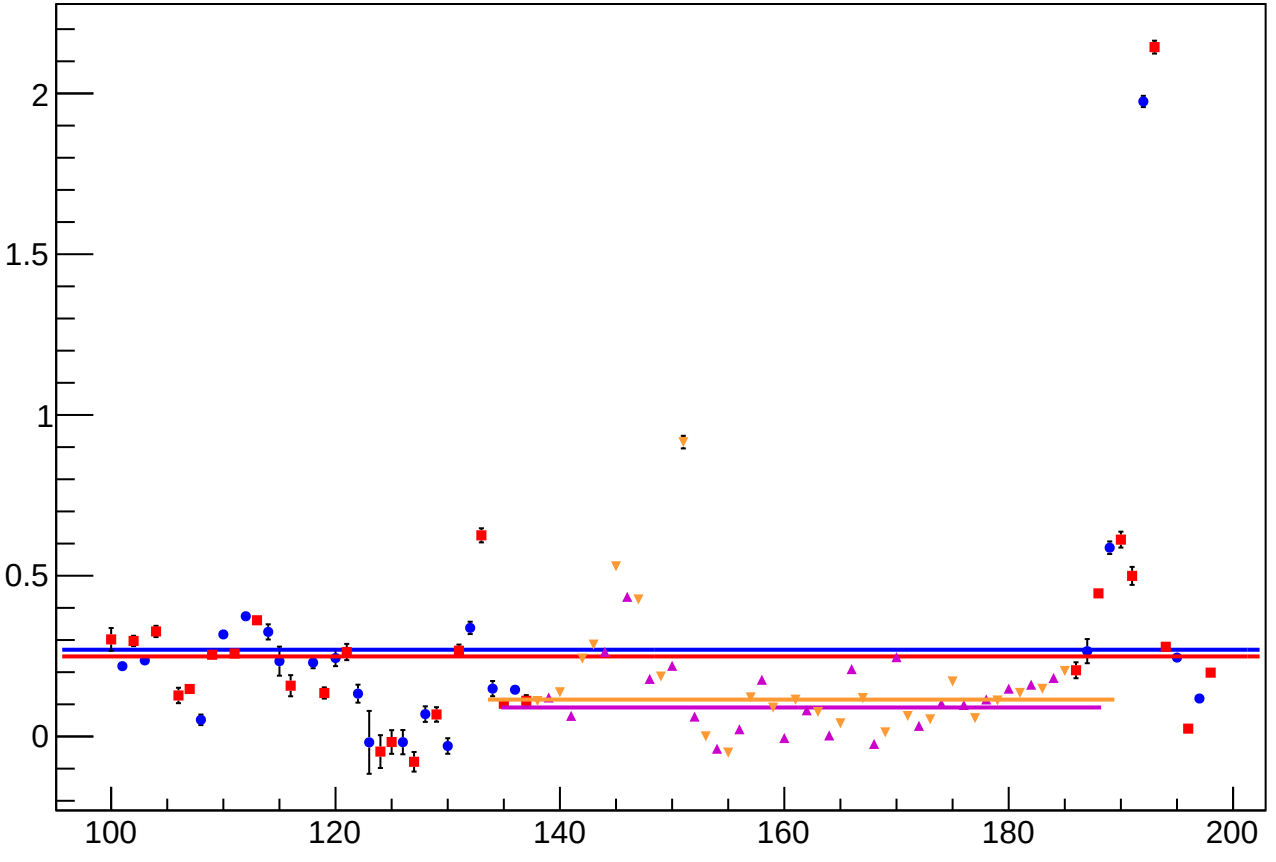
Right: -0.794+/-0.043 χ^2/NDF: 8147.4/48

In: -1.067+/-0.031 χ^2/NDF:10522.5/44

Out: -1.175+/-0.031 χ^2/NDF:12327.5/51

All: -1.121+/-0.022 χ^2/NDF: 22856.0/96

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.270+/-0.003 χ^2/NDF: 10944.0/21

Left Out: 0.115+/-0.002 χ^2/NDF:4431.9/24

Right Out: 0.249+/-0.003 χ^2/NDF: 11579.5/26

Left In: 0.090+/-0.002 χ^2/NDF:3676.5/22

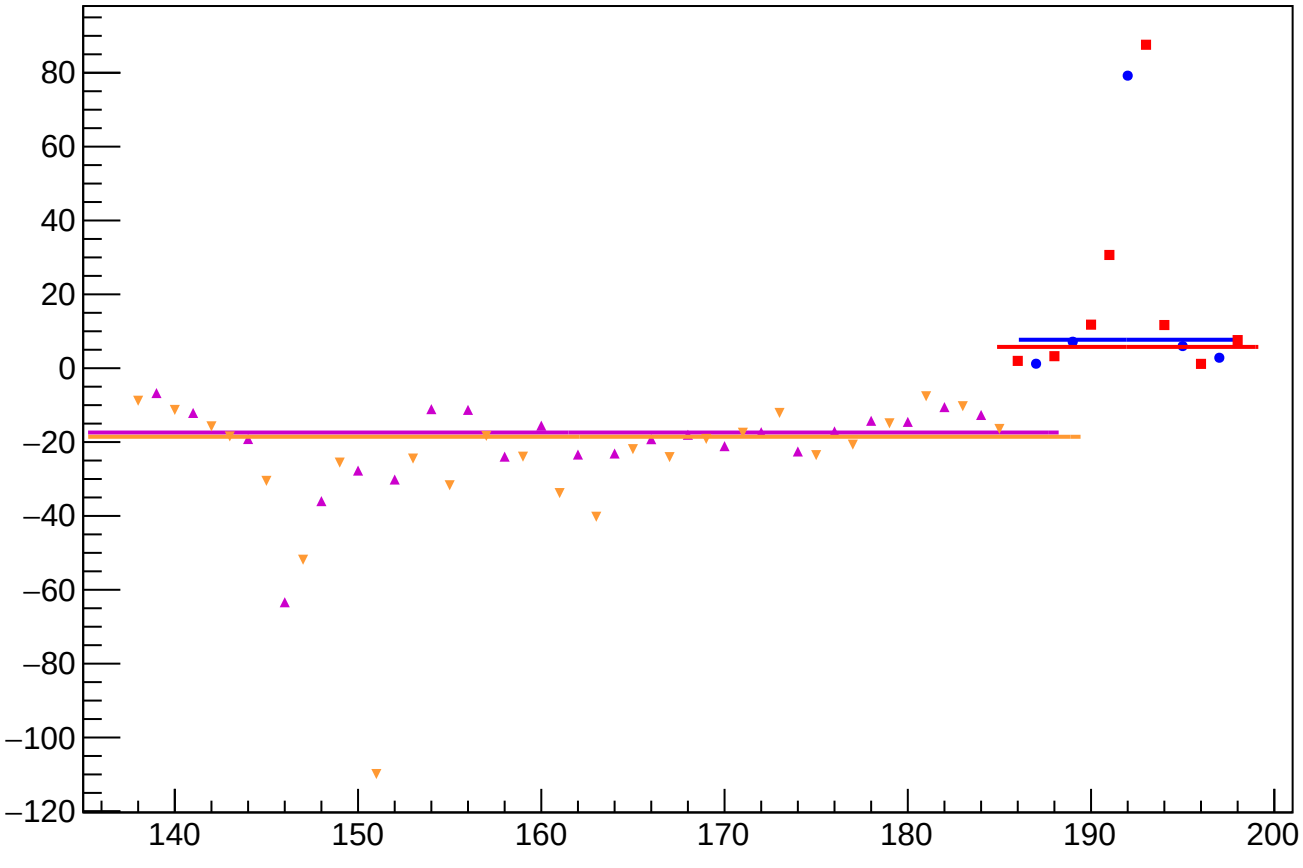
Left: 0.102+/-0.001 χ^2/NDF: 8228.2/47

Right: 0.258+/-0.002 χ^2/NDF: 22547.5/48

In: 0.124+/-0.001 χ^2/NDF:17194.6/44

Out: 0.149+/-0.001 χ^2/NDF:17704.5/51

All: 0.136+/-0.001 χ^2/NDF: 35052.3/96



Right In: 7.708+/-0.100 χ^2/NDF: 23645.0/4

Left Out: -18.566+/-0.040 χ^2/NDF:86389.6/24

Right Out: 5.768+/-0.075 χ^2/NDF: 24146.6/7

Left In: -17.414+/-0.039 χ^2/NDF:43504.1/22

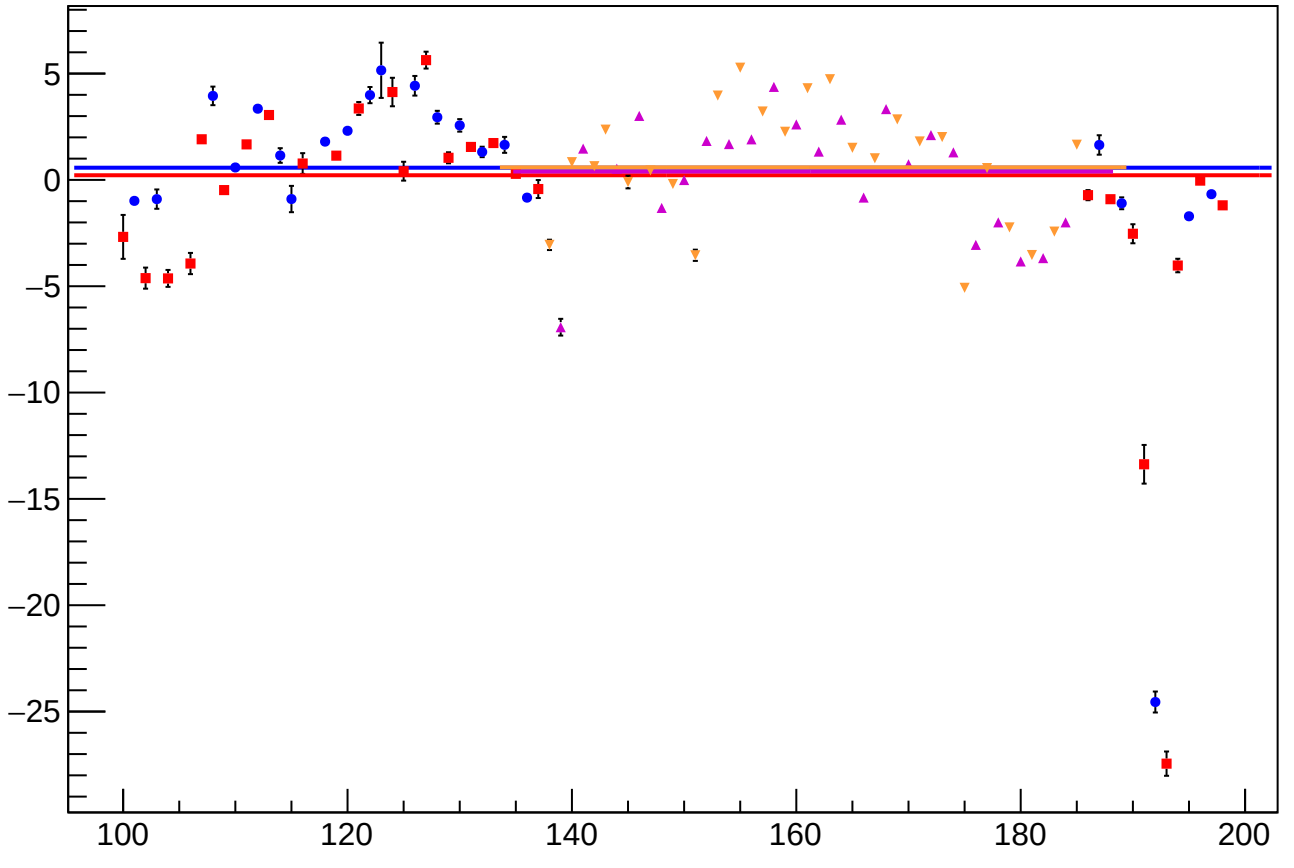
Left: -17.979+/-0.028 χ^2/NDF: 130314.7/47

Right: 6.464+/-0.060 χ^2/NDF: 48031.3/12

In: -14.074+/-0.037 χ^2/NDF:121479.7/27

Out: -13.162+/-0.035 χ^2/NDF:192332.3/32

All: -13.602+/-0.025 χ^2/NDF: 314133.0/60



Right In: 0.573+/-0.056 χ^2/NDF: 3584.0/21

Left Out: 0.591+/-0.033 χ^2/NDF:6796.5/24

Right Out: 0.218+/-0.050 χ^2/NDF: 4024.4/26

Left In: 0.394+/-0.032 χ^2/NDF:6059.8/22

Left: 0.488+/-0.023 χ^2/NDF: 12874.6/47

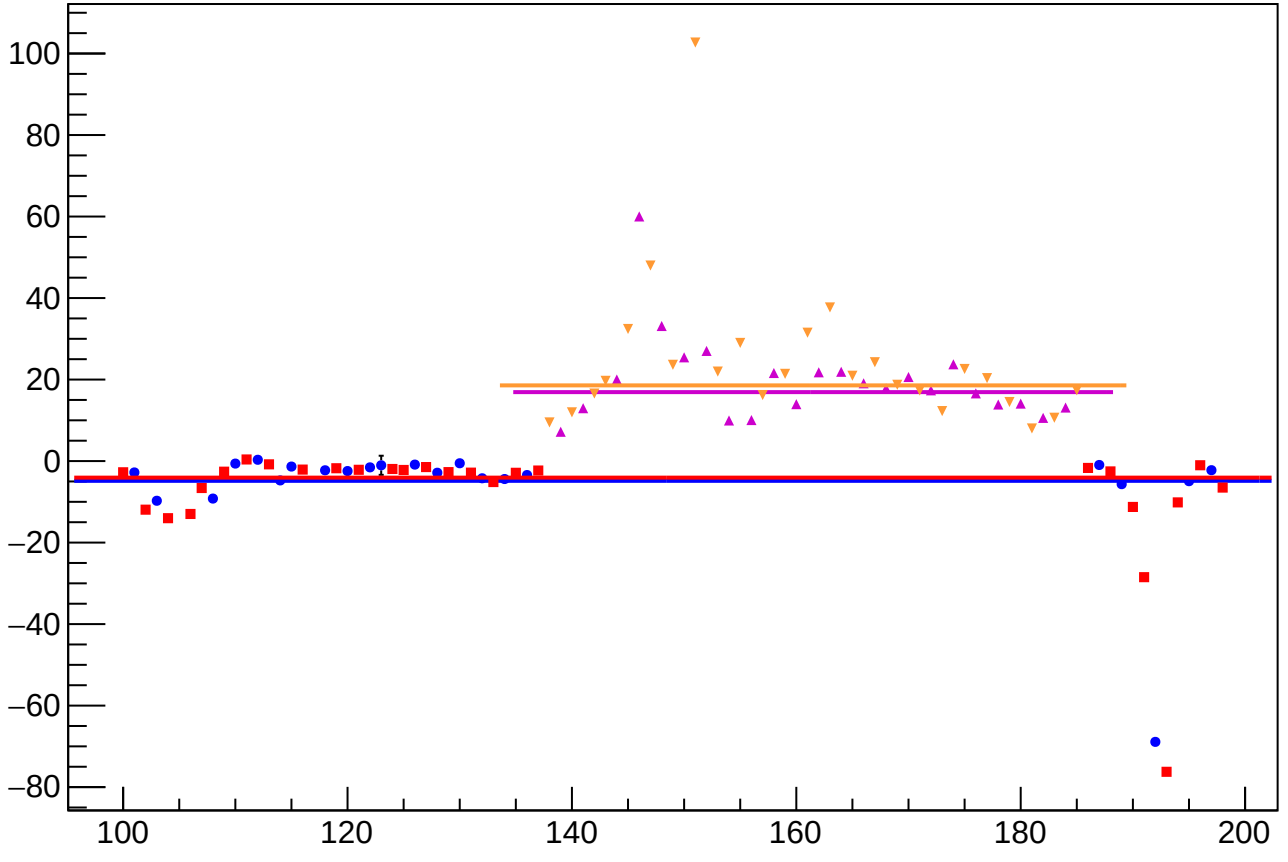
Right: 0.378+/-0.037 χ^2/NDF: 7630.6/48

In: 0.438+/-0.028 χ^2/NDF:9651.5/44

Out: 0.478+/-0.028 χ^2/NDF:10858.8/51

All: 0.458+/-0.020 χ^2/NDF: 20511.4/96

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.847+/-0.068 χ^2/NDF: 25071.0/21

Left Out: 18.573+/-0.040 χ^2/NDF:76029.9/24

Right Out: -4.062+/-0.053 χ^2/NDF: 25606.3/26

Left In: 16.919+/-0.039 χ^2/NDF:40154.5/22

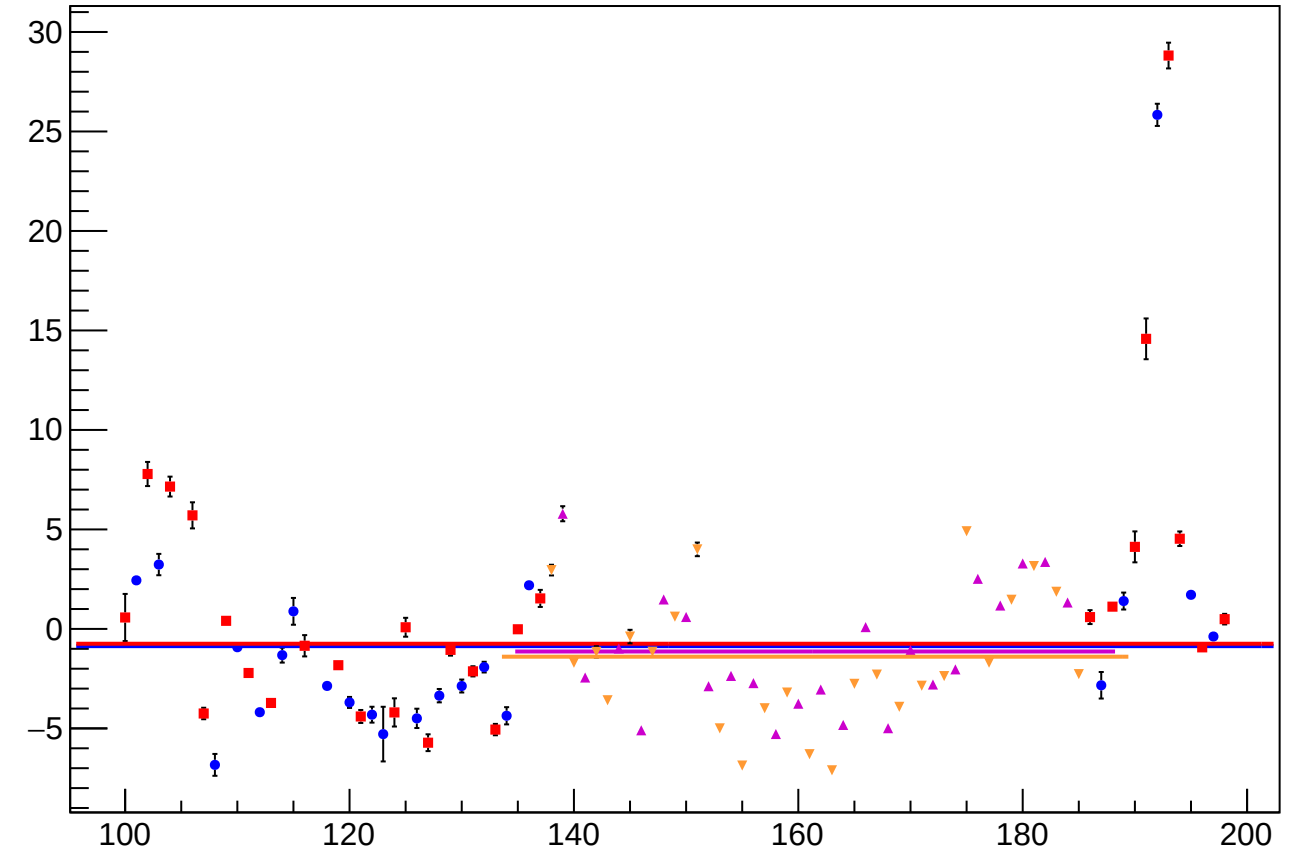
Left: 17.718+/-0.028 χ^2/NDF: 117057.3/47

Right: -4.361+/-0.042 χ^2/NDF: 50760.4/48

In: 11.524+/-0.034 χ^2/NDF:142793.7/44

Out: 10.314+/-0.032 χ^2/NDF:216975.6/51

All: 10.888+/-0.023 χ^2/NDF: 360445.3/96



Right In: -0.866+/-0.066 χ^2/NDF: 3758.4/21

Left Out: -1.396+/-0.037 χ^2/NDF:7651.5/24

Right Out: -0.745+/-0.059 χ^2/NDF: 4267.4/26

Left In: -1.135+/-0.035 χ^2/NDF:6597.7/22

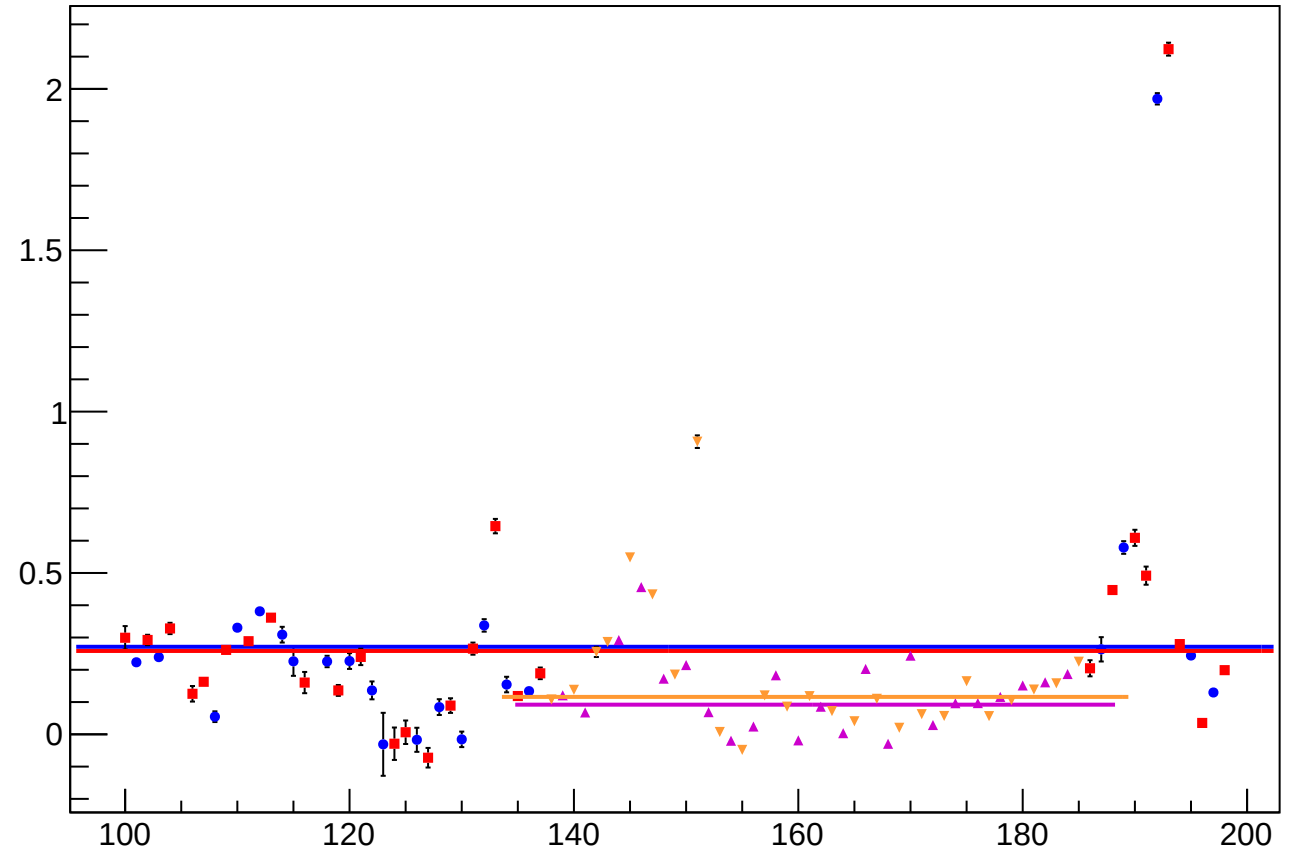
Left: -1.259+/-0.025 χ^2/NDF: 14275.6/47

Right: -0.800+/-0.044 χ^2/NDF: 8027.7/48

In: -1.074+/-0.031 χ^2/NDF:10369.2/44

Out: -1.215+/-0.031 χ^2/NDF:12005.8/51

All: -1.144+/-0.022 χ^2/NDF: 22385.1/96



Right In: 0.271+/-0.003 χ^2/NDF: 10713.5/21

Left Out: 0.116+/-0.002 χ^2/NDF:4463.0/24

Right Out: 0.258+/-0.003 χ^2/NDF: 11059.5/26

Left In: 0.092+/-0.002 χ^2/NDF:3631.4/22

Left: 0.103+/-0.001 χ^2/NDF: 8207.3/47

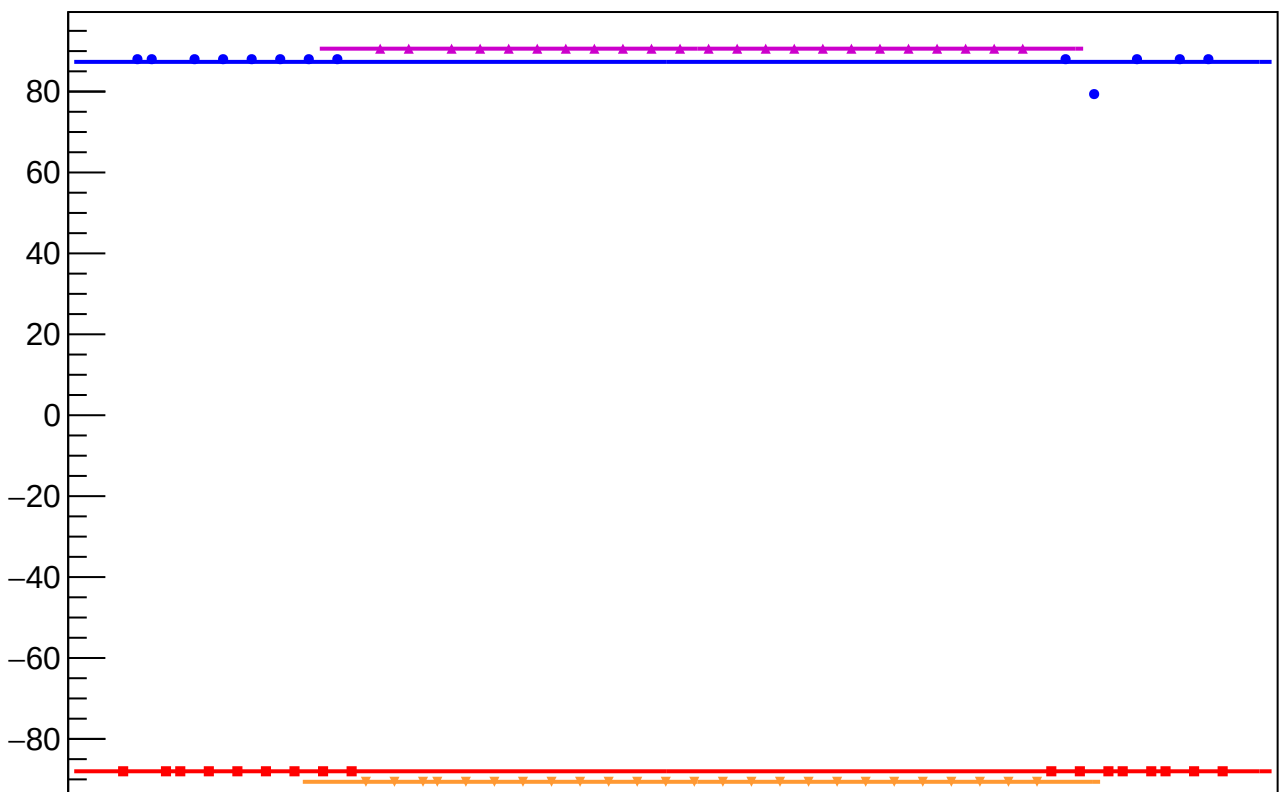
Right: 0.264+/-0.002 χ^2/NDF: 21782.0/48

In: 0.126+/-0.001 χ^2/NDF:16852.4/44

Out: 0.151+/-0.001 χ^2/NDF:17371.5/51

All: 0.138+/-0.001 χ^2/NDF: 34390.2/96

VWienAngle_mean vs Slug, Sign Corrected



Right In: 87.336+/-0.000 χ^2/NDF: 3503687290113232830043130383302656.0/12

Left Out: -90.599+/-0.000 χ^2/NDF:6053403.0/24

Right Out: -88.001+/-0.000 χ^2/NDF: 591910.7/16

Left In: 90.599+/-0.000 χ^2/NDF:5932436.0/22

Left: -2.410+/-0.000 χ^2/NDF: 30521213250005045

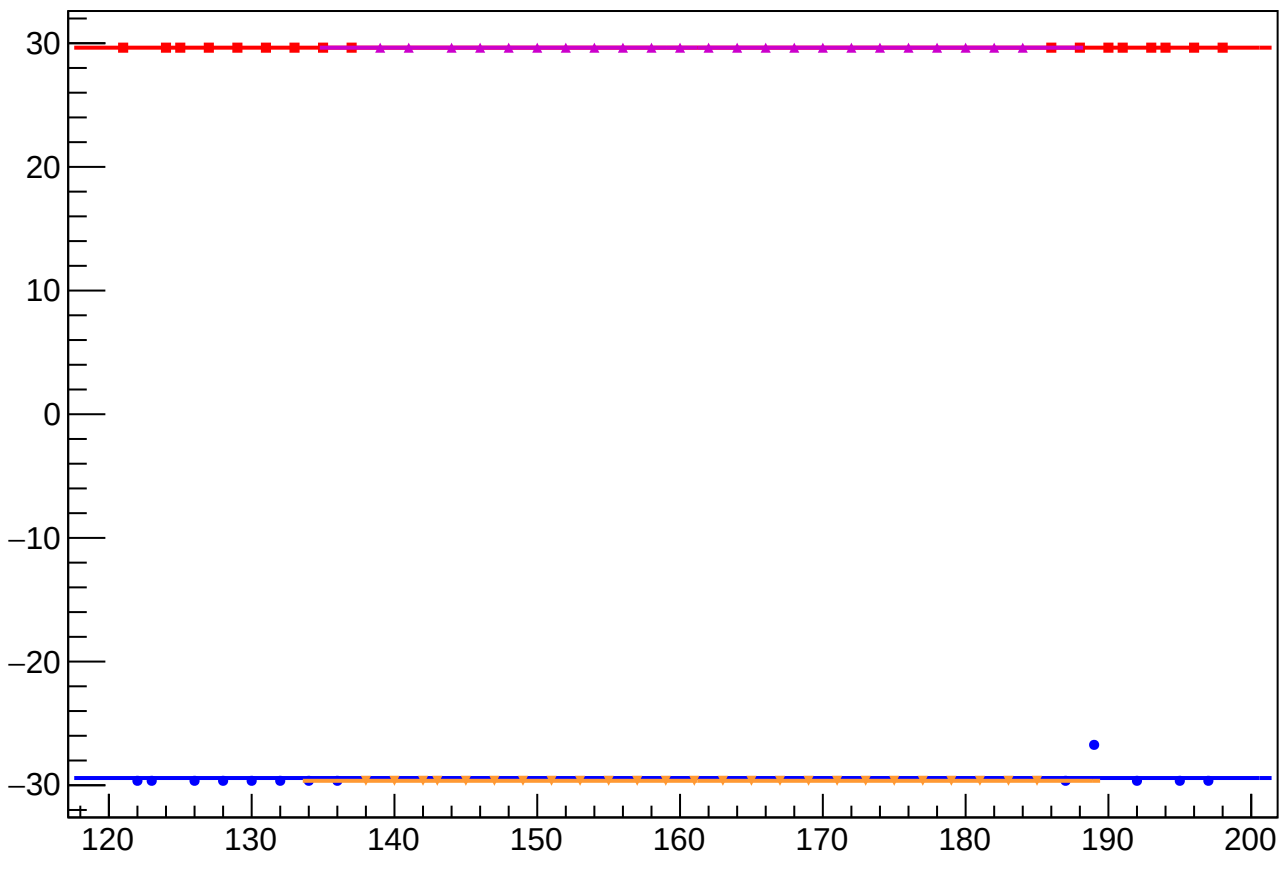
Right: -10.825+/-0.000 χ^2/NDF: 1139729186584219

In: 89.726+/-0.000 χ^2/NDF:866610866450140681

Out: -89.804+/-0.000 χ^2/NDF:3946151988214443

All: -4.832+/-0.000 χ^2/NDF: 4199433418896

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.417+/-0.000 χ^2/NDF: 3974935231516276717260078233681920/12

Left Out: -29.641+/-0.000 χ^2/NDF:654199.2/24

Right Out: 29.641+/-0.000 χ^2/NDF: 1159234.3/16

Left In: 29.641+/-0.000 χ^2/NDF:511825.6/22

Left: -0.789+/-0.000 χ^2/NDF: 32668496095314519

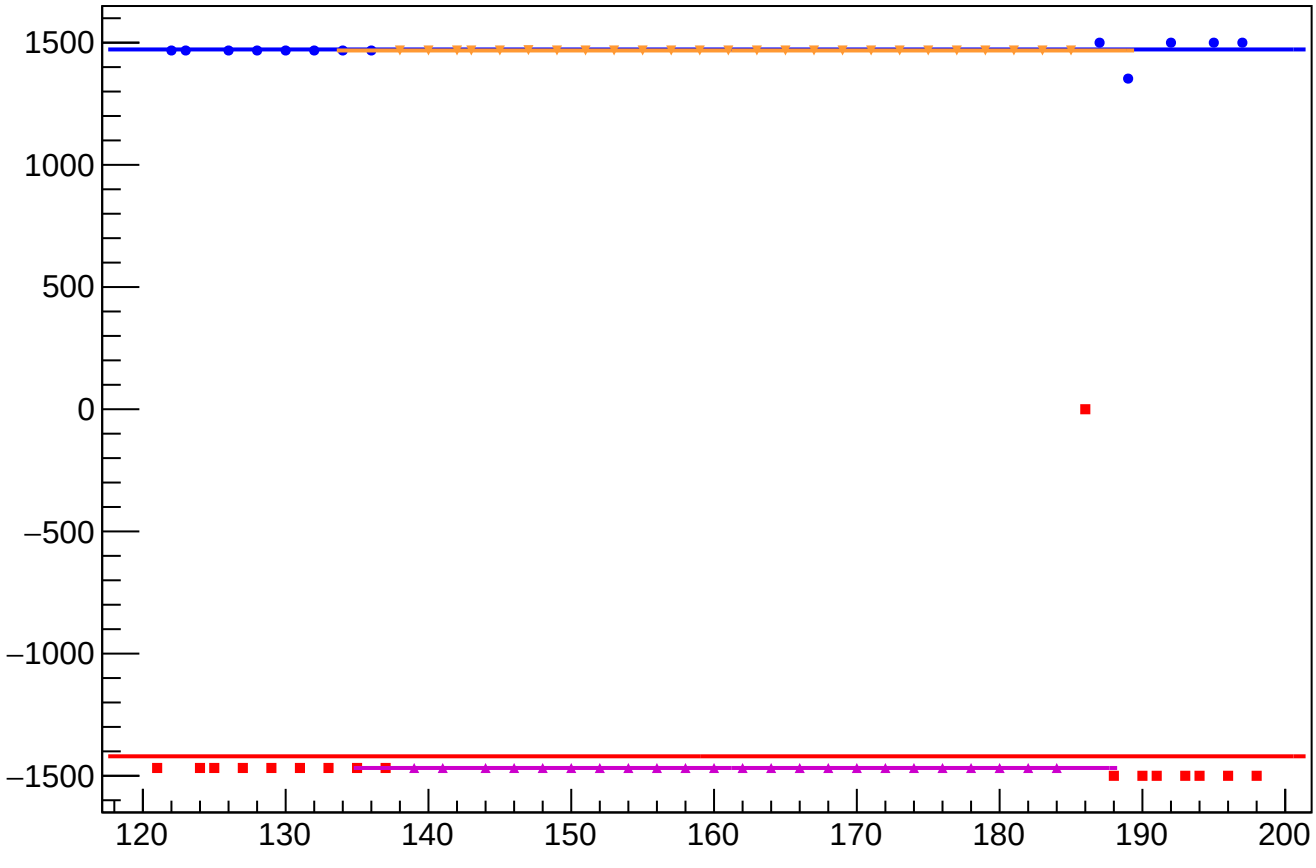
Right: 3.646+/-0.000 χ^2/NDF: 12930234130554204

In: 13.832+/-0.000 χ^2/NDF:169123914995441294

Out: -11.503+/-0.000 χ^2/NDF:2053685910940334

All: 0.488+/-0.000 χ^2/NDF: 4580936286742

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1472.274+/-0.000 χ^2/NDF: 941606876977932272704673896279834624.0/12

Left Out: 1468.048+/-0.000 χ^2/NDF:1279609809229659750390695020462208.0/24

Right Out: -1420.250+/-0.000 χ^2/NDF: 80468728696404475289091073669672730624.0/16

Left In: -1467.994+/-0.000 χ^2/NDF:14584870234027503531099317862 4.0/22

Left: 39.085+/-0.000 χ^2/NDF: 80133946076775322

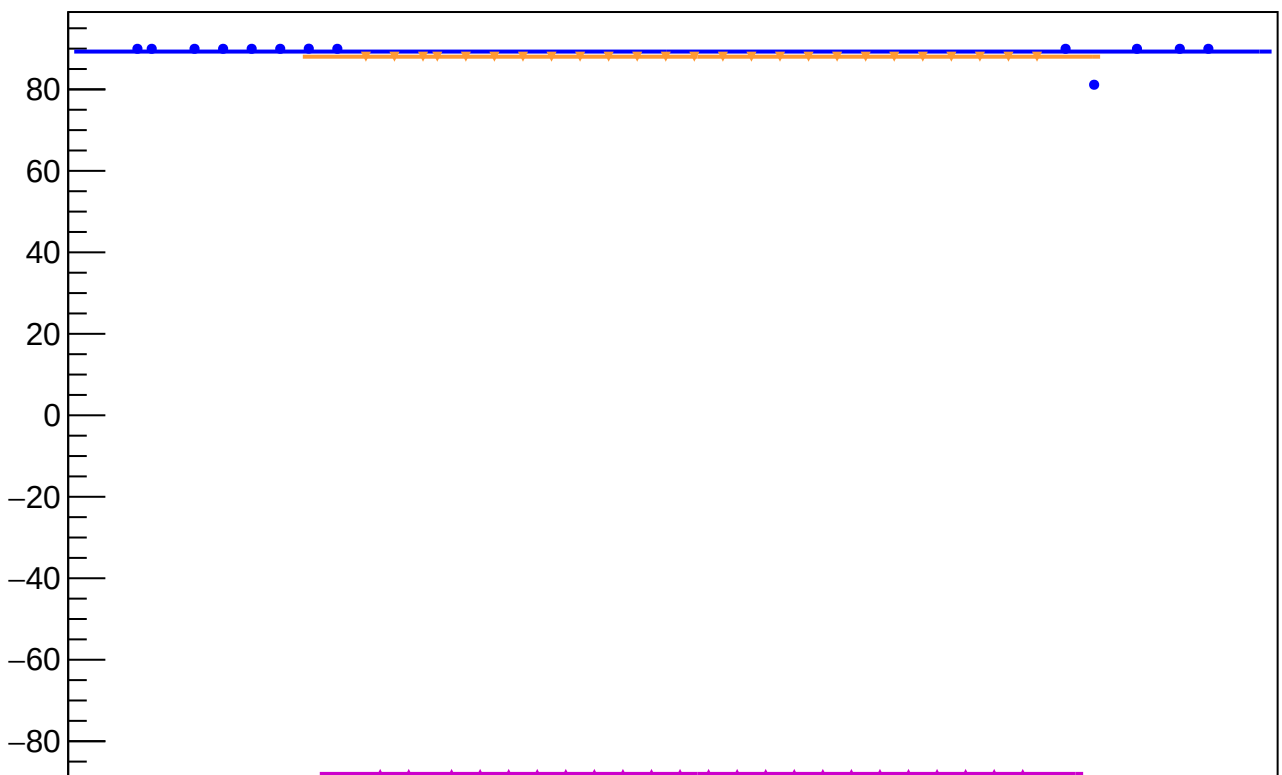
Right: -147.078+/-0.000 χ^2/NDF: 31822261767736

In: -680.910+/-0.000 χ^2/NDF:4192021990429438

Out: 584.346+/-0.000 χ^2/NDF:495553856957421

All: -14.501+/-0.000 χ^2/NDF: 11232740612

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.281+/-0.000 χ^2/NDF: 3662348305424045289439749442895872.0/12

Left Out: 88.021+/-0.000 χ^2/NDF:5326388.8/24

Right Out: -89.959+/-0.000 χ^2/NDF: 2654611.6/16

Left In: -88.021+/-0.000 χ^2/NDF:6084099.2/22

Left: 2.342+/-0.000 χ^2/NDF: 2880857693124019780

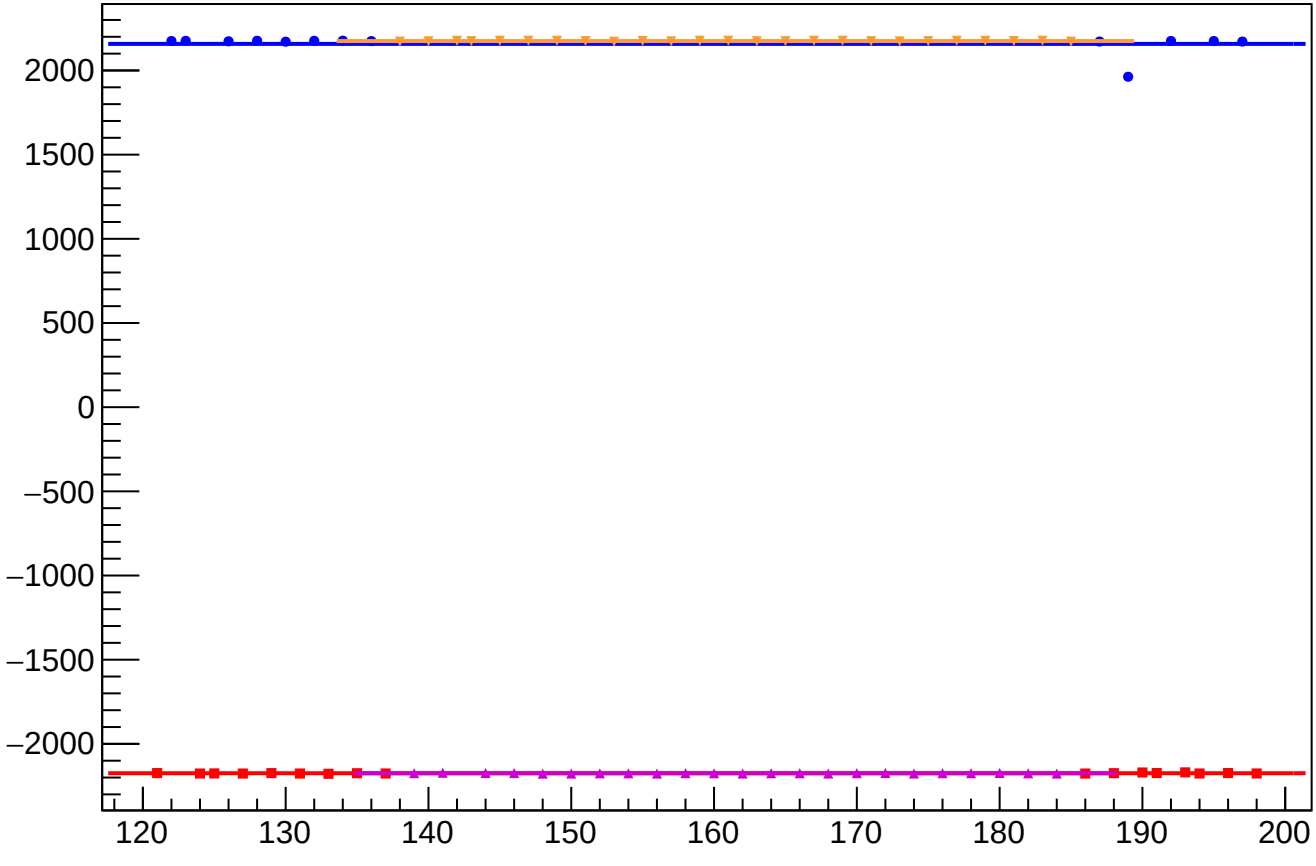
Right: -11.065+/-0.000 χ^2/NDF: 119104070542265

In: -40.559+/-0.000 χ^2/NDF:15243404557918981

Out: 33.566+/-0.000 χ^2/NDF:18511407193636597

All: -1.517+/-0.000 χ^2/NDF: 4091150398205

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2157.931+/-0.000 χ^2/NDF: 21100148870602219901386874162962759680.0/12

Left Out: 2174.622+/-0.000 χ^2/NDF:51105781354760931108749115958231040.0/24

Right Out: -2174.391+/-0.000 χ^2/NDF: 42194193764832883343277435293532160.0/16

Left In: -2174.539+/-0.000 χ^2/NDF:34007425624251689674946653915709440.0/22

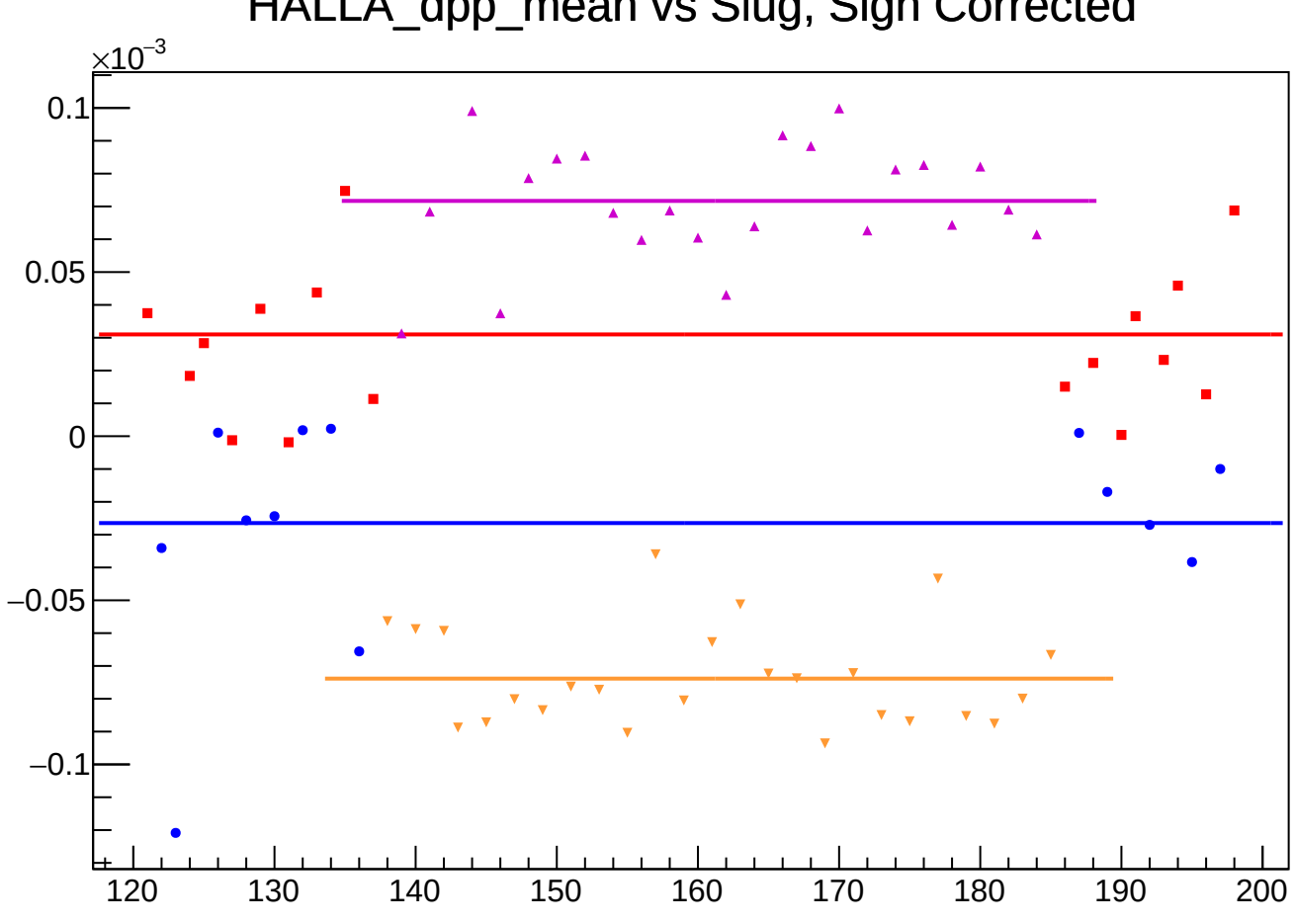
Left: 57.898+/-0.000 χ^2/NDF: 17583418754650851

Right: -267.478+/-0.000 χ^2/NDF: 695818097135200

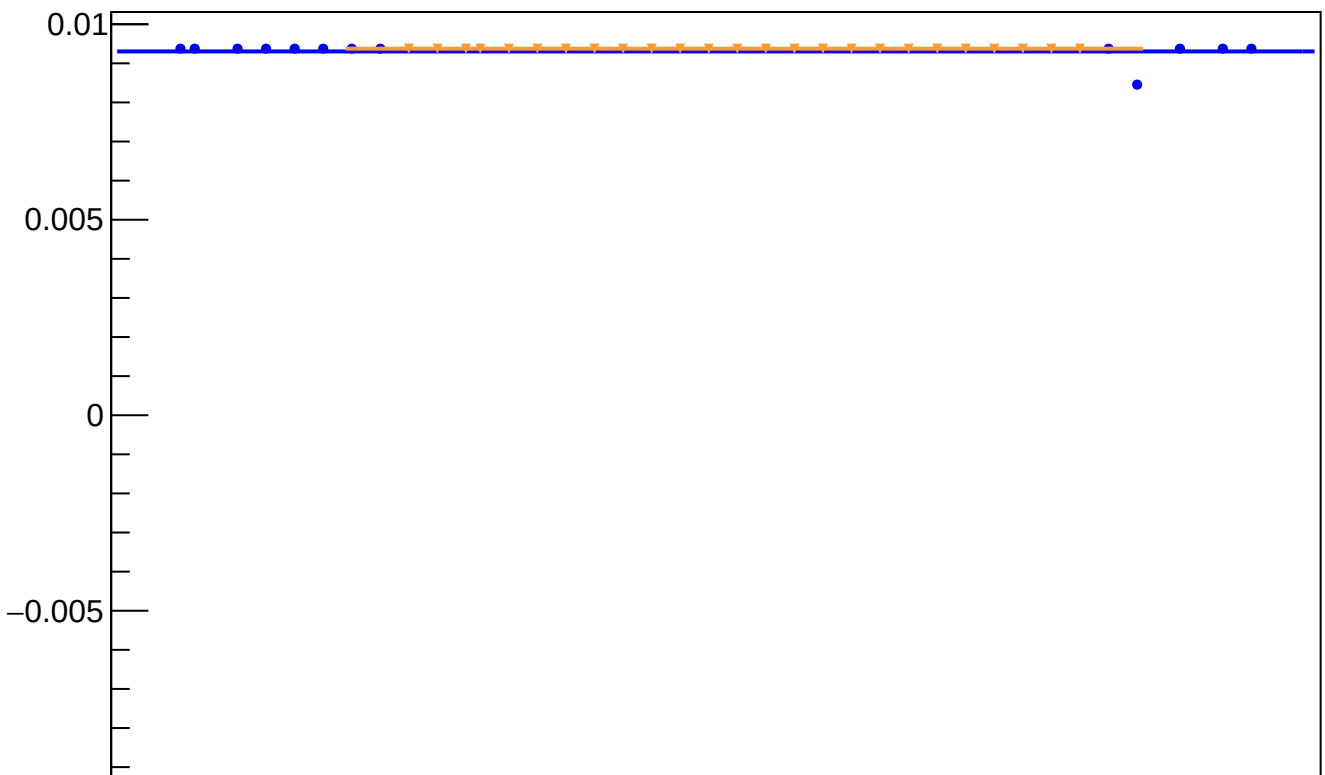
In: -1014.775+/-0.000 χ^2/NDF:910173839609860

Out: 844.001+/-0.000 χ^2/NDF:1105296501612621

All: -35.761+/-0.000 χ^2/NDF: 246549940929


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
120
130
140
150
160
170
180
190
200
Right In: -0.000+/-0.000 χ²/NDF: 3024476196476548903075840.0/12
Left Out: -0.000+/-0.000 χ²/NDF:4504009341805410690007040.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4203406078607820786237440.0/16
Left In: 0.000+/-0.000 χ²/NDF:5621662790207394168176640.0/22
Left: -0.000+/-0.000 χ²/NDF: 207026965644331510
Right: 0.000+/-0.000 χ²/NDF: 19469254724621755
In: 0.000+/-0.000 χ²/NDF:5534731643915253774
Out: -0.000+/-0.000 χ²/NDF:72964930132369617
All: -0.000+/-0.000 χ²/NDF: 2273126948974

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3976450734183324976152576 0.0/12

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/16

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

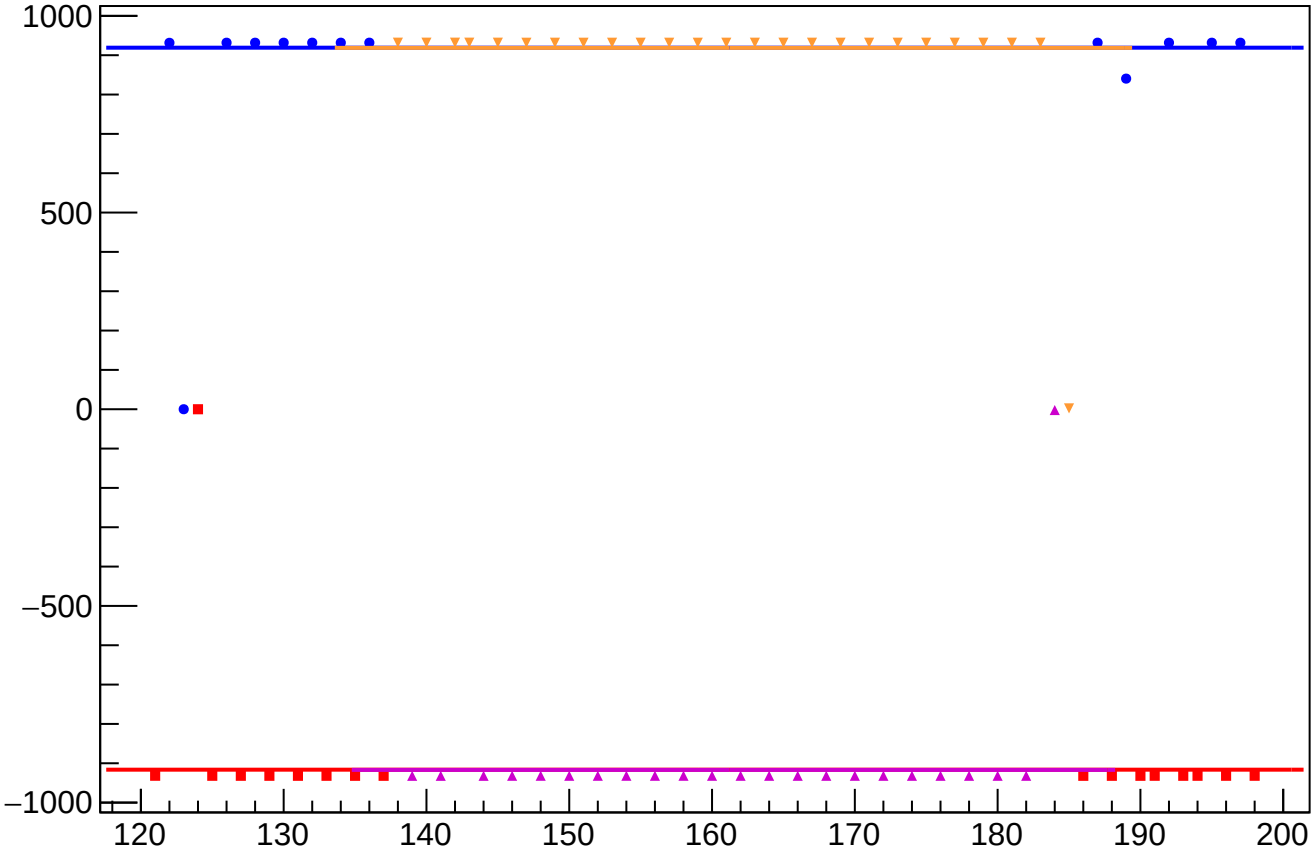
Right: -0.001+/-0.000 χ^2/NDF: 1293516397297155

In: -0.004+/-0.000 χ^2/NDF:169188395981749526

Out: 0.004+/-0.000 χ^2/NDF:205446890897528535

All: -0.000+/-0.000 χ^2/NDF: 4582682836247

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 919.127+/-0.000 χ^2/NDF: 3791651103304374580367909158729547776.0/12

Left Out: 918.645+/-0.000 χ^2/NDF:230034987040560849397524325213363240 96.0/24

Right Out: -916.316+/-0.000 χ^2/NDF: 11952804178493698952411340353008828416.0/16

Left In: -916.890+/-0.000 χ^2/NDF:24667894917476231250286944388888133632.0/22

Left: 25.295+/-0.000 χ^2/NDF: 31796385721824018

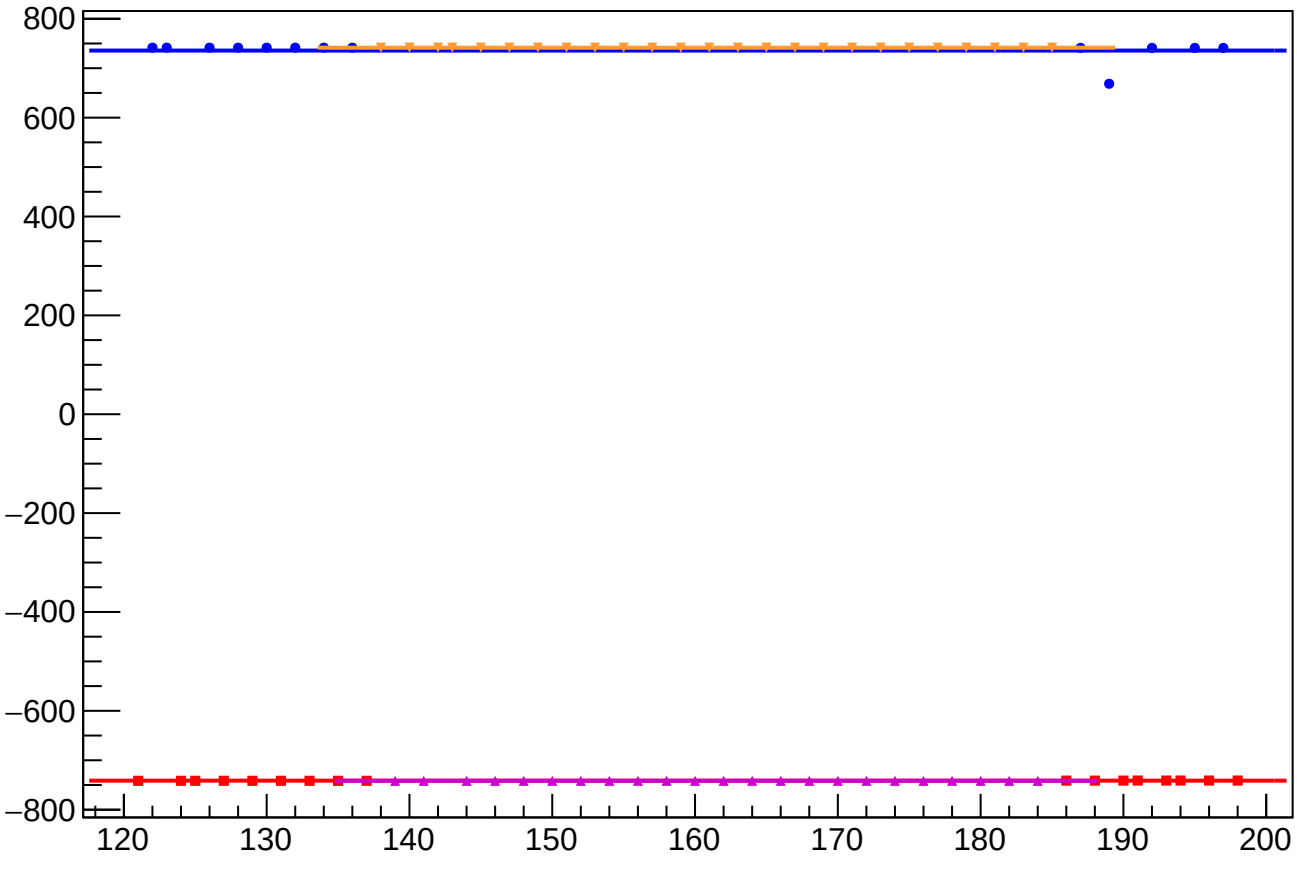
Right: -108.428+/-0.000 χ^2/NDF: 12642882229208

In: -425.404+/-0.000 χ^2/NDF:1662660861926833

Out: 357.222+/-0.000 χ^2/NDF:2002617432707464

All: -13.196+/-0.000 χ^2/NDF: 446307972992

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 735.699+/-0.000 χ^2/NDF: 249555998538674626614118291152568320.0/12

Left Out: 741.513+/-0.000 χ^2/NDF:244782737401533731539808944128.0/24

Right Out: -741.242+/-0.000 χ^2/NDF: 437214013278183915625838060503040/16

Left In: -741.512+/-0.000 χ^2/NDF:215375309108434607405602439168.0/22

Left: 19.729+/-0.000 χ^2/NDF: 20445098666994125

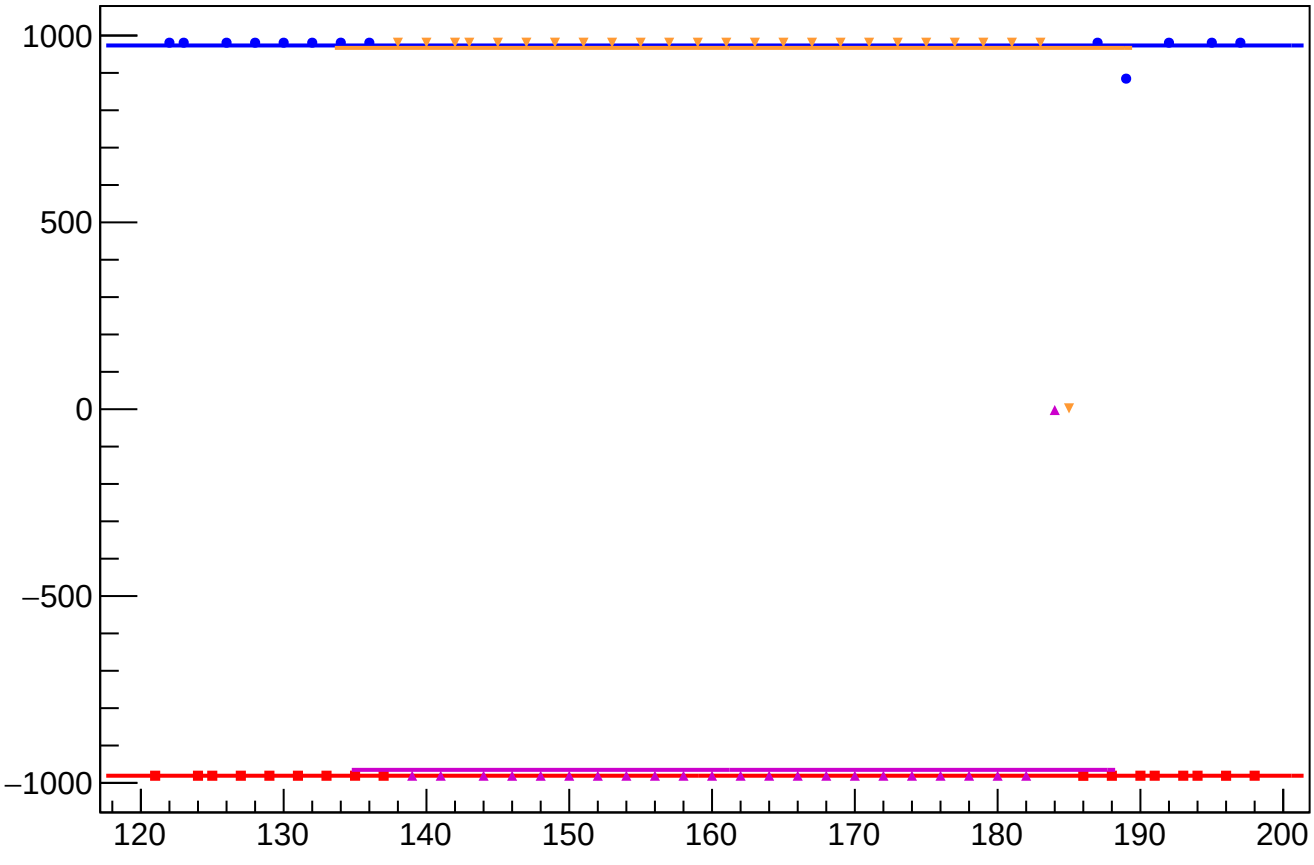
Right: -91.152+/-0.000 χ^2/NDF: 80869120065321

In: -346.076+/-0.000 χ^2/NDF:1058132355216820

Out: 287.850+/-0.000 χ^2/NDF:128480111957081

All: -12.188+/-0.000 χ^2/NDF: 286636959114

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 973.414+/-0.000 χ^2/NDF: 435470248219584920376884692749647872.0/12

Left Out: 966.936+/-0.000 χ^2/NDF:254855786165434586294322846451839795 20.0/24

Right Out: -980.836+/-0.000 χ^2/NDF: 272459751154774290254133408563 2.0/16

Left In: -965.102+/-0.000 χ^2/NDF:27330319430012441419356351914146004992.0/22

Left: 26.619+/-0.000 χ^2/NDF: 35227684296675597

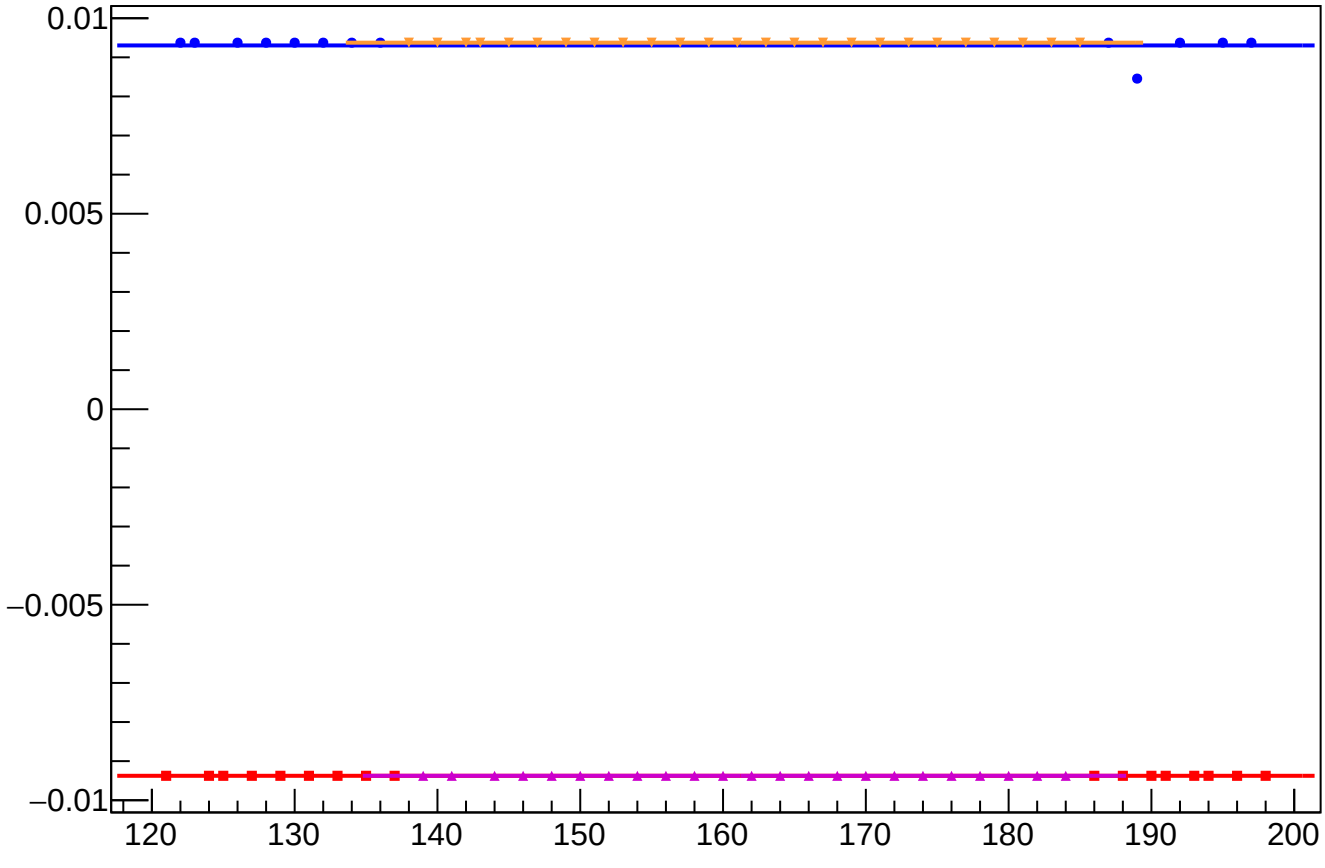
Right: -120.654+/-0.000 χ^2/NDF: 14158460730357

In: -446.179+/-0.000 χ^2/NDF:1849525748074224

Out: 370.997+/-0.000 χ^2/NDF:2242524069170829

All: -15.773+/-0.000 χ^2/NDF: 496184539050

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3976450734183324976152576 0.0/12

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/16

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

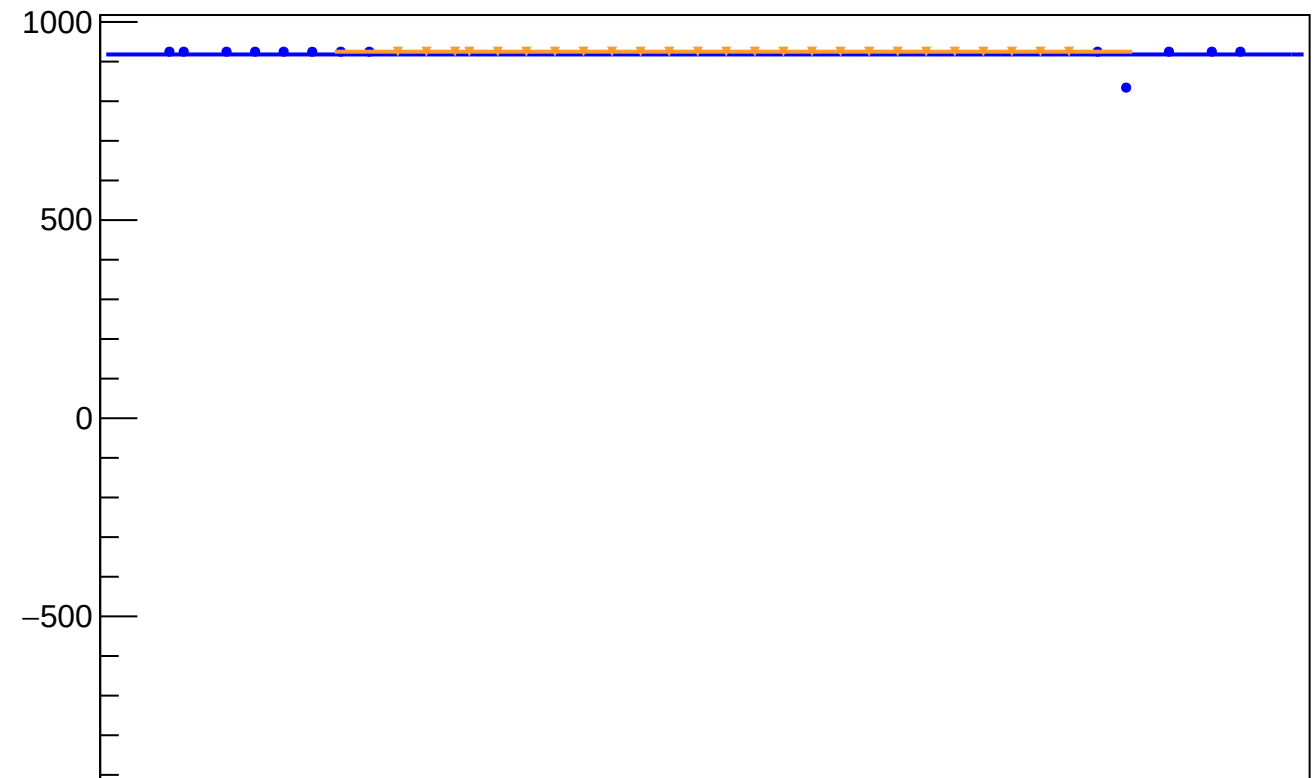
Right: -0.001+/-0.000 χ^2/NDF: 1293516397297155

In: -0.004+/-0.000 χ^2/NDF:169188395981749526

Out: 0.004+/-0.000 χ^2/NDF:205446890897528535

All: -0.000+/-0.000 χ^2/NDF: 4582682836247

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 917.991+/-0.000 χ^2/NDF: 3866539227319725809286169403662008 32.0/12

Left Out: 924.983+/-0.000 χ^2/NDF:1041831865443970524066476982272.0/24

Right Out: -924.994+/-0.000 χ^2/NDF: 770088727856434159191096033280.0/16

Left In: -924.983+/-0.000 χ^2/NDF:888539224321534960792212865024.0/22

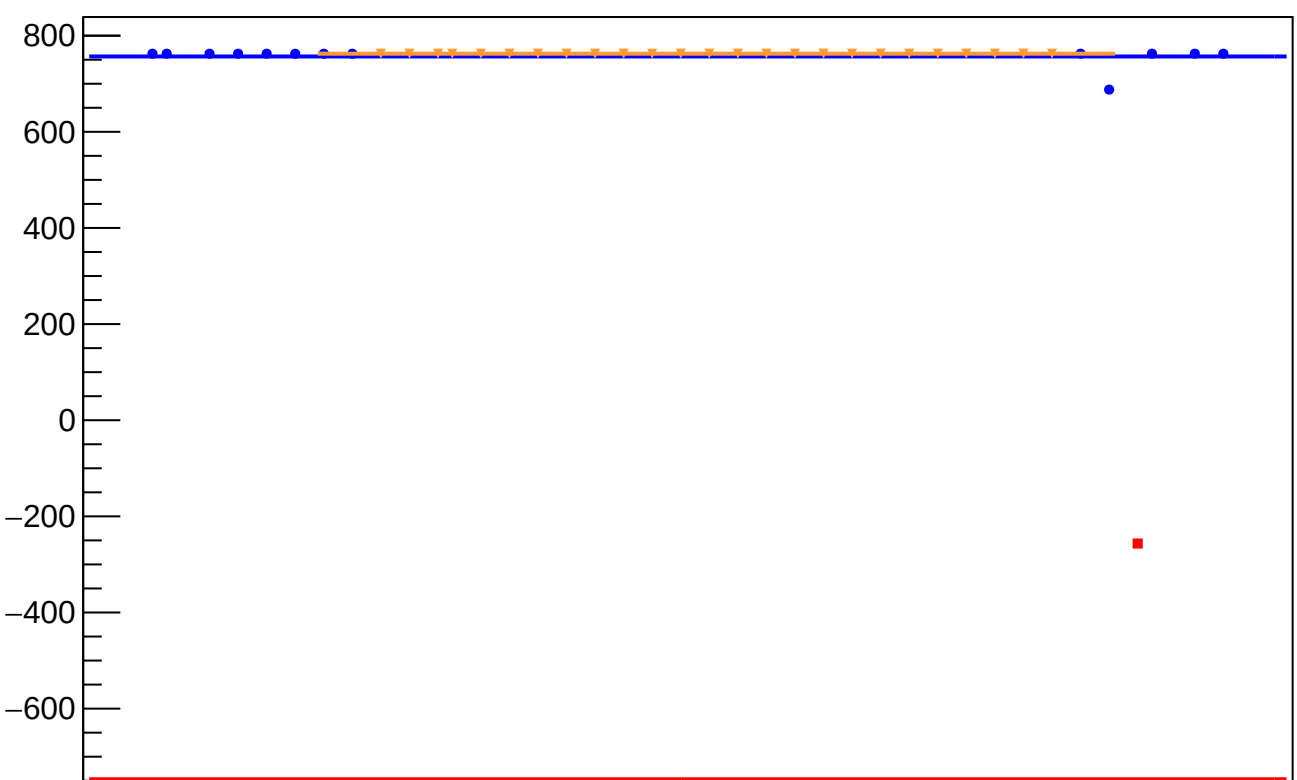
Left: 24.610+/-0.000 χ^2/NDF: 3181408269392091

Right: -113.786+/-0.000 χ^2/NDF: 125921241335748

In: -431.635+/-0.000 χ^2/NDF:1646996283143967

Out: 358.965+/-0.000 χ^2/NDF:199999687691840

All: -15.227+/-0.000 χ^2/NDF: 4461135541811



Right In: 756.751+/-0.000 χ^2/NDF: 26261471199881425148905296880887398 4.0/12

Left Out: 762.518+/-0.000 χ^2/NDF:731741258759628909874415403008.0/24

Right Out: -746.905+/-0.000 χ^2/NDF: 64508286591588804924069199051719966 72.0/16

Left In: -762.519+/-0.000 χ^2/NDF:62905835541921440815529748070 4.0/22

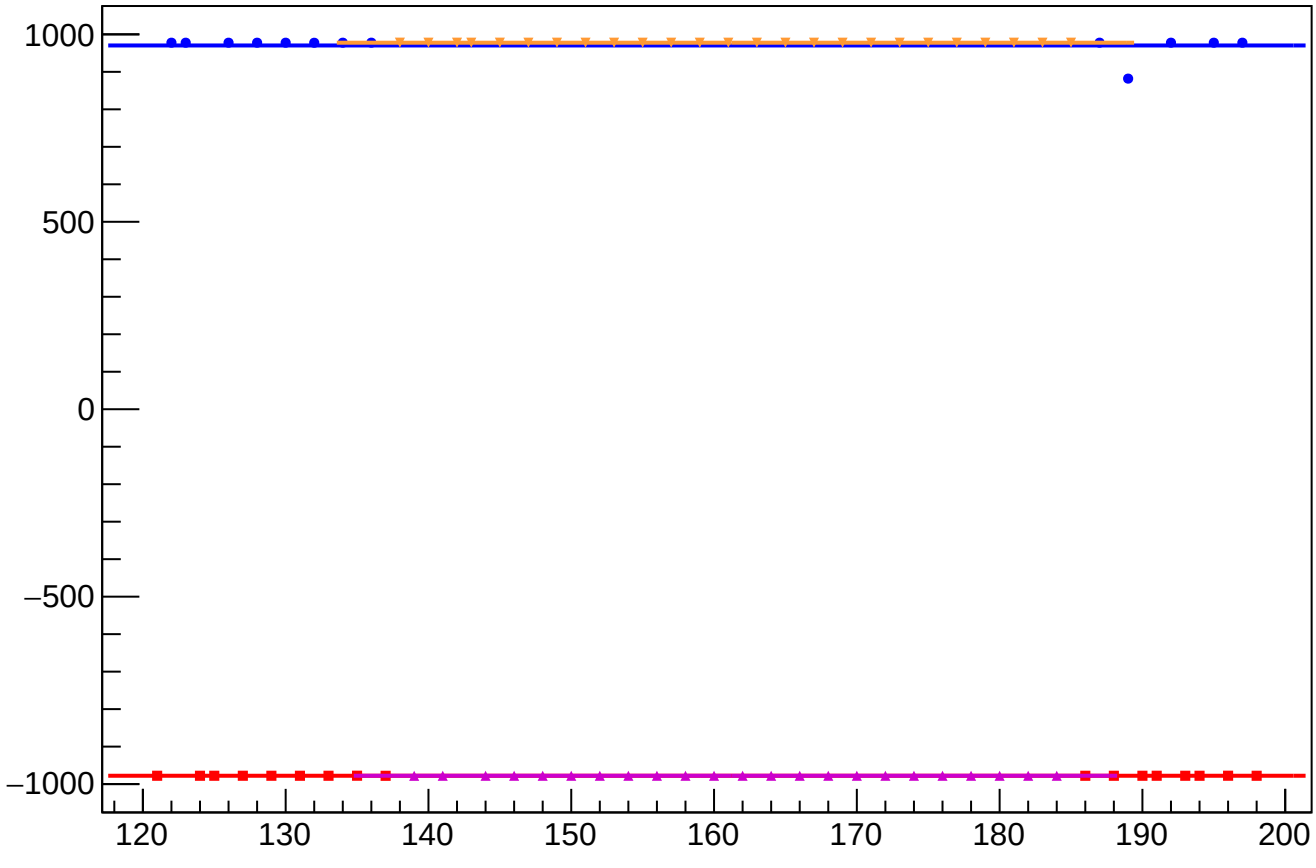
Left: 20.287+/-0.000 χ^2/NDF: 21619874128230354

Right: -85.057+/-0.000 χ^2/NDF: 8446657335734810

In: -355.824+/-0.000 χ^2/NDF:1119242031901378

Out: 300.696+/-0.000 χ^2/NDF:1337884163347006

All: -10.036+/-0.000 χ^2/NDF: 30185392507 4



Right In: 970.367+/-0.000 χ^2/NDF: 432270508780676184899142733583613952.0/12

Left Out: 977.738+/-0.000 χ^2/NDF:1154150409979077132991401558016.0/24

Right Out: -977.749+/-0.000 χ^2/NDF: 17144195880667289525511155171328.0/16

Left In: -977.735+/-0.000 χ^2/NDF:976503887937607318263199432704.0/22

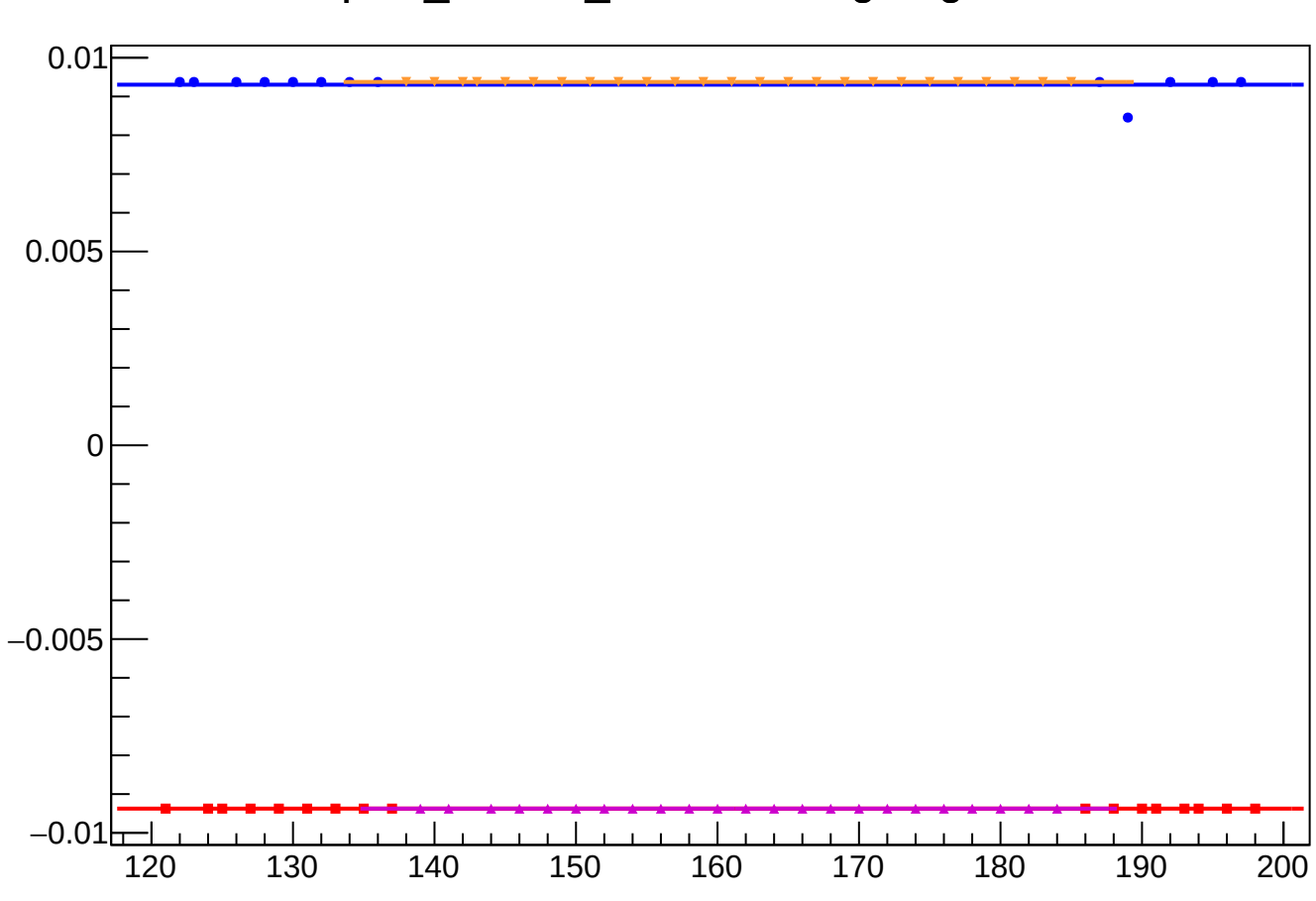
Left: 26.015+/-0.000 χ^2/NDF: 35546397150663117

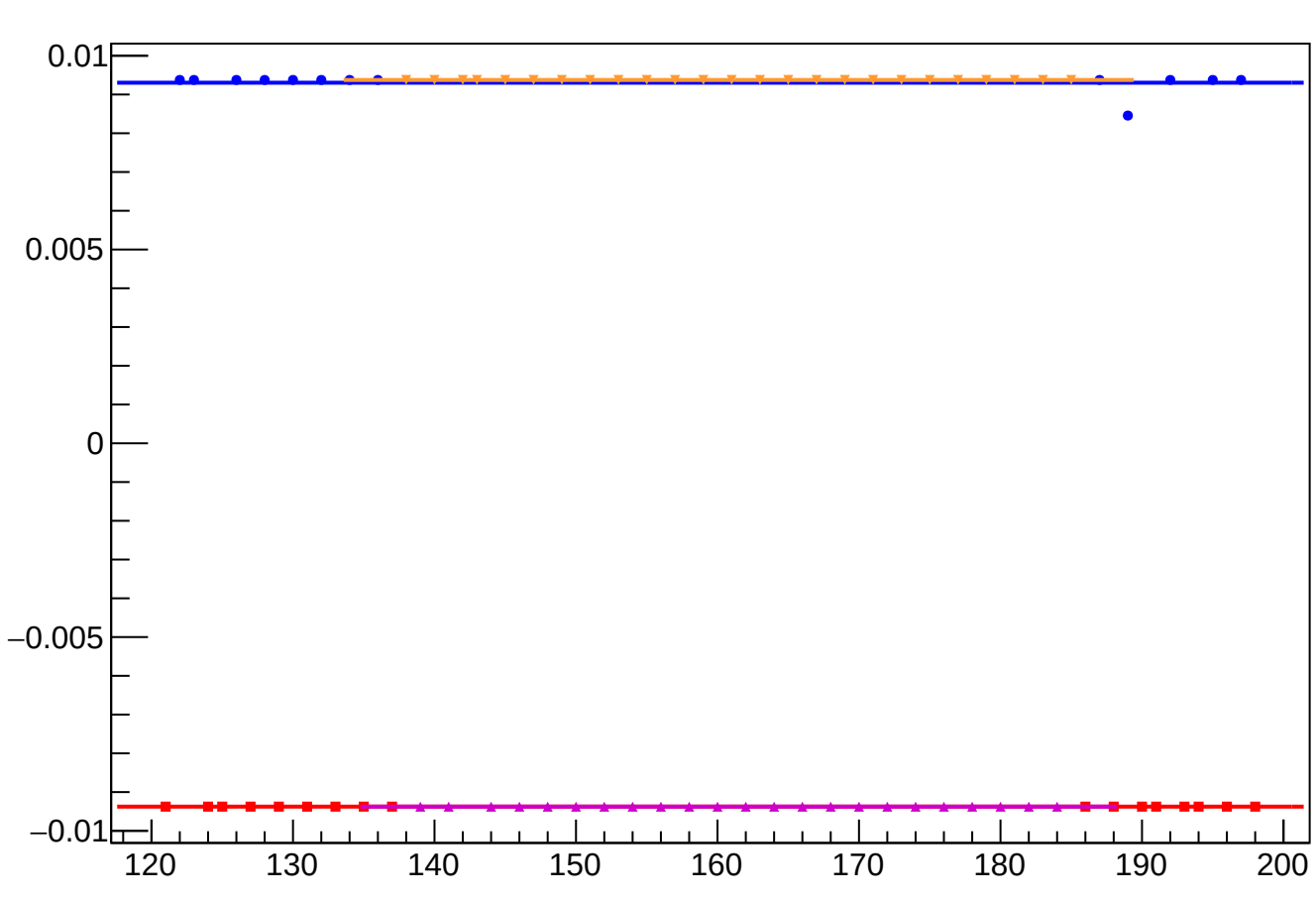
Right: -120.267+/-0.000 χ^2/NDF: 14069710676732

In: -456.245+/-0.000 χ^2/NDF:1840253305387910

Out: 379.438+/-0.000 χ^2/NDF:2234635335733754

All: -16.092+/-0.000 χ^2/NDF: 49845301247


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
120
130
140
150
160
170
180
190
200
Right In: 0.009+/-0.000 χ²/NDF: 39764507341833249761525760.0/12
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.1/16
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 326809514411447718
Right: -0.001+/-0.000 χ²/NDF: 1293516397297155
In: -0.004+/-0.000 χ²/NDF:169188395981749526
Out: 0.004+/-0.000 χ²/NDF:205446890897528535
All: -0.000+/-0.000 χ²/NDF: 4582682836247



Right In: 0.009+/-0.000 χ^2/NDF: 3976450734183324976152576 0.0/12

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/16

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 326809514411447718

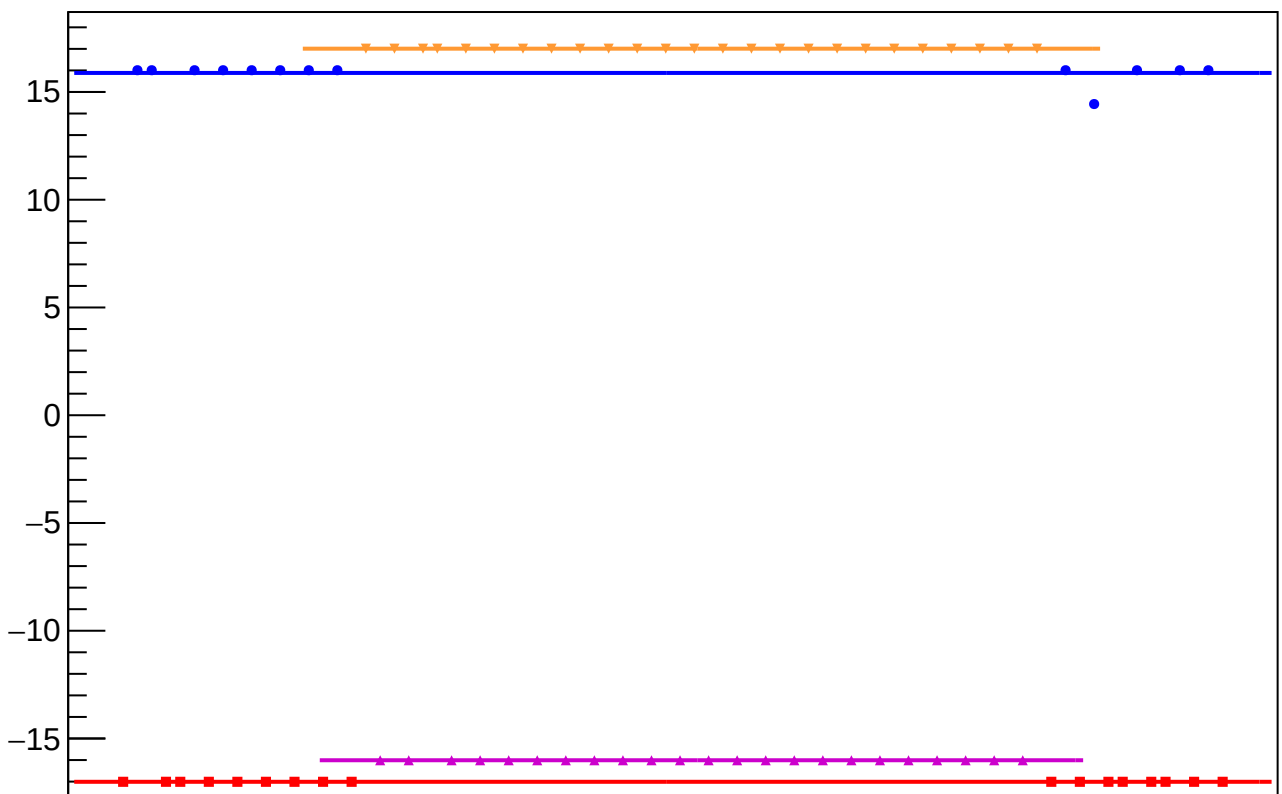
Right: -0.001+/-0.000 χ^2/NDF: 1293516397297155

In: -0.004+/-0.000 χ^2/NDF:169188395981749526

Out: 0.004+/-0.000 χ^2/NDF:205446890897528535

All: -0.000+/-0.000 χ^2/NDF: 4582682836247

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.939+/-0.000 χ^2/NDF: 941837157361130802

Right In: 15.884+/-0.000 χ^2/NDF: 1155626089961880660453806393262080/12

Right: -2.700+/-0.000 χ^2/NDF: 3888392219480610

Left Out: 17.009+/-0.000 χ^2/NDF:26284444608576238643052544.0/24

In: -7.263+/-0.000 χ^2/NDF:469607551344449226

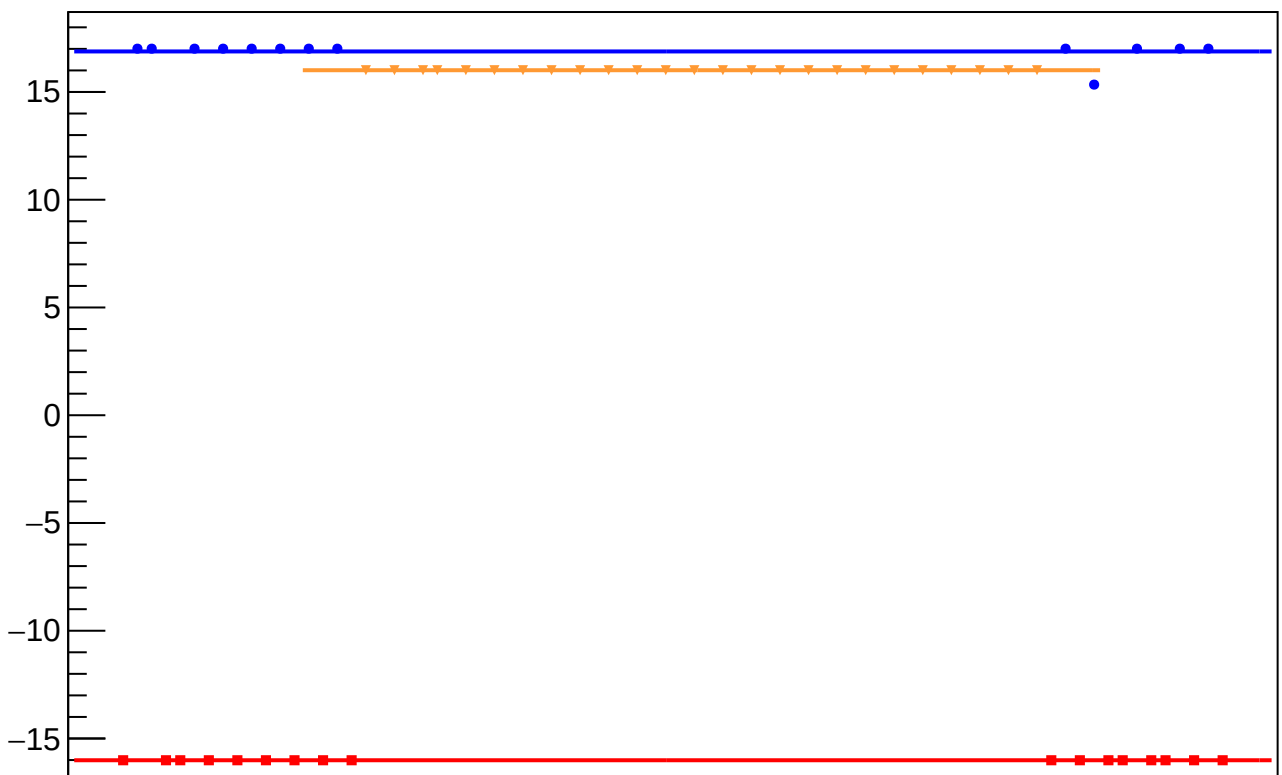
Right Out: -17.009+/-0.000 χ^2/NDF: 12551226910925336908660736.0/16

Out: 6.206+/-0.000 χ^2/NDF:65233265480466593

Left In: -16.009+/-0.000 χ^2/NDF:12797317451275667767296O.0/22

All: -0.142+/-0.000 χ^2/NDF: 1344331398640

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 16.881+/-0.000 χ^2/NDF: 13089702176349874610650688677478 4.0/12

Left Out: 16.009+/-0.000 χ^2/NDF:89740.8/24

Right Out: -16.009+/-0.000 χ^2/NDF: 196584.1/16

Left In: -17.009+/-0.000 χ^2/NDF:1150334726334456549867 52.0/22

Left: 0.042+/-0.000 χ^2/NDF: 994312337700629058

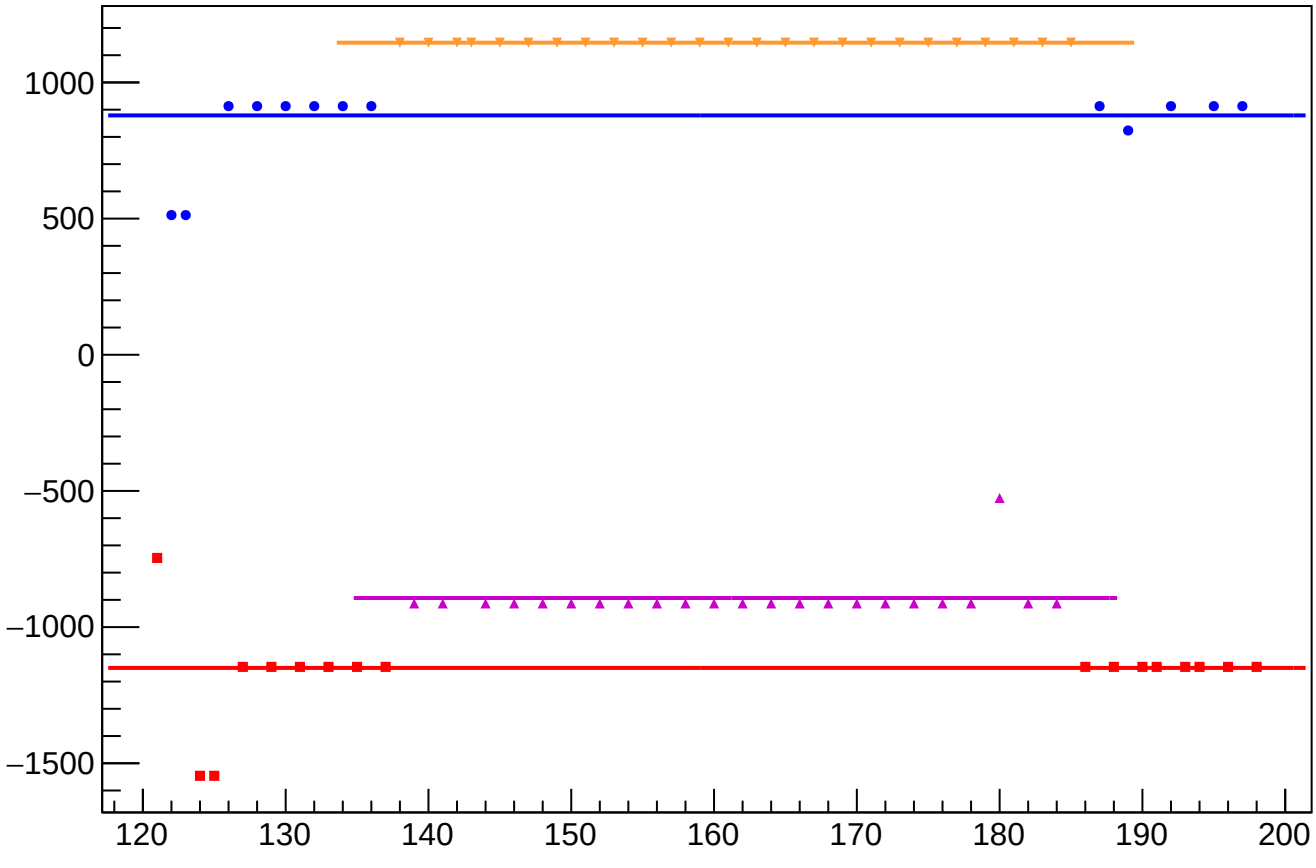
Right: -1.532+/-0.000 χ^2/NDF: 401050596994869

In: -7.769+/-0.000 χ^2/NDF:553162927063089766

Out: 6.127+/-0.000 χ^2/NDF:596785359488808902

All: -0.417+/-0.000 χ^2/NDF: 1398005106469

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 878.908+/-0.000 χ^2/NDF: 68395074573624536172055273622890086 40.0/12

Left Out: 1146.011+/-0.000 χ^2/NDF:804176097686145051923788595 2.0/24

Right Out: -1149.810+/-0.000 χ^2/NDF: 13748505263405370759247925289144025088.0/16

Left In: -893.116+/-0.000 χ^2/NDF:13219826761707982974212661987208331264.0/22

Left: 153.574+/-0.000 χ^2/NDF: 3878499194076111

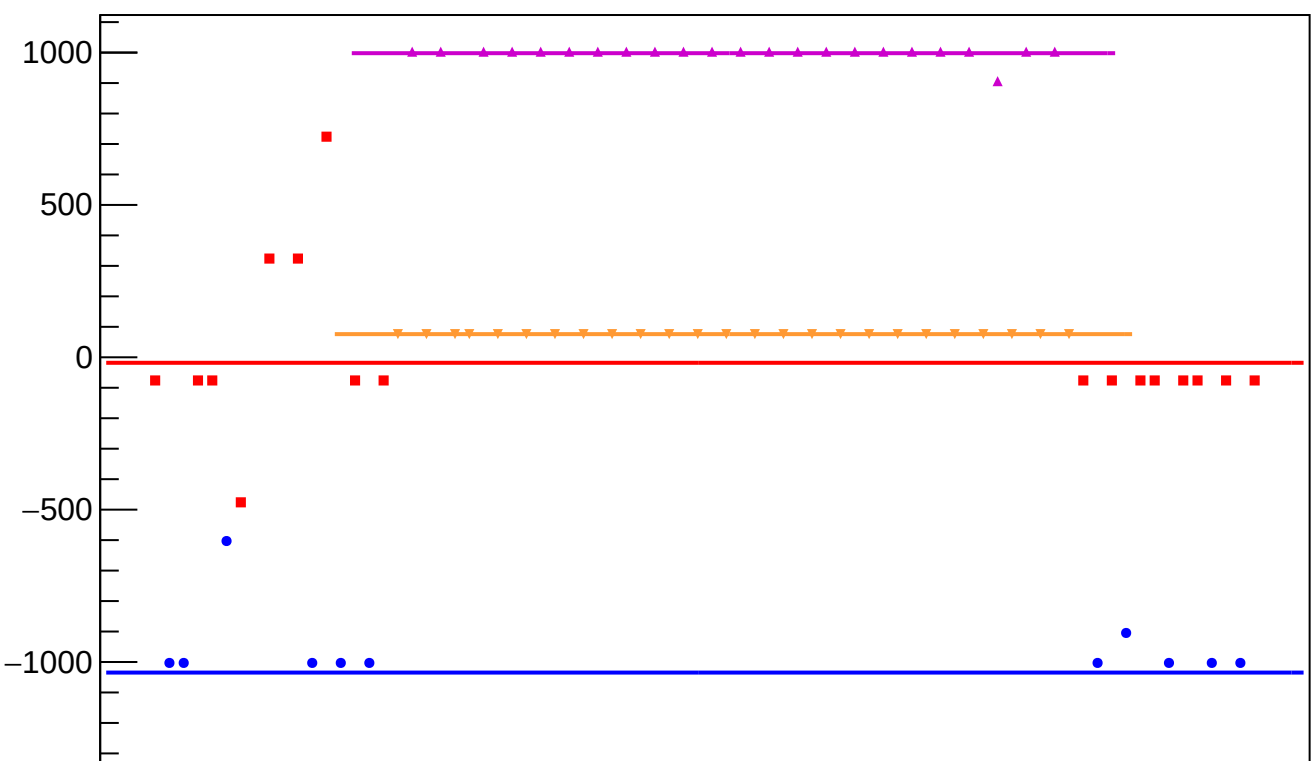
Right: -256.851+/-0.000 χ^2/NDF: 15459240871816

In: -418.761+/-0.000 χ^2/NDF:1542328584298293

Out: 443.583+/-0.000 χ^2/NDF:3093908127117914

All: 35.434+/-0.000 χ^2/NDF: 5604844423146

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 524.750+/-0.000 χ^2/NDF: 7910729679804037

Right In: -1034.689+/-0.000 χ^2/NDF: 230275574784286641512662496321355120640.0/12

Right: -465.535+/-0.000 χ^2/NDF: 450287177156715

Left Out: 76.011+/-0.000 χ^2/NDF:1100326362495713412083666124 8.0/24

In: 453.882+/-0.000 χ^2/NDF:20269547978605247

Right Out: -18.053+/-0.000 χ^2/NDF: 44211382504876243542780007001058443264.0/16

Out: 47.231+/-0.000 χ^2/NDF:49381984156641114

Left In: 998.020+/-0.000 χ^2/NDF:826231736084035689068445378231140352.0/22

All: 239.700+/-0.000 χ^2/NDF: 22917287744