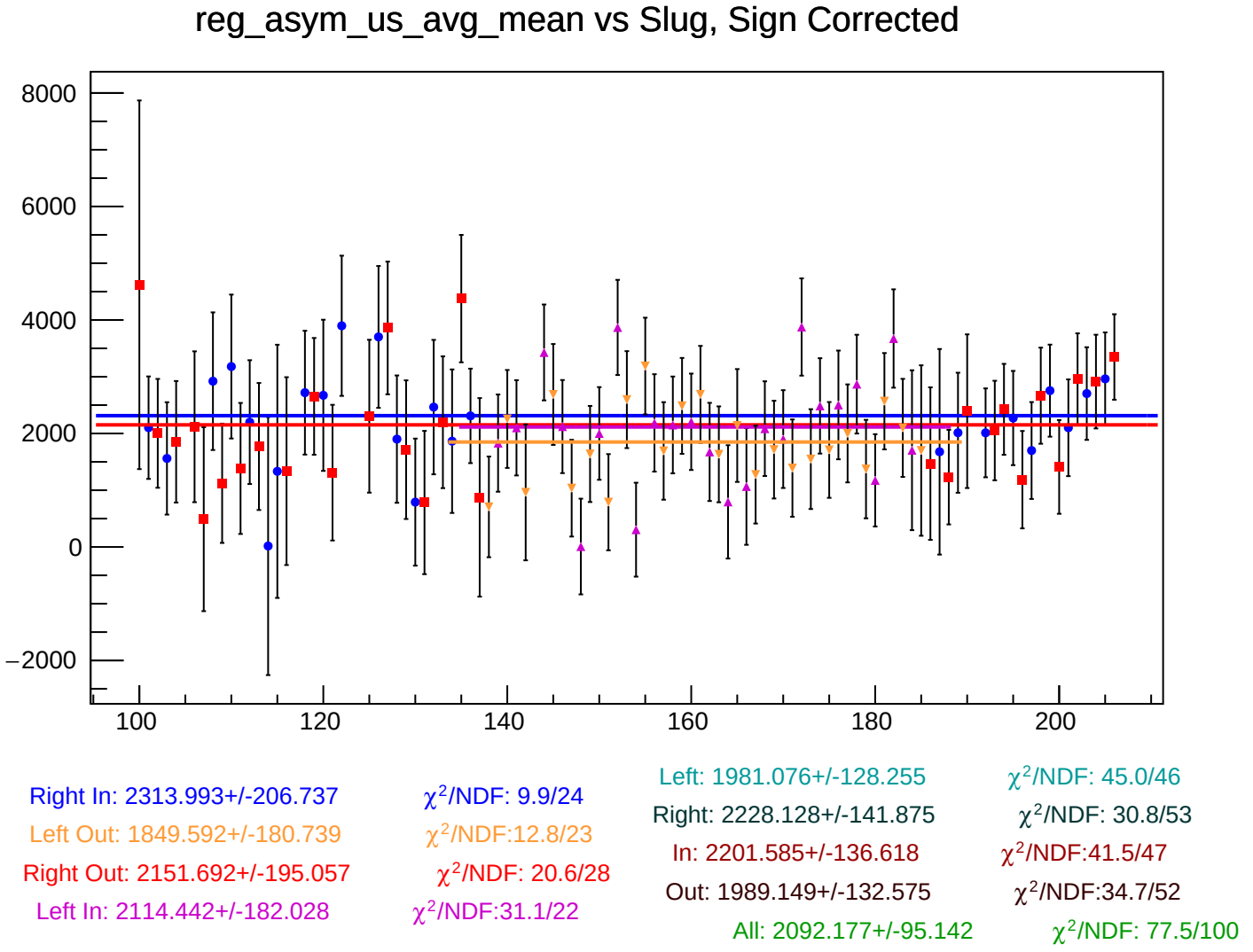
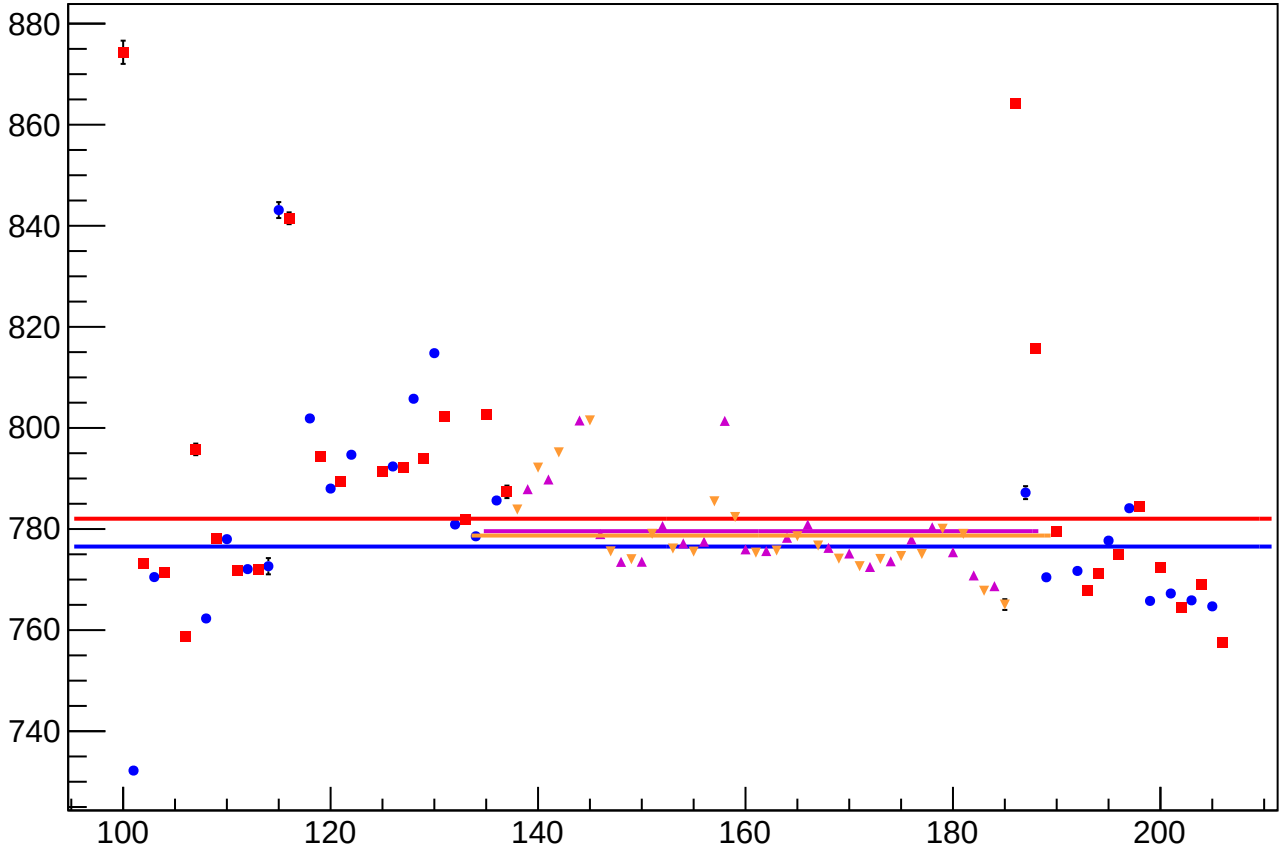

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2313.993+/-206.737
χ²/NDF: 9.9/24
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2151.692+/-195.057
χ²/NDF: 20.6/28
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2228.128+/-141.875
χ²/NDF: 30.8/53
In: 2201.585+/-136.618
χ²/NDF:41.5/47
Out: 1989.149+/-132.575
χ²/NDF:34.7/52
All: 2092.177+/-95.142
χ²/NDF: 77.5/100

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 776.533+/-0.146 χ^2/NDF: 14661.1/24

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

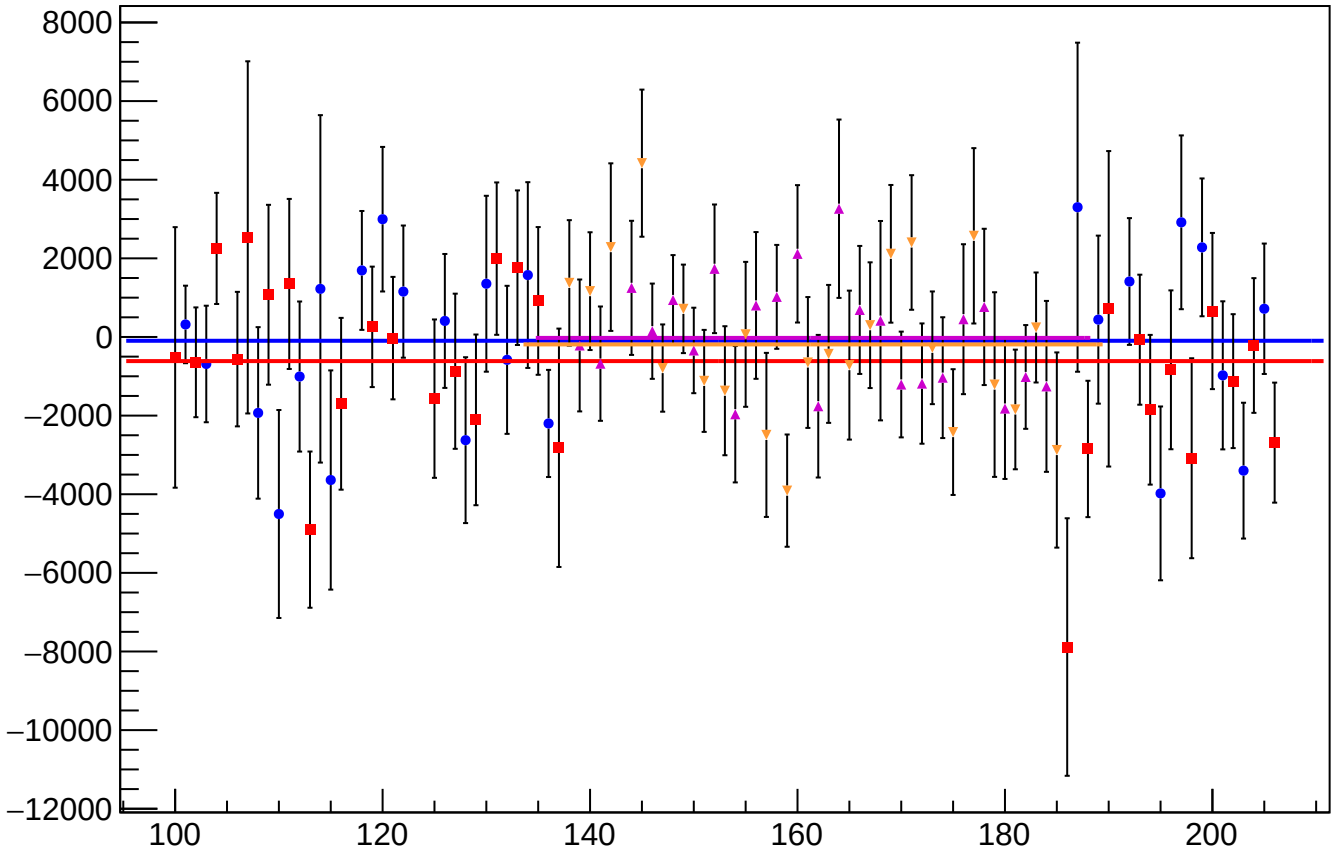
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 779.448+/-0.100 χ^2/NDF: 38719.3/53

In: 778.247+/-0.097 χ^2/NDF:19077.9/47

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

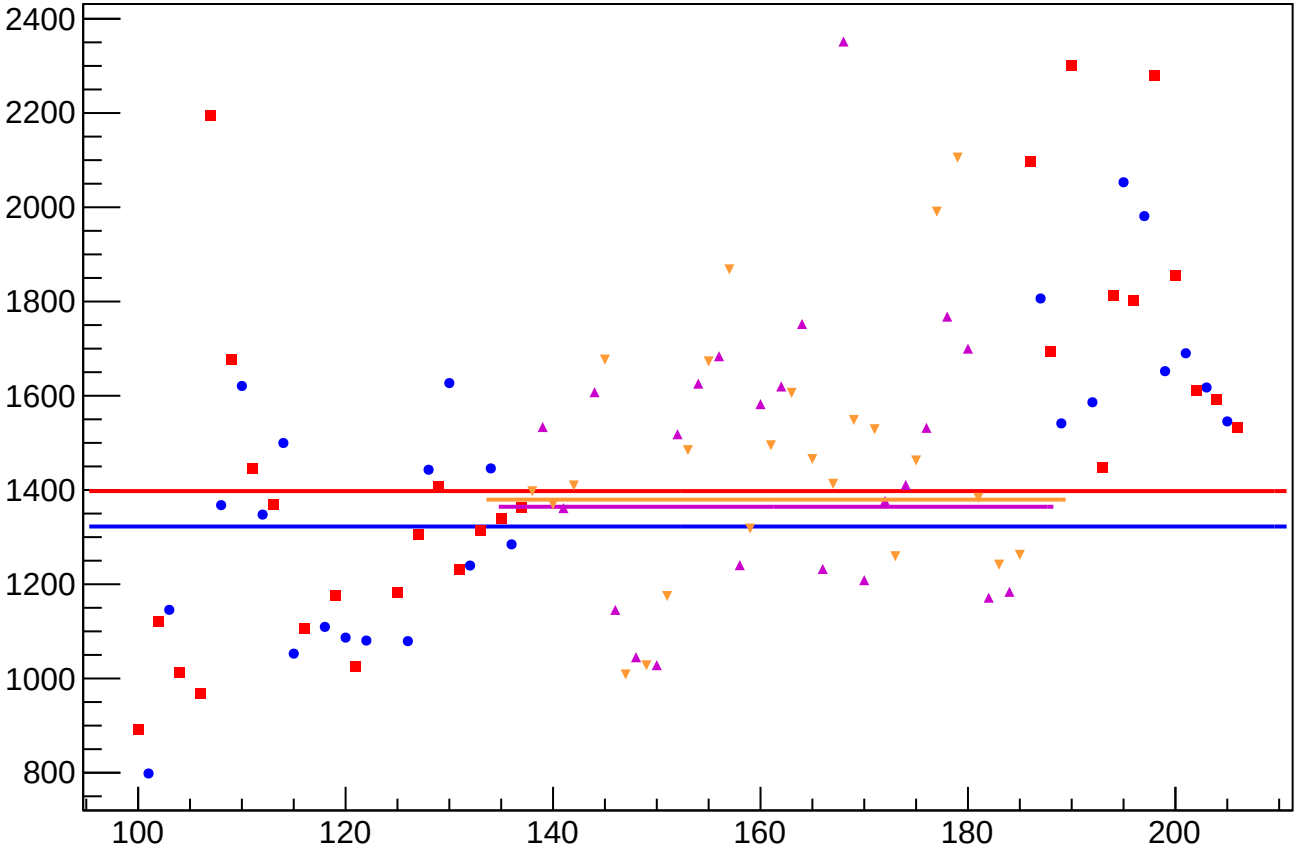
Right: -358.624+/-256.034 χ^2/NDF: 56.0/53

In: -56.112+/-242.936 χ^2/NDF:41.4/47

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -219.330+/-171.527 χ^2/NDF: 99.8/100

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1322.526+/-0.258 χ^2/NDF: 1590160.5/24

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

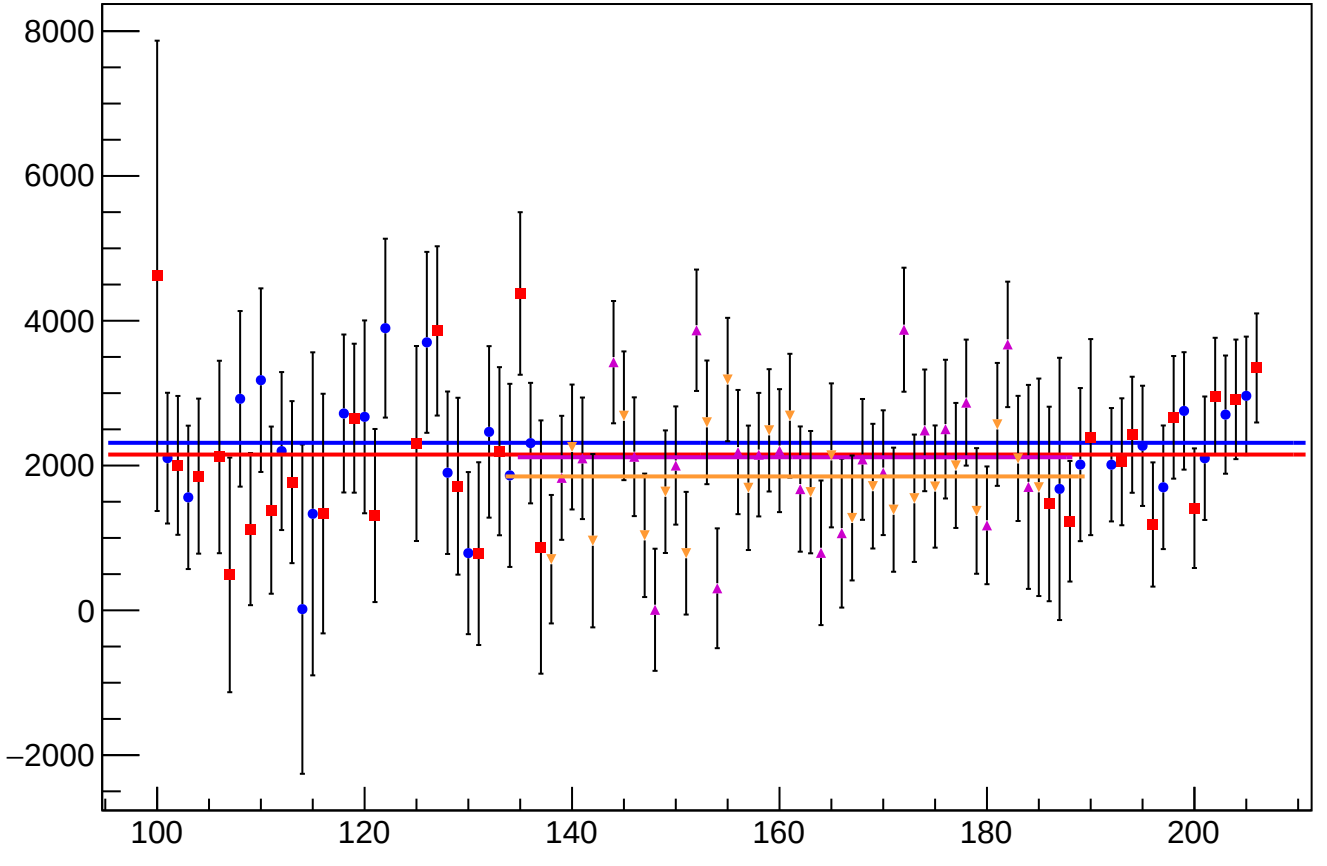
Right: 1360.642+/-0.181 χ^2/NDF: 3214853.4/53

In: 1345.814+/-0.172 χ^2/NDF:2917136.9/47

Out: 1387.790+/-0.171 χ^2/NDF:2742825.6/52

All: 1366.864+/-0.121 χ^2/NDF: 5689906.8/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2313.993+/-206.737 χ^2/NDF: 9.9/24

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: 2151.692+/-195.057 χ^2/NDF: 20.6/28

Left In: 2114.442+/-182.028 χ^2/NDF:31.1/22

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

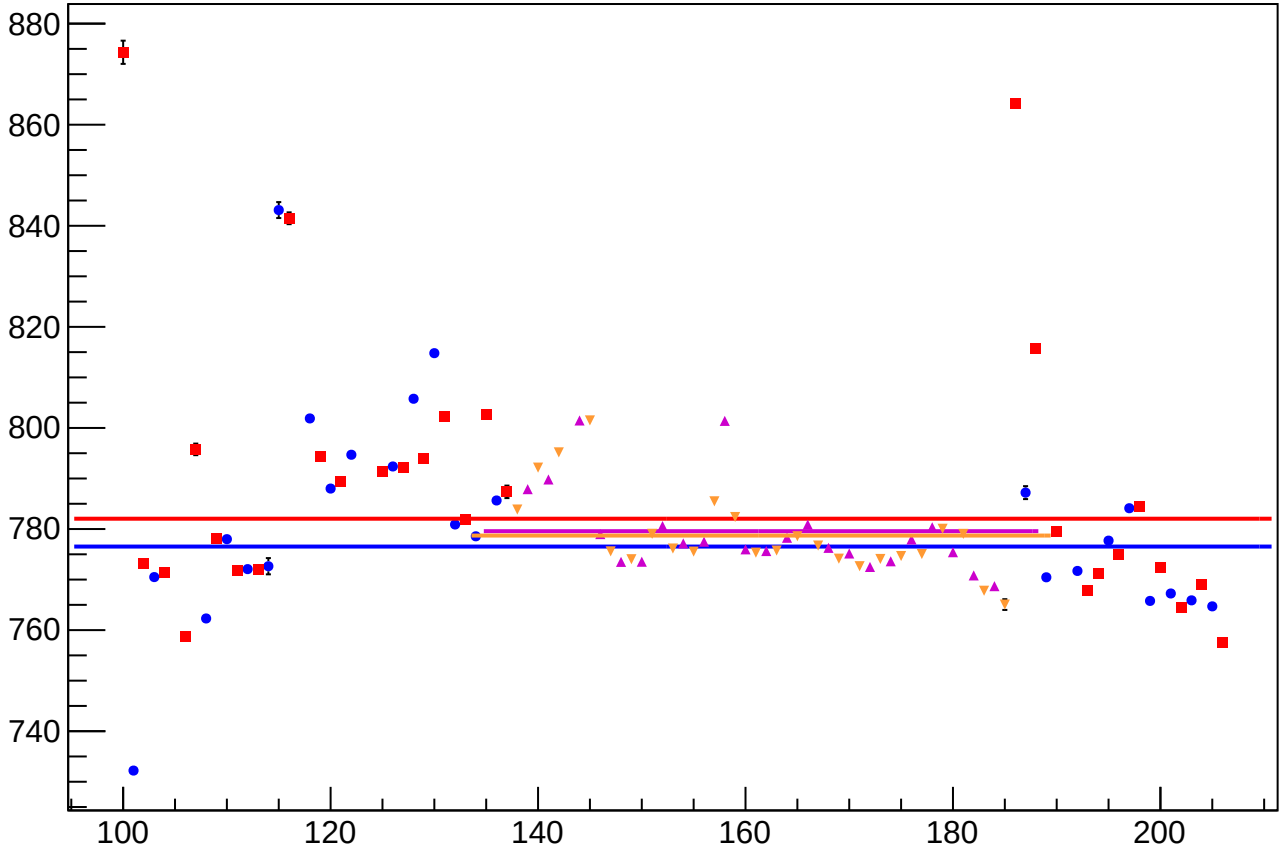
Right: 2228.128+/-141.875 χ^2/NDF: 30.8/53

In: 2201.585+/-136.618 χ^2/NDF:41.5/47

Out: 1989.149+/-132.575 χ^2/NDF:34.7/52

All: 2092.177+/-95.142 χ^2/NDF: 77.5/100

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 776.533+/-0.146 χ^2/NDF: 14661.1/24

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

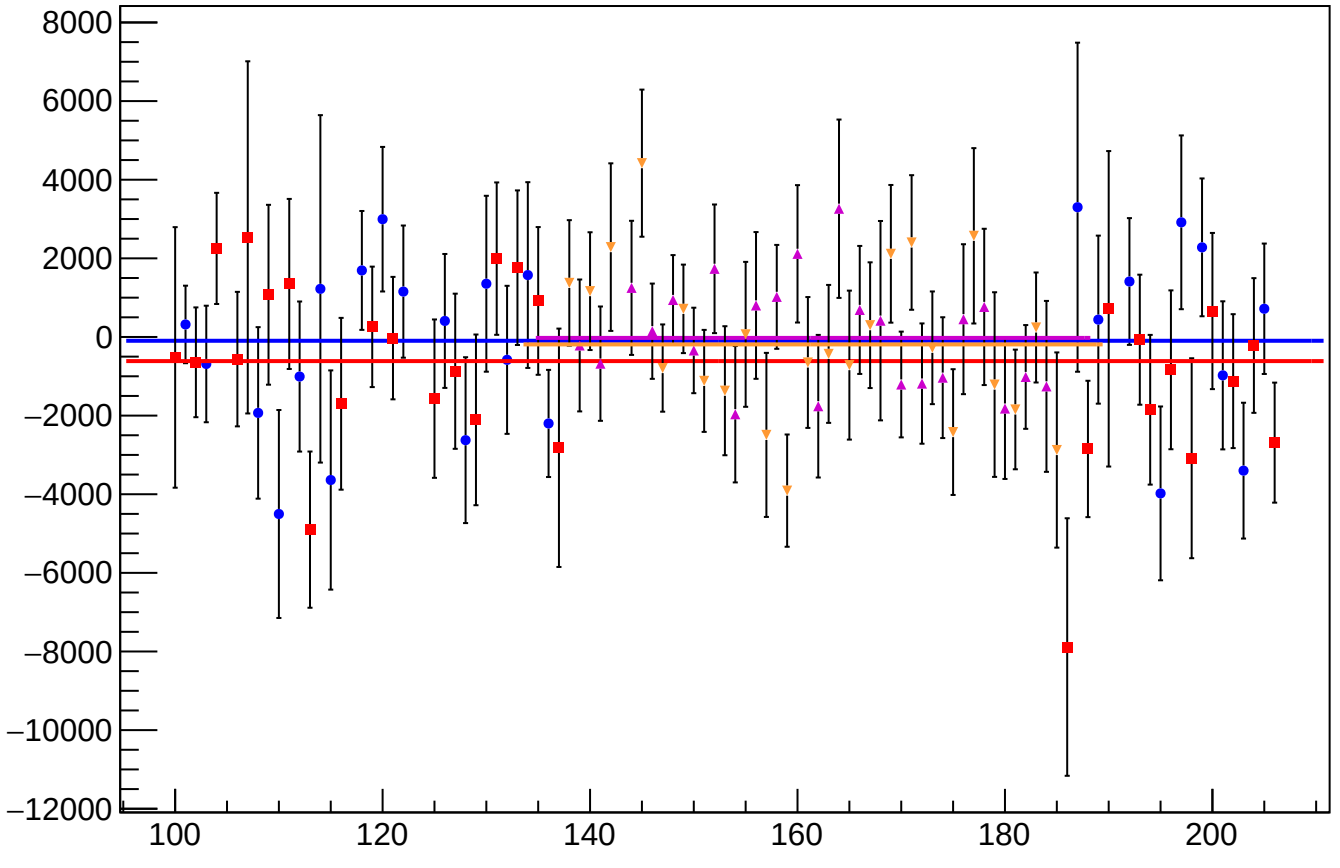
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 779.448+/-0.100 χ^2/NDF: 38719.3/53

In: 778.247+/-0.097 χ^2/NDF:19077.9/47

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

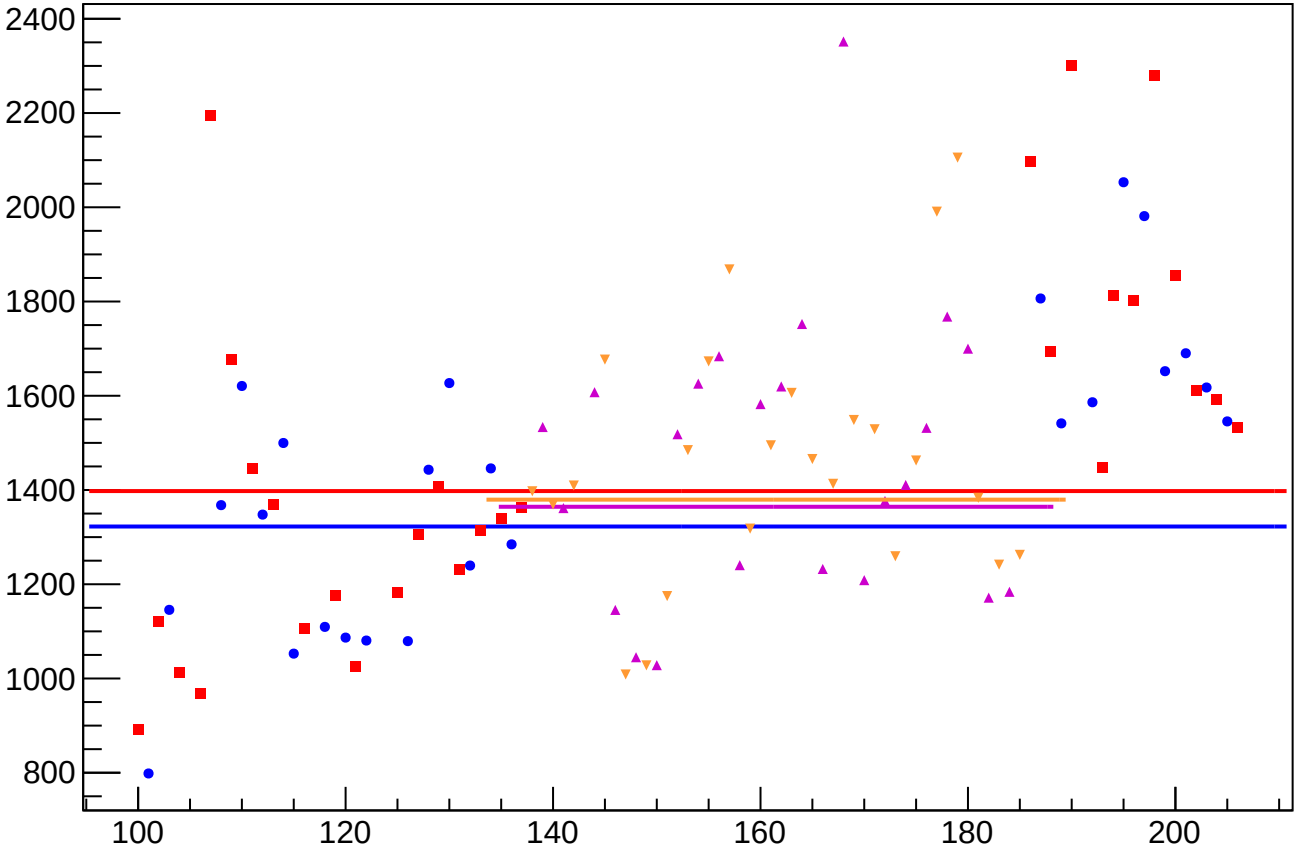
Right: -358.624+/-256.034 χ^2/NDF: 56.0/53

In: -56.112+/-242.936 χ^2/NDF:41.4/47

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -219.330+/-171.527 χ^2/NDF: 99.8/100

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1322.526+/-0.258 χ^2/NDF: 1590160.5/24

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

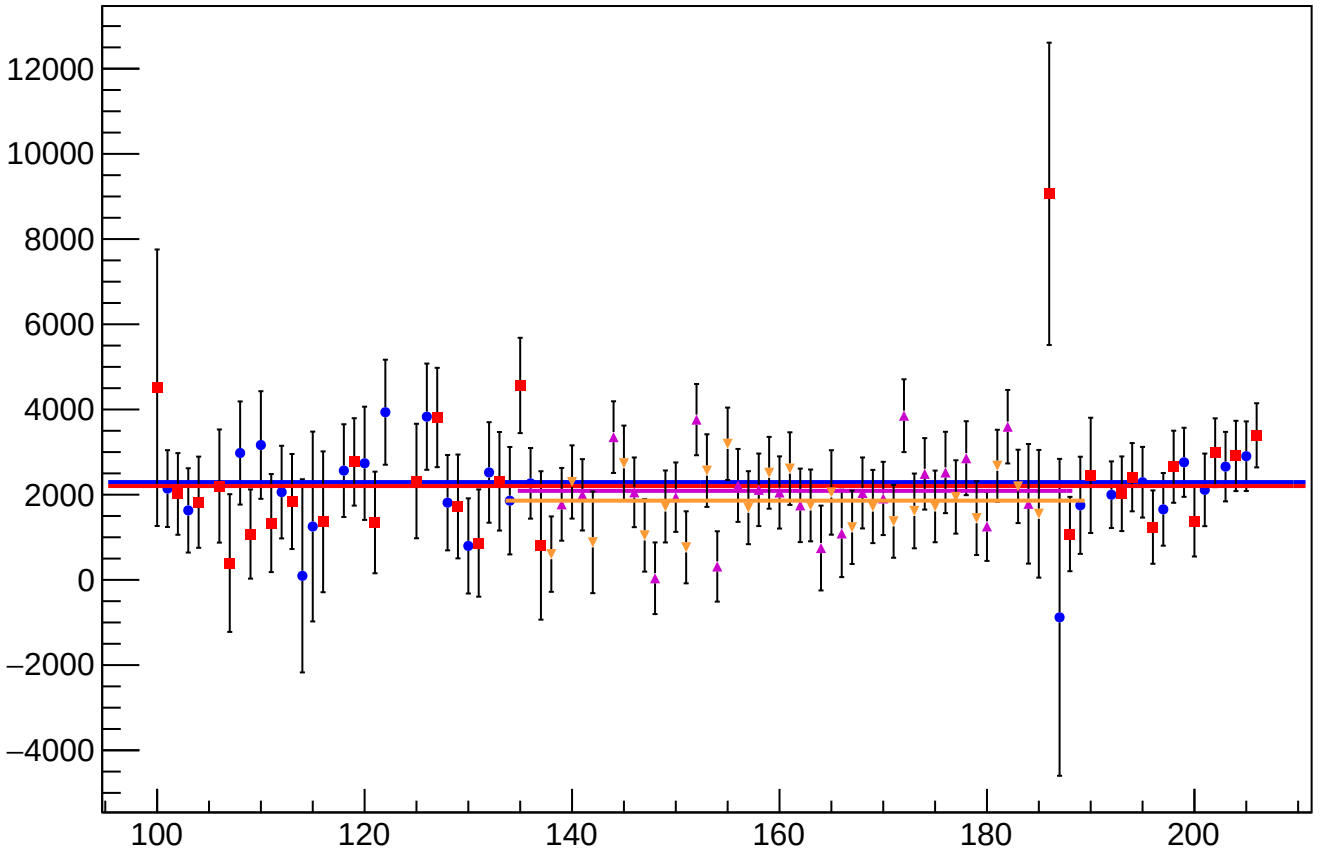
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1360.642+/-0.181 χ^2/NDF: 3214853.4/53

In: 1345.814+/-0.172 χ^2/NDF:2917136.9/47

Out: 1387.790+/-0.171 χ^2/NDF:2742825.6/52

All: 1366.864+/-0.121 χ^2/NDF: 5689906.8/10



Right In: 2295.790+/-207.986 χ^2/NDF: 10.9/24

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: 2202.298+/-197.075 χ^2/NDF: 25.4/28

Left In: 2089.493+/-181.523 χ^2/NDF:29.6/22

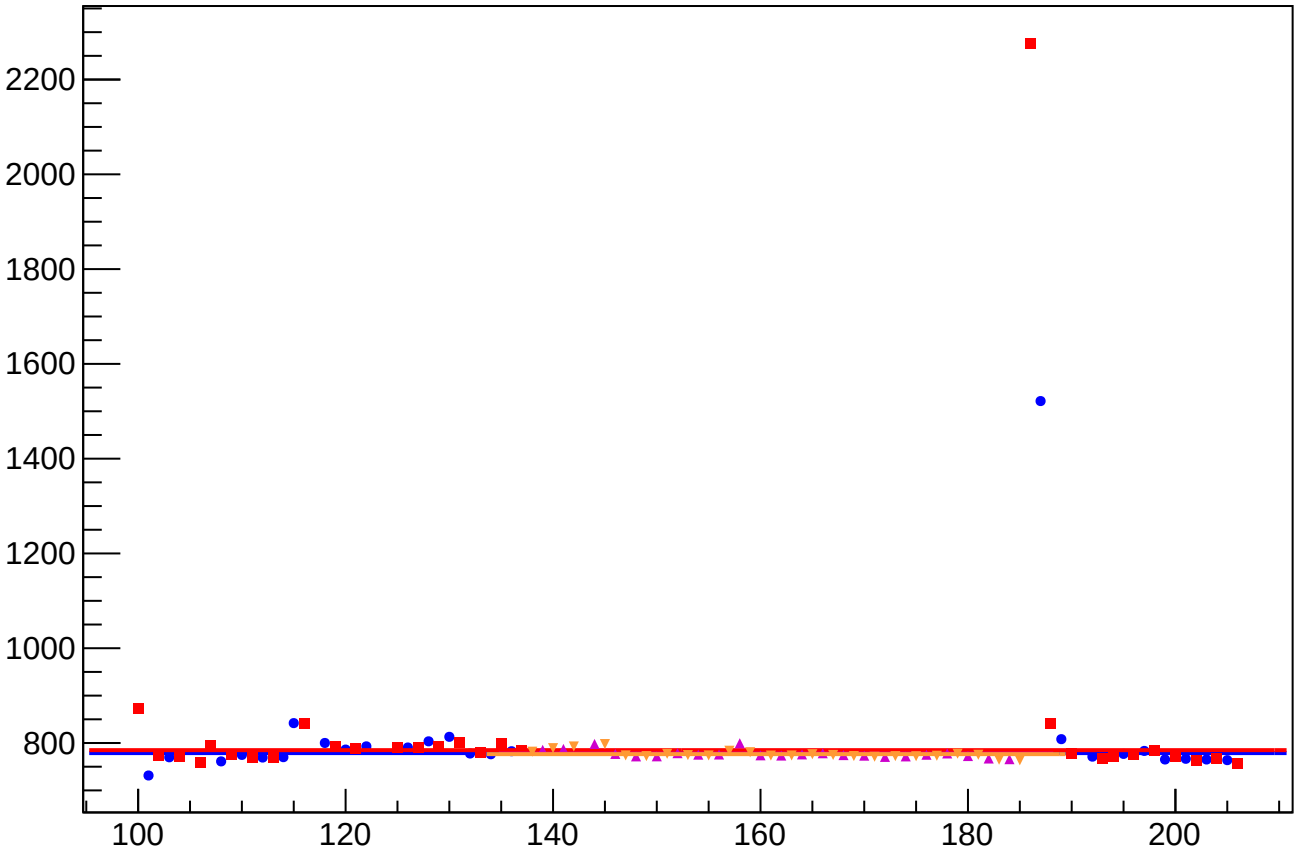
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2246.528+/-143.055 χ^2/NDF: 36.4/53

In: 2178.690+/-136.761 χ^2/NDF:41.0/47

Out: 2015.641+/-132.999 χ^2/NDF:40.6/52

All: 2094.892+/-95.347 χ^2/NDF: 82.3/100



Right In: 778.715+/-0.147 χ^2/NDF: 95587.4/24

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

Right Out: 784.918+/-0.139 χ^2/NDF: 375825.4/28

Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

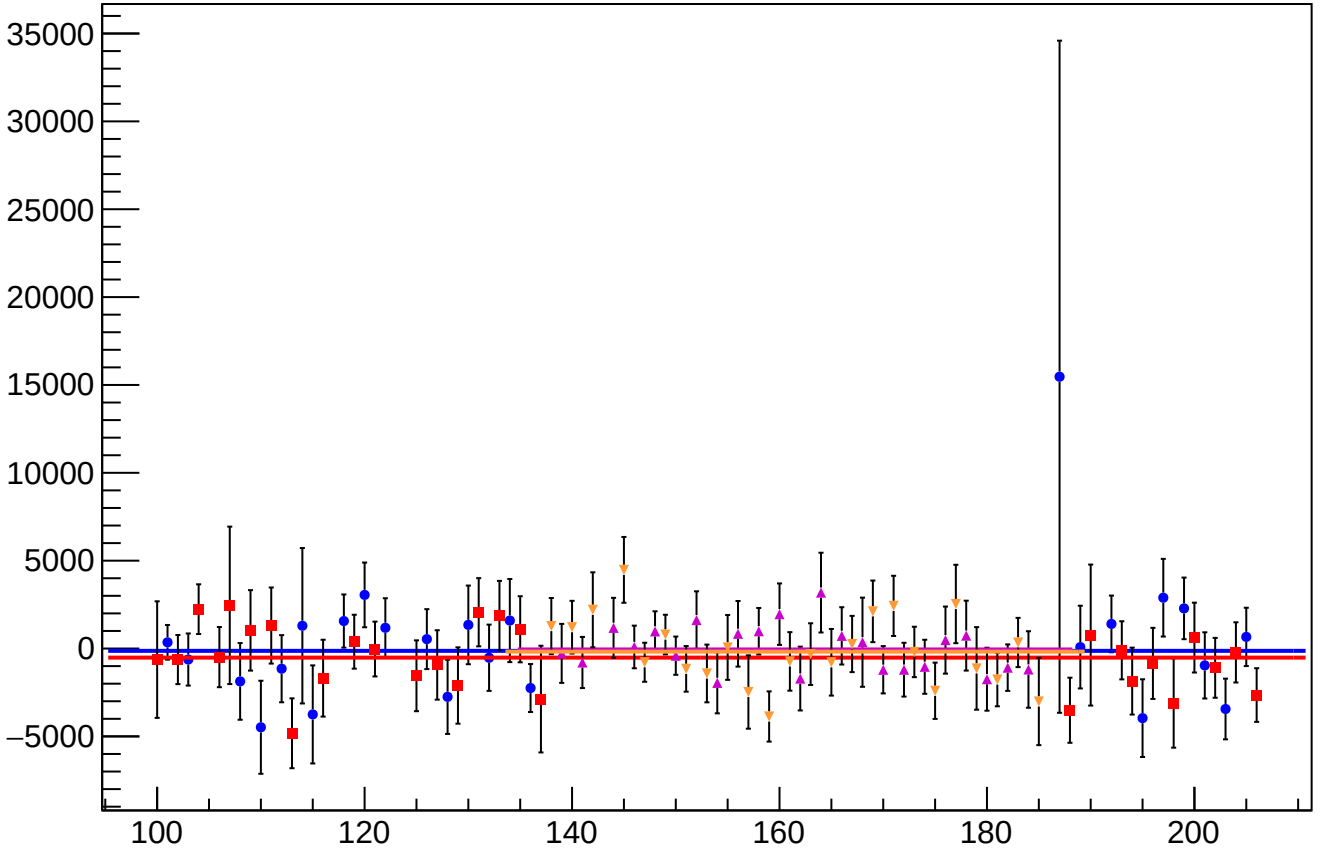
Right: 781.983+/-0.101 χ^2/NDF: 472350.0/53

In: 777.976+/-0.097 χ^2/NDF:99694.1/47

Out: 780.346+/-0.094 χ^2/NDF:380938.8/52

All: 779.194+/-0.067 χ^2/NDF: 480941.6/100

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -131.933+/-367.126 χ^2/NDF: 28.2/24

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

Right Out: -516.855+/-363.048 χ^2/NDF: 23.0/27

Left In: -52.820+/-326.124 χ^2/NDF:13.0/22

Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

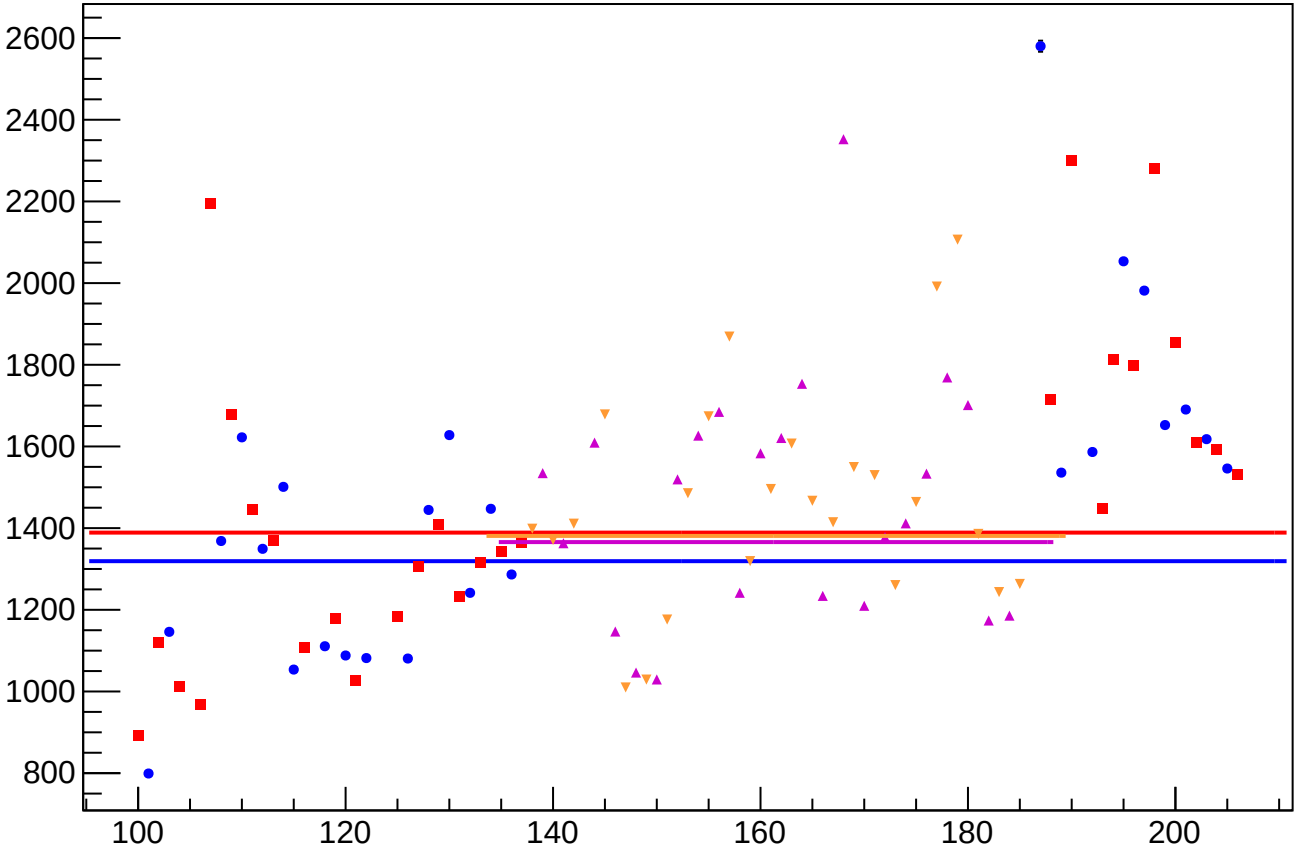
Right: -326.544+/-258.143 χ^2/NDF: 51.7/52

In: -87.714+/-243.817 χ^2/NDF:41.1/47

Out: -328.592+/-243.377 χ^2/NDF:53.1/51

All: -208.371+/-172.249 χ^2/NDF: 94.8/99

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1319.099+/-0.260 χ^2/NDF: 1563483.4/24

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

Right Out: 1389.046+/-0.257 χ^2/NDF: 1482955.6/27

Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

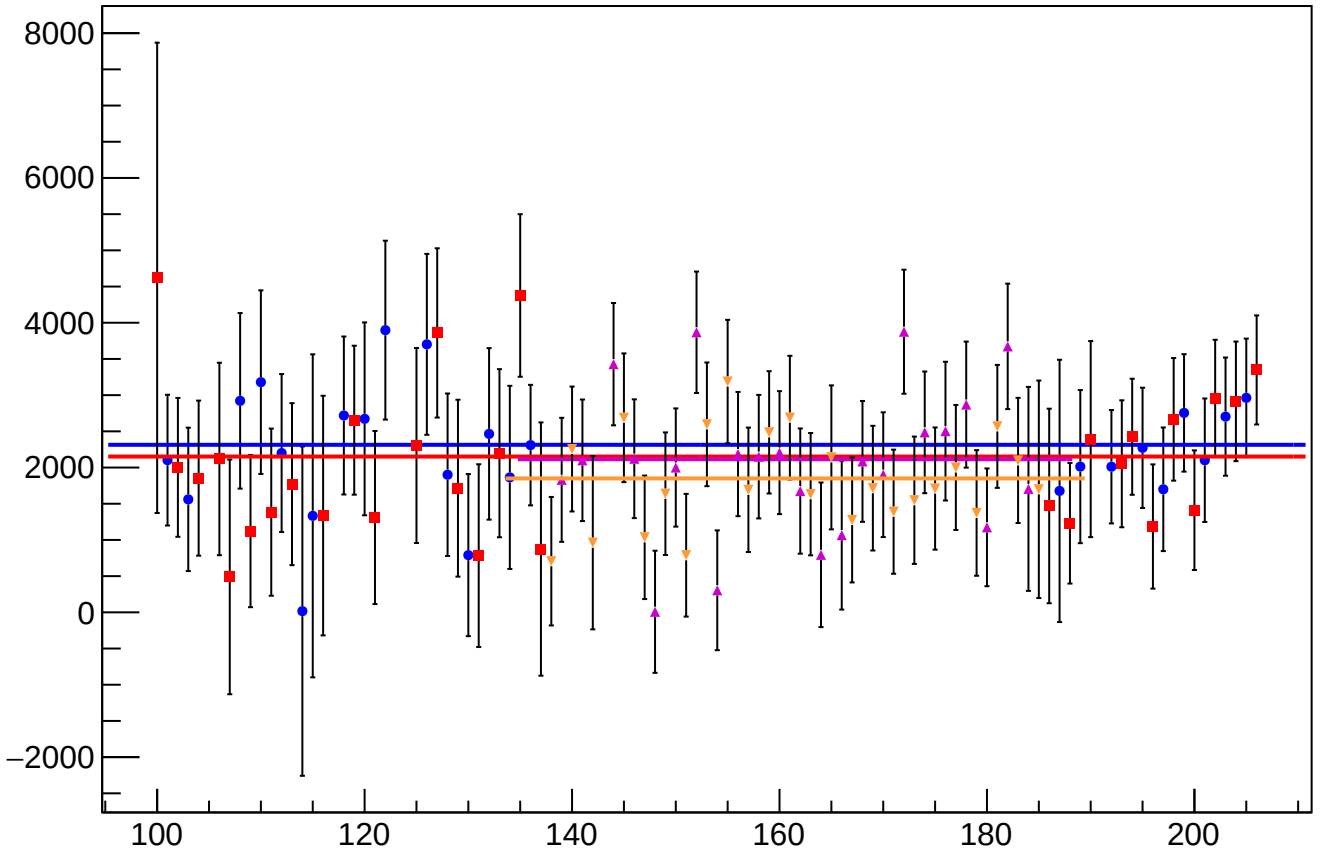
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1354.463+/-0.183 χ^2/NDF: 3083144.8/52

In: 1345.208+/-0.172 χ^2/NDF:2890443.6/47

Out: 1384.590+/-0.172 χ^2/NDF:2638940.6/51

All: 1364.935+/-0.122 χ^2/NDF: 5555520.1/99



Right In: 2313.993+/-206.737 χ^2/NDF: 9.9/24

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: 2151.692+/-195.057 χ^2/NDF: 20.6/28

Left In: 2114.442+/-182.028 χ^2/NDF:31.1/22

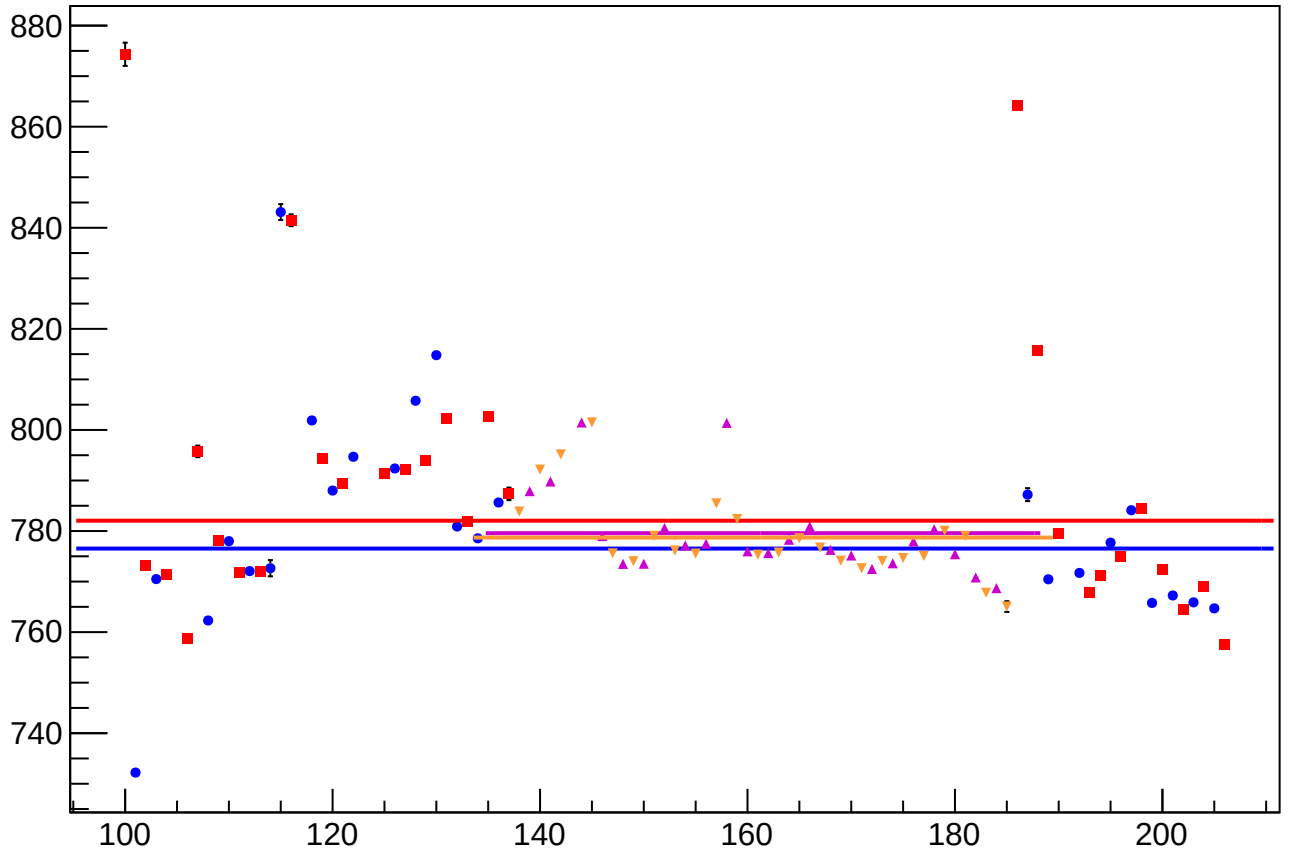
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2228.128+/-141.875 χ^2/NDF: 30.8/53

In: 2201.585+/-136.618 χ^2/NDF:41.5/47

Out: 1989.149+/-132.575 χ^2/NDF:34.7/52

All: 2092.177+/-95.142 χ^2/NDF: 77.5/100



Right In: 776.533+/-0.146 χ^2/NDF: 14661.1/24

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

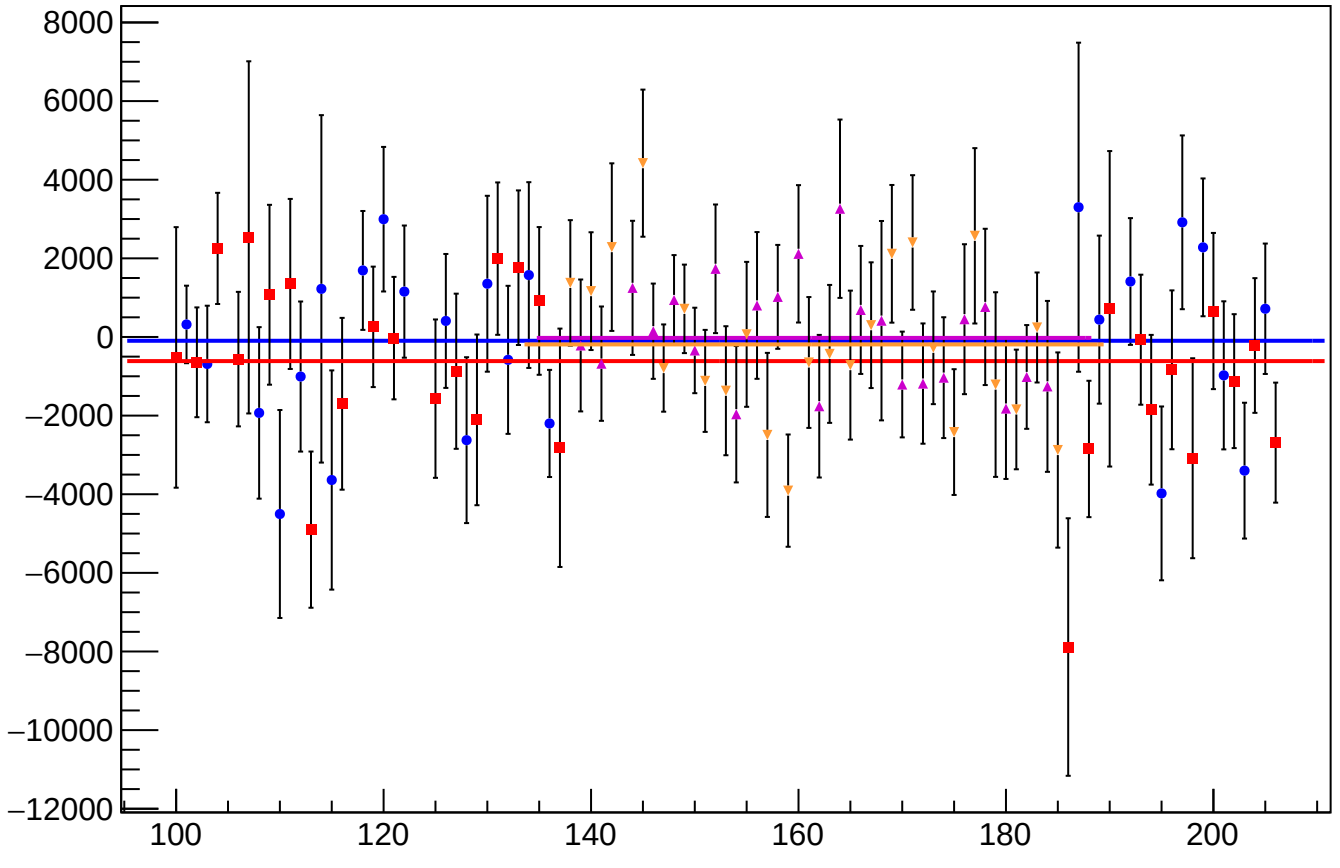
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 779.448+/-0.100 χ^2/NDF: 38719.3/53

In: 778.247+/-0.097 χ^2/NDF:19077.9/47

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

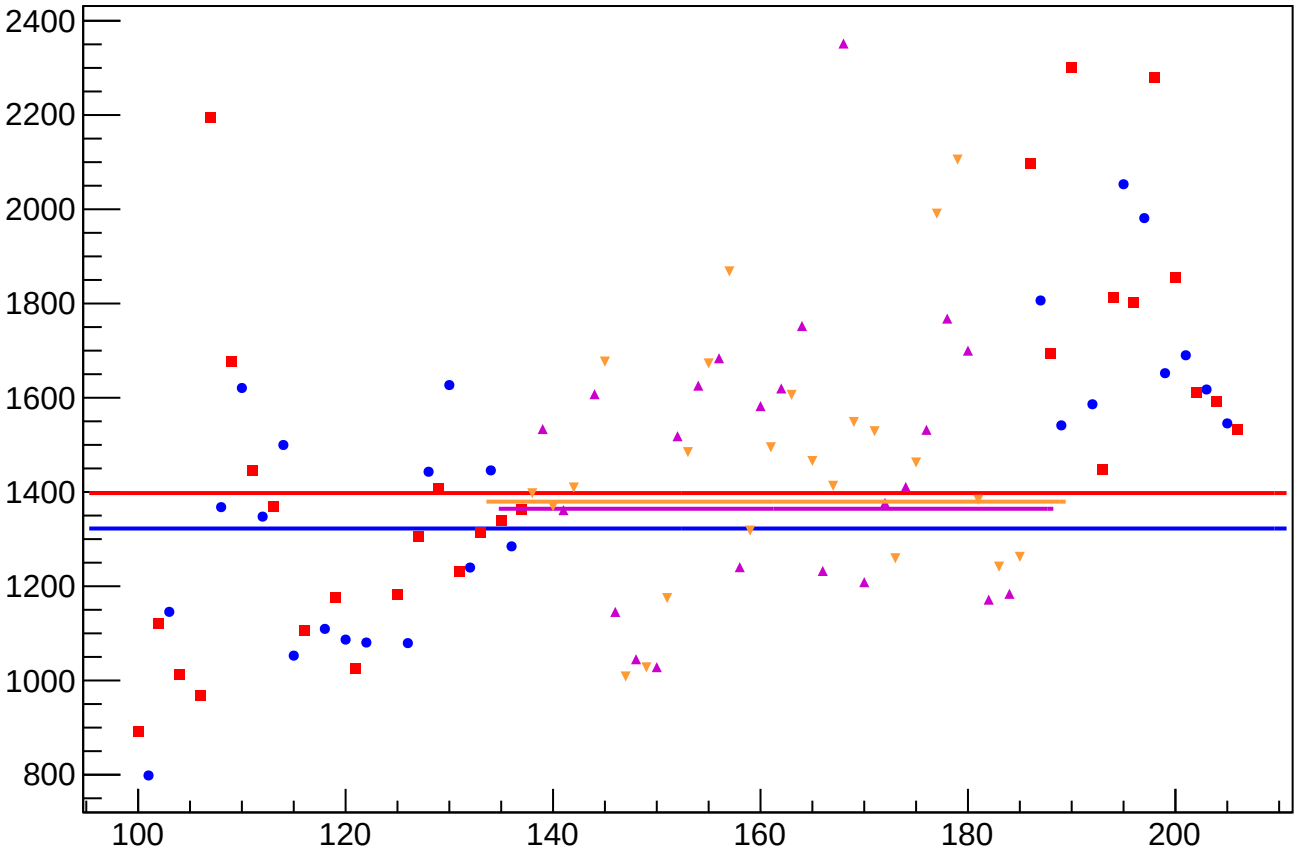
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -358.624+/-256.034 χ^2/NDF: 56.0/53

In: -56.112+/-242.936 χ^2/NDF:41.4/47

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -219.330+/-171.527 χ^2/NDF: 99.8/100


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
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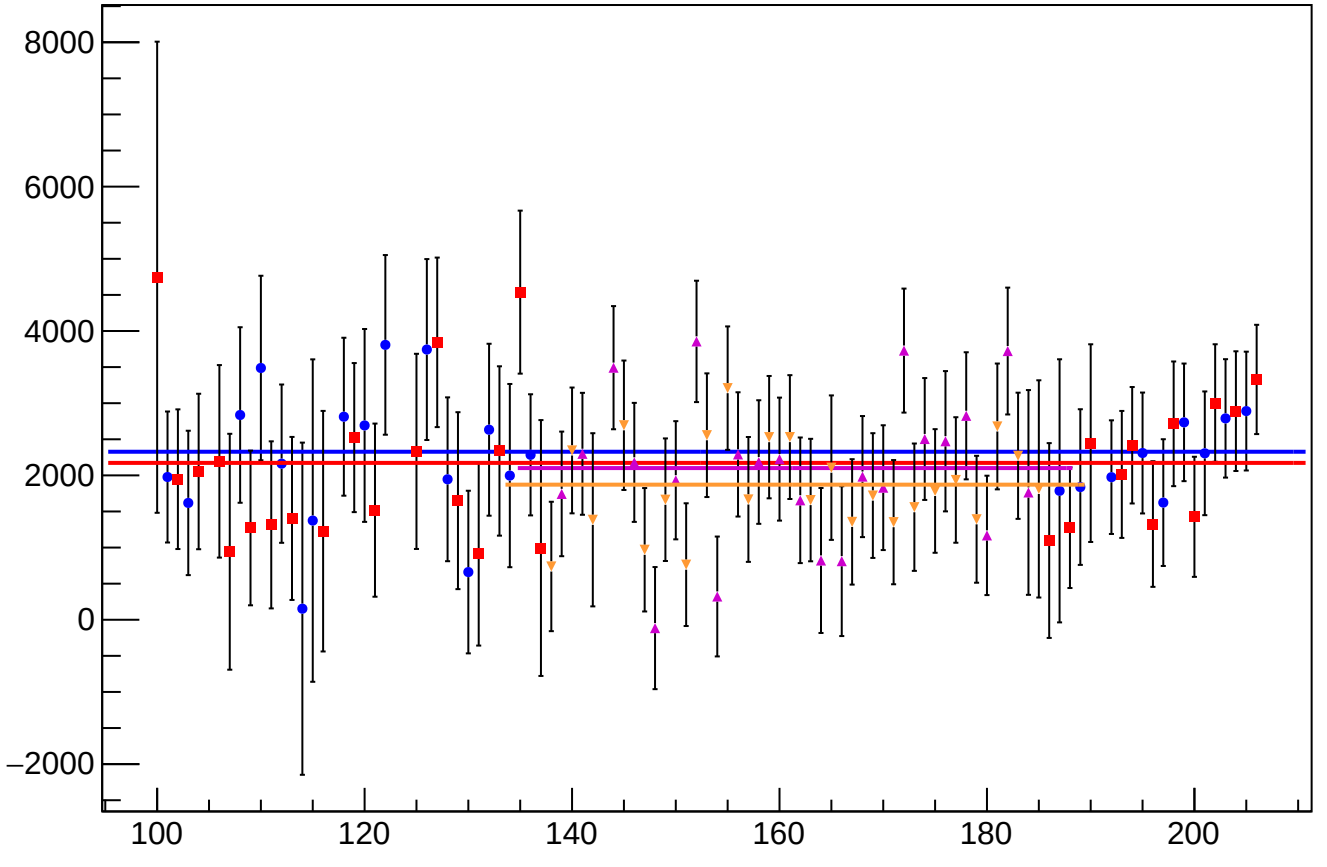
140
160
180
200
Right In: 1322.526+/-0.258 χ²/NDF: 1590160.5/24
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1397.734+/-0.254 χ²/NDF: 1581559.1/28
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1360.642+/-0.181 χ²/NDF: 3214853.4/53
In: 1345.814+/-0.172 χ²/NDF:2917136.9/47
Out: 1387.790+/-0.171 χ²/NDF:2742825.6/52
All: 1366.864+/-0.121 χ²/NDF: 5689906.8/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2327.444+/-208.312 χ^2/NDF: 10.3/24

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: 2172.985+/-196.472 χ^2/NDF: 20.0/28

Left In: 2101.047+/-183.179 χ^2/NDF:31.8/22

Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

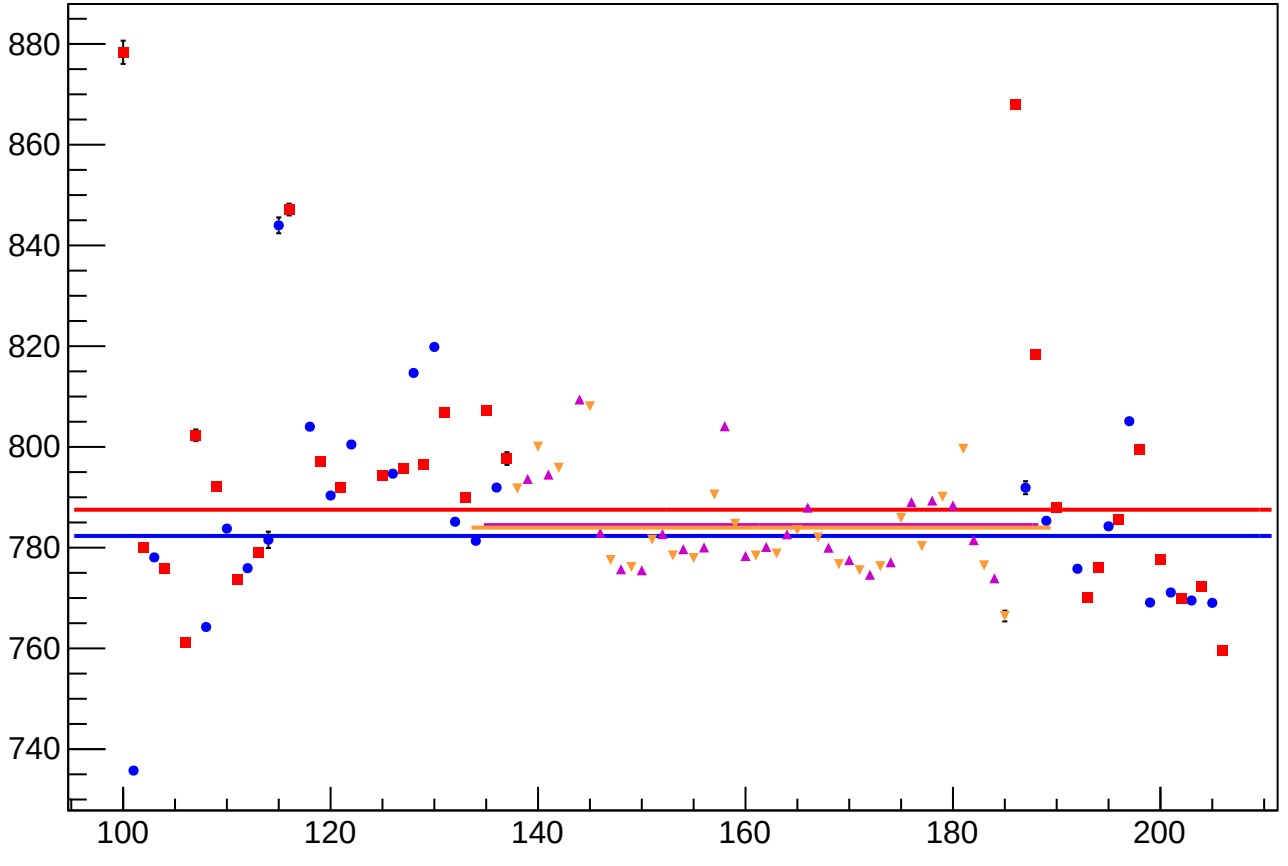
Right: 2245.700+/-142.929 χ^2/NDF: 30.6/53

In: 2199.771+/-137.560 χ^2/NDF:42.7/47

Out: 2010.688+/-133.508 χ^2/NDF:33.7/52

All: 2102.404+/-95.805 χ^2/NDF: 77.5/100

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 782.326+/-0.147 χ^2/NDF: 16388.1/24

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 787.533+/-0.139 χ^2/NDF: 23483.4/28

Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

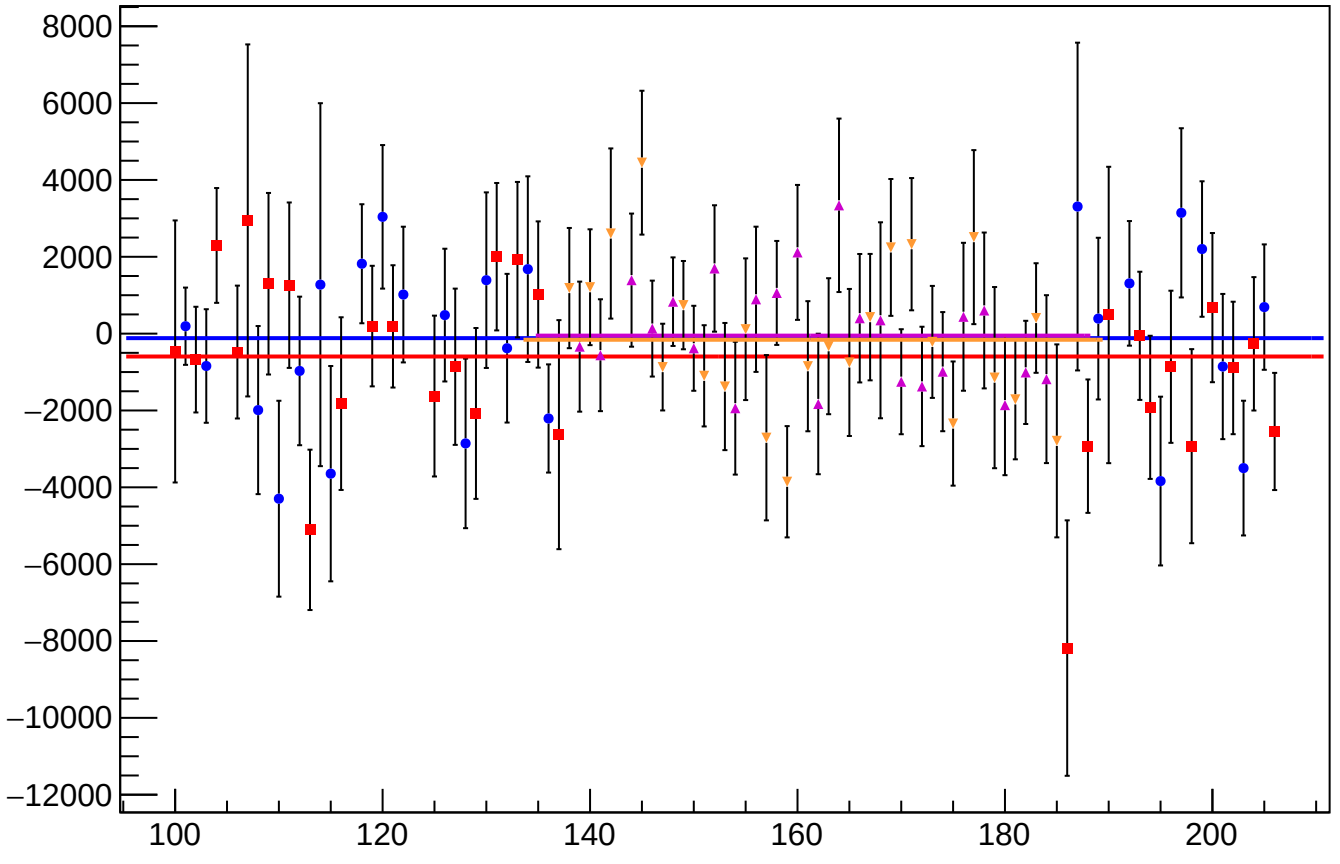
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 785.081+/-0.101 χ^2/NDF: 40532.9/53

In: 783.536+/-0.097 χ^2/NDF:21435.7/47

Out: 785.621+/-0.094 χ^2/NDF:28763.1/52

All: 784.610+/-0.068 χ^2/NDF: 50435.4/100



Right In: -117.329+/-369.469 χ^2/NDF: 27.7/24

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: -595.415+/-363.743 χ^2/NDF: 27.2/28

Left In: -51.975+/-330.206 χ^2/NDF:13.4/22

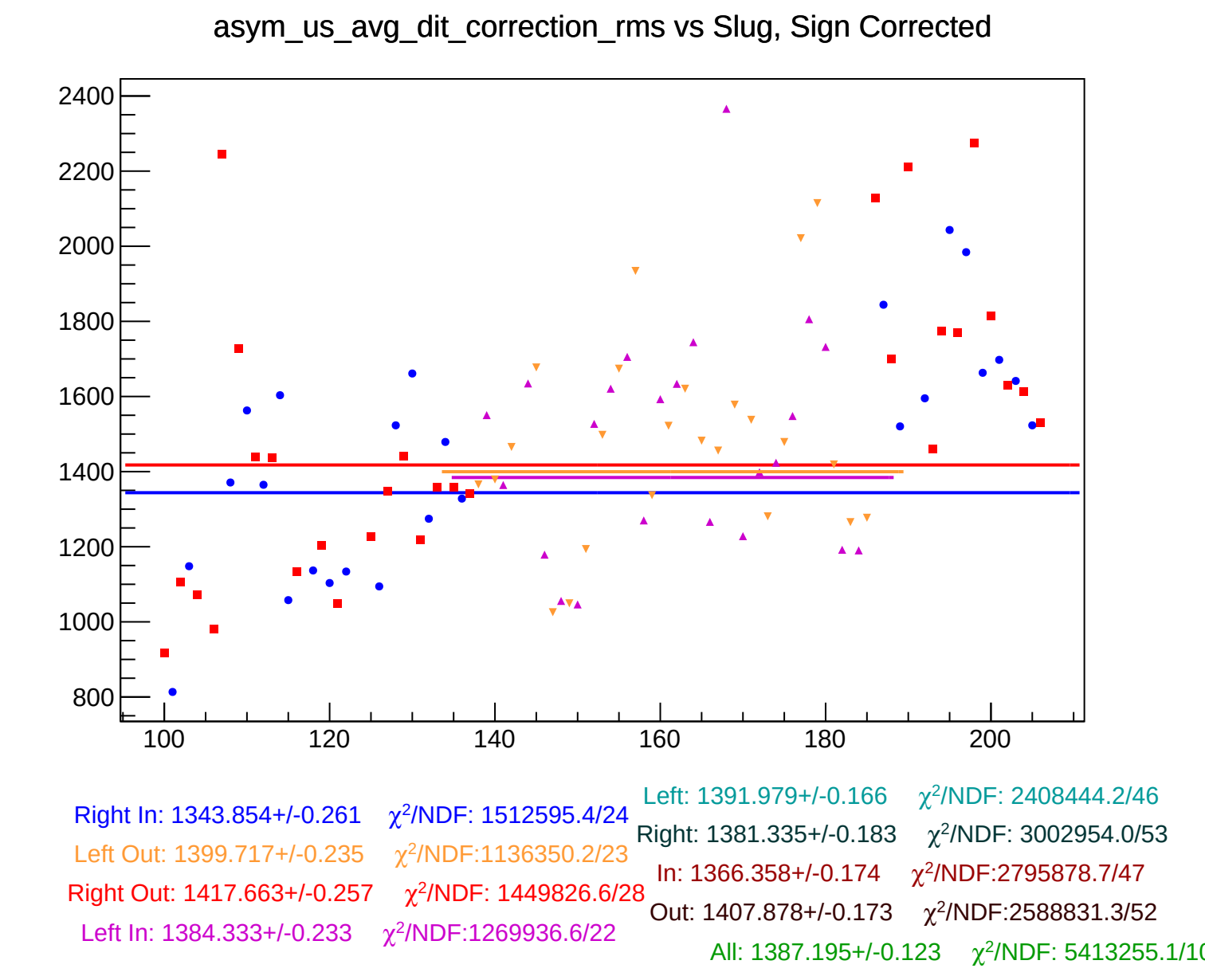
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -360.105+/-259.206 χ^2/NDF: 55.8/53

In: -80.996+/-246.206 χ^2/NDF:41.1/47

Out: -357.611+/-245.292 χ^2/NDF:57.1/52

All: -219.818+/-173.770 χ^2/NDF: 98.9/100


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
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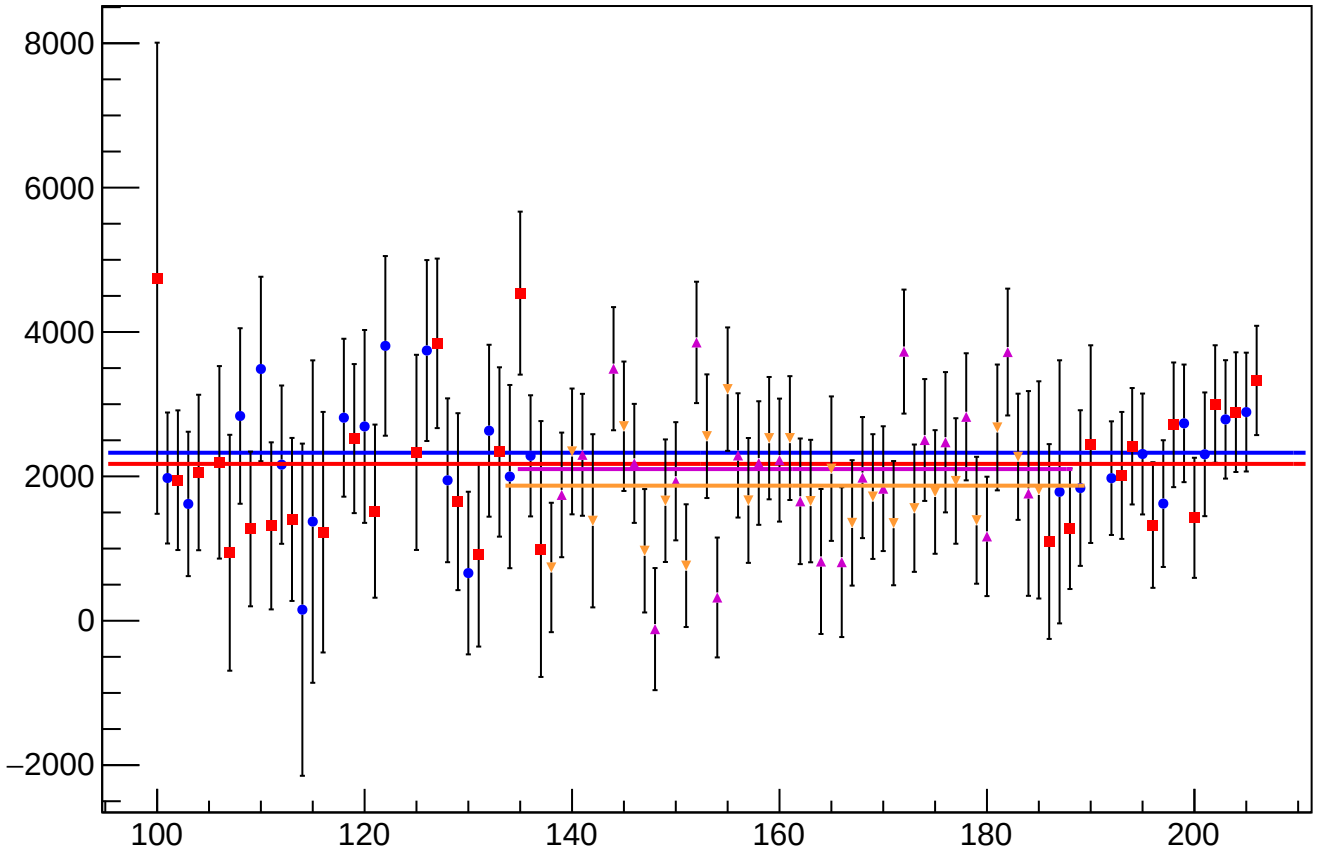
120
140
160
180
200
Right In: 1343.854+/-0.261 χ²/NDF: 1512595.4/24
Left Out: 1399.717+/-0.235 χ²/NDF:1136350.2/23
Right Out: 1417.663+/-0.257 χ²/NDF: 1449826.6/28
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1381.335+/-0.183 χ²/NDF: 3002954.0/53
In: 1366.358+/-0.174 χ²/NDF:2795878.7/47
Out: 1407.878+/-0.173 χ²/NDF:2588831.3/52
All: 1387.195+/-0.123 χ²/NDF: 5413255.1/10



Right In: 2327.444+/-208.312 χ^2/NDF: 10.3/24

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: 2172.982+/-196.472 χ^2/NDF: 20.0/28

Left In: 2101.047+/-183.179 χ^2/NDF:31.8/22

Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

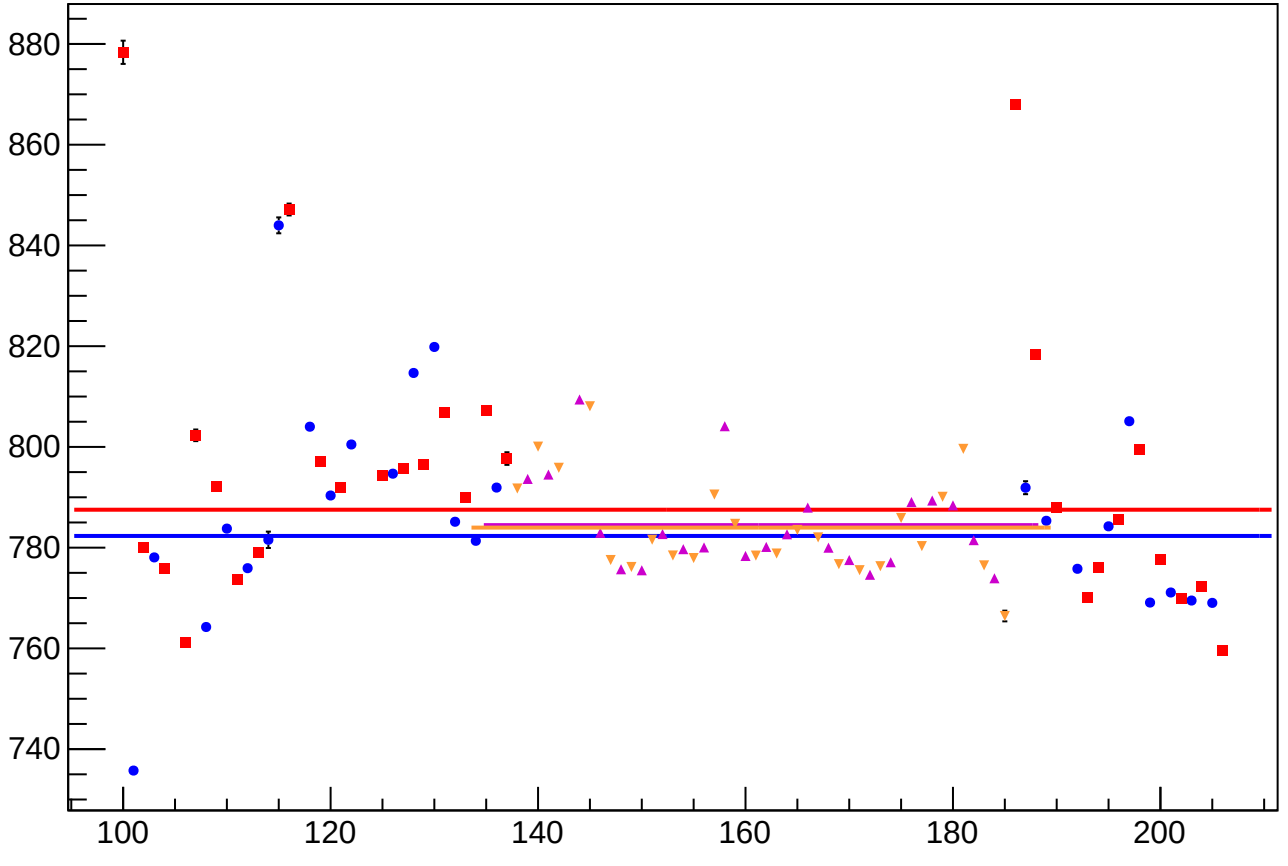
Right: 2245.699+/-142.929 χ^2/NDF: 30.6/53

In: 2199.771+/-137.560 χ^2/NDF:42.7/47

Out: 2010.686+/-133.508 χ^2/NDF:33.7/52

All: 2102.403+/-95.805 χ^2/NDF: 77.5/100

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 782.325+/-0.147 χ^2/NDF: 16388.1/24

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 787.533+/-0.139 χ^2/NDF: 23483.4/28

Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

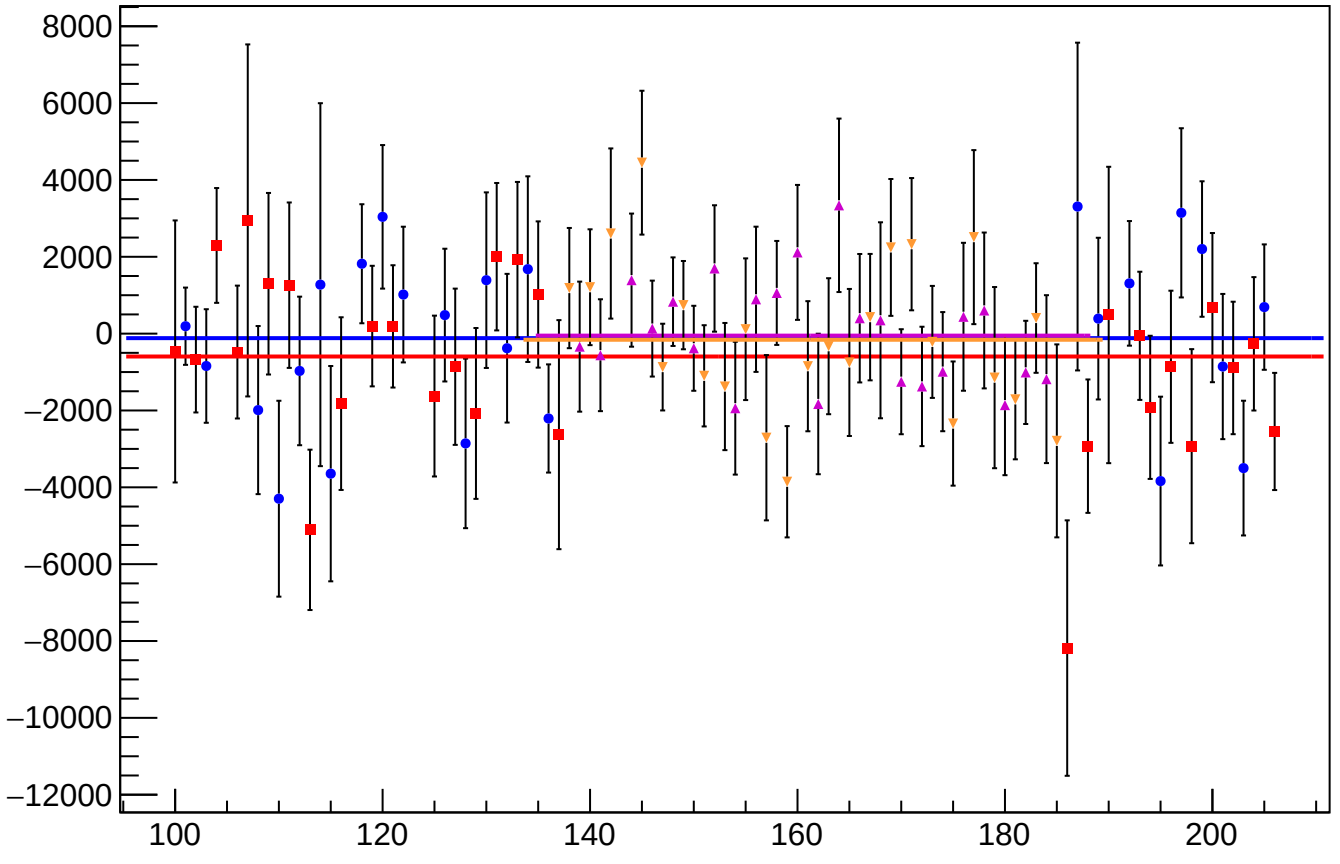
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 785.081+/-0.101 χ^2/NDF: 40532.8/53

In: 783.536+/-0.097 χ^2/NDF:21435.6/47

Out: 785.621+/-0.094 χ^2/NDF:28763.0/52

All: 784.610+/-0.068 χ^2/NDF: 50435.3/100



Right In: -117.328+/-369.468 χ^2/NDF: 27.7/24

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: -595.412+/-363.743 χ^2/NDF: 27.2/28

Left In: -51.975+/-330.207 χ^2/NDF:13.4/22

Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

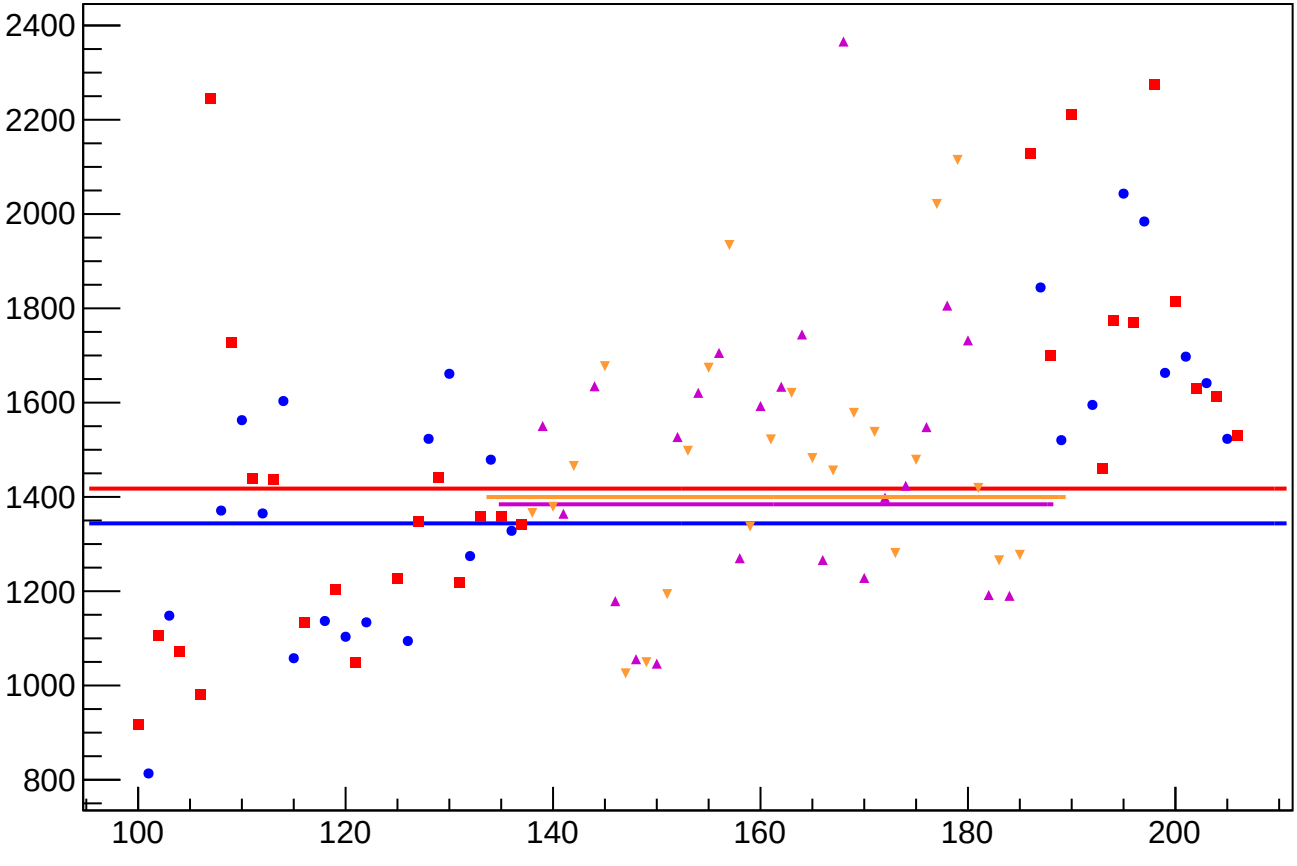
Right: -360.103+/-259.206 χ^2/NDF: 55.8/53

In: -80.996+/-246.206 χ^2/NDF:41.1/47

Out: -357.612+/-245.292 χ^2/NDF:57.1/52

All: -219.818+/-173.770 χ^2/NDF: 98.9/100

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1343.852+/-0.261 χ^2/NDF: 1512611.0/24

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

Right Out: 1417.661+/-0.257 χ^2/NDF: 1449845.2/28

Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

Left: 1391.982+/-0.166 χ^2/NDF: 2408445.8/46

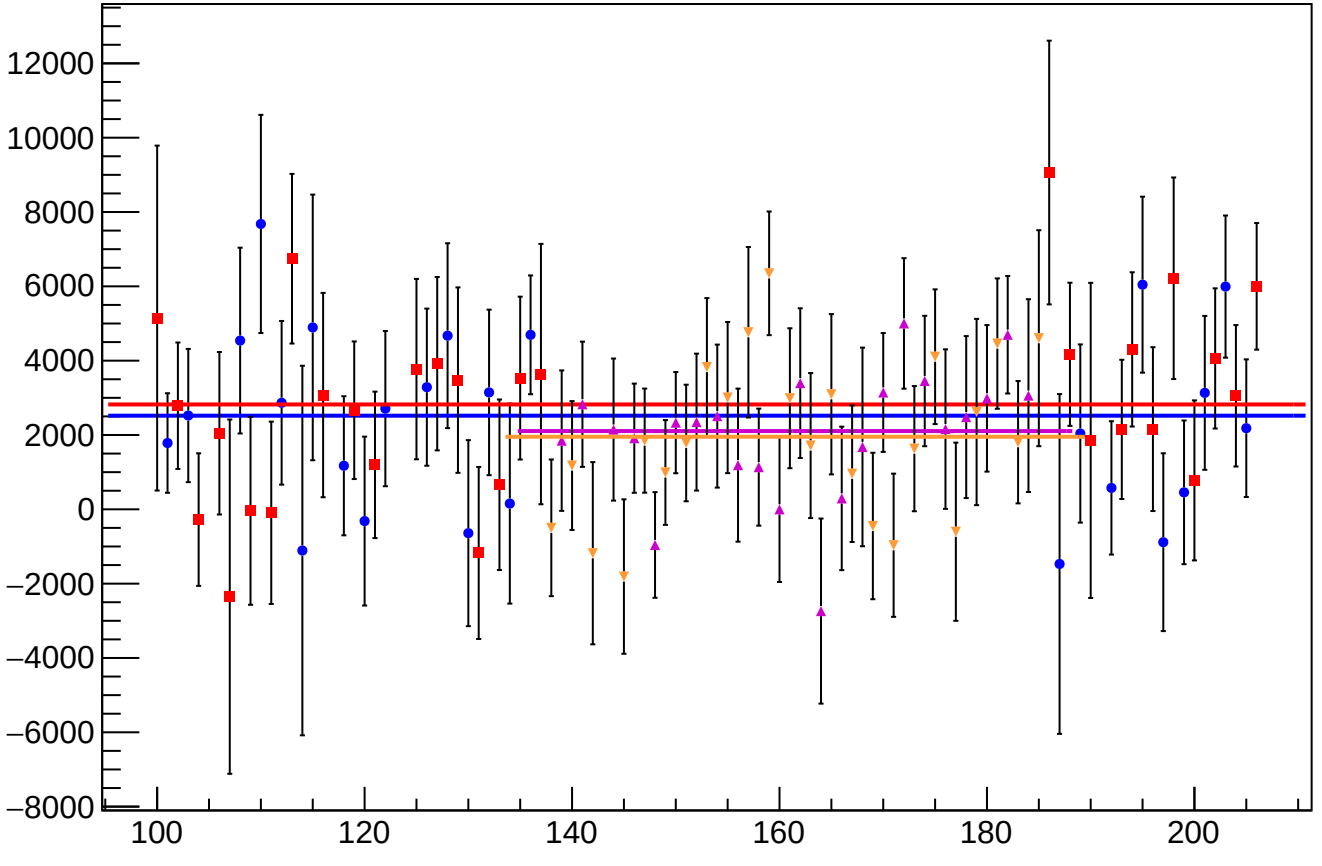
Right: 1381.333+/-0.183 χ^2/NDF: 3002988.1/53

In: 1366.359+/-0.174 χ^2/NDF:2795897.9/47

Out: 1407.879+/-0.173 χ^2/NDF:2588849.6/52

All: 1387.196+/-0.123 χ^2/NDF: 5413292.5/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2519.351+/-430.099 χ^2/NDF: 23.1/24

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: 2821.570+/-418.229 χ^2/NDF: 26.1/28

Left In: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 2029.156+/-268.459 χ^2/NDF: 46.0/46

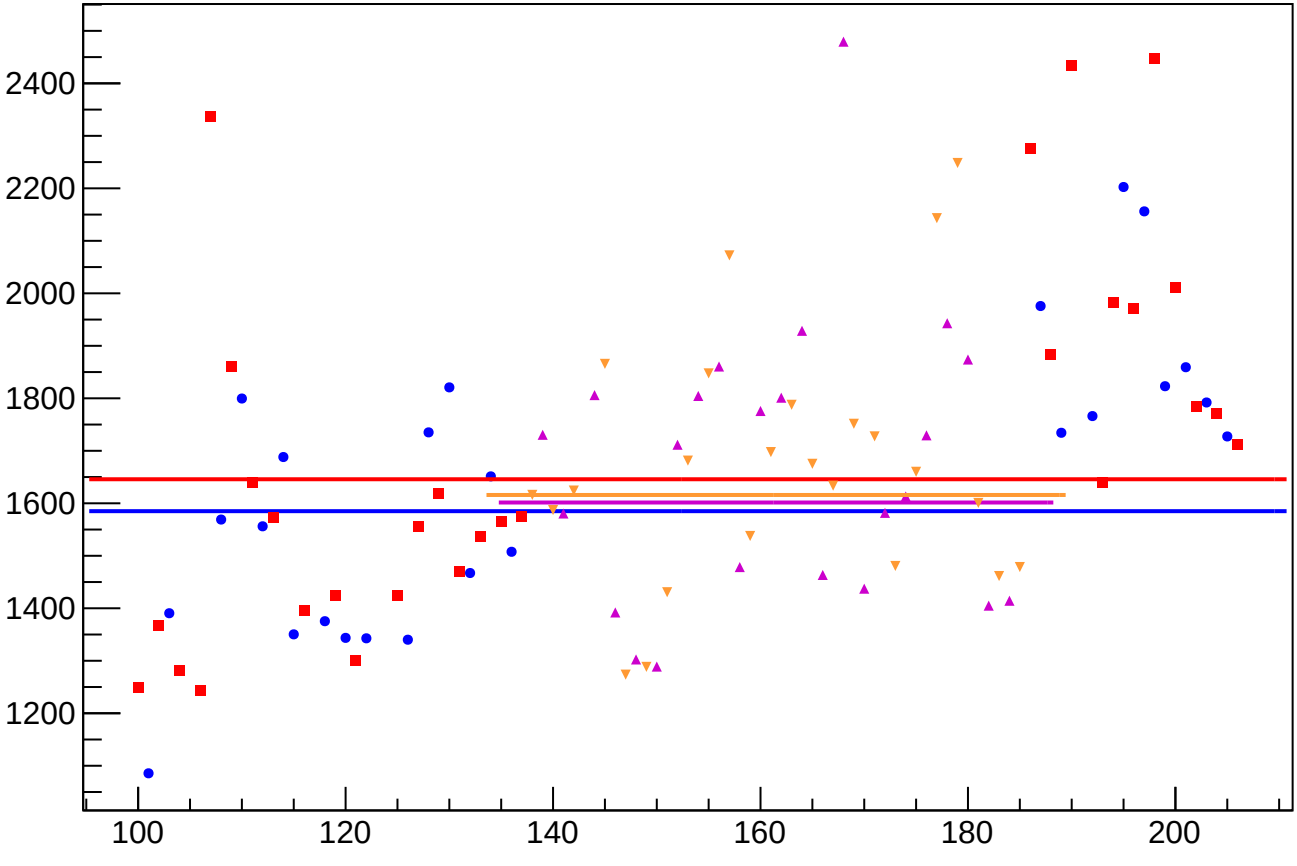
Right: 2674.689+/-299.841 χ^2/NDF: 49.5/53

In: 2286.372+/-284.374 χ^2/NDF:42.2/47

Out: 2345.762+/-281.356 χ^2/NDF:55.9/52

All: 2316.384+/-200.007 χ^2/NDF: 98.1/100

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1585.003+/-0.304 χ^2/NDF: 853542.2/24

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

Right Out: 1645.799+/-0.296 χ^2/NDF: 935970.0/28

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

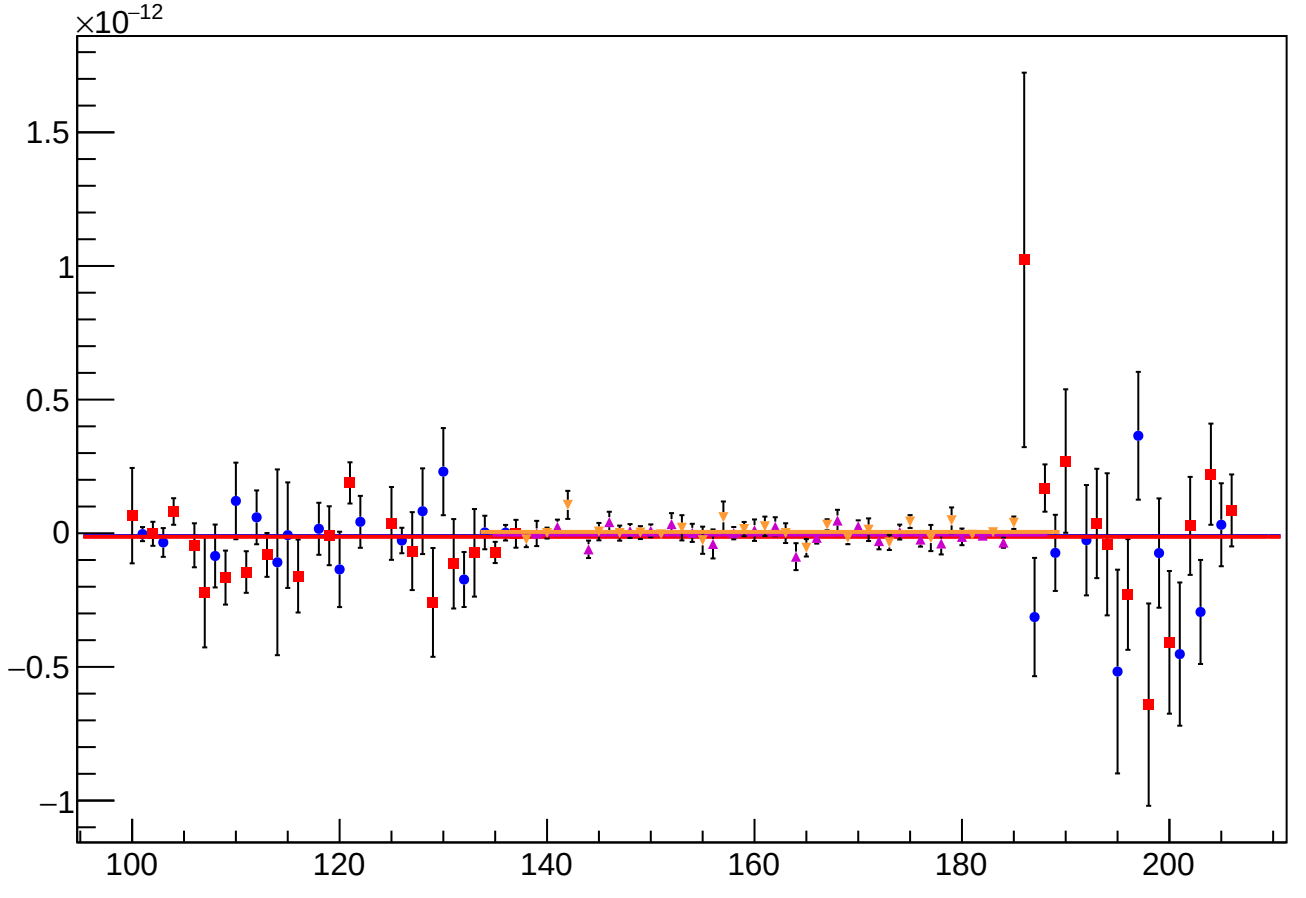
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1616.251+/-0.212 χ^2/NDF: 1810052.0/53

In: 1594.286+/-0.201 χ^2/NDF:1648920.2/47

Out: 1629.406+/-0.199 χ^2/NDF:1635936.2/52

All: 1612.033+/-0.141 χ^2/NDF: 3300271.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.4/22

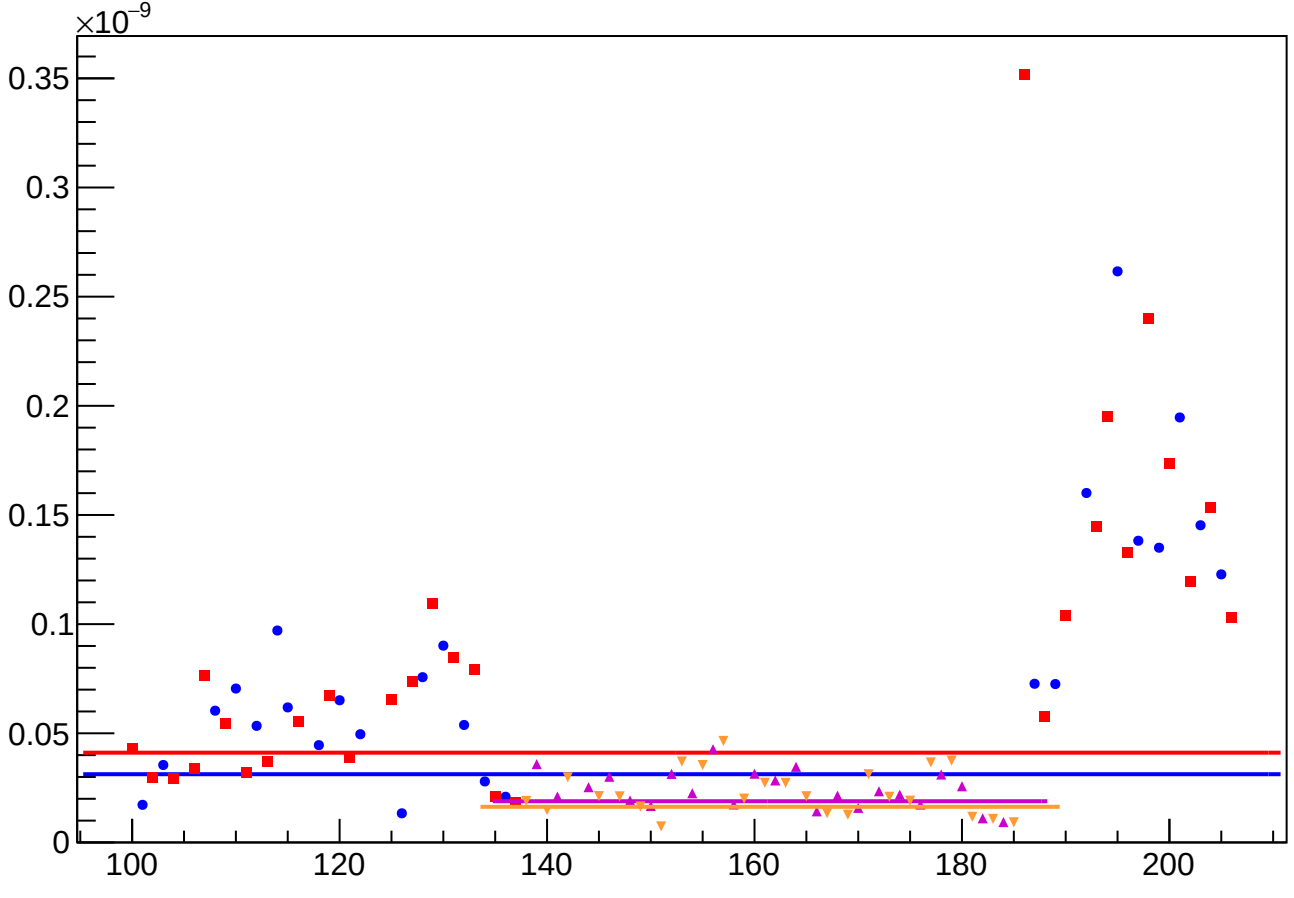
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 59.0/53

In: -0.000+/-0.000 χ^2/NDF:39.4/47

Out: 0.000+/-0.000 χ^2/NDF:61.1/52

All: -0.000+/-0.000 χ^2/NDF: 102.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 7127899.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6731799.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

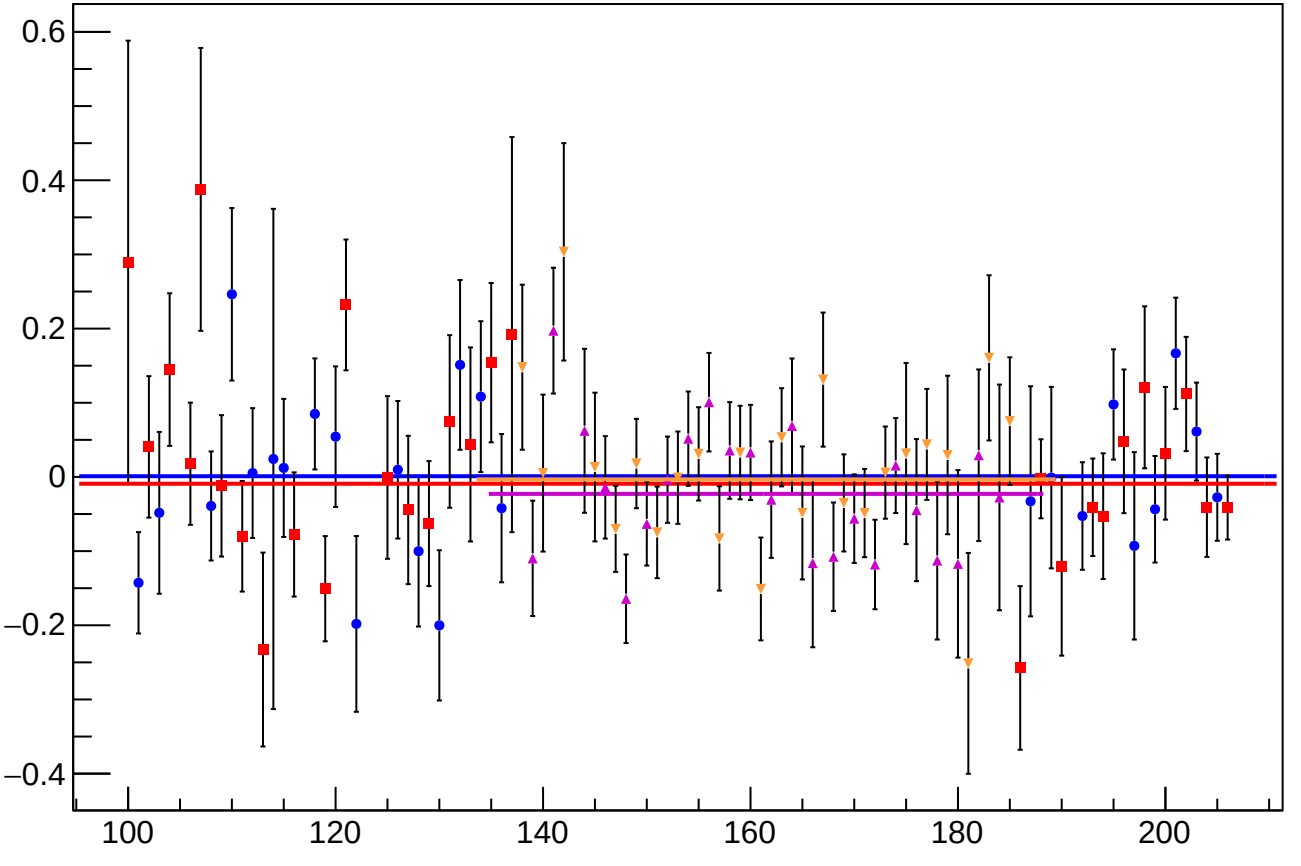
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 14236294.3/53

In: 0.000+/-0.000 χ^2/NDF:11596722.2/47

Out: 0.000+/-0.000 χ^2/NDF:14769313.6/52

All: 0.000+/-0.000 χ^2/NDF: 26520237.8/100



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.016 χ^2/NDF: 39.7/28

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

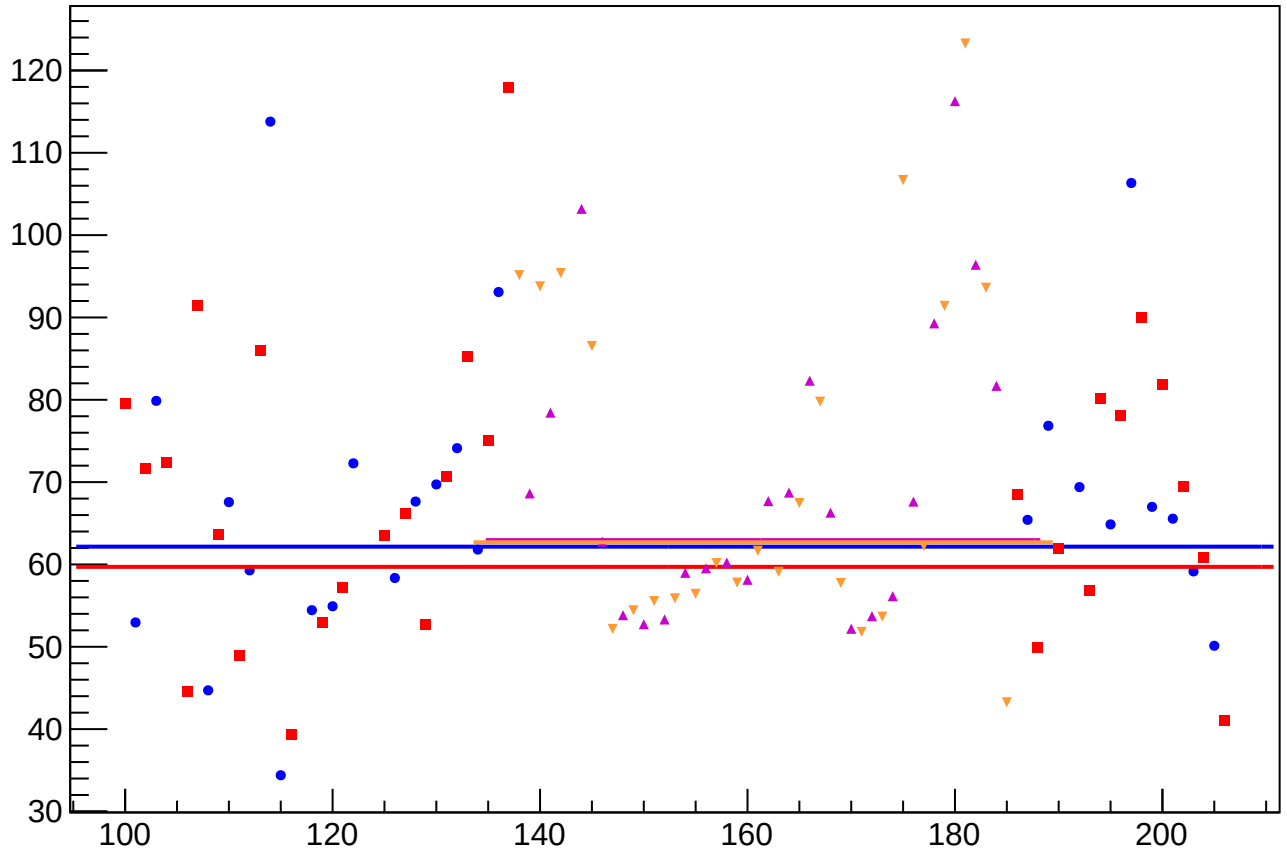
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.012 χ^2/NDF: 70.8/53

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.009+/-0.008 χ^2/NDF: 126.7/100



Right In: 62.162+/-0.013 χ^2/NDF: 1112506.5/24

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

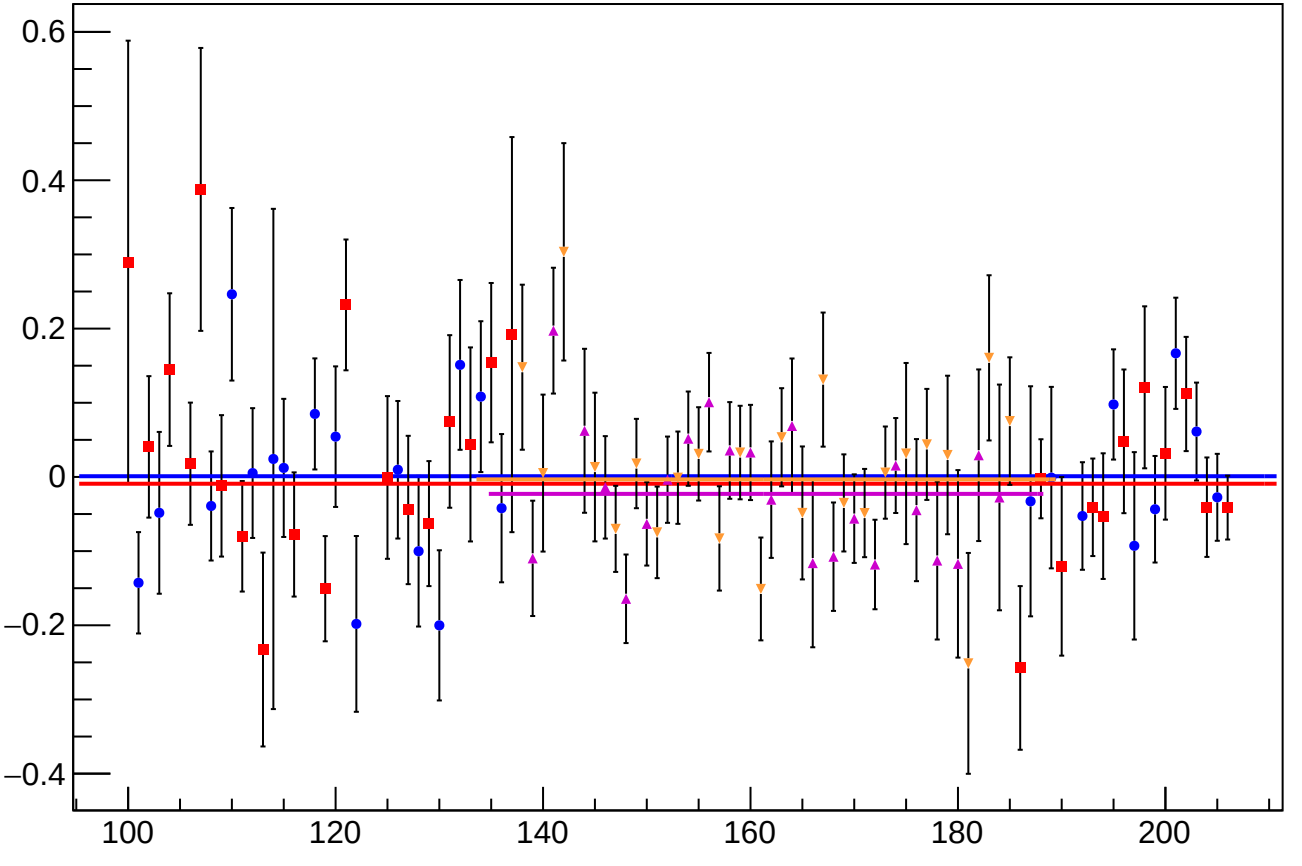
Right: 60.815+/-0.008 χ^2/NDF: 2805863.3/53

In: 62.611+/-0.008 χ^2/NDF:2545207.6/47

Out: 61.253+/-0.008 χ^2/NDF:3647501.9/52

All: 61.902+/-0.006 χ^2/NDF: 6206892.2/100

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.016 χ^2/NDF: 39.7/28

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

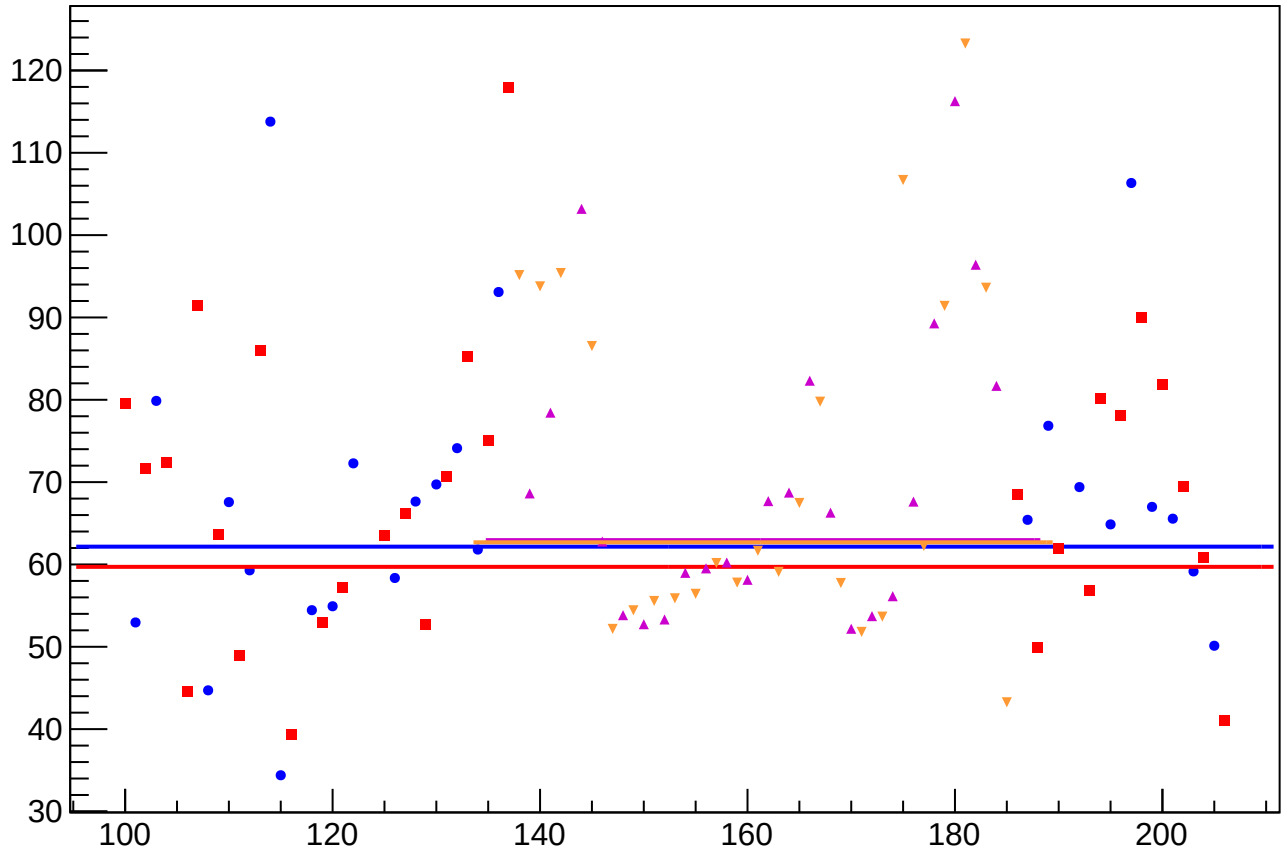
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.012 χ^2/NDF: 70.8/53

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.009+/-0.008 χ^2/NDF: 126.7/100



Right In: 62.162+/-0.013 χ^2/NDF: 1112506.5/24

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

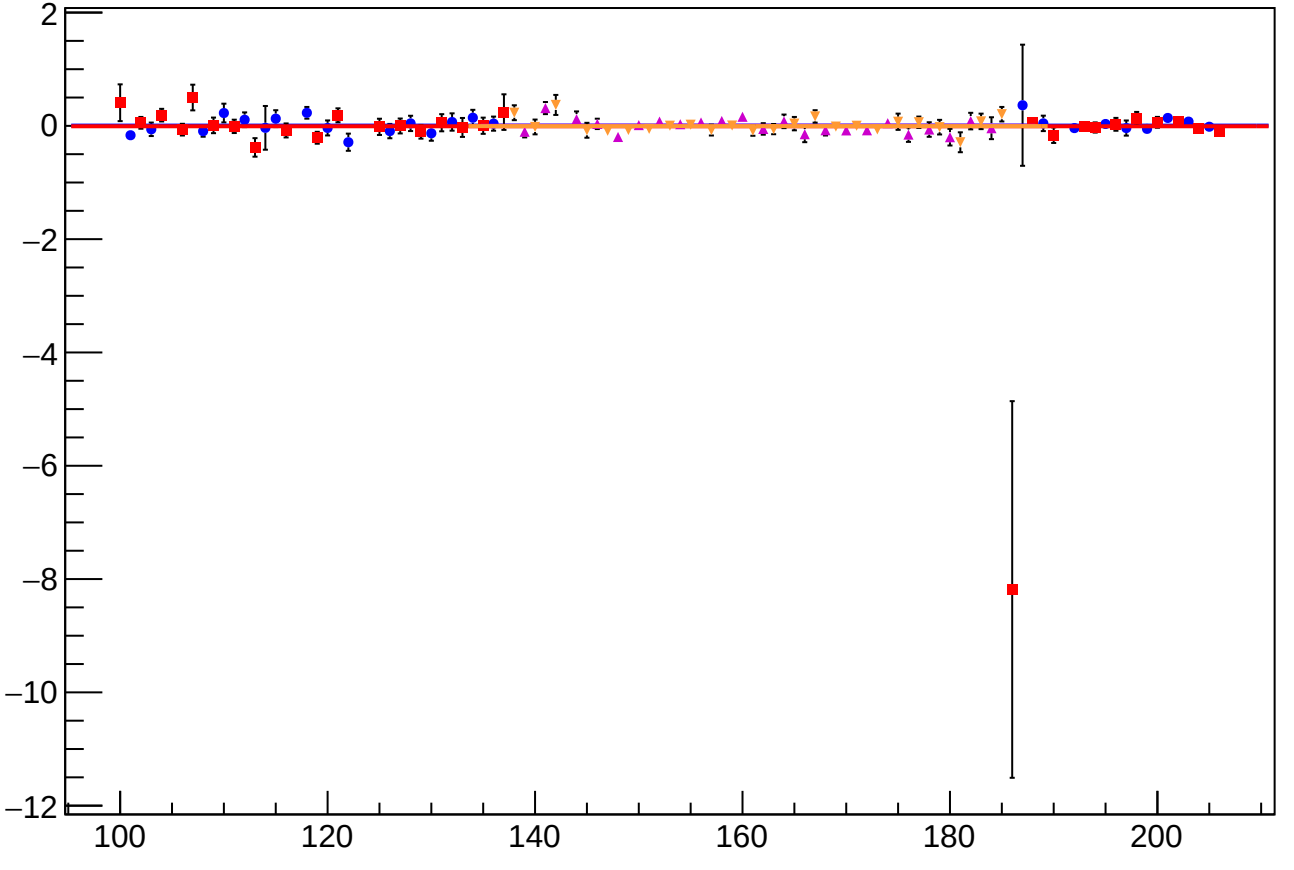
Right: 60.815+/-0.008 χ^2/NDF: 2805863.3/53

In: 62.611+/-0.008 χ^2/NDF:2545207.6/47

Out: 61.253+/-0.008 χ^2/NDF:3647501.9/52

All: 61.902+/-0.006 χ^2/NDF: 6206892.2/100

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.022 χ^2/NDF: 25.2/24

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.007+/-0.020 χ^2/NDF: 38.0/28

Left In: 0.002+/-0.021 χ^2/NDF:30.5/22

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

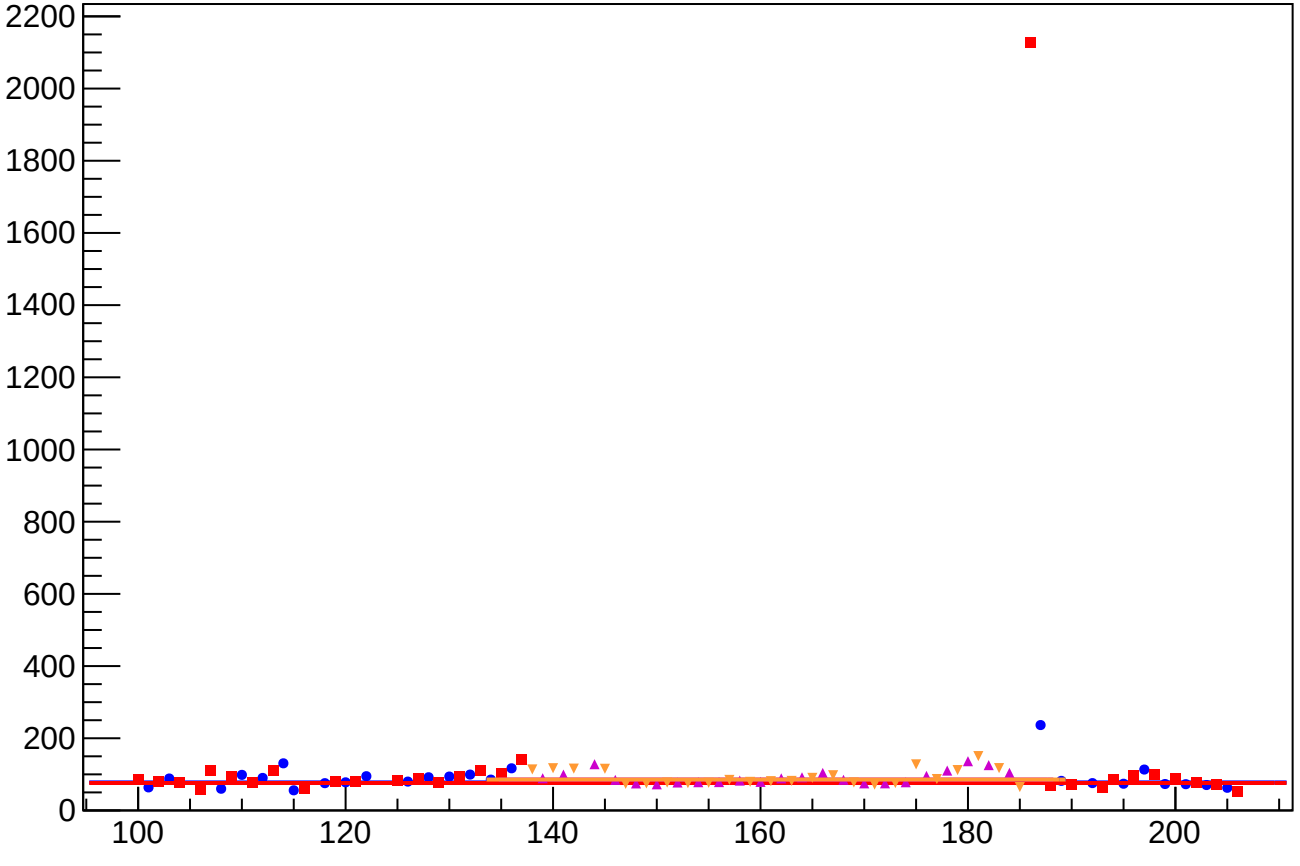
Right: -0.002+/-0.015 χ^2/NDF: 63.5/53

In: 0.003+/-0.015 χ^2/NDF:55.8/47

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: -0.002+/-0.010 χ^2/NDF: 115.4/100

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.670+/-0.015 χ^2/NDF: 904152.9/24

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

Right Out: 76.056+/-0.014 χ^2/NDF: 1951305.4/28

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

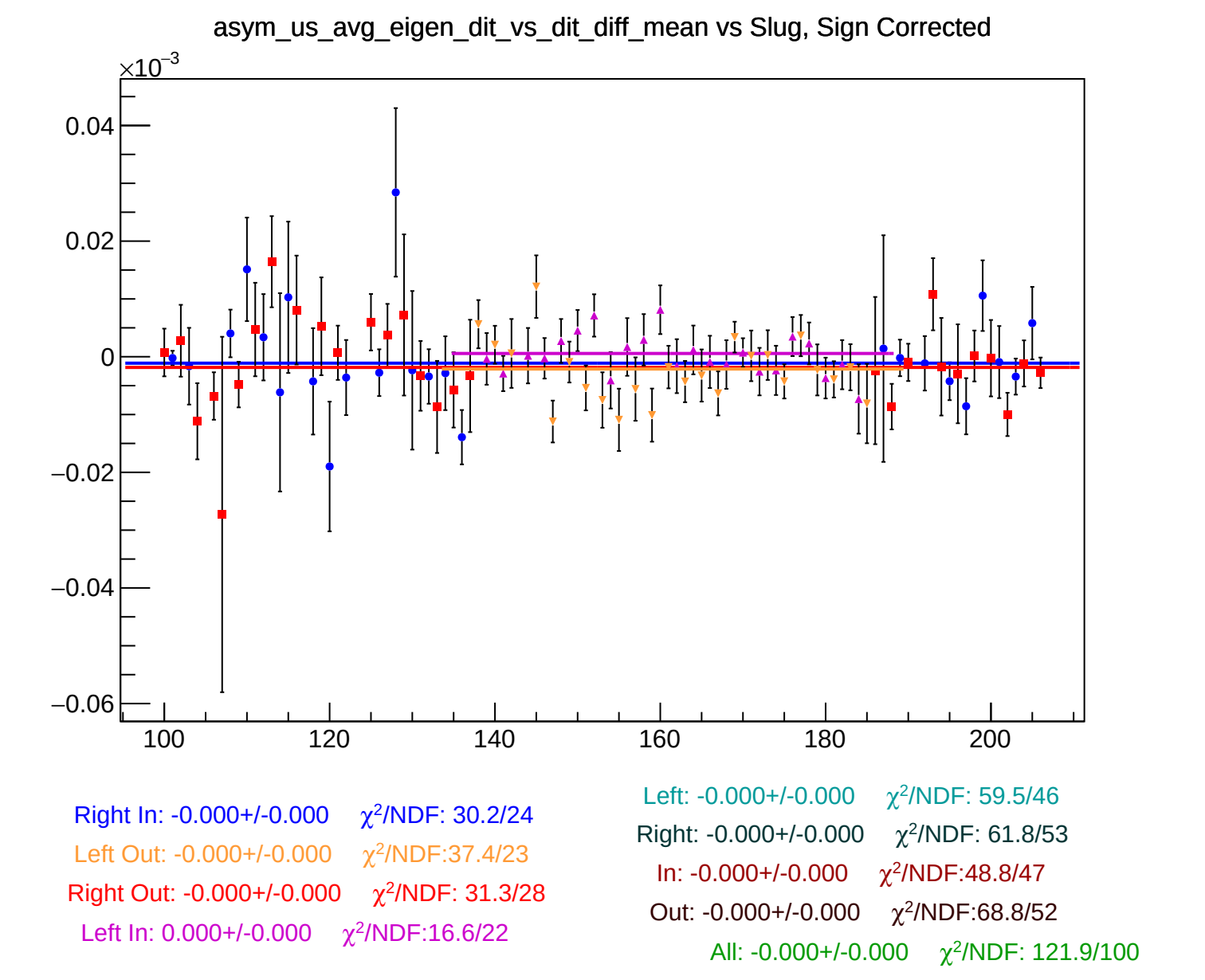
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

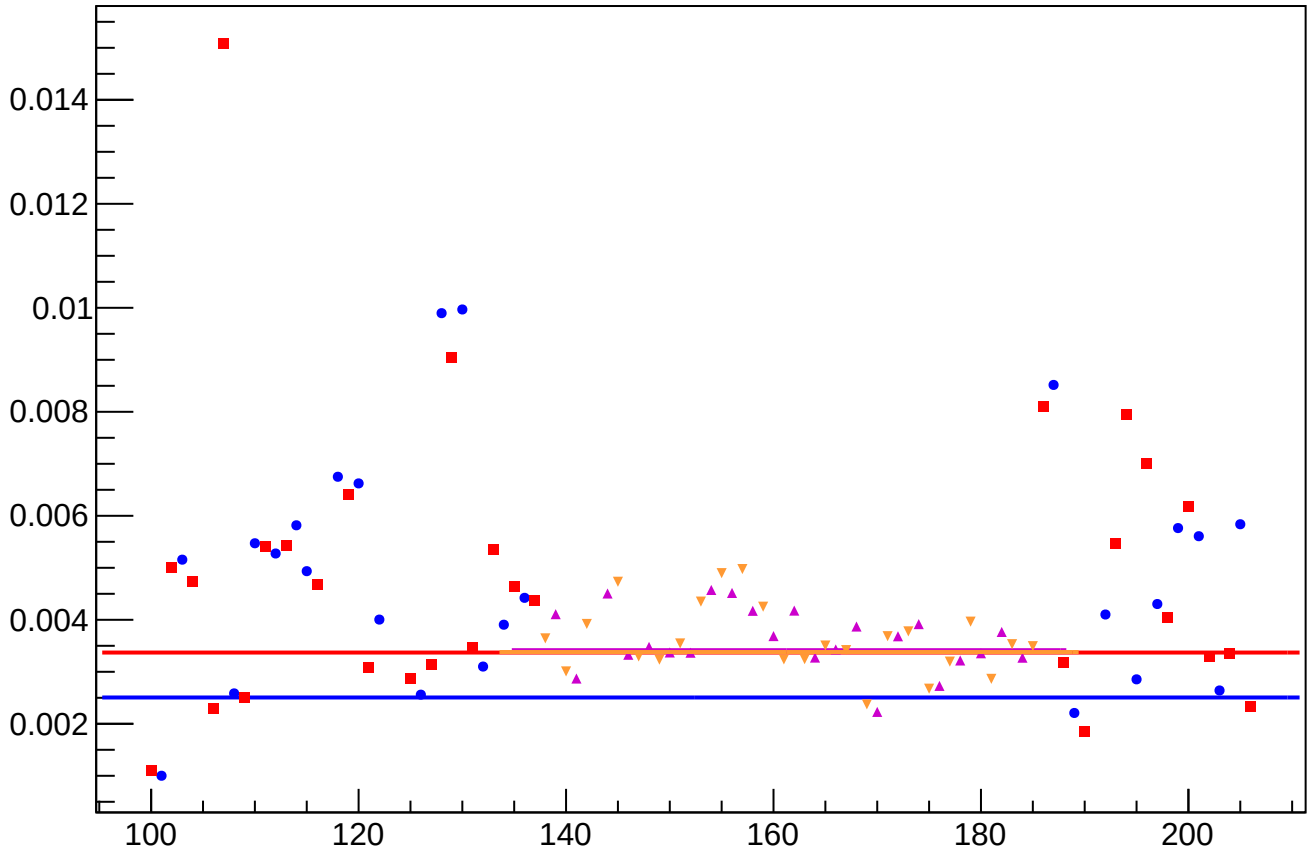
Right: 76.800+/-0.011 χ^2/NDF: 2861317.4/53

In: 81.901+/-0.011 χ^2/NDF:2041546.7/47

Out: 80.751+/-0.010 χ^2/NDF:3523846.0/52

All: 81.304+/-0.007 χ^2/NDF: 5571470.4/100


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.2/24
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.3/28
Left In: 0.000+/-0.000 χ²/NDF:16.6/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/46
Right: -0.000+/-0.000 χ²/NDF: 61.8/53
In: -0.000+/-0.000 χ²/NDF:48.8/47
Out: -0.000+/-0.000 χ²/NDF:68.8/52
All: -0.000+/-0.000 χ²/NDF: 121.9/100



Right In: 0.003+/-0.000 χ^2/NDF: 8555182.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5104472.1/28

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

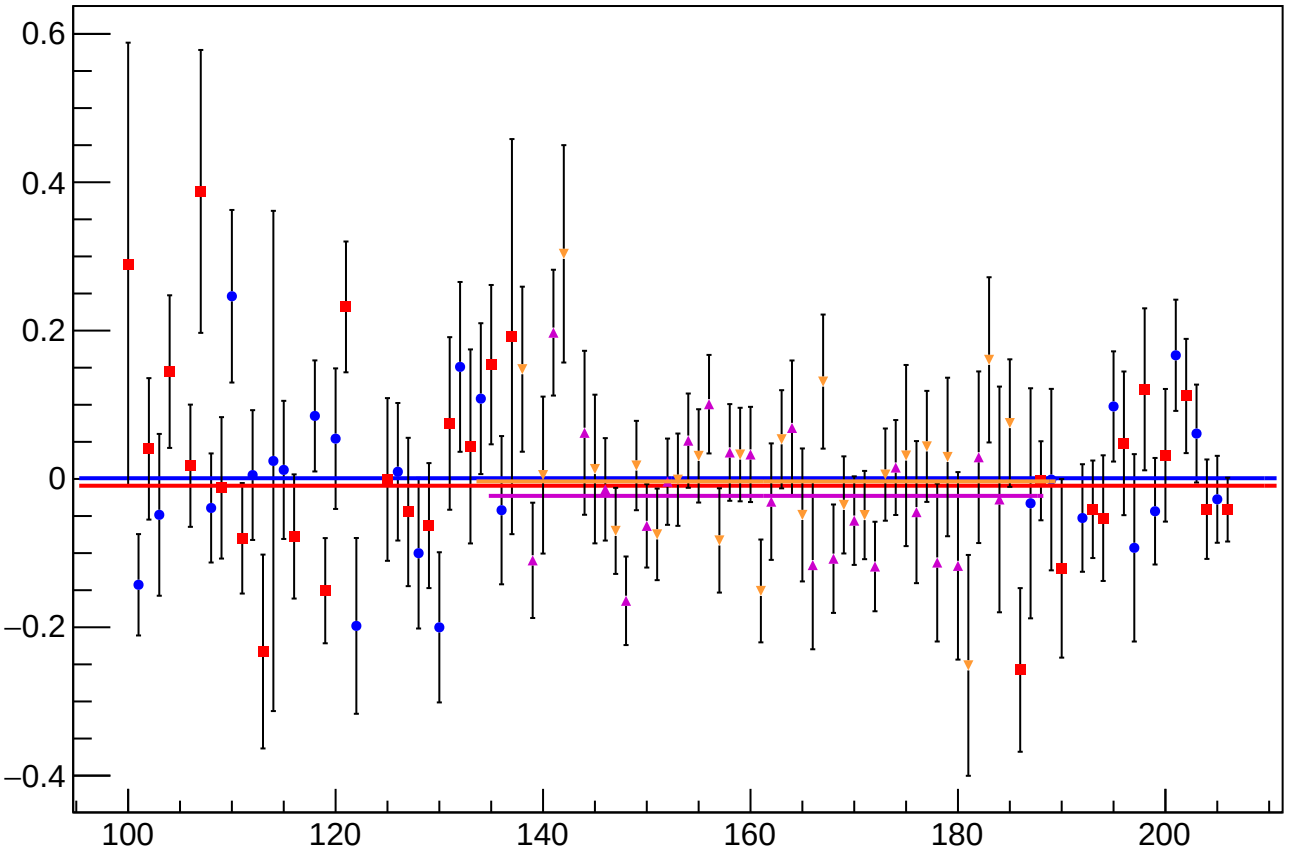
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 14575597.6/53

In: 0.003+/-0.000 χ^2/NDF:10947215.2/47

Out: 0.003+/-0.000 χ^2/NDF:6300243.5/52

All: 0.003+/-0.000 χ^2/NDF: 17704711.4/100



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.016 χ^2/NDF: 39.7/28

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

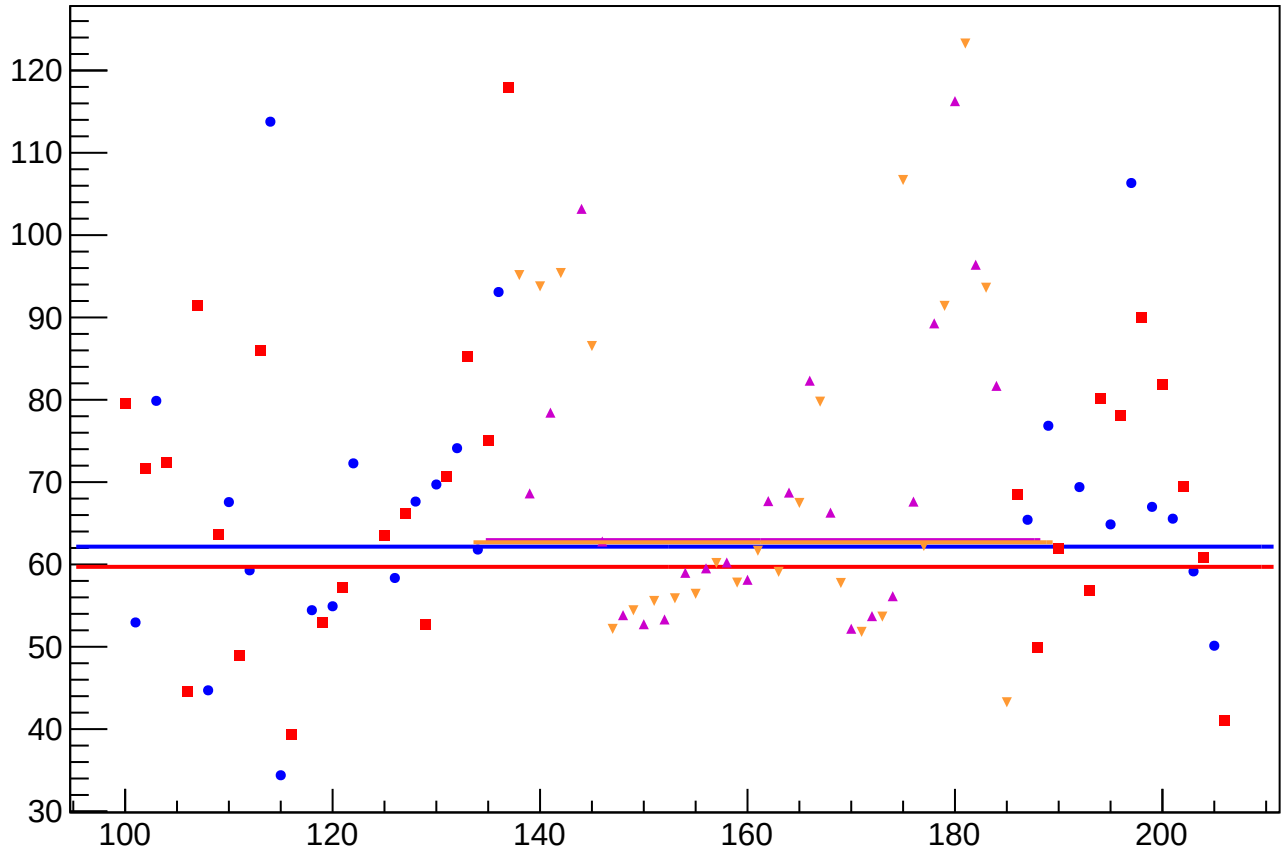
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.012 χ^2/NDF: 70.8/53

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.009+/-0.008 χ^2/NDF: 126.7/100



Right In: 62.162+/-0.013 χ^2/NDF: 1112498.1/24

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

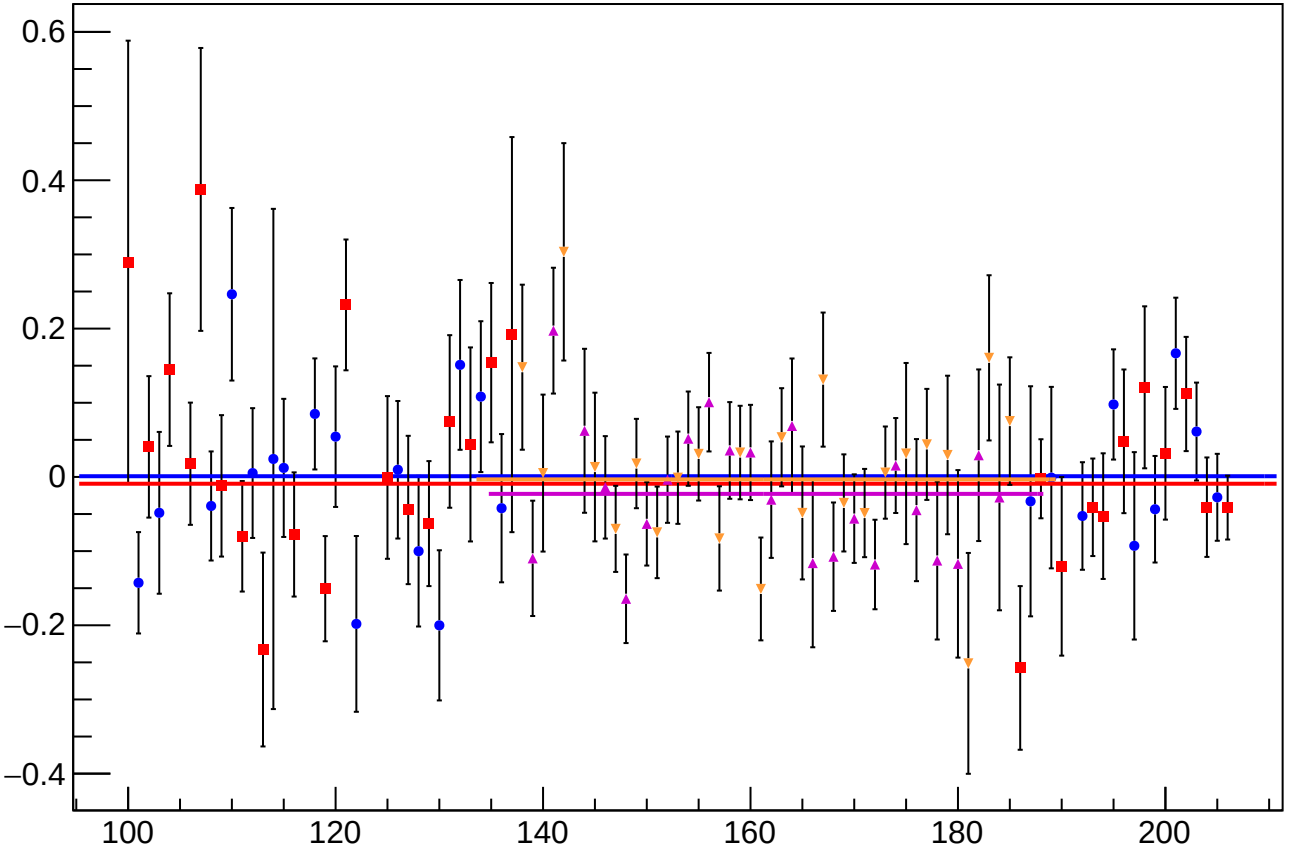
Right: 60.815+/-0.008 χ^2/NDF: 2805696.8/53

In: 62.611+/-0.008 χ^2/NDF:2545178.9/47

Out: 61.253+/-0.008 χ^2/NDF:3647346.3/52

All: 61.902+/-0.006 χ^2/NDF: 6206707.7/100

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.016 χ^2/NDF: 39.7/28

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

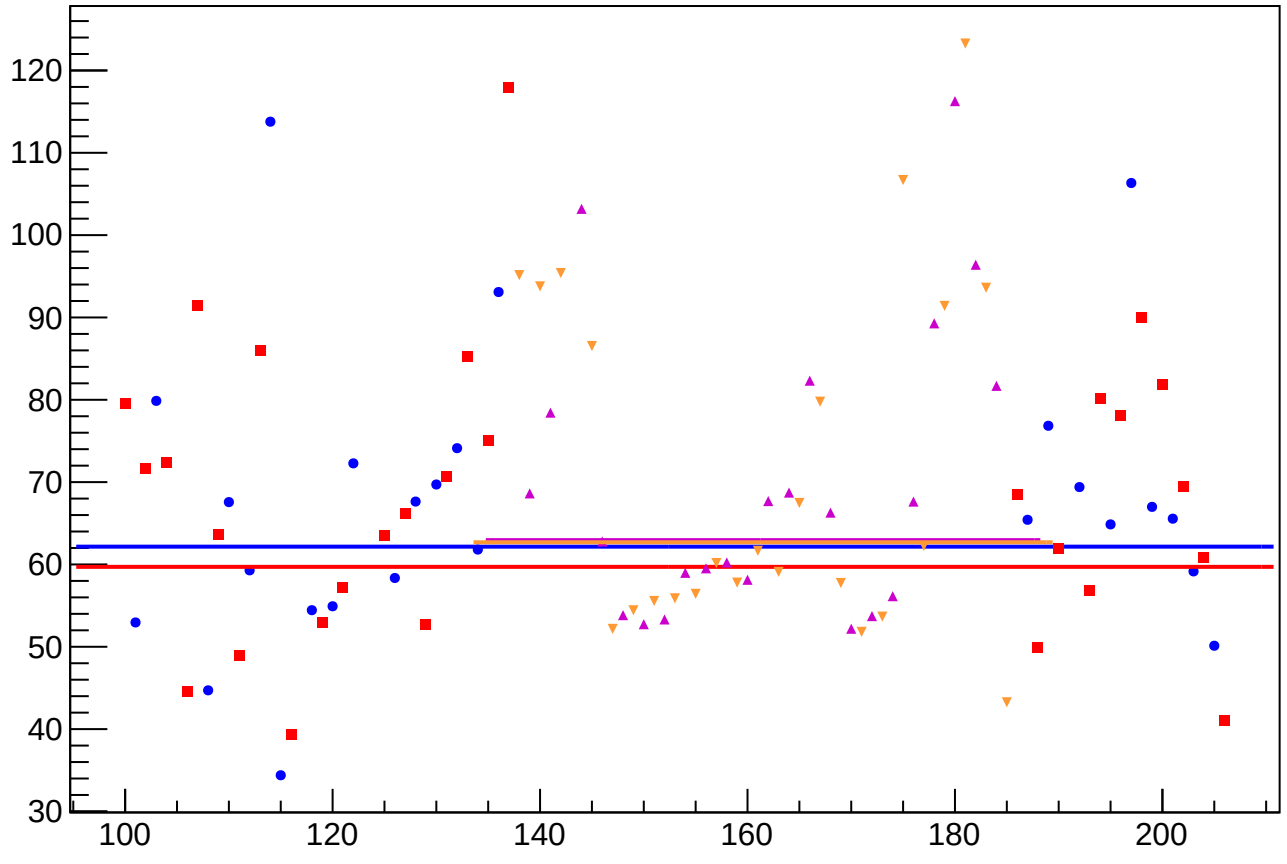
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.012 χ^2/NDF: 70.8/53

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.009+/-0.008 χ^2/NDF: 126.7/100



Right In: 62.162+/-0.013 χ^2/NDF: 1112498.1/24

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

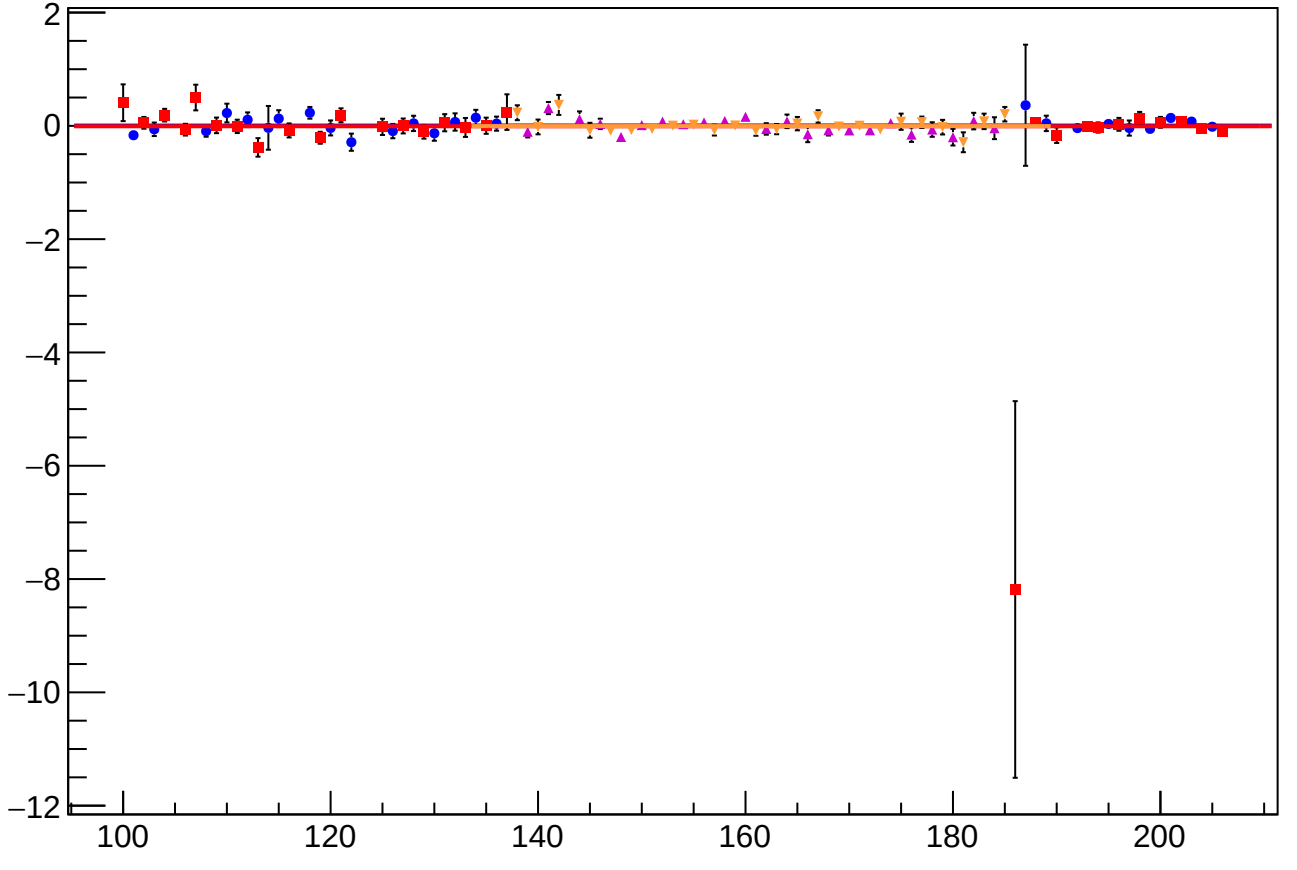
Right: 60.815+/-0.008 χ^2/NDF: 2805696.8/53

In: 62.611+/-0.008 χ^2/NDF:2545178.9/47

Out: 61.253+/-0.008 χ^2/NDF:3647346.3/52

All: 61.902+/-0.006 χ^2/NDF: 6206707.7/100

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.022 χ^2/NDF: 25.2/24

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.007+/-0.020 χ^2/NDF: 38.0/28

Left In: 0.002+/-0.021 χ^2/NDF:30.5/22

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

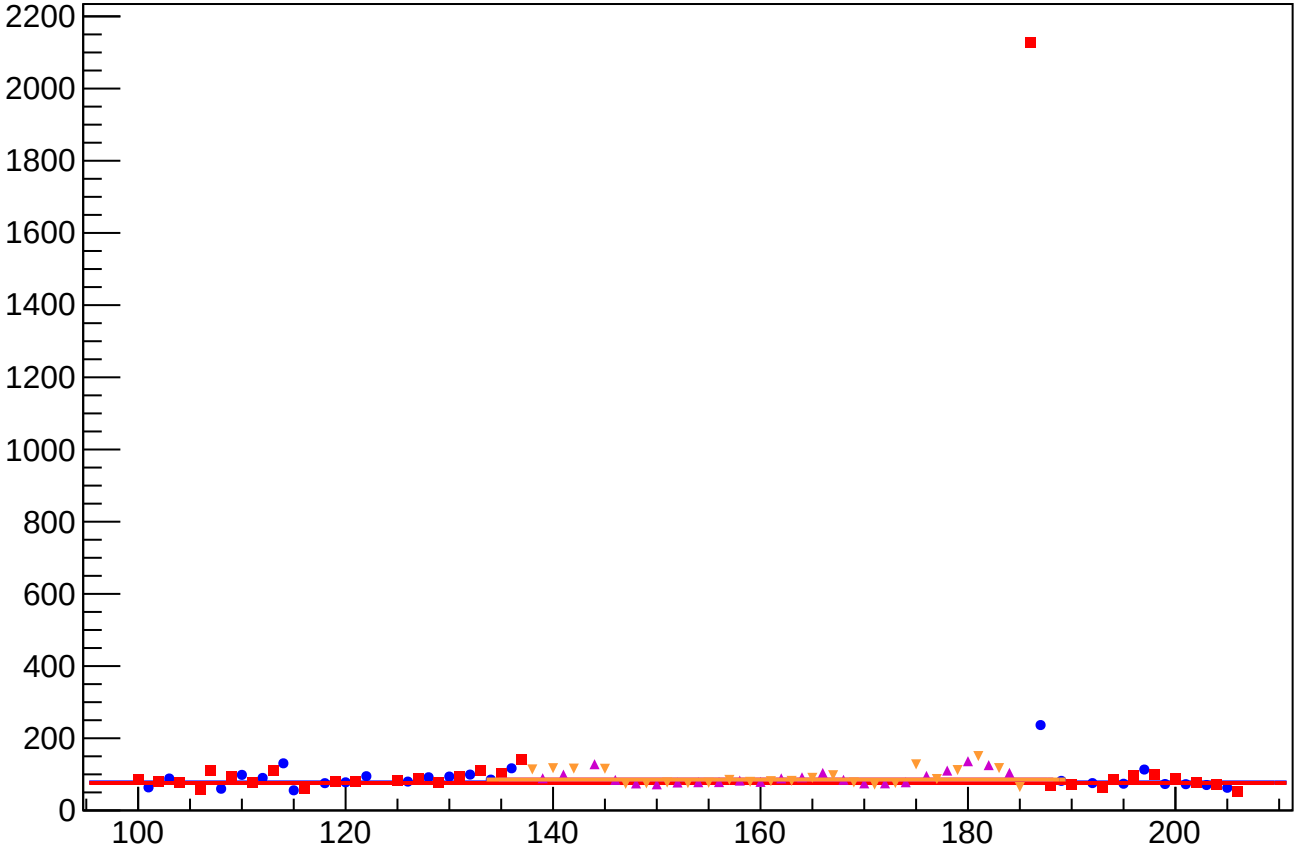
Right: -0.002+/-0.015 χ^2/NDF: 63.5/53

In: 0.003+/-0.015 χ^2/NDF:55.8/47

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: -0.002+/-0.010 χ^2/NDF: 115.4/100

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.670+/-0.015 χ^2/NDF: 904106.0/24

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

Right Out: 76.056+/-0.014 χ^2/NDF: 1951210.3/28

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

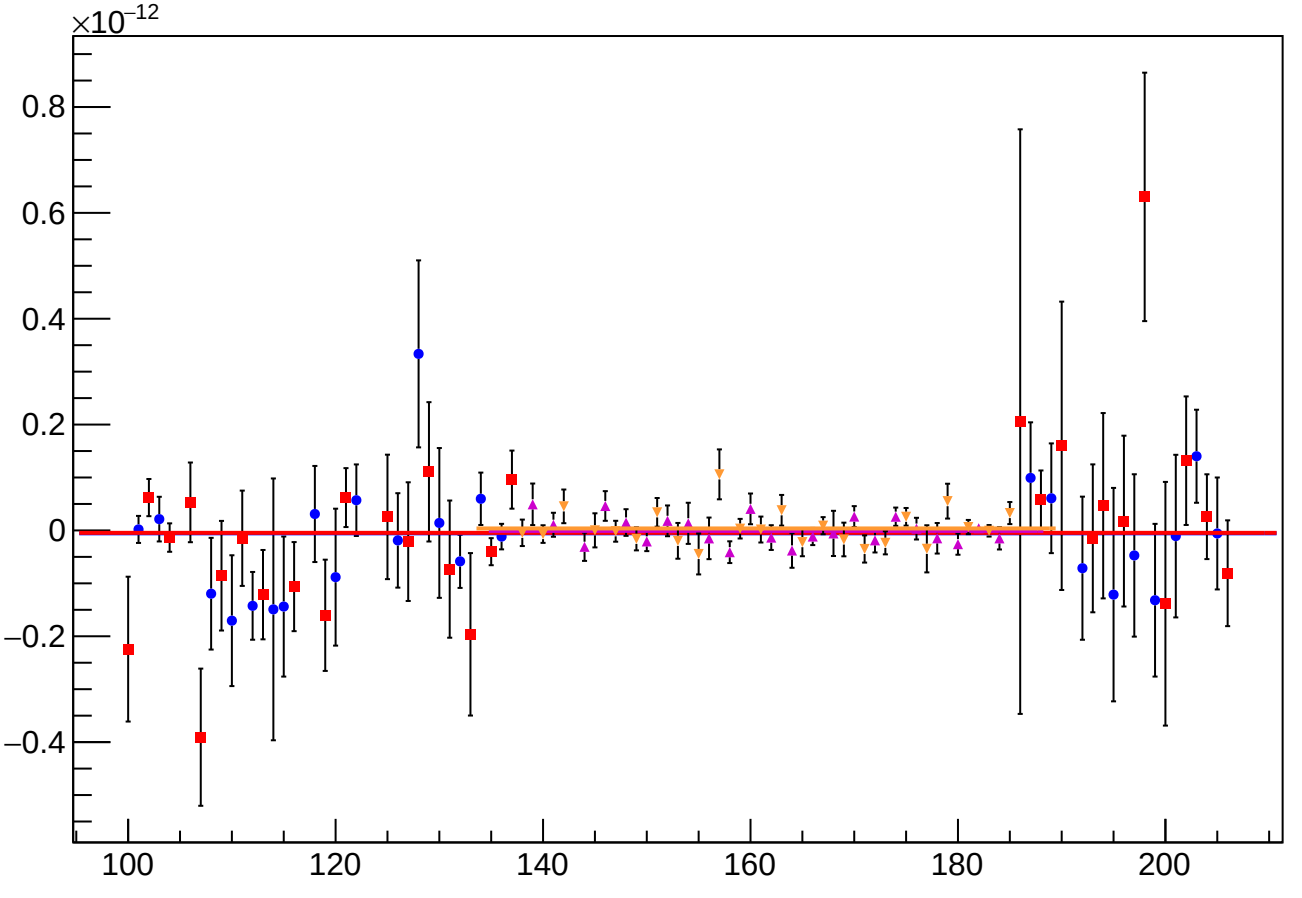
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 76.800+/-0.011 χ^2/NDF: 2861175.4/53

In: 81.901+/-0.011 χ^2/NDF:2041507.0/47

Out: 80.751+/-0.010 χ^2/NDF:3523765.6/52

All: 81.304+/-0.007 χ^2/NDF: 5571350.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/28

Left In: -0.000+/-0.000 χ^2/NDF:23.6/22

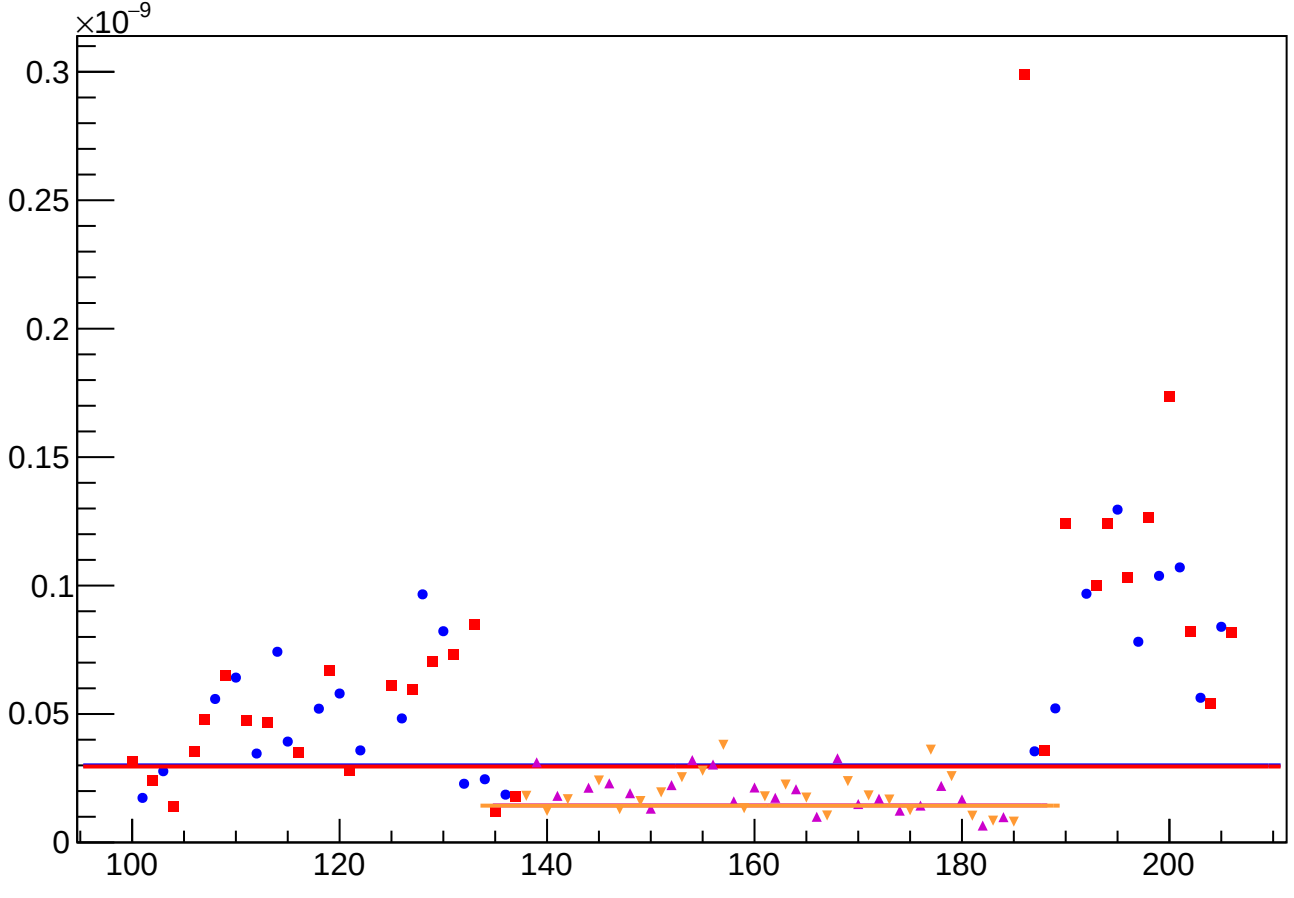
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 66.0/53

In: -0.000+/-0.000 χ^2/NDF:46.8/47

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 115.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 5227568.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:3611096.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7907480.8/28

Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7867648.9/46

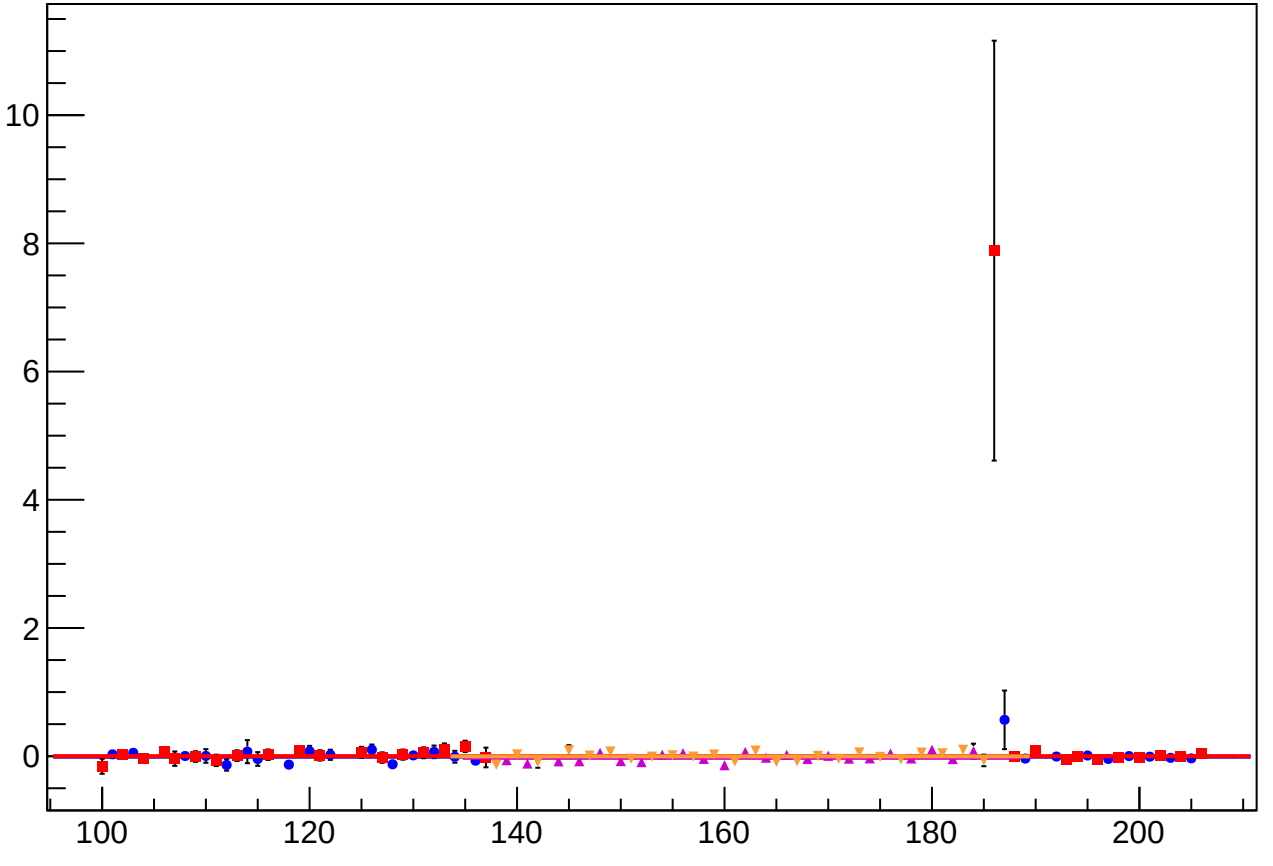
Right: 0.000+/-0.000 χ^2/NDF: 13136310.3/53

In: 0.000+/-0.000 χ^2/NDF:12212693.7/47

Out: 0.000+/-0.000 χ^2/NDF:14163879.9/52

All: 0.000+/-0.000 χ^2/NDF: 26377770.1/100

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 20.8/24

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: 0.001+/-0.008 χ^2/NDF: 32.4/28

Left In: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

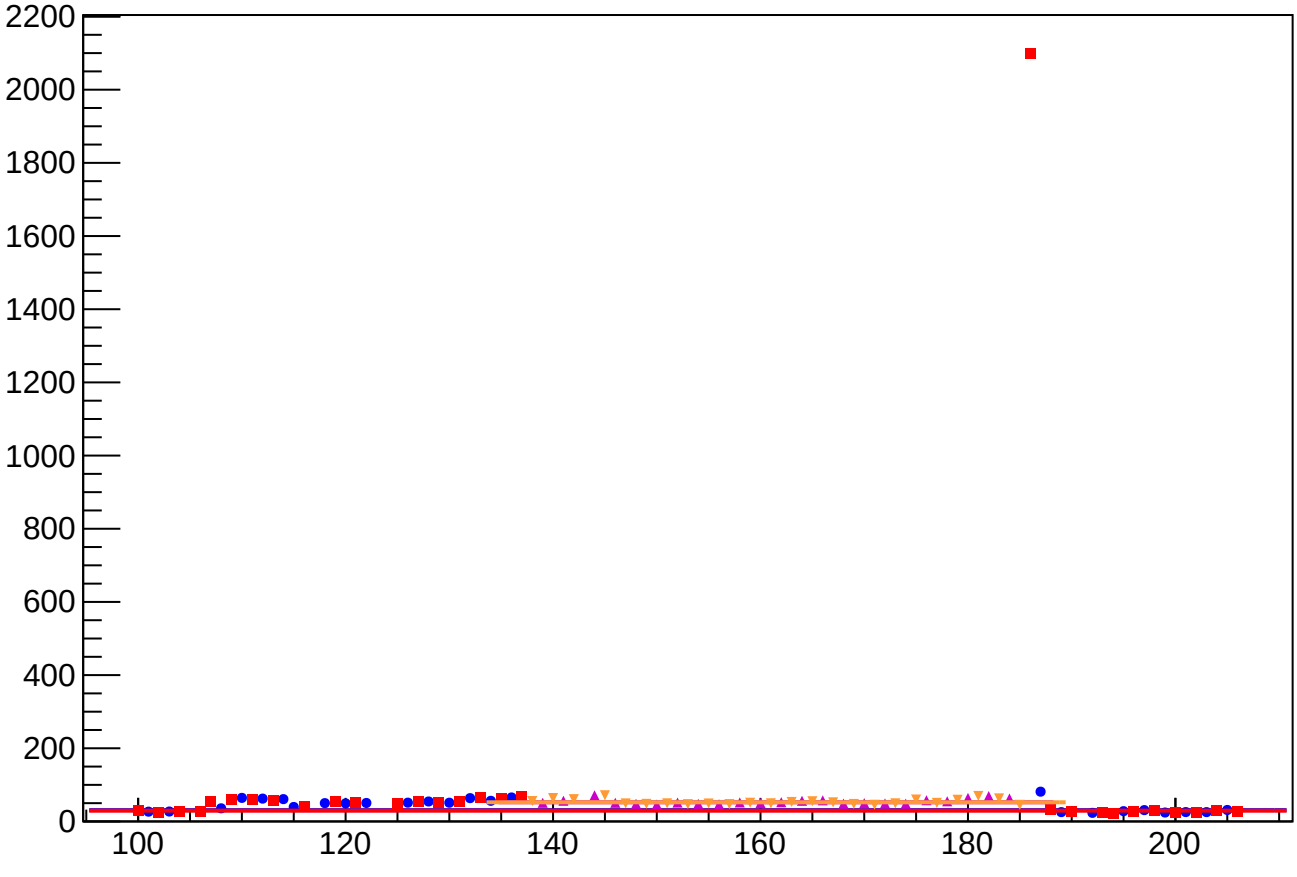
Right: -0.003+/-0.006 χ^2/NDF: 53.7/53

In: -0.014+/-0.007 χ^2/NDF:46.4/47

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.007+/-0.005 χ^2/NDF: 103.7/100

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.824+/-0.006 χ^2/NDF: 2795780.7/24

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

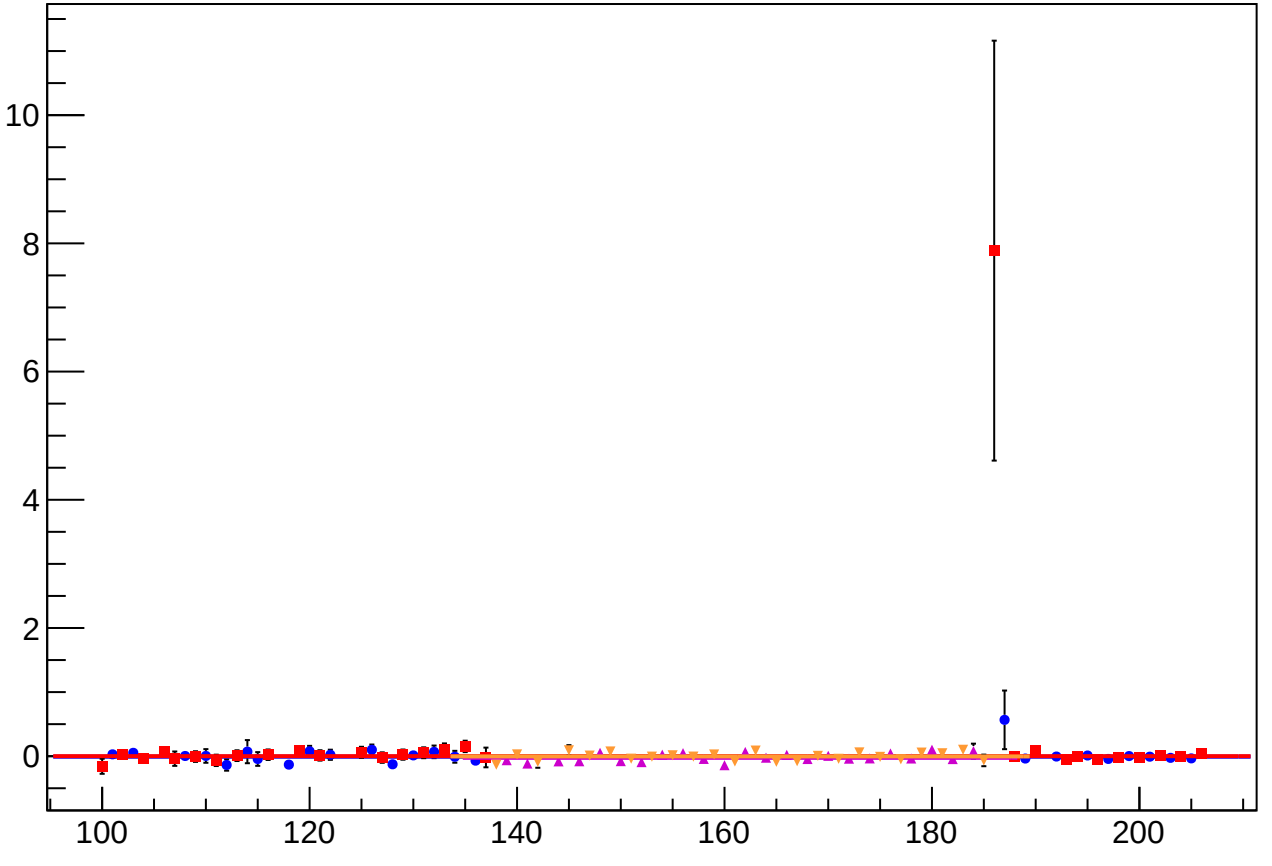
Right: 30.135+/-0.004 χ^2/NDF: 6649012.6/53

In: 38.204+/-0.005 χ^2/NDF:7192513.0/47

Out: 36.440+/-0.005 χ^2/NDF:9060529.4/52

All: 37.262+/-0.004 χ^2/NDF: 16315384.5/100

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 20.8/24

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: 0.001+/-0.008 χ^2/NDF: 32.4/28

Left In: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

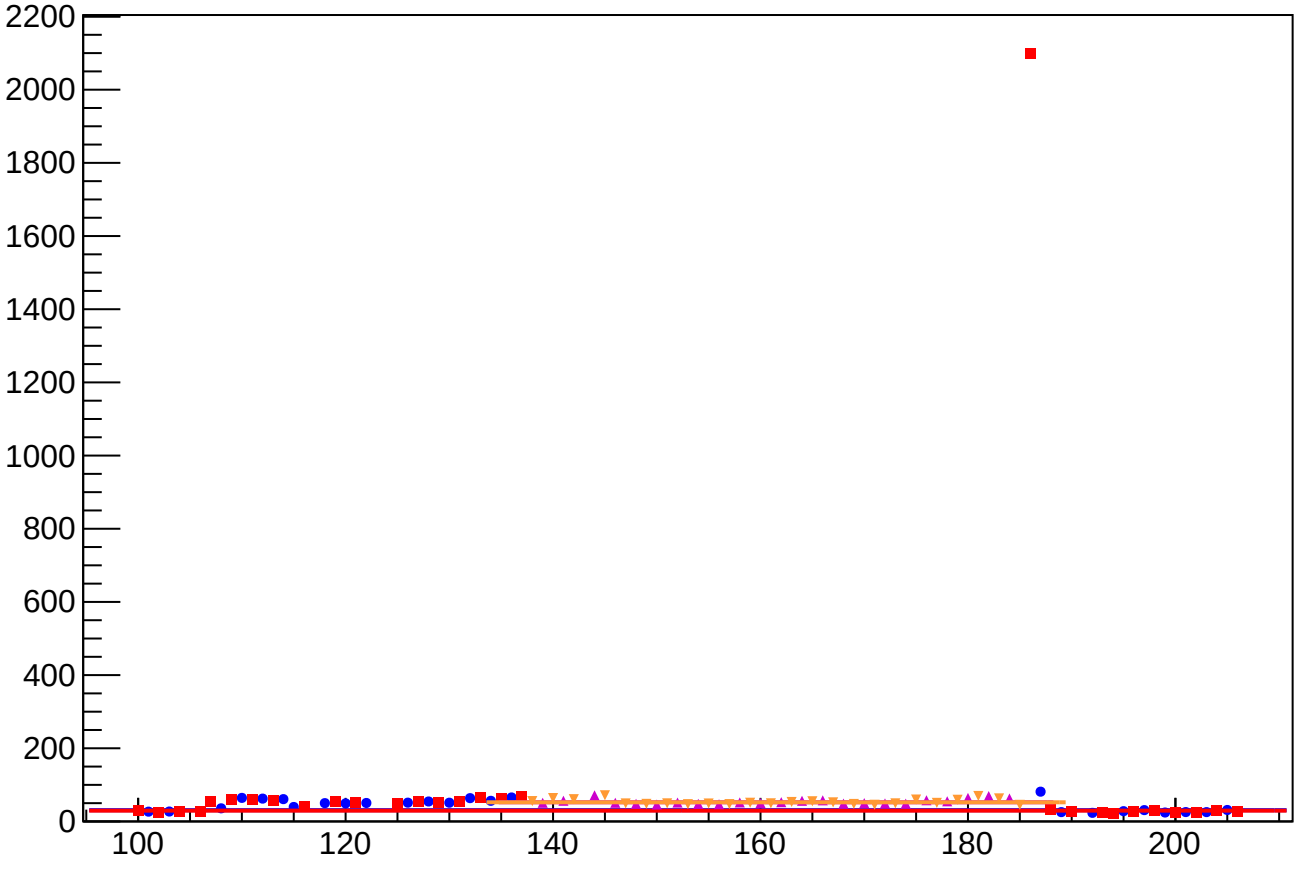
Right: -0.003+/-0.006 χ^2/NDF: 53.7/53

In: -0.014+/-0.007 χ^2/NDF:46.4/47

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.007+/-0.005 χ^2/NDF: 103.7/100

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.824+/-0.006 χ^2/NDF: 2795780.7/24

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

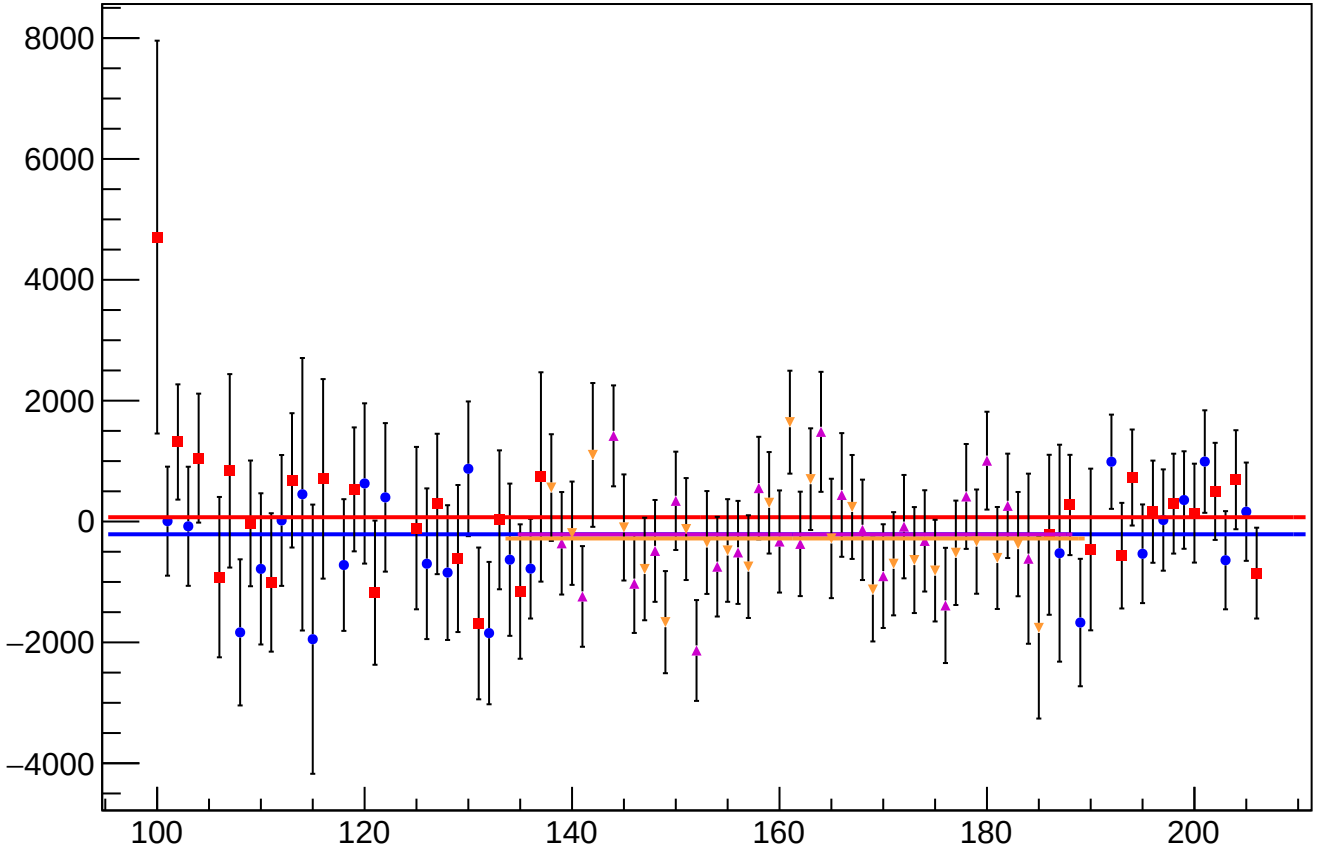
Right: 30.135+/-0.004 χ^2/NDF: 6649012.6/53

In: 38.204+/-0.005 χ^2/NDF:7192513.0/47

Out: 36.440+/-0.005 χ^2/NDF:9060529.4/52

All: 37.262+/-0.004 χ^2/NDF: 16315384.5/100

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 71.352+/-193.556 χ^2/NDF: 15.7/28

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

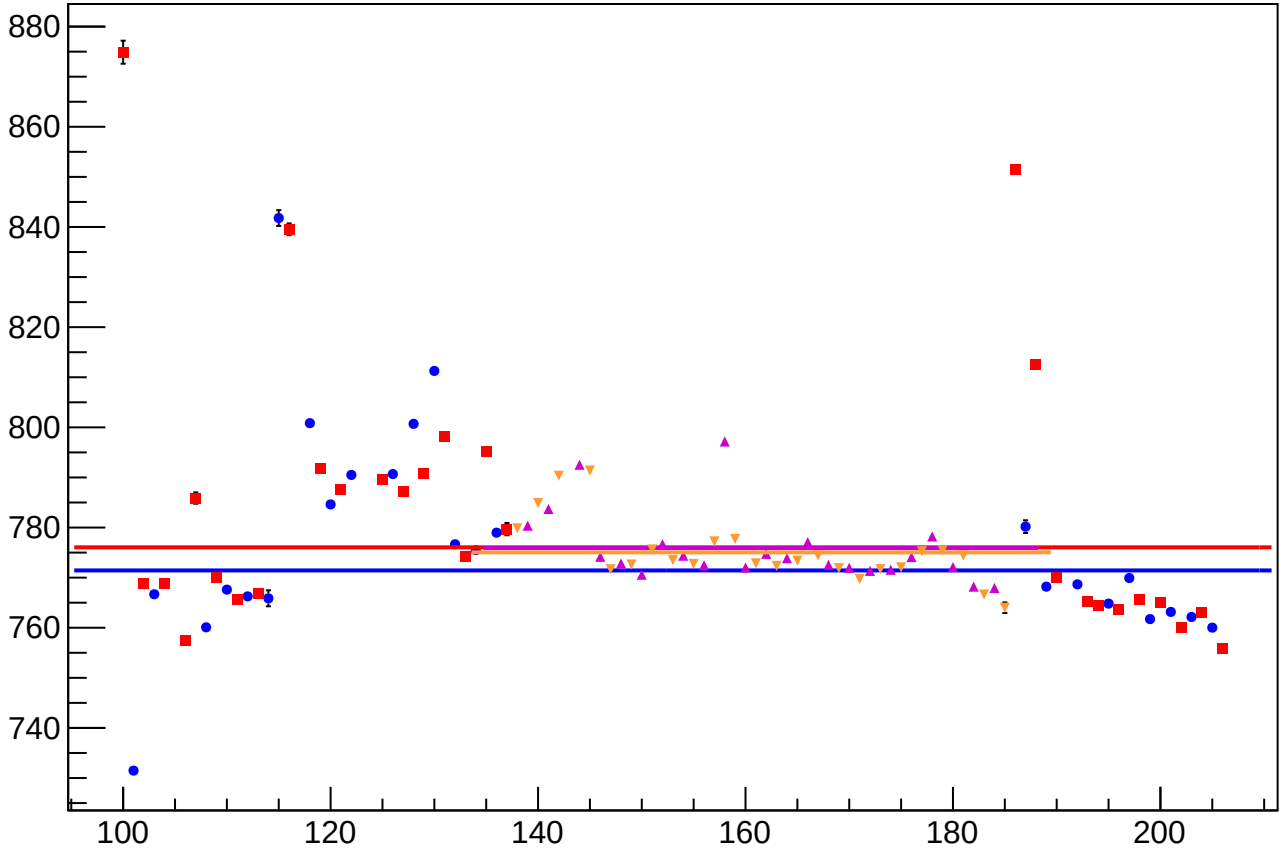
Right: -61.502+/-140.858 χ^2/NDF: 31.8/53

In: -212.397+/-135.862 χ^2/NDF:37.5/47

Out: -117.369+/-131.764 χ^2/NDF:33.5/52

All: -163.429+/-94.587 χ^2/NDF: 71.3/100

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

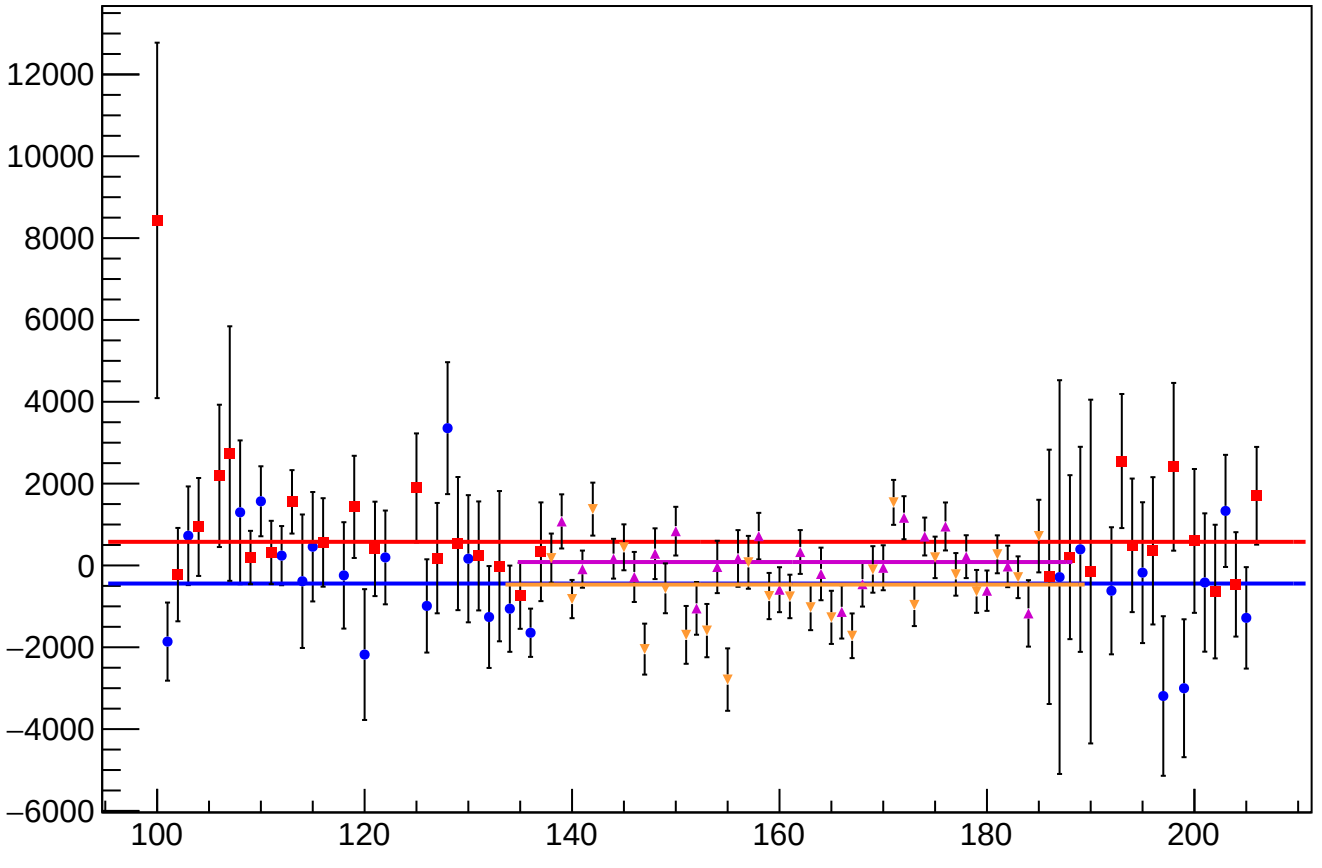
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.882+/-0.100 χ^2/NDF: 38331.5/53

In: 773.961+/-0.096 χ^2/NDF:17861.9/47

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: 576.963+/-234.498 χ^2/NDF: 16.2/28

Left In: 83.154+/-117.808 χ^2/NDF:28.1/22

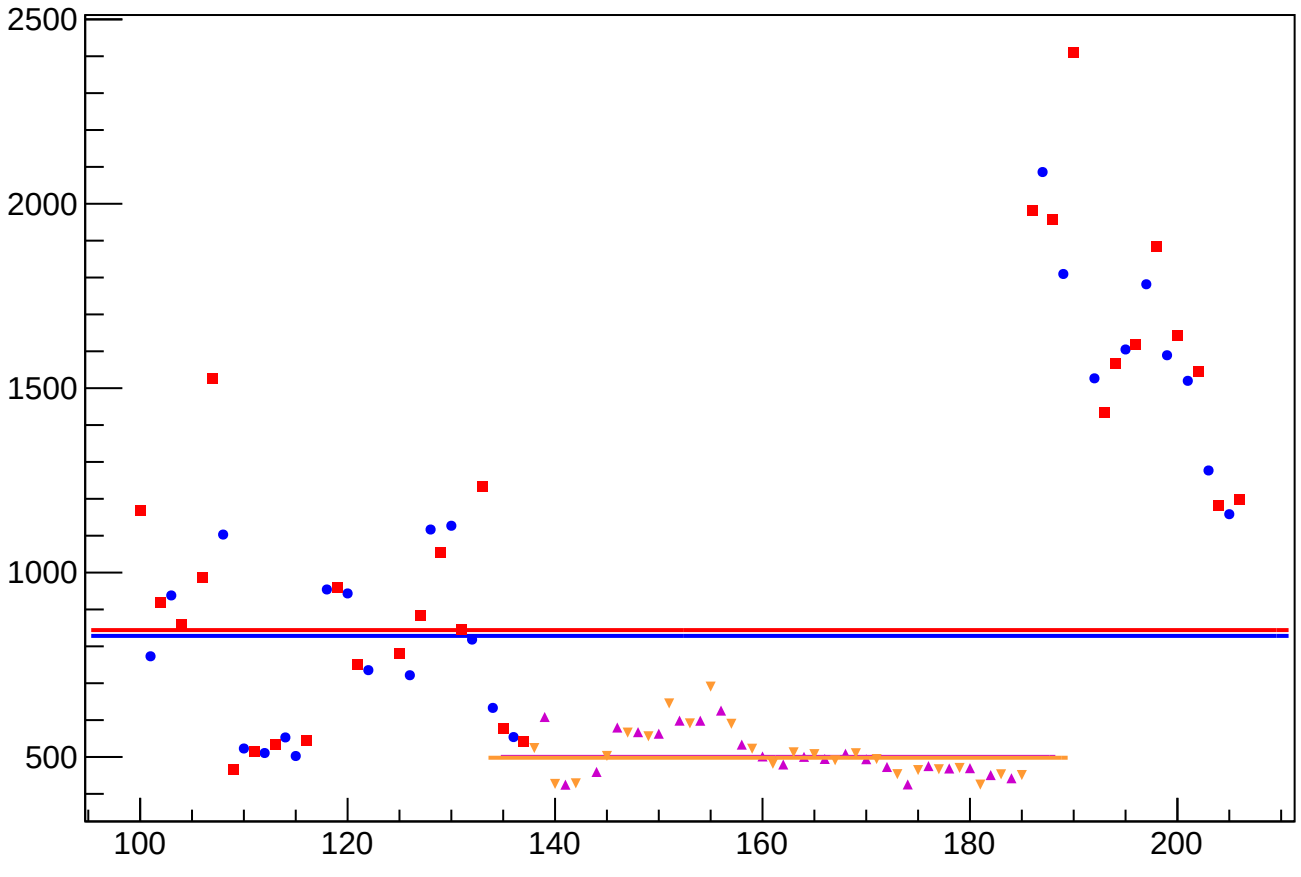
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 82.057+/-168.198 χ^2/NDF: 55.3/53

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -259.856+/-104.486 χ^2/NDF:96.5/52

All: -140.491+/-74.368 χ^2/NDF: 161.1/100



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

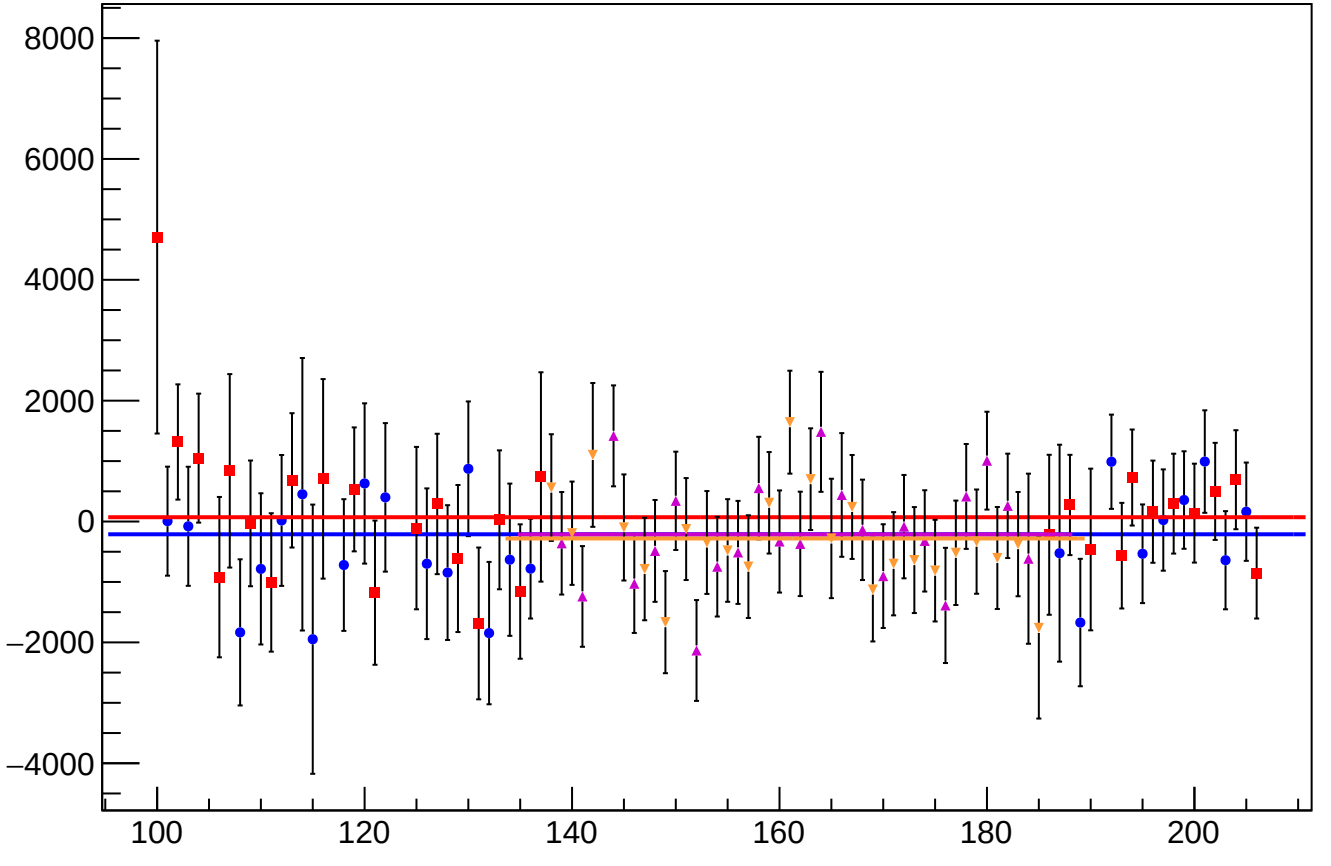
Right: 836.411+/-0.119 χ^2/NDF: 10359086.4/53

In: 563.404+/-0.075 χ^2/NDF:7879357.7/47

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 71.352+/-193.556 χ^2/NDF: 15.7/28

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

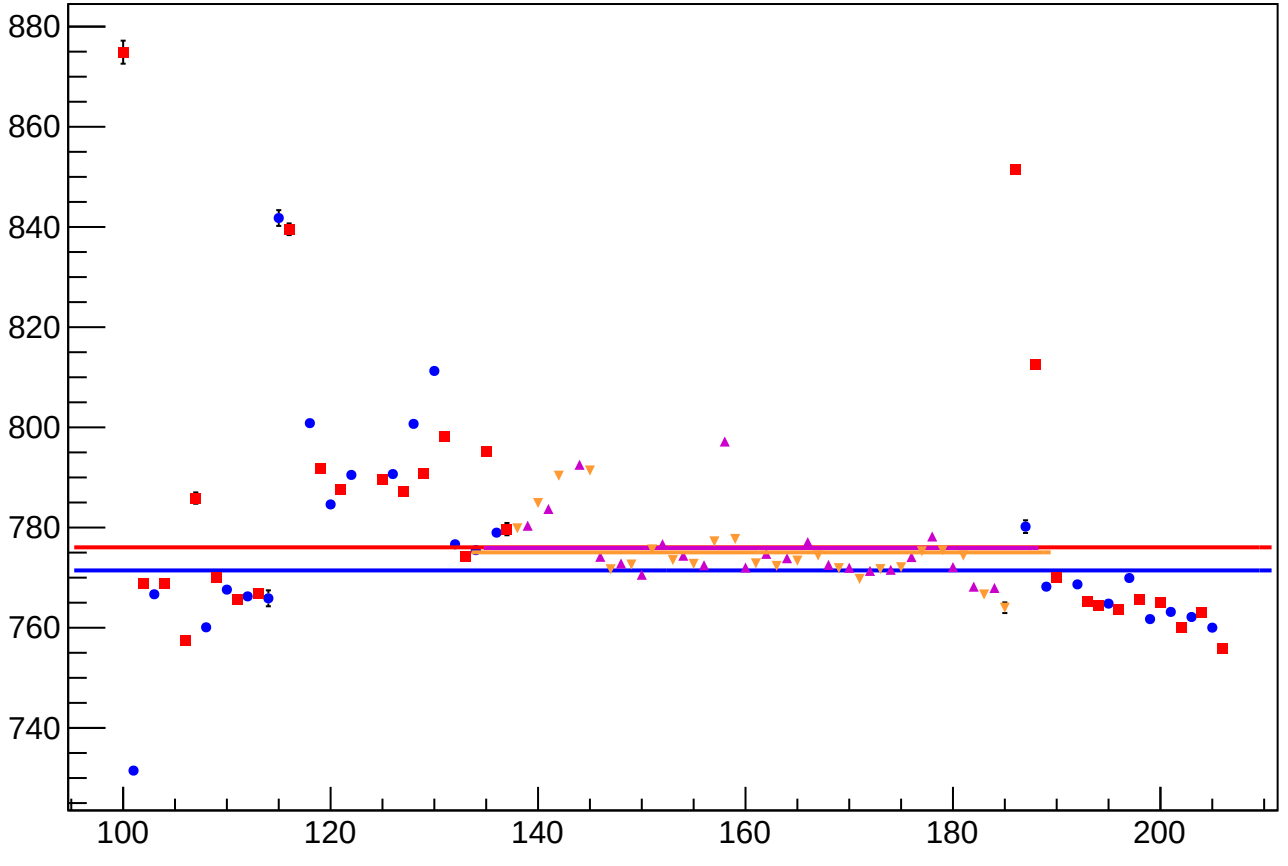
Right: -61.502+/-140.858 χ^2/NDF: 31.8/53

In: -212.397+/-135.862 χ^2/NDF:37.5/47

Out: -117.369+/-131.764 χ^2/NDF:33.5/52

All: -163.429+/-94.587 χ^2/NDF: 71.3/100

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

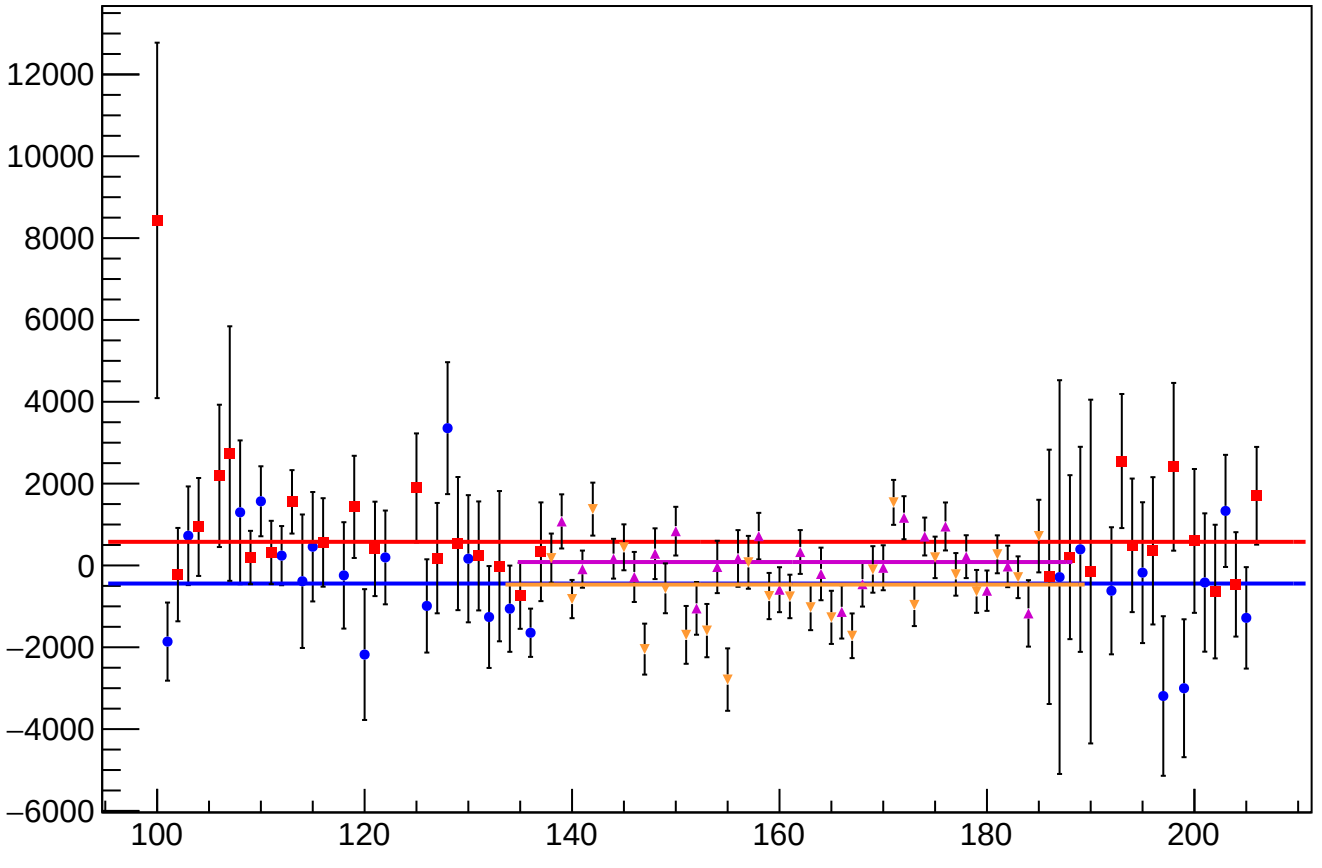
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.882+/-0.100 χ^2/NDF: 38331.5/53

In: 773.961+/-0.096 χ^2/NDF:17861.9/47

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: 576.963+/-234.498 χ^2/NDF: 16.2/28

Left In: 83.154+/-117.808 χ^2/NDF:28.1/22

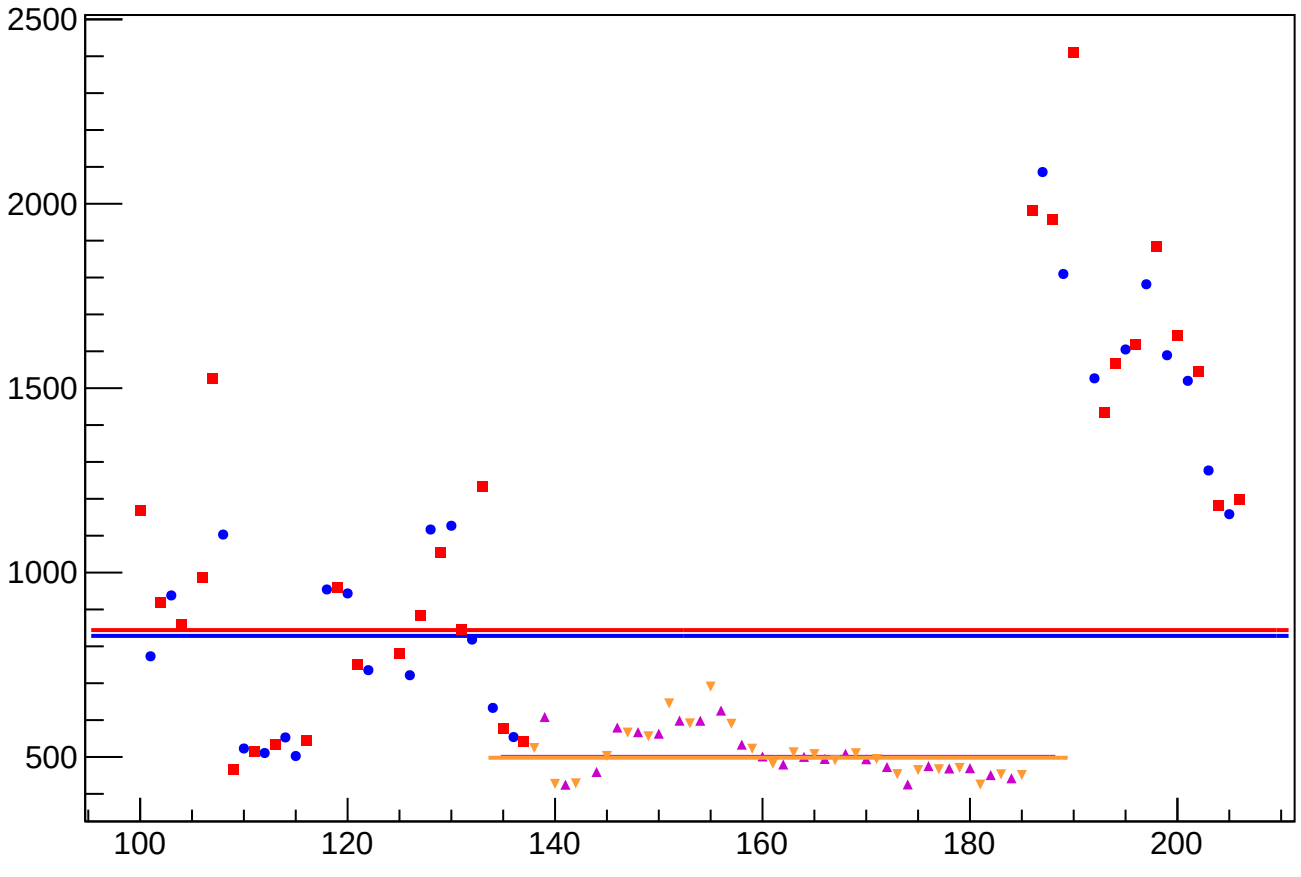
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 82.057+/-168.198 χ^2/NDF: 55.3/53

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -259.856+/-104.486 χ^2/NDF:96.5/52

All: -140.491+/-74.368 χ^2/NDF: 161.1/100



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

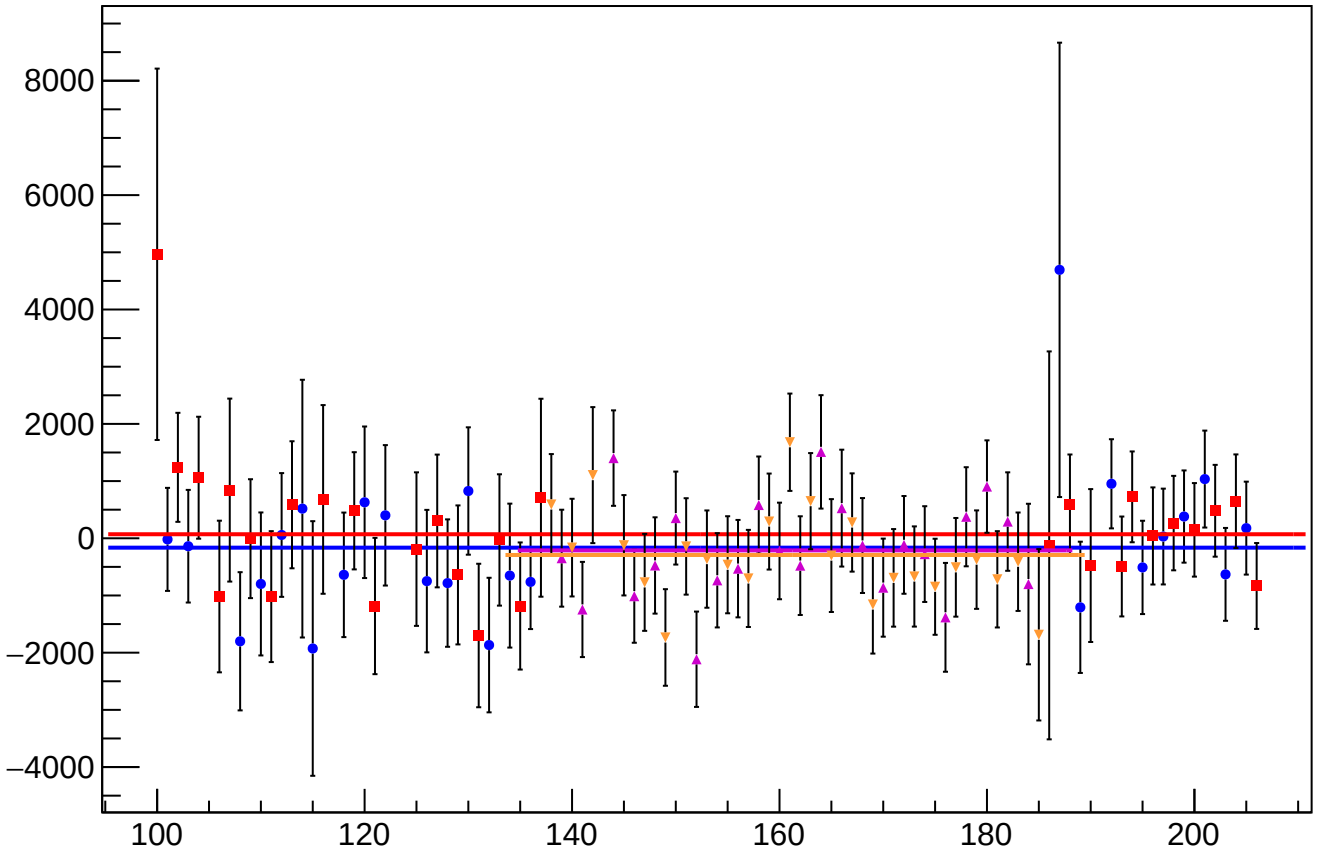
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 836.411+/-0.119 χ^2/NDF: 10359086.4/53

In: 563.404+/-0.075 χ^2/NDF:7879357.7/47

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10



Right In: -163.914+/-206.898 χ^2/NDF: 15.3/24

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: 70.702+/-195.766 χ^2/NDF: 15.8/28

Left In: -211.238+/-180.951 χ^2/NDF:22.1/22

Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

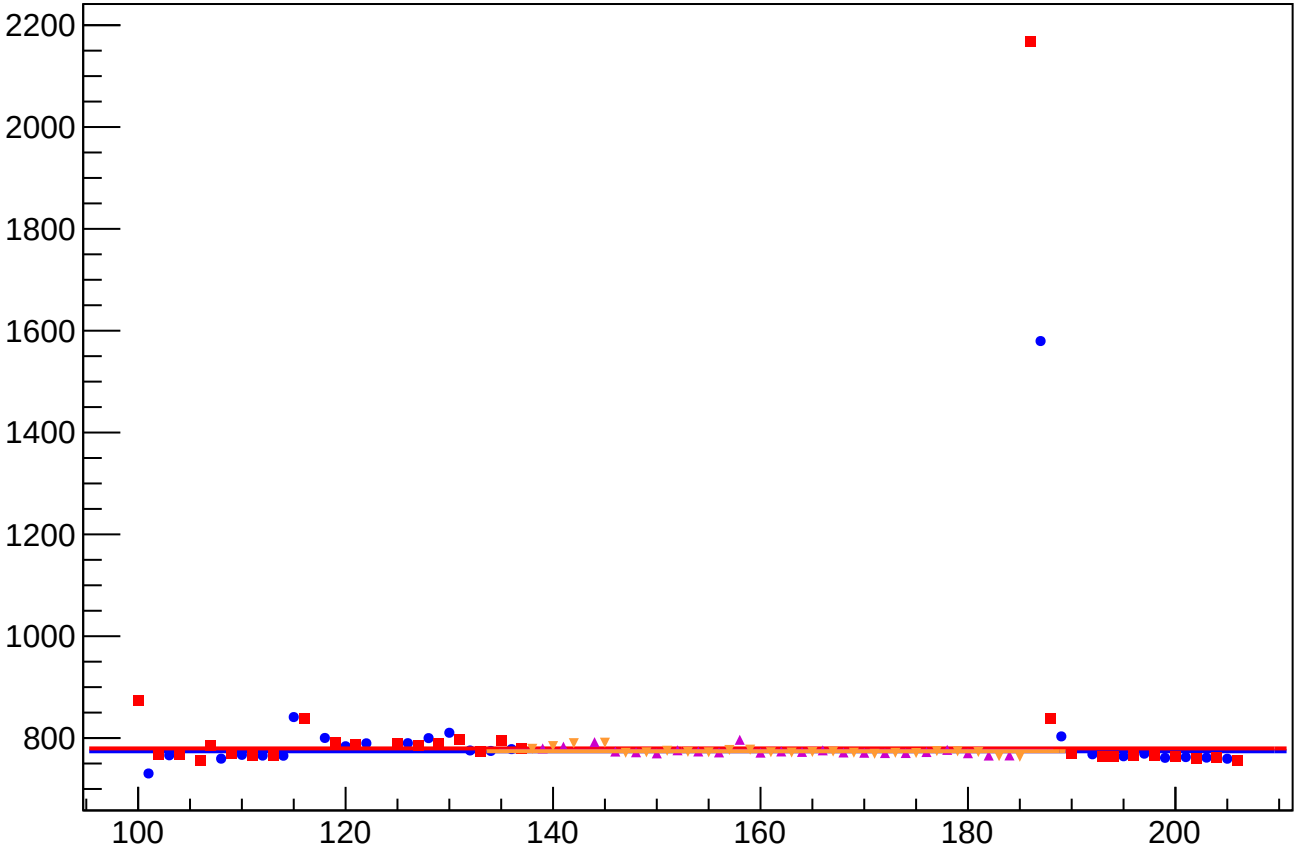
Right: -40.125+/-142.200 χ^2/NDF: 31.8/53

In: -190.728+/-136.207 χ^2/NDF:37.5/47

Out: -126.190+/-132.371 χ^2/NDF:34.3/52

All: -157.537+/-94.928 χ^2/NDF: 71.9/100

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.028+/-0.146 χ^2/NDF: 98351.2/24

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

Right Out: 779.624+/-0.138 χ^2/NDF: 359188.8/28

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

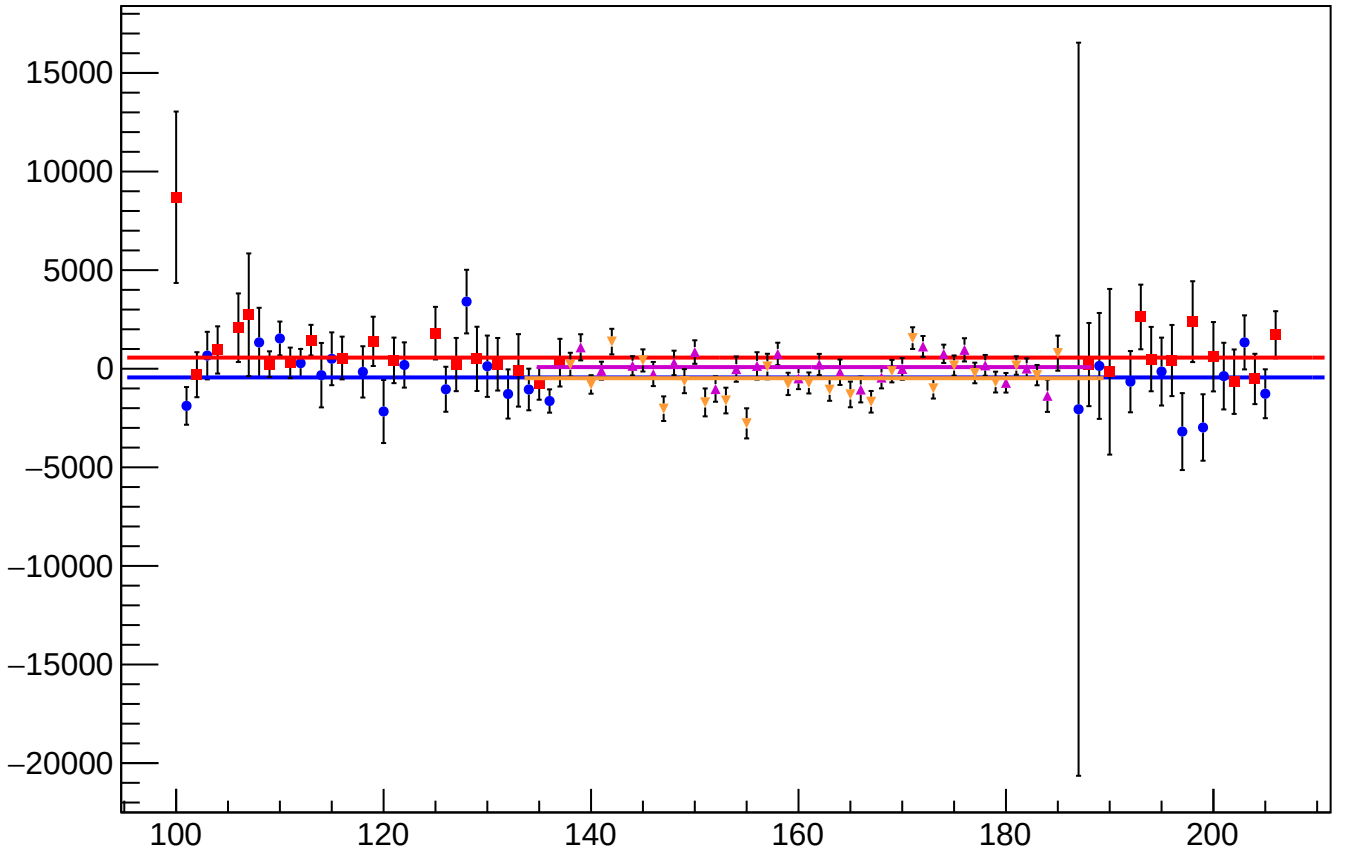
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 776.981+/-0.101 χ^2/NDF: 458312.2/53

In: 774.573+/-0.096 χ^2/NDF:101523.9/47

Out: 776.648+/-0.094 χ^2/NDF:362100.6/52

All: 775.640+/-0.067 χ^2/NDF: 463863.4/100



Right In: -441.084+/-242.115 χ^2/NDF: 29.9/24

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

Right Out: 564.590+/-235.628 χ^2/NDF: 16.1/27

Left In: 83.196+/-118.194 χ^2/NDF:28.2/22

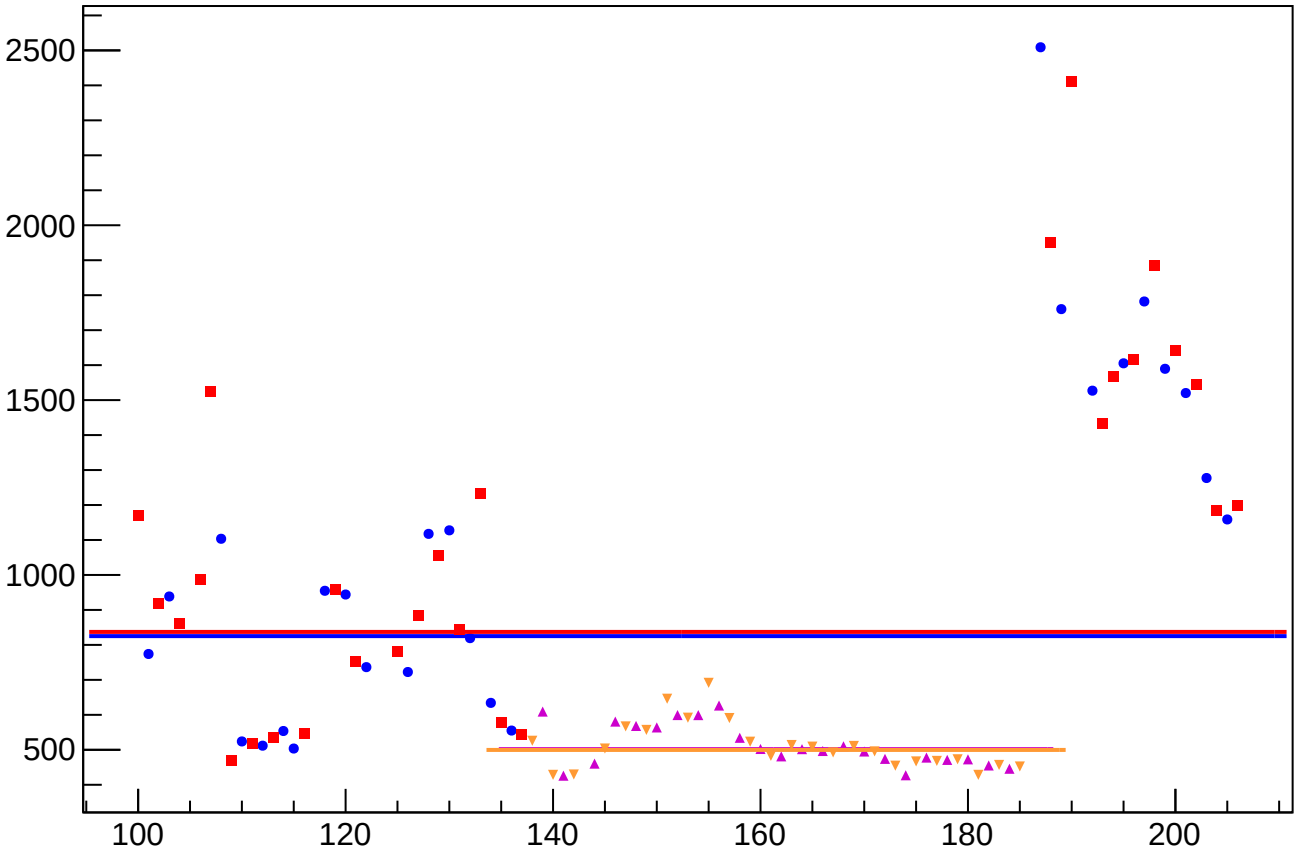
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 75.406+/-168.861 χ^2/NDF: 54.9/52

In: -17.701+/-106.214 χ^2/NDF:62.0/47

Out: -274.185+/-104.858 χ^2/NDF:95.4/51

All: -147.590+/-74.621 χ^2/NDF: 160.3/99



Right In: 825.088+/-0.171 χ^2/NDF: 4220075.9/24

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

Right Out: 837.150+/-0.167 χ^2/NDF: 5575691.3/27

Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

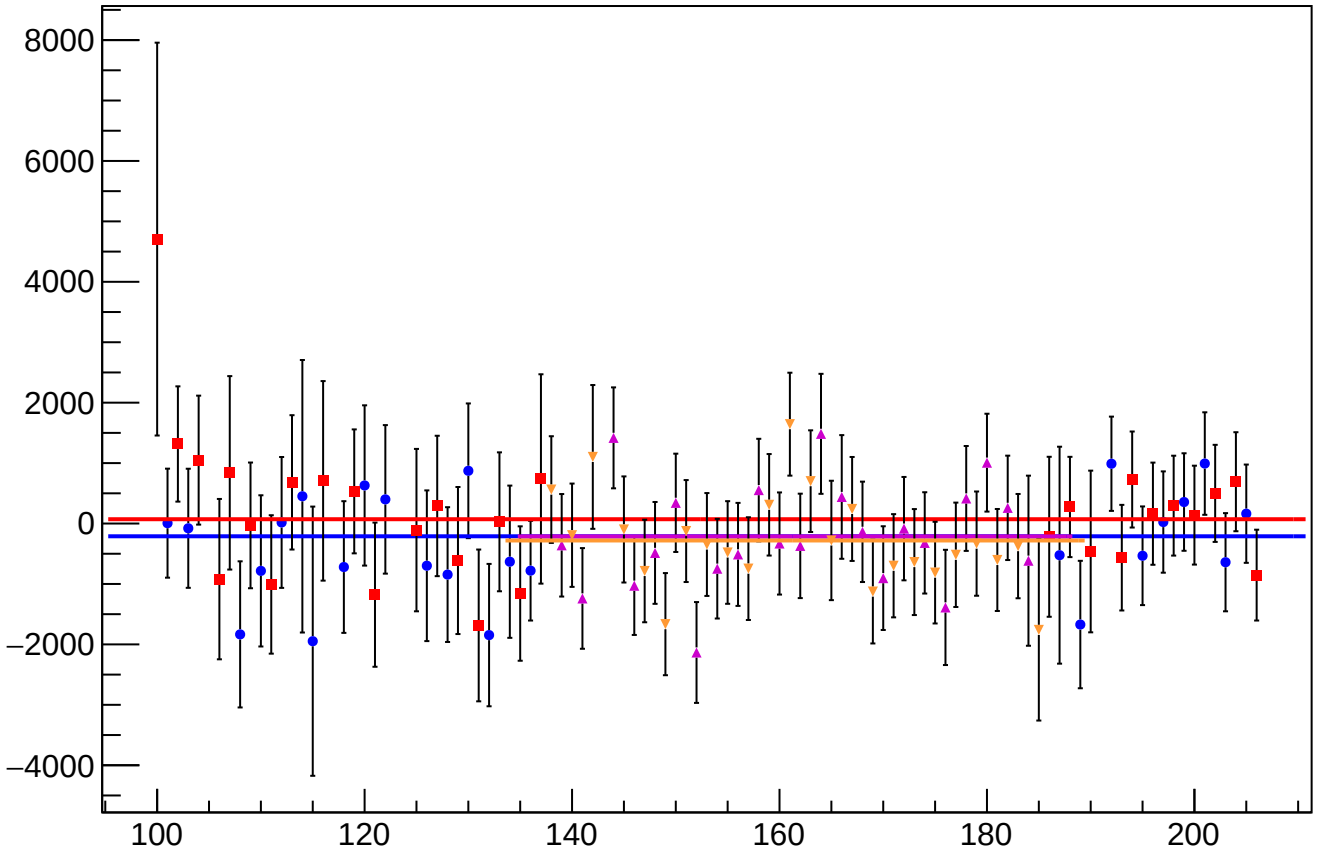
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 831.282+/-0.119 χ^2/NDF: 9798316.6/52

In: 564.199+/-0.075 χ^2/NDF:7563108.4/47

Out: 566.504+/-0.074 χ^2/NDF:9382217.7/51

All: 565.366+/-0.053 χ^2/NDF: 16945803.0/99



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 71.352+/-193.556 χ^2/NDF: 15.7/28

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

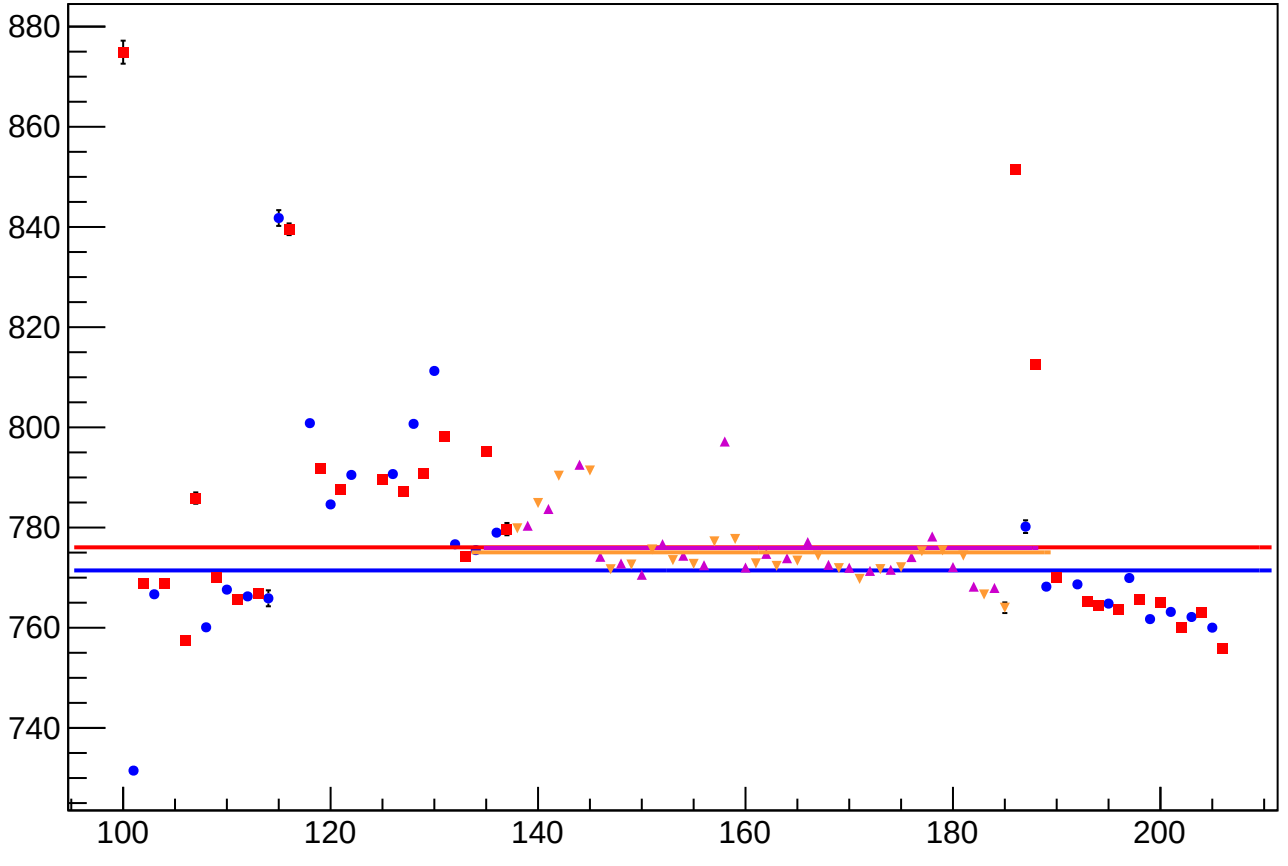
Right: -61.502+/-140.858 χ^2/NDF: 31.8/53

In: -212.397+/-135.862 χ^2/NDF:37.5/47

Out: -117.369+/-131.764 χ^2/NDF:33.5/52

All: -163.429+/-94.587 χ^2/NDF: 71.3/100

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

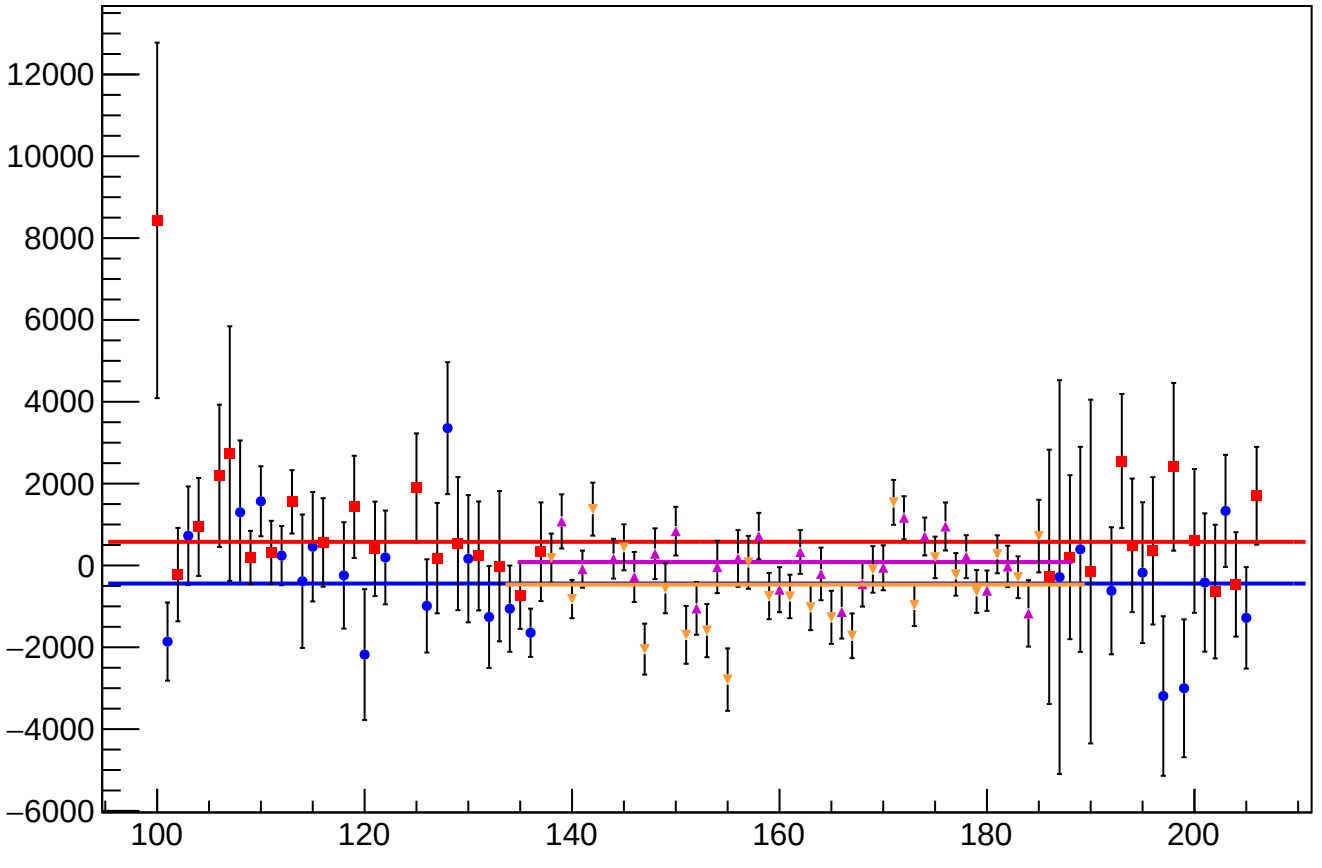
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.882+/-0.100 χ^2/NDF: 38331.5/53

In: 773.961+/-0.096 χ^2/NDF:17861.9/47

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: 576.963+/-234.498 χ^2/NDF: 16.2/28

Left In: 83.154+/-117.808 χ^2/NDF:28.1/22

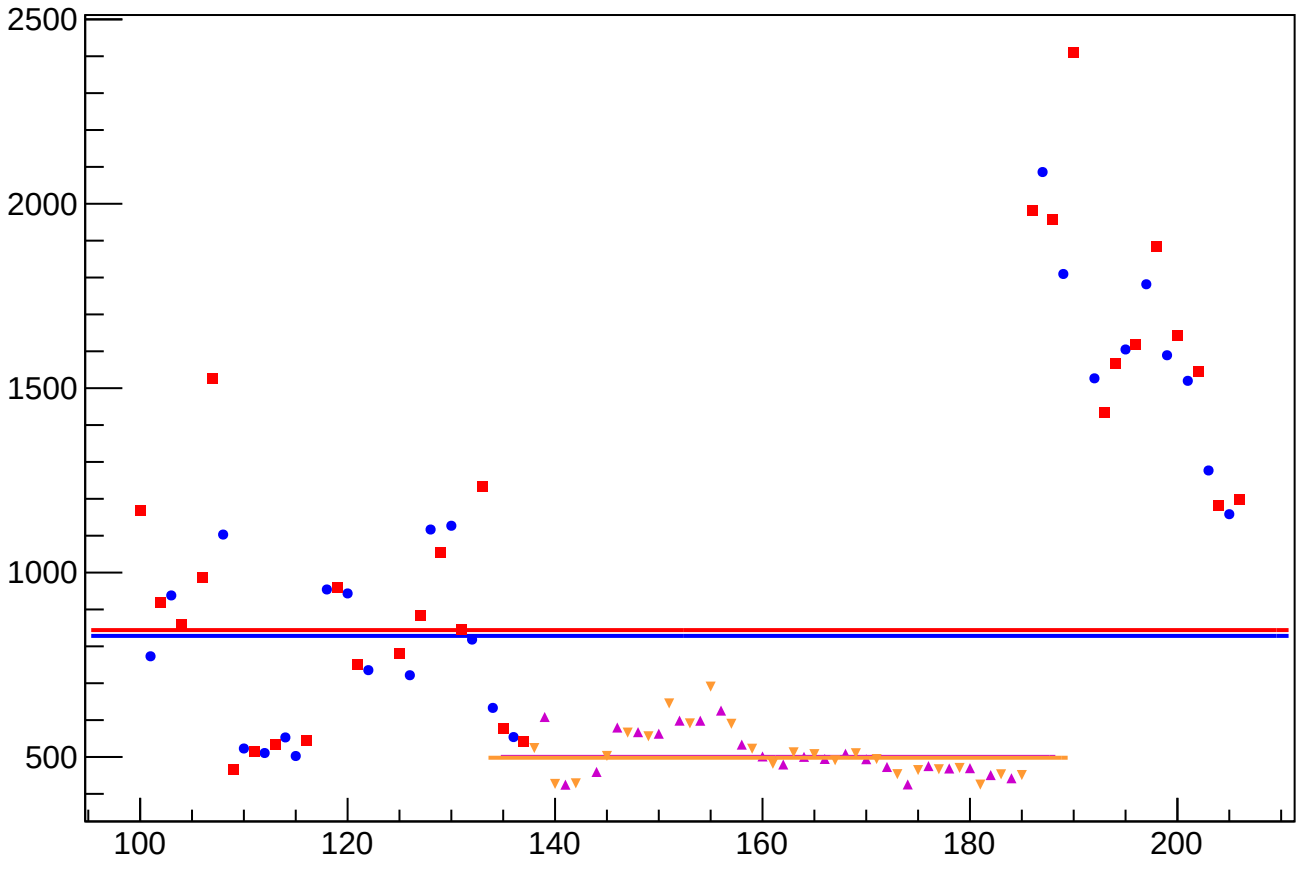
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 82.057+/-168.198 χ^2/NDF: 55.3/53

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -259.856+/-104.486 χ^2/NDF:96.5/52

All: -140.491+/-74.368 χ^2/NDF: 161.1/100



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

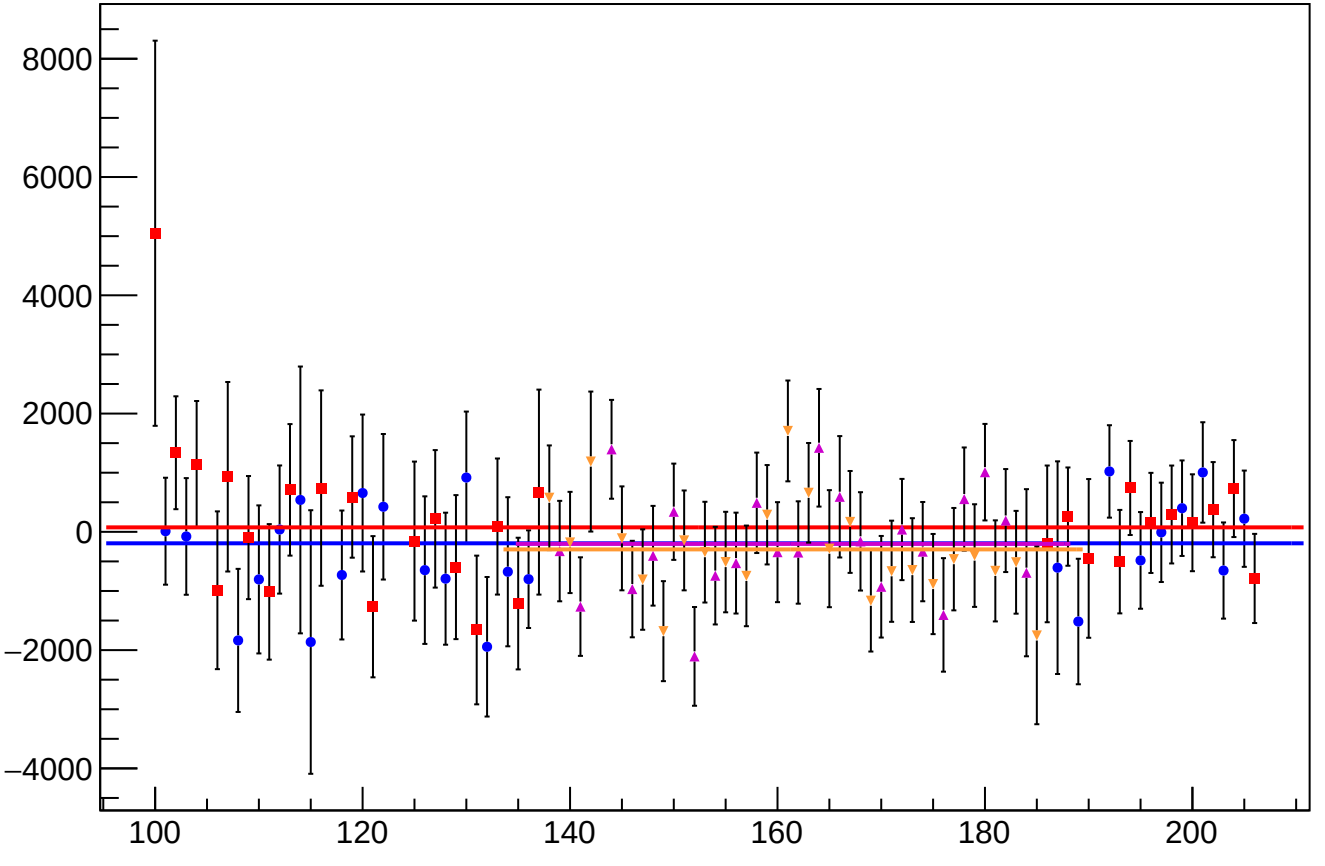
Right: 836.411+/-0.119 χ^2/NDF: 10359086.4/53

In: 563.404+/-0.075 χ^2/NDF:7879357.7/47

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -193.826+/-205.654 χ^2/NDF: 15.4/24

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: 75.748+/-193.810 χ^2/NDF: 16.2/28

Left In: -203.339+/-181.548 χ^2/NDF:22.1/22

Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

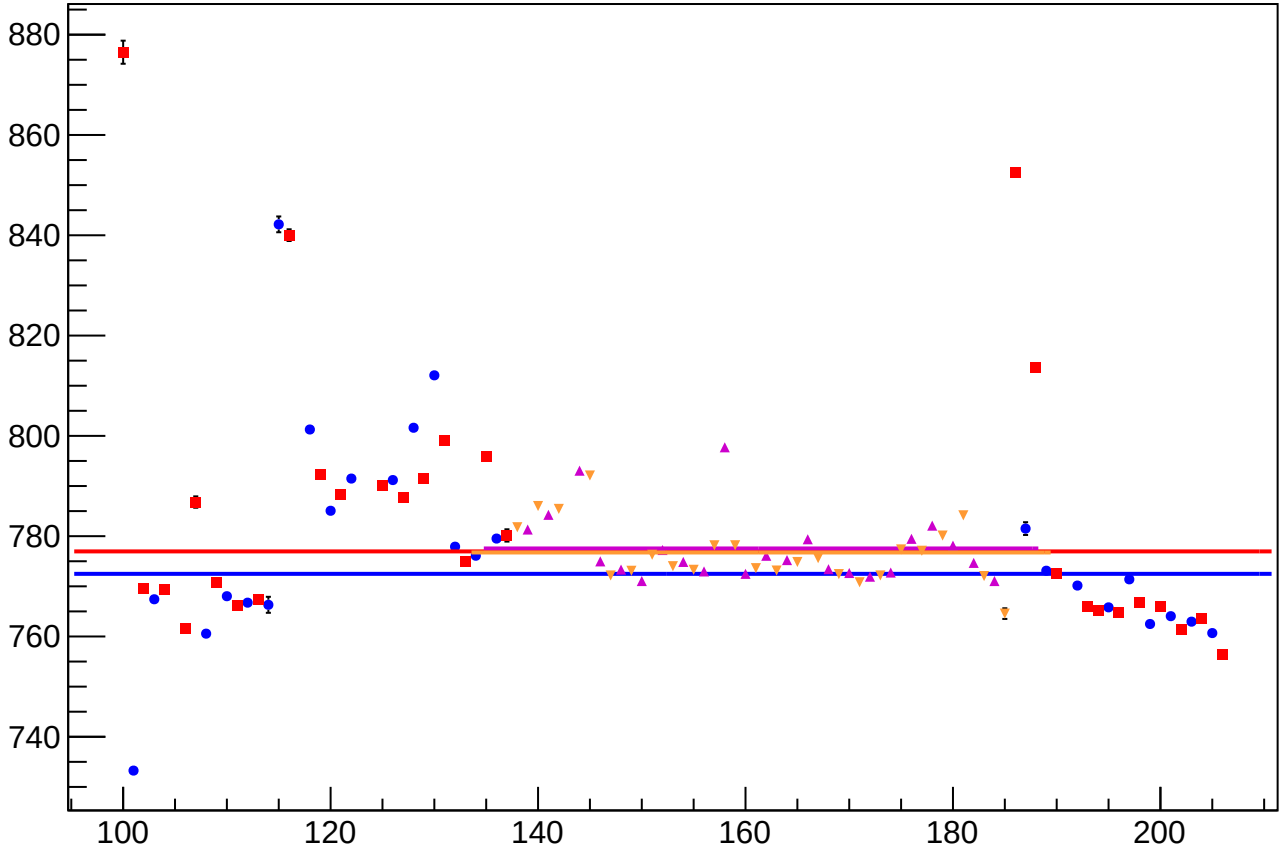
Right: -51.053+/-141.046 χ^2/NDF: 32.5/53

In: -199.172+/-136.103 χ^2/NDF:37.5/47

Out: -123.966+/-132.001 χ^2/NDF:34.9/52

All: -160.419+/-94.756 χ^2/NDF: 72.5/100

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.489+/-0.145 χ^2/NDF: 14052.5/24

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

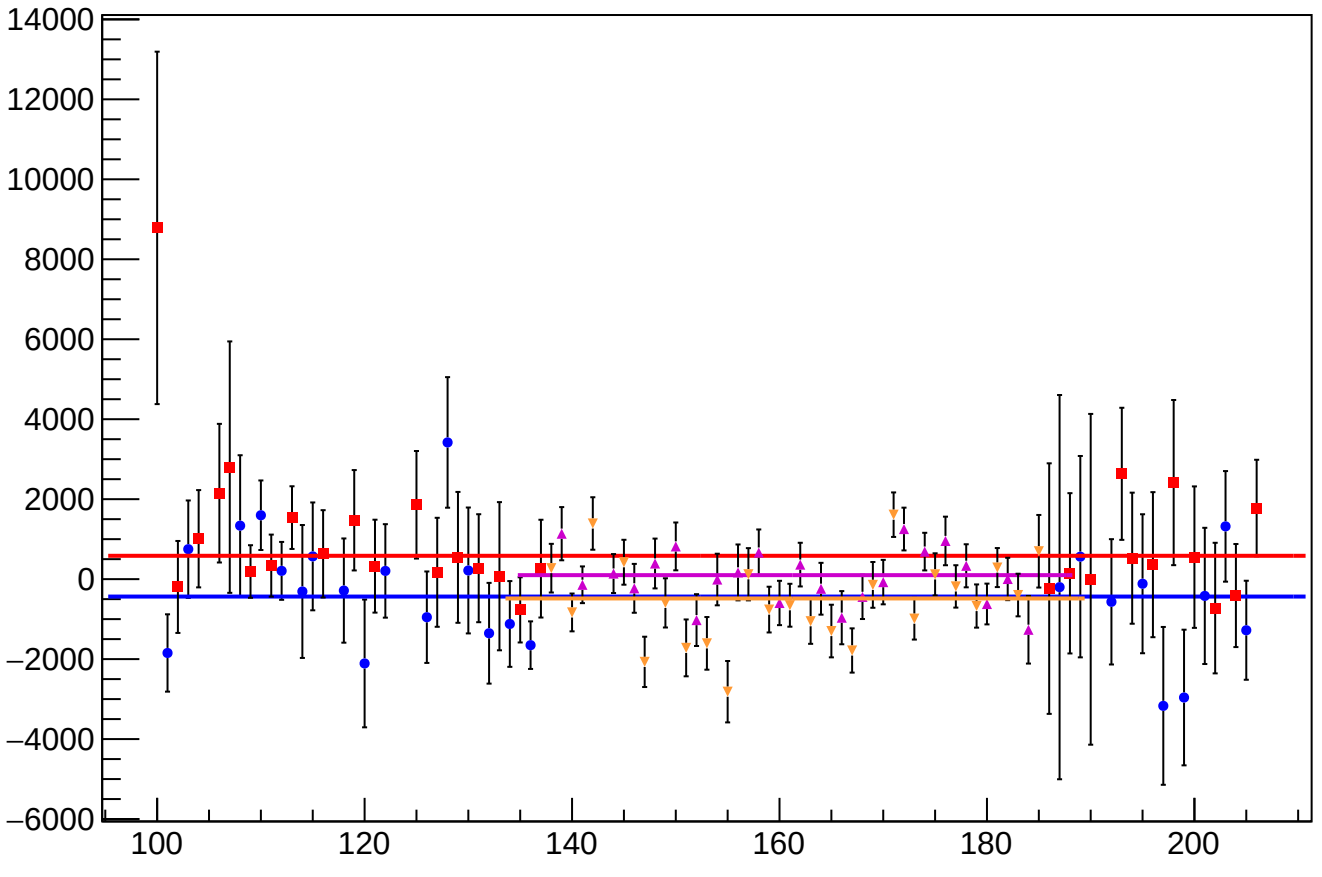
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.859+/-0.100 χ^2/NDF: 37805.2/53

In: 775.333+/-0.096 χ^2/NDF:17483.8/47

Out: 776.850+/-0.093 χ^2/NDF:25078.8/52

All: 776.115+/-0.067 χ^2/NDF: 42690.6/100



Right In: -435.460+/-243.610 χ^2/NDF: 29.8/24

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: 584.023+/-236.490 χ^2/NDF: 16.5/28

Left In: 99.985+/-119.677 χ^2/NDF:27.4/22

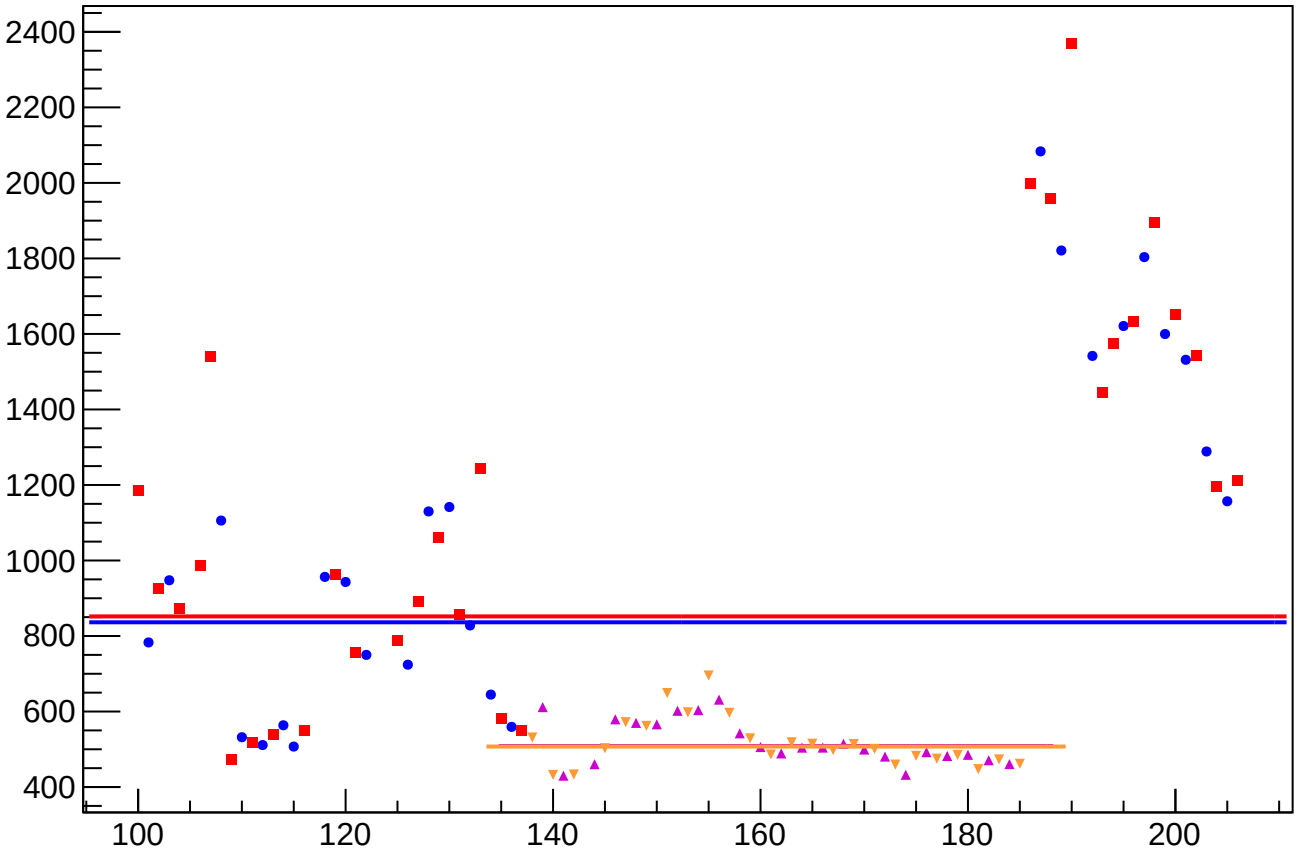
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 89.399+/-169.685 χ^2/NDF: 55.3/53

In: -4.115+/-107.415 χ^2/NDF:61.1/47

Out: -267.885+/-106.162 χ^2/NDF:97.9/52

All: -137.547+/-75.507 χ^2/NDF: 162.0/100



Right In: 836.326+/-0.172 χ^2/NDF: 4404337.0/24

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

Right Out: 851.915+/-0.167 χ^2/NDF: 5897448.3/28

Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

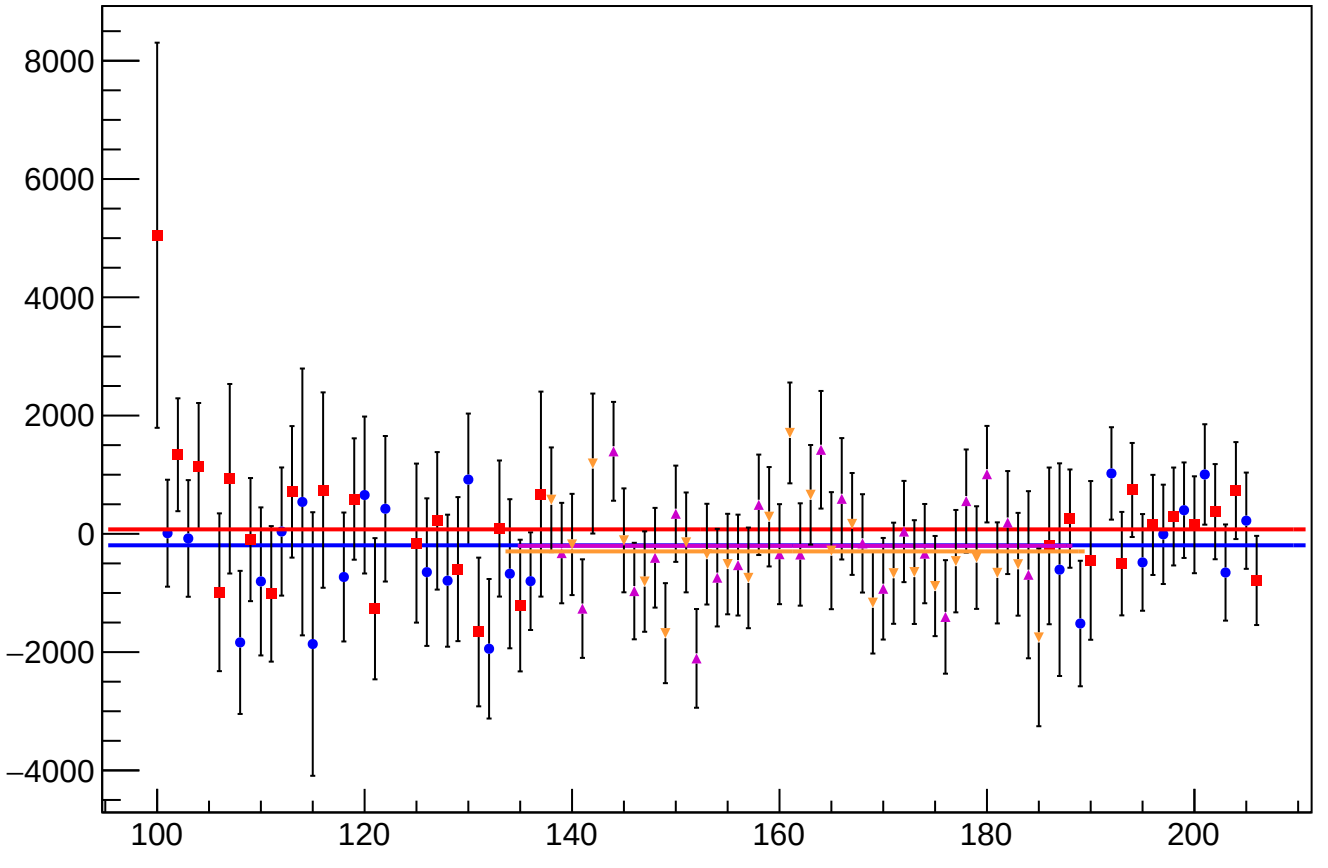
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 844.352+/-0.120 χ^2/NDF: 10306001.6/53

In: 572.347+/-0.076 χ^2/NDF:7751985.2/47

Out: 576.761+/-0.075 χ^2/NDF:9762147.0/52

All: 574.580+/-0.053 χ^2/NDF: 17515840.8/10



Right In: -193.826+/-205.654 χ^2/NDF: 15.4/24

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: 75.749+/-193.810 χ^2/NDF: 16.2/28

Left In: -203.338+/-181.548 χ^2/NDF:22.1/22

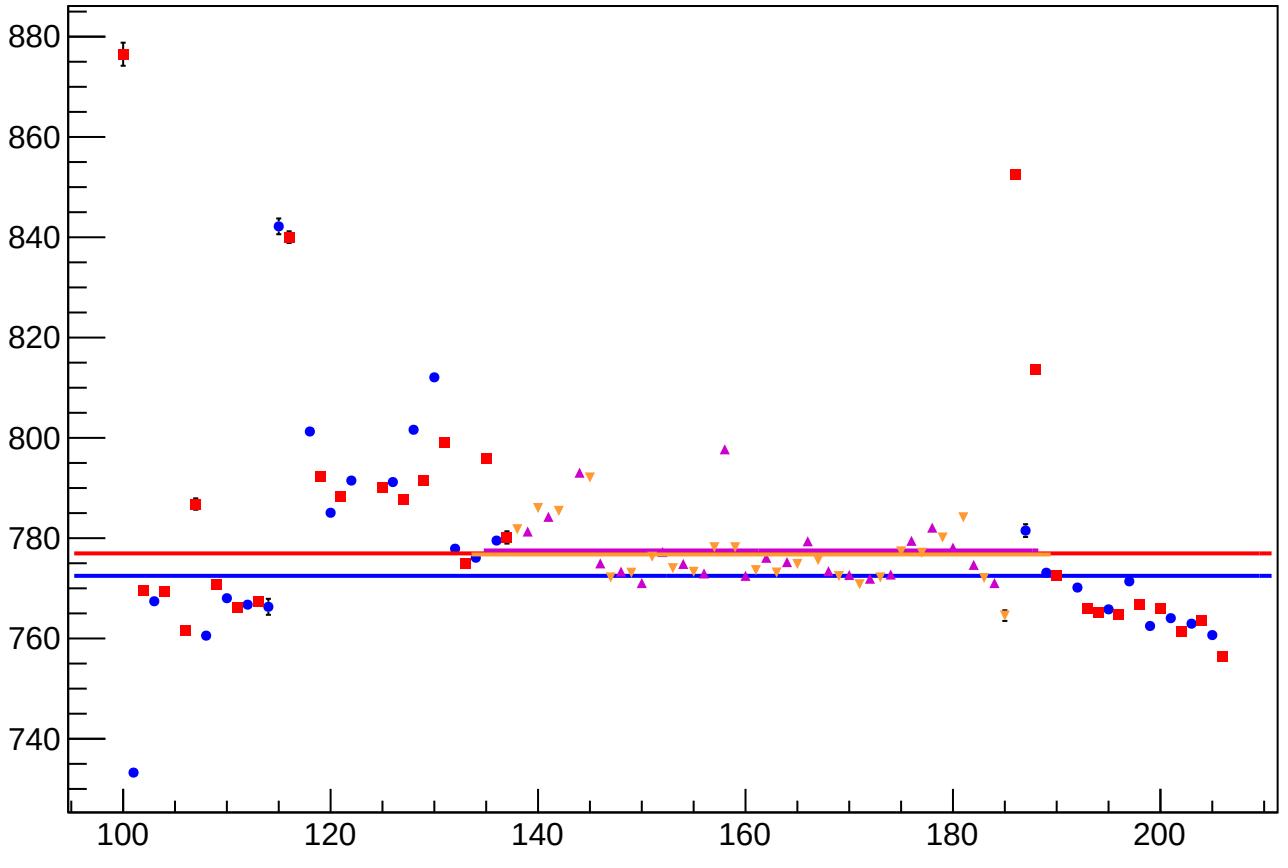
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -51.052+/-141.046 χ^2/NDF: 32.5/53

In: -199.172+/-136.103 χ^2/NDF:37.5/47

Out: -123.966+/-132.001 χ^2/NDF:34.9/52

All: -160.419+/-94.756 χ^2/NDF: 72.5/100



Right In: 772.489+/-0.145 χ^2/NDF: 14052.4/24

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

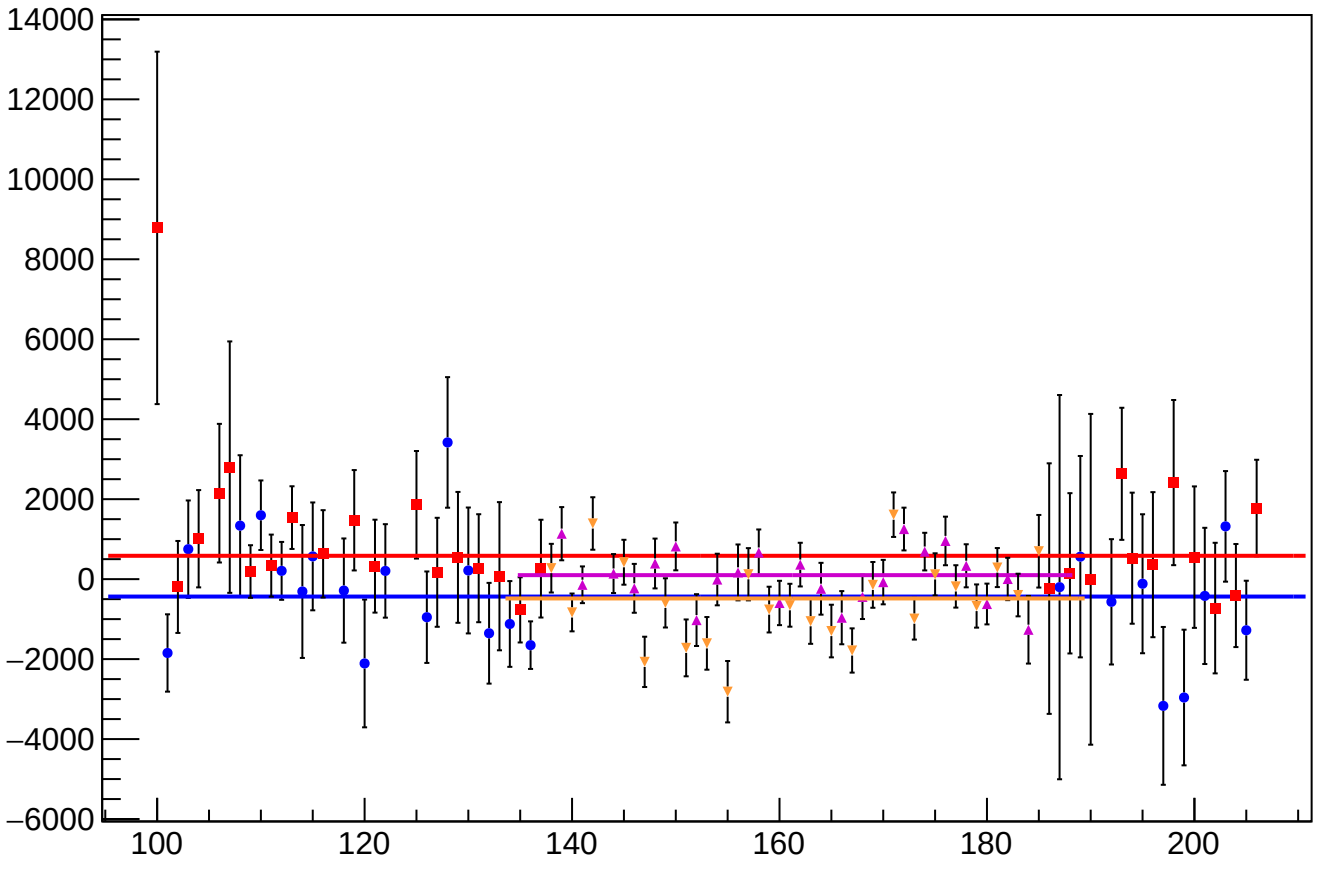
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.859+/-0.100 χ^2/NDF: 37805.1/53

In: 775.333+/-0.096 χ^2/NDF:17483.7/47

Out: 776.850+/-0.093 χ^2/NDF:25078.8/52

All: 776.115+/-0.067 χ^2/NDF: 42690.5/100



Right In: -435.455+/-243.609 χ^2/NDF: 29.8/24

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: 584.022+/-236.489 χ^2/NDF: 16.5/28

Left In: 99.985+/-119.677 χ^2/NDF:27.4/22

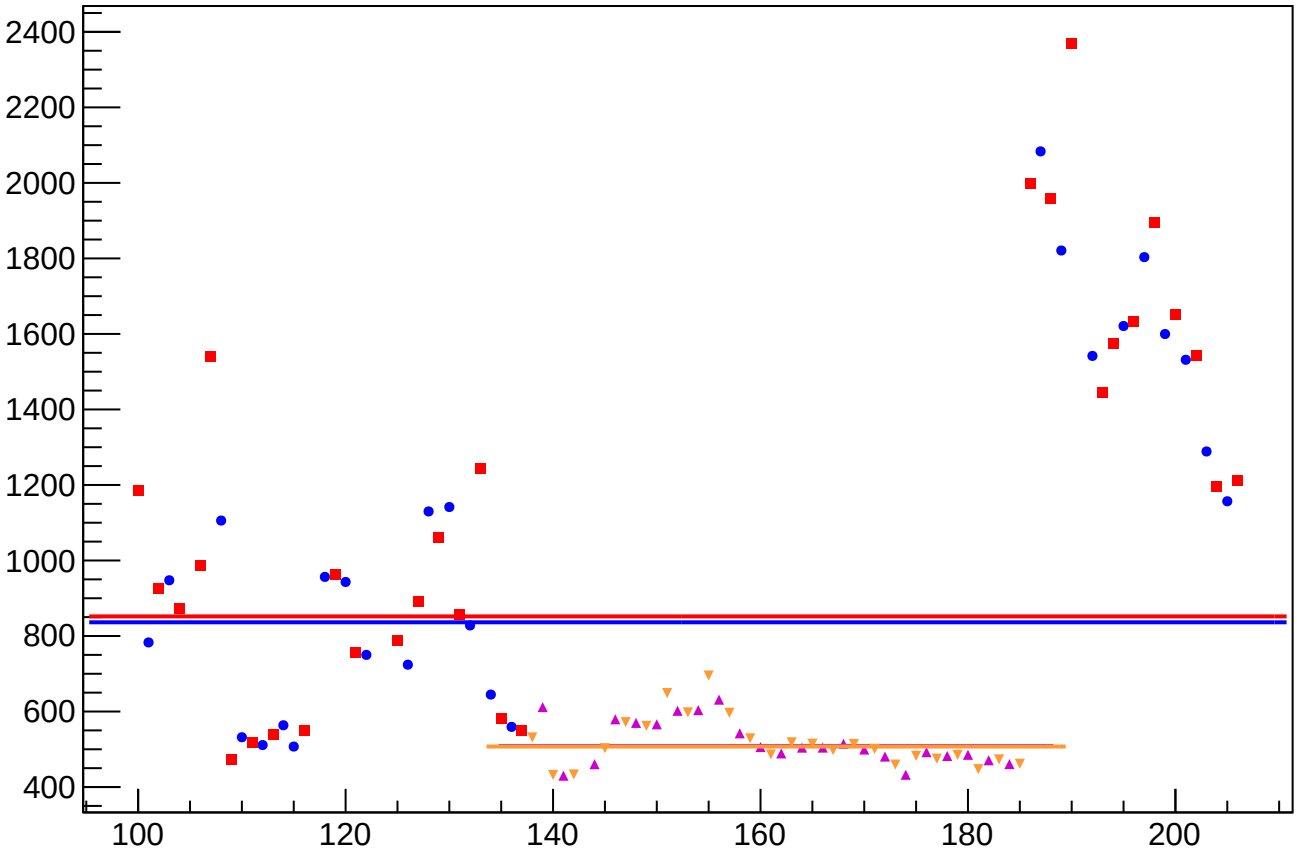
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 89.400+/-169.684 χ^2/NDF: 55.3/53

In: -4.115+/-107.415 χ^2/NDF:61.1/47

Out: -267.884+/-106.162 χ^2/NDF:97.9/52

All: -137.547+/-75.507 χ^2/NDF: 162.0/100



Right In: 836.322+/-0.172 χ^2/NDF: 4404387.4/24

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 851.911+/-0.167 χ^2/NDF: 5897509.6/28

Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

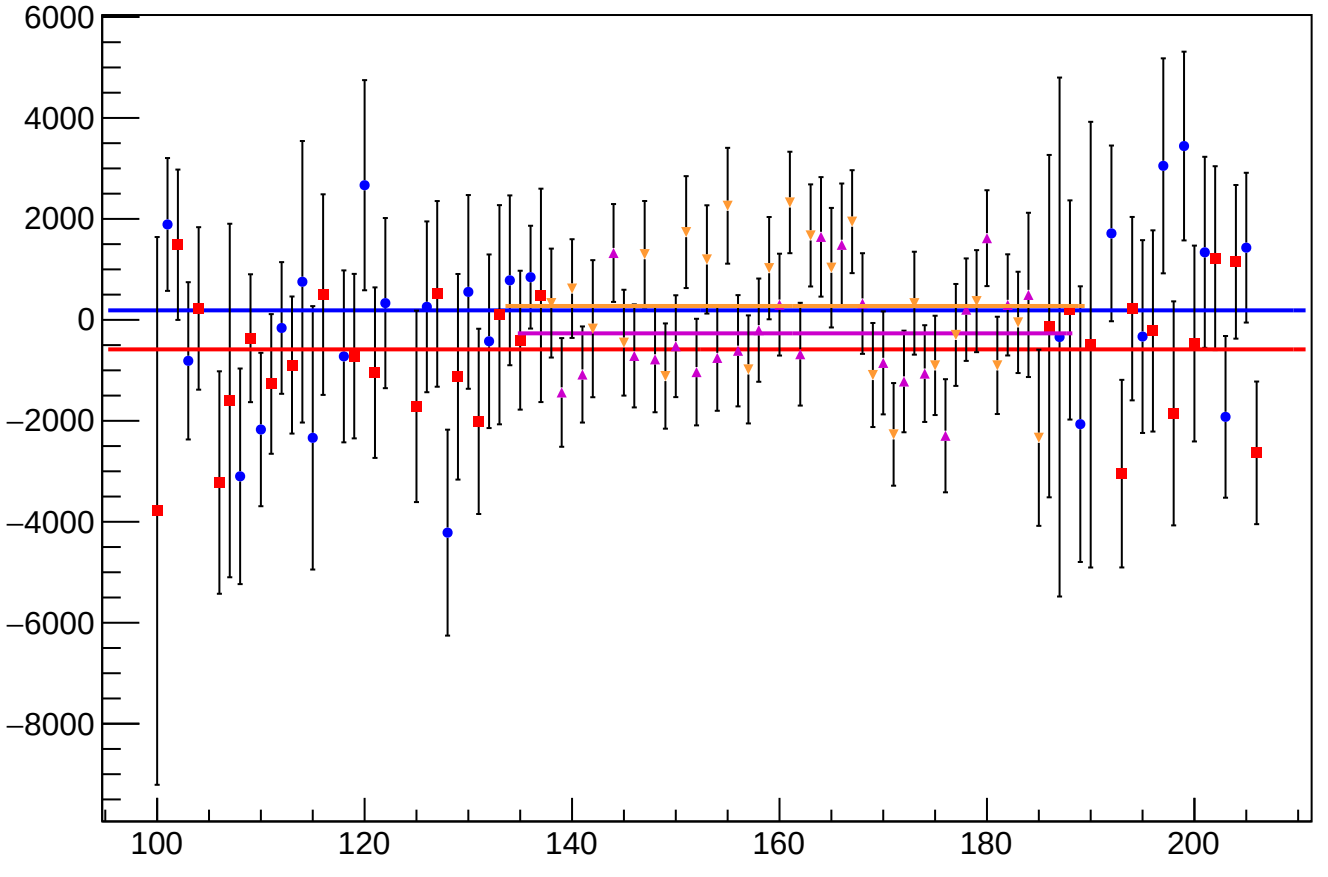
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 844.348+/-0.120 χ^2/NDF: 10306113.5/53

In: 572.346+/-0.076 χ^2/NDF:7751999.5/47

Out: 576.761+/-0.075 χ^2/NDF:9762159.9/52

All: 574.580+/-0.053 χ^2/NDF: 17515868.3/10



Right In: 188.394+/-345.929 χ^2/NDF: 24.2/24

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: -584.633+/-337.069 χ^2/NDF: 13.4/28

Left In: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 5.805+/-153.431 χ^2/NDF: 58.1/46

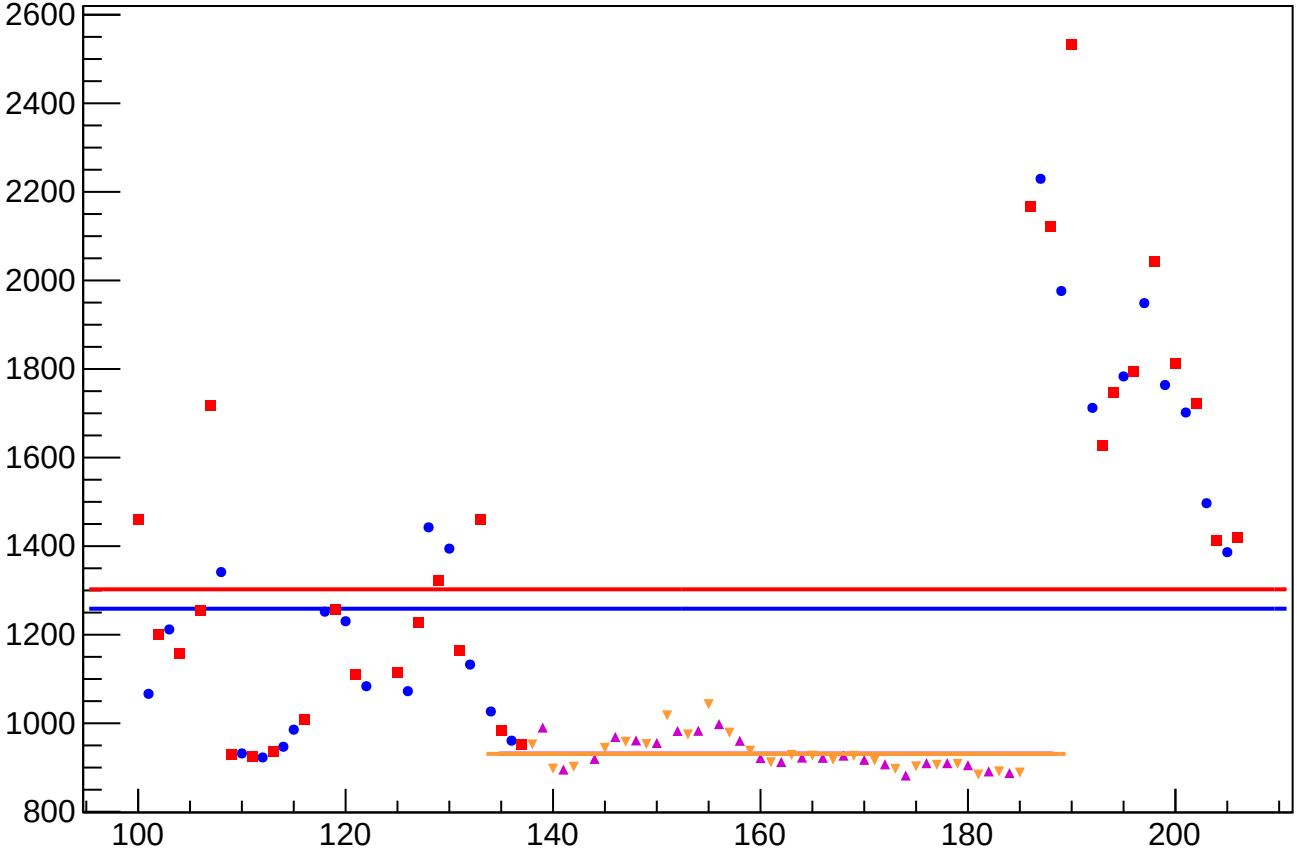
Right: -208.145+/-241.415 χ^2/NDF: 40.1/53

In: -137.864+/-184.241 χ^2/NDF:46.8/47

Out: 24.409+/-182.036 χ^2/NDF:51.6/52

All: -55.751+/-129.492 χ^2/NDF: 98.8/100

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1258.737+/-0.245 χ^2/NDF: 1632775.8/24

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

Right Out: 1302.499+/-0.238 χ^2/NDF: 2167962.8/28

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

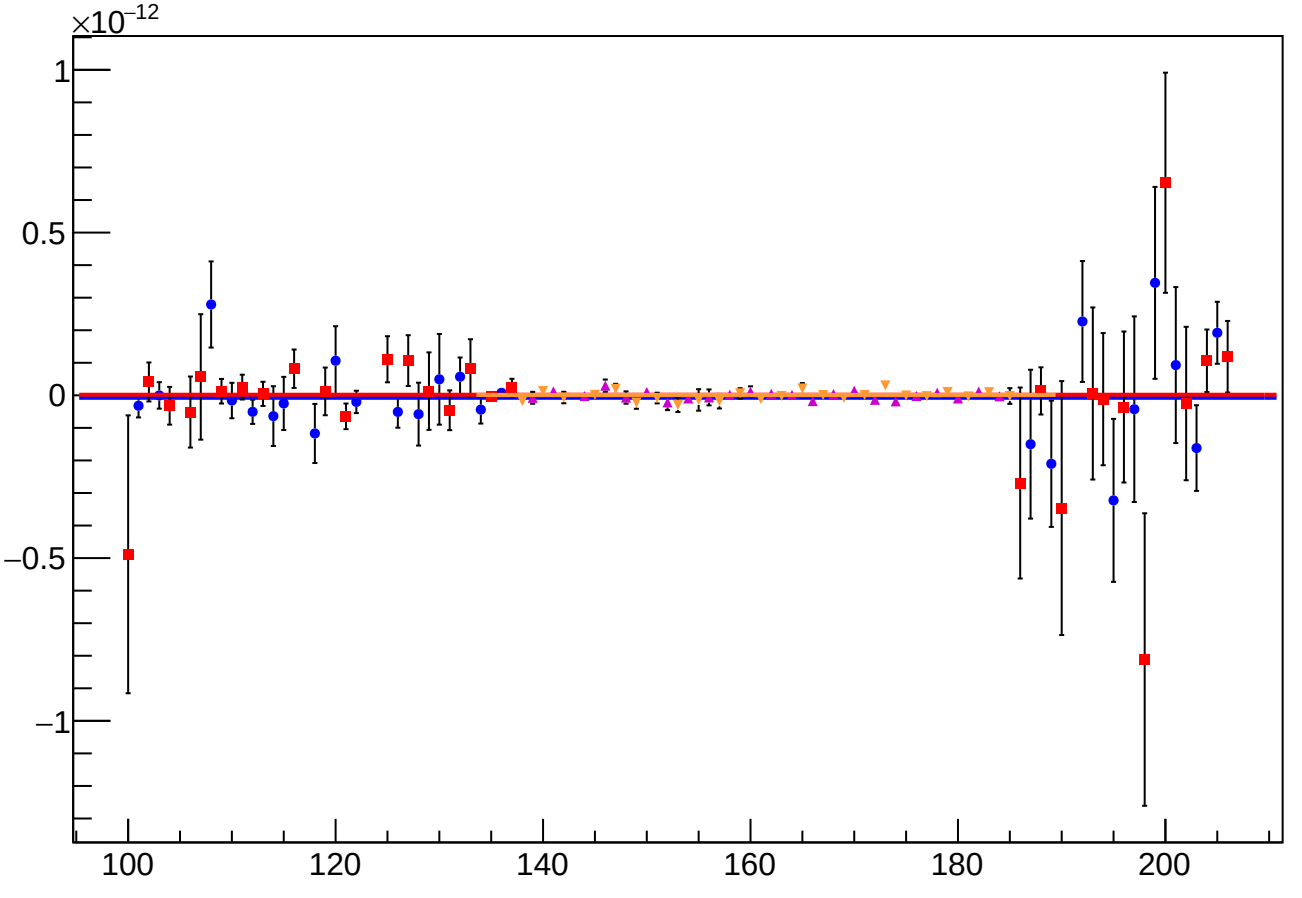
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1281.186+/-0.171 χ^2/NDF: 3817157.5/53

In: 1024.369+/-0.130 χ^2/NDF:2963242.9/47

Out: 1039.296+/-0.129 χ^2/NDF:3951516.4/52

All: 1031.923+/-0.092 χ^2/NDF: 6921401.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/28

Left In: -0.000+/-0.000 χ^2/NDF:22.1/22

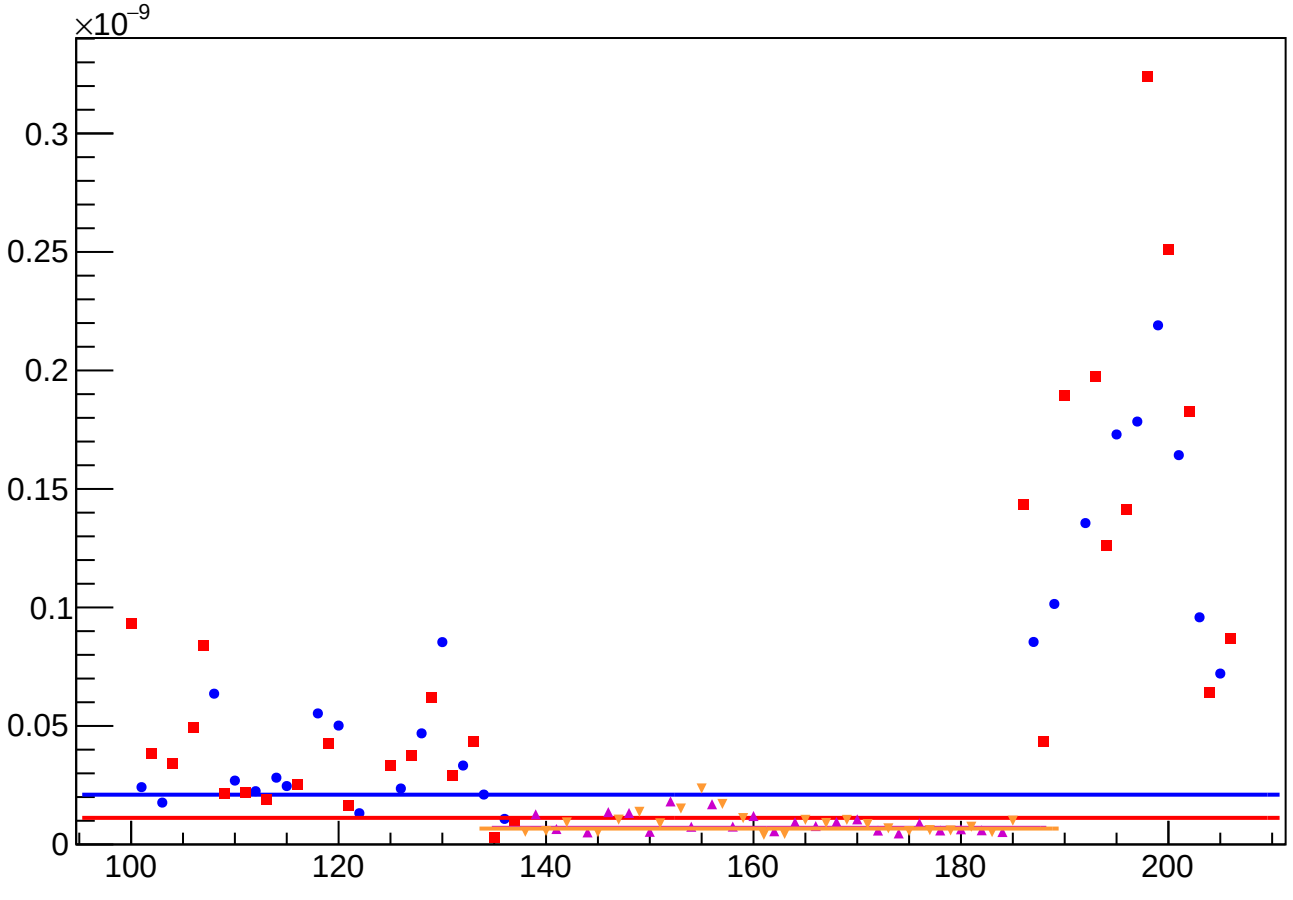
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 51.8/53

In: -0.000+/-0.000 χ^2/NDF:48.5/47

Out: 0.000+/-0.000 χ^2/NDF:51.0/52

All: 0.000+/-0.000 χ^2/NDF: 99.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 7834454.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13342783.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

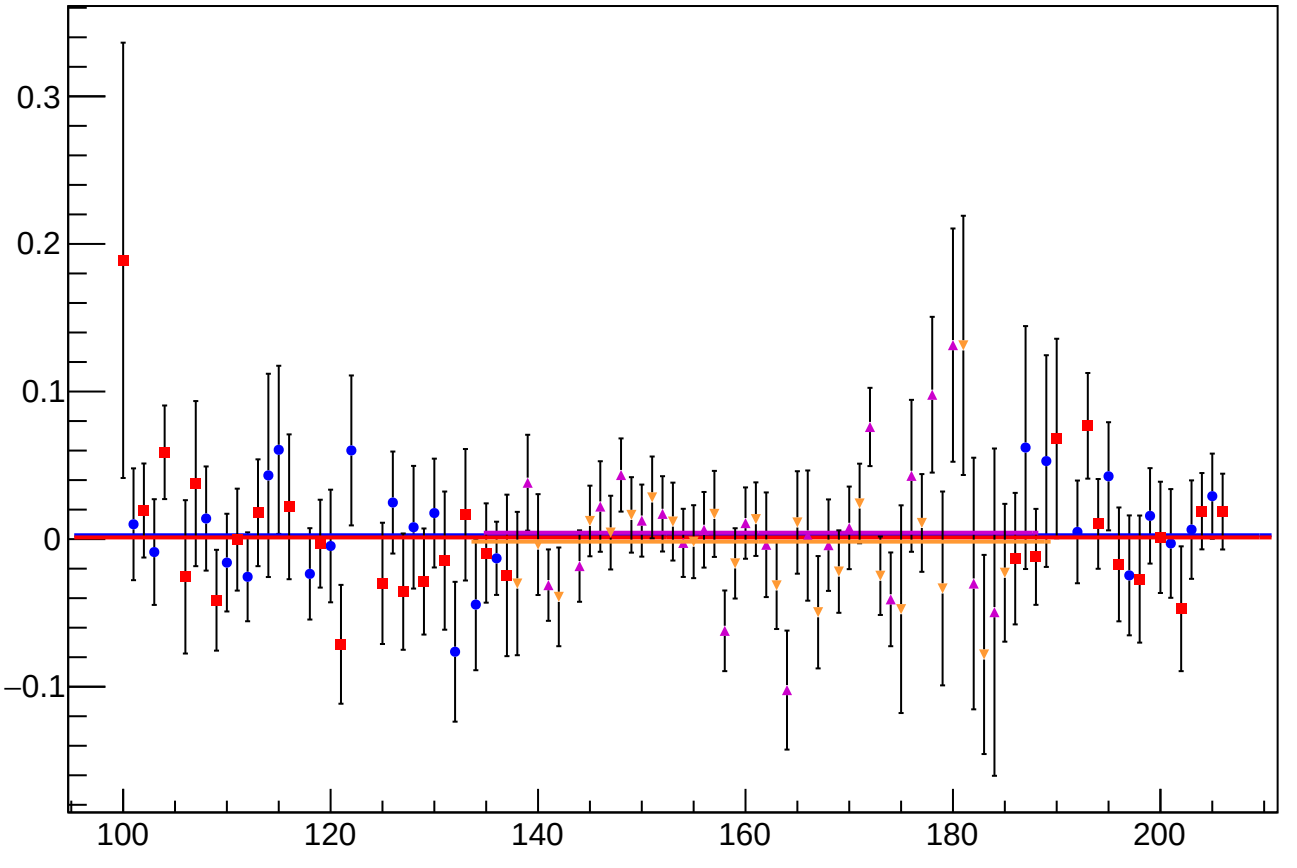
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 22424933.4/53

In: 0.000+/-0.000 χ^2/NDF:13924363.6/47

Out: 0.000+/-0.000 χ^2/NDF:16988042.6/52

All: 0.000+/-0.000 χ^2/NDF: 30994198.6/100



Right In: 0.003+/-0.007 χ^2/NDF: 13.4/24

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

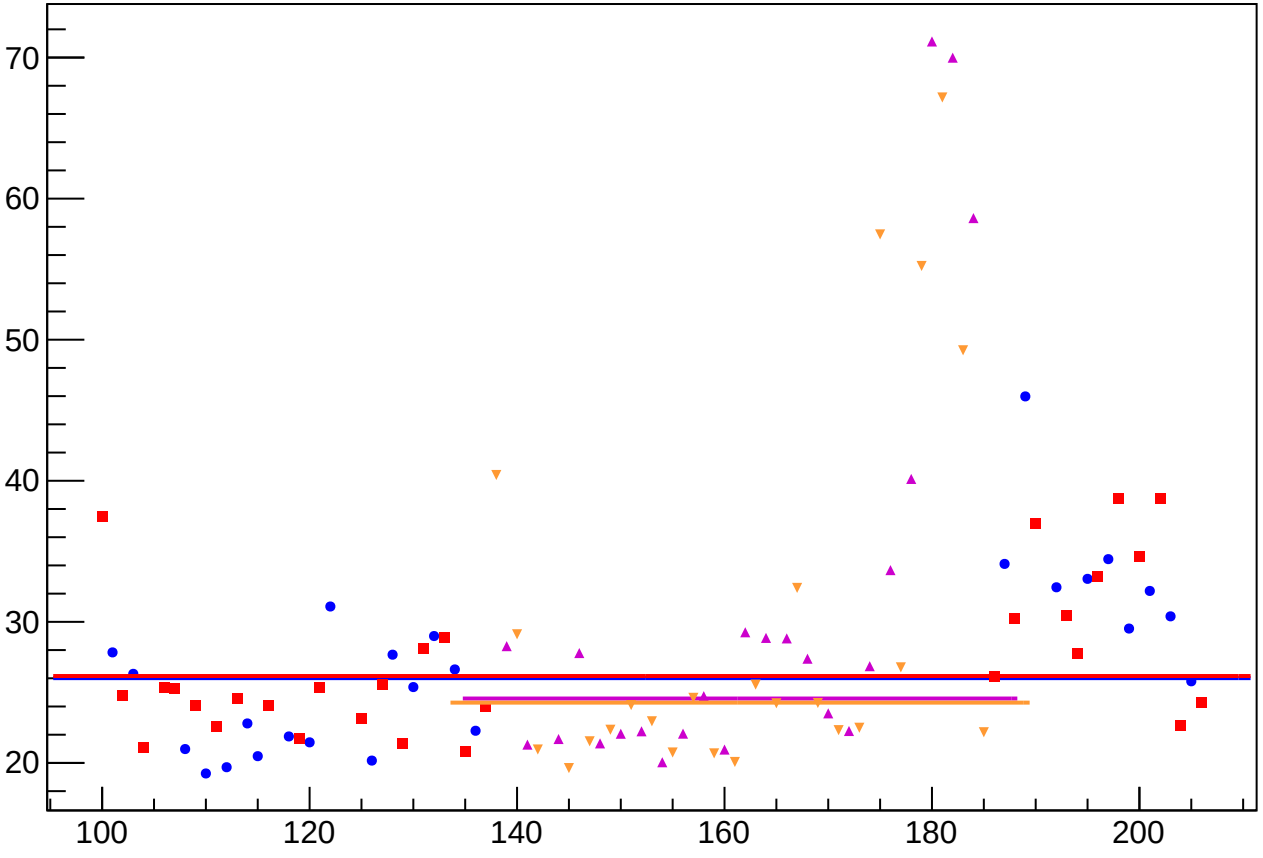
Right: 0.002+/-0.005 χ^2/NDF: 36.0/53

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.002+/-0.003 χ^2/NDF: 87.6/100

asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.011+/-0.005 χ^2/NDF: 956008.1/24

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

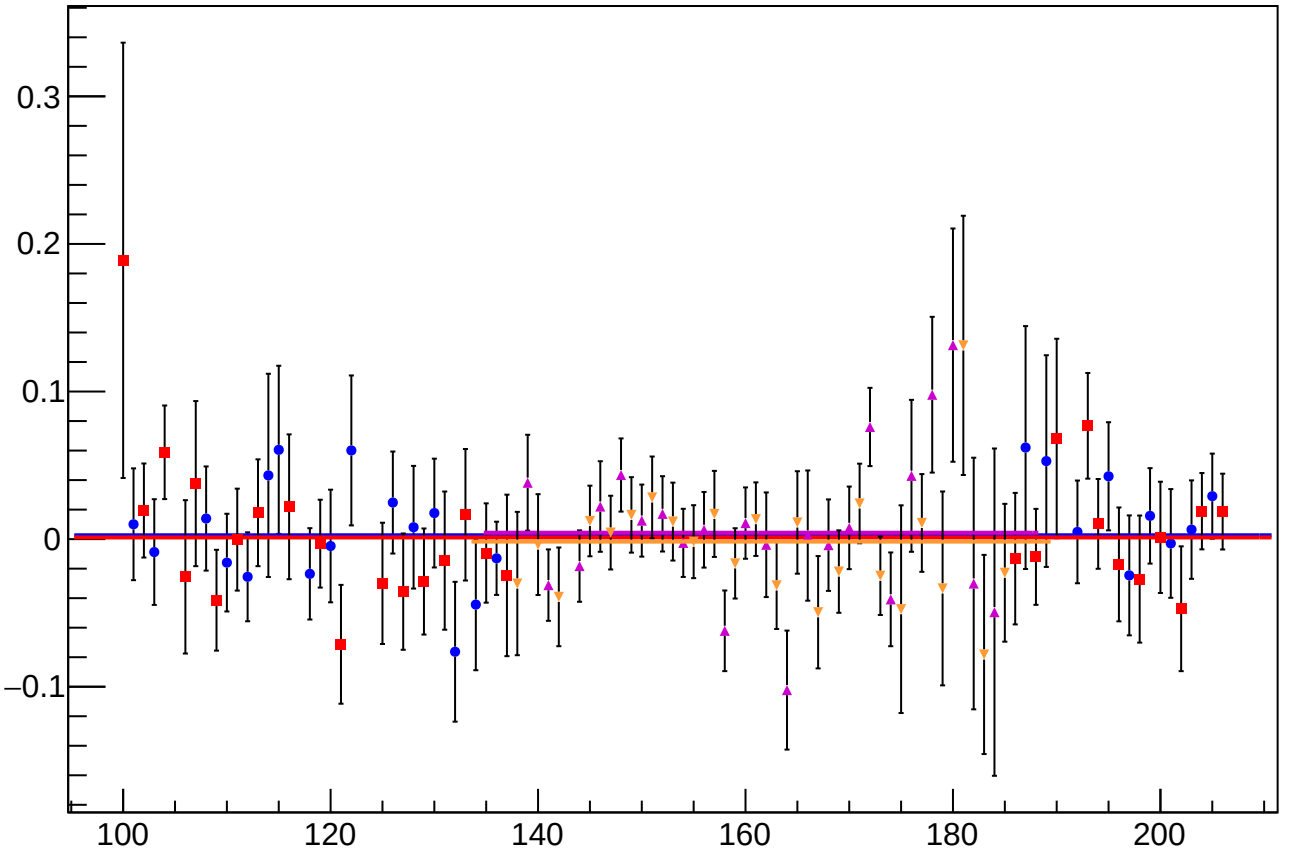
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.090+/-0.004 χ^2/NDF: 1898381.3/53

In: 25.177+/-0.003 χ^2/NDF:3132279.2/47

Out: 25.127+/-0.003 χ^2/NDF:3332613.8/52

All: 25.151+/-0.002 χ^2/NDF: 6464999.7/100



Right In: 0.003+/-0.007 χ^2/NDF: 13.4/24

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

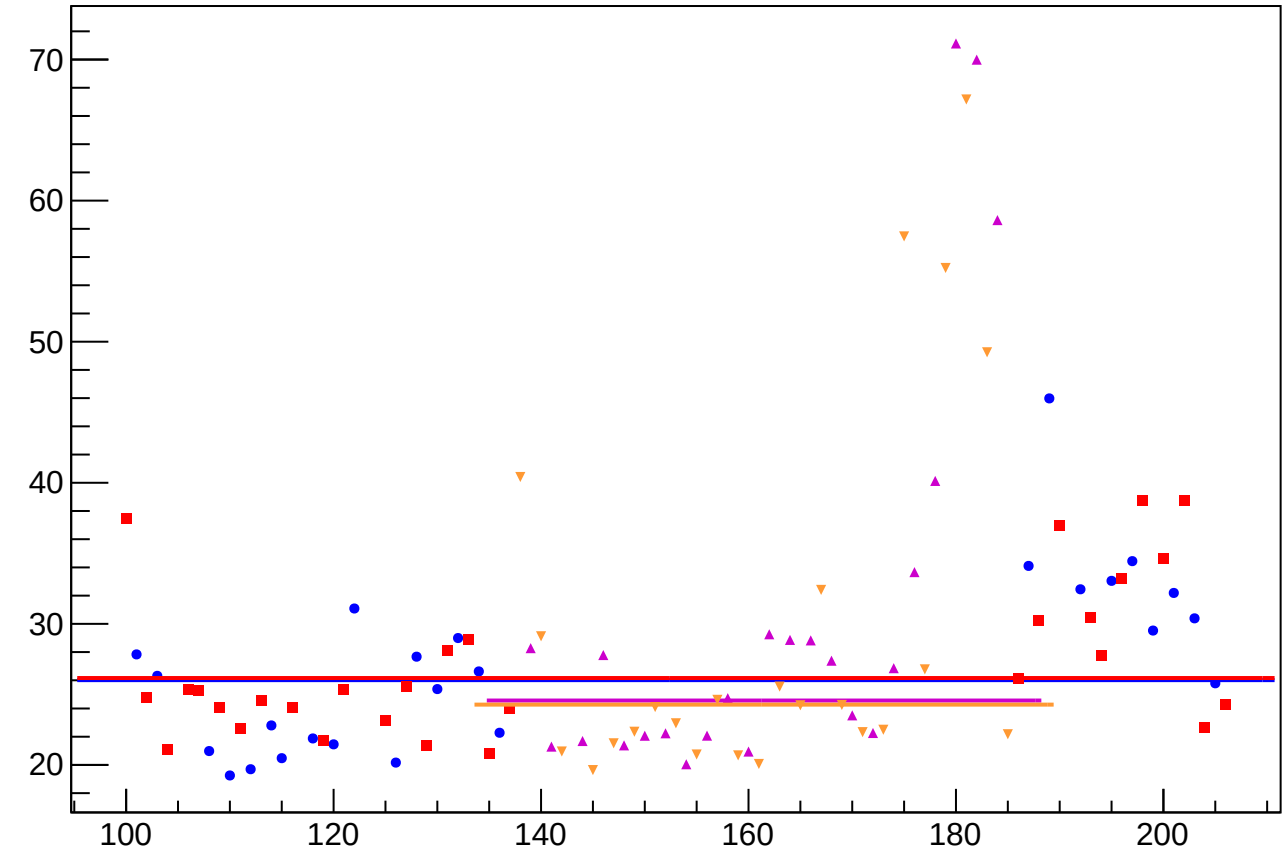
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.002+/-0.005 χ^2/NDF: 36.0/53

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.002+/-0.003 χ^2/NDF: 87.6/100



Right In: 26.011+/-0.005 χ^2/NDF: 956008.1/24

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

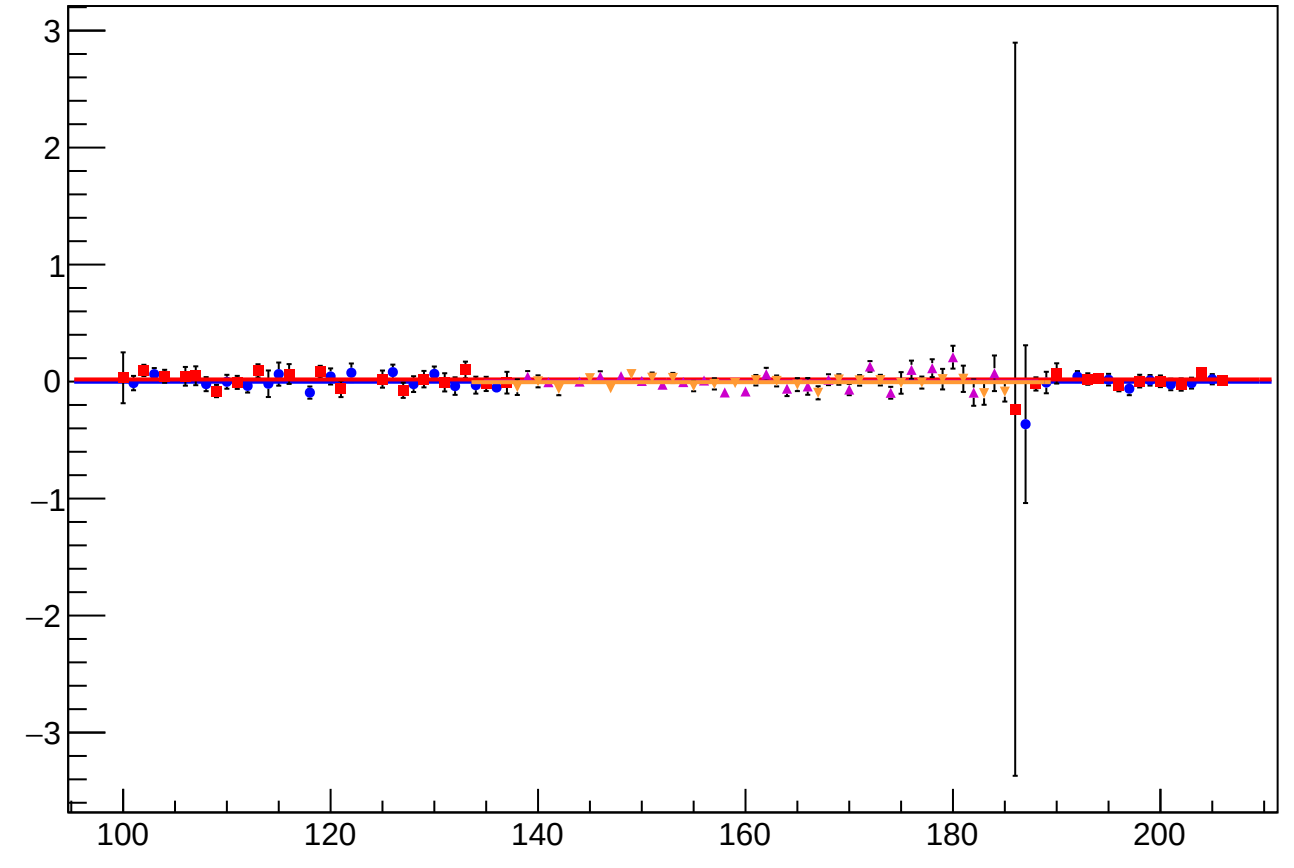
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.090+/-0.004 χ^2/NDF: 1898381.3/53

In: 25.177+/-0.003 χ^2/NDF:3132279.2/47

Out: 25.127+/-0.003 χ^2/NDF:3332613.8/52

All: 25.151+/-0.002 χ^2/NDF: 6464999.7/100



Right In: -0.001+/-0.012 χ^2/NDF: 14.7/24

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: 0.018+/-0.011 χ^2/NDF: 20.1/28

Left In: 0.000+/-0.010 χ^2/NDF:37.9/22

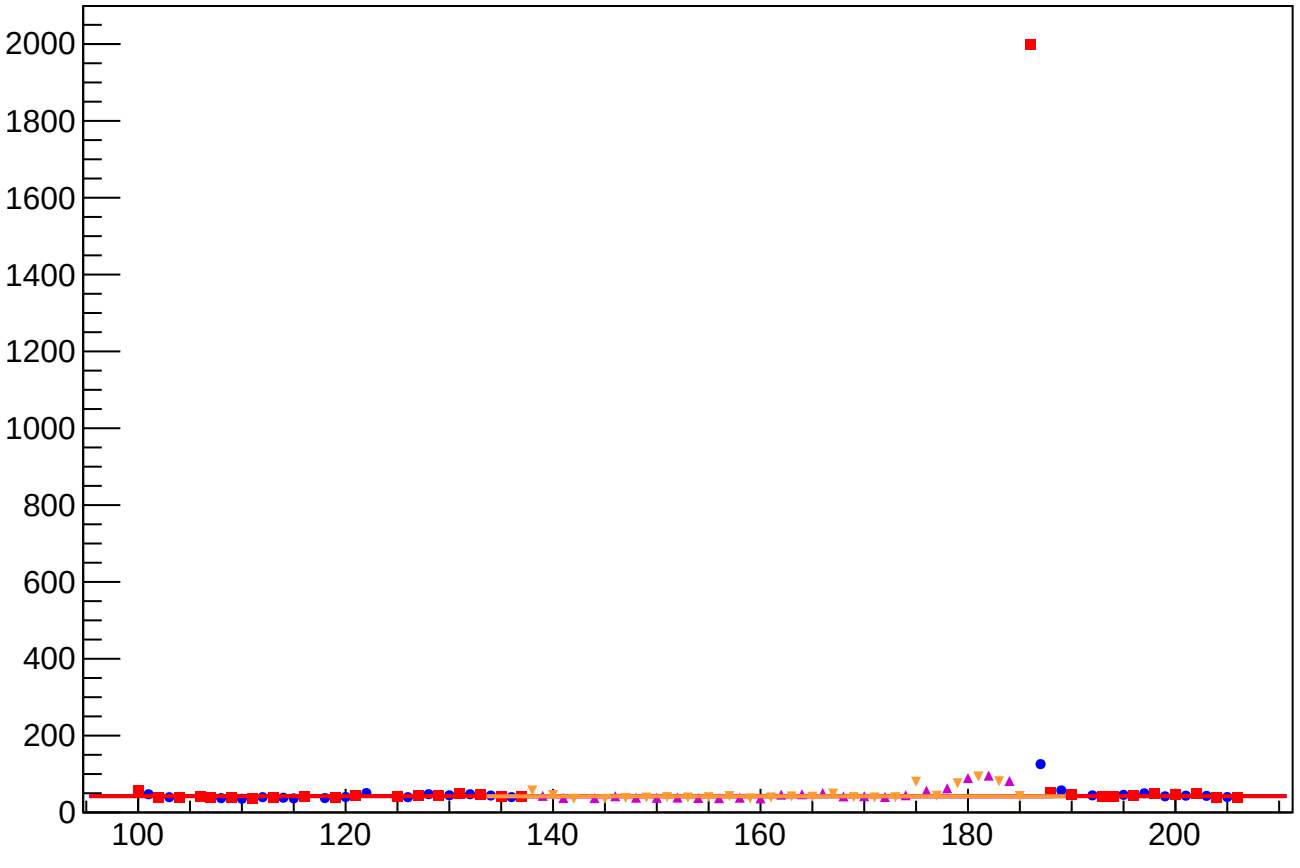
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.008 χ^2/NDF: 36.3/53

In: -0.001+/-0.008 χ^2/NDF:52.7/47

Out: 0.006+/-0.008 χ^2/NDF:36.3/52

All: 0.003+/-0.005 χ^2/NDF: 89.4/100



Right In: 42.609+/-0.008 χ^2/NDF: 284225.2/24

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

Right Out: 42.435+/-0.008 χ^2/NDF: 1059292.5/28

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

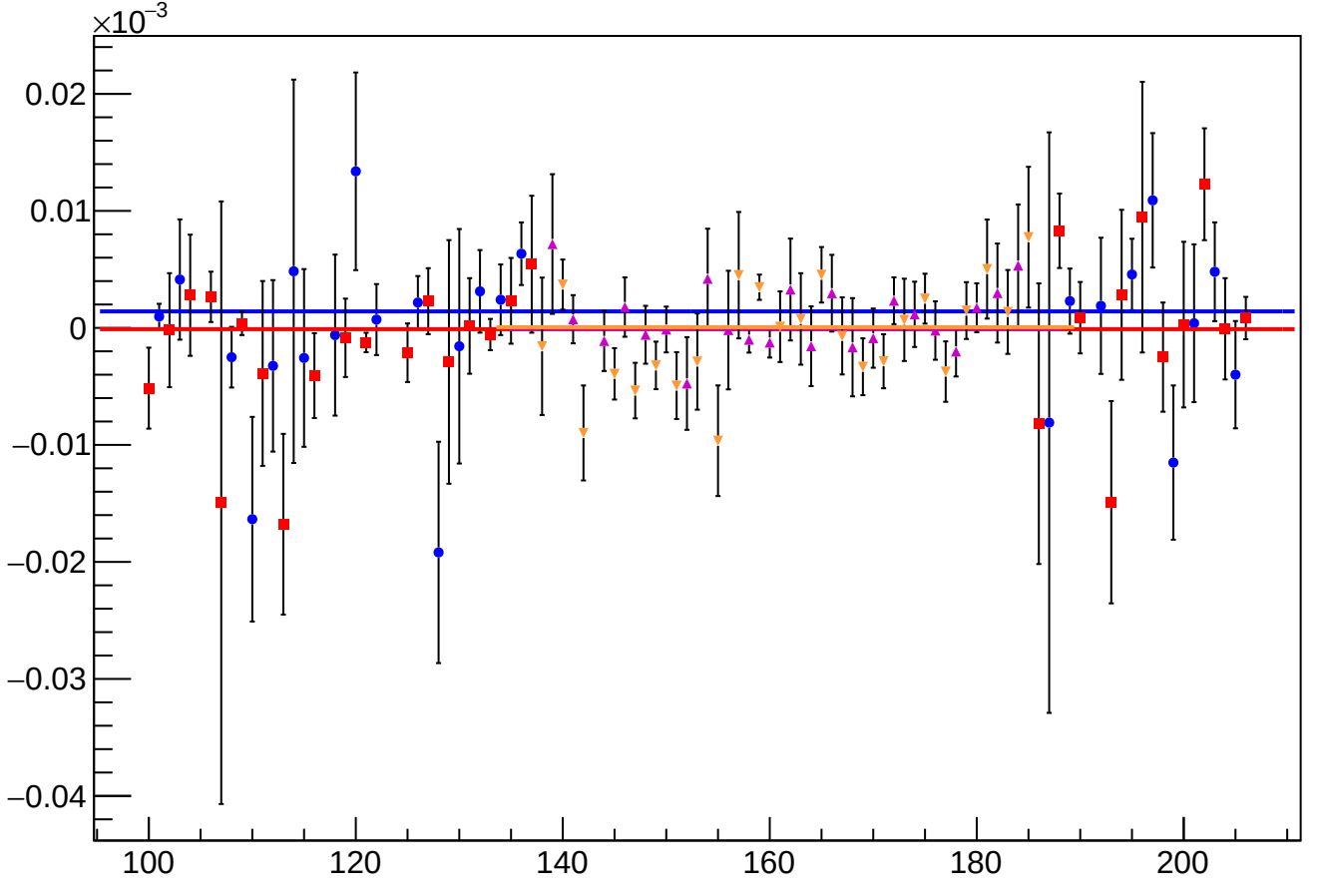
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.516+/-0.006 χ^2/NDF: 1343751.5/53

In: 42.311+/-0.006 χ^2/NDF:1830022.2/47

Out: 42.251+/-0.005 χ^2/NDF:2776386.1/52

All: 42.280+/-0.004 χ^2/NDF: 4606468.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: -0.000+/-0.000 χ^2/NDF:13.0/22

Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

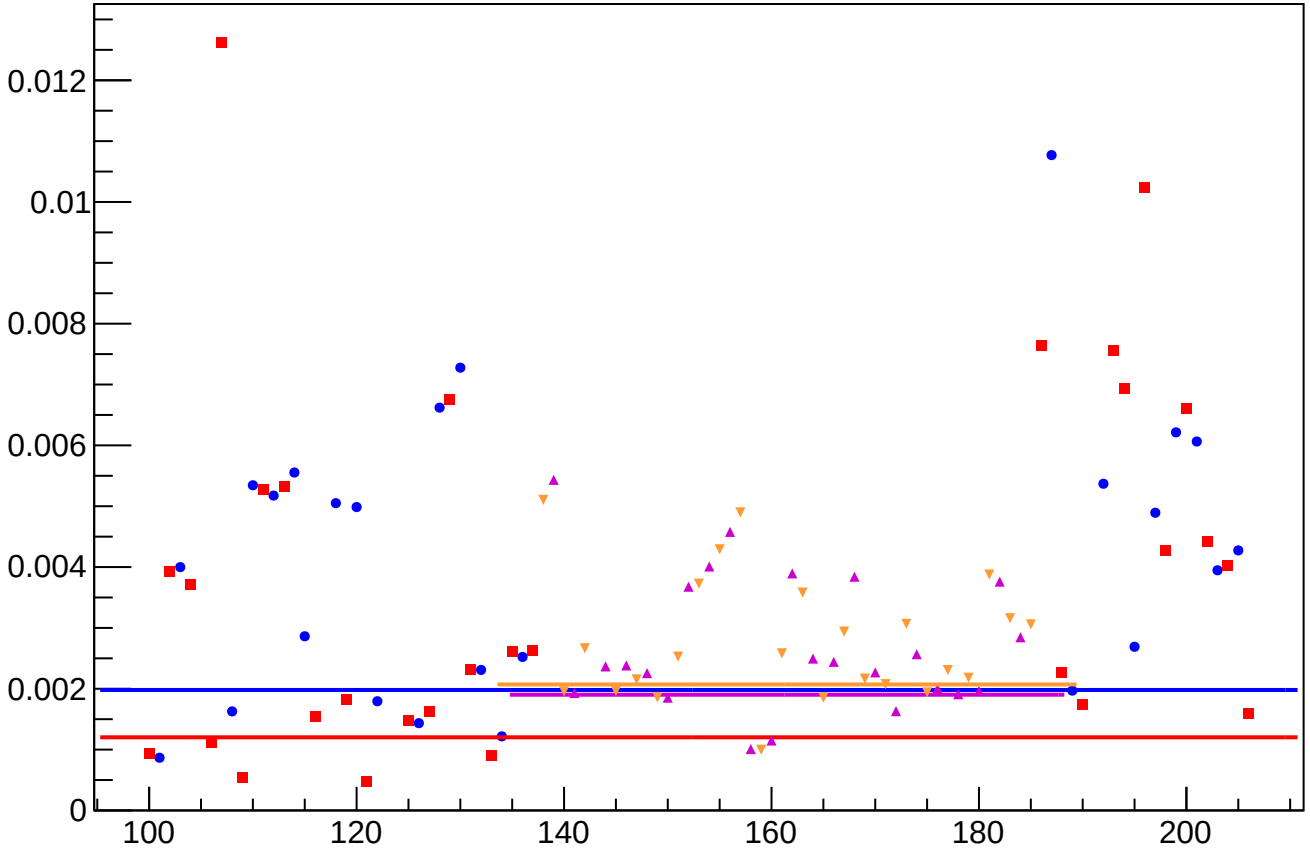
Right: 0.000+/-0.000 χ^2/NDF: 66.0/53

In: 0.000+/-0.000 χ^2/NDF:44.4/47

Out: -0.000+/-0.000 χ^2/NDF:85.9/52

All: 0.000+/-0.000 χ^2/NDF: 131.2/100

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9333019.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

Right Out: 0.001+/-0.000 χ^2/NDF: 14700381.7/28

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

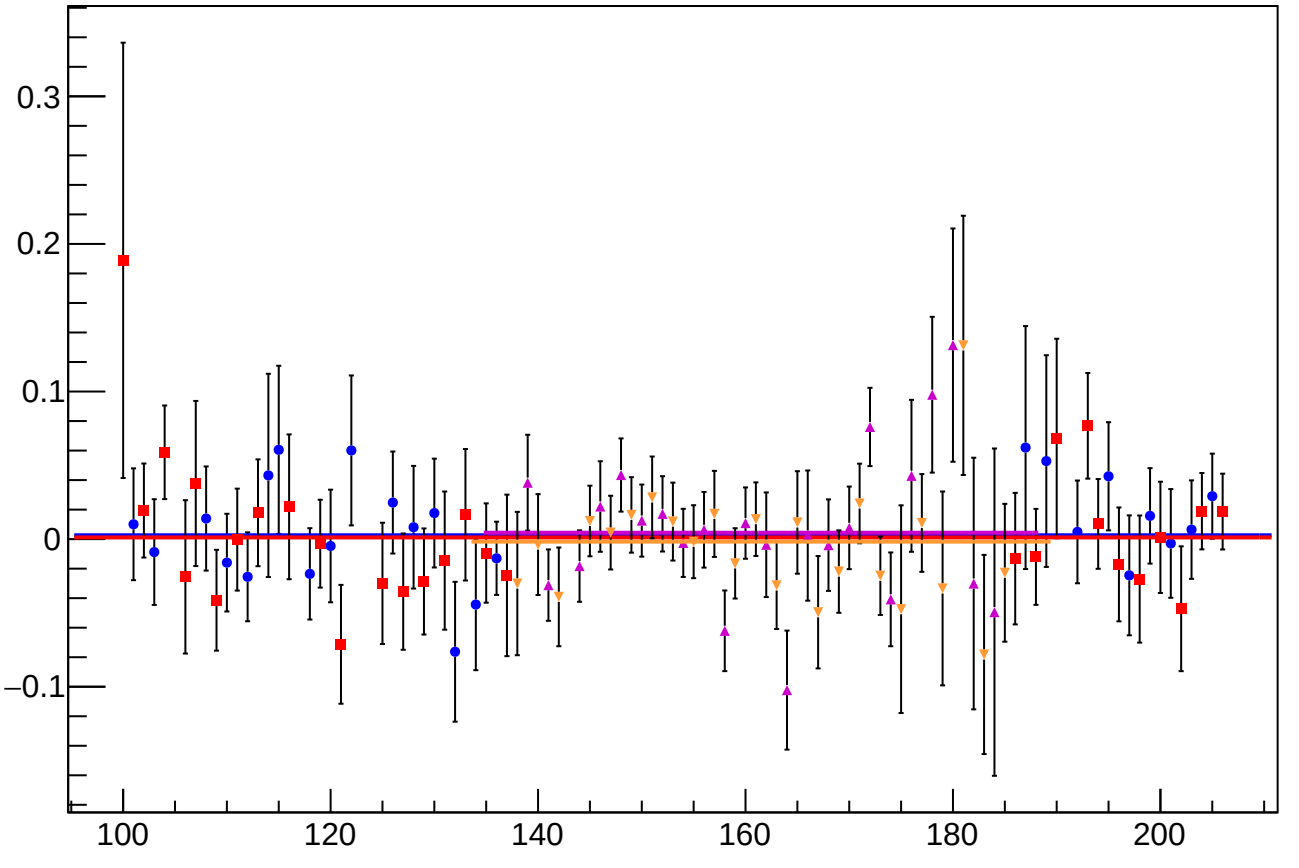
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 25868159.4/53

In: 0.002+/-0.000 χ^2/NDF:15286411.6/47

Out: 0.002+/-0.000 χ^2/NDF:23077359.2/52

All: 0.002+/-0.000 χ^2/NDF: 39255606.8/100



Right In: 0.003+/-0.007 χ^2/NDF: 13.4/24

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

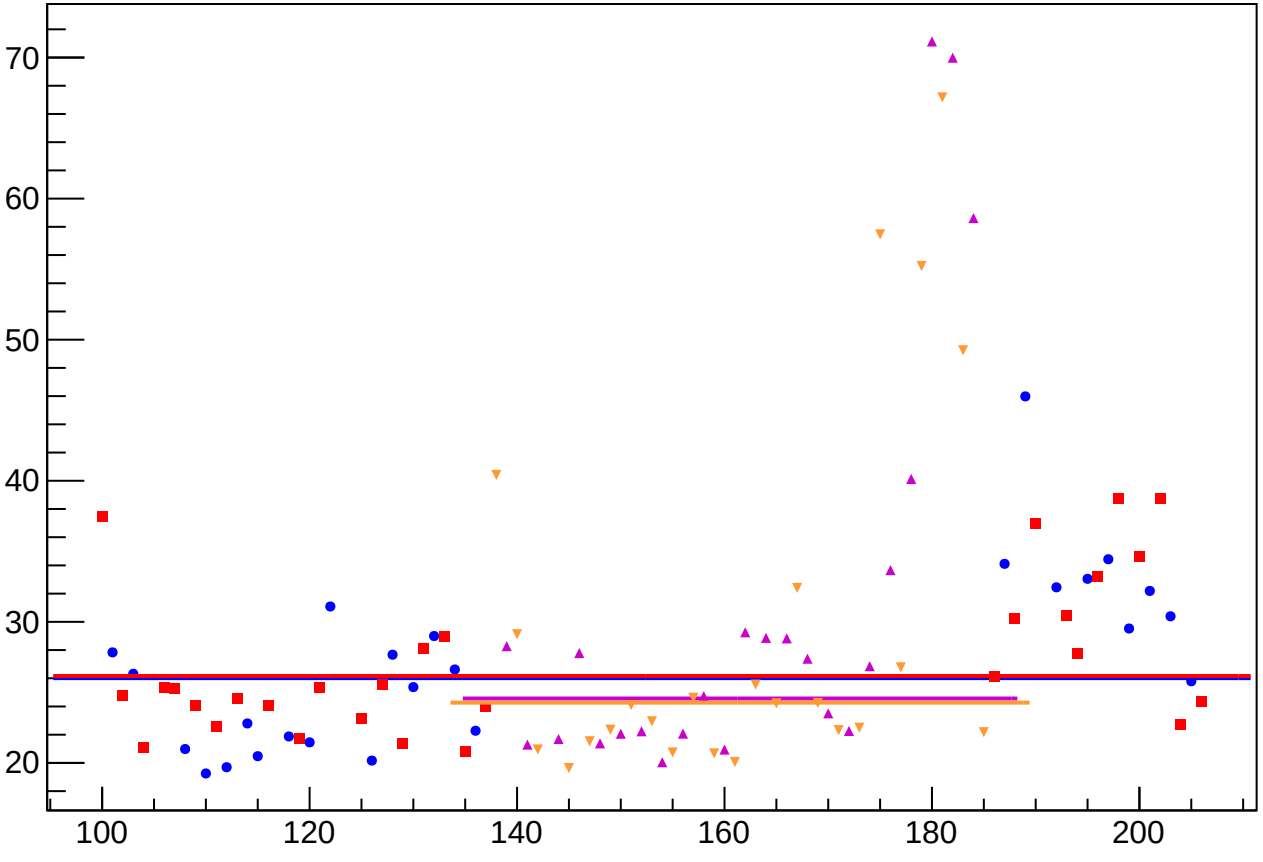
Right: 0.002+/-0.005 χ^2/NDF: 36.0/53

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.002+/-0.003 χ^2/NDF: 87.6/100

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.010+/-0.005 χ^2/NDF: 956007.4/24

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

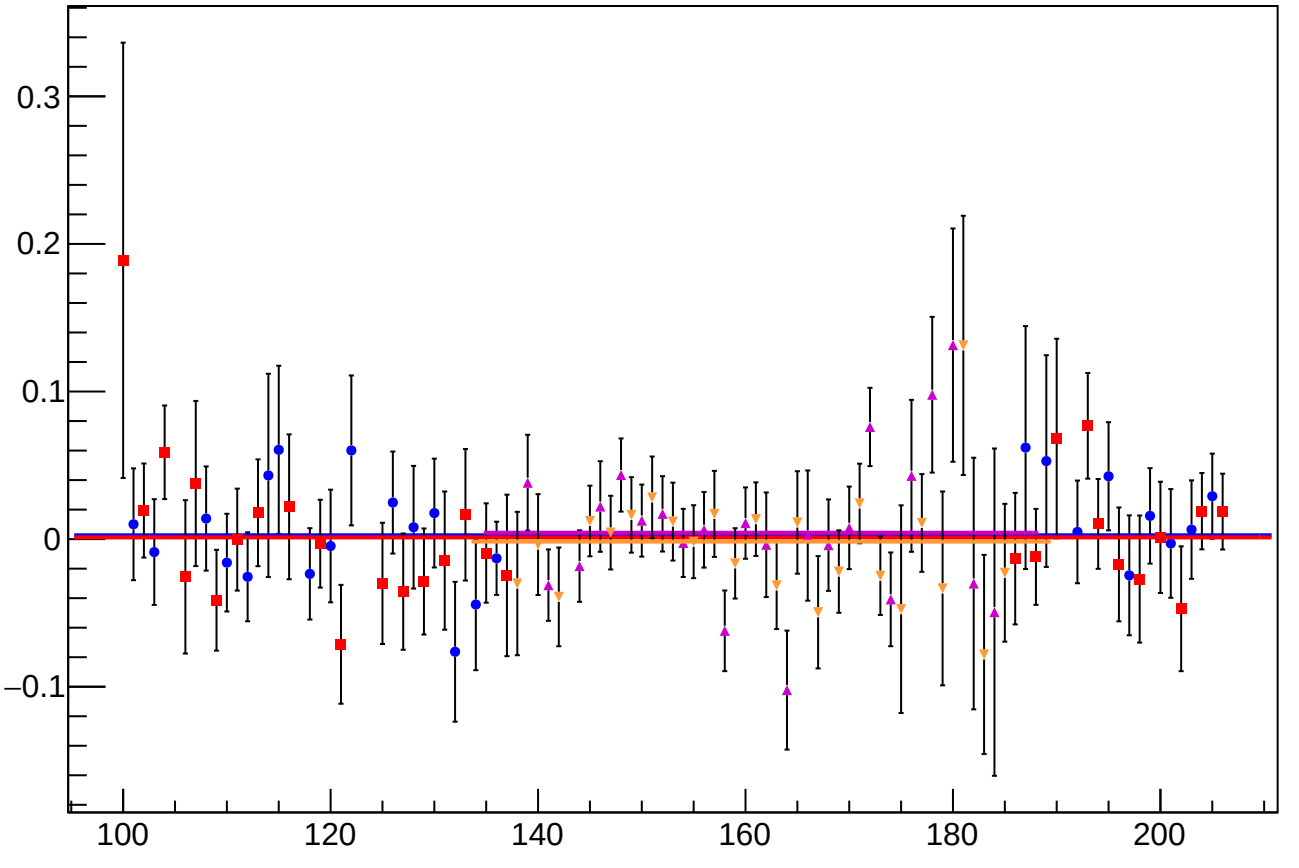
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 26.090+/-0.004 χ^2/NDF: 1898288.7/53

In: 25.177+/-0.003 χ^2/NDF:3132094.5/47

Out: 25.128+/-0.003 χ^2/NDF:3332546.1/52

All: 25.151+/-0.002 χ^2/NDF: 6464746.4/100



Right In: 0.003+/-0.007 χ^2/NDF: 13.4/24

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

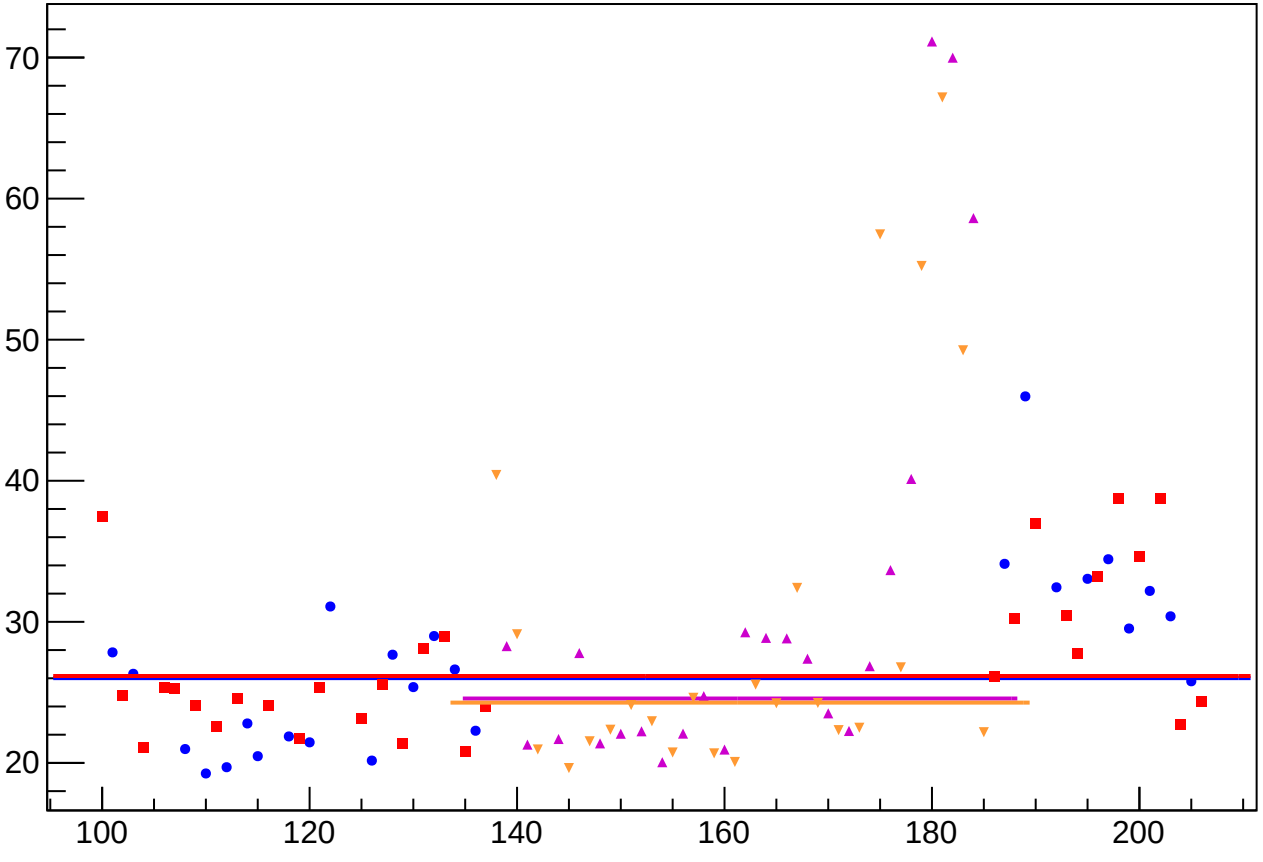
Right: 0.002+/-0.005 χ^2/NDF: 36.0/53

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.002+/-0.003 χ^2/NDF: 87.6/100

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.010+/-0.005 χ^2/NDF: 956007.4/24

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

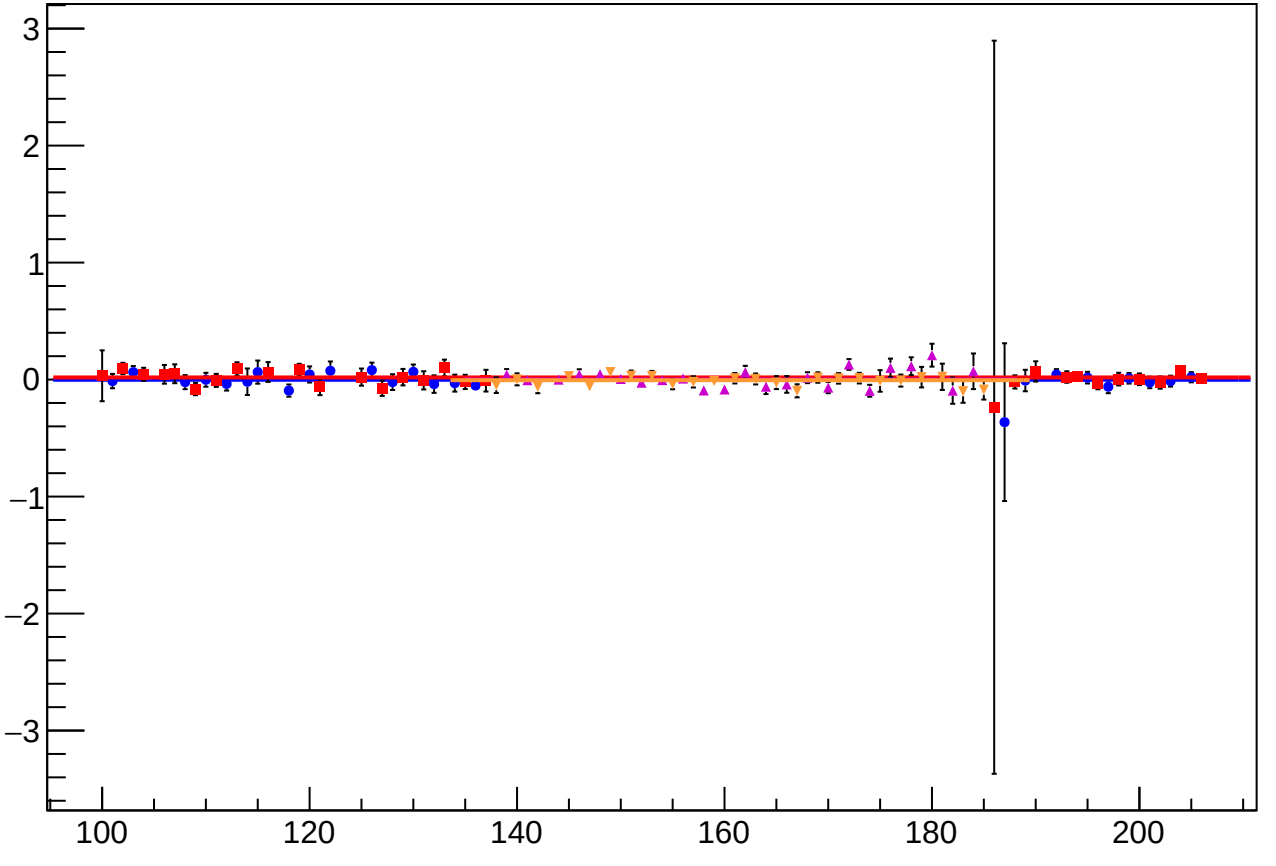
Right: 26.090+/-0.004 χ^2/NDF: 1898288.7/53

In: 25.177+/-0.003 χ^2/NDF:3132094.5/47

Out: 25.128+/-0.003 χ^2/NDF:3332546.1/52

All: 25.151+/-0.002 χ^2/NDF: 6464746.4/100

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 14.7/24

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: 0.018+/-0.011 χ^2/NDF: 20.1/28

Left In: 0.000+/-0.010 χ^2/NDF:37.9/22

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

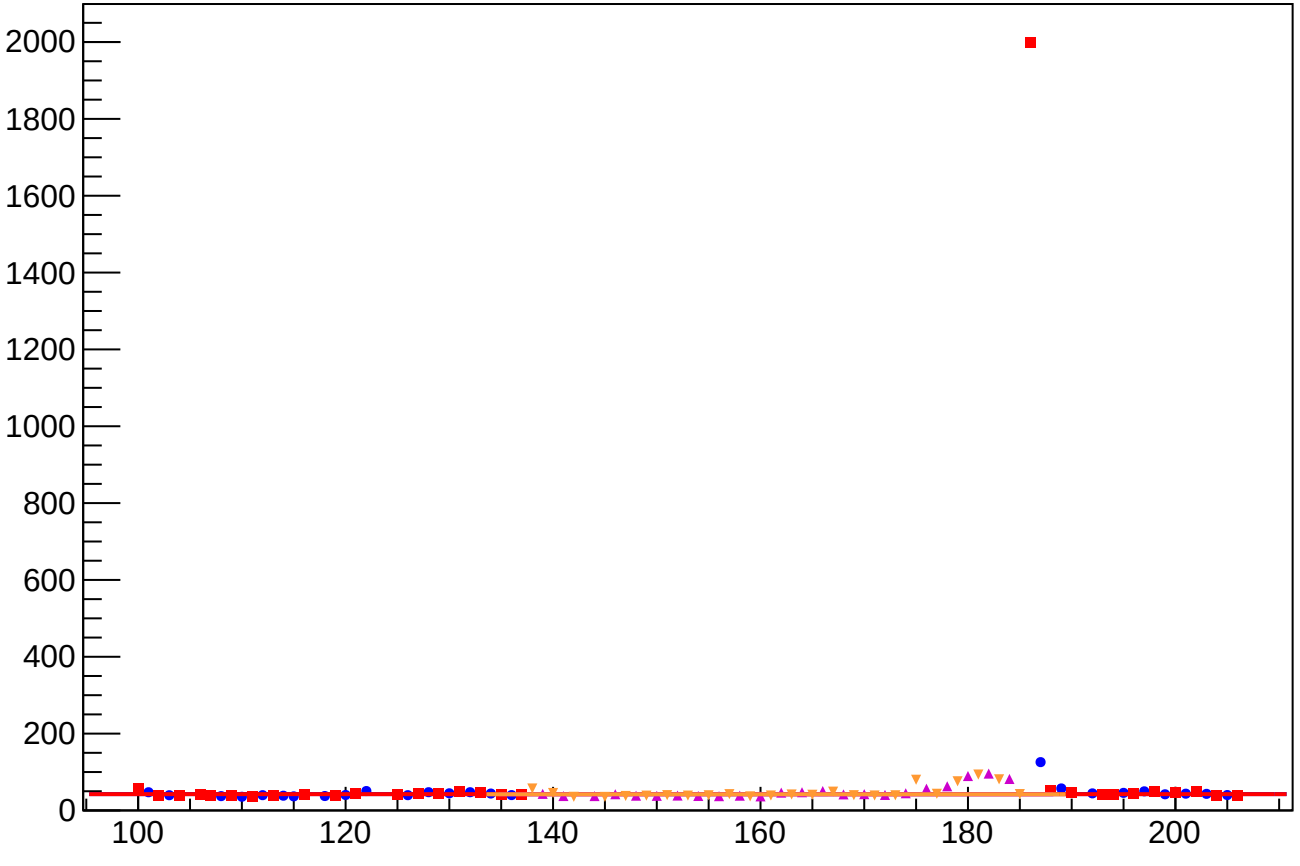
Right: 0.009+/-0.008 χ^2/NDF: 36.3/53

In: -0.001+/-0.008 χ^2/NDF:52.7/47

Out: 0.006+/-0.008 χ^2/NDF:36.3/52

All: 0.003+/-0.005 χ^2/NDF: 89.4/100

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.609+/-0.008 χ^2/NDF: 284187.0/24

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

Right Out: 42.435+/-0.008 χ^2/NDF: 1059279.5/28

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

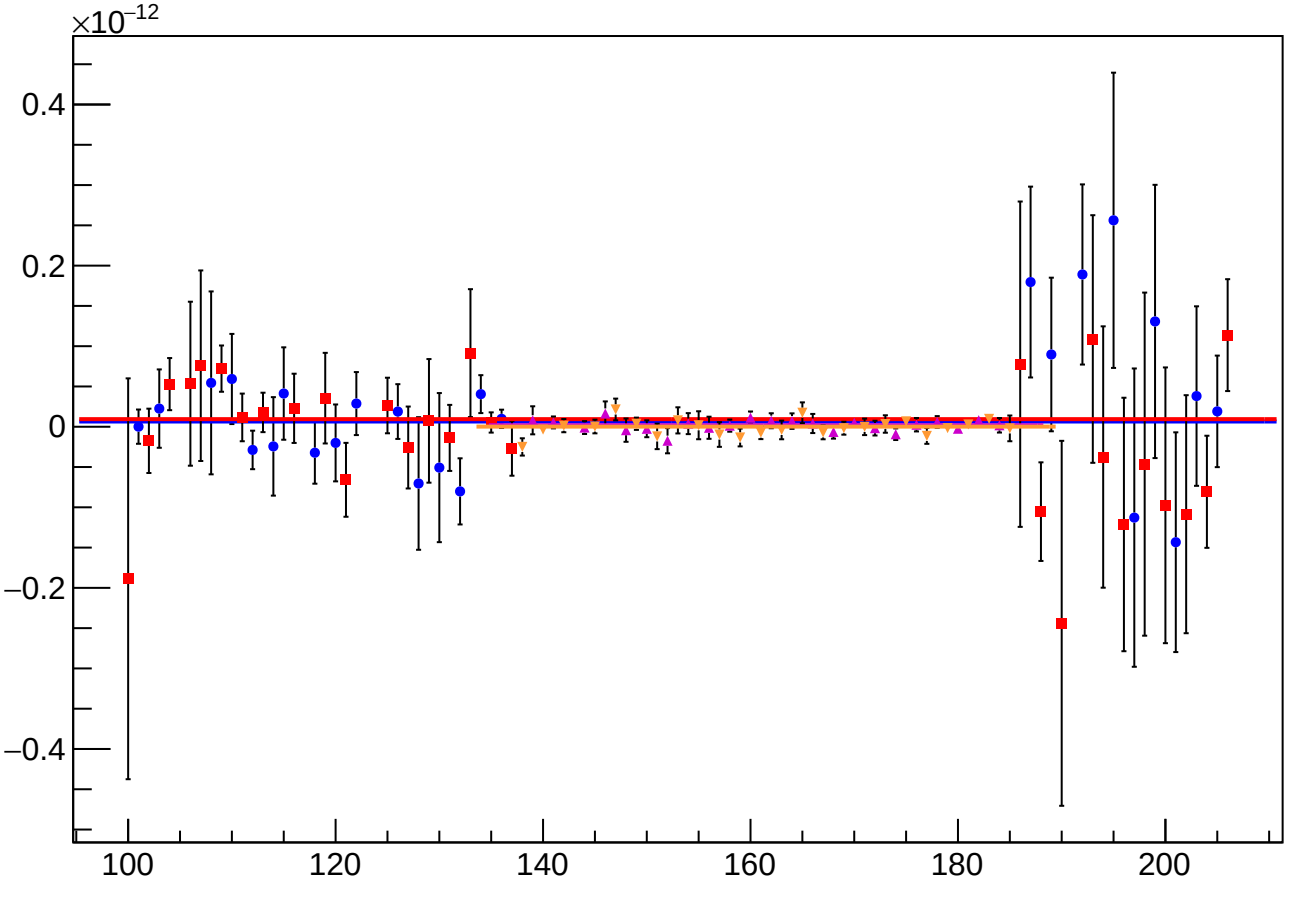
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.516+/-0.006 χ^2/NDF: 1343699.7/53

In: 42.311+/-0.006 χ^2/NDF:1829957.2/47

Out: 42.252+/-0.005 χ^2/NDF:2776363.8/52

All: 42.280+/-0.004 χ^2/NDF: 4606381.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: 0.000+/-0.000 χ^2/NDF:11.7/22

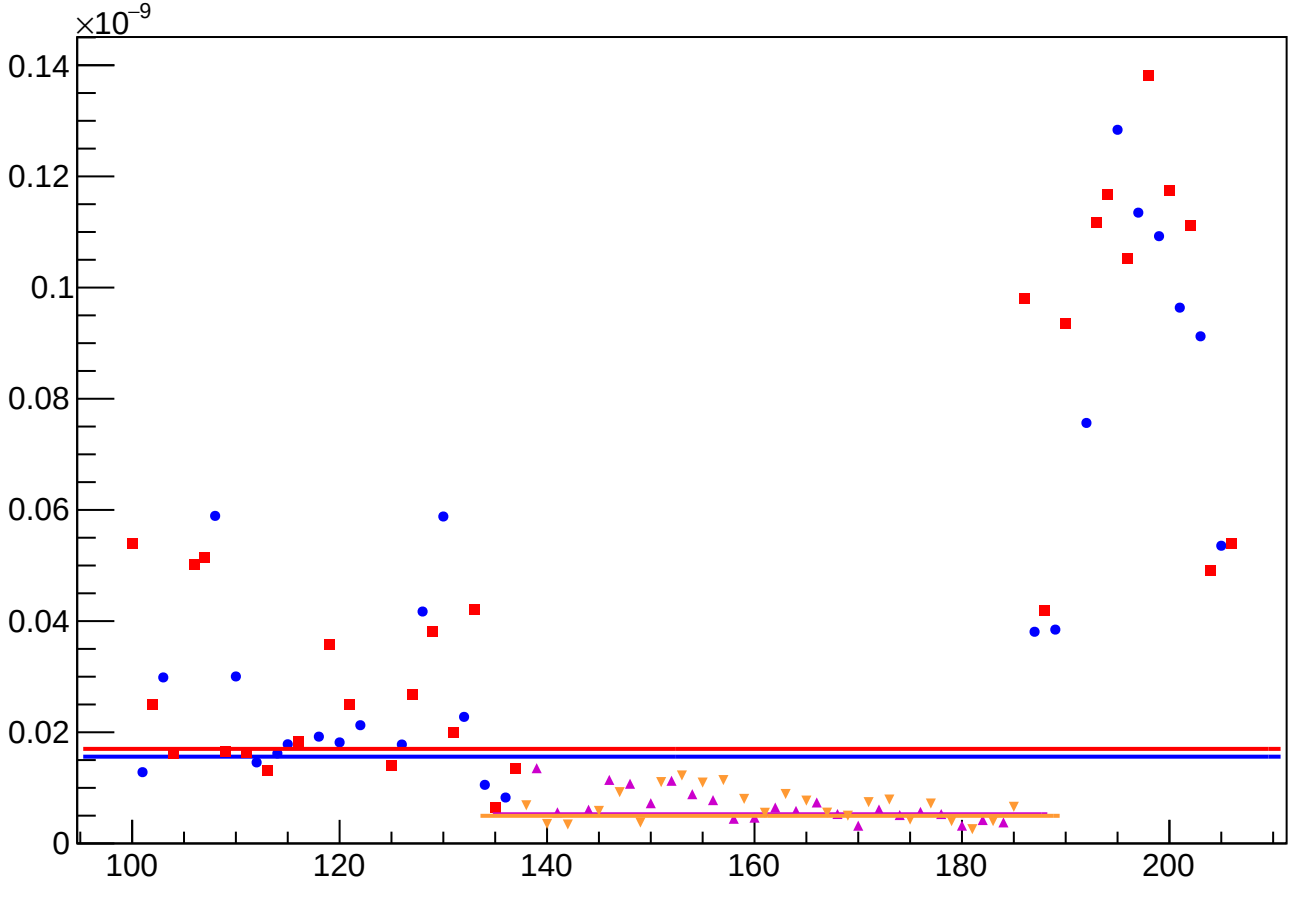
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 49.3/53

In: 0.000+/-0.000 χ^2/NDF:35.6/47

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: 0.000+/-0.000 χ^2/NDF: 84.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 7248300.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8894617.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6182698.7/46

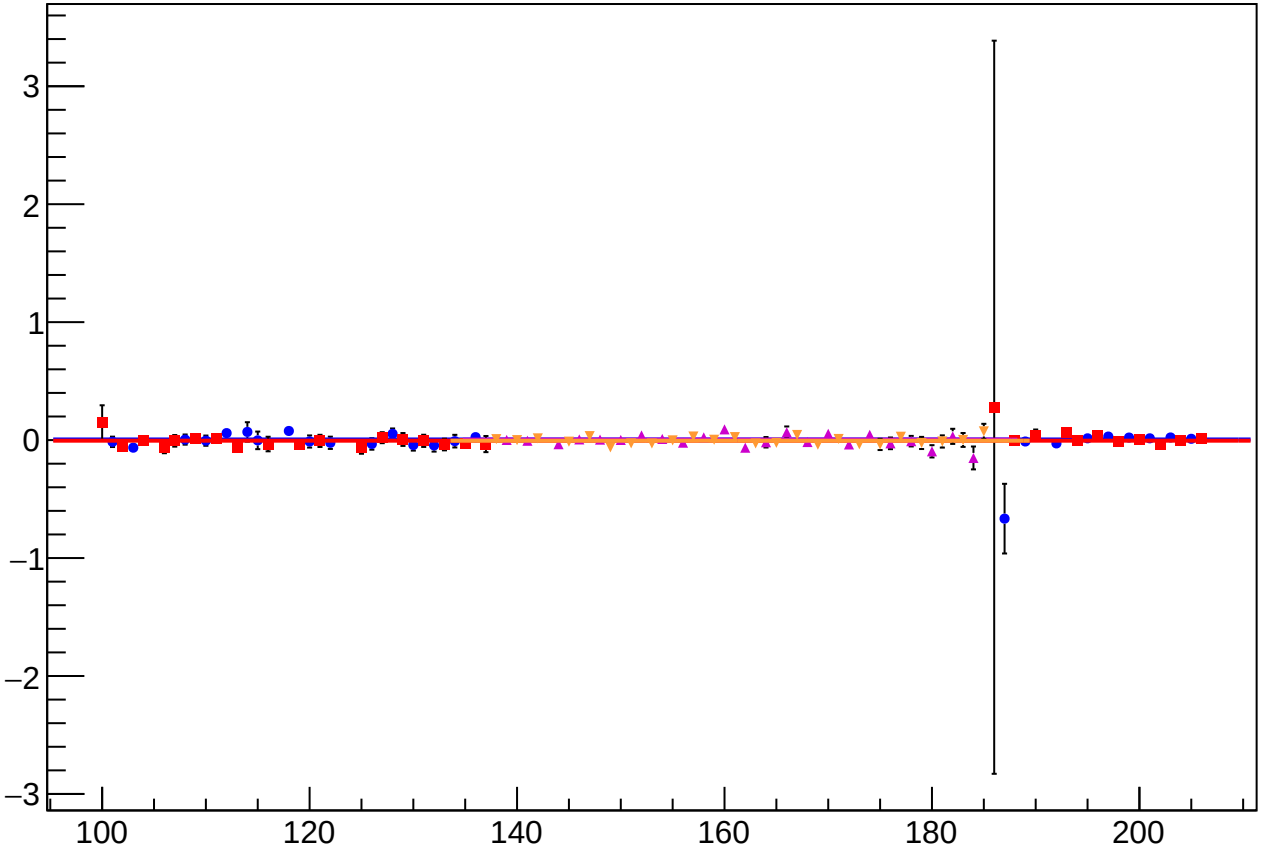
Right: 0.000+/-0.000 χ^2/NDF: 16178678.3/53

In: 0.000+/-0.000 χ^2/NDF:13739335.5/47

Out: 0.000+/-0.000 χ^2/NDF:17251049.1/52

All: 0.000+/-0.000 χ^2/NDF: 31019523.5/100

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/24

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: -0.005+/-0.007 χ^2/NDF: 22.7/28

Left In: 0.004+/-0.007 χ^2/NDF:31.2/22

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

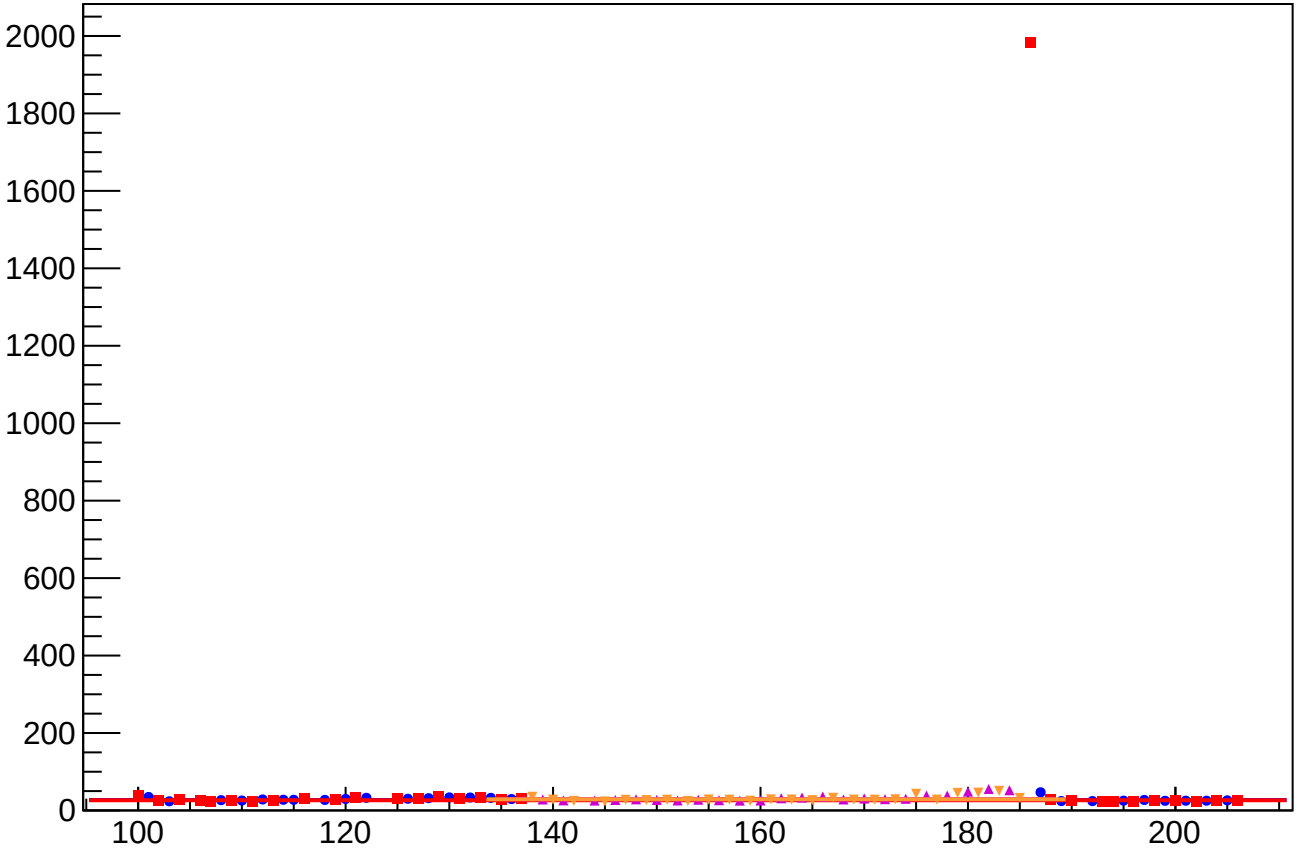
Right: -0.000+/-0.005 χ^2/NDF: 47.9/53

In: 0.005+/-0.005 χ^2/NDF:55.4/47

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 96.7/100

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.049+/-0.005 χ^2/NDF: 329493.8/24

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

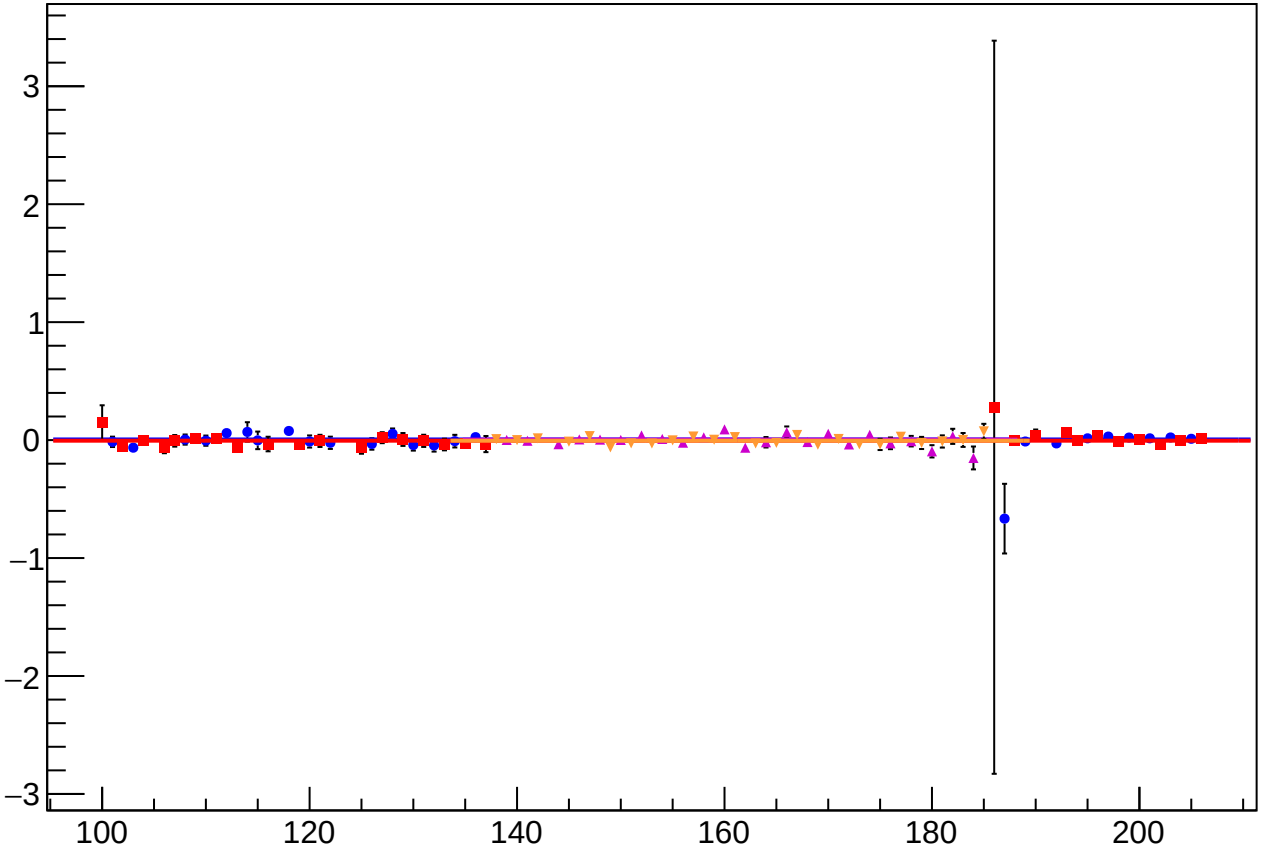
Right: 26.685+/-0.004 χ^2/NDF: 1444095.5/53

In: 28.208+/-0.004 χ^2/NDF:1559435.7/47

Out: 27.565+/-0.004 χ^2/NDF:2394130.1/52

All: 27.871+/-0.003 χ^2/NDF: 3969552.3/100

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/24

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: -0.005+/-0.007 χ^2/NDF: 22.7/28

Left In: 0.004+/-0.007 χ^2/NDF:31.2/22

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

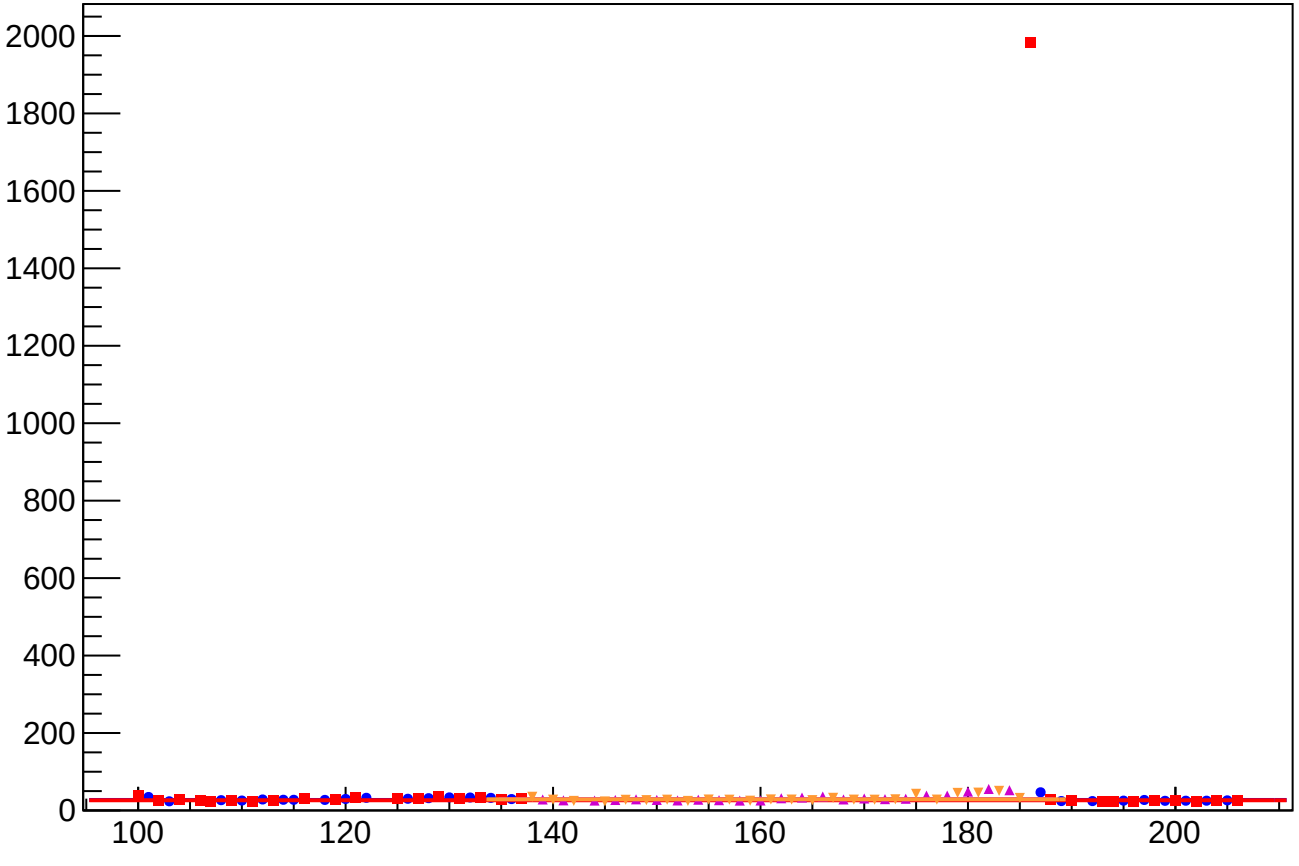
Right: -0.000+/-0.005 χ^2/NDF: 47.9/53

In: 0.005+/-0.005 χ^2/NDF:55.4/47

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 96.7/100

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.049+/-0.005 χ^2/NDF: 329493.8/24

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

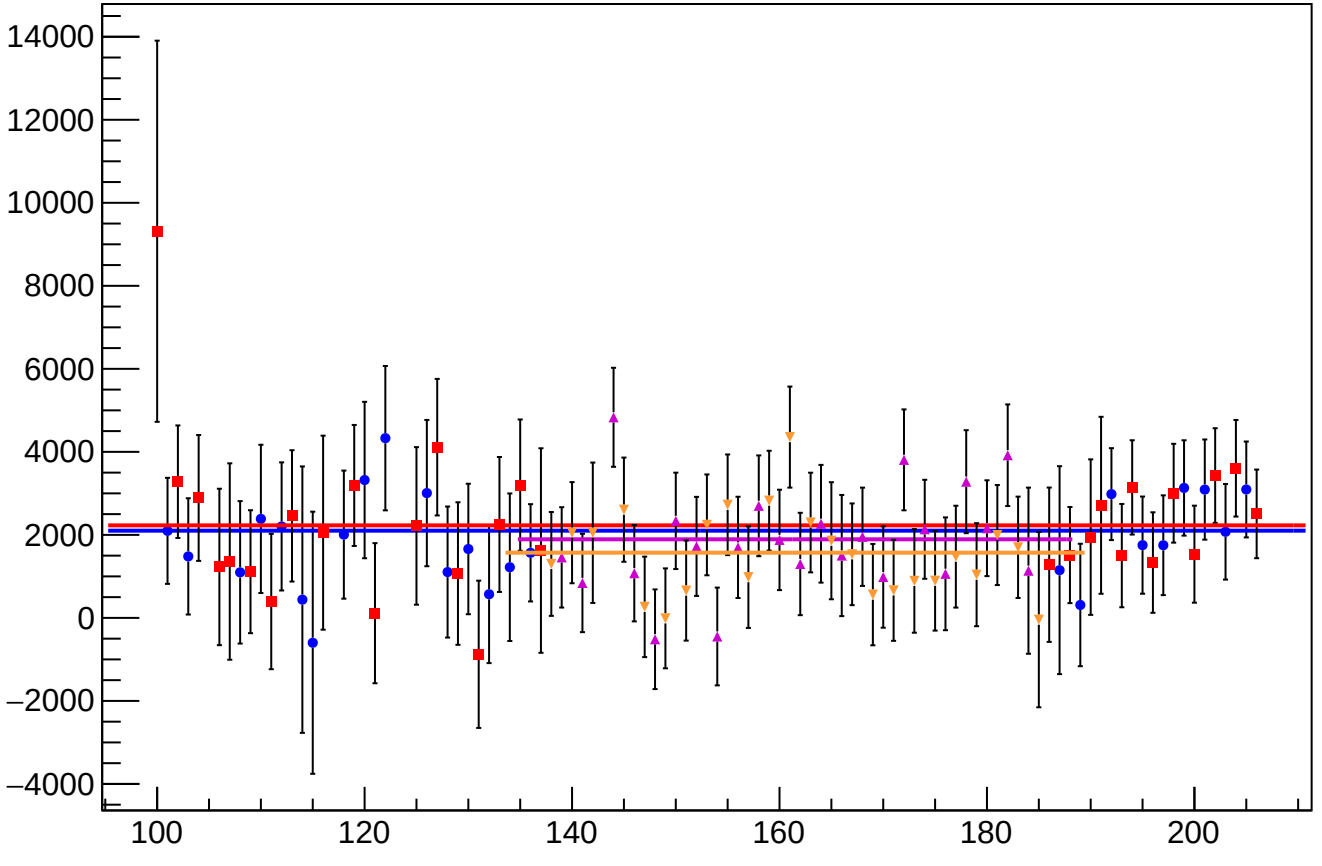
Right: 26.685+/-0.004 χ^2/NDF: 1444095.5/53

In: 28.208+/-0.004 χ^2/NDF:1559435.7/47

Out: 27.565+/-0.004 χ^2/NDF:2394130.1/52

All: 27.871+/-0.003 χ^2/NDF: 3969552.3/100

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2229.210+/-272.803 χ^2/NDF: 18.3/29

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

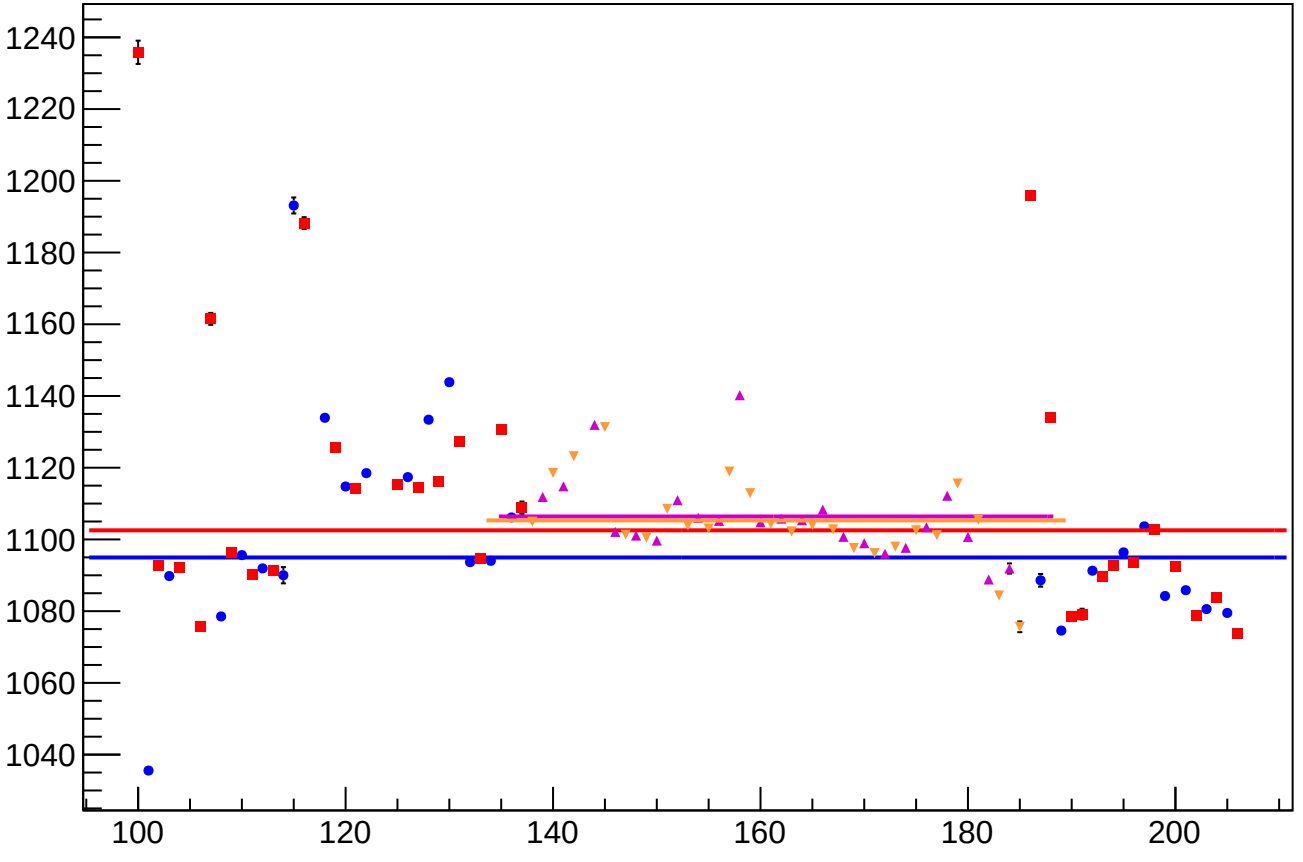
Right: 2169.561+/-199.184 χ^2/NDF: 28.8/54

In: 1984.894+/-193.340 χ^2/NDF:34.7/47

Out: 1879.926+/-186.885 χ^2/NDF:36.8/53

All: 1930.628+/-134.372 χ^2/NDF: 71.6/101

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

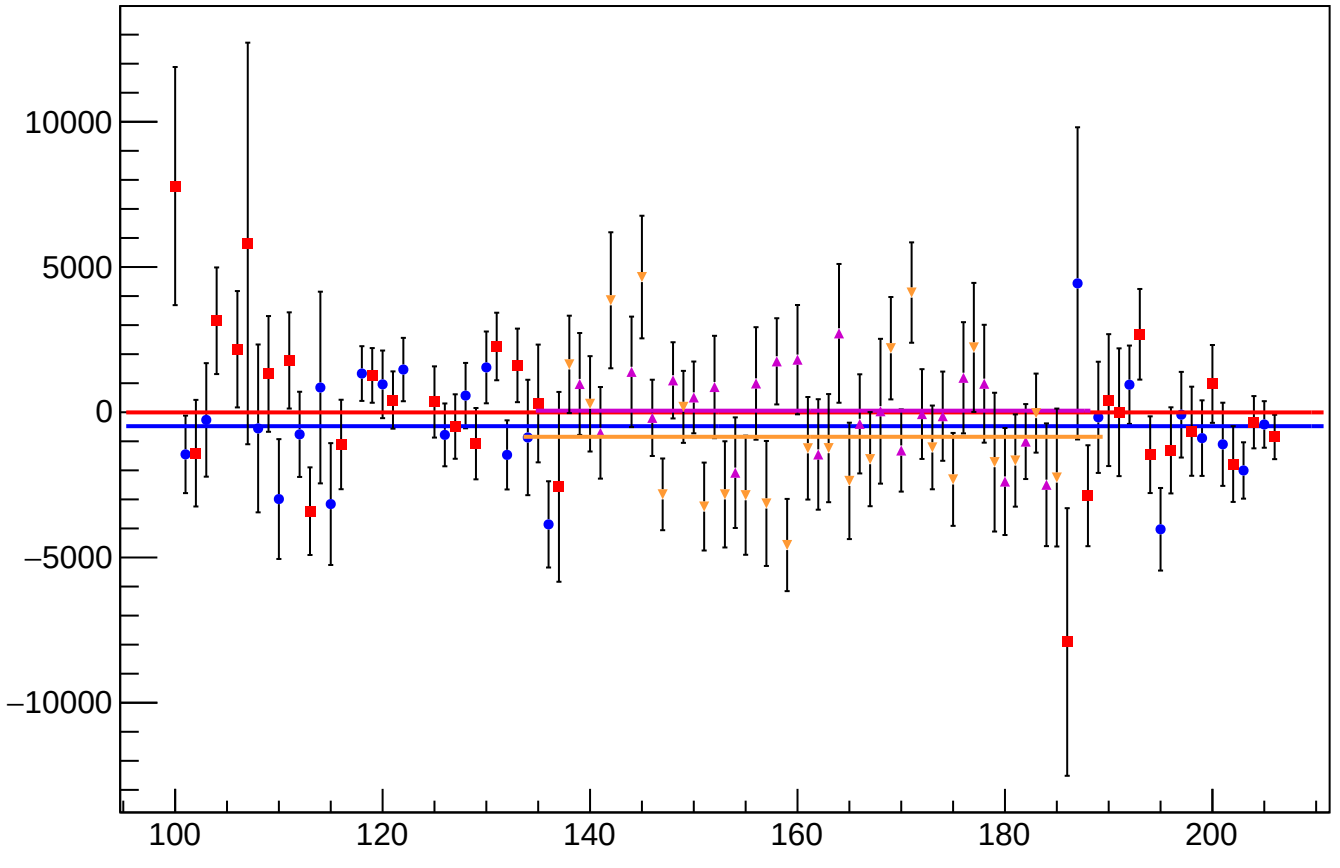
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.004+/-0.141 χ^2/NDF: 33209.4/54

In: 1101.373+/-0.137 χ^2/NDF:18959.1/47

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

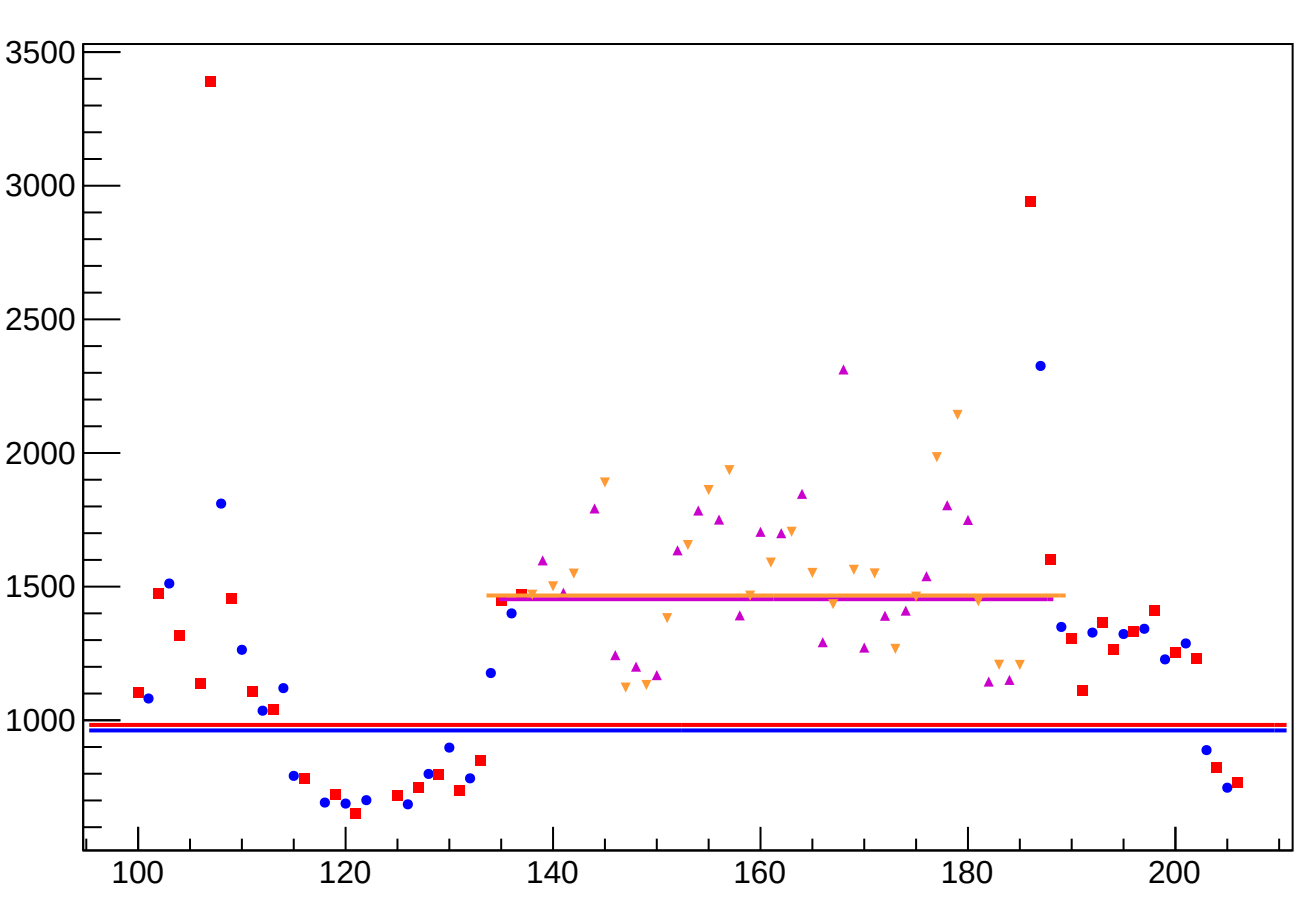
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -232.088+/-185.616 χ^2/NDF: 74.5/54

In: -278.924+/-212.022 χ^2/NDF:47.4/47

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -290.861+/-147.977 χ^2/NDF: 135.3/101



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 982.583+/-0.182 χ^2/NDF: 3008928.2/29

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

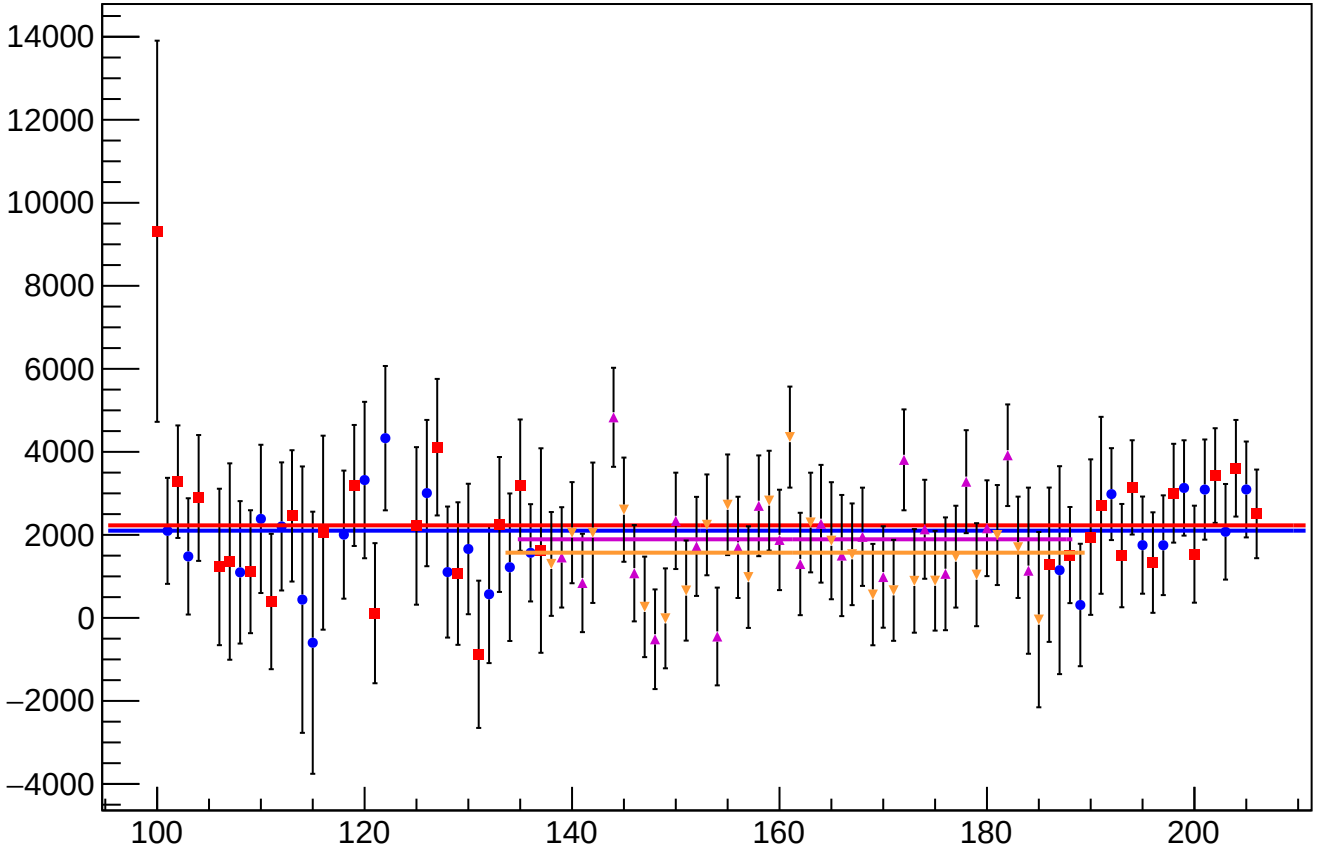
Right: 972.721+/-0.131 χ^2/NDF: 5198461.3/54

In: 1146.389+/-0.150 χ^2/NDF:5828451.2/47

Out: 1153.946+/-0.146 χ^2/NDF:6564066.4/53

All: 1150.265+/-0.105 χ^2/NDF: 12393820.9/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2229.202+/-272.803 χ^2/NDF: 18.3/29

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

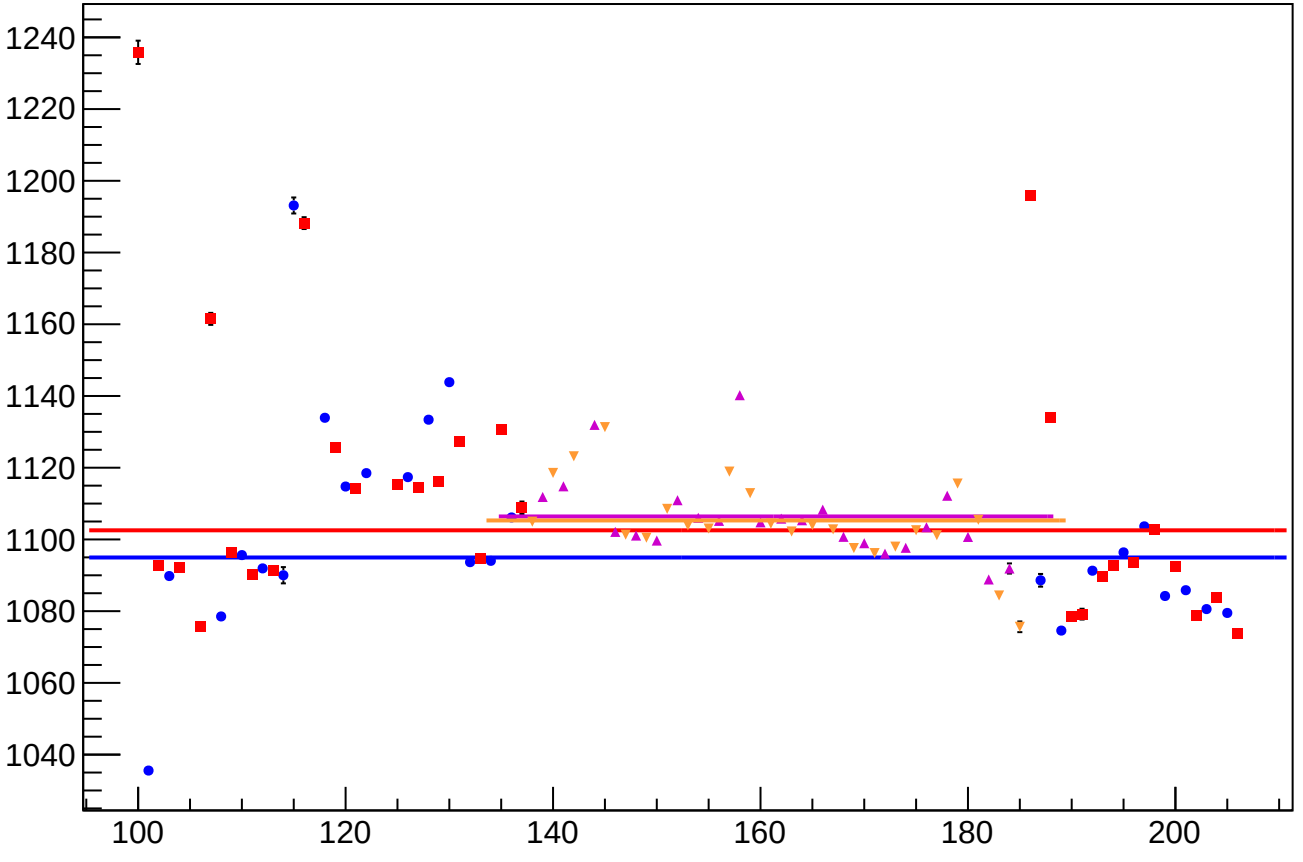
Right: 2169.556+/-199.184 χ^2/NDF: 28.8/54

In: 1984.894+/-193.340 χ^2/NDF:34.7/47

Out: 1879.922+/-186.885 χ^2/NDF:36.8/53

All: 1930.626+/-134.372 χ^2/NDF: 71.6/101

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

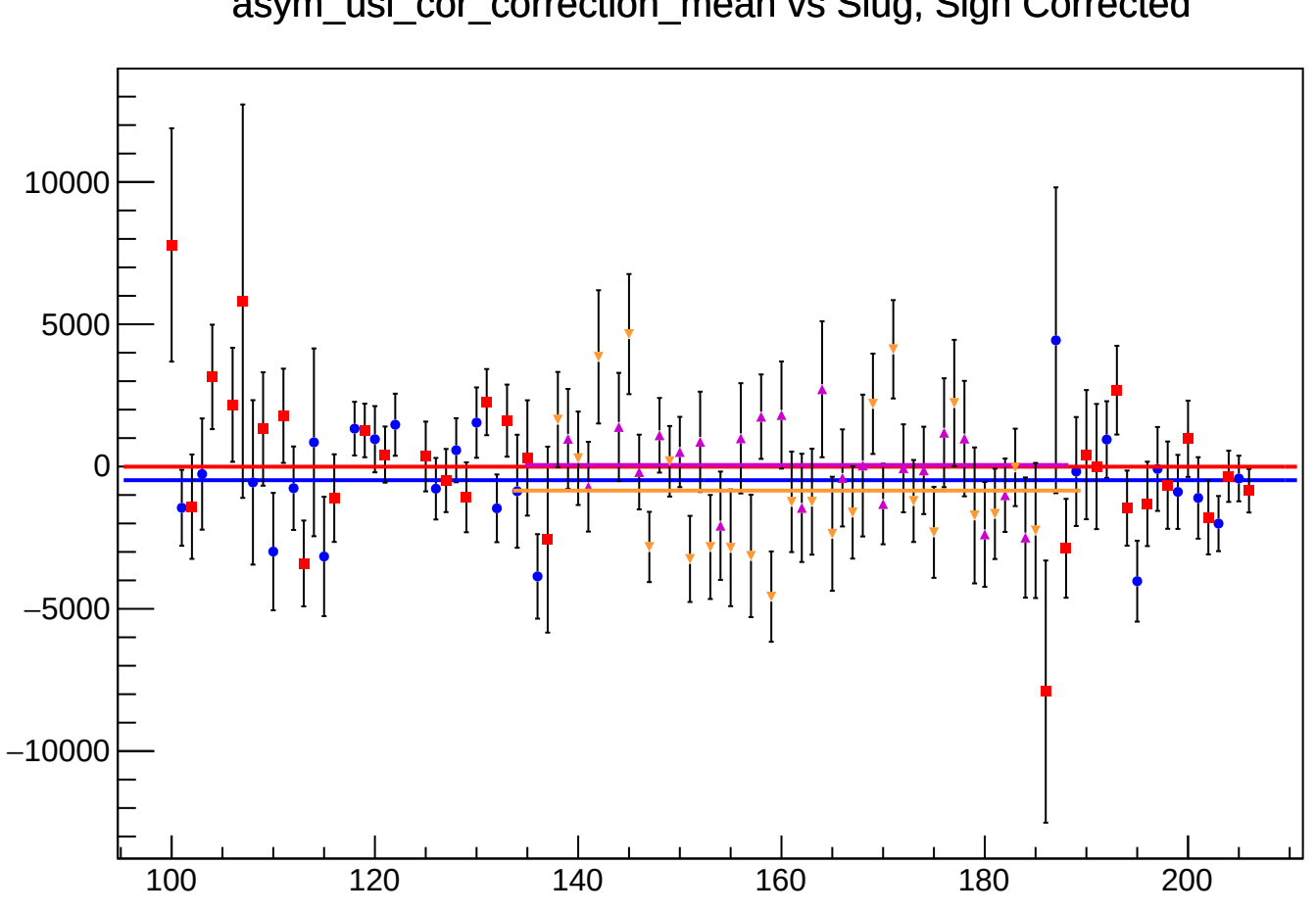
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.004+/-0.141 χ^2/NDF: 33209.4/54

In: 1101.373+/-0.137 χ^2/NDF:18959.1/47

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

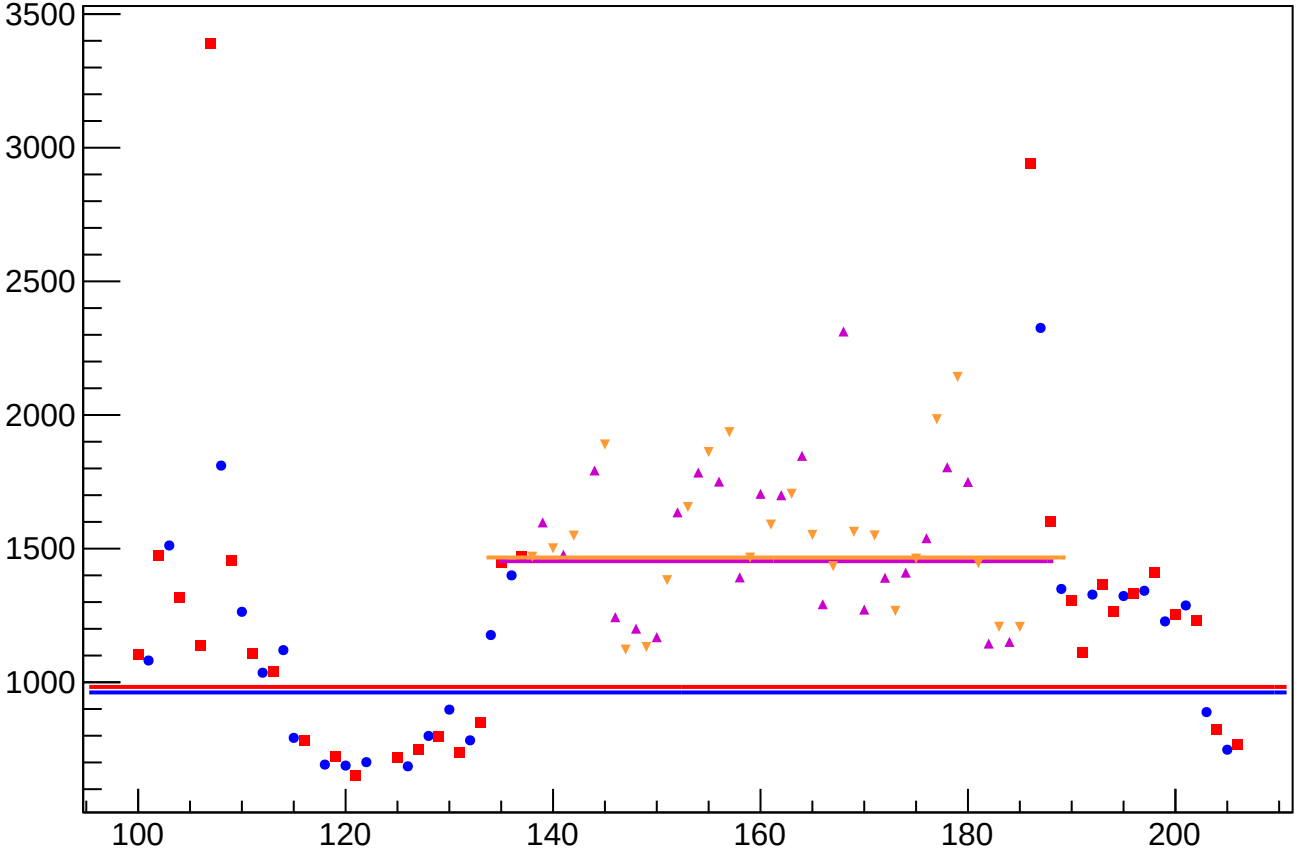
Right: -232.088+/-185.616 χ^2/NDF: 74.5/54

In: -278.924+/-212.022 χ^2/NDF:47.4/47

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -290.861+/-147.977 χ^2/NDF: 135.3/101

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

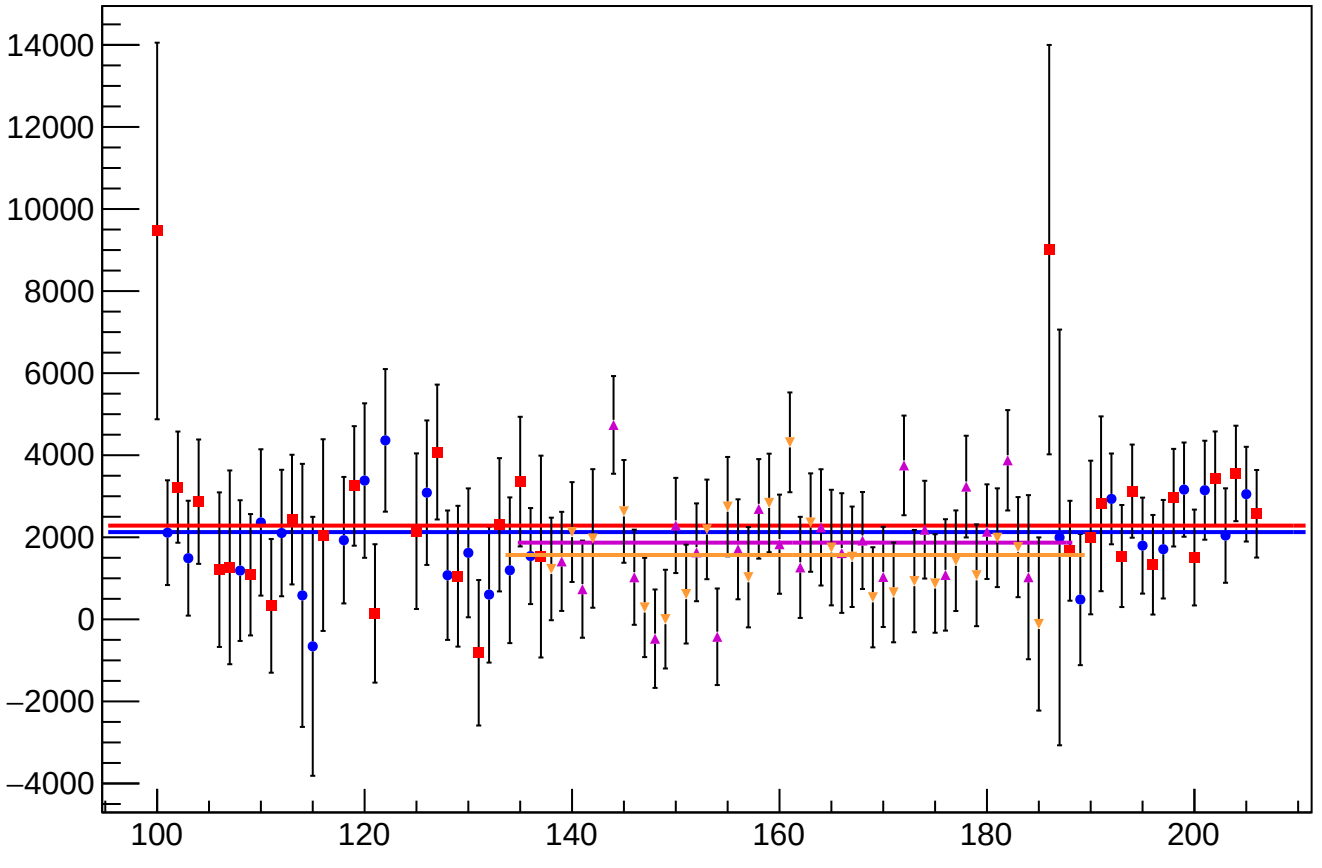
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 972.721+/-0.131 χ^2/NDF: 5198460.0/54

In: 1146.389+/-0.150 χ^2/NDF:5828451.2/47

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1150.265+/-0.105 χ^2/NDF: 12393821.3/1



Right In: 2126.546+/-293.668 χ^2/NDF: 9.8/24

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: 2284.393+/-275.974 χ^2/NDF: 19.8/29

Left In: 1869.342+/-258.099 χ^2/NDF:23.4/22

Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

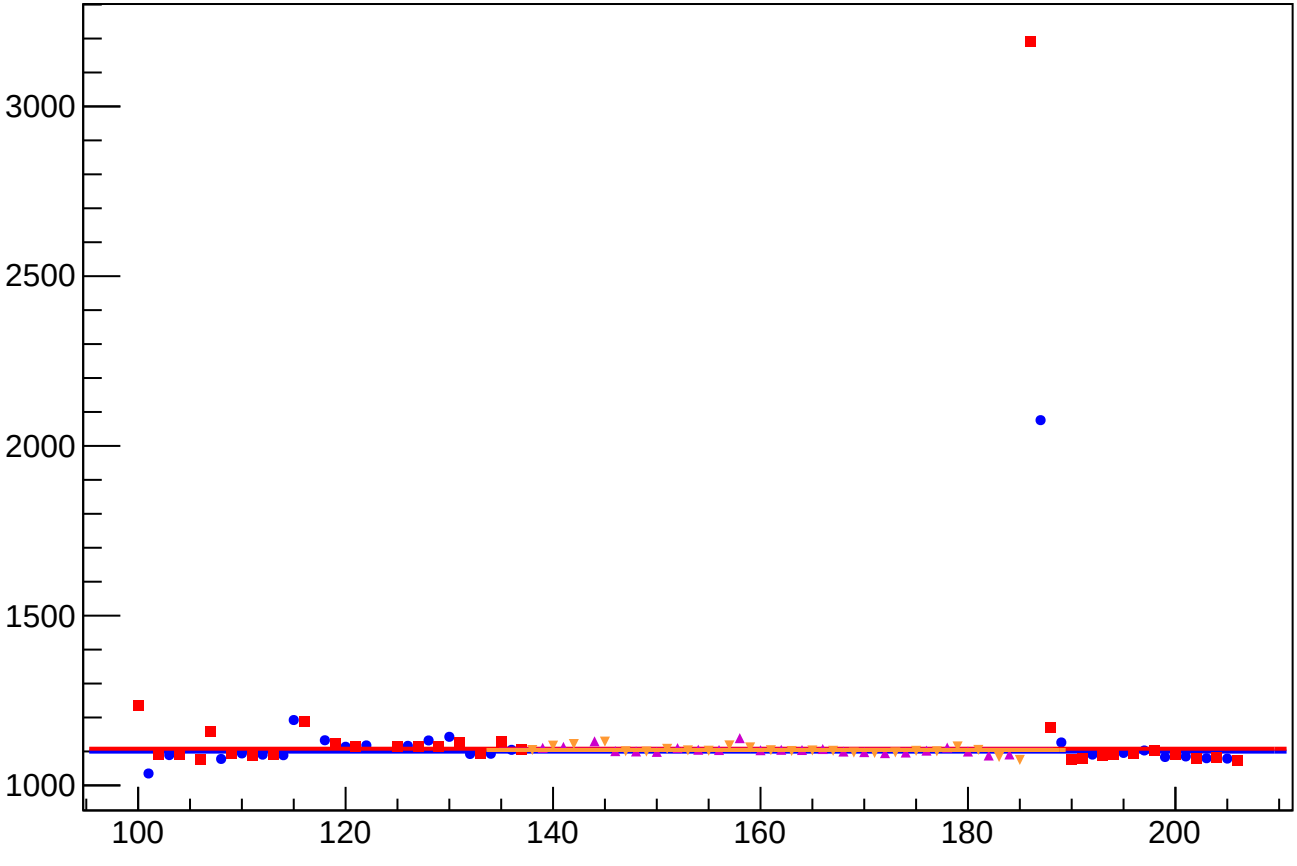
Right: 2210.368+/-201.108 χ^2/NDF: 29.8/54

In: 1981.433+/-193.866 χ^2/NDF:33.7/47

Out: 1900.167+/-187.800 χ^2/NDF:38.8/53

All: 1939.508+/-134.888 χ^2/NDF: 72.6/101

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.446+/-0.208 χ^2/NDF: 88247.8/24

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1108.020+/-0.195 χ^2/NDF: 368440.3/29

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

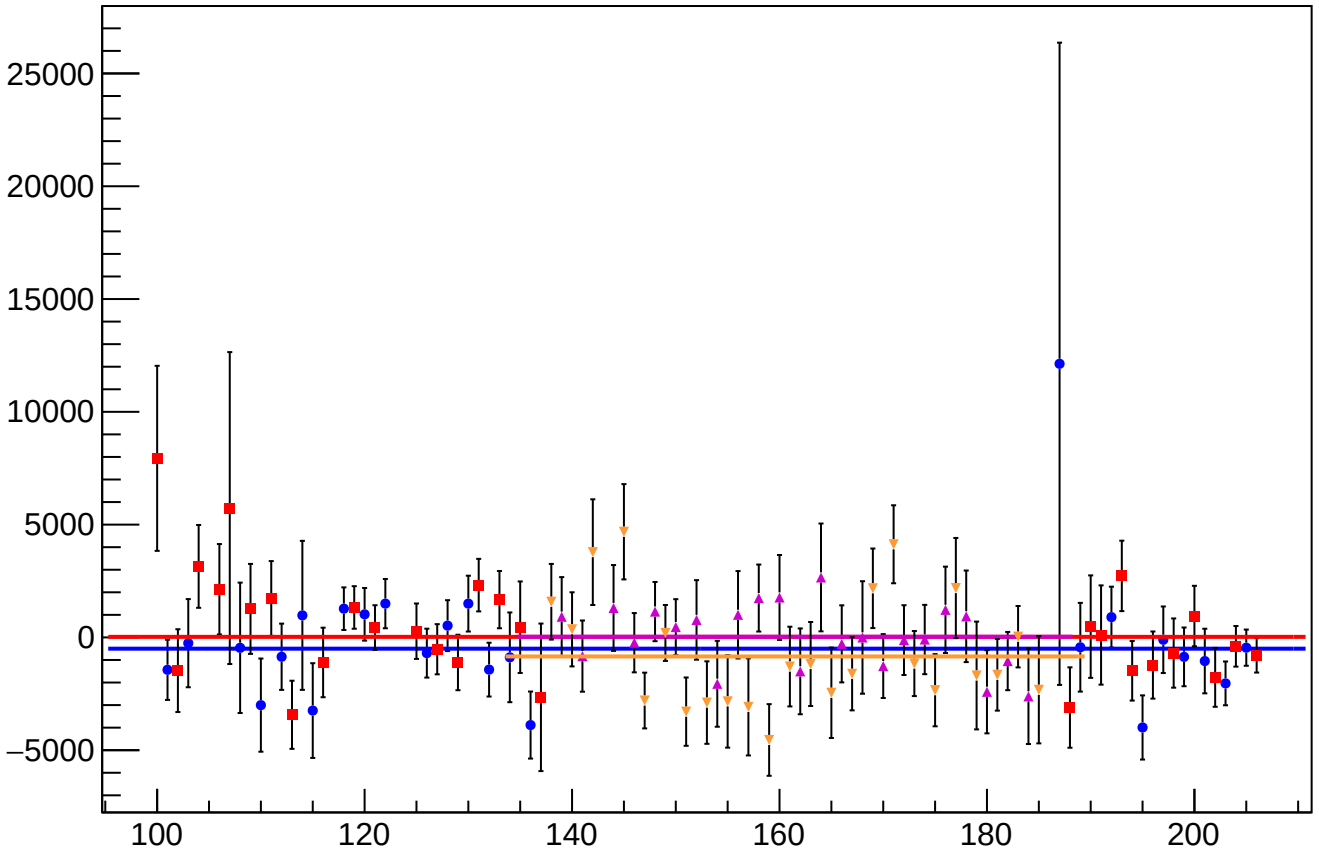
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1103.999+/-0.142 χ^2/NDF: 457593.6/54

In: 1102.794+/-0.137 χ^2/NDF:92369.7/47

Out: 1106.000+/-0.133 χ^2/NDF:371639.1/53

All: 1104.448+/-0.095 χ^2/NDF: 464291.0/101



Right In: -499.231+/-269.067 χ^2/NDF: 32.5/24

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: 24.837+/-257.899 χ^2/NDF: 37.9/28

Left In: 31.387+/-346.155 χ^2/NDF:13.1/22

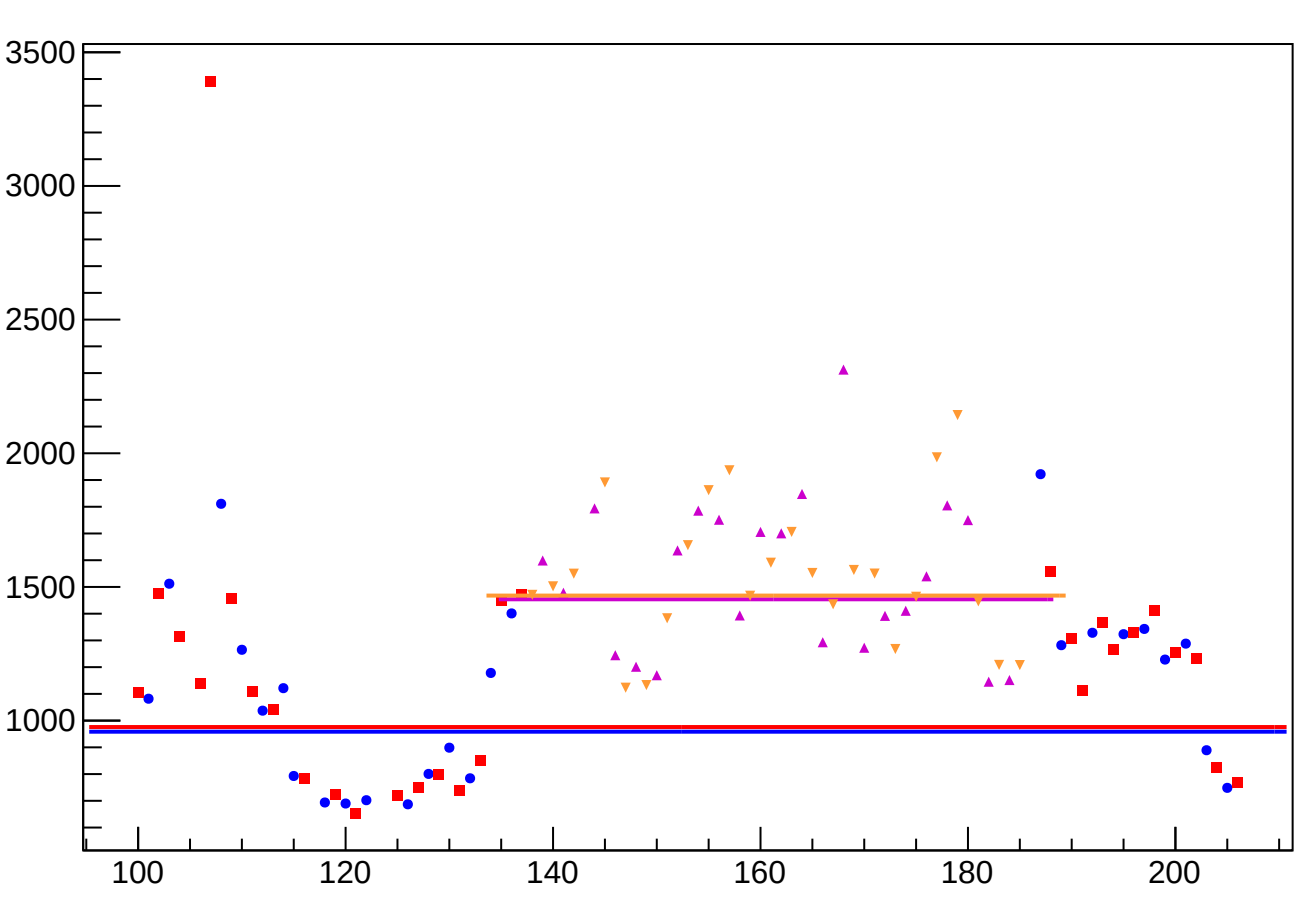
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -226.096+/-186.185 χ^2/NDF: 72.4/53

In: -299.381+/-212.438 χ^2/NDF:47.0/47

Out: -283.449+/-207.105 χ^2/NDF:85.9/52

All: -291.213+/-148.295 χ^2/NDF: 133.0/100



Right In: 958.581+/-0.190 χ^2/NDF: 2026243.4/24

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 975.944+/-0.182 χ^2/NDF: 2589679.2/28

Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

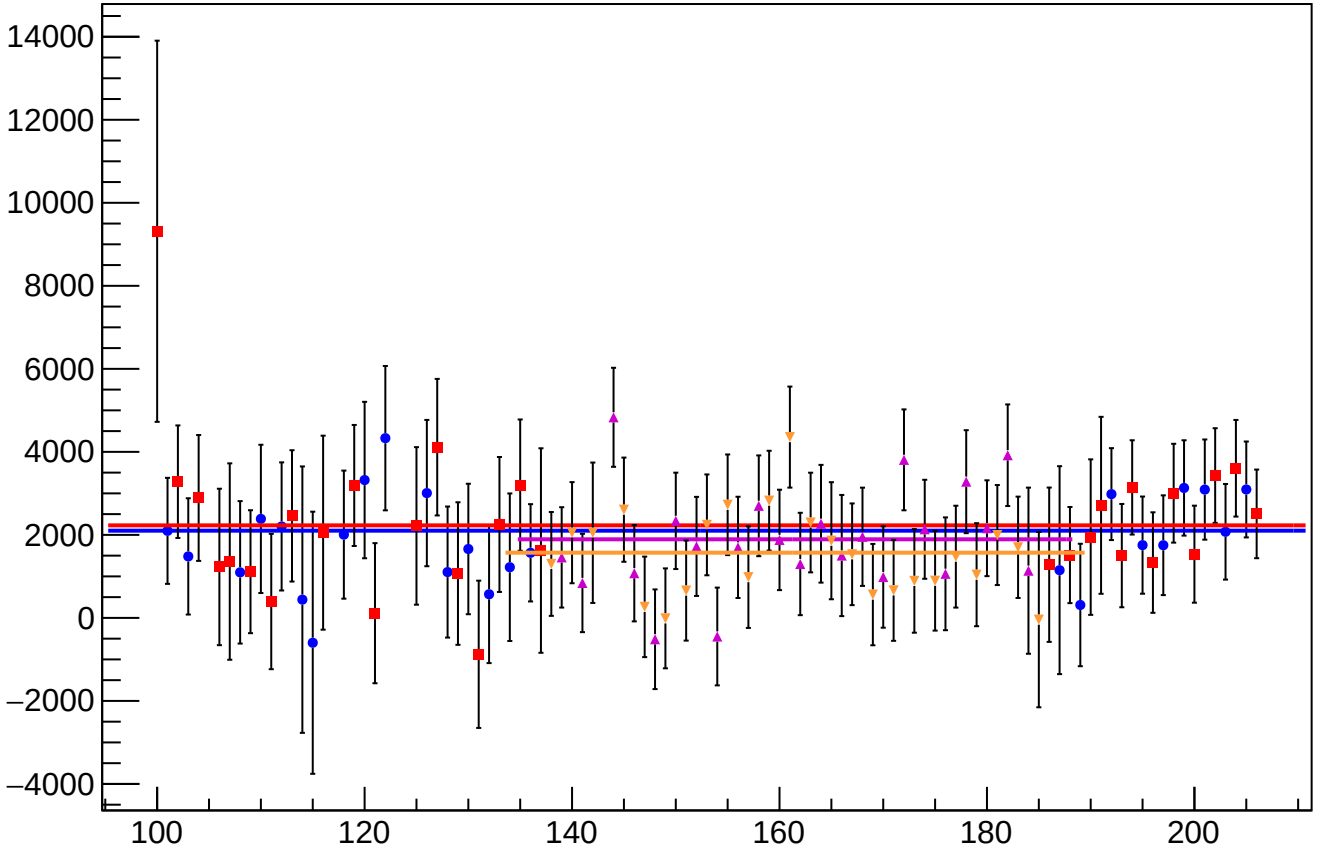
Right: 967.630+/-0.132 χ^2/NDF: 4620263.4/53

In: 1145.111+/-0.150 χ^2/NDF:5706263.9/47

Out: 1150.575+/-0.146 χ^2/NDF:6213803.5/52

All: 1147.913+/-0.105 χ^2/NDF: 11920745.9/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2229.202+/-272.803 χ^2/NDF: 18.3/29

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

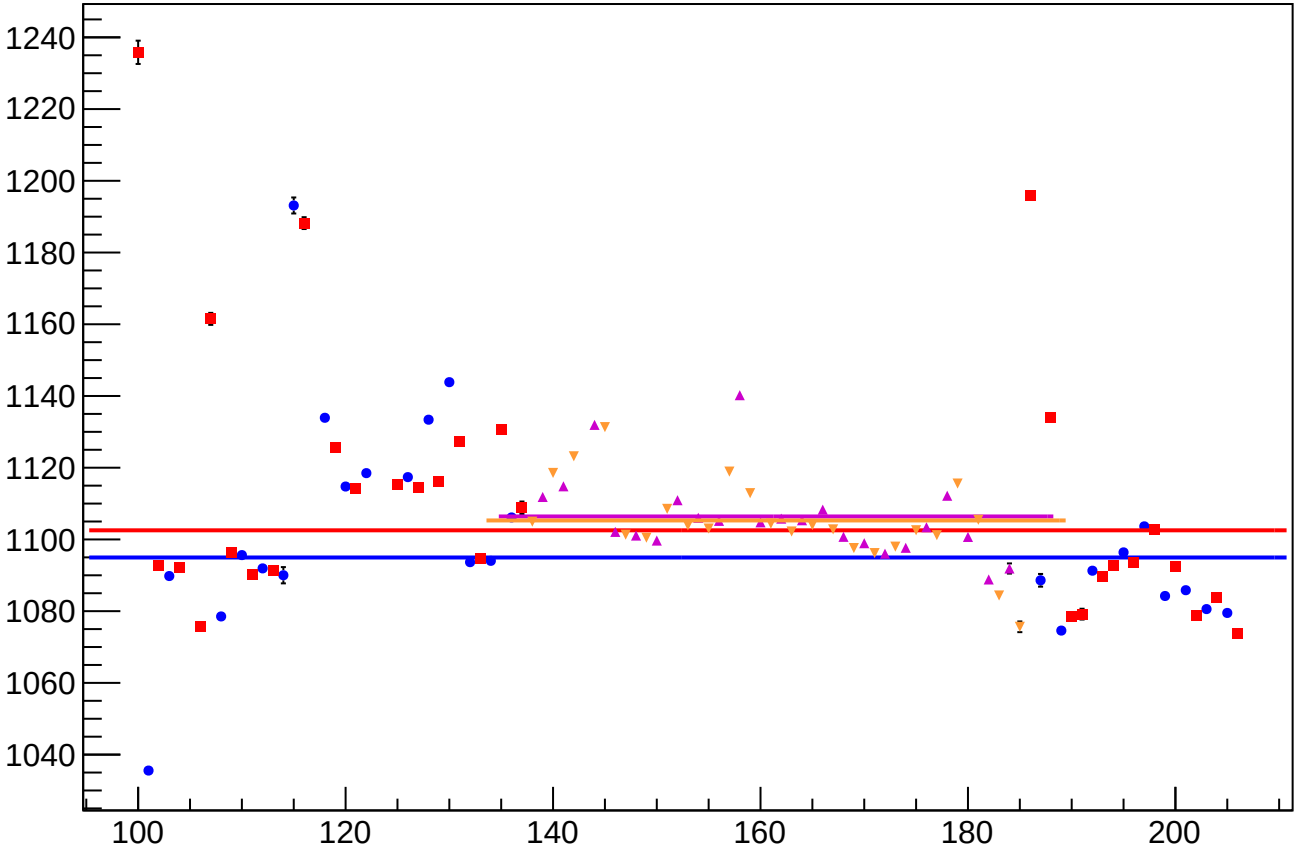
Right: 2169.556+/-199.184 χ^2/NDF: 28.8/54

In: 1984.894+/-193.340 χ^2/NDF:34.7/47

Out: 1879.922+/-186.885 χ^2/NDF:36.8/53

All: 1930.626+/-134.372 χ^2/NDF: 71.6/101

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

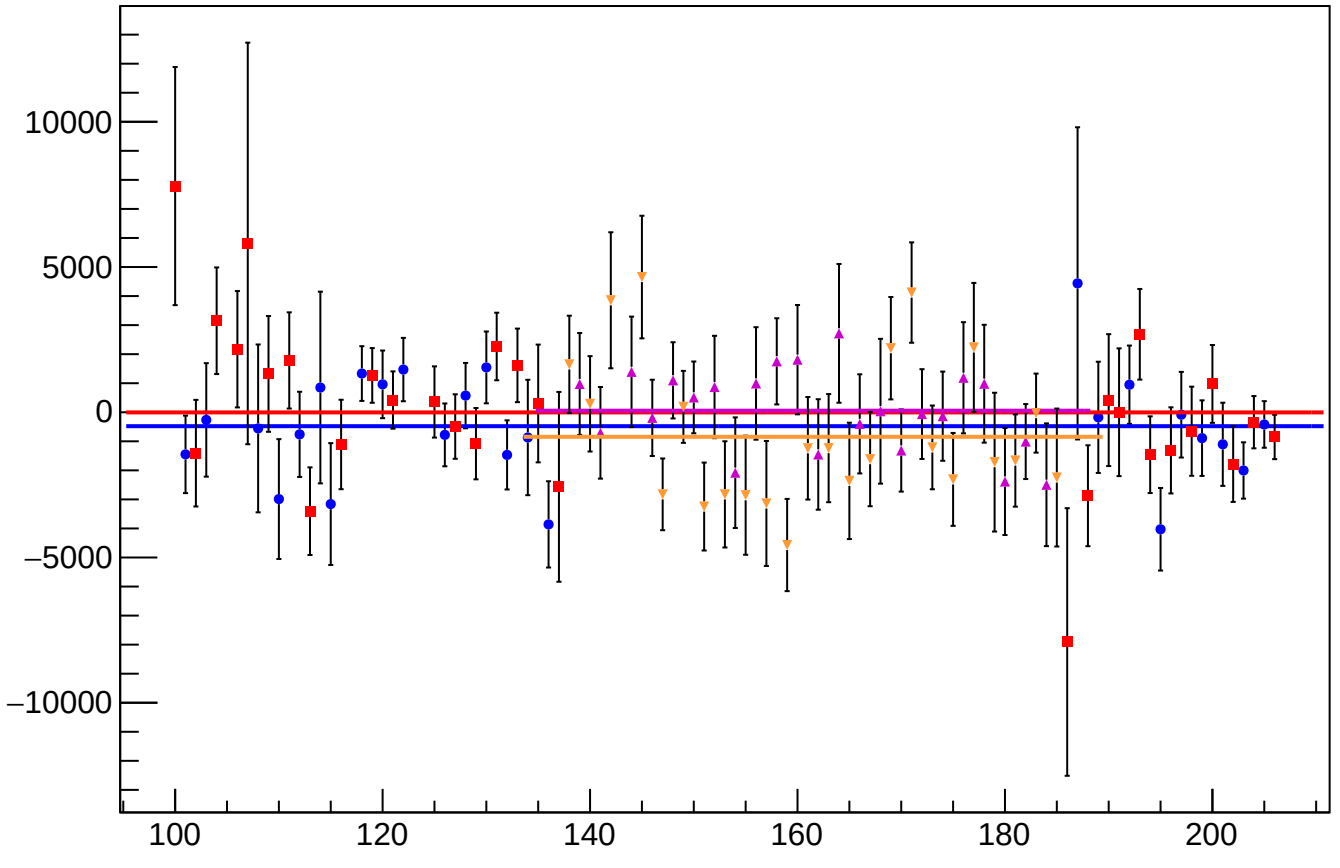
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.004+/-0.141 χ^2/NDF: 33209.4/54

In: 1101.373+/-0.137 χ^2/NDF:18959.1/47

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

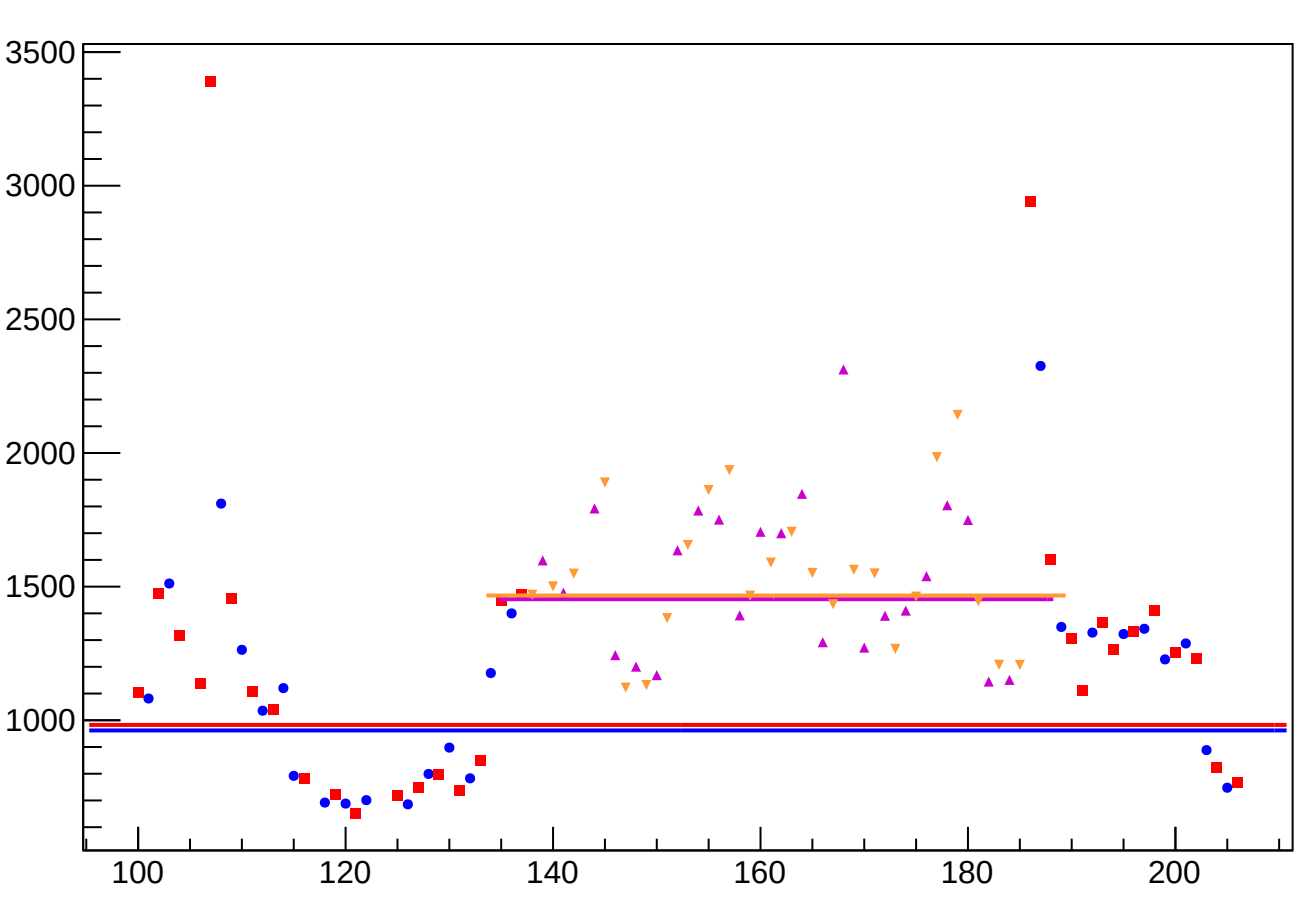
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -232.088+/-185.616 χ^2/NDF: 74.5/54

In: -278.924+/-212.022 χ^2/NDF:47.4/47

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -290.861+/-147.977 χ^2/NDF: 135.3/101



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

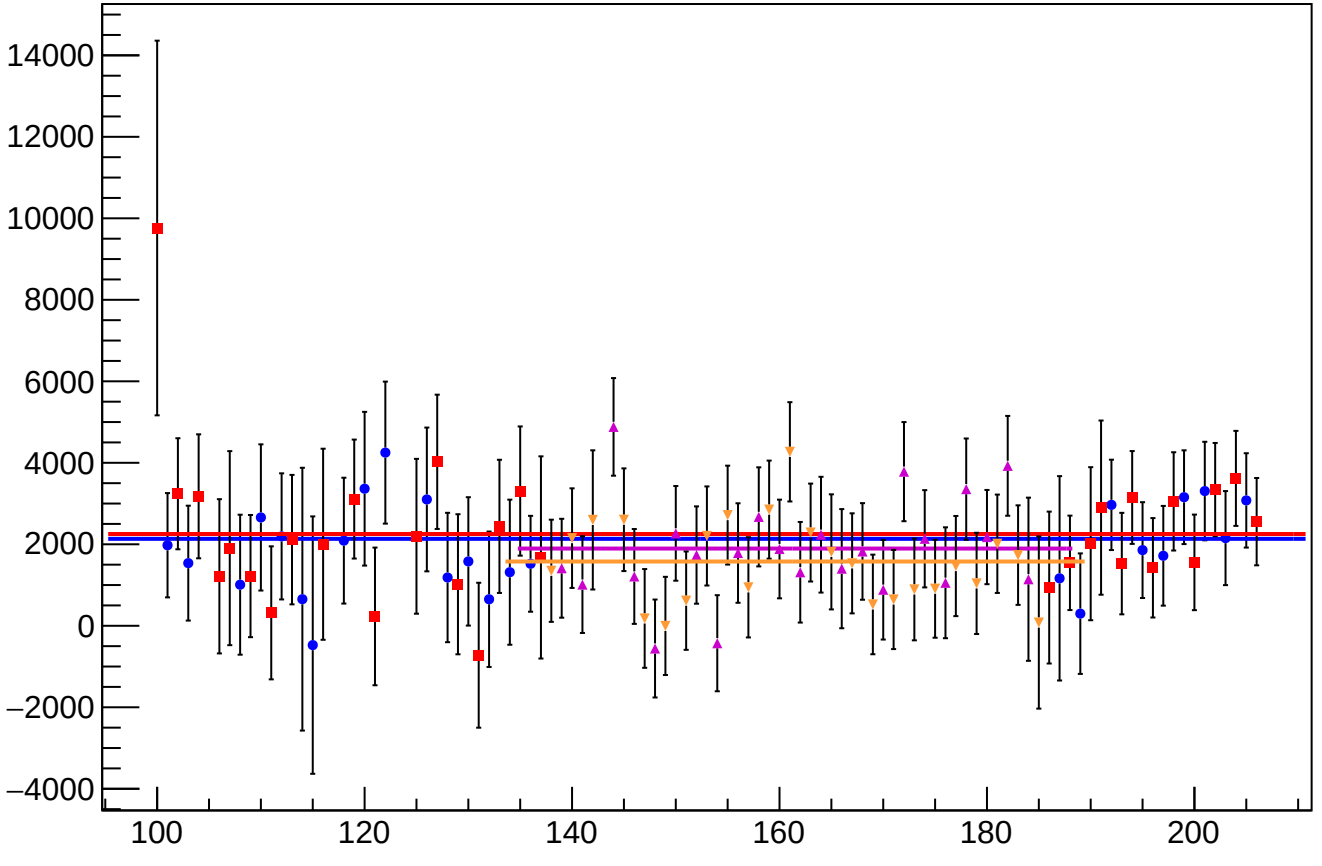
Right: 972.721+/-0.131 χ^2/NDF: 5198460.0/54

In: 1146.389+/-0.150 χ^2/NDF:5828451.2/47

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1150.265+/-0.105 χ^2/NDF: 12393821.3/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2134.085+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2252.298+/-273.858 χ^2/NDF: 18.1/29

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

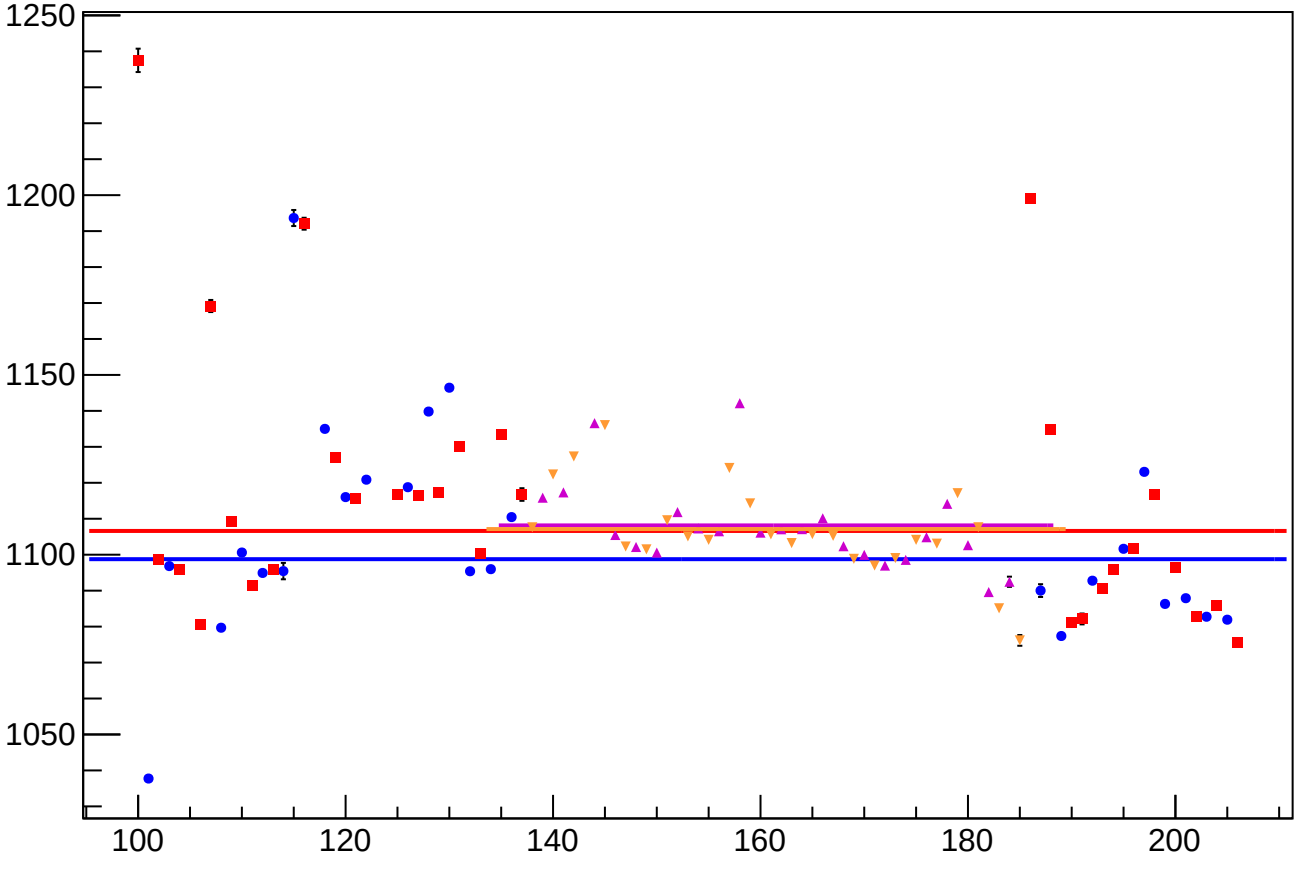
Right: 2197.085+/-199.924 χ^2/NDF: 28.6/54

In: 2000.253+/-193.813 χ^2/NDF:34.9/47

Out: 1893.443+/-187.404 χ^2/NDF:36.9/53

All: 1945.053+/-134.723 χ^2/NDF: 71.9/101

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

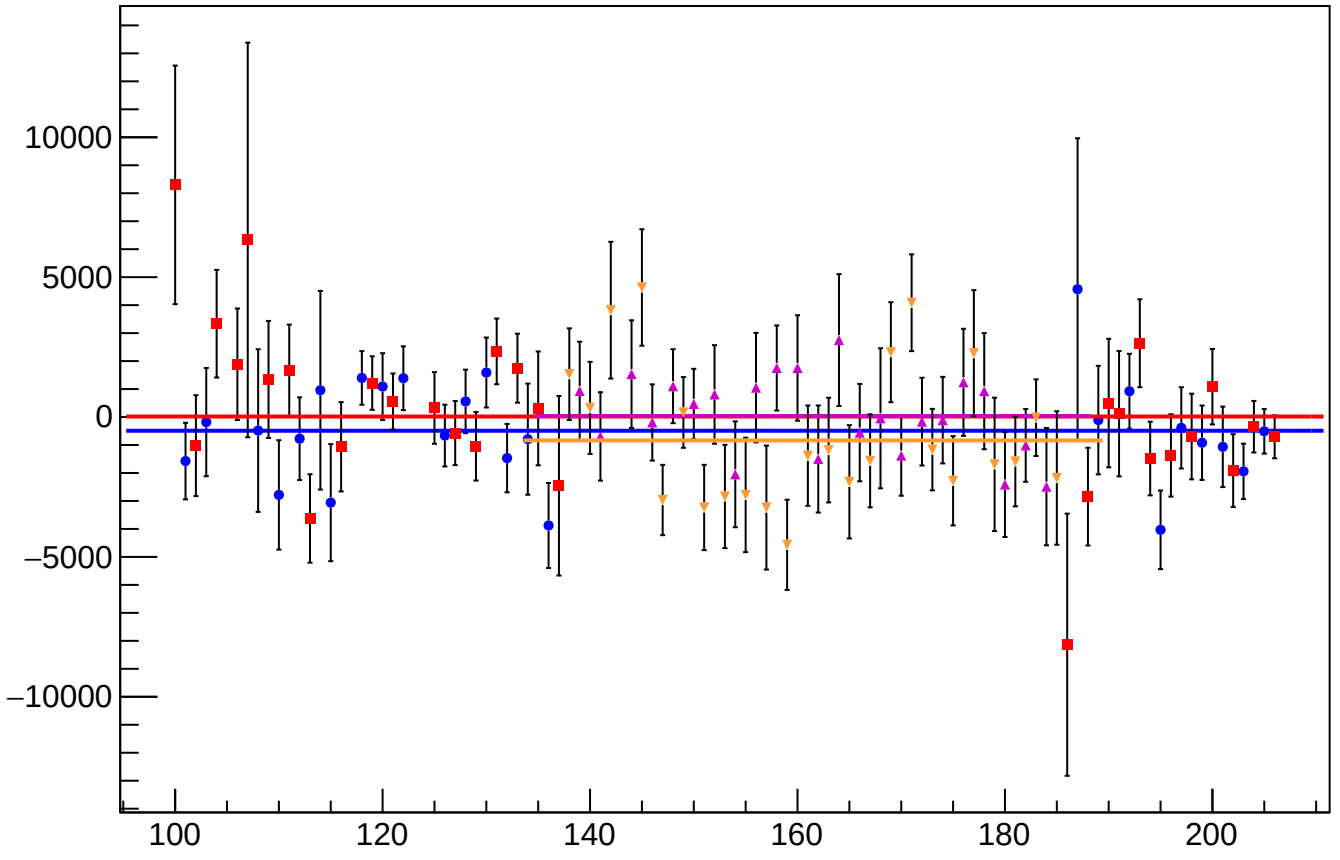
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1102.940+/-0.141 χ^2/NDF: 33983.6/54

In: 1104.024+/-0.137 χ^2/NDF:19696.9/47

Out: 1106.883+/-0.133 χ^2/NDF:22653.2/53

All: 1105.502+/-0.095 χ^2/NDF: 42575.0/101



Right In: -489.533+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 19.401+/-259.981 χ^2/NDF: 40.2/29

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

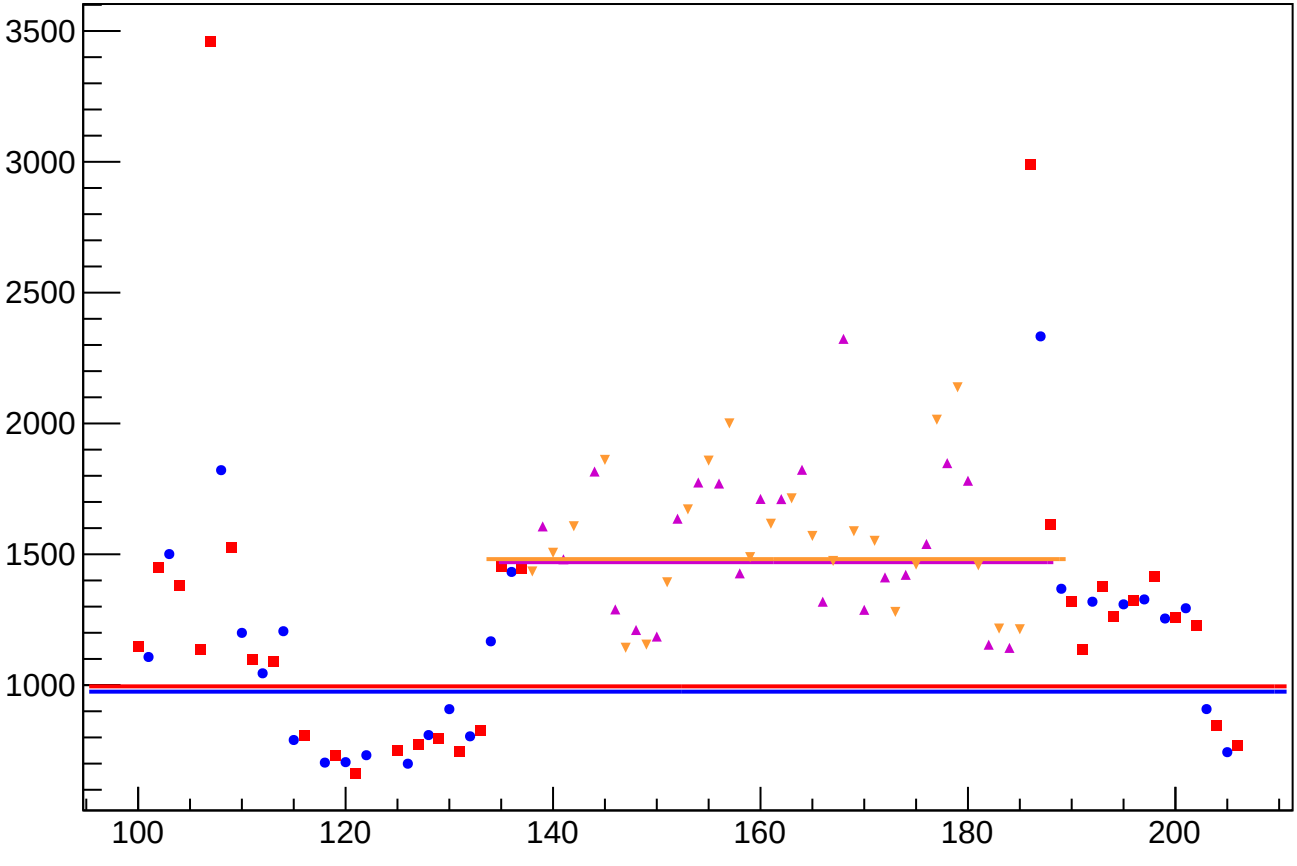
Right: -224.233+/-187.706 χ^2/NDF: 74.2/54

In: -292.215+/-214.338 χ^2/NDF:46.7/47

Out: -283.812+/-208.834 χ^2/NDF:87.6/53

All: -287.904+/-149.576 χ^2/NDF: 134.3/101

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 975.006+/-0.192 χ^2/NDF: 2092327.1/24

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 995.254+/-0.184 χ^2/NDF: 2954011.2/29

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

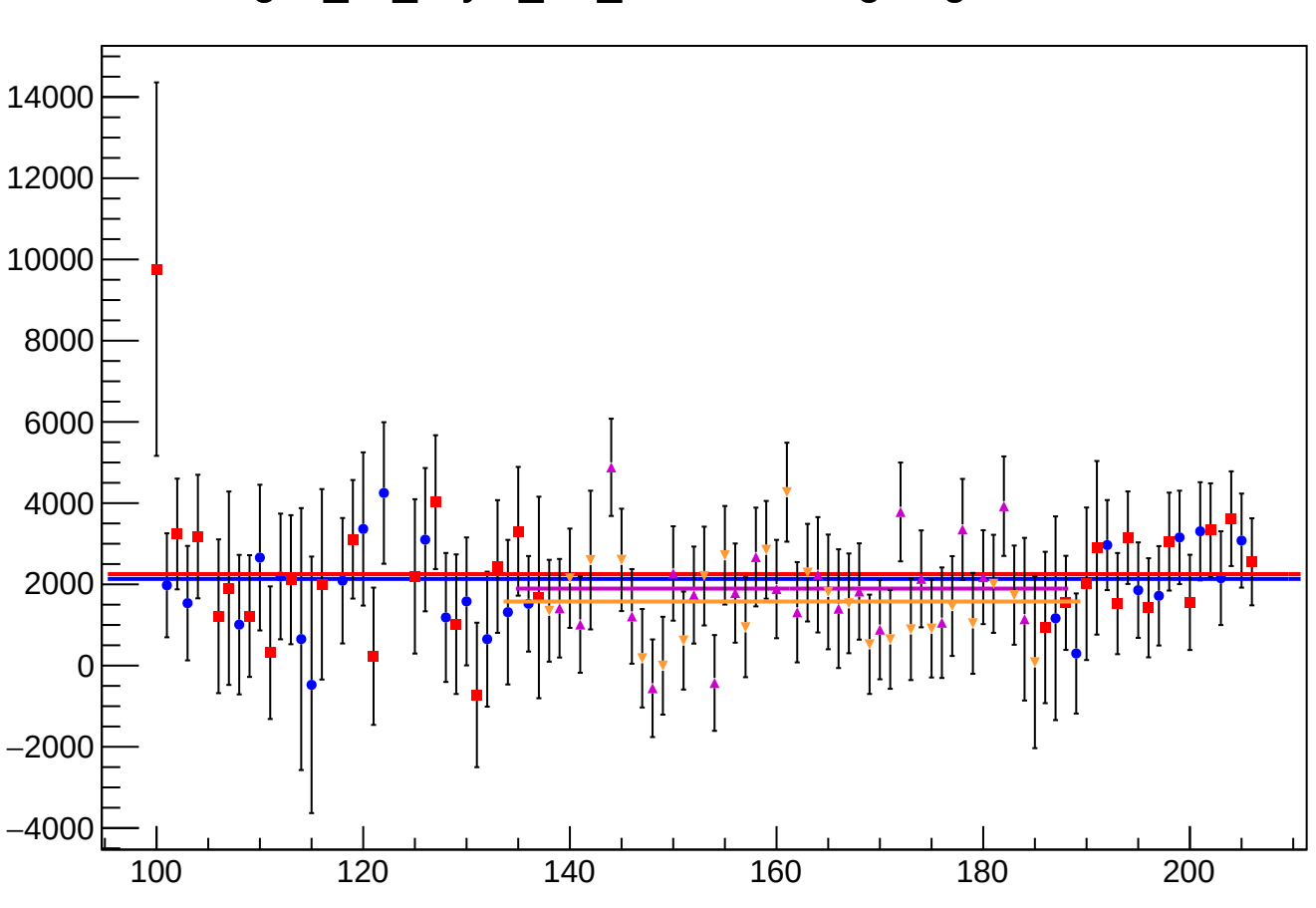
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 985.561+/-0.133 χ^2/NDF: 5052146.0/54

In: 1160.994+/-0.152 χ^2/NDF:5688609.1/47

Out: 1167.772+/-0.148 χ^2/NDF:6453905.2/53

All: 1164.471+/-0.106 χ^2/NDF: 12143540.3/1



Right In: 2134.084+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2252.297+/-273.858 χ^2/NDF: 18.1/29

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

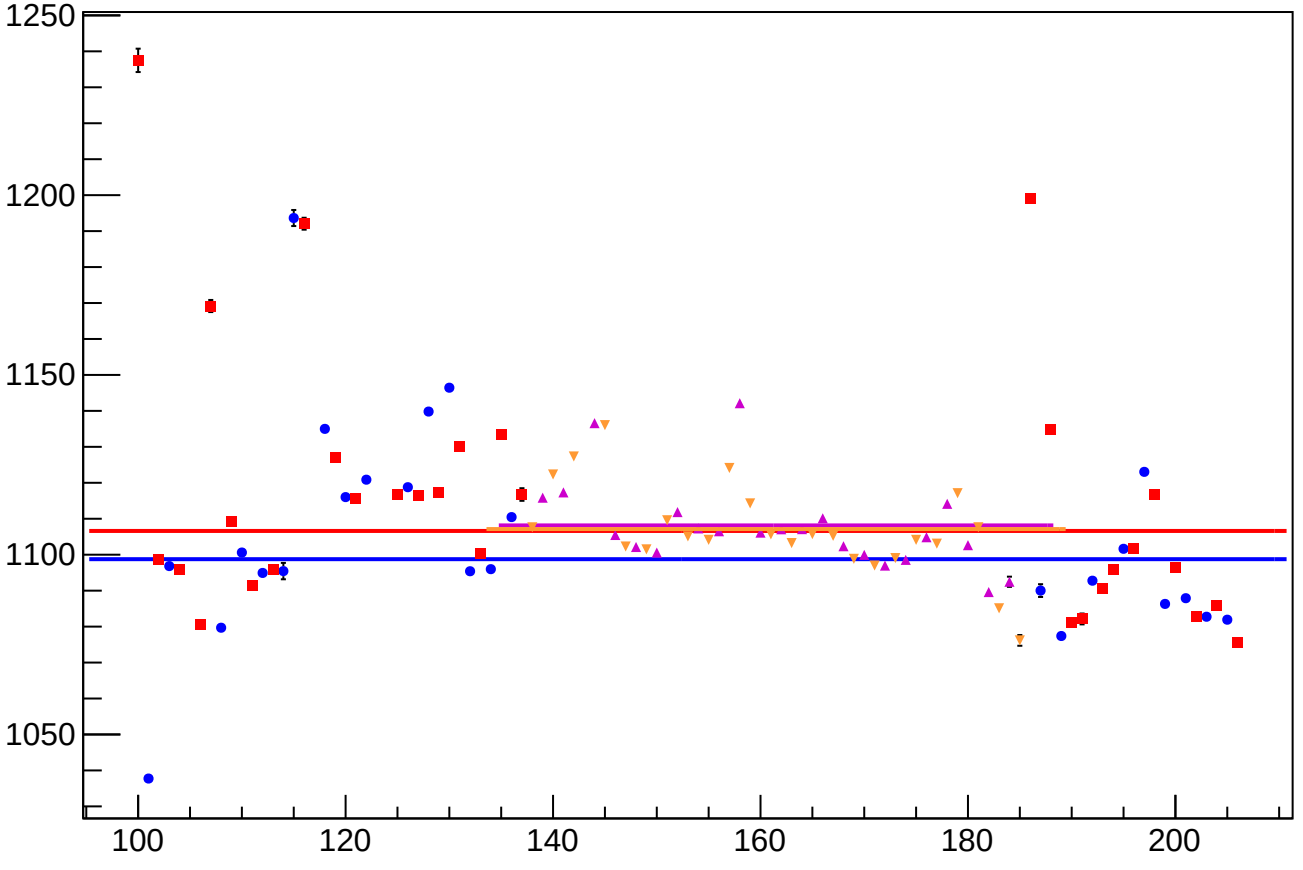
Right: 2197.084+/-199.924 χ^2/NDF: 28.6/54

In: 2000.253+/-193.813 χ^2/NDF:34.9/47

Out: 1893.441+/-187.404 χ^2/NDF:36.9/53

All: 1945.052+/-134.723 χ^2/NDF: 71.9/101

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

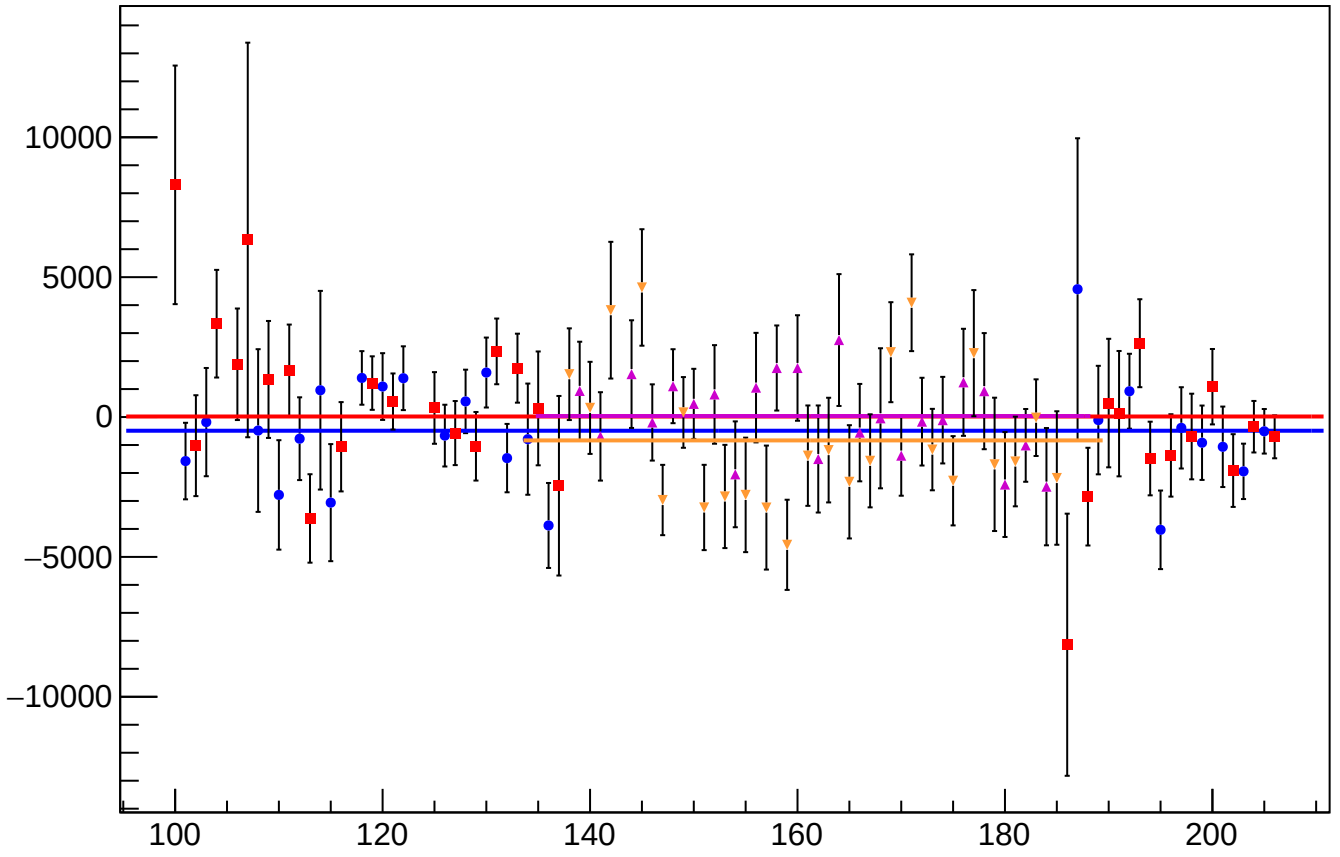
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1102.940+/-0.141 χ^2/NDF: 33983.6/54

In: 1104.024+/-0.137 χ^2/NDF:19696.9/47

Out: 1106.883+/-0.133 χ^2/NDF:22653.1/53

All: 1105.502+/-0.095 χ^2/NDF: 42575.0/101



Right In: -489.531+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 19.402+/-259.980 χ^2/NDF: 40.2/29

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

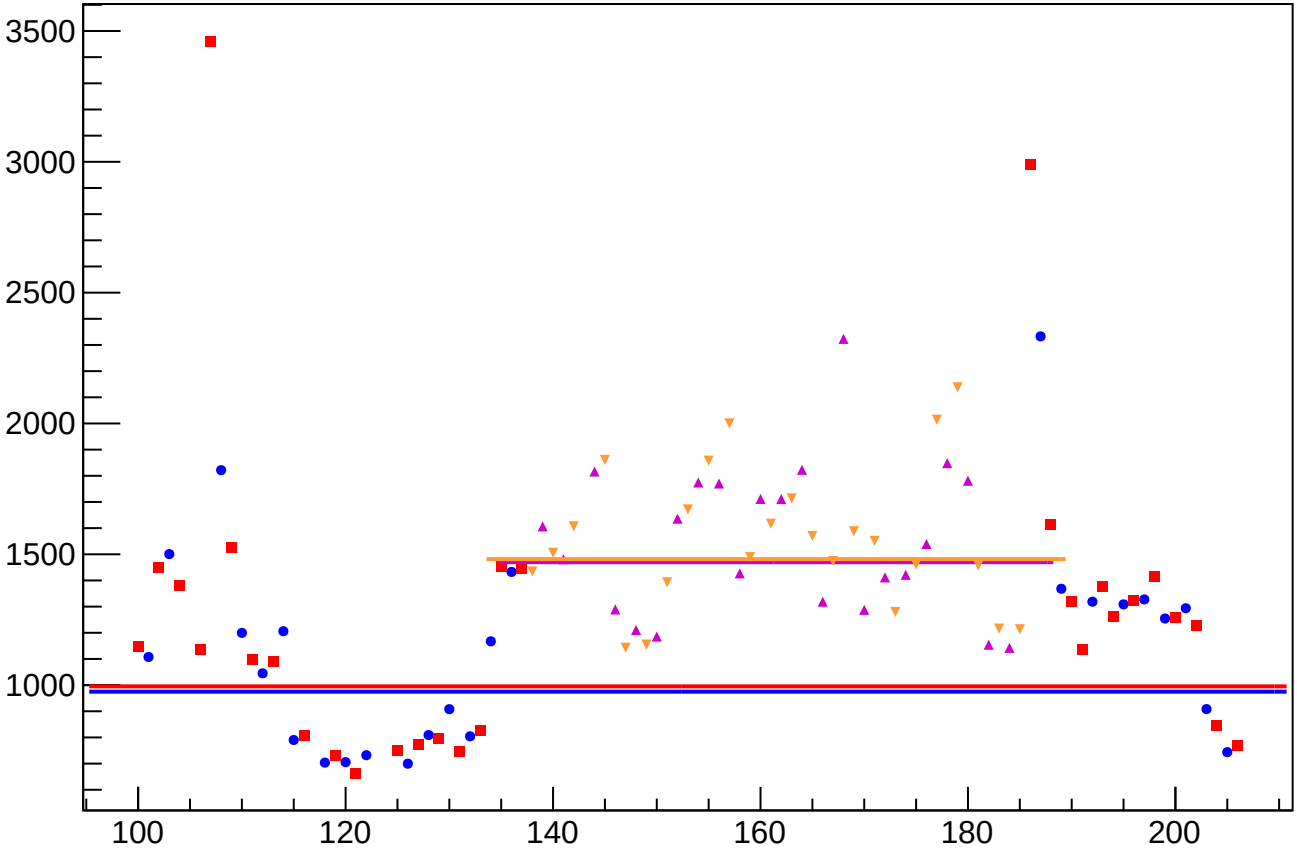
Right: -224.232+/-187.706 χ^2/NDF: 74.2/54

In: -292.214+/-214.338 χ^2/NDF:46.7/47

Out: -283.811+/-208.833 χ^2/NDF:87.6/53

All: -287.903+/-149.576 χ^2/NDF: 134.3/101

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 975.005+/-0.192 χ^2/NDF: 2092335.2/24

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 995.253+/-0.184 χ^2/NDF: 2954020.7/29

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

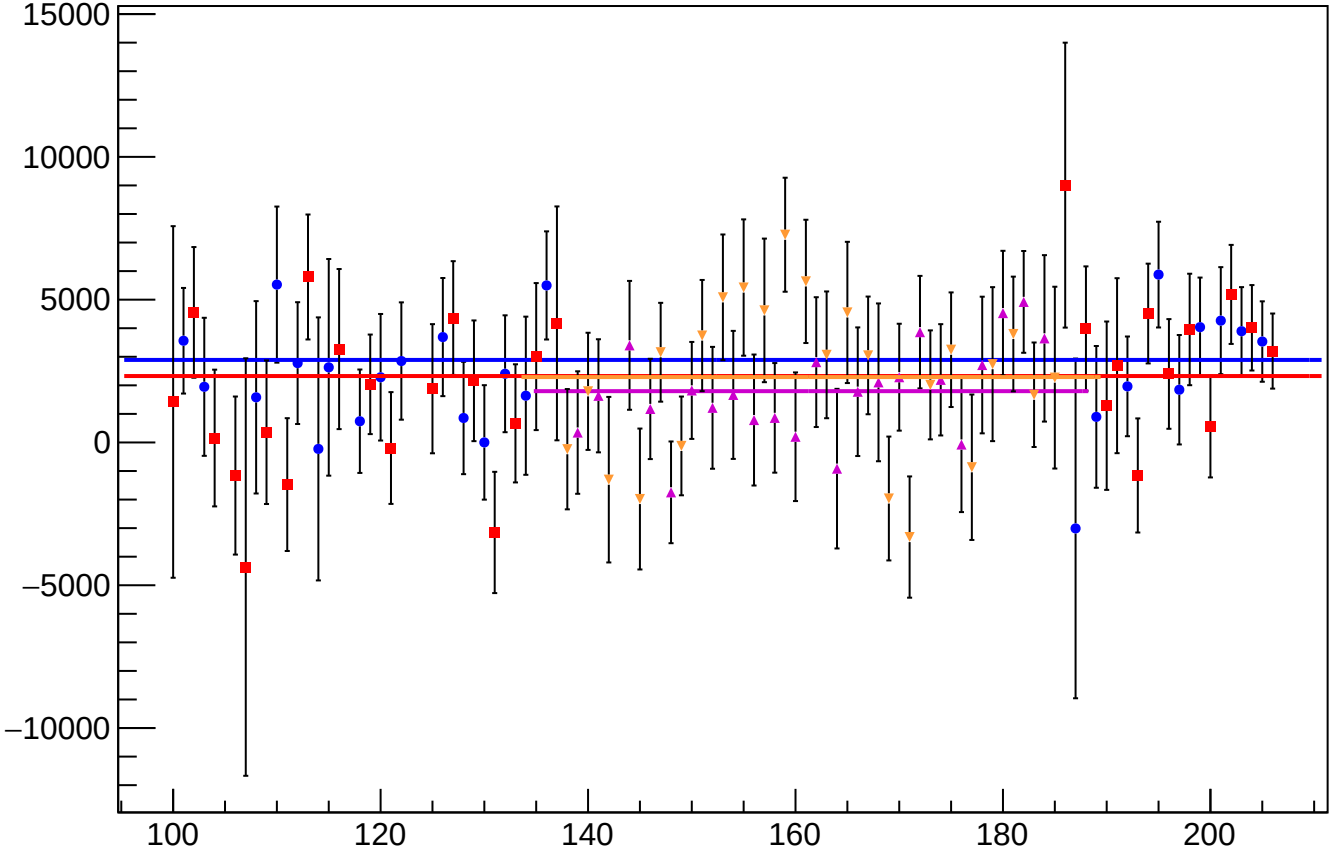
Right: 985.560+/-0.133 χ^2/NDF: 5052163.6/54

In: 1160.993+/-0.152 χ^2/NDF:5688639.5/47

Out: 1167.771+/-0.148 χ^2/NDF:6453938.6/53

All: 1164.470+/-0.106 χ^2/NDF: 12143604.2/

asym_usl_mean vs Slug, Sign Corrected



Right In: 2890.004+/-415.896 χ^2/NDF: 15.2/24

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 2325.659+/-395.070 χ^2/NDF: 33.7/29

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

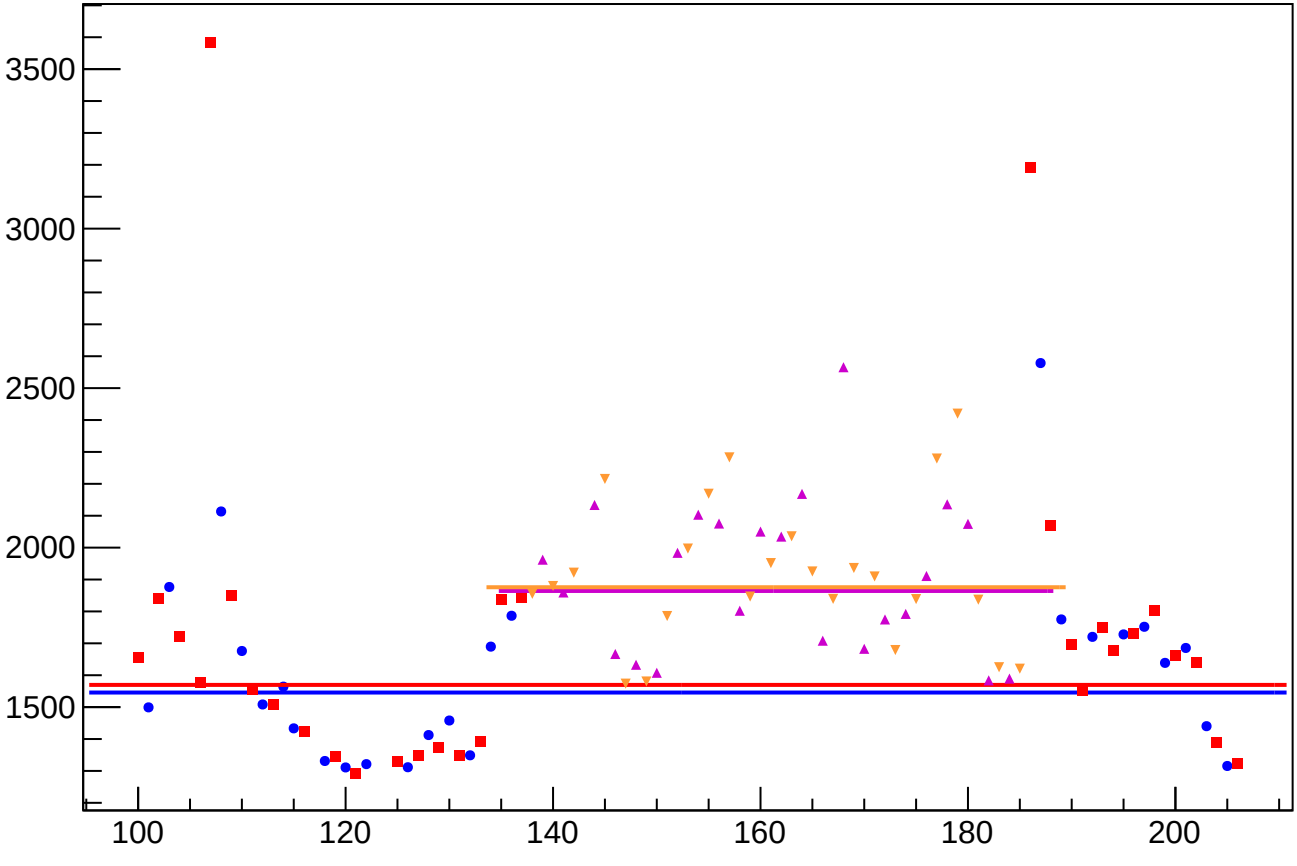
Right: 2593.348+/-286.436 χ^2/NDF: 49.9/54

In: 2372.870+/-301.967 χ^2/NDF:32.7/47

Out: 2309.582+/-293.761 χ^2/NDF:69.7/53

All: 2340.354+/-210.562 χ^2/NDF: 102.5/101

asym_usl_rms vs Slug, Sign Corrected



Right In: 1545.735+/-0.294 χ^2/NDF: 491333.8/24

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1569.661+/-0.279 χ^2/NDF: 922155.2/29

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

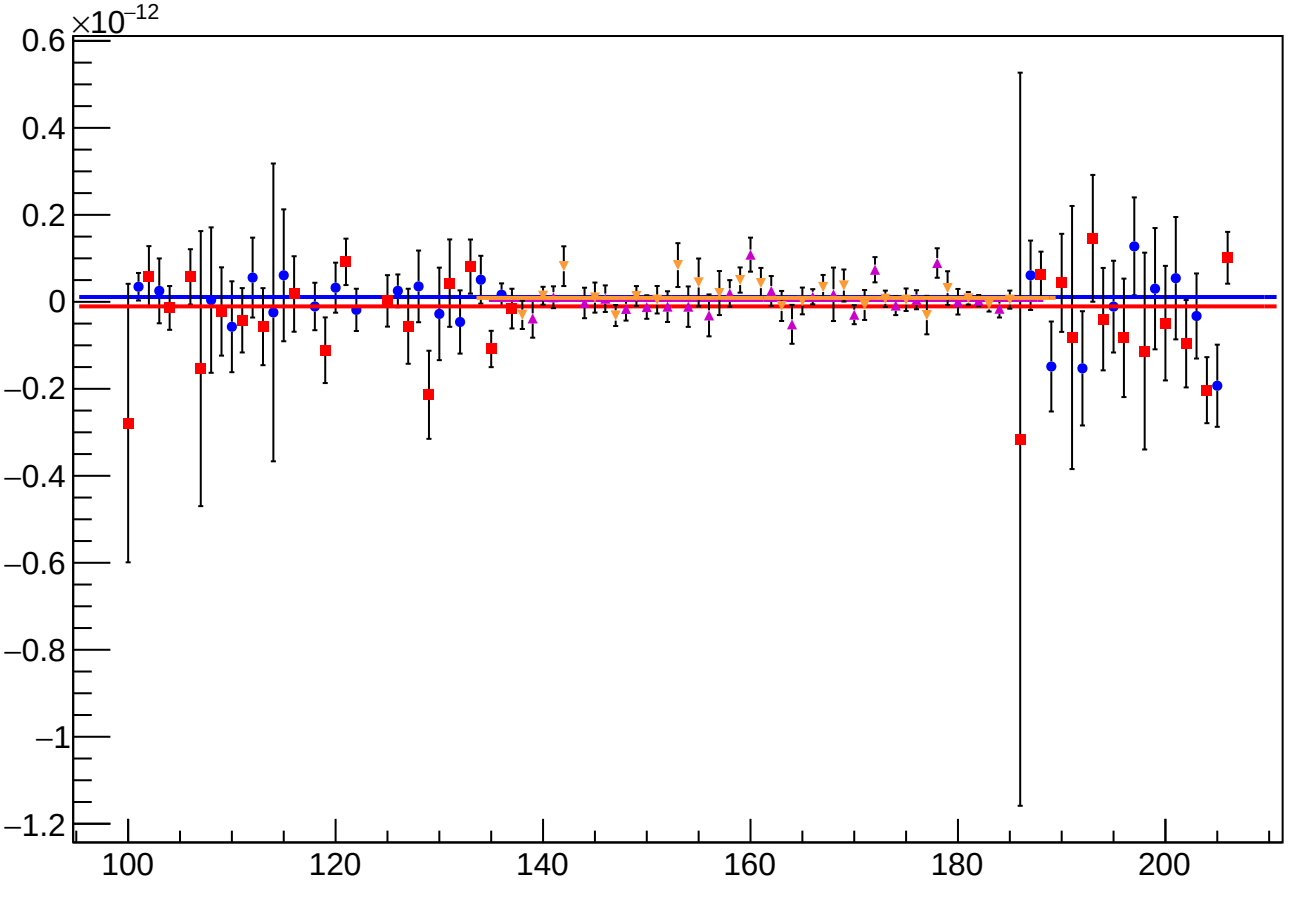
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1558.312+/-0.203 χ^2/NDF: 1416968.3/54

In: 1696.298+/-0.214 χ^2/NDF:1556287.7/47

Out: 1706.546+/-0.208 χ^2/NDF:1931722.0/53

All: 1701.563+/-0.149 χ^2/NDF: 3489193.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/29

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

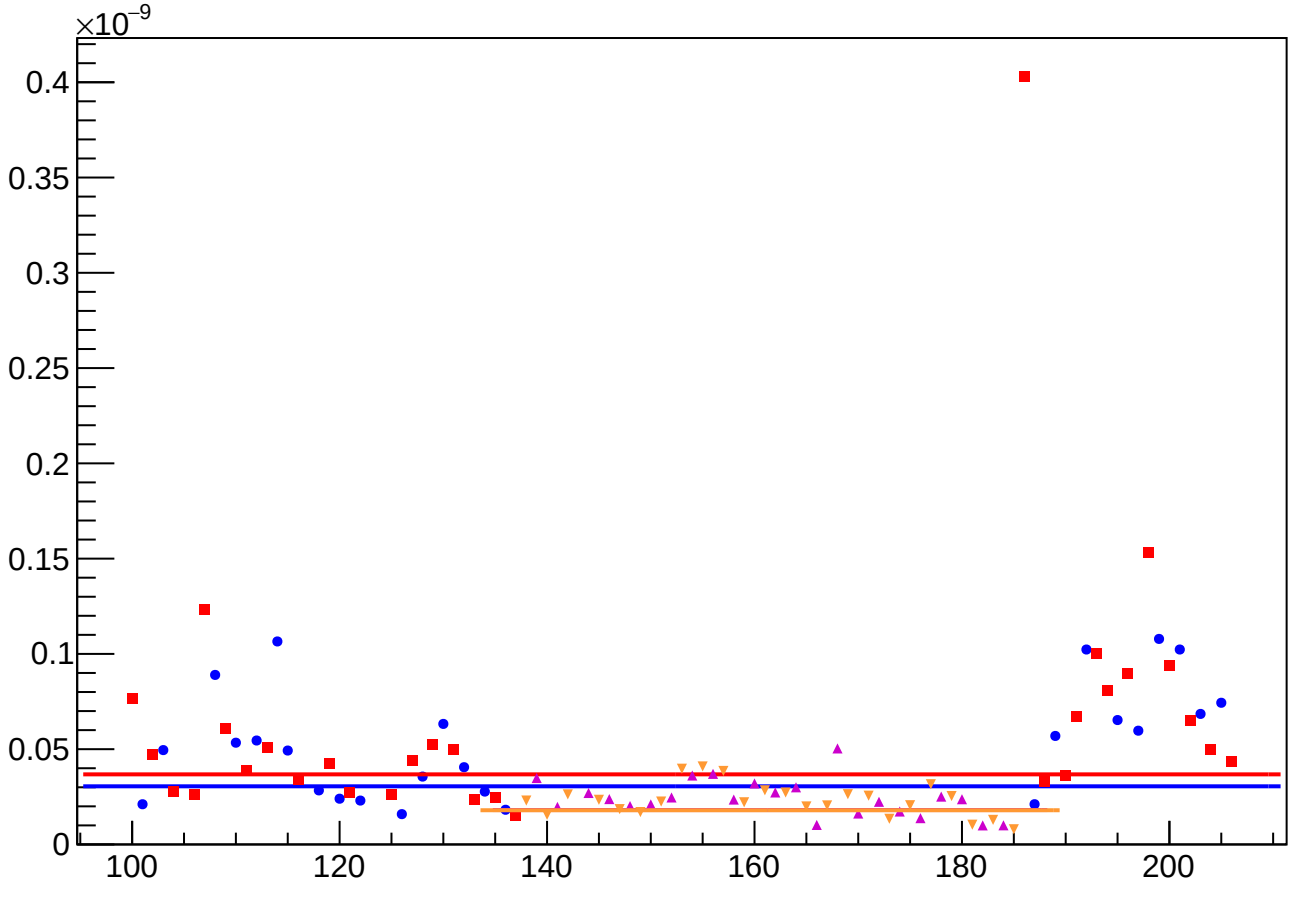
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 51.7/54

In: 0.000+/-0.000 χ^2/NDF:42.4/47

Out: 0.000+/-0.000 χ^2/NDF:54.6/53

All: 0.000+/-0.000 χ^2/NDF: 97.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4952921.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3974767.8/29

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

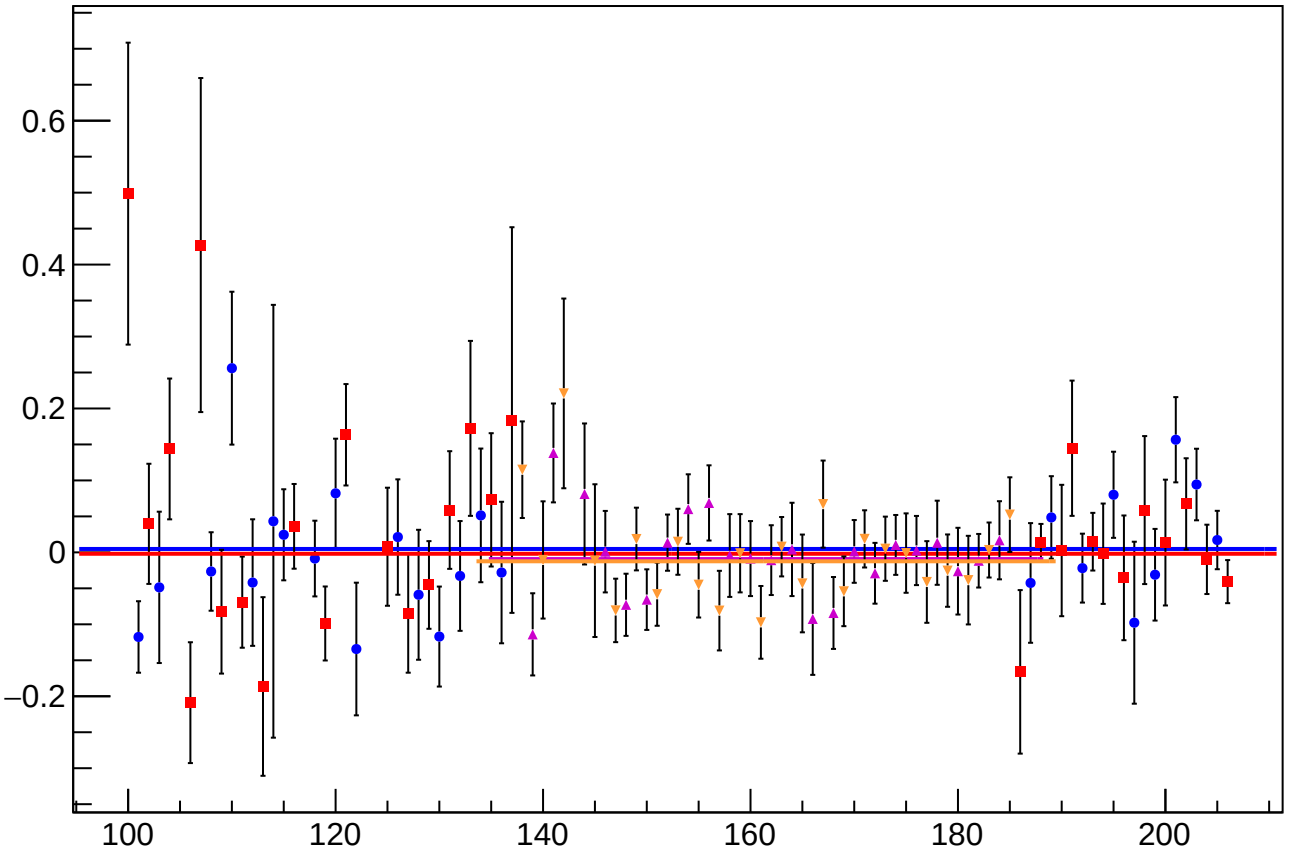
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9149656.8/54

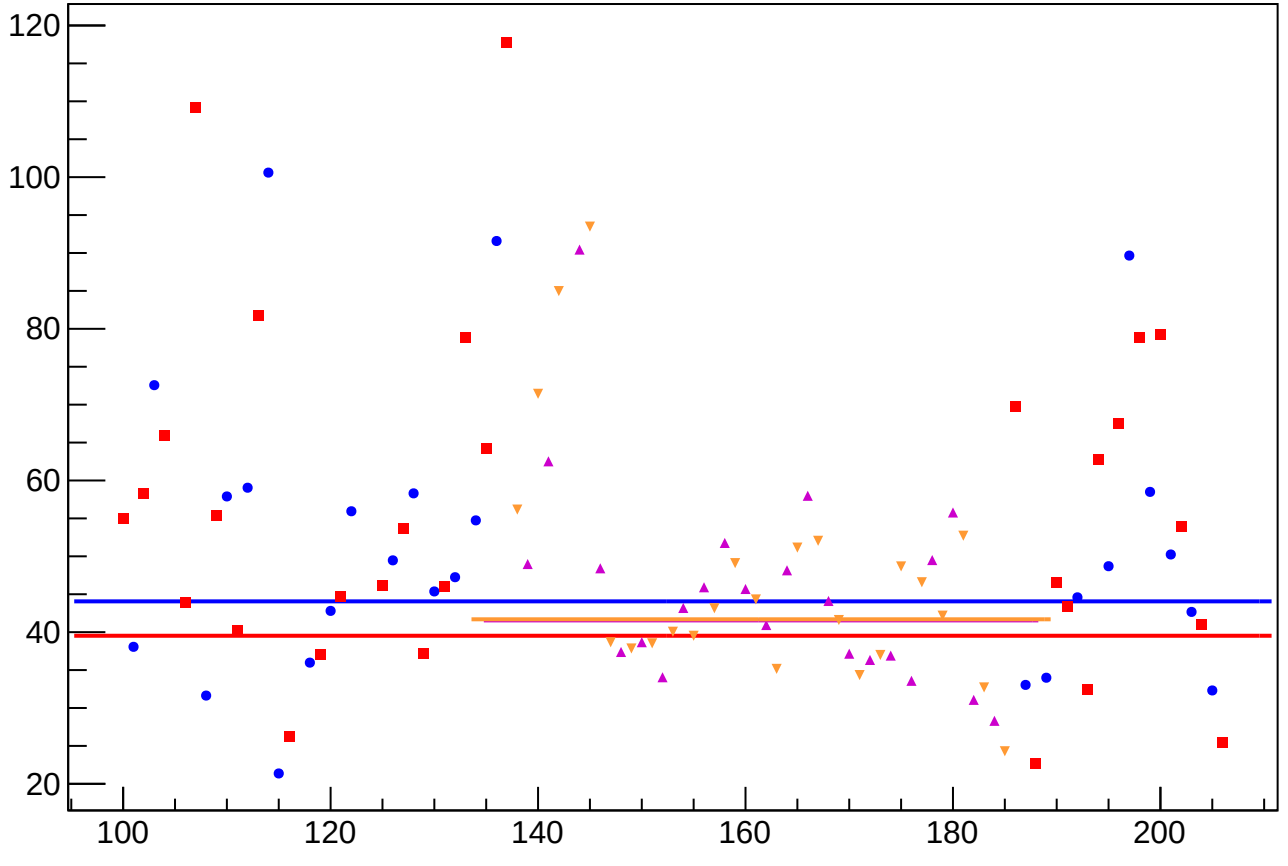
In: 0.000+/-0.000 χ^2/NDF:10765991.5/47

Out: 0.000+/-0.000 χ^2/NDF:10621579.5/53

All: 0.000+/-0.000 χ^2/NDF: 21394108.2/101


asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.005+/-0.013 χ²/NDF: 34.1/24
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.002+/-0.012 χ²/NDF: 45.0/29
Left In: -0.009+/-0.010 χ²/NDF:21.9/22
Left: -0.011+/-0.007 χ²/NDF: 43.9/46
Right: 0.001+/-0.009 χ²/NDF: 79.3/54
In: -0.004+/-0.008 χ²/NDF:56.7/47
Out: -0.008+/-0.008 χ²/NDF:67.4/53
All: -0.006+/-0.006 χ²/NDF: 124.2/101

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

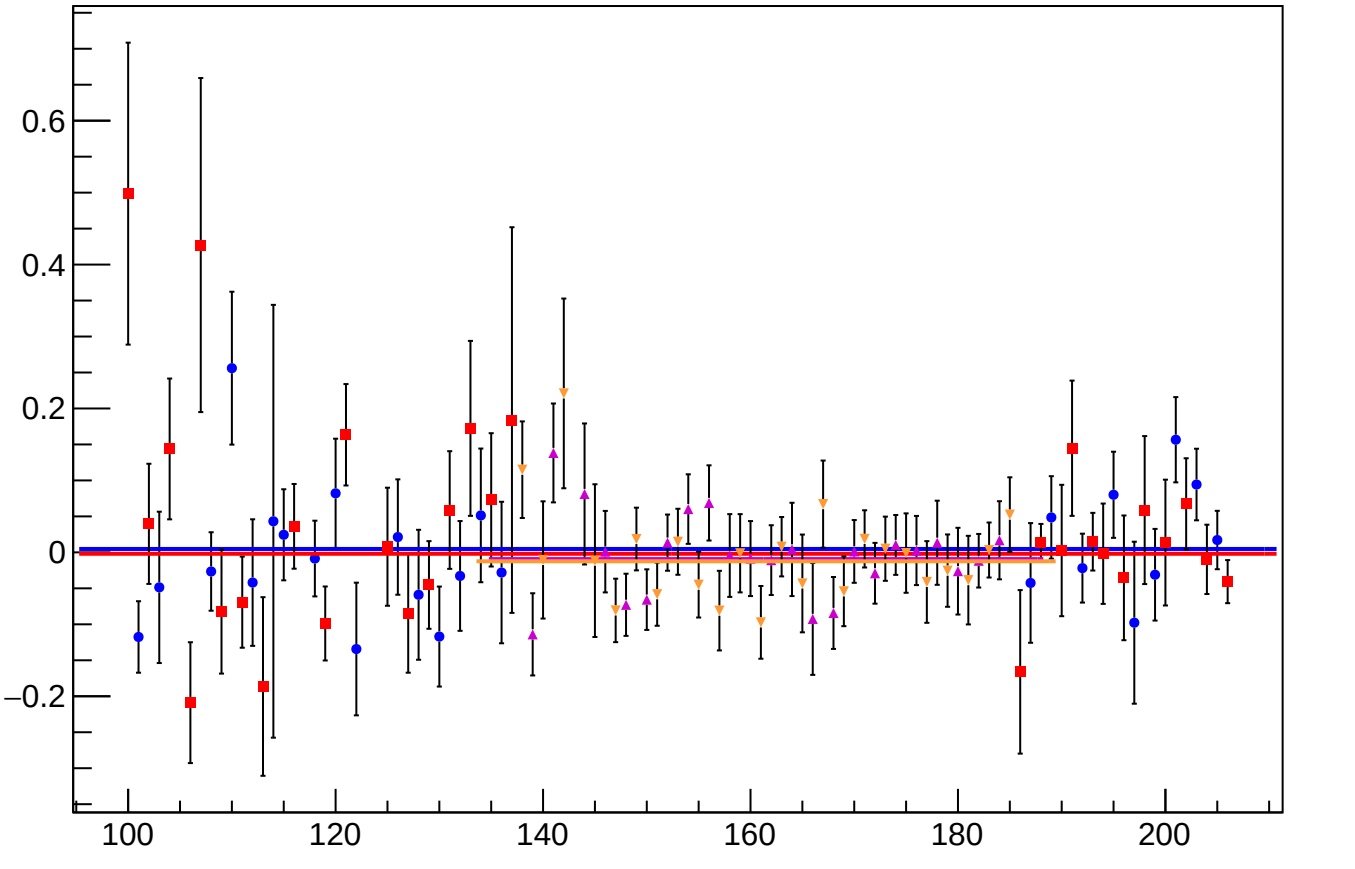
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.485+/-0.006 χ^2/NDF: 6383371.5/54

In: 42.509+/-0.006 χ^2/NDF:3724751.1/47

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 41.565+/-0.004 χ^2/NDF: 9818618.1/101



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

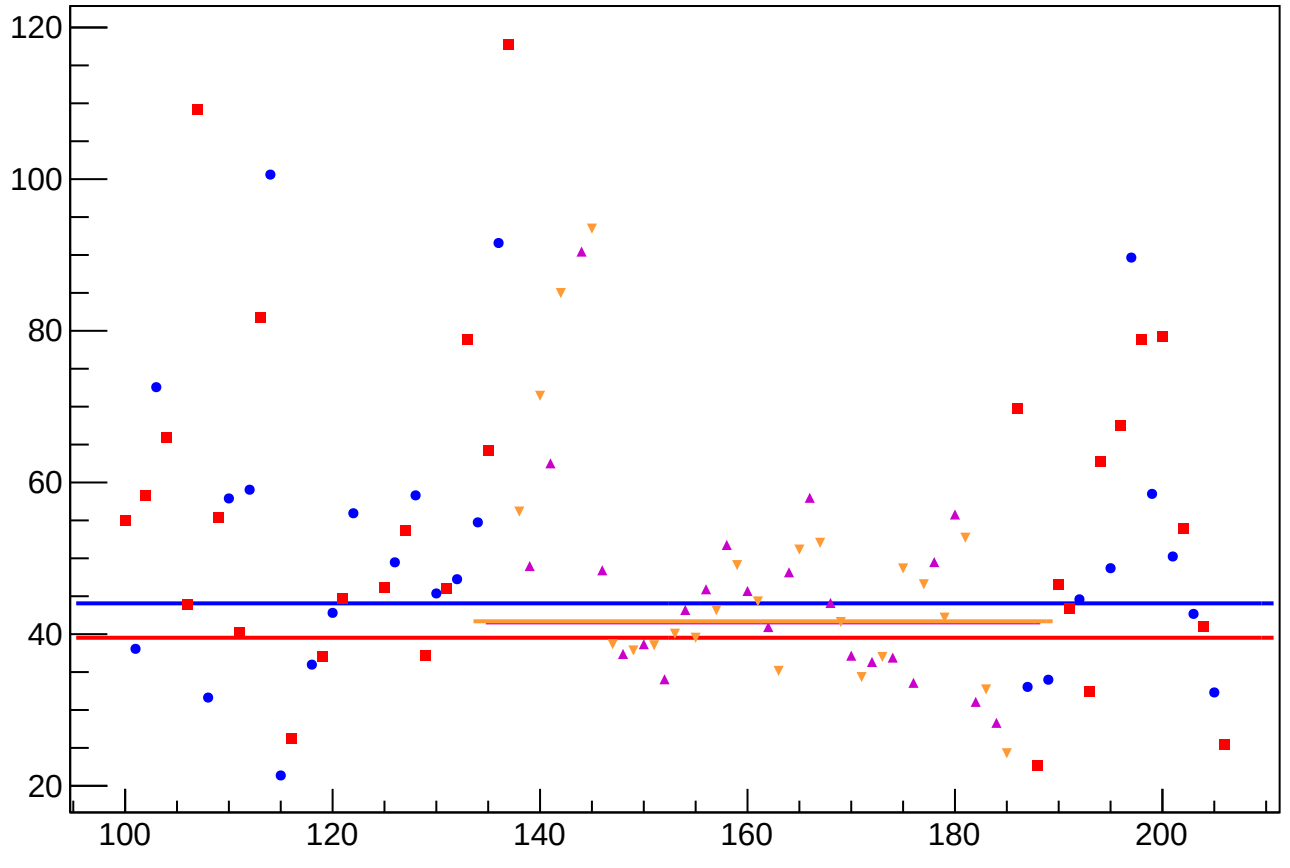
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.009 χ^2/NDF: 79.3/54

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.2/101



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

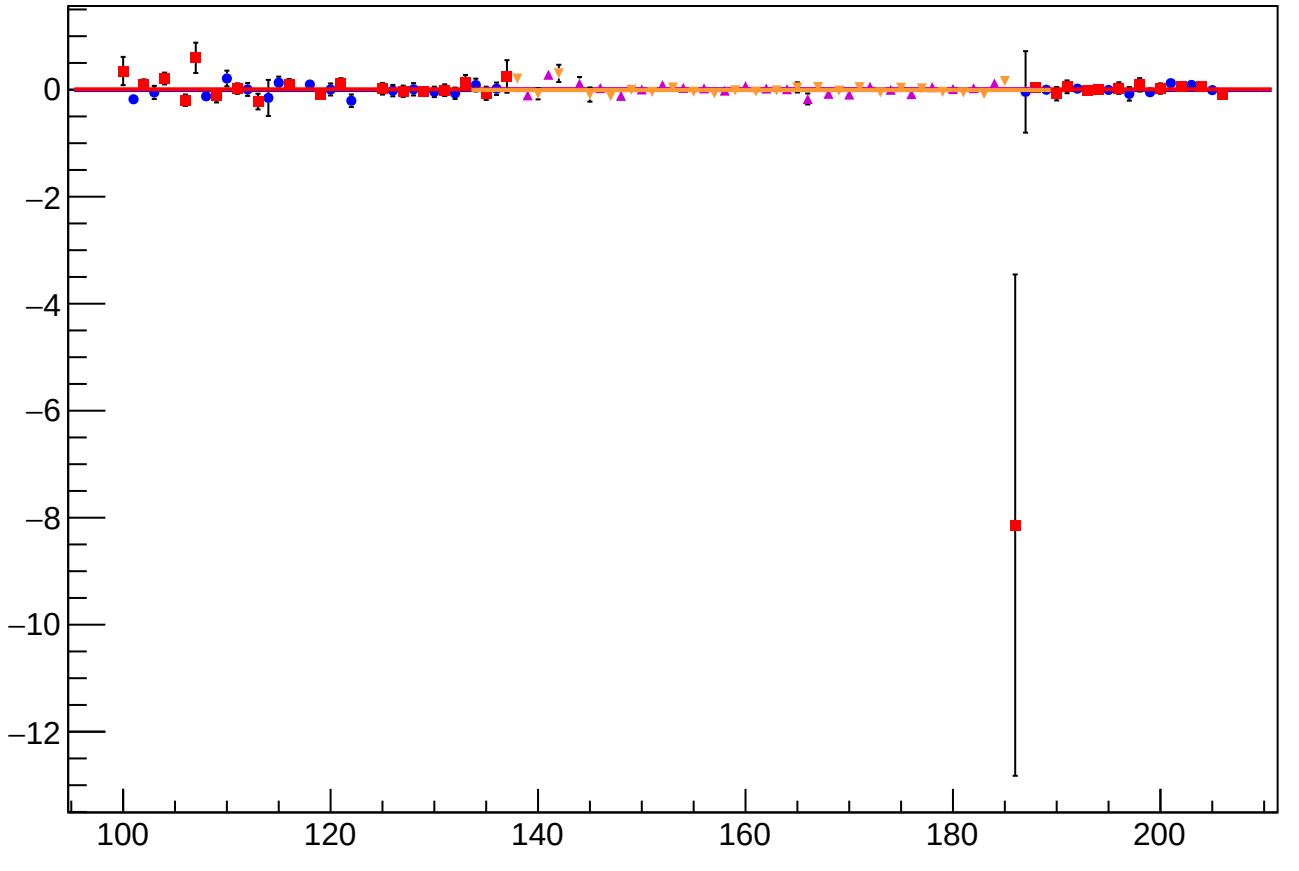
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.485+/-0.006 χ^2/NDF: 6383371.5/54

In: 42.509+/-0.006 χ^2/NDF:3724751.1/47

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 41.565+/-0.004 χ^2/NDF: 9818618.1/101



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.017 χ^2/NDF: 32.2/29

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

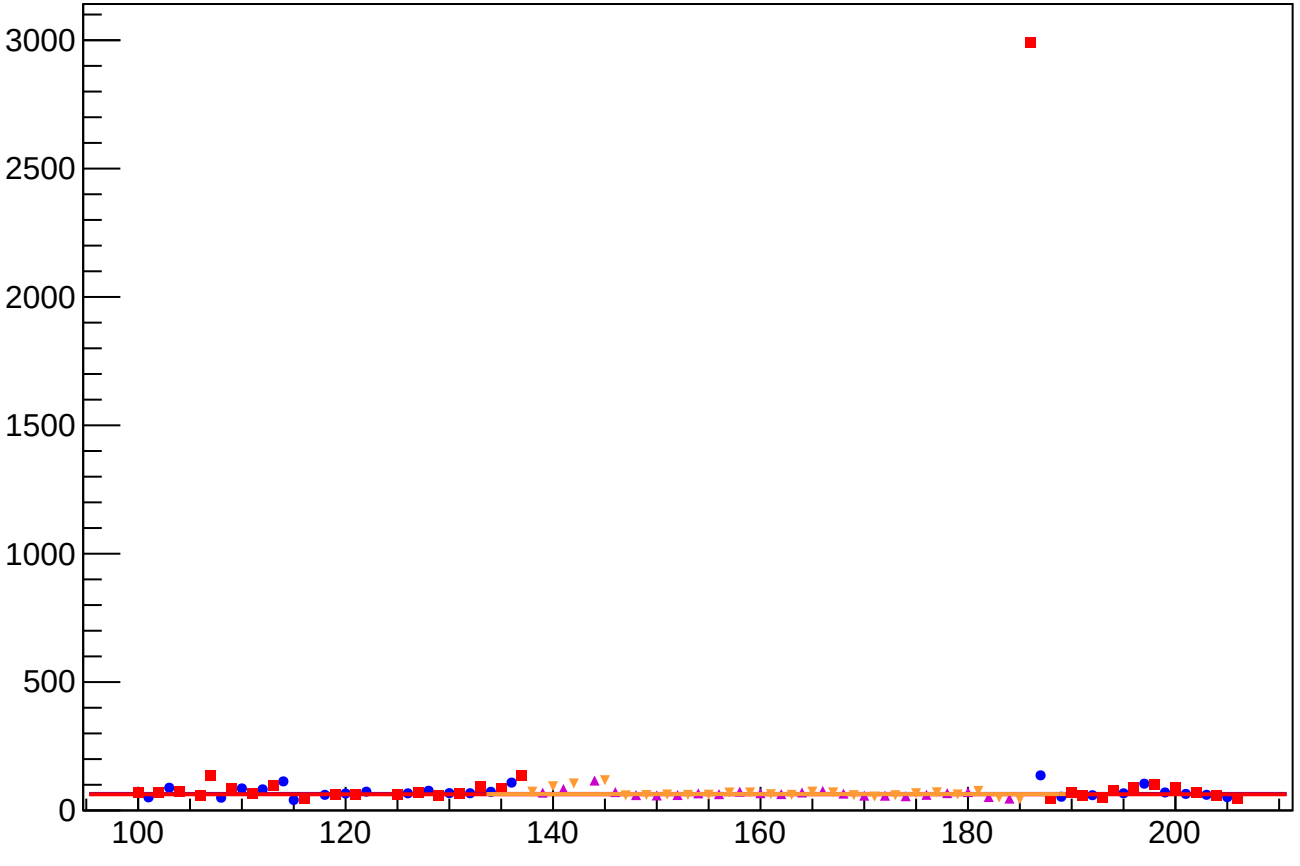
Right: 0.001+/-0.013 χ^2/NDF: 57.0/54

In: 0.002+/-0.012 χ^2/NDF:52.9/47

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.001+/-0.008 χ^2/NDF: 109.2/101

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.354+/-0.013 χ^2/NDF: 1148300.3/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.022+/-0.012 χ^2/NDF: 2552126.7/29

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

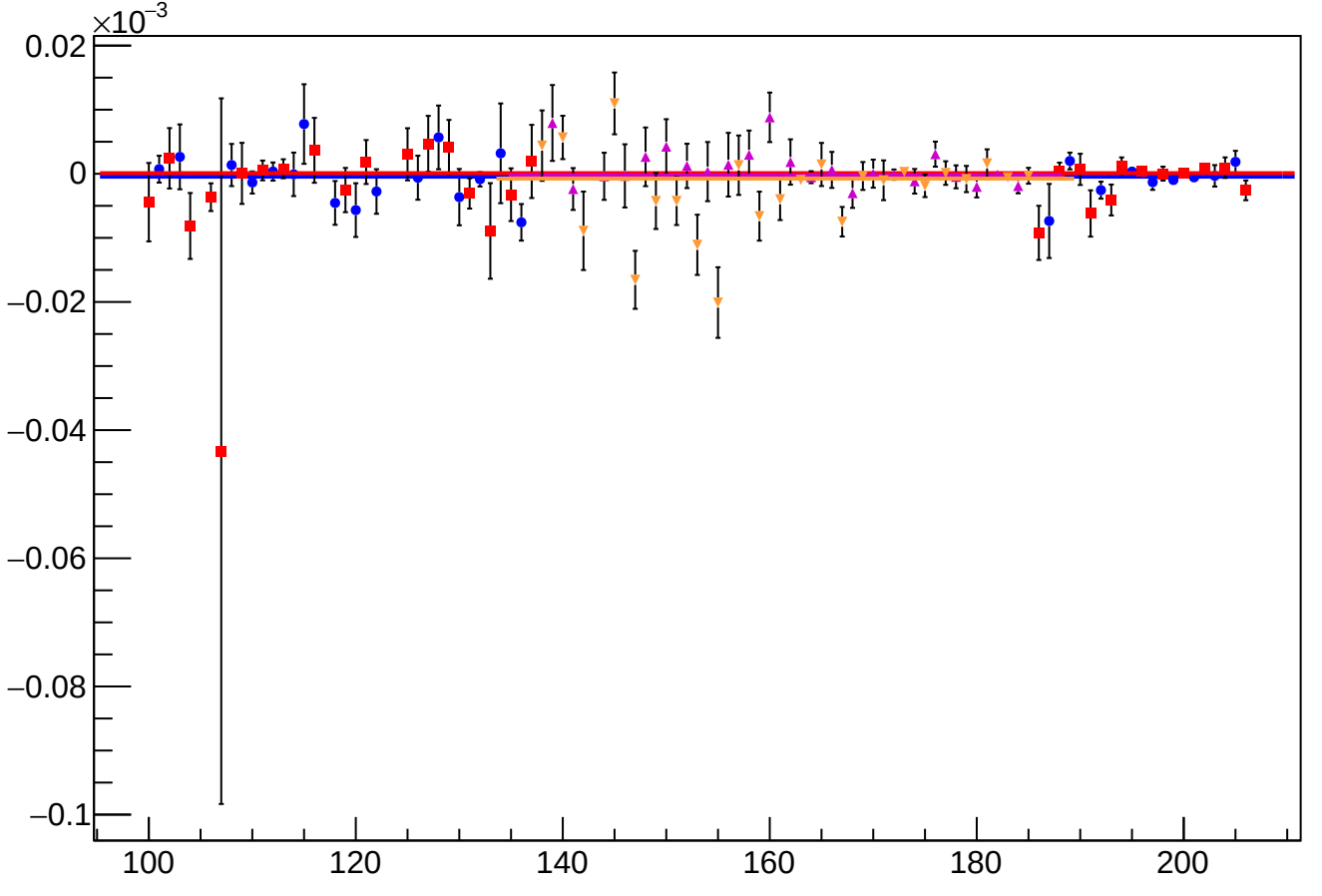
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 63.637+/-0.009 χ^2/NDF: 3706001.3/54

In: 64.167+/-0.008 χ^2/NDF:1987436.6/47

Out: 63.440+/-0.008 χ^2/NDF:3633106.1/53

All: 63.790+/-0.006 χ^2/NDF: 5624416.6/101



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/29

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

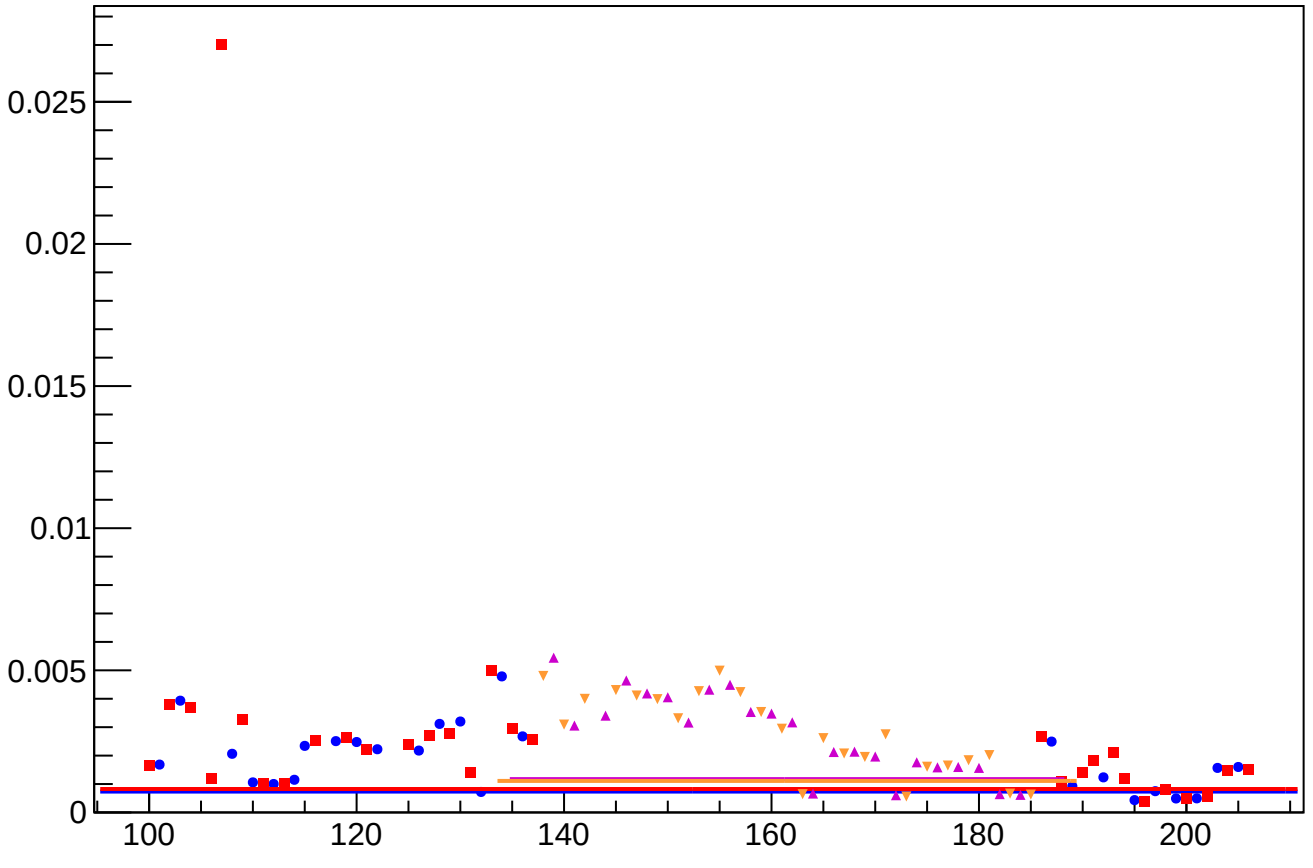
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 62.5/54

In: -0.000+/-0.000 χ^2/NDF:47.6/47

Out: -0.000+/-0.000 χ^2/NDF:95.4/53

All: -0.000+/-0.000 χ^2/NDF: 143.3/101



Right In: 0.001+/-0.000 χ^2/NDF: 9015091.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10566712.2/29

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

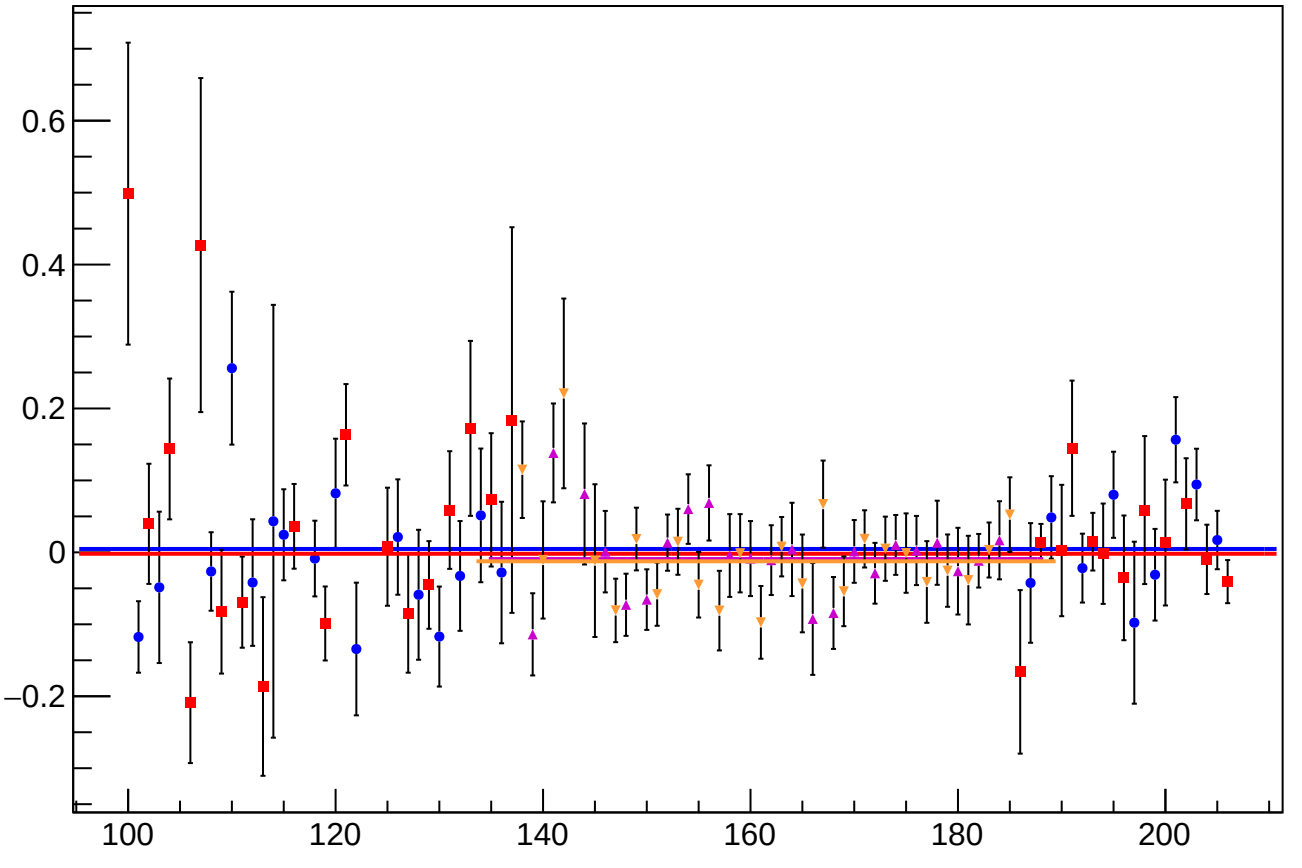
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 19702992.1/54

In: 0.001+/-0.000 χ^2/NDF:25273165.6/47

Out: 0.001+/-0.000 χ^2/NDF:26585758.5/53

All: 0.001+/-0.000 χ^2/NDF: 51930161.8/101



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

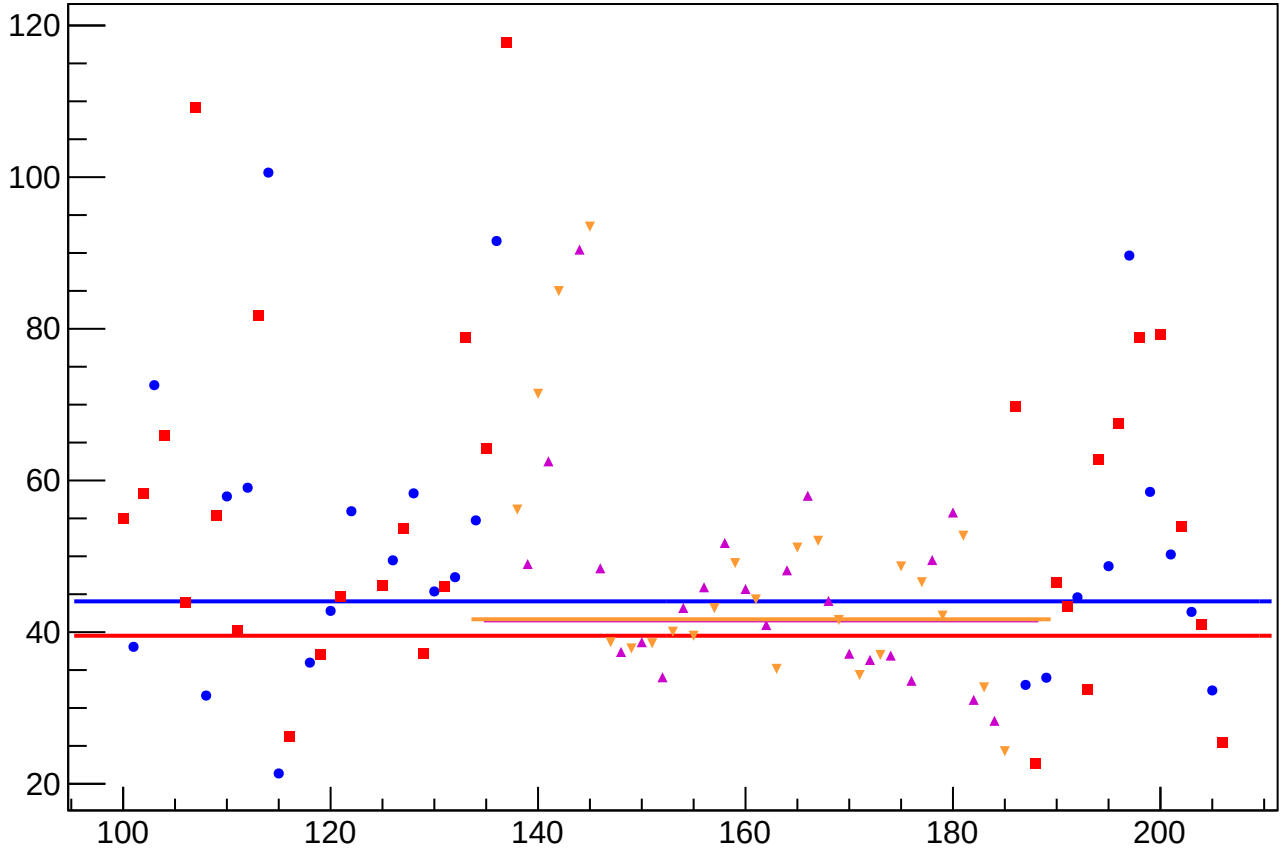
Right: 0.001+/-0.009 χ^2/NDF: 79.3/54

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.2/101

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

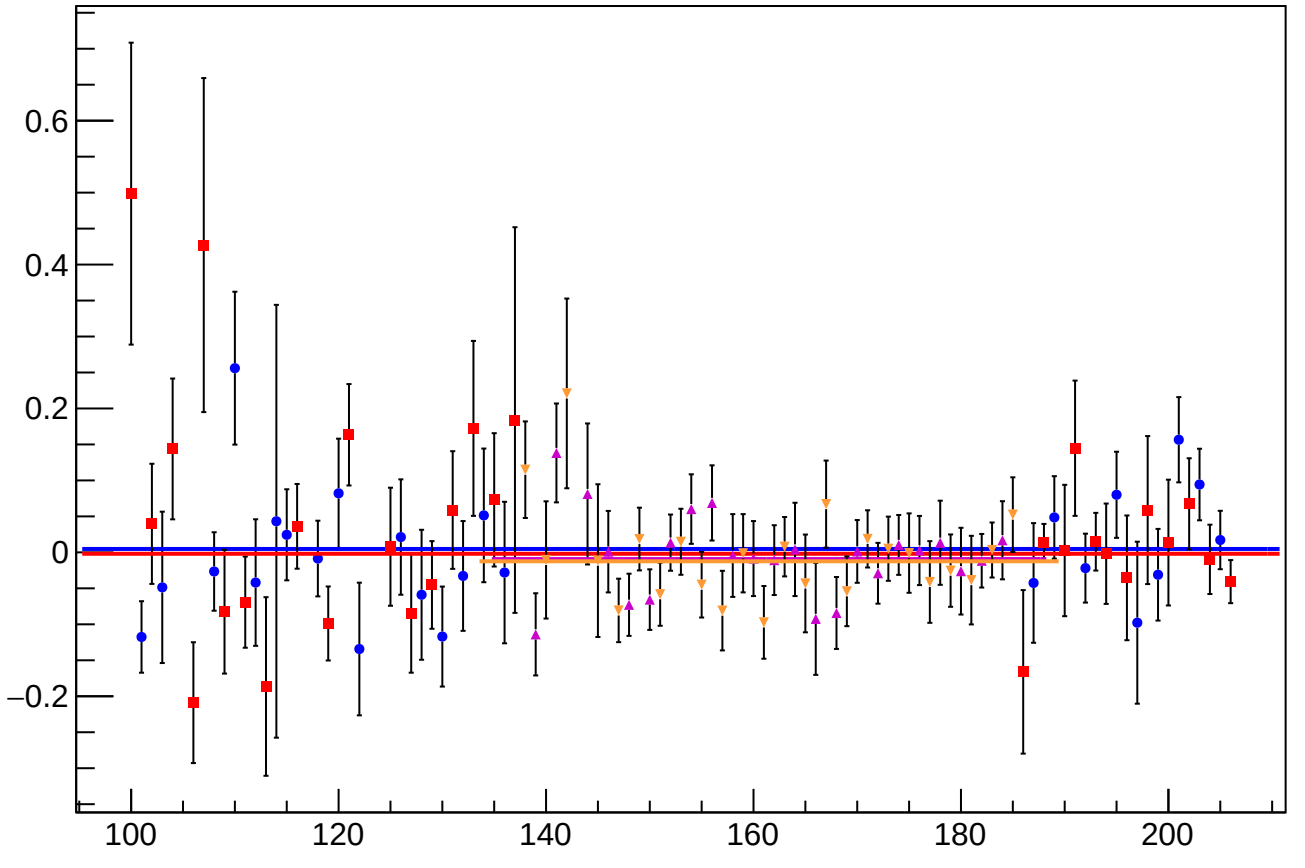
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 41.484+/-0.006 χ^2/NDF: 6383309.4/54

In: 42.509+/-0.006 χ^2/NDF:3724742.7/47

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 41.565+/-0.004 χ^2/NDF: 9818482.3/101



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

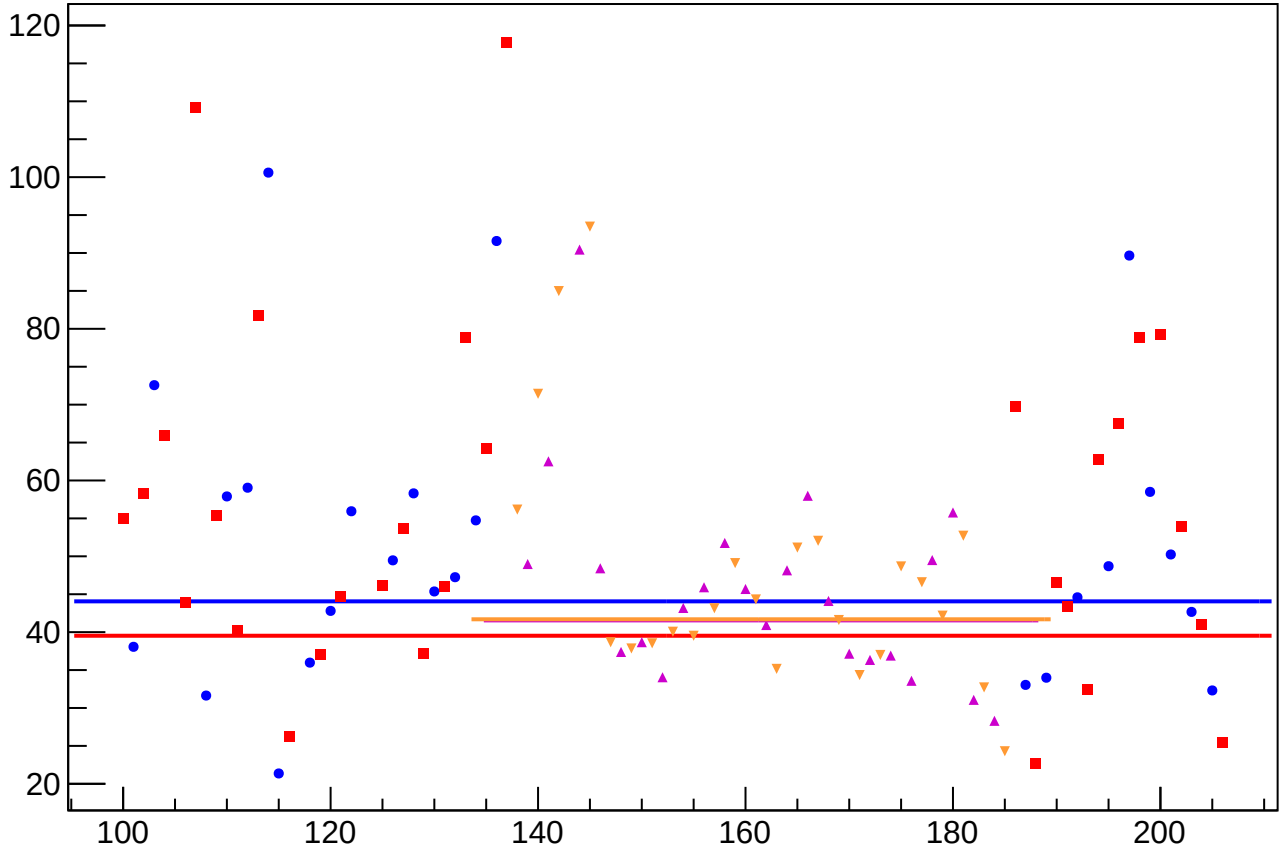
Right: 0.001+/-0.009 χ^2/NDF: 79.3/54

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.2/101

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

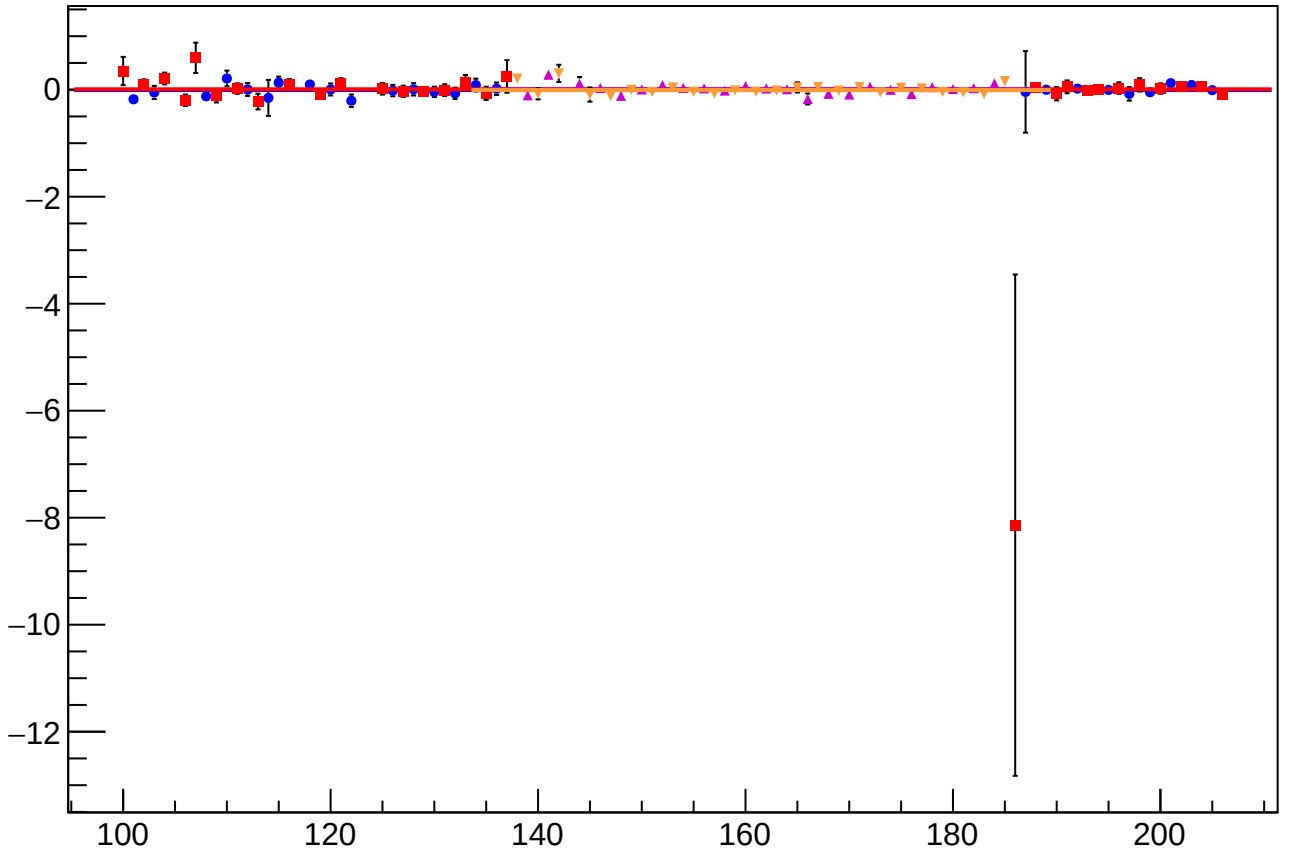
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 41.484+/-0.006 χ^2/NDF: 6383309.4/54

In: 42.509+/-0.006 χ^2/NDF:3724742.7/47

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 41.565+/-0.004 χ^2/NDF: 9818482.3/101



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.017 χ^2/NDF: 32.2/29

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

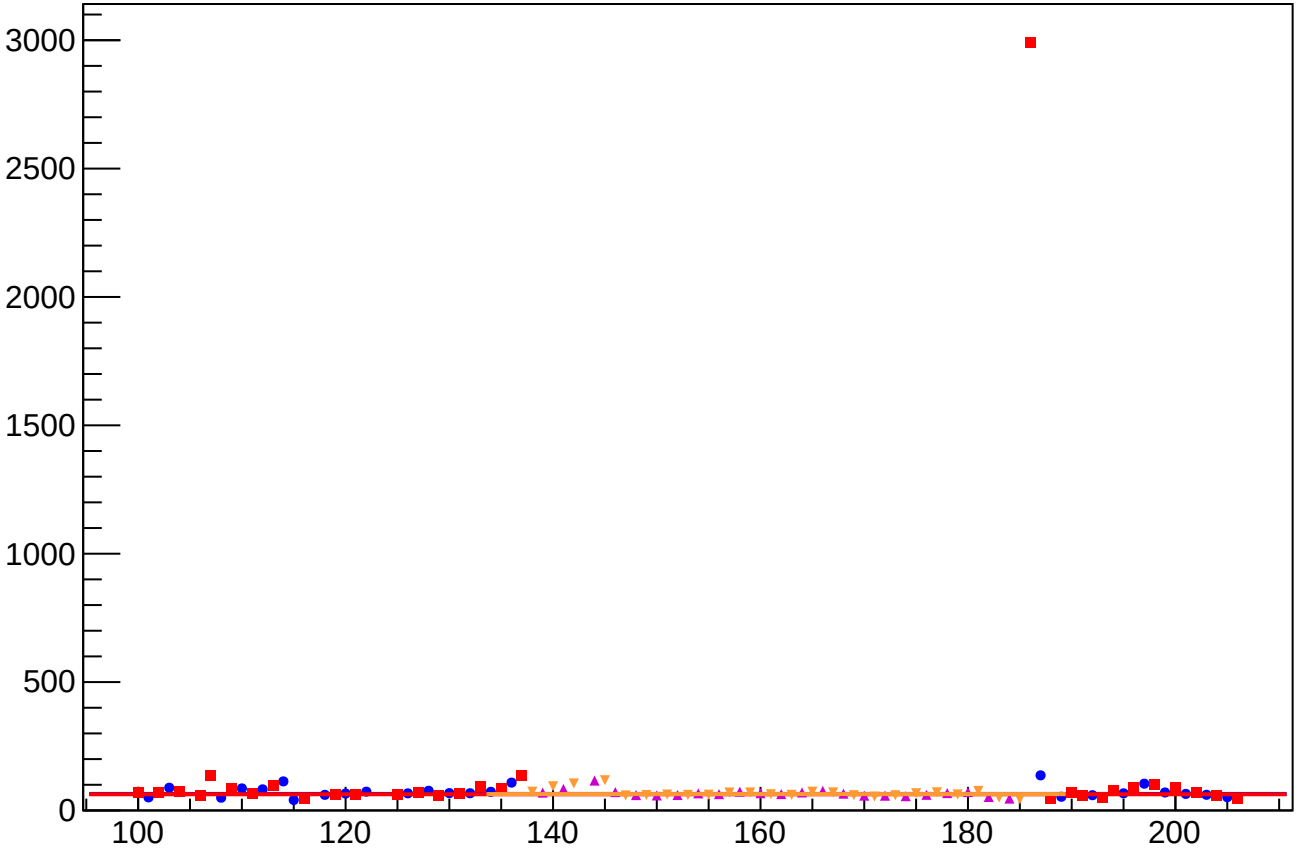
Right: 0.001+/-0.013 χ^2/NDF: 57.0/54

In: 0.002+/-0.012 χ^2/NDF:52.9/47

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.001+/-0.008 χ^2/NDF: 109.2/101

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.354+/-0.013 χ^2/NDF: 1148308.6/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.022+/-0.012 χ^2/NDF: 2552099.9/29

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

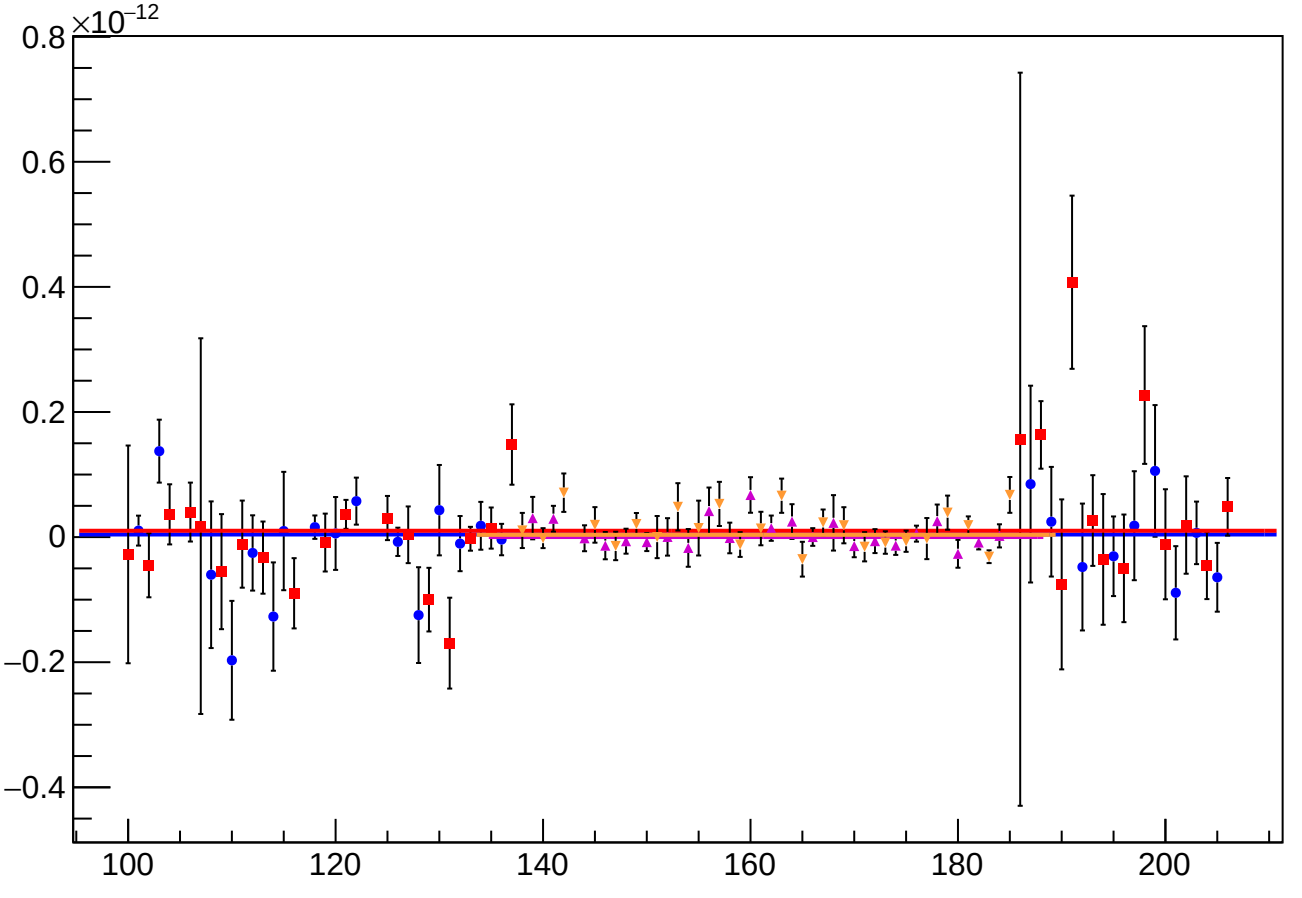
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 63.636+/-0.009 χ^2/NDF: 3705982.8/54

In: 64.167+/-0.008 χ^2/NDF:1987439.3/47

Out: 63.440+/-0.008 χ^2/NDF:3633068.5/53

All: 63.790+/-0.006 χ^2/NDF: 5624382.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 47.1/29

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

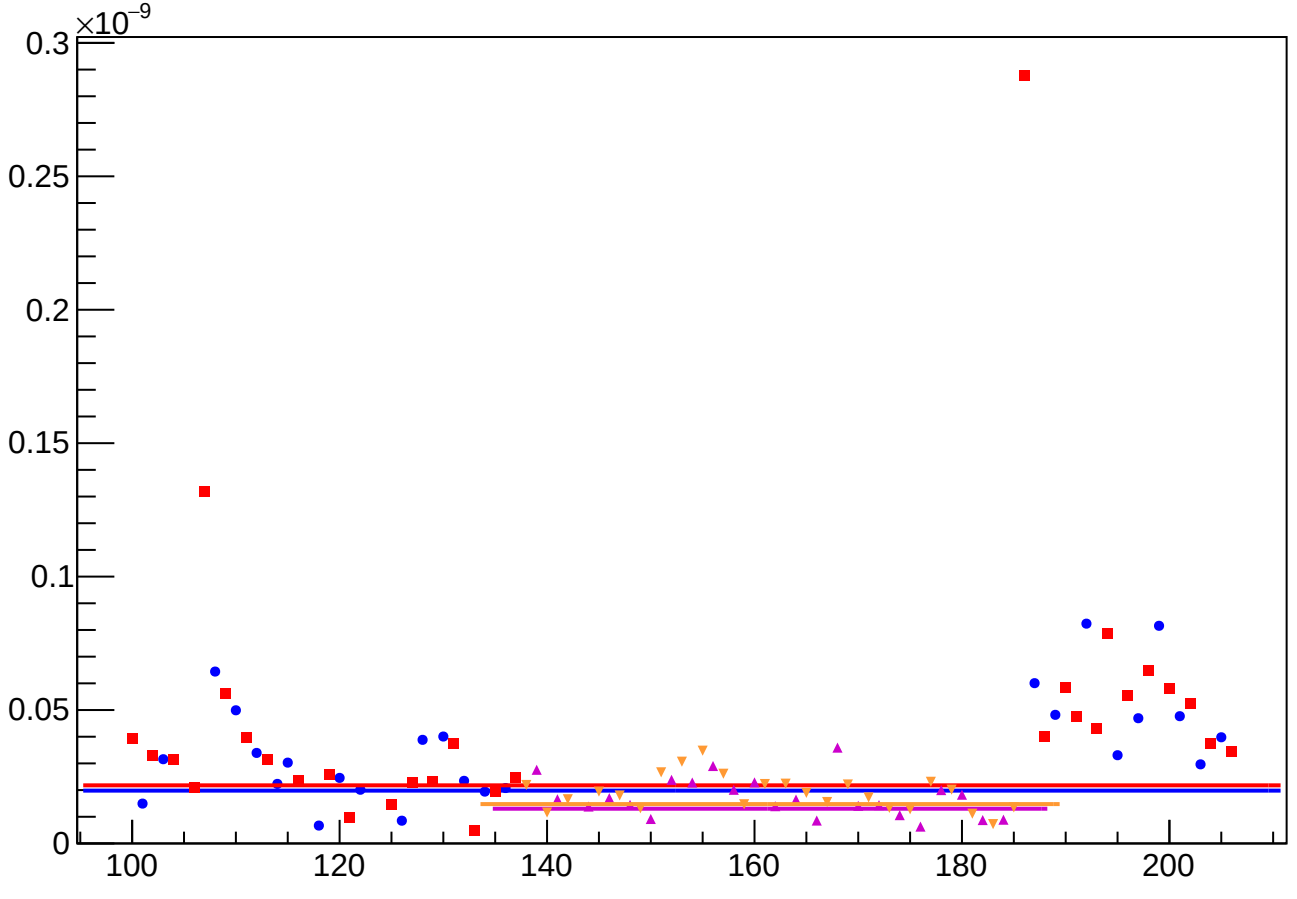
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 72.8/54

In: 0.000+/-0.000 χ^2/NDF:42.8/47

Out: 0.000+/-0.000 χ^2/NDF:88.1/53

All: 0.000+/-0.000 χ^2/NDF: 131.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 5303085.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6448676.3/29

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

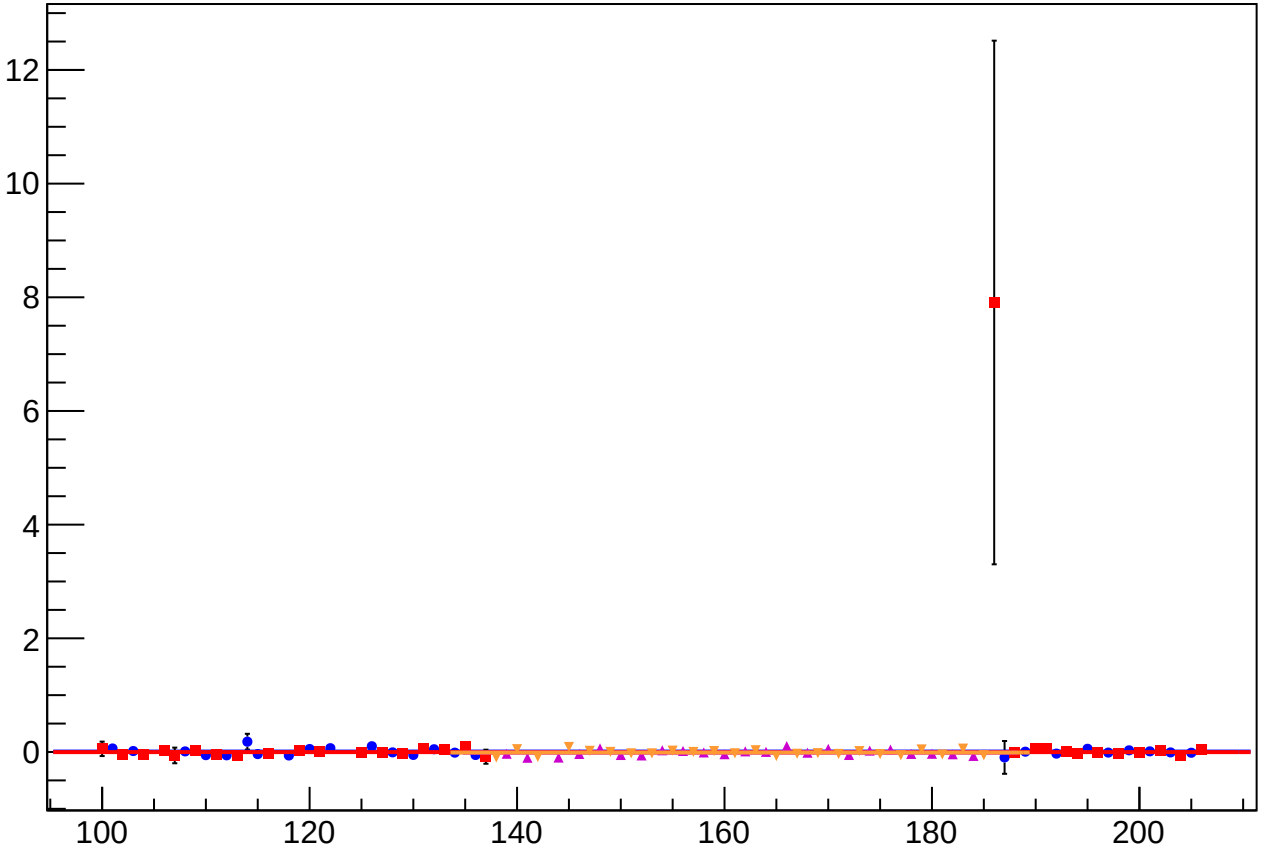
Right: 0.000+/-0.000 χ^2/NDF: 11802364.8/54

In: 0.000+/-0.000 χ^2/NDF:10244090.8/47

Out: 0.000+/-0.000 χ^2/NDF:10971460.3/53

All: 0.000+/-0.000 χ^2/NDF: 21456081.0/101

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 24.4/29

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

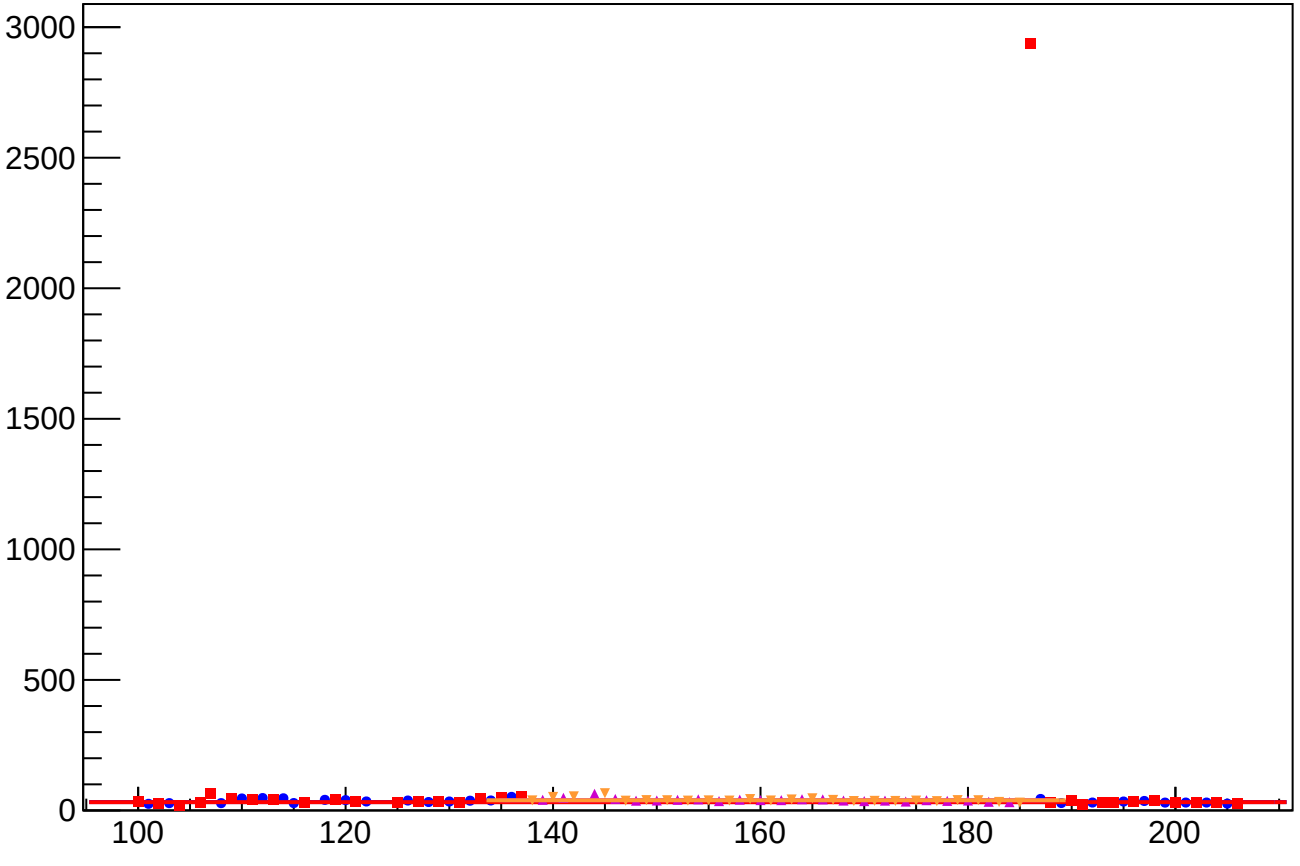
Right: 0.002+/-0.006 χ^2/NDF: 44.1/54

In: -0.002+/-0.007 χ^2/NDF:44.4/47

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.004+/-0.005 χ^2/NDF: 88.7/101

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

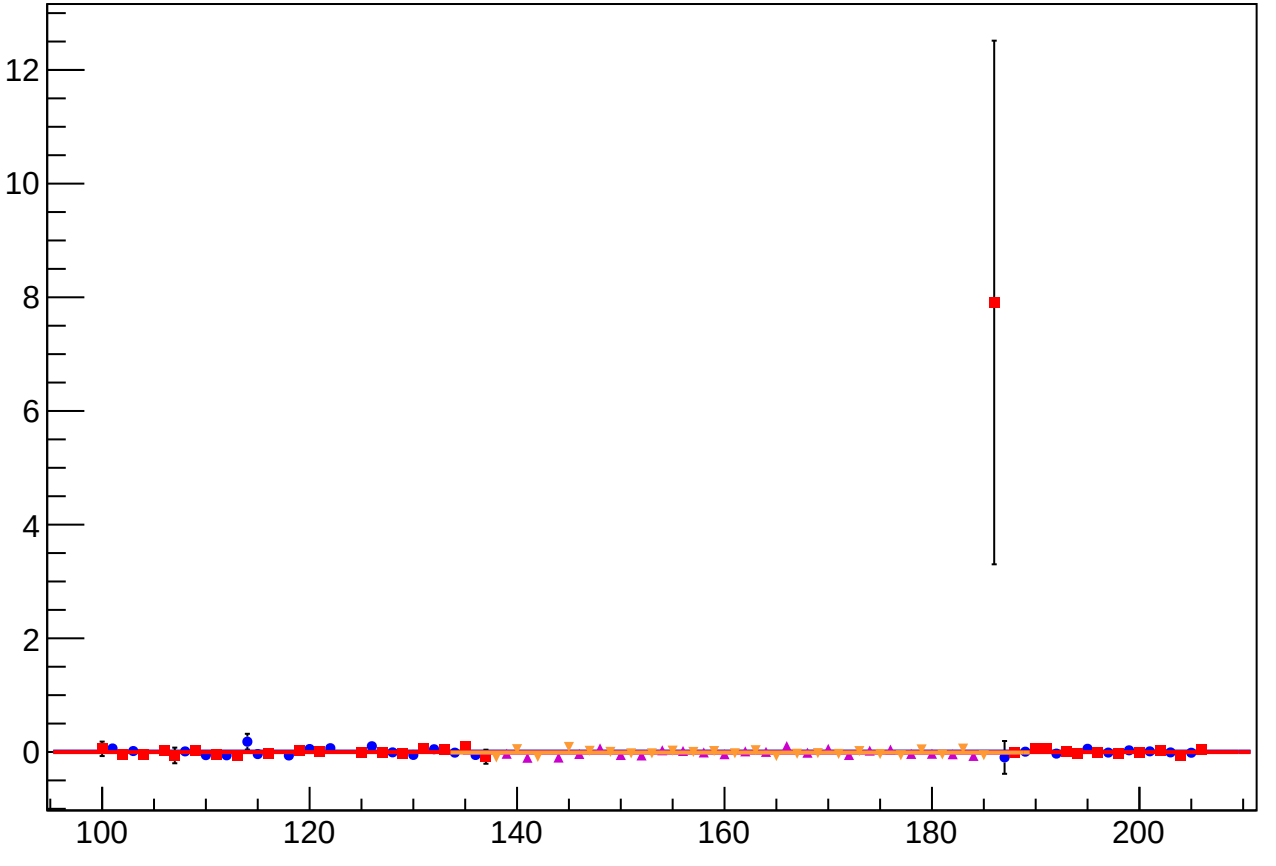
Right: 31.940+/-0.004 χ^2/NDF: 2795477.8/54

In: 35.519+/-0.005 χ^2/NDF:1918354.3/47

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 35.234+/-0.003 χ^2/NDF: 5153601.8/101

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 24.4/29

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

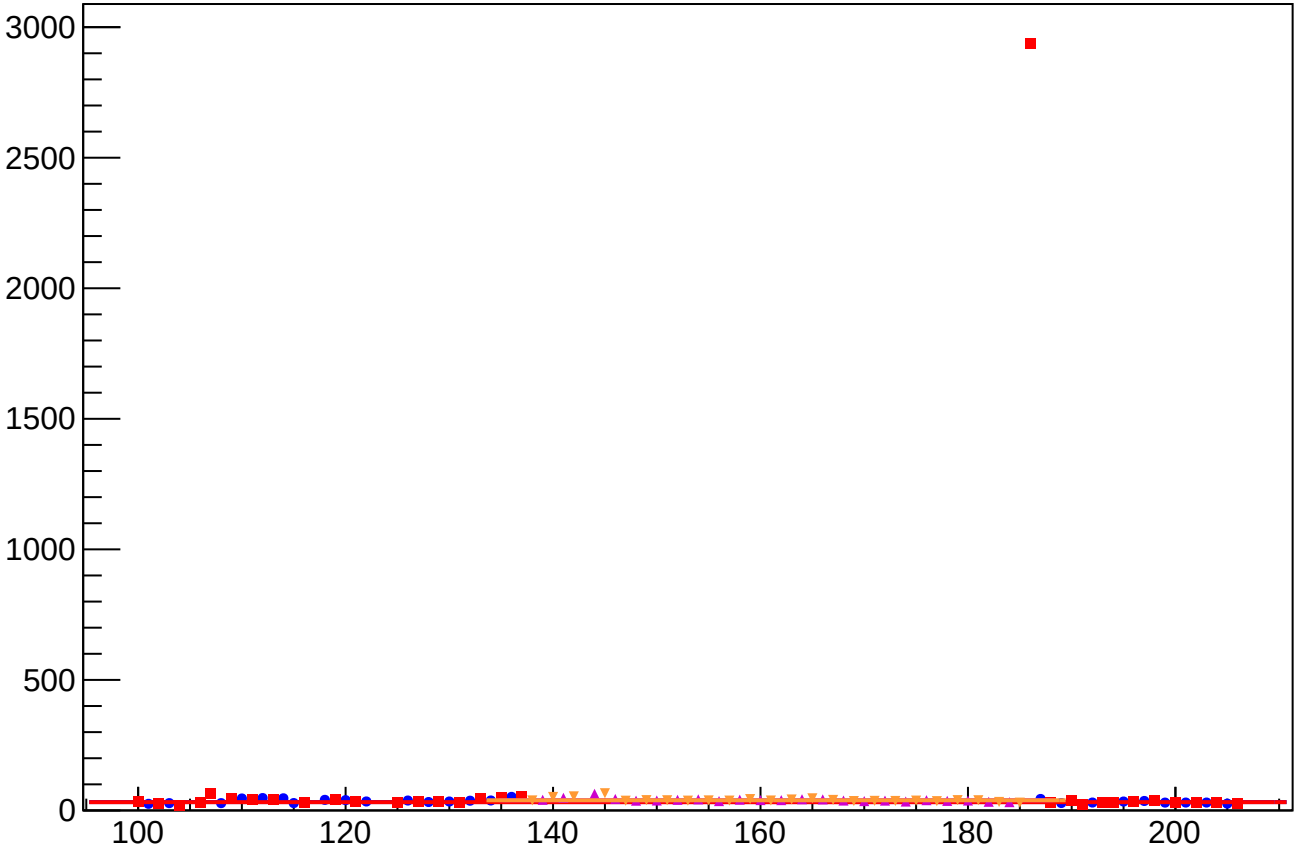
Right: 0.002+/-0.006 χ^2/NDF: 44.1/54

In: -0.002+/-0.007 χ^2/NDF:44.4/47

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.004+/-0.005 χ^2/NDF: 88.7/101

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

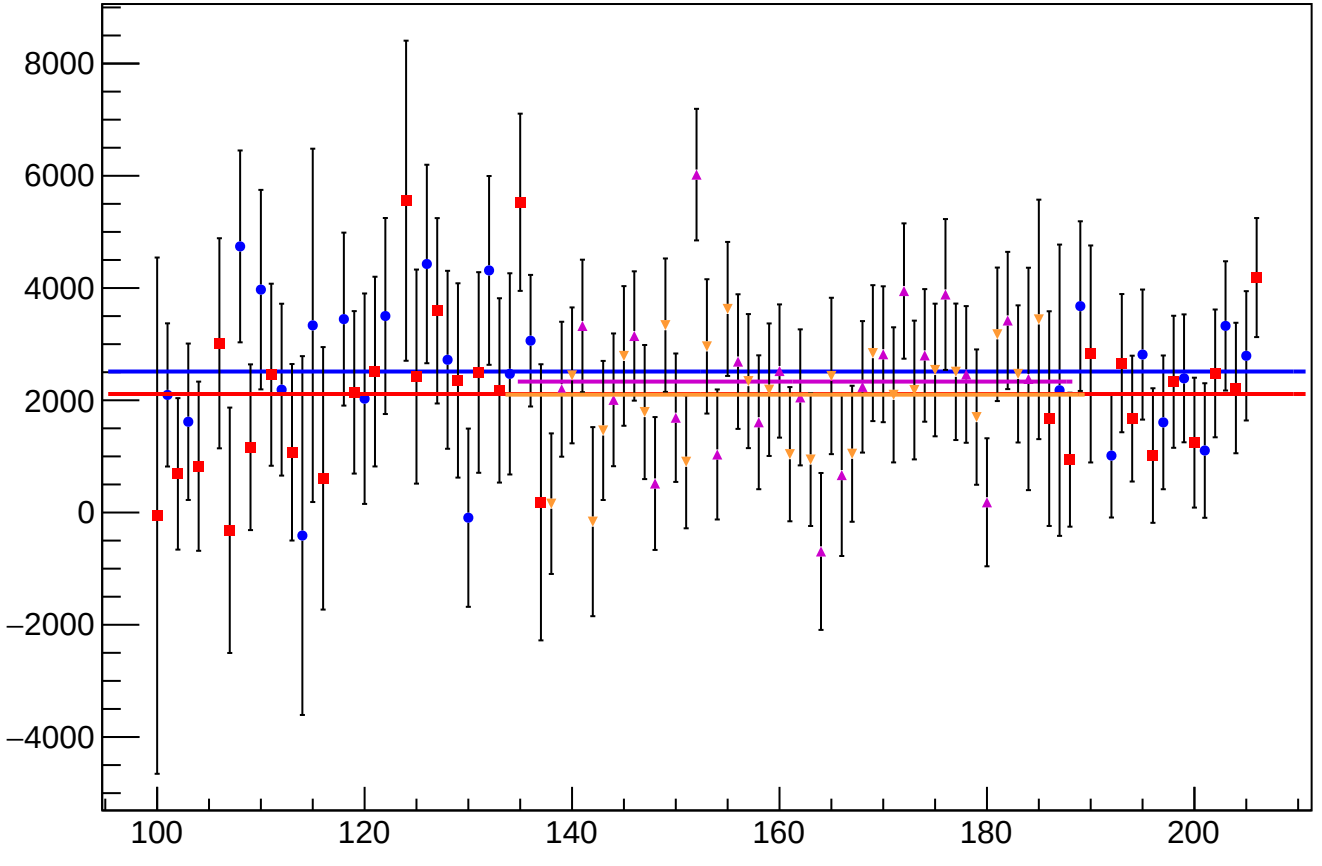
Right: 31.940+/-0.004 χ^2/NDF: 2795477.8/54

In: 35.519+/-0.005 χ^2/NDF:1918354.3/47

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 35.234+/-0.003 χ^2/NDF: 5153601.8/101

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

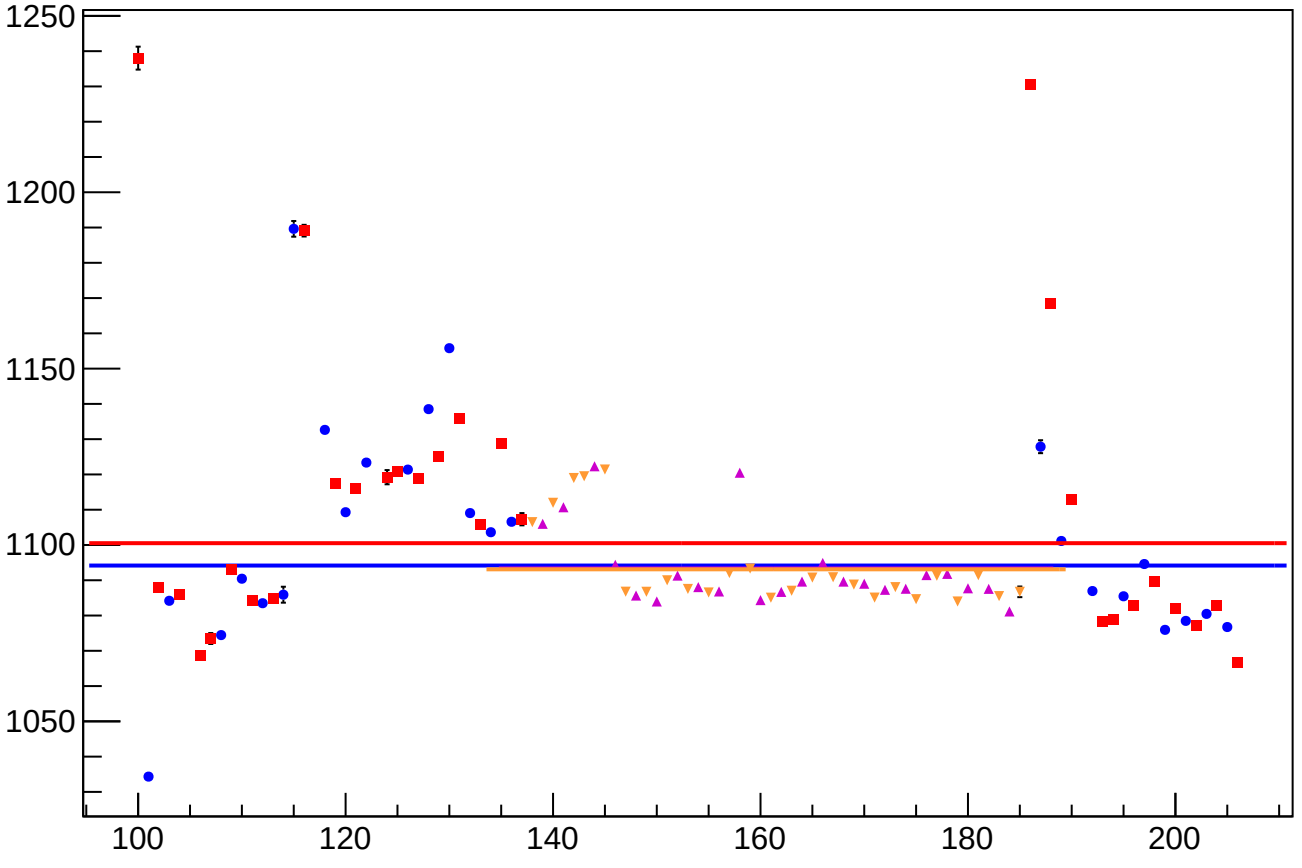
Right: 2299.304+/-199.280 χ^2/NDF: 35.3/54

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2251.551+/-132.751 χ^2/NDF: 79.2/102

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

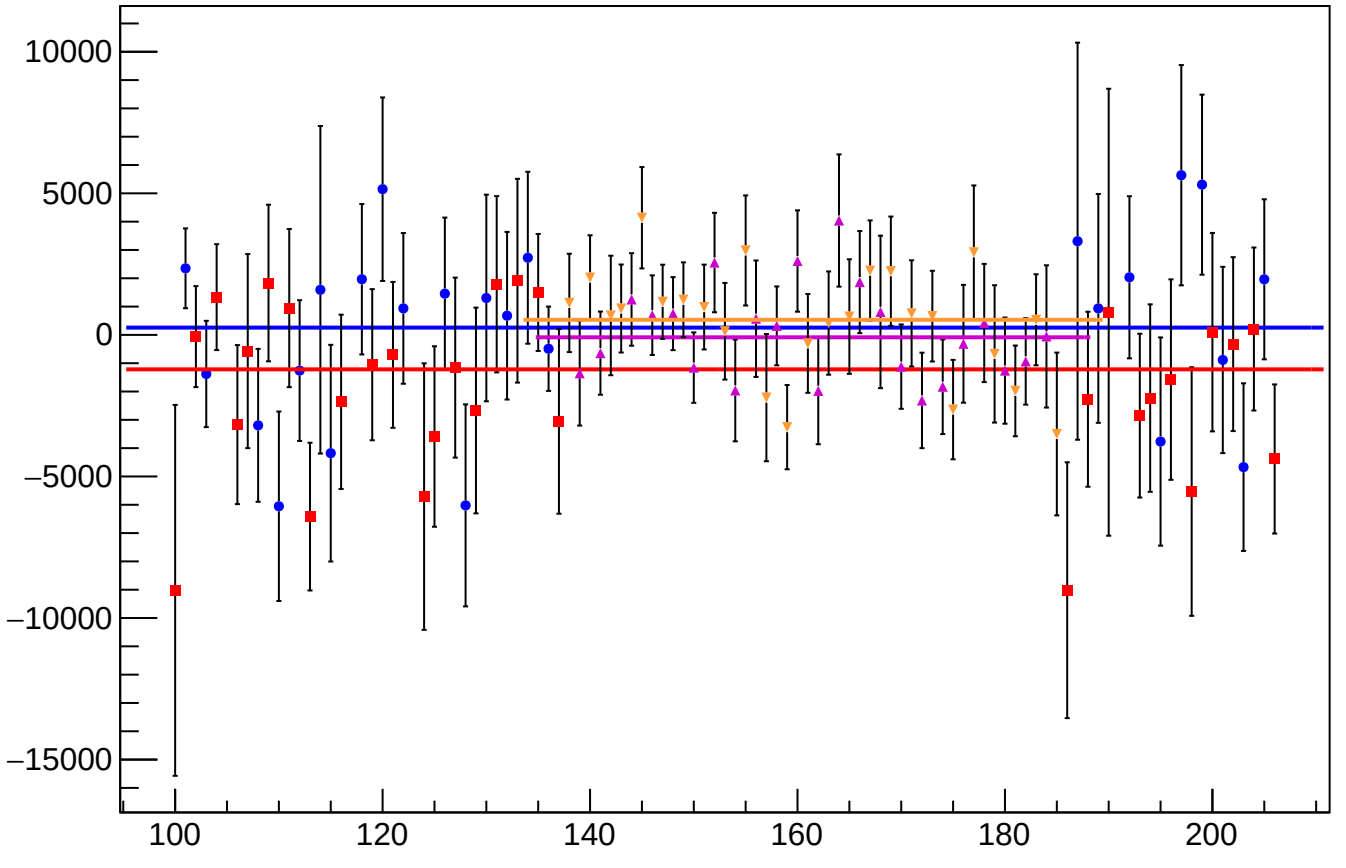
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1097.546+/-0.141 χ^2/NDF: 47716.8/54

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

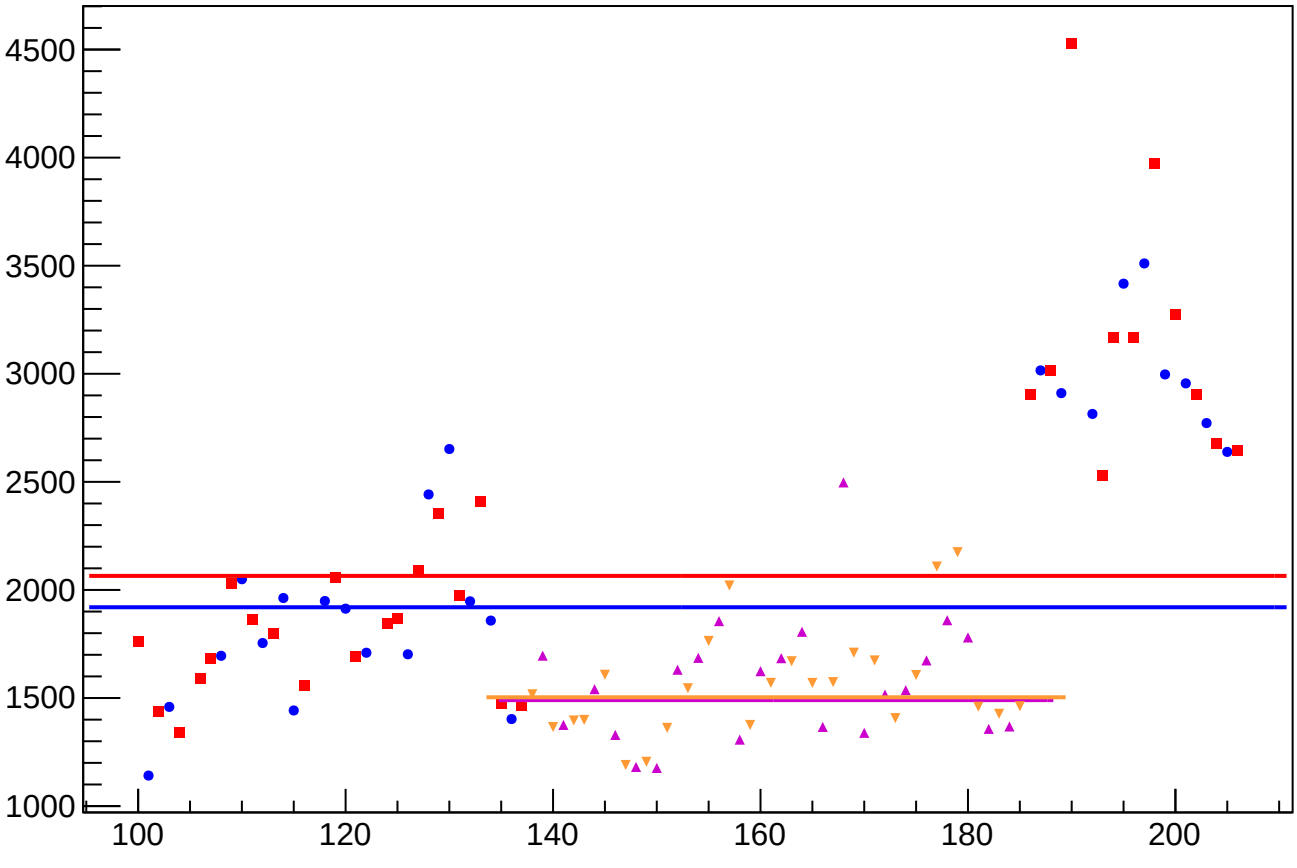
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -483.723+/-382.891 χ^2/NDF: 52.2/54

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 19.054+/-208.071 χ^2/NDF: 100.7/102



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

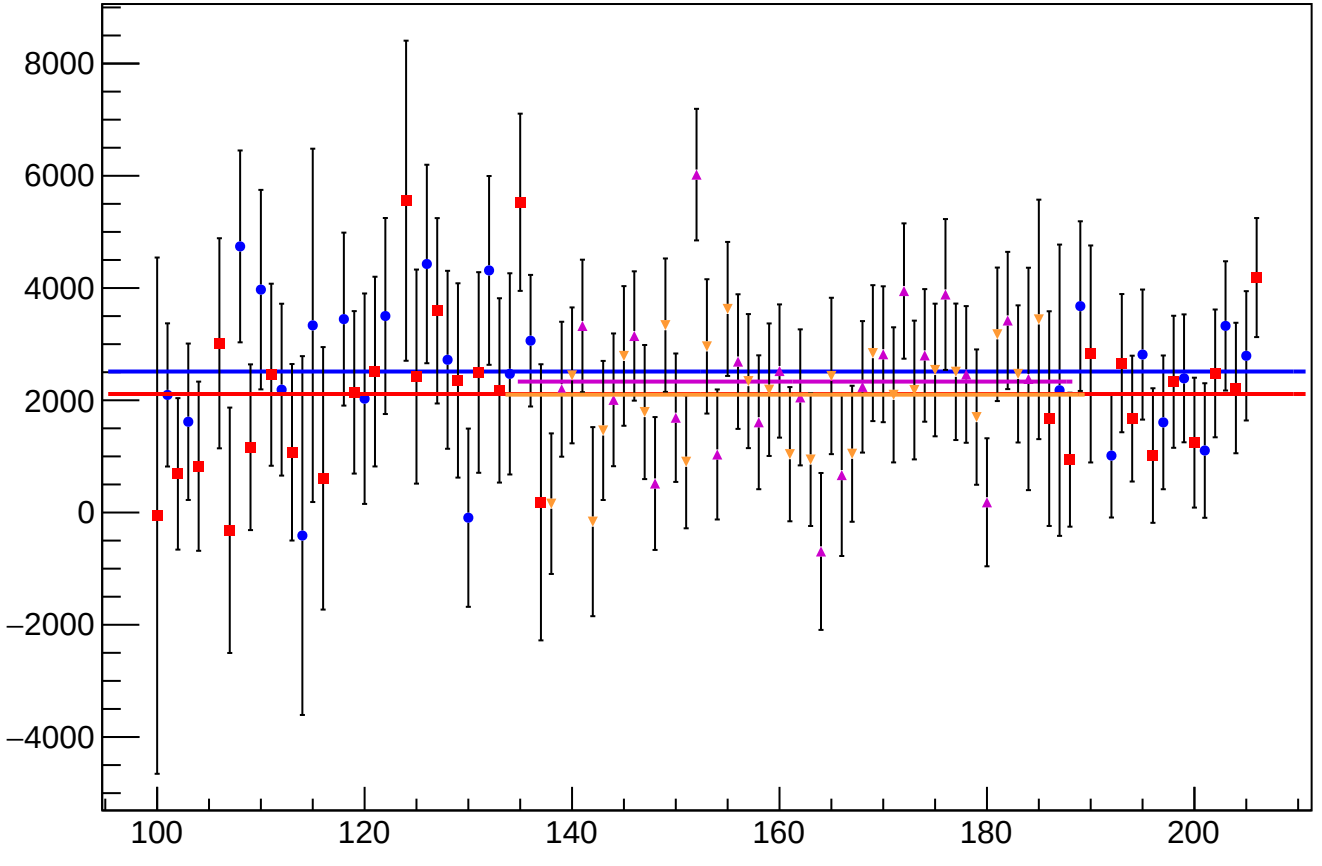
Right: 1992.872+/-0.271 χ^2/NDF: 5916611.7/54

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

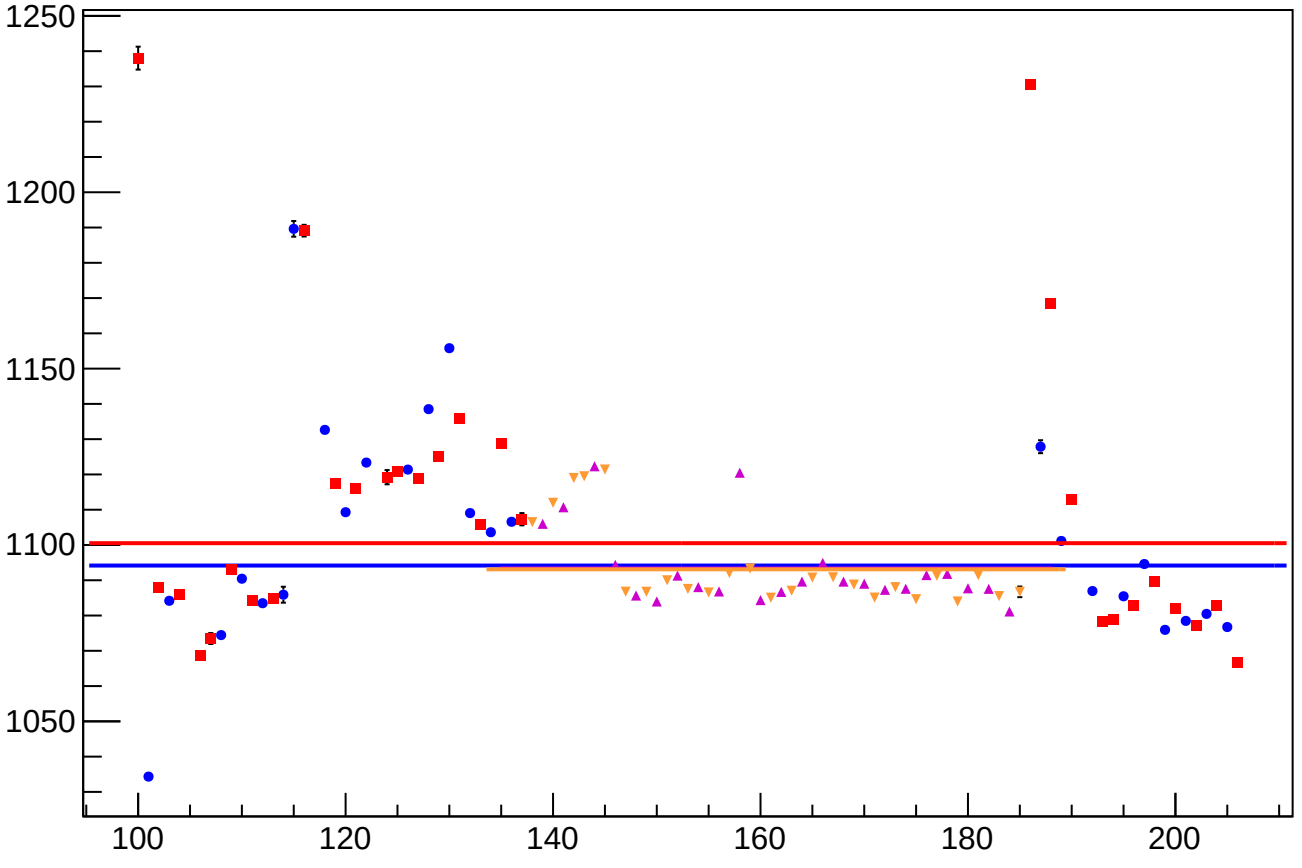
Right: 2299.304+/-199.280 χ^2/NDF: 35.3/54

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2251.551+/-132.751 χ^2/NDF: 79.2/102

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

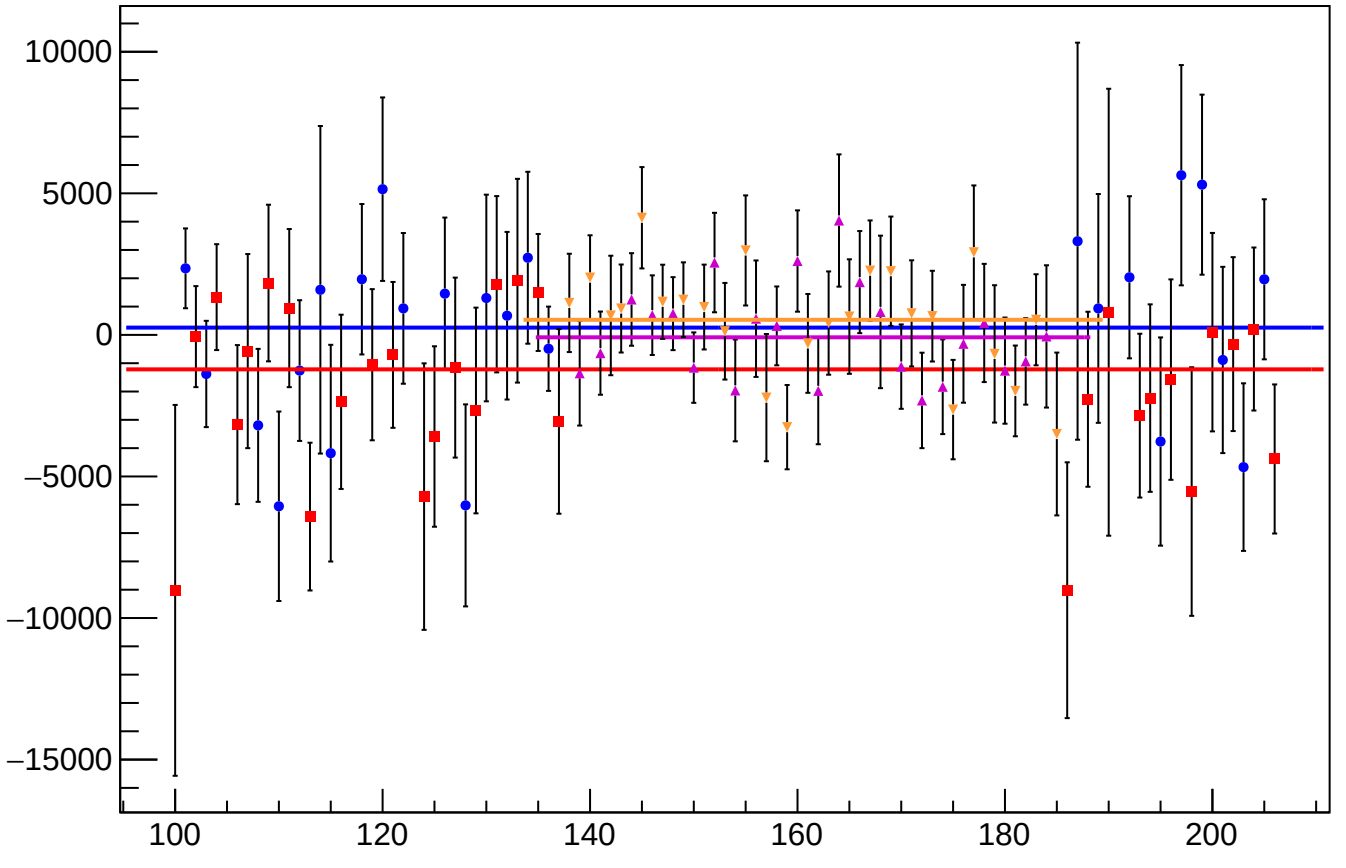
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1097.546+/-0.141 χ^2/NDF: 47716.8/54

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

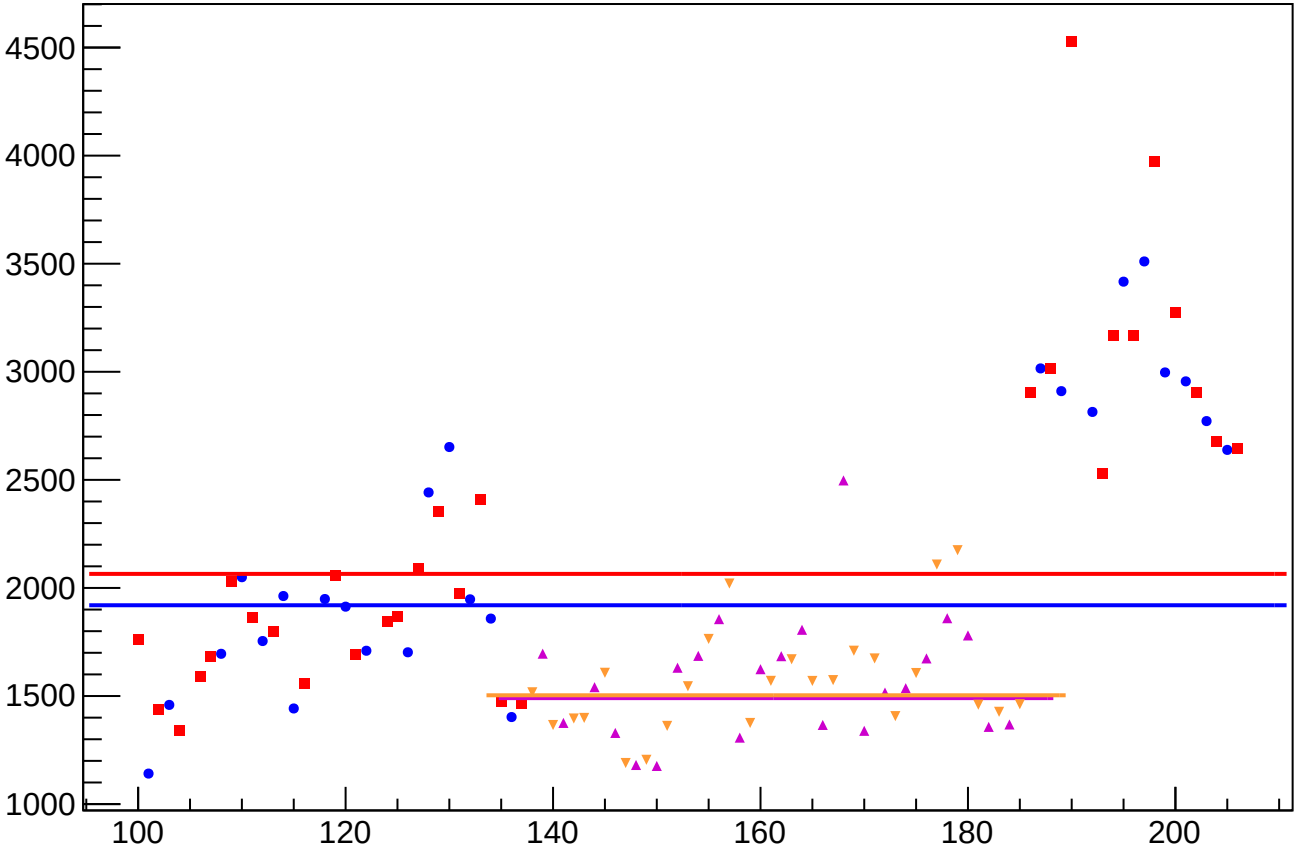
Right: -483.723+/-382.891 χ^2/NDF: 52.2/54

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 19.054+/-208.071 χ^2/NDF: 100.7/102

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

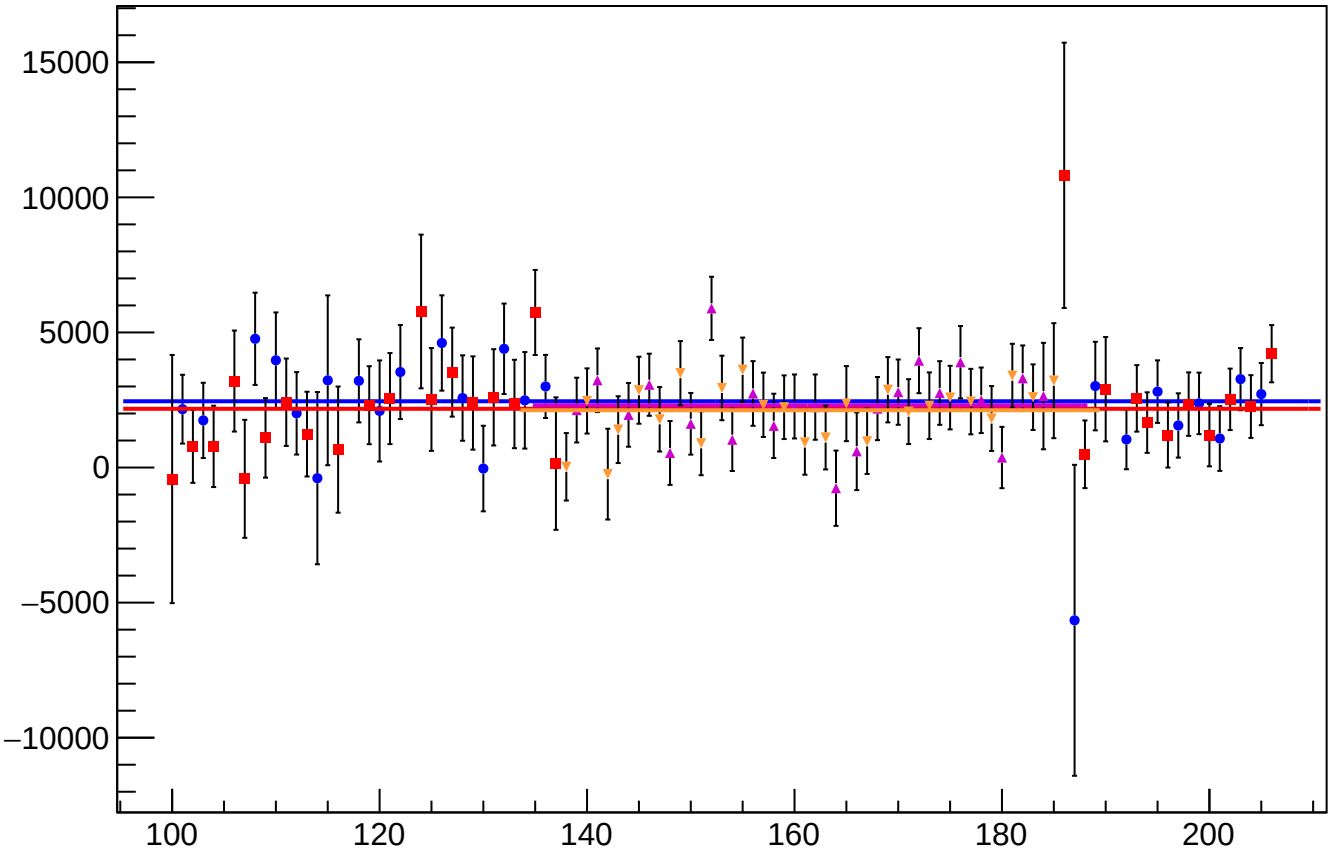
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1992.872+/-0.271 χ^2/NDF: 5916611.7/54

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1



Right In: 2452.732+/-293.071 χ^2/NDF: 16.3/24

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2174.309+/-275.913 χ^2/NDF: 24.1/29

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

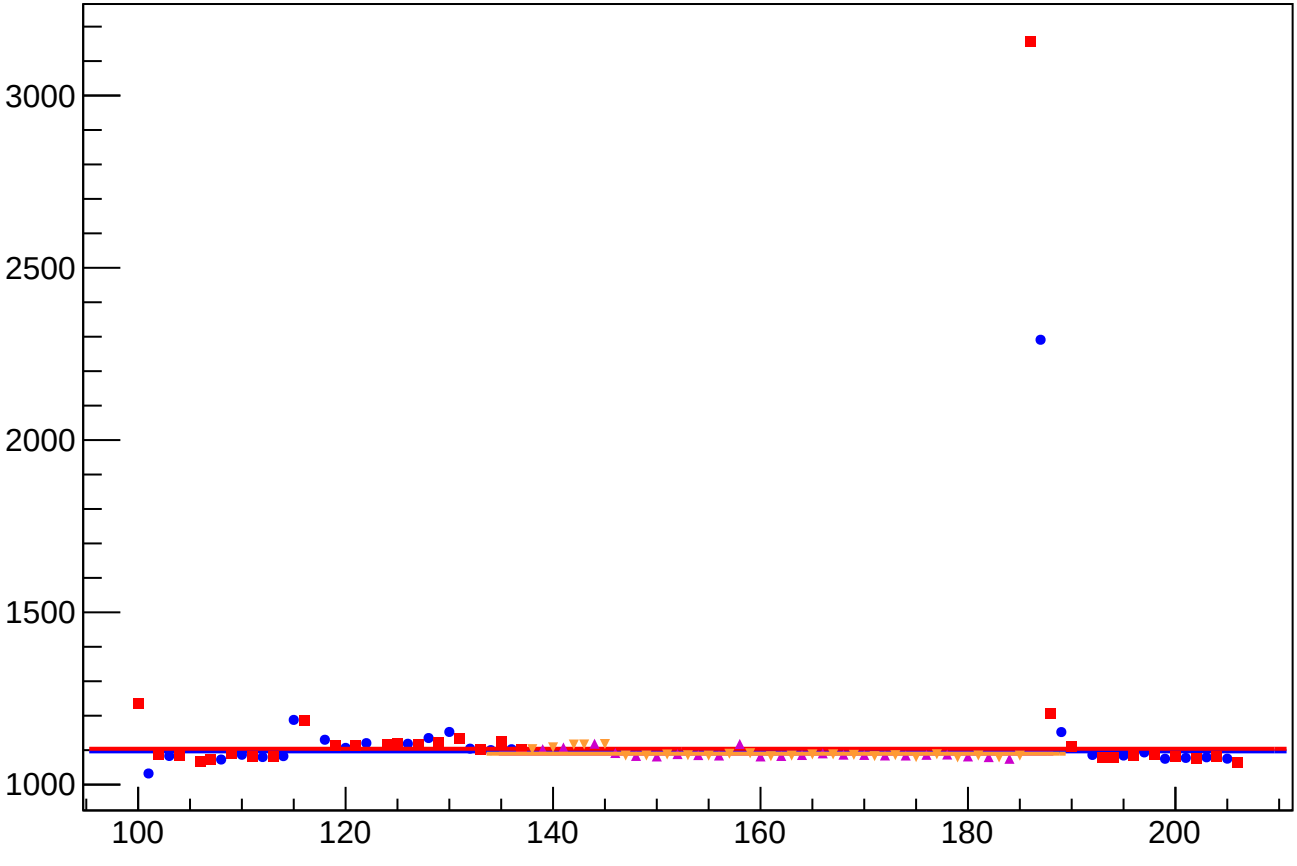
Right: 2305.132+/-200.892 χ^2/NDF: 40.9/54

In: 2368.745+/-192.158 χ^2/NDF:44.9/47

Out: 2144.205+/-184.256 χ^2/NDF:39.2/54

All: 2251.763+/-132.994 χ^2/NDF: 84.9/102

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.473+/-0.207 χ^2/NDF: 104516.2/24

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1104.026+/-0.195 χ^2/NDF: 379152.2/29

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

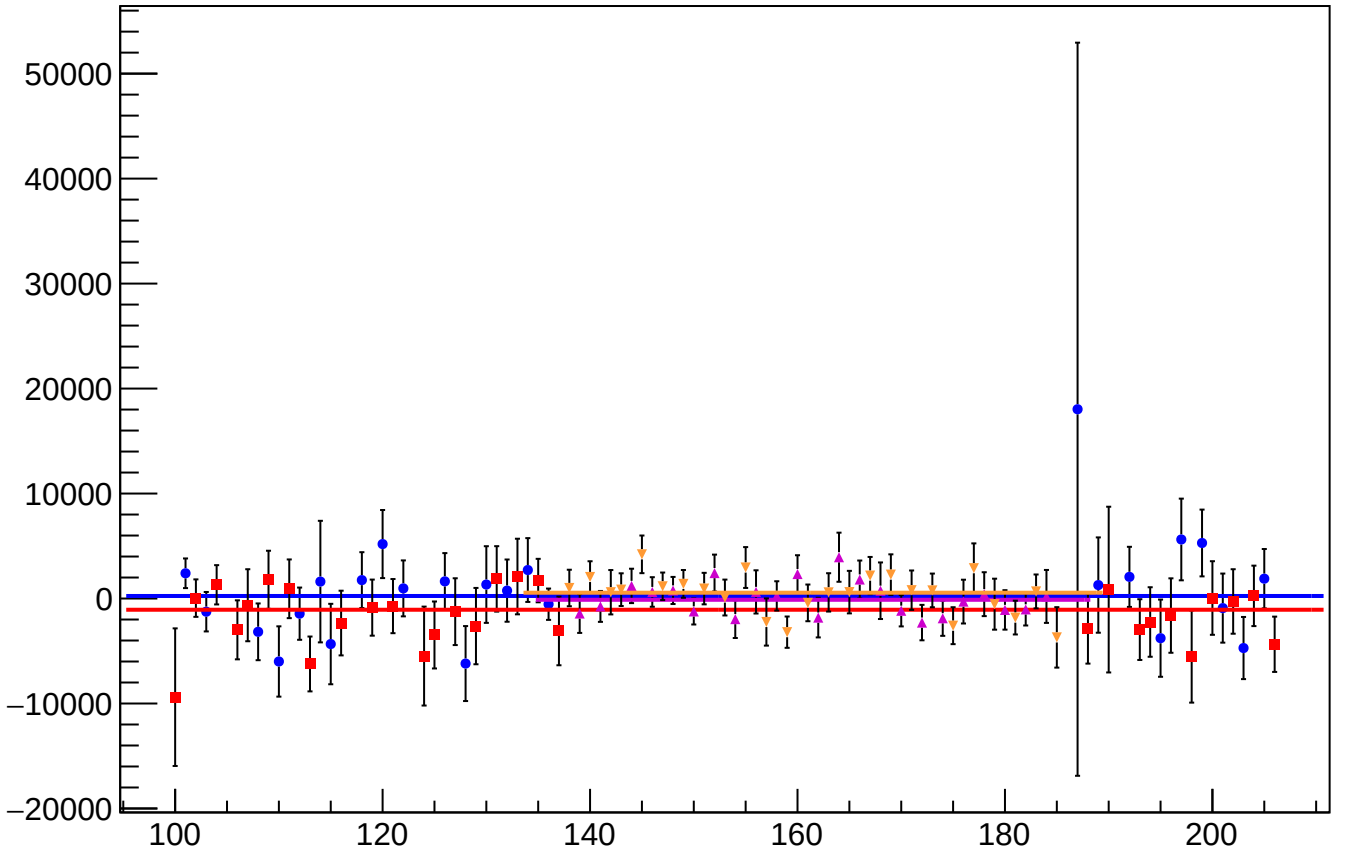
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1100.477+/-0.142 χ^2/NDF: 484372.6/54

In: 1092.762+/-0.136 χ^2/NDF:108974.5/47

Out: 1096.113+/-0.130 χ^2/NDF:386179.0/54

All: 1094.508+/-0.094 χ^2/NDF: 495470.4/102



Right In: 242.326+/-546.133 χ^2/NDF: 26.9/24

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -1068.686+/-545.517 χ^2/NDF: 19.1/28

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

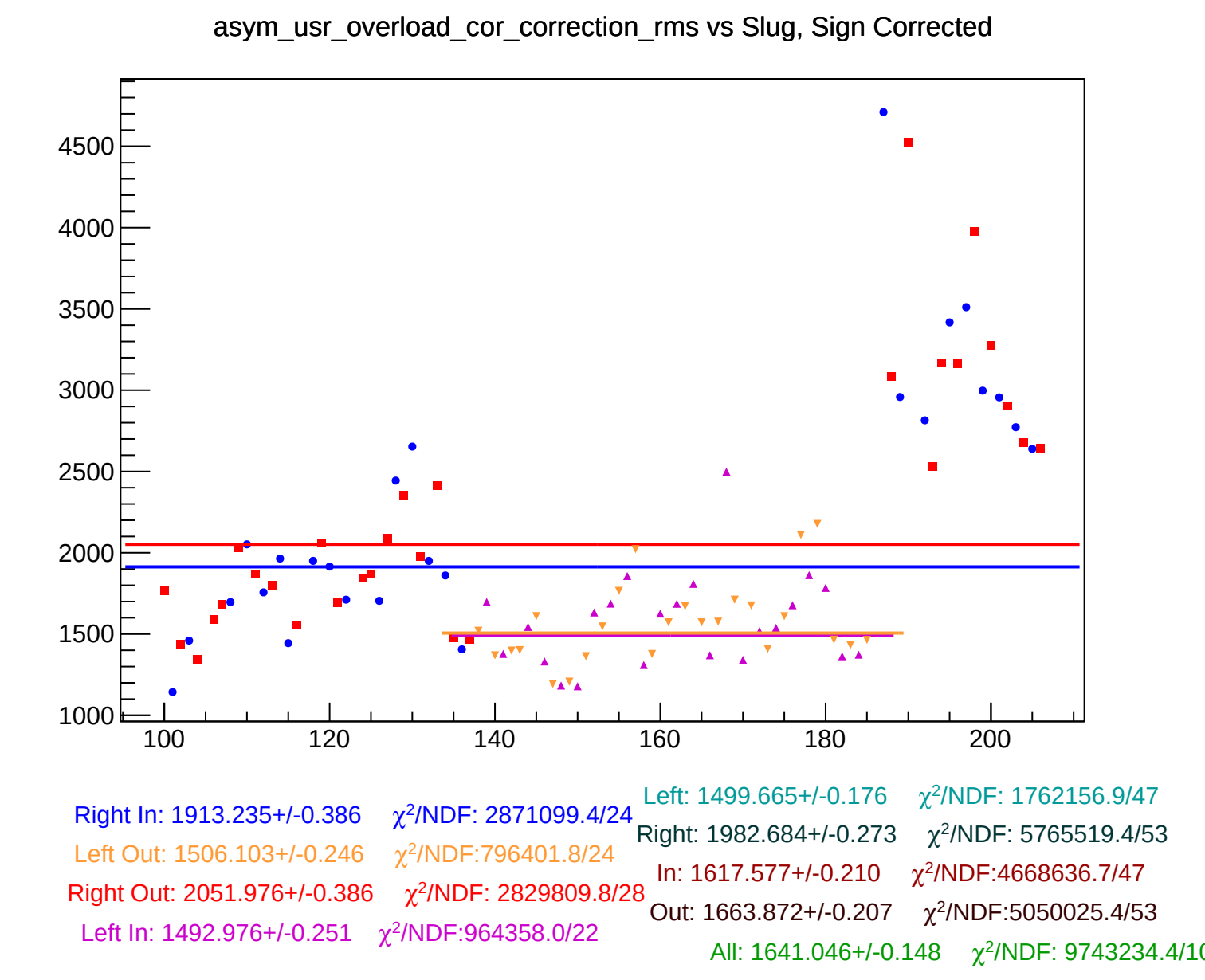
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

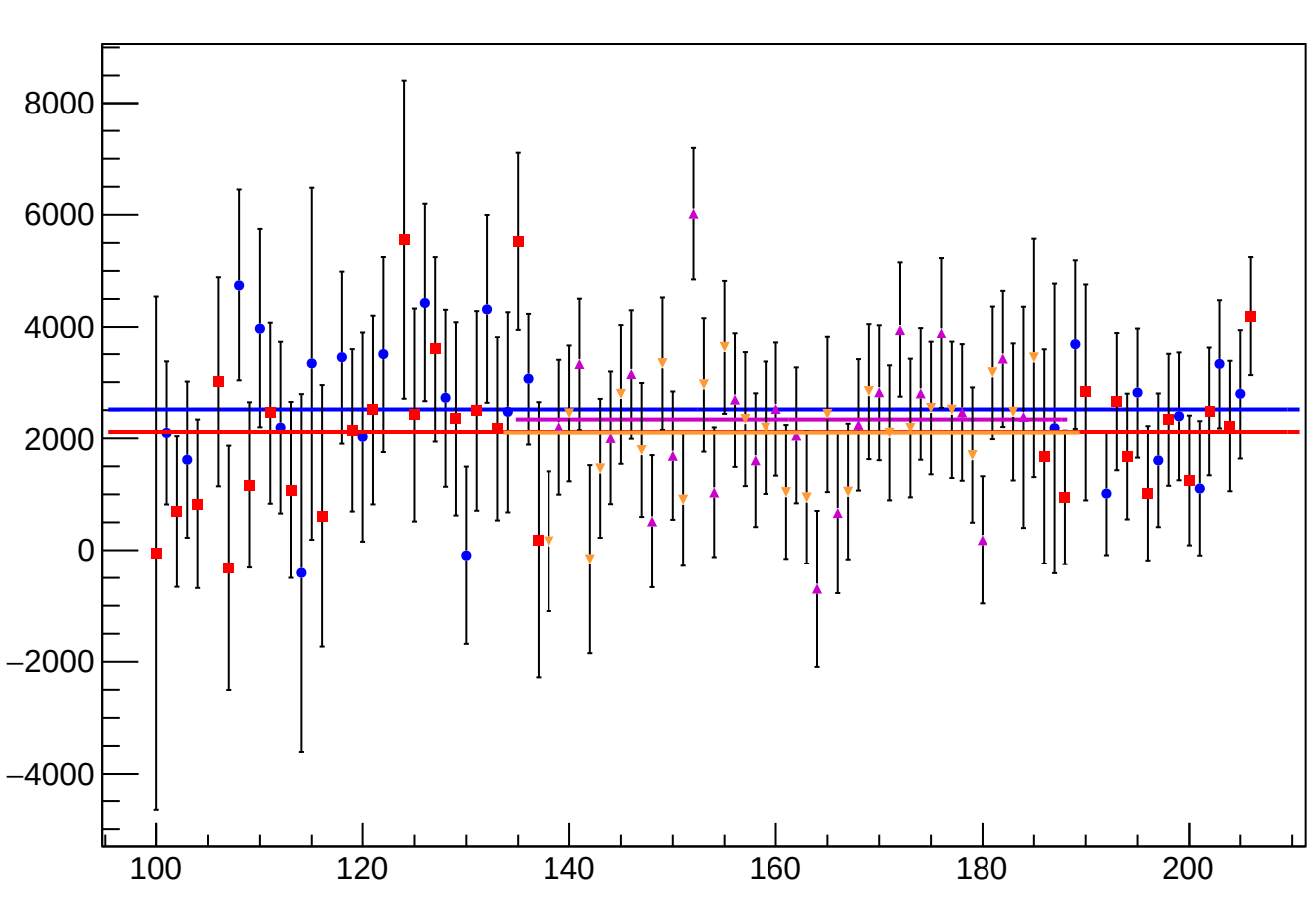
Right: -413.920+/-385.956 χ^2/NDF: 48.9/53

In: -13.574+/-297.373 χ^2/NDF:44.3/47

Out: 84.837+/-293.274 χ^2/NDF:51.6/53

All: 36.315+/-208.810 χ^2/NDF: 95.9/101


asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1913.235+/-0.386 χ²/NDF: 2871099.4/24
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 2051.976+/-0.386 χ²/NDF: 2829809.8/28
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 1982.684+/-0.273 χ²/NDF: 5765519.4/53
In: 1617.577+/-0.210 χ²/NDF:4668636.7/47
Out: 1663.872+/-0.207 χ²/NDF:5050025.4/53
All: 1641.046+/-0.148 χ²/NDF: 9743234.4/10



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

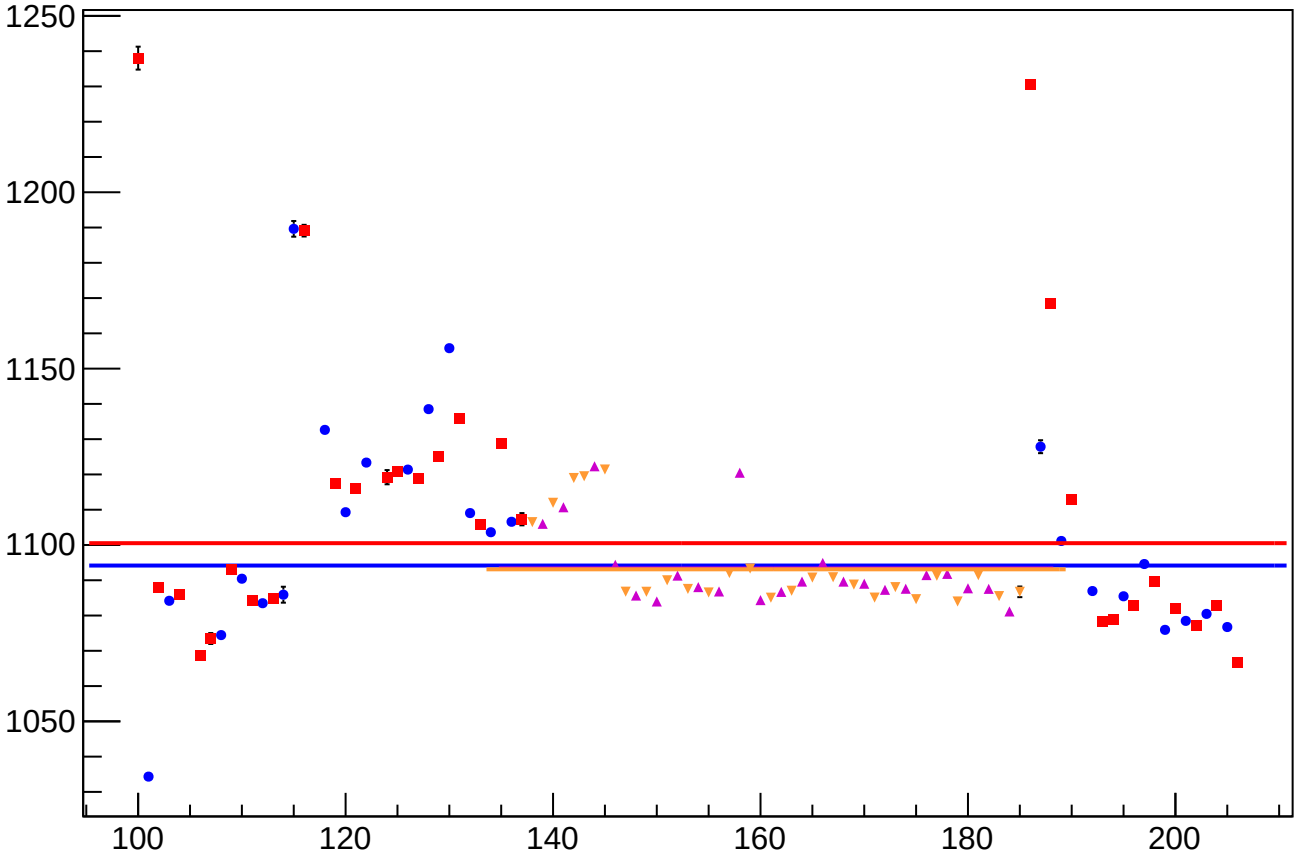
Right: 2299.304+/-199.280 χ^2/NDF: 35.3/54

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2251.551+/-132.751 χ^2/NDF: 79.2/102

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

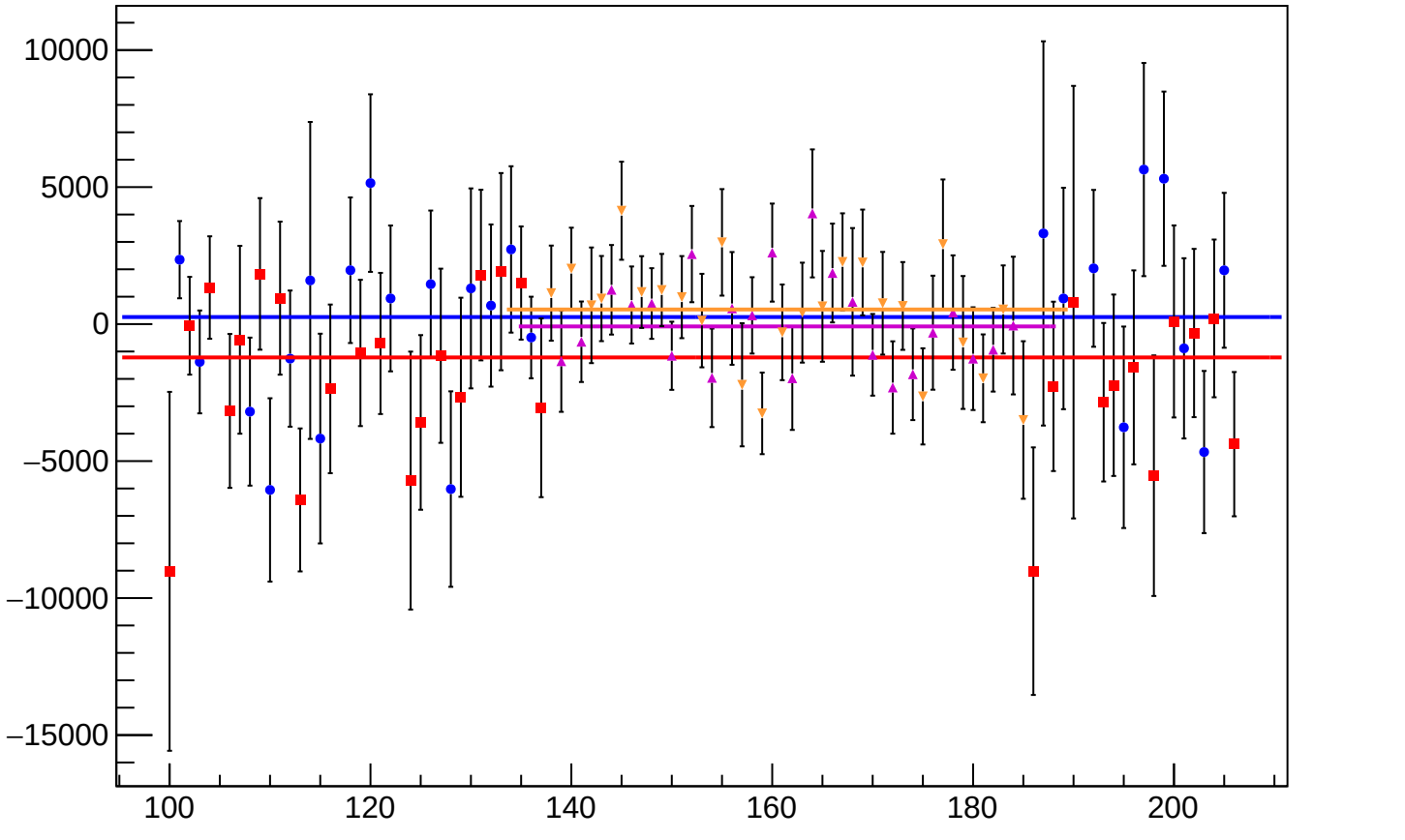
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1097.546+/-0.141 χ^2/NDF: 47716.8/54

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

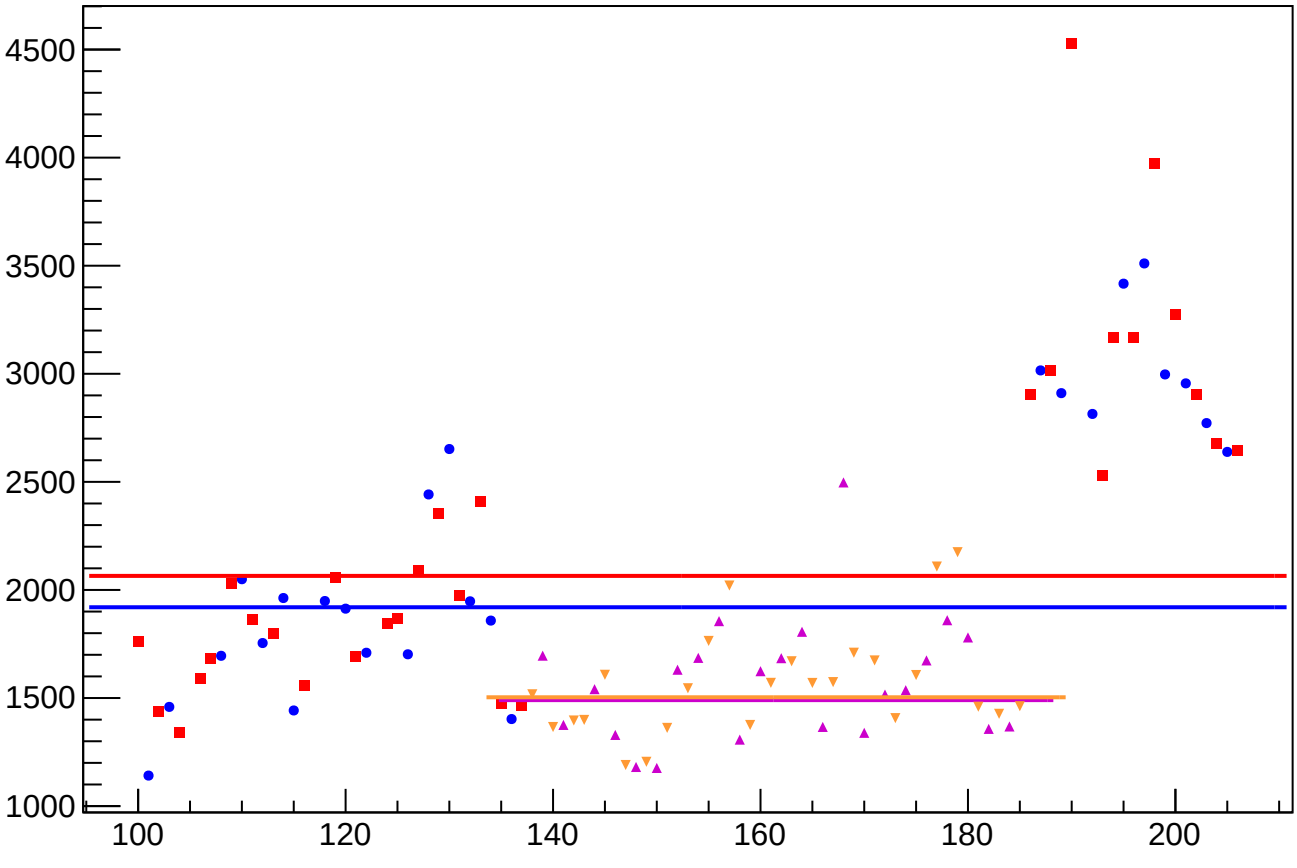
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -483.723+/-382.891 χ^2/NDF: 52.2/54

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 19.054+/-208.071 χ^2/NDF: 100.7/102



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

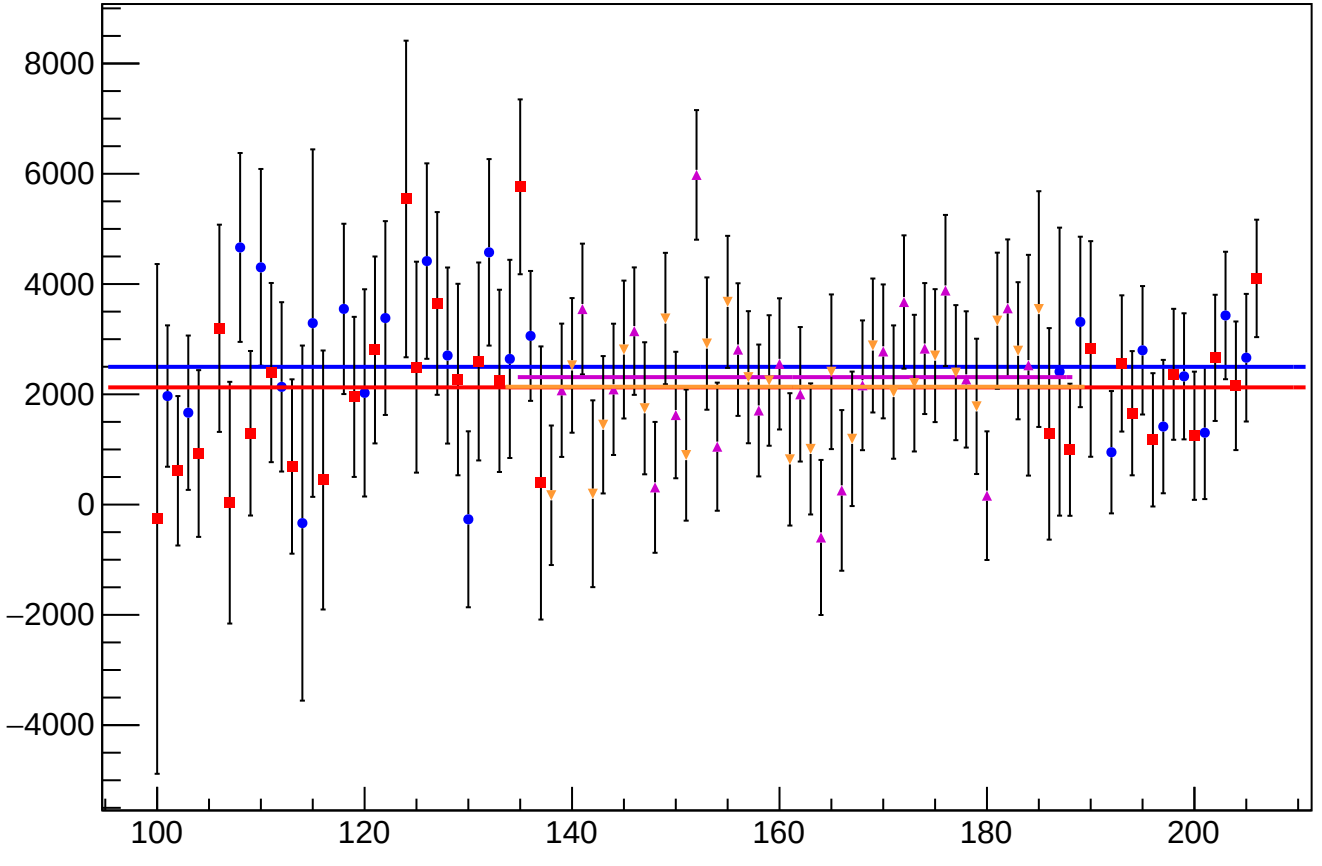
Right: 1992.872+/-0.271 χ^2/NDF: 5916611.7/54

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.322+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2126.027+/-274.554 χ^2/NDF: 19.8/29

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

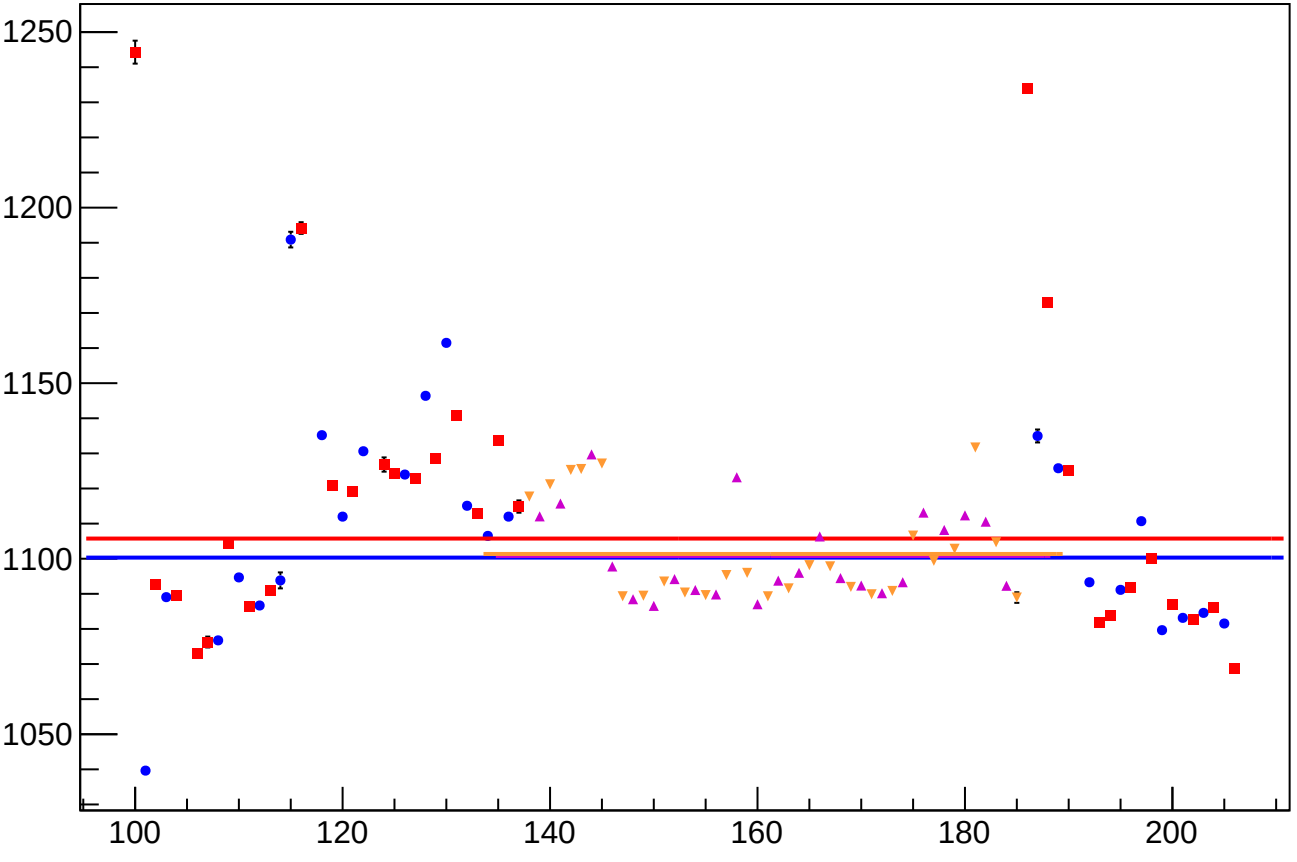
Right: 2300.113+/-200.330 χ^2/NDF: 36.1/54

In: 2392.908+/-193.212 χ^2/NDF:45.7/47

Out: 2132.123+/-184.928 χ^2/NDF:33.7/54

All: 2256.805+/-133.596 χ^2/NDF: 80.3/102

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.7/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.4/29

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

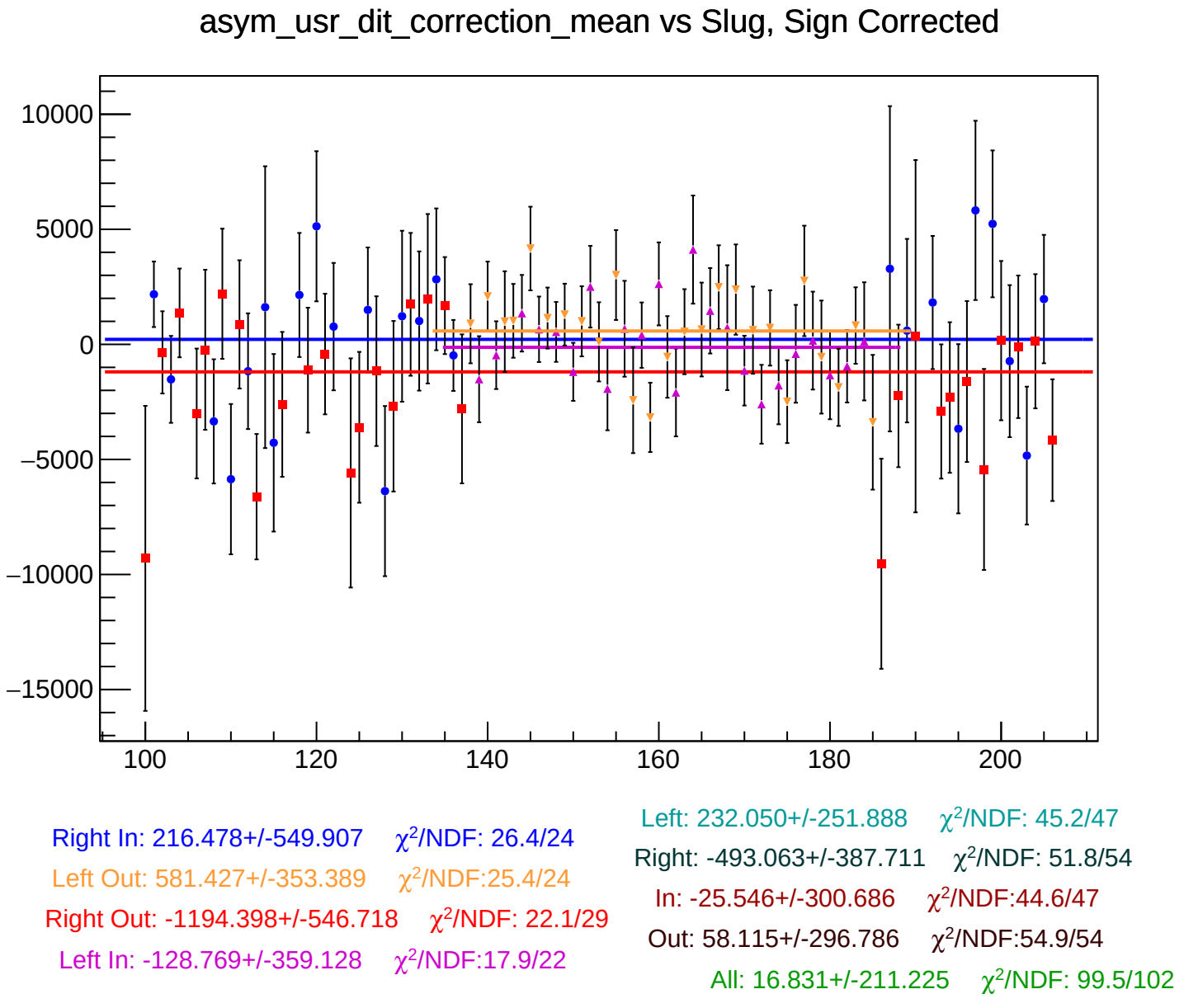
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

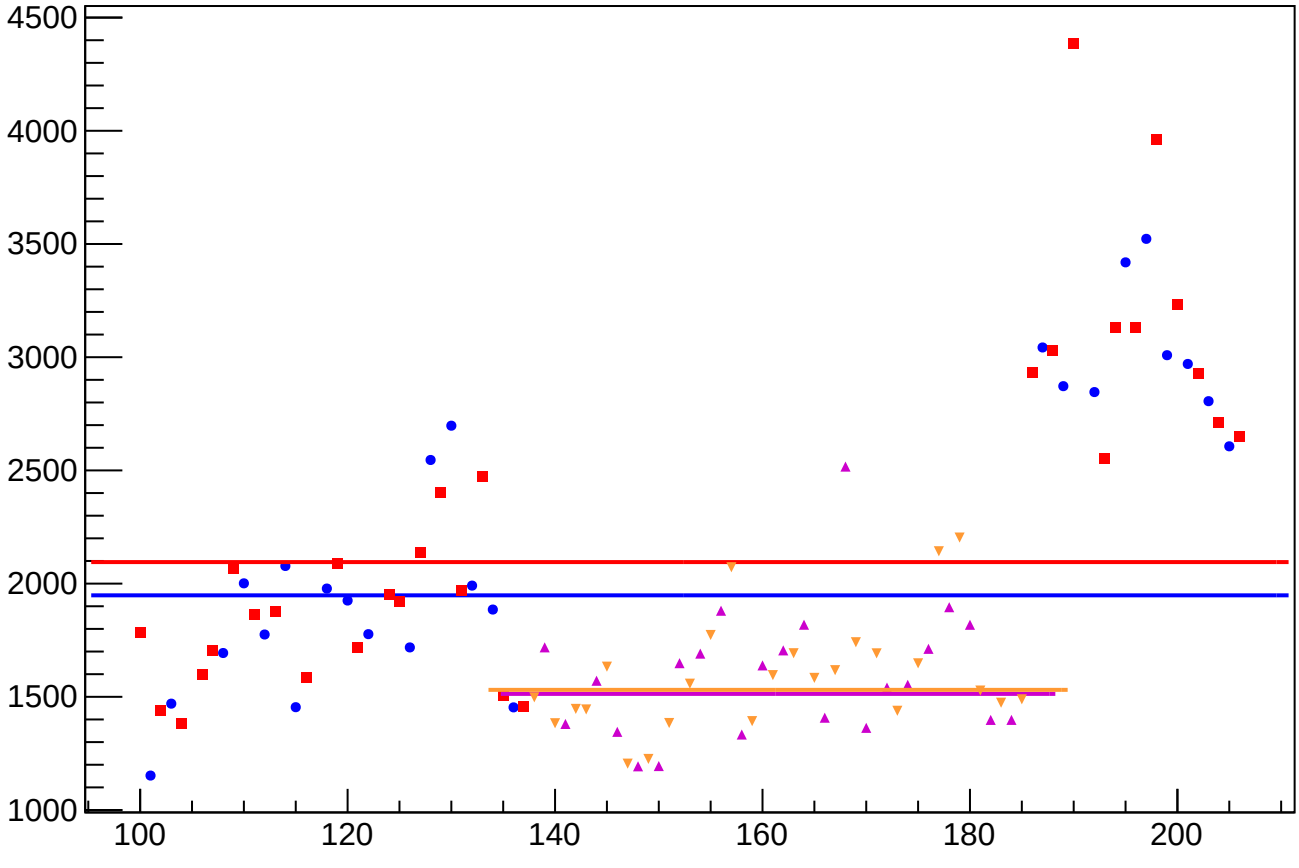
Right: 1103.204+/-0.142 χ^2/NDF: 48127.2/54

In: 1100.585+/-0.137 χ^2/NDF:21697.4/47

Out: 1103.344+/-0.131 χ^2/NDF:36939.0/54

All: 1102.025+/-0.094 χ^2/NDF: 58849.2/102


asym_usr_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 216.478+/-549.907 χ²/NDF: 26.4/24
Left Out: 581.427+/-353.389 χ²/NDF:25.4/24
Right Out: -1194.398+/-546.718 χ²/NDF: 22.1/29
Left In: -128.769+/-359.128 χ²/NDF:17.9/22
Left: 232.050+/-251.888 χ²/NDF: 45.2/47
Right: -493.063+/-387.711 χ²/NDF: 51.8/54
In: -25.546+/-300.686 χ²/NDF:44.6/47
Out: 58.115+/-296.786 χ²/NDF:54.9/54
All: 16.831+/-211.225 χ²/NDF: 99.5/102



Right In: 1948.252+/-0.389 χ^2/NDF: 2860133.4/24

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2095.111+/-0.387 χ^2/NDF: 2792090.9/29

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

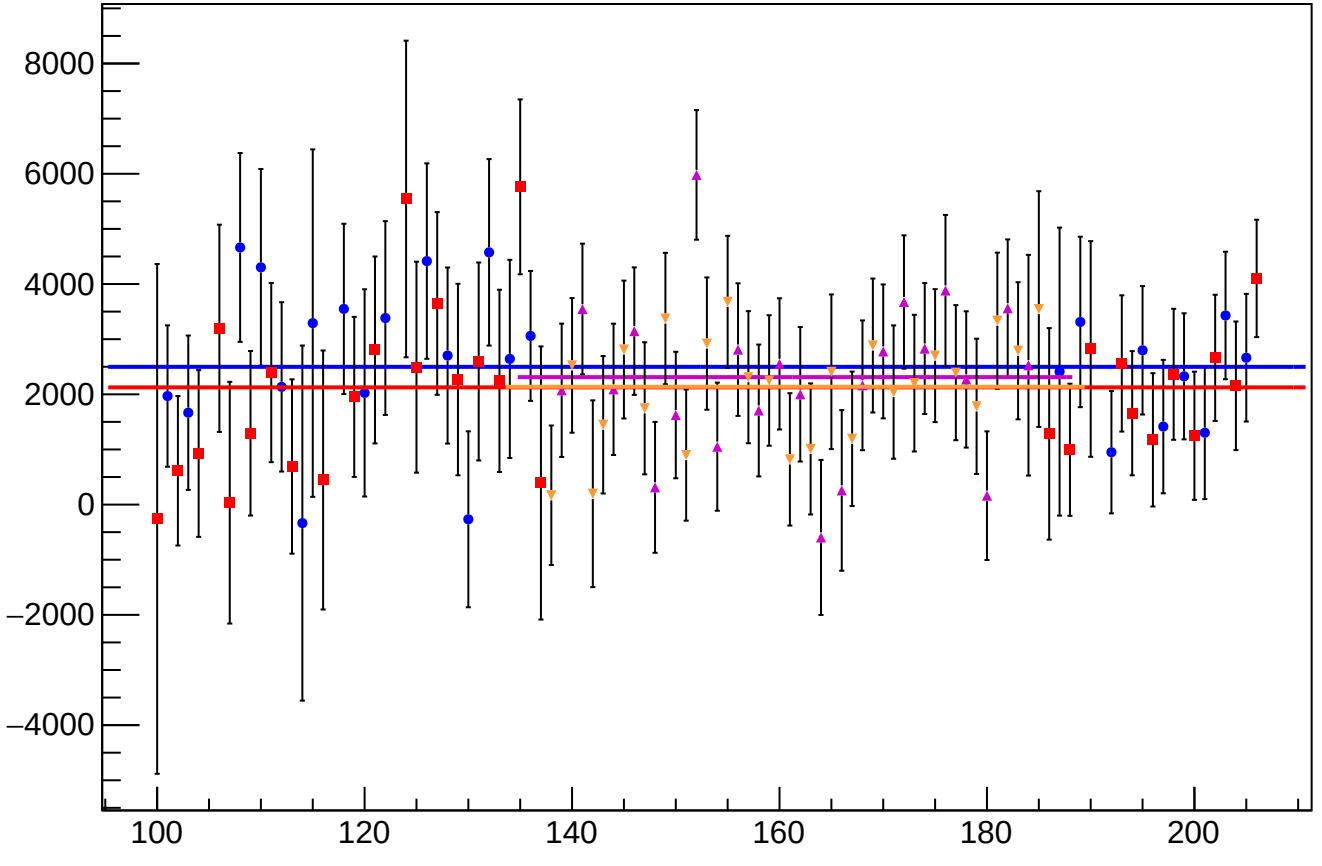
Right: 2022.109+/-0.274 χ^2/NDF: 5723961.0/54

In: 1643.096+/-0.213 χ^2/NDF:4695742.7/47

Out: 1697.070+/-0.210 χ^2/NDF:5090788.6/54

All: 1670.435+/-0.149 χ^2/NDF: 9819172.6/10

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.321+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2126.025+/-274.554 χ^2/NDF: 19.8/29

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

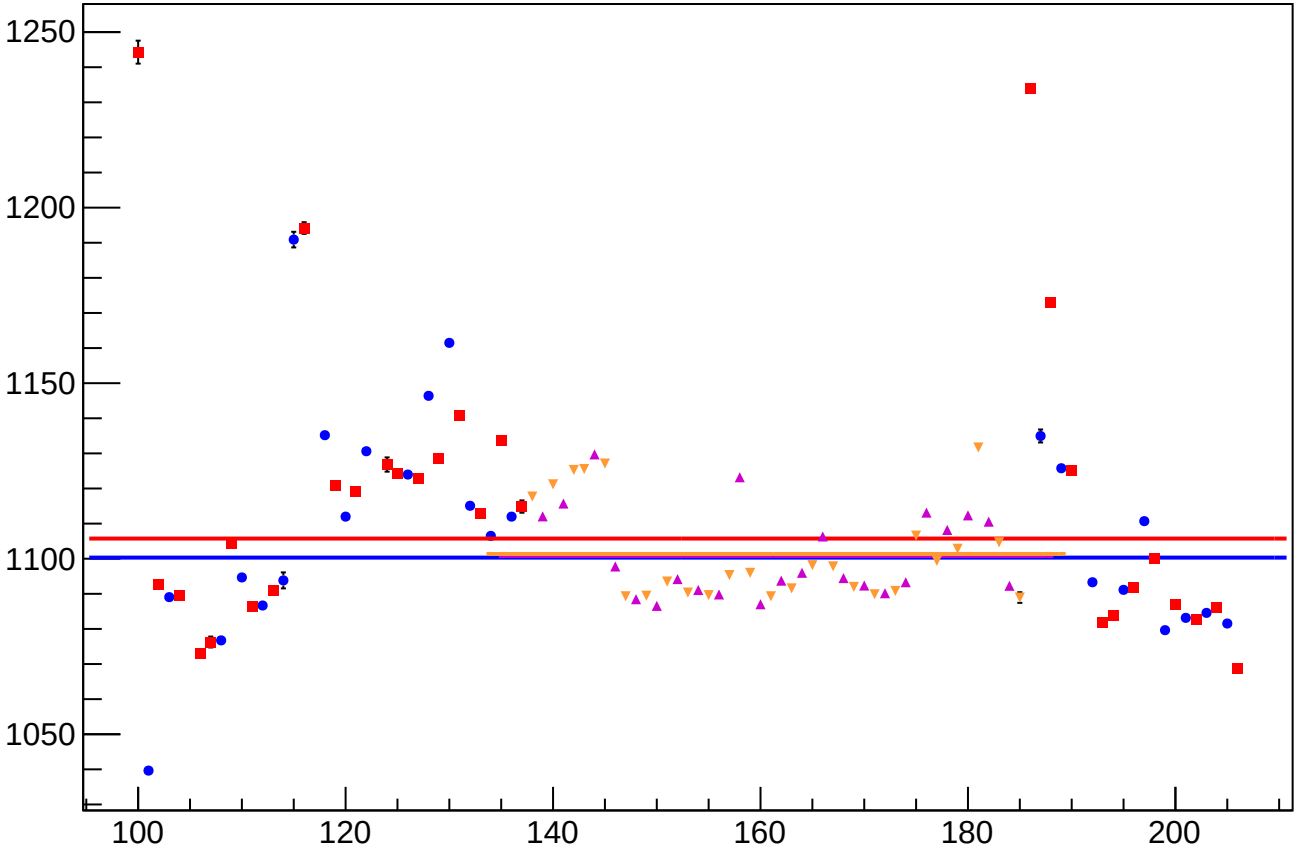
Right: 2300.111+/-200.330 χ^2/NDF: 36.1/54

In: 2392.907+/-193.212 χ^2/NDF:45.7/47

Out: 2132.120+/-184.928 χ^2/NDF:33.7/54

All: 2256.803+/-133.596 χ^2/NDF: 80.3/102

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.6/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.3/29

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

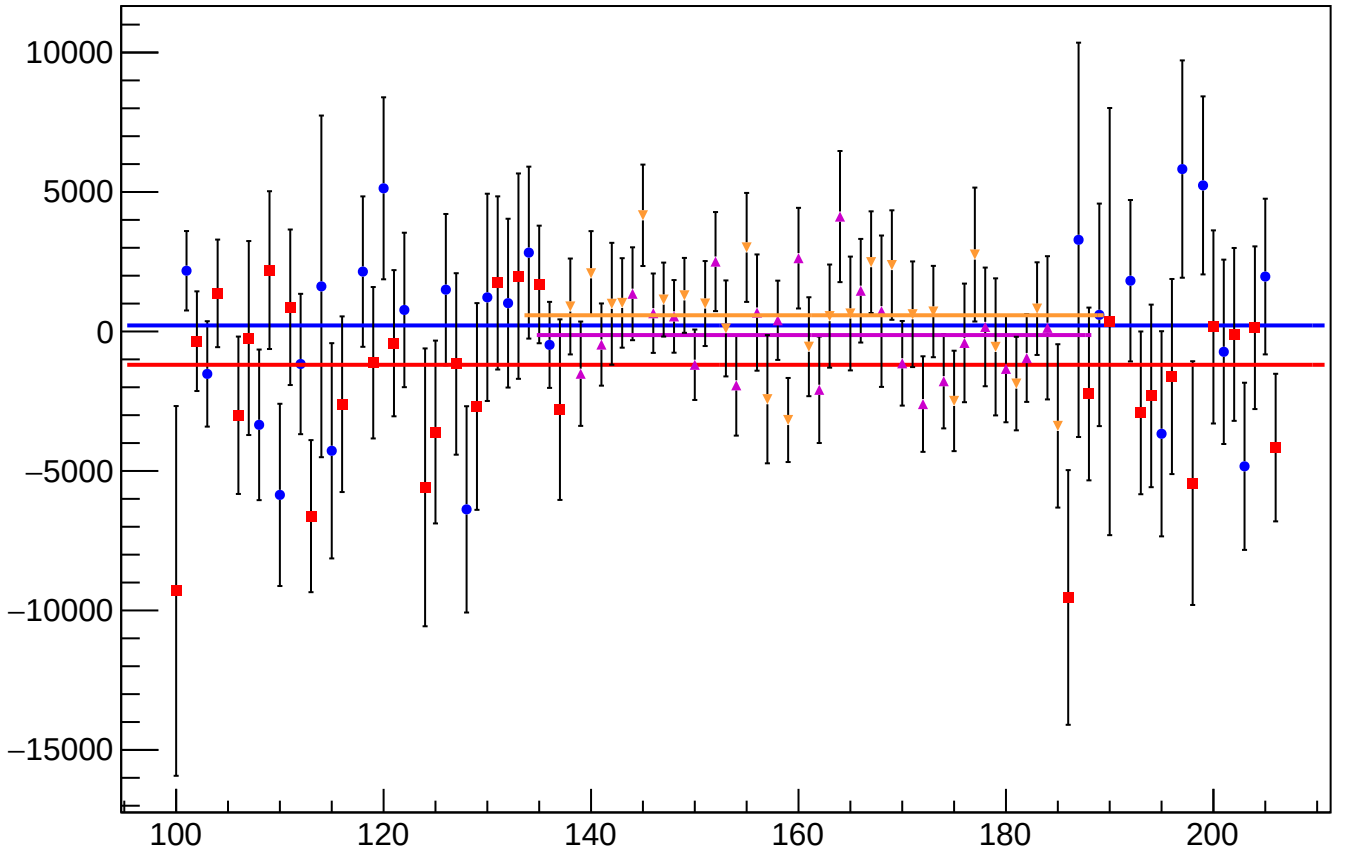
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1103.203+/-0.142 χ^2/NDF: 48127.1/54

In: 1100.585+/-0.137 χ^2/NDF:21697.3/47

Out: 1103.344+/-0.131 χ^2/NDF:36938.9/54

All: 1102.025+/-0.094 χ^2/NDF: 58849.0/102



Right In: 216.474+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1194.399+/-546.718 χ^2/NDF: 22.1/29

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

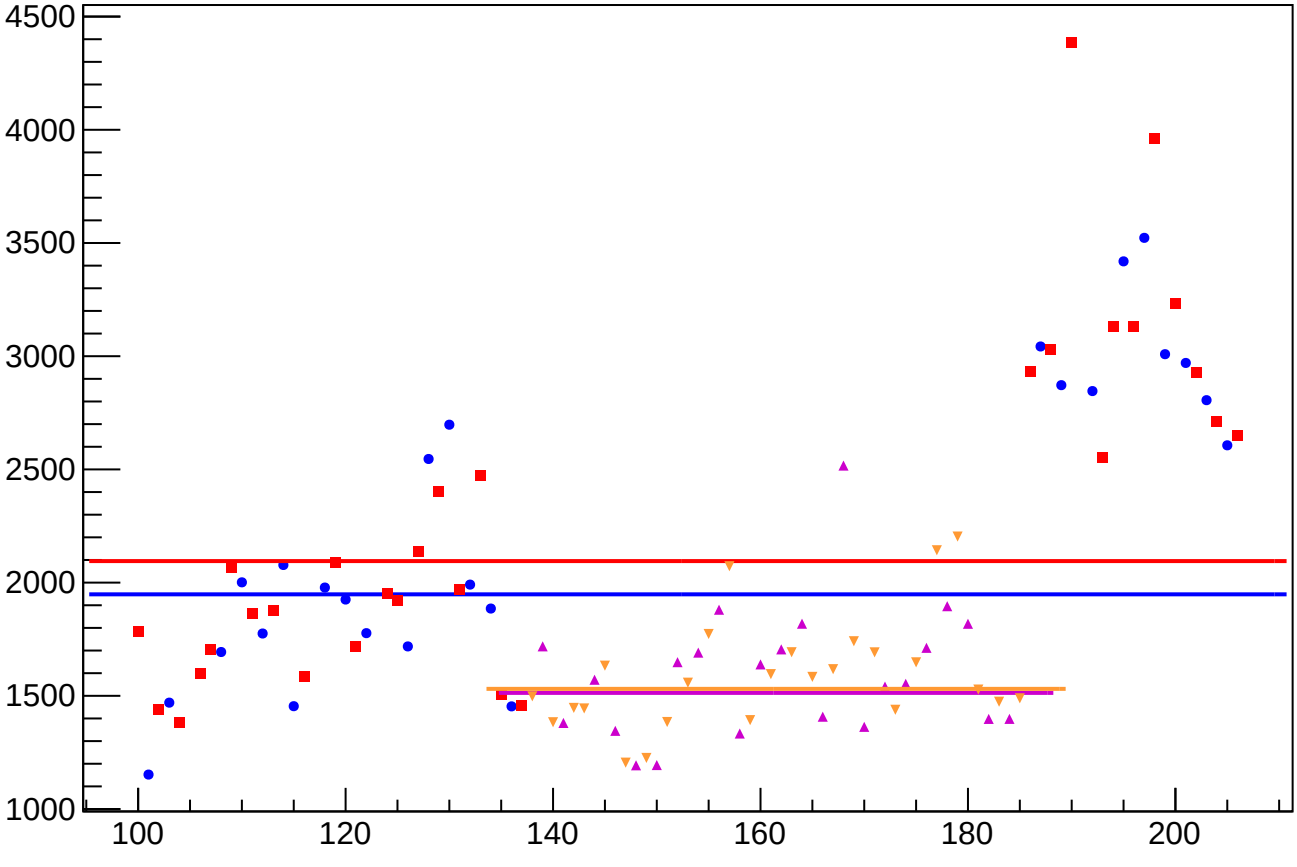
Right: -493.065+/-387.710 χ^2/NDF: 51.8/54

In: -25.546+/-300.687 χ^2/NDF:44.6/47

Out: 58.111+/-296.787 χ^2/NDF:54.9/54

All: 16.829+/-211.225 χ^2/NDF: 99.5/102

asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1948.250+/-0.389 χ^2/NDF: 2860136.5/24

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2095.110+/-0.387 χ^2/NDF: 2792089.1/29

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

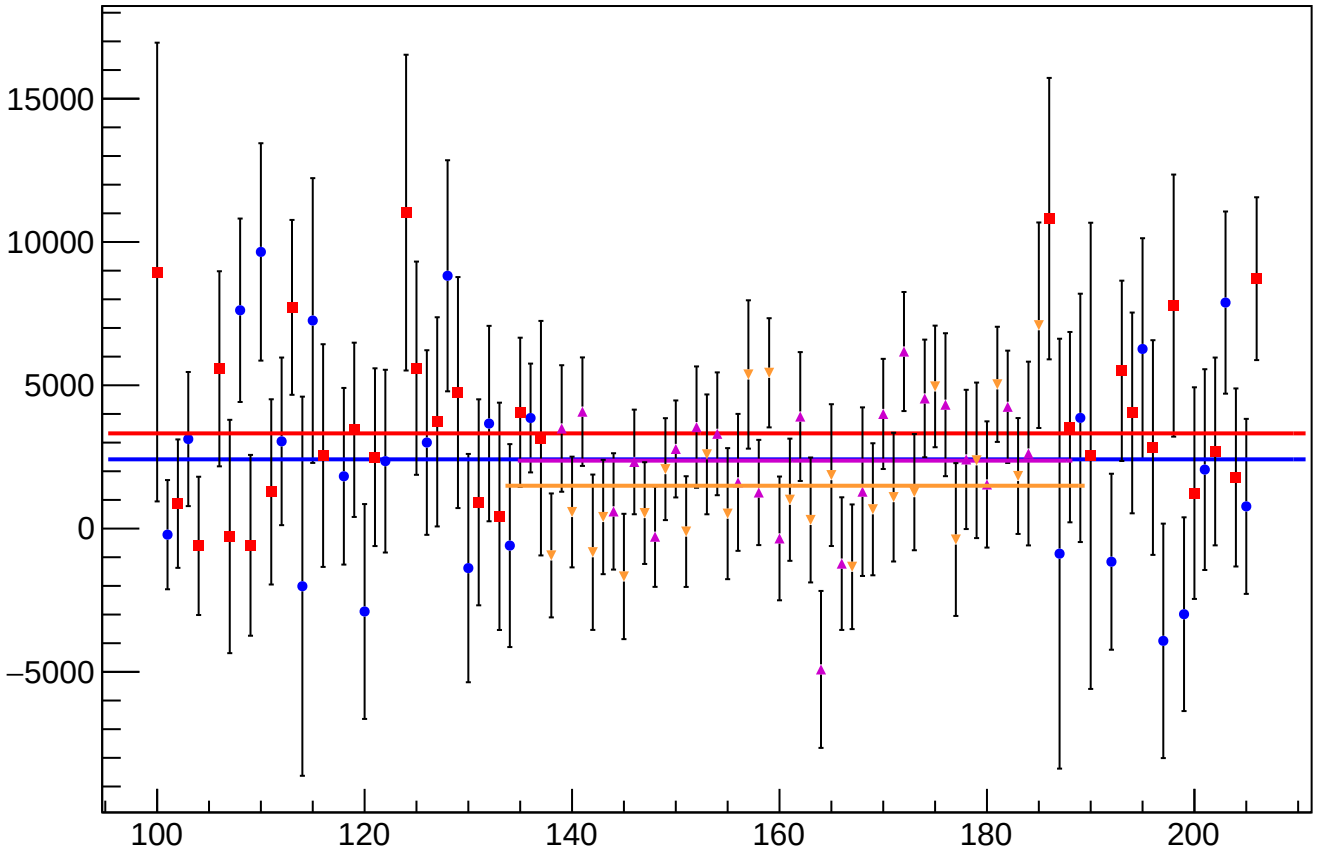
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2022.107+/-0.274 χ^2/NDF: 5723963.0/54

In: 1643.099+/-0.213 χ^2/NDF:4695728.3/47

Out: 1697.073+/-0.210 χ^2/NDF:5090761.9/54

All: 1670.438+/-0.149 χ^2/NDF: 9819131.9/10



Right In: 2415.942+/-642.343 χ^2/NDF: 27.5/24

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3321.867+/-626.433 χ^2/NDF: 21.3/29

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

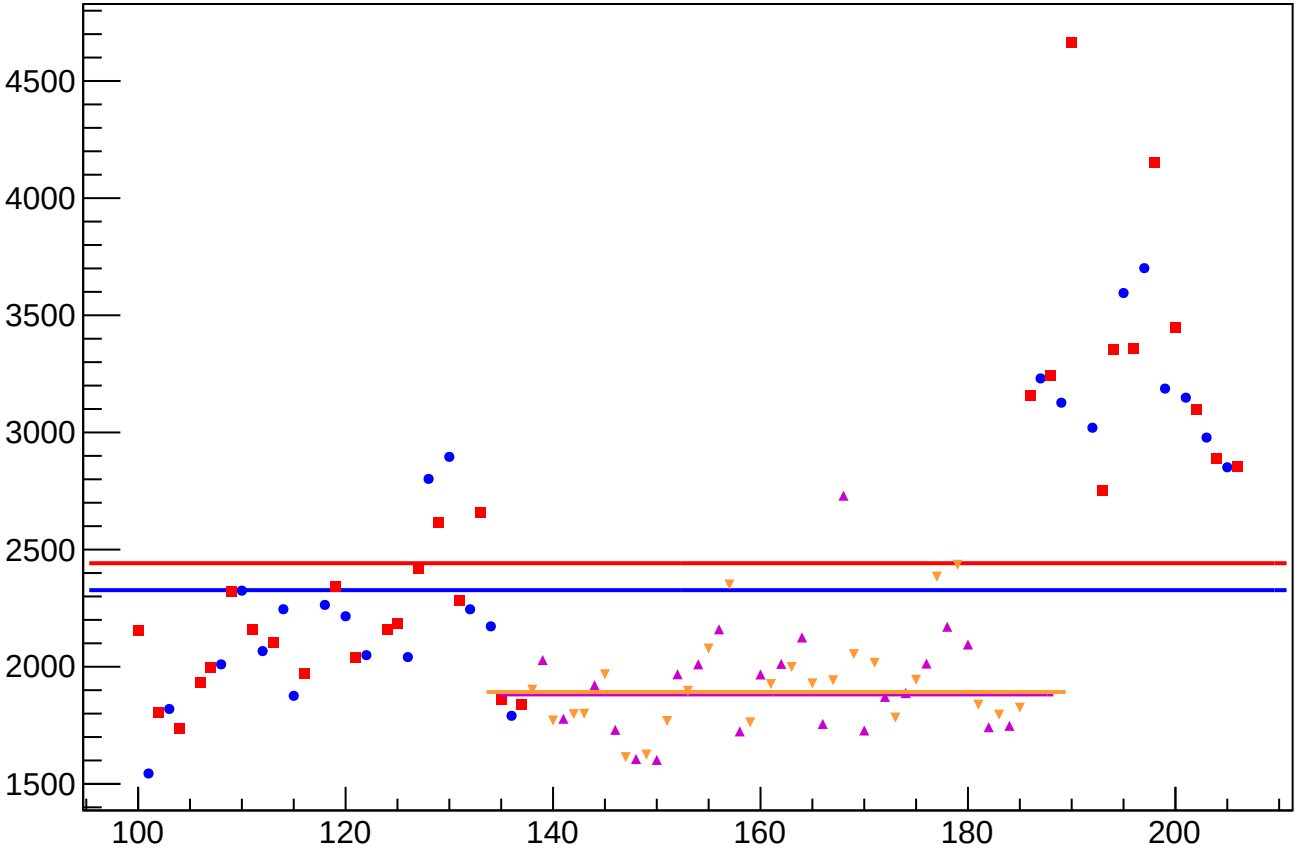
Right: 2880.262+/-448.474 χ^2/NDF: 49.8/54

In: 2385.276+/-364.655 χ^2/NDF:51.2/47

Out: 2086.018+/-356.300 χ^2/NDF:50.8/54

All: 2232.179+/-254.845 χ^2/NDF: 102.3/102

asym_usr_rms vs Slug, Sign Corrected



Right In: 2326.903+/-0.454 χ^2/NDF: 1772757.3/24

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2441.893+/-0.443 χ^2/NDF: 1859908.7/29

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

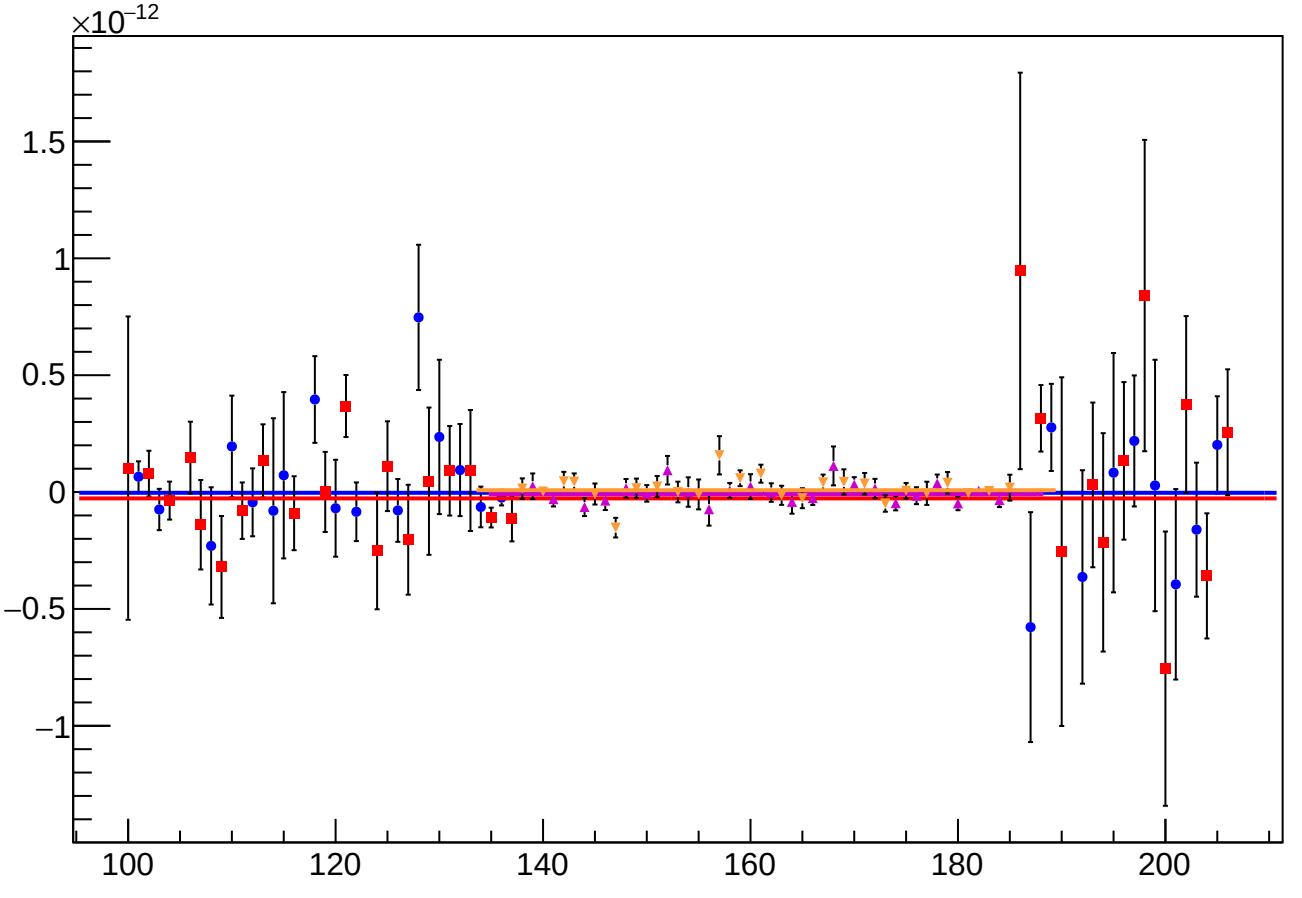
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2385.840+/-0.317 χ^2/NDF: 3665516.6/54

In: 2025.309+/-0.258 χ^2/NDF:2885981.1/47

Out: 2069.973+/-0.252 χ^2/NDF:3291673.9/54

All: 2048.159+/-0.180 χ^2/NDF: 6193004.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

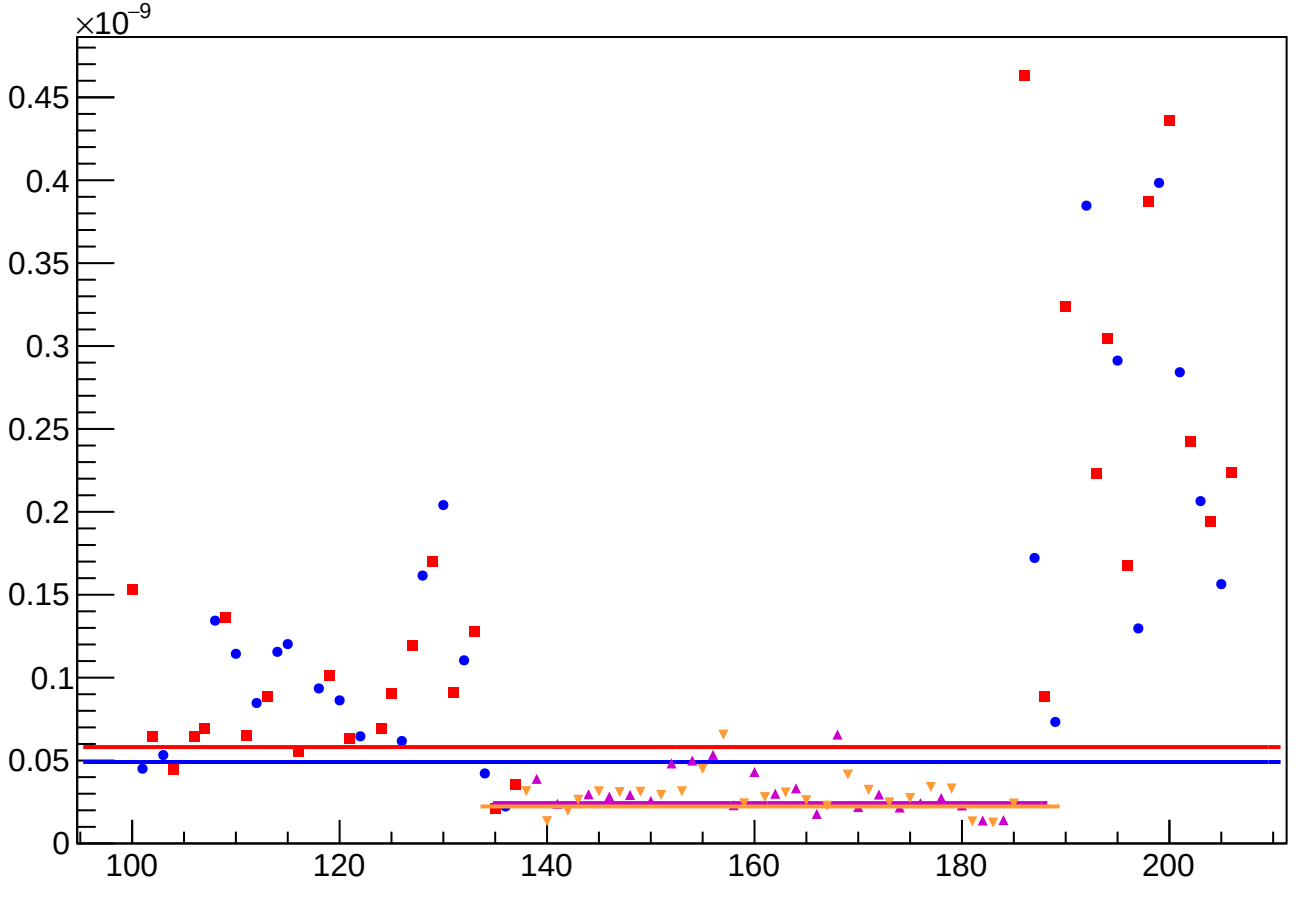
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 60.8/54

In: -0.000+/-0.000 χ^2/NDF:42.7/47

Out: 0.000+/-0.000 χ^2/NDF:70.8/54

All: -0.000+/-0.000 χ^2/NDF: 115.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 7591706.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940836.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

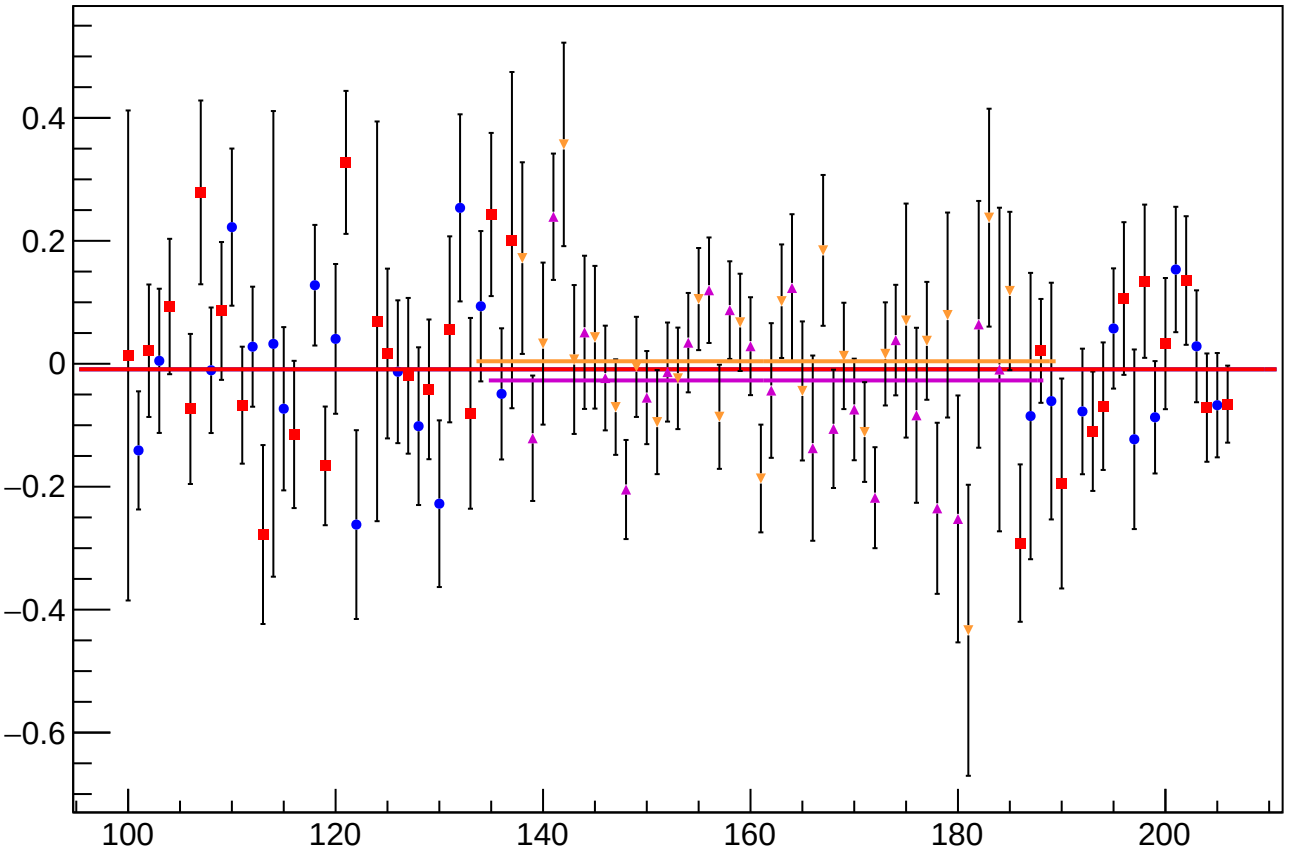
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15664360.4/54

In: 0.000+/-0.000 χ^2/NDF:12717843.1/47

Out: 0.000+/-0.000 χ^2/NDF:15130048.0/54

All: 0.000+/-0.000 χ^2/NDF: 27928439.2/102



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

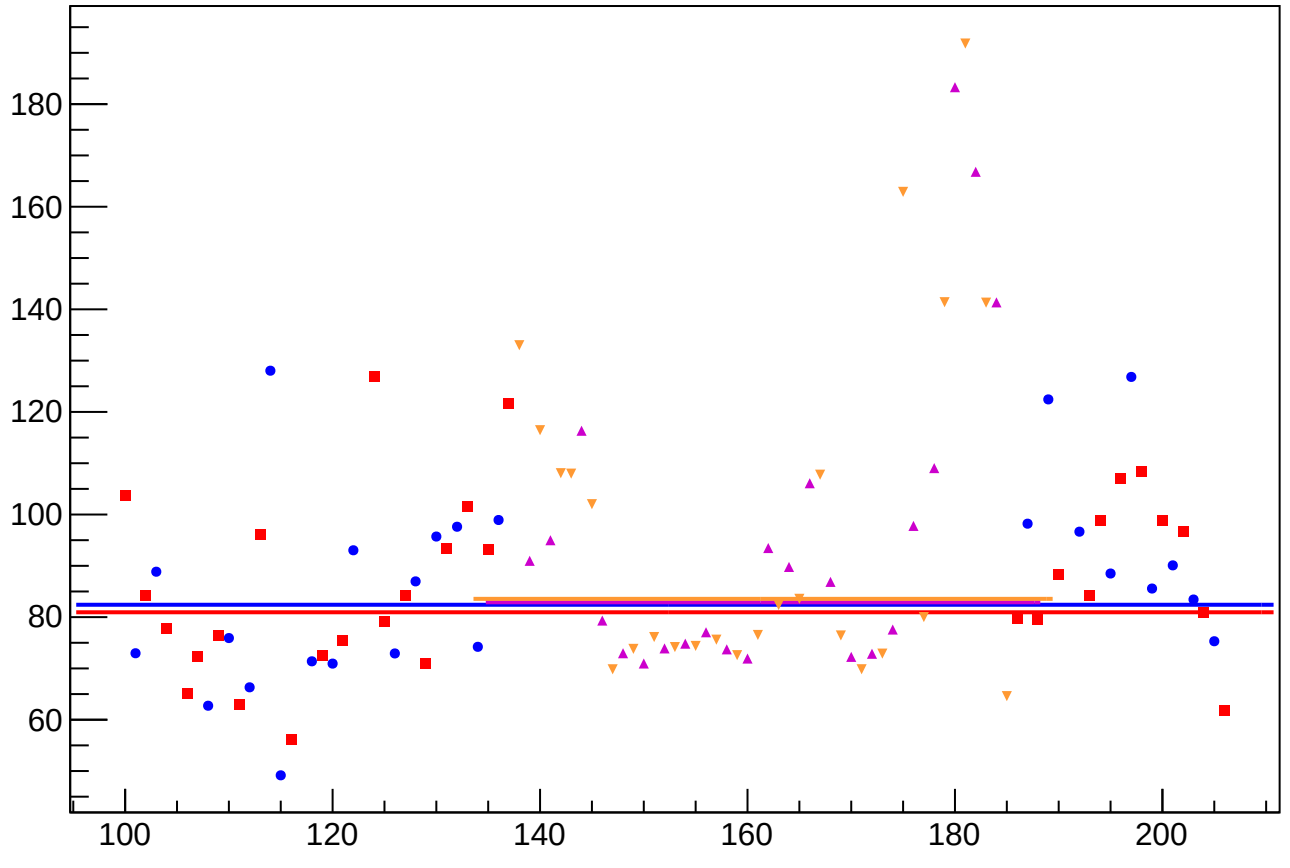
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.016 χ^2/NDF: 62.1/54

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.010+/-0.011 χ^2/NDF: 123.4/102



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

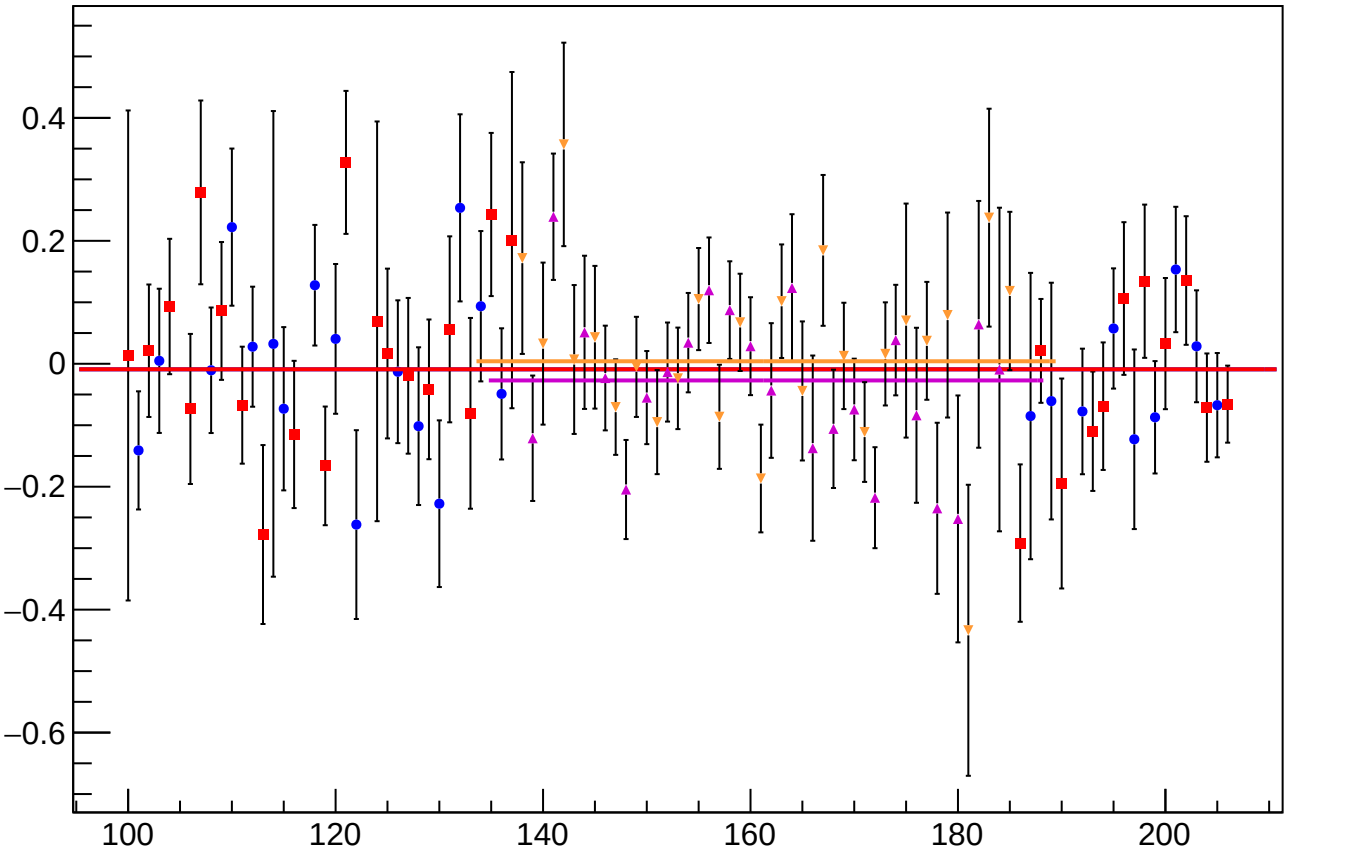
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 81.611+/-0.011 χ^2/NDF: 1794748.1/54

In: 82.679+/-0.011 χ^2/NDF:2406763.6/47

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 82.481+/-0.007 χ^2/NDF: 5553429.1/102



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

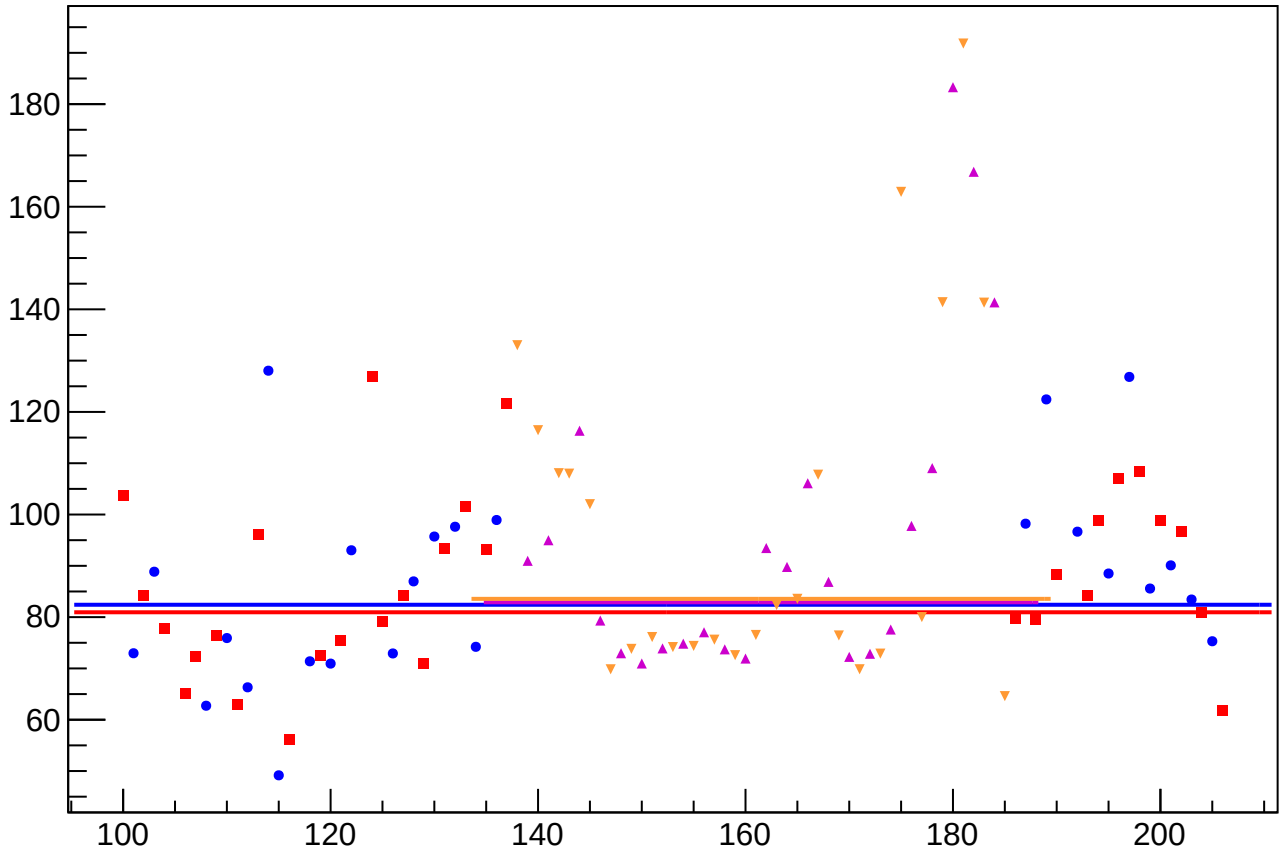
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.016 χ^2/NDF: 62.1/54

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.010+/-0.011 χ^2/NDF: 123.4/102



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

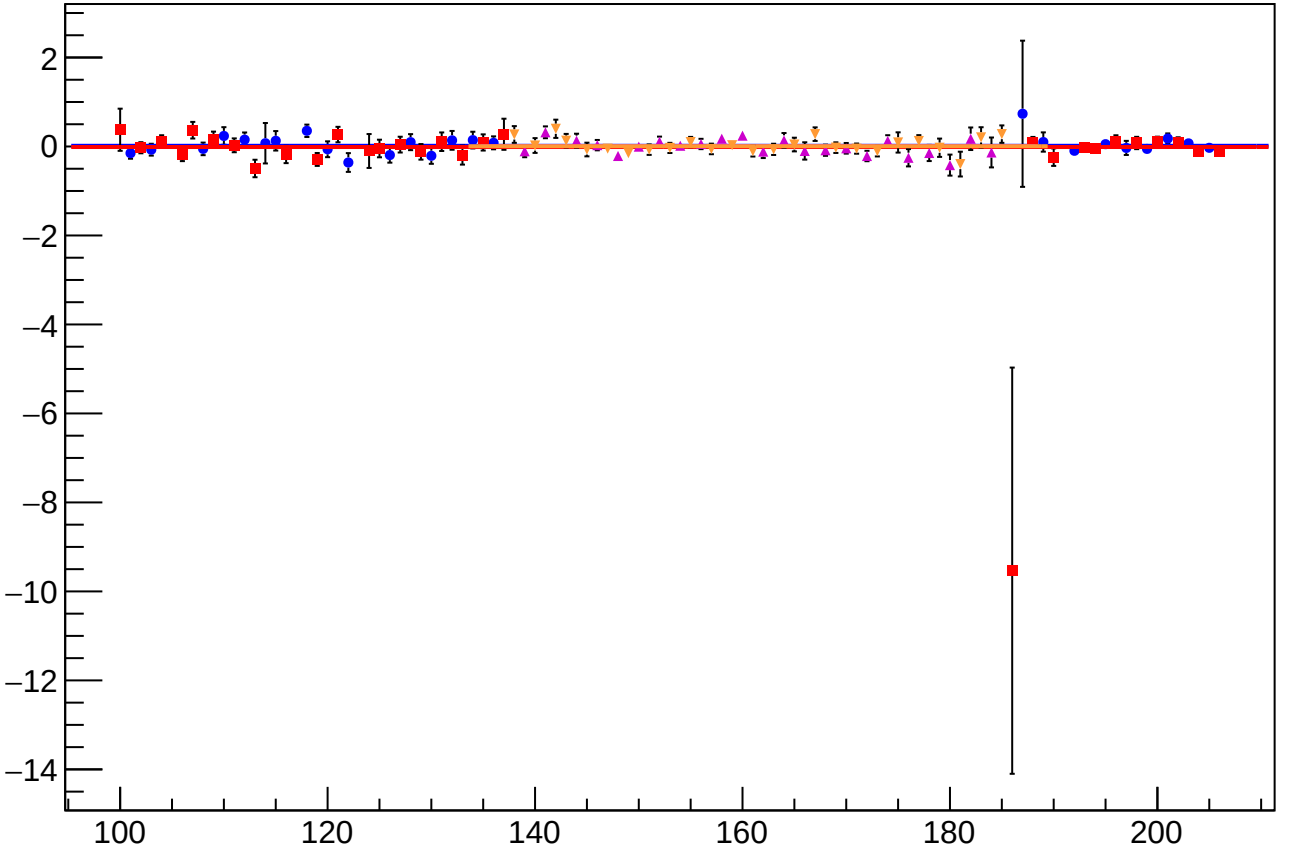
Right: 81.611+/-0.011 χ^2/NDF: 1794748.1/54

In: 82.679+/-0.011 χ^2/NDF:2406763.6/47

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 82.481+/-0.007 χ^2/NDF: 5553429.1/102

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.027 χ^2/NDF: 35.6/29

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

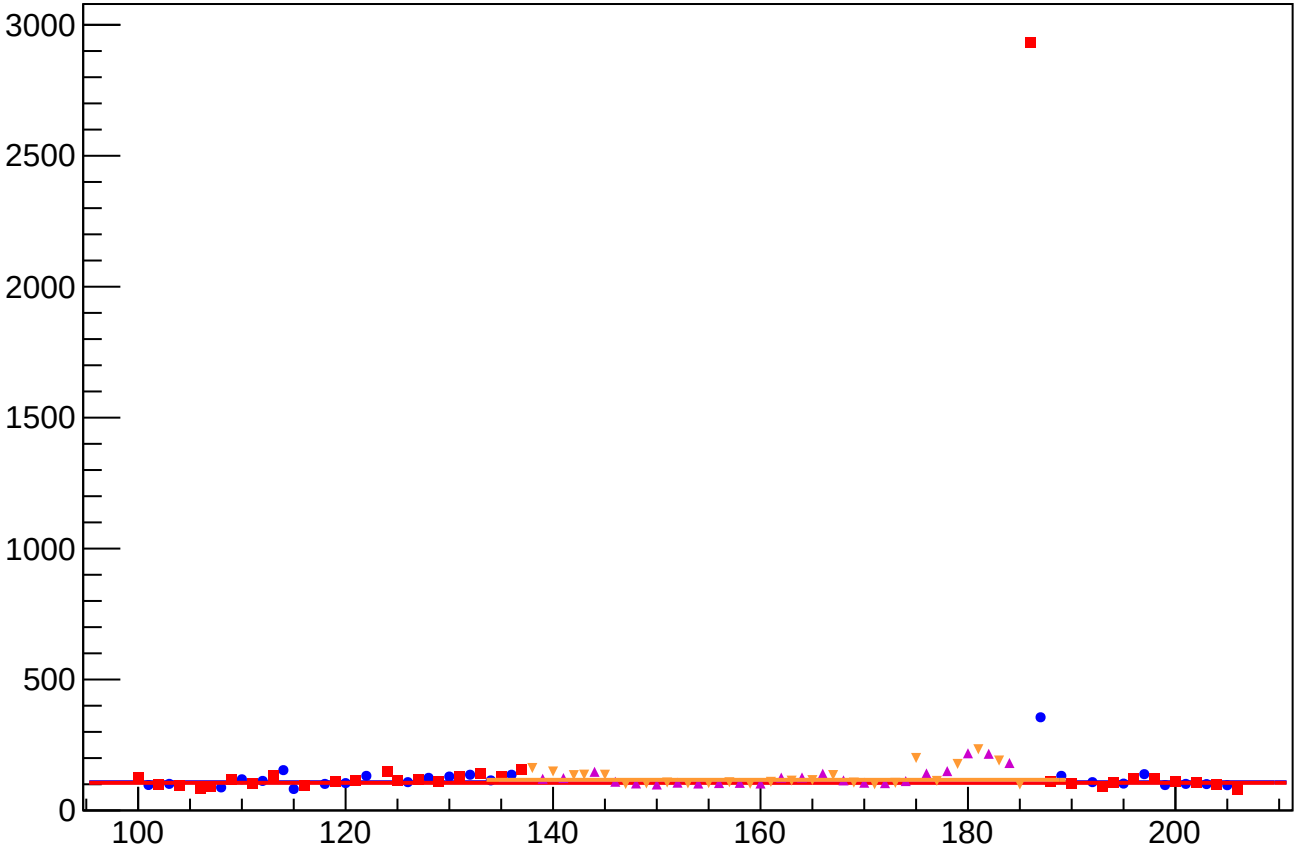
Right: 0.001+/-0.020 χ^2/NDF: 58.7/54

In: 0.013+/-0.020 χ^2/NDF:54.0/47

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.004+/-0.014 χ^2/NDF: 111.4/102

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 107.780+/-0.021 χ^2/NDF: 519879.4/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397442.4/29

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

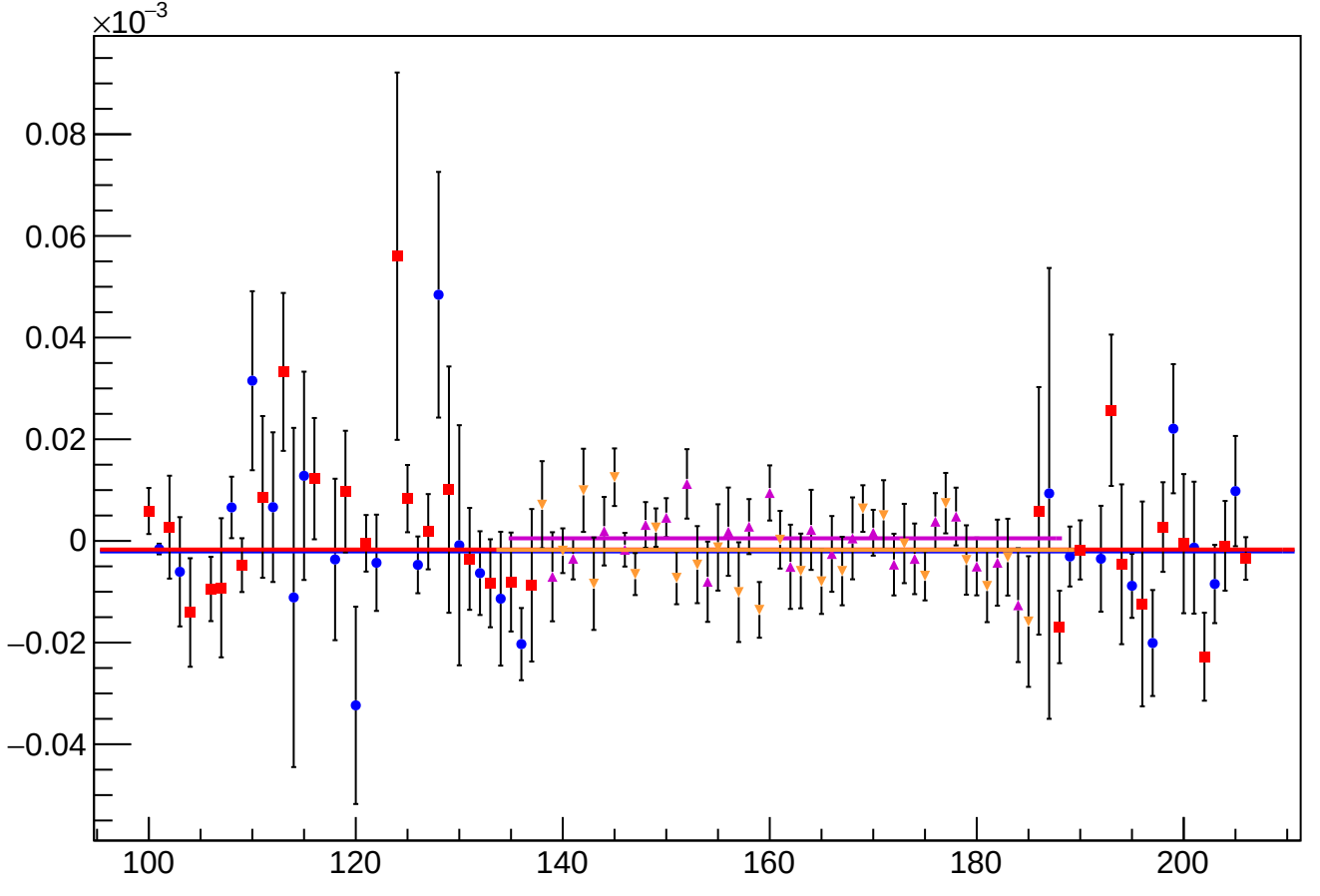
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 106.541+/-0.014 χ^2/NDF: 1923648.0/54

In: 112.055+/-0.014 χ^2/NDF:1828708.4/47

Out: 111.110+/-0.014 χ^2/NDF:3164750.4/54

All: 111.559+/-0.010 χ^2/NDF: 4995695.6/102



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

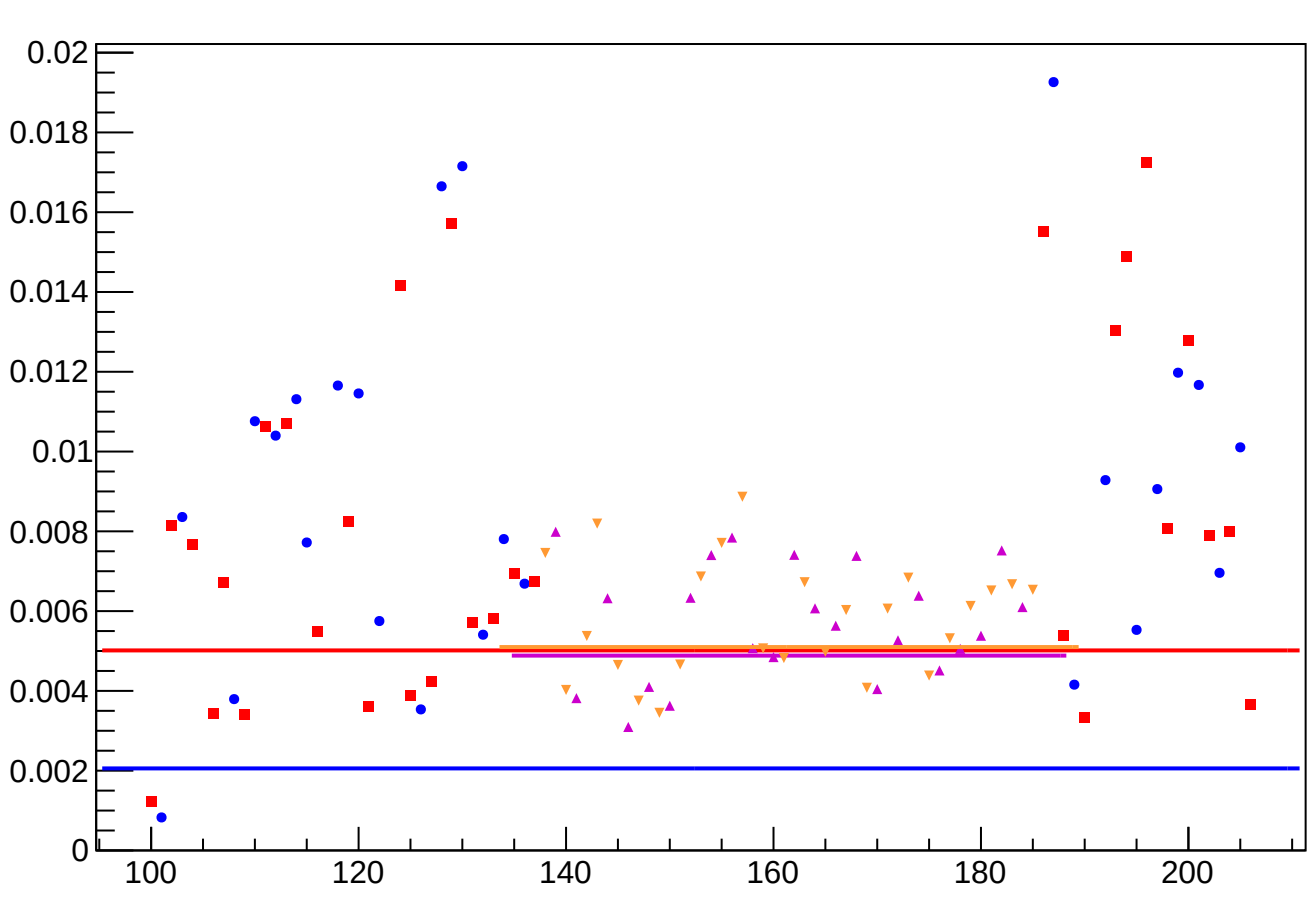
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.9/54

In: -0.000+/-0.000 χ^2/NDF:49.7/47

Out: -0.000+/-0.000 χ^2/NDF:66.7/54

All: -0.000+/-0.000 χ^2/NDF: 116.7/102



Right In: 0.002+/-0.000 χ^2/NDF: 17063104.0/24

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7776429.2/29

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

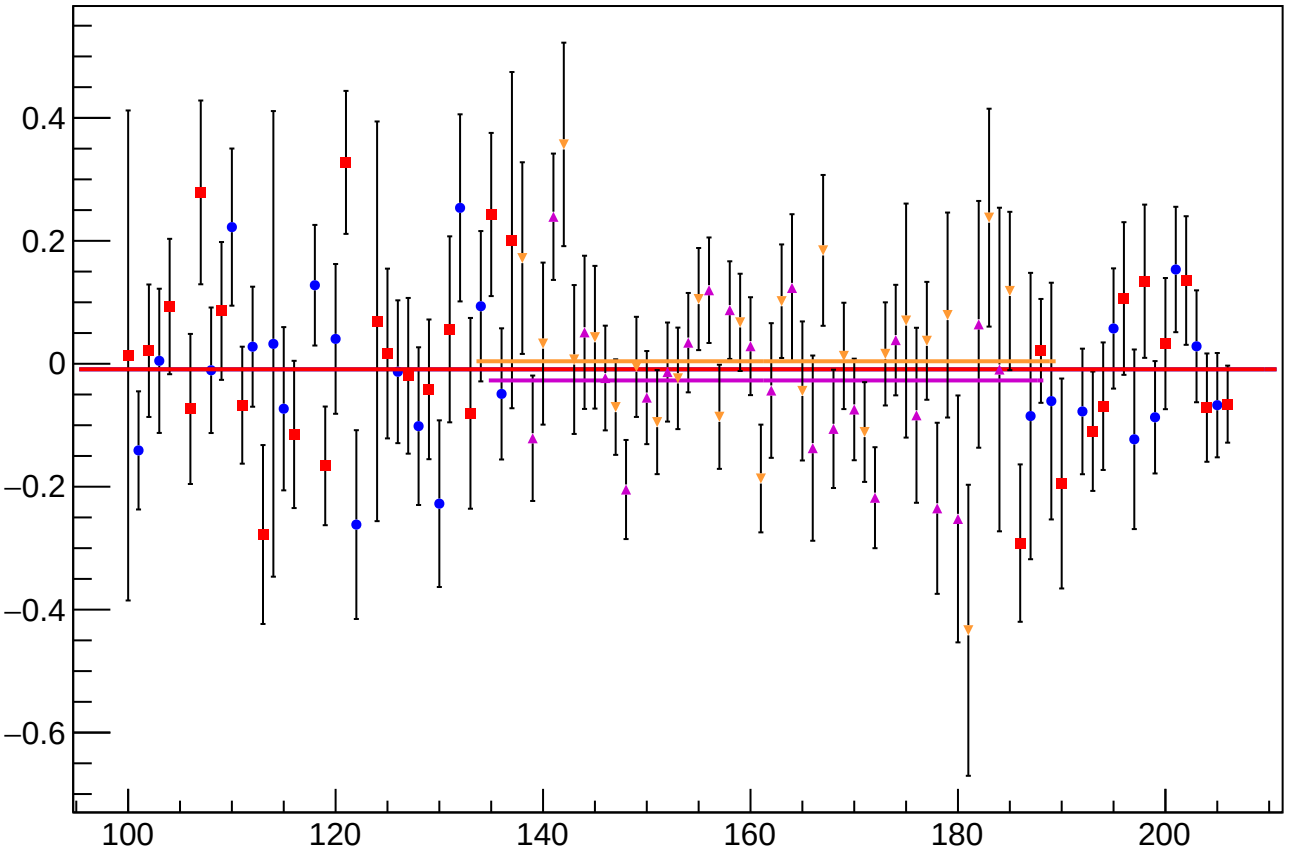
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 30364487.7/54

In: 0.003+/-0.000 χ^2/NDF:26787228.6/47

Out: 0.005+/-0.000 χ^2/NDF:10158834.2/54

All: 0.004+/-0.000 χ^2/NDF: 42247010.8/102



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

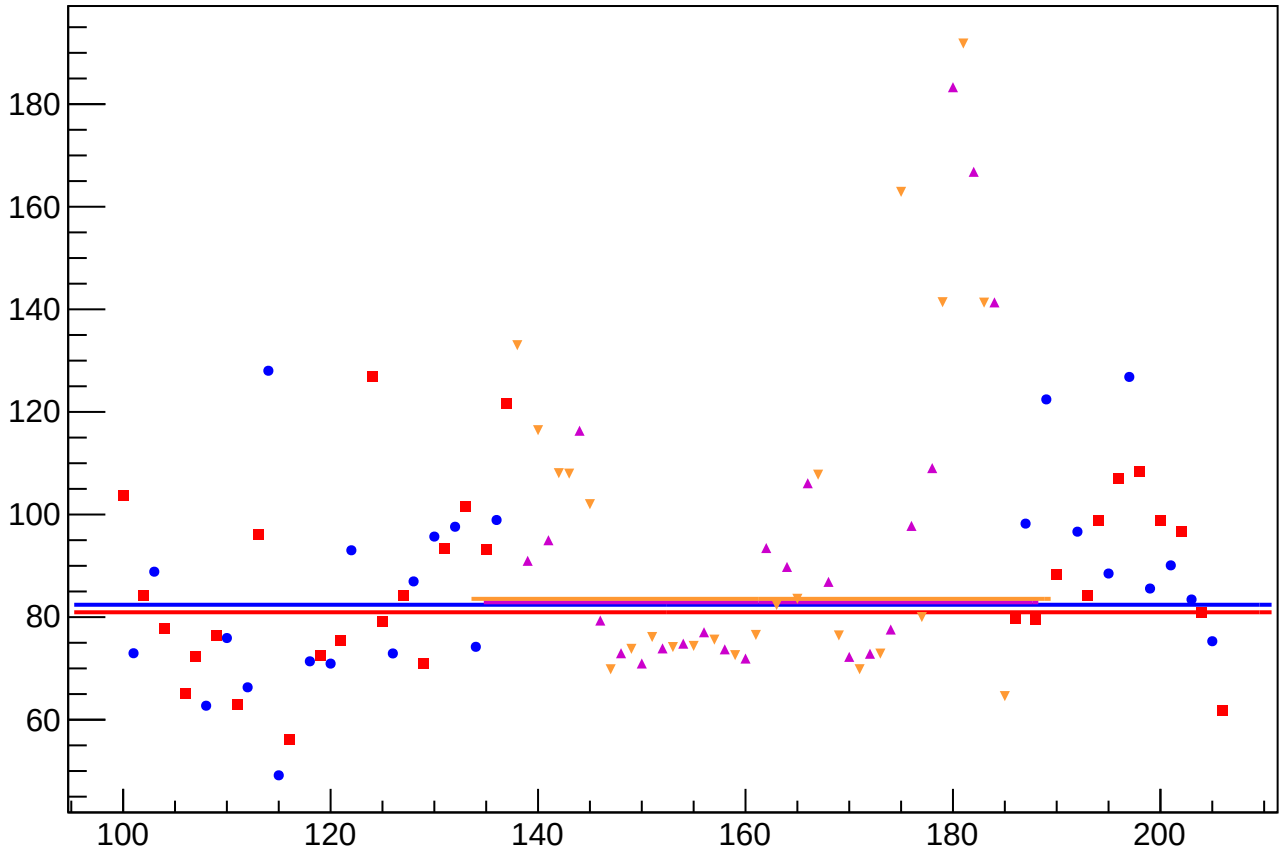
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.016 χ^2/NDF: 62.1/54

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.010+/-0.011 χ^2/NDF: 123.4/102



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

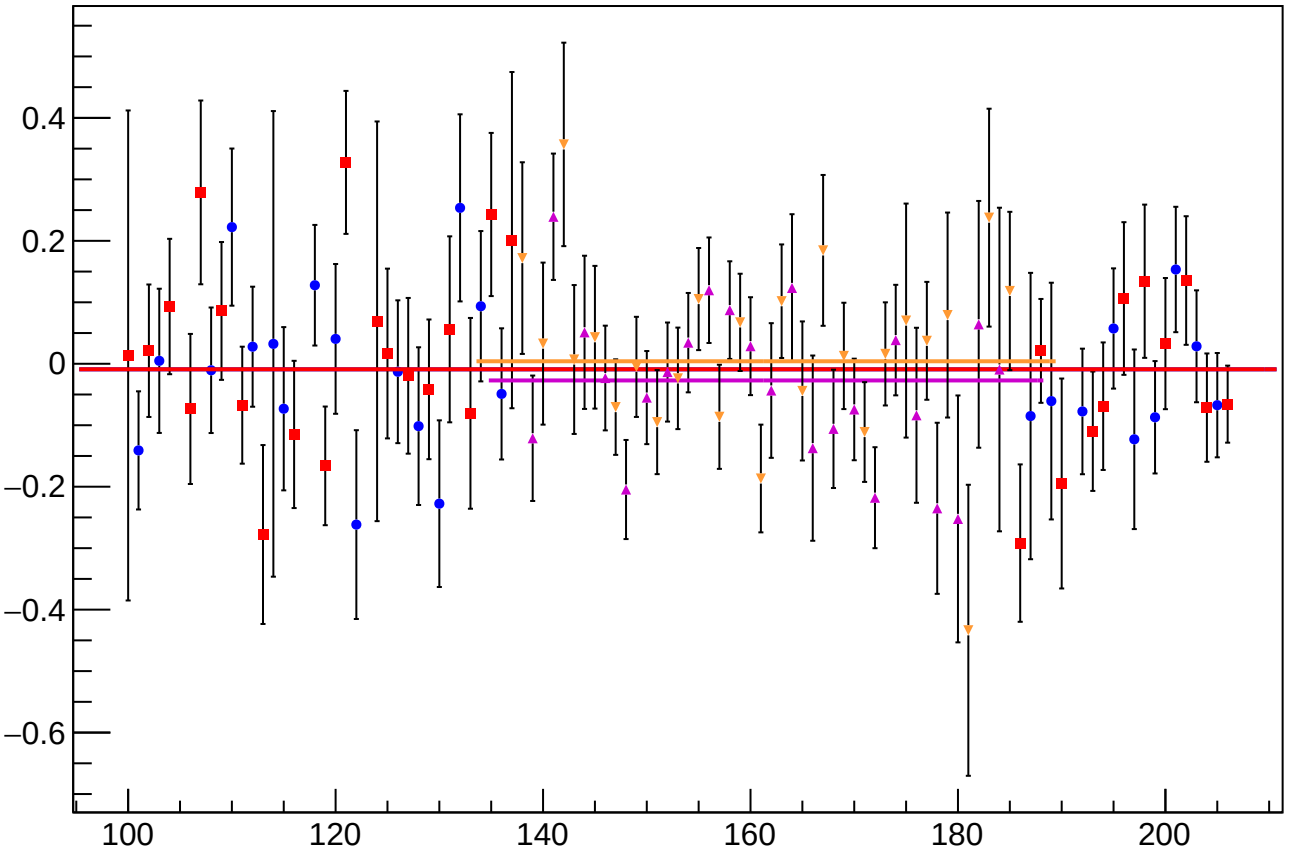
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 81.610+/-0.011 χ^2/NDF: 1794714.9/54

In: 82.679+/-0.011 χ^2/NDF:2406757.9/47

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 82.481+/-0.007 χ^2/NDF: 5553382.5/102



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

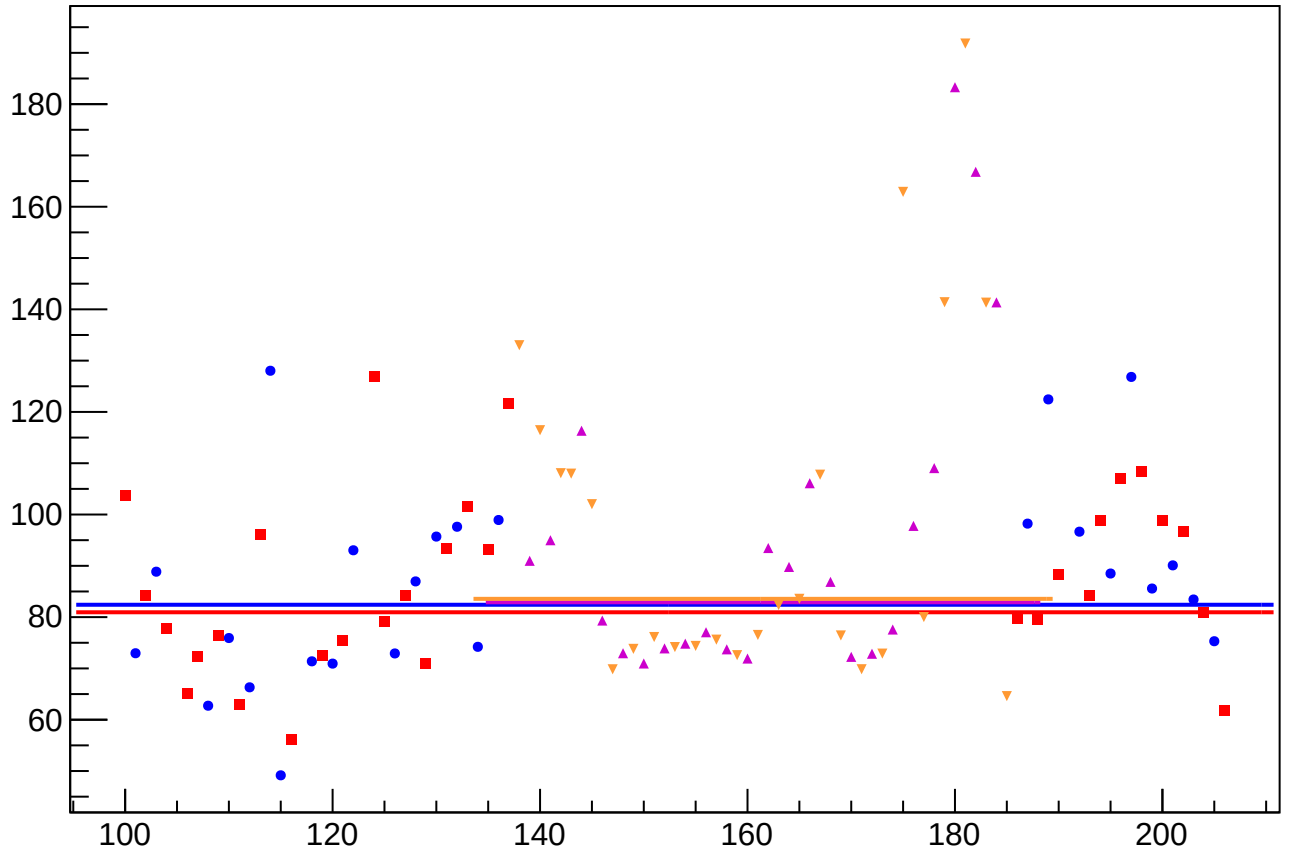
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.016 χ^2/NDF: 62.1/54

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.010+/-0.011 χ^2/NDF: 123.4/102



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

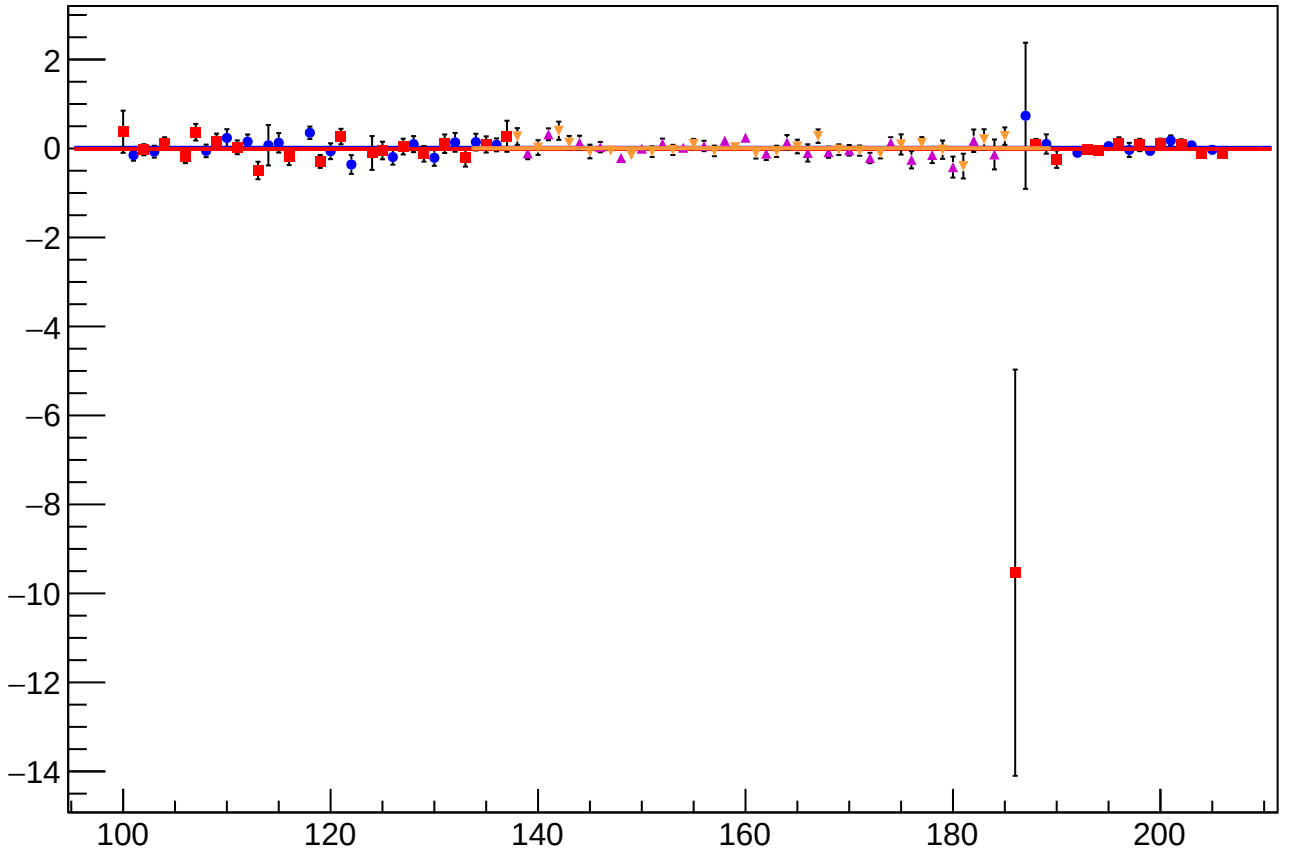
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 81.610+/-0.011 χ^2/NDF: 1794714.9/54

In: 82.679+/-0.011 χ^2/NDF:2406757.9/47

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 82.481+/-0.007 χ^2/NDF: 5553382.5/102



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.027 χ^2/NDF: 35.6/29

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

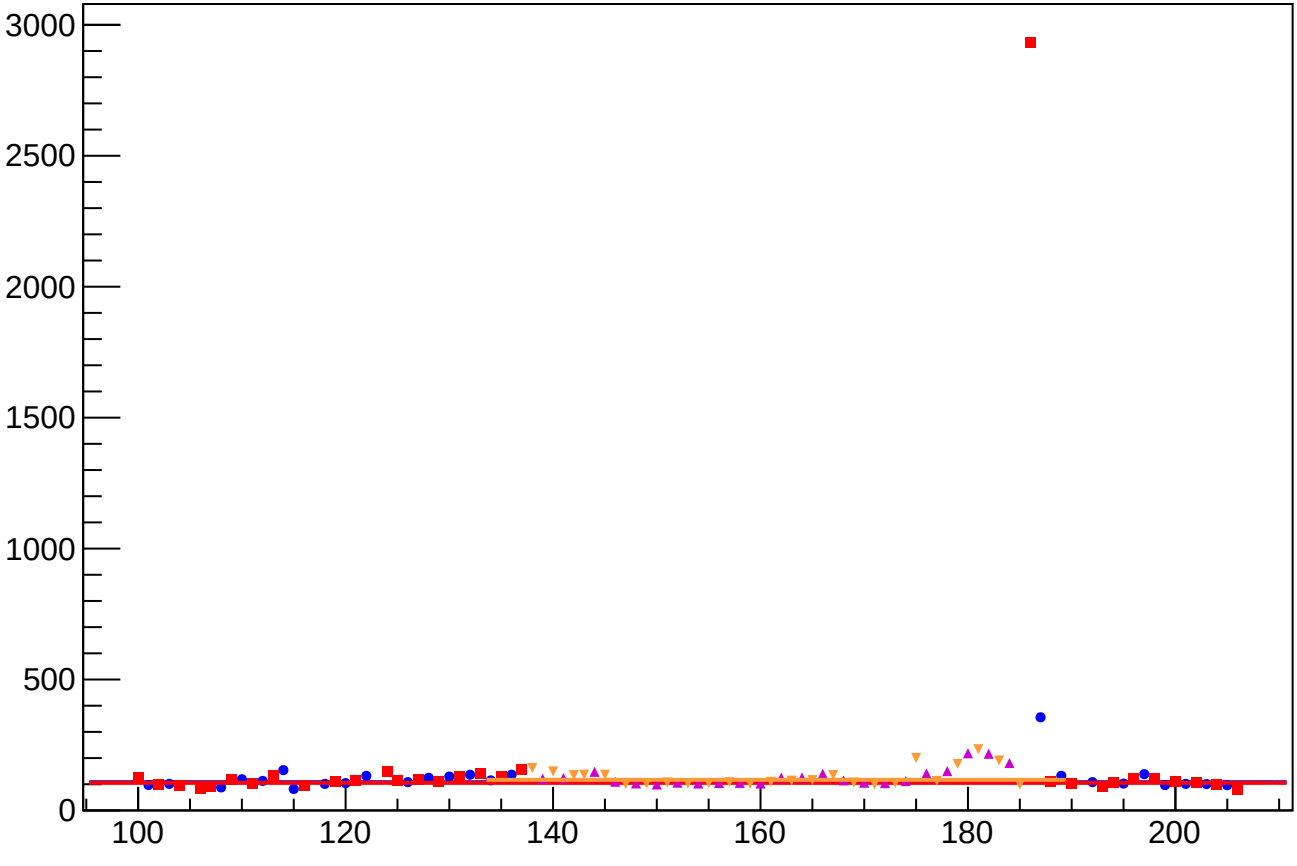
Right: 0.001+/-0.020 χ^2/NDF: 58.7/54

In: 0.013+/-0.020 χ^2/NDF:54.0/47

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.004+/-0.014 χ^2/NDF: 111.4/102

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 107.779+/-0.021 χ^2/NDF: 519832.1/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397375.7/29

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

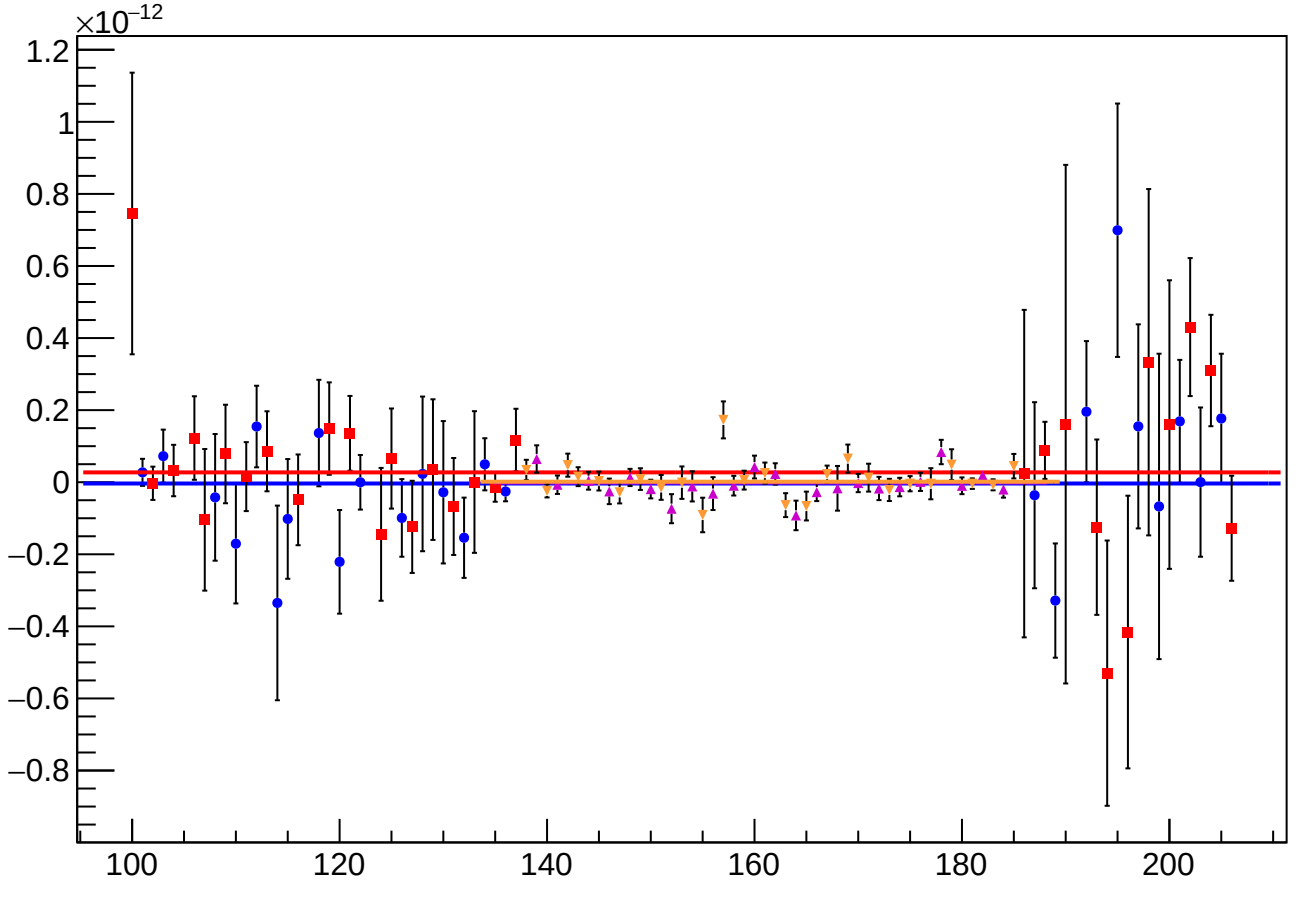
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 106.541+/-0.014 χ^2/NDF: 1923533.5/54

In: 112.055+/-0.014 χ^2/NDF:1828663.8/47

Out: 111.110+/-0.014 χ^2/NDF:3164698.8/54

All: 111.559+/-0.010 χ^2/NDF: 4995598.9/102



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/29

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

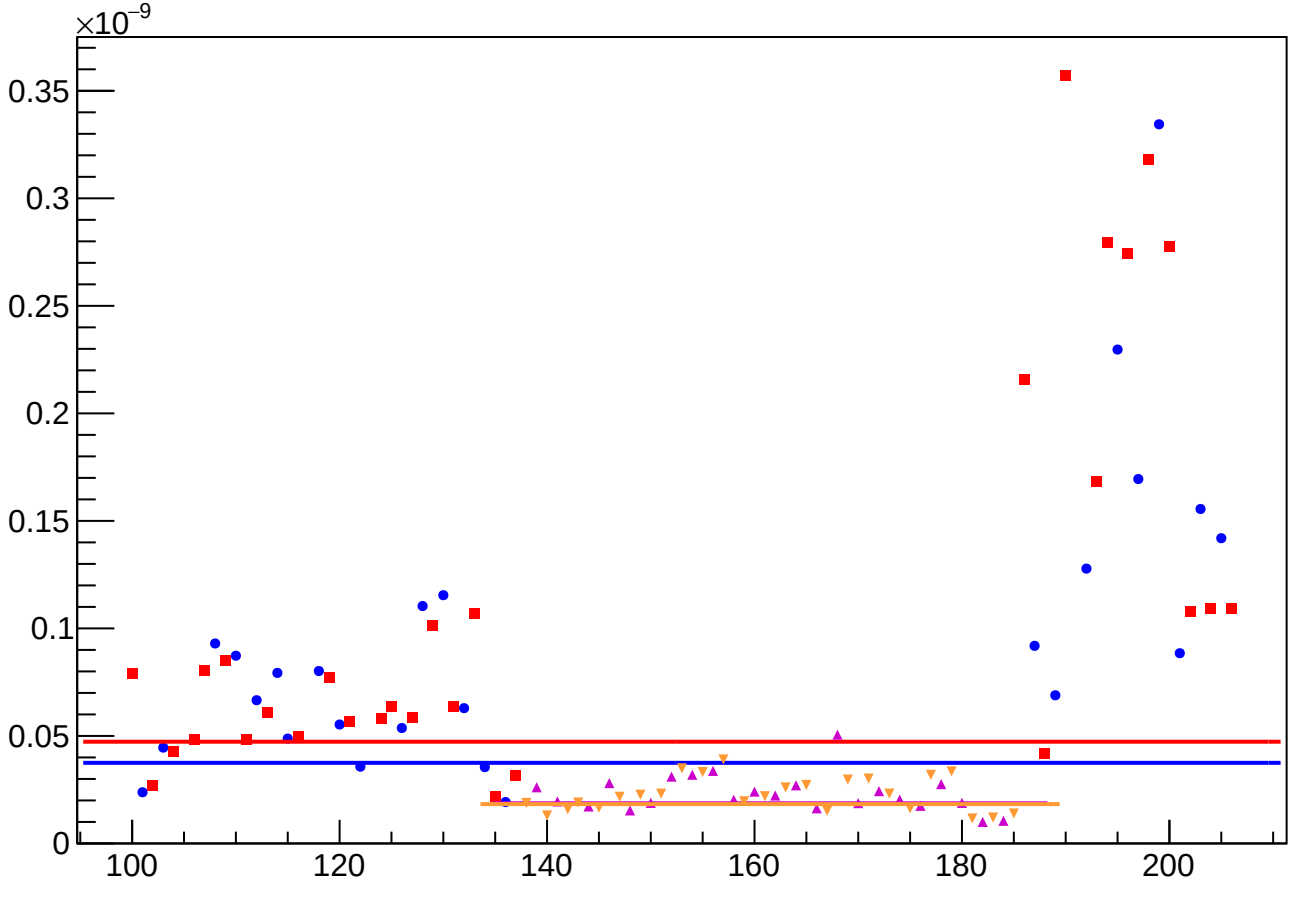
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 53.5/54

In: -0.000+/-0.000 χ^2/NDF:52.0/47

Out: 0.000+/-0.000 χ^2/NDF:65.1/54

All: 0.000+/-0.000 χ^2/NDF: 117.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 6757114.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6935831.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

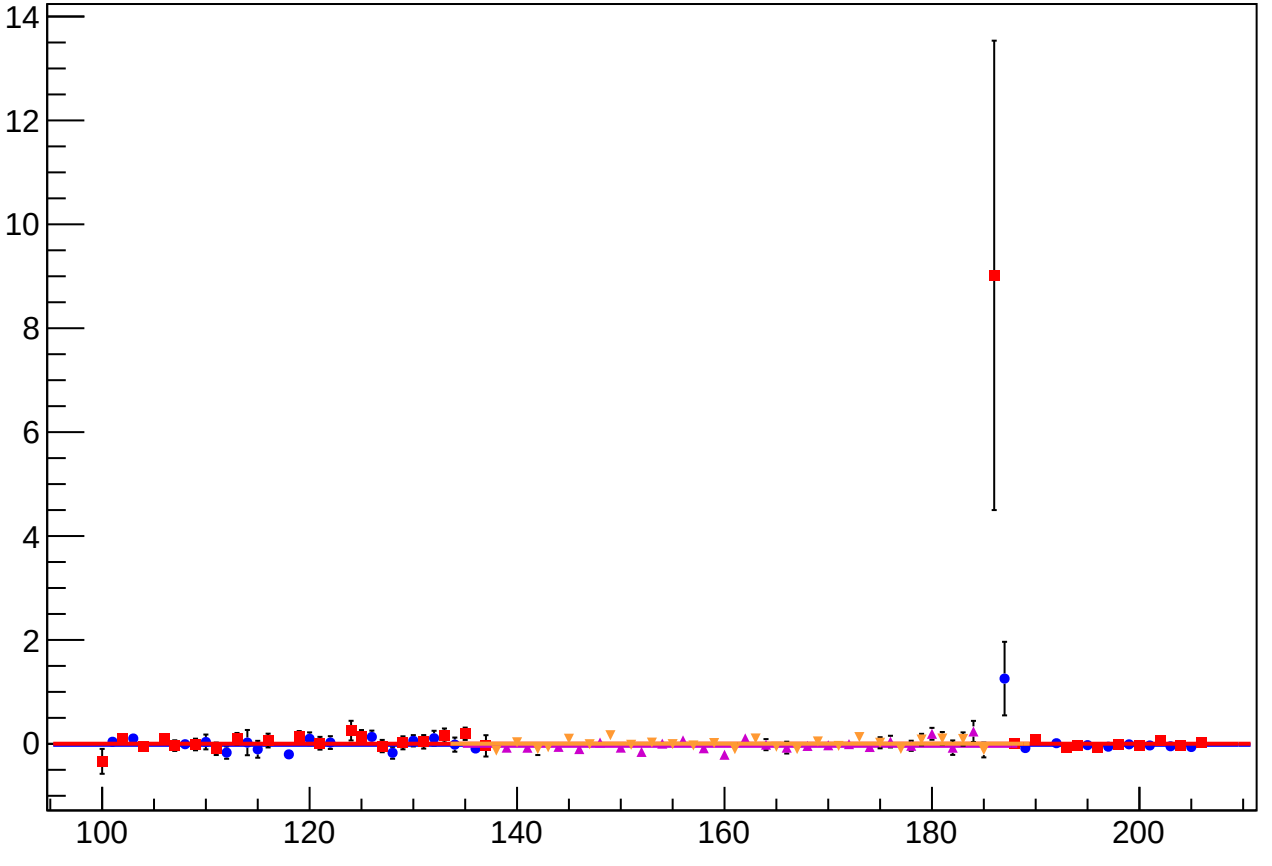
Right: 0.000+/-0.000 χ^2/NDF: 13971779.2/54

In: 0.000+/-0.000 χ^2/NDF:11784281.0/47

Out: 0.000+/-0.000 χ^2/NDF:13984859.3/54

All: 0.000+/-0.000 χ^2/NDF: 25769989.1/102

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.012 χ^2/NDF: 36.4/29

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

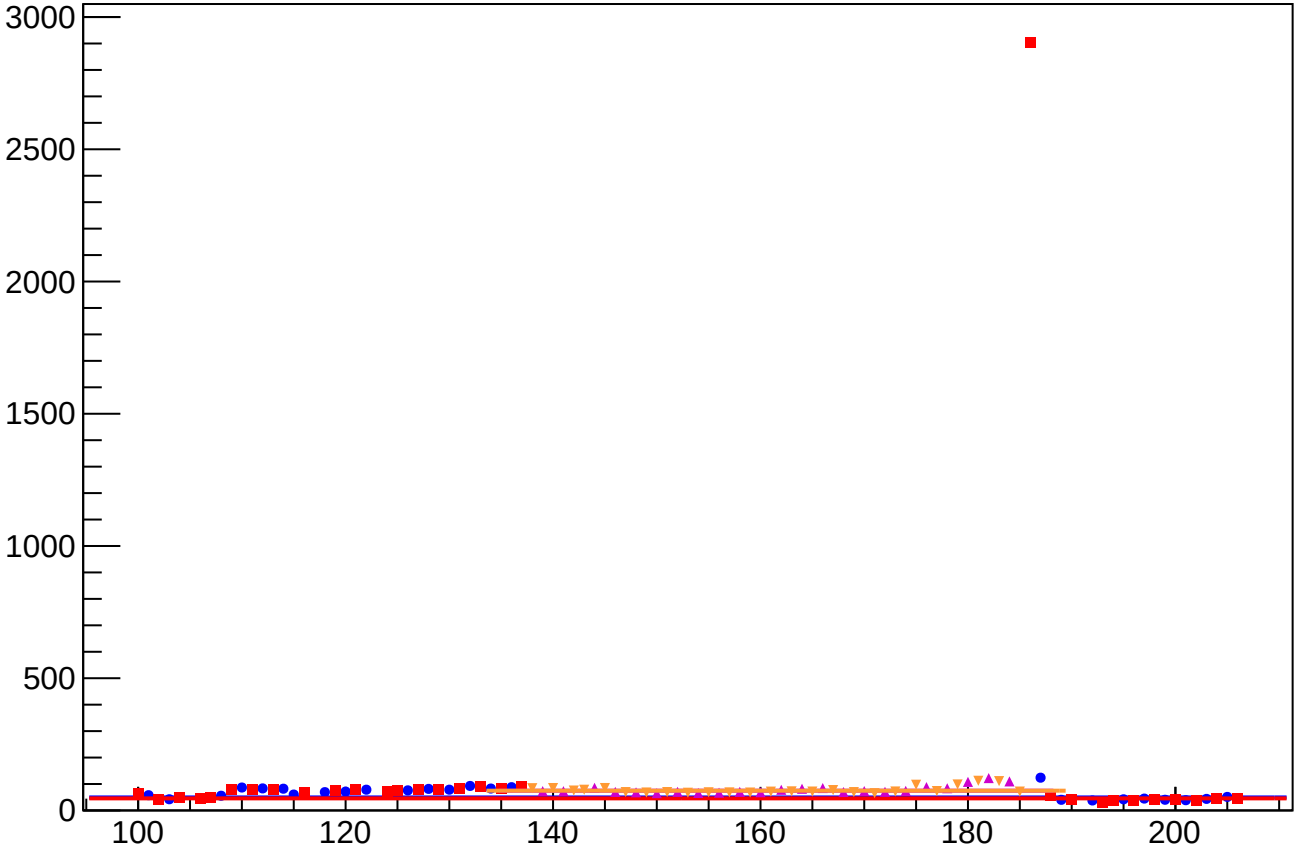
Right: -0.007+/-0.009 χ^2/NDF: 61.5/54

In: -0.026+/-0.011 χ^2/NDF:46.1/47

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.011+/-0.007 χ^2/NDF: 107.8/102

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

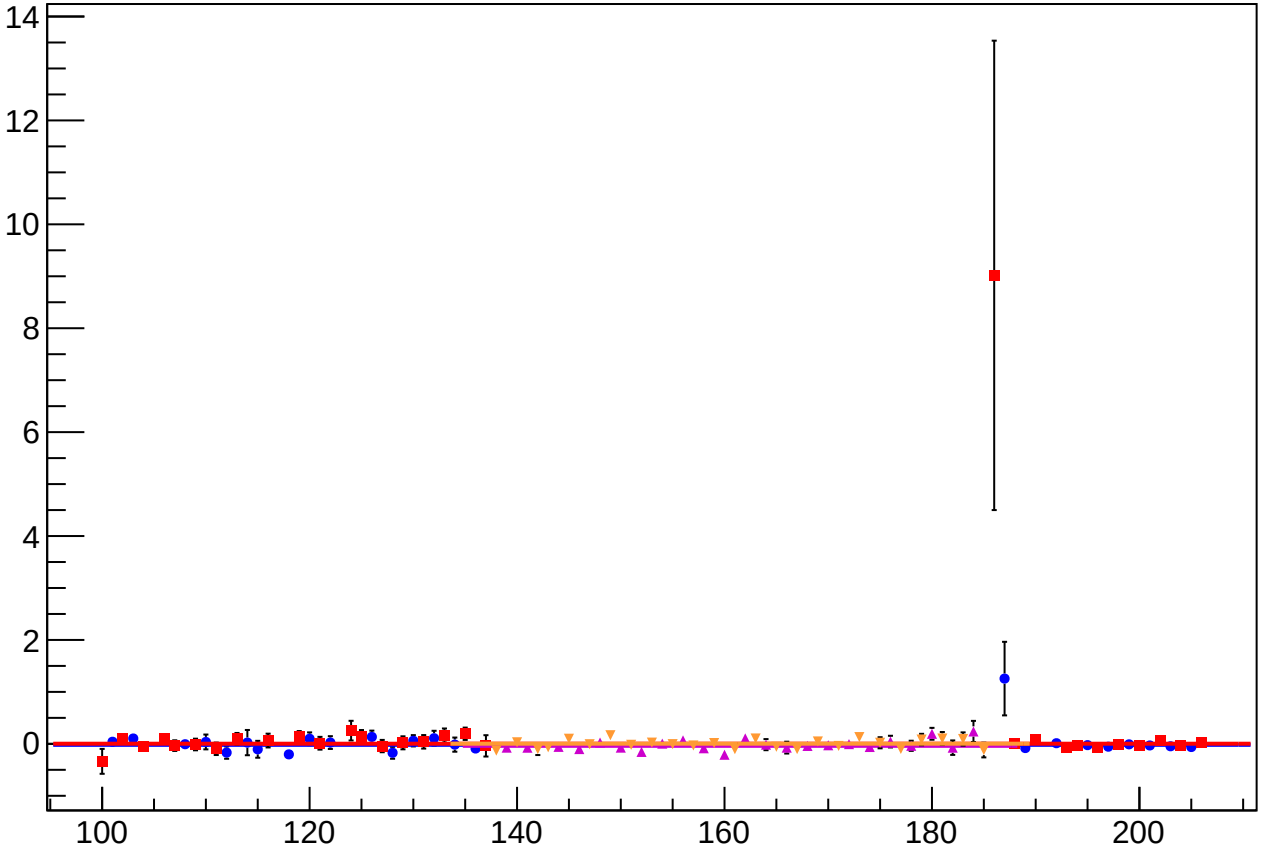
Right: 47.246+/-0.007 χ^2/NDF: 5924381.0/54

In: 59.011+/-0.008 χ^2/NDF:5426733.0/47

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 57.122+/-0.005 χ^2/NDF: 13568048.8/102

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.012 χ^2/NDF: 36.4/29

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

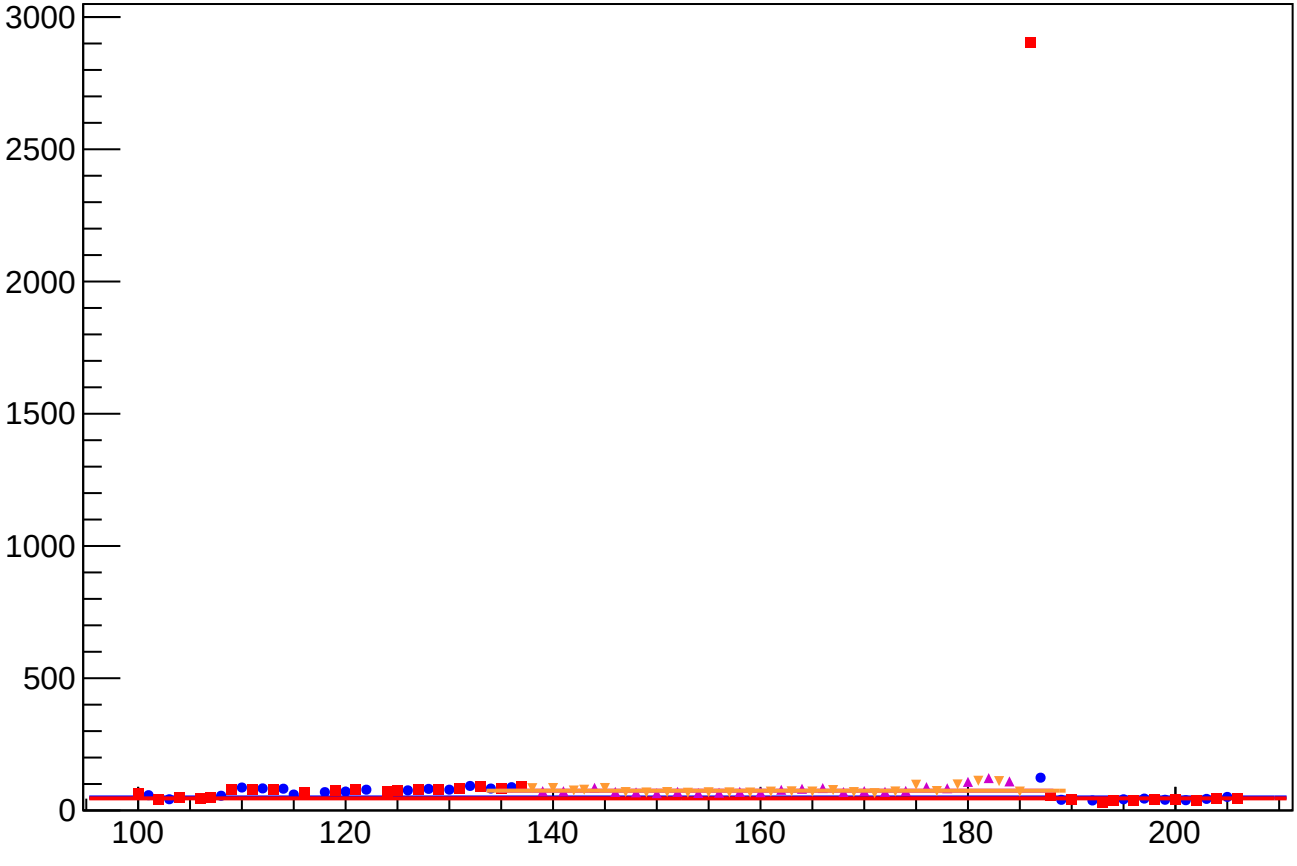
Right: -0.007+/-0.009 χ^2/NDF: 61.5/54

In: -0.026+/-0.011 χ^2/NDF:46.1/47

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.011+/-0.007 χ^2/NDF: 107.8/102

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

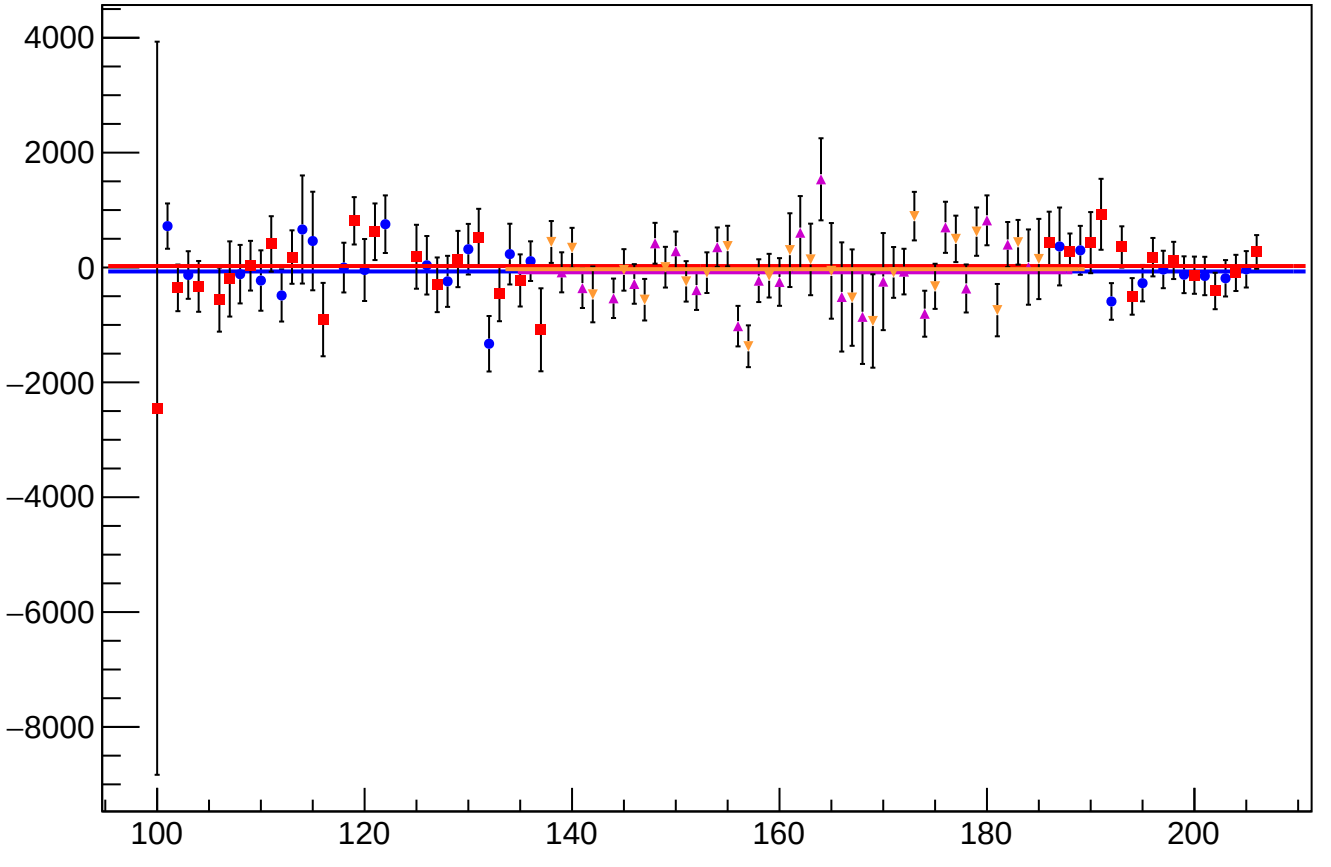
Right: 47.246+/-0.007 χ^2/NDF: 5924381.0/54

In: 59.011+/-0.008 χ^2/NDF:5426733.0/47

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 57.122+/-0.005 χ^2/NDF: 13568048.8/102

asym_dsl_mean vs Slug, Sign Corrected



Right In: -69.065+/-82.883 χ^2/NDF: 21.5/24

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 25.367+/-77.271 χ^2/NDF: 27.0/29

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

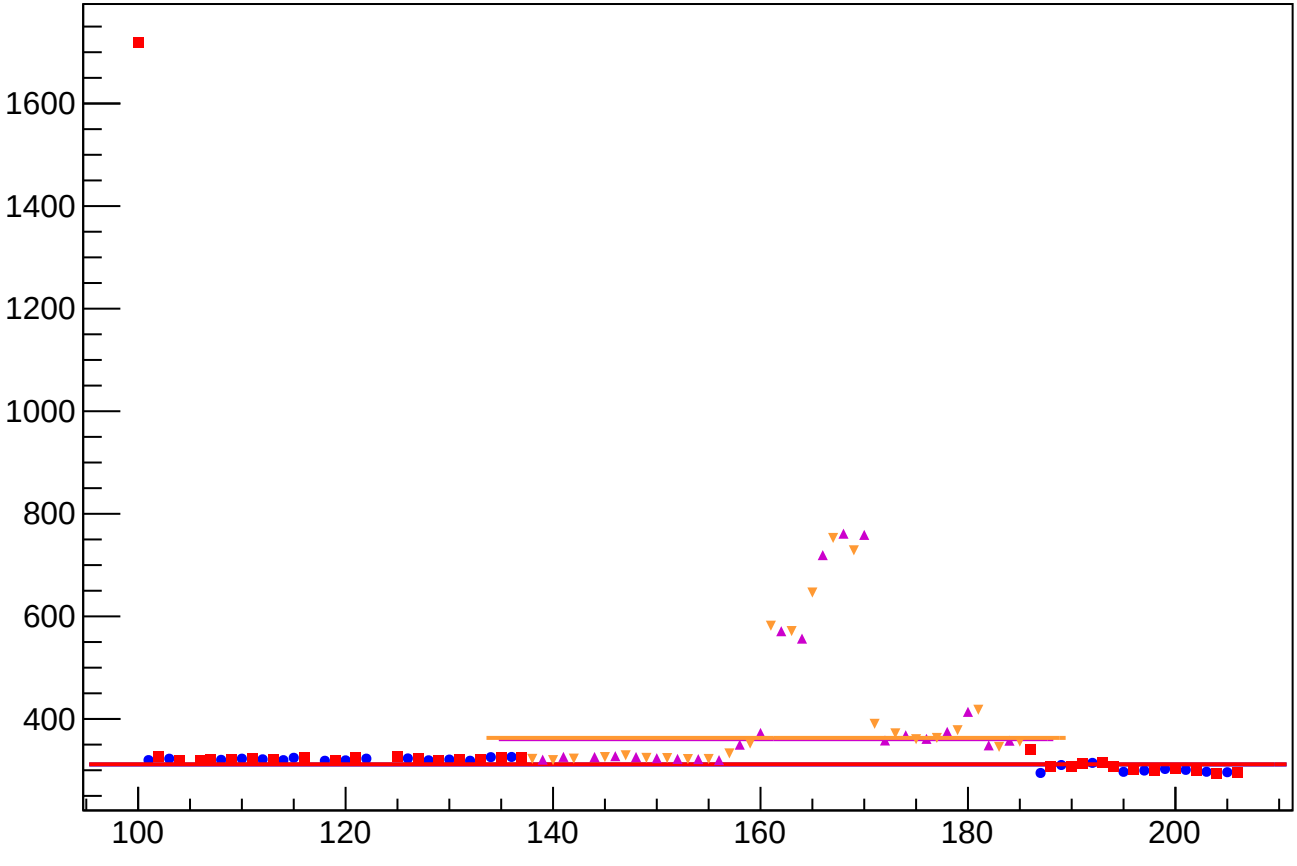
Right: -18.544+/-56.519 χ^2/NDF: 49.2/54

In: -76.081+/-59.837 χ^2/NDF:57.4/47

Out: 1.093+/-57.635 χ^2/NDF:63.8/53

All: -36.048+/-41.511 χ^2/NDF: 122.0/101

asym_dsl_rms vs Slug, Sign Corrected



Right In: 311.179+/-0.059 χ^2/NDF: 36015.4/24

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 311.647+/-0.055 χ^2/NDF: 142782.4/29

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

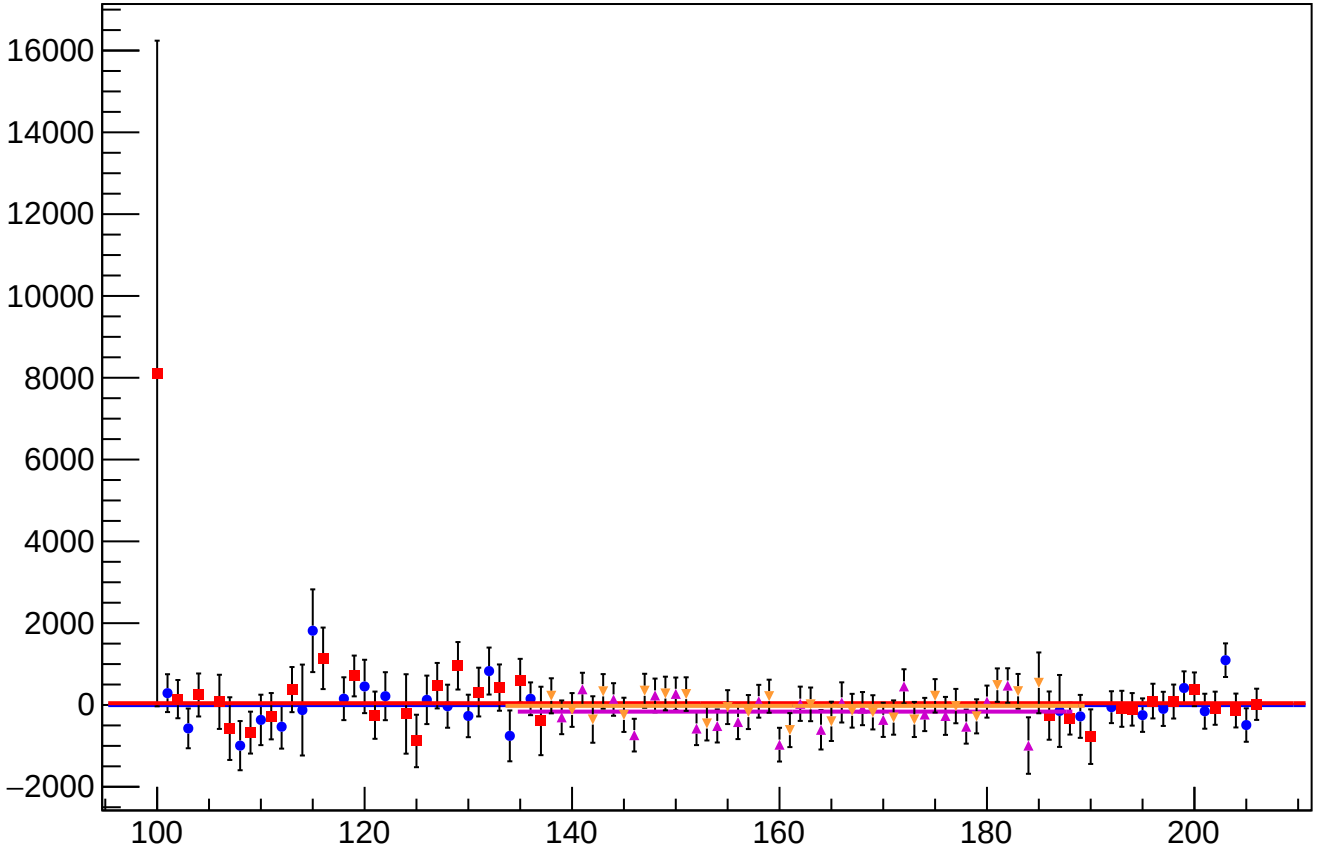
Right: 311.429+/-0.040 χ^2/NDF: 178831.9/54

In: 334.835+/-0.042 χ^2/NDF:2193968.8/47

Out: 334.465+/-0.041 χ^2/NDF:2331463.7/53

All: 334.643+/-0.029 χ^2/NDF: 4525472.0/101

asym_dsr_mean vs Slug, Sign Corrected



Right In: -3.377+/-101.484 χ^2/NDF: 24.2/24

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 43.348+/-94.905 χ^2/NDF: 19.8/29

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

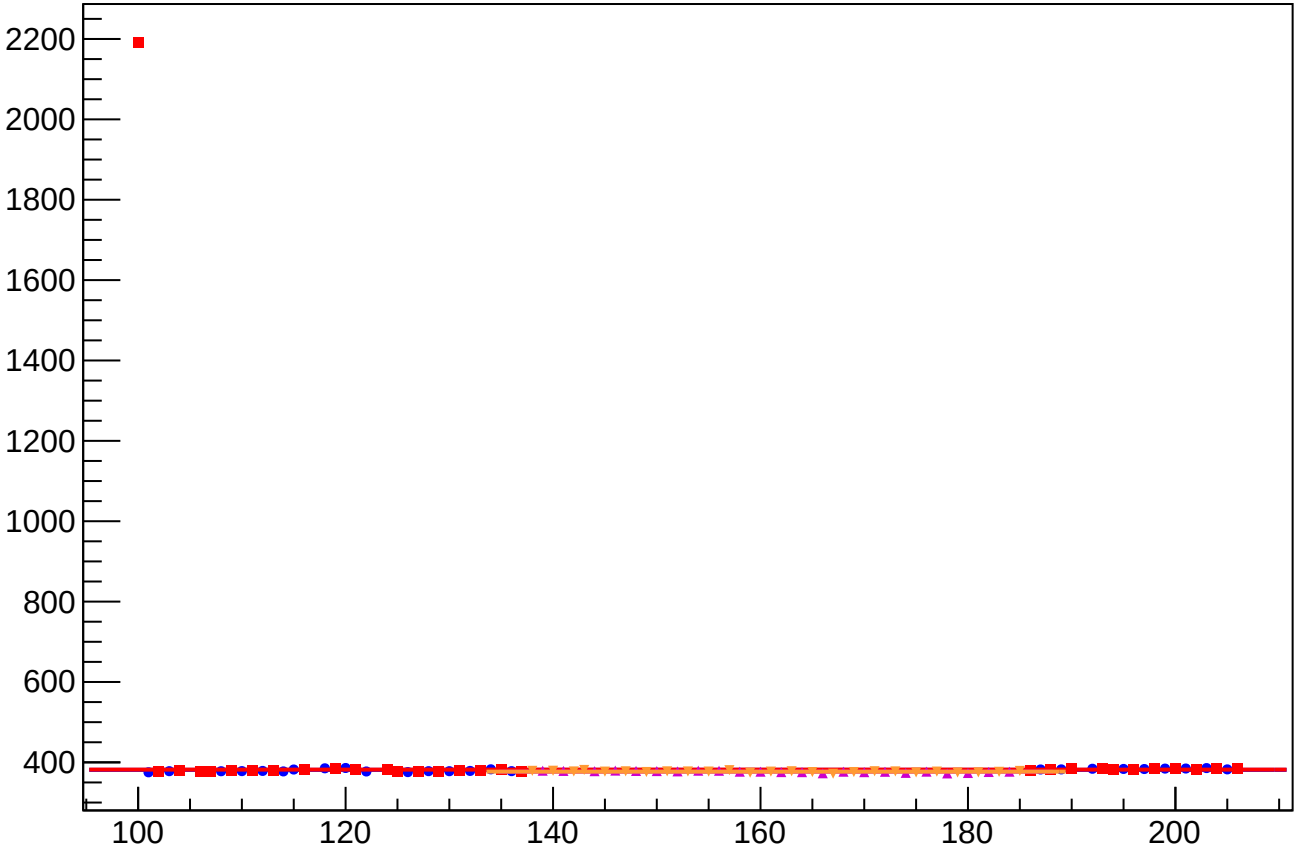
Right: 21.549+/-69.317 χ^2/NDF: 44.2/54

In: -94.493+/-66.482 χ^2/NDF:47.4/47

Out: 7.840+/-63.572 χ^2/NDF:32.7/54

All: -41.039+/-45.947 χ^2/NDF: 81.3/102

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.298+/-0.072 χ^2/NDF: 2148.5/24

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.919+/-0.067 χ^2/NDF: 100665.9/29

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

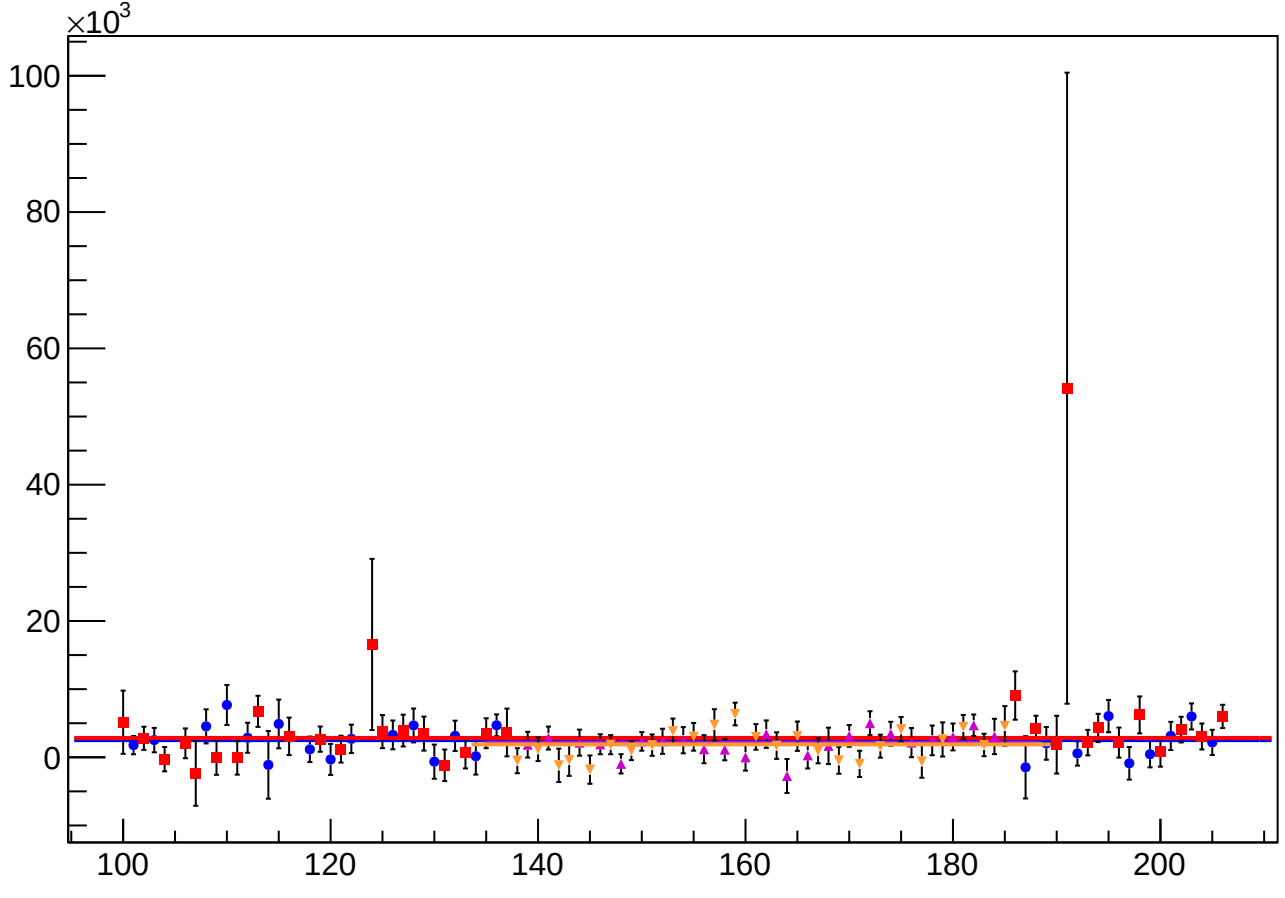
Right: 381.629+/-0.049 χ^2/NDF: 102854.3/54

In: 378.757+/-0.047 χ^2/NDF:5419.8/47

Out: 379.155+/-0.045 χ^2/NDF:104800.4/54

All: 378.965+/-0.032 χ^2/NDF: 110257.8/102

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2519.351+/-430.099 χ^2/NDF: 23.1/24

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2840.979+/-417.980 χ^2/NDF: 28.6/30

Left In: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

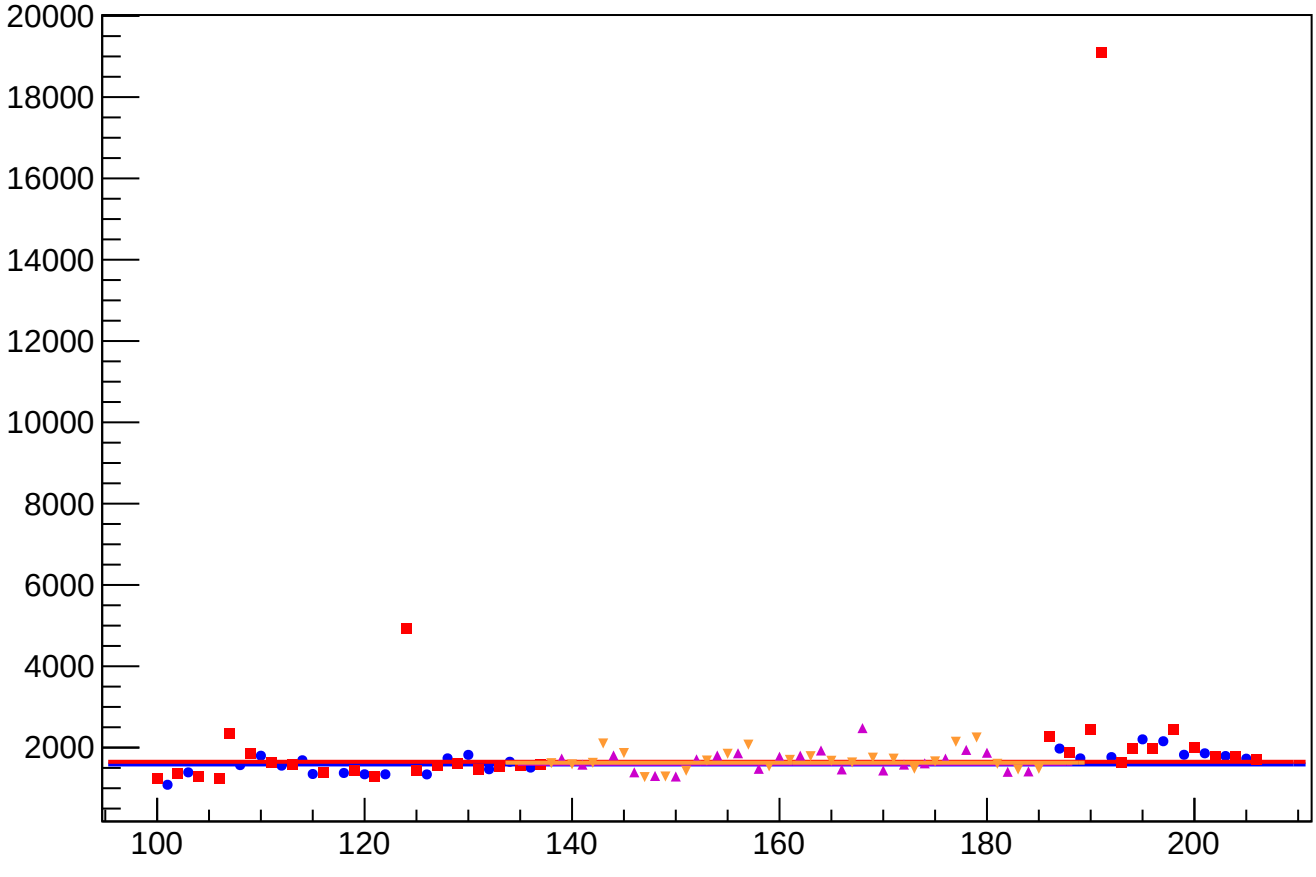
Right: 2684.760+/-299.749 χ^2/NDF: 51.9/55

In: 2286.372+/-284.374 χ^2/NDF:42.2/47

Out: 2315.125+/-279.247 χ^2/NDF:59.8/55

All: 2301.010+/-199.245 χ^2/NDF: 102.0/103

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1585.003+/-0.304 χ^2/NDF: 853542.2/24

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1650.871+/-0.296 χ^2/NDF: 1358899.2/30

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

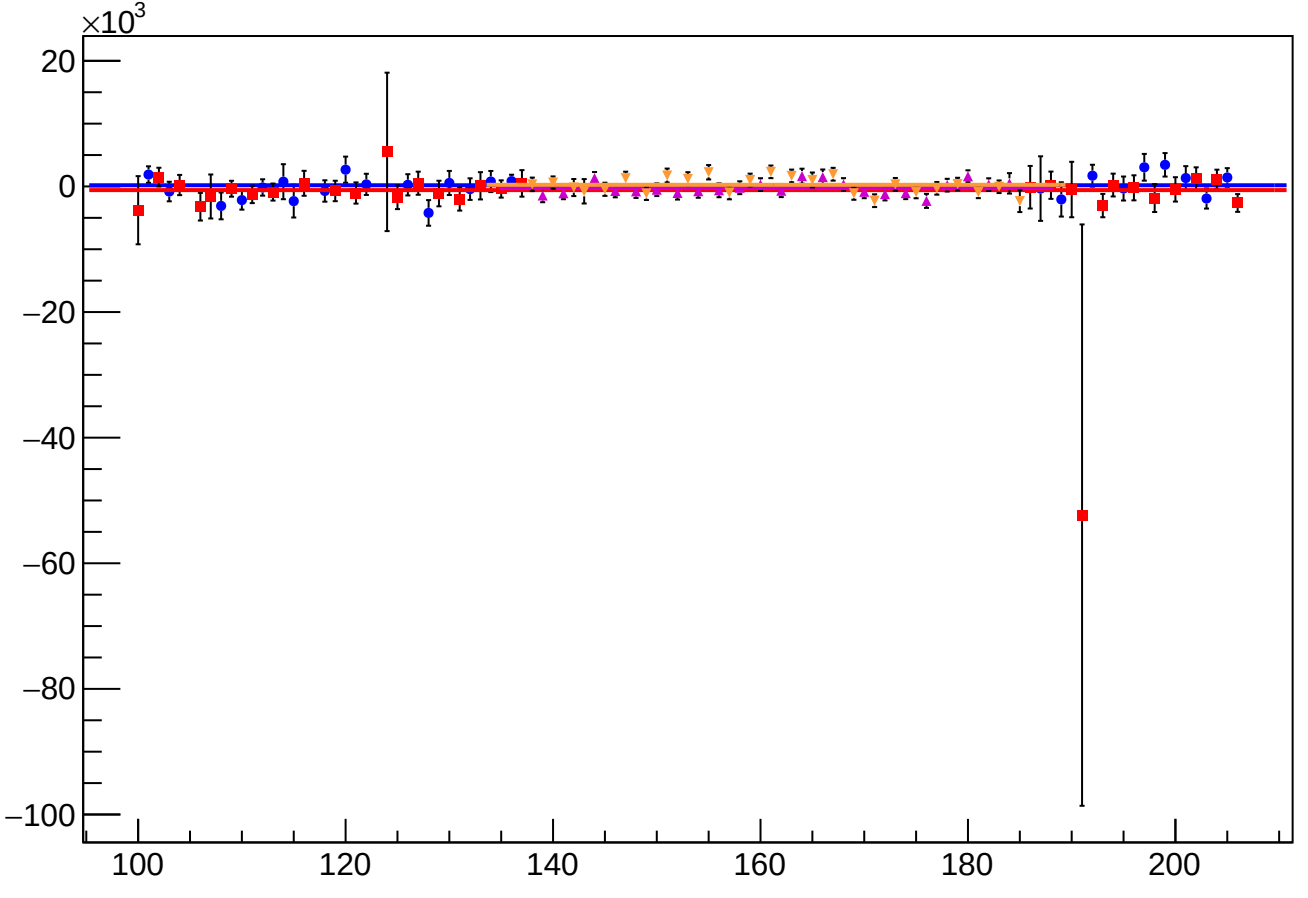
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1618.878+/-0.212 χ^2/NDF: 2236565.6/55

In: 1594.286+/-0.201 χ^2/NDF:1648920.2/47

Out: 1638.473+/-0.197 χ^2/NDF:2141172.0/55

All: 1616.782+/-0.141 χ^2/NDF: 3814675.9/10



Right In: 188.394+/-345.929 χ^2/NDF: 24.2/24

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -583.032+/-336.940 χ^2/NDF: 14.9/30

Left In: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

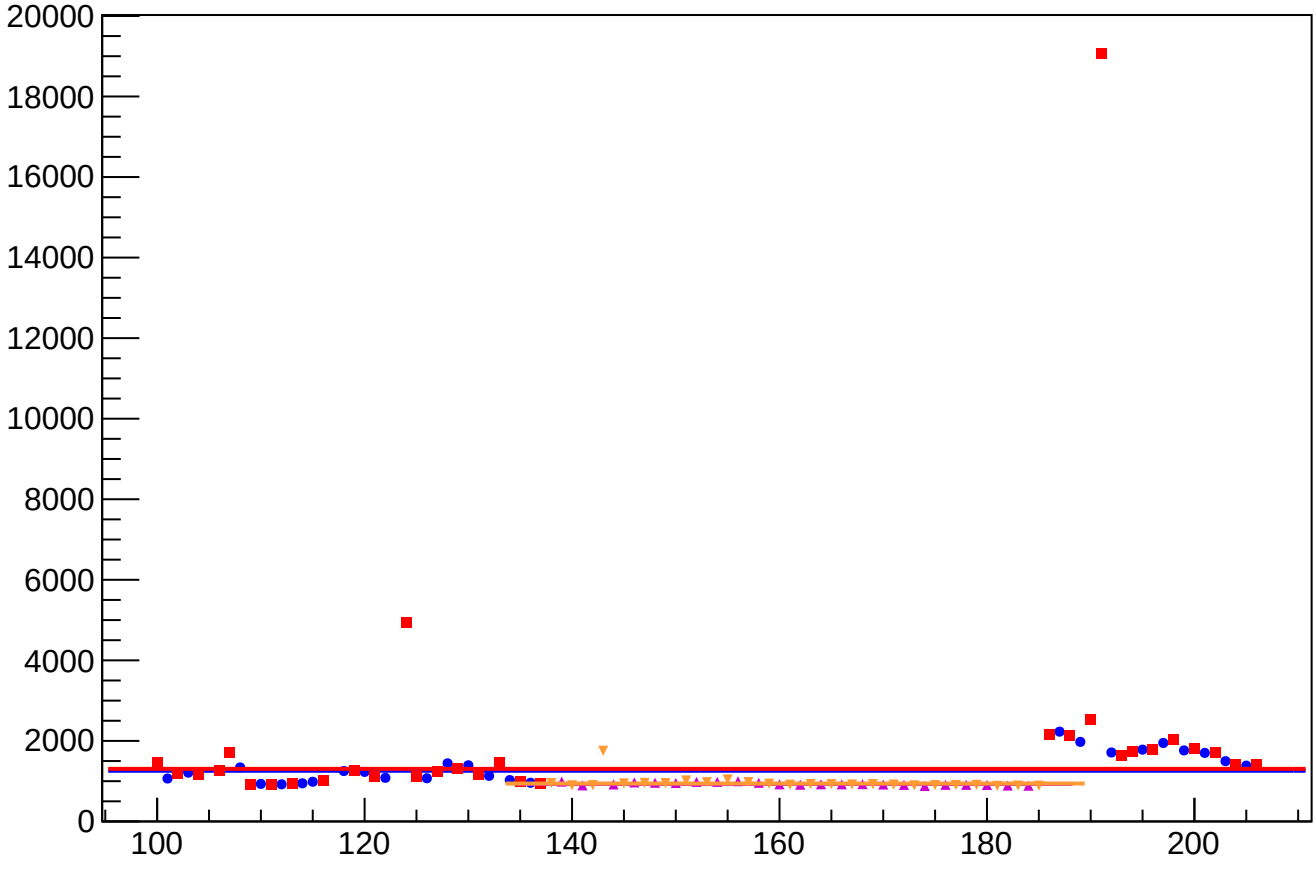
Right: -207.471+/-241.368 χ^2/NDF: 41.6/55

In: -137.864+/-184.241 χ^2/NDF:46.8/47

Out: 17.822+/-181.222 χ^2/NDF:53.3/55

All: -58.735+/-129.198 χ^2/NDF: 100.4/103

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1258.737+/-0.245 χ^2/NDF: 1632775.8/24

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1306.054+/-0.238 χ^2/NDF: 2632952.9/30

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

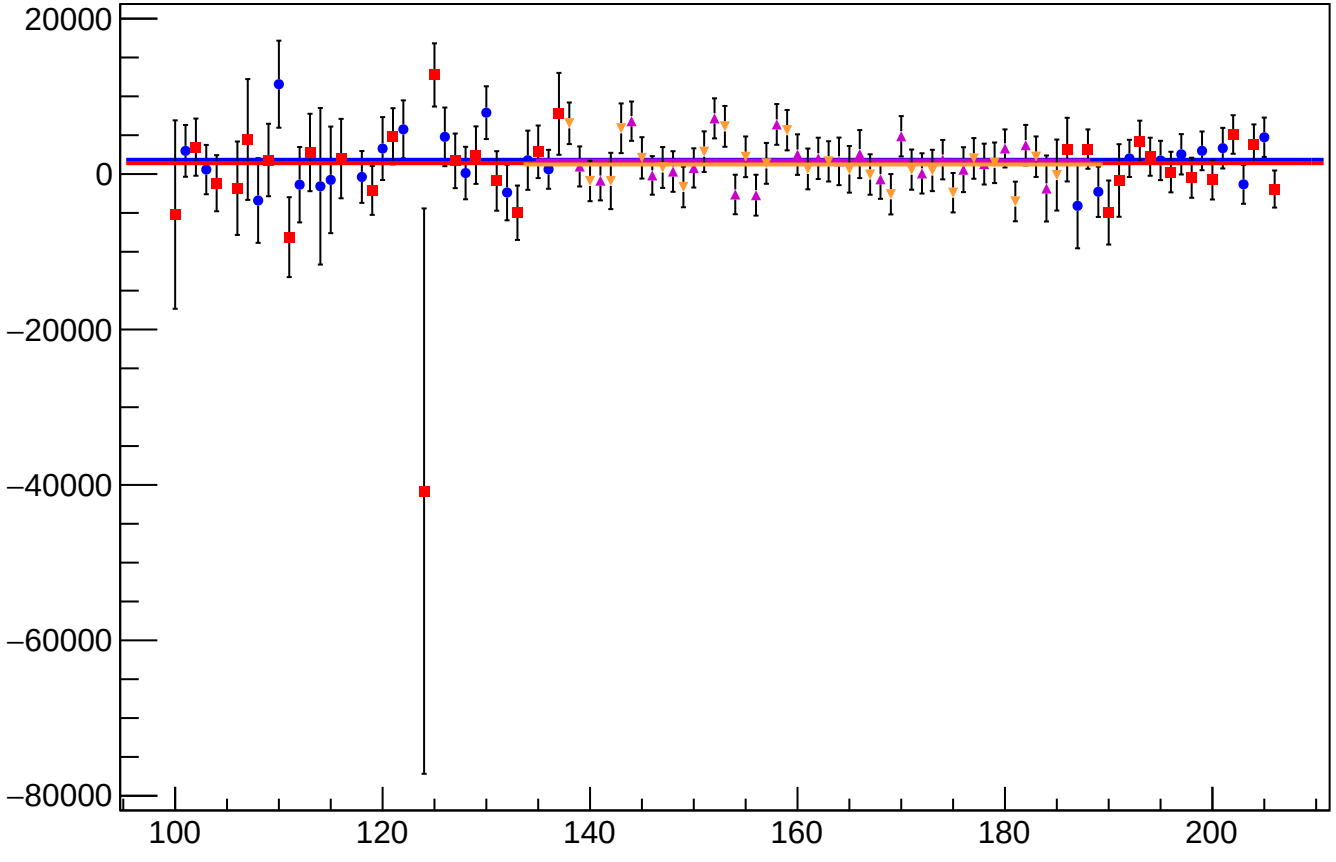
Right: 1283.018+/-0.171 χ^2/NDF: 4284930.3/55

In: 1024.369+/-0.130 χ^2/NDF:2963242.9/47

Out: 1046.612+/-0.128 χ^2/NDF:4719086.0/55

All: 1035.675+/-0.091 χ^2/NDF: 7697144.4/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1835.102+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1401.871+/-619.418 χ^2/NDF: 32.9/30

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

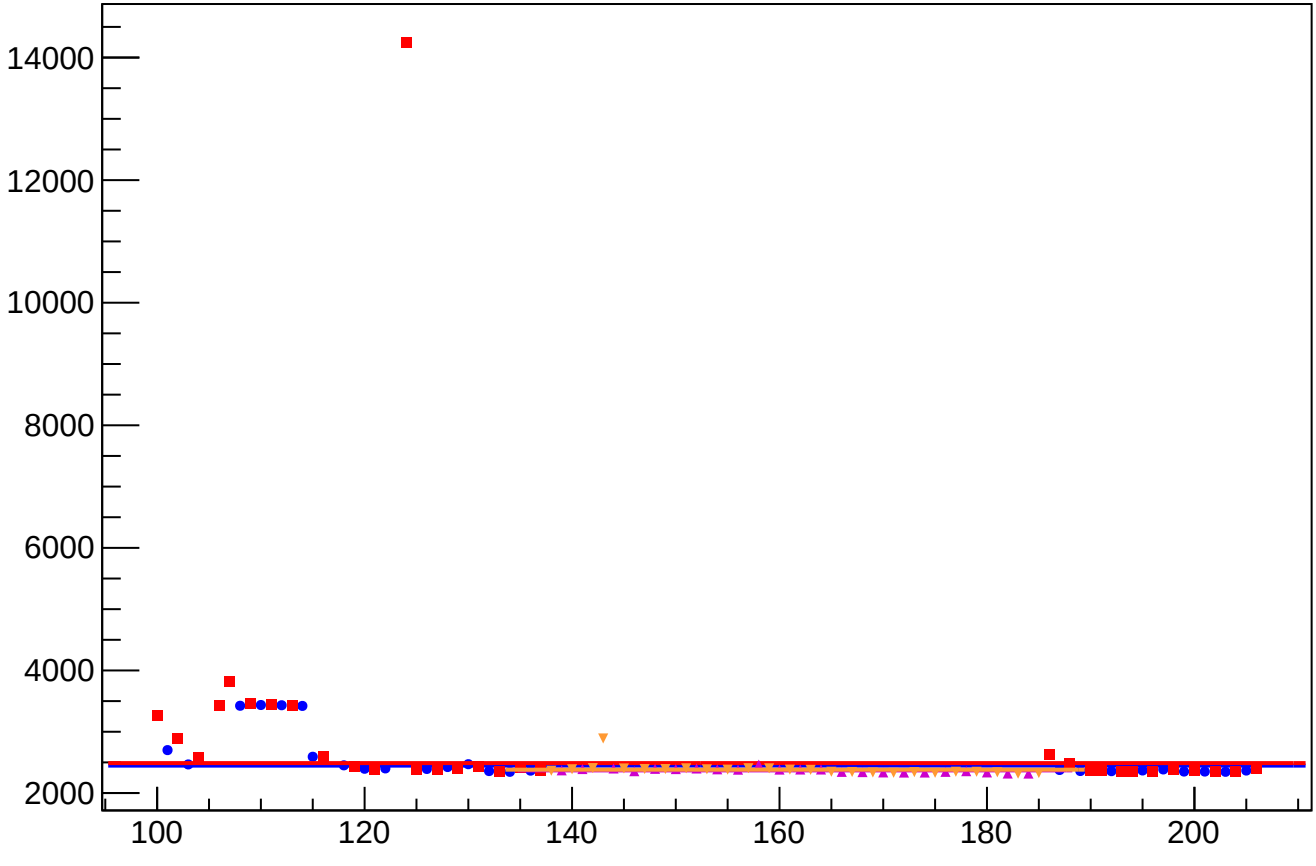
Right: 1606.554+/-449.896 χ^2/NDF: 51.7/55

In: 1780.641+/-422.531 χ^2/NDF:43.0/47

Out: 1307.100+/-407.590 χ^2/NDF:56.8/55

All: 1535.350+/-293.350 χ^2/NDF: 100.4/103

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.504+/-0.438 χ^2/NDF: 633512.6/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

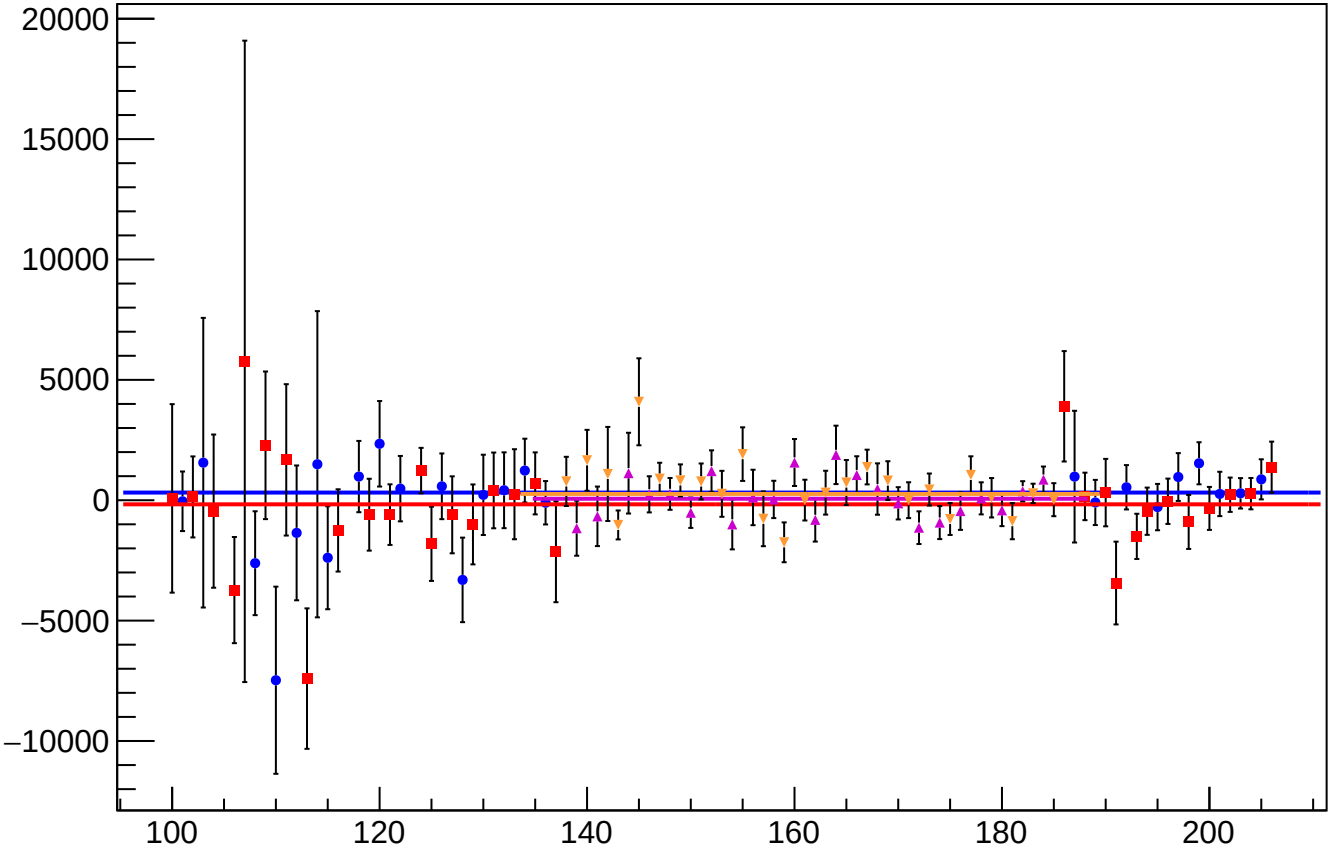
Right: 2469.135+/-0.318 χ^2/NDF: 902839.6/55

In: 2401.940+/-0.299 χ^2/NDF:288839.7/47

Out: 2427.682+/-0.288 χ^2/NDF:725145.3/55

All: 2415.274+/-0.207 χ^2/NDF: 1017830.2/10

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



Right In: 318.666+/-242.128 χ^2/NDF: 18.0/24

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -169.929+/-229.853 χ^2/NDF: 28.3/30

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

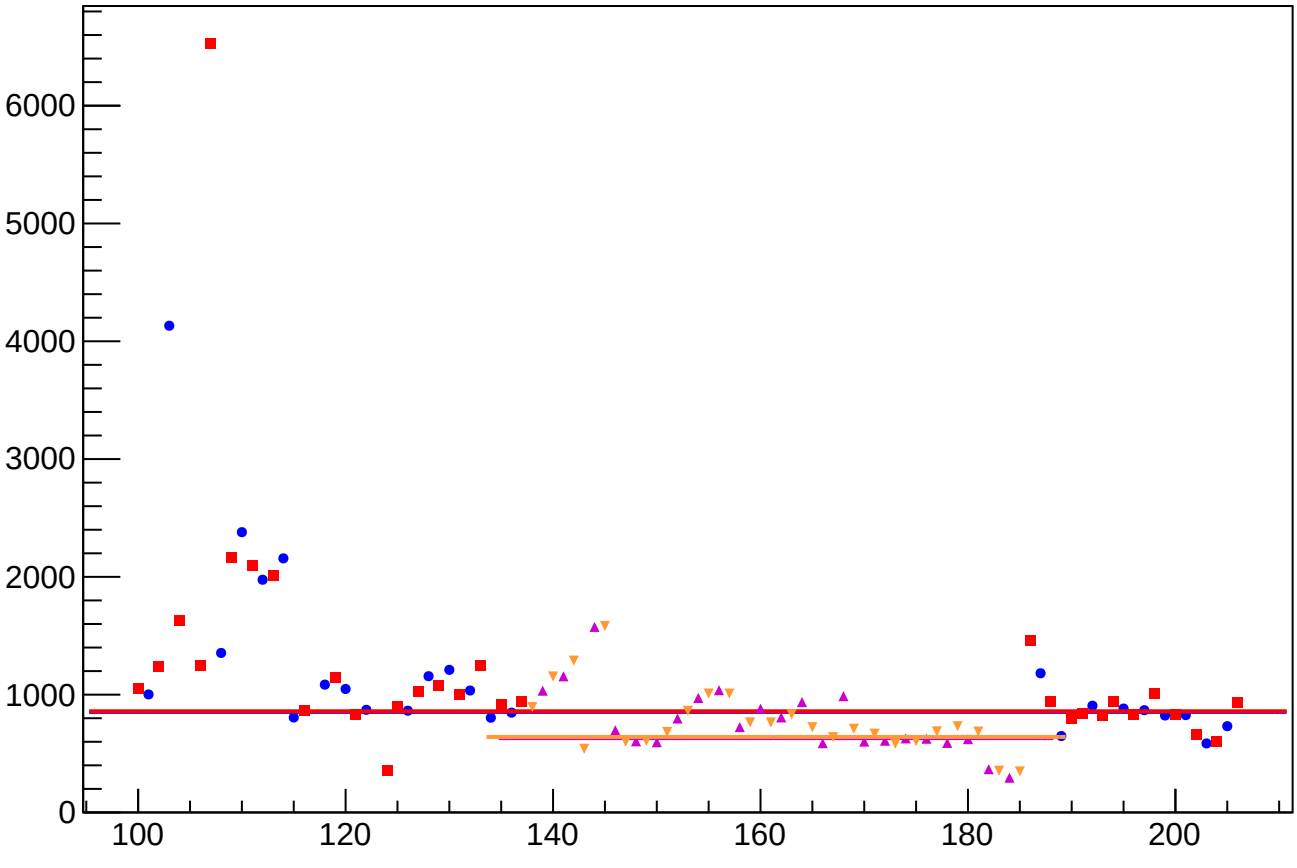
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: 61.671+/-166.701 χ^2/NDF: 48.4/55

In: 138.212+/-131.963 χ^2/NDF:40.8/47

Out: 128.085+/-127.944 χ^2/NDF:61.8/55

All: 132.992+/-91.858 χ^2/NDF: 102.6/103



Right In: 854.113+/-0.171 χ^2/NDF: 2237823.5/24

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 858.442+/-0.163 χ^2/NDF: 3133378.6/30

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

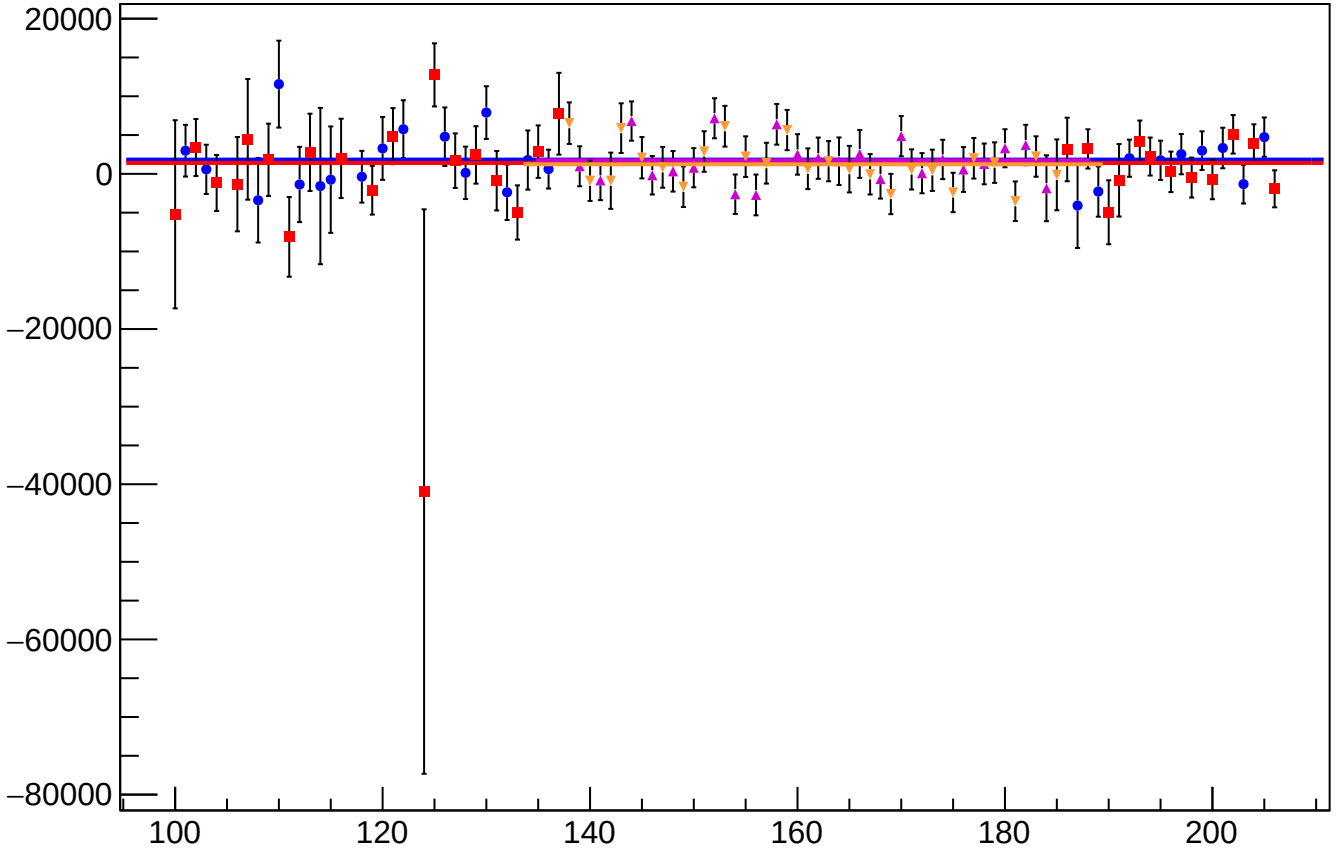
Right: 856.390+/-0.118 χ^2/NDF: 5371538.4/55

In: 697.413+/-0.093 χ^2/NDF:7404909.1/47

Out: 708.481+/-0.090 χ^2/NDF:7841742.8/55

All: 703.118+/-0.065 χ^2/NDF: 15253903.3/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1405.712+/-619.492 χ^2/NDF: 32.8/30

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

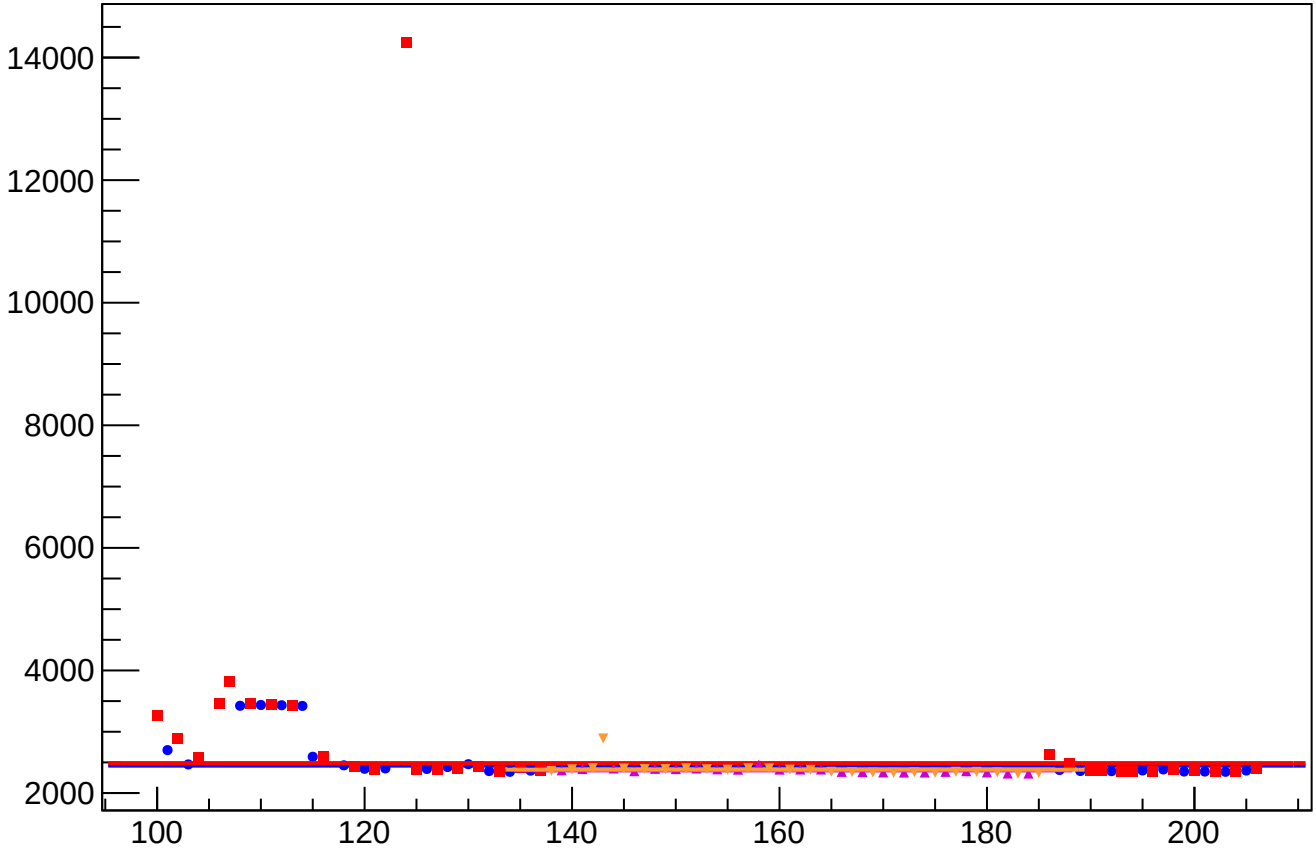
Right: 1608.740+/-449.925 χ^2/NDF: 51.6/55

In: 1780.790+/-422.531 χ^2/NDF:43.0/47

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1536.284+/-293.358 χ^2/NDF: 100.3/103

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

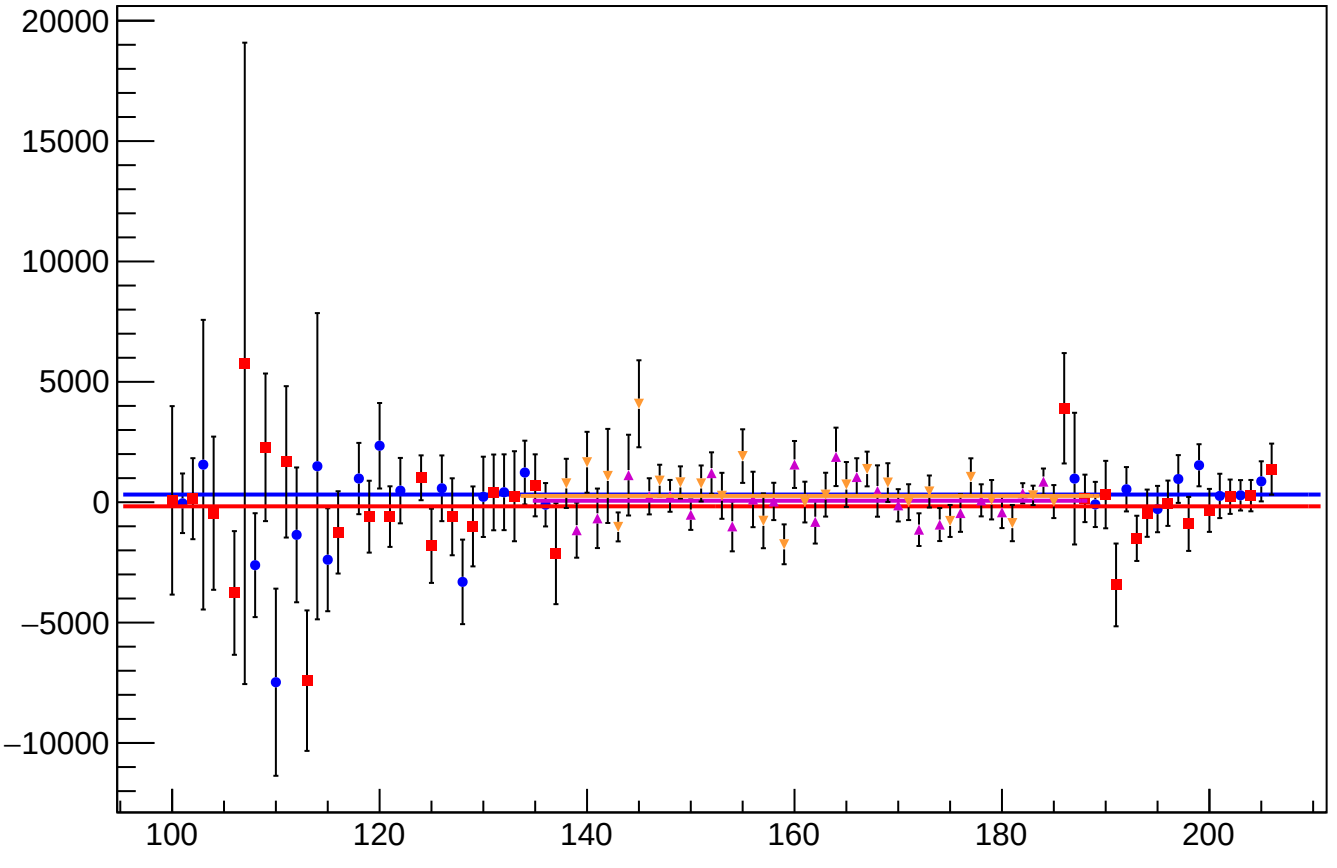
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2469.228+/-0.318 χ^2/NDF: 905787.1/55

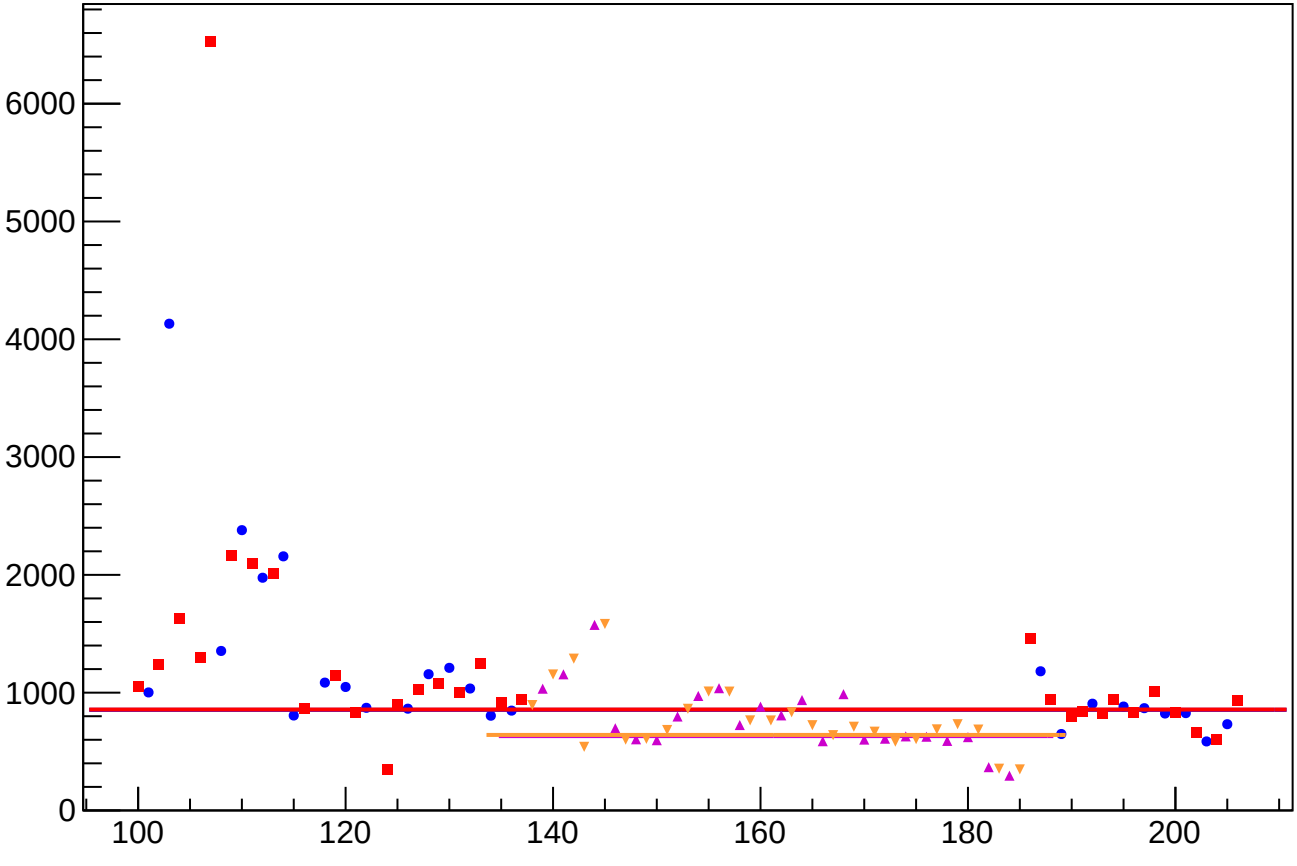
In: 2401.940+/-0.299 χ^2/NDF:288839.8/47

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2415.311+/-0.207 χ^2/NDF: 1020873.5/10


asym_atl1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 318.561+/-242.127 χ²/NDF: 18.0/24
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -170.801+/-230.001 χ²/NDF: 27.0/30
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: 61.319+/-166.757 χ²/NDF: 47.2/55
In: 138.192+/-131.963 χ²/NDF:40.8/47
Out: 128.126+/-127.971 χ²/NDF:60.6/55
All: 133.005+/-91.868 χ²/NDF: 101.4/103

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

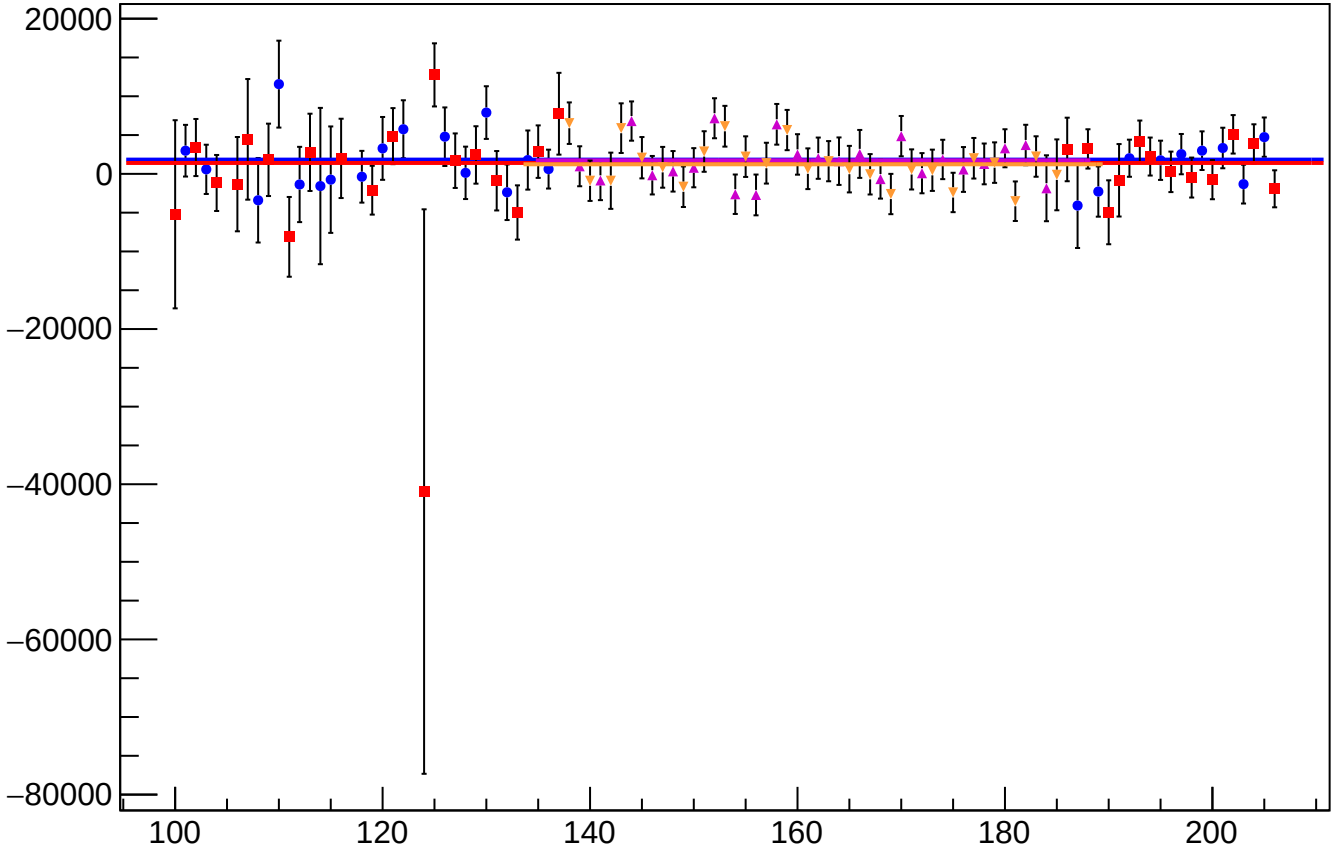
Right: 855.440+/-0.118 χ^2/NDF: 5392731.8/55

In: 697.411+/-0.093 χ^2/NDF:7405072.3/47

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 702.803+/-0.065 χ^2/NDF: 15252784.7/10

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1405.712+/-619.492 χ^2/NDF: 32.8/30

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

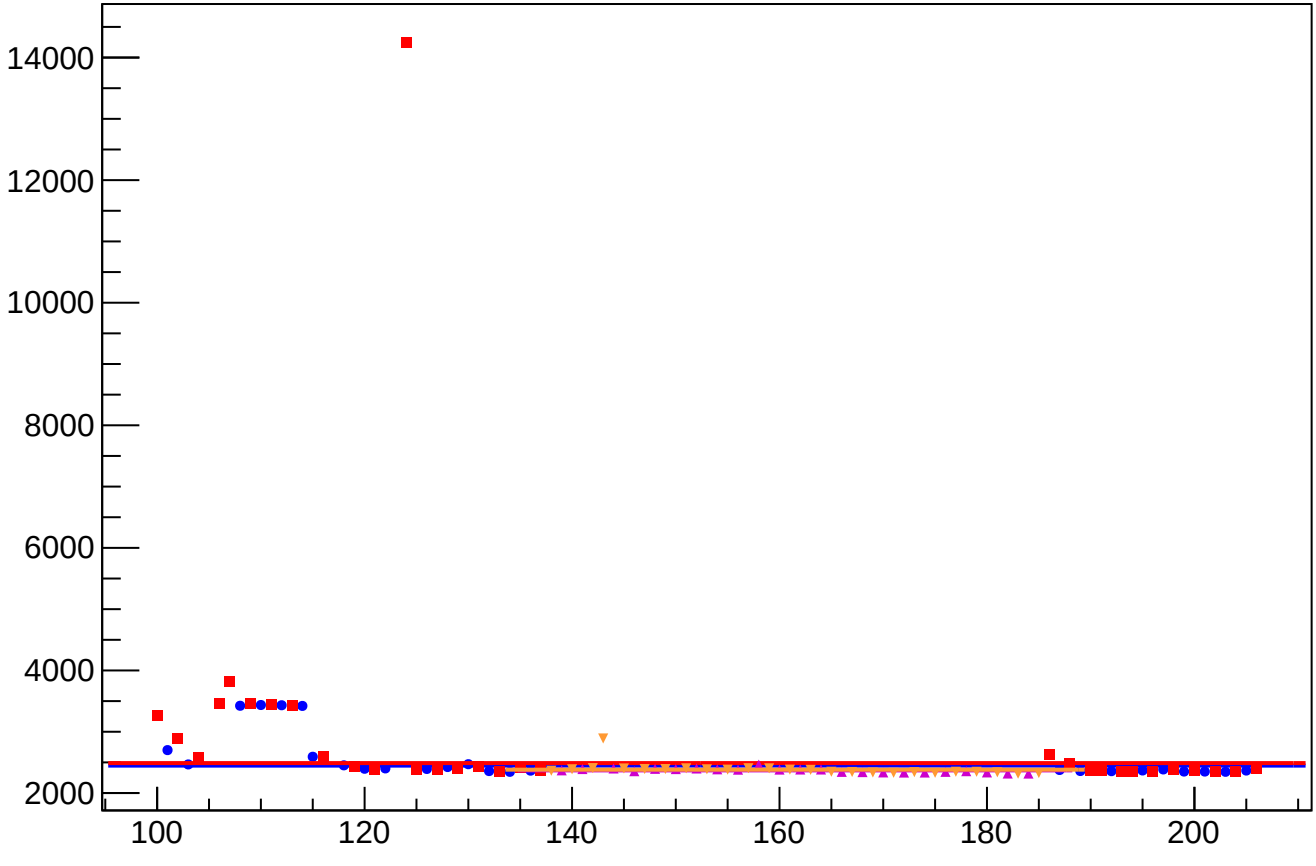
Right: 1608.740+/-449.925 χ^2/NDF: 51.6/55

In: 1780.790+/-422.531 χ^2/NDF:43.0/47

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1536.284+/-293.358 χ^2/NDF: 100.3/103

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

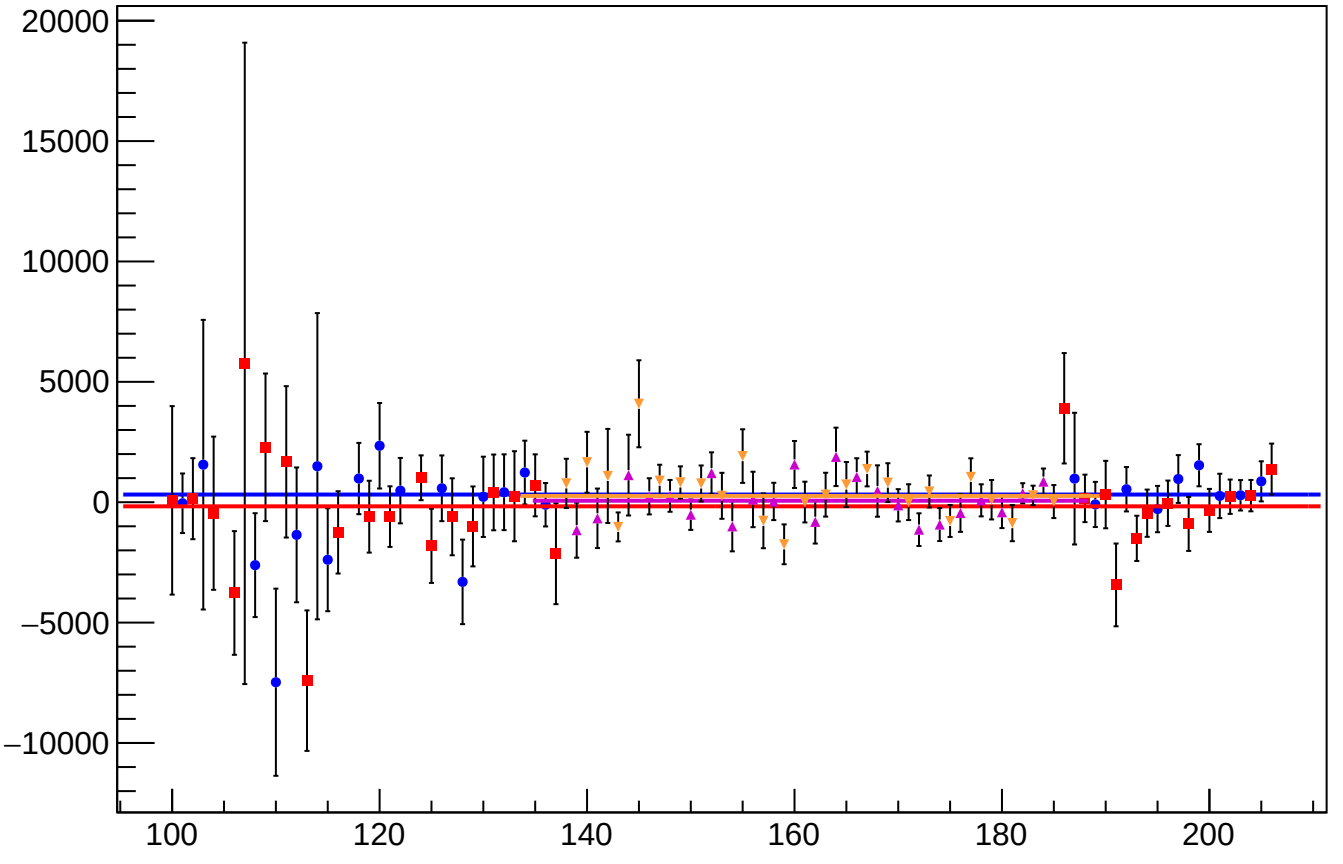
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

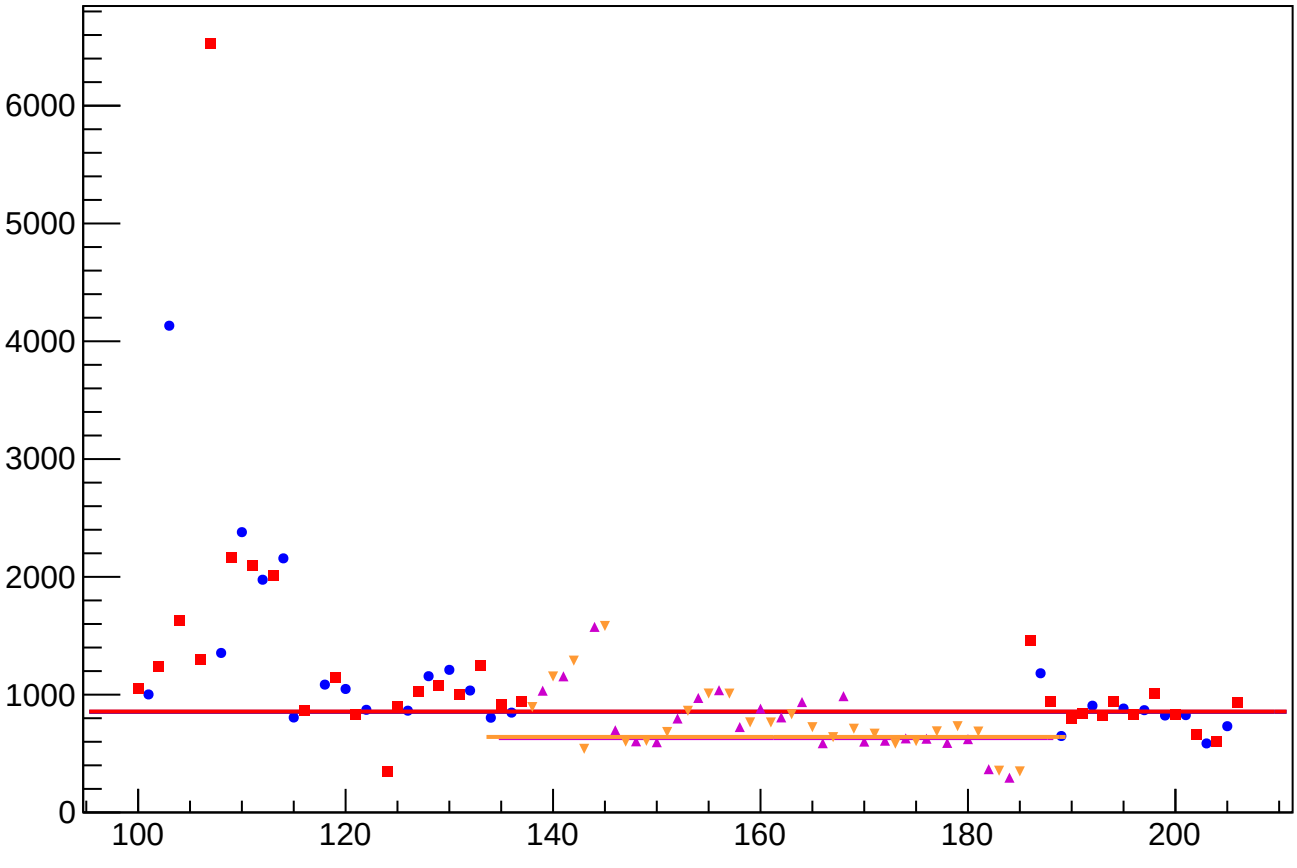
Right: 2469.228+/-0.318 χ^2/NDF: 905787.1/55

In: 2401.940+/-0.299 χ^2/NDF:288839.8/47

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2415.311+/-0.207 χ^2/NDF: 1020873.5/10


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 318.561+/-242.127 χ²/NDF: 18.0/24
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -170.801+/-230.001 χ²/NDF: 27.0/30
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: 61.319+/-166.757 χ²/NDF: 47.2/55
In: 138.192+/-131.963 χ²/NDF:40.8/47
Out: 128.126+/-127.971 χ²/NDF:60.6/55
All: 133.005+/-91.868 χ²/NDF: 101.4/103



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

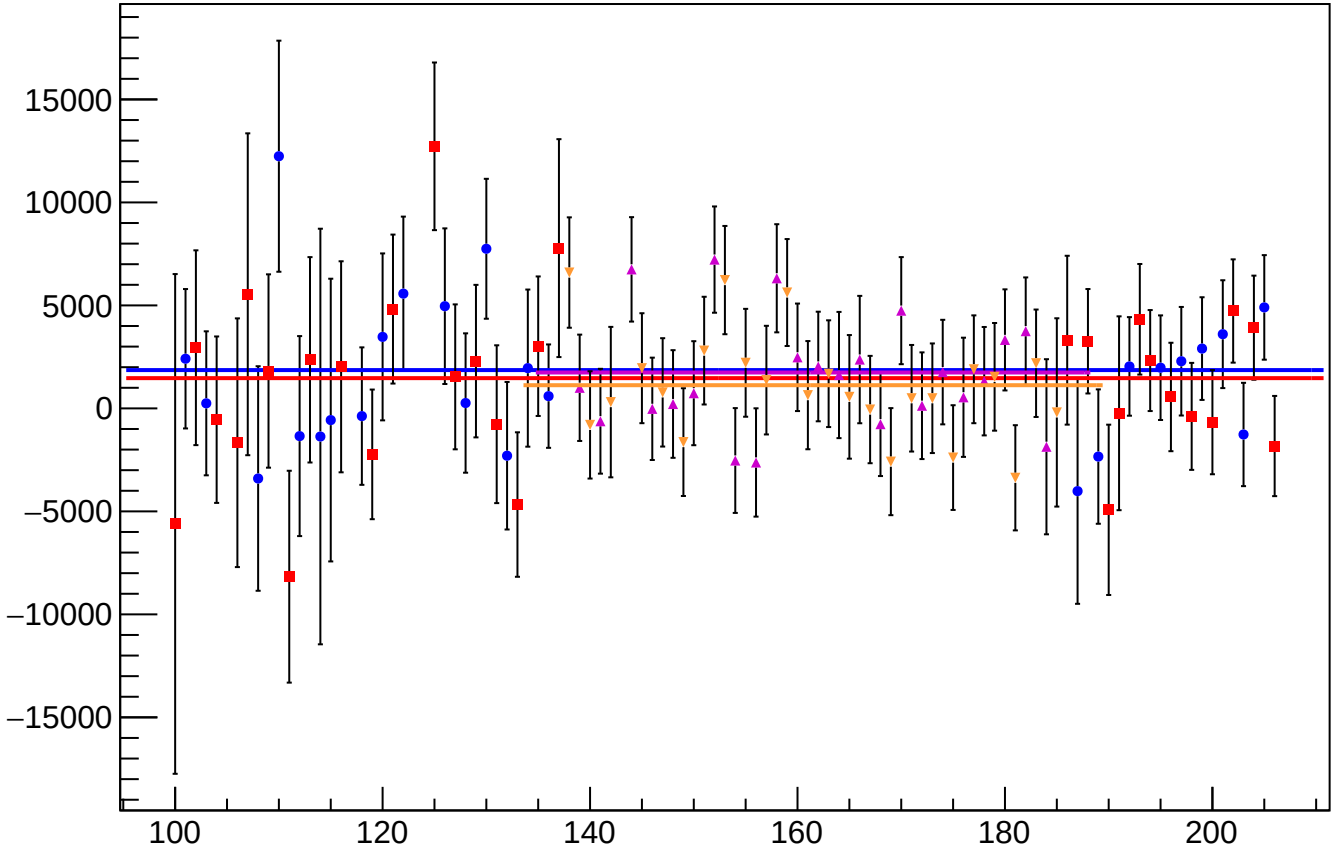
Right: 855.440+/-0.118 χ^2/NDF: 5392731.8/55

In: 697.411+/-0.093 χ^2/NDF:7405072.3/47

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 702.803+/-0.065 χ^2/NDF: 15252784.7/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.943+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1468.648+/-627.517 χ^2/NDF: 30.1/29

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

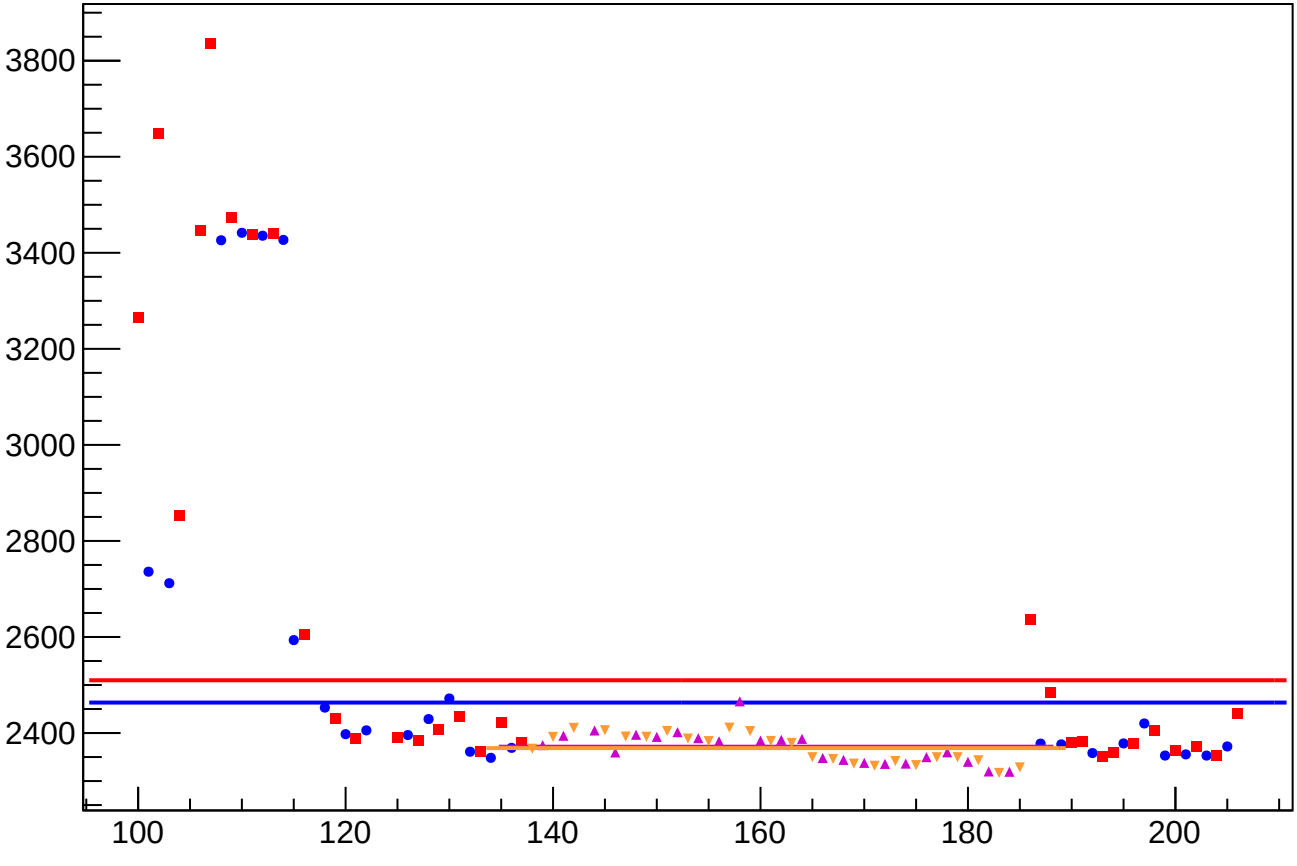
Right: 1654.703+/-454.470 χ^2/NDF: 49.1/54

In: 1790.985+/-423.972 χ^2/NDF:42.6/47

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1526.347+/-296.038 χ^2/NDF: 94.8/101

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2463.444+/-0.466 χ^2/NDF: 275965.0/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530441.8/29

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

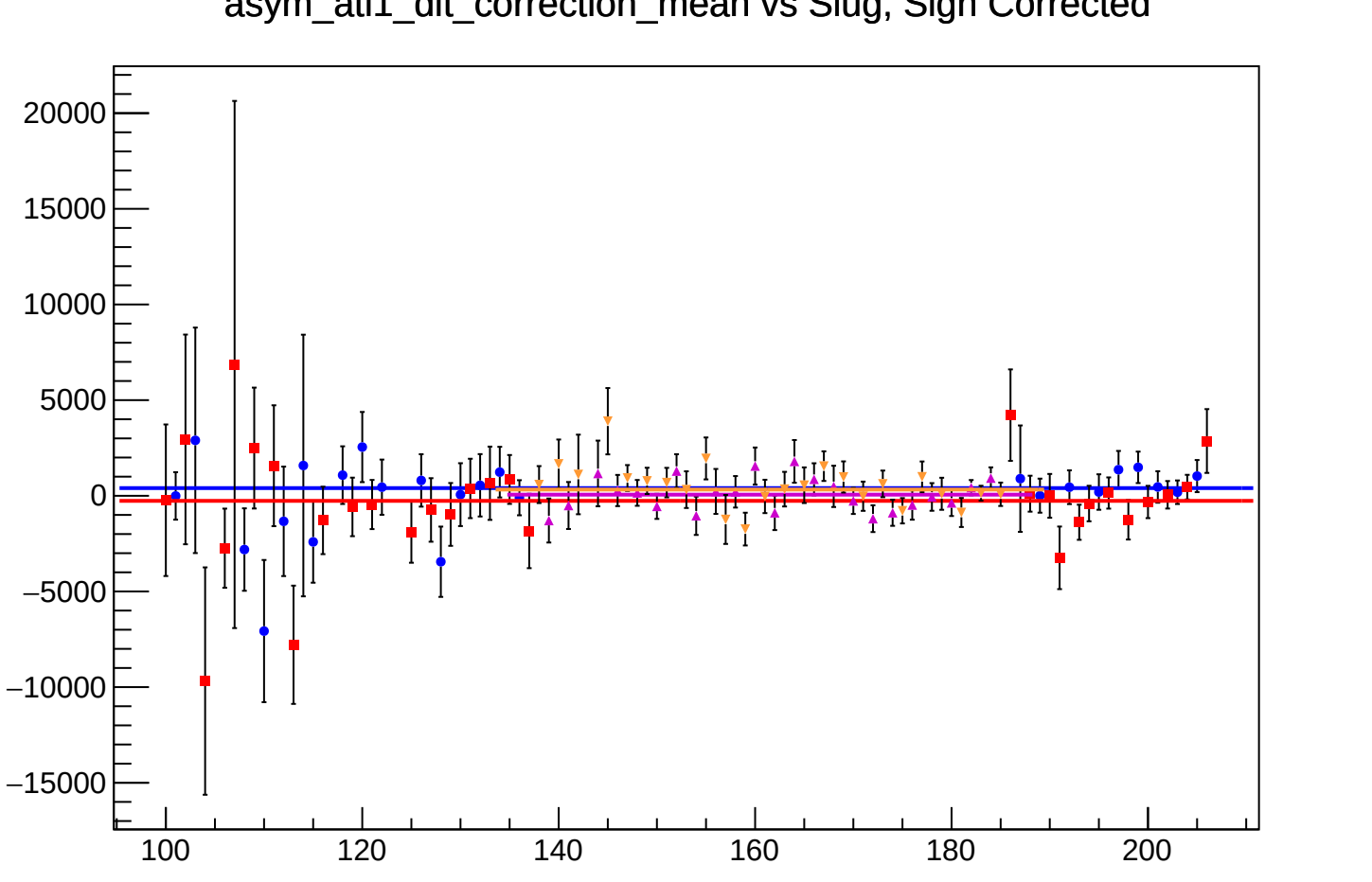
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2487.796+/-0.321 χ^2/NDF: 811612.3/54

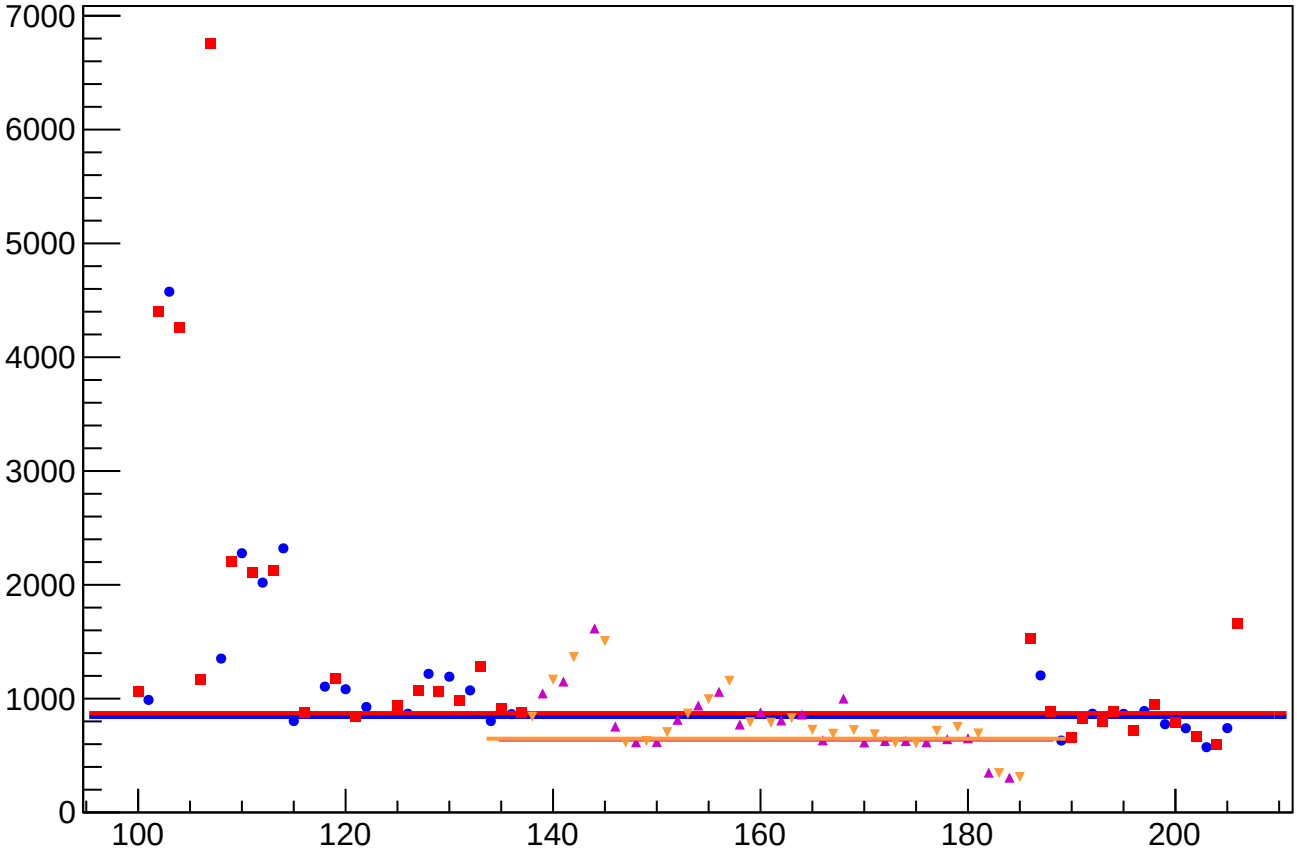
In: 2409.558+/-0.300 χ^2/NDF:305825.7/47

Out: 2429.937+/-0.292 χ^2/NDF:593379.6/53

All: 2420.001+/-0.209 χ^2/NDF: 901573.2/101


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 402.529+/-237.130 χ²/NDF: 19.2/24
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -264.735+/-235.273 χ²/NDF: 29.8/29
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: 66.275+/-167.016 χ²/NDF: 53.0/54
In: 166.590+/-132.443 χ²/NDF:43.3/47
Out: 139.095+/-132.328 χ²/NDF:60.9/53
All: 152.831+/-93.611 χ²/NDF: 104.2/101

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 839.200+/-0.168 χ^2/NDF: 2602637.3/24

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442068.4/29

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

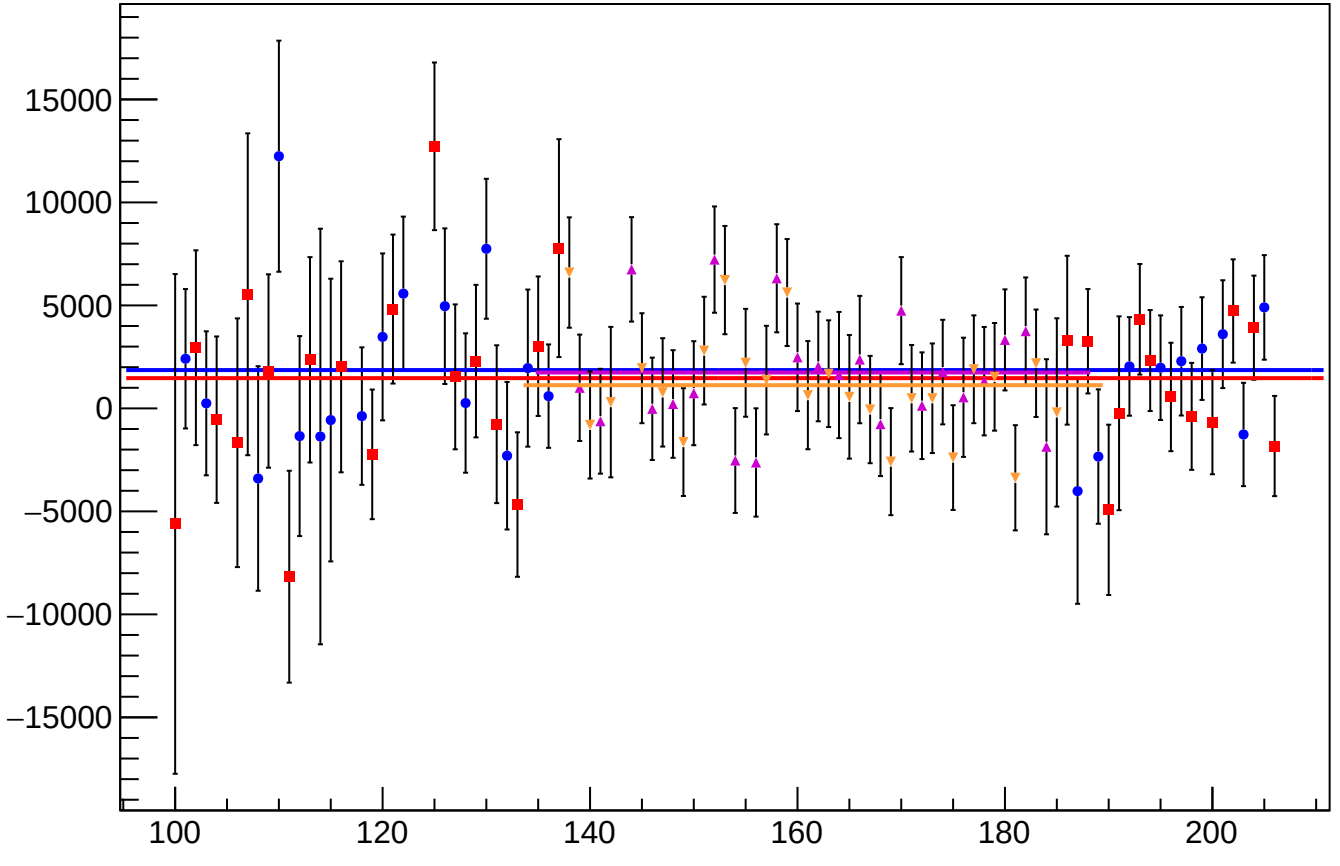
Right: 856.514+/-0.118 χ^2/NDF: 7065865.8/54

In: 702.431+/-0.094 χ^2/NDF:7698362.3/47

Out: 719.422+/-0.094 χ^2/NDF:9584674.2/53

All: 710.934+/-0.066 χ^2/NDF: 17299509.3/10

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.942+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1468.648+/-627.517 χ^2/NDF: 30.1/29

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

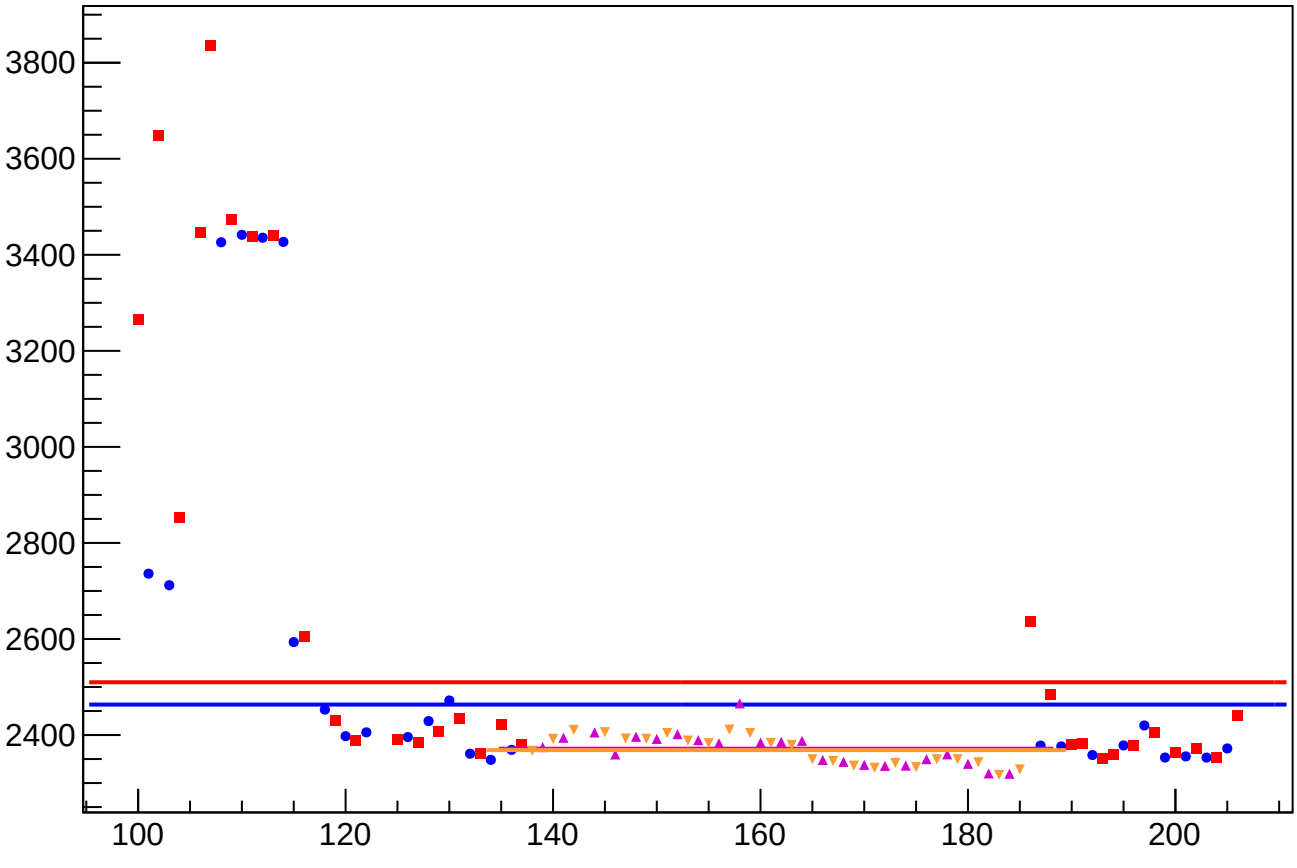
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1654.702+/-454.470 χ^2/NDF: 49.1/54

In: 1790.984+/-423.972 χ^2/NDF:42.6/47

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1526.347+/-296.038 χ^2/NDF: 94.8/101



Right In: 2463.444+/-0.466 χ^2/NDF: 275964.6/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530440.9/29

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

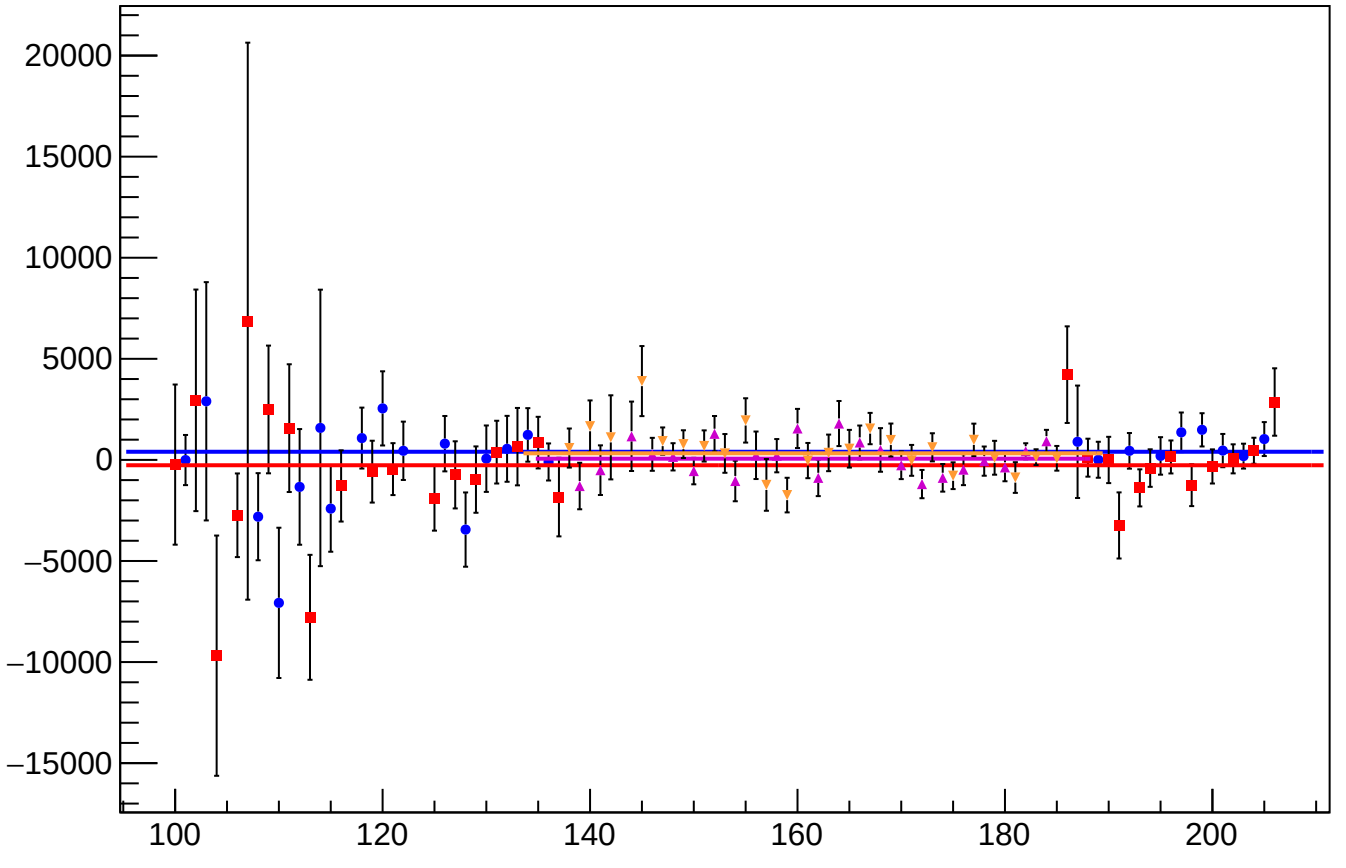
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2487.796+/-0.321 χ^2/NDF: 811610.9/54

In: 2409.558+/-0.300 χ^2/NDF:305825.2/47

Out: 2429.937+/-0.292 χ^2/NDF:593378.6/53

All: 2420.001+/-0.209 χ^2/NDF: 901571.8/101



Right In: 402.528+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -264.736+/-235.273 χ^2/NDF: 29.8/29

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

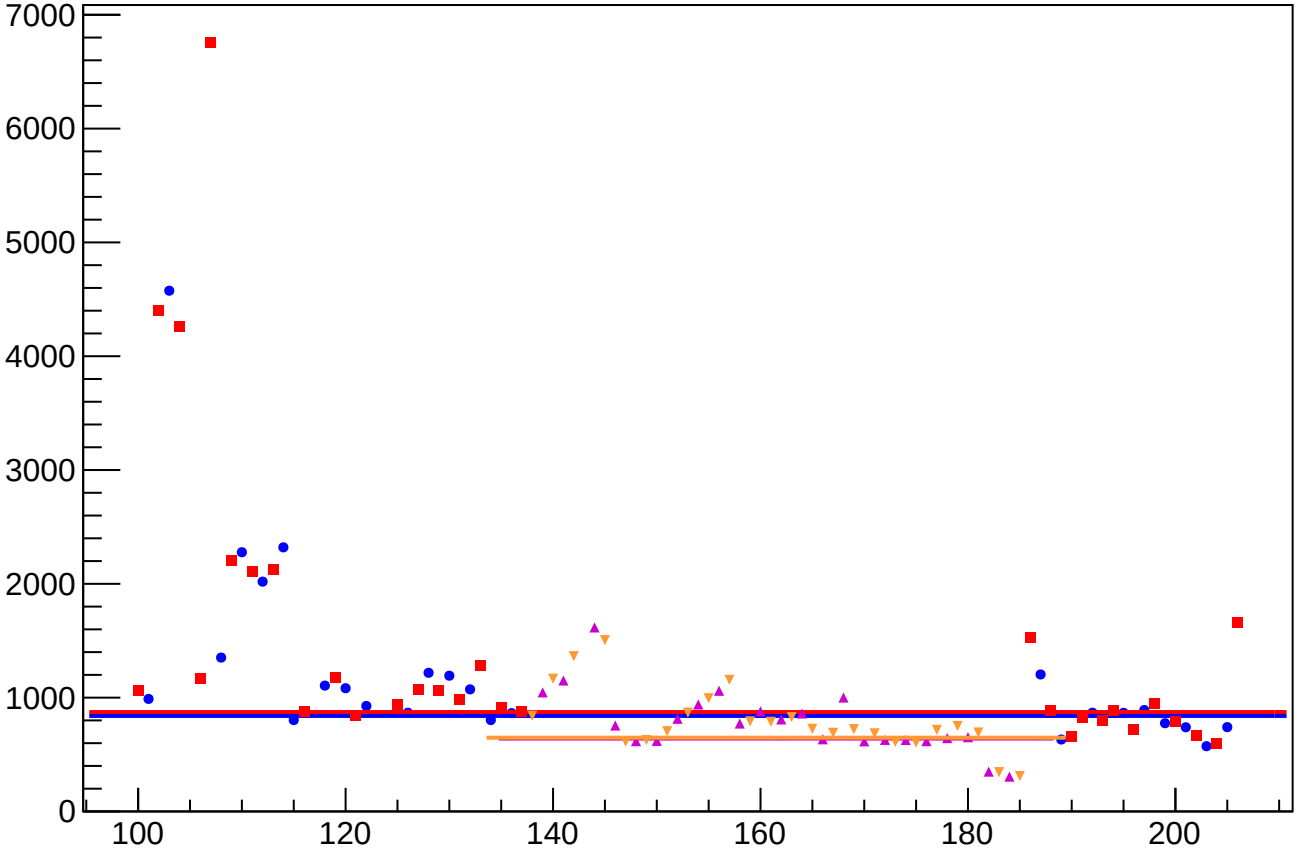
Right: 66.274+/-167.016 χ^2/NDF: 53.0/54

In: 166.591+/-132.444 χ^2/NDF:43.3/47

Out: 139.094+/-132.328 χ^2/NDF:60.9/53

All: 152.830+/-93.611 χ^2/NDF: 104.2/101

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 839.199+/-0.168 χ^2/NDF: 2602636.6/24

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442072.7/29

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

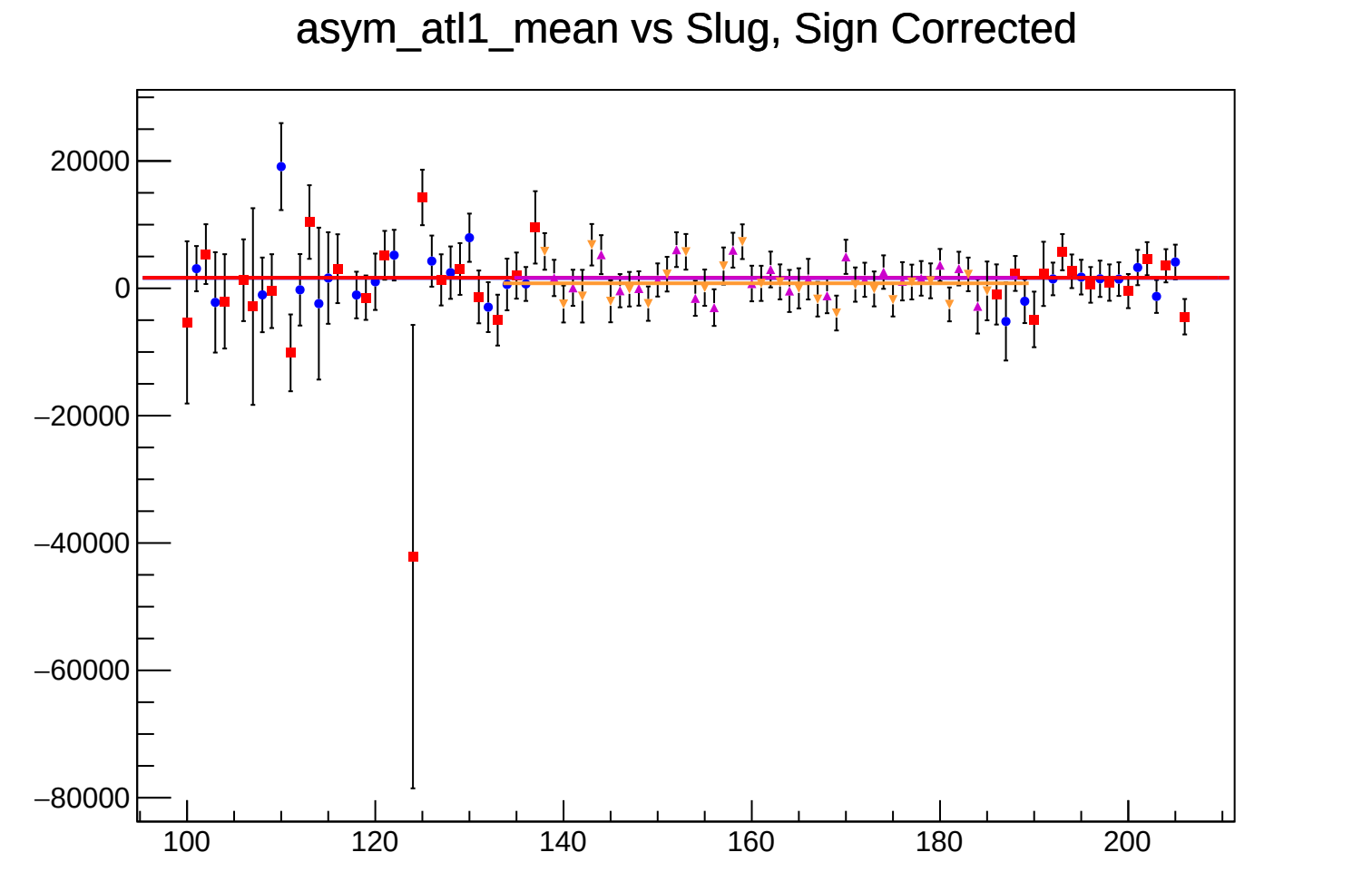
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 856.514+/-0.118 χ^2/NDF: 7065869.5/54

In: 702.432+/-0.094 χ^2/NDF:7698363.8/47

Out: 719.423+/-0.094 χ^2/NDF:9584675.1/53

All: 710.935+/-0.066 χ^2/NDF: 17299512.0/10



Right In: 1625.774+/-720.112 χ^2/NDF: 18.4/24

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1664.306+/-686.290 χ^2/NDF: 36.7/30

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

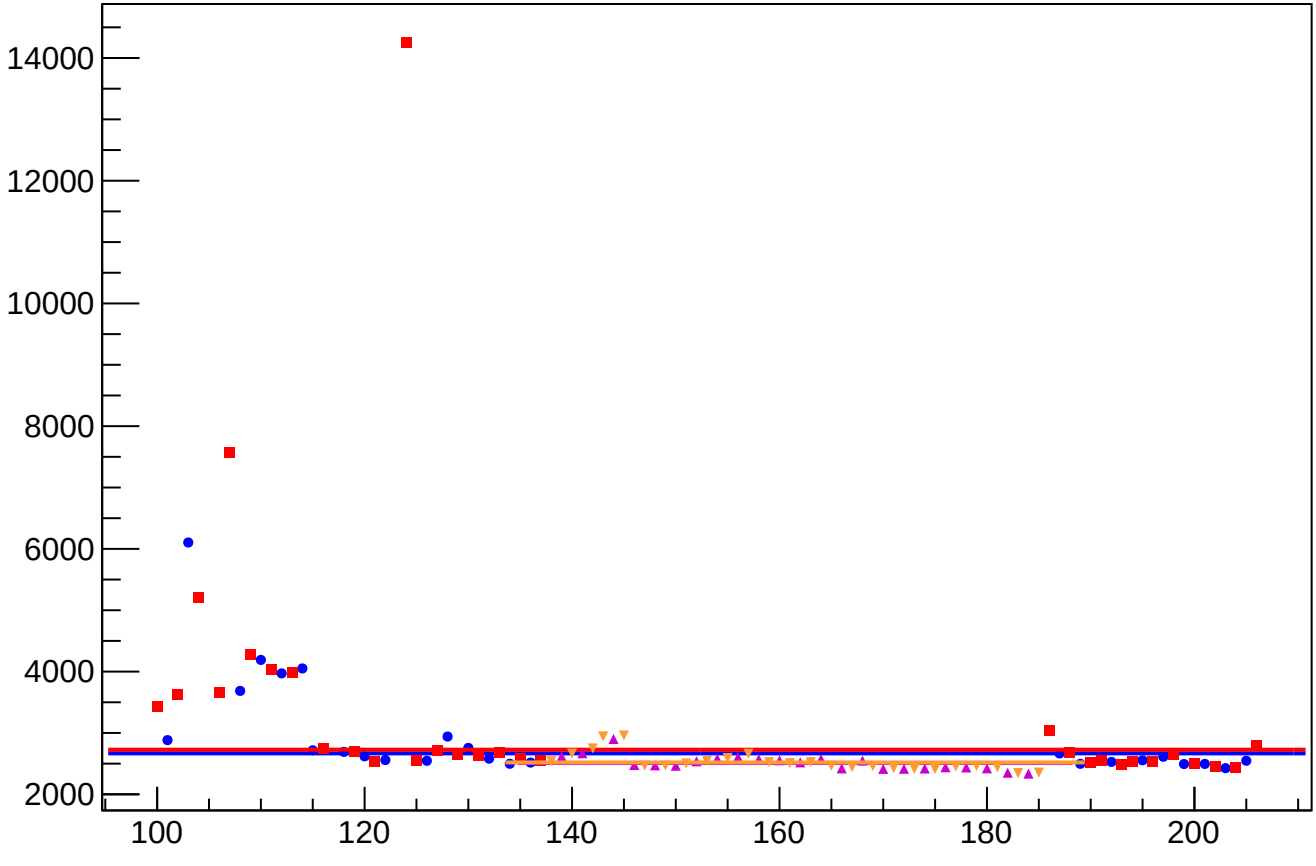
Right: 1645.966+/-496.807 χ^2/NDF: 55.2/55

In: 1643.113+/-454.880 χ^2/NDF:35.7/47

Out: 1150.173+/-439.967 χ^2/NDF:64.8/55

All: 1388.430+/-316.244 χ^2/NDF: 101.2/103

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2667.239+/-0.509 χ^2/NDF: 759561.3/24

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2727.469+/-0.485 χ^2/NDF: 1204787.2/30

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

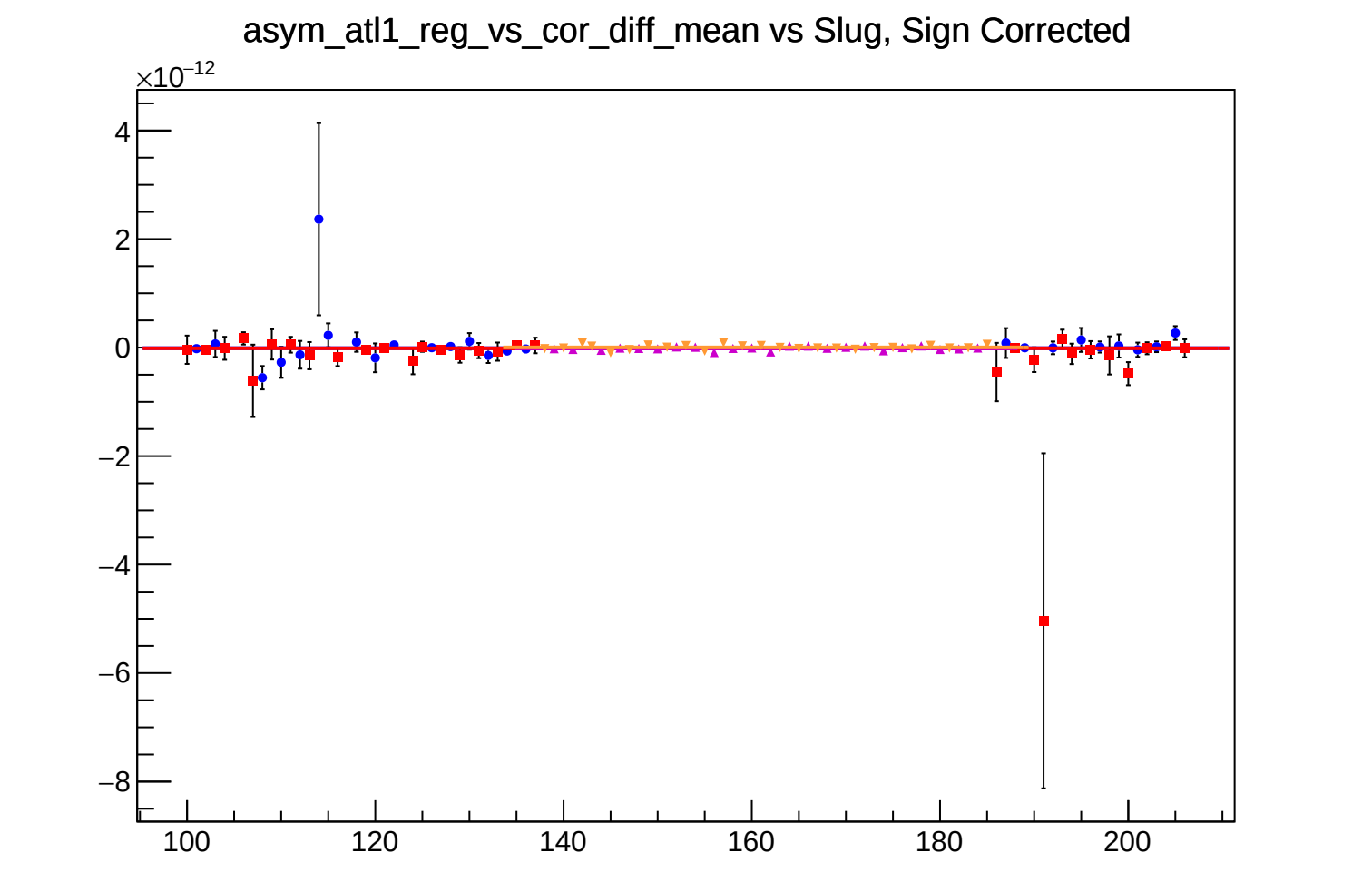
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2698.802+/-0.351 χ^2/NDF: 1971680.4/55

In: 2572.835+/-0.322 χ^2/NDF:890526.6/47

Out: 2604.981+/-0.311 χ^2/NDF:1428153.6/55

All: 2589.444+/-0.224 χ^2/NDF: 2323840.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/30

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

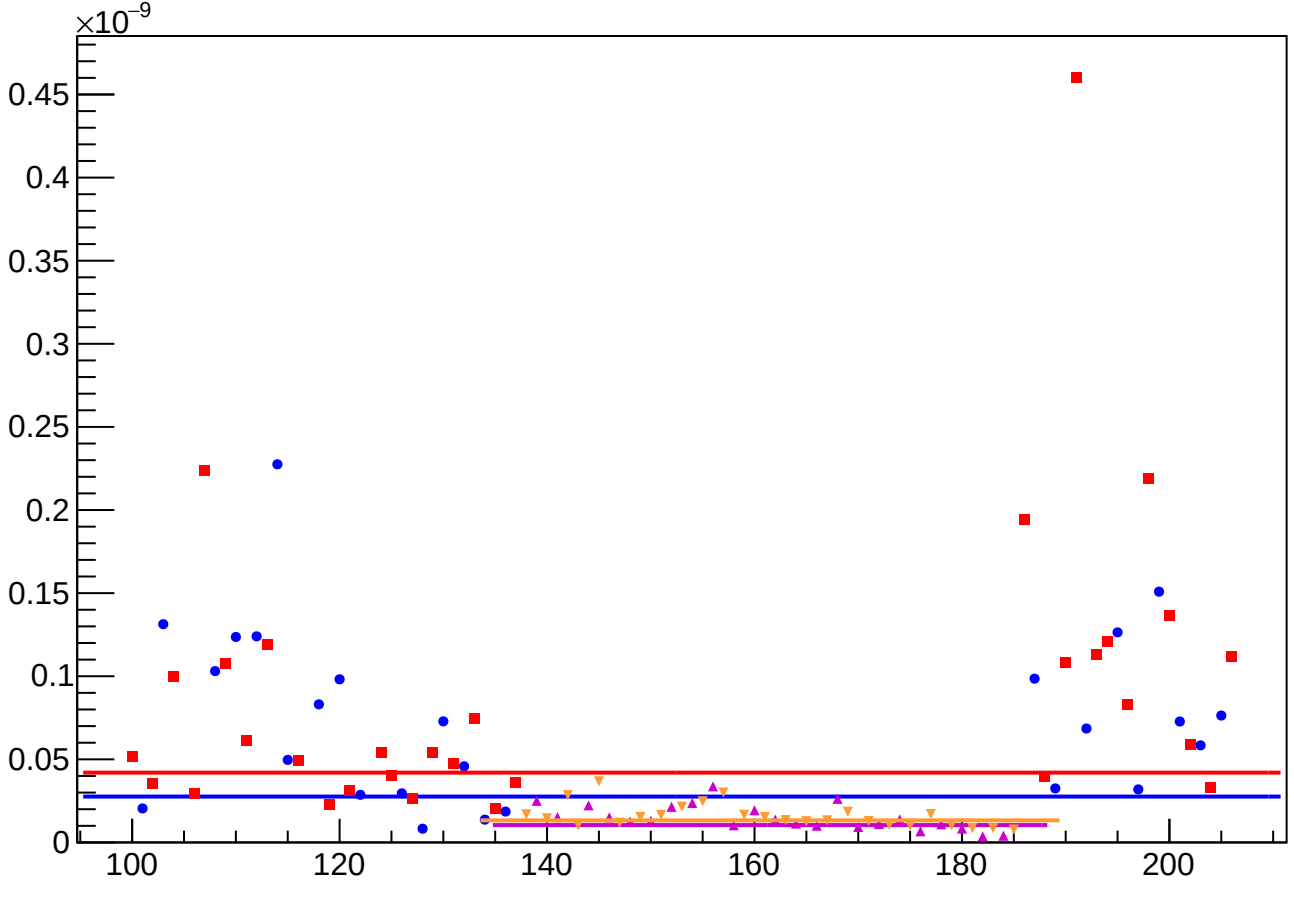
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 40.3/55

In: -0.000+/-0.000 χ^2/NDF:53.5/47

Out: 0.000+/-0.000 χ^2/NDF:48.5/55

All: -0.000+/-0.000 χ^2/NDF: 106.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 4739553.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3948845.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

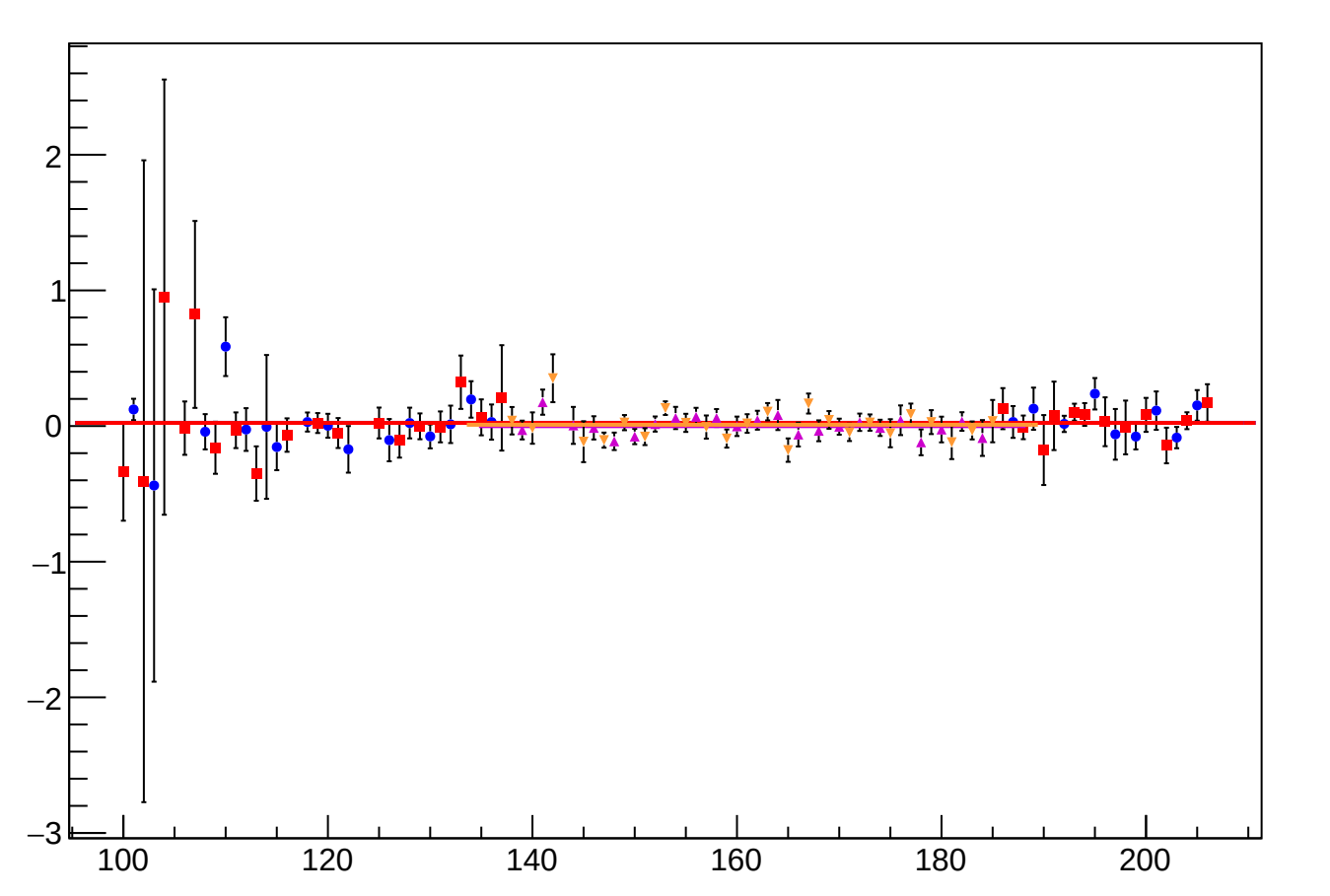
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9326693.5/55

In: 0.000+/-0.000 χ^2/NDF:9726220.9/47

Out: 0.000+/-0.000 χ^2/NDF:9252684.0/55

All: 0.000+/-0.000 χ^2/NDF: 19420888.5/103



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

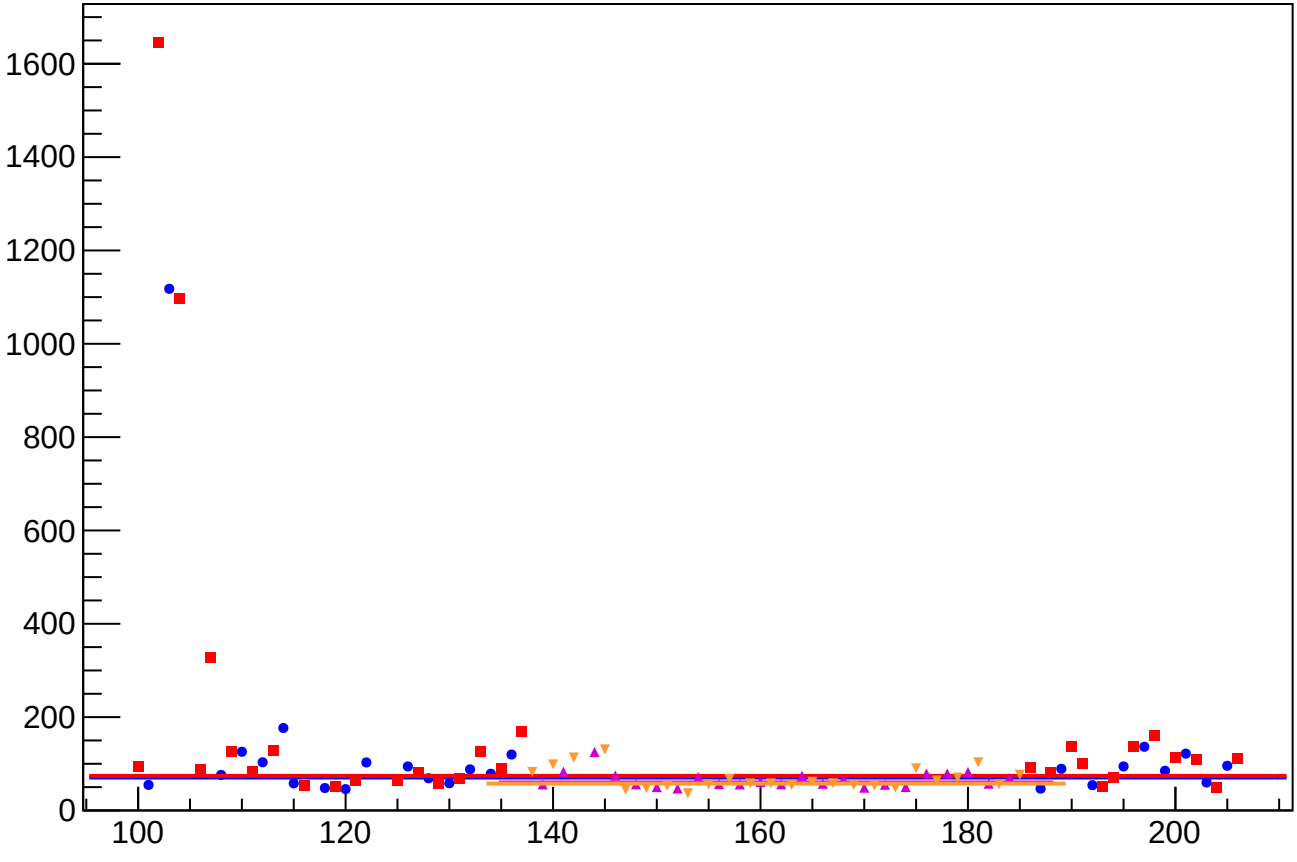
Right: 0.023+/-0.016 χ^2/NDF: 42.2/54

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 93.7/101

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

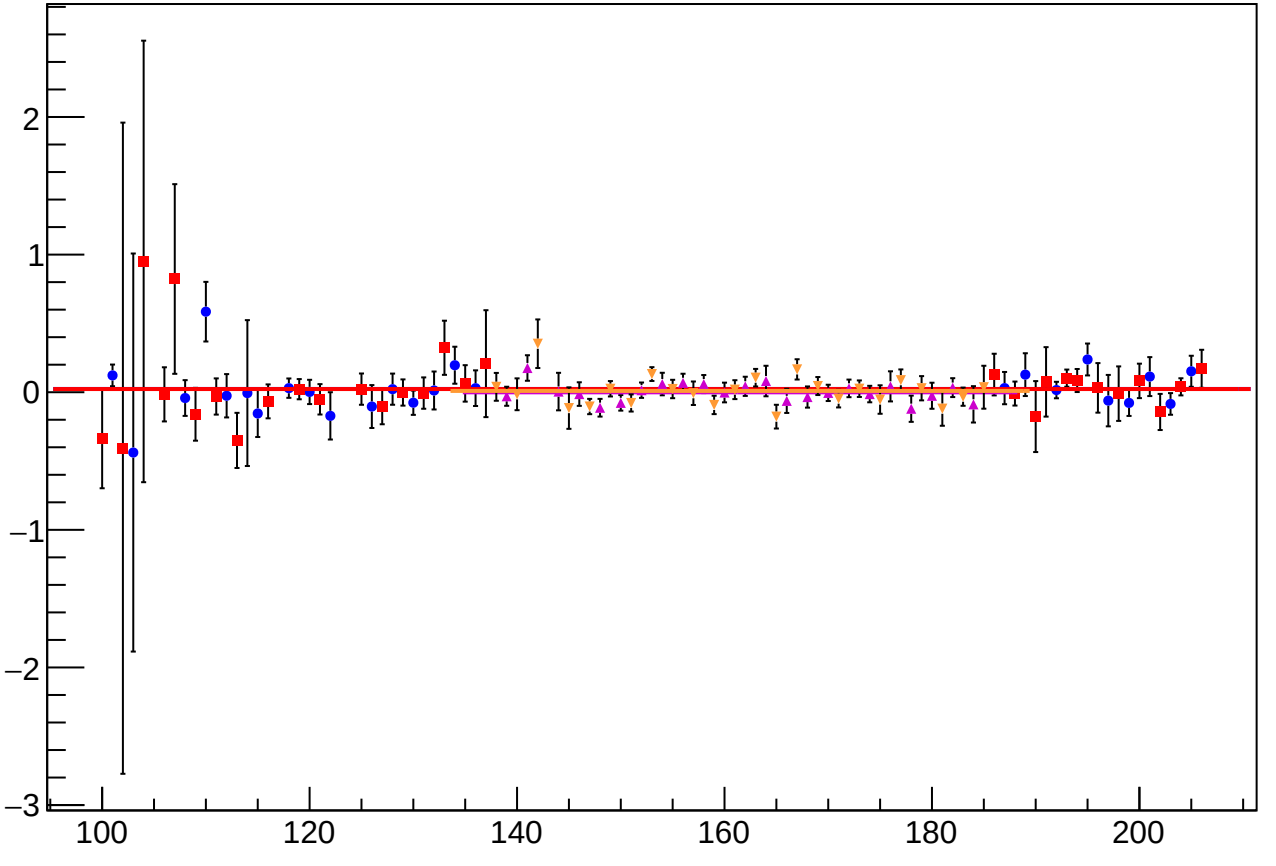
Right: 72.358+/-0.011 χ^2/NDF: 8167033.2/54

In: 63.340+/-0.009 χ^2/NDF:4984629.8/47

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.035+/-0.006 χ^2/NDF: 12757621.9/101

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

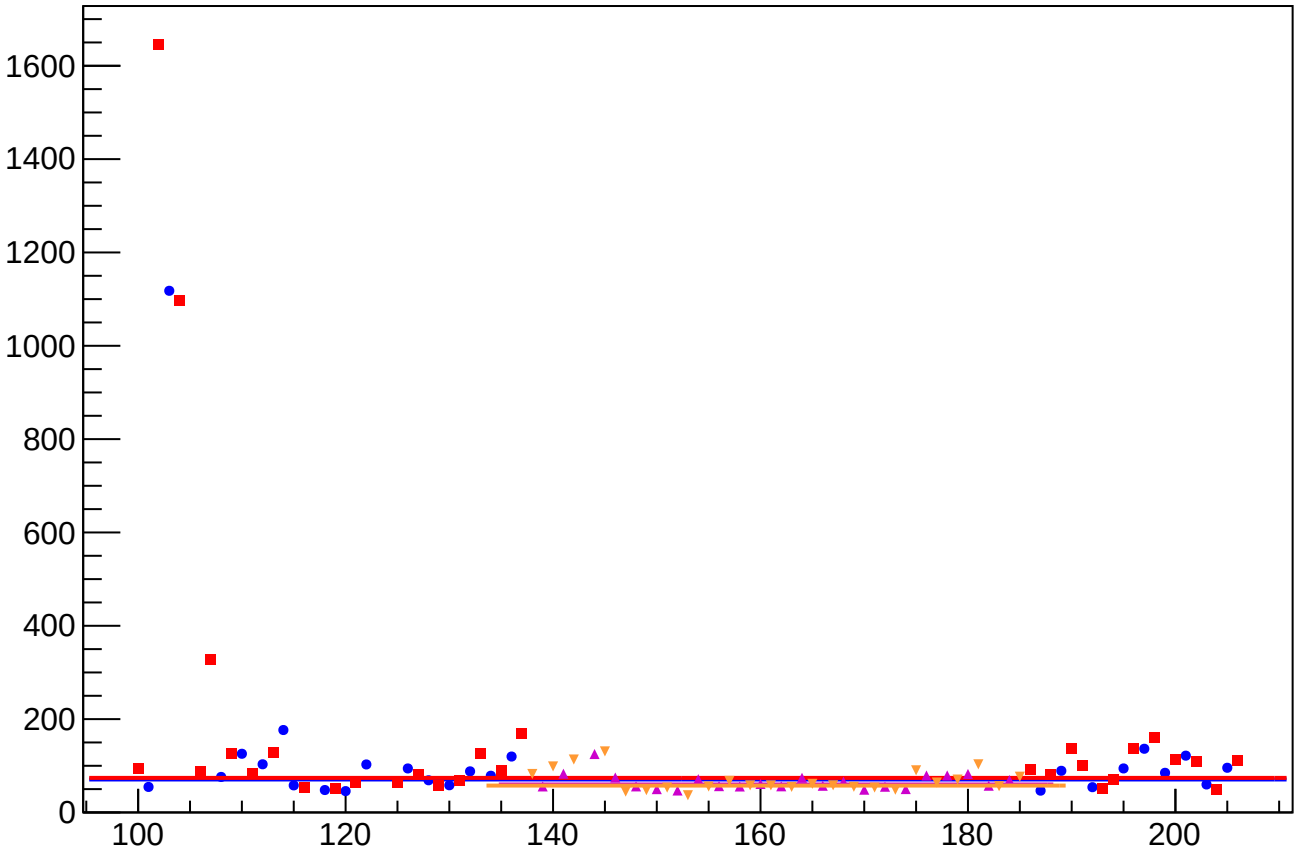
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.023+/-0.016 χ^2/NDF: 42.2/54

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 93.7/101



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

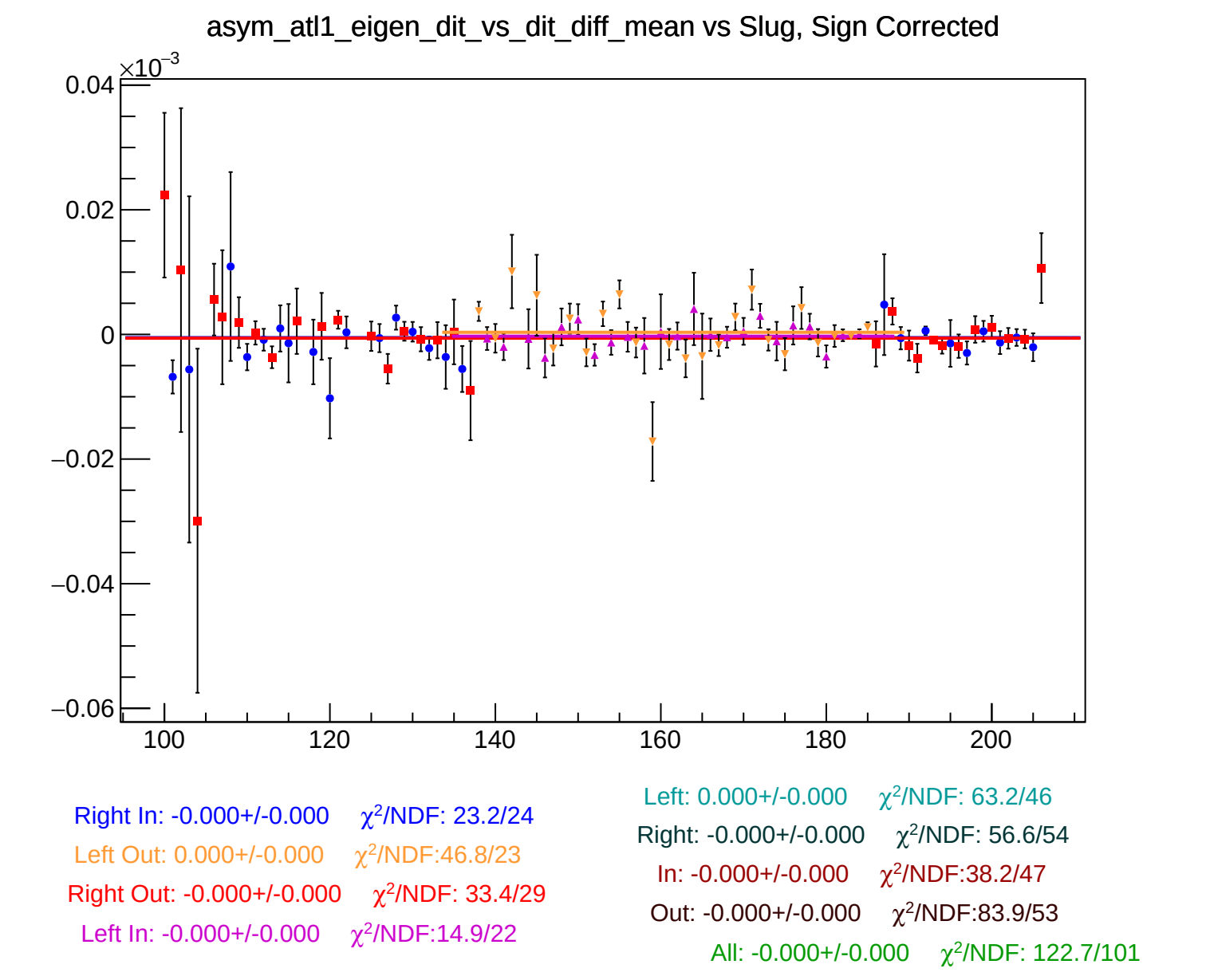
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.358+/-0.011 χ^2/NDF: 8167033.2/54

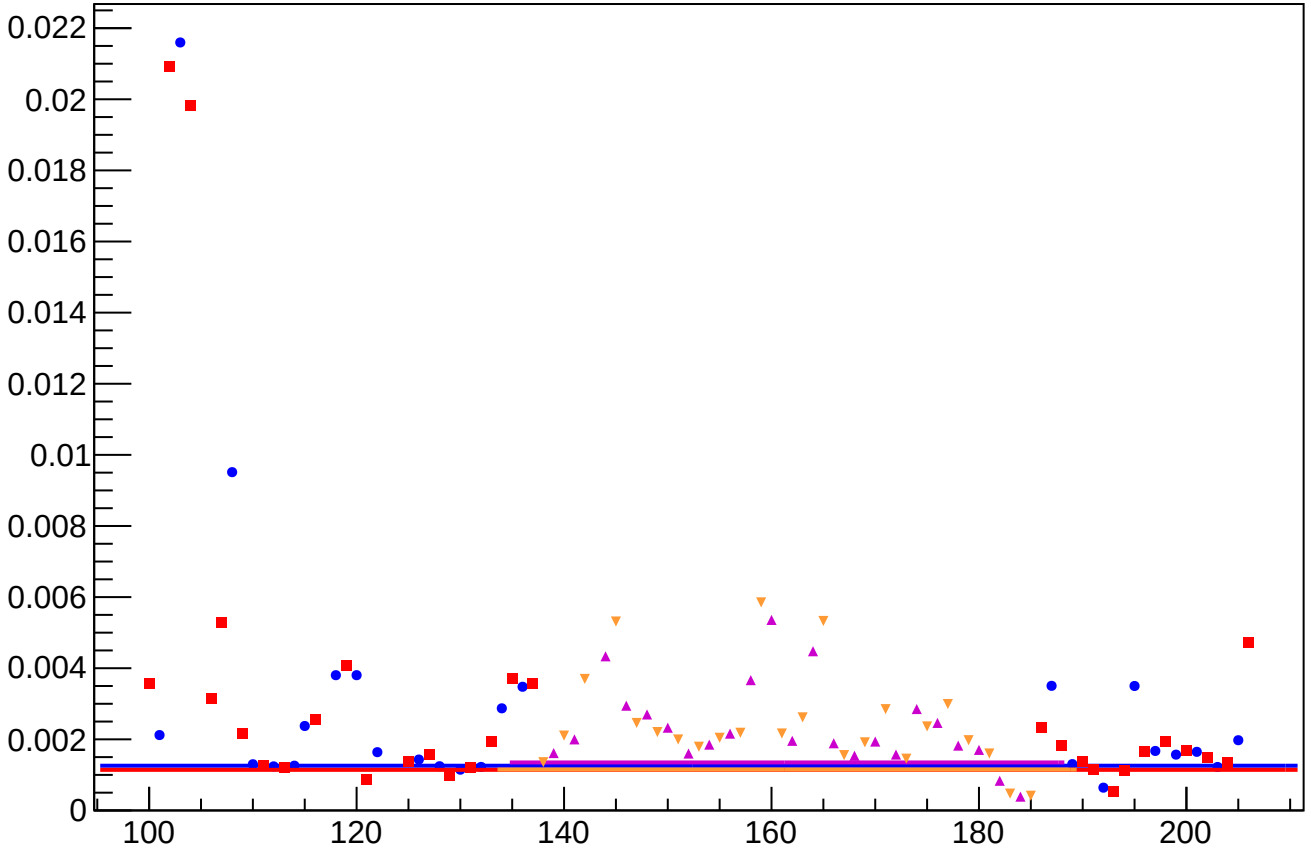
In: 63.340+/-0.009 χ^2/NDF:4984629.8/47

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.035+/-0.006 χ^2/NDF: 12757621.9/101


asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.2/24
Left Out: 0.000+/-0.000 χ²/NDF:46.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/29
Left In: -0.000+/-0.000 χ²/NDF:14.9/22
Left: 0.000+/-0.000 χ²/NDF: 63.2/46
Right: -0.000+/-0.000 χ²/NDF: 56.6/54
In: -0.000+/-0.000 χ²/NDF:38.2/47
Out: -0.000+/-0.000 χ²/NDF:83.9/53
All: -0.000+/-0.000 χ²/NDF: 122.7/101

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6683421.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8640973.9/29

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

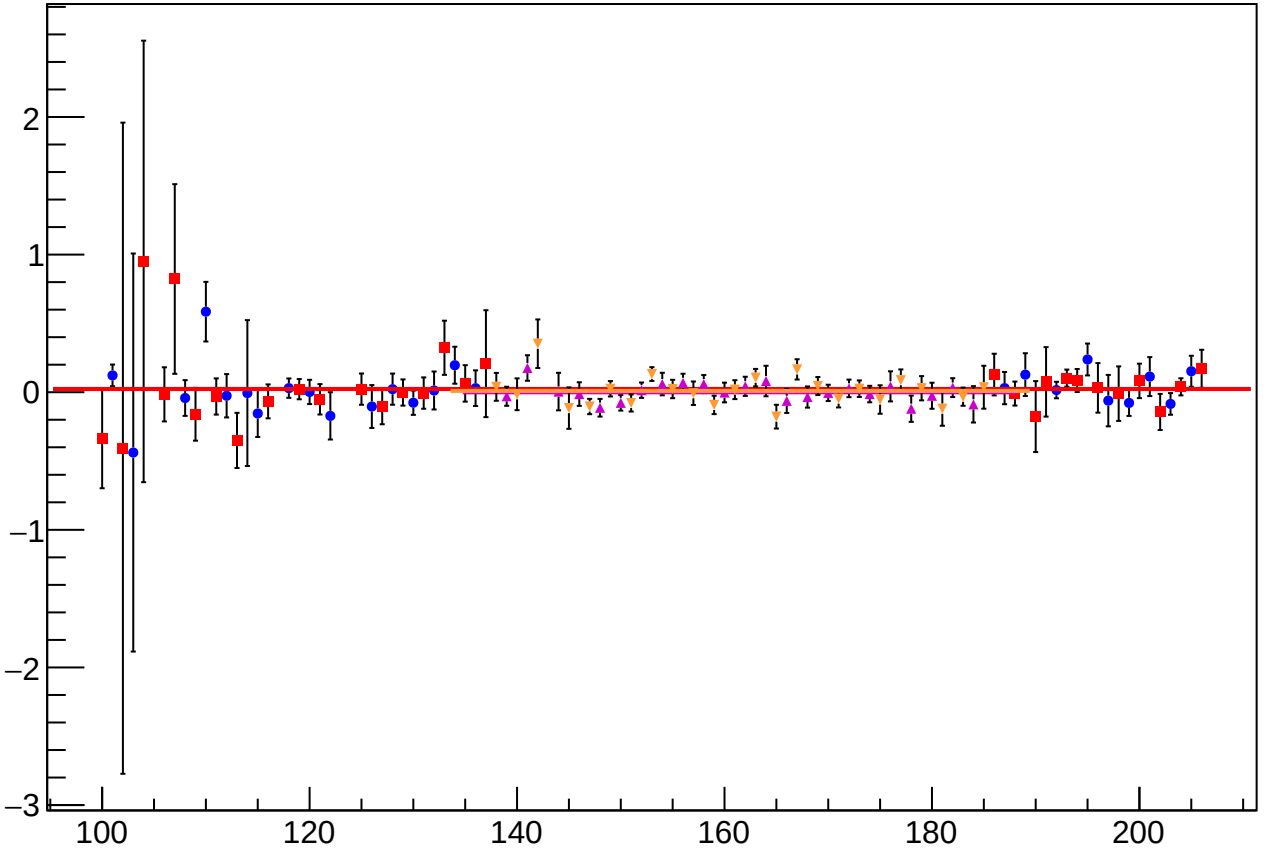
Right: 0.001+/-0.000 χ^2/NDF: 15421860.8/54

In: 0.001+/-0.000 χ^2/NDF:16987505.4/47

Out: 0.001+/-0.000 χ^2/NDF:21883828.1/53

All: 0.001+/-0.000 χ^2/NDF: 39247380.7/101

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

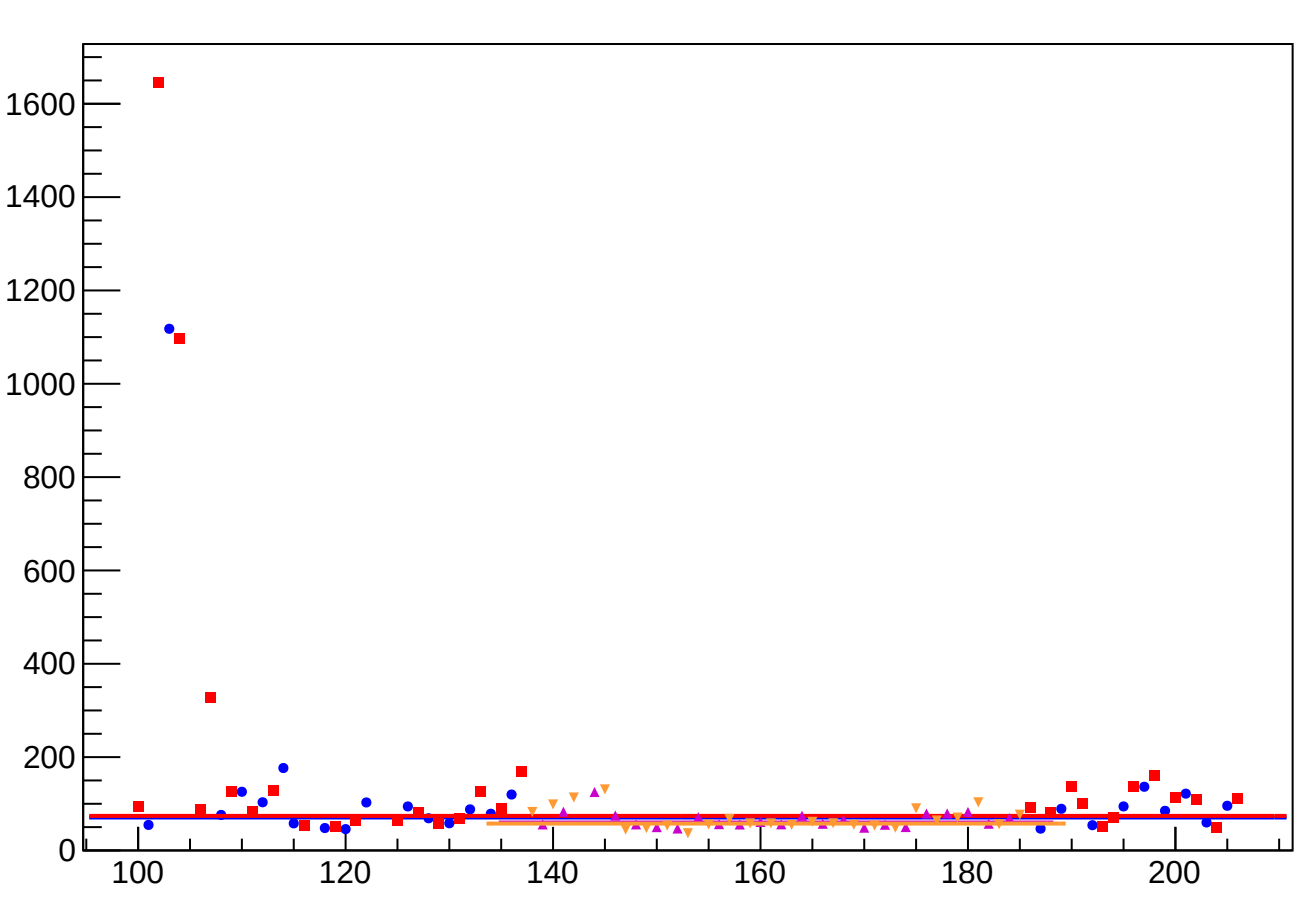
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.023+/-0.016 χ^2/NDF: 42.2/54

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 93.7/101



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

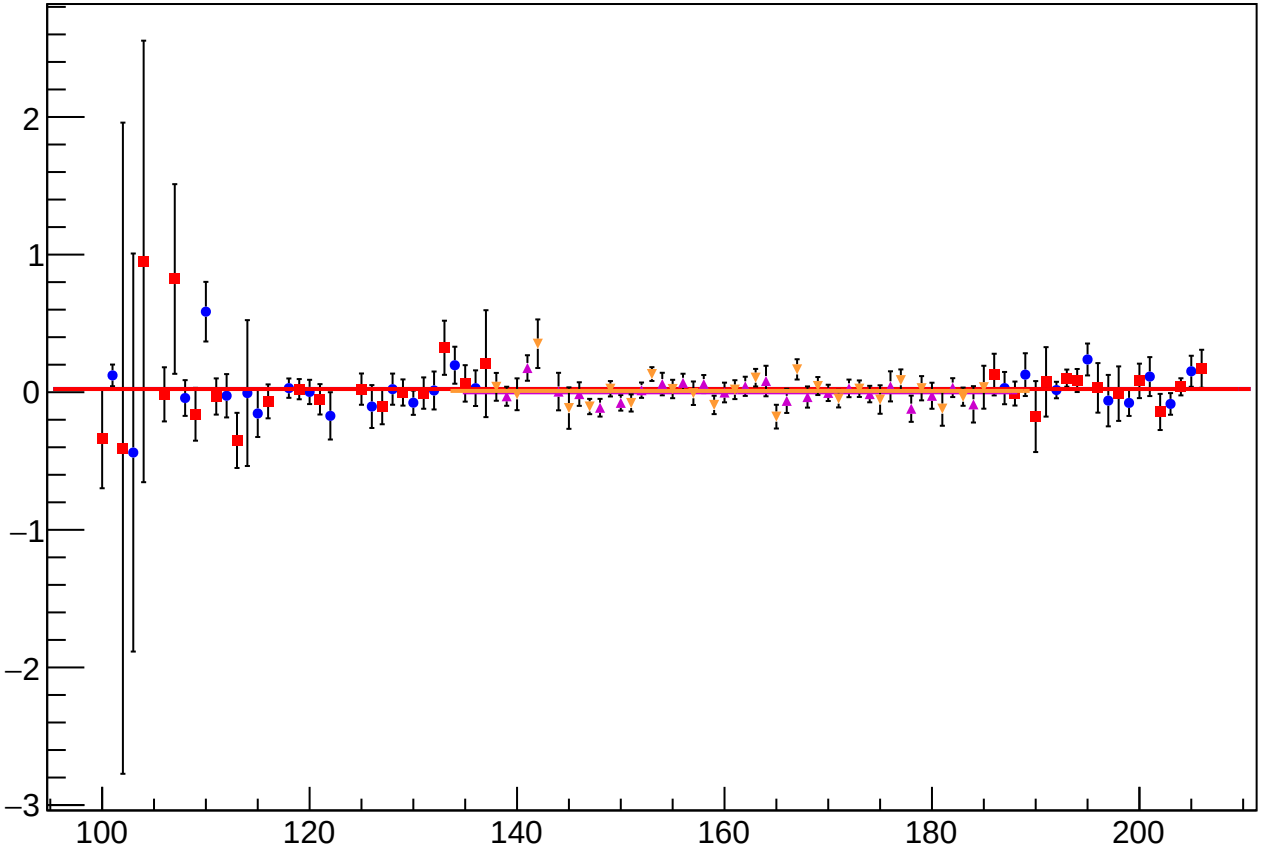
Right: 72.357+/-0.011 χ^2/NDF: 8167272.8/54

In: 63.340+/-0.009 χ^2/NDF:4984704.8/47

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.035+/-0.006 χ^2/NDF: 12757838.9/101

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

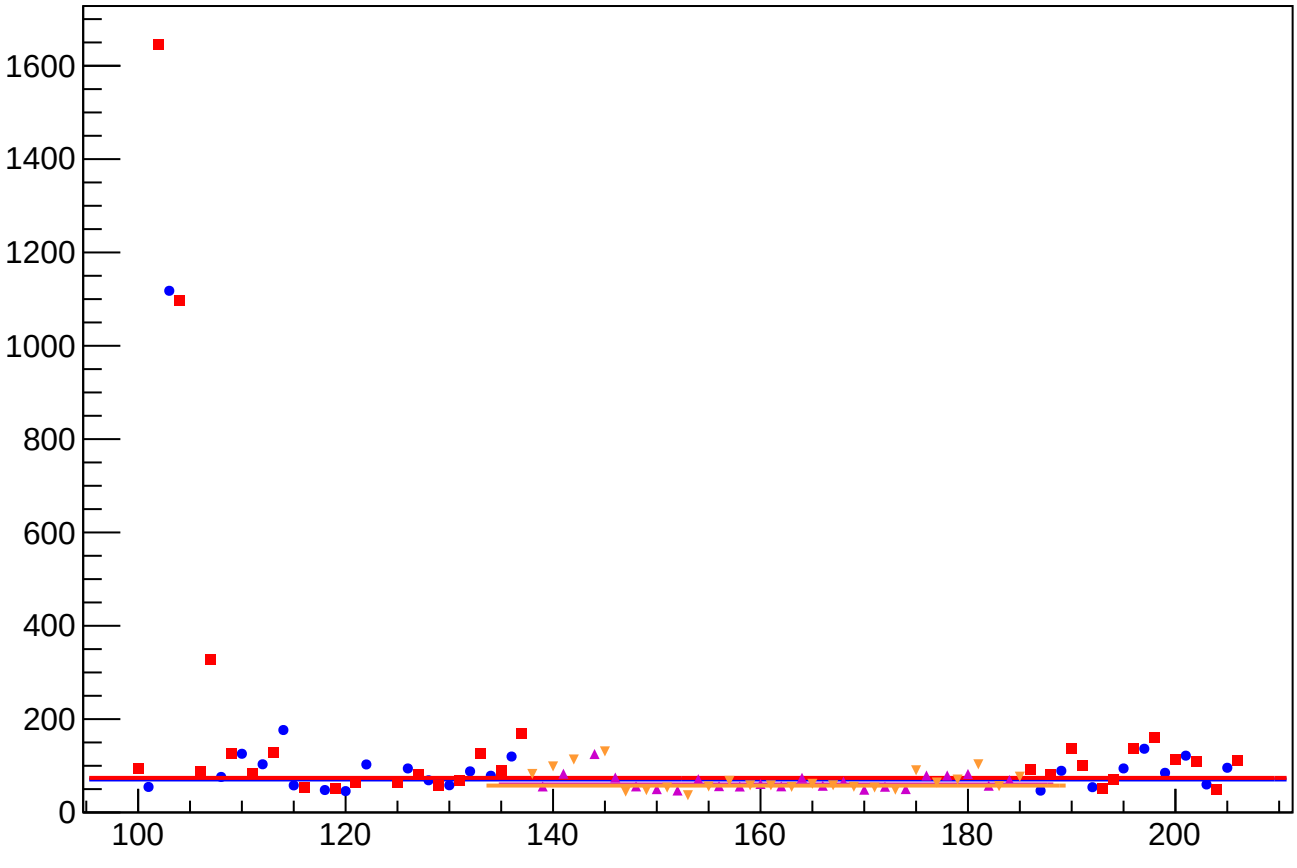
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.023+/-0.016 χ^2/NDF: 42.2/54

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 93.7/101



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

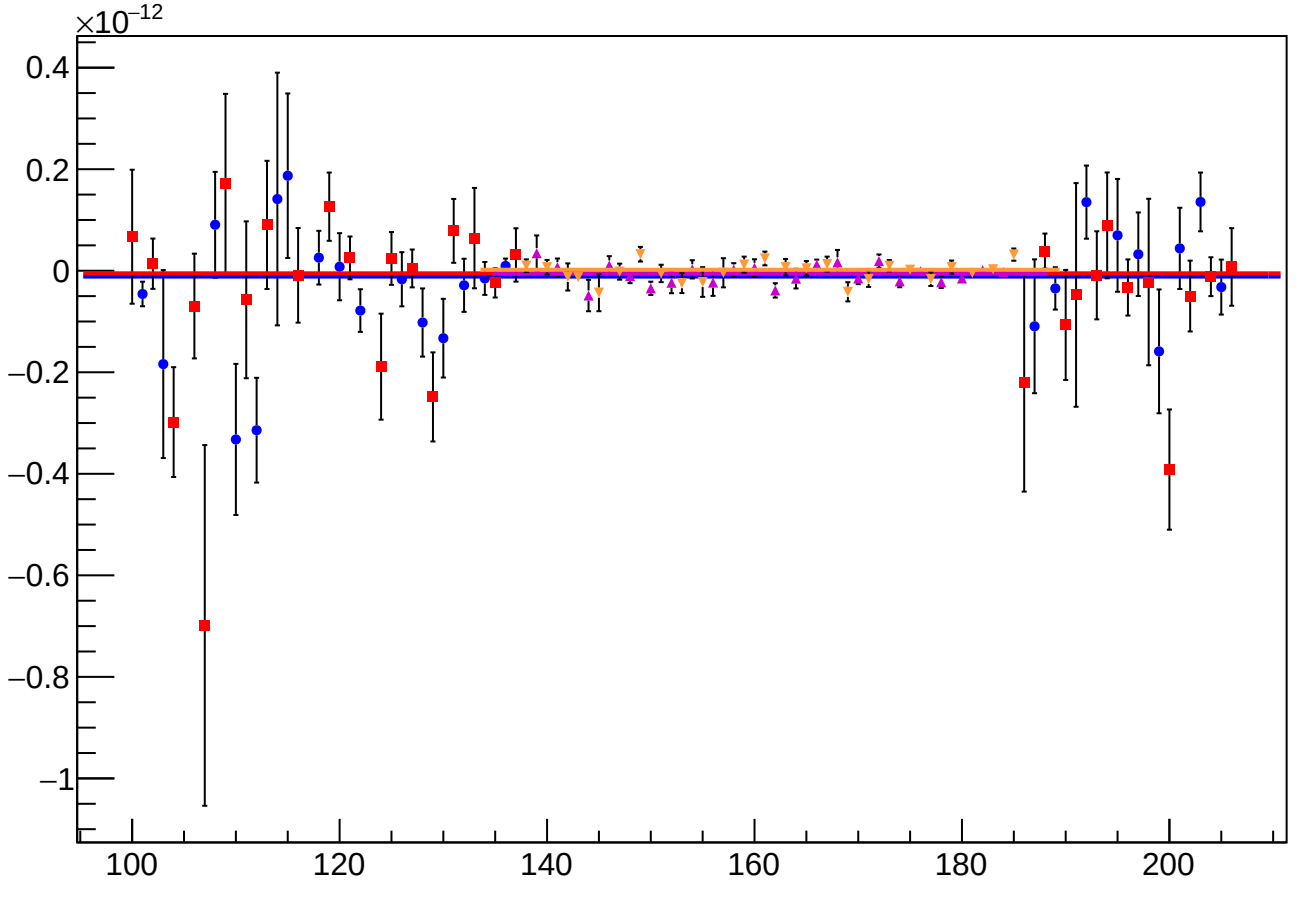
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 72.357+/-0.011 χ^2/NDF: 8167272.8/54

In: 63.340+/-0.009 χ^2/NDF:4984704.8/47

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.035+/-0.006 χ^2/NDF: 12757838.9/101



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

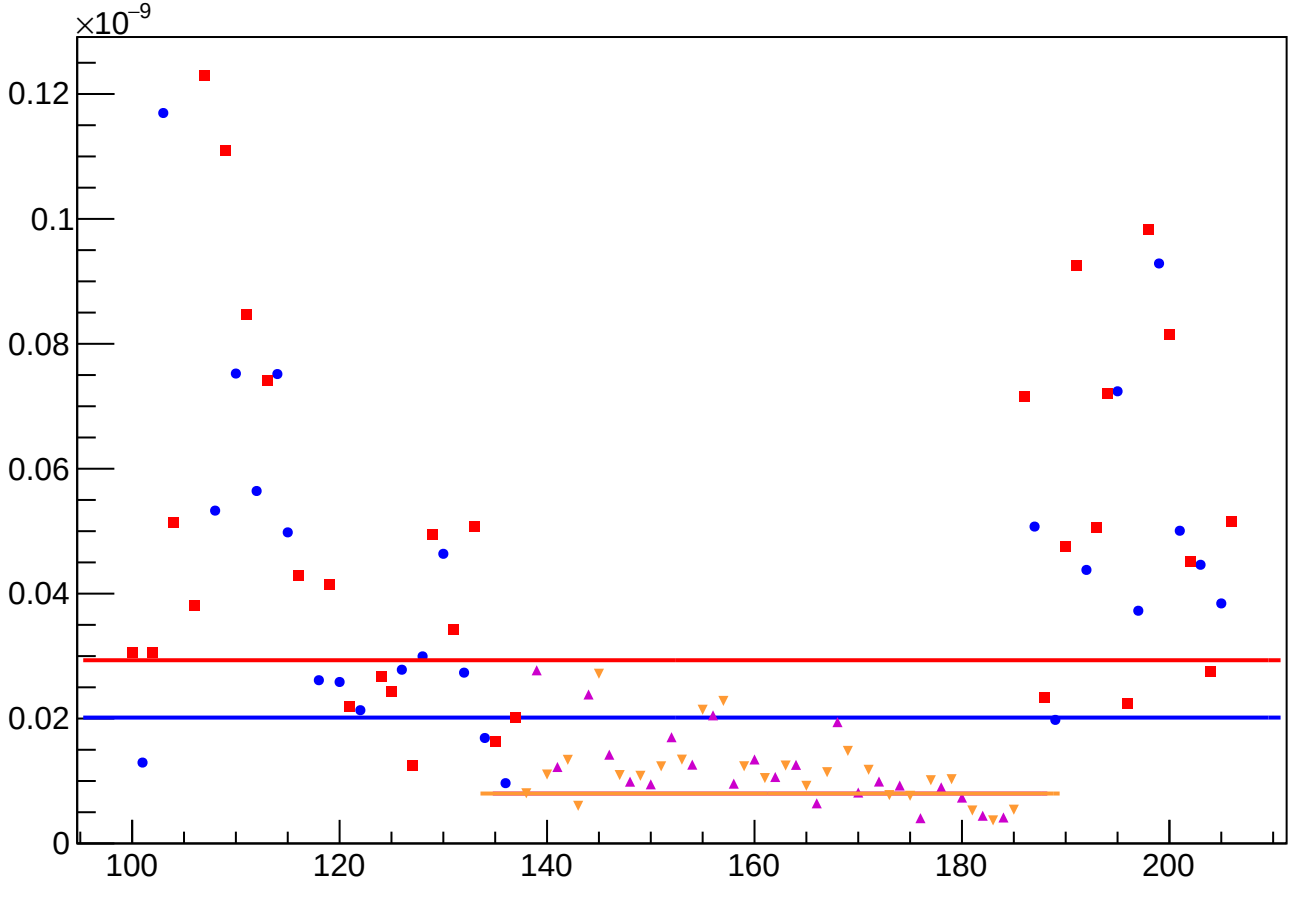
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.2/55

In: -0.000+/-0.000 χ^2/NDF:75.9/47

Out: 0.000+/-0.000 χ^2/NDF:80.3/55

All: -0.000+/-0.000 χ^2/NDF: 161.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 5509268.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4307329.4/30

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

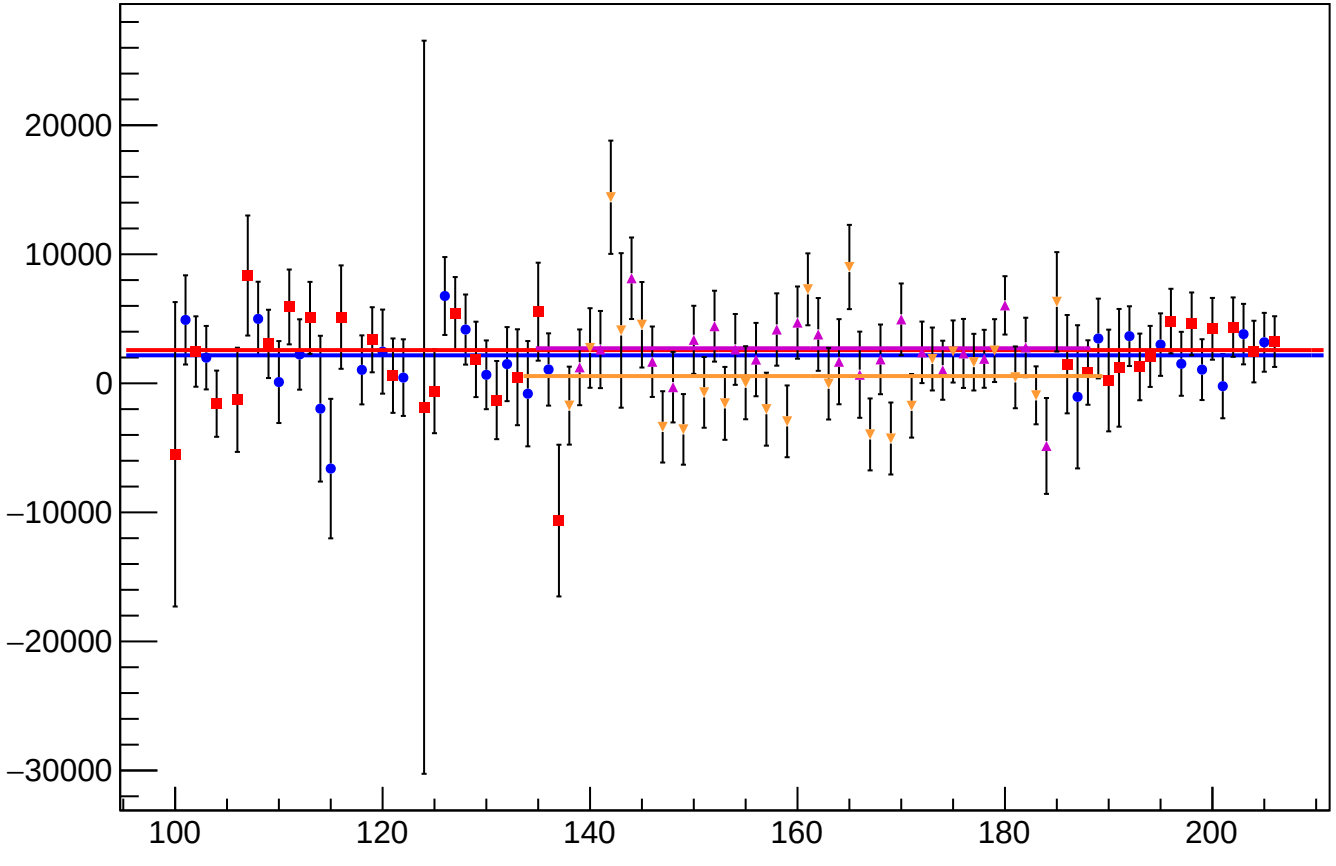
Right: 0.000+/-0.000 χ^2/NDF: 10600123.2/55

In: 0.000+/-0.000 χ^2/NDF:13978437.9/47

Out: 0.000+/-0.000 χ^2/NDF:15821308.7/55

All: 0.000+/-0.000 χ^2/NDF: 29800579.1/103

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2169.234+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2574.419+/-531.049 χ^2/NDF: 22.4/30

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

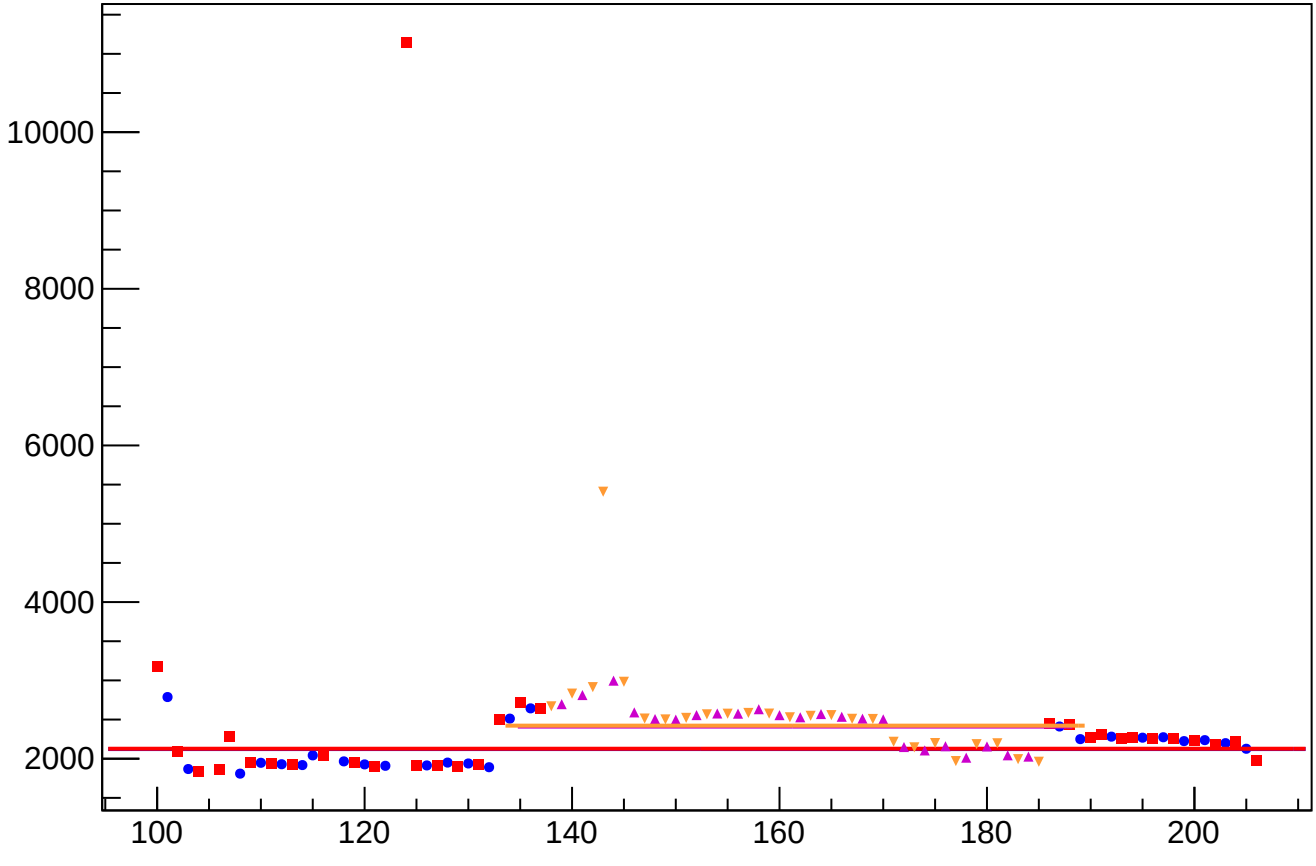
Right: 2385.915+/-388.345 χ^2/NDF: 35.2/55

In: 2444.236+/-401.476 χ^2/NDF:27.3/47

Out: 1616.936+/-384.459 χ^2/NDF:73.1/55

All: 2012.682+/-277.675 χ^2/NDF: 102.7/103

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.1/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.372+/-0.376 χ^2/NDF: 525864.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

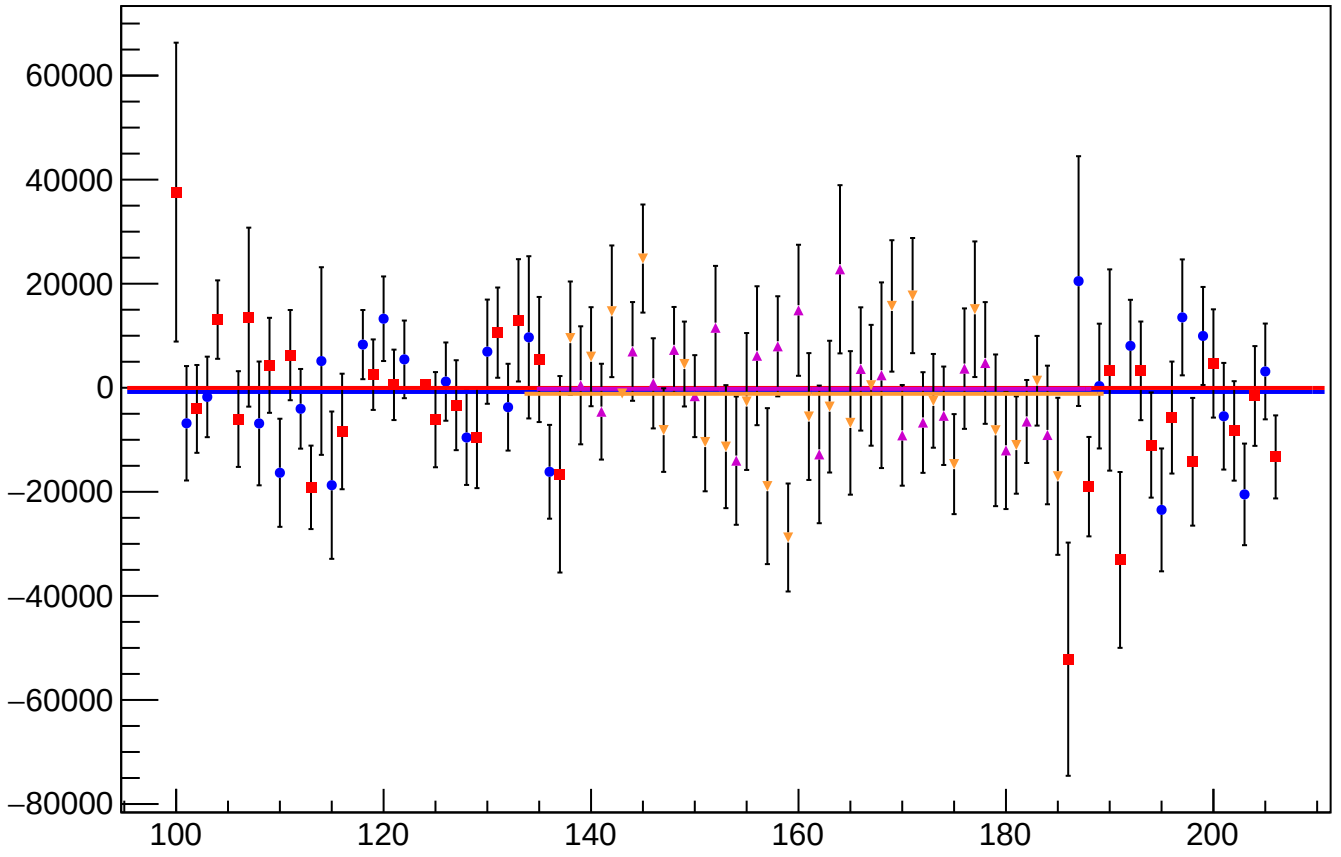
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2125.500+/-0.275 χ^2/NDF: 858808.7/55

In: 2267.380+/-0.284 χ^2/NDF:1015820.4/47

Out: 2267.651+/-0.272 χ^2/NDF:1771982.7/55

All: 2267.522+/-0.196 χ^2/NDF: 2787803.6/10



Right In: -806.666+/-1916.098 χ^2/NDF: 28.2/24

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -36.237+/-746.138 χ^2/NDF: 38.8/30

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

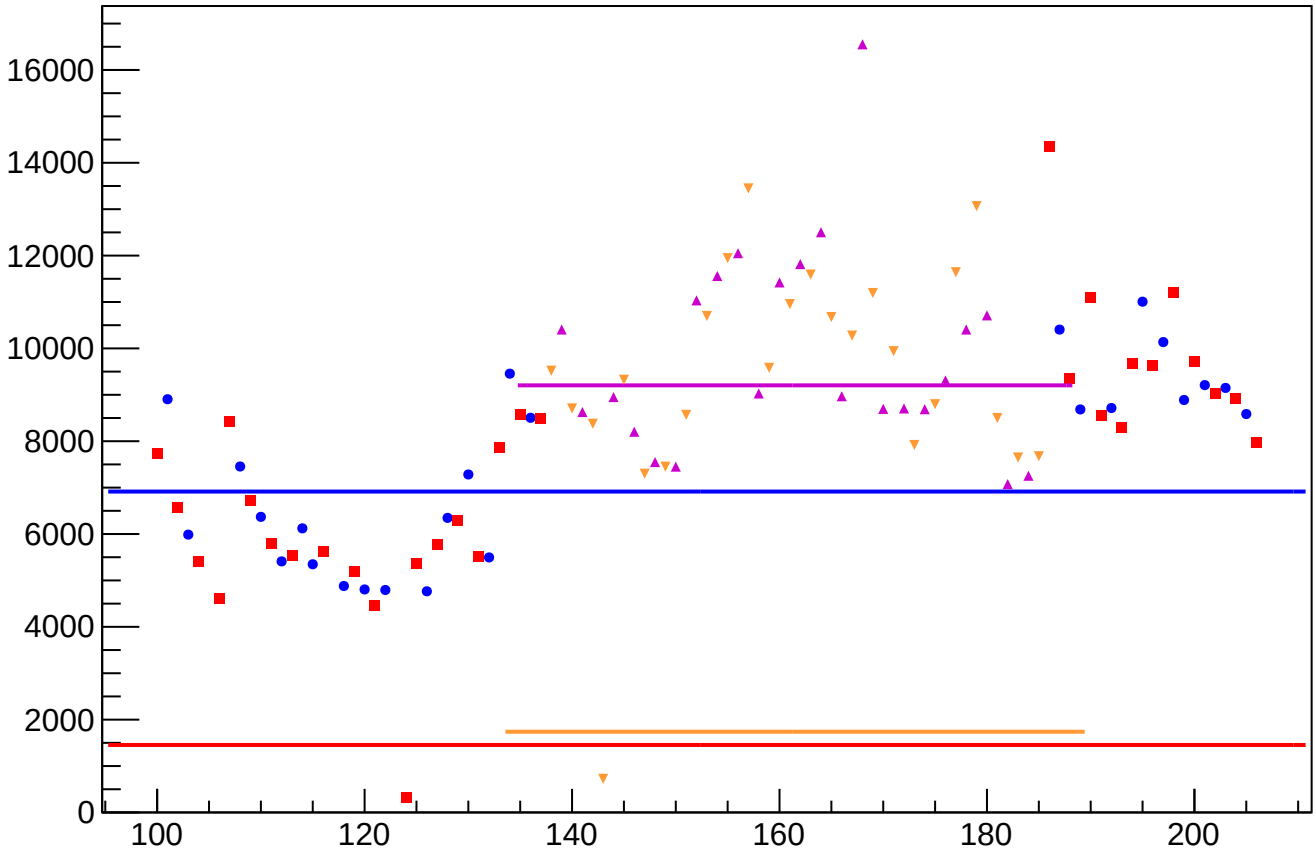
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: -137.679+/-695.283 χ^2/NDF: 67.2/55

In: -548.485+/-1443.501 χ^2/NDF:41.7/47

Out: -588.528+/-531.673 χ^2/NDF:71.9/55

All: -583.745+/-498.908 χ^2/NDF: 113.5/103



Right In: 6915.259+/-1.355 χ^2/NDF: 1974466.3/24

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1454.148+/-0.528 χ^2/NDF: 24894957.3/30

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

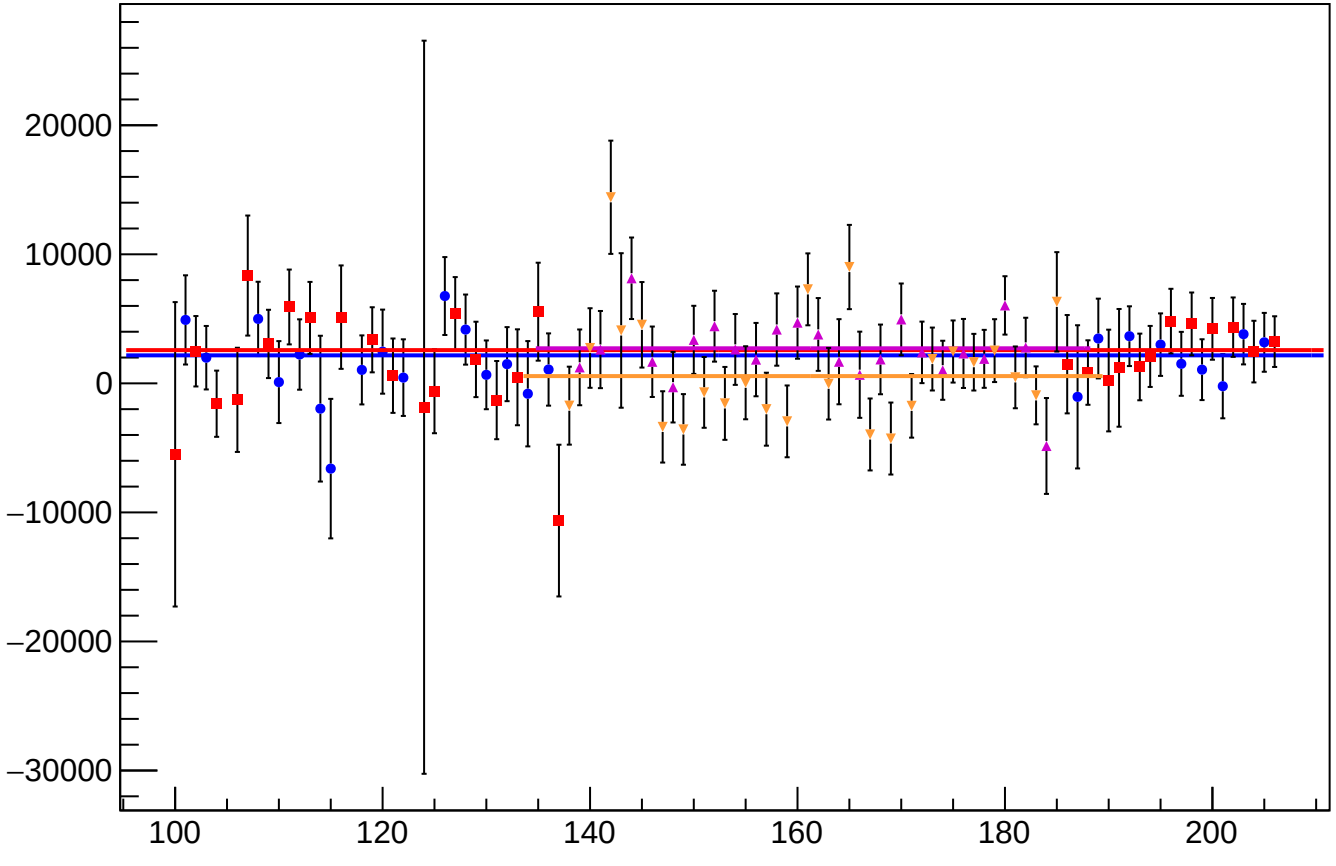
Right: 2173.214+/-0.492 χ^2/NDF: 40976643.4/55

In: 7904.935+/-1.021 χ^2/NDF:4480315.4/47

Out: 1594.706+/-0.376 χ^2/NDF:52773188.7/55

All: 2348.499+/-0.353 χ^2/NDF: 90907526.6/

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2575.313+/-531.052 χ^2/NDF: 22.4/30

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

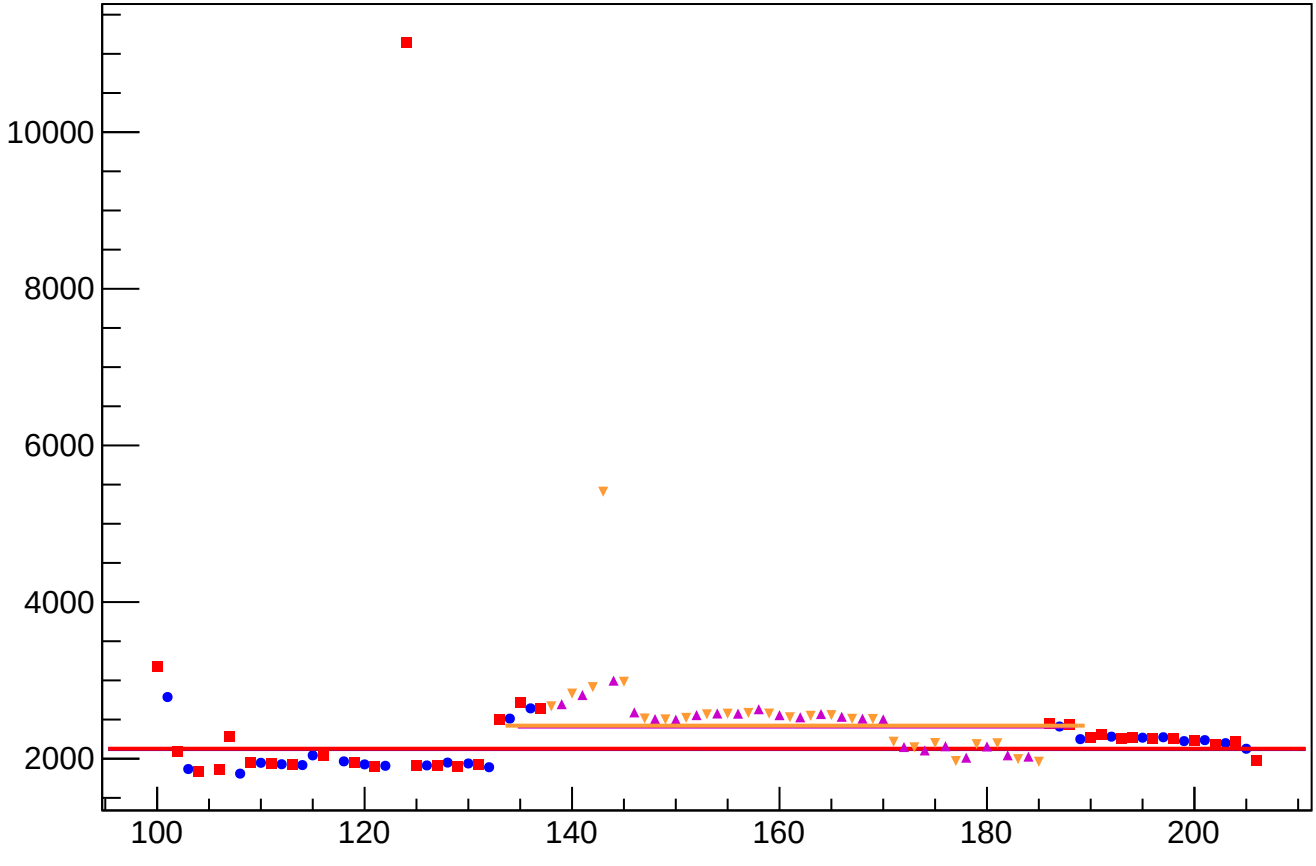
Right: 2386.382+/-388.346 χ^2/NDF: 35.2/55

In: 2444.207+/-401.476 χ^2/NDF:27.3/47

Out: 1617.400+/-384.460 χ^2/NDF:73.1/55

All: 2012.912+/-277.675 χ^2/NDF: 102.7/103

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

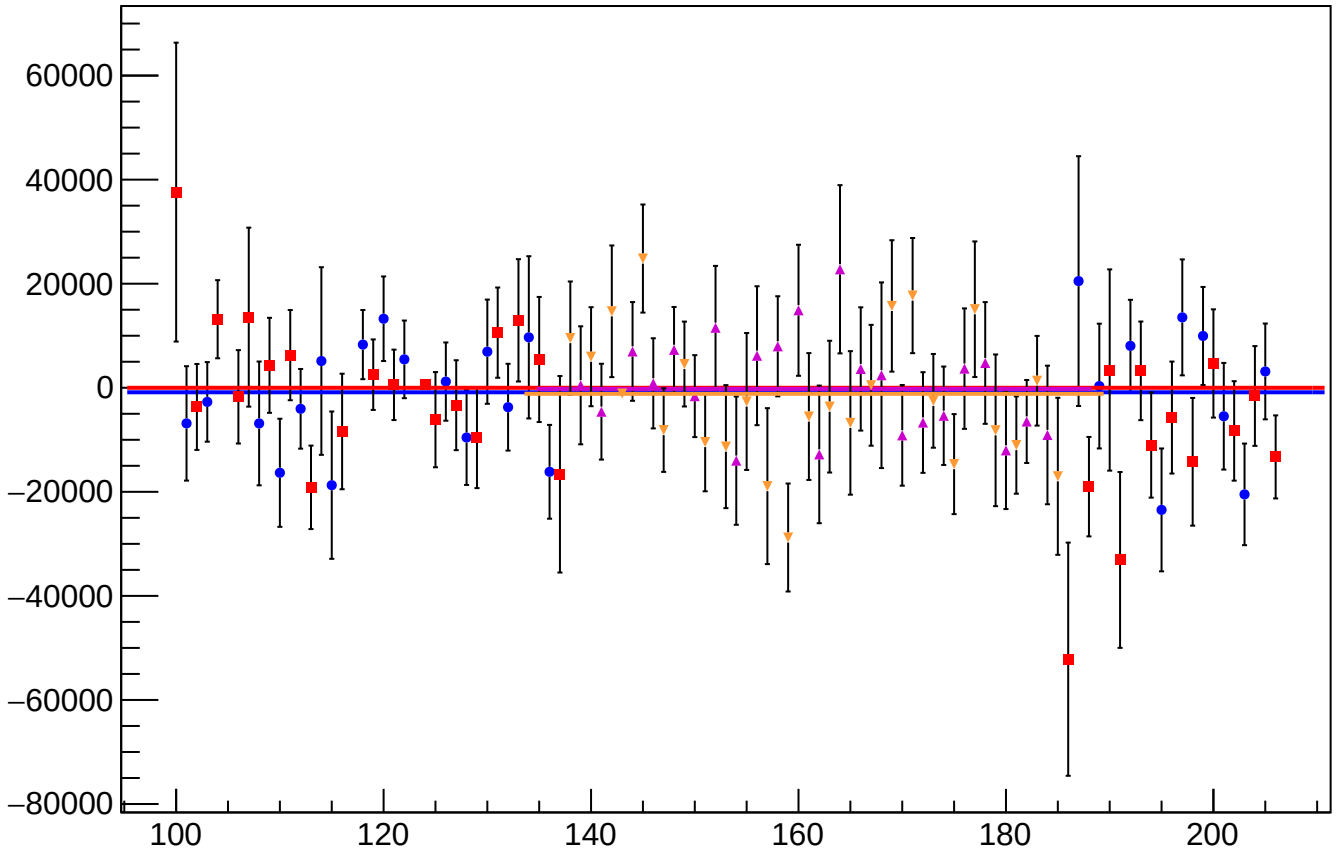
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2125.506+/-0.275 χ^2/NDF: 858803.9/55

In: 2267.380+/-0.284 χ^2/NDF:1015820.5/47

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2267.525+/-0.196 χ^2/NDF: 2787774.1/10



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -4.374+/-745.827 χ^2/NDF: 38.4/30

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

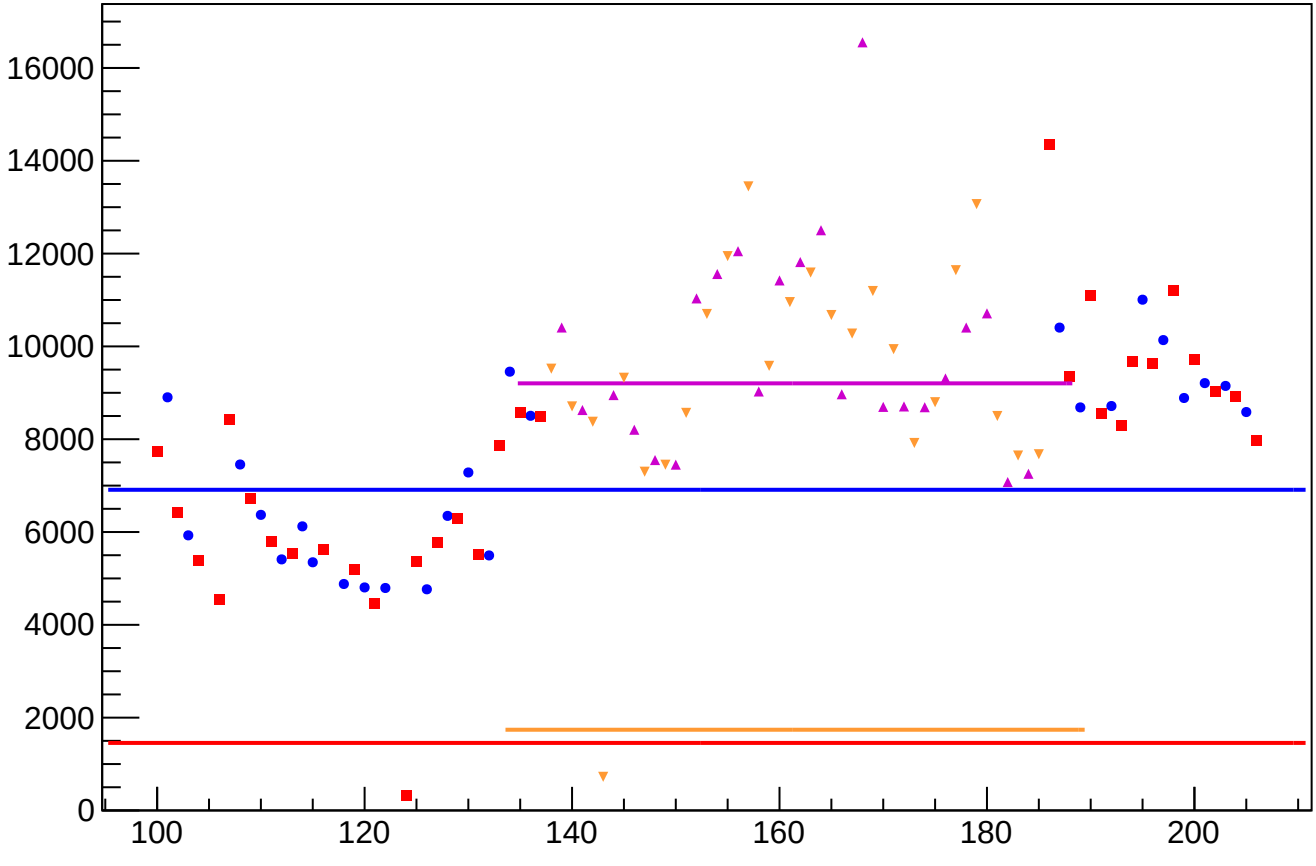
Right: -118.252+/-694.964 χ^2/NDF: 66.9/55

In: -583.904+/-1442.902 χ^2/NDF:41.7/47

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -573.458+/-498.772 χ^2/NDF: 113.3/103

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

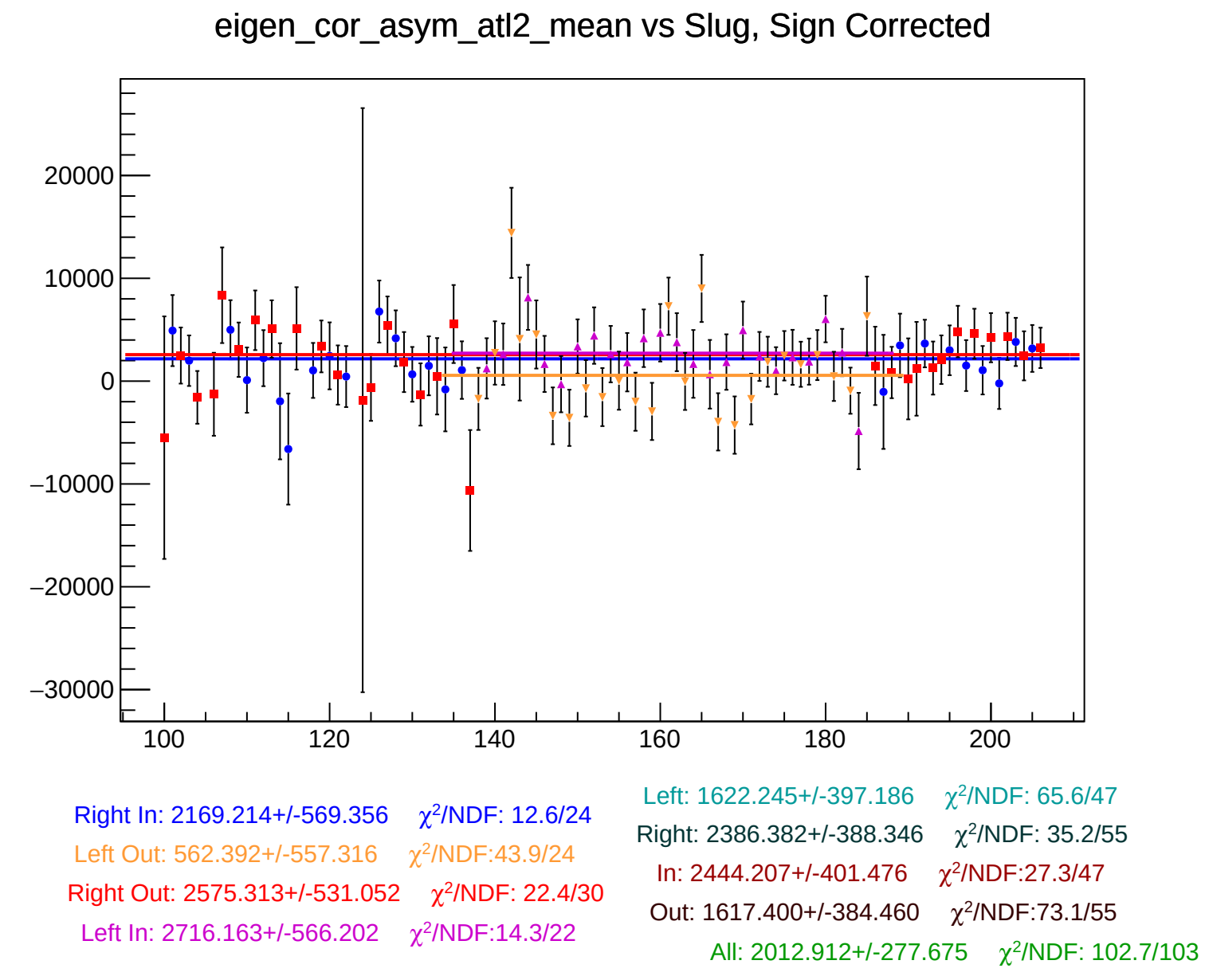
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2174.016+/-0.491 χ^2/NDF: 40959311.0/55

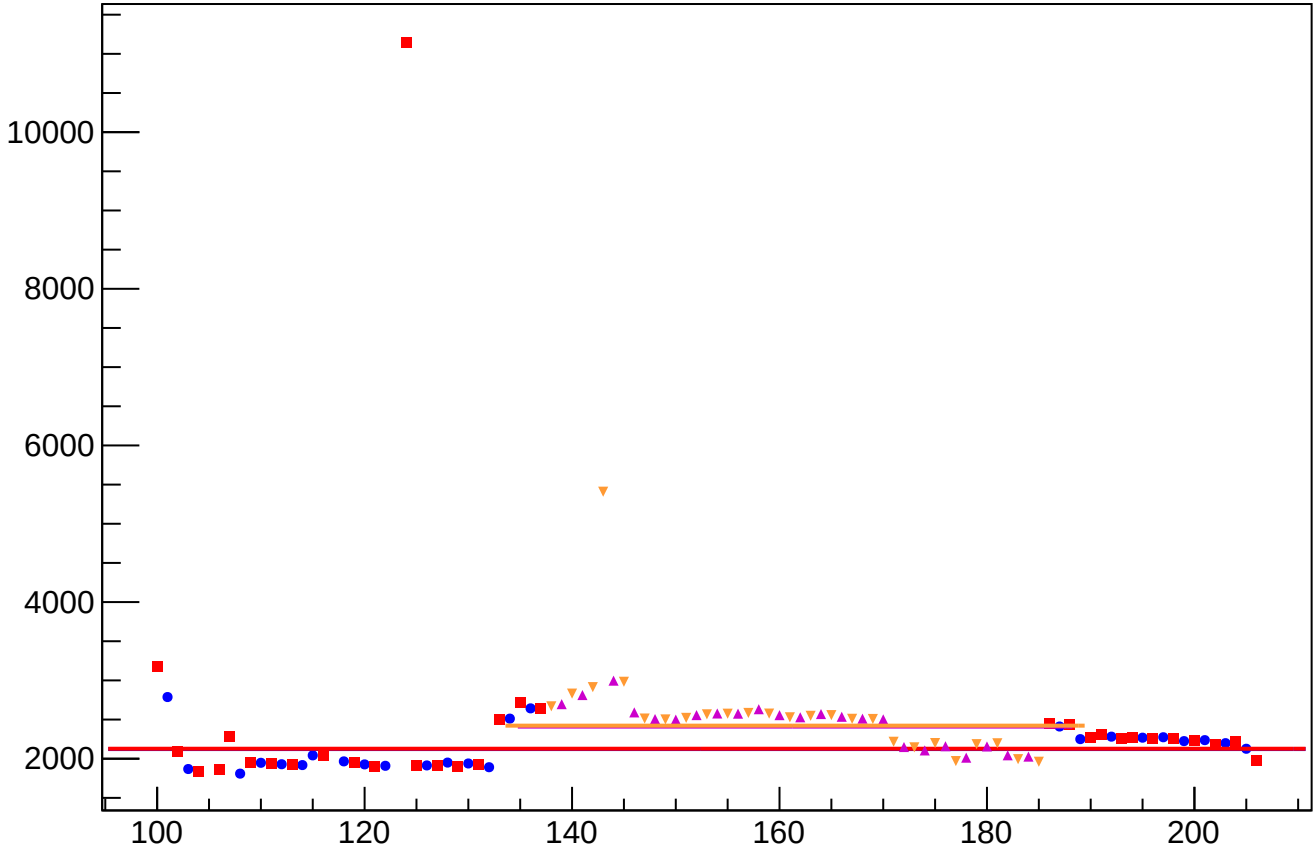
In: 7901.244+/-1.020 χ^2/NDF:4490946.1/47

Out: 1595.172+/-0.376 χ^2/NDF:52764130.3/55

All: 2348.683+/-0.353 χ^2/NDF: 90891394.6/


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2169.214+/-569.356 χ²/NDF: 12.6/24
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2575.313+/-531.052 χ²/NDF: 22.4/30
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2386.382+/-388.346 χ²/NDF: 35.2/55
In: 2444.207+/-401.476 χ²/NDF:27.3/47
Out: 1617.400+/-384.460 χ²/NDF:73.1/55
All: 2012.912+/-277.675 χ²/NDF: 102.7/103

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

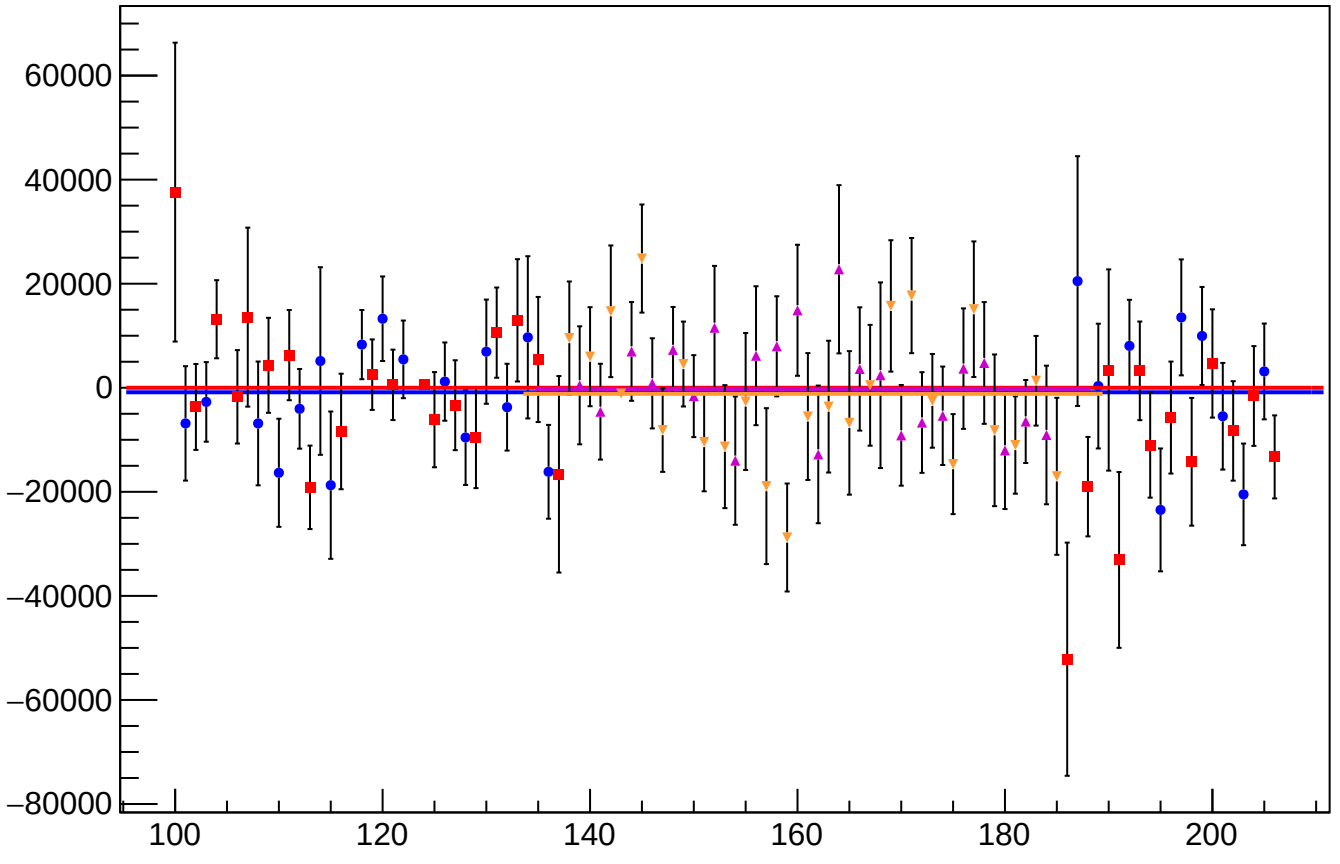
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2125.506+/-0.275 χ^2/NDF: 858803.9/55

In: 2267.380+/-0.284 χ^2/NDF:1015820.5/47

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2267.525+/-0.196 χ^2/NDF: 2787774.1/10



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -4.374+/-745.827 χ^2/NDF: 38.4/30

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

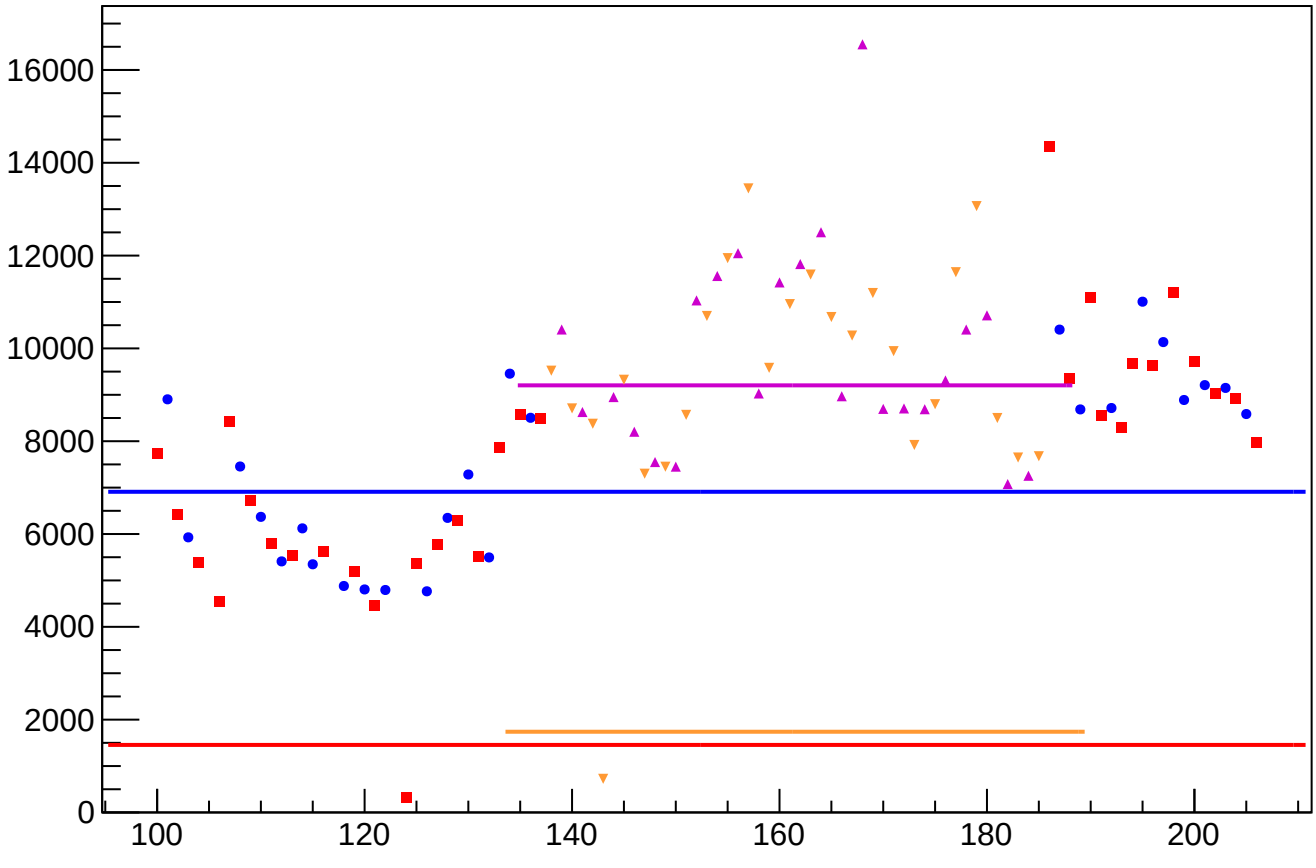
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -118.252+/-694.964 χ^2/NDF: 66.9/55

In: -583.904+/-1442.902 χ^2/NDF:41.7/47

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -573.458+/-498.772 χ^2/NDF: 113.3/103



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

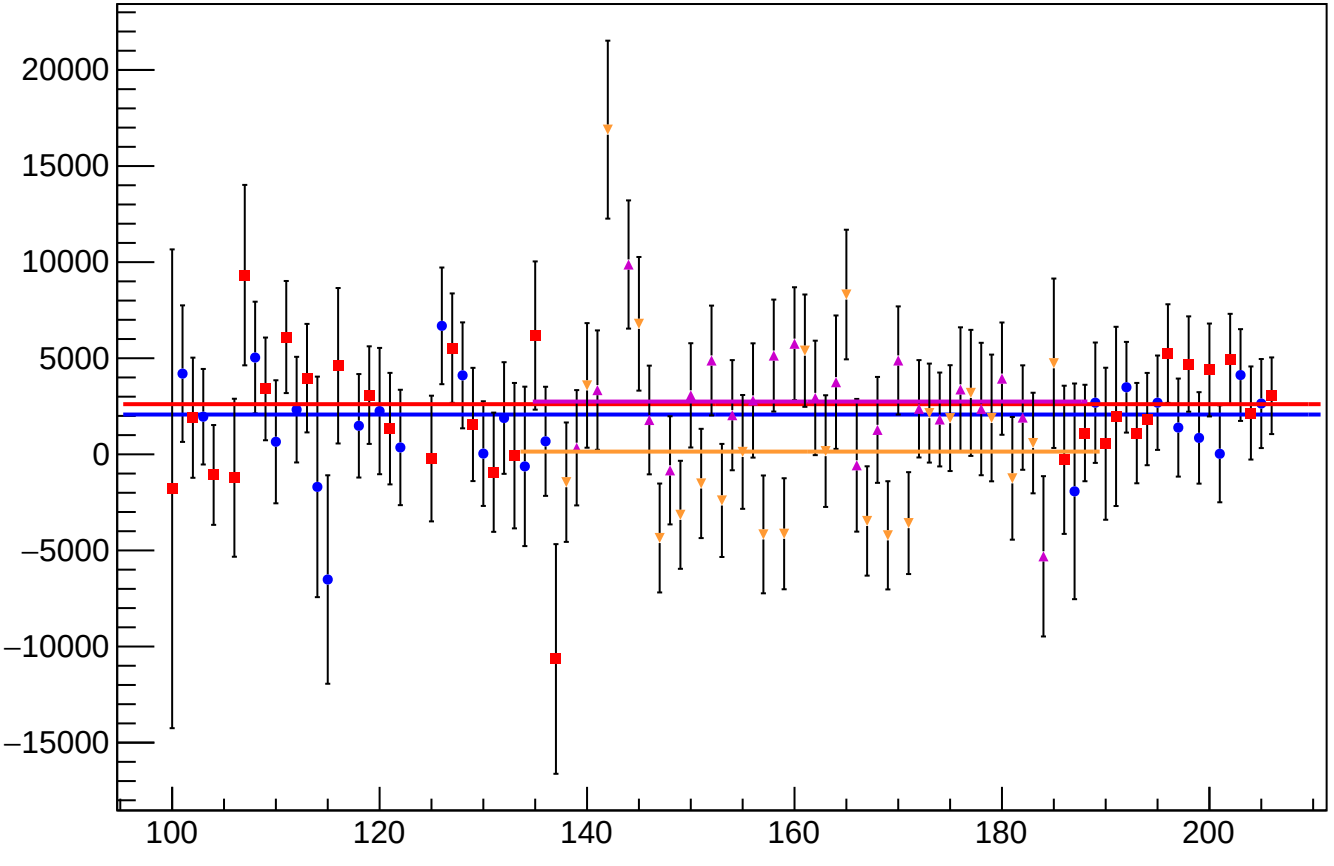
Right: 2174.016+/-0.491 χ^2/NDF: 40959311.0/55

In: 7901.244+/-1.020 χ^2/NDF:4490946.1/47

Out: 1595.172+/-0.376 χ^2/NDF:52764130.3/55

All: 2348.683+/-0.353 χ^2/NDF: 90891394.6/

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2070.948+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2610.162+/-540.450 χ^2/NDF: 21.8/29

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

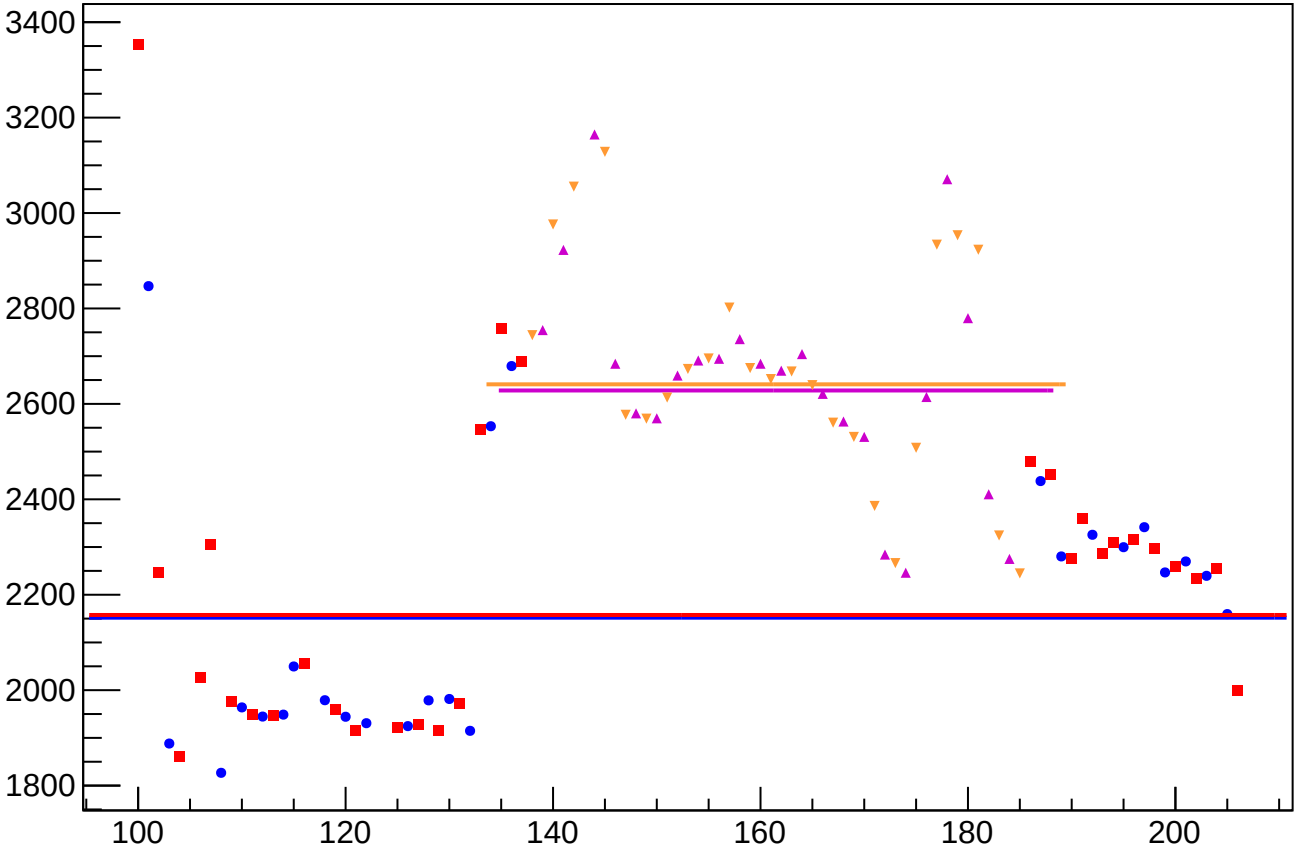
Right: 2358.360+/-394.573 χ^2/NDF: 34.1/54

In: 2386.588+/-421.309 χ^2/NDF:27.8/47

Out: 1536.326+/-406.178 χ^2/NDF:76.7/53

All: 1945.915+/-292.414 χ^2/NDF: 106.7/101

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.962+/-0.408 χ^2/NDF: 348673.9/24

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333058.8/29

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

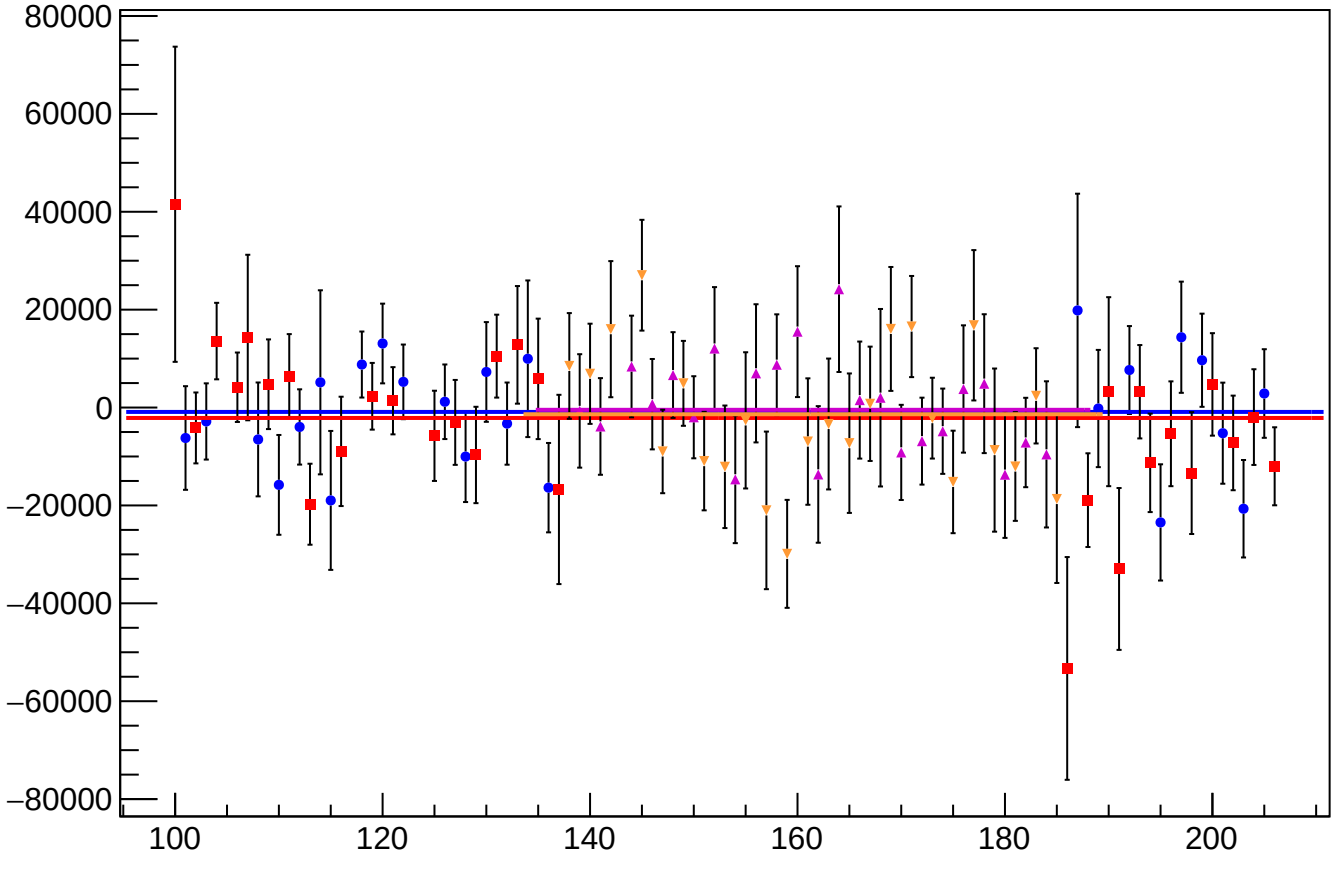
Right: 2154.961+/-0.279 χ^2/NDF: 681833.9/54

In: 2374.606+/-0.298 χ^2/NDF:1222142.9/47

Out: 2367.769+/-0.287 χ^2/NDF:1283206.7/53

All: 2371.061+/-0.207 χ^2/NDF: 2505622.7/10

asym_atl2_dit_correction_mean vs Slug, Sign Corrected



Right In: -895.290+/-1929.486 χ^2/NDF: 27.9/24

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -2127.965+/-1774.940 χ^2/NDF: 36.4/29

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

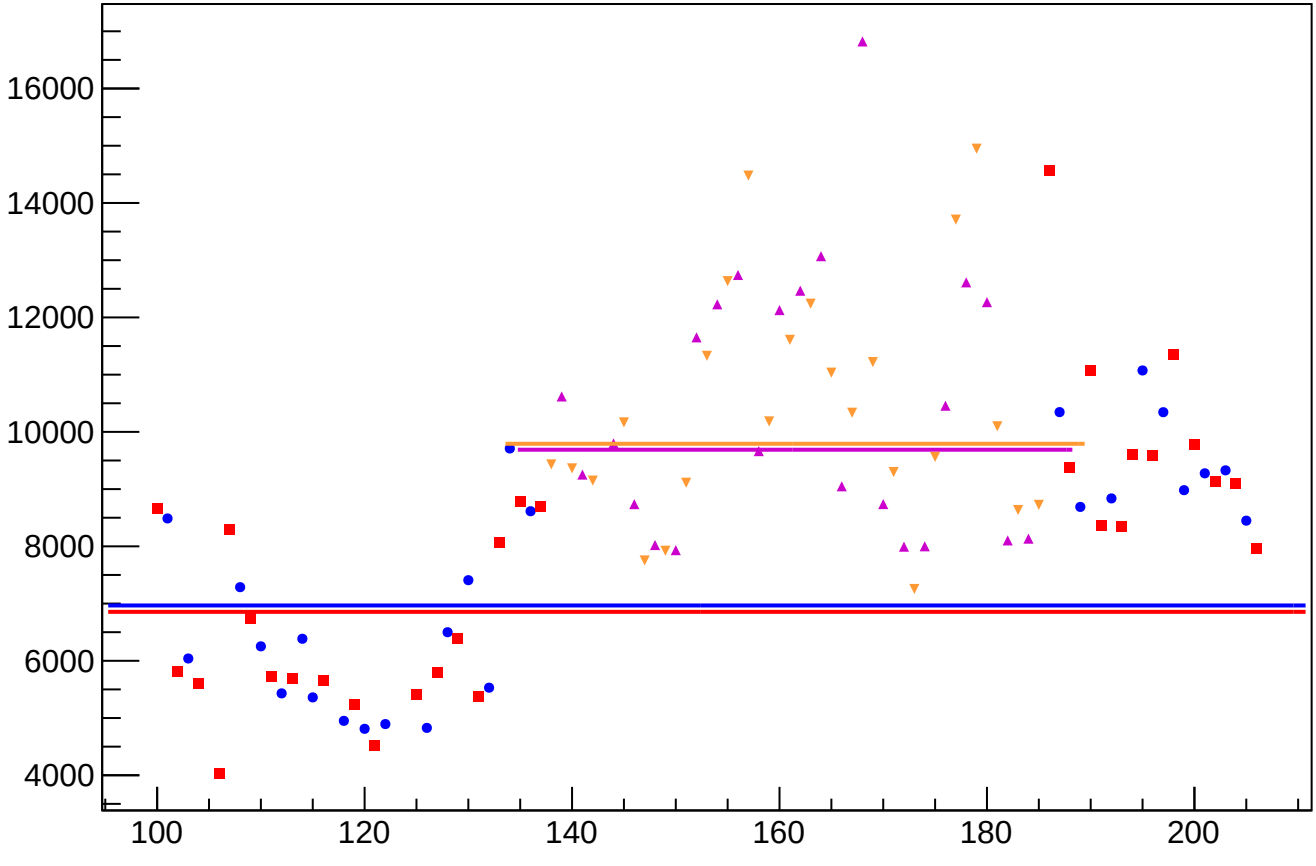
Right: -1562.965+/-1306.297 χ^2/NDF: 64.5/54

In: -718.358+/-1482.035 χ^2/NDF:41.0/47

Out: -1847.908+/-1411.104 χ^2/NDF:67.7/53

All: -1310.810+/-1021.957 χ^2/NDF: 109.0/10

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6966.893+/-1.364 χ^2/NDF: 1943536.6/24

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6855.438+/-1.255 χ^2/NDF: 2583801.4/29

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

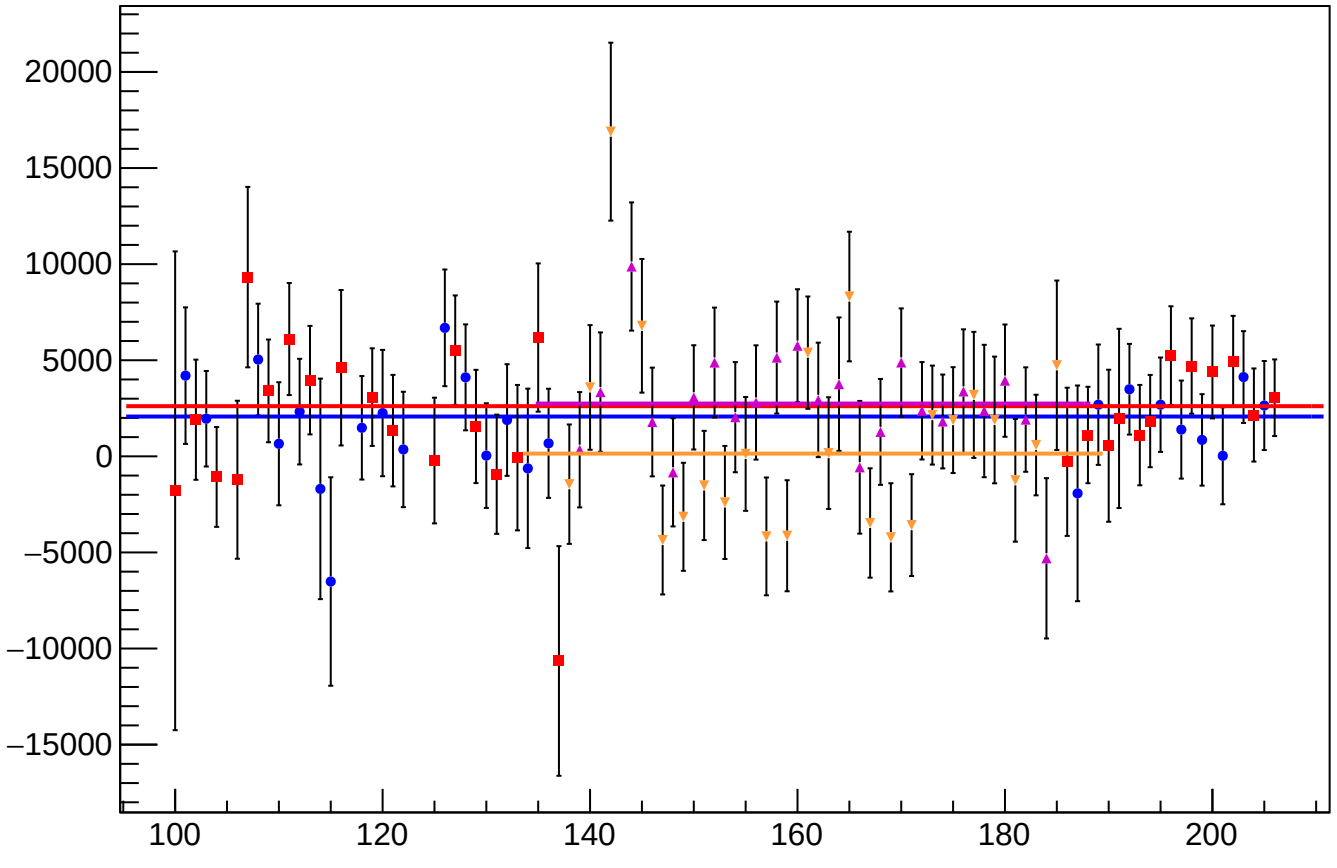
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6906.524+/-0.924 χ^2/NDF: 4530952.7/54

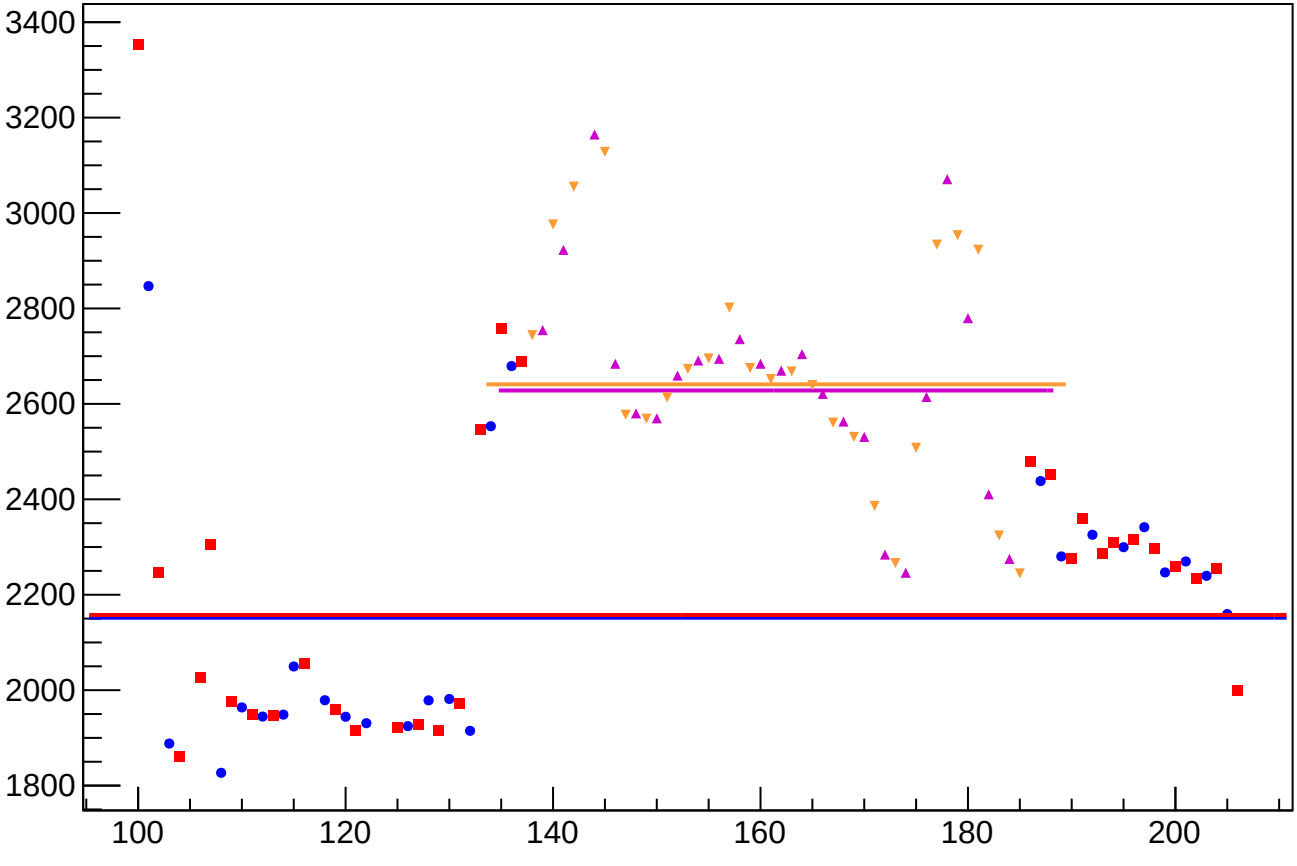
In: 8082.689+/-1.048 χ^2/NDF:4952903.7/47

Out: 7936.036+/-0.998 χ^2/NDF:5817518.9/53

All: 8005.769+/-0.723 χ^2/NDF: 10780694.4/1


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2070.945+/-577.402 χ²/NDF: 11.8/24
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2610.160+/-540.450 χ²/NDF: 21.8/29
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2358.358+/-394.573 χ²/NDF: 34.1/54
In: 2386.585+/-421.309 χ²/NDF:27.8/47
Out: 1536.322+/-406.179 χ²/NDF:76.7/53
All: 1945.912+/-292.414 χ²/NDF: 106.7/101

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.962+/-0.408 χ^2/NDF: 348674.1/24

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333059.6/29

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

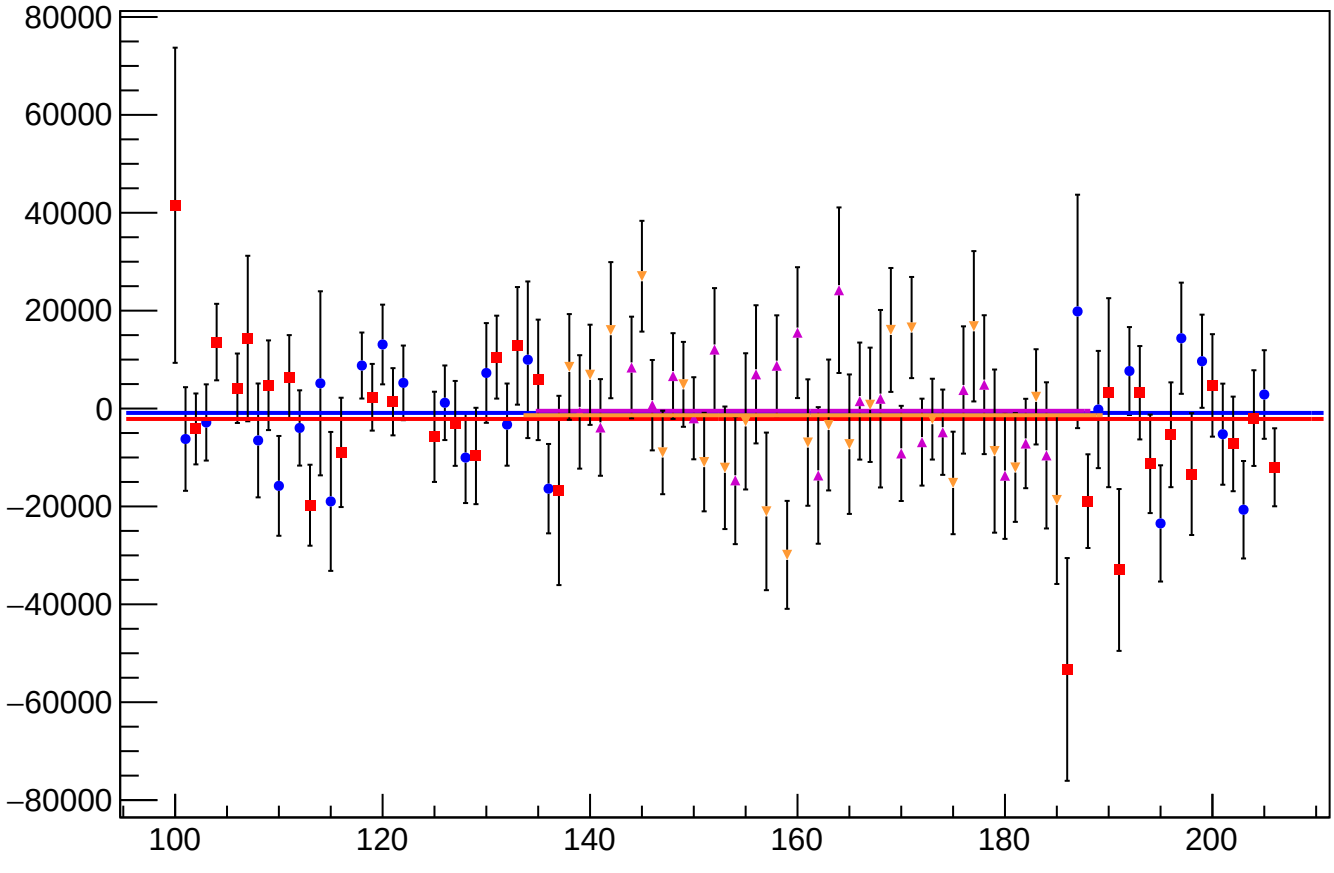
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2154.961+/-0.279 χ^2/NDF: 681834.8/54

In: 2374.607+/-0.298 χ^2/NDF:1222157.3/47

Out: 2367.770+/-0.287 χ^2/NDF:1283222.5/53

All: 2371.062+/-0.207 χ^2/NDF: 2505653.0/10



Right In: -895.279+/-1929.483 χ^2/NDF: 27.9/24

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -2127.950+/-1774.937 χ^2/NDF: 36.4/29

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

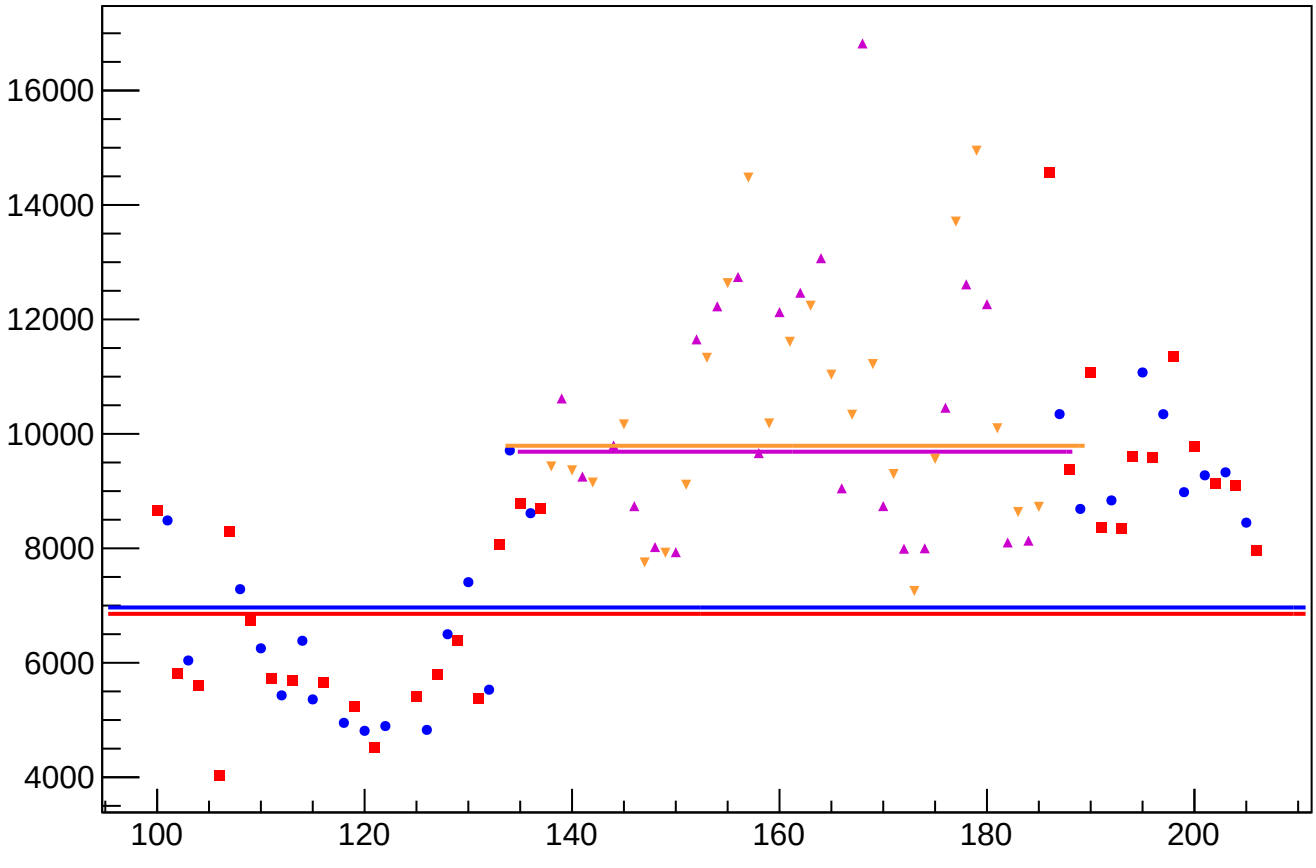
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1562.952+/-1306.295 χ^2/NDF: 64.5/54

In: -718.353+/-1482.034 χ^2/NDF:41.0/47

Out: -1847.903+/-1411.103 χ^2/NDF:67.7/53

All: -1310.805+/-1021.957 χ^2/NDF: 109.0/10



Right In: 6966.878+/-1.364 χ^2/NDF: 1943571.0/24

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6855.425+/-1.255 χ^2/NDF: 2583834.3/29

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

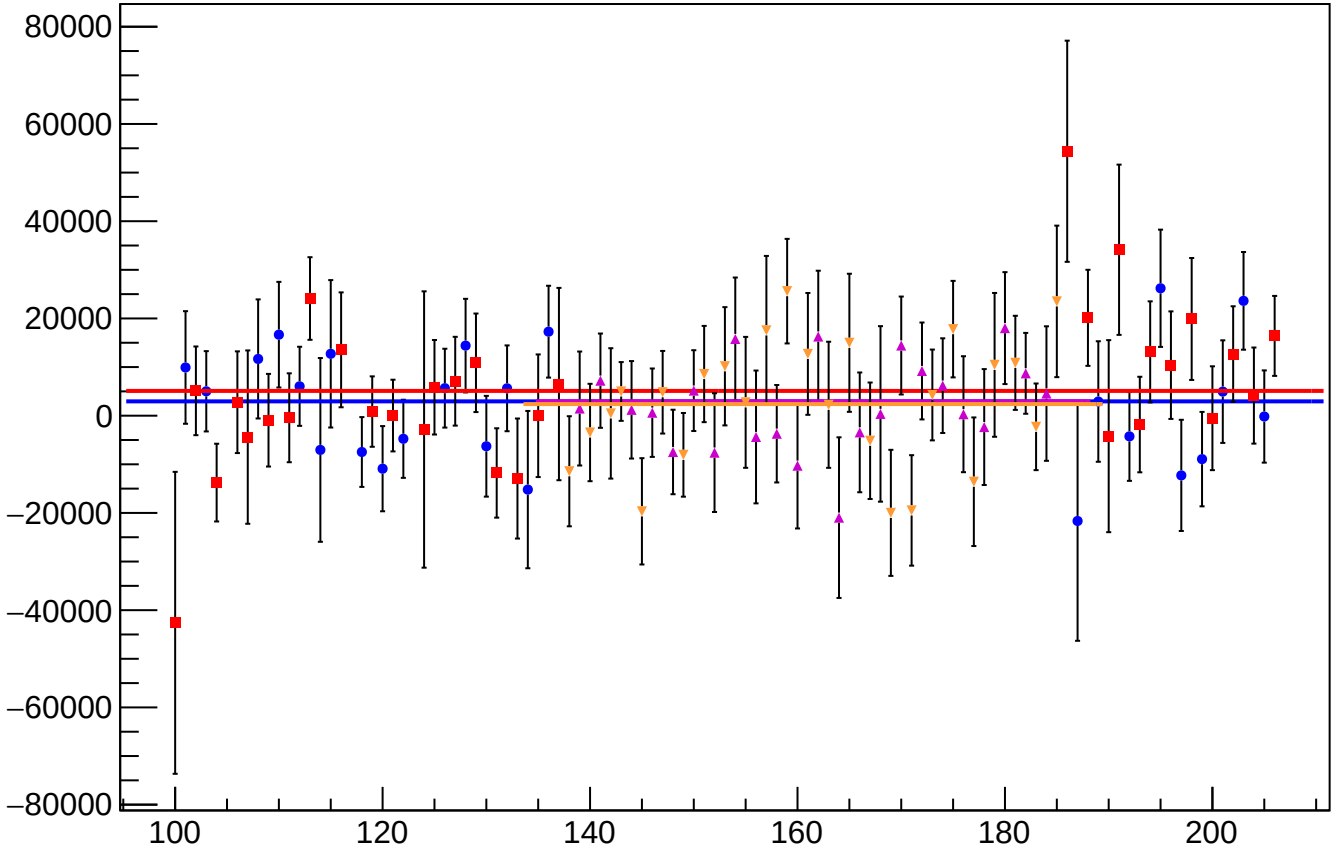
Right: 6906.510+/-0.924 χ^2/NDF: 4531019.8/54

In: 8082.682+/-1.048 χ^2/NDF:4952975.9/47

Out: 7936.030+/-0.998 χ^2/NDF:5817590.5/53

All: 8005.763+/-0.723 χ^2/NDF: 10780838.0/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2947.502+/-2016.672 χ^2/NDF: 27.8/24

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 5095.723+/-1891.326 χ^2/NDF: 37.0/30

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

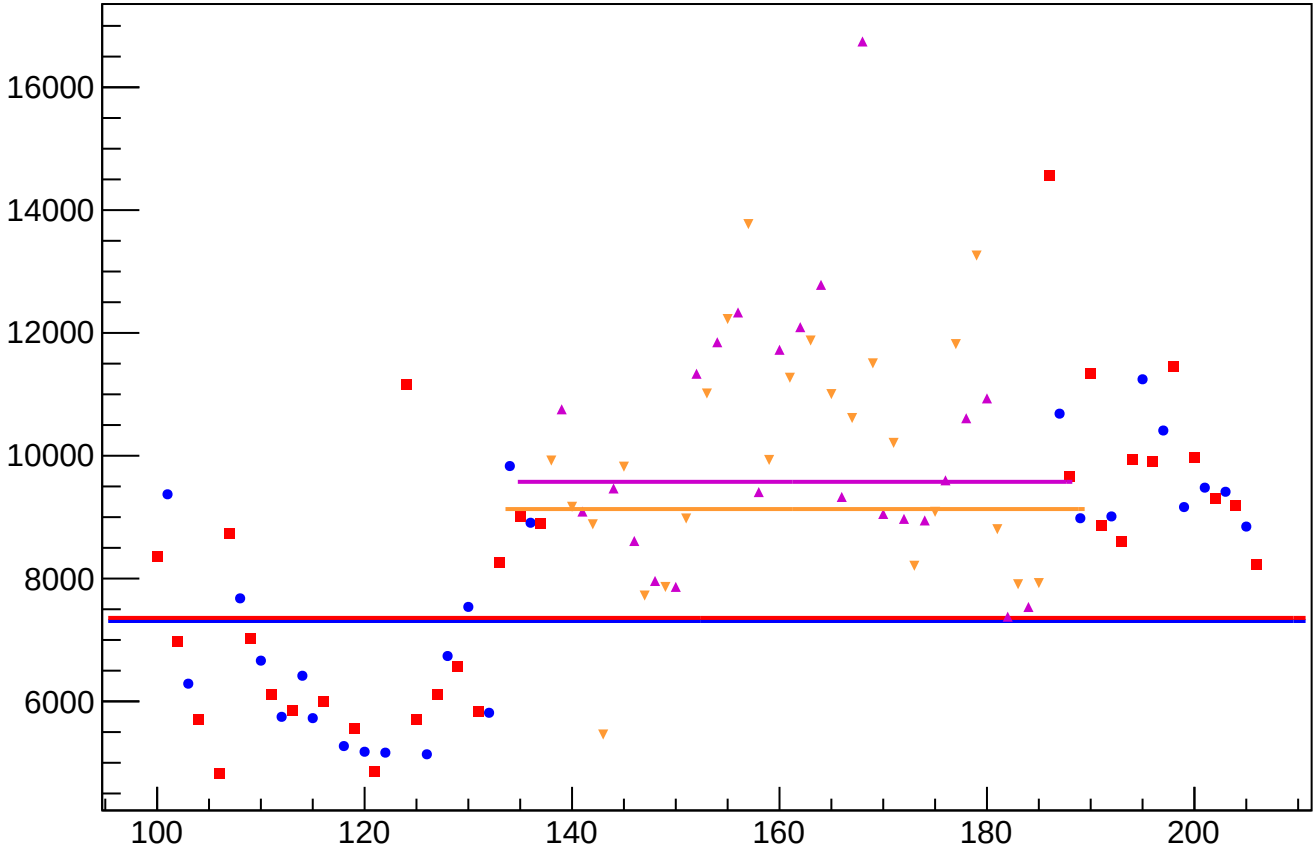
Right: 4090.444+/-1379.555 χ^2/NDF: 65.4/55

In: 2954.545+/-1510.251 χ^2/NDF:40.8/47

Out: 3906.028+/-1416.163 χ^2/NDF:67.6/55

All: 3460.846+/-1033.040 χ^2/NDF: 108.6/103

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7308.926+/-1.426 χ^2/NDF: 1740720.3/24

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7359.320+/-1.337 χ^2/NDF: 2127962.8/30

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

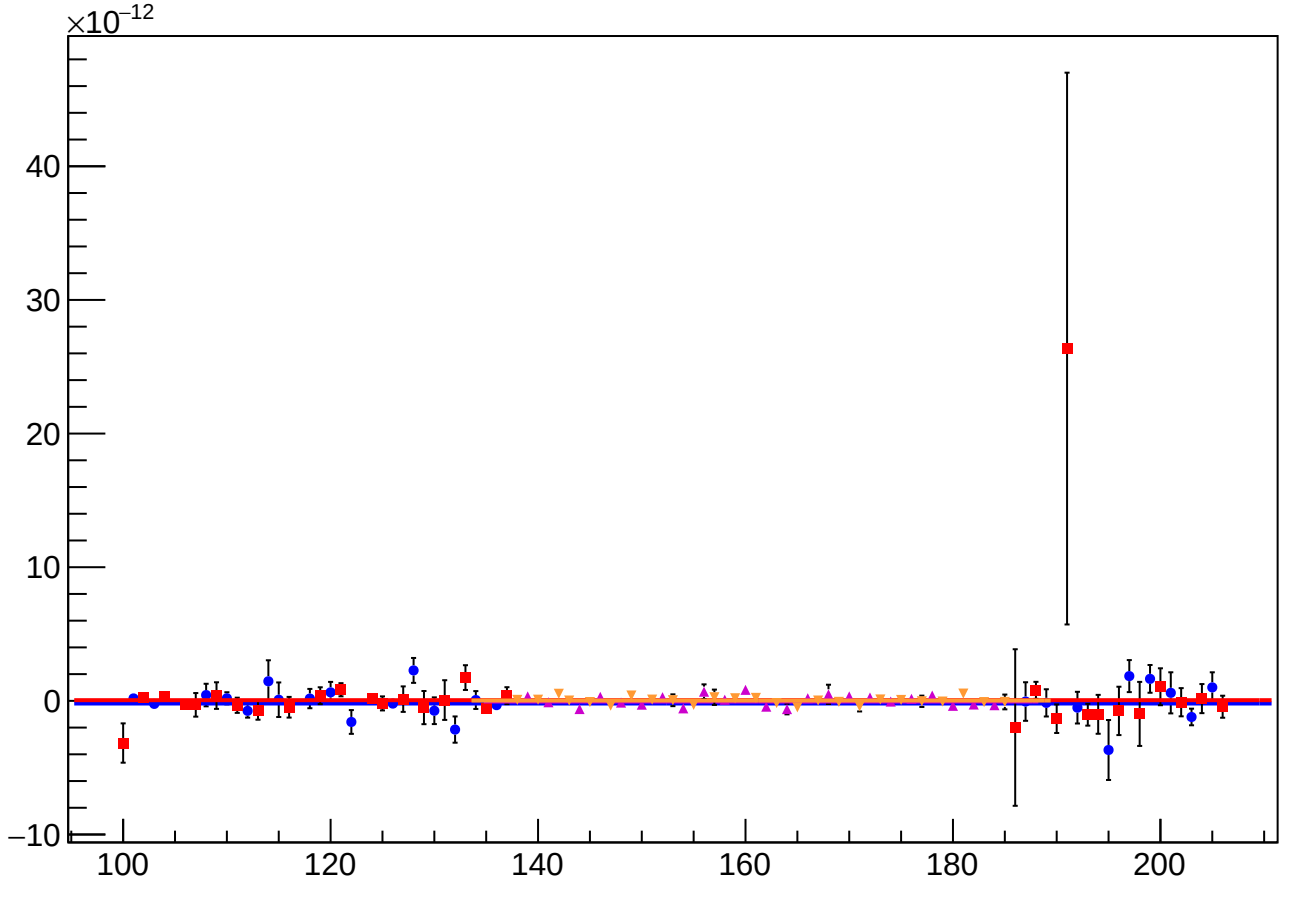
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7335.738+/-0.975 χ^2/NDF: 3869347.6/55

In: 8304.229+/-1.068 χ^2/NDF:4003786.4/47

Out: 8138.016+/-1.001 χ^2/NDF:4711285.1/55

All: 8215.784+/-0.730 χ^2/NDF: 8727962.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

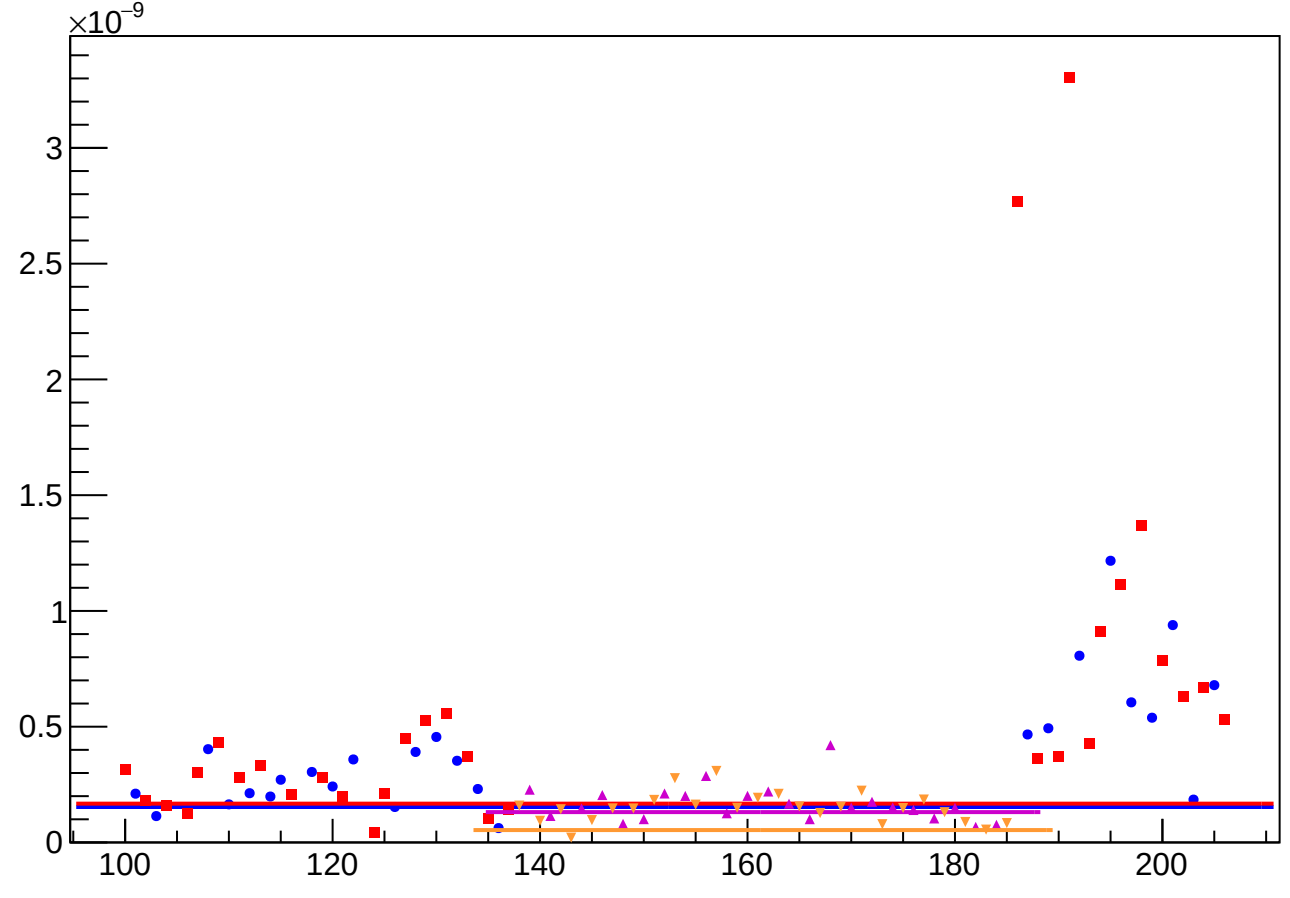
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 66.5/55

In: -0.000+/-0.000 χ^2/NDF:72.3/47

Out: 0.000+/-0.000 χ^2/NDF:47.2/55

All: -0.000+/-0.000 χ^2/NDF: 124.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 4744800.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6626185.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

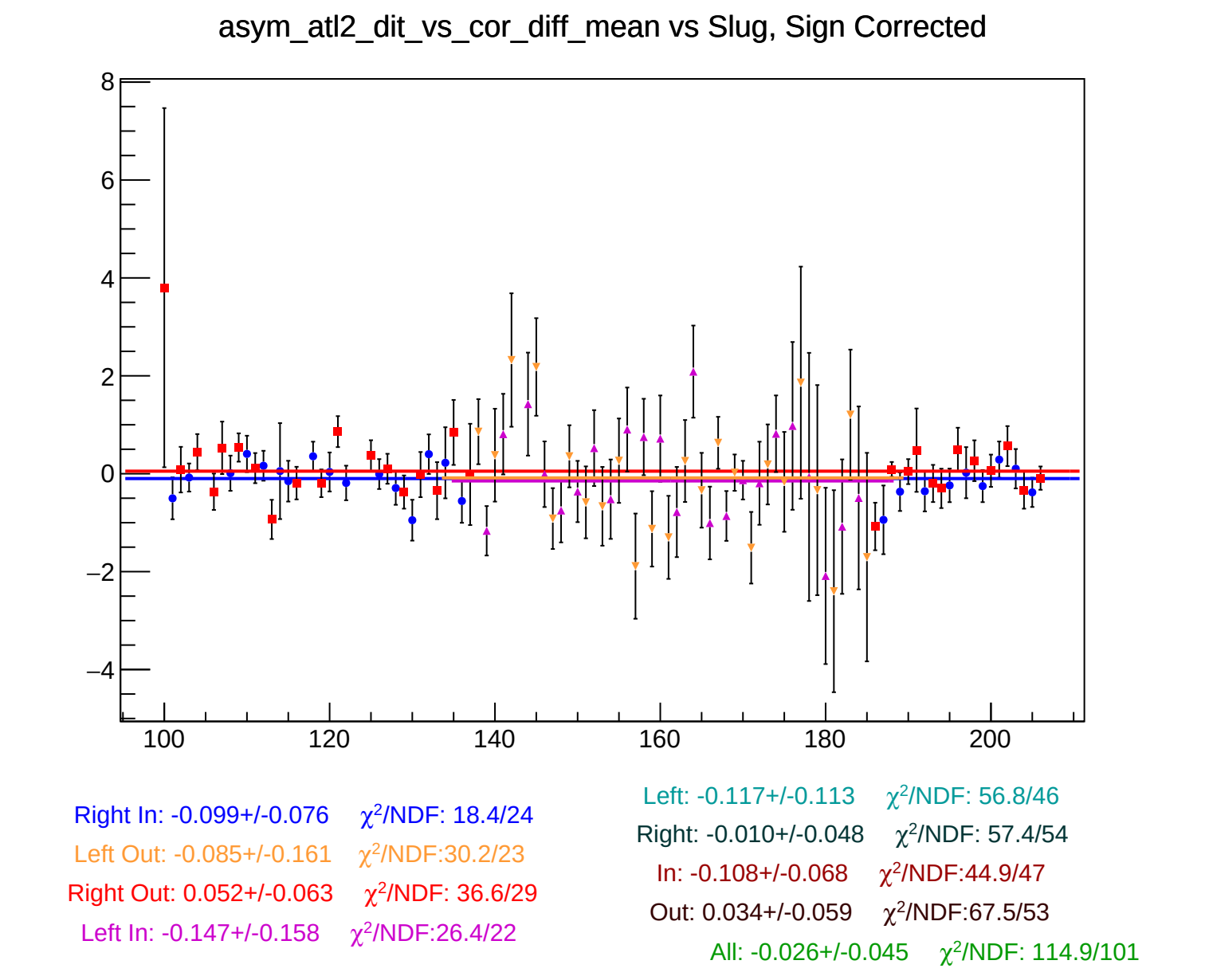
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11395723.7/55

In: 0.000+/-0.000 χ^2/NDF:6733833.3/47

Out: 0.000+/-0.000 χ^2/NDF:16670724.5/55

All: 0.000+/-0.000 χ^2/NDF: 26911158.6/103


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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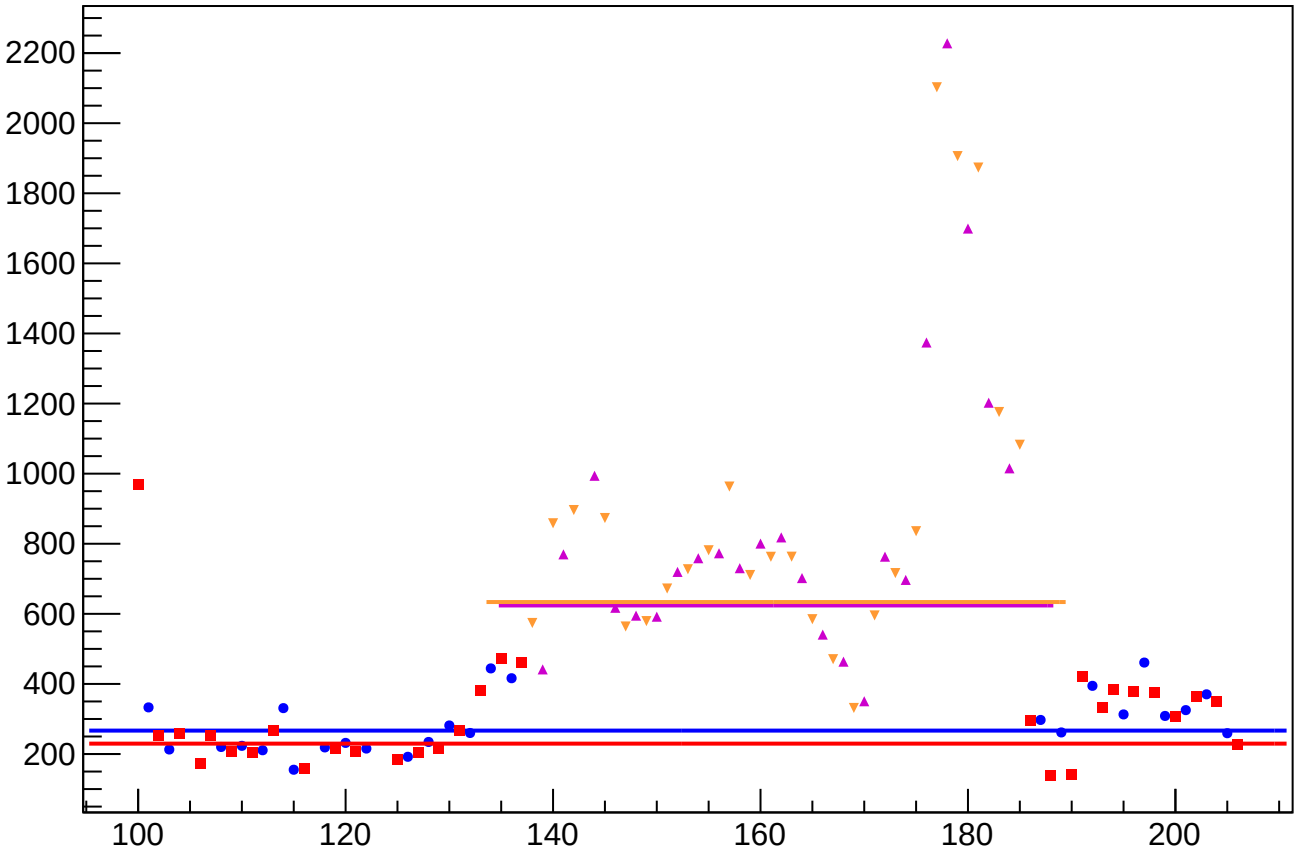
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.010+/-0.048 χ²/NDF: 57.4/54
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.026+/-0.045 χ²/NDF: 114.9/101



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

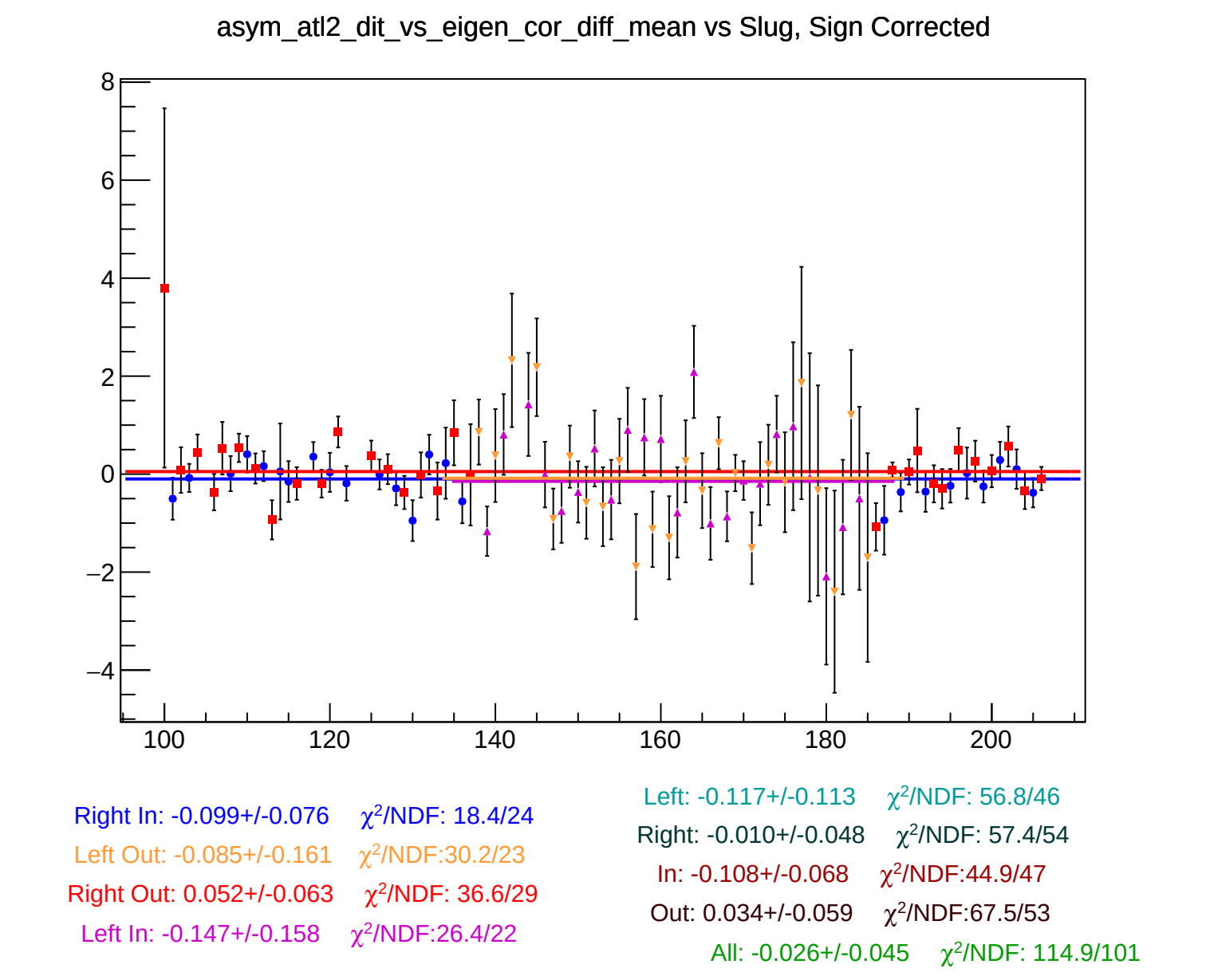
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 244.872+/-0.034 χ^2/NDF: 5413941.1/54

In: 333.455+/-0.048 χ^2/NDF:14548366.8/47

Out: 283.158+/-0.042 χ^2/NDF:19272057.4/53

All: 304.535+/-0.032 χ^2/NDF: 34443419.9/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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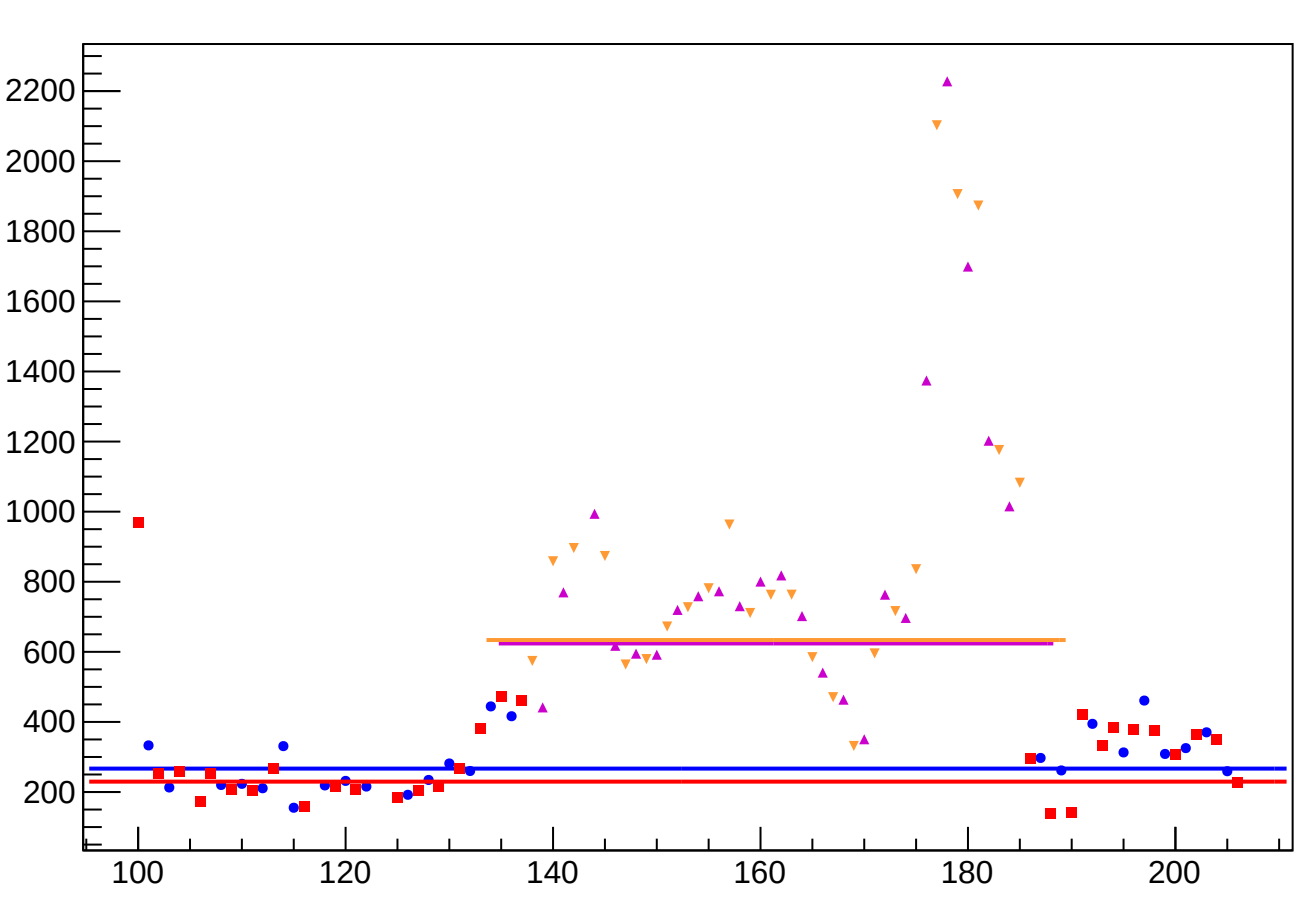
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.010+/-0.048 χ²/NDF: 57.4/54
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.026+/-0.045 χ²/NDF: 114.9/101



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

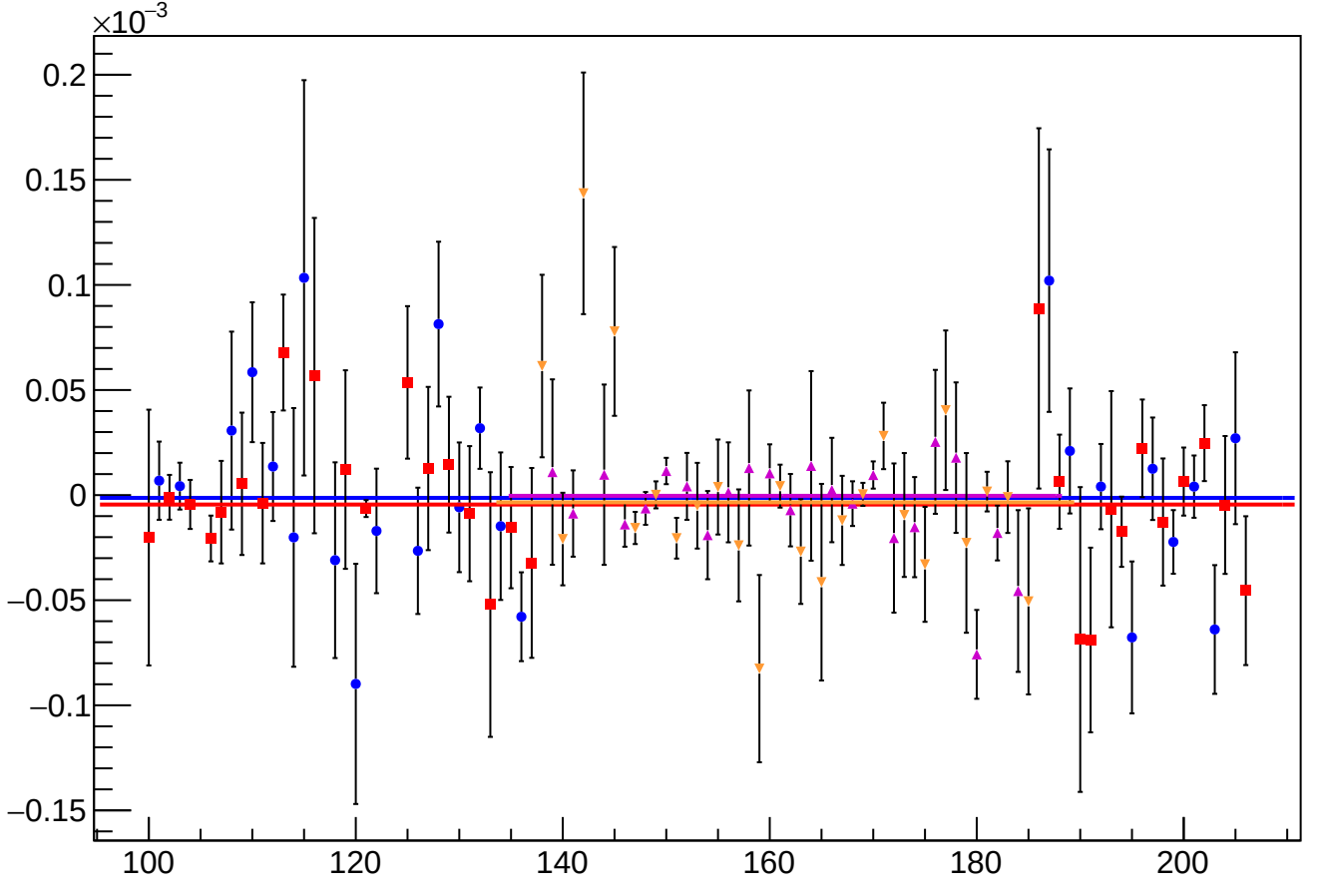
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 244.872+/-0.034 χ^2/NDF: 5413941.1/54

In: 333.455+/-0.048 χ^2/NDF:14548366.8/47

Out: 283.158+/-0.042 χ^2/NDF:19272057.4/53

All: 304.535+/-0.032 χ^2/NDF: 34443419.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

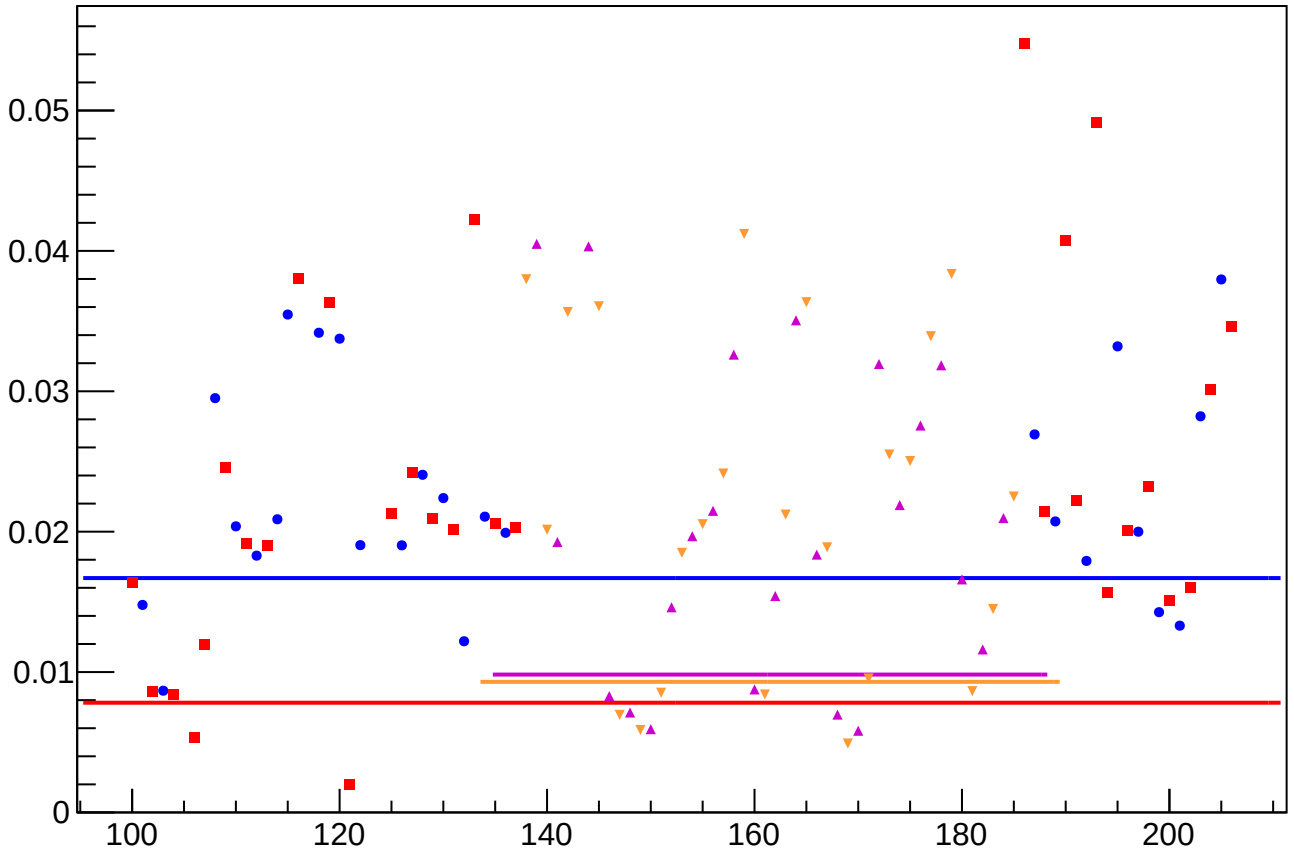
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/54

In: -0.000+/-0.000 χ^2/NDF:66.0/47

Out: -0.000+/-0.000 χ^2/NDF:59.7/53

All: -0.000+/-0.000 χ^2/NDF: 126.8/101



Right In: 0.017+/-0.000 χ^2/NDF: 3667613.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16427957.1/29

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

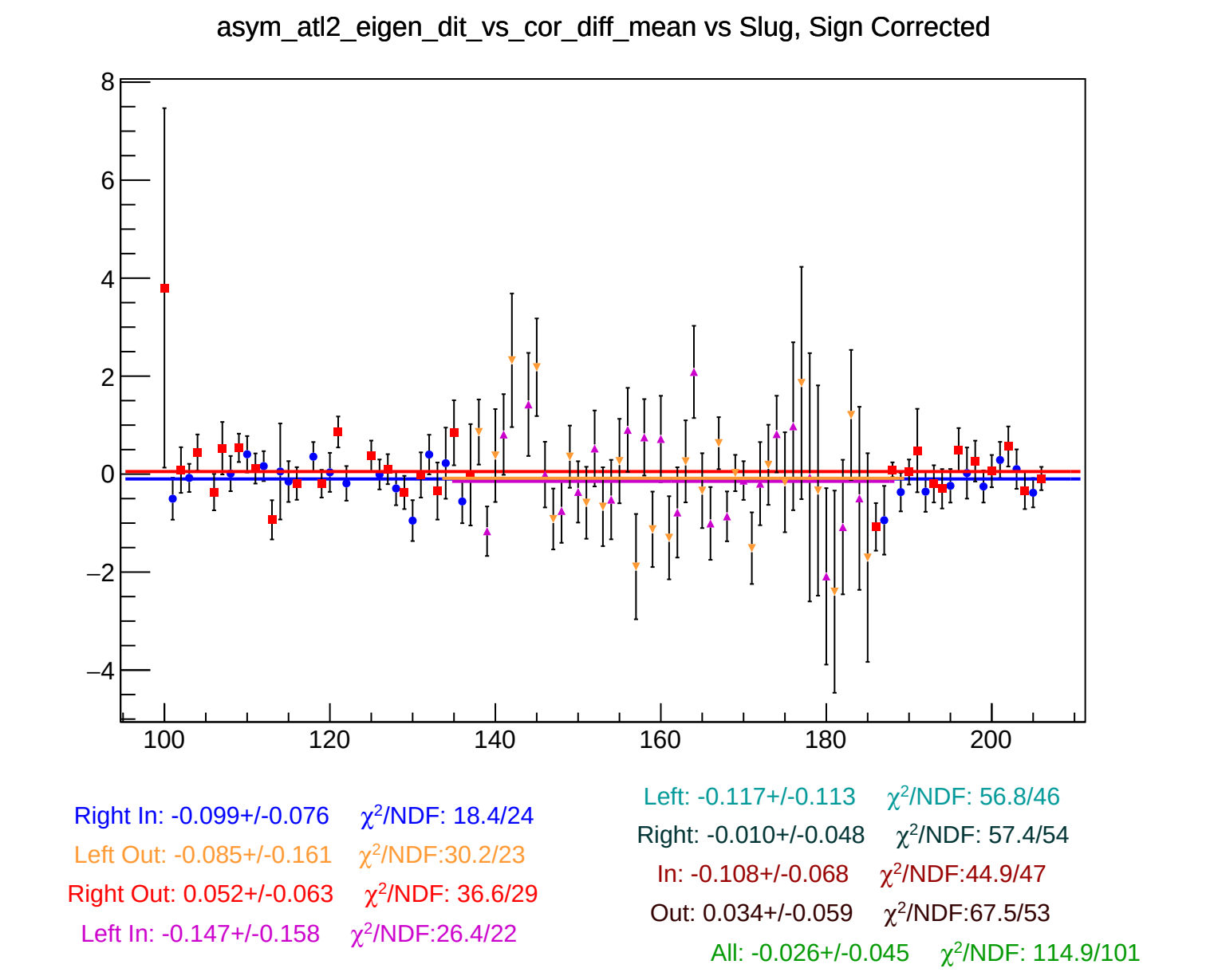
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 24909178.8/54

In: 0.012+/-0.000 χ^2/NDF:16882112.2/47

Out: 0.009+/-0.000 χ^2/NDF:28925386.5/53

All: 0.010+/-0.000 χ^2/NDF: 47545127.2/101


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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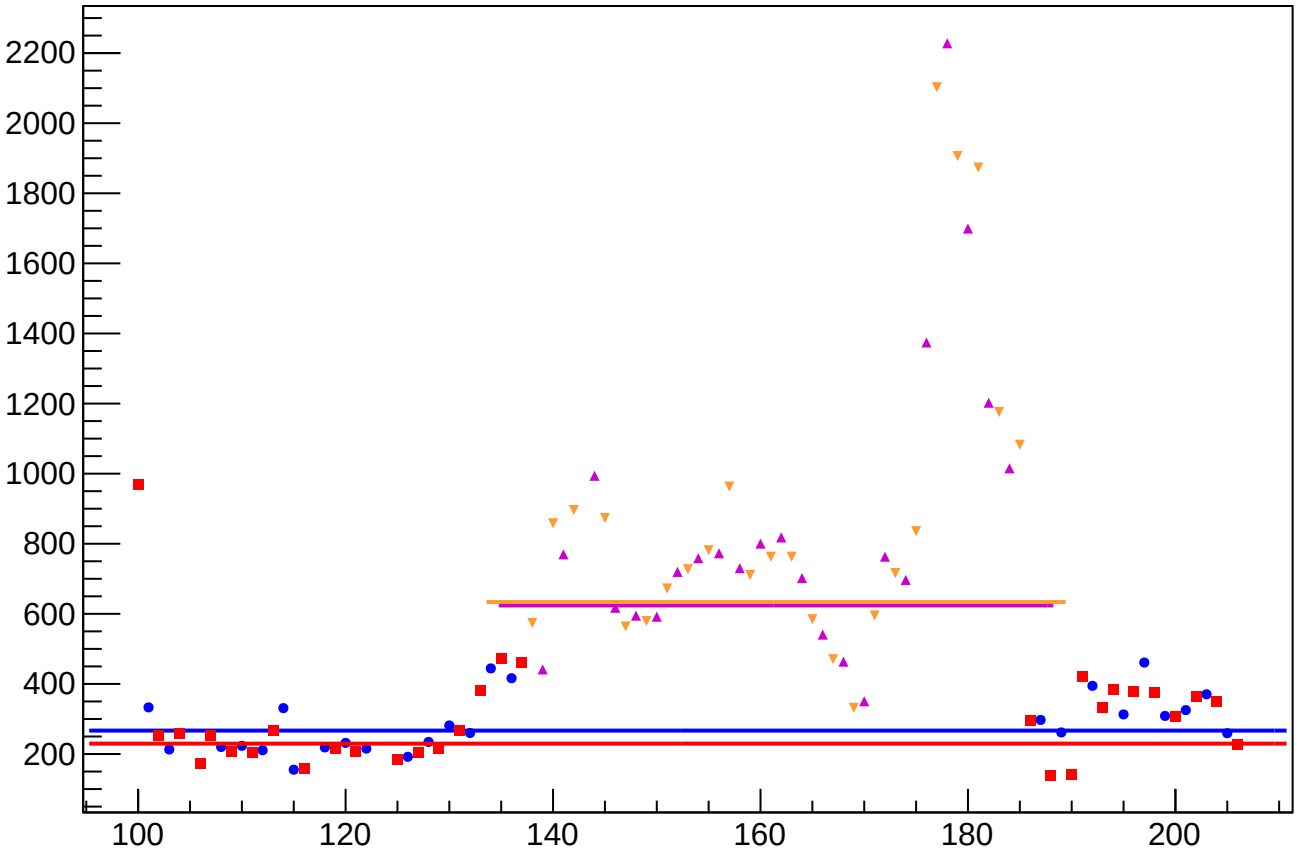
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.010+/-0.048 χ²/NDF: 57.4/54
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.026+/-0.045 χ²/NDF: 114.9/101



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

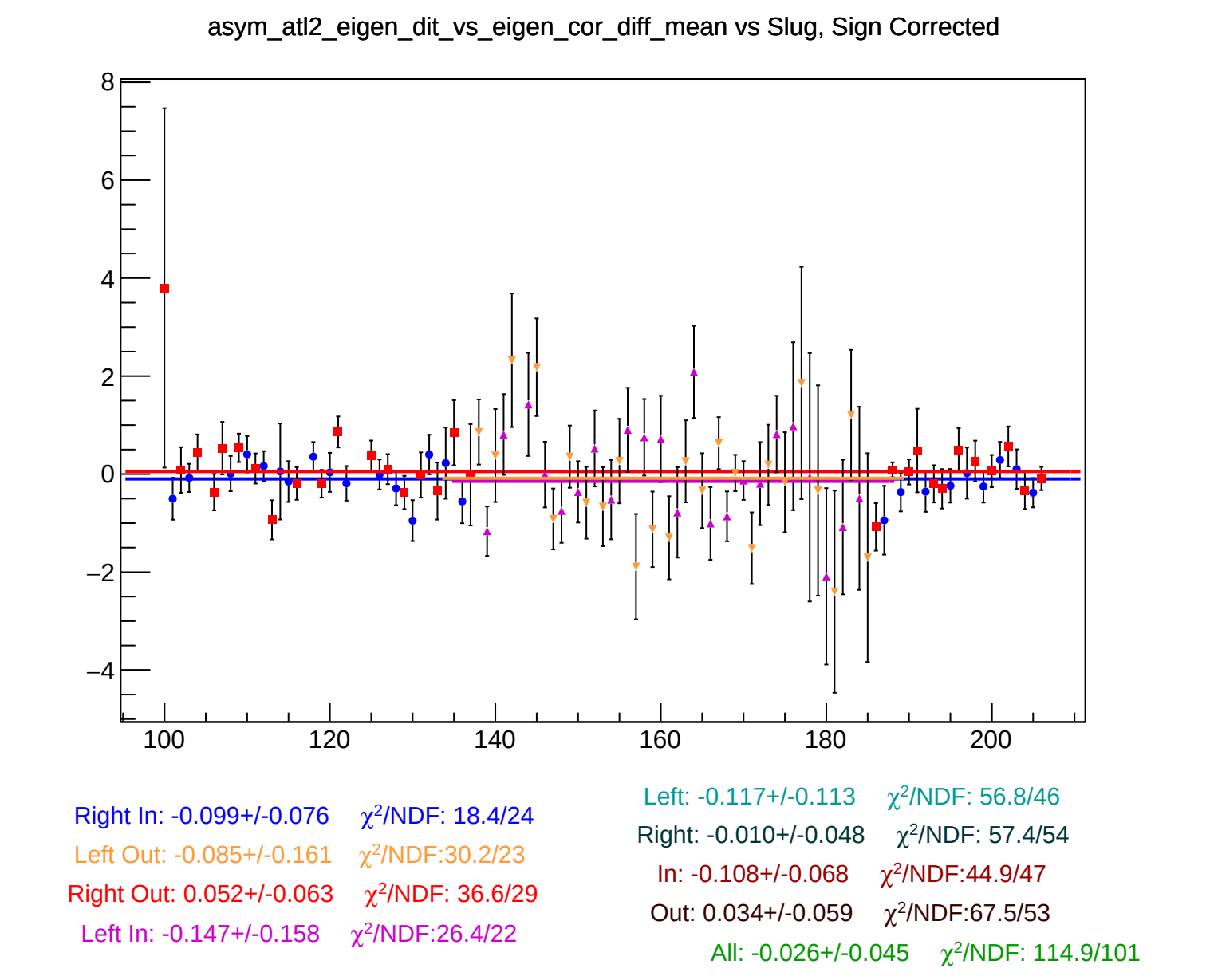
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 244.871+/-0.034 χ^2/NDF: 5414128.9/54

In: 333.456+/-0.048 χ^2/NDF:14548451.0/47

Out: 283.156+/-0.042 χ^2/NDF:19272469.6/53

All: 304.534+/-0.032 χ^2/NDF: 34443989.6/10


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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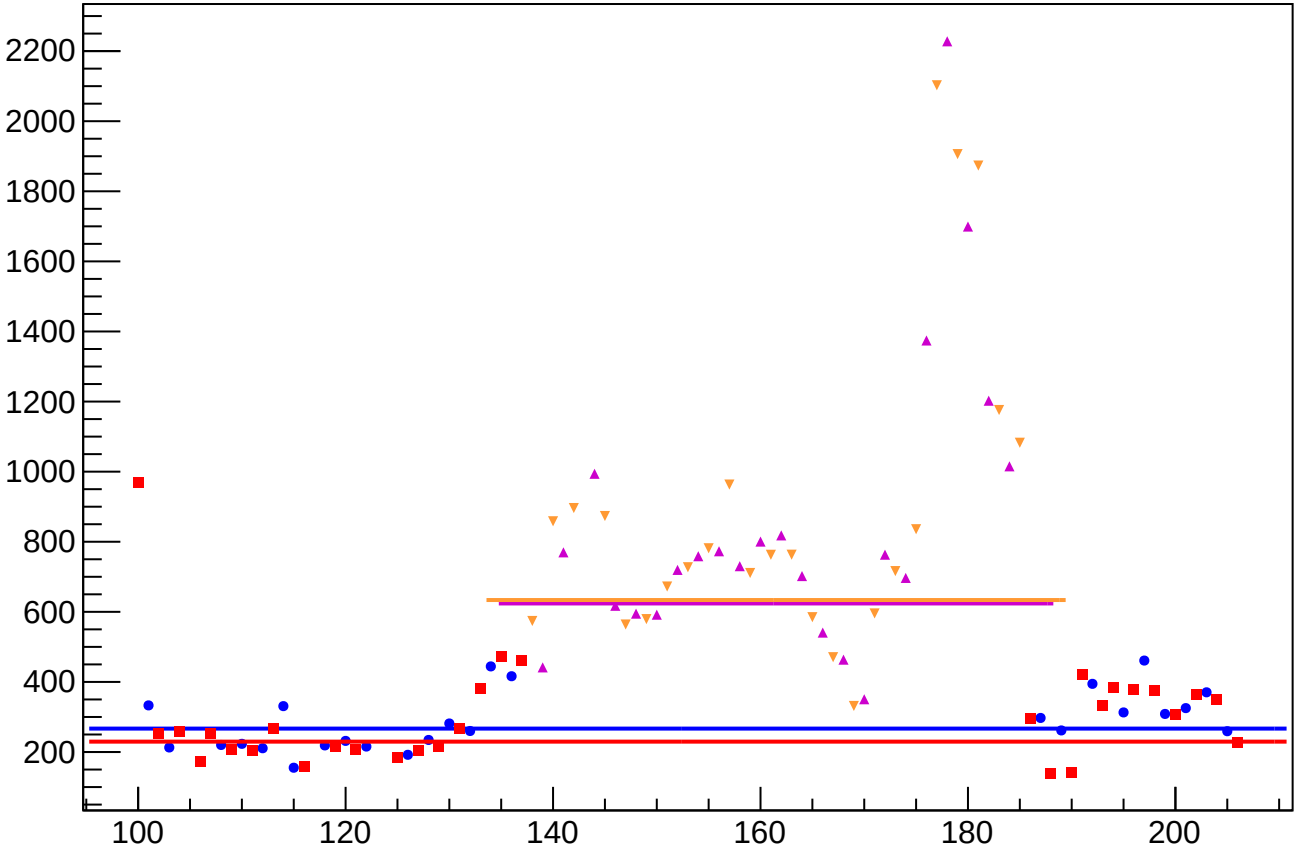
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.010+/-0.048 χ²/NDF: 57.4/54
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.026+/-0.045 χ²/NDF: 114.9/101

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

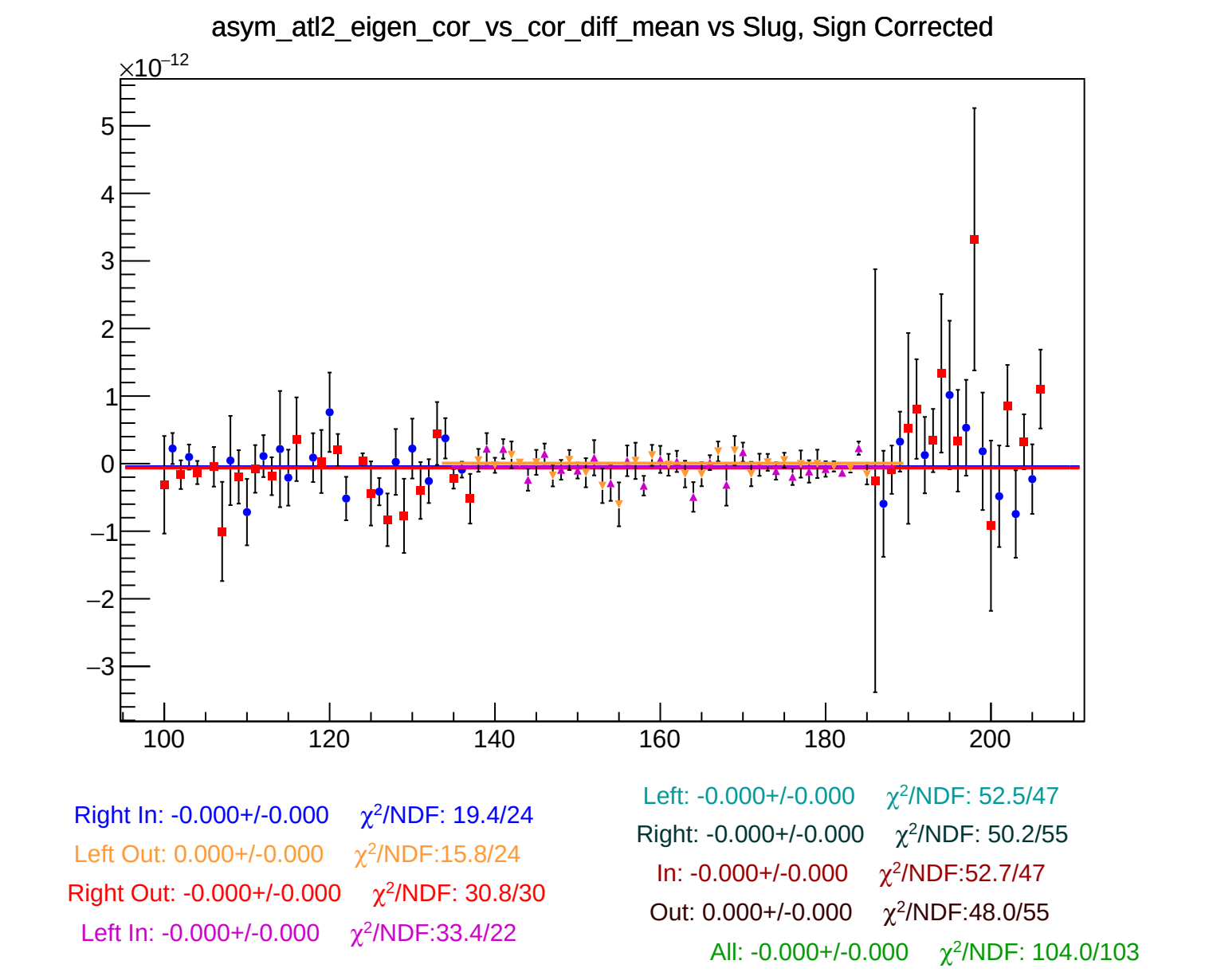
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 244.871+/-0.034 χ^2/NDF: 5414128.9/54

In: 333.456+/-0.048 χ^2/NDF:14548451.0/47

Out: 283.156+/-0.042 χ^2/NDF:19272469.6/53

All: 304.534+/-0.032 χ^2/NDF: 34443989.6/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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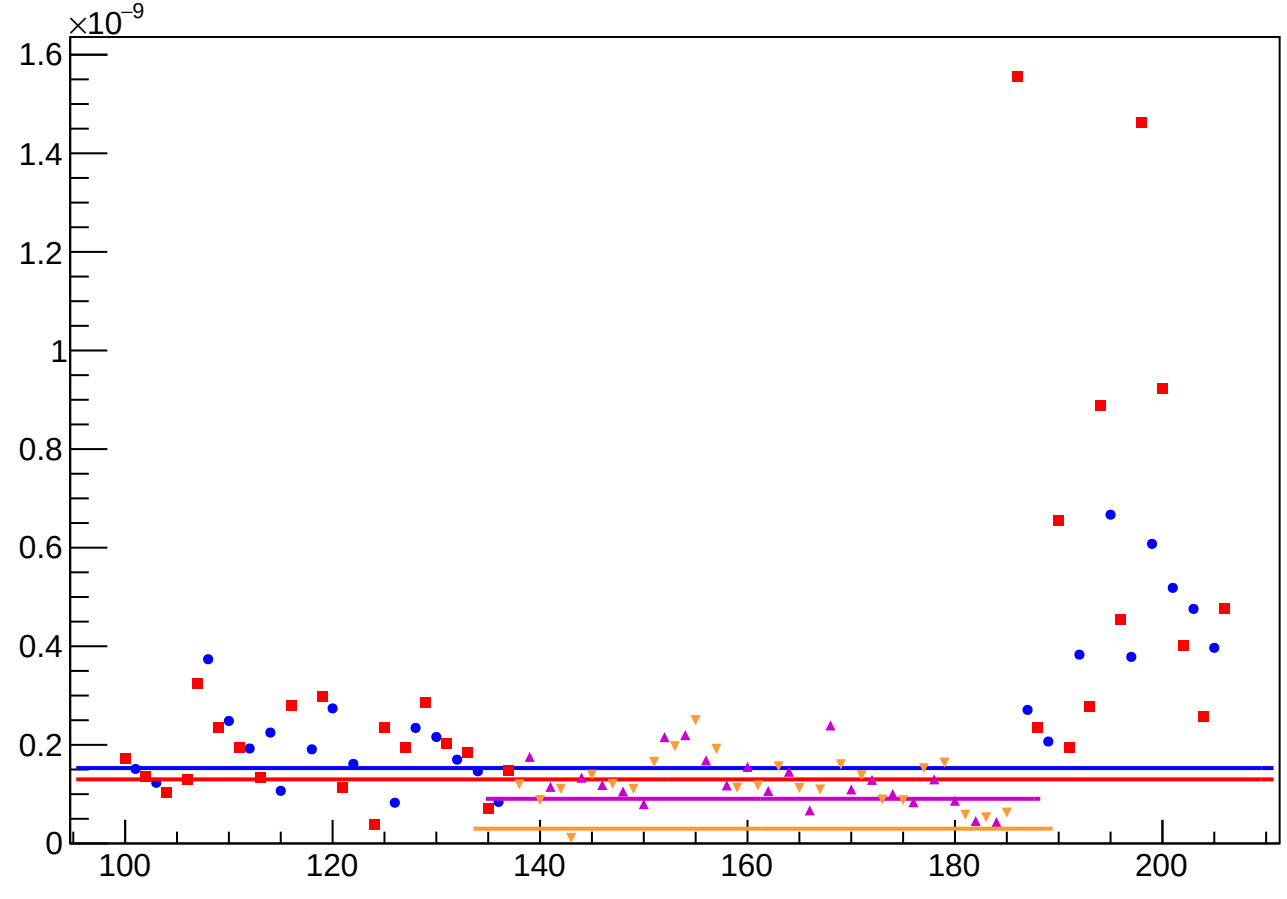
Right In: -0.000+/-0.000 χ²/NDF: 19.4/24
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.8/30
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 50.2/55
In: -0.000+/-0.000 χ²/NDF:52.7/47
Out: 0.000+/-0.000 χ²/NDF:48.0/55
All: -0.000+/-0.000 χ²/NDF: 104.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 4574578.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8292203.0/30

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

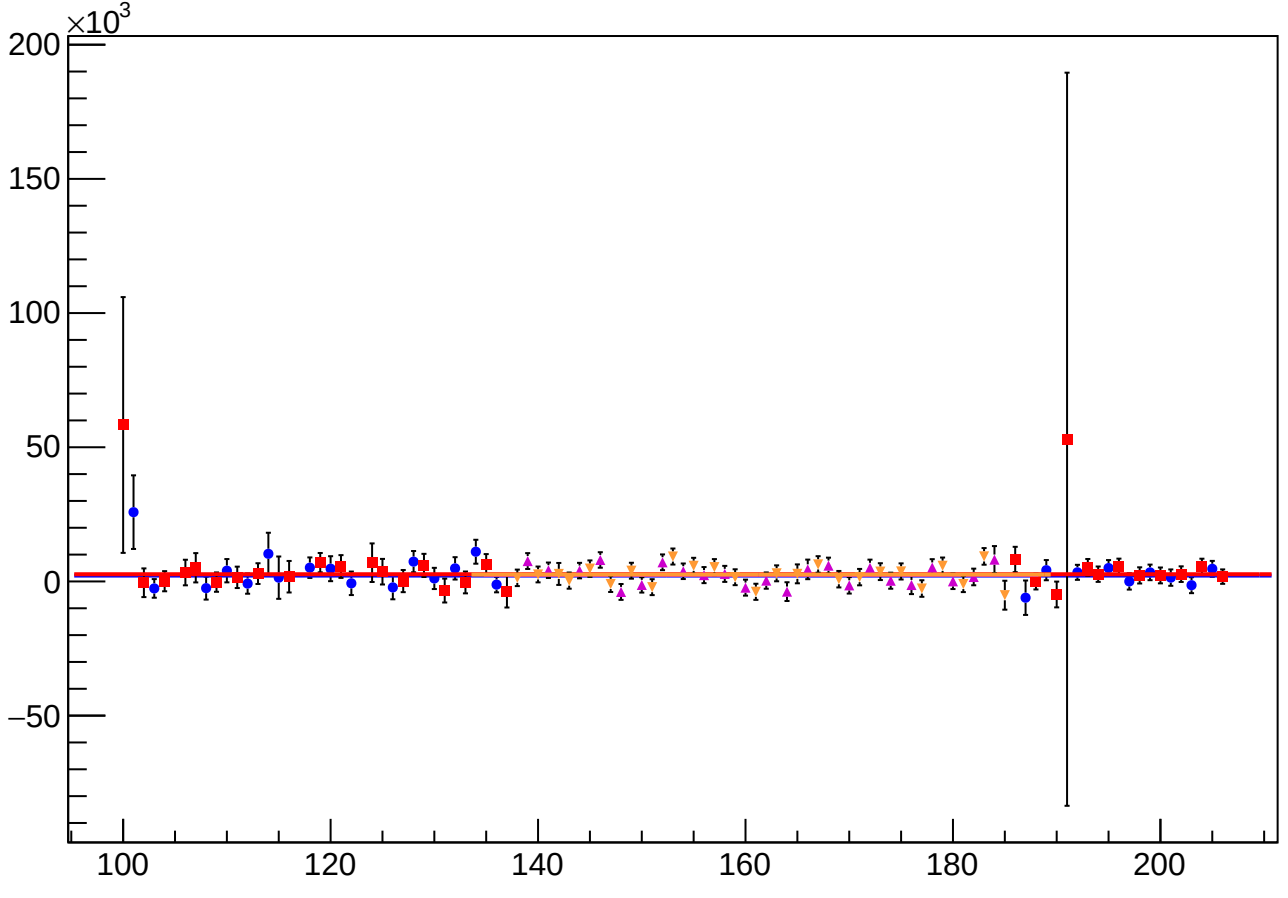
Right: 0.000+/-0.000 χ^2/NDF: 13011064.3/55

In: 0.000+/-0.000 χ^2/NDF:10869514.5/47

Out: 0.000+/-0.000 χ^2/NDF:31544388.9/55

All: 0.000+/-0.000 χ^2/NDF: 52555657.2/103

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.844+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2685.249+/-697.119 χ^2/NDF: 18.1/30

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

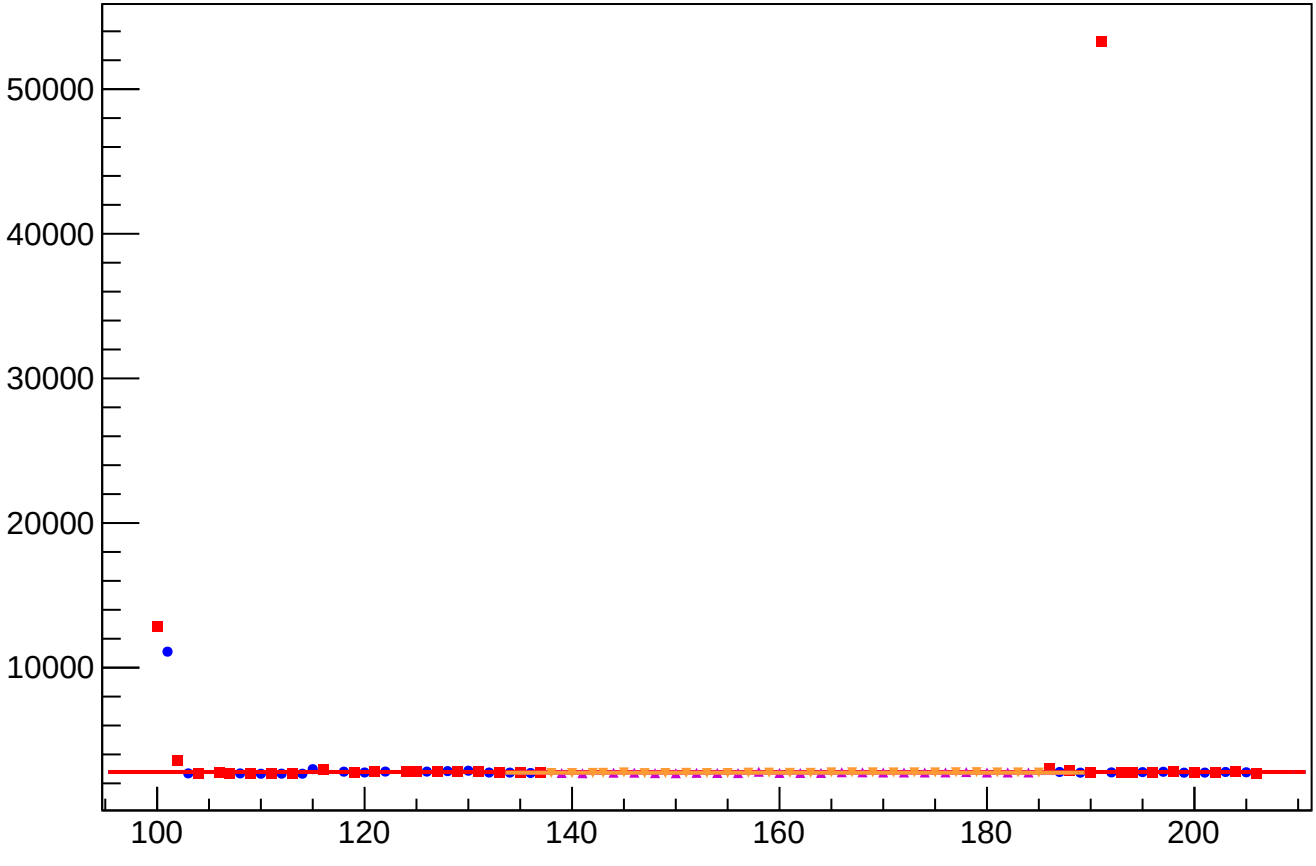
Right: 2455.183+/-511.074 χ^2/NDF: 42.1/55

In: 2315.677+/-487.121 χ^2/NDF:55.2/47

Out: 2613.731+/-464.044 χ^2/NDF:49.7/55

All: 2471.931+/-335.991 χ^2/NDF: 105.1/103

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748490.2/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.166+/-0.493 χ^2/NDF: 481393.9/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

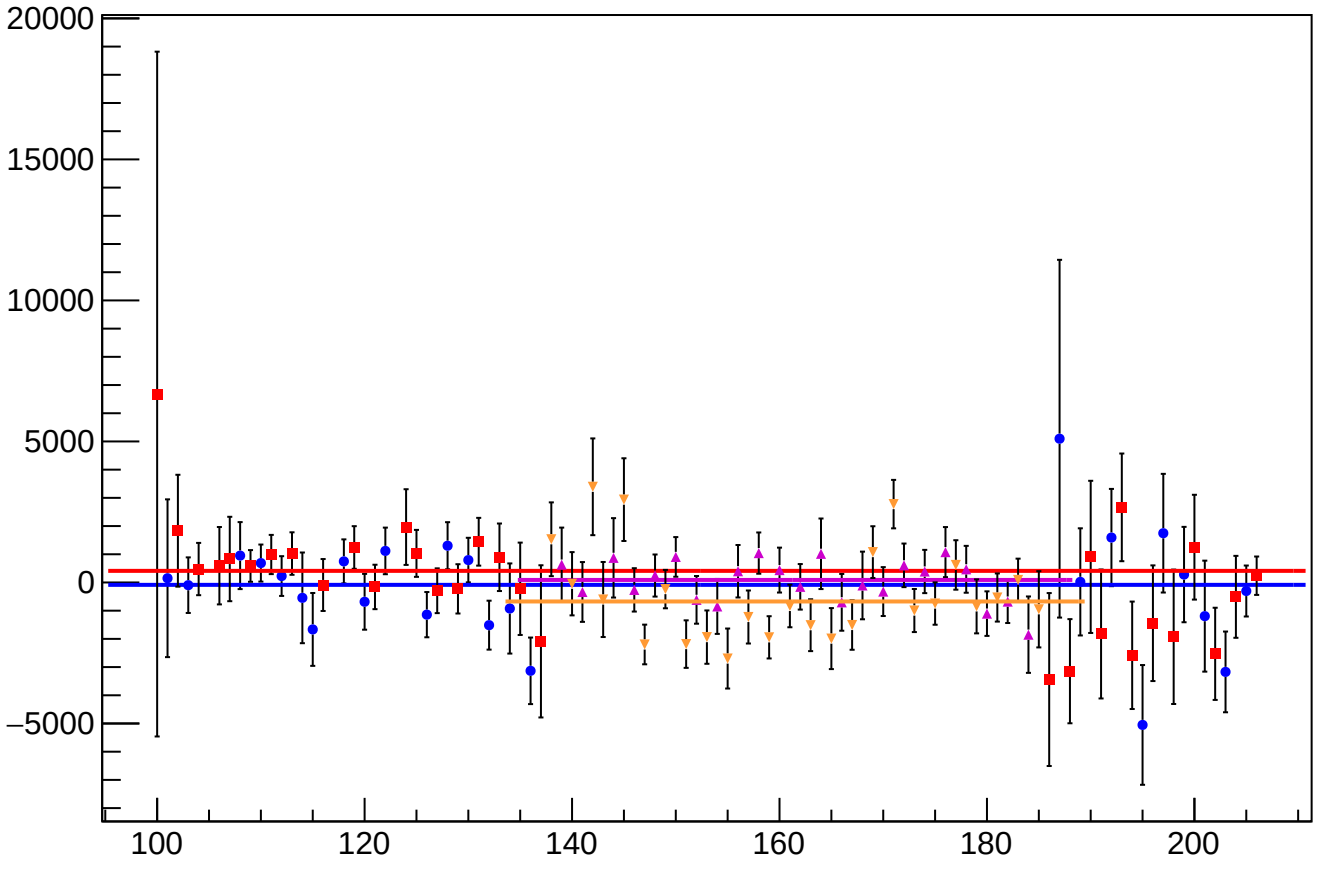
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2786.153+/-0.361 χ^2/NDF: 1229893.3/55

In: 2758.820+/-0.344 χ^2/NDF:756031.6/47

Out: 2759.517+/-0.328 χ^2/NDF:489360.6/55

All: 2759.185+/-0.238 χ^2/NDF: 1245394.3/10



Right In: -84.549+/-214.418 χ^2/NDF: 35.9/24

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 411.405+/-194.502 χ^2/NDF: 26.1/30

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

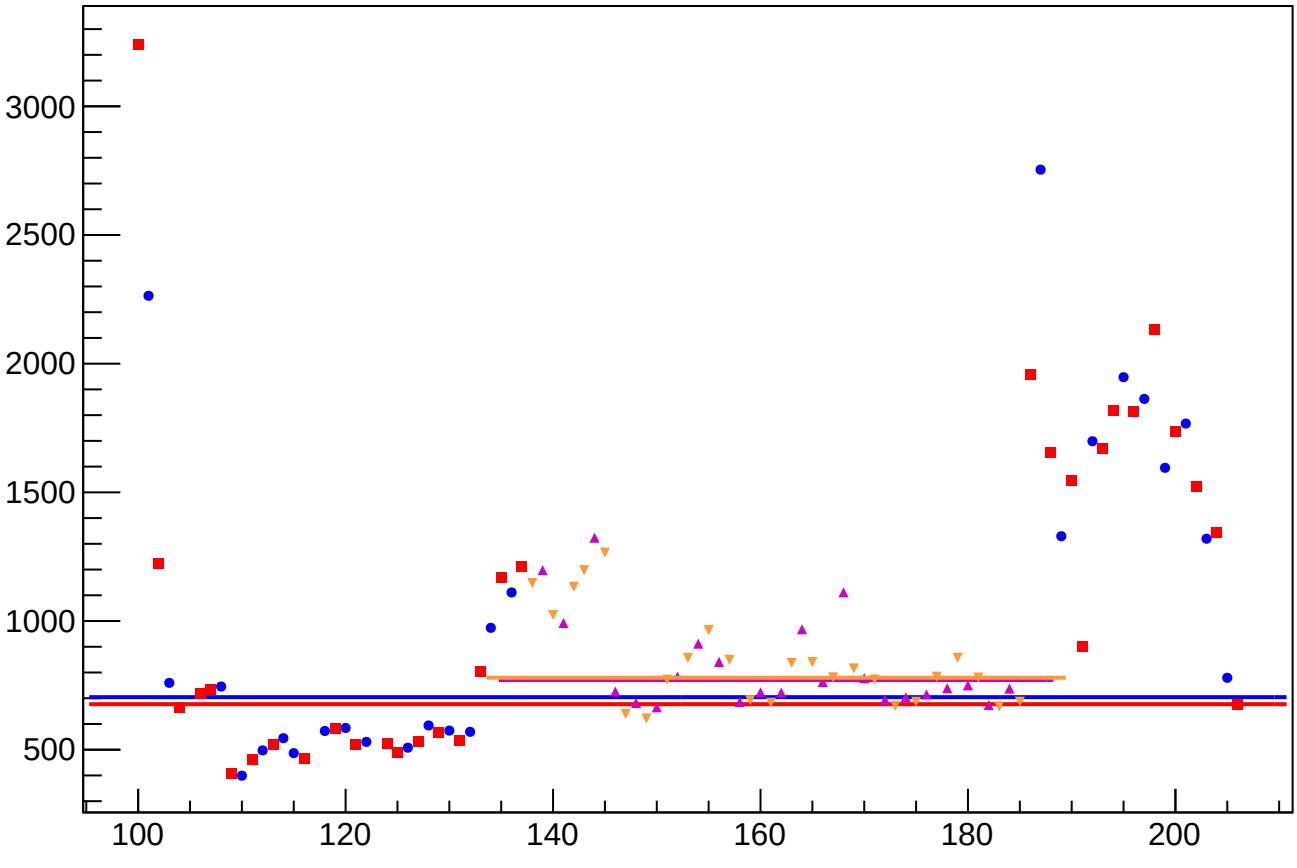
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 187.526+/-144.061 χ^2/NDF: 64.9/55

In: 15.933+/-139.412 χ^2/NDF:51.0/47

Out: -169.423+/-132.593 χ^2/NDF:101.1/55

All: -81.389+/-96.078 χ^2/NDF: 153.1/103



Right In: 704.181+/-0.152 χ^2/NDF: 5944371.4/24

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.922+/-0.138 χ^2/NDF: 7127013.8/30

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

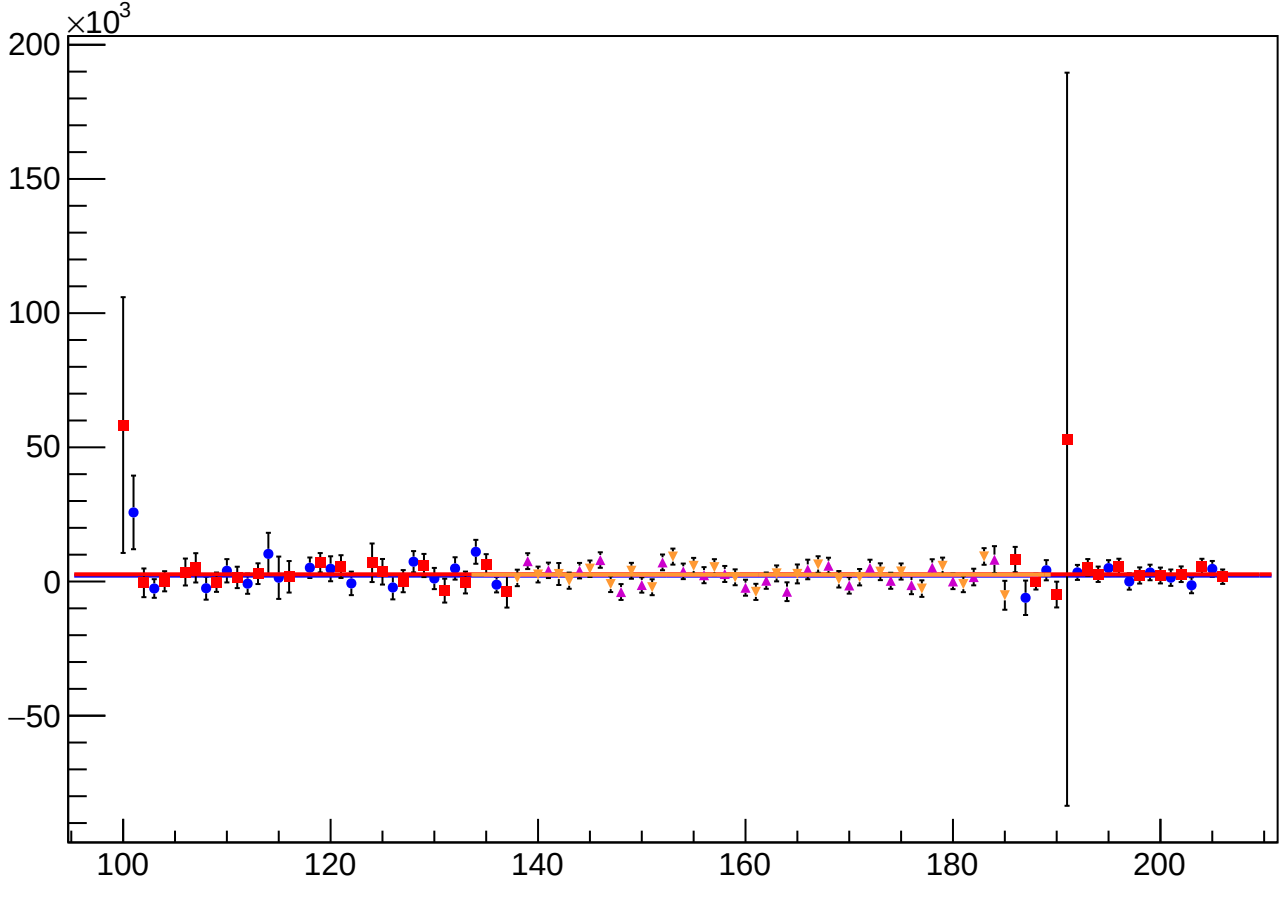
Right: 689.227+/-0.102 χ^2/NDF: 13089118.3/55

In: 742.634+/-0.099 χ^2/NDF:7132157.2/47

Out: 731.945+/-0.094 χ^2/NDF:8669771.5/55

All: 737.022+/-0.068 χ^2/NDF: 15808102.7/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2688.474+/-697.846 χ^2/NDF: 18.1/30

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

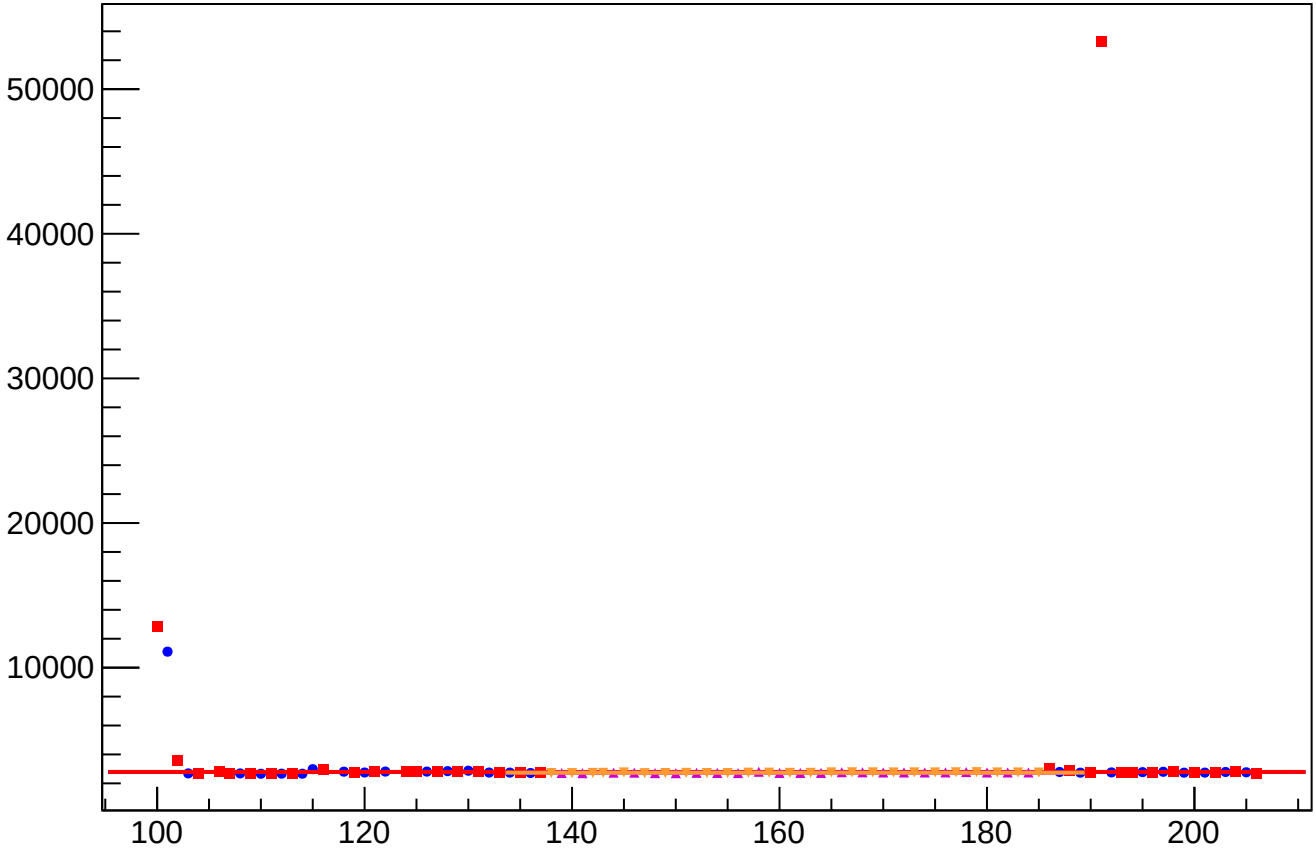
Right: 2456.509+/-511.360 χ^2/NDF: 42.1/55

In: 2315.625+/-487.121 χ^2/NDF:55.1/47

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2472.539+/-336.072 χ^2/NDF: 105.1/103

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

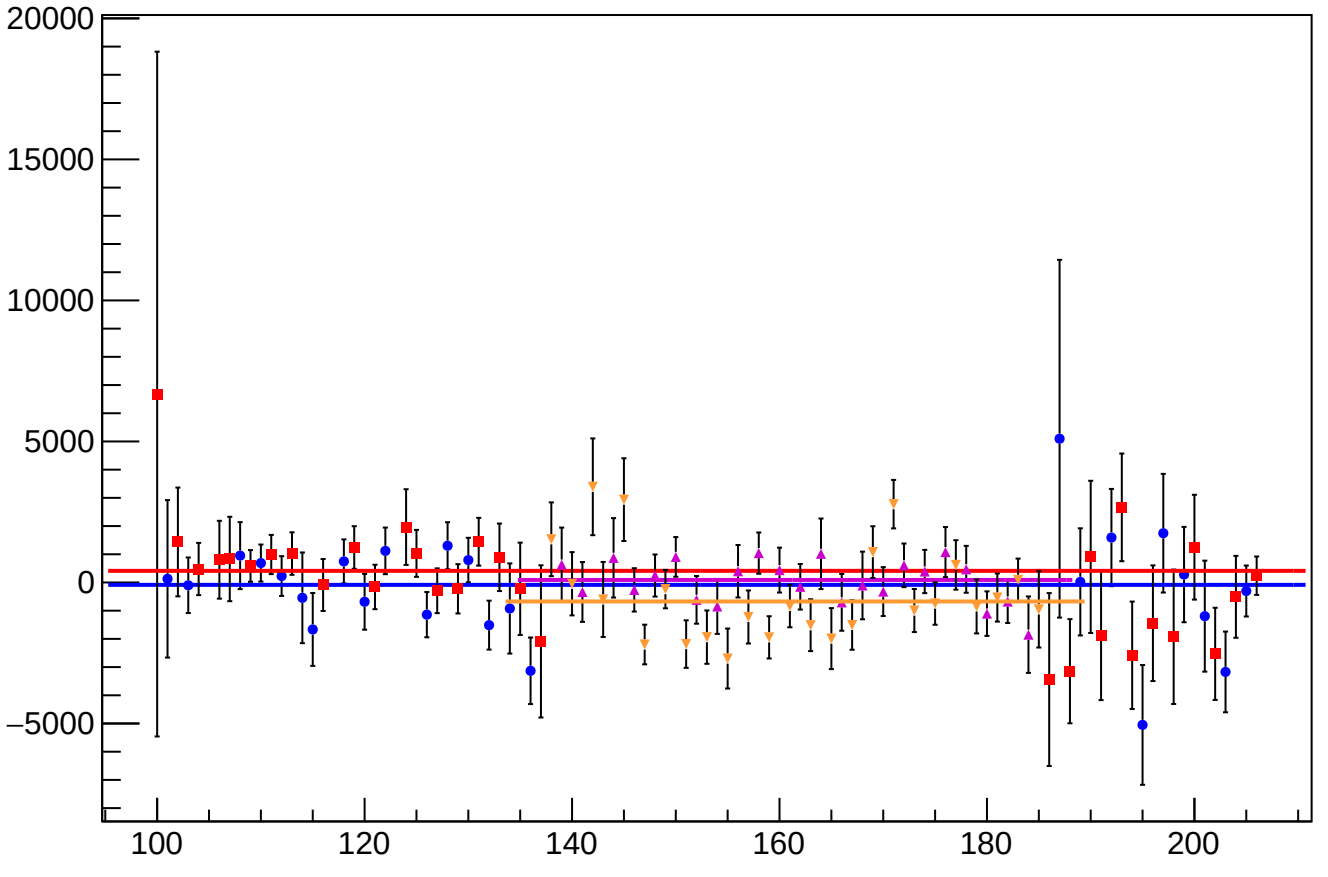
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2787.446+/-0.362 χ^2/NDF: 1229731.3/55

In: 2758.820+/-0.344 χ^2/NDF:756030.7/47

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2759.731+/-0.238 χ^2/NDF: 1245766.8/10



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 412.194+/-194.474 χ^2/NDF: 25.9/30

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

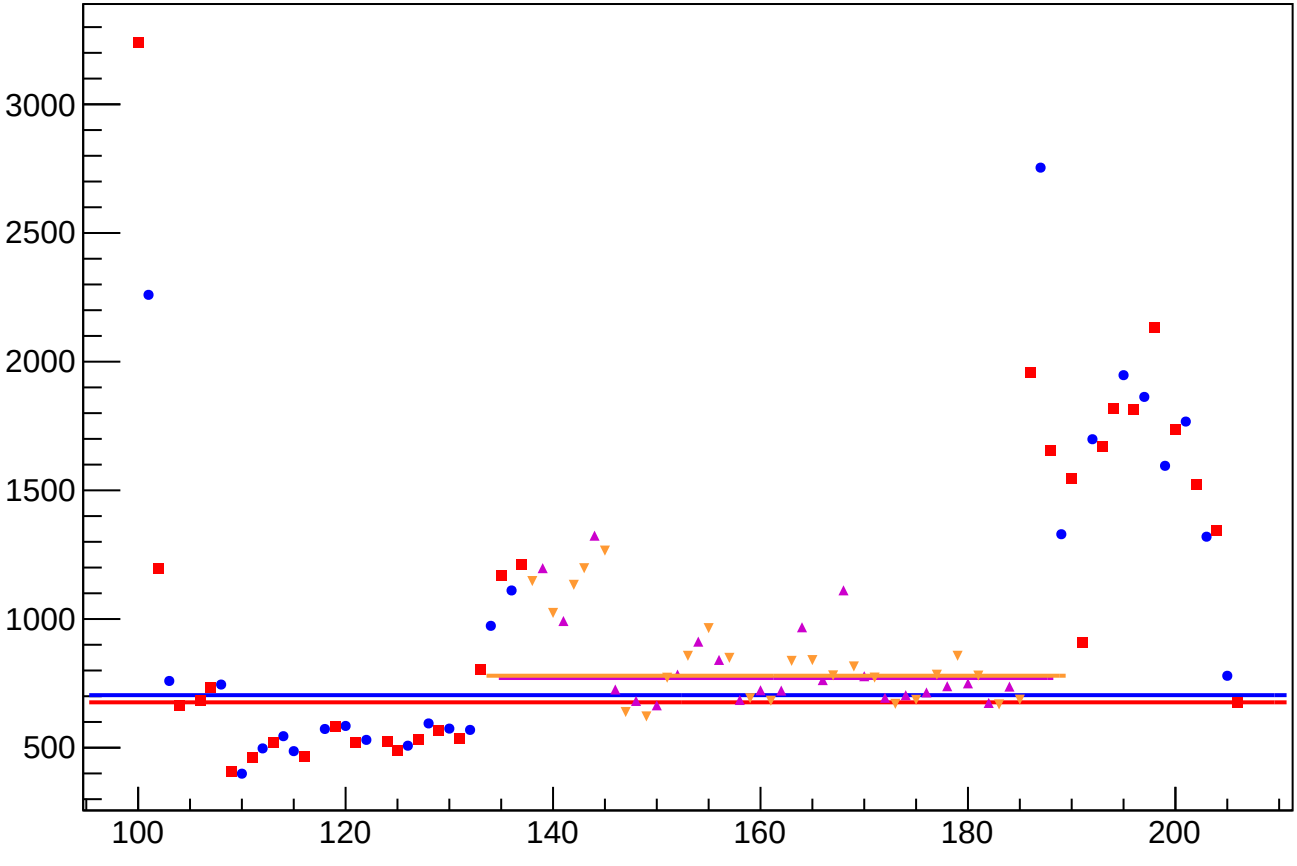
Right: 187.973+/-144.047 χ^2/NDF: 64.8/55

In: 15.990+/-139.410 χ^2/NDF:51.0/47

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -81.110+/-96.074 χ^2/NDF: 152.9/103

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

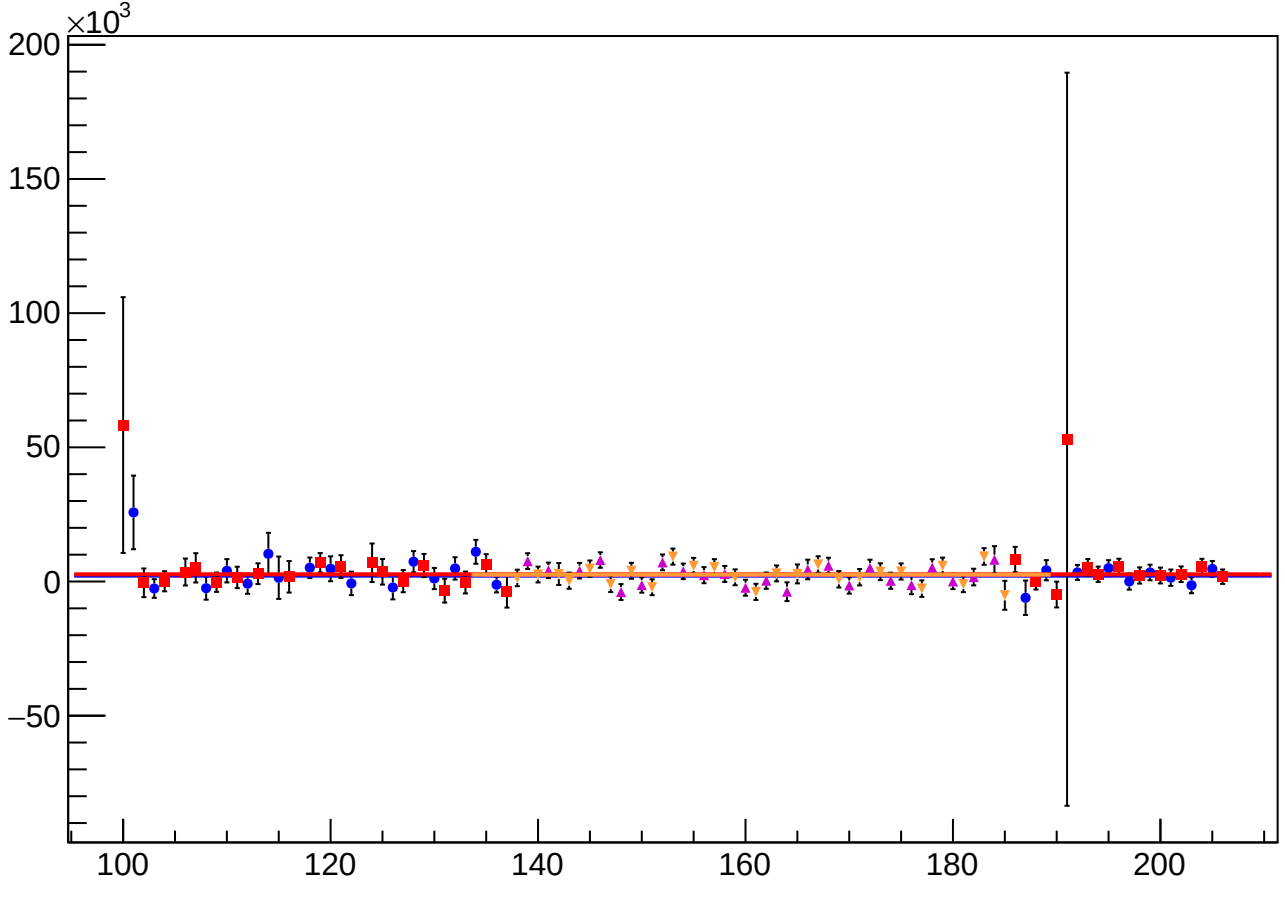
Right: 688.886+/-0.102 χ^2/NDF: 13083006.3/55

In: 742.631+/-0.099 χ^2/NDF:7131249.2/47

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 736.866+/-0.068 χ^2/NDF: 15805145.9/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2688.474+/-697.846 χ^2/NDF: 18.1/30

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

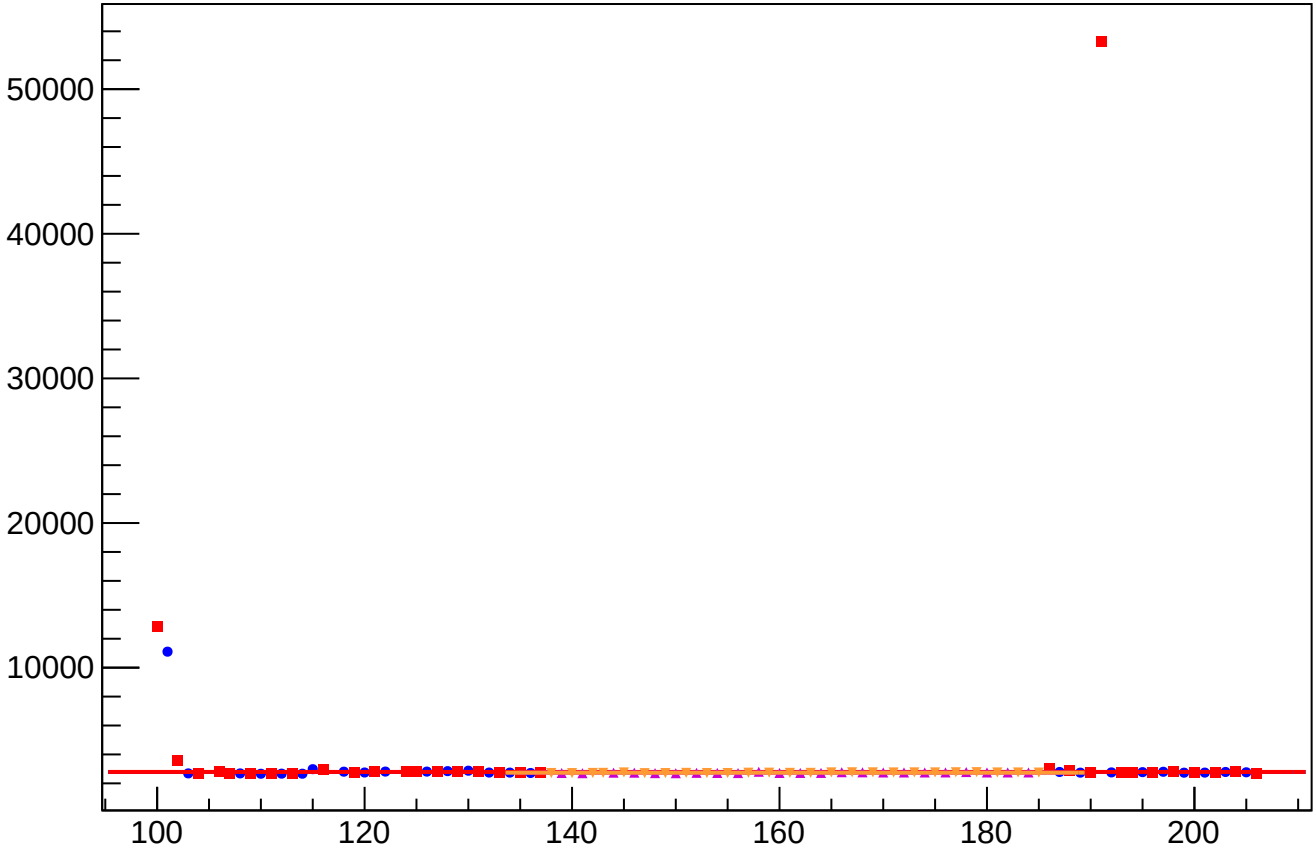
Right: 2456.509+/-511.360 χ^2/NDF: 42.1/55

In: 2315.625+/-487.121 χ^2/NDF:55.1/47

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2472.539+/-336.072 χ^2/NDF: 105.1/103

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

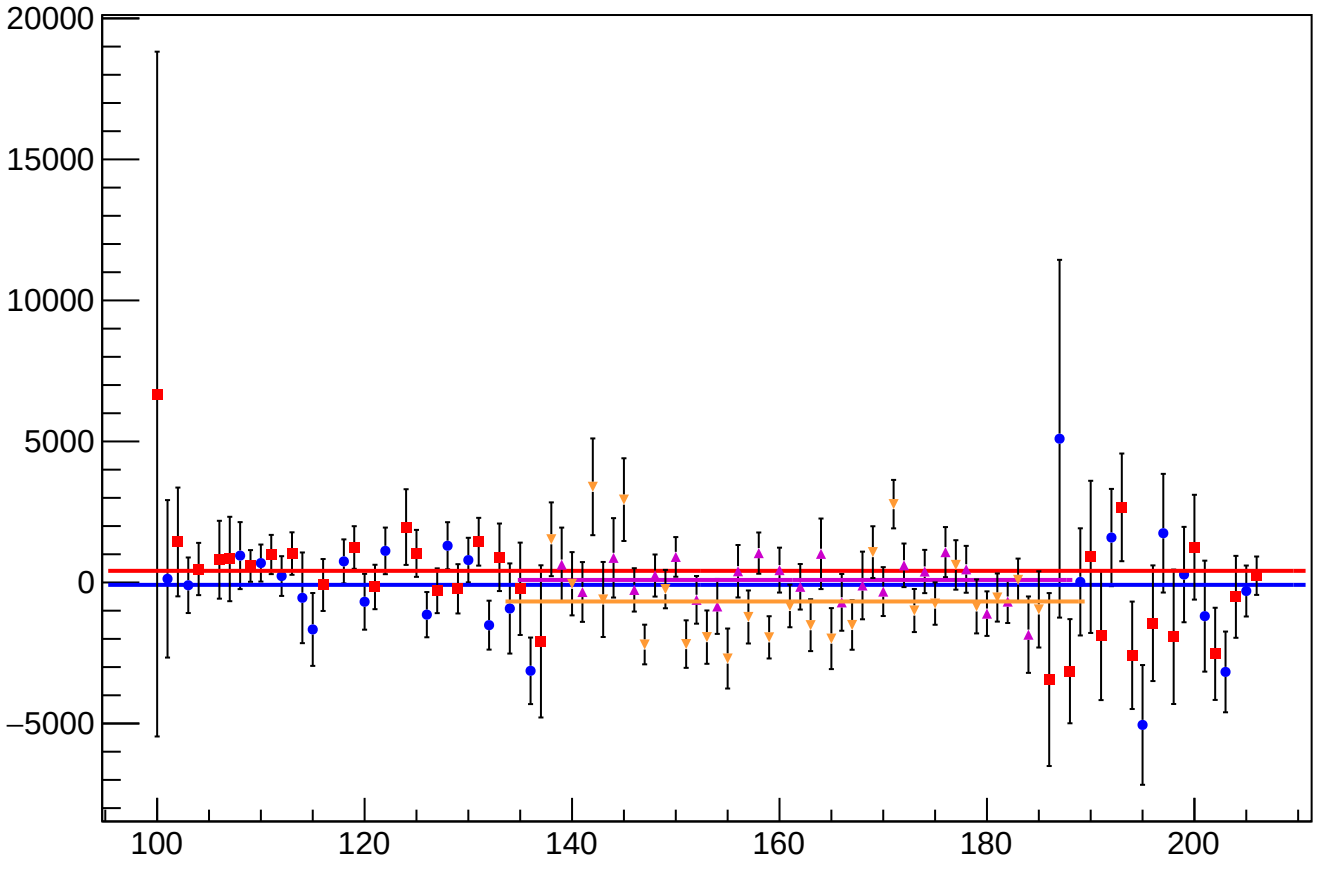
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2787.446+/-0.362 χ^2/NDF: 1229731.3/55

In: 2758.820+/-0.344 χ^2/NDF:756030.7/47

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2759.731+/-0.238 χ^2/NDF: 1245766.8/10



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 412.194+/-194.474 χ^2/NDF: 25.9/30

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

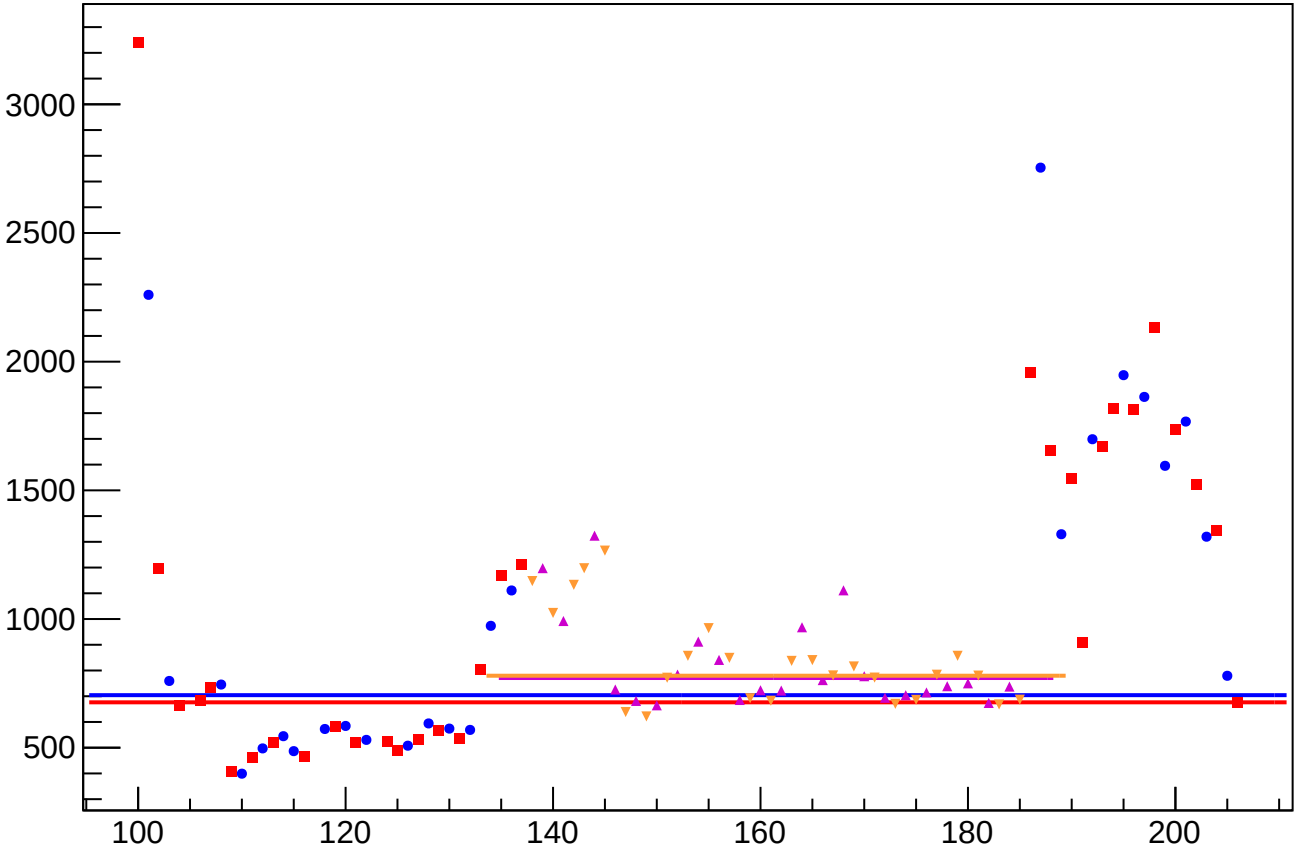
Right: 187.973+/-144.047 χ^2/NDF: 64.8/55

In: 15.990+/-139.410 χ^2/NDF:51.0/47

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -81.110+/-96.074 χ^2/NDF: 152.9/103

asym_atr1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

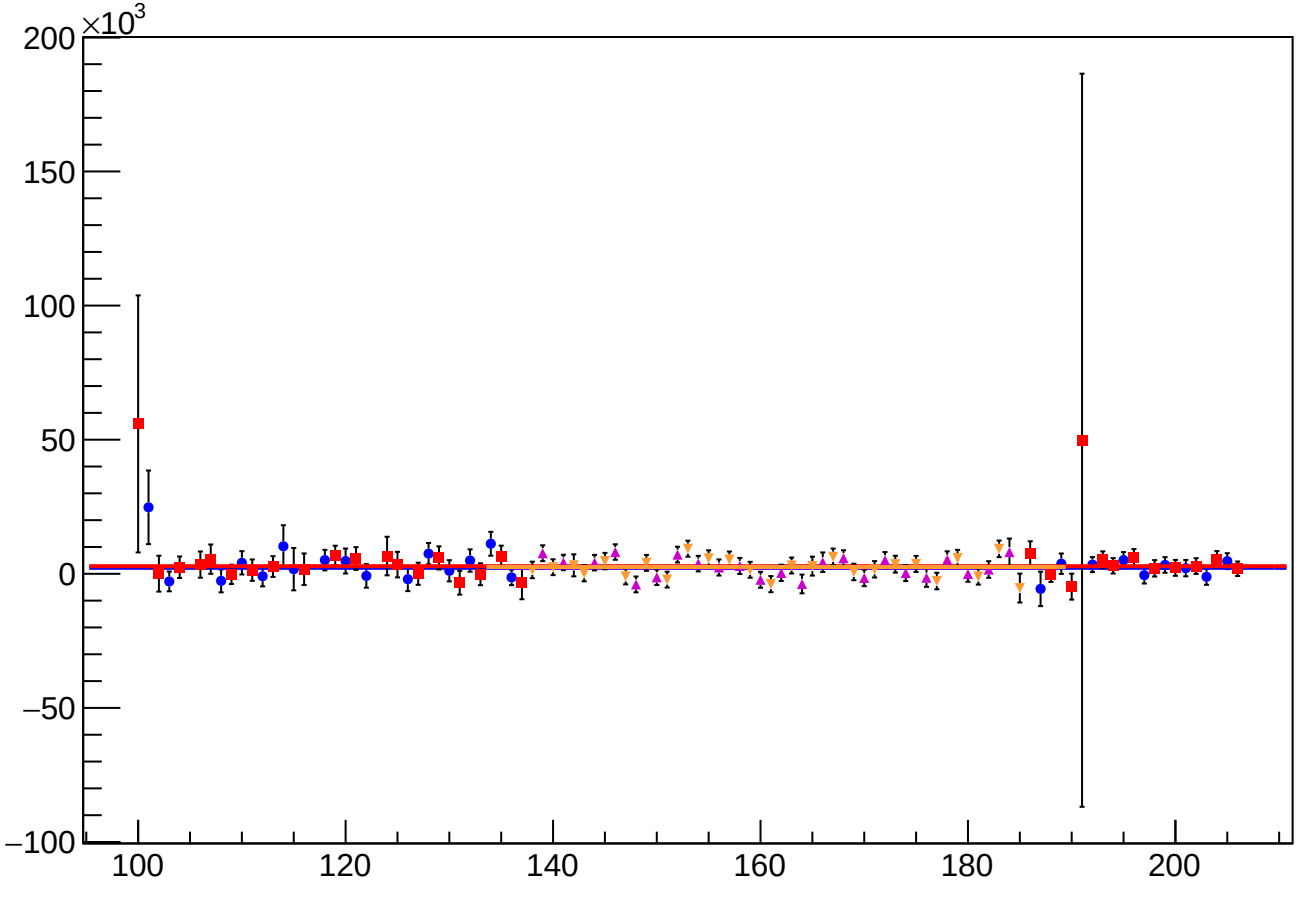
Right: 688.886+/-0.102 χ^2/NDF: 13083006.3/55

In: 742.631+/-0.099 χ^2/NDF:7131249.2/47

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 736.866+/-0.068 χ^2/NDF: 15805145.9/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2834.004+/-703.627 χ^2/NDF: 17.2/30

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

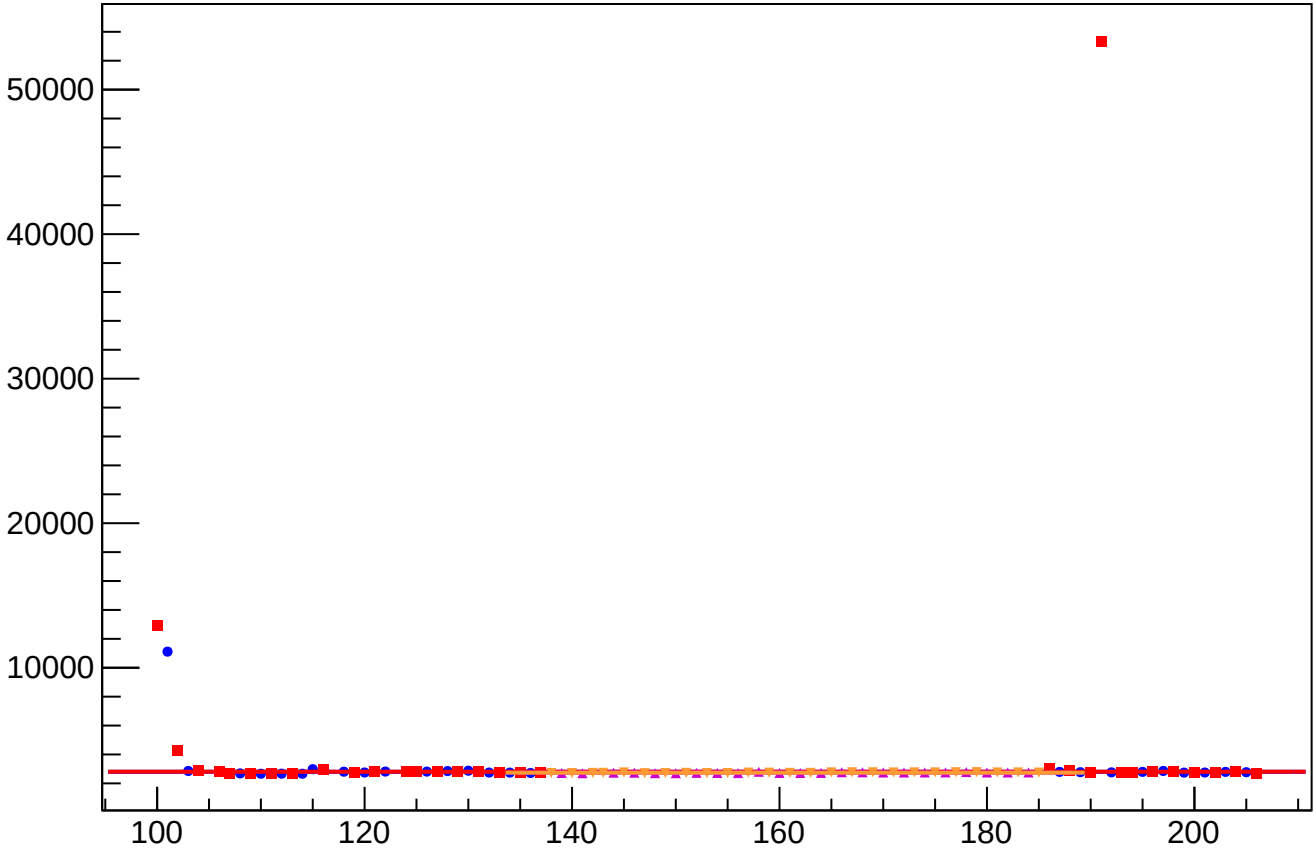
Right: 2552.714+/-515.092 χ^2/NDF: 41.1/55

In: 2332.150+/-488.534 χ^2/NDF:55.4/47

Out: 2671.852+/-466.119 χ^2/NDF:49.2/55

All: 2509.972+/-337.242 χ^2/NDF: 104.8/103

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.7/30

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

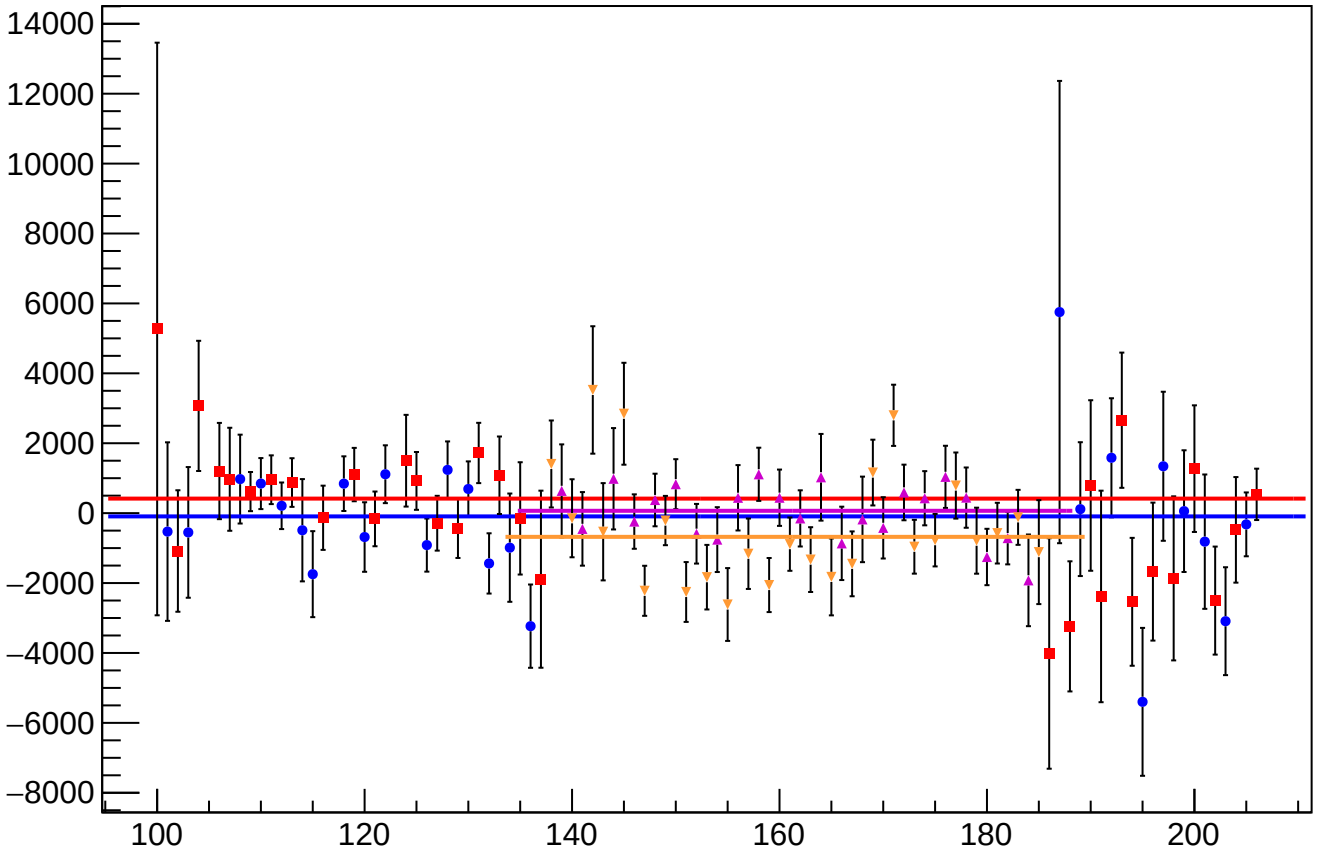
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2804.399+/-0.364 χ^2/NDF: 1282272.1/55

In: 2766.686+/-0.345 χ^2/NDF:758337.5/47

Out: 2768.790+/-0.330 χ^2/NDF:547303.6/55

All: 2767.787+/-0.238 χ^2/NDF: 1305660.5/10



Right In: -93.237+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 416.000+/-196.514 χ^2/NDF: 29.7/30

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

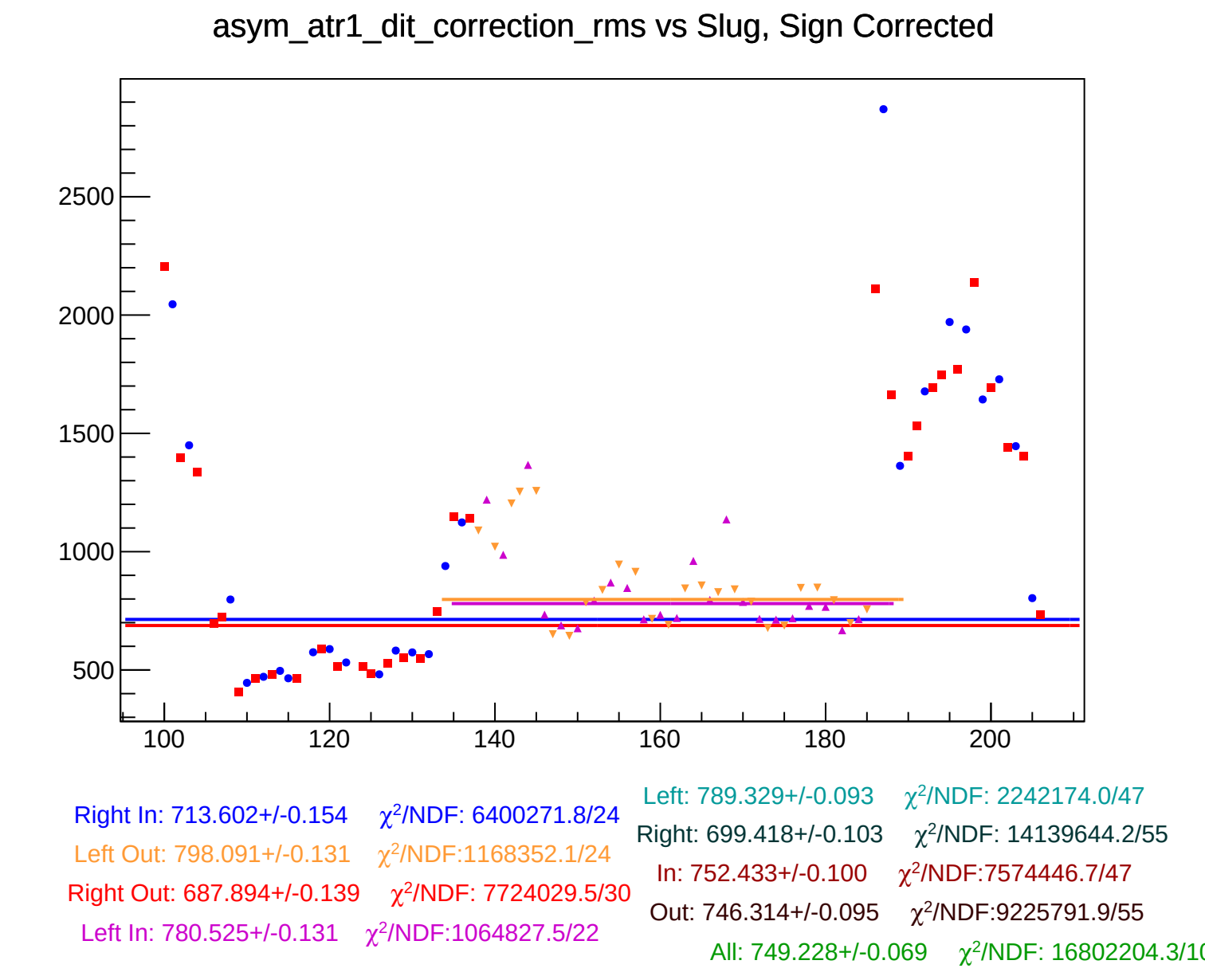
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 187.728+/-145.969 χ^2/NDF: 68.1/55

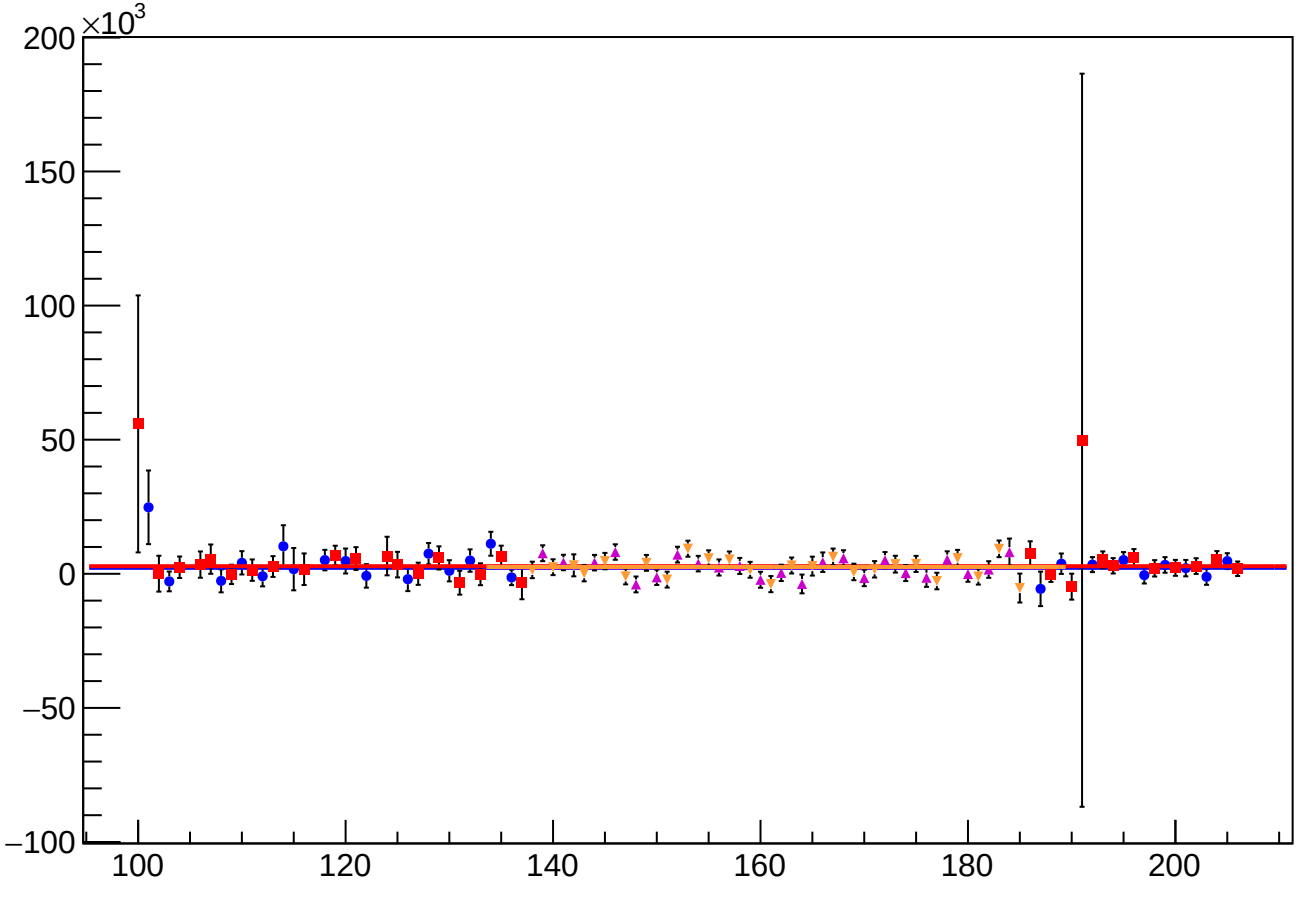
In: -0.171+/-141.253 χ^2/NDF:51.6/47

Out: -164.095+/-134.703 χ^2/NDF:102.3/55

All: -86.021+/-97.483 χ^2/NDF: 154.6/103


asym_atr1_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 713.602+/-0.154 χ²/NDF: 6400271.8/24
Left Out: 798.091+/-0.131 χ²/NDF:1168352.1/24
Right Out: 687.894+/-0.139 χ²/NDF: 7724029.5/30
Left In: 780.525+/-0.131 χ²/NDF:1064827.5/22
Left: 789.329+/-0.093 χ²/NDF: 2242174.0/47
Right: 699.418+/-0.103 χ²/NDF: 14139644.2/55
In: 752.433+/-0.100 χ²/NDF:7574446.7/47
Out: 746.314+/-0.095 χ²/NDF:9225791.9/55
All: 749.228+/-0.069 χ²/NDF: 16802204.3/10

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2834.002+/-703.627 χ^2/NDF: 17.2/30

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

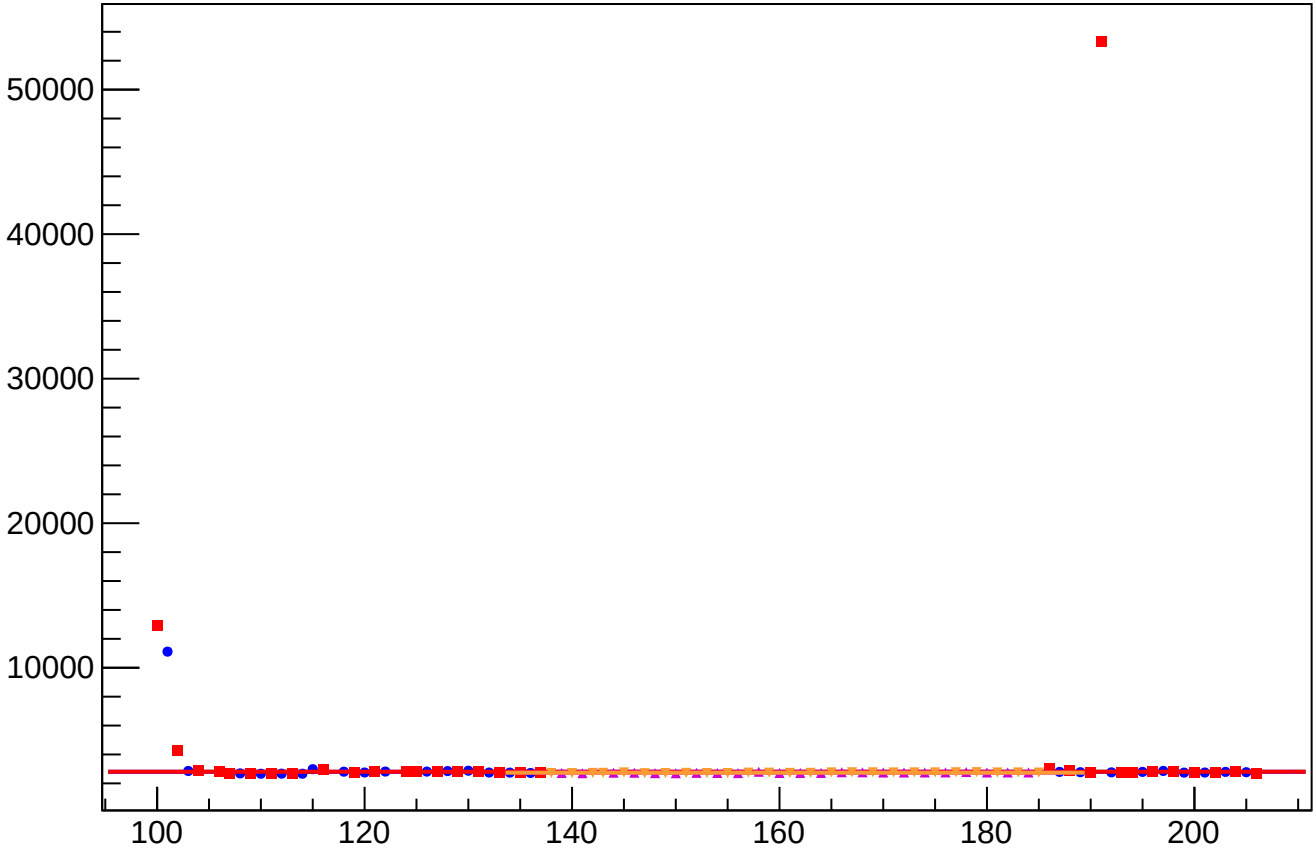
Right: 2552.713+/-515.092 χ^2/NDF: 41.1/55

In: 2332.150+/-488.534 χ^2/NDF:55.4/47

Out: 2671.851+/-466.119 χ^2/NDF:49.2/55

All: 2509.972+/-337.242 χ^2/NDF: 104.8/103

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.5/30

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

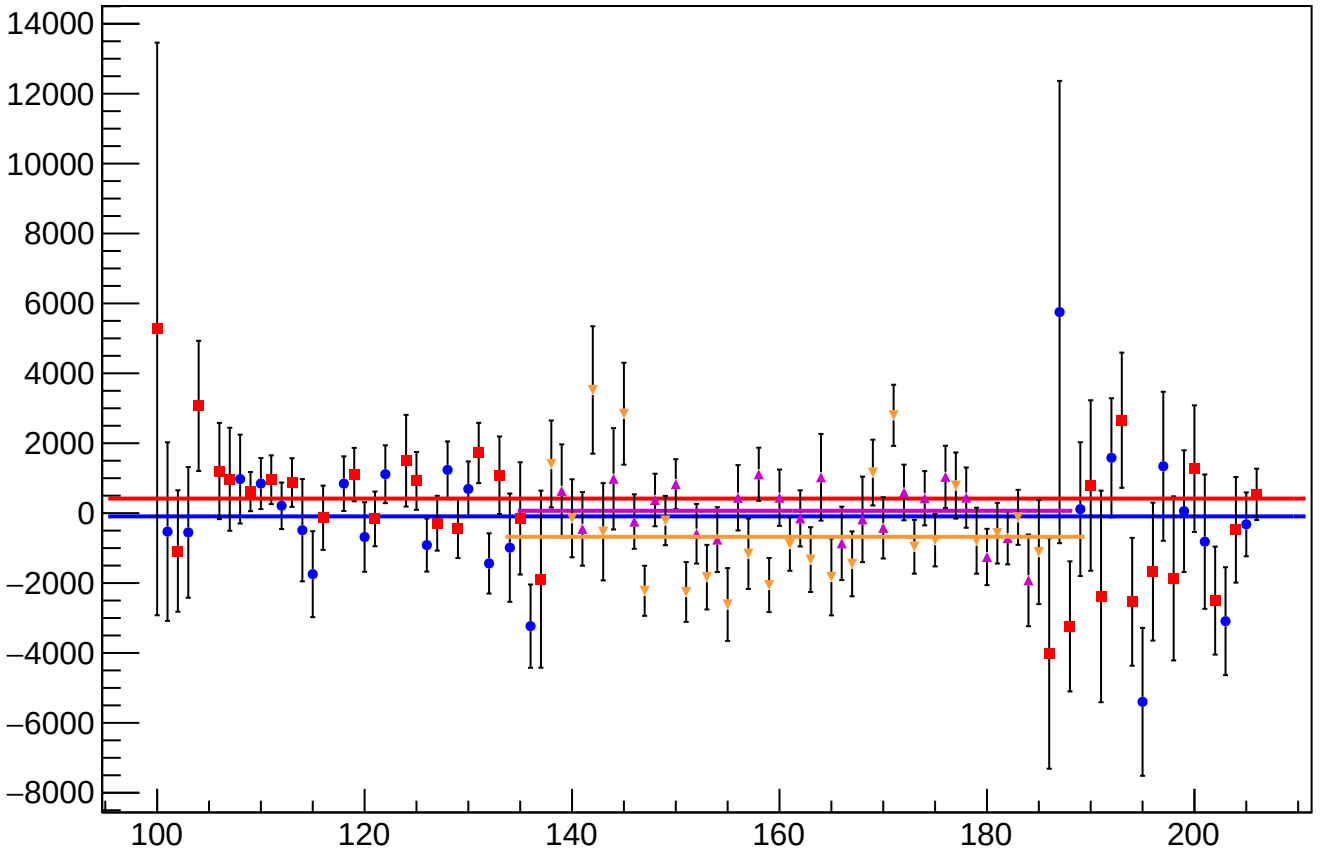
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2804.399+/-0.364 χ^2/NDF: 1282271.8/55

In: 2766.686+/-0.345 χ^2/NDF:758337.5/47

Out: 2768.789+/-0.330 χ^2/NDF:547303.4/55

All: 2767.787+/-0.238 χ^2/NDF: 1305660.3/10



Right In: -93.236+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 416.000+/-196.514 χ^2/NDF: 29.7/30

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

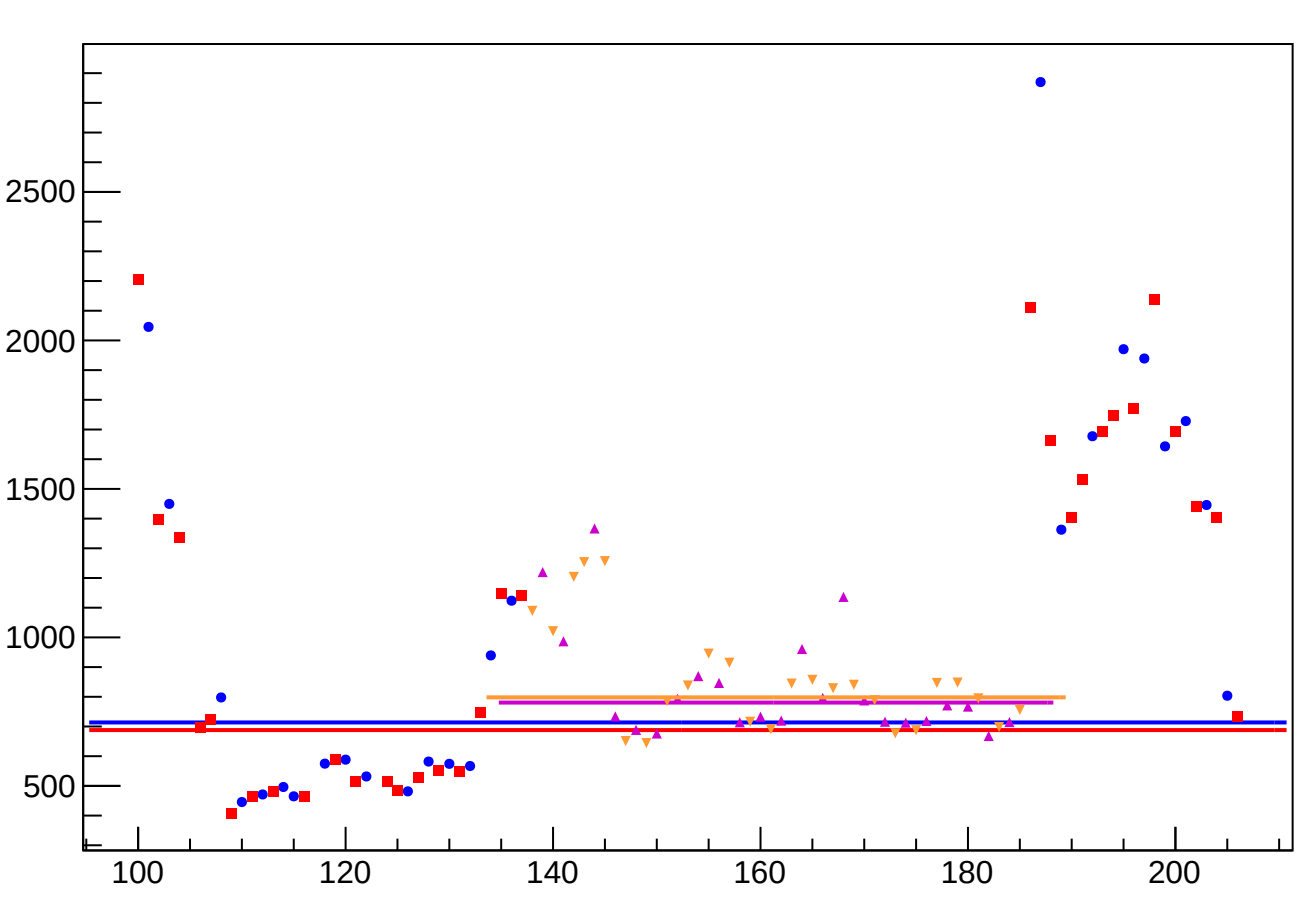
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 187.729+/-145.969 χ^2/NDF: 68.1/55

In: -0.170+/-141.253 χ^2/NDF:51.6/47

Out: -164.095+/-134.703 χ^2/NDF:102.3/55

All: -86.021+/-97.483 χ^2/NDF: 154.6/103



Right In: 713.602+/-0.154 χ^2/NDF: 6400269.0/24

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724033.4/30

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

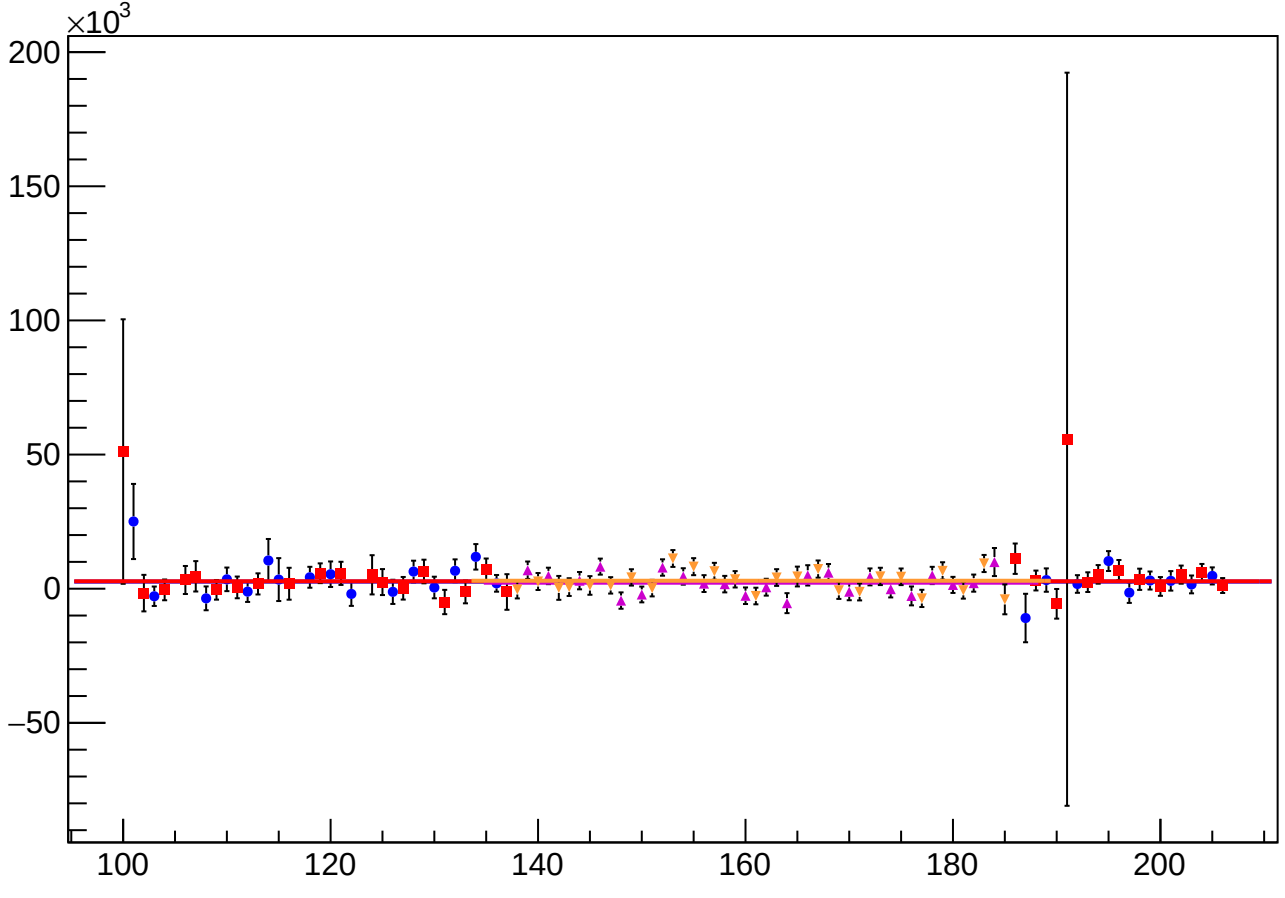
Right: 699.418+/-0.103 χ^2/NDF: 14139645.7/55

In: 752.433+/-0.100 χ^2/NDF:7574444.9/47

Out: 746.314+/-0.095 χ^2/NDF:9225796.9/55

All: 749.229+/-0.069 χ^2/NDF: 16802207.5/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2647.021+/-824.918 χ^2/NDF: 25.3/24

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2771.734+/-770.876 χ^2/NDF: 19.4/30

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

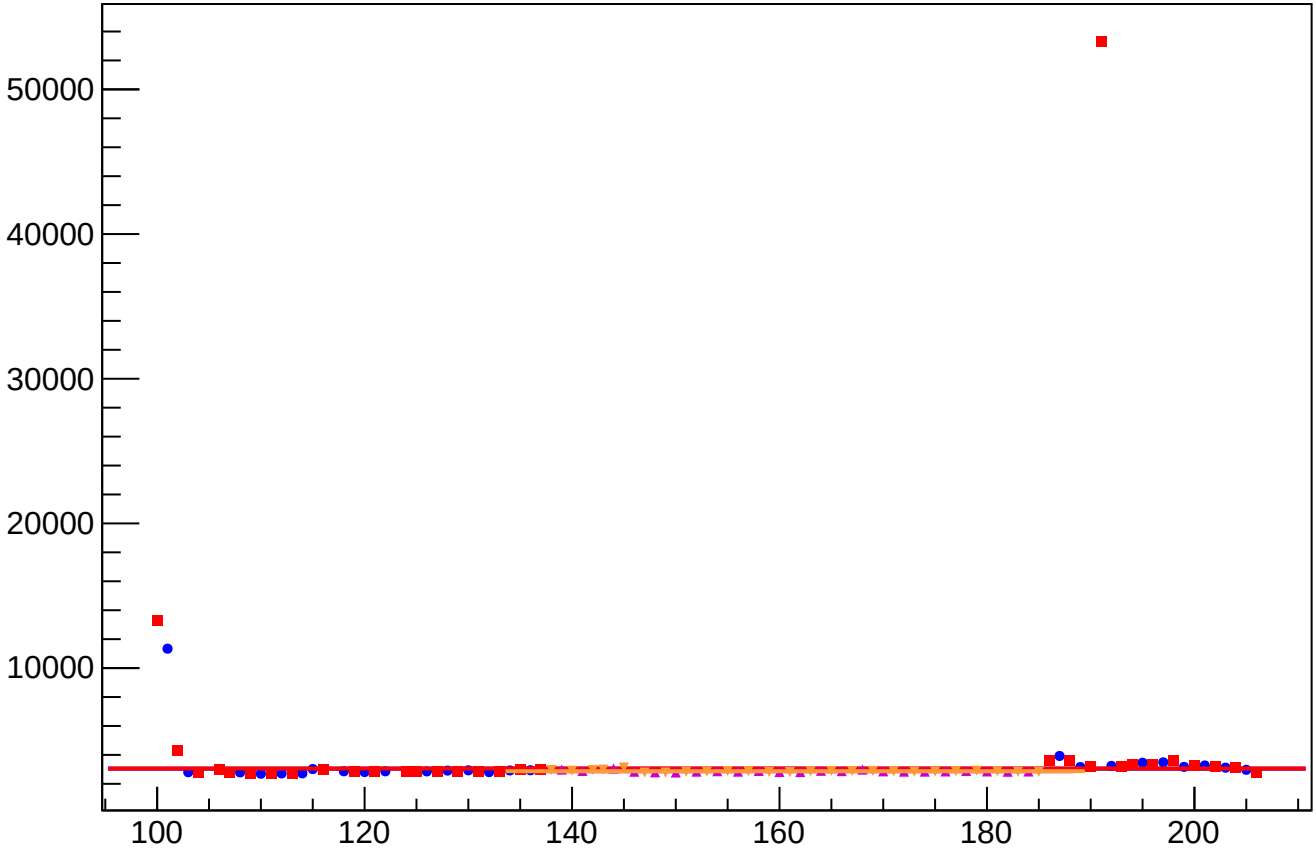
Right: 2713.596+/-563.228 χ^2/NDF: 44.6/55

In: 2400.366+/-520.225 χ^2/NDF:59.2/47

Out: 2886.740+/-498.389 χ^2/NDF:55.1/55

All: 2653.975+/-359.886 χ^2/NDF: 114.8/103

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3047.745+/-0.583 χ^2/NDF: 868221.4/24

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3059.914+/-0.545 χ^2/NDF: 733799.4/30

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

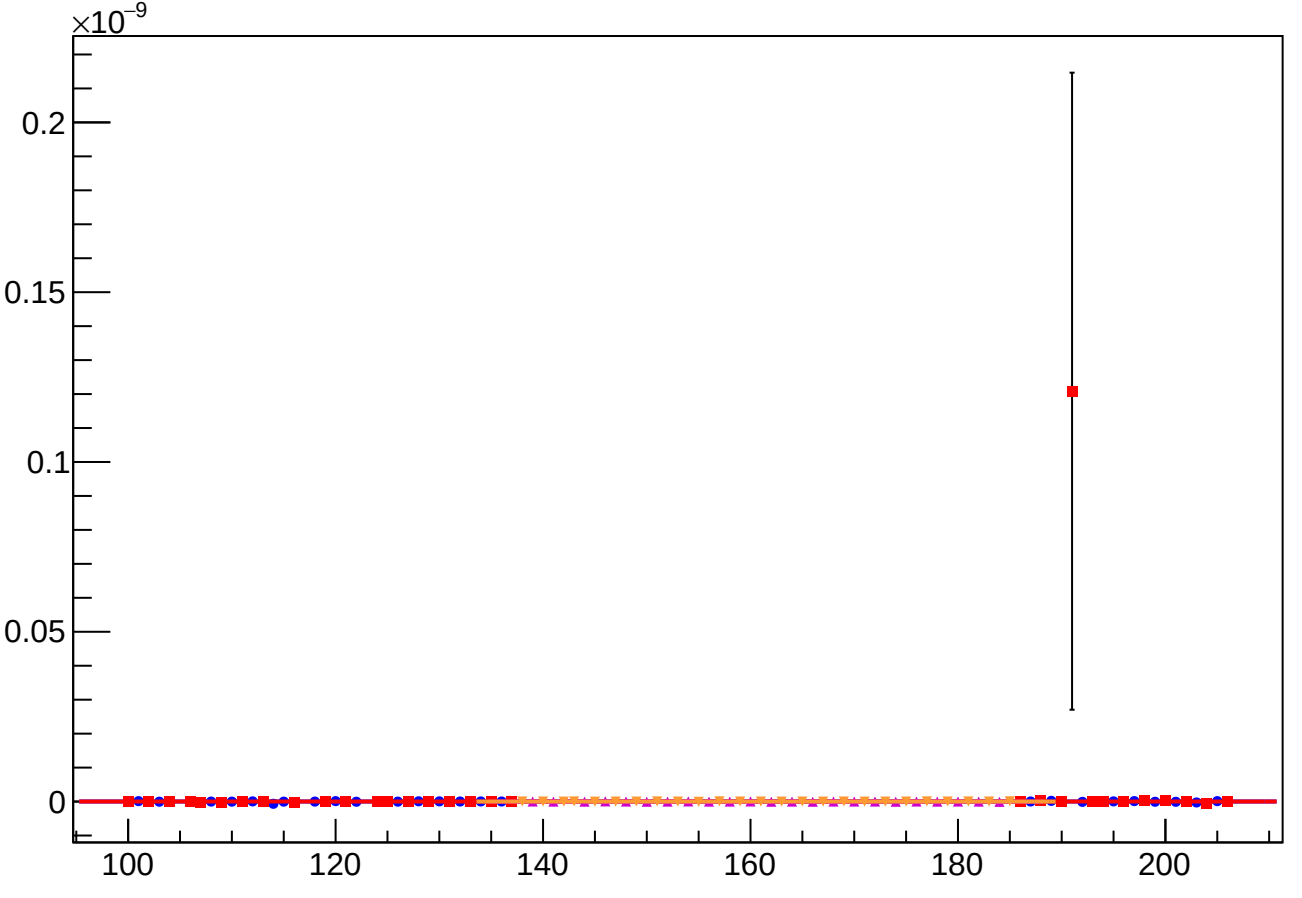
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3054.241+/-0.398 χ^2/NDF: 1602253.1/55

In: 2940.782+/-0.368 χ^2/NDF:941738.3/47

Out: 2952.254+/-0.352 χ^2/NDF:822614.8/55

All: 2946.764+/-0.254 χ^2/NDF: 1764860.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.1/30

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

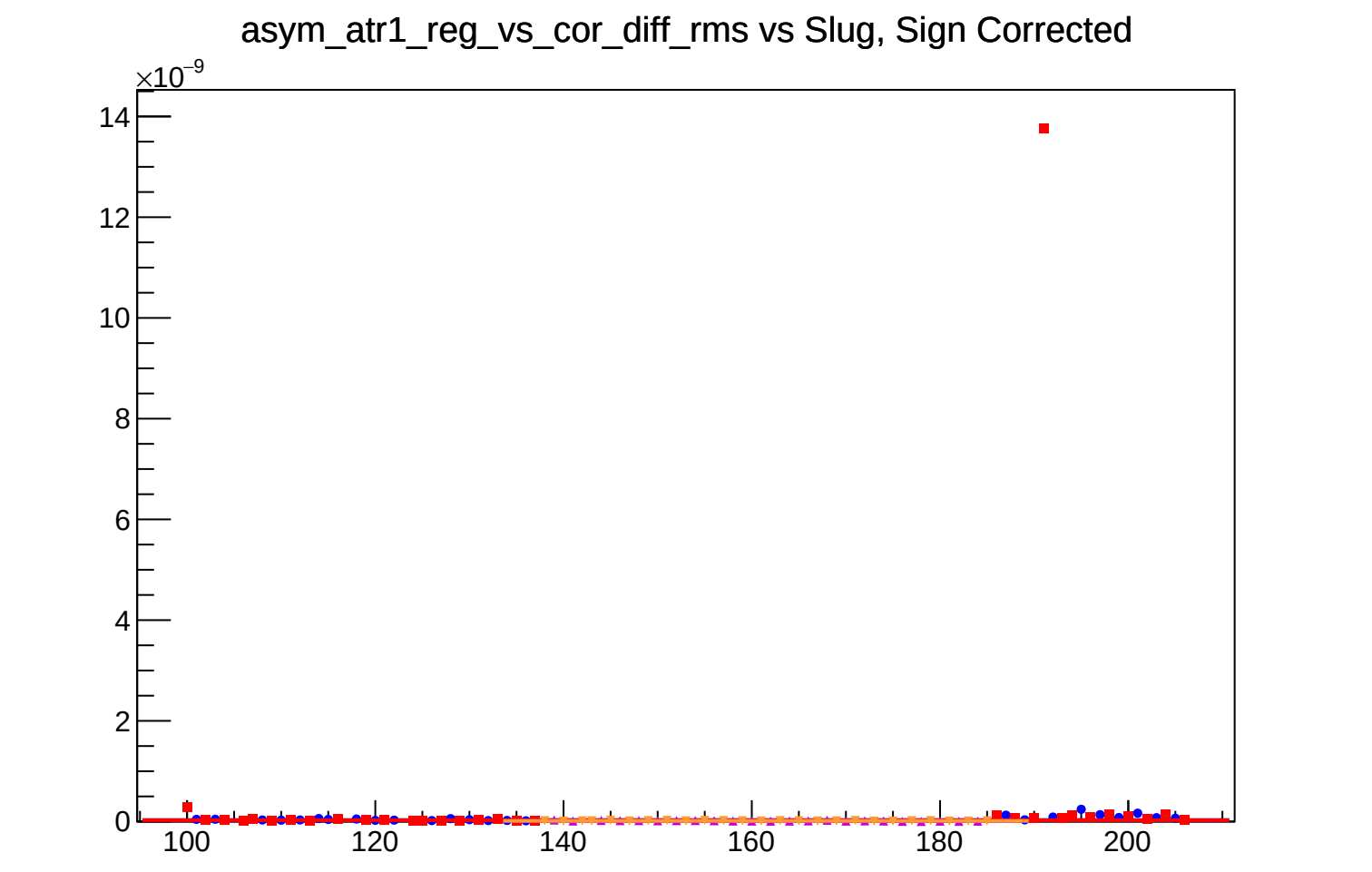
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 59.1/55

In: -0.000+/-0.000 χ^2/NDF:49.4/47

Out: 0.000+/-0.000 χ^2/NDF:55.0/55

All: -0.000+/-0.000 χ^2/NDF: 105.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 3595164.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3508270.9/30

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

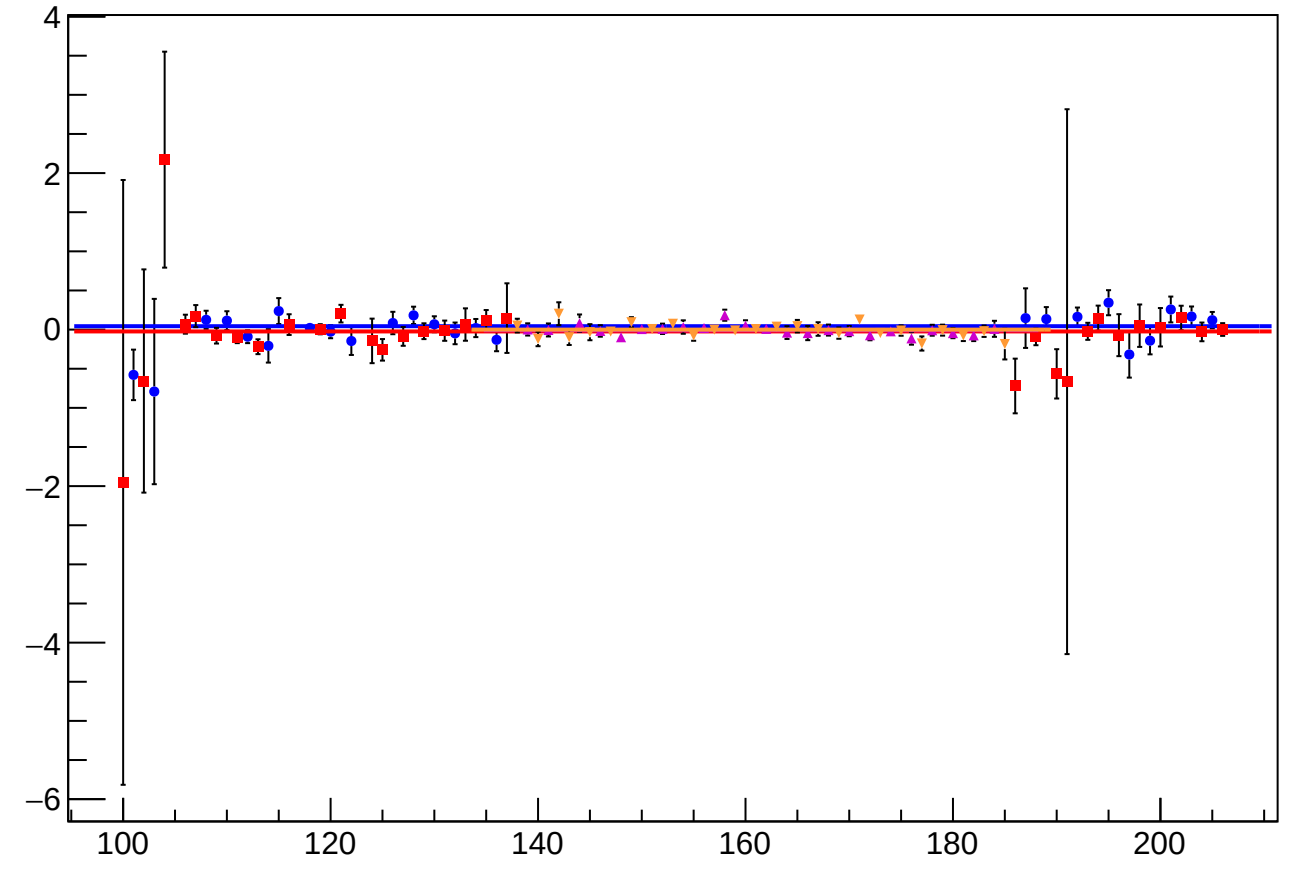
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7123802.7/55

In: 0.000+/-0.000 χ^2/NDF:9413667.7/47

Out: 0.000+/-0.000 χ^2/NDF:6453867.5/55

All: 0.000+/-0.000 χ^2/NDF: 16150854.9/103



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.023+/-0.024 χ^2/NDF: 30.8/30

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

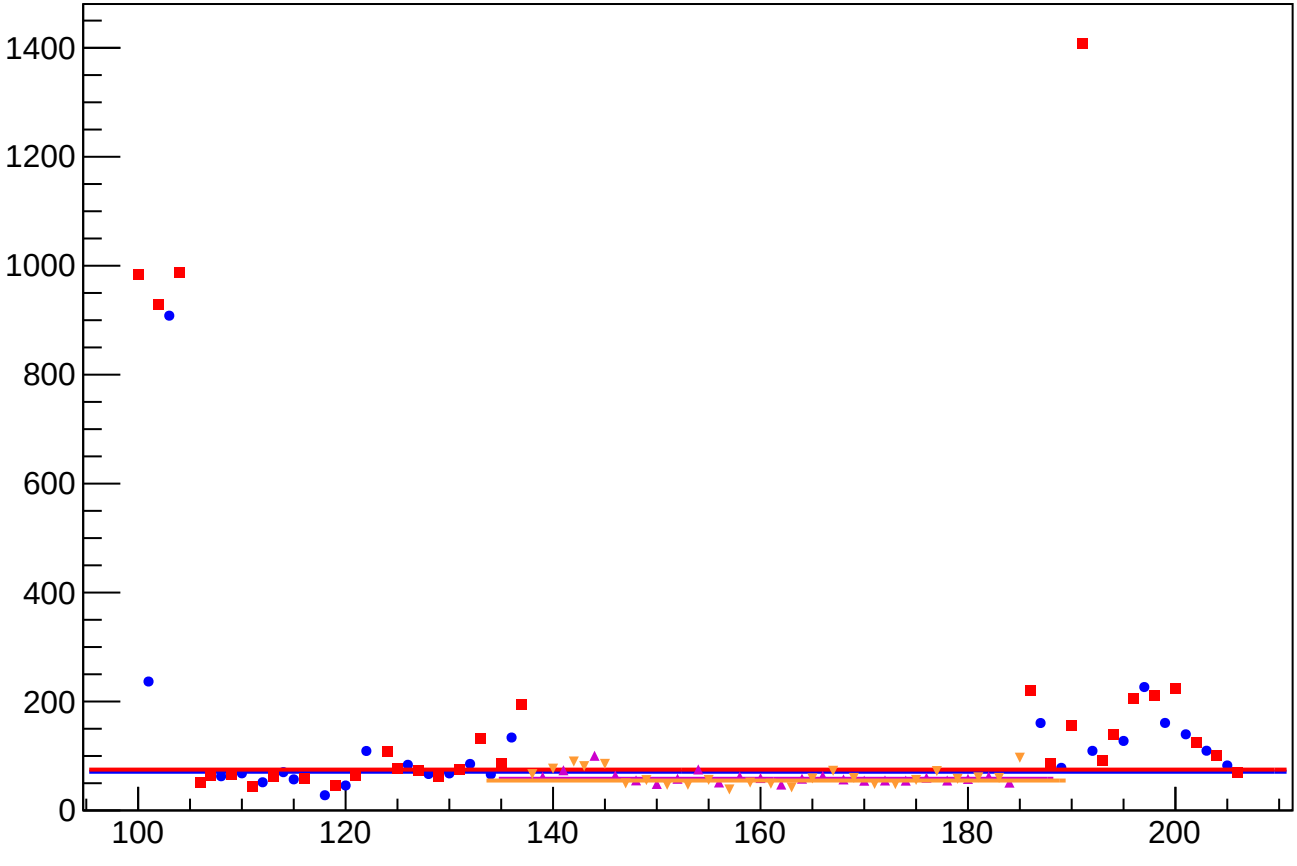
Right: 0.009+/-0.017 χ^2/NDF: 61.5/55

In: 0.006+/-0.013 χ^2/NDF:45.6/47

Out: -0.006+/-0.012 χ^2/NDF:54.1/55

All: -0.001+/-0.009 χ^2/NDF: 100.1/103

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

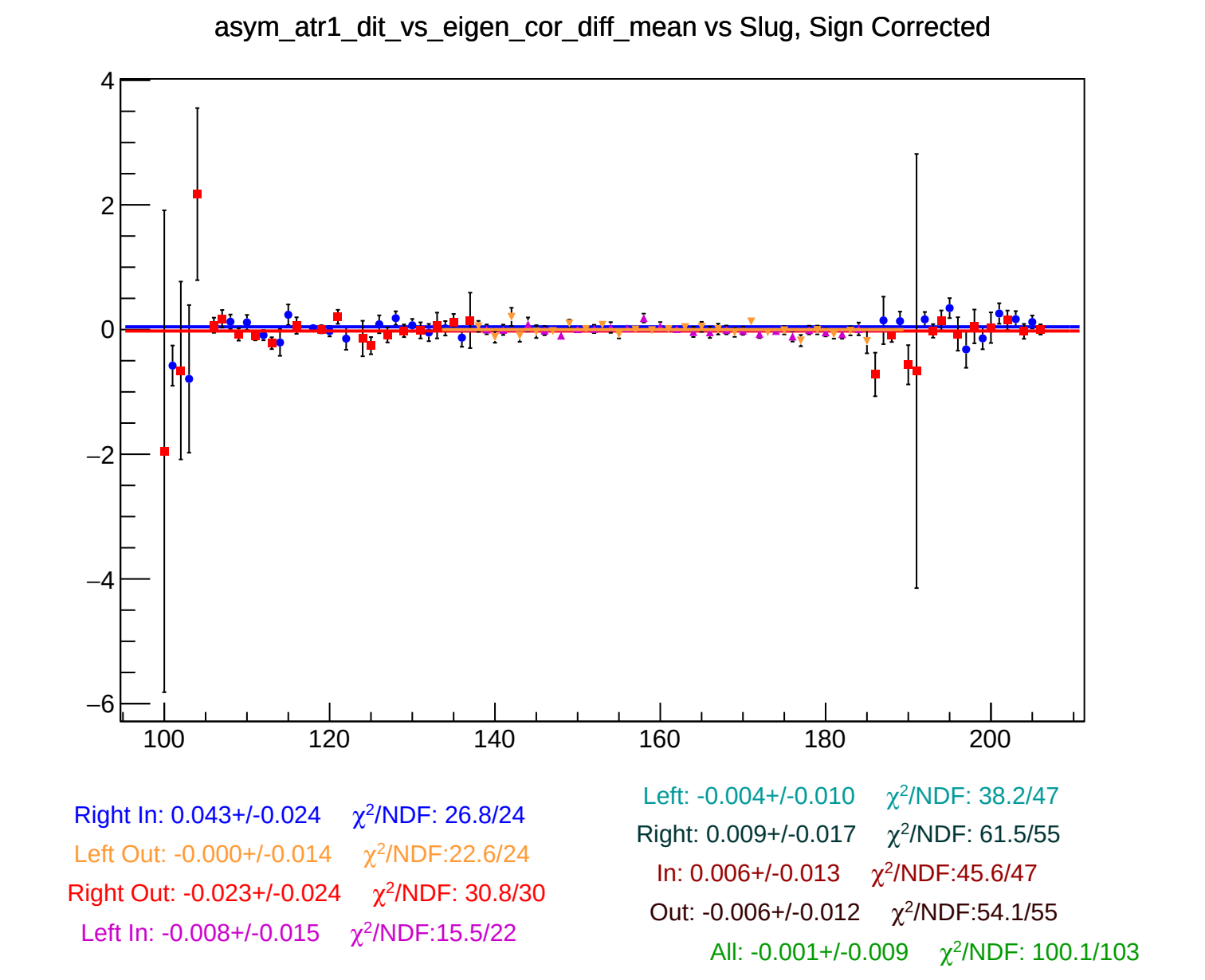
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

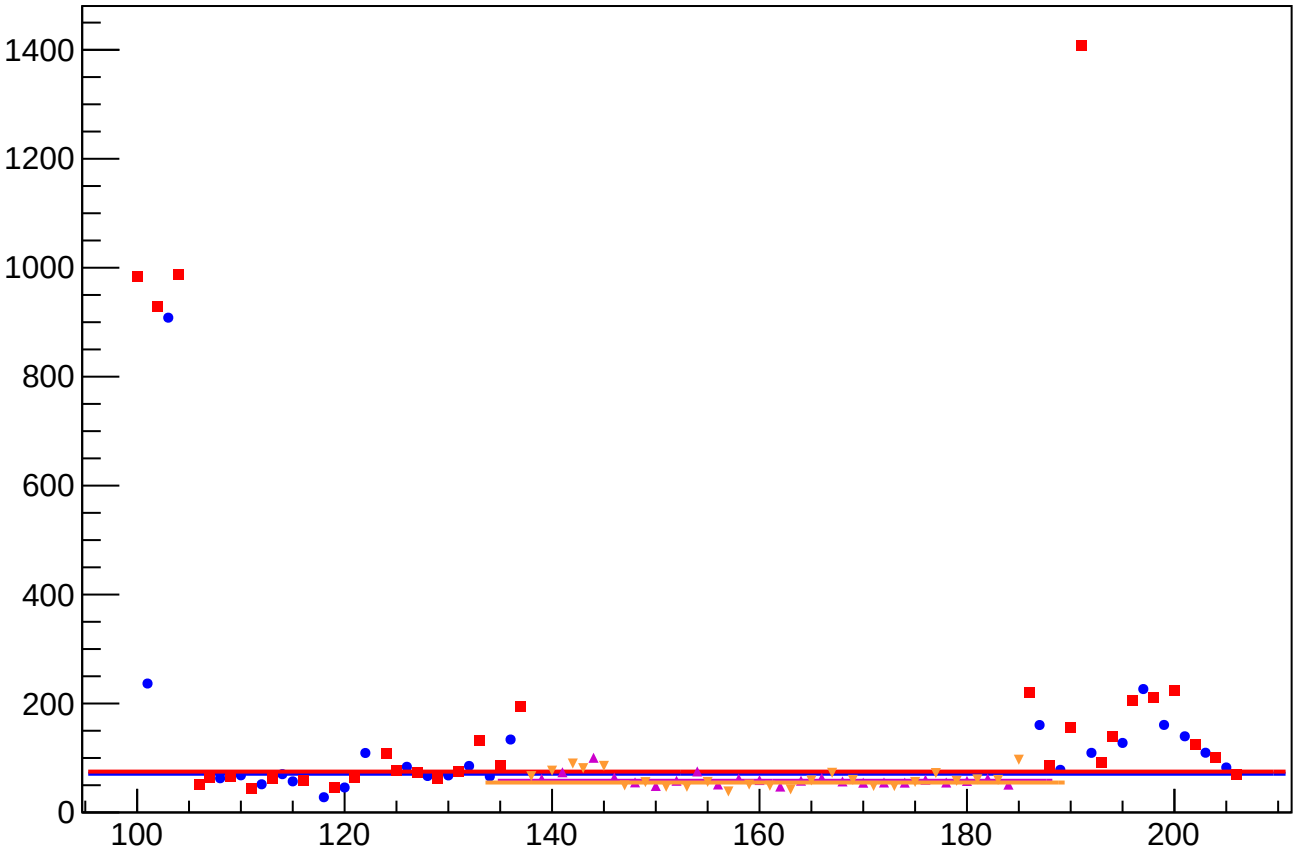
Right: 73.100+/-0.012 χ^2/NDF: 12148458.6/55

In: 61.631+/-0.009 χ^2/NDF:6952898.1/47

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.900+/-0.006 χ^2/NDF: 15571105.0/103


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.043+/-0.024 χ²/NDF: 26.8/24
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.023+/-0.024 χ²/NDF: 30.8/30
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.009+/-0.017 χ²/NDF: 61.5/55
In: 0.006+/-0.013 χ²/NDF:45.6/47
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.001+/-0.009 χ²/NDF: 100.1/103



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

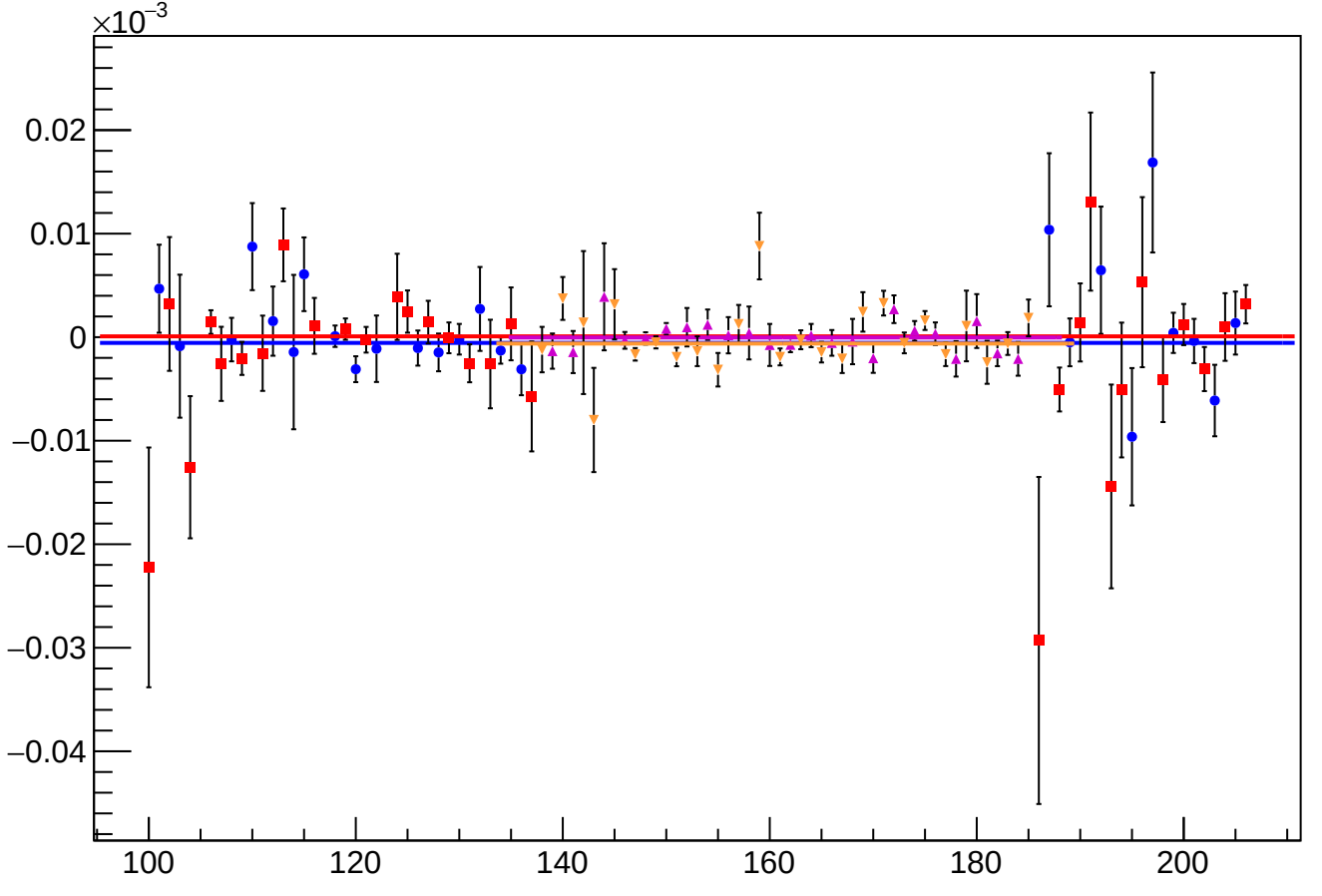
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 73.100+/-0.012 χ^2/NDF: 12148458.6/55

In: 61.631+/-0.009 χ^2/NDF:6952898.1/47

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.900+/-0.006 χ^2/NDF: 15571105.0/103



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

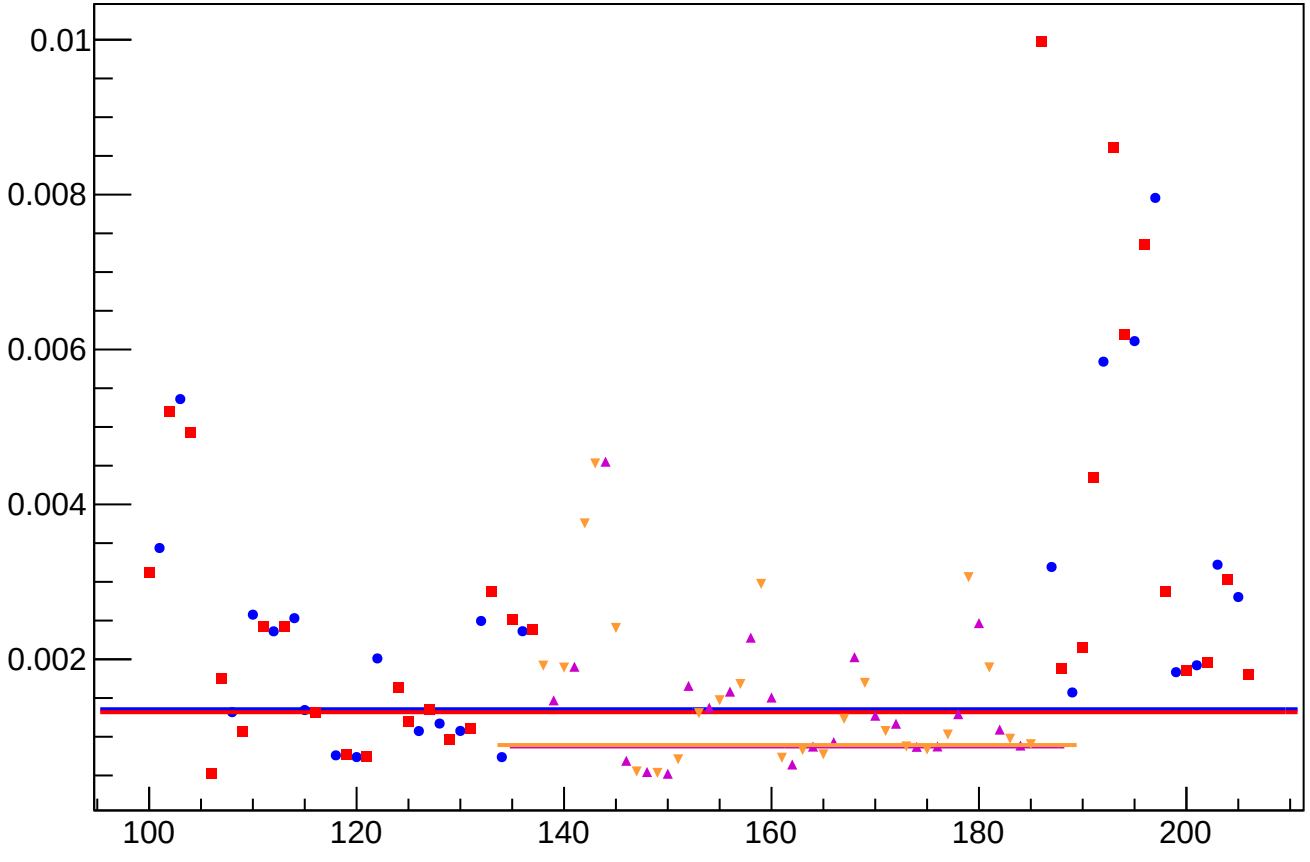
Right: -0.000+/-0.000 χ^2/NDF: 77.1/55

In: -0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:101.0/55

All: -0.000+/-0.000 χ^2/NDF: 151.2/103

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8577072.6/24

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10179972.1/30

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

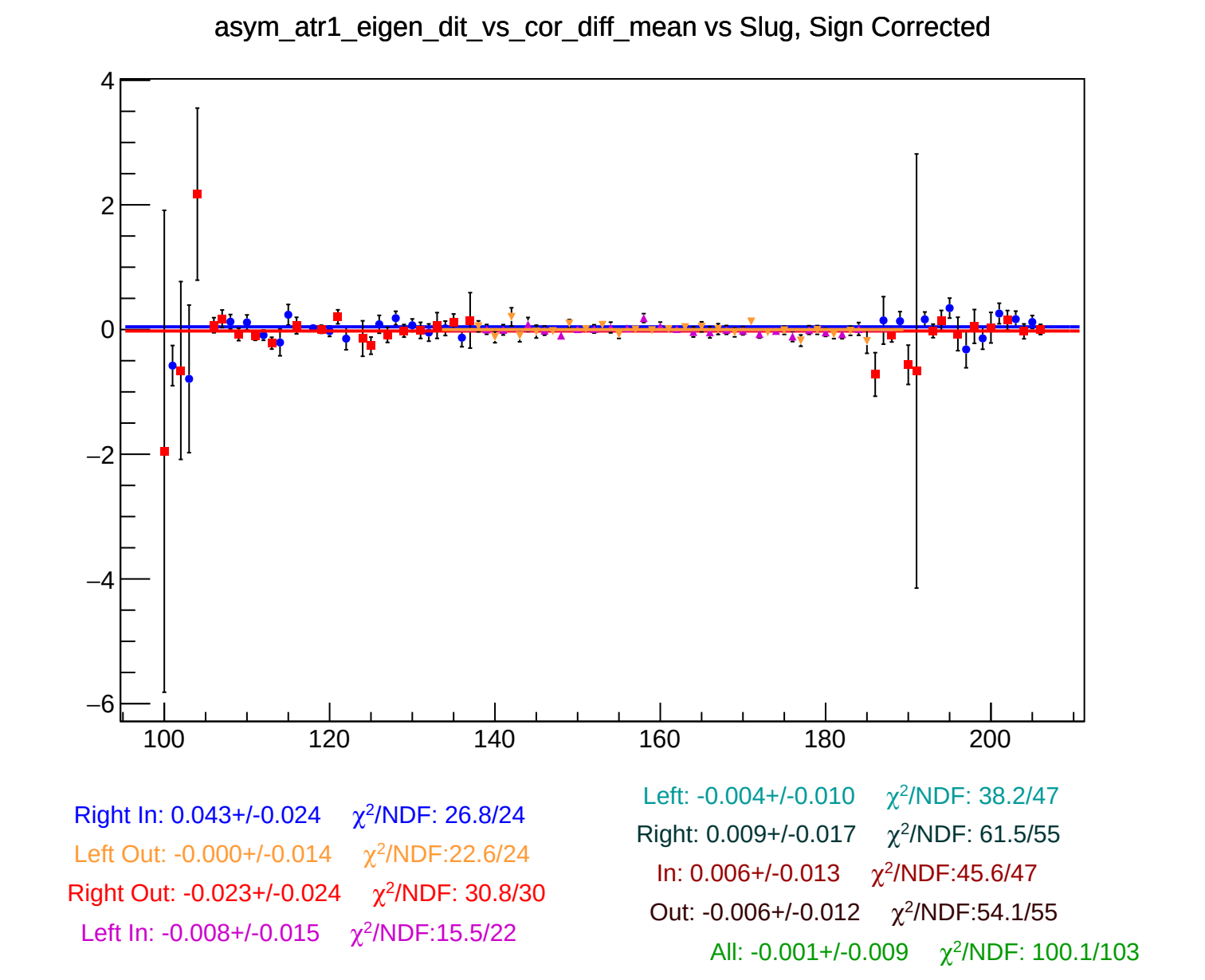
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

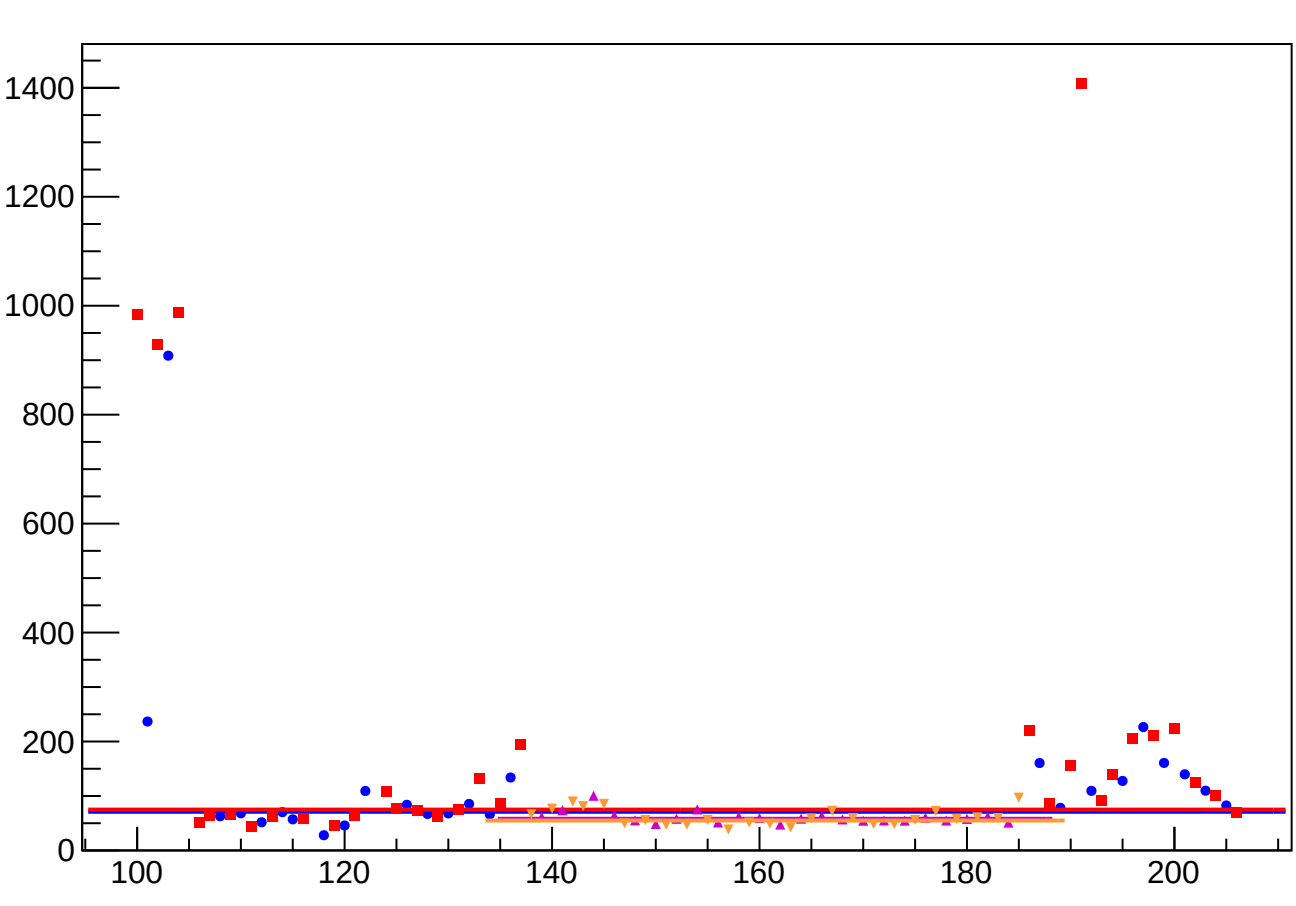
Right: 0.001+/-0.000 χ^2/NDF: 18765030.9/55

In: 0.001+/-0.000 χ^2/NDF:17374691.4/47

Out: 0.001+/-0.000 χ^2/NDF:19525861.9/55

All: 0.001+/-0.000 χ^2/NDF: 36905550.2/103


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.043+/-0.024 χ²/NDF: 26.8/24
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.023+/-0.024 χ²/NDF: 30.8/30
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.009+/-0.017 χ²/NDF: 61.5/55
In: 0.006+/-0.013 χ²/NDF:45.6/47
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.001+/-0.009 χ²/NDF: 100.1/103



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

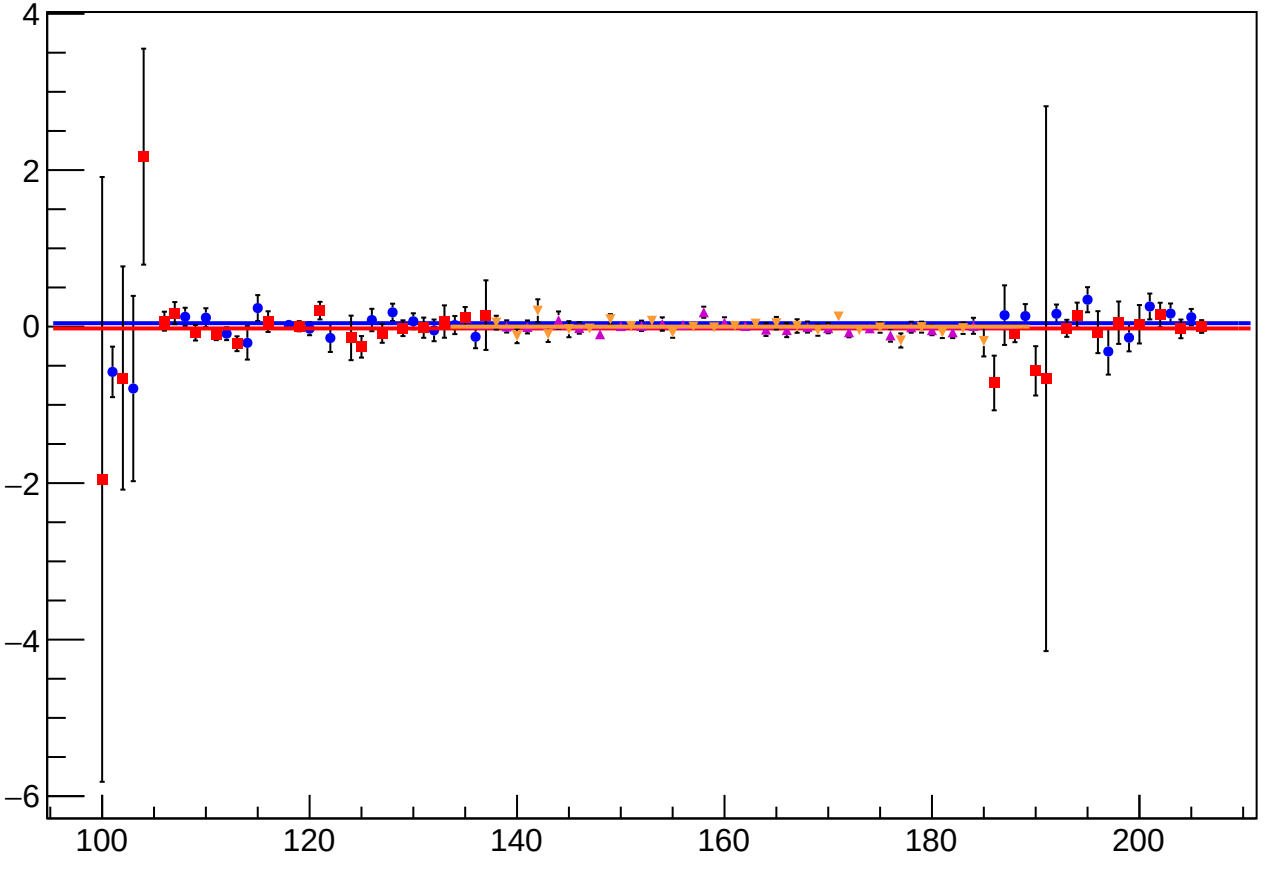
Right: 73.100+/-0.012 χ^2/NDF: 12148641.6/55

In: 61.630+/-0.009 χ^2/NDF:6953020.0/47

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.900+/-0.006 χ^2/NDF: 15571363.7/103

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.023+/-0.024 χ^2/NDF: 30.8/30

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

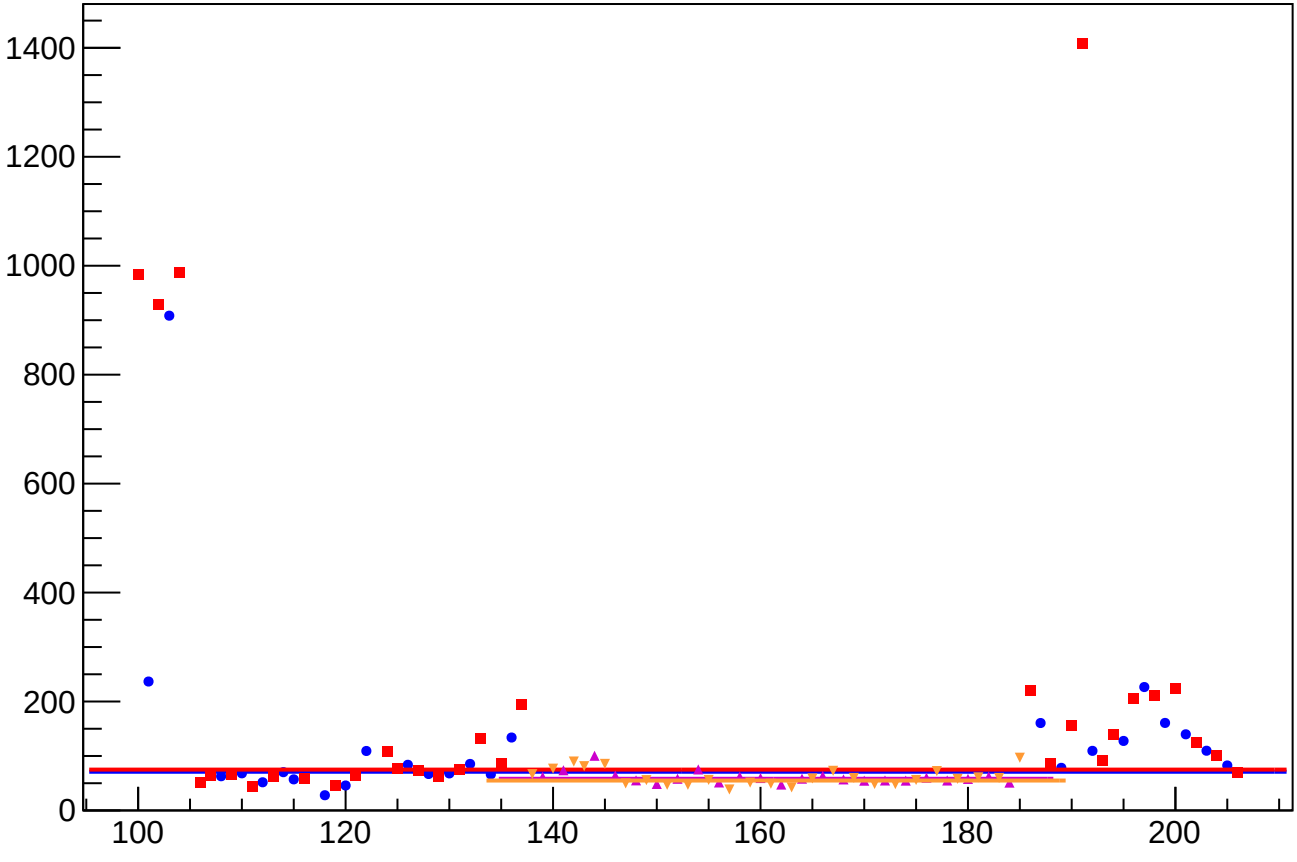
Right: 0.009+/-0.017 χ^2/NDF: 61.5/55

In: 0.006+/-0.013 χ^2/NDF:45.6/47

Out: -0.006+/-0.012 χ^2/NDF:54.1/55

All: -0.001+/-0.009 χ^2/NDF: 100.1/103

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

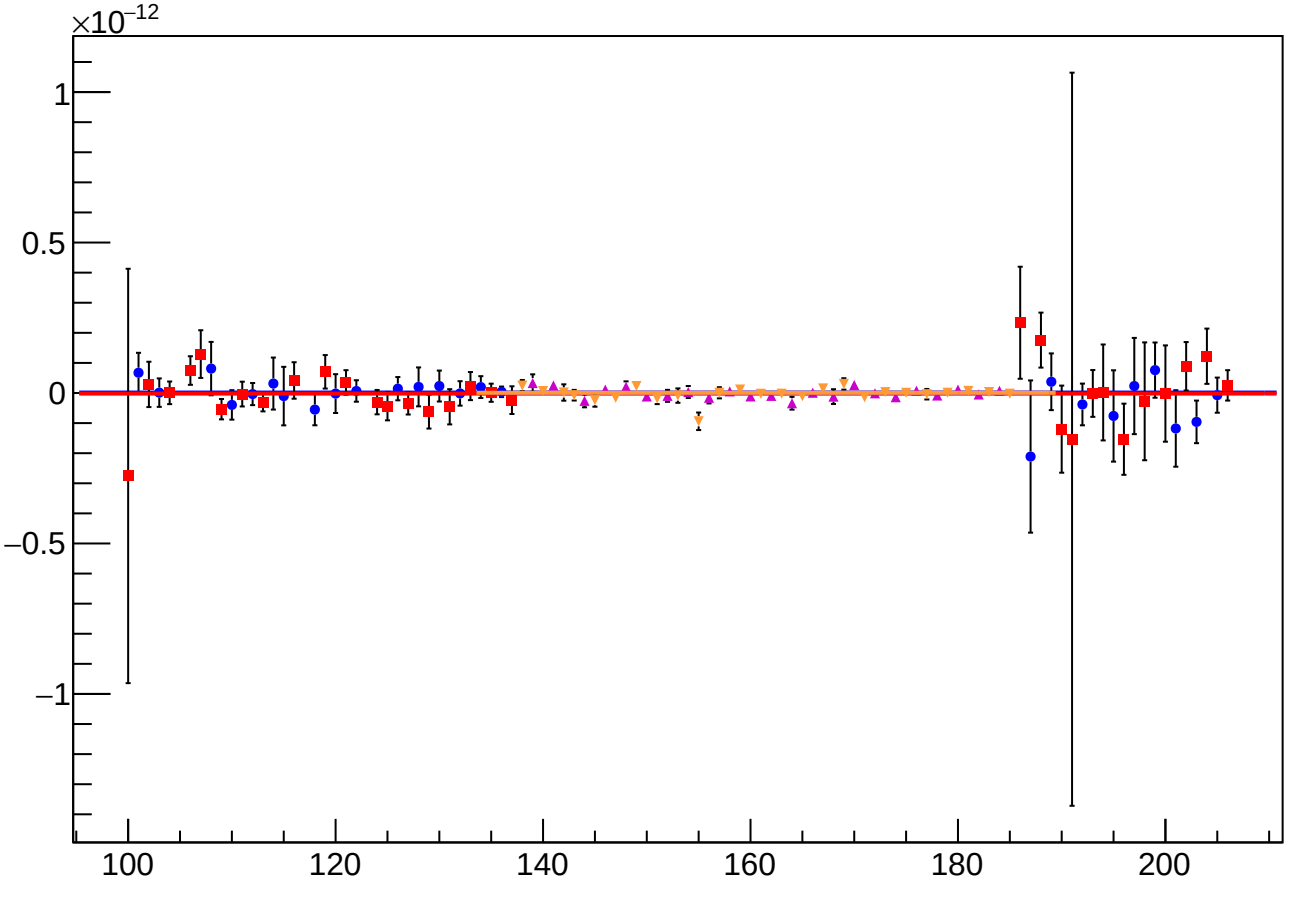
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 73.100+/-0.012 χ^2/NDF: 12148641.6/55

In: 61.630+/-0.009 χ^2/NDF:6953020.0/47

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.900+/-0.006 χ^2/NDF: 15571363.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

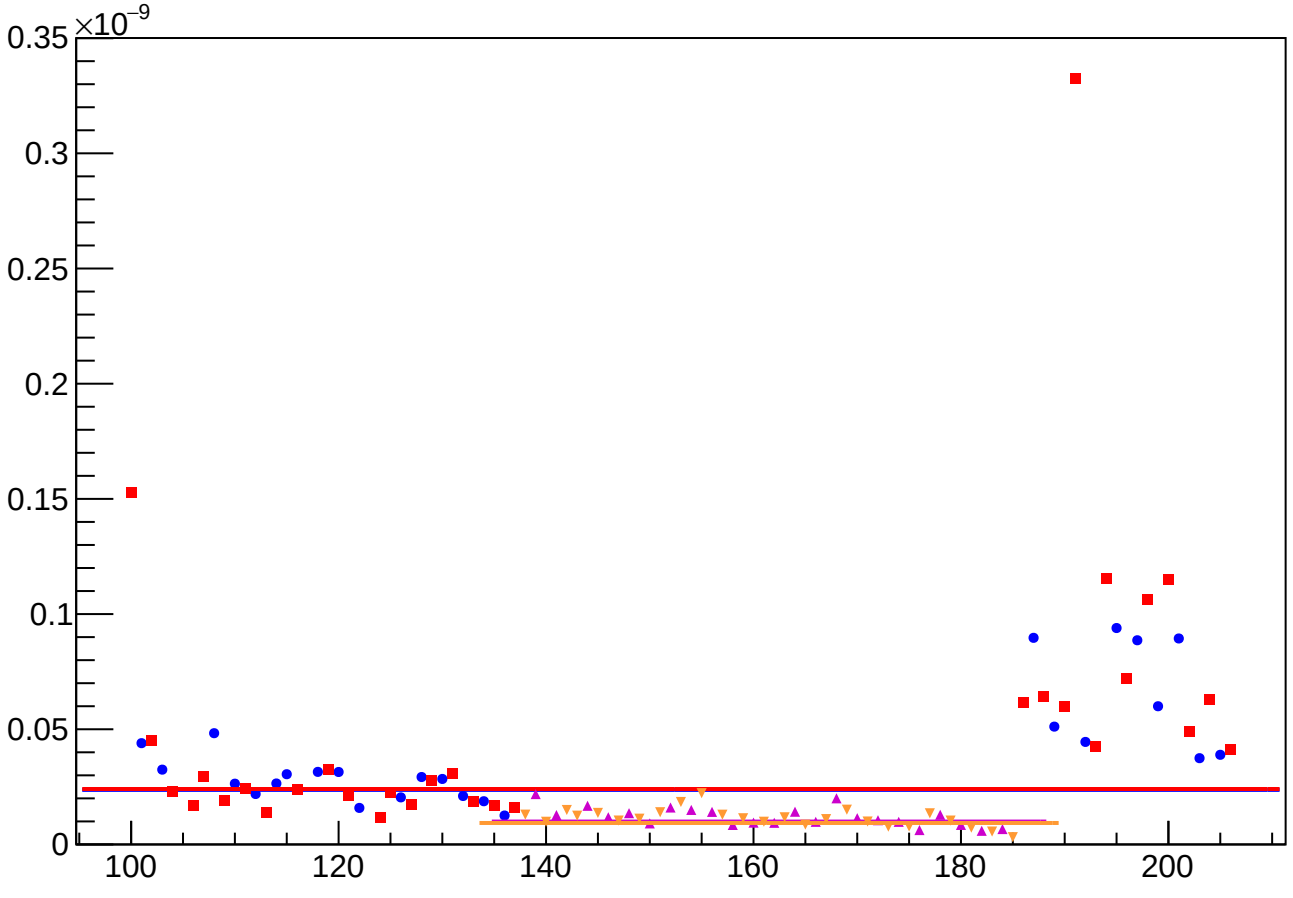
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/55

In: 0.000+/-0.000 χ^2/NDF:29.7/47

Out: 0.000+/-0.000 χ^2/NDF:52.9/55

All: 0.000+/-0.000 χ^2/NDF: 82.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 3807241.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4716829.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

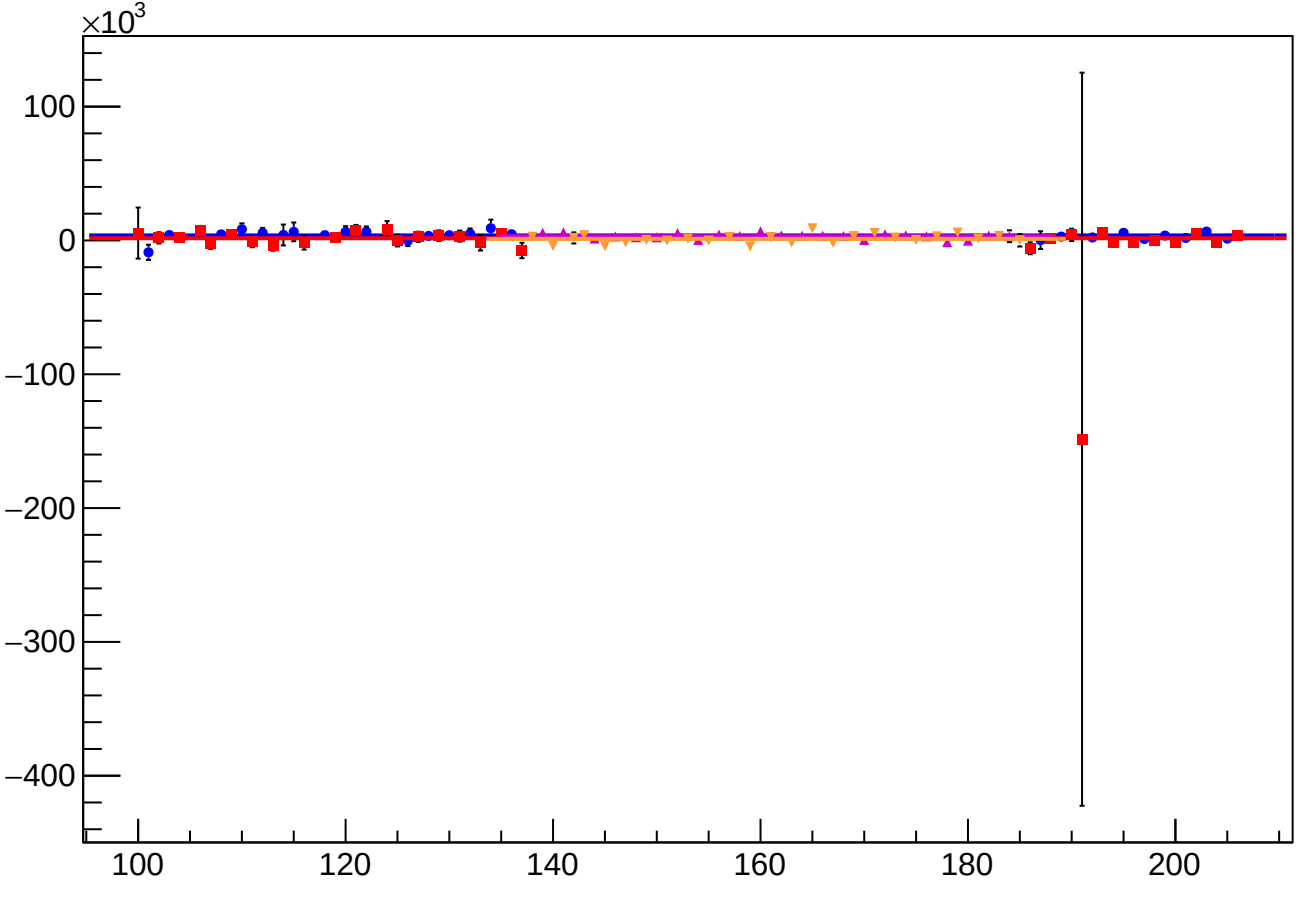
Right: 0.000+/-0.000 χ^2/NDF: 8525604.2/55

In: 0.000+/-0.000 χ^2/NDF:10055612.1/47

Out: 0.000+/-0.000 χ^2/NDF:12191909.8/55

All: 0.000+/-0.000 χ^2/NDF: 22302298.5/103

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3753.188+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.039+/-656.311 χ^2/NDF: 27.8/30

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

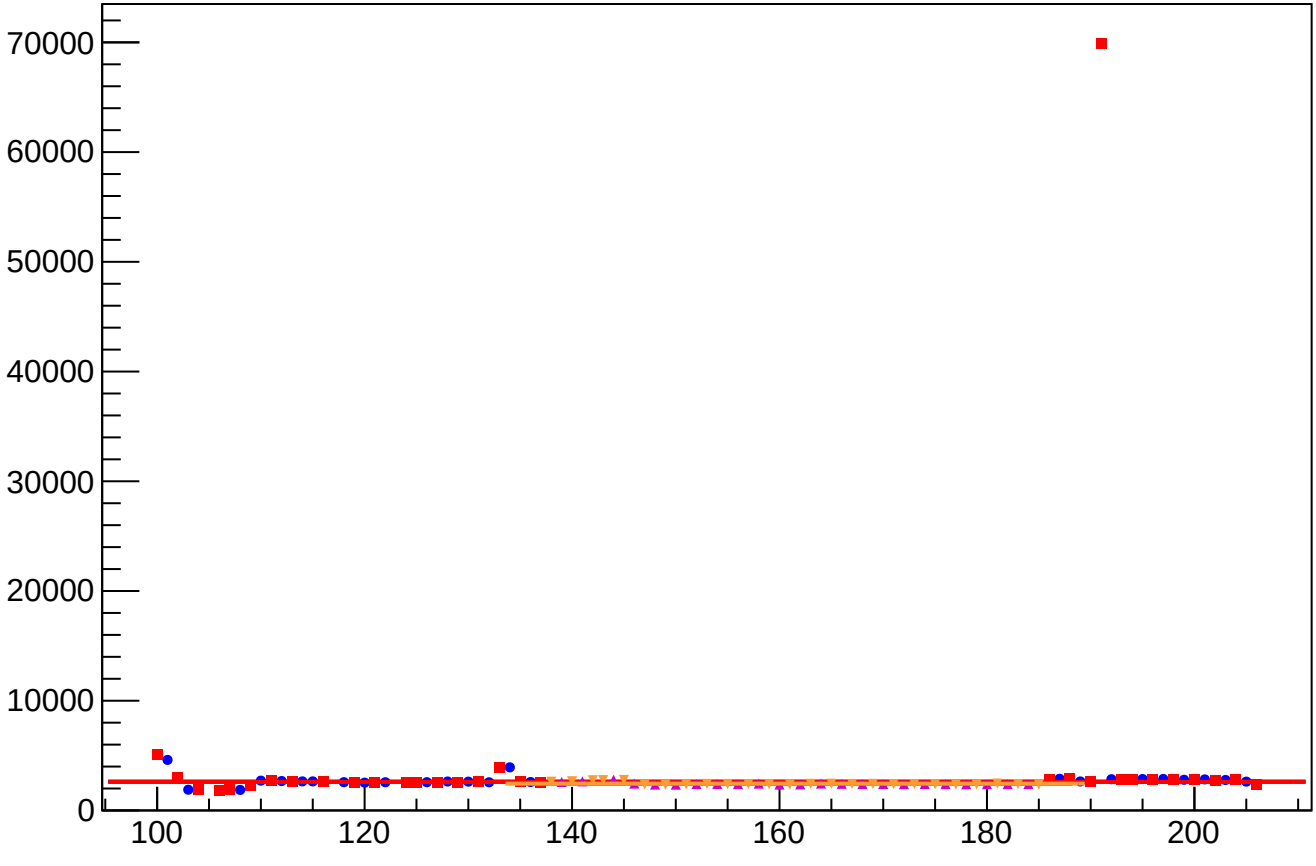
Right: 2612.148+/-481.820 χ^2/NDF: 45.5/55

In: 3384.601+/-444.015 χ^2/NDF:26.0/47

Out: 1375.780+/-424.340 χ^2/NDF:59.2/55

All: 2334.697+/-306.774 χ^2/NDF: 95.9/103

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.795+/-0.502 χ^2/NDF: 700888.9/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.291+/-0.464 χ^2/NDF: 754901.9/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

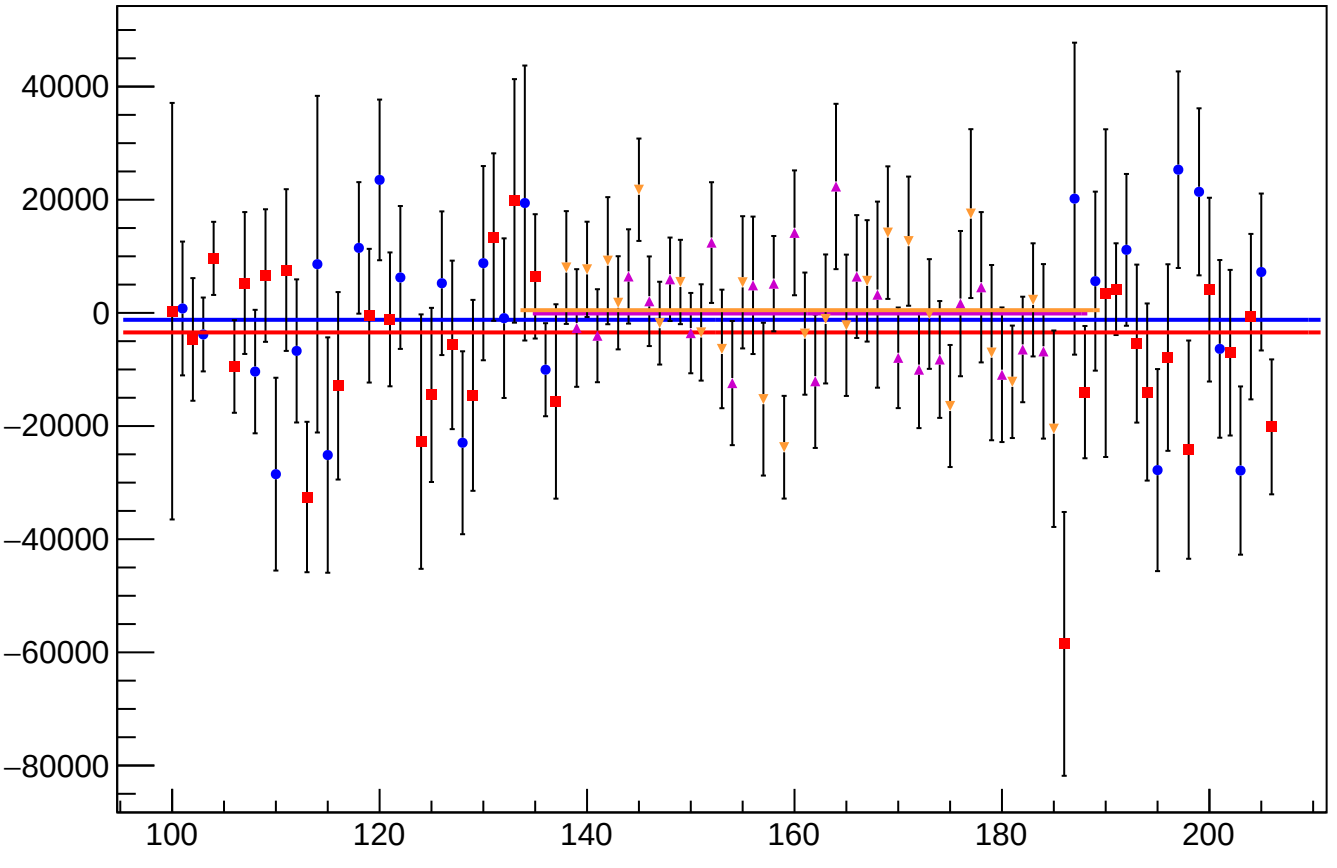
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.277+/-0.341 χ^2/NDF: 1458052.5/55

In: 2512.631+/-0.314 χ^2/NDF:852776.4/47

Out: 2509.979+/-0.300 χ^2/NDF:908557.1/55

All: 2511.245+/-0.217 χ^2/NDF: 1761370.8/10



Right In: -1221.969+/-2659.338 χ^2/NDF: 26.2/24

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -3452.601+/-2330.086 χ^2/NDF: 28.5/30

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

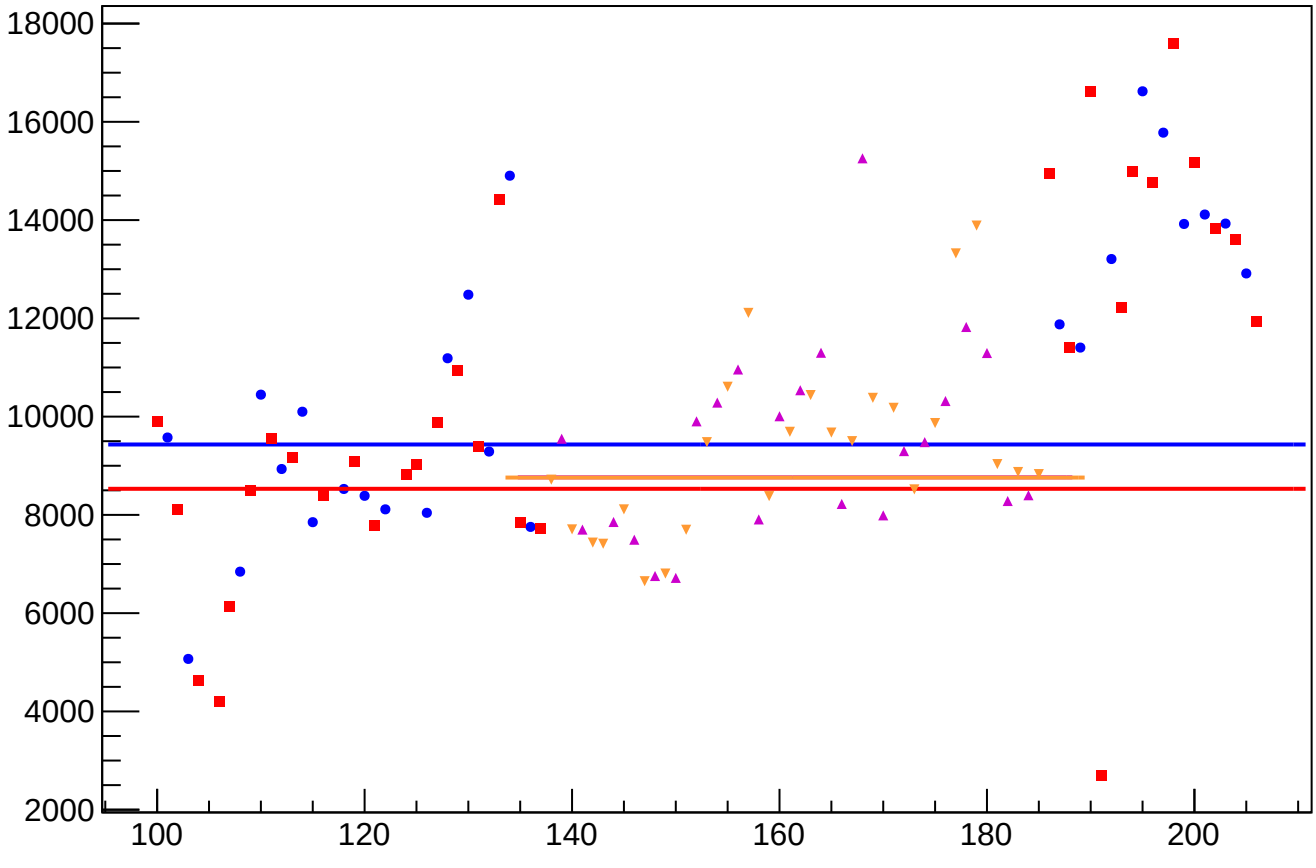
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2483.846+/-1752.534 χ^2/NDF: 55.0/55

In: -531.680+/-1643.686 χ^2/NDF:40.8/47

Out: -1224.174+/-1533.154 χ^2/NDF:57.5/55

All: -901.992+/-1121.144 χ^2/NDF: 98.3/103



Right In: 9432.927+/-1.880 χ^2/NDF: 2837320.4/24

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8530.906+/-1.648 χ^2/NDF: 5294195.5/30

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

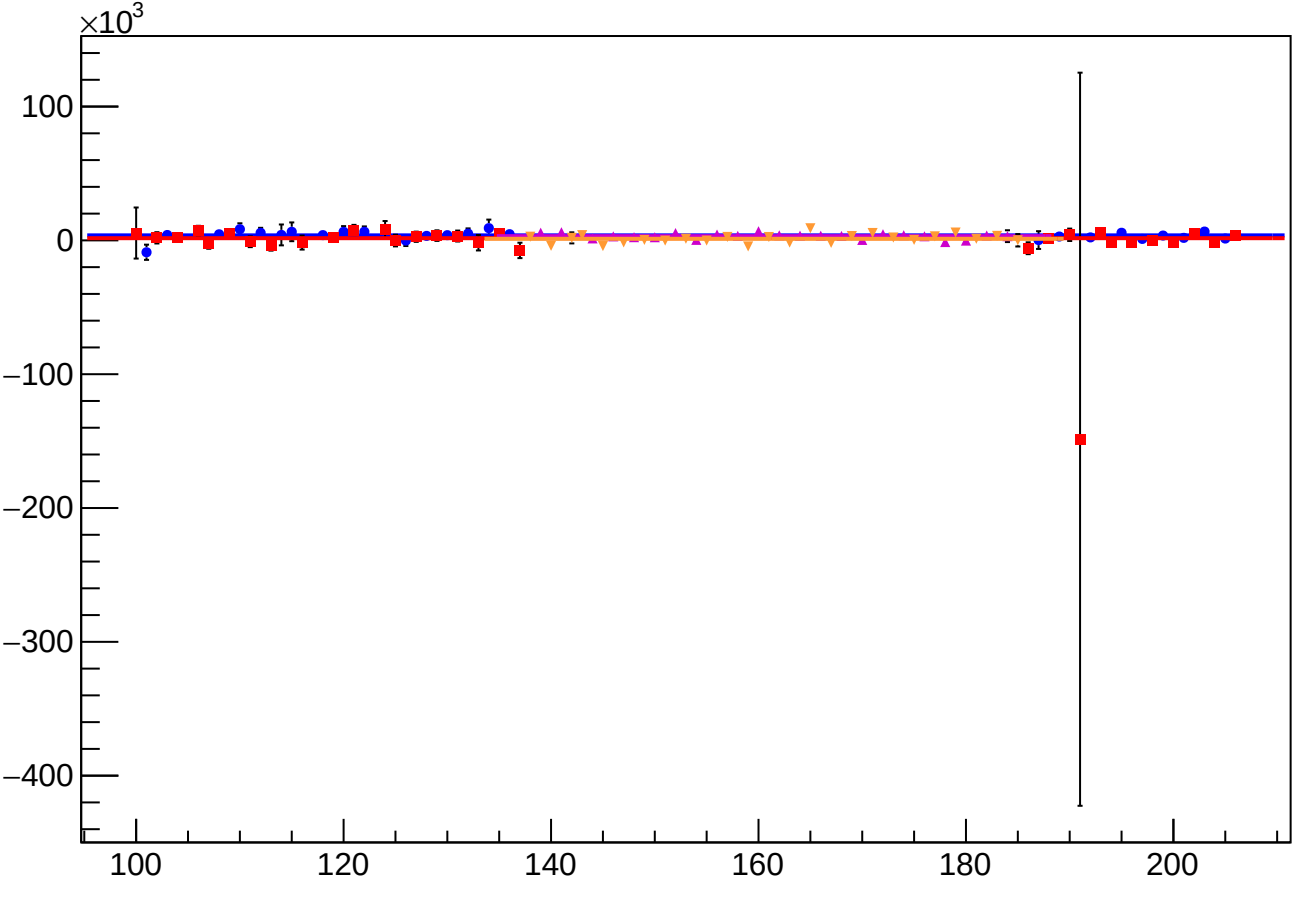
Right: 8922.650+/-1.239 χ^2/NDF: 8261684.4/55

In: 9019.631+/-1.162 χ^2/NDF:4207188.0/47

Out: 8660.609+/-1.084 χ^2/NDF:6527362.0/55

All: 8827.644+/-0.793 χ^2/NDF: 10785575.5/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.380+/-656.314 χ^2/NDF: 27.8/30

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

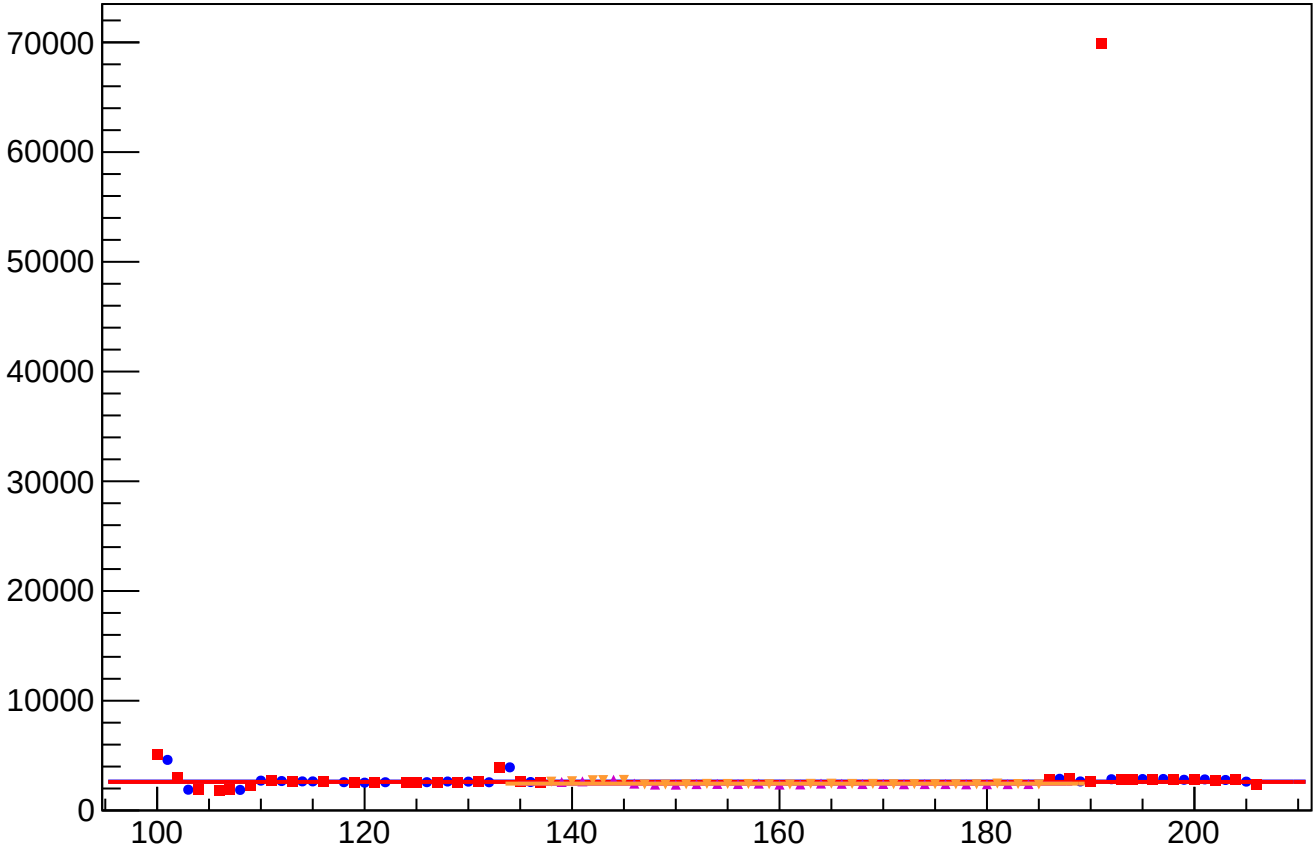
Right: 2612.250+/-481.821 χ^2/NDF: 45.5/55

In: 3384.407+/-444.015 χ^2/NDF:26.0/47

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2334.629+/-306.774 χ^2/NDF: 95.9/103

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

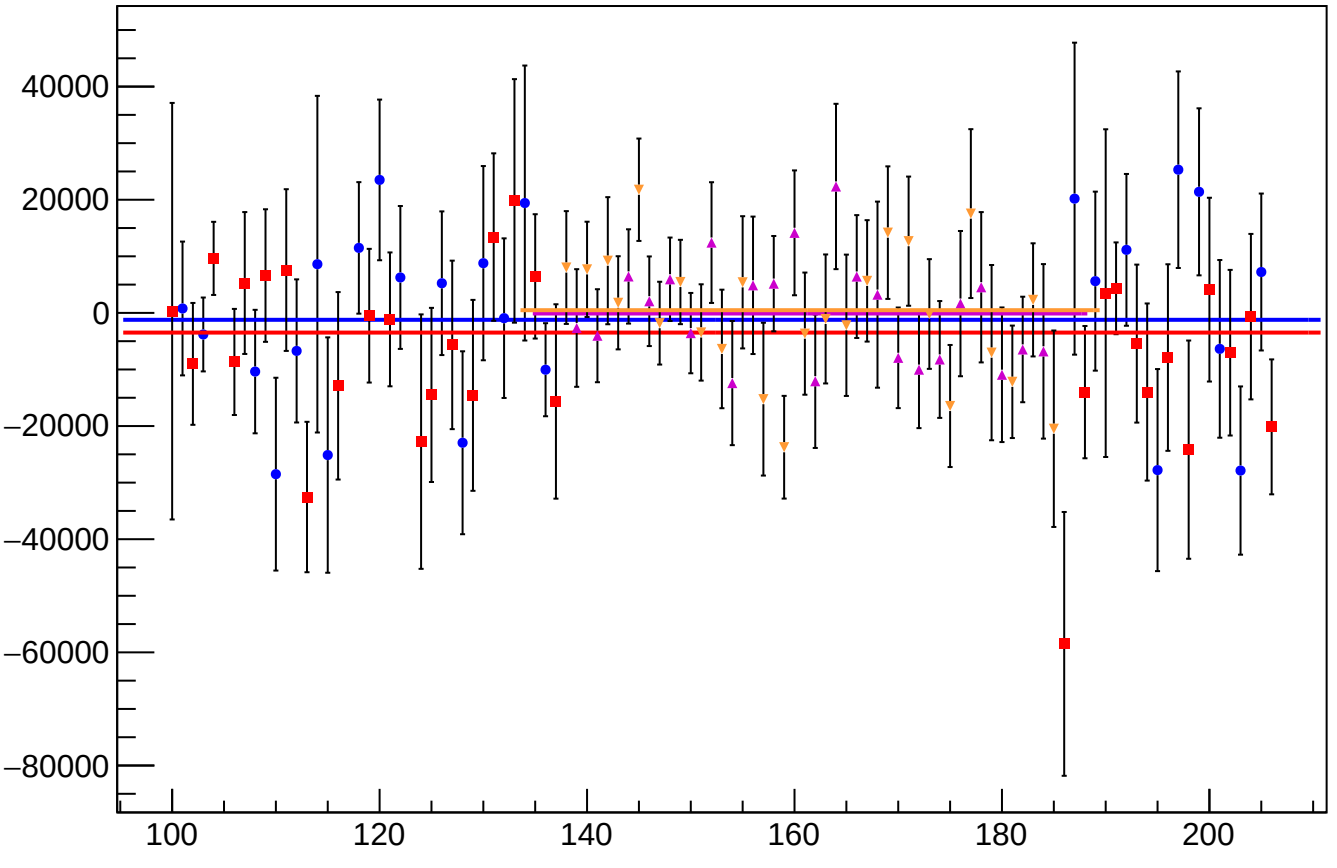
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.285+/-0.341 χ^2/NDF: 1457975.6/55

In: 2512.631+/-0.314 χ^2/NDF:852774.1/47

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2511.248+/-0.217 χ^2/NDF: 1761306.9/10



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3479.674+/-2352.245 χ^2/NDF: 28.6/30

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

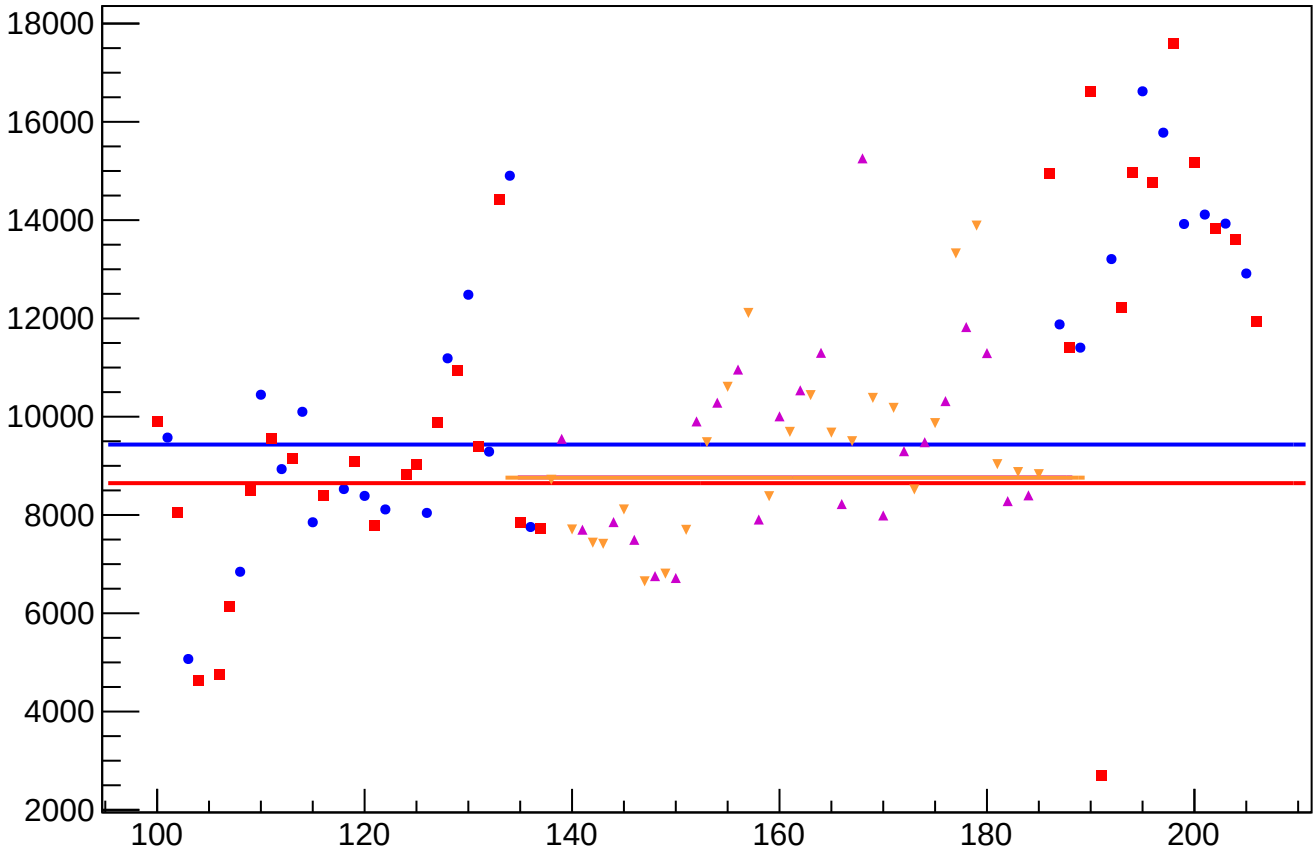
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2488.537+/-1761.921 χ^2/NDF: 55.1/55

In: -531.596+/-1643.699 χ^2/NDF:40.8/47

Out: -1217.522+/-1539.414 χ^2/NDF:57.6/55

All: -897.007+/-1123.590 χ^2/NDF: 98.4/103



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

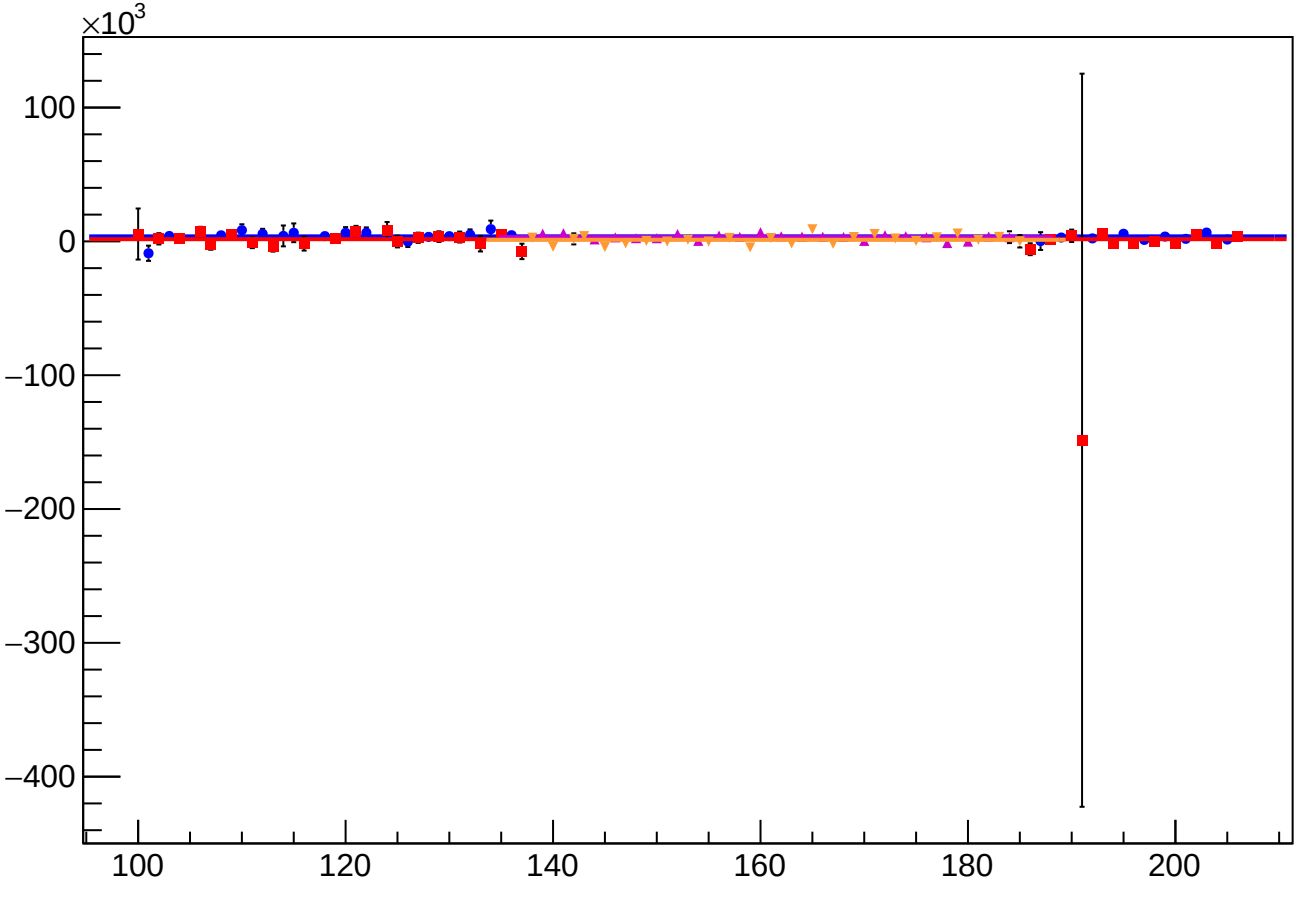
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8992.570+/-1.246 χ^2/NDF: 7987133.7/55

In: 9019.737+/-1.162 χ^2/NDF:4206736.4/47

Out: 8711.740+/-1.089 χ^2/NDF:6277295.1/55

All: 8855.659+/-0.794 χ^2/NDF: 10521441.2/



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.380+/-656.314 χ^2/NDF: 27.8/30

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

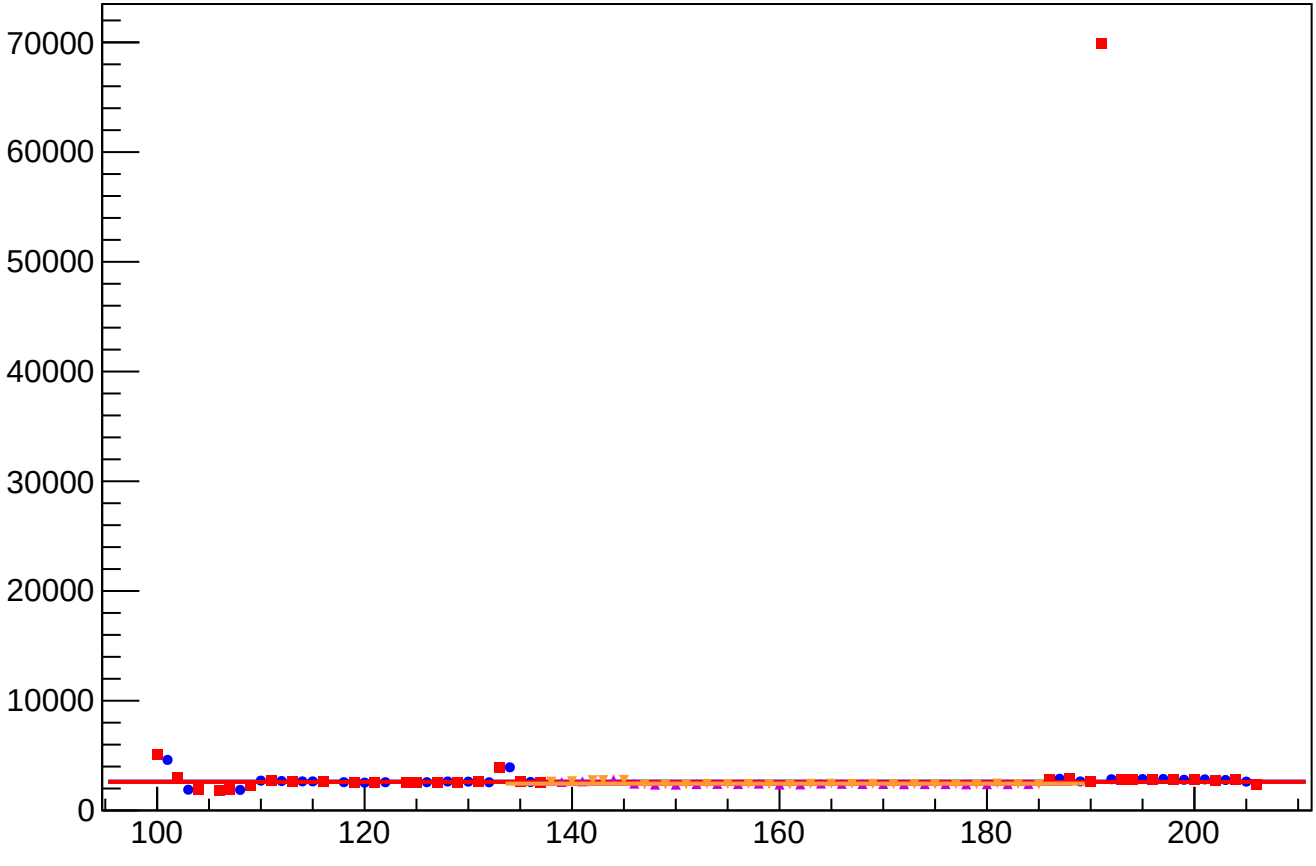
Right: 2612.250+/-481.821 χ^2/NDF: 45.5/55

In: 3384.407+/-444.015 χ^2/NDF:26.0/47

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2334.629+/-306.774 χ^2/NDF: 95.9/103

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

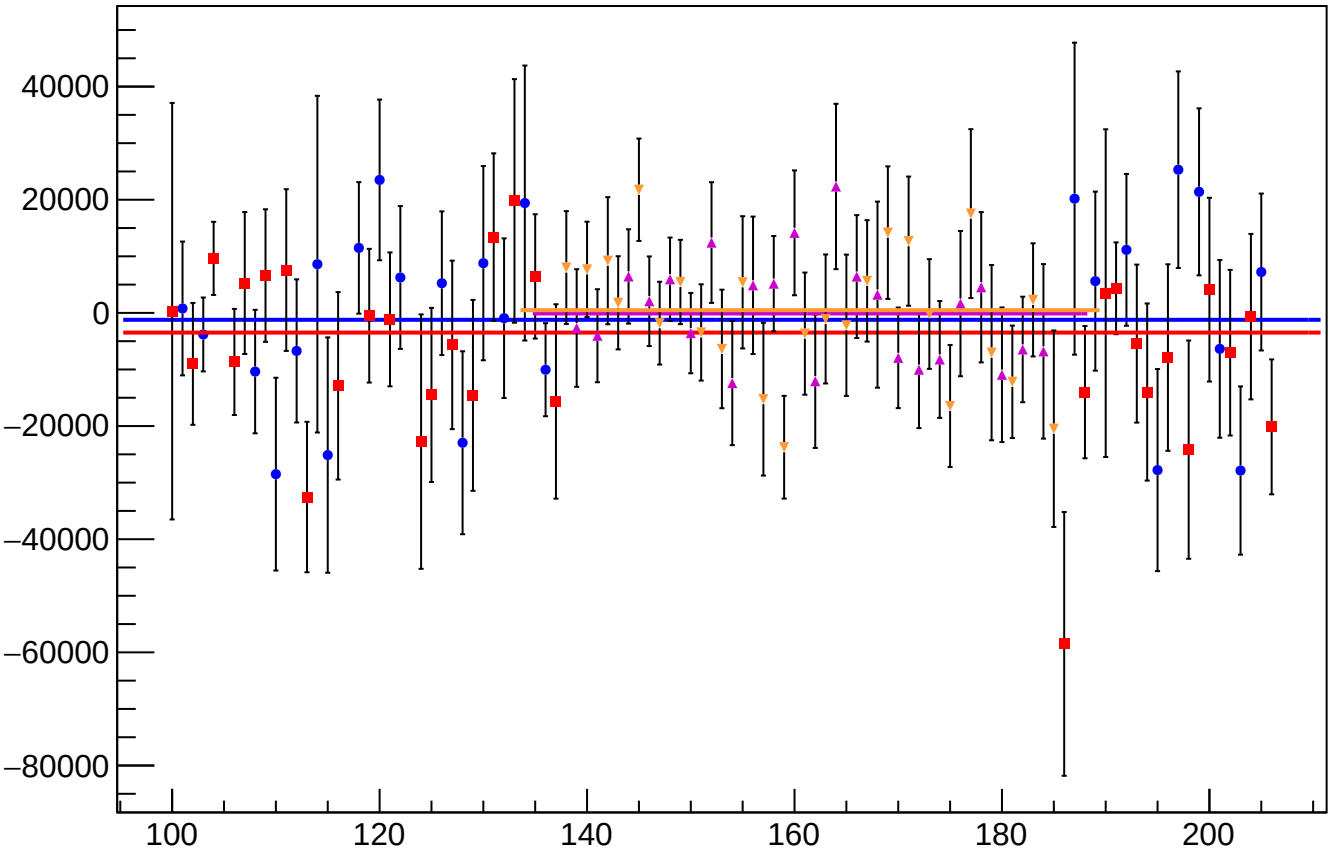
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.285+/-0.341 χ^2/NDF: 1457975.6/55

In: 2512.631+/-0.314 χ^2/NDF:852774.1/47

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2511.248+/-0.217 χ^2/NDF: 1761306.9/10



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3479.674+/-2352.245 χ^2/NDF: 28.6/30

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

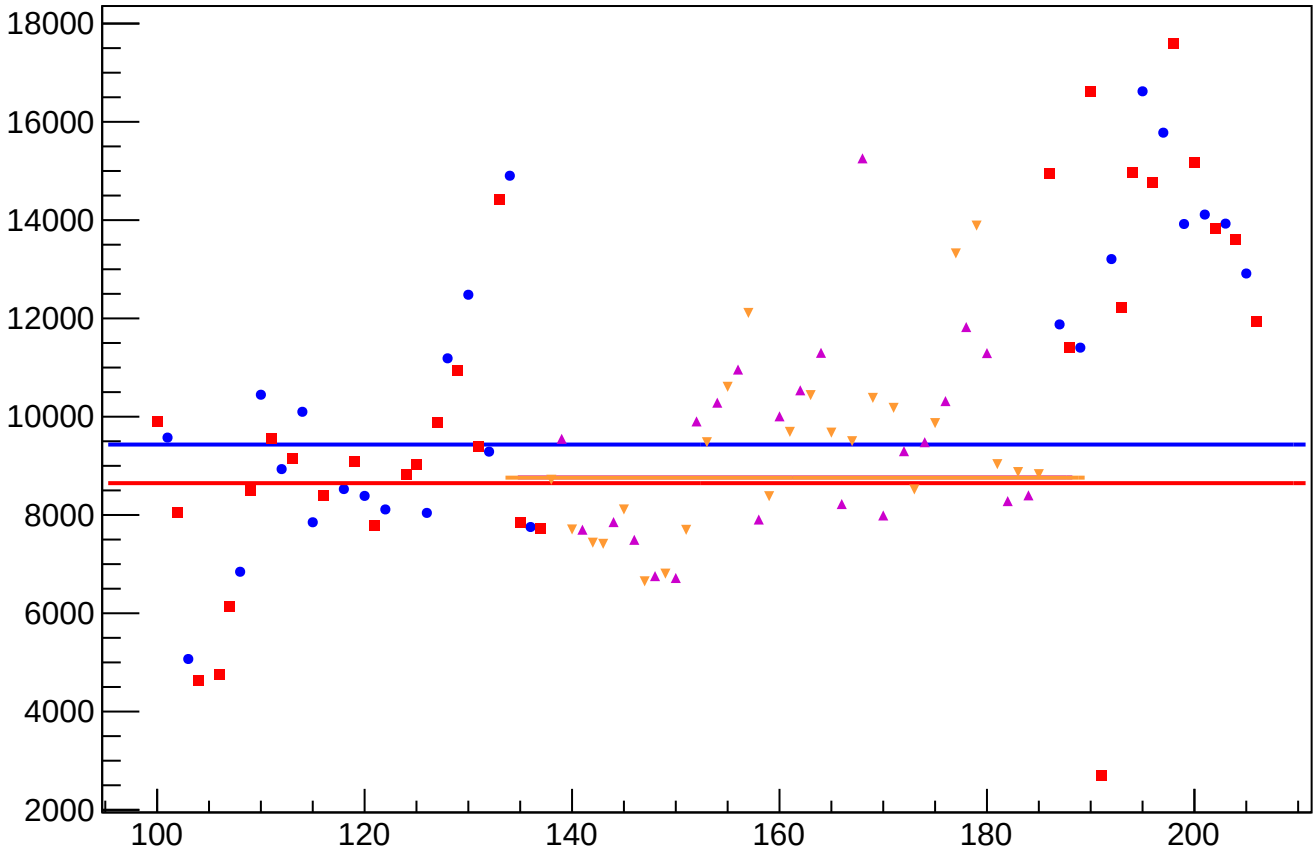
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2488.537+/-1761.921 χ^2/NDF: 55.1/55

In: -531.596+/-1643.699 χ^2/NDF:40.8/47

Out: -1217.522+/-1539.414 χ^2/NDF:57.6/55

All: -897.007+/-1123.590 χ^2/NDF: 98.4/103



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

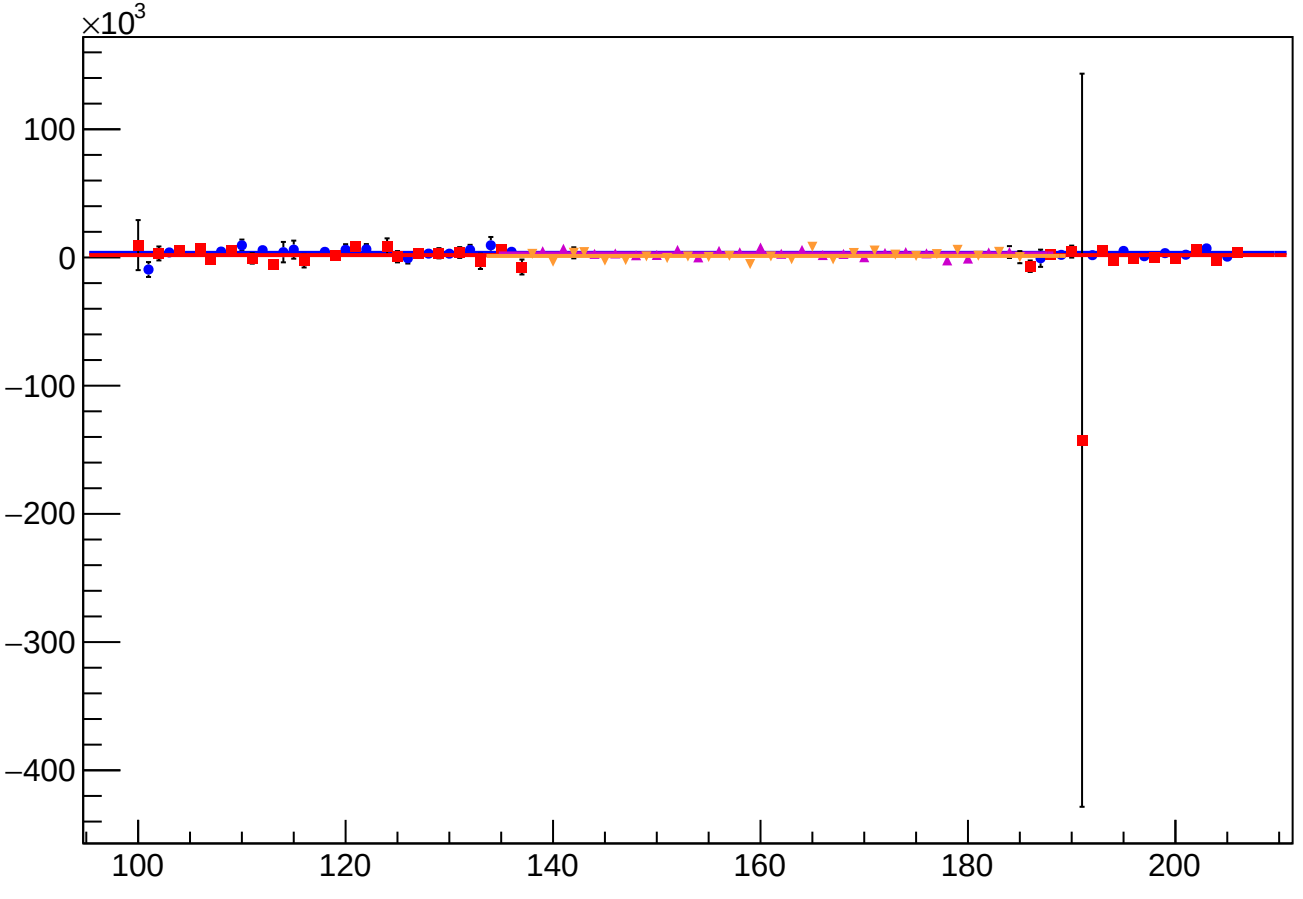
Right: 8992.570+/-1.246 χ^2/NDF: 7987133.7/55

In: 9019.737+/-1.162 χ^2/NDF:4206736.4/47

Out: 8711.740+/-1.089 χ^2/NDF:6277295.1/55

All: 8855.659+/-0.794 χ^2/NDF: 10521441.2/

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3611.018+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1850.492+/-678.747 χ^2/NDF: 31.6/30

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

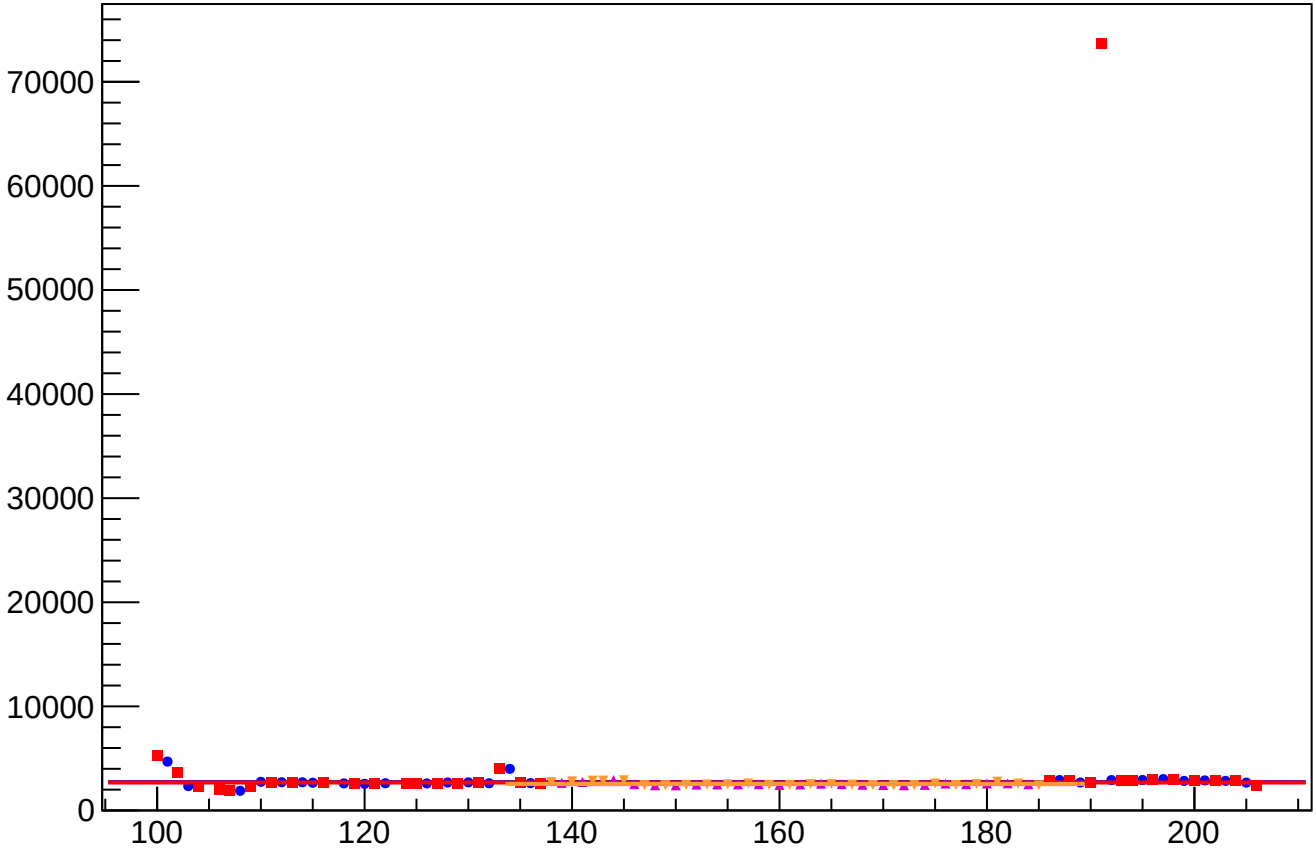
Right: 2663.453+/-497.956 χ^2/NDF: 49.6/55

In: 3332.267+/-460.555 χ^2/NDF:31.6/47

Out: 1482.383+/-440.806 χ^2/NDF:59.0/55

All: 2366.813+/-318.450 χ^2/NDF: 99.0/103

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2724.408+/-0.518 χ^2/NDF: 553368.2/24

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.1/30

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

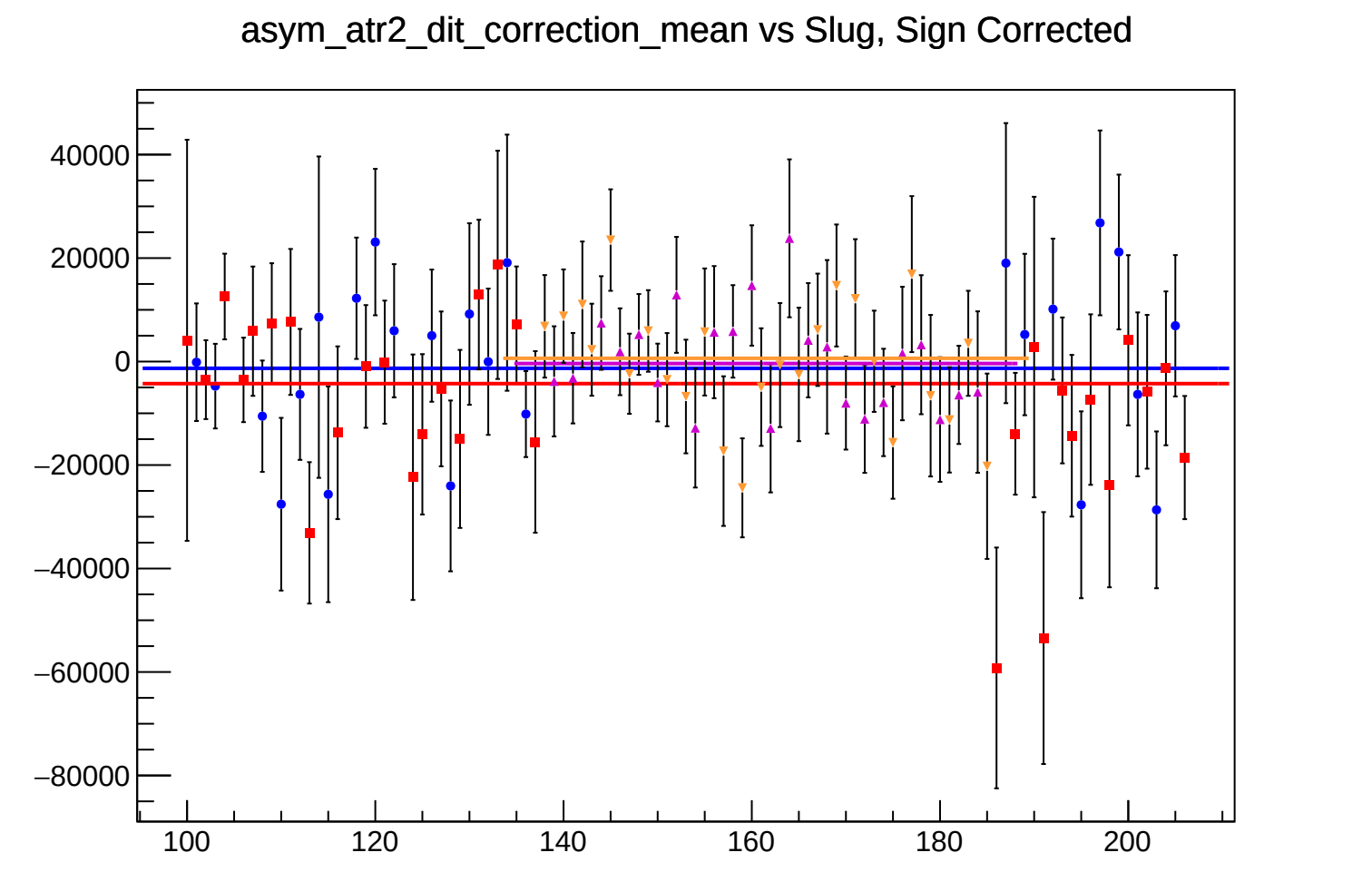
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2704.173+/-0.352 χ^2/NDF: 1223055.8/55

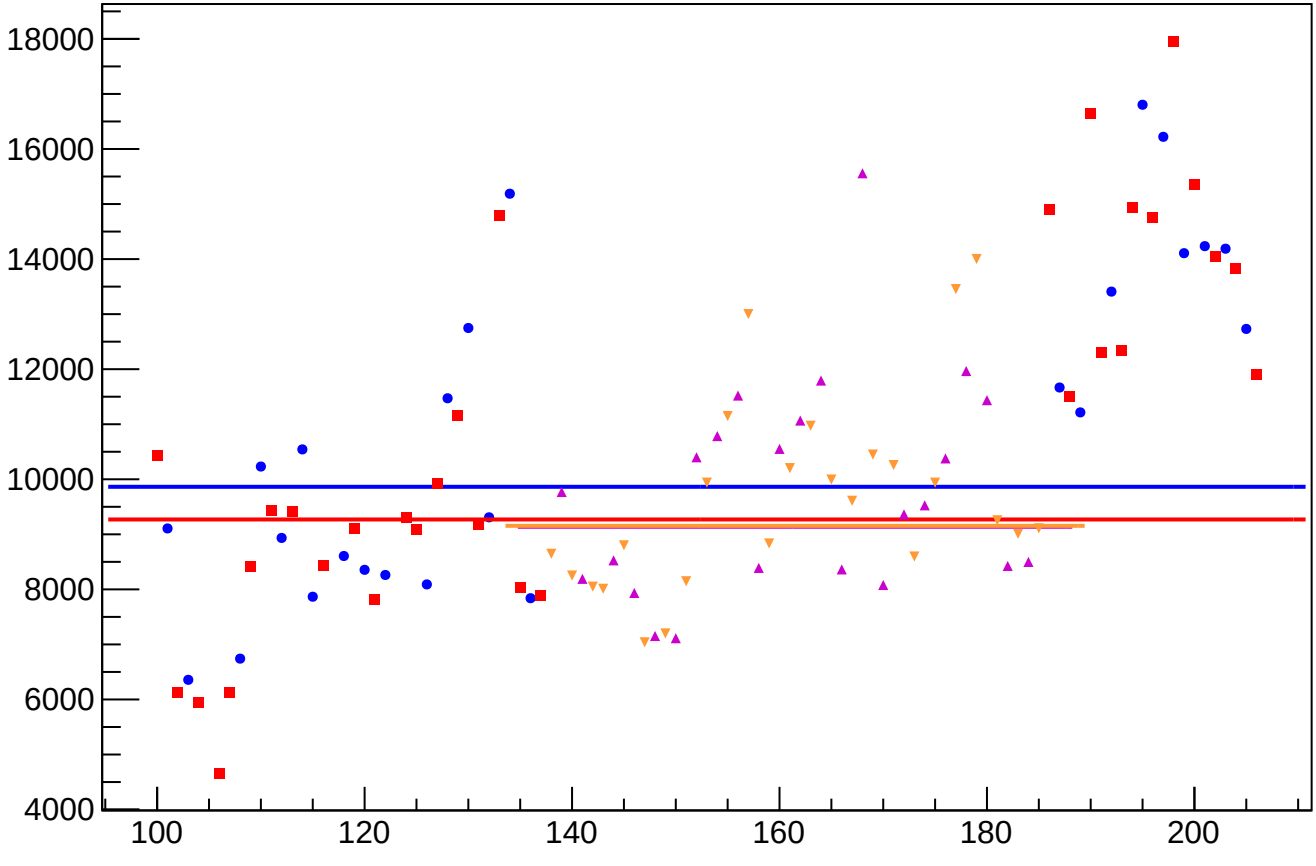
In: 2608.470+/-0.326 χ^2/NDF:704560.8/47

Out: 2606.082+/-0.312 χ^2/NDF:833137.9/55

All: 2607.224+/-0.225 χ^2/NDF: 1537726.8/10


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1304.067+/-2750.443 χ²/NDF: 26.0/24
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -4263.194+/-2437.798 χ²/NDF: 30.4/30
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -2961.303+/-1824.350 χ²/NDF: 57.1/55
In: -734.521+/-1706.684 χ²/NDF:40.3/47
Out: -1479.798+/-1601.038 χ²/NDF:59.4/55
All: -1130.939+/-1167.668 χ²/NDF: 99.8/103

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 9863.547+/-1.945 χ^2/NDF: 2250922.8/24

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9270.175+/-1.724 χ^2/NDF: 3750438.7/30

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

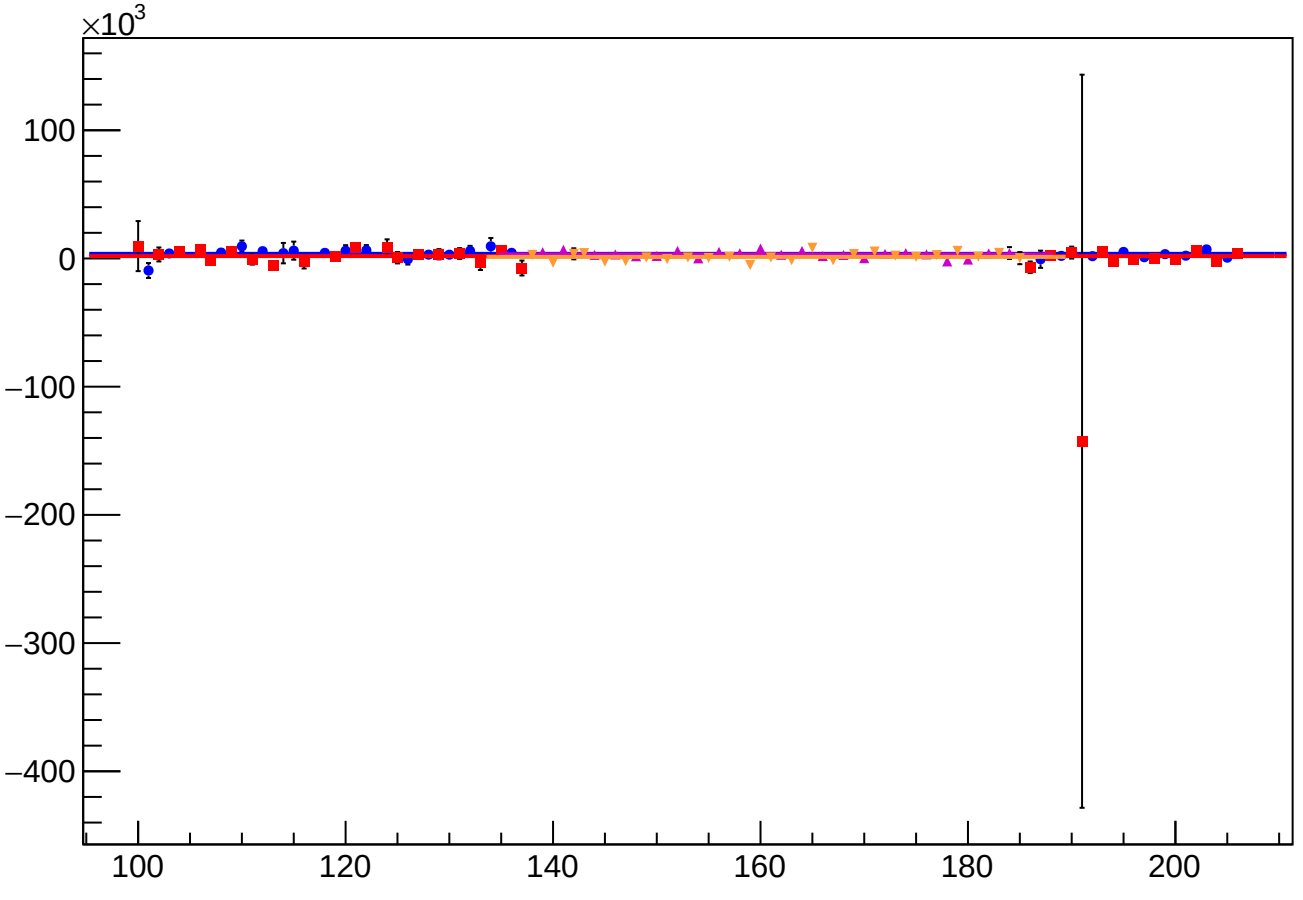
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9531.234+/-1.290 χ^2/NDF: 6053493.1/55

In: 9417.101+/-1.207 χ^2/NDF:3509401.8/47

Out: 9204.501+/-1.132 χ^2/NDF:4825065.1/55

All: 9304.017+/-0.826 χ^2/NDF: 8350974.6/10



Right In: 3611.017+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1850.492+/-678.747 χ^2/NDF: 31.6/30

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

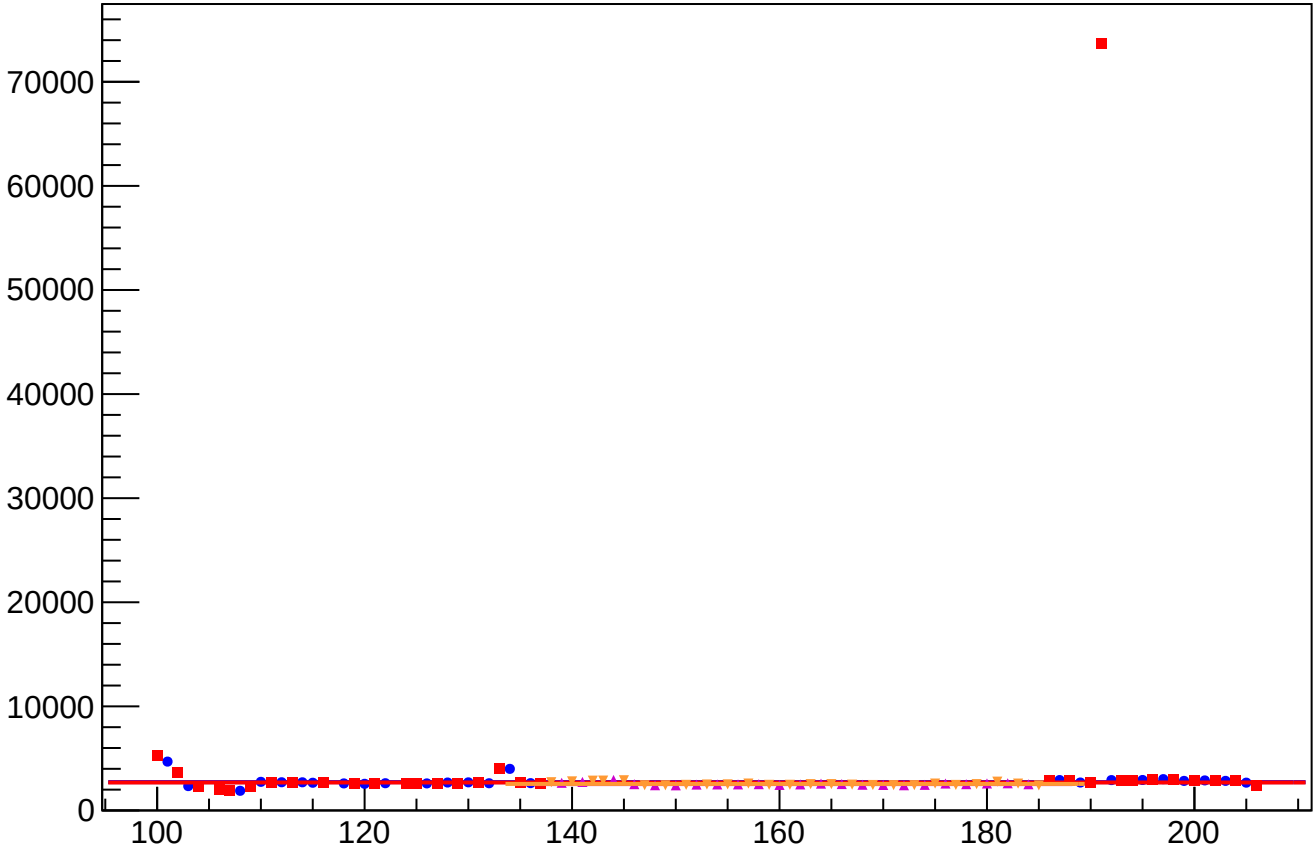
Right: 2663.453+/-497.956 χ^2/NDF: 49.6/55

In: 3332.266+/-460.555 χ^2/NDF:31.6/47

Out: 1482.377+/-440.806 χ^2/NDF:59.0/55

All: 2366.809+/-318.450 χ^2/NDF: 99.0/103

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2724.407+/-0.518 χ^2/NDF: 553368.9/24

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.3/30

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

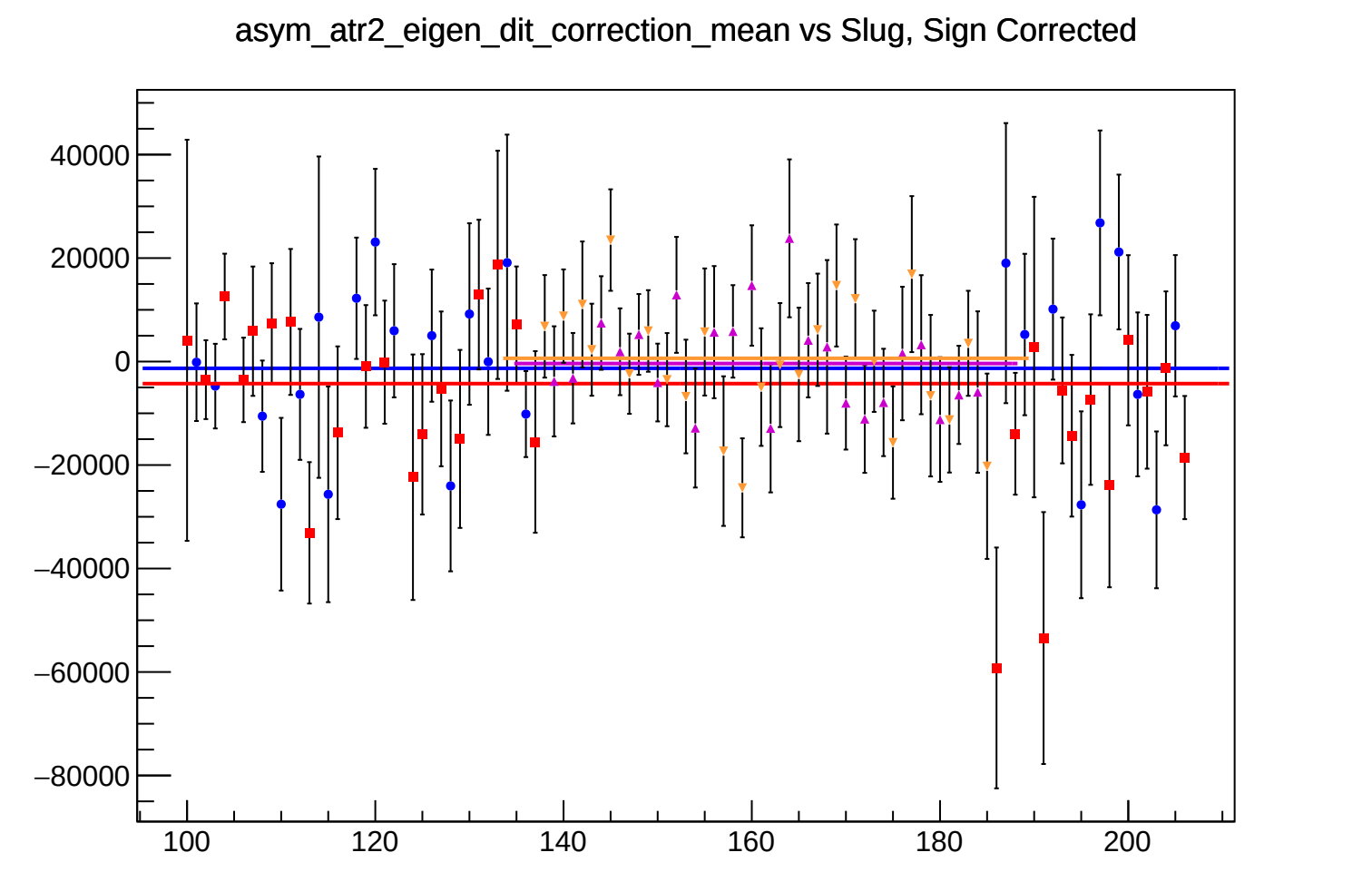
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2704.173+/-0.352 χ^2/NDF: 1223056.6/55

In: 2608.471+/-0.326 χ^2/NDF:704559.2/47

Out: 2606.084+/-0.312 χ^2/NDF:833136.9/55

All: 2607.225+/-0.225 χ^2/NDF: 1537724.2/10



Right In: -1304.045+/-2750.441 χ^2/NDF: 26.0/24

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -4263.183+/-2437.796 χ^2/NDF: 30.4/30

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

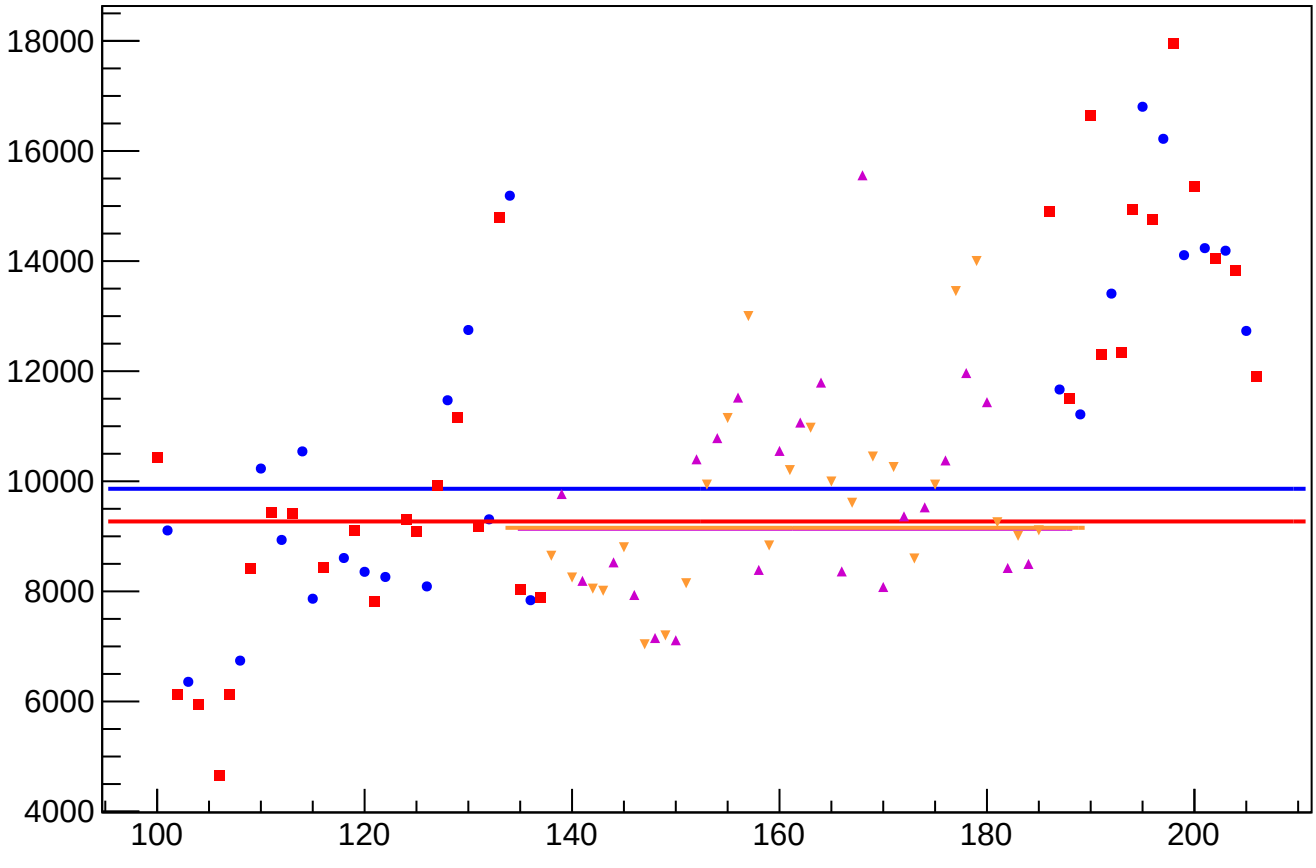
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2961.287+/-1824.349 χ^2/NDF: 57.1/55

In: -734.516+/-1706.685 χ^2/NDF:40.3/47

Out: -1479.802+/-1601.039 χ^2/NDF:59.4/55

All: -1130.939+/-1167.669 χ^2/NDF: 99.8/103



Right In: 9863.540+/-1.945 χ^2/NDF: 2250932.9/24

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9270.164+/-1.724 χ^2/NDF: 3750454.4/30

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

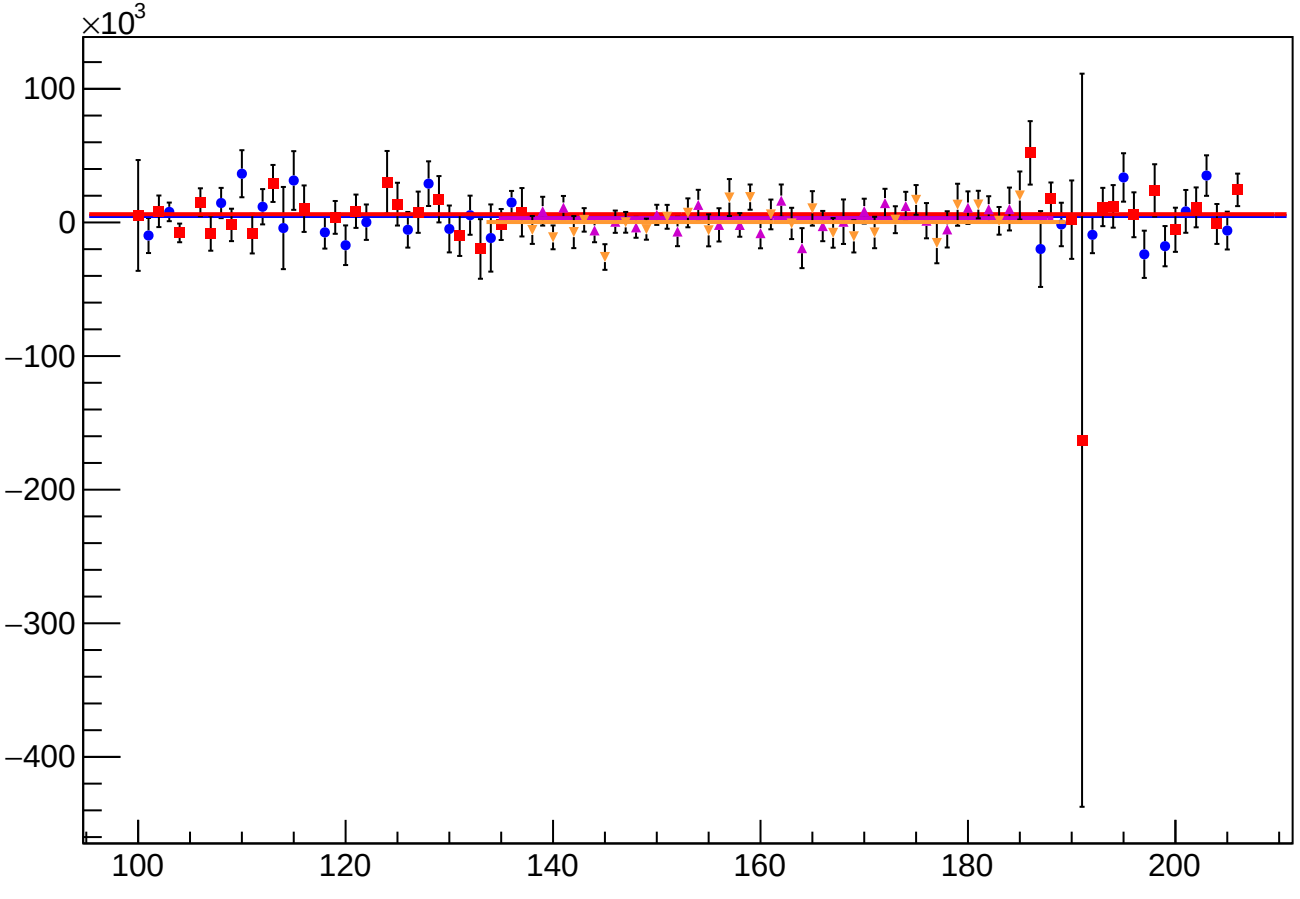
Right: 9531.224+/-1.290 χ^2/NDF: 6053519.5/55

In: 9417.107+/-1.207 χ^2/NDF:3509410.5/47

Out: 9204.505+/-1.132 χ^2/NDF:4825081.7/55

All: 9304.022+/-0.826 χ^2/NDF: 8351000.3/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4816.033+/-2778.890 χ^2/NDF: 29.3/24

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 6186.200+/-2579.088 χ^2/NDF: 24.1/30

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

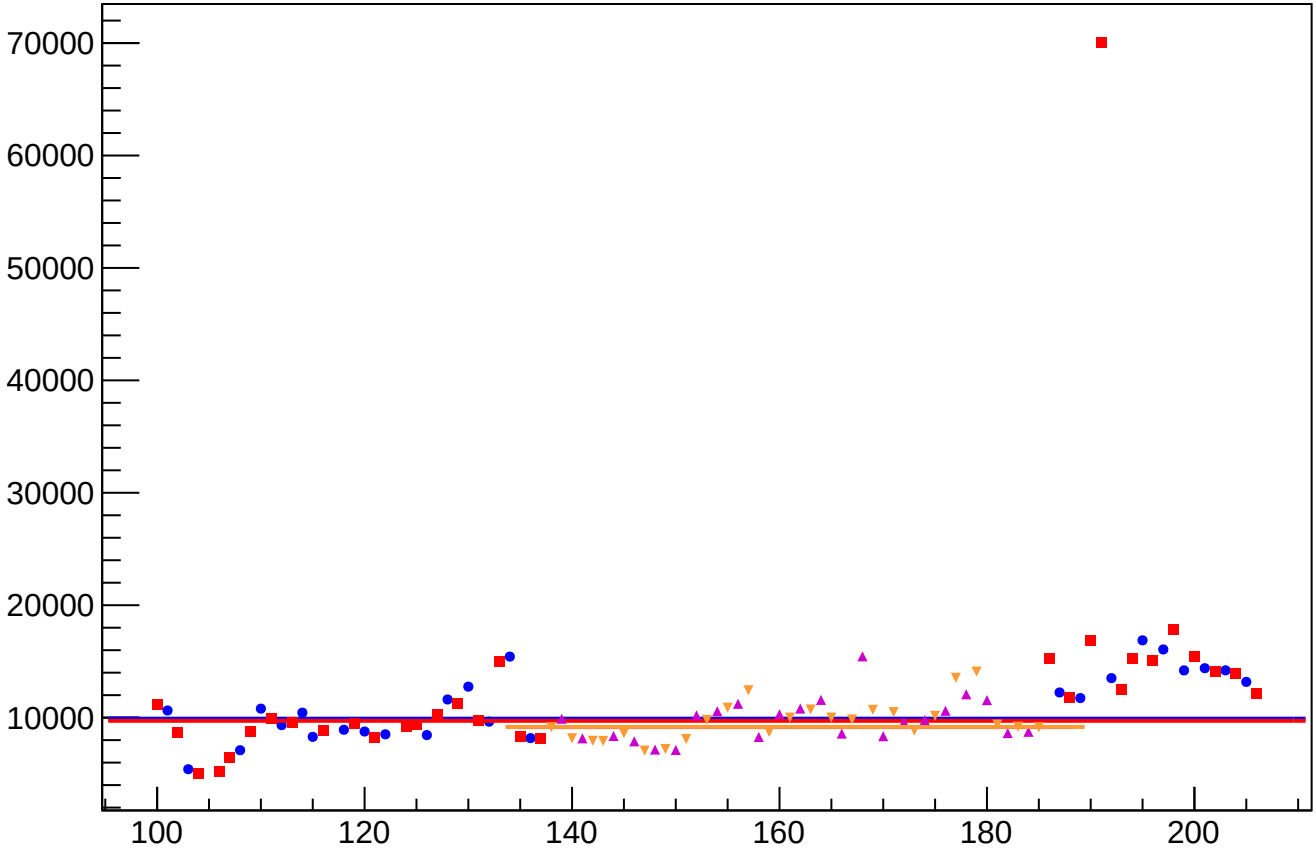
Right: 5552.140+/-1890.383 χ^2/NDF: 53.5/55

In: 3836.440+/-1715.121 χ^2/NDF:43.1/47

Out: 2677.704+/-1640.202 χ^2/NDF:53.5/55

All: 3231.212+/-1185.399 χ^2/NDF: 96.8/103

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9906.618+/-1.965 χ^2/NDF: 2604796.2/24

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9720.062+/-1.824 χ^2/NDF: 3577132.4/30

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

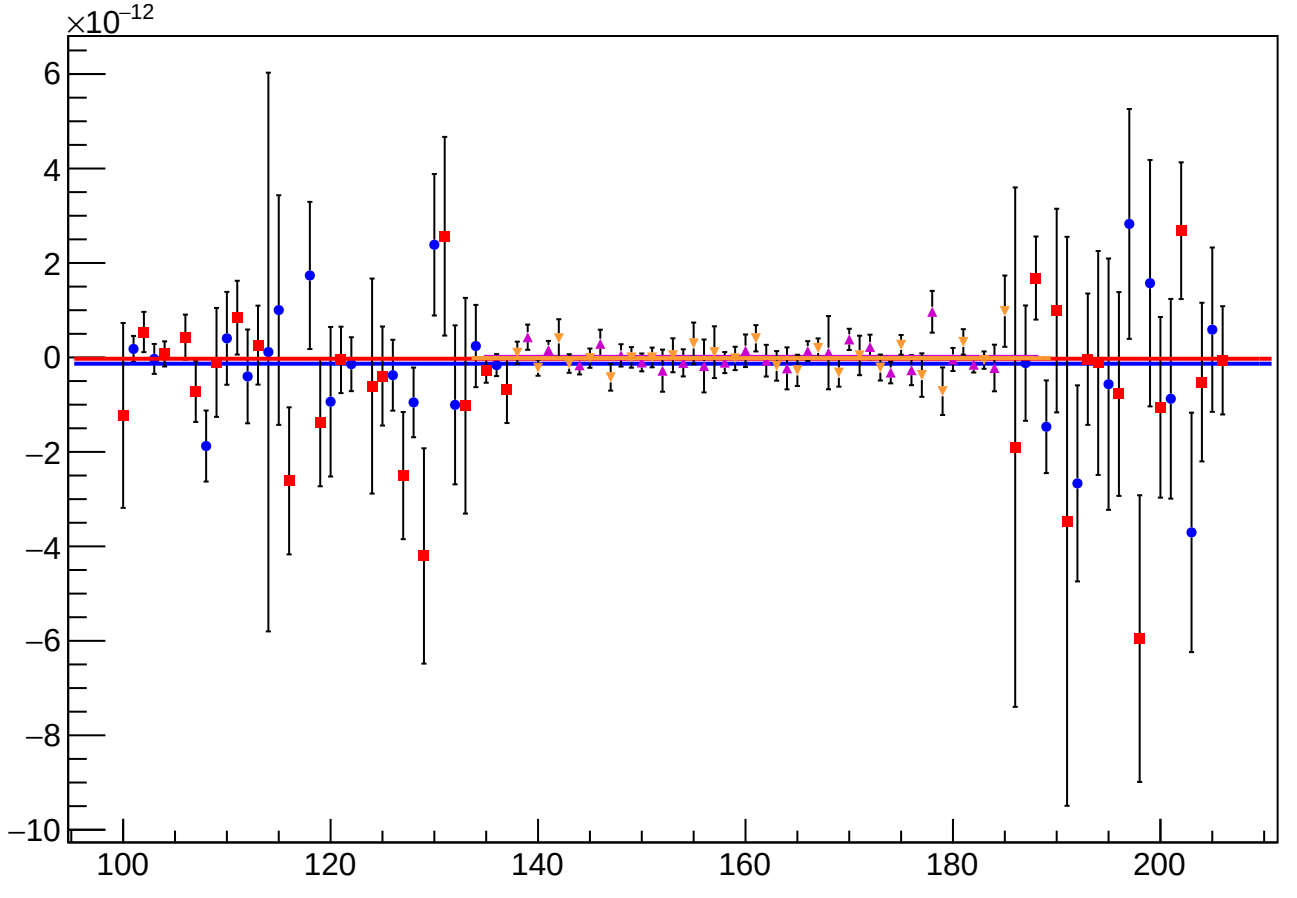
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9806.391+/-1.337 χ^2/NDF: 6186771.3/55

In: 9445.820+/-1.213 χ^2/NDF:3821162.0/47

Out: 9394.160+/-1.160 χ^2/NDF:4687705.6/55

All: 9418.837+/-0.838 χ^2/NDF: 8509815.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

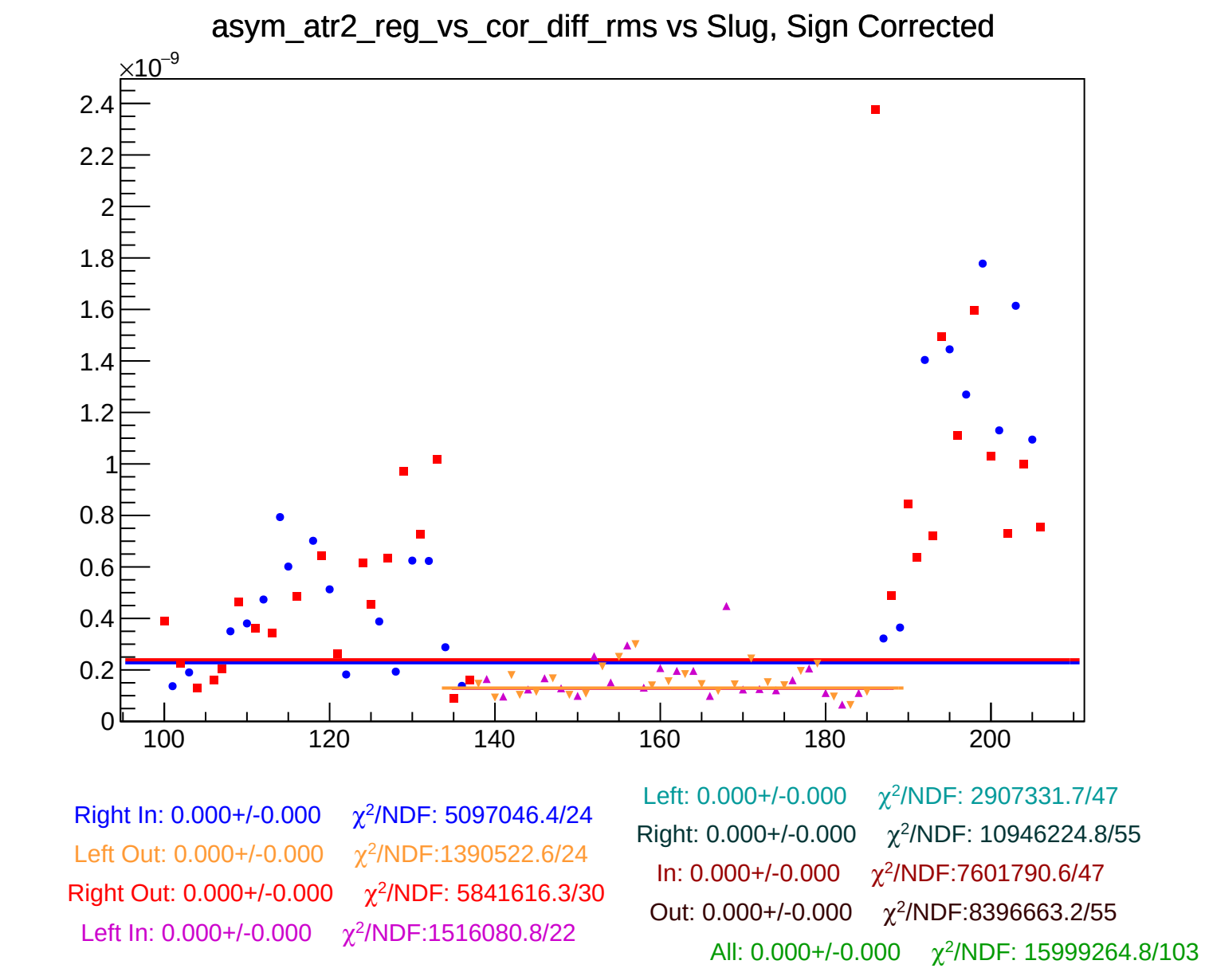
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

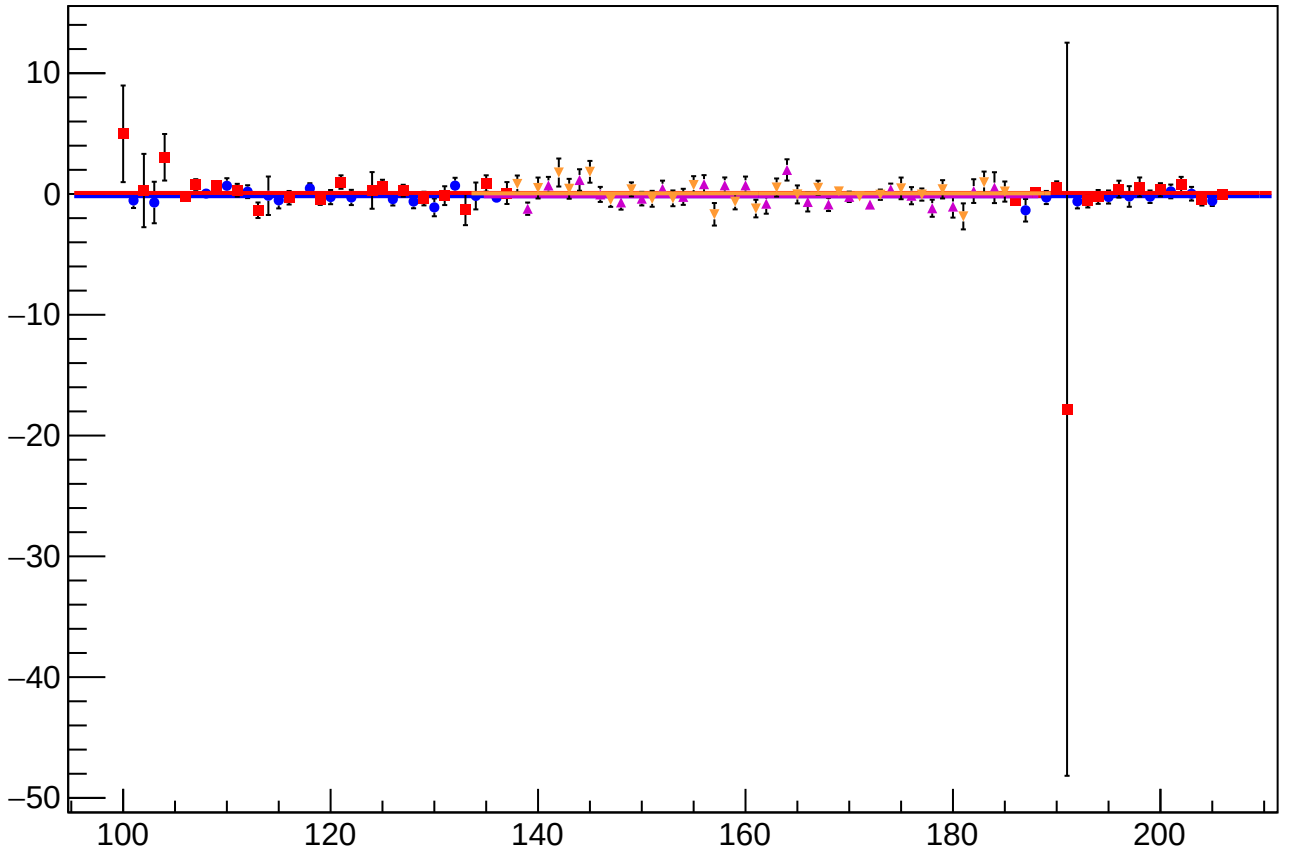
Right: -0.000+/-0.000 χ^2/NDF: 53.5/55

In: -0.000+/-0.000 χ^2/NDF:41.4/47

Out: -0.000+/-0.000 χ^2/NDF:51.4/55

All: -0.000+/-0.000 χ^2/NDF: 92.8/103


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5097046.4/24
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5841616.3/30
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 10946224.8/55
In: 0.000+/-0.000 χ²/NDF:7601790.6/47
Out: 0.000+/-0.000 χ²/NDF:8396663.2/55
All: 0.000+/-0.000 χ²/NDF: 15999264.8/103



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

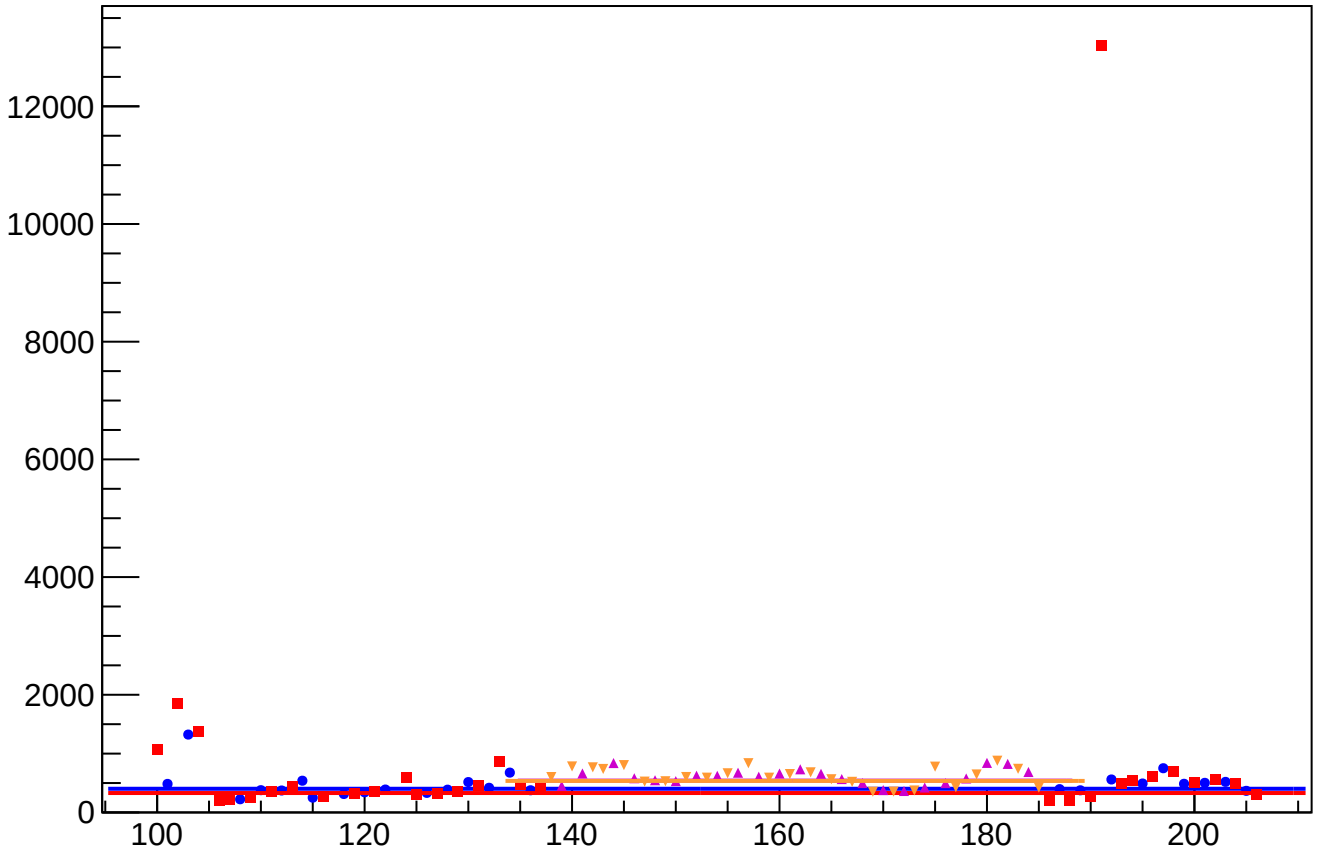
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.021+/-0.072 χ^2/NDF: 51.0/55

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.038+/-0.057 χ^2/NDF: 108.7/103



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

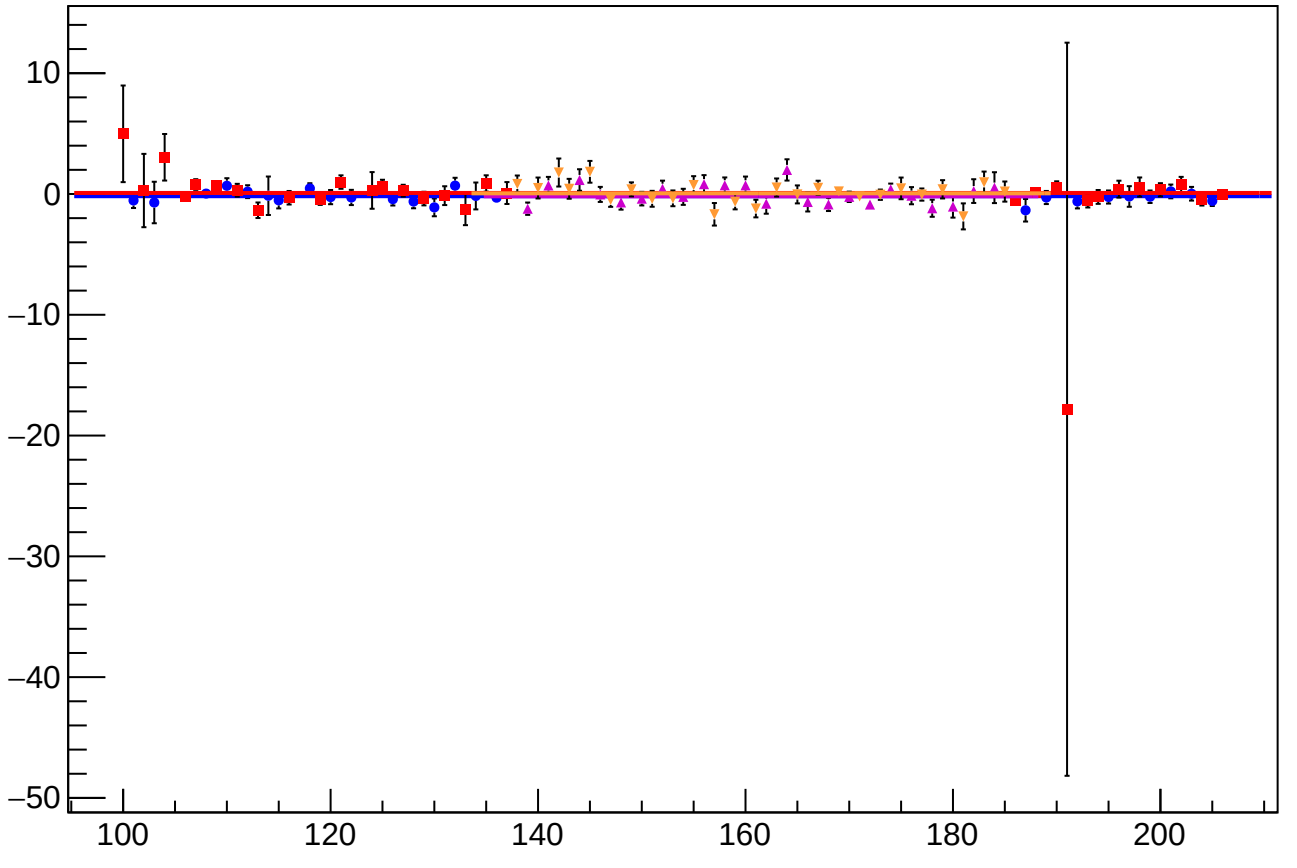
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 358.914+/-0.051 χ^2/NDF: 8235609.4/55

In: 461.674+/-0.062 χ^2/NDF:5427823.3/47

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 426.808+/-0.040 χ^2/NDF: 17534057.3/10



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

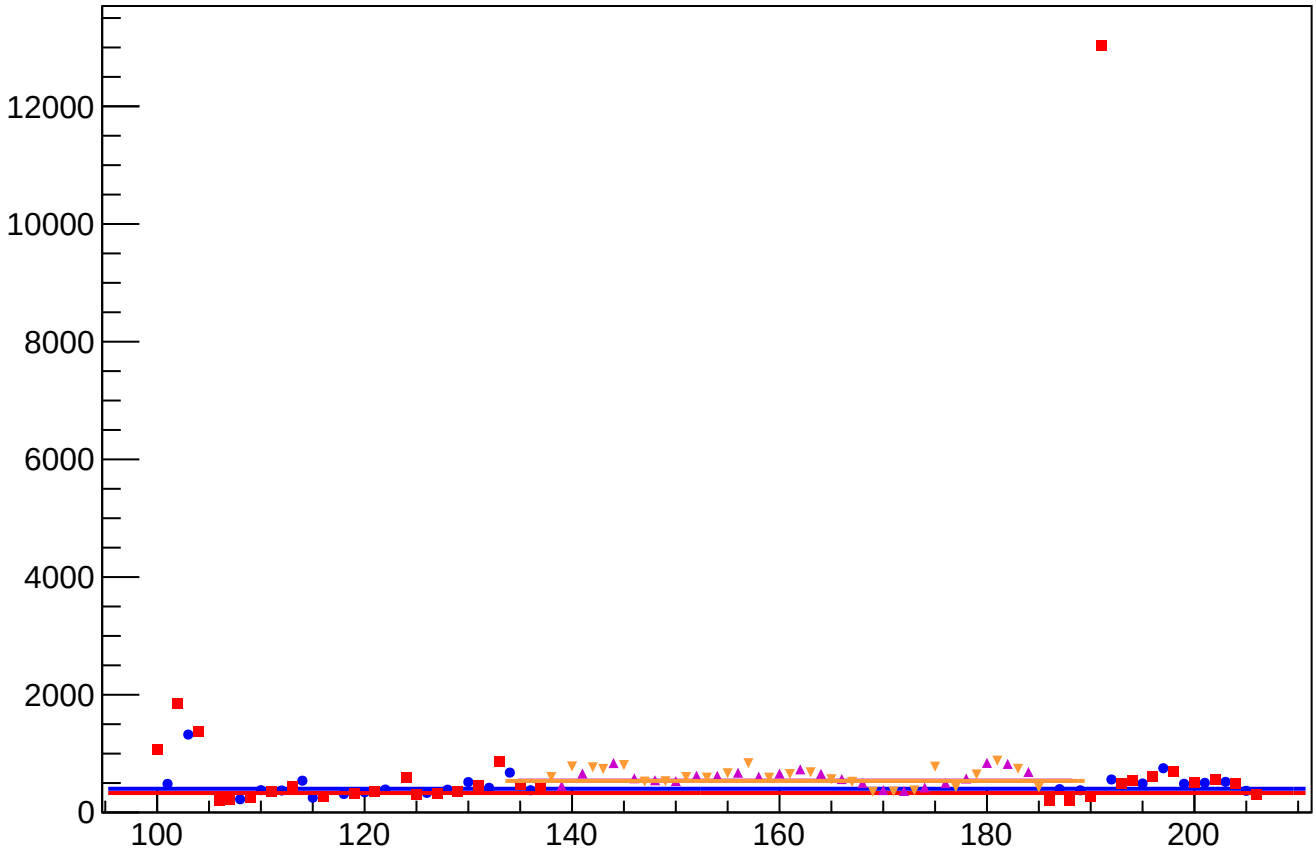
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.021+/-0.072 χ^2/NDF: 51.0/55

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.038+/-0.057 χ^2/NDF: 108.7/103



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

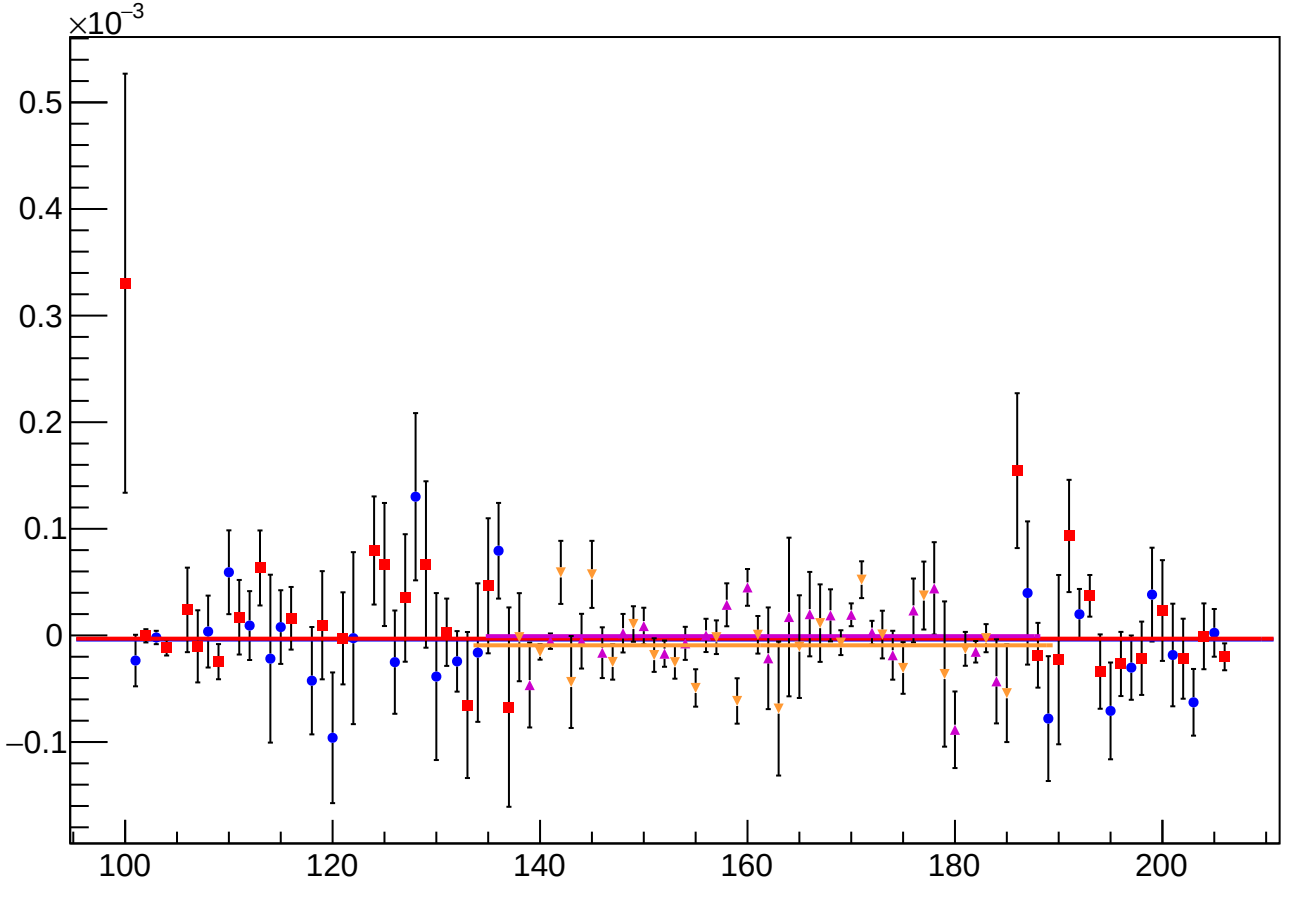
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 358.914+/-0.051 χ^2/NDF: 8235609.4/55

In: 461.674+/-0.062 χ^2/NDF:5427823.3/47

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 426.808+/-0.040 χ^2/NDF: 17534057.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

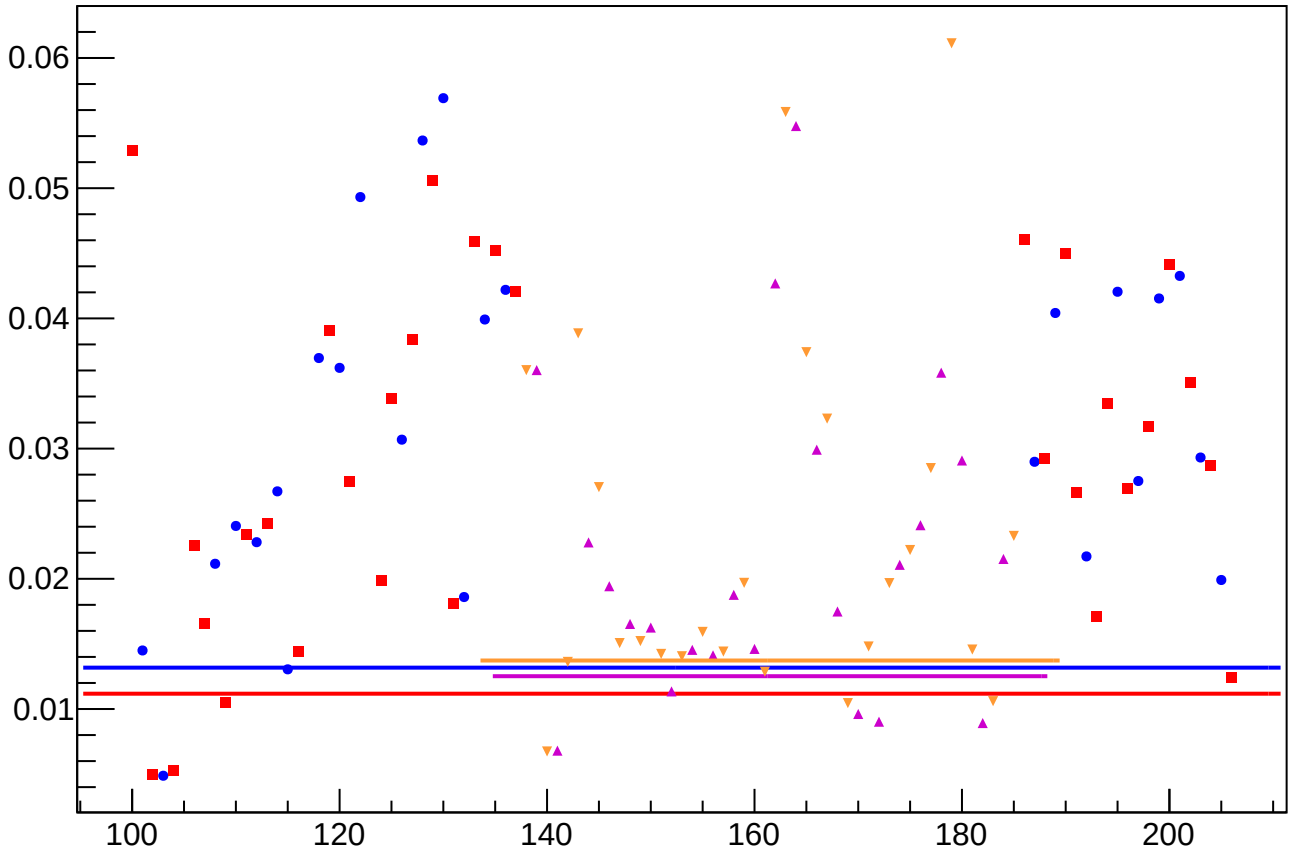
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 59.4/55

In: -0.000+/-0.000 χ^2/NDF:54.7/47

Out: -0.000+/-0.000 χ^2/NDF:81.5/55

All: -0.000+/-0.000 χ^2/NDF: 137.7/103



Right In: 0.013+/-0.000 χ^2/NDF: 12202383.3/24

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14111318.2/30

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

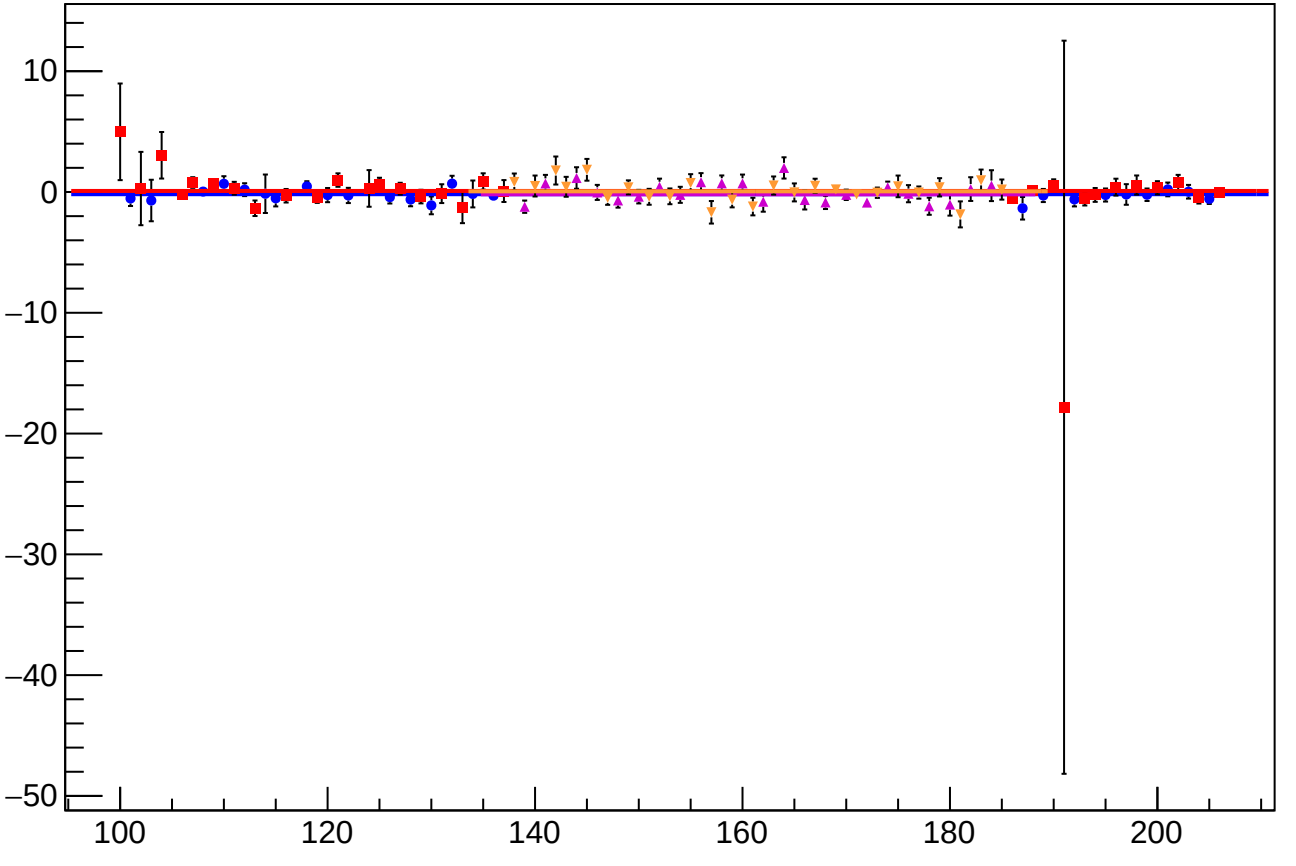
Right: 0.012+/-0.000 χ^2/NDF: 26525875.1/55

In: 0.013+/-0.000 χ^2/NDF:19348176.0/47

Out: 0.012+/-0.000 χ^2/NDF:22311374.5/55

All: 0.013+/-0.000 χ^2/NDF: 41667430.8/103

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

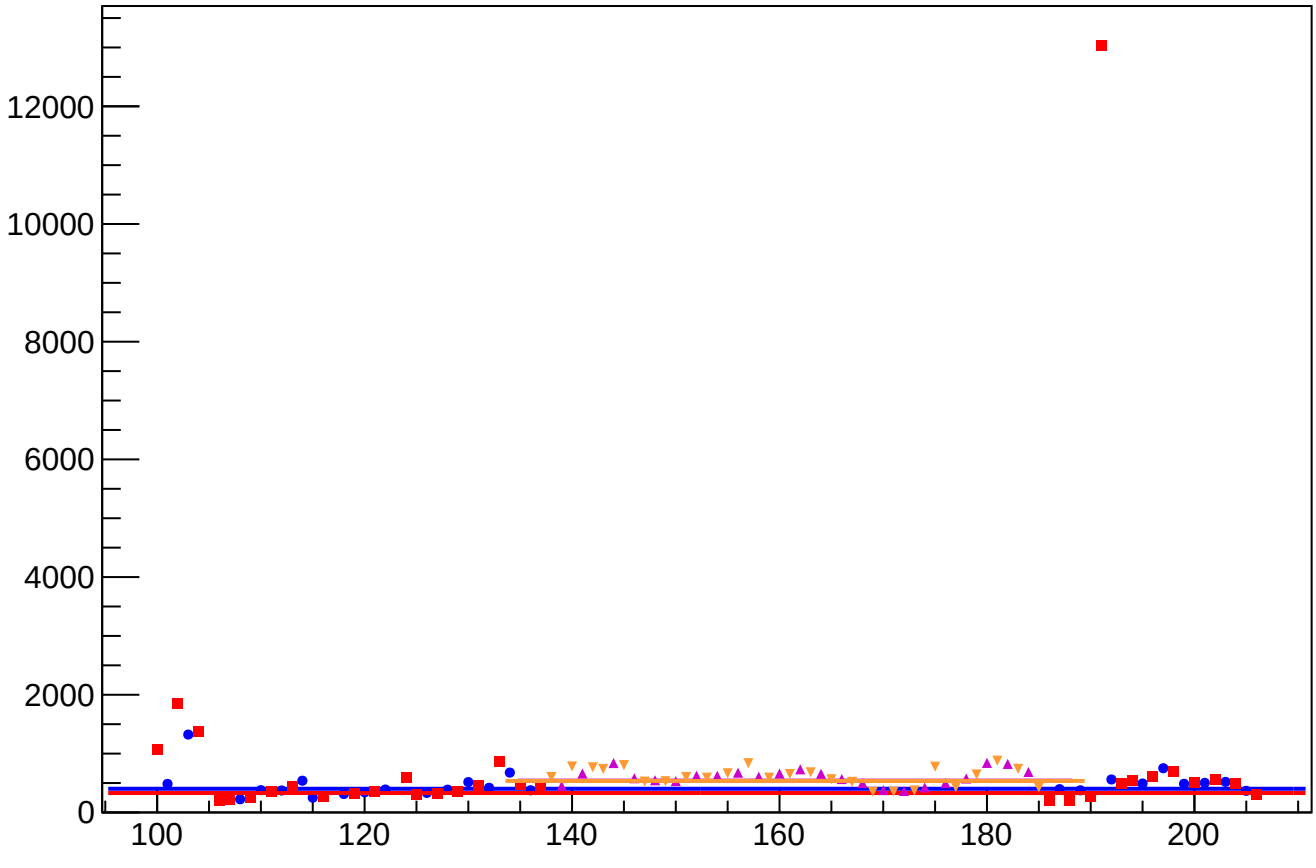
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.021+/-0.072 χ^2/NDF: 51.0/55

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.038+/-0.057 χ^2/NDF: 108.7/103



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

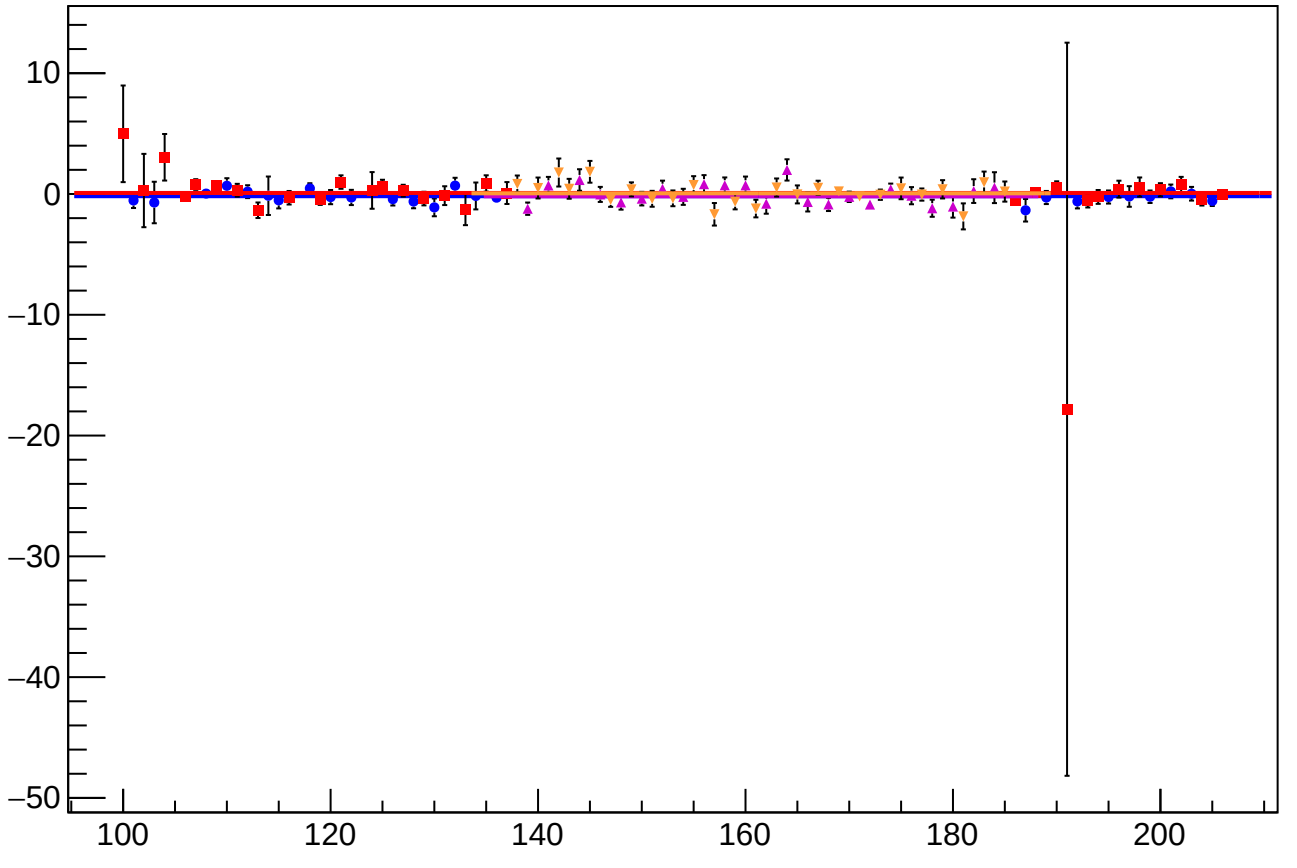
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 358.913+/-0.051 χ^2/NDF: 8235591.7/55

In: 461.674+/-0.062 χ^2/NDF:5428043.2/47

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 426.808+/-0.040 χ^2/NDF: 17534409.6/10



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

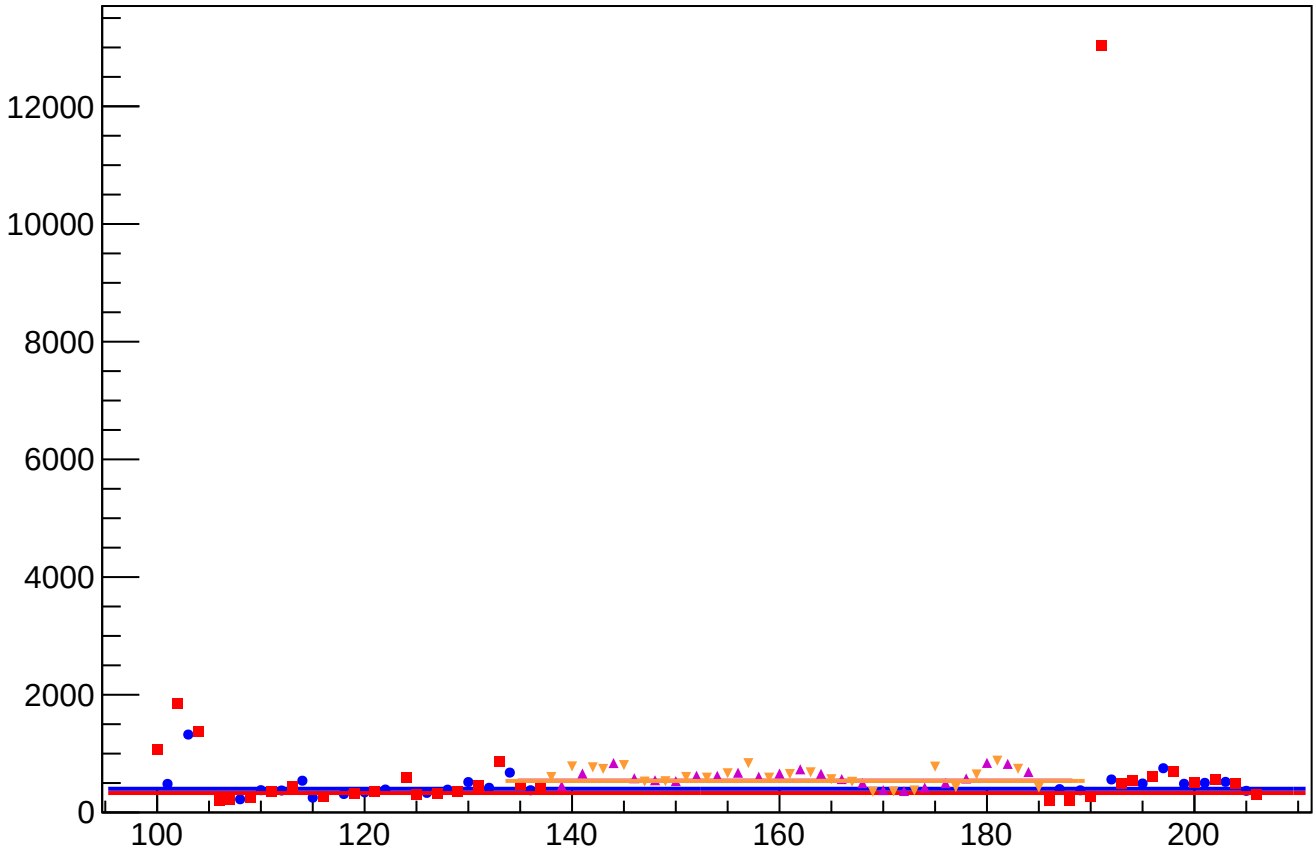
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.021+/-0.072 χ^2/NDF: 51.0/55

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.038+/-0.057 χ^2/NDF: 108.7/103



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

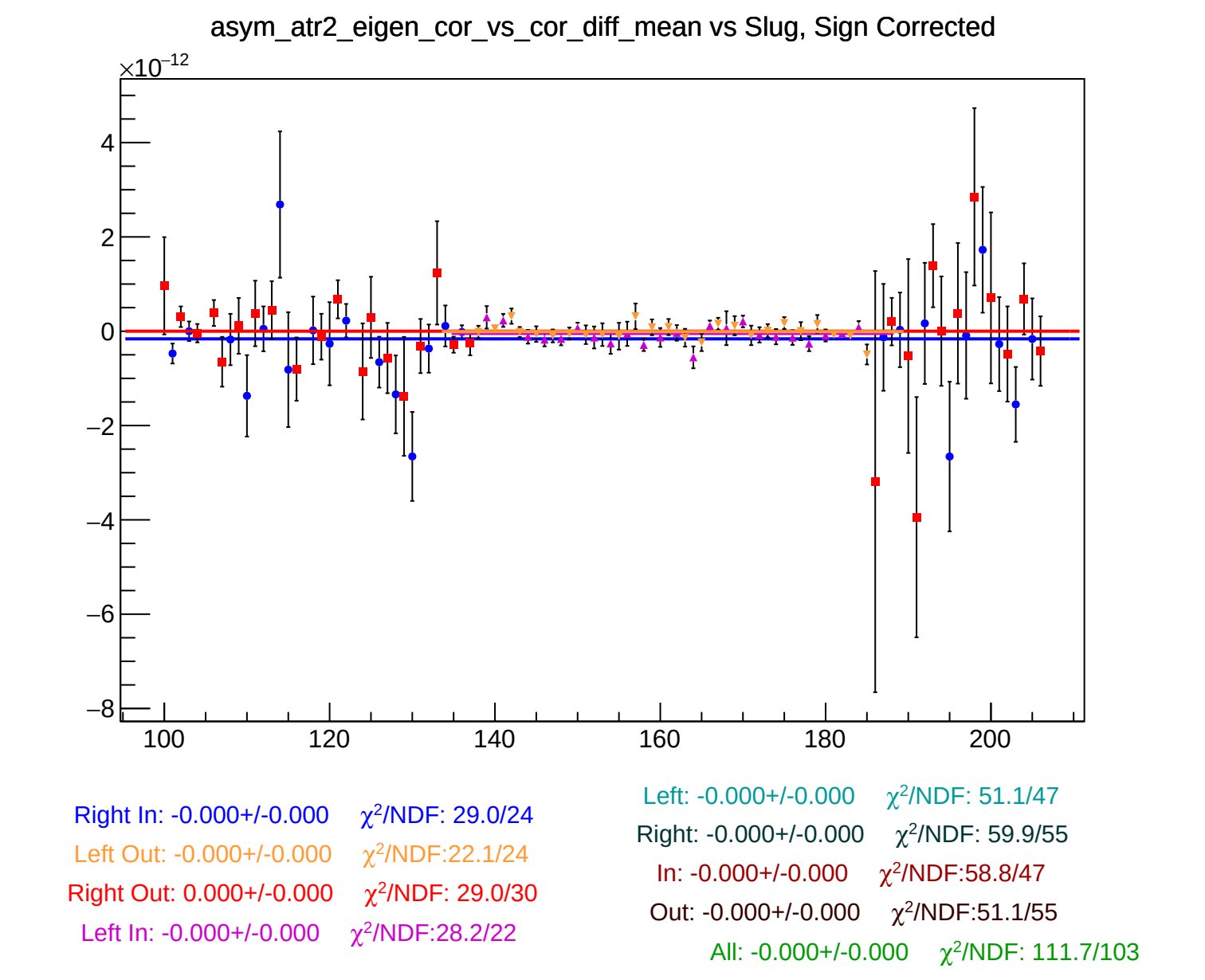
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

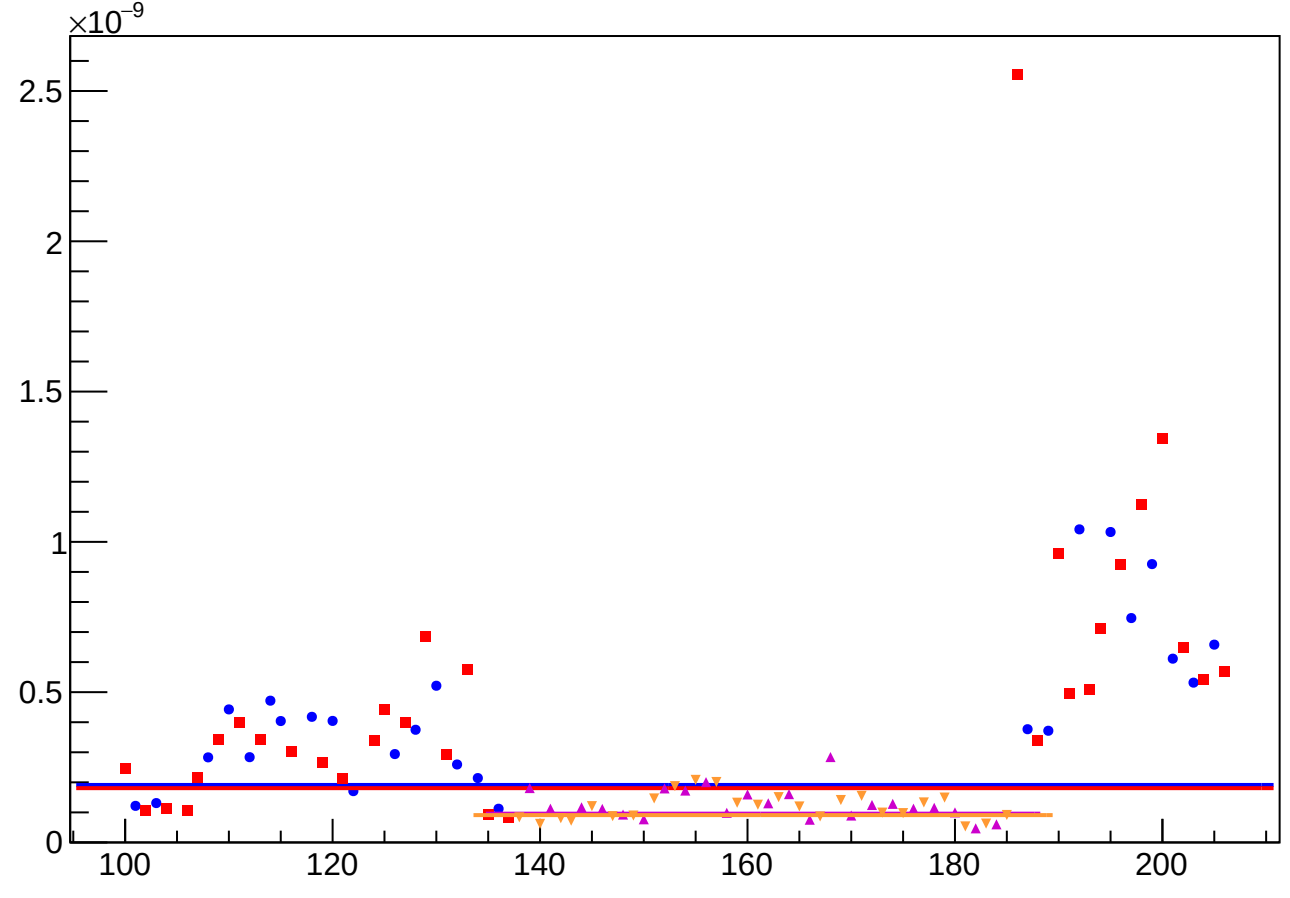
Right: 358.913+/-0.051 χ^2/NDF: 8235591.7/55

In: 461.674+/-0.062 χ^2/NDF:5428043.2/47

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 426.808+/-0.040 χ^2/NDF: 17534409.6/10


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/24
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.0/30
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 59.9/55
In: -0.000+/-0.000 χ²/NDF:58.8/47
Out: -0.000+/-0.000 χ²/NDF:51.1/55
All: -0.000+/-0.000 χ²/NDF: 111.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6065413.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8175786.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

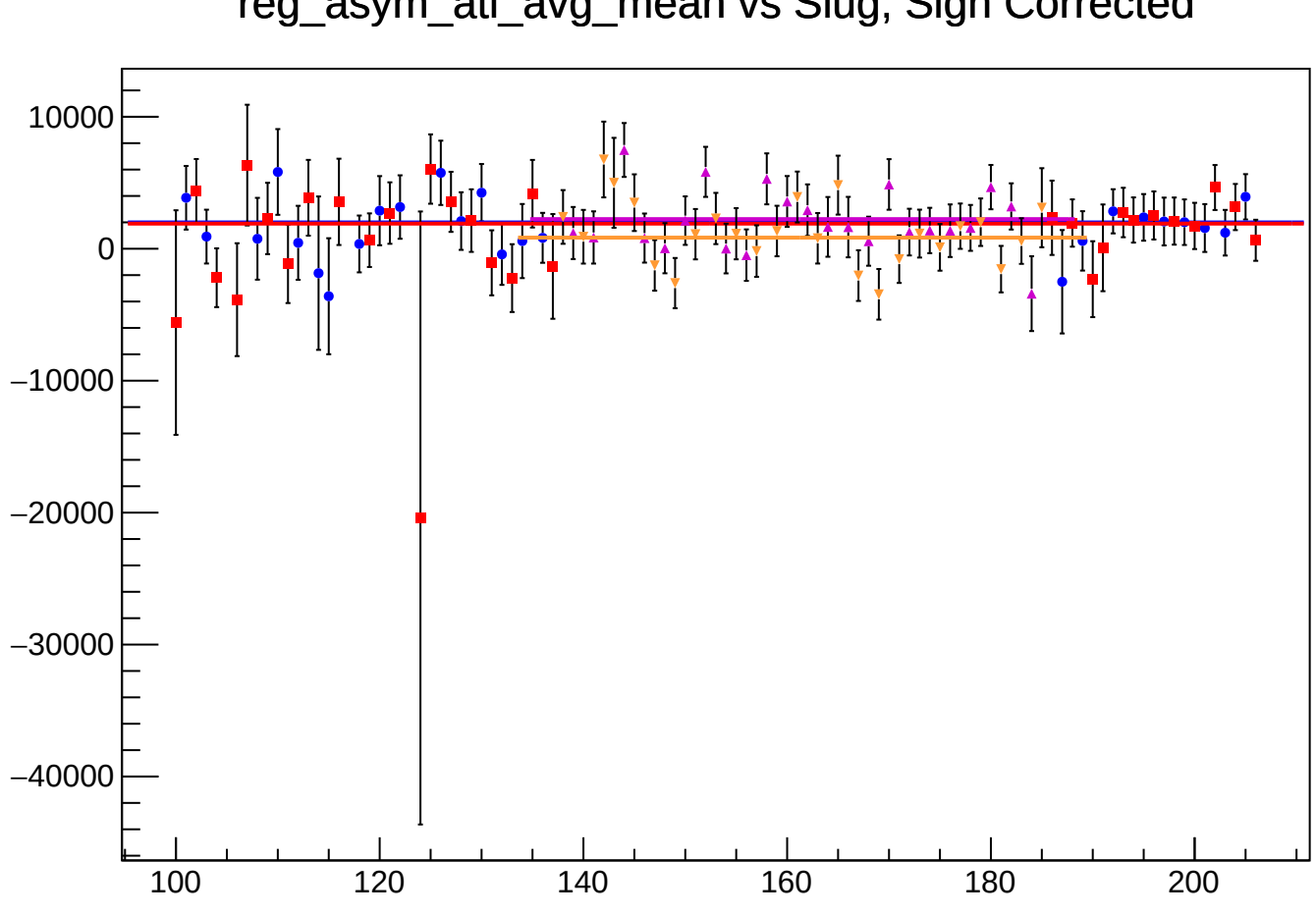
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14257903.3/55

In: 0.000+/-0.000 χ^2/NDF:12249010.2/47

Out: 0.000+/-0.000 χ^2/NDF:13776766.6/55

All: 0.000+/-0.000 χ^2/NDF: 26067099.5/103



Right In: 1993.451+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1904.318+/-417.940 χ^2/NDF: 26.2/30

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

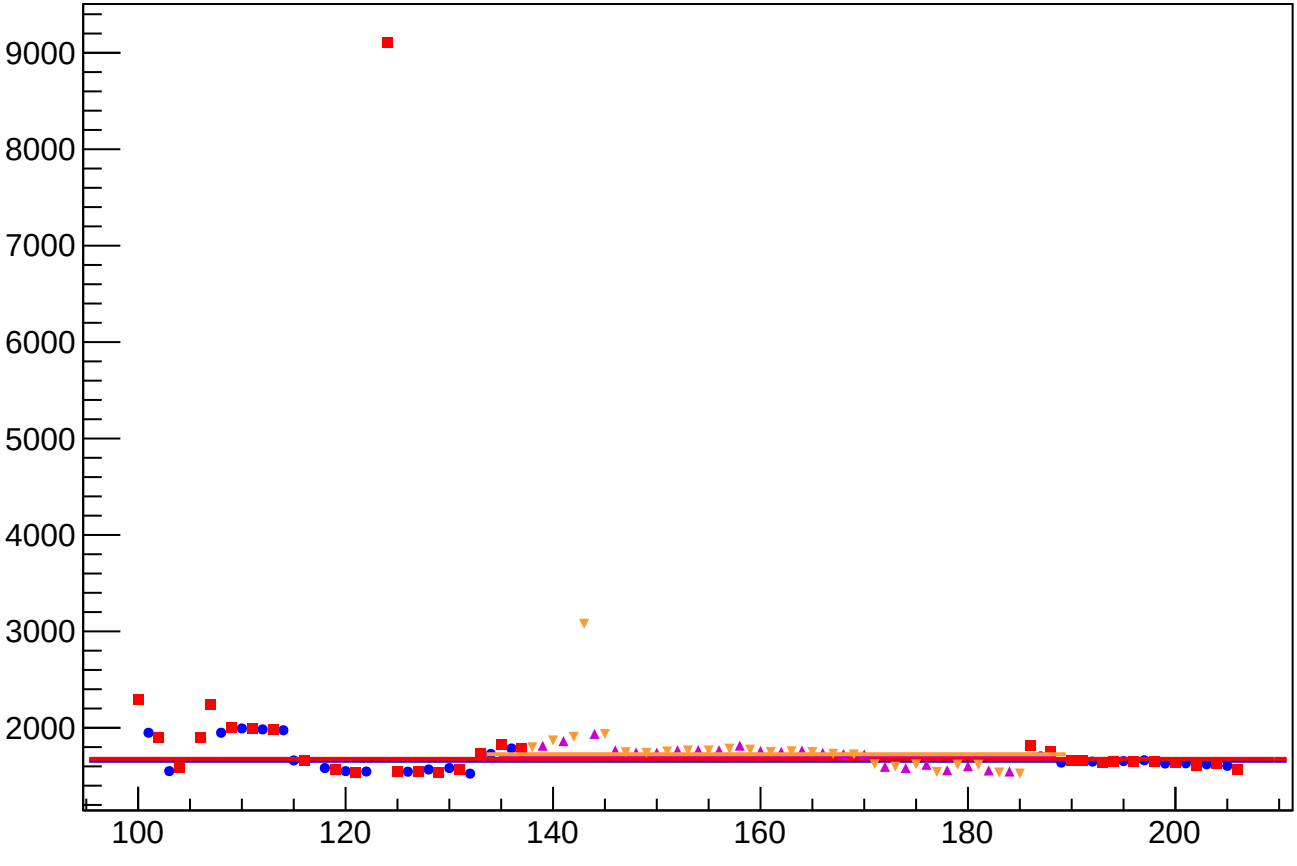
Right: 1946.285+/-304.025 χ^2/NDF: 40.7/55

In: 2131.832+/-297.214 χ^2/NDF:44.0/47

Out: 1342.234+/-286.861 χ^2/NDF:60.0/55

All: 1723.042+/-206.404 χ^2/NDF: 107.7/103

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.4/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.914+/-0.295 χ^2/NDF: 417810.7/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

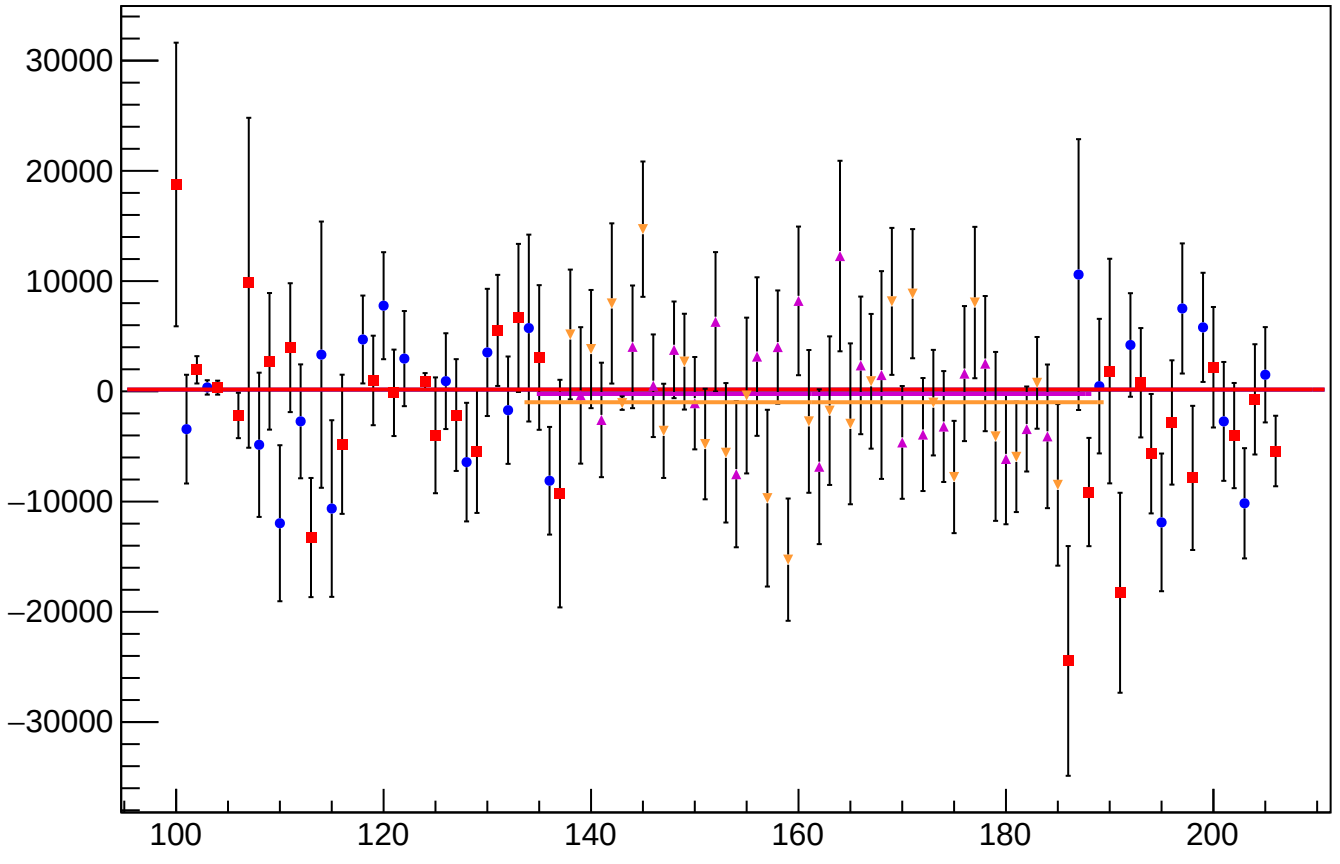
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1668.738+/-0.215 χ^2/NDF: 567628.2/55

In: 1688.510+/-0.210 χ^2/NDF:293858.2/47

Out: 1703.329+/-0.203 χ^2/NDF:886808.2/55

All: 1696.189+/-0.146 χ^2/NDF: 1183242.9/10



Right In: 152.836+/-562.631 χ^2/NDF: 28.5/24

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 165.265+/-409.645 χ^2/NDF: 39.5/30

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

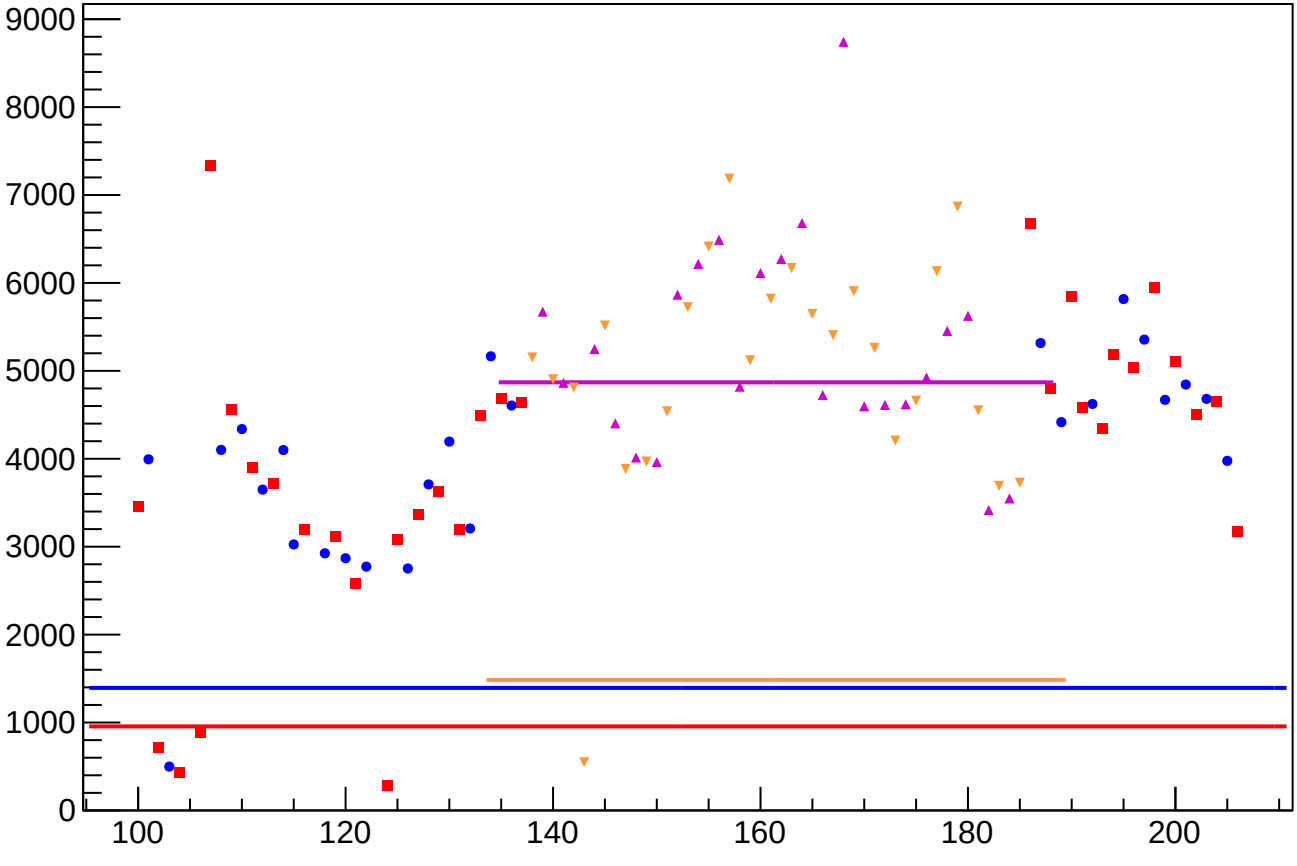
Right: 160.959+/-331.166 χ^2/NDF: 68.0/55

In: 78.625+/-506.645 χ^2/NDF:42.1/47

Out: -254.616+/-326.639 χ^2/NDF:73.2/55

All: -156.773+/-274.530 χ^2/NDF: 115.6/103

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1394.071+/-0.398 χ^2/NDF: 15633109.0/24

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 956.014+/-0.290 χ^2/NDF: 20714291.9/30

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

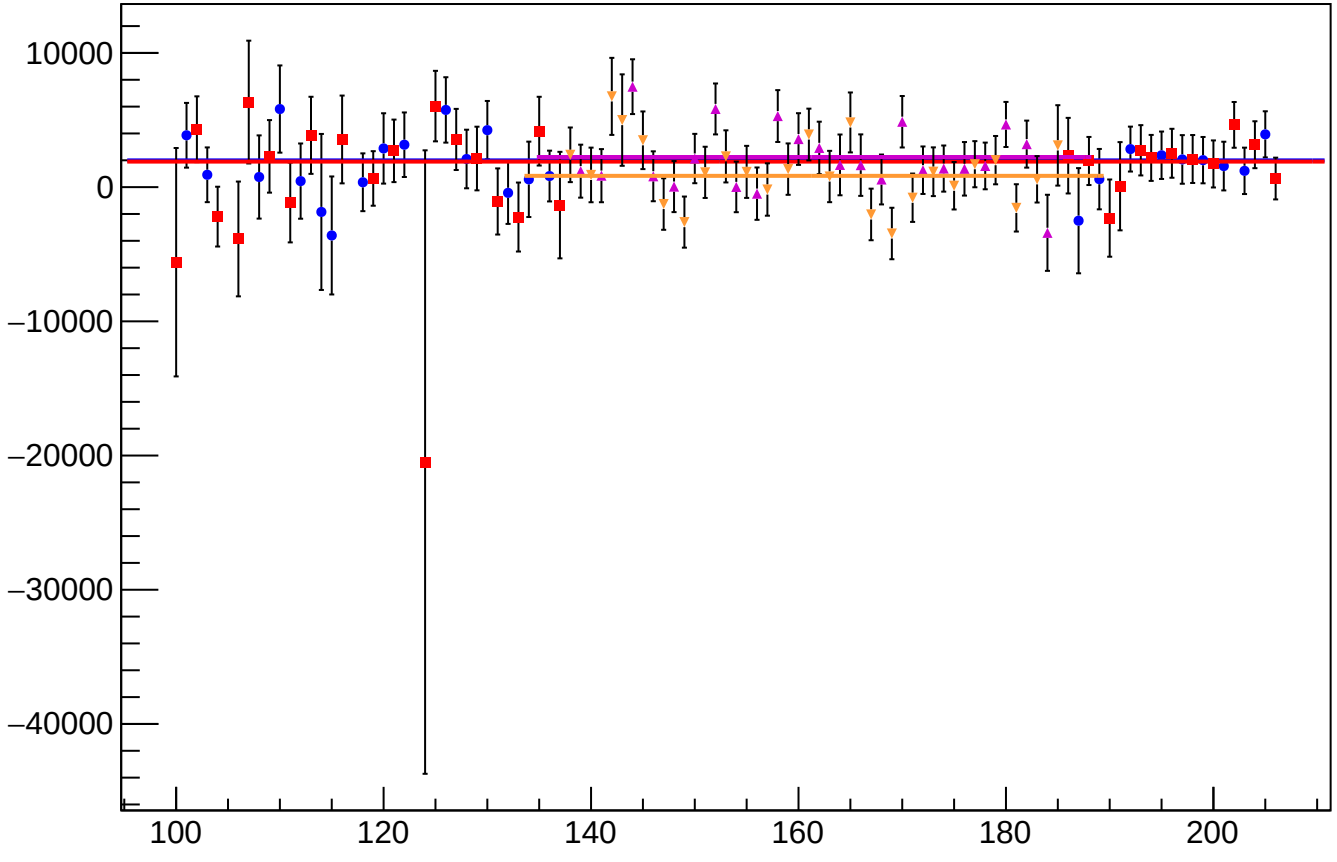
Right: 1107.780+/-0.234 χ^2/NDF: 37139759.0/55

In: 2051.358+/-0.358 χ^2/NDF:31540868.1/47

Out: 1148.511+/-0.231 χ^2/NDF:45151862.0/55

All: 1413.597+/-0.194 χ^2/NDF: 81179094.8/1

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1903.283+/-417.942 χ^2/NDF: 26.2/30

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

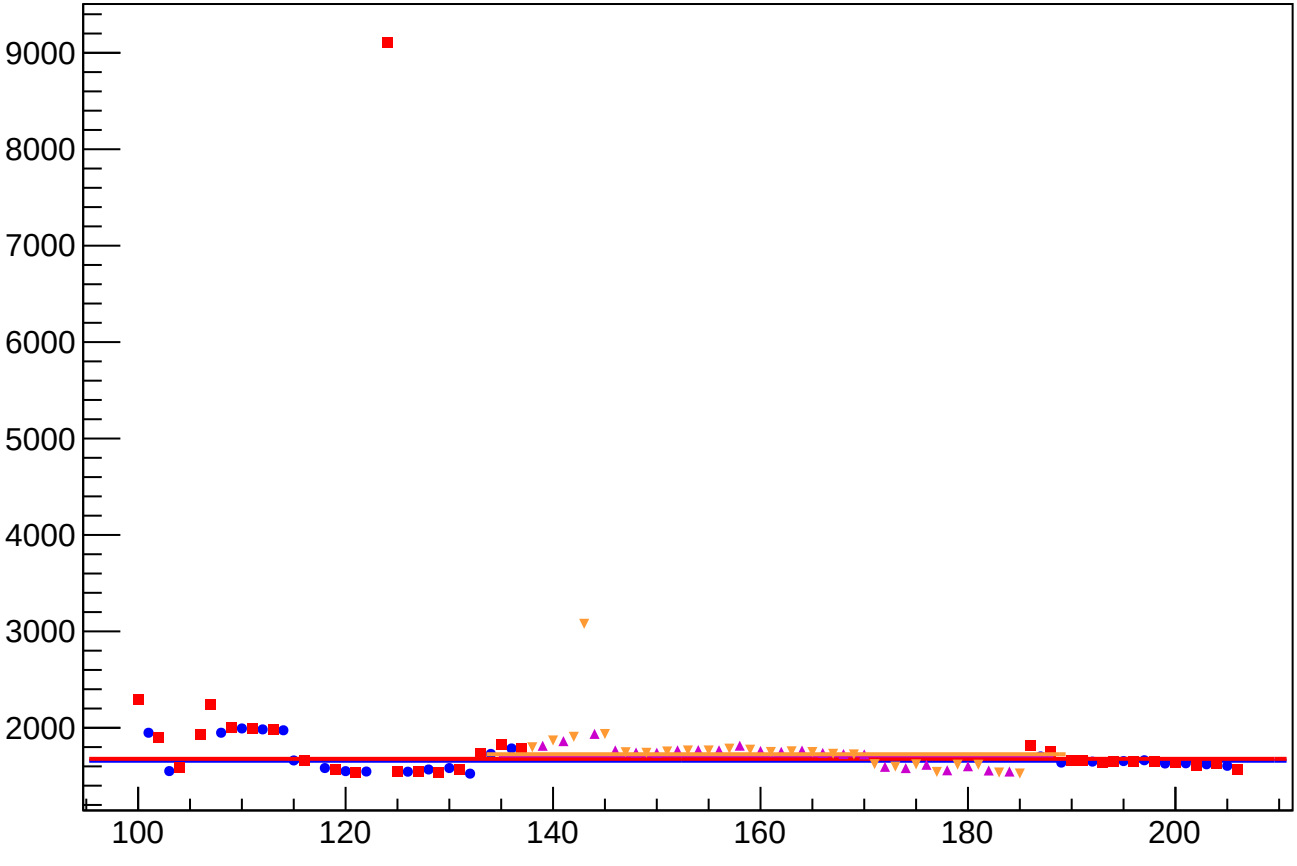
Right: 1945.770+/-304.026 χ^2/NDF: 40.7/55

In: 2131.874+/-297.214 χ^2/NDF:44.0/47

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1722.807+/-206.405 χ^2/NDF: 107.7/103

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

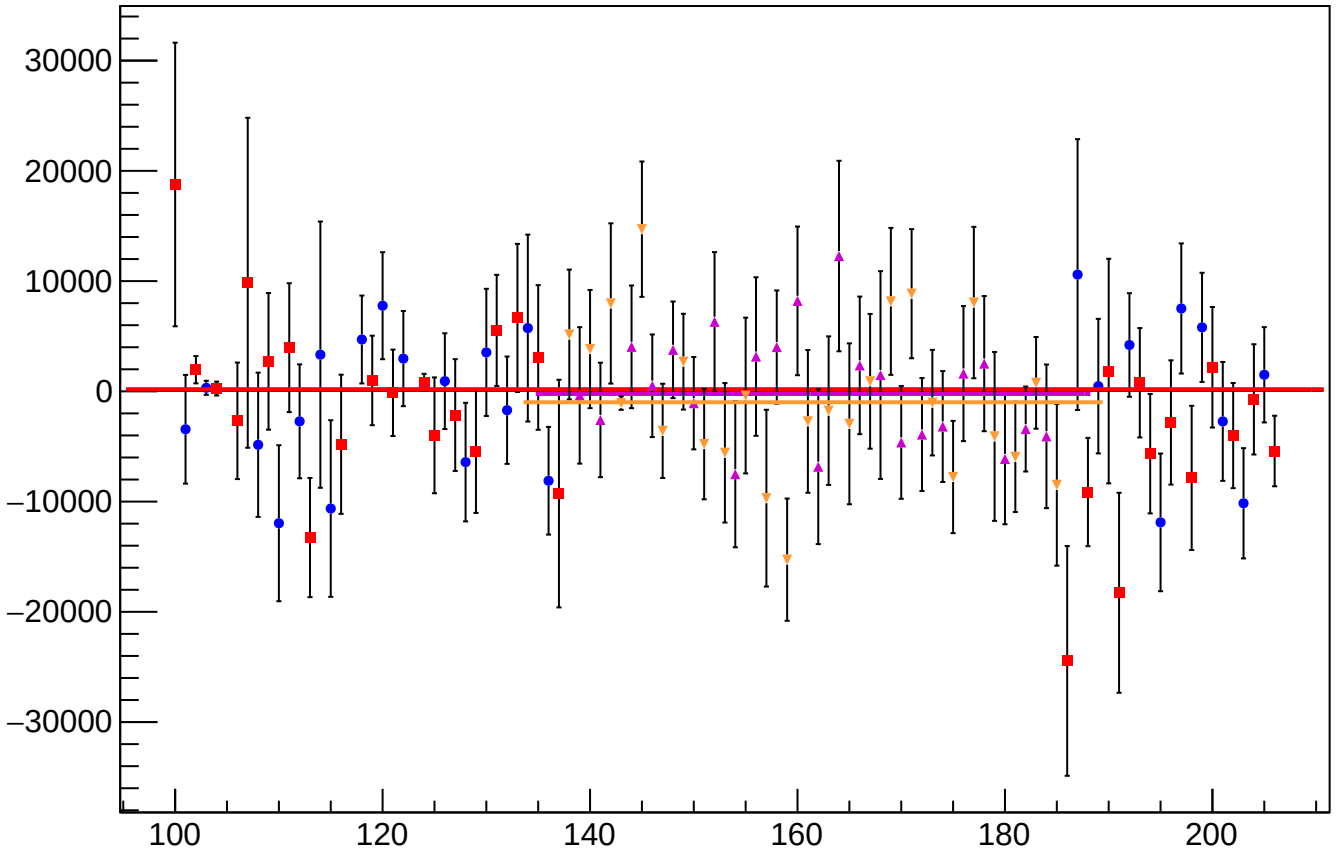
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1668.915+/-0.215 χ^2/NDF: 569766.6/55

In: 1688.510+/-0.210 χ^2/NDF:293858.3/47

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1696.274+/-0.146 χ^2/NDF: 1185167.2/10



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 193.596+/-414.874 χ^2/NDF: 38.3/30

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

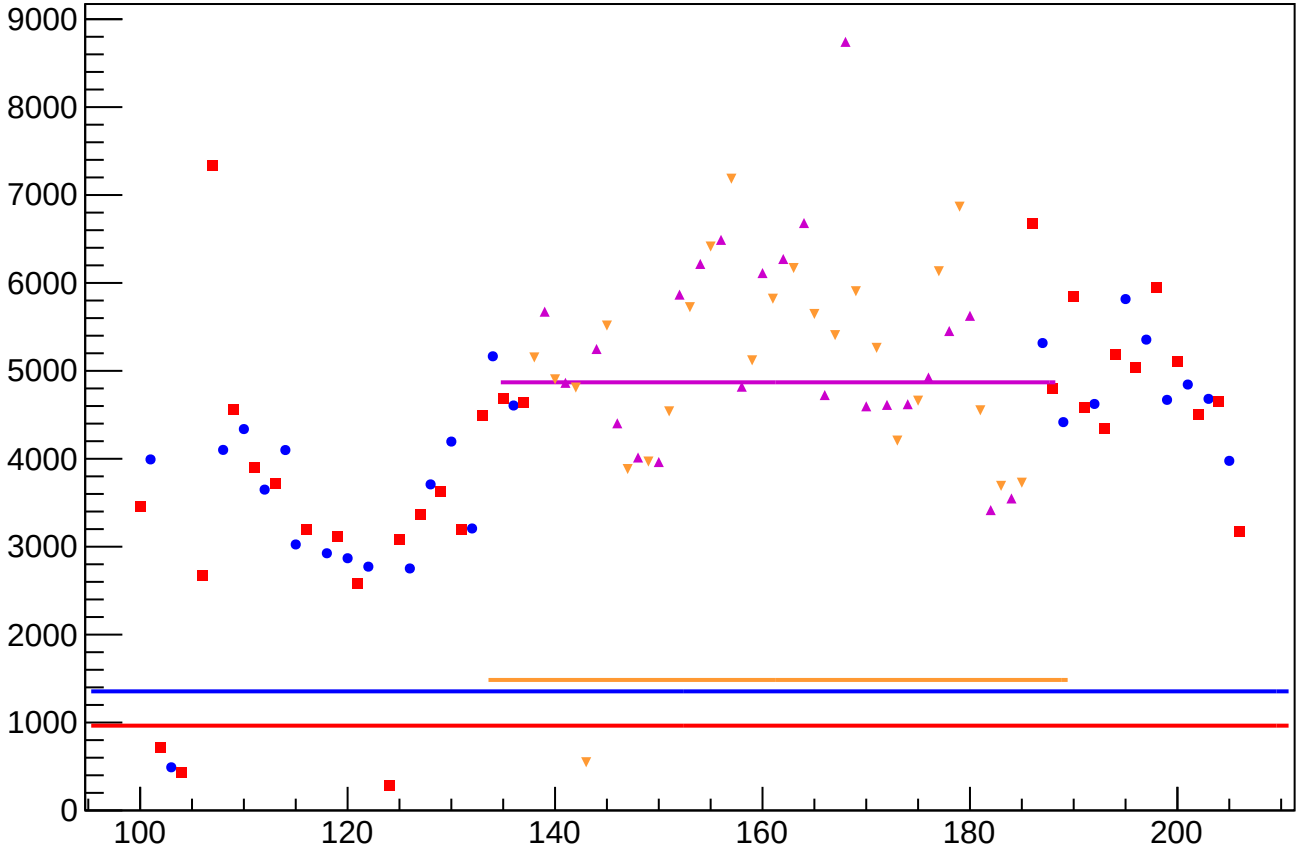
Right: 171.972+/-331.660 χ^2/NDF: 66.8/55

In: 65.257+/-498.887 χ^2/NDF:42.1/47

Out: -243.461+/-329.267 χ^2/NDF:72.1/55

All: -149.787+/-274.809 χ^2/NDF: 114.5/103

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

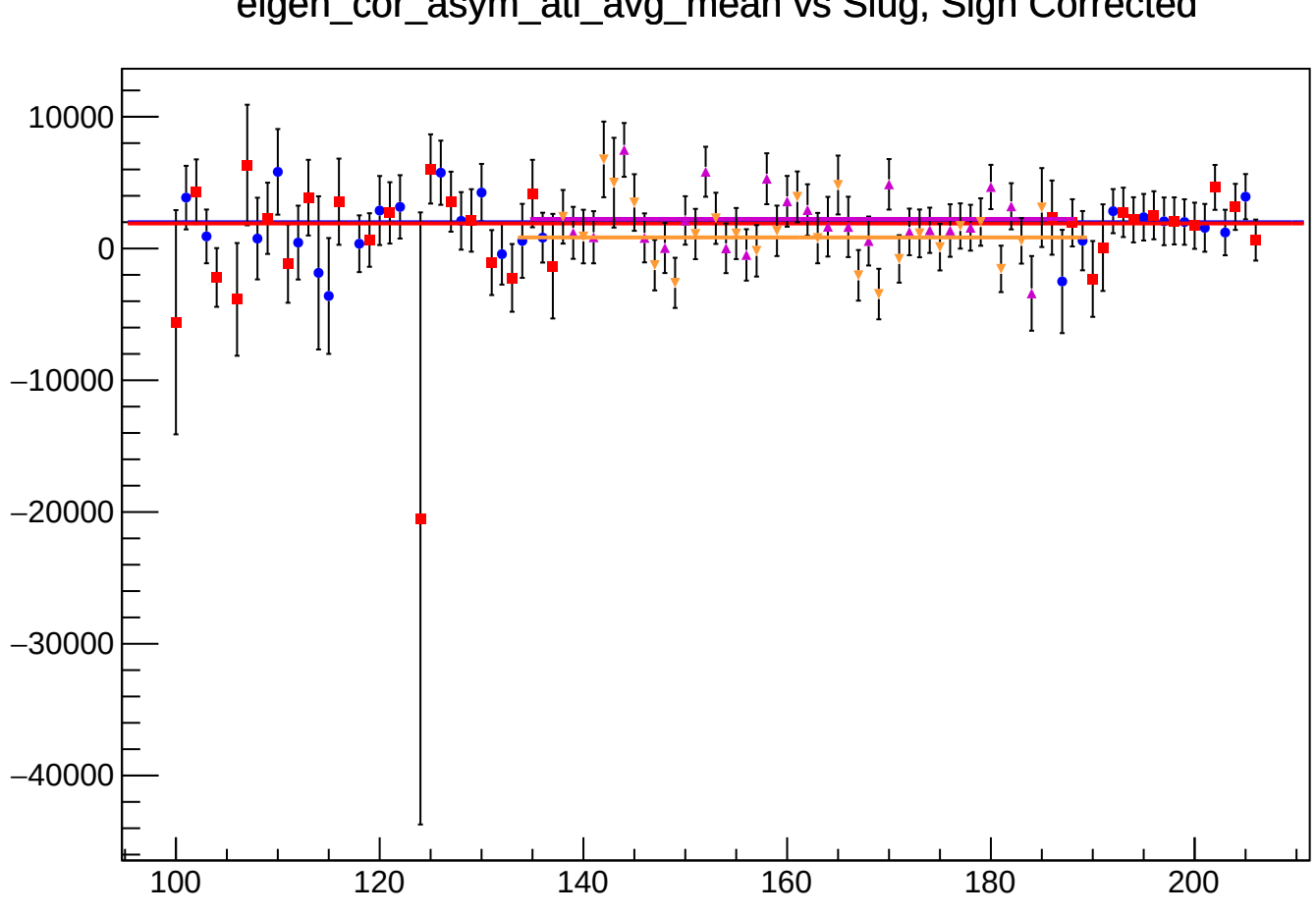
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1105.327+/-0.235 χ^2/NDF: 37489630.4/55

In: 1999.196+/-0.353 χ^2/NDF:32232104.1/47

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1412.521+/-0.194 χ^2/NDF: 81551785.9/1



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1903.283+/-417.942 χ^2/NDF: 26.2/30

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

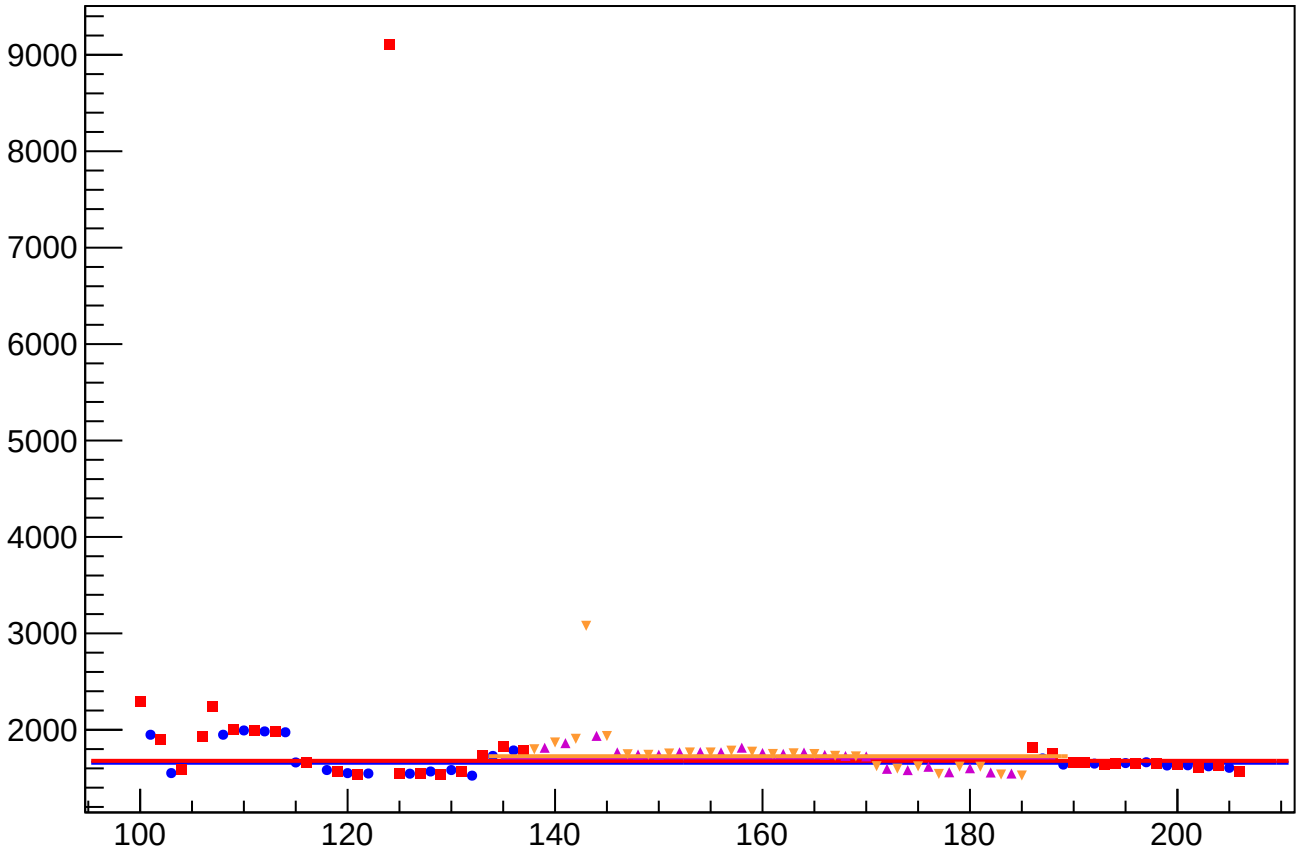
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1945.770+/-304.026 χ^2/NDF: 40.7/55

In: 2131.874+/-297.214 χ^2/NDF:44.0/47

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1722.807+/-206.405 χ^2/NDF: 107.7/103



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

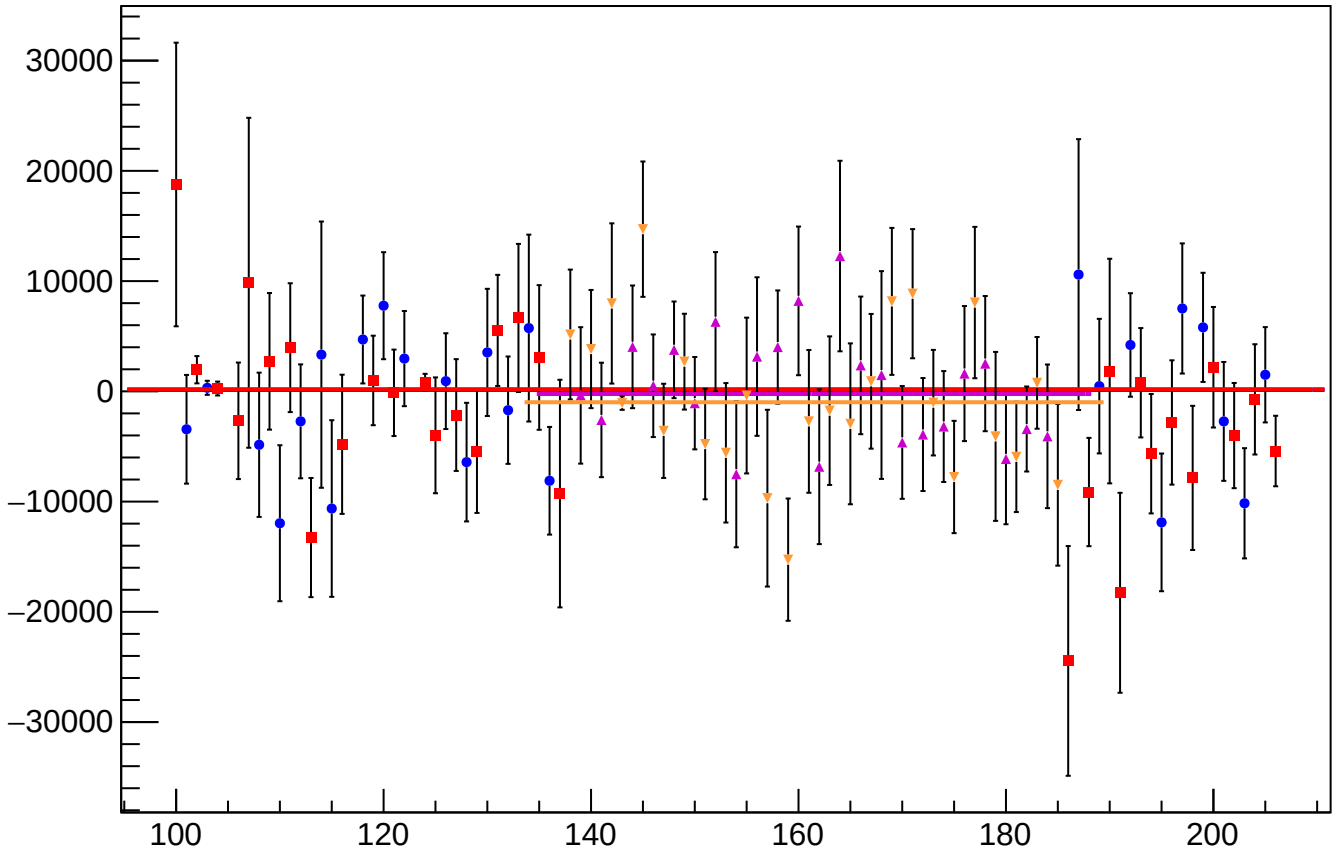
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1668.915+/-0.215 χ^2/NDF: 569766.6/55

In: 1688.510+/-0.210 χ^2/NDF:293858.3/47

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1696.274+/-0.146 χ^2/NDF: 1185167.2/10



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 193.596+/-414.874 χ^2/NDF: 38.3/30

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

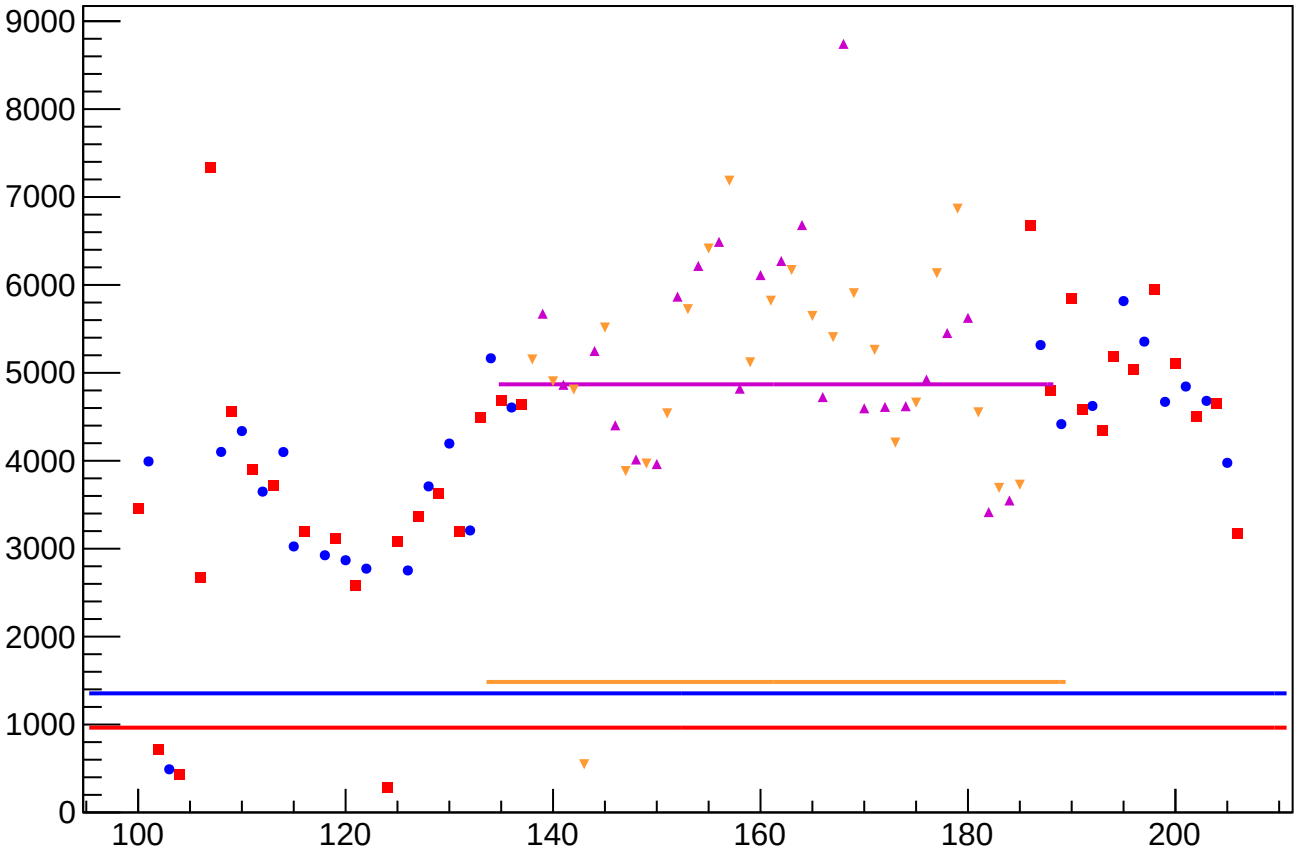
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 171.972+/-331.660 χ^2/NDF: 66.8/55

In: 65.257+/-498.887 χ^2/NDF:42.1/47

Out: -243.461+/-329.267 χ^2/NDF:72.1/55

All: -149.787+/-274.809 χ^2/NDF: 114.5/103



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

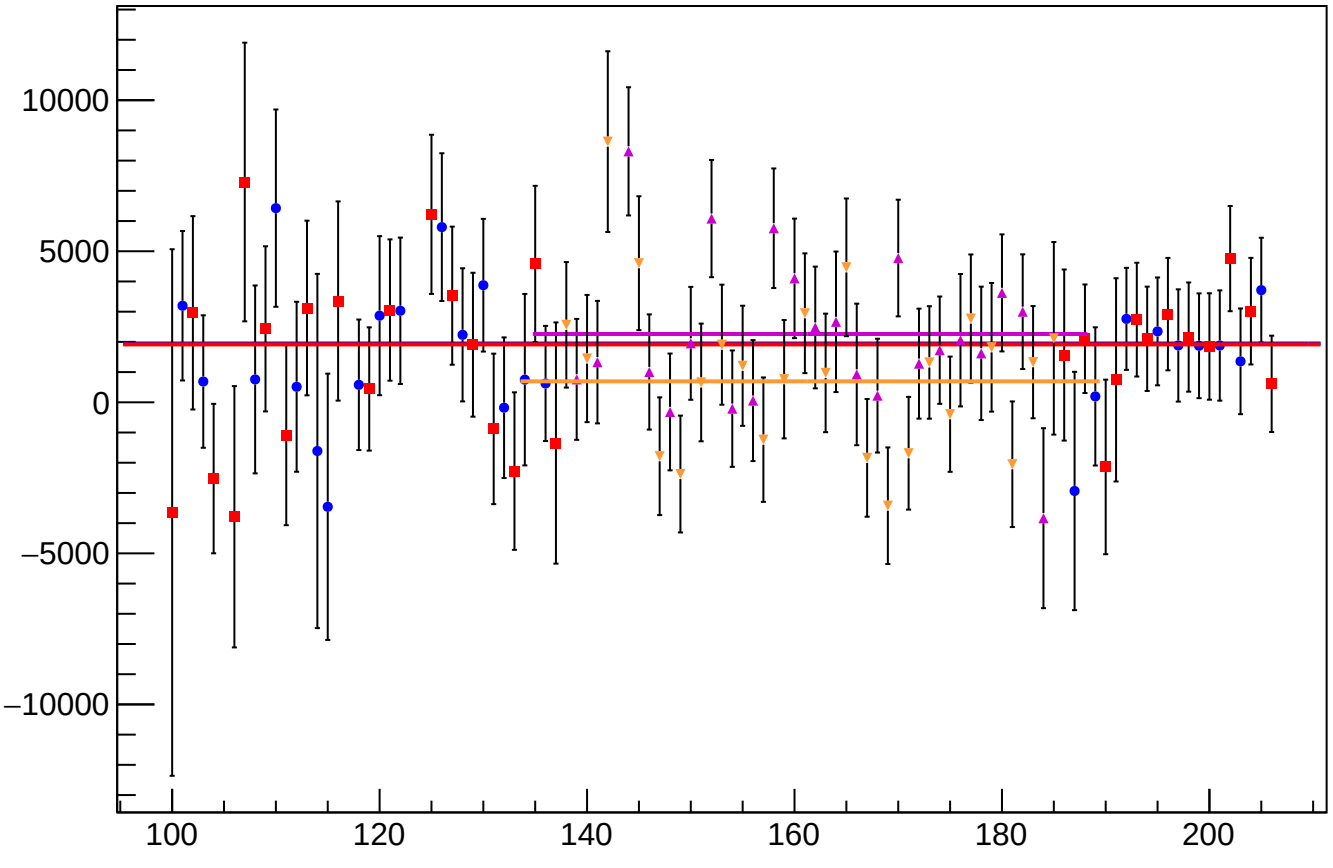
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1105.327+/-0.235 χ^2/NDF: 37489630.4/55

In: 1999.196+/-0.353 χ^2/NDF:32232104.1/47

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1412.521+/-0.194 χ^2/NDF: 81551785.9/1



Right In: 1945.416+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1916.555+/-425.986 χ^2/NDF: 24.1/29

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

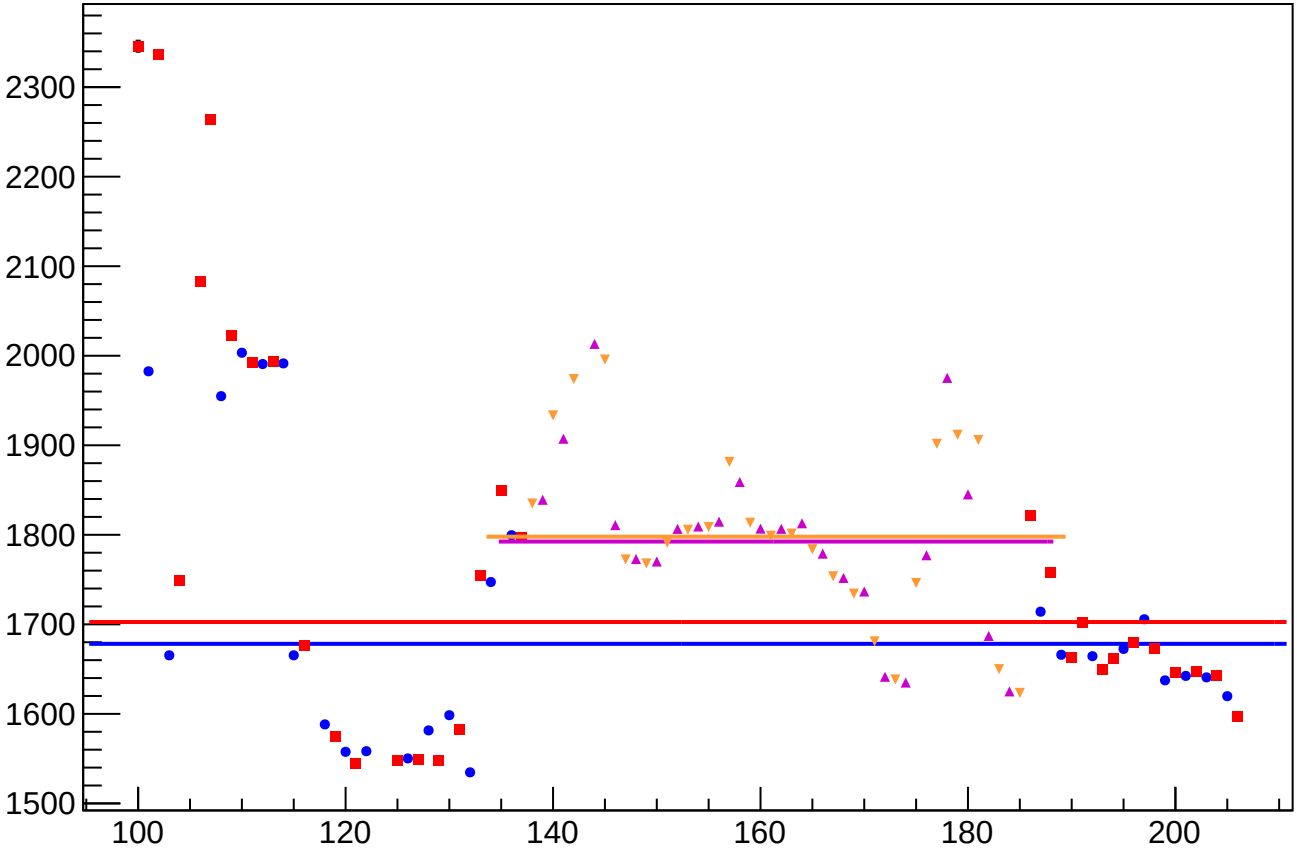
Right: 1930.241+/-308.890 χ^2/NDF: 37.9/54

In: 2114.292+/-306.264 χ^2/NDF:44.5/47

Out: 1293.945+/-298.373 χ^2/NDF:60.5/53

All: 1693.413+/-213.717 χ^2/NDF: 108.7/101

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.221+/-0.317 χ^2/NDF: 143715.3/24

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.8/29

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

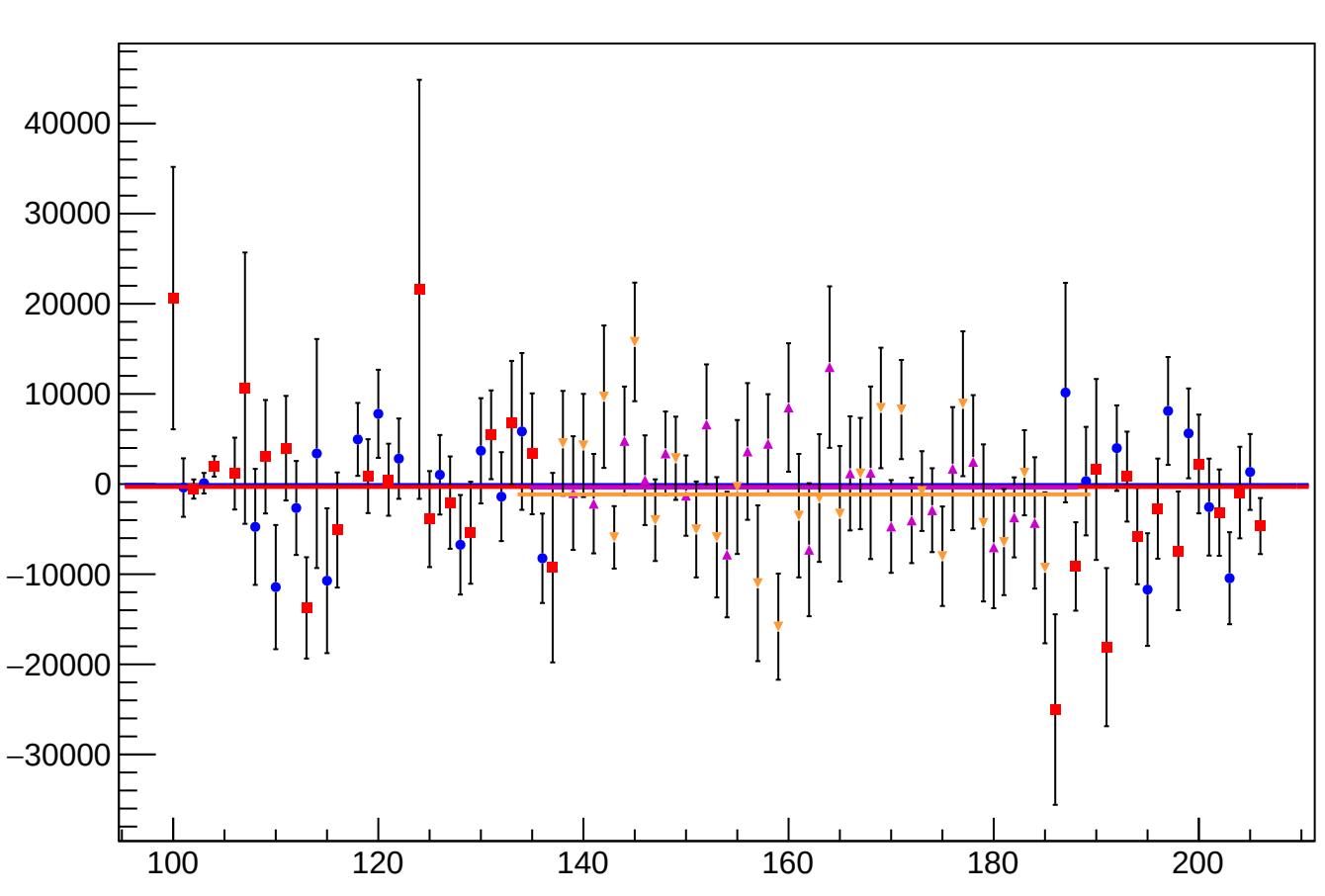
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1691.056+/-0.218 χ^2/NDF: 430605.0/54

In: 1739.199+/-0.217 χ^2/NDF:305828.3/47

Out: 1751.111+/-0.211 χ^2/NDF:432817.3/53

All: 1745.313+/-0.151 χ^2/NDF: 740198.6/101



Right In: -105.806+/-783.194 χ^2/NDF: 27.6/24

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -323.560+/-621.202 χ^2/NDF: 37.6/30

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

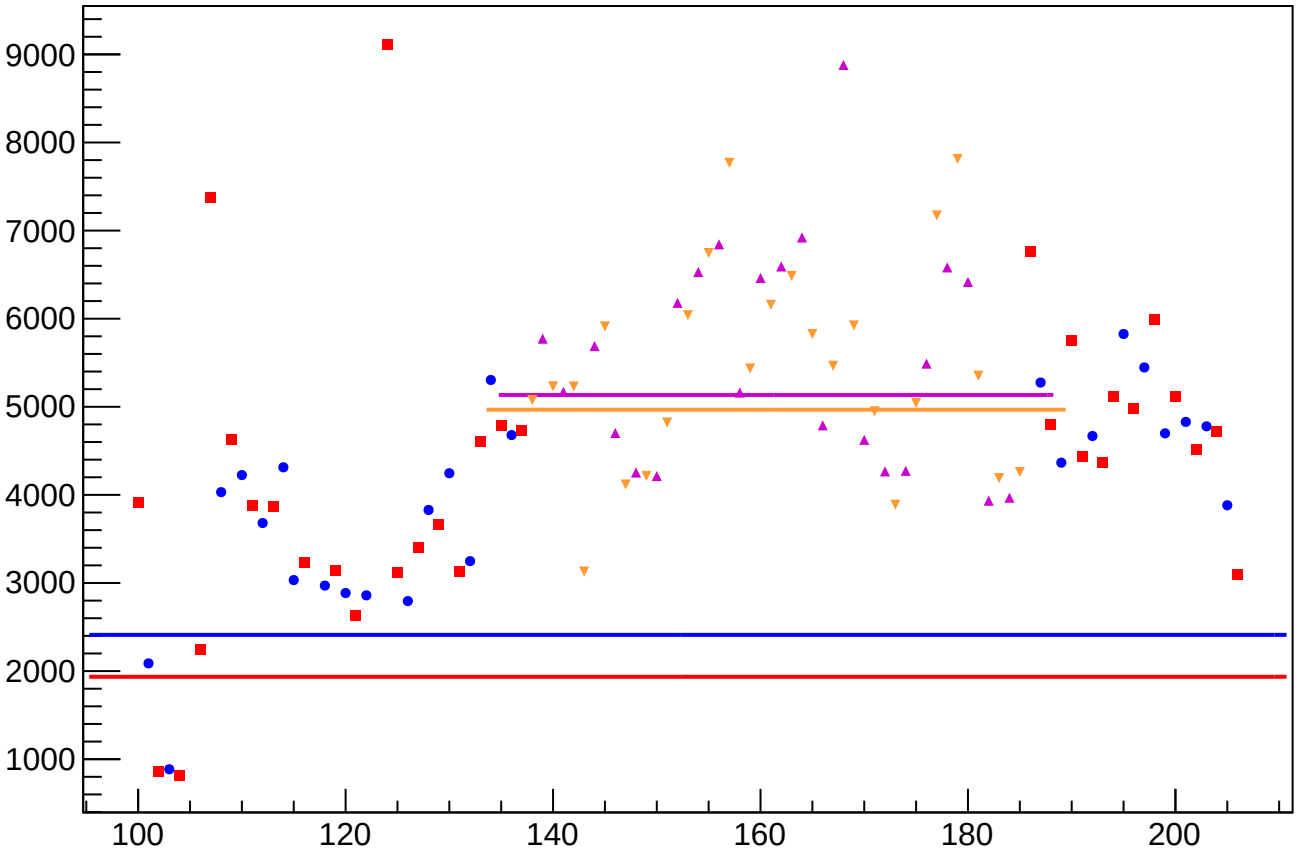
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -239.470+/-486.696 χ^2/NDF: 65.3/55

In: -183.559+/-660.435 χ^2/NDF:40.9/47

Out: -505.411+/-548.089 χ^2/NDF:70.6/55

All: -374.149+/-421.767 χ^2/NDF: 111.6/103



Right In: 2411.384+/-0.554 χ^2/NDF: 8538968.0/24

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1935.574+/-0.439 χ^2/NDF: 13272260.7/30

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

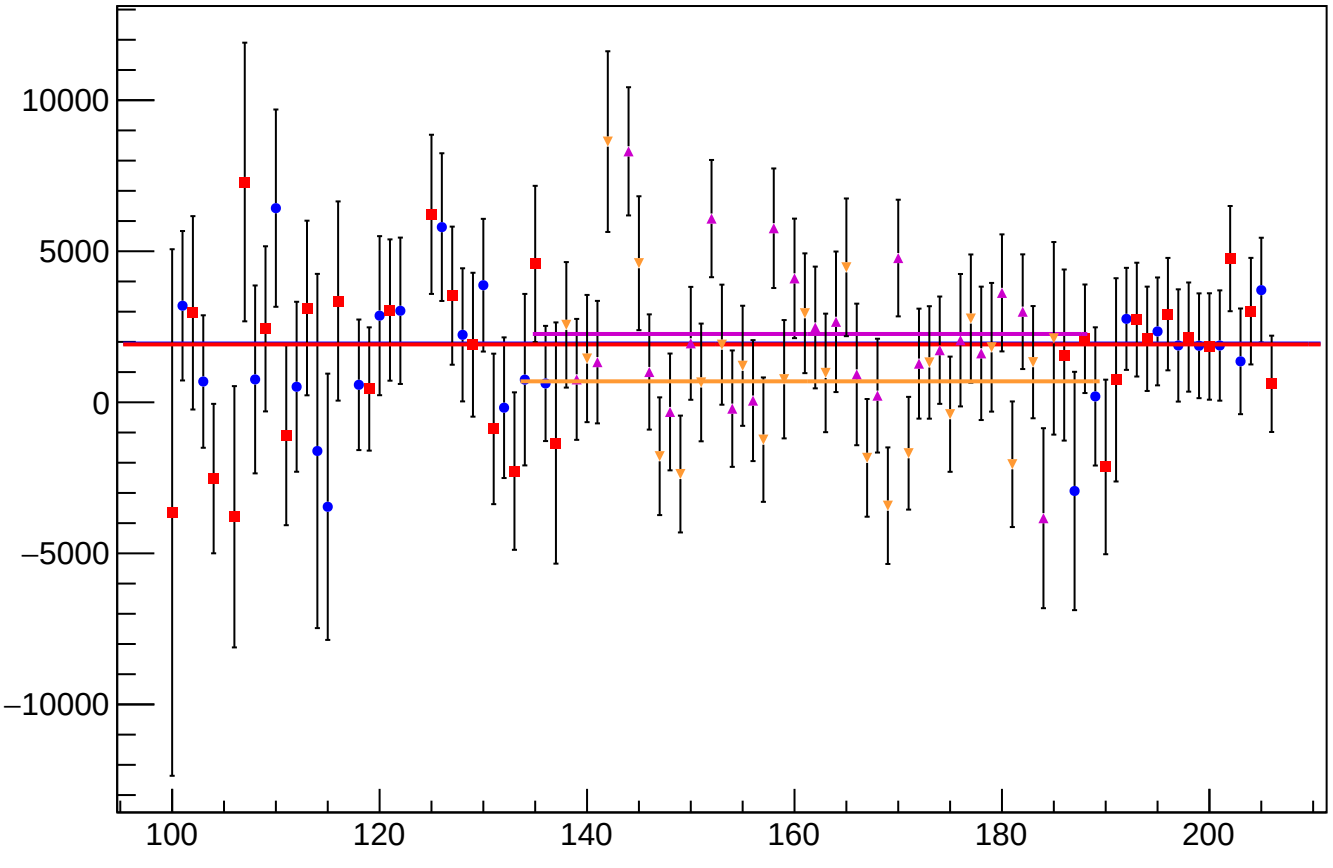
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2119.317+/-0.344 χ^2/NDF: 22264344.1/55

In: 3198.115+/-0.467 χ^2/NDF:17011187.6/47

Out: 2607.132+/-0.388 χ^2/NDF:25740803.6/55

All: 2848.155+/-0.298 χ^2/NDF: 43700330.6/



Right In: 1945.411+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1916.551+/-425.986 χ^2/NDF: 24.1/29

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

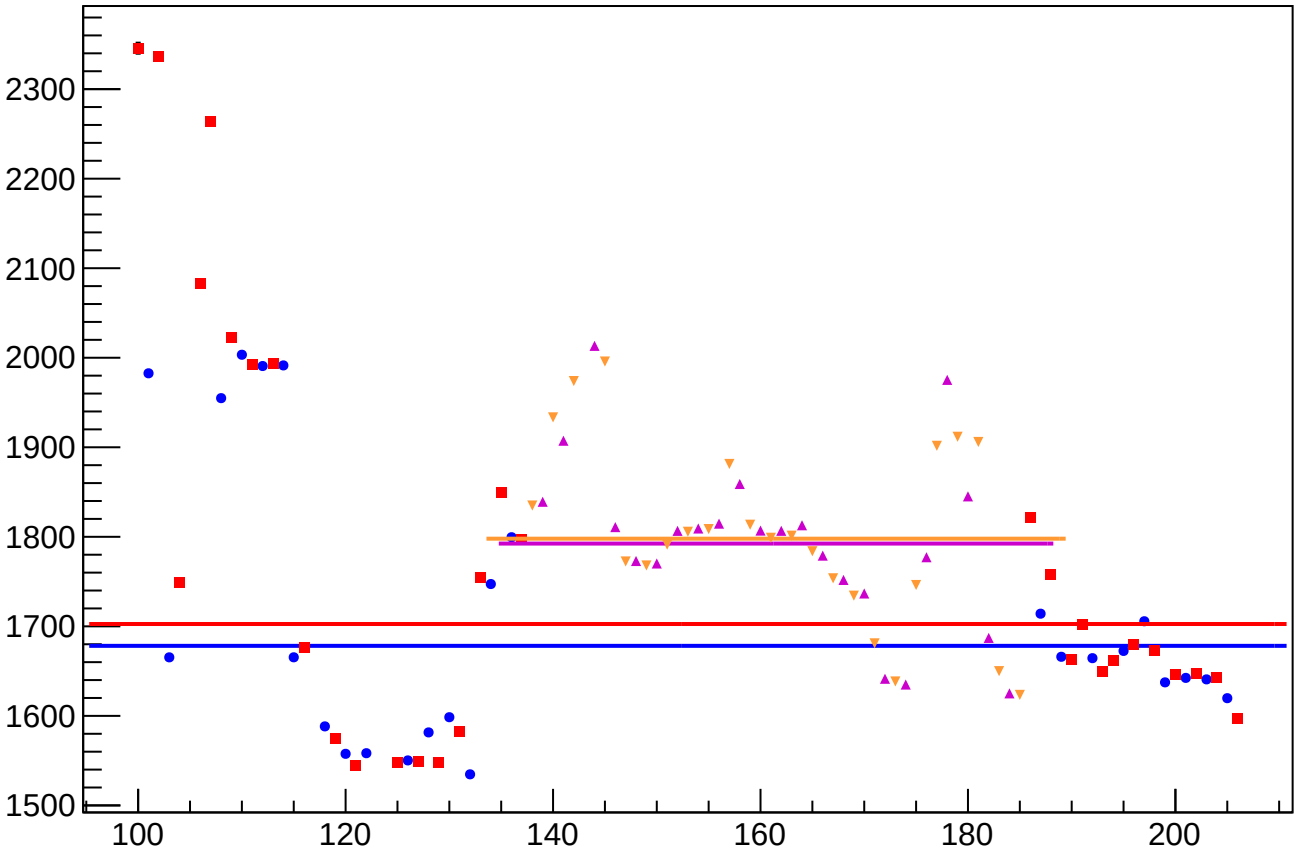
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1930.237+/-308.890 χ^2/NDF: 37.9/54

In: 2114.289+/-306.264 χ^2/NDF:44.5/47

Out: 1293.942+/-298.373 χ^2/NDF:60.5/53

All: 1693.410+/-213.717 χ^2/NDF: 108.7/101



Right In: 1678.220+/-0.317 χ^2/NDF: 143715.5/24

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.1/29

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

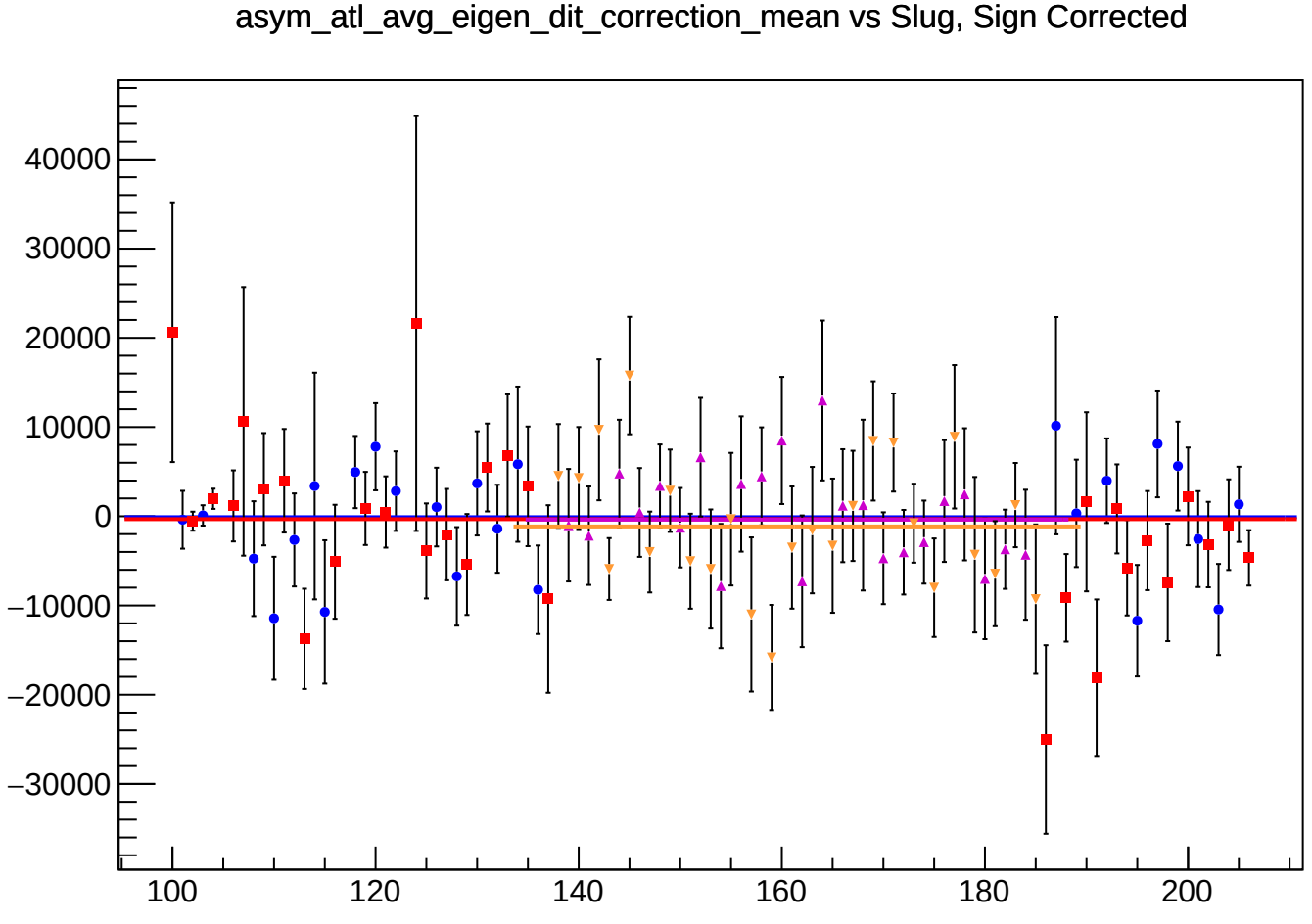
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1691.056+/-0.218 χ^2/NDF: 430604.6/54

In: 1739.200+/-0.217 χ^2/NDF:305833.6/47

Out: 1751.111+/-0.211 χ^2/NDF:432821.6/53

All: 1745.314+/-0.151 χ^2/NDF: 740208.2/101



Right In: -105.802+/-783.190 χ^2/NDF: 27.6/24

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -323.551+/-621.198 χ^2/NDF: 37.6/30

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

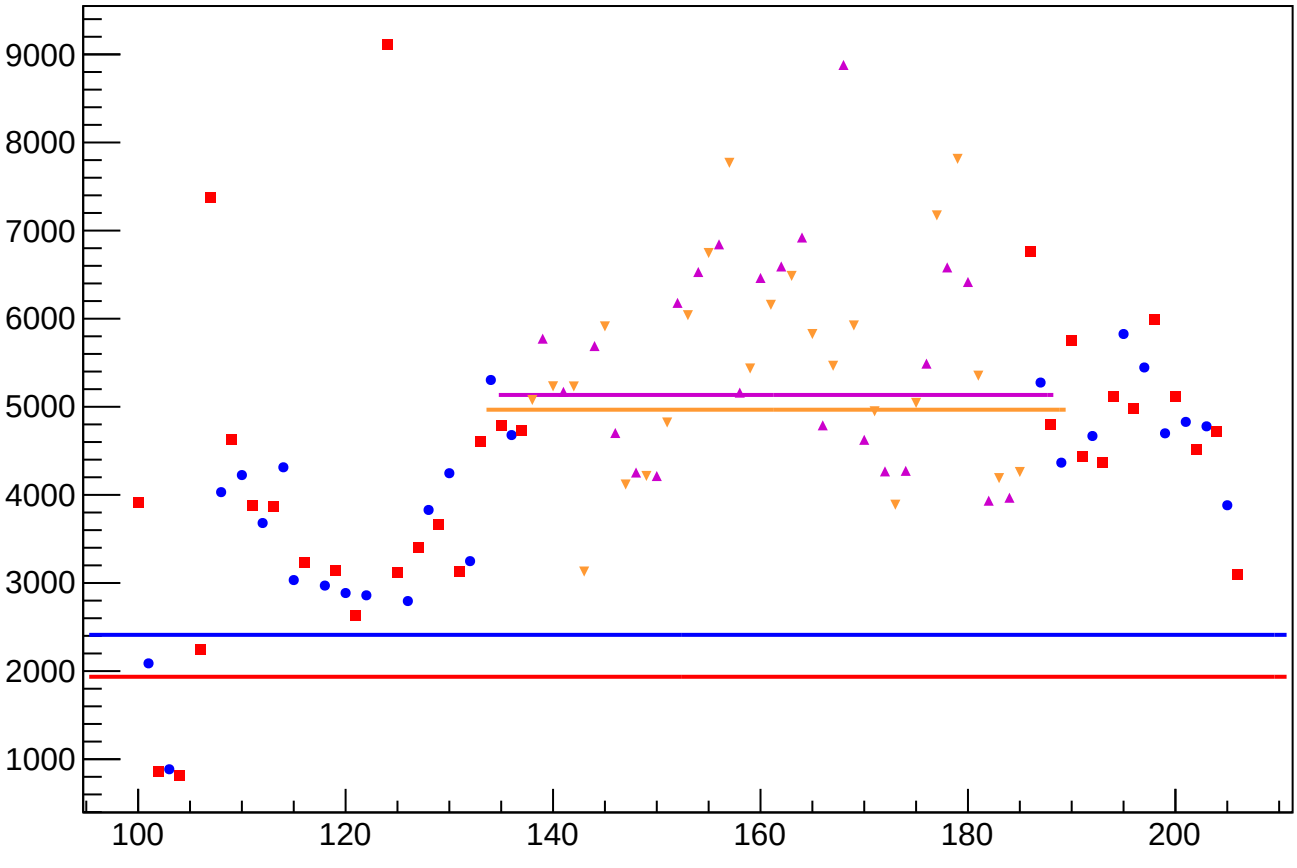
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -239.463+/-486.693 χ^2/NDF: 65.3/55

In: -183.556+/-660.433 χ^2/NDF:40.9/47

Out: -505.403+/-548.086 χ^2/NDF:70.6/55

All: -374.142+/-421.765 χ^2/NDF: 111.6/103



Right In: 2411.365+/-0.554 χ^2/NDF: 8539072.8/24

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1935.556+/-0.439 χ^2/NDF: 13272382.5/30

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

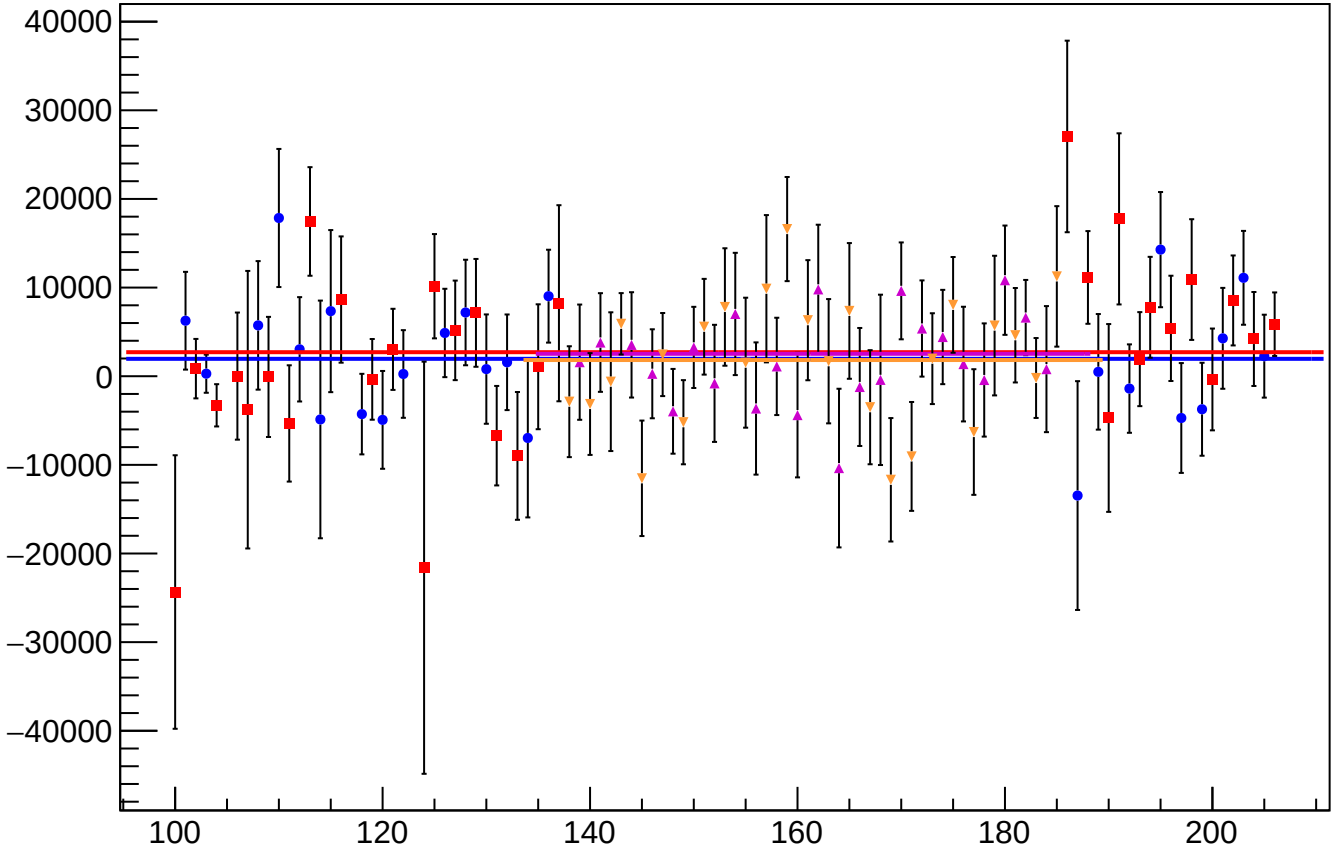
Right: 2119.298+/-0.344 χ^2/NDF: 22264573.2/55

In: 3198.097+/-0.467 χ^2/NDF:17011437.5/47

Out: 2607.112+/-0.388 χ^2/NDF:25741107.2/55

All: 2848.136+/-0.298 χ^2/NDF: 43700895.6/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1962.097+/-1054.815 χ^2/NDF: 24.8/24

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2710.516+/-993.806 χ^2/NDF: 43.3/30

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

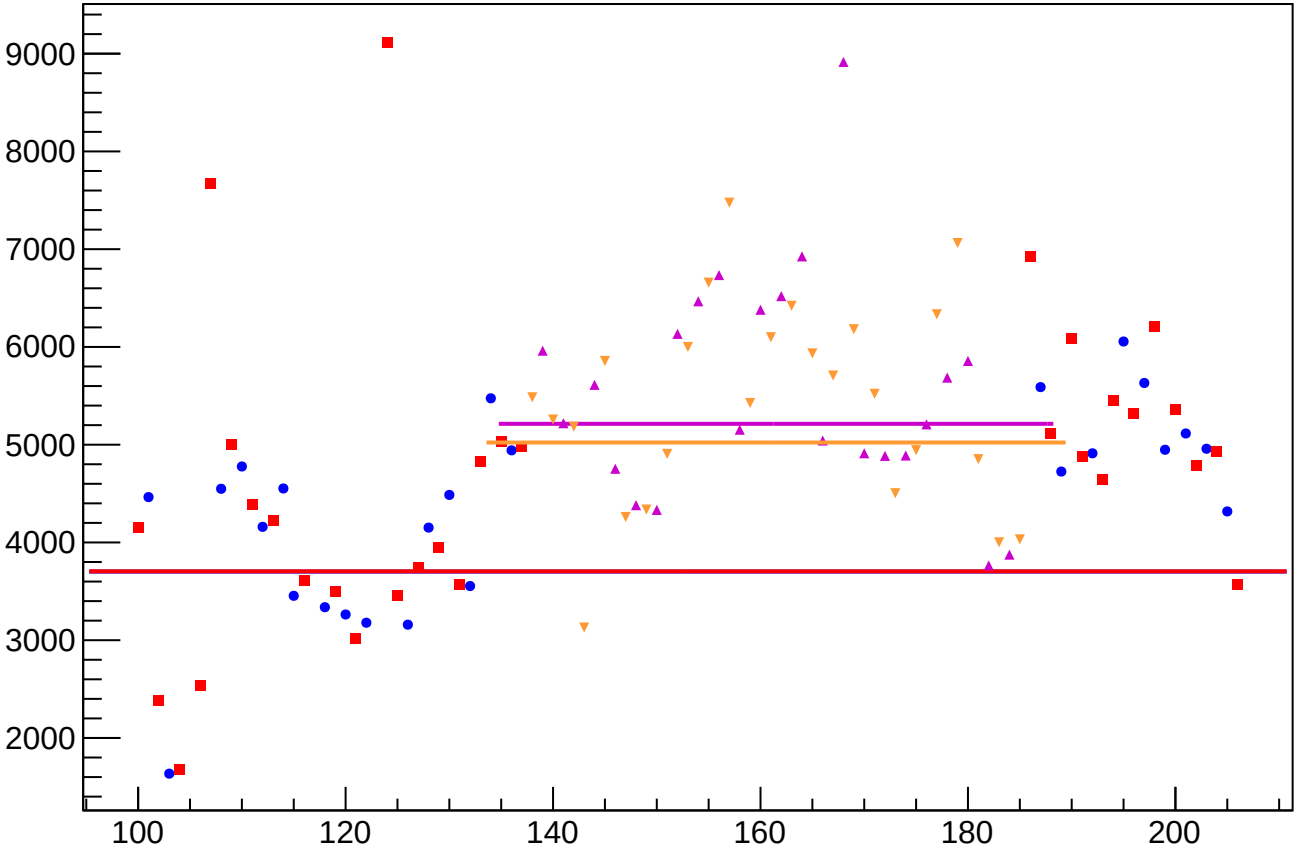
Right: 2358.575+/-723.334 χ^2/NDF: 68.4/55

In: 2199.853+/-803.999 χ^2/NDF:38.1/47

Out: 2340.803+/-758.113 χ^2/NDF:74.8/55

All: 2274.465+/-551.575 χ^2/NDF: 112.9/103

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3702.103+/-0.746 χ^2/NDF: 3325270.7/24

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3704.591+/-0.696 χ^2/NDF: 3914331.5/30

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

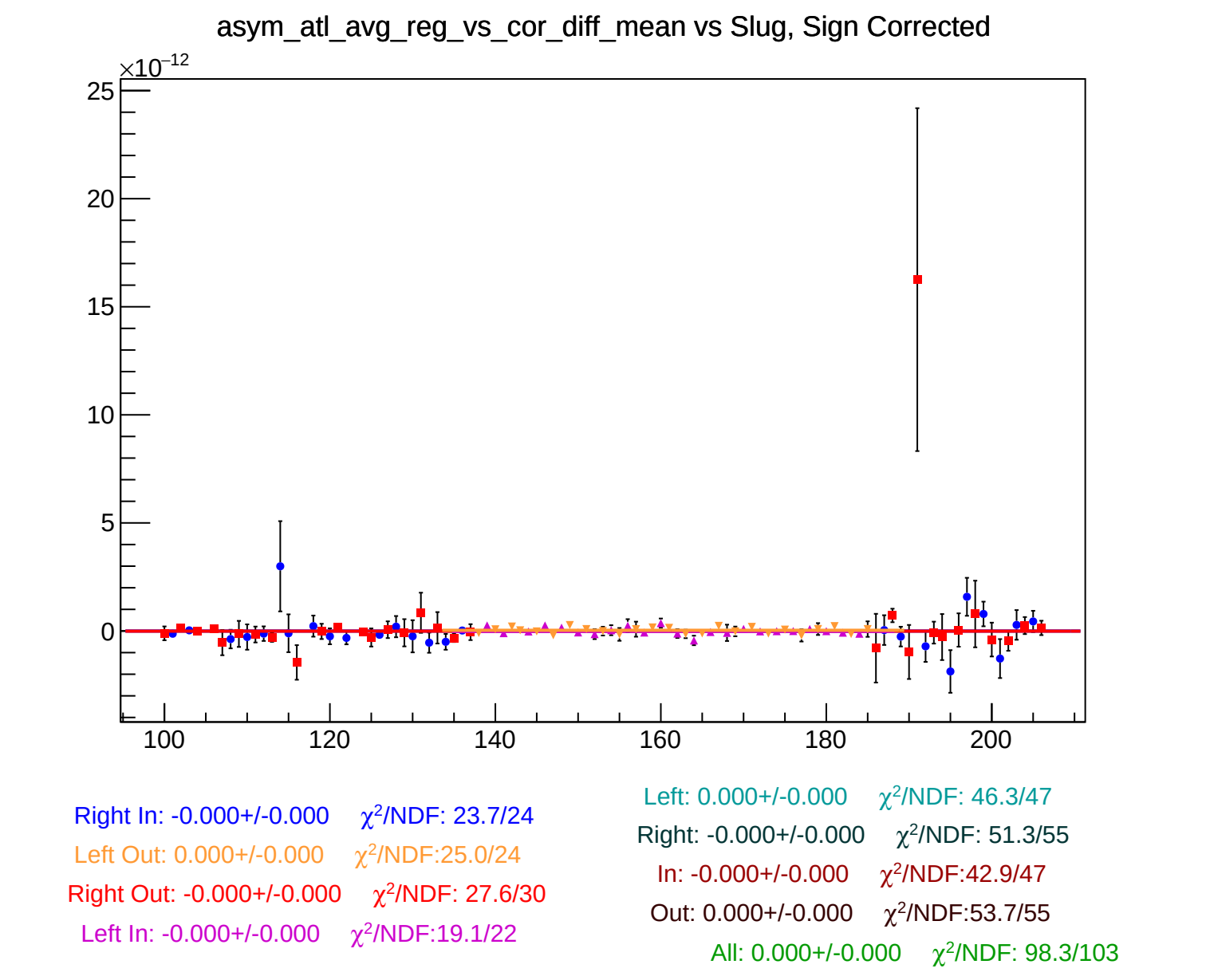
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

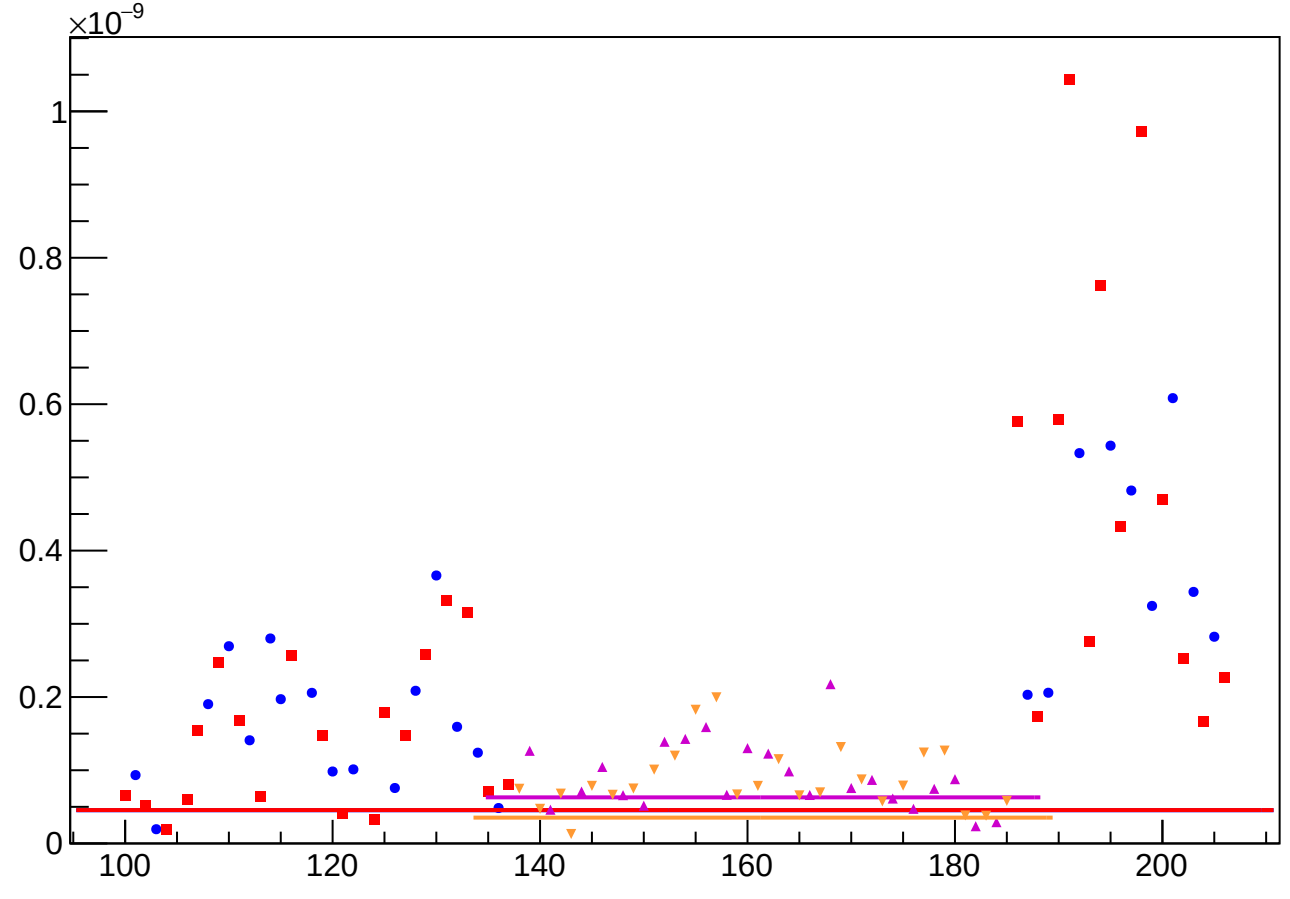
Right: 3703.434+/-0.509 χ^2/NDF: 7239608.2/55

In: 4335.467+/-0.569 χ^2/NDF:6269324.5/47

Out: 4249.064+/-0.533 χ^2/NDF:7073623.0/55

All: 4289.475+/-0.389 χ^2/NDF: 13355242.6/1


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.7/24
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.6/30
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 51.3/55
In: -0.000+/-0.000 χ²/NDF:42.9/47
Out: 0.000+/-0.000 χ²/NDF:53.7/55
All: 0.000+/-0.000 χ²/NDF: 98.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 7352600.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8127847.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

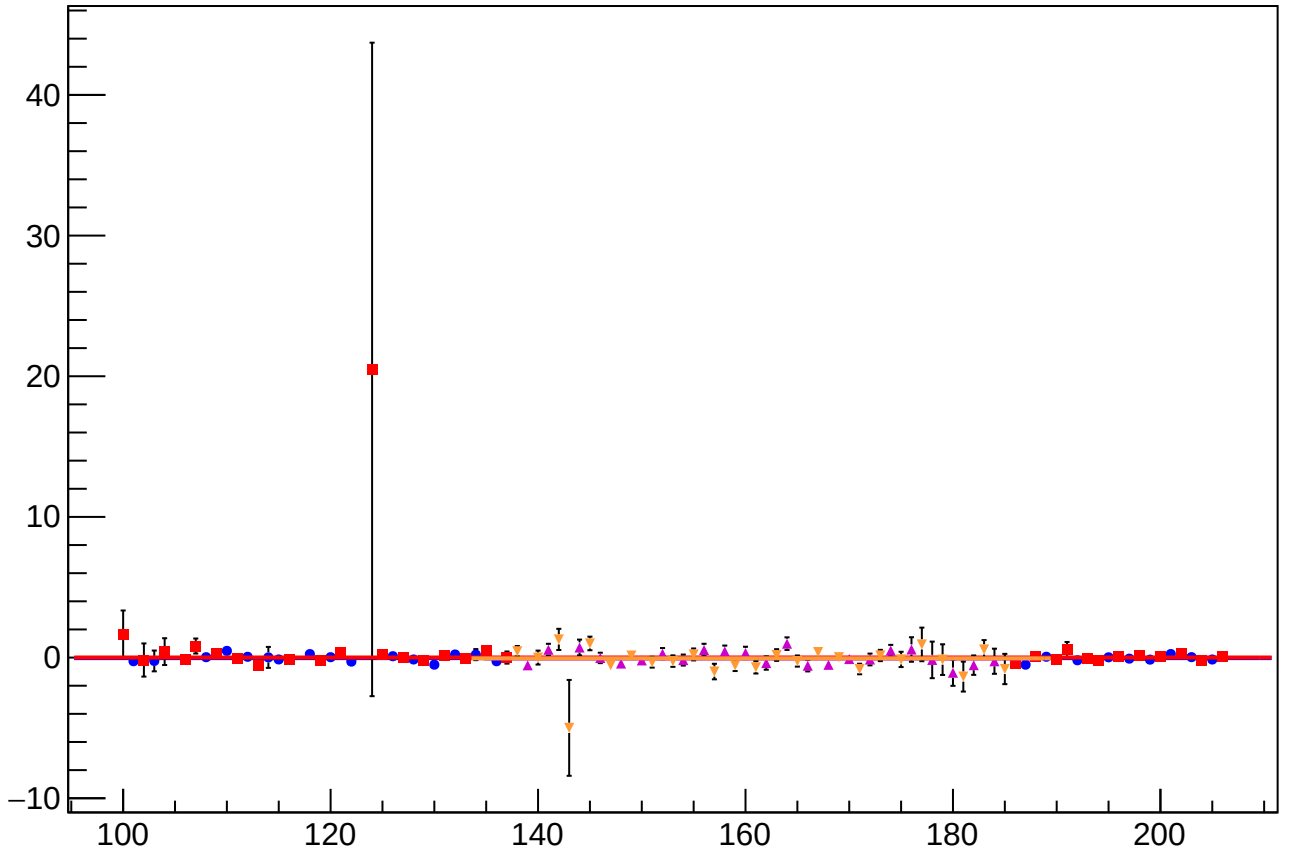
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15480516.5/55

In: 0.000+/-0.000 χ^2/NDF:10615543.5/47

Out: 0.000+/-0.000 χ^2/NDF:14796916.4/55

All: 0.000+/-0.000 χ^2/NDF: 26328201.2/103



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

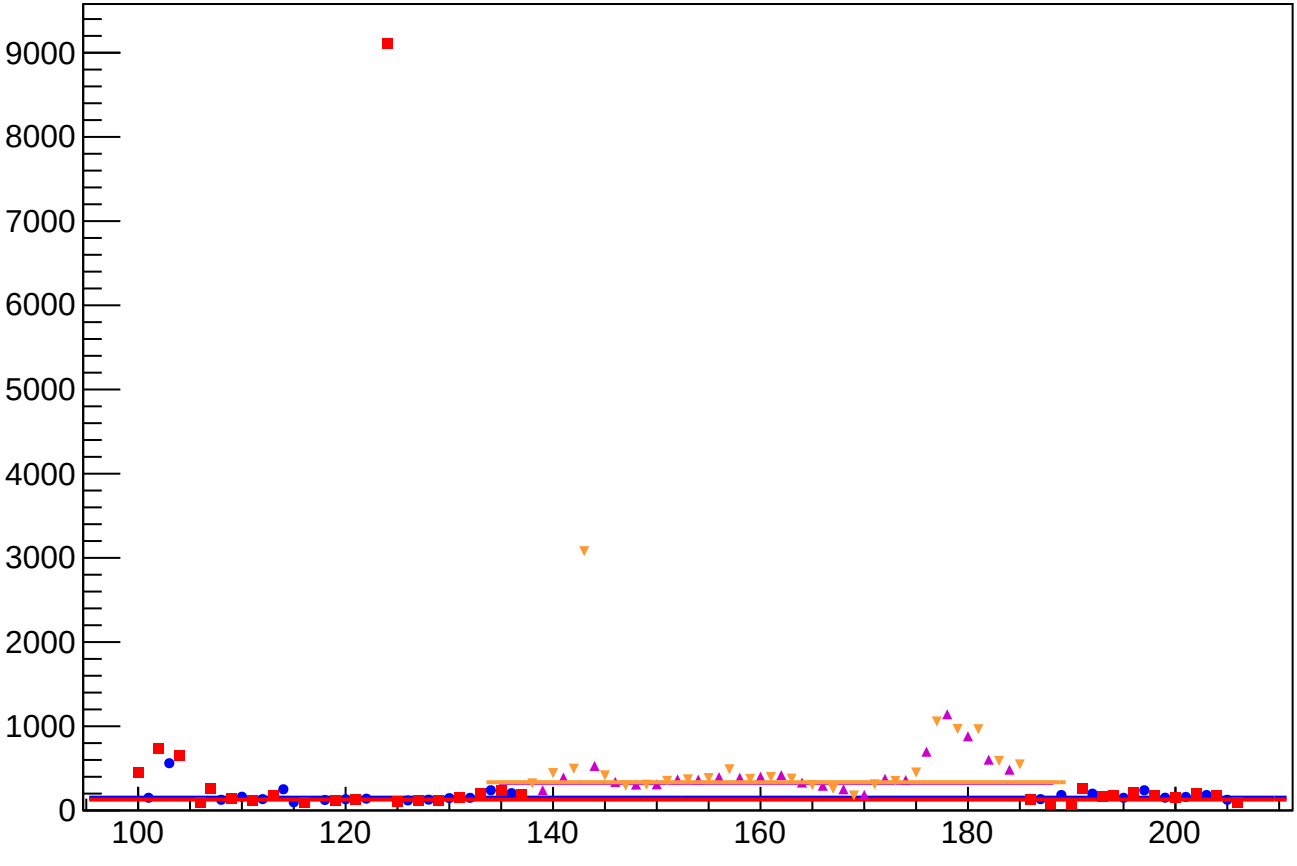
Right: -0.013+/-0.028 χ^2/NDF: 56.7/55

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.021+/-0.025 χ^2/NDF: 118.3/103

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

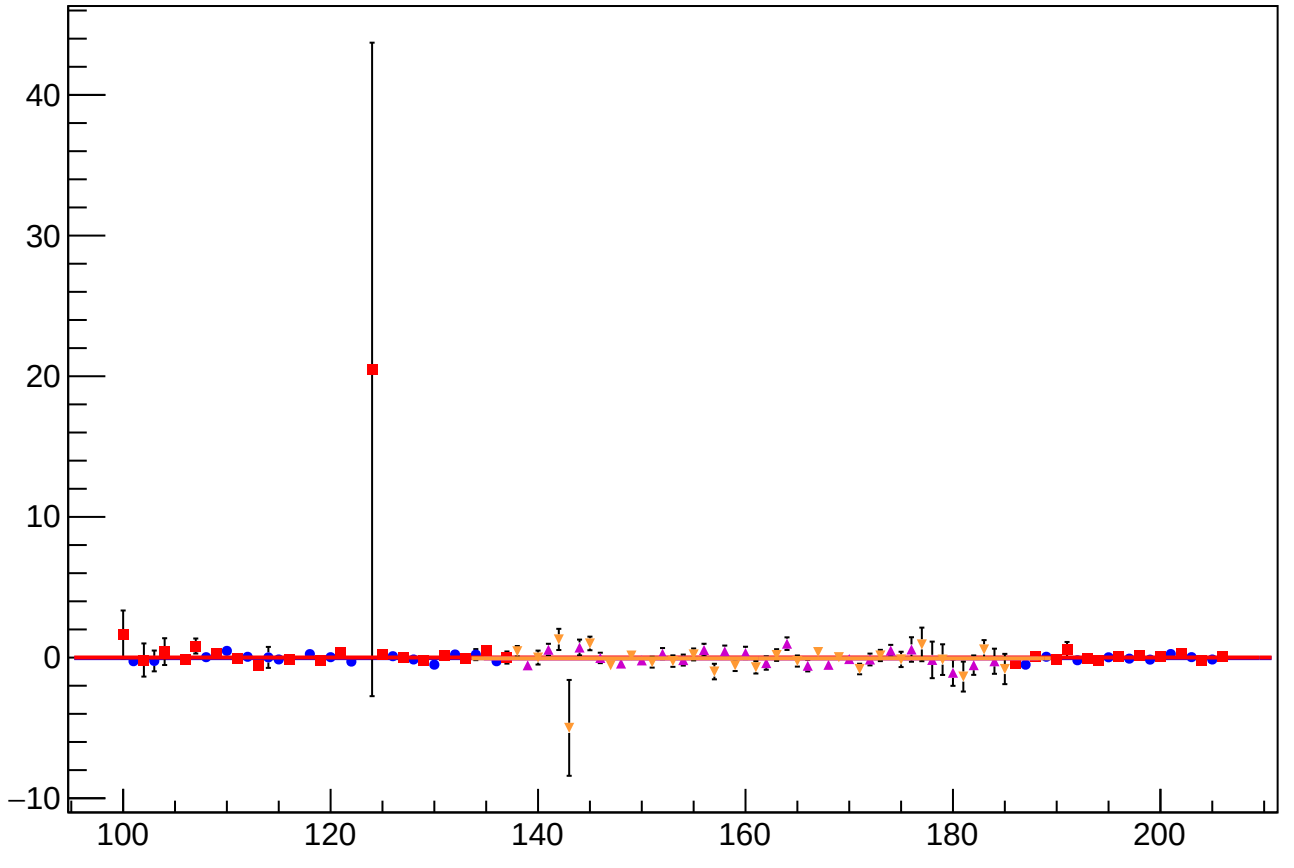
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.540+/-0.020 χ^2/NDF: 6120147.5/55

In: 190.147+/-0.027 χ^2/NDF:12799812.9/47

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 173.774+/-0.018 χ^2/NDF: 33484605.4/10



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

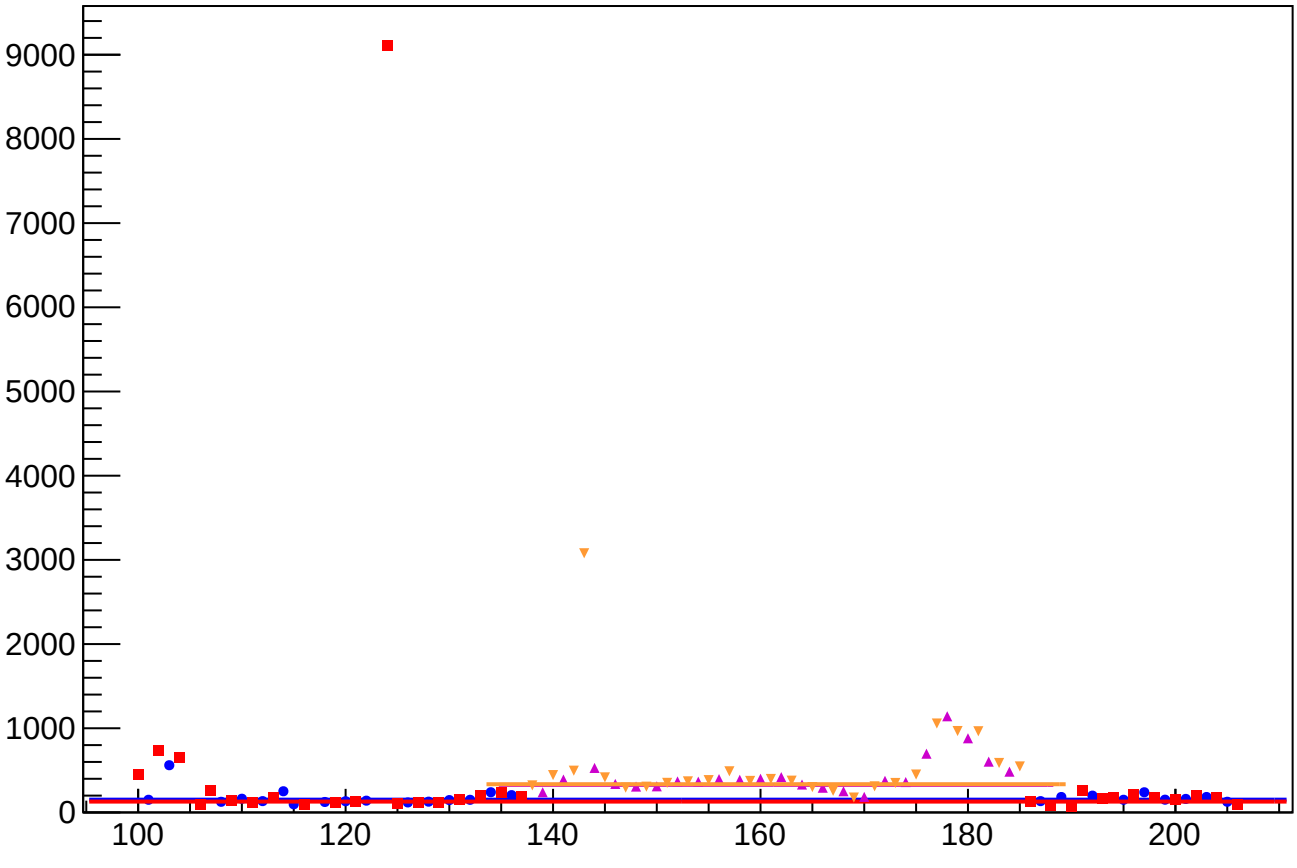
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.013+/-0.028 χ^2/NDF: 56.7/55

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.021+/-0.025 χ^2/NDF: 118.3/103



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

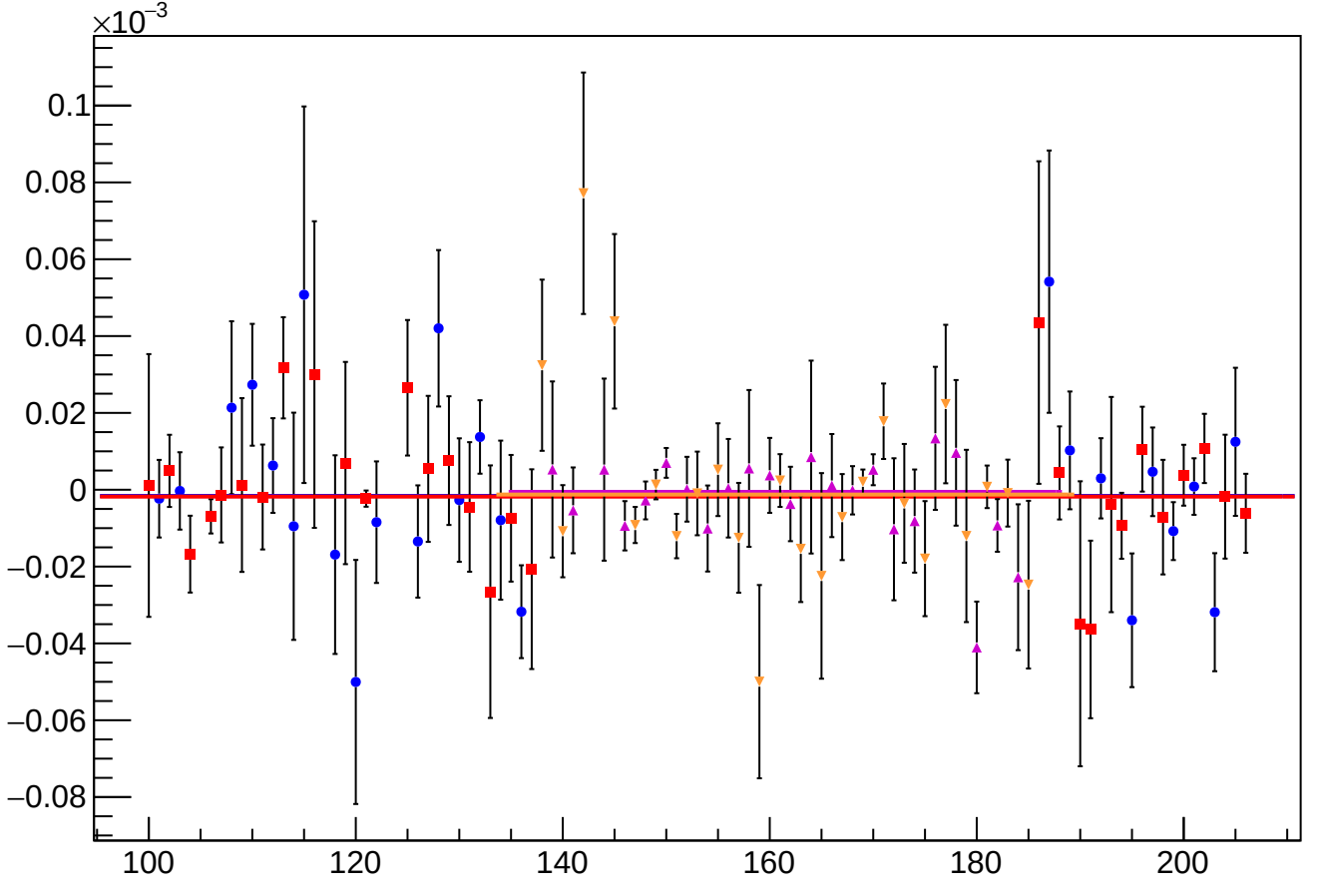
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.540+/-0.020 χ^2/NDF: 6120147.5/55

In: 190.147+/-0.027 χ^2/NDF:12799812.9/47

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 173.774+/-0.018 χ^2/NDF: 33484605.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/29

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

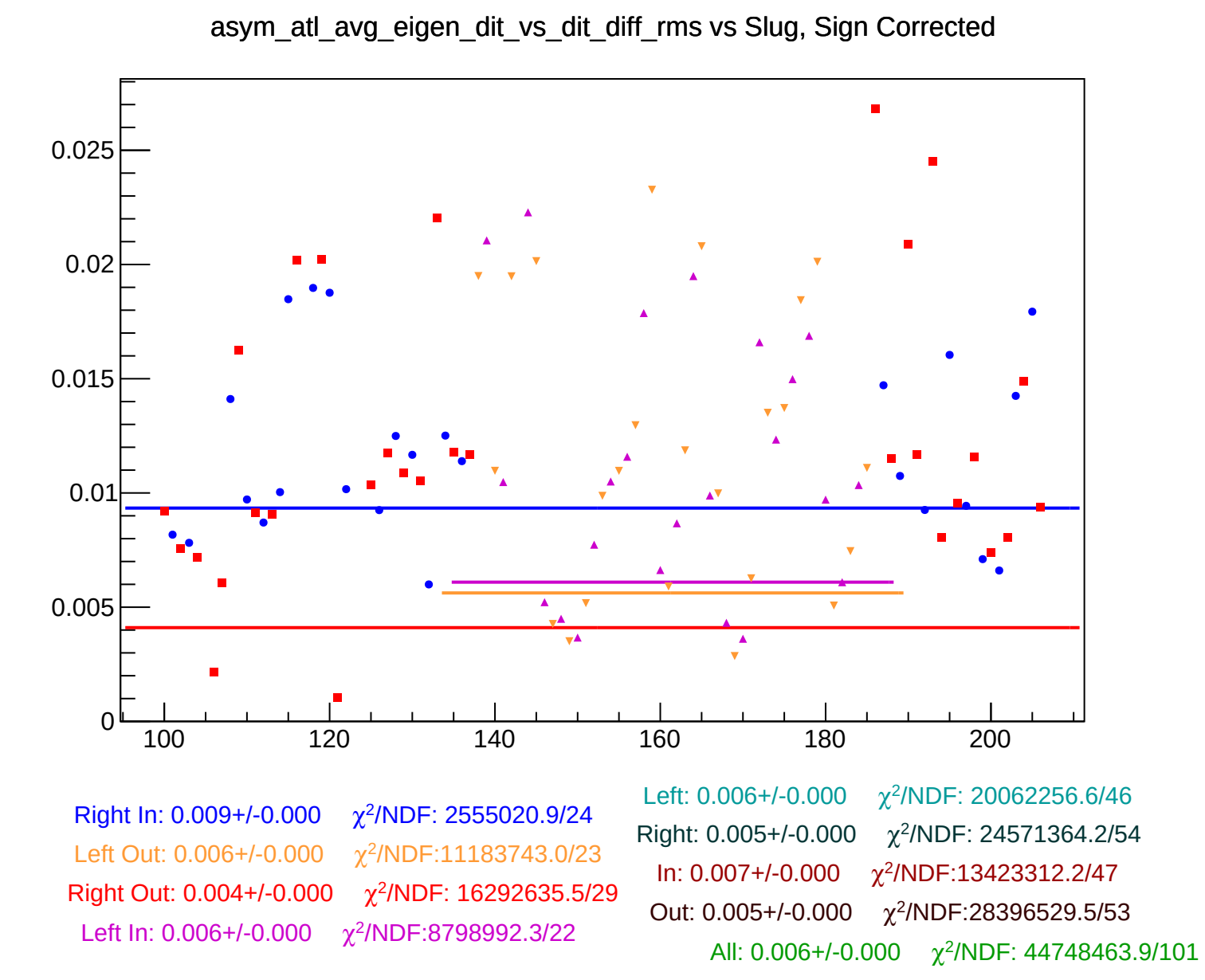
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 61.1/54

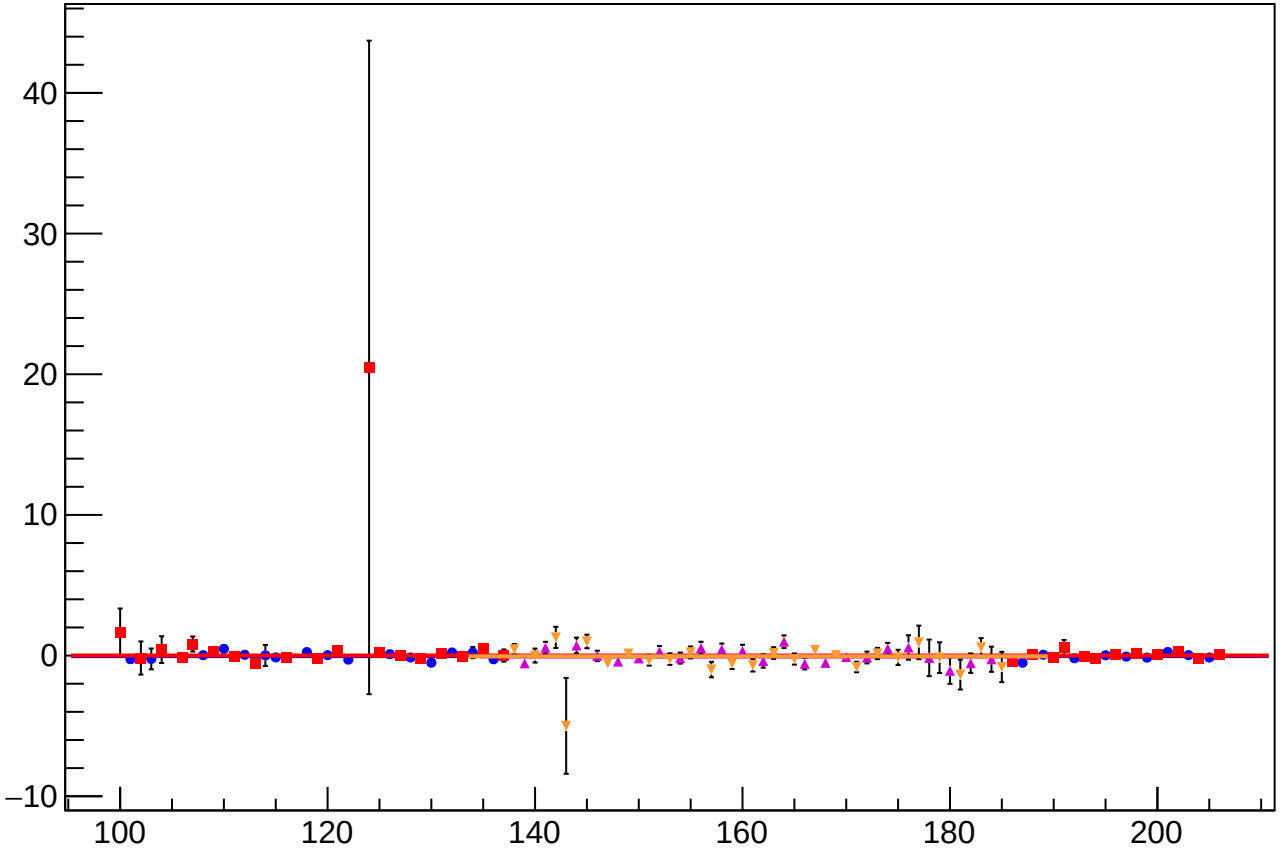
In: -0.000+/-0.000 χ^2/NDF:61.8/47

Out: -0.000+/-0.000 χ^2/NDF:60.7/53

All: -0.000+/-0.000 χ^2/NDF: 122.6/101


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2555020.9/24
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 16292635.5/29
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 20062256.6/46
Right: 0.005+/-0.000 χ²/NDF: 24571364.2/54
In: 0.007+/-0.000 χ²/NDF:13423312.2/47
Out: 0.005+/-0.000 χ²/NDF:28396529.5/53
All: 0.006+/-0.000 χ²/NDF: 44748463.9/101

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

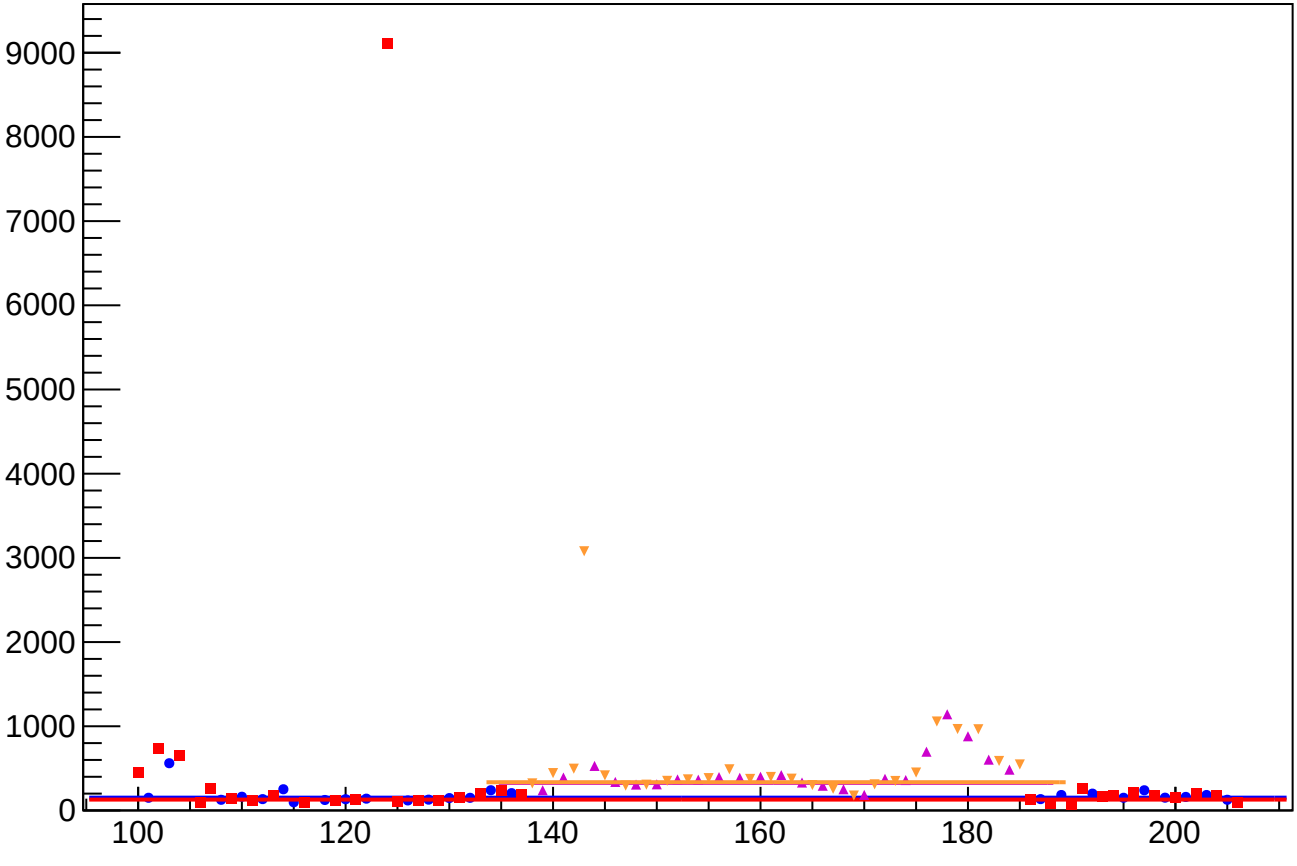
Right: -0.013+/-0.028 χ^2/NDF: 56.7/55

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.021+/-0.025 χ^2/NDF: 118.3/103

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

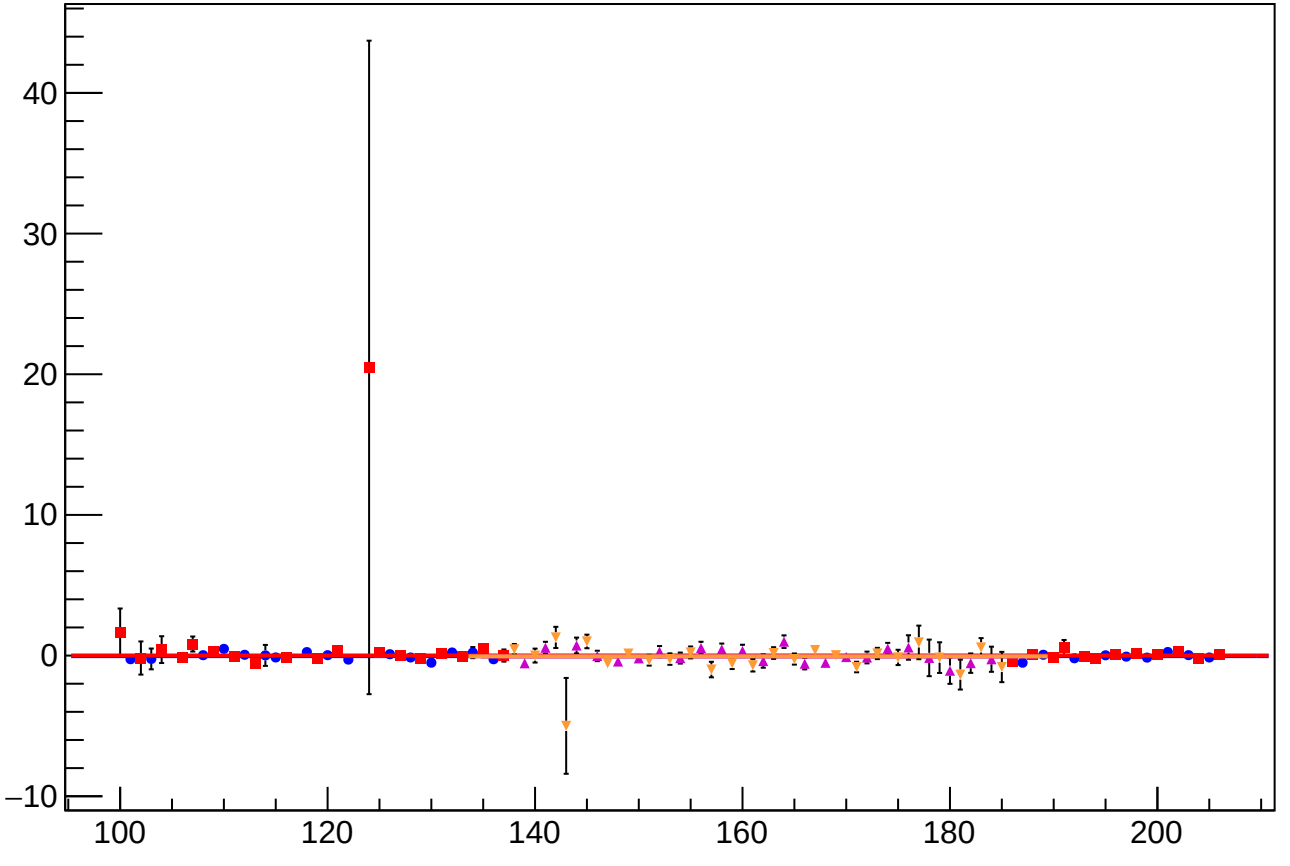
Right: 138.538+/-0.020 χ^2/NDF: 6120397.7/55

In: 190.146+/-0.027 χ^2/NDF:12800226.5/47

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 173.772+/-0.018 χ^2/NDF: 33485600.2/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

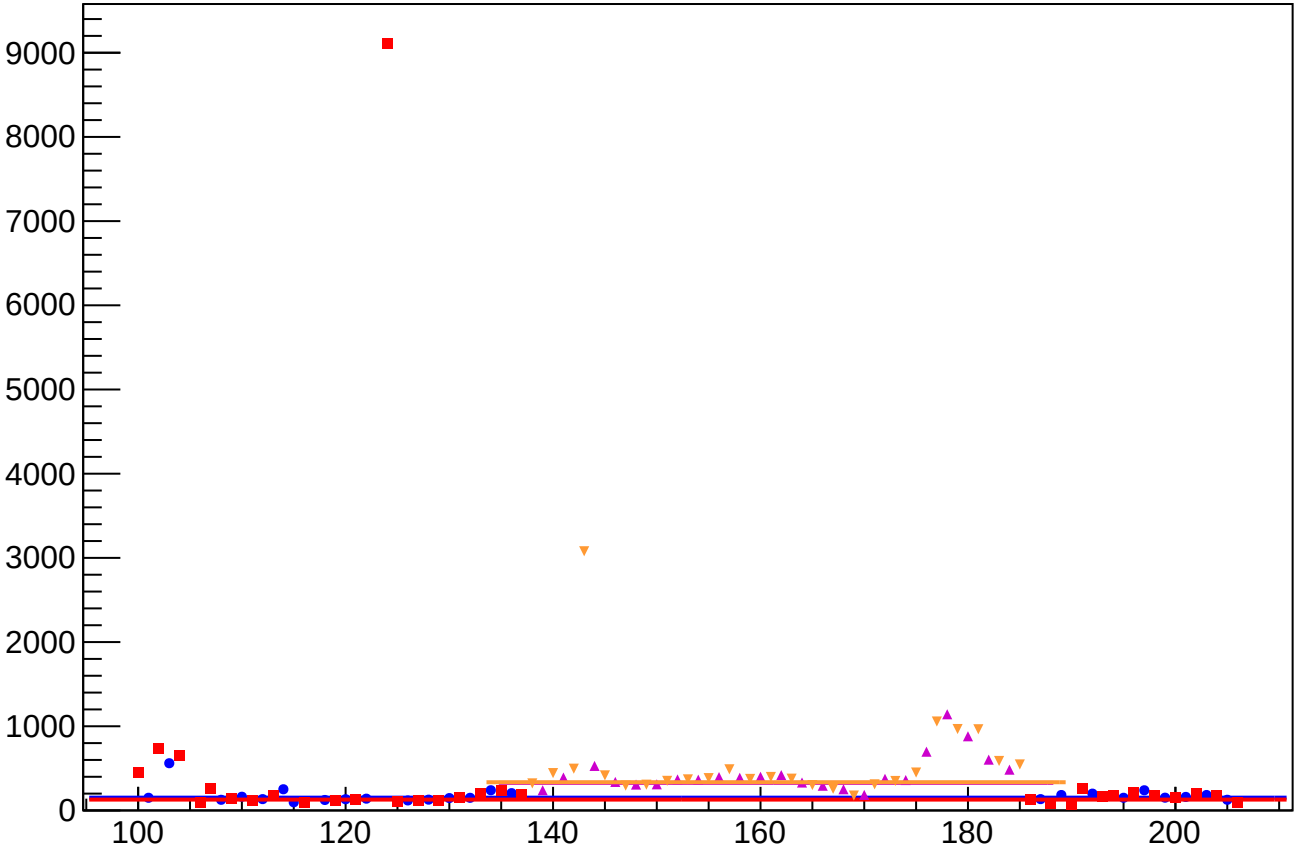
Right: -0.013+/-0.028 χ^2/NDF: 56.7/55

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.021+/-0.025 χ^2/NDF: 118.3/103

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

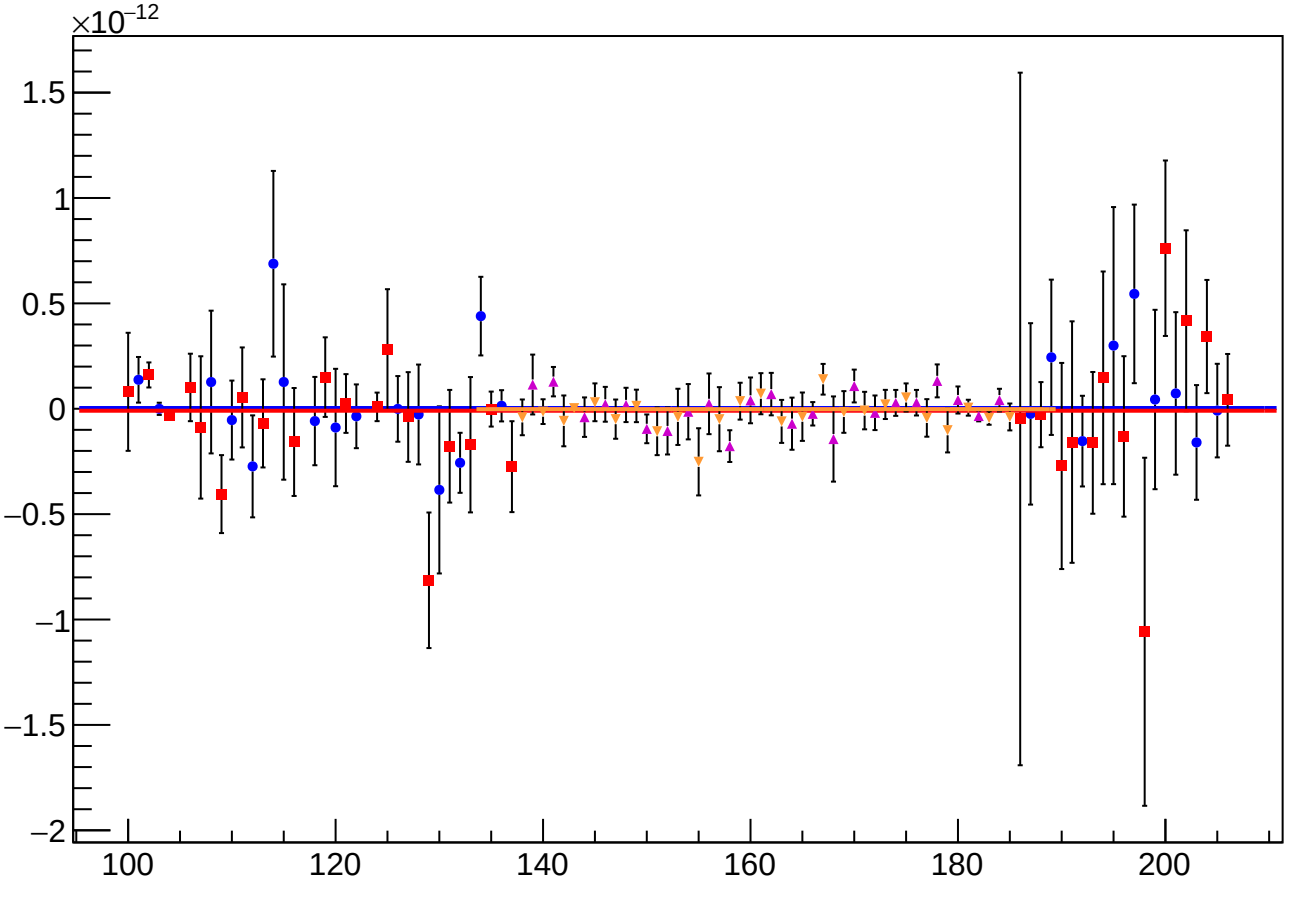
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.538+/-0.020 χ^2/NDF: 6120397.7/55

In: 190.146+/-0.027 χ^2/NDF:12800226.5/47

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 173.772+/-0.018 χ^2/NDF: 33485600.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/30

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

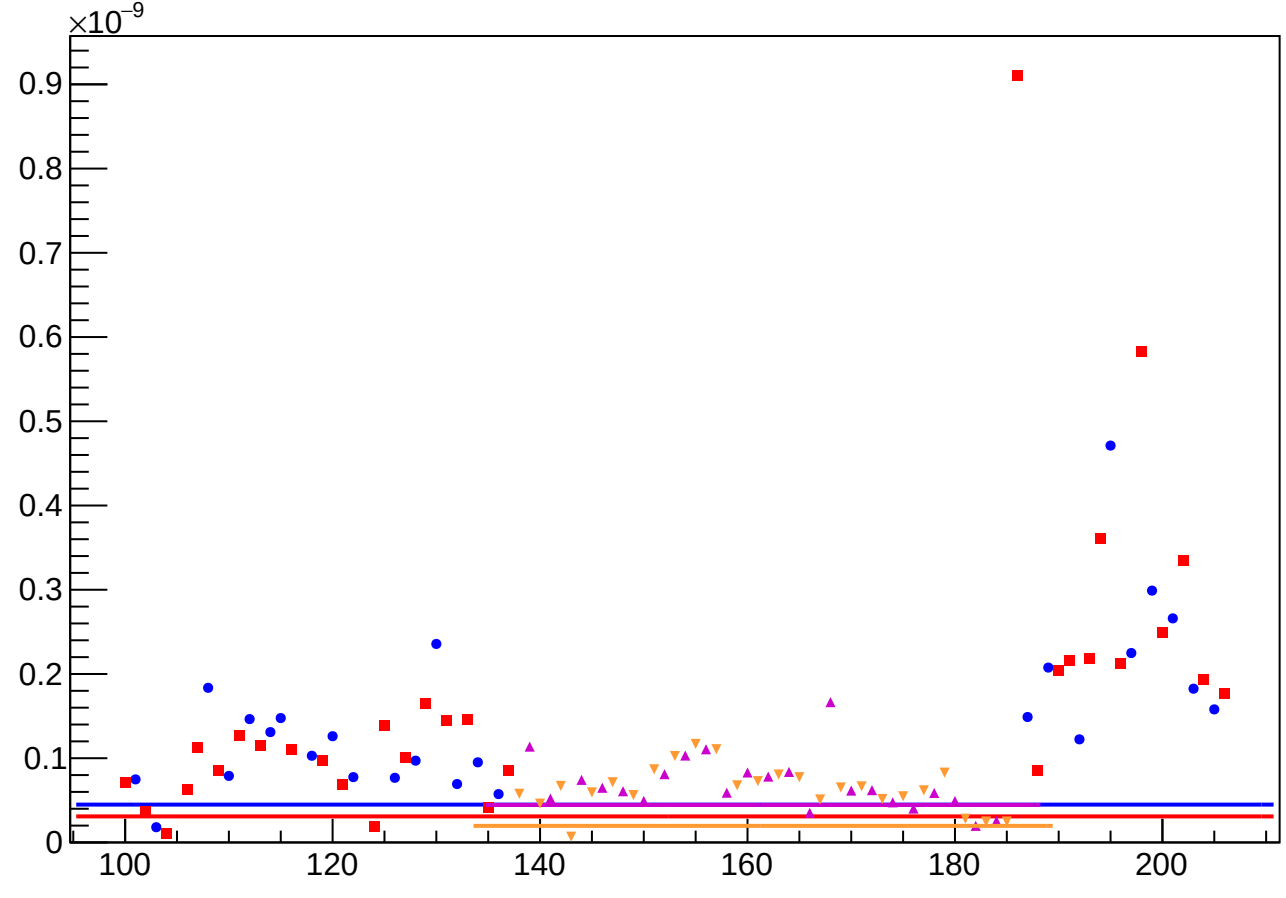
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.7/55

In: -0.000+/-0.000 χ^2/NDF:41.3/47

Out: -0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 88.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 8488847.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12191228.4/30

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

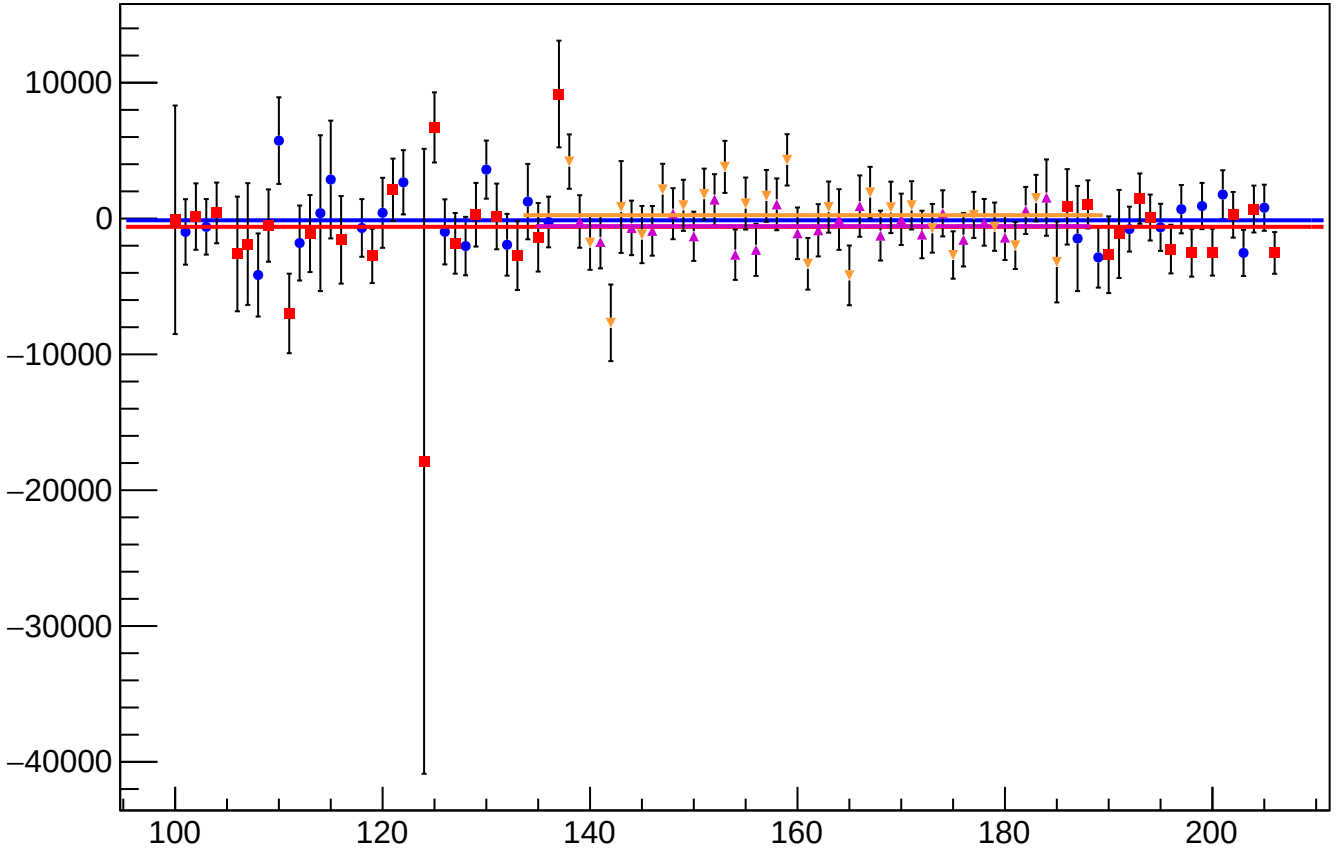
Right: 0.000+/-0.000 χ^2/NDF: 21127840.1/55

In: 0.000+/-0.000 χ^2/NDF:14409246.2/47

Out: 0.000+/-0.000 χ^2/NDF:27711421.2/55

All: 0.000+/-0.000 χ^2/NDF: 47293101.5/103

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -129.234+/-437.133 χ^2/NDF: 18.3/24

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -610.329+/-412.154 χ^2/NDF: 32.9/30

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

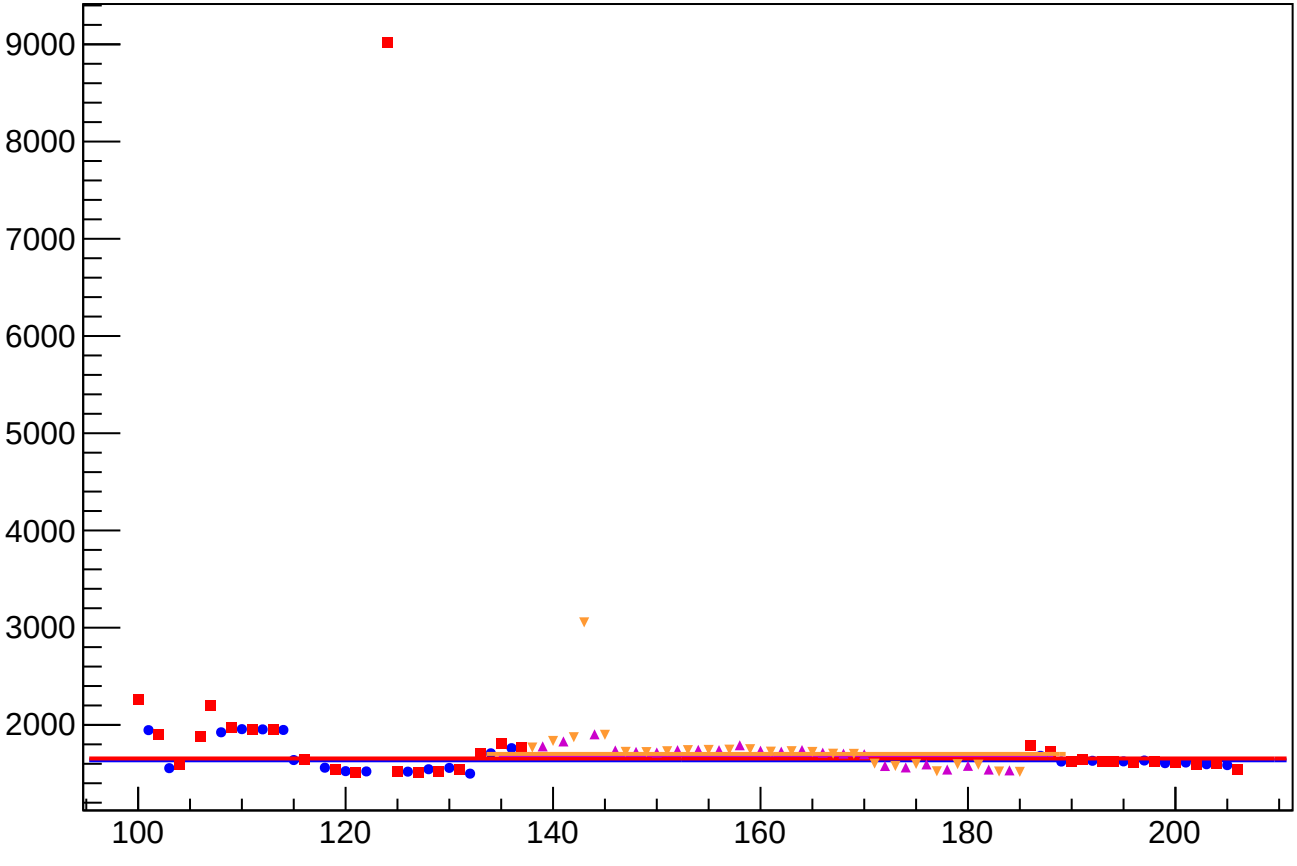
Right: -383.919+/-299.879 χ^2/NDF: 51.9/55

In: -366.309+/-293.119 χ^2/NDF:26.4/47

Out: -156.065+/-282.829 χ^2/NDF:74.8/55

All: -257.432+/-203.531 χ^2/NDF: 101.5/103

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1654.755+/-0.291 χ^2/NDF: 421663.0/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

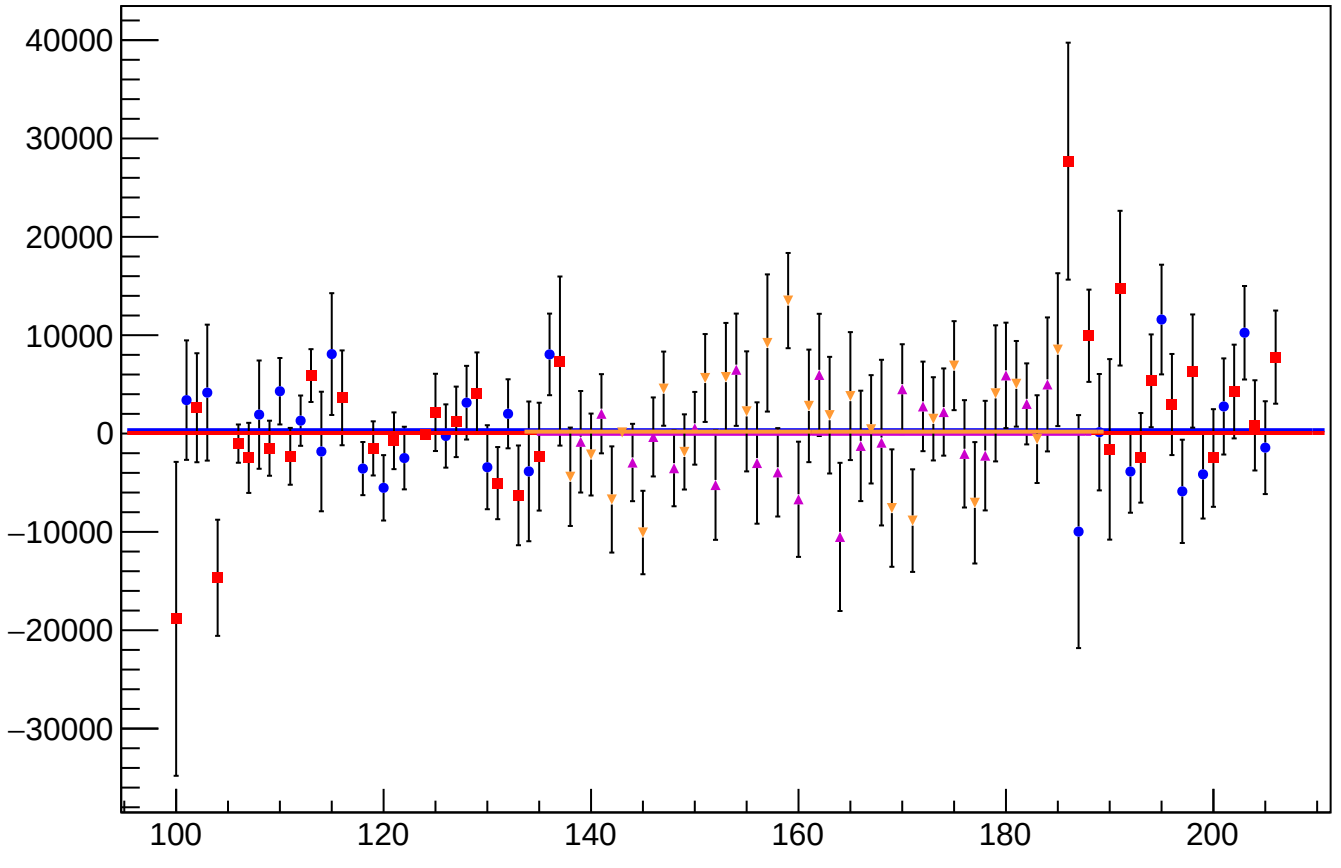
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1646.001+/-0.212 χ^2/NDF: 574118.8/55

In: 1665.363+/-0.207 χ^2/NDF:289113.9/47

Out: 1679.486+/-0.200 χ^2/NDF:887730.4/55

All: 1672.683+/-0.144 χ^2/NDF: 1179250.6/10



Right In: 340.367+/-837.951 χ^2/NDF: 28.2/24

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 56.438+/-316.846 χ^2/NDF: 41.2/30

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

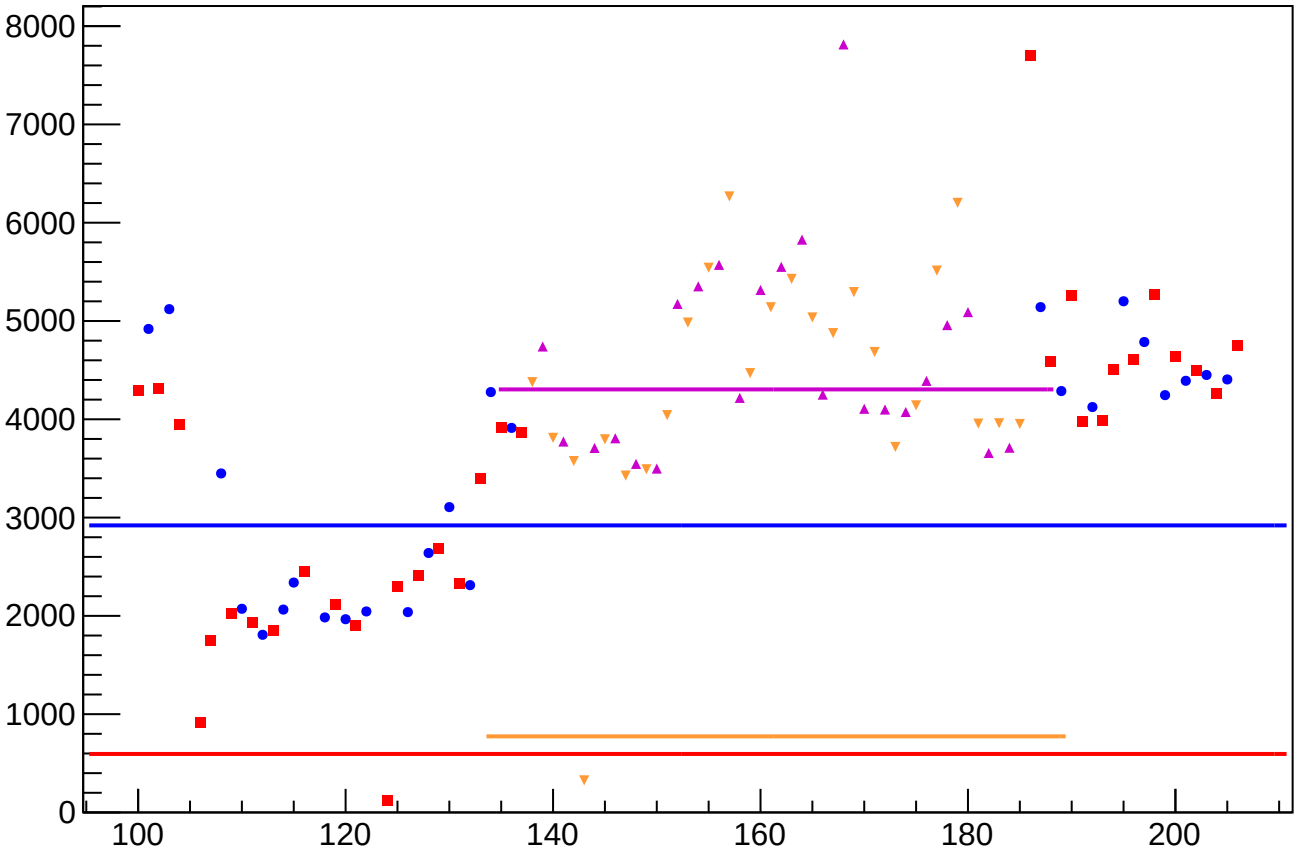
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 91.955+/-296.367 χ^2/NDF: 69.5/55

In: 192.592+/-648.873 χ^2/NDF:41.6/47

Out: 119.520+/-232.782 χ^2/NDF:75.2/55

All: 127.852+/-219.109 χ^2/NDF: 116.8/103



Right In: 2920.397+/-0.593 χ^2/NDF: 3658107.2/24

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 595.145+/-0.224 χ^2/NDF: 25194610.8/30

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

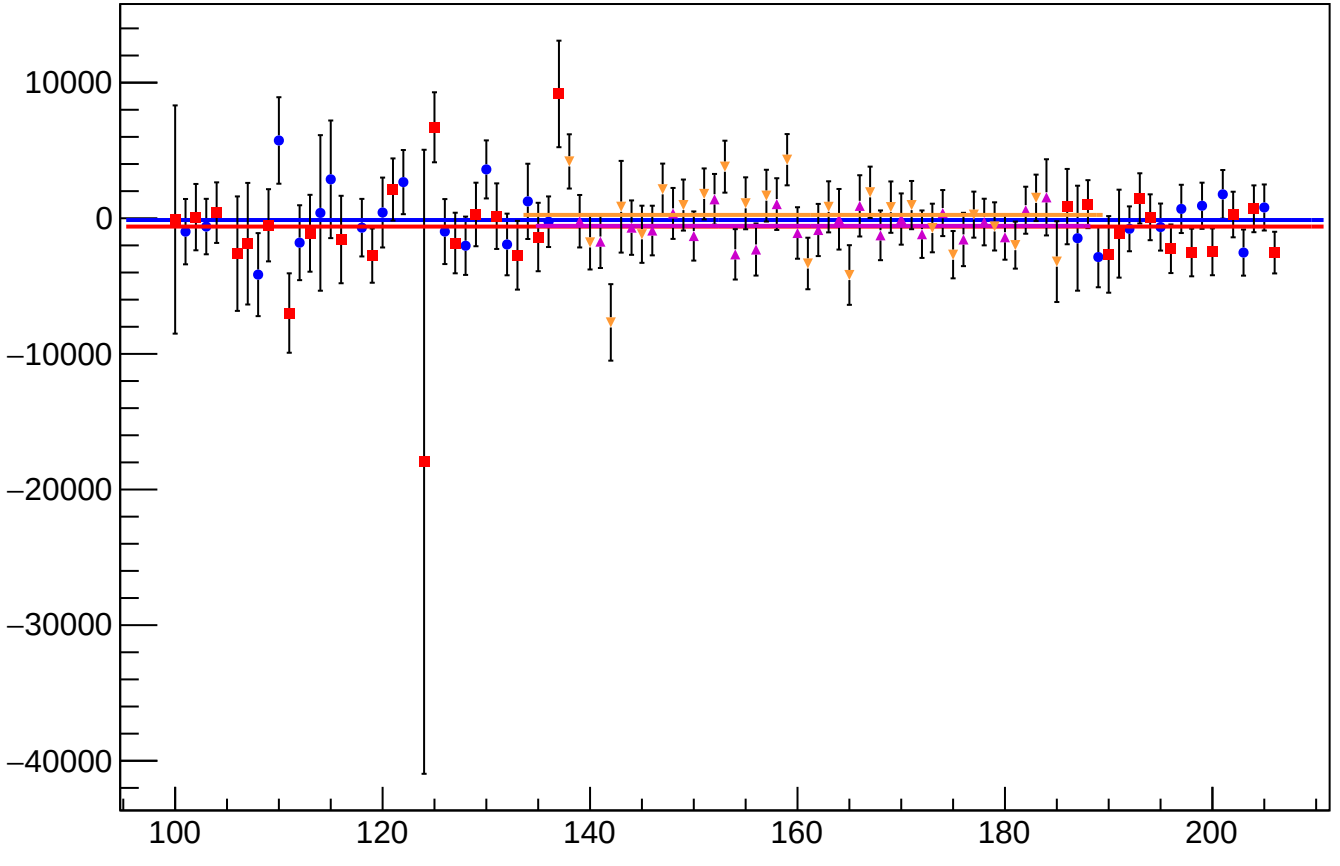
Right: 886.011+/-0.210 χ^2/NDF: 42326696.6/55

In: 3474.356+/-0.459 χ^2/NDF:7057836.8/47

Out: 677.567+/-0.165 χ^2/NDF:53574260.6/55

All: 996.473+/-0.155 χ^2/NDF: 93551439.2/10

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -612.135+/-412.156 χ^2/NDF: 32.9/30

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

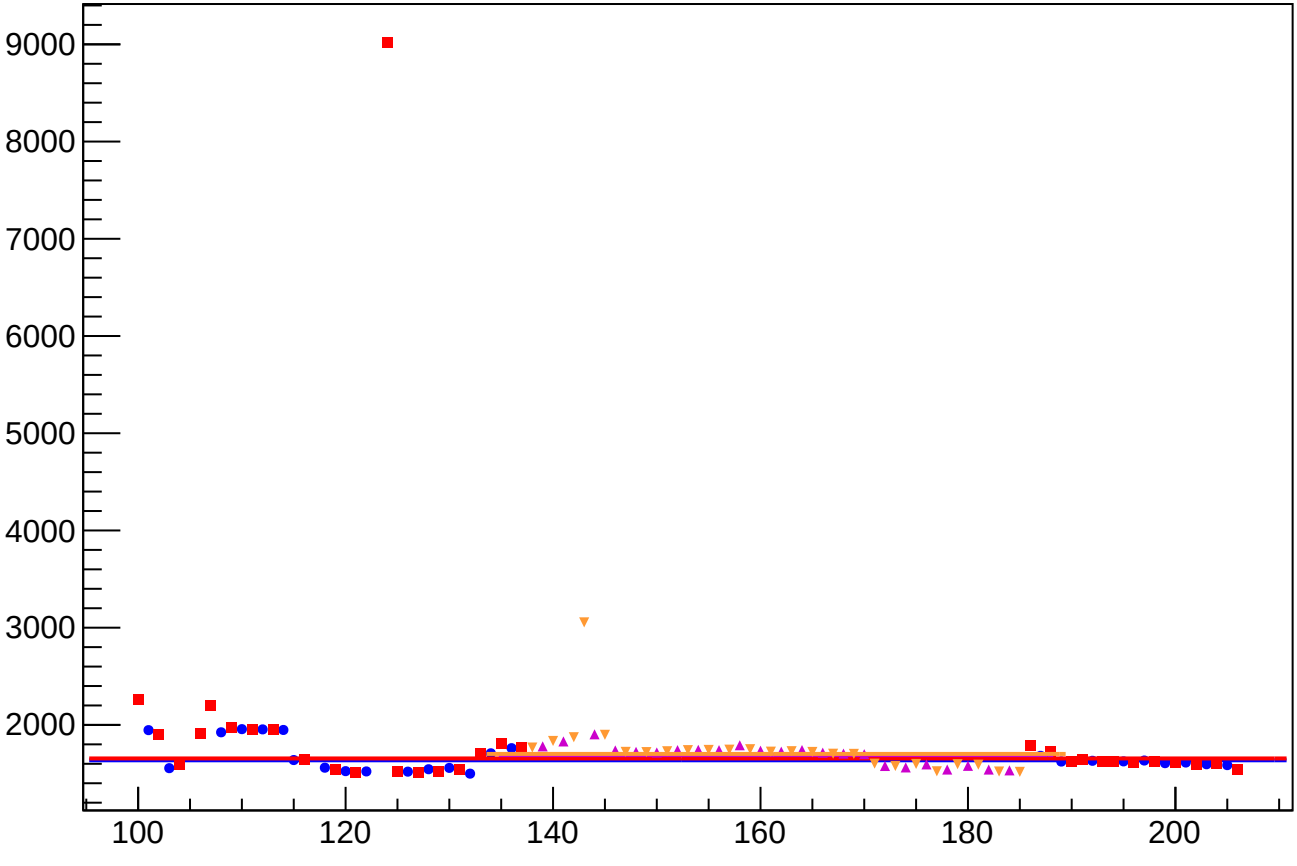
Right: -384.842+/-299.879 χ^2/NDF: 51.9/55

In: -366.259+/-293.119 χ^2/NDF:26.4/47

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -257.852+/-203.531 χ^2/NDF: 101.5/103

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

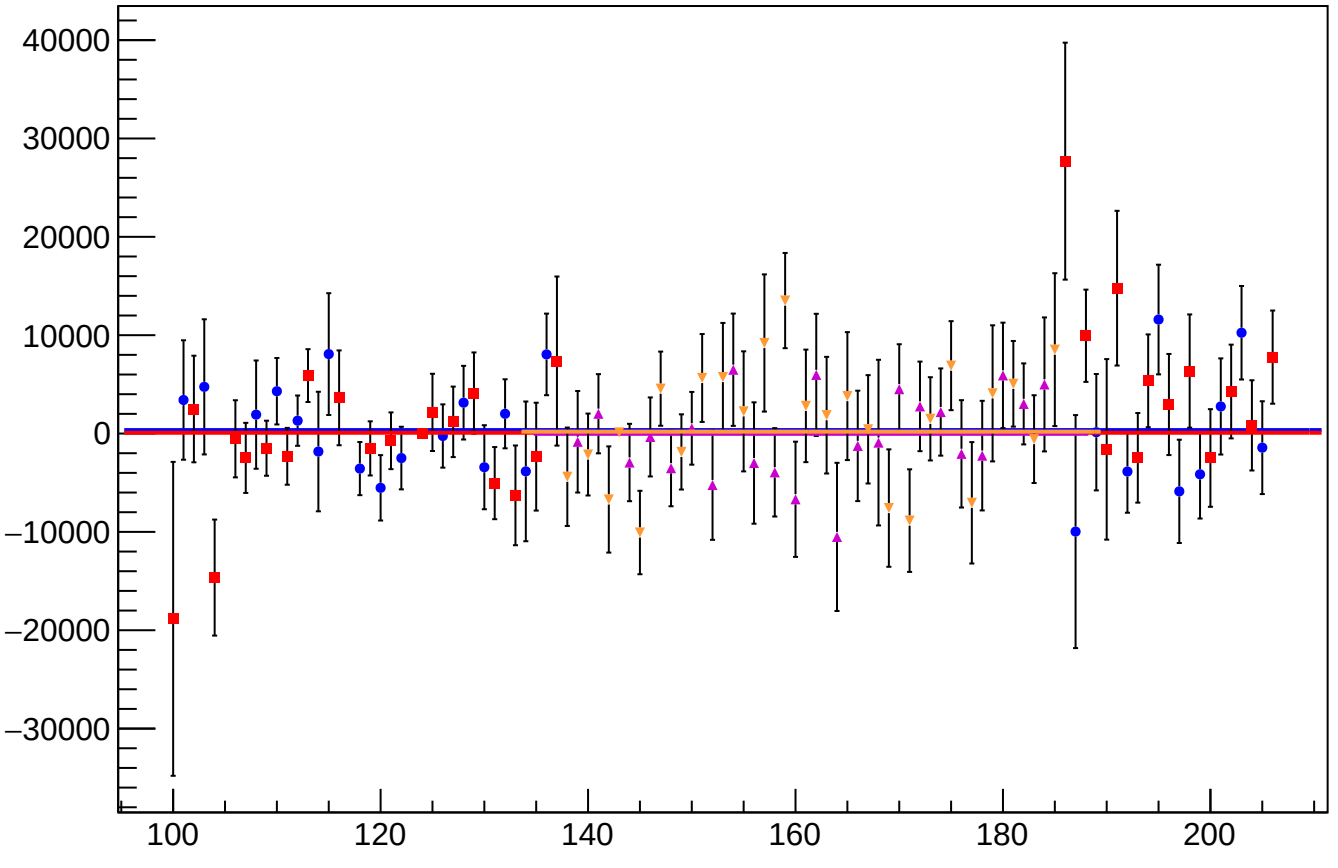
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1646.169+/-0.212 χ^2/NDF: 576263.3/55

In: 1665.363+/-0.207 χ^2/NDF:289114.0/47

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1672.763+/-0.144 χ^2/NDF: 1181192.2/10



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 79.962+/-309.373 χ^2/NDF: 40.9/30

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

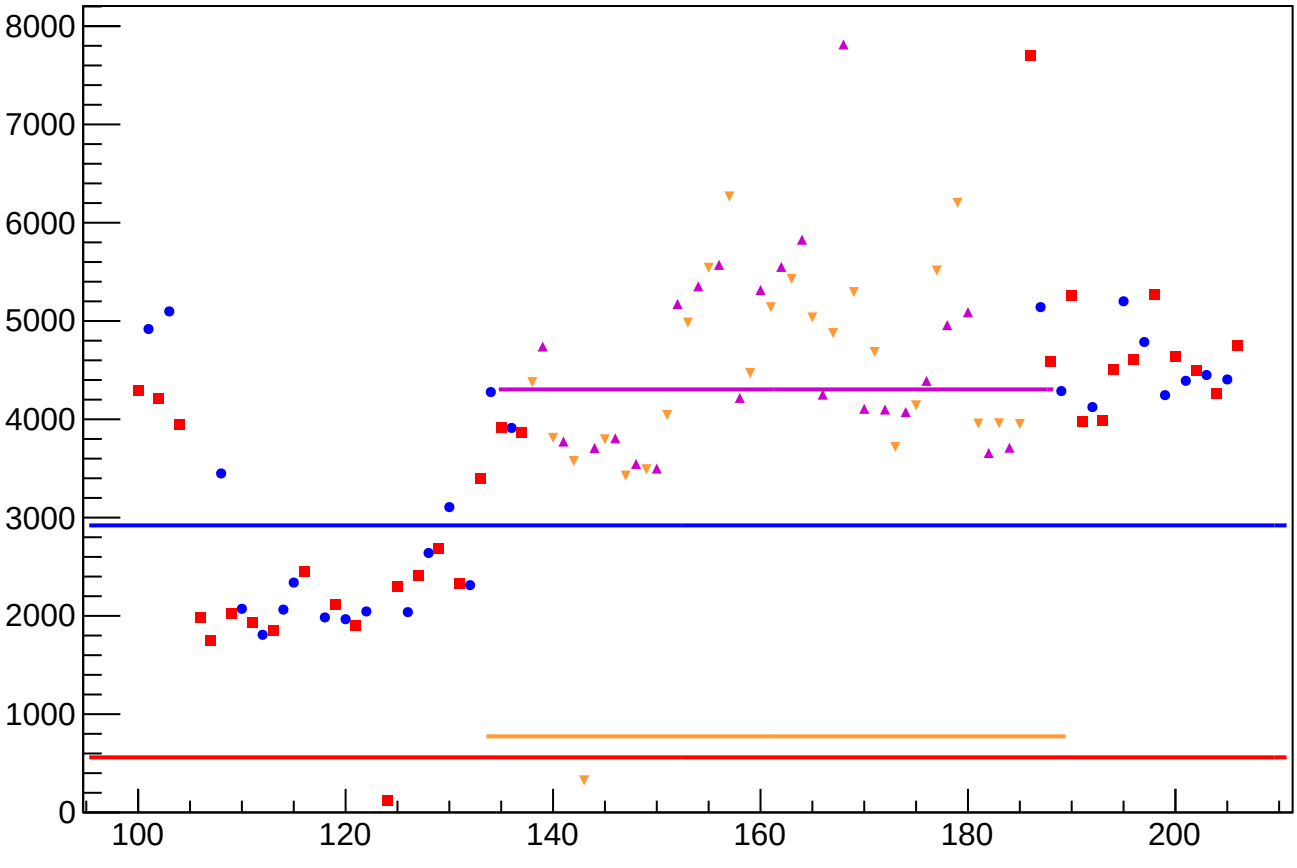
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 112.356+/-290.221 χ^2/NDF: 69.3/55

In: 198.345+/-648.836 χ^2/NDF:41.7/47

Out: 131.063+/-229.763 χ^2/NDF:74.8/55

All: 138.560+/-216.584 χ^2/NDF: 116.5/103



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

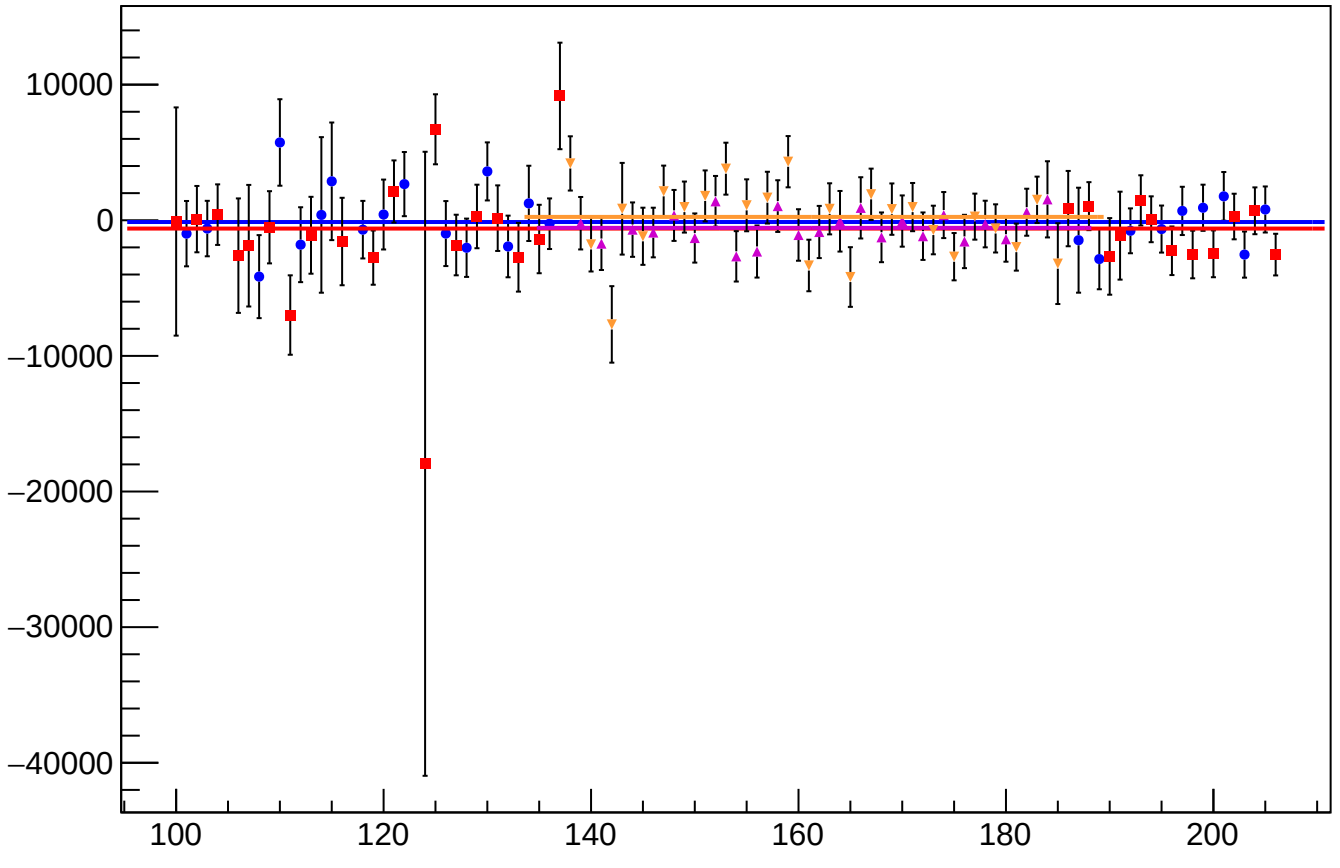
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 843.617+/-0.205 χ^2/NDF: 43371513.8/55

In: 3474.313+/-0.459 χ^2/NDF:7055956.4/47

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 970.290+/-0.153 χ^2/NDF: 94845622.4/10



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -612.135+/-412.156 χ^2/NDF: 32.9/30

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

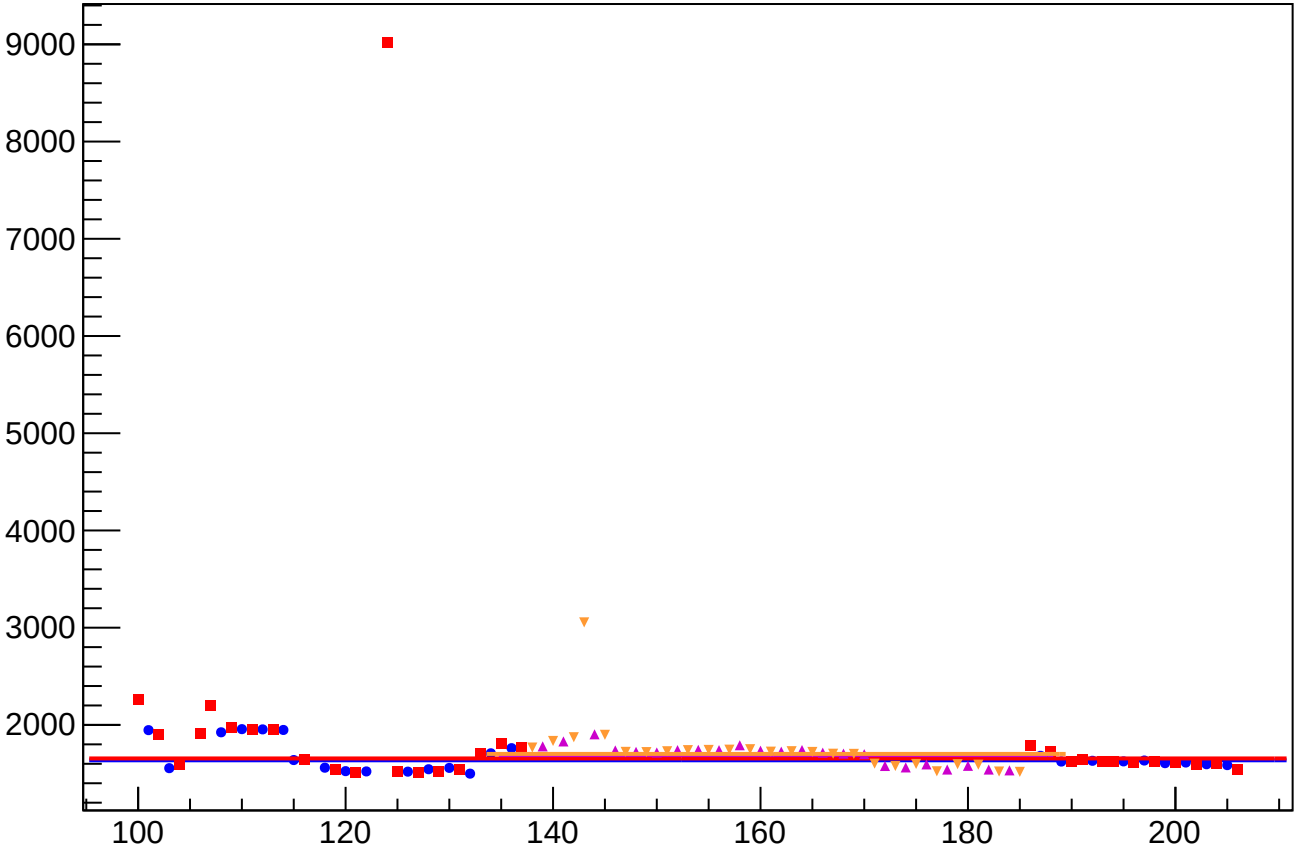
Right: -384.842+/-299.879 χ^2/NDF: 51.9/55

In: -366.259+/-293.119 χ^2/NDF:26.4/47

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -257.852+/-203.531 χ^2/NDF: 101.5/103

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

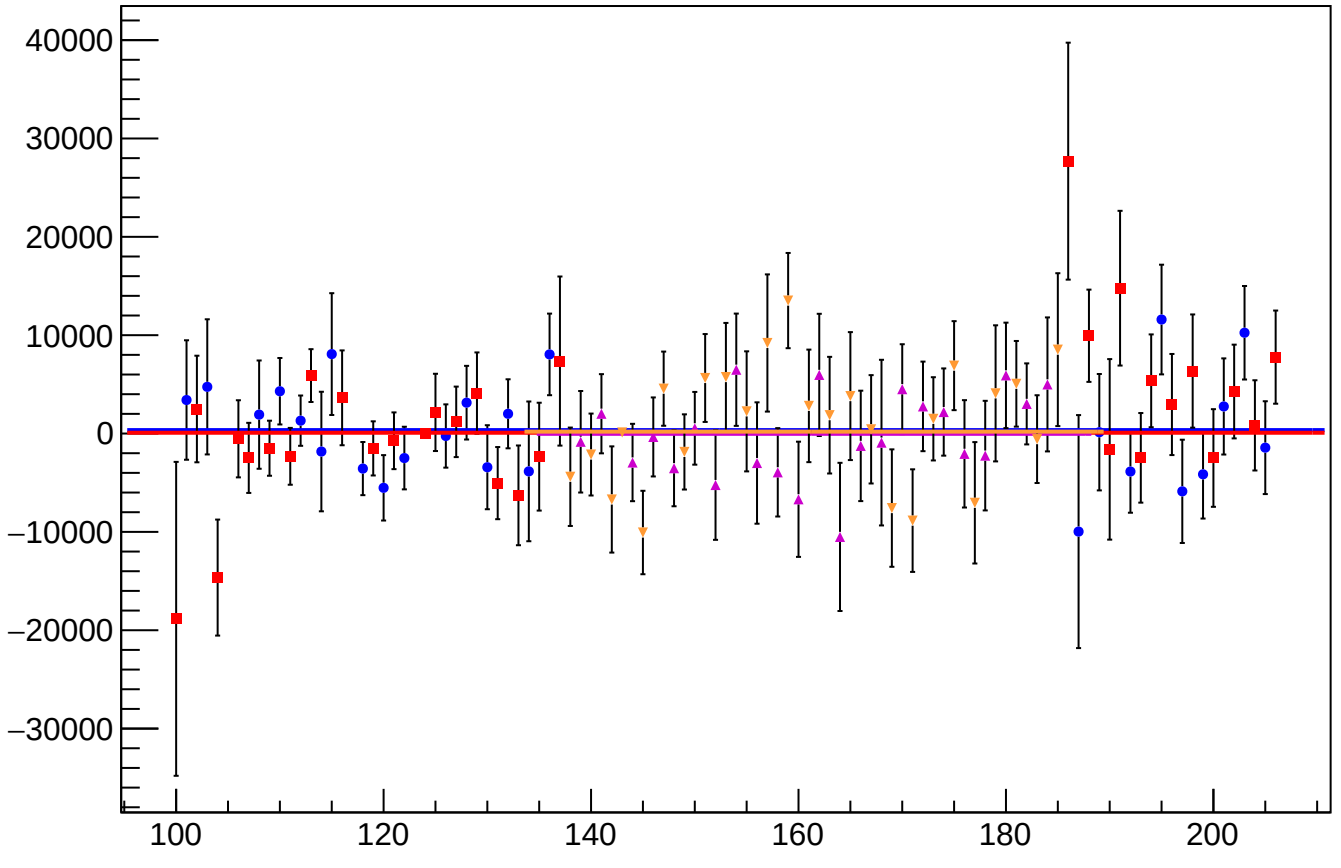
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1646.169+/-0.212 χ^2/NDF: 576263.3/55

In: 1665.363+/-0.207 χ^2/NDF:289114.0/47

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1672.763+/-0.144 χ^2/NDF: 1181192.2/10



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 79.962+/-309.373 χ^2/NDF: 40.9/30

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

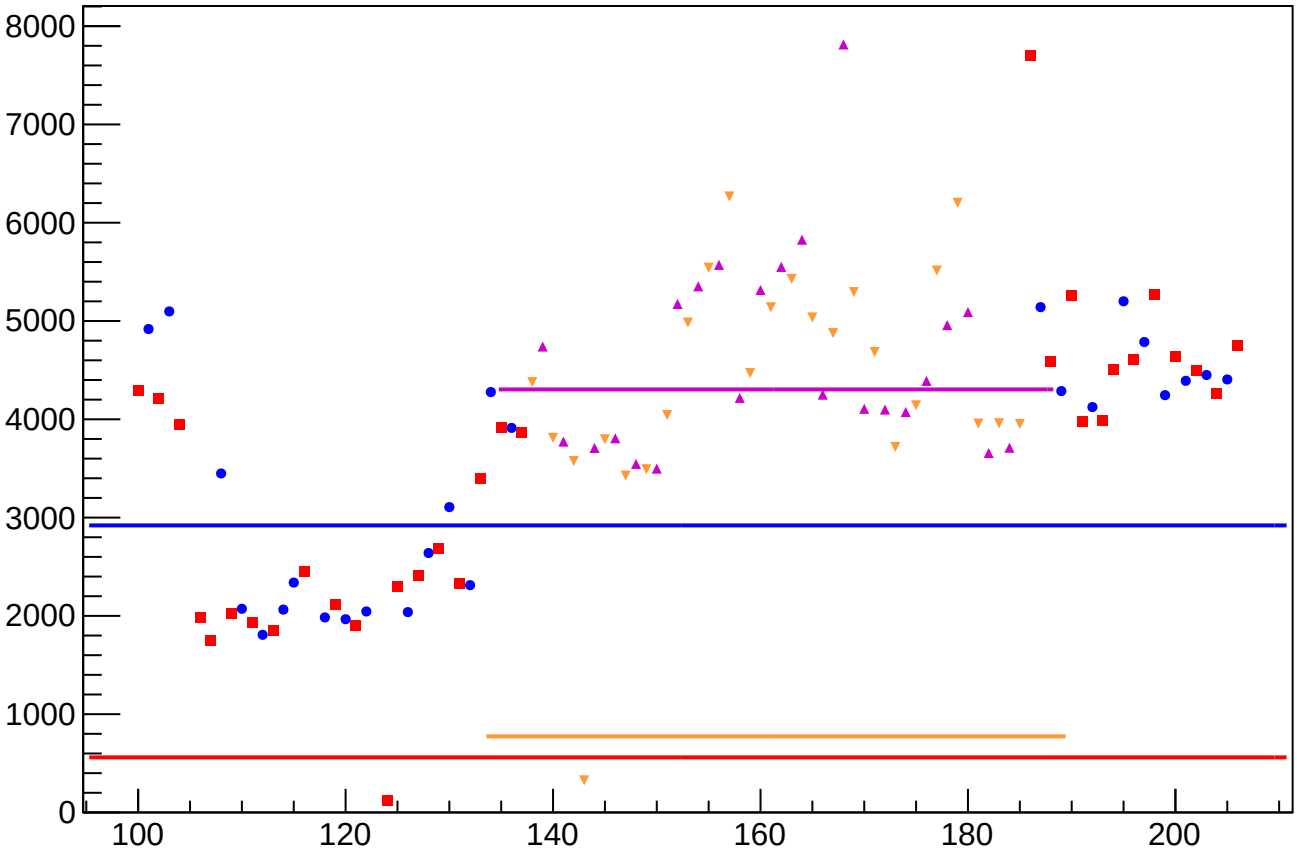
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 112.356+/-290.221 χ^2/NDF: 69.3/55

In: 198.345+/-648.836 χ^2/NDF:41.7/47

Out: 131.063+/-229.763 χ^2/NDF:74.8/55

All: 138.560+/-216.584 χ^2/NDF: 116.5/103



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

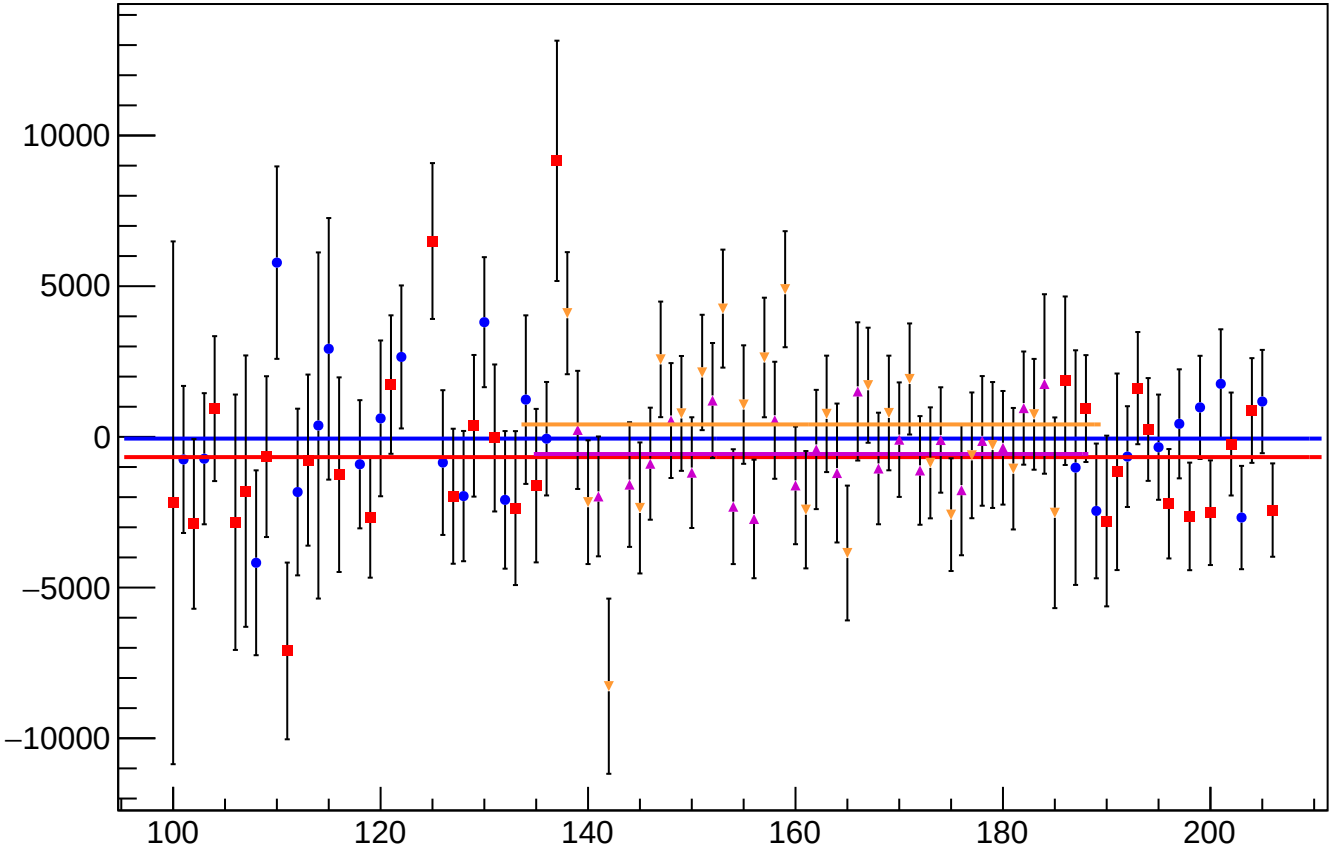
Right: 843.617+/-0.205 χ^2/NDF: 43371513.8/55

In: 3474.313+/-0.459 χ^2/NDF:7055956.4/47

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 970.290+/-0.153 χ^2/NDF: 94845622.4/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -56.565+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -671.149+/-417.440 χ^2/NDF: 32.5/29

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

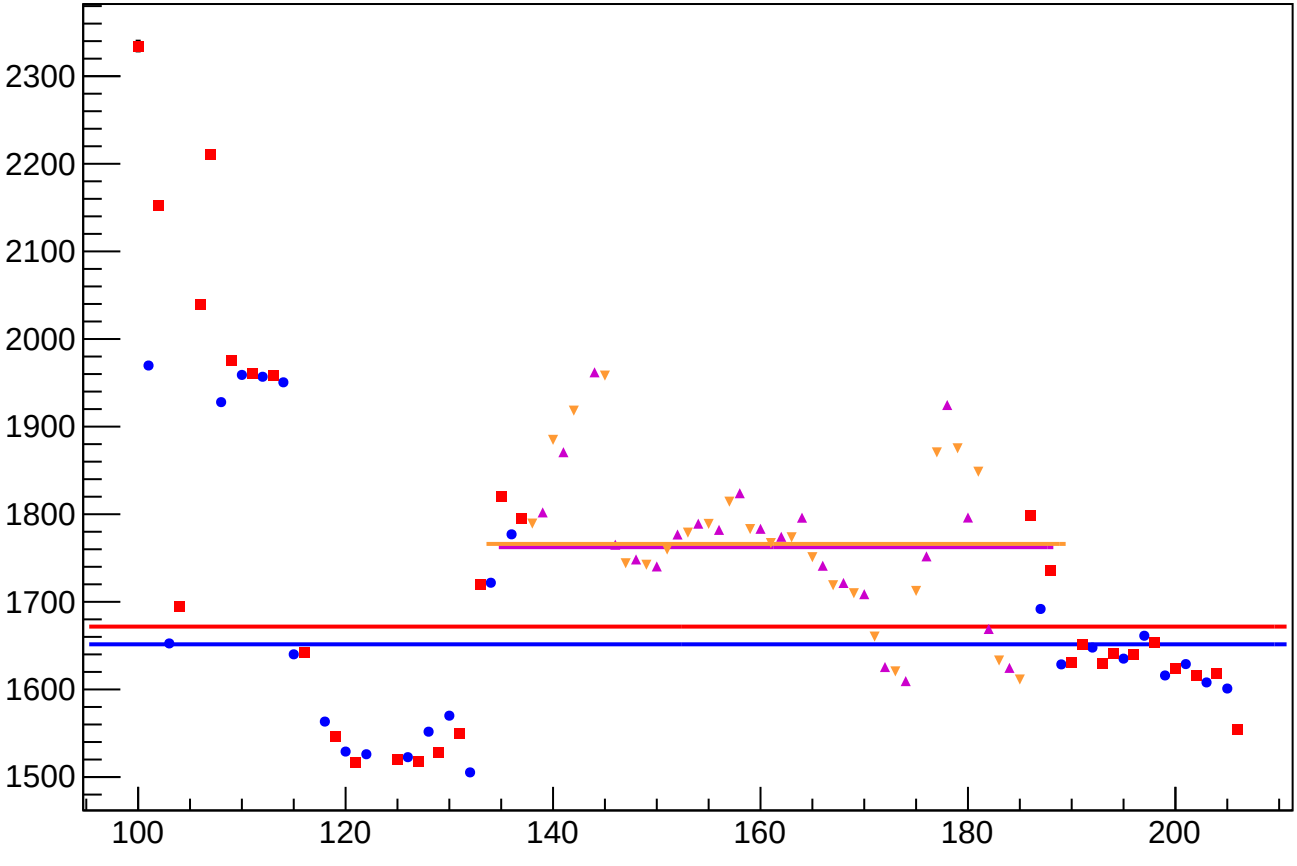
Right: -380.902+/-303.250 χ^2/NDF: 52.1/54

In: -330.215+/-301.166 χ^2/NDF:27.0/47

Out: -119.878+/-292.703 χ^2/NDF:76.0/53

All: -222.050+/-209.900 χ^2/NDF: 103.2/101

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1671.736+/-0.295 χ^2/NDF: 264663.3/29

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

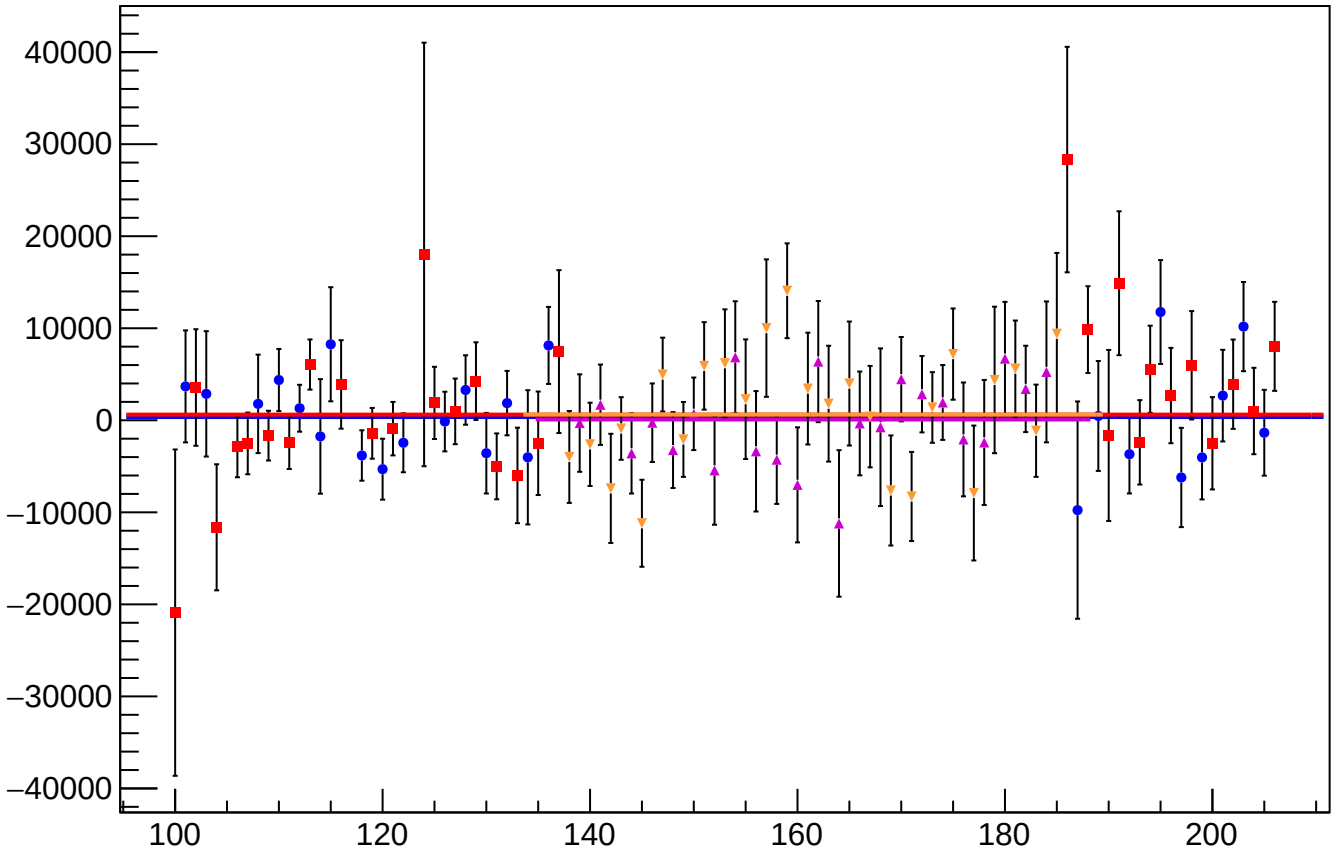
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1662.198+/-0.214 χ^2/NDF: 415136.0/54

In: 1710.755+/-0.213 χ^2/NDF:295811.5/47

Out: 1719.667+/-0.207 χ^2/NDF:399935.8/53

All: 1715.340+/-0.148 χ^2/NDF: 696648.3/101



Right In: 355.536+/-842.895 χ^2/NDF: 27.9/24

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 615.261+/-769.684 χ^2/NDF: 38.5/30

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

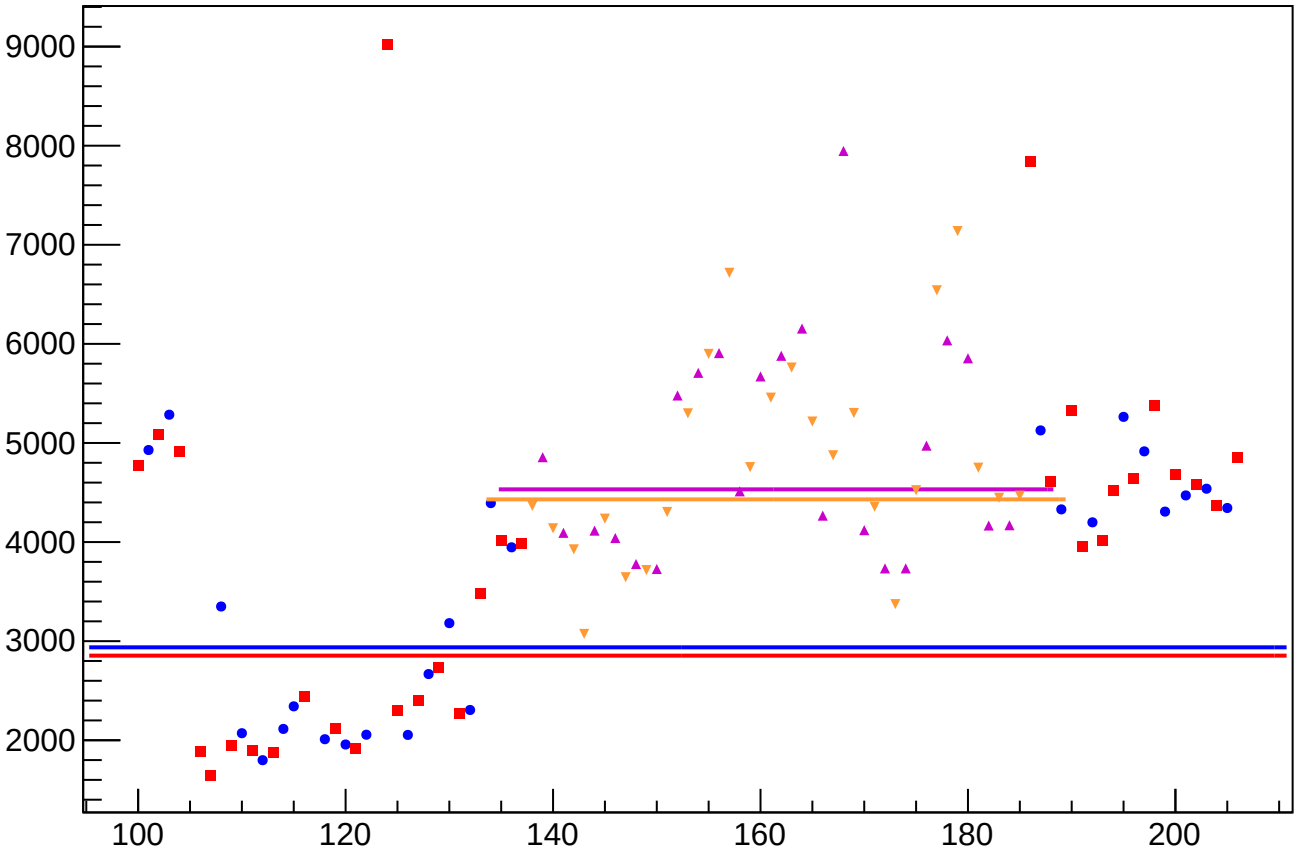
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 497.166+/-568.372 χ^2/NDF: 66.4/55

In: 253.615+/-665.060 χ^2/NDF:40.8/47

Out: 616.827+/-617.550 χ^2/NDF:71.6/55

All: 448.657+/-452.538 χ^2/NDF: 112.5/103



Right In: 2937.711+/-0.596 χ^2/NDF: 3762615.2/24

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2853.912+/-0.544 χ^2/NDF: 5216667.5/30

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

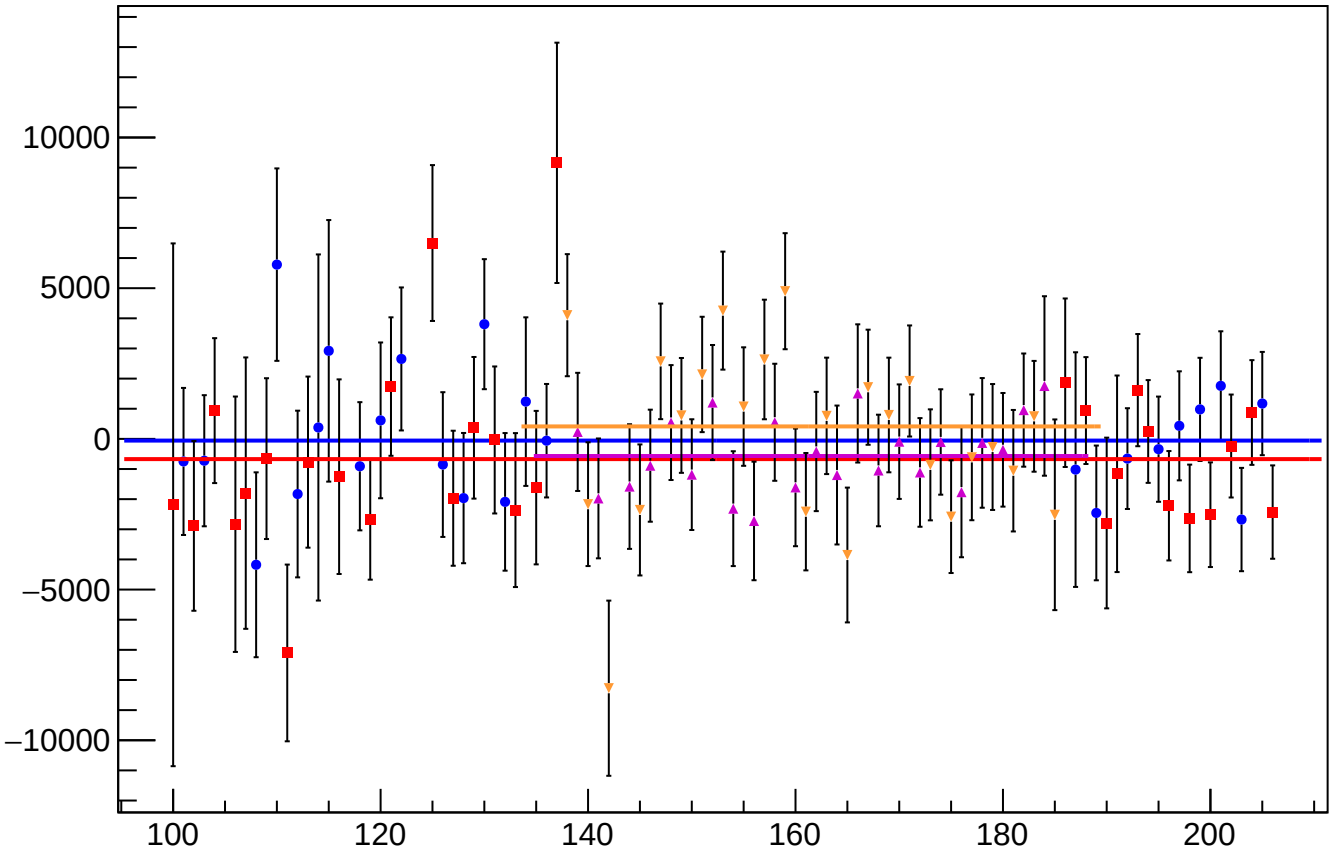
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2892.015+/-0.402 χ^2/NDF: 8990062.2/55

In: 3539.454+/-0.470 χ^2/NDF:7839595.0/47

Out: 3415.672+/-0.437 χ^2/NDF:9820521.5/55

All: 3472.984+/-0.320 χ^2/NDF: 17697320.8/1



Right In: -56.563+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -671.147+/-417.440 χ^2/NDF: 32.5/29

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

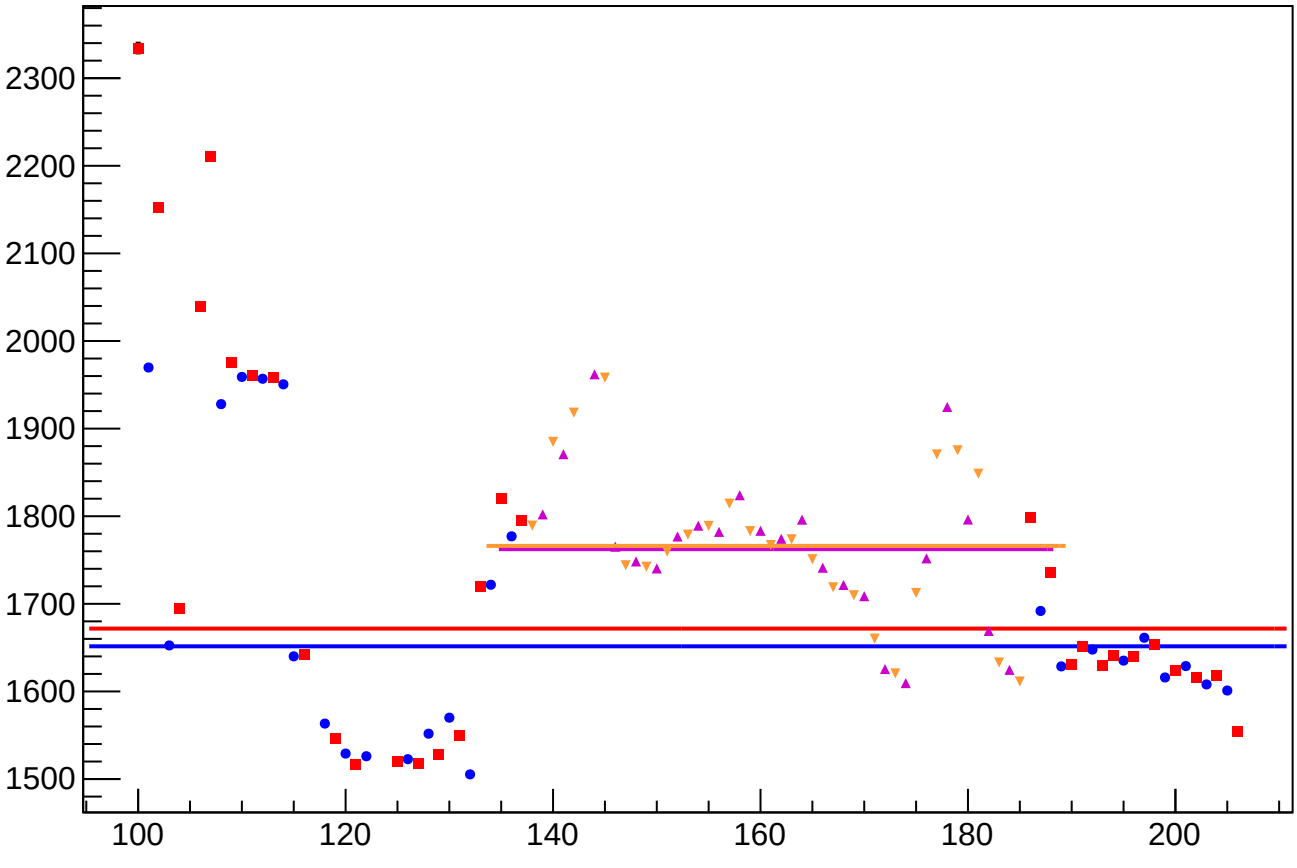
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -380.900+/-303.250 χ^2/NDF: 52.1/54

In: -330.214+/-301.166 χ^2/NDF:27.0/47

Out: -119.876+/-292.703 χ^2/NDF:76.0/53

All: -222.048+/-209.900 χ^2/NDF: 103.2/101



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1671.737+/-0.295 χ^2/NDF: 264662.0/29

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

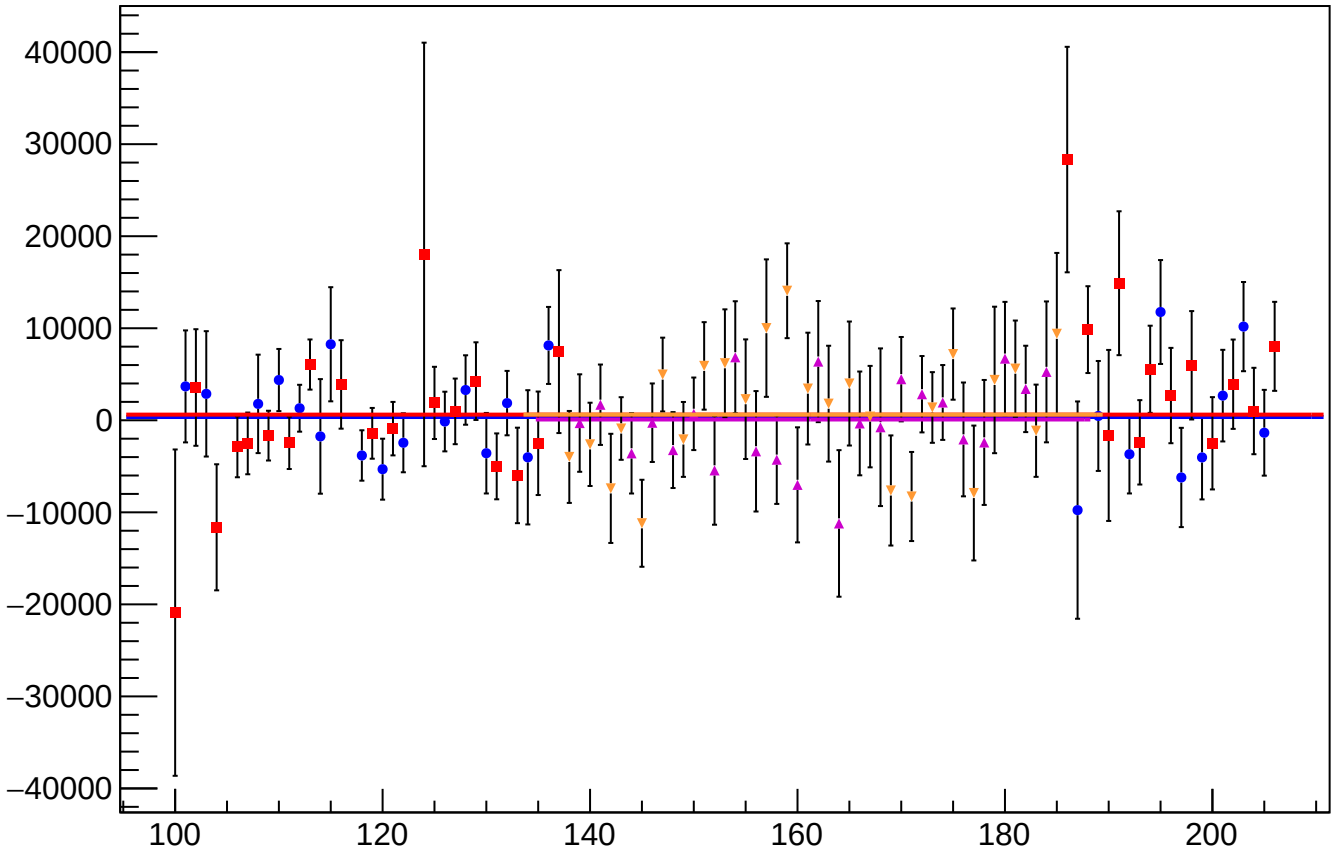
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1662.198+/-0.214 χ^2/NDF: 415134.8/54

In: 1710.755+/-0.213 χ^2/NDF:295815.4/47

Out: 1719.667+/-0.207 χ^2/NDF:399938.3/53

All: 1715.340+/-0.148 χ^2/NDF: 696654.8/101



Right In: 355.529+/-842.893 χ^2/NDF: 27.9/24

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 615.253+/-769.682 χ^2/NDF: 38.5/30

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

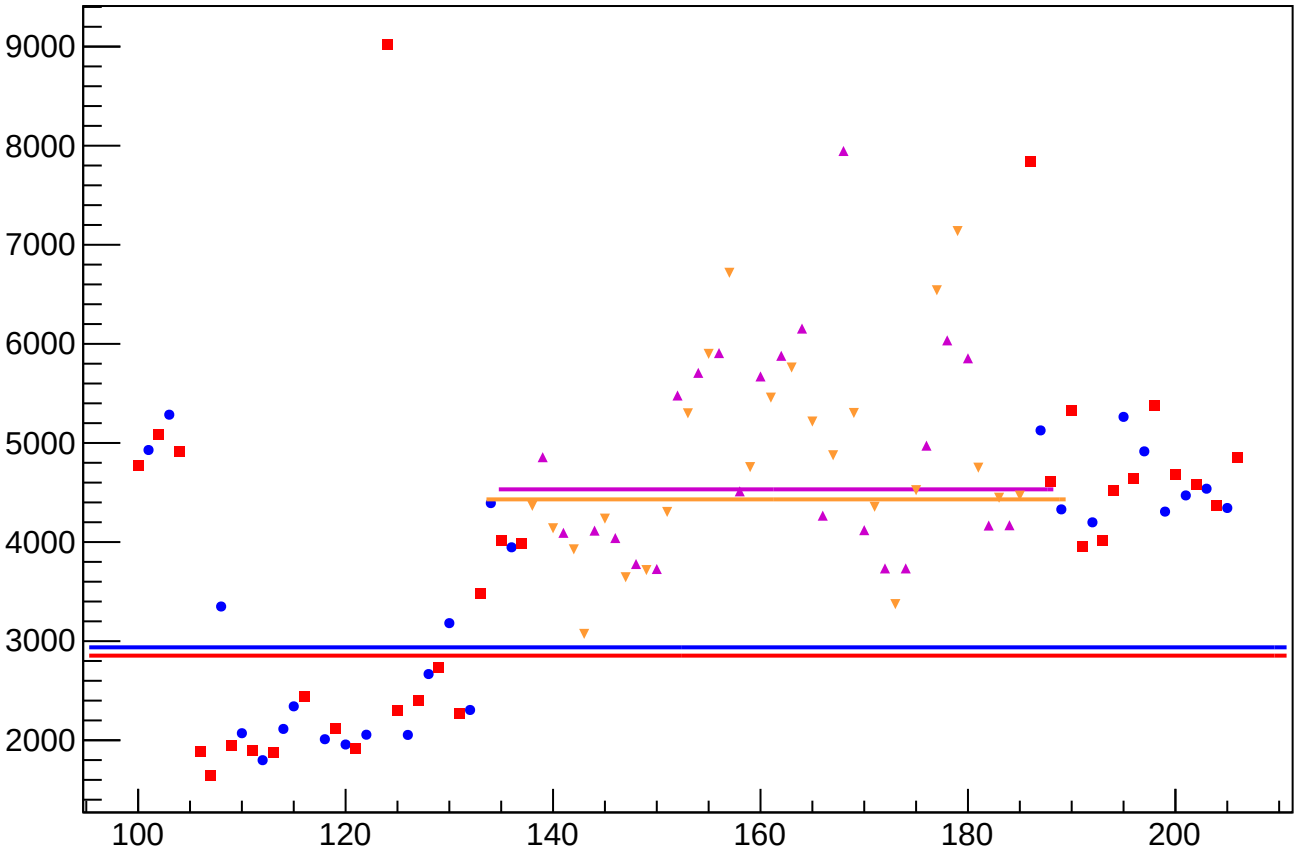
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 497.159+/-568.371 χ^2/NDF: 66.4/55

In: 253.612+/-665.059 χ^2/NDF:40.8/47

Out: 616.824+/-617.549 χ^2/NDF:71.6/55

All: 448.653+/-452.538 χ^2/NDF: 112.5/103



Right In: 2937.701+/-0.596 χ^2/NDF: 3762667.0/24

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2853.903+/-0.544 χ^2/NDF: 5216720.2/30

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

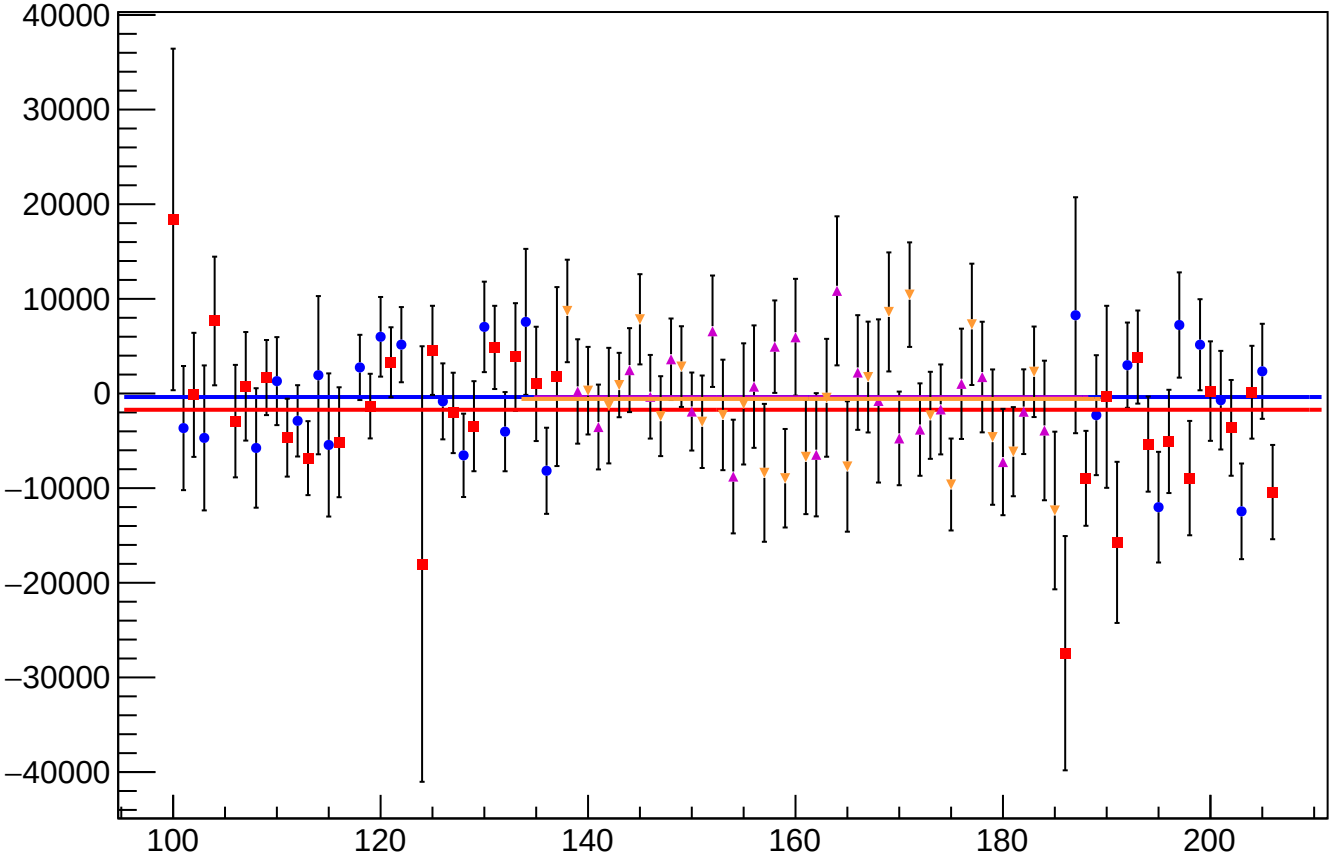
Right: 2892.006+/-0.402 χ^2/NDF: 8990166.4/55

In: 3539.447+/-0.470 χ^2/NDF:7839707.8/47

Out: 3415.666+/-0.437 χ^2/NDF:9820635.3/55

All: 3472.978+/-0.320 χ^2/NDF: 17697546.9/

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -372.650+/-1000.710 χ^2/NDF: 30.9/24

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1719.642+/-944.411 χ^2/NDF: 30.8/30

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

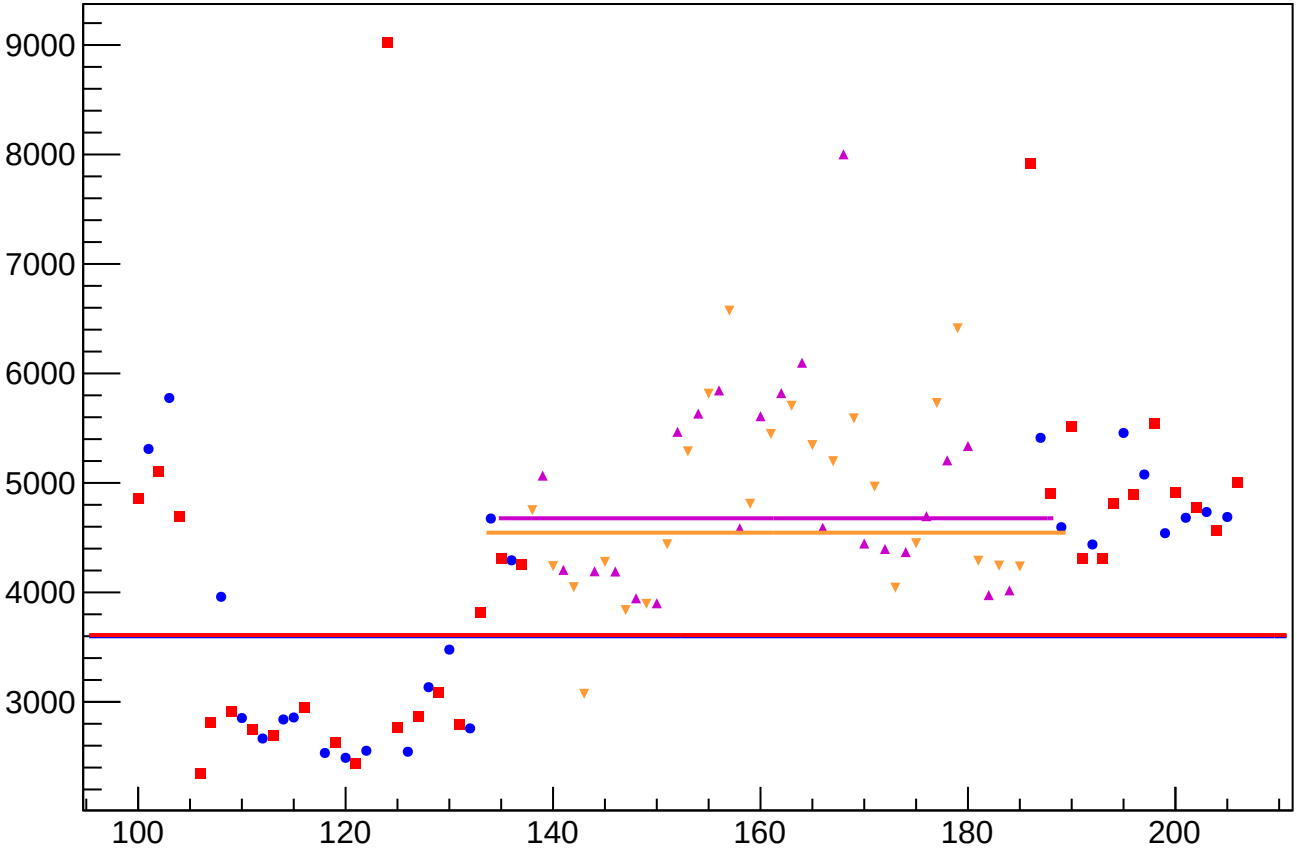
Right: -1085.100+/-686.840 χ^2/NDF: 62.6/55

In: -384.203+/-743.099 χ^2/NDF:44.9/47

Out: -1209.515+/-703.612 χ^2/NDF:60.2/55

All: -819.369+/-510.918 χ^2/NDF: 105.7/103

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3599.224+/-0.708 χ^2/NDF: 2173296.3/24

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3610.424+/-0.662 χ^2/NDF: 2778712.7/30

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

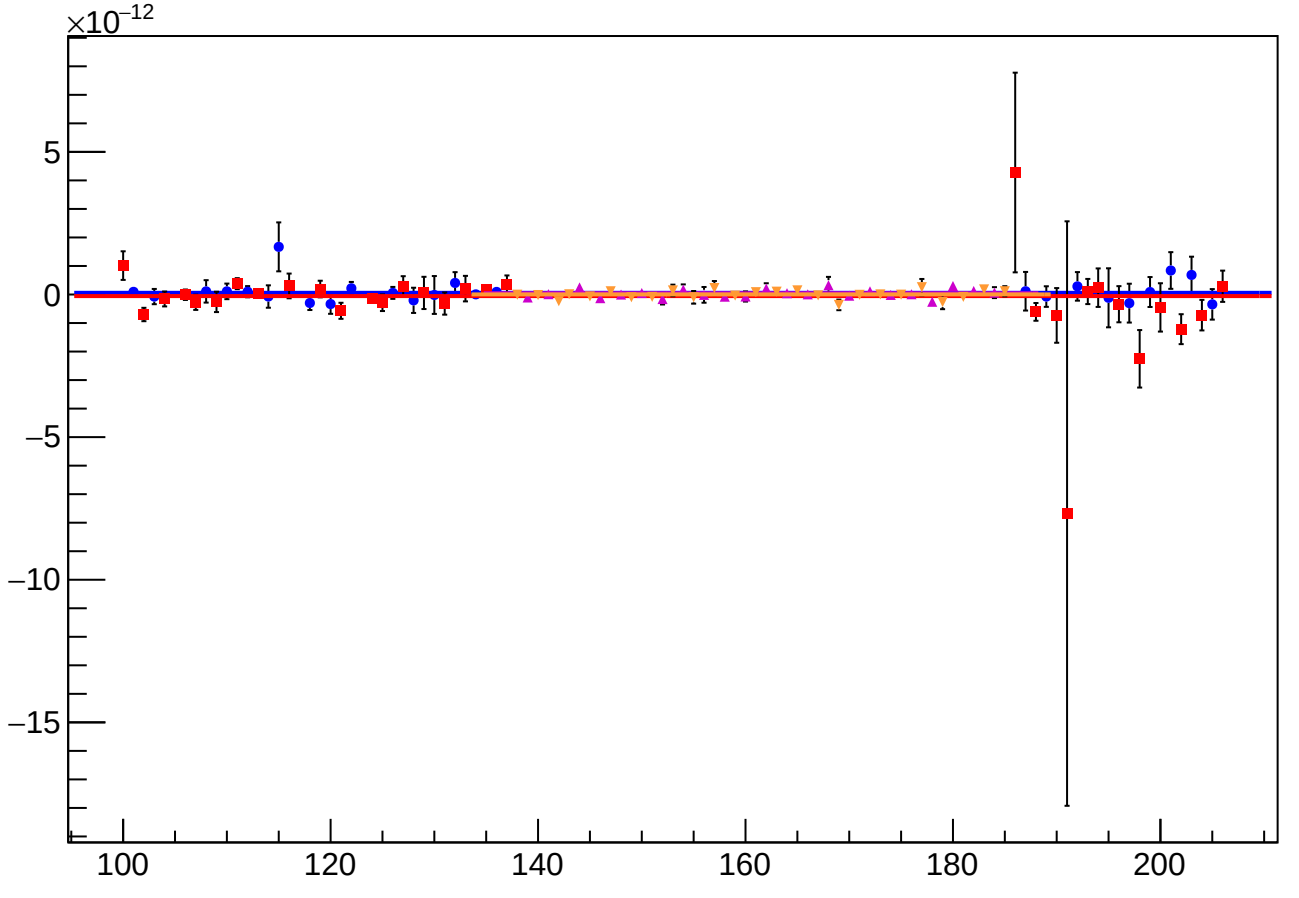
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3605.199+/-0.483 χ^2/NDF: 4952142.6/55

In: 4082.722+/-0.525 χ^2/NDF:4173958.2/47

Out: 4022.248+/-0.495 χ^2/NDF:4916685.7/55

All: 4050.682+/-0.360 χ^2/NDF: 9097661.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

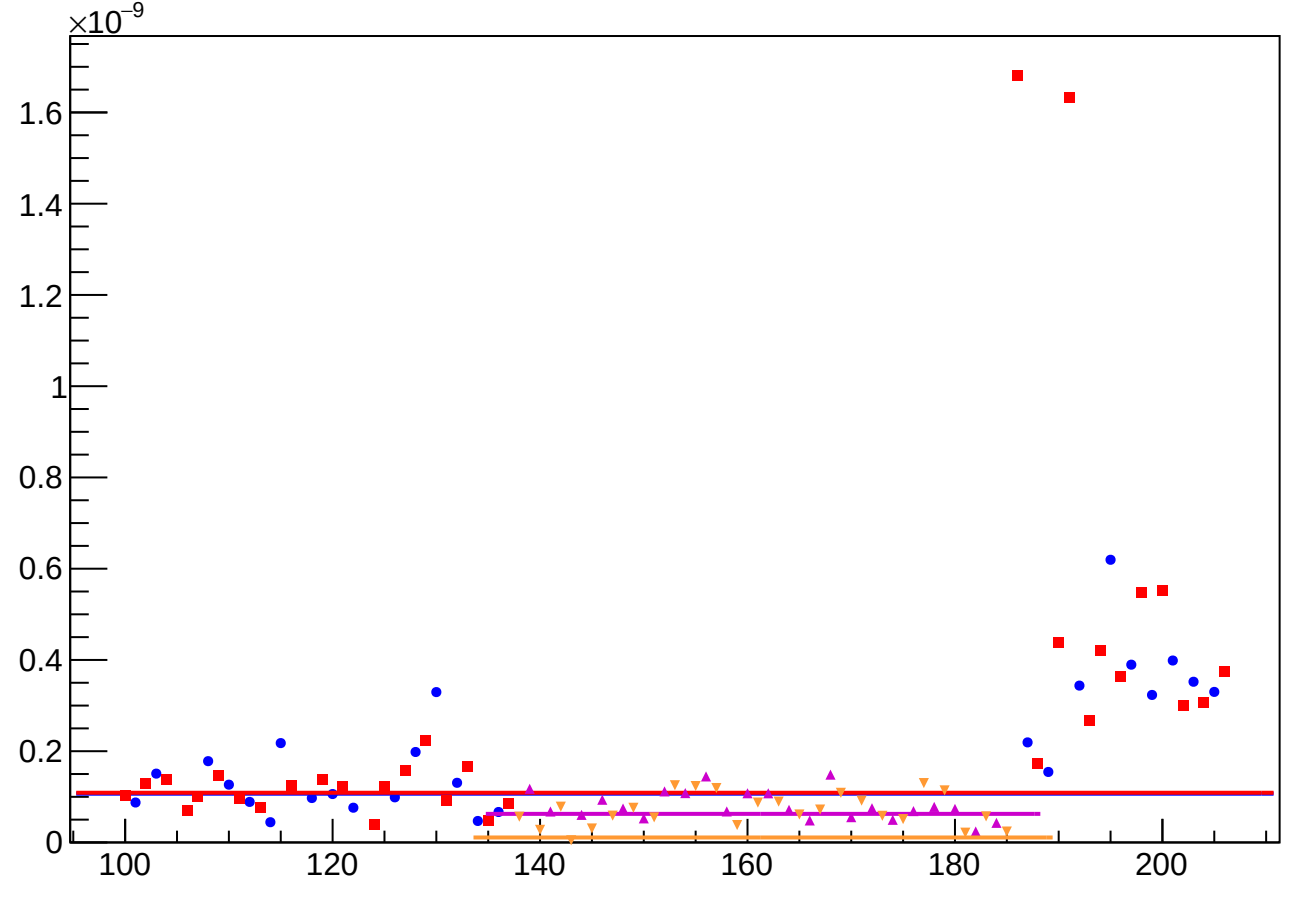
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 64.0/55

In: 0.000+/-0.000 χ^2/NDF:33.7/47

Out: 0.000+/-0.000 χ^2/NDF:68.1/55

All: 0.000+/-0.000 χ^2/NDF: 105.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 3911653.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5001566.7/30

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

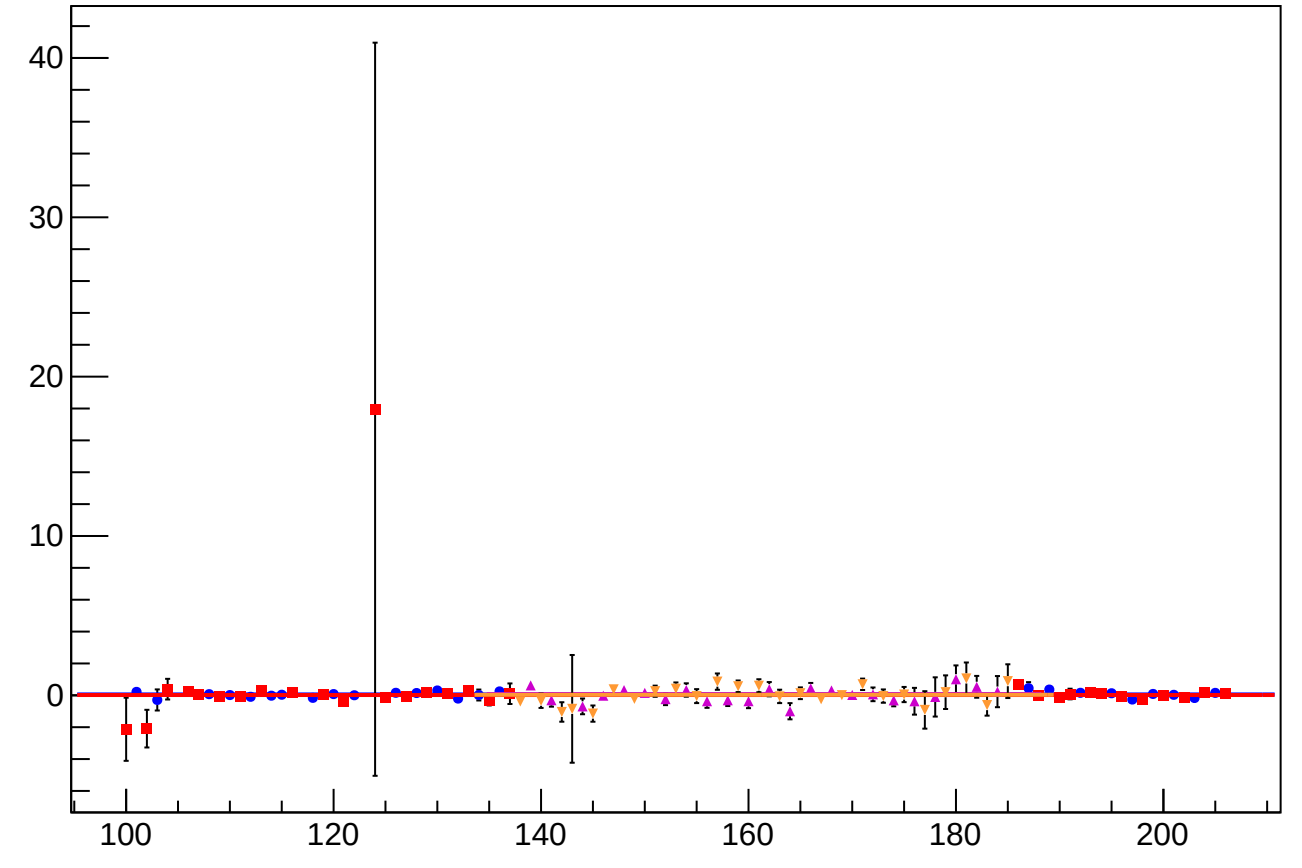
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8914712.5/55

In: 0.000+/-0.000 χ^2/NDF:7090187.1/47

Out: 0.000+/-0.000 χ^2/NDF:21380846.8/55

All: 0.000+/-0.000 χ^2/NDF: 39254826.2/103



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

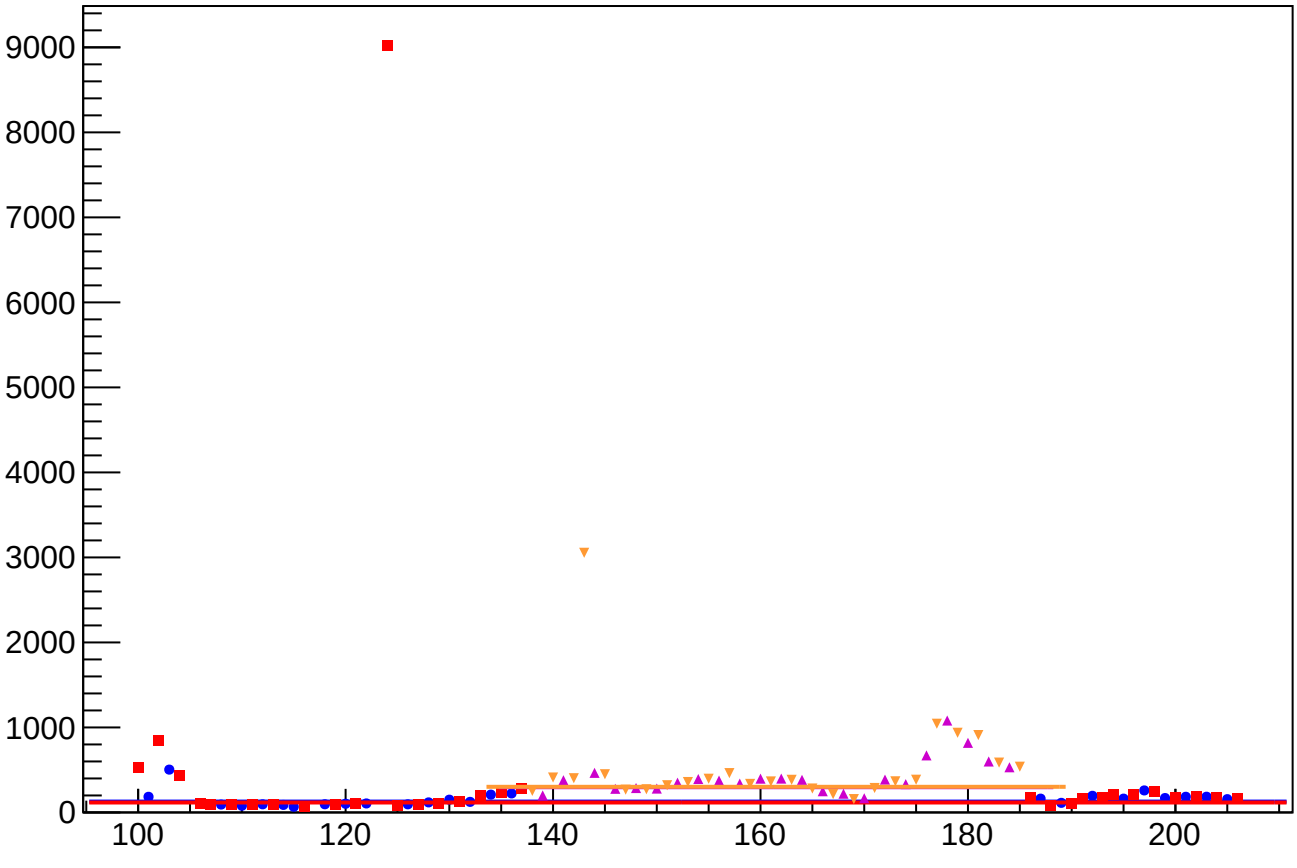
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.035+/-0.025 χ^2/NDF: 50.5/55

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.039+/-0.023 χ^2/NDF: 104.5/103



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

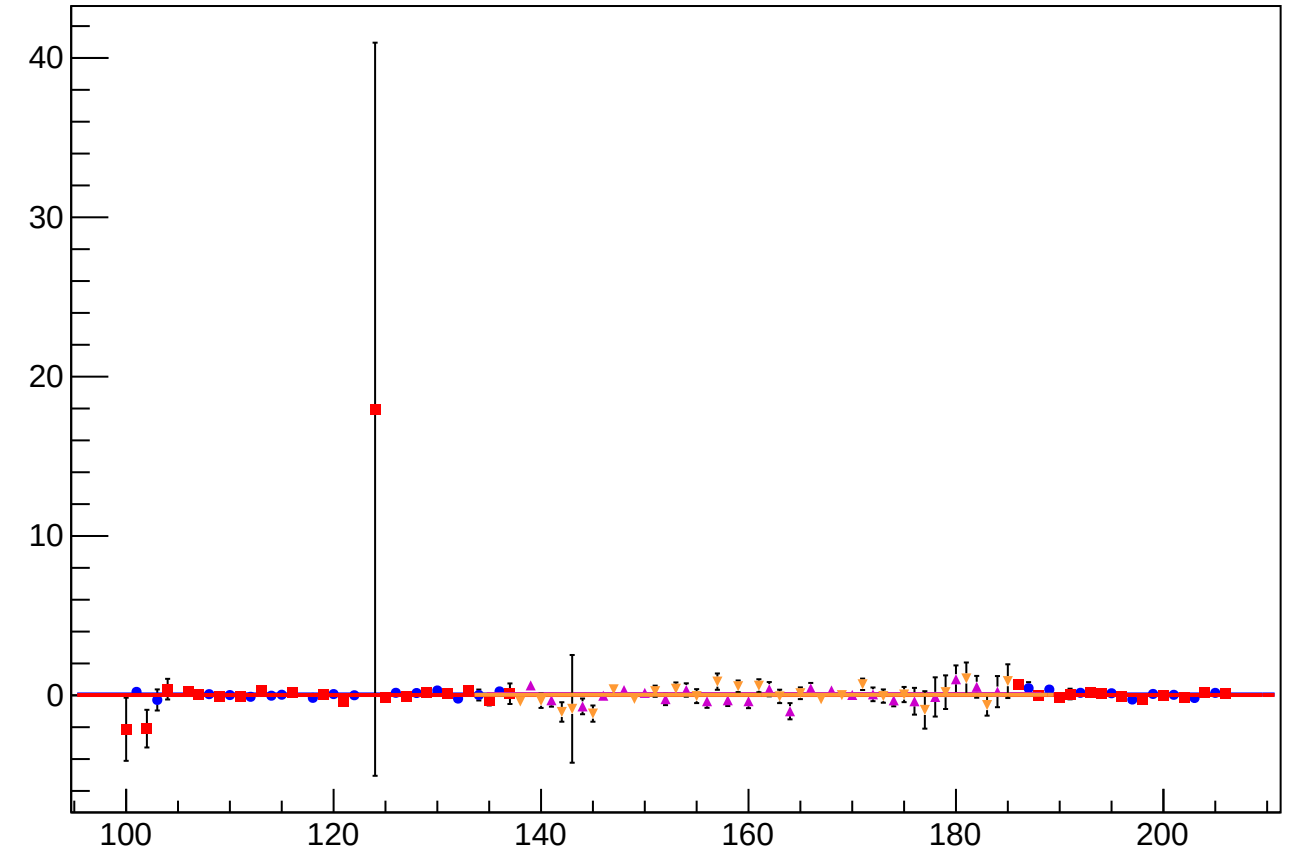
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 121.851+/-0.018 χ^2/NDF: 8941456.1/55

In: 161.252+/-0.024 χ^2/NDF:16342103.4/47

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 152.710+/-0.016 χ^2/NDF: 38408935.1/10



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

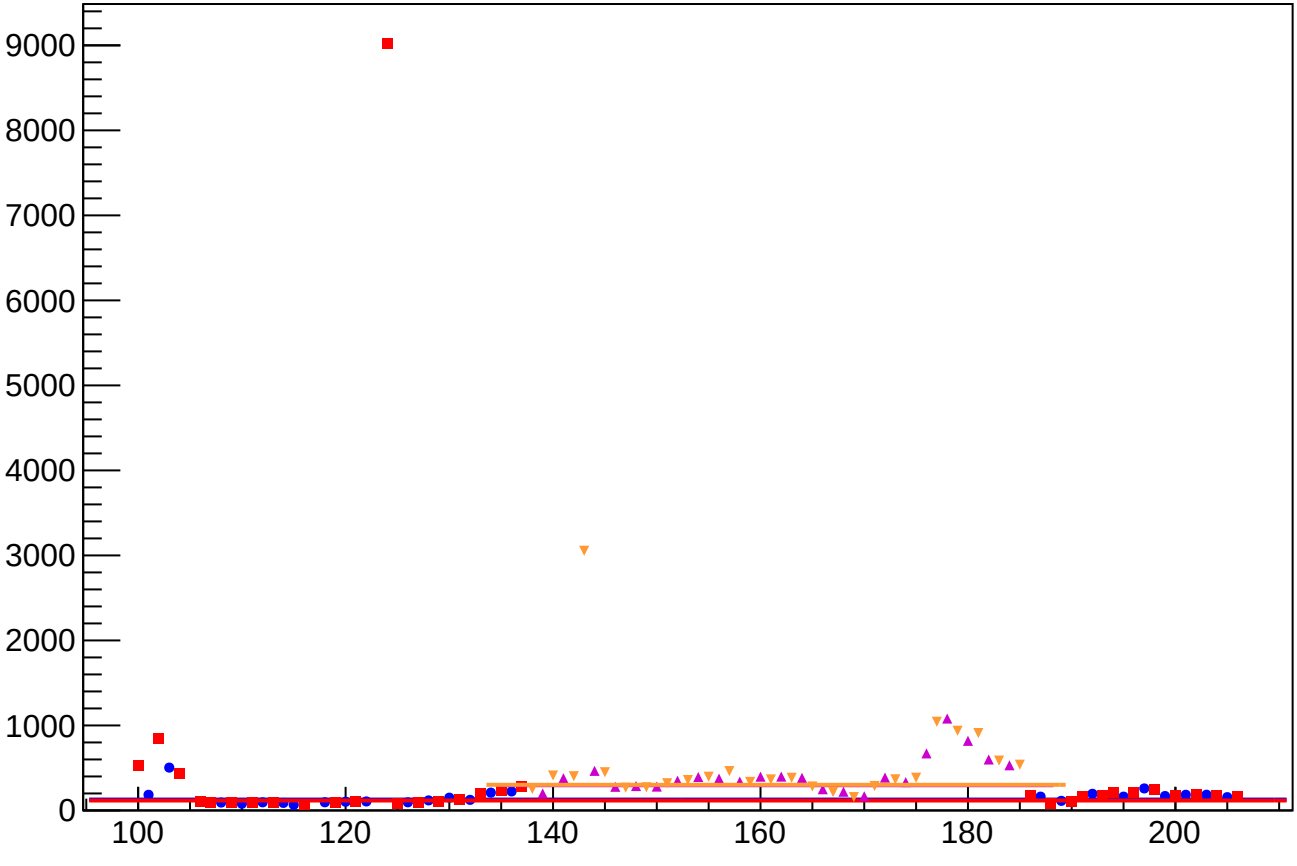
Right: 0.035+/-0.025 χ^2/NDF: 50.5/55

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.039+/-0.023 χ^2/NDF: 104.5/103

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

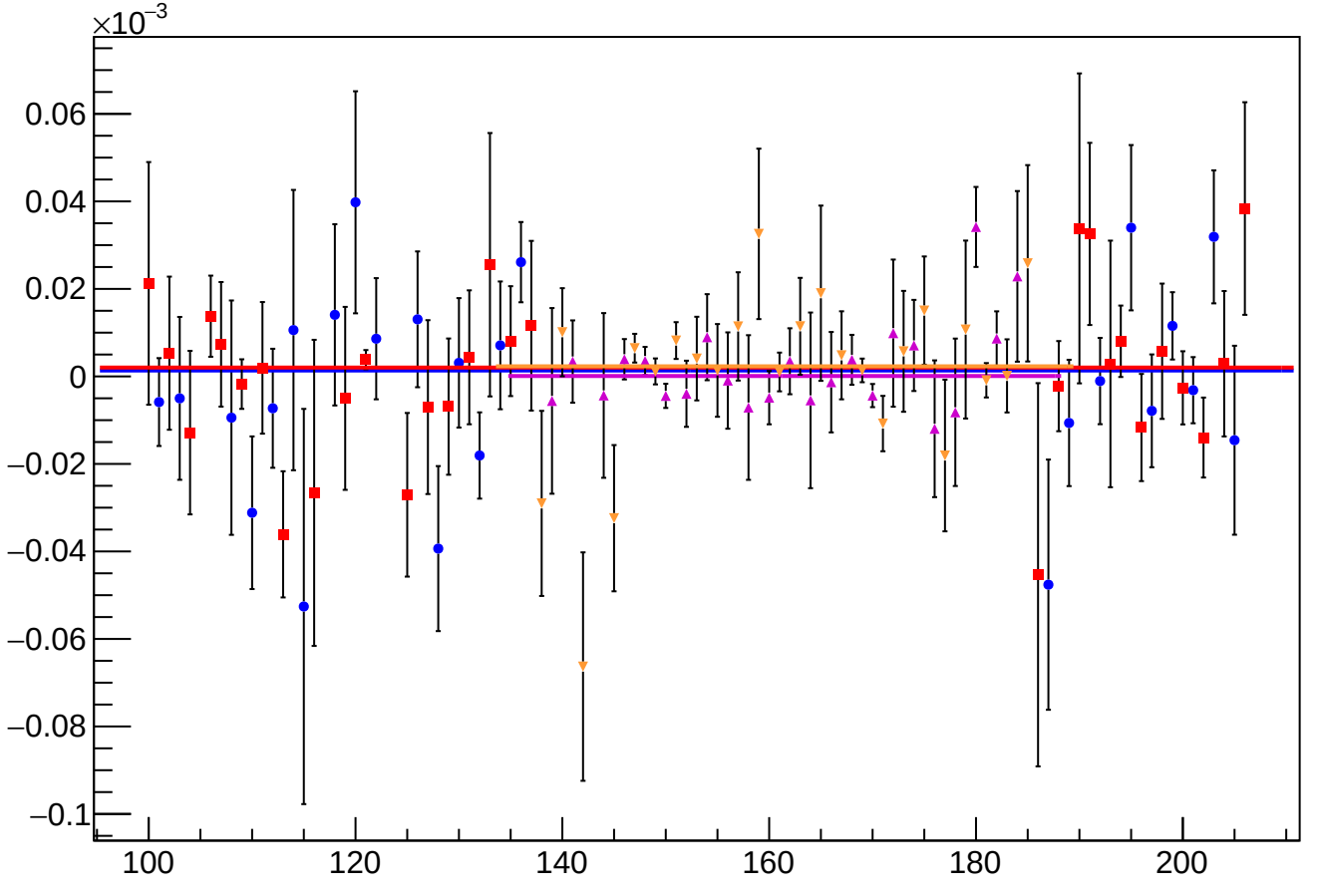
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 121.851+/-0.018 χ^2/NDF: 8941456.1/55

In: 161.252+/-0.024 χ^2/NDF:16342103.4/47

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 152.710+/-0.016 χ^2/NDF: 38408935.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/29

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

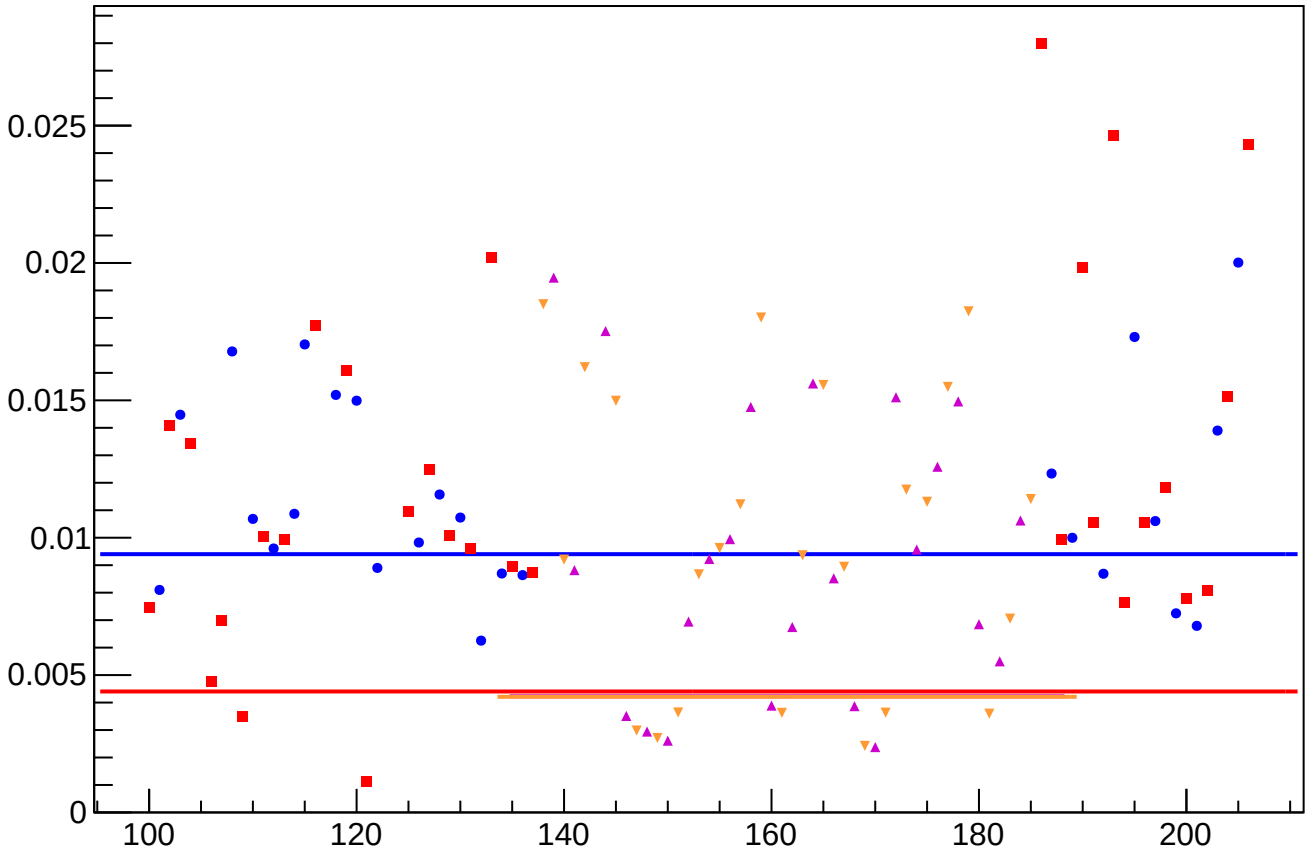
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 67.2/54

In: 0.000+/-0.000 χ^2/NDF:68.8/47

Out: 0.000+/-0.000 χ^2/NDF:58.8/53

All: 0.000+/-0.000 χ^2/NDF: 129.1/101



Right In: 0.009+/-0.000 χ^2/NDF: 2385453.9/24

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16055829.9/29

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

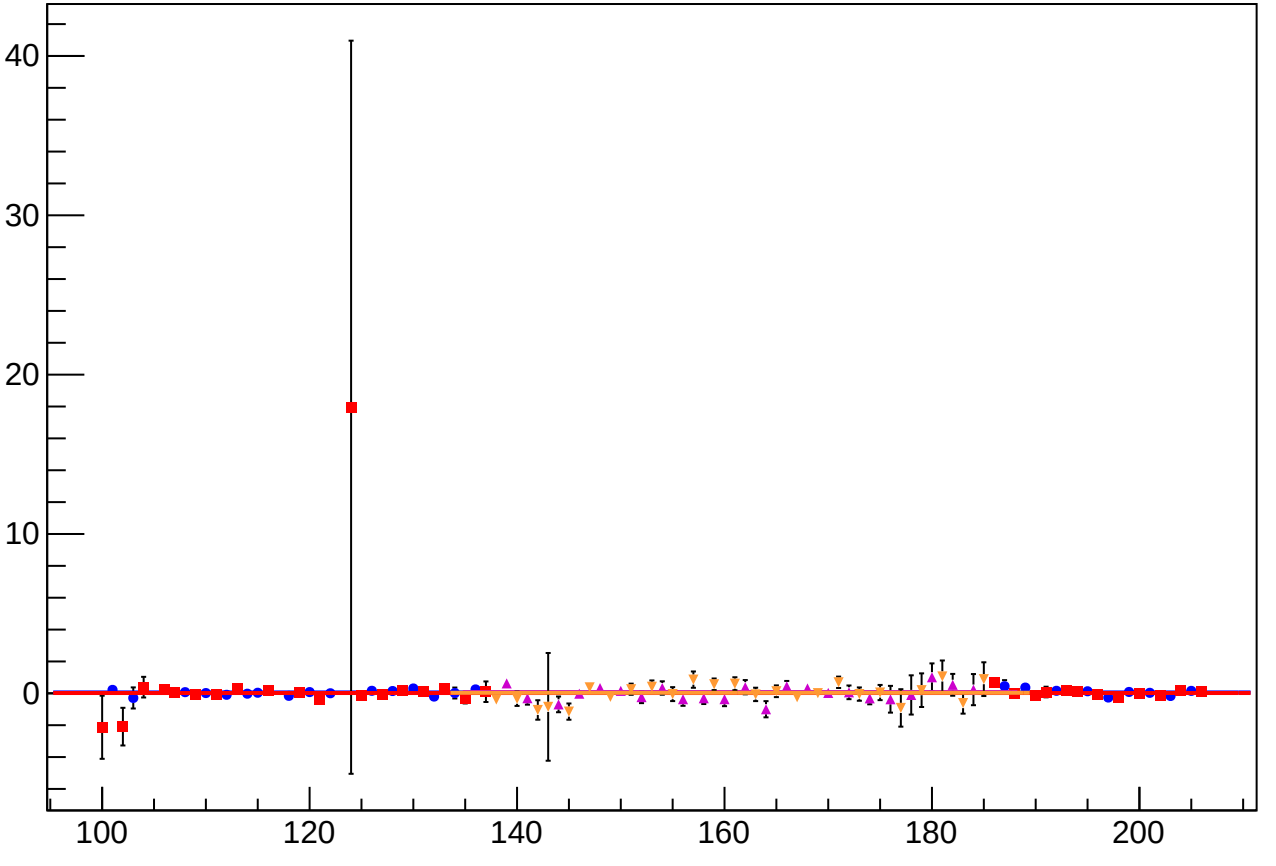
Right: 0.006+/-0.000 χ^2/NDF: 23462173.6/54

In: 0.005+/-0.000 χ^2/NDF:19453138.5/47

Out: 0.004+/-0.000 χ^2/NDF:28151426.5/53

All: 0.005+/-0.000 χ^2/NDF: 48290293.5/101

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

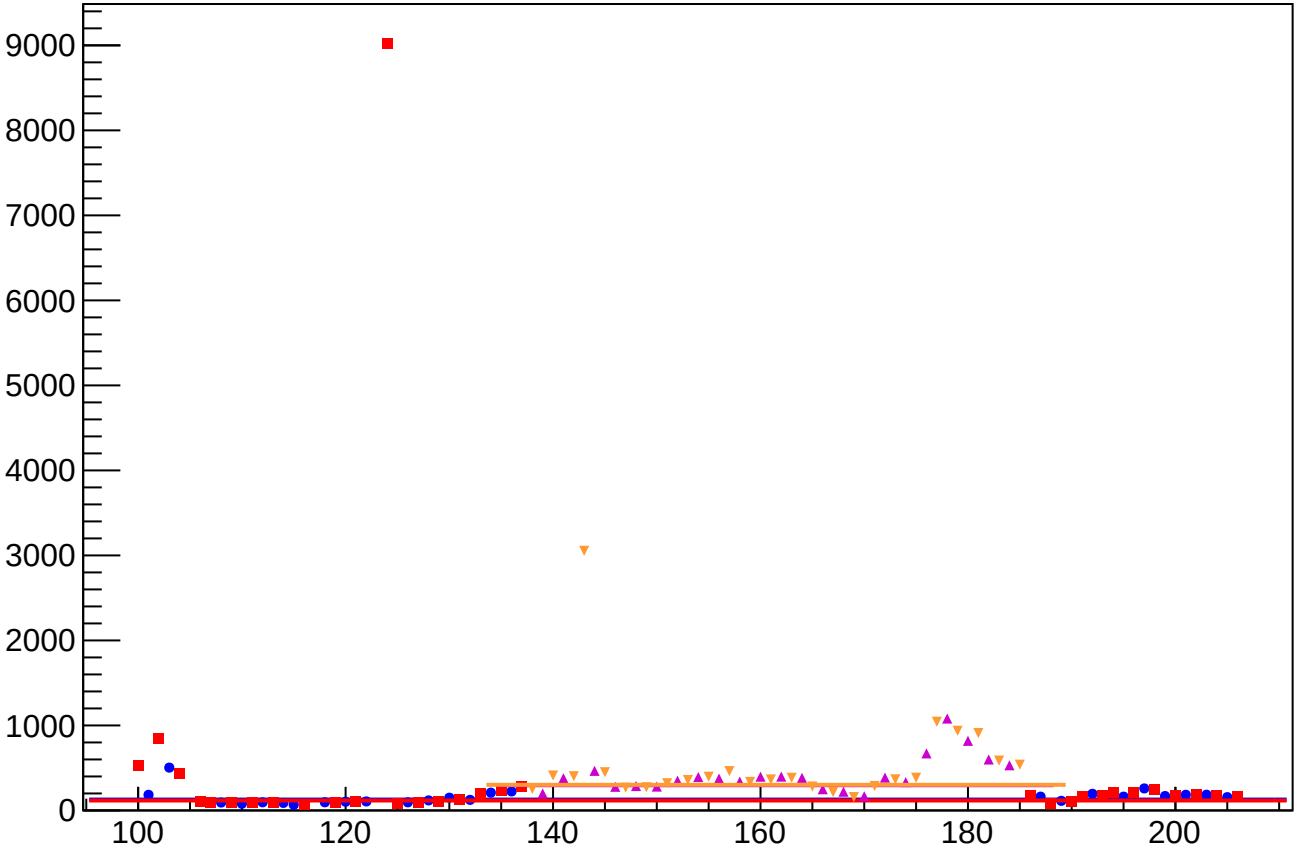
Right: 0.035+/-0.025 χ^2/NDF: 50.5/55

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.039+/-0.023 χ^2/NDF: 104.5/103

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

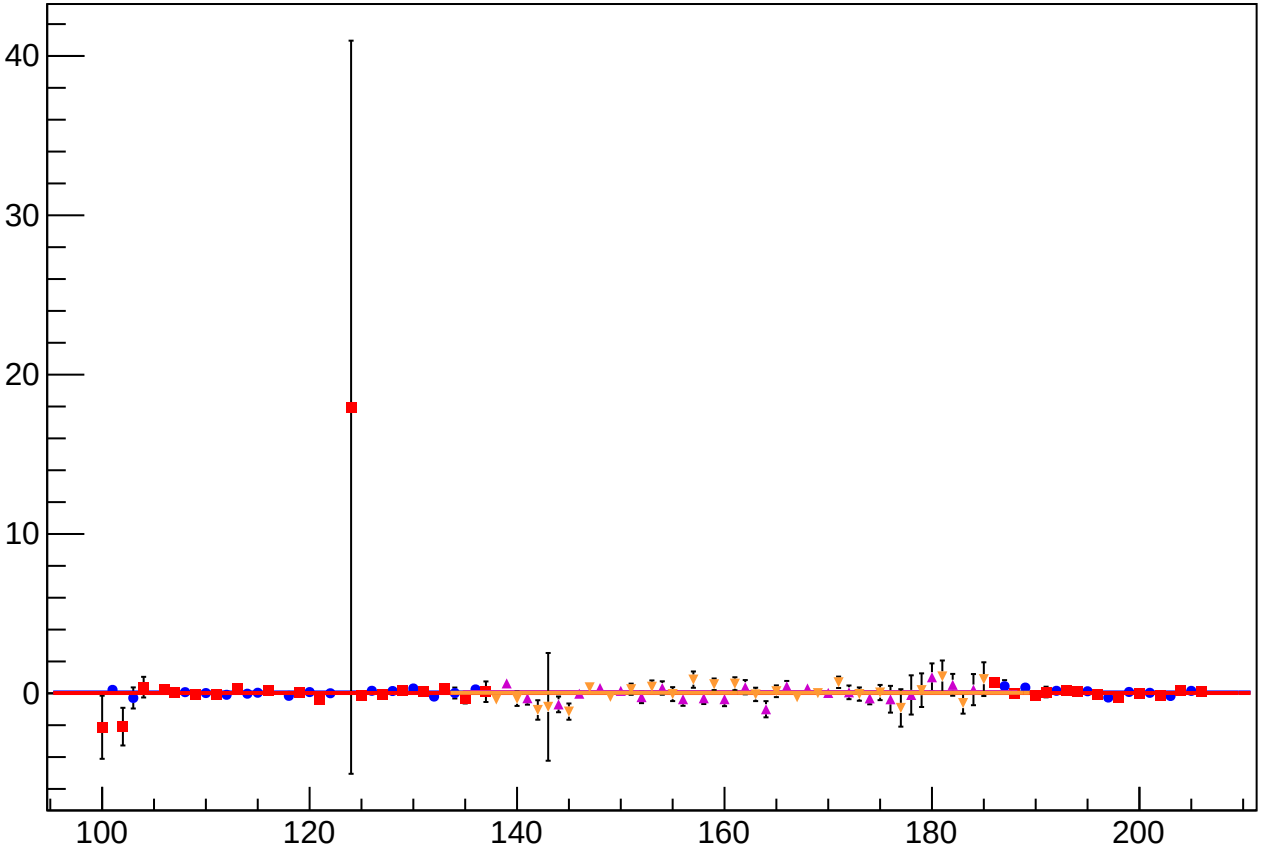
Right: 121.851+/-0.018 χ^2/NDF: 8941338.6/55

In: 161.252+/-0.024 χ^2/NDF:16342163.3/47

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 152.711+/-0.016 χ^2/NDF: 38408928.7/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

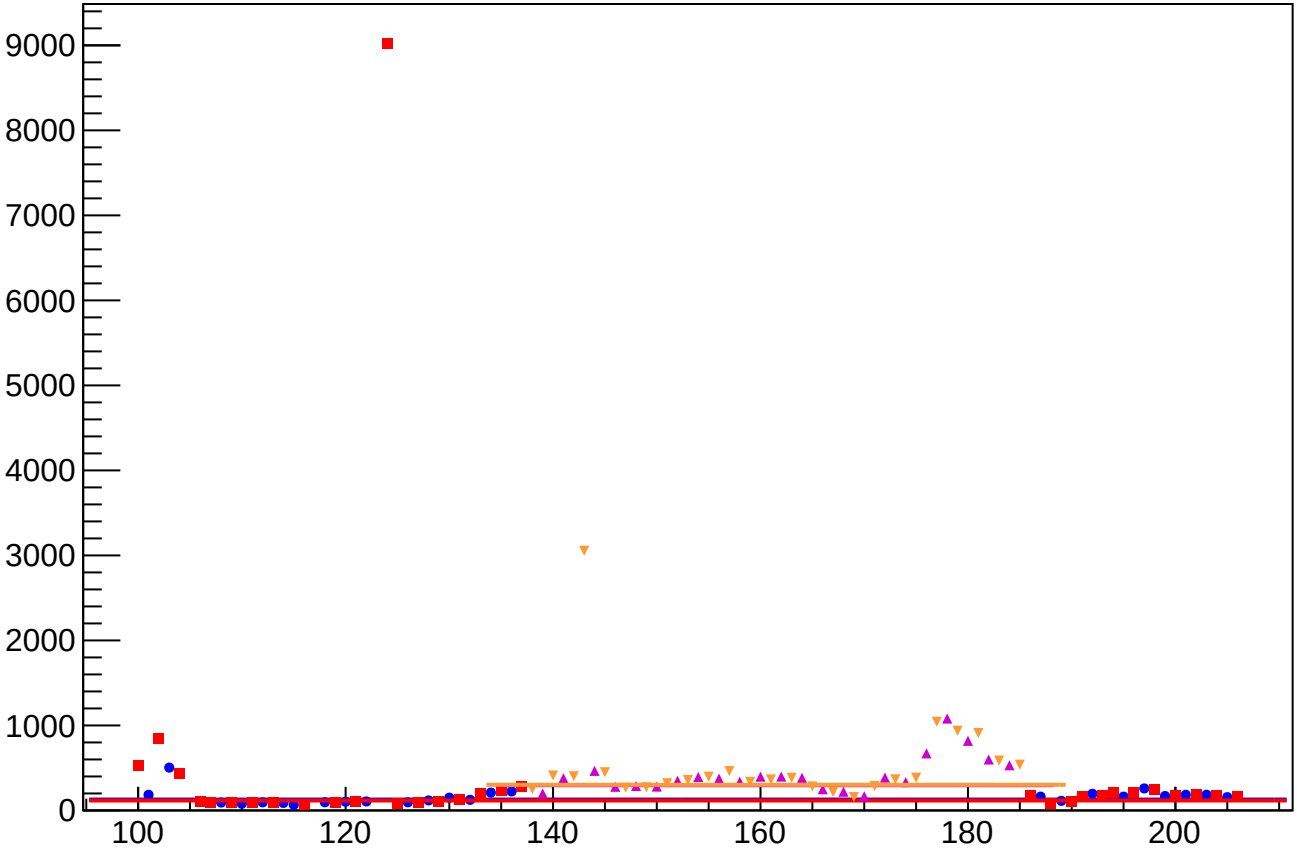
Right: 0.035+/-0.025 χ^2/NDF: 50.5/55

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.039+/-0.023 χ^2/NDF: 104.5/103

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

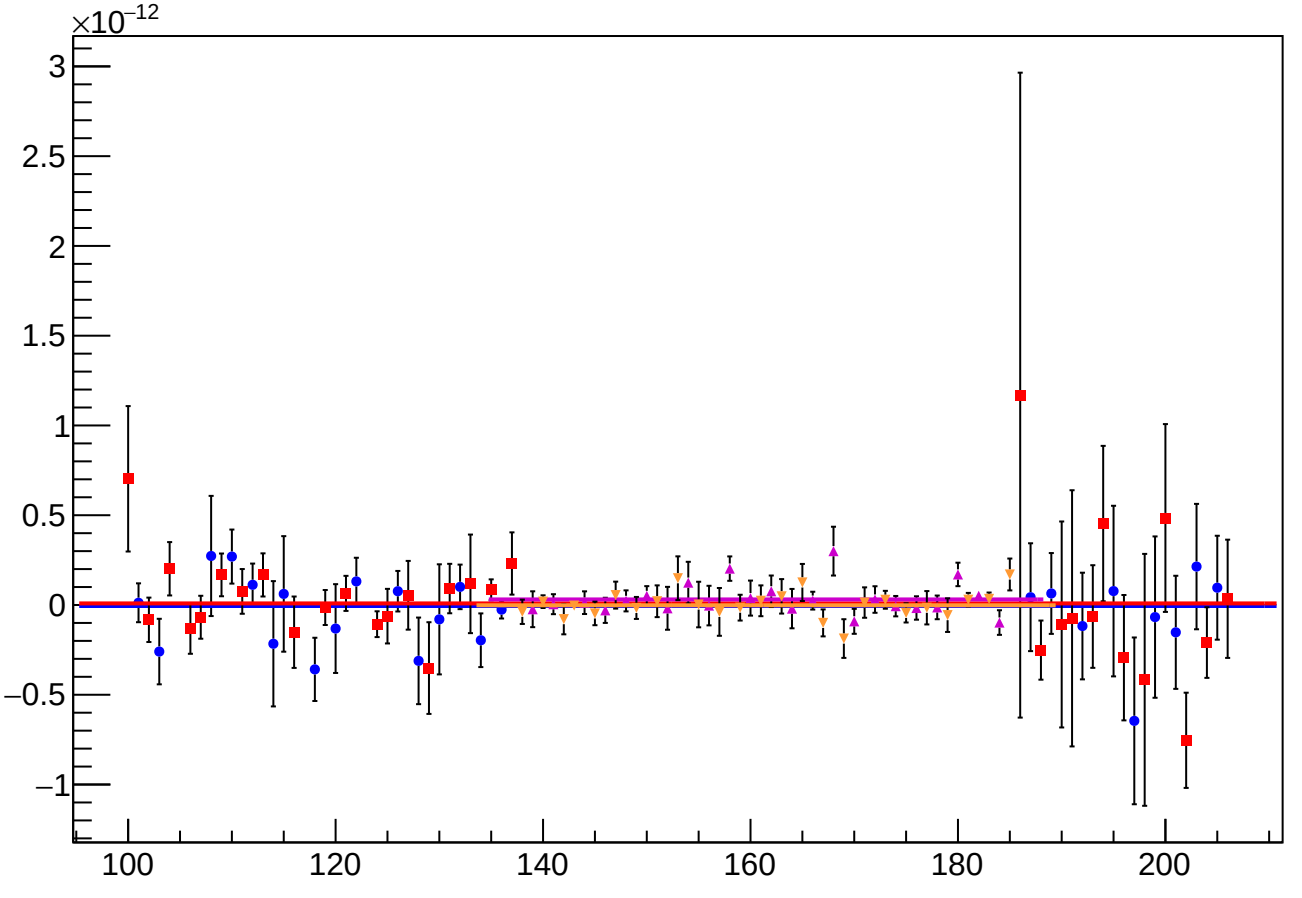
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 121.851+/-0.018 χ^2/NDF: 8941338.6/55

In: 161.252+/-0.024 χ^2/NDF:16342163.3/47

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 152.711+/-0.016 χ^2/NDF: 38408928.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/30

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

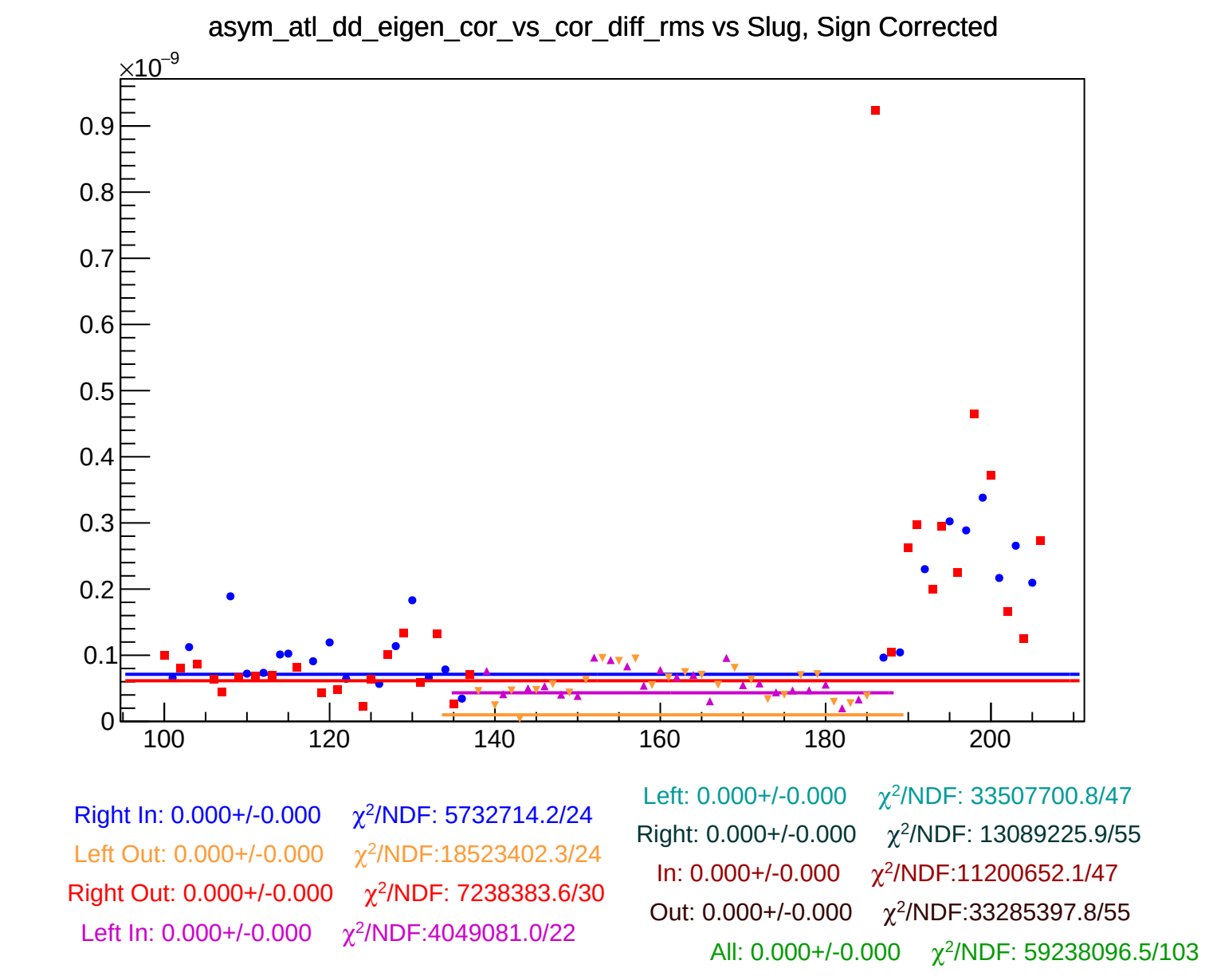
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/55

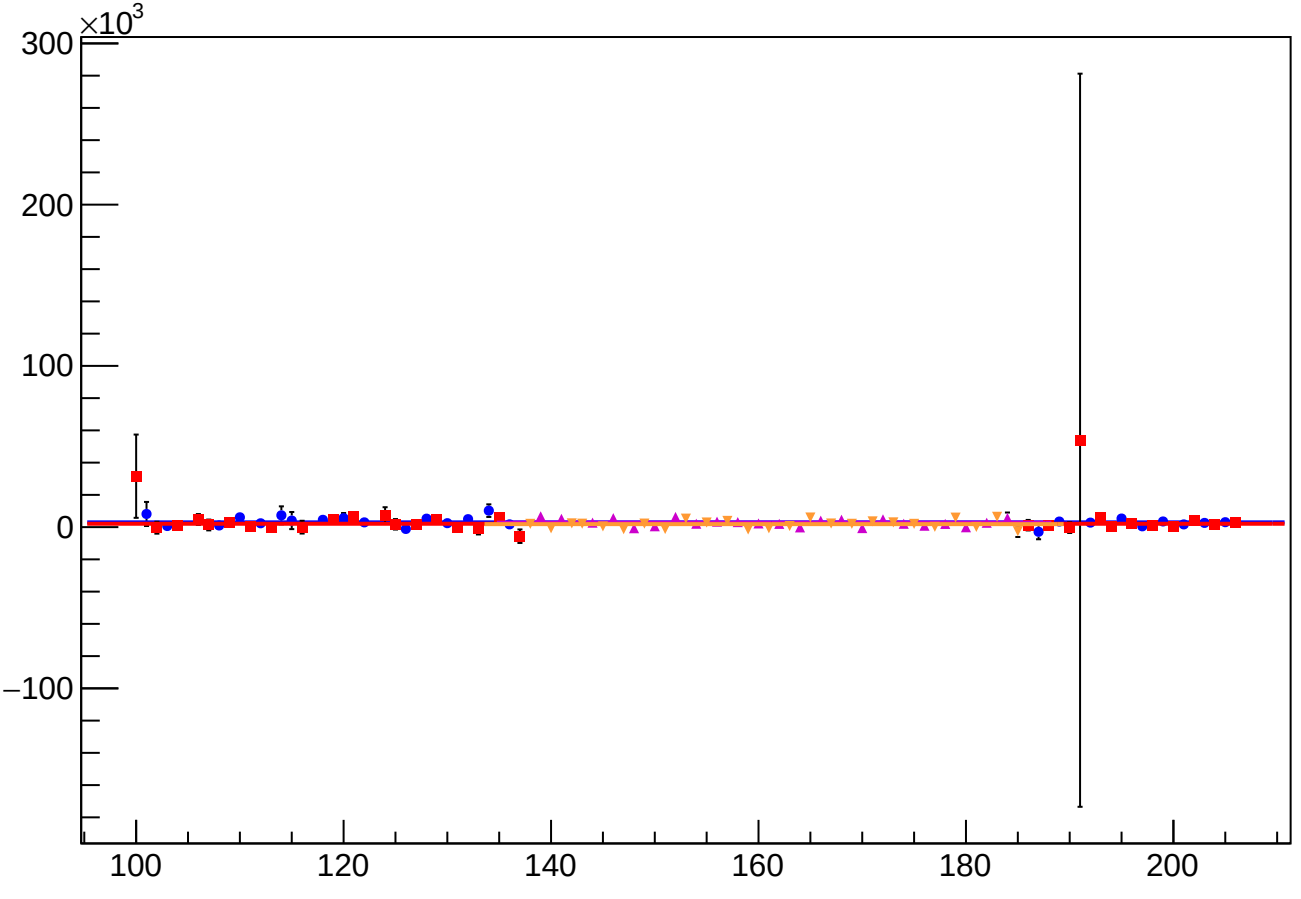
In: 0.000+/-0.000 χ^2/NDF:48.0/47

Out: -0.000+/-0.000 χ^2/NDF:53.6/55

All: 0.000+/-0.000 χ^2/NDF: 105.6/103


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5732714.2/24
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 7238383.6/30
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 13089225.9/55
In: 0.000+/-0.000 χ²/NDF:11200652.1/47
Out: 0.000+/-0.000 χ²/NDF:33285397.8/55
All: 0.000+/-0.000 χ²/NDF: 59238096.5/103

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2958.877+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2087.840+/-487.090 χ^2/NDF: 22.6/30

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

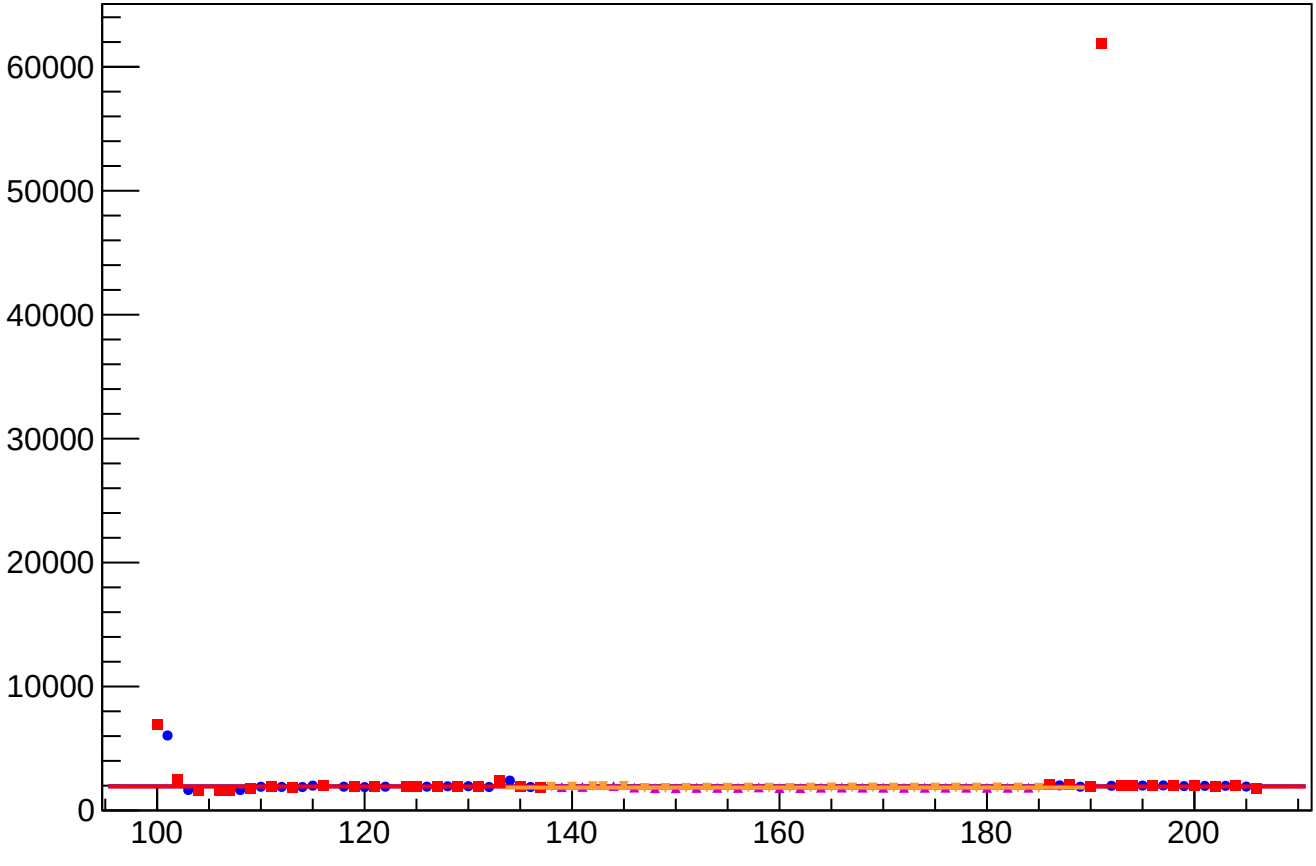
Right: 2490.587+/-357.148 χ^2/NDF: 40.4/55

In: 2849.426+/-333.122 χ^2/NDF:41.8/47

Out: 1952.573+/-318.084 χ^2/NDF:54.2/55

All: 2380.301+/-230.052 χ^2/NDF: 99.9/103

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1947.789+/-0.371 χ^2/NDF: 707182.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1936.537+/-0.344 χ^2/NDF: 415990.6/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

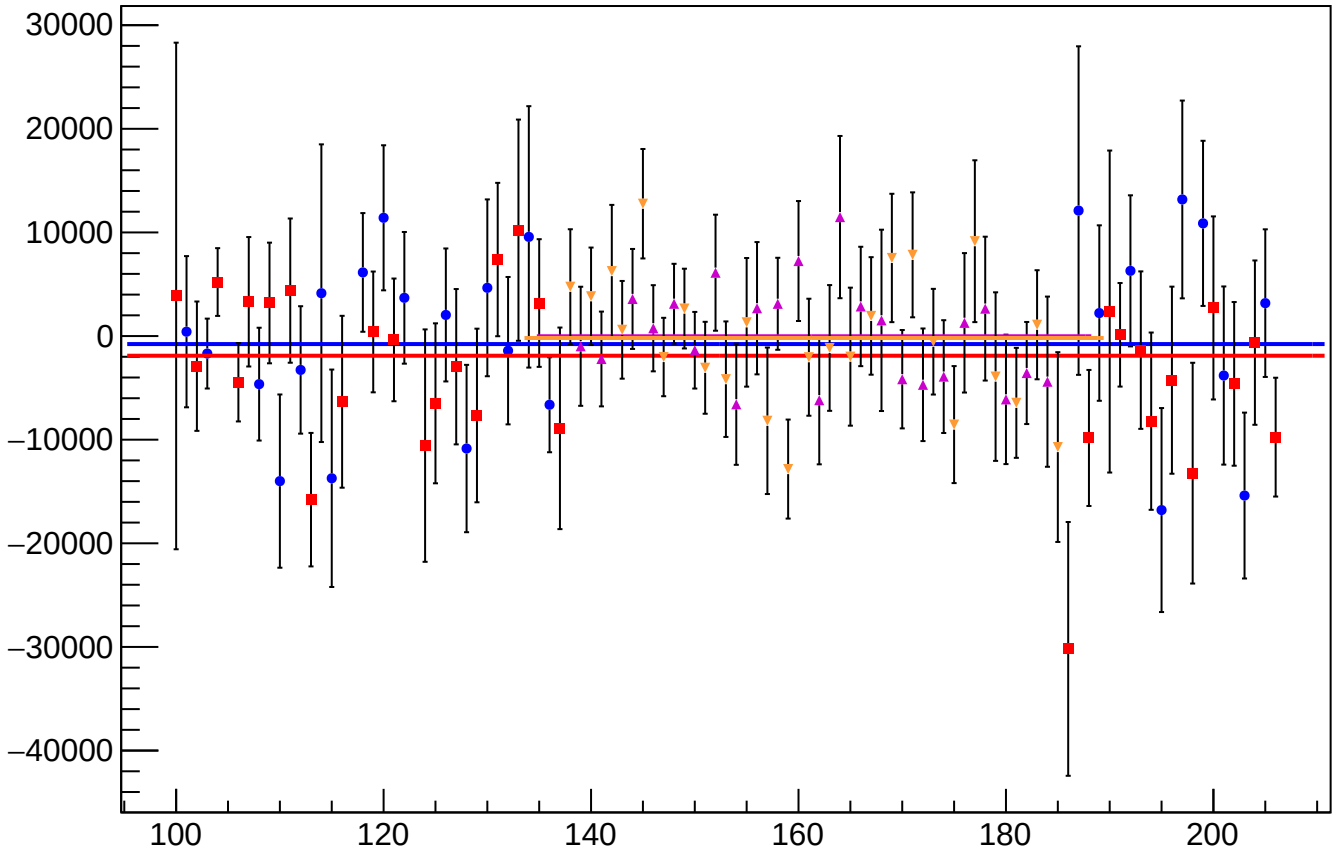
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1941.730+/-0.252 χ^2/NDF: 1123667.5/55

In: 1886.384+/-0.236 χ^2/NDF:766941.2/47

Out: 1886.126+/-0.225 χ^2/NDF:474401.2/55

All: 1886.249+/-0.163 χ^2/NDF: 1241343.1/10



Right In: -772.953+/-1386.096 χ^2/NDF: 26.8/24

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1897.545+/-1208.008 χ^2/NDF: 29.3/30

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

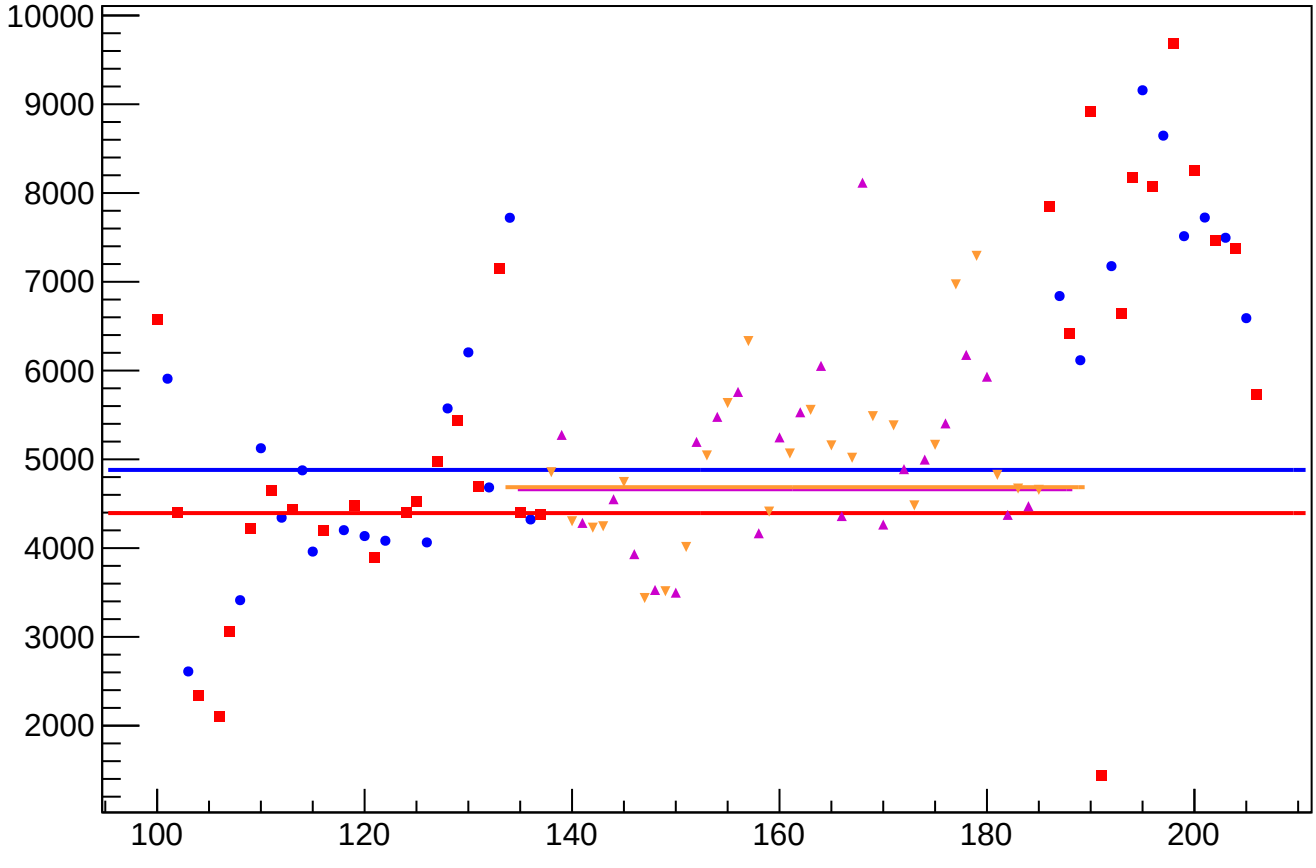
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1412.092+/-910.688 χ^2/NDF: 56.4/55

In: -314.659+/-867.644 χ^2/NDF:40.7/47

Out: -954.947+/-808.694 χ^2/NDF:59.3/55

All: -657.291+/-591.576 χ^2/NDF: 100.3/103



Right In: 4880.813+/-0.980 χ^2/NDF: 3159994.7/24

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4394.564+/-0.854 χ^2/NDF: 5517108.2/30

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

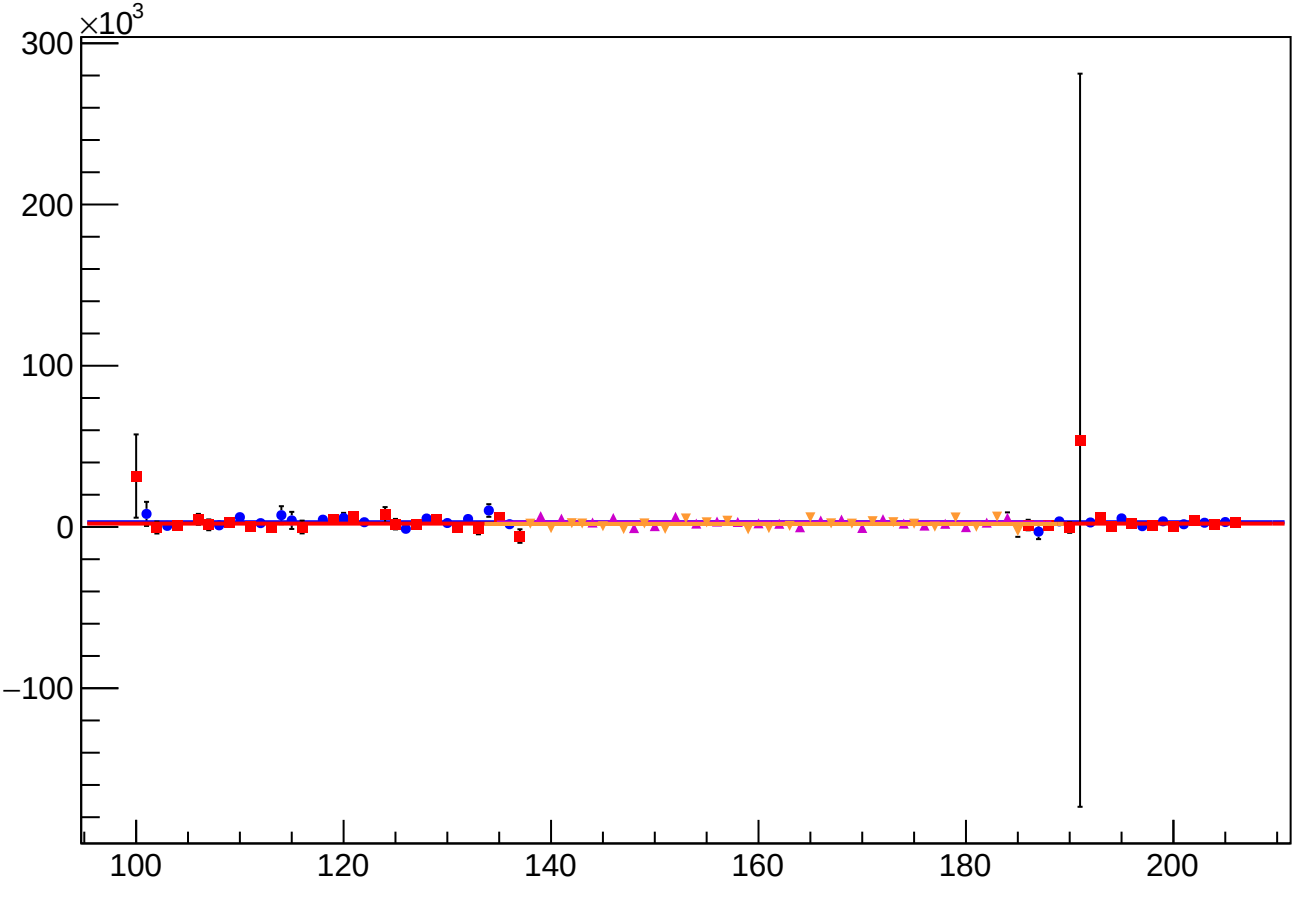
Right: 4604.462+/-0.644 χ^2/NDF: 8816984.9/55

In: 4748.511+/-0.614 χ^2/NDF:4476681.7/47

Out: 4555.586+/-0.572 χ^2/NDF:6766566.3/55

All: 4645.272+/-0.418 χ^2/NDF: 11296162.8/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2088.350+/-487.091 χ^2/NDF: 22.6/30

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

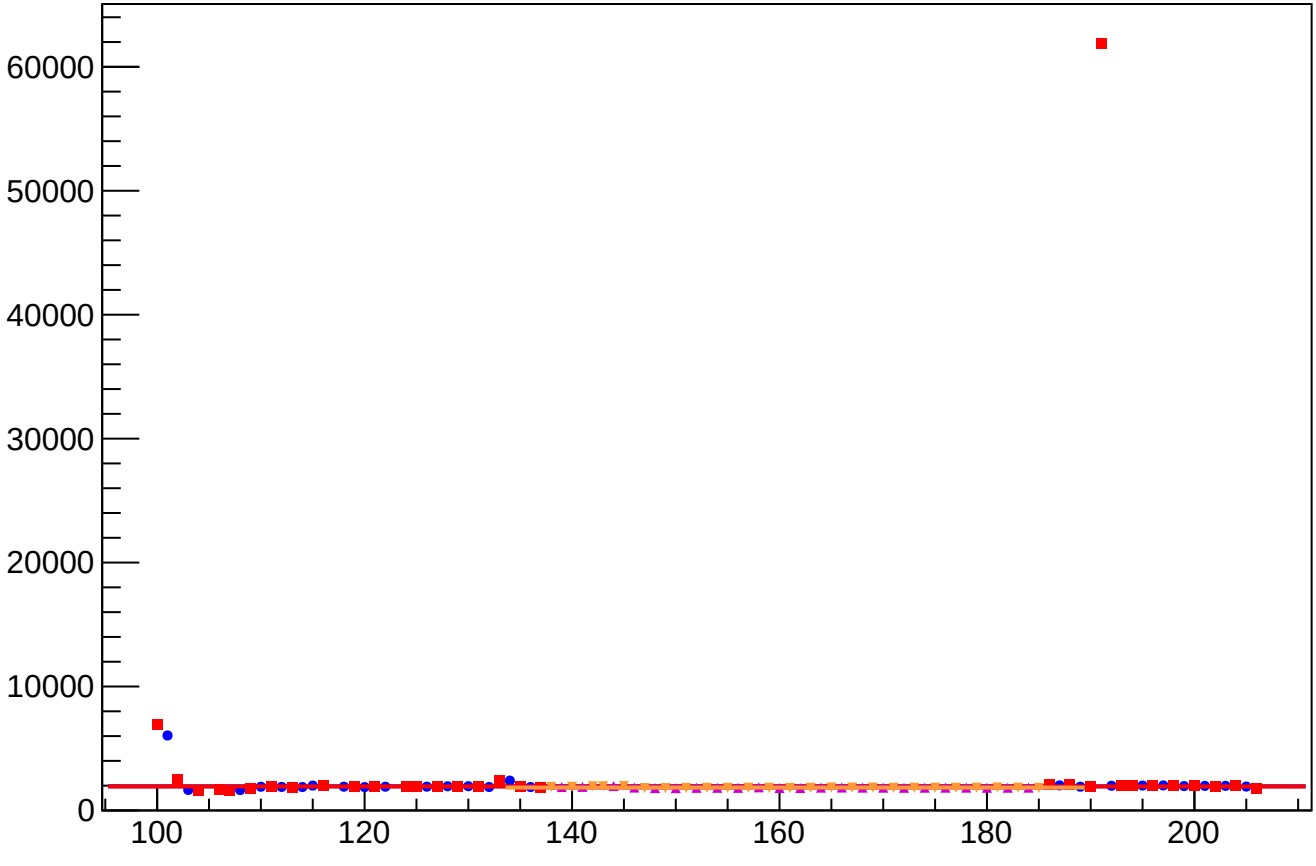
Right: 2490.725+/-357.148 χ^2/NDF: 40.4/55

In: 2849.293+/-333.122 χ^2/NDF:41.8/47

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2380.318+/-230.052 χ^2/NDF: 99.9/103

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

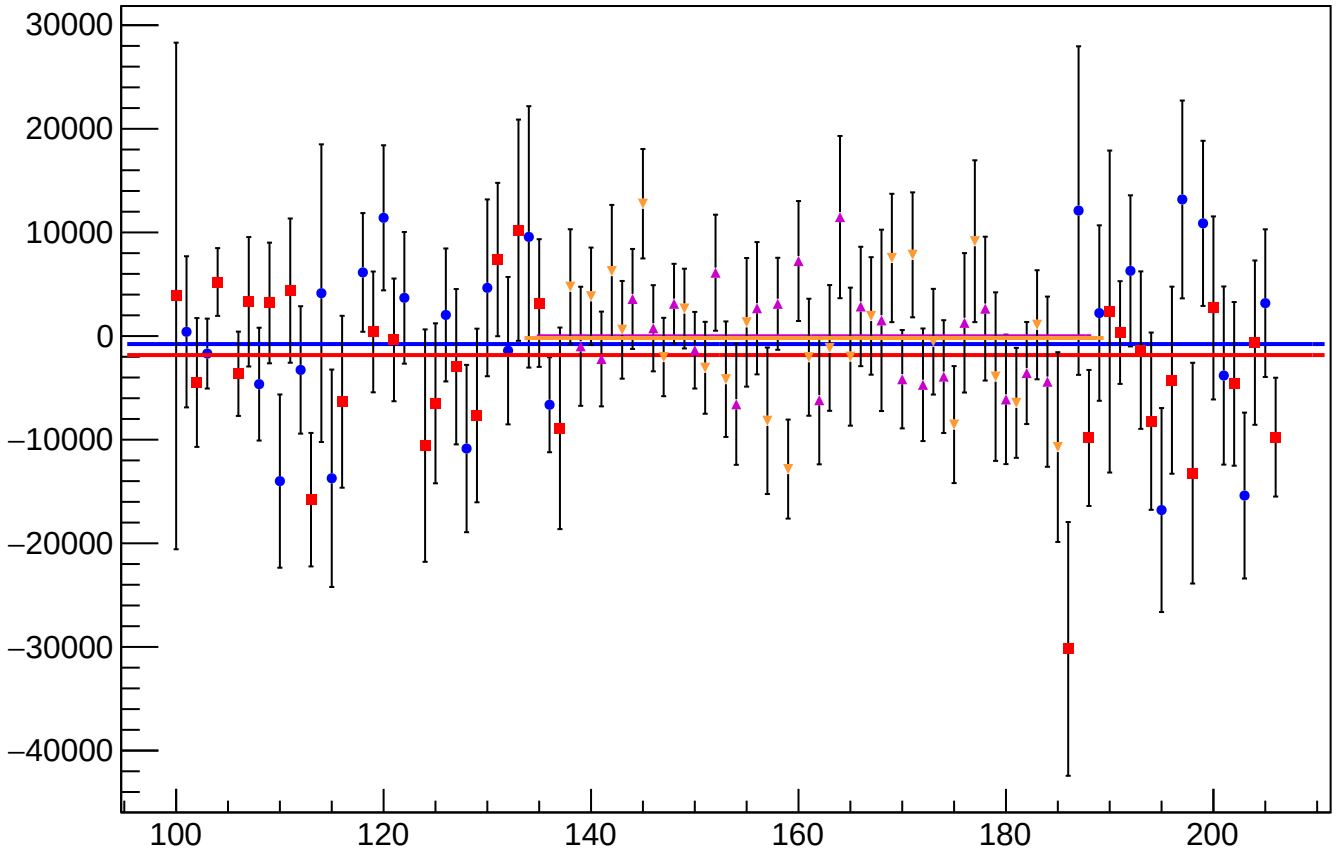
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1942.788+/-0.252 χ^2/NDF: 1115587.0/55

In: 1886.384+/-0.236 χ^2/NDF:766940.5/47

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1886.666+/-0.163 χ^2/NDF: 1235067.8/10



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1833.465+/-1215.721 χ^2/NDF: 29.2/30

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

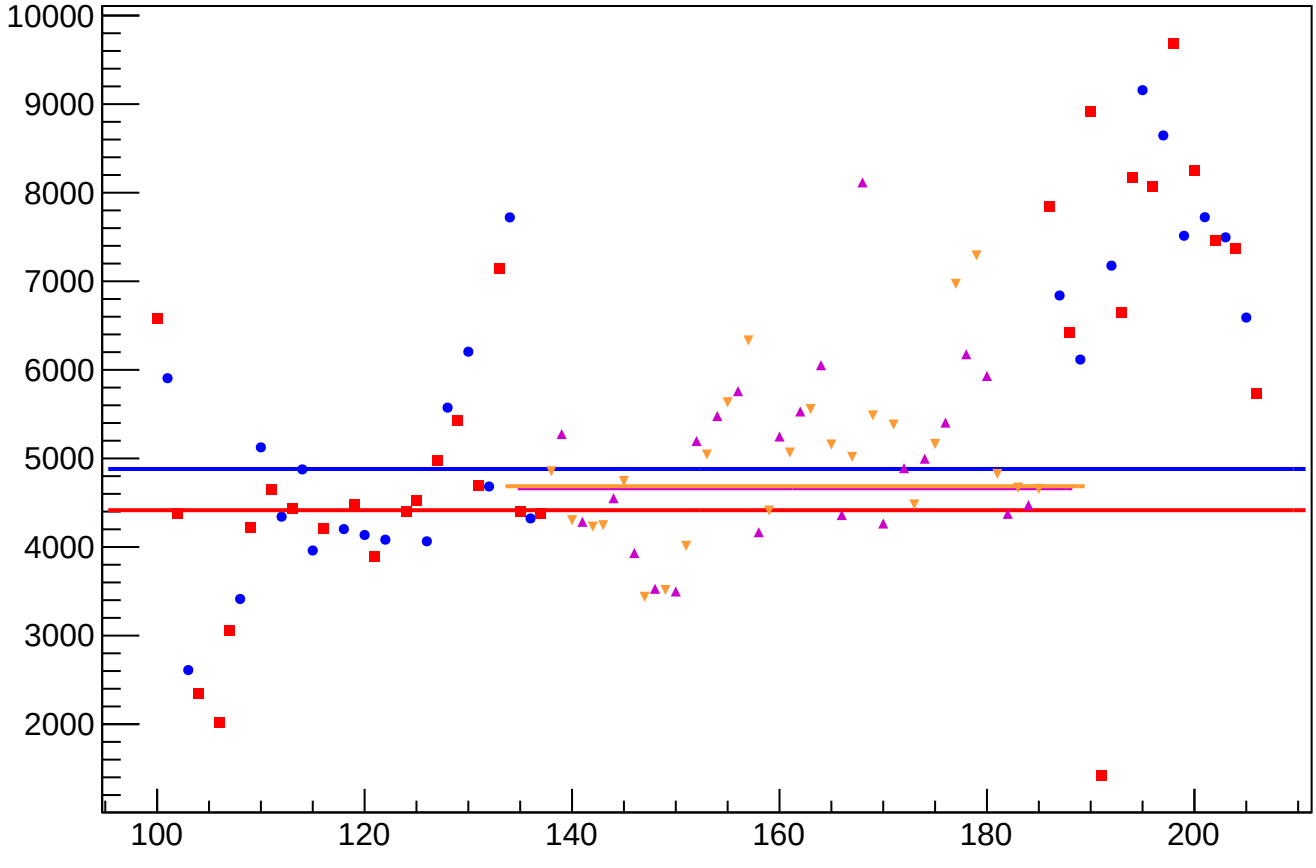
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1372.462+/-913.980 χ^2/NDF: 56.3/55

In: -314.776+/-867.645 χ^2/NDF:40.7/47

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -638.361+/-592.476 χ^2/NDF: 100.1/103



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

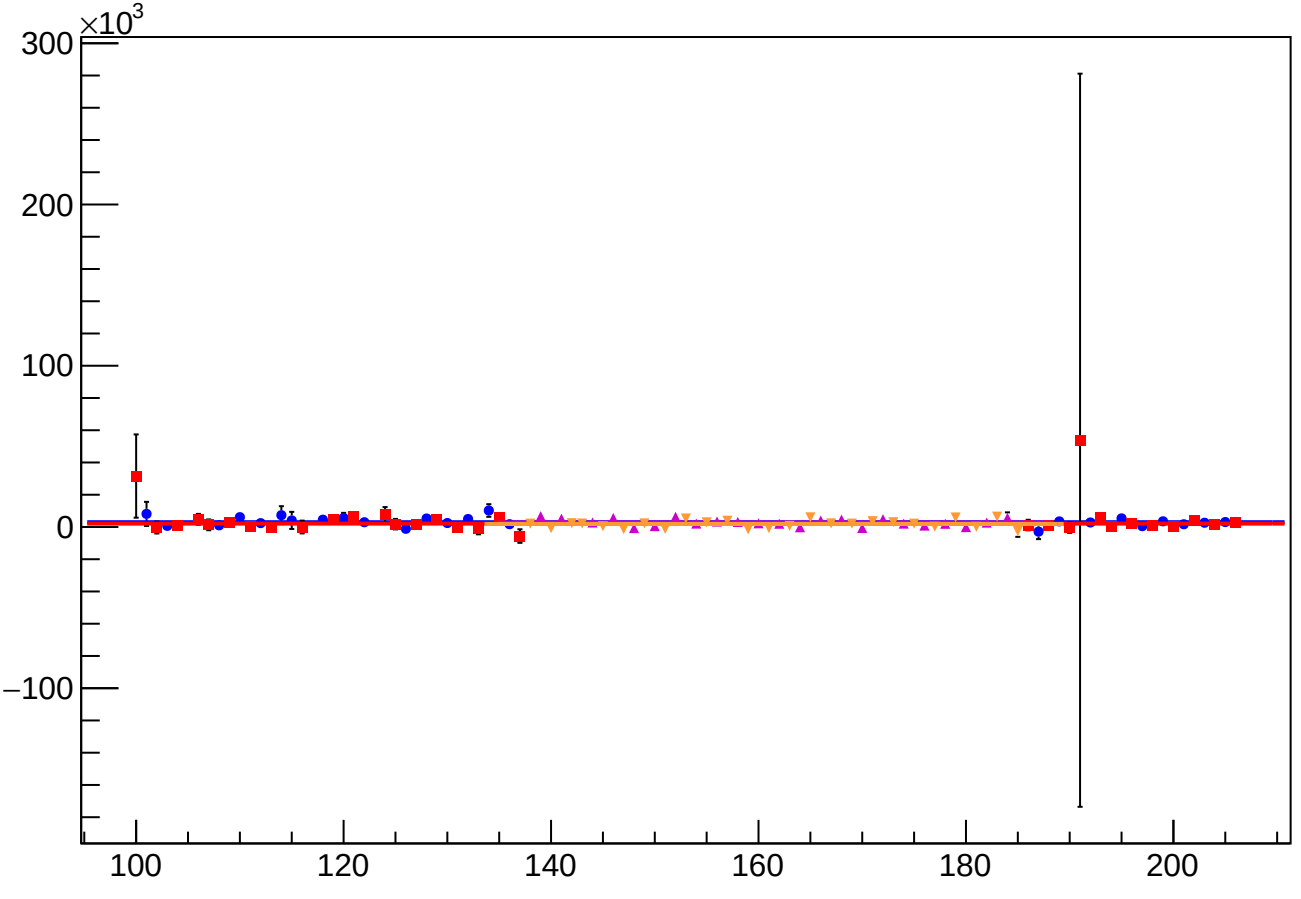
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4617.925+/-0.646 χ^2/NDF: 8764070.8/55

In: 4748.540+/-0.614 χ^2/NDF:4476085.3/47

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4651.052+/-0.419 χ^2/NDF: 11240853.5/



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2088.350+/-487.091 χ^2/NDF: 22.6/30

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

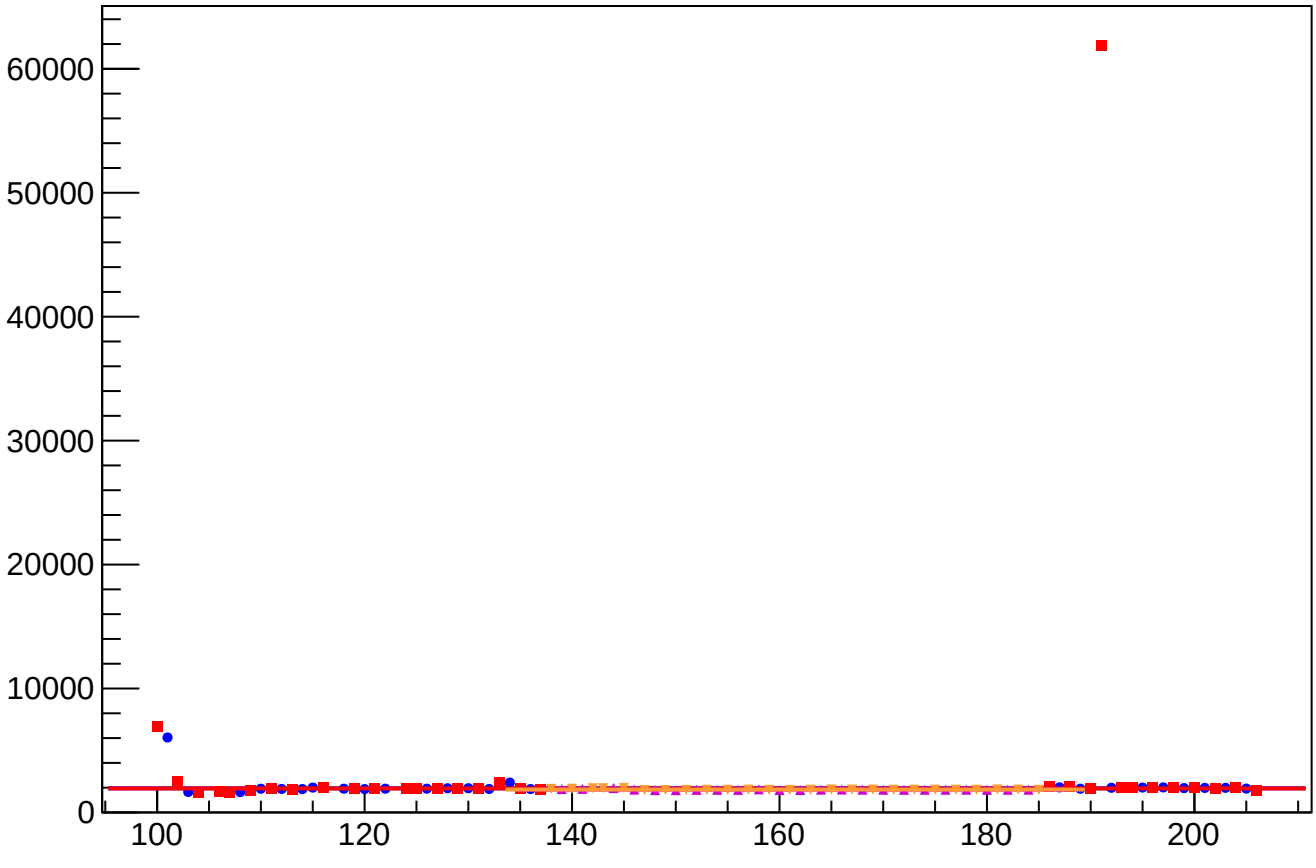
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2490.725+/-357.148 χ^2/NDF: 40.4/55

In: 2849.293+/-333.122 χ^2/NDF:41.8/47

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2380.318+/-230.052 χ^2/NDF: 99.9/103



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

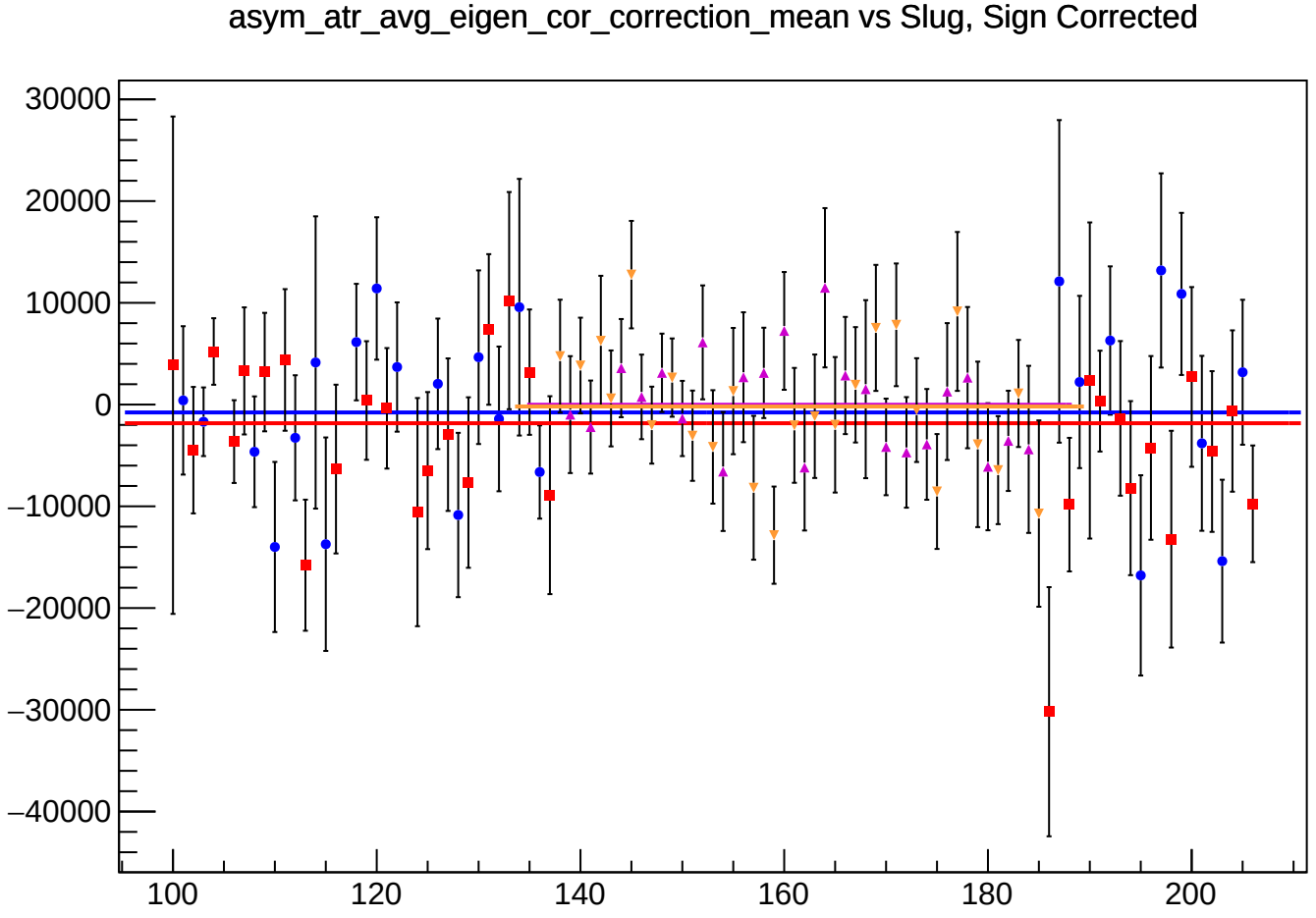
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1942.788+/-0.252 χ^2/NDF: 1115587.0/55

In: 1886.384+/-0.236 χ^2/NDF:766940.5/47

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1886.666+/-0.163 χ^2/NDF: 1235067.8/10



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1833.465+/-1215.721 χ^2/NDF: 29.2/30

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

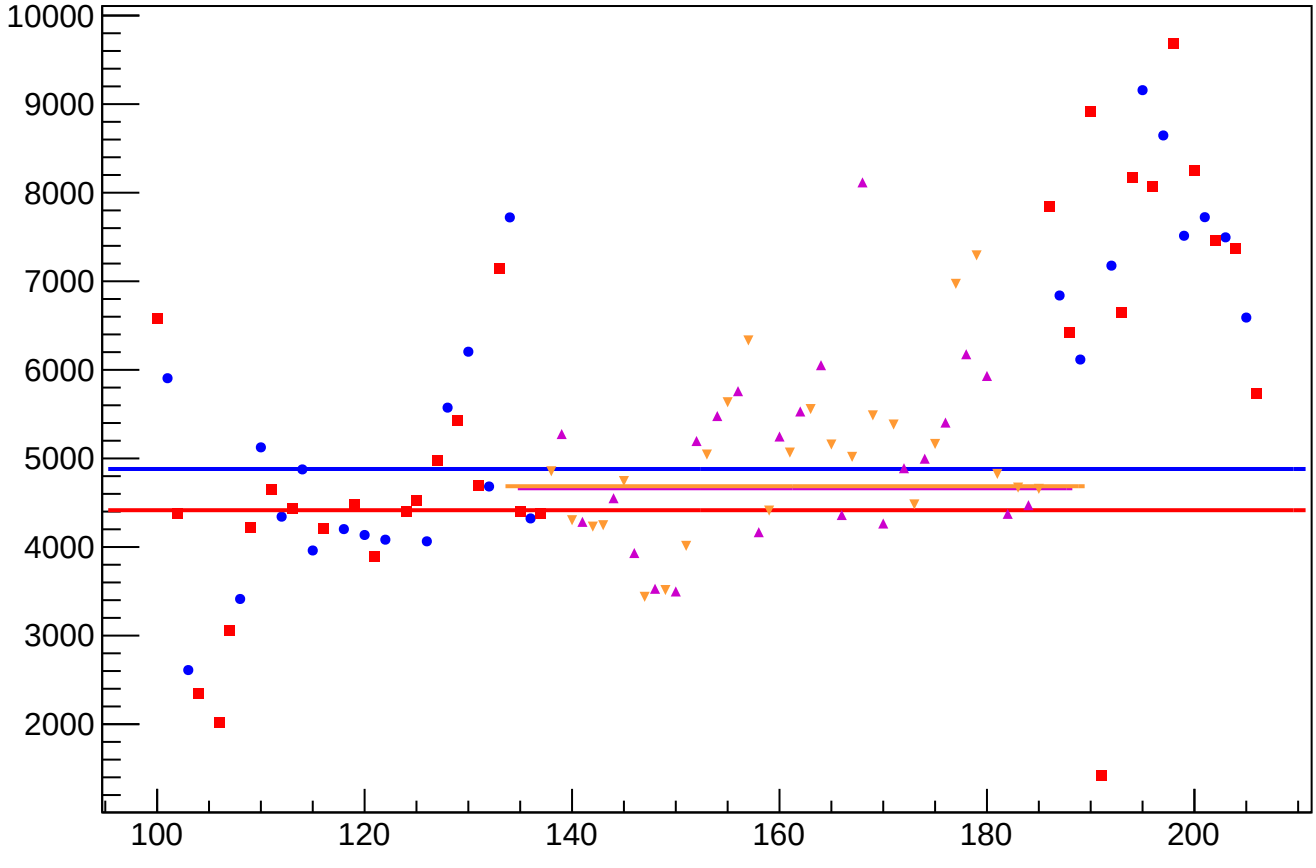
Right: -1372.462+/-913.980 χ^2/NDF: 56.3/55

In: -314.776+/-867.645 χ^2/NDF:40.7/47

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -638.361+/-592.476 χ^2/NDF: 100.1/103

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

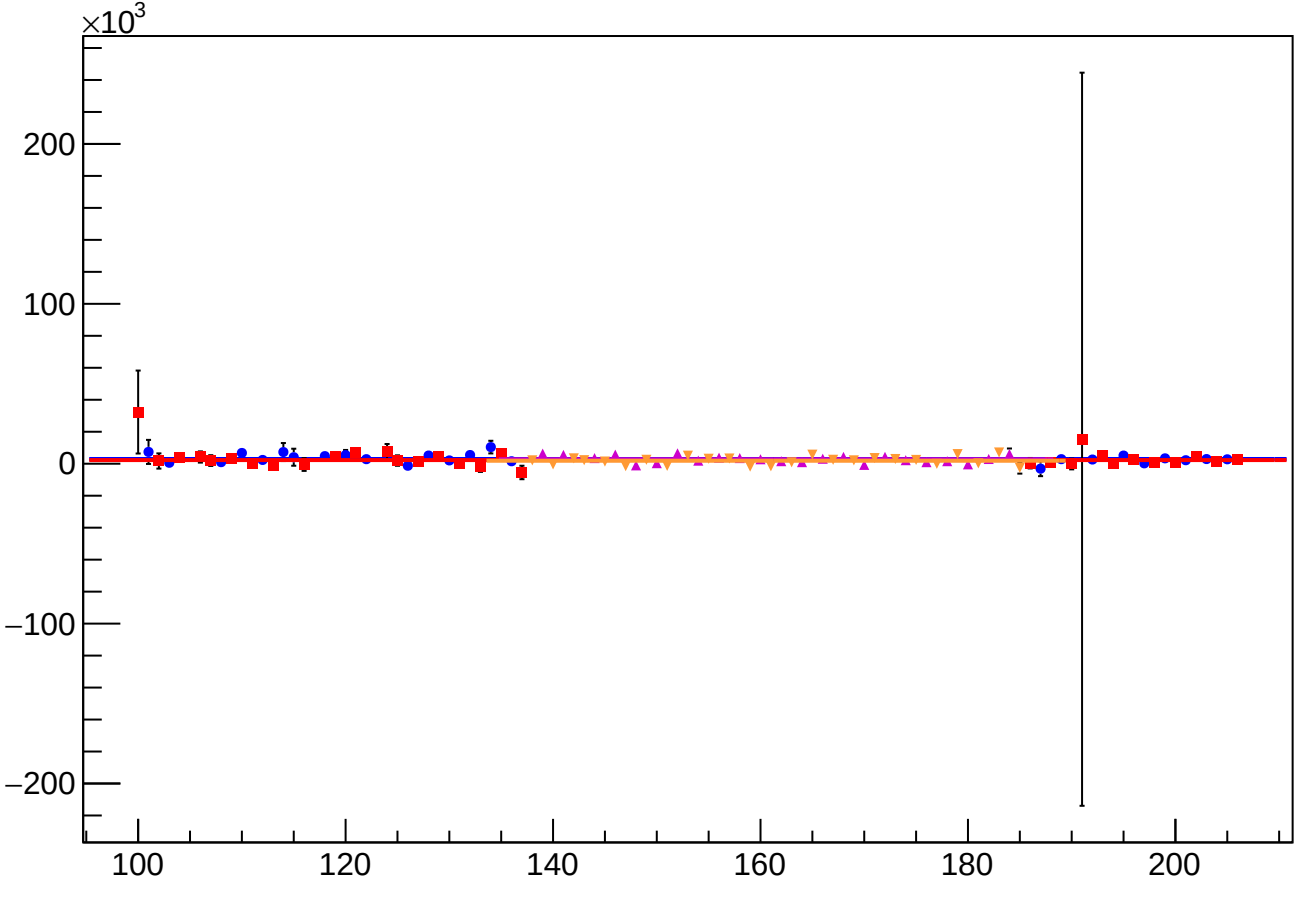
Right: 4617.925+/-0.646 χ^2/NDF: 8764070.8/55

In: 4748.540+/-0.614 χ^2/NDF:4476085.3/47

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4651.052+/-0.419 χ^2/NDF: 11240853.5/1

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2278.225+/-498.552 χ^2/NDF: 23.4/30

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

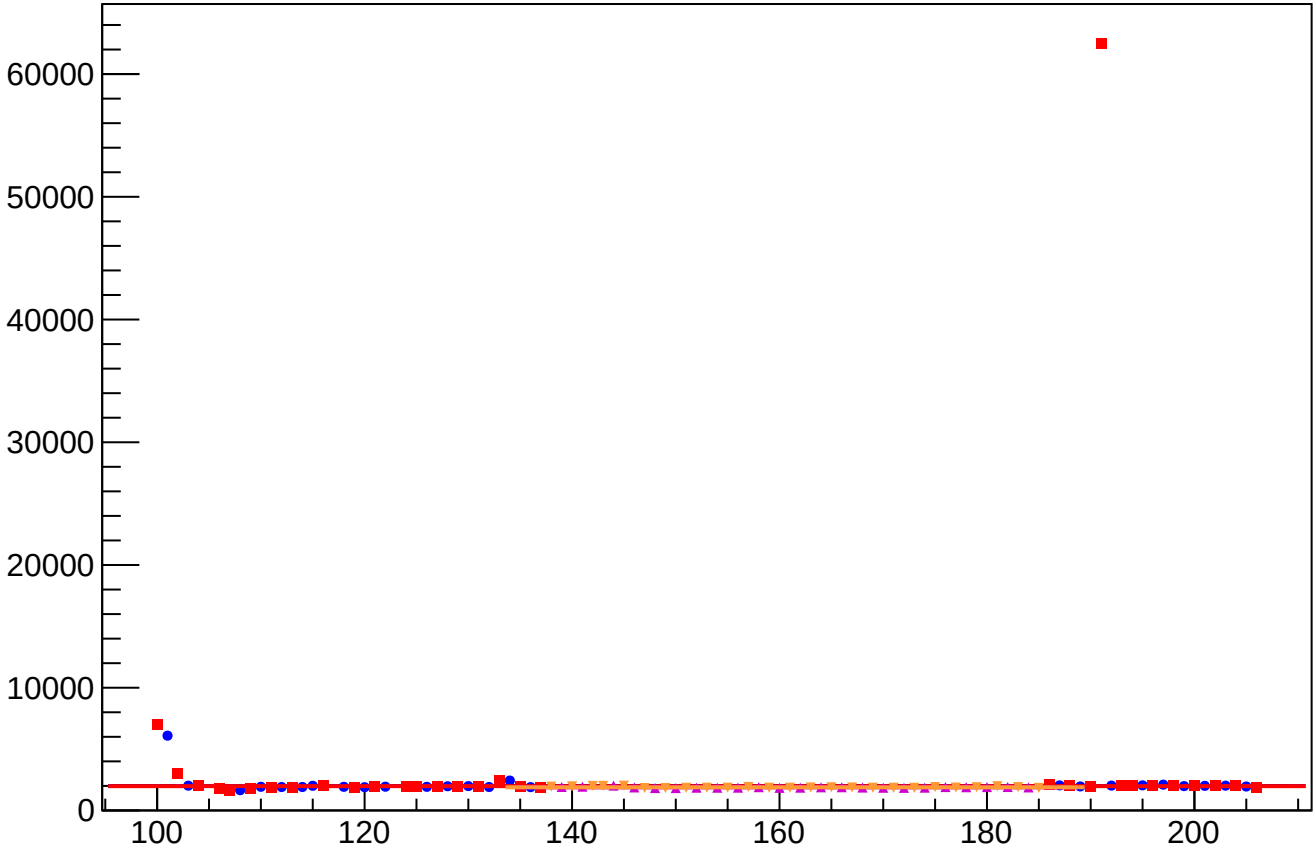
Right: 2591.633+/-365.412 χ^2/NDF: 40.8/55

In: 2861.349+/-340.025 χ^2/NDF:42.0/47

Out: 2049.942+/-325.174 χ^2/NDF:56.7/55

All: 2437.539+/-235.008 χ^2/NDF: 101.7/103

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1992.835+/-0.380 χ^2/NDF: 674407.3/24

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.9/30

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

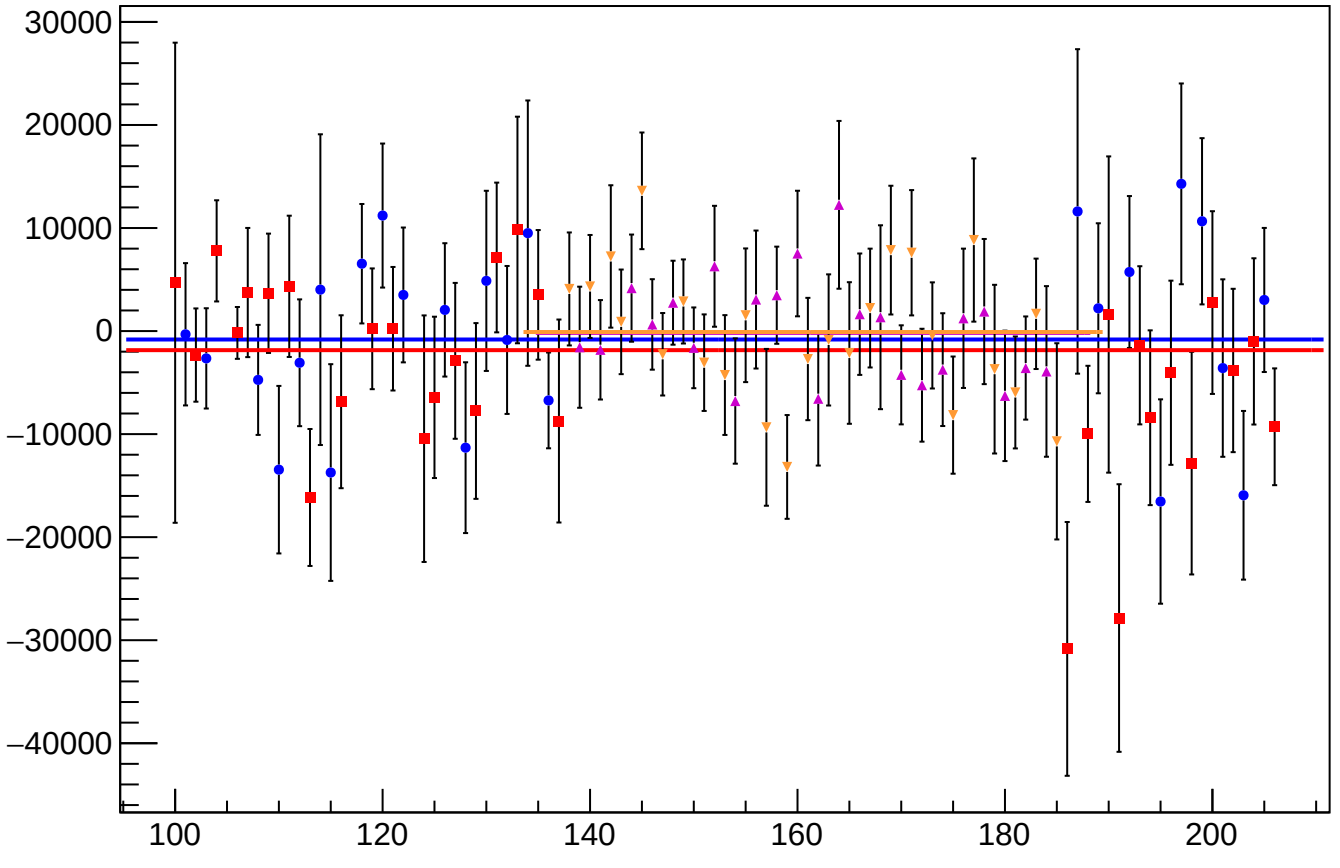
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1985.843+/-0.258 χ^2/NDF: 1106898.8/55

In: 1925.560+/-0.240 χ^2/NDF:745796.1/47

Out: 1926.820+/-0.230 χ^2/NDF:503205.2/55

All: 1926.218+/-0.166 χ^2/NDF: 1249015.7/10



Right In: -818.391+/-1455.243 χ^2/NDF: 26.6/24

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1852.152+/-1191.344 χ^2/NDF: 32.2/30

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

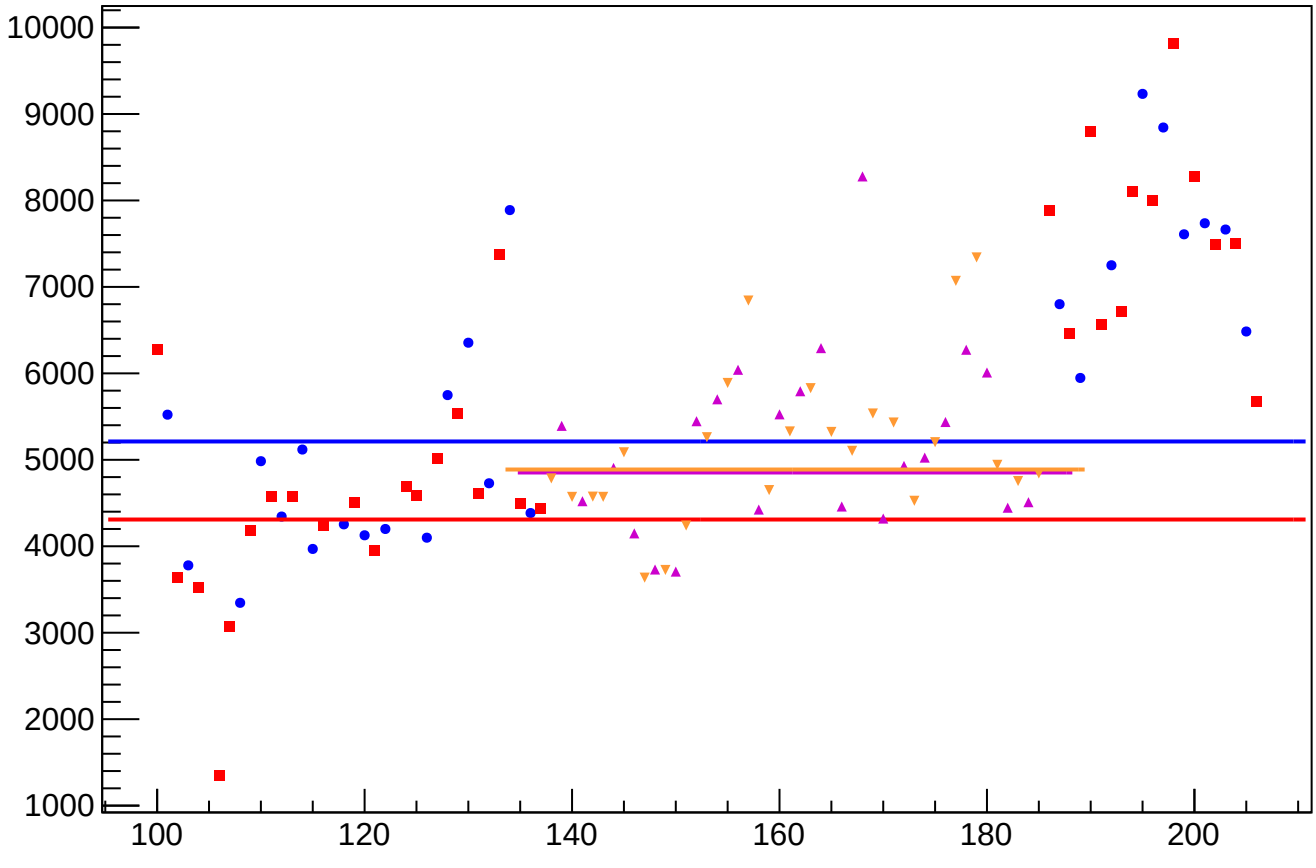
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -1437.337+/-921.835 χ^2/NDF: 59.2/55

In: -425.246+/-905.194 χ^2/NDF:40.3/47

Out: -928.045+/-821.092 χ^2/NDF:61.5/55

All: -701.083+/-608.164 χ^2/NDF: 102.0/103



Right In: 5212.246+/-1.029 χ^2/NDF: 2292587.1/24

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4309.400+/-0.842 χ^2/NDF: 6425774.1/30

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

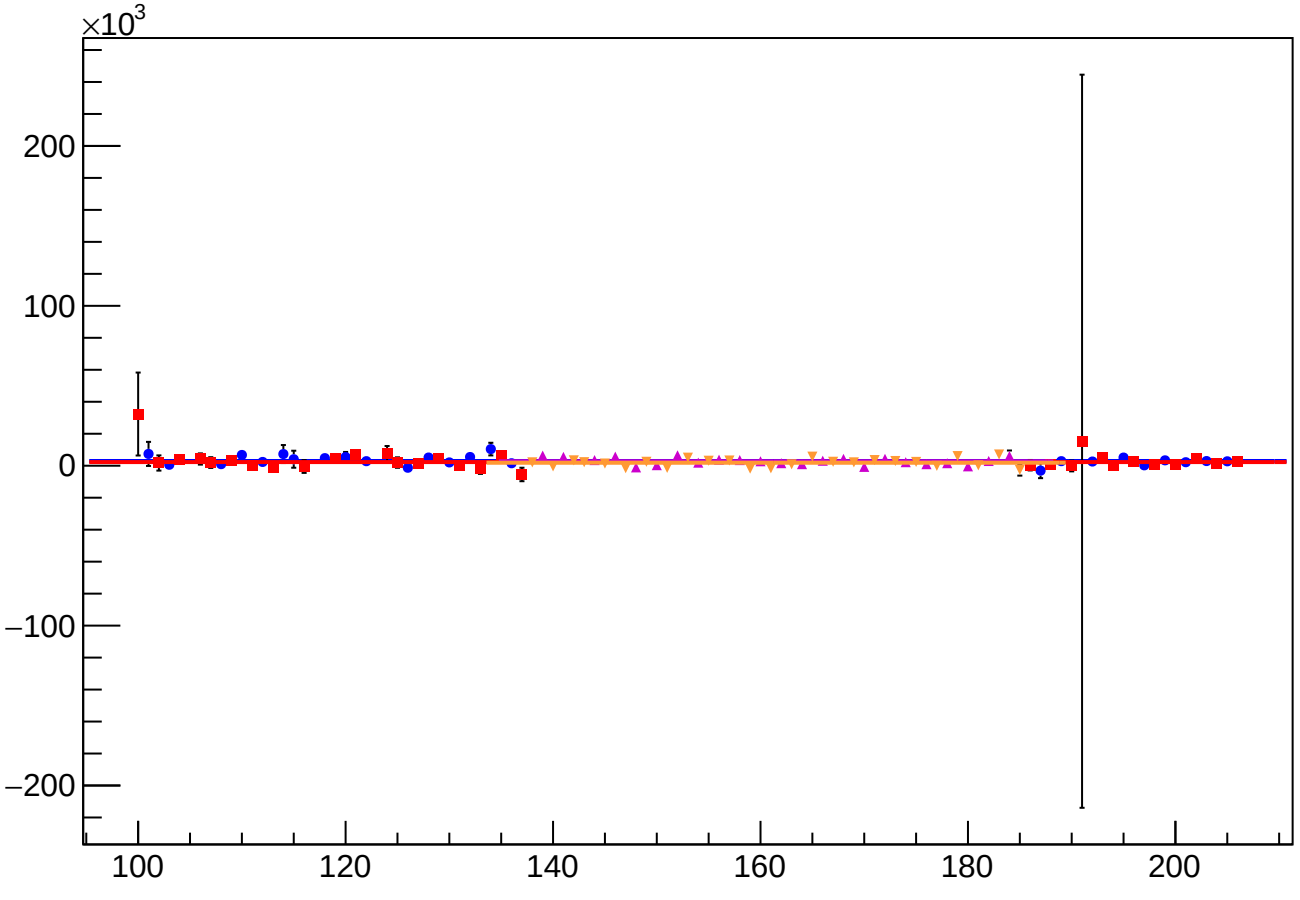
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4671.683+/-0.652 χ^2/NDF: 9179273.2/55

In: 4992.219+/-0.640 χ^2/NDF:3545797.7/47

Out: 4613.062+/-0.581 χ^2/NDF:7736582.1/55

All: 4784.212+/-0.430 χ^2/NDF: 11474885.6/



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2278.224+/-498.552 χ^2/NDF: 23.4/30

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

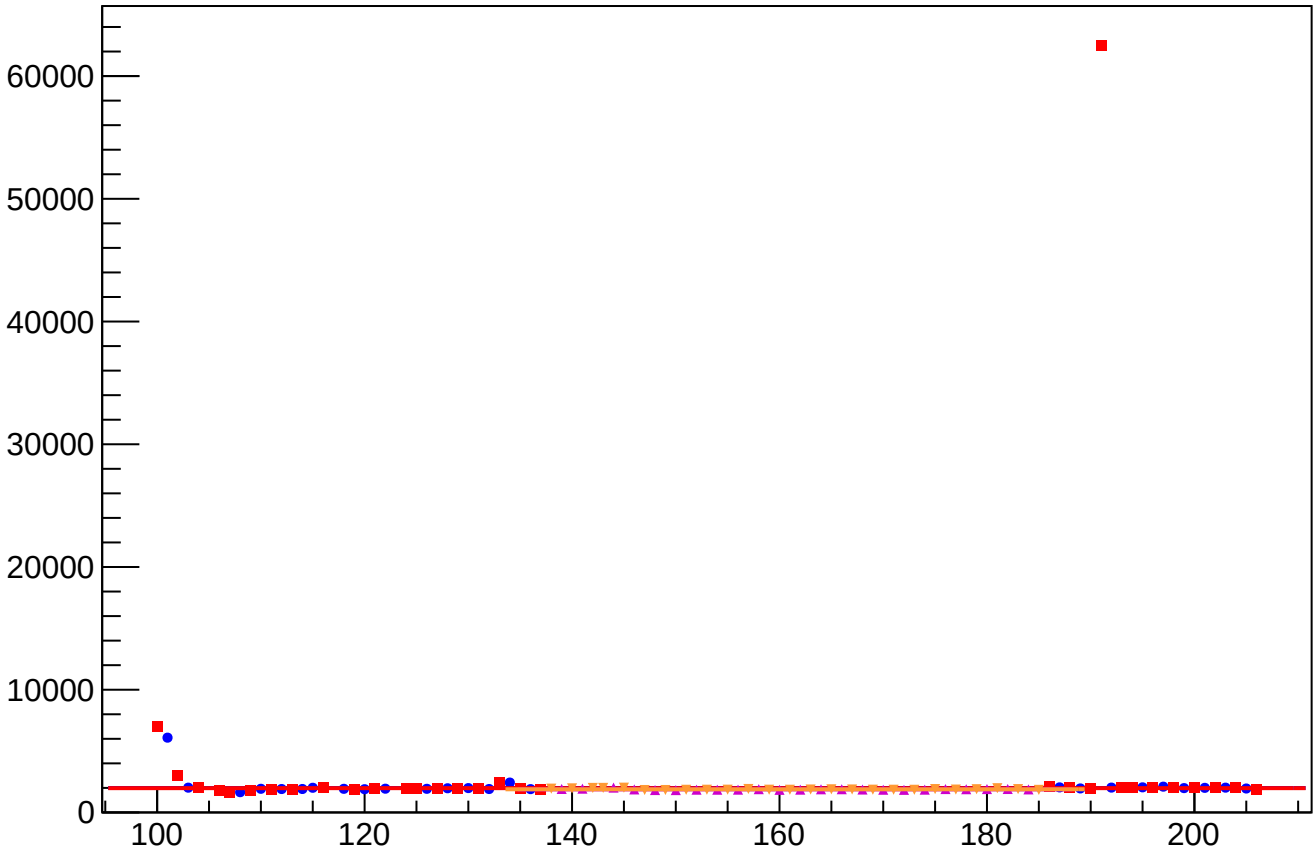
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2591.633+/-365.412 χ^2/NDF: 40.8/55

In: 2861.349+/-340.025 χ^2/NDF:42.0/47

Out: 2049.939+/-325.174 χ^2/NDF:56.7/55

All: 2437.538+/-235.008 χ^2/NDF: 101.7/103



Right In: 1992.834+/-0.380 χ^2/NDF: 674407.4/24

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.5/30

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

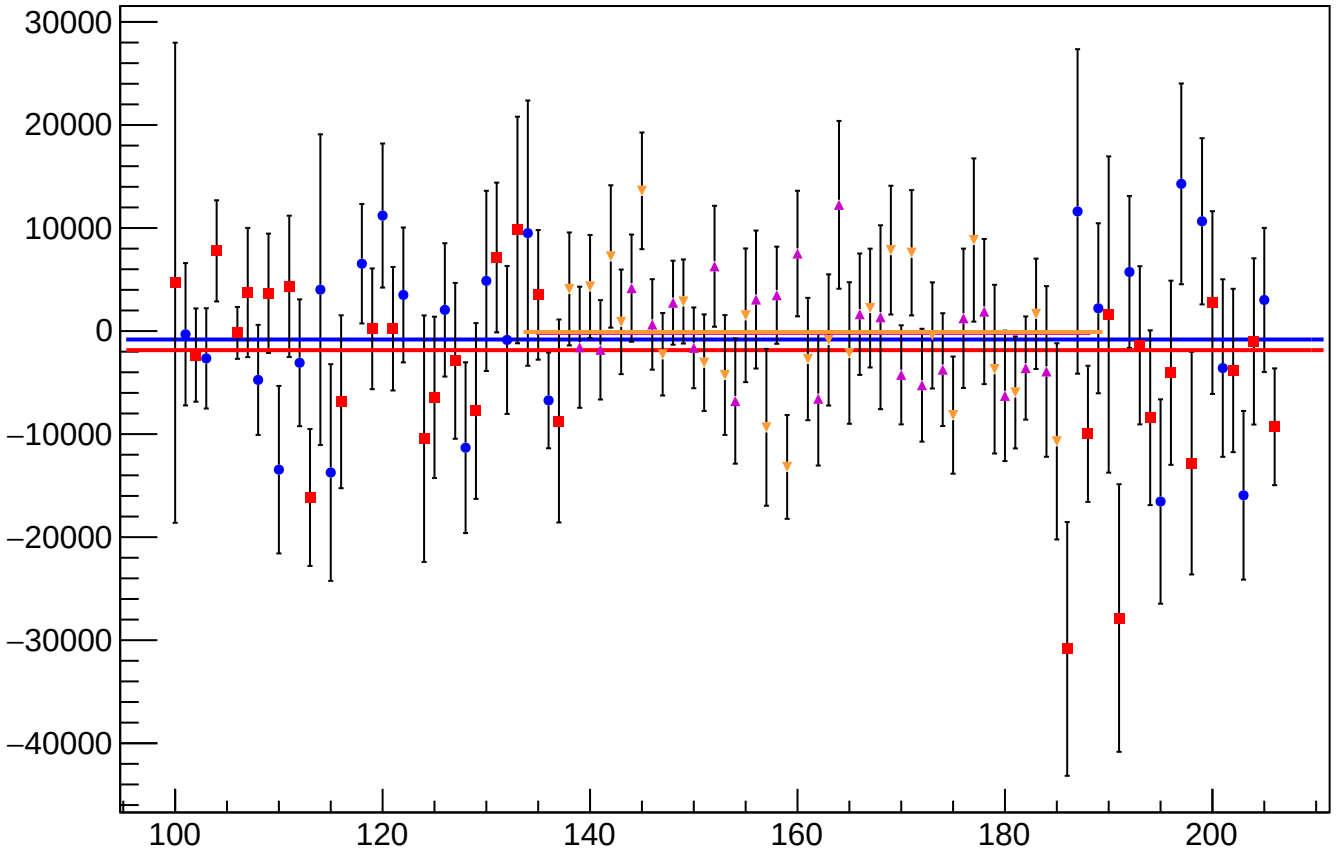
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1985.842+/-0.258 χ^2/NDF: 1106898.5/55

In: 1925.560+/-0.240 χ^2/NDF:745795.4/47

Out: 1926.820+/-0.230 χ^2/NDF:503204.3/55

All: 1926.218+/-0.166 χ^2/NDF: 1249014.0/10



Right In: -818.380+/-1455.242 χ^2/NDF: 26.6/24

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1852.147+/-1191.342 χ^2/NDF: 32.2/30

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

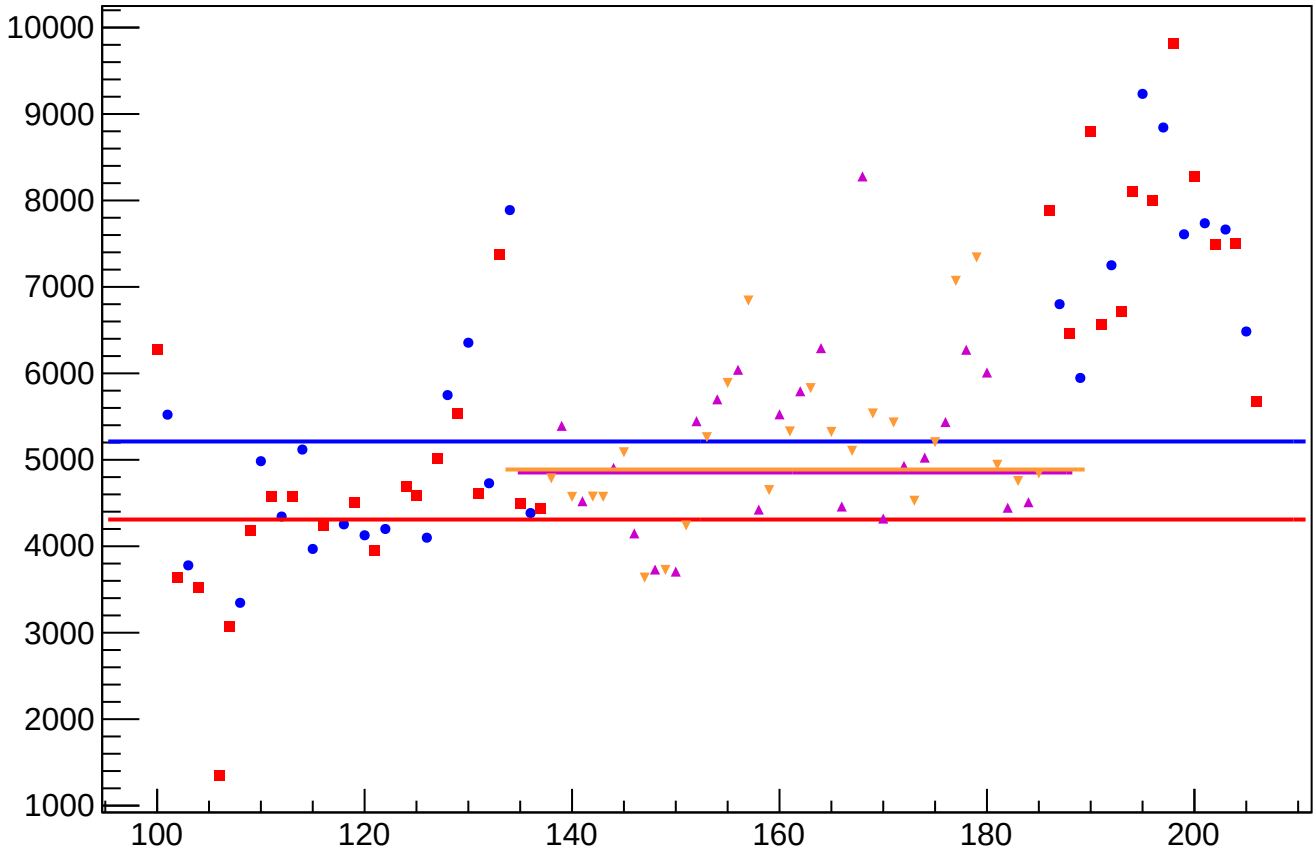
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1437.329+/-921.834 χ^2/NDF: 59.2/55

In: -425.244+/-905.195 χ^2/NDF:40.3/47

Out: -928.047+/-821.092 χ^2/NDF:61.5/55

All: -701.083+/-608.165 χ^2/NDF: 102.0/103



Right In: 5212.240+/-1.029 χ^2/NDF: 2292603.1/24

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4309.391+/-0.842 χ^2/NDF: 6425807.3/30

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

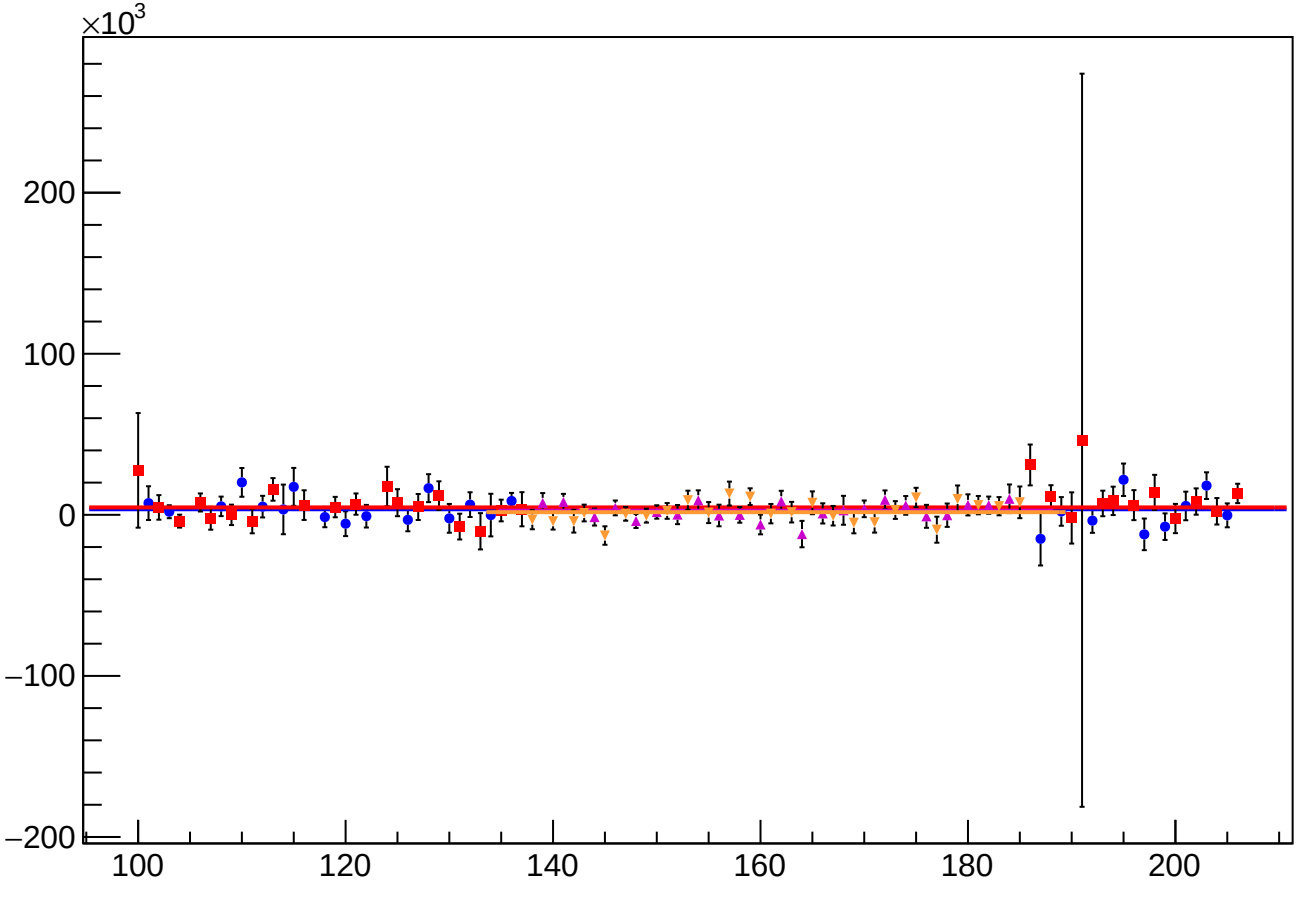
Right: 4671.675+/-0.652 χ^2/NDF: 9179326.5/55

In: 4992.222+/-0.640 χ^2/NDF:3545810.7/47

Out: 4613.061+/-0.581 χ^2/NDF:7736631.0/55

All: 4784.213+/-0.430 χ^2/NDF: 11474951.1/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3468.720+/-1526.695 χ^2/NDF: 25.6/24

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4603.560+/-1404.137 χ^2/NDF: 26.1/30

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

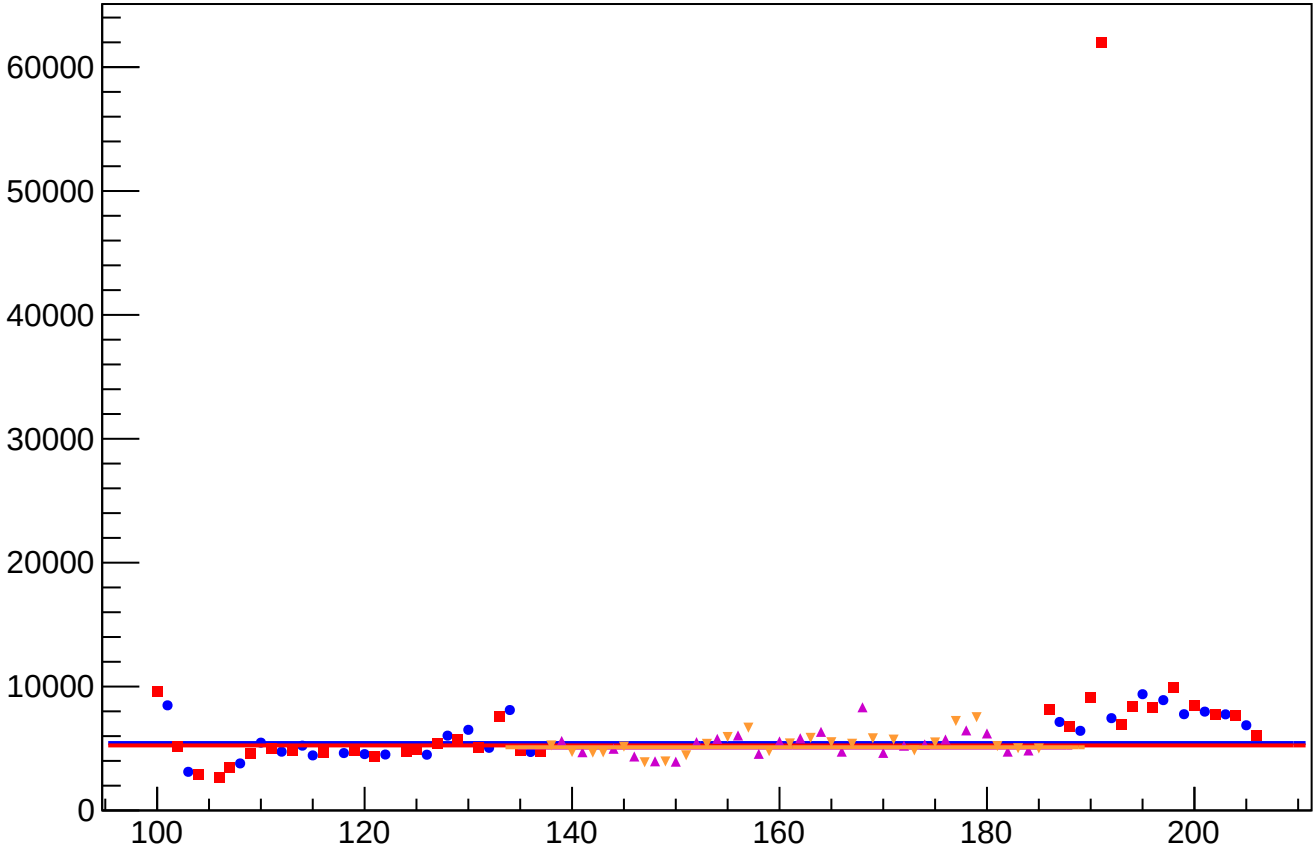
Right: 4083.512+/-1033.491 χ^2/NDF: 52.0/55

In: 2910.834+/-945.604 χ^2/NDF:41.7/47

Out: 2873.584+/-902.760 χ^2/NDF:54.7/55

All: 2891.346+/-652.969 χ^2/NDF: 96.4/103

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5439.752+/-1.080 χ^2/NDF: 2610700.1/24

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5249.680+/-0.987 χ^2/NDF: 3579976.7/30

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

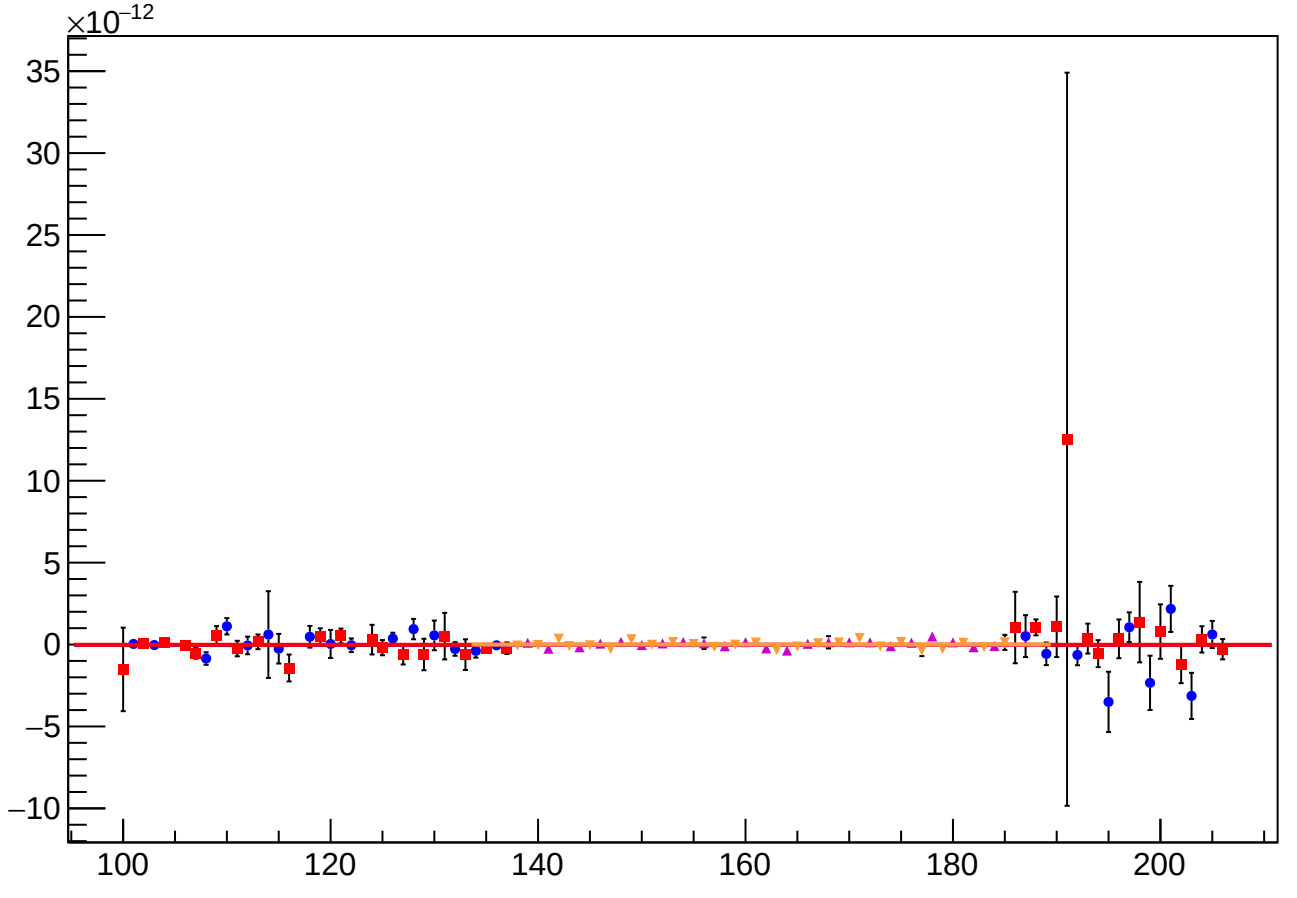
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5336.202+/-0.728 χ^2/NDF: 6207565.4/55

In: 5214.032+/-0.669 χ^2/NDF:3673544.6/47

Out: 5162.692+/-0.637 χ^2/NDF:4502621.3/55

All: 5187.107+/-0.461 χ^2/NDF: 8179257.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/30

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

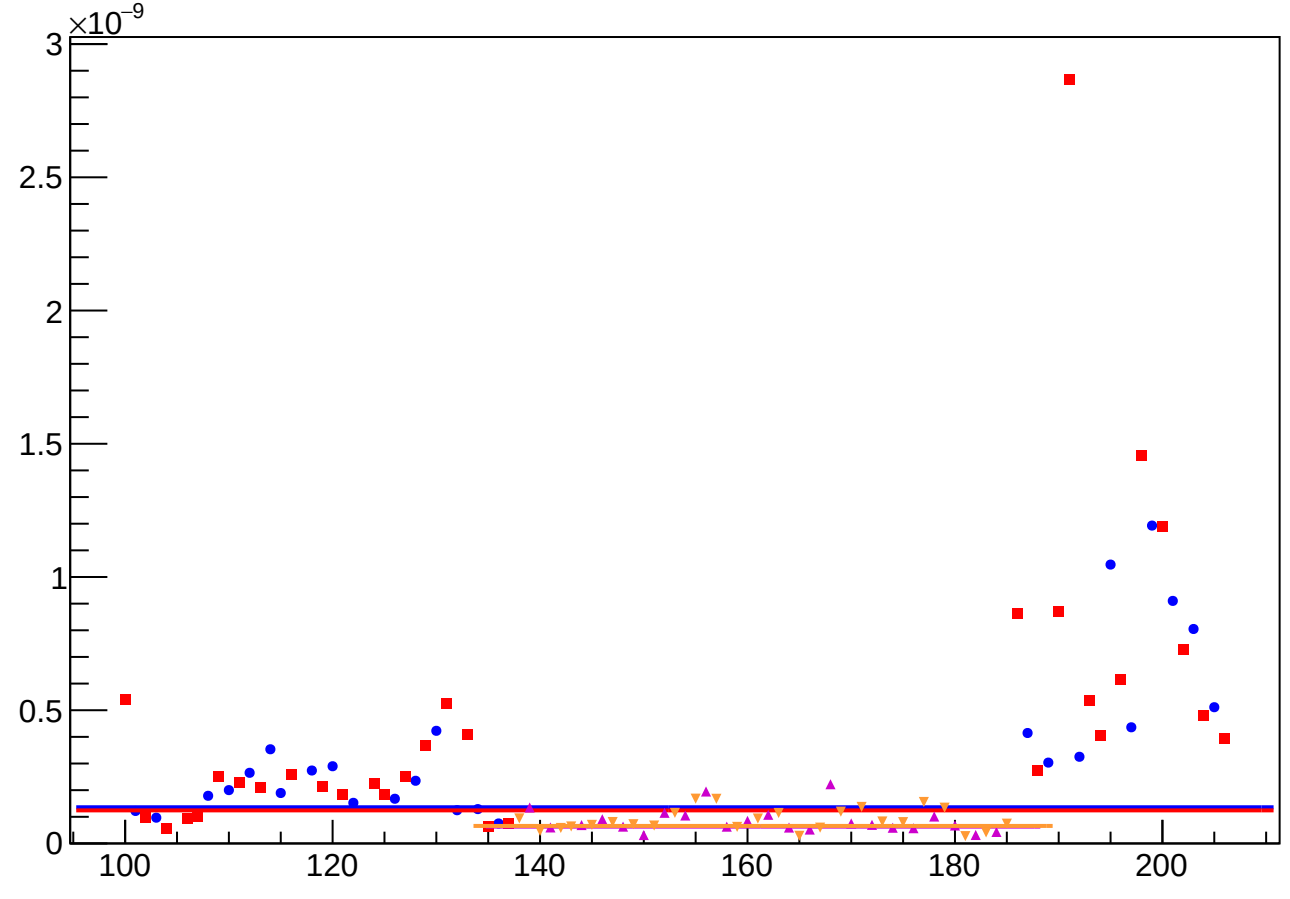
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.0/55

In: -0.000+/-0.000 χ^2/NDF:64.9/47

Out: -0.000+/-0.000 χ^2/NDF:56.7/55

All: -0.000+/-0.000 χ^2/NDF: 122.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 4609504.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6546628.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

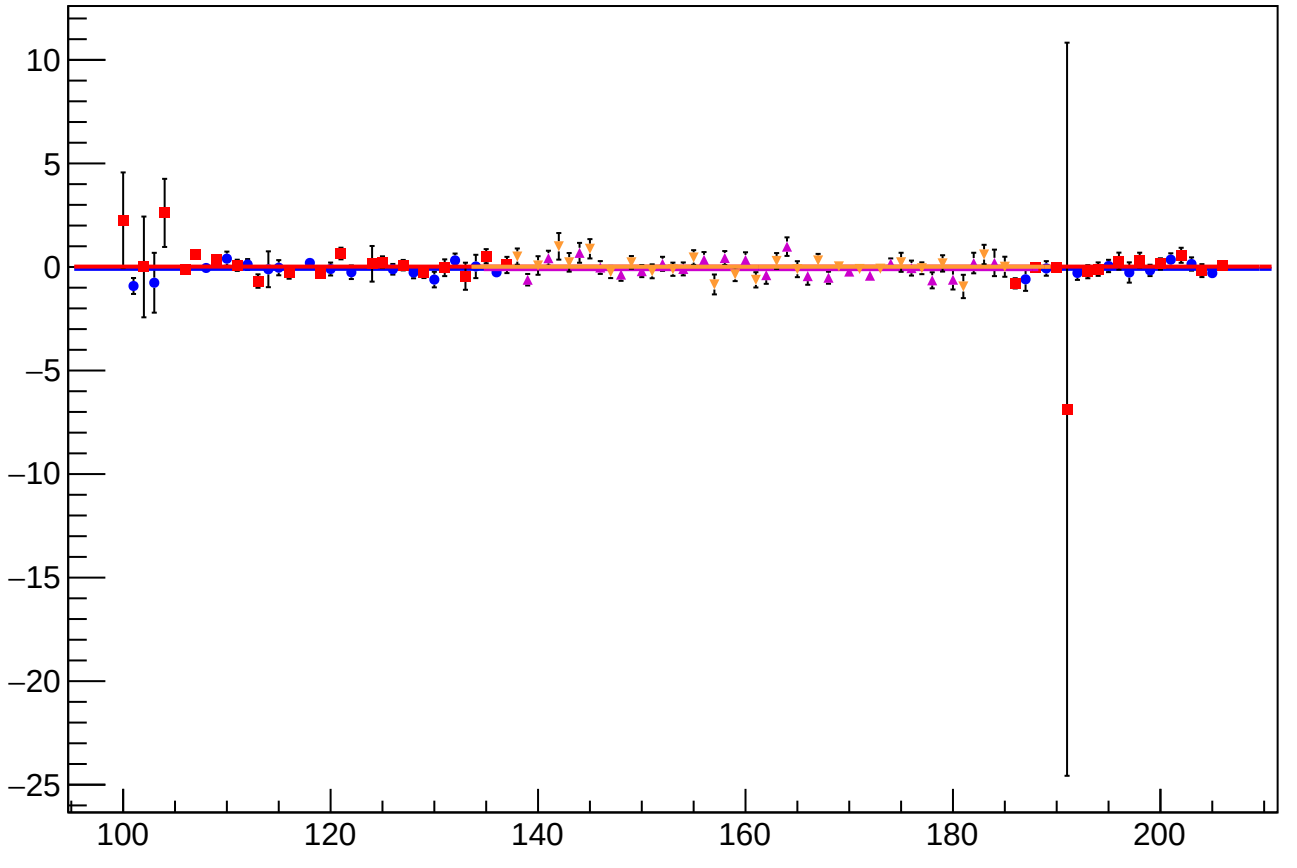
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11182542.7/55

In: 0.000+/-0.000 χ^2/NDF:8520608.8/47

Out: 0.000+/-0.000 χ^2/NDF:10218507.2/55

All: 0.000+/-0.000 χ^2/NDF: 18742139.4/103



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

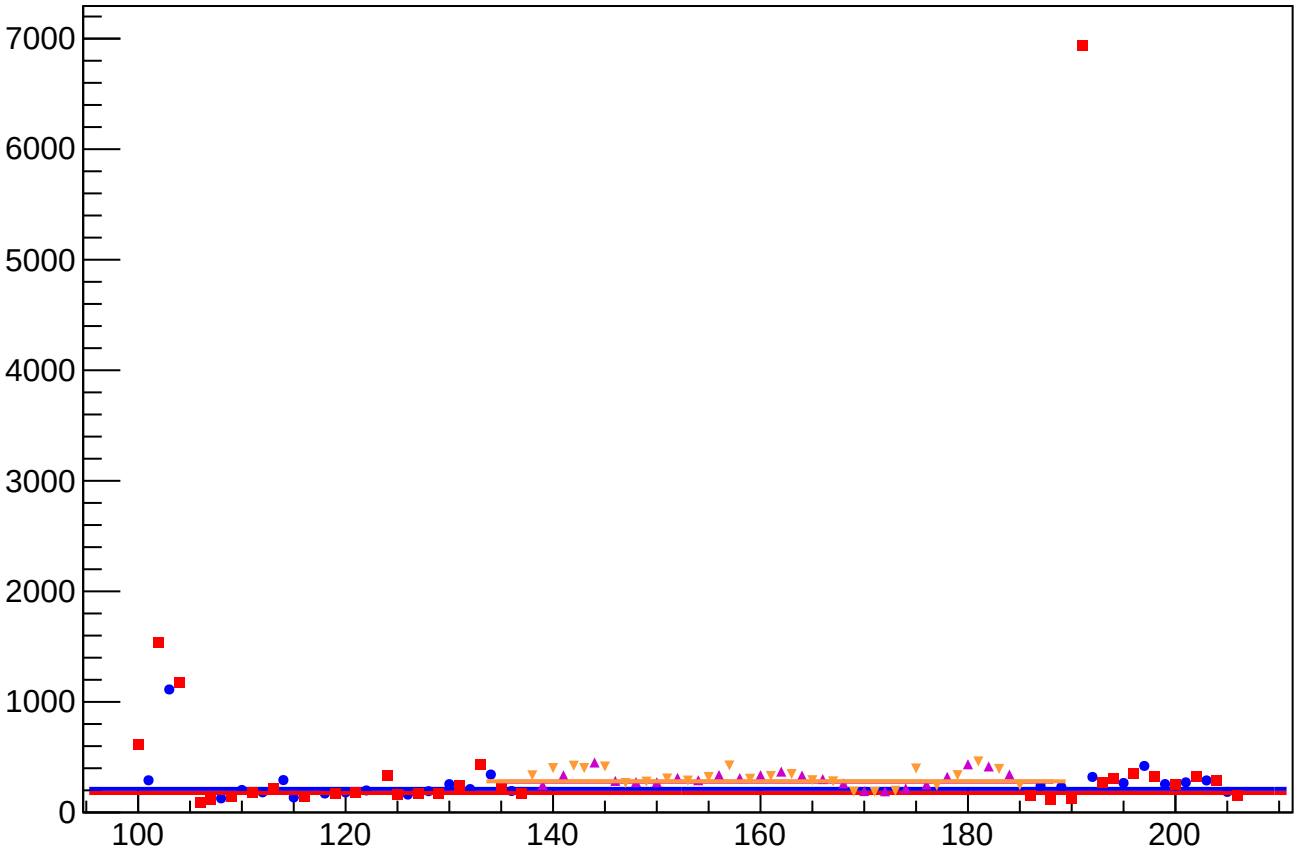
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.025+/-0.039 χ^2/NDF: 65.8/55

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.033+/-0.030 χ^2/NDF: 124.1/103



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

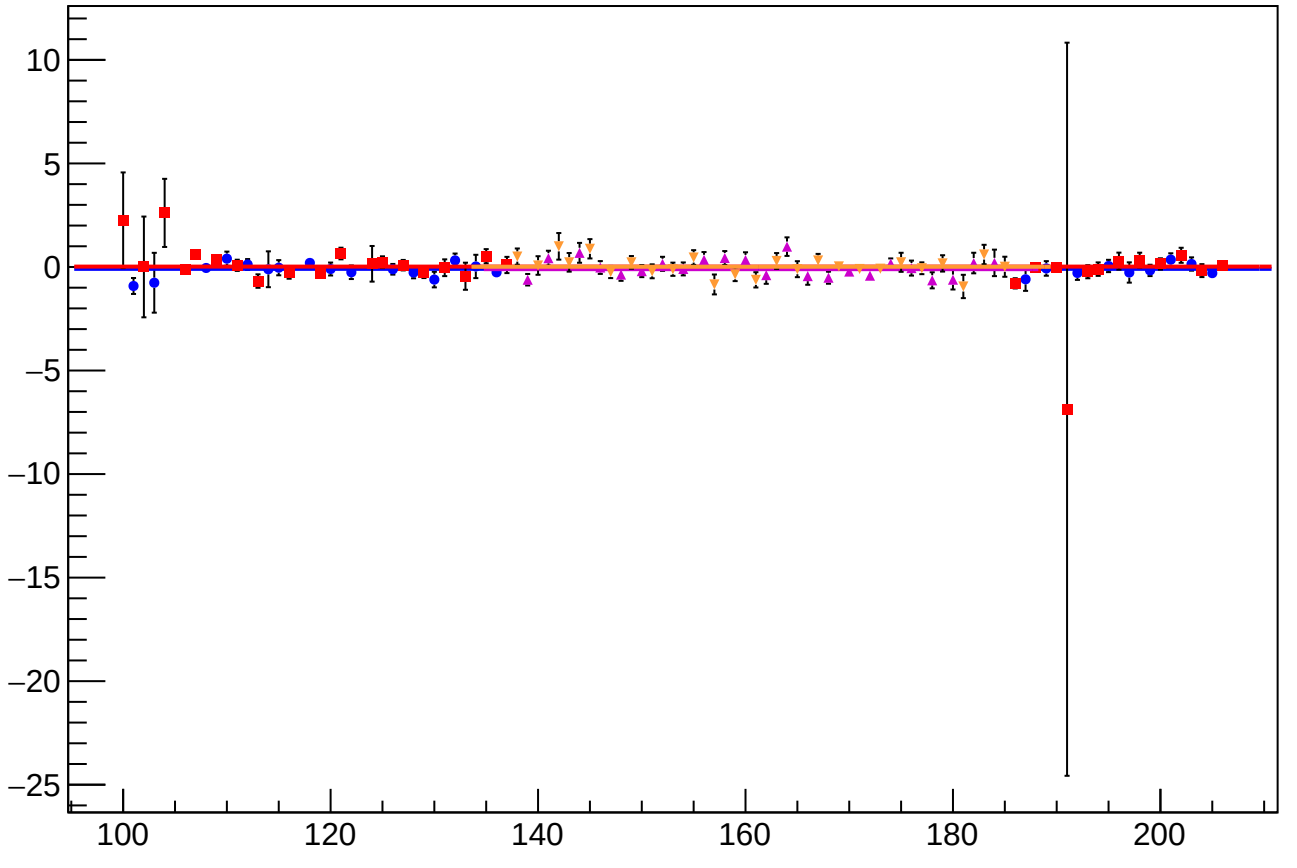
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.666+/-0.028 χ^2/NDF: 8470475.0/55

In: 242.681+/-0.033 χ^2/NDF:5346597.9/47

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 226.024+/-0.021 χ^2/NDF: 16941290.8/10



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

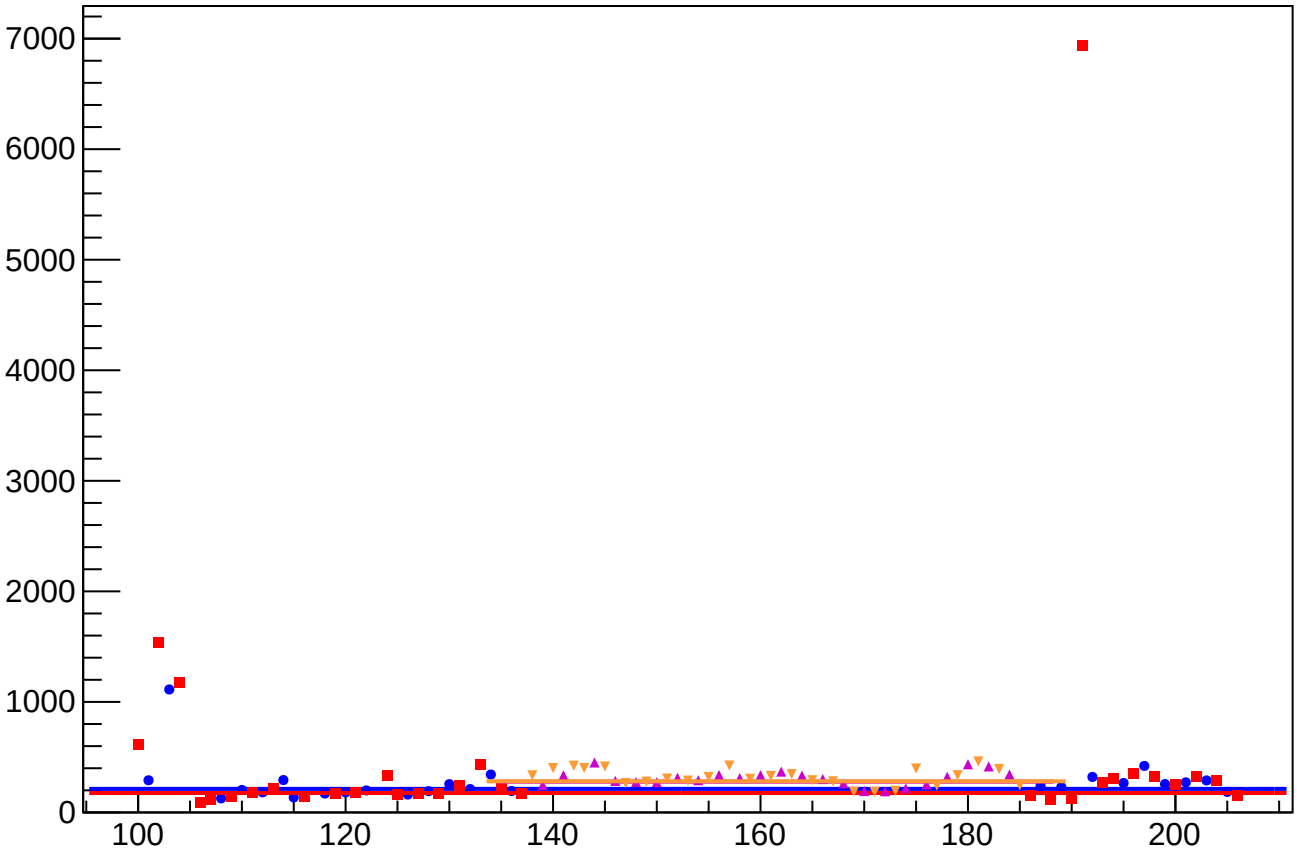
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.025+/-0.039 χ^2/NDF: 65.8/55

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.033+/-0.030 χ^2/NDF: 124.1/103



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

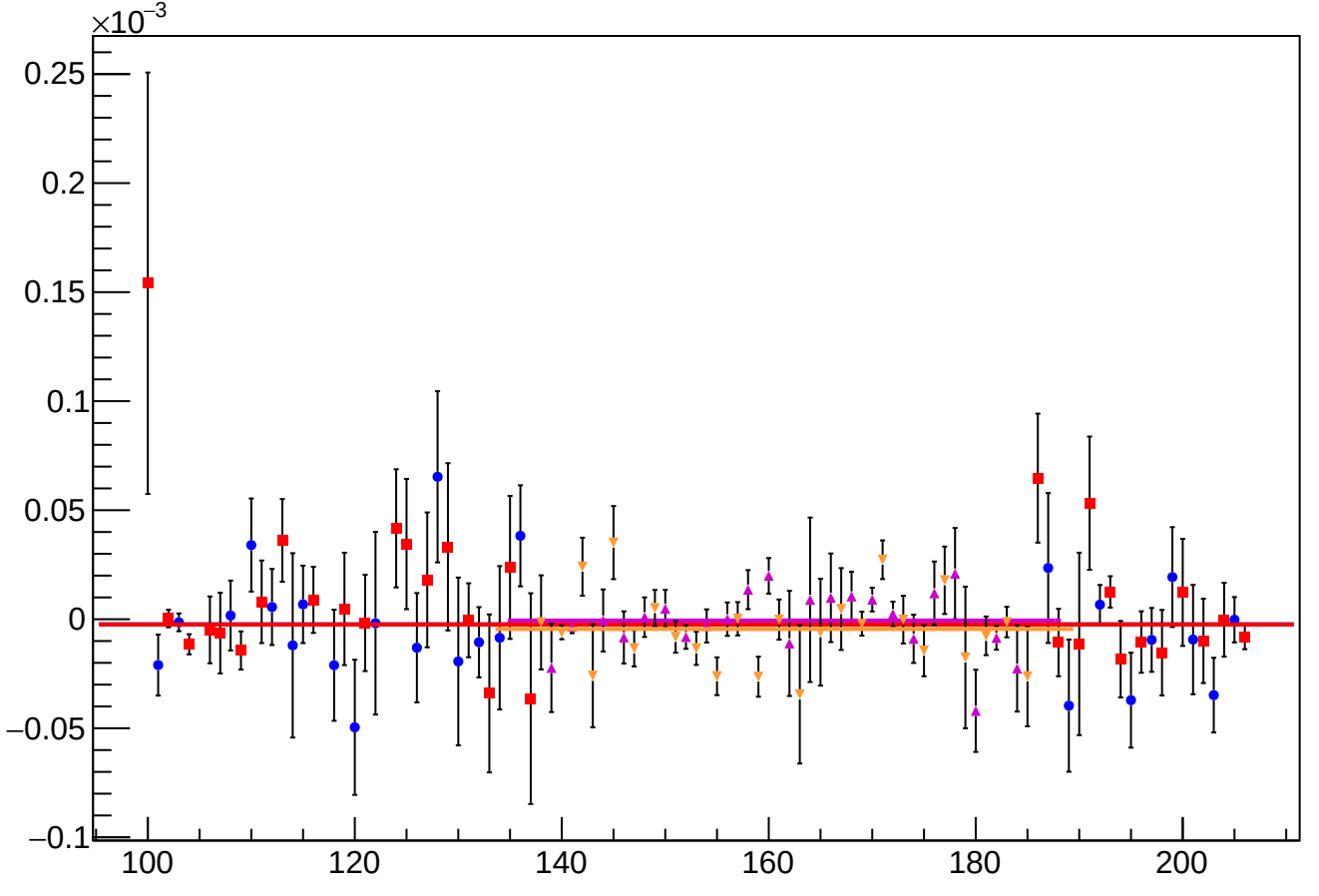
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.666+/-0.028 χ^2/NDF: 8470475.0/55

In: 242.681+/-0.033 χ^2/NDF:5346597.9/47

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 226.024+/-0.021 χ^2/NDF: 16941290.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/30

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

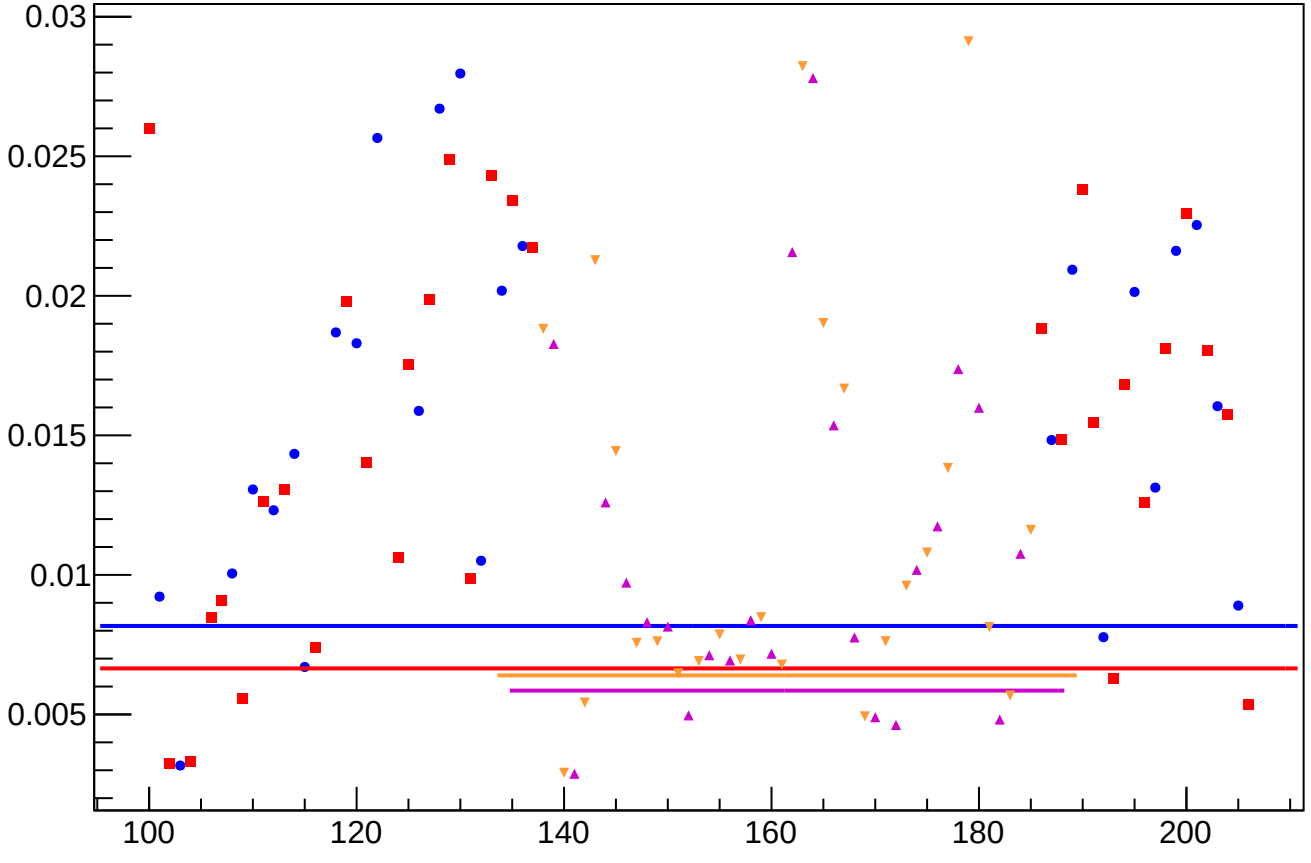
Right: -0.000+/-0.000 χ^2/NDF: 63.1/55

In: -0.000+/-0.000 χ^2/NDF:54.7/47

Out: -0.000+/-0.000 χ^2/NDF:84.7/55

All: -0.000+/-0.000 χ^2/NDF: 141.3/103

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 9436824.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11600229.3/30

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

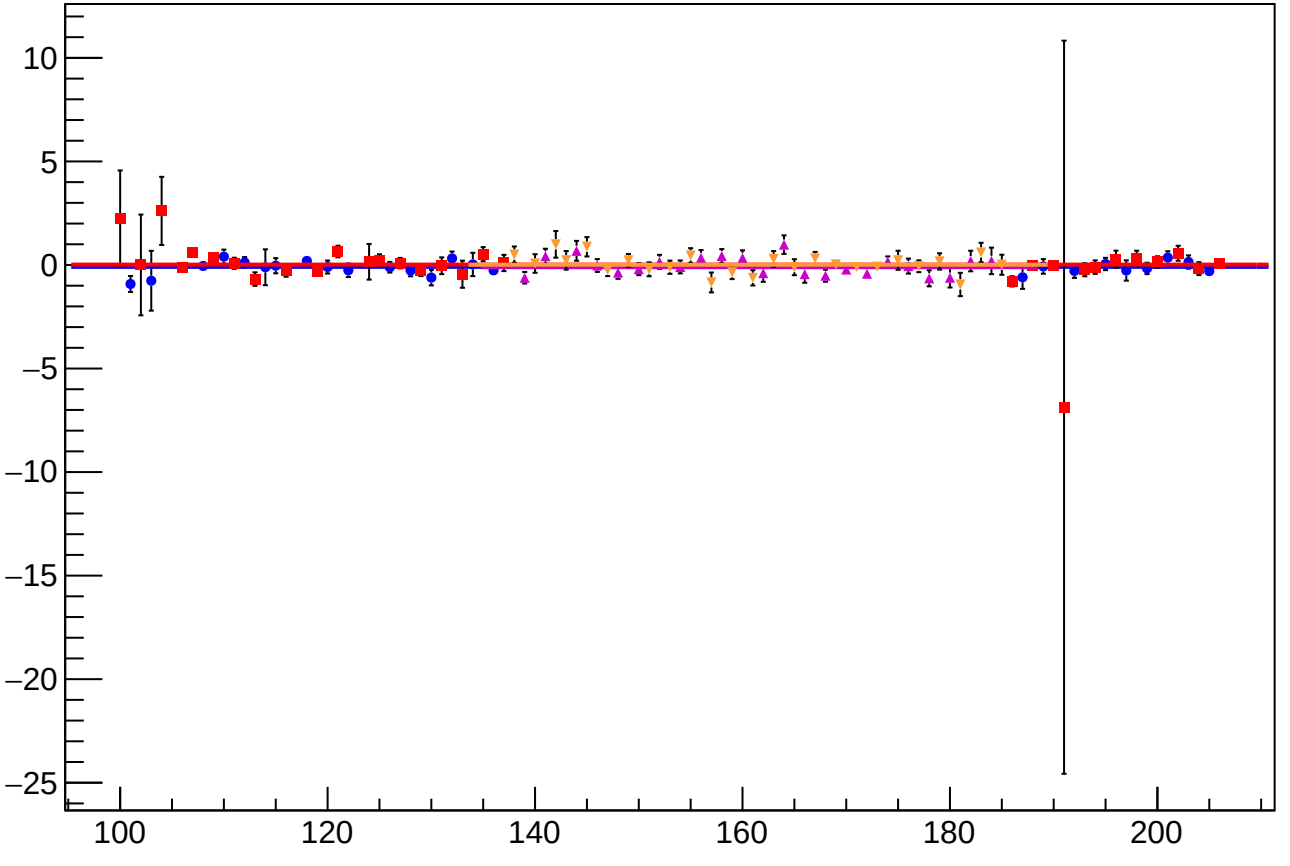
Right: 0.007+/-0.000 χ^2/NDF: 21418685.8/55

In: 0.006+/-0.000 χ^2/NDF:18605976.9/47

Out: 0.007+/-0.000 χ^2/NDF:20581494.1/55

All: 0.006+/-0.000 χ^2/NDF: 39189125.6/103

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

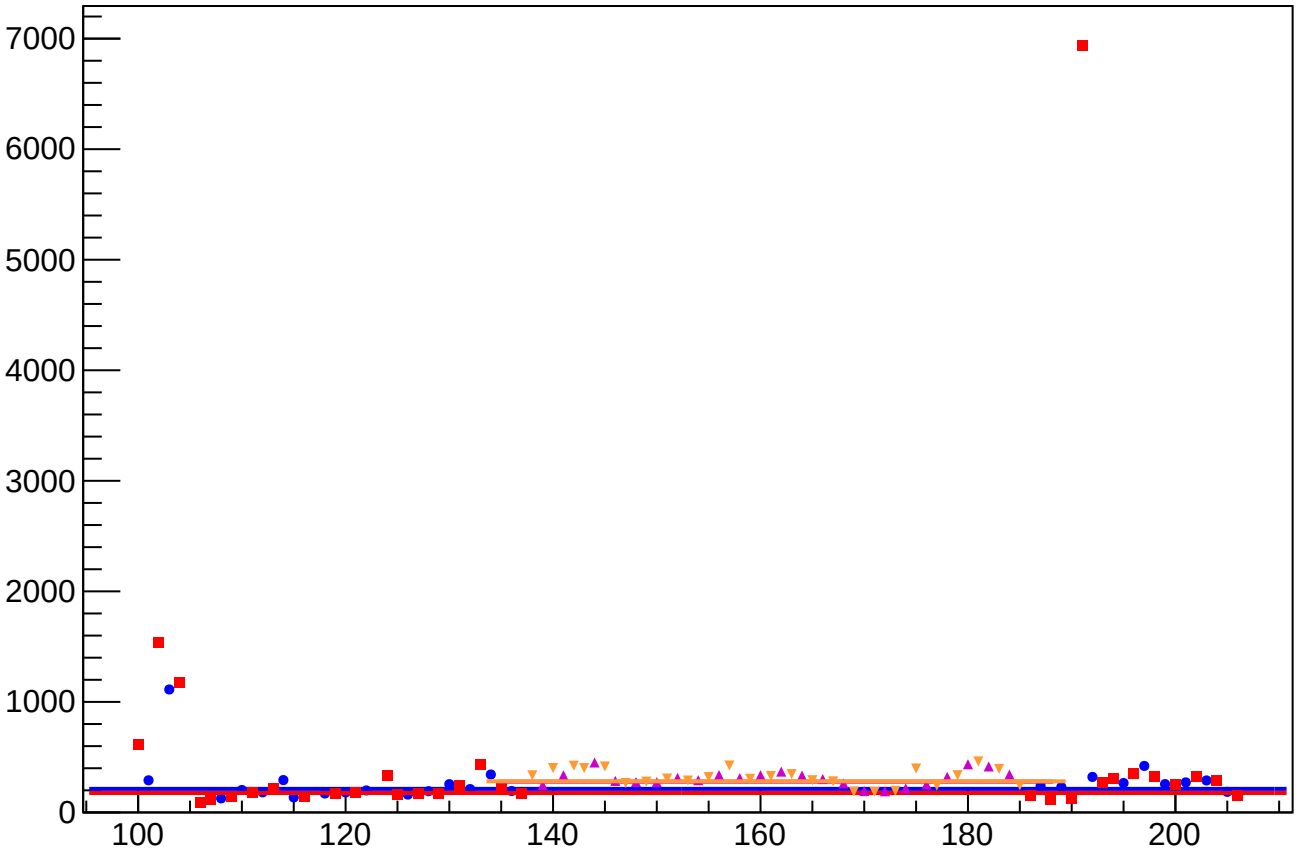
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.025+/-0.039 χ^2/NDF: 65.8/55

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.033+/-0.030 χ^2/NDF: 124.1/103



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

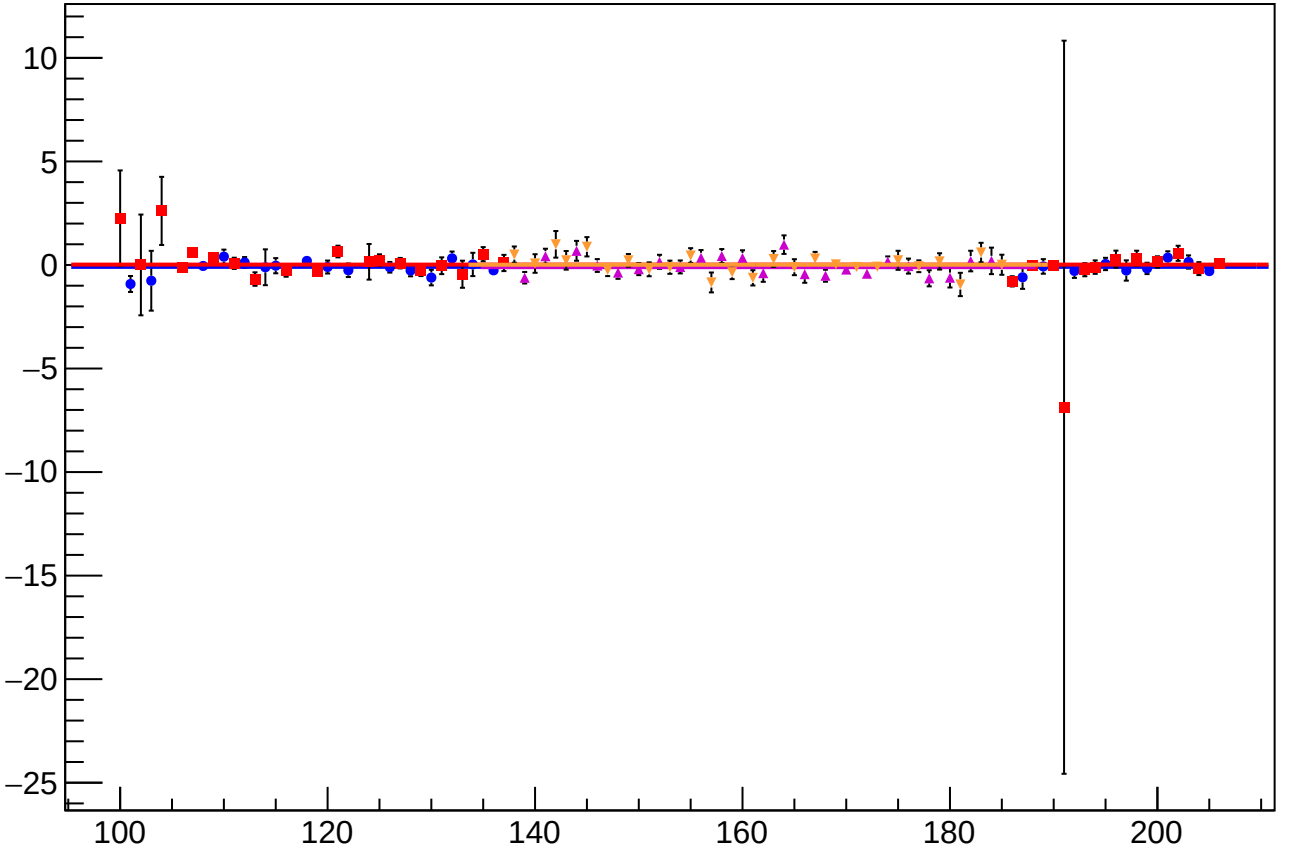
Right: 190.664+/-0.028 χ^2/NDF: 8470708.3/55

In: 242.682+/-0.033 χ^2/NDF:5346727.1/47

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 226.023+/-0.021 χ^2/NDF: 16942035.3/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

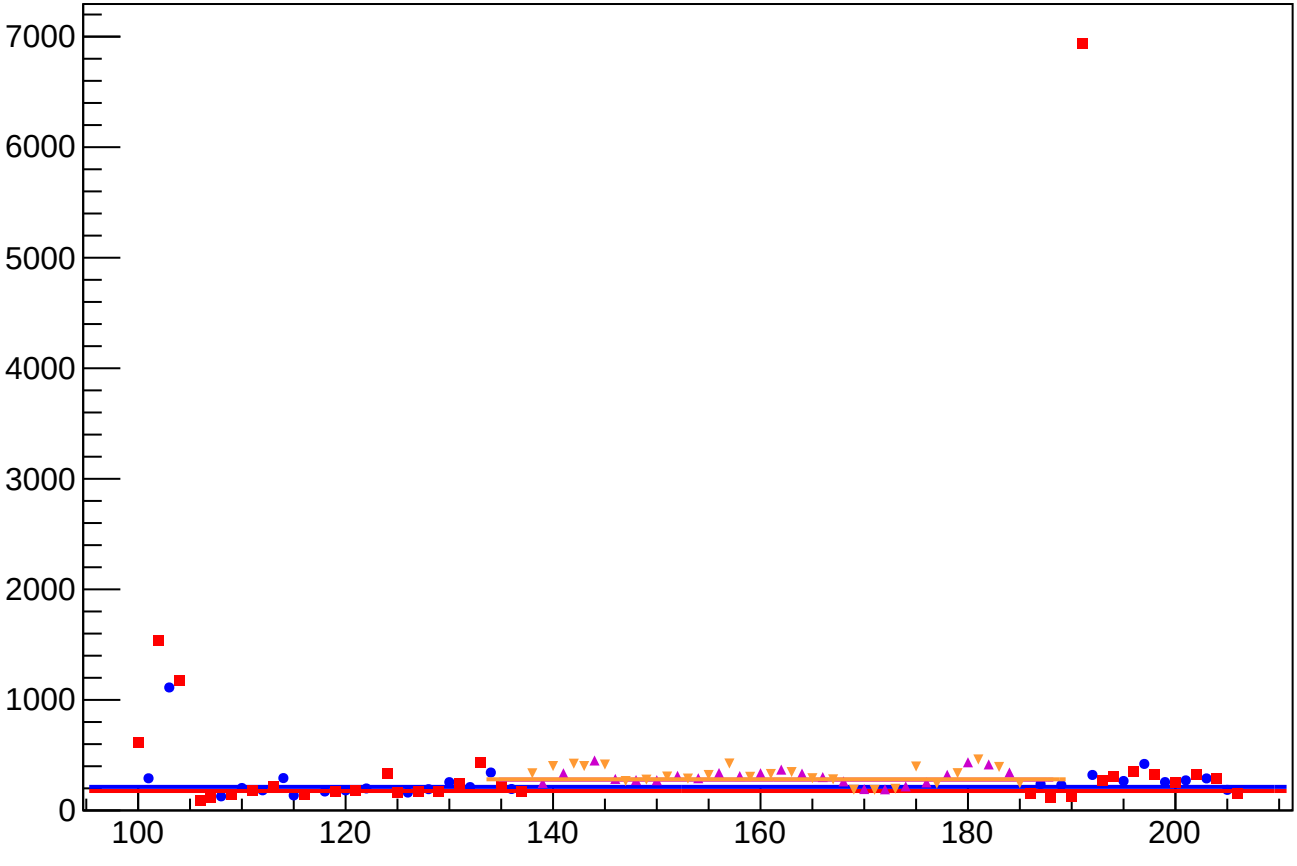
Right: -0.025+/-0.039 χ^2/NDF: 65.8/55

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.033+/-0.030 χ^2/NDF: 124.1/103

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

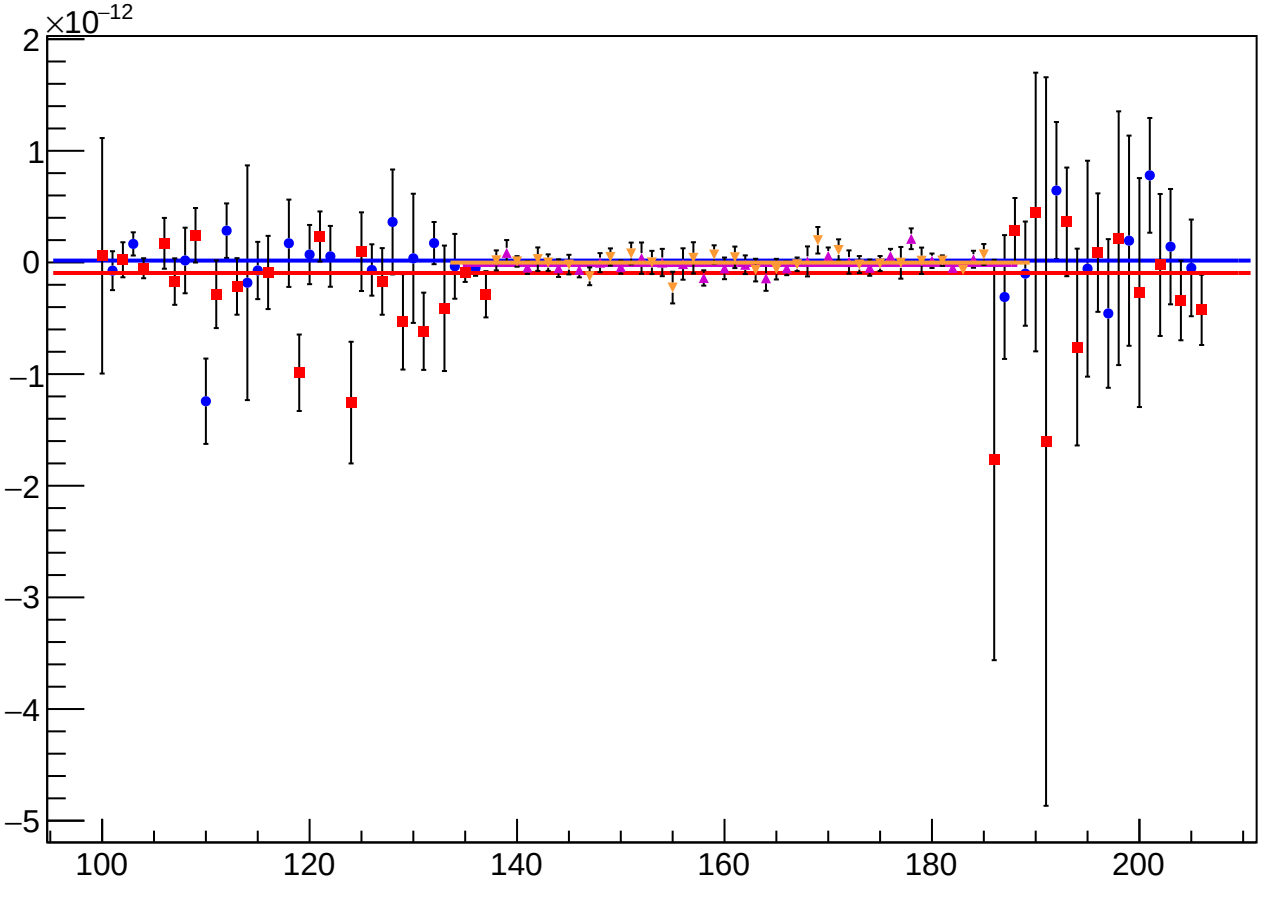
Right: 190.664+/-0.028 χ^2/NDF: 8470708.3/55

In: 242.682+/-0.033 χ^2/NDF:5346727.1/47

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 226.023+/-0.021 χ^2/NDF: 16942035.3/10

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

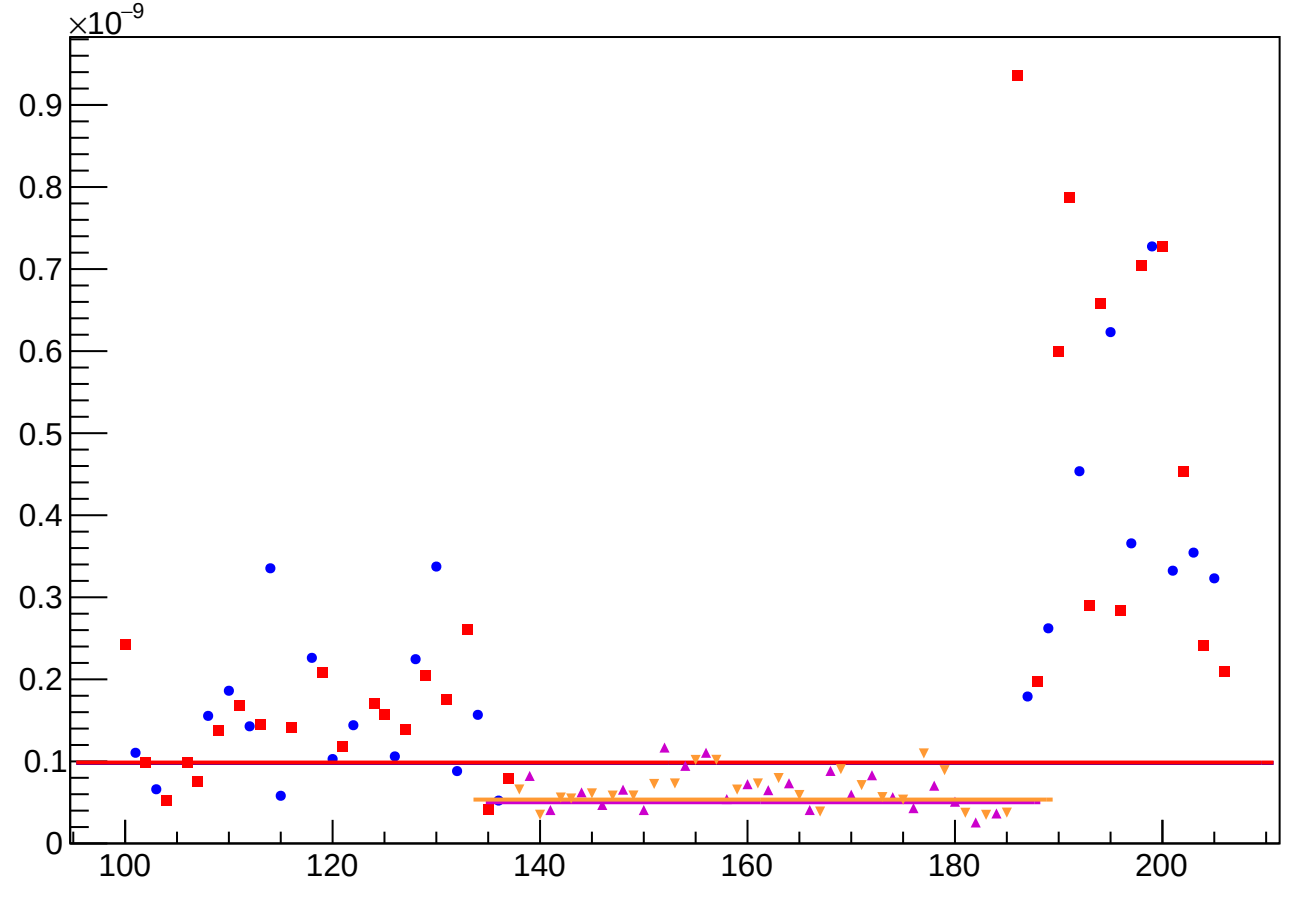
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.0/55

In: -0.000+/-0.000 χ^2/NDF:38.9/47

Out: -0.000+/-0.000 χ^2/NDF:48.9/55

All: -0.000+/-0.000 χ^2/NDF: 87.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 6524104.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7491343.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

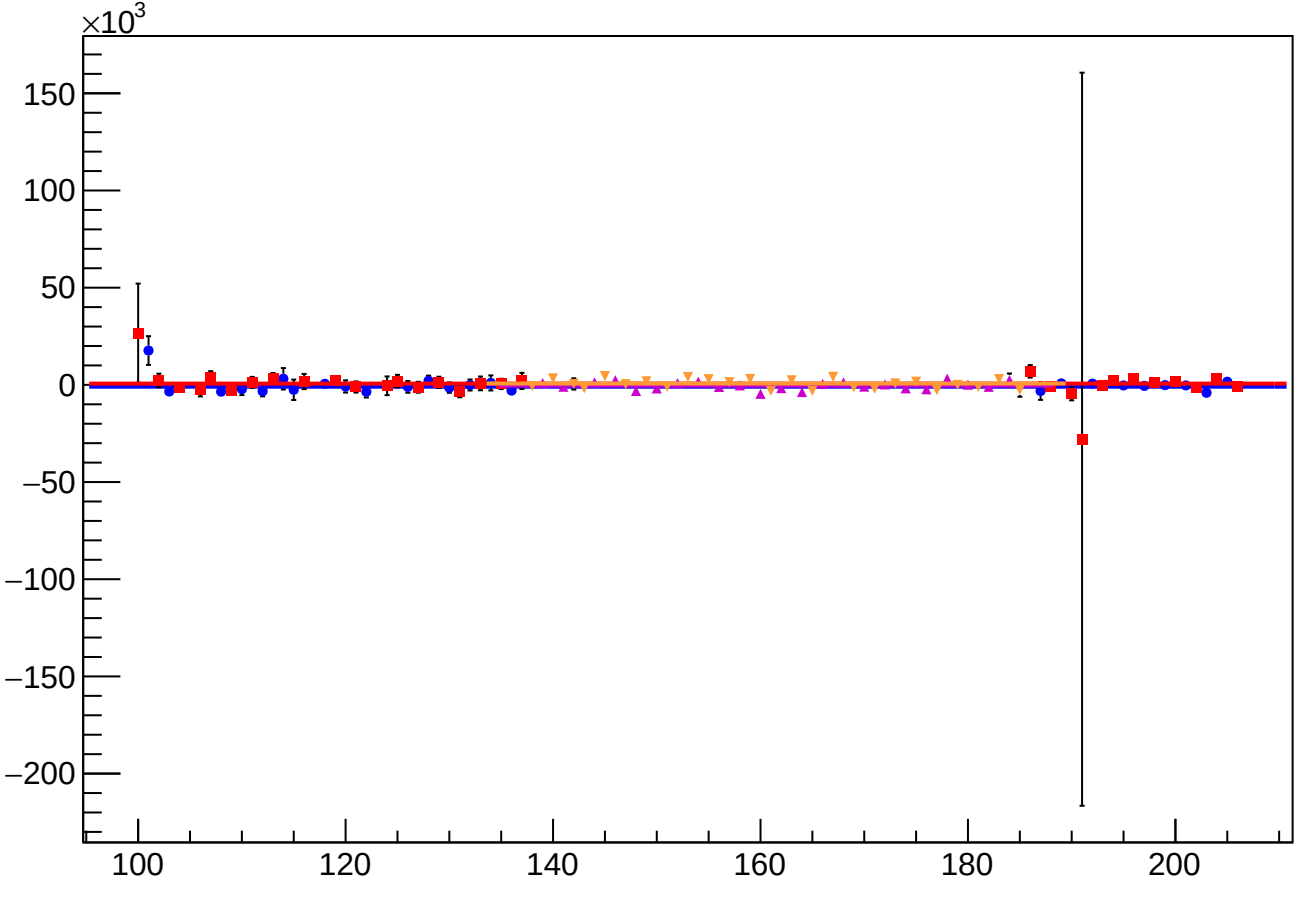
Right: 0.000+/-0.000 χ^2/NDF: 14015597.4/55

In: 0.000+/-0.000 χ^2/NDF:11973338.3/47

Out: 0.000+/-0.000 χ^2/NDF:12227260.5/55

All: 0.000+/-0.000 χ^2/NDF: 24255007.4/103

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -934.674+/-518.933 χ^2/NDF: 19.5/24

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 648.361+/-481.363 χ^2/NDF: 23.3/30

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

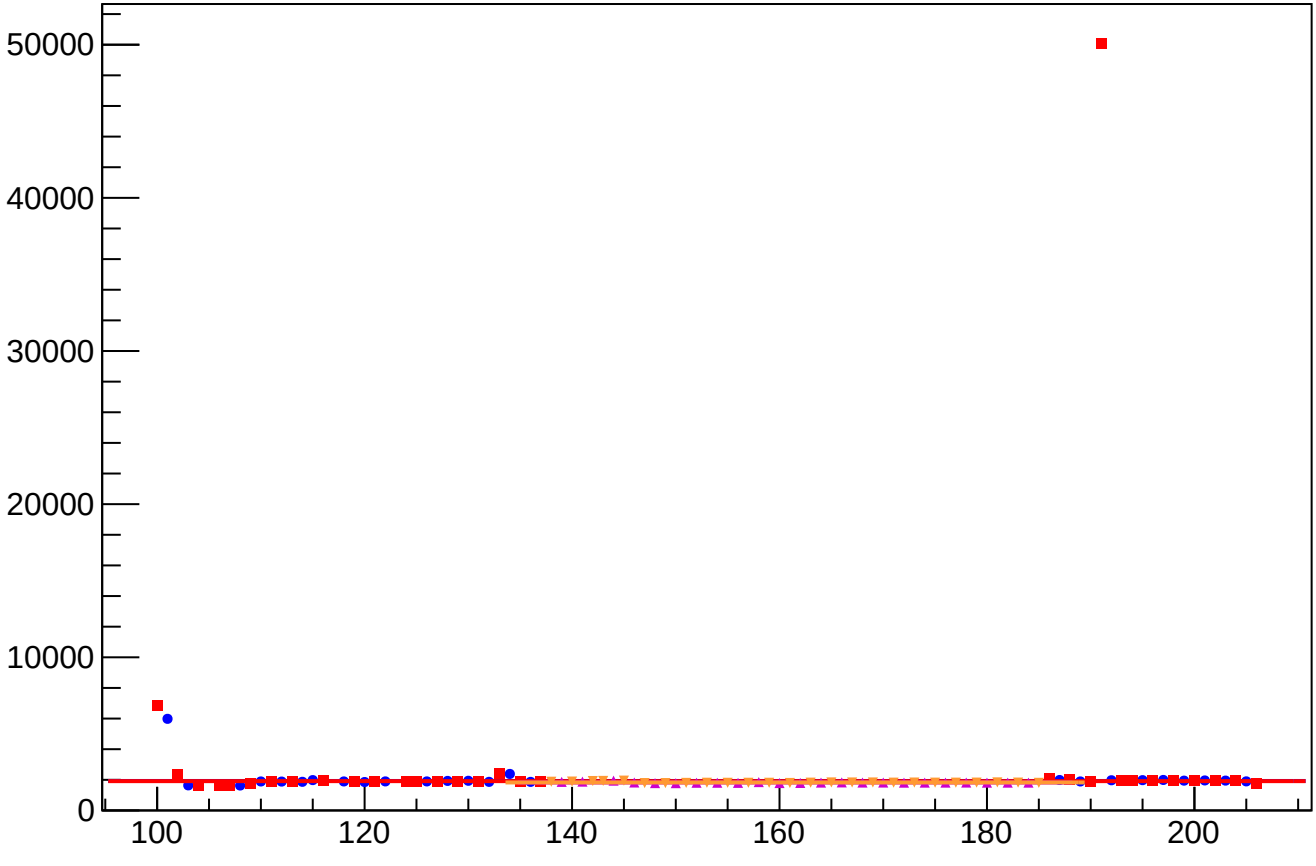
Right: -83.783+/-352.910 χ^2/NDF: 47.8/55

In: -617.263+/-329.363 χ^2/NDF:40.8/47

Out: 681.251+/-314.481 χ^2/NDF:55.2/55

All: 61.992+/-227.451 χ^2/NDF: 104.2/103

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.3/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.345+/-0.340 χ^2/NDF: 385868.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

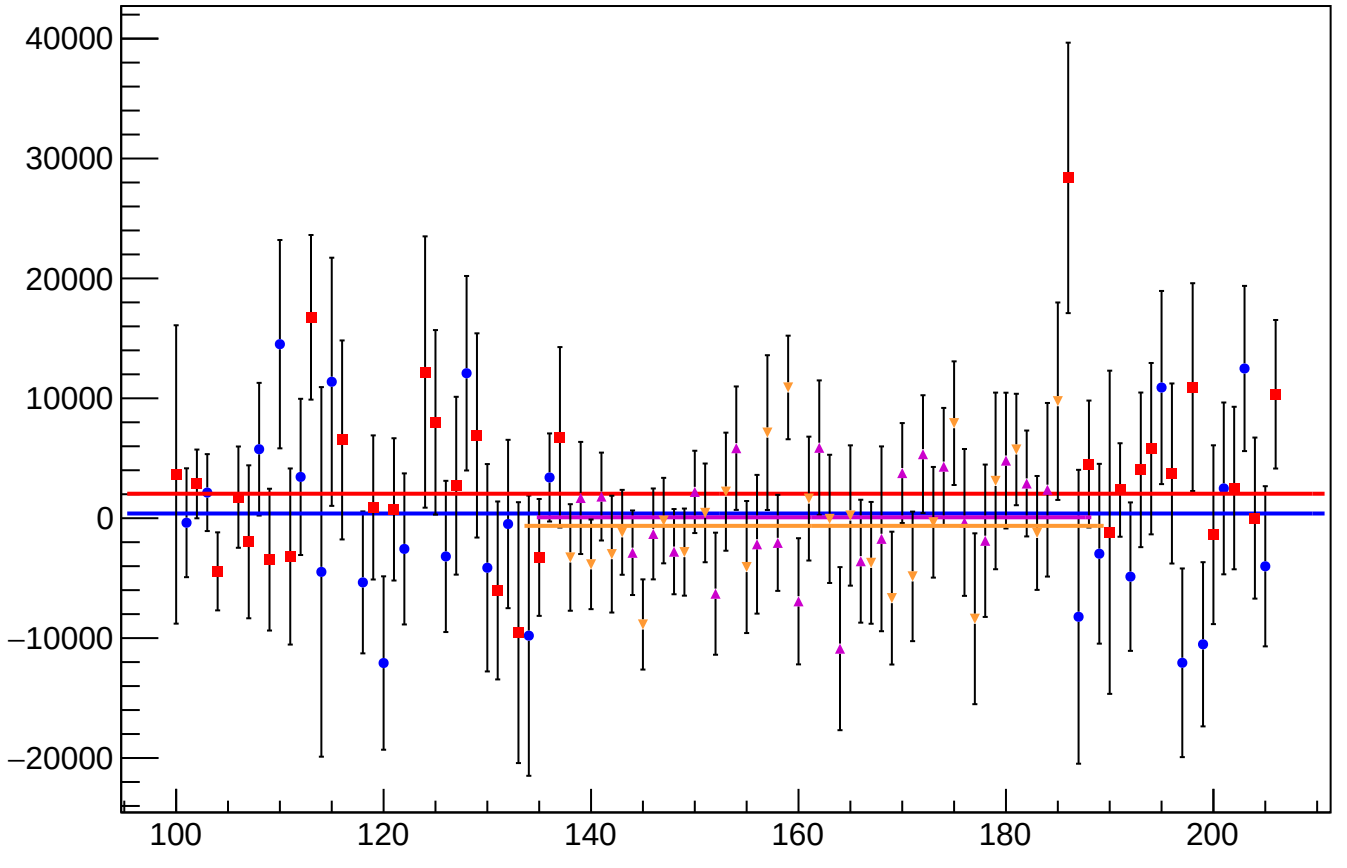
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1919.056+/-0.249 χ^2/NDF: 1092753.0/55

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1865.060+/-0.222 χ^2/NDF:441942.7/55

All: 1865.127+/-0.161 χ^2/NDF: 1205577.6/10



Right In: 392.163+/-1266.565 χ^2/NDF: 25.4/24

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 2042.548+/-1076.646 χ^2/NDF: 25.7/30

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

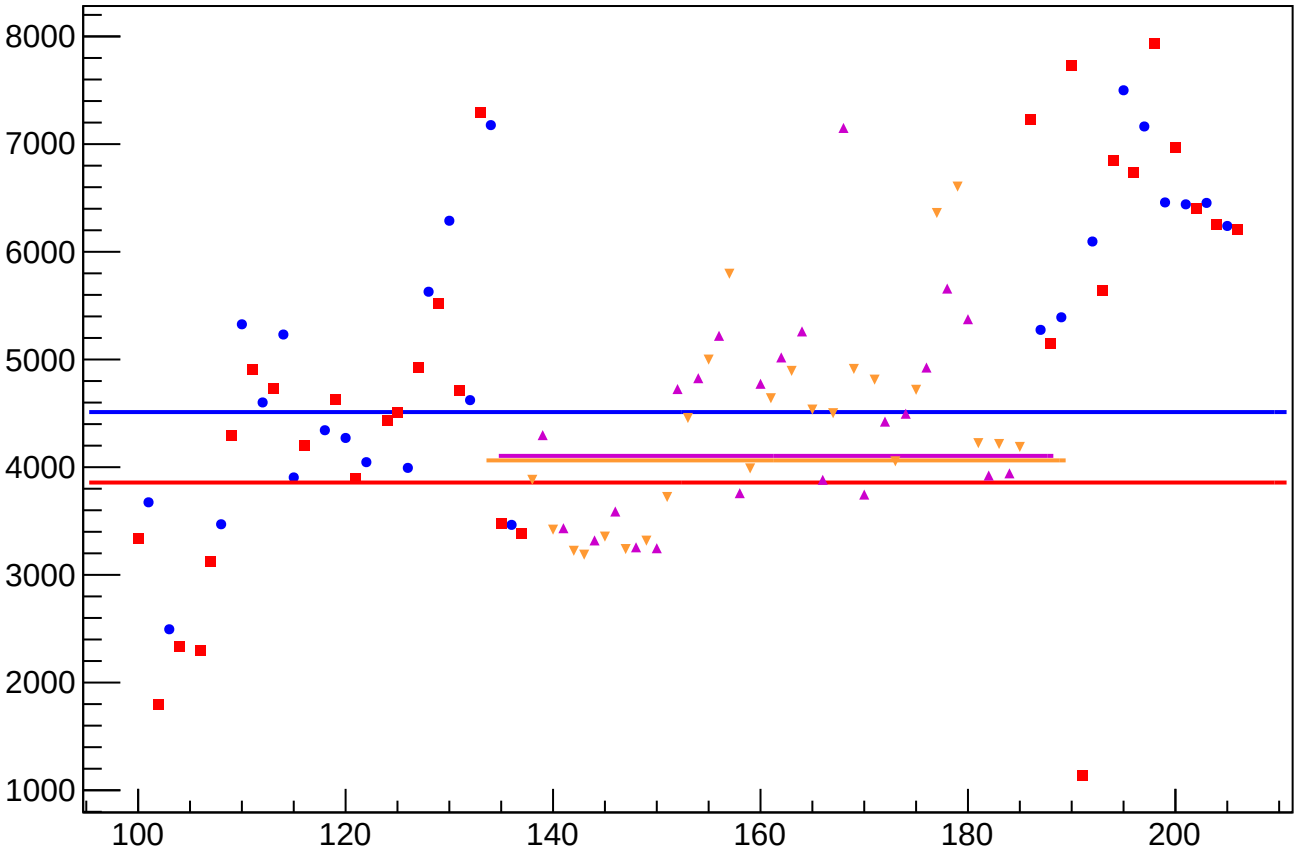
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1350.247+/-820.318 χ^2/NDF: 52.1/55

In: 194.288+/-775.197 χ^2/NDF:40.9/47

Out: 531.226+/-711.016 χ^2/NDF:55.2/55

All: 377.280+/-523.987 χ^2/NDF: 96.2/103



Right In: 4511.831+/-0.896 χ^2/NDF: 2644612.8/24

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3857.499+/-0.761 χ^2/NDF: 6123712.3/30

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

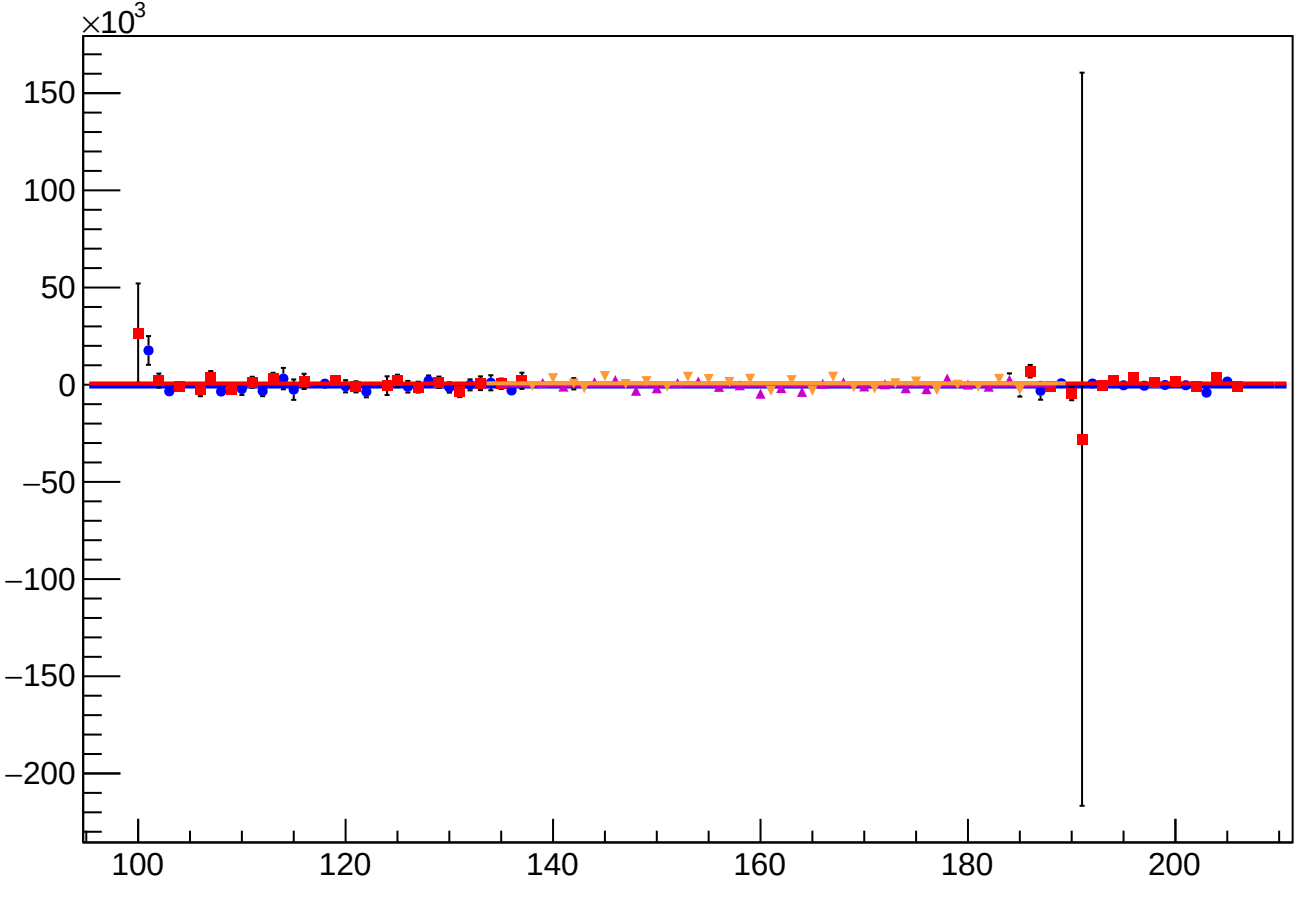
Right: 4131.977+/-0.580 χ^2/NDF: 9078203.0/55

In: 4257.435+/-0.548 χ^2/NDF:4133120.2/47

Out: 3973.436+/-0.503 χ^2/NDF:7569877.9/55

All: 4103.194+/-0.371 χ^2/NDF: 11848786.4/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 643.821+/-481.667 χ^2/NDF: 23.3/30

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

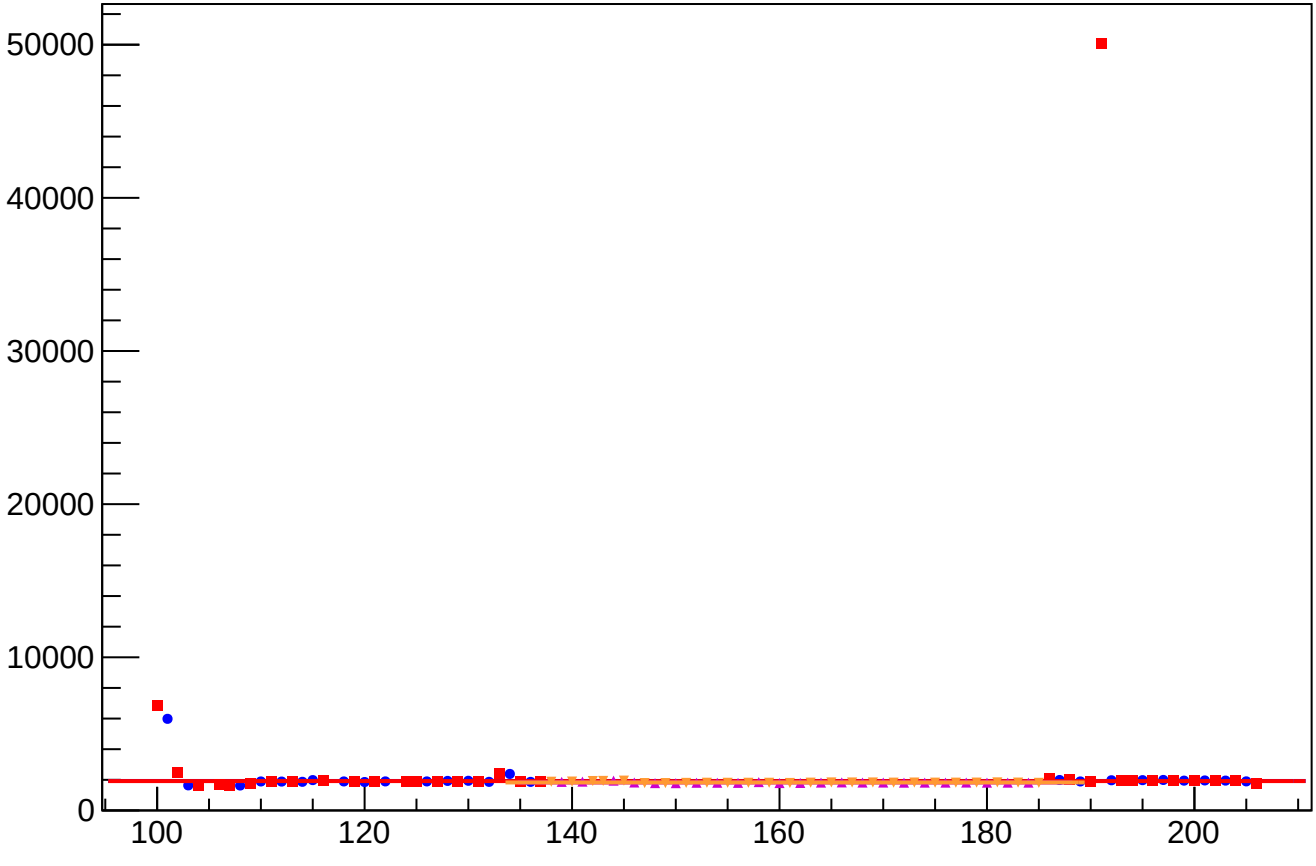
Right: -86.817+/-353.030 χ^2/NDF: 47.7/55

In: -617.251+/-329.363 χ^2/NDF:40.8/47

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 60.838+/-227.483 χ^2/NDF: 104.1/103

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

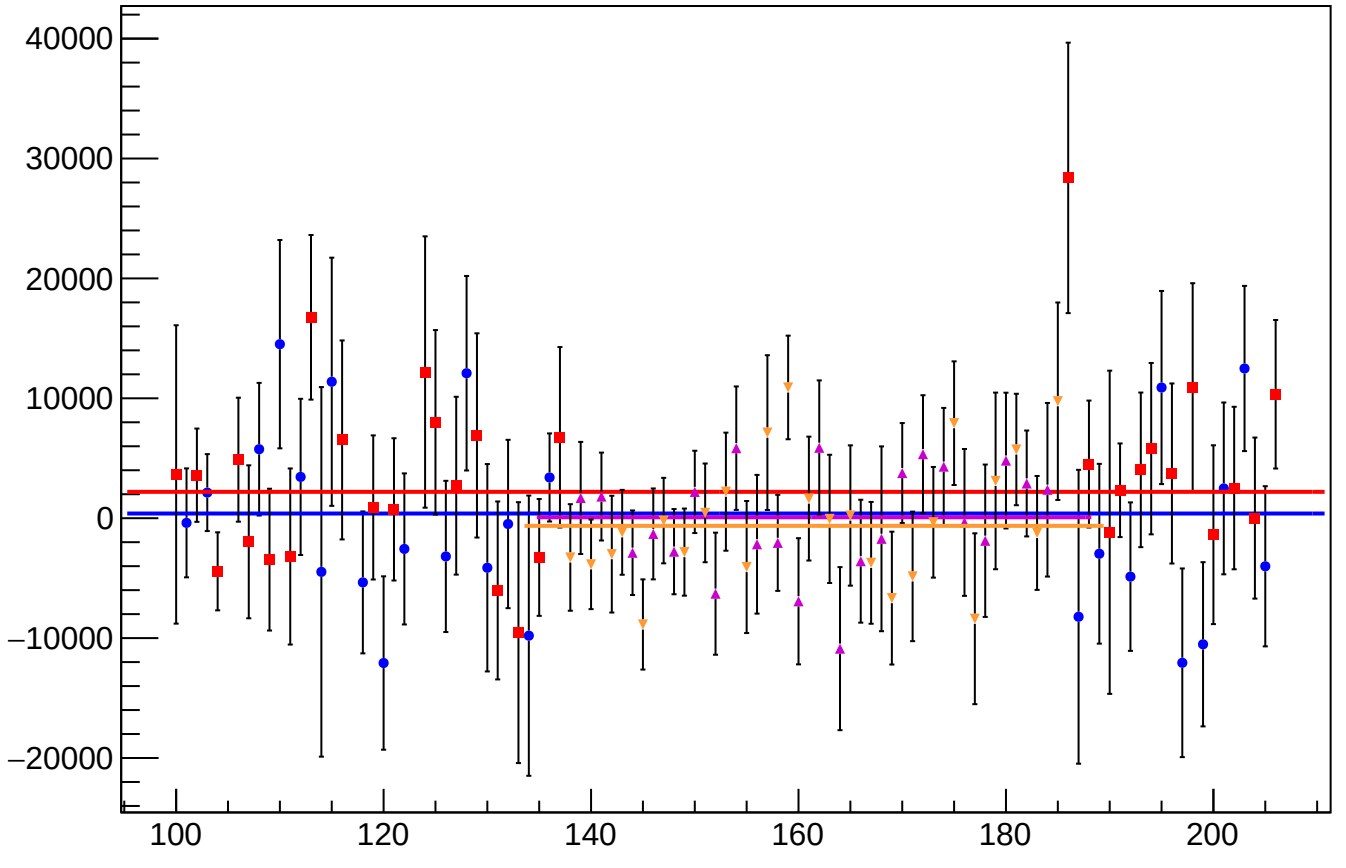
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1920.833+/-0.250 χ^2/NDF: 1099288.7/55

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1865.829+/-0.161 χ^2/NDF: 1215147.6/10



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2198.983+/-1126.355 χ^2/NDF: 26.1/30

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

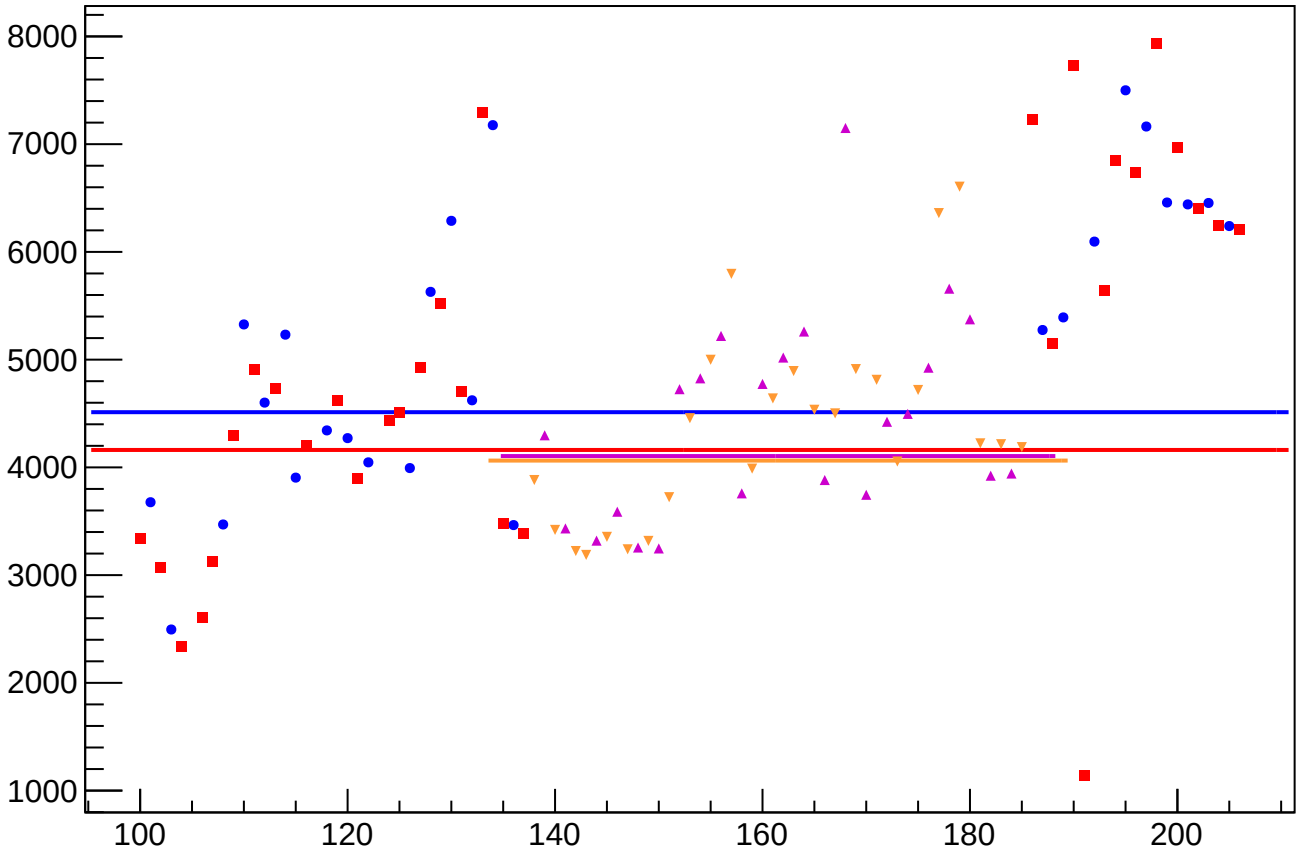
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1400.703+/-841.709 χ^2/NDF: 52.6/55

In: 193.906+/-775.221 χ^2/NDF:40.9/47

Out: 536.871+/-724.789 χ^2/NDF:55.8/55

All: 376.906+/-529.435 χ^2/NDF: 96.7/103



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

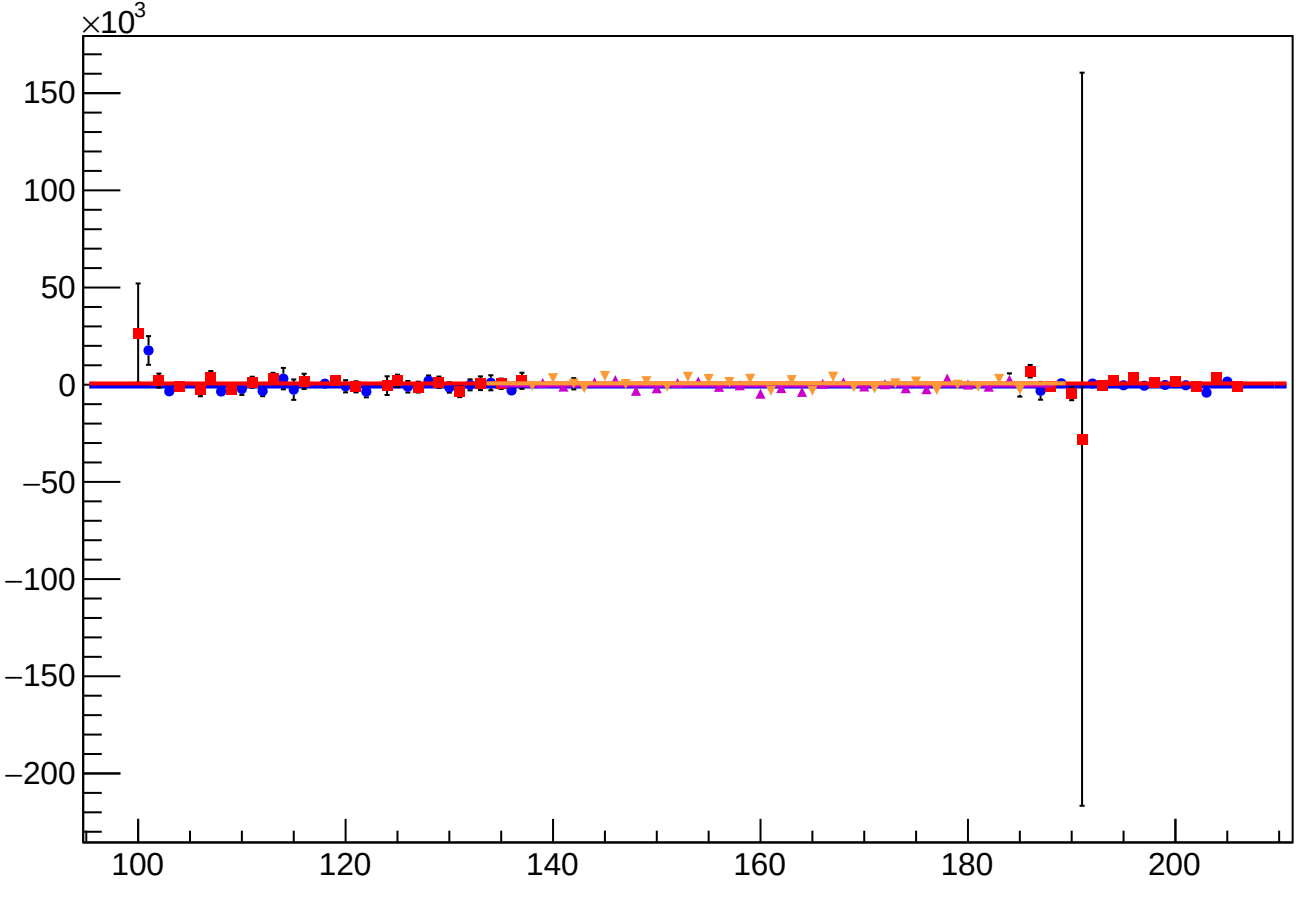
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4316.542+/-0.595 χ^2/NDF: 7595938.3/55

In: 4257.602+/-0.548 χ^2/NDF:4132223.5/47

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4175.611+/-0.374 χ^2/NDF: 10455138.2/1



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 643.821+/-481.667 χ^2/NDF: 23.3/30

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

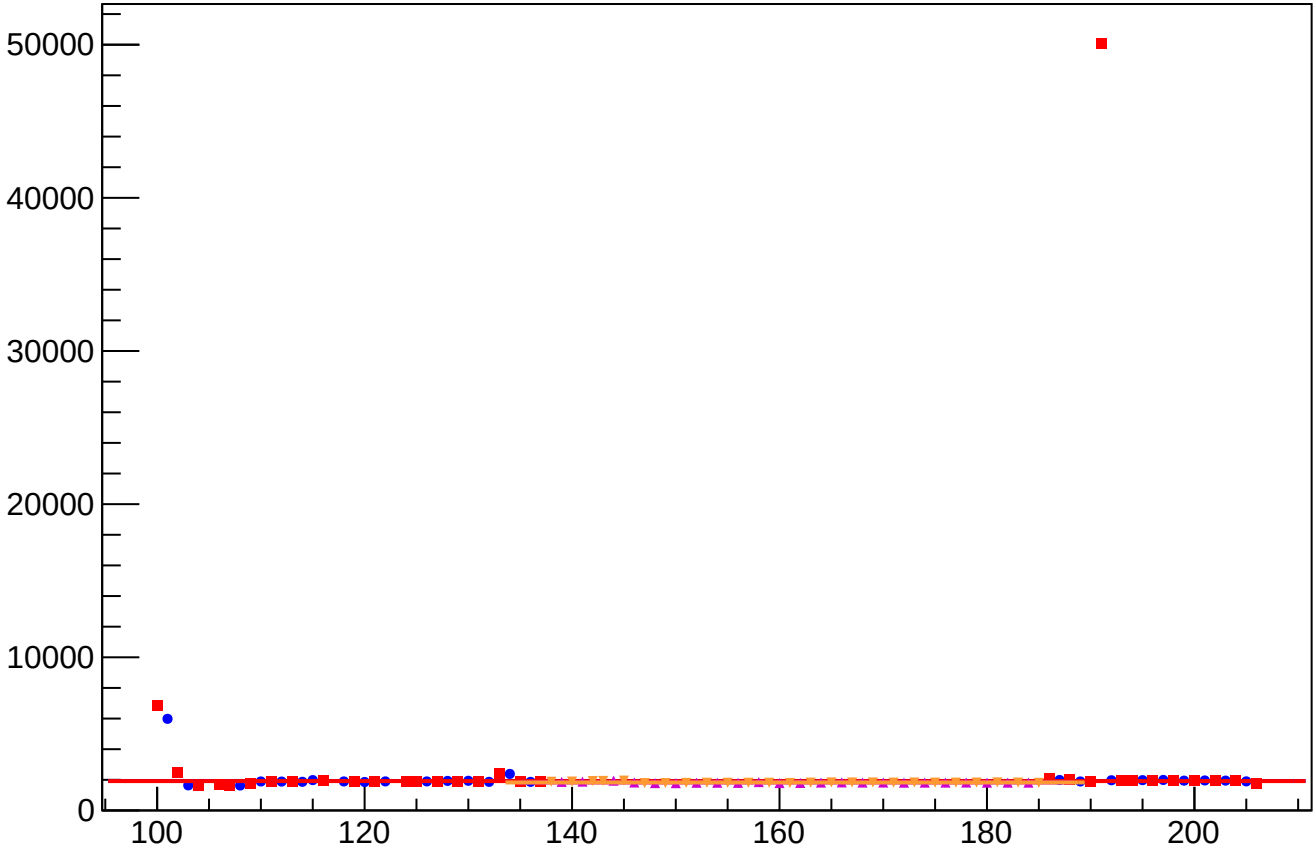
Right: -86.817+/-353.030 χ^2/NDF: 47.7/55

In: -617.251+/-329.363 χ^2/NDF:40.8/47

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 60.838+/-227.483 χ^2/NDF: 104.1/103

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

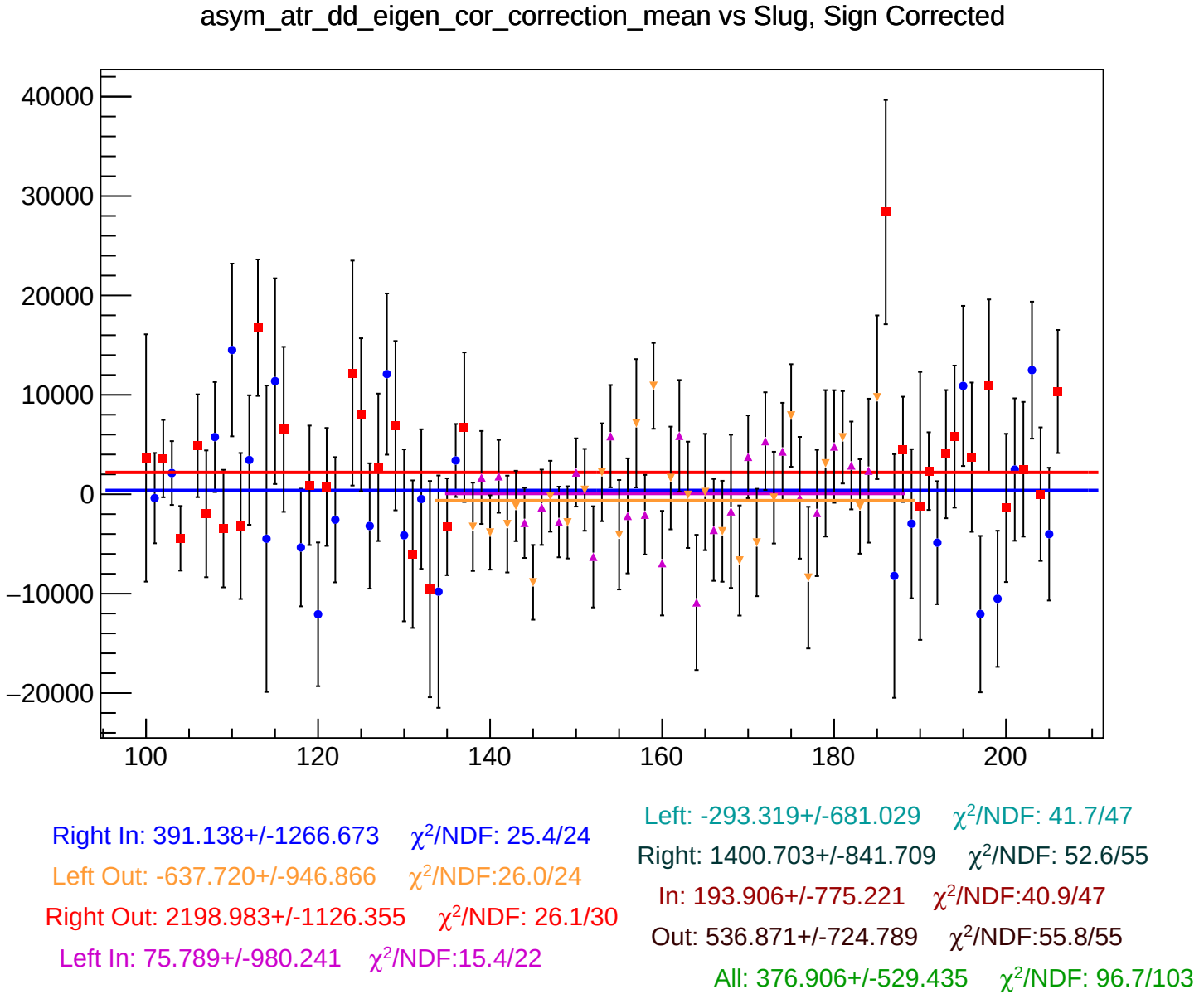
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

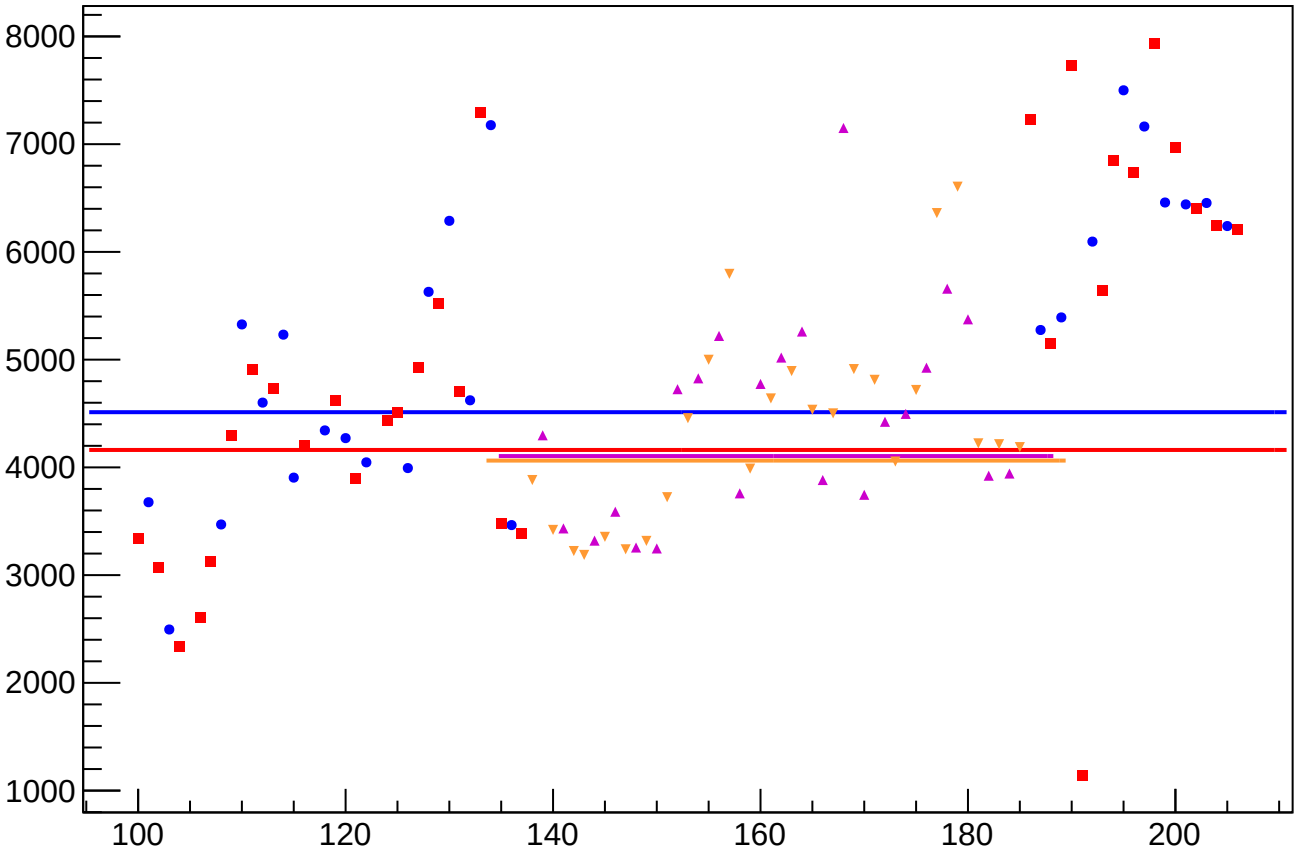
Right: 1920.833+/-0.250 χ^2/NDF: 1099288.7/55

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1865.829+/-0.161 χ^2/NDF: 1215147.6/10


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 391.138+/-1266.673 χ²/NDF: 25.4/24
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 2198.983+/-1126.355 χ²/NDF: 26.1/30
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1400.703+/-841.709 χ²/NDF: 52.6/55
In: 193.906+/-775.221 χ²/NDF:40.9/47
Out: 536.871+/-724.789 χ²/NDF:55.8/55
All: 376.906+/-529.435 χ²/NDF: 96.7/103



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

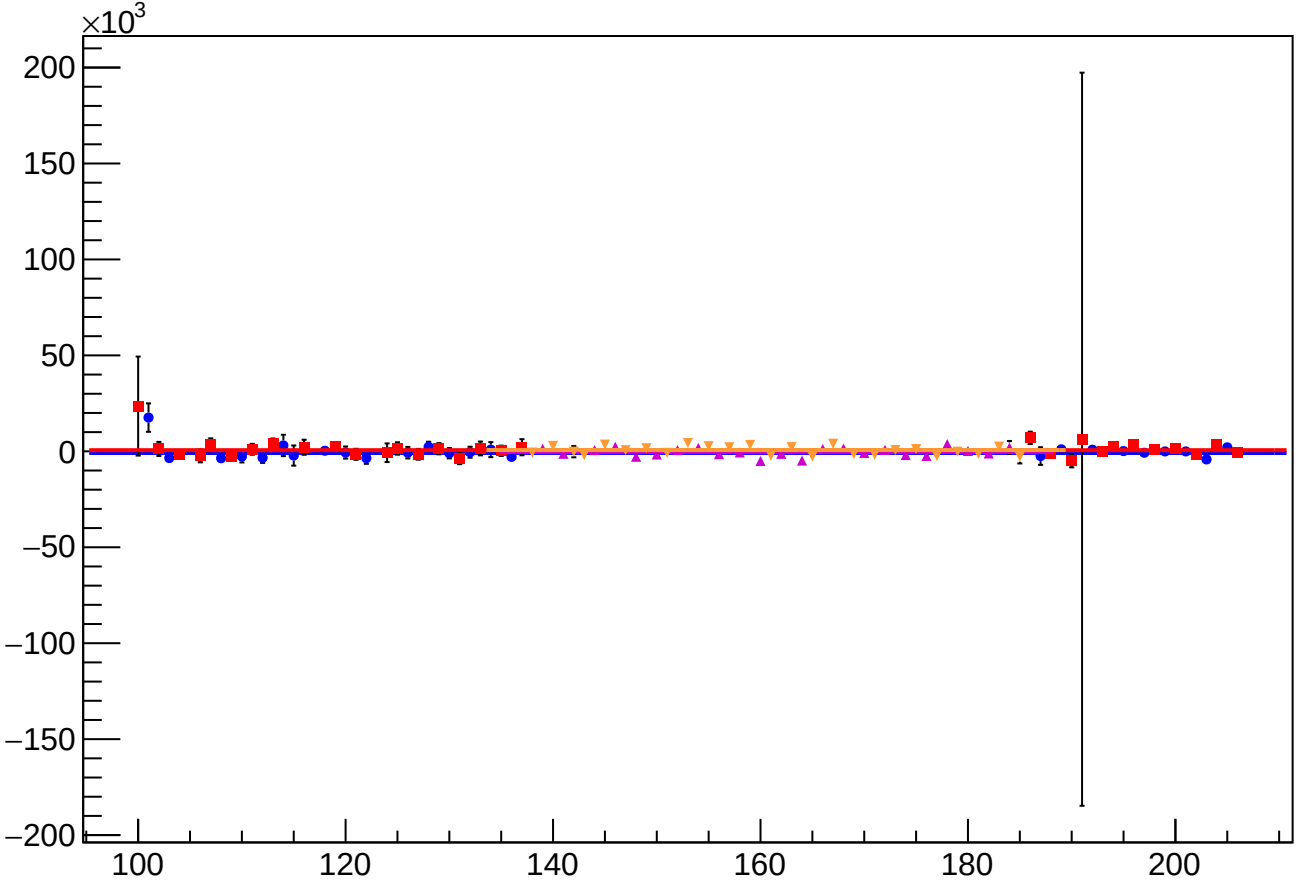
Right: 4316.542+/-0.595 χ^2/NDF: 7595938.3/55

In: 4257.602+/-0.548 χ^2/NDF:4132223.5/47

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4175.611+/-0.374 χ^2/NDF: 10455138.2/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -858.270+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 594.058+/-486.348 χ^2/NDF: 25.0/30

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

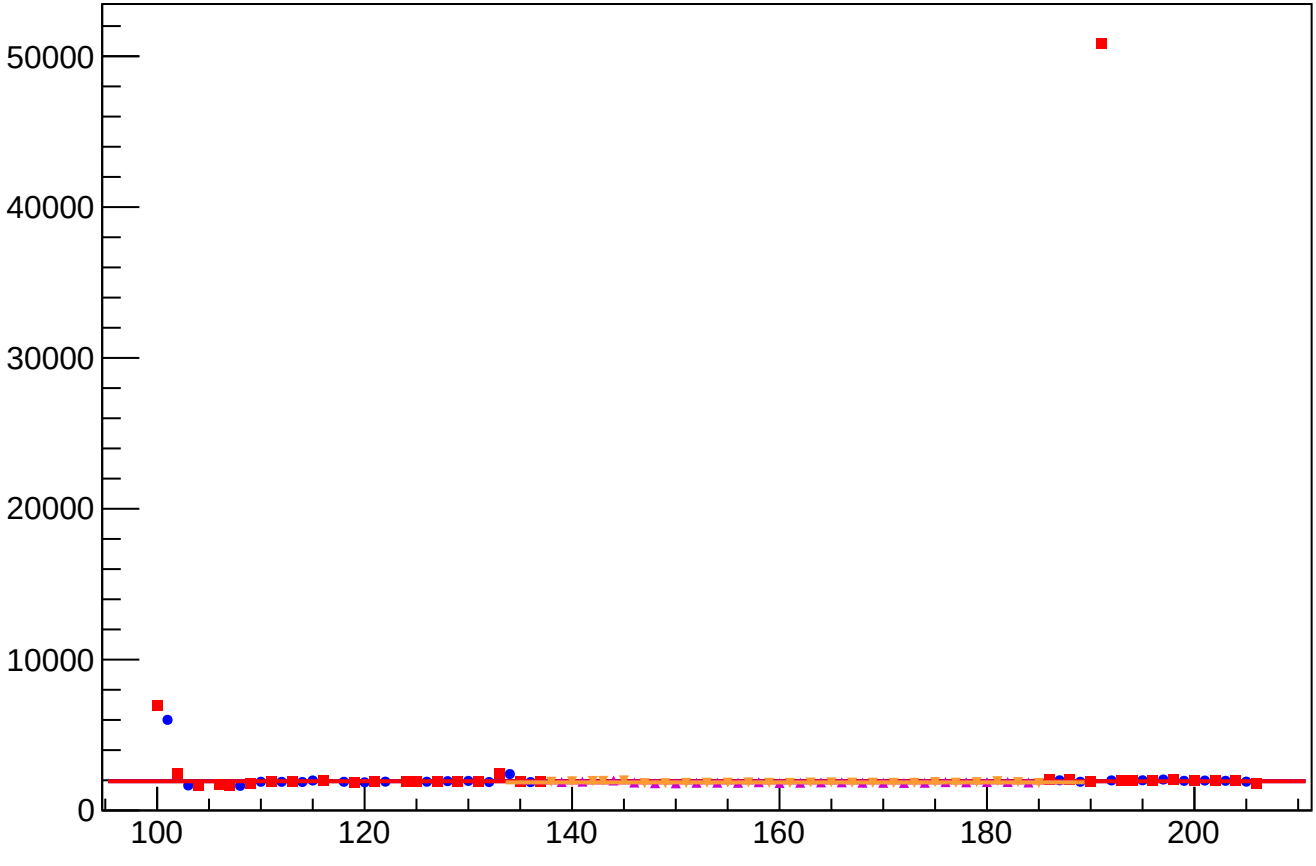
Right: -78.590+/-356.347 χ^2/NDF: 49.9/55

In: -592.993+/-334.077 χ^2/NDF:44.8/47

Out: 630.239+/-319.196 χ^2/NDF:52.1/55

All: 46.472+/-230.787 χ^2/NDF: 103.9/103

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.5/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1935.632+/-0.344 χ^2/NDF: 402730.9/30

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

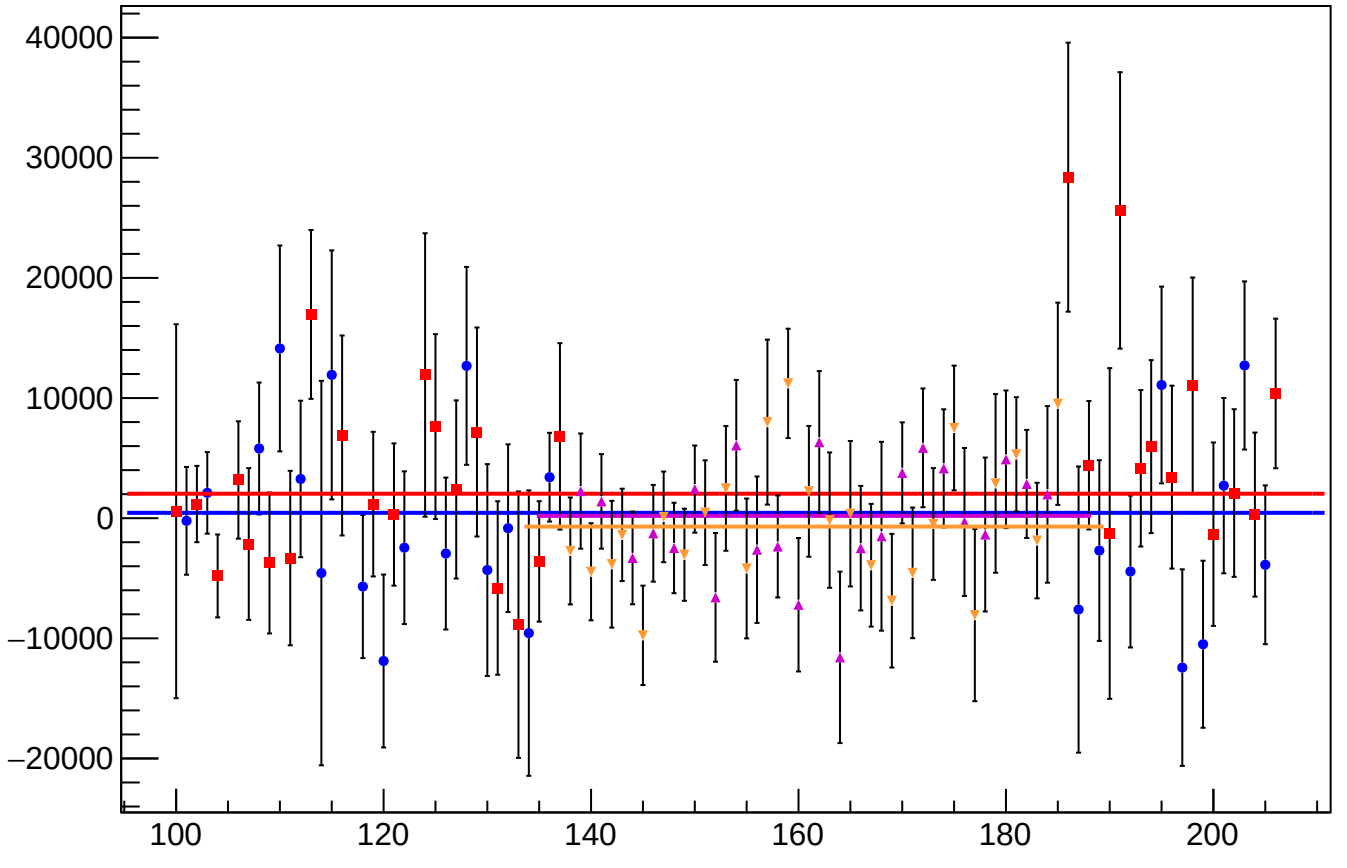
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1938.454+/-0.252 χ^2/NDF: 1112057.0/55

In: 1891.882+/-0.236 χ^2/NDF:756129.5/47

Out: 1893.581+/-0.226 χ^2/NDF:455047.8/55

All: 1892.771+/-0.163 χ^2/NDF: 1211204.3/10



Right In: 445.806+/-1282.249 χ^2/NDF: 25.1/24

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 2036.970+/-1158.190 χ^2/NDF: 29.8/30

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

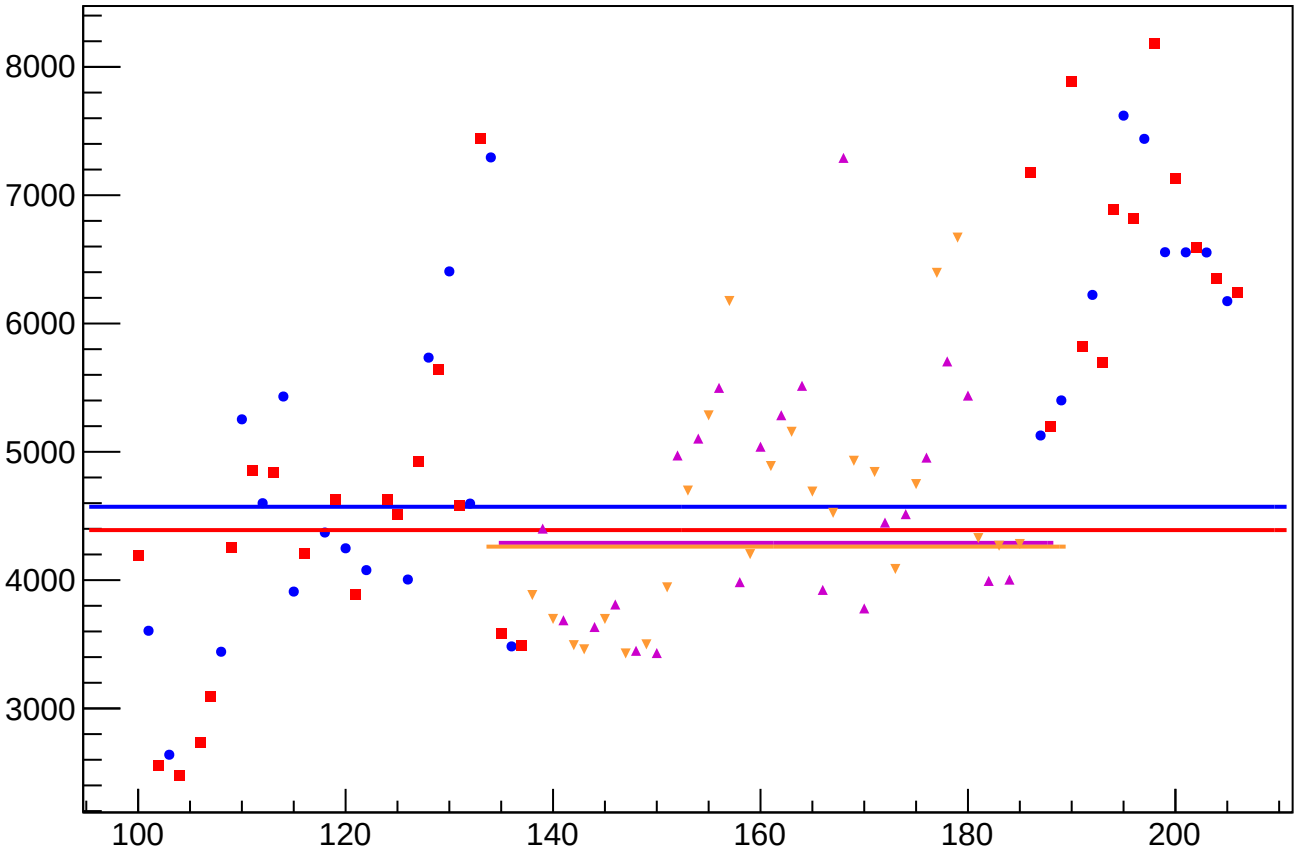
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1322.066+/-859.486 χ^2/NDF: 55.8/55

In: 290.951+/-799.426 χ^2/NDF:40.3/47

Out: 456.539+/-752.557 χ^2/NDF:58.4/55

All: 378.741+/-547.958 χ^2/NDF: 98.7/103



Right In: 4571.747+/-0.907 χ^2/NDF: 2568452.8/24

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4389.988+/-0.819 χ^2/NDF: 3928900.7/30

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

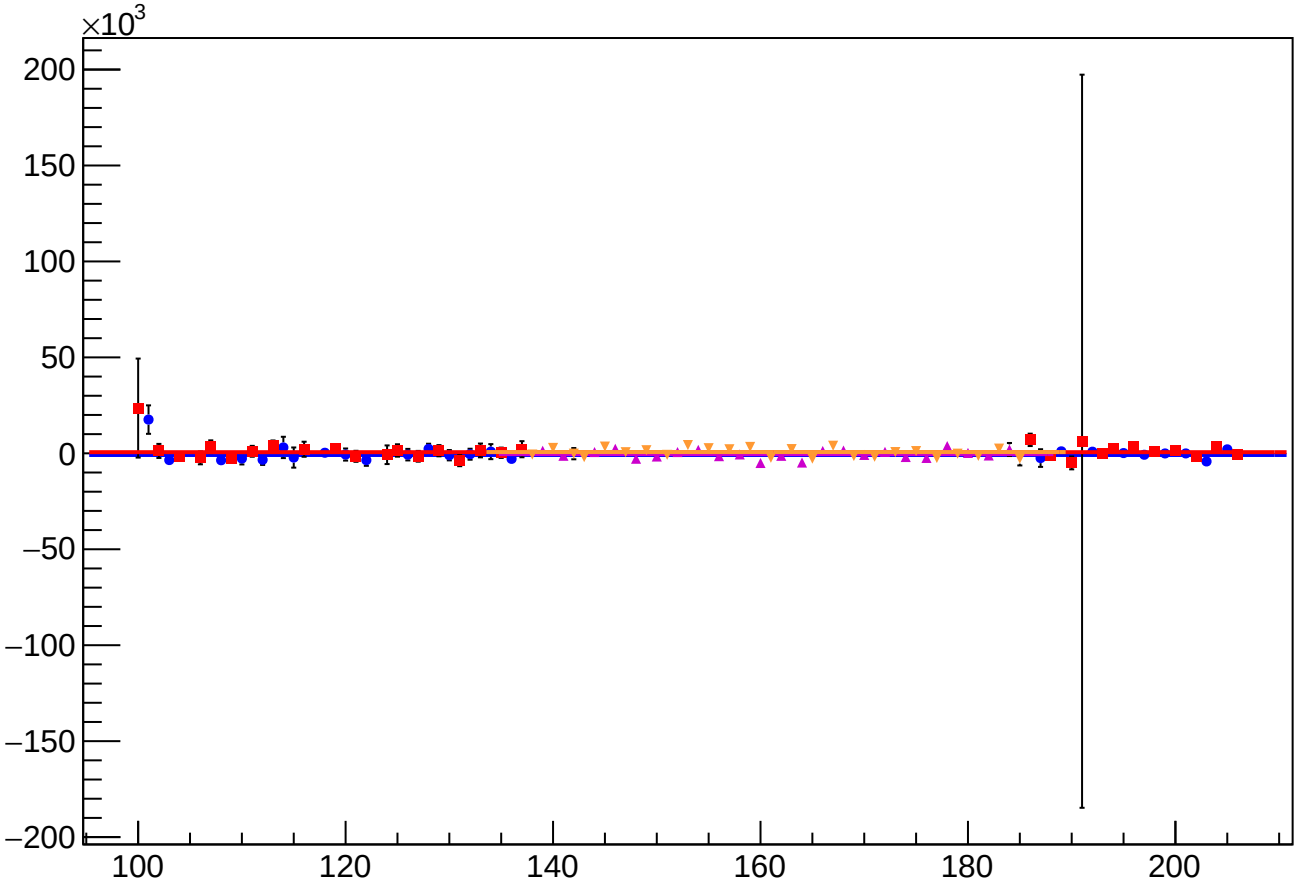
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4471.652+/-0.608 χ^2/NDF: 6519484.4/55

In: 4399.758+/-0.565 χ^2/NDF:3841279.3/47

Out: 4315.530+/-0.532 χ^2/NDF:5133767.8/55

All: 4355.103+/-0.387 χ^2/NDF: 8986817.7/10



Right In: -858.271+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 594.056+/-486.348 χ^2/NDF: 25.0/30

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

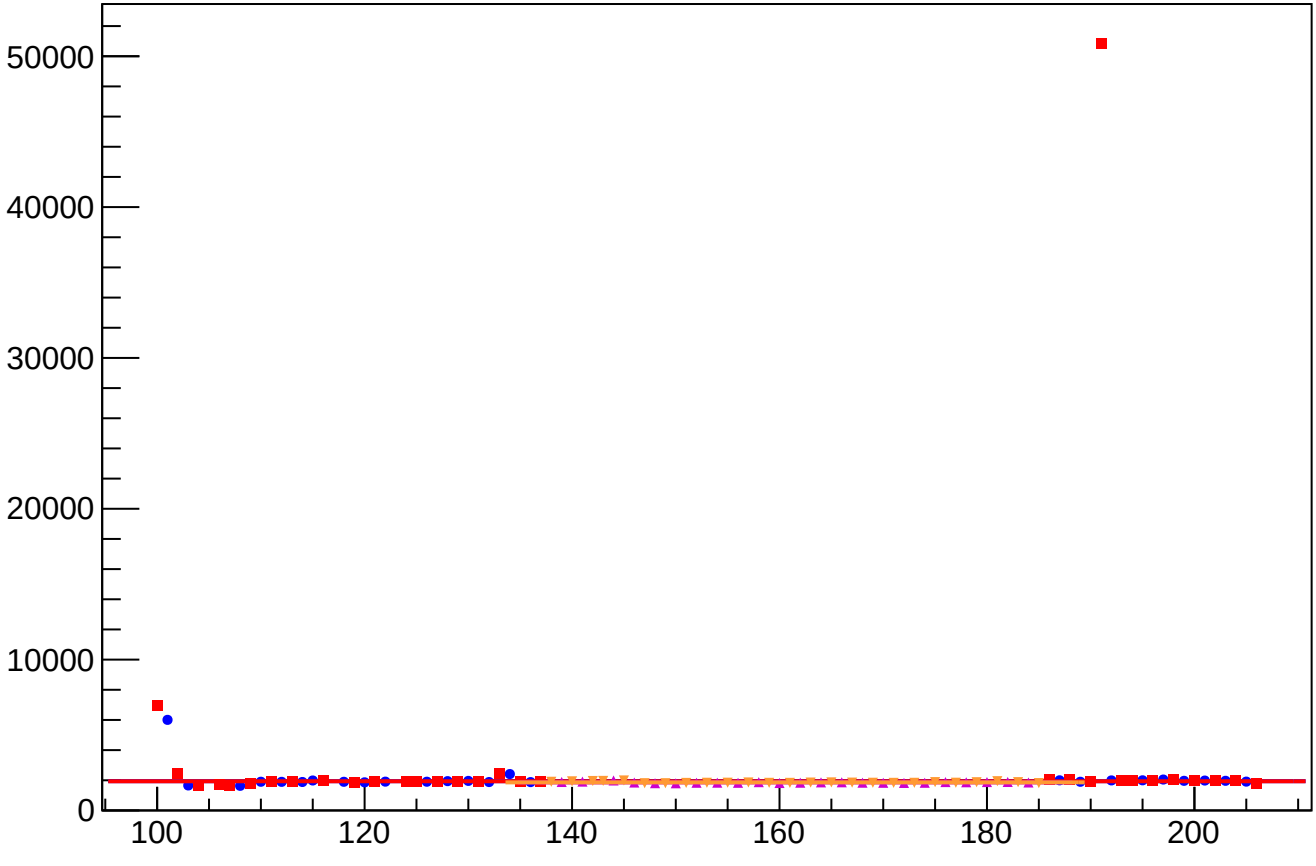
Right: -78.592+/-356.347 χ^2/NDF: 49.9/55

In: -592.993+/-334.077 χ^2/NDF:44.8/47

Out: 630.241+/-319.196 χ^2/NDF:52.1/55

All: 46.473+/-230.787 χ^2/NDF: 103.9/103

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.4/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1935.632+/-0.344 χ^2/NDF: 402731.1/30

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

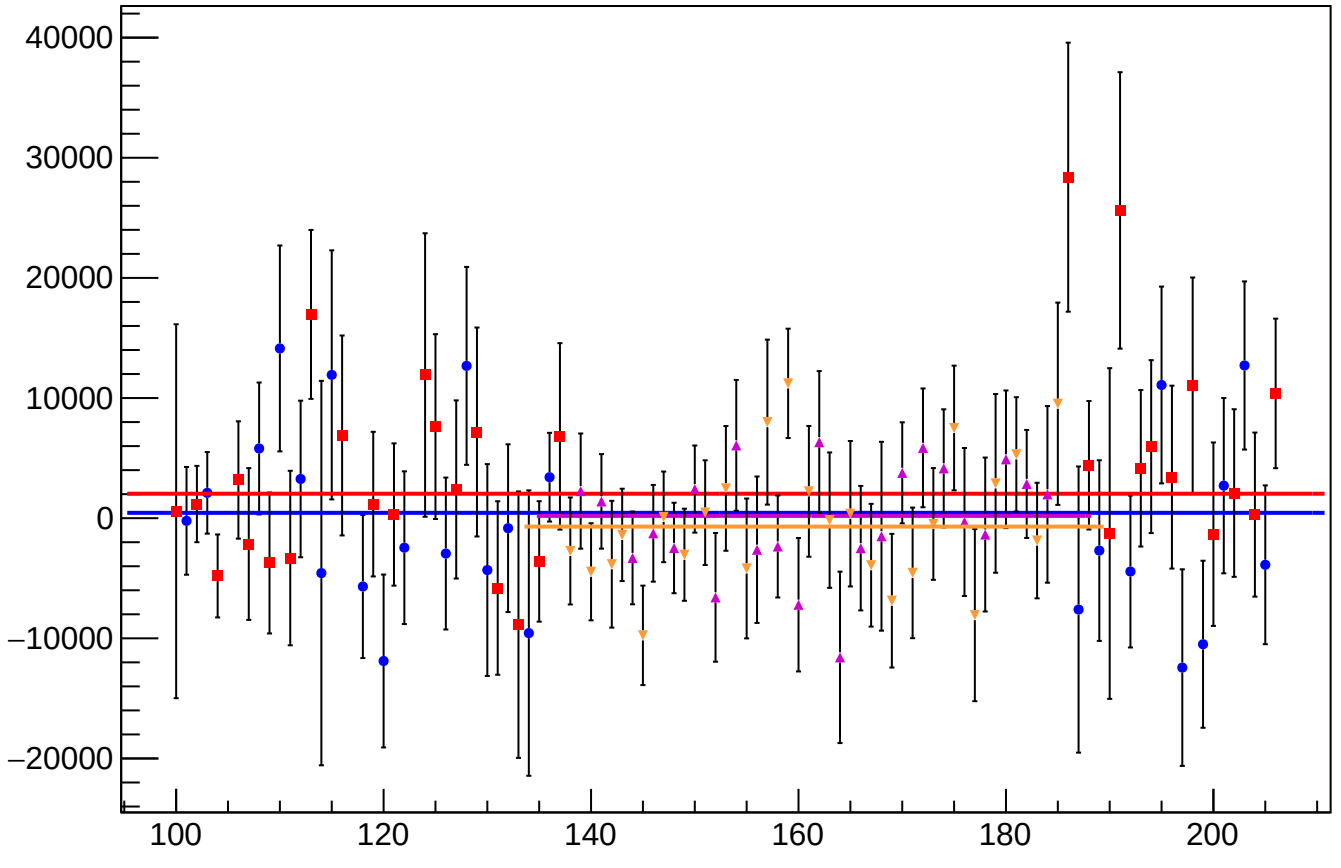
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1938.454+/-0.252 χ^2/NDF: 1112057.1/55

In: 1891.883+/-0.236 χ^2/NDF:756128.7/47

Out: 1893.582+/-0.226 χ^2/NDF:455047.7/55

All: 1892.771+/-0.163 χ^2/NDF: 1211203.5/10



Right In: 445.796+/-1282.248 χ^2/NDF: 25.1/24

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 2036.968+/-1158.190 χ^2/NDF: 29.8/30

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

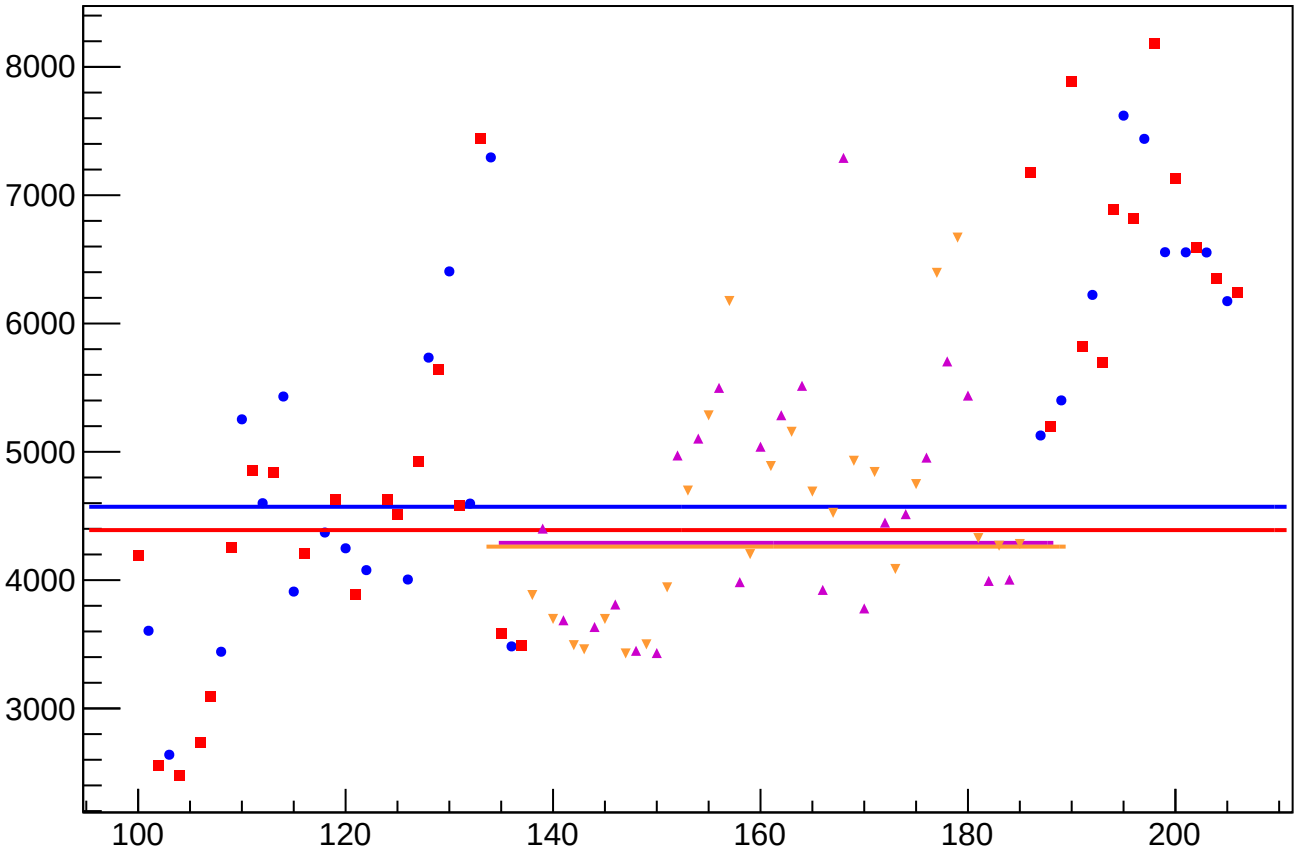
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1322.060+/-859.486 χ^2/NDF: 55.8/55

In: 290.949+/-799.427 χ^2/NDF:40.3/47

Out: 456.542+/-752.557 χ^2/NDF:58.4/55

All: 378.742+/-547.959 χ^2/NDF: 98.7/103



Right In: 4571.745+/-0.907 χ^2/NDF: 2568456.3/24

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4389.985+/-0.819 χ^2/NDF: 3928904.9/30

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

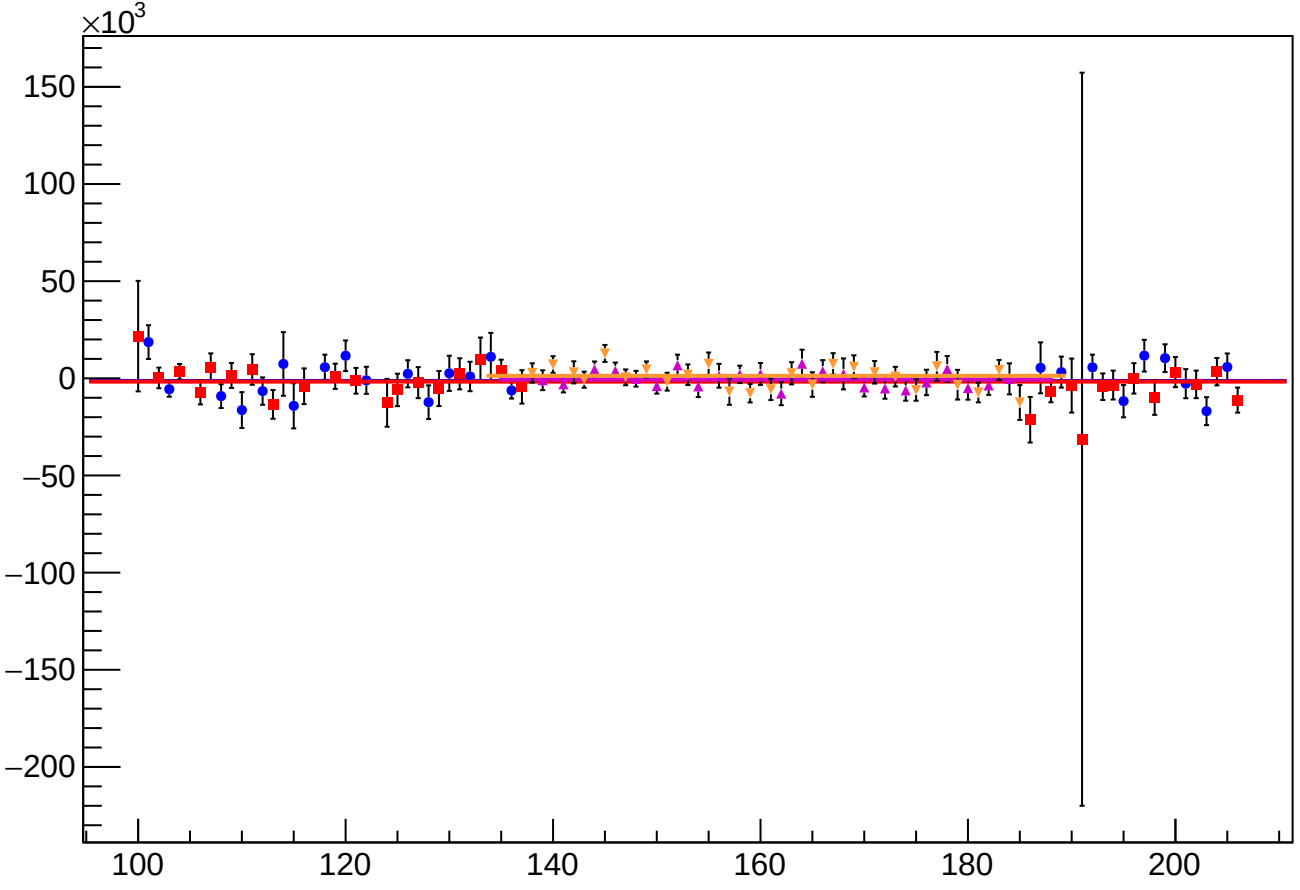
Right: 4471.649+/-0.608 χ^2/NDF: 6519492.3/55

In: 4399.761+/-0.565 χ^2/NDF:3841285.0/47

Out: 4315.533+/-0.532 χ^2/NDF:5133772.7/55

All: 4355.106+/-0.387 χ^2/NDF: 8986828.5/10

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1346.650+/-1428.980 χ^2/NDF: 35.5/24

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1685.997+/-1322.386 χ^2/NDF: 19.3/30

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

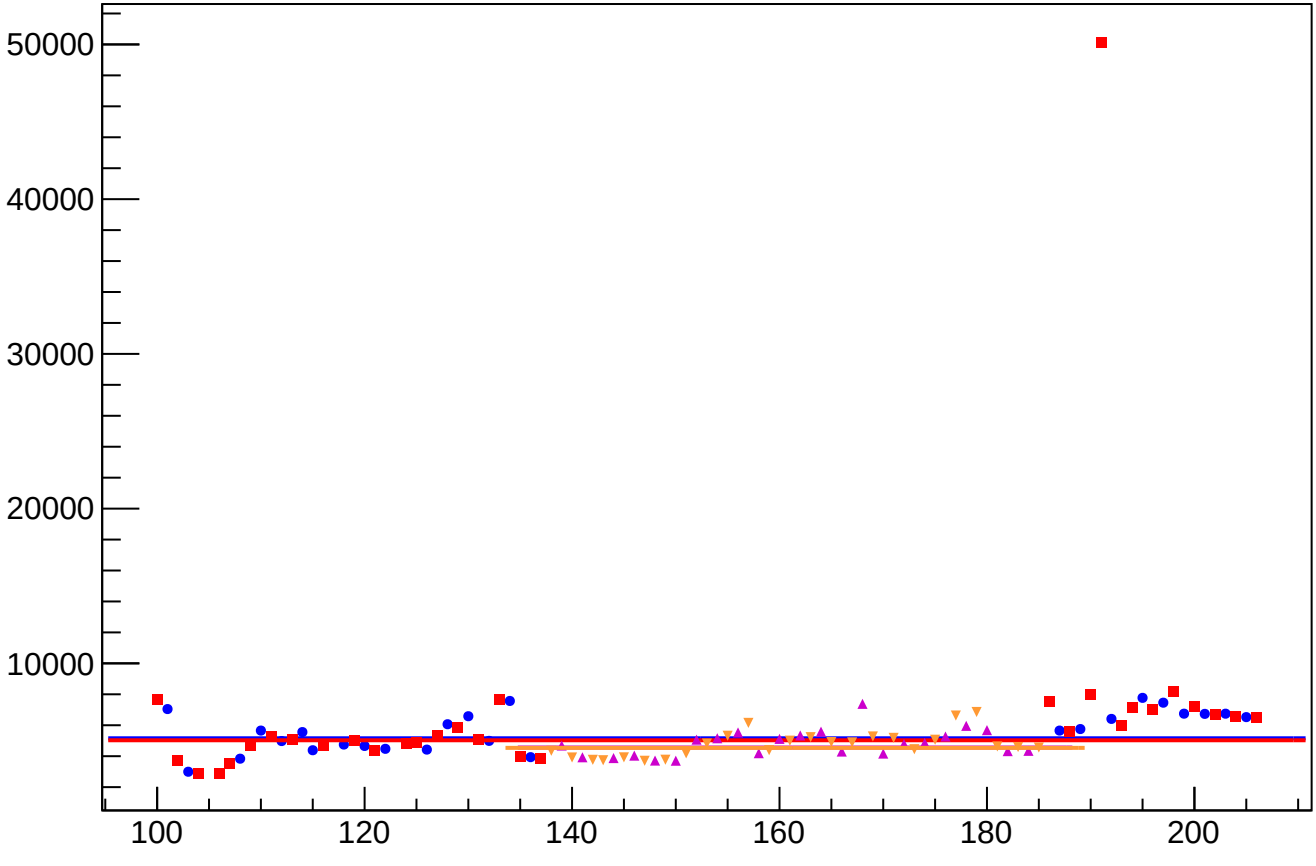
Right: -1529.451+/-970.567 χ^2/NDF: 54.8/55

In: -857.151+/-862.681 χ^2/NDF:50.1/47

Out: 144.981+/-822.092 χ^2/NDF:50.9/55

All: -331.956+/-595.139 χ^2/NDF: 101.7/103

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5157.097+/-1.010 χ^2/NDF: 2013739.2/24

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5029.219+/-0.930 χ^2/NDF: 2739015.8/30

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

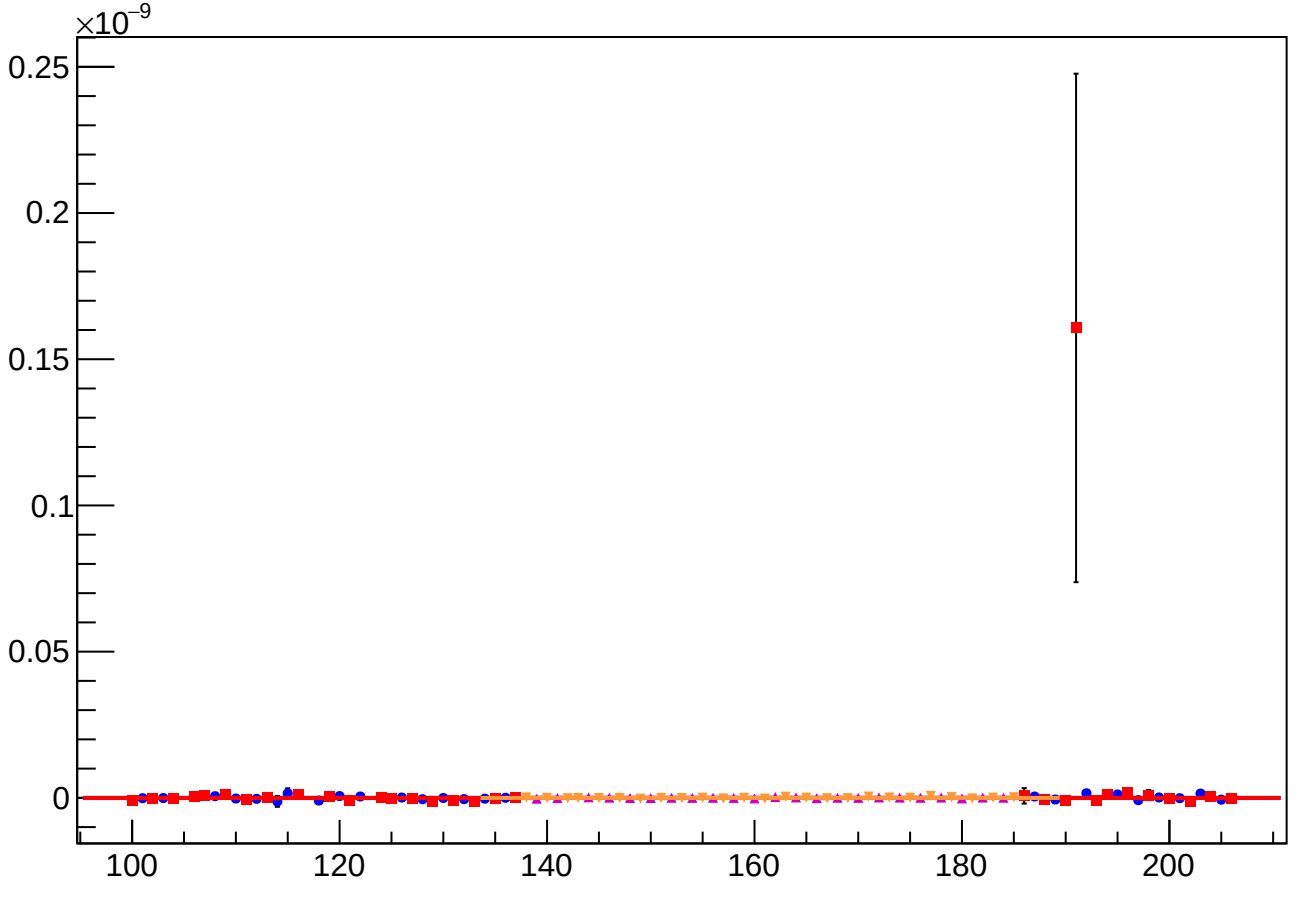
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5087.864+/-0.684 χ^2/NDF: 4761426.4/55

In: 4777.939+/-0.610 χ^2/NDF:3215492.3/47

Out: 4729.078+/-0.580 χ^2/NDF:3902416.5/55

All: 4752.280+/-0.420 χ^2/NDF: 7121278.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

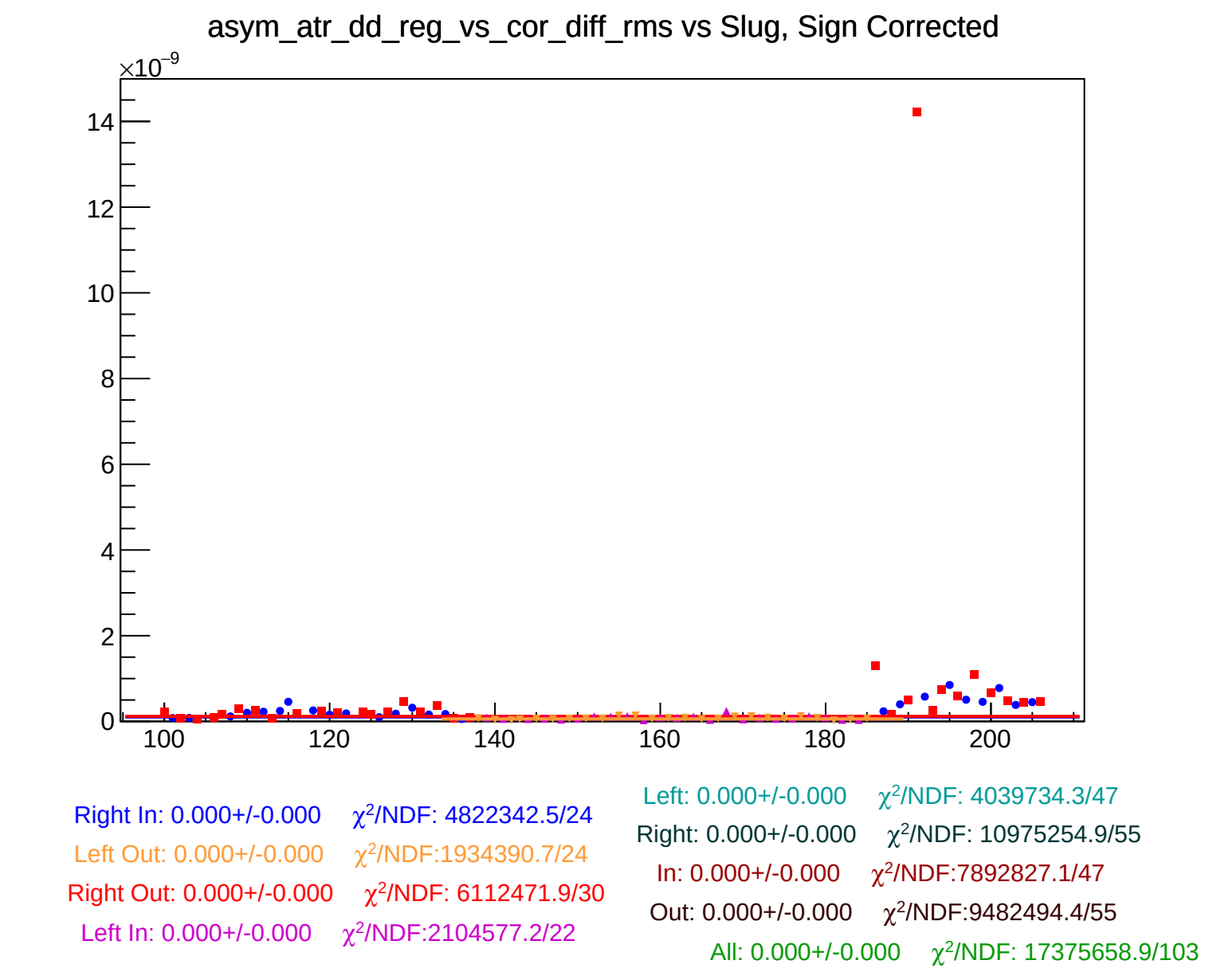
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 58.5/55

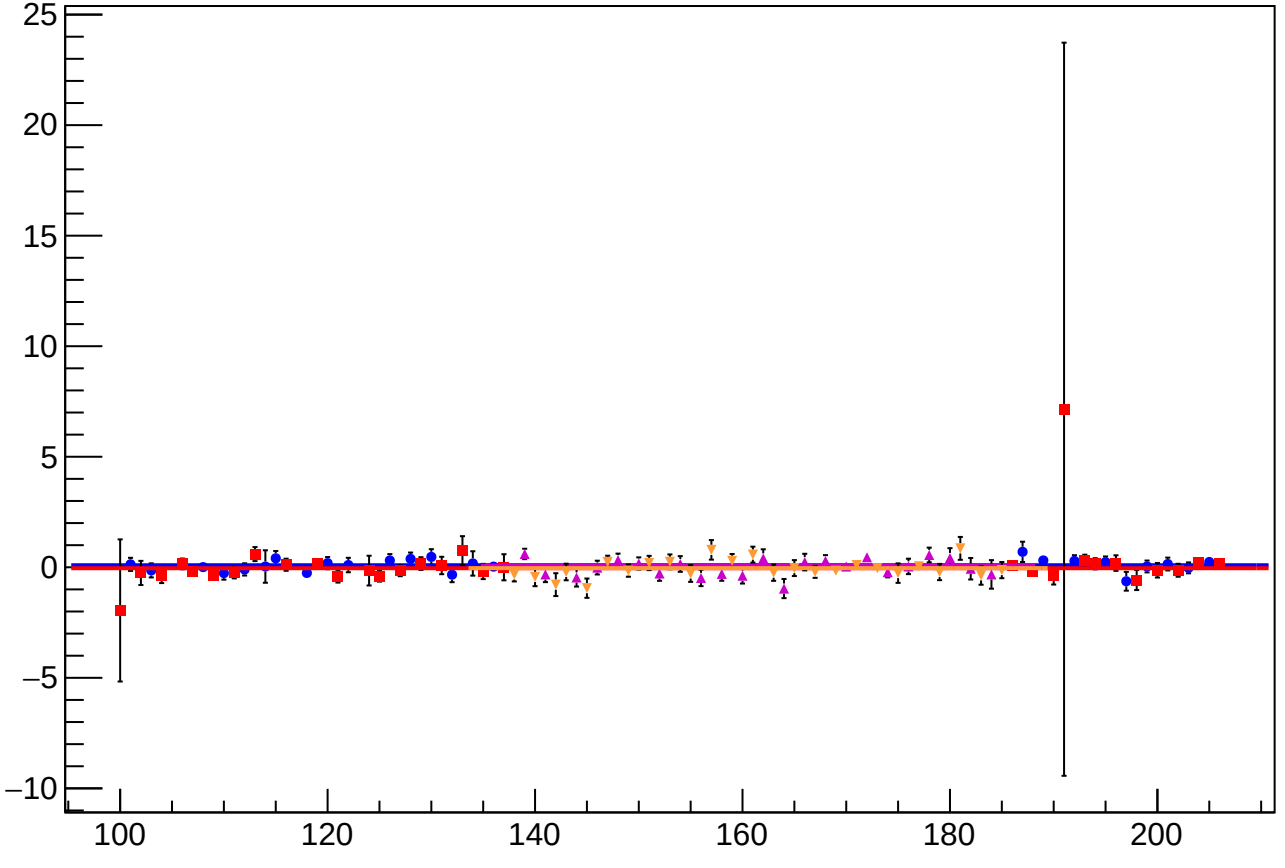
In: 0.000+/-0.000 χ^2/NDF:42.6/47

Out: -0.000+/-0.000 χ^2/NDF:74.3/55

All: -0.000+/-0.000 χ^2/NDF: 118.9/103


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4822342.5/24
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6112471.9/30
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 10975254.9/55
In: 0.000+/-0.000 χ²/NDF:7892827.1/47
Out: 0.000+/-0.000 χ²/NDF:9482494.4/55
All: 0.000+/-0.000 χ²/NDF: 17375658.9/103

asym_atr_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

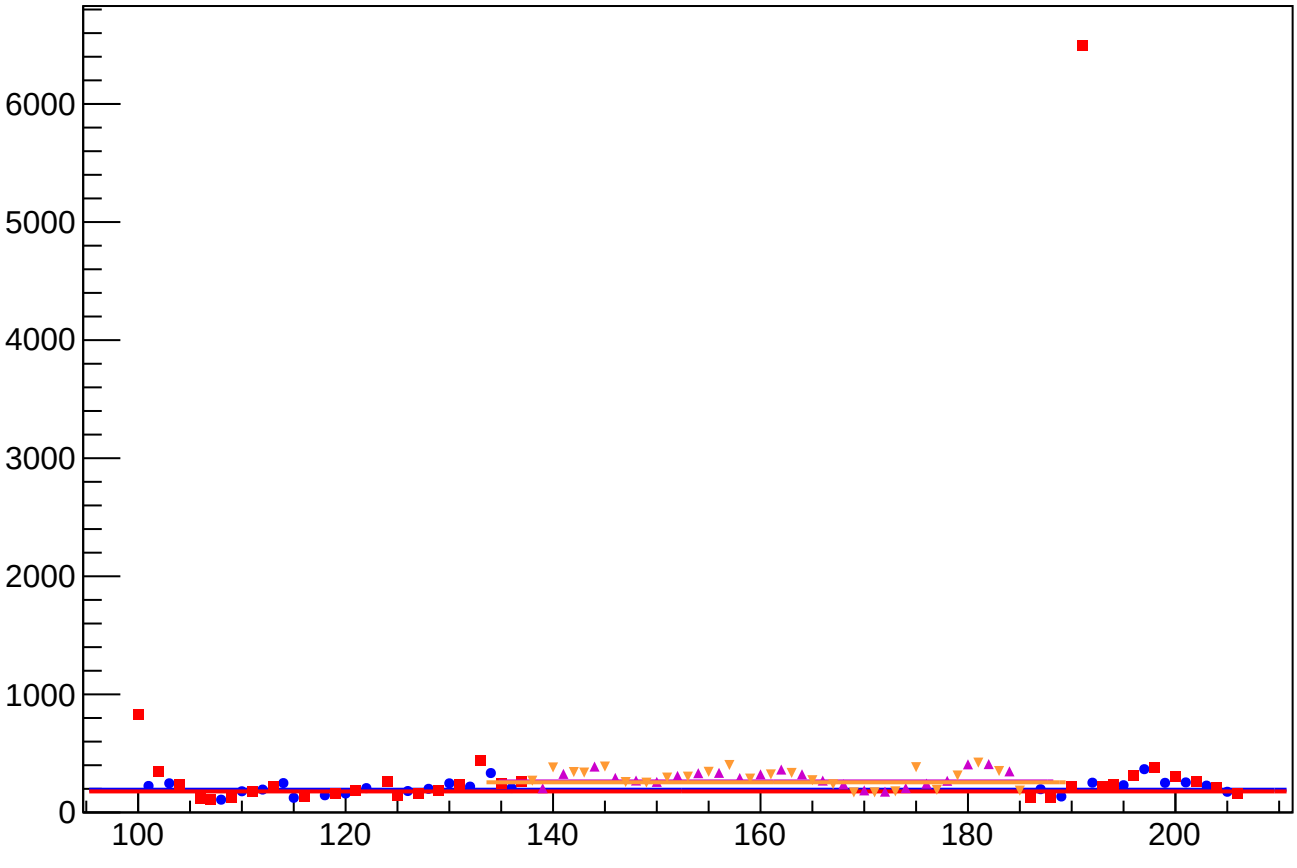
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.017+/-0.036 χ^2/NDF: 50.1/55

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.017+/-0.028 χ^2/NDF: 107.3/103



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

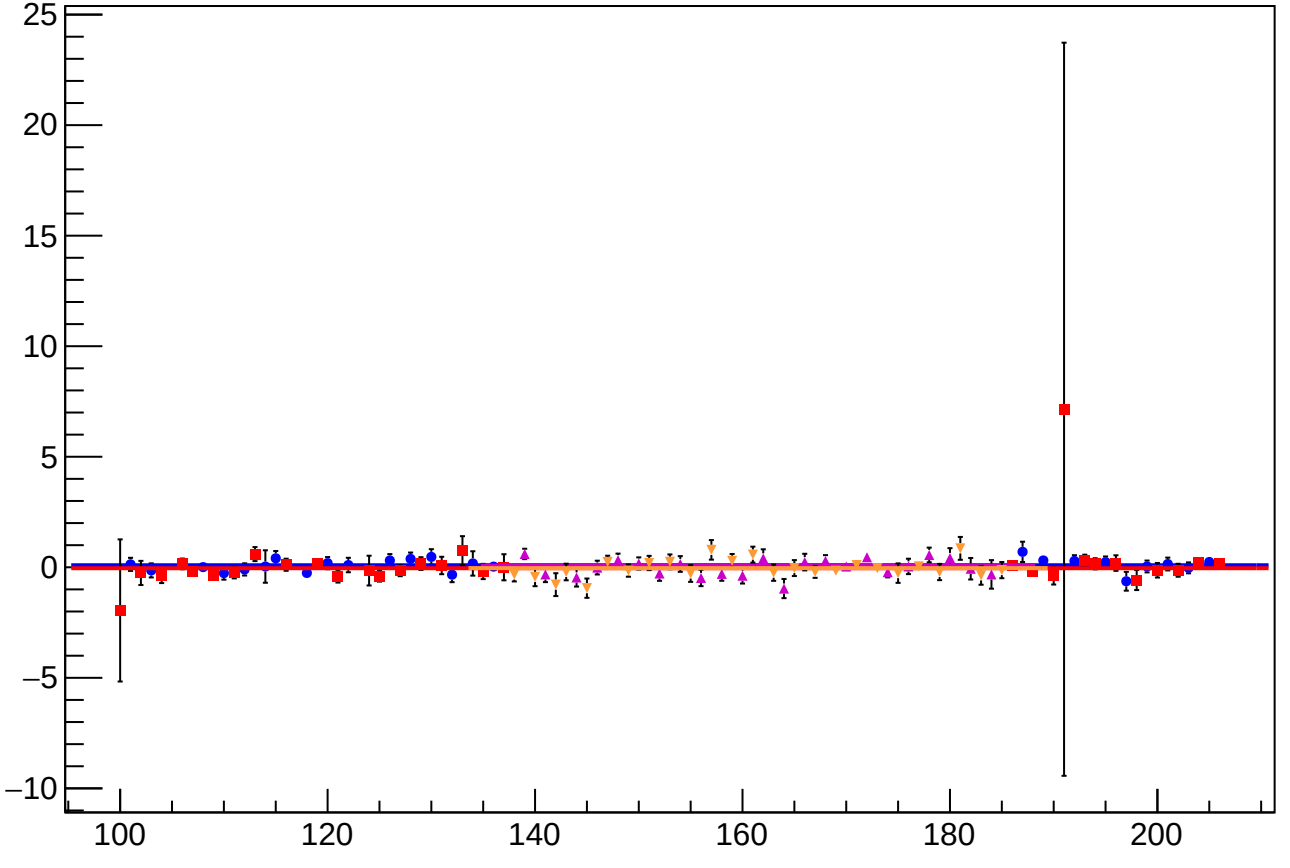
Right: 184.479+/-0.026 χ^2/NDF: 5511433.8/55

In: 221.695+/-0.030 χ^2/NDF:5275199.9/47

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 213.933+/-0.020 χ^2/NDF: 13820837.1/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

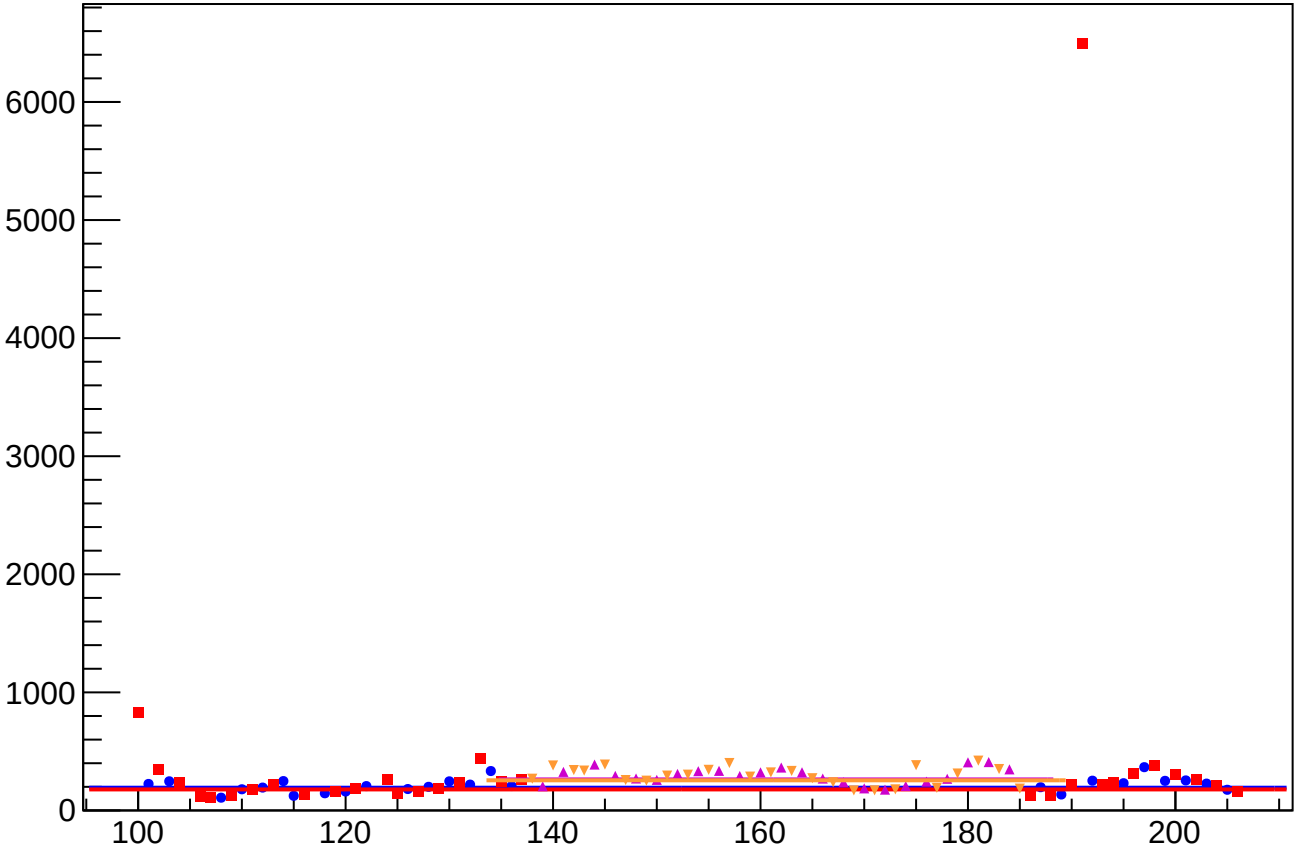
Right: 0.017+/-0.036 χ^2/NDF: 50.1/55

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.017+/-0.028 χ^2/NDF: 107.3/103

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

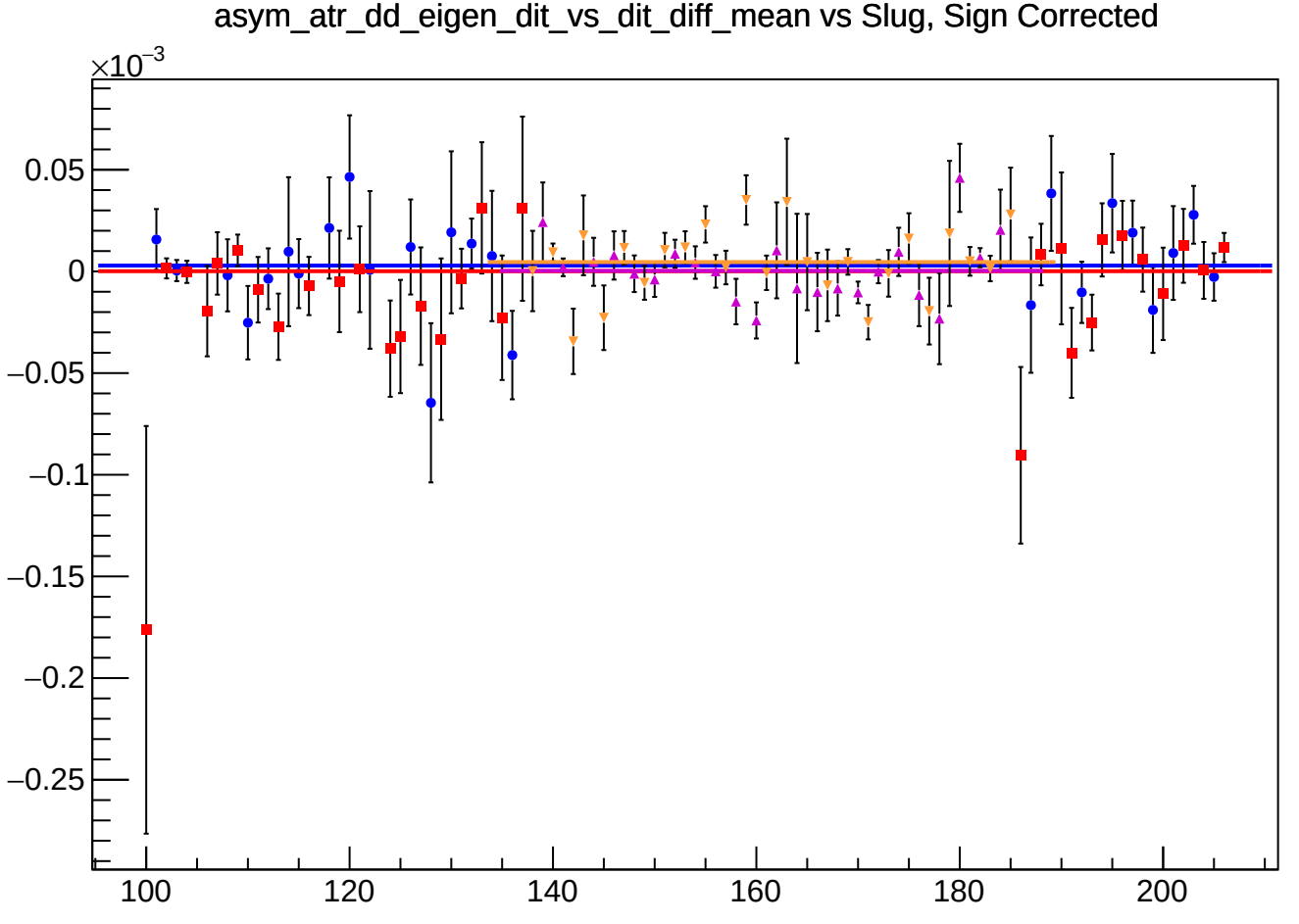
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 184.479+/-0.026 χ^2/NDF: 5511433.8/55

In: 221.695+/-0.030 χ^2/NDF:5275199.9/47

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 213.933+/-0.020 χ^2/NDF: 13820837.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

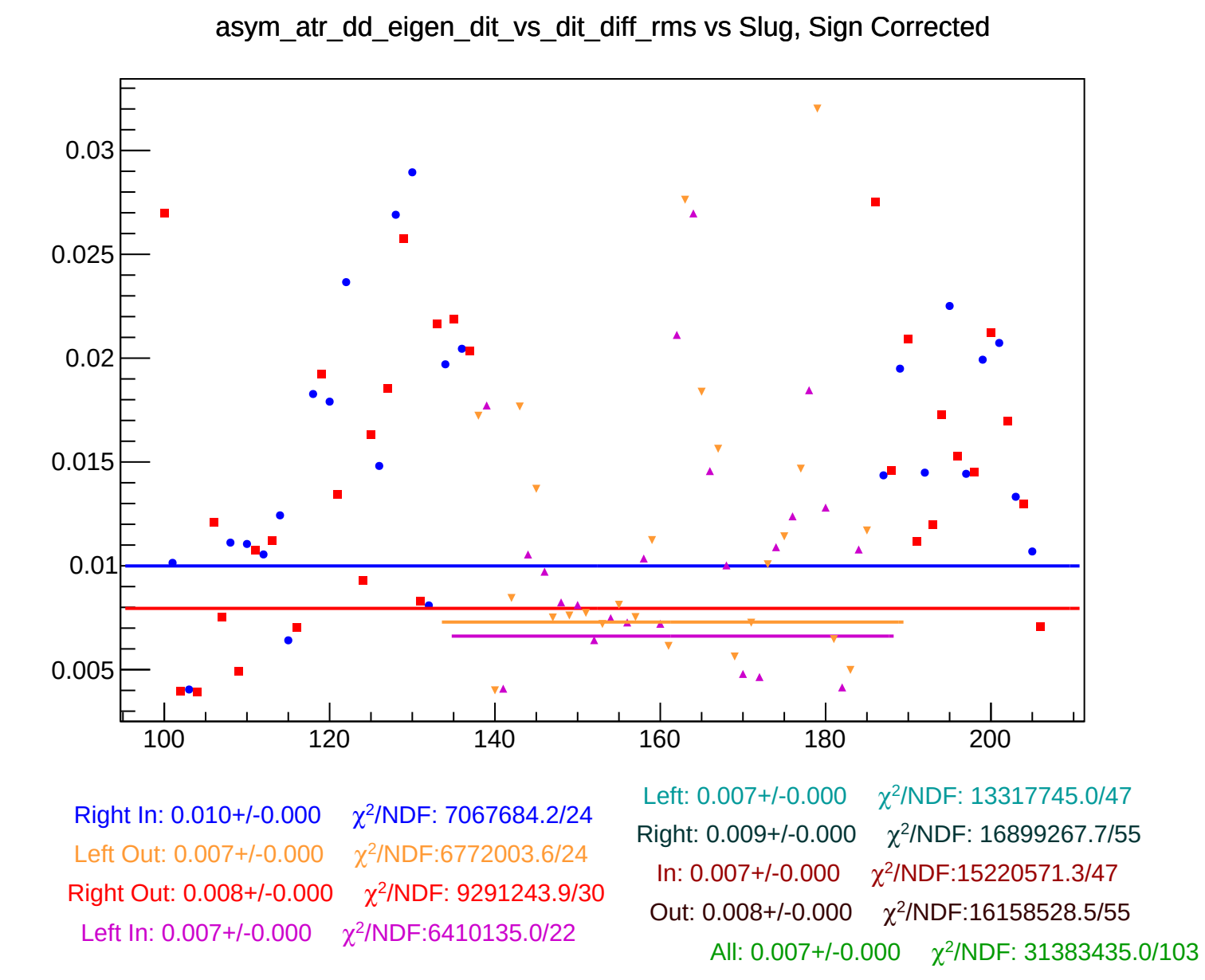
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 57.7/55

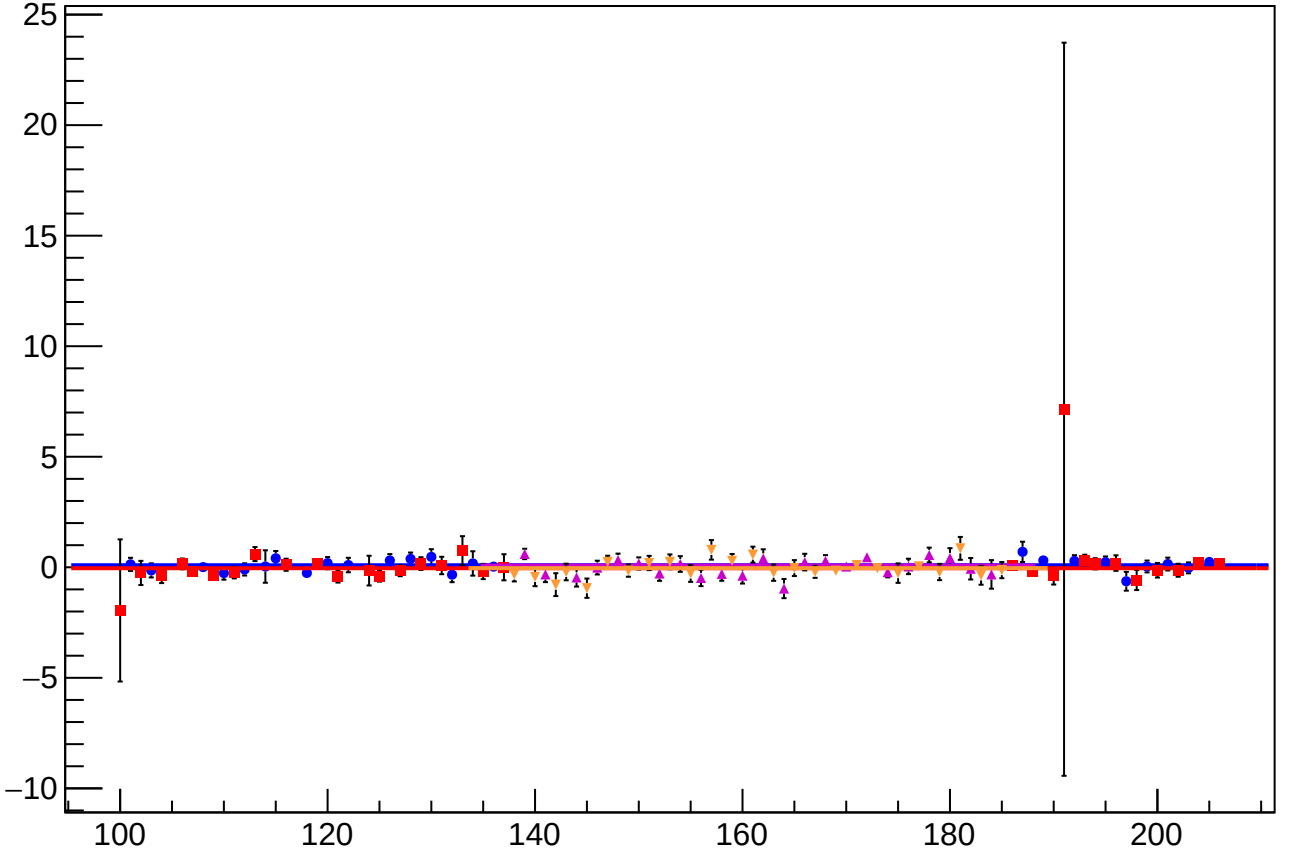
In: 0.000+/-0.000 χ^2/NDF:56.1/47

Out: 0.000+/-0.000 χ^2/NDF:78.4/55

All: 0.000+/-0.000 χ^2/NDF: 135.3/103


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 7067684.2/24
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 9291243.9/30
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.009+/-0.000 χ²/NDF: 16899267.7/55
In: 0.007+/-0.000 χ²/NDF:15220571.3/47
Out: 0.008+/-0.000 χ²/NDF:16158528.5/55
All: 0.007+/-0.000 χ²/NDF: 31383435.0/103

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

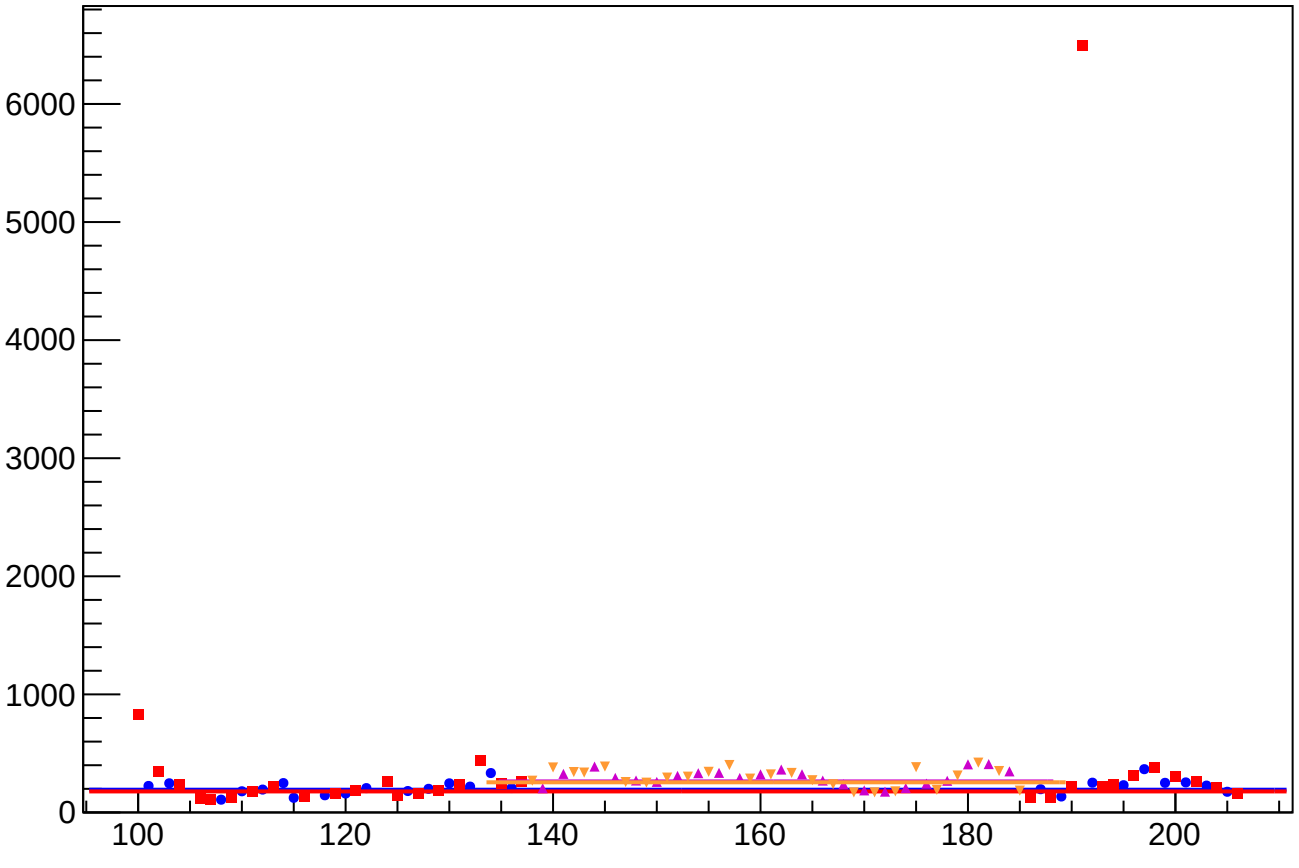
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.017+/-0.036 χ^2/NDF: 50.1/55

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.017+/-0.028 χ^2/NDF: 107.3/103



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

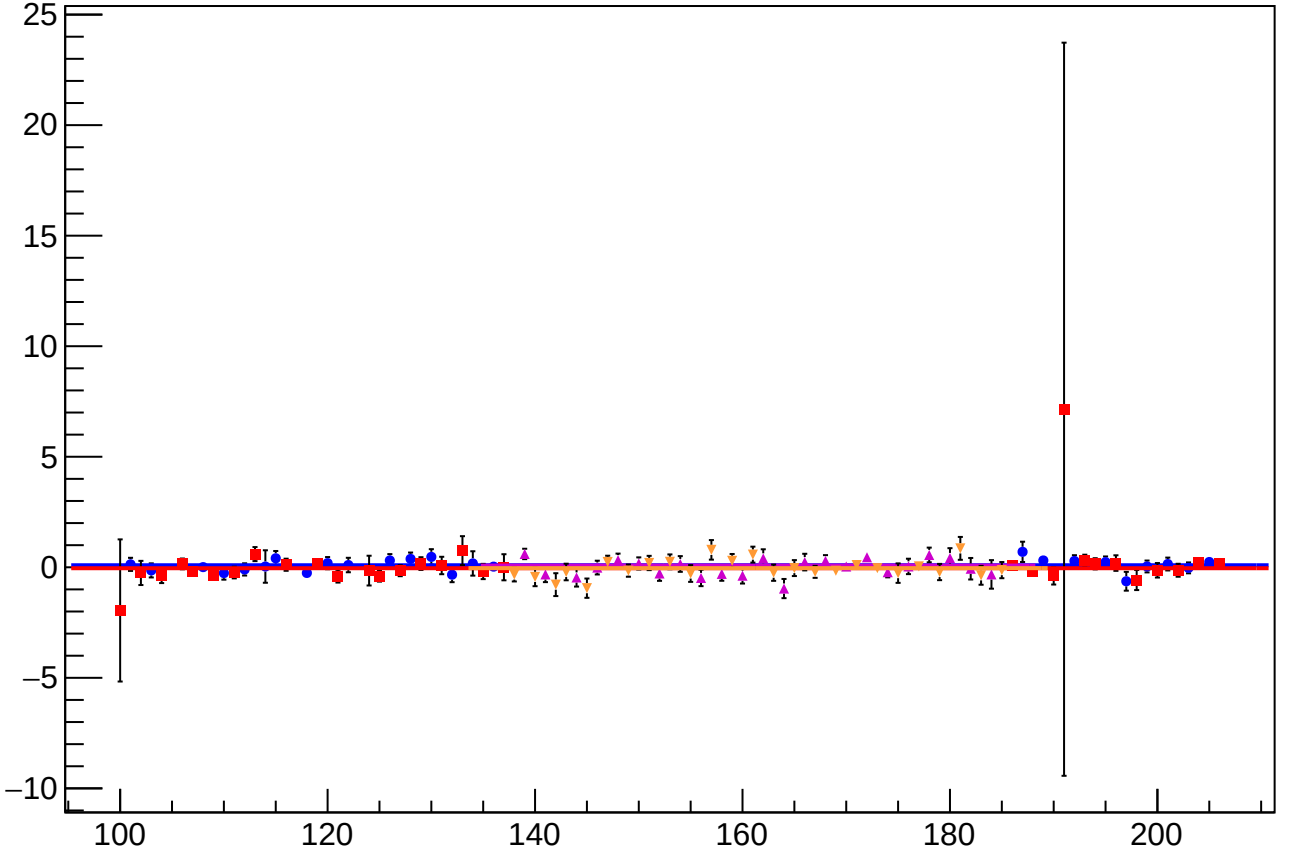
Right: 184.480+/-0.026 χ^2/NDF: 5511388.3/55

In: 221.696+/-0.030 χ^2/NDF:5275343.4/47

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 213.934+/-0.020 χ^2/NDF: 13821017.1/10

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

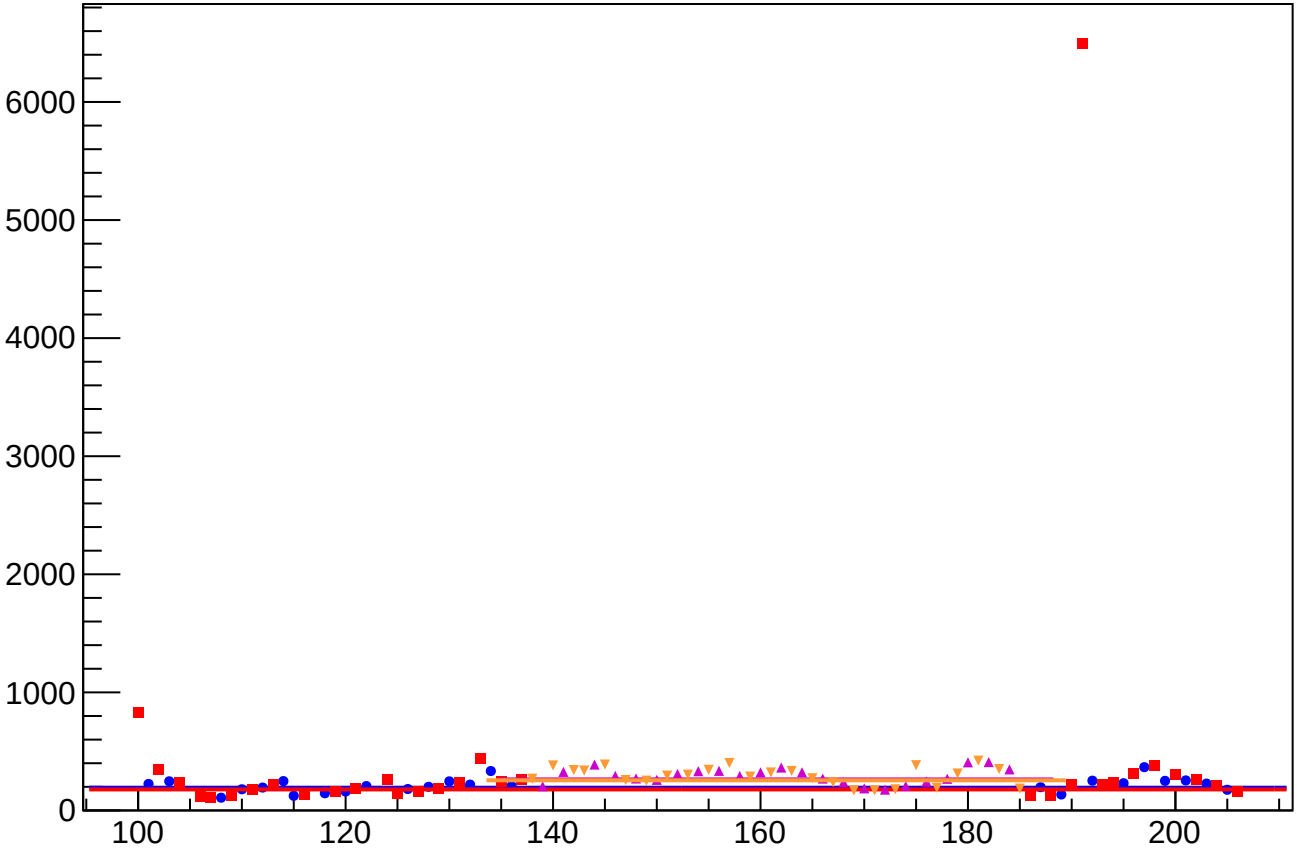
Right: 0.017+/-0.036 χ^2/NDF: 50.1/55

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.017+/-0.028 χ^2/NDF: 107.3/103

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

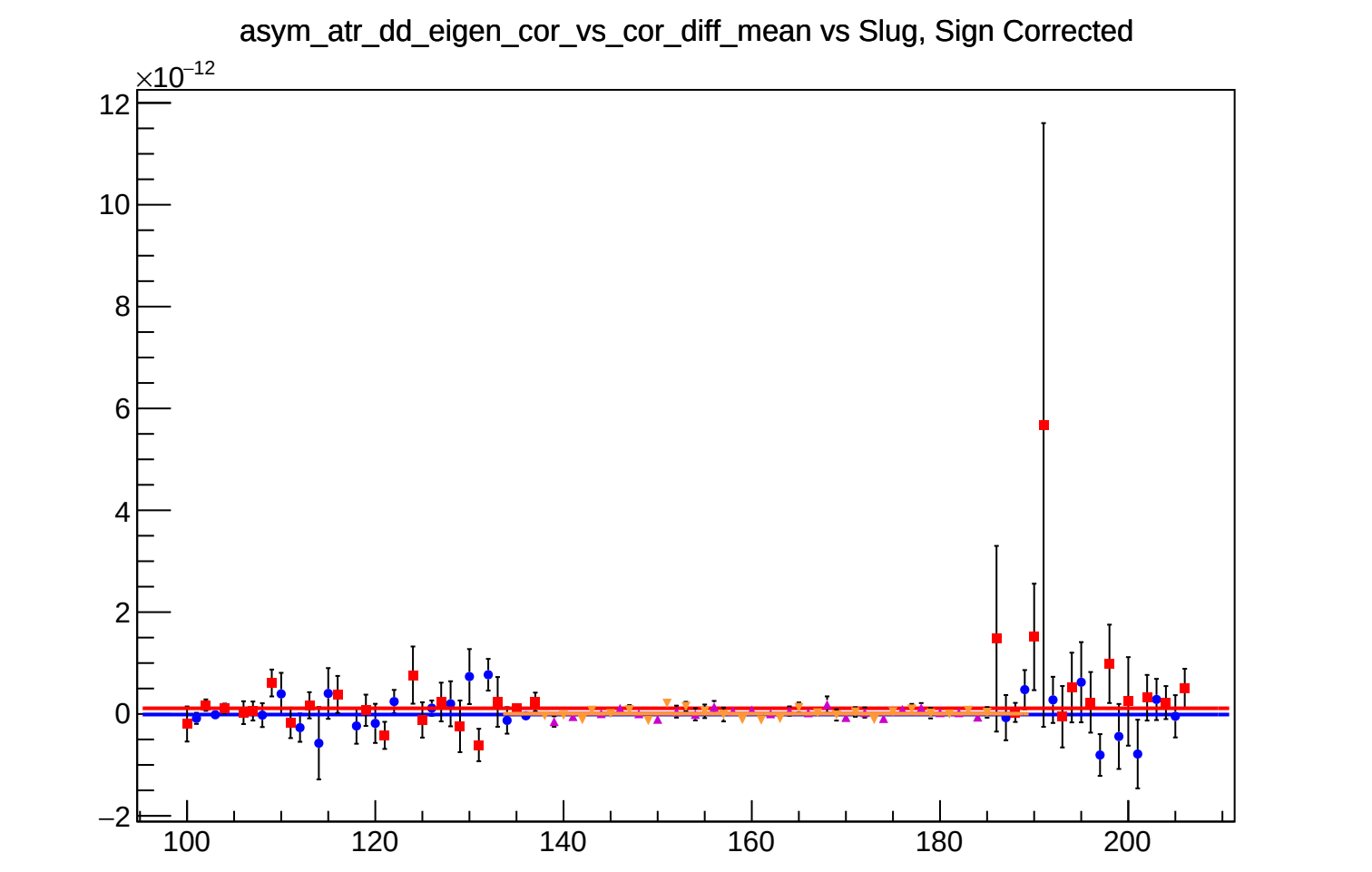
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 184.480+/-0.026 χ^2/NDF: 5511388.3/55

In: 221.696+/-0.030 χ^2/NDF:5275343.4/47

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 213.934+/-0.020 χ^2/NDF: 13821017.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/30

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

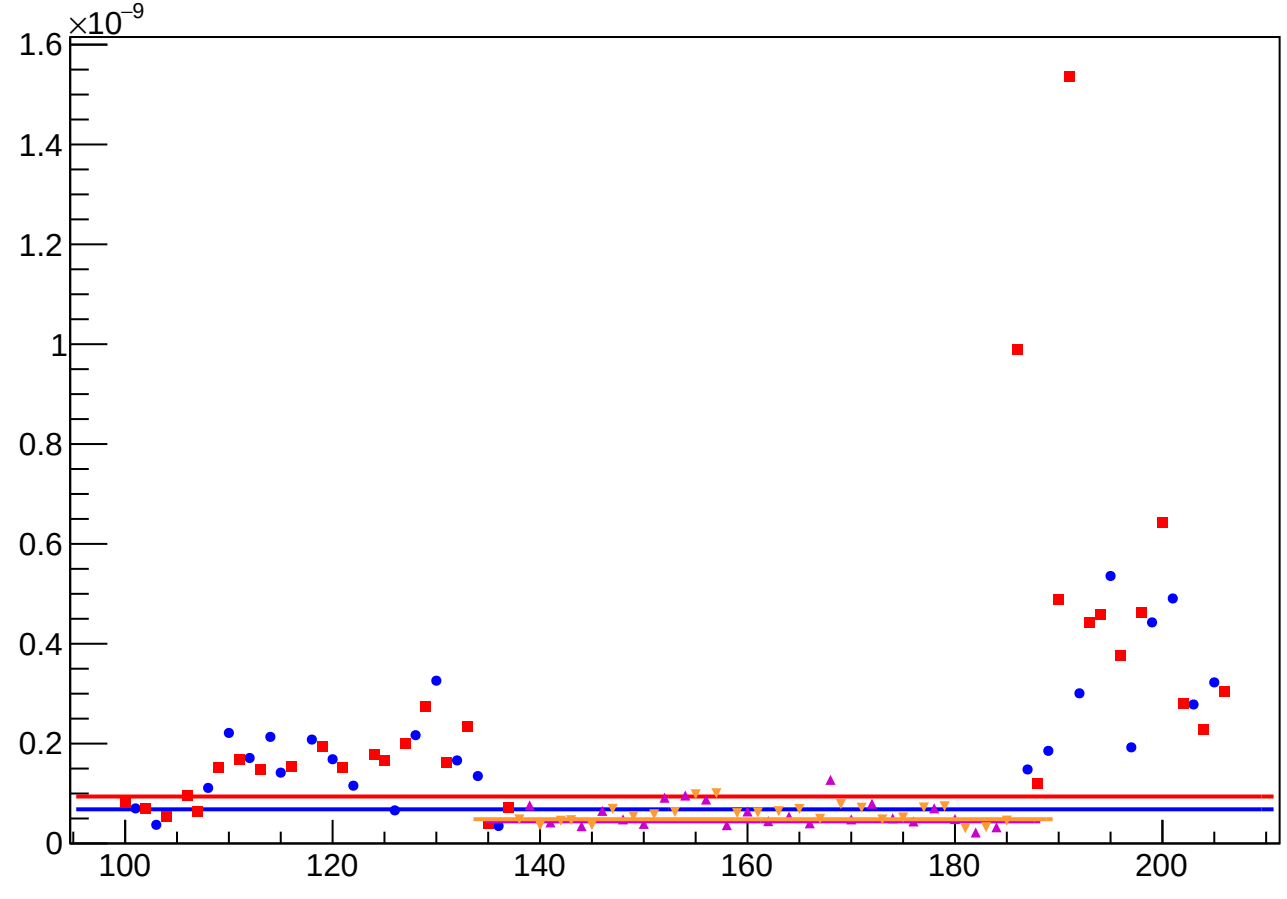
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 54.3/55

In: 0.000+/-0.000 χ^2/NDF:45.4/47

Out: 0.000+/-0.000 χ^2/NDF:61.8/55

All: 0.000+/-0.000 χ^2/NDF: 107.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 7926322.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8167522.4/30

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

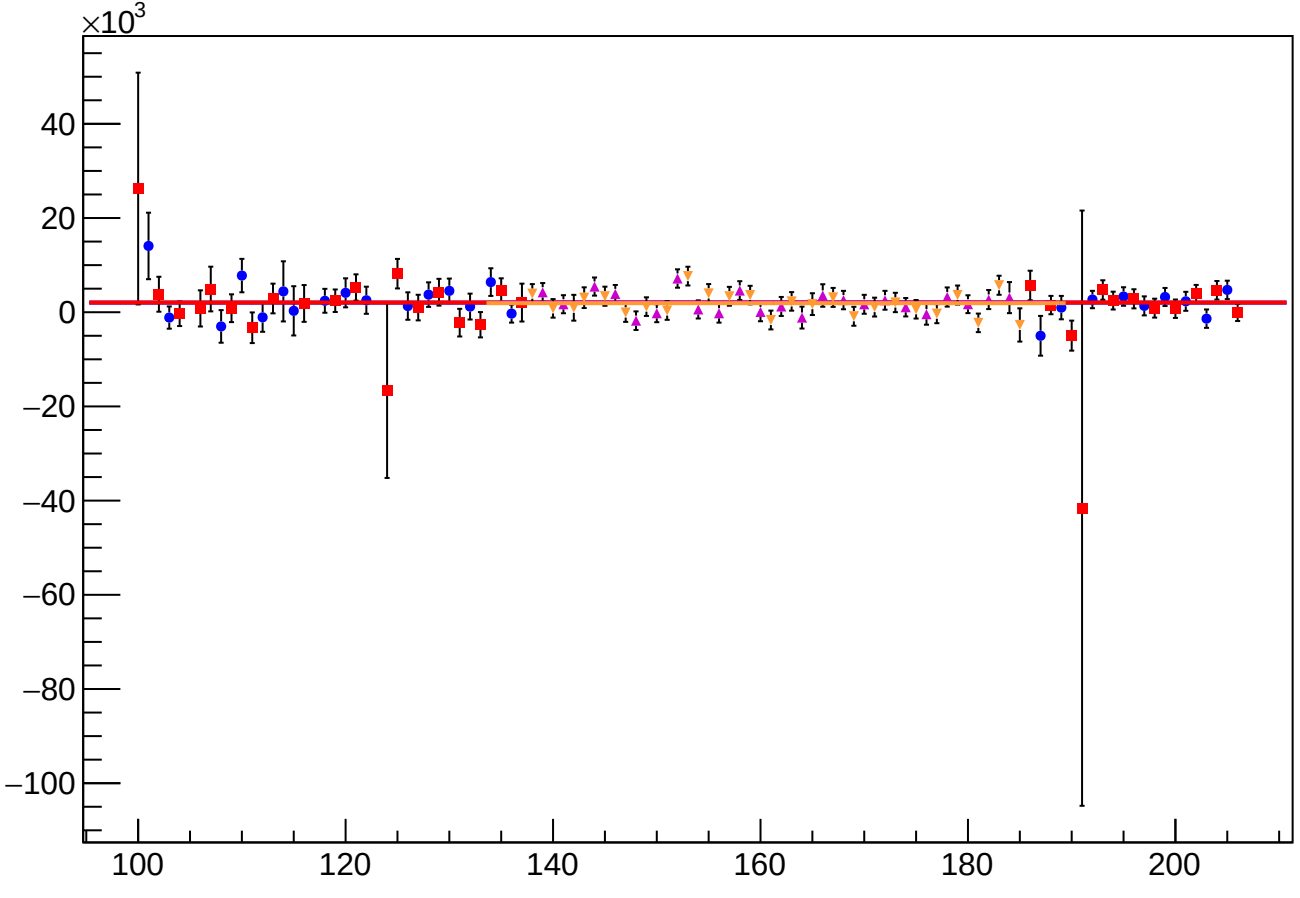
Right: 0.000+/-0.000 χ^2/NDF: 16567526.8/55

In: 0.000+/-0.000 χ^2/NDF:12400560.7/47

Out: 0.000+/-0.000 χ^2/NDF:12959455.8/55

All: 0.000+/-0.000 χ^2/NDF: 25575861.4/103

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.931+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2064.035+/-476.323 χ^2/NDF: 32.0/30

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

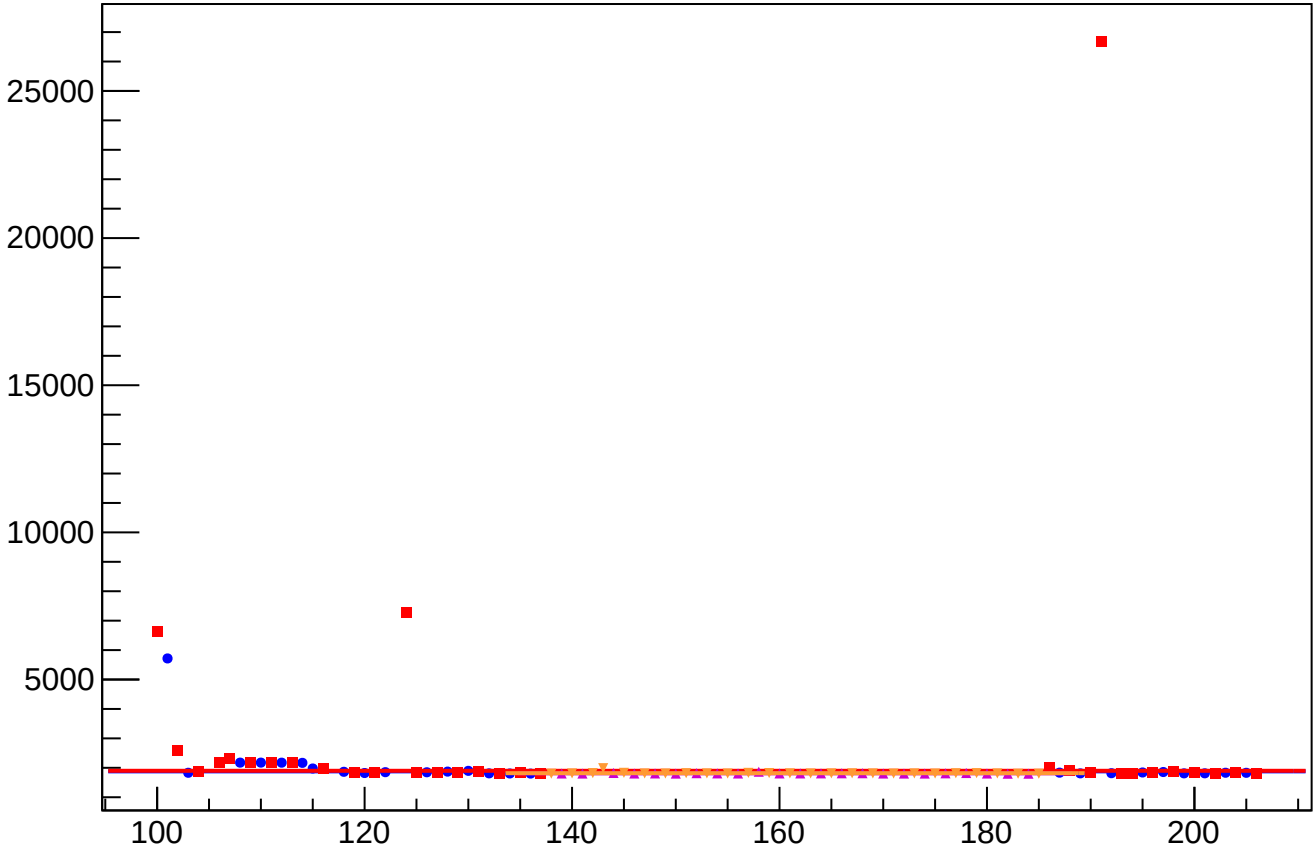
Right: 2052.248+/-346.926 χ^2/NDF: 57.4/55

In: 2059.697+/-324.708 χ^2/NDF:52.0/47

Out: 1982.155+/-312.002 χ^2/NDF:64.6/55

All: 2019.379+/-224.977 χ^2/NDF: 116.6/103

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1898.698+/-0.337 χ^2/NDF: 734405.9/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

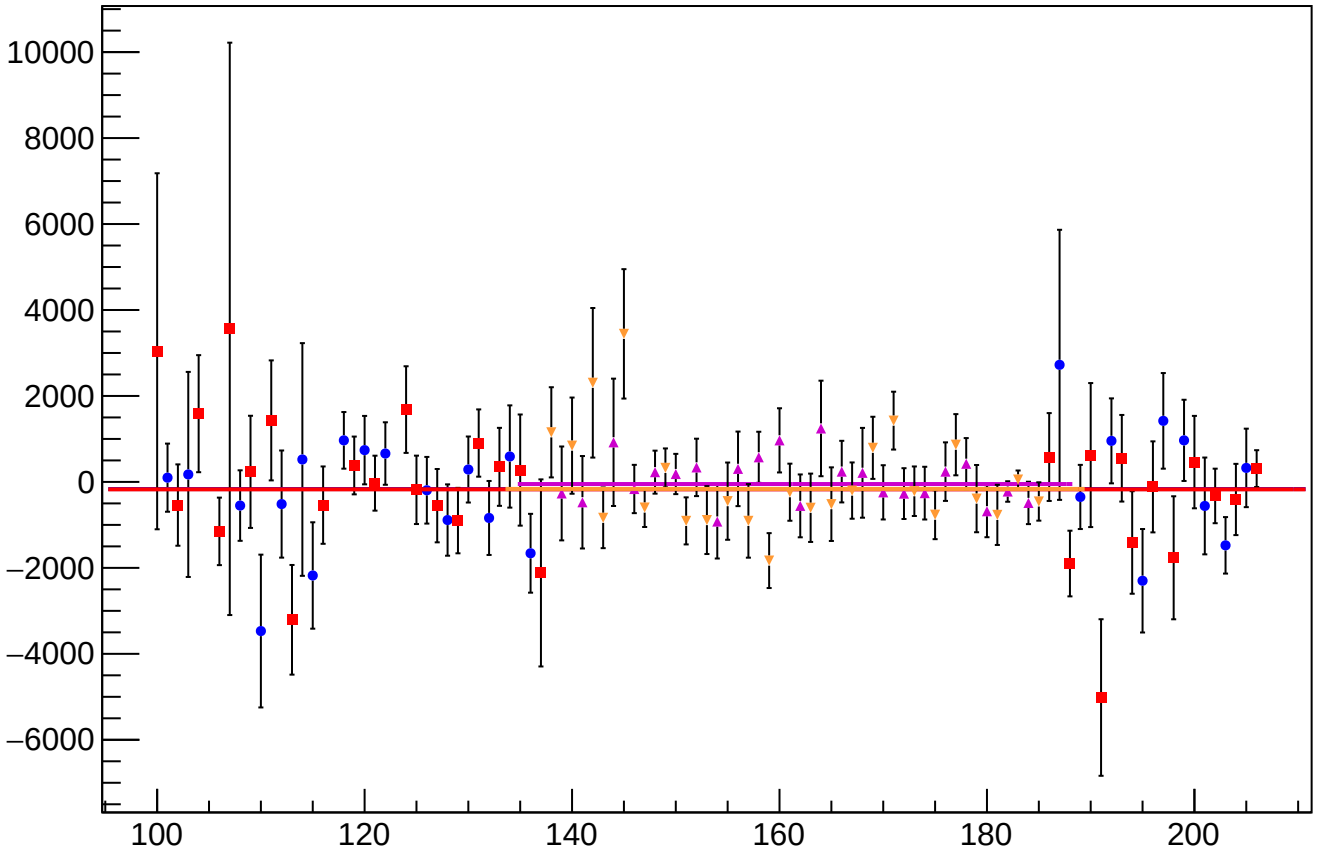
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1889.618+/-0.245 χ^2/NDF: 1398438.3/55

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1852.352+/-0.221 χ^2/NDF:780524.1/55

All: 1846.435+/-0.159 χ^2/NDF: 1467023.6/10



Right In: -166.388+/-186.746 χ^2/NDF: 30.1/24

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -172.884+/-164.514 χ^2/NDF: 37.5/30

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

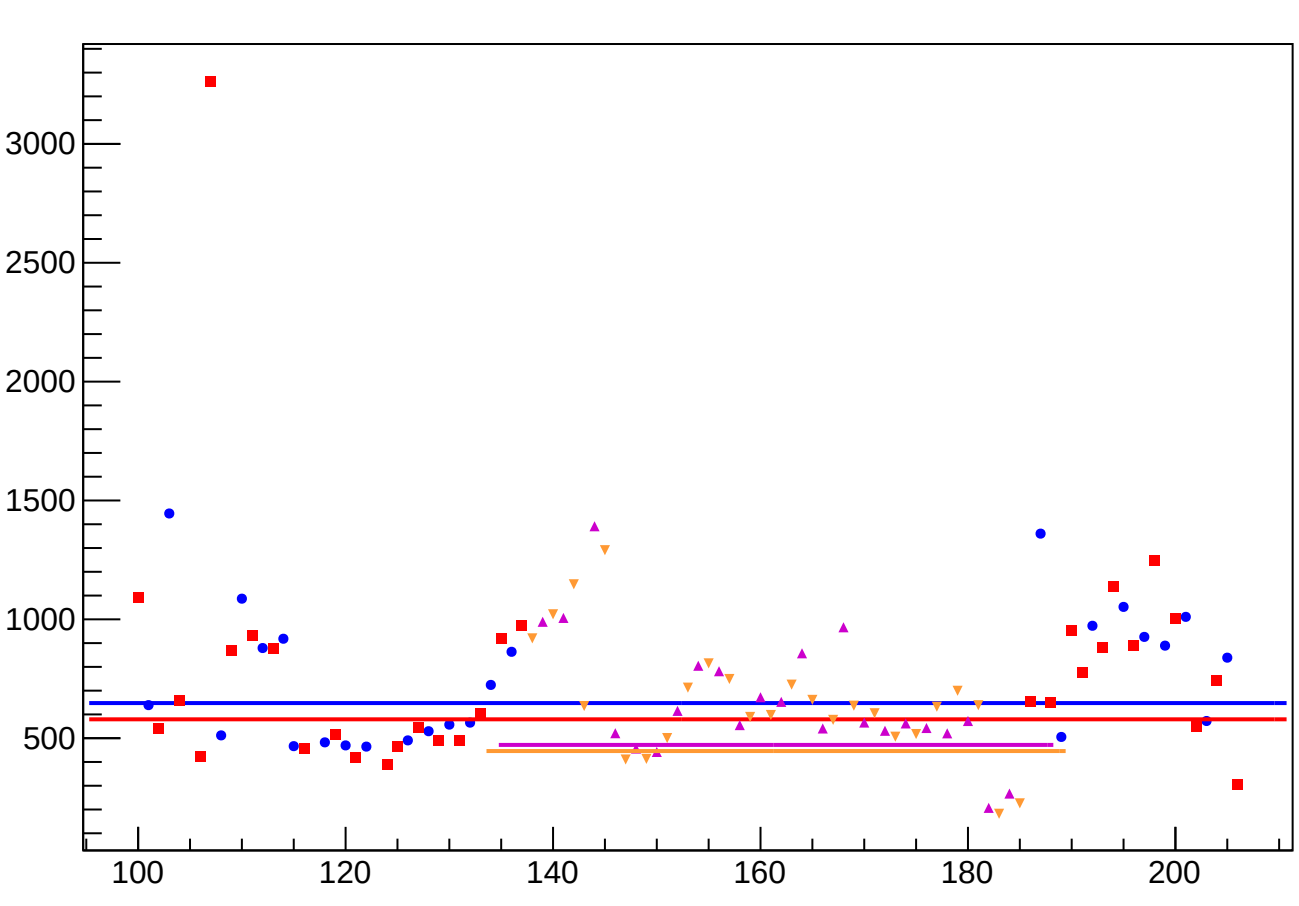
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -170.046+/-123.445 χ^2/NDF: 67.6/55

In: -84.595+/-102.541 χ^2/NDF:41.7/47

Out: -166.253+/-94.417 χ^2/NDF:74.3/55

All: -128.786+/-69.458 χ^2/NDF: 116.4/103



Right In: 647.758+/-0.132 χ^2/NDF: 2368712.2/24

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 579.396+/-0.116 χ^2/NDF: 3910394.3/30

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

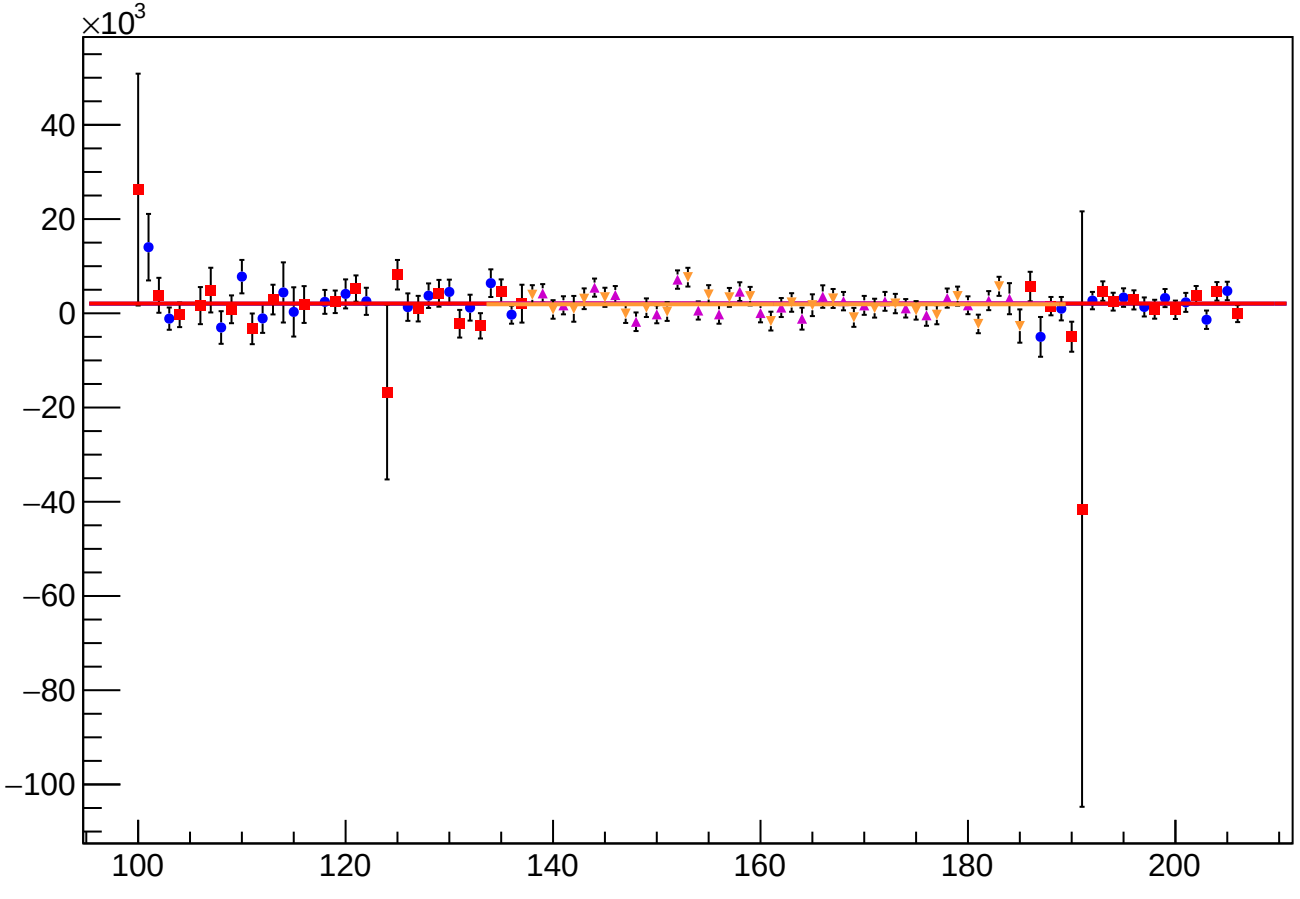
Right: 609.267+/-0.087 χ^2/NDF: 6430007.8/55

In: 524.814+/-0.073 χ^2/NDF:10023633.7/47

Out: 489.866+/-0.067 χ^2/NDF:12776098.0/55

All: 505.901+/-0.049 χ^2/NDF: 22925454.0/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2077.097+/-476.498 χ^2/NDF: 31.9/30

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

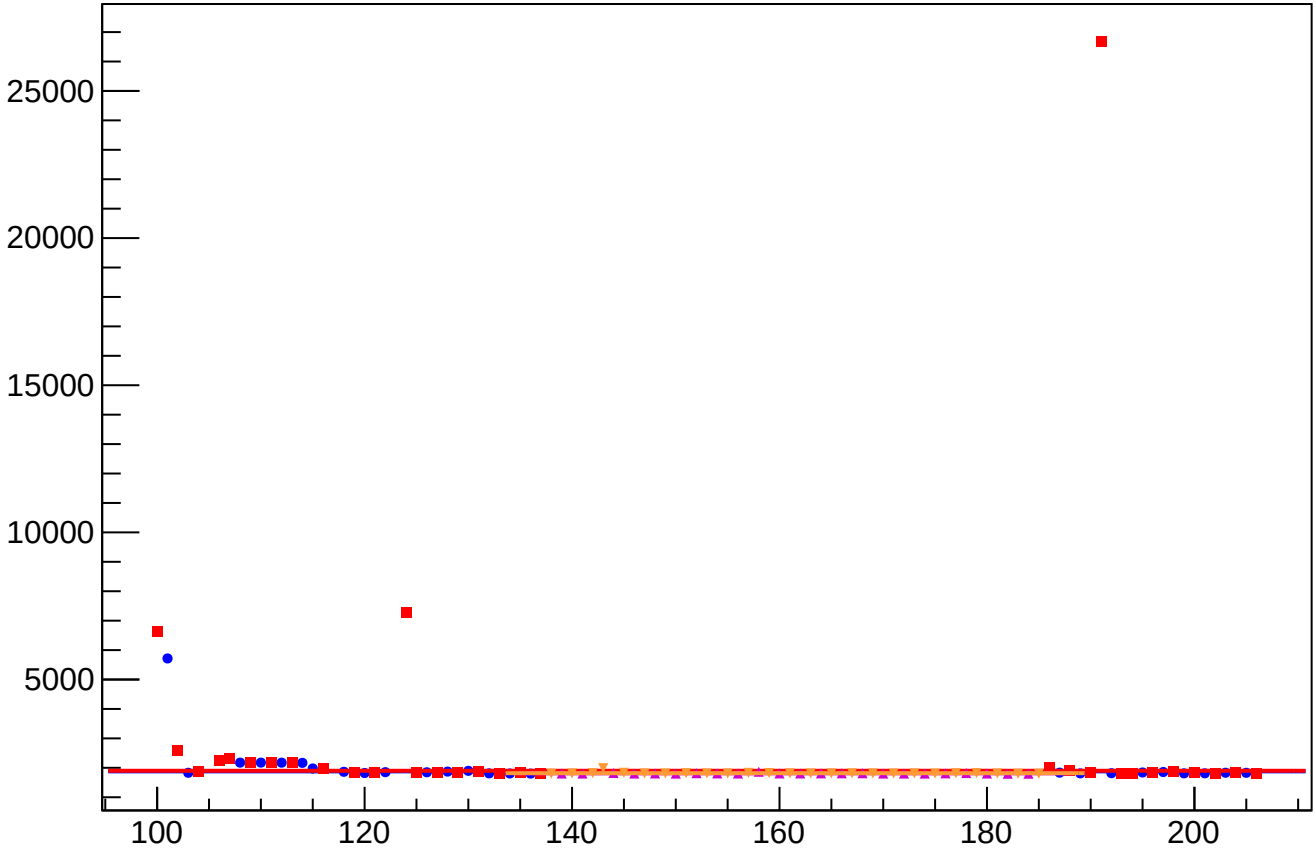
Right: 2059.135+/-346.993 χ^2/NDF: 57.3/55

In: 2059.725+/-324.708 χ^2/NDF:52.0/47

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2022.287+/-224.995 χ^2/NDF: 116.5/103

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

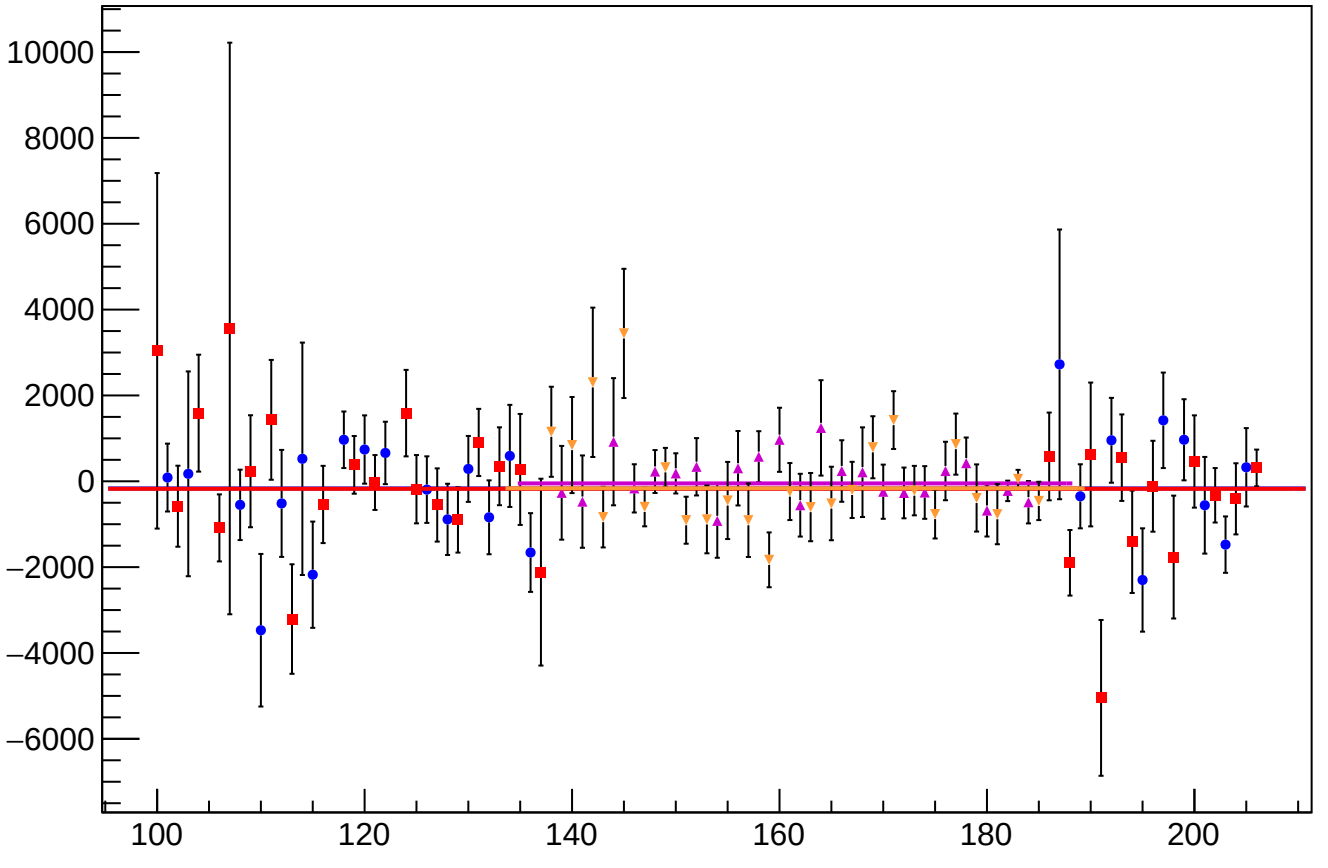
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1889.894+/-0.245 χ^2/NDF: 1402146.0/55

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1846.544+/-0.159 χ^2/NDF: 1471116.4/10



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -174.717+/-164.451 χ^2/NDF: 37.1/30

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

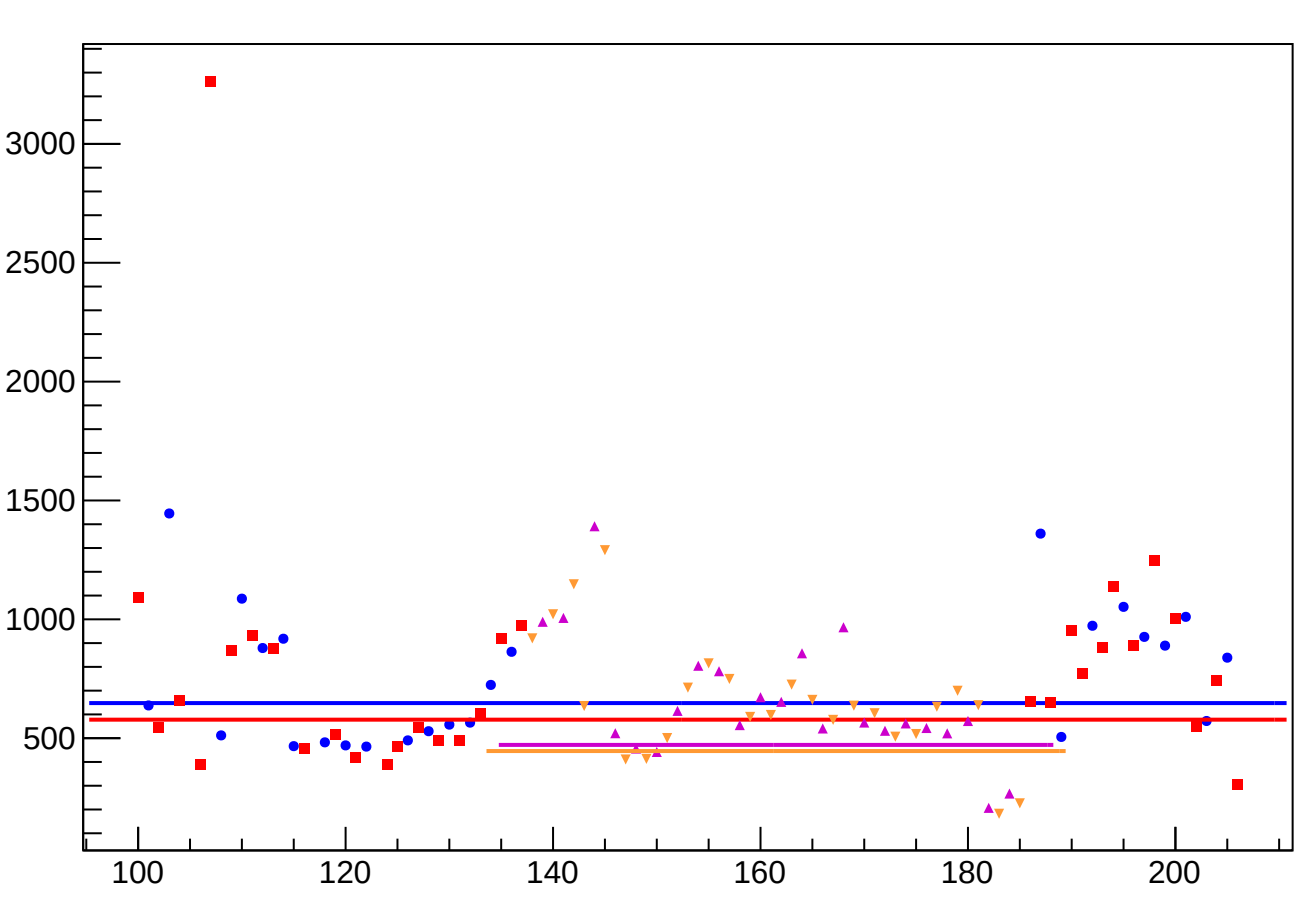
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -171.299+/-123.411 χ^2/NDF: 67.2/55

In: -84.768+/-102.538 χ^2/NDF:41.7/47

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -129.168+/-69.451 χ^2/NDF: 116.0/103



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

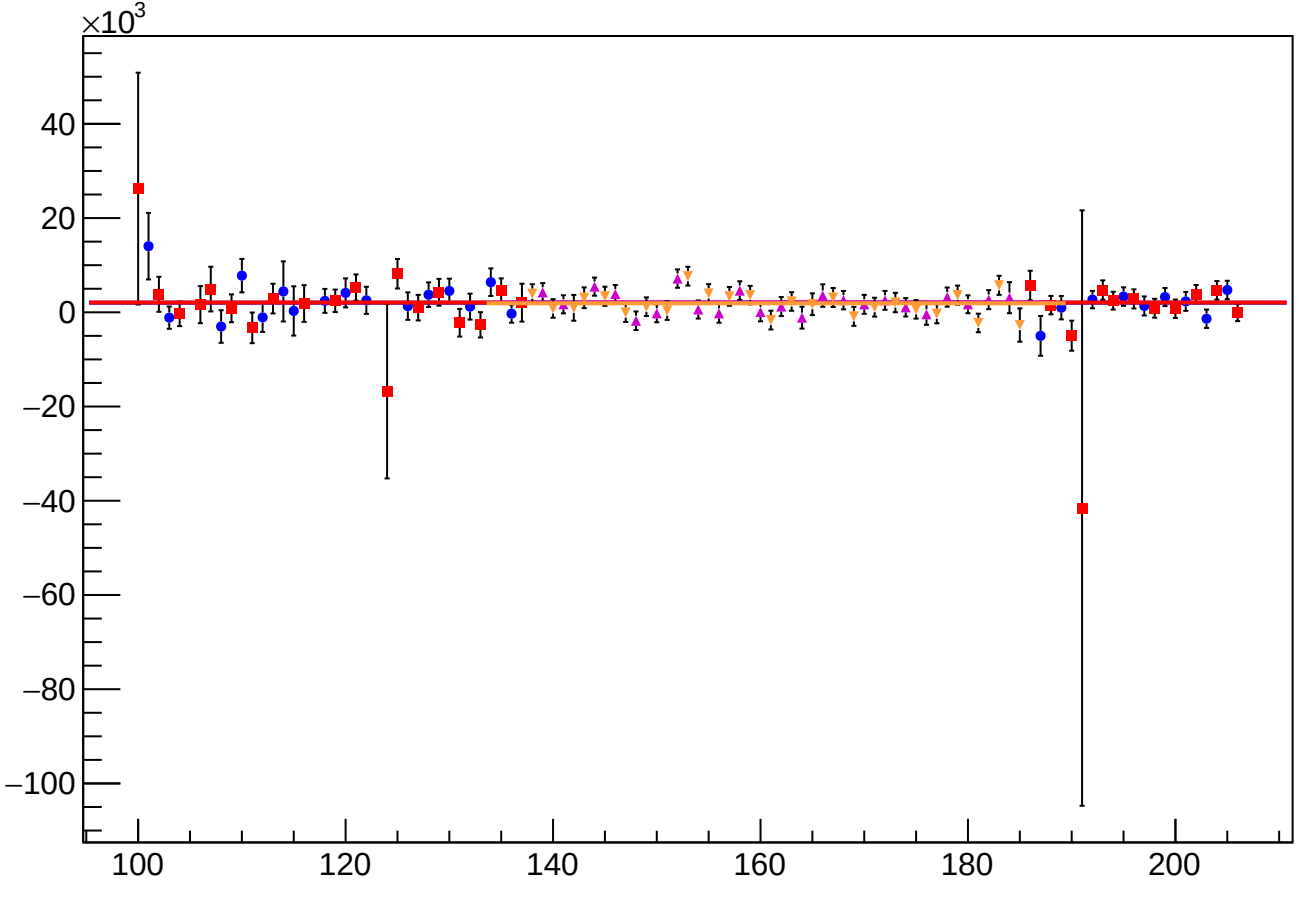
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 608.395+/-0.087 χ^2/NDF: 6475111.9/55

In: 524.810+/-0.073 χ^2/NDF:10022515.9/47

Out: 489.383+/-0.067 χ^2/NDF:12797590.6/55

All: 505.636+/-0.049 χ^2/NDF: 22949318.0/10



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2077.097+/-476.498 χ^2/NDF: 31.9/30

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

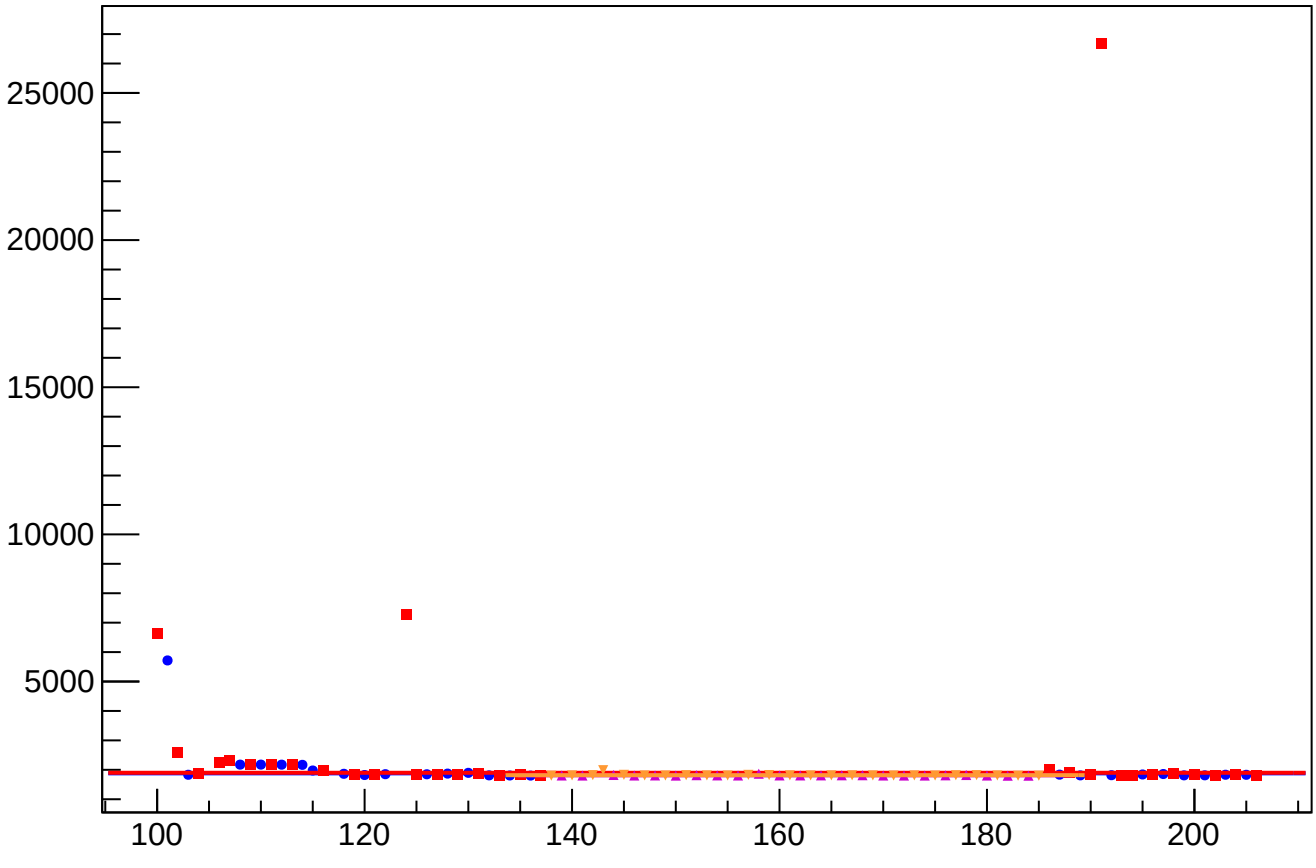
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2059.135+/-346.993 χ^2/NDF: 57.3/55

In: 2059.725+/-324.708 χ^2/NDF:52.0/47

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2022.287+/-224.995 χ^2/NDF: 116.5/103



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

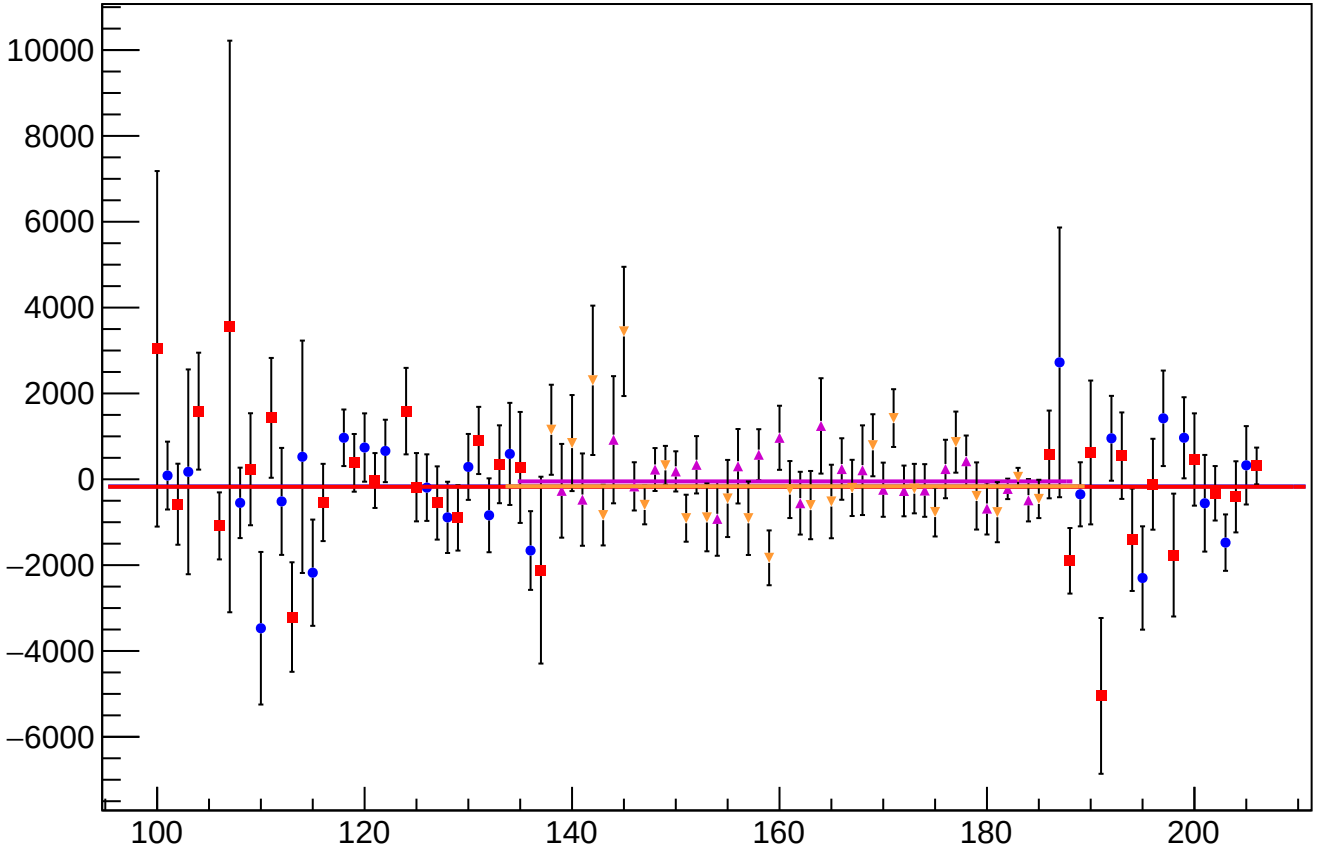
Right: 1889.894+/-0.245 χ^2/NDF: 1402146.0/55

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1846.544+/-0.159 χ^2/NDF: 1471116.4/10

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -174.717+/-164.451 χ^2/NDF: 37.1/30

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

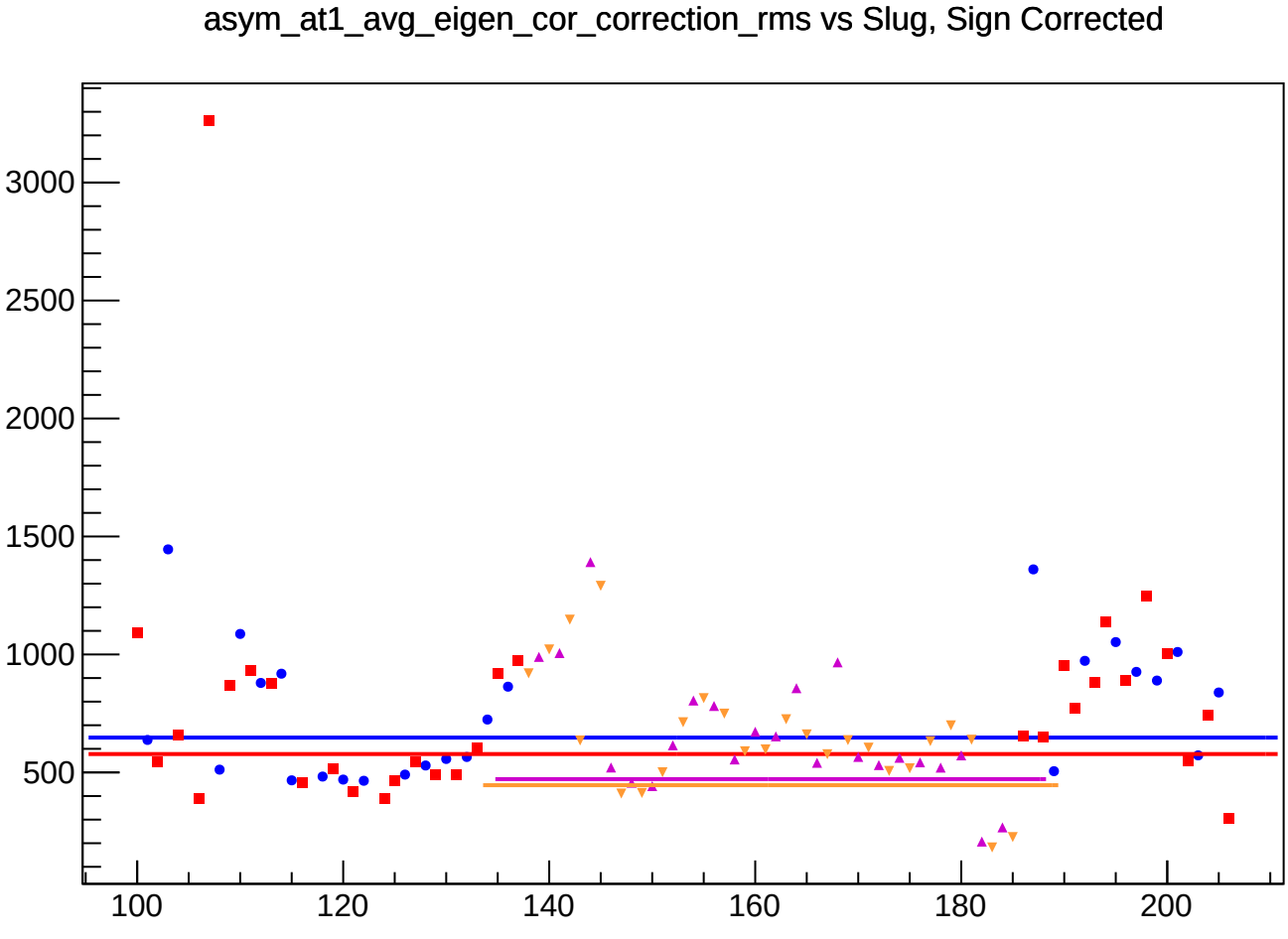
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -171.299+/-123.411 χ^2/NDF: 67.2/55

In: -84.768+/-102.538 χ^2/NDF:41.7/47

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -129.168+/-69.451 χ^2/NDF: 116.0/103



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

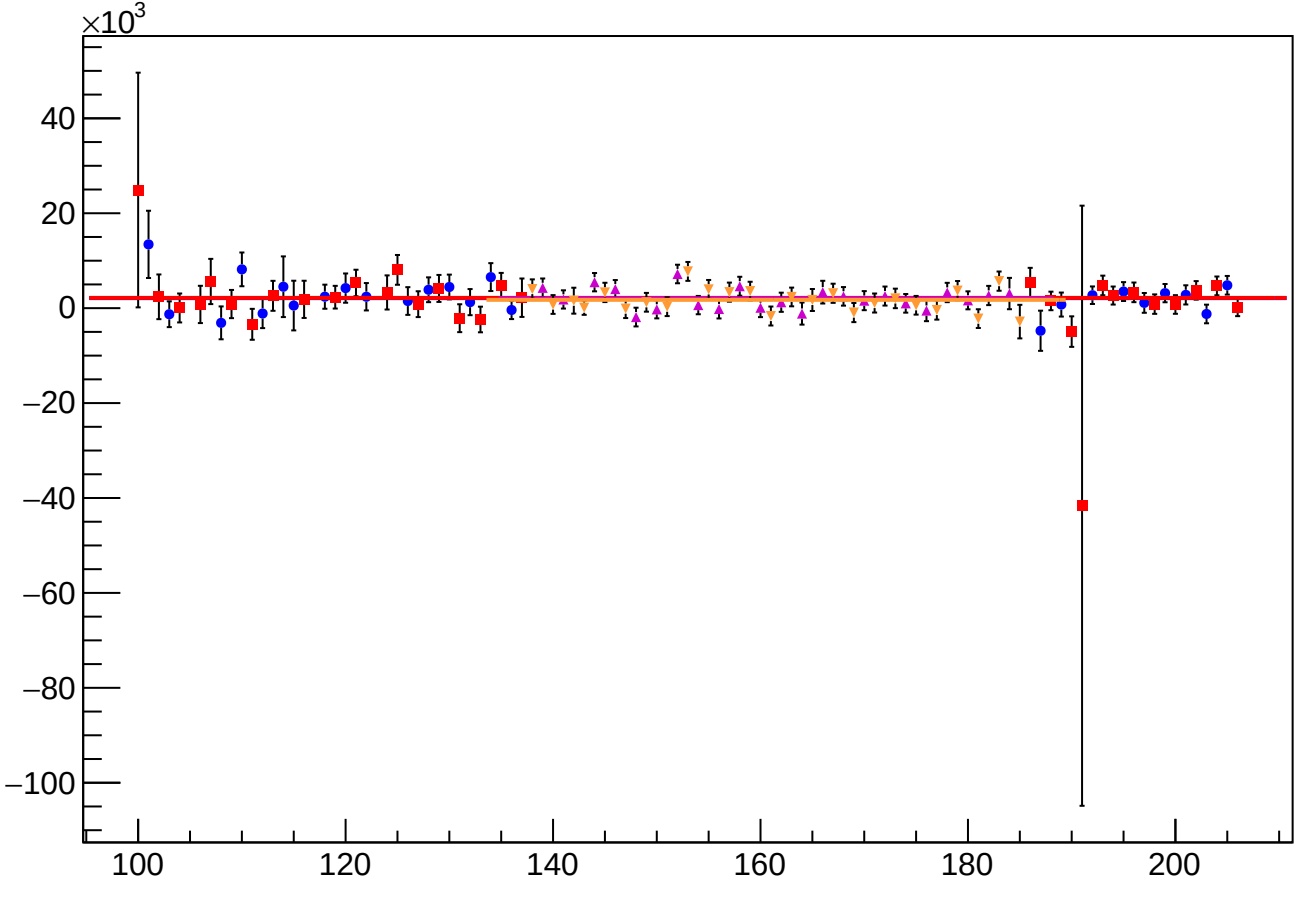
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 608.395+/-0.087 χ^2/NDF: 6475111.9/55

In: 524.810+/-0.073 χ^2/NDF:10022515.9/47

Out: 489.383+/-0.067 χ^2/NDF:12797590.6/55

All: 505.636+/-0.049 χ^2/NDF: 22949318.0/10



Right In: 2118.738+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2160.635+/-479.052 χ^2/NDF: 29.7/30

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

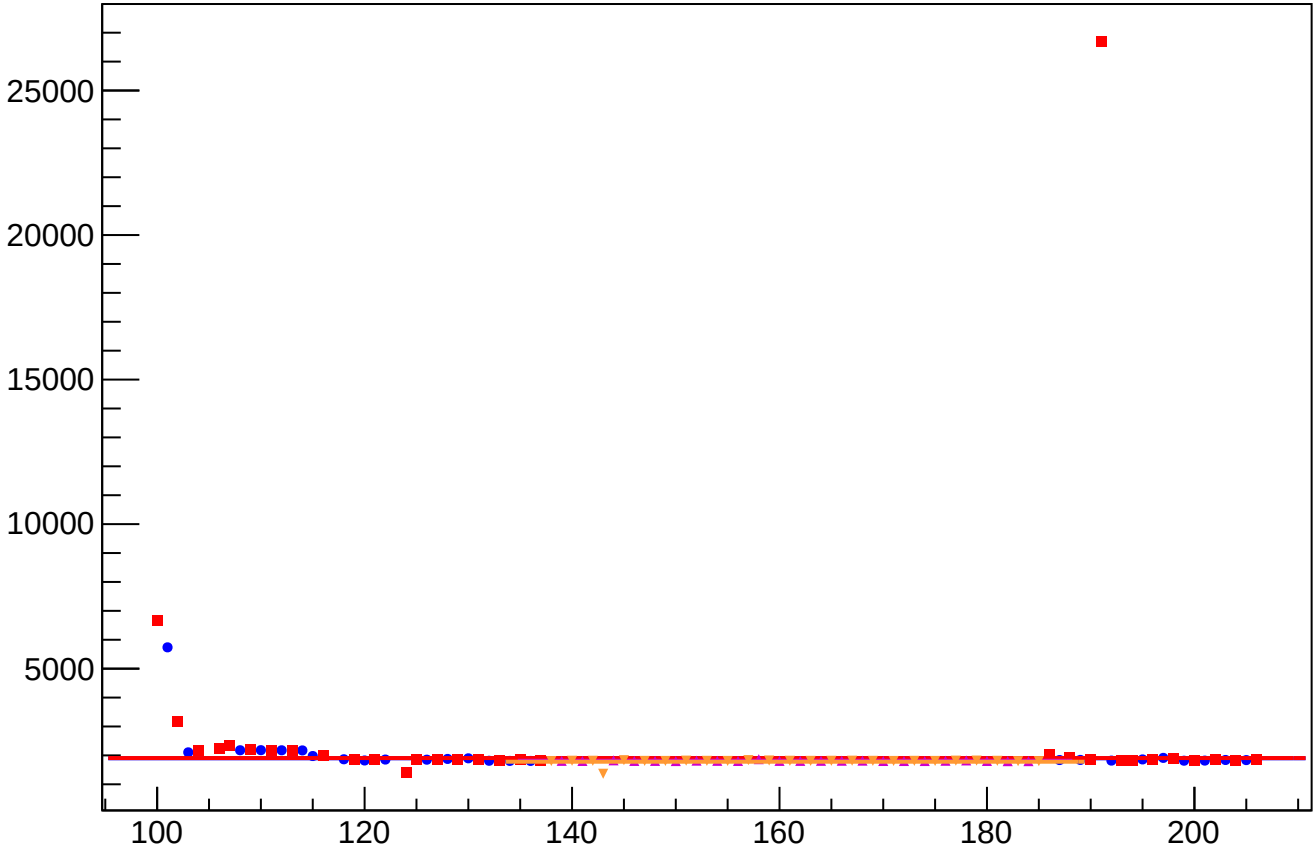
Right: 2141.072+/-349.760 χ^2/NDF: 55.1/55

In: 2091.856+/-326.360 χ^2/NDF:52.5/47

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2003.765+/-224.559 χ^2/NDF: 116.5/103

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1899.348+/-0.362 χ^2/NDF: 671490.6/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691342.0/30

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

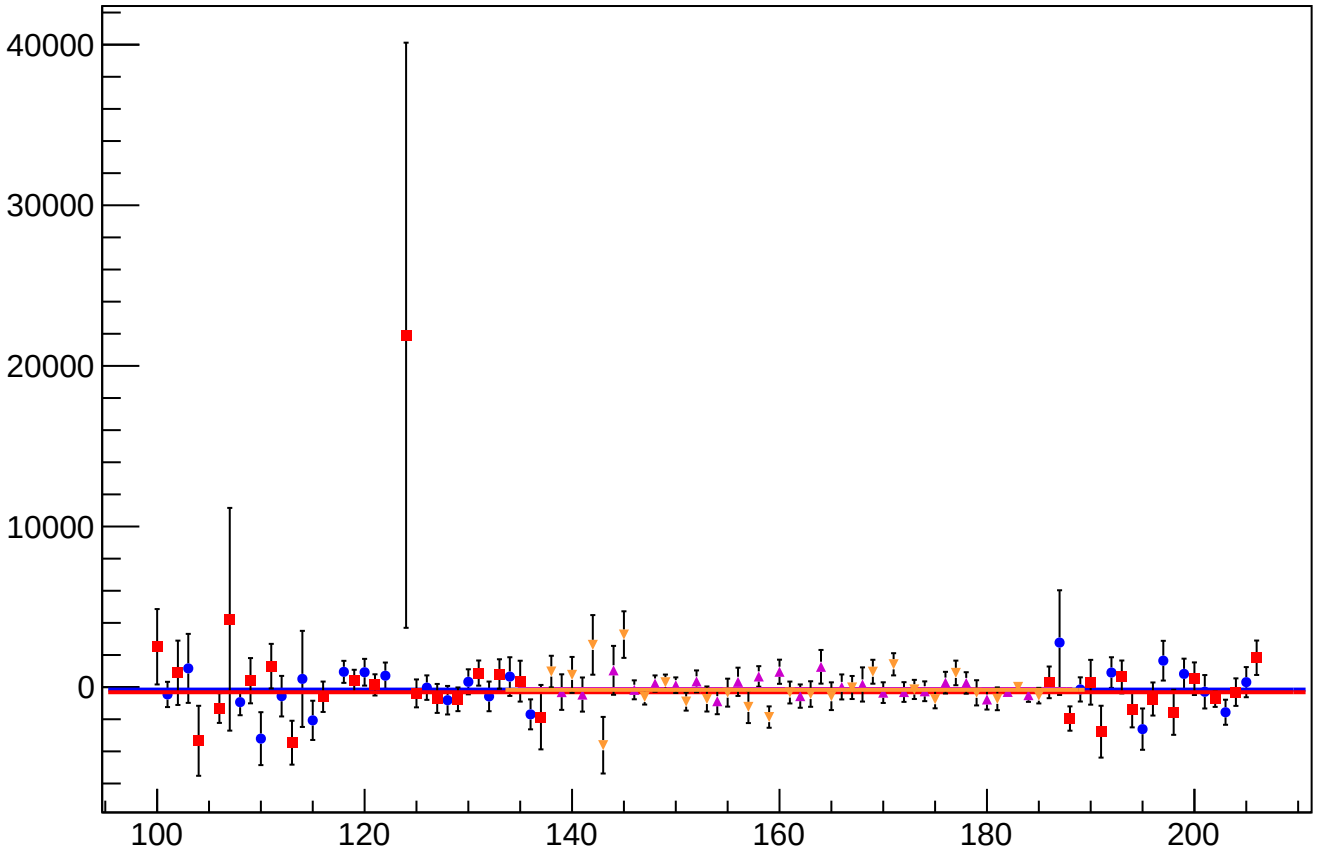
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1903.906+/-0.247 χ^2/NDF: 1363130.2/55

In: 1848.956+/-0.231 χ^2/NDF:706250.4/47

Out: 1833.904+/-0.219 χ^2/NDF:938166.6/55

All: 1841.030+/-0.159 χ^2/NDF: 1646656.9/10



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -317.446+/-179.178 χ^2/NDF: 36.4/30

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

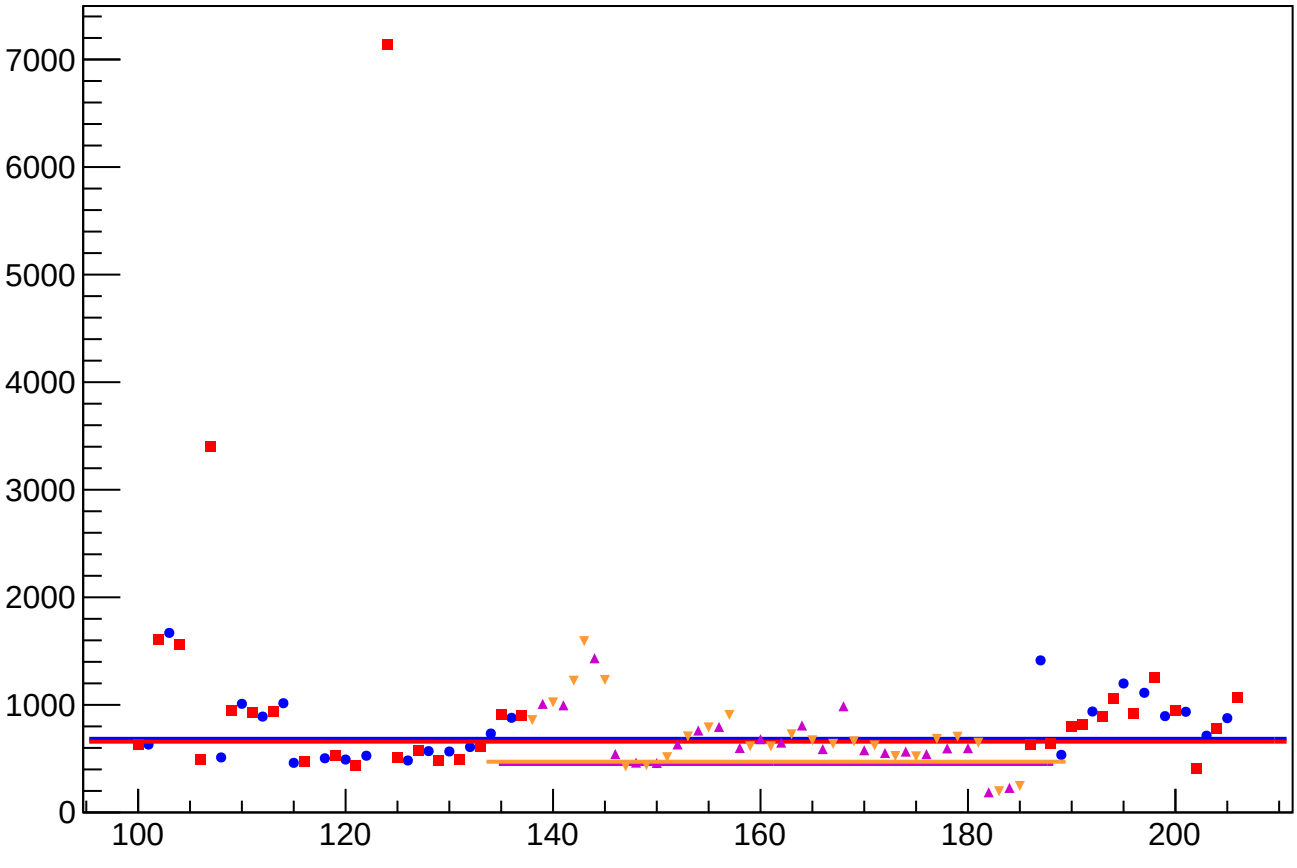
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -241.370+/-131.320 χ^2/NDF: 66.4/55

In: -127.183+/-101.771 χ^2/NDF:42.0/47

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -171.625+/-71.557 χ^2/NDF: 117.5/103



Right In: 684.480+/-0.136 χ^2/NDF: 2566684.4/24

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347373.6/30

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

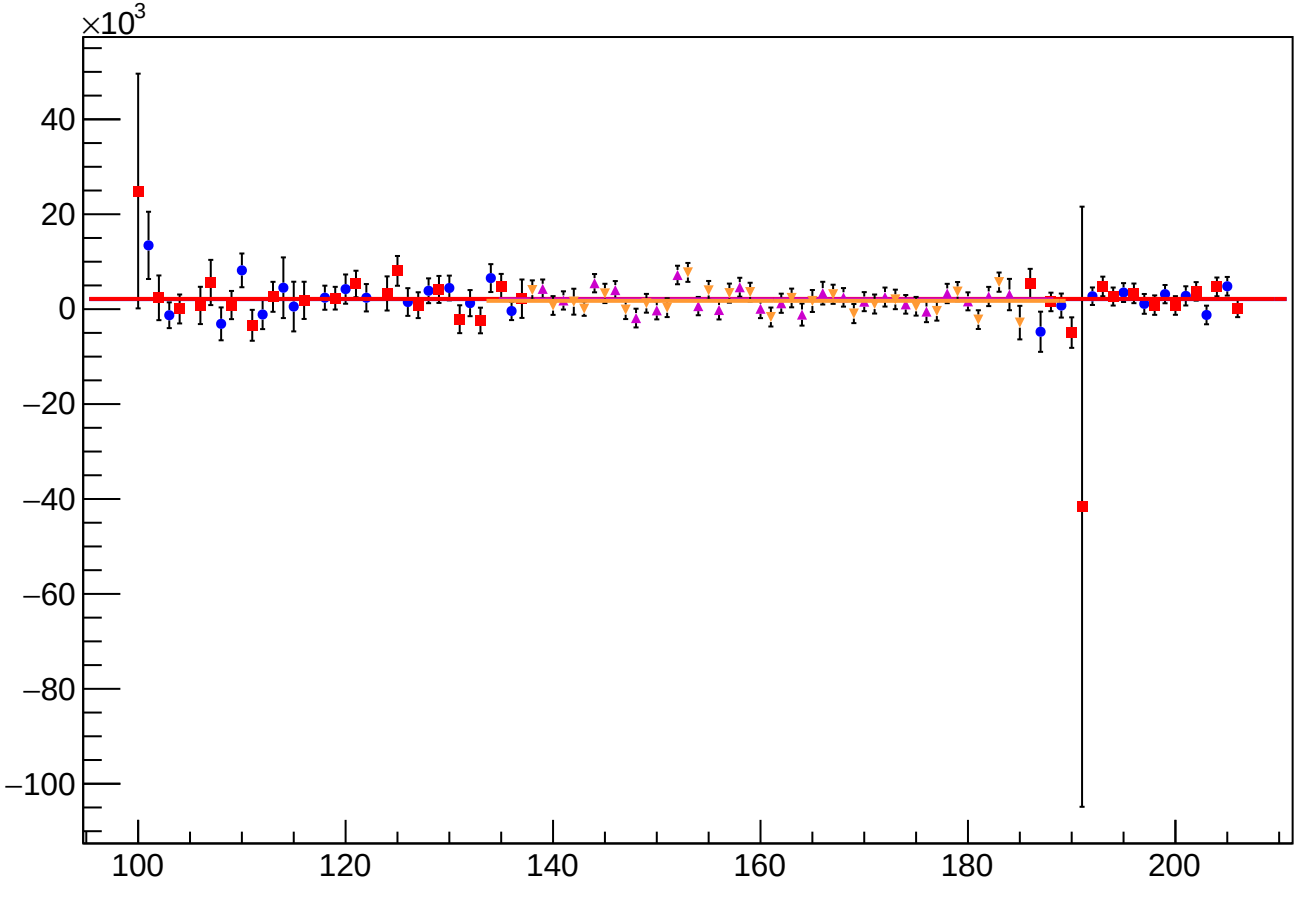
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 670.202+/-0.093 χ^2/NDF: 6934430.2/55

In: 515.654+/-0.072 χ^2/NDF:12614080.4/47

Out: 530.487+/-0.071 χ^2/NDF:13937344.6/55

All: 523.154+/-0.051 χ^2/NDF: 26572906.7/10



Right In: 2118.737+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2160.634+/-479.051 χ^2/NDF: 29.7/30

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

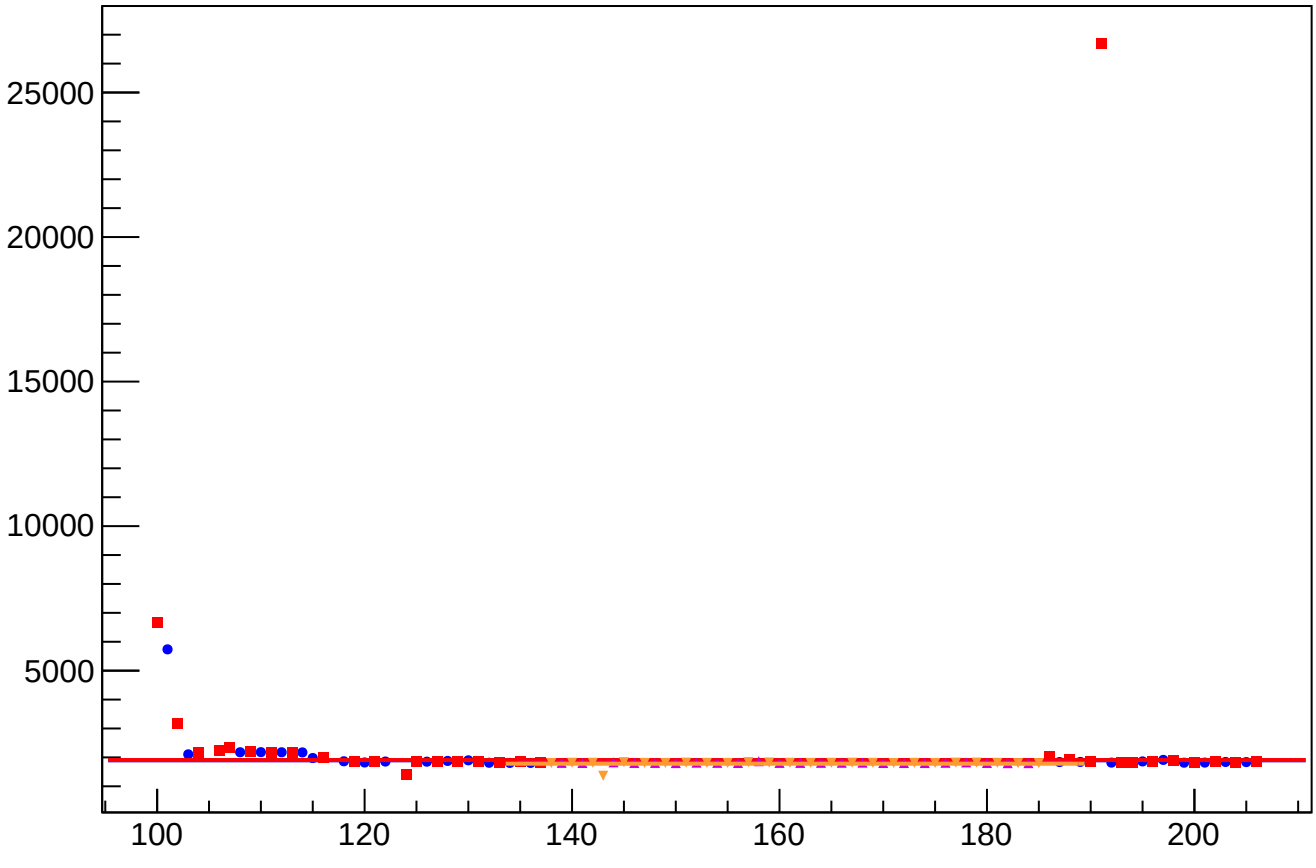
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2141.071+/-349.760 χ^2/NDF: 55.1/55

In: 2091.856+/-326.360 χ^2/NDF:52.5/47

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2003.765+/-224.559 χ^2/NDF: 116.5/103



Right In: 1899.347+/-0.362 χ^2/NDF: 671490.2/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691340.6/30

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

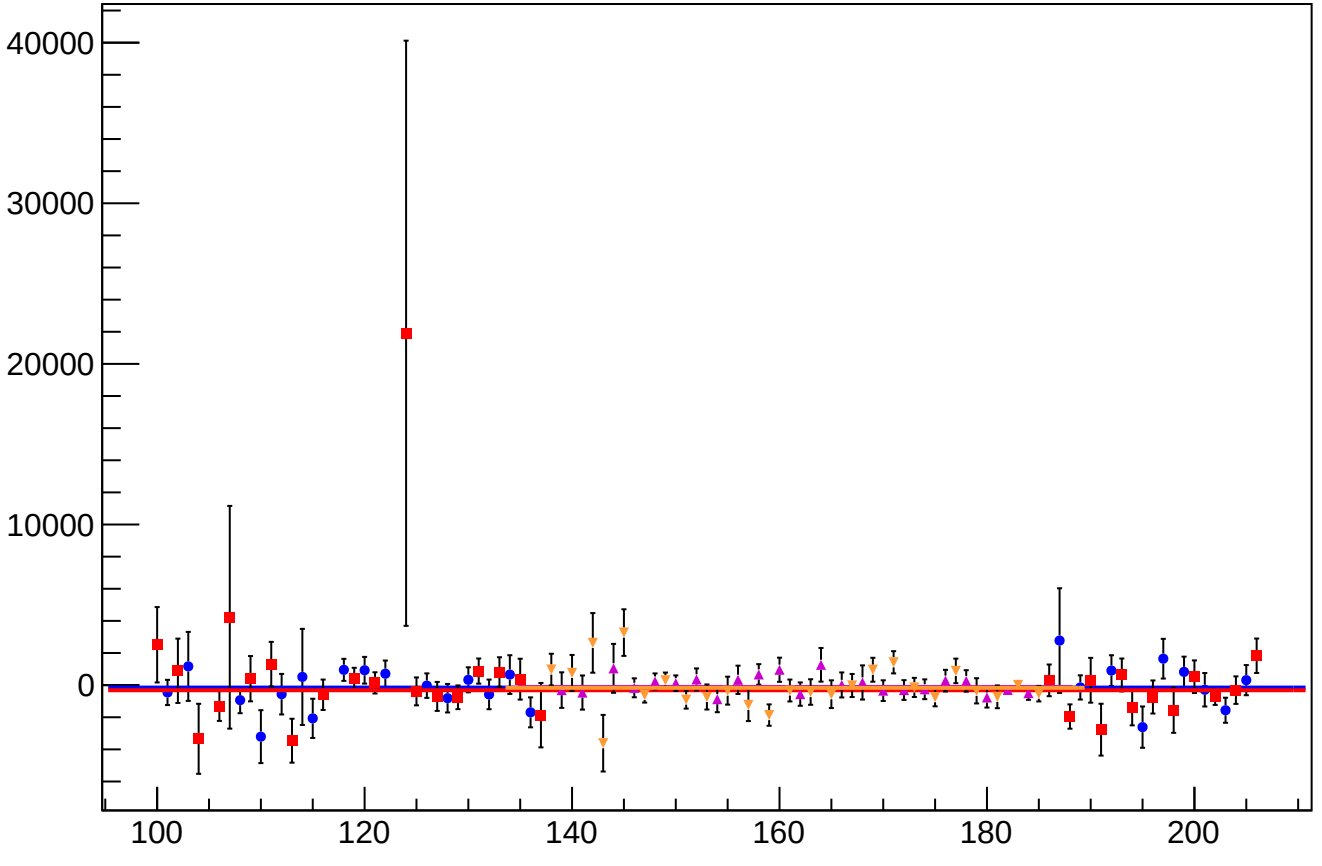
Right: 1903.906+/-0.247 χ^2/NDF: 1363128.4/55

In: 1848.956+/-0.231 χ^2/NDF:706249.9/47

Out: 1833.904+/-0.219 χ^2/NDF:938165.0/55

All: 1841.030+/-0.159 χ^2/NDF: 1646654.9/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -317.446+/-179.178 χ^2/NDF: 36.4/30

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

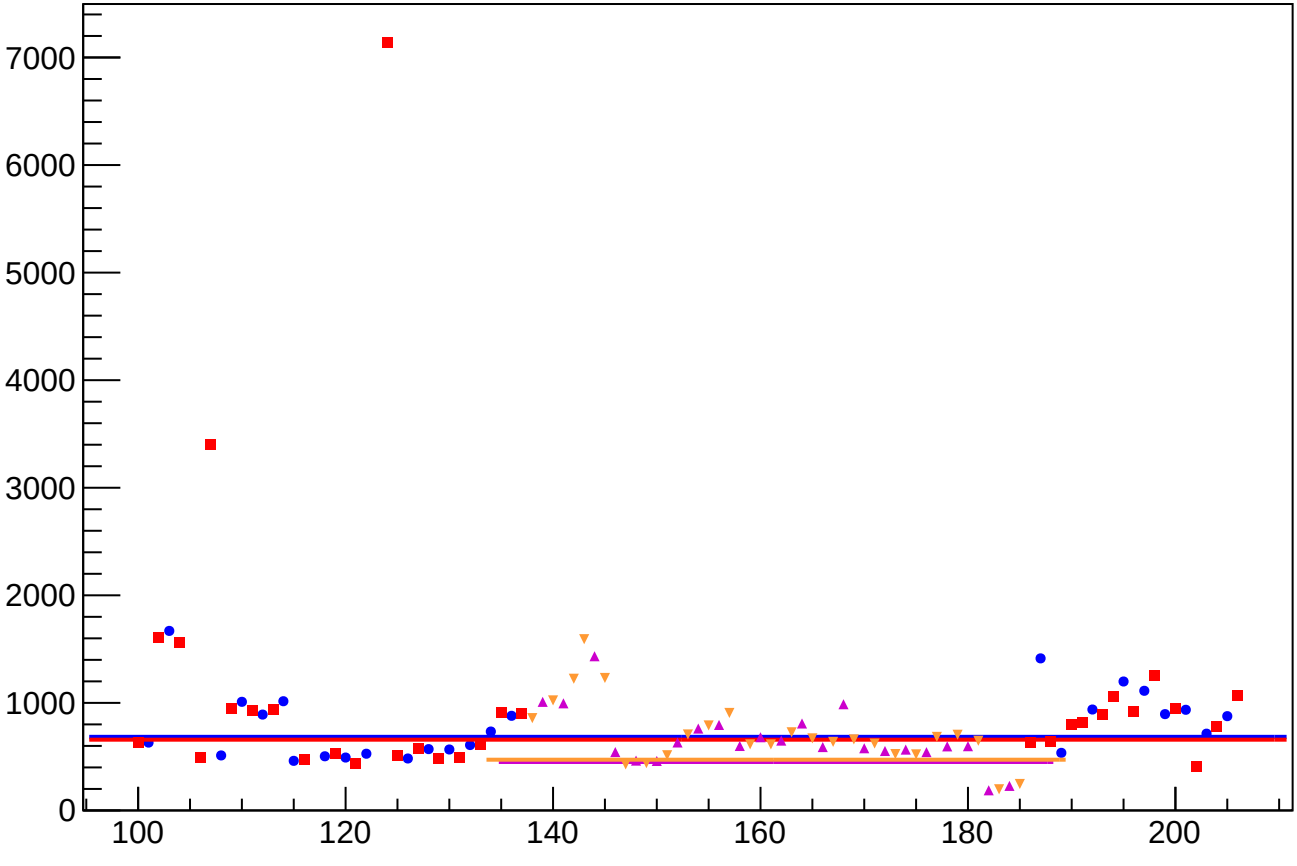
Right: -241.370+/-131.320 χ^2/NDF: 66.4/55

In: -127.183+/-101.772 χ^2/NDF:42.0/47

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -171.625+/-71.558 χ^2/NDF: 117.5/103

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 684.479+/-0.136 χ^2/NDF: 2566703.9/24

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347384.6/30

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

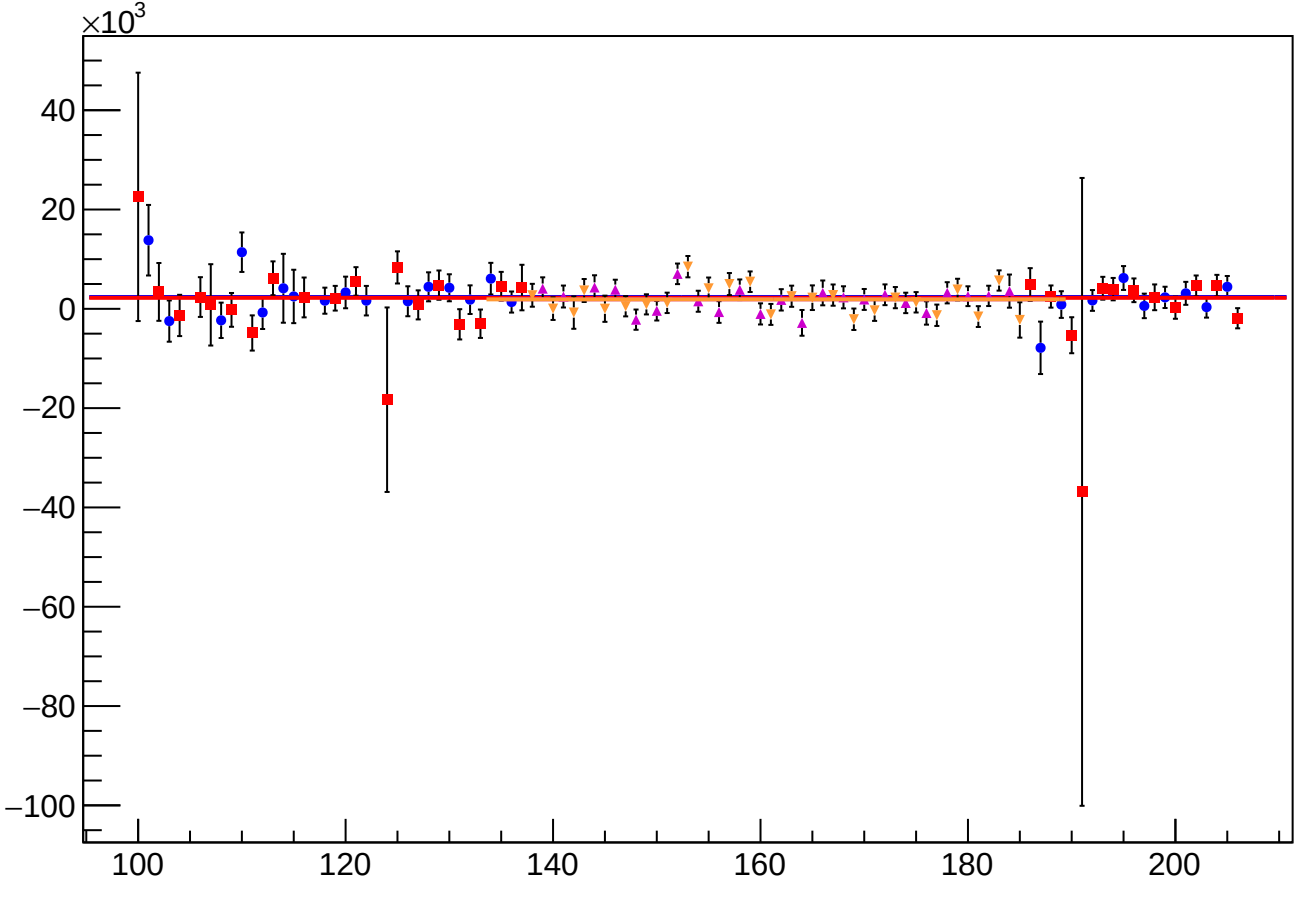
Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

Right: 670.202+/-0.093 χ^2/NDF: 6934459.8/55

In: 515.655+/-0.072 χ^2/NDF:12614057.8/47

Out: 530.488+/-0.071 χ^2/NDF:13937343.6/55

All: 523.154+/-0.051 χ^2/NDF: 26572882.7/10



Right In: 2382.552+/-567.631 χ^2/NDF: 23.8/24

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2217.896+/-538.111 χ^2/NDF: 36.3/30

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

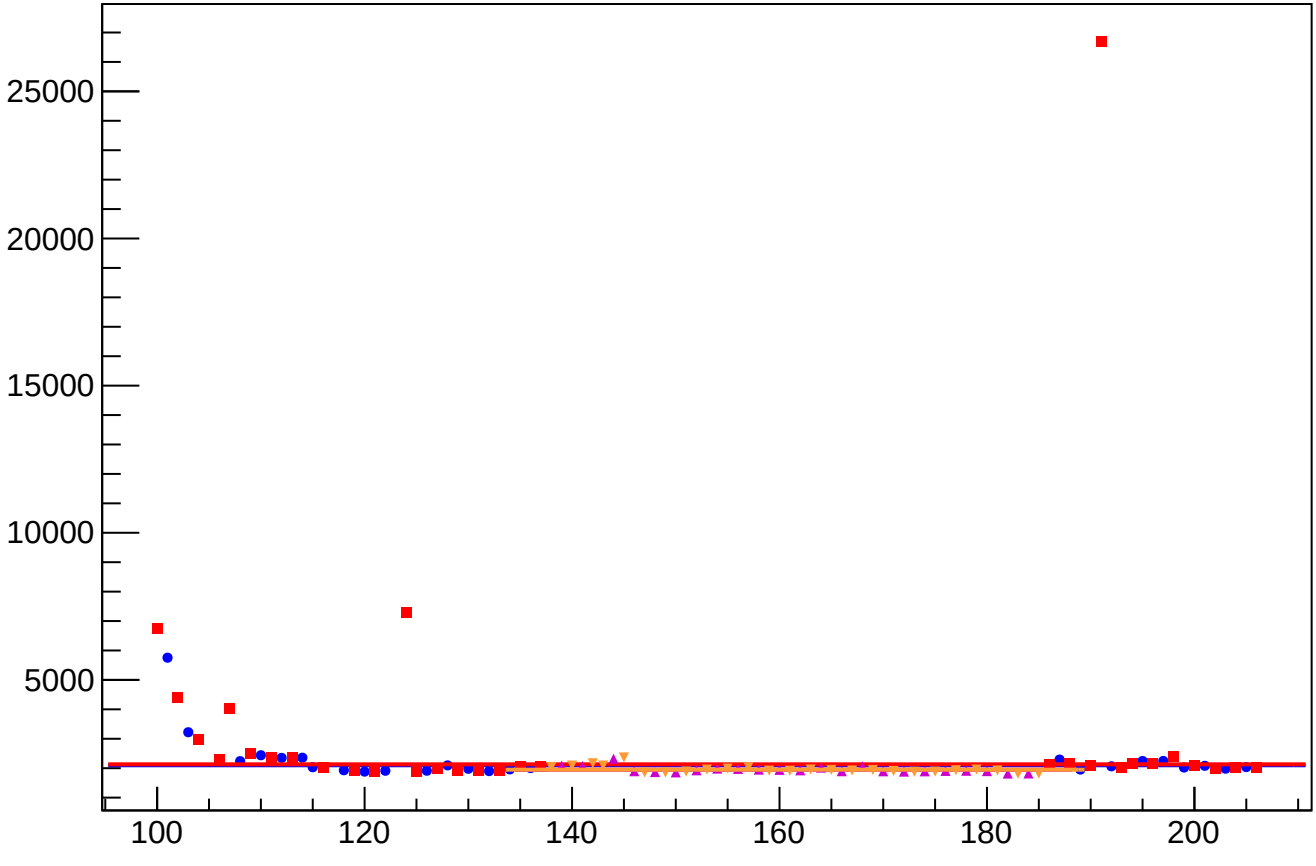
Right: 2295.831+/-390.521 χ^2/NDF: 60.1/55

In: 2104.884+/-354.965 χ^2/NDF:49.0/47

Out: 2032.986+/-342.252 χ^2/NDF:72.7/55

All: 2067.624+/-246.381 χ^2/NDF: 121.7/103

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2099.562+/-0.401 χ^2/NDF: 795039.2/24

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2131.192+/-0.381 χ^2/NDF: 1178809.6/30

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

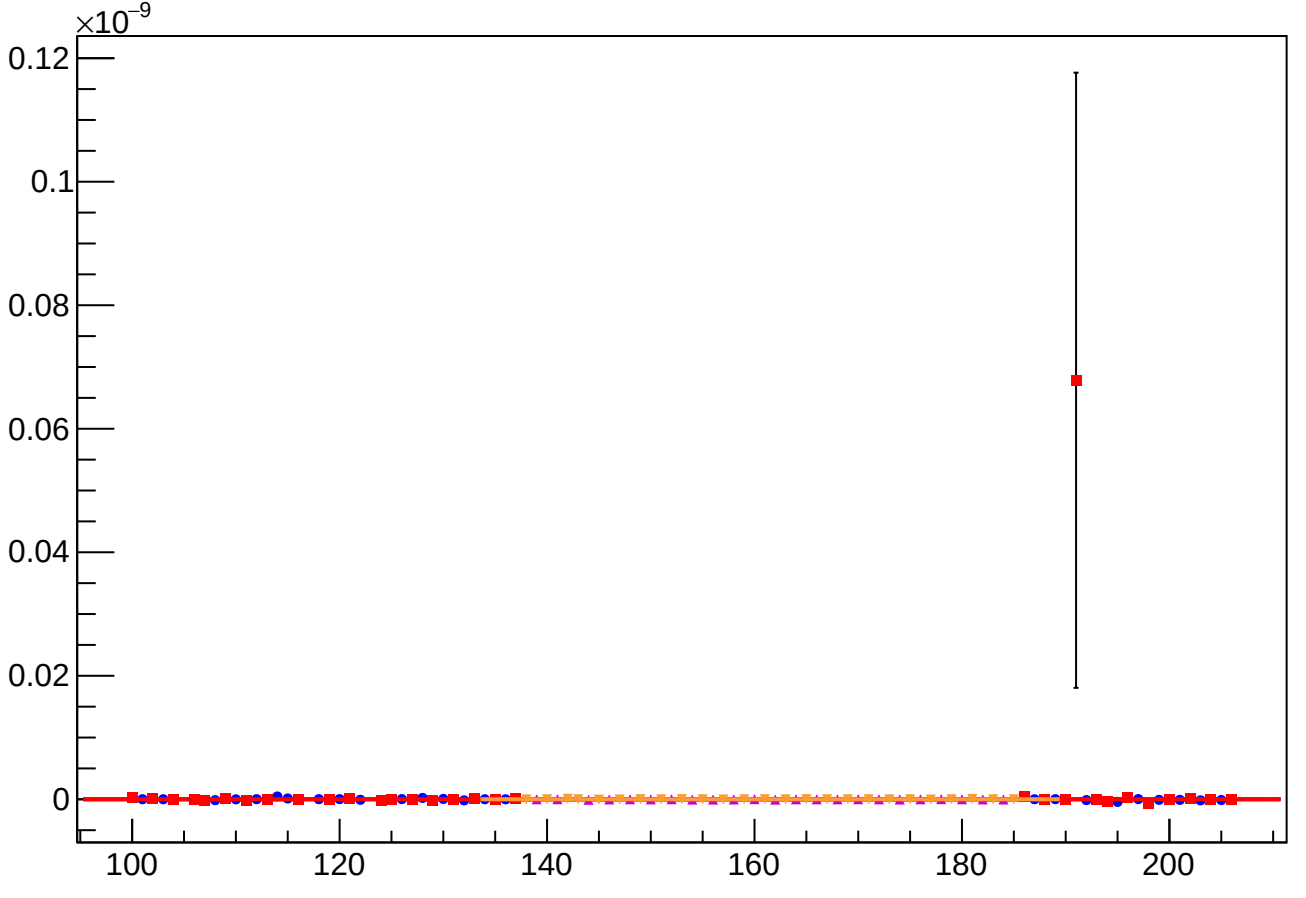
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2116.221+/-0.276 χ^2/NDF: 1977119.5/55

In: 2005.523+/-0.251 χ^2/NDF:981138.4/47

Out: 2022.703+/-0.242 χ^2/NDF:1423855.3/55

All: 2014.426+/-0.174 χ^2/NDF: 2407421.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

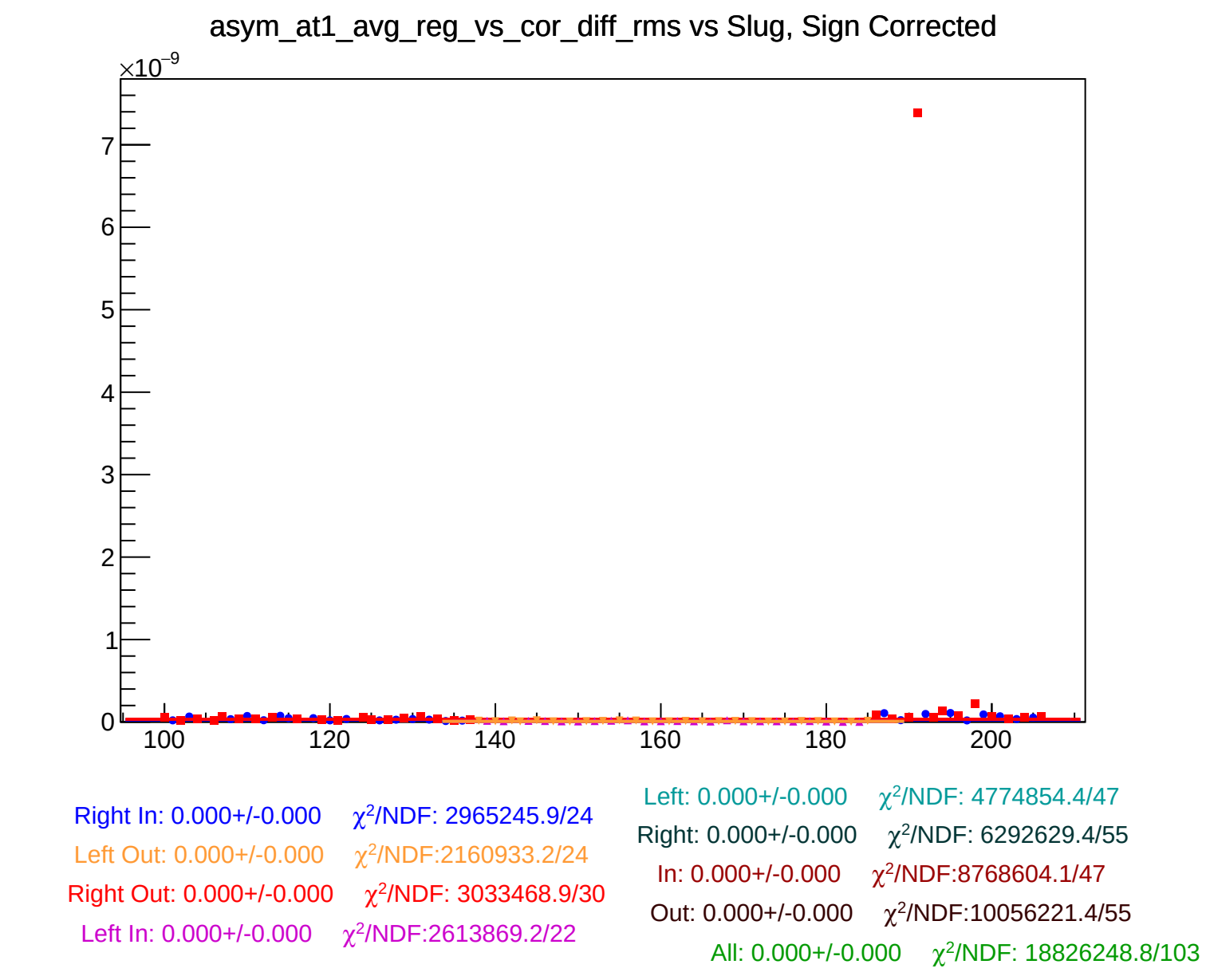
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/55

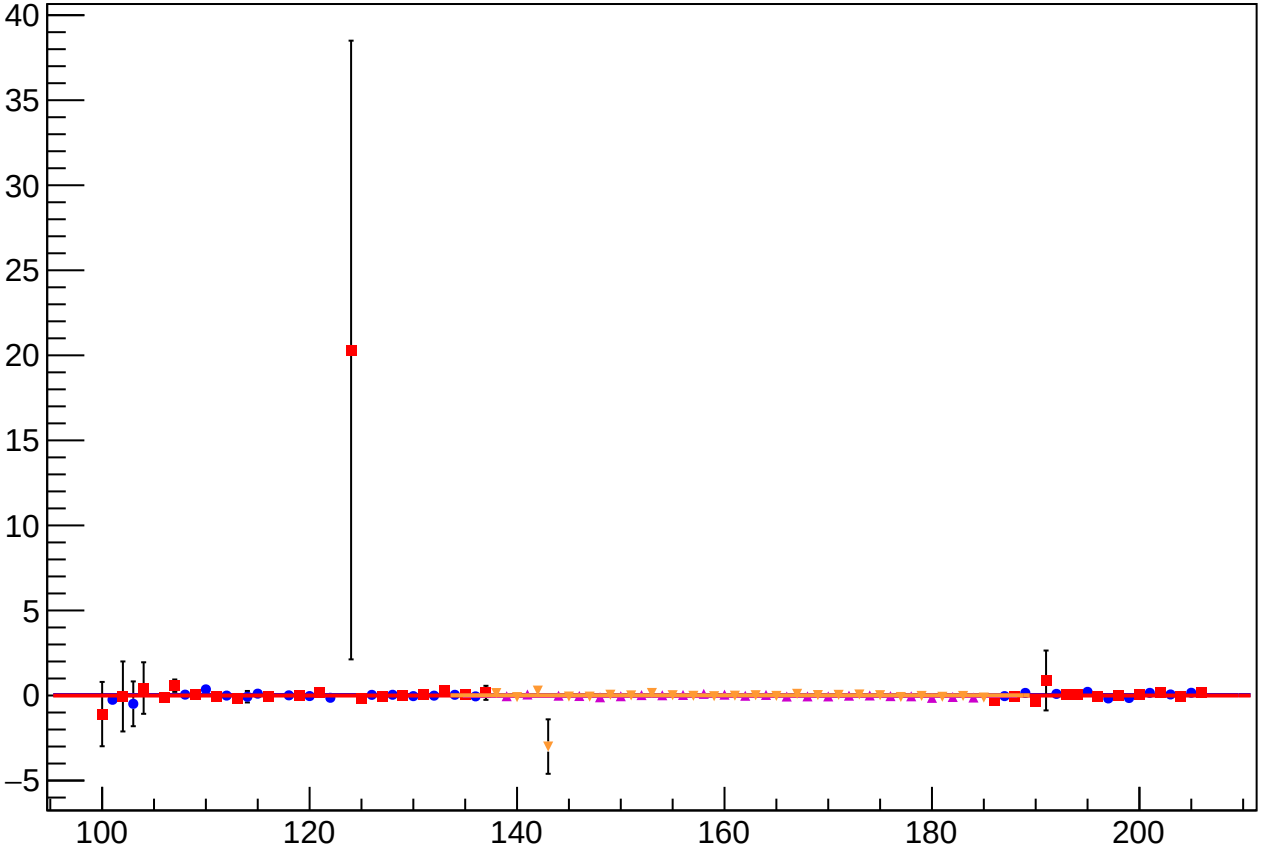
In: -0.000+/-0.000 χ^2/NDF:61.4/47

Out: 0.000+/-0.000 χ^2/NDF:59.5/55

All: -0.000+/-0.000 χ^2/NDF: 121.7/103


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2965245.9/24
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3033468.9/30
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 6292629.4/55
In: 0.000+/-0.000 χ²/NDF:8768604.1/47
Out: 0.000+/-0.000 χ²/NDF:10056221.4/55
All: 0.000+/-0.000 χ²/NDF: 18826248.8/103

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

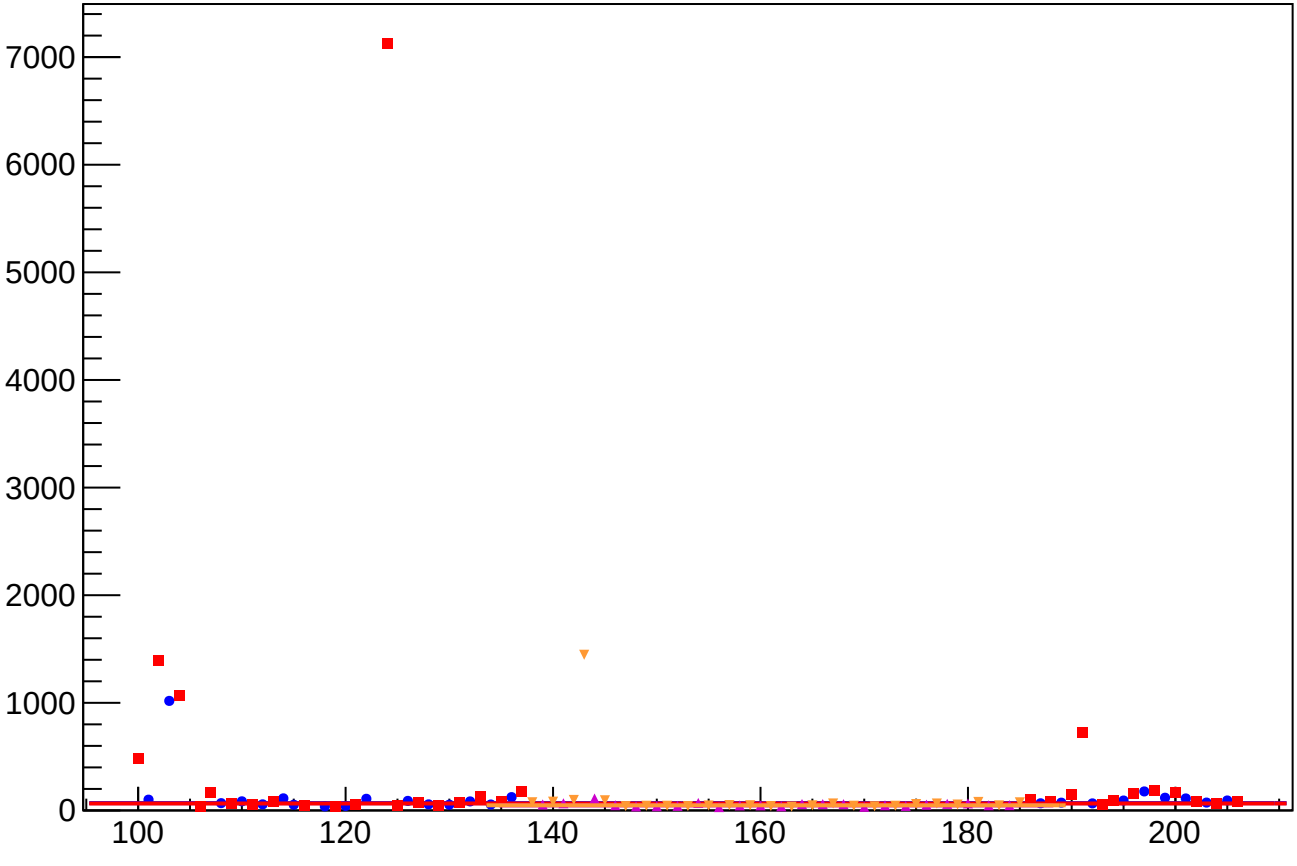
Right: 0.013+/-0.015 χ^2/NDF: 52.5/55

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 106.2/103

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

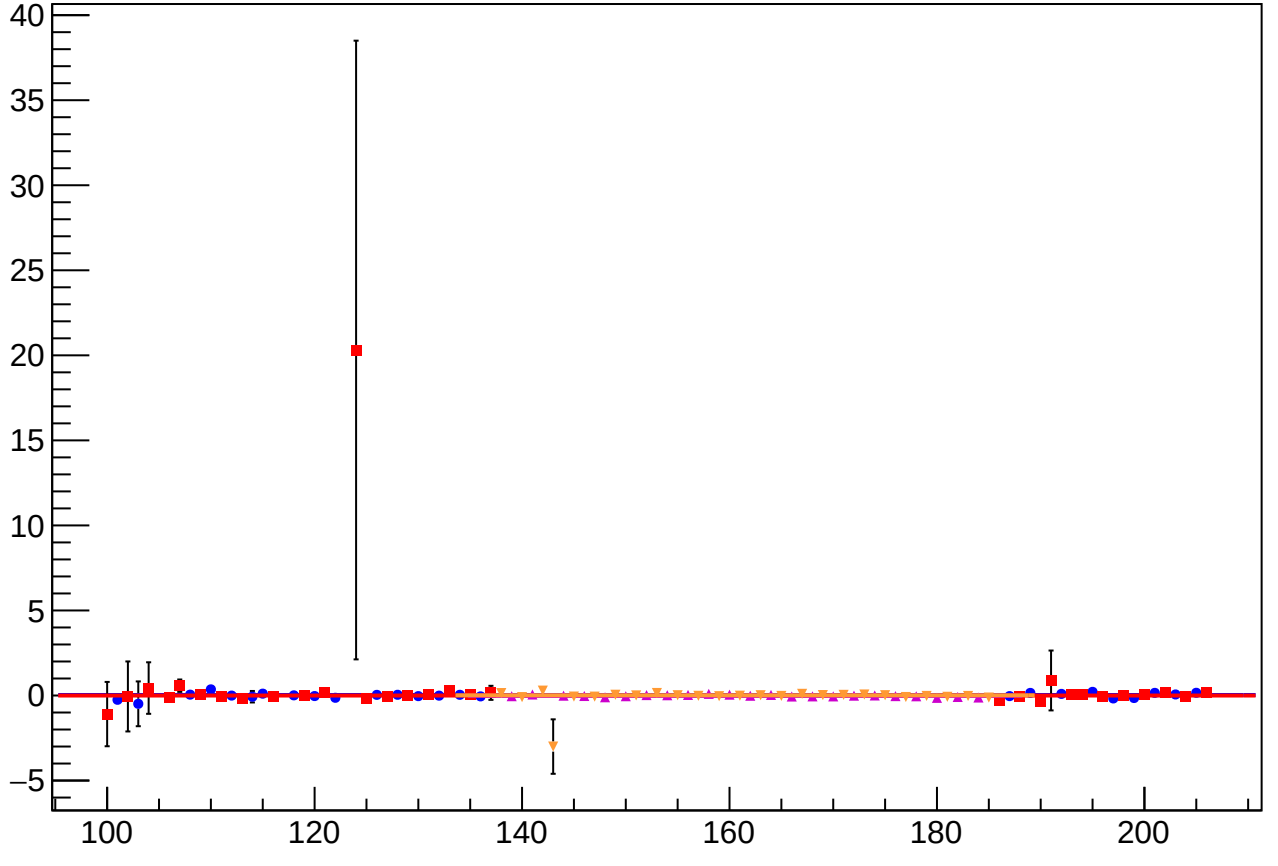
Right: 66.333+/-0.011 χ^2/NDF: 10123965.6/55

In: 51.882+/-0.008 χ^2/NDF:7271515.2/47

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.173+/-0.005 χ^2/NDF: 17989793.7/103

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

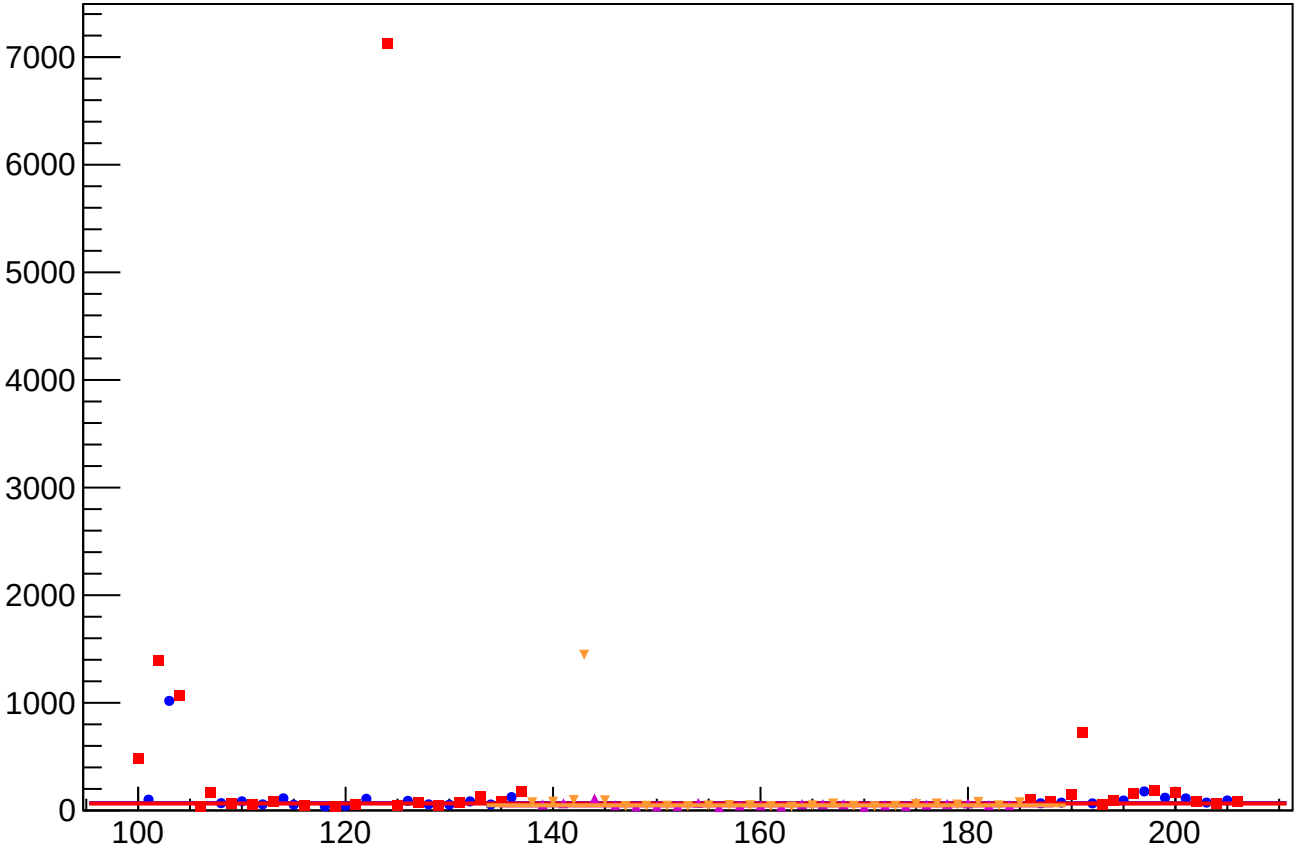
Right: 0.013+/-0.015 χ^2/NDF: 52.5/55

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 106.2/103

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

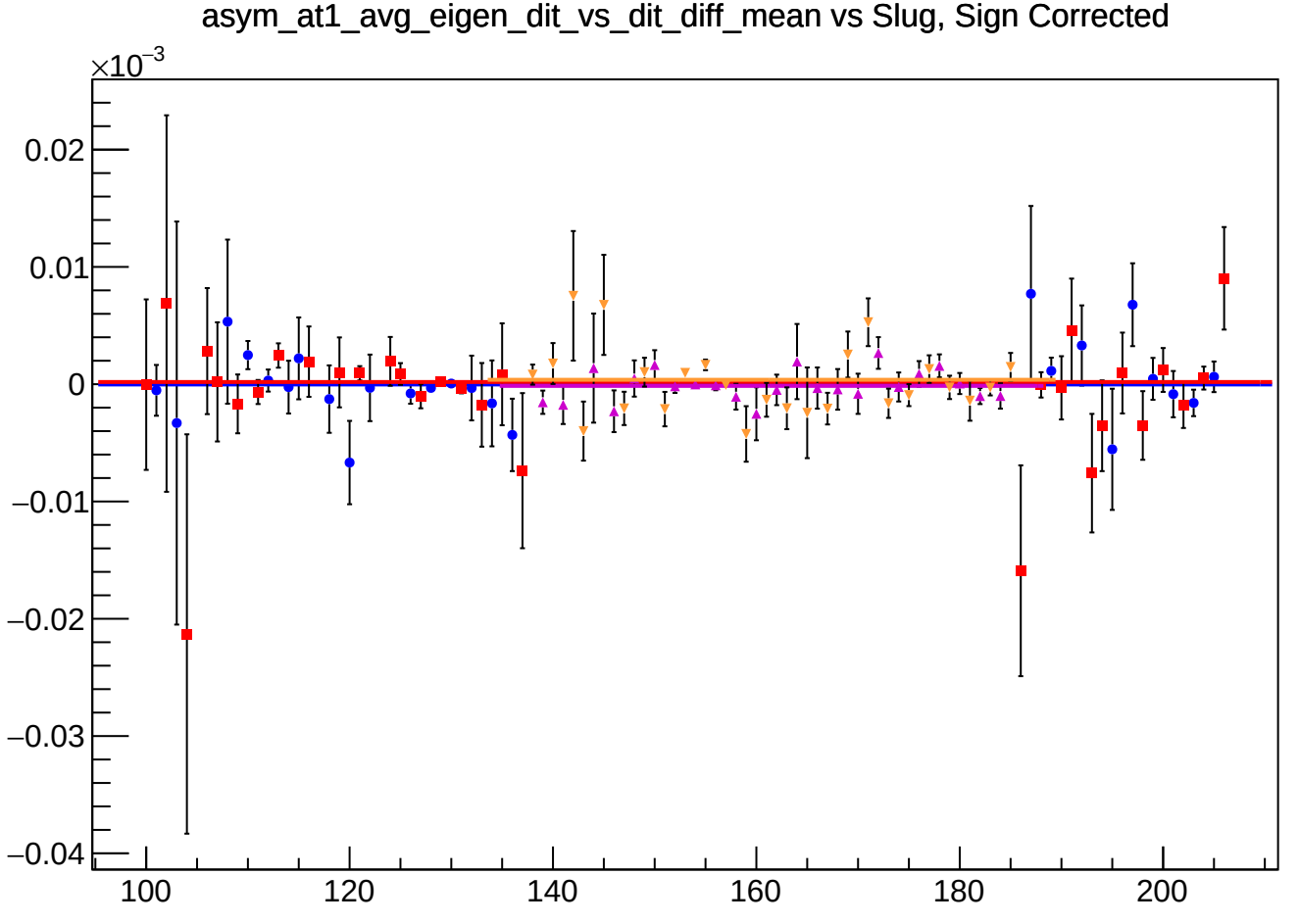
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.333+/-0.011 χ^2/NDF: 10123965.6/55

In: 51.882+/-0.008 χ^2/NDF:7271515.2/47

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.173+/-0.005 χ^2/NDF: 17989793.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

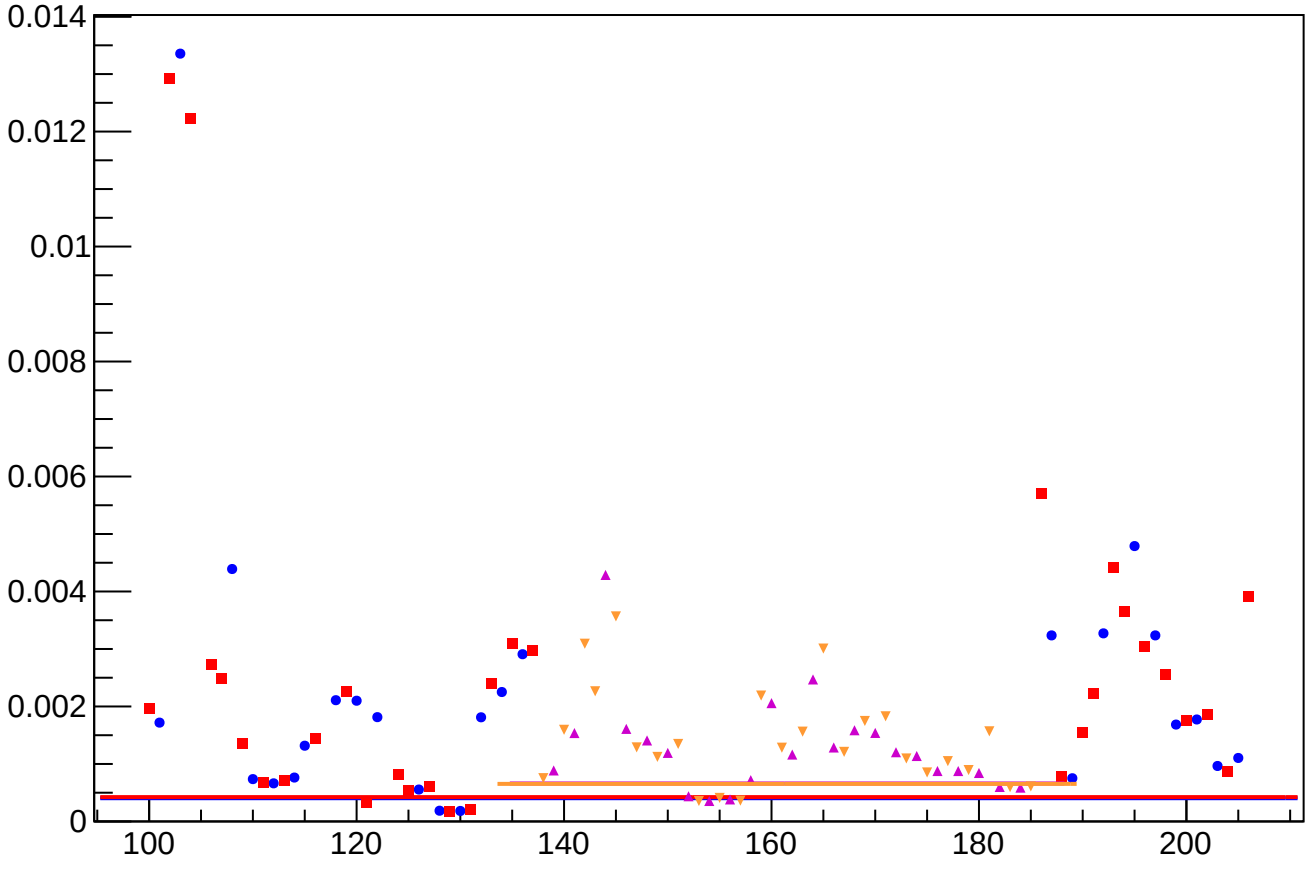
Right: 0.000+/-0.000 χ^2/NDF: 54.2/55

In: -0.000+/-0.000 χ^2/NDF:43.3/47

Out: 0.000+/-0.000 χ^2/NDF:82.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.8/103

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16921722.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18808502.3/30

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

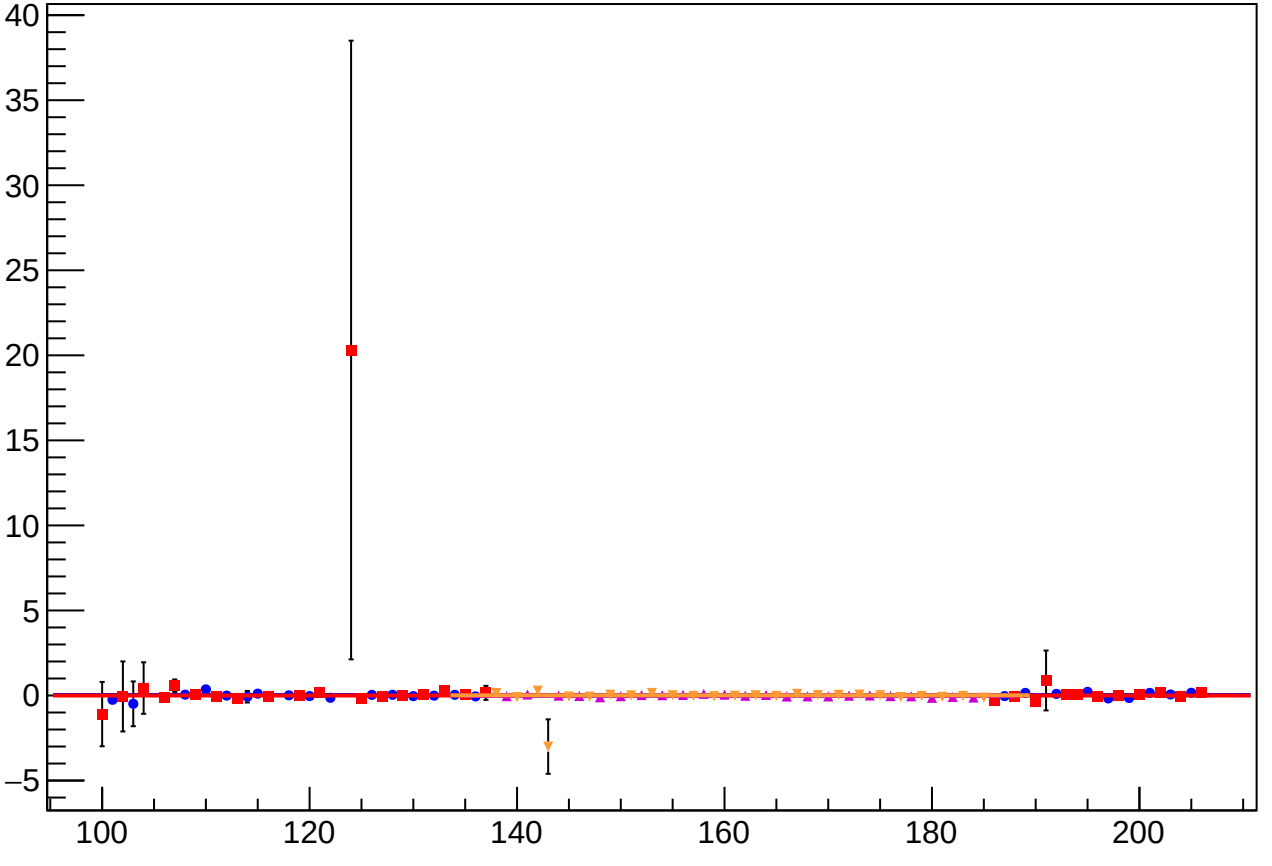
Right: 0.000+/-0.000 χ^2/NDF: 35741002.0/55

In: 0.001+/-0.000 χ^2/NDF:28521840.2/47

Out: 0.001+/-0.000 χ^2/NDF:32481672.0/55

All: 0.001+/-0.000 χ^2/NDF: 61008409.9/103

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

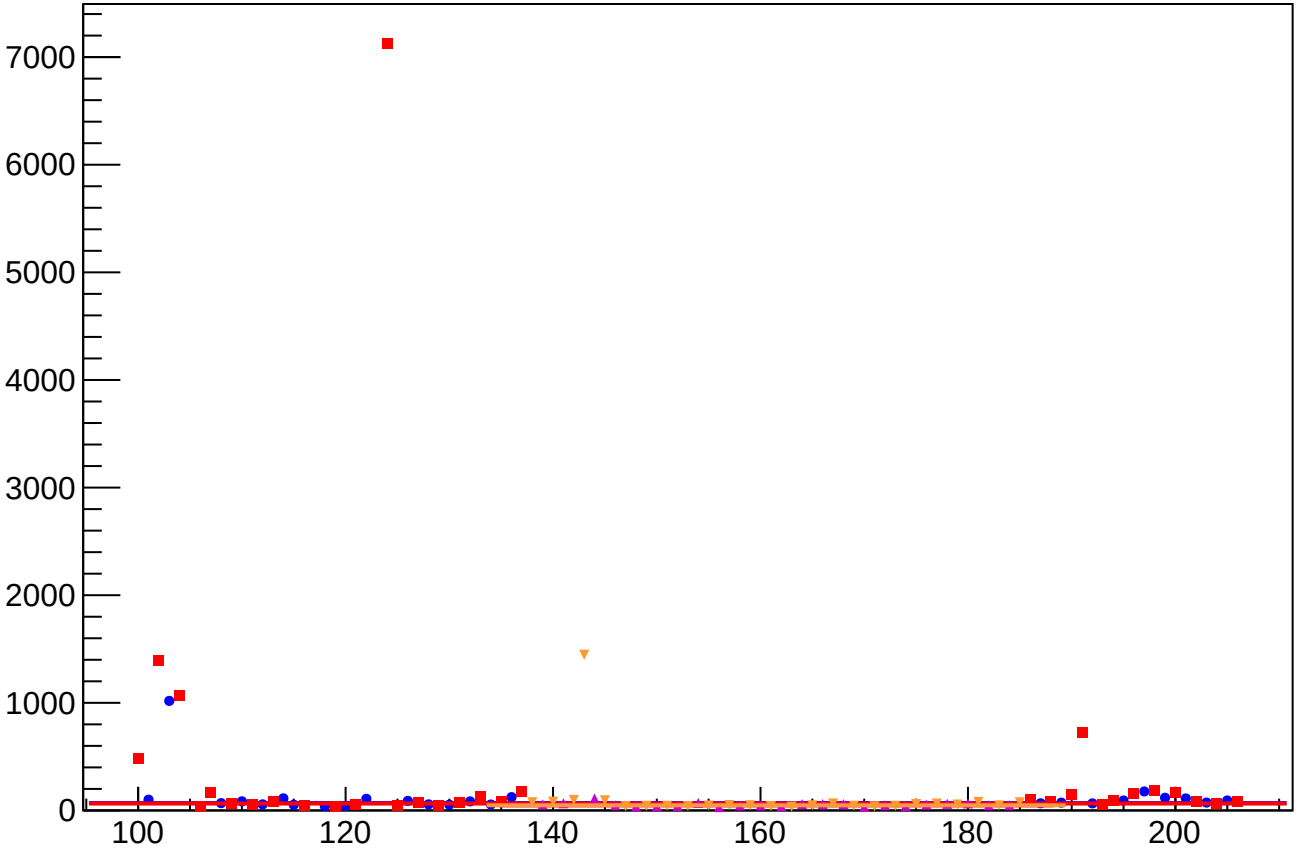
Right: 0.013+/-0.015 χ^2/NDF: 52.5/55

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 106.2/103

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

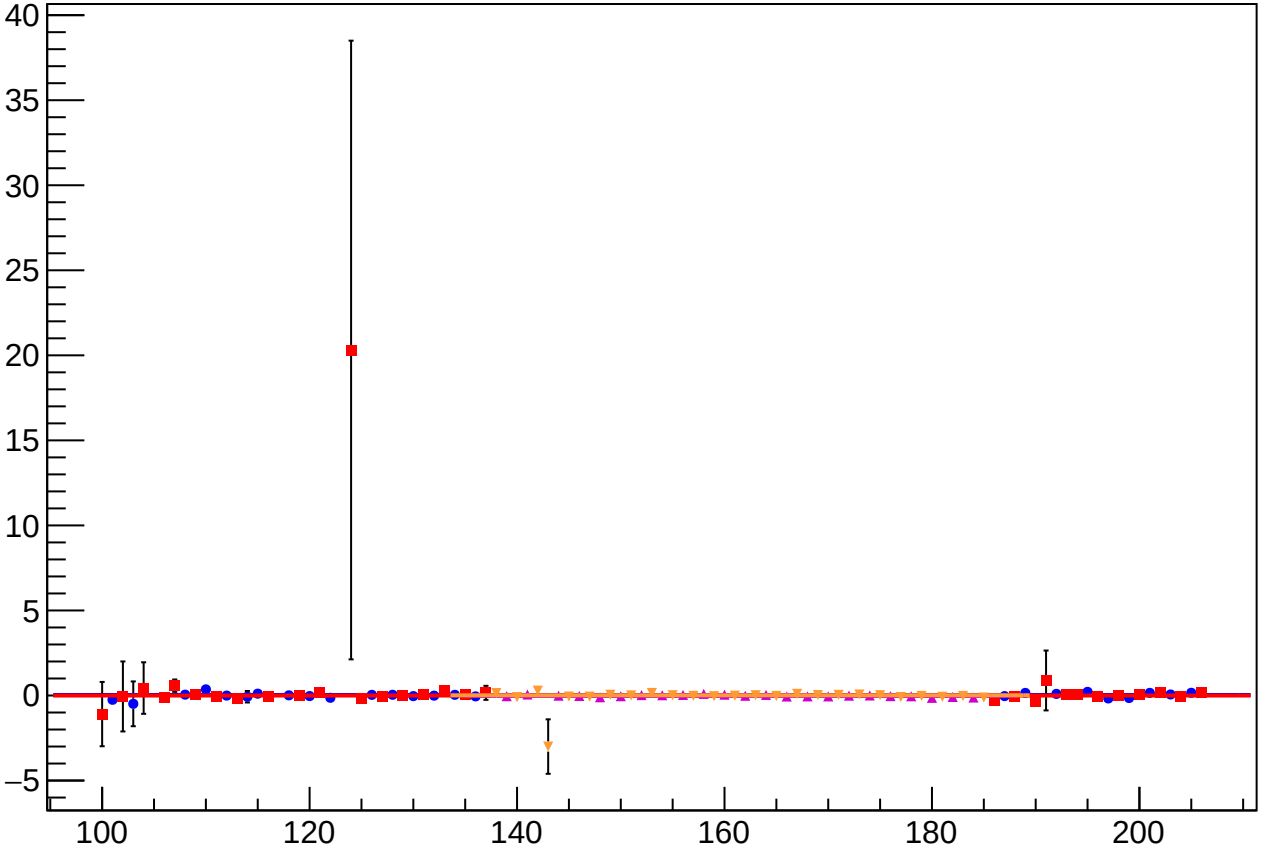
Right: 66.332+/-0.011 χ^2/NDF: 10124223.5/55

In: 51.882+/-0.008 χ^2/NDF:7271562.6/47

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.173+/-0.005 χ^2/NDF: 17989900.9/103

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

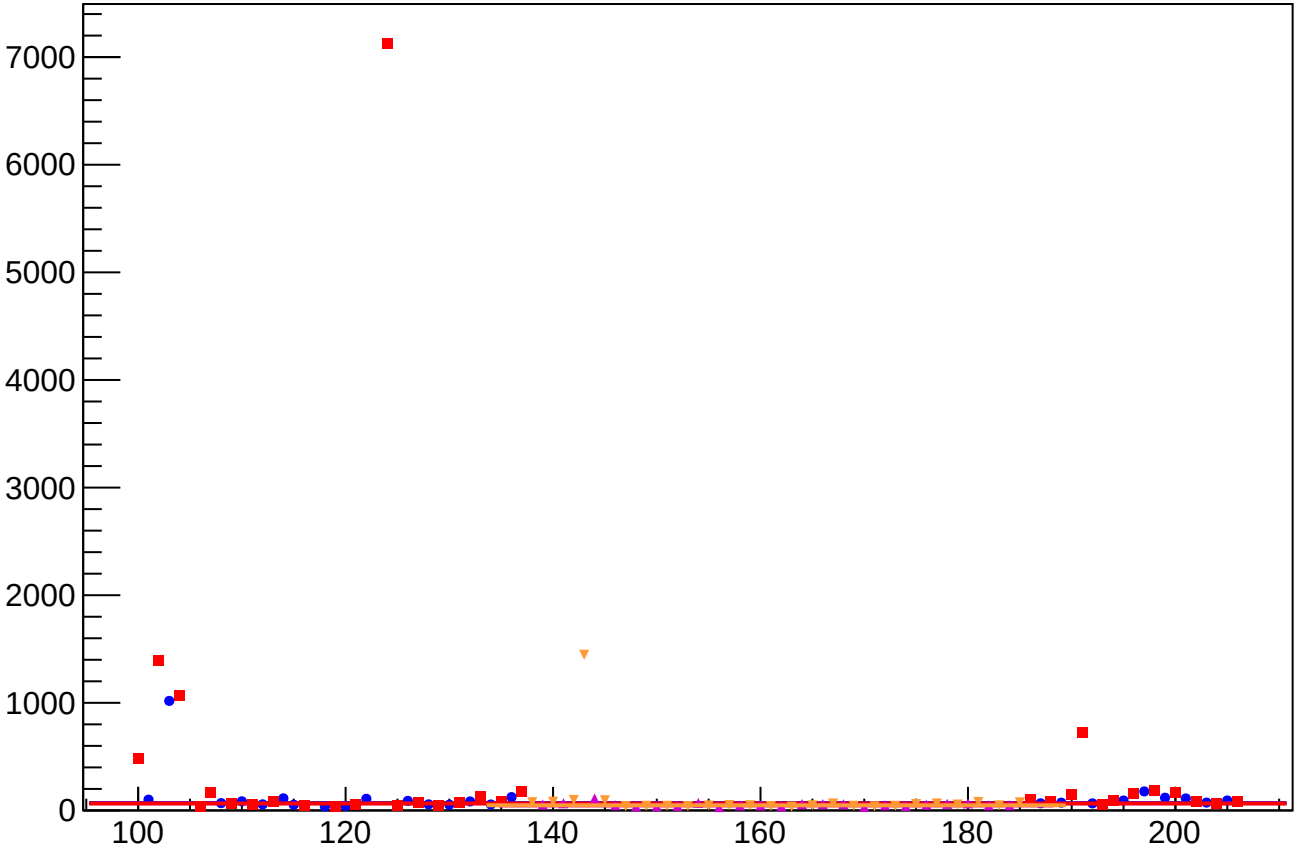
Right: 0.013+/-0.015 χ^2/NDF: 52.5/55

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 106.2/103

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

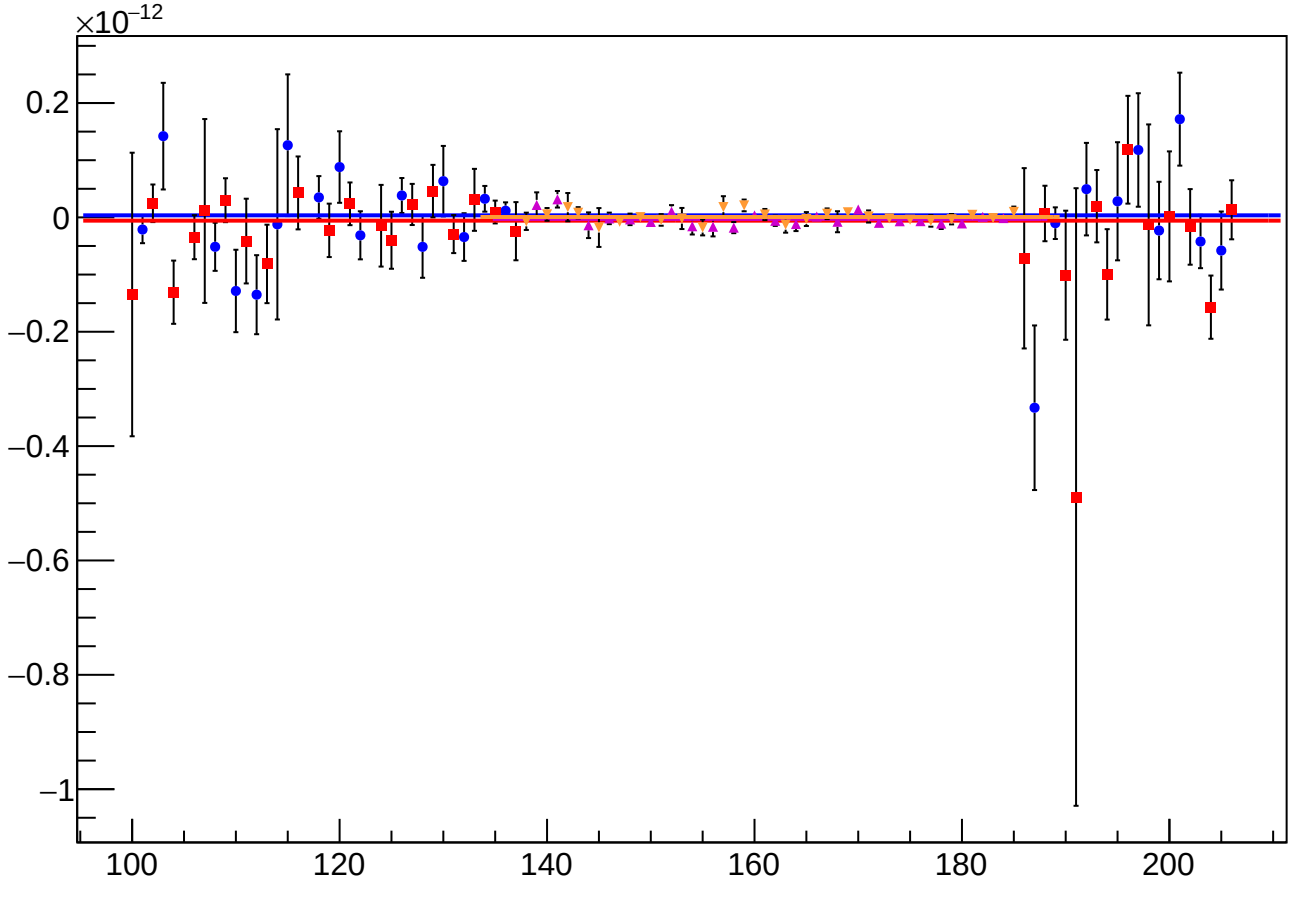
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.332+/-0.011 χ^2/NDF: 10124223.5/55

In: 51.882+/-0.008 χ^2/NDF:7271562.6/47

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.173+/-0.005 χ^2/NDF: 17989900.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

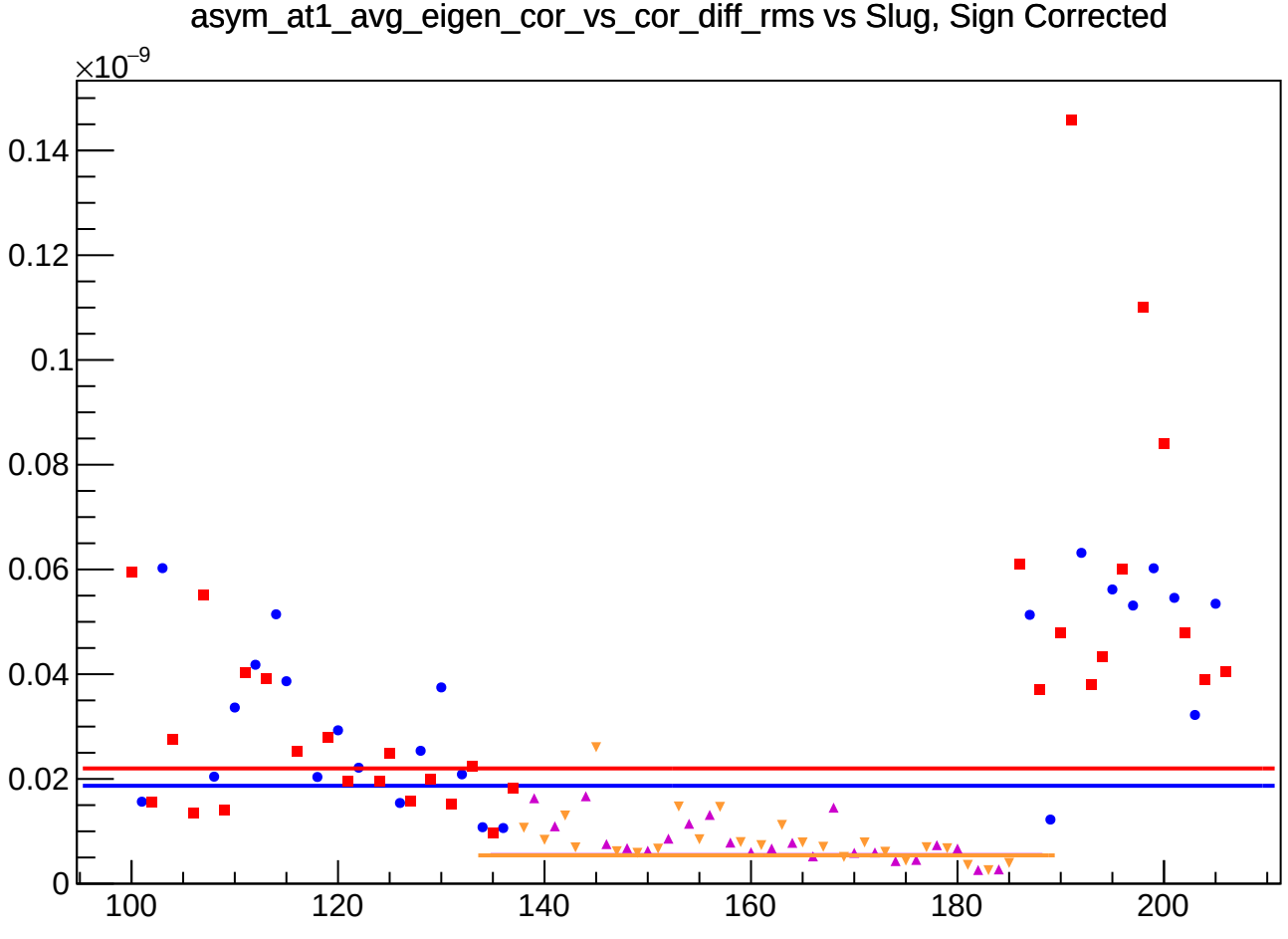
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/55

In: -0.000+/-0.000 χ^2/NDF:58.6/47

Out: 0.000+/-0.000 χ^2/NDF:42.8/55

All: -0.000+/-0.000 χ^2/NDF: 102.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 4917815.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4610117.0/30

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

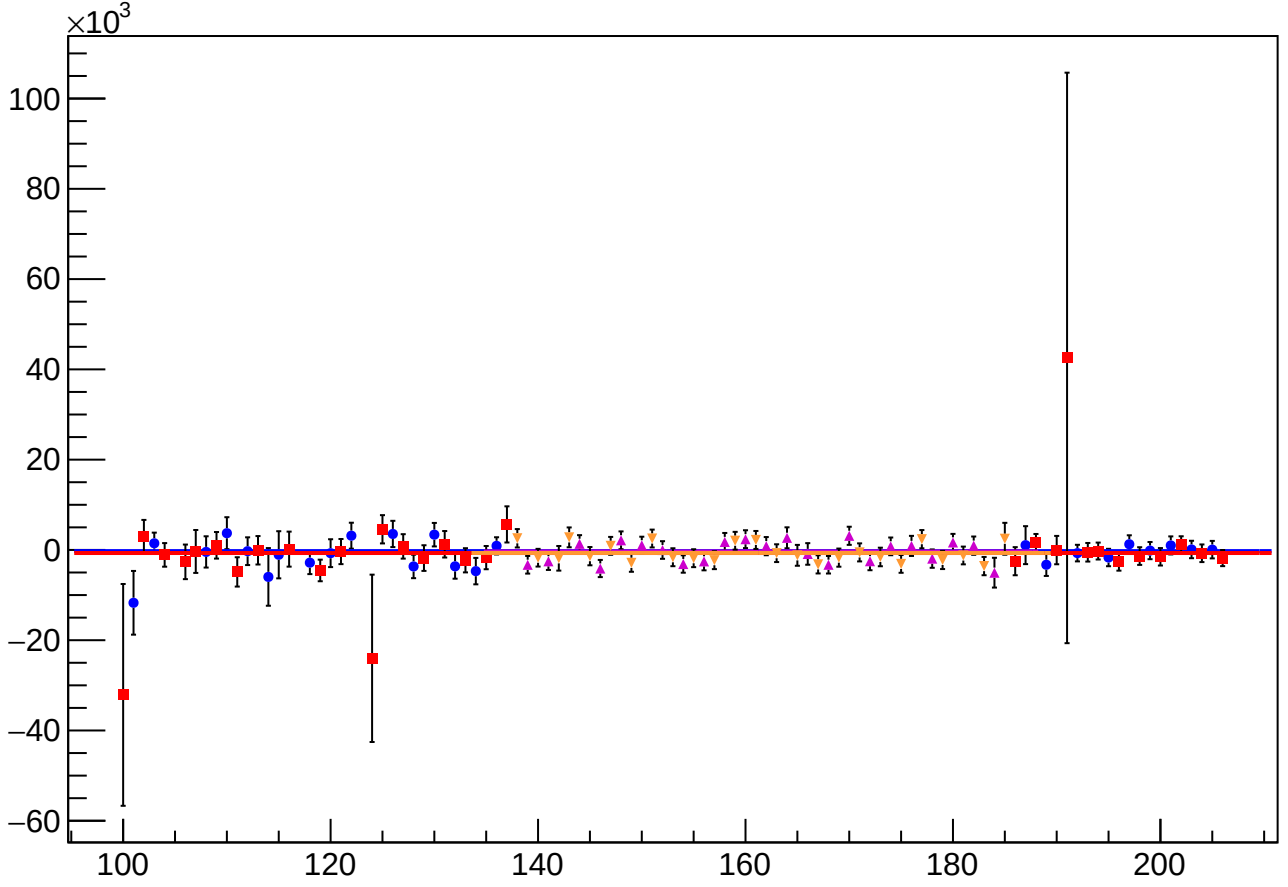
Right: 0.000+/-0.000 χ^2/NDF: 9682773.0/55

In: 0.000+/-0.000 χ^2/NDF:15171076.7/47

Out: 0.000+/-0.000 χ^2/NDF:16430771.9/55

All: 0.000+/-0.000 χ^2/NDF: 31605560.3/103

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -260.375+/-503.142 χ^2/NDF: 20.5/24

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -684.748+/-472.967 χ^2/NDF: 20.7/30

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

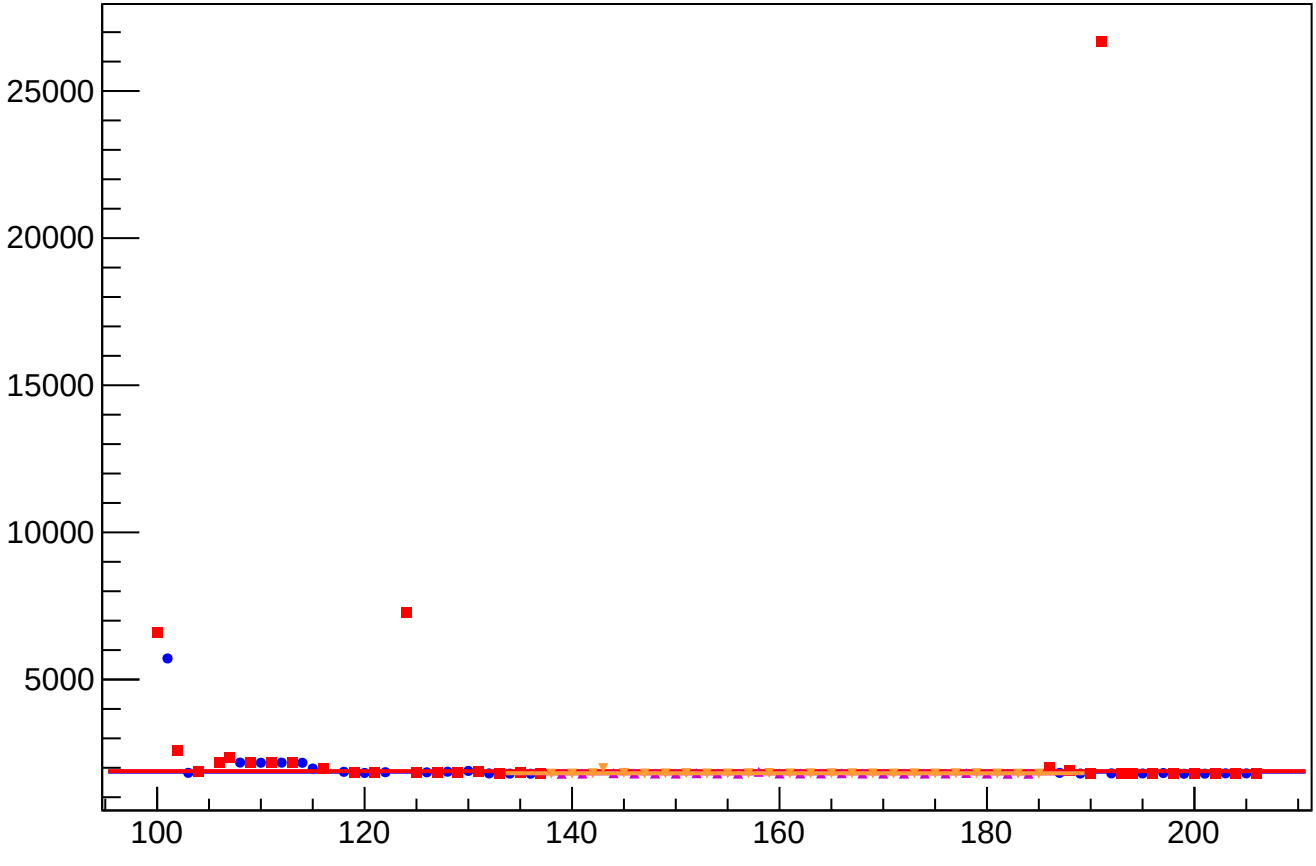
Right: -485.668+/-344.612 χ^2/NDF: 41.6/55

In: -308.780+/-323.650 χ^2/NDF:50.6/47

Out: -676.390+/-310.750 χ^2/NDF:45.5/55

All: -500.056+/-224.155 χ^2/NDF: 96.7/103

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.5/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1884.988+/-0.334 χ^2/NDF: 746973.0/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

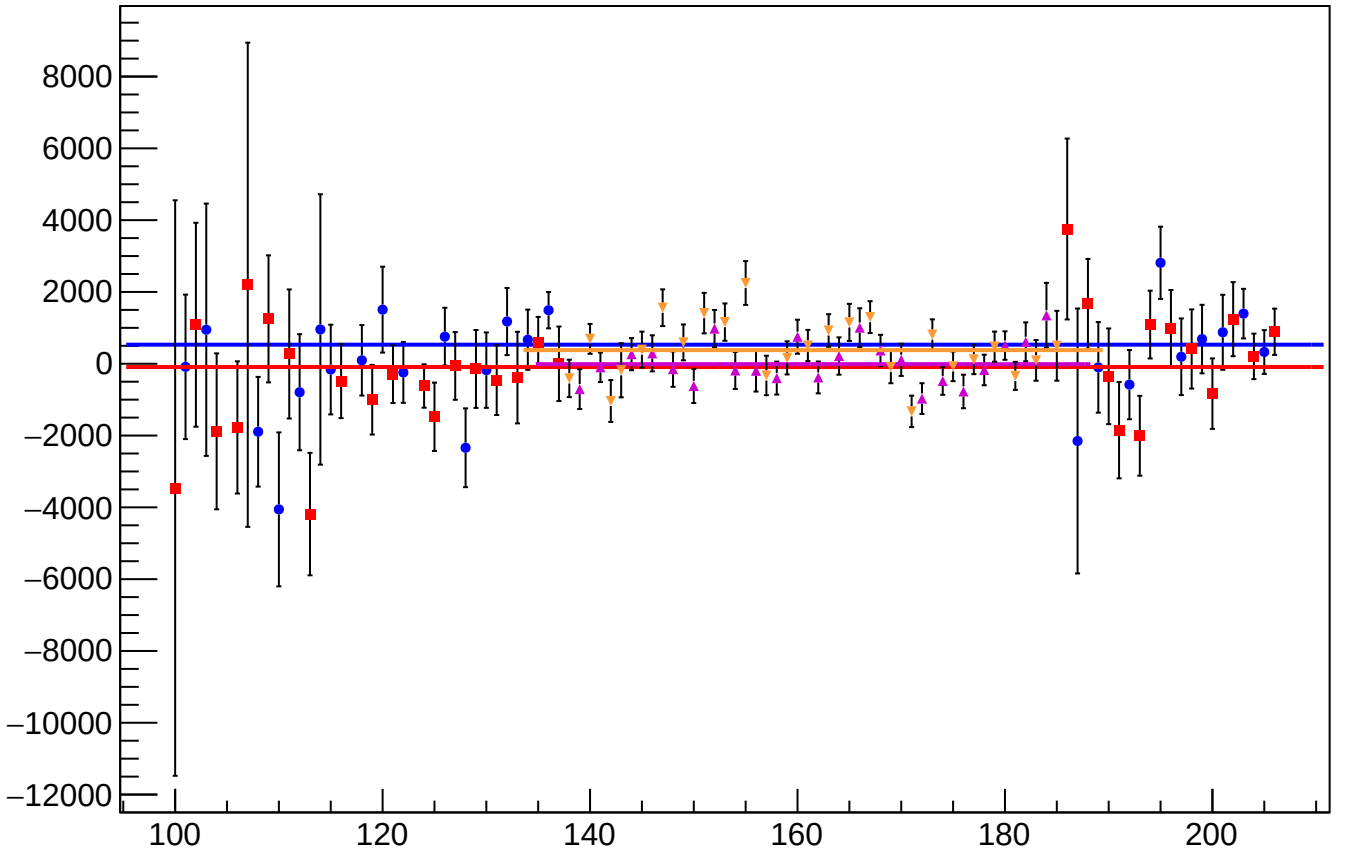
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1876.722+/-0.244 χ^2/NDF: 1419559.5/55

In: 1834.006+/-0.229 χ^2/NDF:688252.1/47

Out: 1844.891+/-0.220 χ^2/NDF:785367.9/55

All: 1839.670+/-0.159 χ^2/NDF: 1474797.1/10



Right In: 531.212+/-198.407 χ^2/NDF: 30.5/24

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -91.432+/-188.836 χ^2/NDF: 30.1/30

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

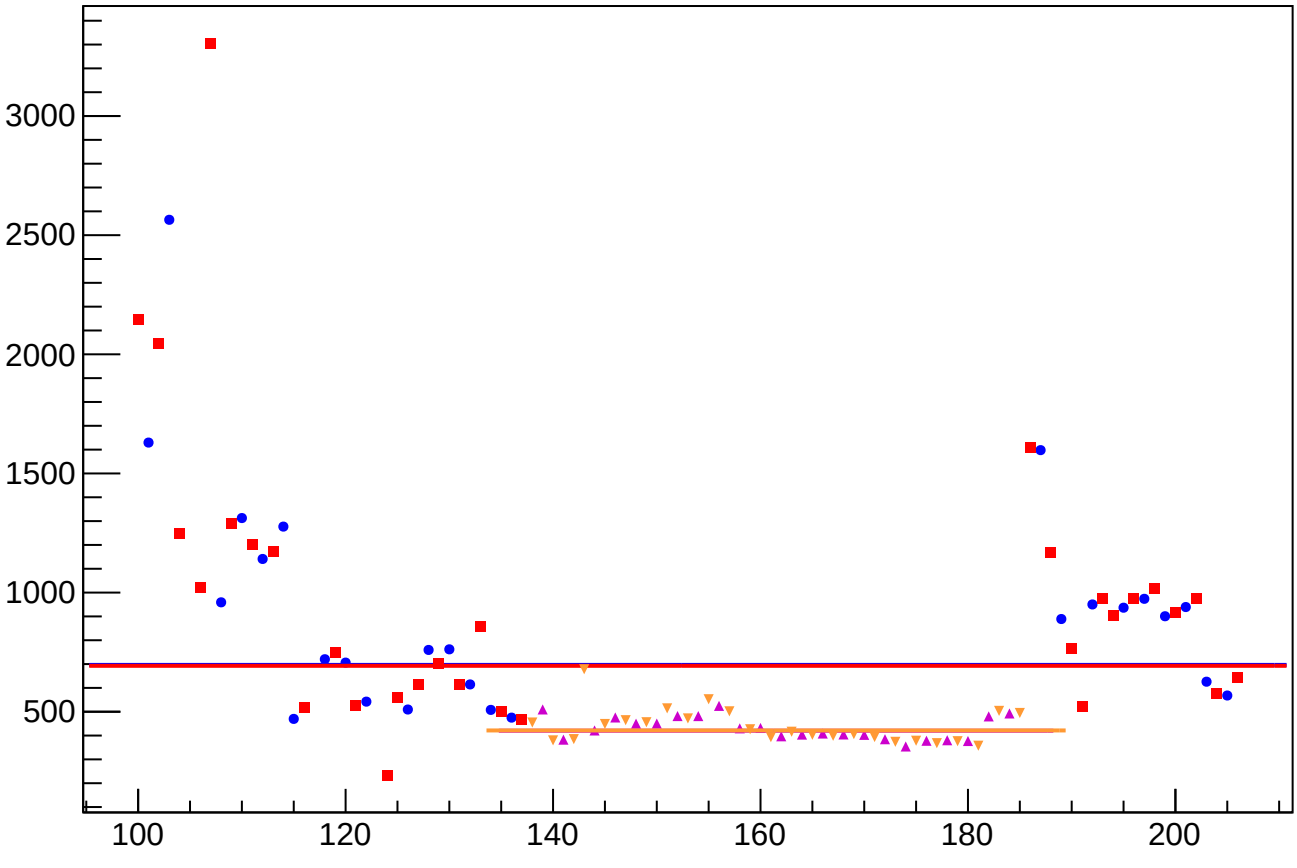
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 204.509+/-136.786 χ^2/NDF: 65.8/55

In: 96.622+/-88.567 χ^2/NDF:67.6/47

Out: 281.044+/-86.292 χ^2/NDF:97.3/55

All: 191.233+/-61.806 χ^2/NDF: 167.2/103



Right In: 696.465+/-0.140 χ^2/NDF: 3036412.2/24

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 692.712+/-0.134 χ^2/NDF: 4674859.5/30

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

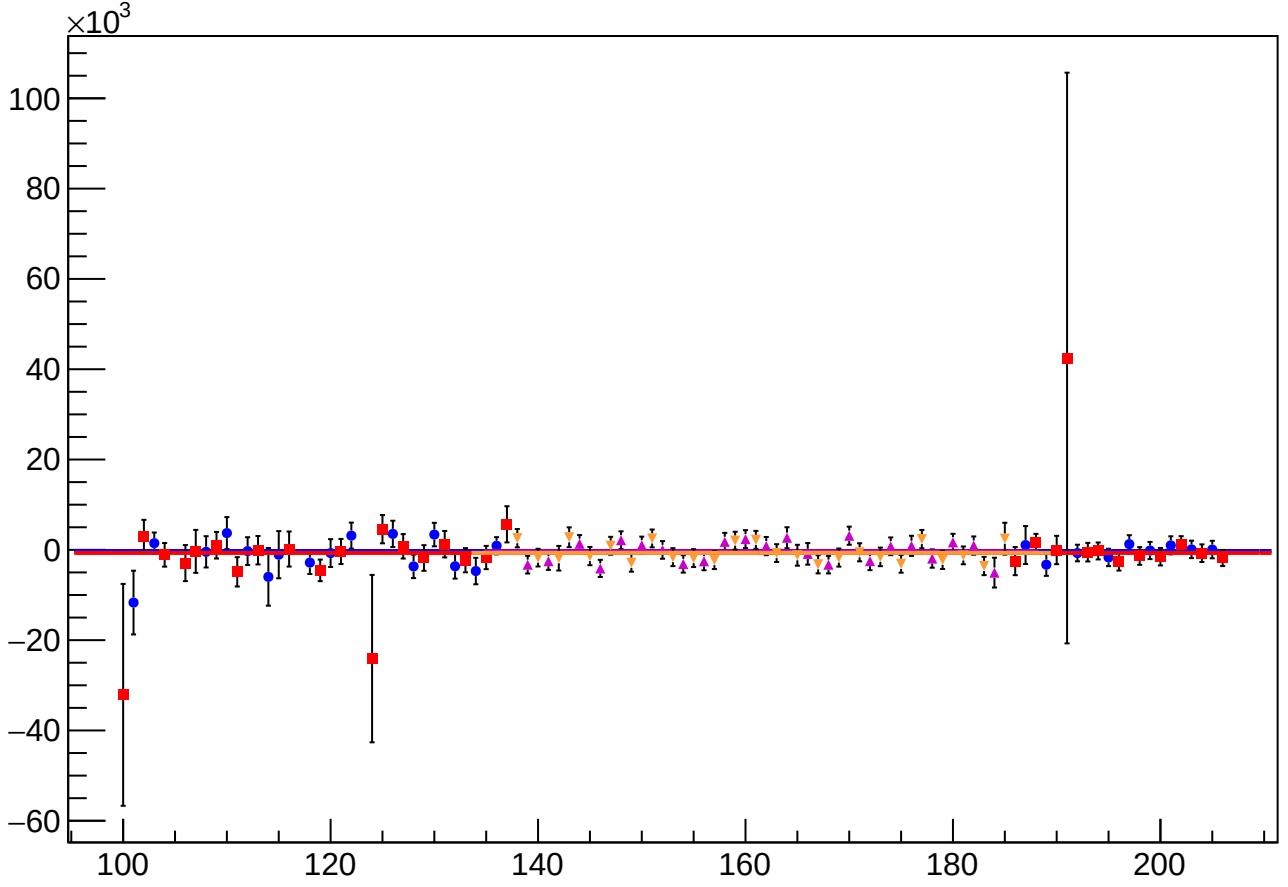
Right: 694.496+/-0.097 χ^2/NDF: 7711647.0/55

In: 475.268+/-0.063 χ^2/NDF:6553982.5/47

Out: 478.068+/-0.061 χ^2/NDF:8683974.2/55

All: 476.705+/-0.044 χ^2/NDF: 15238982.3/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -686.715+/-473.252 χ^2/NDF: 20.8/30

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

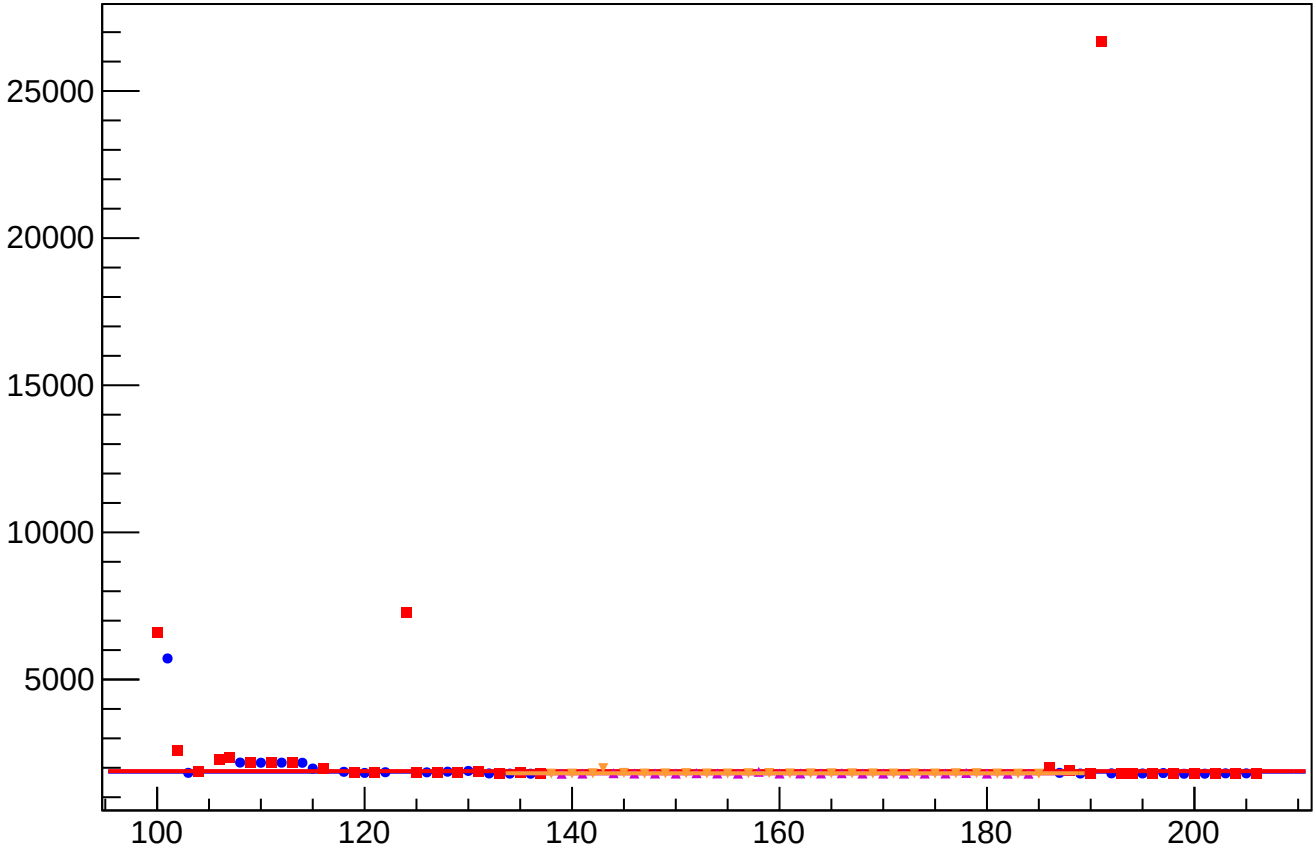
Right: -486.397+/-344.722 χ^2/NDF: 41.6/55

In: -308.640+/-323.650 χ^2/NDF:50.6/47

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -500.378+/-224.185 χ^2/NDF: 96.8/103

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

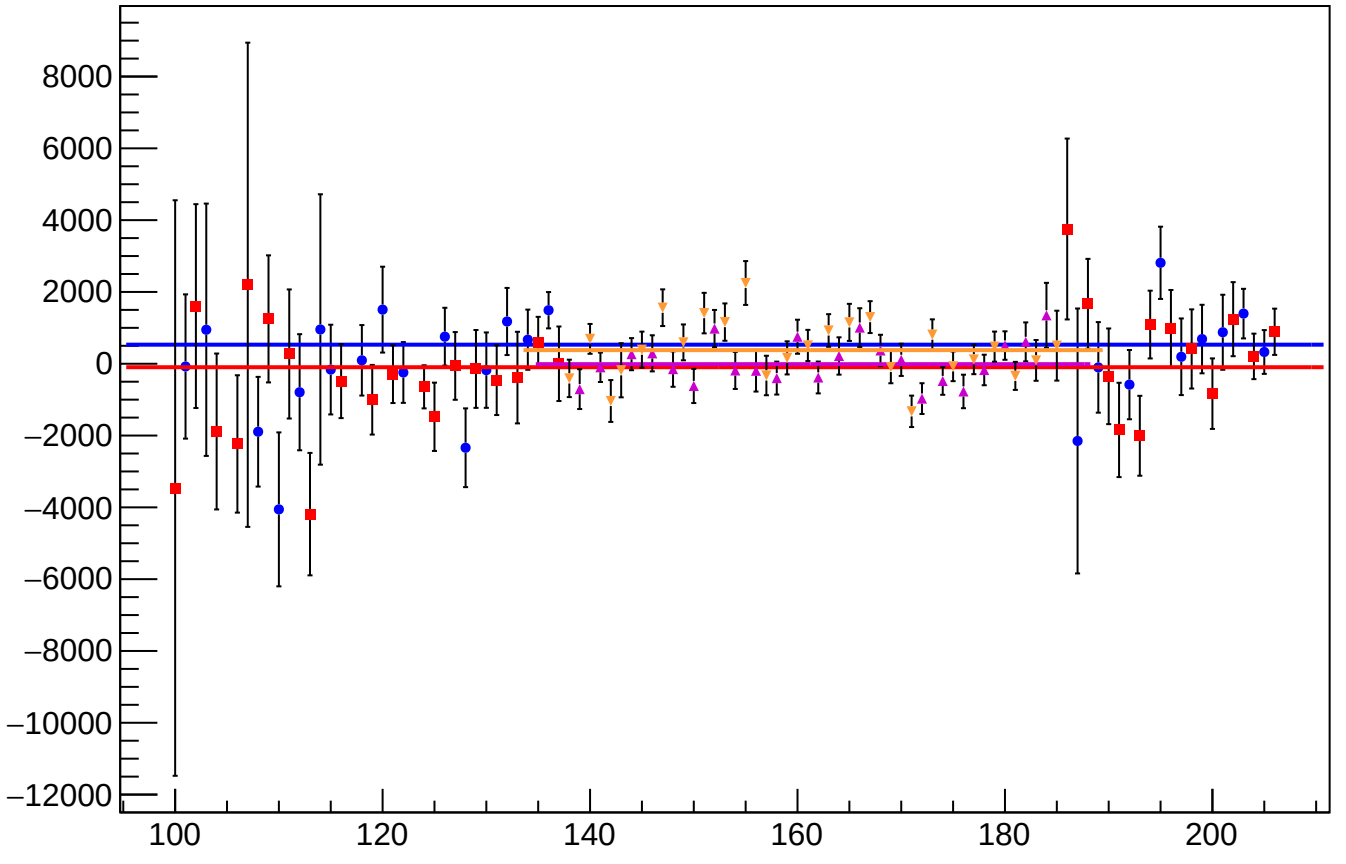
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1877.135+/-0.244 χ^2/NDF: 1425747.4/55

In: 1834.006+/-0.229 χ^2/NDF:688252.0/47

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.834+/-0.159 χ^2/NDF: 1481486.4/10



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -96.699+/-188.693 χ^2/NDF: 30.8/30

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

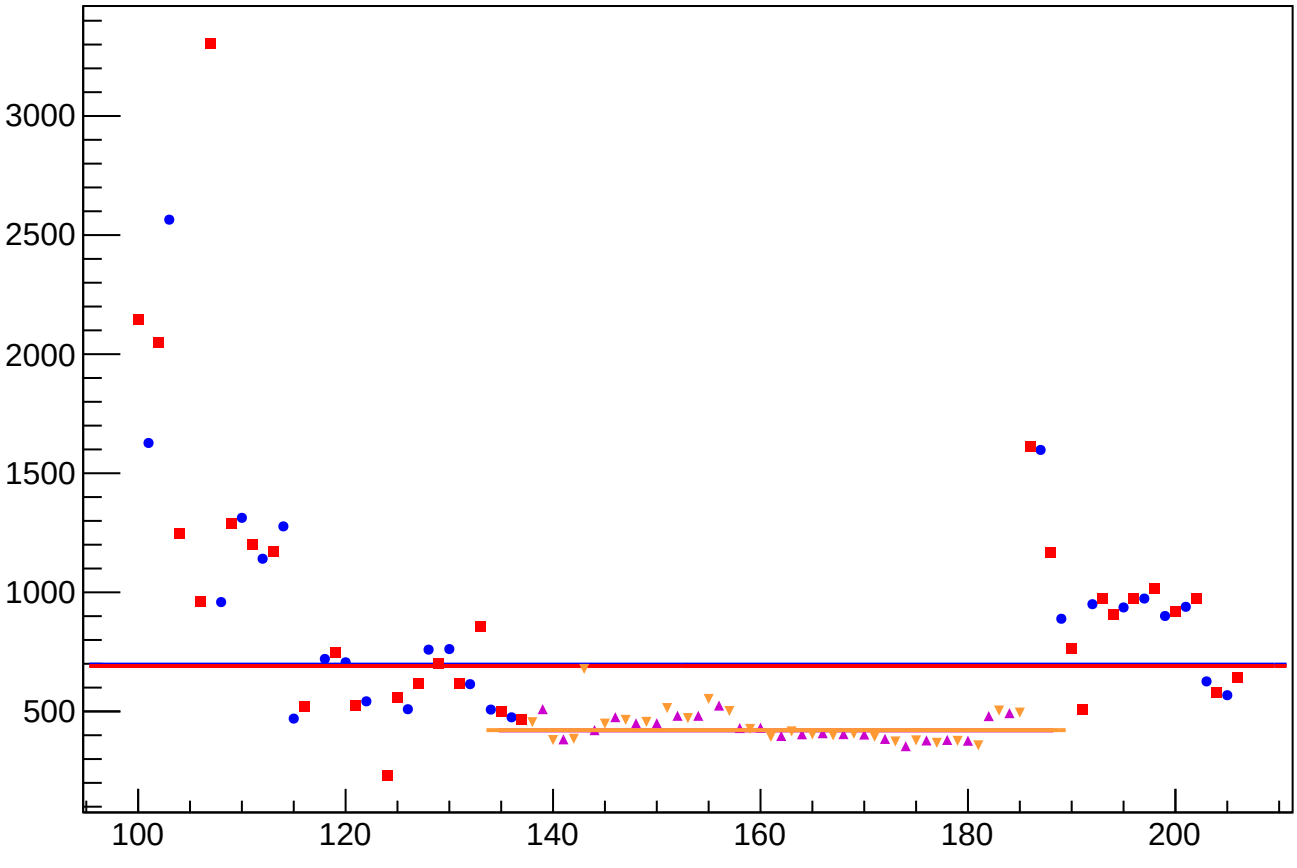
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 201.536+/-136.730 χ^2/NDF: 66.6/55

In: 96.623+/-88.566 χ^2/NDF:67.7/47

Out: 279.817+/-86.278 χ^2/NDF:98.2/55

All: 190.617+/-61.801 χ^2/NDF: 168.0/103



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

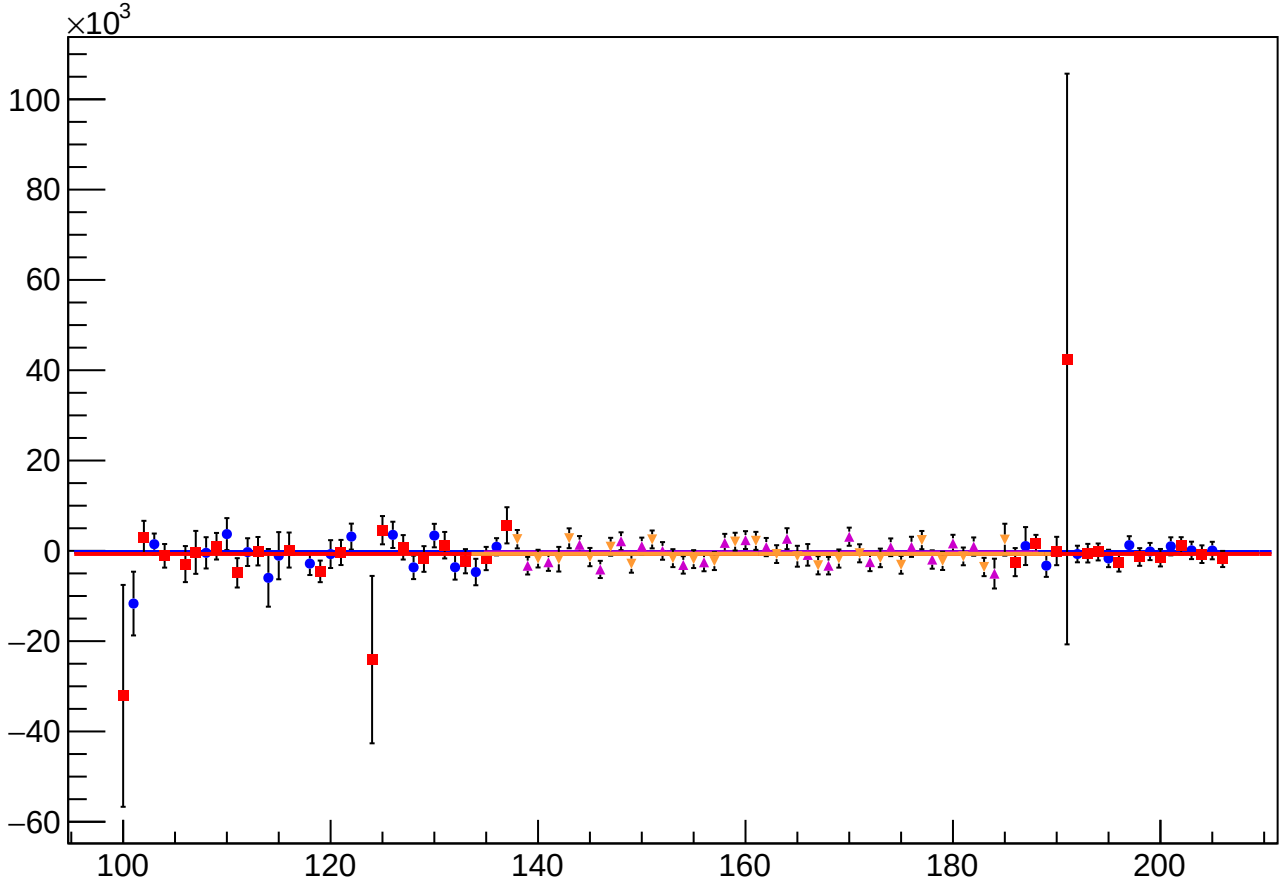
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 693.414+/-0.097 χ^2/NDF: 7721699.9/55

In: 475.266+/-0.063 χ^2/NDF:6553354.1/47

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 476.519+/-0.044 χ^2/NDF: 15202845.5/10



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -686.715+/-473.252 χ^2/NDF: 20.8/30

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

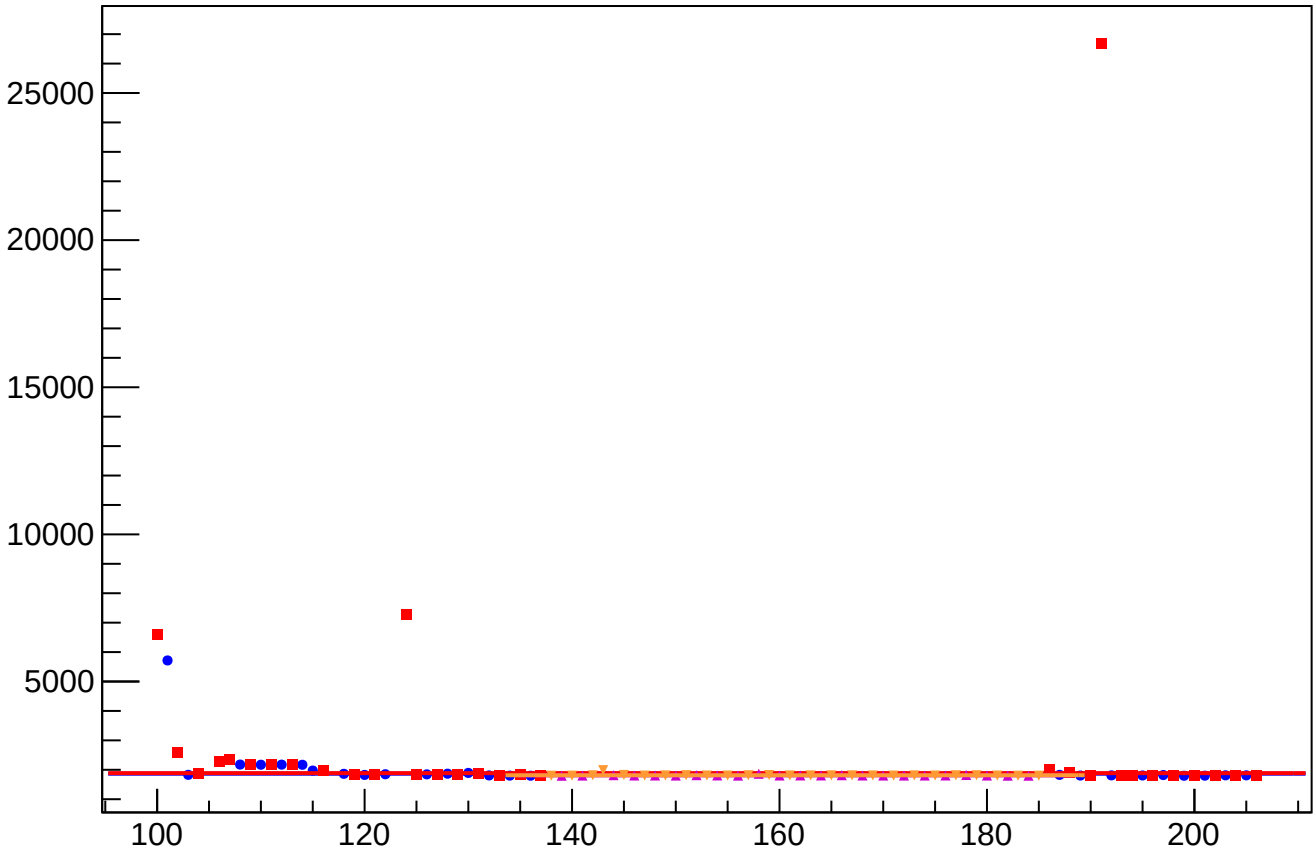
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -486.397+/-344.722 χ^2/NDF: 41.6/55

In: -308.640+/-323.650 χ^2/NDF:50.6/47

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -500.378+/-224.185 χ^2/NDF: 96.8/103



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

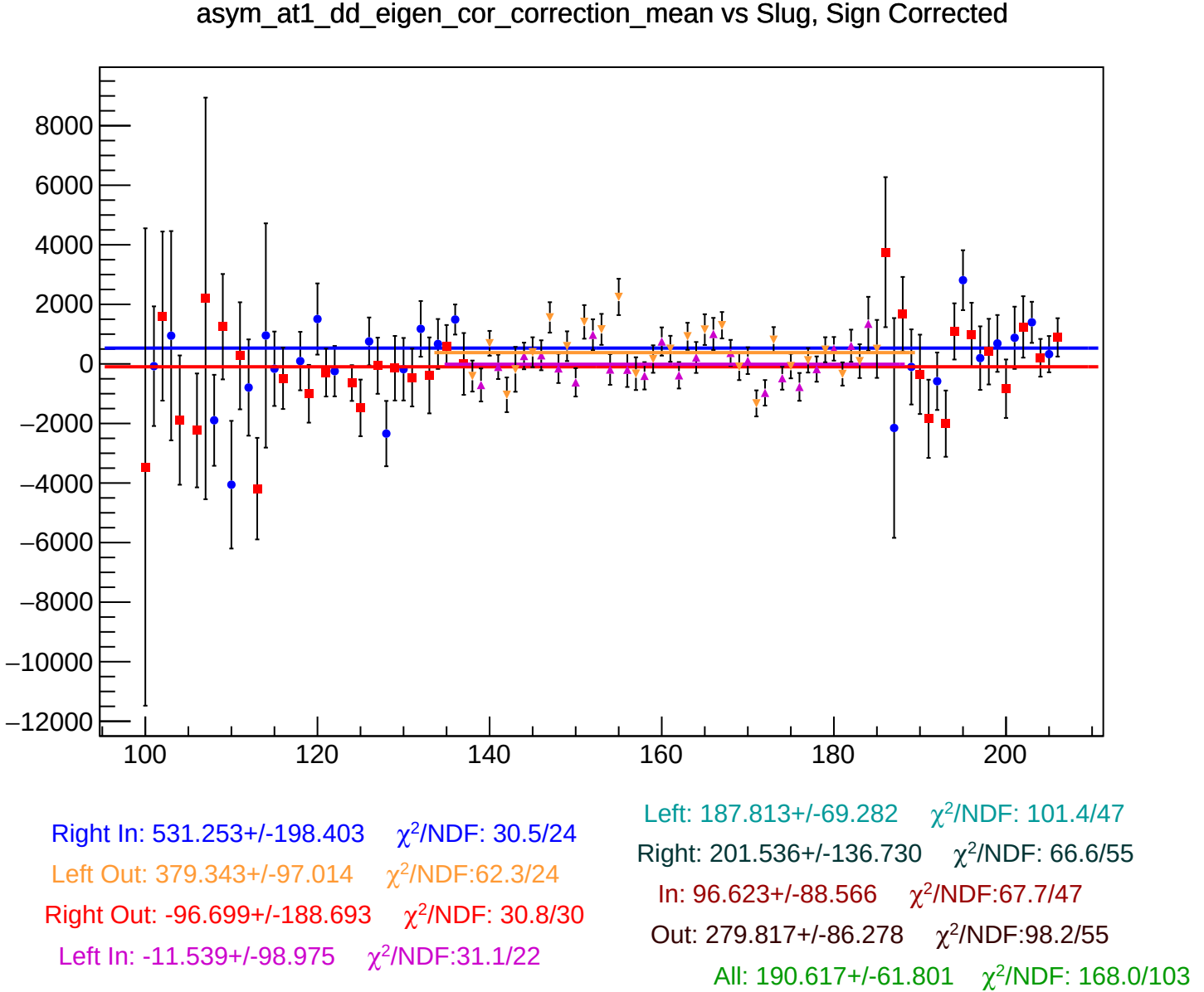
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1877.135+/-0.244 χ^2/NDF: 1425747.4/55

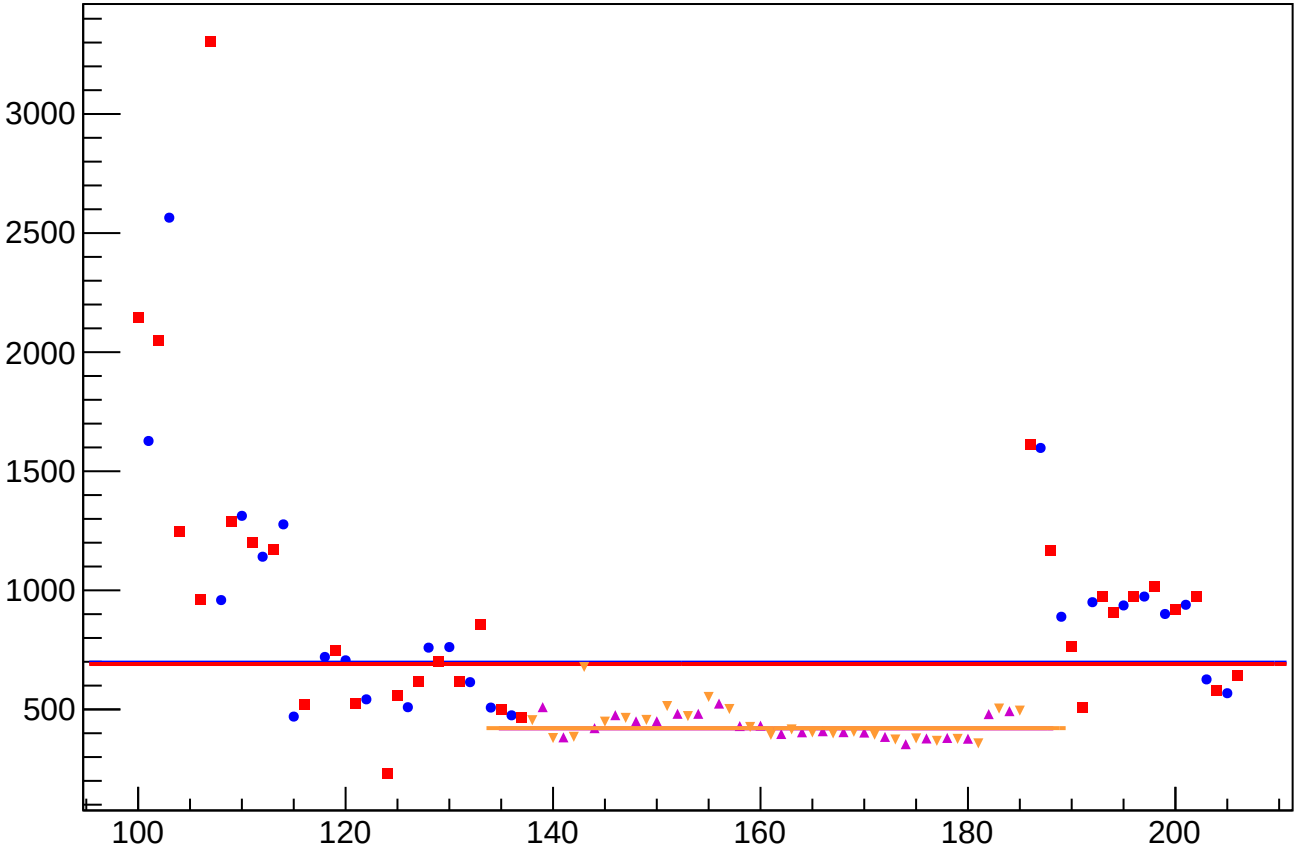
In: 1834.006+/-0.229 χ^2/NDF:688252.0/47

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.834+/-0.159 χ^2/NDF: 1481486.4/10


asym_at1_dd_eigen_cor_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: 531.253+/-198.403 χ²/NDF: 30.5/24
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -96.699+/-188.693 χ²/NDF: 30.8/30
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 201.536+/-136.730 χ²/NDF: 66.6/55
In: 96.623+/-88.566 χ²/NDF:67.7/47
Out: 279.817+/-86.278 χ²/NDF:98.2/55
All: 190.617+/-61.801 χ²/NDF: 168.0/103

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

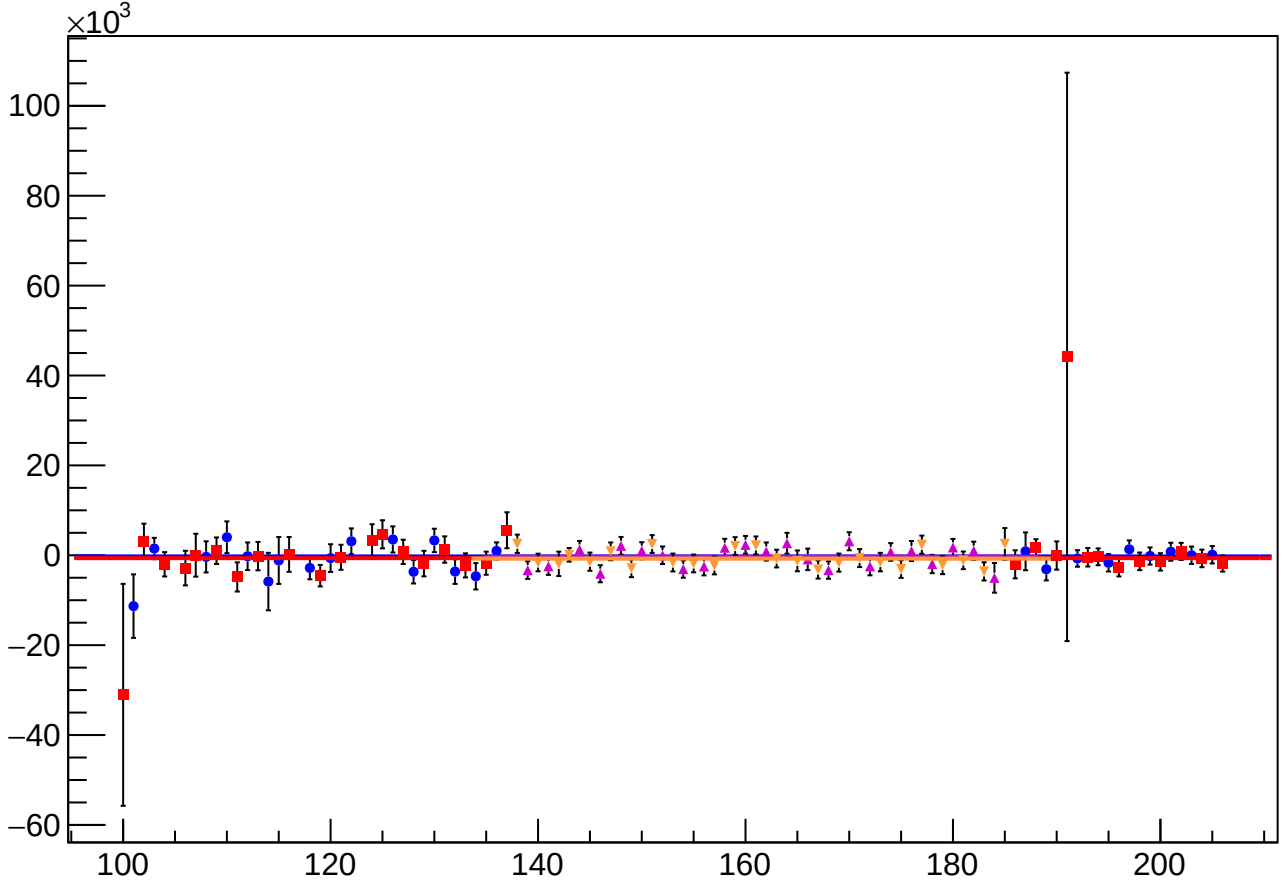
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 693.414+/-0.097 χ^2/NDF: 7721699.9/55

In: 475.266+/-0.063 χ^2/NDF:6553354.1/47

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 476.519+/-0.044 χ^2/NDF: 15202845.5/10



Right In: -254.140+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -642.976+/-470.567 χ^2/NDF: 20.2/30

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

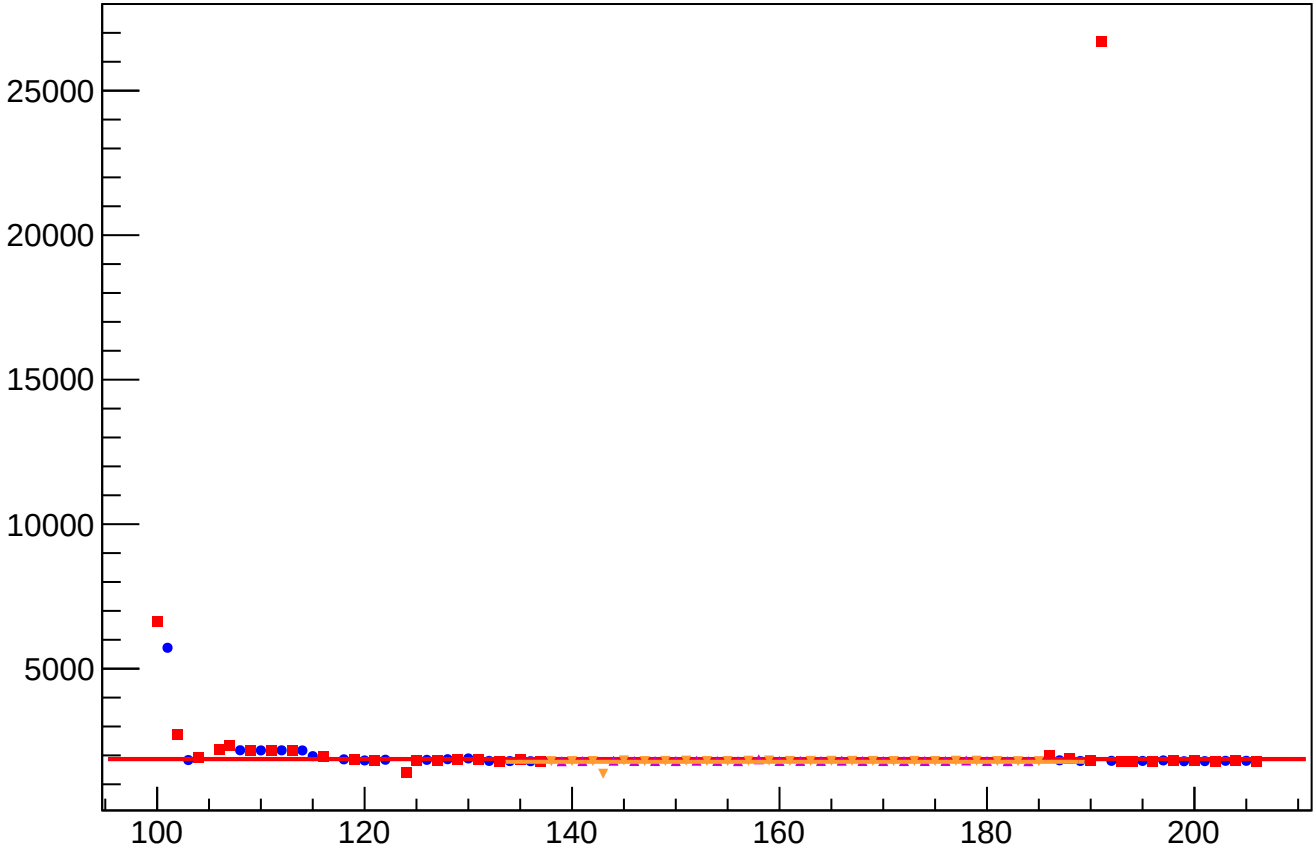
Right: -461.768+/-343.860 χ^2/NDF: 40.6/55

In: -305.223+/-323.865 χ^2/NDF:49.7/47

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -508.009+/-222.695 χ^2/NDF: 92.9/103

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1869.318+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630047.0/30

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

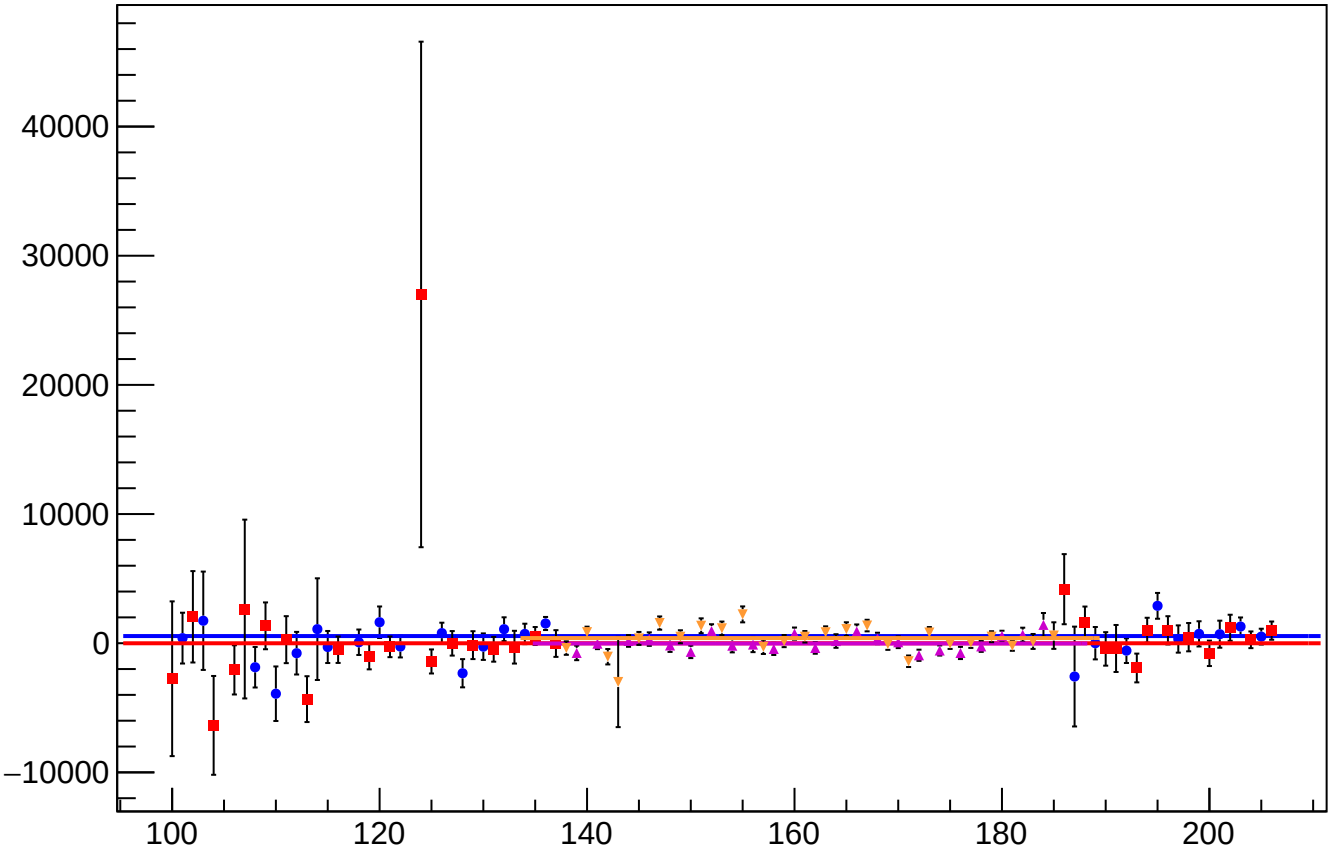
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1873.464+/-0.243 χ^2/NDF: 1301281.8/55

In: 1835.158+/-0.229 χ^2/NDF:688627.1/47

Out: 1819.357+/-0.217 χ^2/NDF:843667.4/55

All: 1826.828+/-0.157 χ^2/NDF: 1534804.1/10



Right In: 554.002+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -4.421+/-202.258 χ^2/NDF: 31.2/30

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

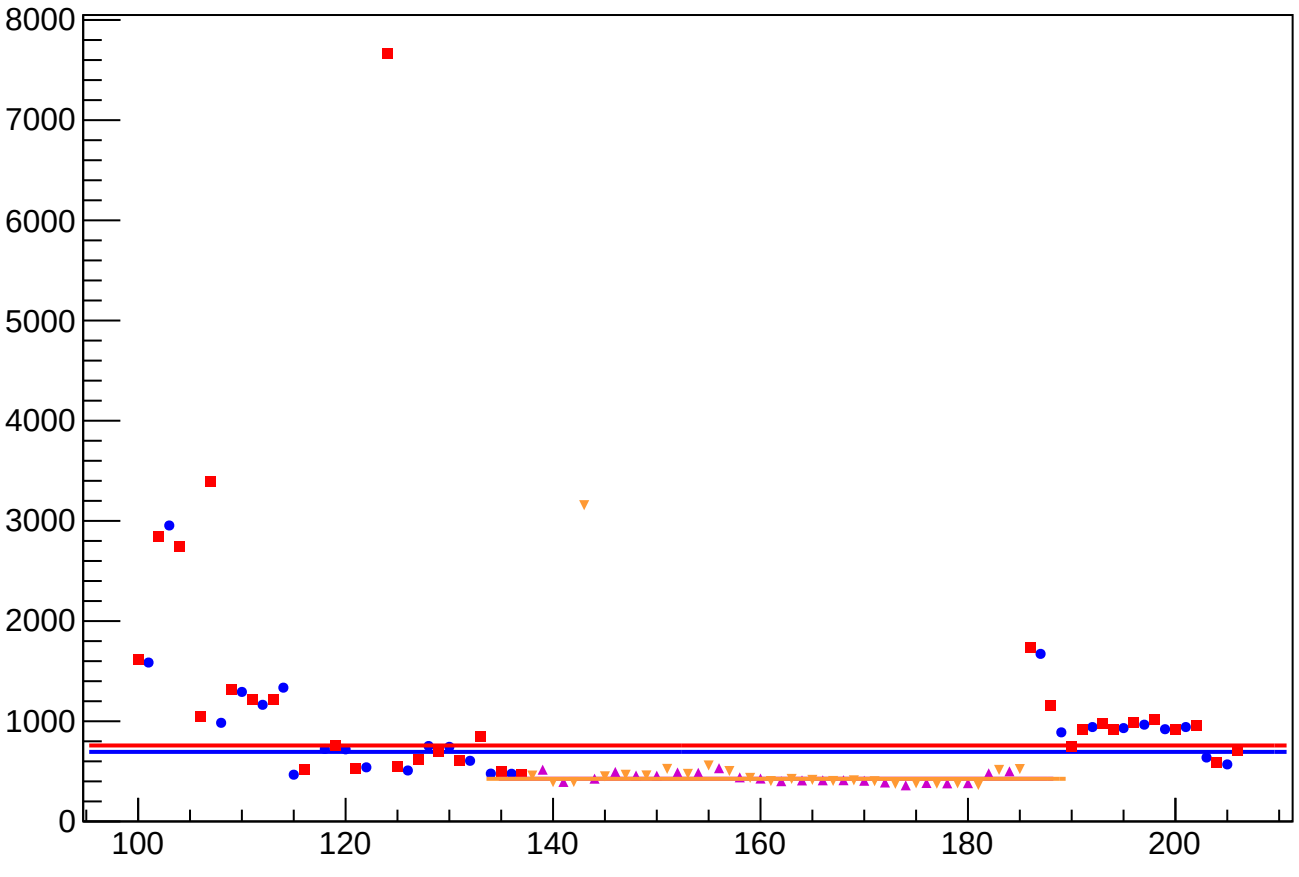
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 280.743+/-141.485 χ^2/NDF: 65.8/55

In: 96.000+/-89.449 χ^2/NDF:68.2/47

Out: 320.229+/-89.039 χ^2/NDF:94.9/55

All: 208.629+/-63.104 χ^2/NDF: 166.3/103



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.1/24

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326552.7/30

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

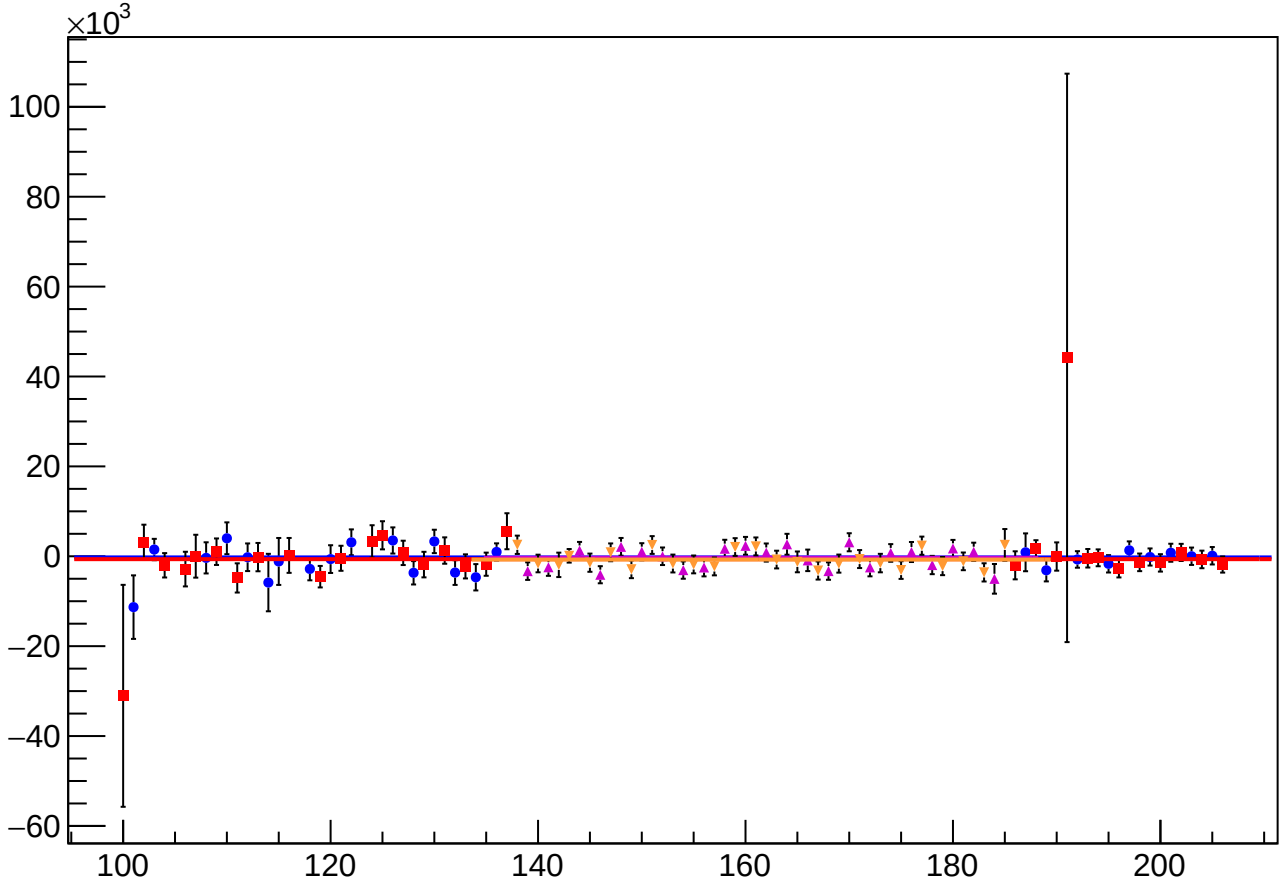
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 725.673+/-0.100 χ^2/NDF: 7656267.3/55

In: 480.887+/-0.063 χ^2/NDF:6563873.0/47

Out: 490.166+/-0.063 χ^2/NDF:10406512.9/55

All: 485.548+/-0.045 χ^2/NDF: 16981195.6/10



Right In: -254.141+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -642.975+/-470.567 χ^2/NDF: 20.2/30

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

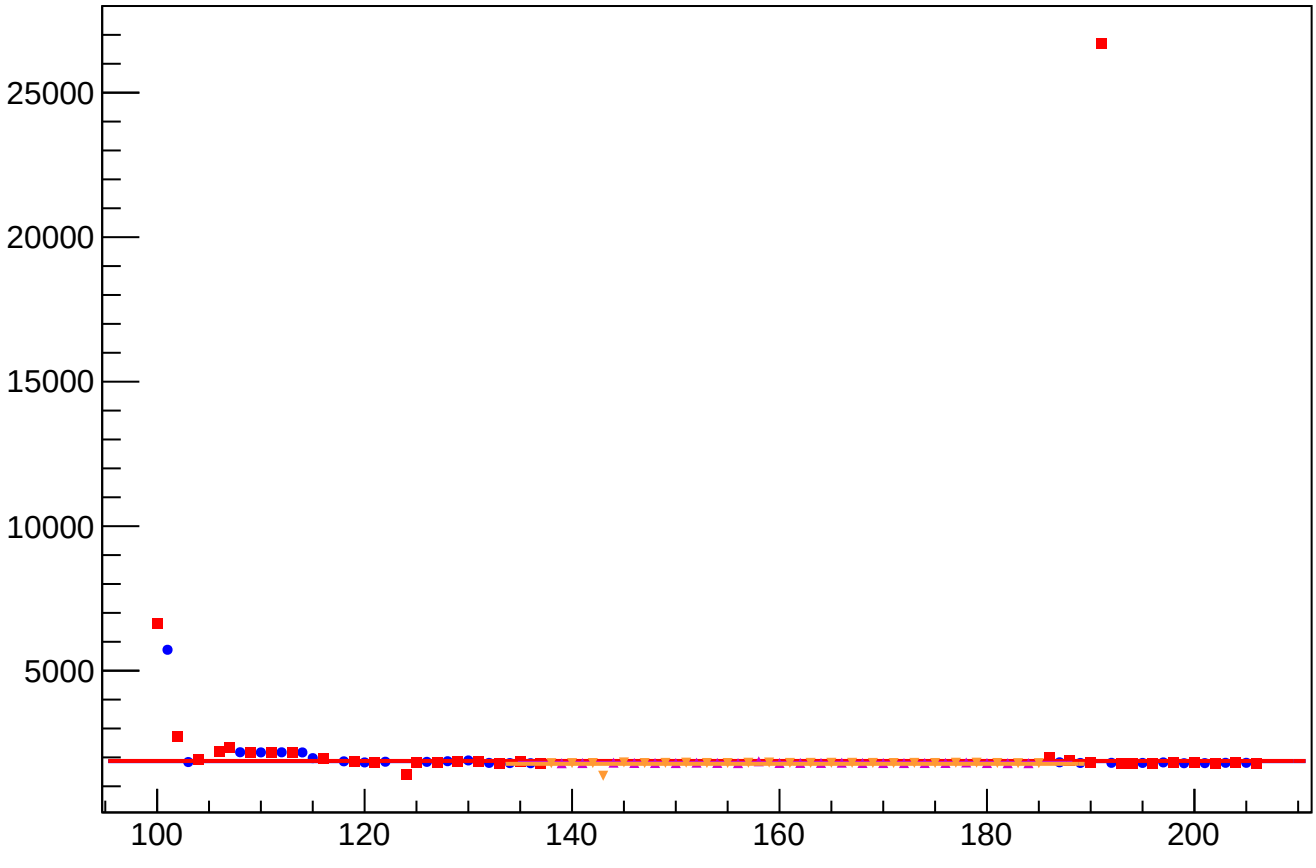
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -461.768+/-343.860 χ^2/NDF: 40.6/55

In: -305.223+/-323.865 χ^2/NDF:49.7/47

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -508.009+/-222.695 χ^2/NDF: 92.9/103



Right In: 1869.317+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630046.8/30

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

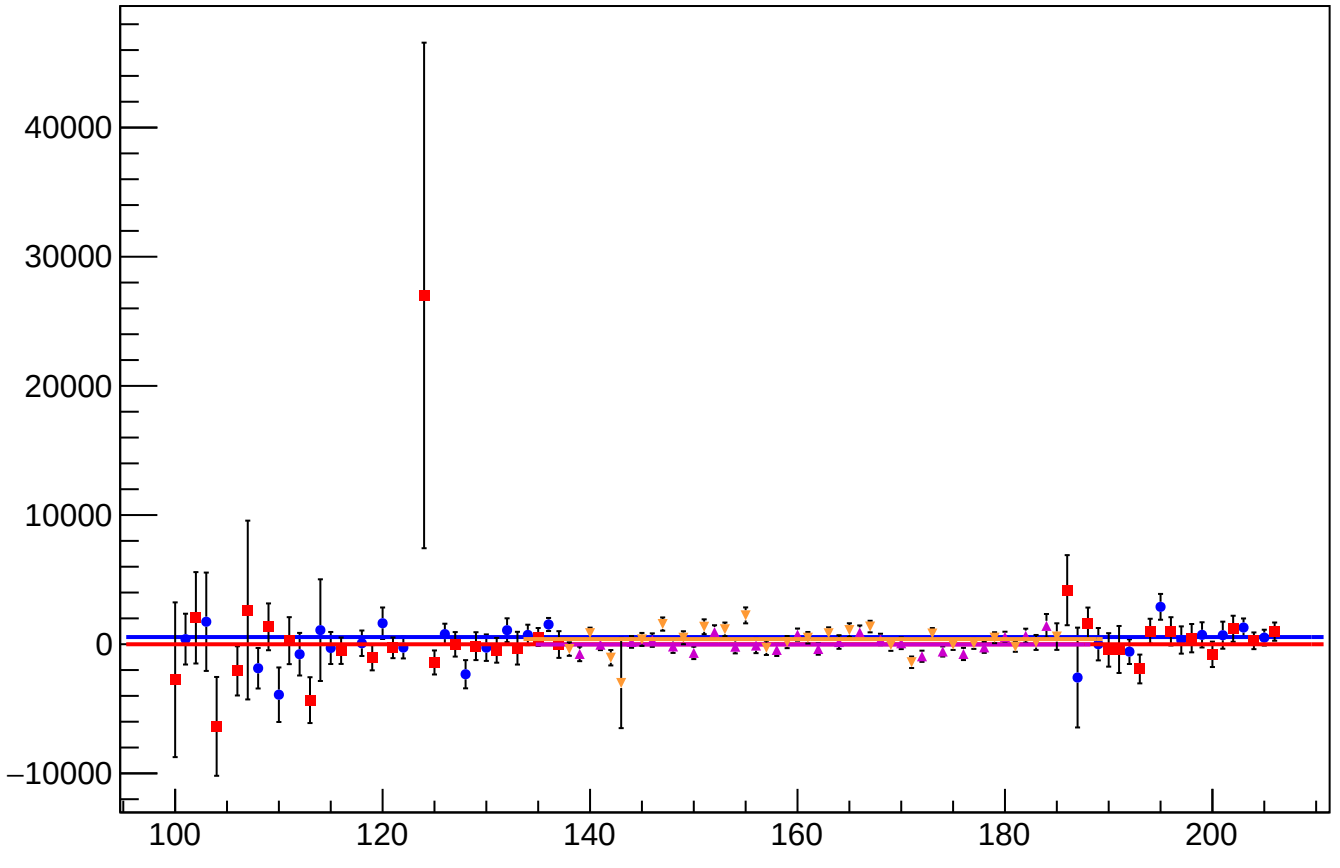
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1873.464+/-0.243 χ^2/NDF: 1301281.6/55

In: 1835.158+/-0.229 χ^2/NDF:688627.1/47

Out: 1819.357+/-0.217 χ^2/NDF:843667.2/55

All: 1826.828+/-0.157 χ^2/NDF: 1534803.9/10



Right In: 554.001+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -4.421+/-202.258 χ^2/NDF: 31.2/30

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

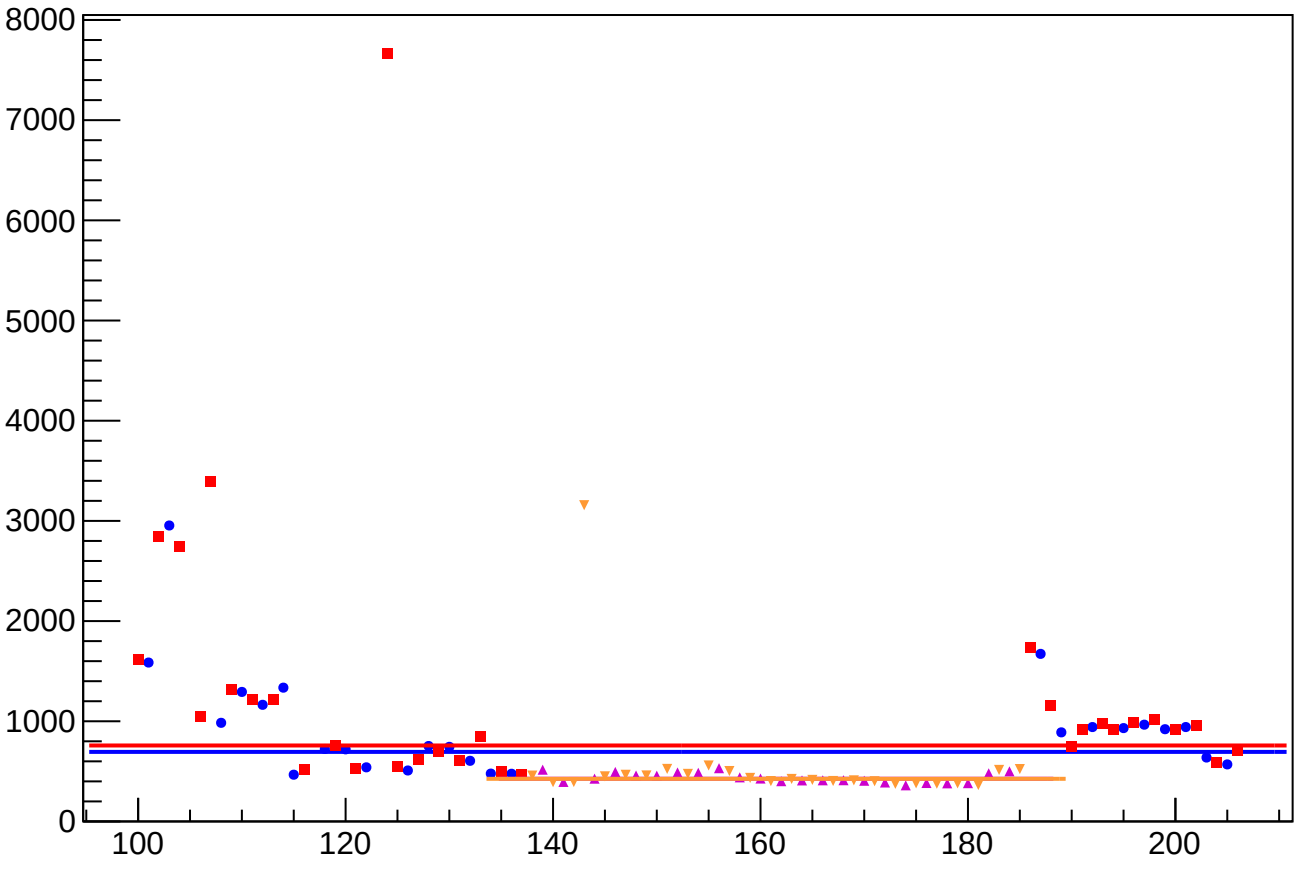
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 280.742+/-141.485 χ^2/NDF: 65.8/55

In: 96.001+/-89.449 χ^2/NDF:68.2/47

Out: 320.228+/-89.039 χ^2/NDF:94.9/55

All: 208.629+/-63.104 χ^2/NDF: 166.3/103



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.0/24

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326553.5/30

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

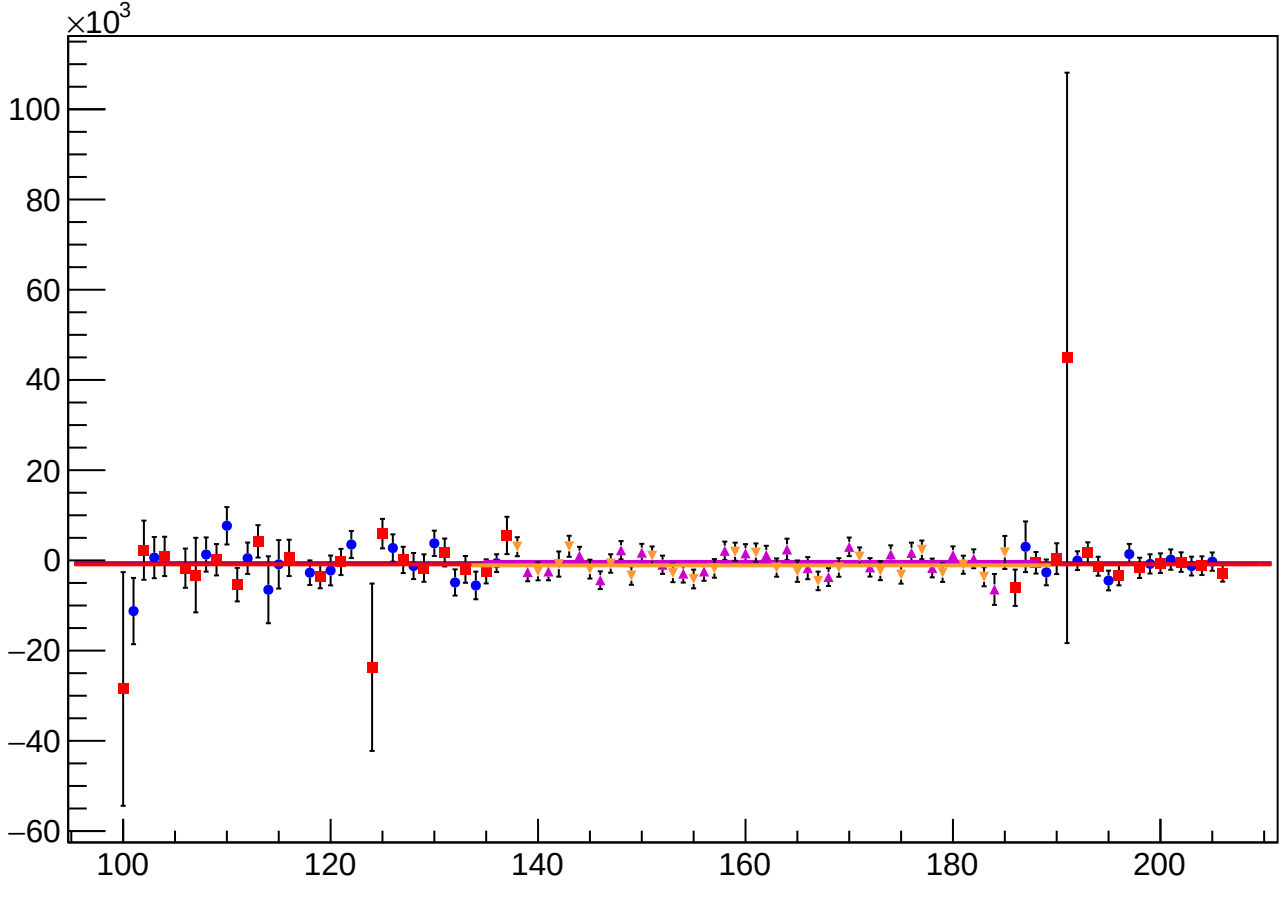
Right: 725.673+/-0.100 χ^2/NDF: 7656268.6/55

In: 480.887+/-0.063 χ^2/NDF:6563881.7/47

Out: 490.165+/-0.063 χ^2/NDF:10406528.4/55

All: 485.547+/-0.045 χ^2/NDF: 16981219.5/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -635.652+/-560.485 χ^2/NDF: 23.5/24

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -869.151+/-534.483 χ^2/NDF: 22.0/30

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

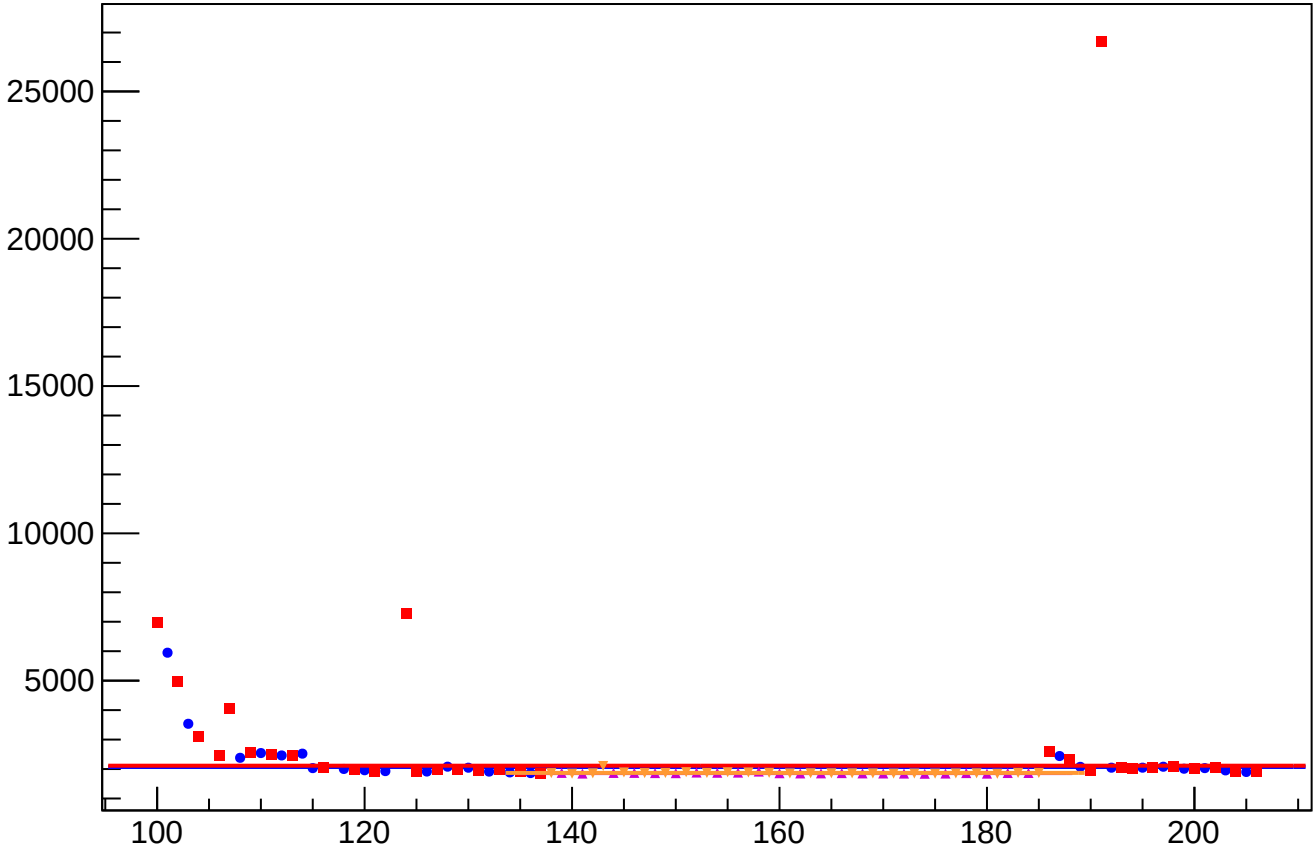
Right: -757.943+/-386.802 χ^2/NDF: 45.6/55

In: -455.453+/-343.619 χ^2/NDF:52.5/47

Out: -1014.219+/-332.484 χ^2/NDF:50.1/55

All: -744.036+/-238.941 χ^2/NDF: 104.0/103

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2070.290+/-0.396 χ^2/NDF: 916336.7/24

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2113.245+/-0.378 χ^2/NDF: 1362629.9/30

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

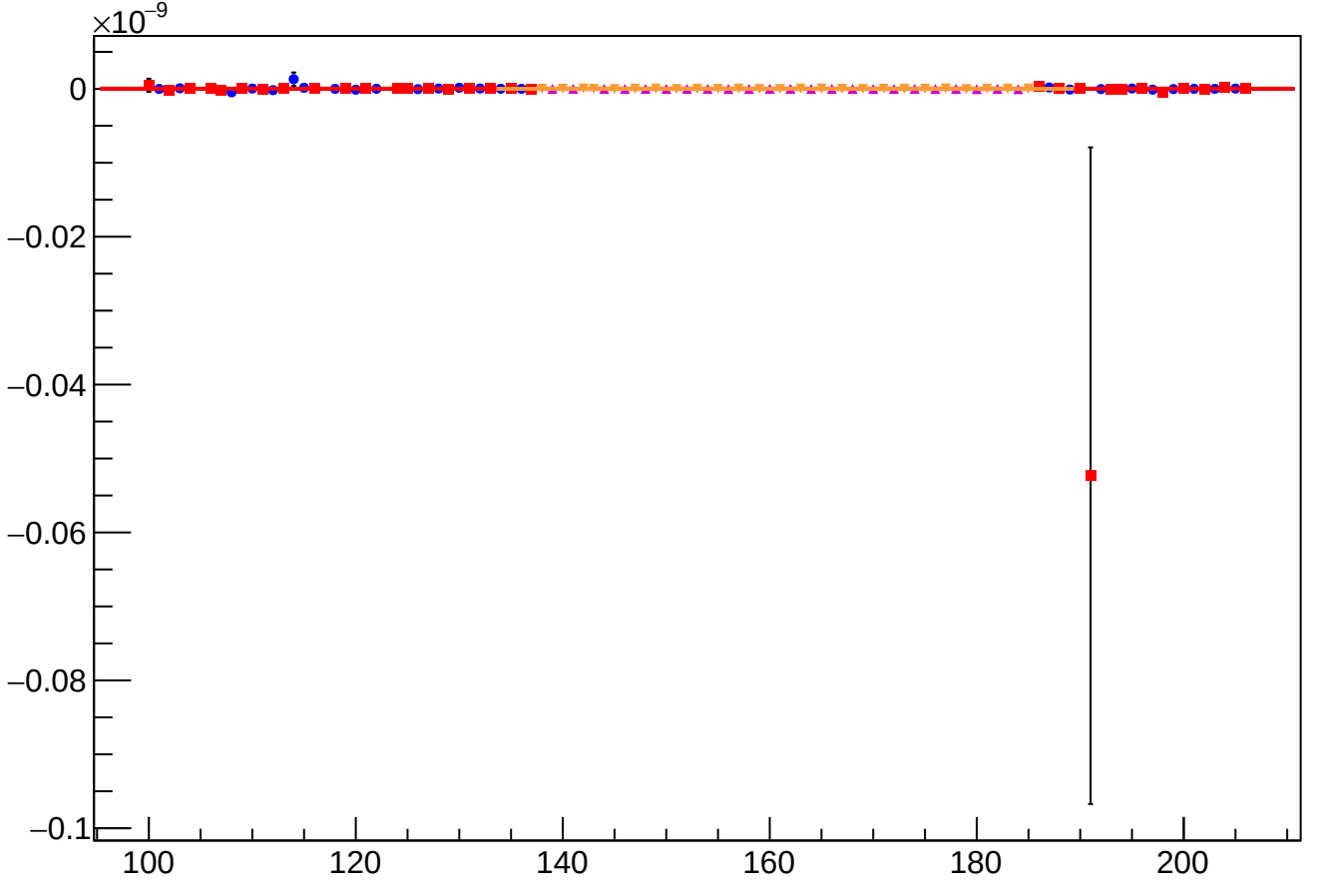
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2092.787+/-0.274 χ^2/NDF: 2285119.0/55

In: 1940.805+/-0.243 χ^2/NDF:1090076.2/47

Out: 1963.479+/-0.235 χ^2/NDF:1642103.5/55

All: 1952.515+/-0.169 χ^2/NDF: 2736677.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

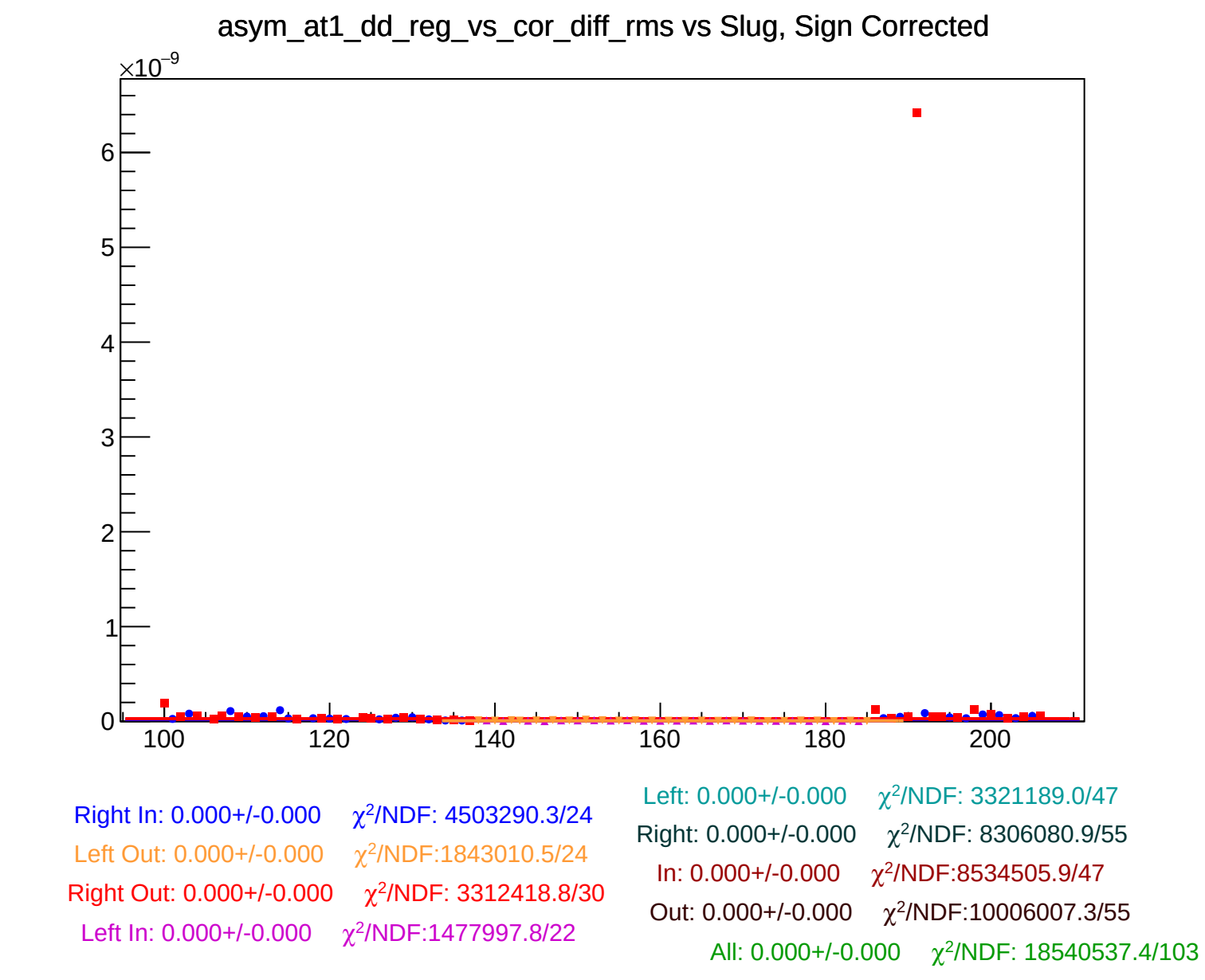
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

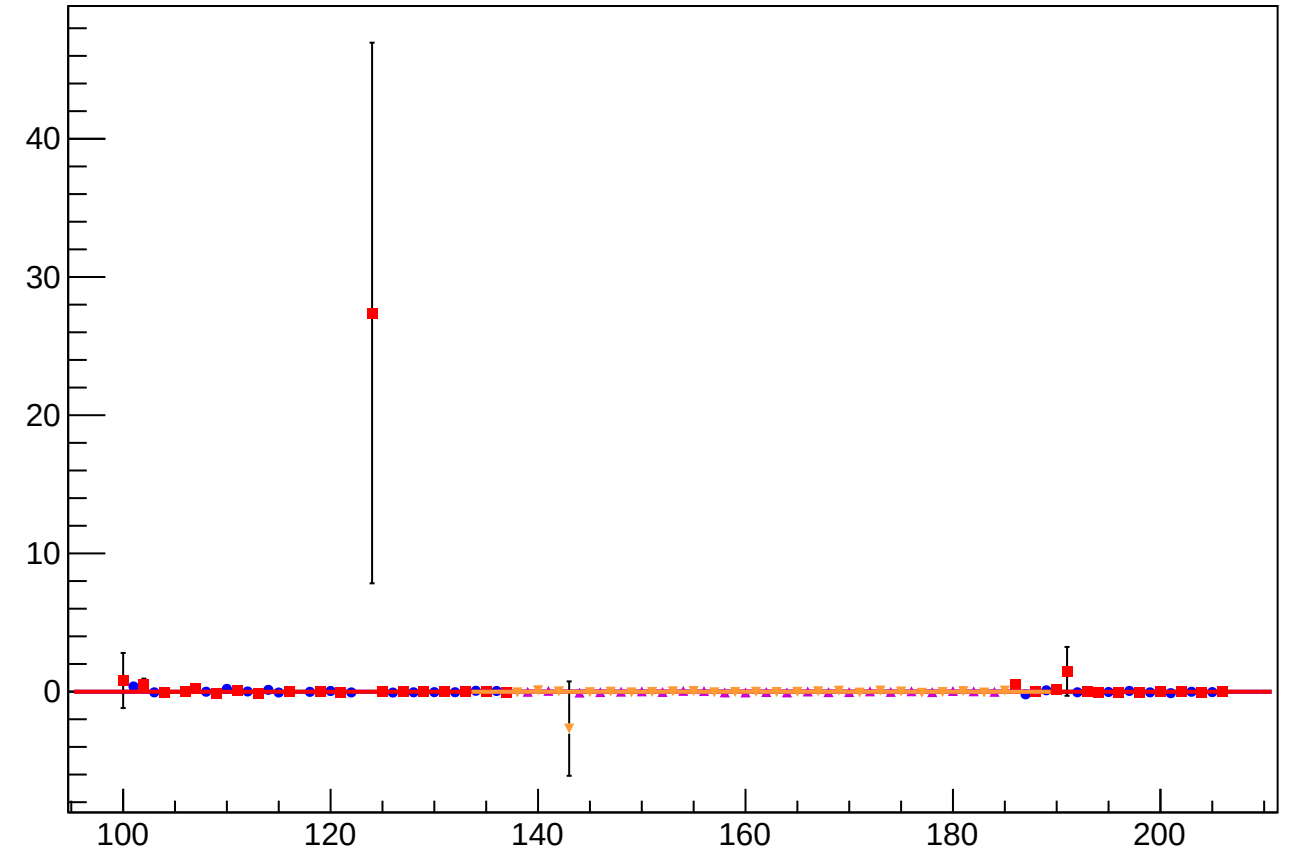
Right: 0.000+/-0.000 χ^2/NDF: 55.9/55

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:76.2/55

All: -0.000+/-0.000 χ^2/NDF: 118.1/103


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4503290.3/24
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3312418.8/30
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 8306080.9/55
In: 0.000+/-0.000 χ²/NDF:8534505.9/47
Out: 0.000+/-0.000 χ²/NDF:10006007.3/55
All: 0.000+/-0.000 χ²/NDF: 18540537.4/103



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

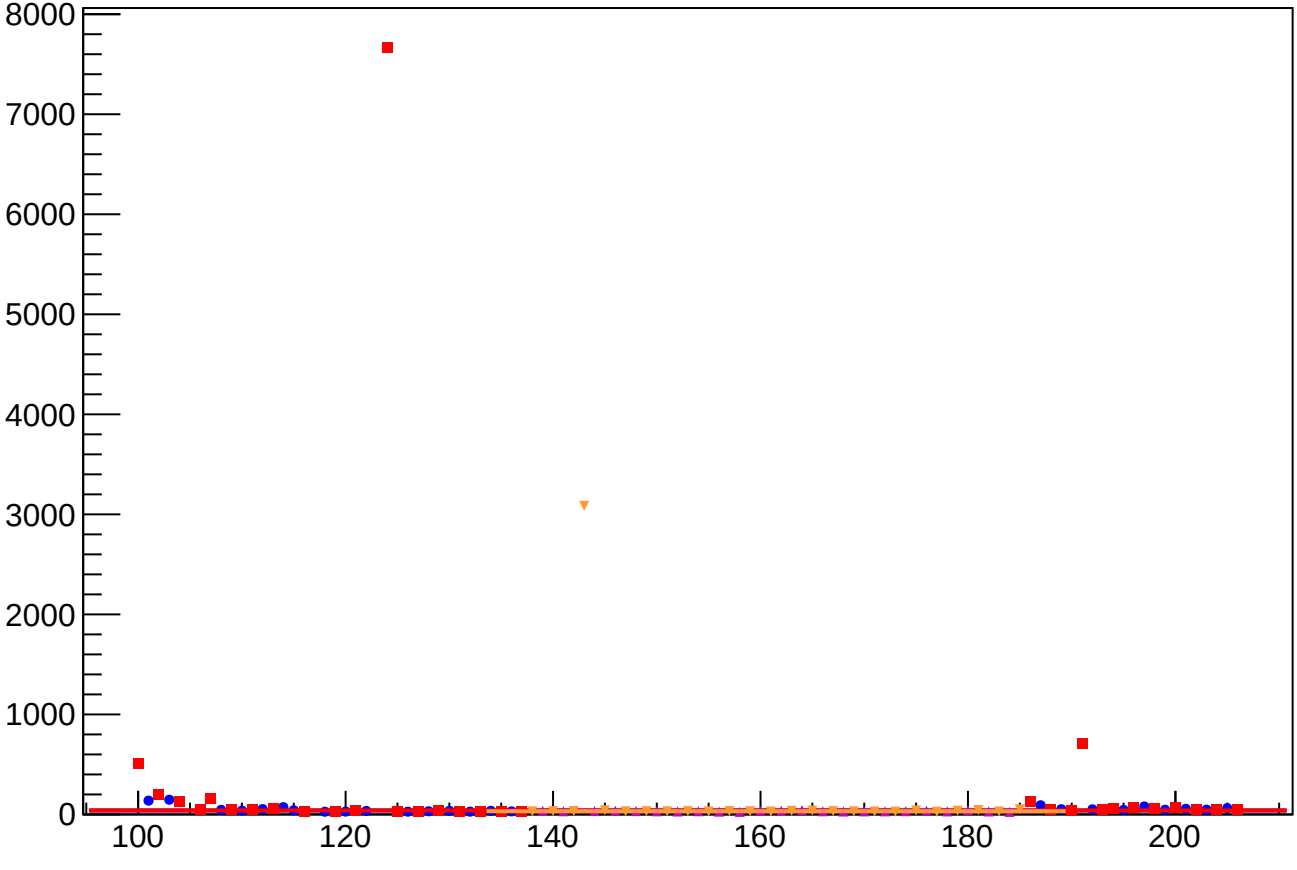
Right: -0.007+/-0.009 χ^2/NDF: 53.9/55

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 114.6/103

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

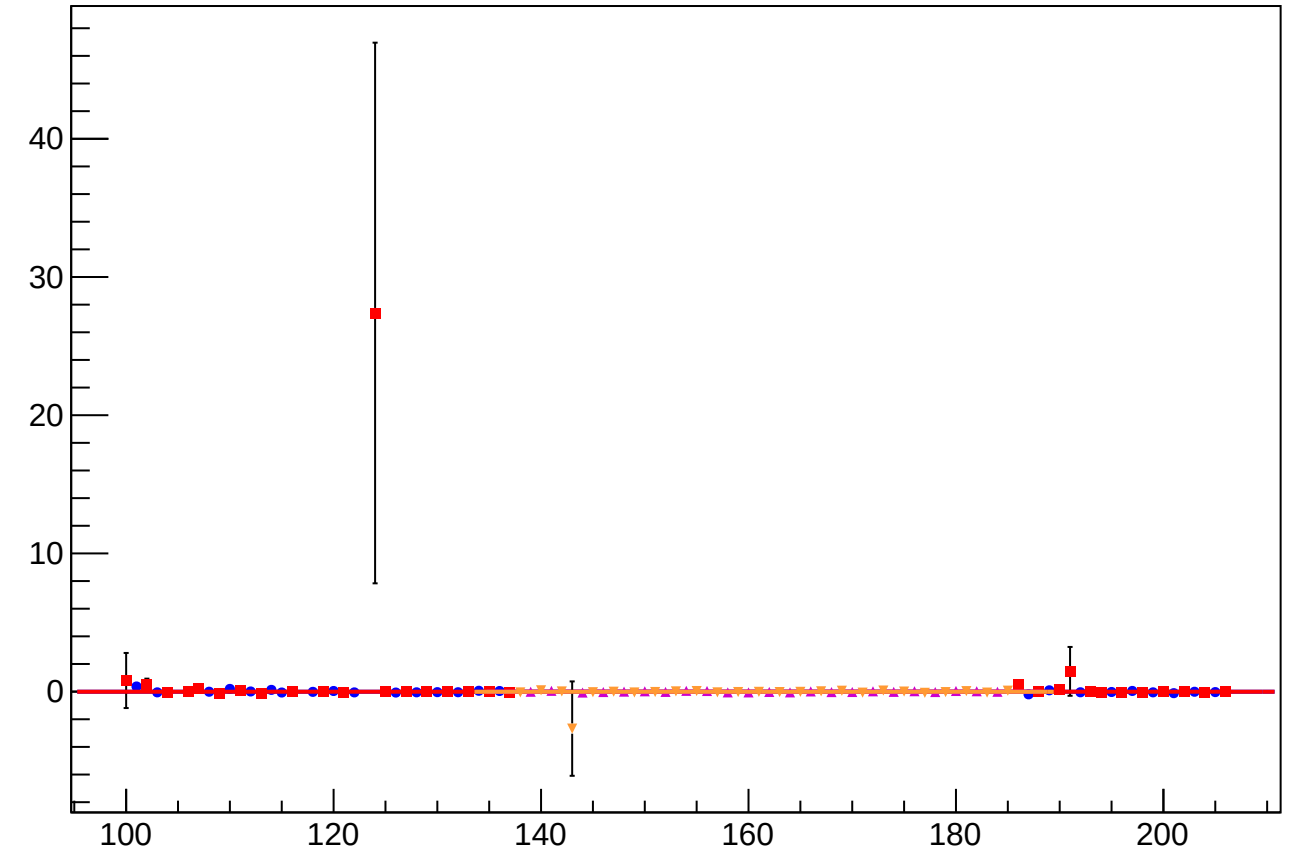
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.019+/-0.006 χ^2/NDF: 7349263.0/55

In: 34.722+/-0.005 χ^2/NDF:3991340.6/47

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 34.786+/-0.003 χ^2/NDF: 10992558.5/103



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

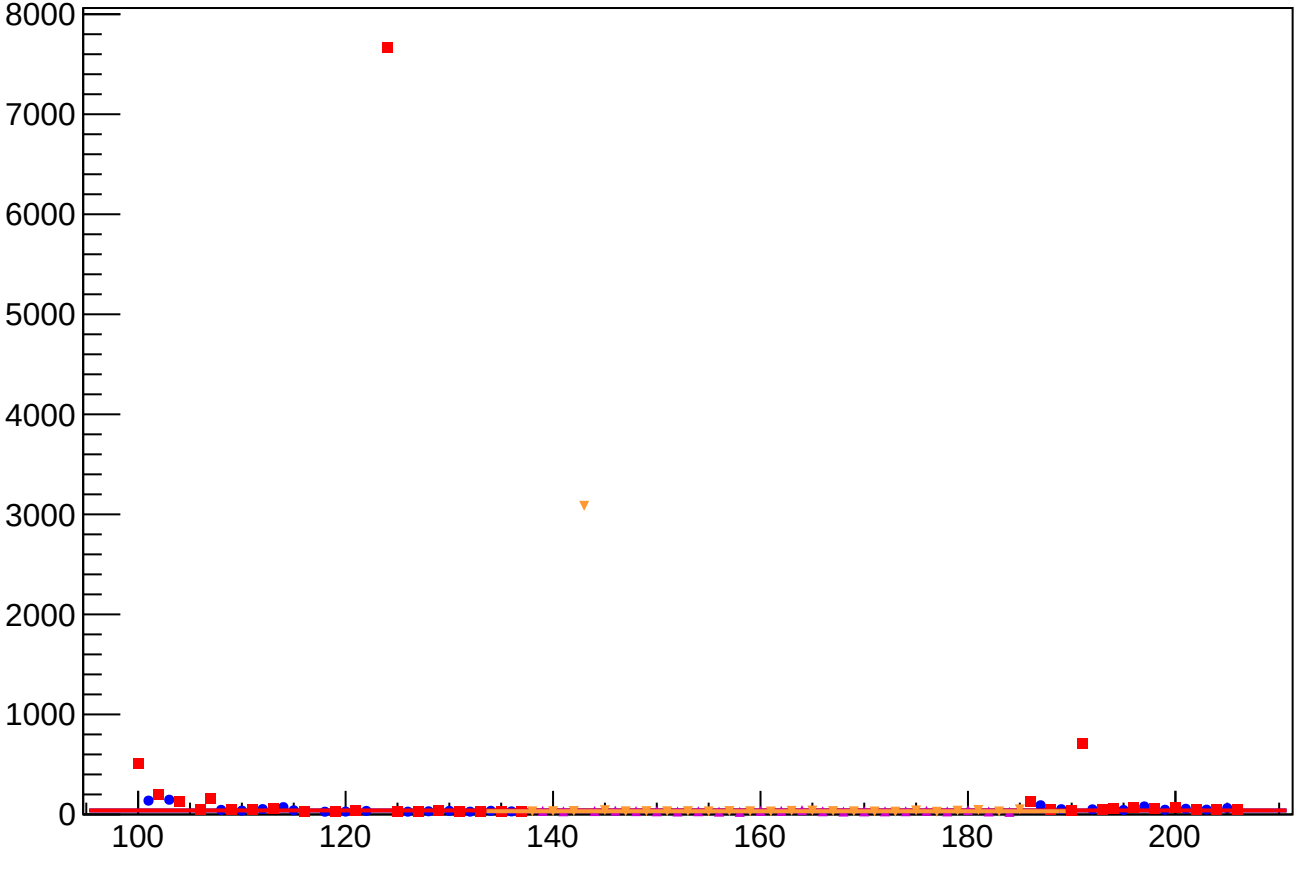
Right: -0.007+/-0.009 χ^2/NDF: 53.9/55

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 114.6/103

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

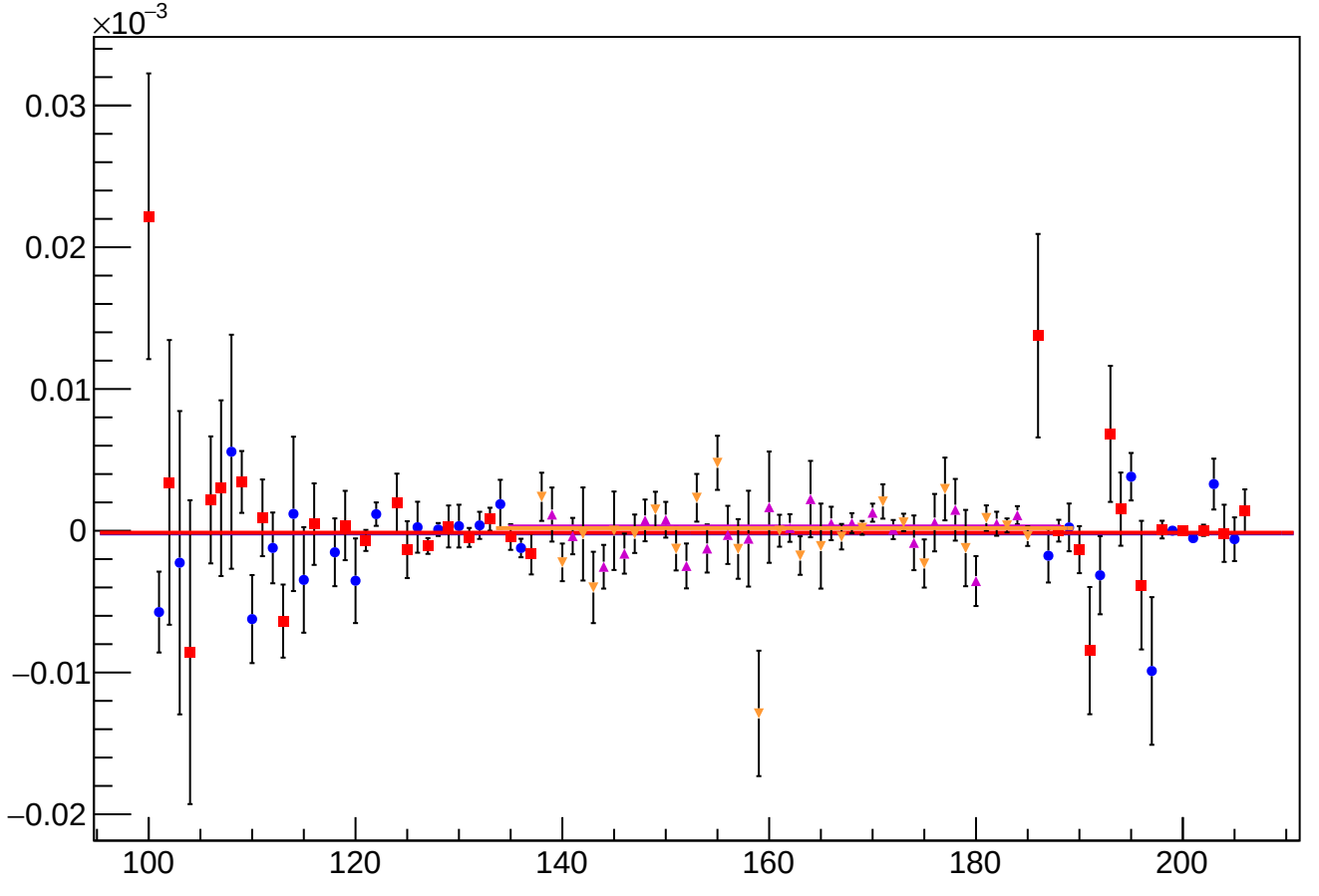
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.019+/-0.006 χ^2/NDF: 7349263.0/55

In: 34.722+/-0.005 χ^2/NDF:3991340.6/47

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 34.786+/-0.003 χ^2/NDF: 10992558.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

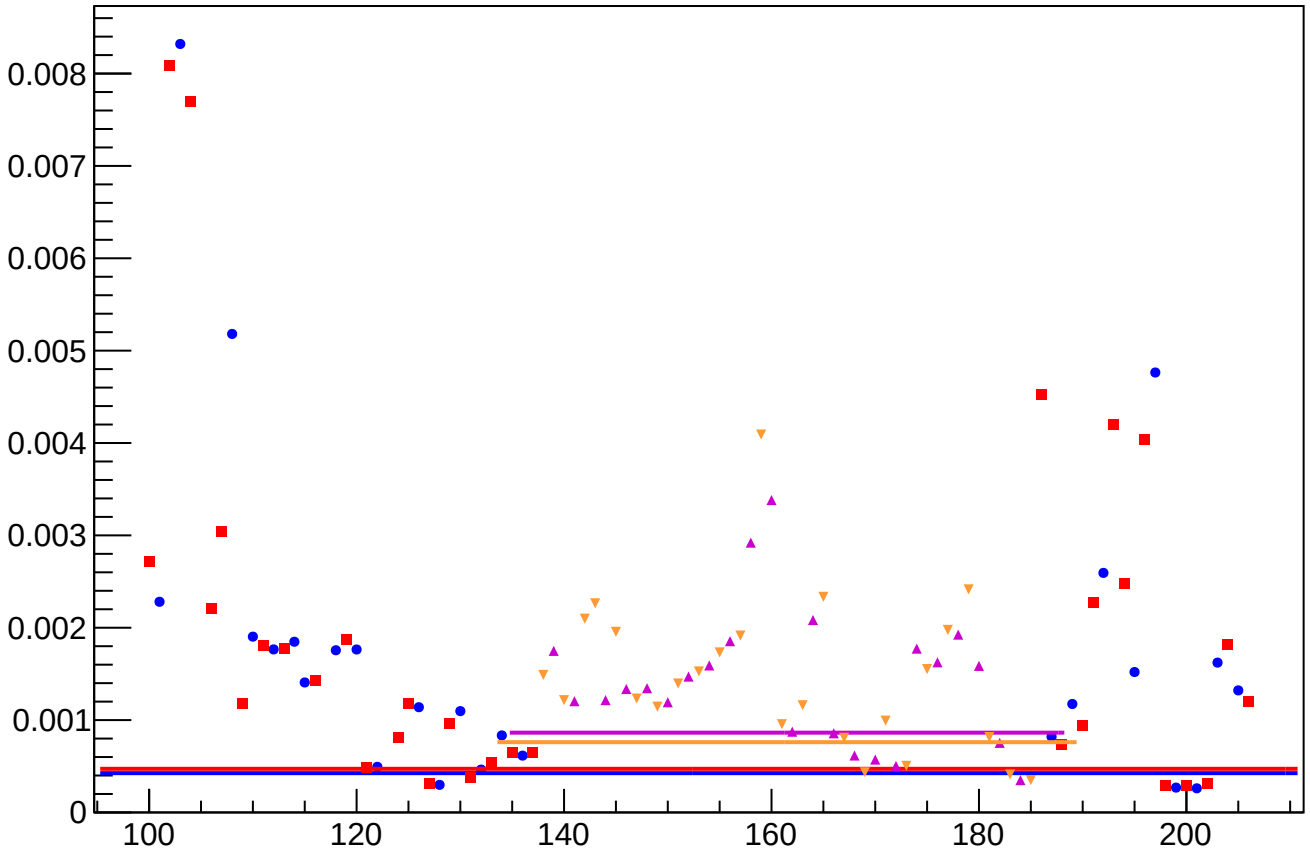
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 69.9/55

In: -0.000+/-0.000 χ^2/NDF:58.0/47

Out: -0.000+/-0.000 χ^2/NDF:73.9/55

All: -0.000+/-0.000 χ^2/NDF: 131.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 12845854.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13297521.7/30

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

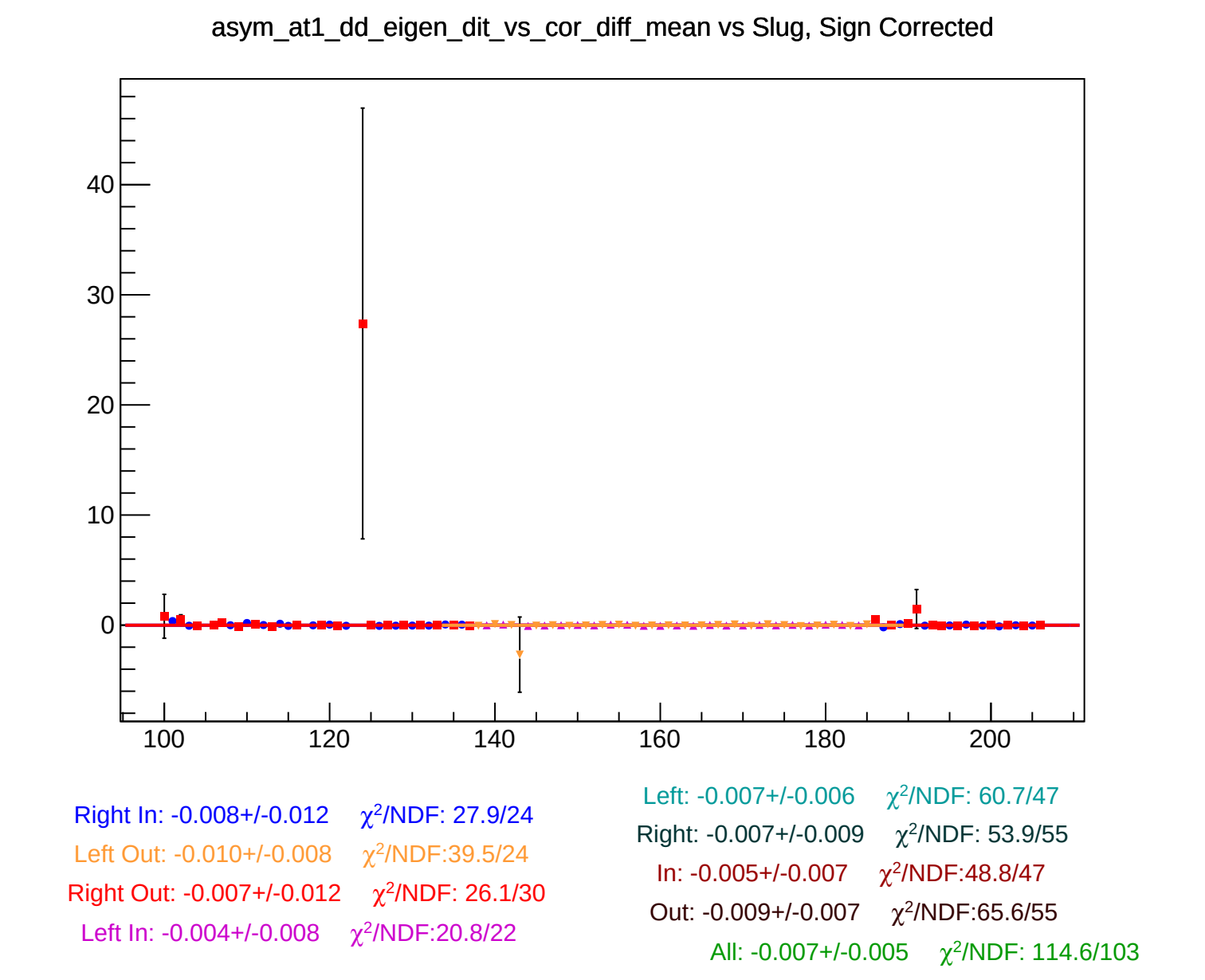
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 26224019.8/55

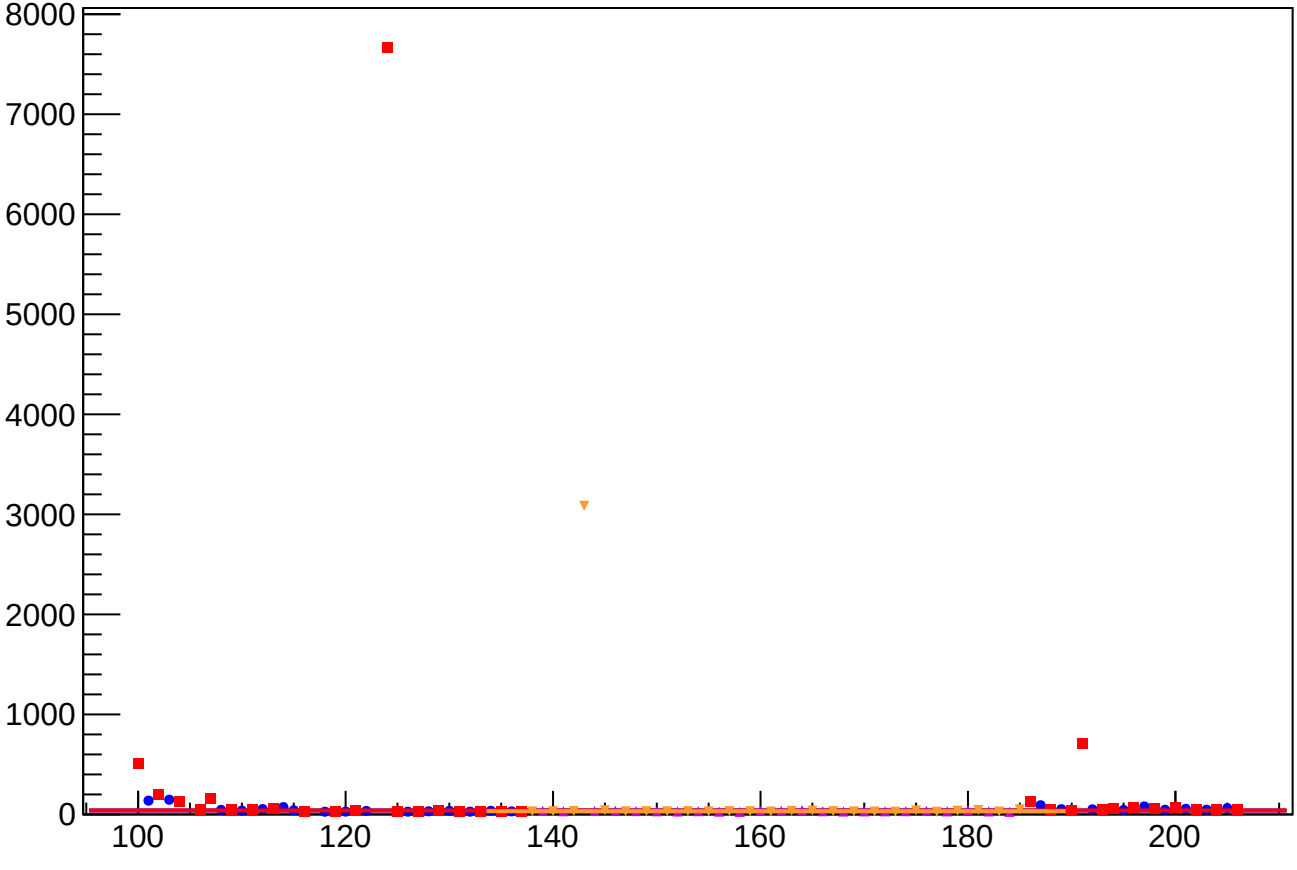
In: 0.001+/-0.000 χ^2/NDF:25863044.6/47

Out: 0.001+/-0.000 χ^2/NDF:26632725.2/55

All: 0.001+/-0.000 χ^2/NDF: 52518371.2/103


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.008+/-0.012 χ2/NDF: 27.9/24
Left Out: -0.010+/-0.008 χ2/NDF:39.5/24
Right Out: -0.007+/-0.012 χ2/NDF: 26.1/30
Left In: -0.004+/-0.008 χ2/NDF:20.8/22
Left: -0.007+/-0.006 χ2/NDF: 60.7/47
Right: -0.007+/-0.009 χ2/NDF: 53.9/55
In: -0.005+/-0.007 χ2/NDF:48.8/47
Out: -0.009+/-0.007 χ2/NDF:65.6/55
All: -0.007+/-0.005 χ2/NDF: 114.6/103

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

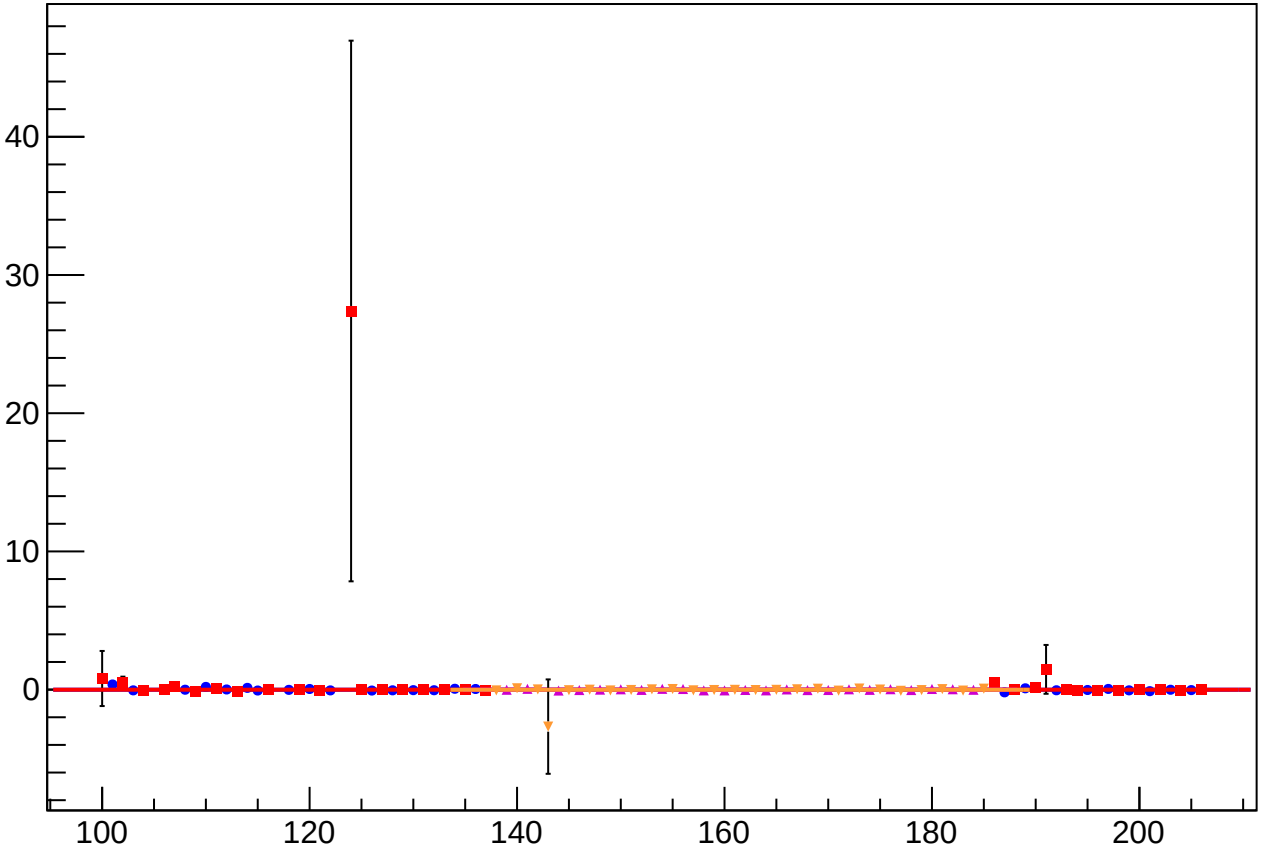
Right: 40.019+/-0.006 χ^2/NDF: 7349257.3/55

In: 34.723+/-0.005 χ^2/NDF:3991194.4/47

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 34.786+/-0.003 χ^2/NDF: 10992485.1/103

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

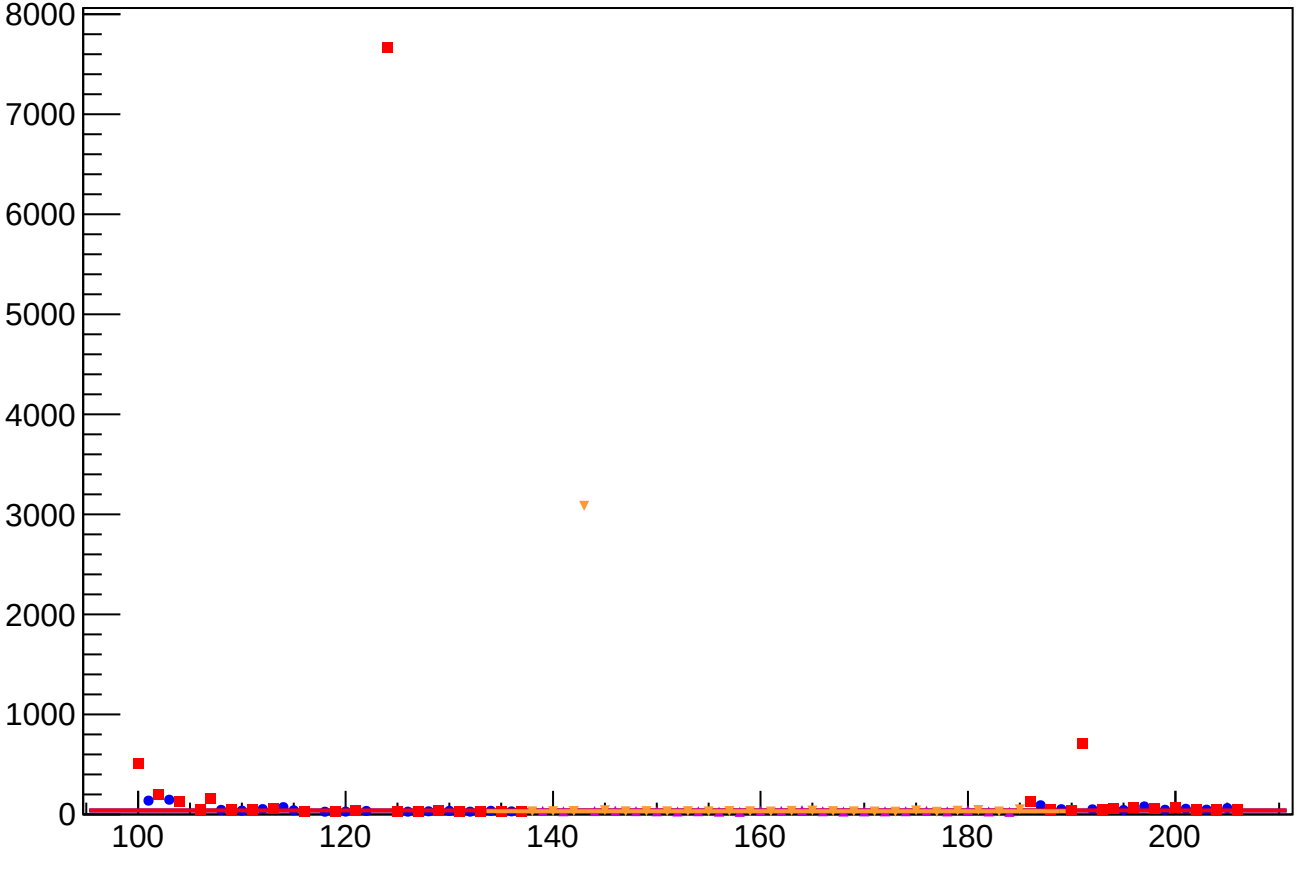
Right: -0.007+/-0.009 χ^2/NDF: 53.9/55

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 114.6/103

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

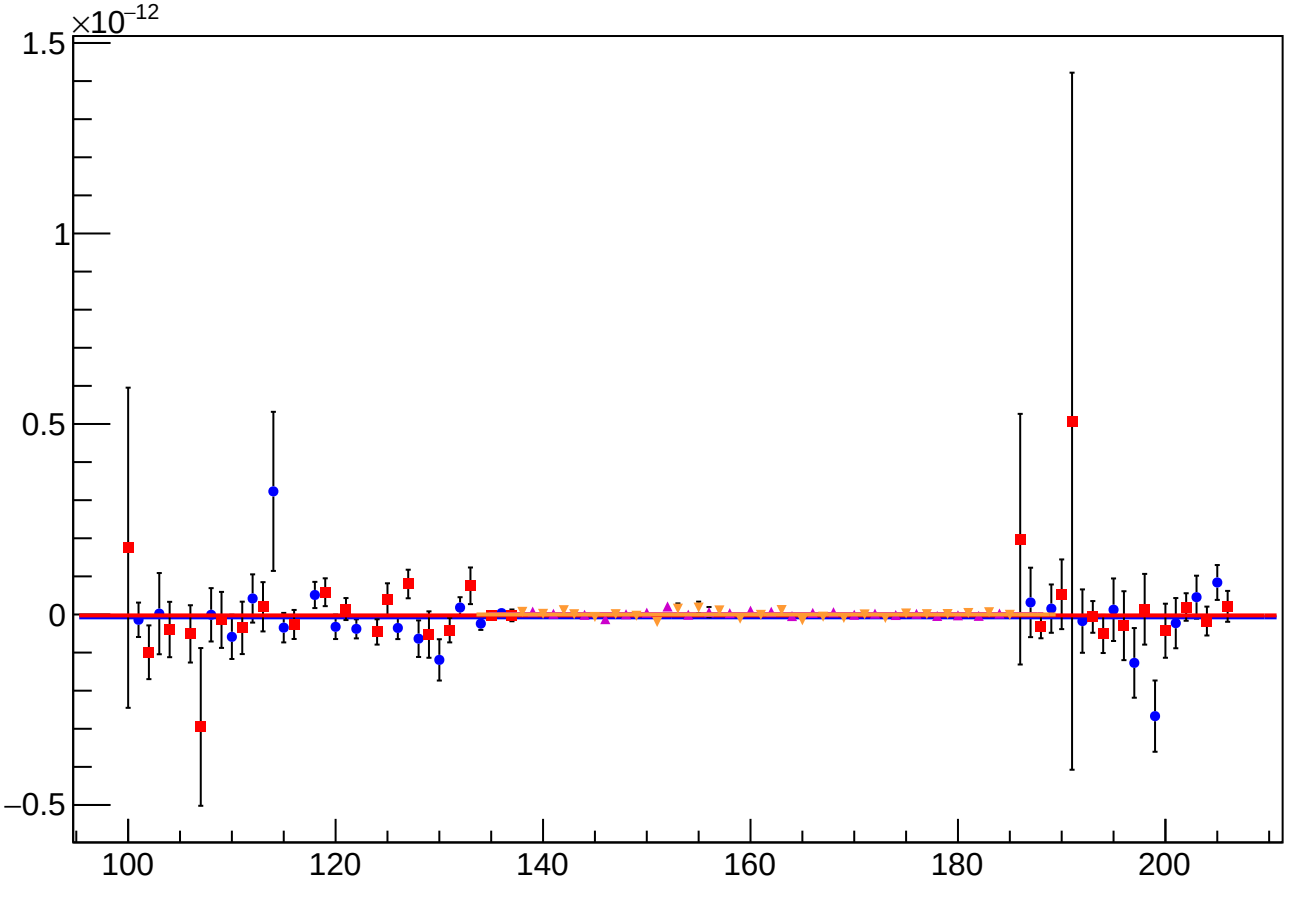
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.019+/-0.006 χ^2/NDF: 7349257.3/55

In: 34.723+/-0.005 χ^2/NDF:3991194.4/47

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 34.786+/-0.003 χ^2/NDF: 10992485.1/103



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

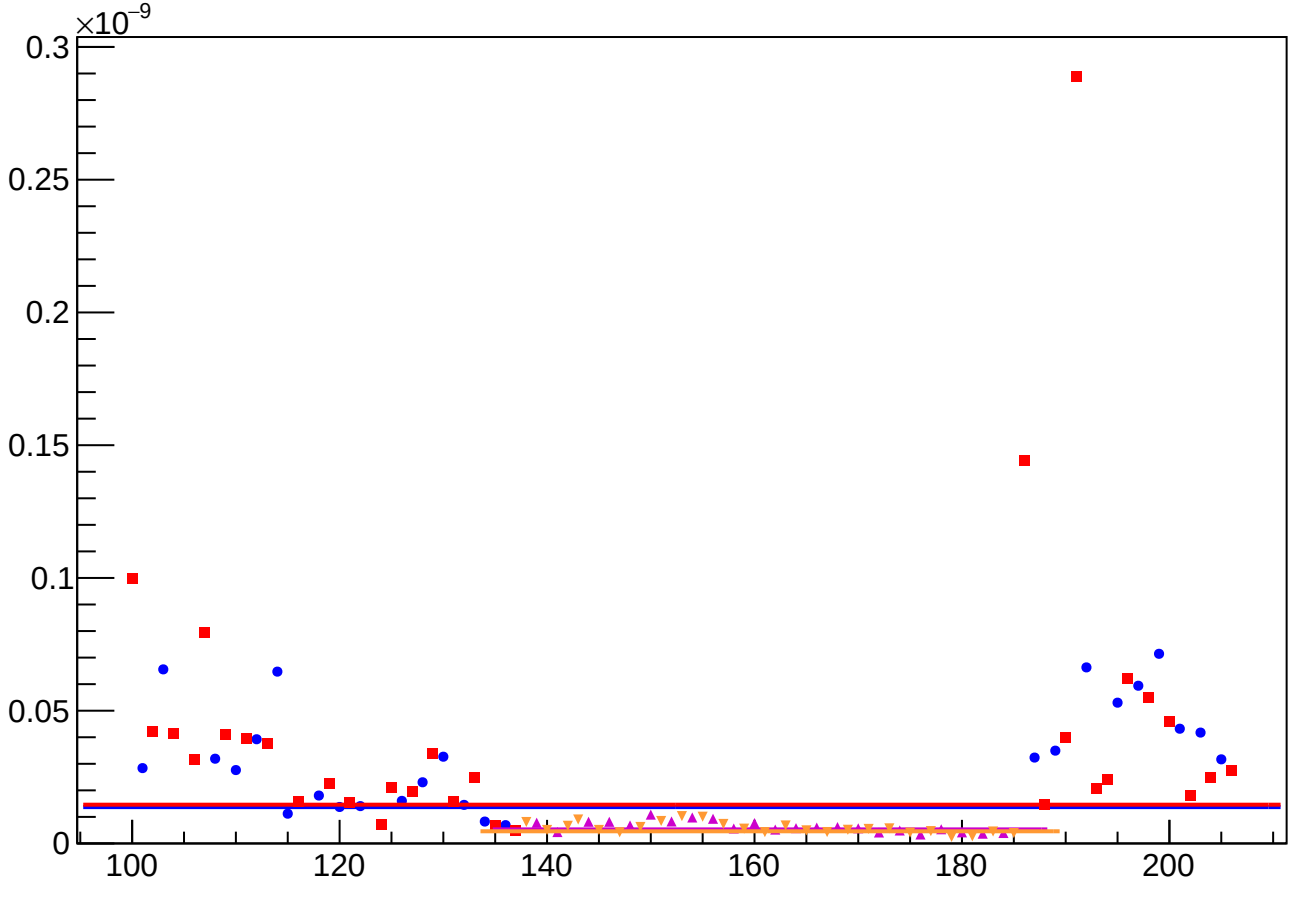
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 59.5/55

In: 0.000+/-0.000 χ^2/NDF:45.0/47

Out: -0.000+/-0.000 χ^2/NDF:46.4/55

All: 0.000+/-0.000 χ^2/NDF: 91.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 7118922.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6426769.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

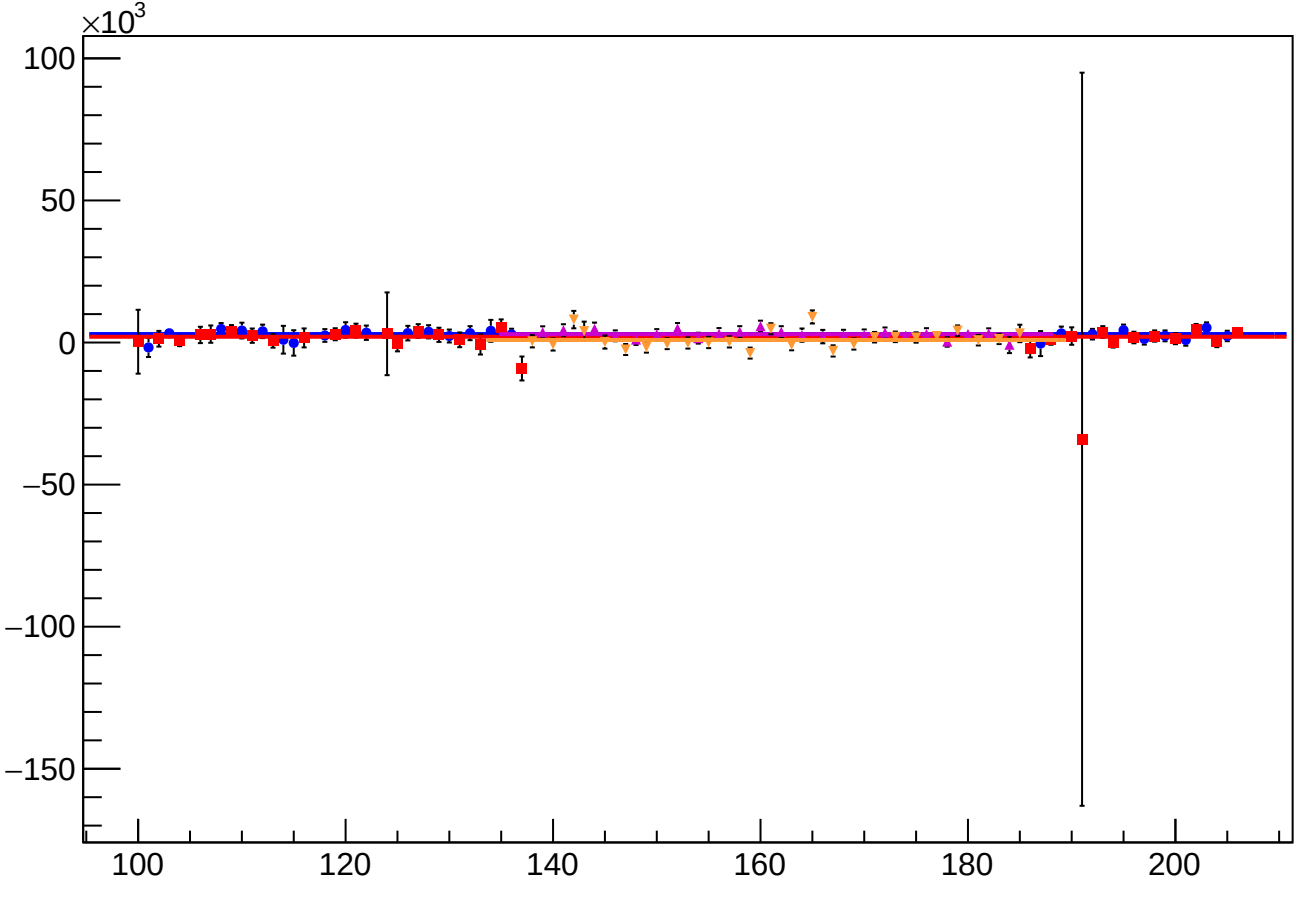
Right: 0.000+/-0.000 χ^2/NDF: 13566446.9/55

In: 0.000+/-0.000 χ^2/NDF:12816044.6/47

Out: 0.000+/-0.000 χ^2/NDF:13763263.4/55

All: 0.000+/-0.000 χ^2/NDF: 26853408.2/103

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2980.330+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.756+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

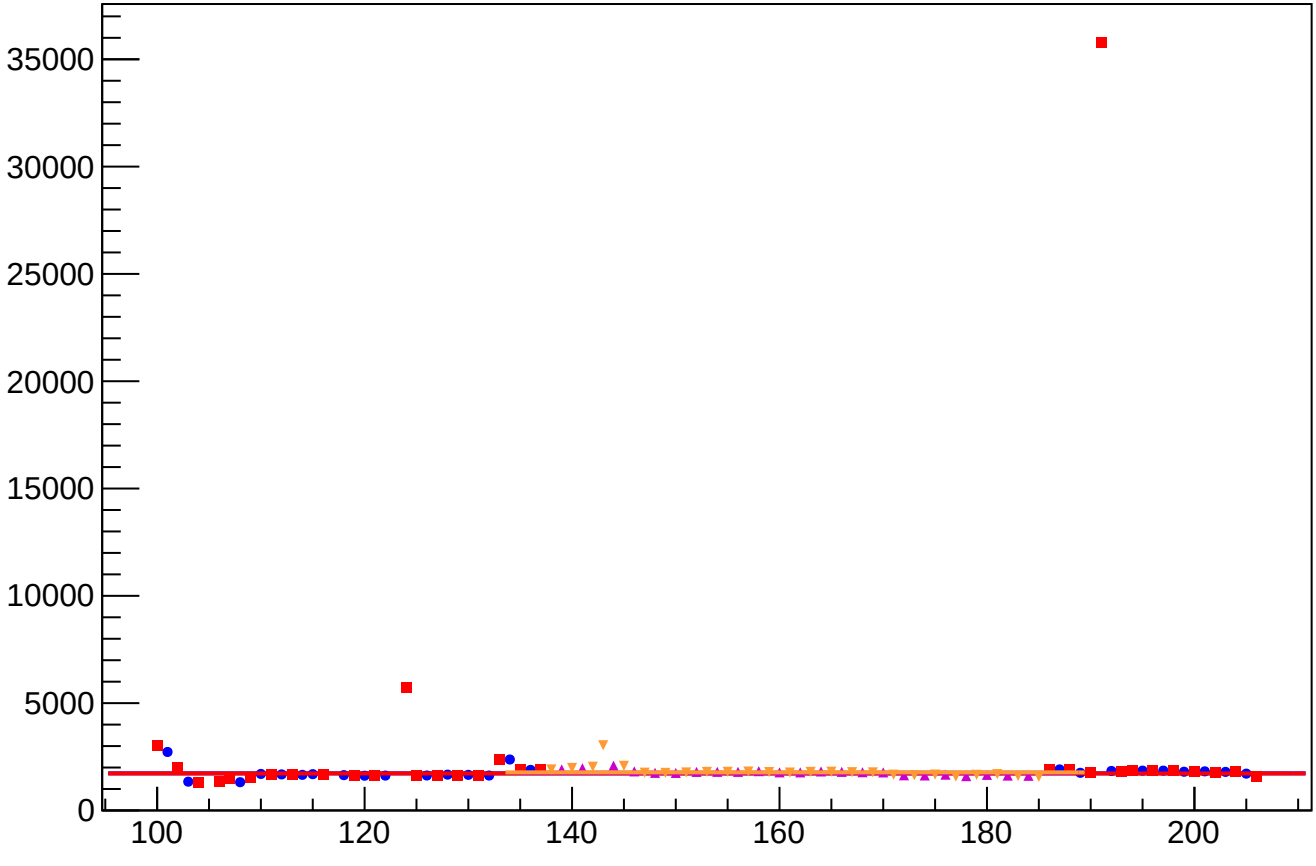
Right: 2474.098+/-317.512 χ^2/NDF: 32.9/55

In: 2959.593+/-308.307 χ^2/NDF:19.3/47

Out: 1425.399+/-296.584 χ^2/NDF:70.8/55

All: 2162.774+/-213.741 χ^2/NDF: 103.0/103

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1728.712+/-0.329 χ^2/NDF: 474345.7/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692577.8/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

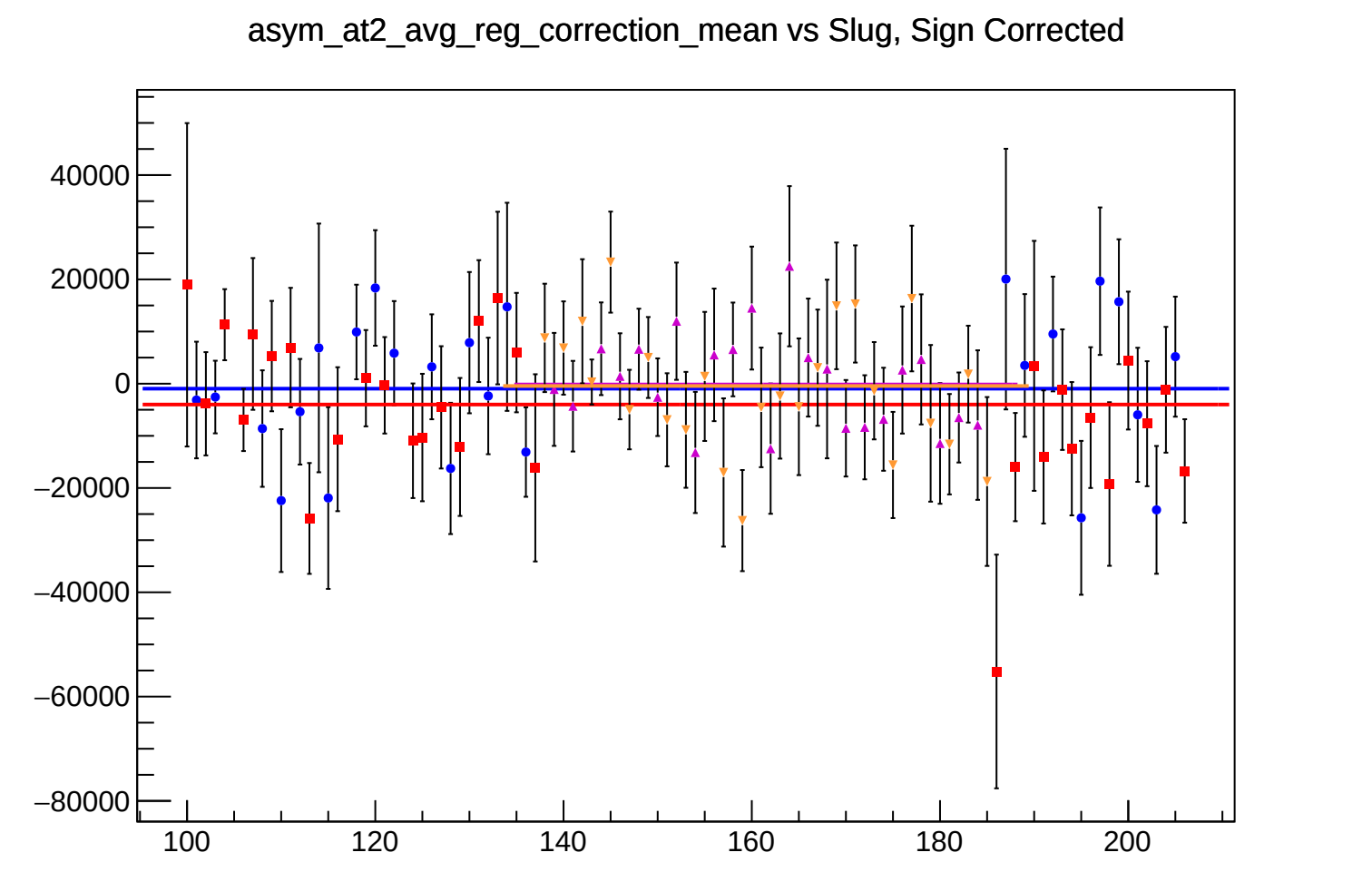
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1726.273+/-0.225 χ^2/NDF: 1167026.8/55

In: 1746.836+/-0.218 χ^2/NDF:626047.4/47

Out: 1751.197+/-0.210 χ^2/NDF:1153952.5/55

All: 1749.101+/-0.151 χ^2/NDF: 1780207.7/10



Right In: -956.125+/-2325.684 χ^2/NDF: 27.1/24

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3997.540+/-2035.358 χ^2/NDF: 29.9/30

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

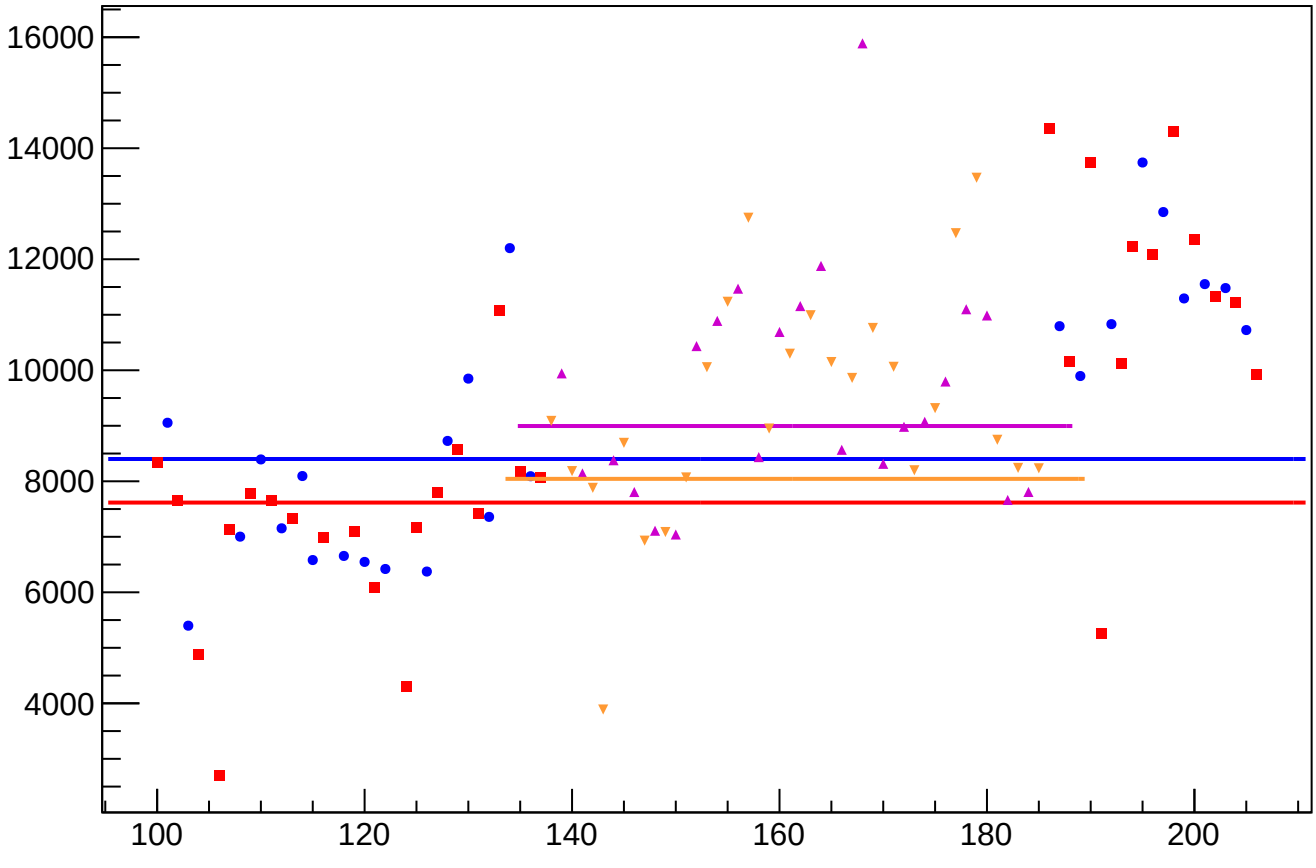
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2678.414+/-1531.638 χ^2/NDF: 57.9/55

In: -523.102+/-1576.156 χ^2/NDF:40.9/47

Out: -2122.035+/-1398.800 χ^2/NDF:61.0/55

All: -1417.554+/-1046.210 χ^2/NDF: 102.5/10



Right In: 8401.563+/-1.645 χ^2/NDF: 1913885.5/24

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7616.548+/-1.439 χ^2/NDF: 4210515.4/30

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

Left: 8468.911+/-1.013 χ^2/NDF: 4788197.5/47

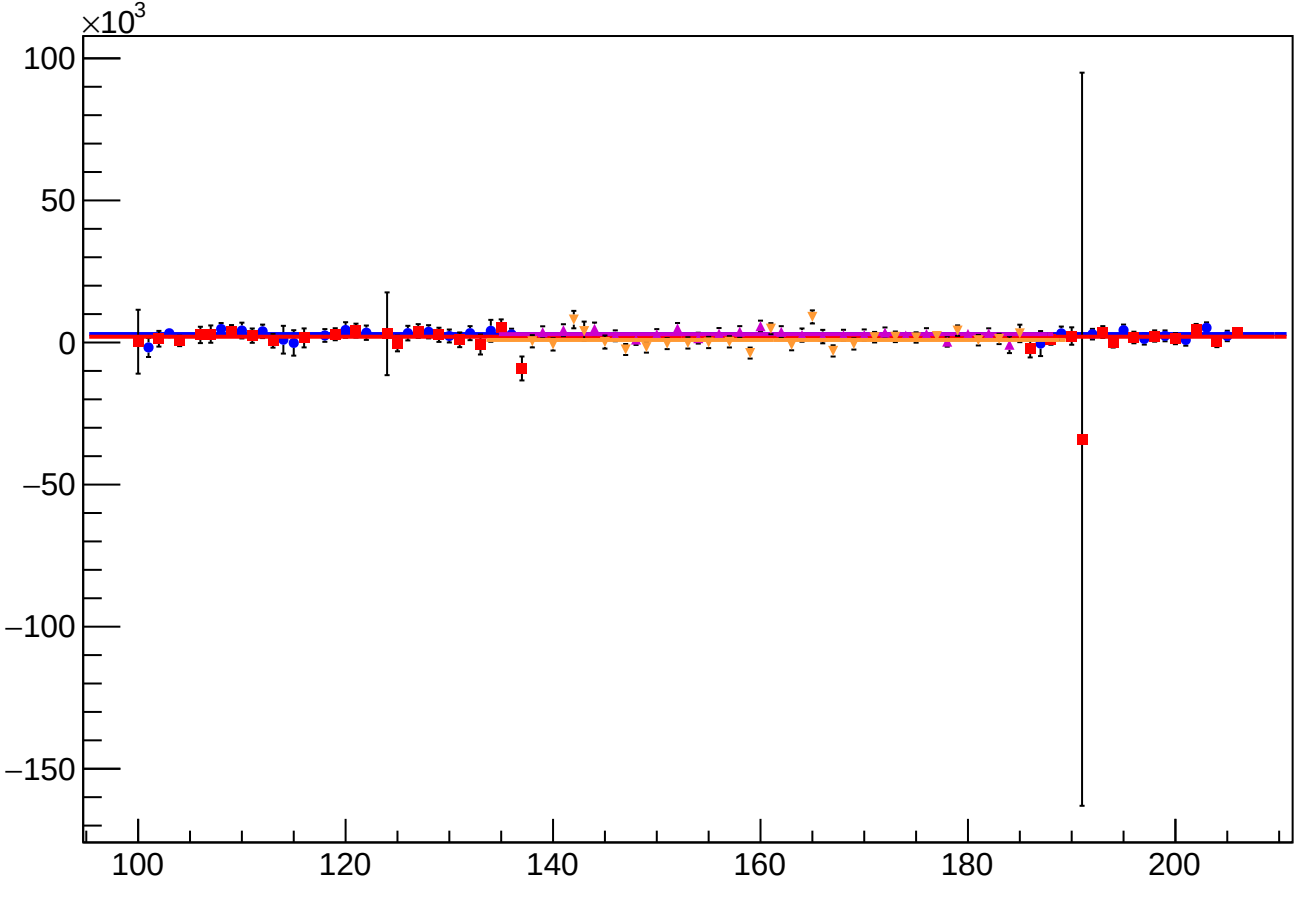
Right: 7957.025+/-1.083 χ^2/NDF: 6253438.2/55

In: 8722.772+/-1.115 χ^2/NDF:3191577.5/47

Out: 7842.021+/-0.989 χ^2/NDF:7619865.8/55

All: 8230.075+/-0.740 χ^2/NDF: 11160796.9/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.674+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

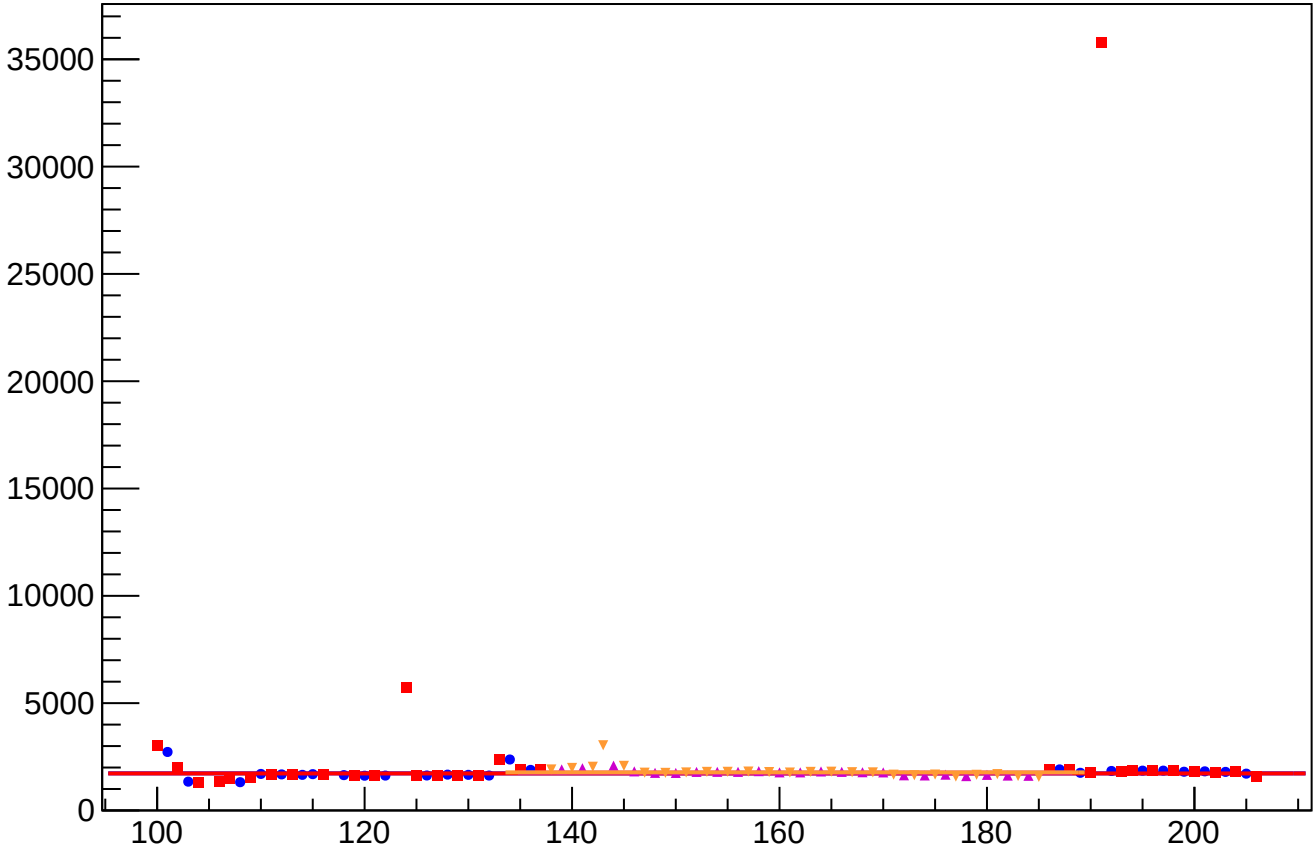
Right: 2474.076+/-317.512 χ^2/NDF: 32.9/55

In: 2959.551+/-308.307 χ^2/NDF:19.3/47

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2162.712+/-213.741 χ^2/NDF: 103.0/103

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

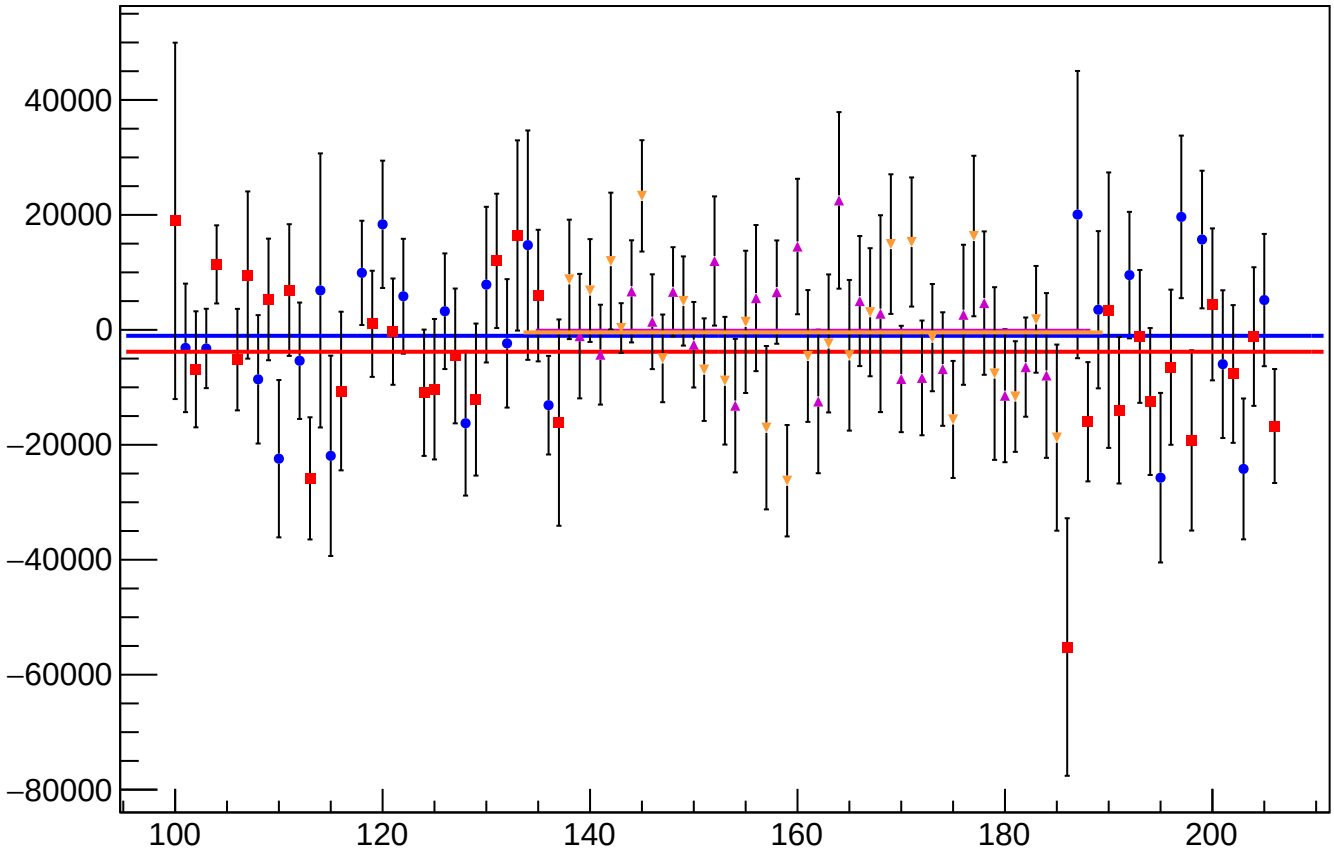
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1726.273+/-0.225 χ^2/NDF: 1167027.4/55

In: 1746.836+/-0.218 χ^2/NDF:626047.9/47

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1749.101+/-0.151 χ^2/NDF: 1780208.4/10



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3811.600+/-2104.180 χ^2/NDF: 29.8/30

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

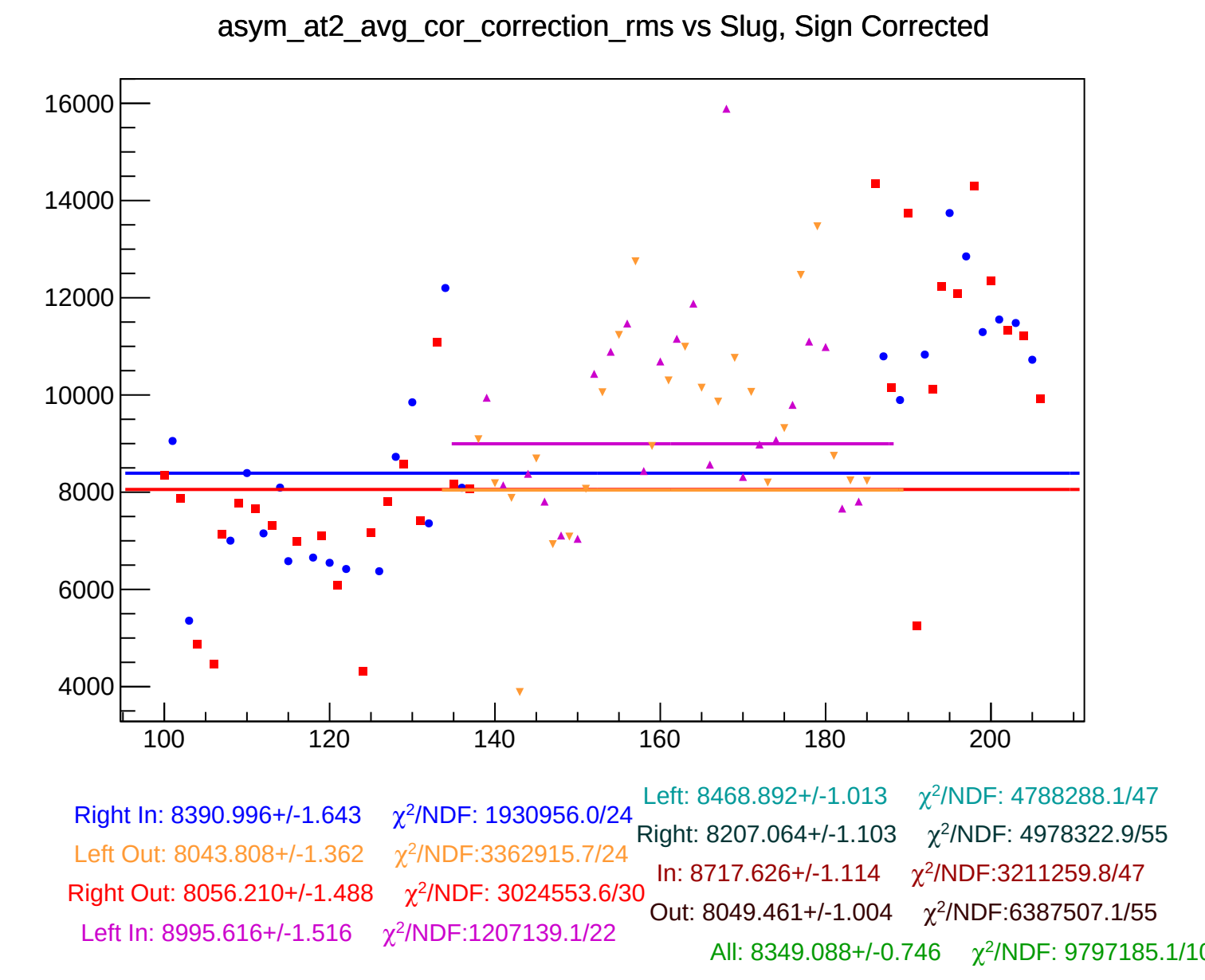
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

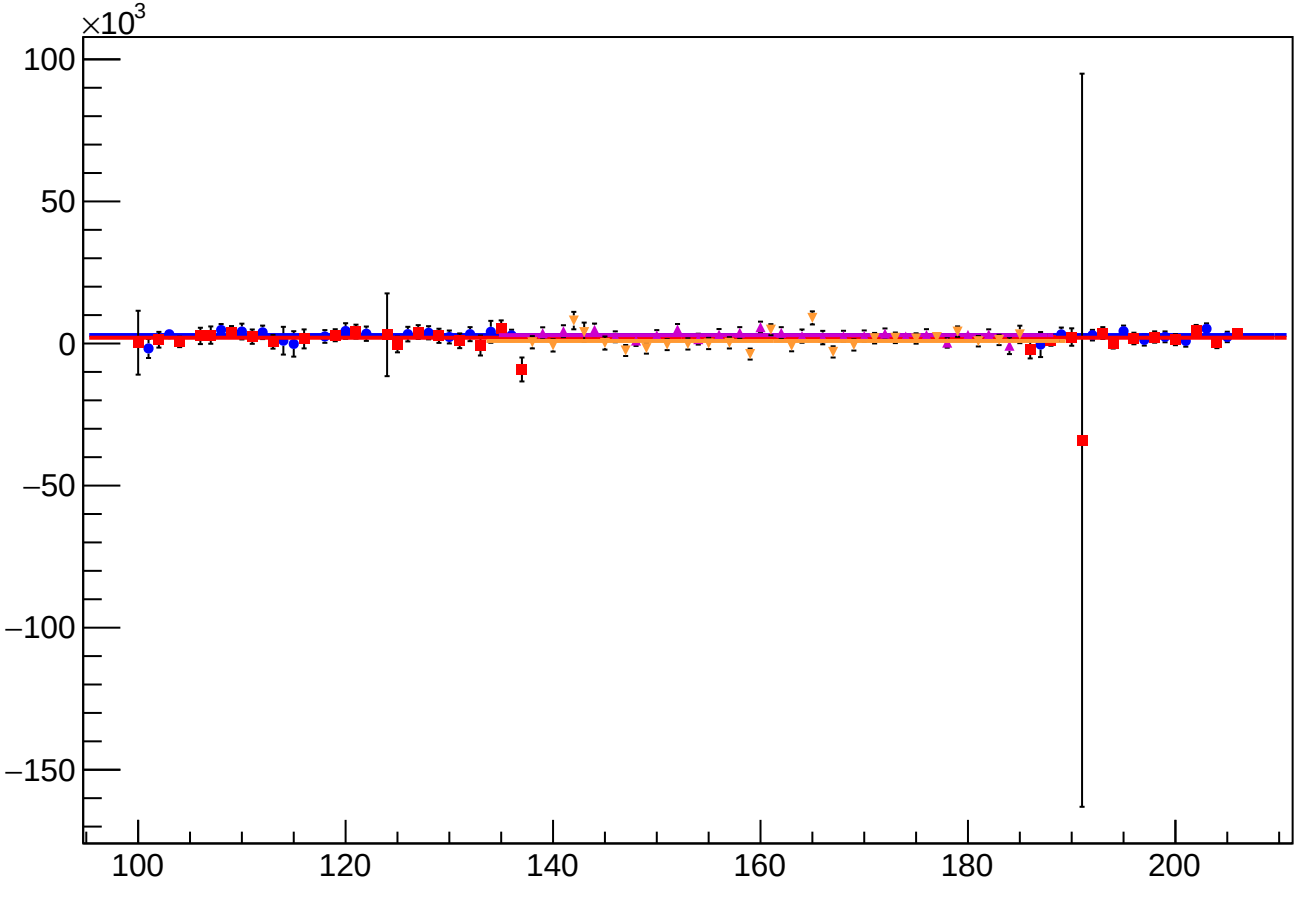
Right: -2560.986+/-1559.654 χ^2/NDF: 57.7/55

In: -560.259+/-1575.460 χ^2/NDF:41.0/47

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1342.528+/-1055.008 χ^2/NDF: 102.1/10


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8390.996+/-1.643 χ²/NDF: 1930956.0/24
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8056.210+/-1.488 χ²/NDF: 3024553.6/30
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8207.064+/-1.103 χ²/NDF: 4978322.9/55
In: 8717.626+/-1.114 χ²/NDF:3211259.8/47
Out: 8049.461+/-1.004 χ²/NDF:6387507.1/55
All: 8349.088+/-0.746 χ²/NDF: 9797185.1/10



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.674+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

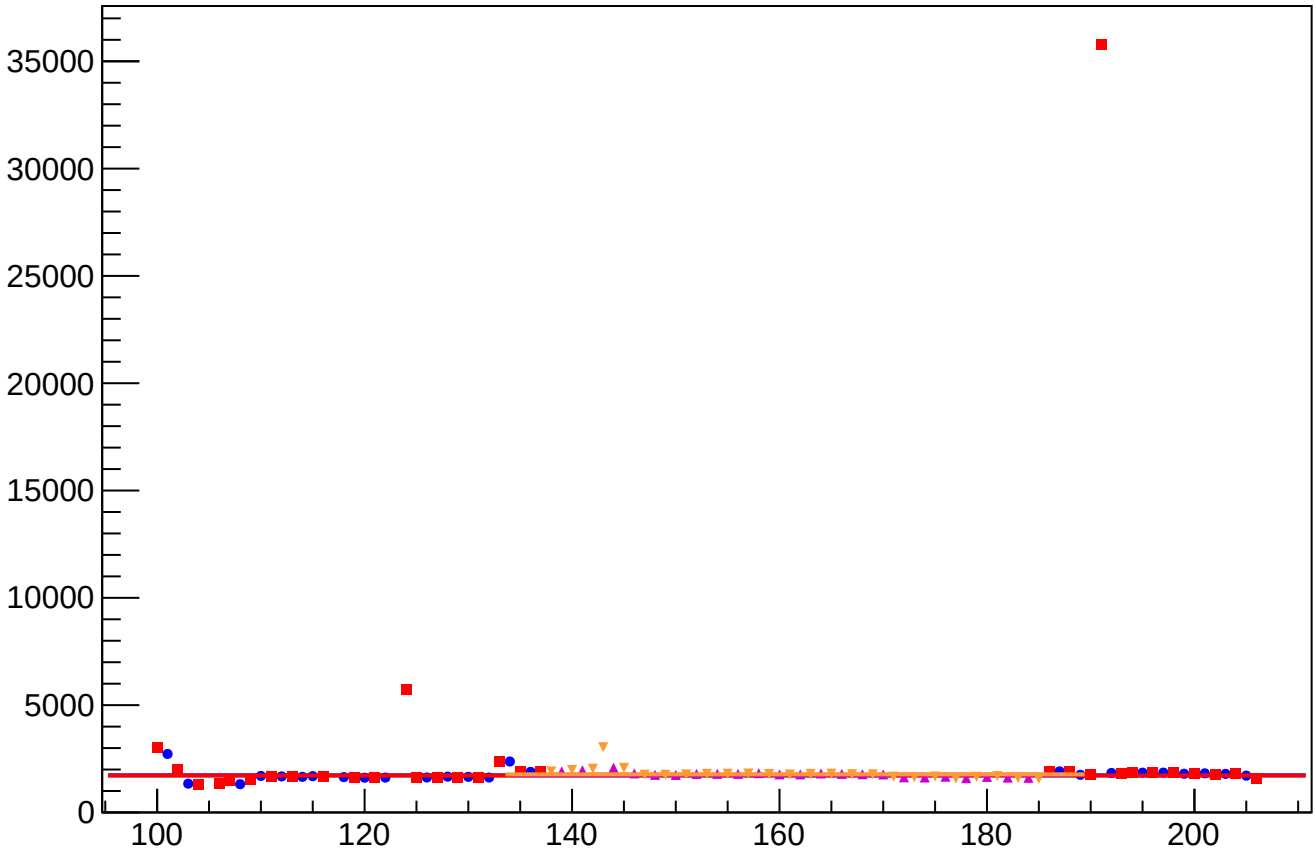
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2474.076+/-317.512 χ^2/NDF: 32.9/55

In: 2959.551+/-308.307 χ^2/NDF:19.3/47

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2162.712+/-213.741 χ^2/NDF: 103.0/103



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

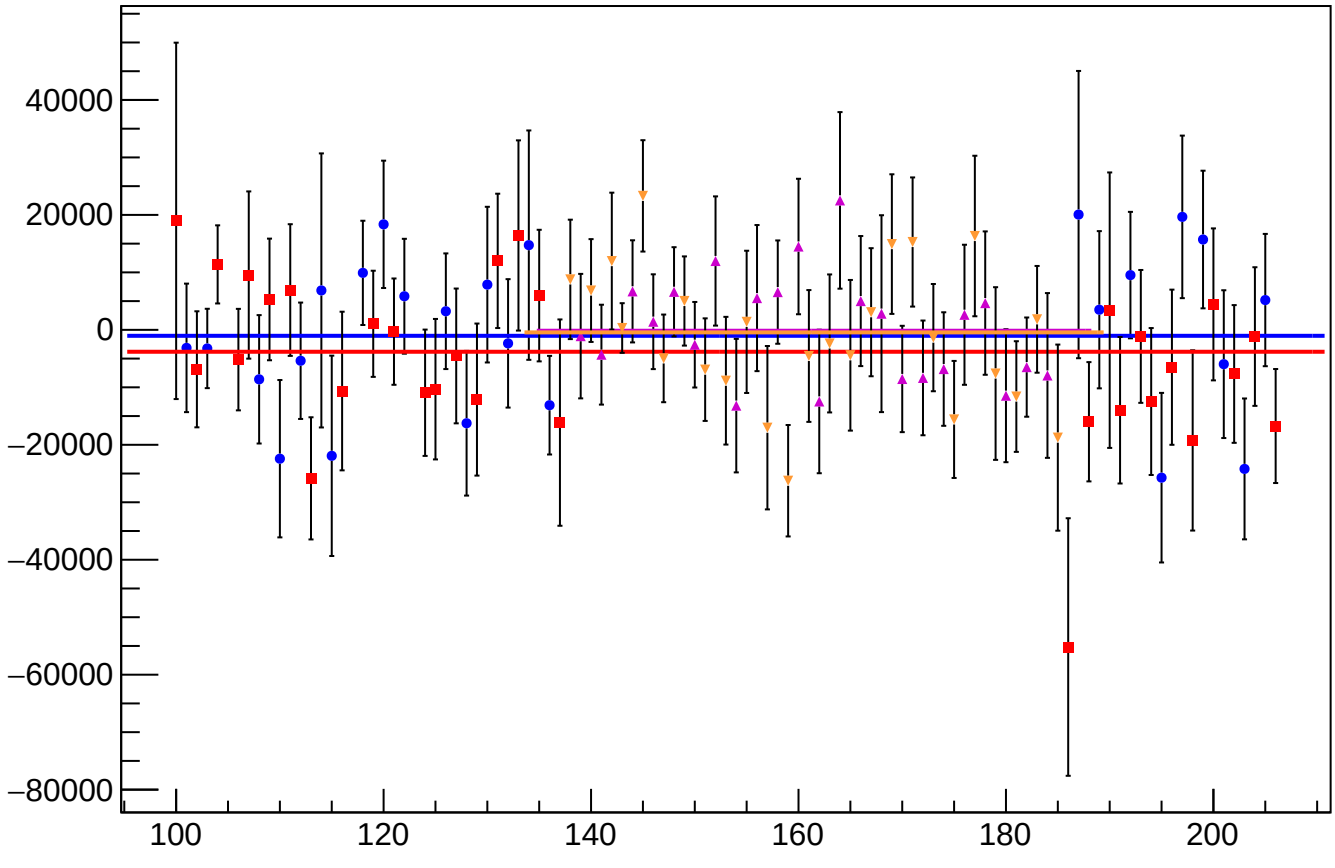
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1726.273+/-0.225 χ^2/NDF: 1167027.4/55

In: 1746.836+/-0.218 χ^2/NDF:626047.9/47

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1749.101+/-0.151 χ^2/NDF: 1780208.4/10



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3811.600+/-2104.180 χ^2/NDF: 29.8/30

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

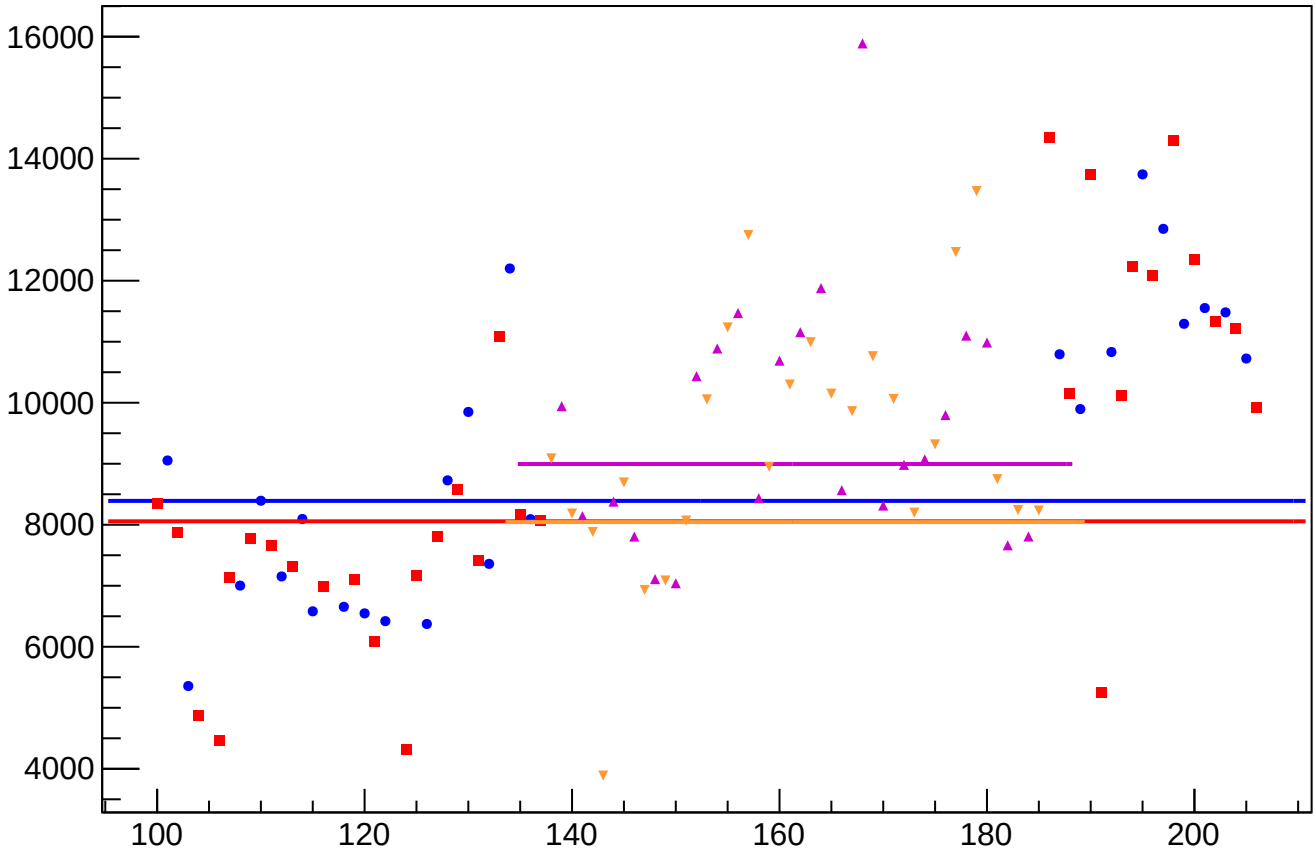
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2560.986+/-1559.654 χ^2/NDF: 57.7/55

In: -560.259+/-1575.460 χ^2/NDF:41.0/47

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1342.528+/-1055.008 χ^2/NDF: 102.1/10



Right In: 8390.996+/-1.643 χ^2/NDF: 1930956.0/24

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

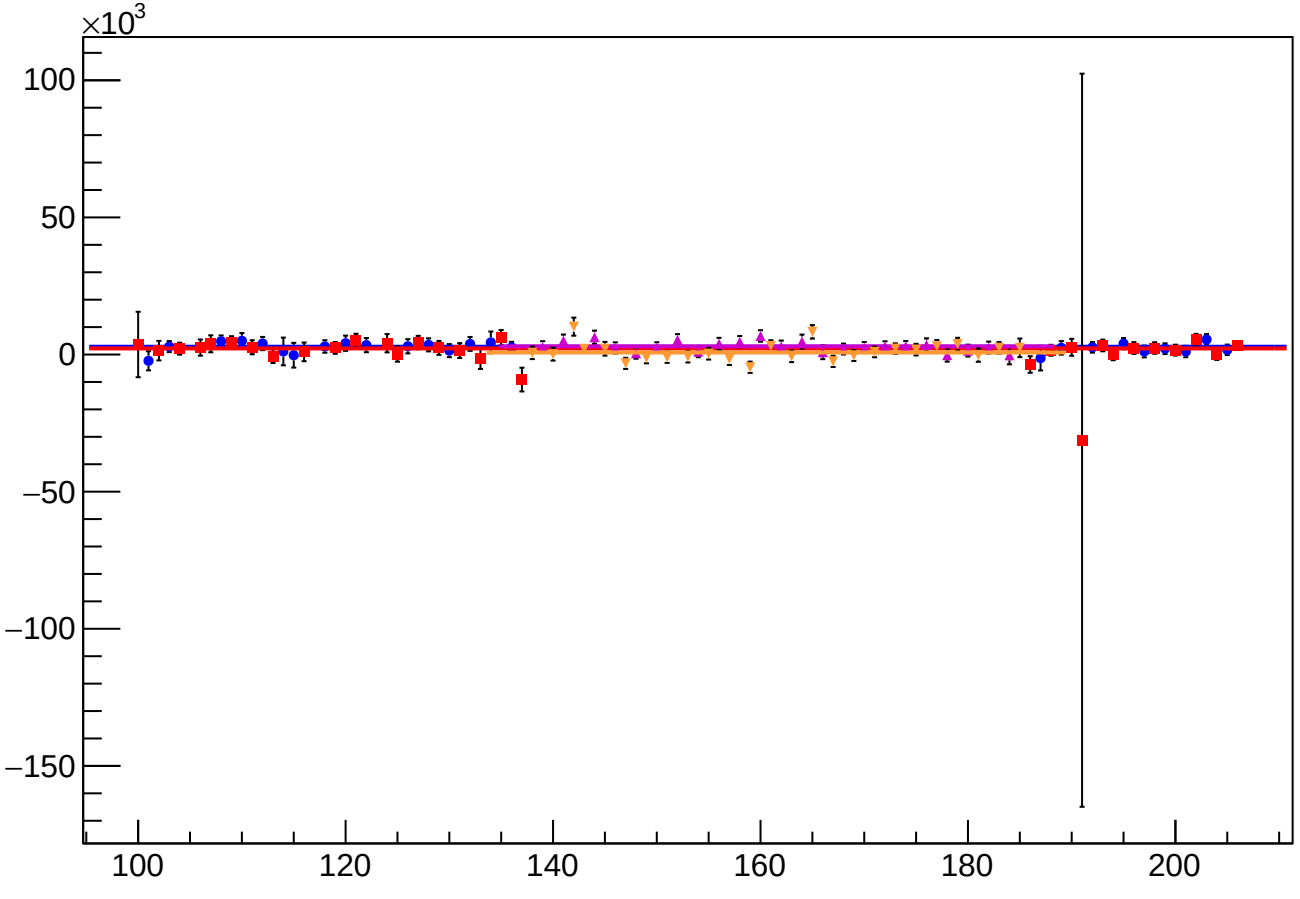
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8207.064+/-1.103 χ^2/NDF: 4978322.9/55

In: 8717.626+/-1.114 χ^2/NDF:3211259.8/47

Out: 8049.461+/-1.004 χ^2/NDF:6387507.1/55

All: 8349.088+/-0.746 χ^2/NDF: 9797185.1/10



Right In: 2842.452+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2224.222+/-448.148 χ^2/NDF: 26.3/30

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

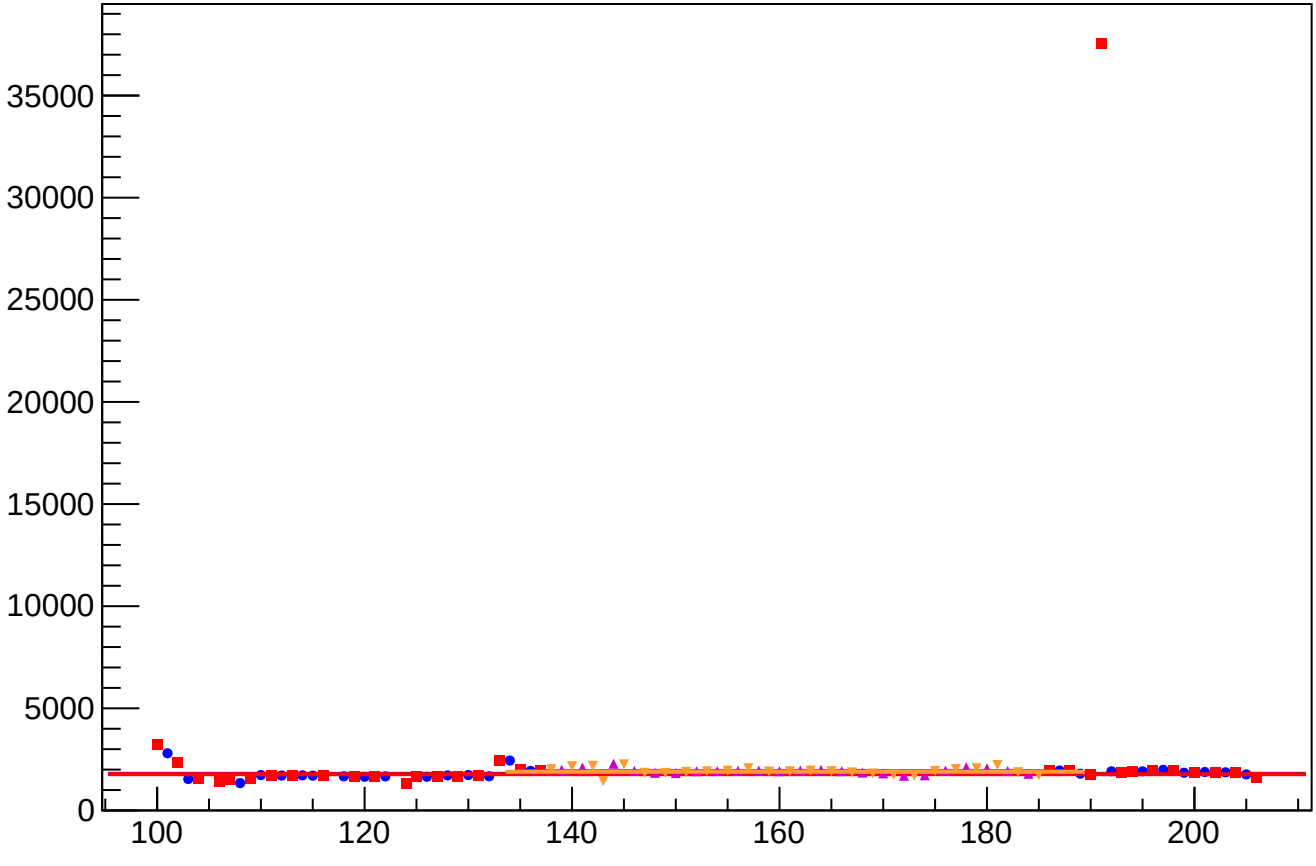
Right: 2510.978+/-328.149 χ^2/NDF: 37.4/55

In: 2915.454+/-329.004 χ^2/NDF:25.9/47

Out: 1455.892+/-311.349 χ^2/NDF:73.6/55

All: 2145.462+/-226.141 χ^2/NDF: 109.9/103

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1792.963+/-0.341 χ^2/NDF: 429425.2/24

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562376.9/30

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

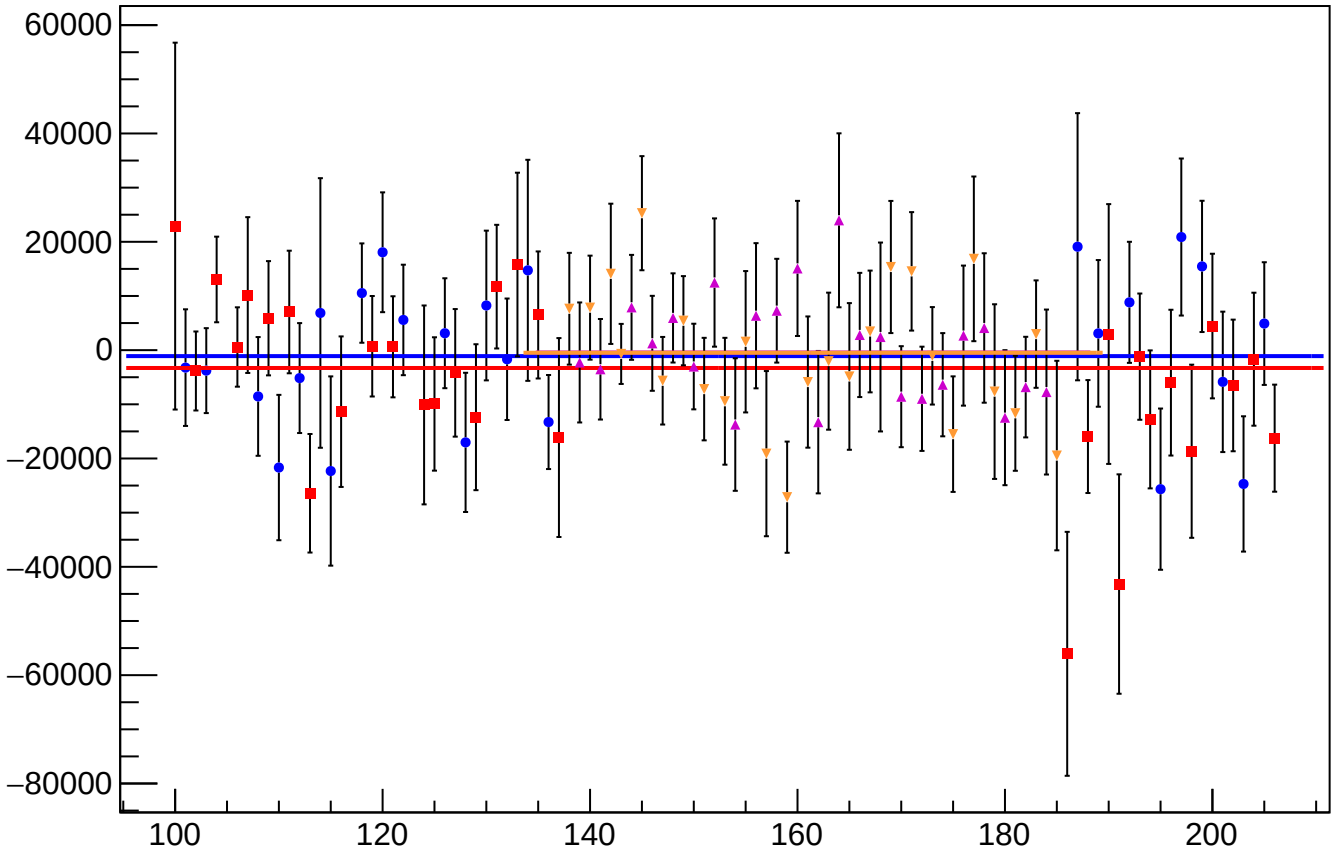
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1783.220+/-0.232 χ^2/NDF: 993326.9/55

In: 1862.390+/-0.233 χ^2/NDF:658202.0/47

Out: 1836.806+/-0.220 χ^2/NDF:1005025.7/55

All: 1848.892+/-0.160 χ^2/NDF: 1669608.2/10



Right In: -1101.701+/-2363.200 χ^2/NDF: 26.9/24

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -3293.662+/-2113.514 χ^2/NDF: 32.5/30

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

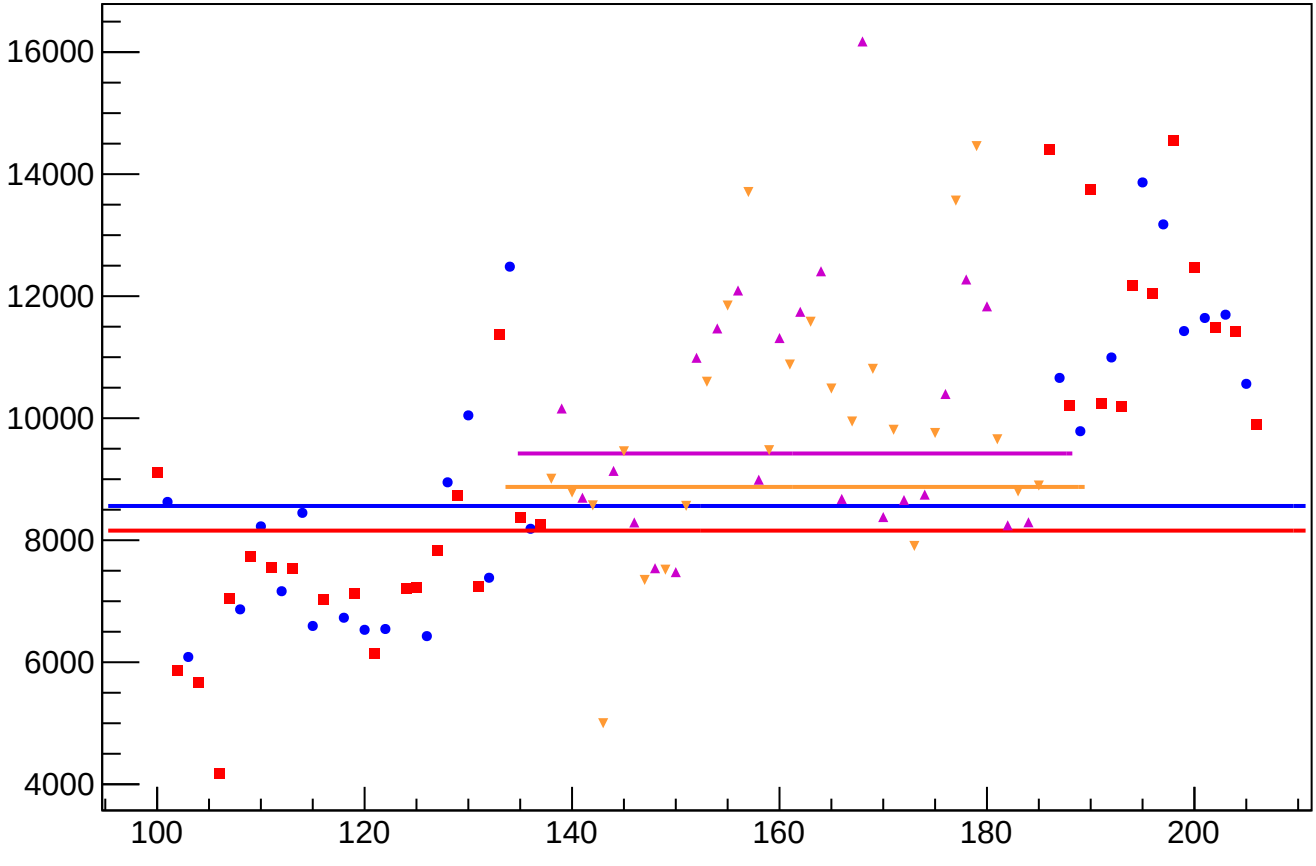
Right: -2319.558+/-1575.385 χ^2/NDF: 59.9/55

In: -752.190+/-1627.706 χ^2/NDF:40.5/47

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1362.060+/-1097.374 χ^2/NDF: 103.0/10

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8561.331+/-1.671 χ^2/NDF: 1746131.3/24

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8157.543+/-1.494 χ^2/NDF: 2925484.2/30

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

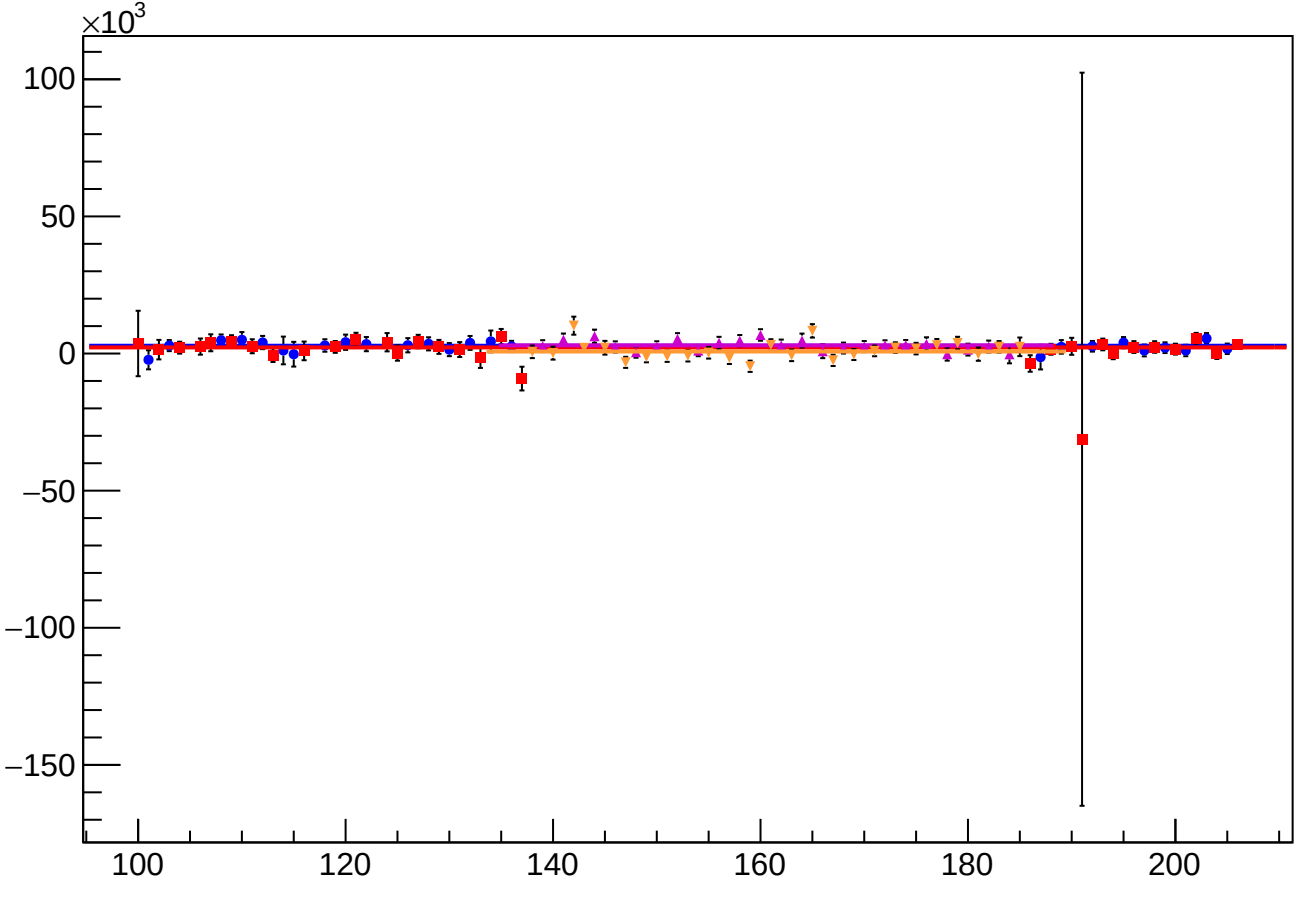
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8336.986+/-1.114 χ^2/NDF: 4704056.9/55

In: 9013.539+/-1.151 χ^2/NDF:3090313.1/47

Out: 8519.704+/-1.051 χ^2/NDF:5244842.5/55

All: 8744.164+/-0.776 χ^2/NDF: 8435574.8/10



Right In: 2842.448+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2224.220+/-448.148 χ^2/NDF: 26.3/30

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

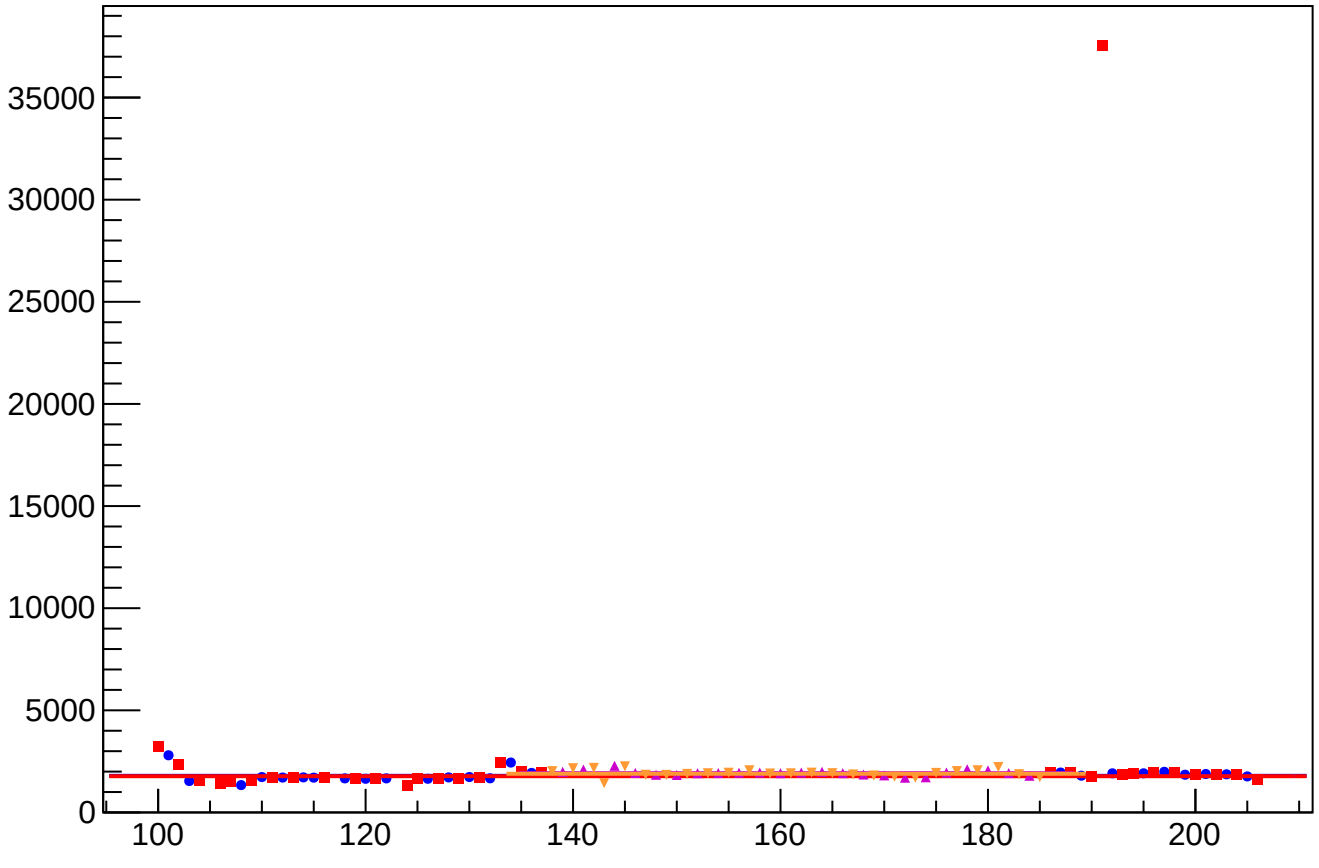
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2510.976+/-328.149 χ^2/NDF: 37.4/55

In: 2915.452+/-329.005 χ^2/NDF:25.9/47

Out: 1455.886+/-311.350 χ^2/NDF:73.6/55

All: 2145.459+/-226.141 χ^2/NDF: 109.9/103



Right In: 1792.962+/-0.341 χ^2/NDF: 429426.0/24

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562378.7/30

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

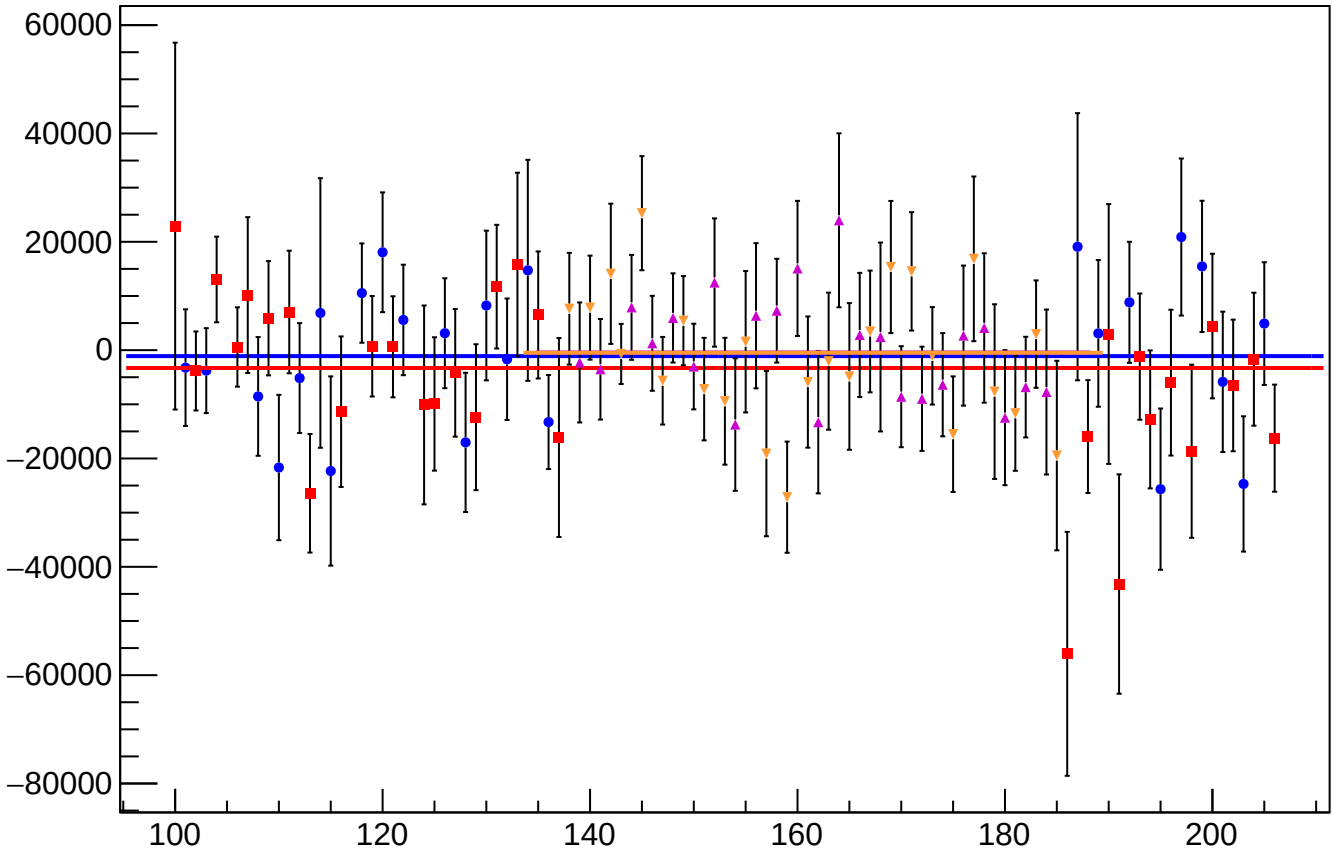
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1783.220+/-0.232 χ^2/NDF: 993329.5/55

In: 1862.391+/-0.233 χ^2/NDF:658214.5/47

Out: 1836.808+/-0.220 χ^2/NDF:1005038.7/55

All: 1848.893+/-0.160 χ^2/NDF: 1669633.7/10



Right In: -1101.688+/-2363.197 χ^2/NDF: 26.9/24

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -3293.647+/-2113.512 χ^2/NDF: 32.5/30

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

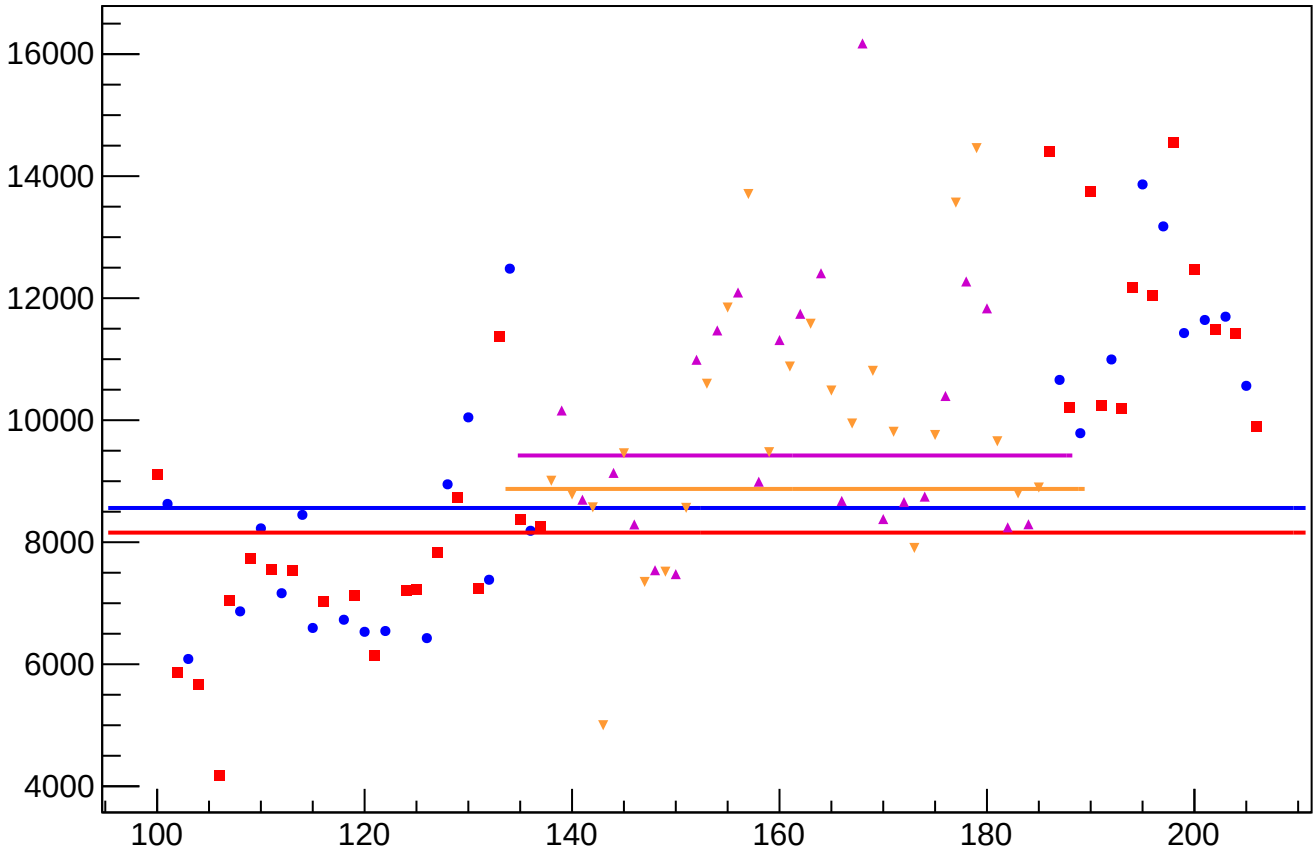
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -2319.543+/-1575.384 χ^2/NDF: 59.9/55

In: -752.186+/-1627.706 χ^2/NDF:40.5/47

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1362.059+/-1097.374 χ^2/NDF: 103.0/10



Right In: 8561.317+/-1.671 χ^2/NDF: 1746154.9/24

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8157.531+/-1.494 χ^2/NDF: 2925506.7/30

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

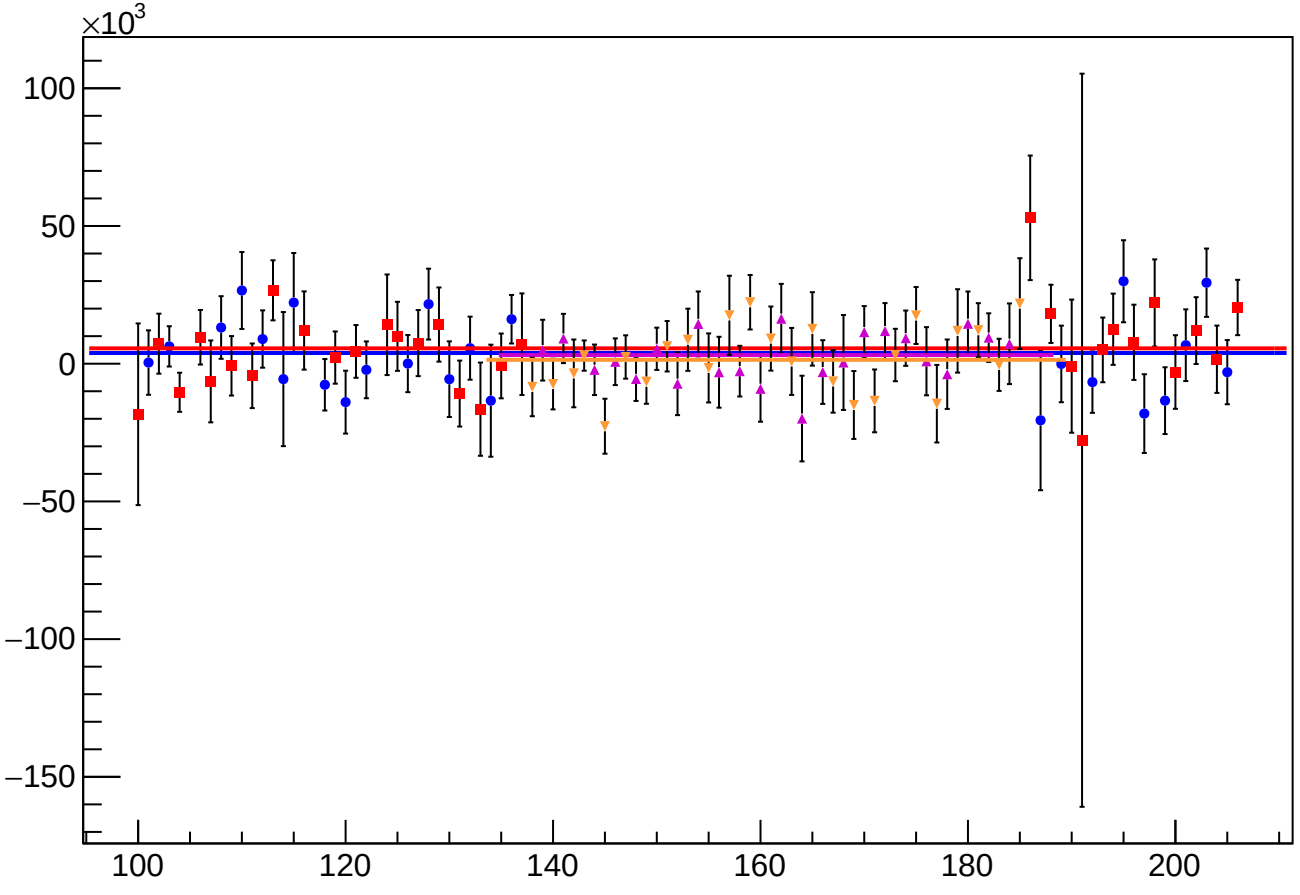
Right: 8336.973+/-1.114 χ^2/NDF: 4704102.8/55

In: 9013.539+/-1.151 χ^2/NDF:3090349.4/47

Out: 8519.705+/-1.051 χ^2/NDF:5244875.0/55

All: 8744.164+/-0.776 χ^2/NDF: 8435643.4/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3881.101+/-2385.850 χ^2/NDF: 28.4/24

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 5571.199+/-2225.521 χ^2/NDF: 26.5/30

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

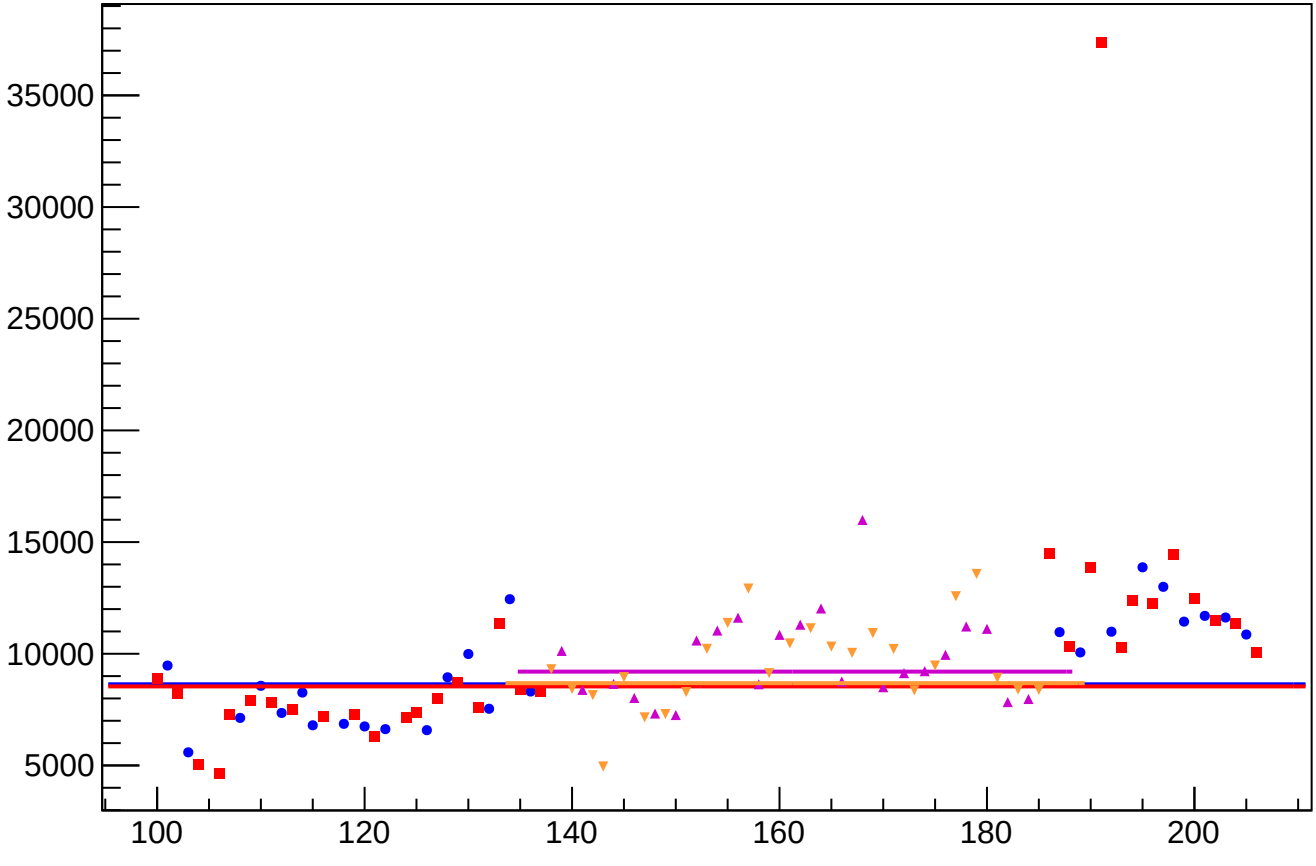
Right: 4784.841+/-1627.412 χ^2/NDF: 55.3/55

In: 3478.399+/-1613.152 χ^2/NDF:41.5/47

Out: 3308.949+/-1503.778 χ^2/NDF:55.9/55

All: 3387.735+/-1099.967 χ^2/NDF: 97.4/103

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8633.347+/-1.687 χ^2/NDF: 1804297.0/24

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8538.675+/-1.574 χ^2/NDF: 2581740.0/30

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

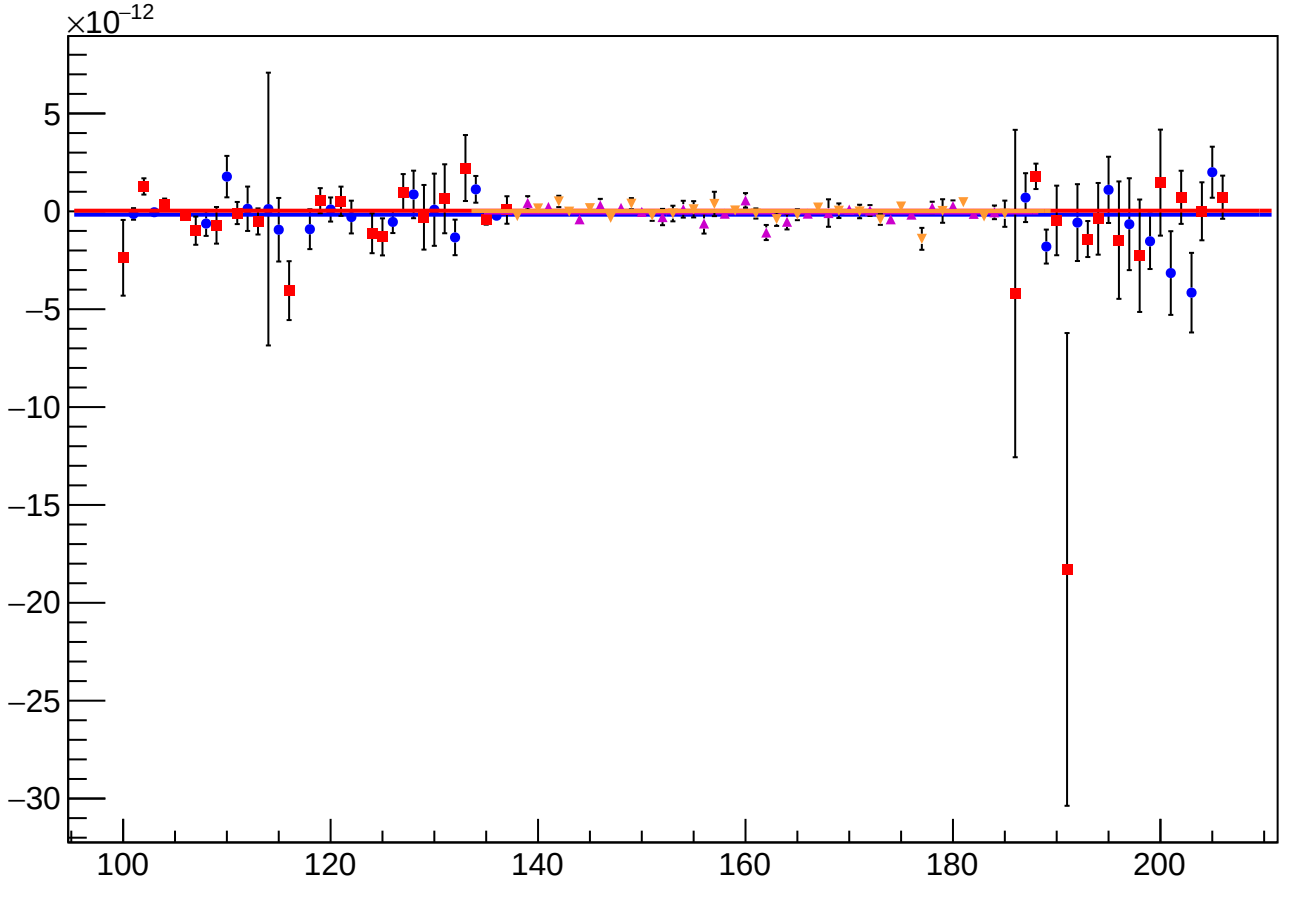
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8582.721+/-1.151 χ^2/NDF: 4387721.0/55

In: 8941.381+/-1.141 χ^2/NDF:2995133.4/47

Out: 8617.944+/-1.063 χ^2/NDF:4638032.0/55

All: 8768.323+/-0.778 χ^2/NDF: 7676184.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.2/30

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

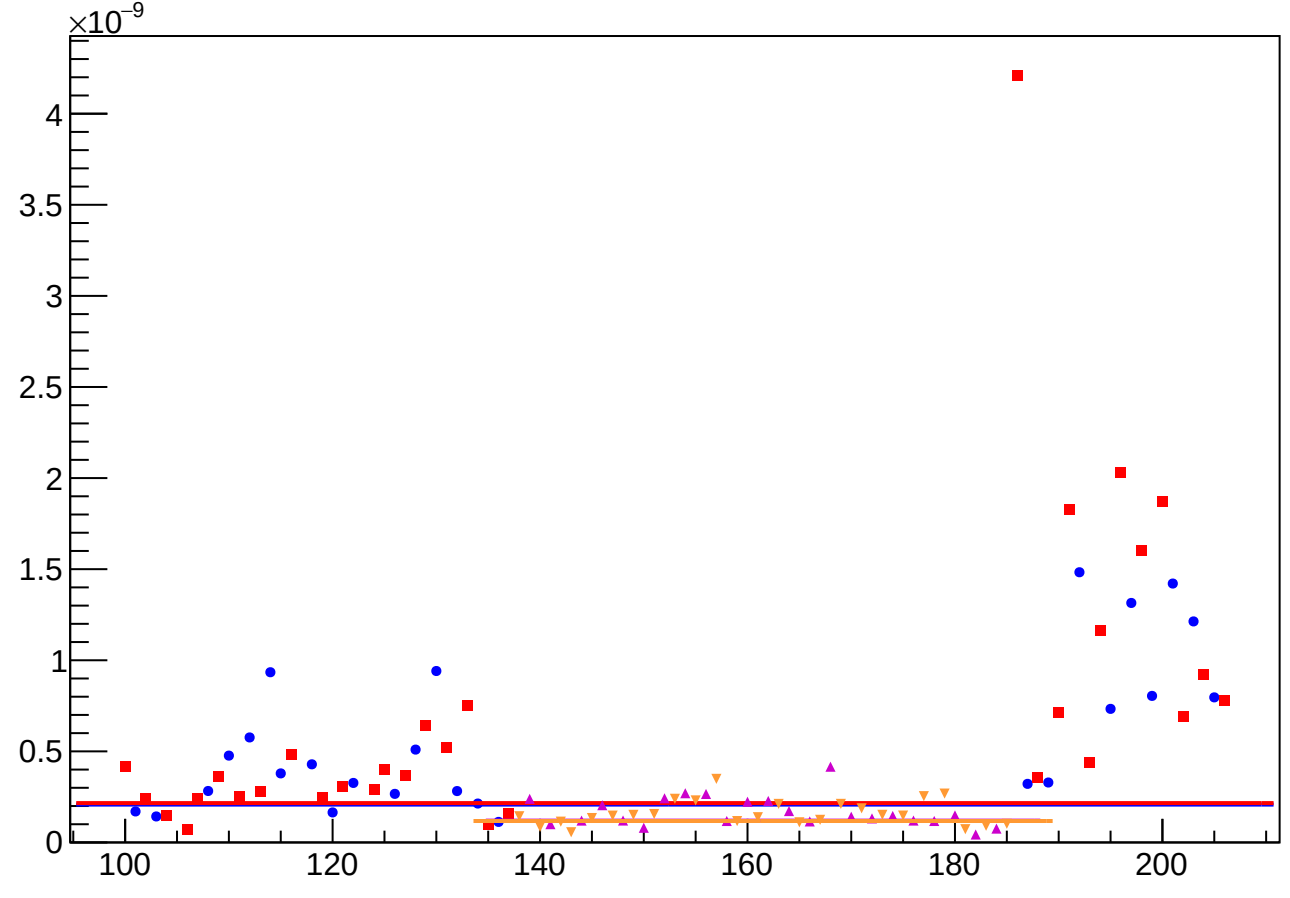
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 74.5/55

In: -0.000+/-0.000 χ^2/NDF:54.3/47

Out: 0.000+/-0.000 χ^2/NDF:76.0/55

All: -0.000+/-0.000 χ^2/NDF: 132.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 5089388.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436165.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

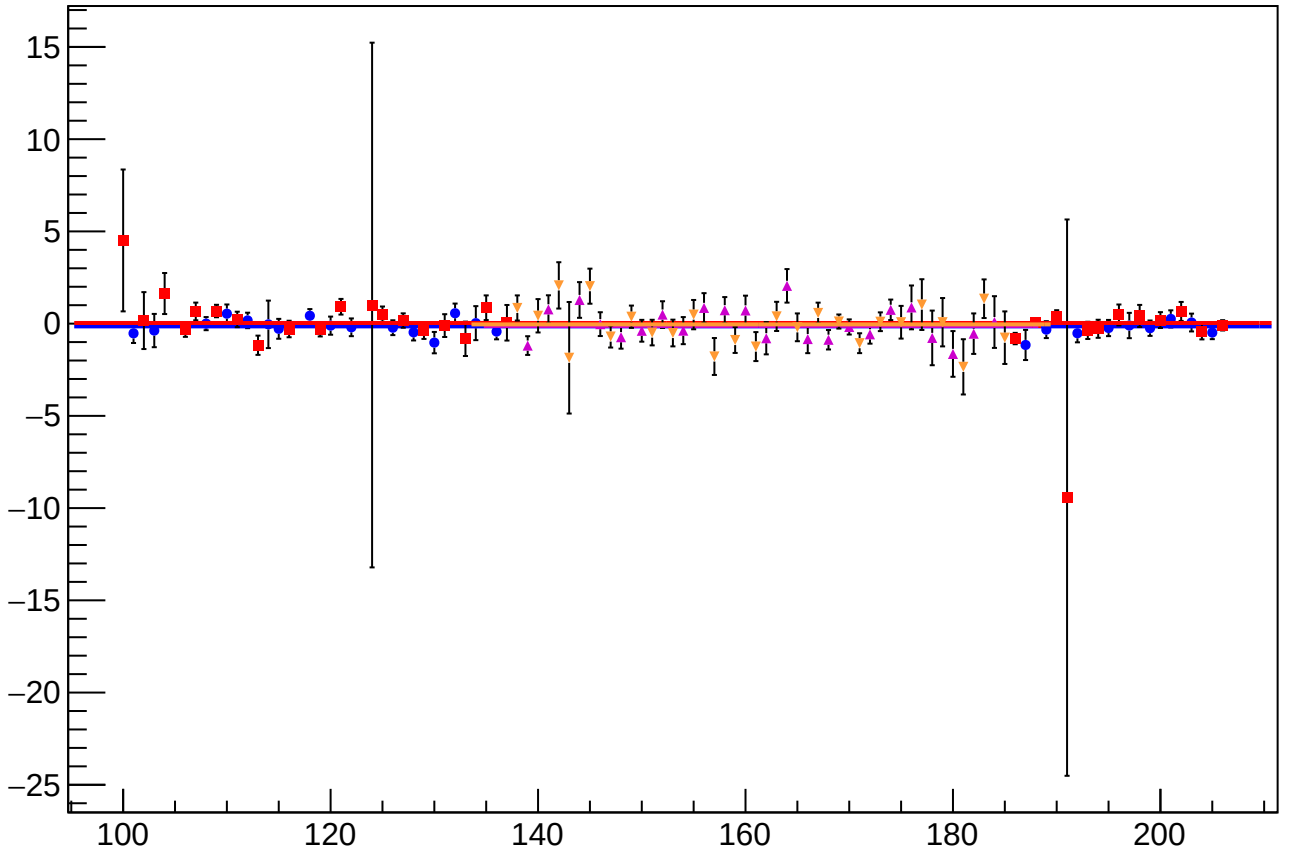
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11530544.1/55

In: 0.000+/-0.000 χ^2/NDF:8703137.9/47

Out: 0.000+/-0.000 χ^2/NDF:9966337.8/55

All: 0.000+/-0.000 χ^2/NDF: 18671871.4/103



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

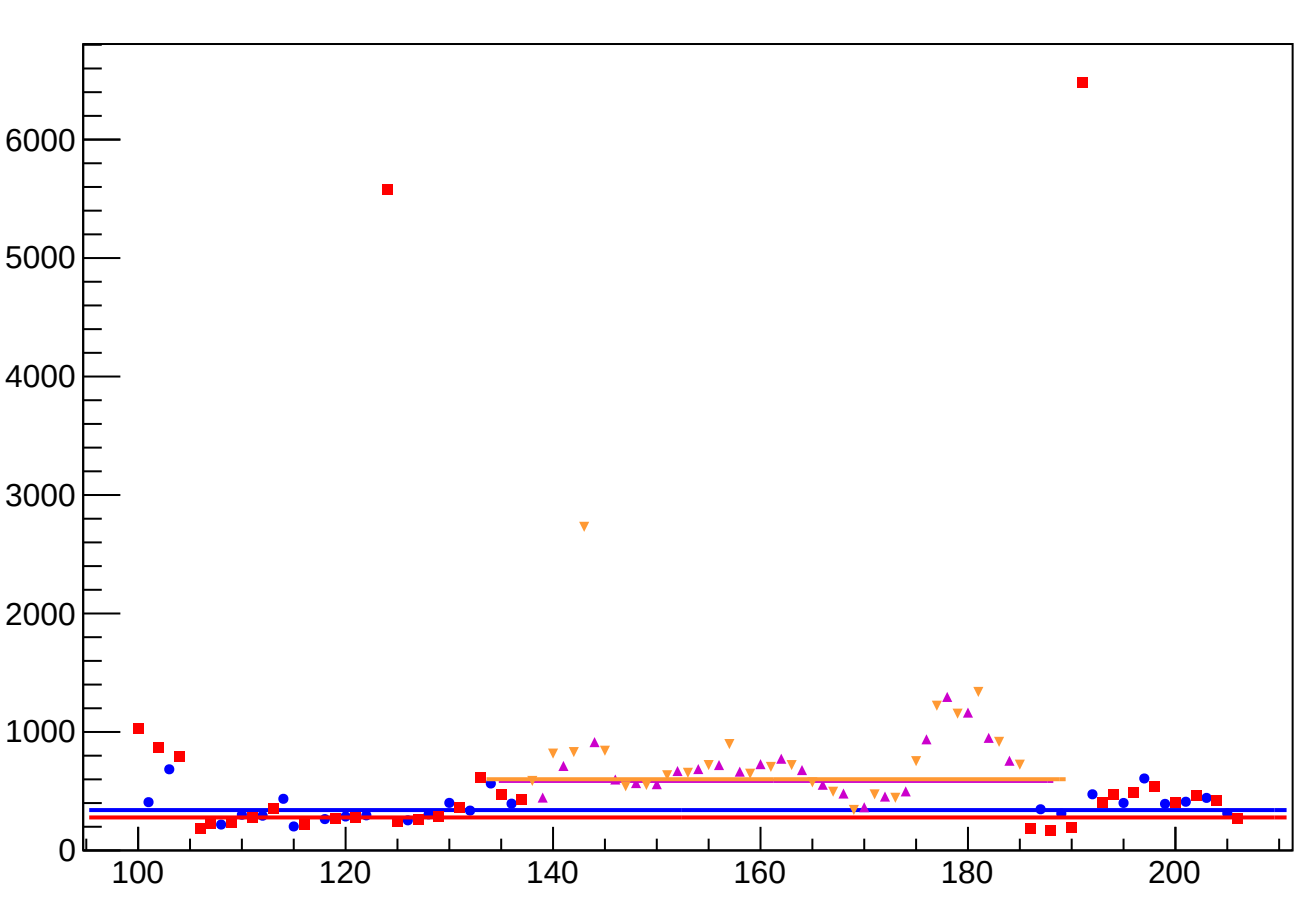
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.038+/-0.061 χ^2/NDF: 57.1/55

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.050+/-0.052 χ^2/NDF: 116.6/103



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

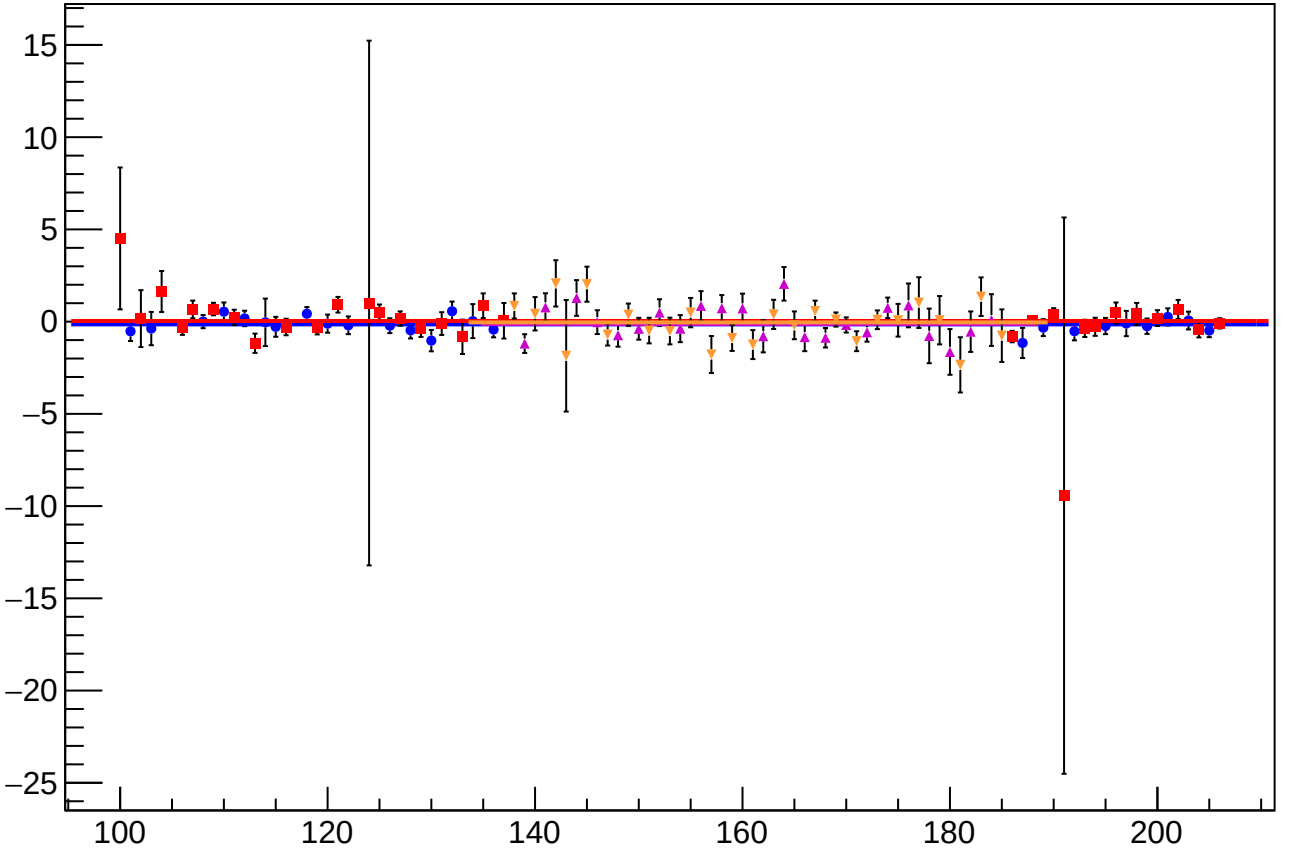
Right: 303.258+/-0.043 χ^2/NDF: 7309067.2/55

In: 416.165+/-0.057 χ^2/NDF:8741320.4/47

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 377.712+/-0.037 χ^2/NDF: 26449343.3/10

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

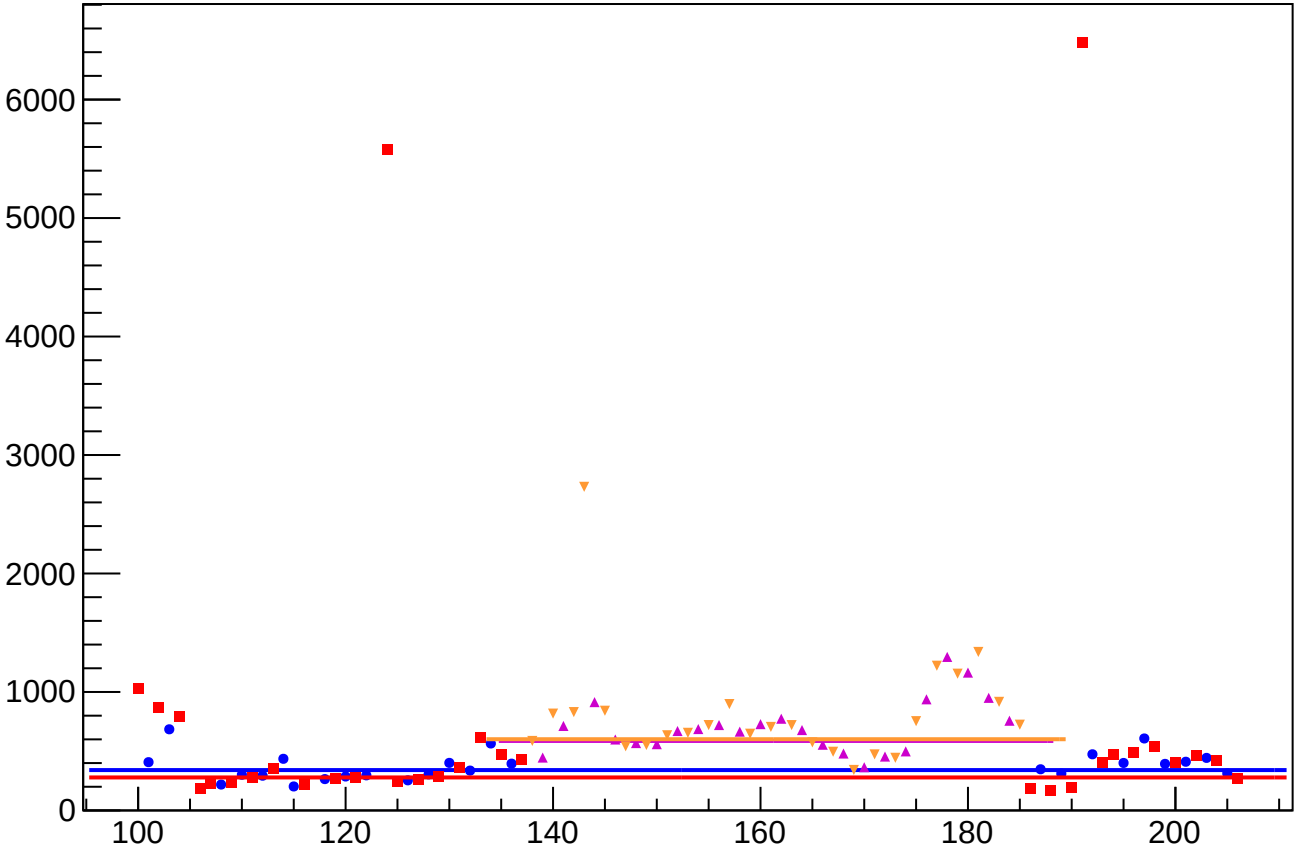
Right: -0.038+/-0.061 χ^2/NDF: 57.1/55

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.050+/-0.052 χ^2/NDF: 116.6/103

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

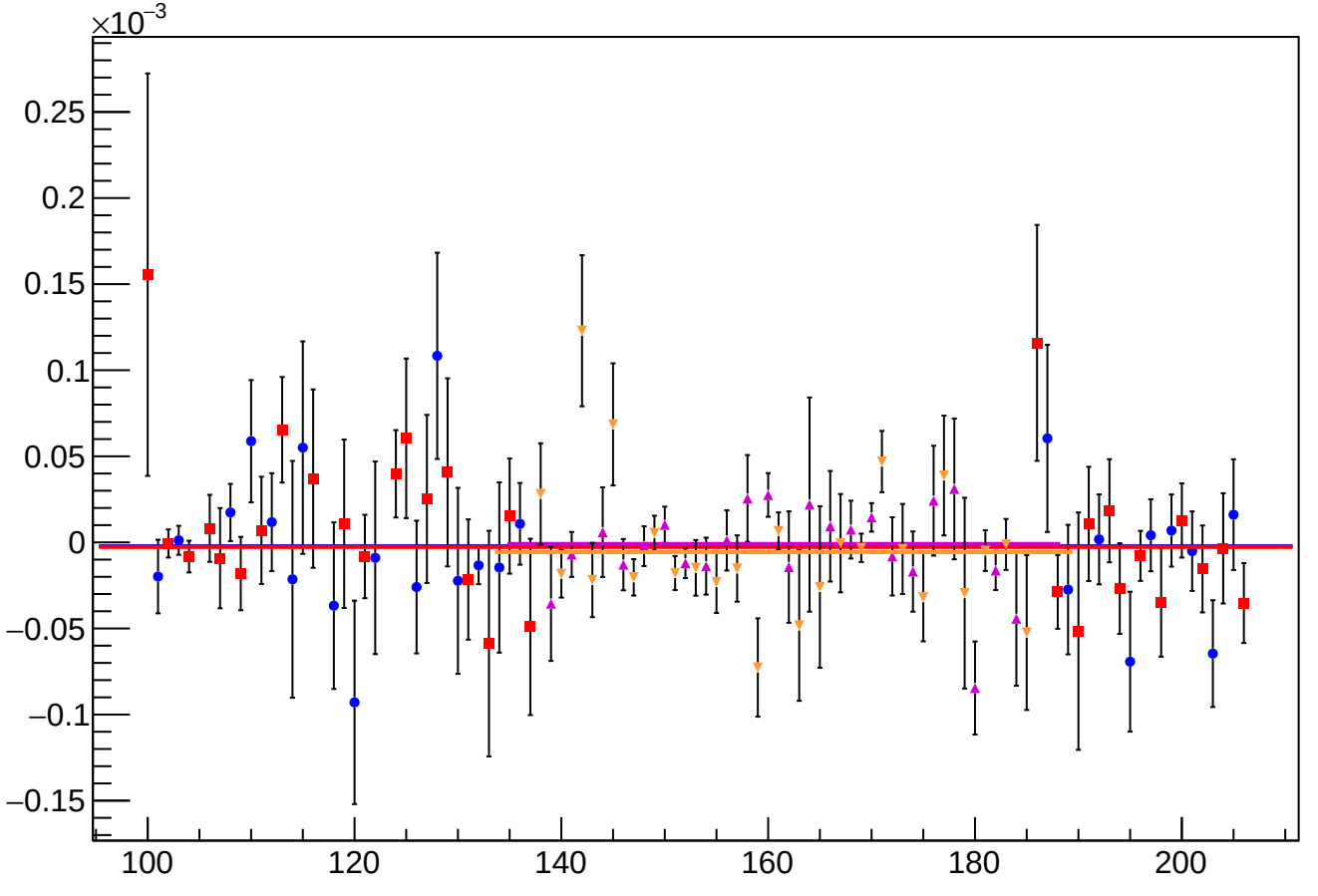
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 303.258+/-0.043 χ^2/NDF: 7309067.2/55

In: 416.165+/-0.057 χ^2/NDF:8741320.4/47

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 377.712+/-0.037 χ^2/NDF: 26449343.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/30

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

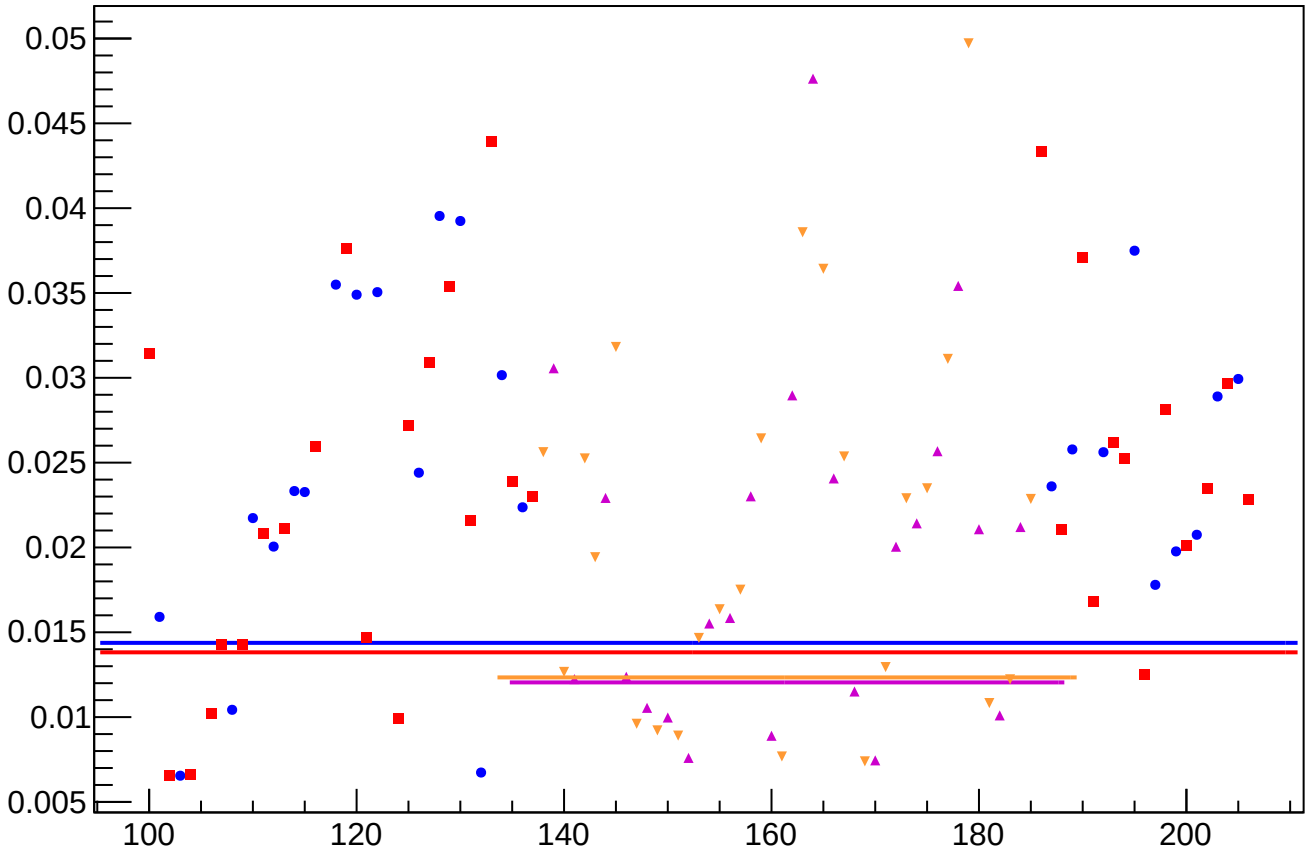
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.8/55

In: -0.000+/-0.000 χ^2/NDF:54.0/47

Out: -0.000+/-0.000 χ^2/NDF:70.0/55

All: -0.000+/-0.000 χ^2/NDF: 124.7/103



Right In: 0.014+/-0.000 χ^2/NDF: 7815674.3/24

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8507051.0/30

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

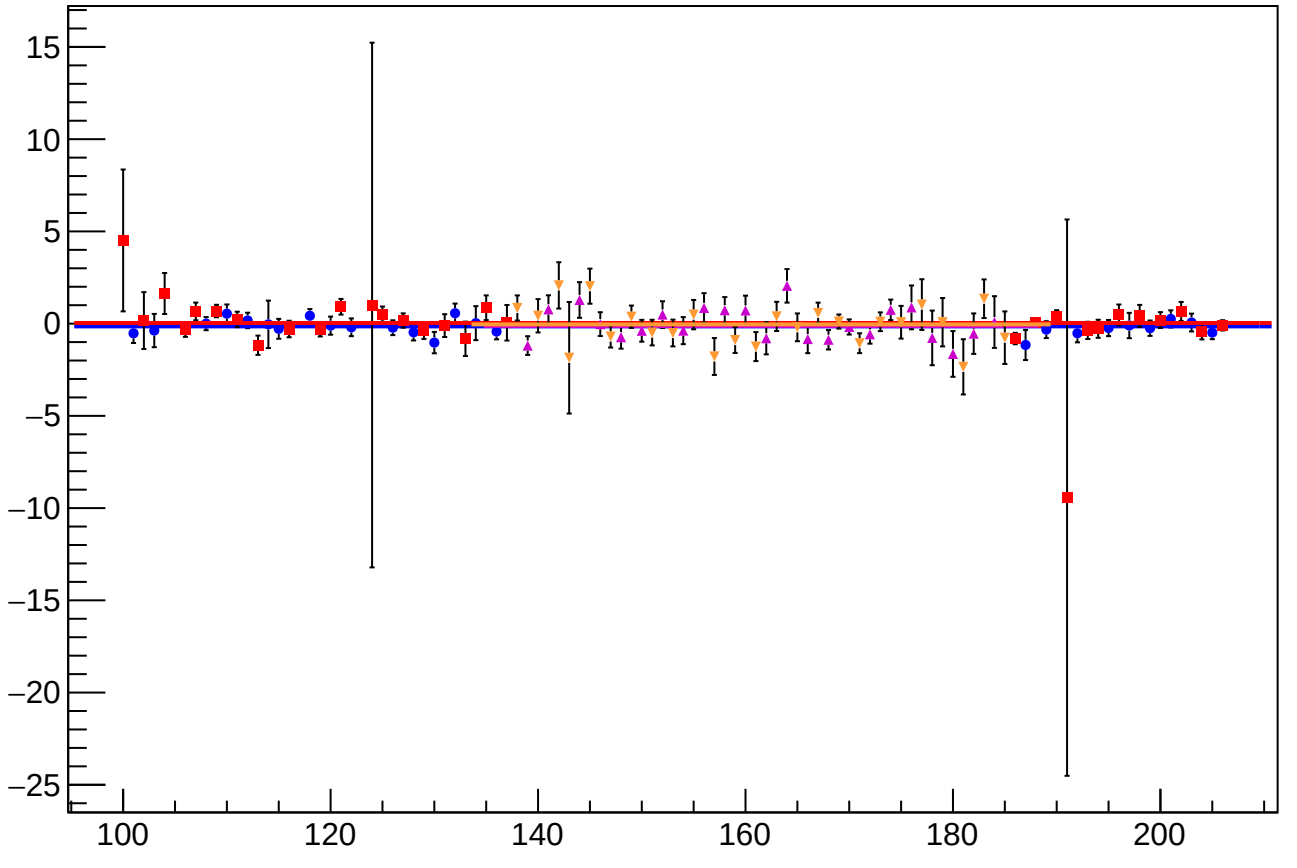
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 16339271.0/55

In: 0.013+/-0.000 χ^2/NDF:14533788.9/47

Out: 0.013+/-0.000 χ^2/NDF:16508314.3/55

All: 0.013+/-0.000 χ^2/NDF: 31043339.2/103



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

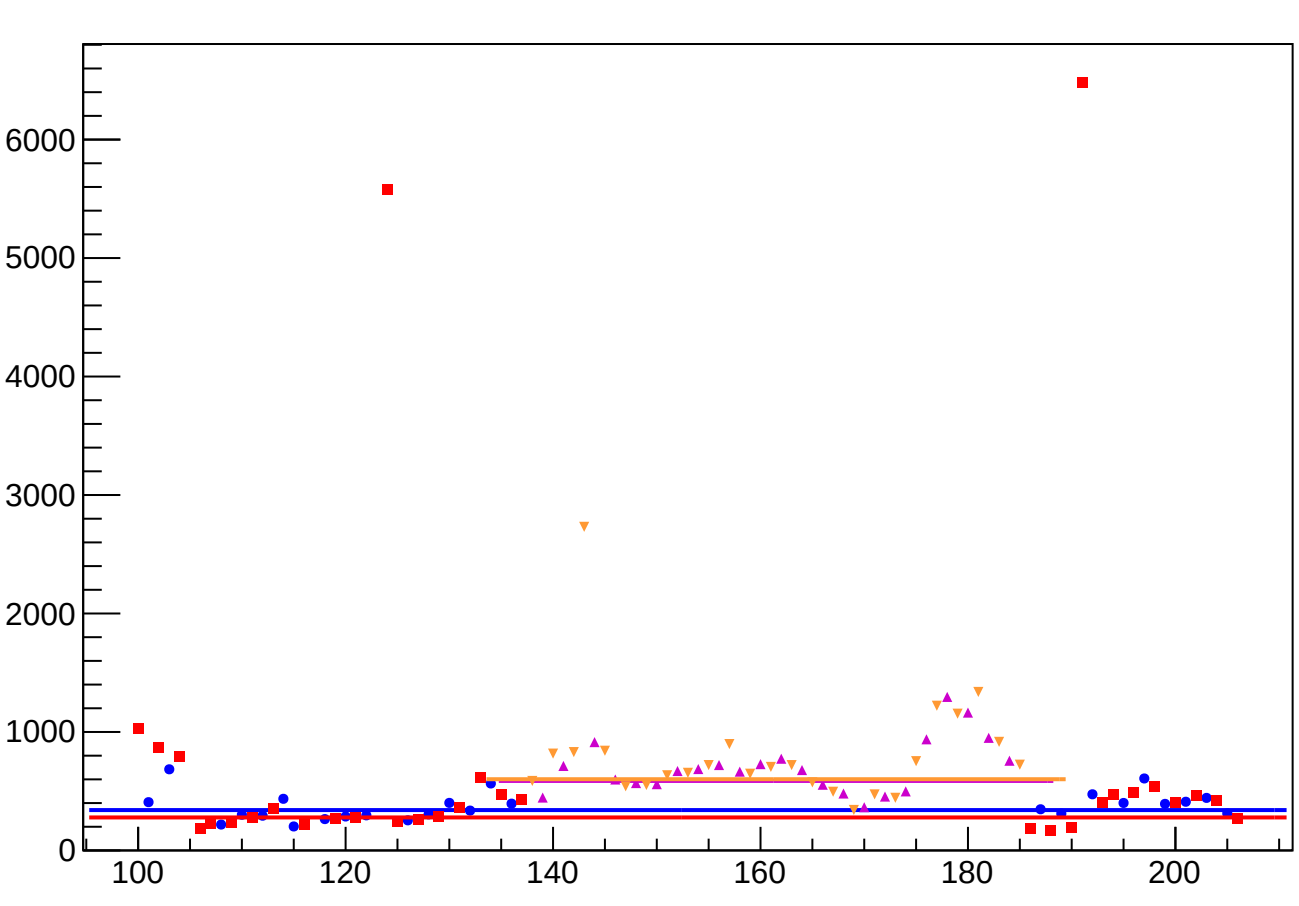
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.038+/-0.061 χ^2/NDF: 57.1/55

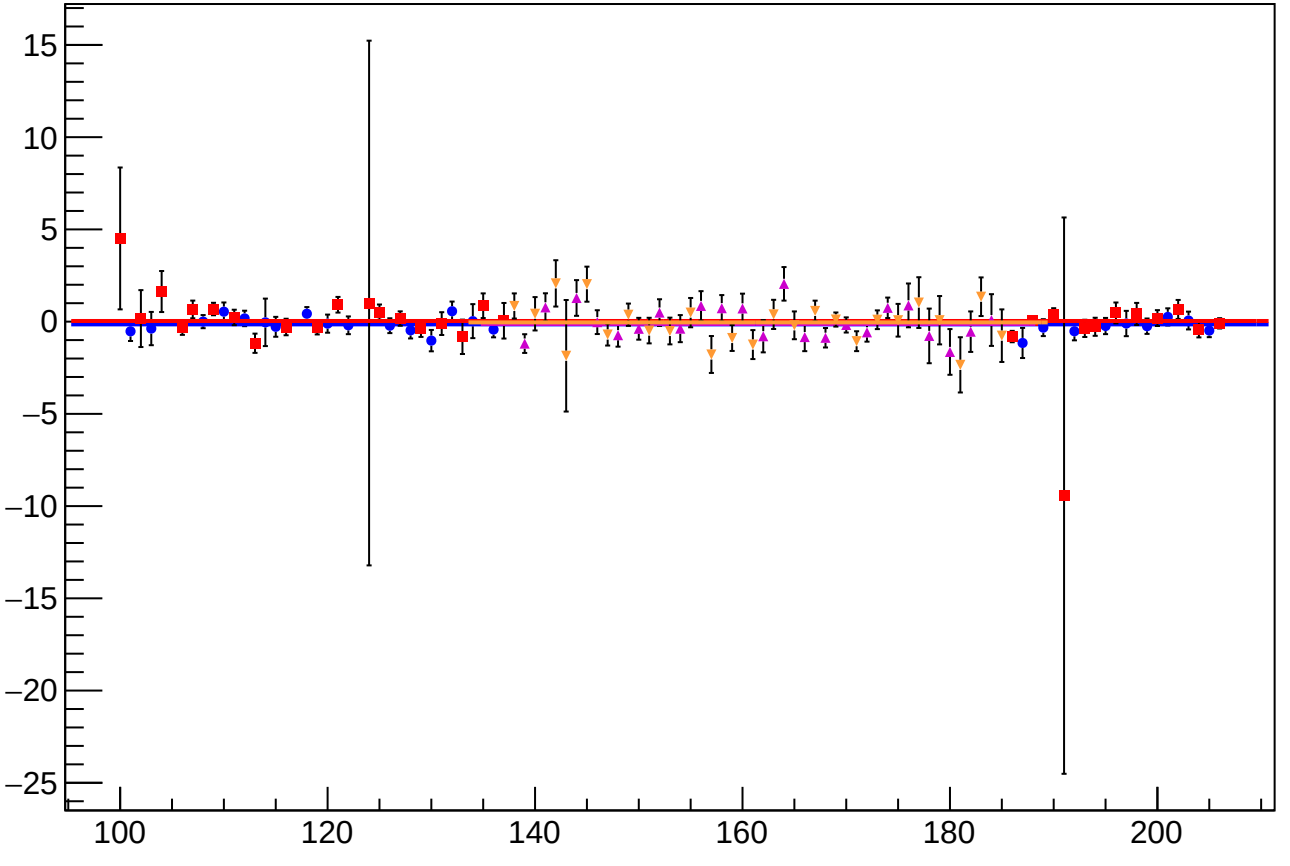
In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.050+/-0.052 χ^2/NDF: 116.6/103


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 340.824+/-0.068 χ²/NDF: 1824507.7/24
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 278.599+/-0.055 χ²/NDF: 4982614.0/30
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
Left: 593.903+/-0.073 χ²/NDF: 7404947.7/47
Right: 303.253+/-0.043 χ²/NDF: 7309477.1/55
In: 416.164+/-0.057 χ²/NDF:8741548.3/47
Out: 349.303+/-0.049 χ²/NDF:16912561.6/55
All: 377.707+/-0.037 χ²/NDF: 26450545.4/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

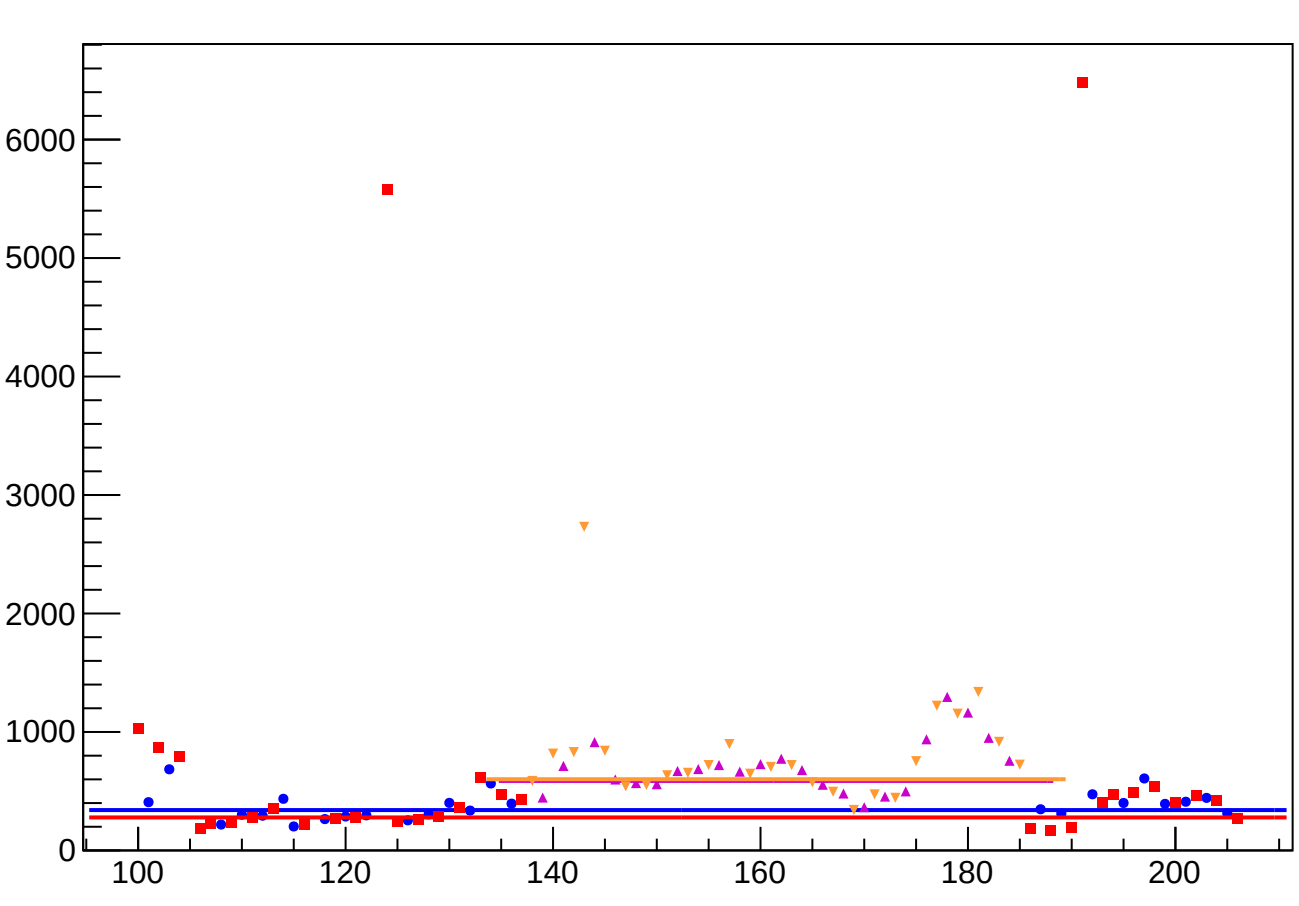
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.038+/-0.061 χ^2/NDF: 57.1/55

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.050+/-0.052 χ^2/NDF: 116.6/103



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

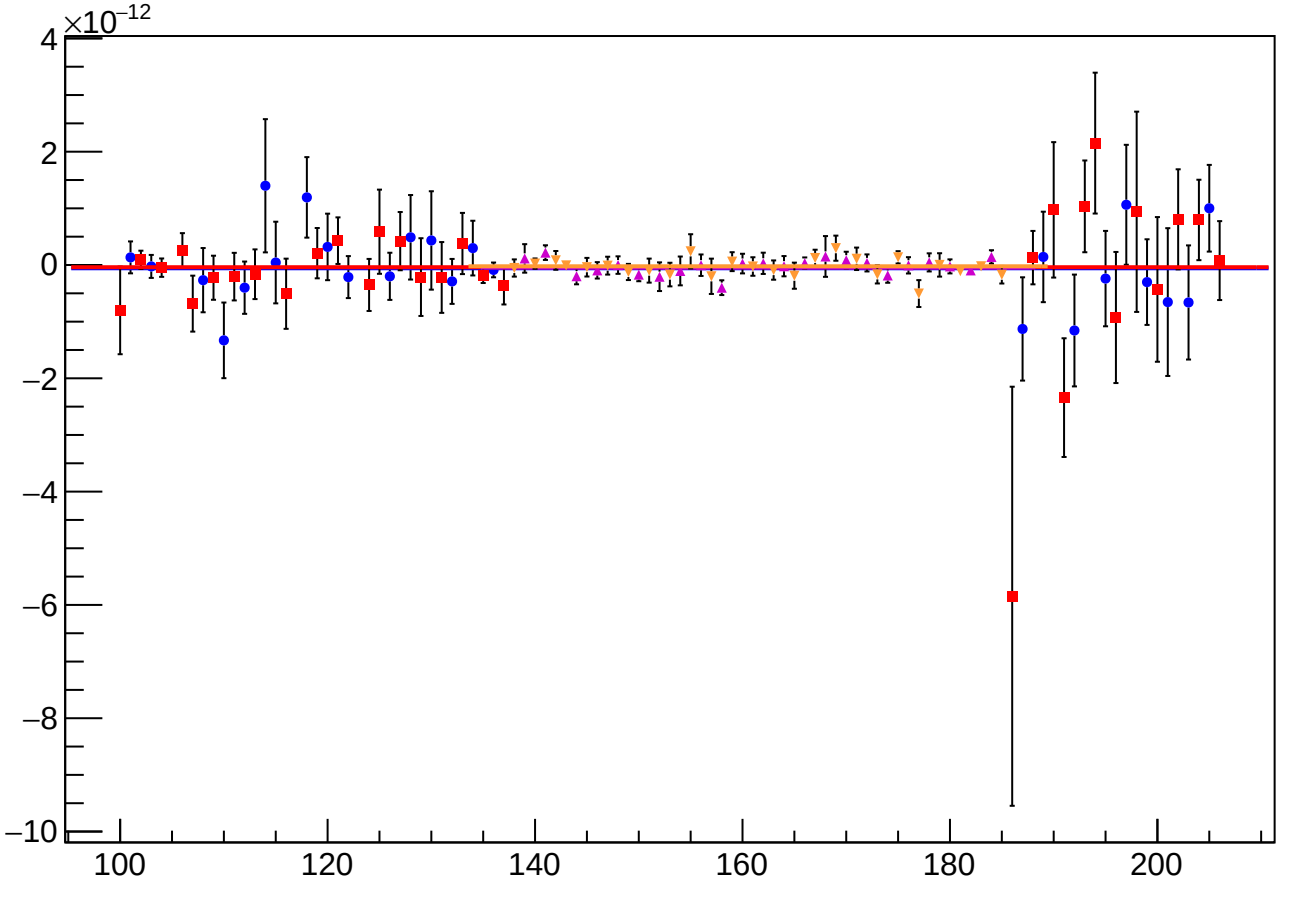
Right: 303.253+/-0.043 χ^2/NDF: 7309477.1/55

In: 416.164+/-0.057 χ^2/NDF:8741548.3/47

Out: 349.303+/-0.049 χ^2/NDF:16912561.6/55

All: 377.707+/-0.037 χ^2/NDF: 26450545.4/10

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/30

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

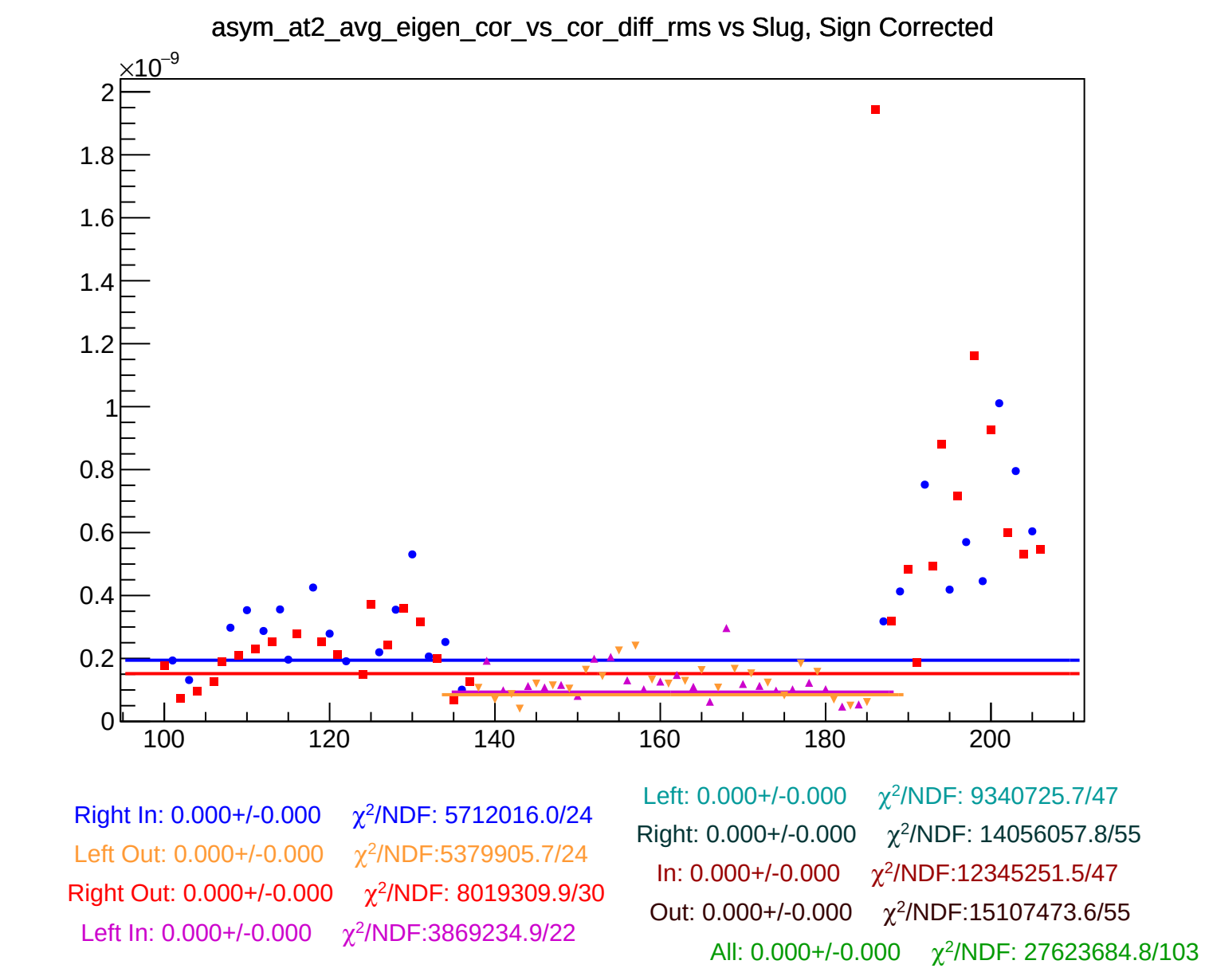
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

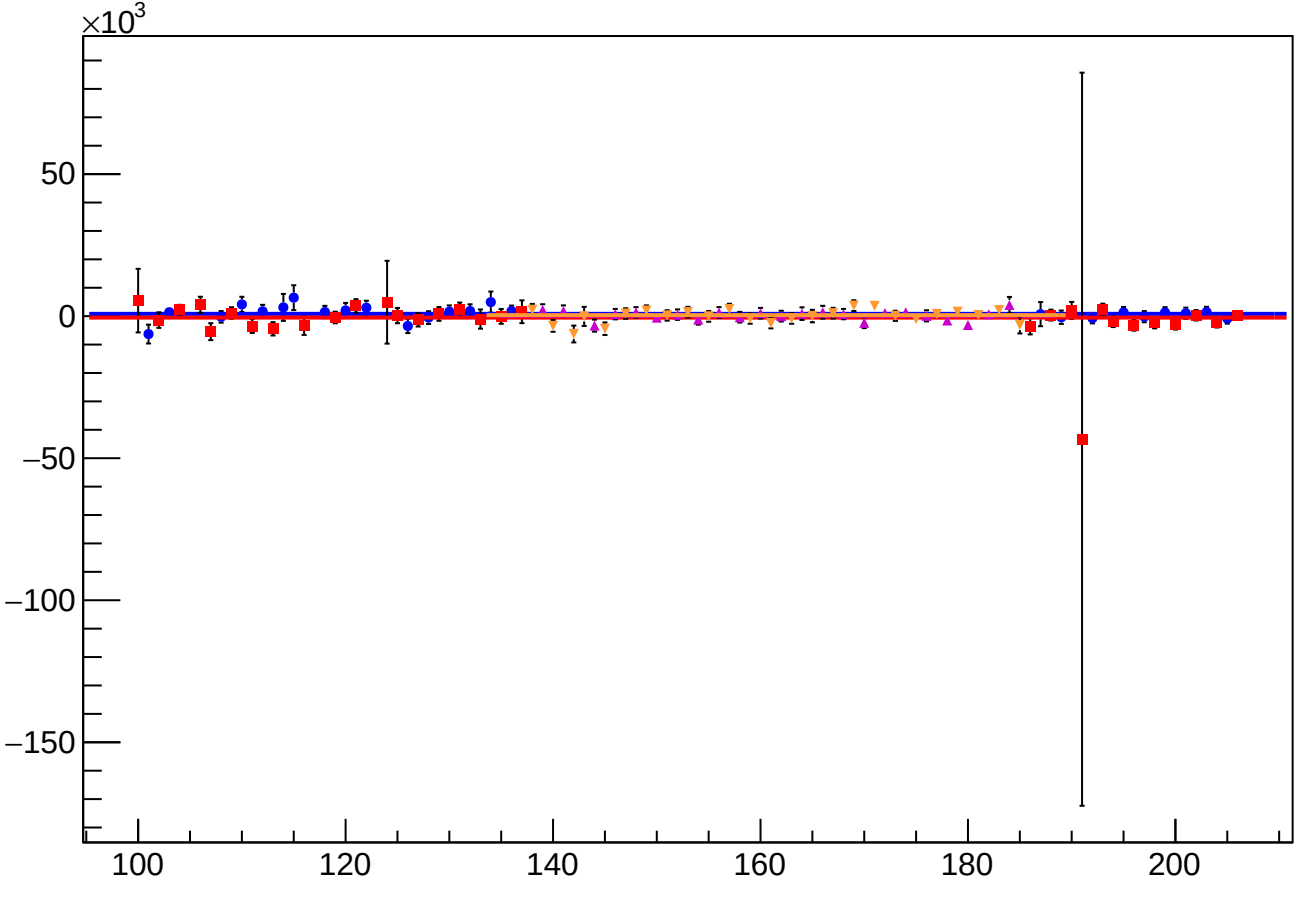
Right: -0.000+/-0.000 χ^2/NDF: 46.3/55

In: -0.000+/-0.000 χ^2/NDF:40.4/47

Out: -0.000+/-0.000 χ^2/NDF:44.3/55

All: -0.000+/-0.000 χ^2/NDF: 85.0/103


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5712016.0/24
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8019309.9/30
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 14056057.8/55
In: 0.000+/-0.000 χ²/NDF:12345251.5/47
Out: 0.000+/-0.000 χ²/NDF:15107473.6/55
All: 0.000+/-0.000 χ²/NDF: 27623684.8/103



Right In: 817.687+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.673+/-423.157 χ^2/NDF: 28.9/30

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

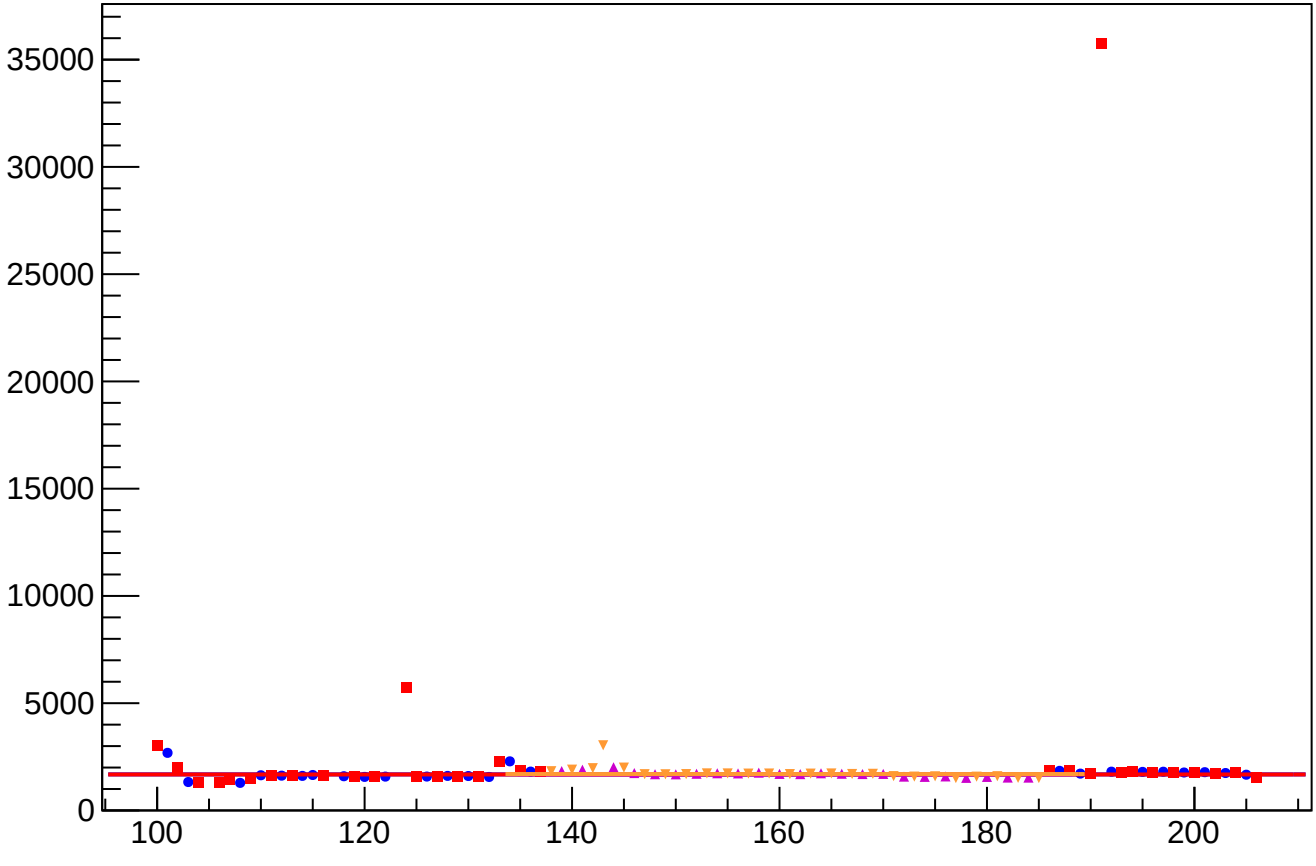
Right: 109.481+/-308.859 χ^2/NDF: 50.6/55

In: 442.605+/-297.067 χ^2/NDF:34.3/47

Out: -37.381+/-286.032 χ^2/NDF:60.8/55

All: 193.532+/-206.046 χ^2/NDF: 96.5/103

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.164+/-0.319 χ^2/NDF: 469832.6/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.2/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

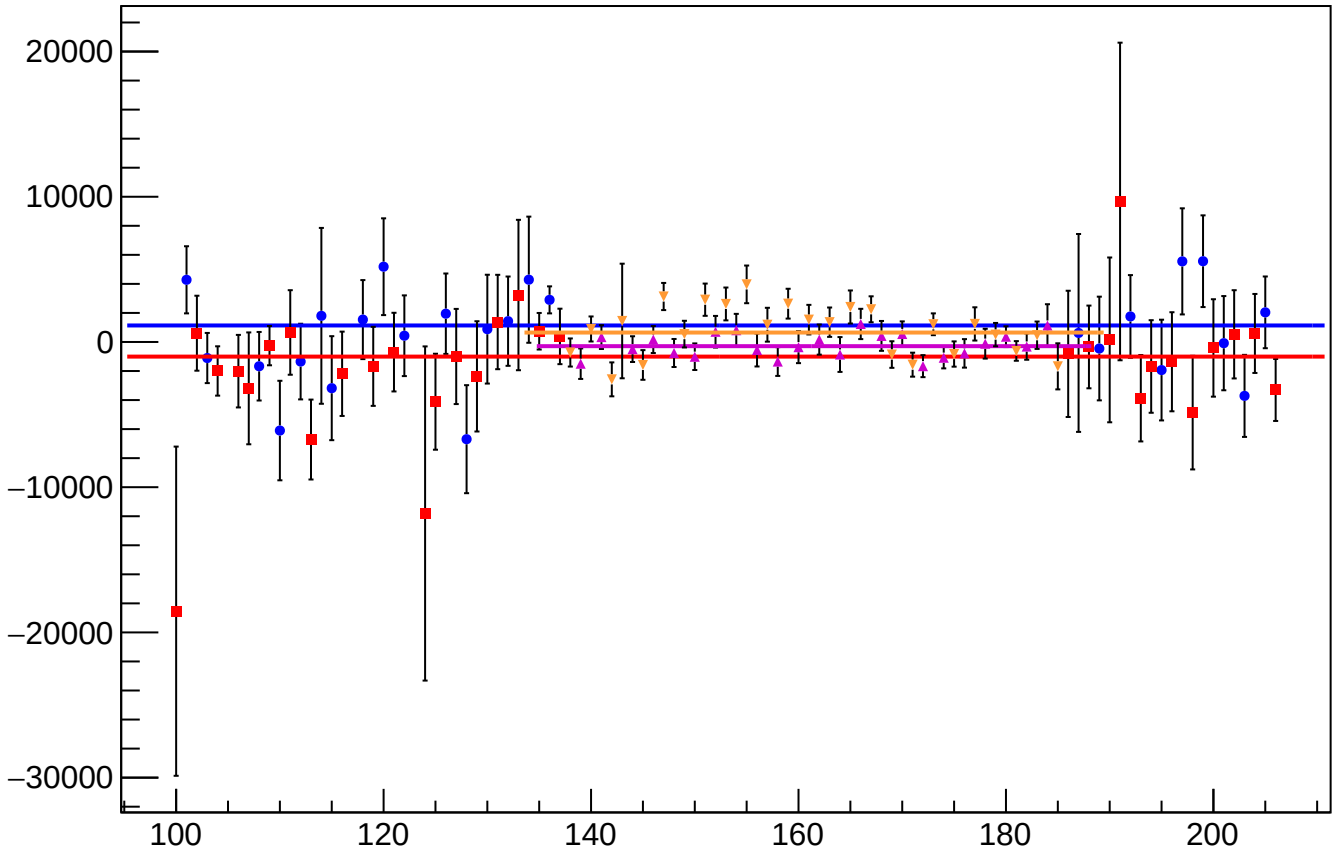
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1679.379+/-0.218 χ^2/NDF: 1163968.5/55

In: 1683.102+/-0.210 χ^2/NDF:635253.1/47

Out: 1688.503+/-0.202 χ^2/NDF:1191824.9/55

All: 1685.904+/-0.146 χ^2/NDF: 1827421.1/10



Right In: 1136.812+/-509.758 χ^2/NDF: 29.7/24

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1007.192+/-479.557 χ^2/NDF: 19.1/30

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

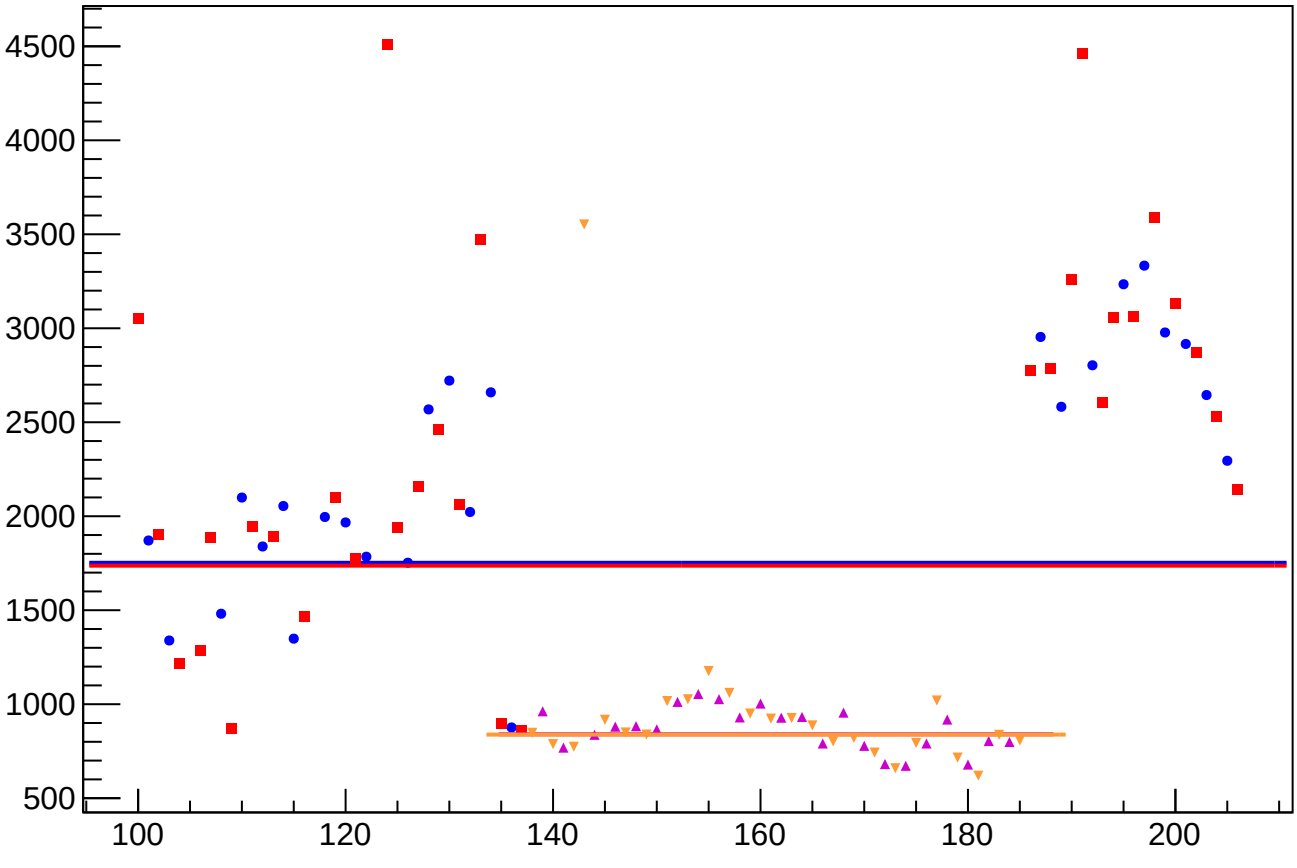
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: -0.579+/-349.287 χ^2/NDF: 58.2/55

In: -100.943+/-184.966 χ^2/NDF:53.0/47

Out: 412.766+/-181.170 χ^2/NDF:94.9/55

All: 161.237+/-129.428 χ^2/NDF: 151.8/103



Right In: 1752.300+/-0.360 χ^2/NDF: 4367482.4/24

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1737.085+/-0.339 χ^2/NDF: 5755206.8/30

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

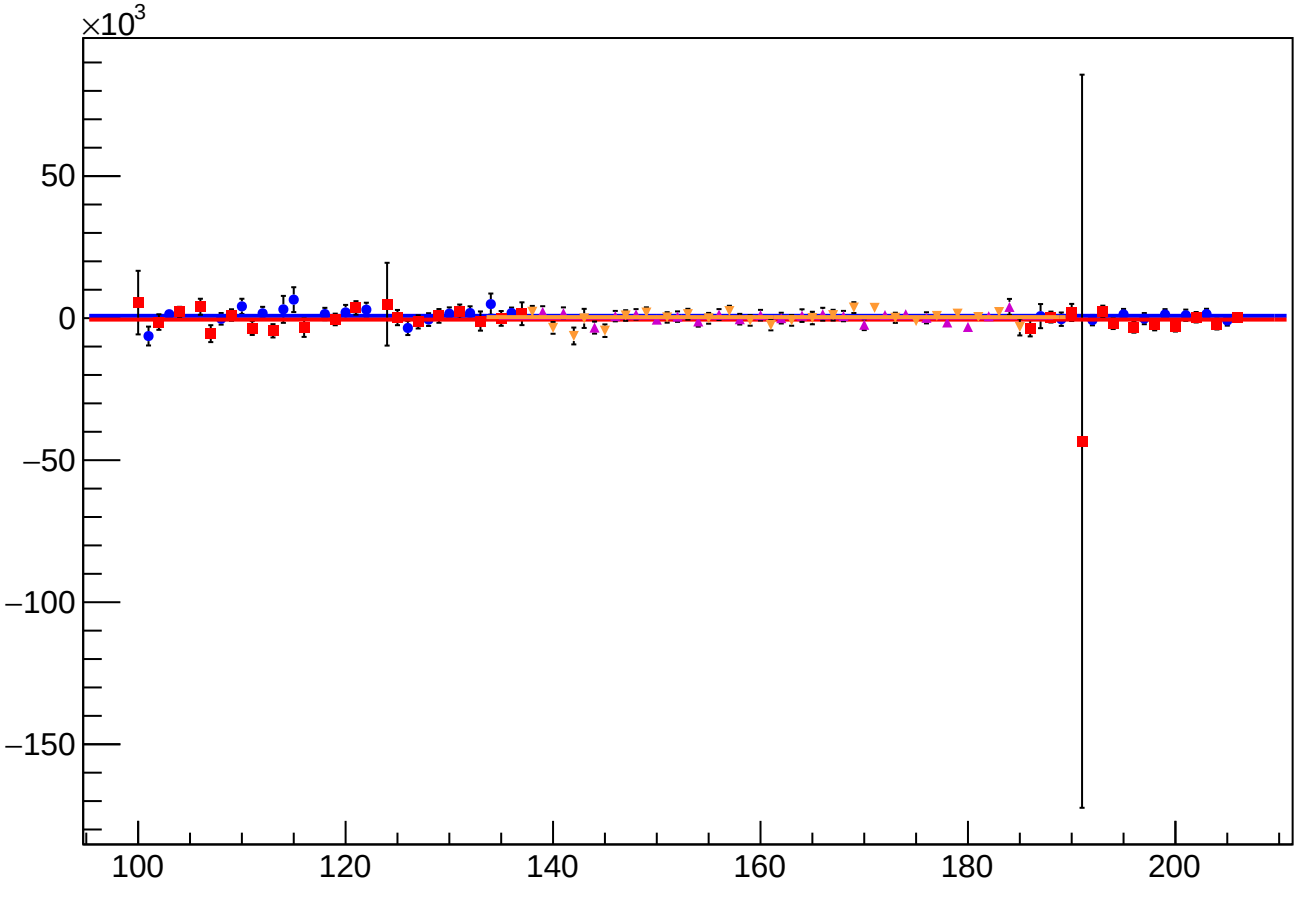
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1744.228+/-0.247 χ^2/NDF: 10123634.4/55

In: 960.093+/-0.131 χ^2/NDF:10599580.2/47

Out: 966.528+/-0.128 χ^2/NDF:13578800.8/55

All: 963.377+/-0.092 χ^2/NDF: 24179616.2/10



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.813+/-423.157 χ^2/NDF: 28.9/30

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

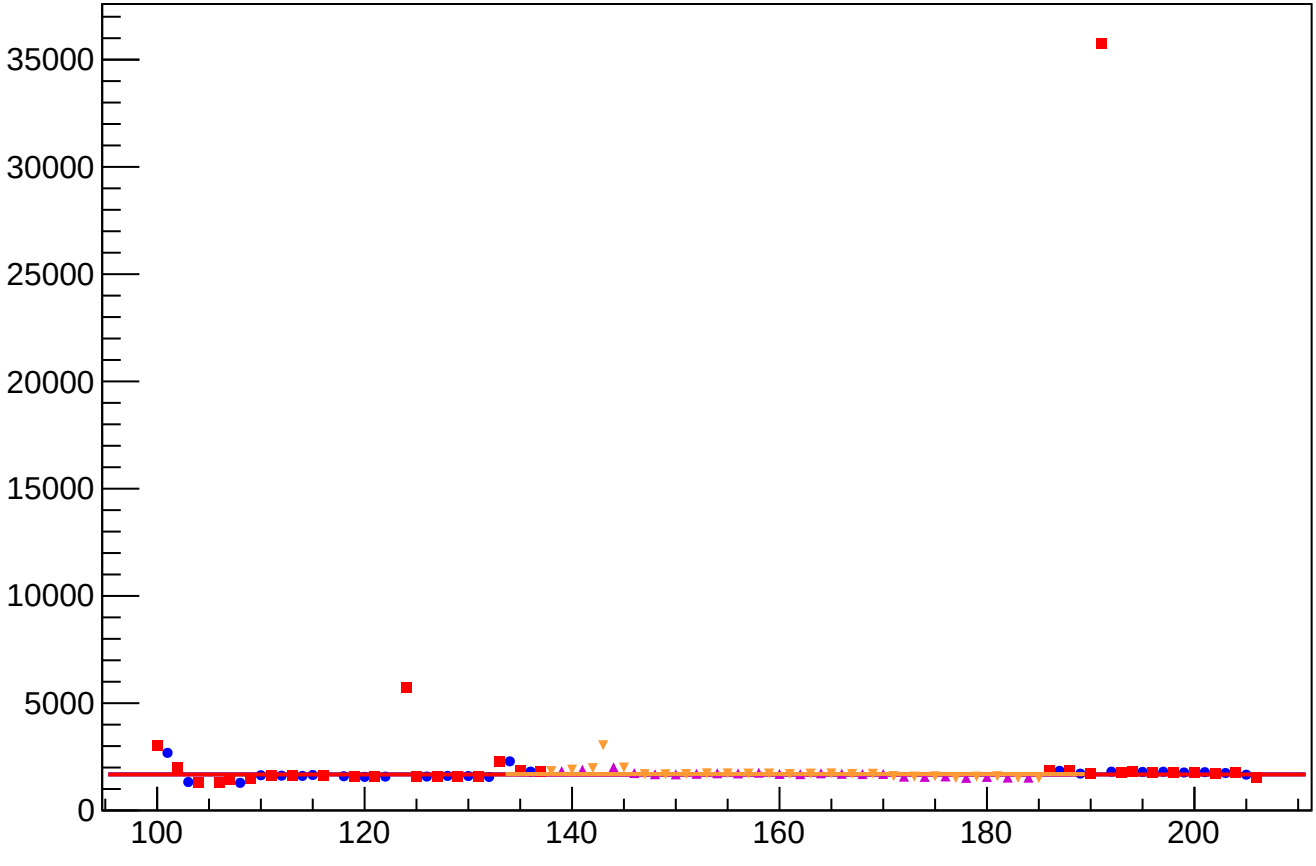
Right: 109.424+/-308.859 χ^2/NDF: 50.6/55

In: 442.568+/-297.067 χ^2/NDF:34.3/47

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 193.457+/-206.046 χ^2/NDF: 96.5/103

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

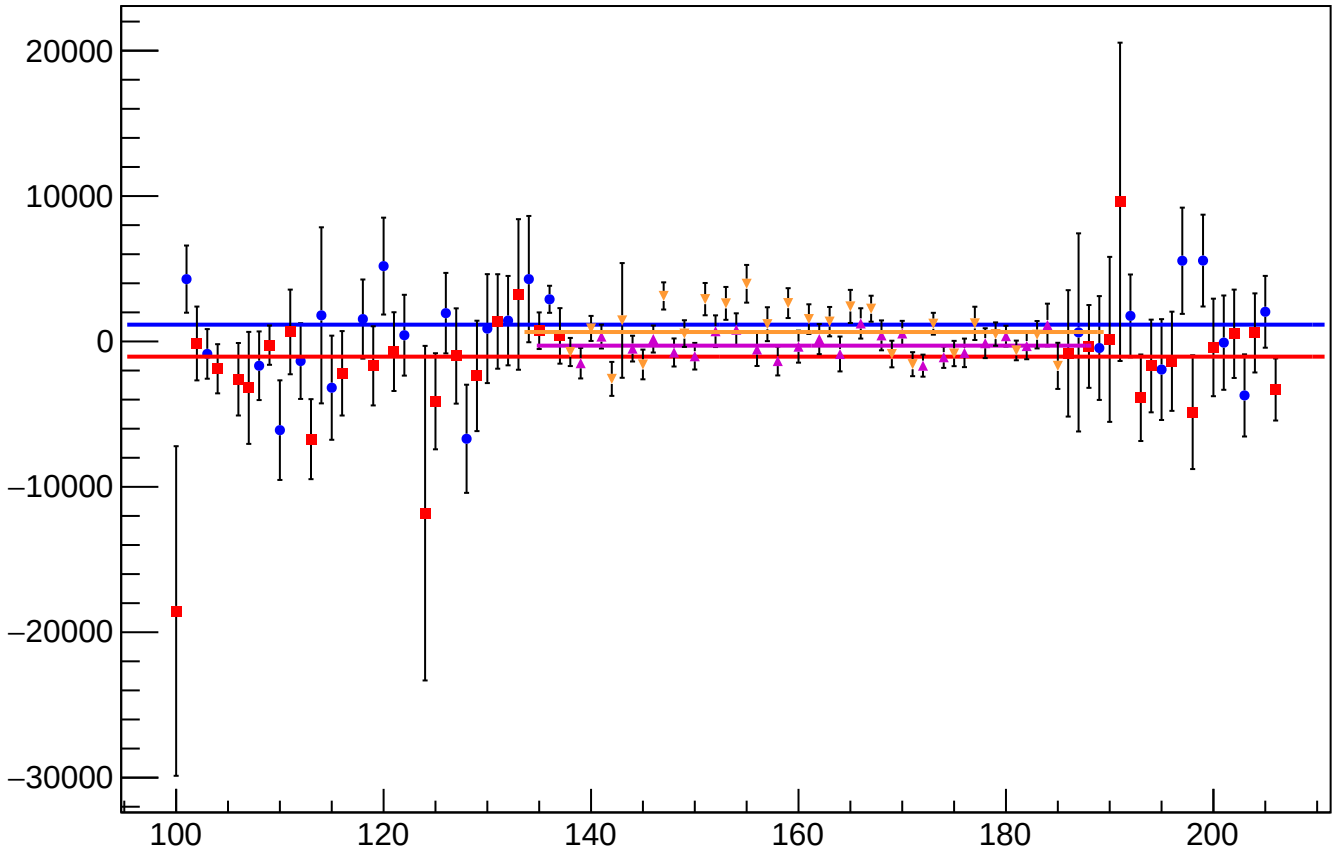
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1679.379+/-0.218 χ^2/NDF: 1163968.9/55

In: 1683.102+/-0.210 χ^2/NDF:635253.4/47

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1685.904+/-0.146 χ^2/NDF: 1827421.5/10



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1045.244+/-479.066 χ^2/NDF: 19.0/30

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

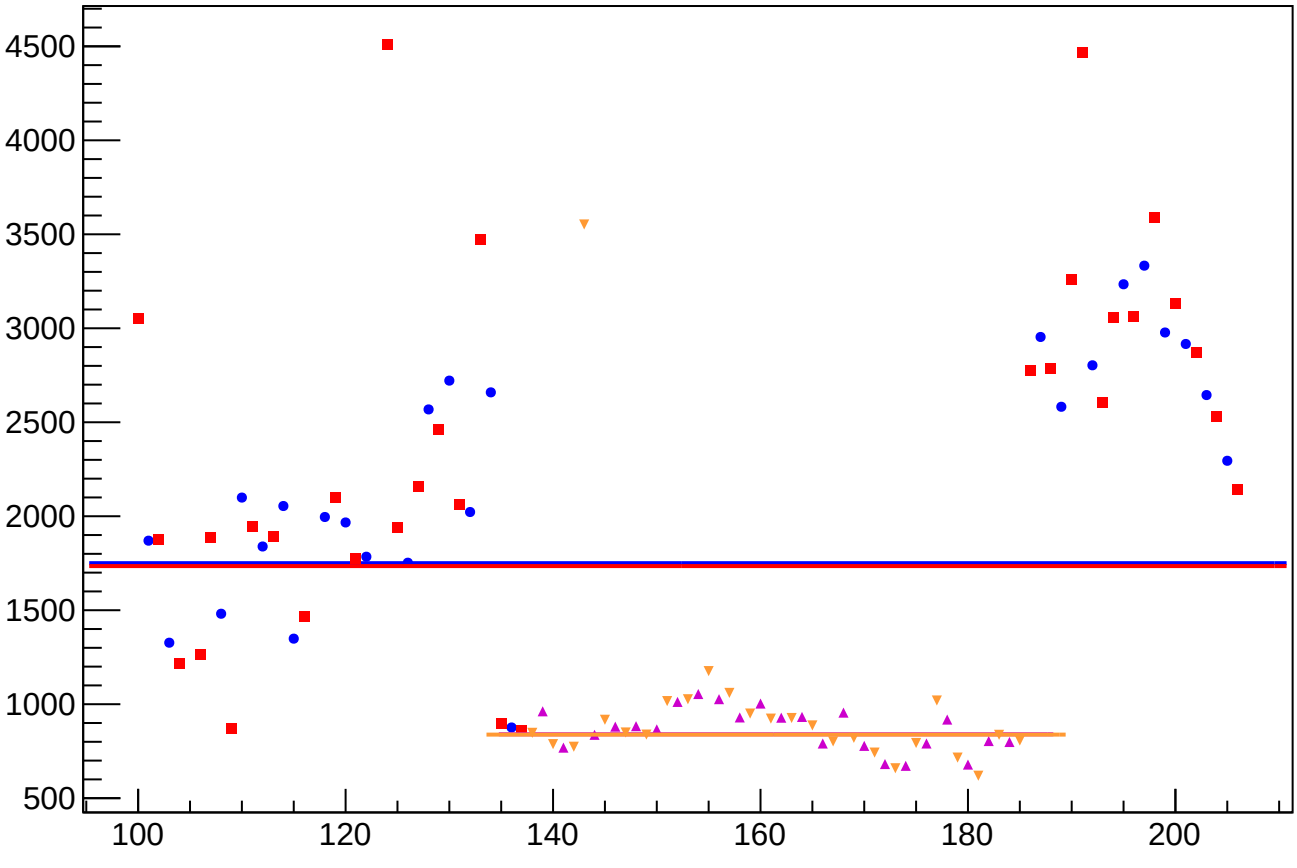
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: -12.303+/-348.917 χ^2/NDF: 58.3/55

In: -98.216+/-184.940 χ^2/NDF:52.9/47

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 159.579+/-129.410 χ^2/NDF: 152.0/103



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

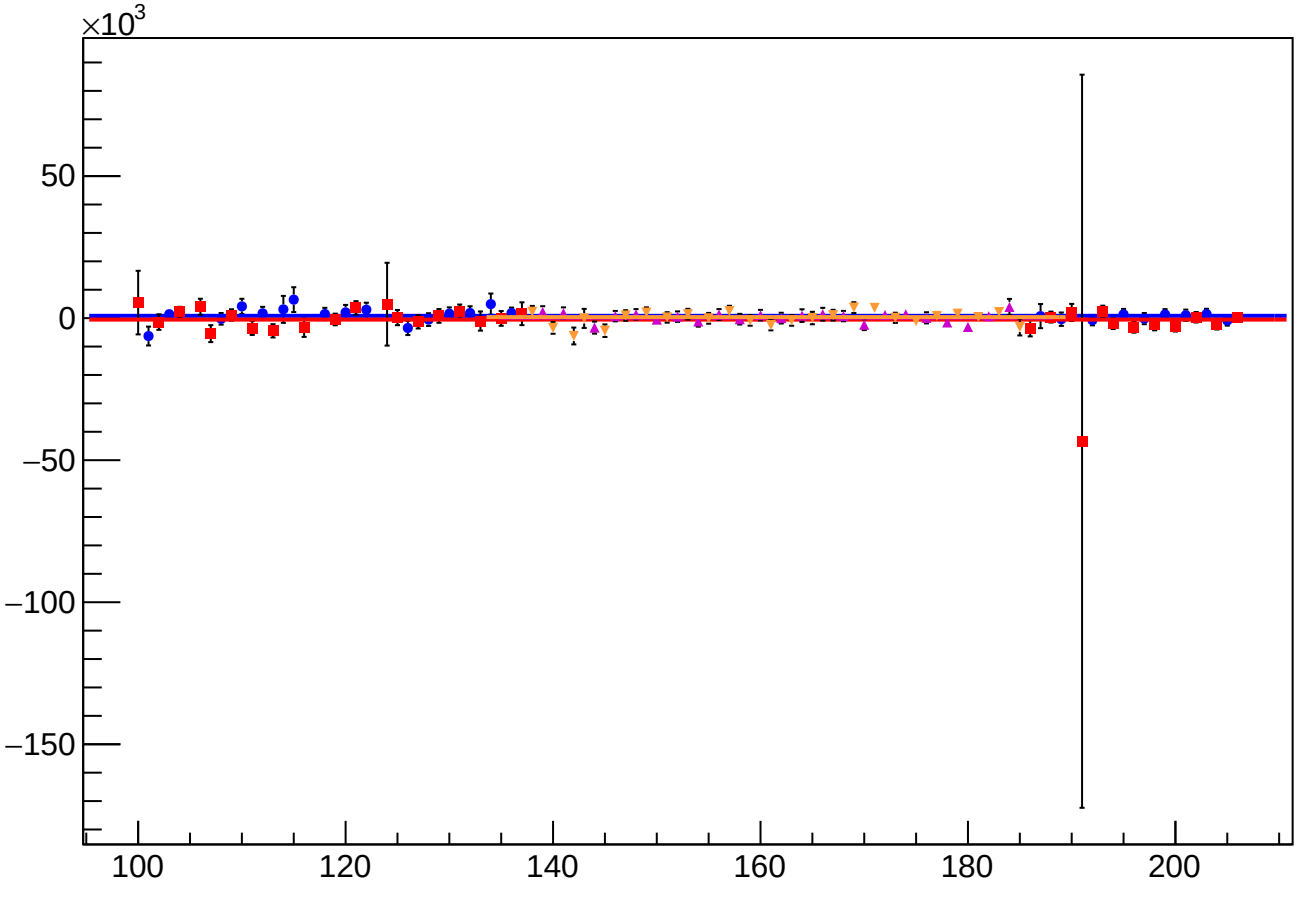
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1742.111+/-0.247 χ^2/NDF: 10140754.5/55

In: 960.065+/-0.131 χ^2/NDF:10595535.4/47

Out: 966.444+/-0.128 χ^2/NDF:13566648.4/55

All: 963.321+/-0.092 χ^2/NDF: 24163398.2/10



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.813+/-423.157 χ^2/NDF: 28.9/30

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

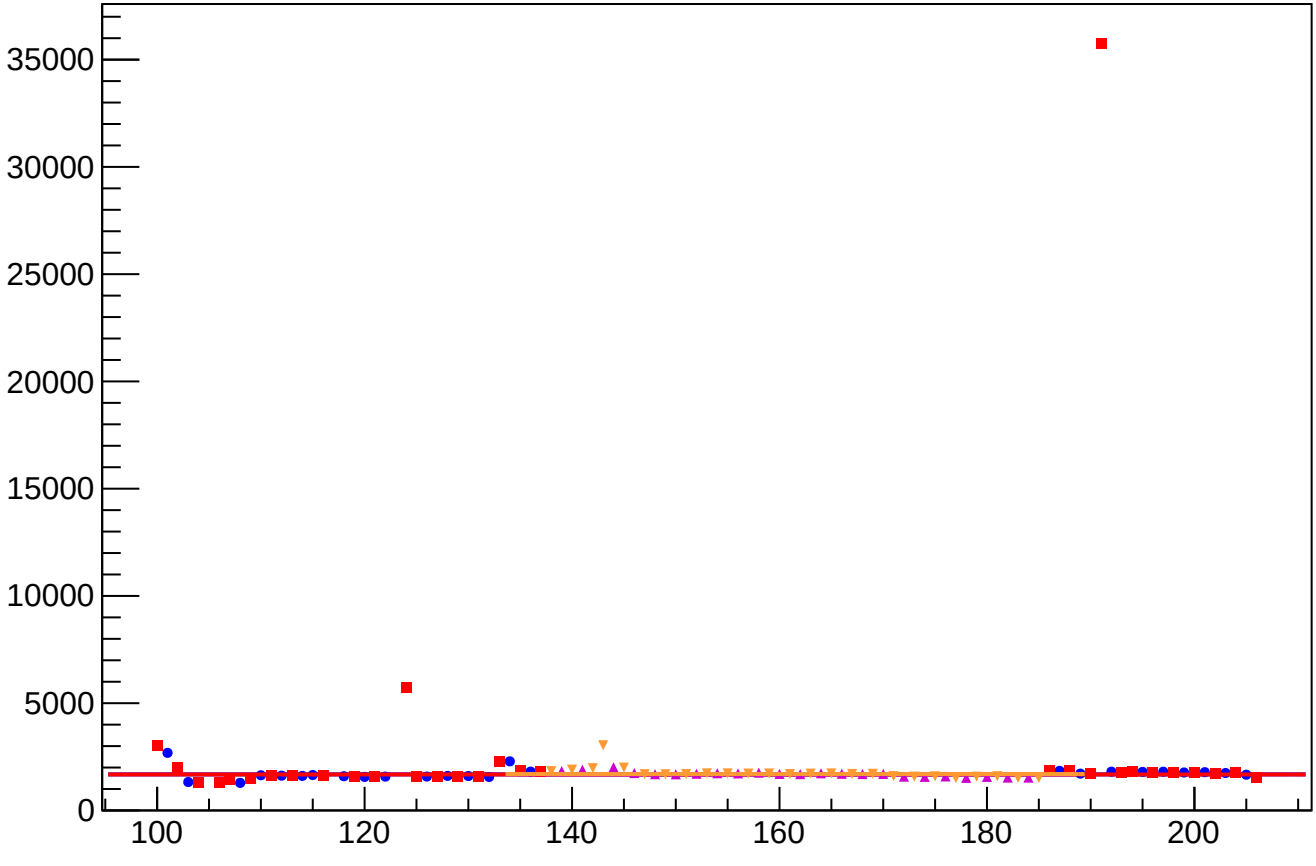
Right: 109.424+/-308.859 χ^2/NDF: 50.6/55

In: 442.568+/-297.067 χ^2/NDF:34.3/47

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 193.457+/-206.046 χ^2/NDF: 96.5/103

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

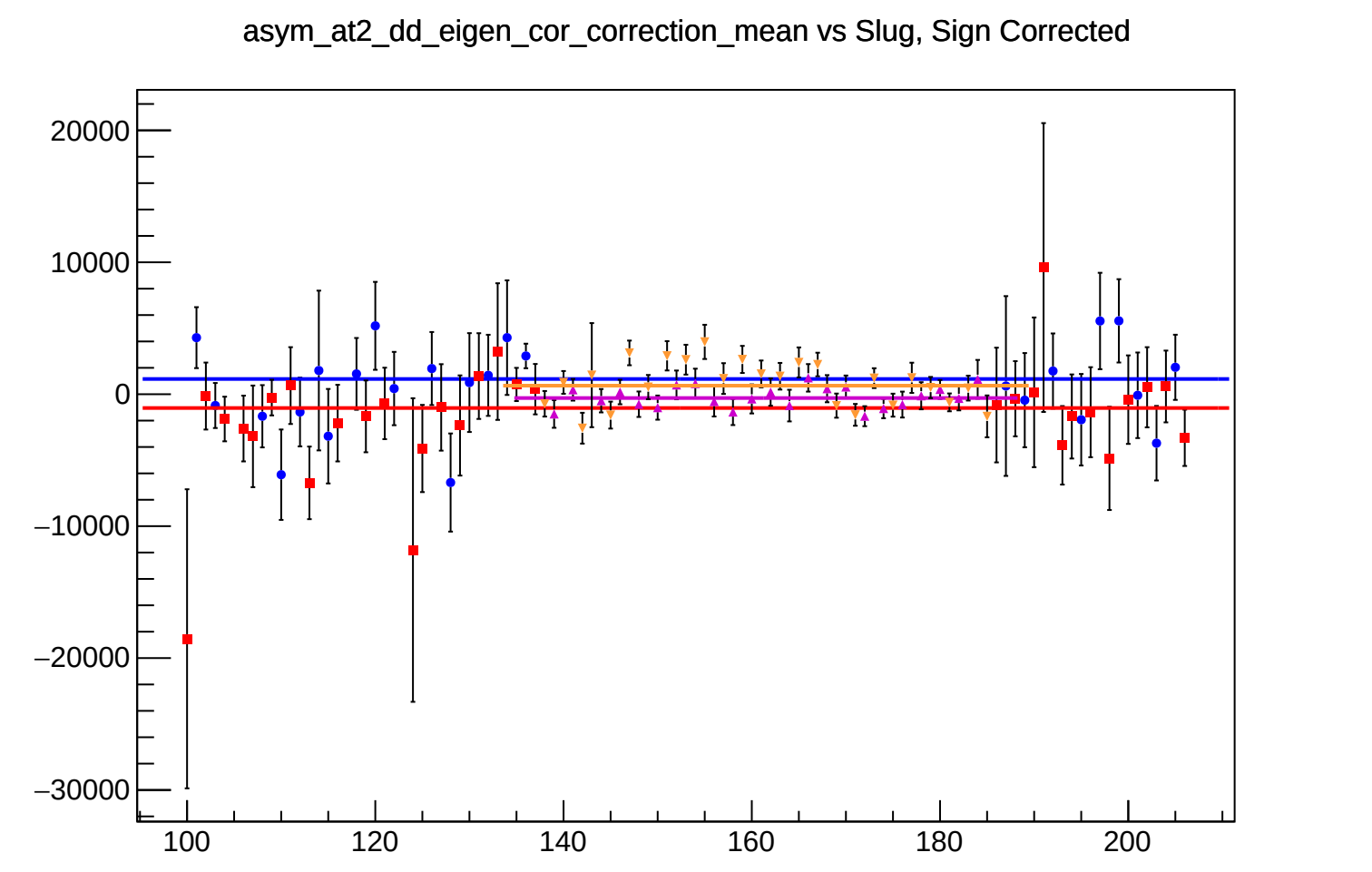
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1679.379+/-0.218 χ^2/NDF: 1163968.9/55

In: 1683.102+/-0.210 χ^2/NDF:635253.4/47

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1685.904+/-0.146 χ^2/NDF: 1827421.5/10



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1045.244+/-479.066 χ^2/NDF: 19.0/30

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

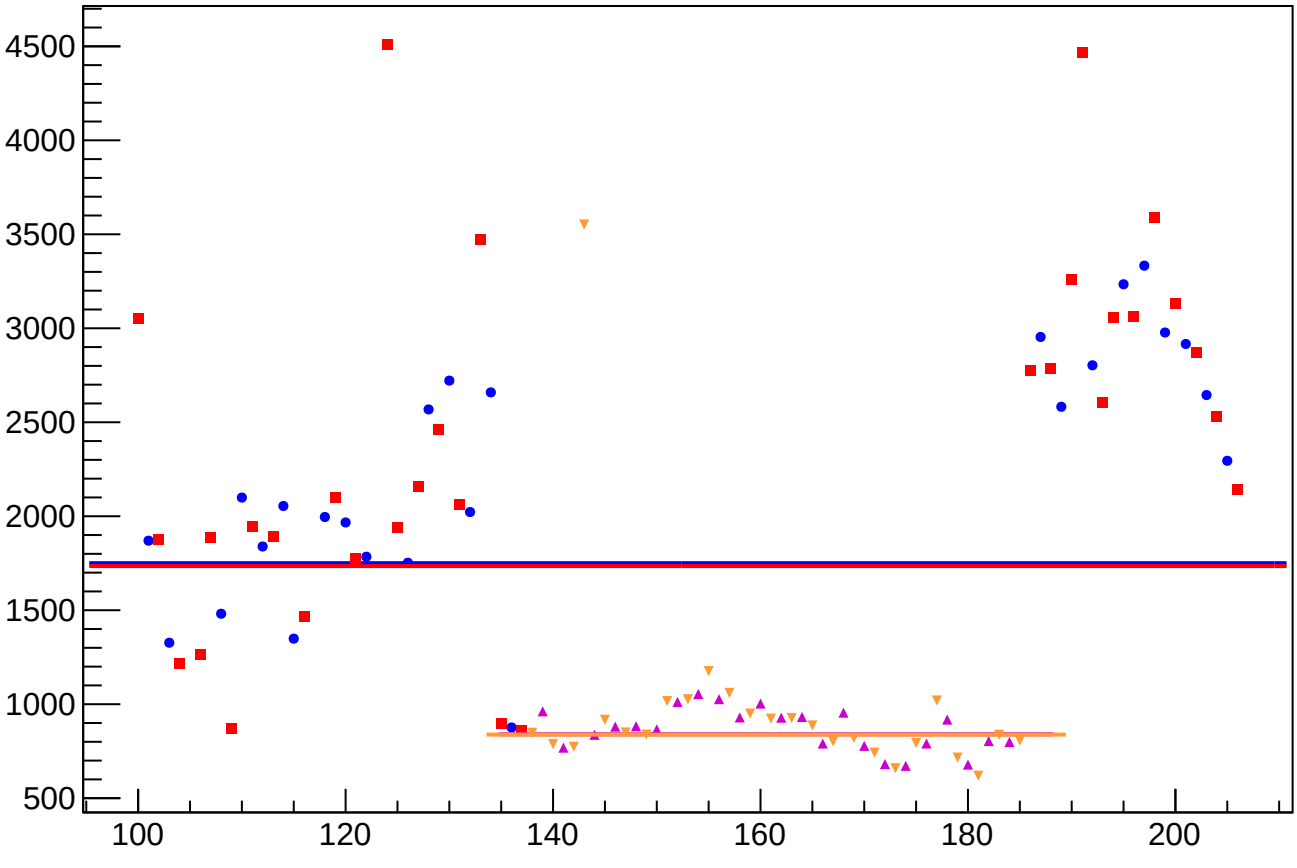
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: -12.303+/-348.917 χ^2/NDF: 58.3/55

In: -98.216+/-184.940 χ^2/NDF:52.9/47

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 159.579+/-129.410 χ^2/NDF: 152.0/103



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

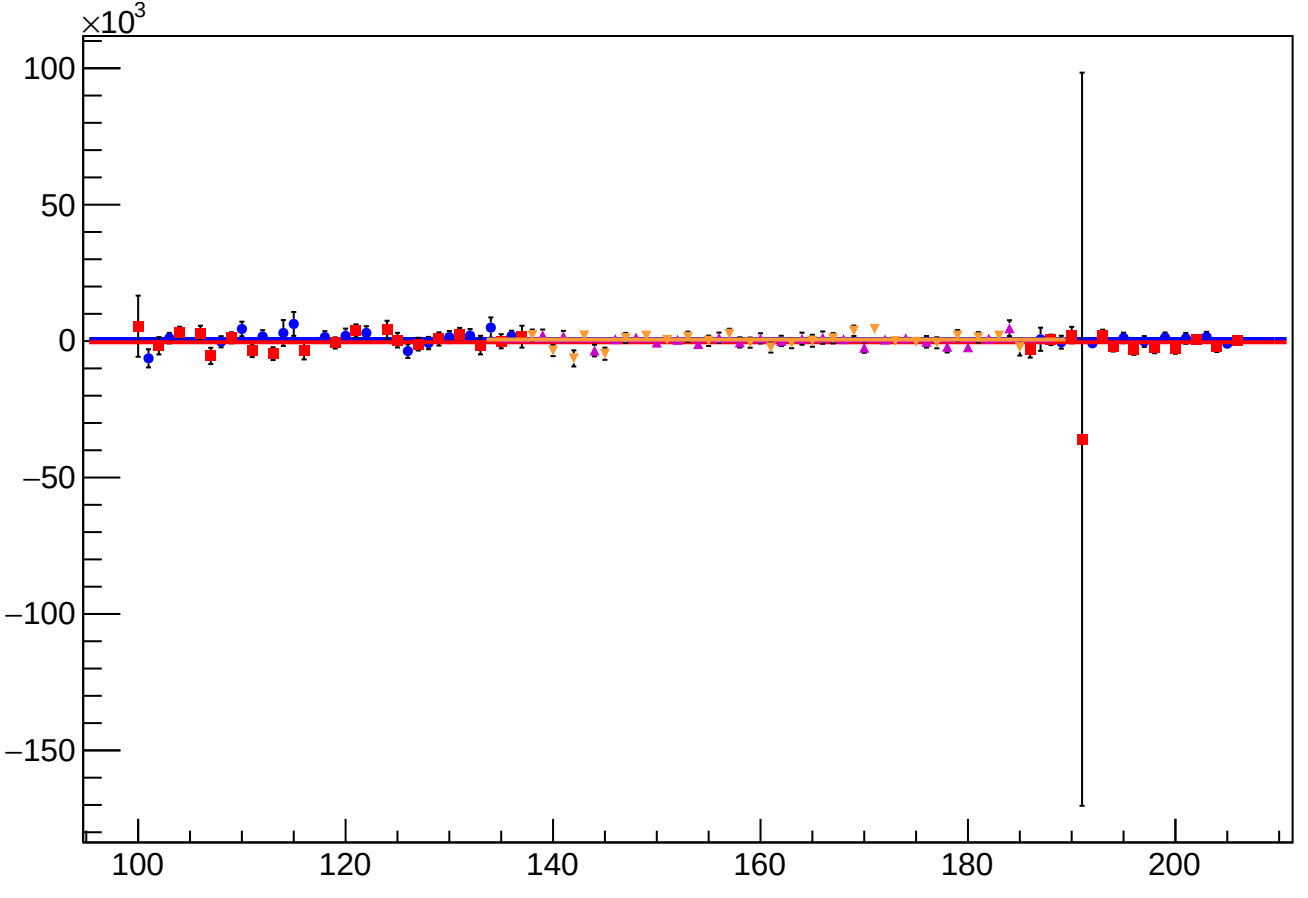
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1742.111+/-0.247 χ^2/NDF: 10140754.5/55

In: 960.065+/-0.131 χ^2/NDF:10595535.4/47

Out: 966.444+/-0.128 χ^2/NDF:13566648.4/55

All: 963.321+/-0.092 χ^2/NDF: 24163398.2/10



Right In: 777.879+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -420.727+/-423.713 χ^2/NDF: 31.1/30

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

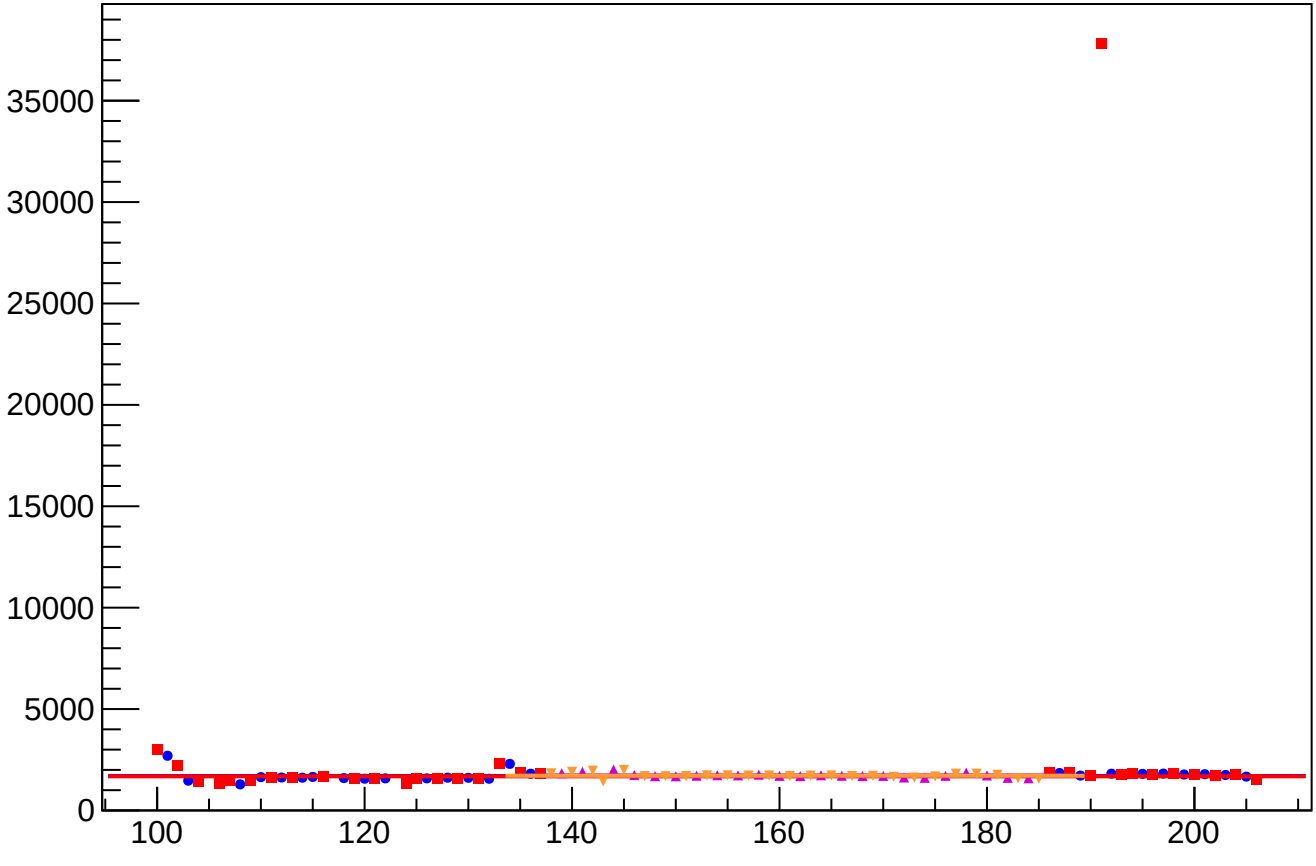
Right: 135.112+/-310.285 χ^2/NDF: 52.5/55

In: 446.487+/-302.327 χ^2/NDF:33.1/47

Out: 121.483+/-286.859 χ^2/NDF:66.0/55

All: 275.459+/-208.093 χ^2/NDF: 99.8/103

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1697.063+/-0.322 χ^2/NDF: 413596.1/24

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.2/30

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

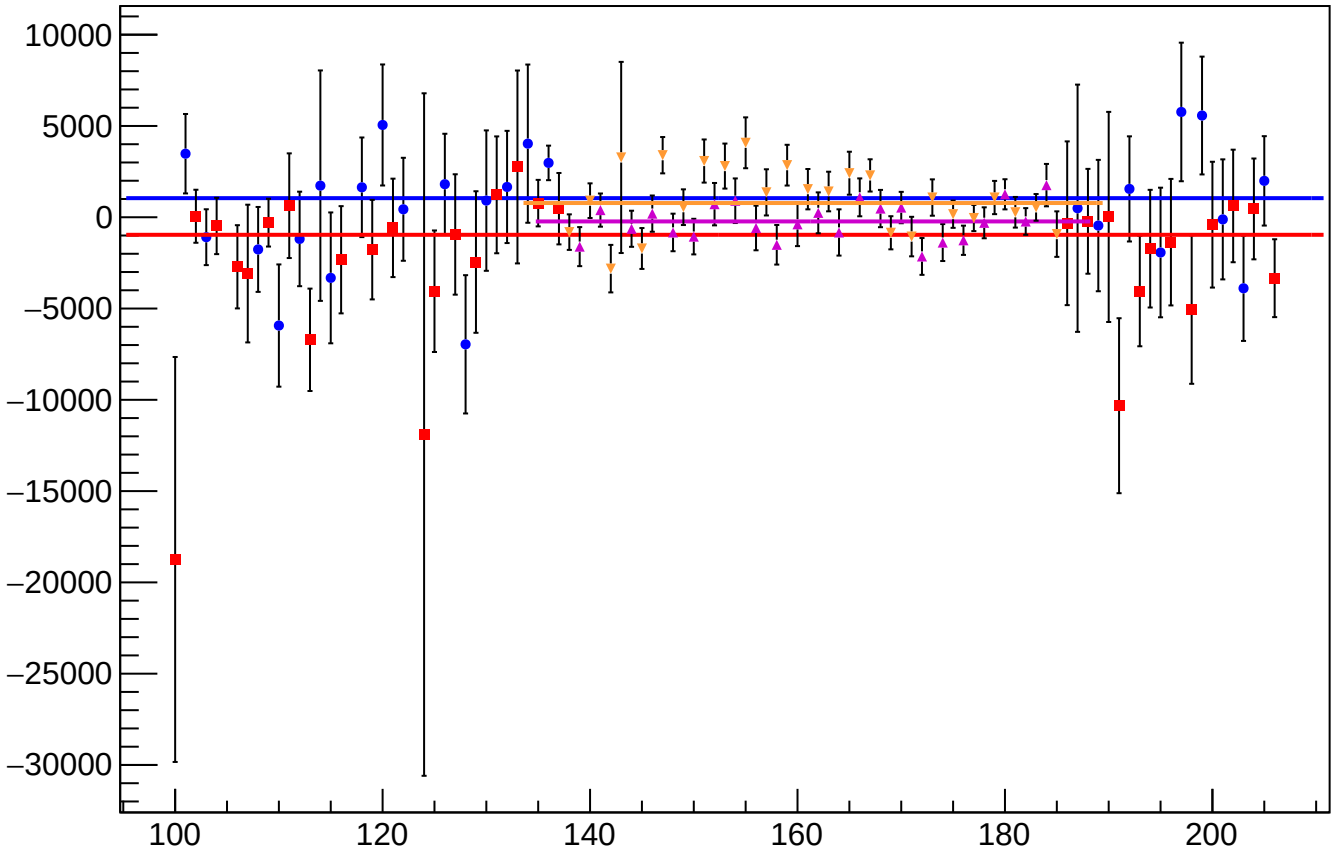
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1689.658+/-0.219 χ^2/NDF: 969643.3/55

In: 1714.331+/-0.214 χ^2/NDF:518954.7/47

Out: 1698.668+/-0.203 χ^2/NDF:727955.1/55

All: 1706.088+/-0.147 χ^2/NDF: 1249734.6/10



Right In: 1046.163+/-506.067 χ^2/NDF: 29.7/24

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -961.329+/-457.210 χ^2/NDF: 21.7/30

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

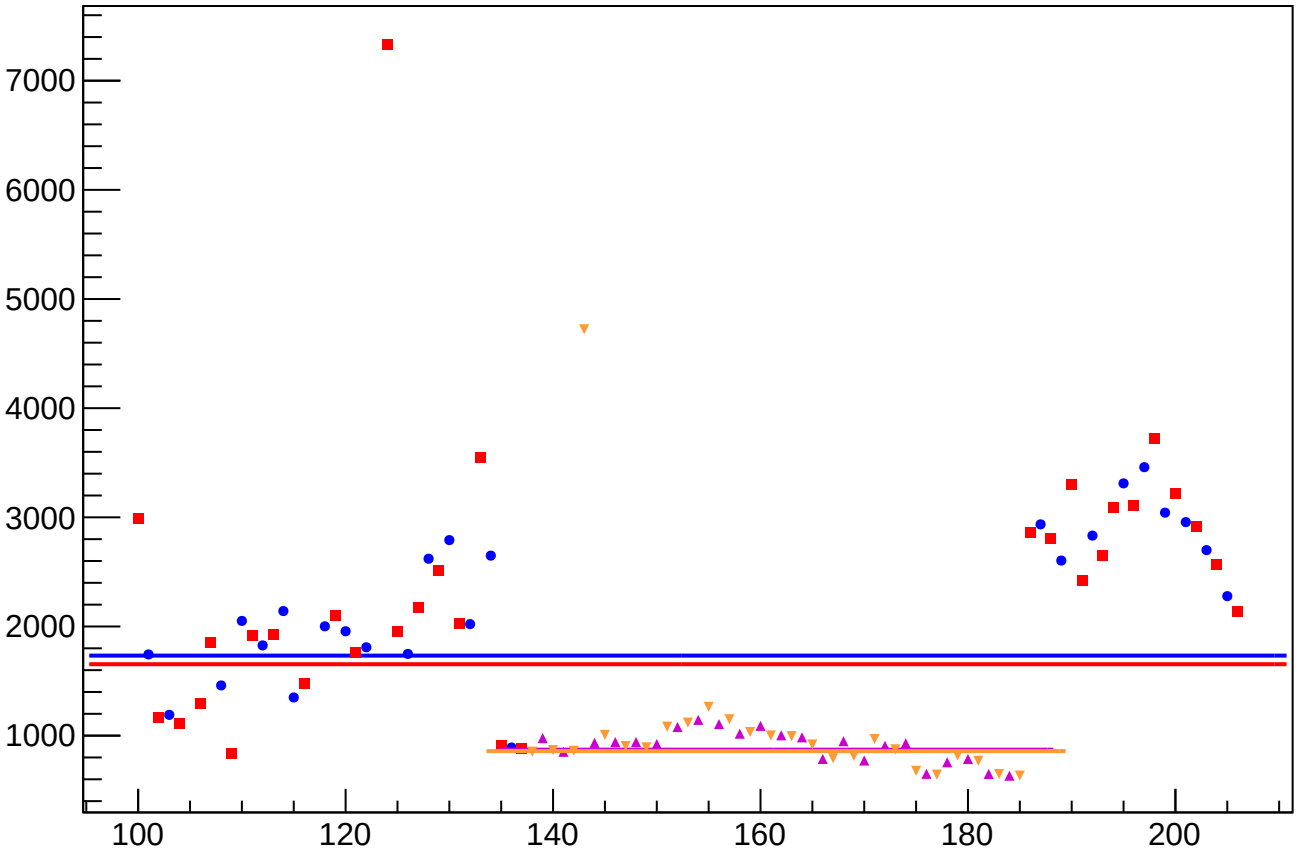
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: -59.141+/-339.258 χ^2/NDF: 60.0/55

In: -46.575+/-191.357 χ^2/NDF:57.7/47

Out: 495.598+/-184.495 χ^2/NDF:88.4/55

All: 234.405+/-132.817 χ^2/NDF: 150.3/103



Right In: 1733.142+/-0.358 χ^2/NDF: 4523589.7/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1654.345+/-0.323 χ^2/NDF: 6303531.2/30

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

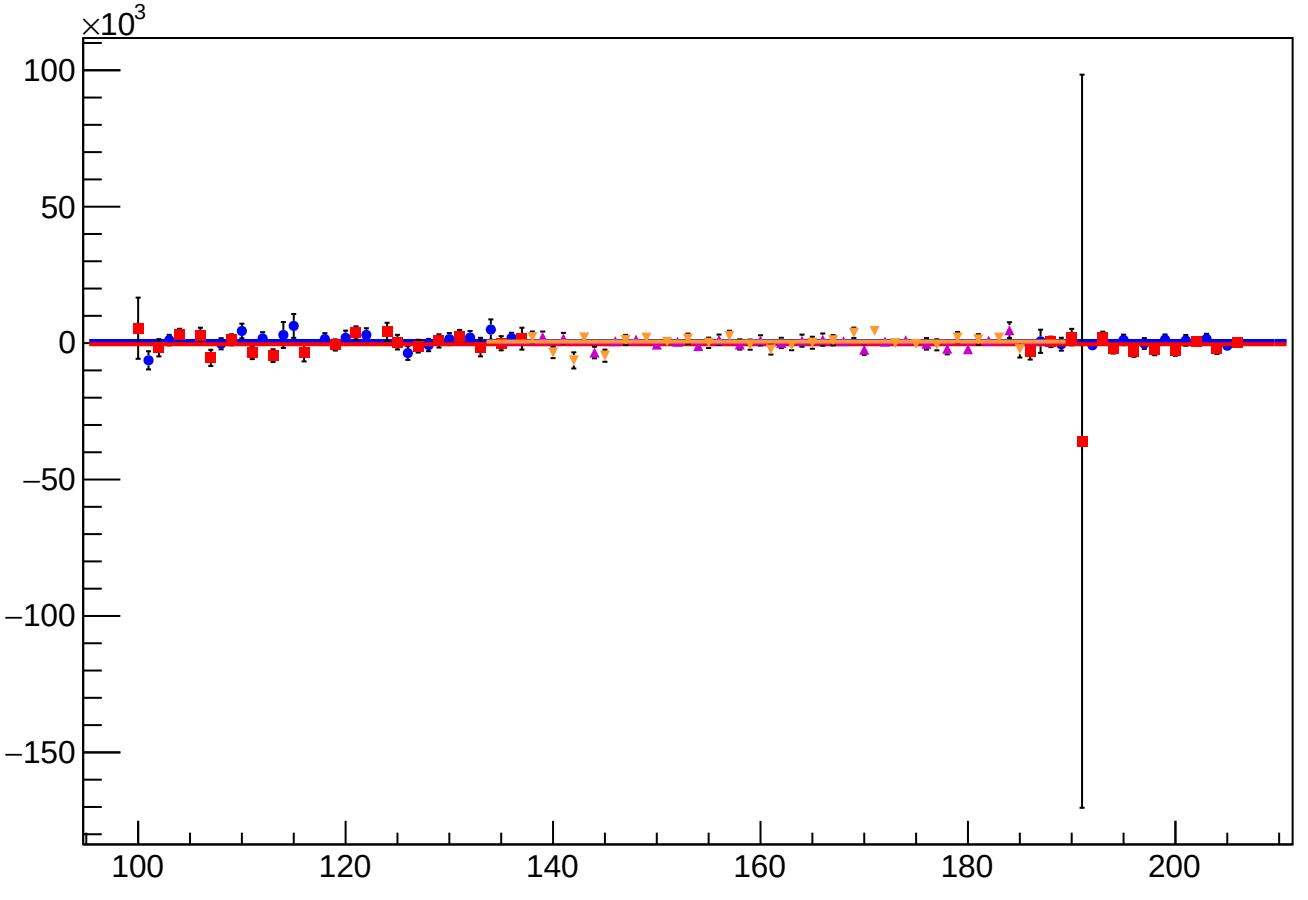
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1689.757+/-0.240 χ^2/NDF: 10853817.3/55

In: 994.719+/-0.135 χ^2/NDF:10471521.9/47

Out: 988.166+/-0.130 χ^2/NDF:13655163.3/55

All: 991.323+/-0.094 χ^2/NDF: 24127900.6/10



Right In: 777.880+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -420.725+/-423.713 χ^2/NDF: 31.1/30

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

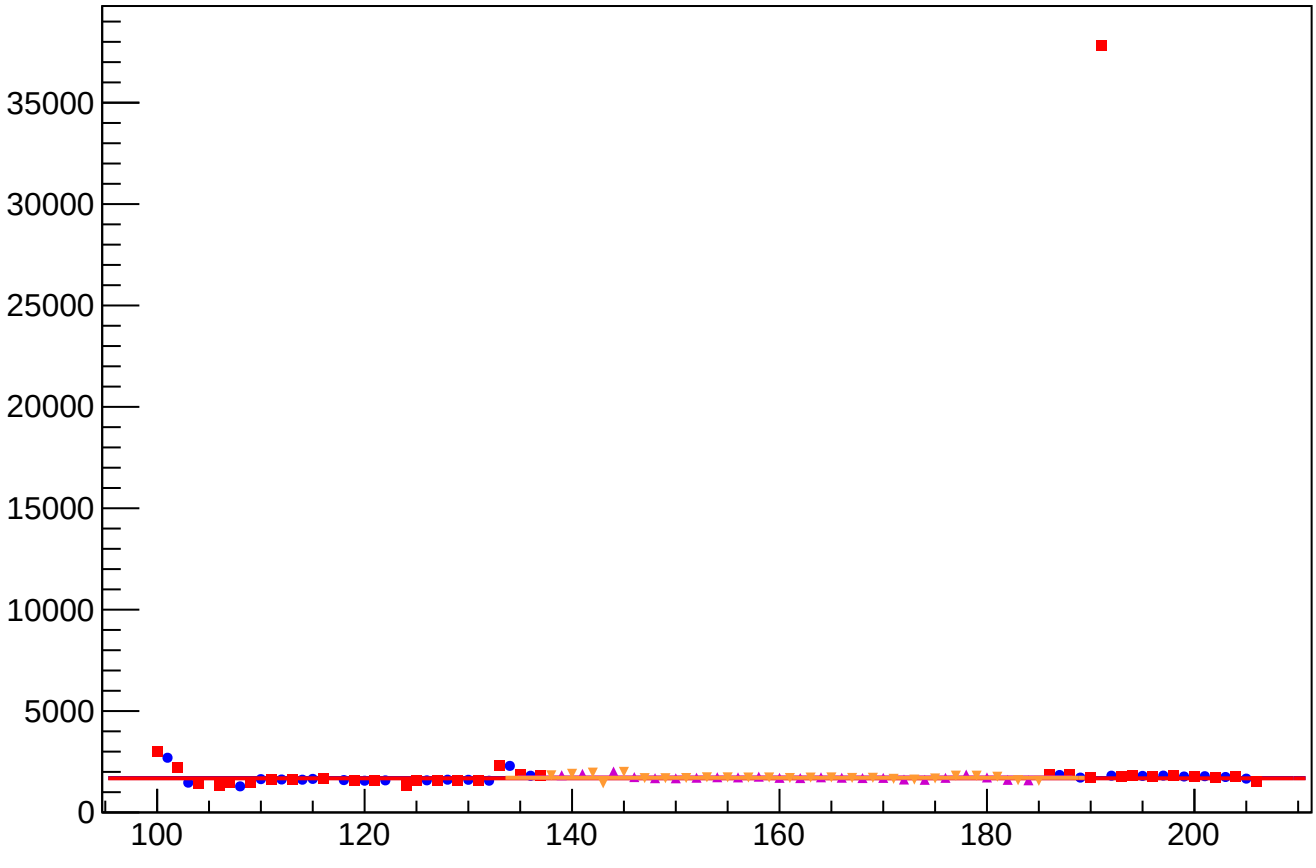
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 135.114+/-310.285 χ^2/NDF: 52.5/55

In: 446.488+/-302.327 χ^2/NDF:33.1/47

Out: 121.482+/-286.859 χ^2/NDF:66.0/55

All: 275.458+/-208.093 χ^2/NDF: 99.8/103



Right In: 1697.063+/-0.322 χ^2/NDF: 413595.8/24

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.3/30

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

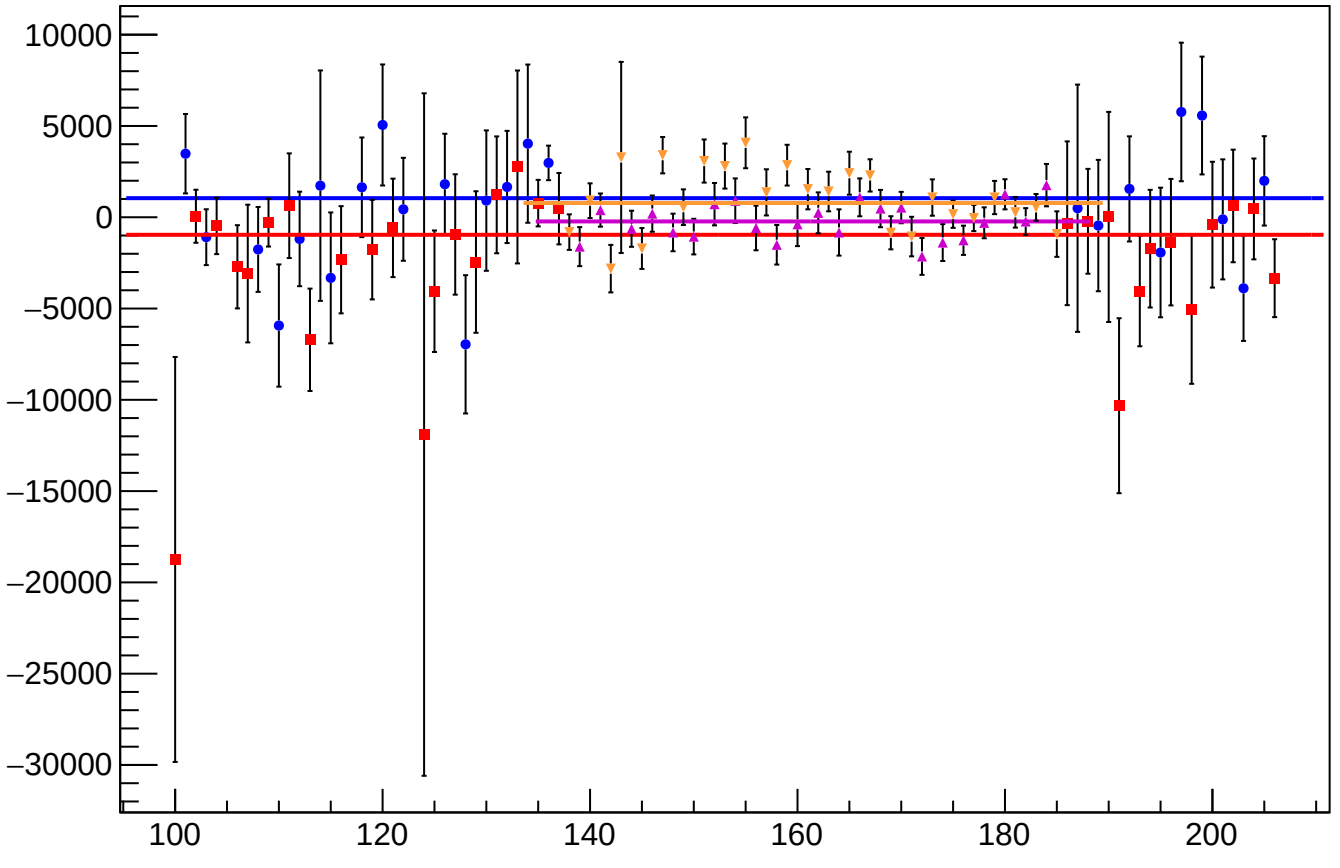
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1689.657+/-0.219 χ^2/NDF: 969643.2/55

In: 1714.330+/-0.214 χ^2/NDF:518954.4/47

Out: 1698.668+/-0.203 χ^2/NDF:727954.0/55

All: 1706.088+/-0.147 χ^2/NDF: 1249733.0/10



Right In: 1046.154+/-506.070 χ^2/NDF: 29.7/24

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -961.344+/-457.213 χ^2/NDF: 21.7/30

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

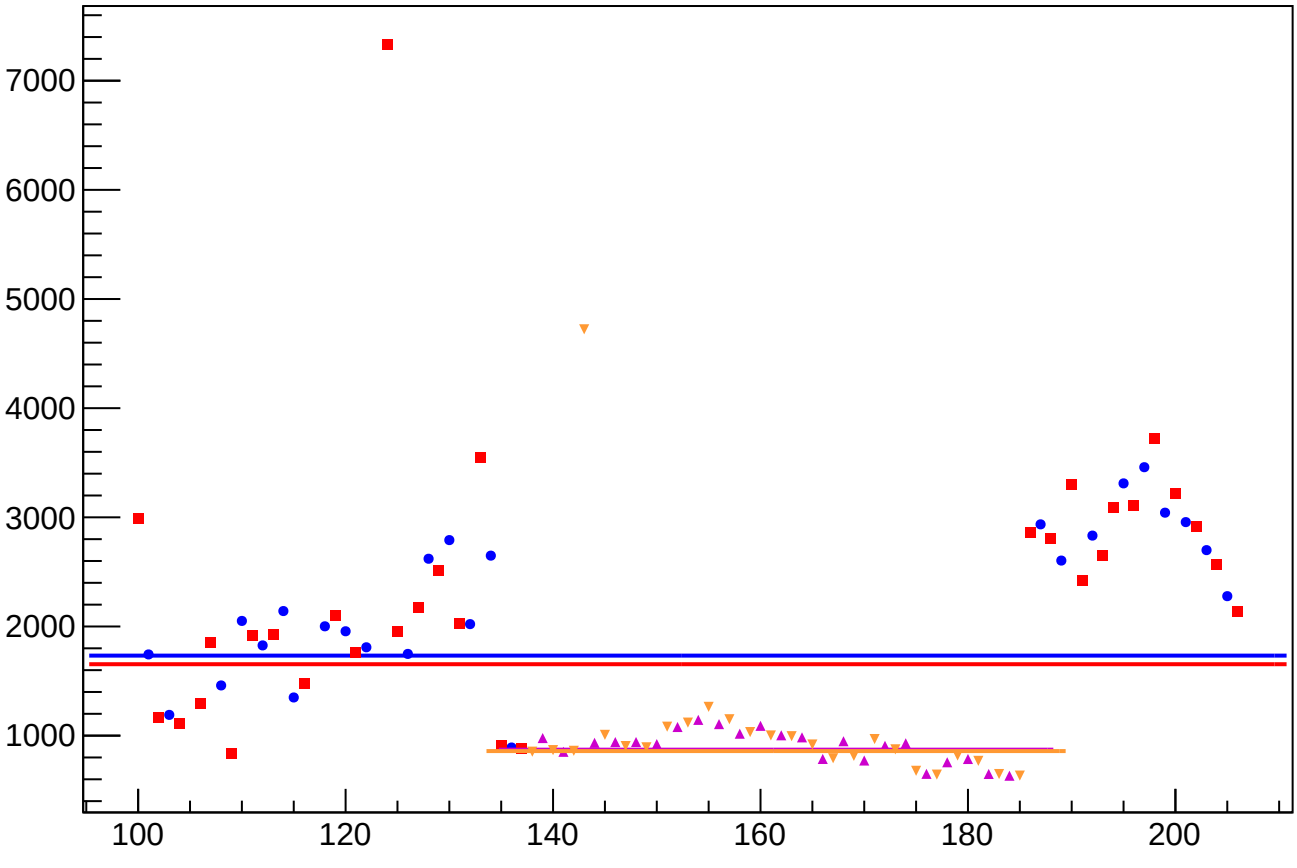
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -59.153+/-339.260 χ^2/NDF: 60.0/55

In: -46.577+/-191.357 χ^2/NDF:57.7/47

Out: 495.600+/-184.495 χ^2/NDF:88.4/55

All: 234.406+/-132.817 χ^2/NDF: 150.3/103



Right In: 1733.157+/-0.358 χ^2/NDF: 4523433.8/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1654.359+/-0.323 χ^2/NDF: 6303382.2/30

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

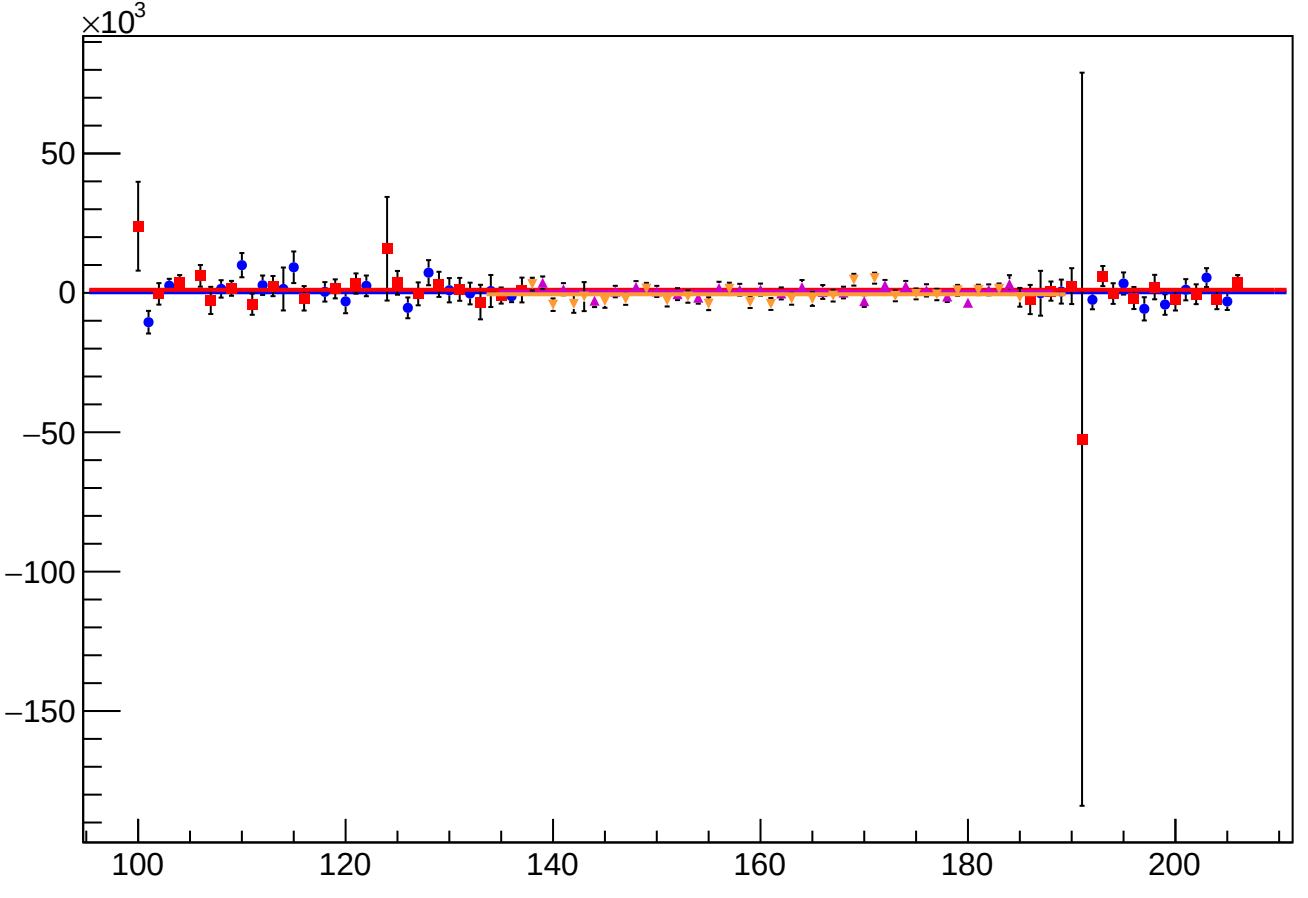
Right: 1689.771+/-0.240 χ^2/NDF: 10853513.2/55

In: 994.719+/-0.135 χ^2/NDF:10471512.2/47

Out: 988.167+/-0.130 χ^2/NDF:13655130.4/55

All: 991.324+/-0.094 χ^2/NDF: 24127857.5/10

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 218.853+/-740.506 χ^2/NDF: 30.6/24

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1103.620+/-697.748 χ^2/NDF: 17.5/30

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

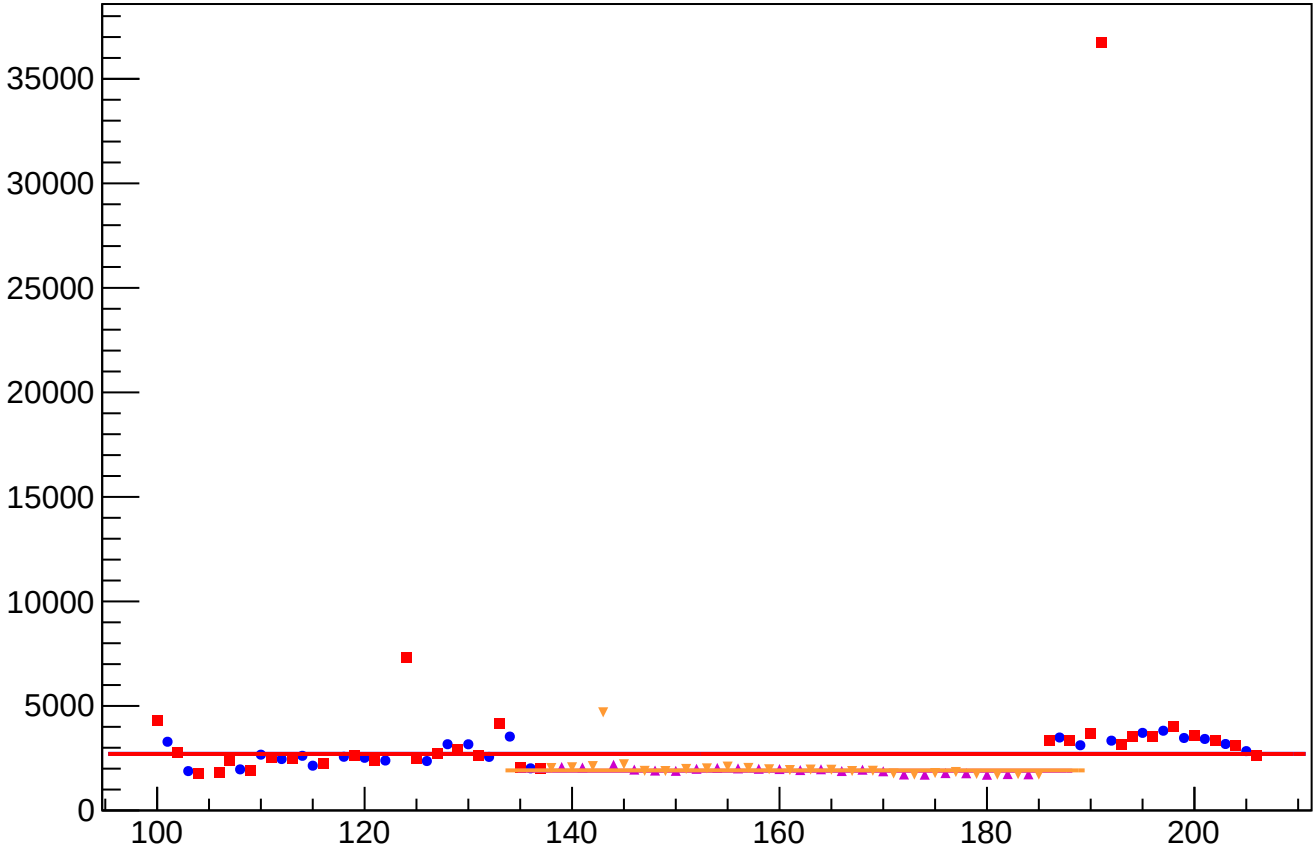
Right: 687.516+/-507.826 χ^2/NDF: 48.8/55

In: 360.330+/-381.157 χ^2/NDF:49.5/47

Out: -44.953+/-372.129 χ^2/NDF:57.2/55

All: 152.832+/-266.269 χ^2/NDF: 107.2/103

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2708.096+/-0.524 χ^2/NDF: 1315607.2/24

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2703.276+/-0.493 χ^2/NDF: 1945060.0/30

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

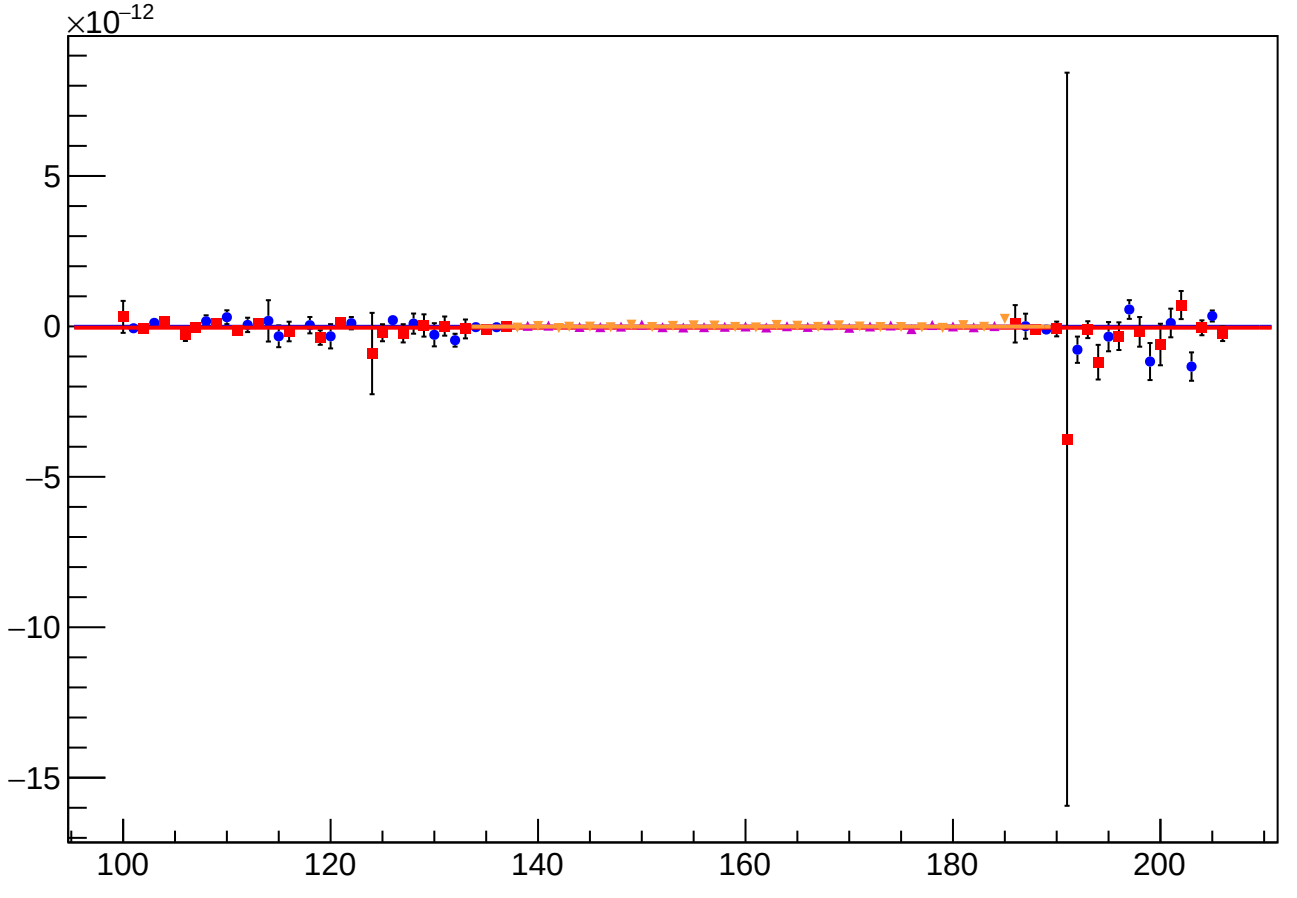
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2705.543+/-0.359 χ^2/NDF: 3260712.1/55

In: 2113.544+/-0.270 χ^2/NDF:3242993.8/47

Out: 2140.762+/-0.263 χ^2/NDF:4518042.8/55

All: 2127.479+/-0.188 χ^2/NDF: 7766258.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

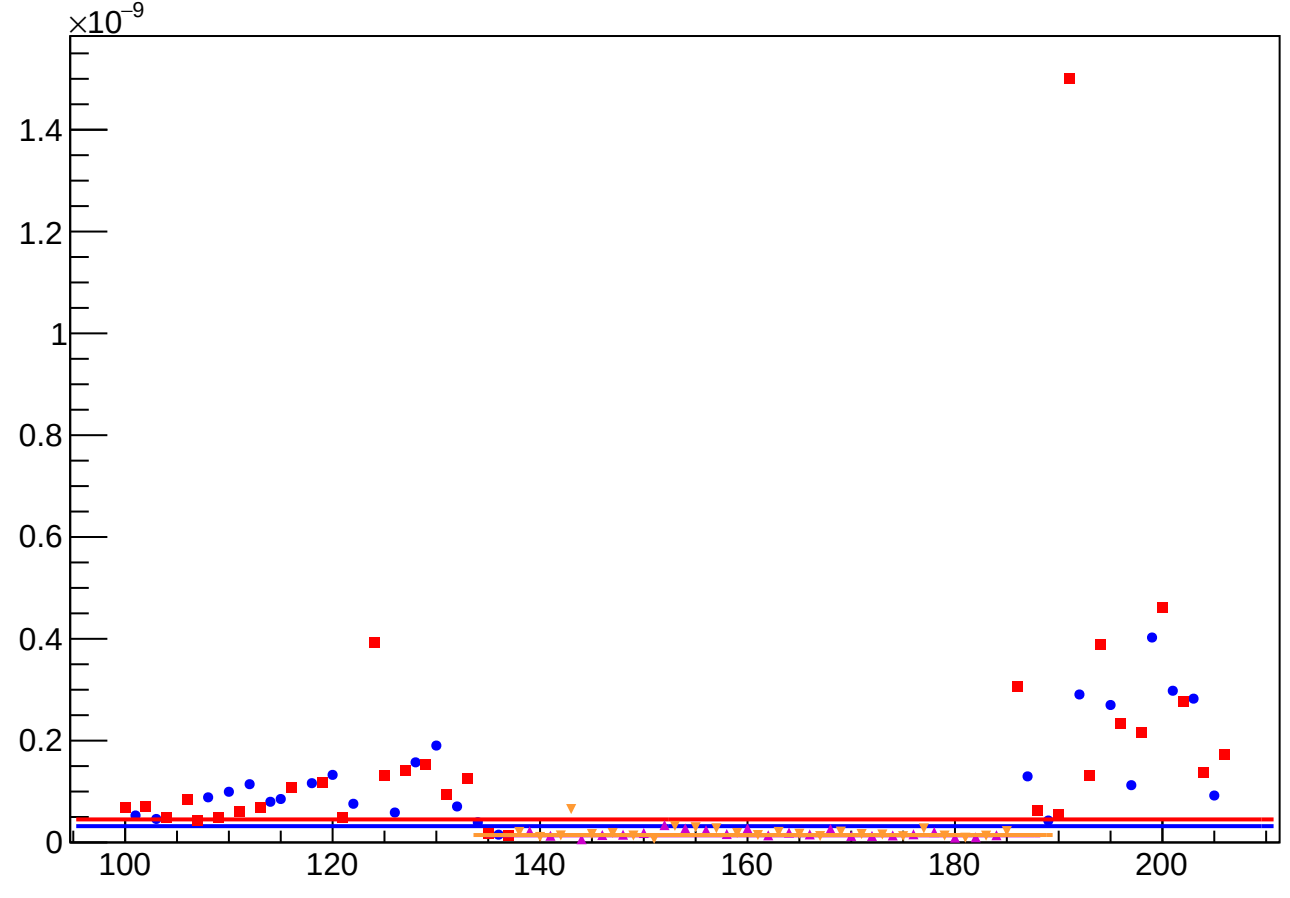
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.2/55

In: -0.000+/-0.000 χ^2/NDF:62.5/47

Out: -0.000+/-0.000 χ^2/NDF:54.4/55

All: -0.000+/-0.000 χ^2/NDF: 116.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 6376643.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6569679.2/30

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

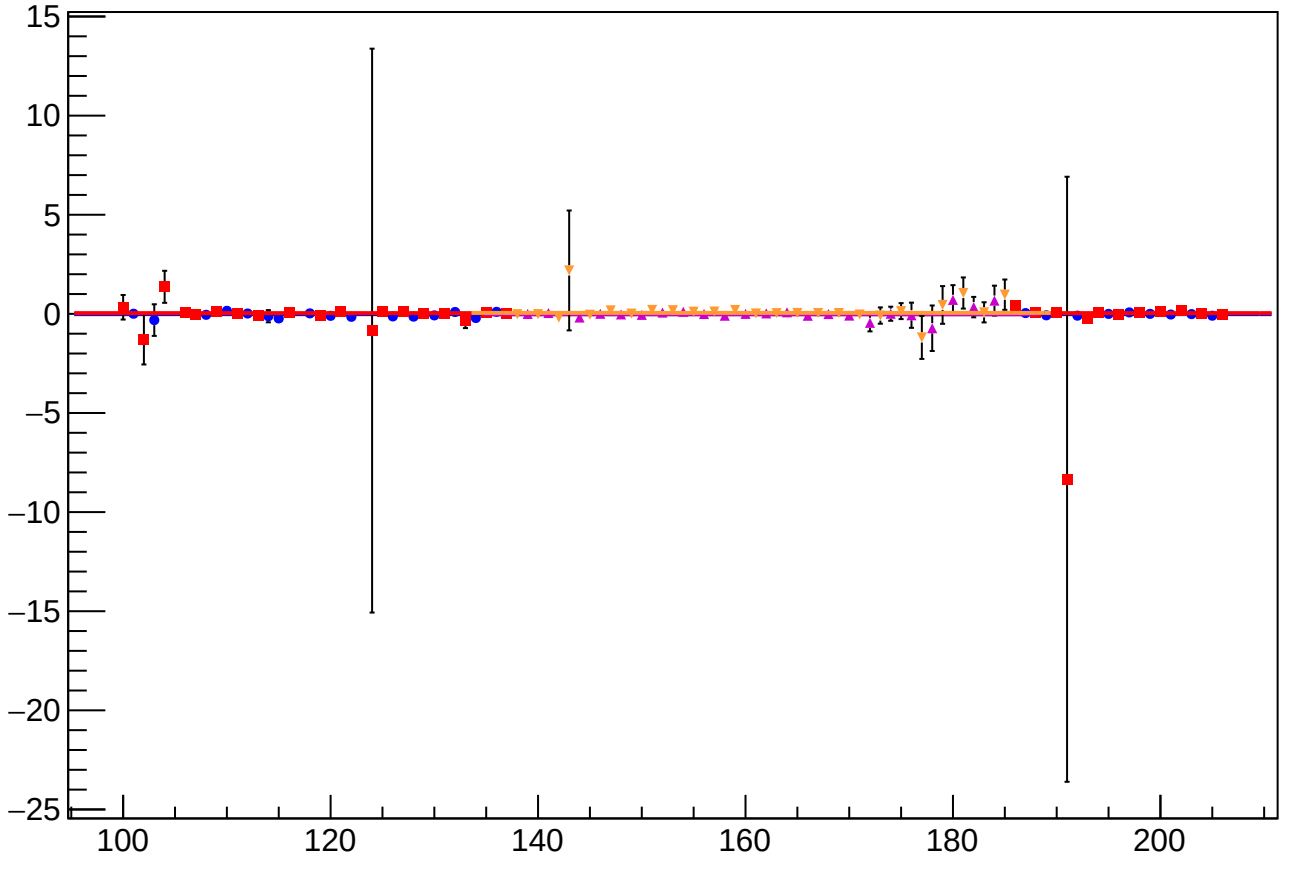
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13245897.0/55

In: 0.000+/-0.000 χ^2/NDF:9624315.4/47

Out: 0.000+/-0.000 χ^2/NDF:10995713.2/55

All: 0.000+/-0.000 χ^2/NDF: 20641392.1/103



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

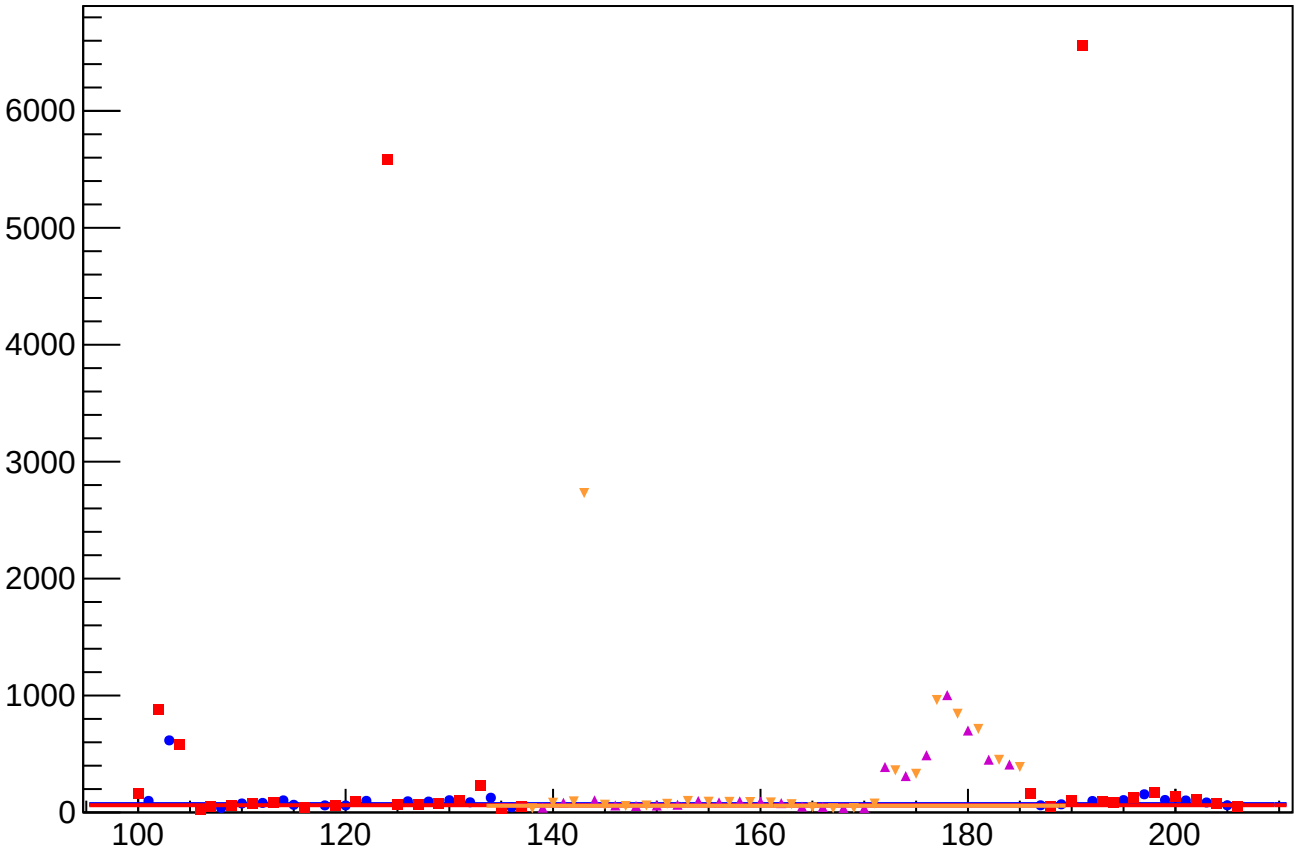
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.015+/-0.014 χ^2/NDF: 44.6/55

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.015+/-0.009 χ^2/NDF: 92.6/103



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

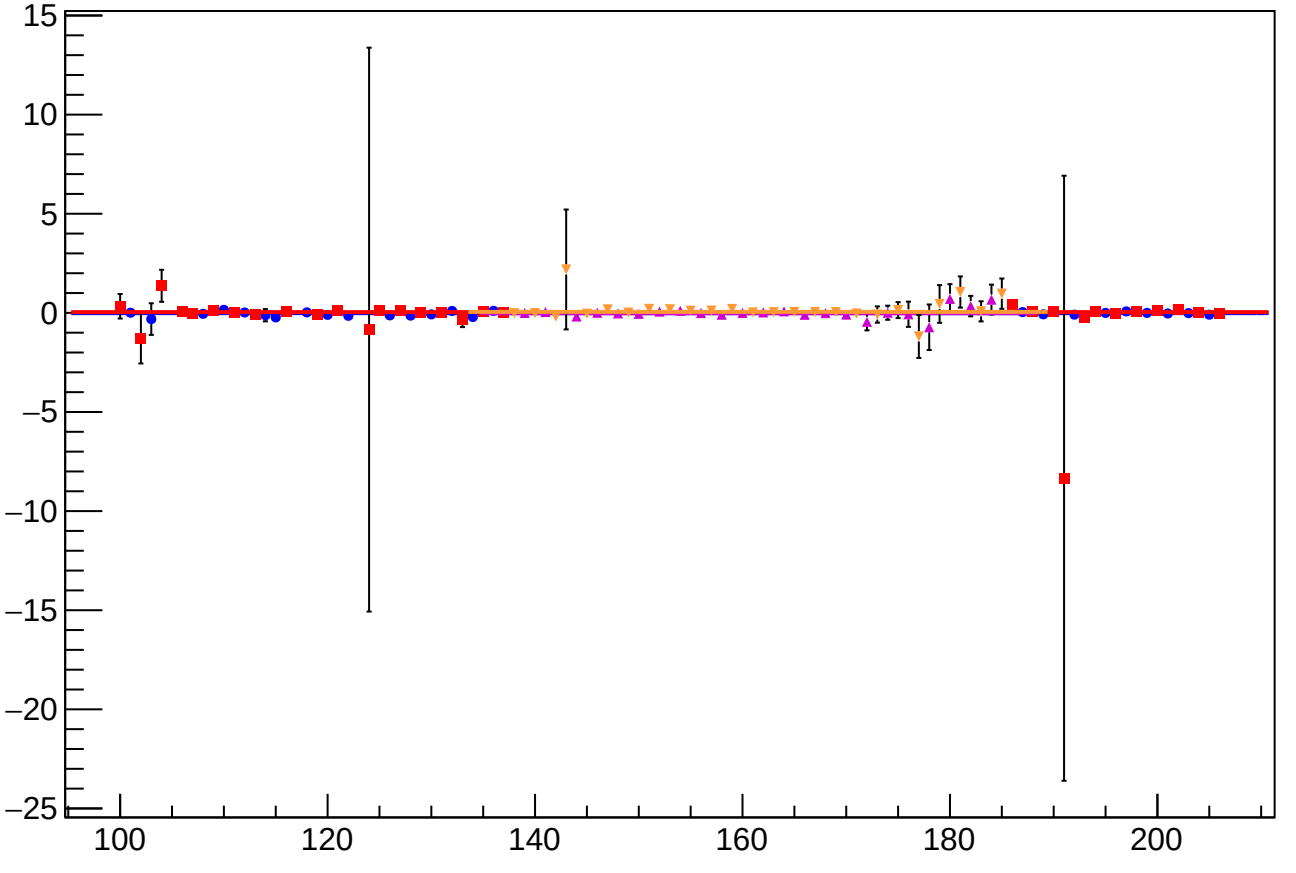
Right: 66.040+/-0.010 χ^2/NDF: 11264966.4/55

In: 63.606+/-0.009 χ^2/NDF:14456217.1/47

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 61.356+/-0.006 χ^2/NDF: 34223904.8/103

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

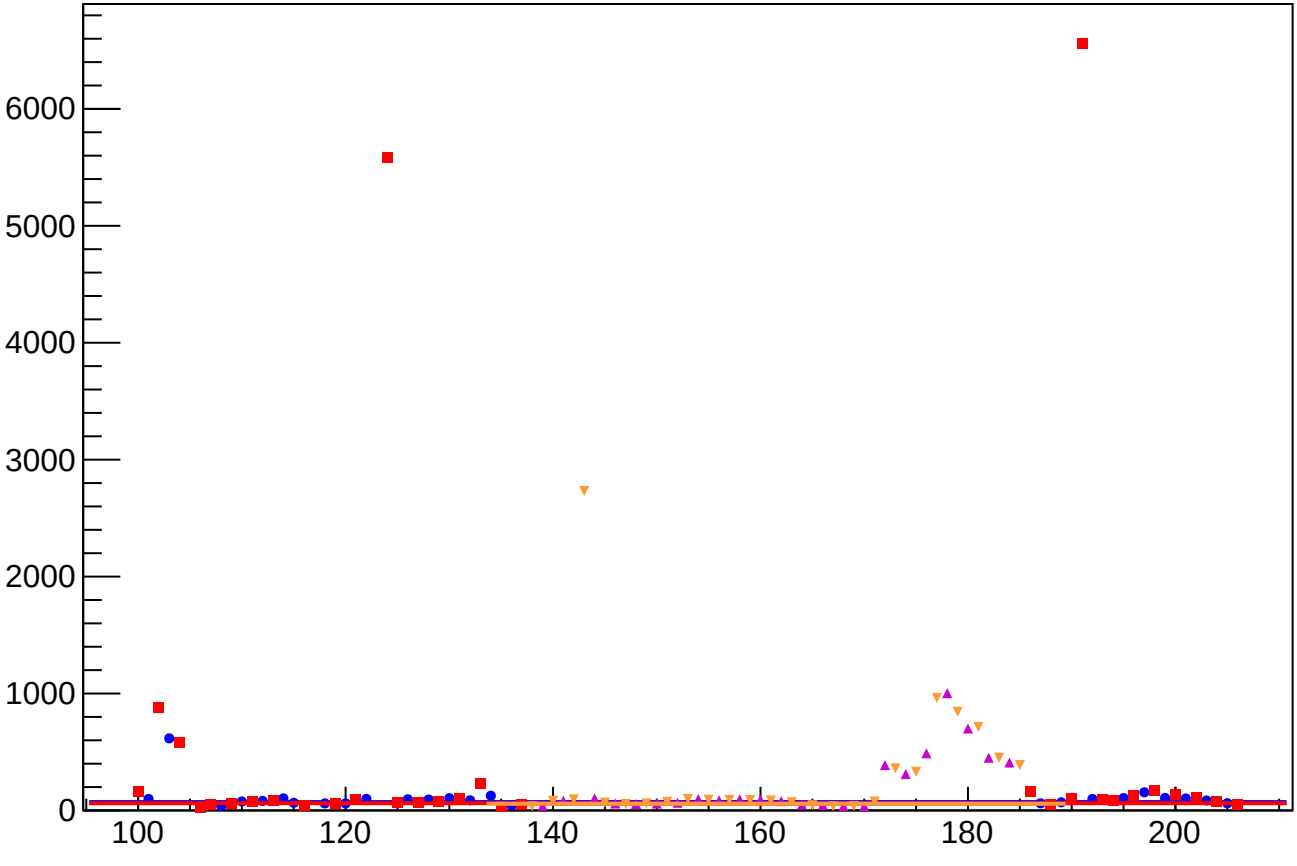
Right: 0.015+/-0.014 χ^2/NDF: 44.6/55

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.015+/-0.009 χ^2/NDF: 92.6/103

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

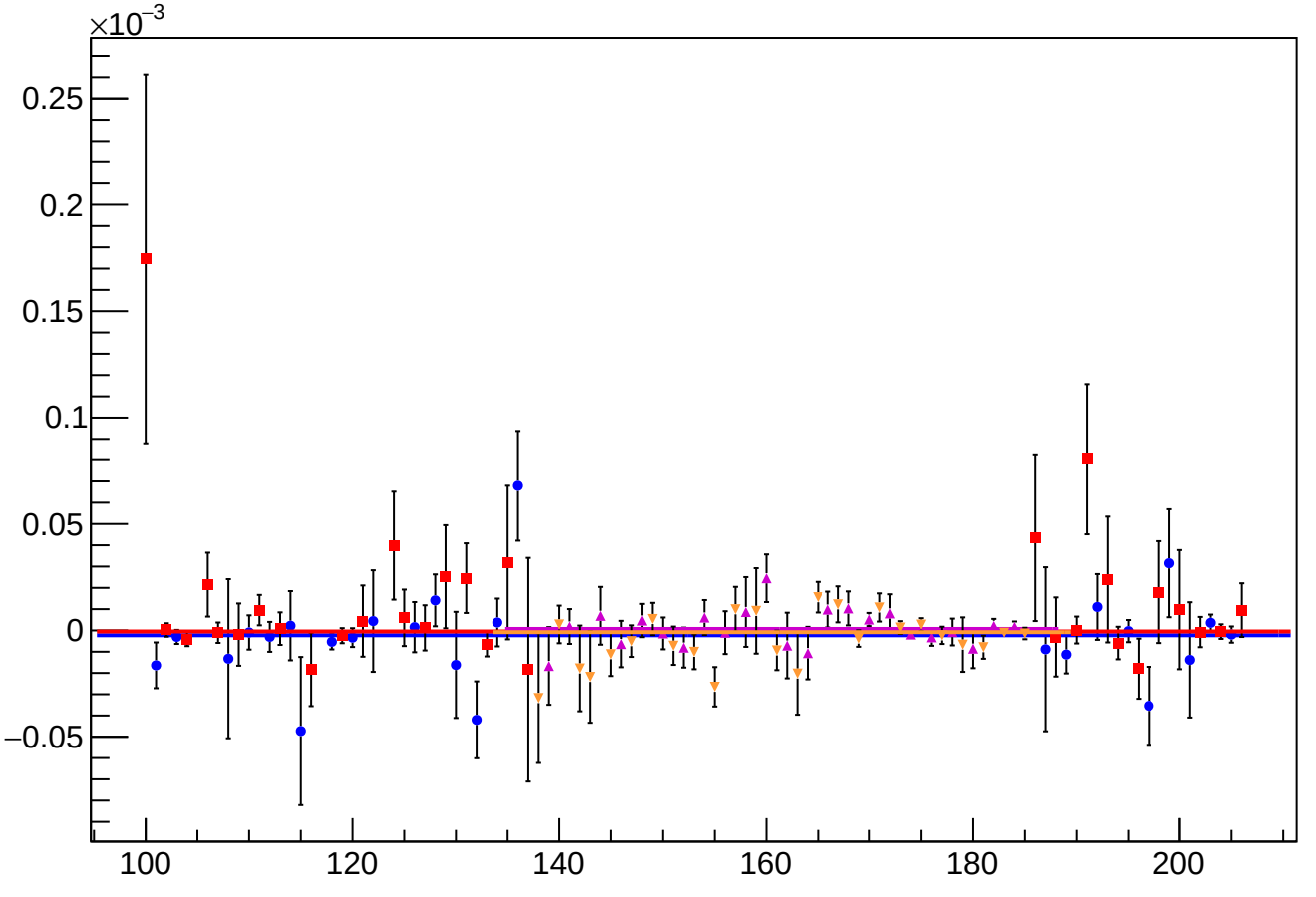
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 66.040+/-0.010 χ^2/NDF: 11264966.4/55

In: 63.606+/-0.009 χ^2/NDF:14456217.1/47

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 61.356+/-0.006 χ^2/NDF: 34223904.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

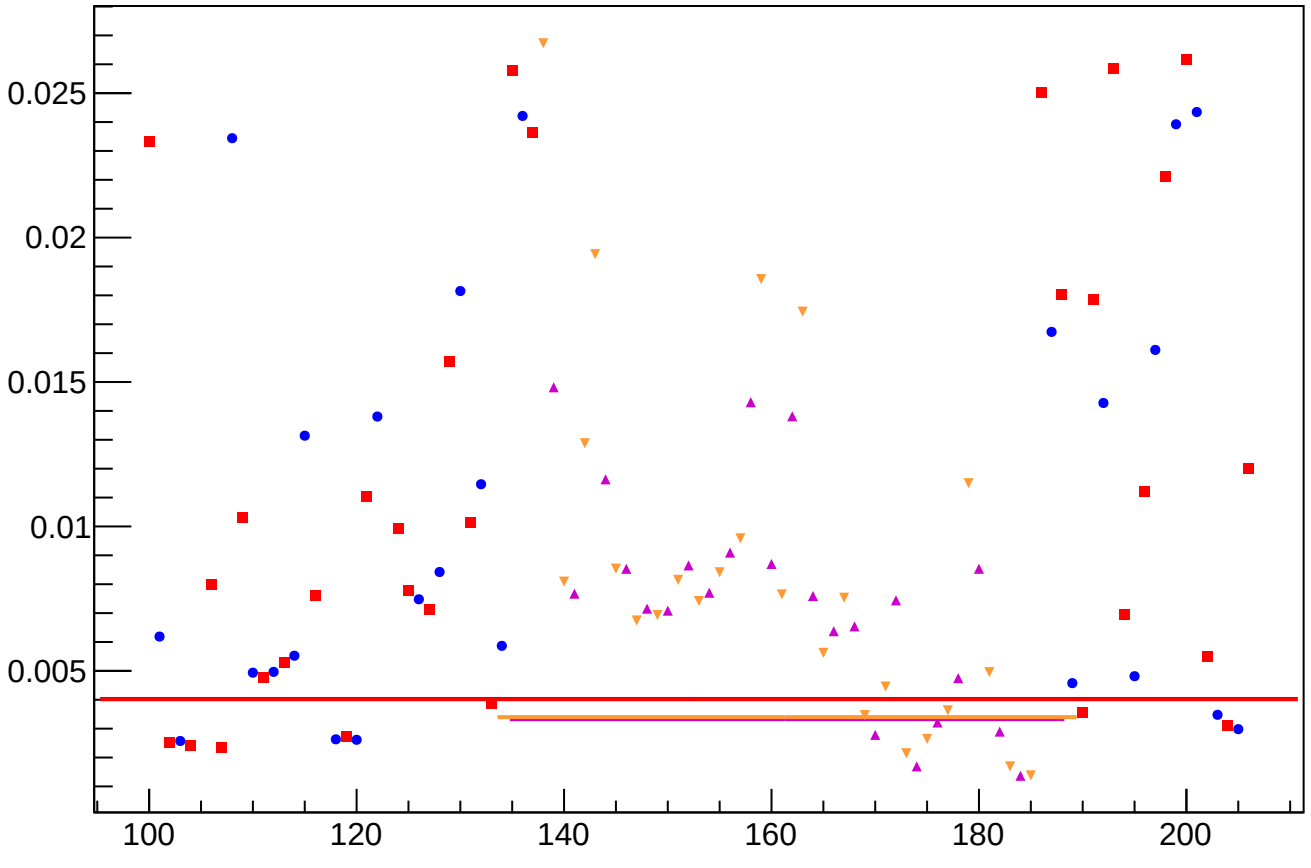
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.4/55

In: -0.000+/-0.000 χ^2/NDF:50.4/47

Out: -0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 113.1/103



Right In: 0.004+/-0.000 χ^2/NDF: 9320396.4/24

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 12103322.3/30

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

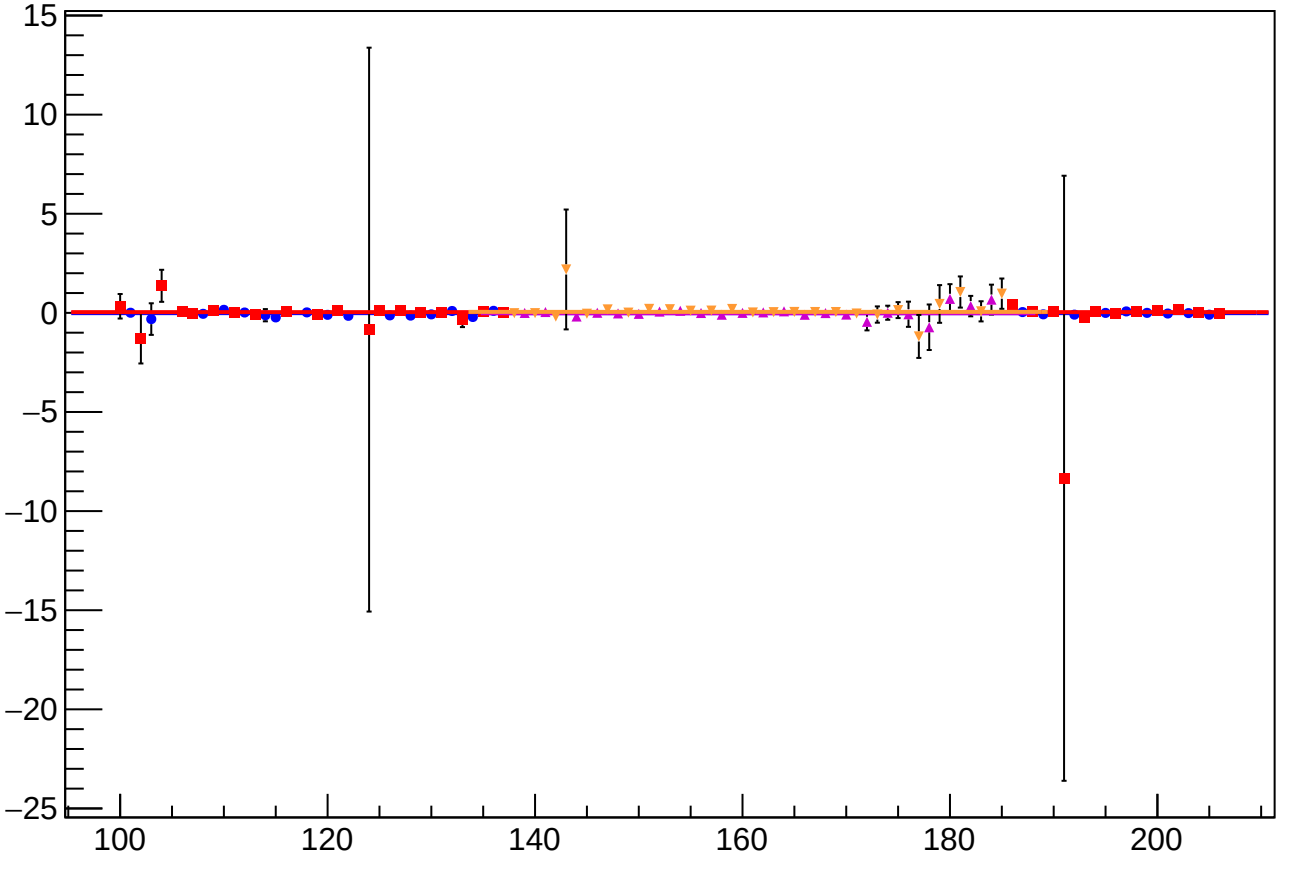
Right: 0.004+/-0.000 χ^2/NDF: 21423759.8/55

In: 0.004+/-0.000 χ^2/NDF:22201060.9/47

Out: 0.004+/-0.000 χ^2/NDF:26631532.7/55

All: 0.004+/-0.000 χ^2/NDF: 48838011.7/103

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

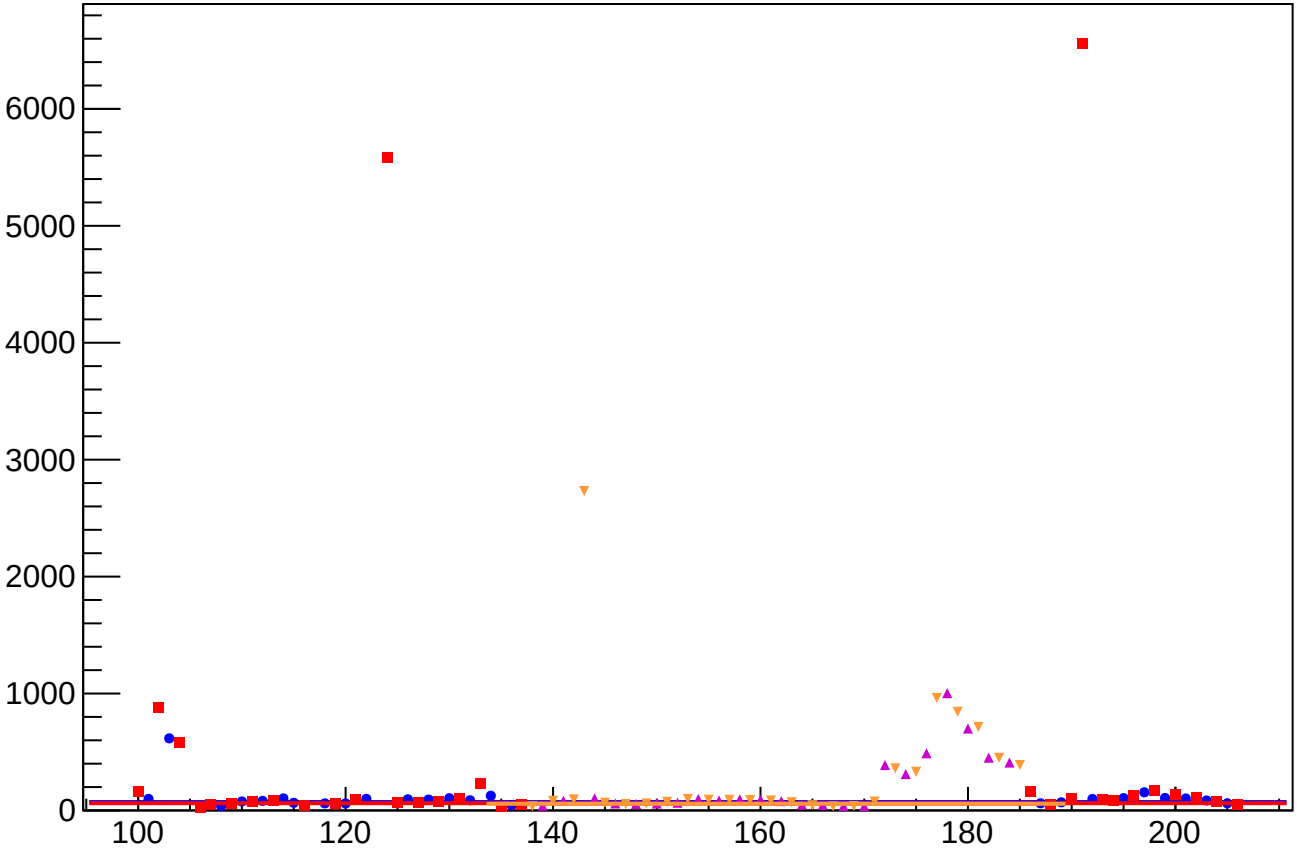
Right: 0.015+/-0.014 χ^2/NDF: 44.6/55

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.015+/-0.009 χ^2/NDF: 92.6/103

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

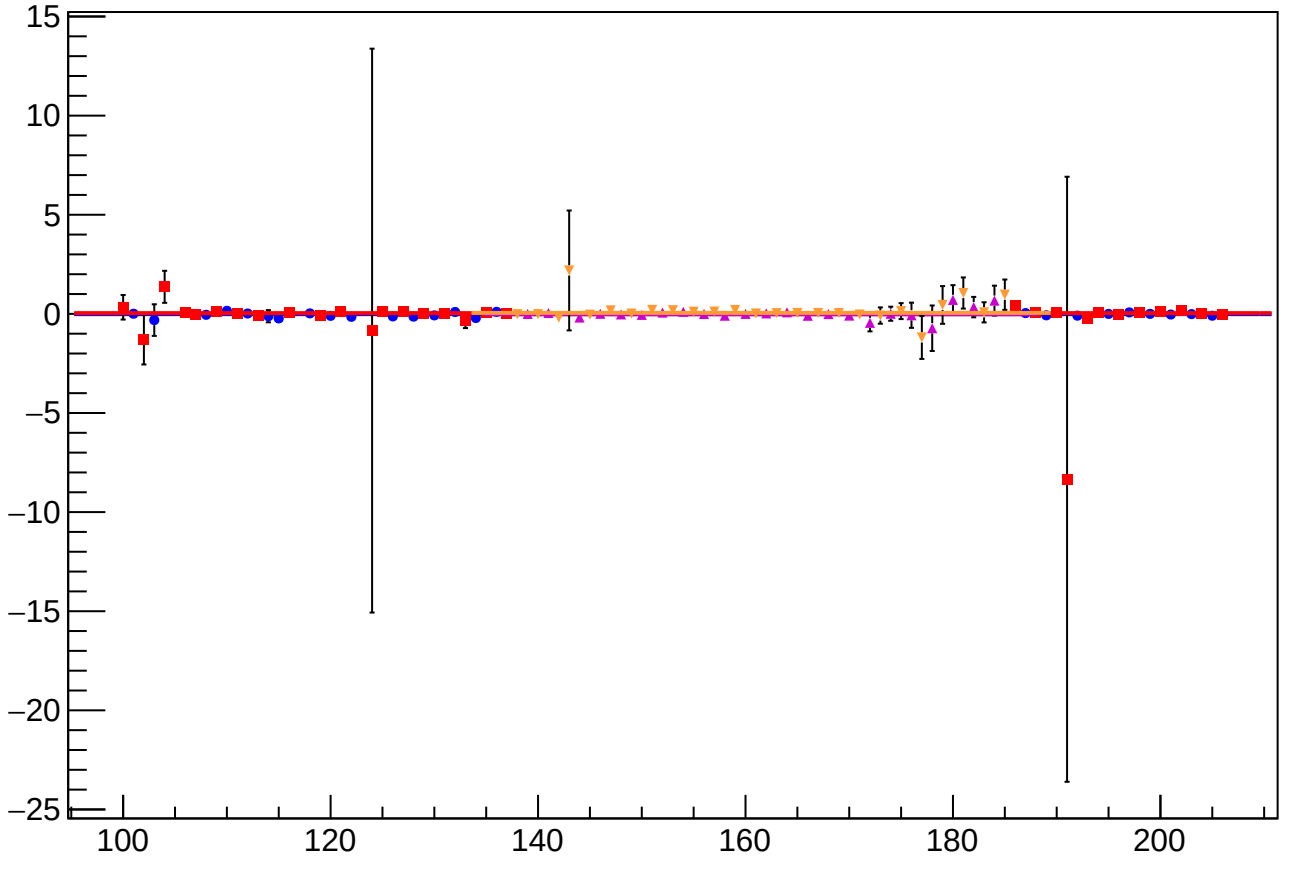
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 66.039+/-0.010 χ^2/NDF: 11265058.1/55

In: 63.610+/-0.009 χ^2/NDF:14454612.1/47

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 61.356+/-0.006 χ^2/NDF: 34223209.1/103



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

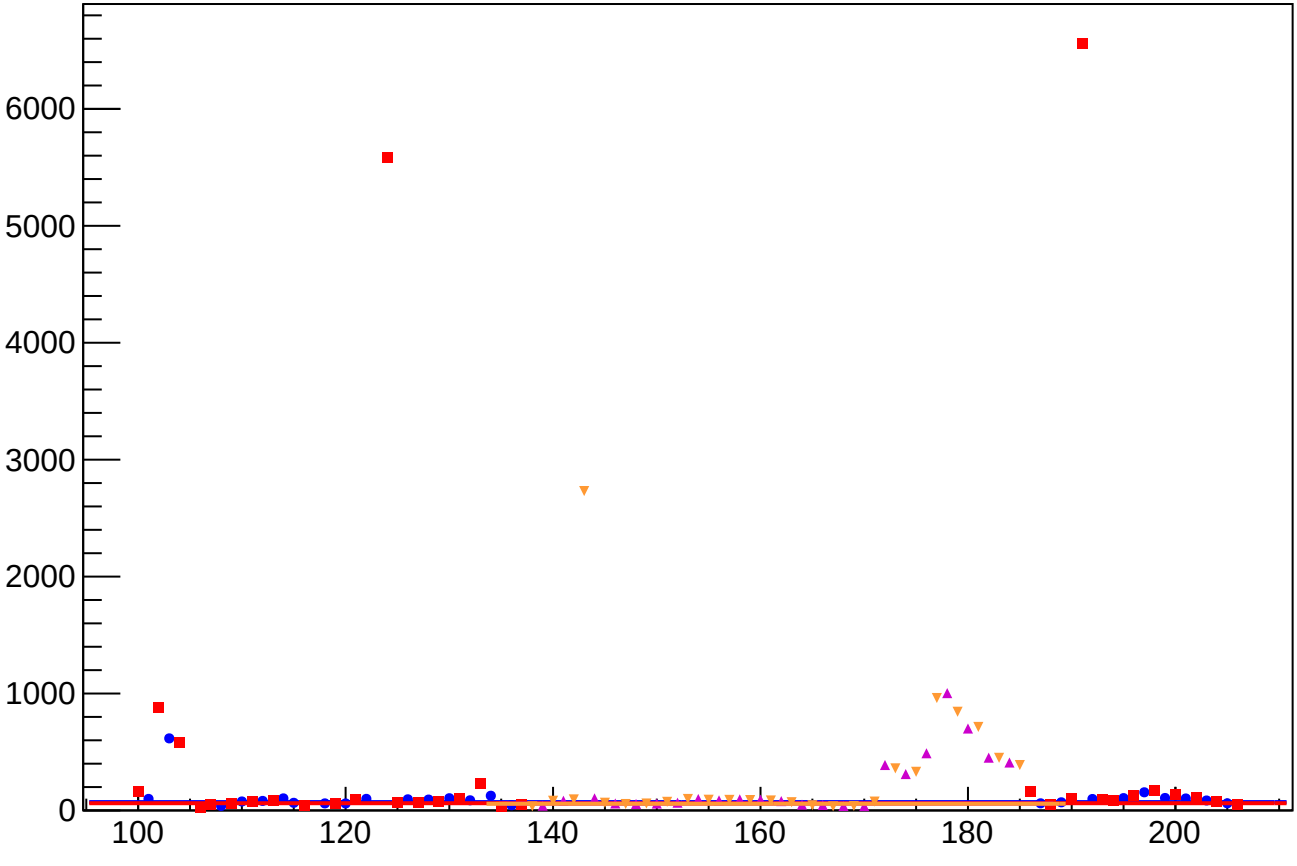
Right: 0.015+/-0.014 χ^2/NDF: 44.6/55

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.015+/-0.009 χ^2/NDF: 92.6/103

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

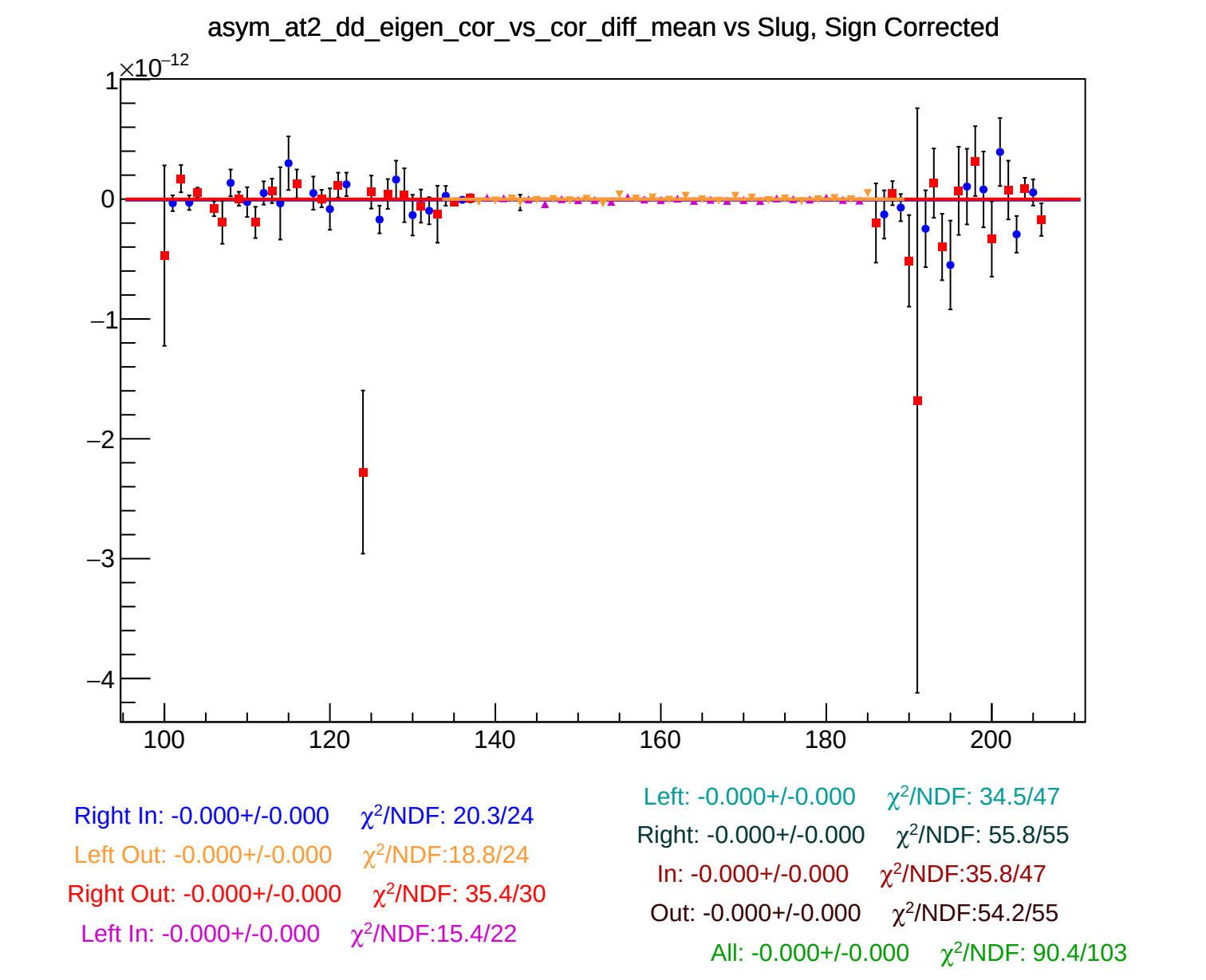
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

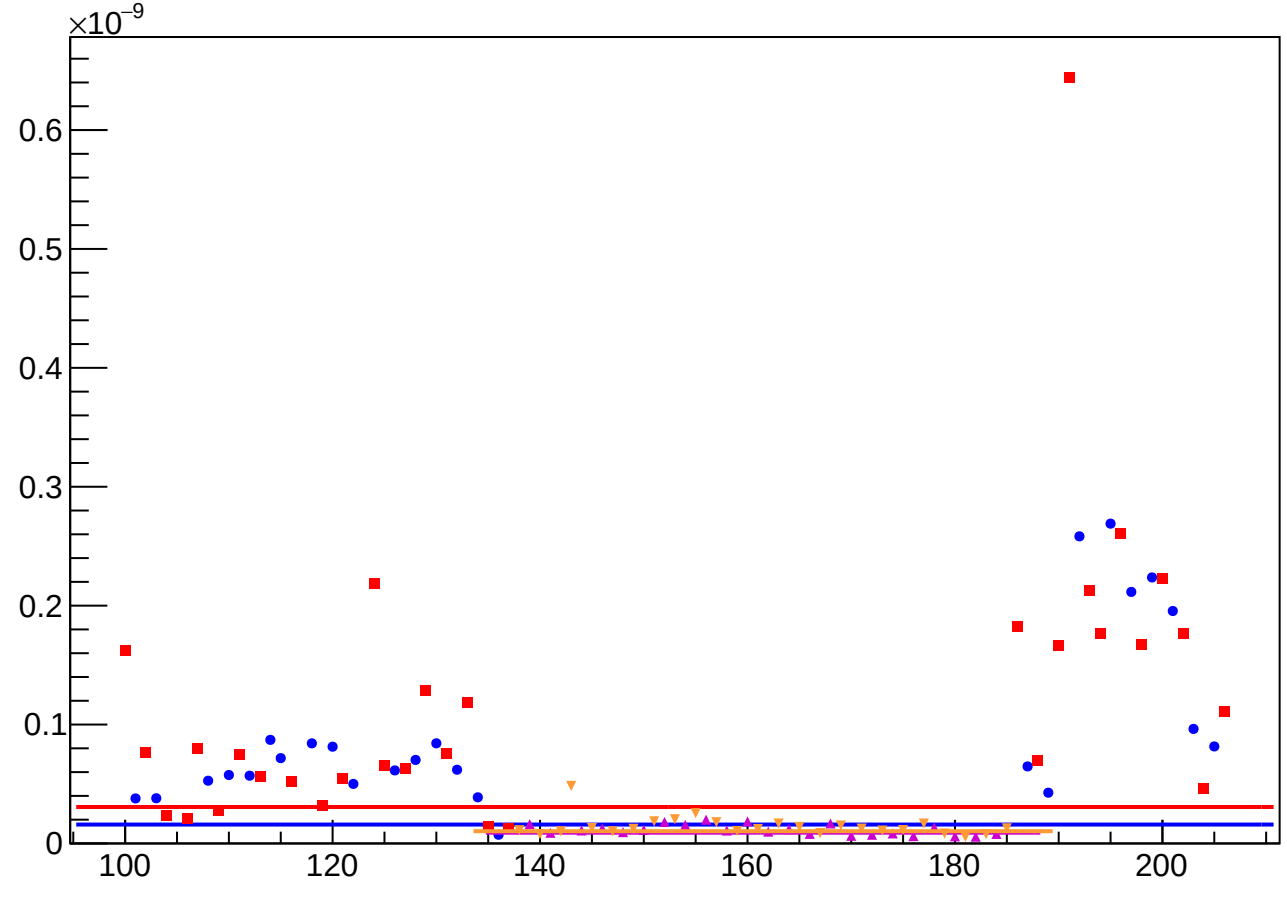
Right: 66.039+/-0.010 χ^2/NDF: 11265058.1/55

In: 63.610+/-0.009 χ^2/NDF:14454612.1/47

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 61.356+/-0.006 χ^2/NDF: 34223209.1/103


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.3/24
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.4/30
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 55.8/55
In: -0.000+/-0.000 χ²/NDF:35.8/47
Out: -0.000+/-0.000 χ²/NDF:54.2/55
All: -0.000+/-0.000 χ²/NDF: 90.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 11107693.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9748024.2/30

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

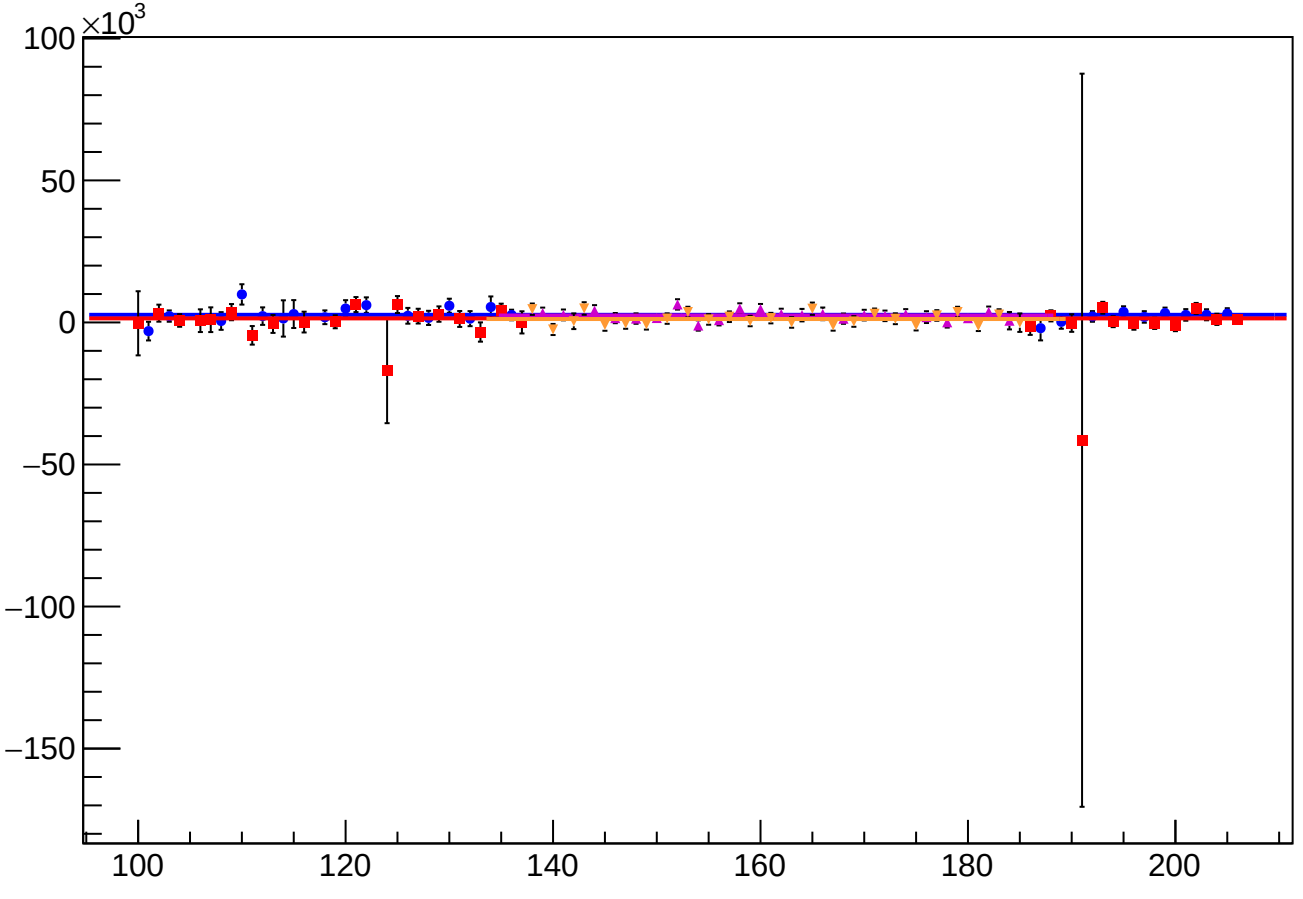
Right: 0.000+/-0.000 χ^2/NDF: 22258251.2/55

In: 0.000+/-0.000 χ^2/NDF:15006745.8/47

Out: 0.000+/-0.000 χ^2/NDF:17195617.6/55

All: 0.000+/-0.000 χ^2/NDF: 32530697.8/103

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2682.205+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.780+/-465.741 χ^2/NDF: 27.8/30

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

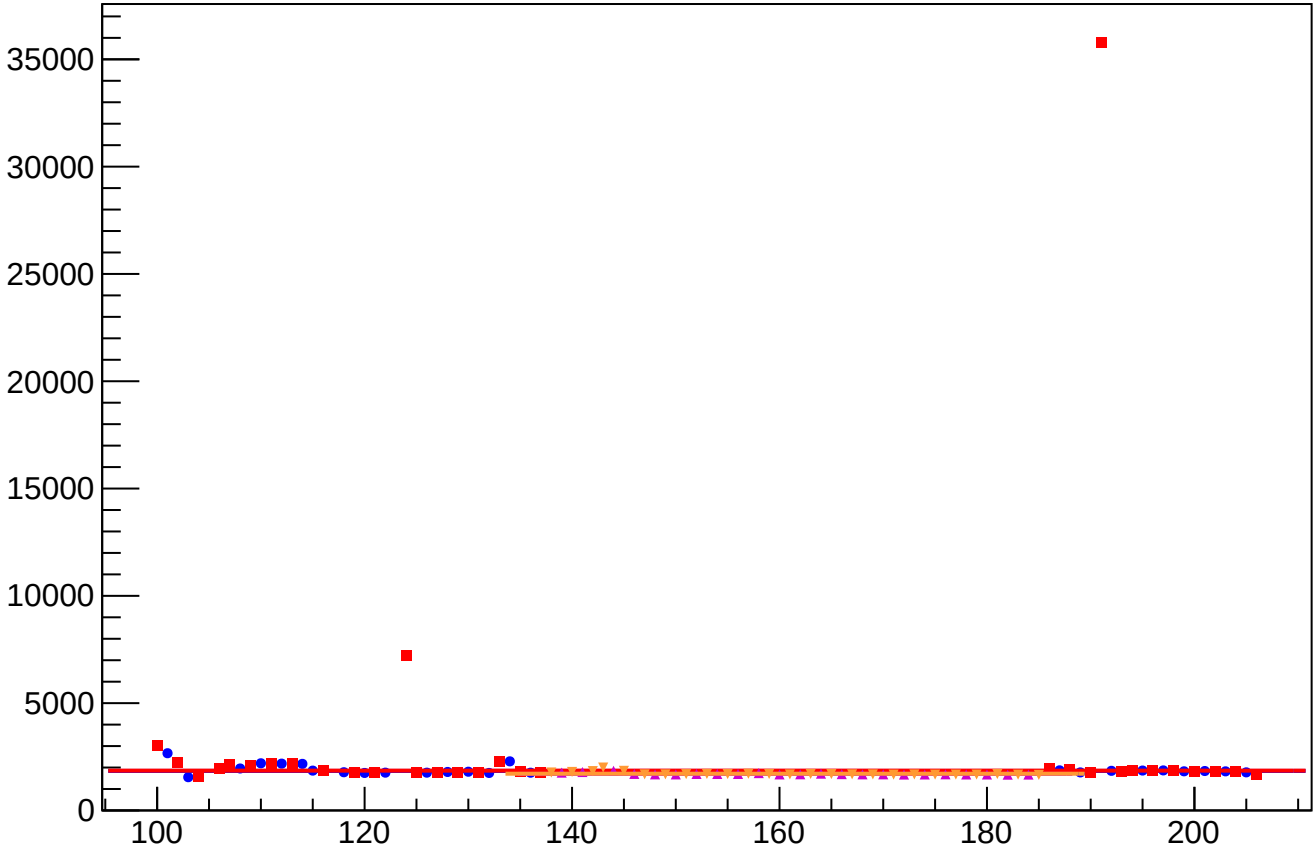
Right: 2017.857+/-338.399 χ^2/NDF: 46.6/55

In: 2535.072+/-309.545 χ^2/NDF:33.1/47

Out: 1293.411+/-298.621 χ^2/NDF:54.2/55

All: 1891.947+/-214.915 χ^2/NDF: 95.6/103

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.3/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.293+/-0.329 χ^2/NDF: 542736.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

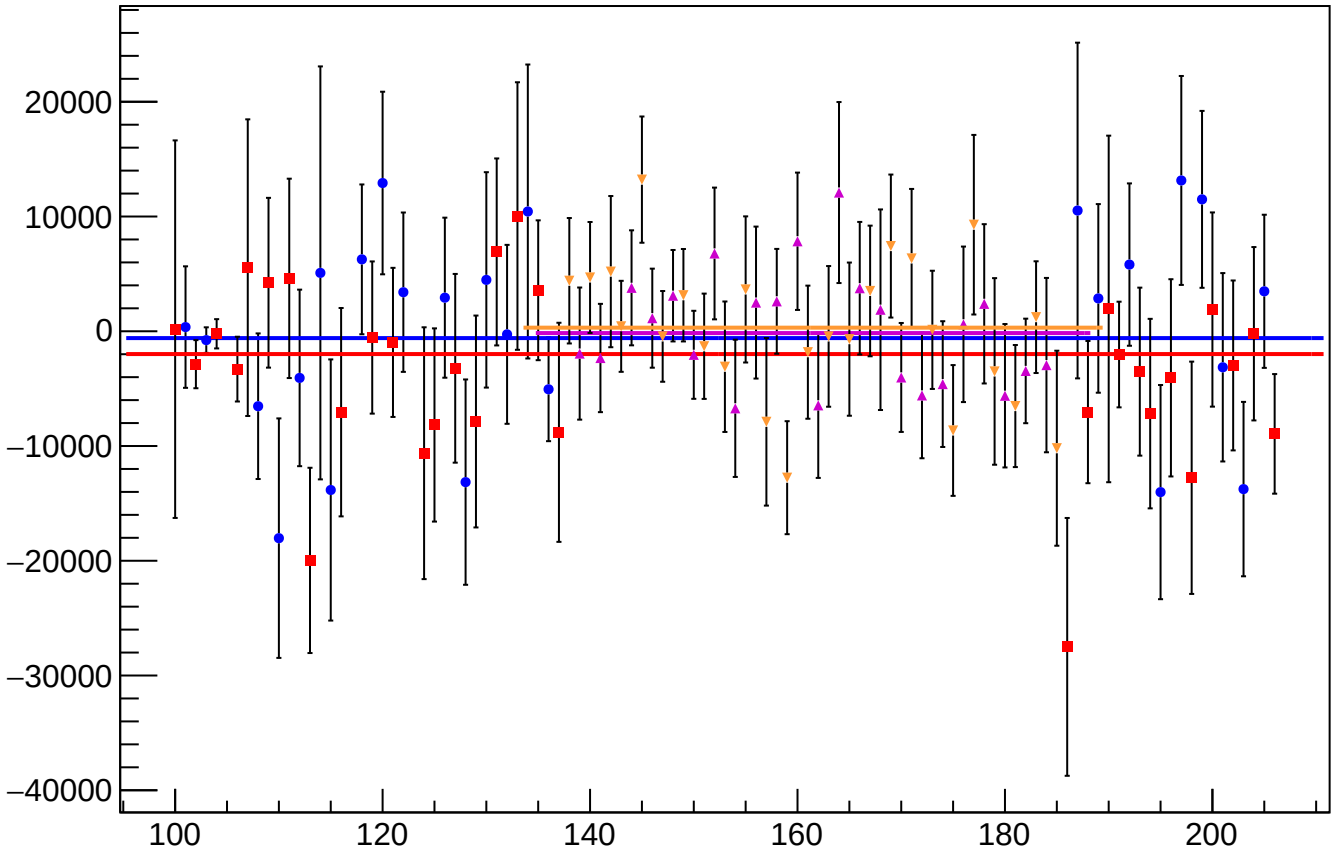
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1848.731+/-0.239 χ^2/NDF: 812539.1/55

In: 1758.246+/-0.219 χ^2/NDF:385708.5/47

Out: 1770.847+/-0.211 χ^2/NDF:714774.5/55

All: 1764.776+/-0.152 χ^2/NDF: 1102200.4/10



Right In: -595.522+/-907.985 χ^2/NDF: 25.8/24

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1986.902+/-838.969 χ^2/NDF: 24.1/30

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

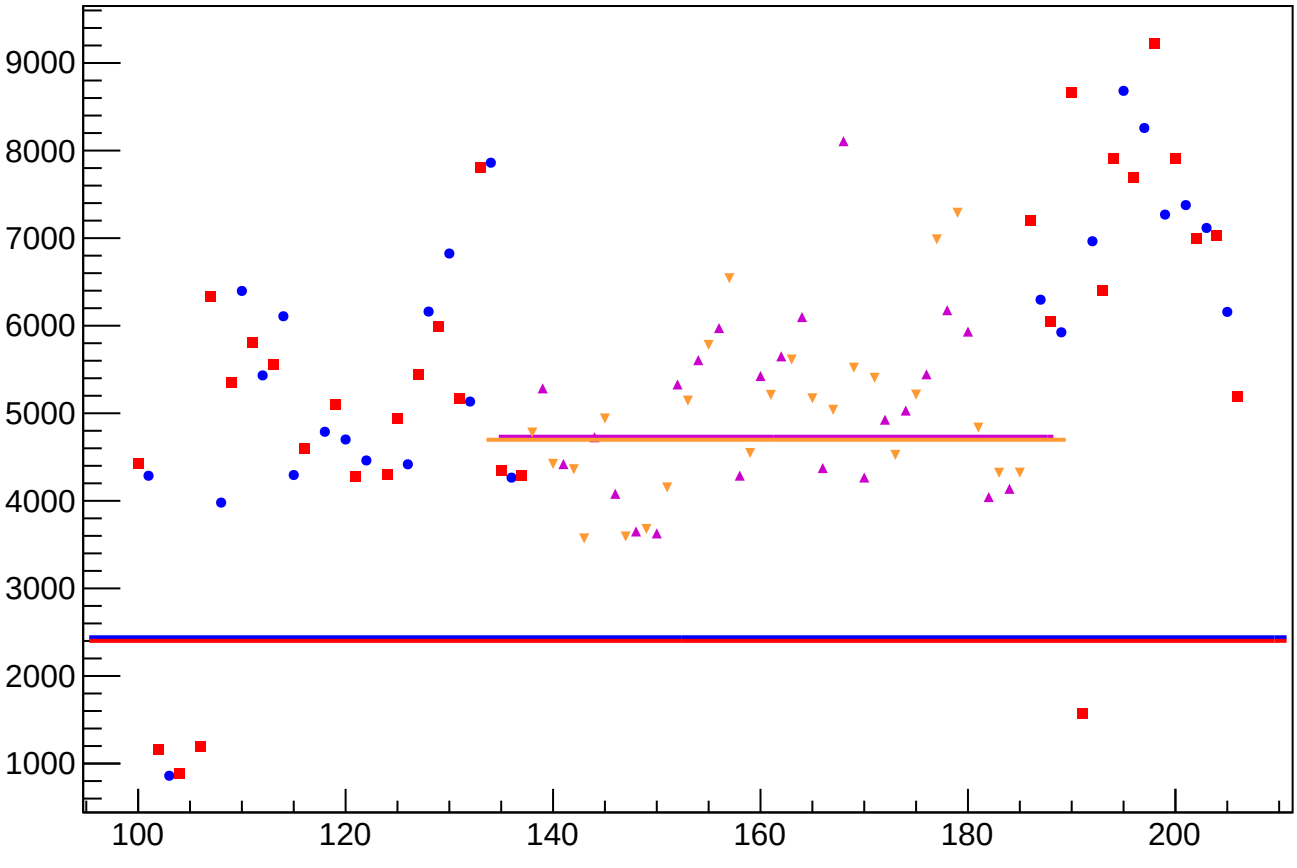
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1346.095+/-616.197 χ^2/NDF: 51.1/55

In: -423.564+/-707.415 χ^2/NDF:40.6/47

Out: -1132.825+/-665.285 χ^2/NDF:53.9/55

All: -799.942+/-484.637 χ^2/NDF: 95.0/103



Right In: 2441.873+/-0.642 χ^2/NDF: 13474136.4/24

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2401.136+/-0.593 χ^2/NDF: 14960774.7/30

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

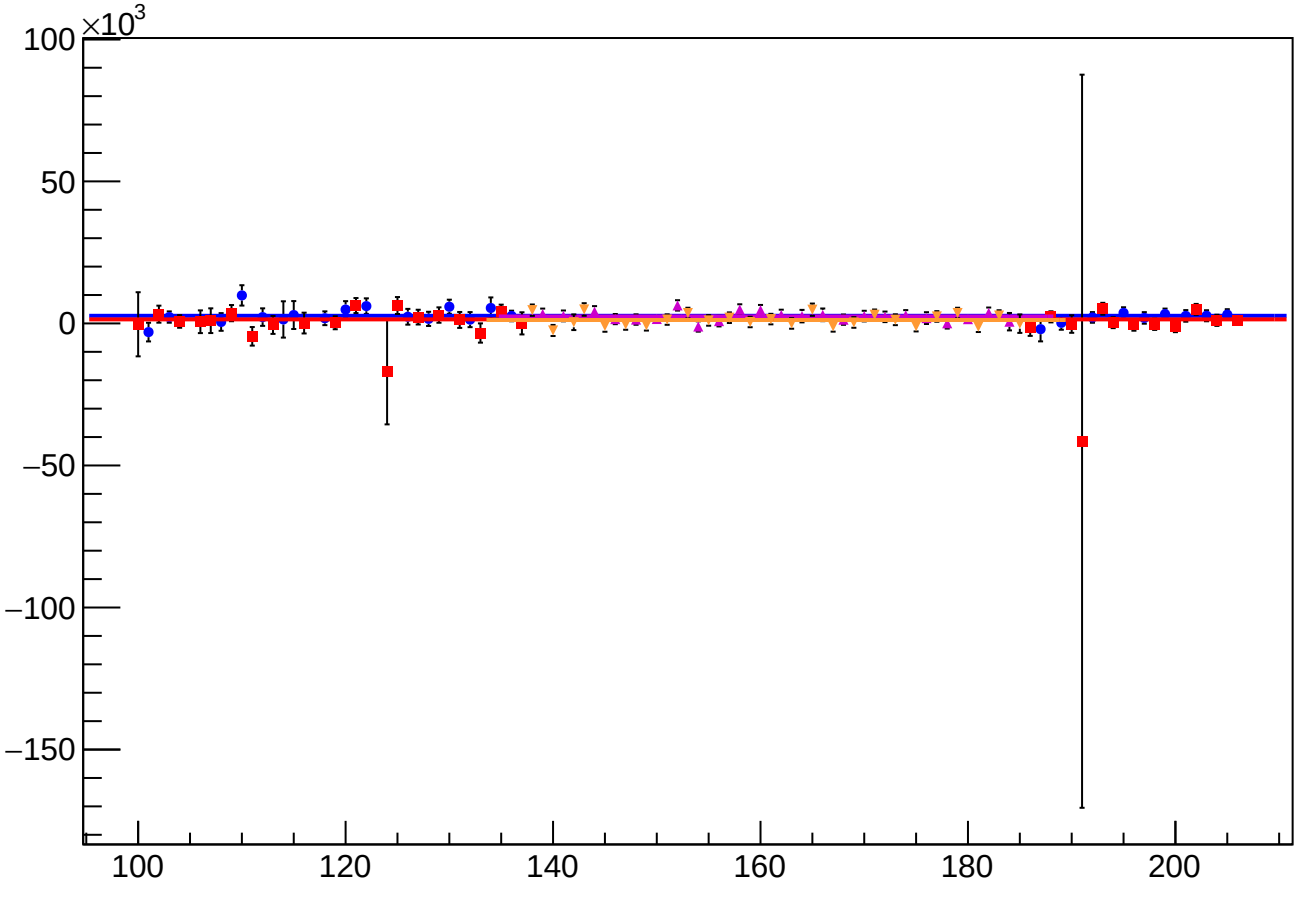
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2419.898+/-0.436 χ^2/NDF: 28437082.8/55

In: 3342.053+/-0.500 χ^2/NDF:19718901.3/47

Out: 3253.555+/-0.470 χ^2/NDF:21762454.5/55

All: 3295.090+/-0.343 χ^2/NDF: 41497965.6/



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.221+/-465.741 χ^2/NDF: 27.8/30

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

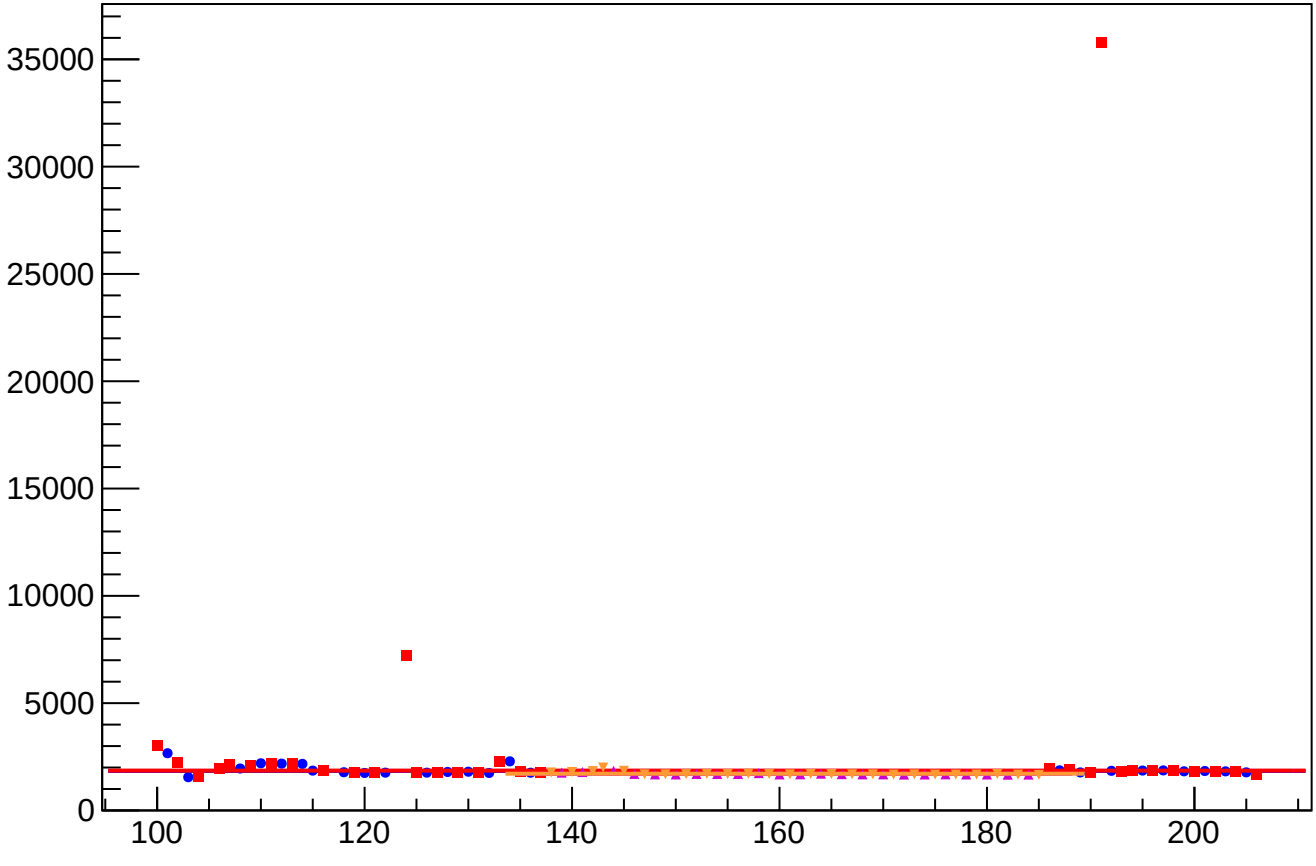
Right: 2017.638+/-338.399 χ^2/NDF: 46.6/55

In: 2535.095+/-309.545 χ^2/NDF:33.1/47

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1891.809+/-214.915 χ^2/NDF: 95.6/103

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

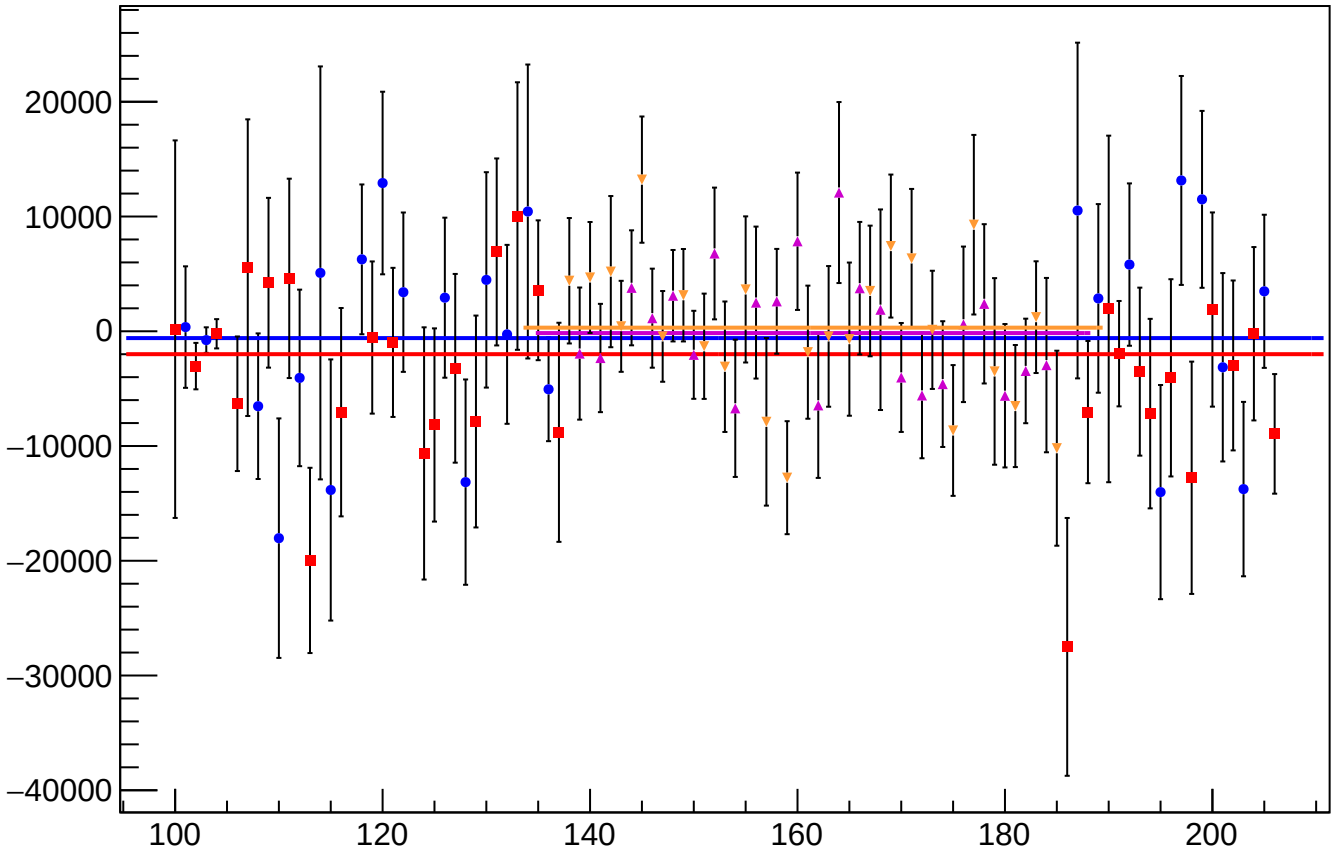
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1848.832+/-0.239 χ^2/NDF: 812935.4/55

In: 1758.246+/-0.219 χ^2/NDF:385708.4/47

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1764.813+/-0.152 χ^2/NDF: 1102880.1/10



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1996.393+/-863.455 χ^2/NDF: 24.5/30

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

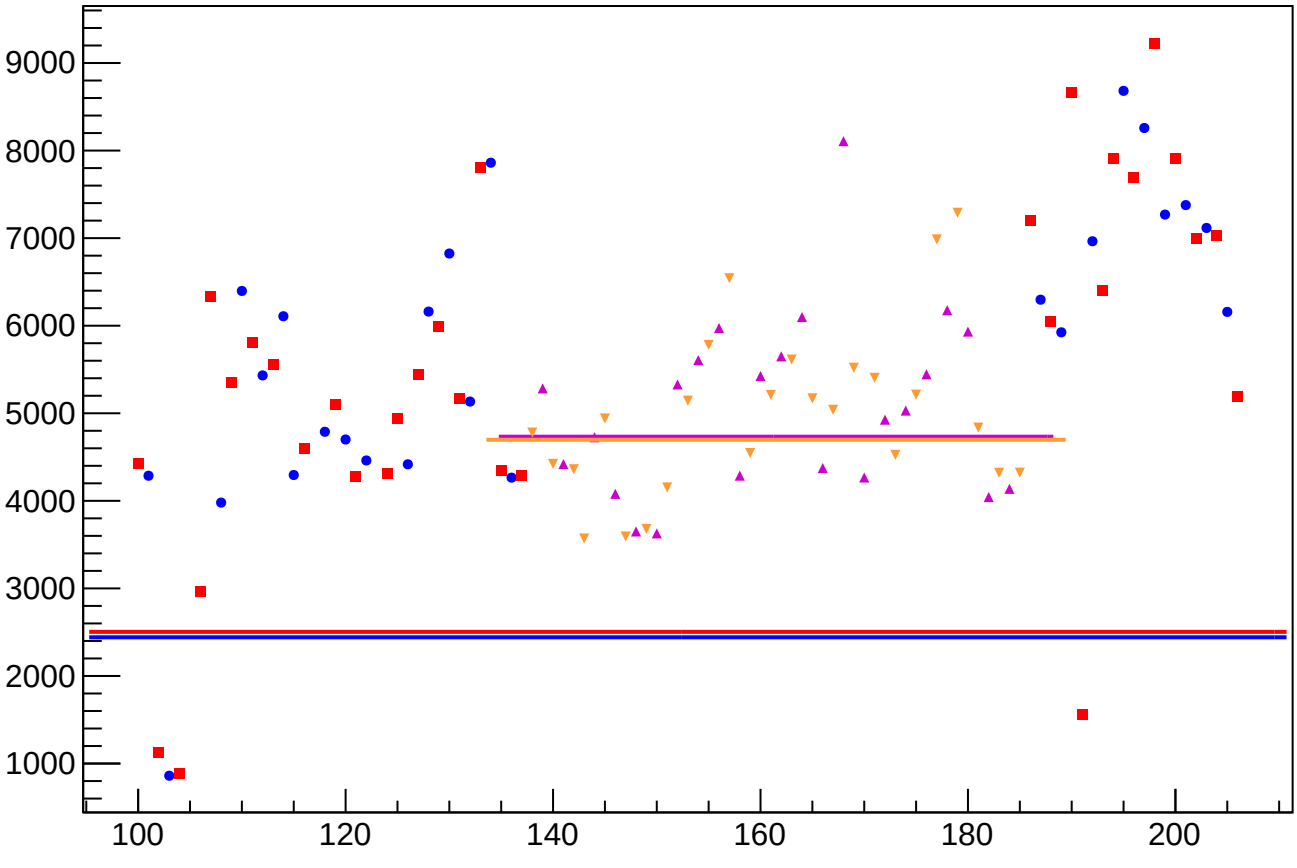
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1330.915+/-625.691 χ^2/NDF: 51.5/55

In: -423.323+/-707.394 χ^2/NDF:40.6/47

Out: -1107.528+/-677.298 χ^2/NDF:54.3/55

All: -780.290+/-489.216 χ^2/NDF: 95.3/103



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

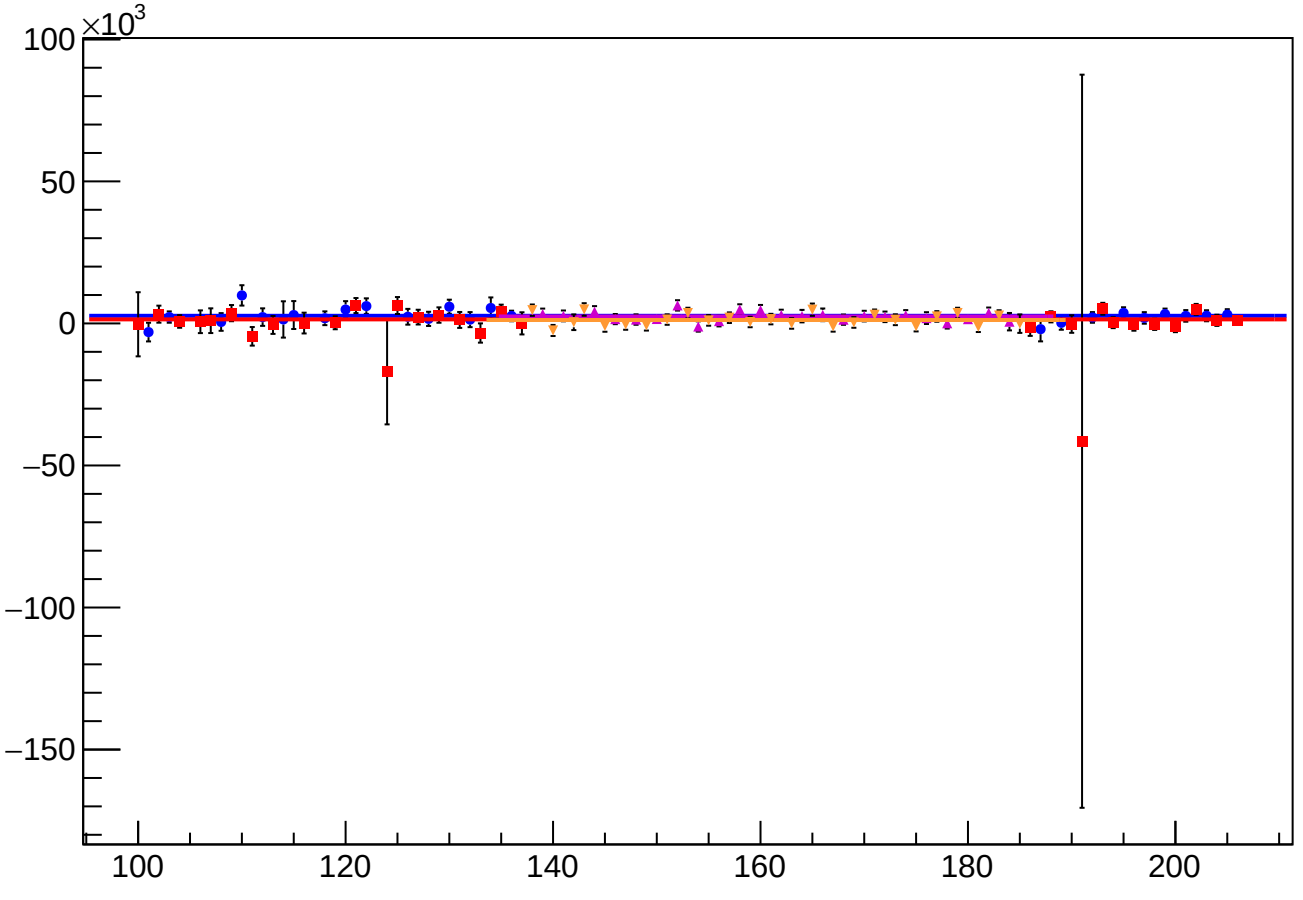
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2474.307+/-0.442 χ^2/NDF: 28163652.7/55

In: 3341.881+/-0.500 χ^2/NDF:19720824.8/47

Out: 3347.793+/-0.479 χ^2/NDF:20889937.1/55

All: 3344.965+/-0.346 χ^2/NDF: 40610834.8/1



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.221+/-465.741 χ^2/NDF: 27.8/30

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

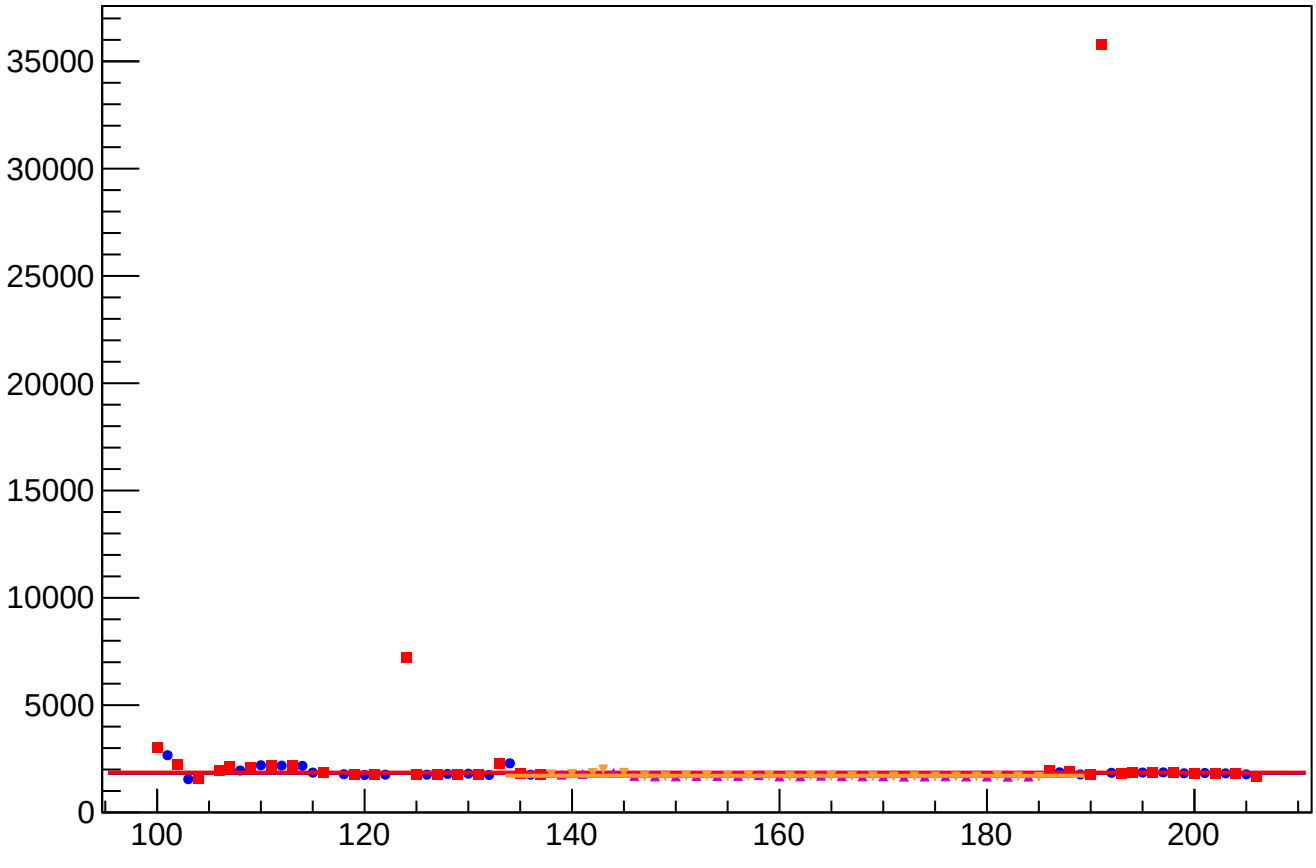
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2017.638+/-338.399 χ^2/NDF: 46.6/55

In: 2535.095+/-309.545 χ^2/NDF:33.1/47

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1891.809+/-214.915 χ^2/NDF: 95.6/103



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

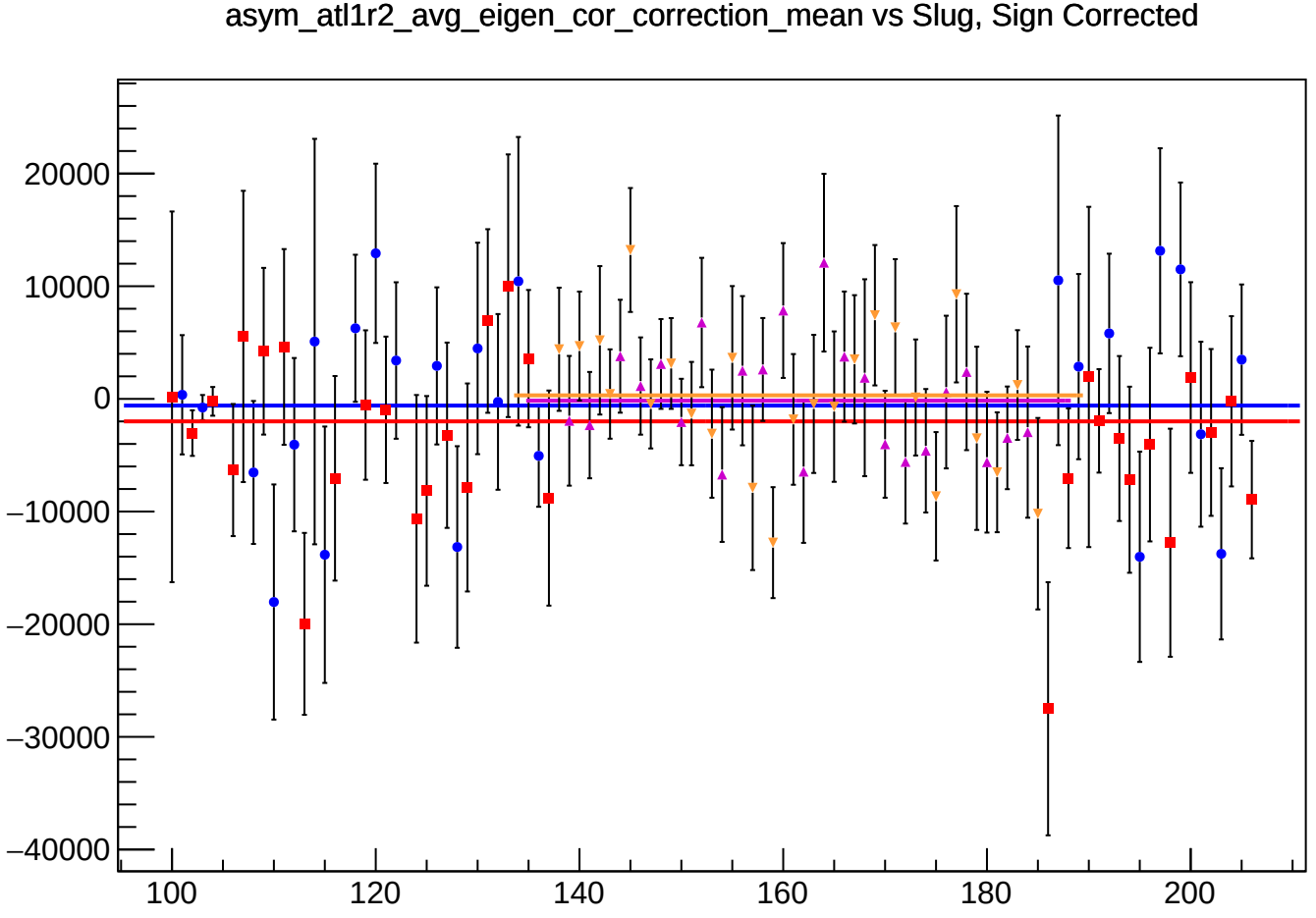
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1848.832+/-0.239 χ^2/NDF: 812935.4/55

In: 1758.246+/-0.219 χ^2/NDF:385708.4/47

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1764.813+/-0.152 χ^2/NDF: 1102880.1/10



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1996.393+/-863.455 χ^2/NDF: 24.5/30

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

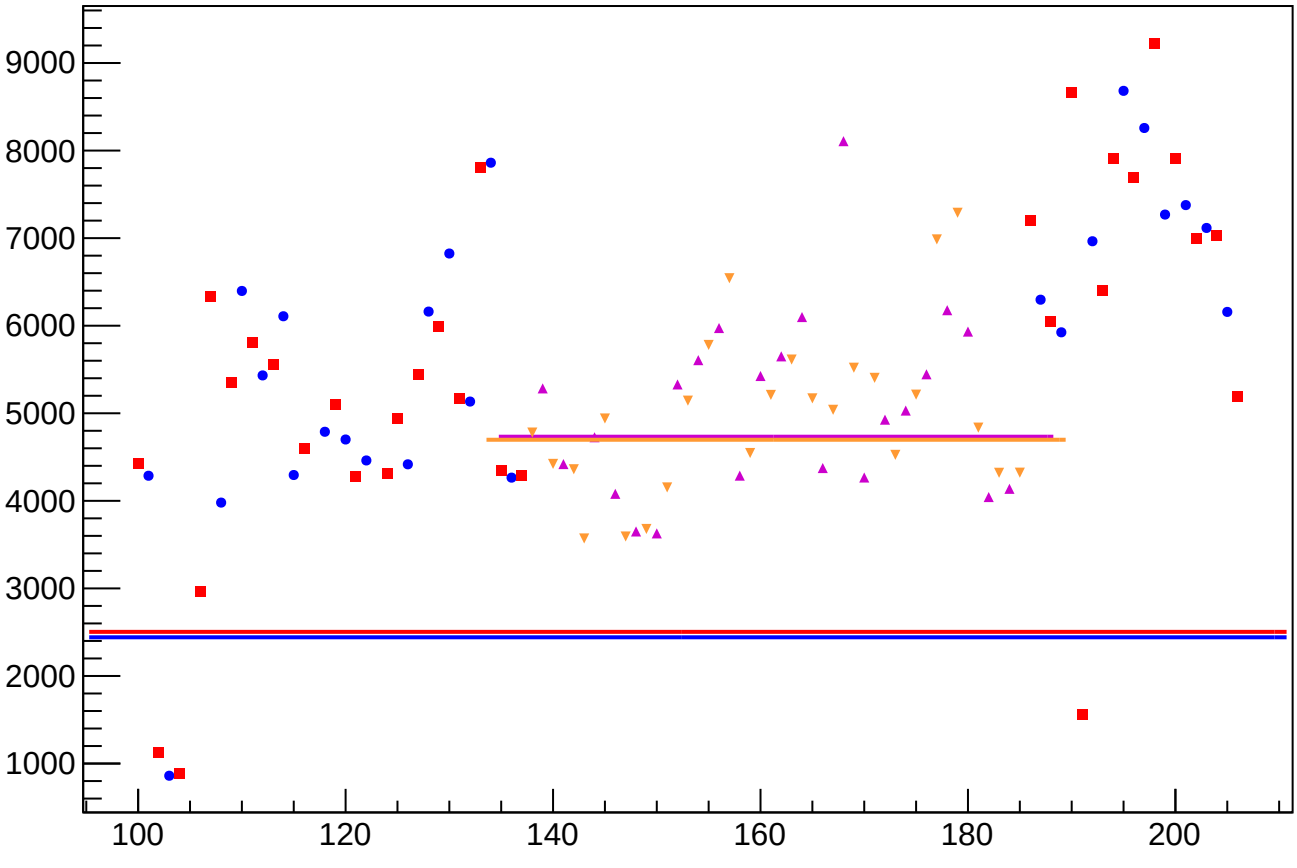
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1330.915+/-625.691 χ^2/NDF: 51.5/55

In: -423.323+/-707.394 χ^2/NDF:40.6/47

Out: -1107.528+/-677.298 χ^2/NDF:54.3/55

All: -780.290+/-489.216 χ^2/NDF: 95.3/103



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

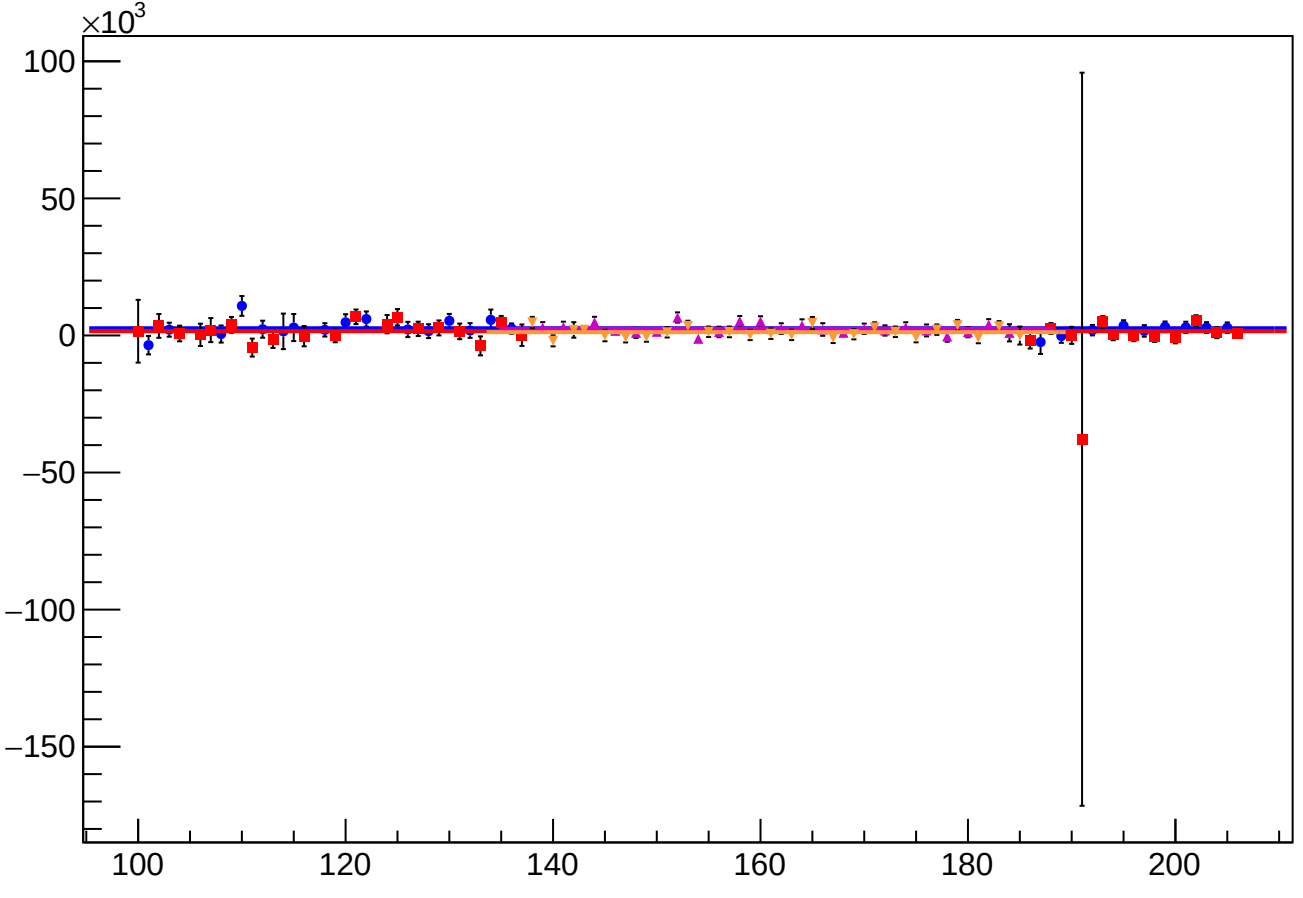
Right: 2474.307+/-0.442 χ^2/NDF: 28163652.7/55

In: 3341.881+/-0.500 χ^2/NDF:19720824.8/47

Out: 3347.793+/-0.479 χ^2/NDF:20889937.1/55

All: 3344.965+/-0.346 χ^2/NDF: 40610834.8/1

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2628.005+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1551.605+/-474.145 χ^2/NDF: 29.4/30

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

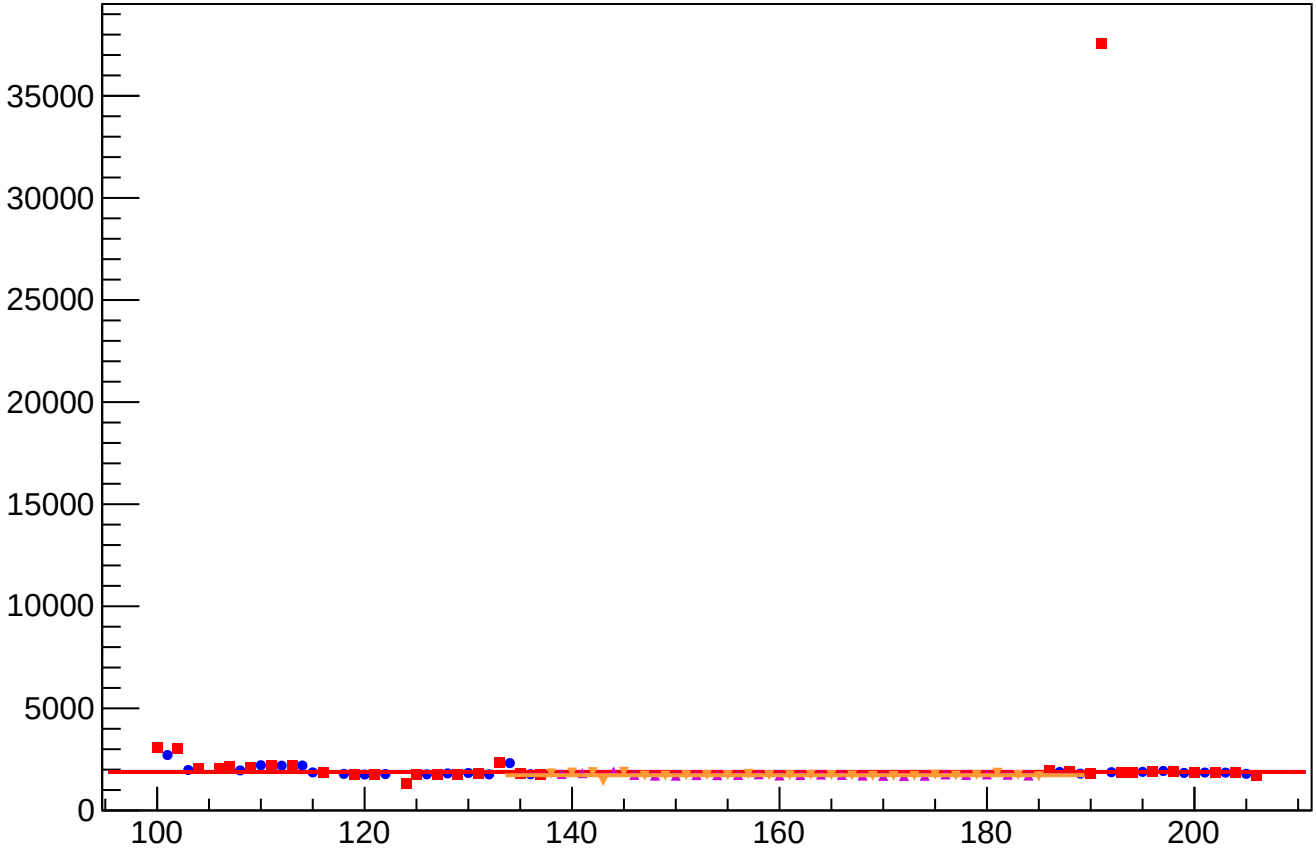
Right: 2056.297+/-345.550 χ^2/NDF: 48.3/55

In: 2513.043+/-317.065 χ^2/NDF:37.2/47

Out: 1341.614+/-302.567 χ^2/NDF:49.2/55

All: 1899.934+/-218.893 χ^2/NDF: 93.6/103

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.8/24

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1885.339+/-0.335 χ^2/NDF: 520747.3/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

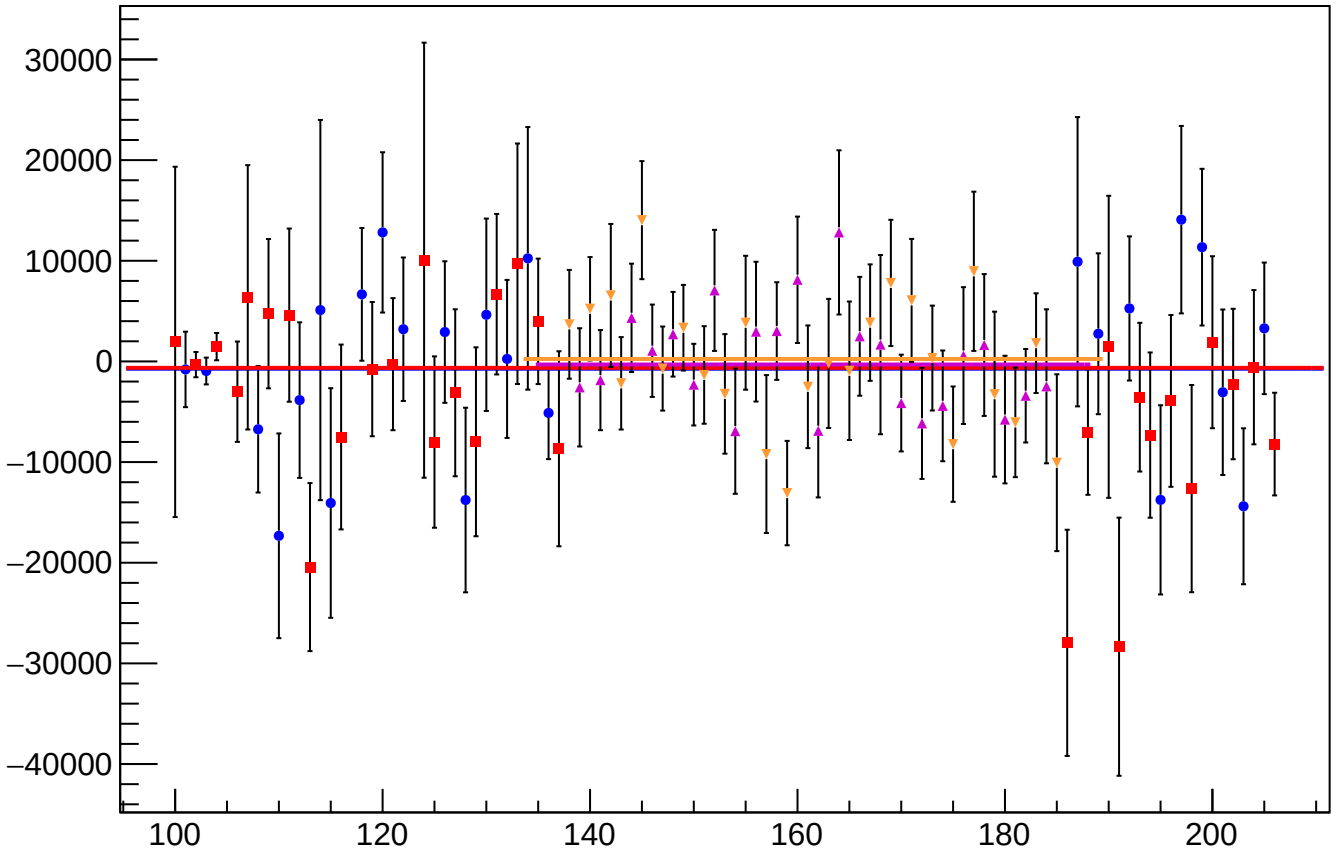
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1886.268+/-0.244 χ^2/NDF: 750351.5/55

In: 1800.960+/-0.224 χ^2/NDF:353162.1/47

Out: 1791.644+/-0.214 χ^2/NDF:762896.4/55

All: 1796.083+/-0.155 χ^2/NDF: 1116962.3/10



Right In: -723.759+/-998.138 χ^2/NDF: 25.8/24

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -638.888+/-785.760 χ^2/NDF: 30.9/30

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

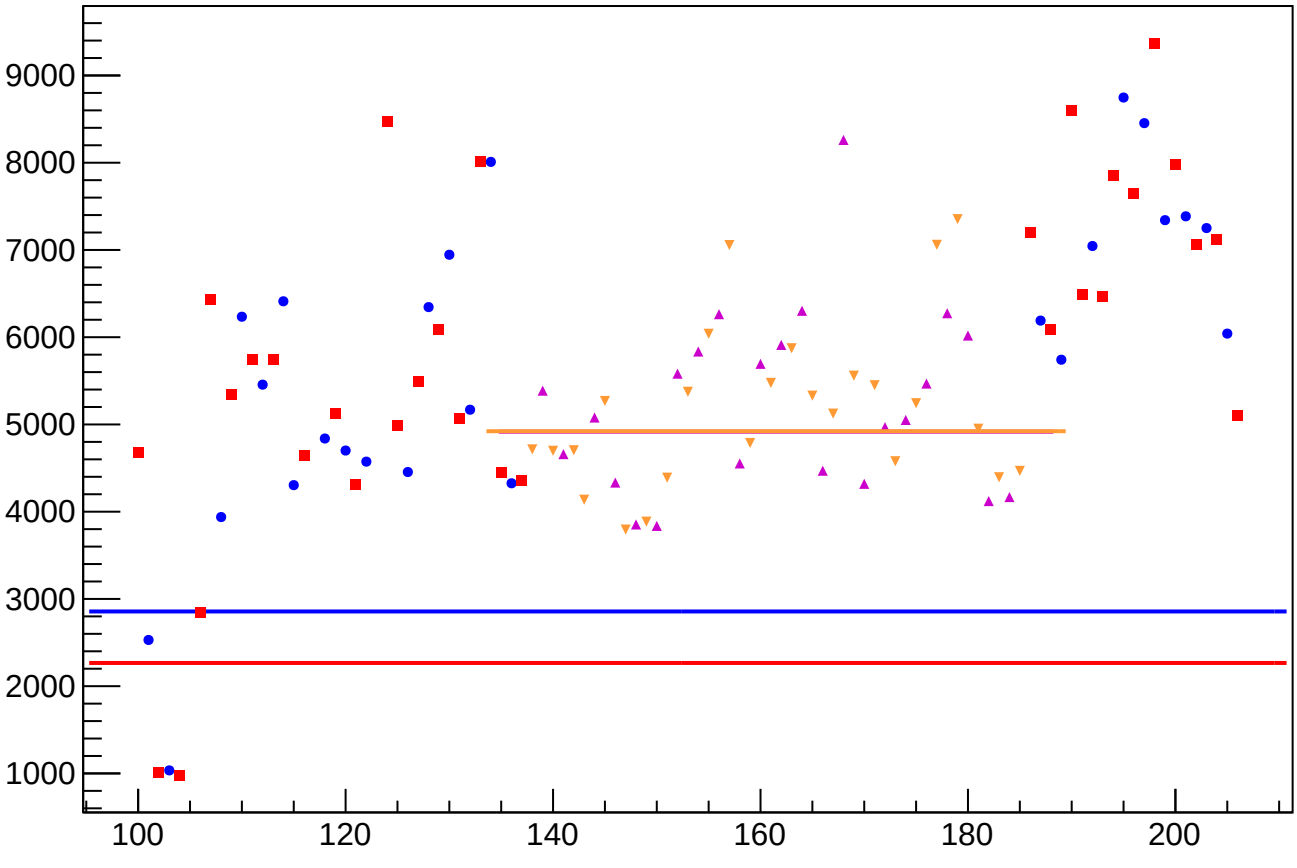
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -671.360+/-617.404 χ^2/NDF: 56.7/55

In: -548.009+/-759.632 χ^2/NDF:40.4/47

Out: -355.782+/-647.141 χ^2/NDF:58.1/55

All: -436.622+/-492.617 χ^2/NDF: 98.4/103



Right In: 2856.406+/-0.706 χ^2/NDF: 11178184.8/24

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2266.232+/-0.556 χ^2/NDF: 16025181.6/30

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

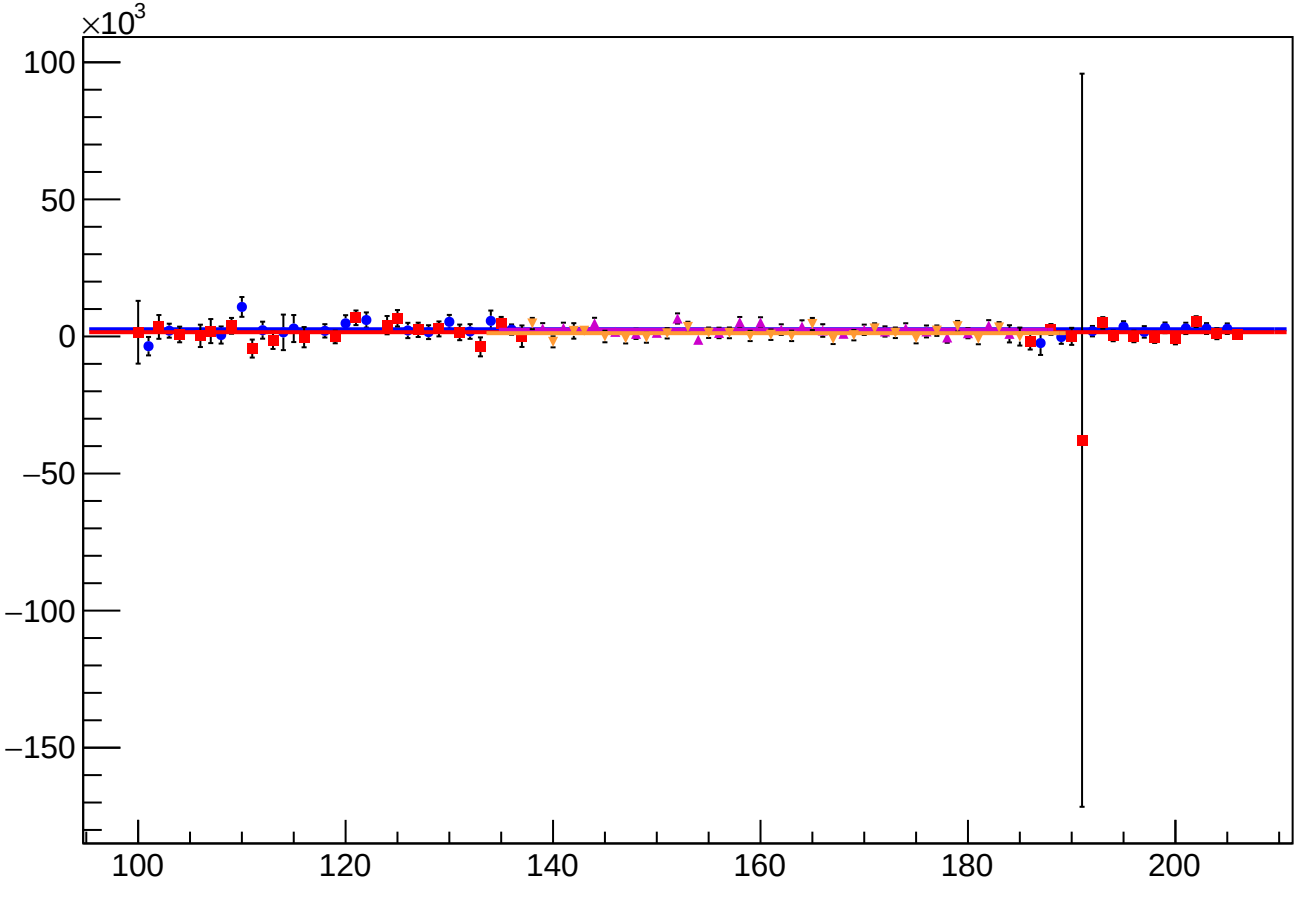
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2492.039+/-0.437 χ^2/NDF: 27635053.2/55

In: 3723.496+/-0.537 χ^2/NDF:15926551.6/47

Out: 3120.727+/-0.458 χ^2/NDF:24427703.9/55

All: 3374.218+/-0.348 χ^2/NDF: 41083957.4/



Right In: 2628.003+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1551.605+/-474.145 χ^2/NDF: 29.4/30

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

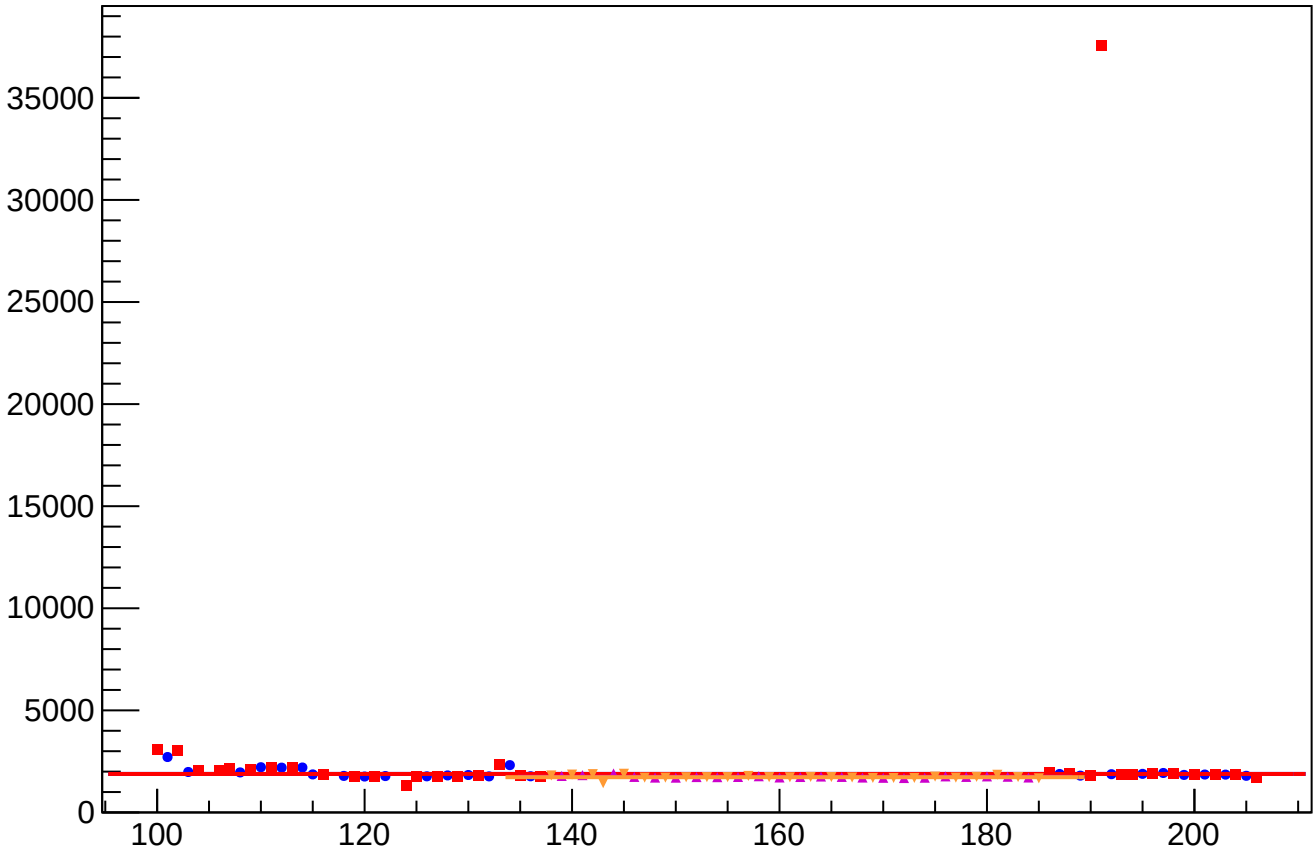
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2056.295+/-345.550 χ^2/NDF: 48.3/55

In: 2513.042+/-317.065 χ^2/NDF:37.2/47

Out: 1341.610+/-302.567 χ^2/NDF:49.2/55

All: 1899.932+/-218.893 χ^2/NDF: 93.6/103



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.9/24

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1885.338+/-0.335 χ^2/NDF: 520746.1/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

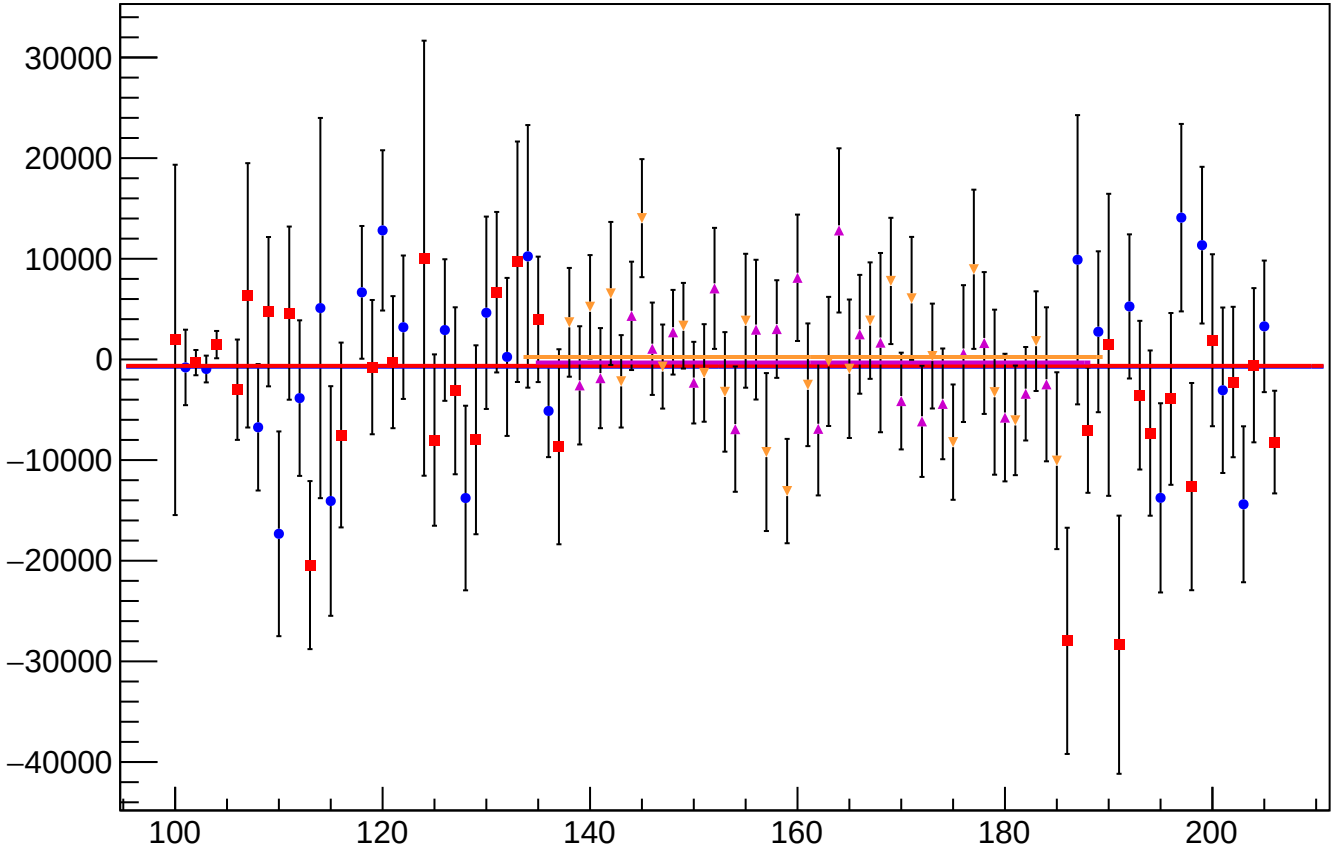
Right: 1886.267+/-0.244 χ^2/NDF: 750350.3/55

In: 1800.960+/-0.224 χ^2/NDF:353160.6/47

Out: 1791.644+/-0.214 χ^2/NDF:762892.6/55

All: 1796.083+/-0.155 χ^2/NDF: 1116957.0/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -723.757+/-998.137 χ^2/NDF: 25.8/24

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -638.892+/-785.759 χ^2/NDF: 30.9/30

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

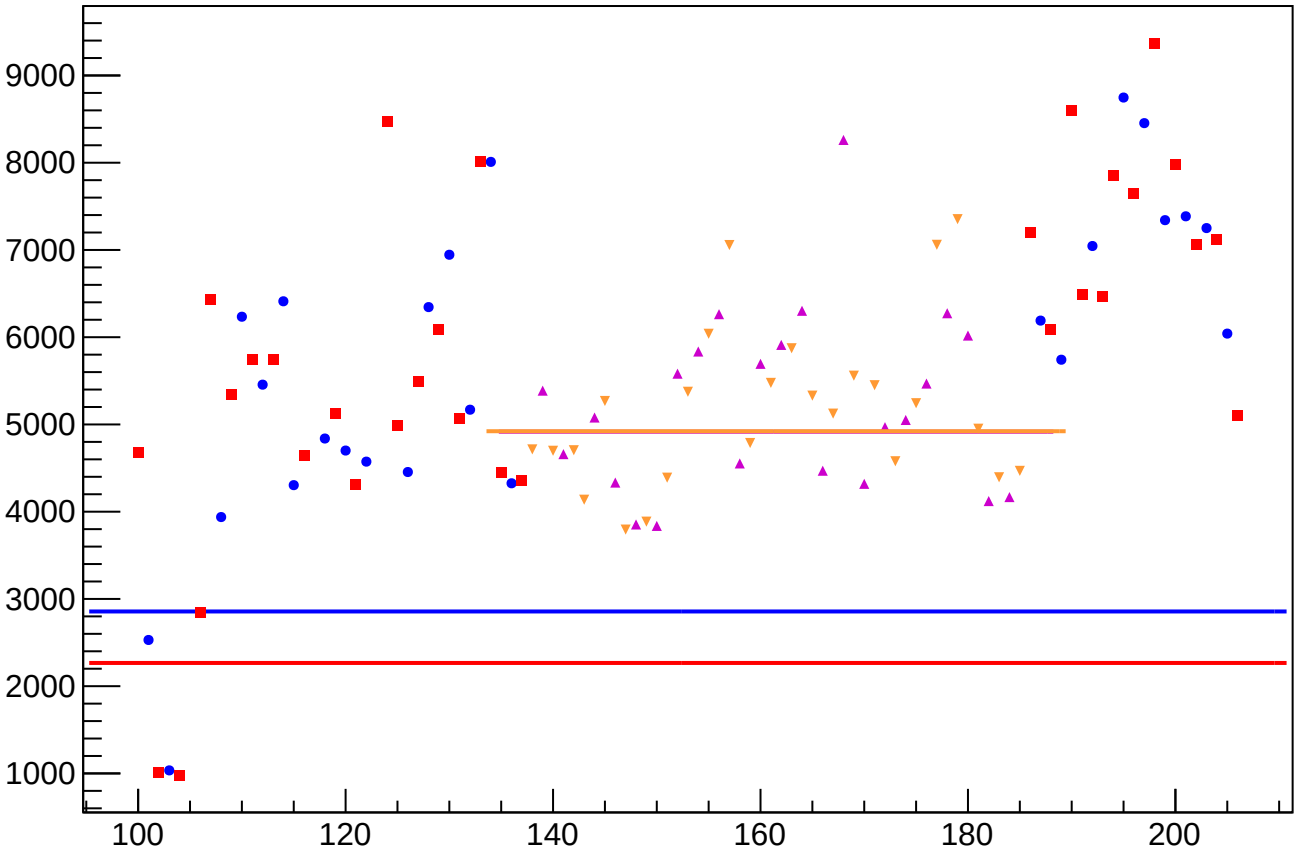
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -671.362+/-617.403 χ^2/NDF: 56.7/55

In: -548.010+/-759.633 χ^2/NDF:40.4/47

Out: -355.786+/-647.142 χ^2/NDF:58.1/55

All: -436.625+/-492.617 χ^2/NDF: 98.4/103



Right In: 2856.404+/-0.706 χ^2/NDF: 11178190.0/24

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2266.231+/-0.556 χ^2/NDF: 16025181.7/30

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

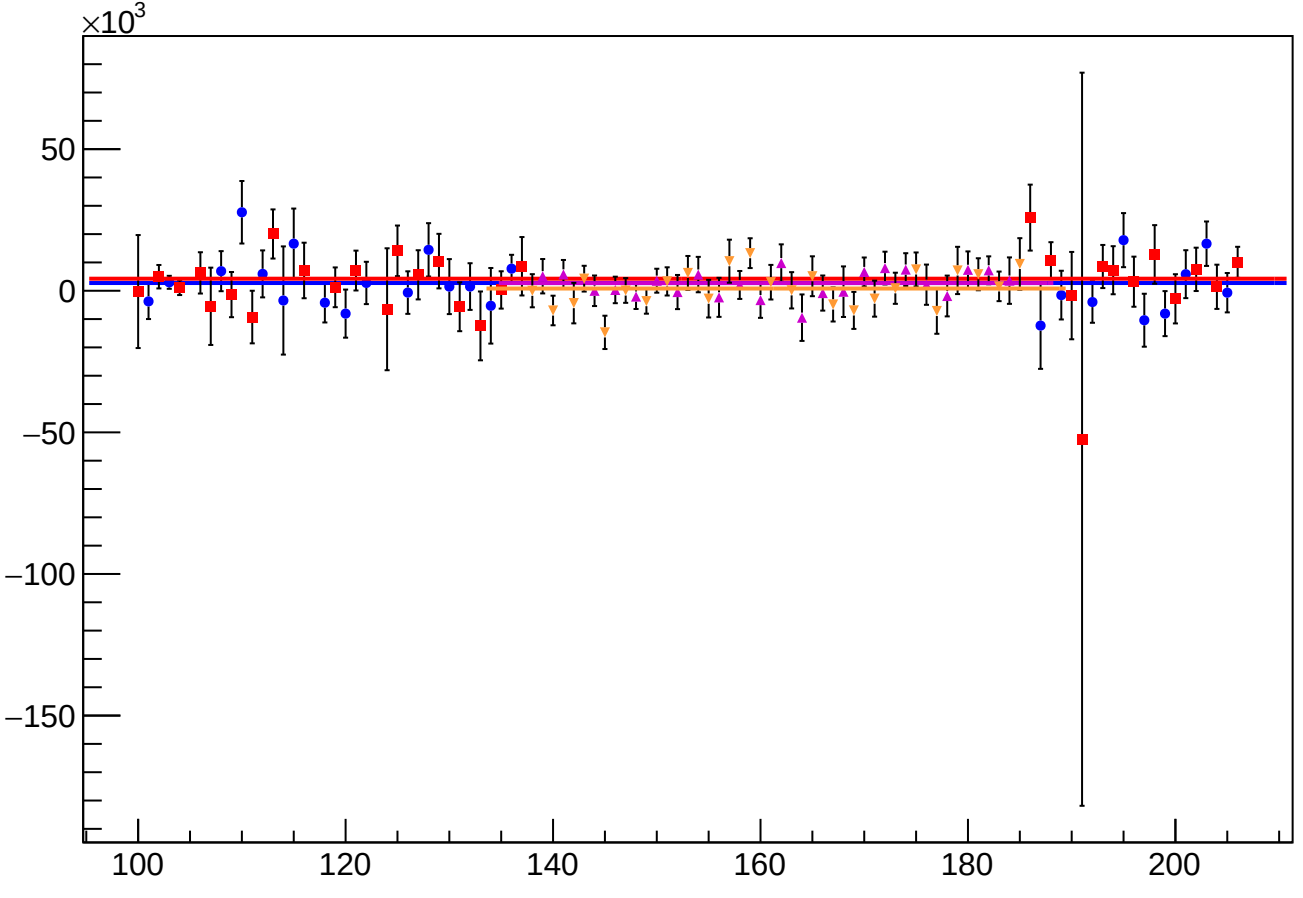
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2492.038+/-0.437 χ^2/NDF: 27635057.9/55

In: 3723.496+/-0.537 χ^2/NDF:15926587.9/47

Out: 3120.726+/-0.458 χ^2/NDF:24427742.1/55

All: 3374.217+/-0.348 χ^2/NDF: 41084033.1/



Right In: 2731.593+/-1351.259 χ^2/NDF: 25.8/24

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 4257.631+/-1309.123 χ^2/NDF: 22.1/30

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

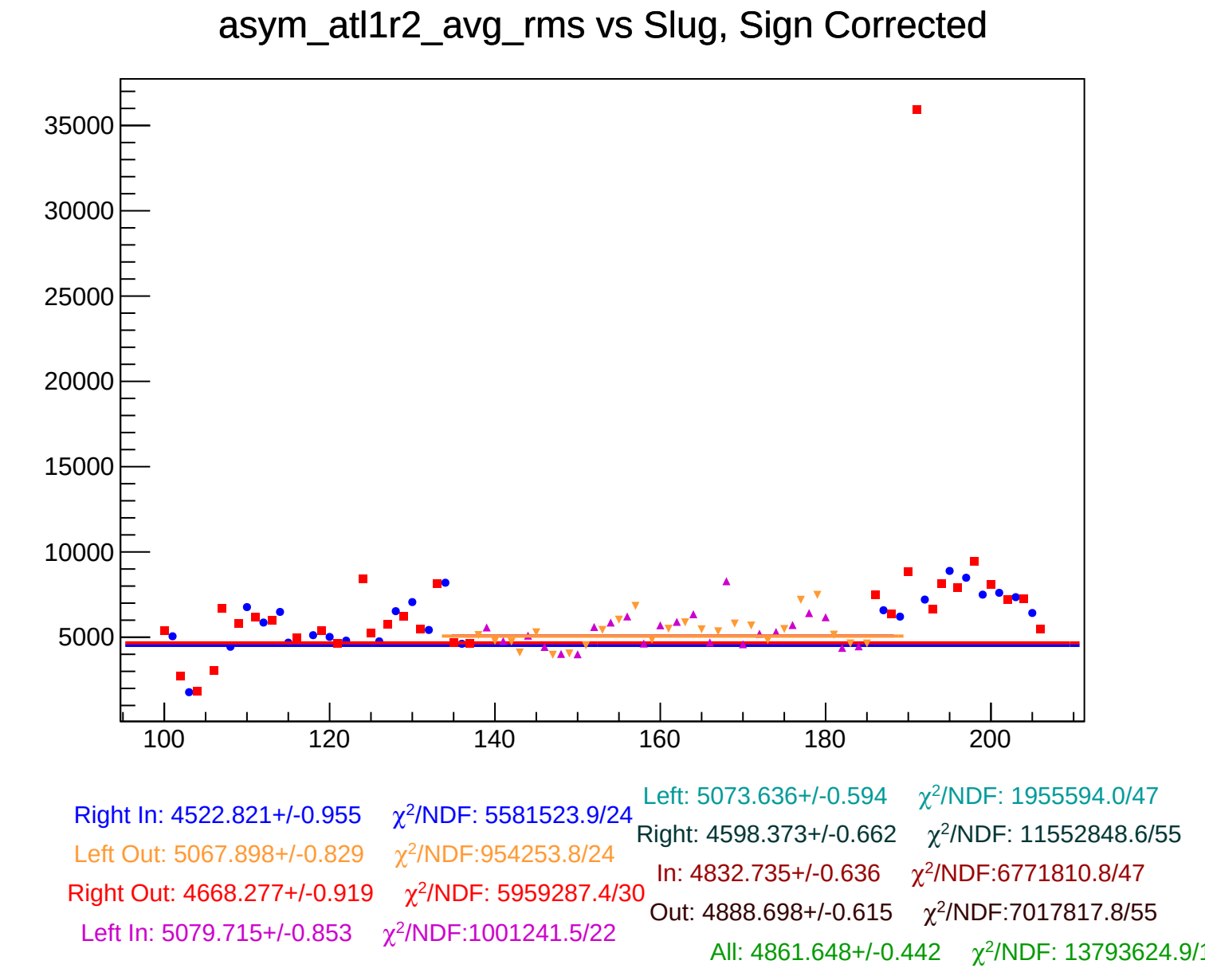
Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

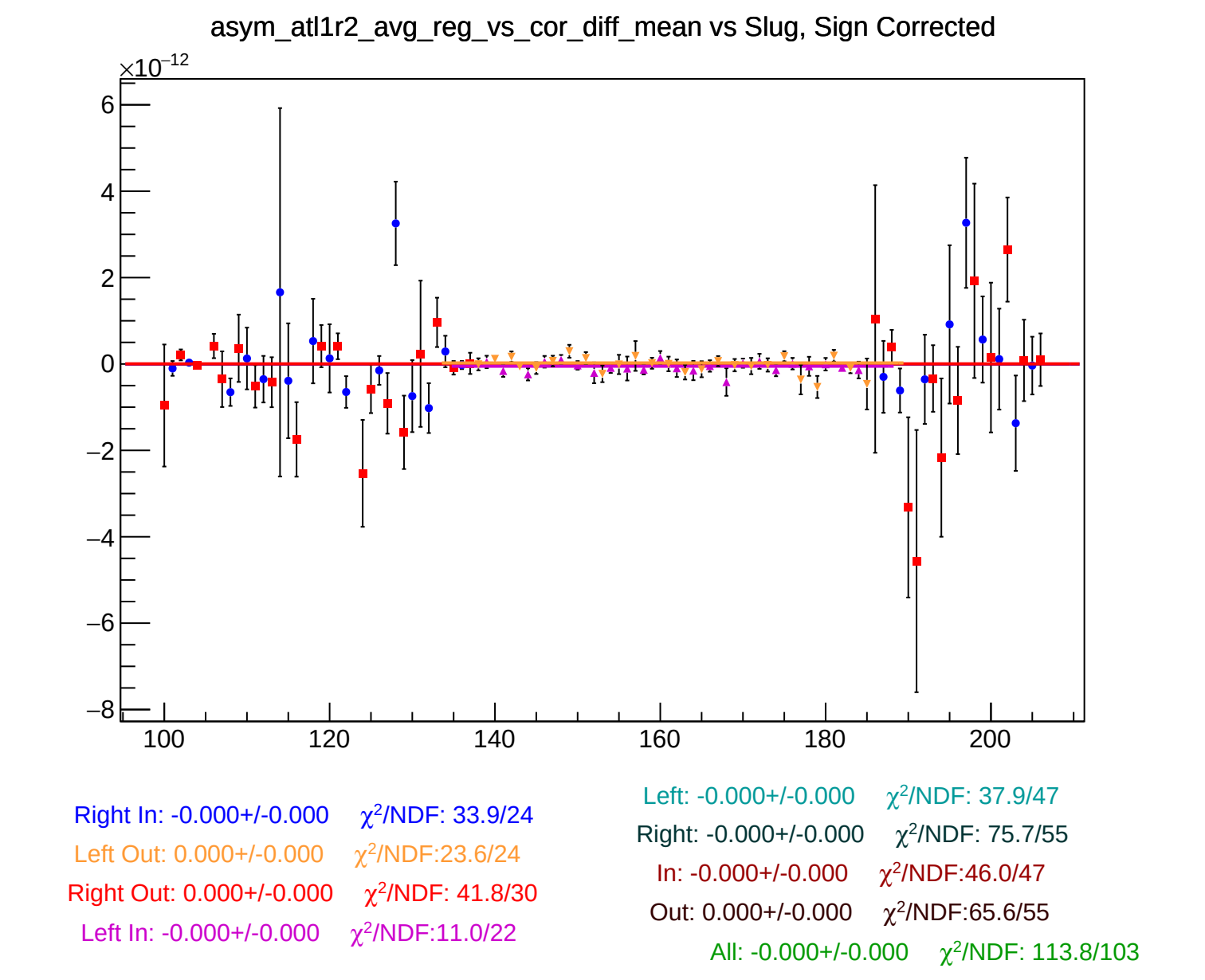
Right: 3518.776+/-940.233 χ^2/NDF: 48.6/55

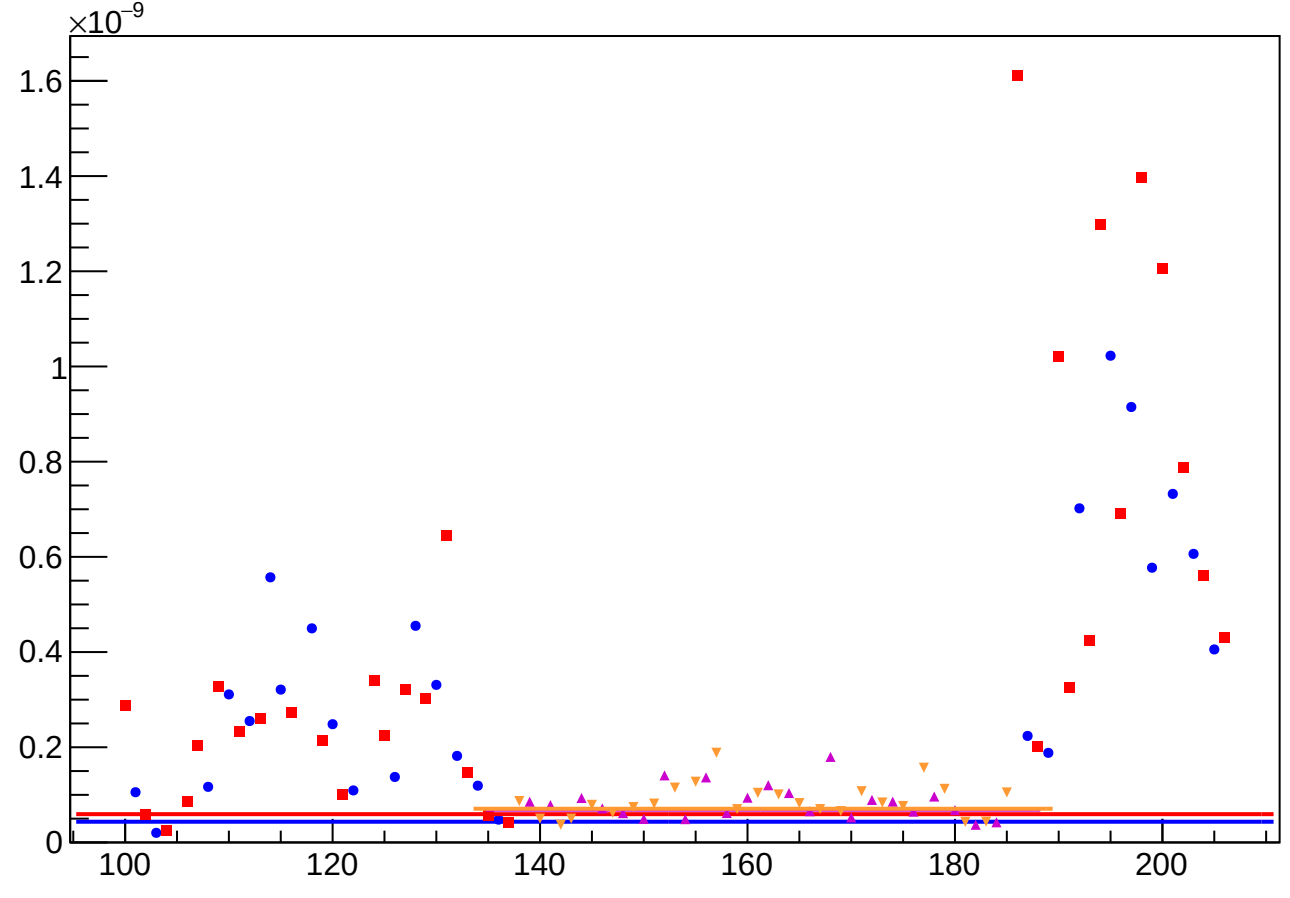
In: 2717.090+/-899.877 χ^2/NDF:37.7/47

Out: 2331.573+/-873.183 χ^2/NDF:53.6/55

All: 2518.529+/-626.658 χ^2/NDF: 91.4/103


asym_atl1r2_avg_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4522.821+/-0.955 χ²/NDF: 5581523.9/24
Left Out: 5067.898+/-0.829 χ²/NDF:954253.8/24
Right Out: 4668.277+/-0.919 χ²/NDF: 5959287.4/30
Left In: 5079.715+/-0.853 χ²/NDF:1001241.5/22
Left: 5073.636+/-0.594 χ²/NDF: 1955594.0/47
Right: 4598.373+/-0.662 χ²/NDF: 11552848.6/55
In: 4832.735+/-0.636 χ²/NDF:6771810.8/47
Out: 4888.698+/-0.615 χ²/NDF:7017817.8/55
All: 4861.648+/-0.442 χ²/NDF: 13793624.9/


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.9/24
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/30
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 75.7/55
In: -0.000+/-0.000 χ²/NDF:46.0/47
Out: 0.000+/-0.000 χ²/NDF:65.6/55
All: -0.000+/-0.000 χ²/NDF: 113.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 7871975.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716193.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

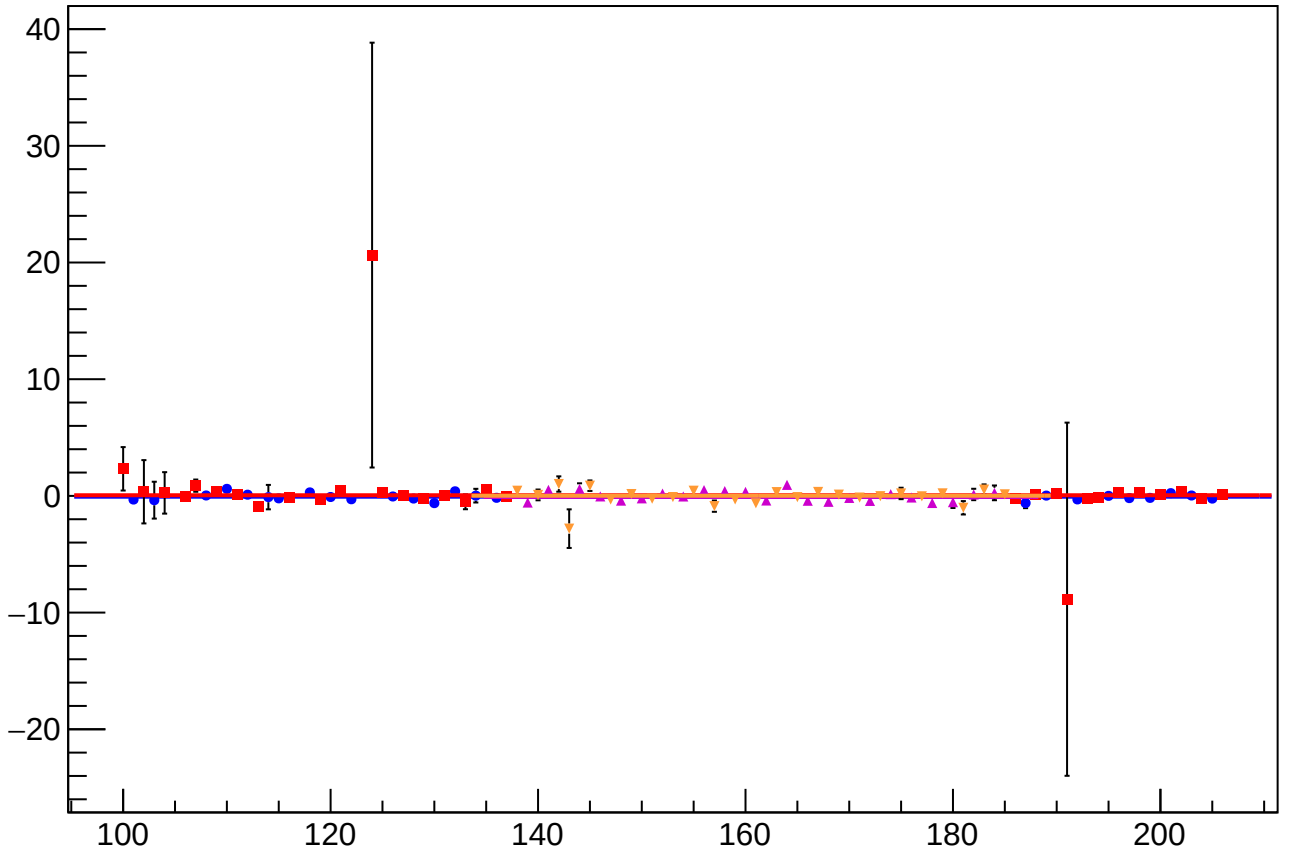
Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17743488.6/55

In: 0.000+/-0.000 χ^2/NDF:9897169.5/47

Out: 0.000+/-0.000 χ^2/NDF:11298593.4/55

All: 0.000+/-0.000 χ^2/NDF: 21332209.4/103



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

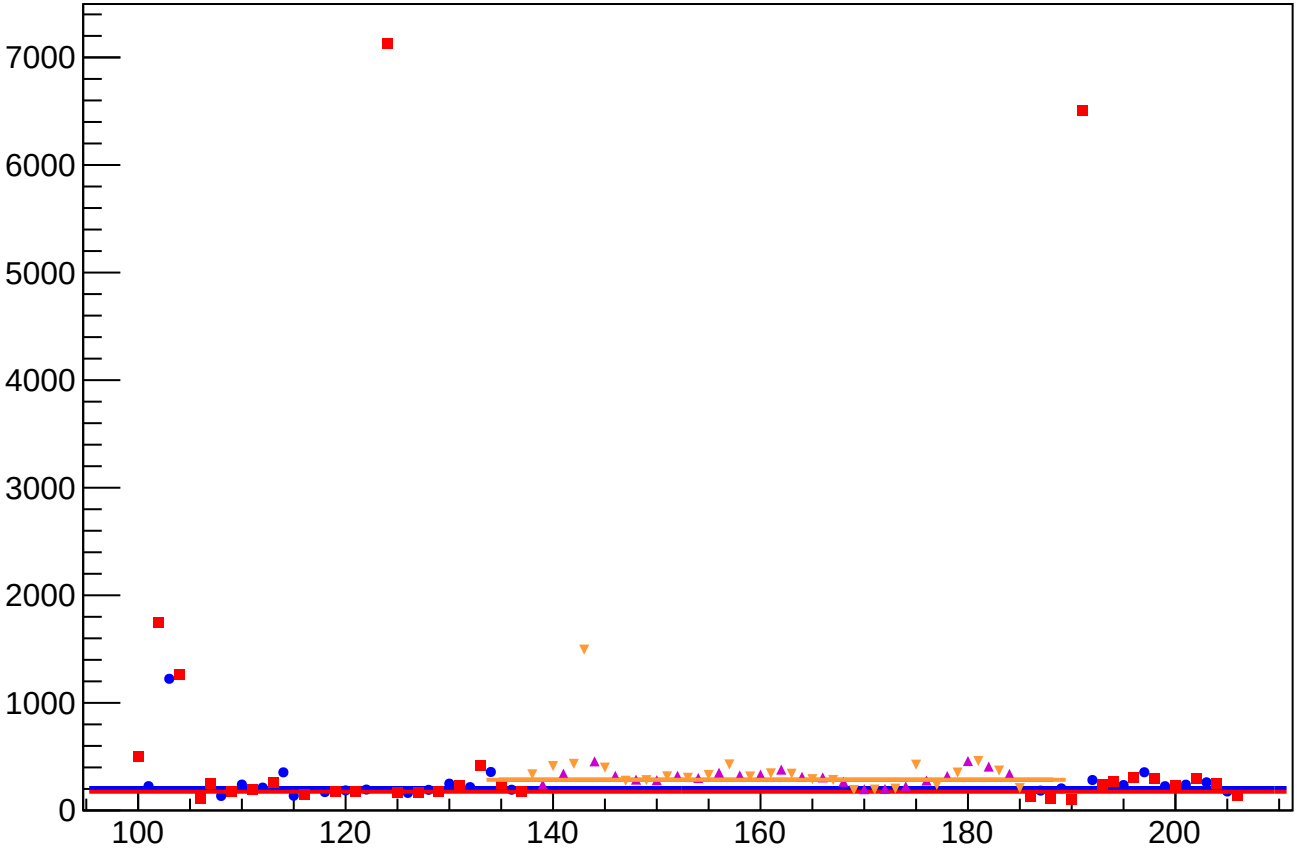
Right: 0.005+/-0.038 χ^2/NDF: 48.6/55

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: -0.011+/-0.030 χ^2/NDF: 109.4/103

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

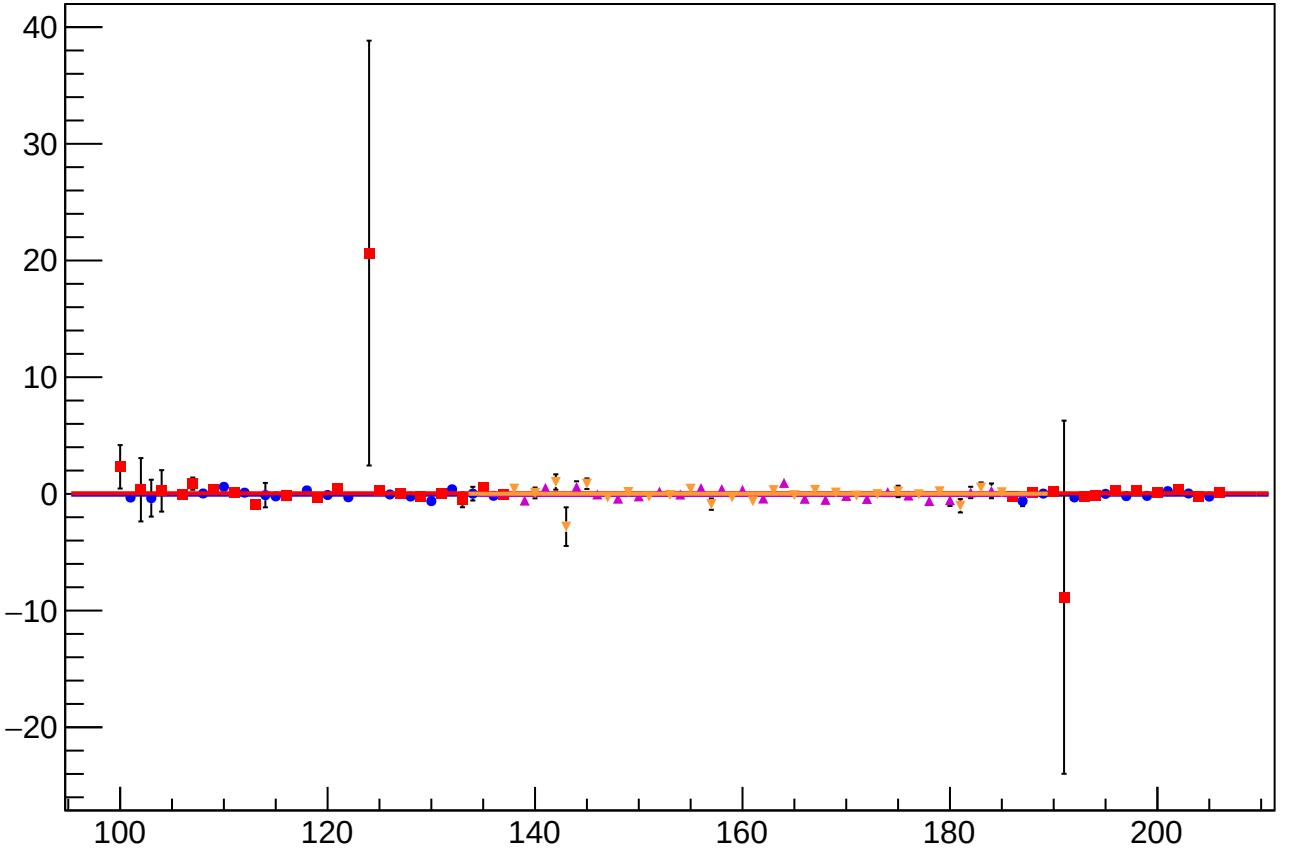
Right: 188.042+/-0.027 χ^2/NDF: 7807471.0/55

In: 241.053+/-0.032 χ^2/NDF:5183525.0/47

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 224.306+/-0.021 χ^2/NDF: 17804944.3/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

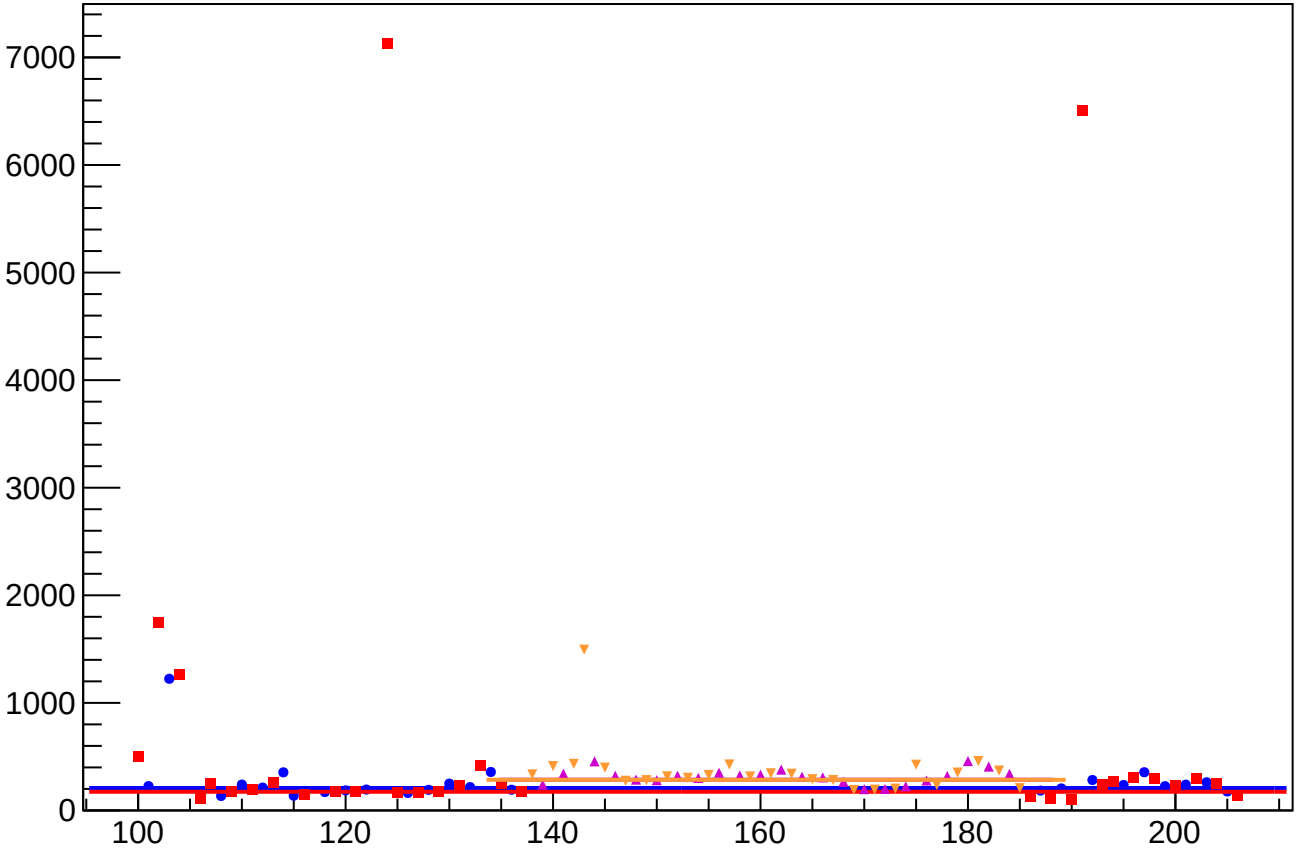
Right: 0.005+/-0.038 χ^2/NDF: 48.6/55

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: -0.011+/-0.030 χ^2/NDF: 109.4/103

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

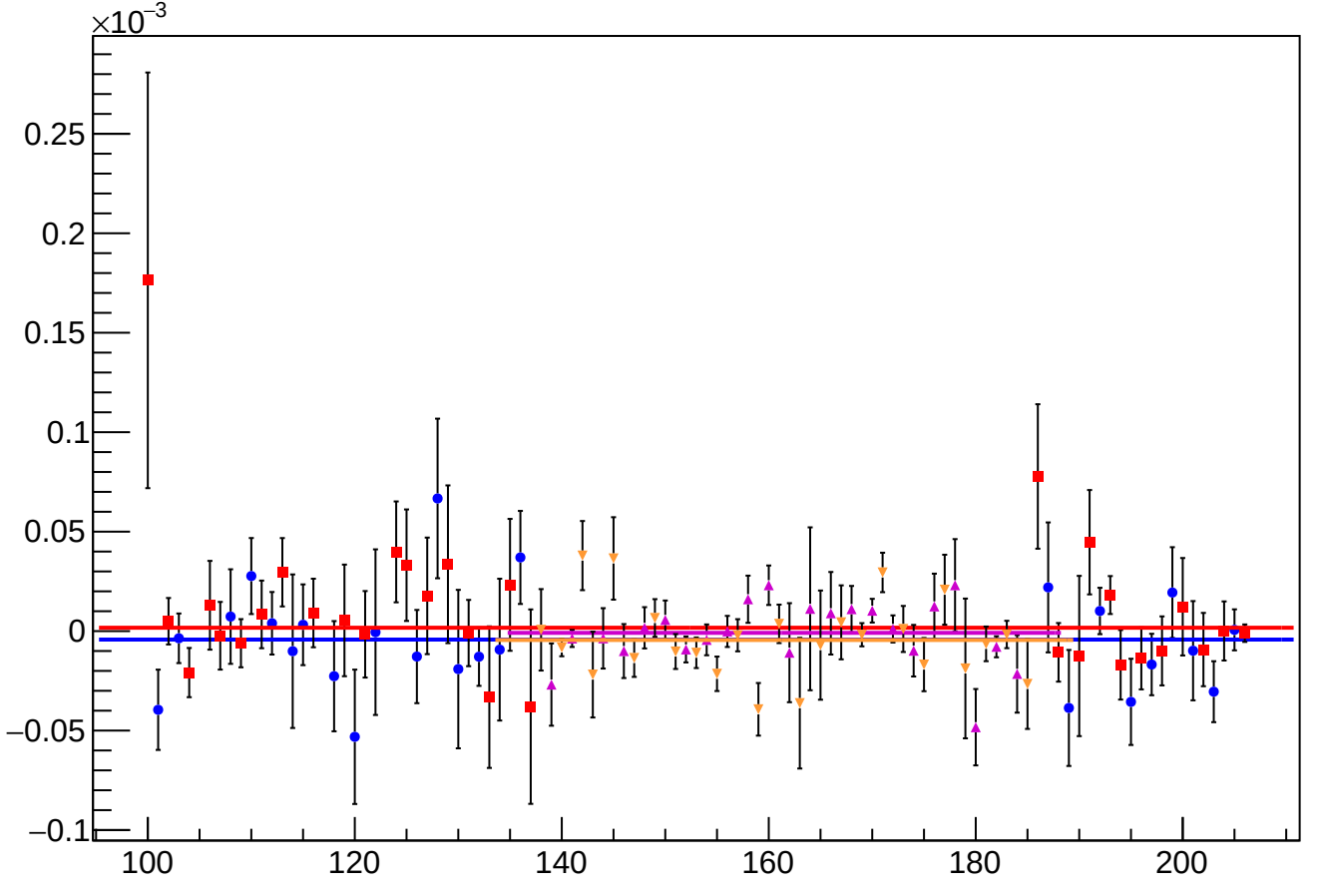
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 188.042+/-0.027 χ^2/NDF: 7807471.0/55

In: 241.053+/-0.032 χ^2/NDF:5183525.0/47

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 224.306+/-0.021 χ^2/NDF: 17804944.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/30

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

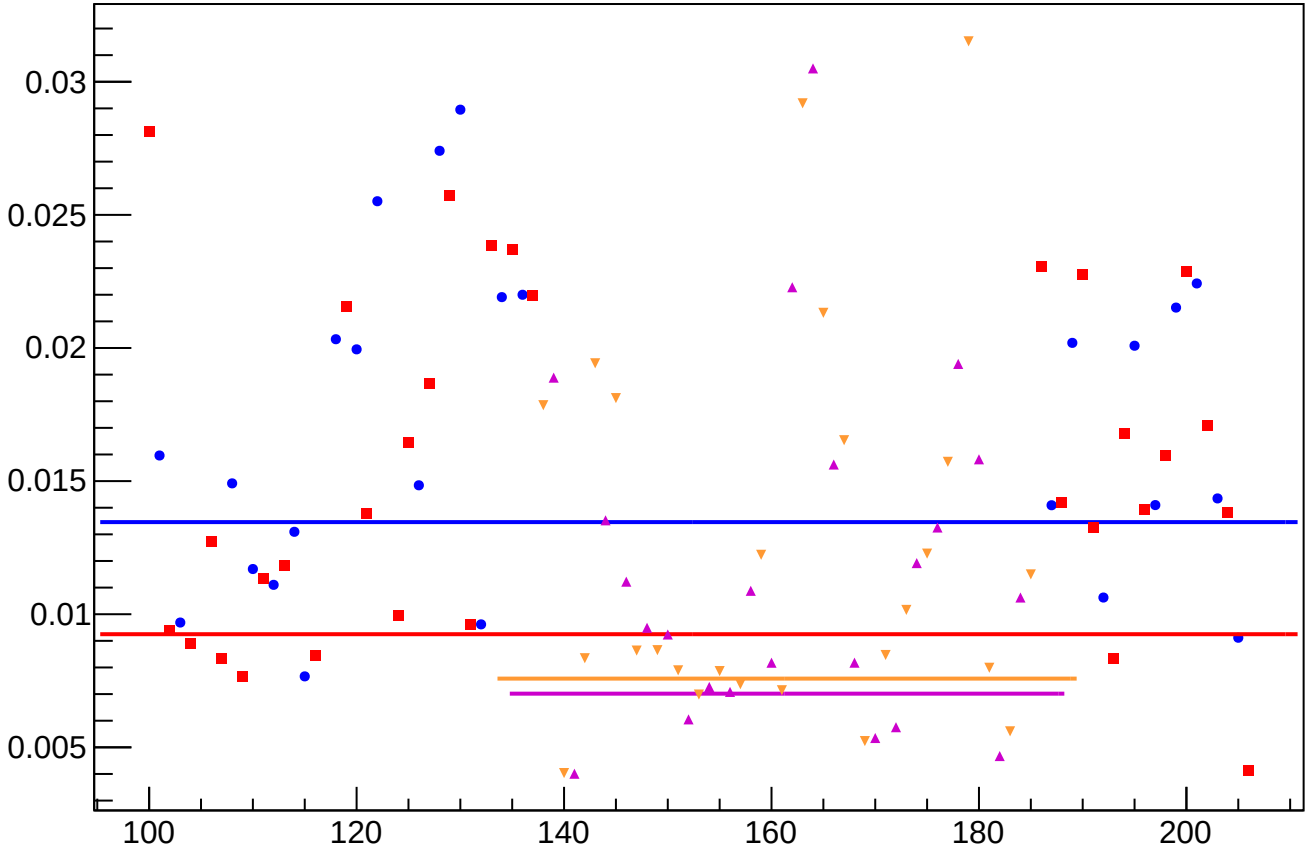
Right: -0.000+/-0.000 χ^2/NDF: 59.0/55

In: -0.000+/-0.000 χ^2/NDF:56.1/47

Out: -0.000+/-0.000 χ^2/NDF:78.2/55

All: -0.000+/-0.000 χ^2/NDF: 134.4/103

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 3163820.5/24

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780844.0/30

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

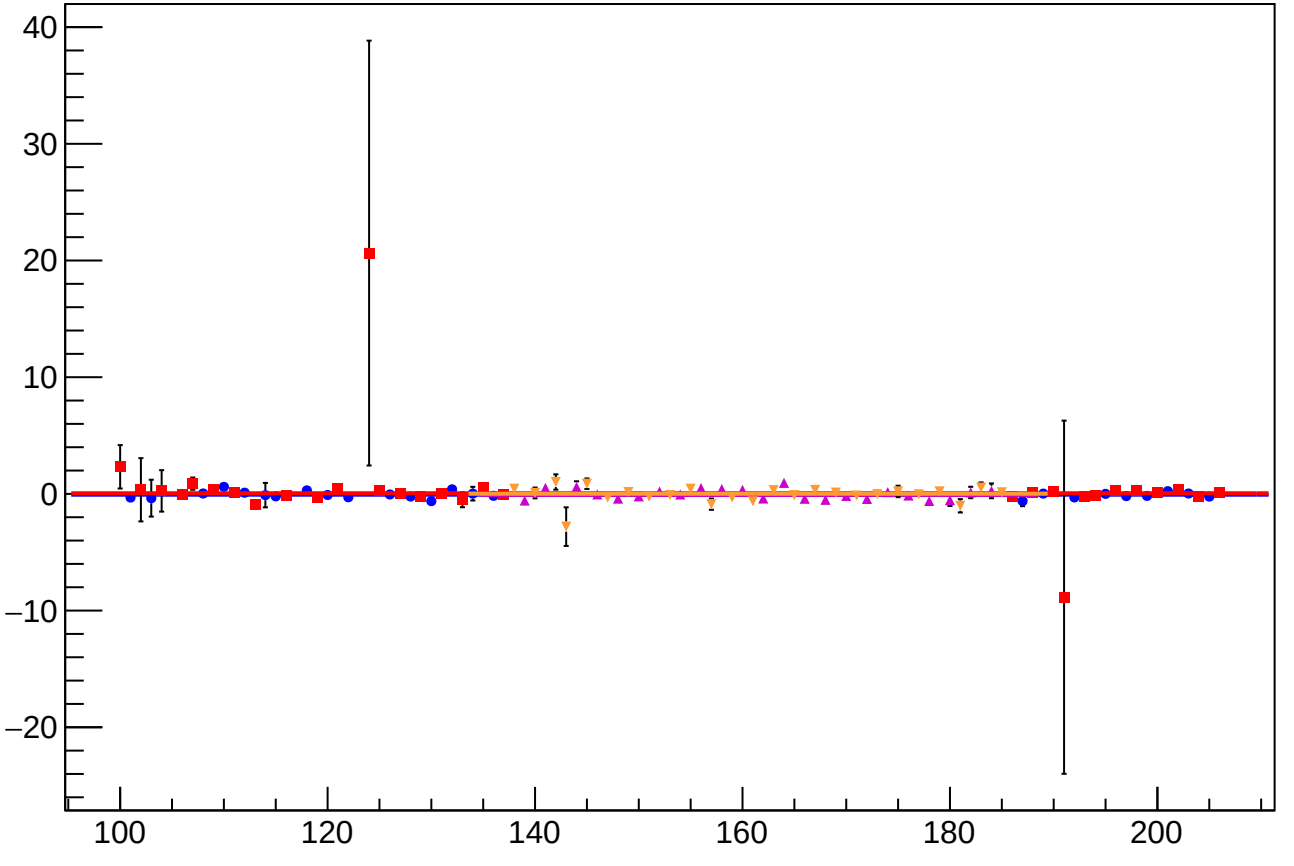
Right: 0.011+/-0.000 χ^2/NDF: 12546890.5/55

In: 0.008+/-0.000 χ^2/NDF:14357733.5/47

Out: 0.008+/-0.000 χ^2/NDF:15637784.5/55

All: 0.008+/-0.000 χ^2/NDF: 29999430.0/103

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

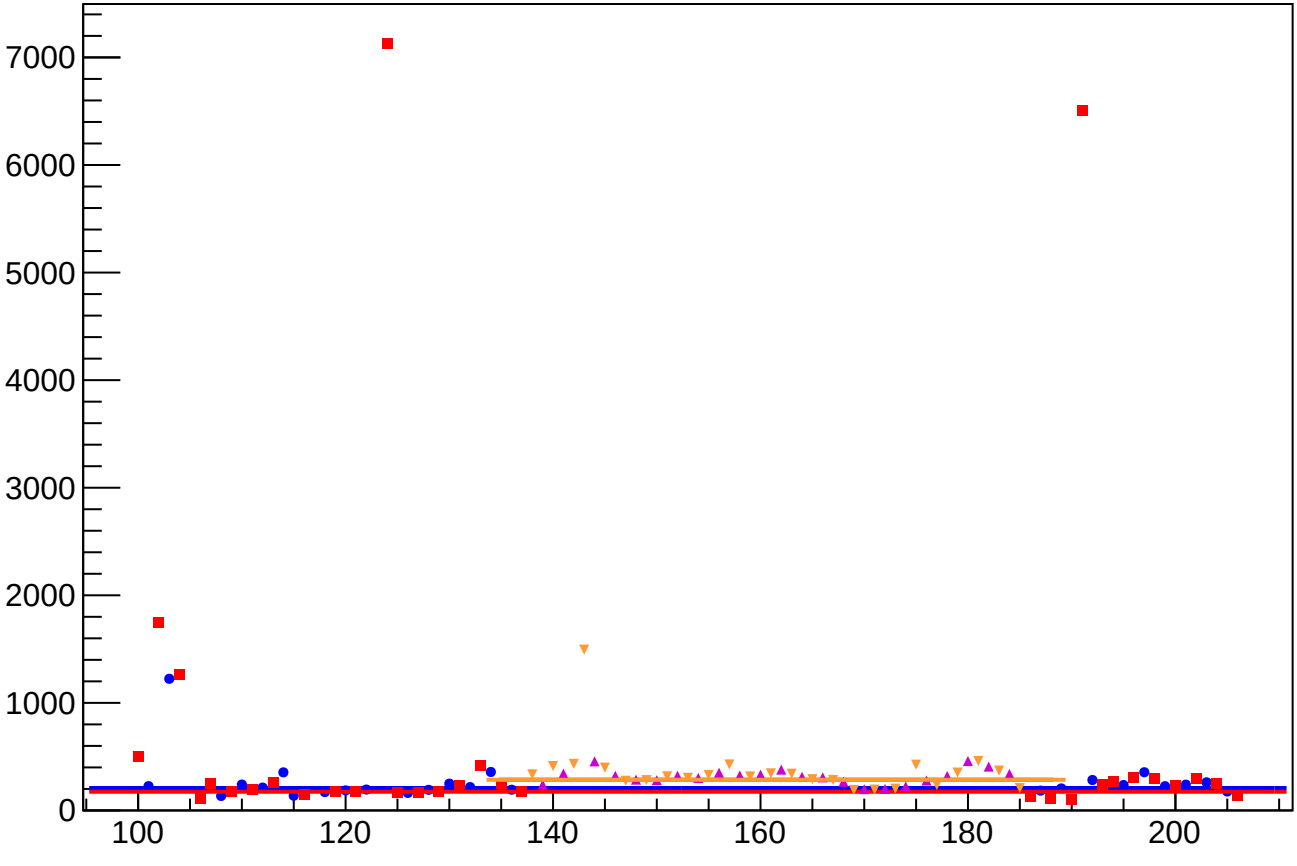
Right: 0.005+/-0.038 χ^2/NDF: 48.6/55

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: -0.011+/-0.030 χ^2/NDF: 109.4/103

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

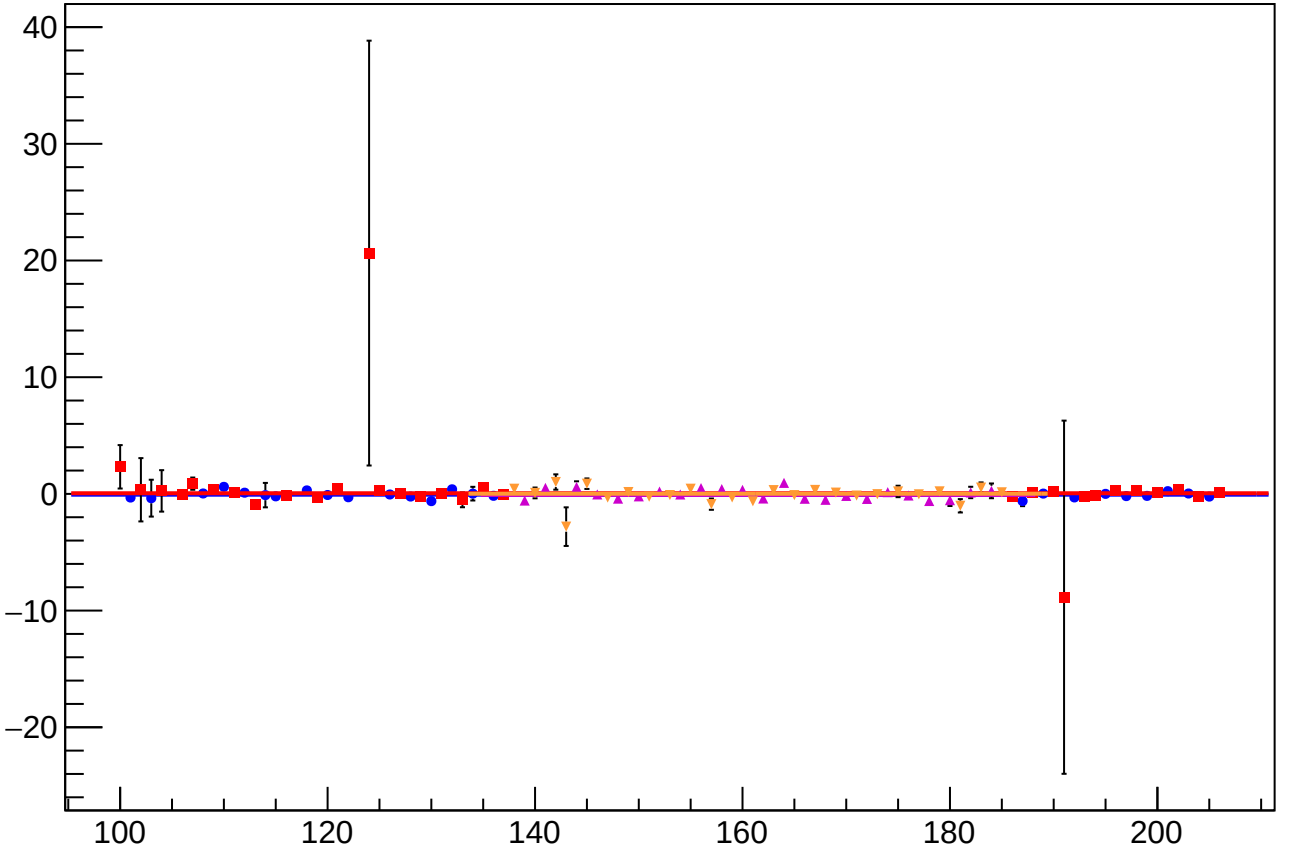
Right: 188.040+/-0.027 χ^2/NDF: 7807674.6/55

In: 241.052+/-0.032 χ^2/NDF:5183702.9/47

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 224.305+/-0.021 χ^2/NDF: 17805643.4/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

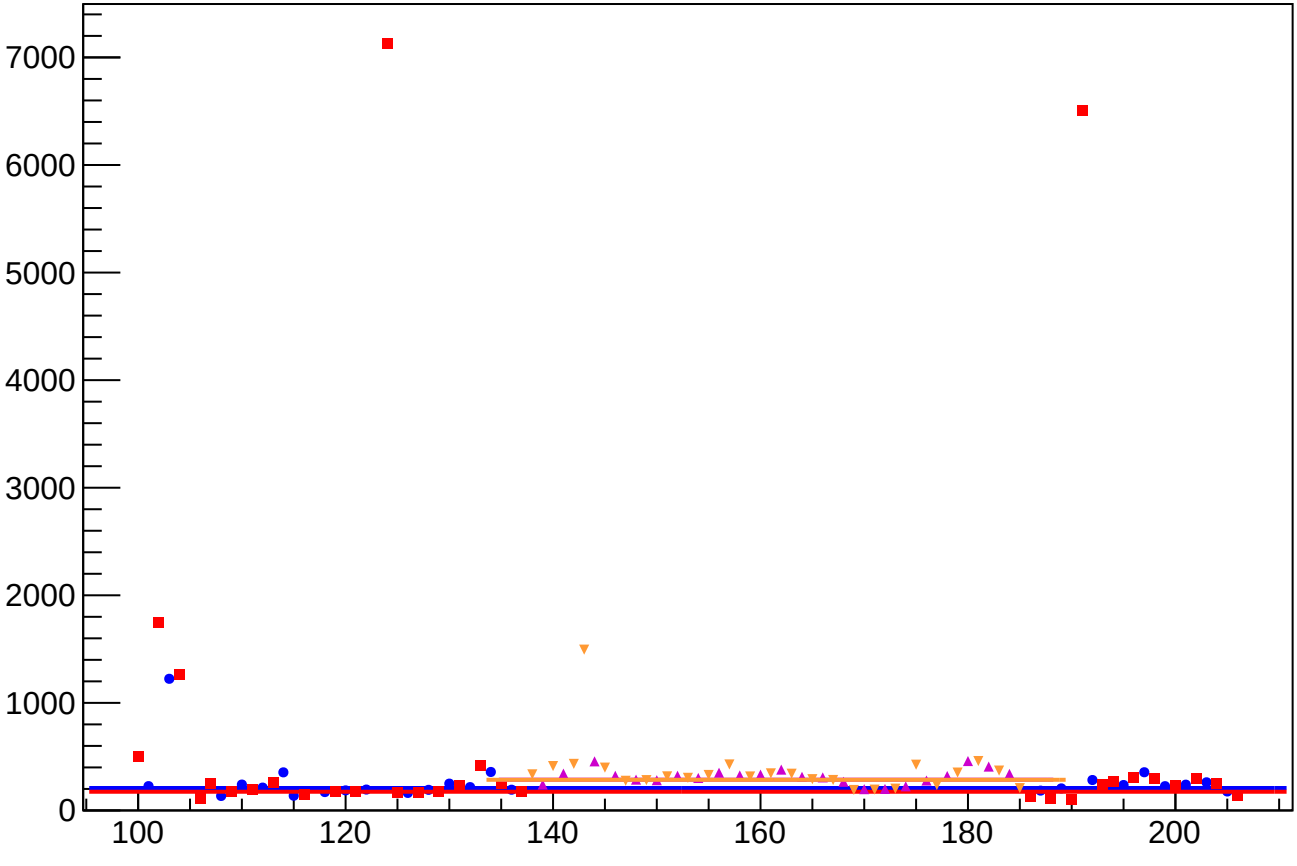
Right: 0.005+/-0.038 χ^2/NDF: 48.6/55

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: -0.011+/-0.030 χ^2/NDF: 109.4/103

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

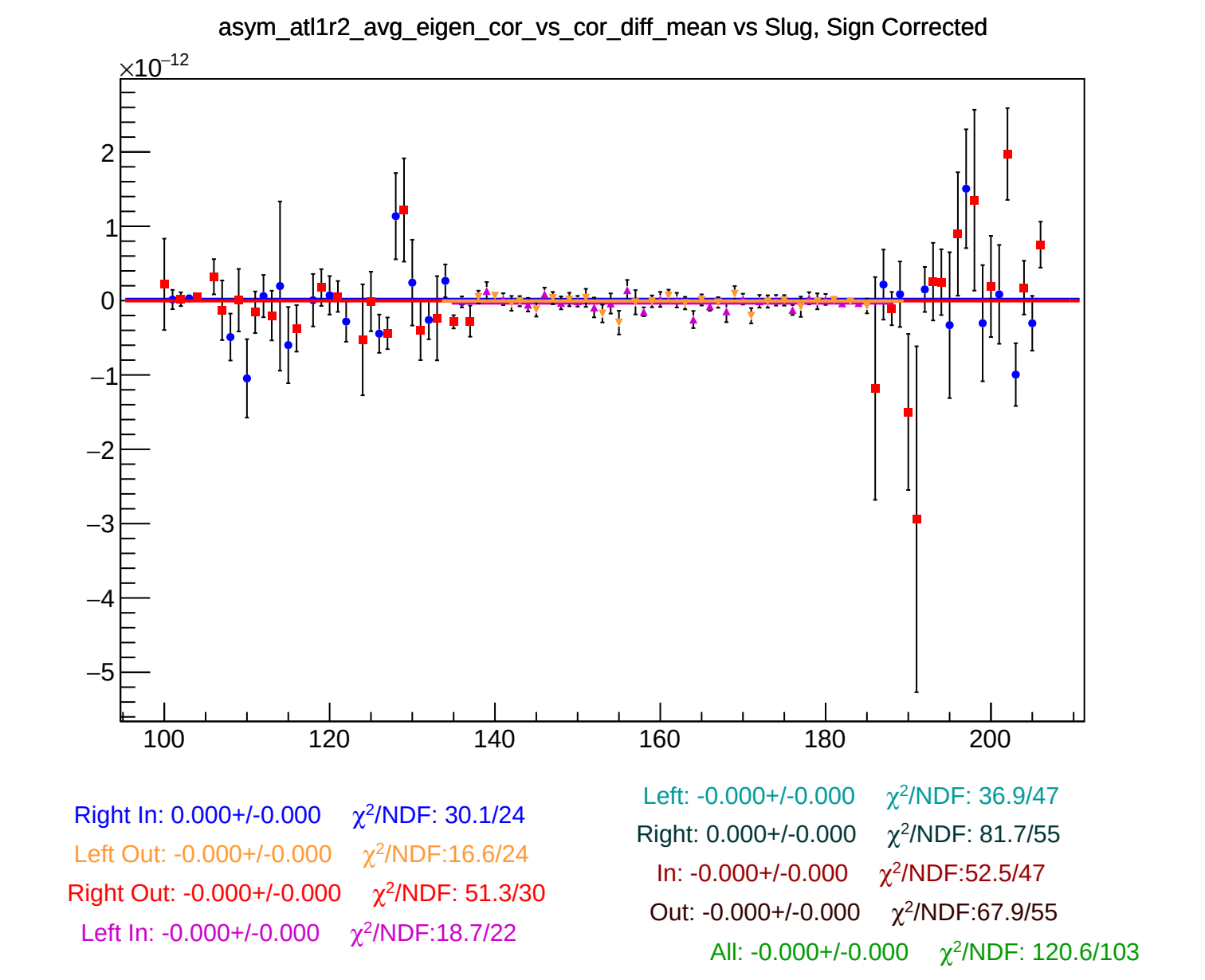
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

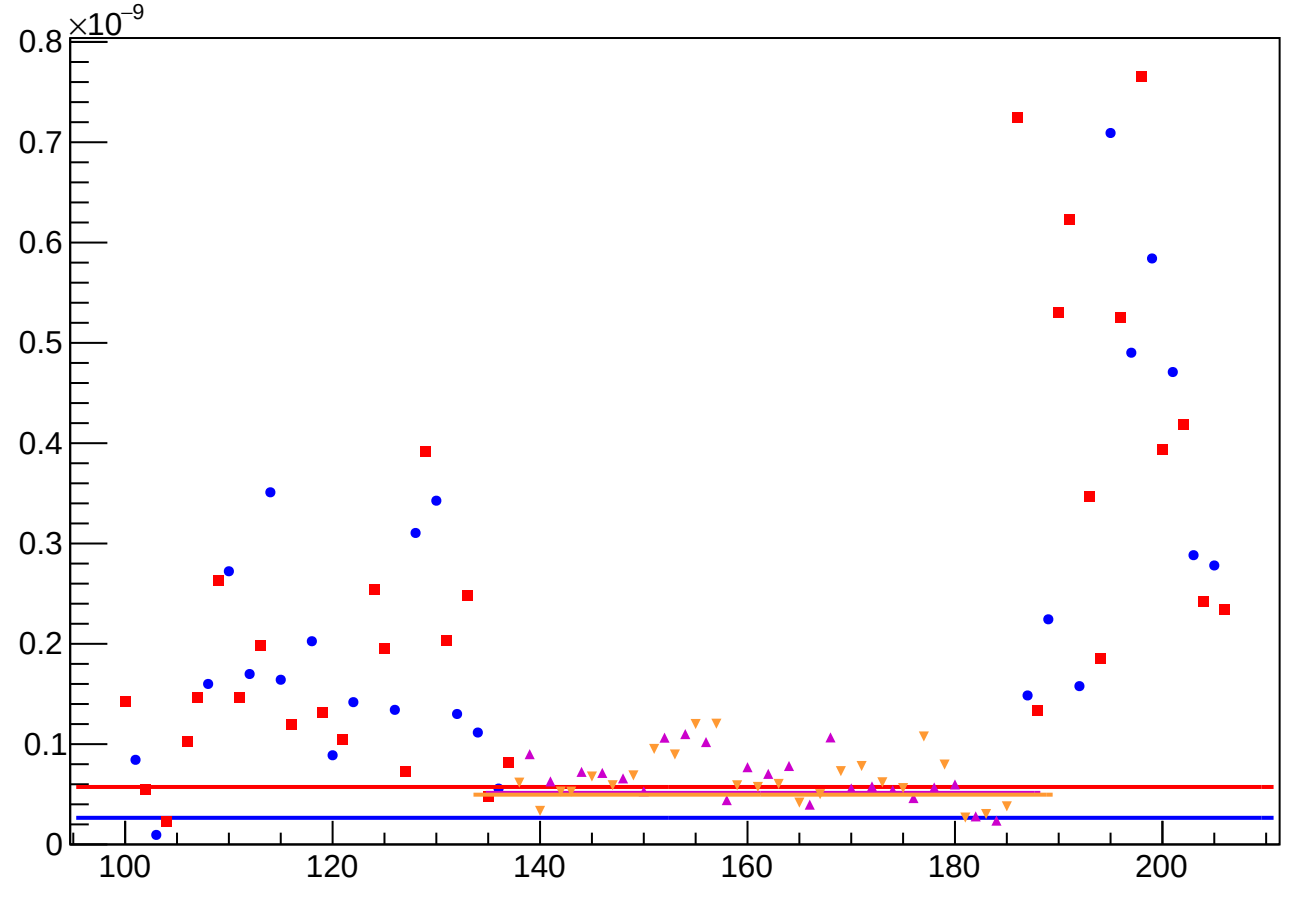
Right: 188.040+/-0.027 χ^2/NDF: 7807674.6/55

In: 241.052+/-0.032 χ^2/NDF:5183702.9/47

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 224.305+/-0.021 χ^2/NDF: 17805643.4/10


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.1/24
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.3/30
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 81.7/55
In: -0.000+/-0.000 χ²/NDF:52.5/47
Out: -0.000+/-0.000 χ²/NDF:67.9/55
All: -0.000+/-0.000 χ²/NDF: 120.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 12653506.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10037901.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

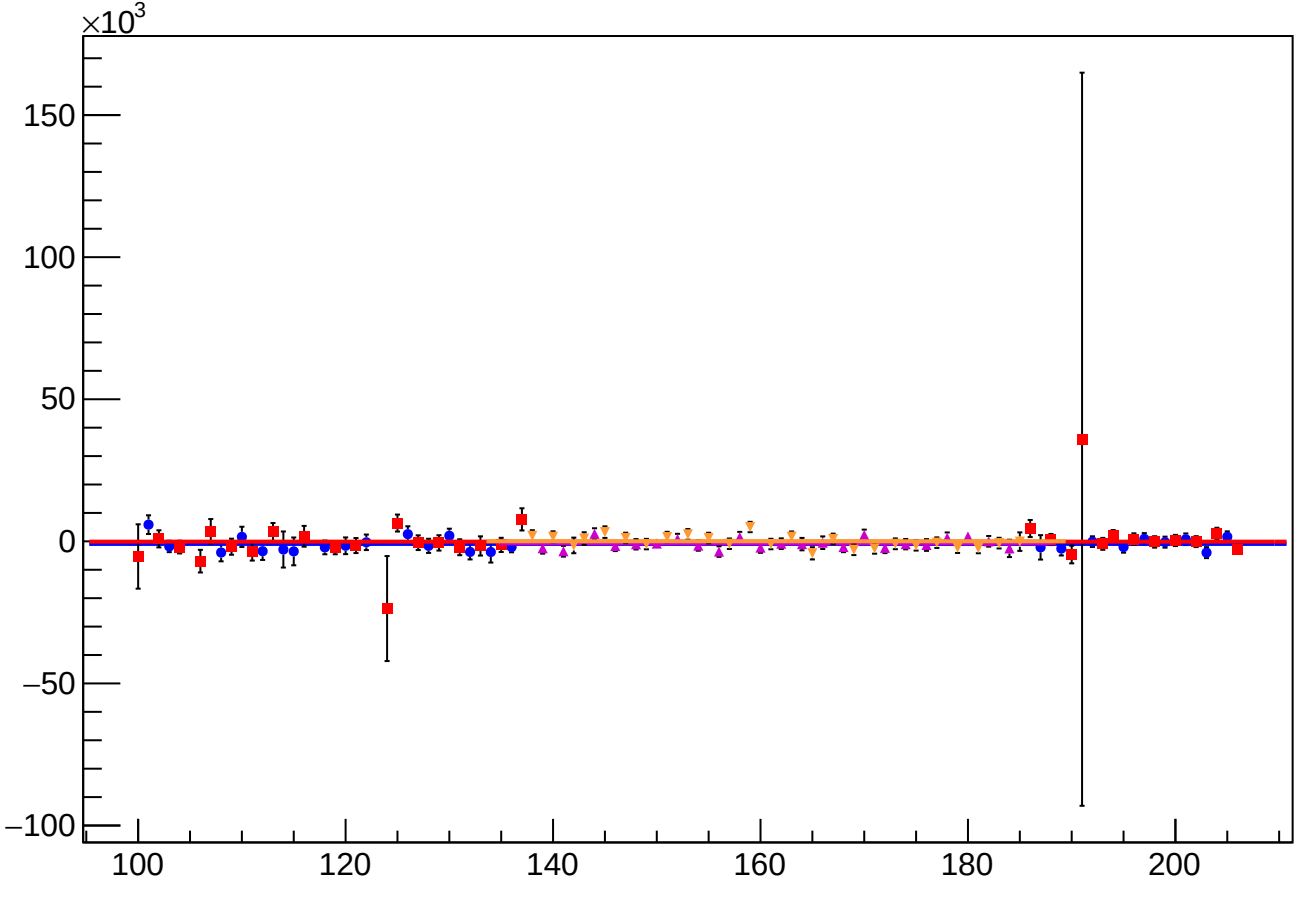
Right: 0.000+/-0.000 χ^2/NDF: 24099543.1/55

In: 0.000+/-0.000 χ^2/NDF:18171399.3/47

Out: 0.000+/-0.000 χ^2/NDF:14022881.3/55

All: 0.000+/-0.000 χ^2/NDF: 32672835.6/103

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -907.277+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.605+/-465.643 χ^2/NDF: 31.5/30

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

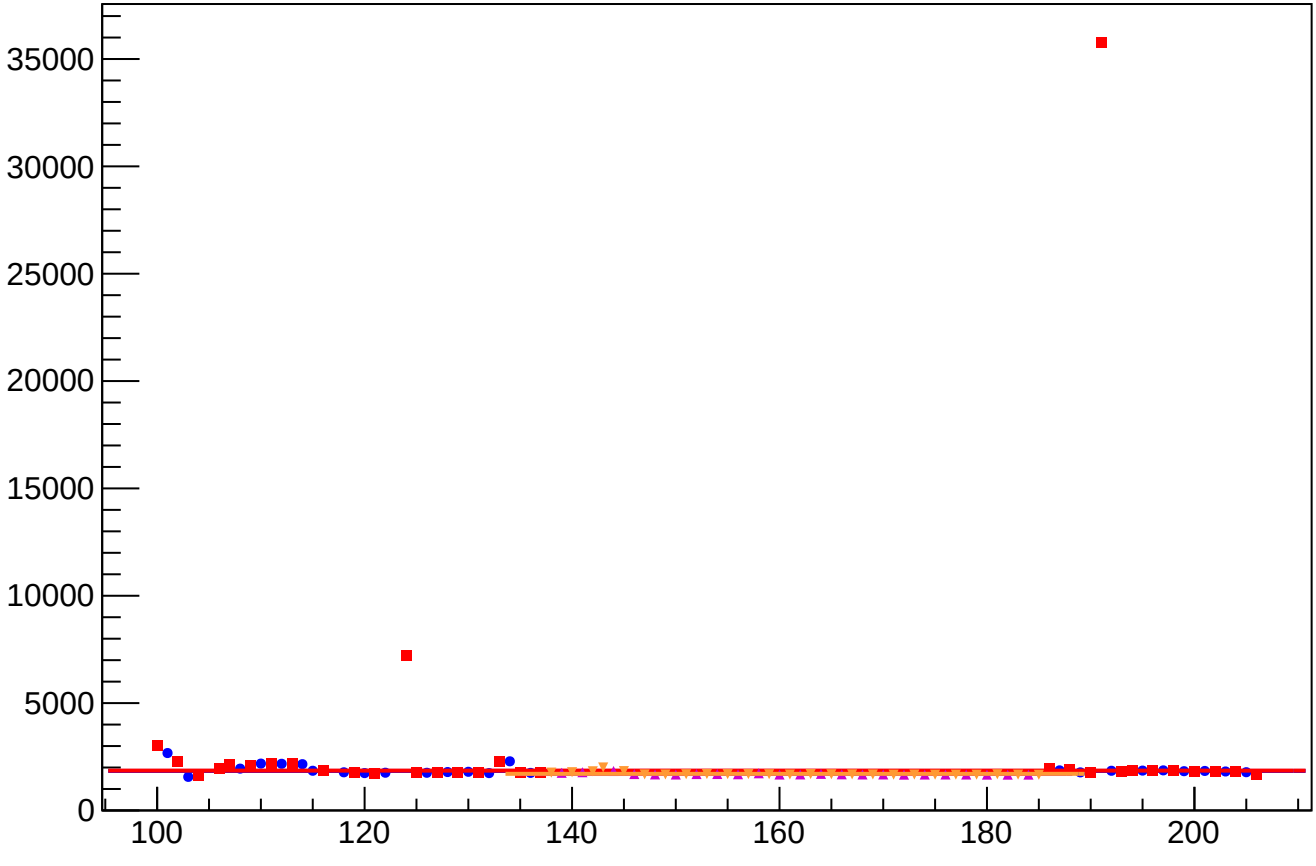
Right: -483.195+/-338.251 χ^2/NDF: 52.0/55

In: -793.395+/-308.744 χ^2/NDF:38.3/47

Out: -28.772+/-297.960 χ^2/NDF:61.0/55

All: -397.496+/-214.401 χ^2/NDF: 102.5/103

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1840.320+/-0.348 χ^2/NDF: 264876.7/24

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.277+/-0.329 χ^2/NDF: 535452.2/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

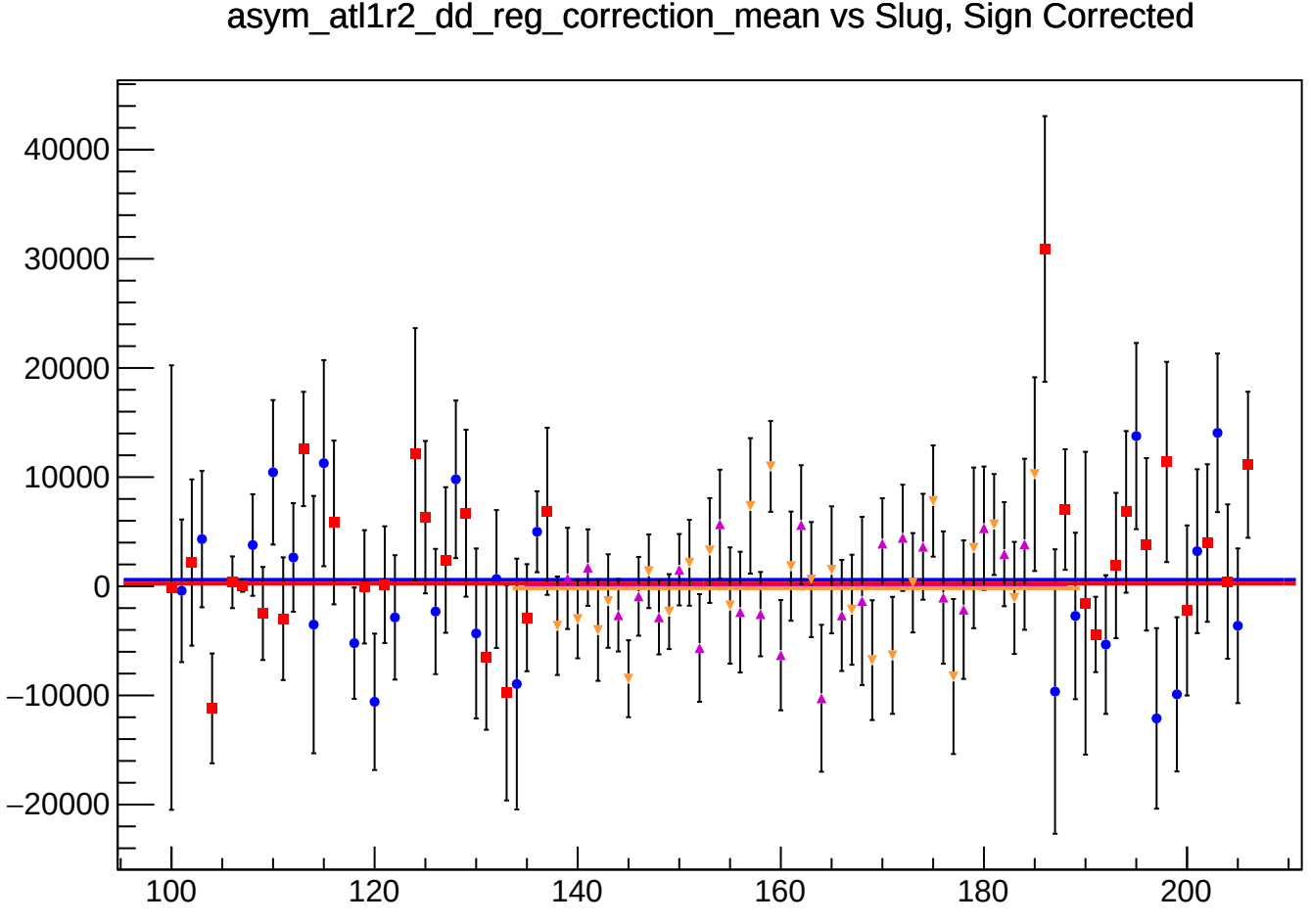
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1848.220+/-0.239 χ^2/NDF: 801304.5/55

In: 1753.710+/-0.218 χ^2/NDF:388141.3/47

Out: 1766.980+/-0.211 χ^2/NDF:717504.7/55

All: 1760.583+/-0.152 χ^2/NDF: 1107559.7/10



Right In: 587.472+/-1295.268 χ^2/NDF: 26.4/24

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 240.286+/-488.773 χ^2/NDF: 33.3/30

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

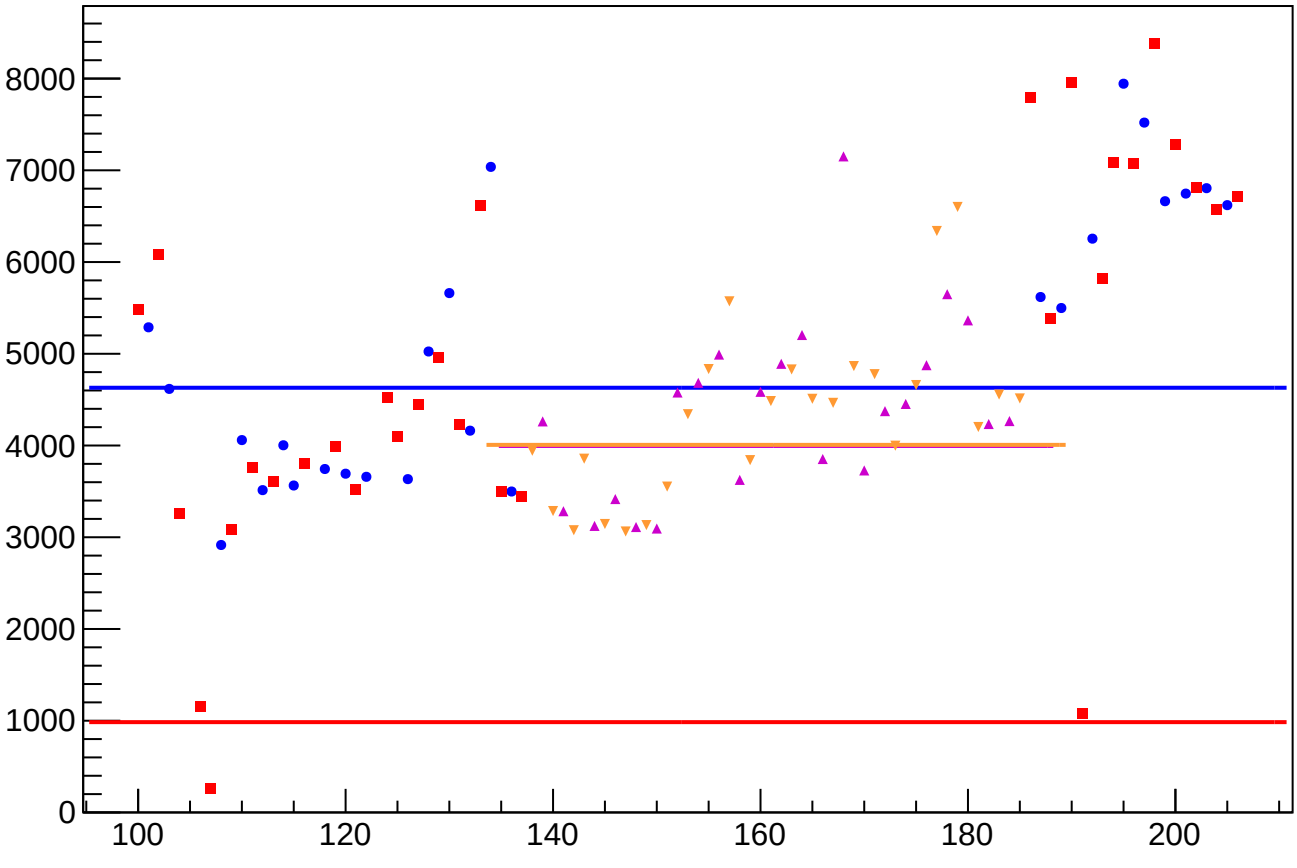
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 283.561+/-457.297 χ^2/NDF: 59.8/55

In: 170.747+/-769.384 χ^2/NDF:40.9/47

Out: 151.012+/-433.172 χ^2/NDF:61.4/55

All: 155.762+/-377.460 χ^2/NDF: 102.2/103



Right In: 4629.680+/-0.916 χ^2/NDF: 2364640.6/24

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 984.555+/-0.346 χ^2/NDF: 23867516.9/30

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

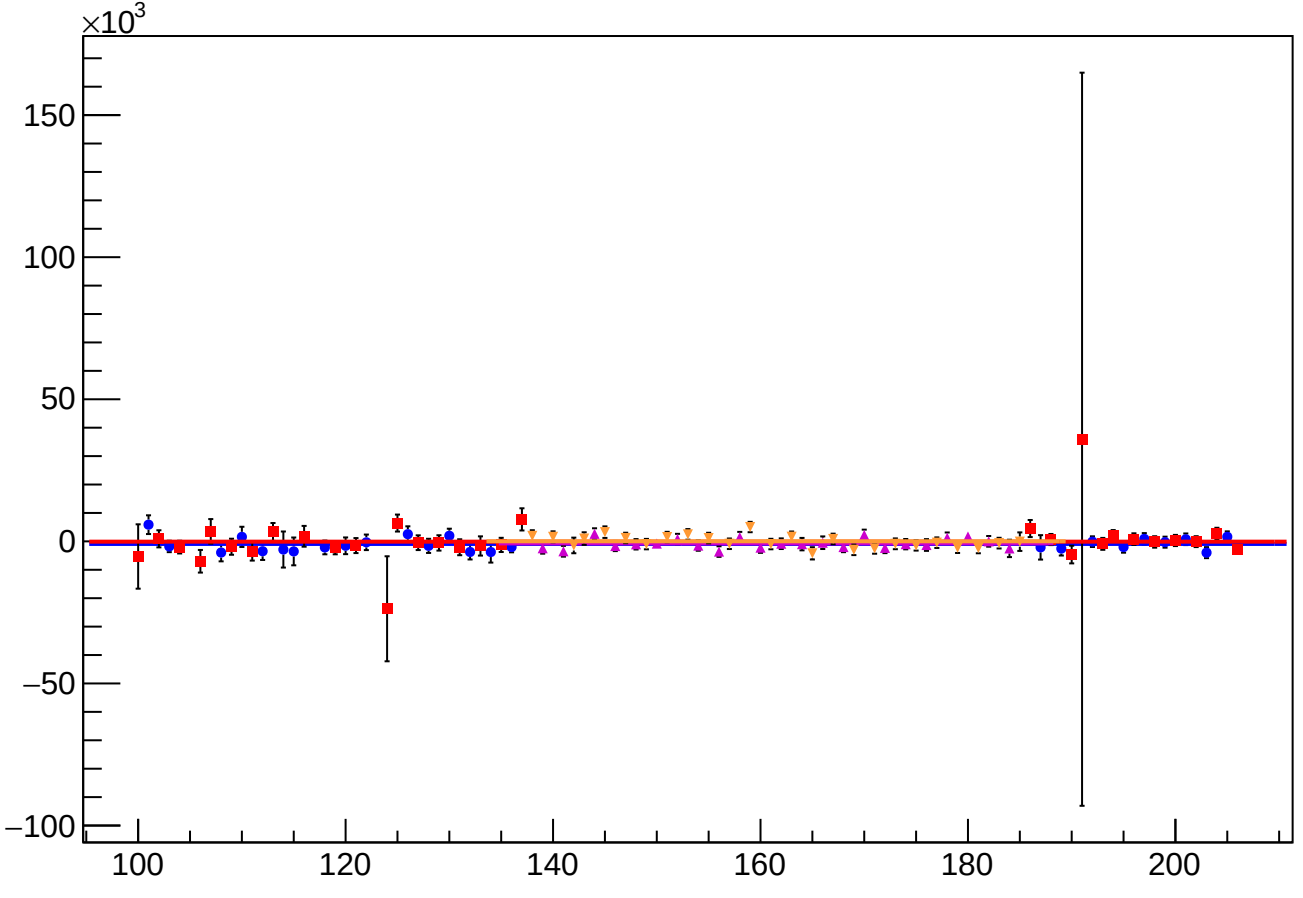
Right: 1438.905+/-0.323 χ^2/NDF: 40097134.3/55

In: 4218.918+/-0.544 χ^2/NDF:4213550.5/47

Out: 1633.078+/-0.306 χ^2/NDF:41780859.8/55

All: 2255.460+/-0.267 χ^2/NDF: 63148469.7/1

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.760+/-465.644 χ^2/NDF: 31.5/30

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

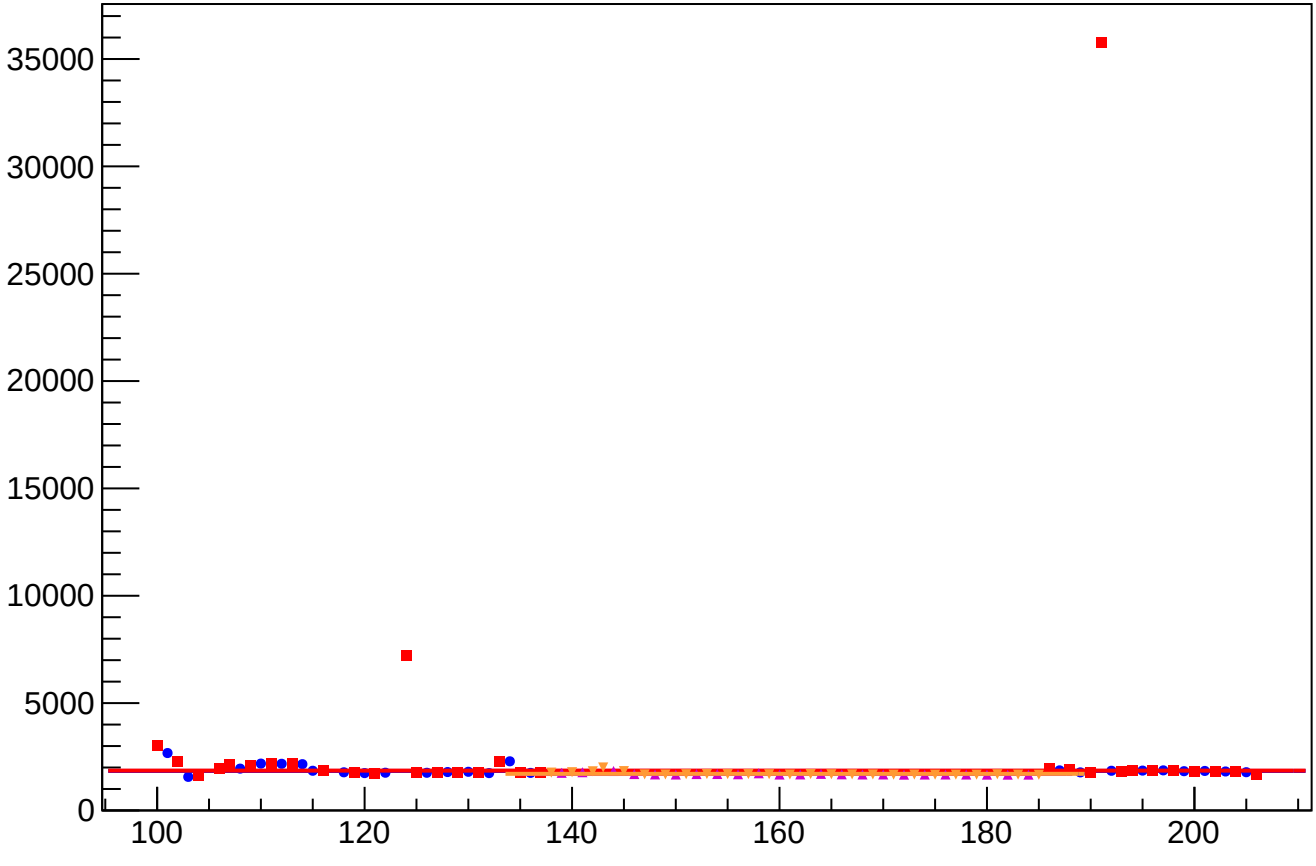
Right: -483.170+/-338.251 χ^2/NDF: 52.1/55

In: -793.231+/-308.744 χ^2/NDF:38.3/47

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -397.428+/-214.401 χ^2/NDF: 102.5/103

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

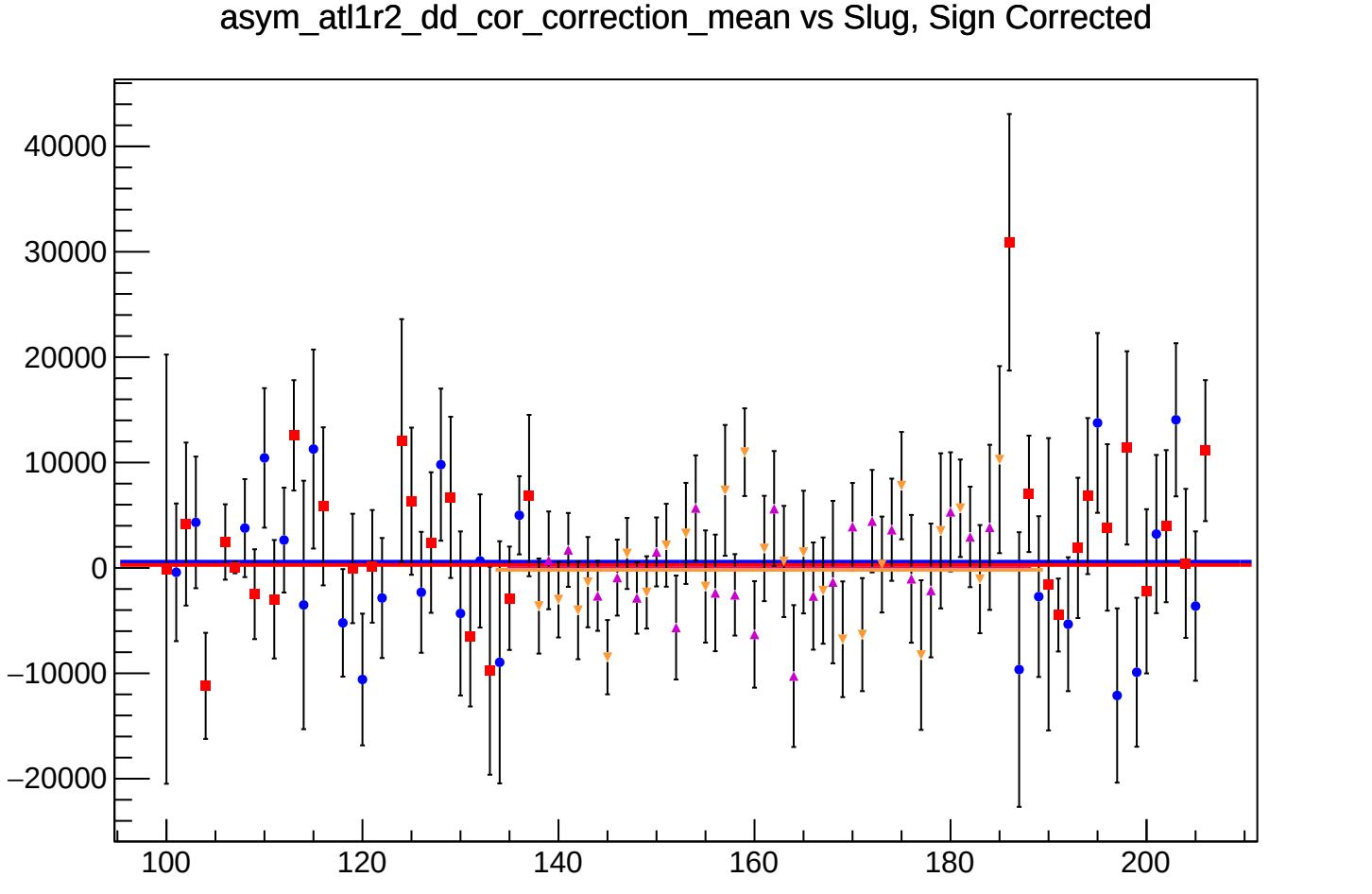
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

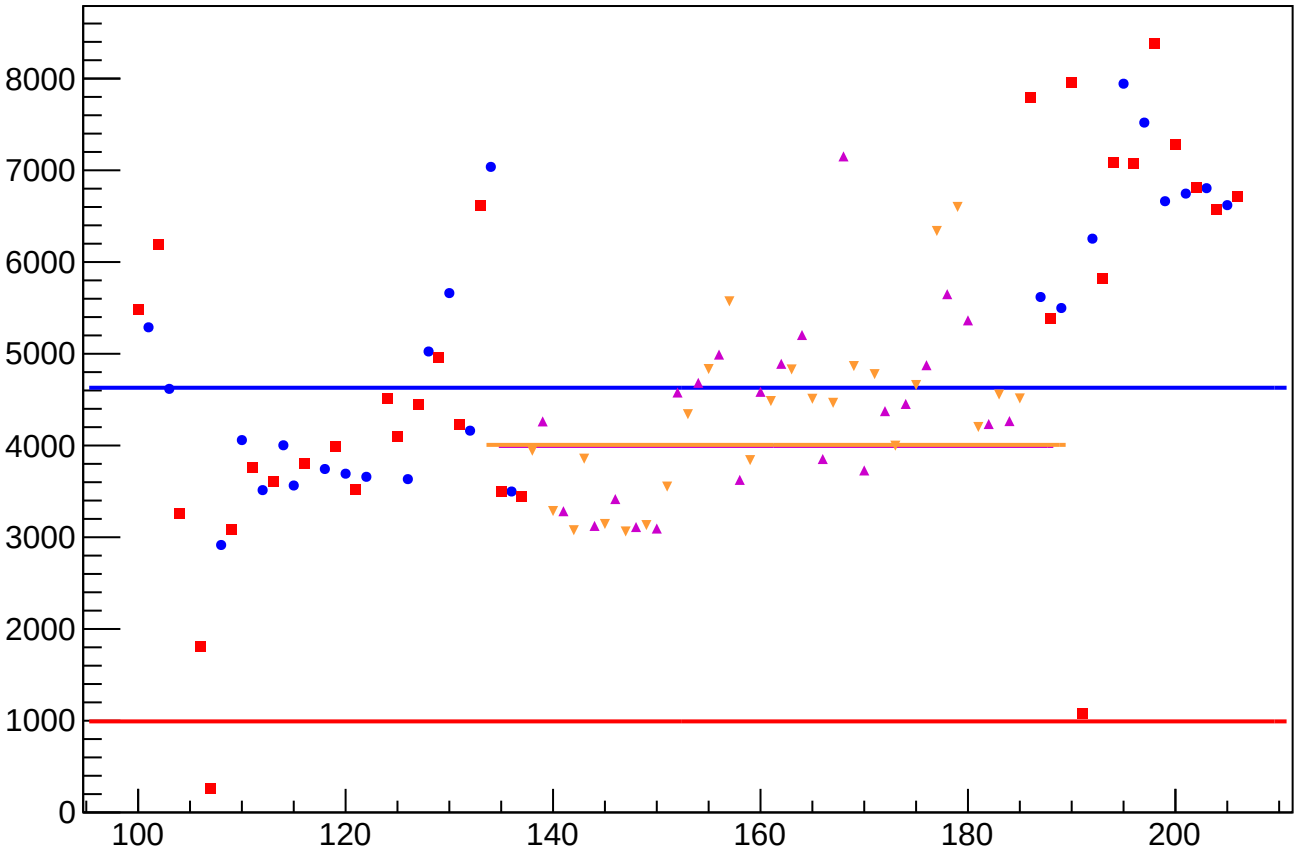
Right: 1848.321+/-0.239 χ^2/NDF: 801673.5/55

In: 1753.710+/-0.218 χ^2/NDF:388140.7/47

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1760.620+/-0.152 χ^2/NDF: 1108225.5/10


asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 587.424+/-1295.272 χ²/NDF: 26.4/24
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: 284.148+/-494.751 χ²/NDF: 33.9/30
Left In: -56.377+/-956.388 χ²/NDF:14.3/22
Left: -117.407+/-668.630 χ²/NDF: 42.2/47
Right: 322.761+/-462.183 χ²/NDF: 60.3/55
In: 170.775+/-769.385 χ²/NDF:40.9/47
Out: 183.569+/-437.318 χ²/NDF:62.0/55
All: 180.444+/-380.193 χ²/NDF: 102.9/103



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

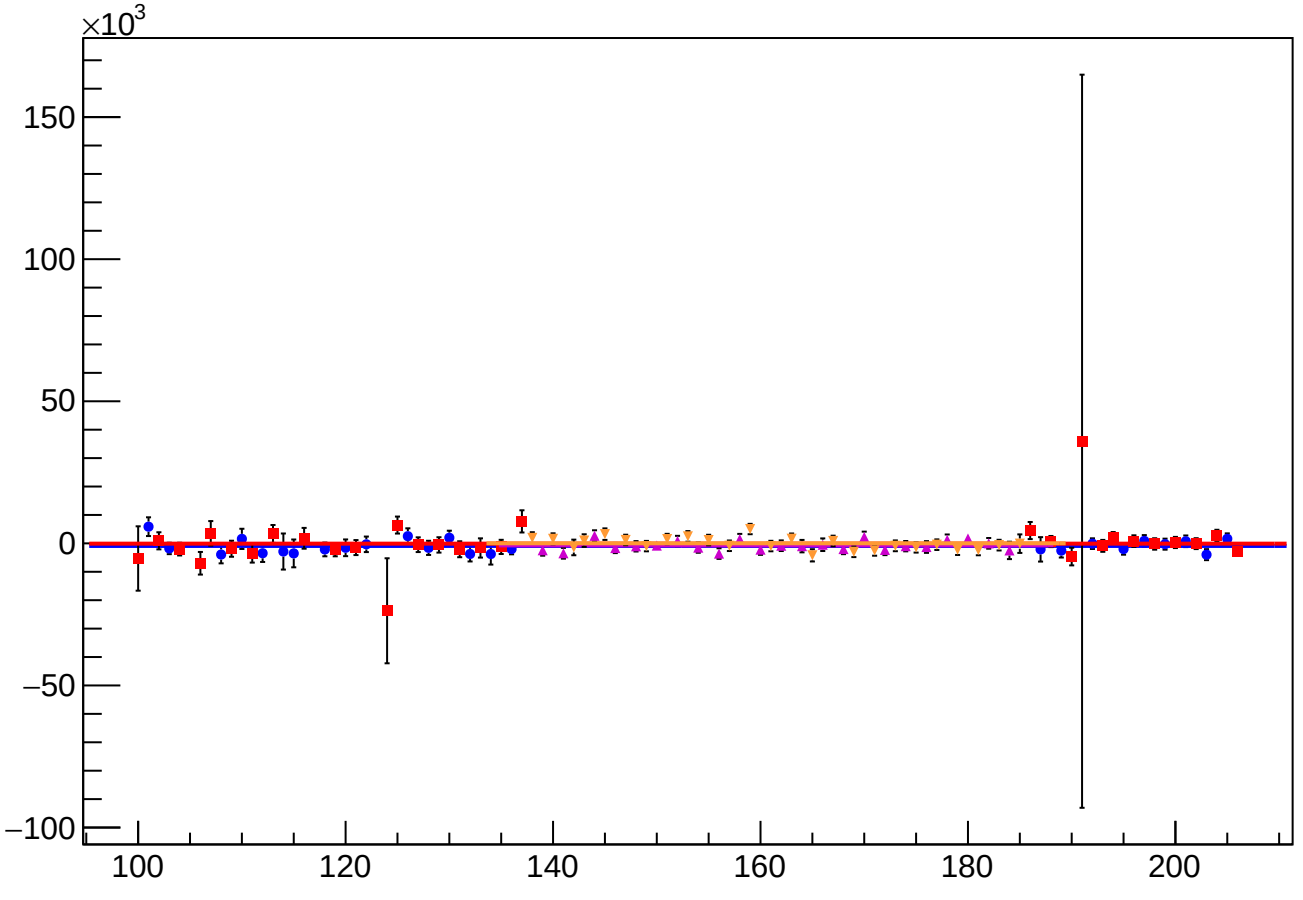
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1455.724+/-0.327 χ^2/NDF: 40100644.3/55

In: 4218.920+/-0.544 χ^2/NDF:4213555.6/47

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2278.710+/-0.269 χ^2/NDF: 62755844.0/



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.760+/-465.644 χ^2/NDF: 31.5/30

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

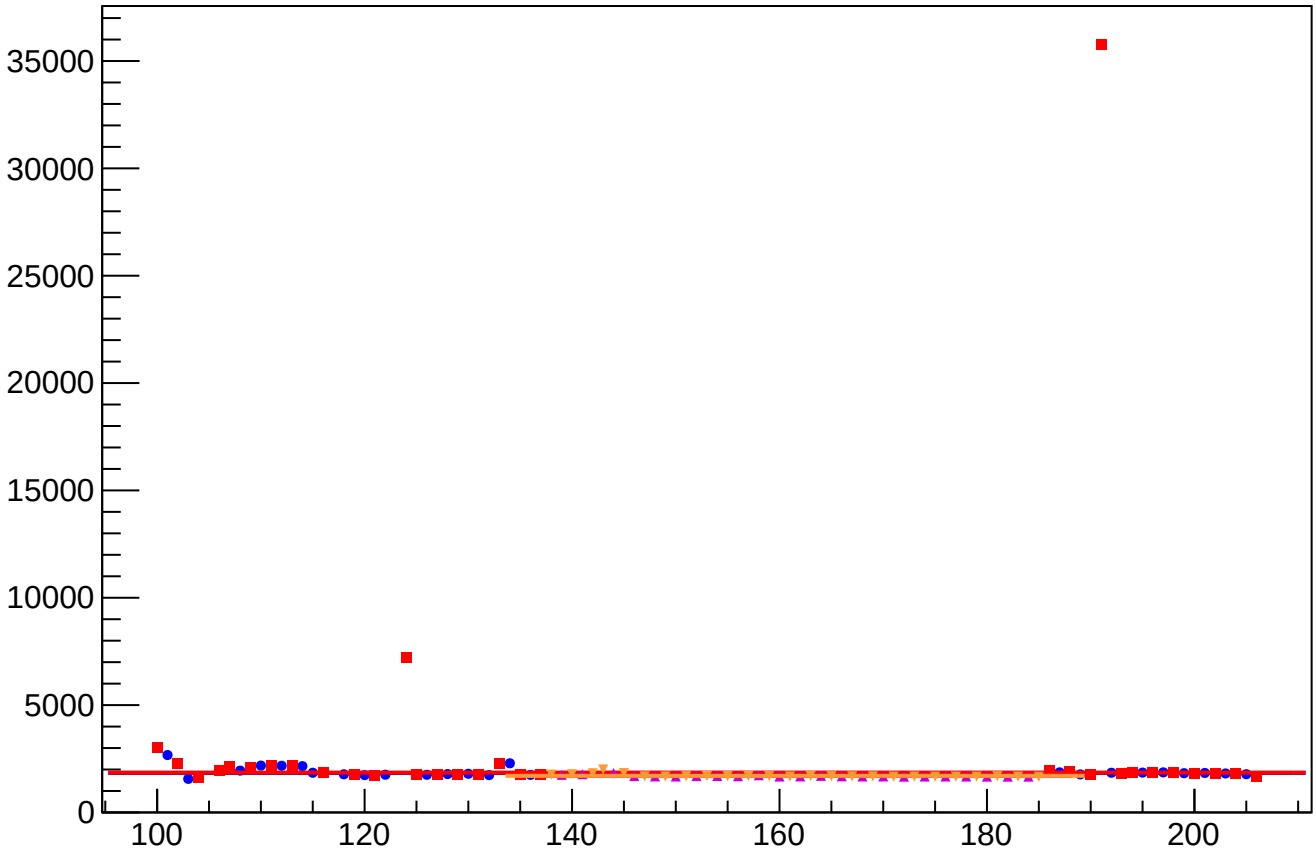
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -483.170+/-338.251 χ^2/NDF: 52.1/55

In: -793.231+/-308.744 χ^2/NDF:38.3/47

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -397.428+/-214.401 χ^2/NDF: 102.5/103



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

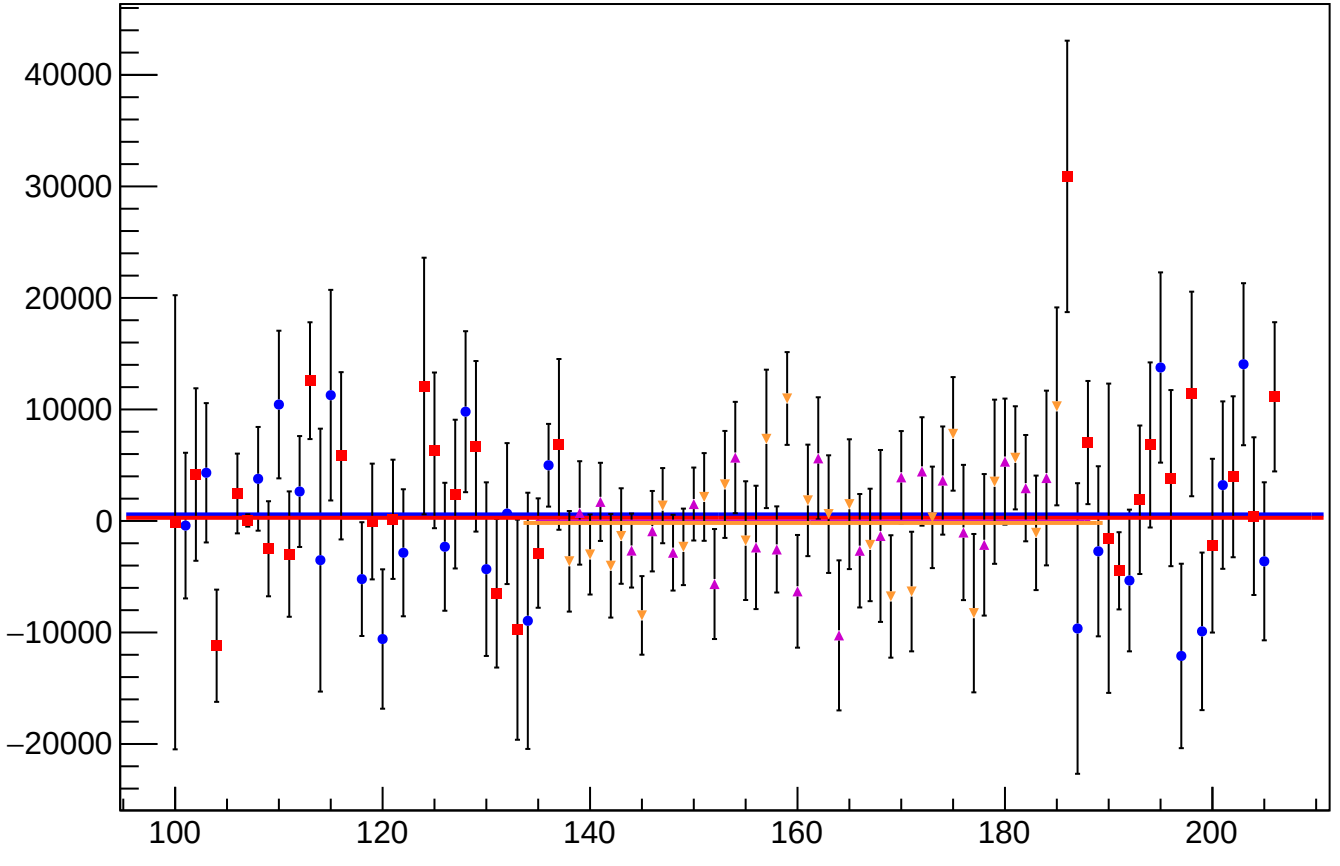
Right: 1848.321+/-0.239 χ^2/NDF: 801673.5/55

In: 1753.710+/-0.218 χ^2/NDF:388140.7/47

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1760.620+/-0.152 χ^2/NDF: 1108225.5/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 284.148+/-494.751 χ^2/NDF: 33.9/30

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

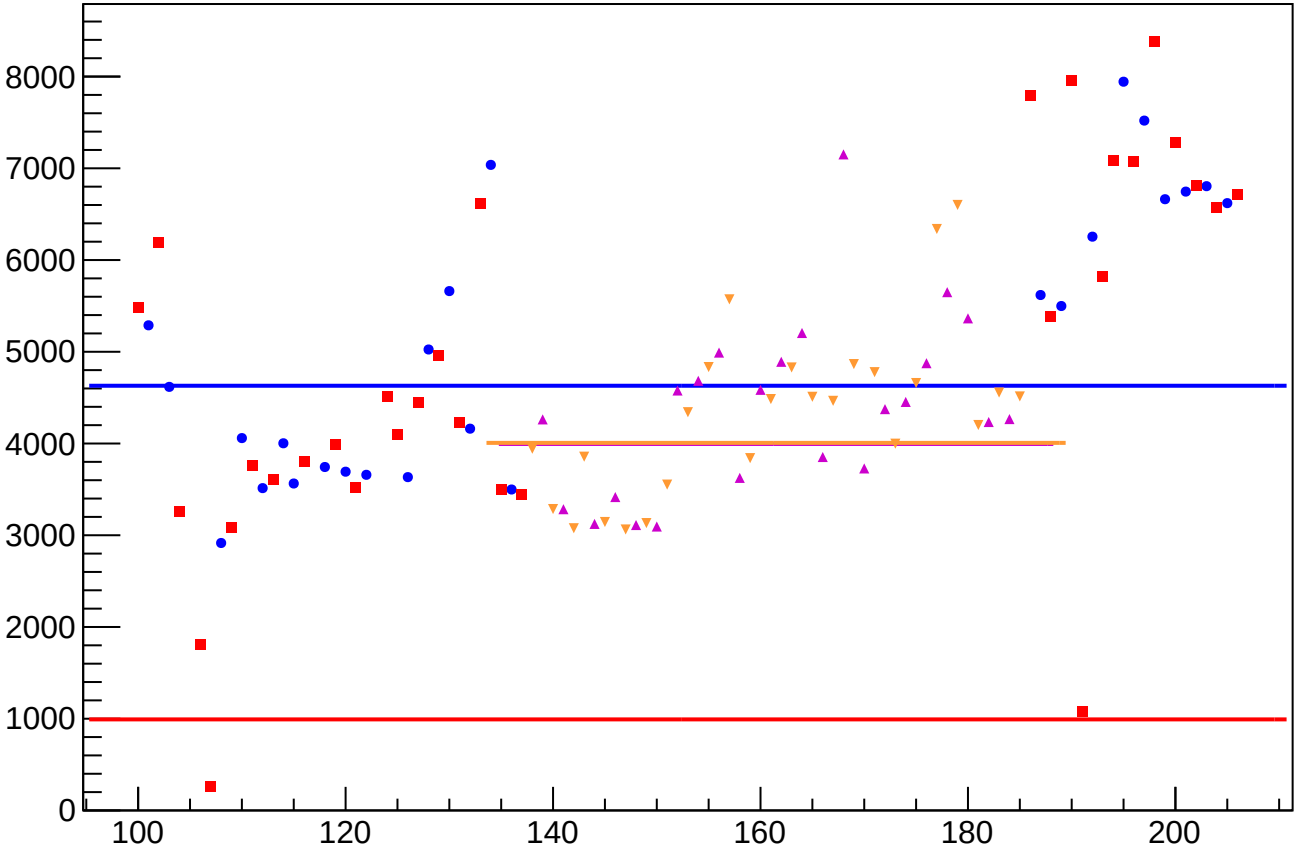
Right: 322.761+/-462.183 χ^2/NDF: 60.3/55

In: 170.775+/-769.385 χ^2/NDF:40.9/47

Out: 183.569+/-437.318 χ^2/NDF:62.0/55

All: 180.444+/-380.193 χ^2/NDF: 102.9/103

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

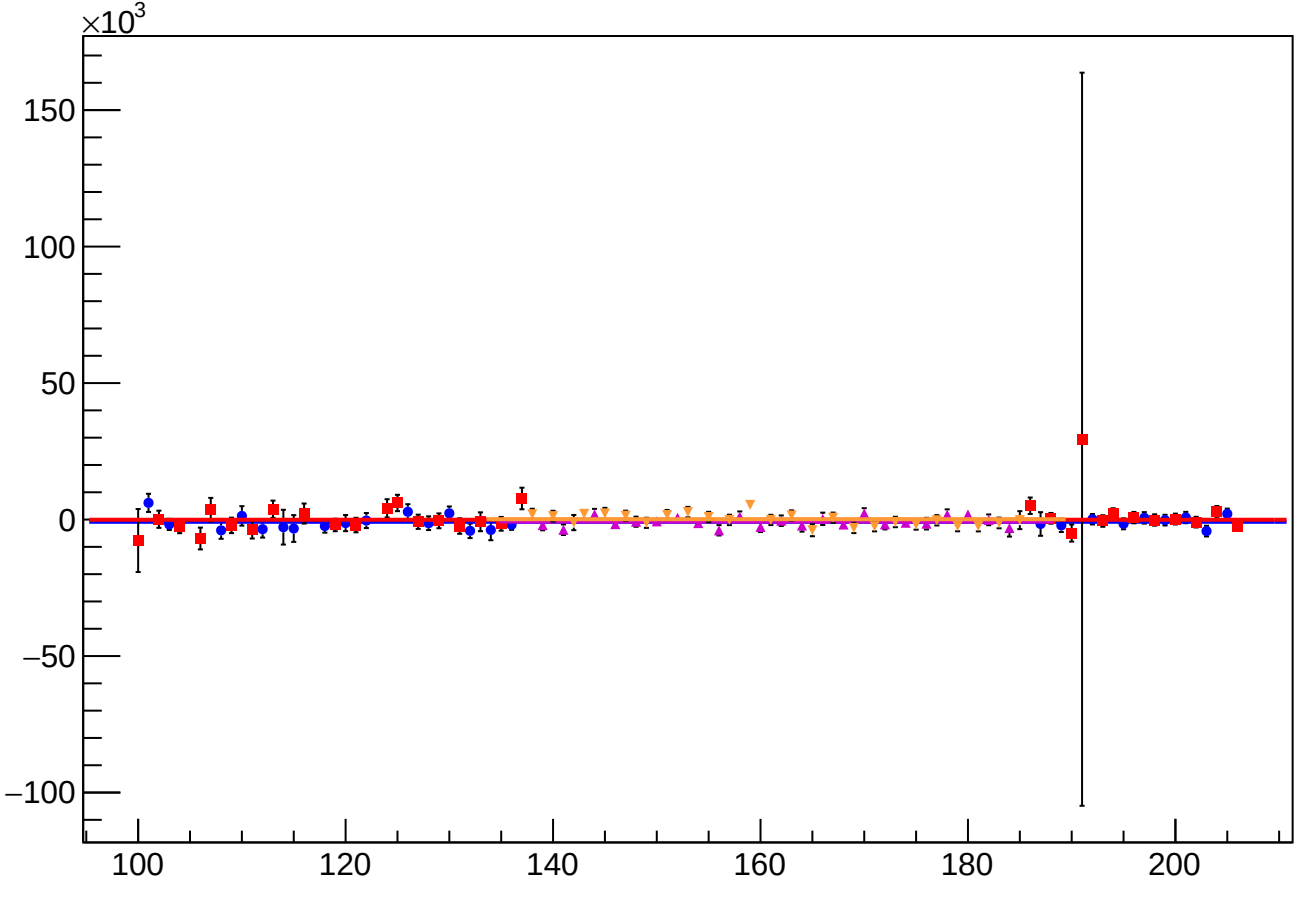
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1455.724+/-0.327 χ^2/NDF: 40100644.3/55

In: 4218.920+/-0.544 χ^2/NDF:4213555.6/47

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2278.710+/-0.269 χ^2/NDF: 62755844.0/



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -65.673+/-467.431 χ^2/NDF: 32.7/30

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

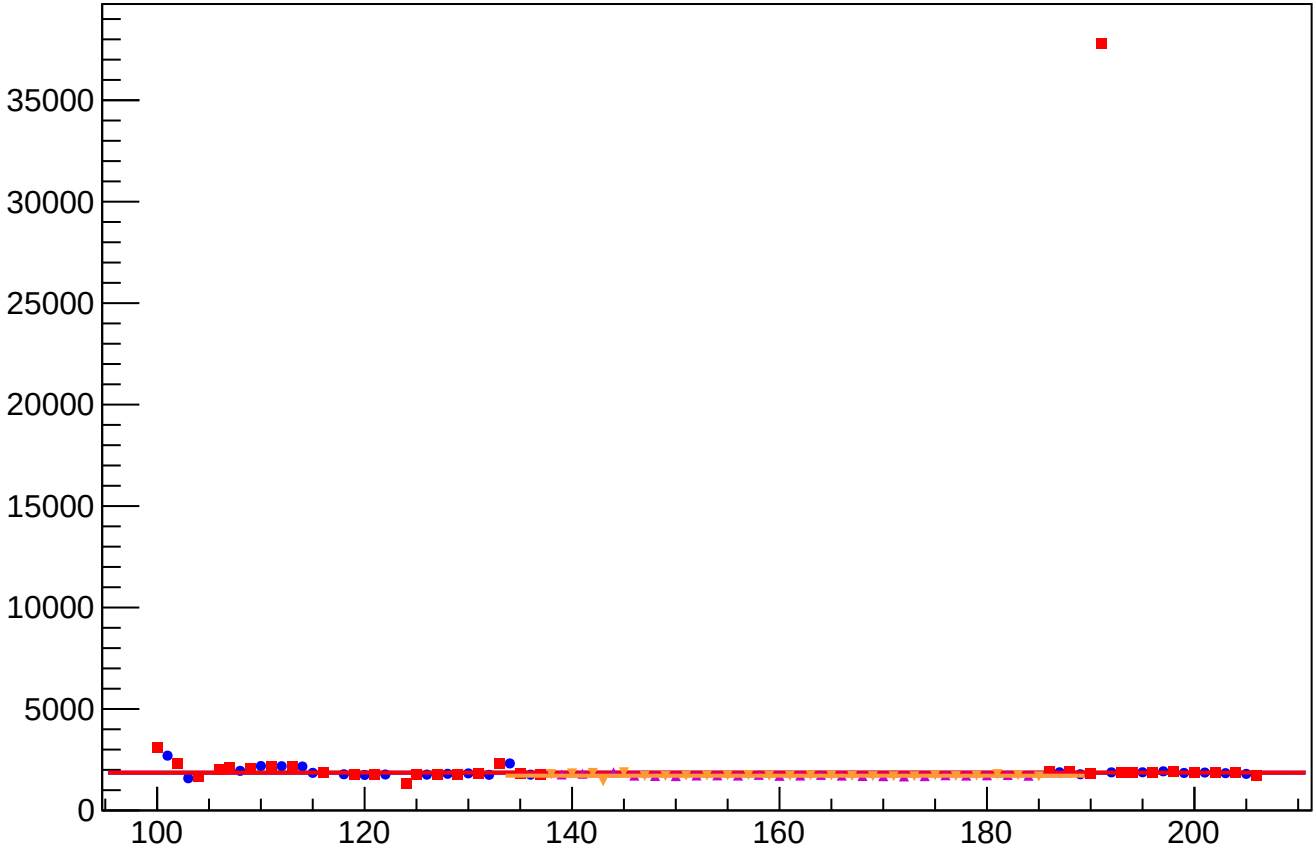
Right: -417.376+/-340.752 χ^2/NDF: 54.4/55

In: -771.013+/-313.766 χ^2/NDF:39.5/47

Out: 43.896+/-299.211 χ^2/NDF:62.5/55

All: -344.220+/-216.537 χ^2/NDF: 105.5/103

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430128.9/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

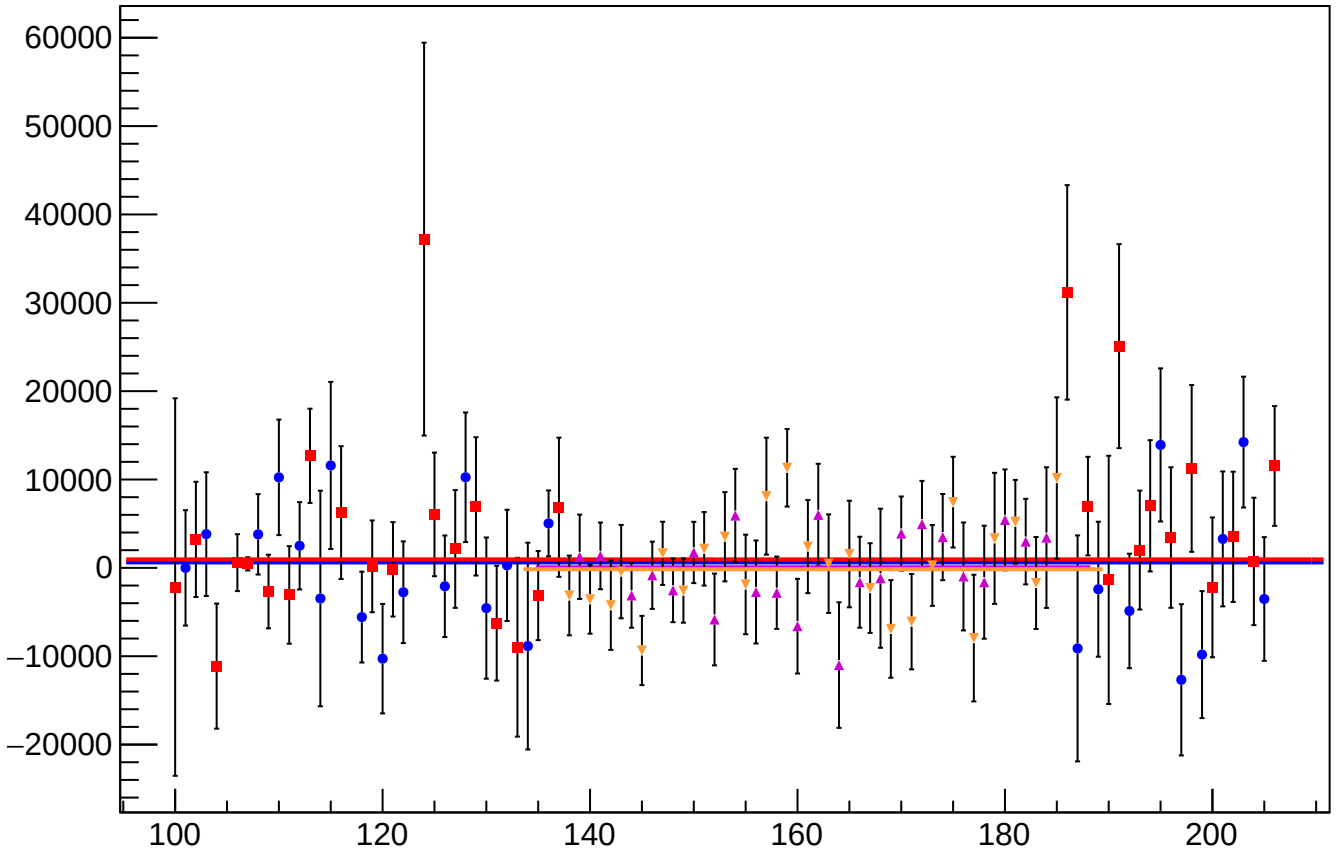
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1862.841+/-0.241 χ^2/NDF: 693242.5/55

In: 1782.301+/-0.222 χ^2/NDF:369347.5/47

Out: 1774.637+/-0.212 χ^2/NDF:649482.7/55

All: 1778.287+/-0.153 χ^2/NDF: 1019455.3/10



Right In: 614.641+/-1305.756 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 960.380+/-632.429 χ^2/NDF: 33.9/30

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

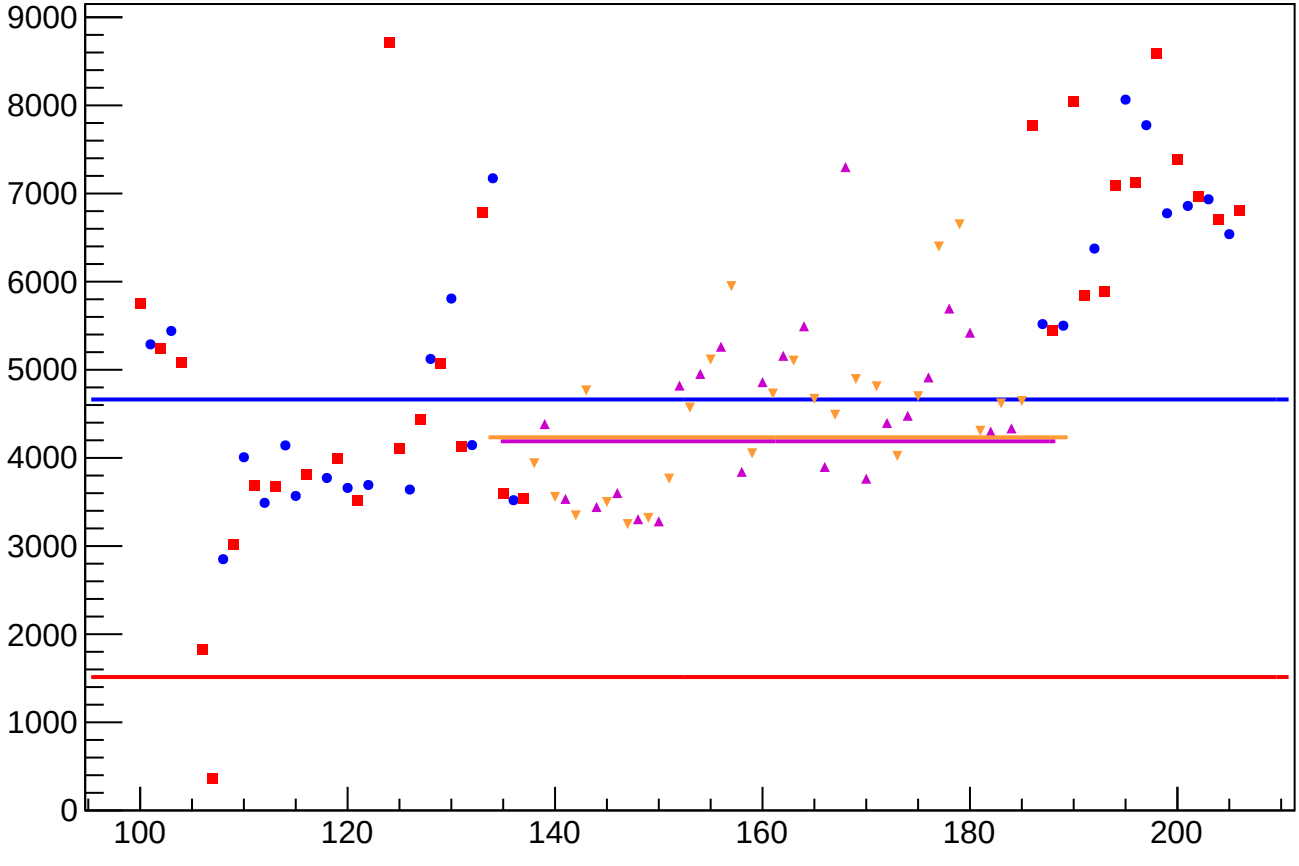
Right: 894.686+/-569.182 χ^2/NDF: 59.9/55

In: 268.329+/-793.976 χ^2/NDF:40.1/47

Out: 636.198+/-532.176 χ^2/NDF:61.7/55

All: 522.161+/-442.061 χ^2/NDF: 101.9/103

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4663.232+/-0.923 χ^2/NDF: 2513597.8/24

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1513.665+/-0.447 χ^2/NDF: 21224213.4/30

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

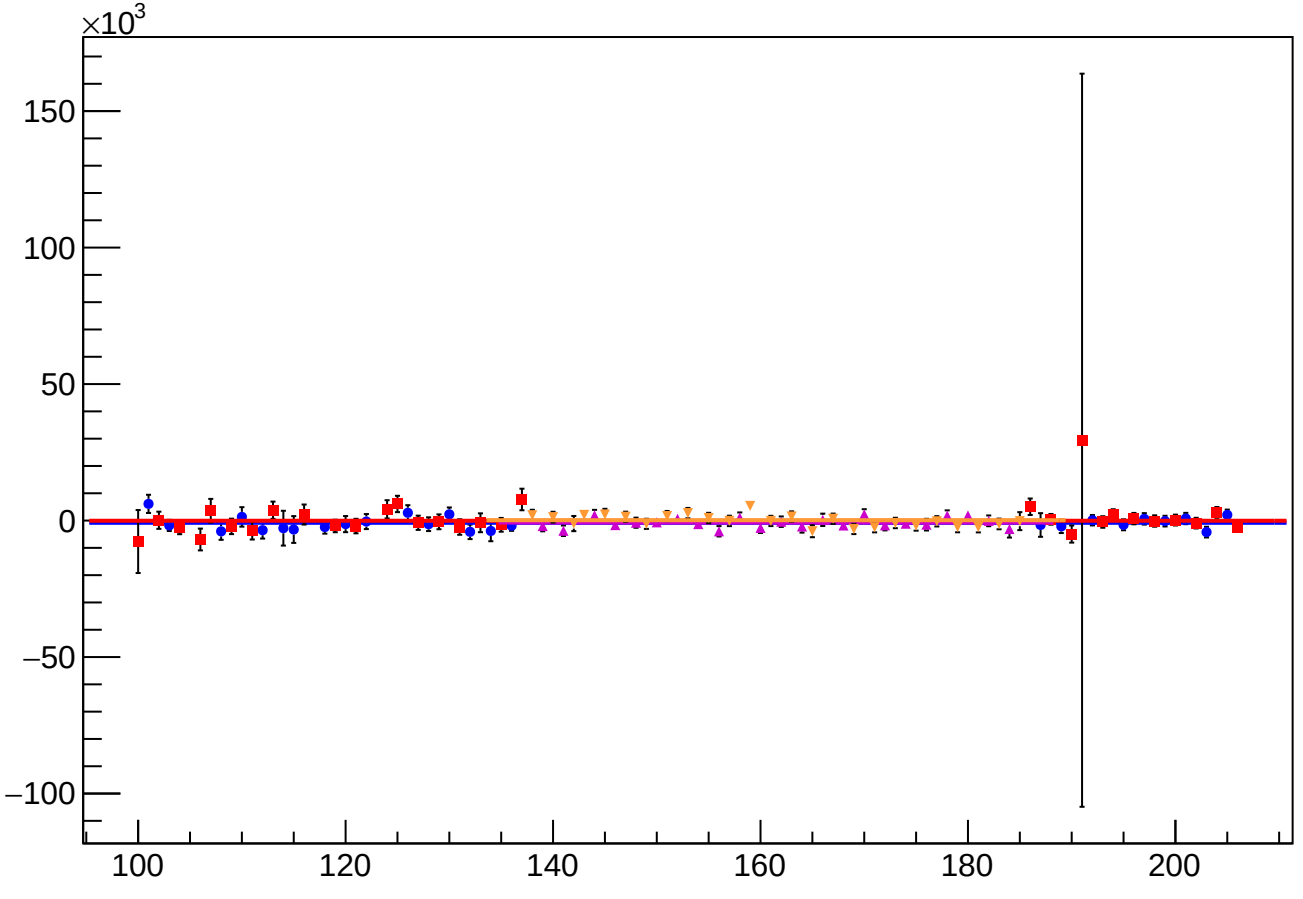
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2112.118+/-0.402 χ^2/NDF: 33162930.2/55

In: 4364.261+/-0.561 χ^2/NDF:4024557.2/47

Out: 2307.737+/-0.376 χ^2/NDF:33310221.1/55

All: 2945.242+/-0.313 χ^2/NDF: 46593199.7/



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -65.673+/-467.431 χ^2/NDF: 32.7/30

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

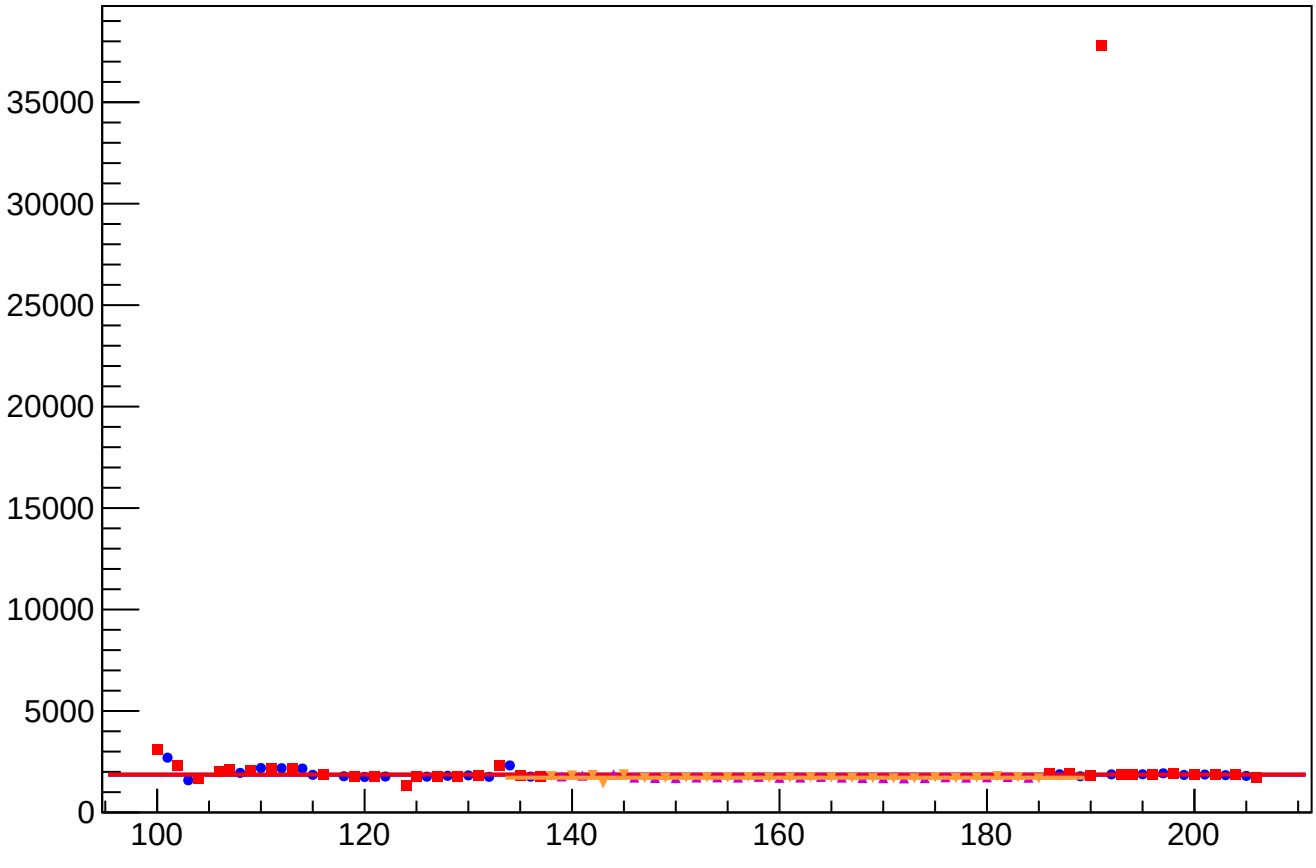
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -417.376+/-340.752 χ^2/NDF: 54.4/55

In: -771.012+/-313.766 χ^2/NDF:39.5/47

Out: 43.897+/-299.211 χ^2/NDF:62.5/55

All: -344.219+/-216.537 χ^2/NDF: 105.5/103



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430129.2/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

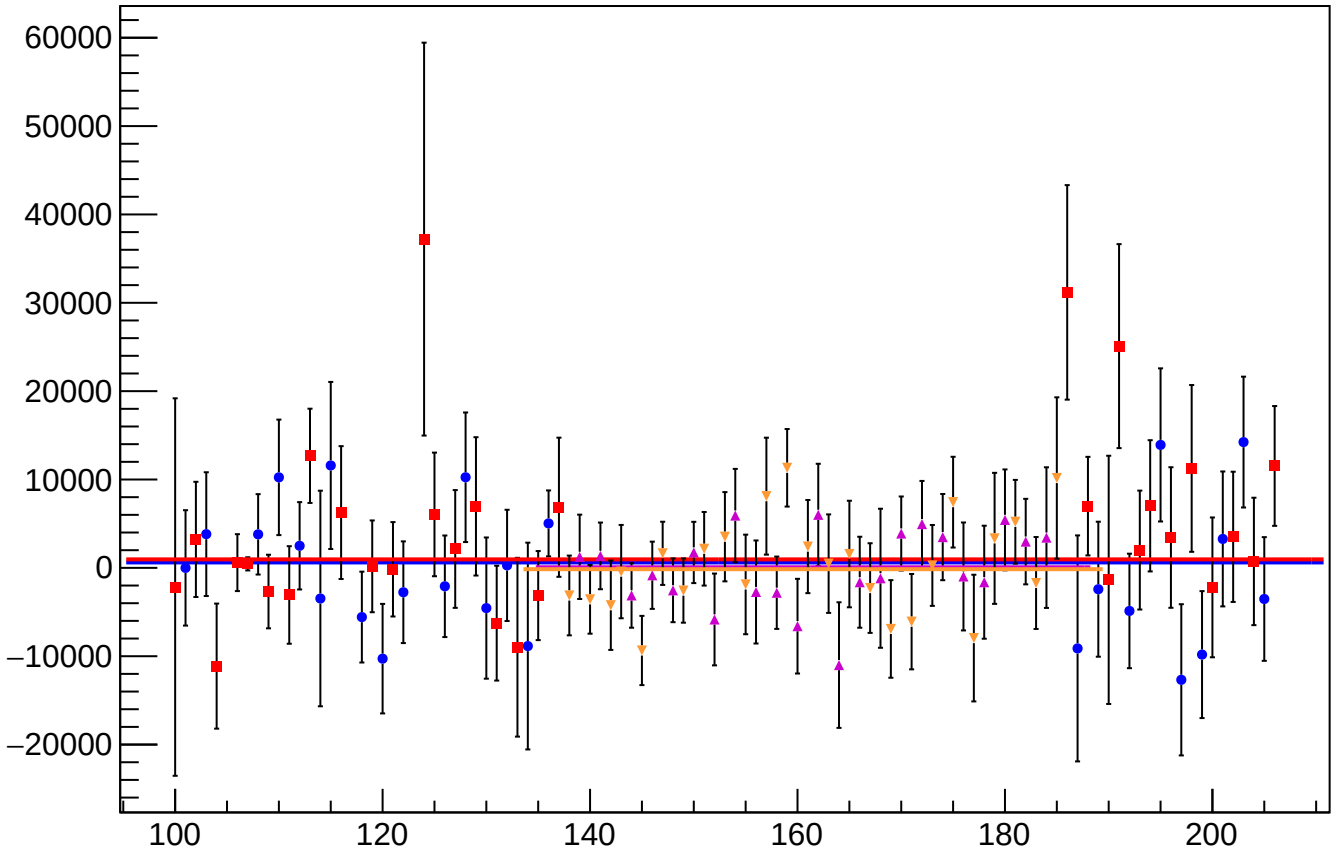
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1862.841+/-0.241 χ^2/NDF: 693242.7/55

In: 1782.302+/-0.222 χ^2/NDF:369346.6/47

Out: 1774.637+/-0.212 χ^2/NDF:649481.3/55

All: 1778.287+/-0.153 χ^2/NDF: 1019453.0/10



Right In: 614.628+/-1305.755 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 960.401+/-632.439 χ^2/NDF: 33.9/30

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

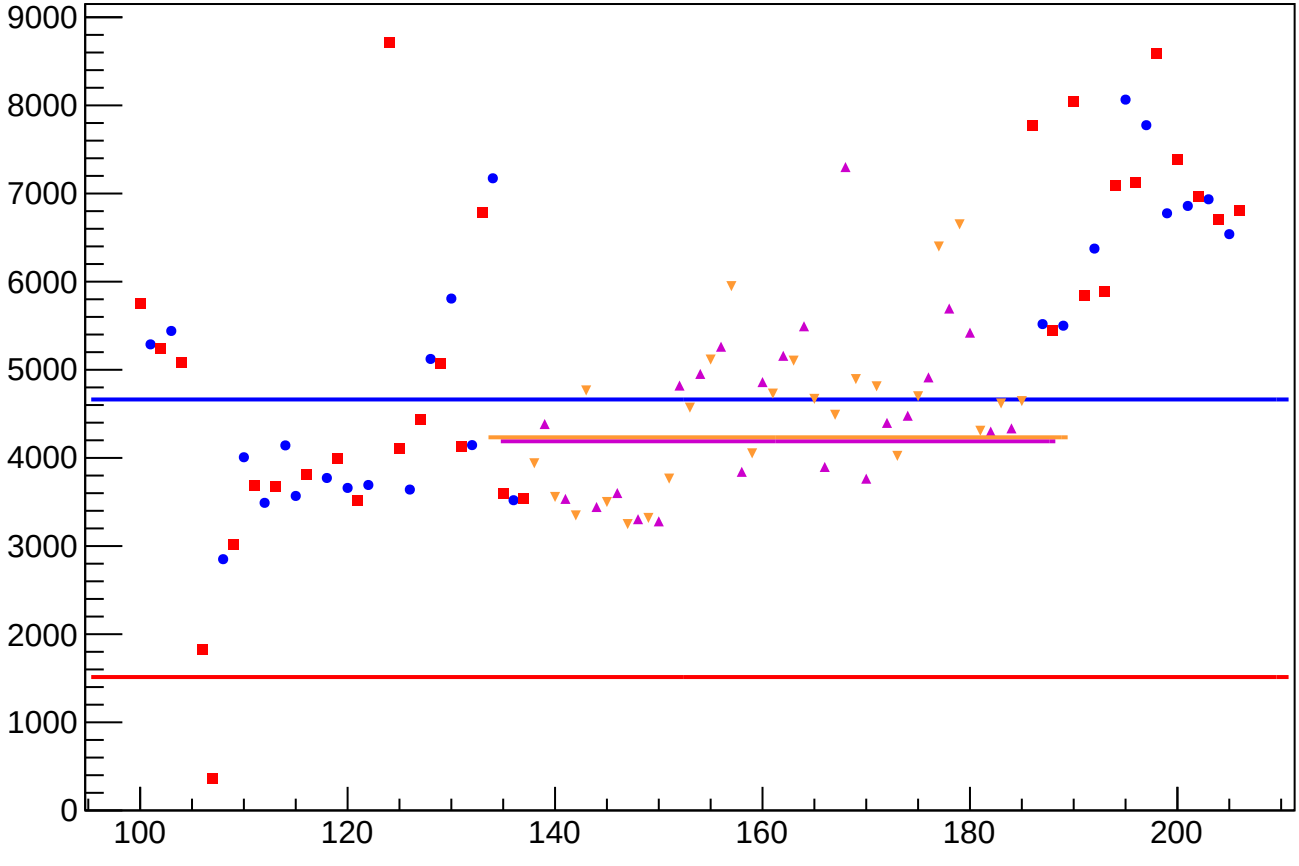
Right: 894.699+/-569.189 χ^2/NDF: 59.9/55

In: 268.325+/-793.977 χ^2/NDF:40.1/47

Out: 636.206+/-532.182 χ^2/NDF:61.7/55

All: 522.164+/-442.065 χ^2/NDF: 101.9/103

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4663.227+/-0.923 χ^2/NDF: 2513613.9/24

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1513.707+/-0.447 χ^2/NDF: 21223938.0/30

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

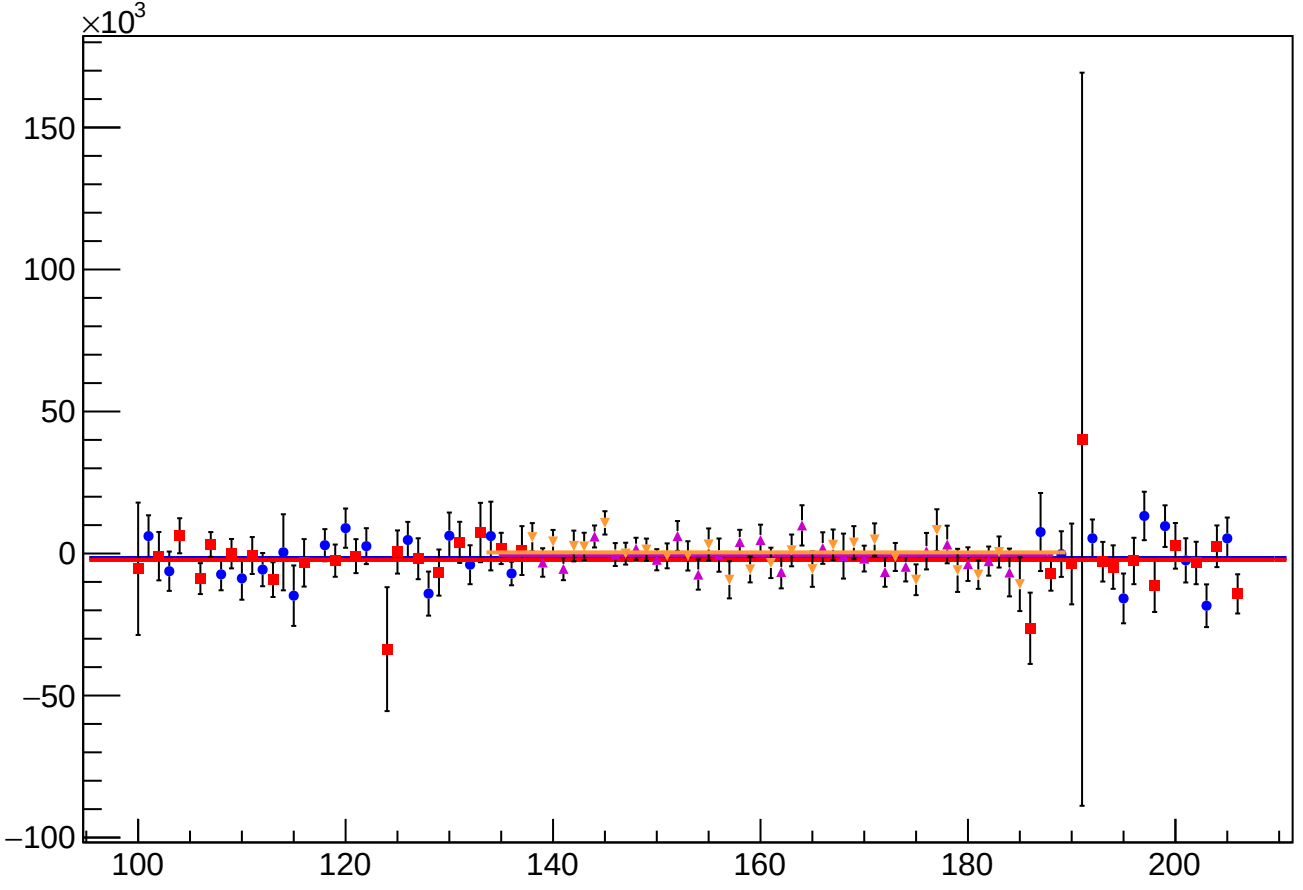
Right: 2112.166+/-0.402 χ^2/NDF: 33162350.3/55

In: 4364.263+/-0.561 χ^2/NDF:4024570.2/47

Out: 2307.783+/-0.376 χ^2/NDF:33309548.9/55

All: 2945.284+/-0.313 χ^2/NDF: 46592070.8/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1580.885+/-1422.841 χ^2/NDF: 31.2/24

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -2273.181+/-1296.461 χ^2/NDF: 20.7/30

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

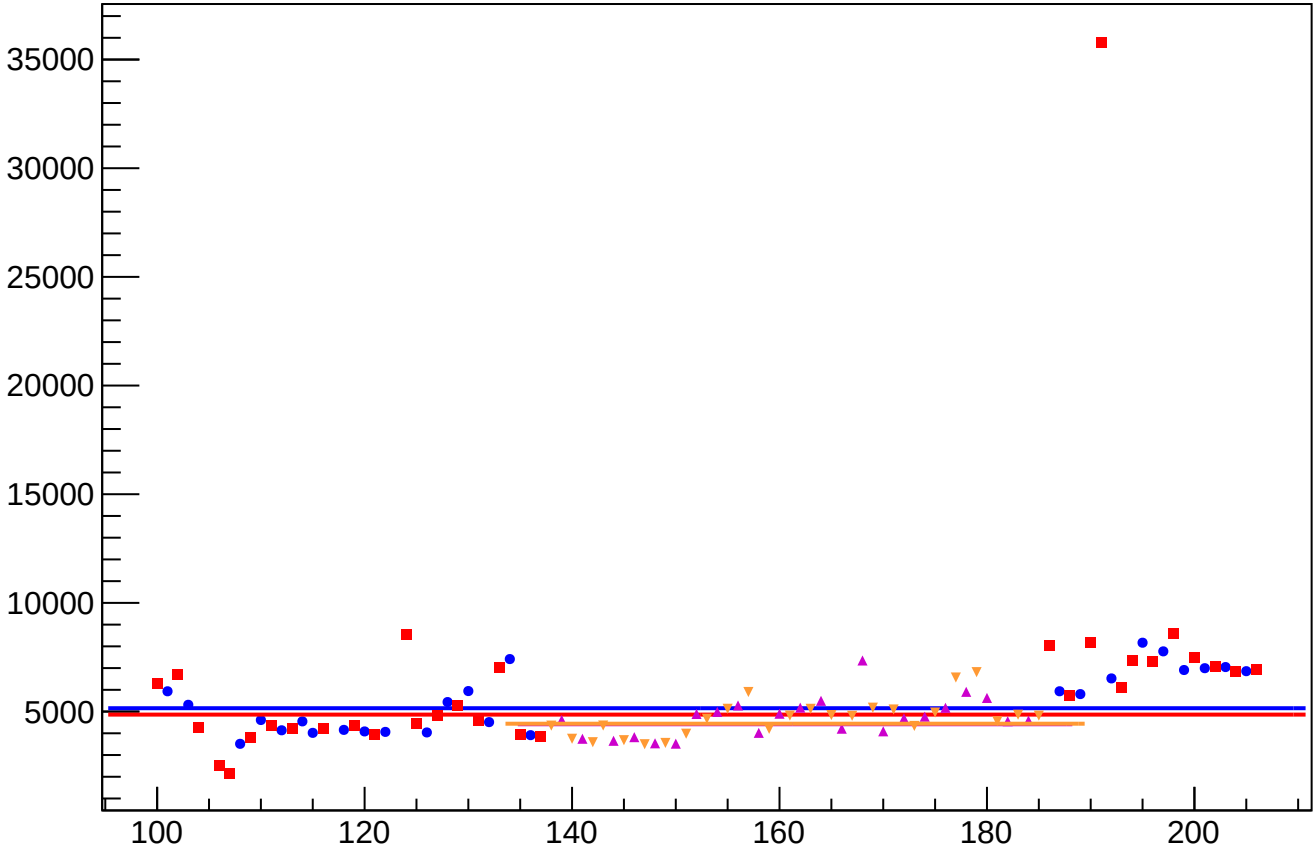
Right: -1959.138+/-958.307 χ^2/NDF: 52.0/55

In: -882.887+/-844.692 χ^2/NDF:48.9/47

Out: -633.471+/-805.712 χ^2/NDF:48.0/55

All: -752.292+/-583.018 χ^2/NDF: 97.0/103

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5153.656+/-1.006 χ^2/NDF: 1800902.9/24

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4859.581+/-0.910 χ^2/NDF: 3680248.6/30

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

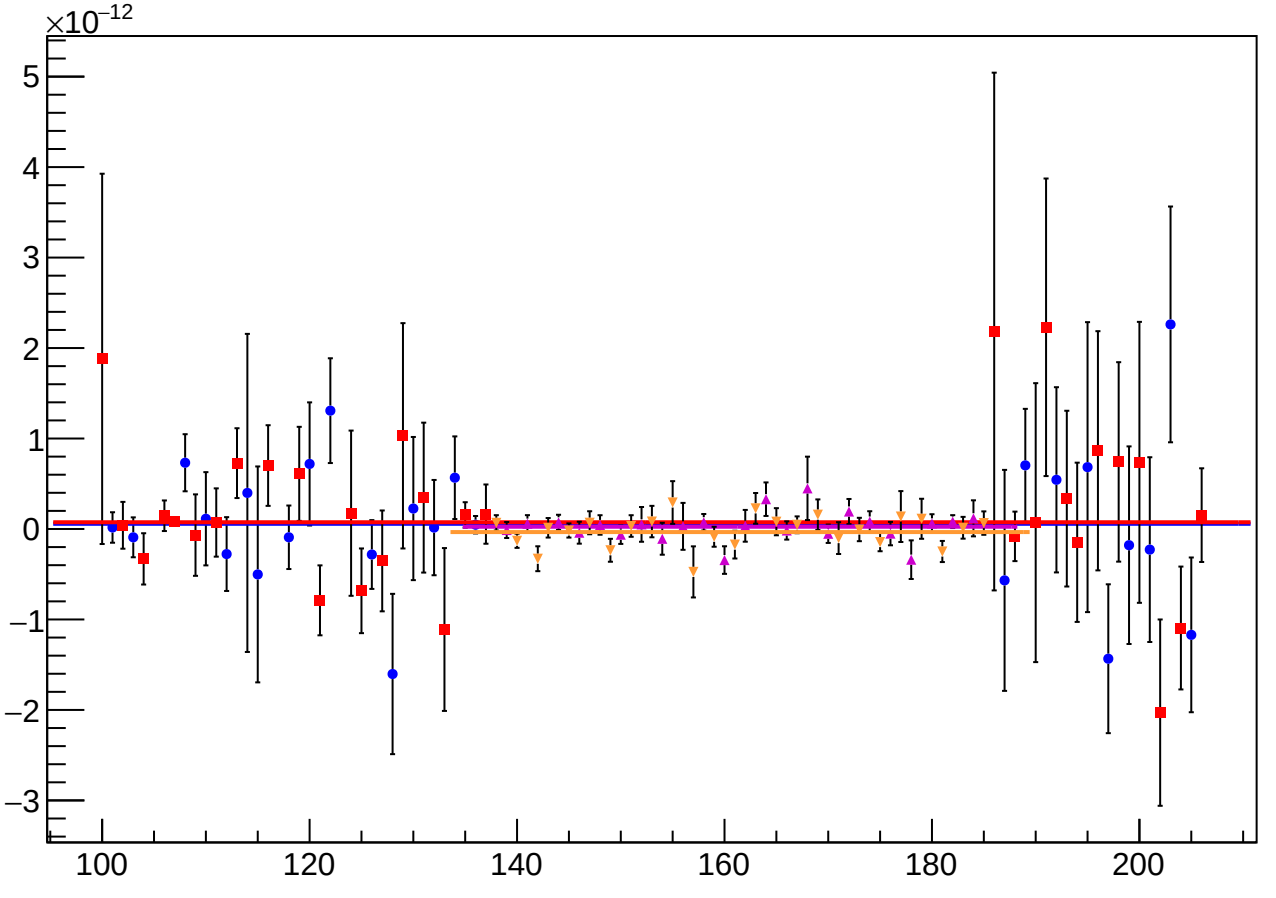
Right: 4991.957+/-0.675 χ^2/NDF: 5528128.1/55

In: 4675.568+/-0.597 χ^2/NDF:3261013.8/47

Out: 4603.946+/-0.568 χ^2/NDF:4882551.2/55

All: 4637.969+/-0.412 χ^2/NDF: 8151113.3/10

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/30

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

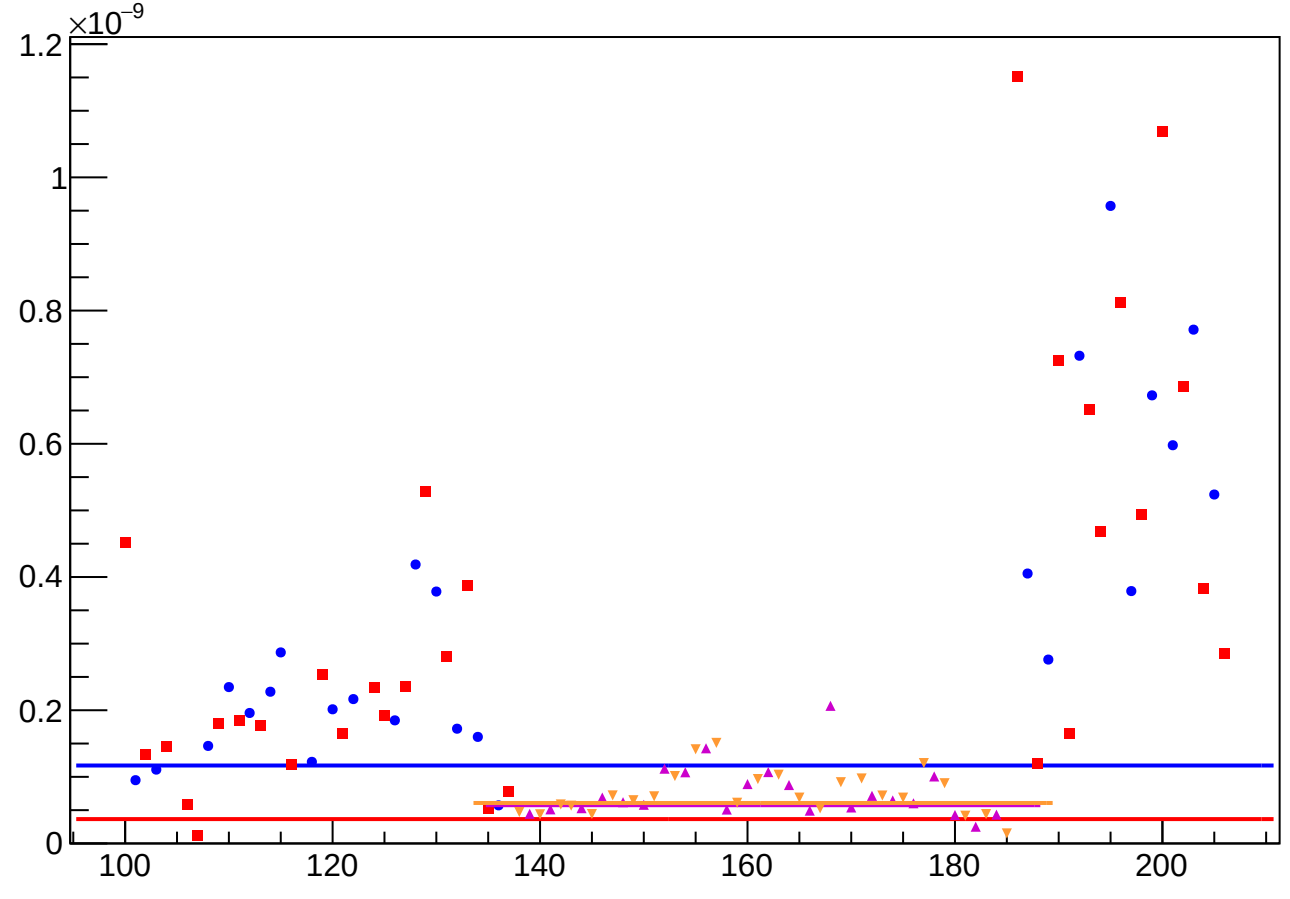
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.4/55

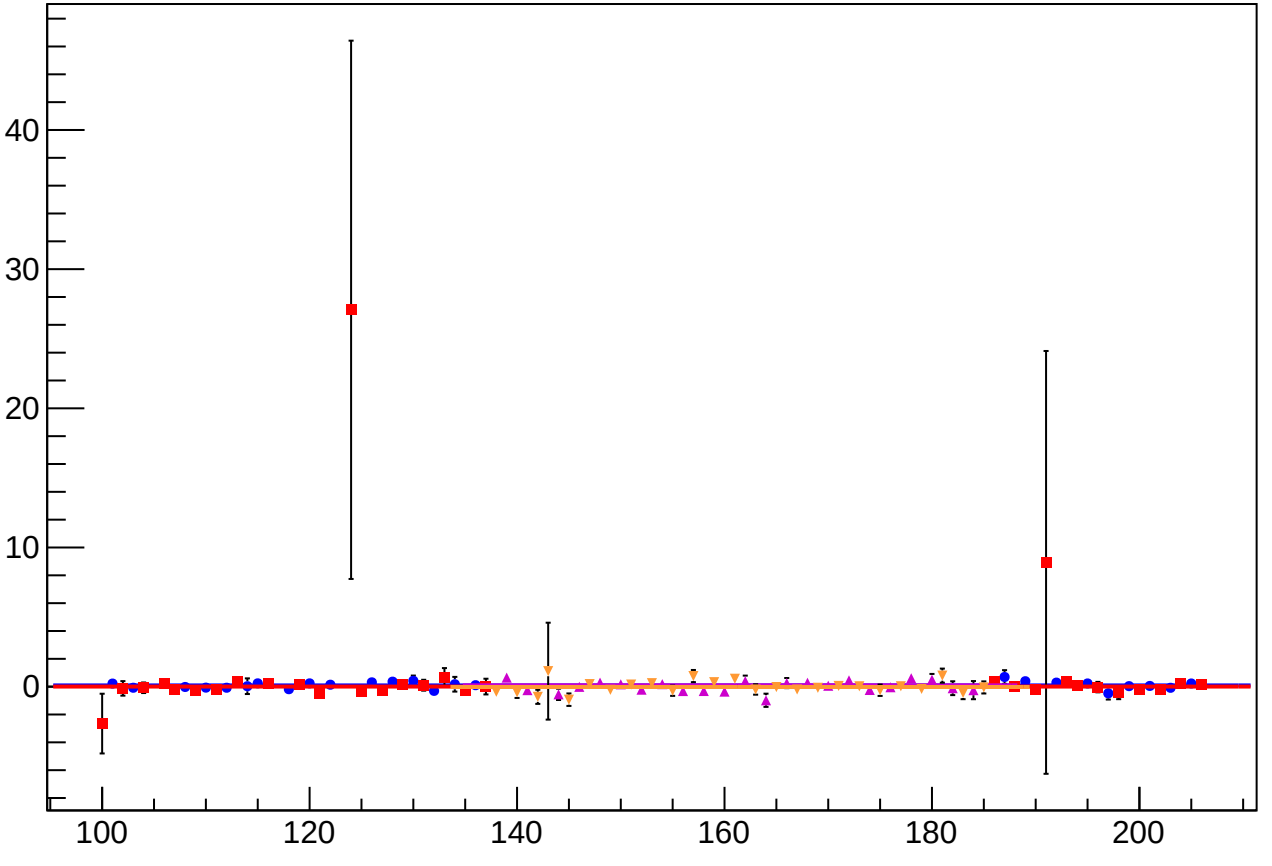
In: 0.000+/-0.000 χ^2/NDF:47.0/47

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 113.9/103


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5328888.7/24
Left Out: 0.000+/-0.000 χ²/NDF:1723737.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 10328673.7/30
Left In: 0.000+/-0.000 χ²/NDF:1878360.3/22
Left: 0.000+/-0.000 χ²/NDF: 3620409.0/47
Right: 0.000+/-0.000 χ²/NDF: 18005928.2/55
In: 0.000+/-0.000 χ²/NDF:8617006.4/47
Out: 0.000+/-0.000 χ²/NDF:12747056.9/55
All: 0.000+/-0.000 χ²/NDF: 21705562.7/103

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

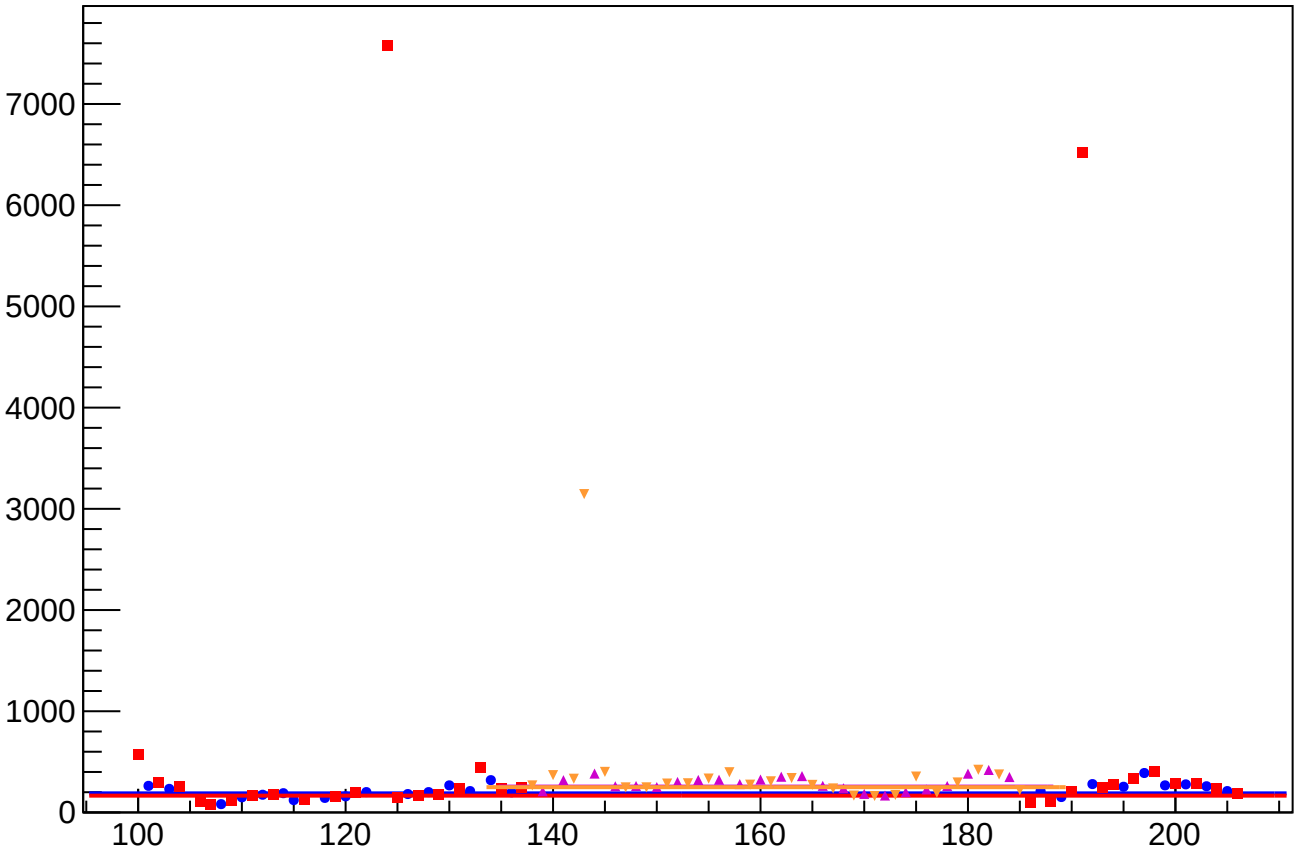
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.043+/-0.036 χ^2/NDF: 45.3/55

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.039+/-0.028 χ^2/NDF: 102.2/103



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

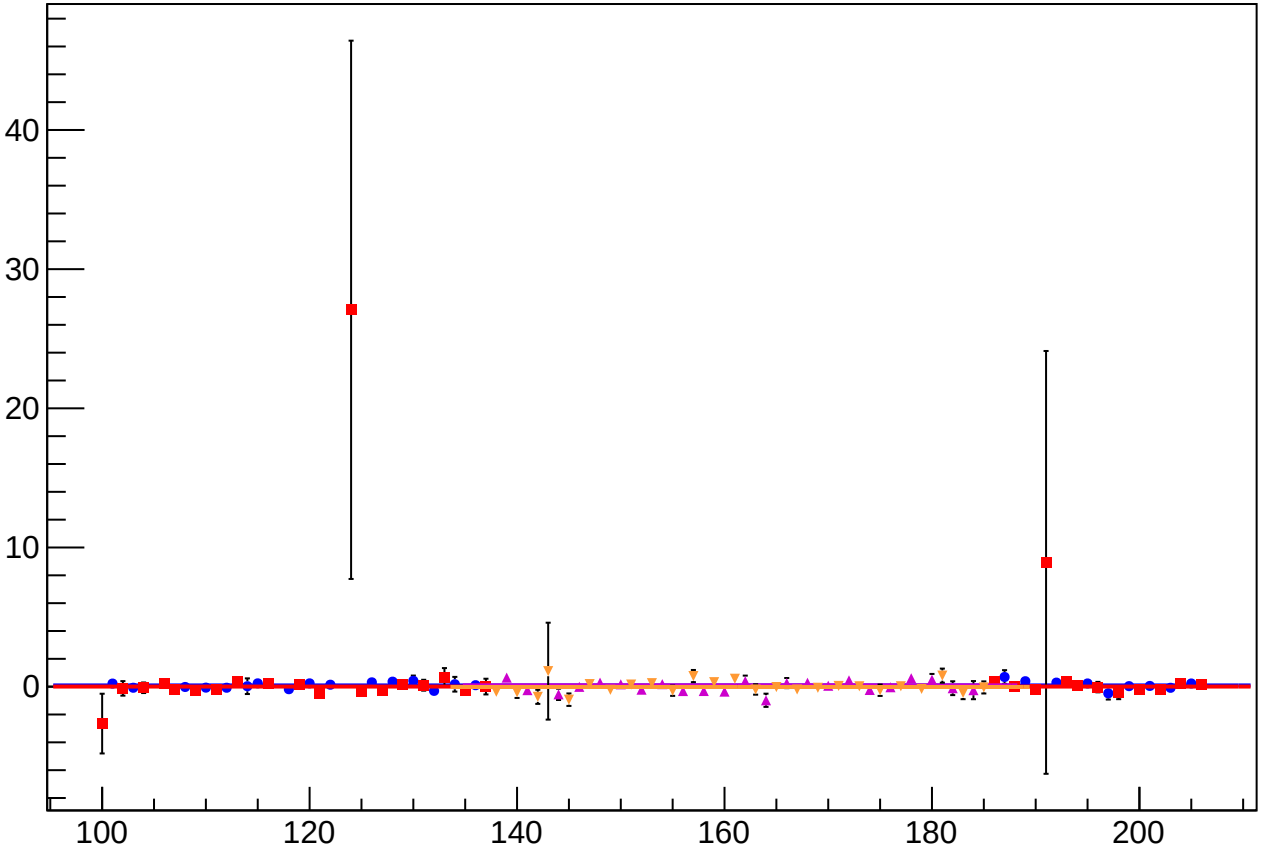
Right: 175.655+/-0.025 χ^2/NDF: 8451656.8/55

In: 217.263+/-0.029 χ^2/NDF:6345276.7/47

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 206.044+/-0.020 χ^2/NDF: 18486310.9/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

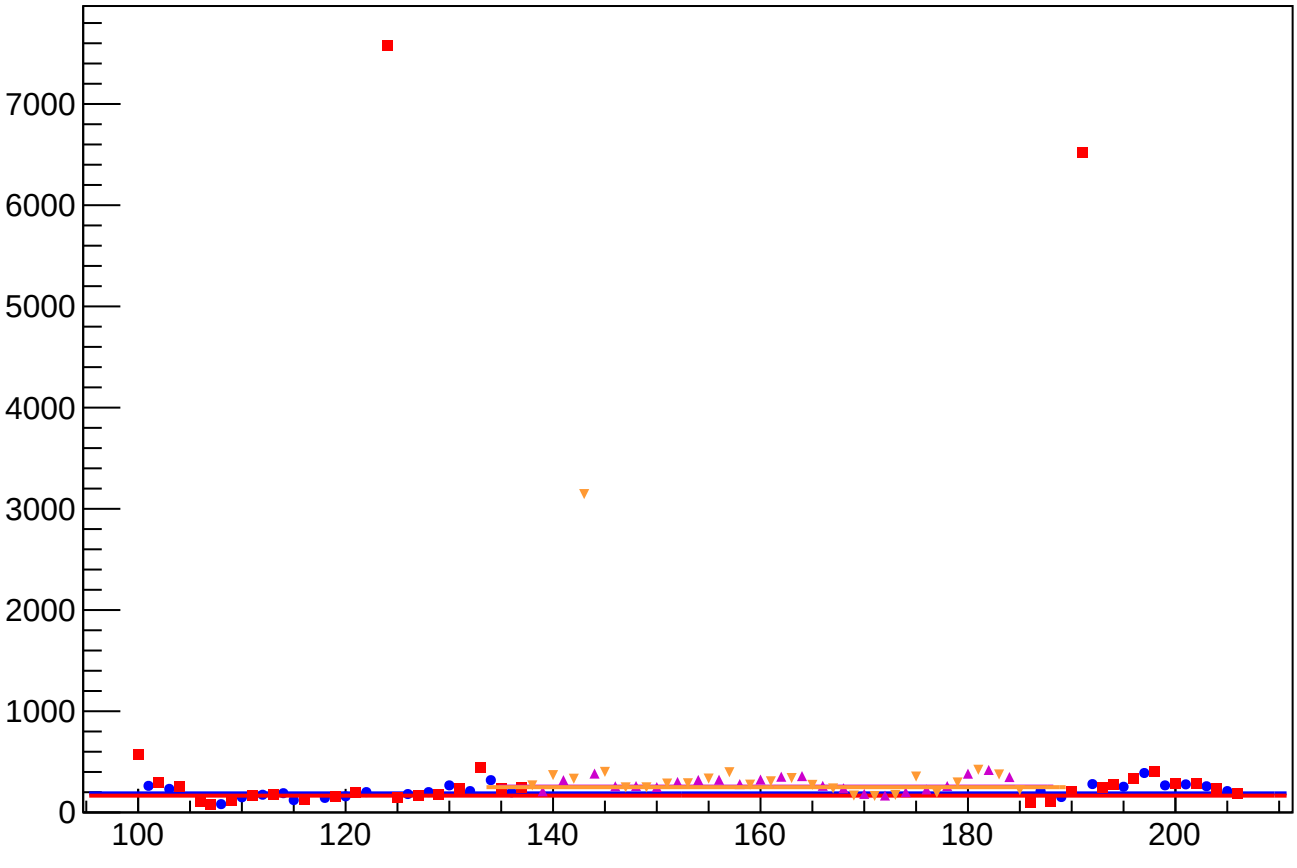
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.043+/-0.036 χ^2/NDF: 45.3/55

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.039+/-0.028 χ^2/NDF: 102.2/103



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

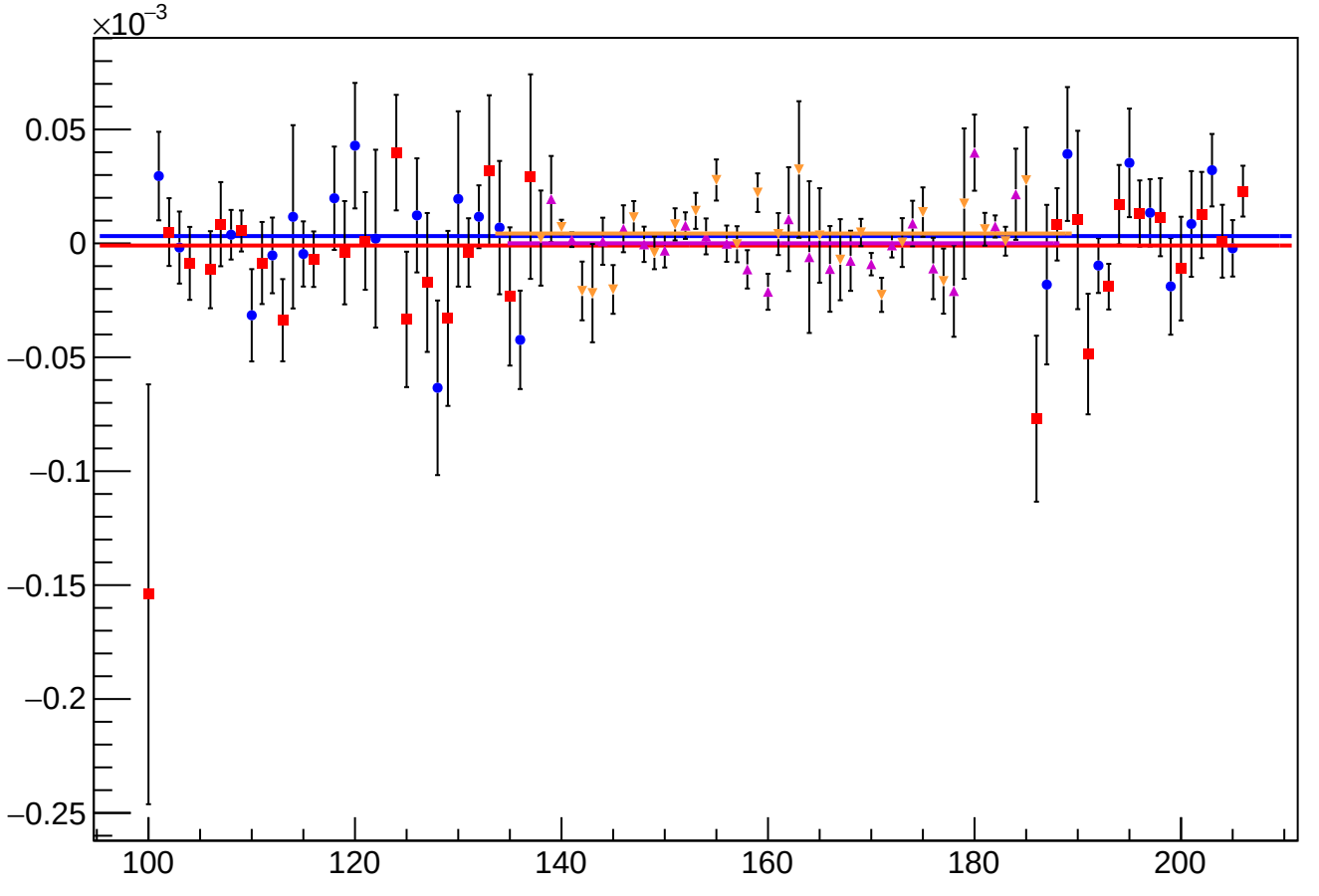
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.655+/-0.025 χ^2/NDF: 8451656.8/55

In: 217.263+/-0.029 χ^2/NDF:6345276.7/47

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 206.044+/-0.020 χ^2/NDF: 18486310.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/30

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

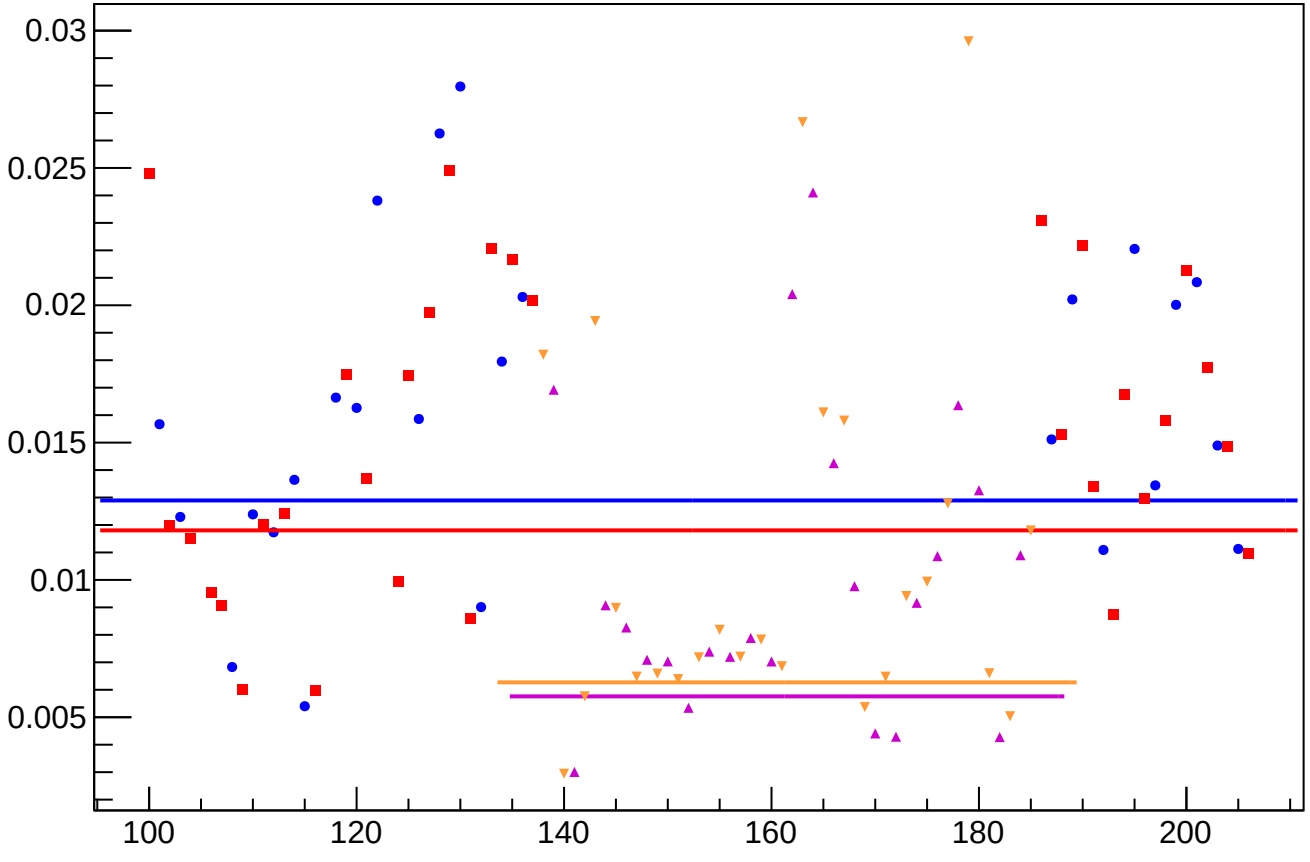
Right: 0.000+/-0.000 χ^2/NDF: 60.9/55

In: 0.000+/-0.000 χ^2/NDF:55.9/47

Out: 0.000+/-0.000 χ^2/NDF:82.2/55

All: 0.000+/-0.000 χ^2/NDF: 139.8/103

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 3505401.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4097935.9/30

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

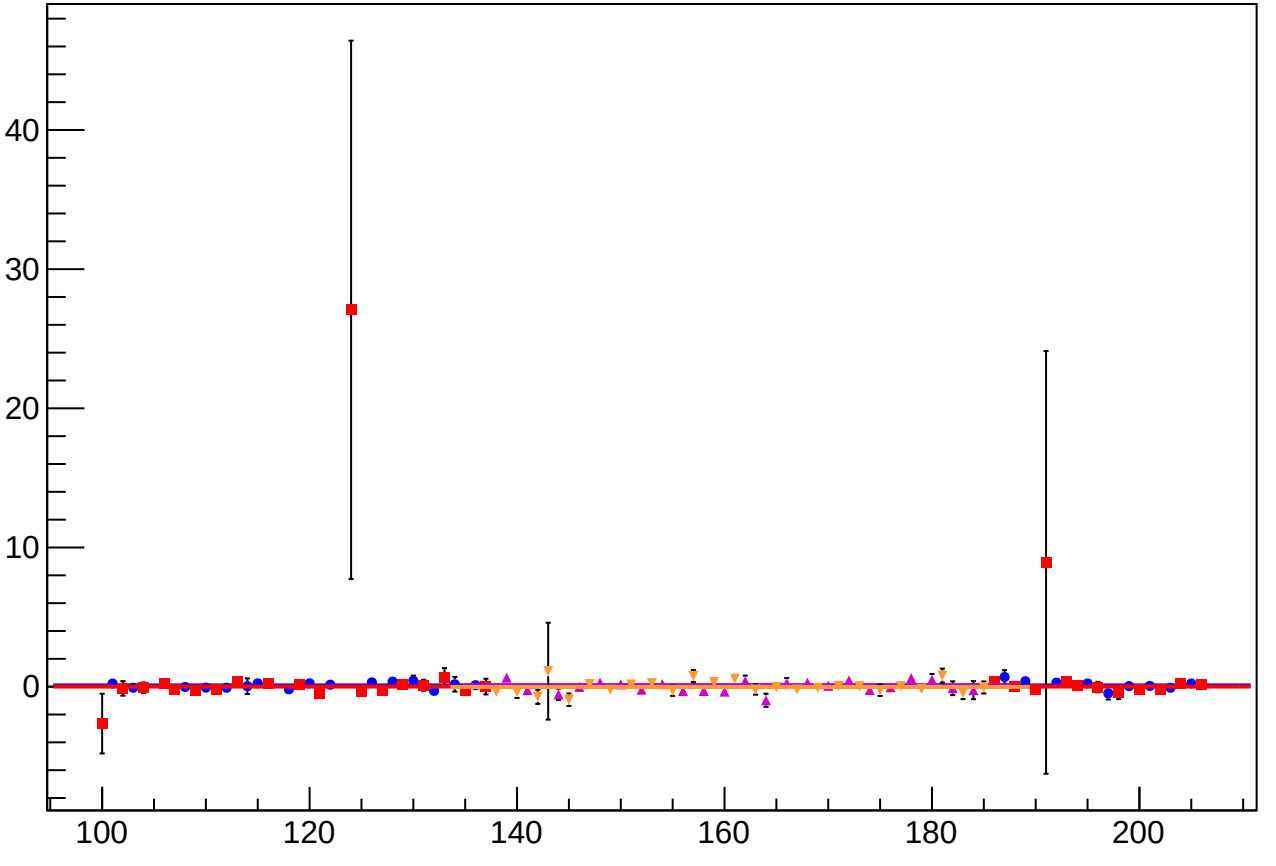
Right: 0.012+/-0.000 χ^2/NDF: 7702967.8/55

In: 0.007+/-0.000 χ^2/NDF:16791067.8/47

Out: 0.007+/-0.000 χ^2/NDF:16841870.0/55

All: 0.007+/-0.000 χ^2/NDF: 33810525.7/103

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

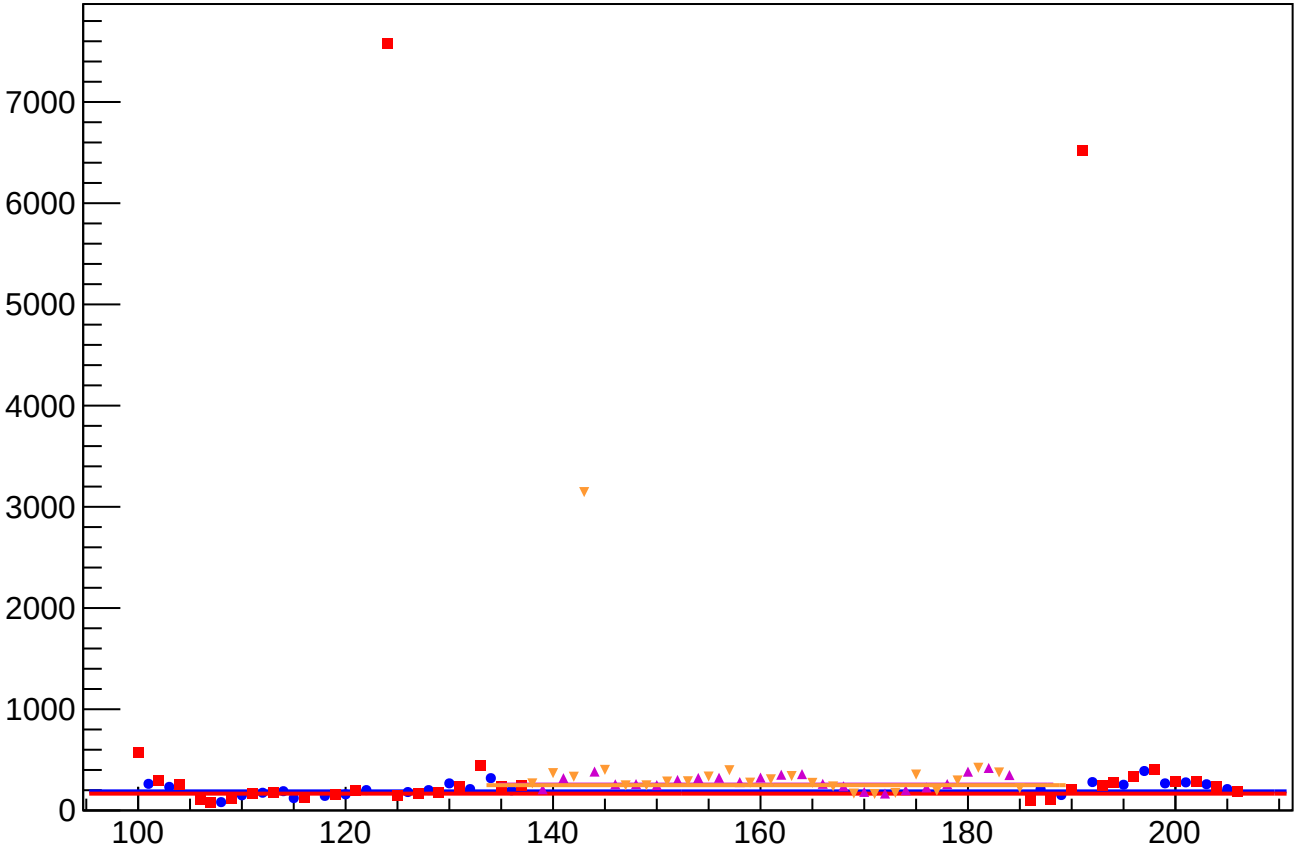
Right: 0.043+/-0.036 χ^2/NDF: 45.3/55

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.039+/-0.028 χ^2/NDF: 102.2/103

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

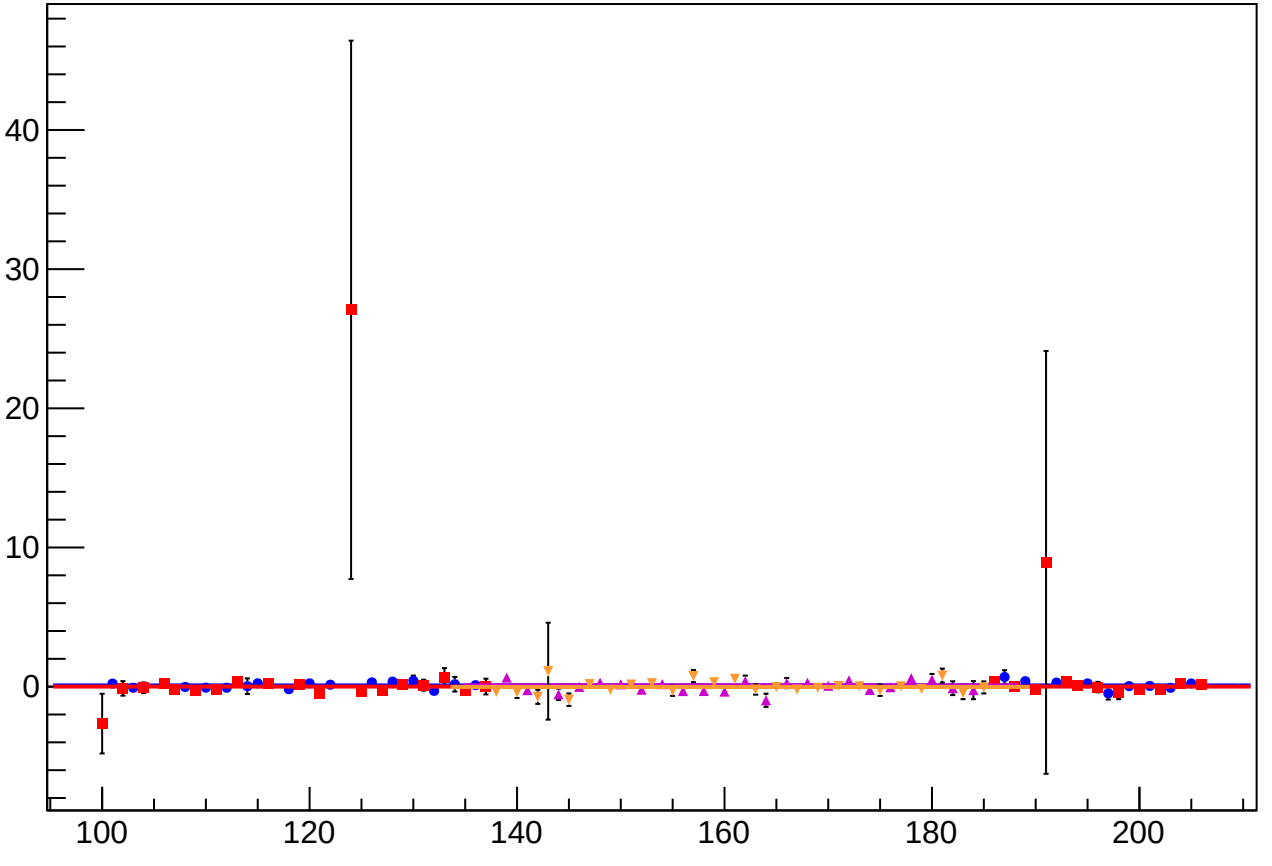
Right: 175.656+/-0.025 χ^2/NDF: 8451542.6/55

In: 217.262+/-0.029 χ^2/NDF:6345542.8/47

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 206.046+/-0.020 χ^2/NDF: 18486389.1/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

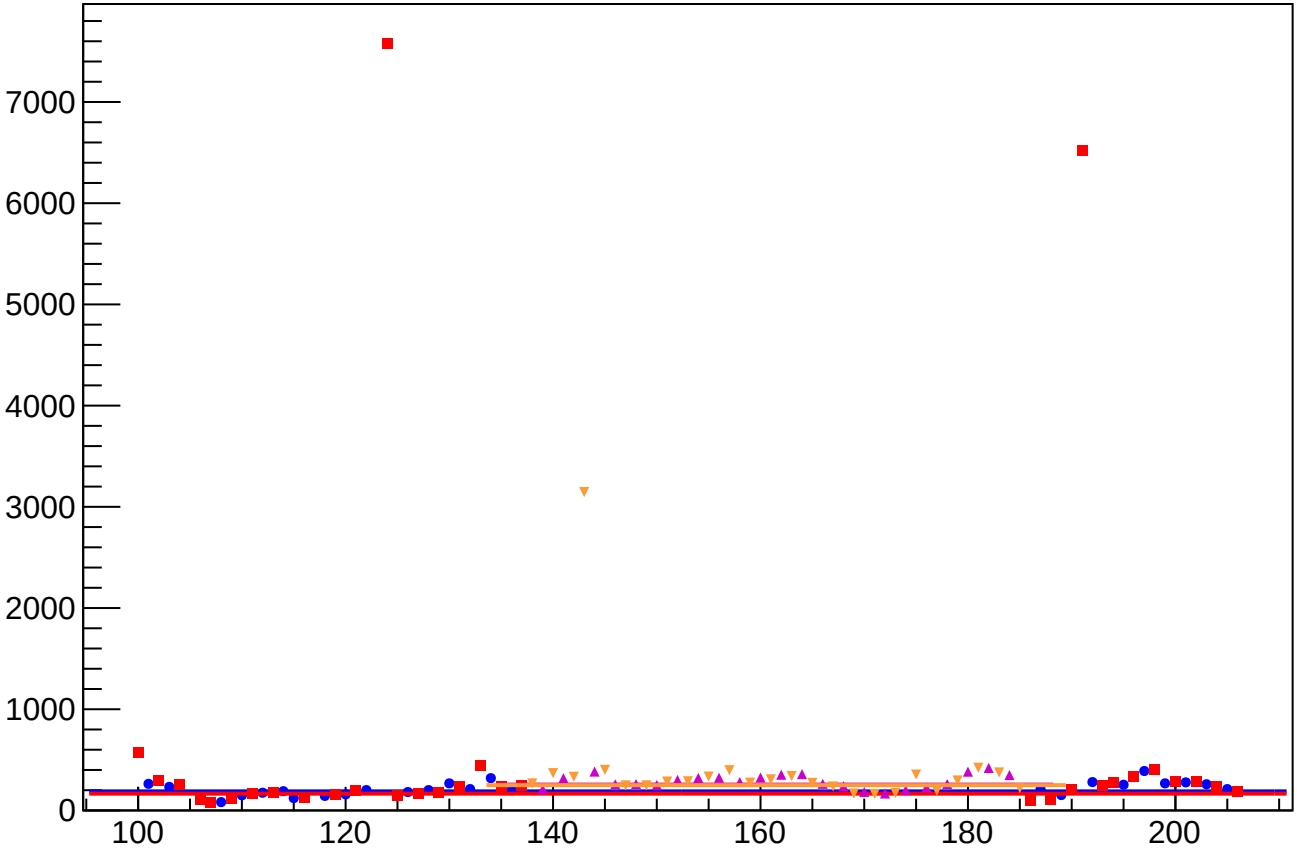
Right: 0.043+/-0.036 χ^2/NDF: 45.3/55

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.039+/-0.028 χ^2/NDF: 102.2/103

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

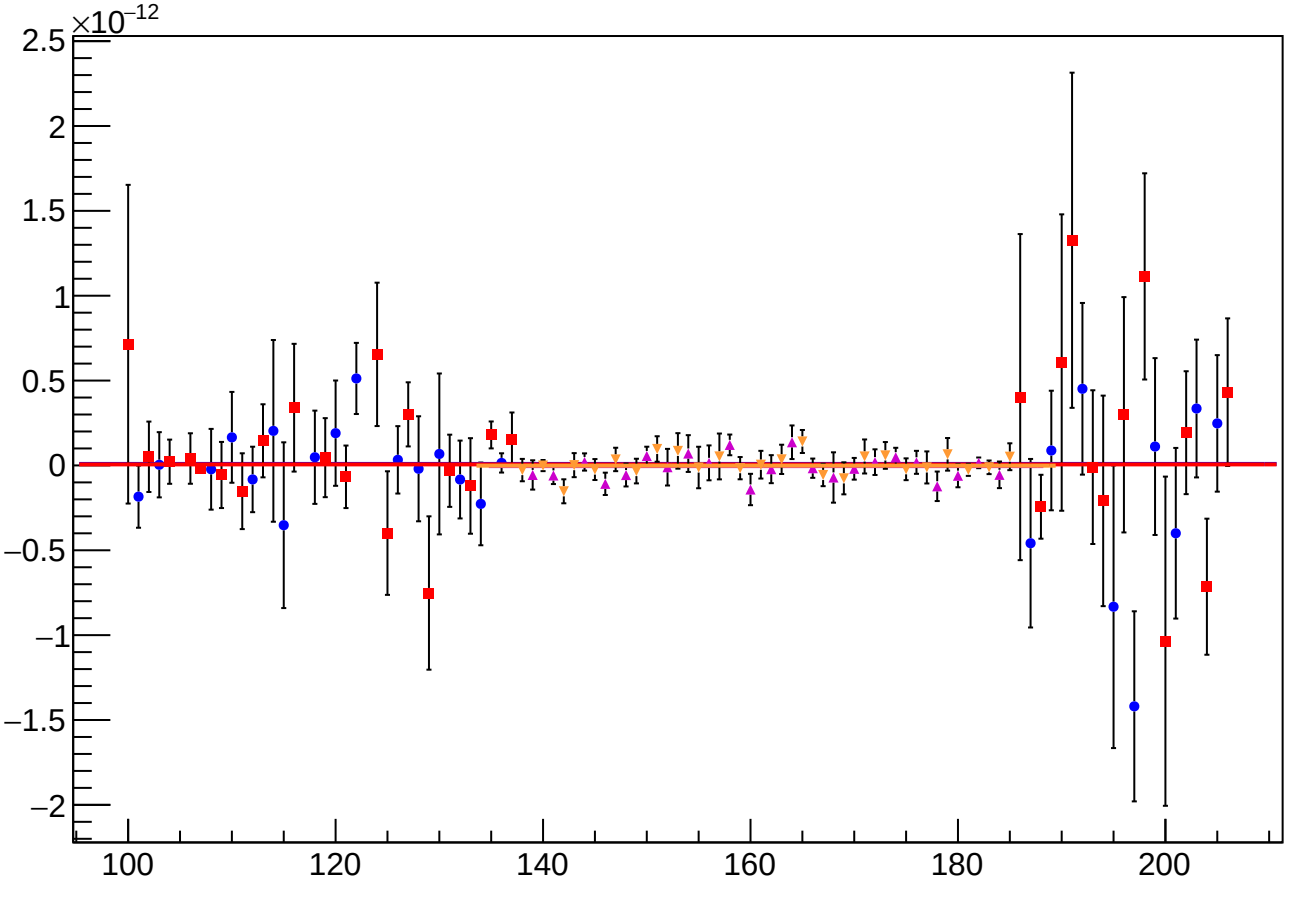
Right: 175.656+/-0.025 χ^2/NDF: 8451542.6/55

In: 217.262+/-0.029 χ^2/NDF:6345542.8/47

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 206.046+/-0.020 χ^2/NDF: 18486389.1/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

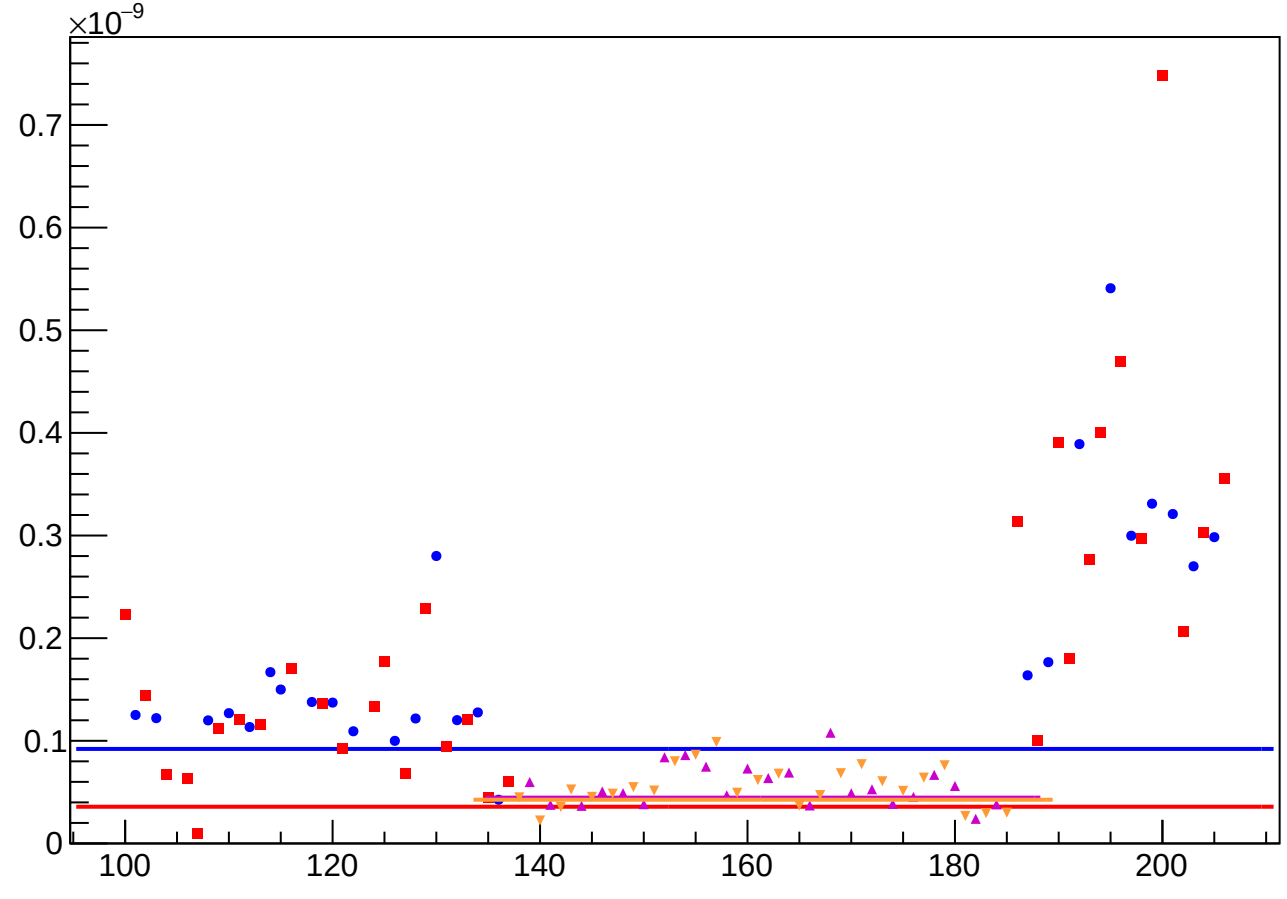
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/55

In: -0.000+/-0.000 χ^2/NDF:40.5/47

Out: 0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 88.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 5757588.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12316985.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

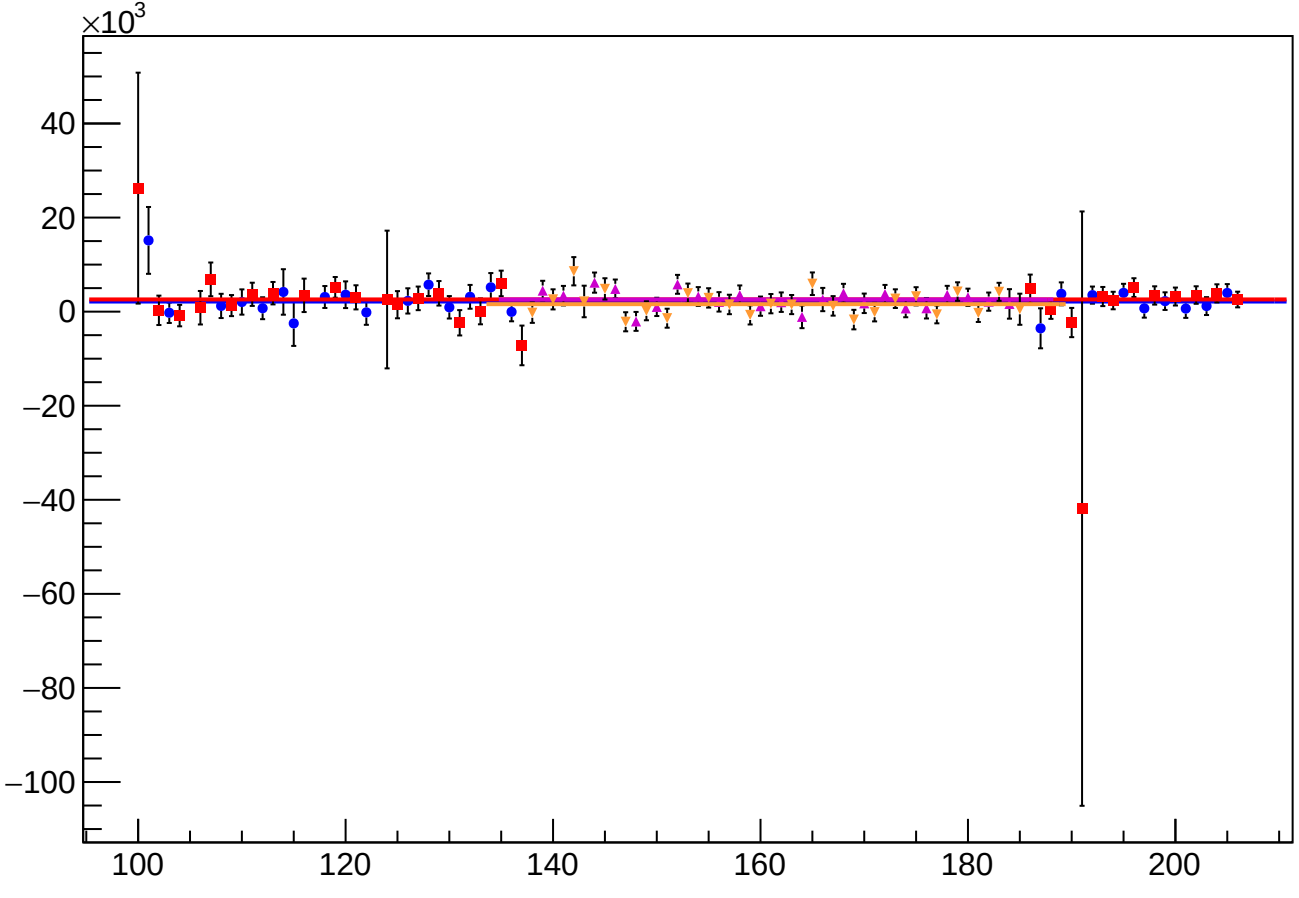
Right: 0.000+/-0.000 χ^2/NDF: 20978217.2/55

In: 0.000+/-0.000 χ^2/NDF:11050271.6/47

Out: 0.000+/-0.000 χ^2/NDF:16103150.7/55

All: 0.000+/-0.000 χ^2/NDF: 27640724.1/103

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2150.260+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.825+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

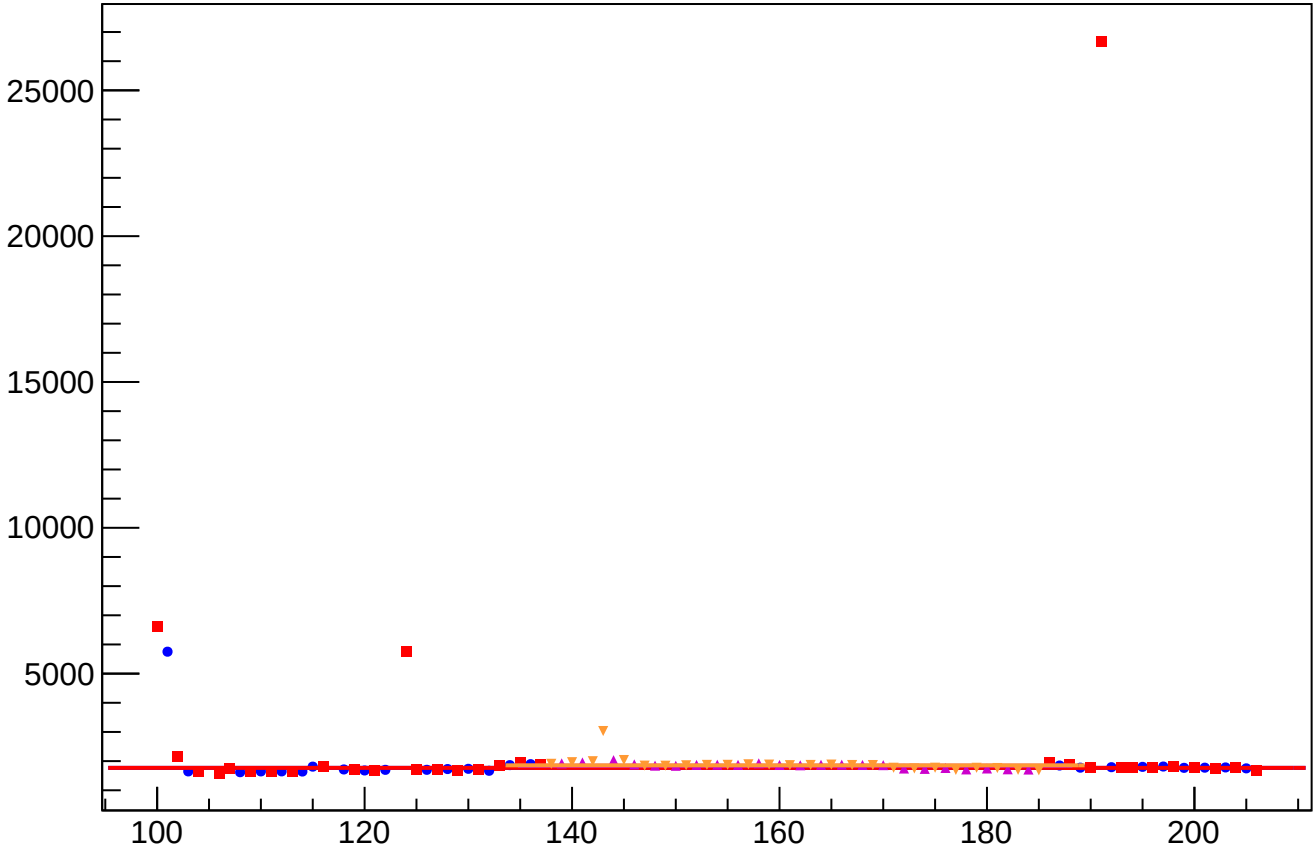
Right: 2388.725+/-325.521 χ^2/NDF: 45.5/55

In: 2396.907+/-319.459 χ^2/NDF:38.8/47

Out: 2069.041+/-306.853 χ^2/NDF:60.7/55

All: 2226.377+/-221.300 χ^2/NDF: 100.1/103

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.840+/-0.337 χ^2/NDF: 674996.9/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1768.411+/-0.314 χ^2/NDF: 646084.6/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

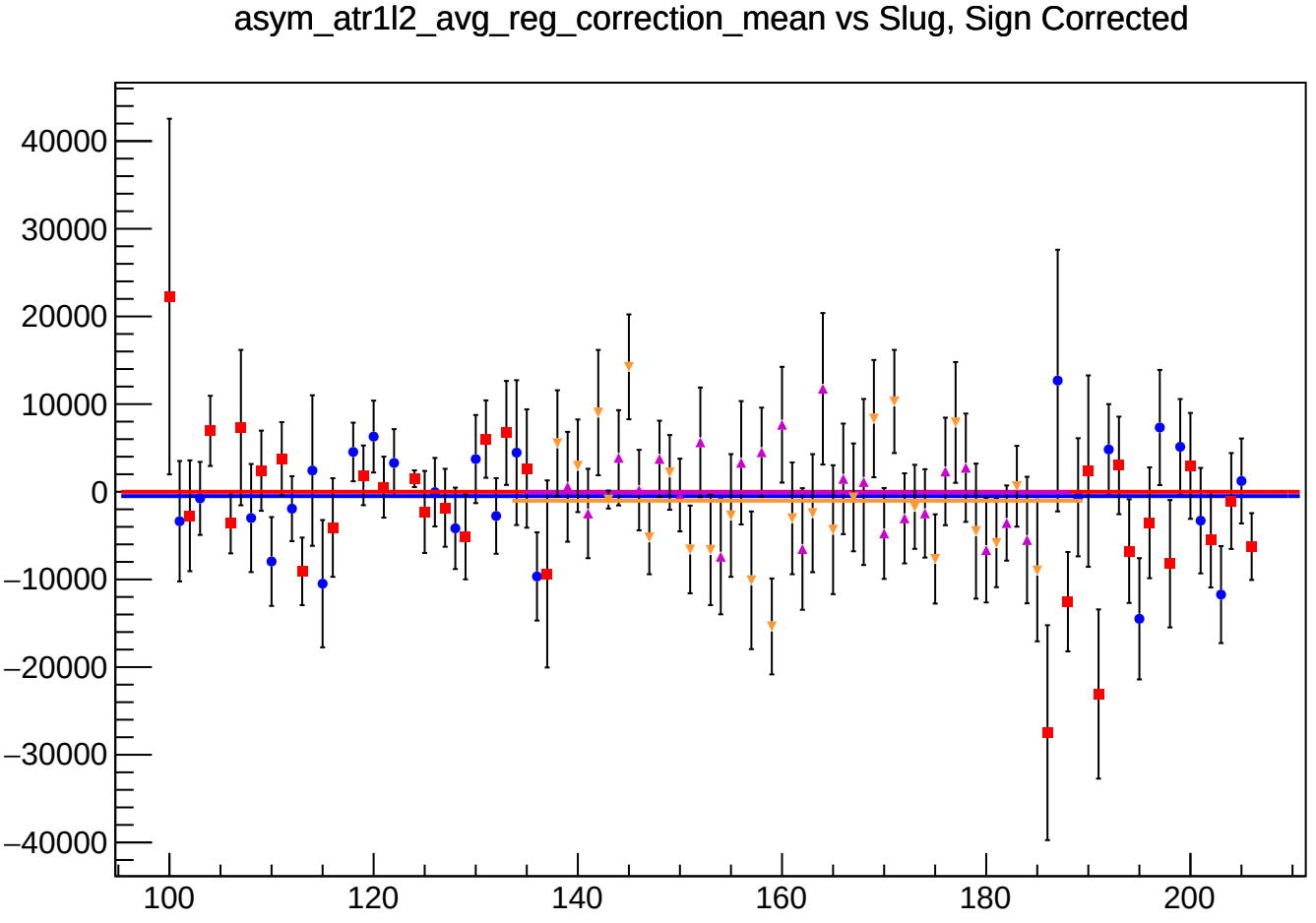
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1768.146+/-0.230 χ^2/NDF: 1321083.0/55

In: 1808.155+/-0.226 χ^2/NDF:771917.8/47

Out: 1814.059+/-0.217 χ^2/NDF:1010722.1/55

All: 1811.230+/-0.156 χ^2/NDF: 1782995.7/10



Right In: -496.002+/-1015.615 χ^2/NDF: 28.8/24

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -5.186+/-670.670 χ^2/NDF: 44.4/30

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

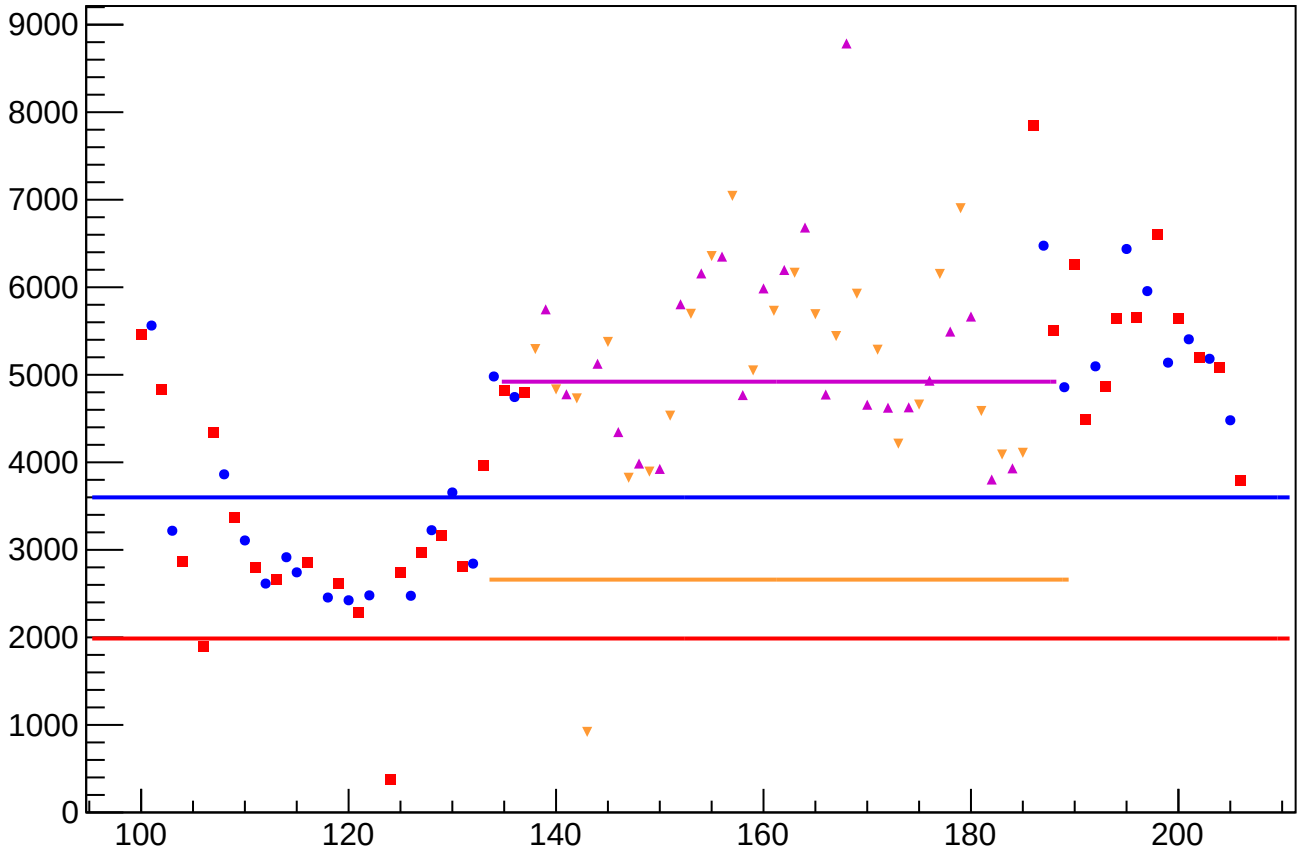
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: -154.226+/-559.655 χ^2/NDF: 73.4/55

In: -310.286+/-767.928 χ^2/NDF:41.9/47

Out: -441.293+/-506.245 χ^2/NDF:79.1/55

All: -401.606+/-422.666 χ^2/NDF: 121.1/103



Right In: 3599.638+/-0.718 χ^2/NDF: 2827164.3/24

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1987.256+/-0.474 χ^2/NDF: 14848791.0/30

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

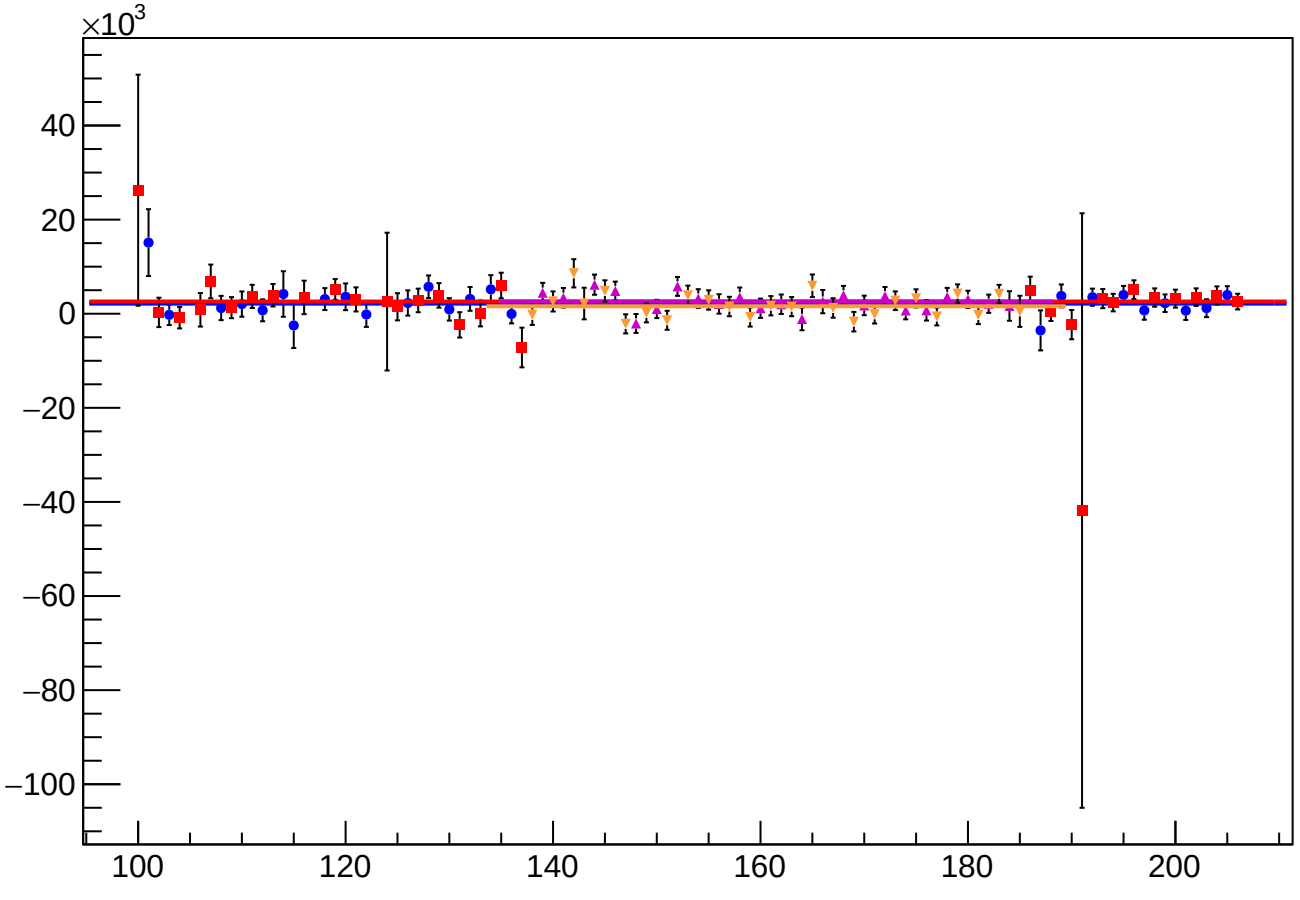
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2476.867+/-0.396 χ^2/NDF: 21186151.0/55

In: 4165.687+/-0.543 χ^2/NDF:5528903.0/47

Out: 2276.691+/-0.358 χ^2/NDF:30250666.8/55

All: 2848.938+/-0.299 χ^2/NDF: 44215303.3/1



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.833+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

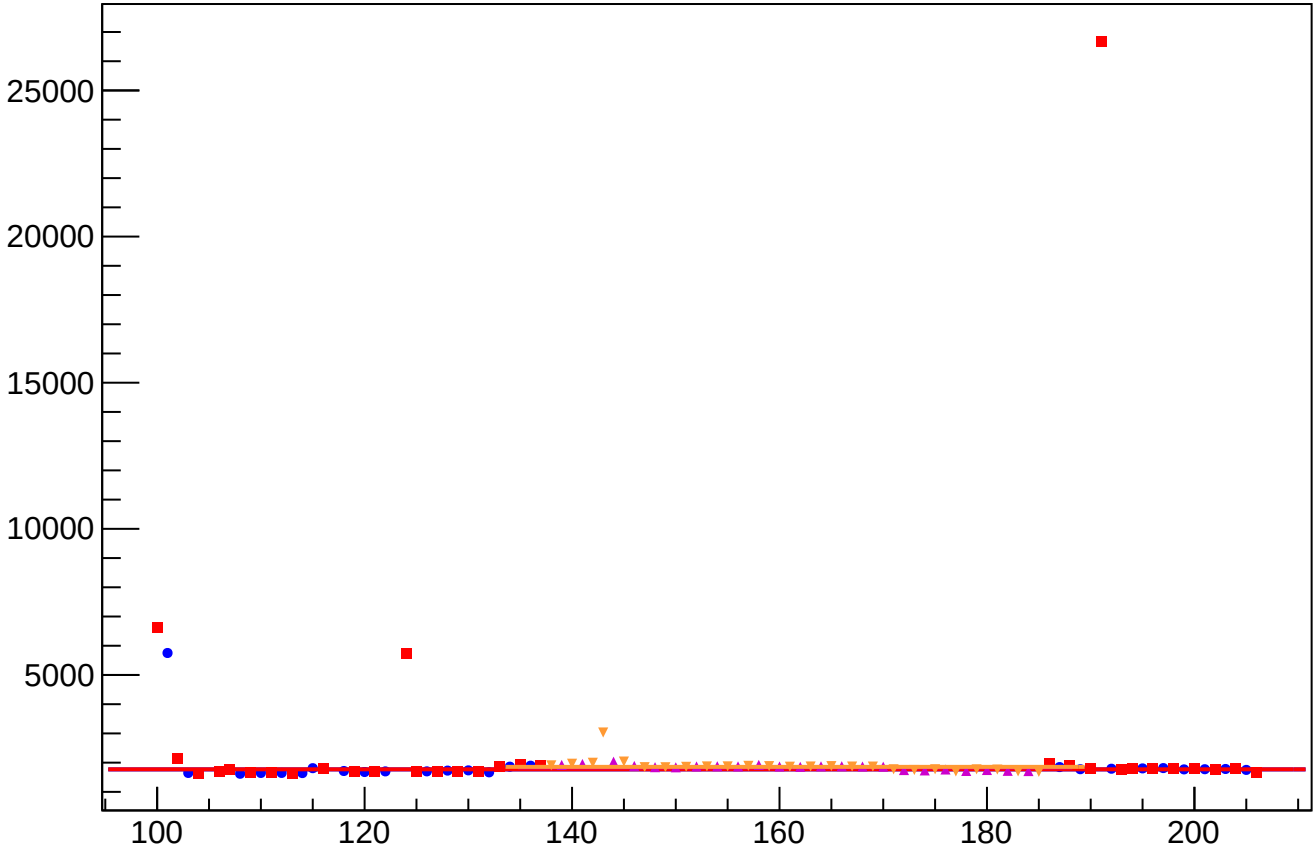
Right: 2388.639+/-325.521 χ^2/NDF: 45.5/55

In: 2396.860+/-319.459 χ^2/NDF:38.8/47

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2226.347+/-221.300 χ^2/NDF: 100.1/103

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

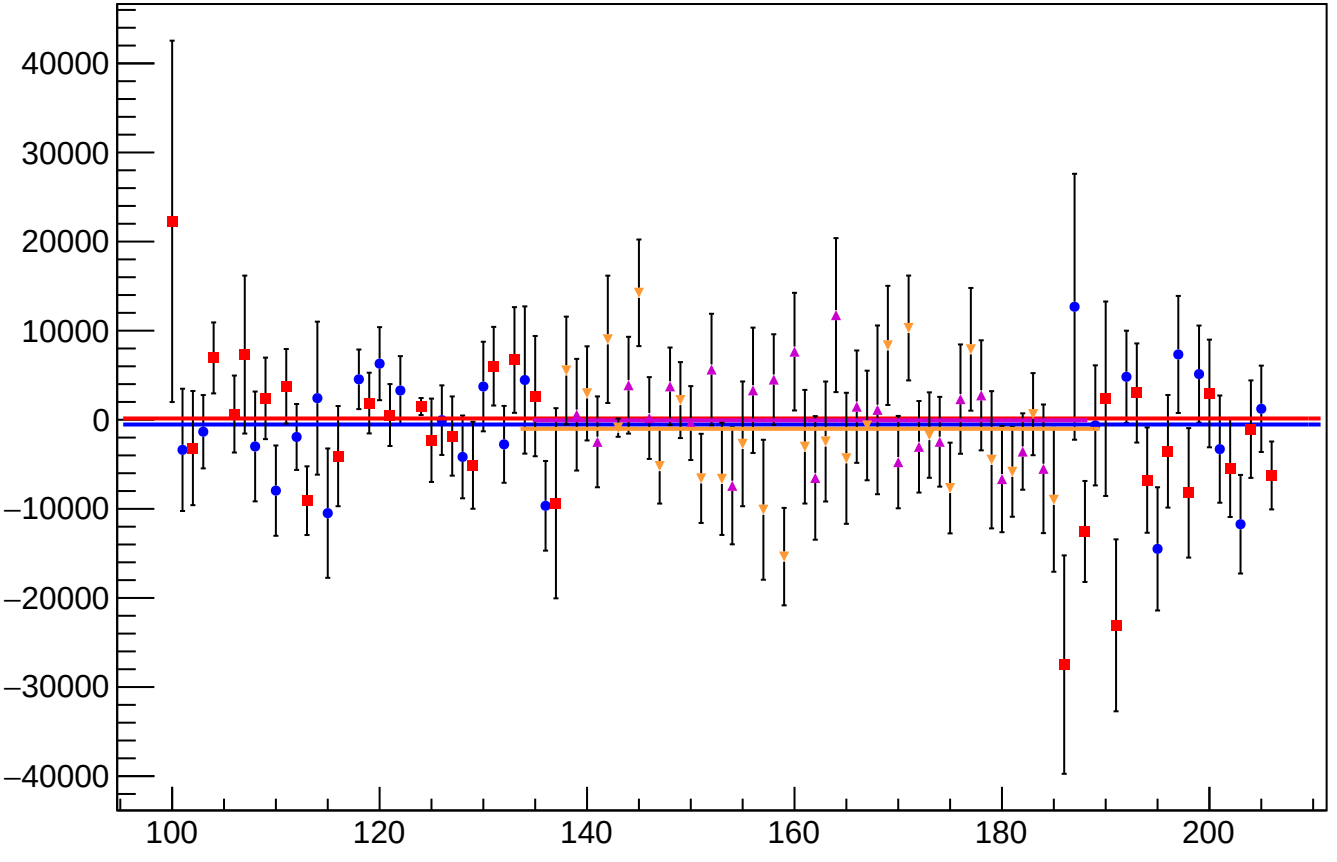
Right: 1769.861+/-0.230 χ^2/NDF: 1312770.2/55

In: 1808.155+/-0.226 χ^2/NDF:771918.2/47

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1812.059+/-0.156 χ^2/NDF: 1771852.8/10

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 143.452+/-675.177 χ^2/NDF: 43.4/30

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

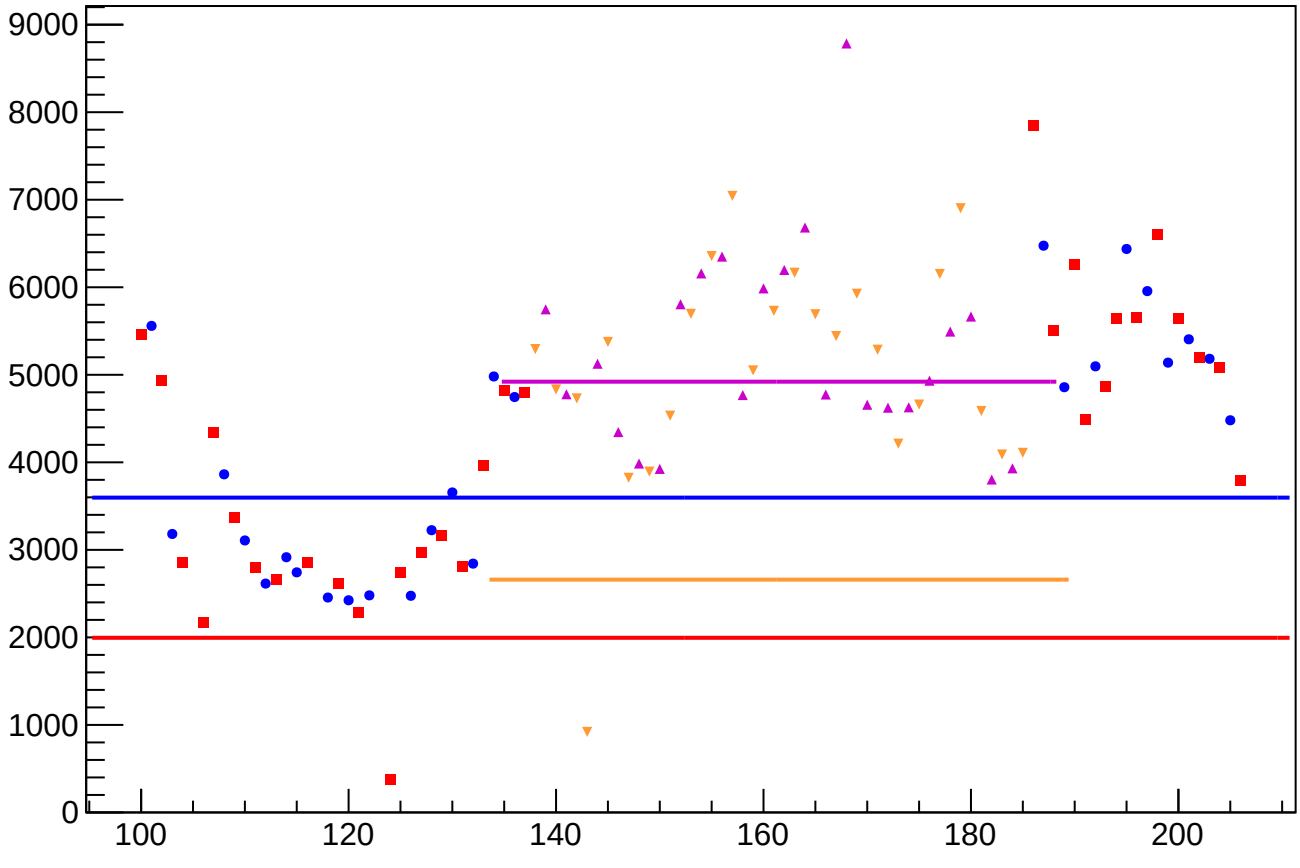
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: -63.896+/-562.134 χ^2/NDF: 72.6/55

In: -331.200+/-767.590 χ^2/NDF:42.0/47

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -351.482+/-423.727 χ^2/NDF: 120.4/103



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

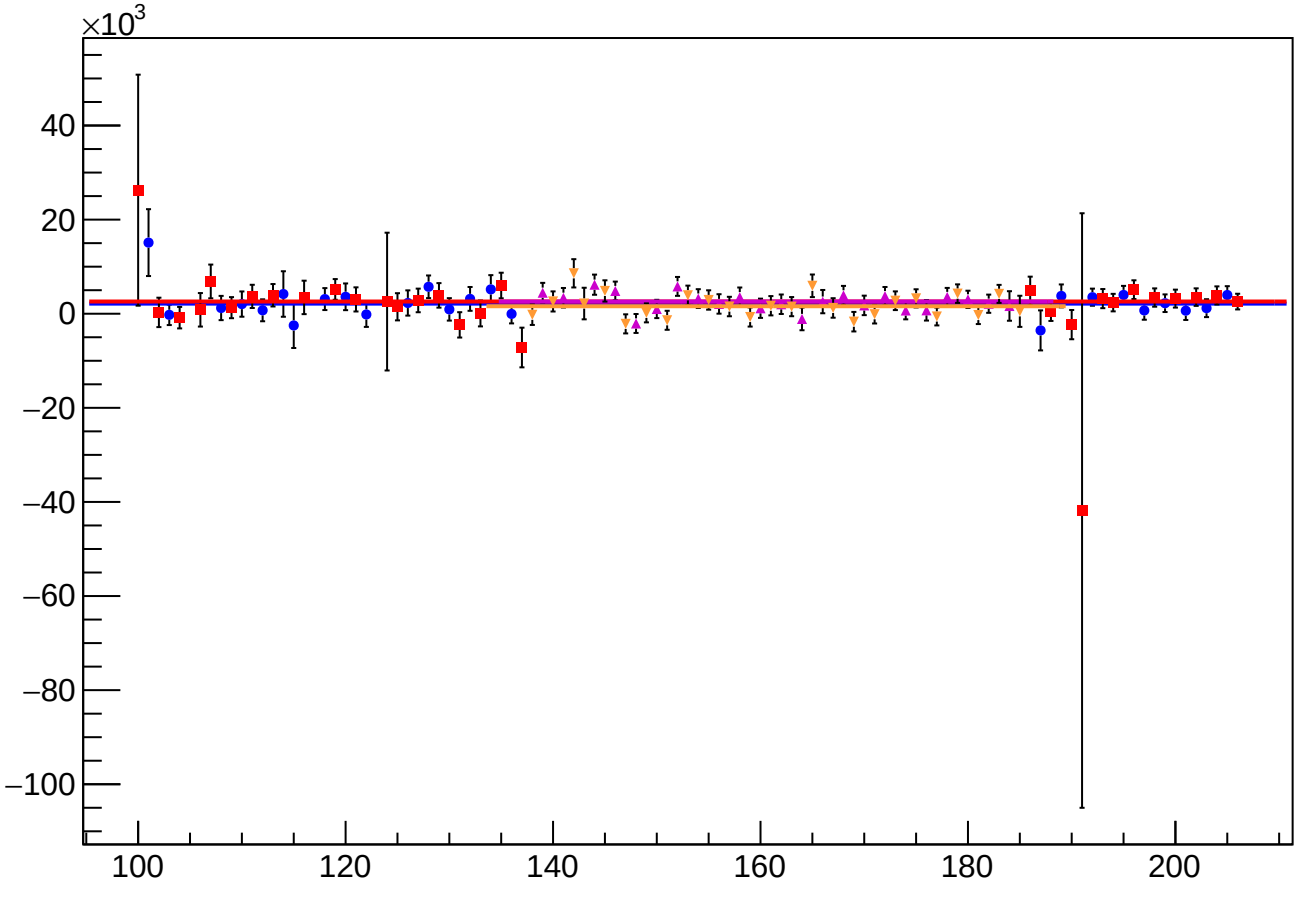
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2486.732+/-0.397 χ^2/NDF: 21149005.7/55

In: 4163.567+/-0.543 χ^2/NDF:5539542.4/47

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2856.386+/-0.300 χ^2/NDF: 44124788.2/



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.833+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

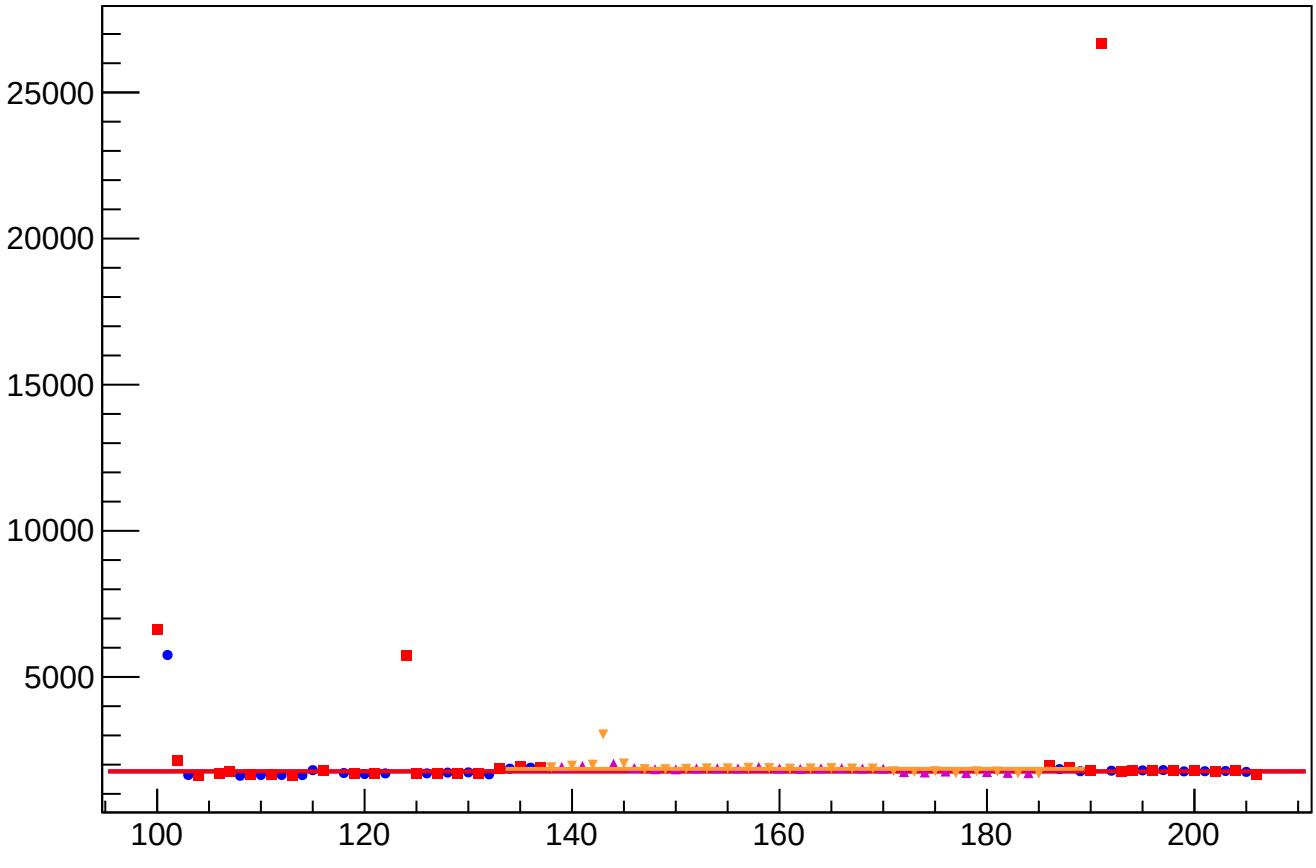
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2388.639+/-325.521 χ^2/NDF: 45.5/55

In: 2396.860+/-319.459 χ^2/NDF:38.8/47

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2226.347+/-221.300 χ^2/NDF: 100.1/103



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

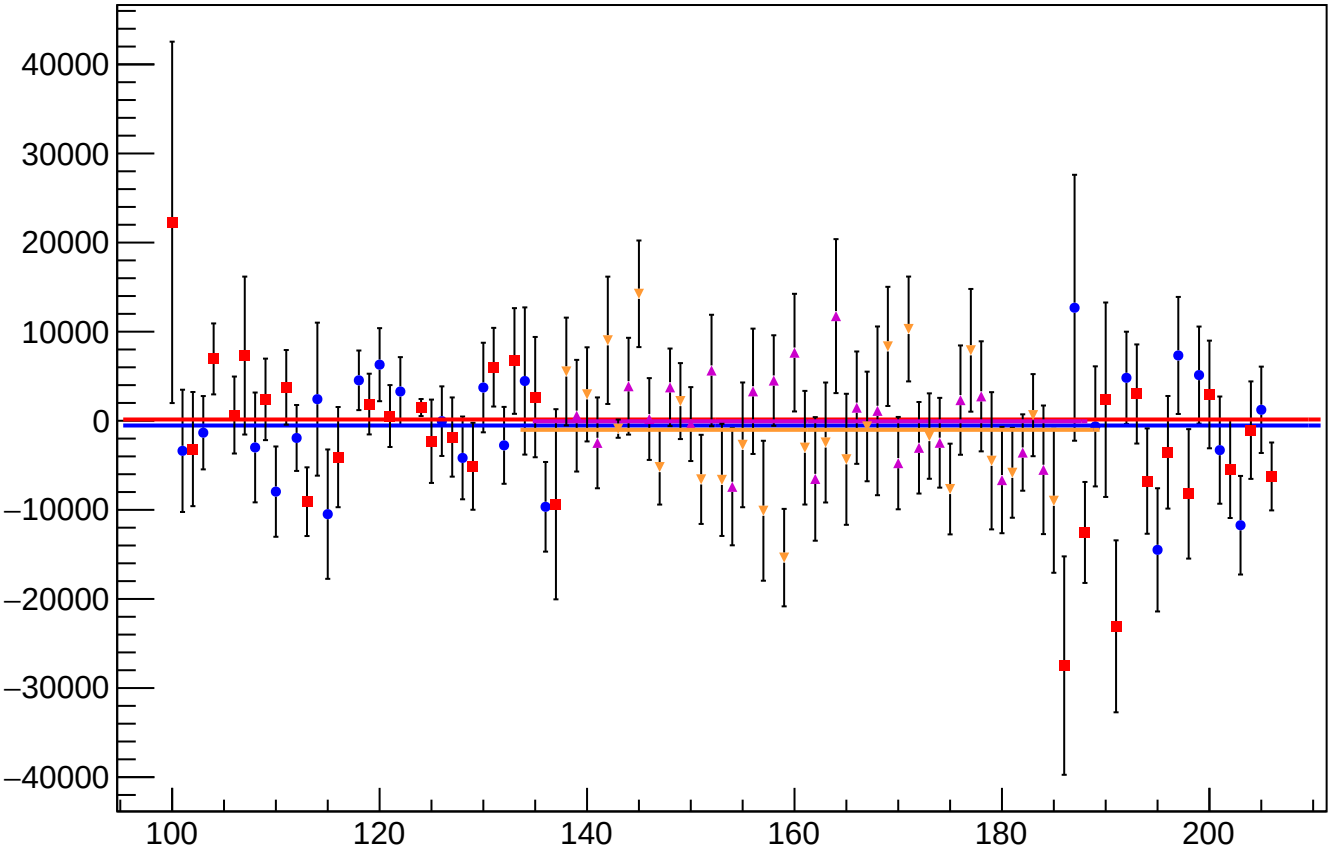
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1769.861+/-0.230 χ^2/NDF: 1312770.2/55

In: 1808.155+/-0.226 χ^2/NDF:771918.2/47

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1812.059+/-0.156 χ^2/NDF: 1771852.8/10



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 143.452+/-675.177 χ^2/NDF: 43.4/30

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

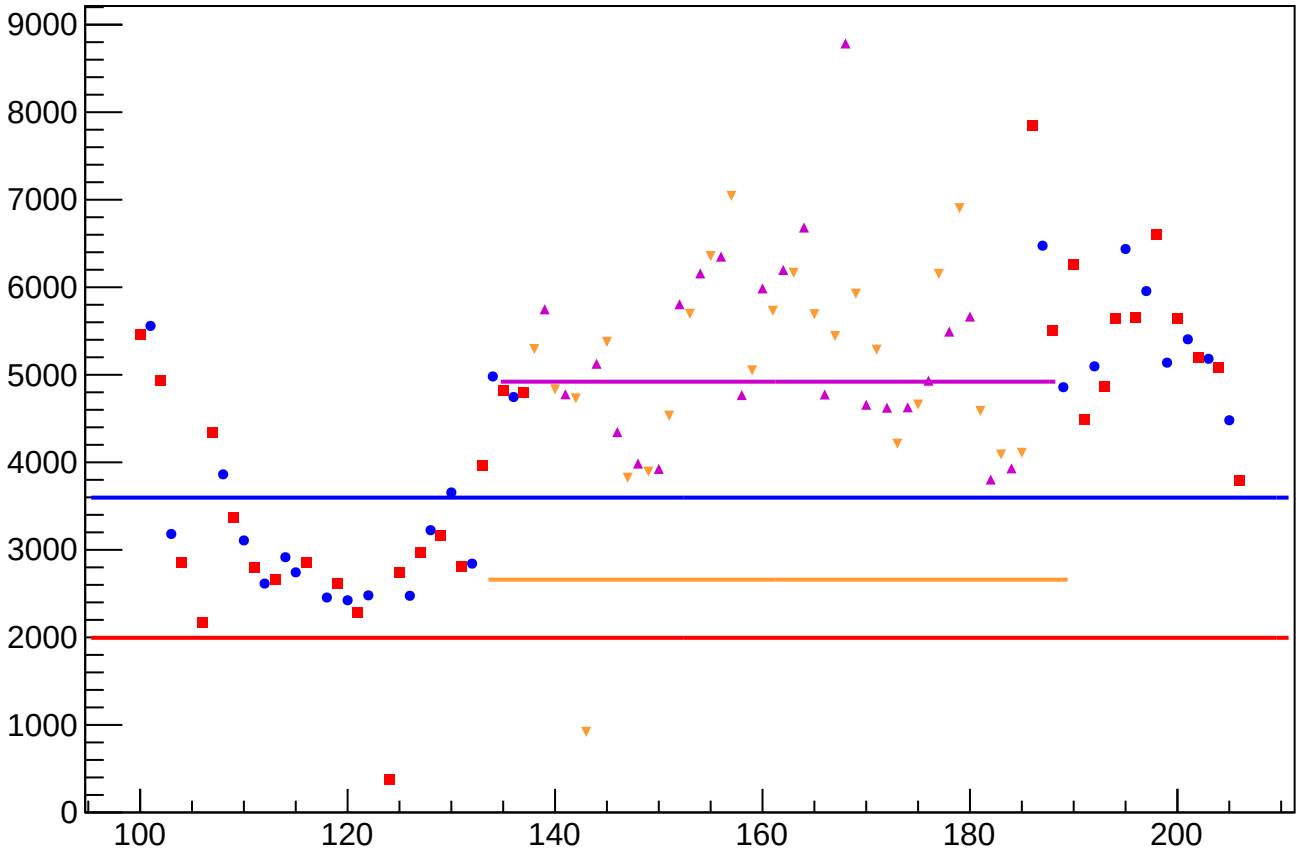
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: -63.896+/-562.134 χ^2/NDF: 72.6/55

In: -331.200+/-767.590 χ^2/NDF:42.0/47

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -351.482+/-423.727 χ^2/NDF: 120.4/103



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

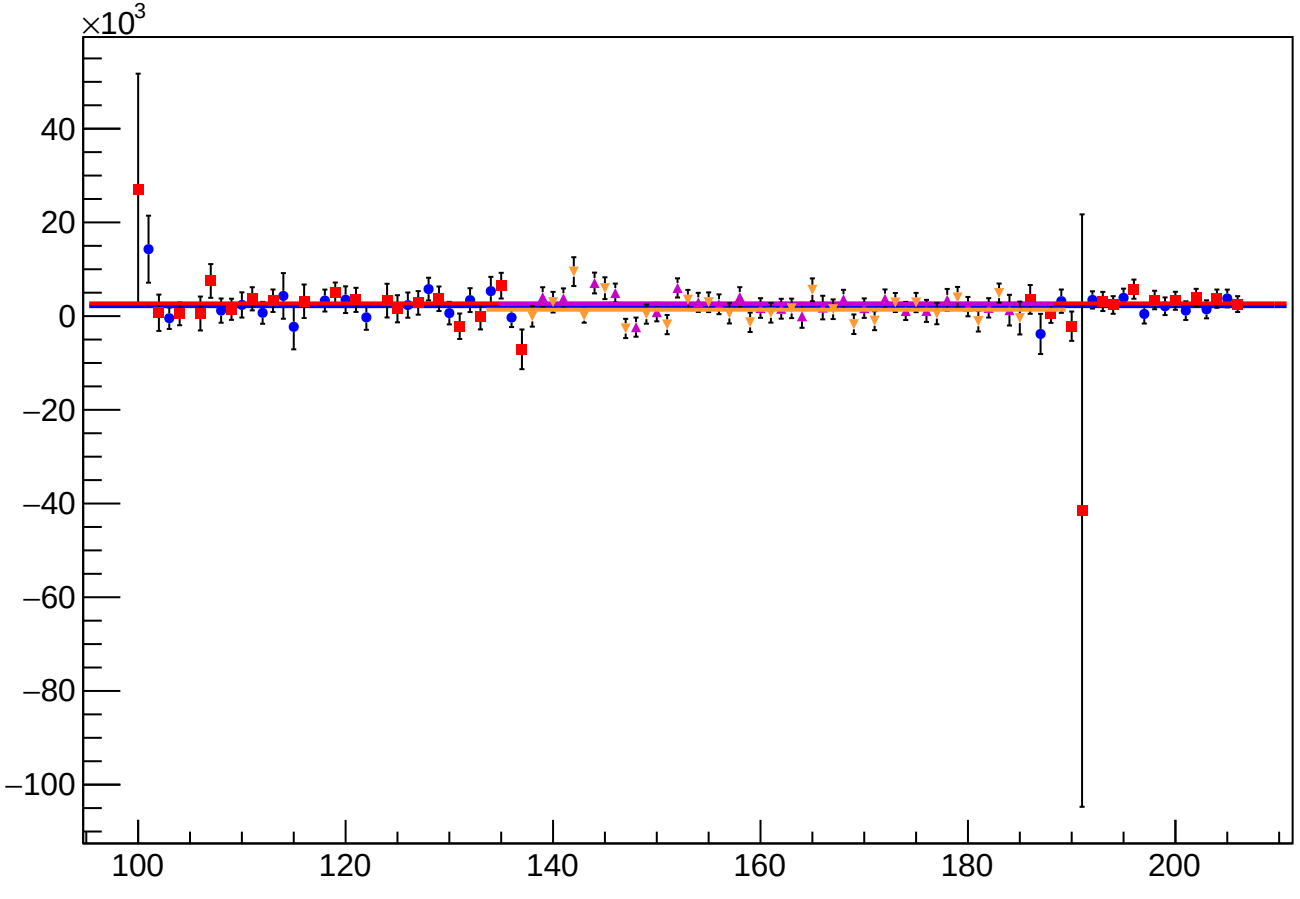
Right: 2486.732+/-0.397 χ^2/NDF: 21149005.7/55

In: 4163.567+/-0.543 χ^2/NDF:5539542.4/47

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2856.386+/-0.300 χ^2/NDF: 44124788.2/

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2127.705+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2713.395+/-448.808 χ^2/NDF: 25.1/30

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

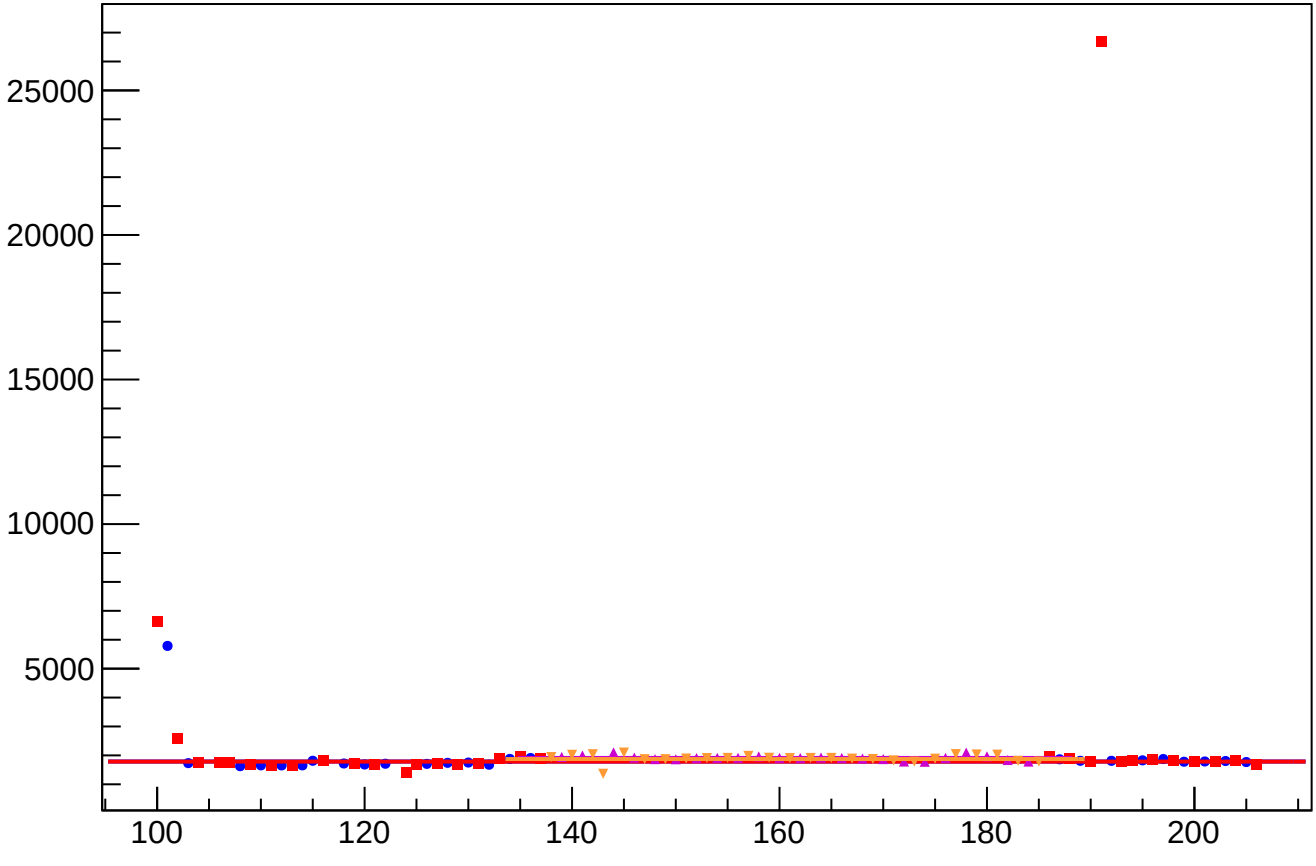
Right: 2441.689+/-328.610 χ^2/NDF: 43.6/55

In: 2383.509+/-327.796 χ^2/NDF:38.2/47

Out: 2005.582+/-309.483 χ^2/NDF:66.0/55

All: 2183.695+/-225.033 χ^2/NDF: 104.9/103

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.8/24

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561156.8/30

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

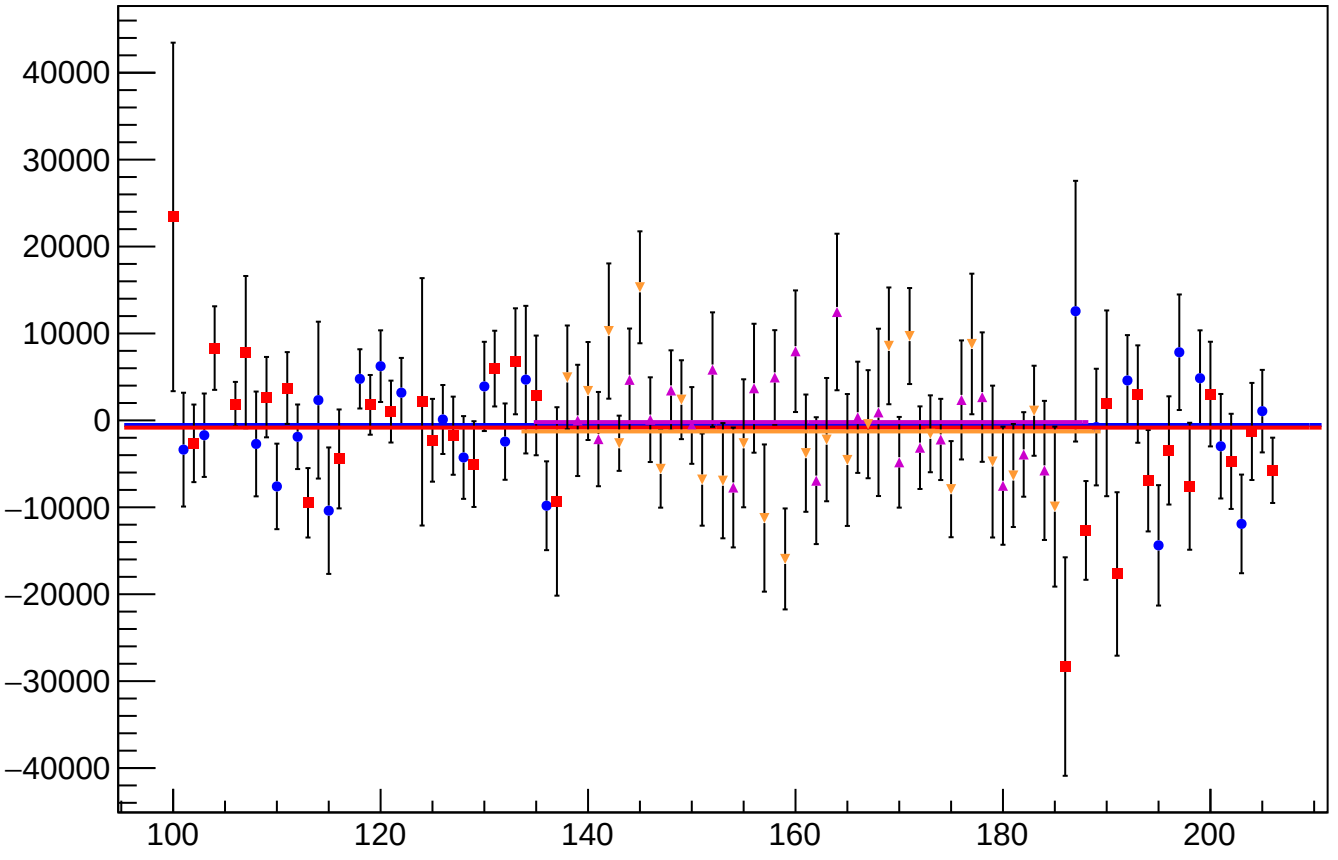
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1786.775+/-0.232 χ^2/NDF: 1236204.5/55

In: 1854.640+/-0.232 χ^2/NDF:804142.8/47

Out: 1831.367+/-0.219 χ^2/NDF:911102.8/55

All: 1842.328+/-0.159 χ^2/NDF: 1720578.9/10



Right In: -531.472+/-1031.889 χ^2/NDF: 28.3/24

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -832.108+/-912.378 χ^2/NDF: 38.5/30

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

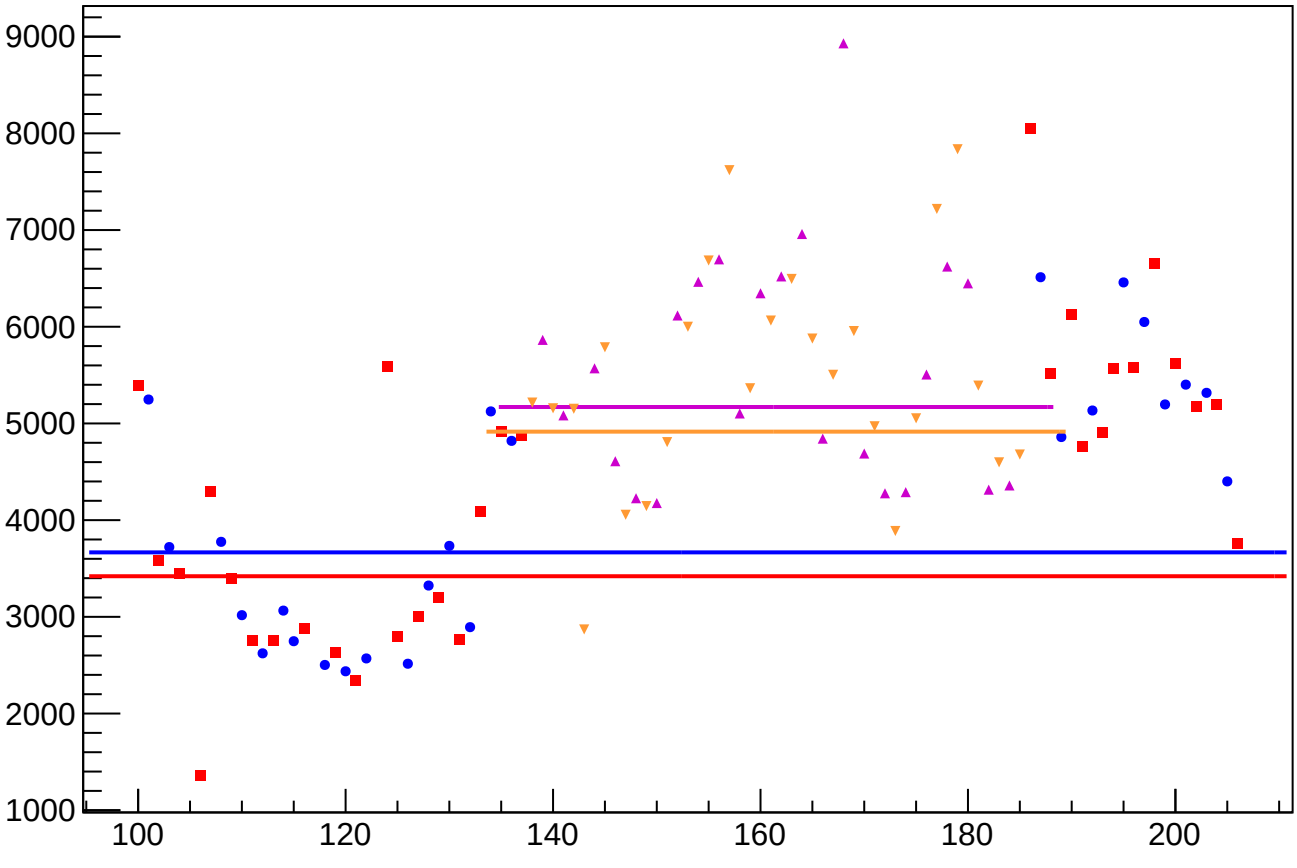
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -700.200+/-683.515 χ^2/NDF: 66.9/55

In: -393.871+/-791.738 χ^2/NDF:41.1/47

Out: -1000.067+/-716.217 χ^2/NDF:72.0/55

All: -727.252+/-531.140 χ^2/NDF: 113.4/103



Right In: 3666.680+/-0.730 χ^2/NDF: 2727651.2/24

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3419.985+/-0.645 χ^2/NDF: 4512970.6/30

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

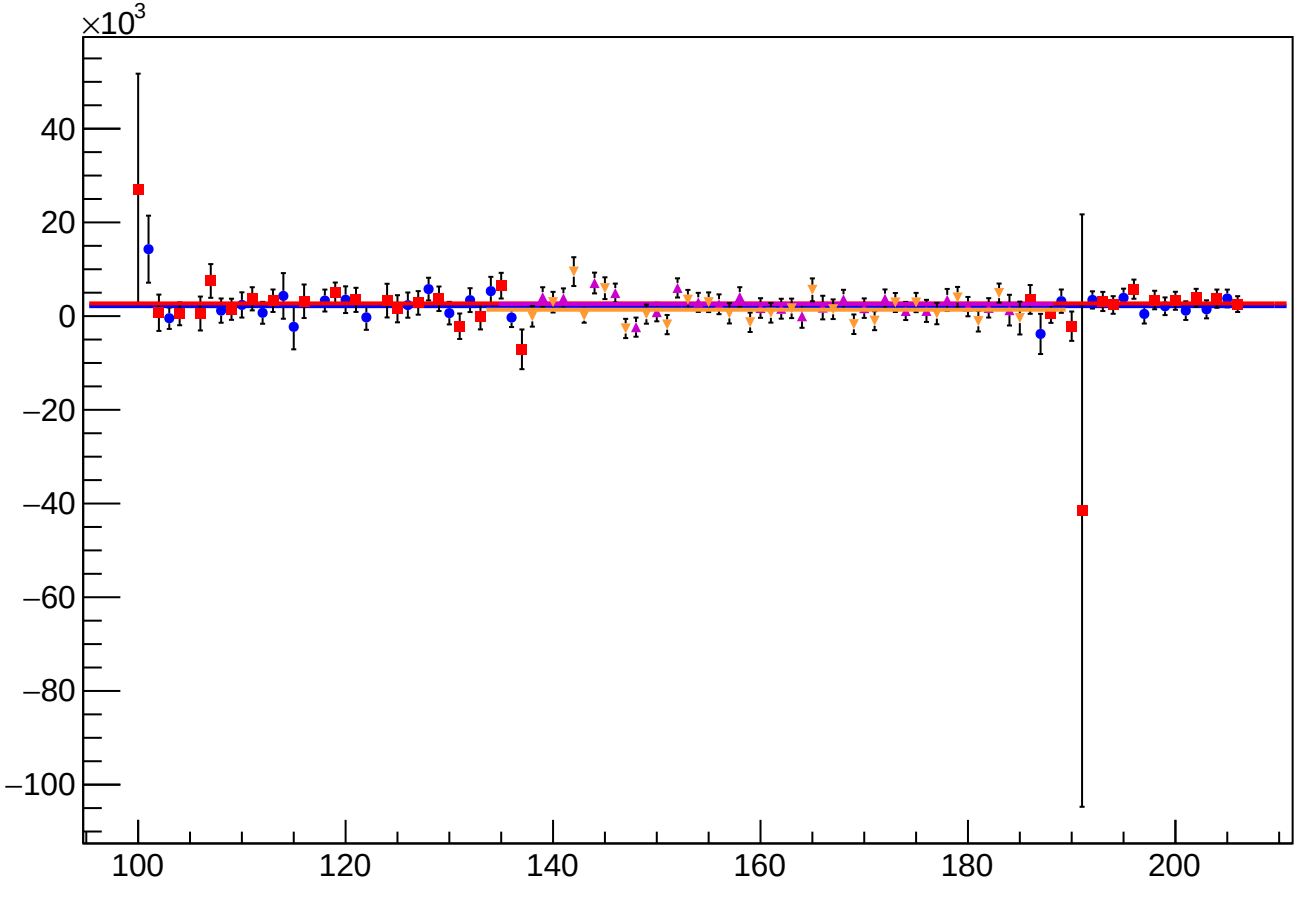
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3528.226+/-0.483 χ^2/NDF: 7304777.0/55

In: 4285.000+/-0.560 χ^2/NDF:5822334.0/47

Out: 3993.826+/-0.506 χ^2/NDF:8740724.3/55

All: 4124.867+/-0.376 χ^2/NDF: 14711823.4/



Right In: 2127.703+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2713.392+/-448.808 χ^2/NDF: 25.1/30

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

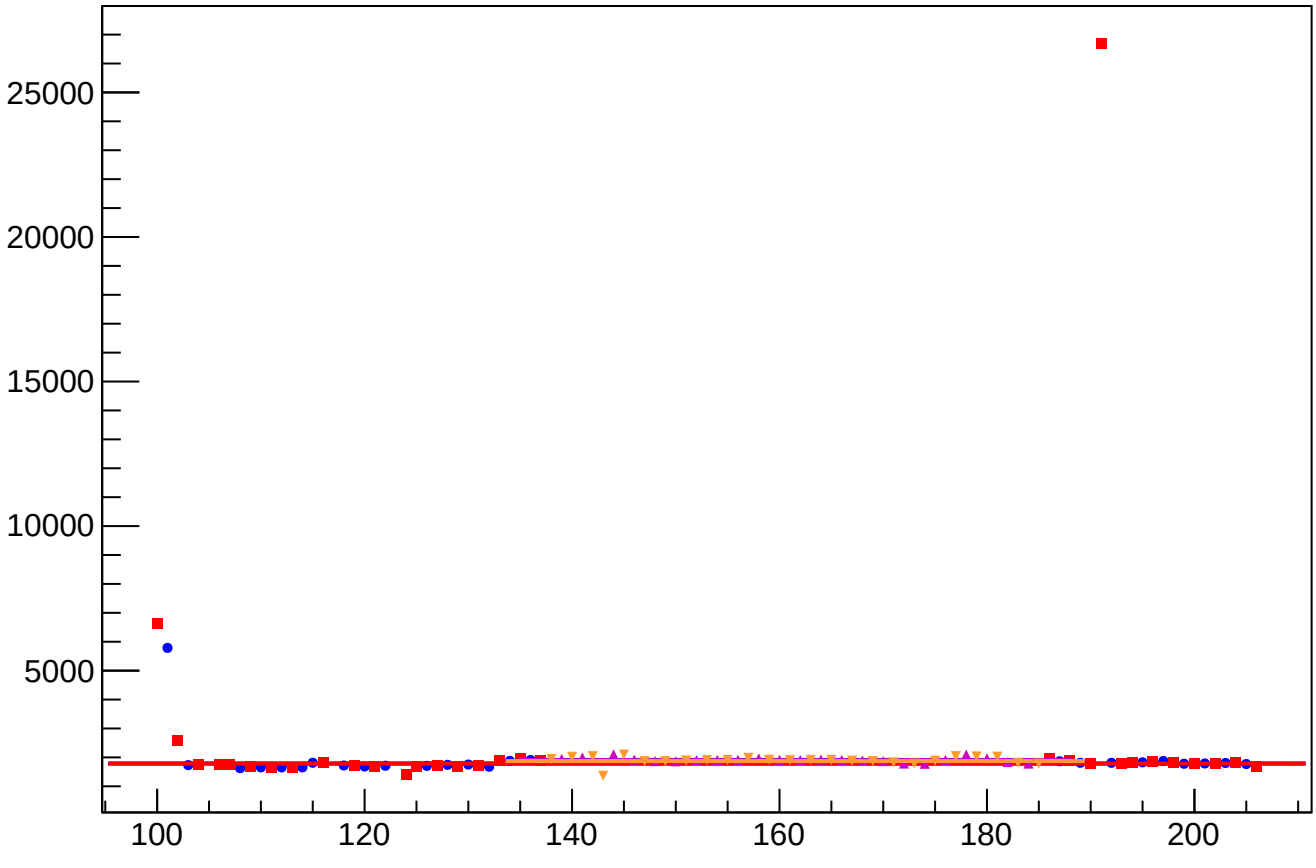
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2441.687+/-328.610 χ^2/NDF: 43.6/55

In: 2383.508+/-327.796 χ^2/NDF:38.2/47

Out: 2005.580+/-309.483 χ^2/NDF:66.0/55

All: 2183.693+/-225.033 χ^2/NDF: 104.9/103



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.9/24

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561157.0/30

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

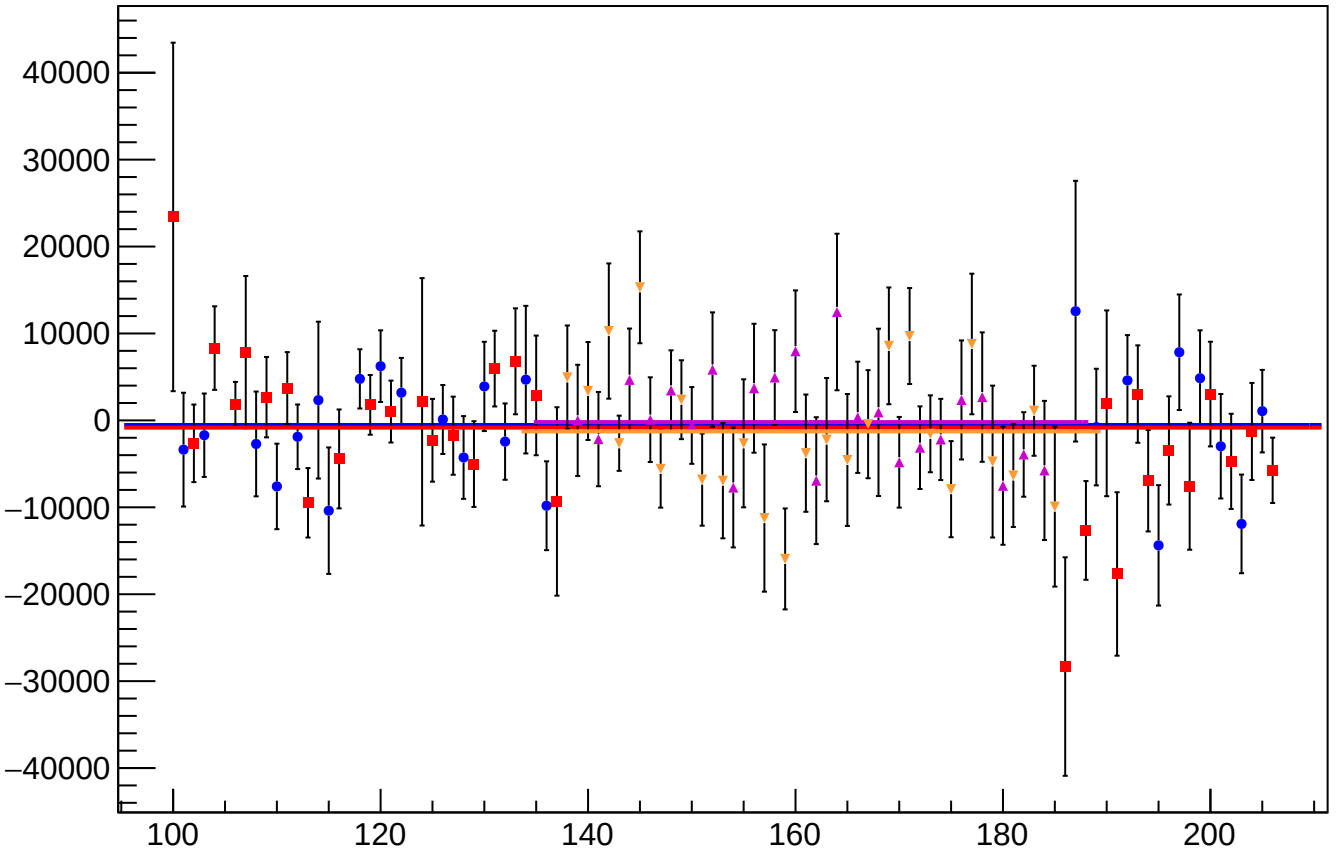
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1786.775+/-0.232 χ^2/NDF: 1236204.8/55

In: 1854.640+/-0.232 χ^2/NDF:804146.4/47

Out: 1831.367+/-0.219 χ^2/NDF:911107.3/55

All: 1842.329+/-0.159 χ^2/NDF: 1720587.1/10



Right In: -531.466+/-1031.887 χ^2/NDF: 28.3/24

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -832.097+/-912.376 χ^2/NDF: 38.5/30

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

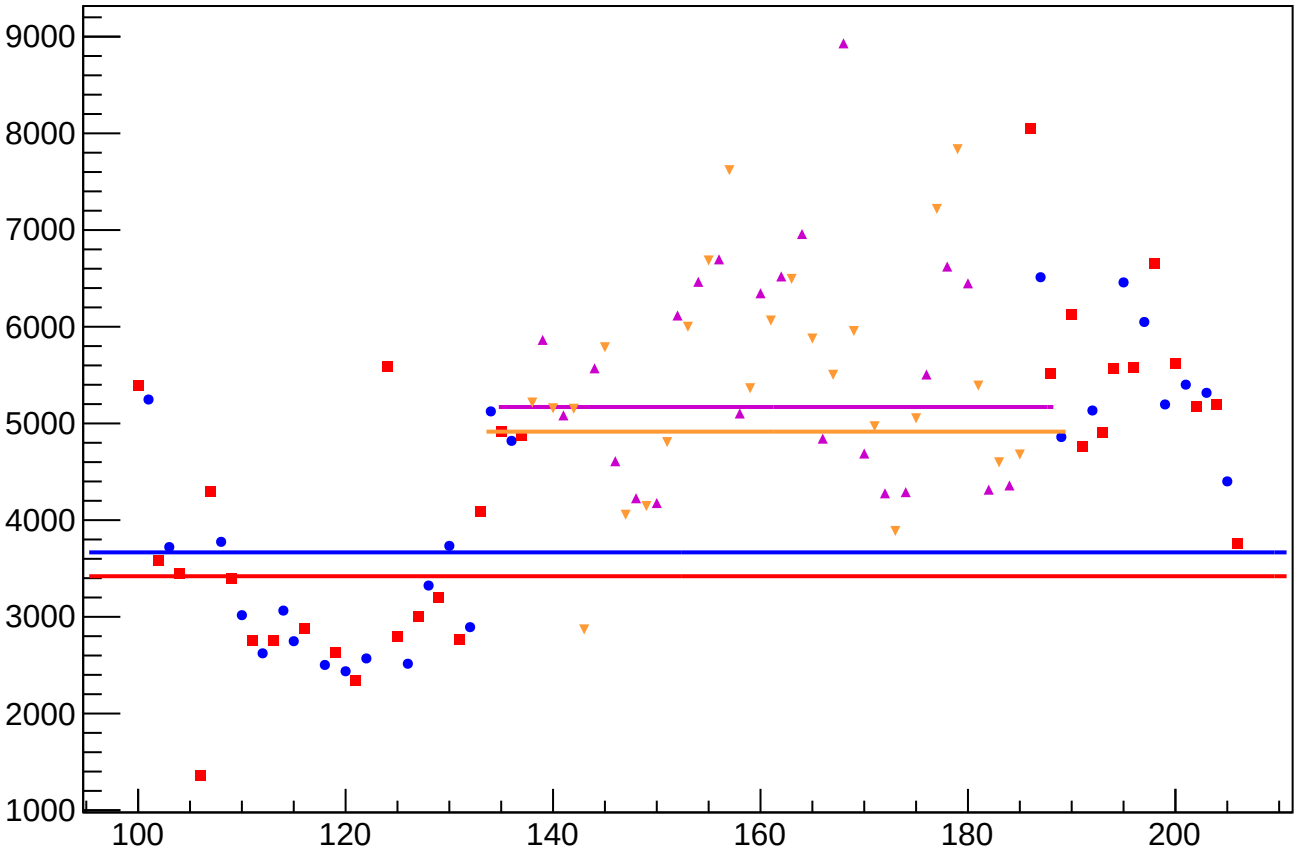
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -700.191+/-683.513 χ^2/NDF: 66.9/55

In: -393.868+/-791.738 χ^2/NDF:41.1/47

Out: -1000.062+/-716.217 χ^2/NDF:72.0/55

All: -727.248+/-531.140 χ^2/NDF: 113.4/103



Right In: 3666.670+/-0.730 χ^2/NDF: 2727691.6/24

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3419.973+/-0.645 χ^2/NDF: 4513034.6/30

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

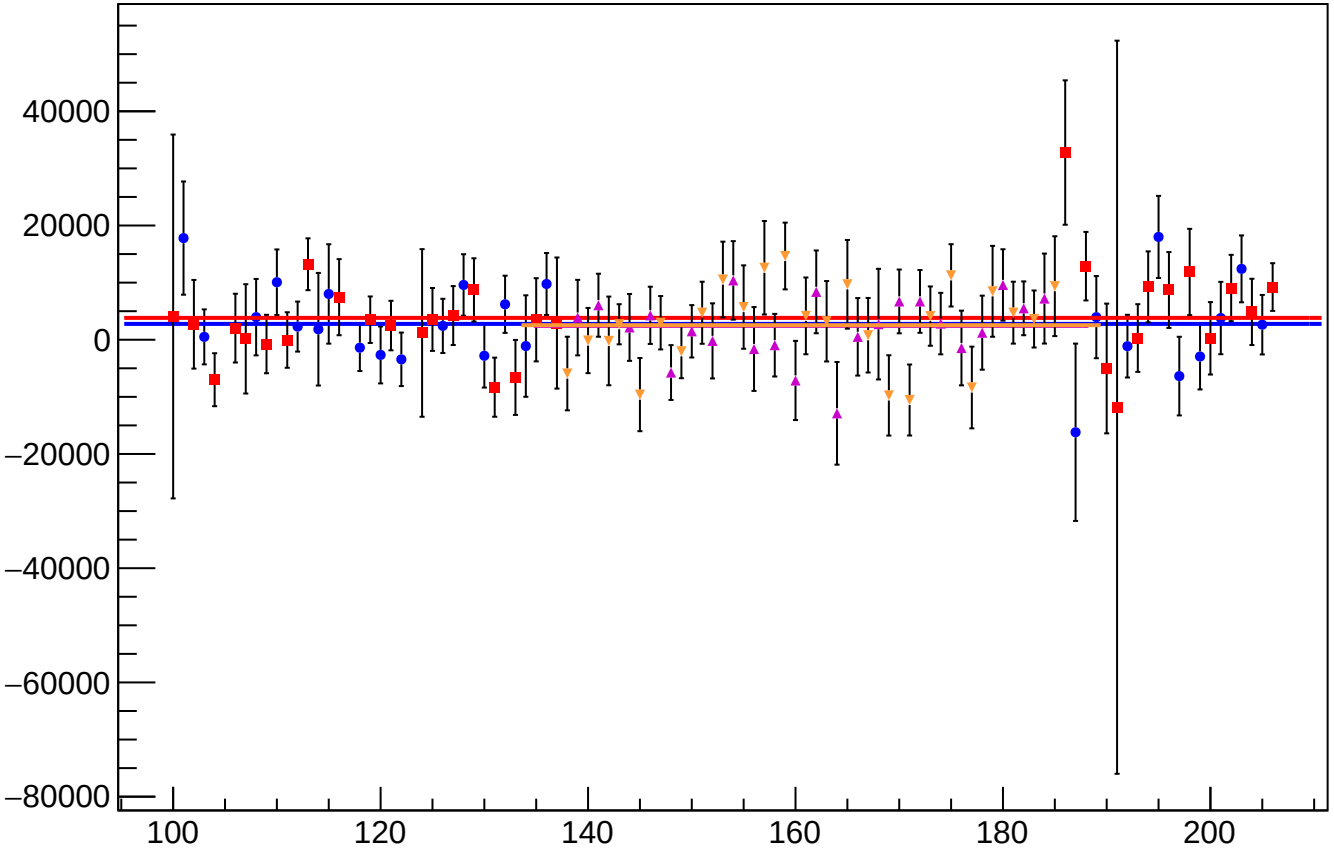
Right: 3528.215+/-0.483 χ^2/NDF: 7304882.6/55

In: 4284.995+/-0.560 χ^2/NDF:5822416.5/47

Out: 3993.819+/-0.506 χ^2/NDF:8740845.5/55

All: 4124.861+/-0.376 χ^2/NDF: 14712029.5/

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2773.368+/-1159.833 χ^2/NDF: 25.5/24

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3826.723+/-1090.419 χ^2/NDF: 34.5/30

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

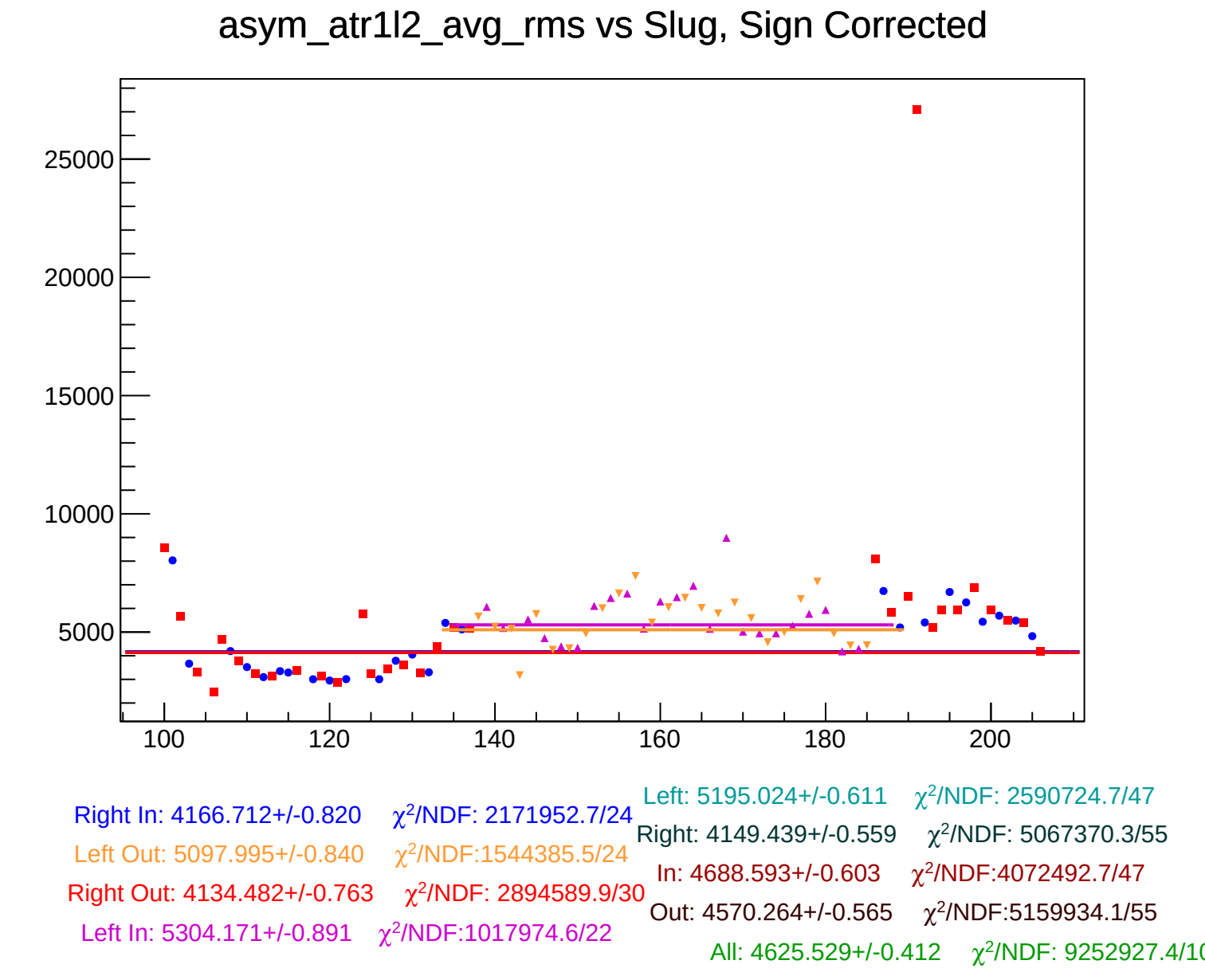
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

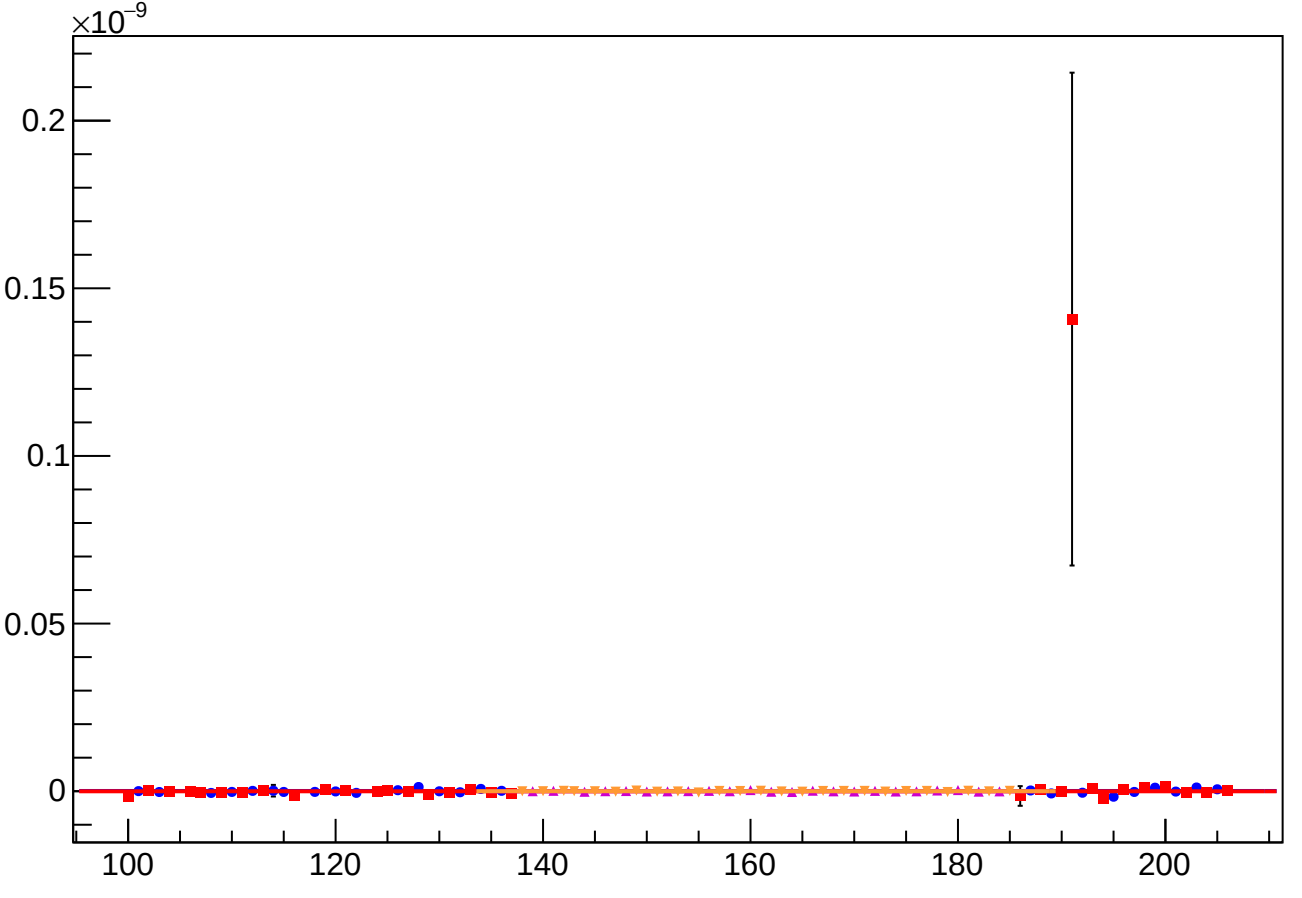
Right: 3332.508+/-794.449 χ^2/NDF: 60.4/55

In: 2612.622+/-853.236 χ^2/NDF:40.5/47

Out: 3241.425+/-803.226 χ^2/NDF:64.2/55

All: 2945.990+/-584.847 χ^2/NDF: 105.0/103


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4166.712+/-0.820 χ²/NDF: 2171952.7/24
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4134.482+/-0.763 χ²/NDF: 2894589.9/30
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4149.439+/-0.559 χ²/NDF: 5067370.3/55
In: 4688.593+/-0.603 χ²/NDF:4072492.7/47
Out: 4570.264+/-0.565 χ²/NDF:5159934.1/55
All: 4625.529+/-0.412 χ²/NDF: 9252927.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/30

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

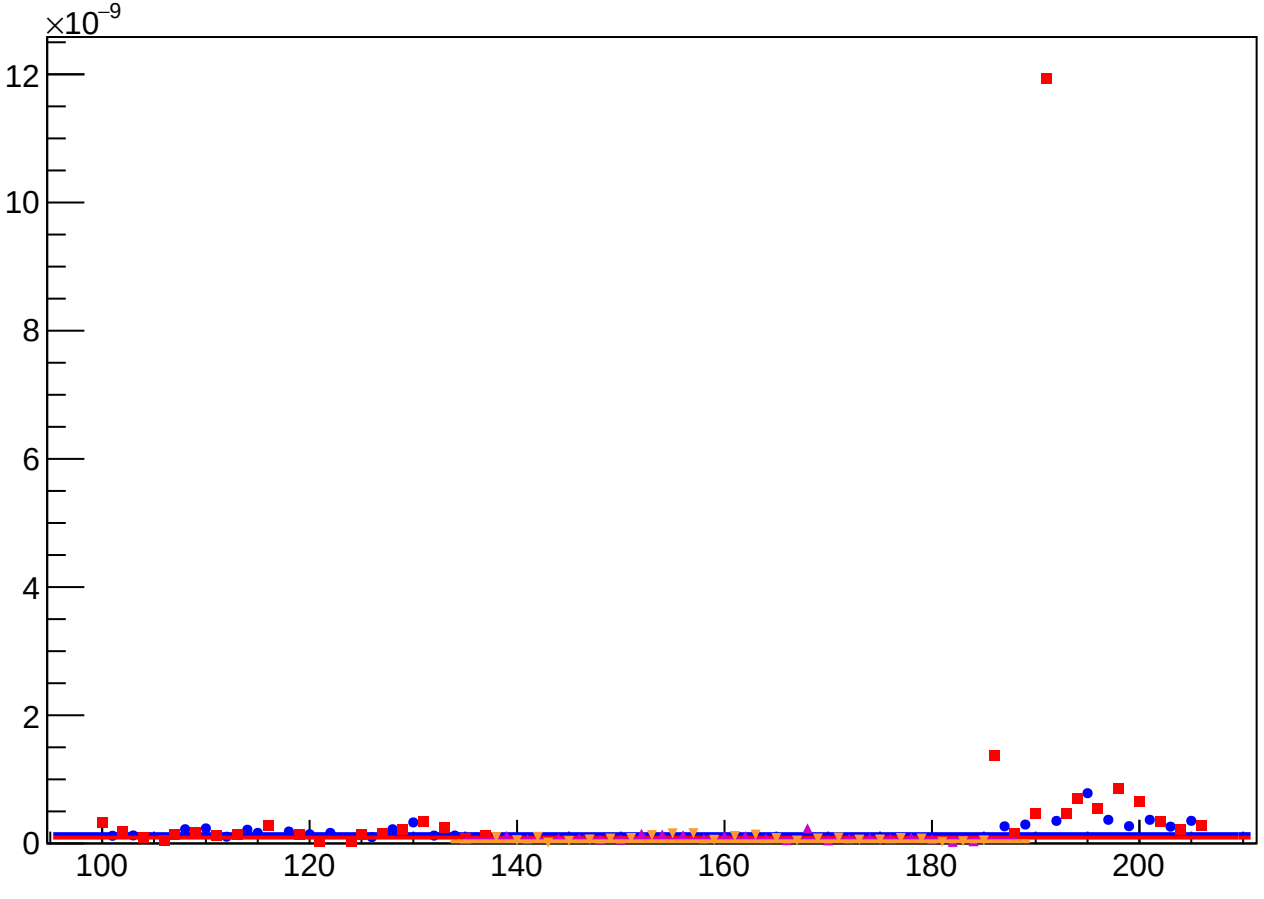
Right: 0.000+/-0.000 χ^2/NDF: 69.7/55

In: 0.000+/-0.000 χ^2/NDF:53.0/47

Out: 0.000+/-0.000 χ^2/NDF:54.8/55

All: 0.000+/-0.000 χ^2/NDF: 107.9/103

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2623368.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7014949.5/30

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

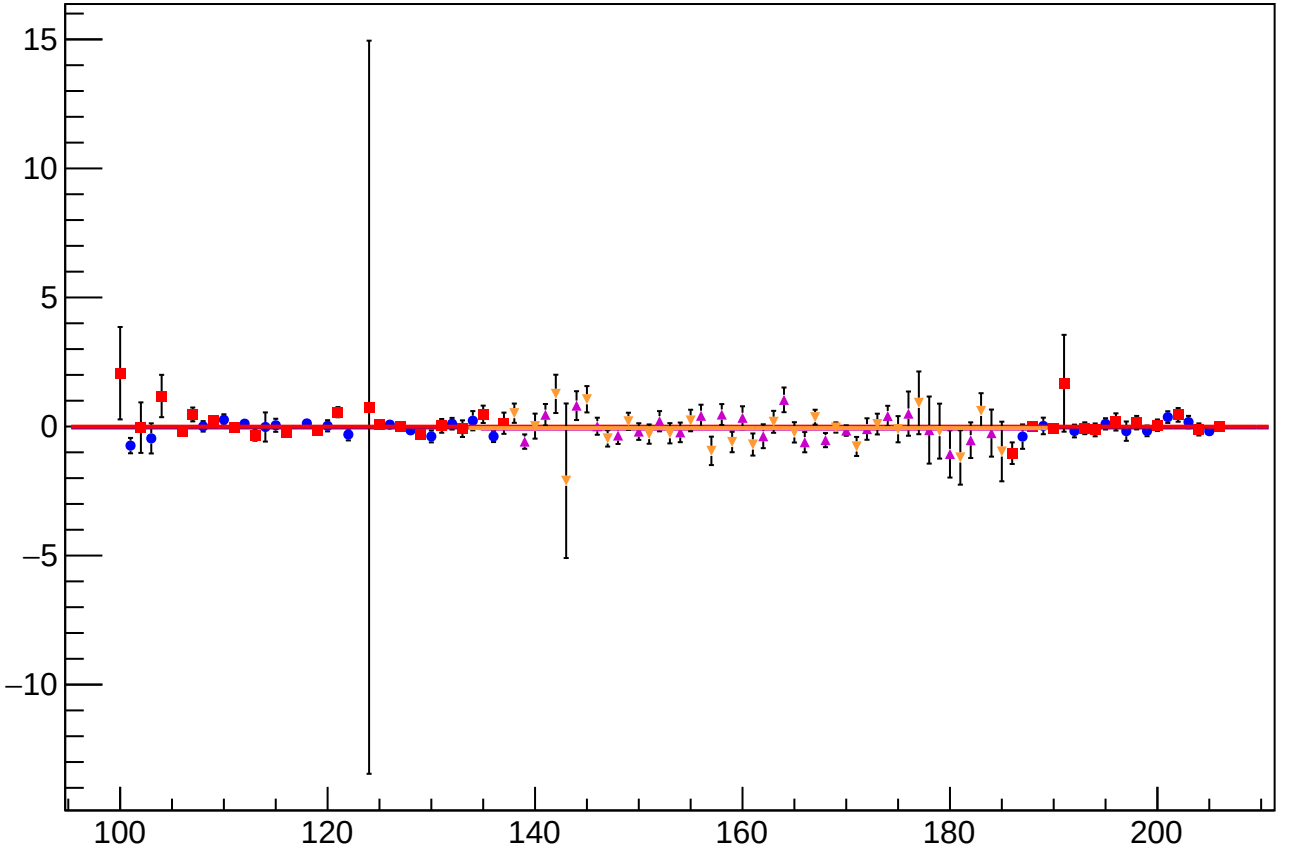
Right: 0.000+/-0.000 χ^2/NDF: 10415330.3/55

In: 0.000+/-0.000 χ^2/NDF:7195381.4/47

Out: 0.000+/-0.000 χ^2/NDF:15499615.4/55

All: 0.000+/-0.000 χ^2/NDF: 26041187.5/103

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

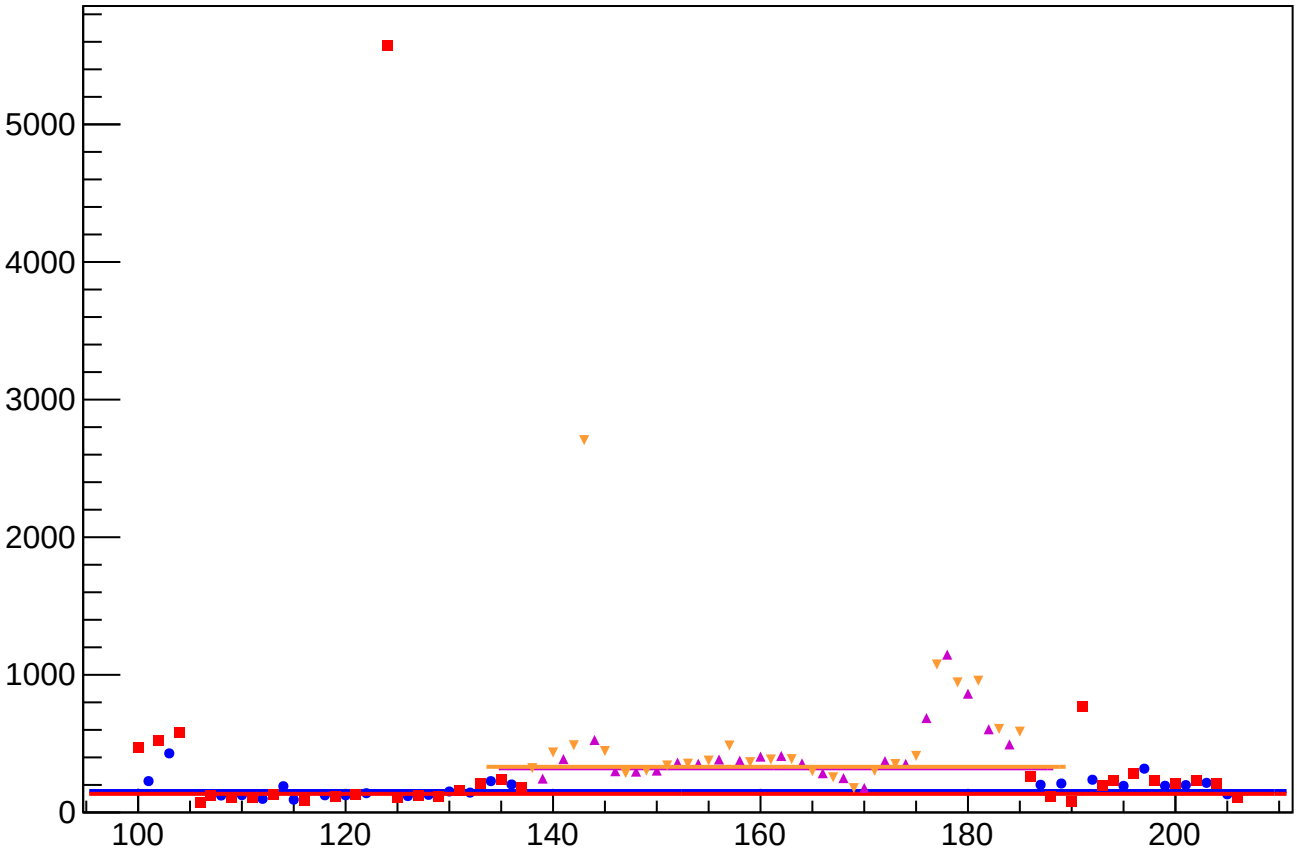
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.018+/-0.030 χ^2/NDF: 64.9/55

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.029+/-0.026 χ^2/NDF: 123.4/103



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

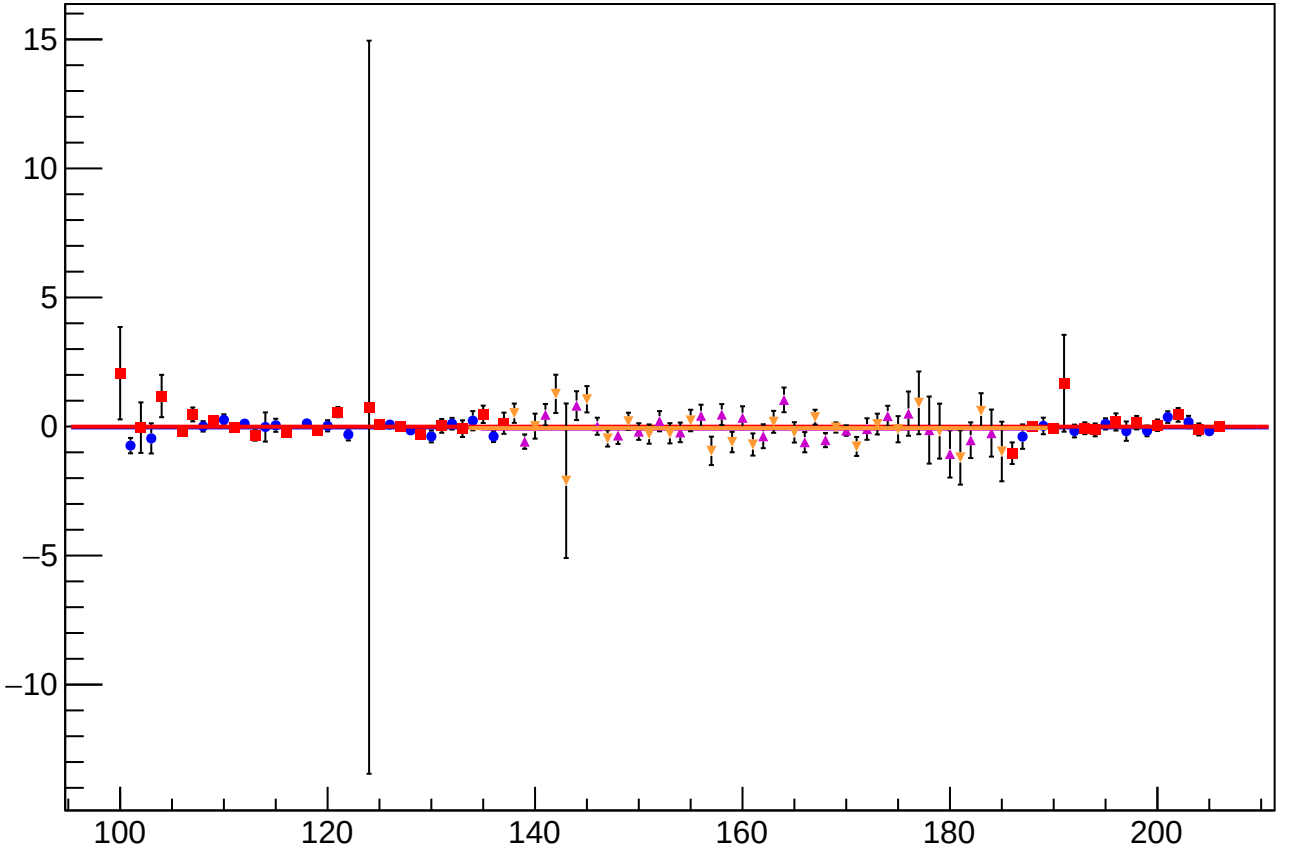
Right: 143.725+/-0.021 χ^2/NDF: 7669553.5/55

In: 195.505+/-0.028 χ^2/NDF:13049819.3/47

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 180.971+/-0.019 χ^2/NDF: 33356541.2/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

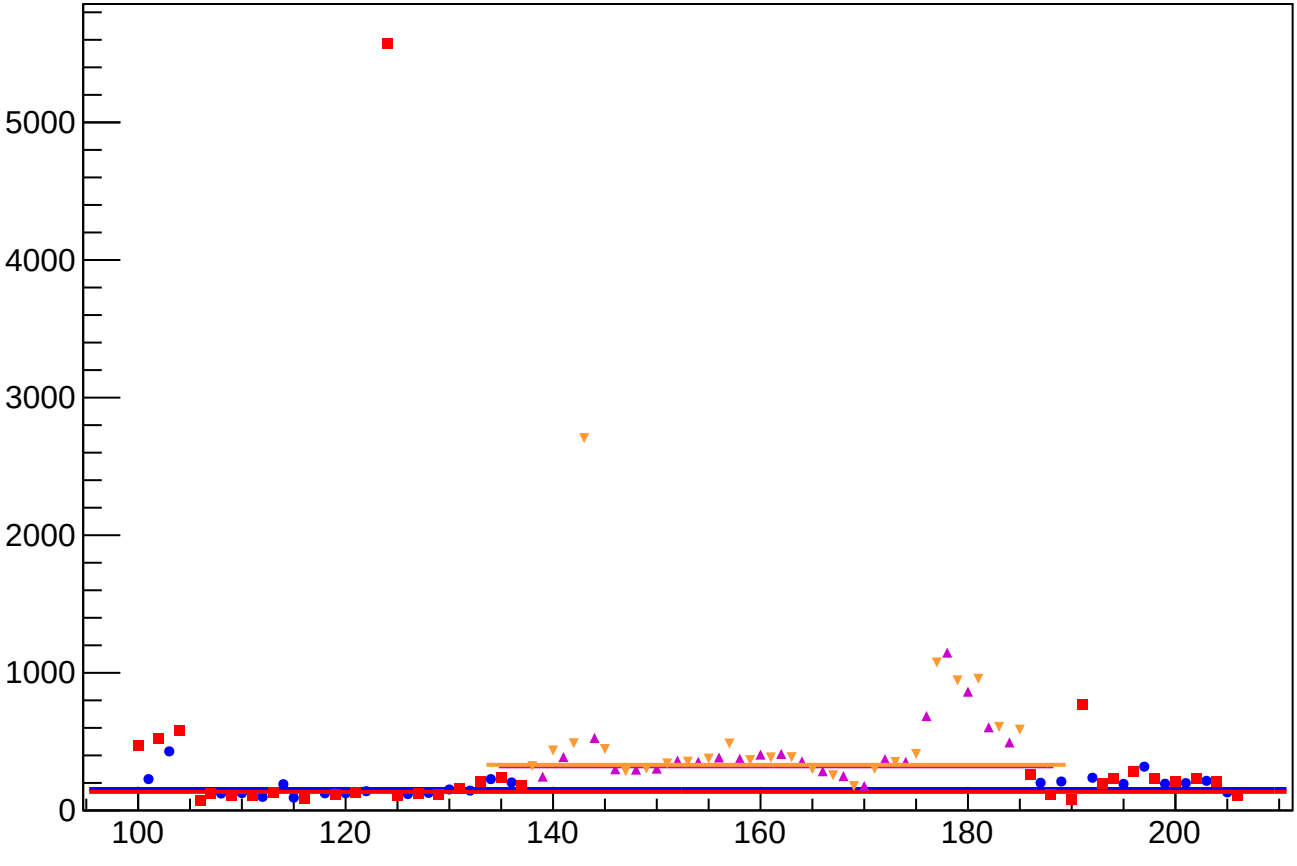
Right: -0.018+/-0.030 χ^2/NDF: 64.9/55

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.029+/-0.026 χ^2/NDF: 123.4/103

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

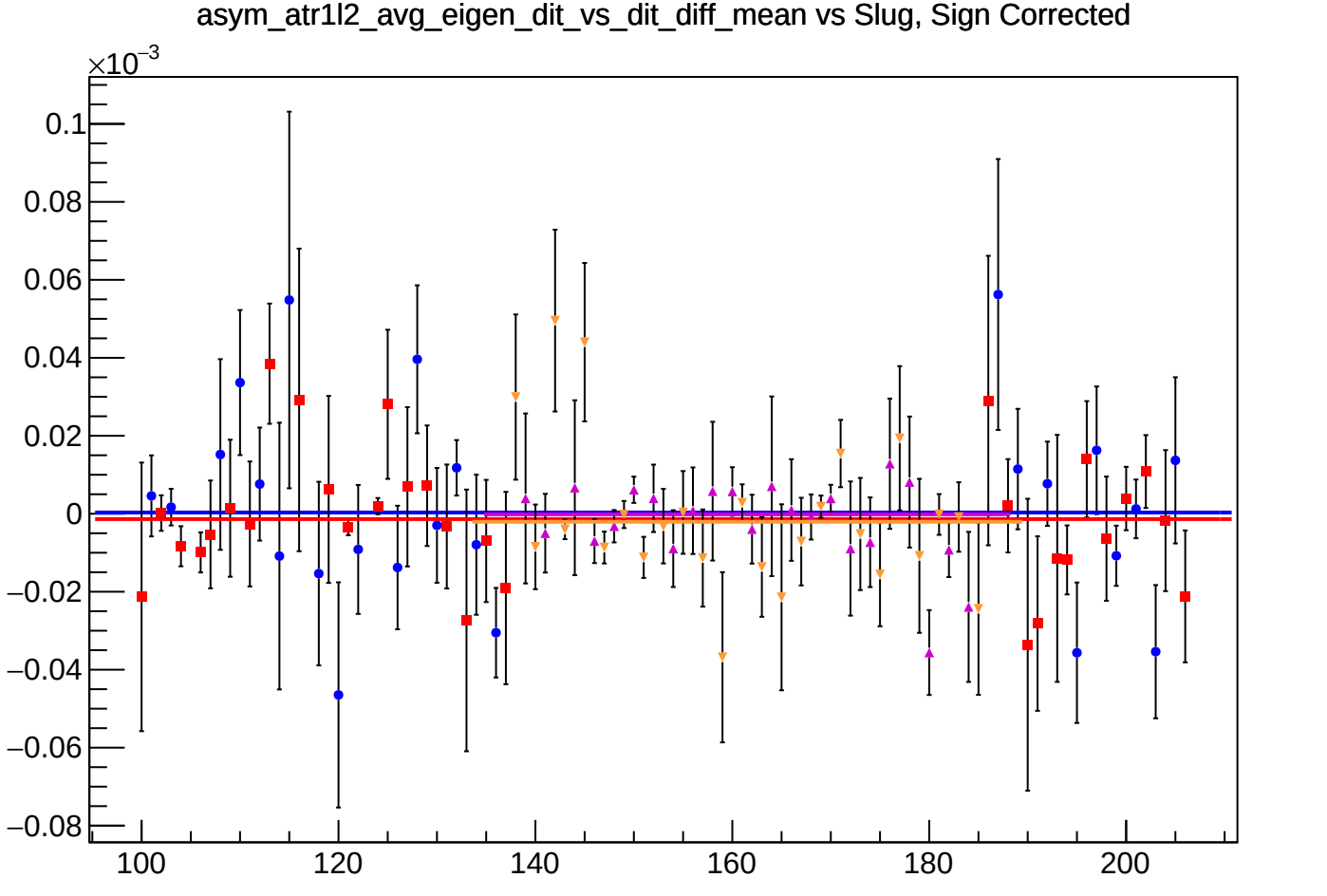
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

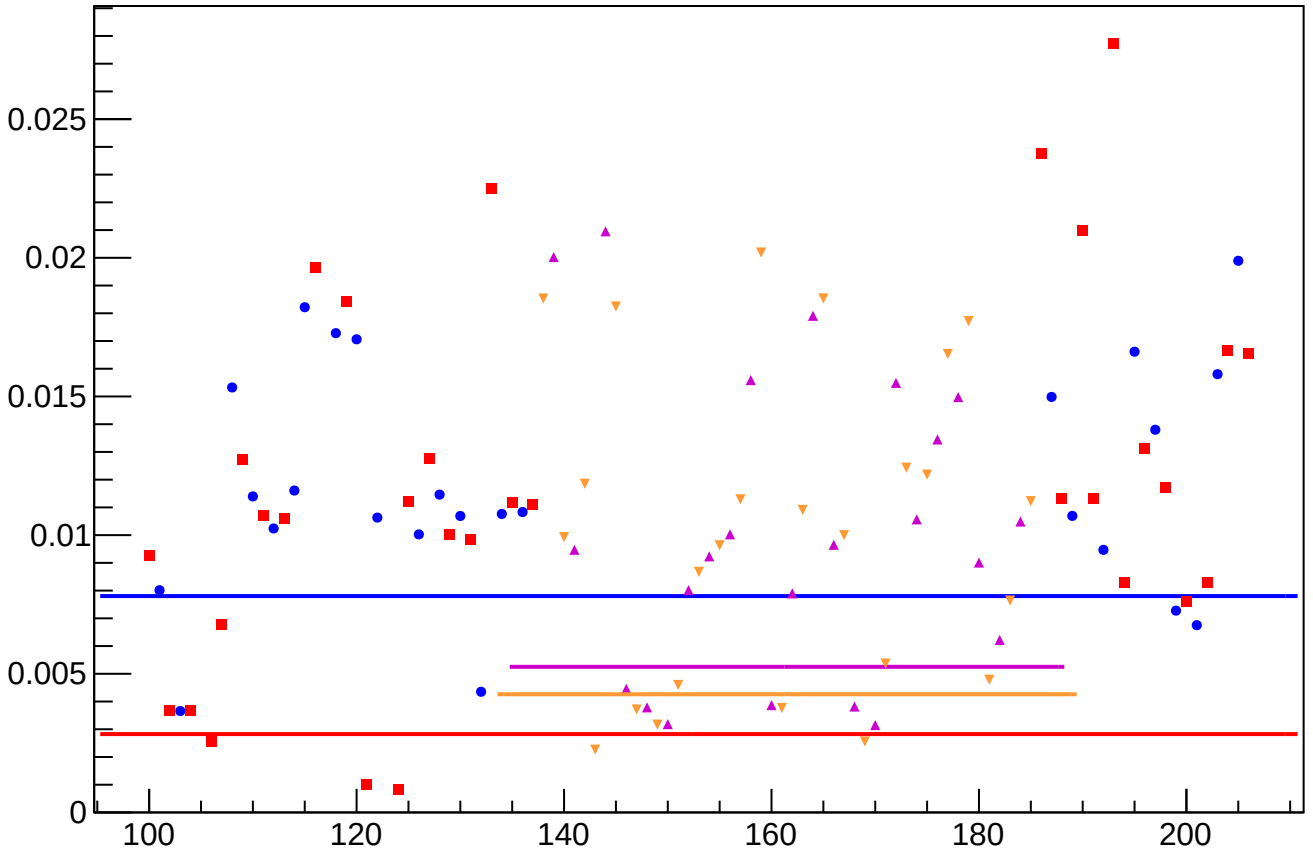
Right: 143.725+/-0.021 χ^2/NDF: 7669553.5/55

In: 195.505+/-0.028 χ^2/NDF:13049819.3/47

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 180.971+/-0.019 χ^2/NDF: 33356541.2/10


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.4/24
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.3/30
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 69.1/55
In: -0.000+/-0.000 χ²/NDF:64.3/47
Out: -0.000+/-0.000 χ²/NDF:64.3/55
All: -0.000+/-0.000 χ²/NDF: 129.8/103



Right In: 0.008+/-0.000 χ^2/NDF: 5518507.5/24

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19645072.4/30

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

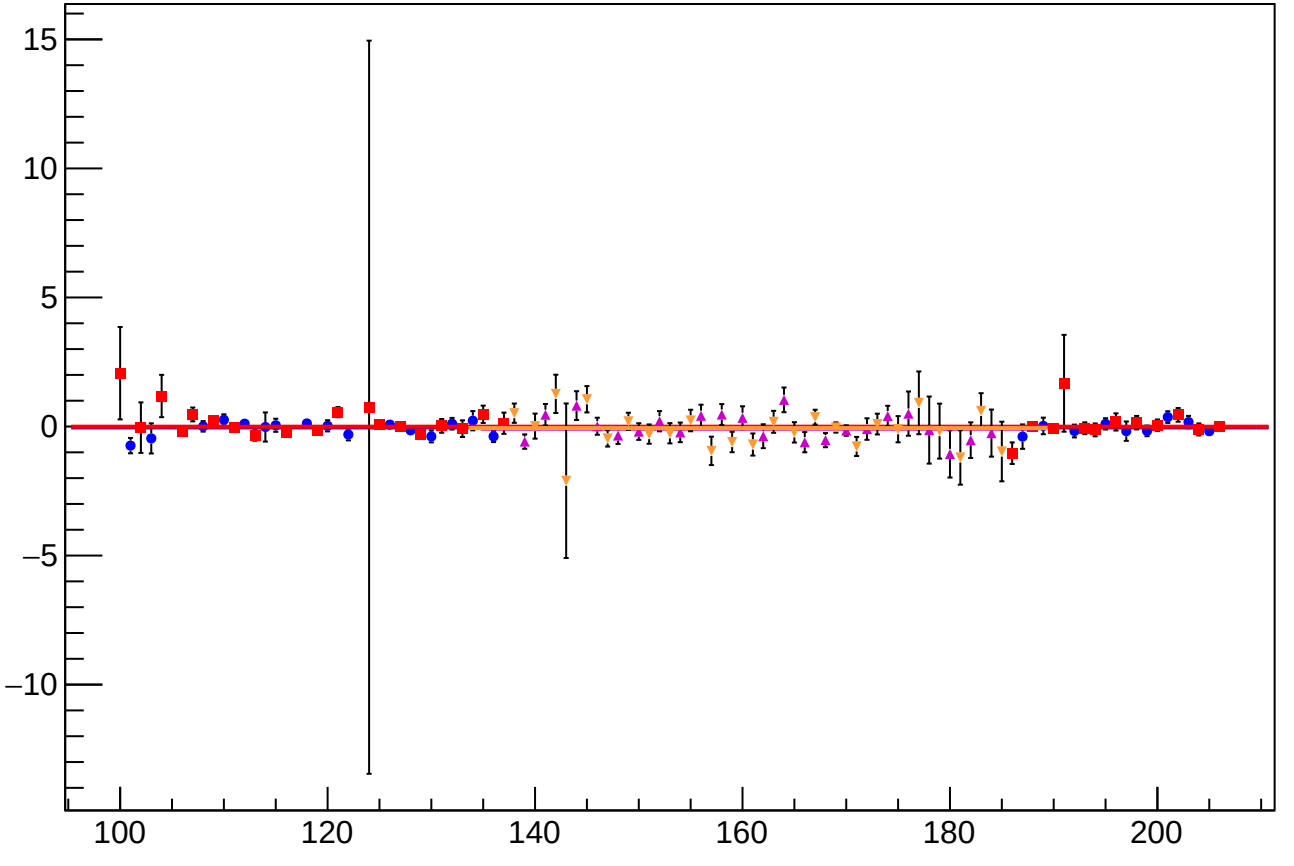
Right: 0.004+/-0.000 χ^2/NDF: 32063741.3/55

In: 0.006+/-0.000 χ^2/NDF:16665473.8/47

Out: 0.004+/-0.000 χ^2/NDF:33996238.2/55

All: 0.004+/-0.000 χ^2/NDF: 55755837.3/103

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

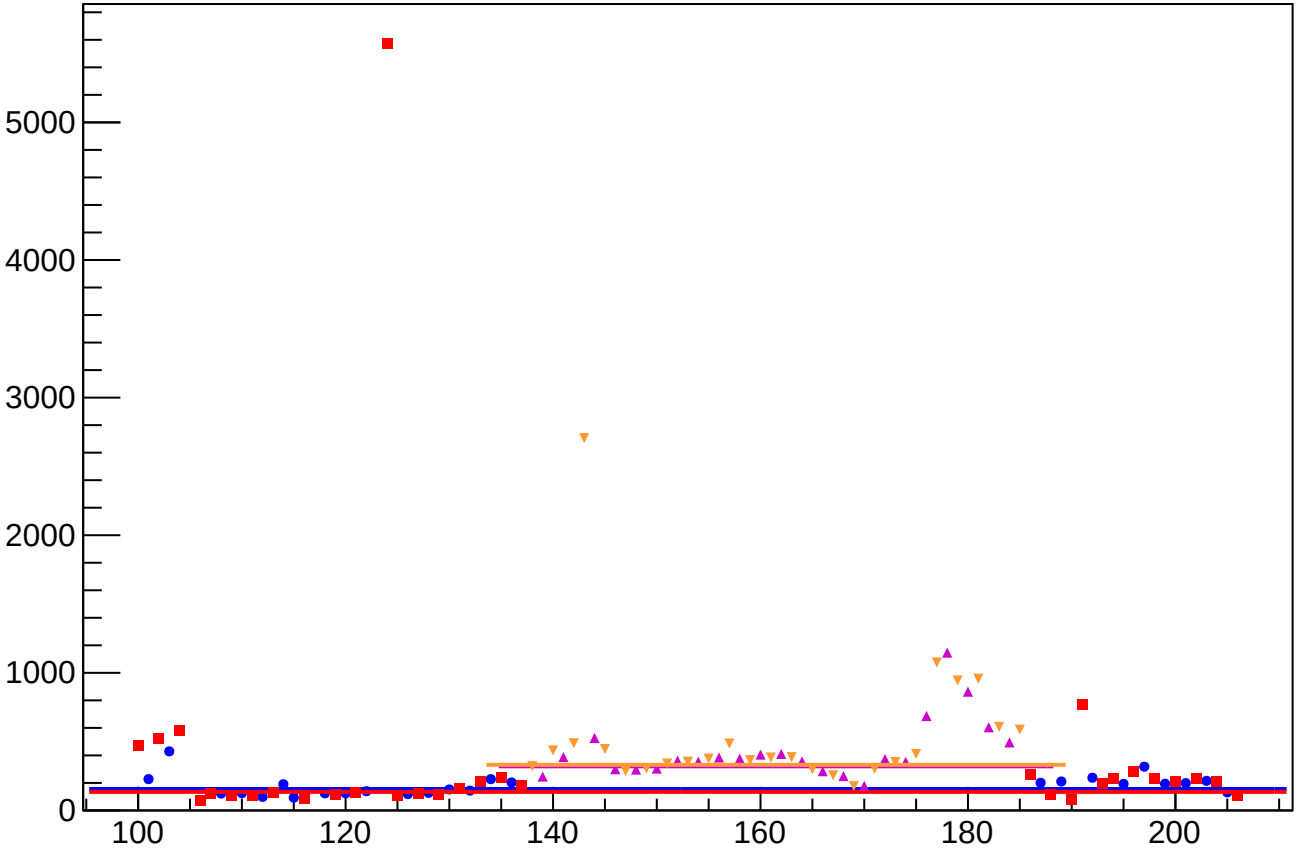
Right: -0.018+/-0.030 χ^2/NDF: 64.9/55

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.029+/-0.026 χ^2/NDF: 123.4/103

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

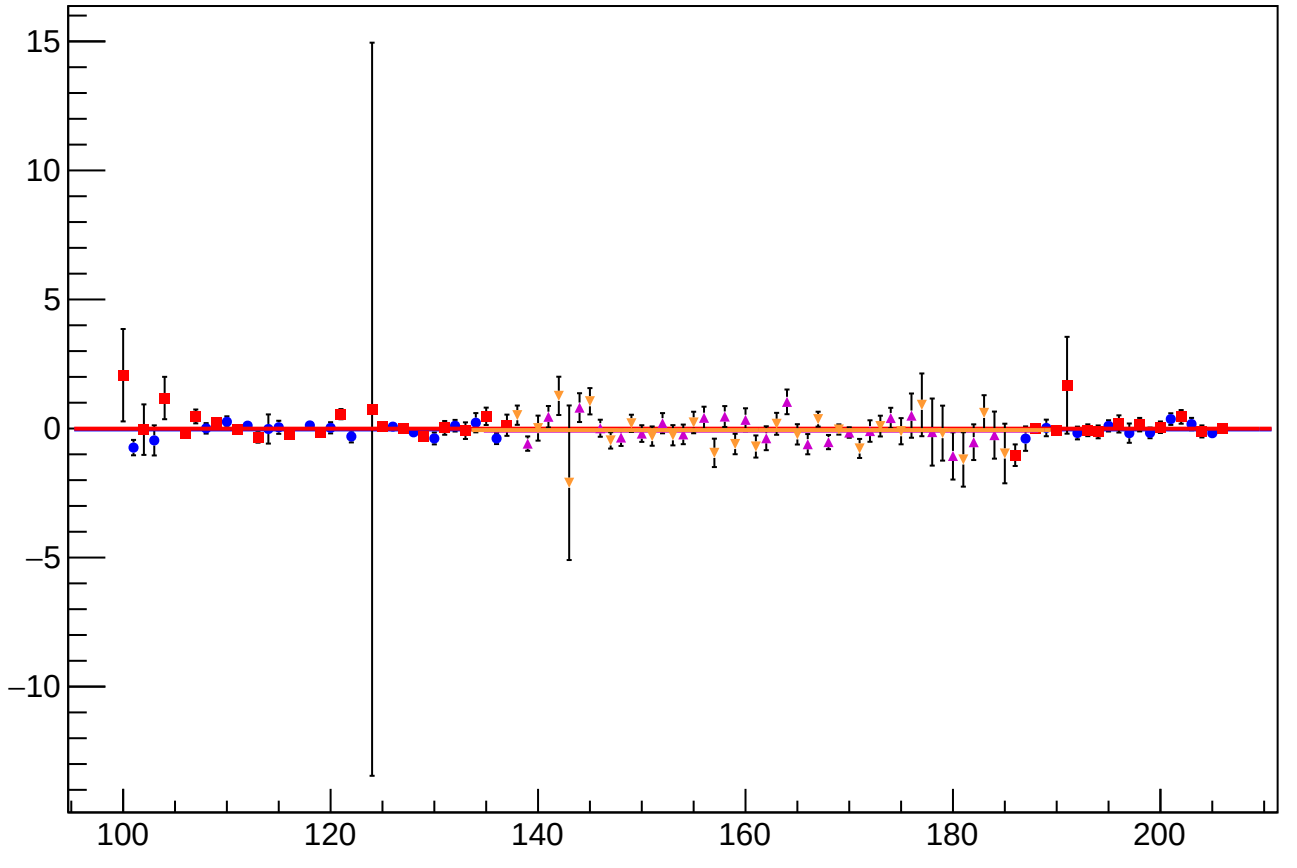
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 143.725+/-0.021 χ^2/NDF: 7669577.7/55

In: 195.506+/-0.028 χ^2/NDF:13049853.8/47

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 180.971+/-0.019 χ^2/NDF: 33356889.9/10



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

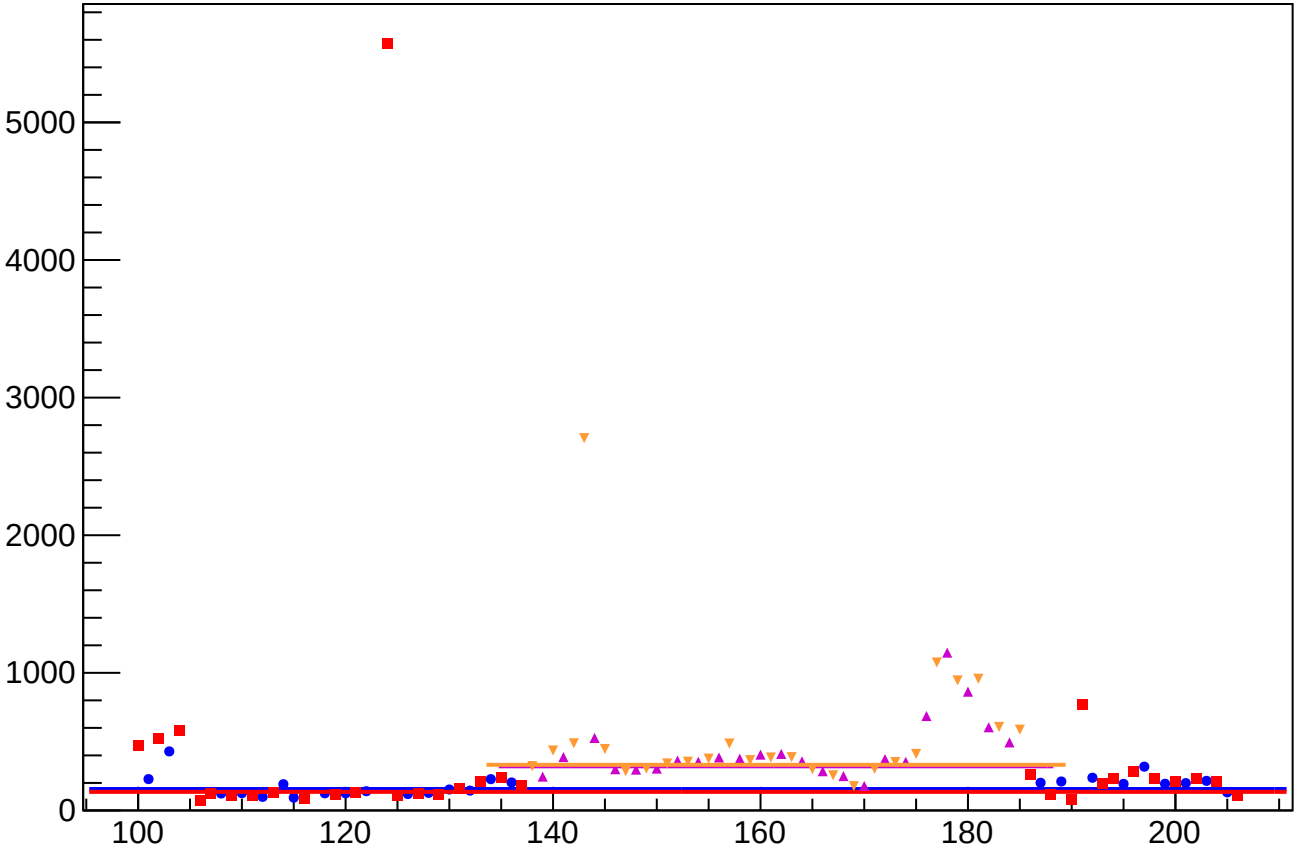
Right: -0.018+/-0.030 χ^2/NDF: 64.9/55

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.029+/-0.026 χ^2/NDF: 123.4/103

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

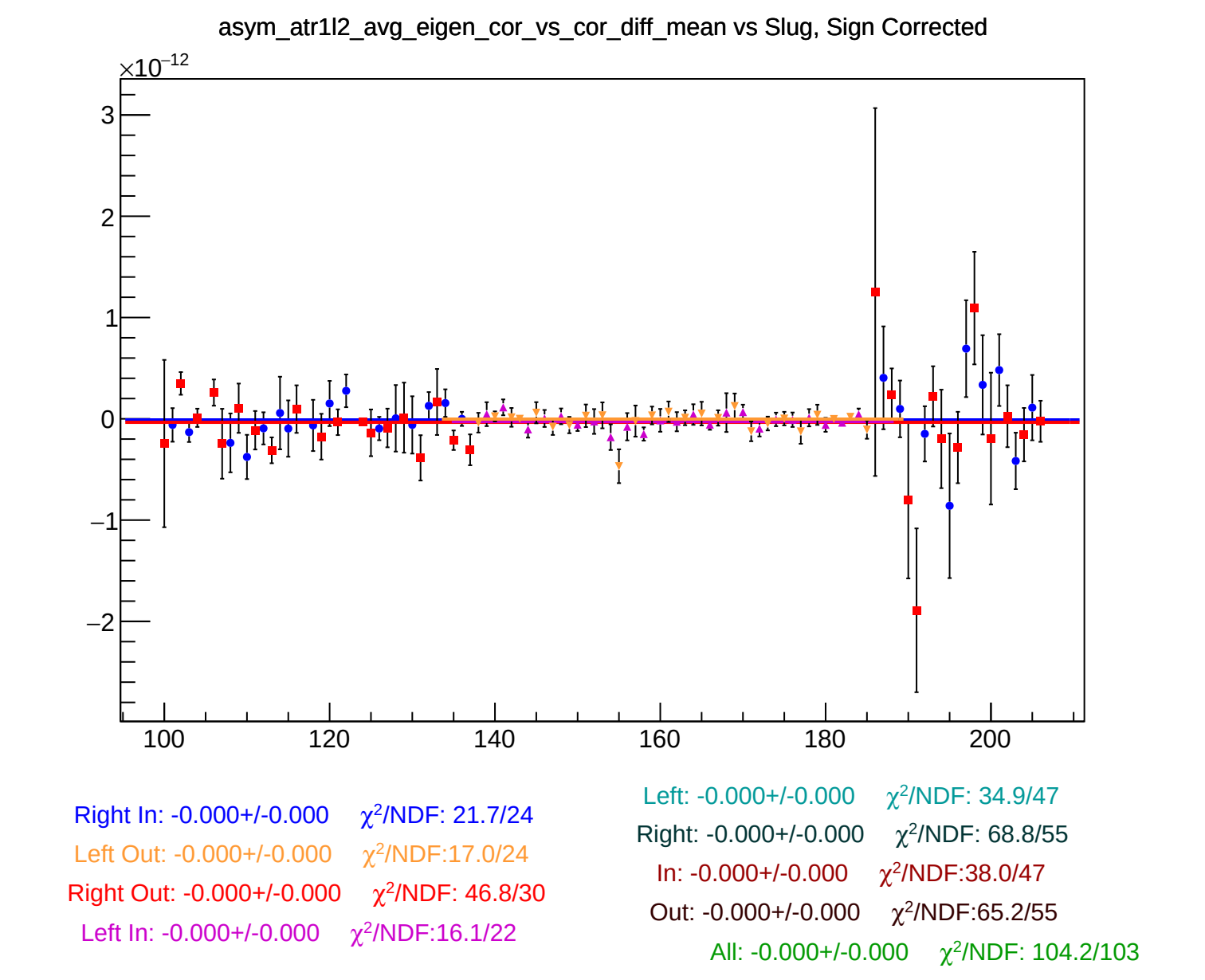
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 143.725+/-0.021 χ^2/NDF: 7669577.7/55

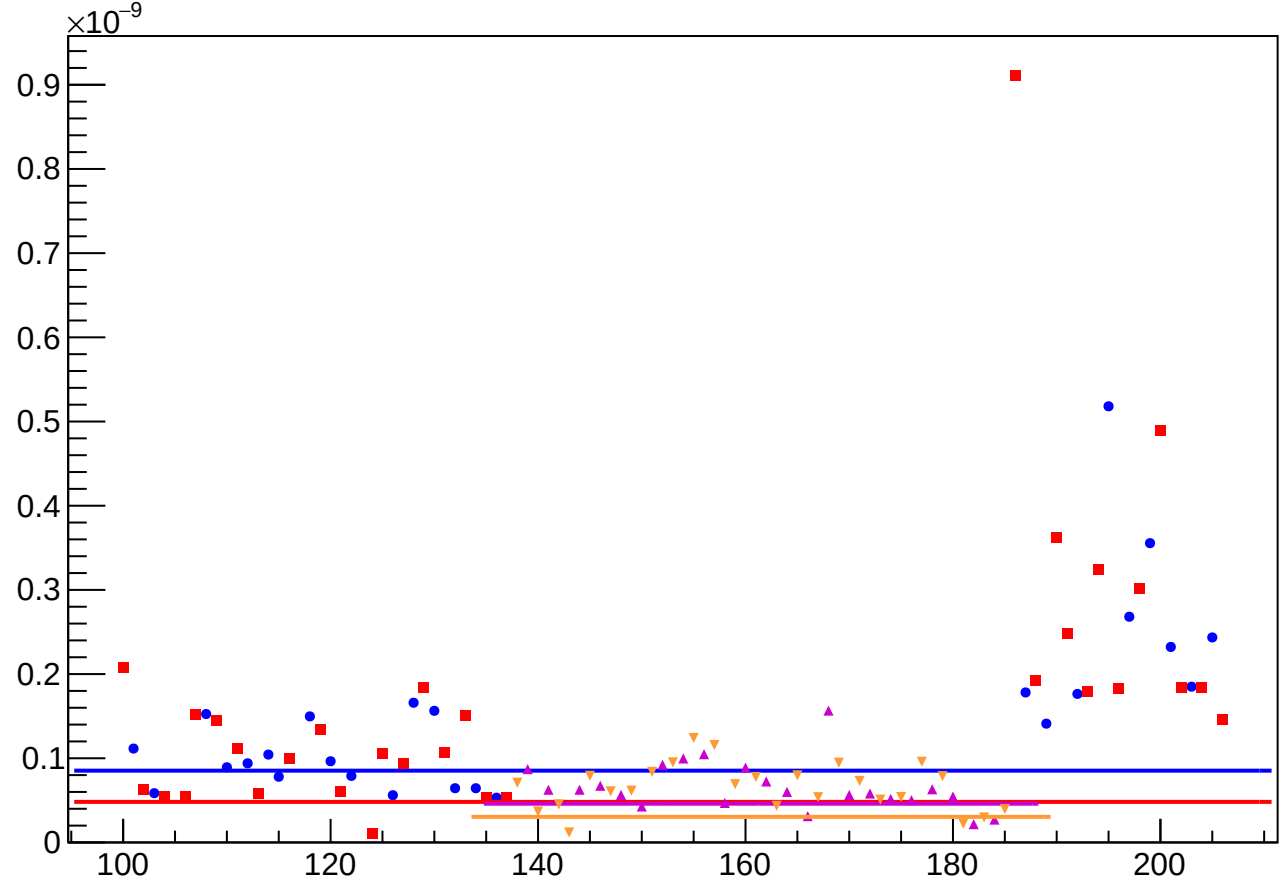
In: 195.506+/-0.028 χ^2/NDF:13049853.8/47

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 180.971+/-0.019 χ^2/NDF: 33356889.9/10


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.7/24
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.8/30
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 68.8/55
In: -0.000+/-0.000 χ²/NDF:38.0/47
Out: -0.000+/-0.000 χ²/NDF:65.2/55
All: -0.000+/-0.000 χ²/NDF: 104.2/103

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4442149.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10133807.3/30

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

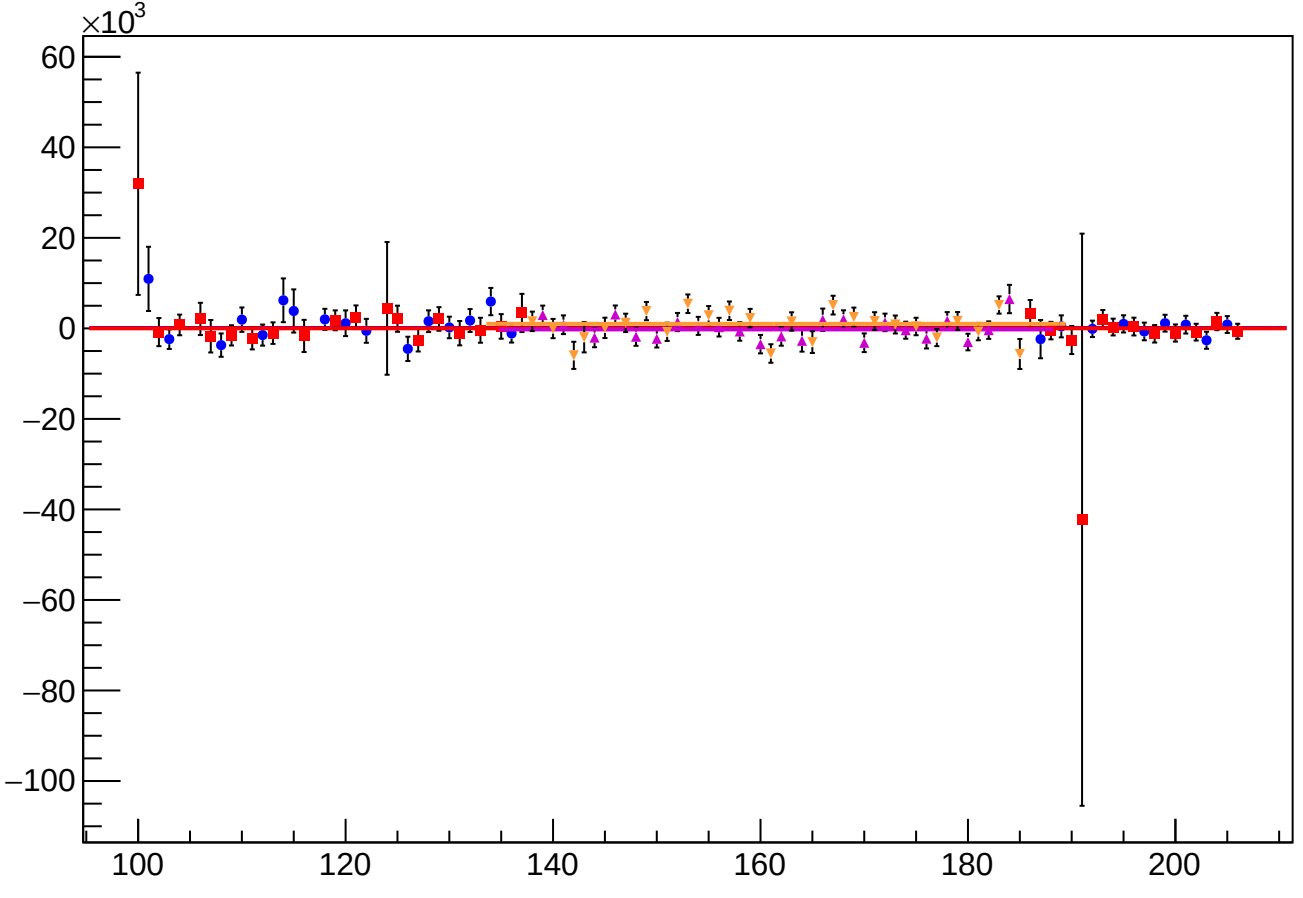
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16046599.2/55

In: 0.000+/-0.000 χ^2/NDF:11437512.6/47

Out: 0.000+/-0.000 χ^2/NDF:21524814.1/55

All: 0.000+/-0.000 χ^2/NDF: 35387927.2/103



Right In: 89.564+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.279+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

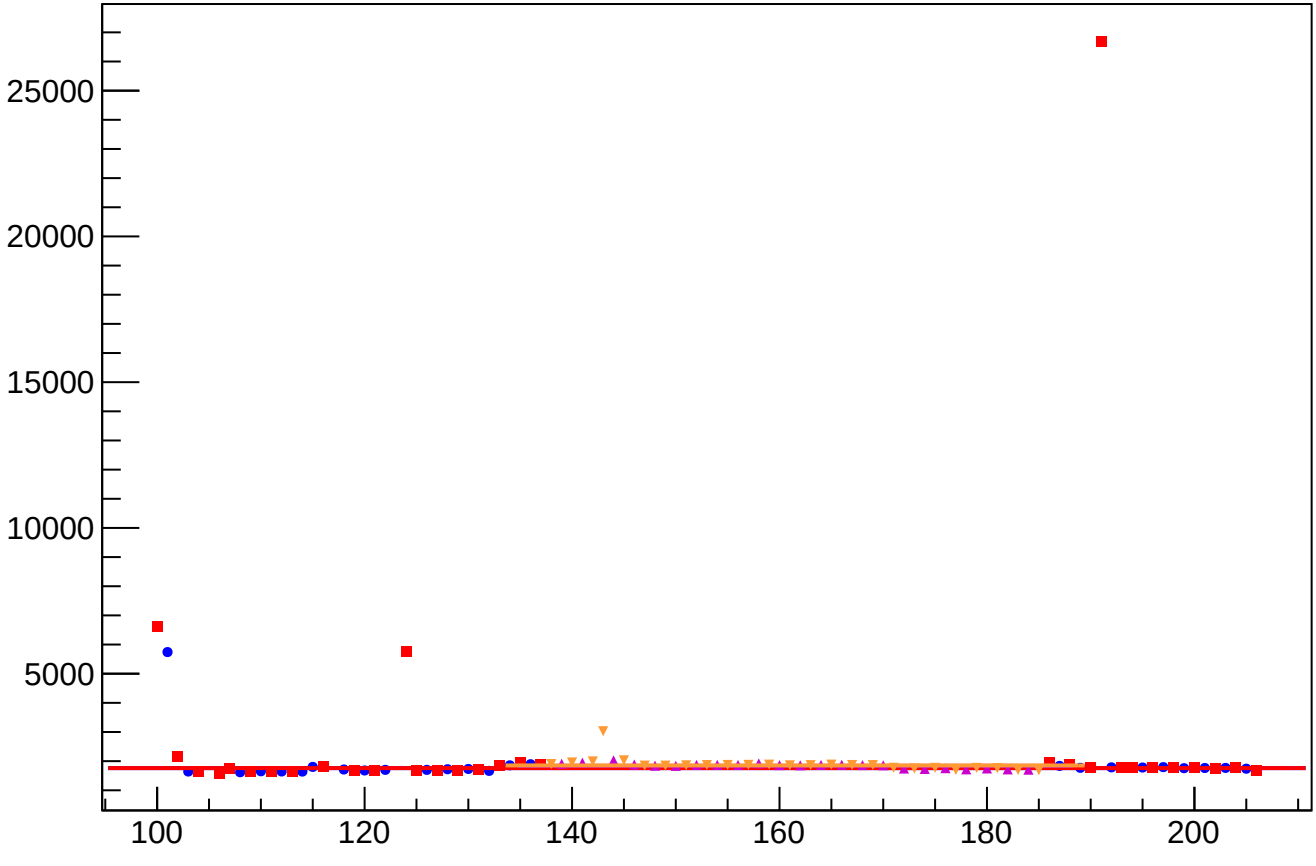
Right: 50.966+/-324.254 χ^2/NDF: 35.2/55

In: -85.801+/-318.653 χ^2/NDF:47.7/47

Out: 534.807+/-306.016 χ^2/NDF:64.0/55

All: 237.052+/-220.718 χ^2/NDF: 113.7/103

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.042+/-0.336 χ^2/NDF: 672330.2/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.751+/-0.313 χ^2/NDF: 644693.7/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

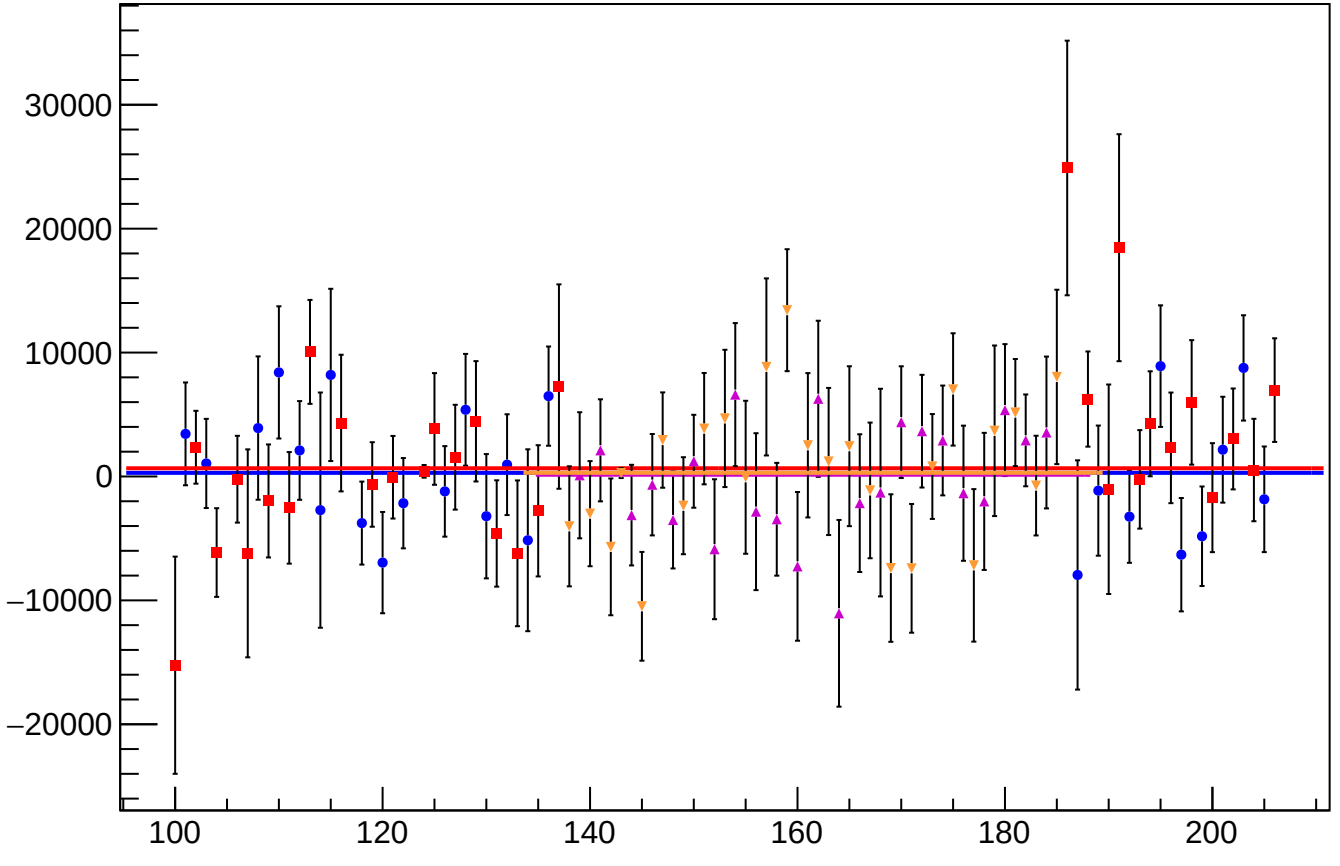
Right: 1761.421+/-0.229 χ^2/NDF: 1317026.2/55

In: 1803.654+/-0.225 χ^2/NDF:770078.8/47

Out: 1809.204+/-0.216 χ^2/NDF:1009787.8/55

All: 1806.546+/-0.156 χ^2/NDF: 1780182.8/10

asym_atr1l2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 291.126+/-890.461 χ^2/NDF: 27.8/24

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 662.290+/-434.043 χ^2/NDF: 36.2/30

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

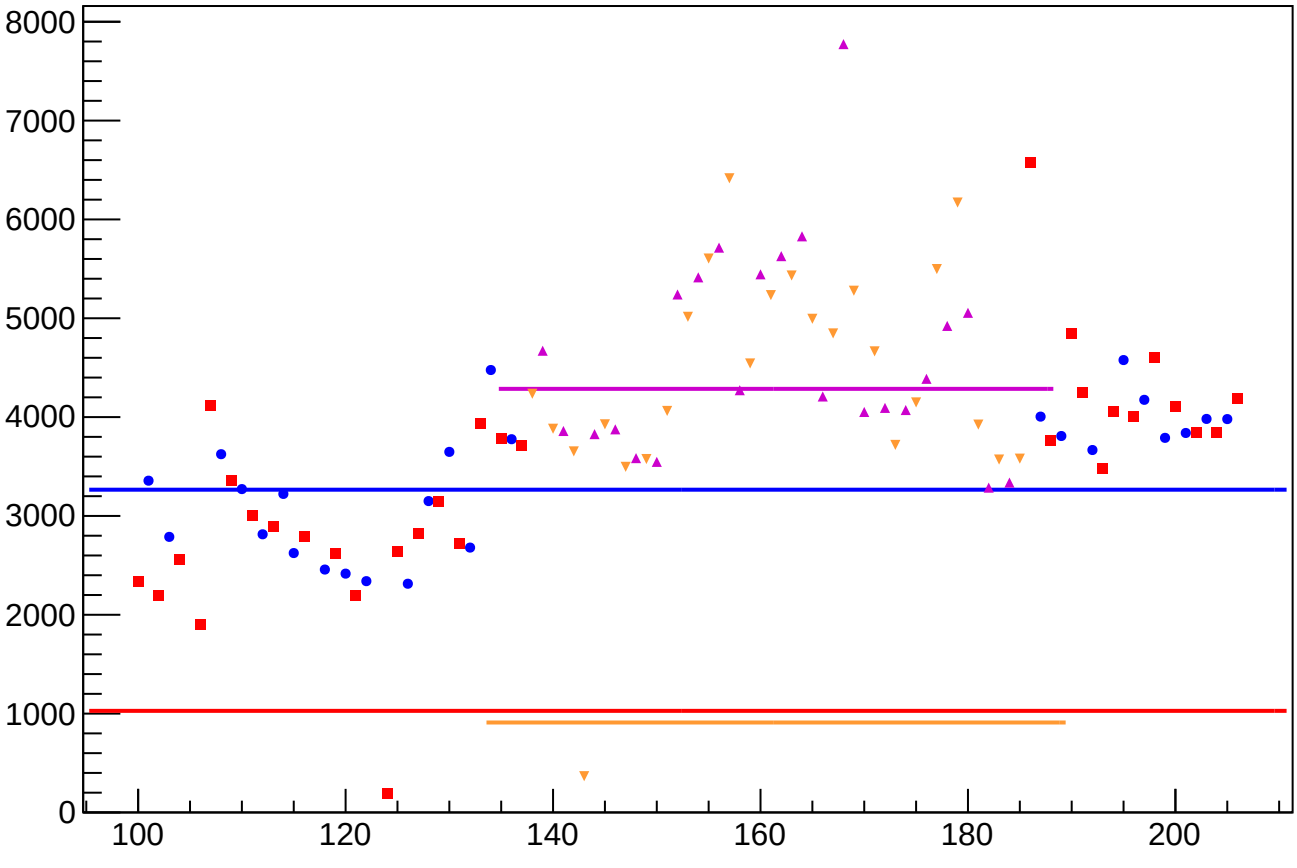
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 591.033+/-390.161 χ^2/NDF: 64.2/55

In: 225.266+/-671.639 χ^2/NDF:41.8/47

Out: 453.995+/-285.877 χ^2/NDF:66.6/55

All: 418.912+/-263.040 χ^2/NDF: 108.5/103



Right In: 3265.524+/-0.630 χ^2/NDF: 1157771.1/24

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1027.941+/-0.307 χ^2/NDF: 21196240.1/30

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

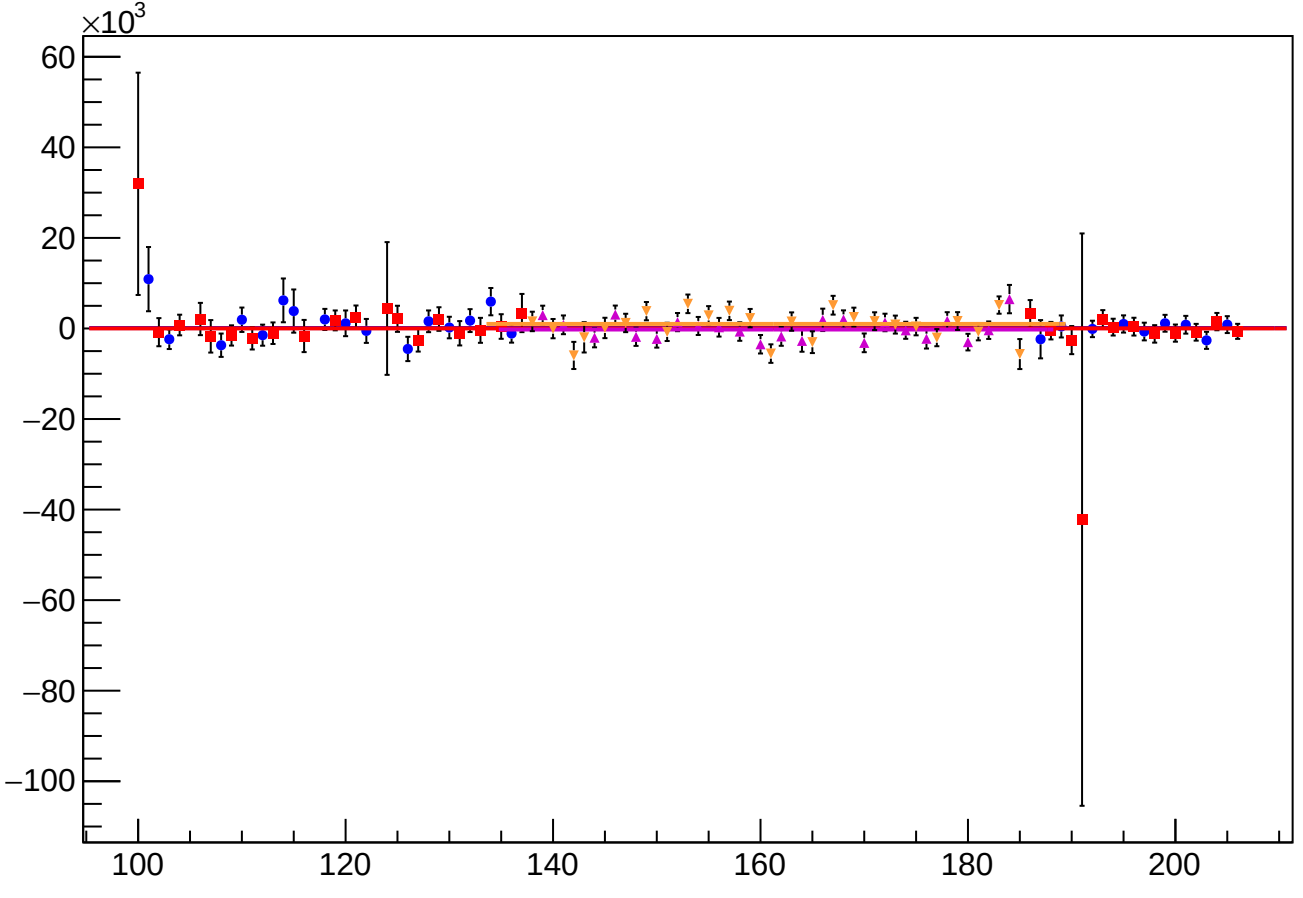
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1457.514+/-0.276 χ^2/NDF: 32558230.9/55

In: 3705.373+/-0.475 χ^2/NDF:3617695.8/47

Out: 961.239+/-0.202 χ^2/NDF:48053783.5/55

All: 1382.139+/-0.186 χ^2/NDF: 79936931.3/1



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.268+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

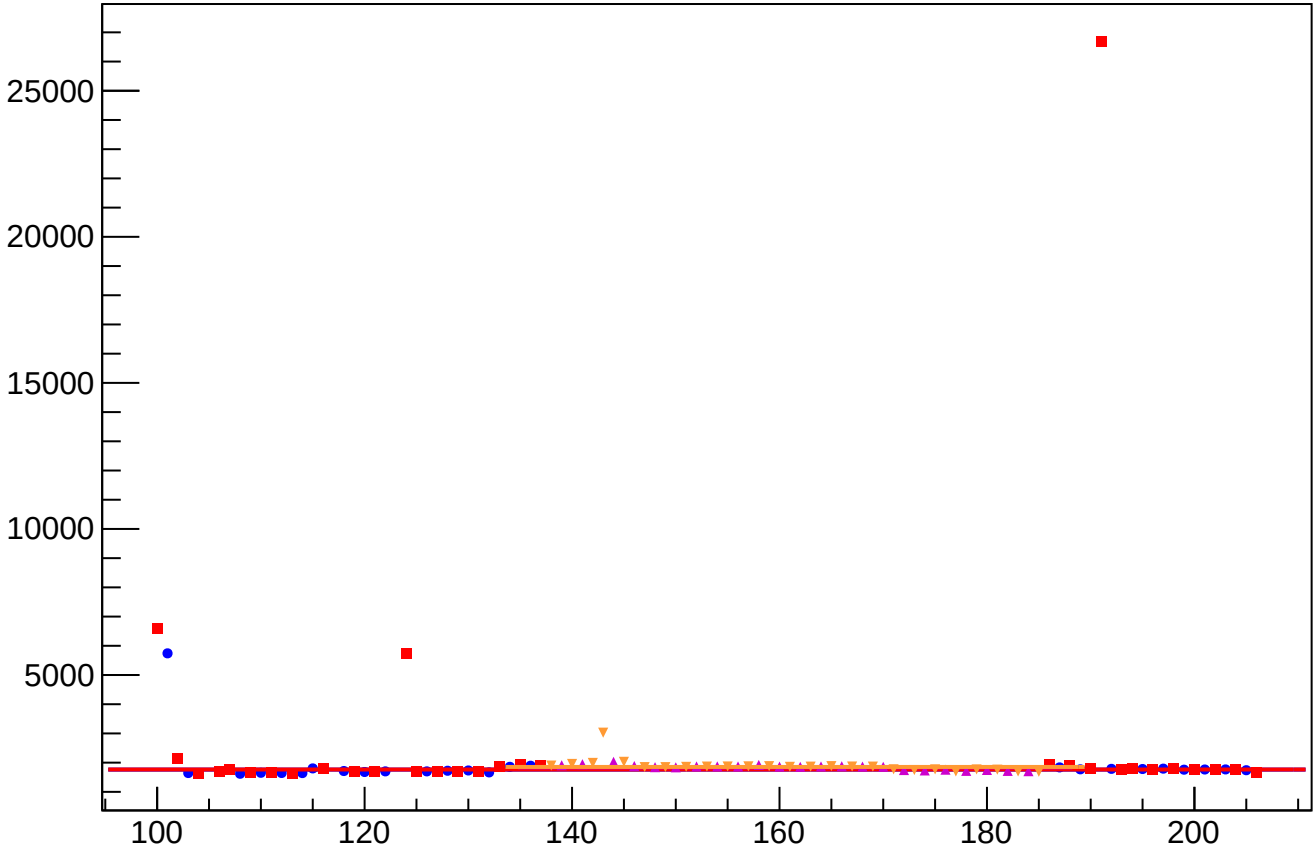
Right: 50.889+/-324.254 χ^2/NDF: 35.2/55

In: -85.823+/-318.653 χ^2/NDF:47.7/47

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 237.028+/-220.718 χ^2/NDF: 113.7/103

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

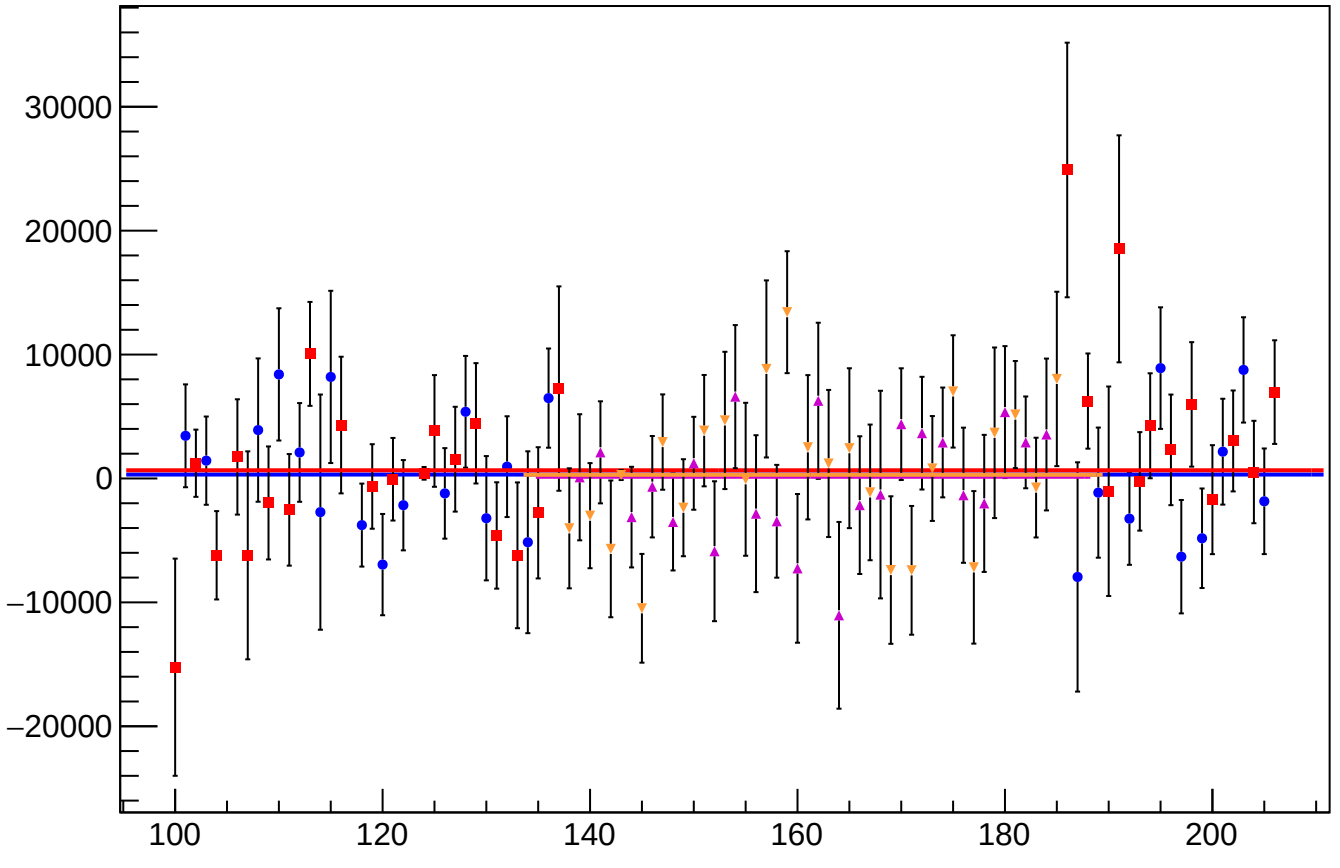
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.111+/-0.229 χ^2/NDF: 1309209.4/55

In: 1803.654+/-0.225 χ^2/NDF:770079.2/47

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1807.367+/-0.156 χ^2/NDF: 1769417.4/10



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 661.480+/-434.822 χ^2/NDF: 36.0/30

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

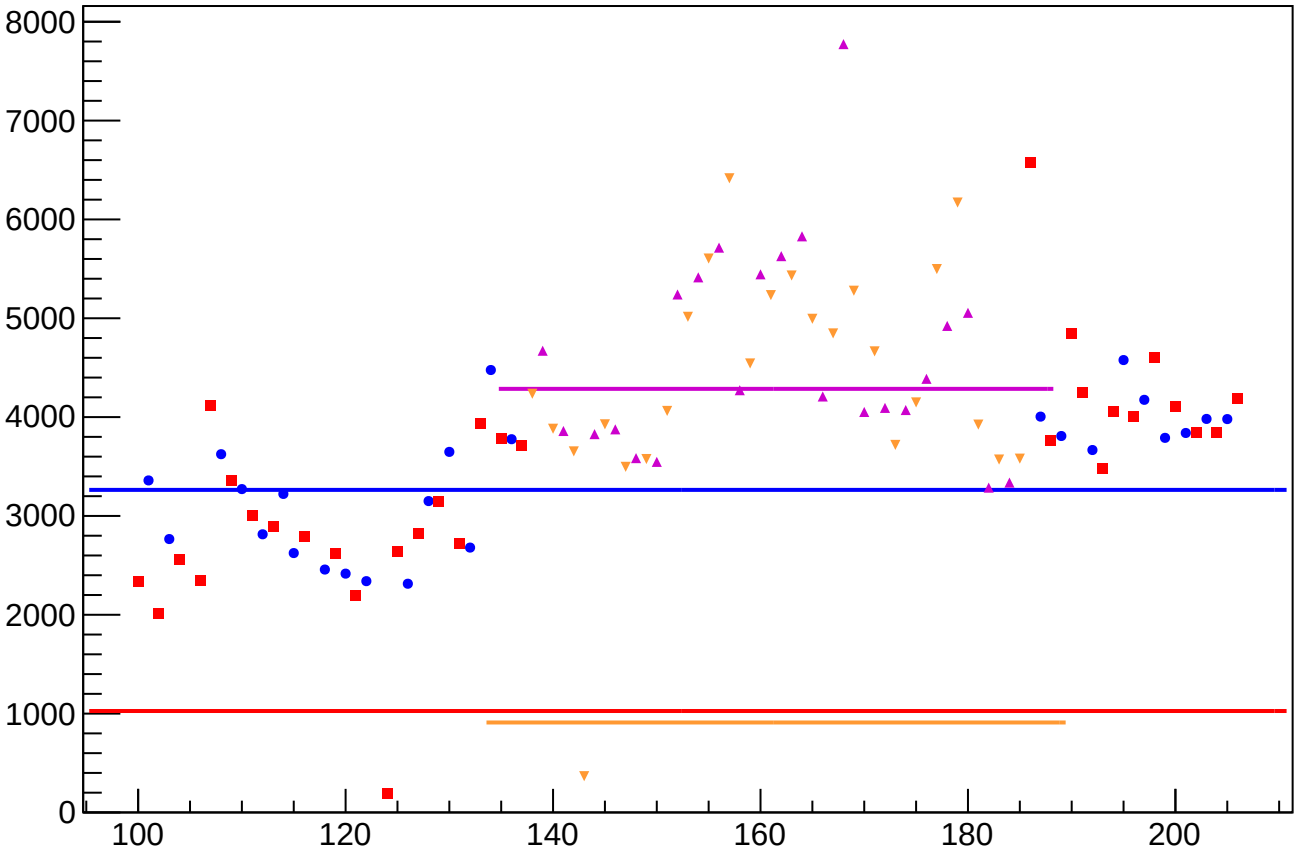
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 594.947+/-390.680 χ^2/NDF: 64.0/55

In: 239.585+/-671.403 χ^2/NDF:41.8/47

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 420.917+/-263.209 χ^2/NDF: 108.3/103



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

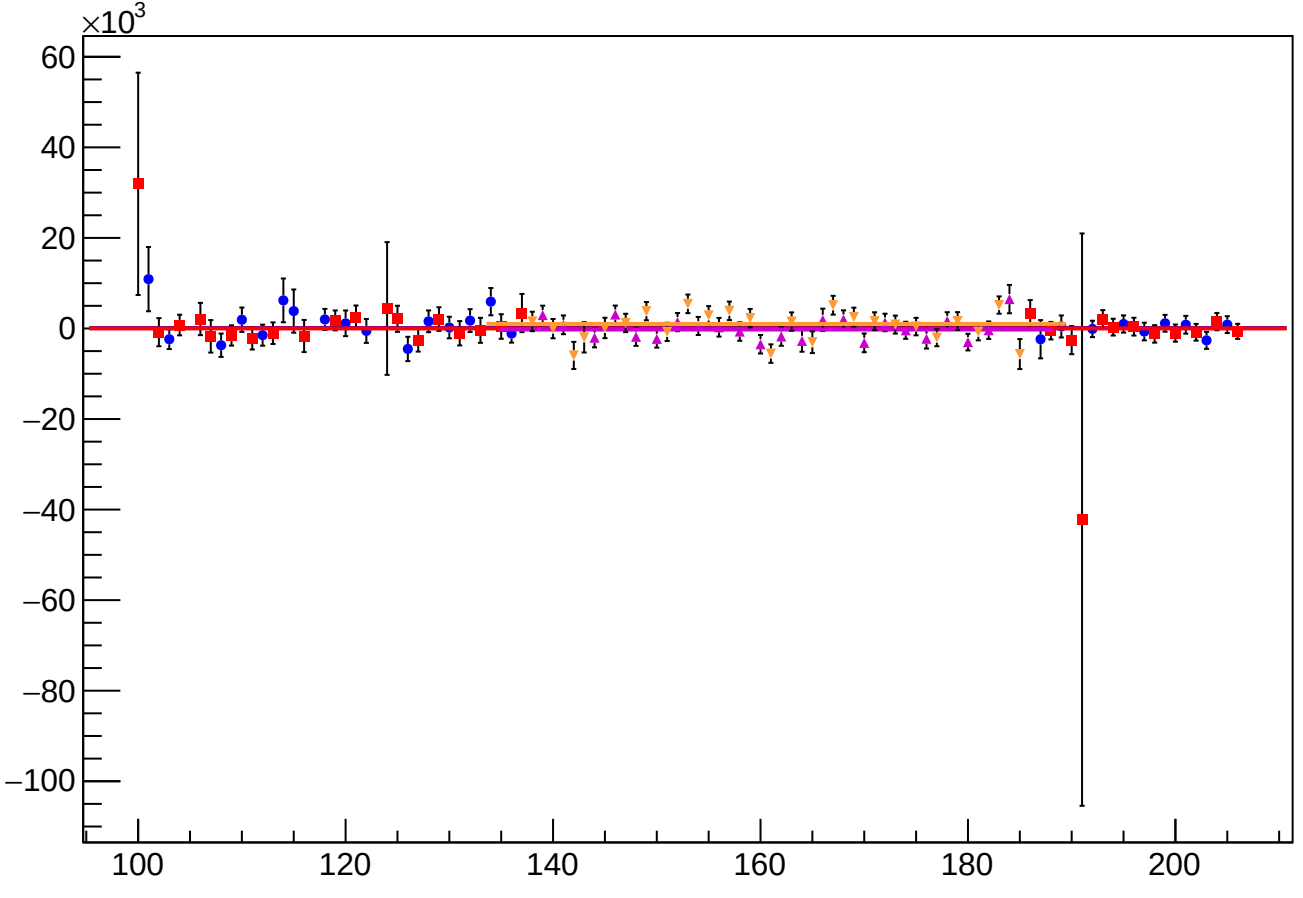
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1457.589+/-0.276 χ^2/NDF: 32534697.9/55

In: 3703.988+/-0.475 χ^2/NDF:3626668.9/47

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1382.173+/-0.186 χ^2/NDF: 79910139.4/1



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.268+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

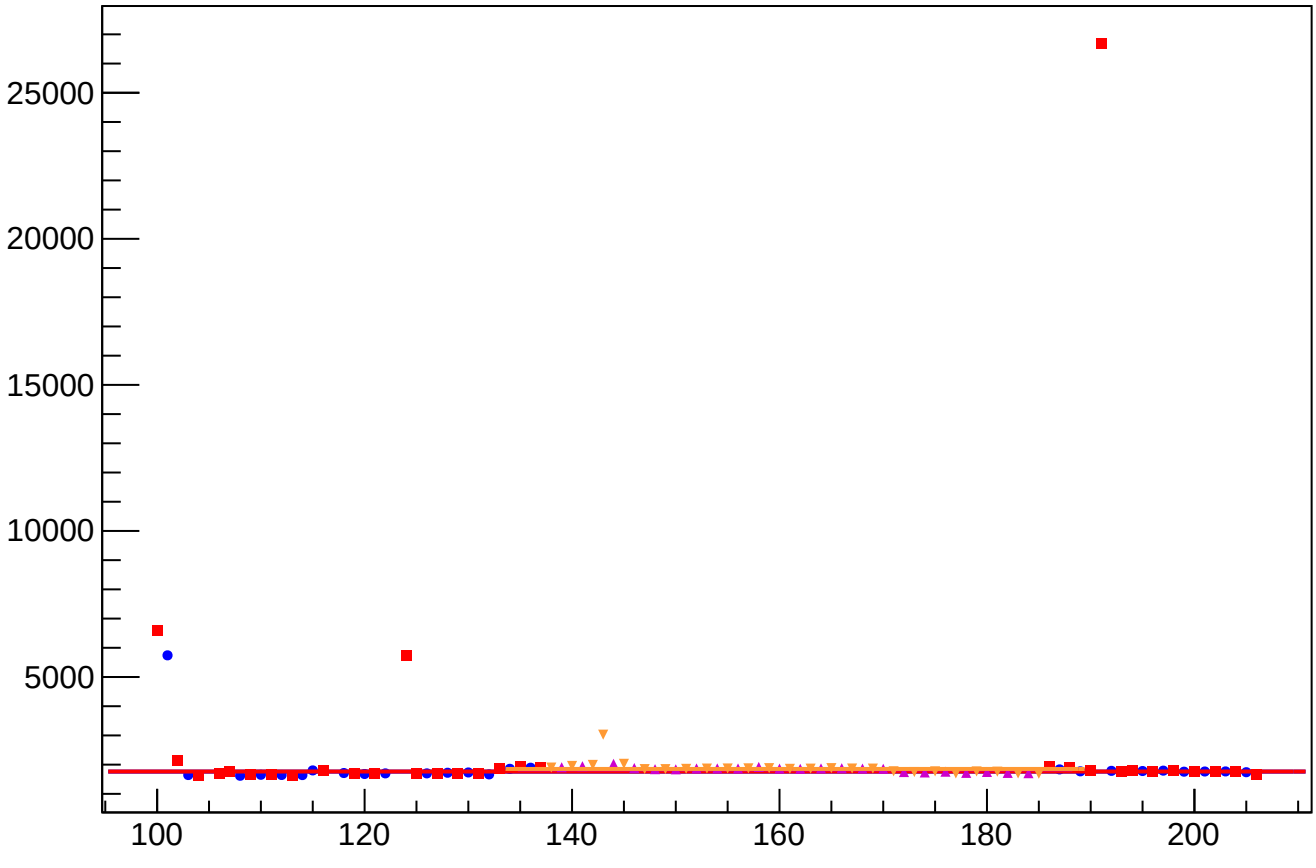
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 50.889+/-324.254 χ^2/NDF: 35.2/55

In: -85.823+/-318.653 χ^2/NDF:47.7/47

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 237.028+/-220.718 χ^2/NDF: 113.7/103



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

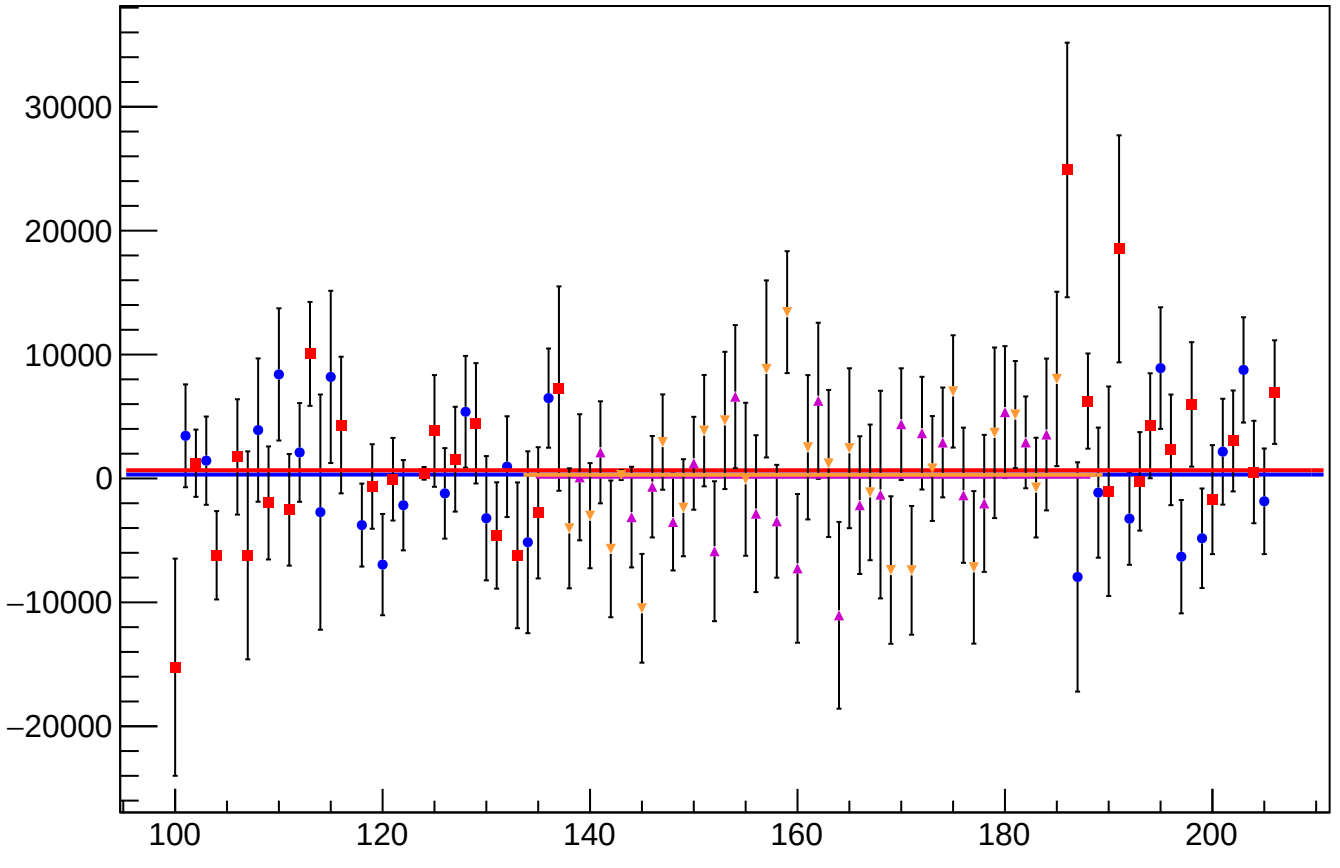
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.111+/-0.229 χ^2/NDF: 1309209.4/55

In: 1803.654+/-0.225 χ^2/NDF:770079.2/47

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1807.367+/-0.156 χ^2/NDF: 1769417.4/10



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 661.480+/-434.822 χ^2/NDF: 36.0/30

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

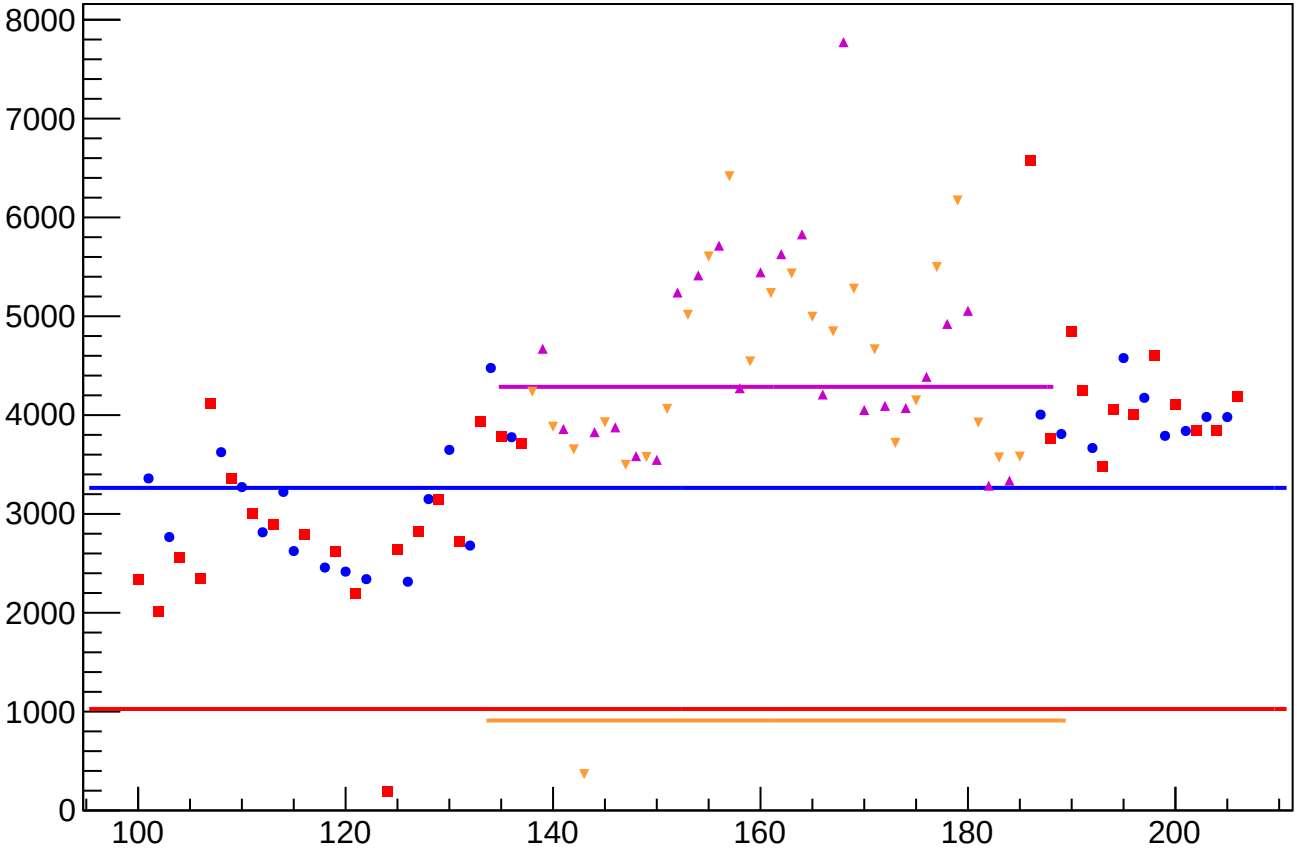
Right: 594.947+/-390.680 χ^2/NDF: 64.0/55

In: 239.585+/-671.403 χ^2/NDF:41.8/47

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 420.917+/-263.209 χ^2/NDF: 108.3/103

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

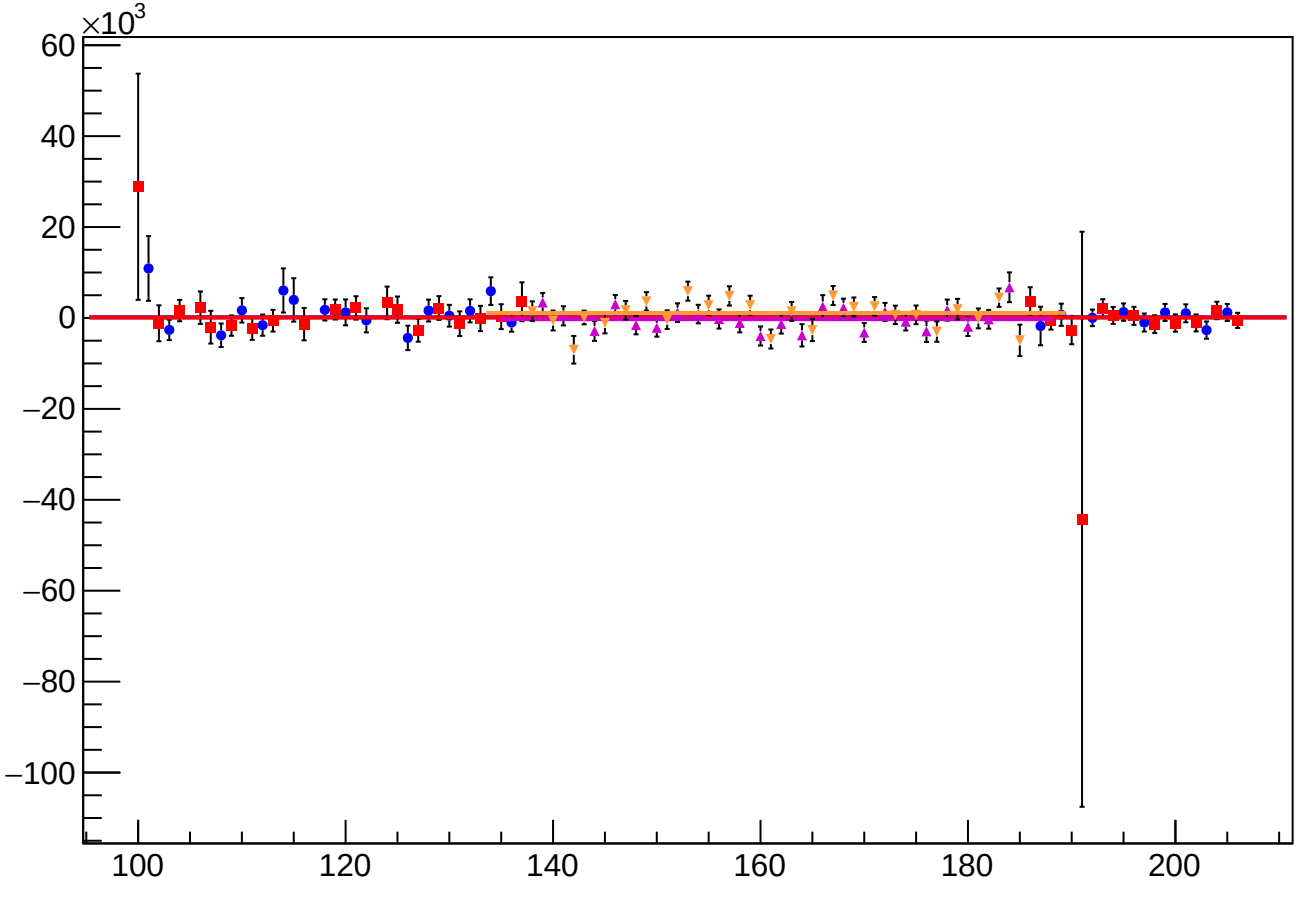
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1457.589+/-0.276 χ^2/NDF: 32534697.9/55

In: 3703.988+/-0.475 χ^2/NDF:3626668.9/47

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1382.173+/-0.186 χ^2/NDF: 79910139.4/



Right In: 144.722+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 99.798+/-445.014 χ^2/NDF: 15.8/30

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

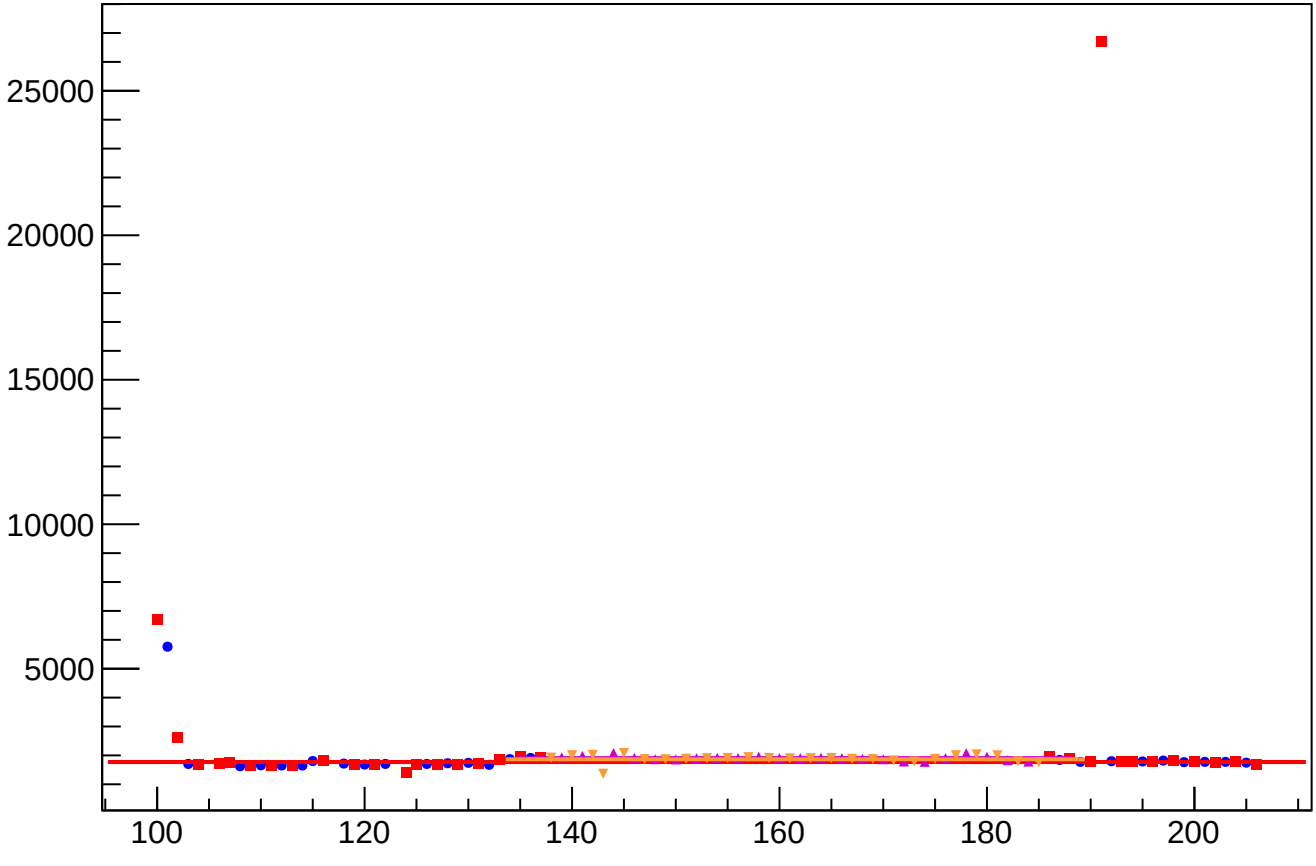
Right: 120.652+/-325.740 χ^2/NDF: 37.1/55

In: -74.438+/-325.873 χ^2/NDF:49.4/47

Out: 624.249+/-307.473 χ^2/NDF:63.3/55

All: 295.186+/-223.638 χ^2/NDF: 115.1/103

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

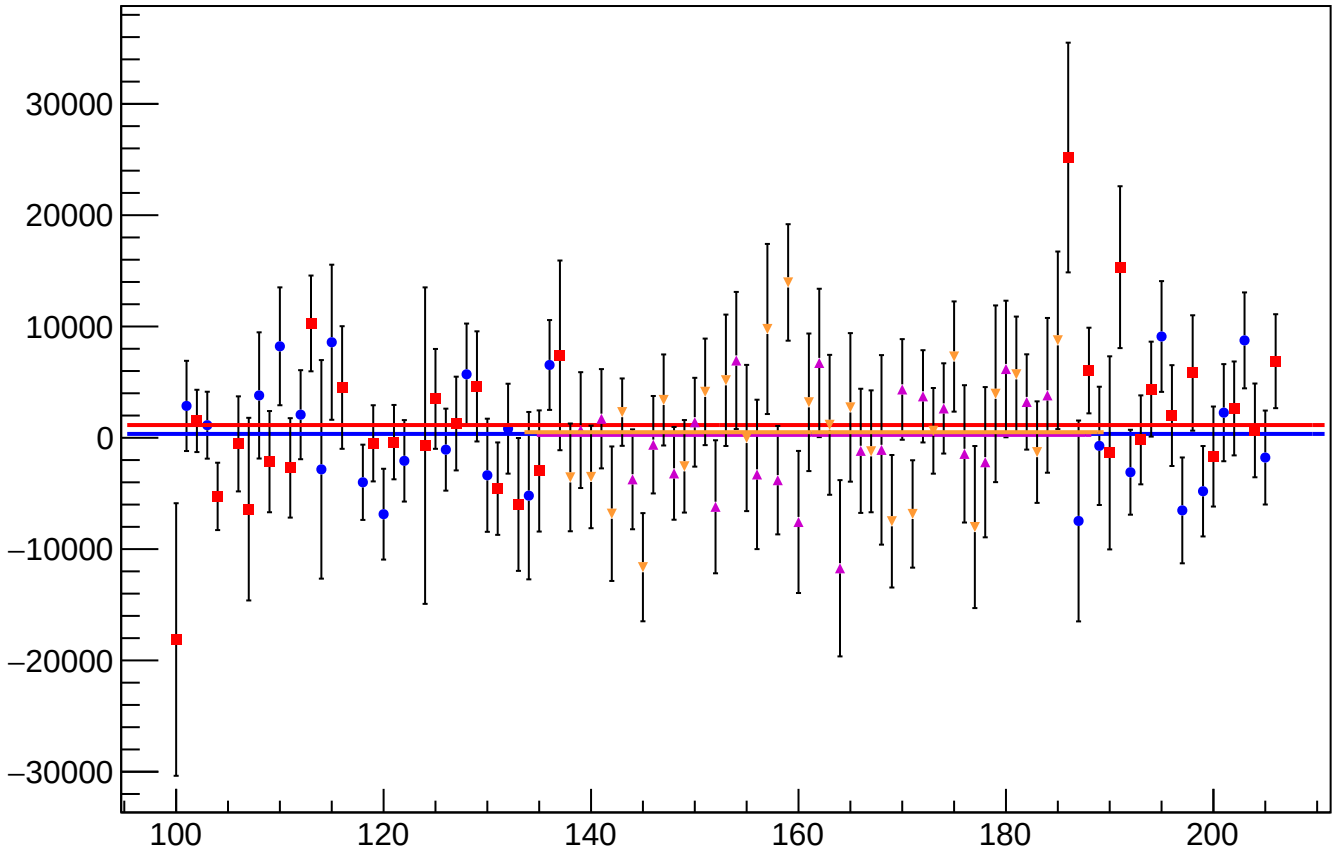
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1771.190+/-0.230 χ^2/NDF: 1239592.6/55

In: 1843.815+/-0.230 χ^2/NDF:806642.1/47

Out: 1819.496+/-0.217 χ^2/NDF:910892.2/55

All: 1830.942+/-0.158 χ^2/NDF: 1723430.4/10



Right In: 348.866+/-884.157 χ^2/NDF: 27.6/24

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 1146.343+/-819.187 χ^2/NDF: 34.6/30

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

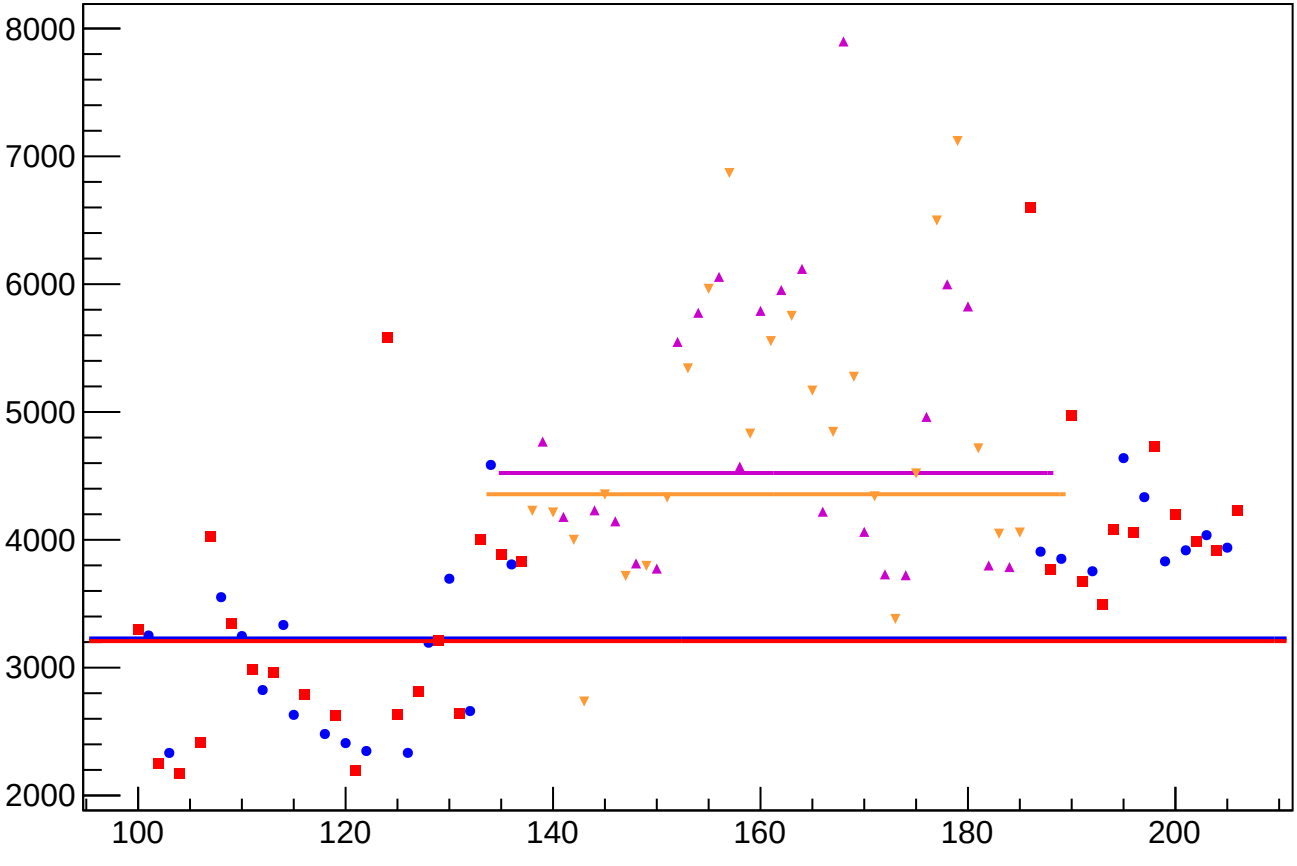
Right: 777.978+/-600.910 χ^2/NDF: 62.6/55

In: 313.683+/-684.494 χ^2/NDF:41.2/47

Out: 895.087+/-639.116 χ^2/NDF:64.9/55

All: 624.294+/-467.142 χ^2/NDF: 106.5/103

asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3228.452+/-0.625 χ^2/NDF: 1361204.6/24

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3207.735+/-0.579 χ^2/NDF: 2071805.0/30

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

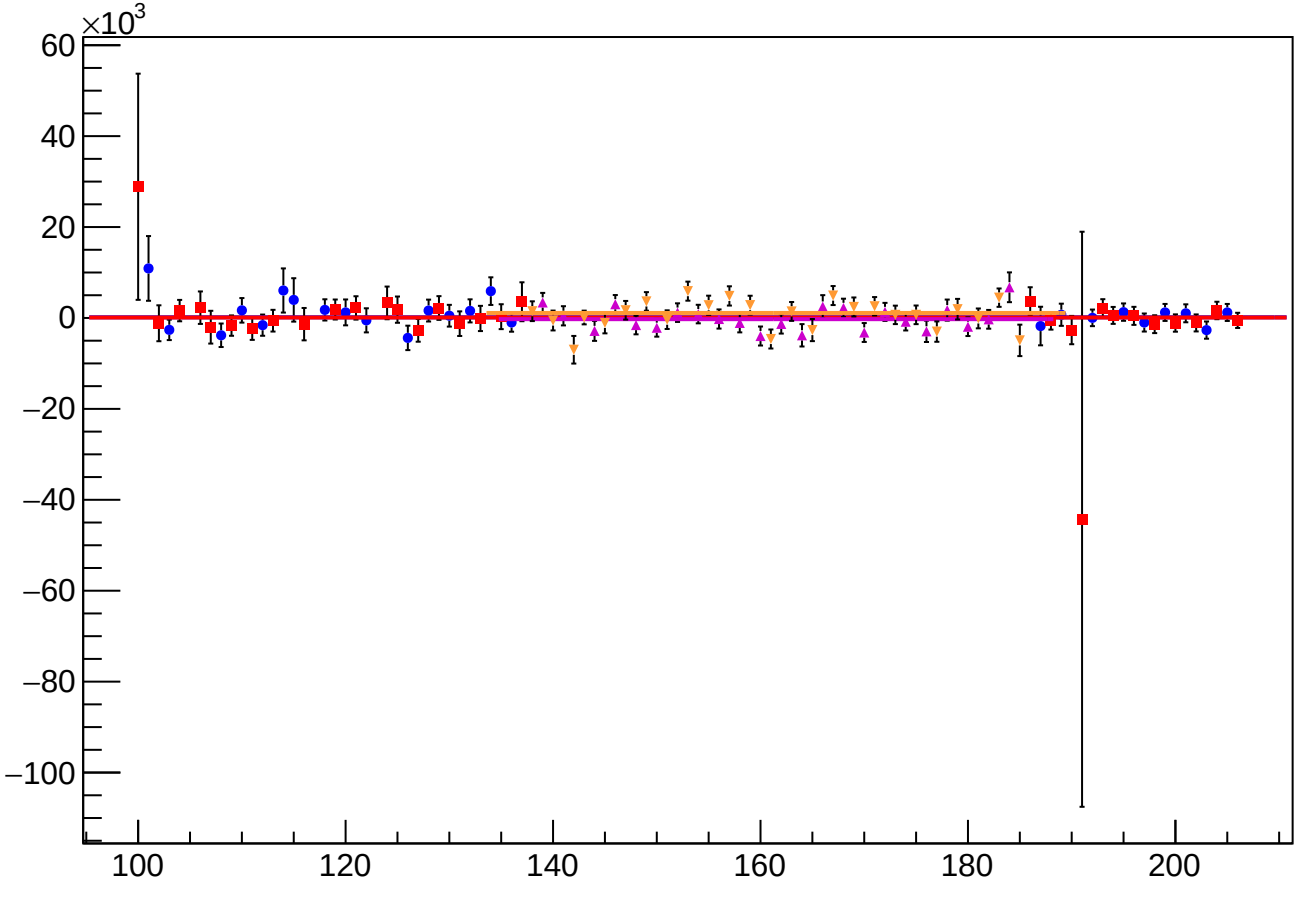
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3217.305+/-0.425 χ^2/NDF: 3433600.4/55

In: 3747.028+/-0.484 χ^2/NDF:4512447.0/47

Out: 3657.319+/-0.452 χ^2/NDF:5523560.7/55

All: 3699.101+/-0.330 χ^2/NDF: 10054360.3/1



Right In: 144.723+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 99.797+/-445.014 χ^2/NDF: 15.8/30

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

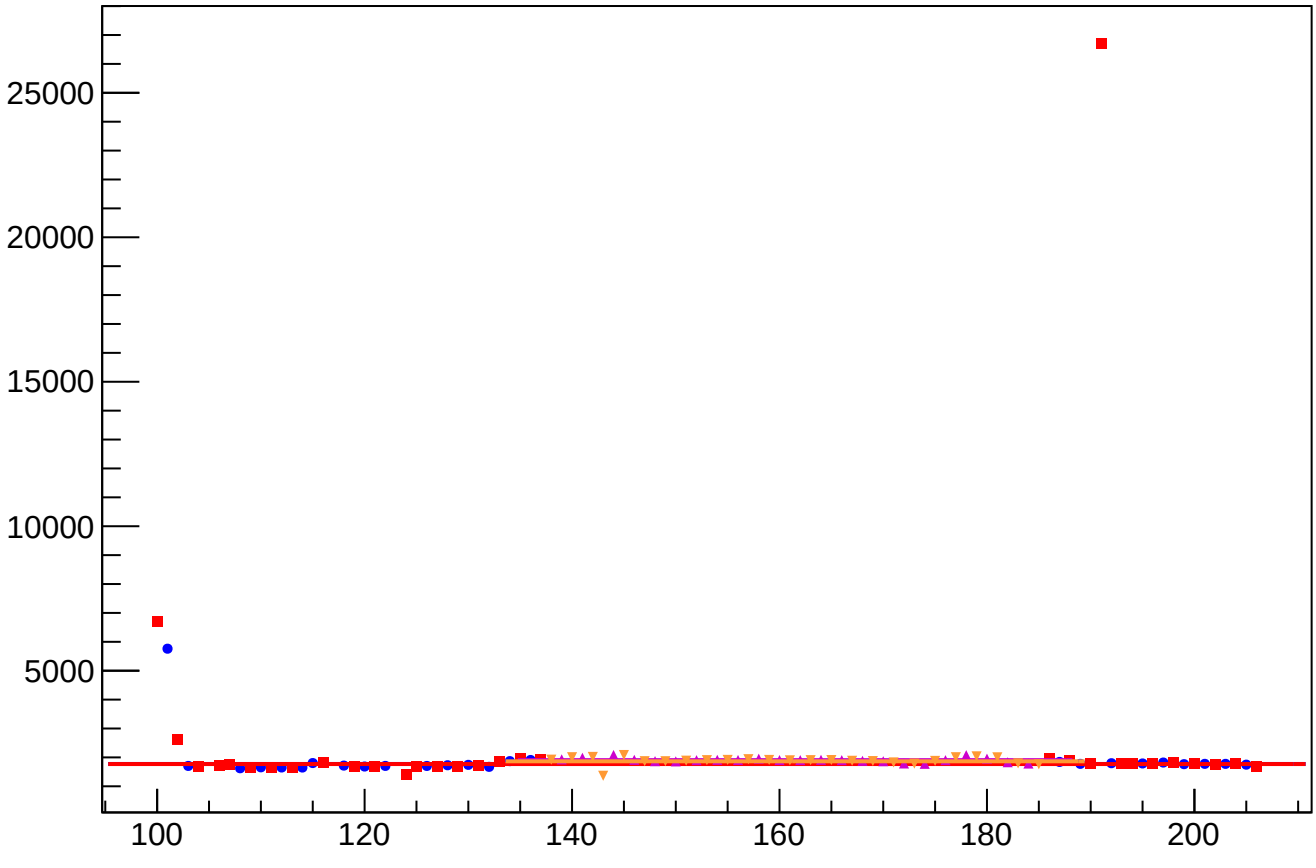
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 120.652+/-325.740 χ^2/NDF: 37.1/55

In: -74.437+/-325.873 χ^2/NDF:49.4/47

Out: 624.249+/-307.474 χ^2/NDF:63.3/55

All: 295.186+/-223.638 χ^2/NDF: 115.1/103



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

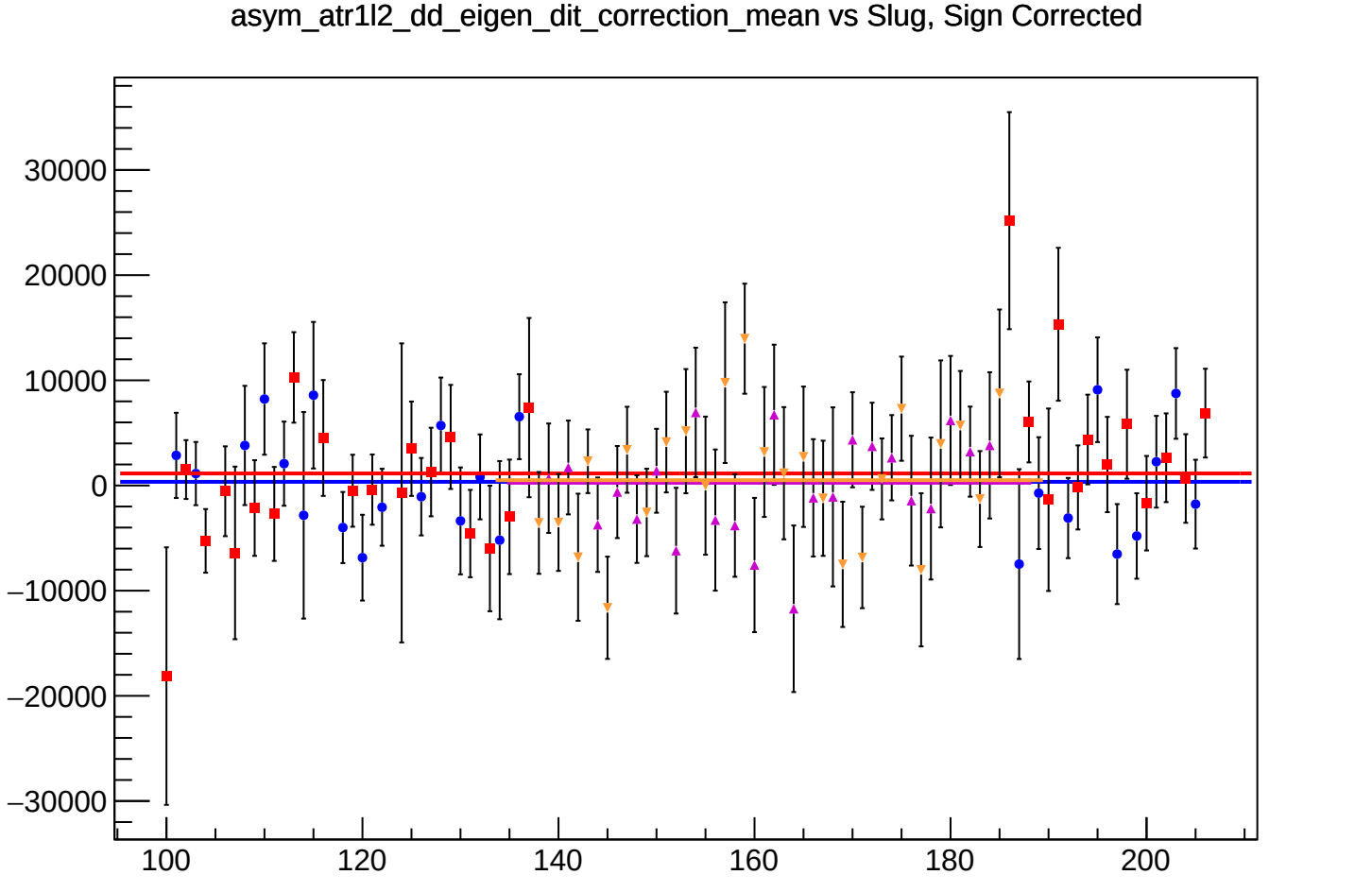
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

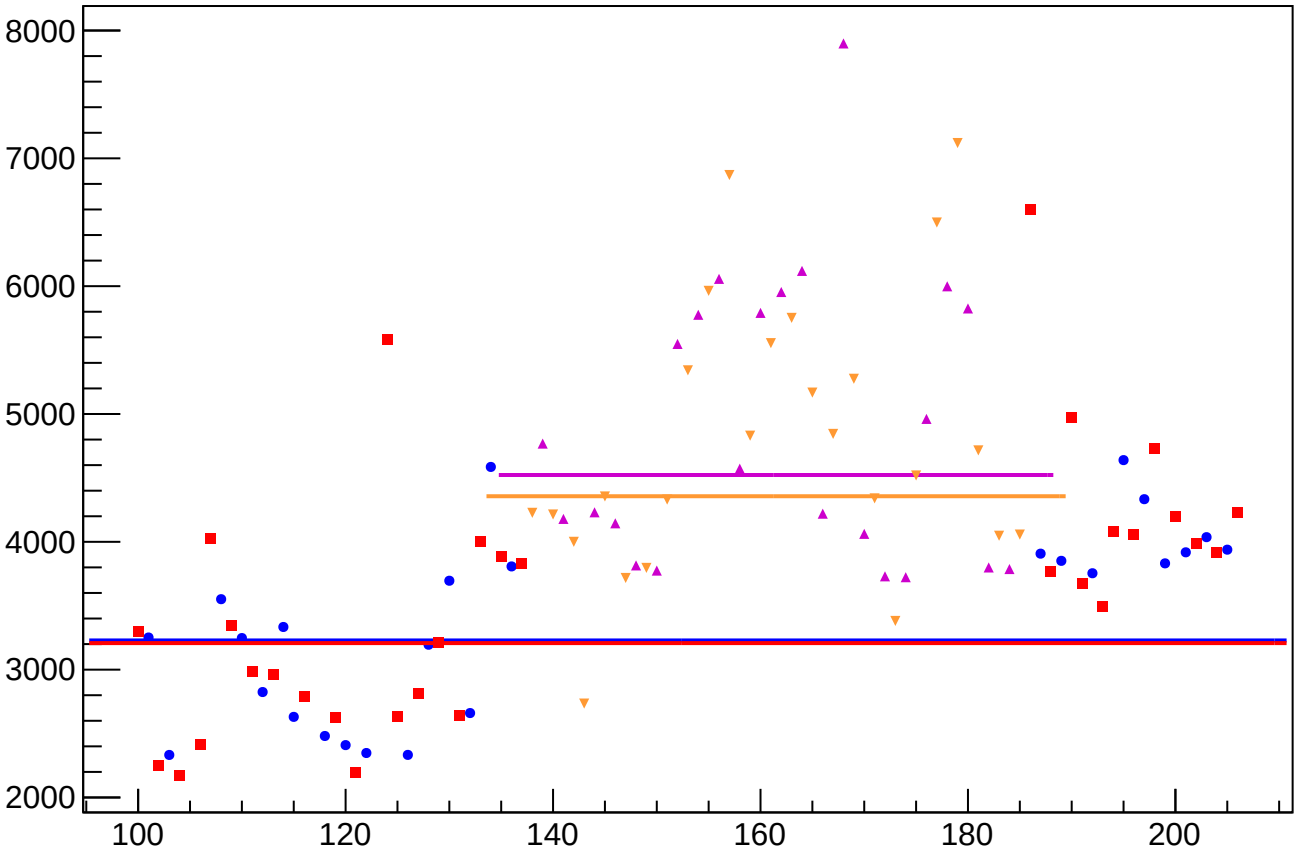
Right: 1771.190+/-0.230 χ^2/NDF: 1239592.6/55

In: 1843.816+/-0.230 χ^2/NDF:806645.7/47

Out: 1819.497+/-0.217 χ^2/NDF:910896.4/55

All: 1830.943+/-0.158 χ^2/NDF: 1723438.2/10


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 348.862+/-884.156 χ²/NDF: 27.6/24
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: 1146.338+/-819.186 χ²/NDF: 34.6/30
Left In: 261.051+/-1081.404 χ²/NDF:13.6/22
Left: 389.559+/-742.655 χ²/NDF: 43.7/47
Right: 777.974+/-600.909 χ²/NDF: 62.6/55
In: 313.681+/-684.494 χ²/NDF:41.2/47
Out: 895.087+/-639.116 χ²/NDF:64.9/55
All: 624.293+/-467.142 χ²/NDF: 106.5/103



Right In: 3228.447+/-0.625 χ^2/NDF: 1361227.9/24

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3207.732+/-0.579 χ^2/NDF: 2071821.5/30

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

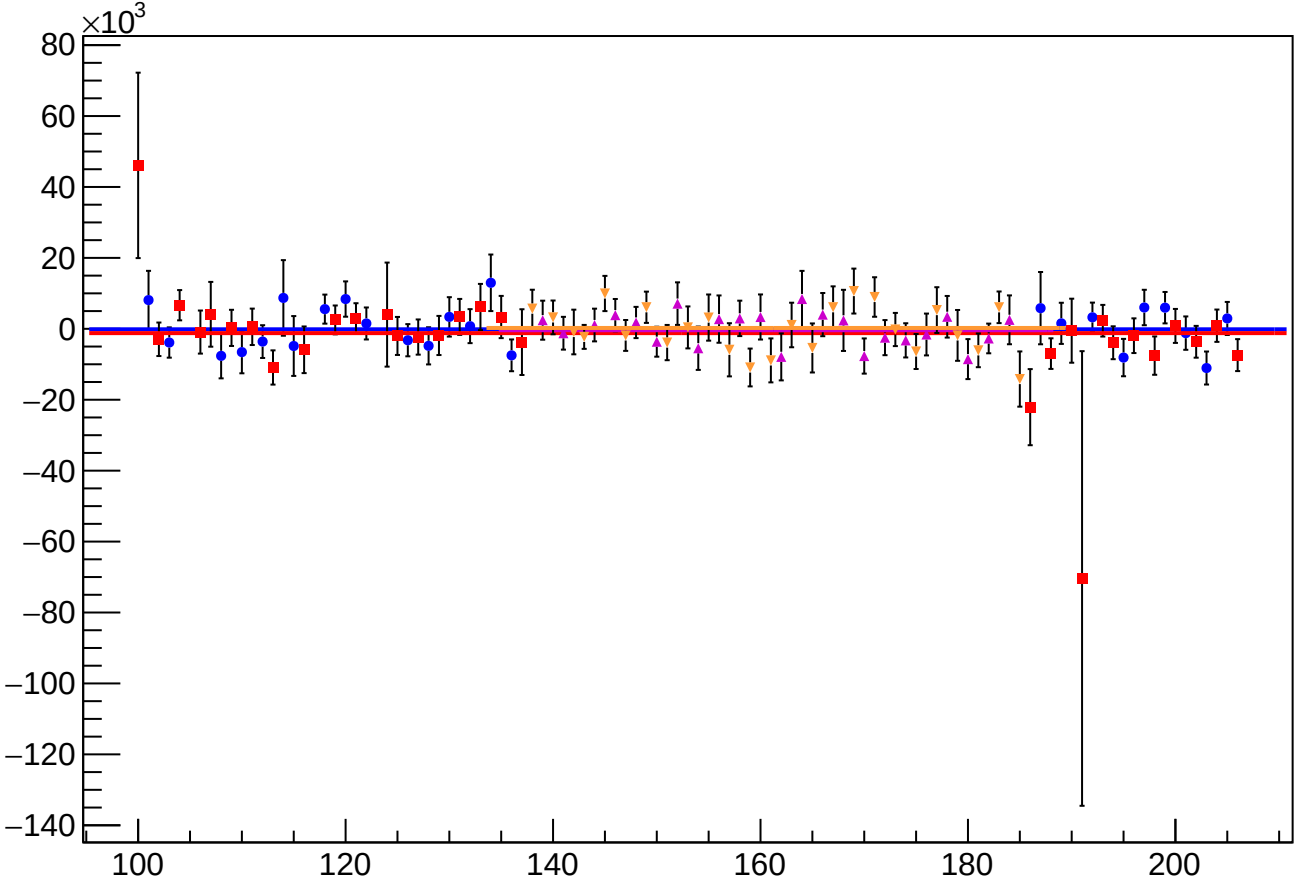
Right: 3217.300+/-0.425 χ^2/NDF: 3433640.2/55

In: 3747.026+/-0.484 χ^2/NDF:4512503.7/47

Out: 3657.319+/-0.452 χ^2/NDF:5523606.8/55

All: 3699.100+/-0.330 χ^2/NDF: 10054462.4/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -137.244+/-1037.184 χ^2/NDF: 30.7/24

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -1215.486+/-974.581 χ^2/NDF: 28.4/30

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

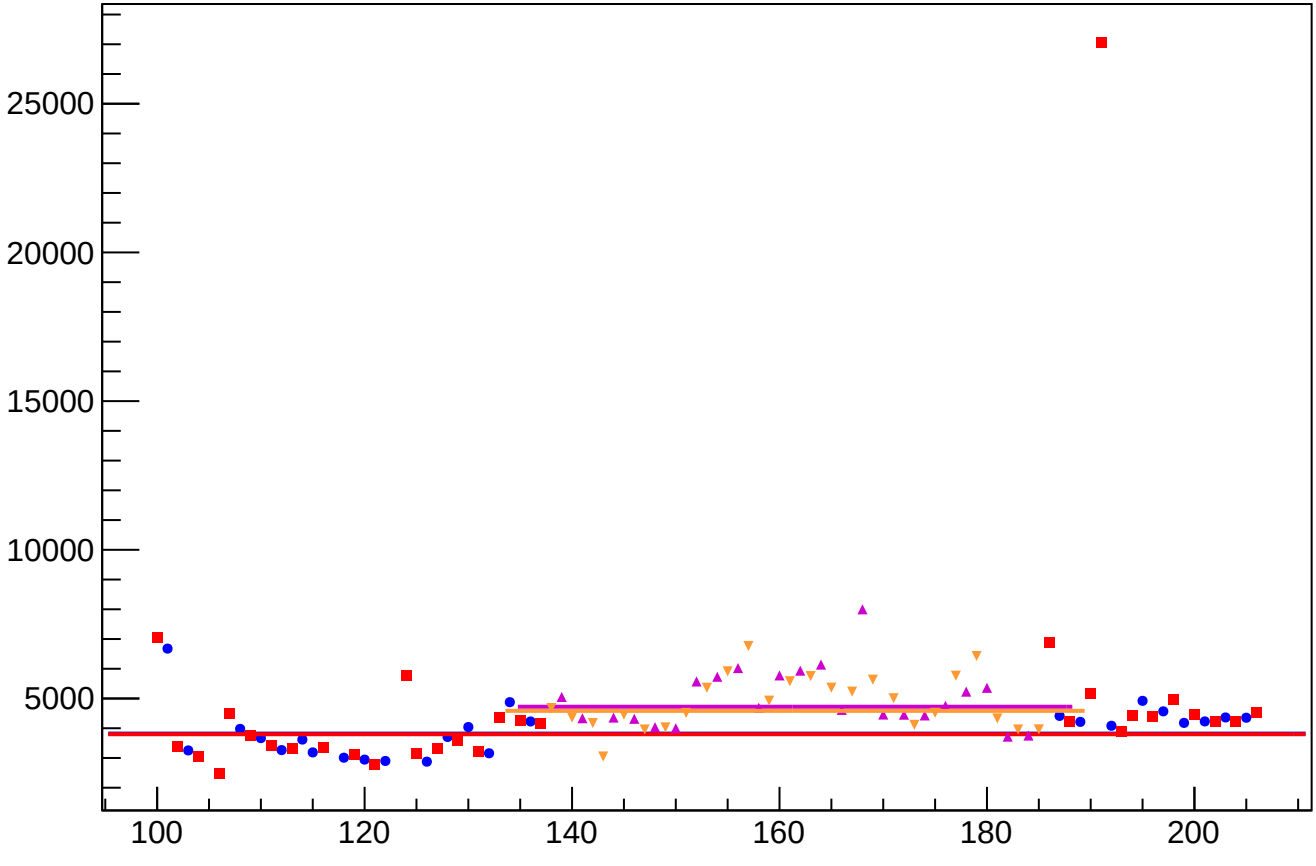
Right: -709.886+/-710.234 χ^2/NDF: 59.7/55

In: -257.418+/-761.410 χ^2/NDF:45.0/47

Out: -551.935+/-718.869 χ^2/NDF:61.6/55

All: -413.133+/-522.709 χ^2/NDF: 106.6/103

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3819.197+/-0.733 χ^2/NDF: 960152.7/24

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3798.835+/-0.683 χ^2/NDF: 1415241.8/30

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

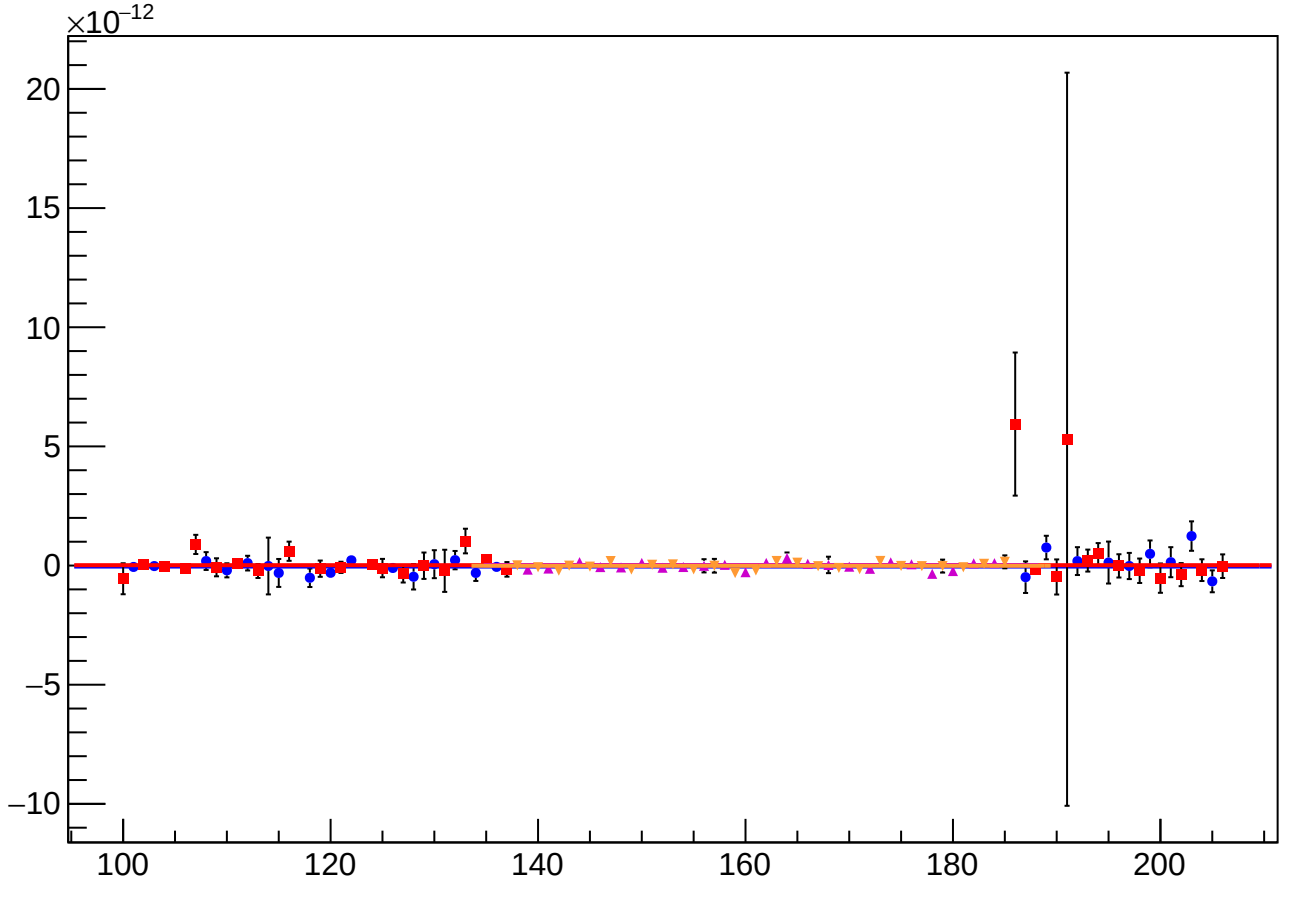
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3808.299+/-0.500 χ^2/NDF: 2375807.1/55

In: 4235.928+/-0.538 χ^2/NDF:2677019.3/47

Out: 4153.898+/-0.506 χ^2/NDF:3324256.0/55

All: 4192.374+/-0.369 χ^2/NDF: 6013600.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/30

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

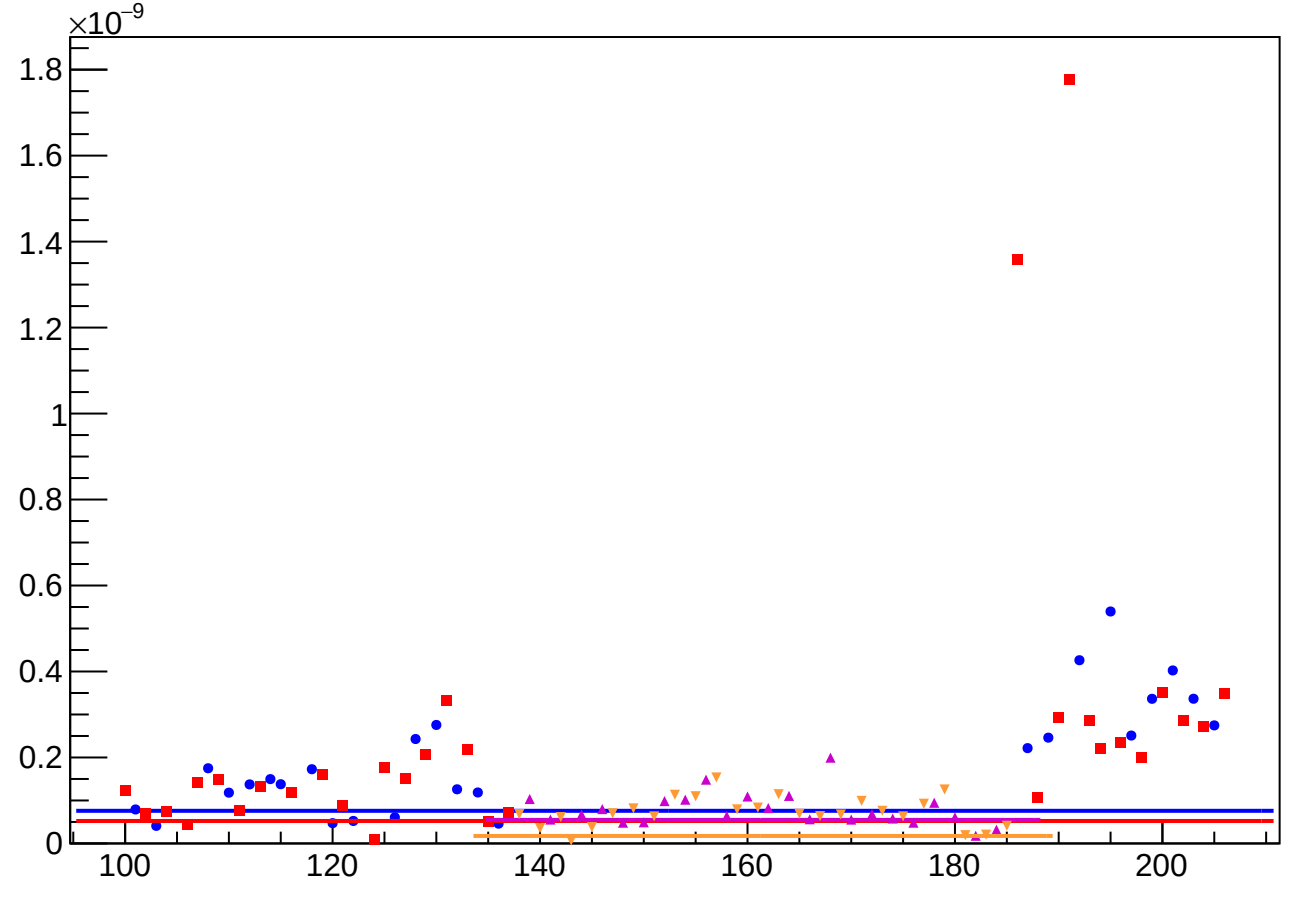
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 46.8/55

In: 0.000+/-0.000 χ^2/NDF:46.4/47

Out: -0.000+/-0.000 χ^2/NDF:50.0/55

All: -0.000+/-0.000 χ^2/NDF: 96.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 5104507.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7495093.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

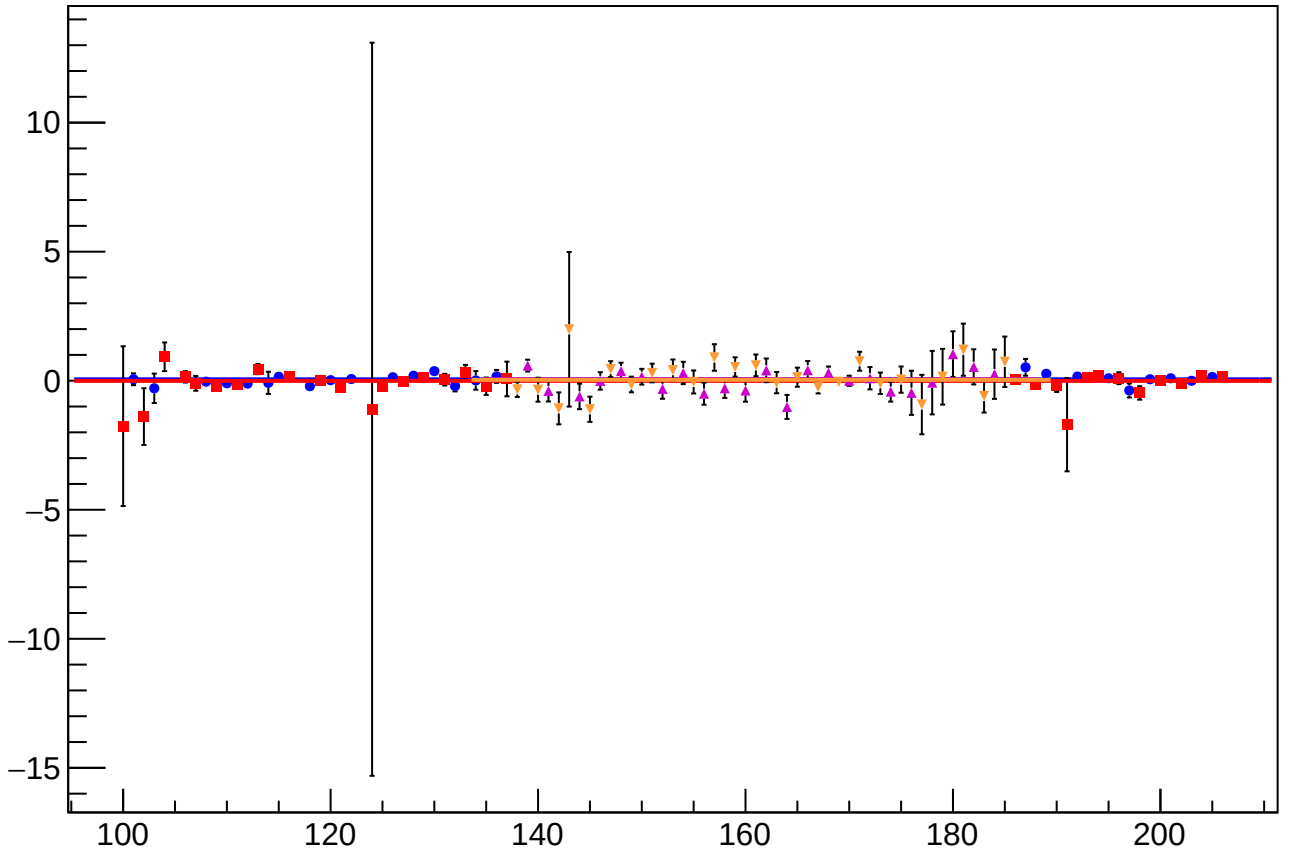
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12964709.4/55

In: 0.000+/-0.000 χ^2/NDF:8269517.6/47

Out: 0.000+/-0.000 χ^2/NDF:18209235.8/55

All: 0.000+/-0.000 χ^2/NDF: 31935892.7/103



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

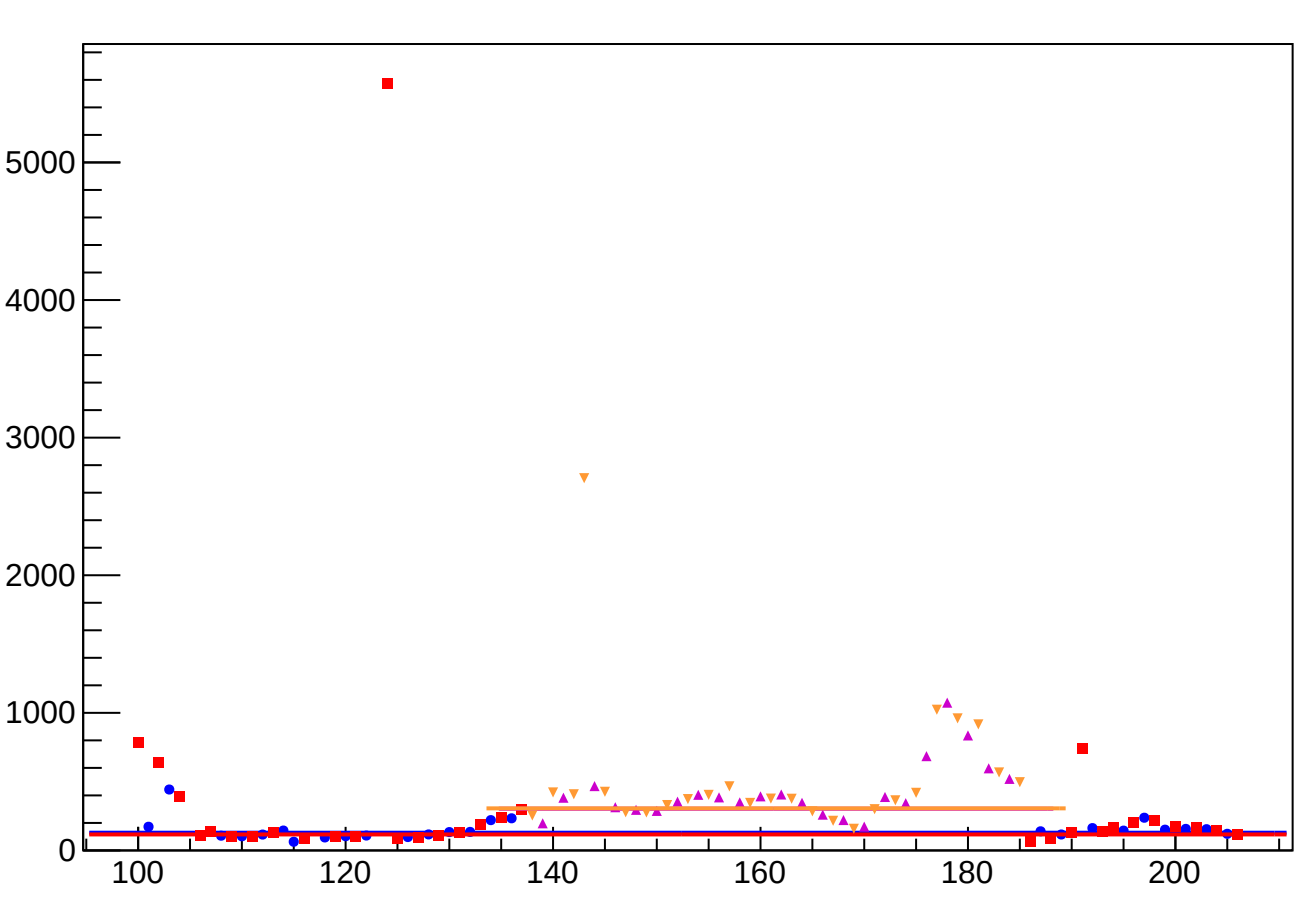
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.020+/-0.024 χ^2/NDF: 56.9/55

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.024+/-0.022 χ^2/NDF: 113.6/103



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

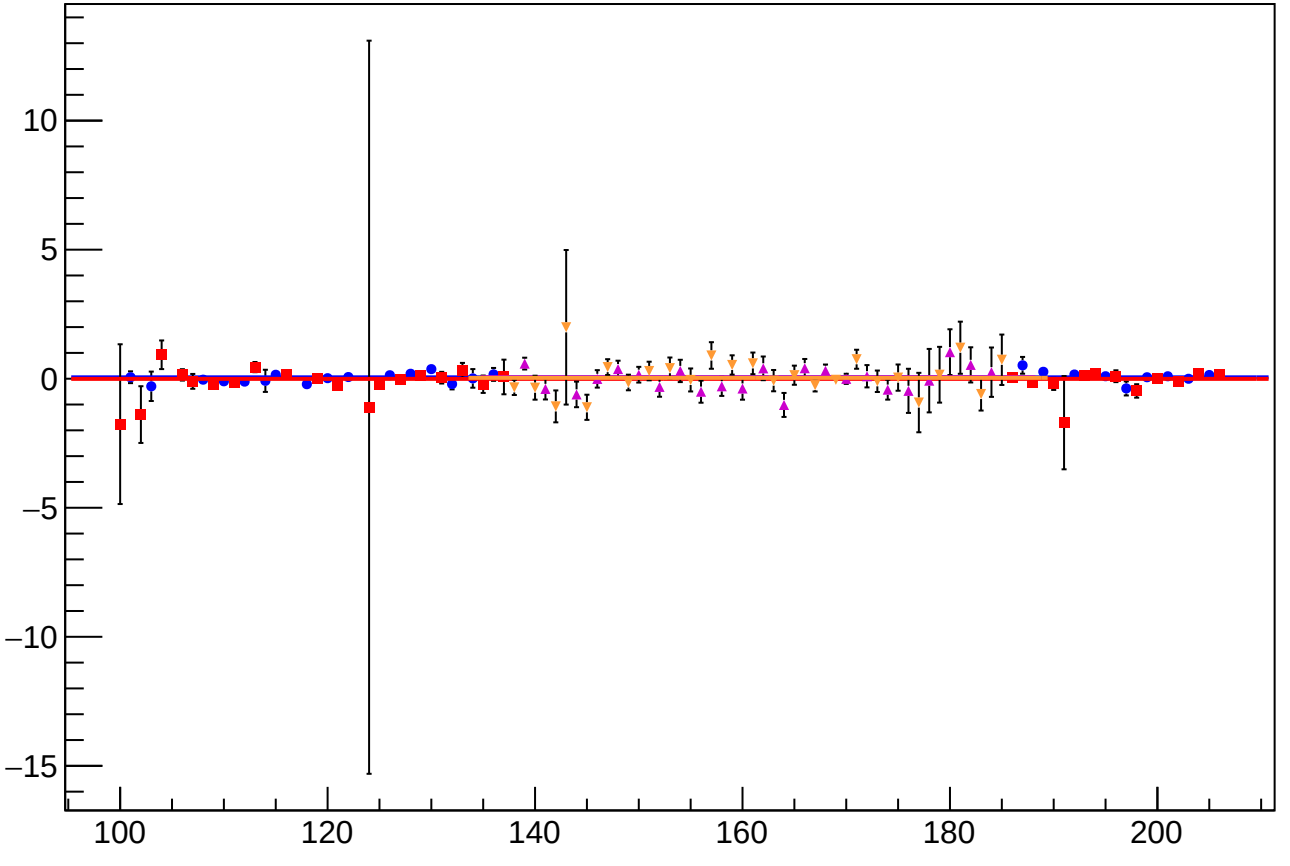
Right: 121.890+/-0.017 χ^2/NDF: 6893492.5/55

In: 161.581+/-0.024 χ^2/NDF:15475893.1/47

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 152.097+/-0.016 χ^2/NDF: 36843179.9/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

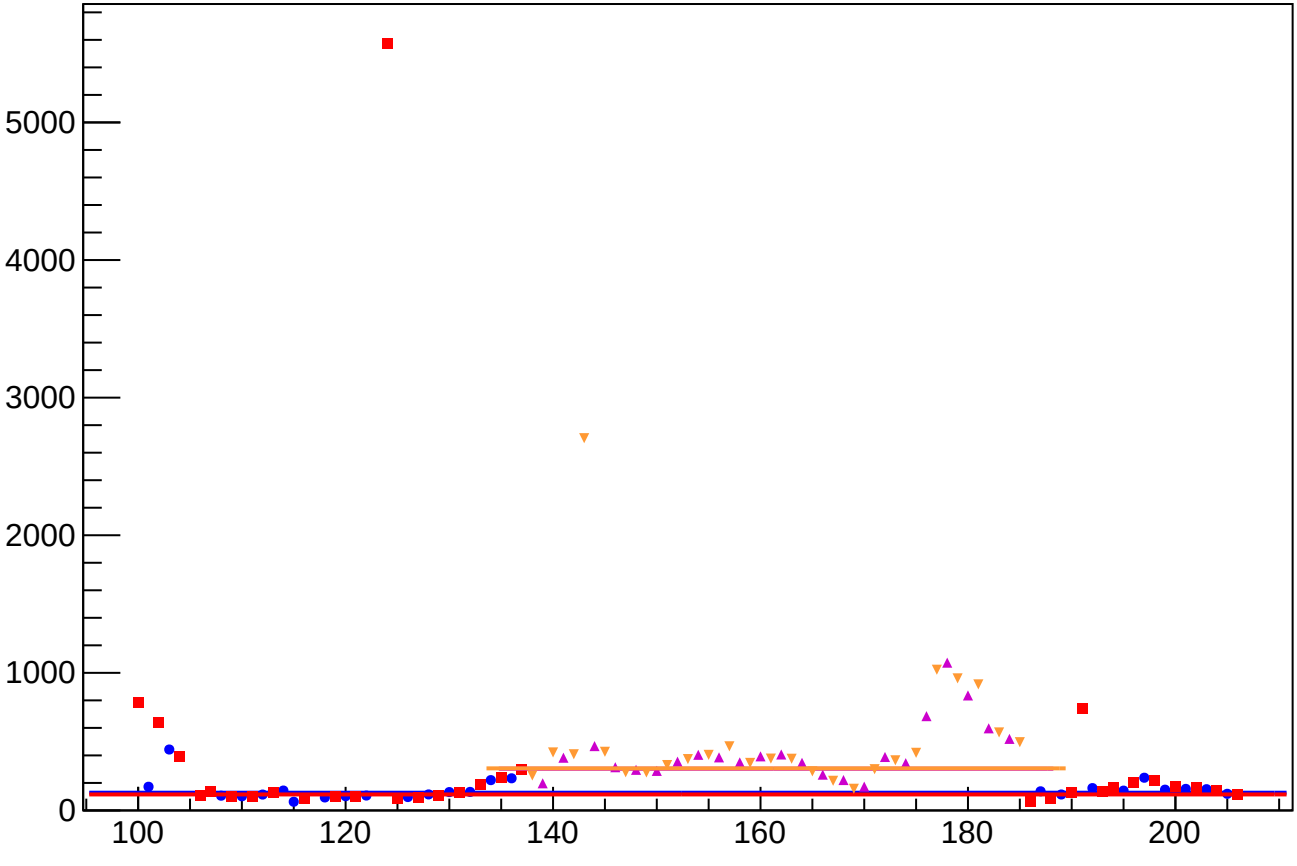
Right: 0.020+/-0.024 χ^2/NDF: 56.9/55

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.024+/-0.022 χ^2/NDF: 113.6/103

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

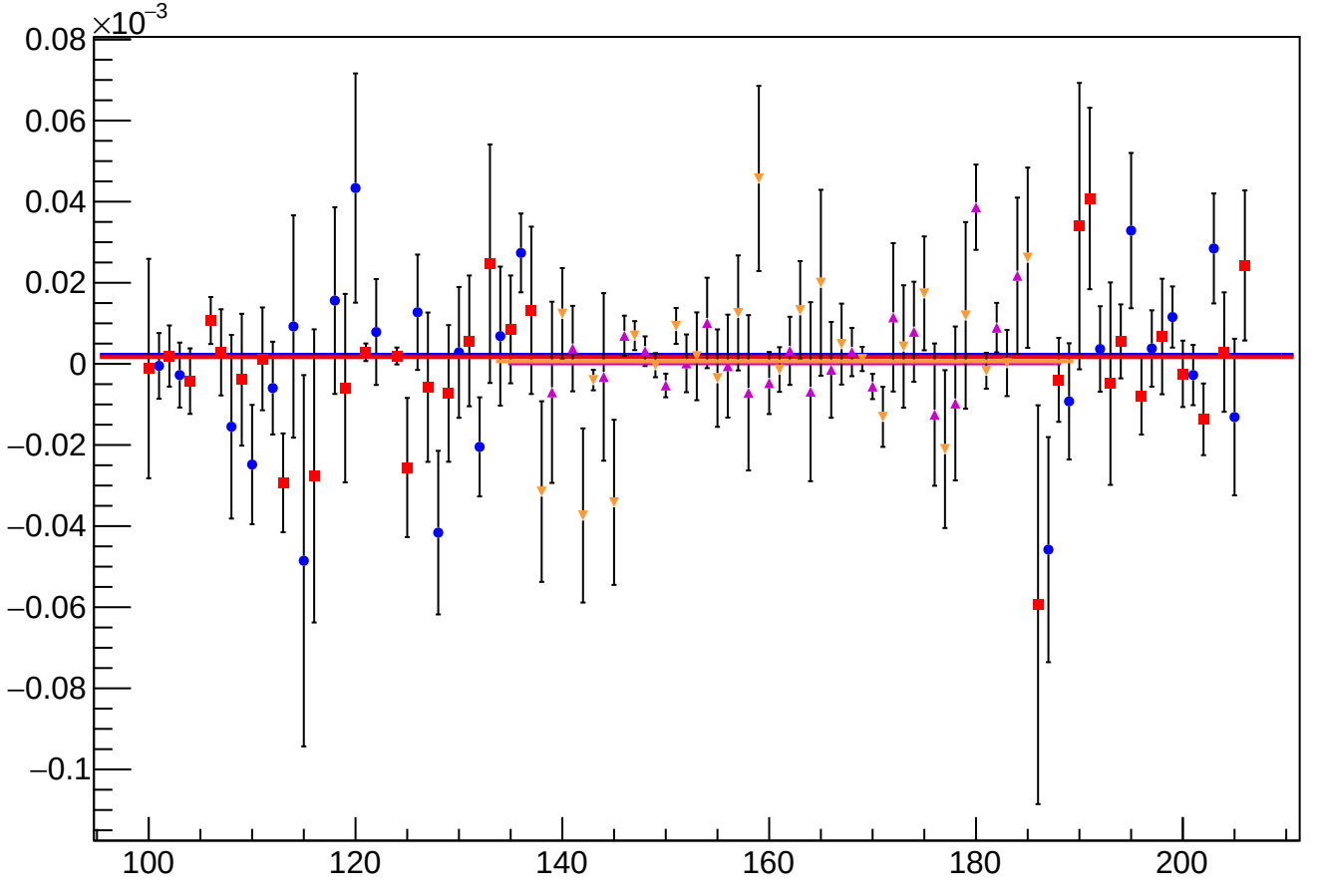
Right: 121.890+/-0.017 χ^2/NDF: 6893492.5/55

In: 161.581+/-0.024 χ^2/NDF:15475893.1/47

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 152.097+/-0.016 χ^2/NDF: 36843179.9/10

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/30

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

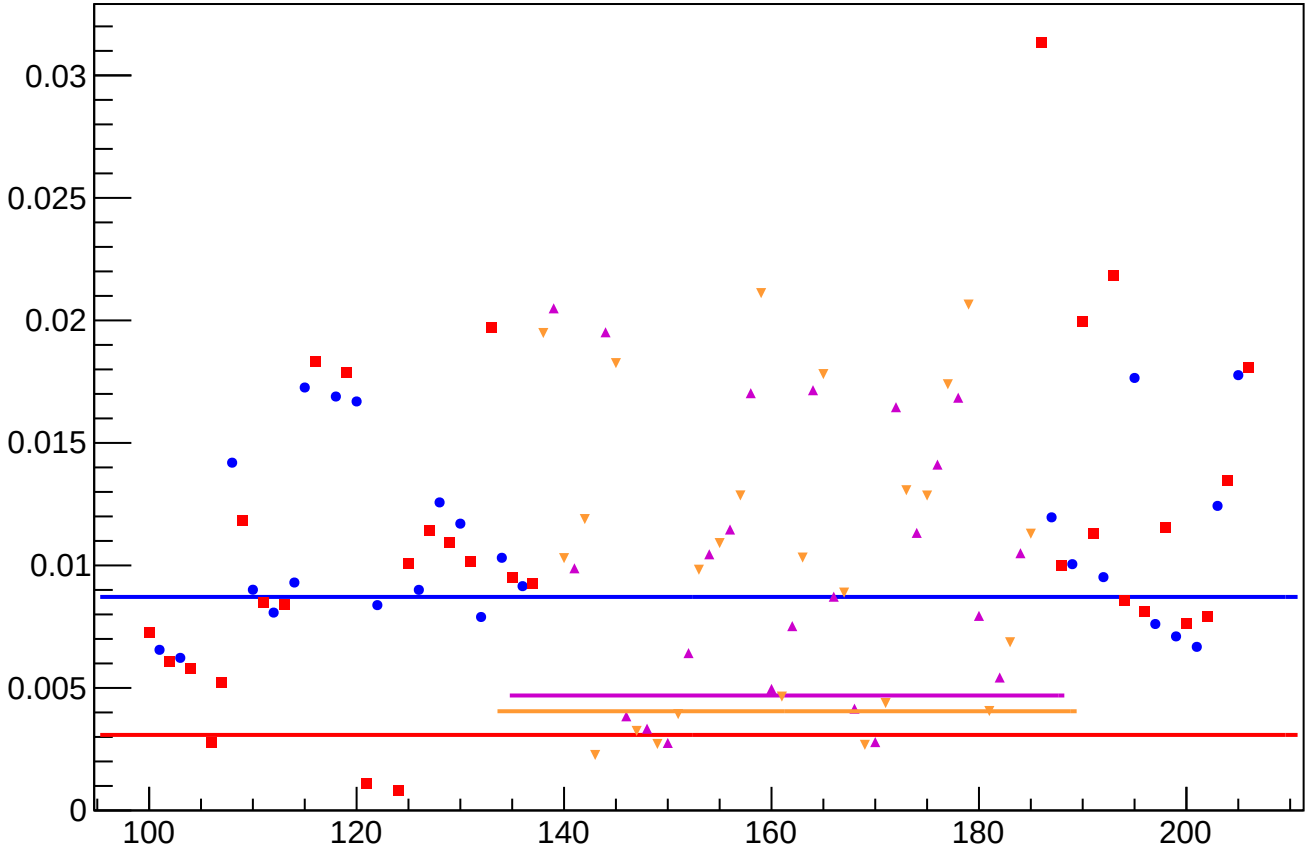
Right: 0.000+/-0.000 χ^2/NDF: 63.8/55

In: 0.000+/-0.000 χ^2/NDF:67.4/47

Out: 0.000+/-0.000 χ^2/NDF:61.7/55

All: 0.000+/-0.000 χ^2/NDF: 129.2/103

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2467484.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18978597.2/30

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

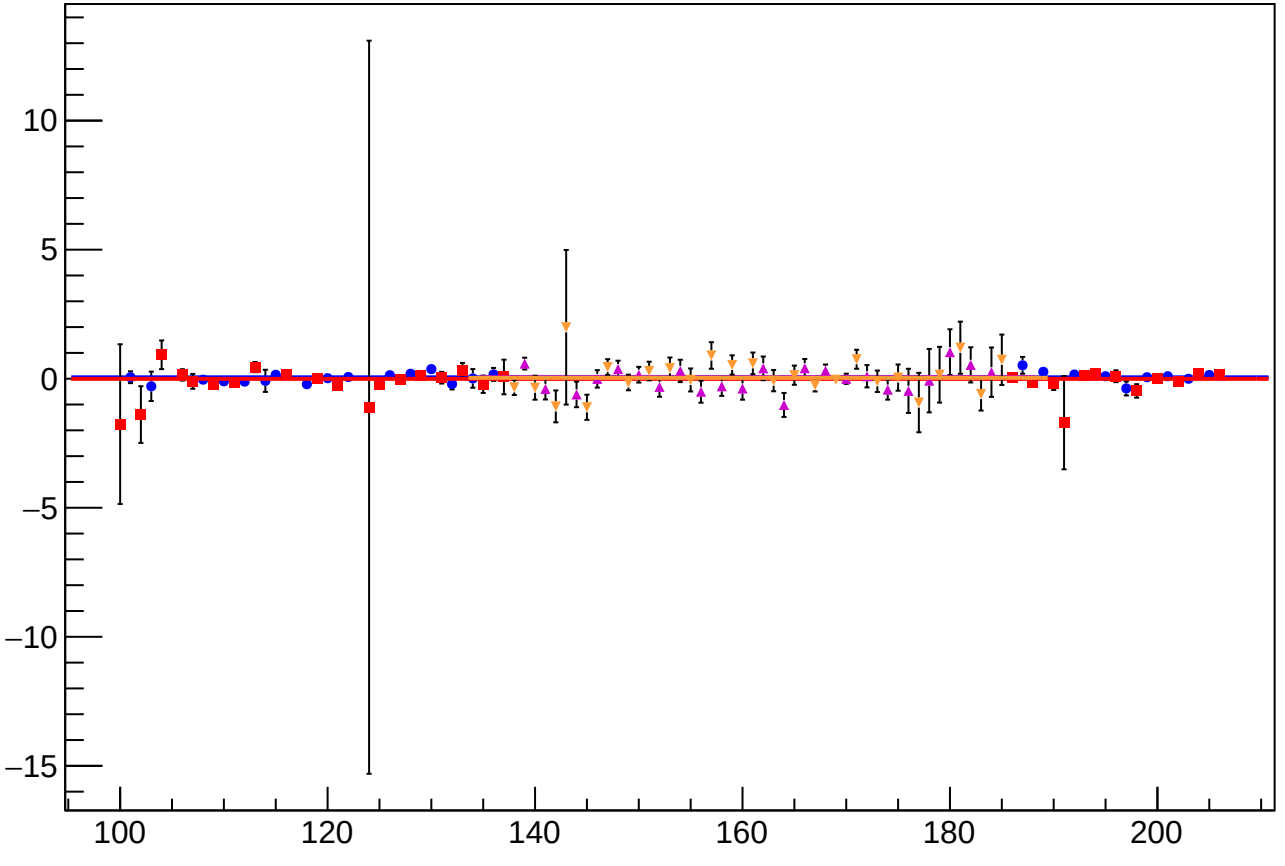
Right: 0.004+/-0.000 χ^2/NDF: 29591797.6/55

In: 0.006+/-0.000 χ^2/NDF:17284937.9/47

Out: 0.004+/-0.000 χ^2/NDF:33155030.5/55

All: 0.004+/-0.000 χ^2/NDF: 54258210.7/103

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

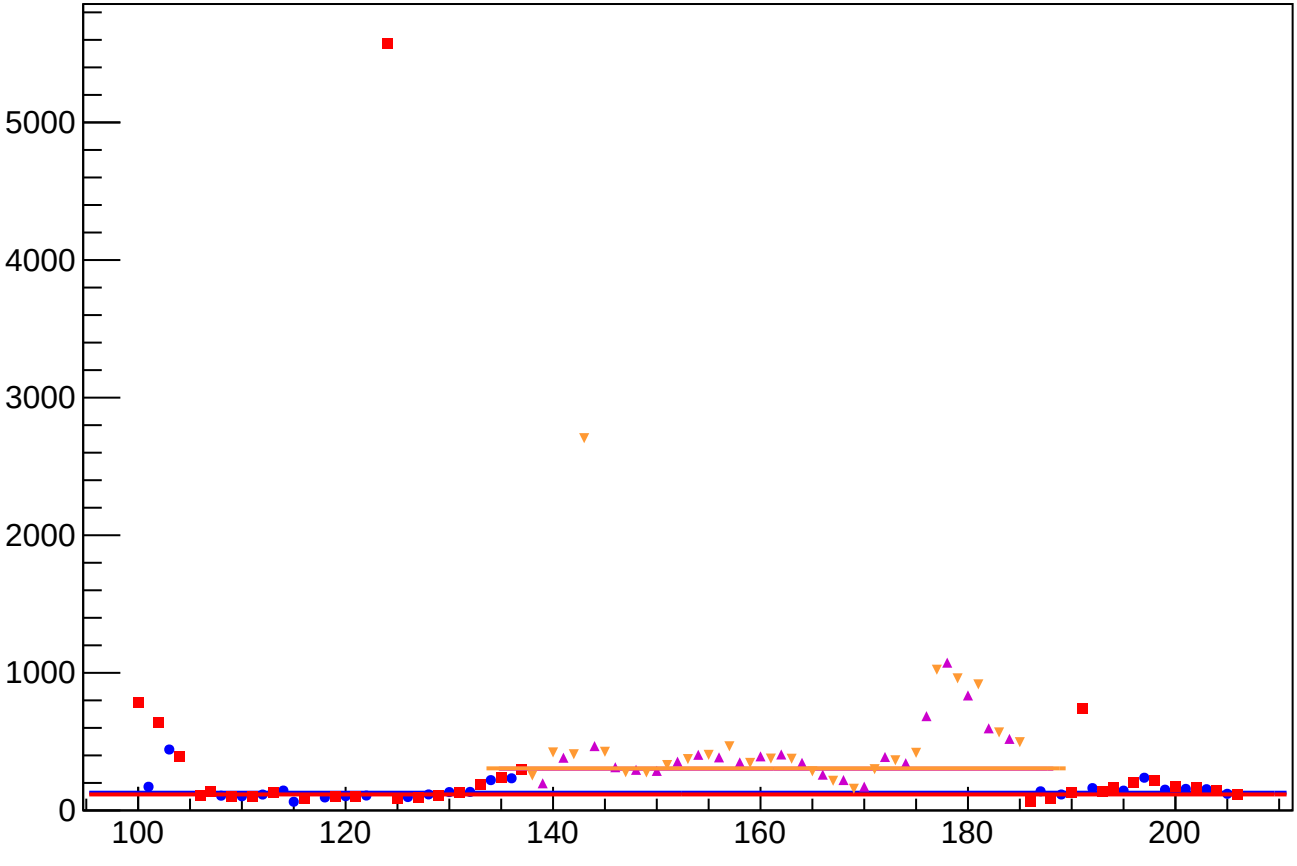
Right: 0.020+/-0.024 χ^2/NDF: 56.9/55

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.024+/-0.022 χ^2/NDF: 113.6/103

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

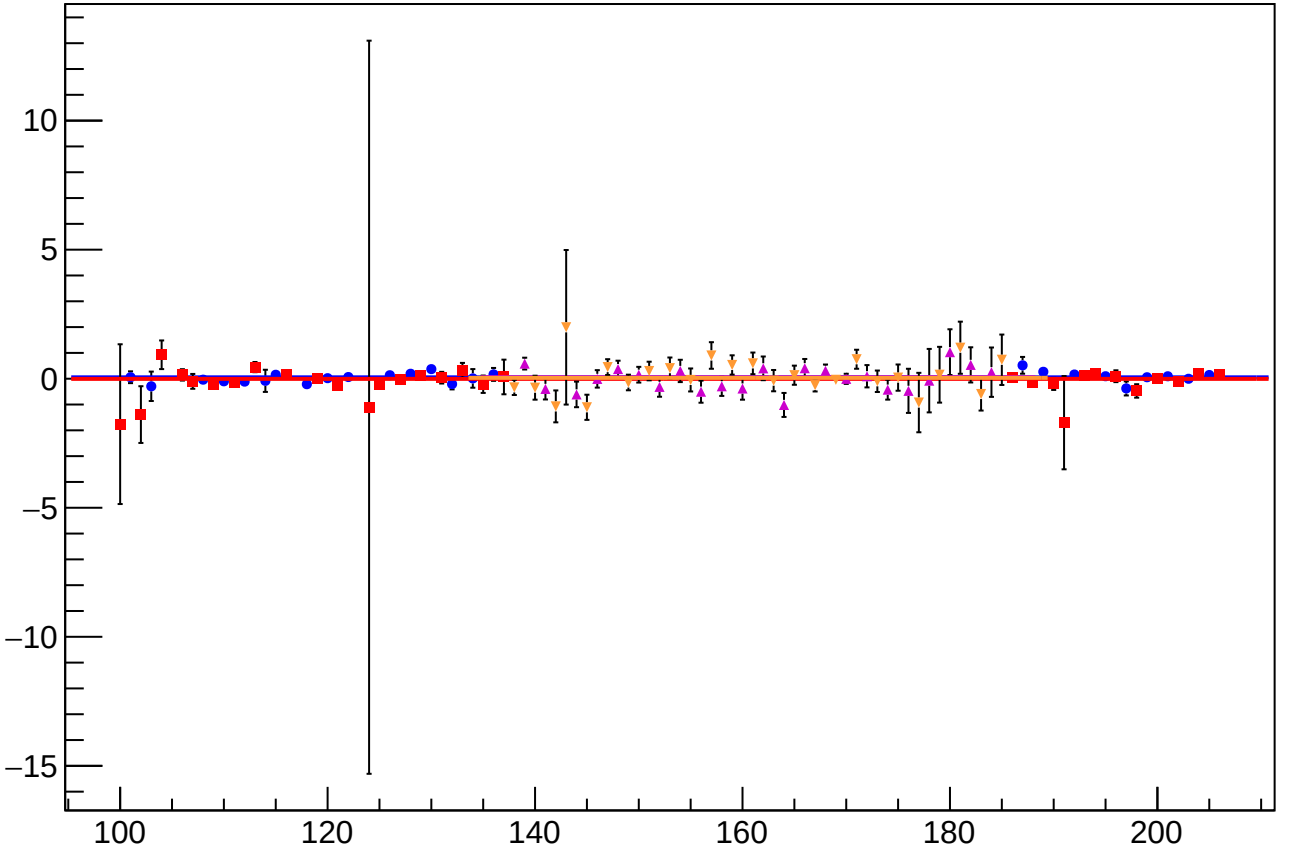
Right: 121.891+/-0.017 χ^2/NDF: 6893276.4/55

In: 161.582+/-0.024 χ^2/NDF:15475955.0/47

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 152.098+/-0.016 χ^2/NDF: 36843031.7/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

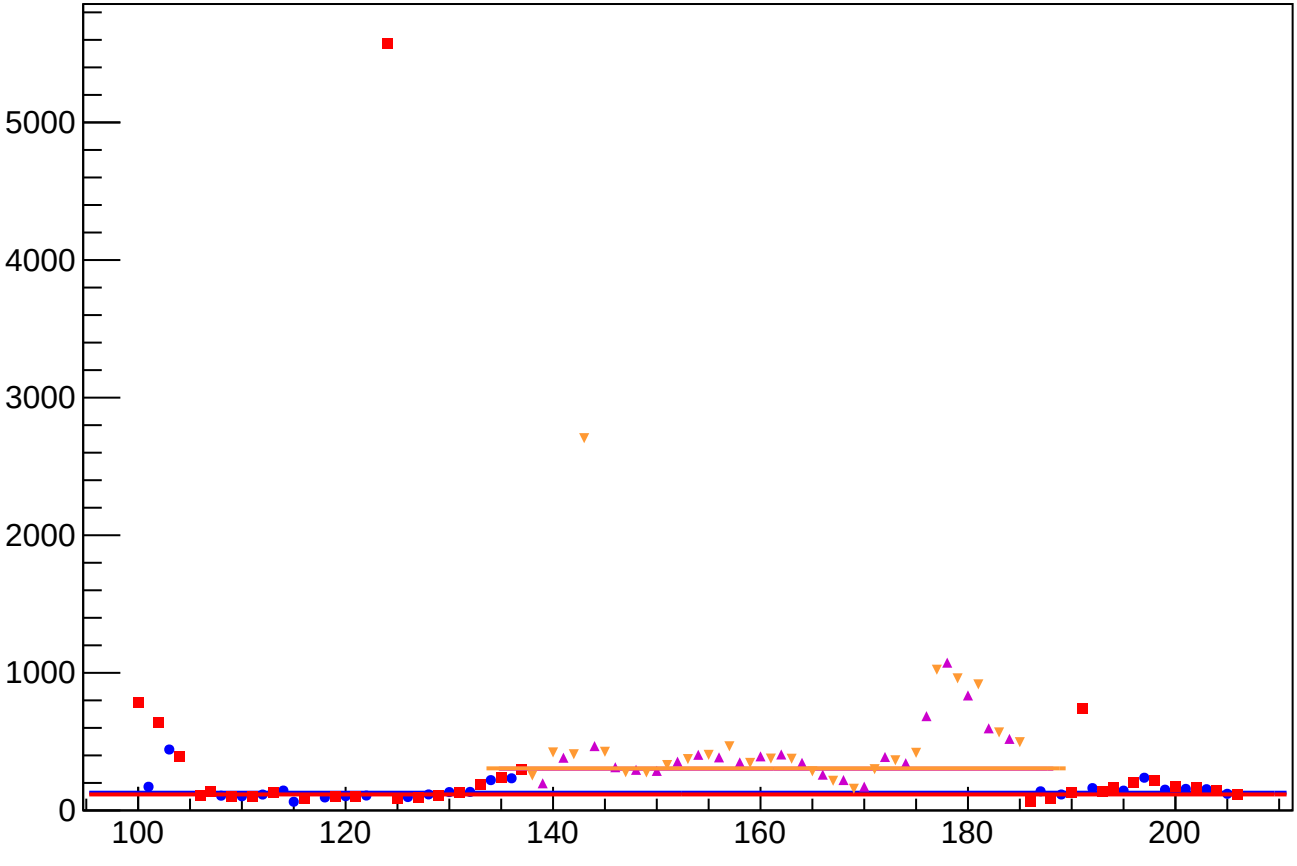
Right: 0.020+/-0.024 χ^2/NDF: 56.9/55

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.024+/-0.022 χ^2/NDF: 113.6/103

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

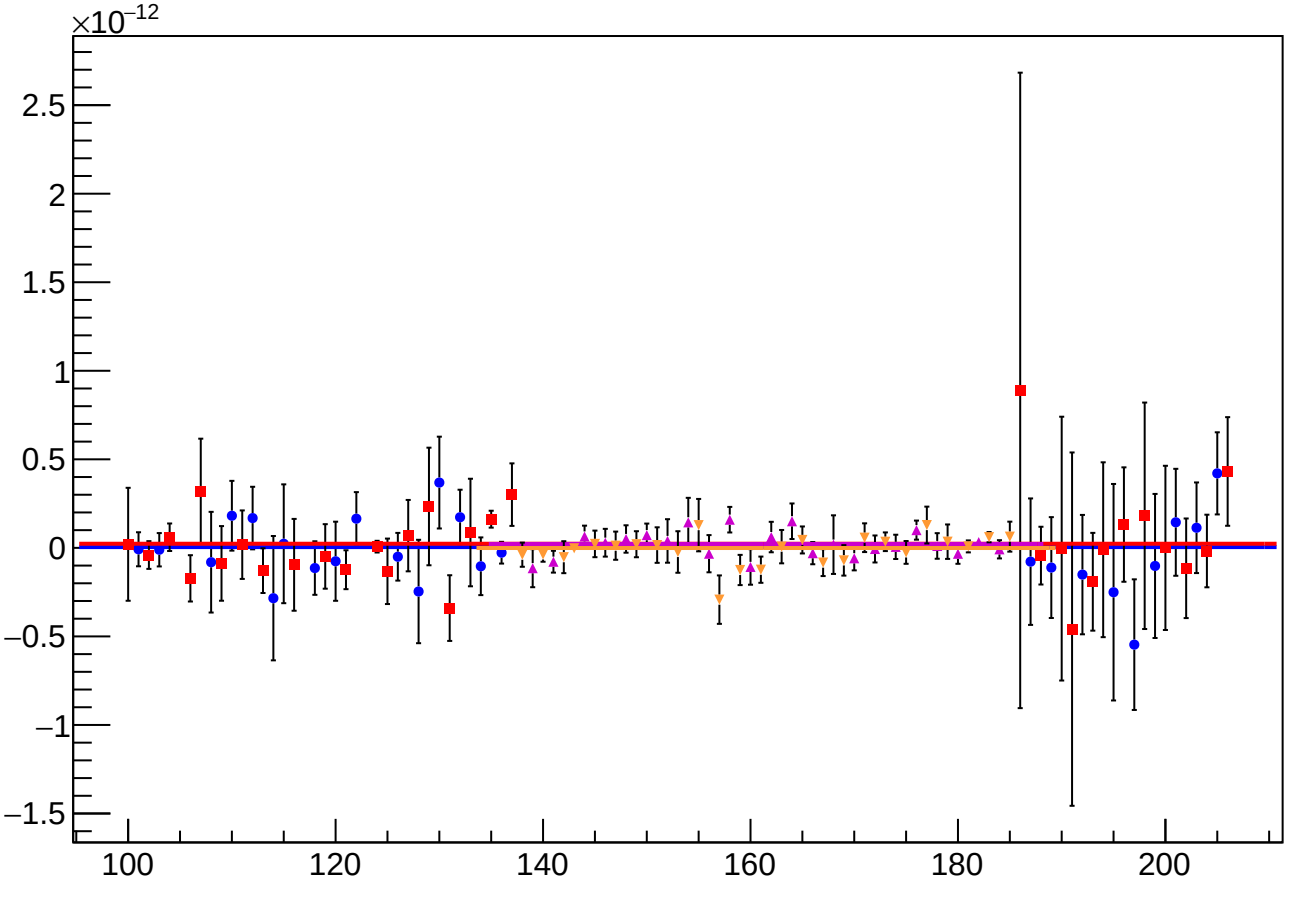
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 121.891+/-0.017 χ^2/NDF: 6893276.4/55

In: 161.582+/-0.024 χ^2/NDF:15475955.0/47

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 152.098+/-0.016 χ^2/NDF: 36843031.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/30

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

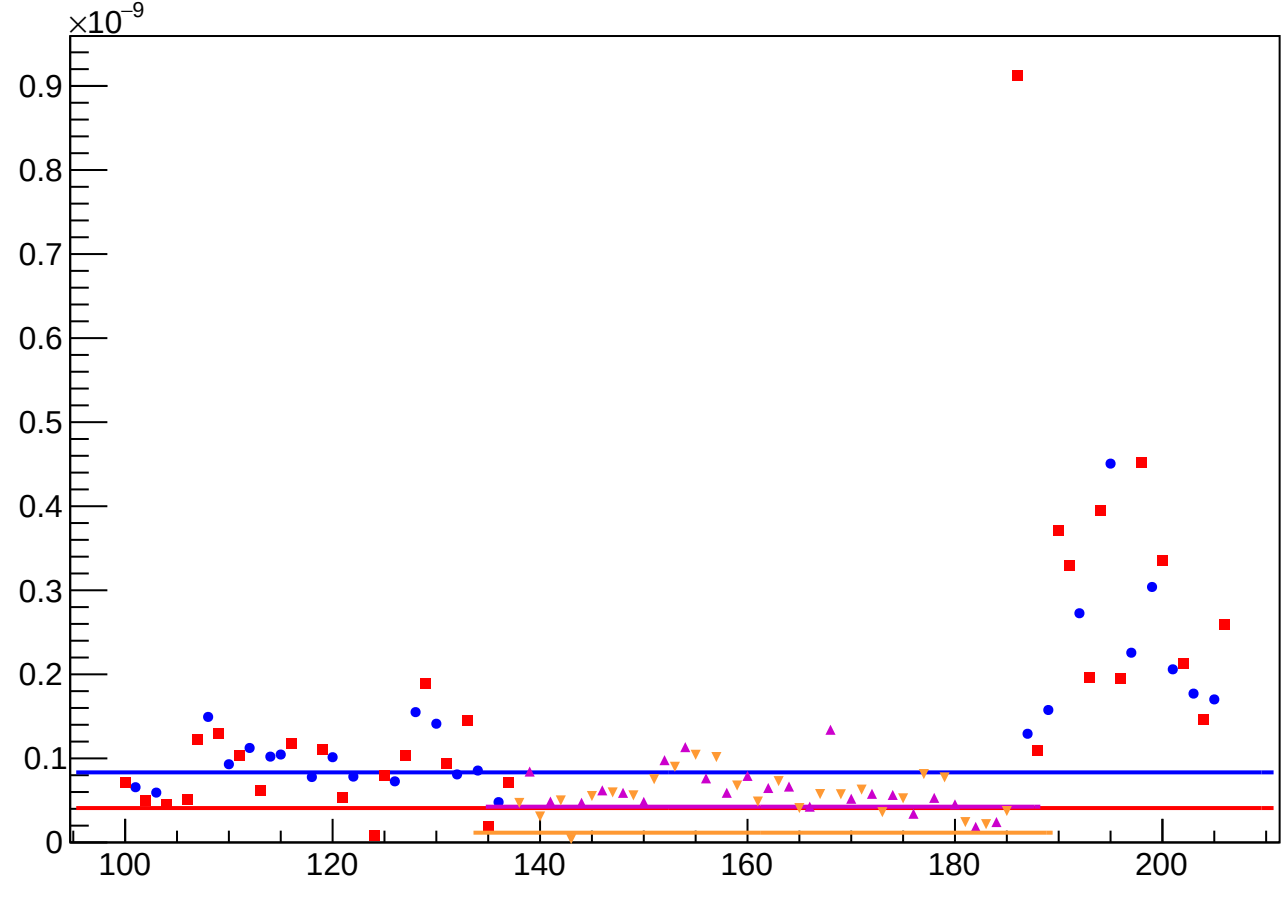
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 43.6/55

In: 0.000+/-0.000 χ^2/NDF:35.4/47

Out: 0.000+/-0.000 χ^2/NDF:50.9/55

All: 0.000+/-0.000 χ^2/NDF: 88.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 4581375.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12190593.2/30

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

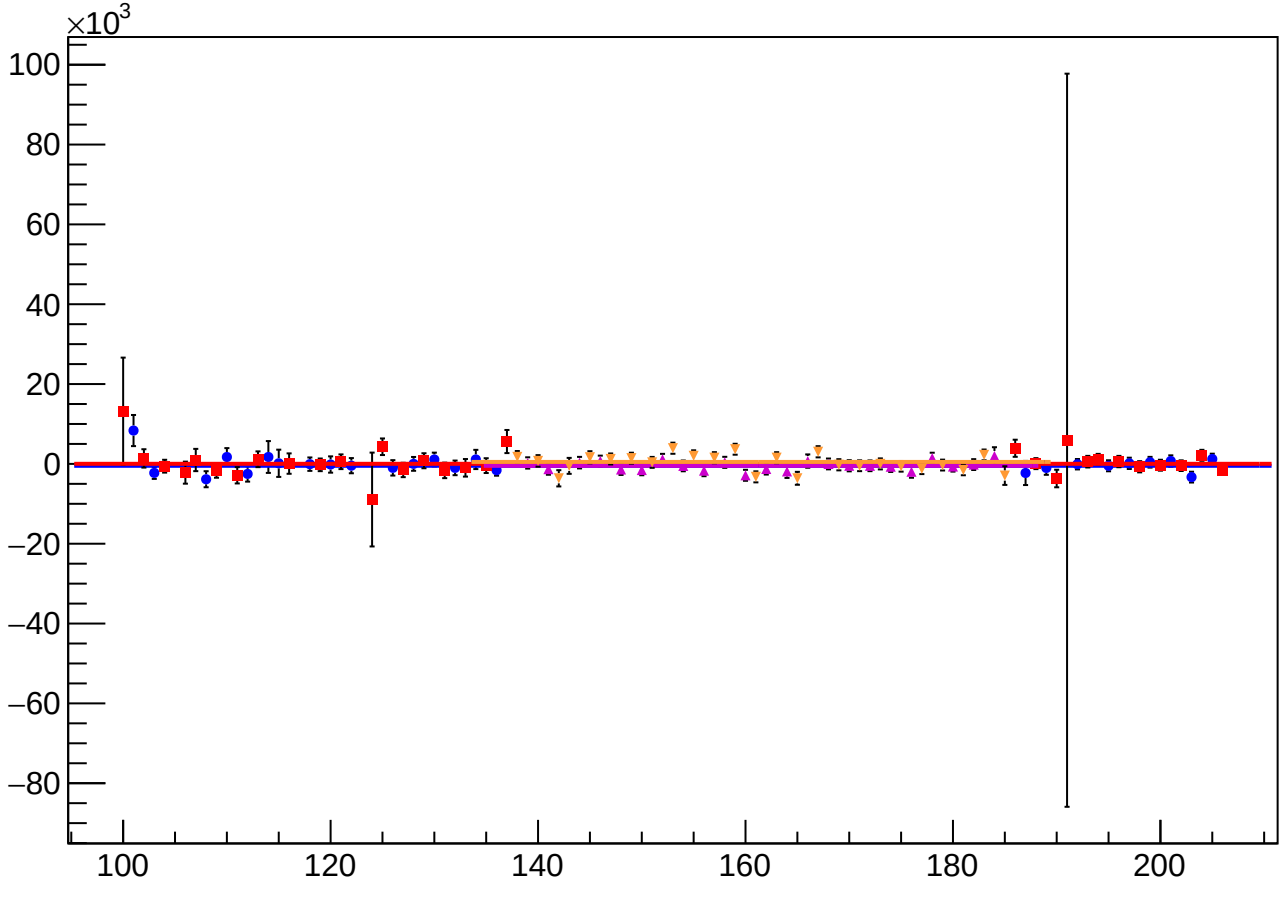
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 19151420.1/55

In: 0.000+/-0.000 χ^2/NDF:12672765.7/47

Out: 0.000+/-0.000 χ^2/NDF:33652319.7/55

All: 0.000+/-0.000 χ^2/NDF: 59365957.2/103



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

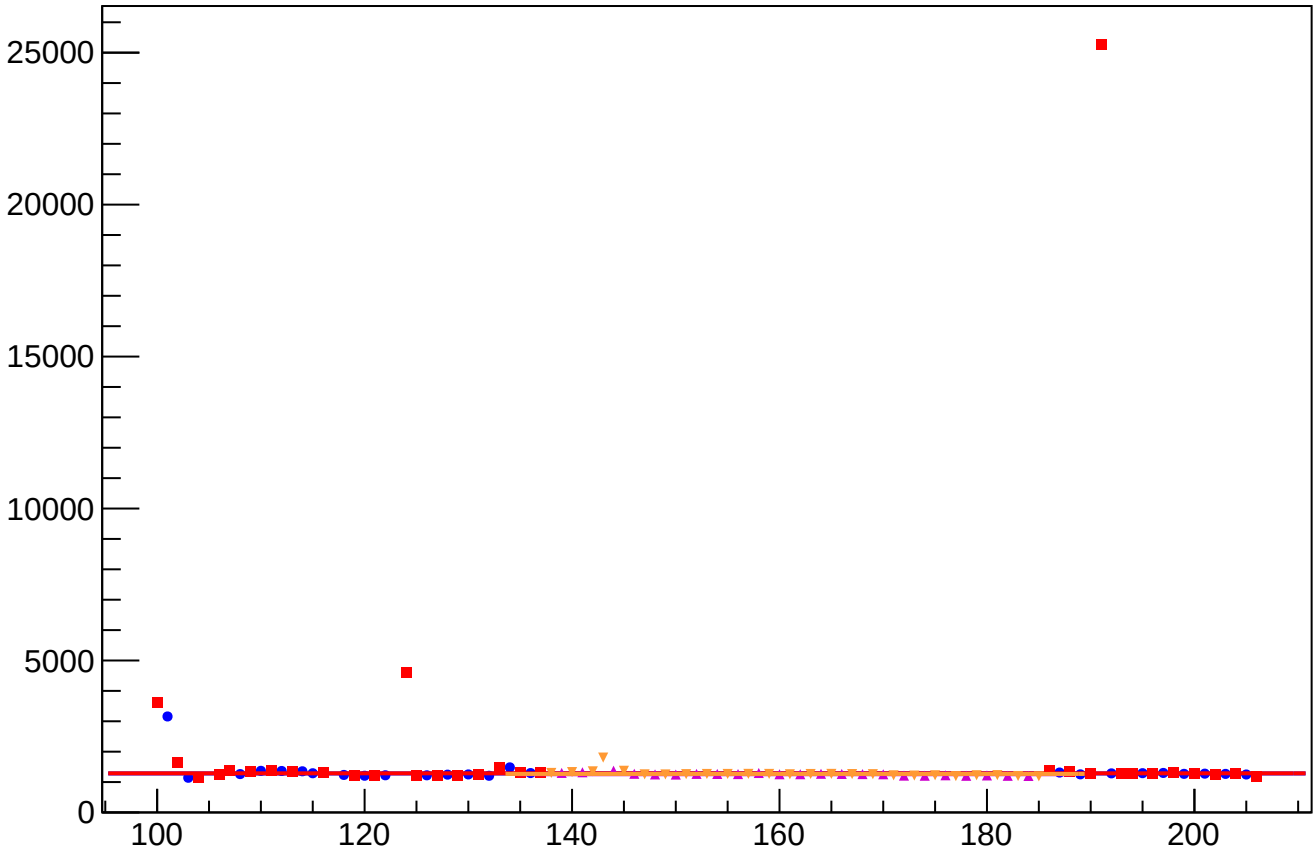
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -214.006+/-236.167 χ^2/NDF: 51.0/55

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -85.859+/-155.171 χ^2/NDF: 118.5/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

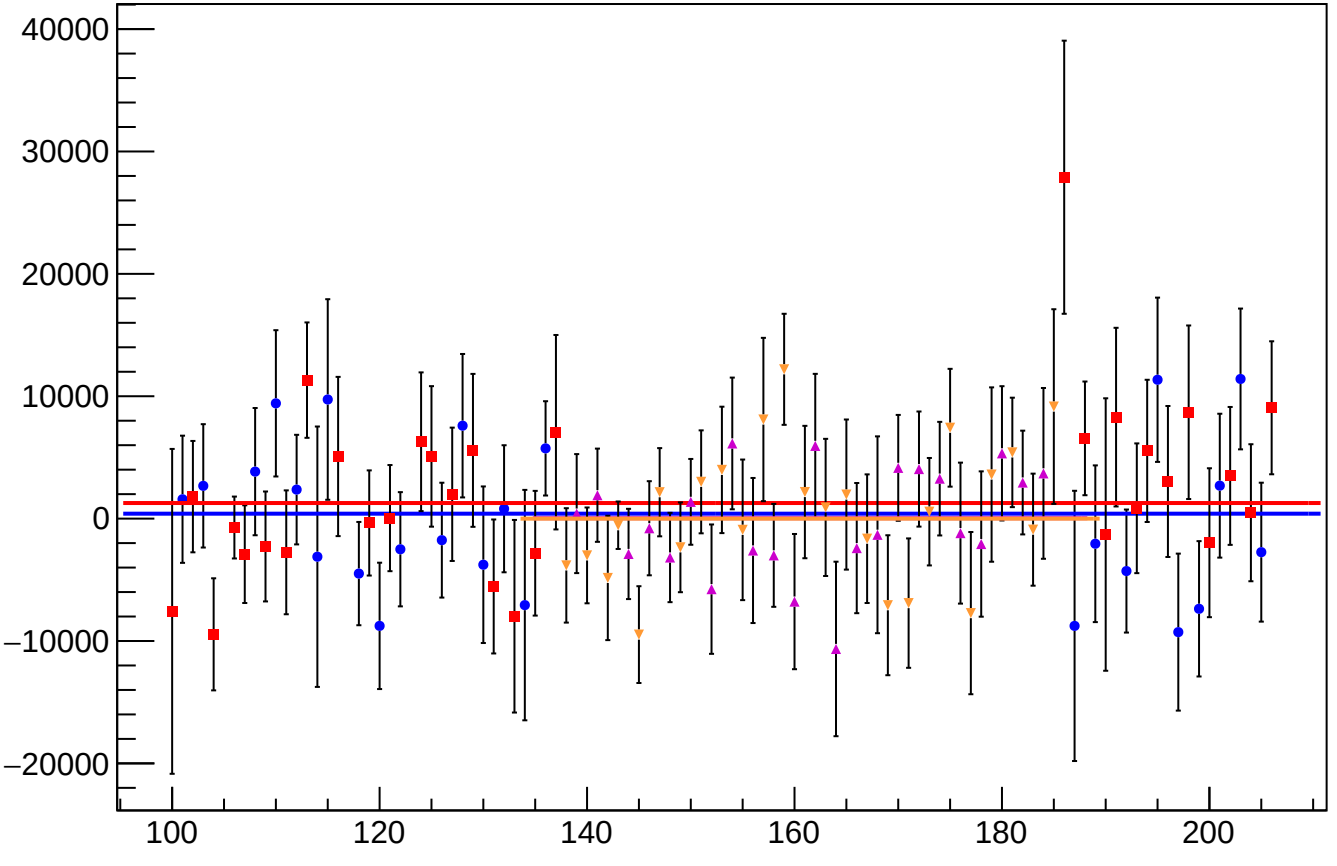
Right: 1285.504+/-0.167 χ^2/NDF: 1000347.3/55

In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

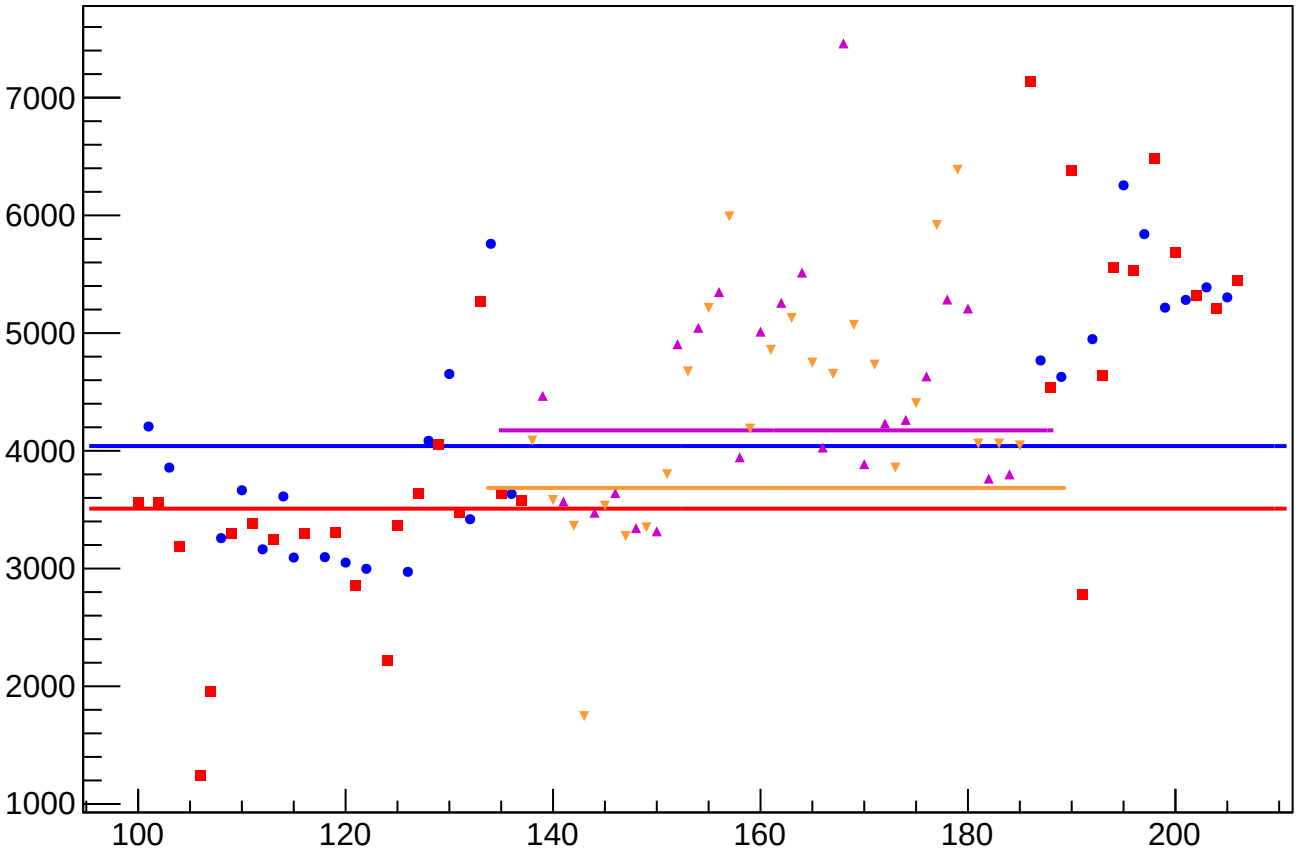
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 909.813+/-718.349 χ^2/NDF: 59.3/55

In: 197.234+/-741.186 χ^2/NDF:41.0/47

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 425.200+/-486.807 χ^2/NDF: 103.2/103



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

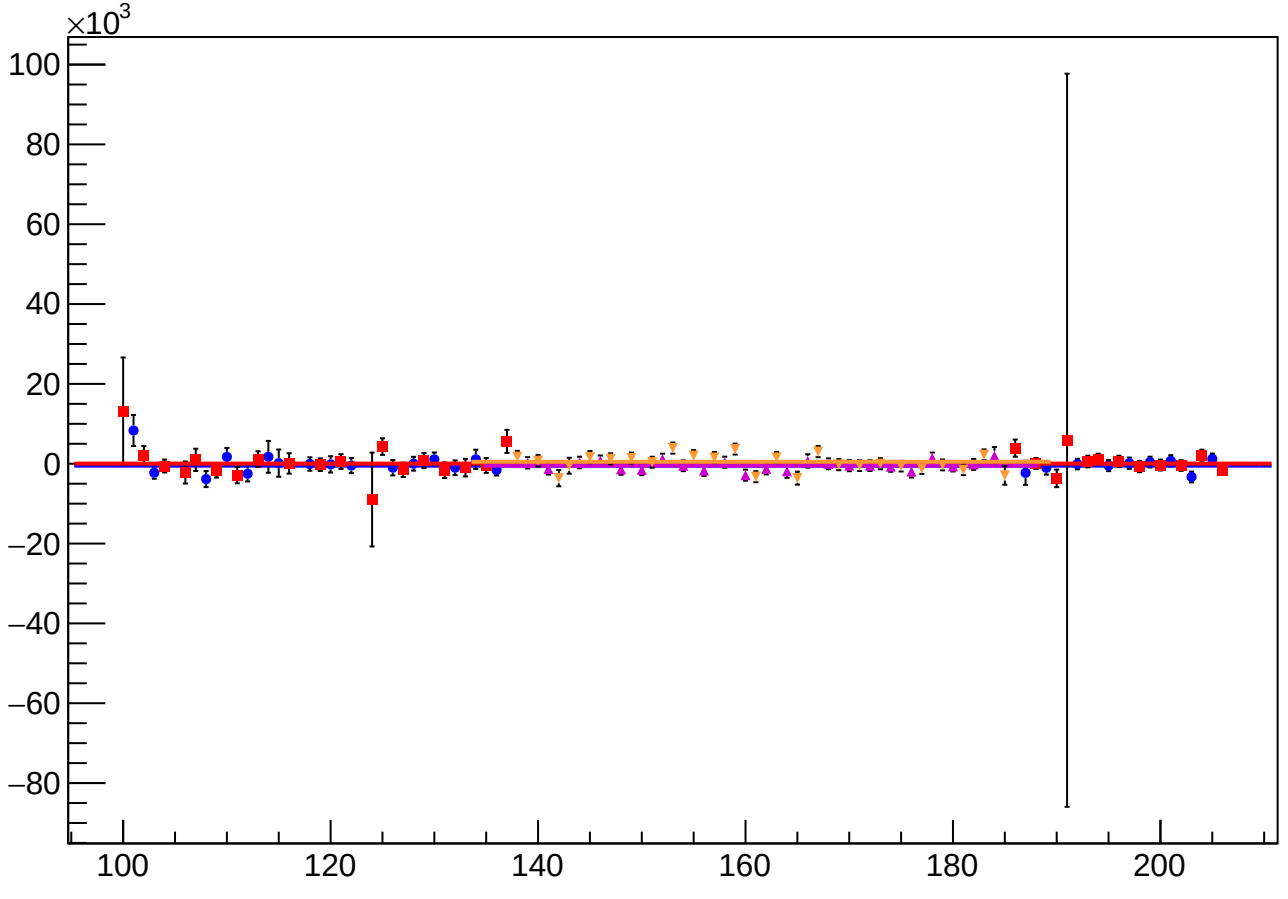
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3731.315+/-0.508 χ^2/NDF: 6277827.8/55

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

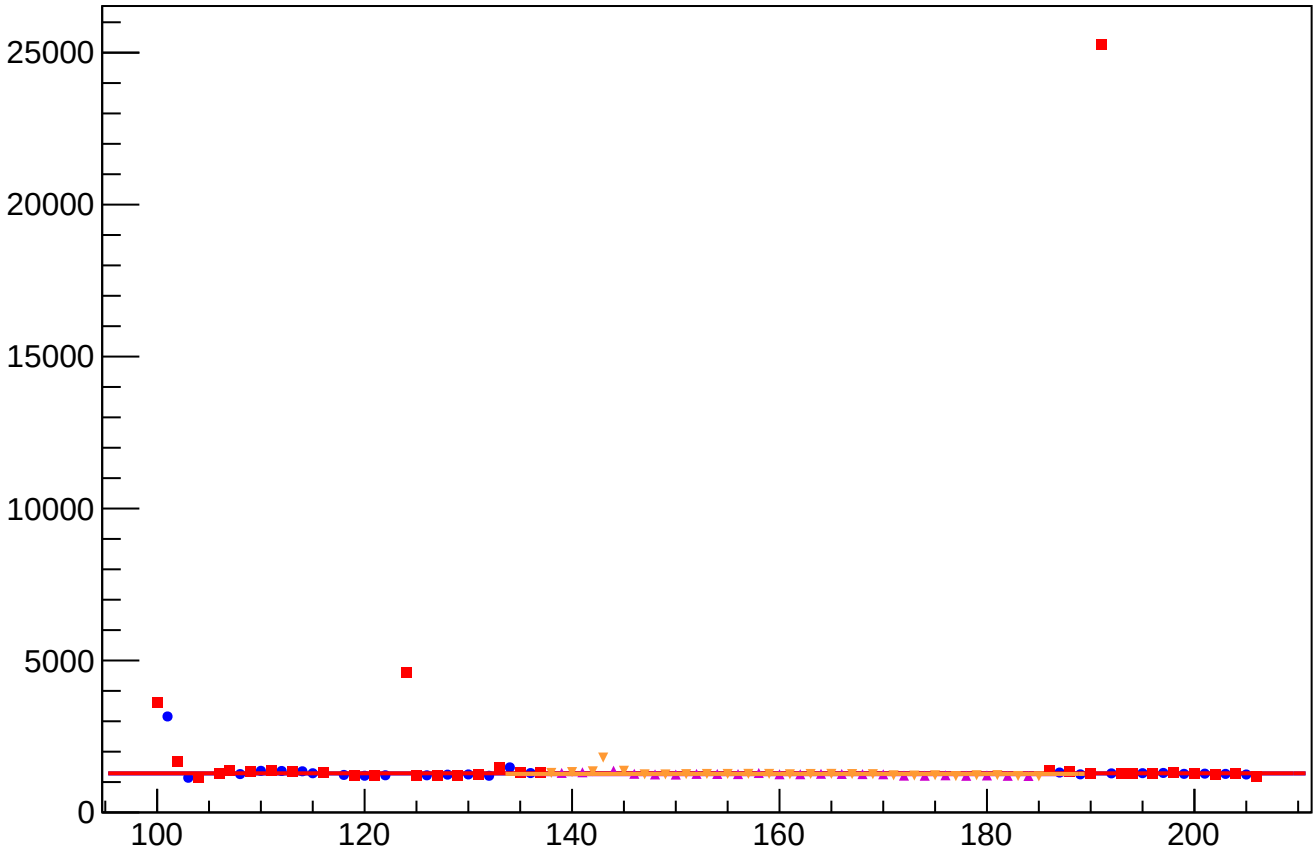
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

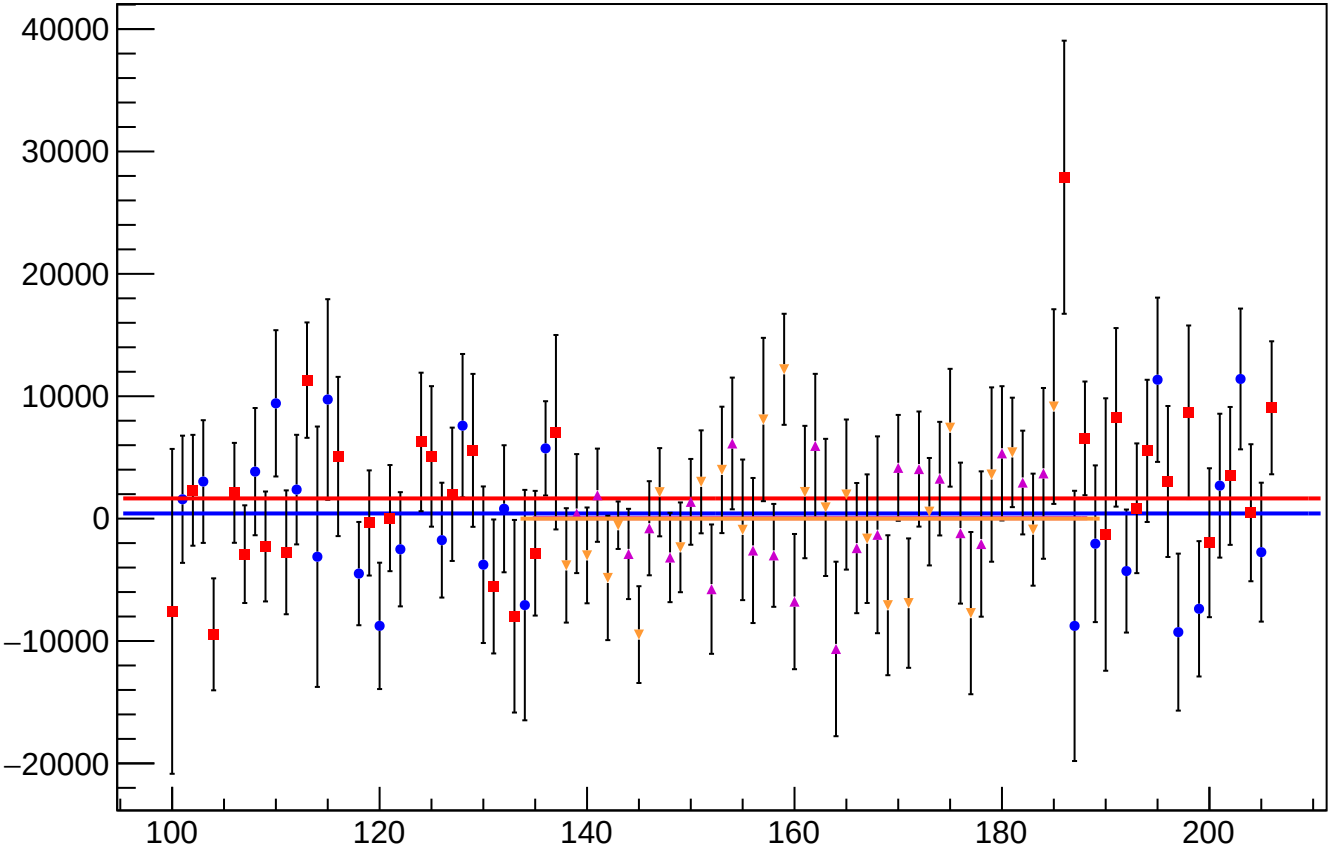
Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

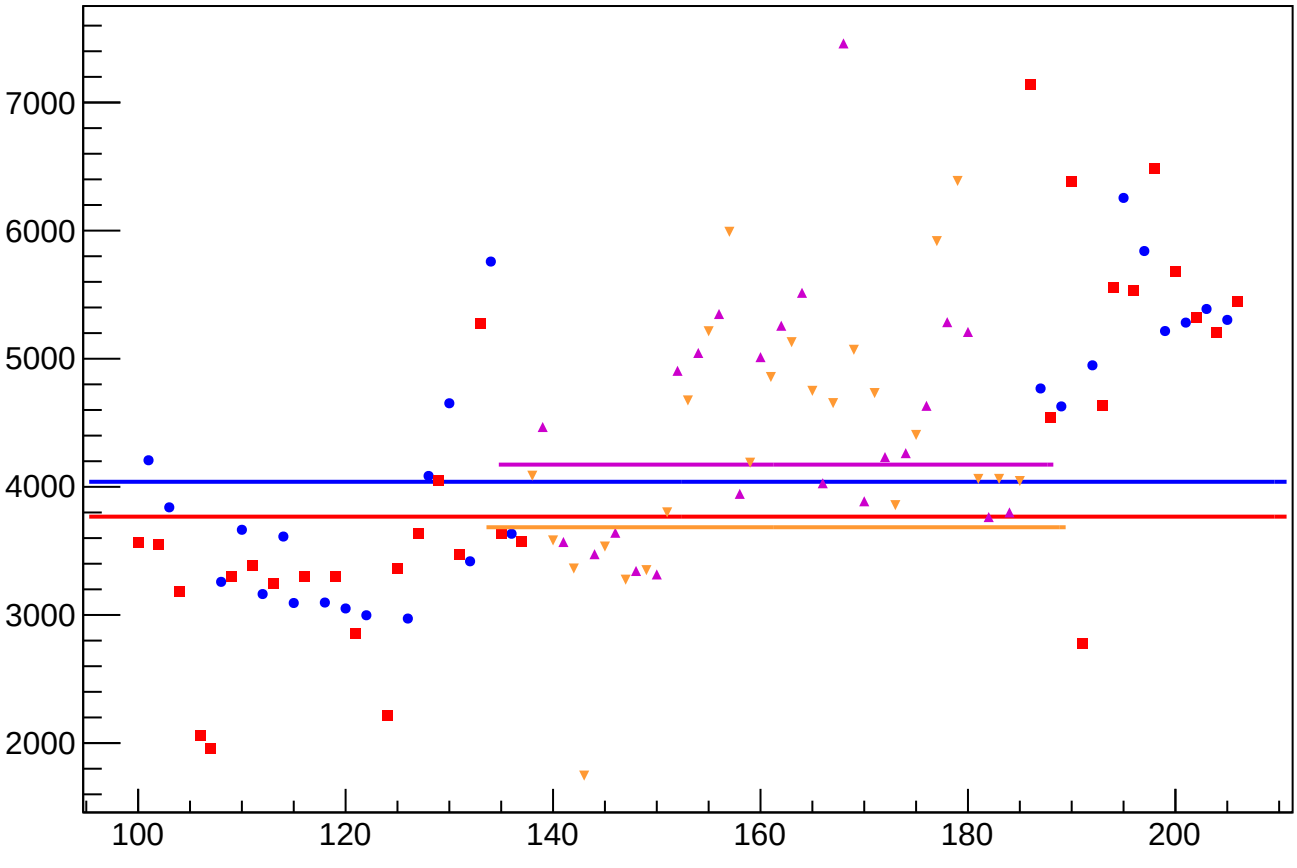
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

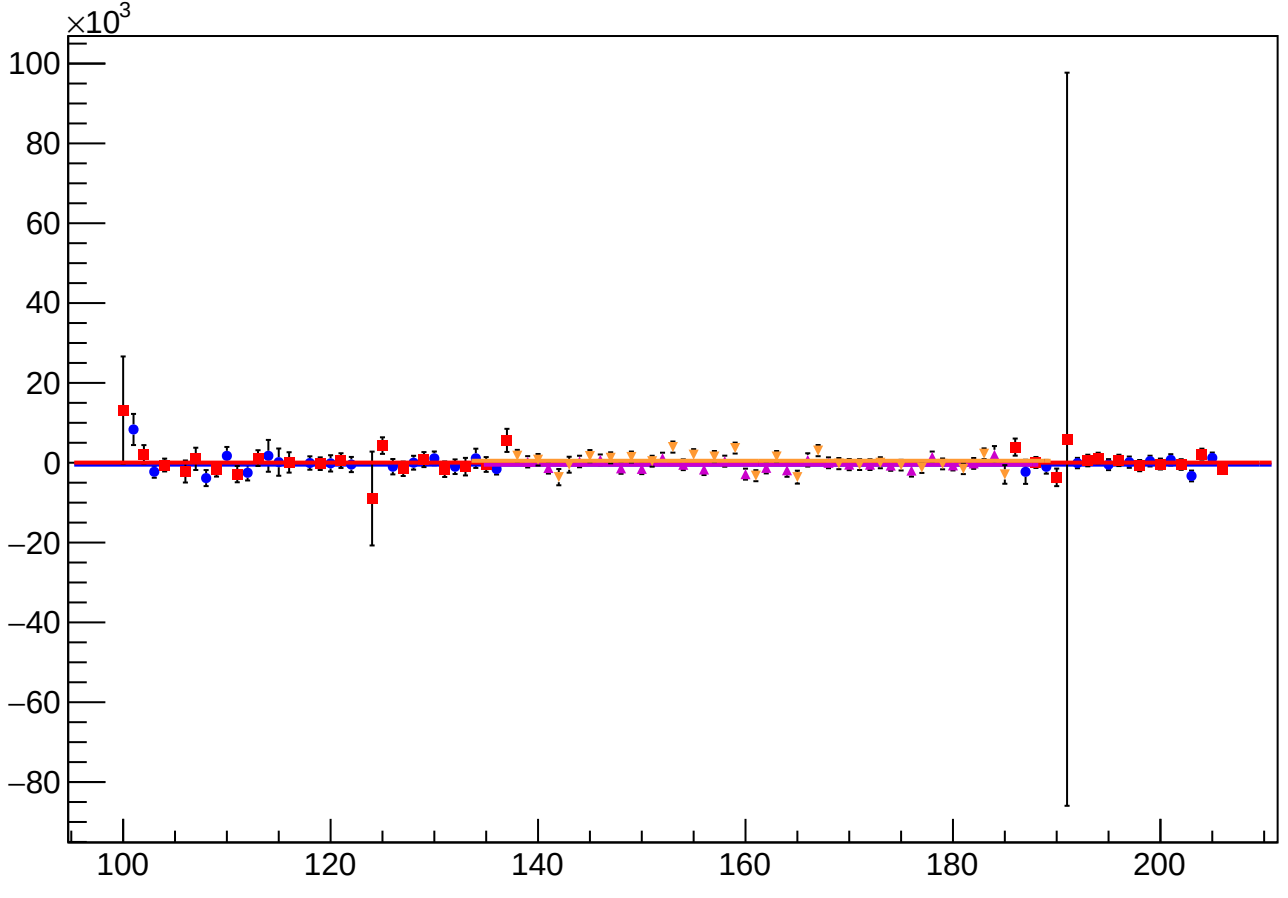
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

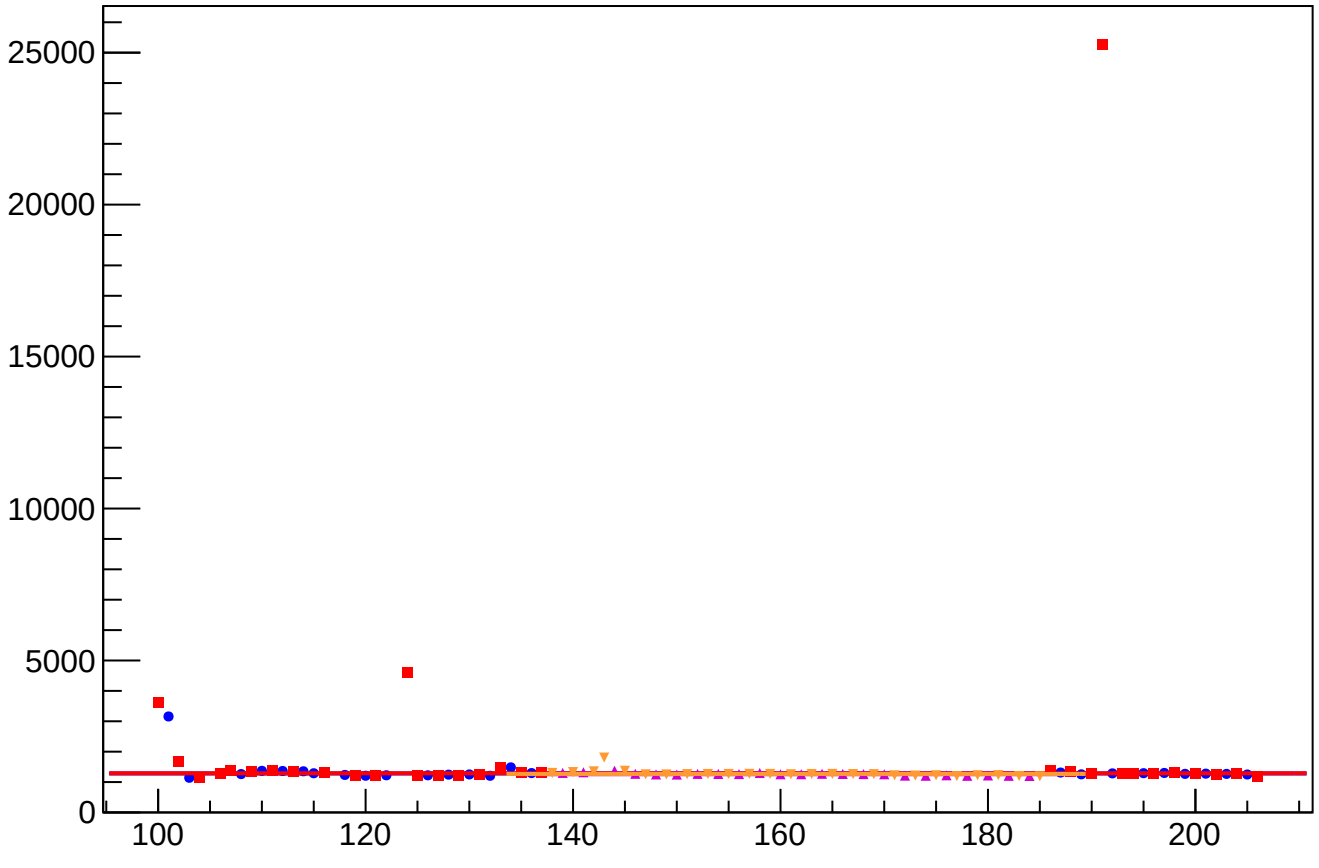
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

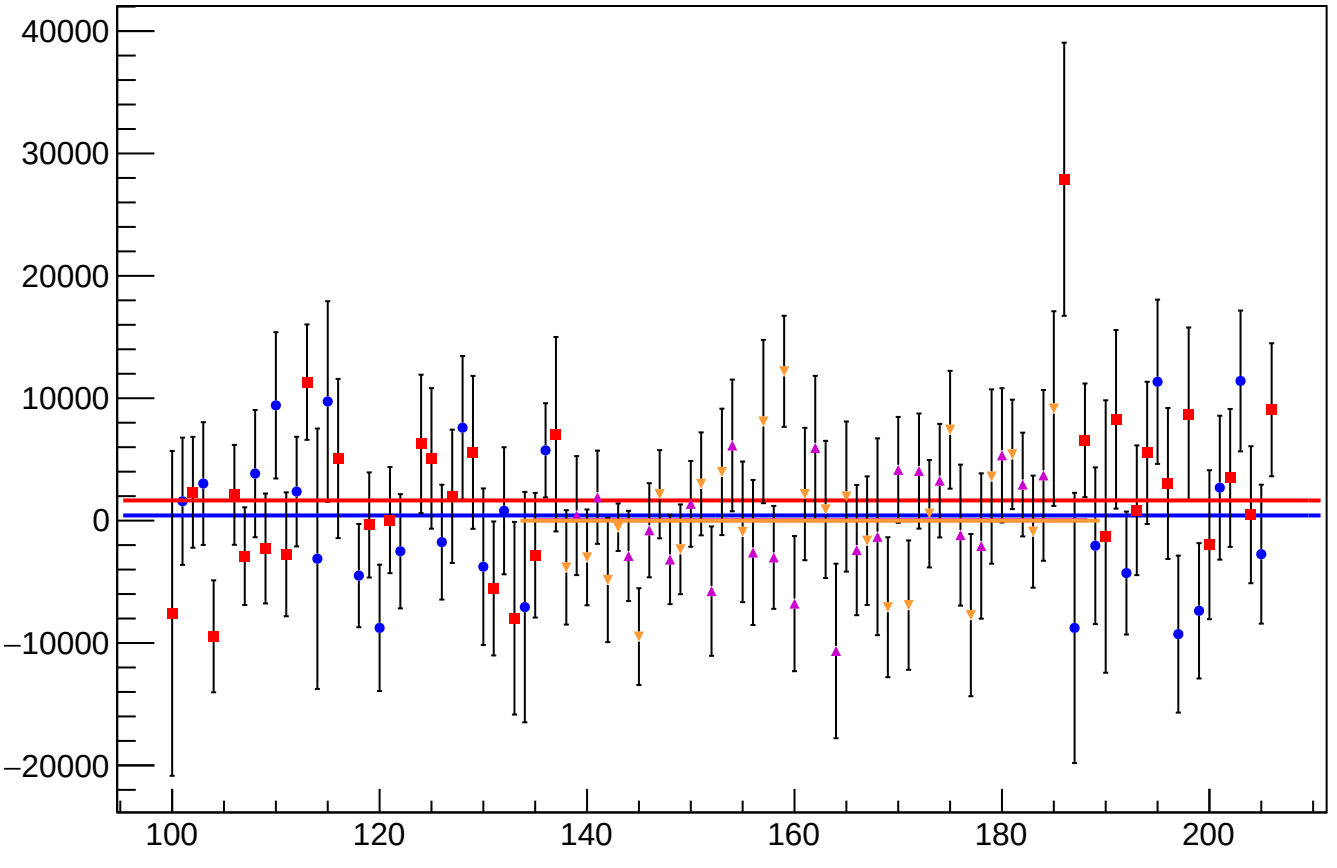
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

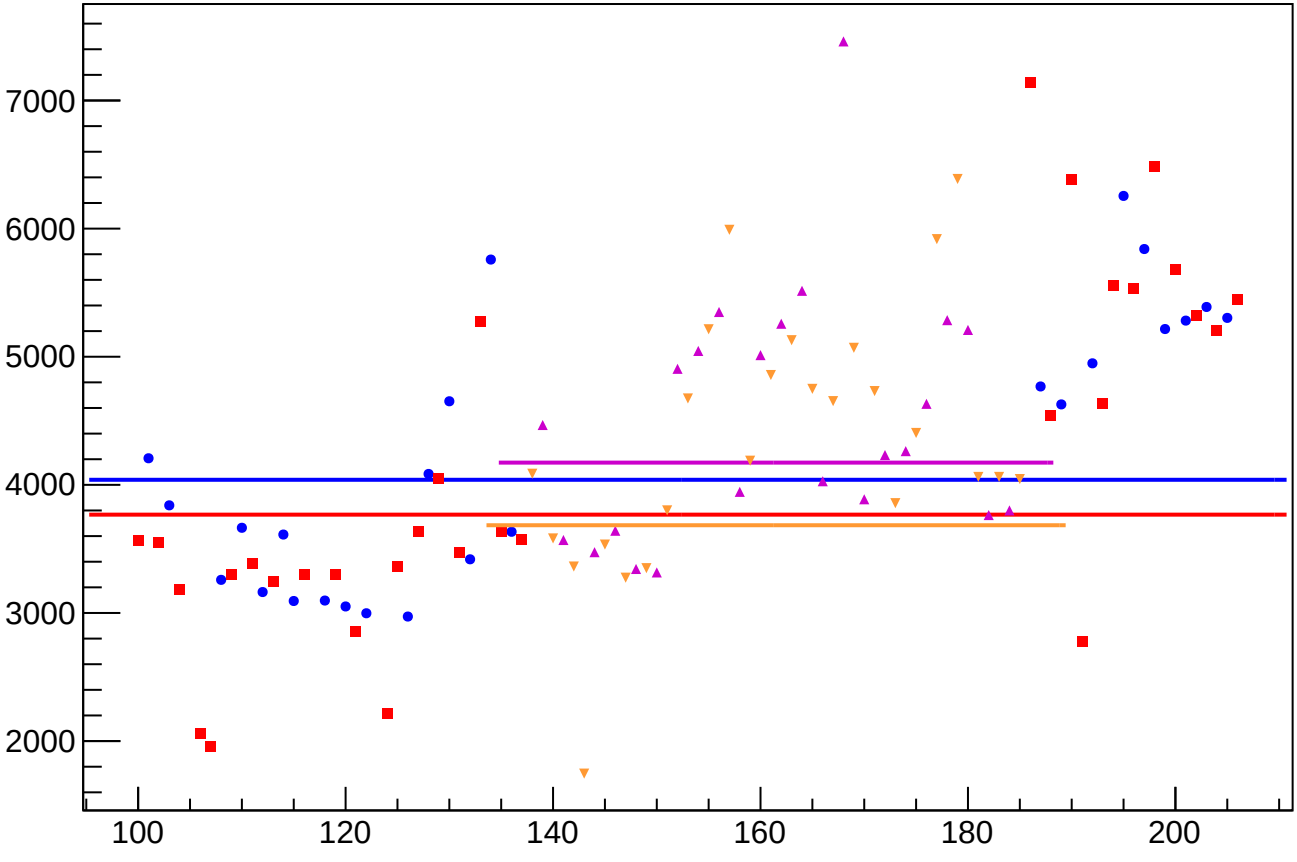
Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

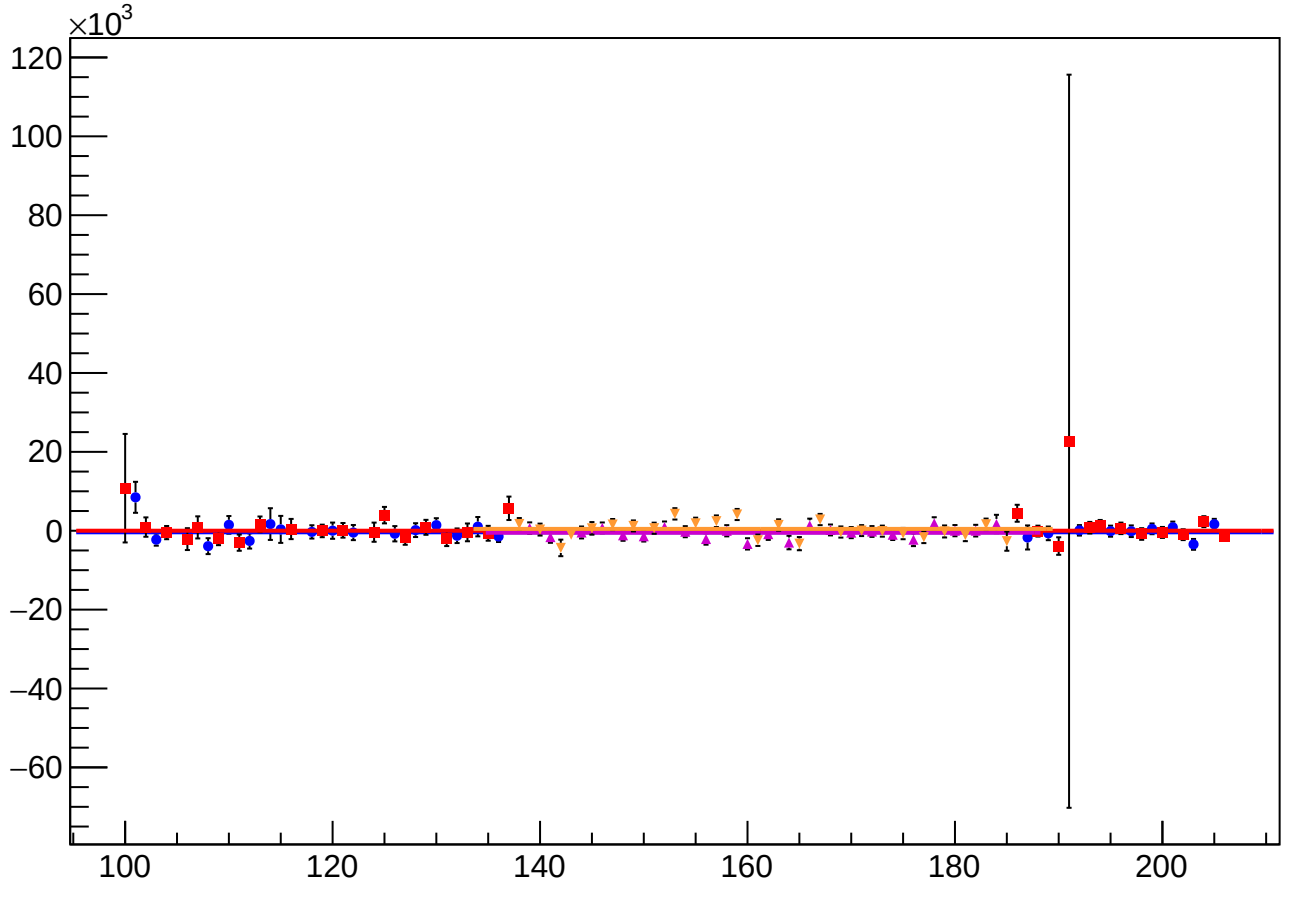
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

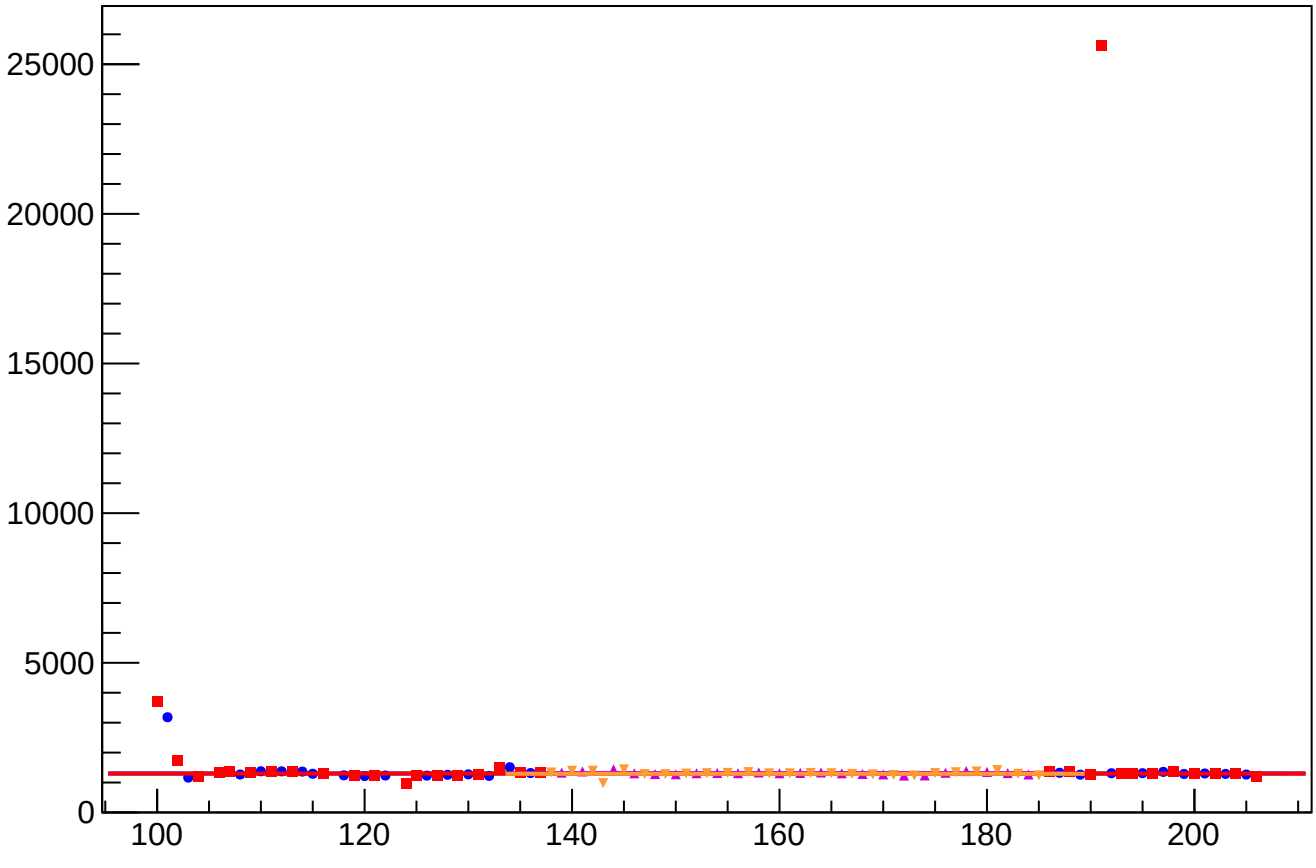
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -78.029+/-158.729 χ^2/NDF: 119.9/103



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

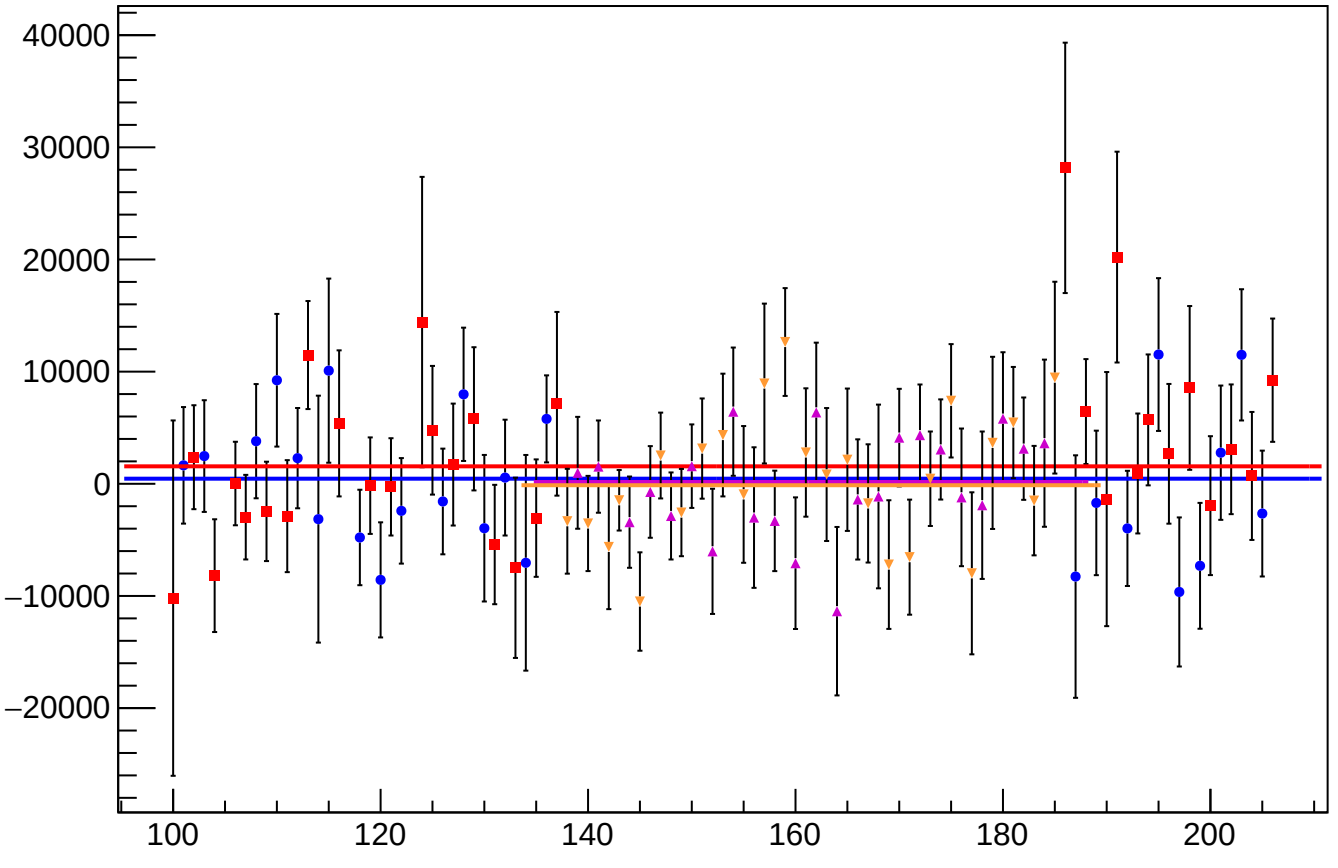
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1300.868+/-0.169 χ^2/NDF: 894313.7/55

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

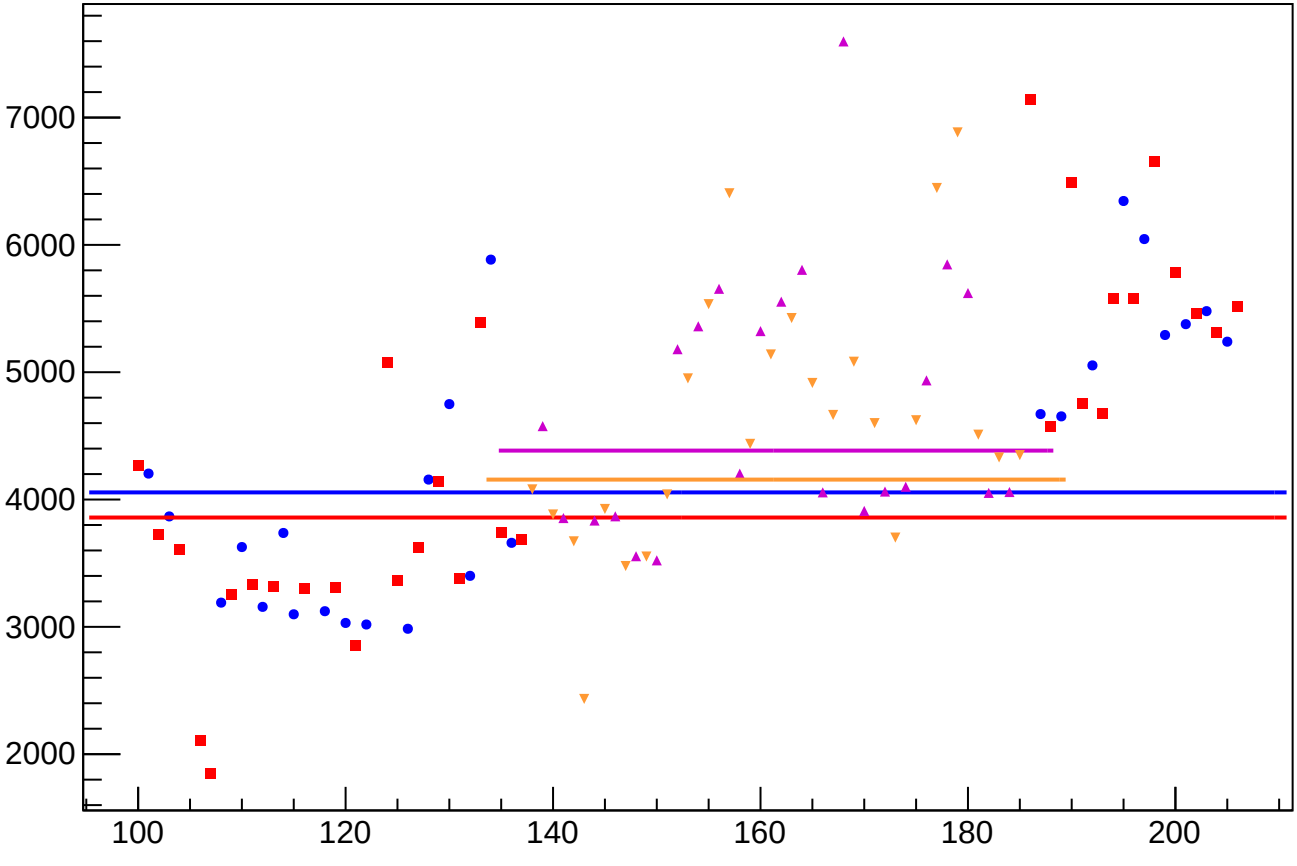
Right: 1065.185+/-745.575 χ^2/NDF: 60.2/55

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.854+/-515.647 χ^2/NDF: 103.7/103

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

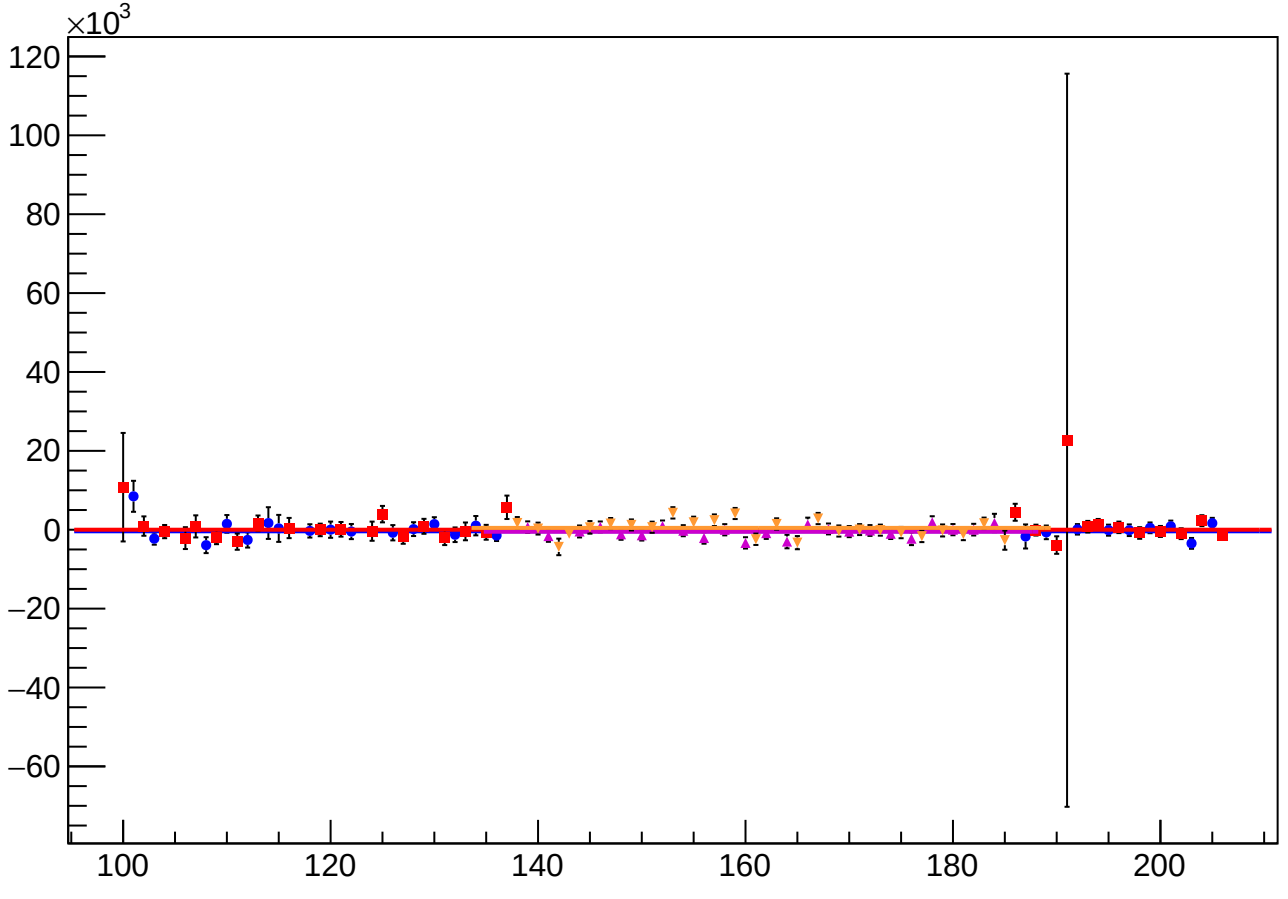
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3946.756+/-0.527 χ^2/NDF: 4706225.9/55

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

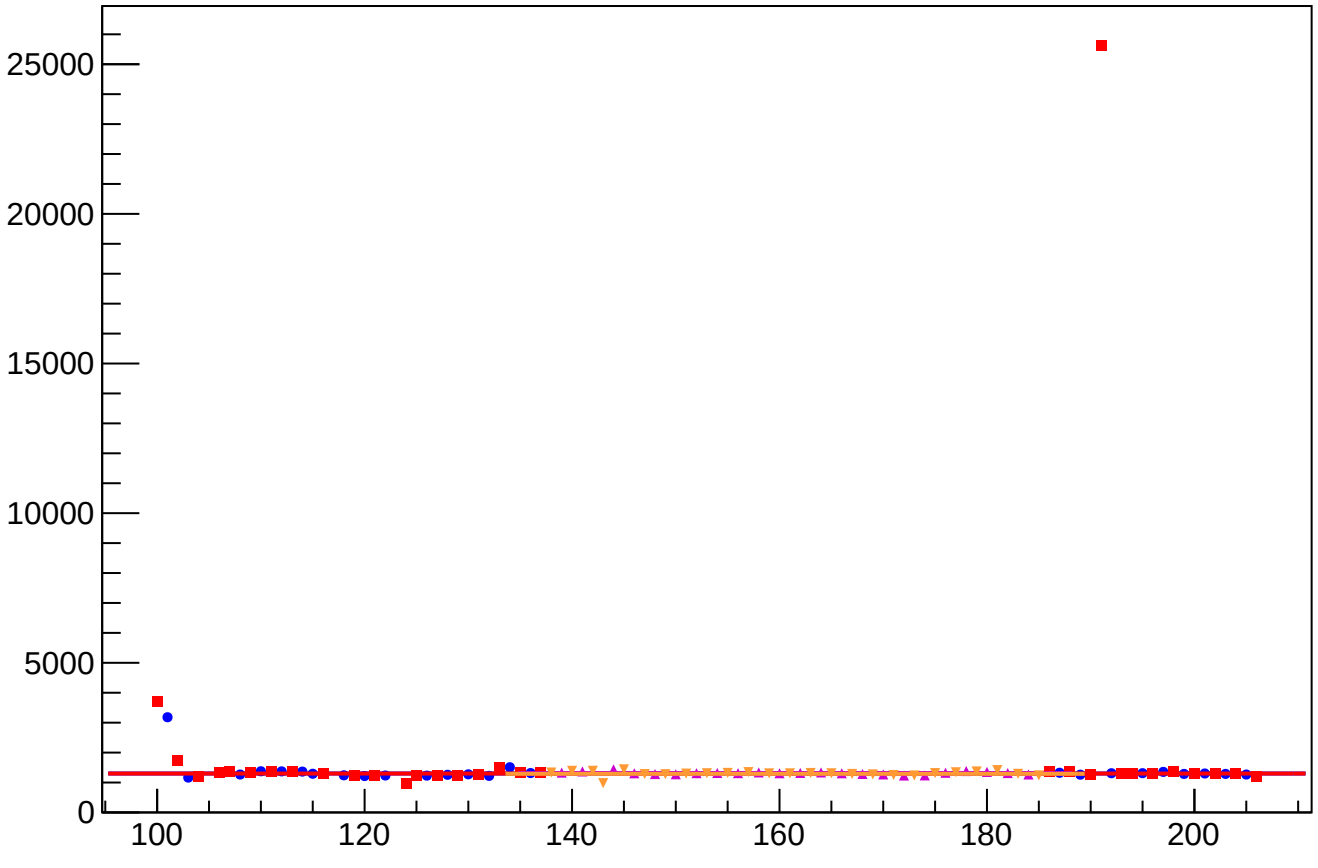
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -78.028+/-158.730 χ^2/NDF: 119.9/103



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

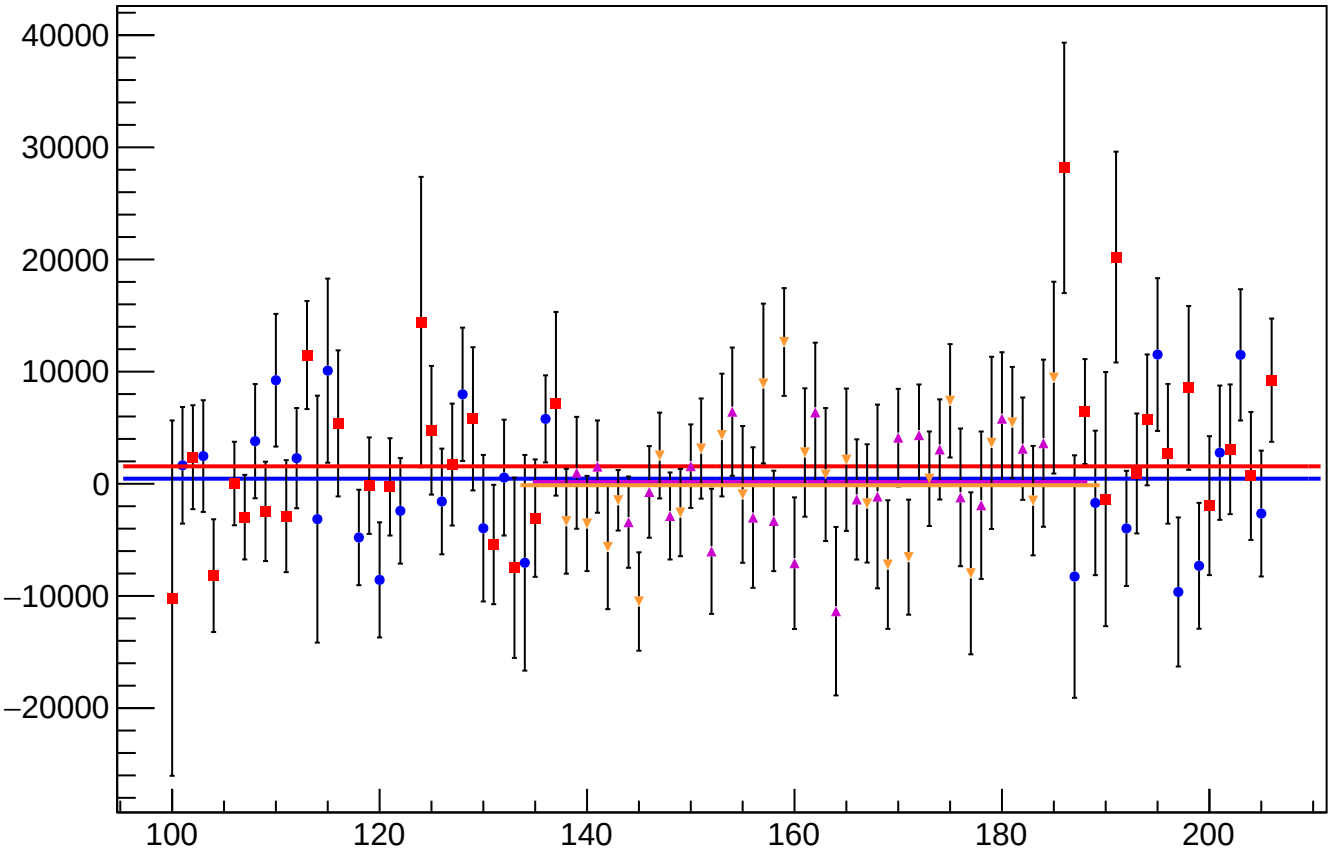
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1300.868+/-0.169 χ^2/NDF: 894314.0/55

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

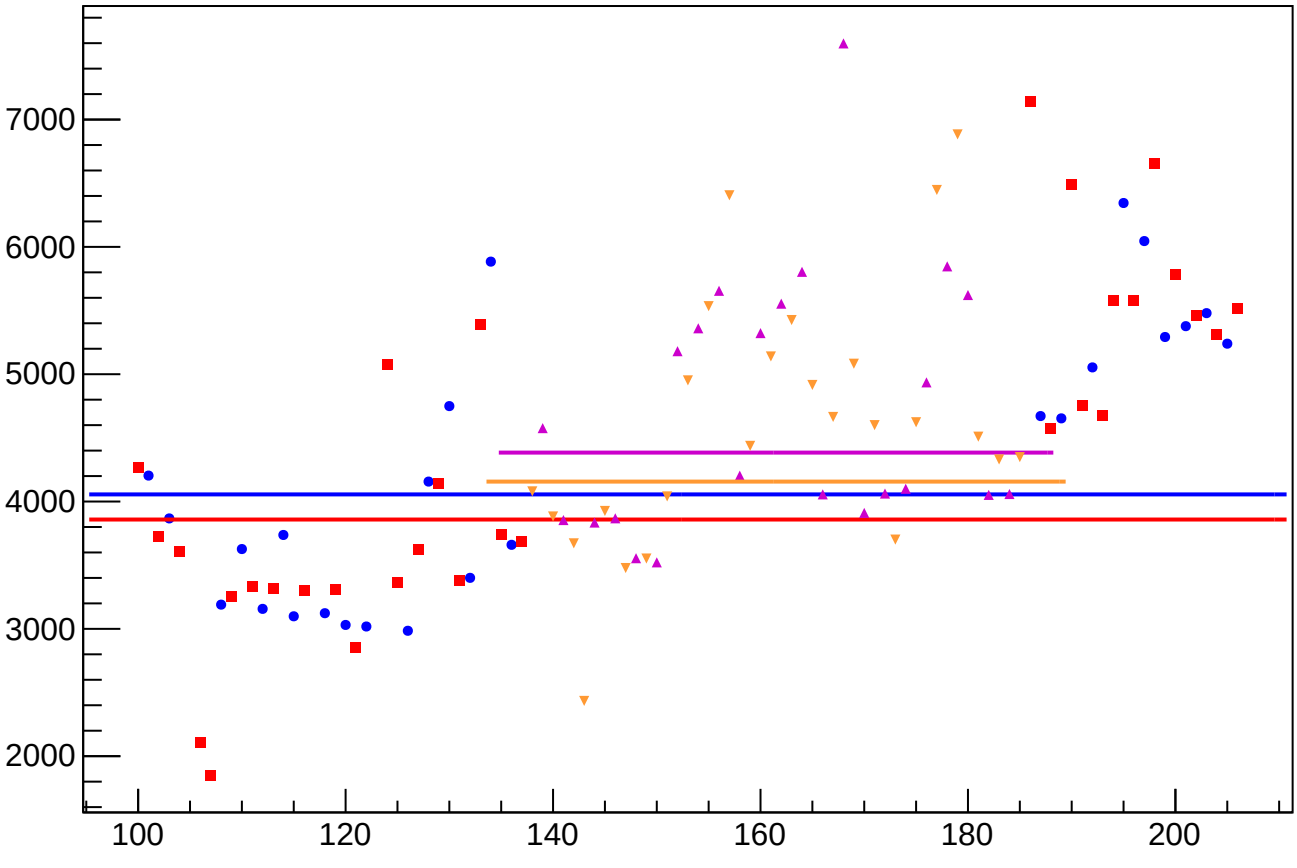
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

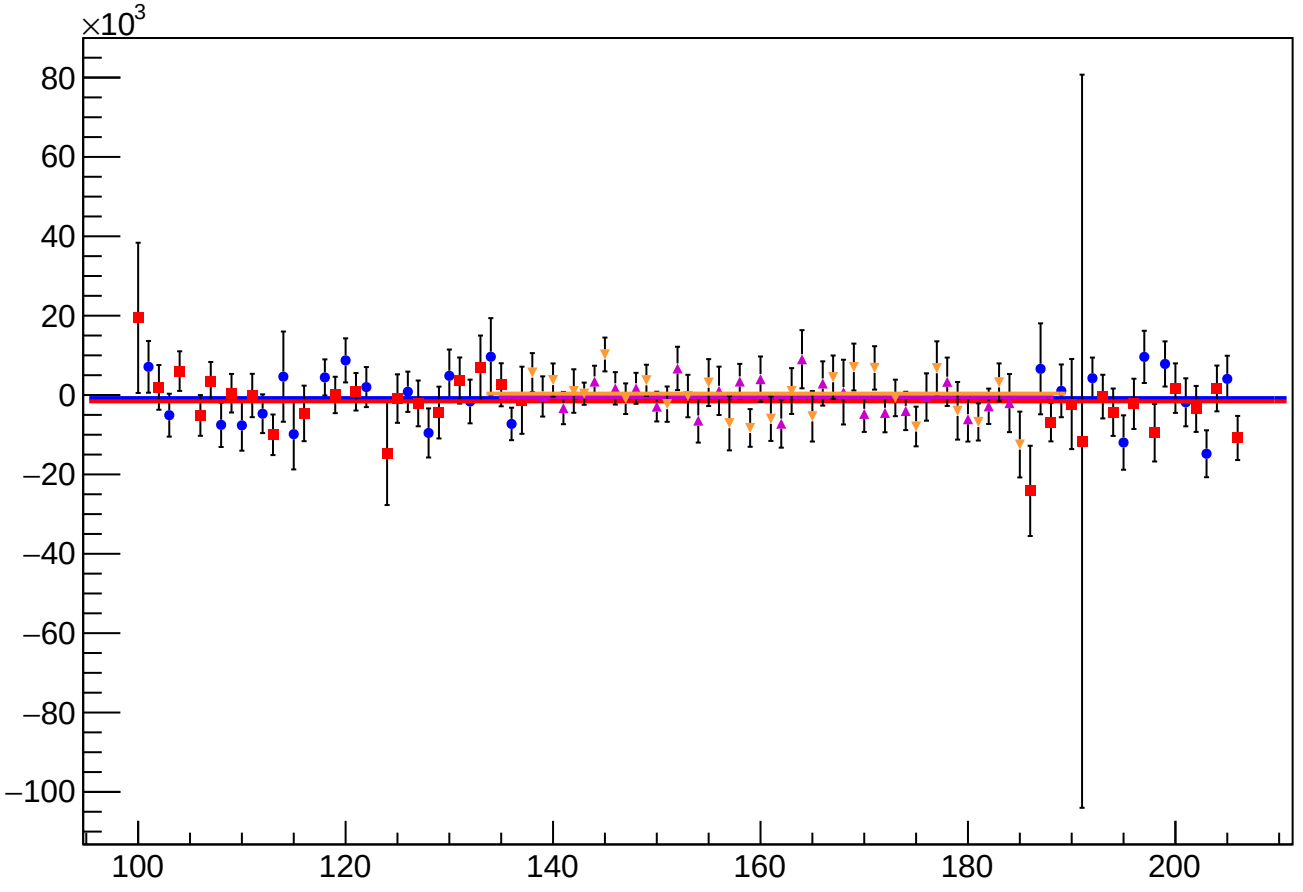
Right: 1065.177+/-745.574 χ^2/NDF: 60.2/55

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.853+/-515.647 χ^2/NDF: 103.7/103


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4056.008+/-0.789 χ²/NDF: 1613807.7/24
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3858.666+/-0.709 χ²/NDF: 3057847.1/30
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3946.750+/-0.527 χ²/NDF: 4706280.5/55
In: 4230.860+/-0.540 χ²/NDF:2961475.1/47
Out: 4011.357+/-0.495 χ²/NDF:5229230.8/55
All: 4111.614+/-0.365 χ²/NDF: 8280631.4/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

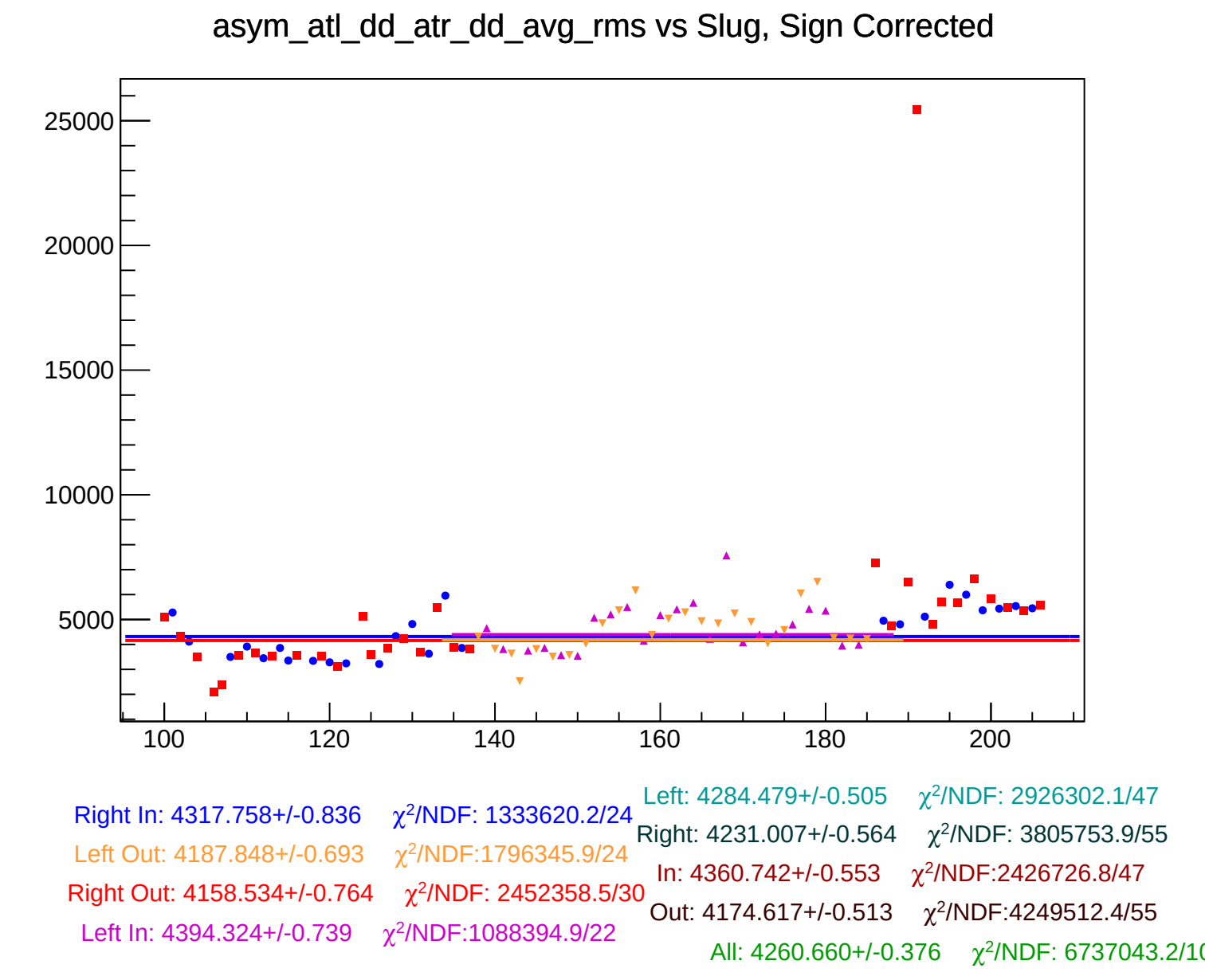
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

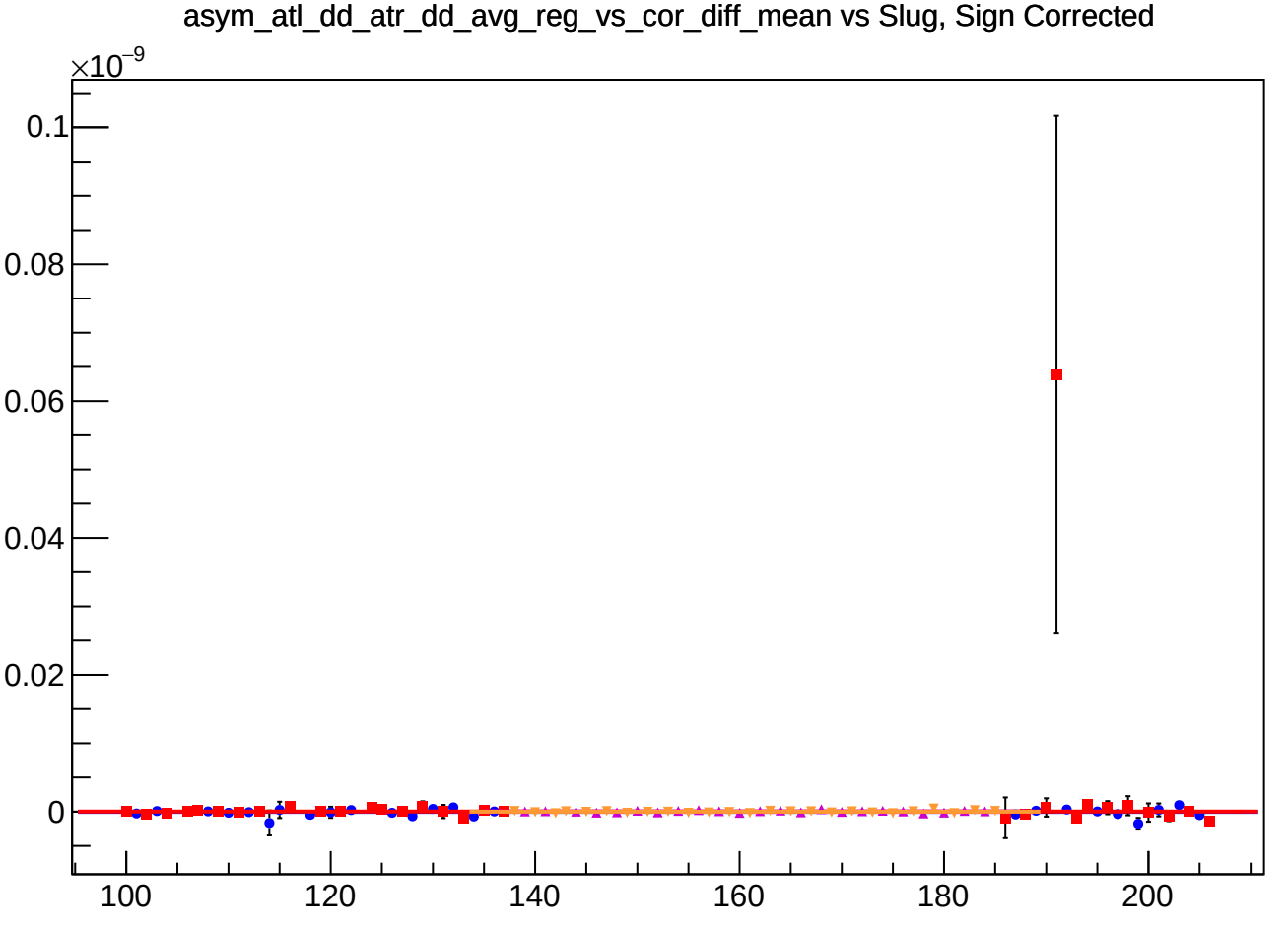
Right: -1213.190+/-801.395 χ^2/NDF: 56.0/55

In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -559.708+/-533.393 χ^2/NDF: 99.0/103


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4317.758+/-0.836 χ²/NDF: 1333620.2/24
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4158.534+/-0.764 χ²/NDF: 2452358.5/30
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4231.007+/-0.564 χ²/NDF: 3805753.9/55
In: 4360.742+/-0.553 χ²/NDF:2426726.8/47
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4260.660+/-0.376 χ²/NDF: 6737043.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

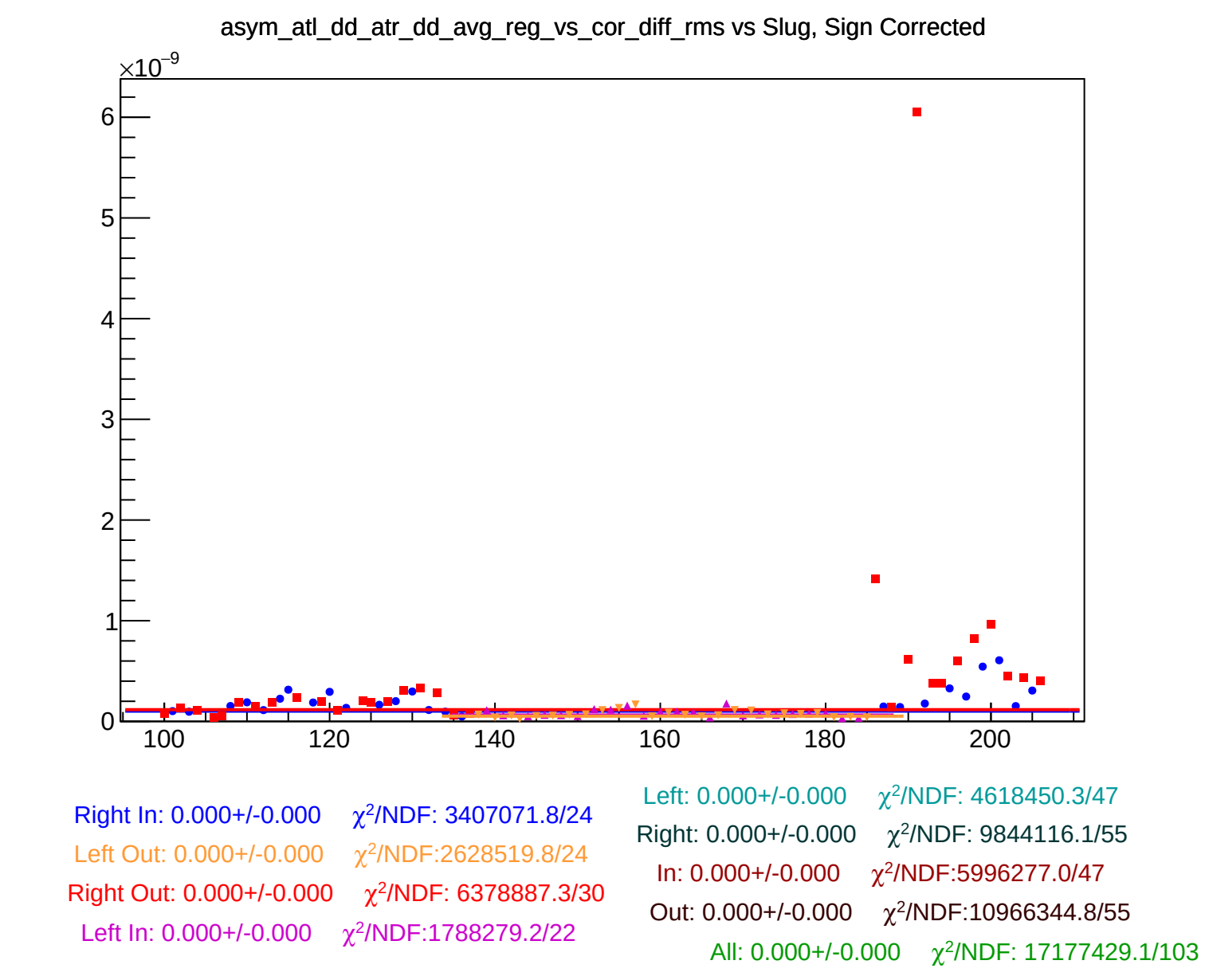
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 61.9/55

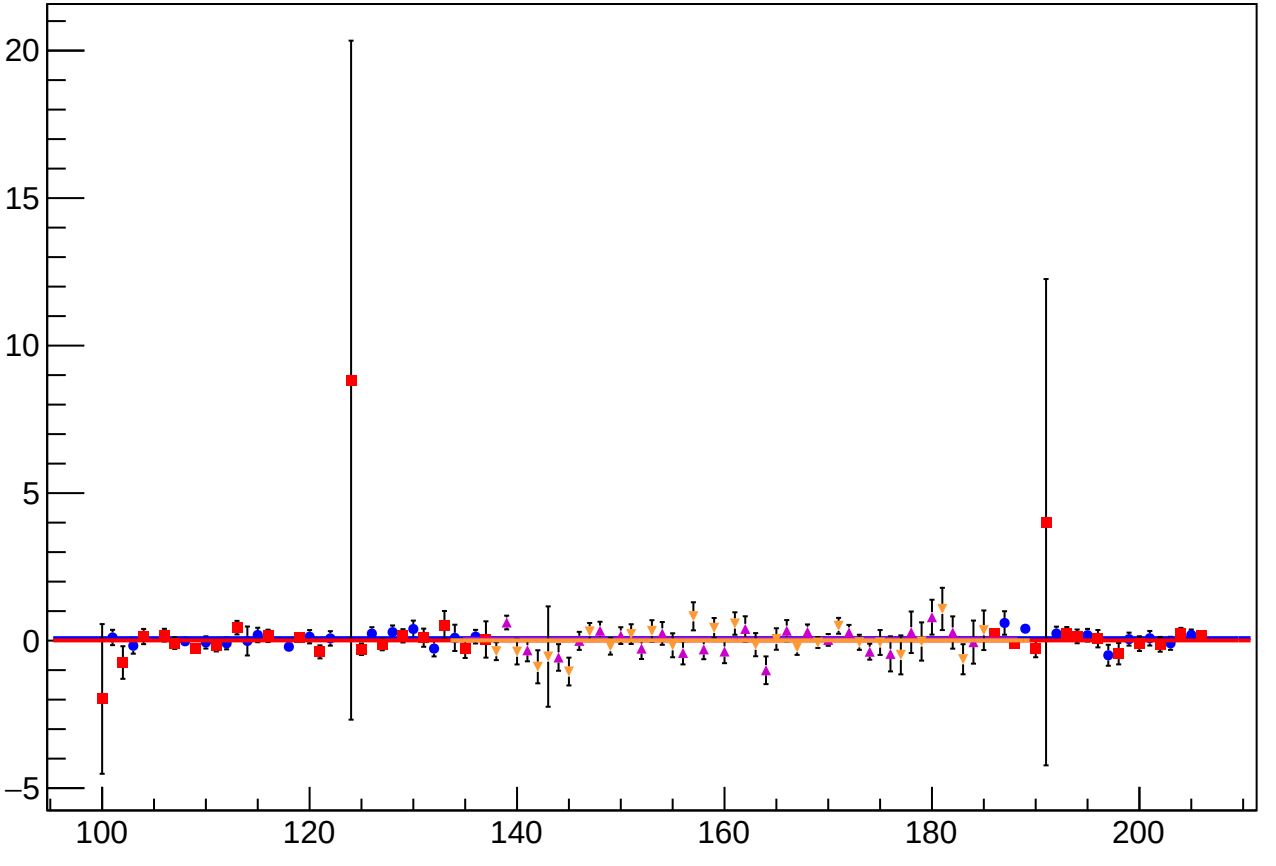
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 110.1/103


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 9844116.1/55
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17177429.1/103

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

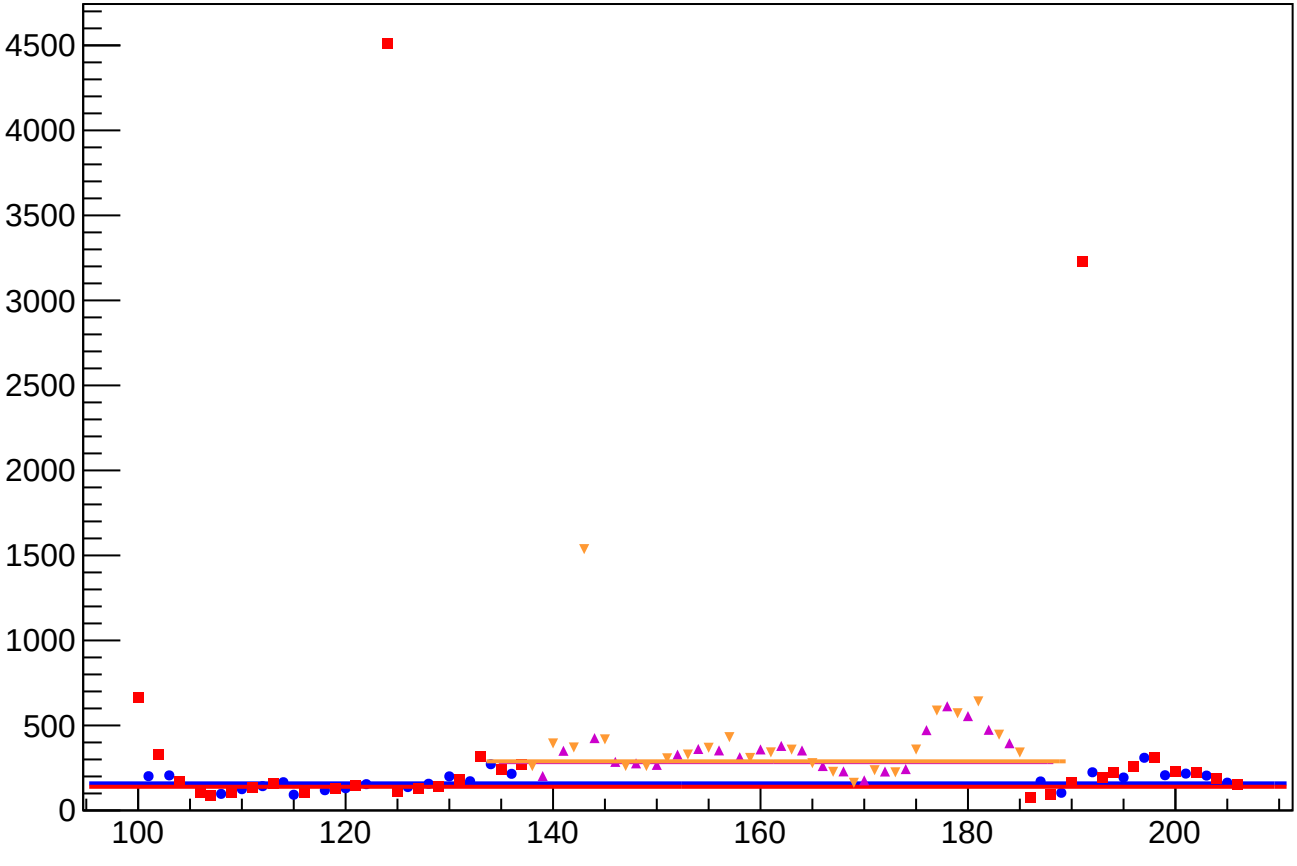
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

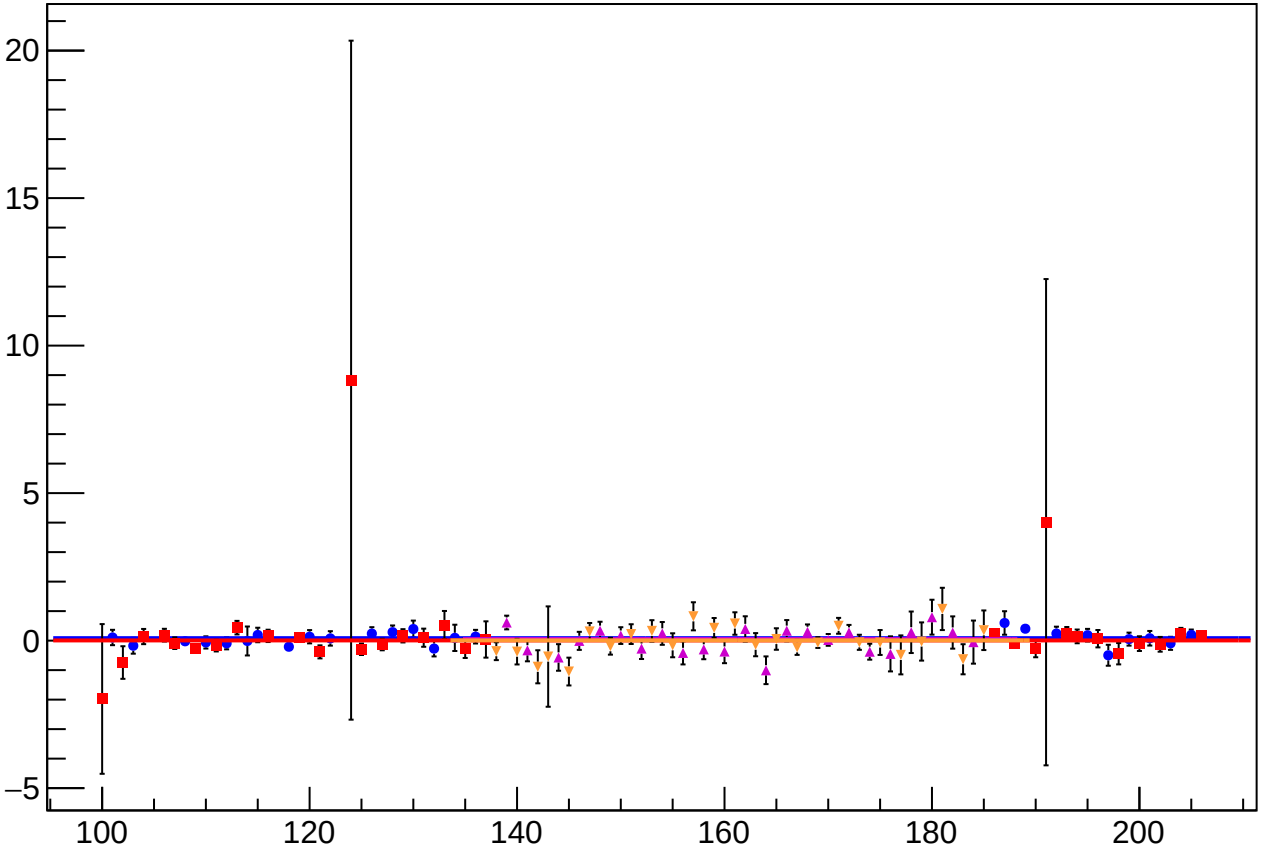
Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

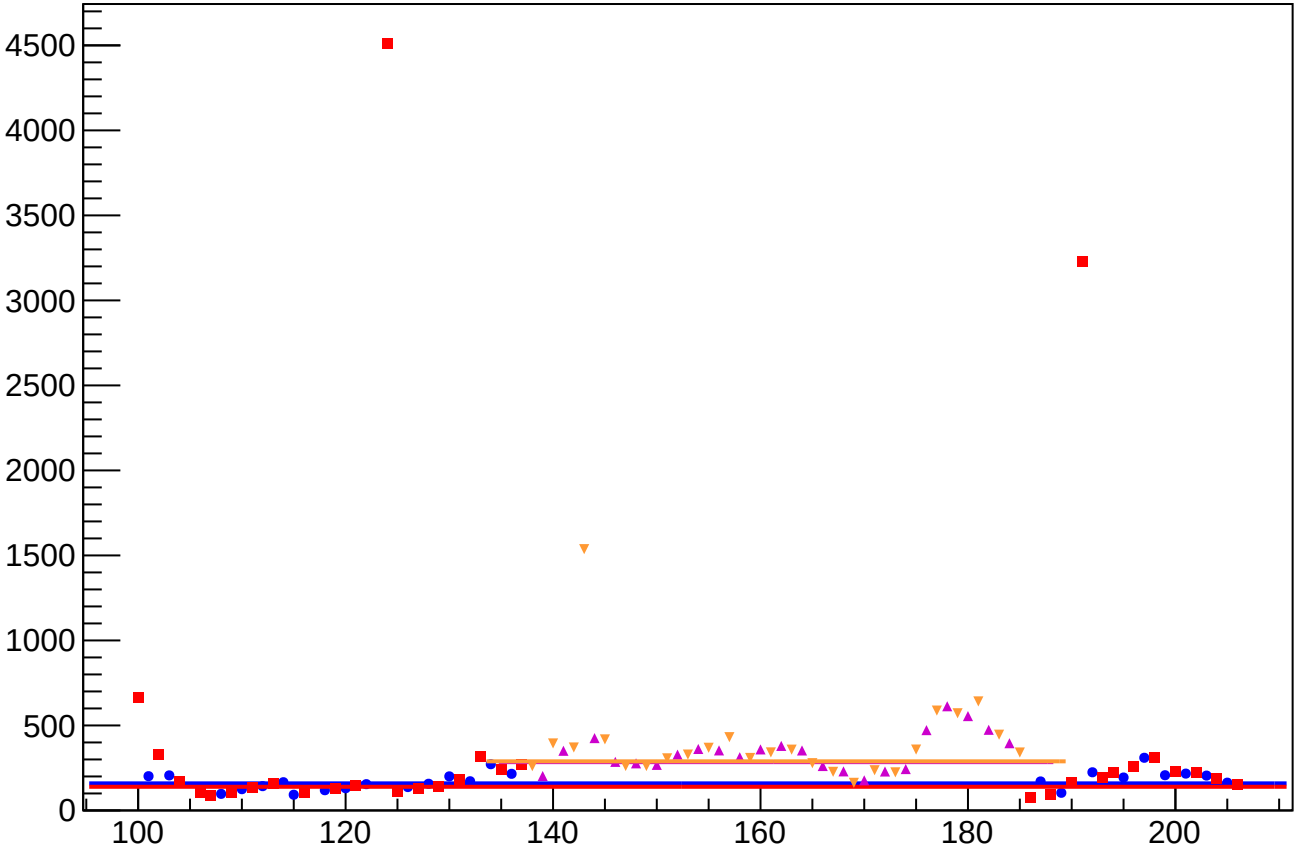
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

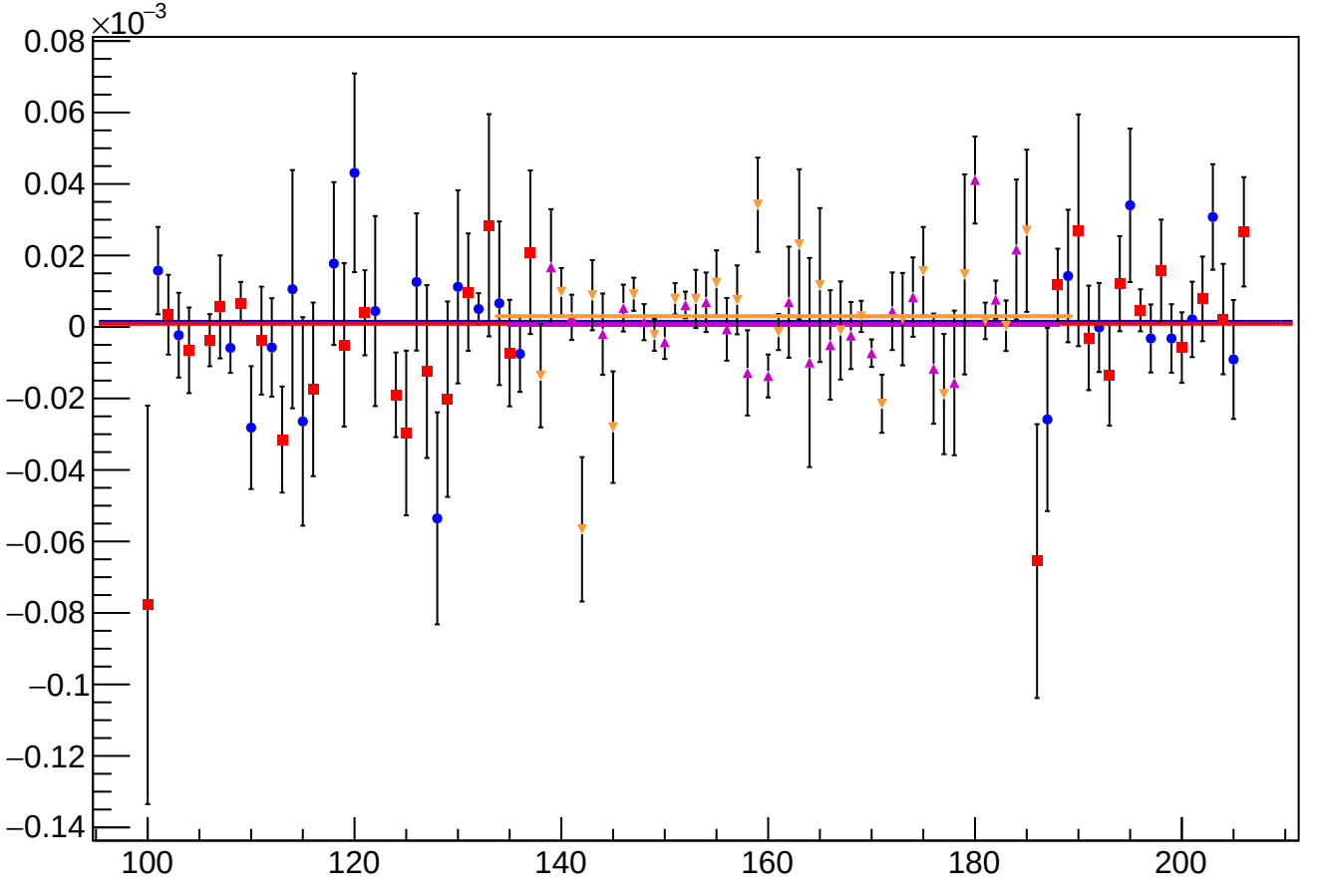
Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

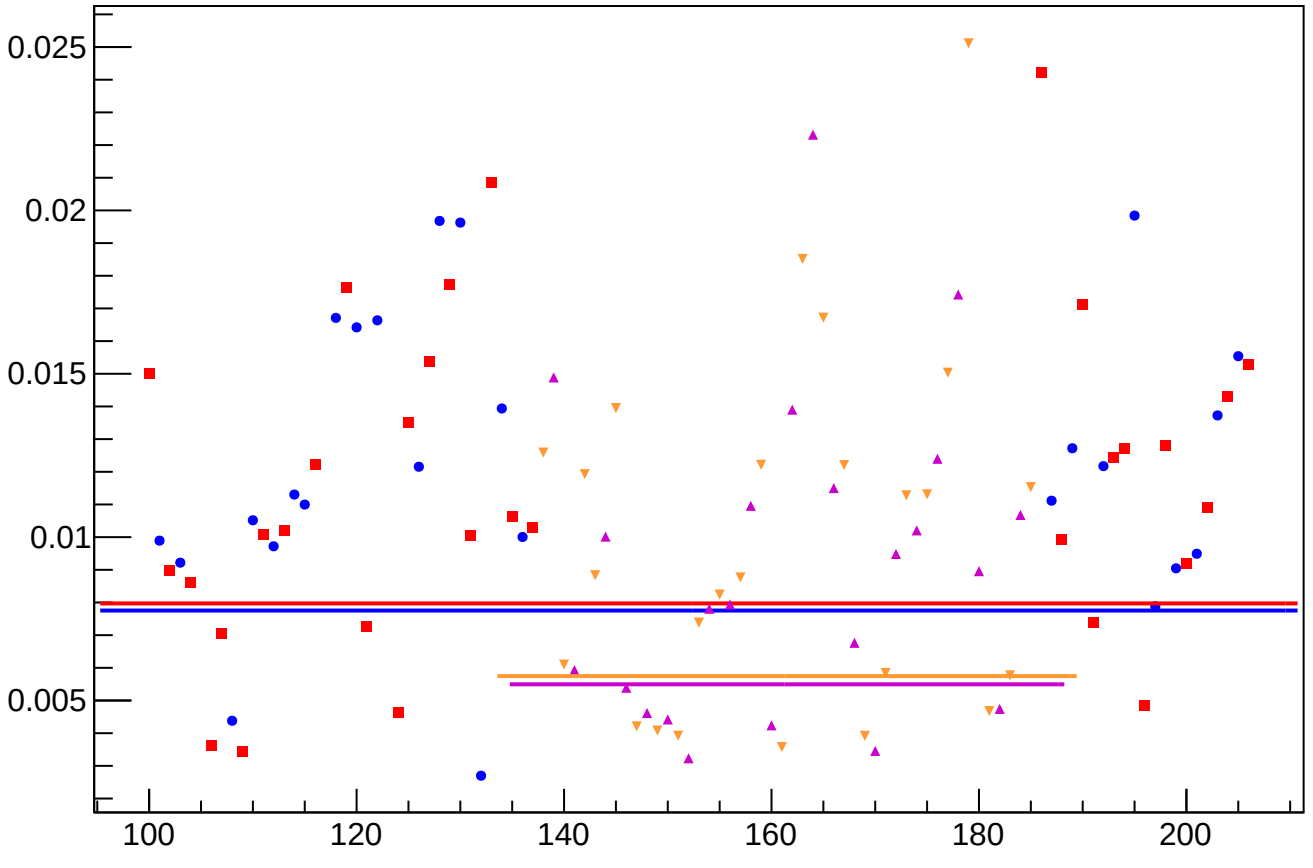
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 52.5/55

In: 0.000+/-0.000 χ^2/NDF:56.9/47

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.3/103



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

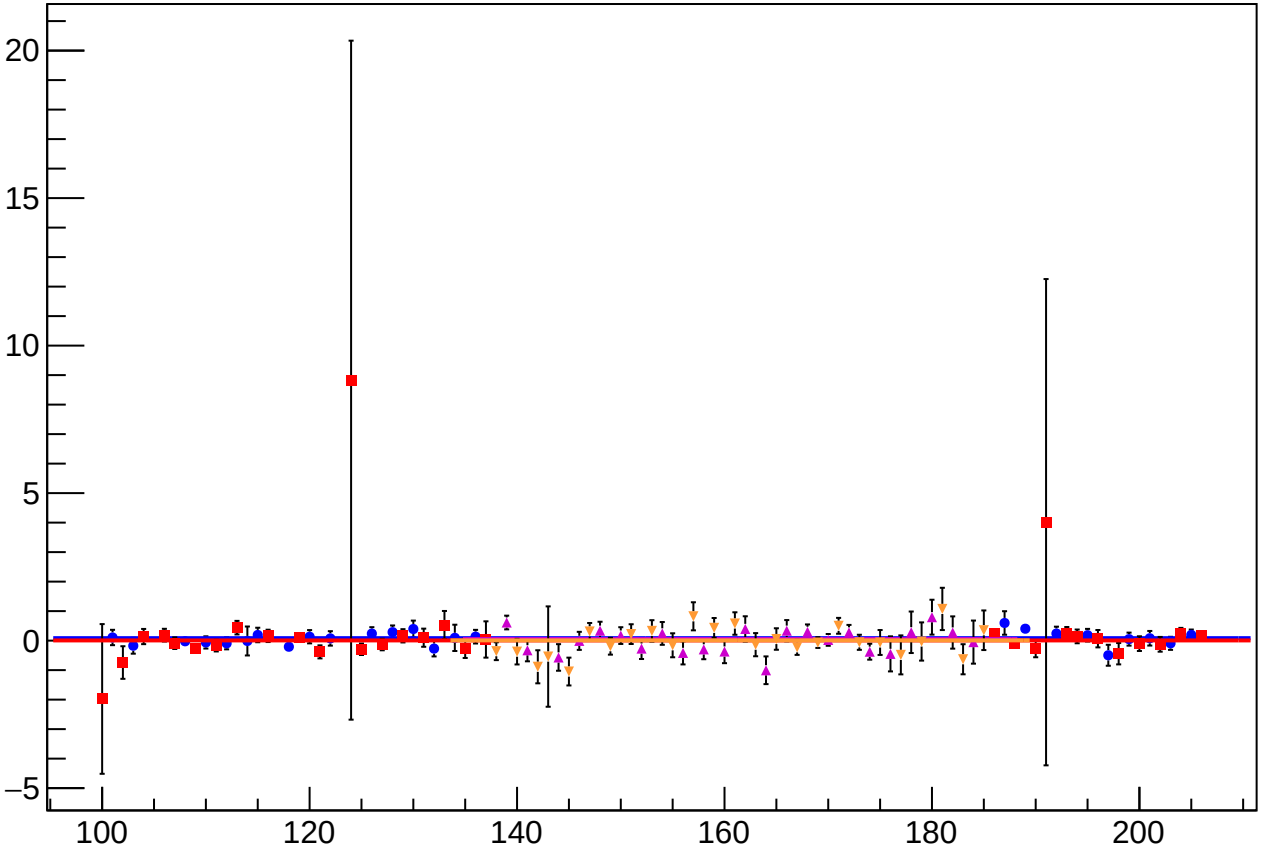
Right: 0.008+/-0.000 χ^2/NDF: 13434792.5/55

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

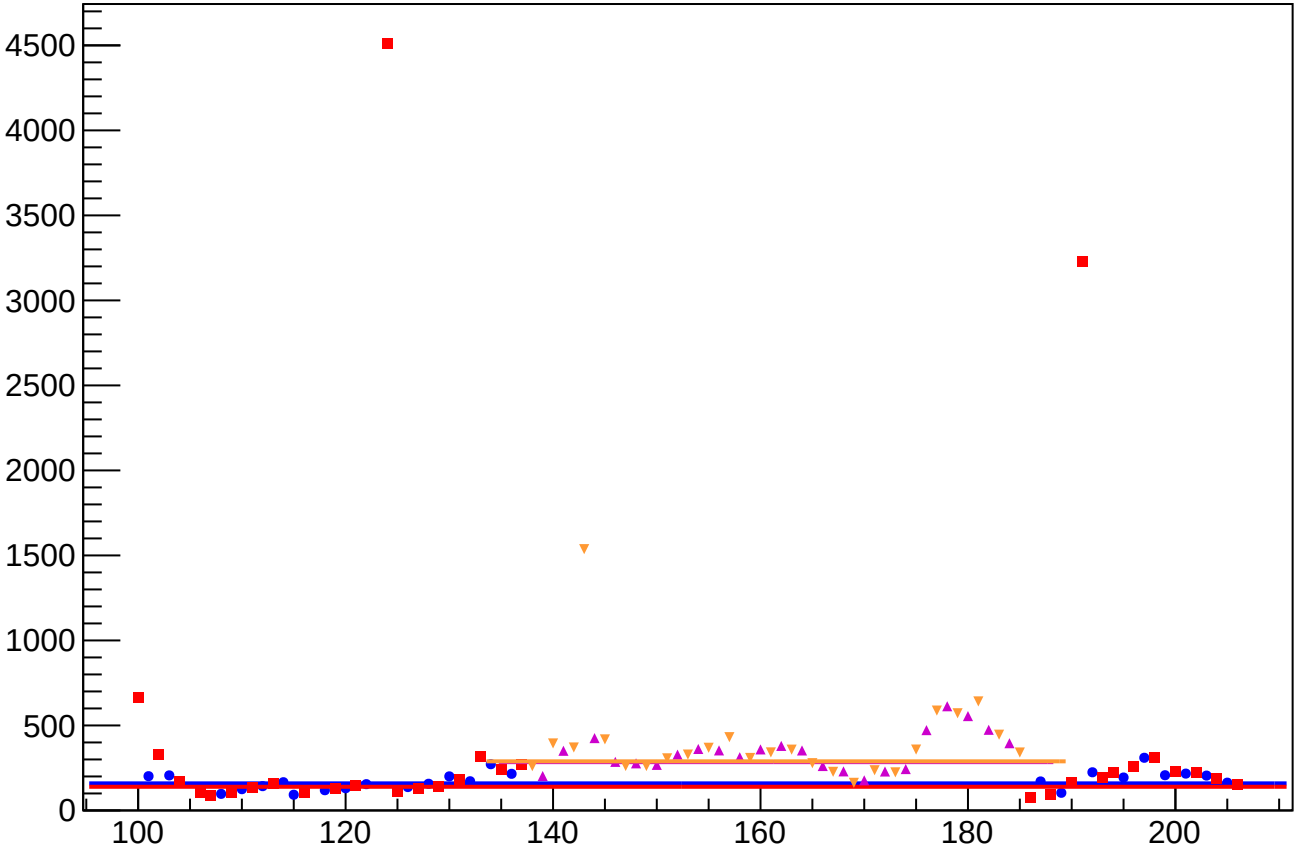
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

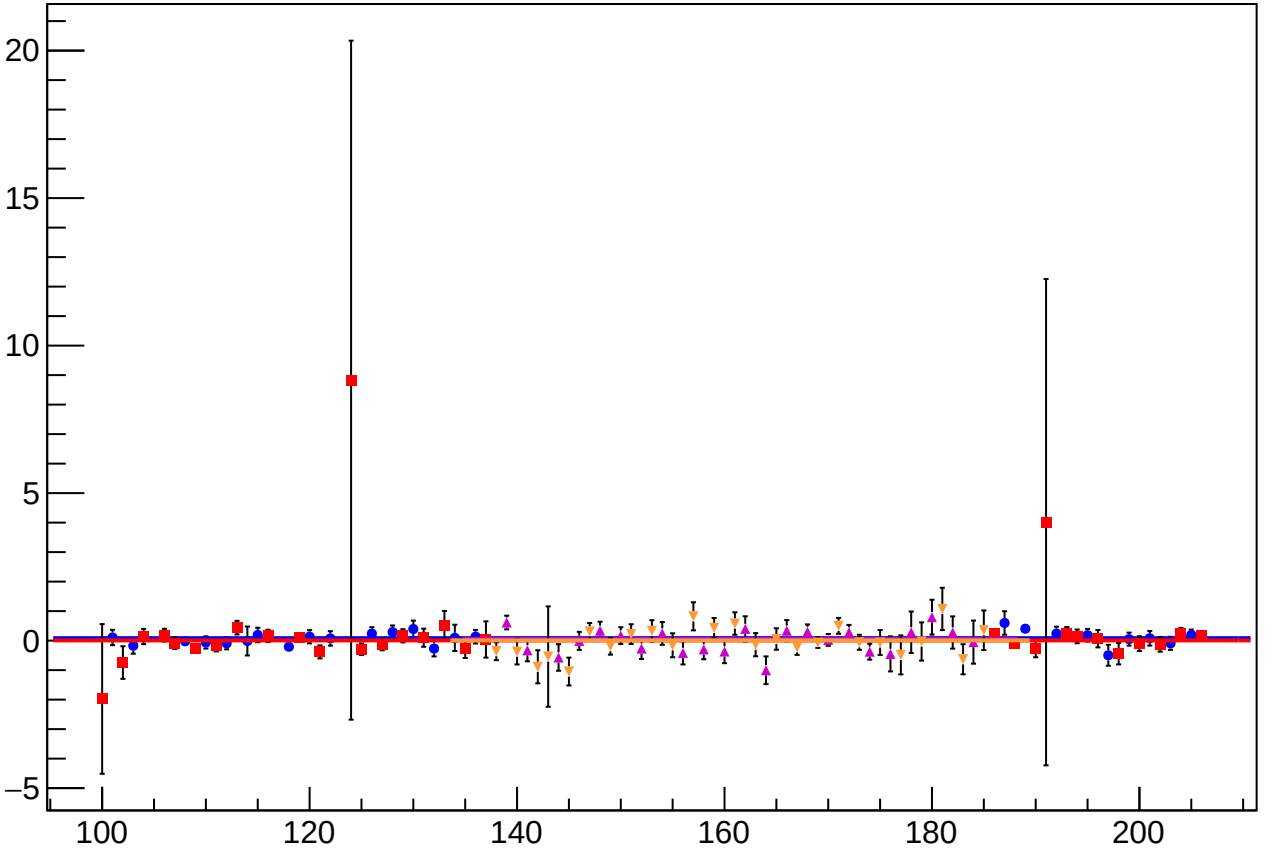
Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

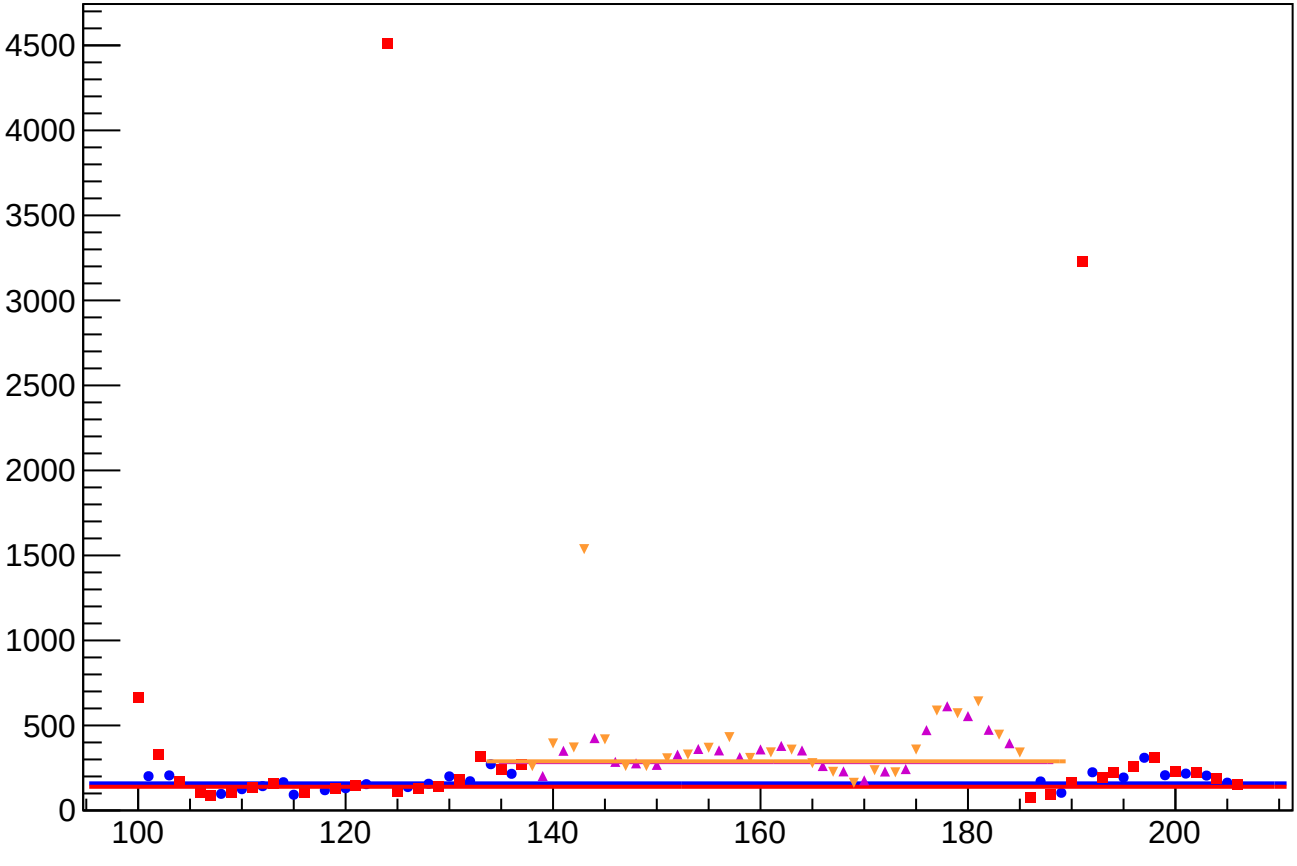
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

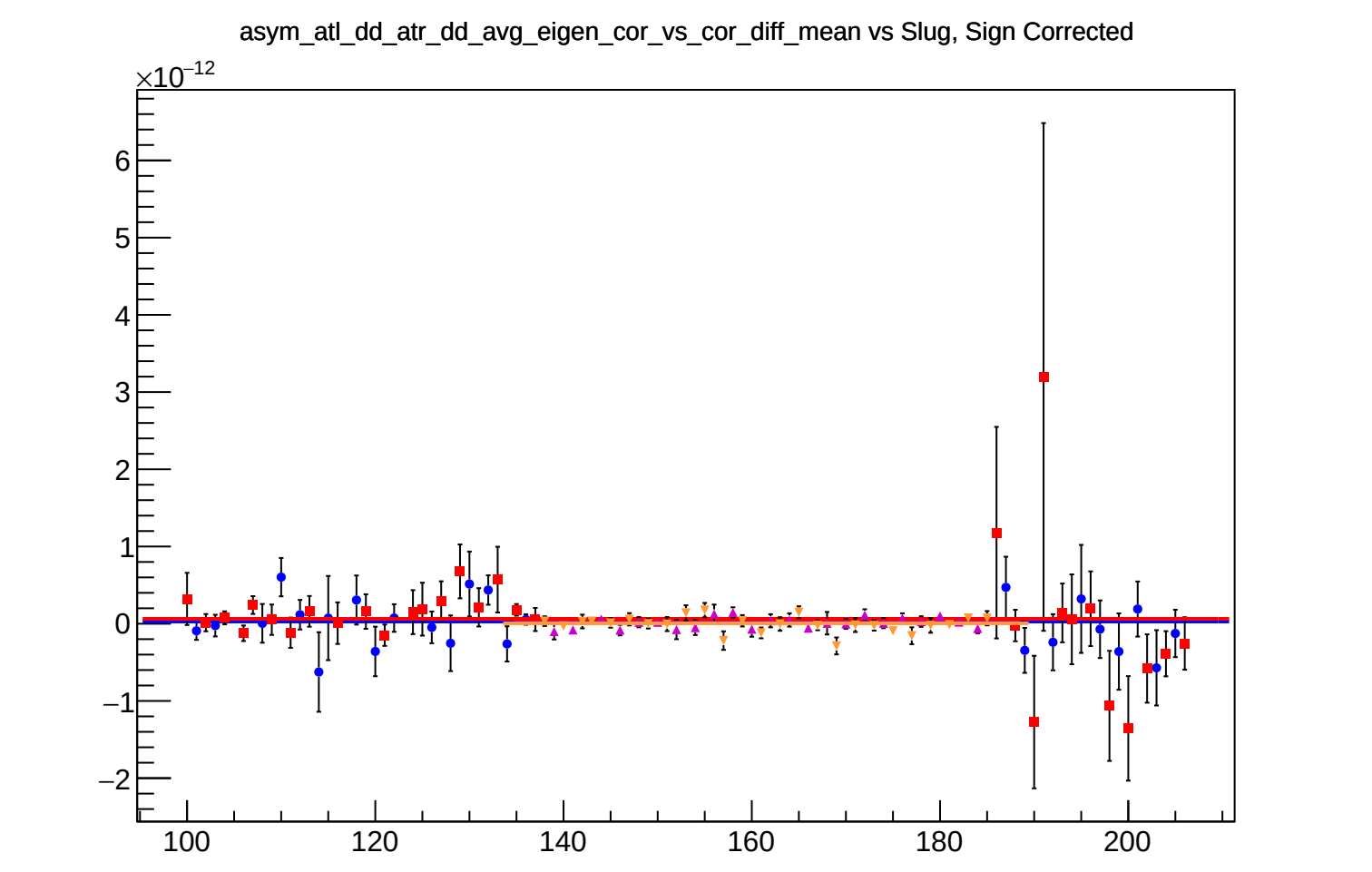
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

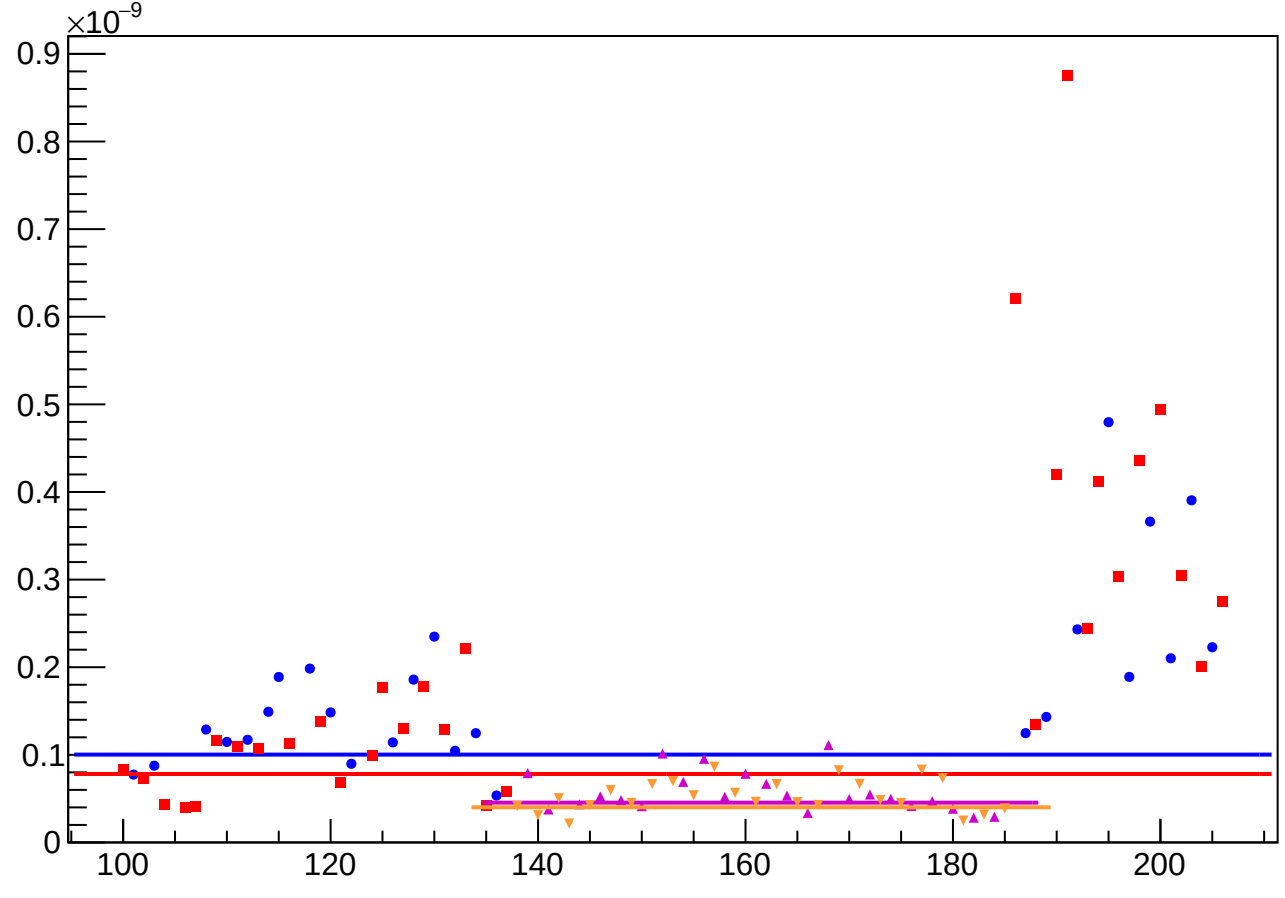
Right: 0.000+/-0.000 χ^2/NDF: 61.0/55

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/103

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

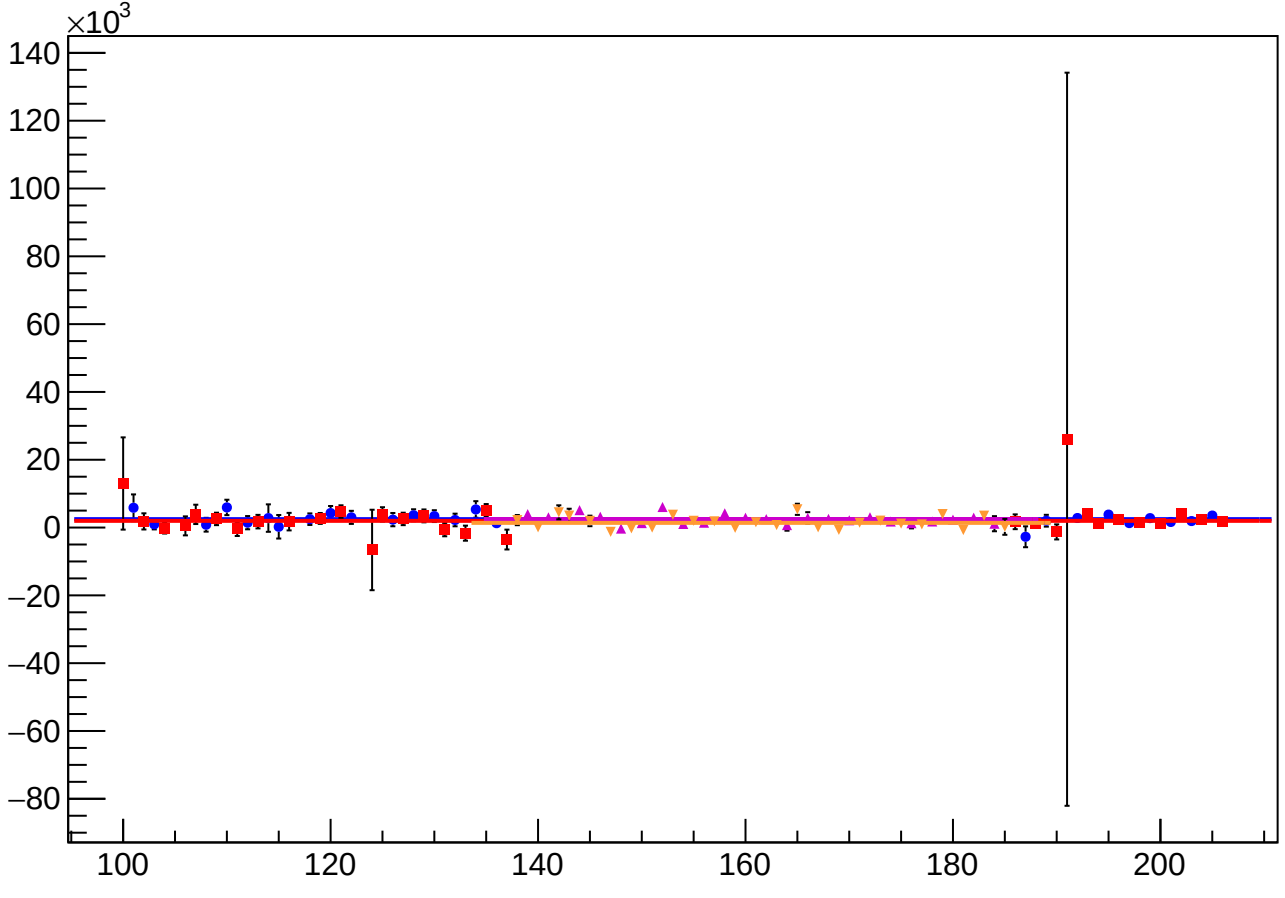
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12616606.6/55

In: 0.000+/-0.000 χ^2/NDF:10707213.1/47

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103



Right In: 2480.791+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.540+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

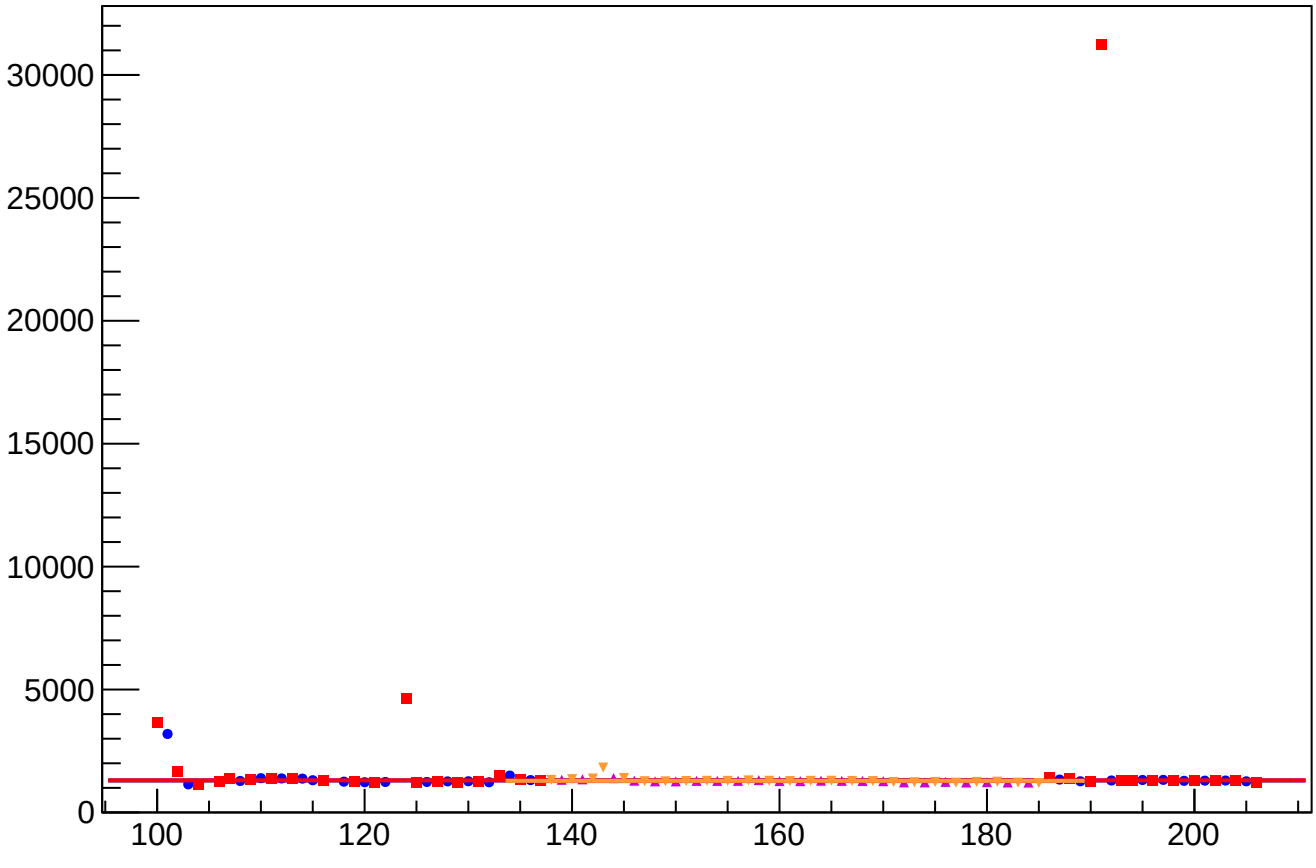
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2214.337+/-239.679 χ^2/NDF: 44.0/55

In: 2503.158+/-226.993 χ^2/NDF:37.3/47

Out: 1647.011+/-218.637 χ^2/NDF:62.9/55

All: 2059.035+/-157.471 χ^2/NDF: 107.5/103



Right In: 1301.994+/-0.248 χ^2/NDF: 519973.8/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.088+/-0.232 χ^2/NDF: 505157.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

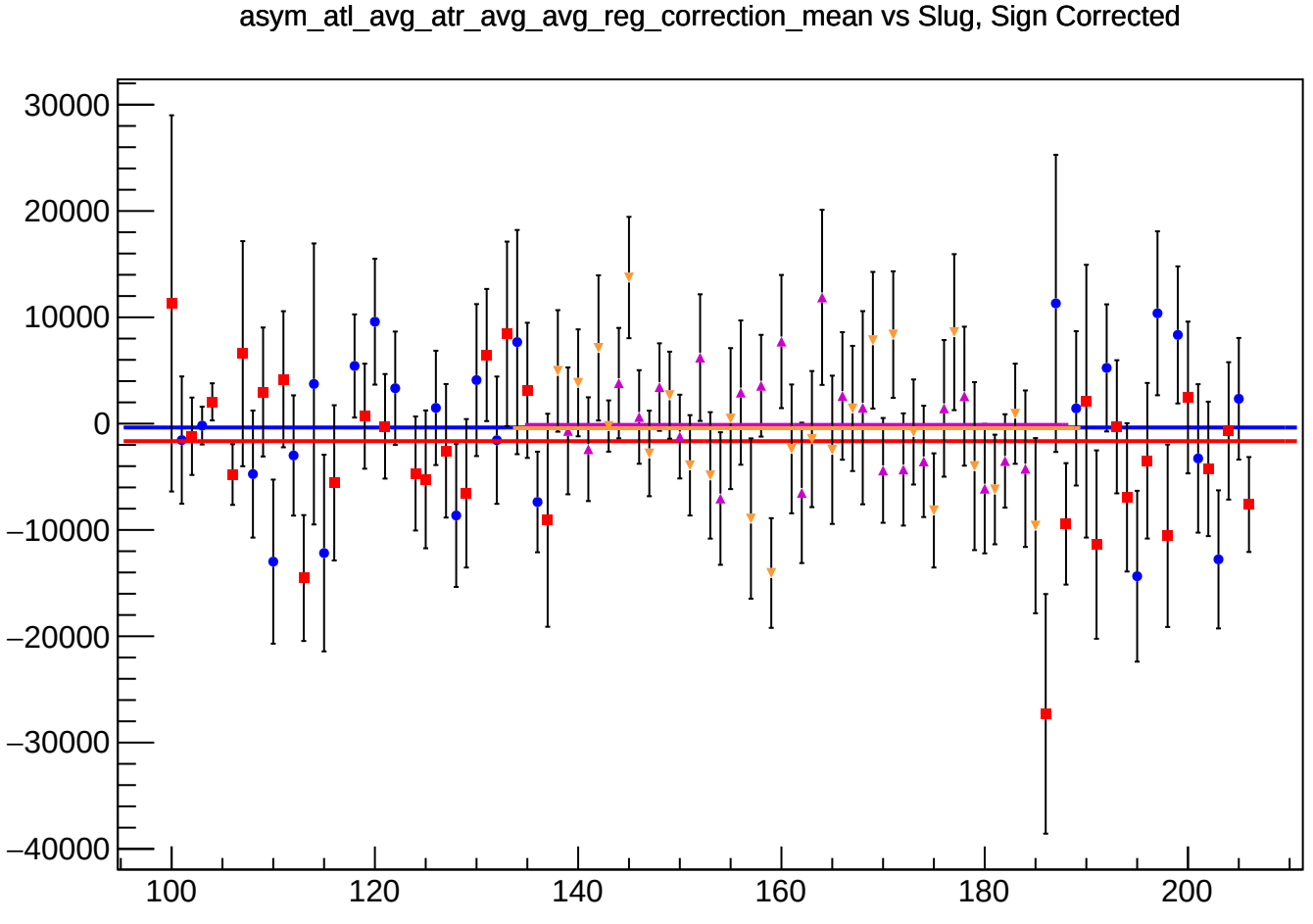
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1304.173+/-0.169 χ^2/NDF: 1025276.7/55

In: 1286.887+/-0.161 χ^2/NDF:567791.8/47

Out: 1294.702+/-0.155 χ^2/NDF:700501.8/55

All: 1290.943+/-0.111 χ^2/NDF: 1269523.9/10



Right In: -363.759+/-1062.378 χ^2/NDF: 27.3/24

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1648.800+/-931.650 χ^2/NDF: 31.3/30

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

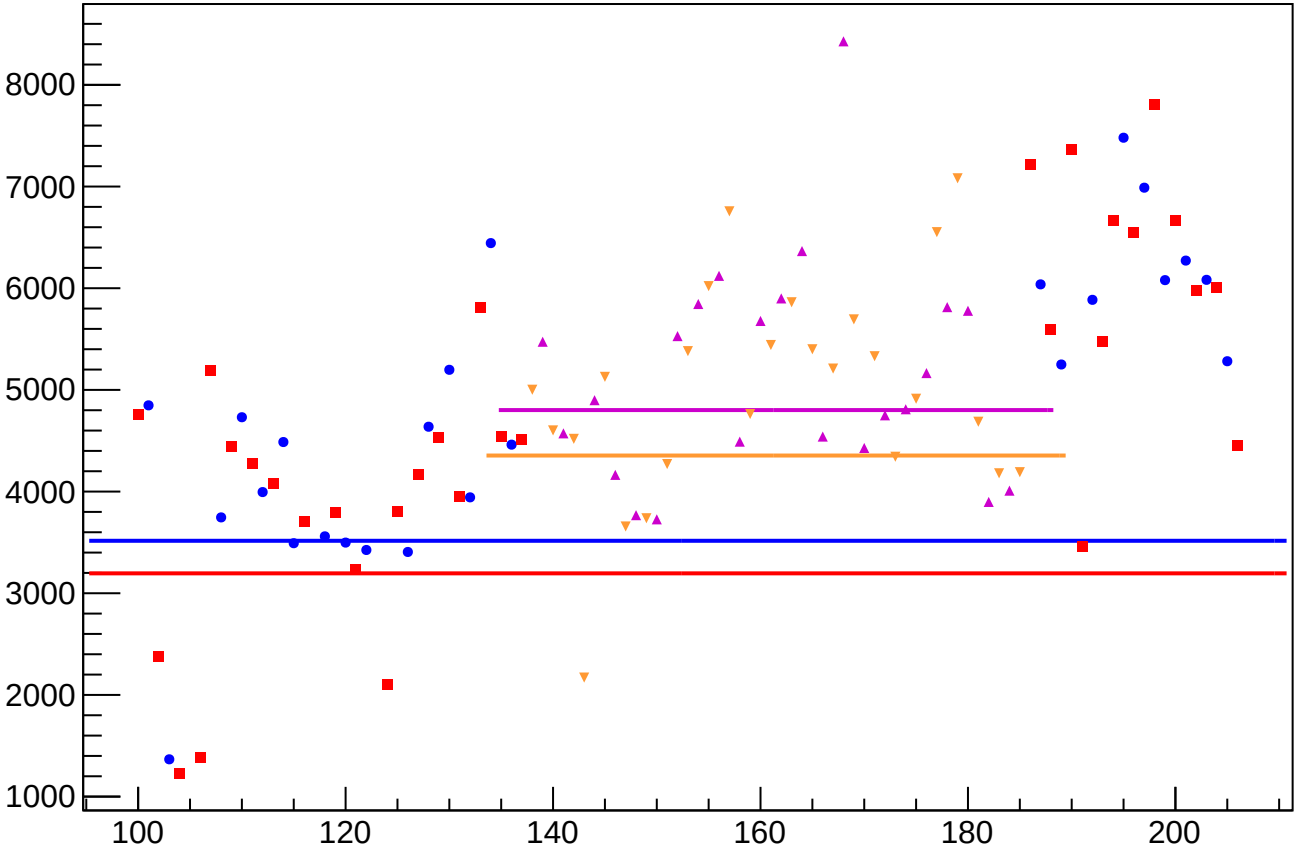
Right: -1090.166+/-700.461 χ^2/NDF: 59.4/55

In: -250.651+/-778.691 χ^2/NDF:40.9/47

Out: -1104.383+/-693.348 χ^2/NDF:61.9/55

All: -726.848+/-517.825 χ^2/NDF: 103.4/103

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3515.962+/-0.751 χ^2/NDF: 6037240.1/24

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3195.705+/-0.659 χ^2/NDF: 8288001.1/30

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

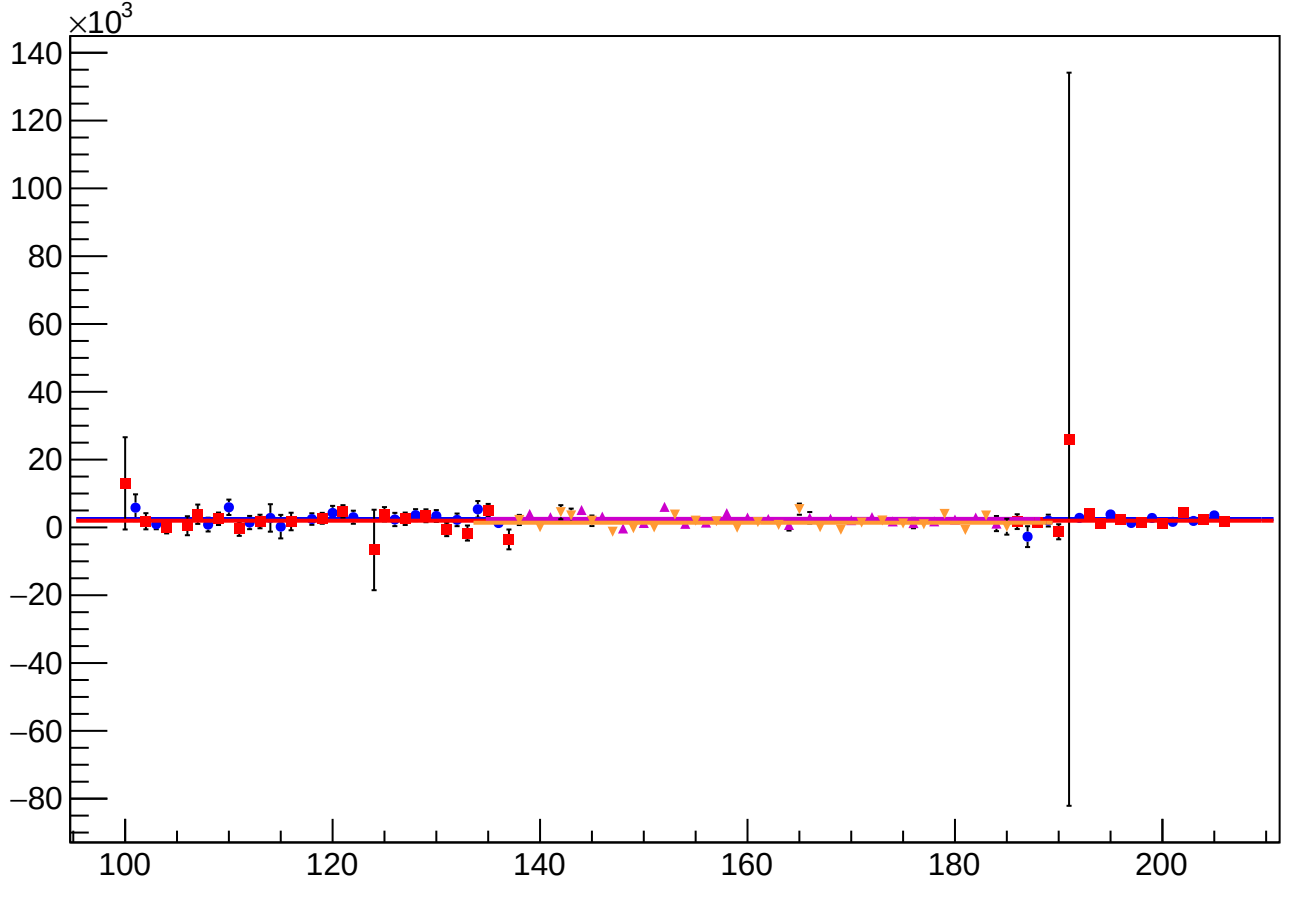
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3334.927+/-0.495 χ^2/NDF: 14427979.5/55

In: 4110.885+/-0.551 χ^2/NDF:8624444.1/47

Out: 3712.706+/-0.490 χ^2/NDF:12739927.5/55

All: 3888.788+/-0.366 χ^2/NDF: 21656060.1/1



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.426+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

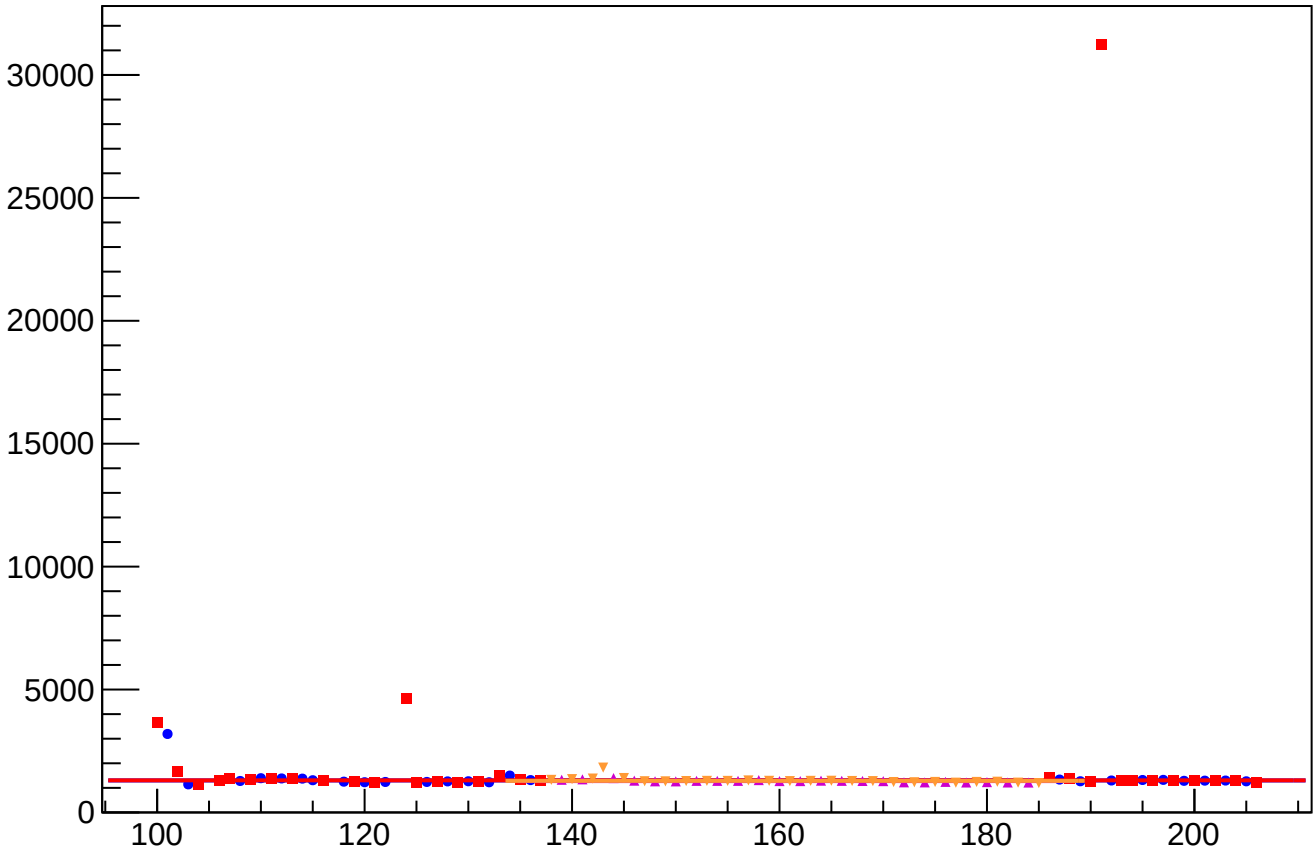
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2214.234+/-239.679 χ^2/NDF: 44.0/55

In: 2503.121+/-226.993 χ^2/NDF:37.3/47

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2058.972+/-157.471 χ^2/NDF: 107.5/103



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

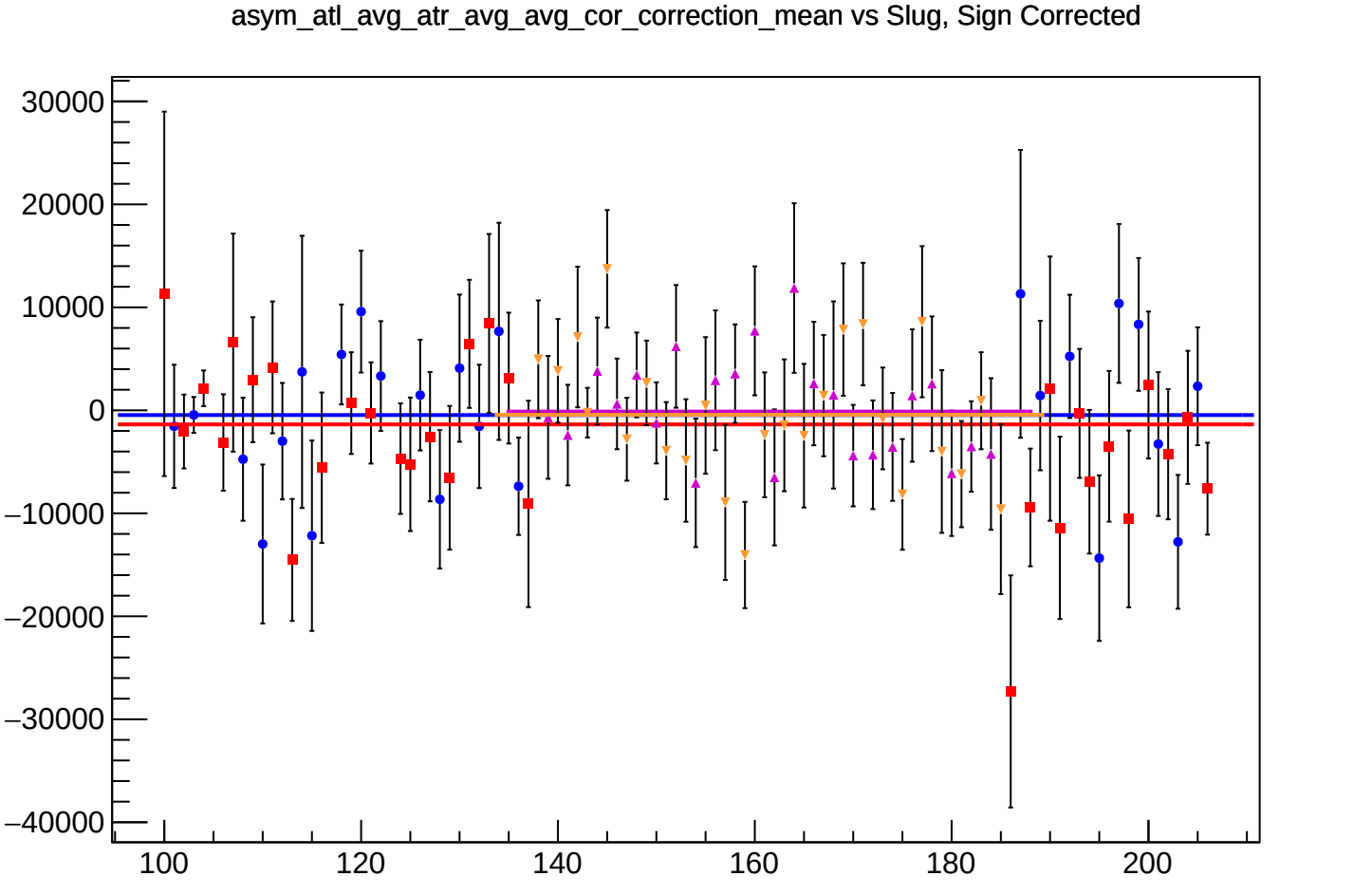
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1304.434+/-0.169 χ^2/NDF: 1025010.4/55

In: 1286.887+/-0.161 χ^2/NDF:567793.2/47

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1291.054+/-0.111 χ^2/NDF: 1269497.6/10



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

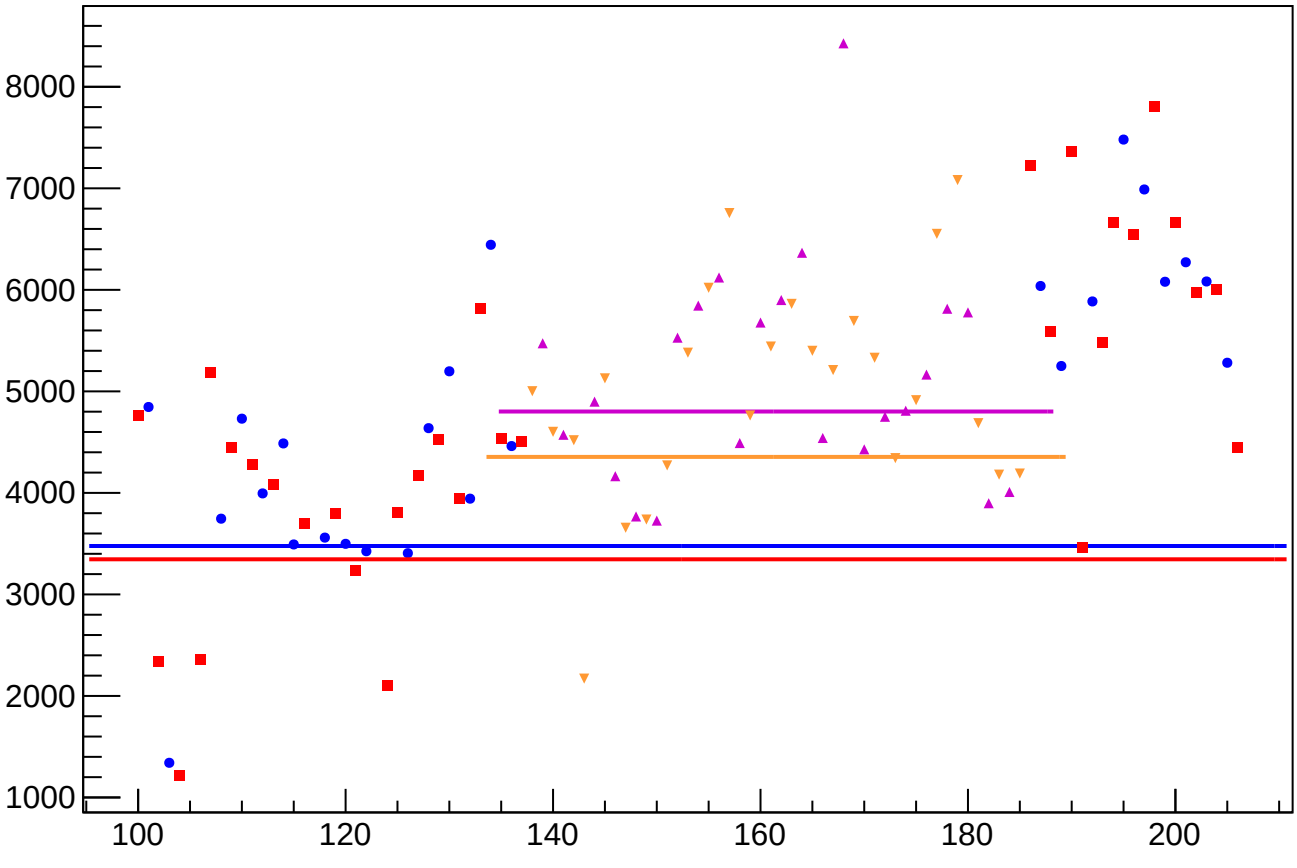
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -954.567+/-710.304 χ^2/NDF: 58.1/55

In: -301.944+/-775.768 χ^2/NDF:40.9/47

Out: -934.076+/-705.061 χ^2/NDF:60.7/55

All: -648.125+/-521.764 χ^2/NDF: 101.9/103



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

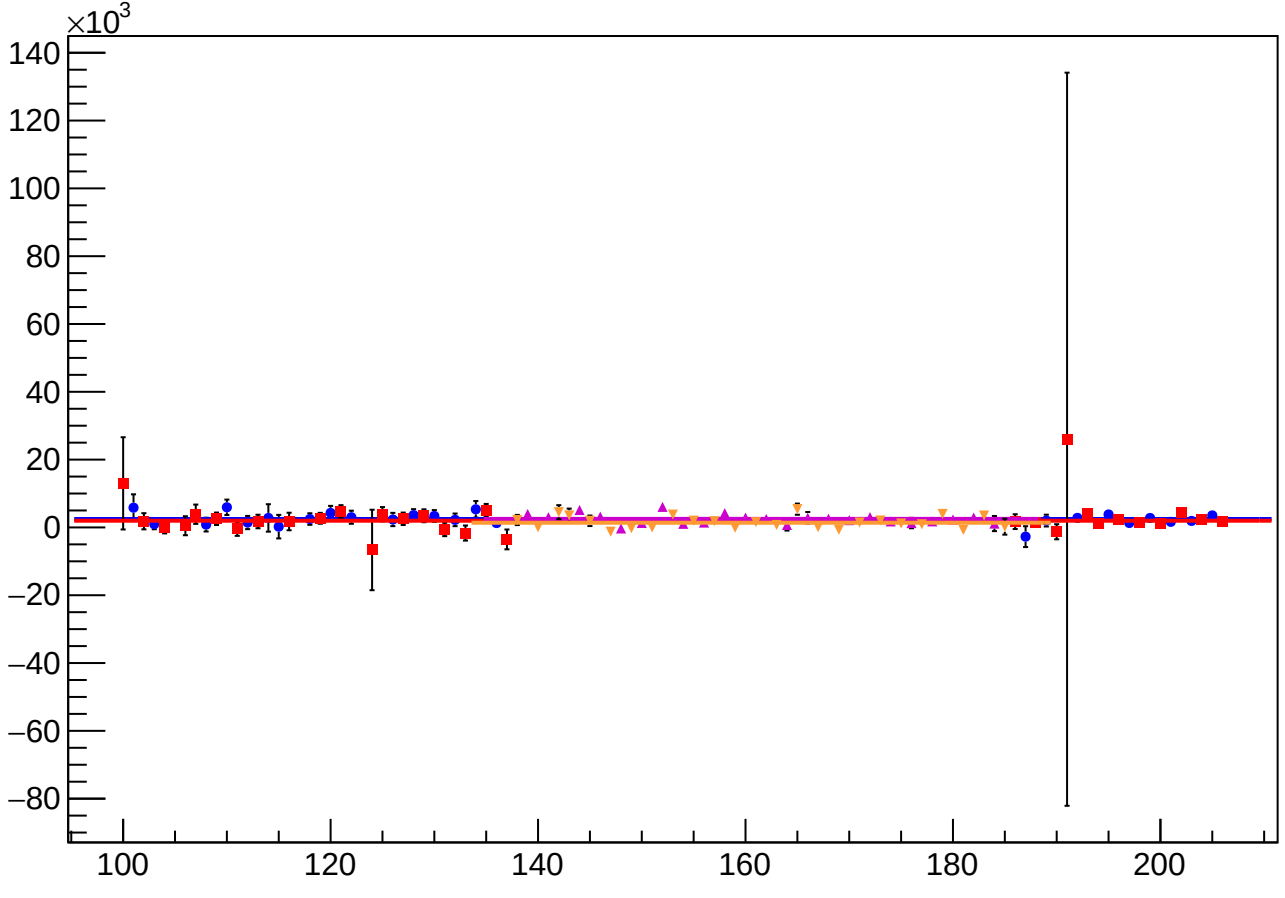
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3405.320+/-0.502 χ^2/NDF: 13829641.0/55

In: 4085.319+/-0.549 χ^2/NDF:8901233.4/47

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3935.225+/-0.369 χ^2/NDF: 20718076.2/1



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.426+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

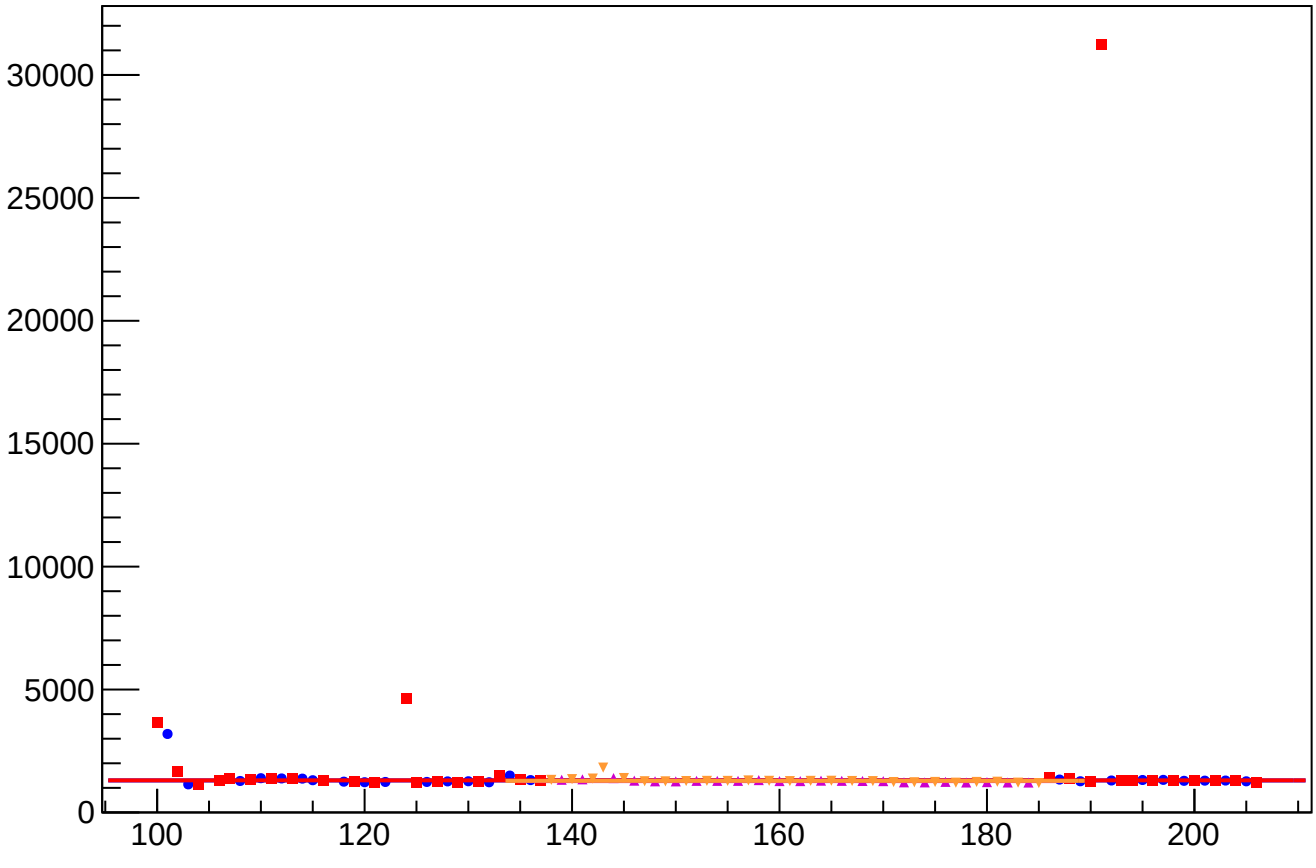
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2214.234+/-239.679 χ^2/NDF: 44.0/55

In: 2503.121+/-226.993 χ^2/NDF:37.3/47

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2058.972+/-157.471 χ^2/NDF: 107.5/103



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

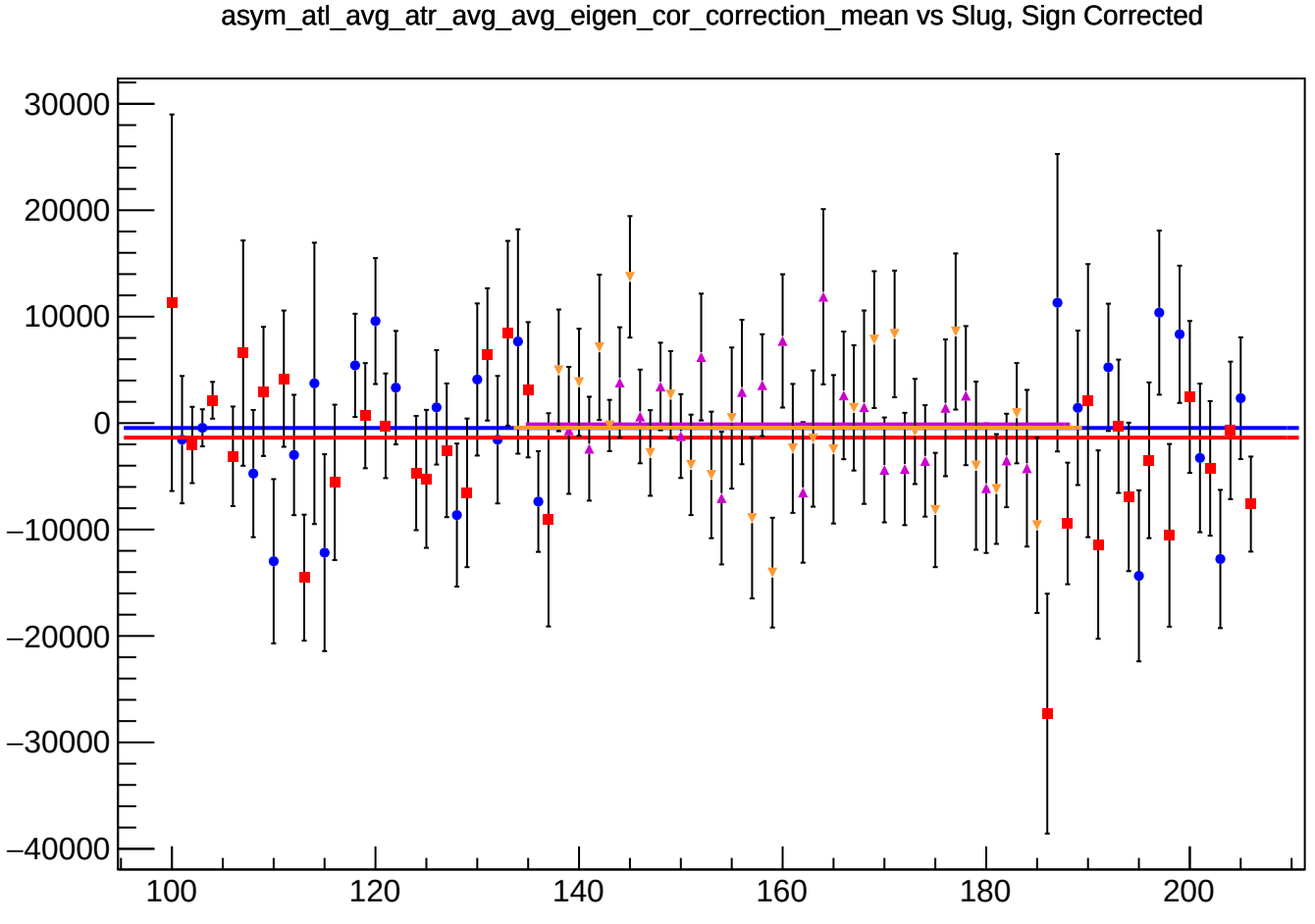
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1304.434+/-0.169 χ^2/NDF: 1025010.4/55

In: 1286.887+/-0.161 χ^2/NDF:567793.2/47

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1291.054+/-0.111 χ^2/NDF: 1269497.6/10



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

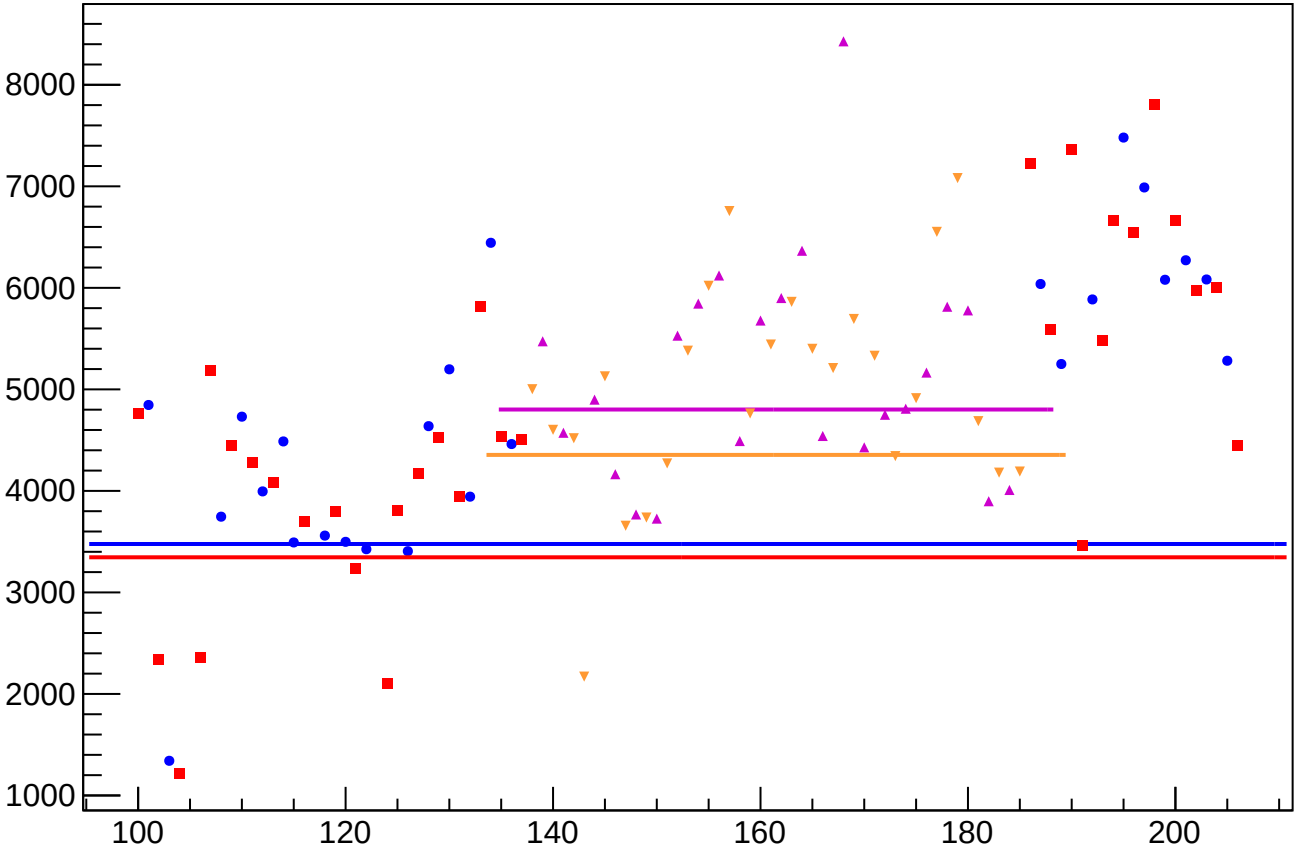
Right: -954.567+/-710.304 χ^2/NDF: 58.1/55

In: -301.944+/-775.768 χ^2/NDF:40.9/47

Out: -934.076+/-705.061 χ^2/NDF:60.7/55

All: -648.125+/-521.764 χ^2/NDF: 101.9/103

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

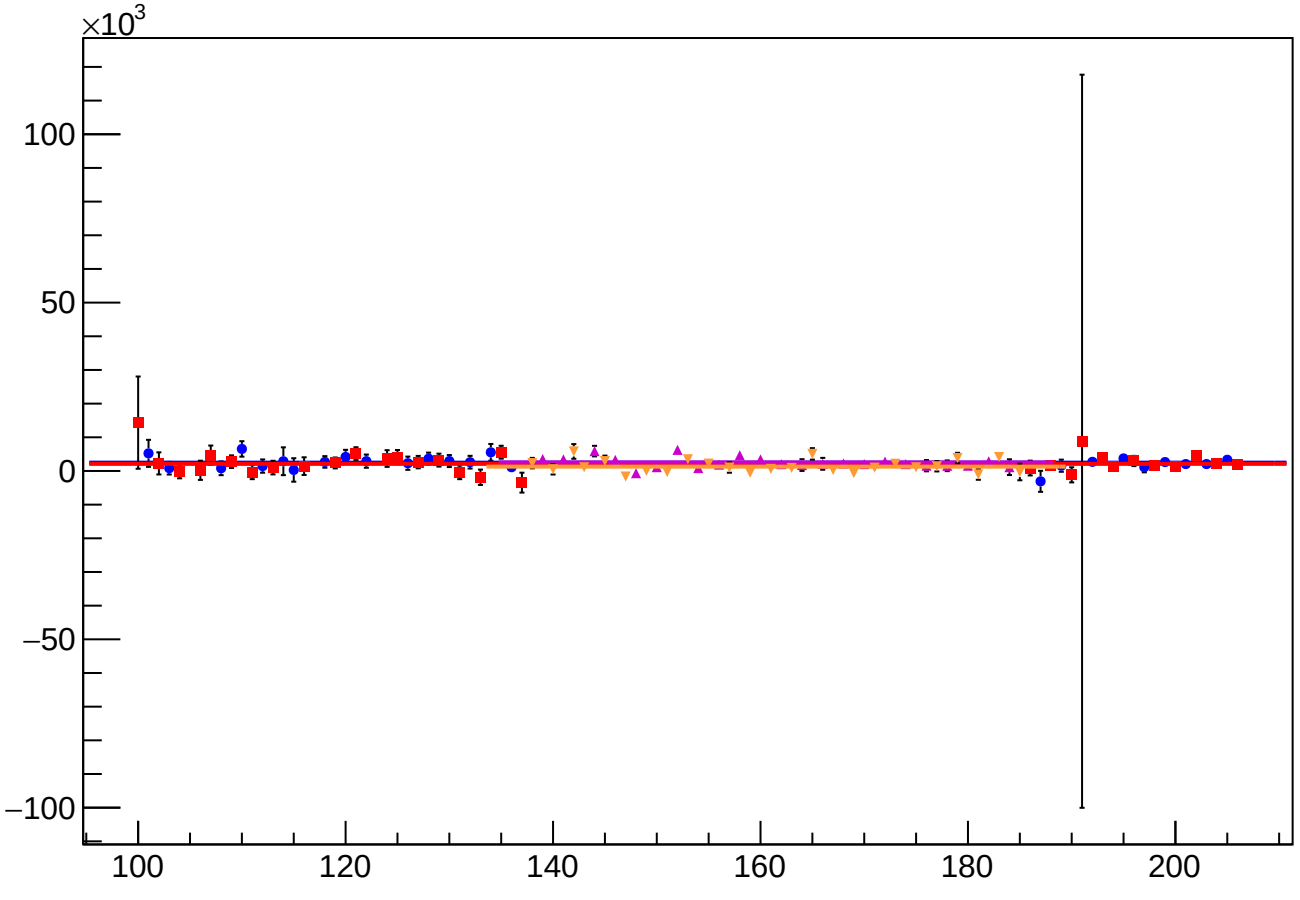
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3405.320+/-0.502 χ^2/NDF: 13829641.0/55

In: 4085.319+/-0.549 χ^2/NDF:8901233.4/47

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3935.225+/-0.369 χ^2/NDF: 20718076.2/1



Right In: 2473.234+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2109.419+/-336.048 χ^2/NDF: 29.8/30

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

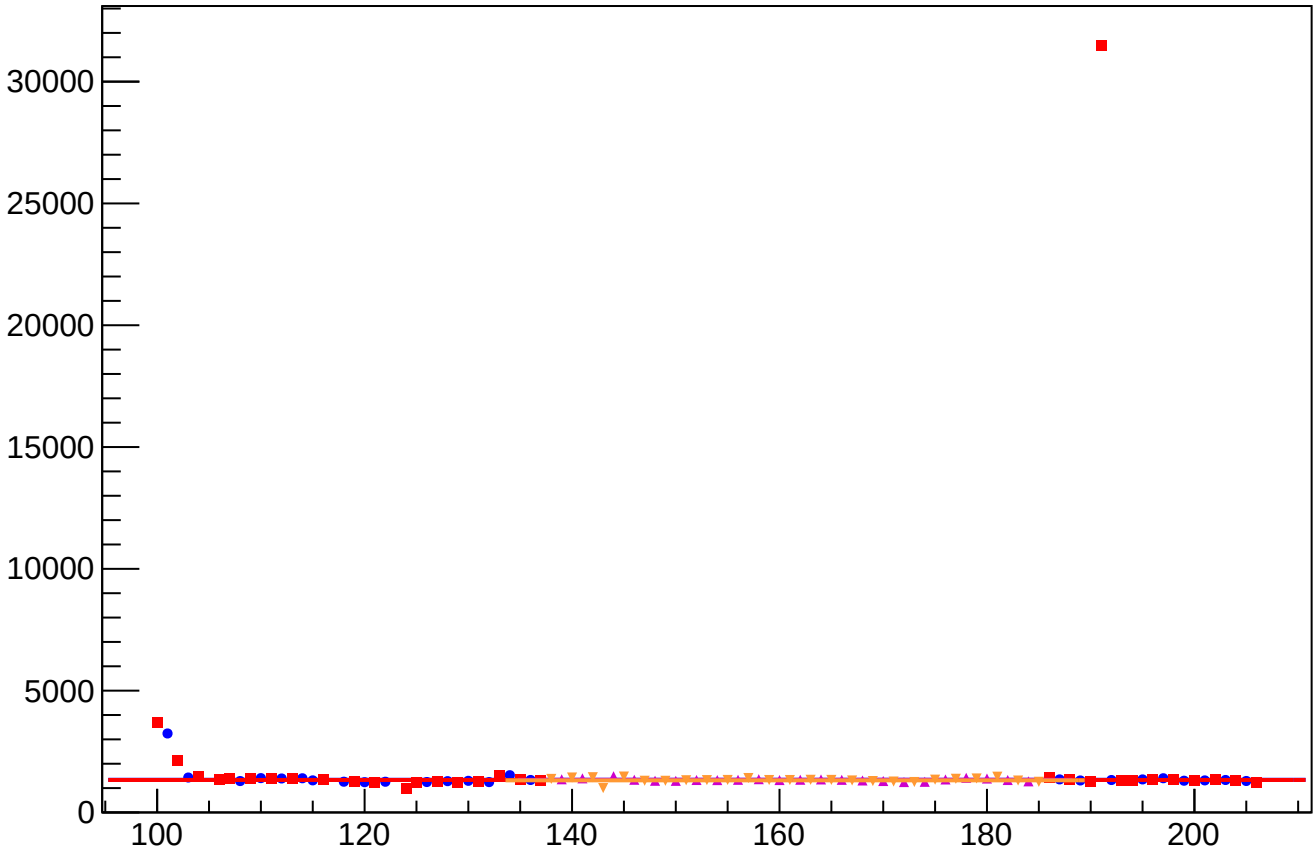
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2278.523+/-245.842 χ^2/NDF: 45.2/55

In: 2506.640+/-236.325 χ^2/NDF:40.0/47

Out: 1651.032+/-224.015 χ^2/NDF:66.5/55

All: 2055.973+/-162.580 χ^2/NDF: 113.3/103



Right In: 1340.559+/-0.255 χ^2/NDF: 503690.2/24

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1333.528+/-0.238 χ^2/NDF: 447623.1/30

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

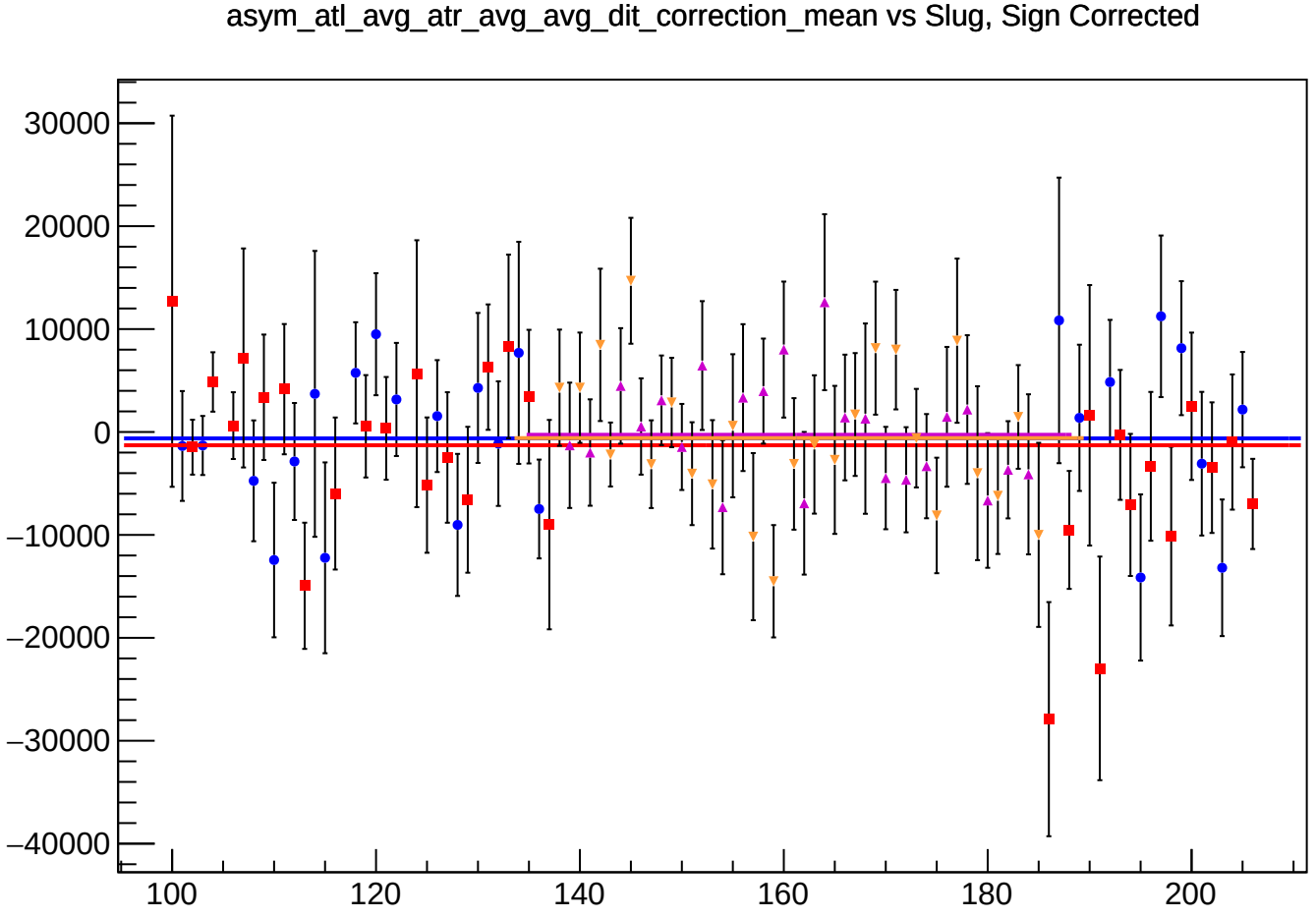
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1336.795+/-0.174 χ^2/NDF: 951720.2/55

In: 1339.443+/-0.167 χ^2/NDF:557972.2/47

Out: 1324.999+/-0.158 χ^2/NDF:698491.3/55

All: 1331.834+/-0.115 χ^2/NDF: 1260398.8/10



Right In: -623.125+/-1204.179 χ^2/NDF: 27.1/24

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -1289.807+/-1030.028 χ^2/NDF: 33.6/30

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

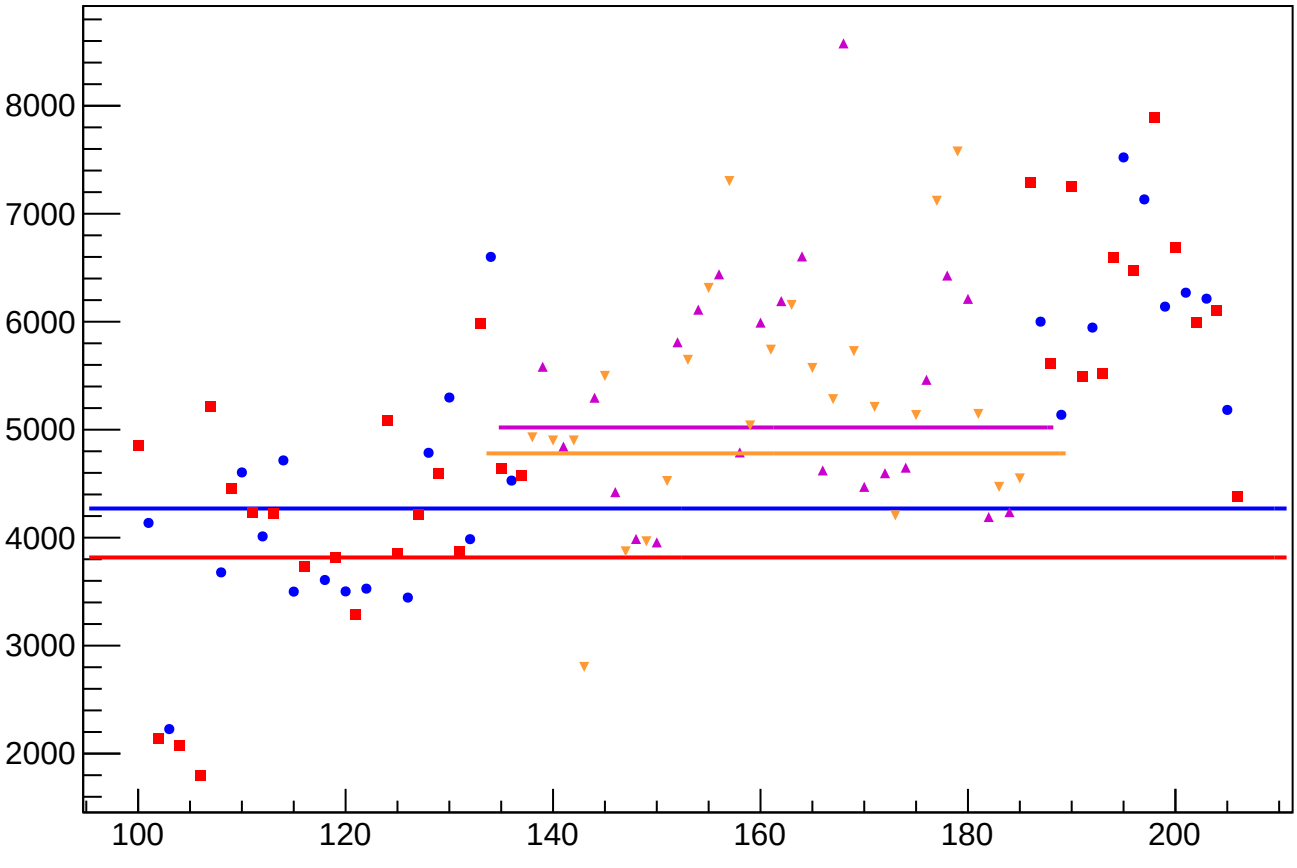
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -1008.118+/-782.738 χ^2/NDF: 60.9/55

In: -446.944+/-848.864 χ^2/NDF:40.6/47

Out: -972.093+/-758.863 χ^2/NDF:63.4/55

All: -738.825+/-565.750 χ^2/NDF: 104.1/103



Right In: 4270.097+/-0.851 χ^2/NDF: 2724938.8/24

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3816.517+/-0.728 χ^2/NDF: 5201996.6/30

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

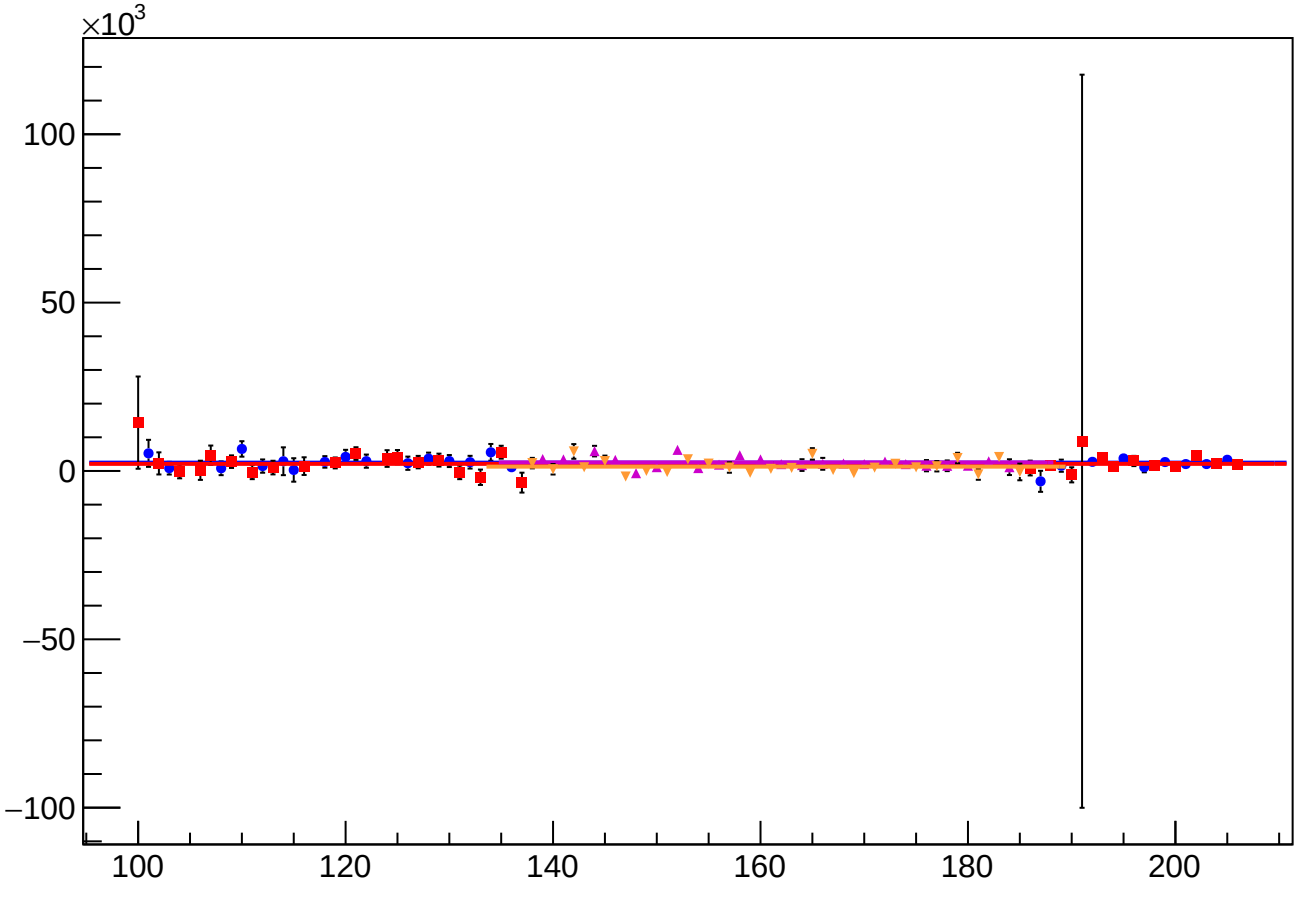
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4008.165+/-0.553 χ^2/NDF: 8090802.2/55

In: 4647.633+/-0.600 χ^2/NDF:4340814.2/47

Out: 4257.216+/-0.537 χ^2/NDF:8008990.7/55

All: 4430.637+/-0.400 χ^2/NDF: 12584949.9/1



Right In: 2473.231+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2109.417+/-336.047 χ^2/NDF: 29.8/30

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

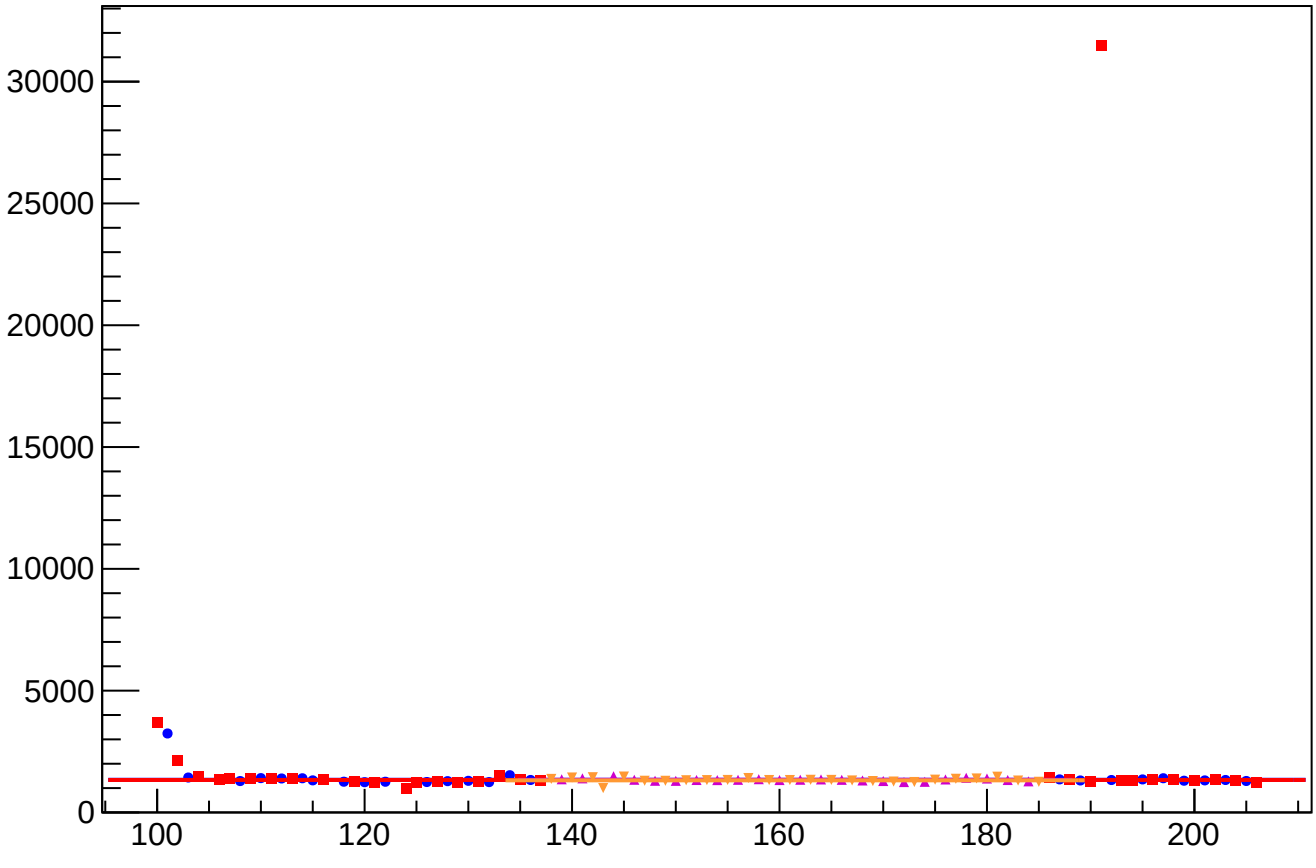
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2278.520+/-245.842 χ^2/NDF: 45.2/55

In: 2506.639+/-236.325 χ^2/NDF:40.0/47

Out: 1651.029+/-224.015 χ^2/NDF:66.5/55

All: 2055.971+/-162.580 χ^2/NDF: 113.3/103



Right In: 1340.558+/-0.255 χ^2/NDF: 503690.5/24

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1333.528+/-0.238 χ^2/NDF: 447622.1/30

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

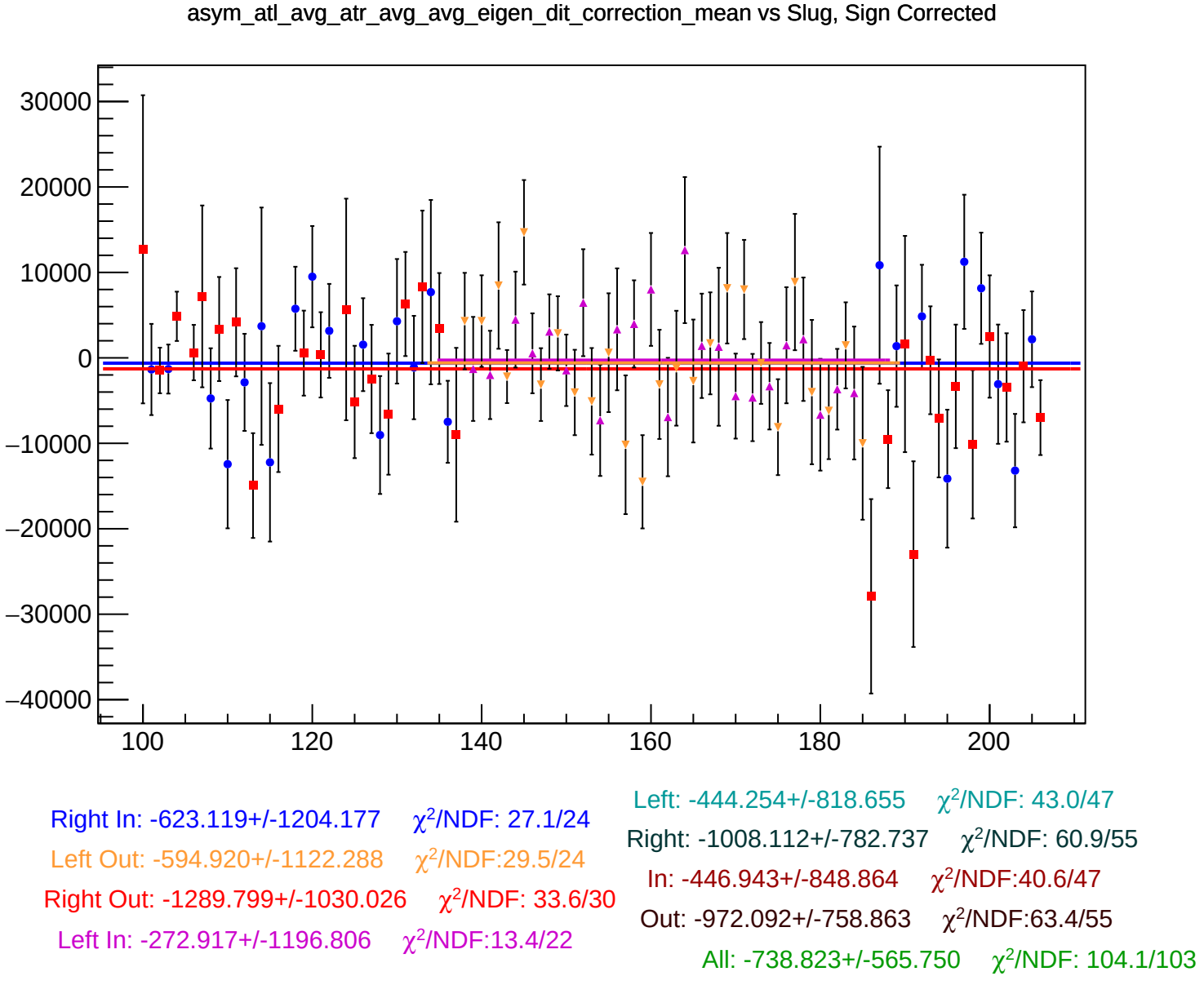
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1336.795+/-0.174 χ^2/NDF: 951719.6/55

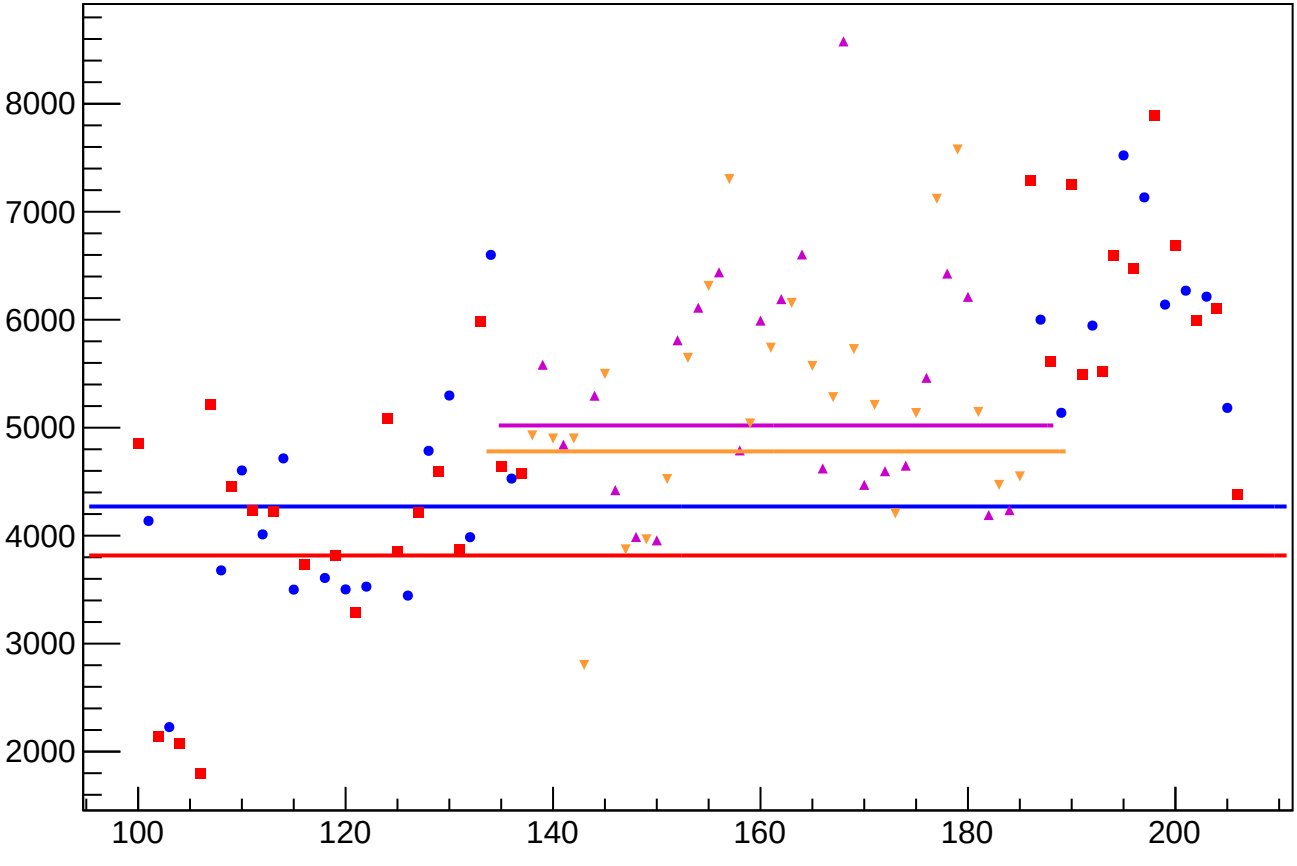
In: 1339.443+/-0.167 χ^2/NDF:557975.0/47

Out: 1325.000+/-0.158 χ^2/NDF:698492.4/55

All: 1331.835+/-0.115 χ^2/NDF: 1260402.7/10


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -623.119+/-1204.177 χ²/NDF: 27.1/24
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -1289.799+/-1030.026 χ²/NDF: 33.6/30
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -1008.112+/-782.737 χ²/NDF: 60.9/55
In: -446.943+/-848.864 χ²/NDF:40.6/47
Out: -972.092+/-758.863 χ²/NDF:63.4/55
All: -738.823+/-565.750 χ²/NDF: 104.1/103

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4270.089+/-0.851 χ^2/NDF: 2724964.7/24

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3816.508+/-0.728 χ^2/NDF: 5202030.9/30

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

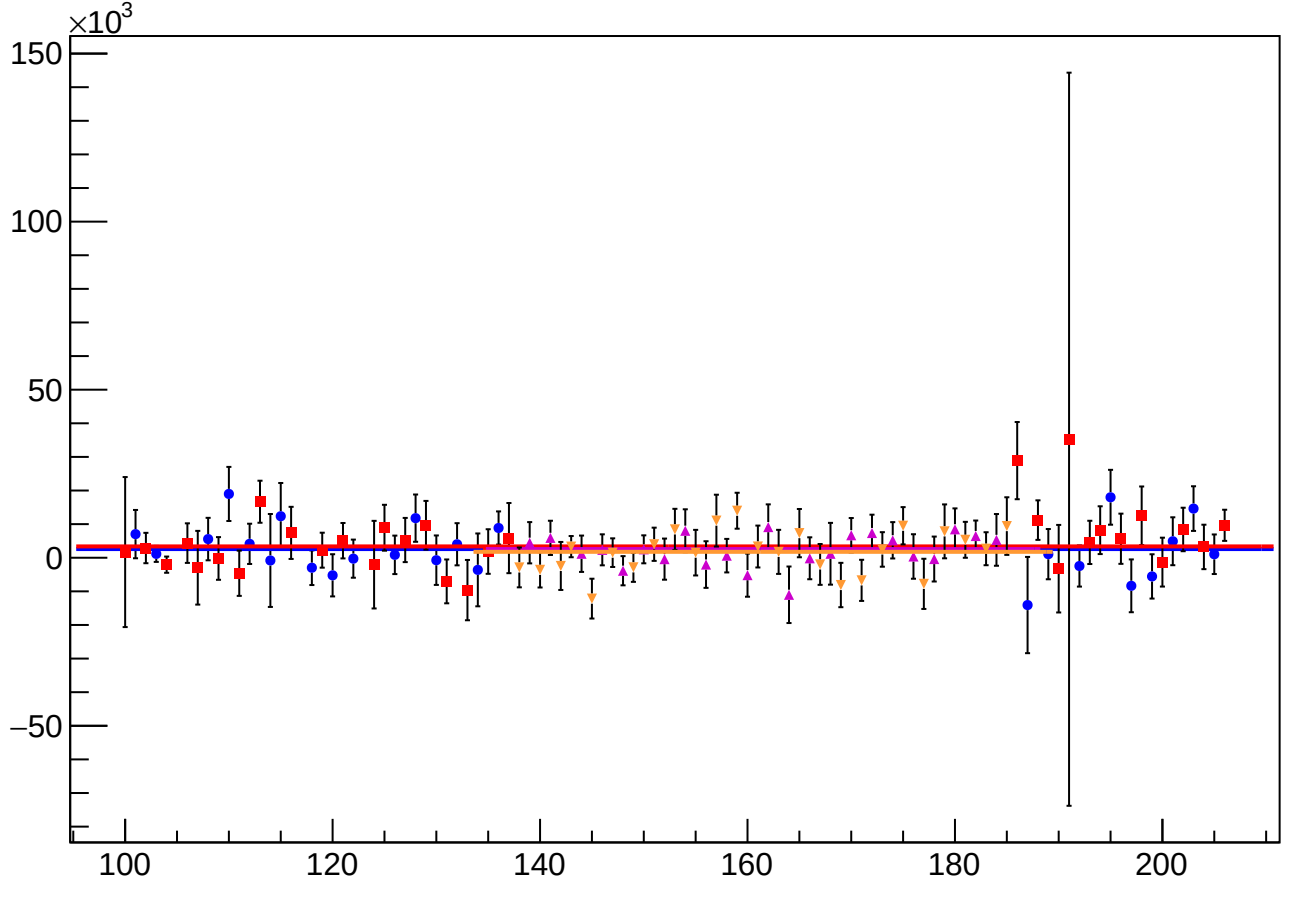
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 4008.157+/-0.553 χ^2/NDF: 8090863.4/55

In: 4647.632+/-0.600 χ^2/NDF:4340859.3/47

Out: 4257.213+/-0.537 χ^2/NDF:8009053.1/55

All: 4430.635+/-0.400 χ^2/NDF: 12585059.2/



Right In: 2583.628+/-1201.356 χ^2/NDF: 25.8/24

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 3371.740+/-1125.658 χ^2/NDF: 30.1/30

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

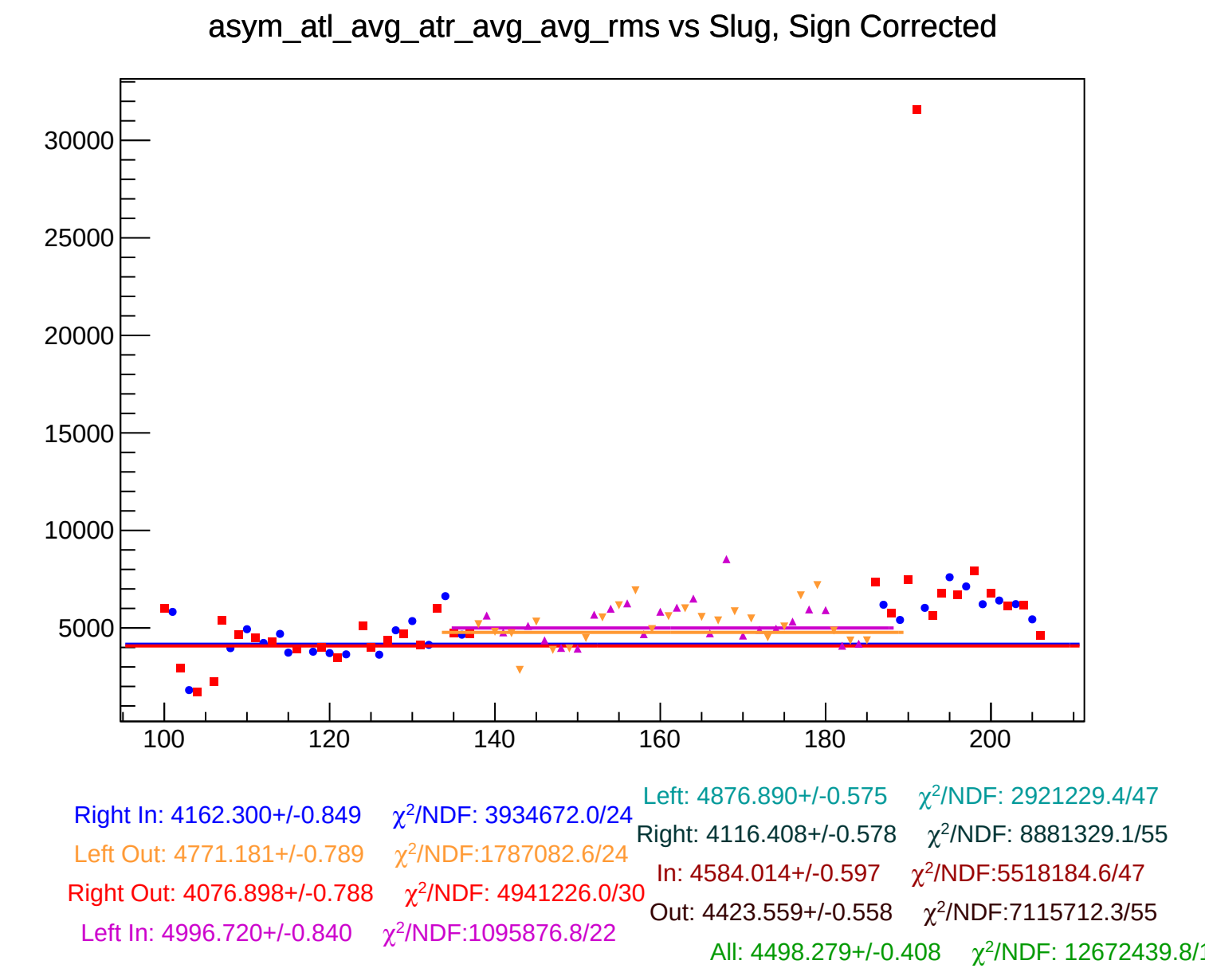
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

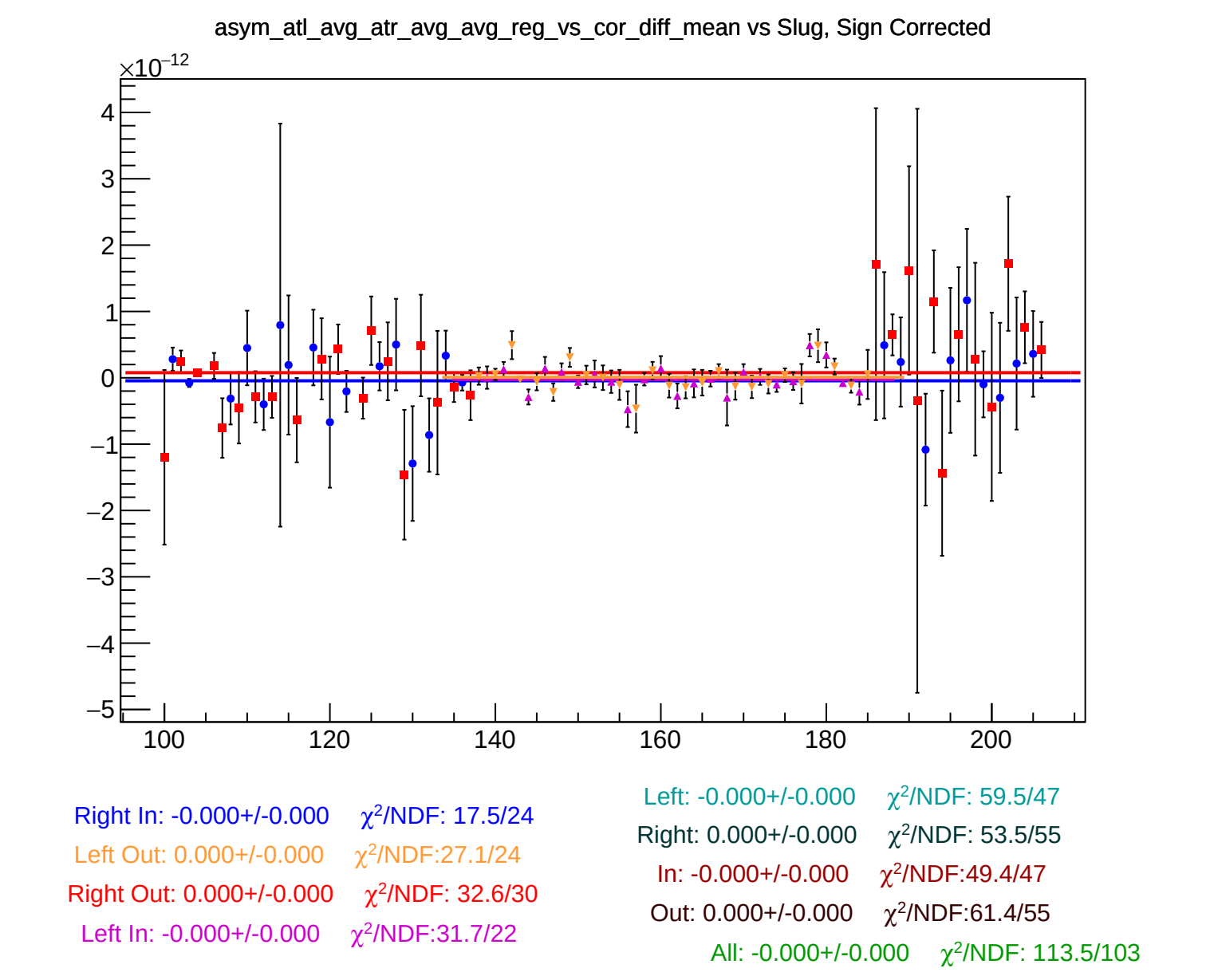
Right: 3003.294+/-821.419 χ^2/NDF: 56.1/55

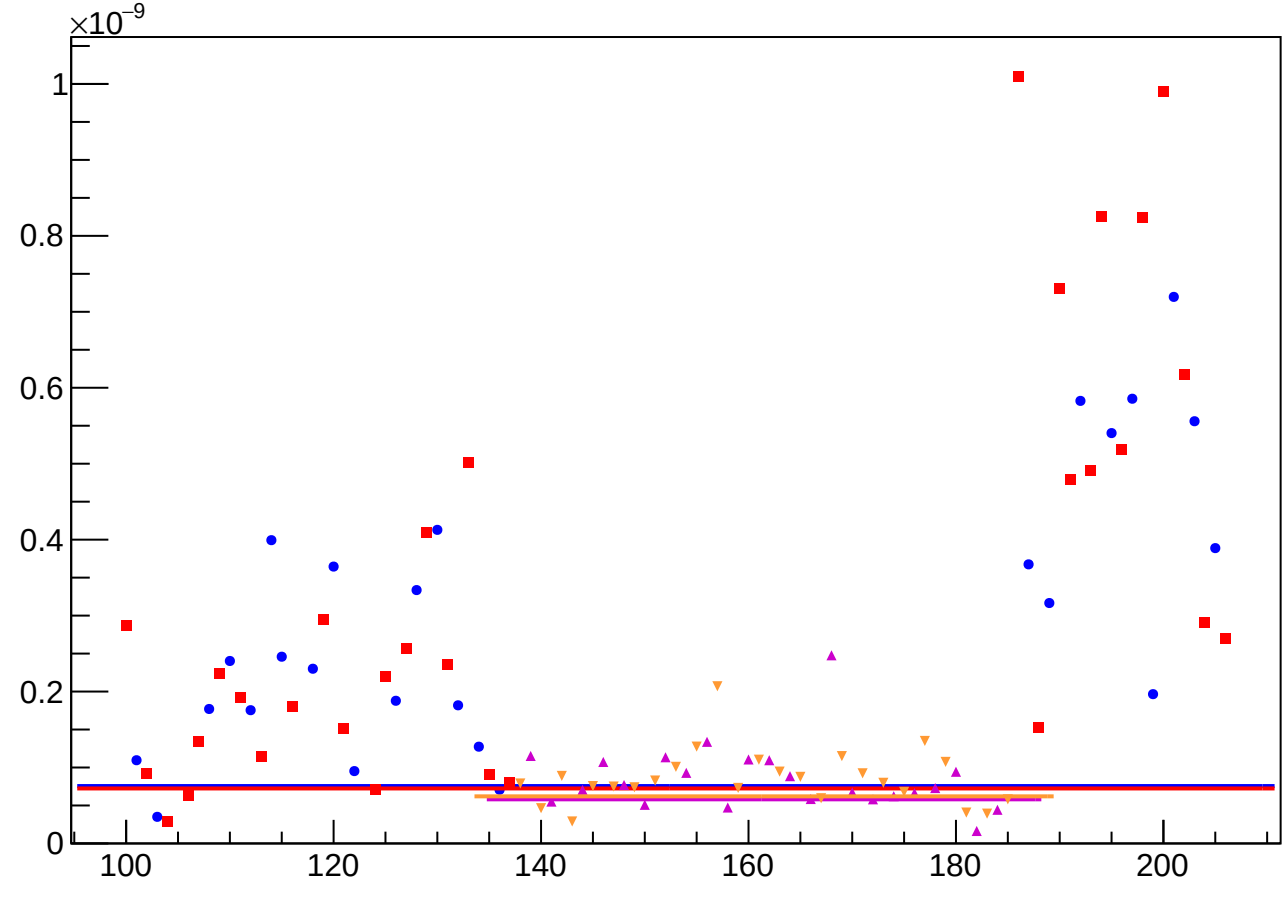
In: 2581.774+/-844.886 χ^2/NDF:39.0/47

Out: 2559.942+/-792.607 χ^2/NDF:58.8/55

All: 2570.162+/-578.057 χ^2/NDF: 97.9/103


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4162.300+/-0.849 χ²/NDF: 3934672.0/24
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4076.898+/-0.788 χ²/NDF: 4941226.0/30
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4116.408+/-0.578 χ²/NDF: 8881329.1/55
In: 4584.014+/-0.597 χ²/NDF:5518184.6/47
Out: 4423.559+/-0.558 χ²/NDF:7115712.3/55
All: 4498.279+/-0.408 χ²/NDF: 12672439.8/


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.5/24
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.6/30
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 53.5/55
In: -0.000+/-0.000 χ²/NDF:49.4/47
Out: 0.000+/-0.000 χ²/NDF:61.4/55
All: -0.000+/-0.000 χ²/NDF: 113.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 6323132.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8275014.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

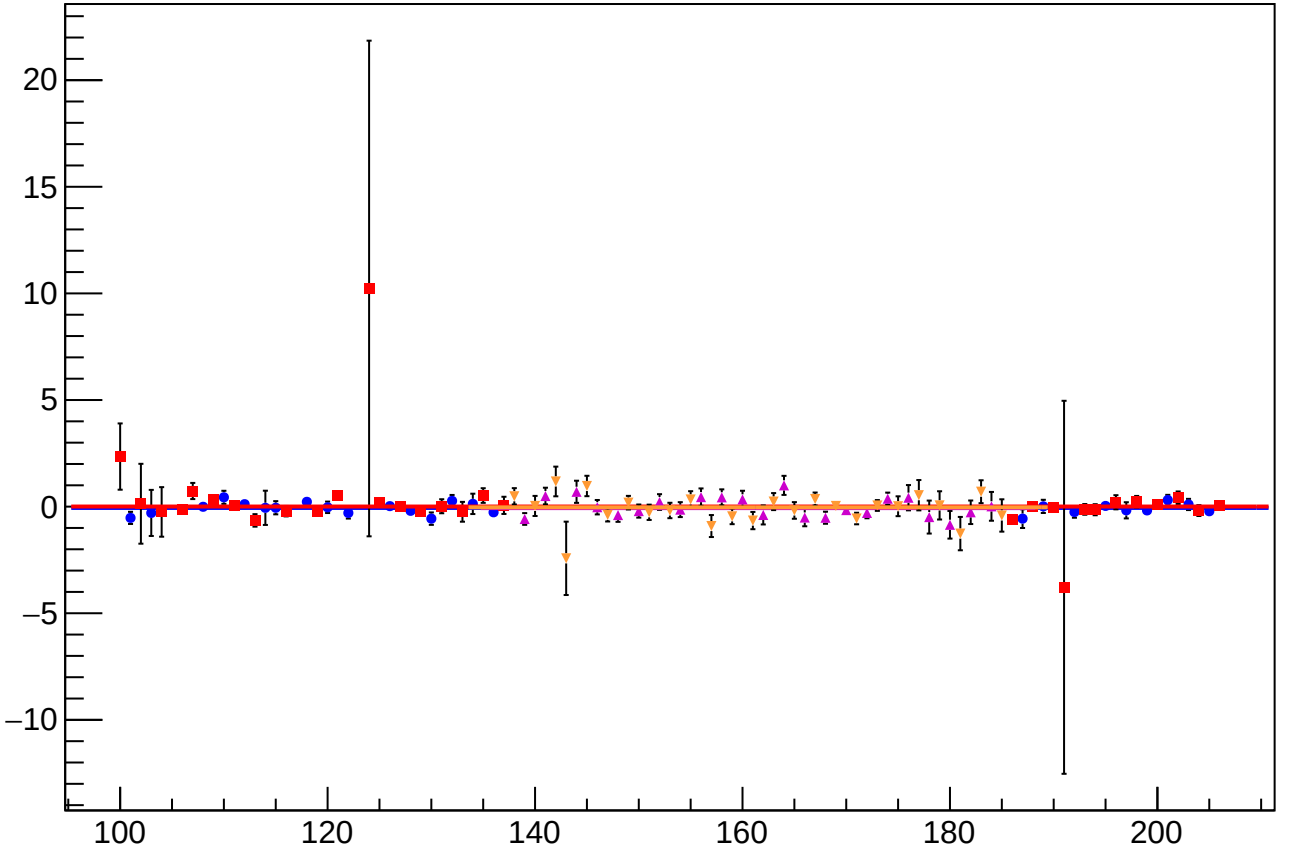
Right: 0.000+/-0.000 χ^2/NDF: 14602672.6/55

In: 0.000+/-0.000 χ^2/NDF:9495613.6/47

Out: 0.000+/-0.000 χ^2/NDF:10795172.5/55

All: 0.000+/-0.000 χ^2/NDF: 20301399.4/103

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

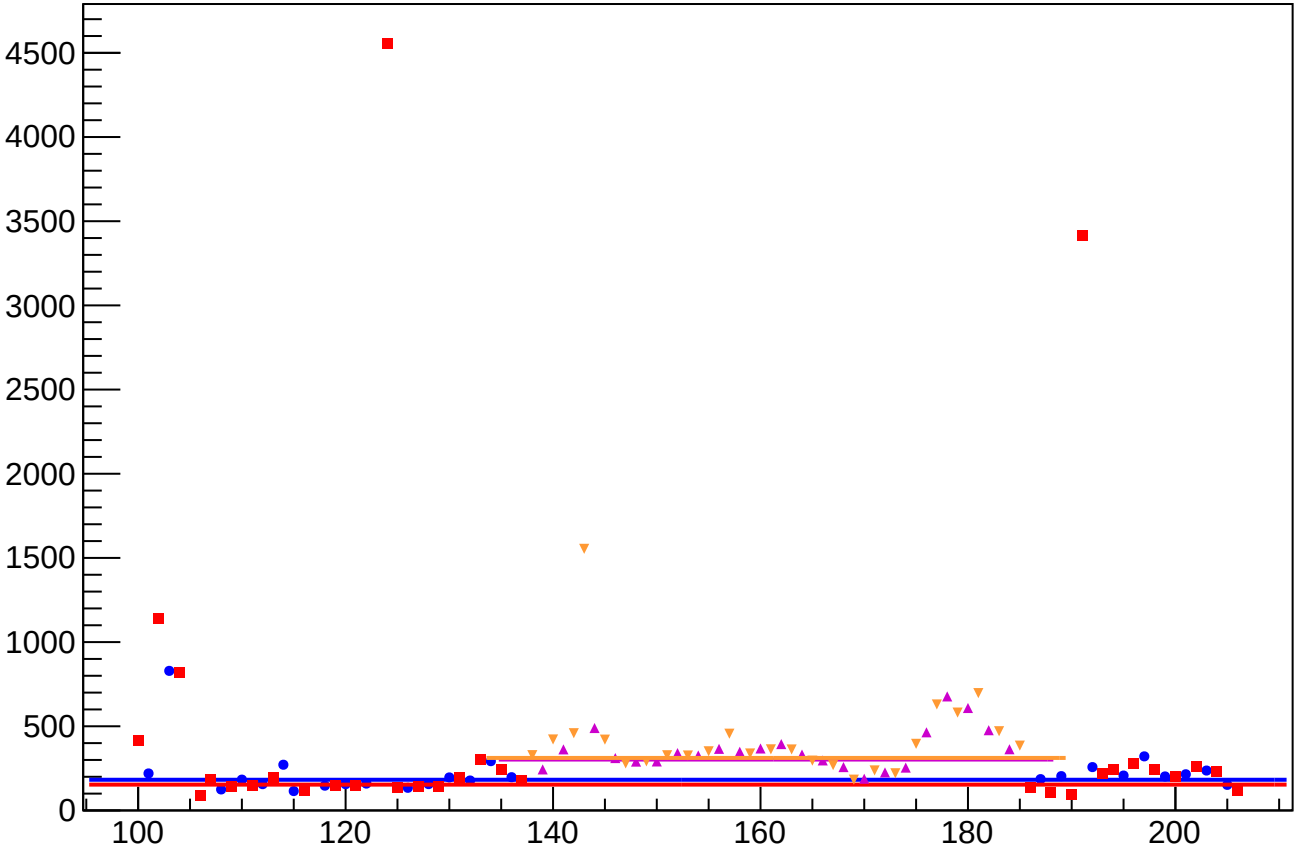
Right: -0.022+/-0.033 χ^2/NDF: 61.6/55

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.030+/-0.028 χ^2/NDF: 124.4/103

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

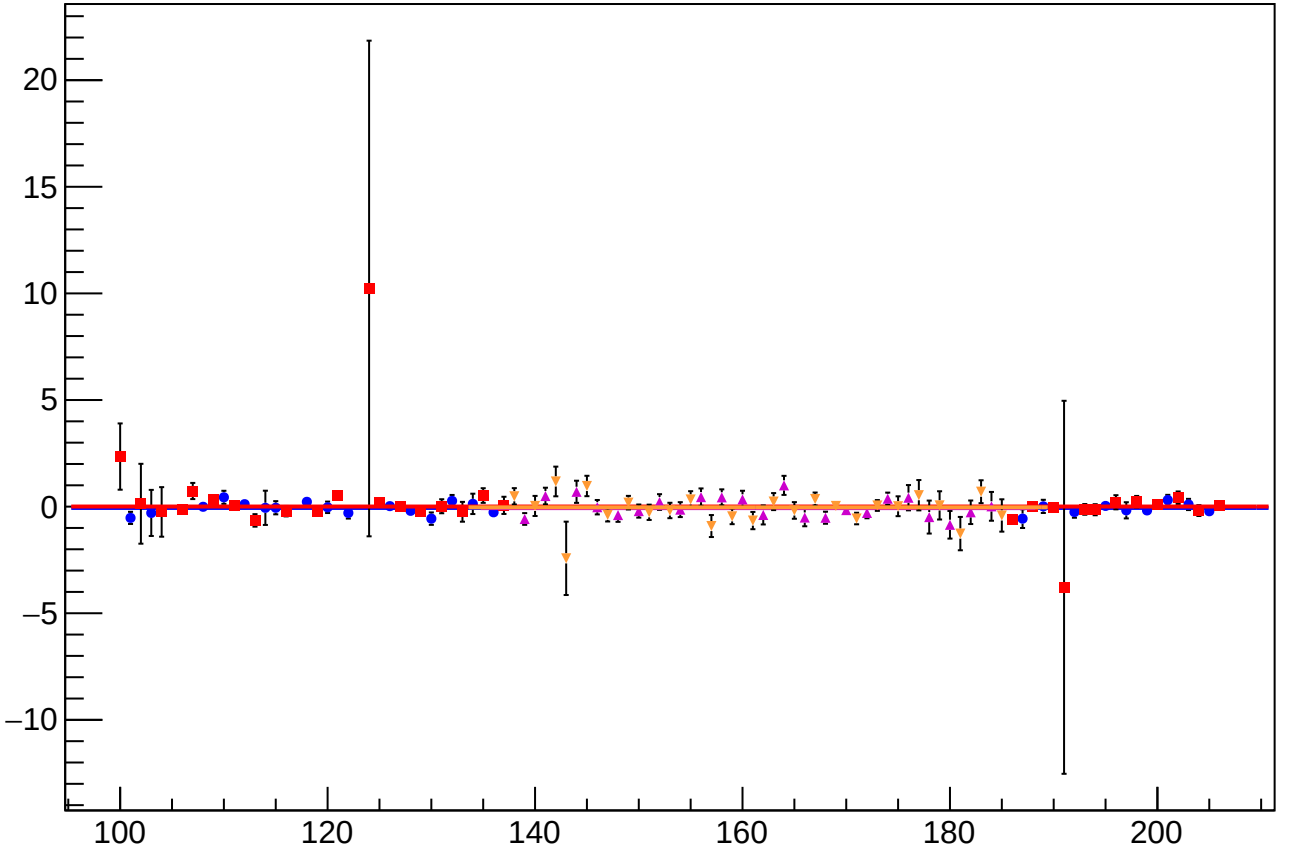
Right: 165.195+/-0.024 χ^2/NDF: 7179421.0/55

In: 221.879+/-0.030 χ^2/NDF:8305608.0/47

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 204.993+/-0.020 χ^2/NDF: 24442299.3/10

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

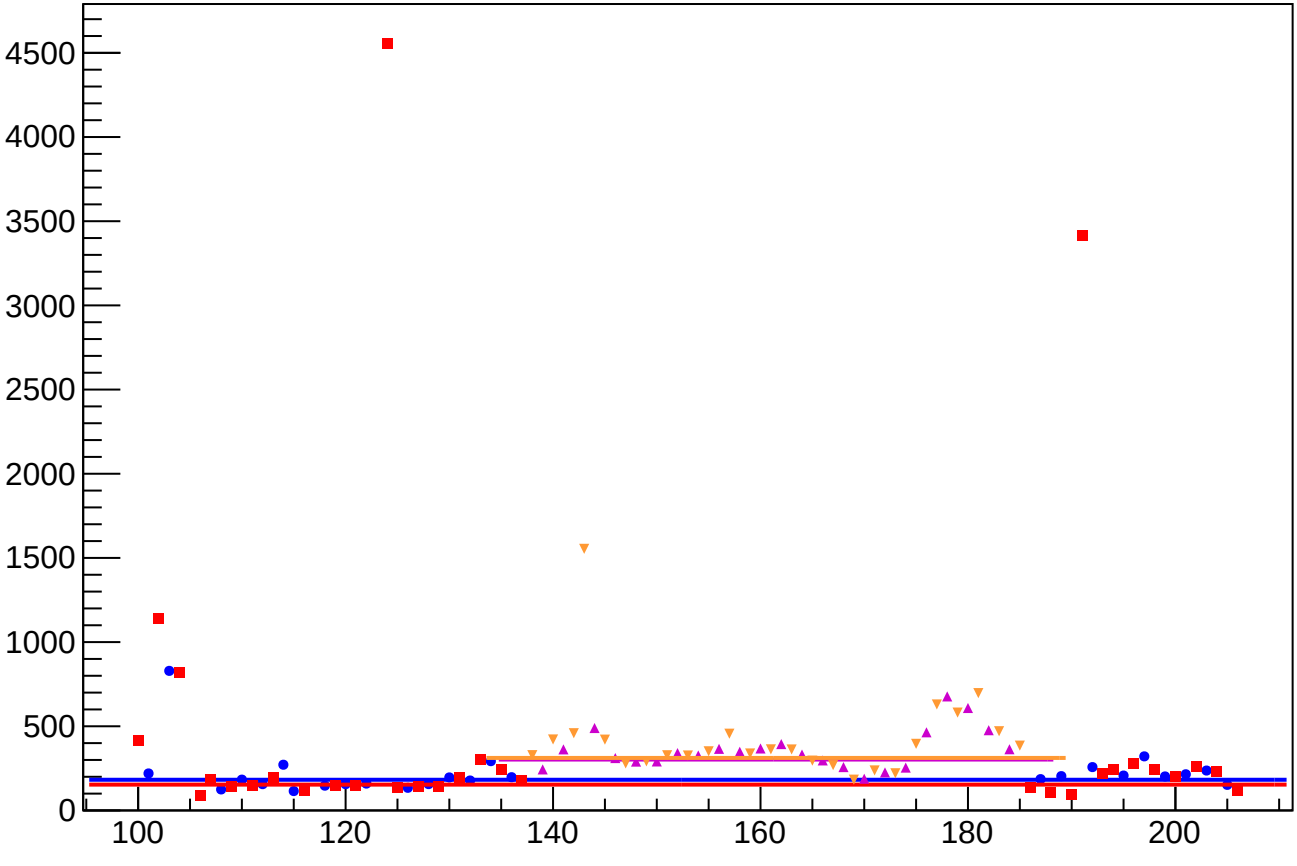
Right: -0.022+/-0.033 χ^2/NDF: 61.6/55

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.030+/-0.028 χ^2/NDF: 124.4/103

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

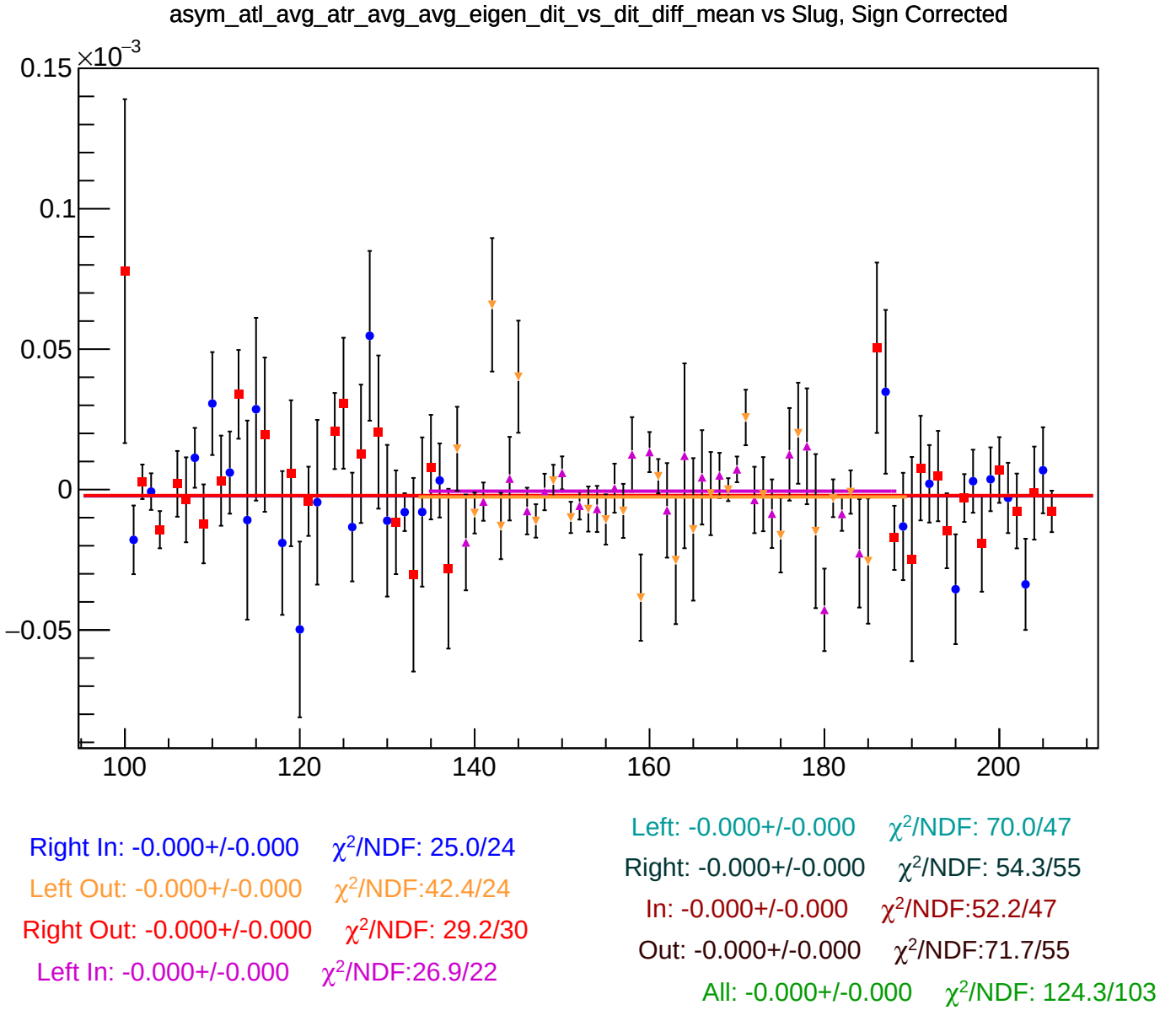
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 165.195+/-0.024 χ^2/NDF: 7179421.0/55

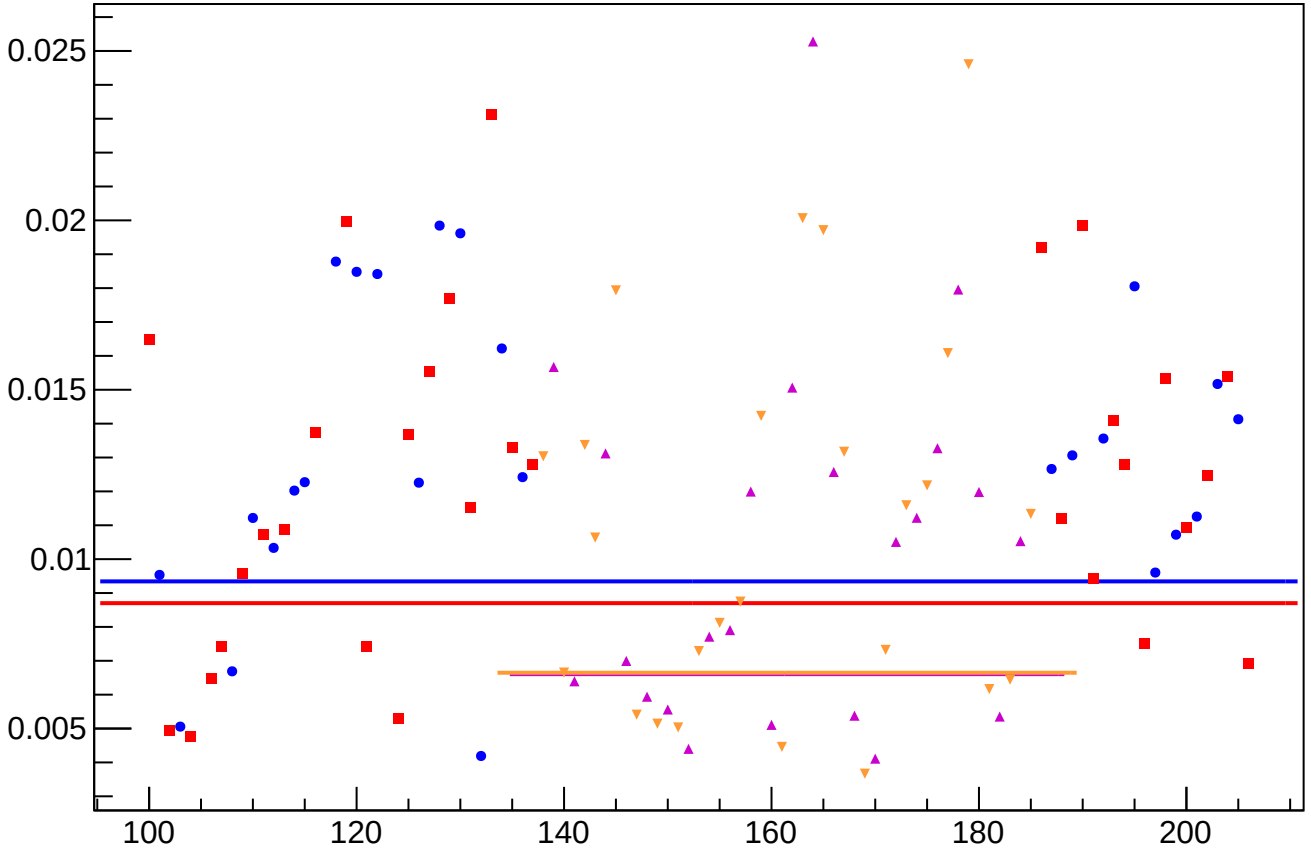
In: 221.879+/-0.030 χ^2/NDF:8305608.0/47

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 204.993+/-0.020 χ^2/NDF: 24442299.3/10


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.0/24
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.2/30
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 54.3/55
In: -0.000+/-0.000 χ²/NDF:52.2/47
Out: -0.000+/-0.000 χ²/NDF:71.7/55
All: -0.000+/-0.000 χ²/NDF: 124.3/103

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4887055.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5209744.5/30

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

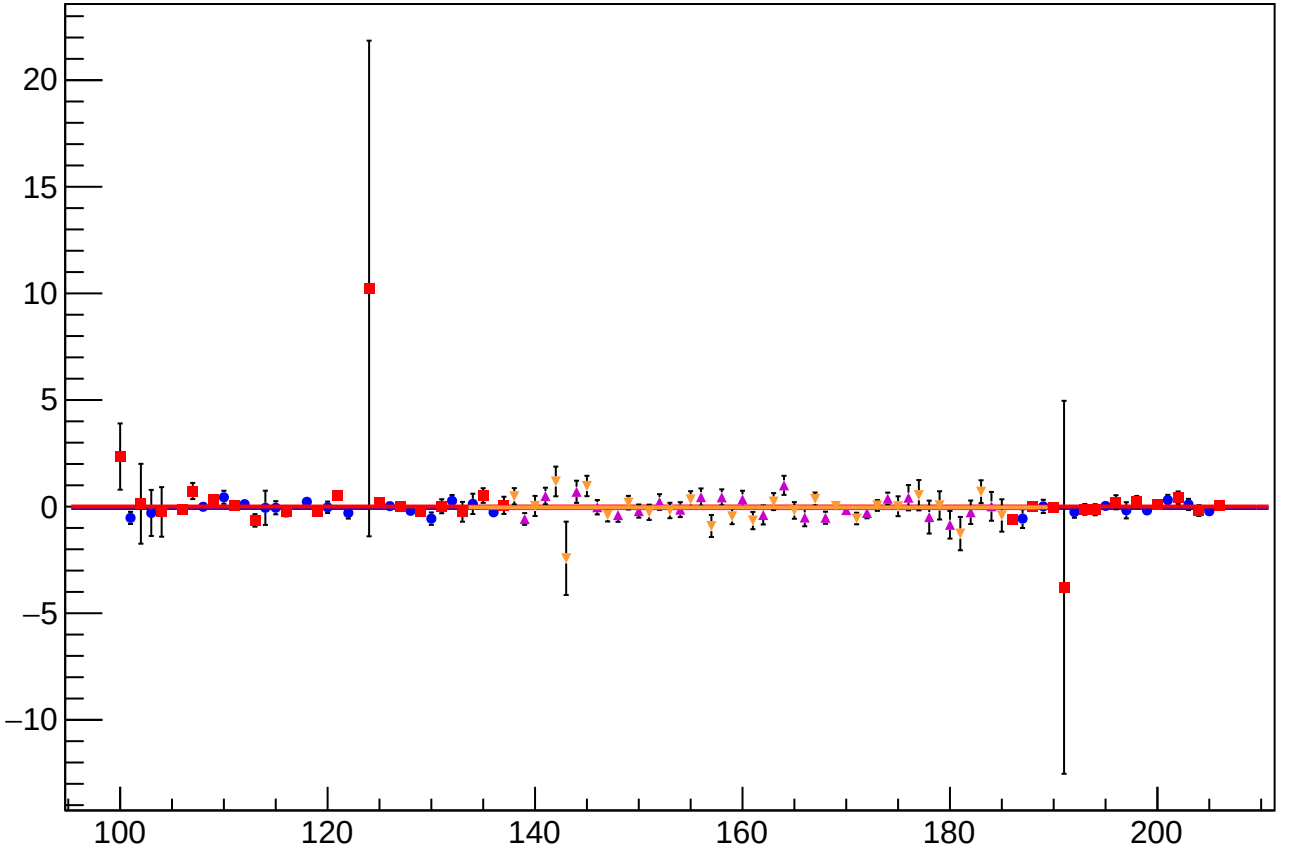
Right: 0.009+/-0.000 χ^2/NDF: 10158009.9/55

In: 0.007+/-0.000 χ^2/NDF:12113041.2/47

Out: 0.007+/-0.000 χ^2/NDF:13692366.8/55

All: 0.007+/-0.000 χ^2/NDF: 25806016.9/103

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

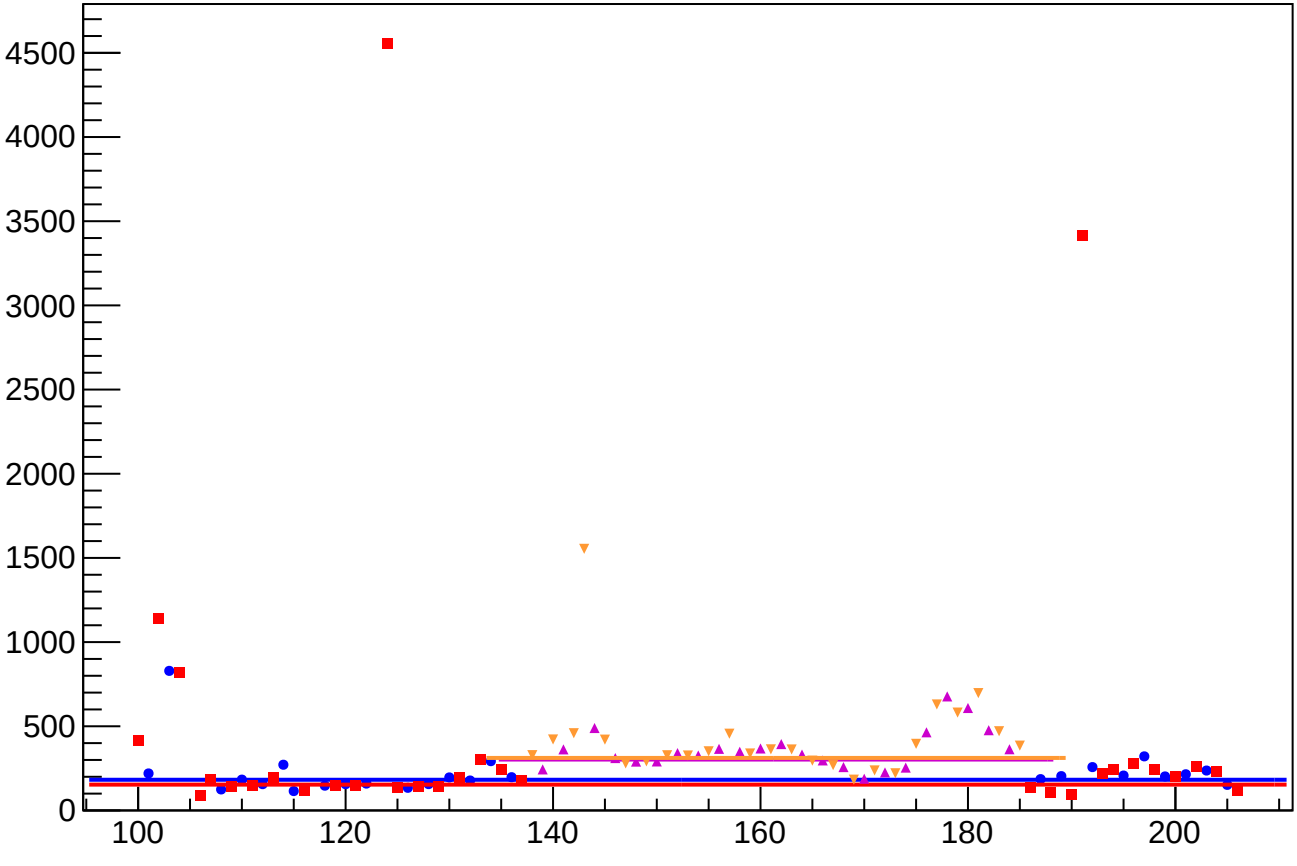
Right: -0.022+/-0.033 χ^2/NDF: 61.6/55

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.030+/-0.028 χ^2/NDF: 124.4/103

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

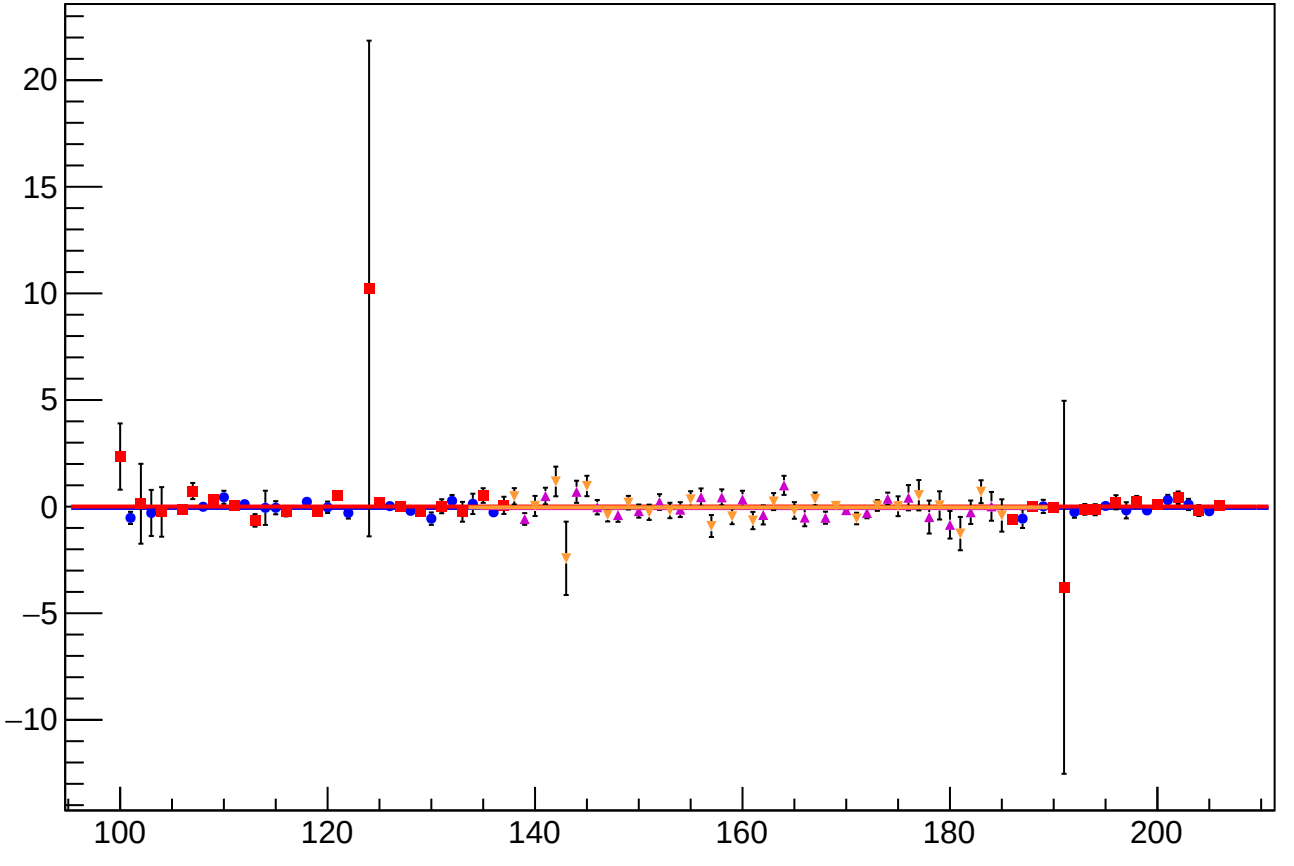
Right: 165.192+/-0.024 χ^2/NDF: 7179744.0/55

In: 221.878+/-0.030 χ^2/NDF:8305872.4/47

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 204.991+/-0.020 χ^2/NDF: 24443392.0/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

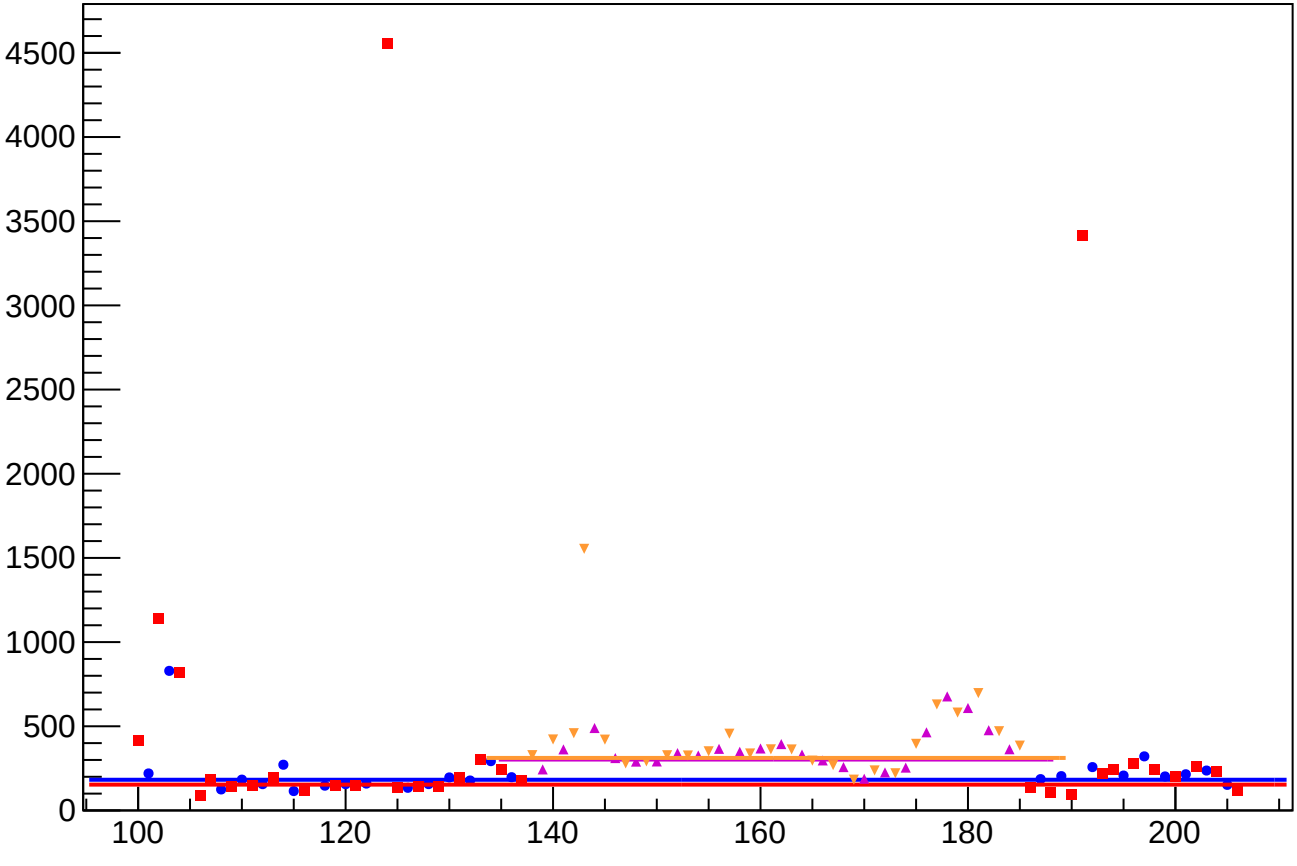
Right: -0.022+/-0.033 χ^2/NDF: 61.6/55

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.030+/-0.028 χ^2/NDF: 124.4/103

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

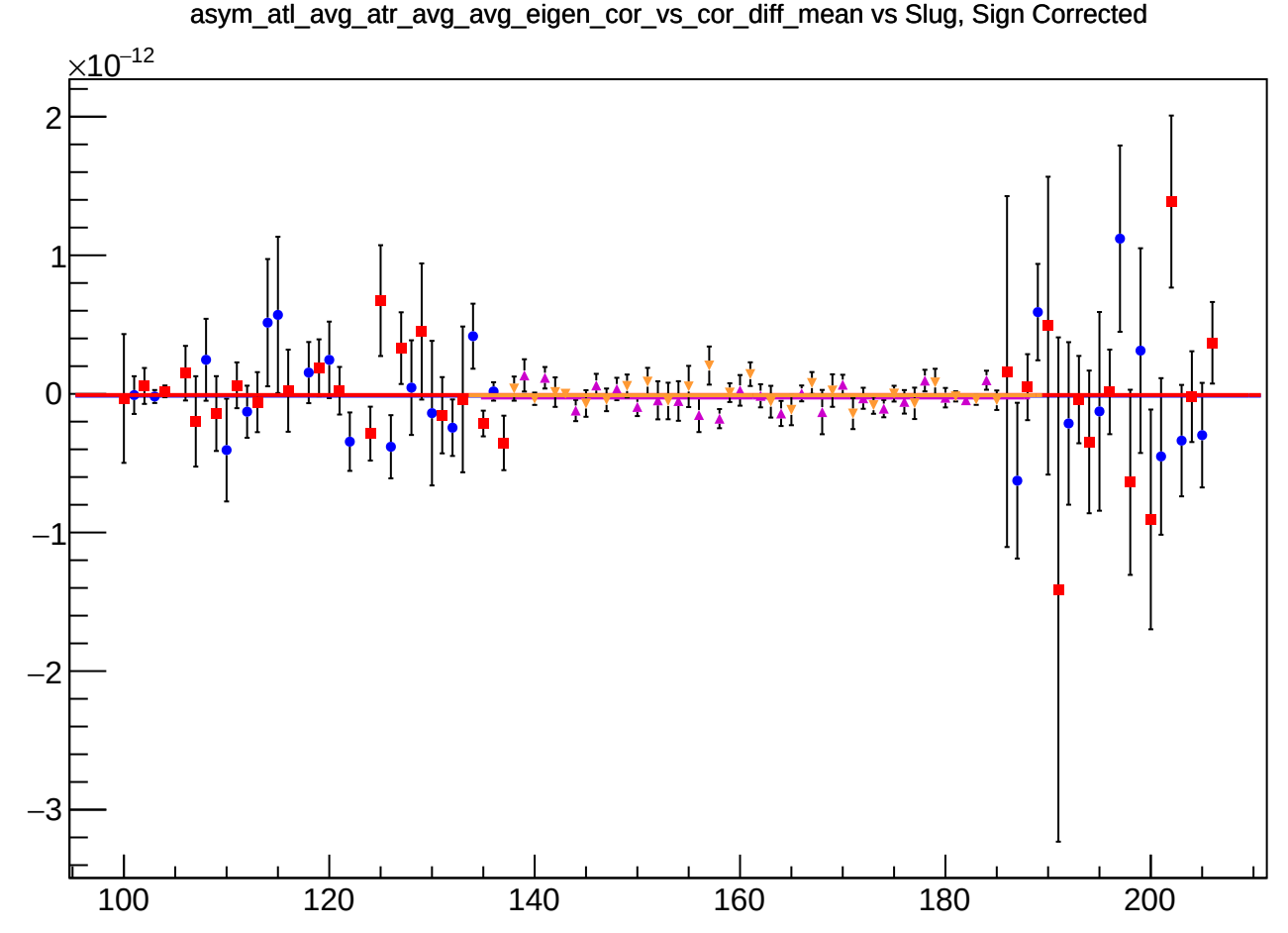
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 165.192+/-0.024 χ^2/NDF: 7179744.0/55

In: 221.878+/-0.030 χ^2/NDF:8305872.4/47

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 204.991+/-0.020 χ^2/NDF: 24443392.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/30

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

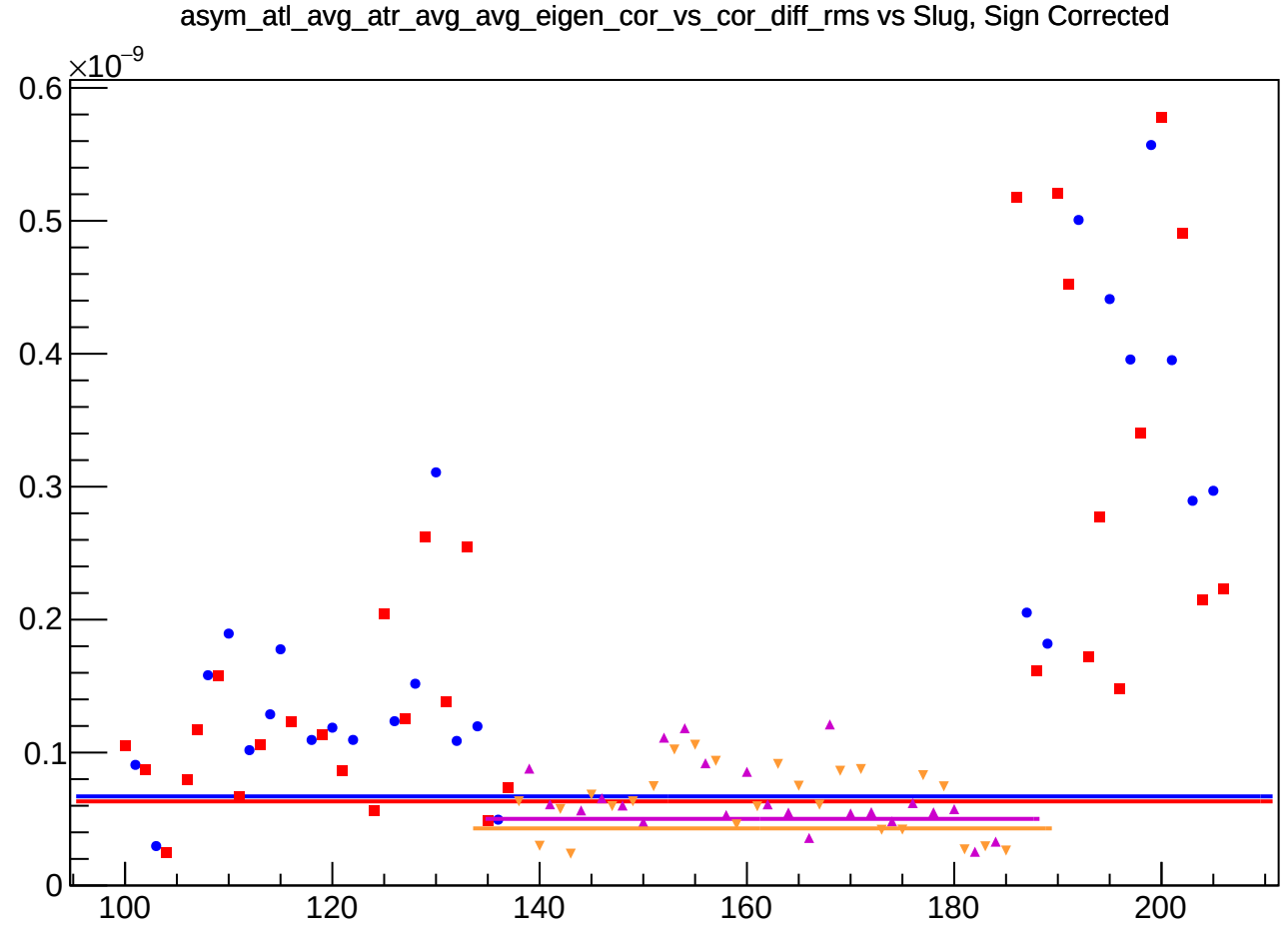
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 54.4/55

In: -0.000+/-0.000 χ^2/NDF:53.1/47

Out: -0.000+/-0.000 χ^2/NDF:45.3/55

All: -0.000+/-0.000 χ^2/NDF: 98.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 8525368.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8480241.6/30

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

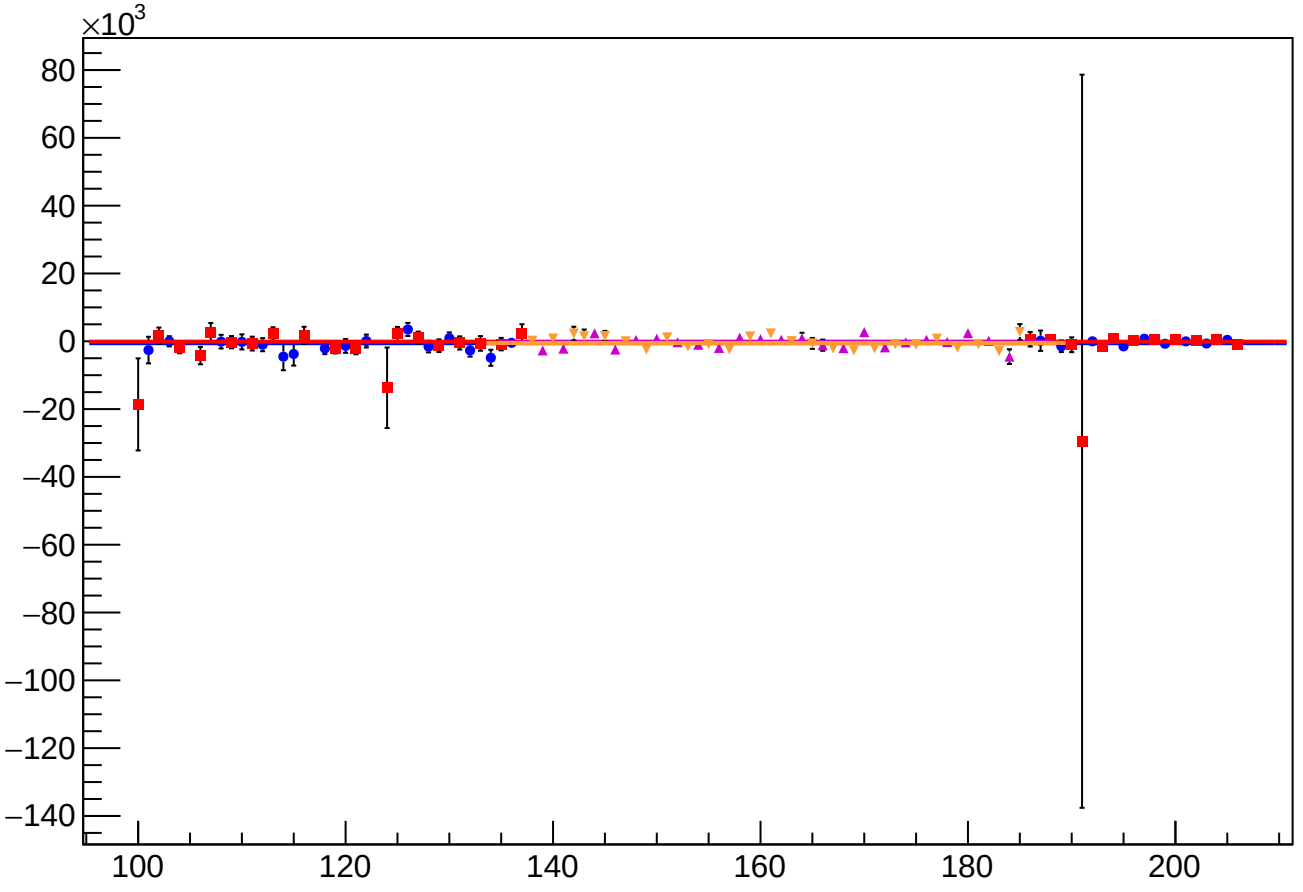
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17019958.6/55

In: 0.000+/-0.000 χ^2/NDF:12585554.7/47

Out: 0.000+/-0.000 χ^2/NDF:14300767.8/55

All: 0.000+/-0.000 χ^2/NDF: 27168522.8/103



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -106.976+/-322.543 χ^2/NDF: 19.6/30

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

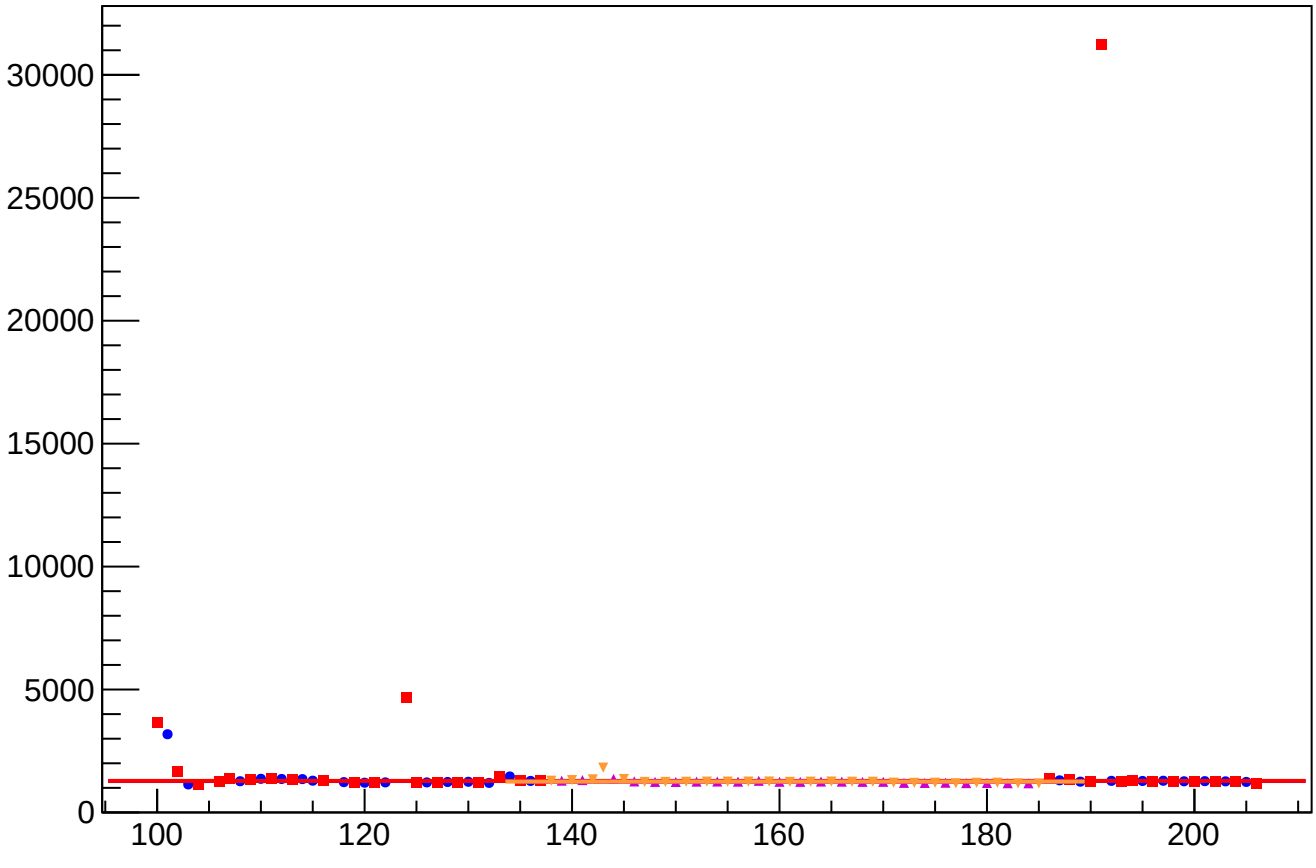
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -322.621+/-235.251 χ^2/NDF: 36.8/55

In: -378.414+/-222.209 χ^2/NDF:48.8/47

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -355.966+/-154.129 χ^2/NDF: 100.2/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

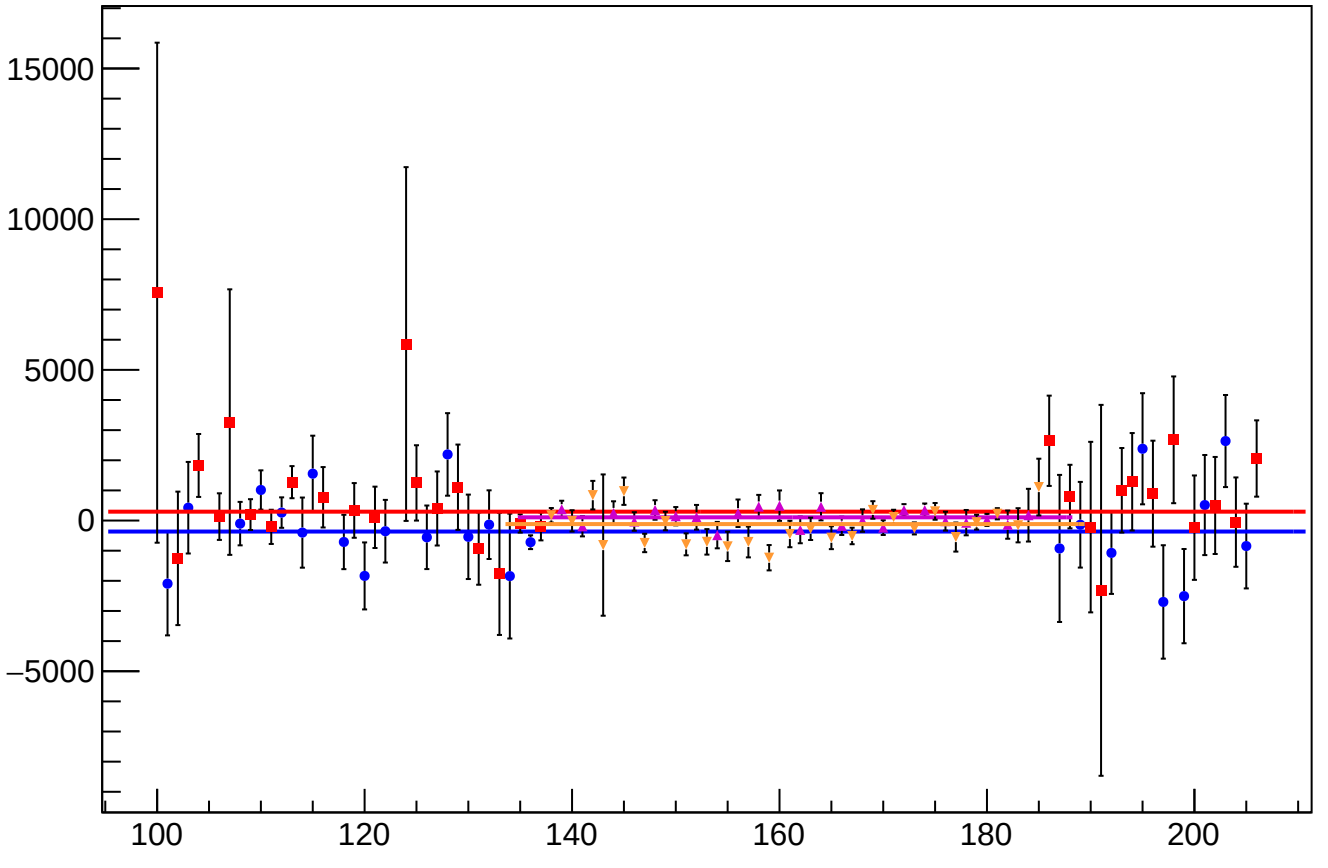
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.025+/-0.166 χ^2/NDF: 1028744.7/55

In: 1259.804+/-0.157 χ^2/NDF:571391.0/47

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1263.898+/-0.109 χ^2/NDF: 1291305.9/10



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 294.835+/-159.092 χ^2/NDF: 22.1/30

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

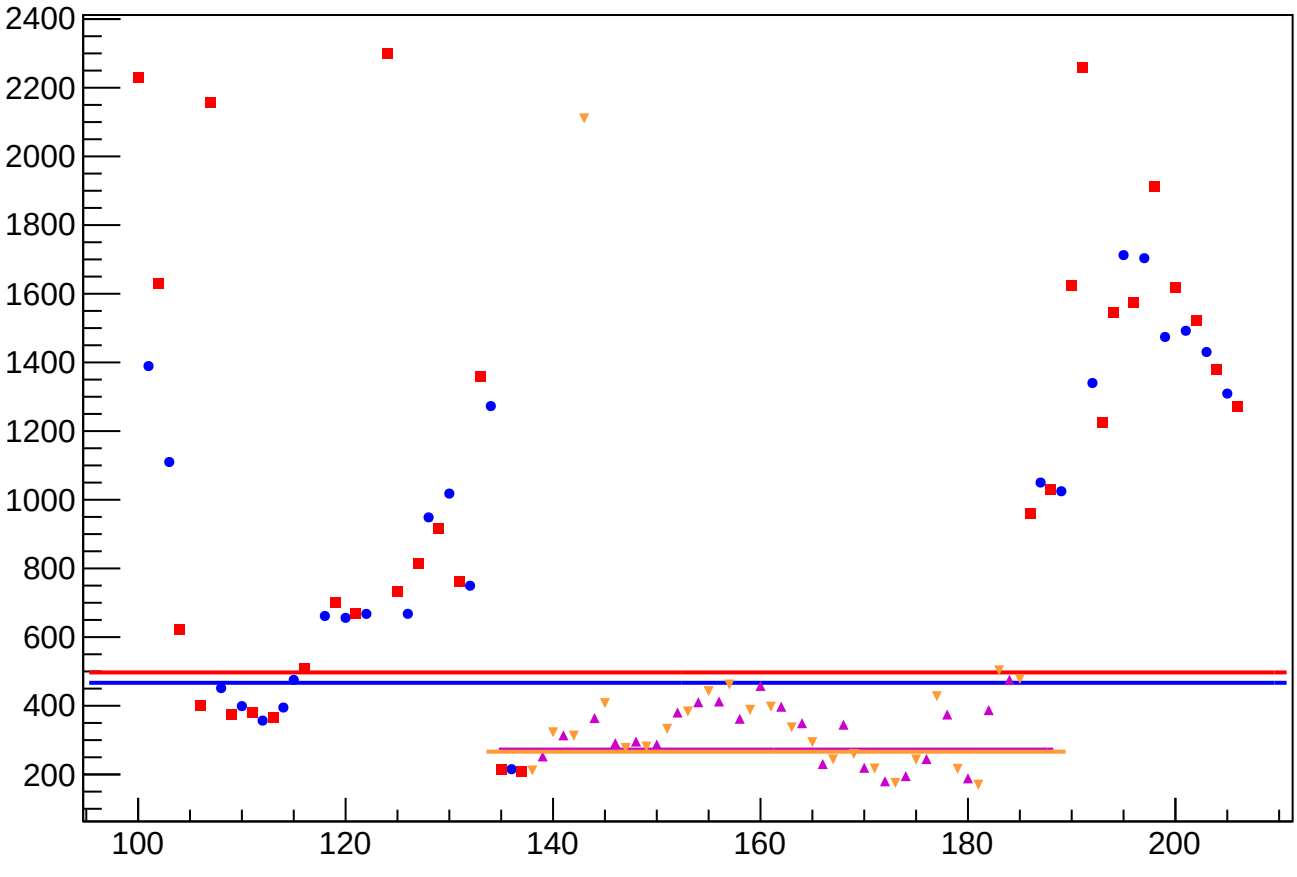
Right: -32.082+/-112.982 χ^2/NDF: 59.0/55

In: 37.269+/-61.828 χ^2/NDF:49.5/47

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -11.632+/-43.139 χ^2/NDF: 127.0/103

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

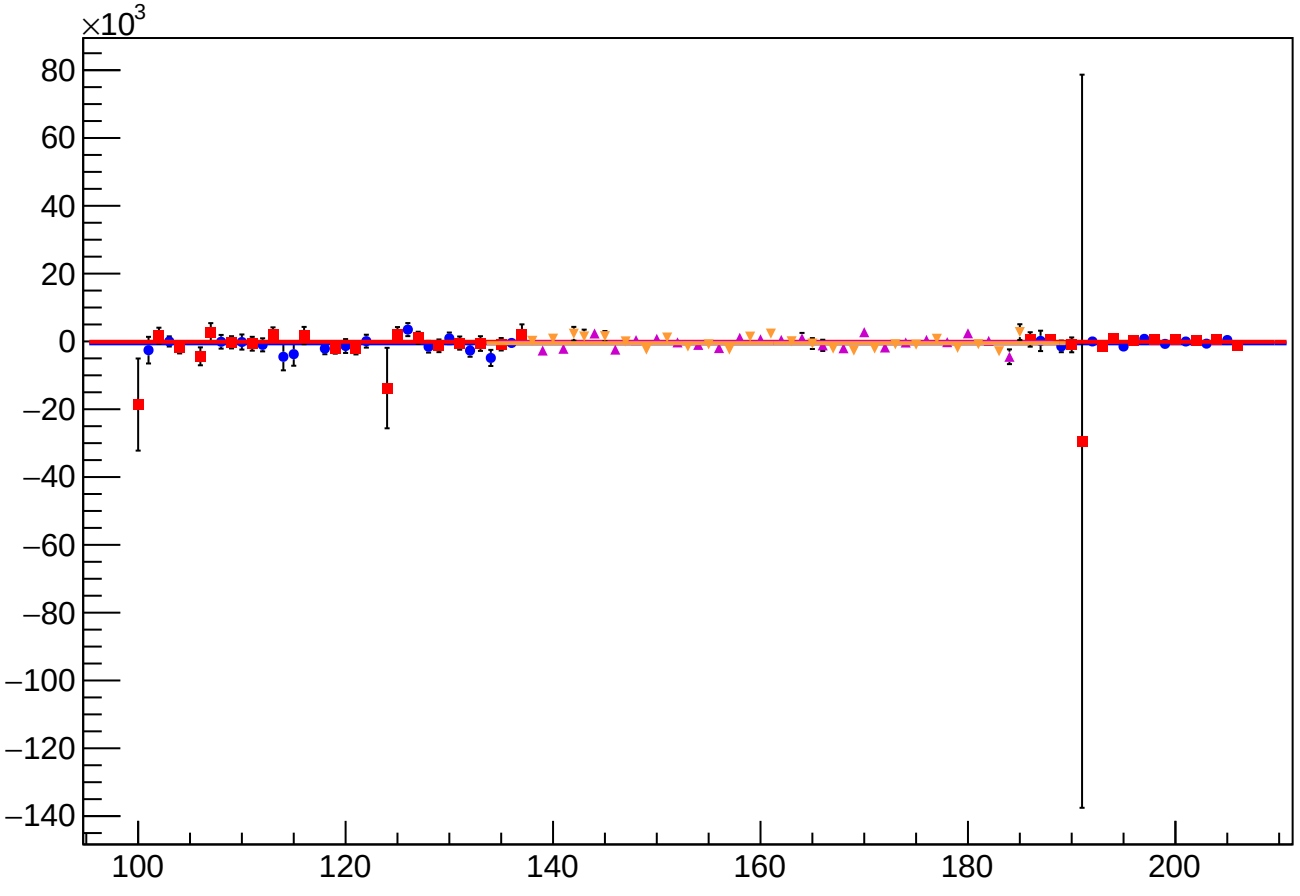
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 482.159+/-0.080 χ^2/NDF: 23205918.7/55

In: 301.252+/-0.044 χ^2/NDF:16282056.1/47

Out: 299.385+/-0.043 χ^2/NDF:20515826.8/55

All: 300.294+/-0.031 χ^2/NDF: 36798819.6/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

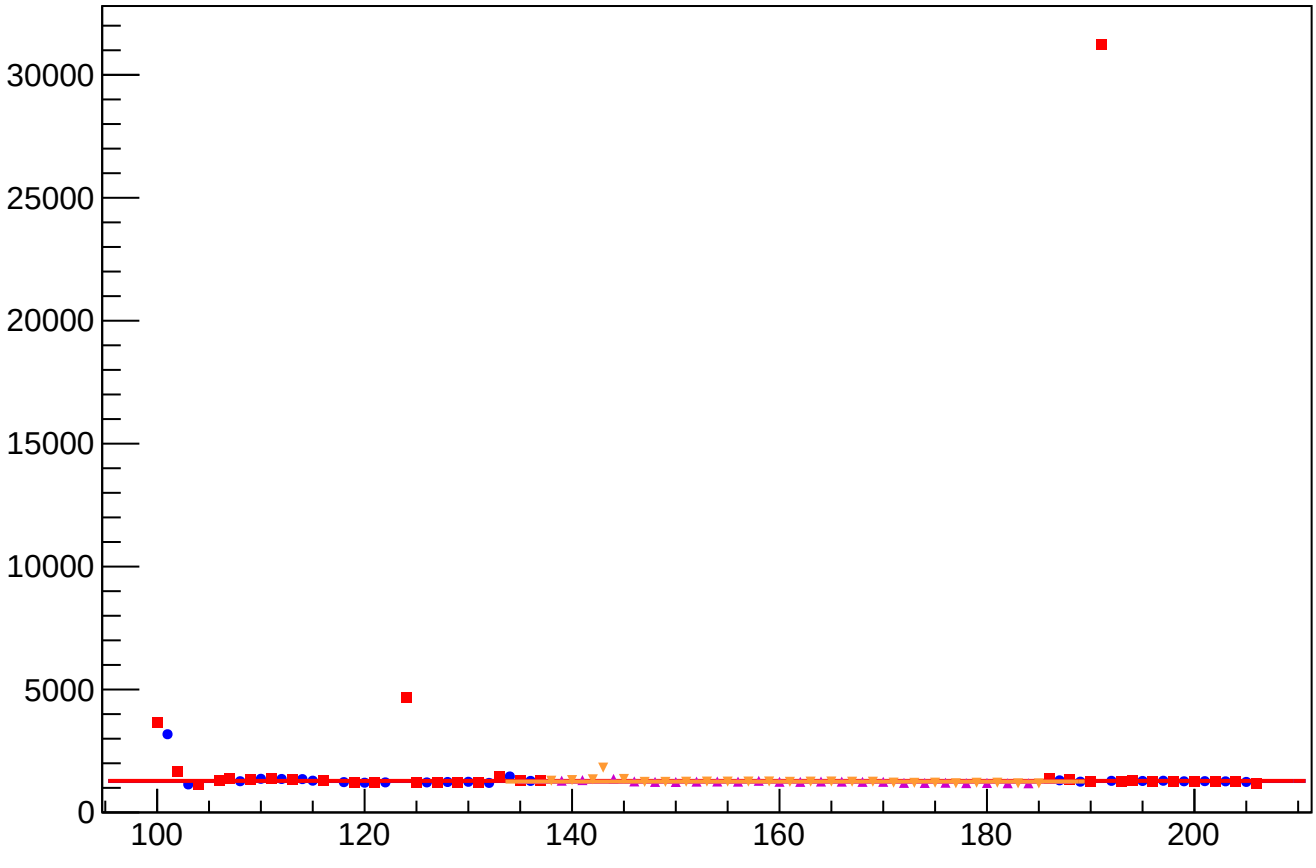
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -321.914+/-235.311 χ^2/NDF: 36.8/55

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -355.648+/-154.146 χ^2/NDF: 100.3/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

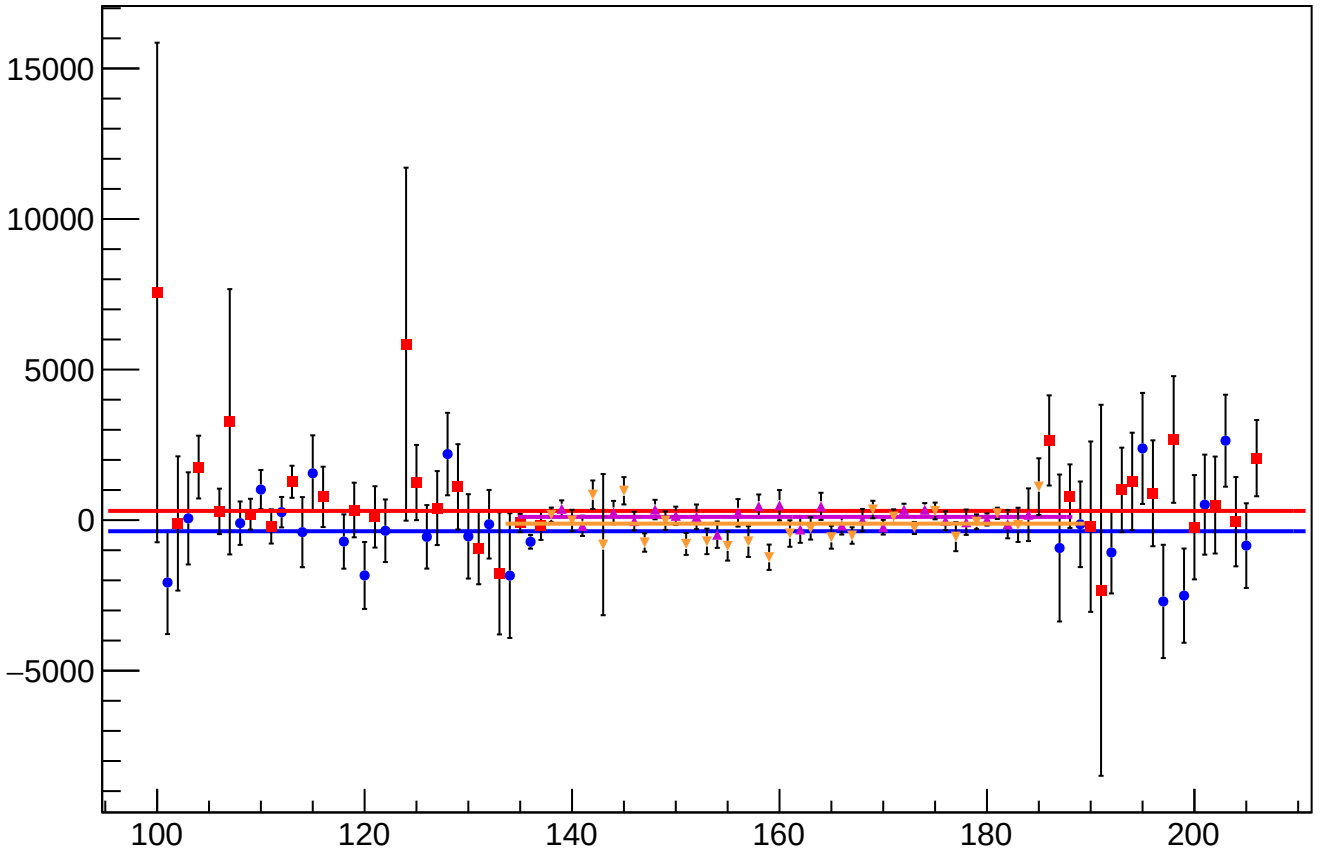
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.357+/-0.166 χ^2/NDF: 1028793.7/55

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

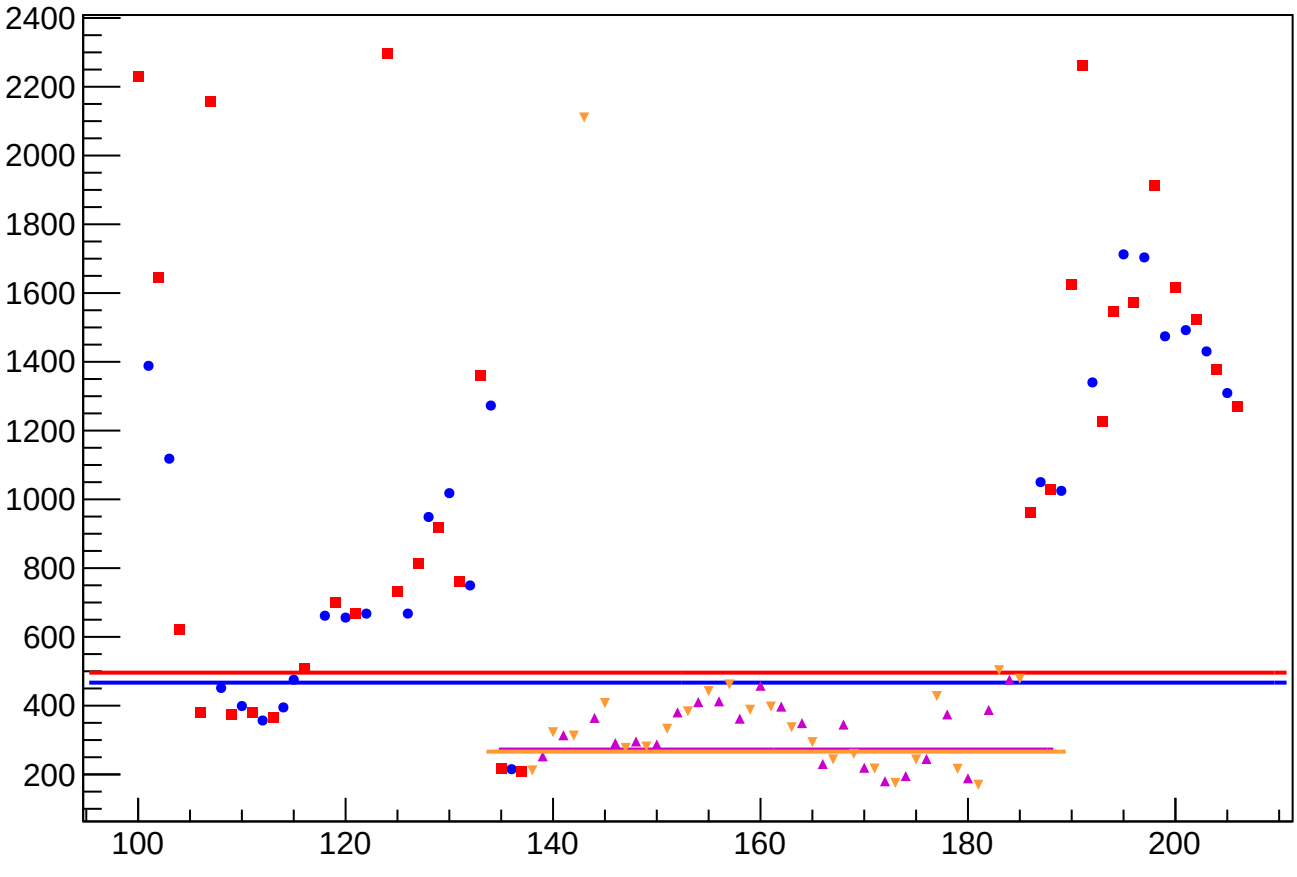
Right: -27.958+/-112.929 χ^2/NDF: 58.5/55

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -10.974+/-43.137 χ^2/NDF: 126.5/103

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

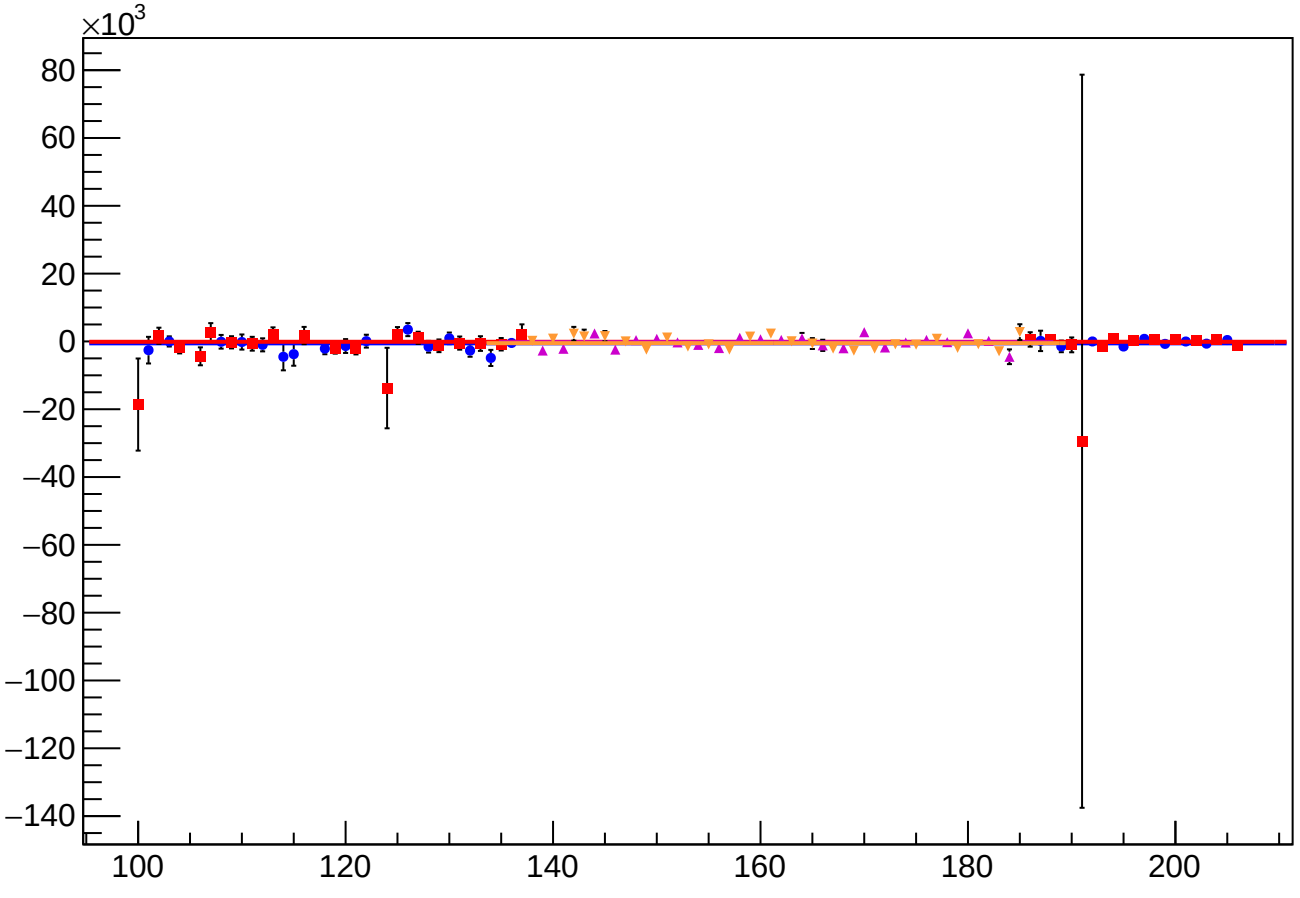
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 481.646+/-0.080 χ^2/NDF: 23229190.5/55

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

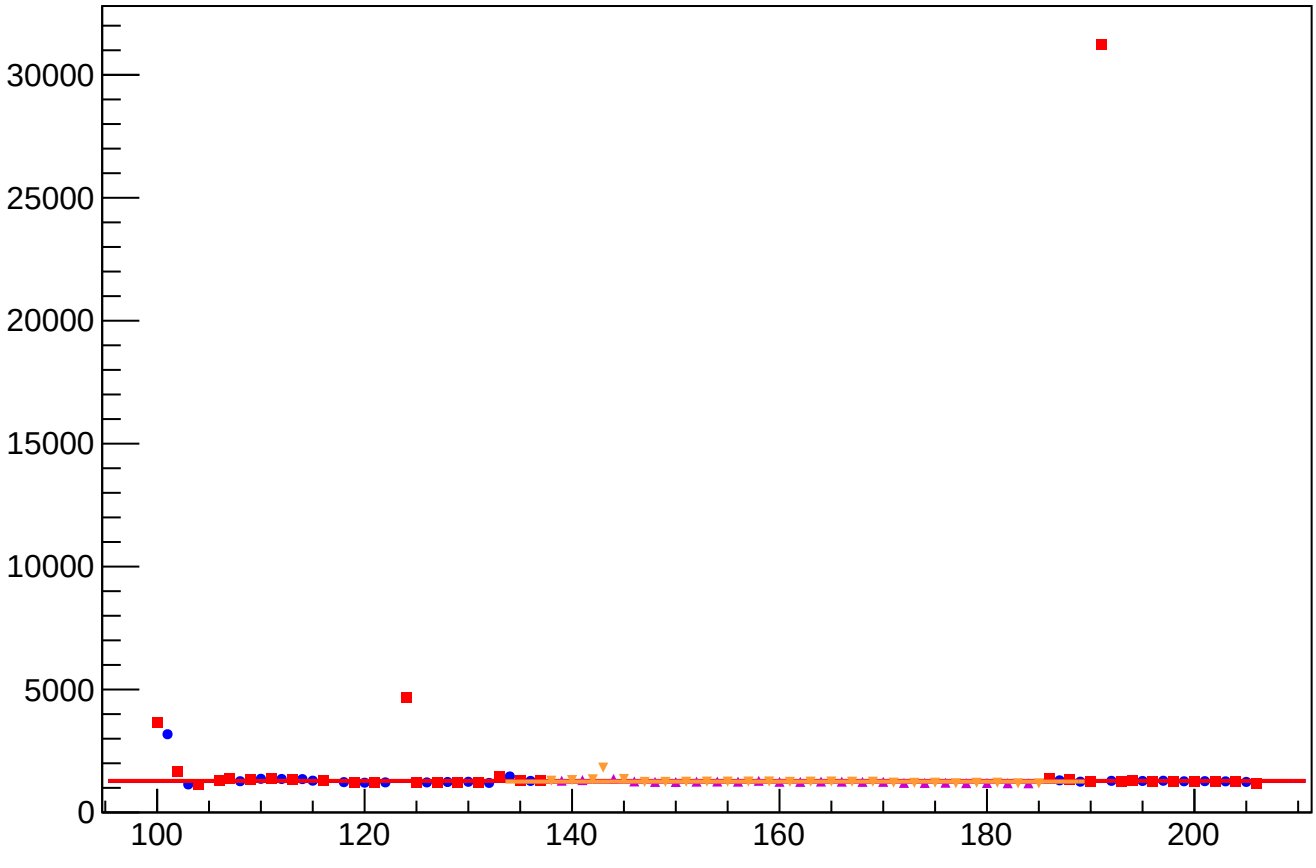
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -321.914+/-235.311 χ^2/NDF: 36.8/55

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -355.648+/-154.146 χ^2/NDF: 100.3/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

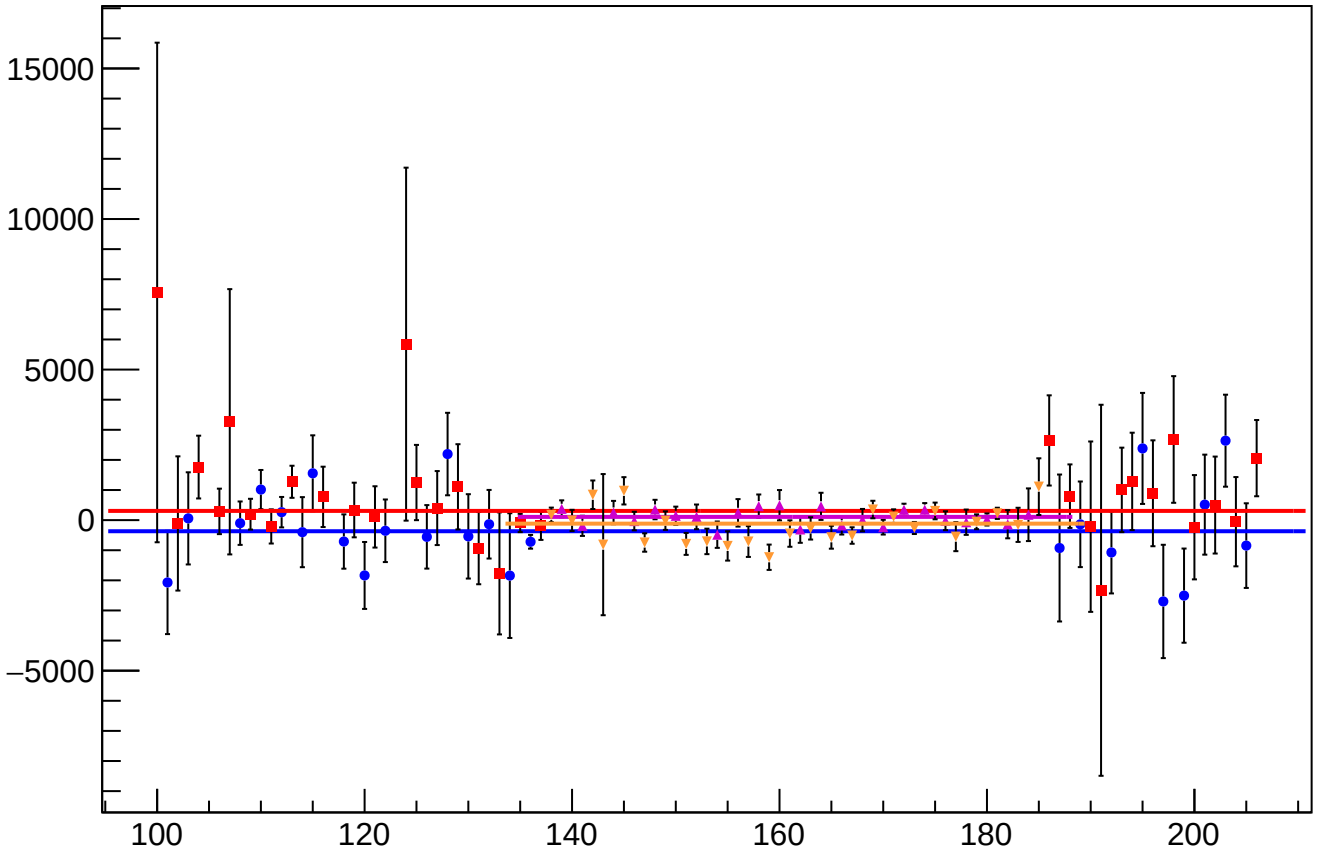
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.357+/-0.166 χ^2/NDF: 1028793.7/55

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

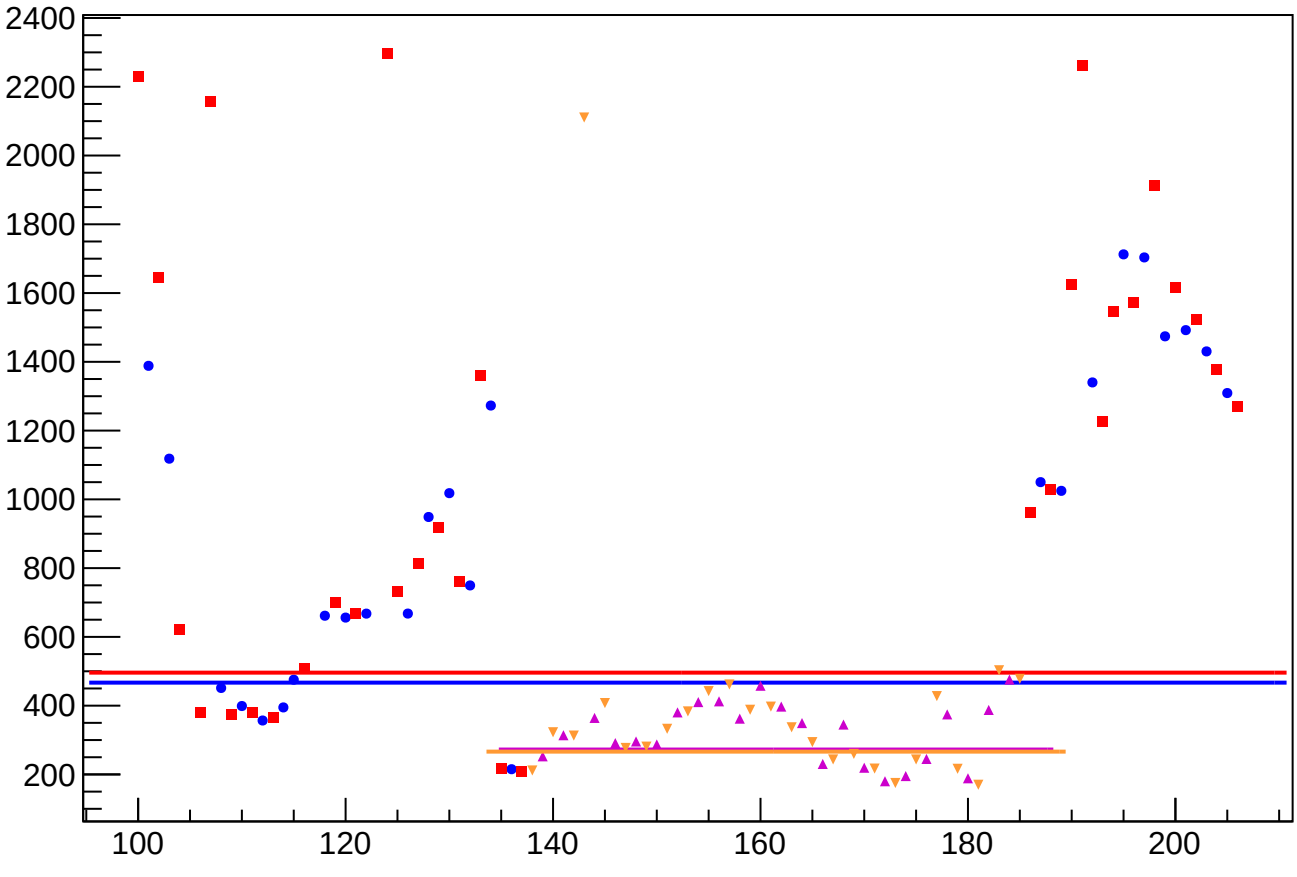
Right: -27.958+/-112.929 χ^2/NDF: 58.5/55

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -10.974+/-43.137 χ^2/NDF: 126.5/103

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

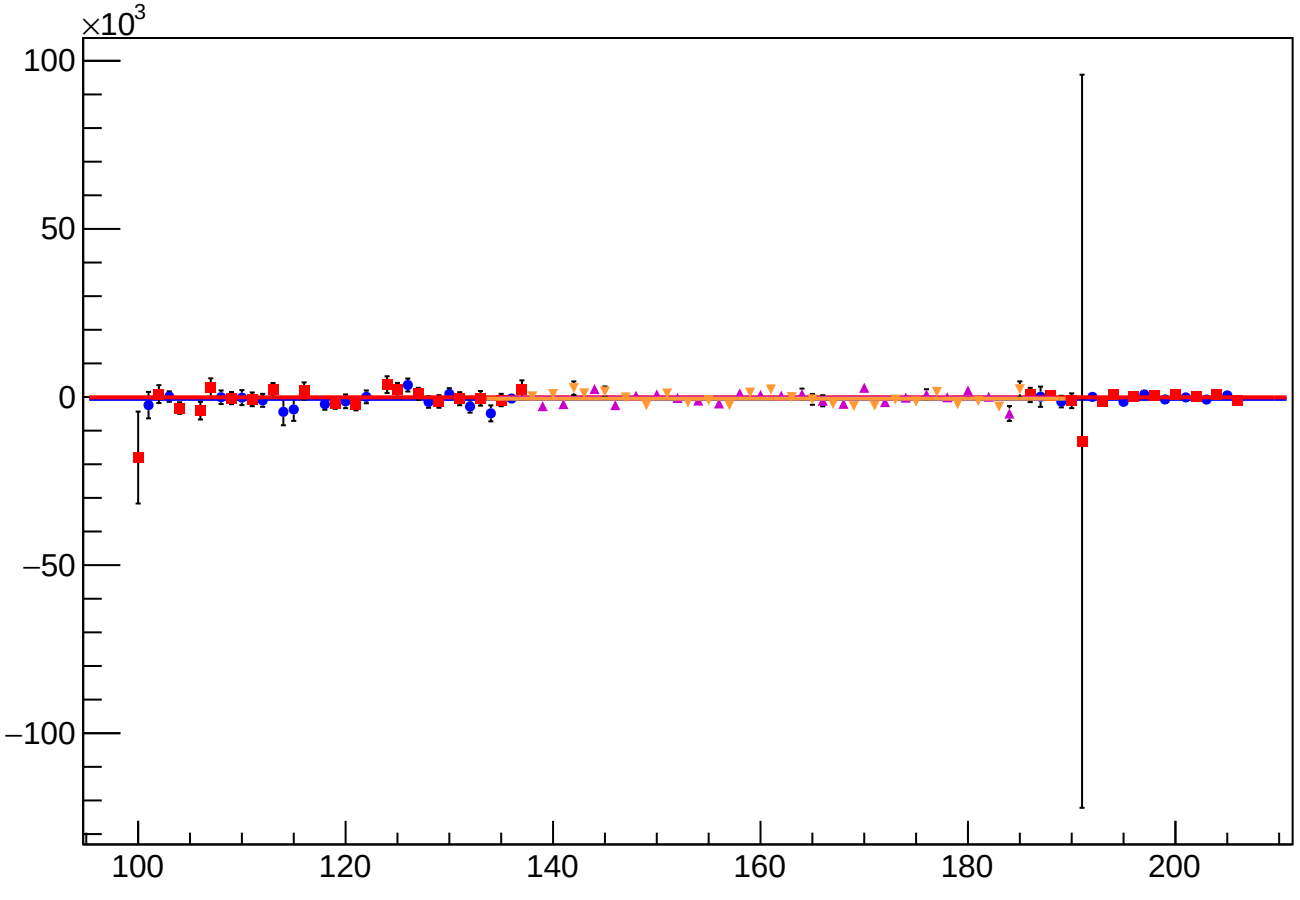
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 481.646+/-0.080 χ^2/NDF: 23229190.5/55

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.978 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

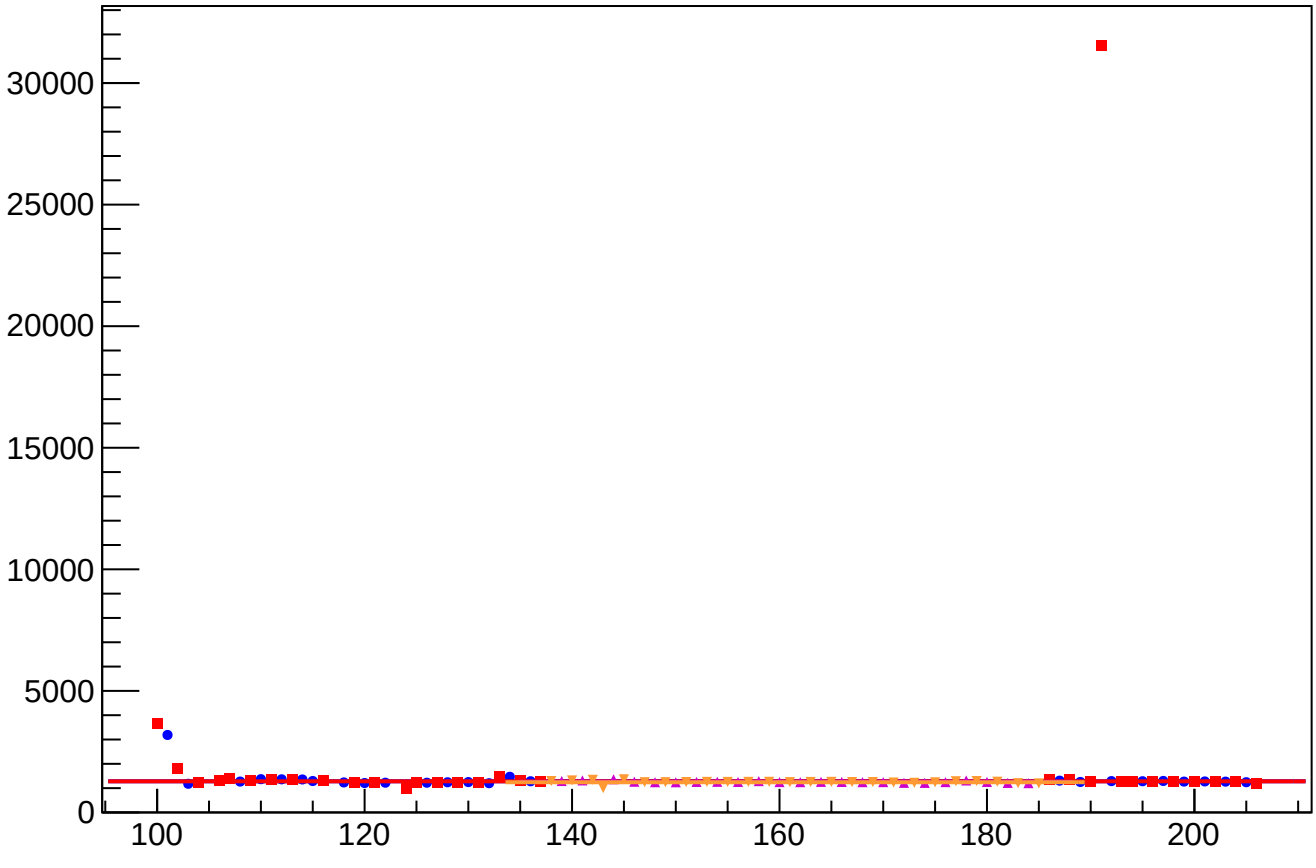
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -304.452+/-235.398 χ^2/NDF: 38.6/55

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -343.486+/-154.122 χ^2/NDF: 103.9/103



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

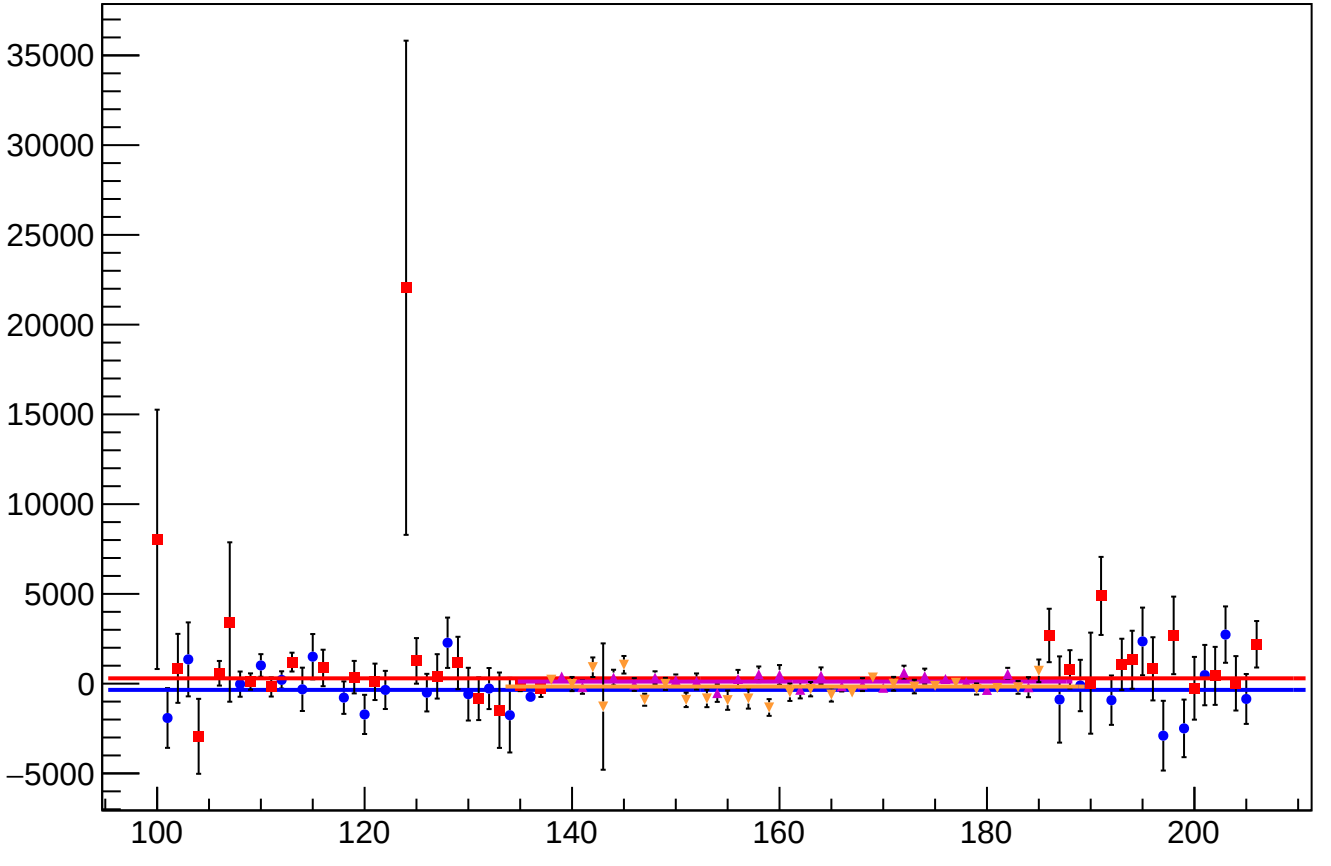
Right: 1281.931+/-0.166 χ^2/NDF: 900817.8/55

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1264.238+/-0.109 χ^2/NDF: 1082247.6/10

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.054+/-158.992 χ^2/NDF: 28.1/30

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

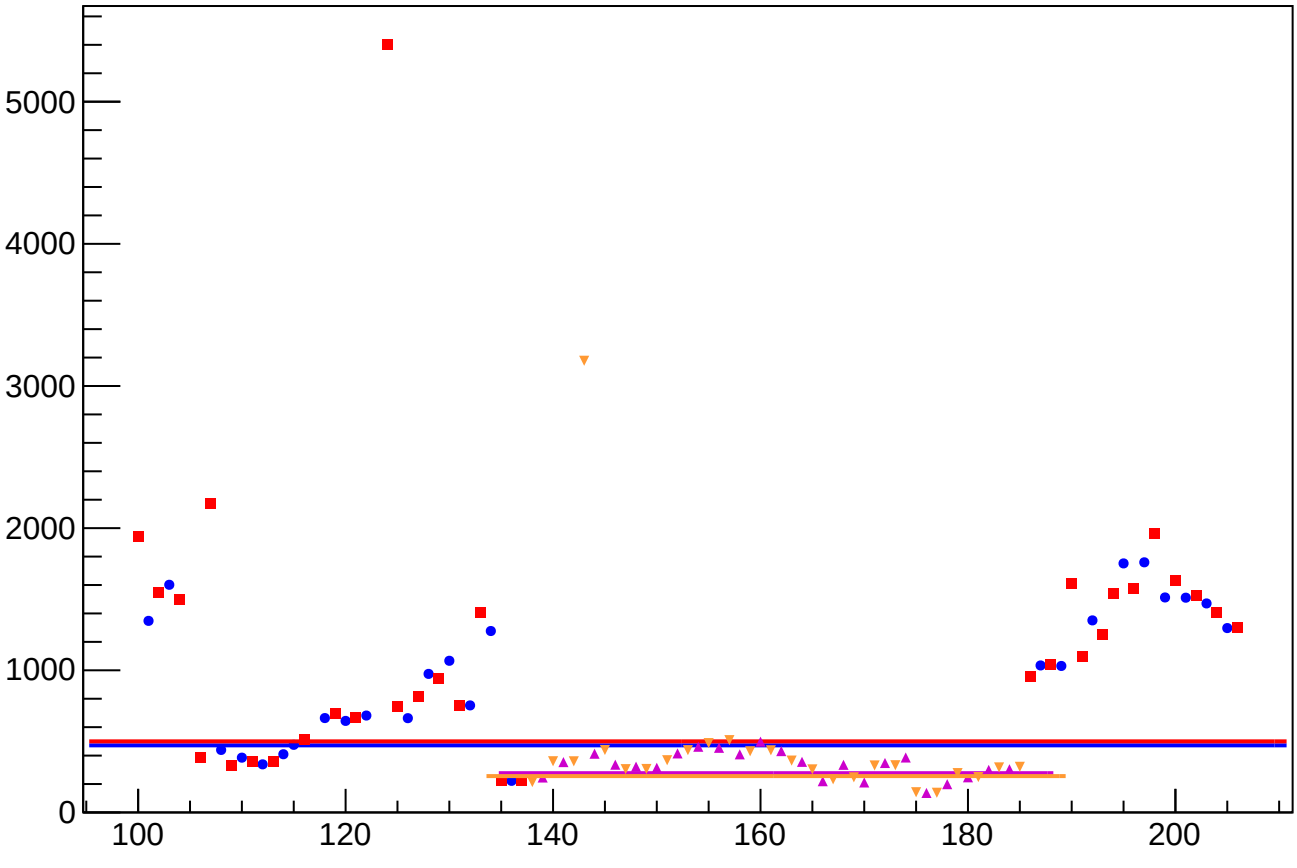
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -19.525+/-113.537 χ^2/NDF: 64.6/55

In: 43.249+/-63.369 χ^2/NDF:53.5/47

Out: -96.980+/-59.476 χ^2/NDF:78.9/55

All: -31.304+/-43.367 χ^2/NDF: 135.1/103



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

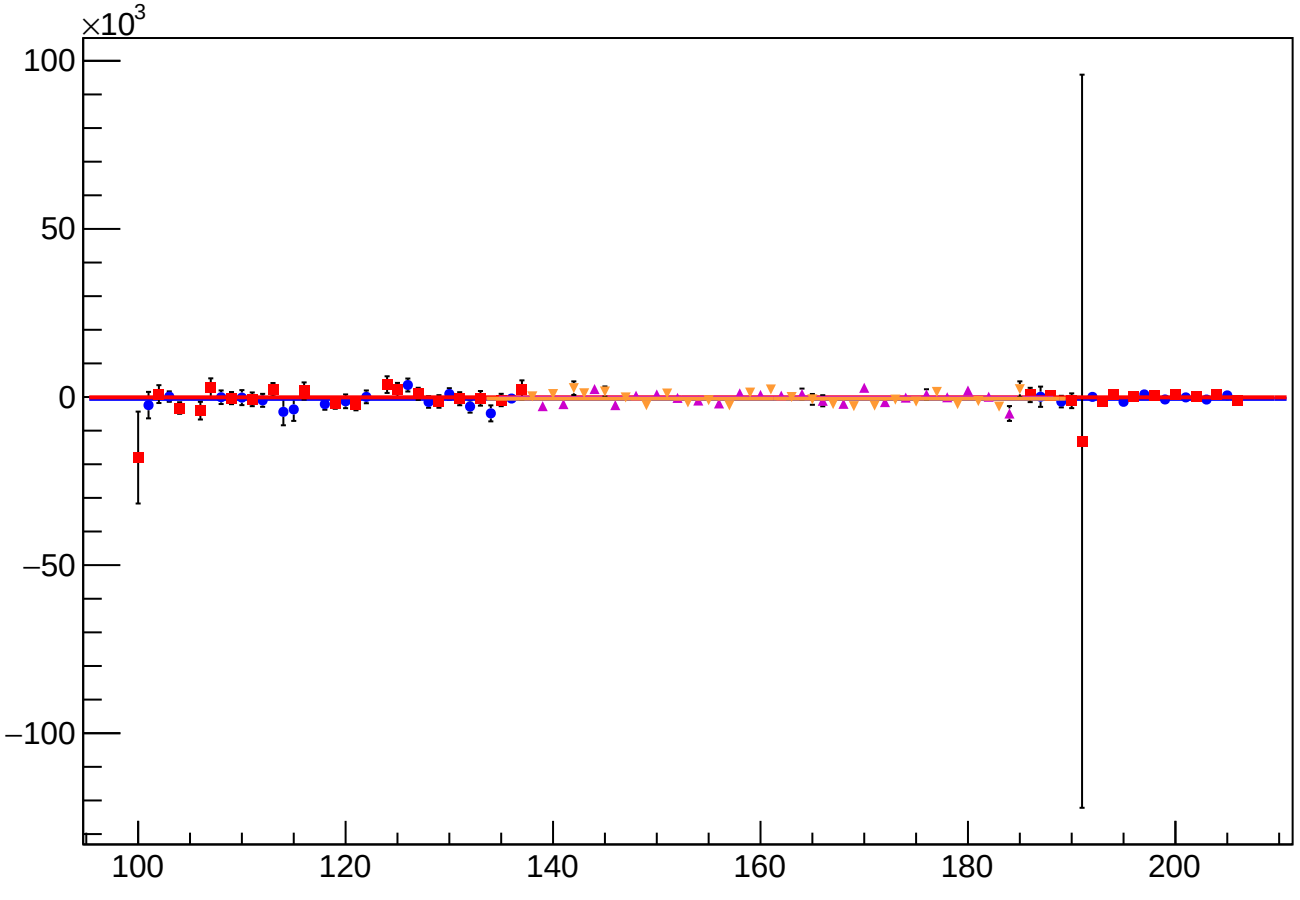
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 486.393+/-0.080 χ^2/NDF: 23899833.7/55

In: 306.184+/-0.045 χ^2/NDF:17534524.2/47

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 297.563+/-0.031 χ^2/NDF: 40873617.1/10



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.977 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

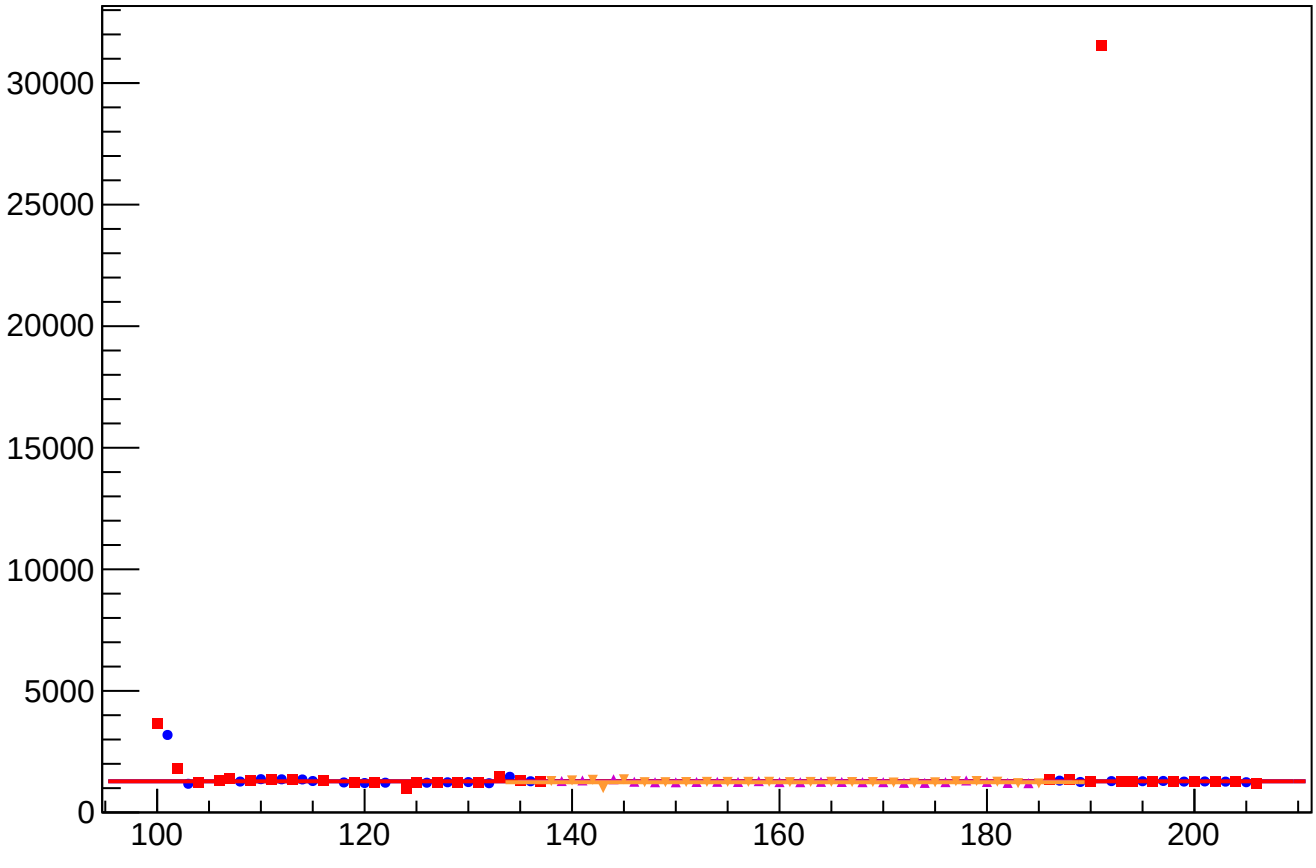
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -304.452+/-235.398 χ^2/NDF: 38.6/55

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -343.486+/-154.122 χ^2/NDF: 103.9/103



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

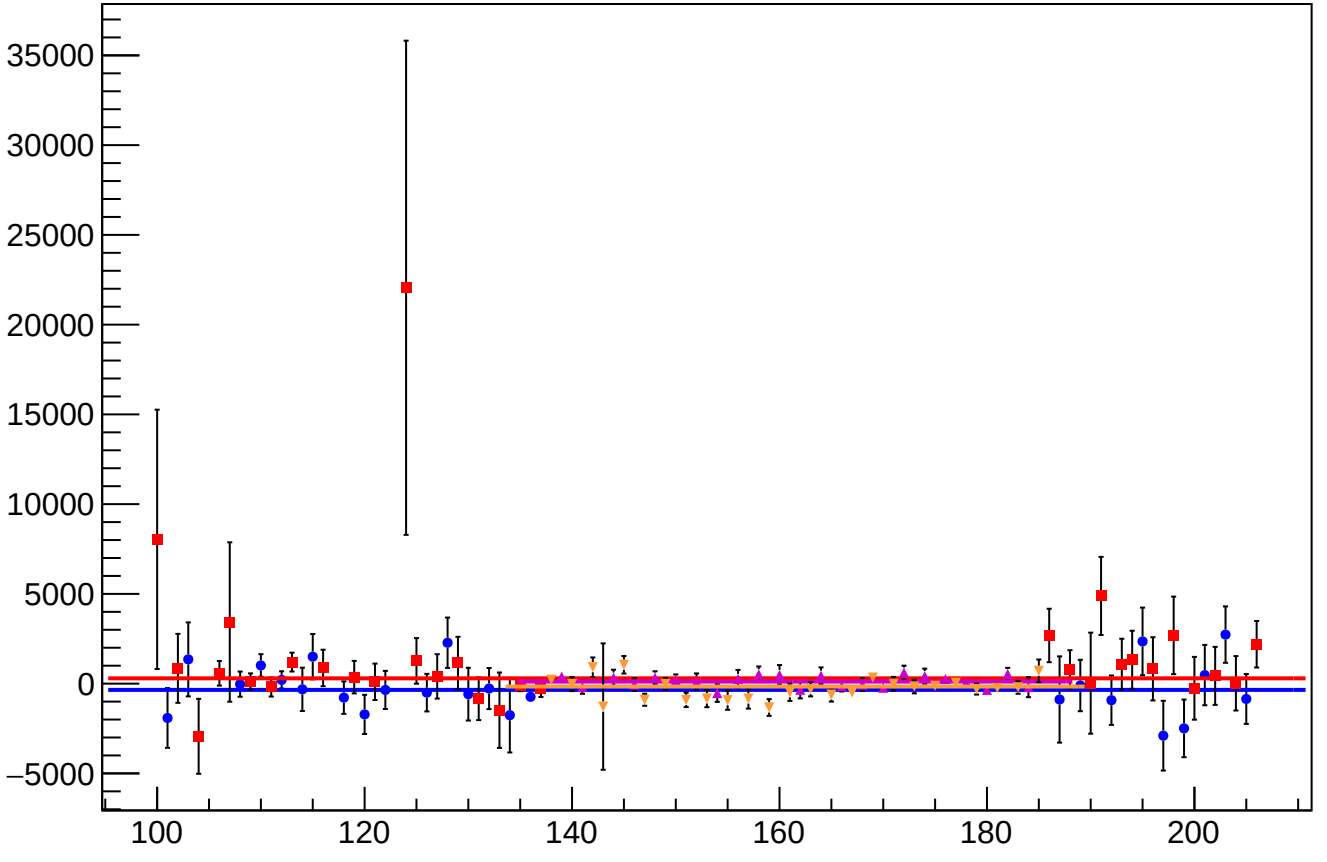
Right: 1281.931+/-0.166 χ^2/NDF: 900818.1/55

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1264.238+/-0.109 χ^2/NDF: 1082247.1/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

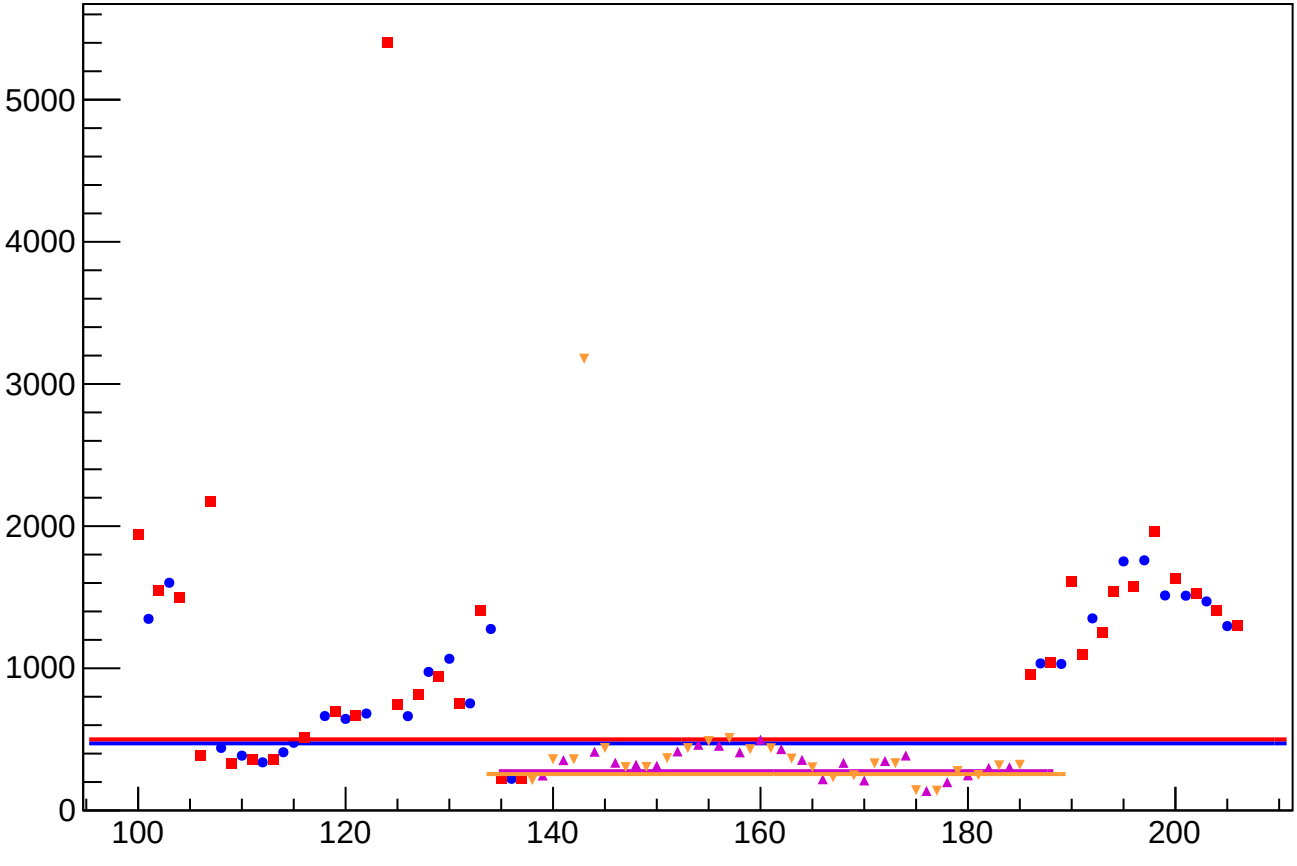
Right: -19.519+/-113.538 χ^2/NDF: 64.6/55

In: 43.250+/-63.369 χ^2/NDF:53.5/47

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -31.305+/-43.367 χ^2/NDF: 135.1/103

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

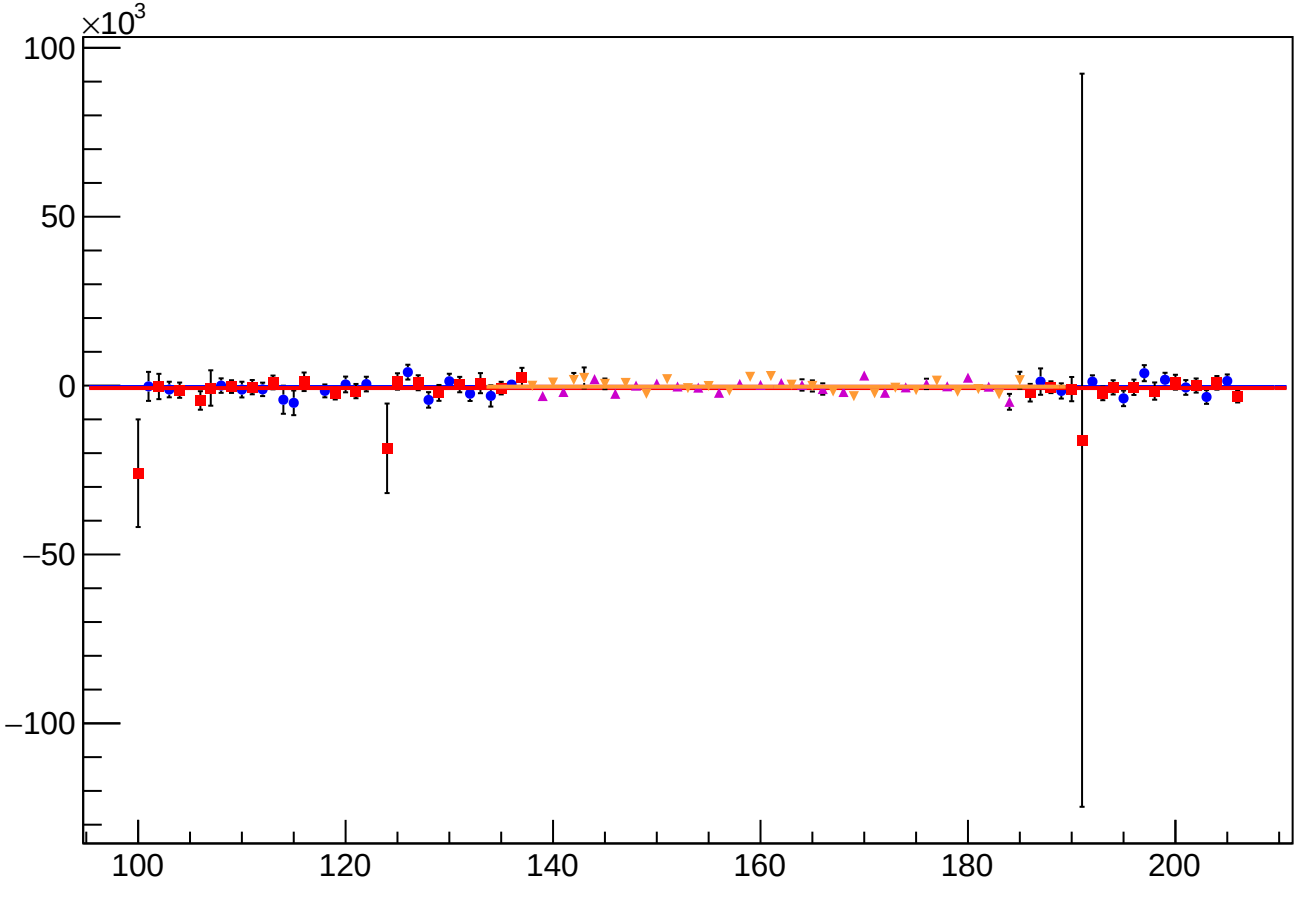
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 486.404+/-0.080 χ^2/NDF: 23899218.1/55

In: 306.186+/-0.045 χ^2/NDF:17534383.3/47

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 297.565+/-0.031 χ^2/NDF: 40873275.7/10



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -731.385+/-426.611 χ^2/NDF: 15.9/30

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

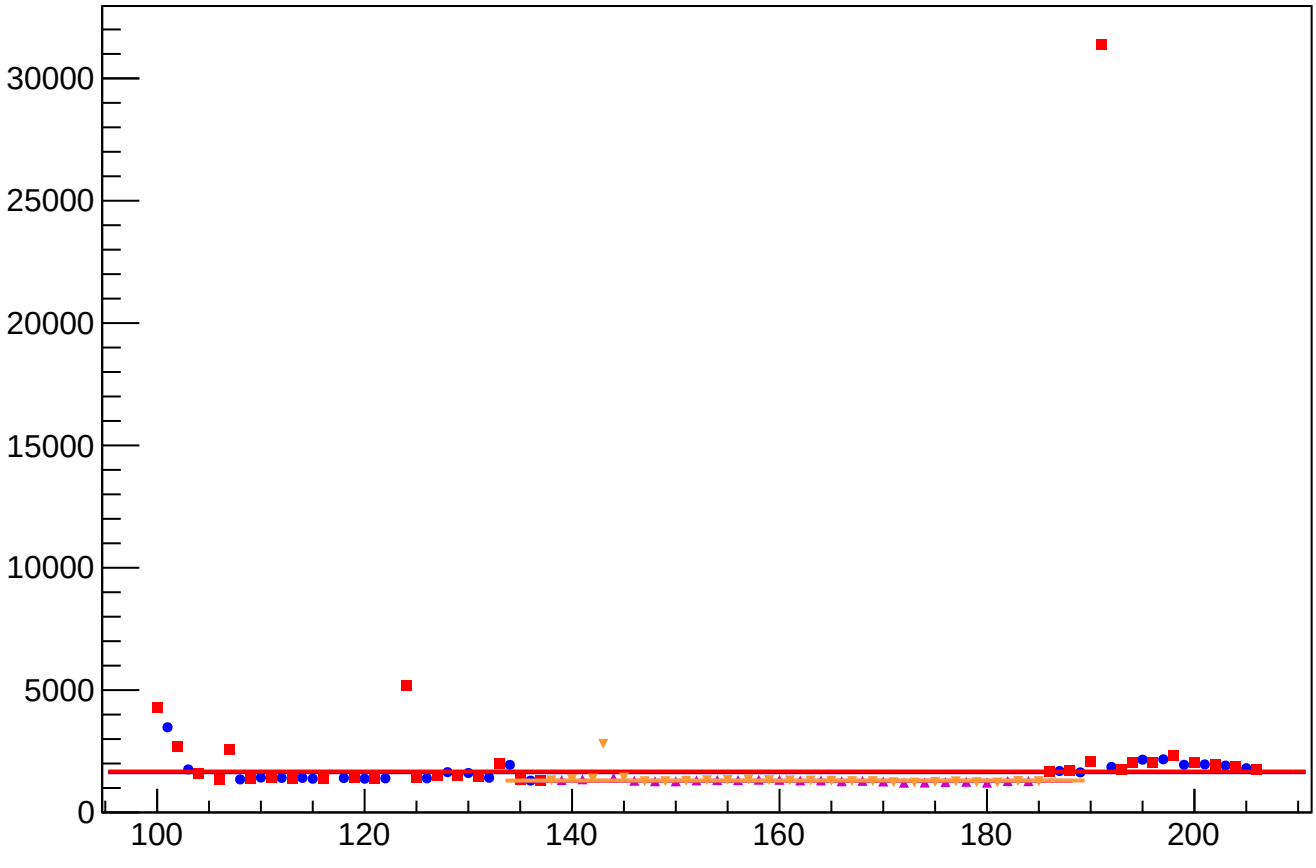
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -585.902+/-308.741 χ^2/NDF: 39.0/55

In: -378.140+/-250.252 χ^2/NDF:52.5/47

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -417.419+/-174.867 χ^2/NDF: 100.7/103



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

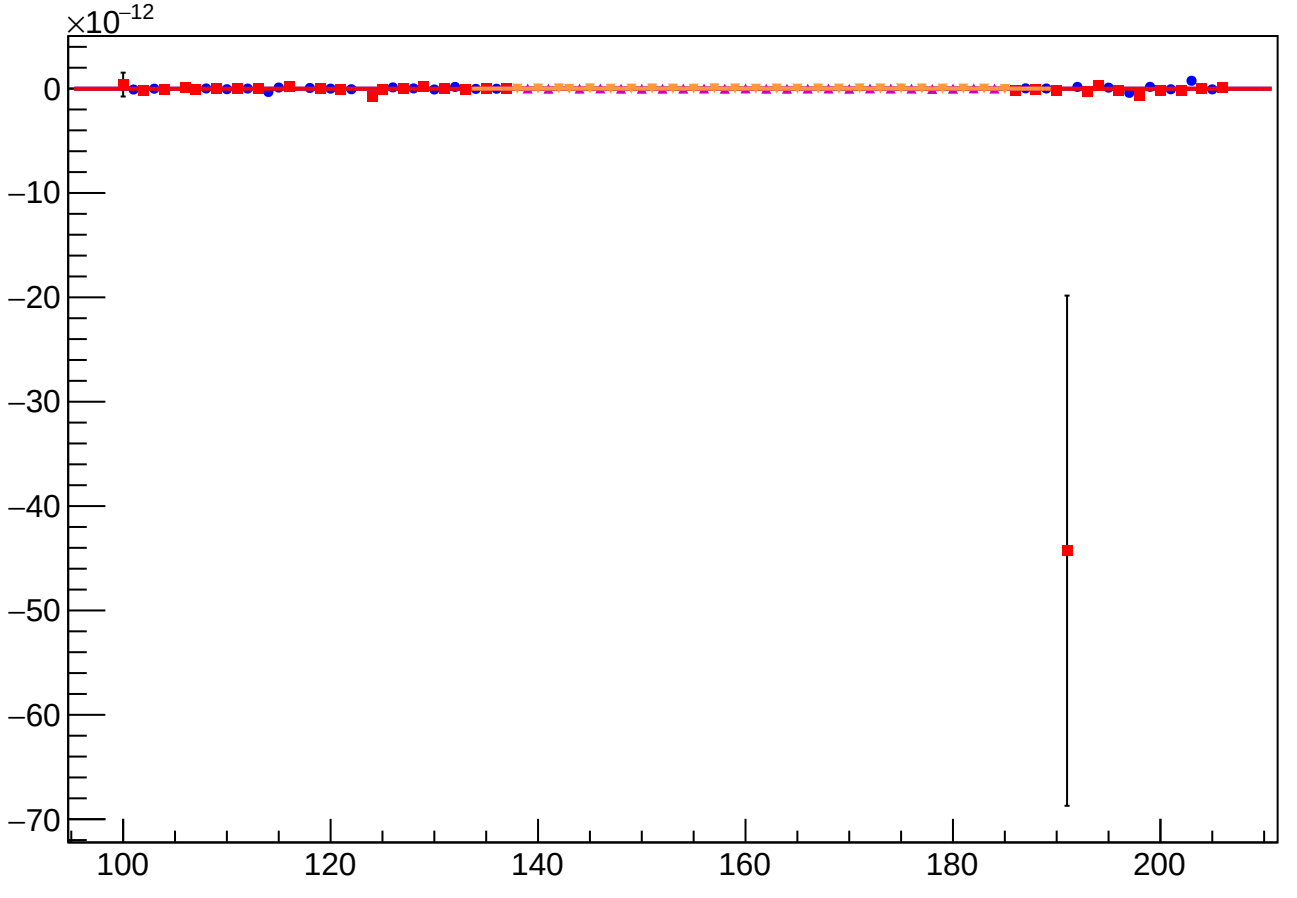
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1659.071+/-0.218 χ^2/NDF: 2480317.4/55

In: 1402.288+/-0.177 χ^2/NDF:2001327.8/47

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1413.974+/-0.124 χ^2/NDF: 4905615.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

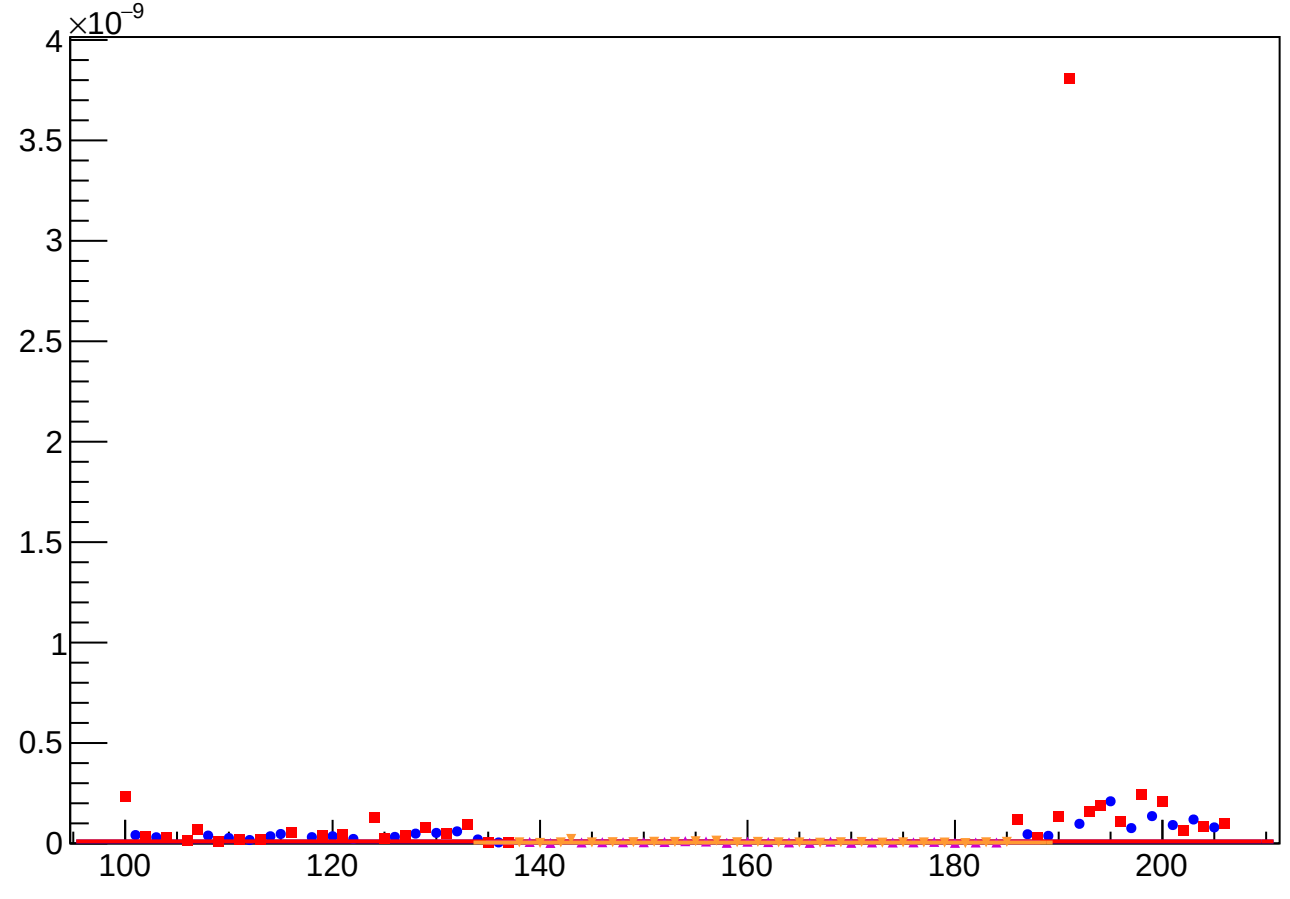
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 65.5/55

In: -0.000+/-0.000 χ^2/NDF:59.8/47

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 124.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

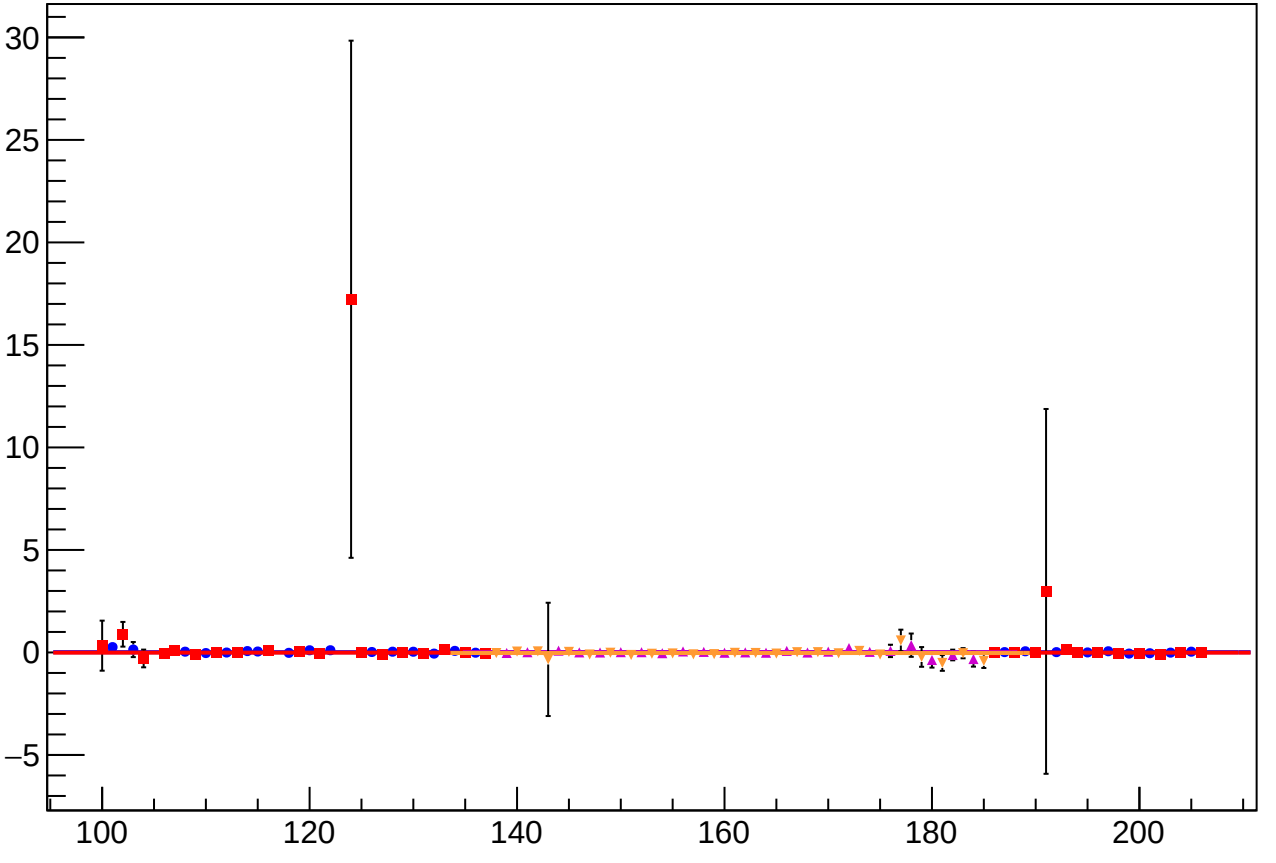
Right: 0.000+/-0.000 χ^2/NDF: 16014964.9/55

In: 0.000+/-0.000 χ^2/NDF:9375499.6/47

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 22436883.0/103

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

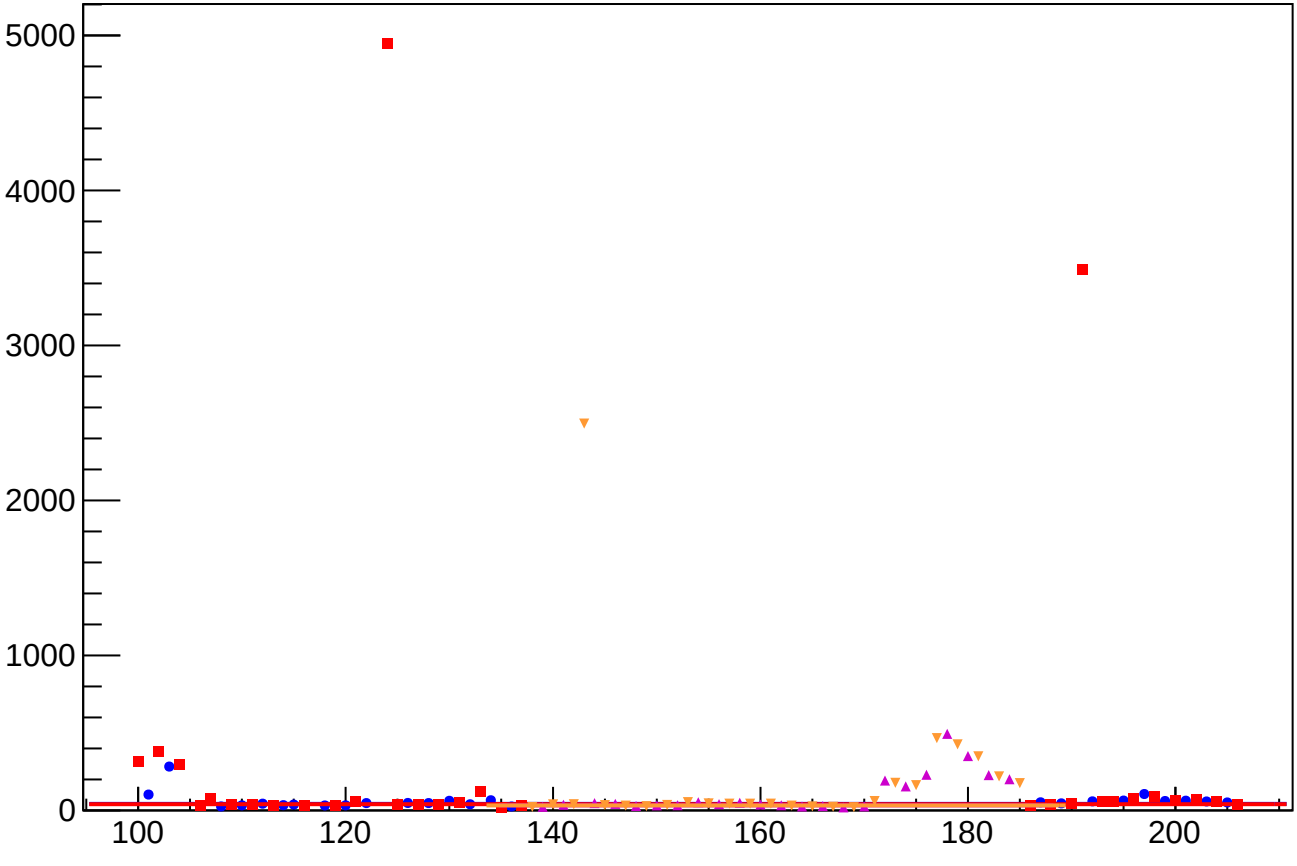
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

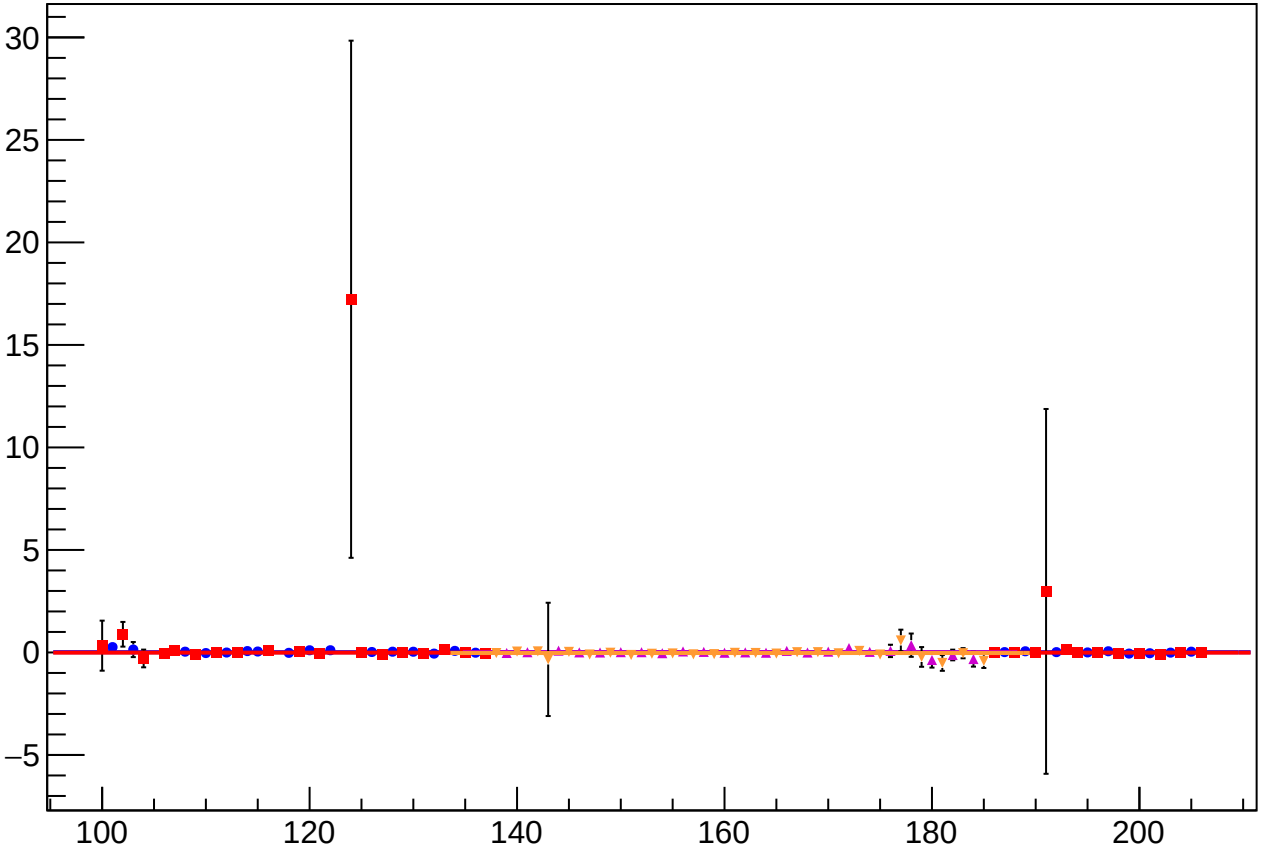
Right: 41.287+/-0.006 χ^2/NDF: 9443623.3/55

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

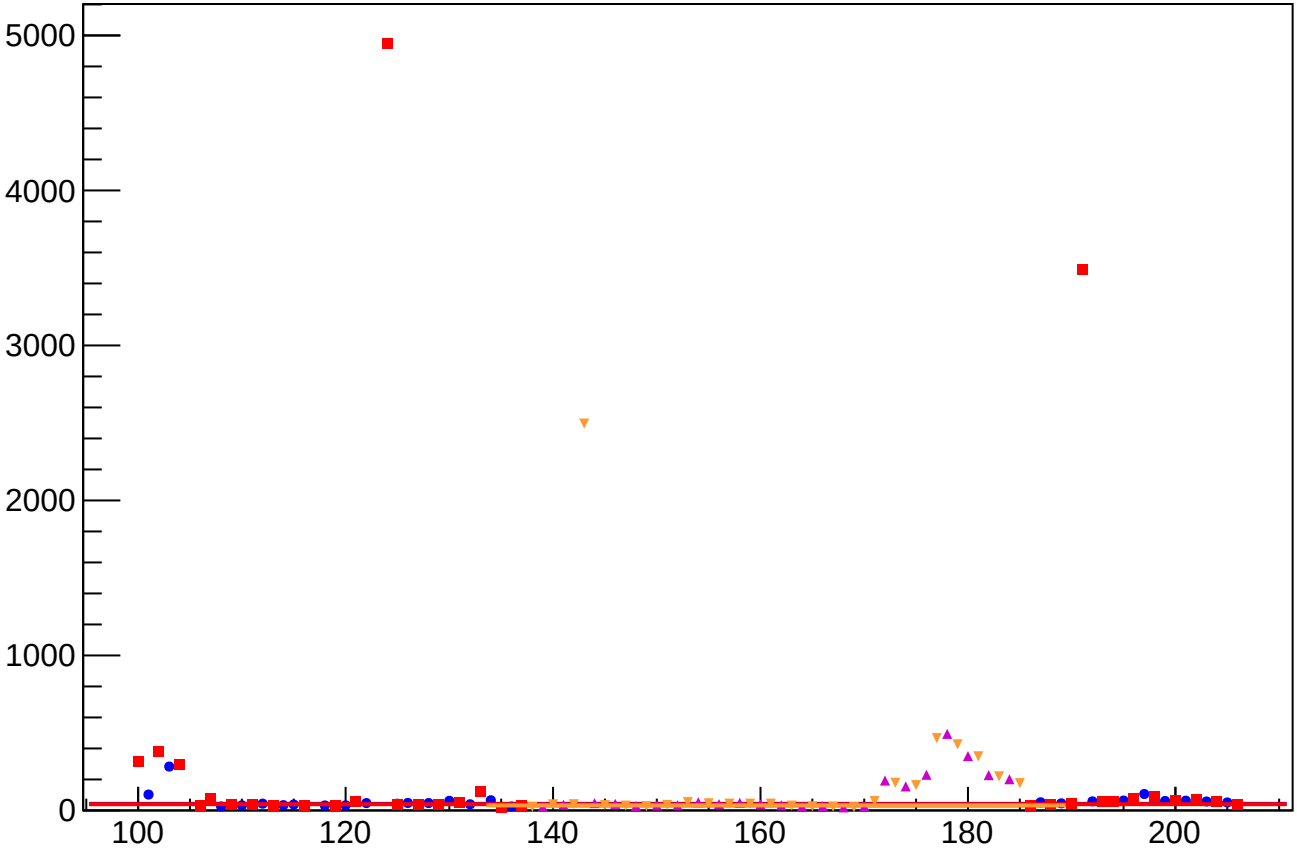
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

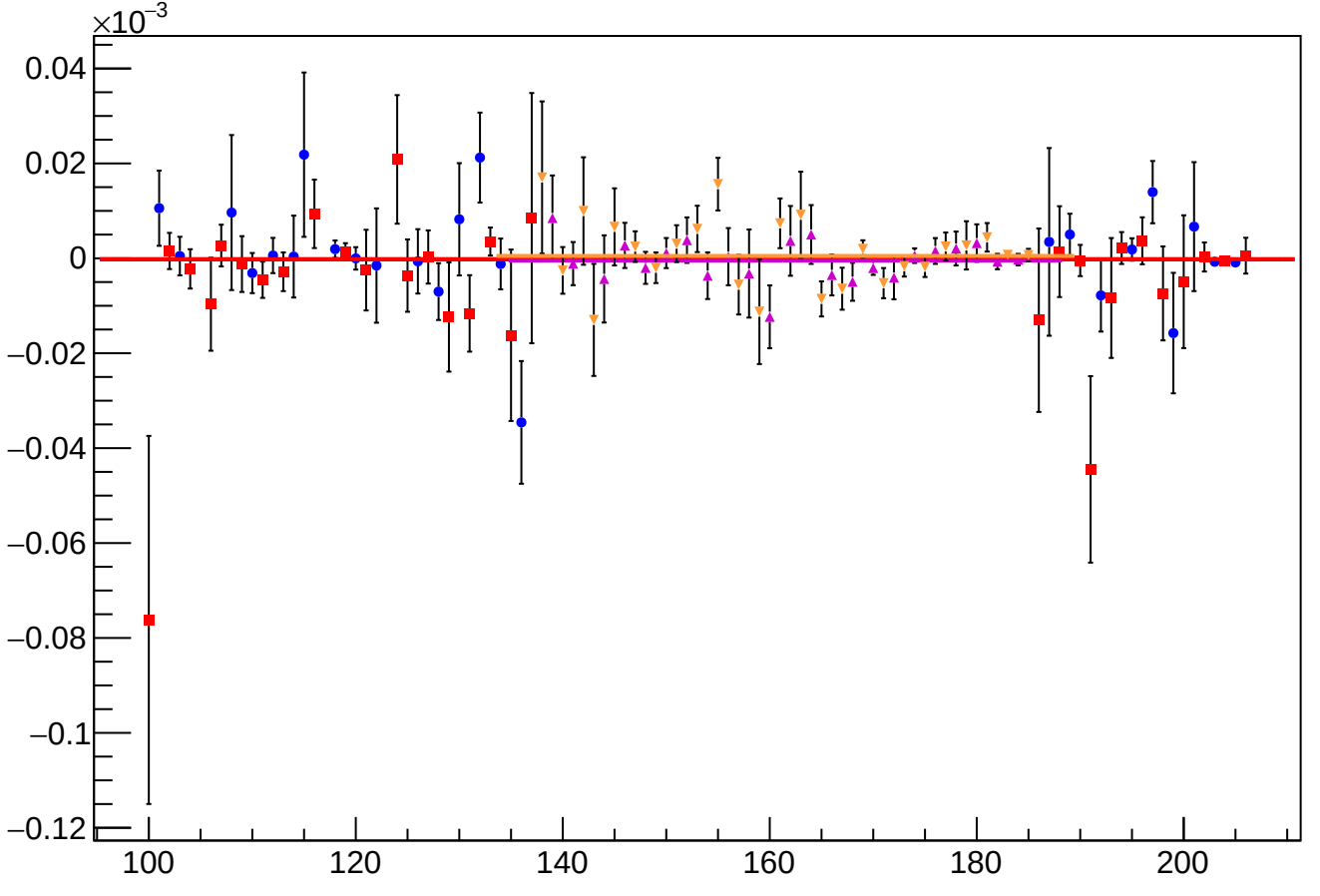
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.287+/-0.006 χ^2/NDF: 9443623.3/55

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

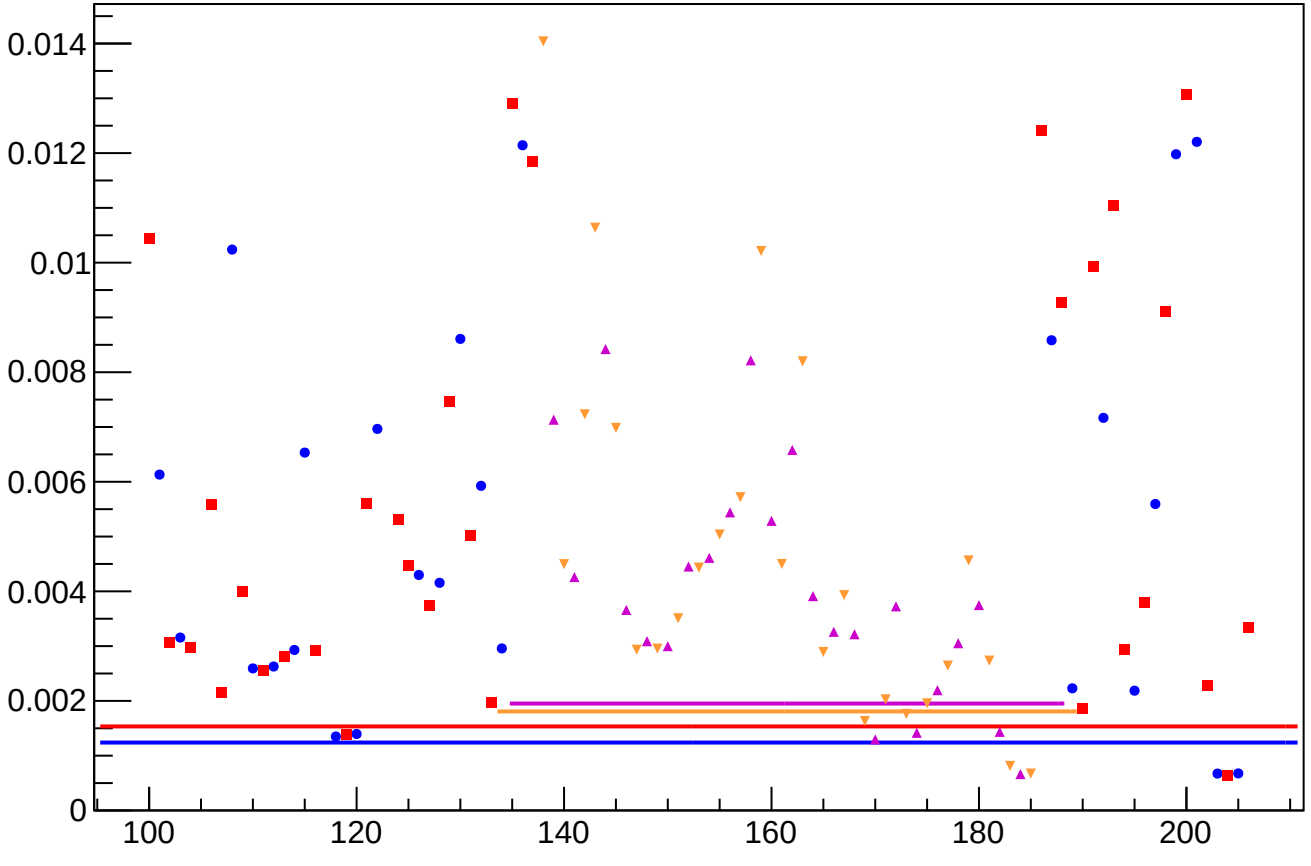
Right: -0.000+/-0.000 χ^2/NDF: 56.5/55

In: -0.000+/-0.000 χ^2/NDF:44.1/47

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 107.5/103

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

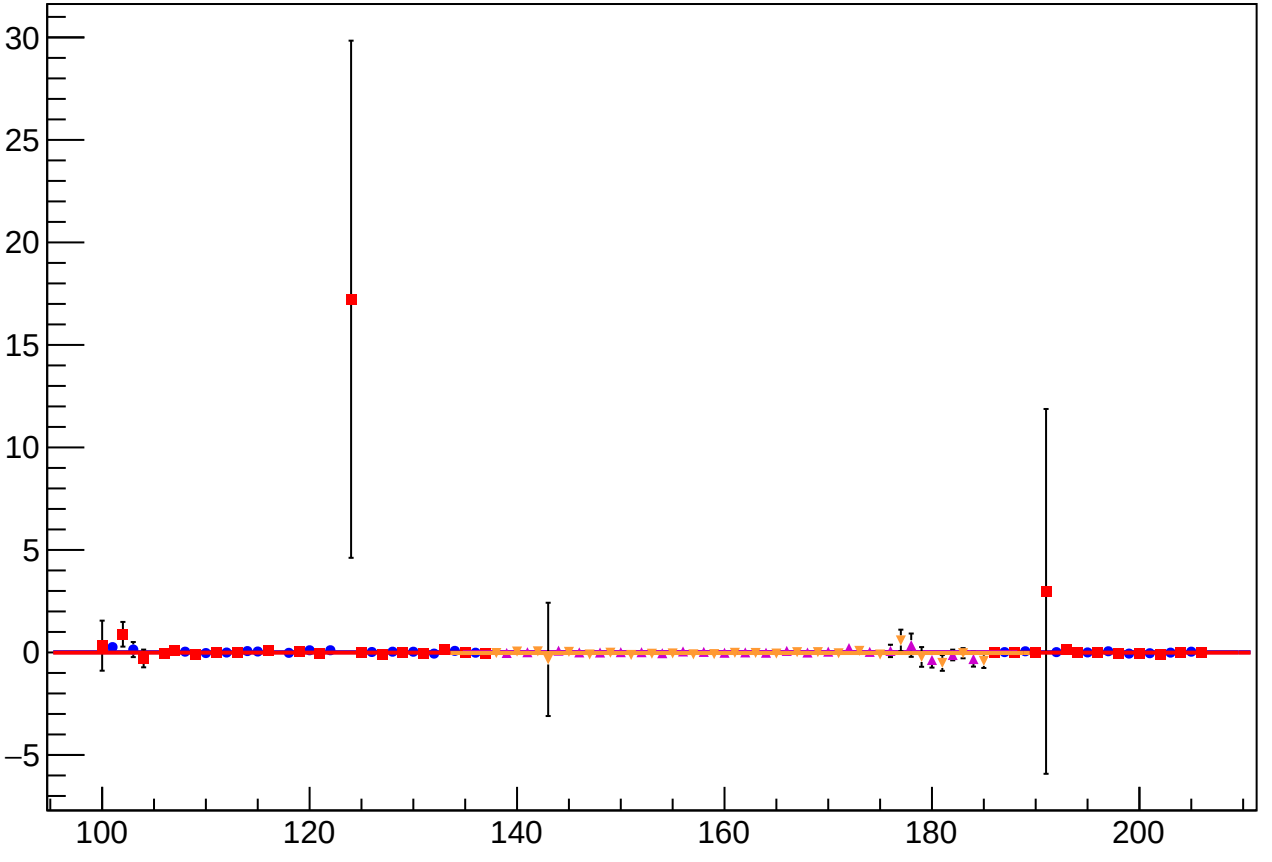
Right: 0.001+/-0.000 χ^2/NDF: 29719673.1/55

In: 0.002+/-0.000 χ^2/NDF:27143757.7/47

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 57842135.8/103

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

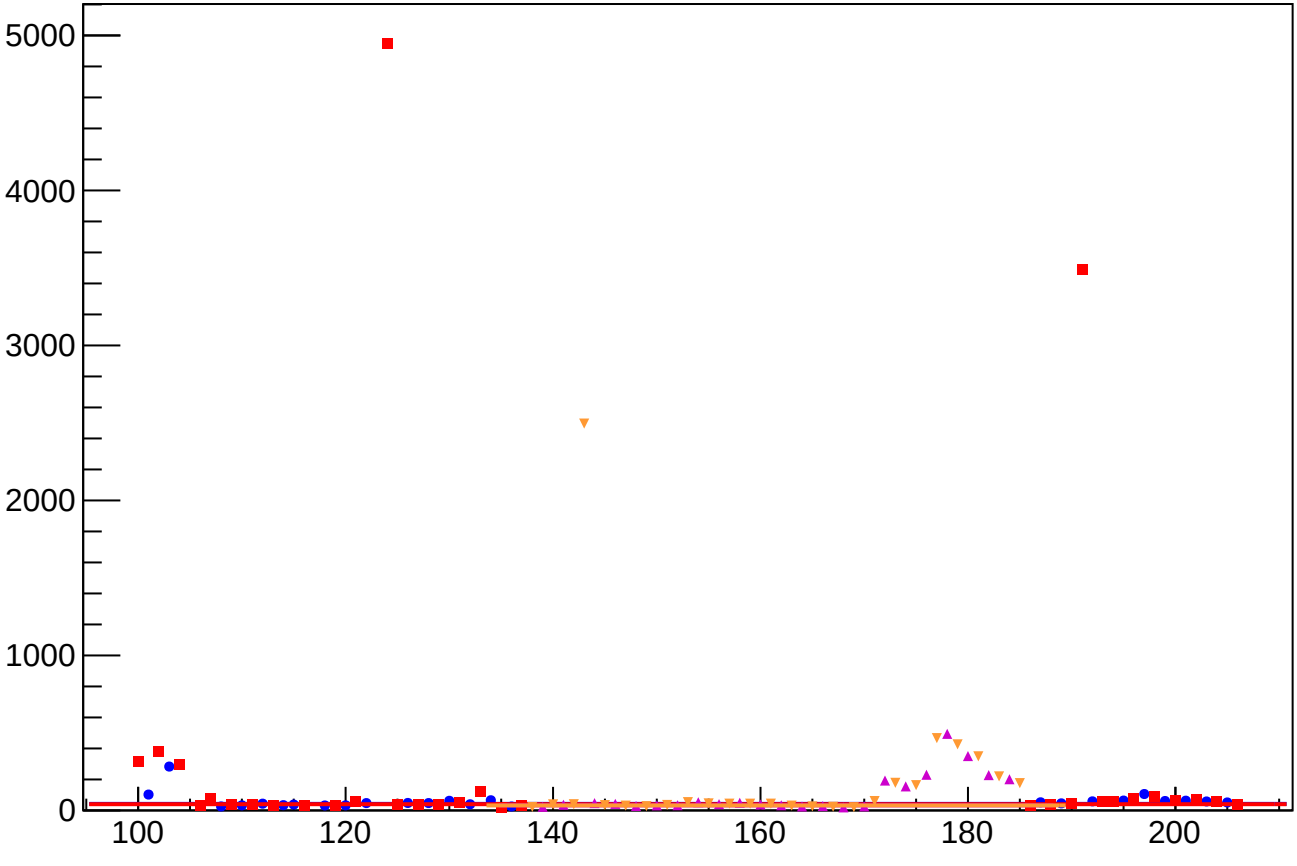
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

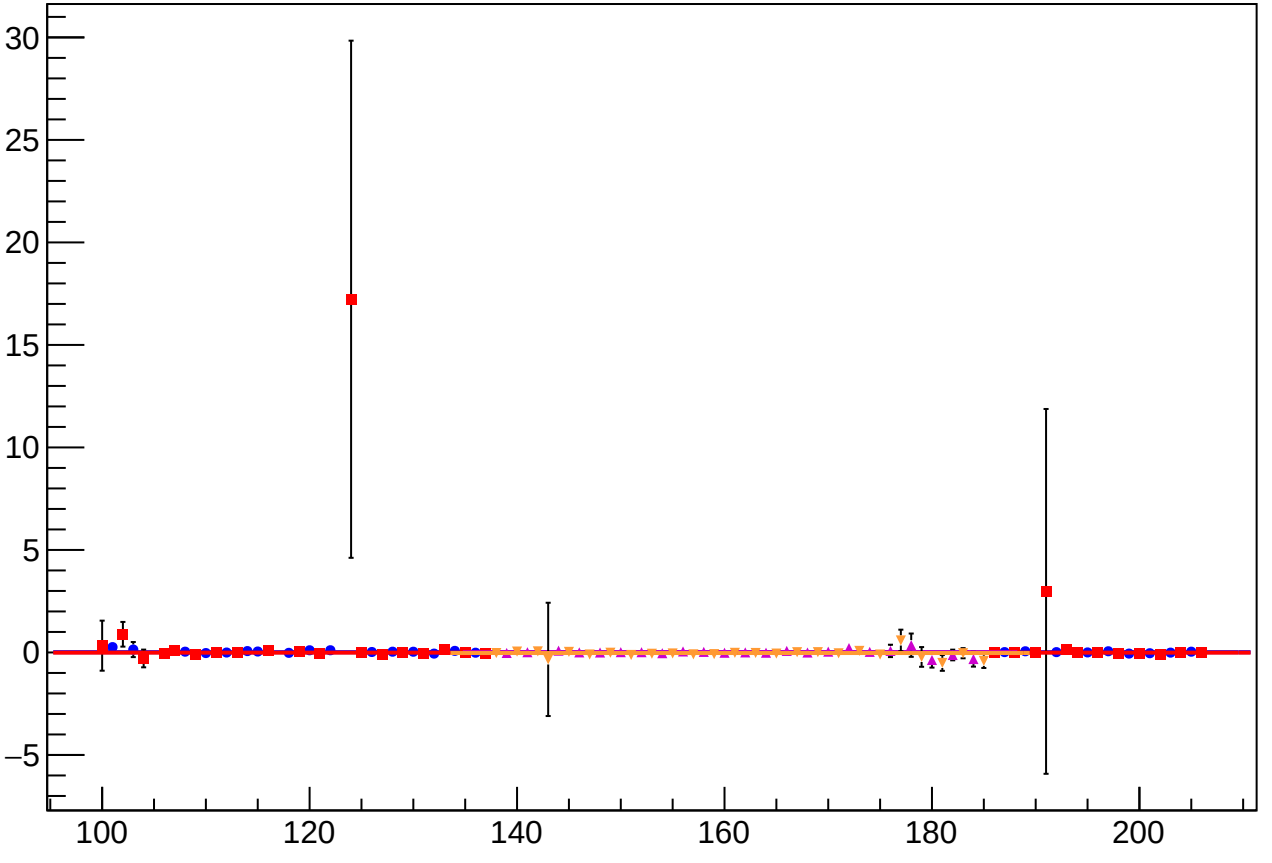
Right: 41.288+/-0.006 χ^2/NDF: 9442916.8/55

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

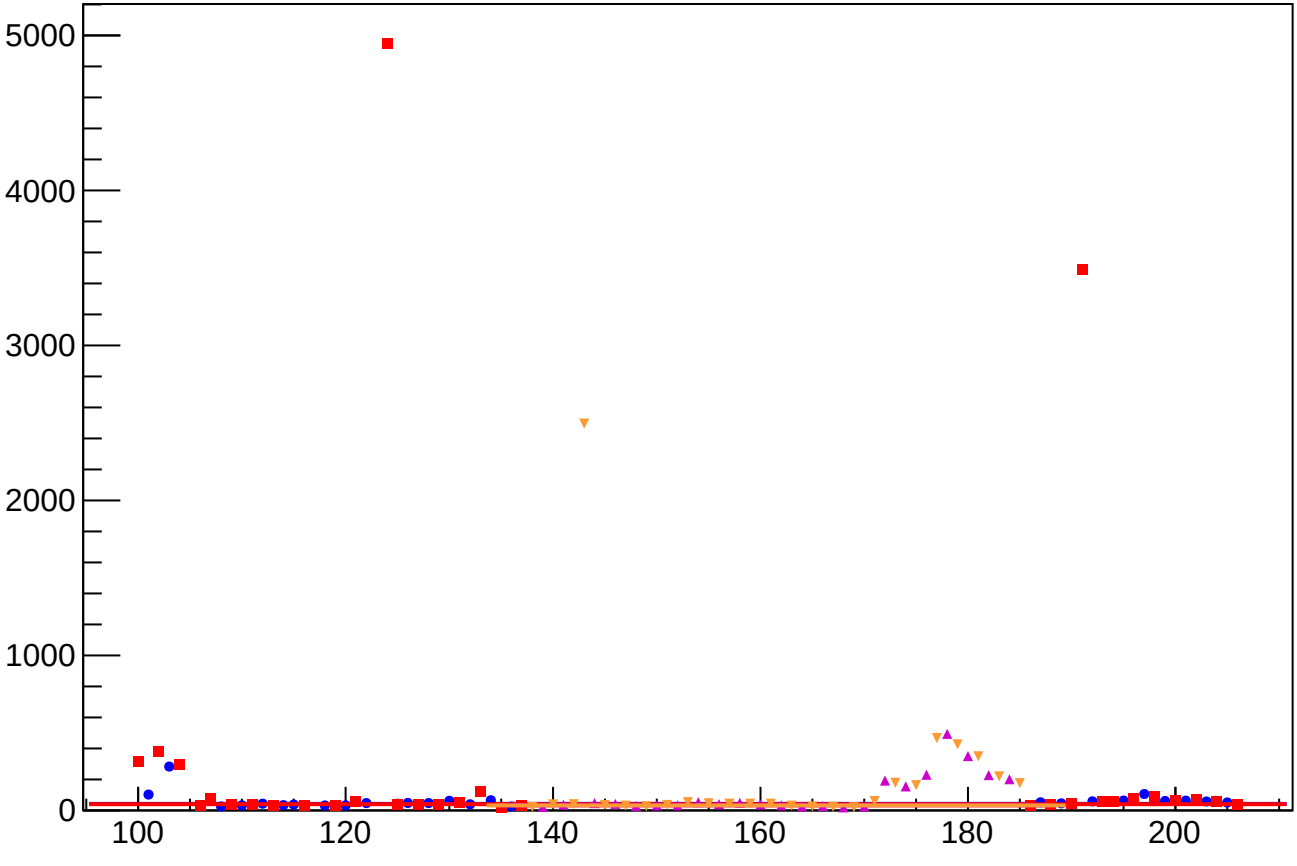
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

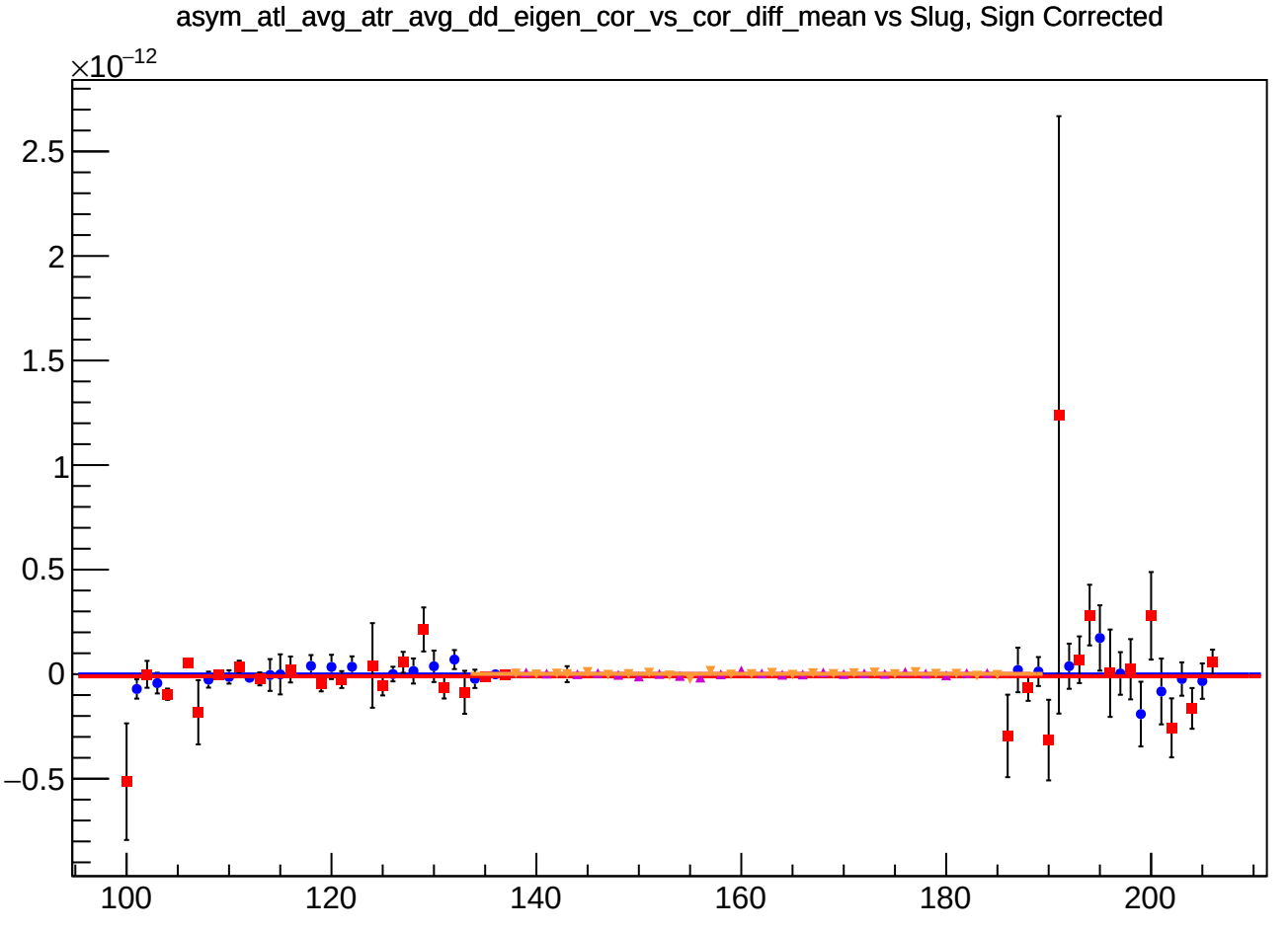
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.288+/-0.006 χ^2/NDF: 9442916.8/55

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

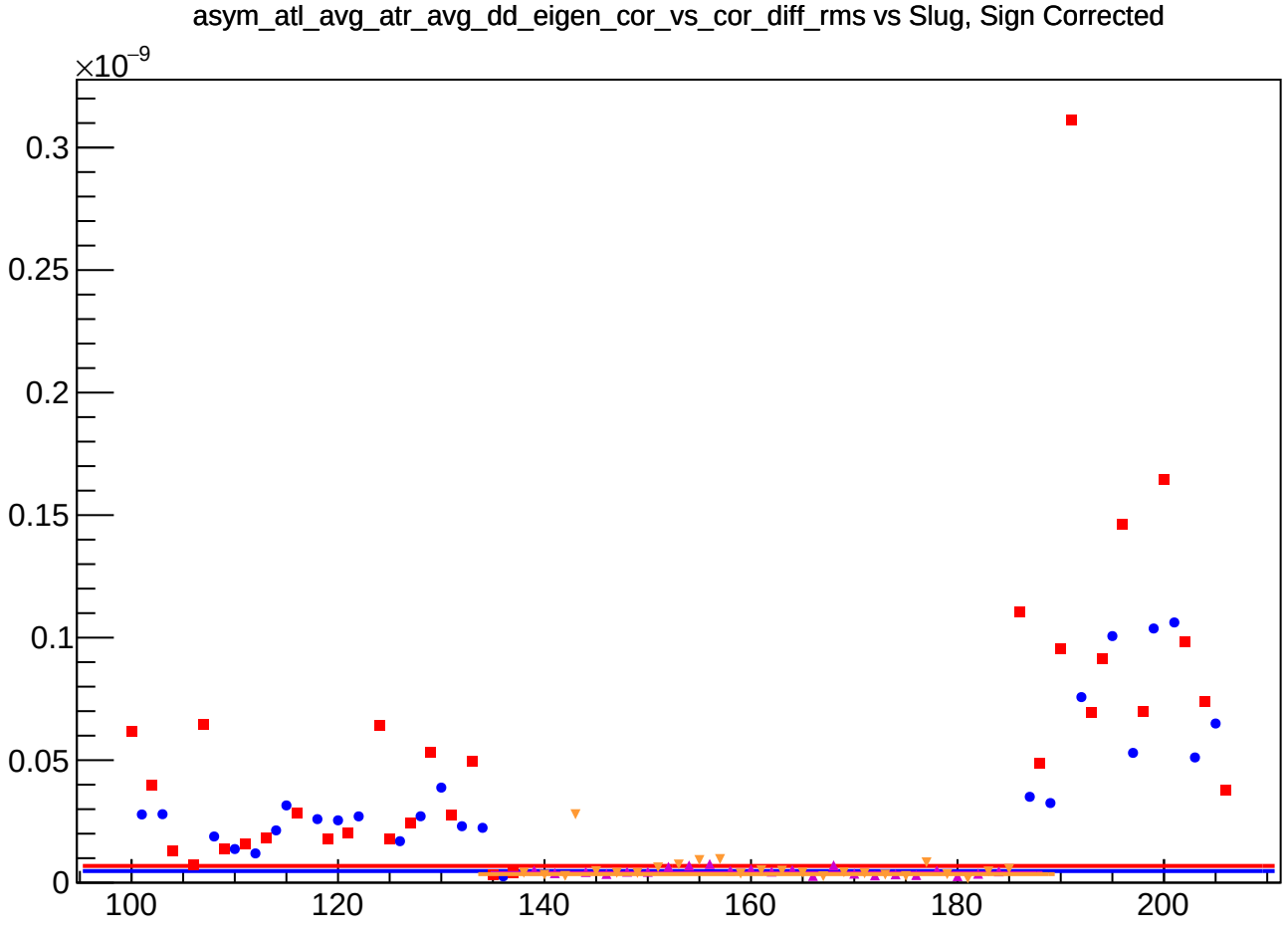
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 74.1/55

In: 0.000+/-0.000 χ^2/NDF:41.3/47

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 126.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

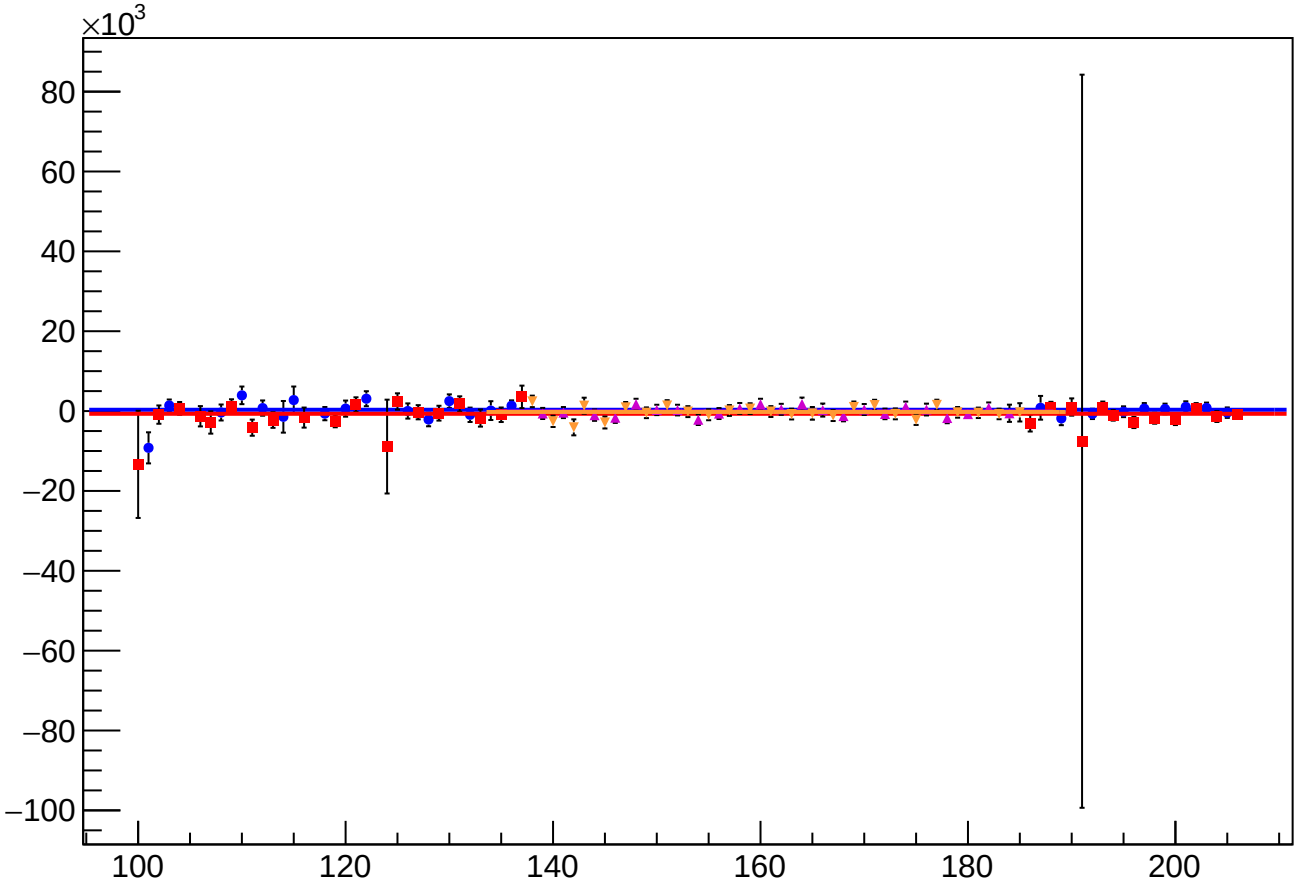
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 24210725.3/55

In: 0.000+/-0.000 χ^2/NDF:13181005.9/47

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 32099097.7/103



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -681.848+/-319.078 χ^2/NDF: 27.3/30

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

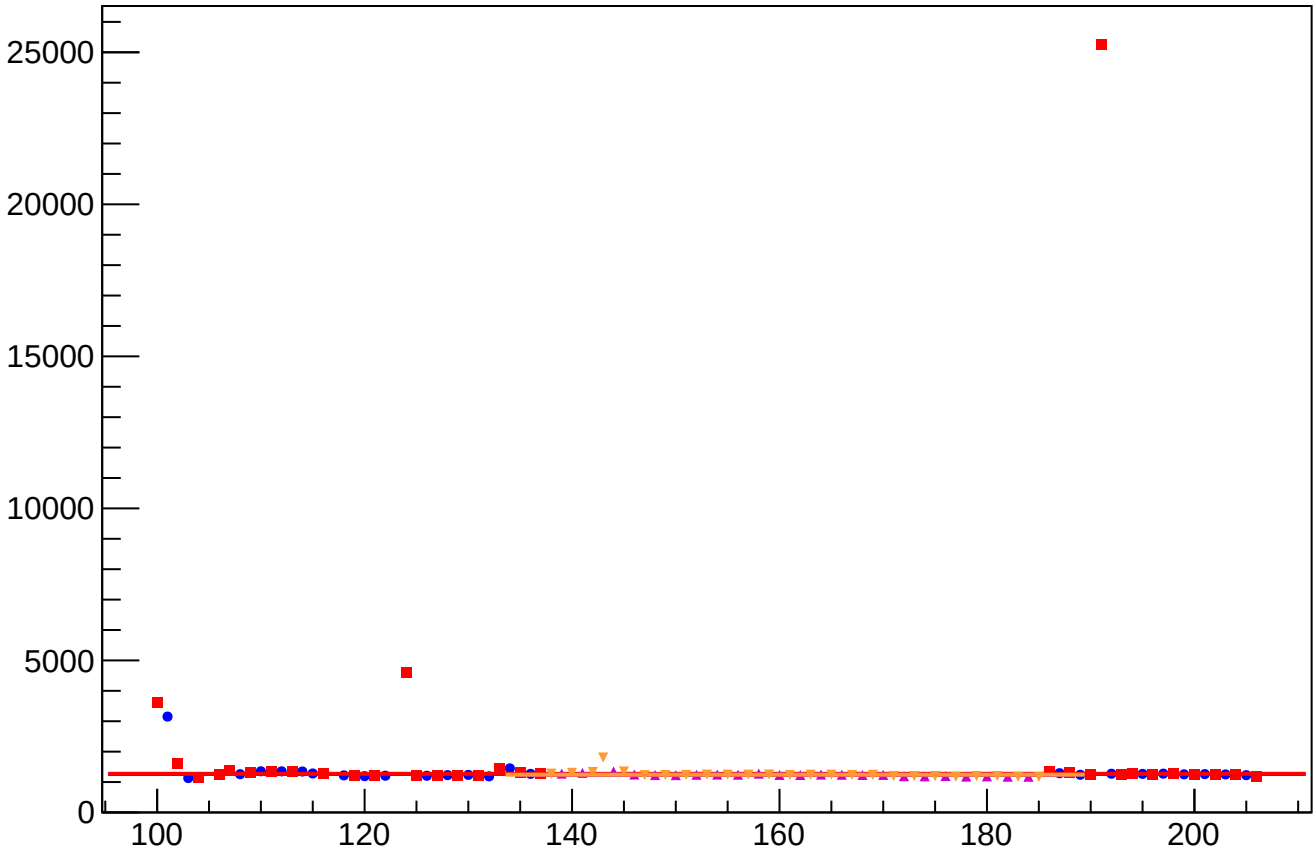
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -209.096+/-232.755 χ^2/NDF: 52.6/55

In: 83.445+/-219.927 χ^2/NDF:36.1/47

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -179.786+/-152.537 χ^2/NDF: 91.3/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

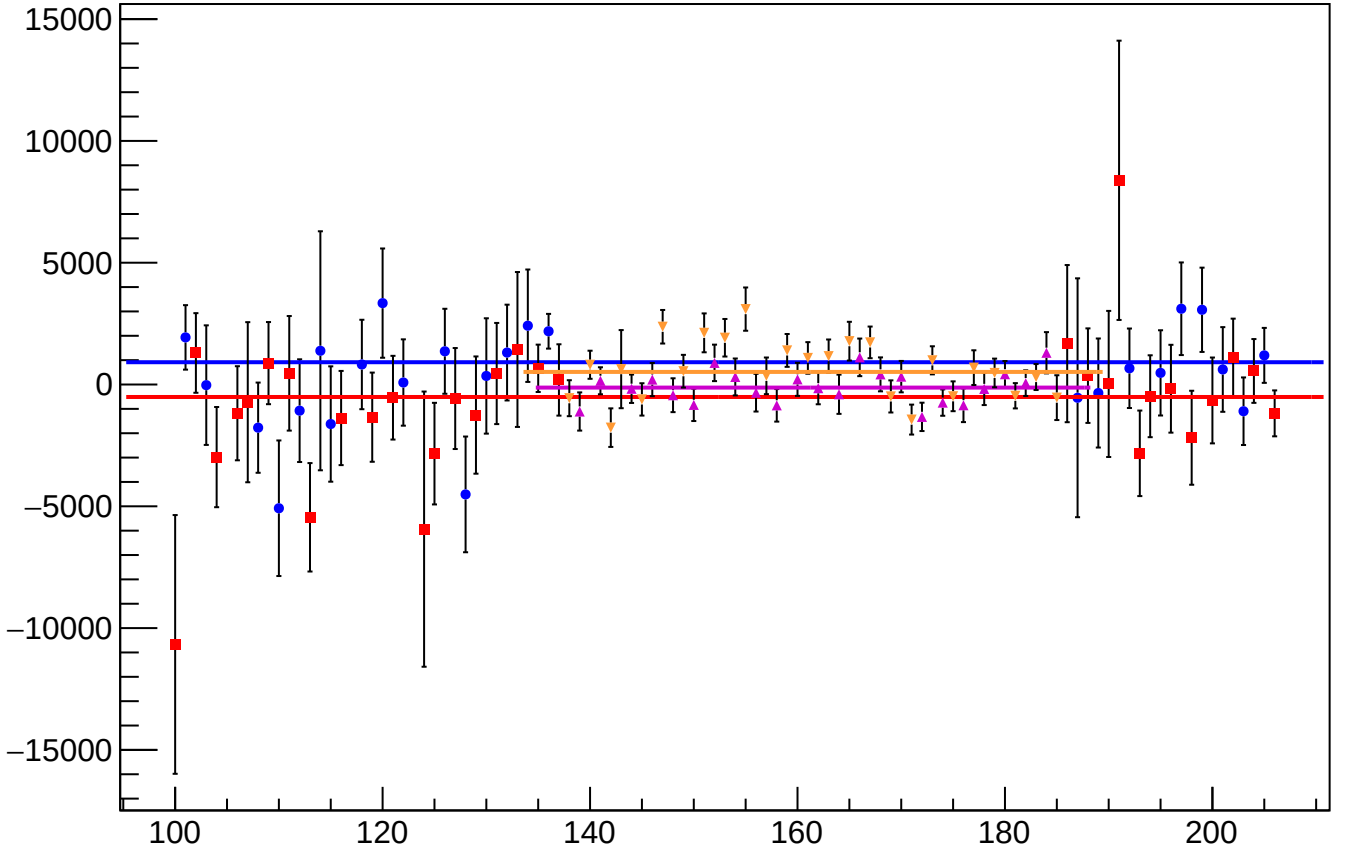
Right: 1267.562+/-0.165 χ^2/NDF: 1009181.6/55

In: 1246.869+/-0.156 χ^2/NDF:571948.2/47

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1250.908+/-0.108 χ^2/NDF: 1270718.8/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

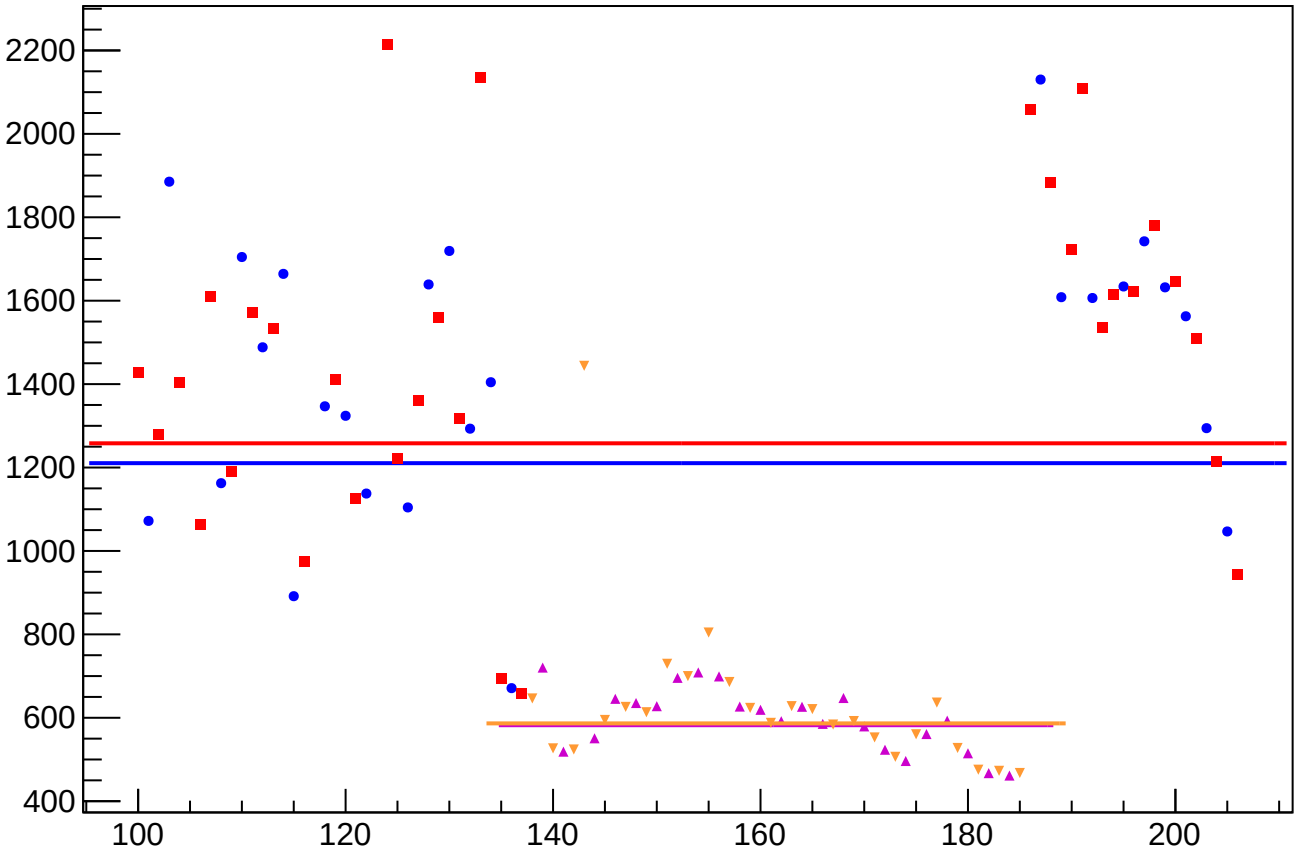
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 176.026+/-235.352 χ^2/NDF: 59.7/55

In: 20.218+/-127.228 χ^2/NDF:55.1/47

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 195.430+/-89.302 χ^2/NDF: 159.4/103



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

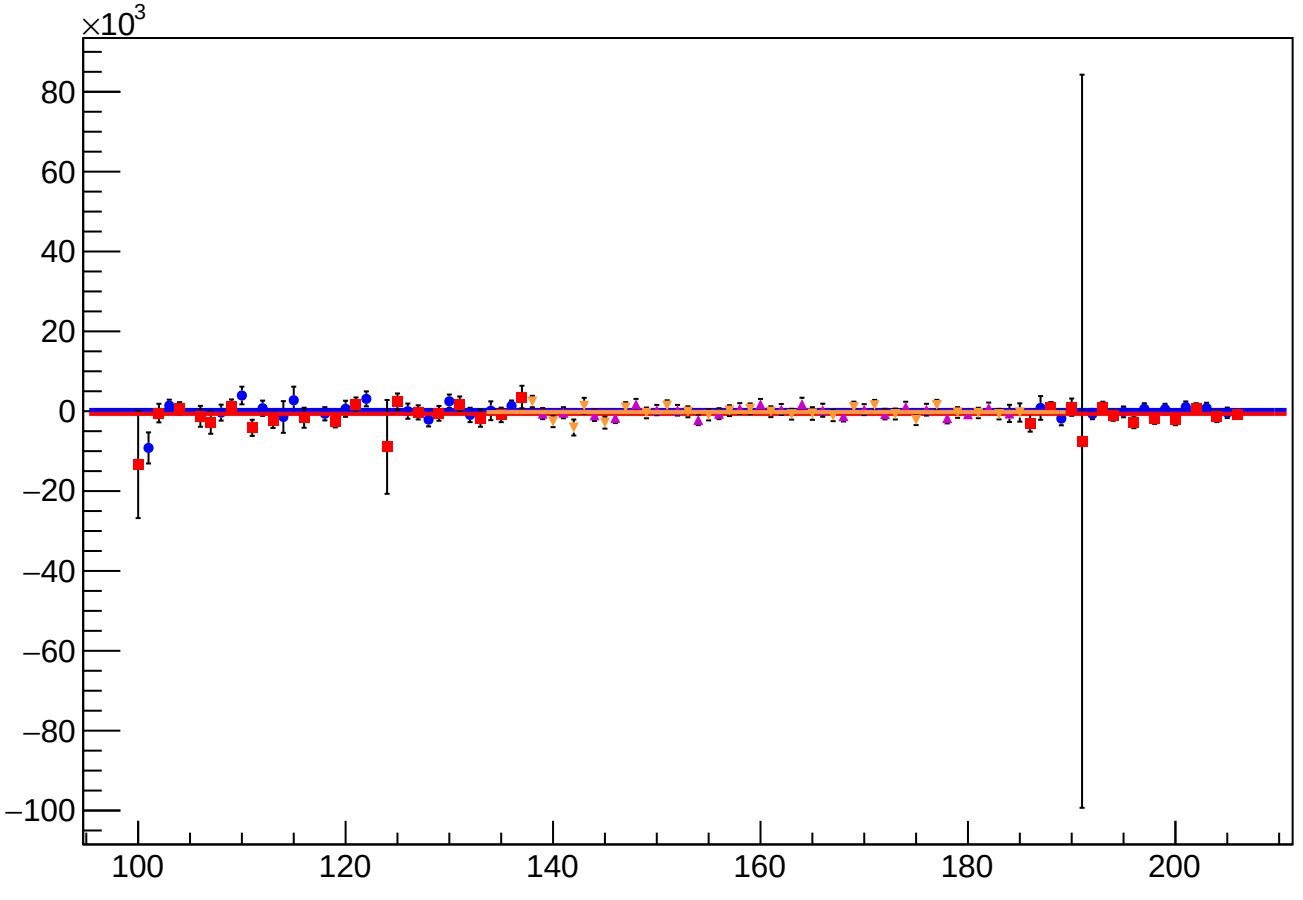
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1235.125+/-0.166 χ^2/NDF: 5079474.1/55

In: 670.724+/-0.090 χ^2/NDF:8911614.0/47

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 678.086+/-0.063 χ^2/NDF: 19930807.5/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

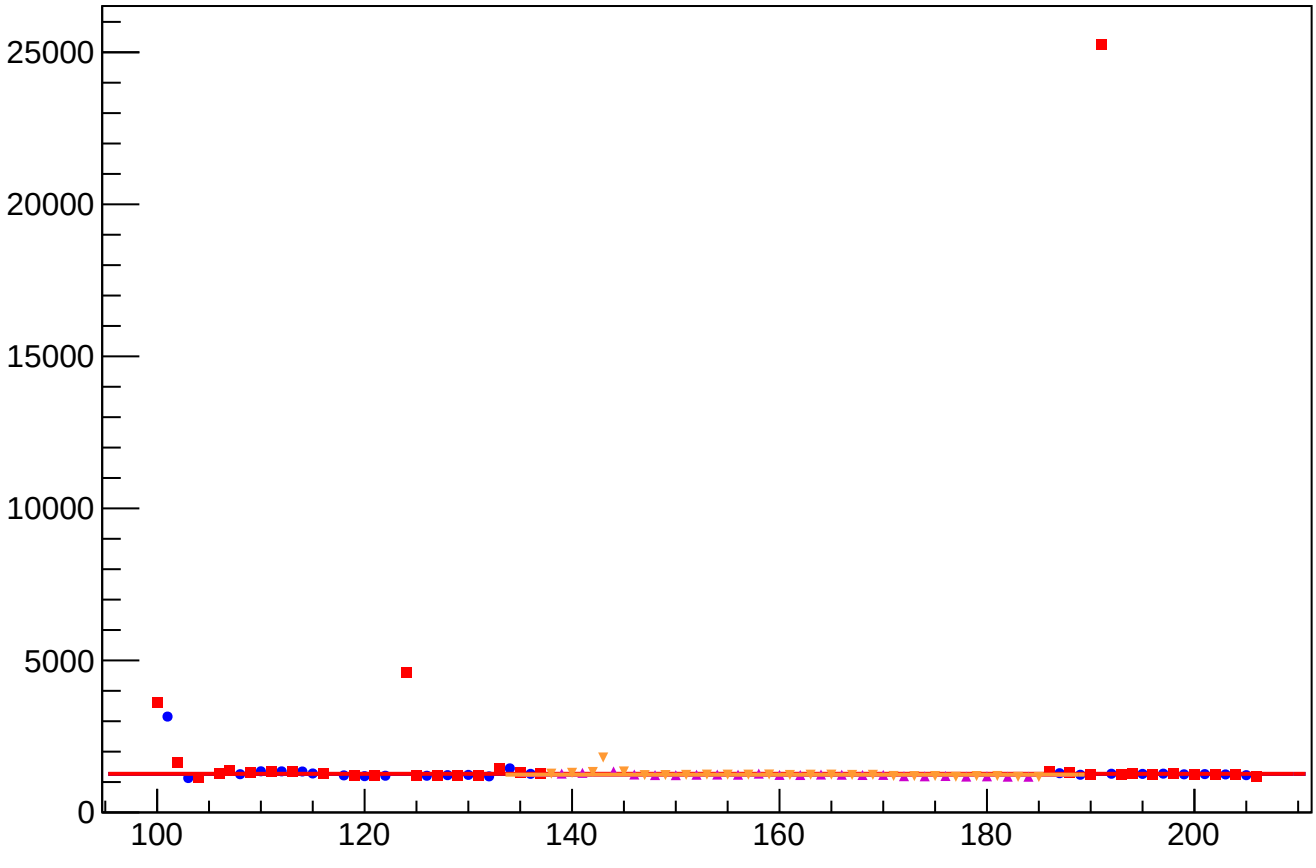
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -203.943+/-232.847 χ^2/NDF: 52.5/55

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -177.594+/-152.563 χ^2/NDF: 91.2/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

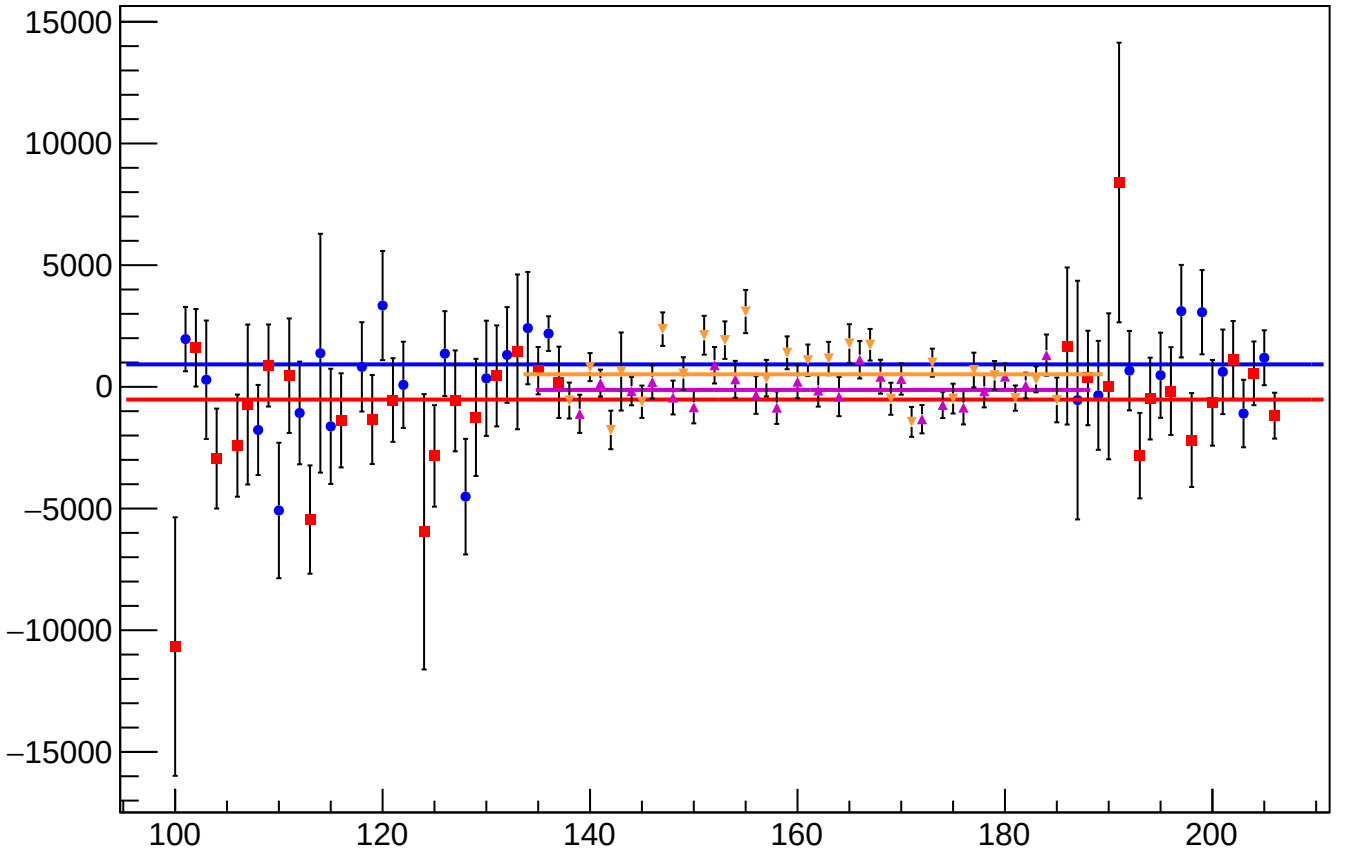
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1268.086+/-0.165 χ^2/NDF: 1016453.1/55

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

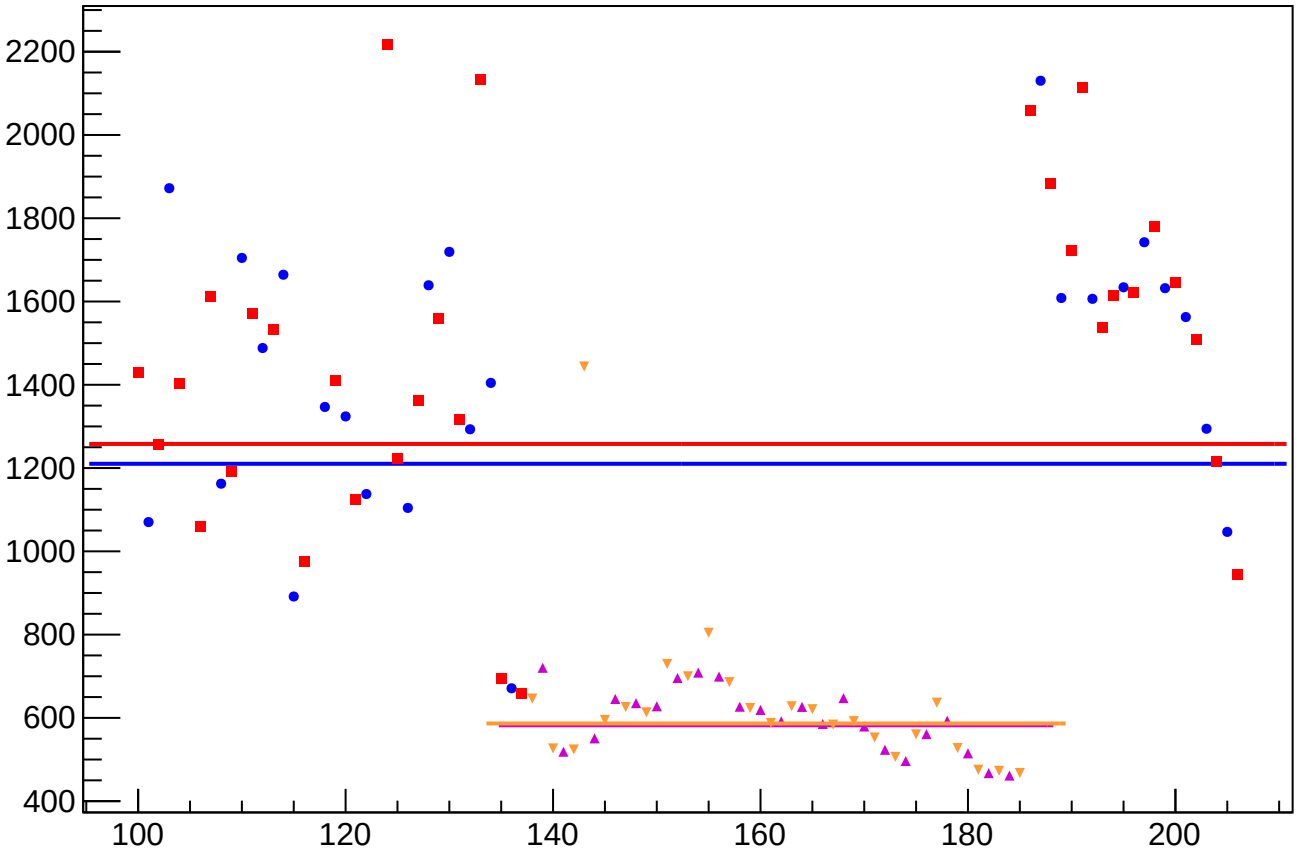
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 175.847+/-235.453 χ^2/NDF: 61.1/55

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 195.421+/-89.308 χ^2/NDF: 160.8/103



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

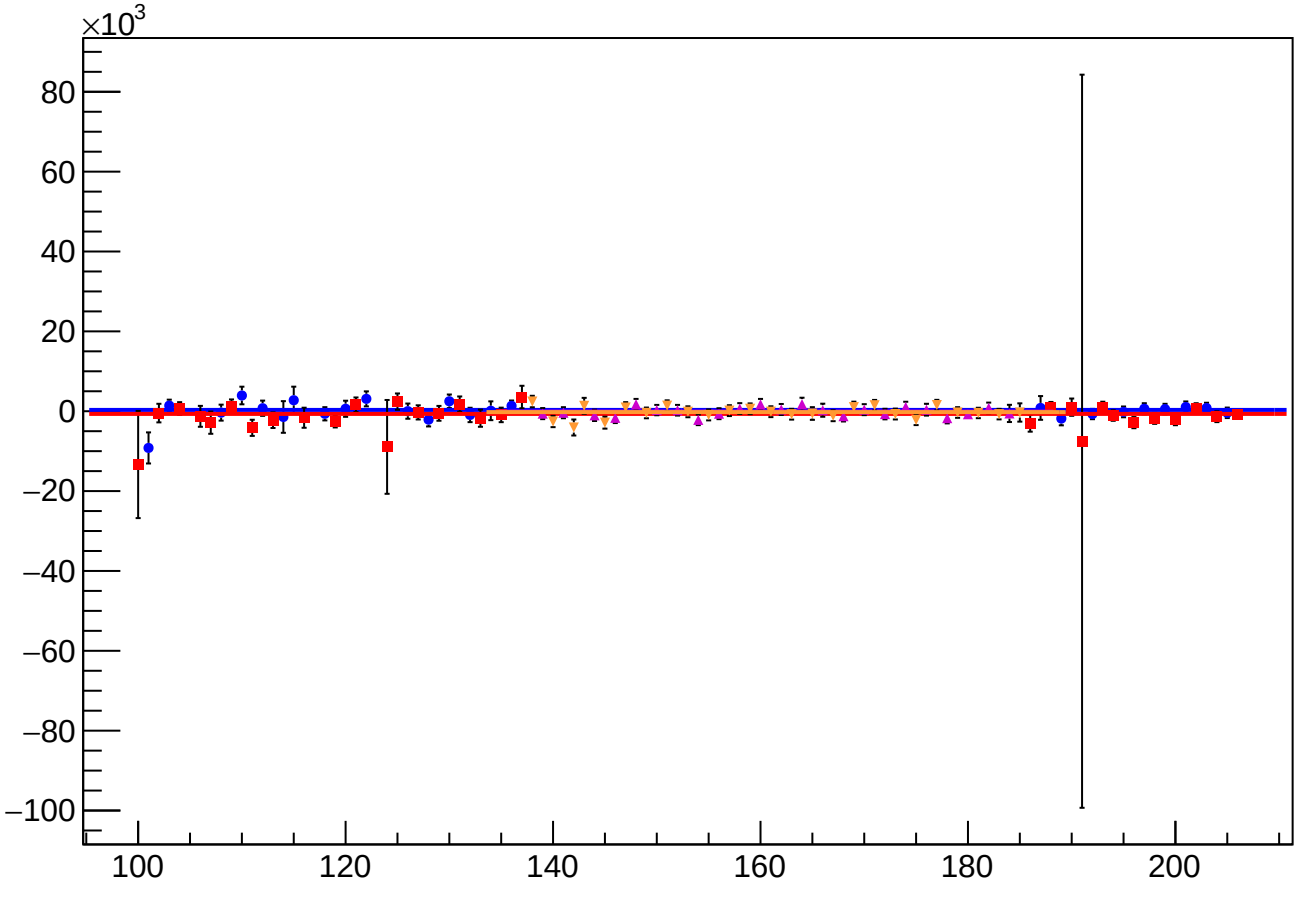
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1234.932+/-0.166 χ^2/NDF: 5074199.9/55

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

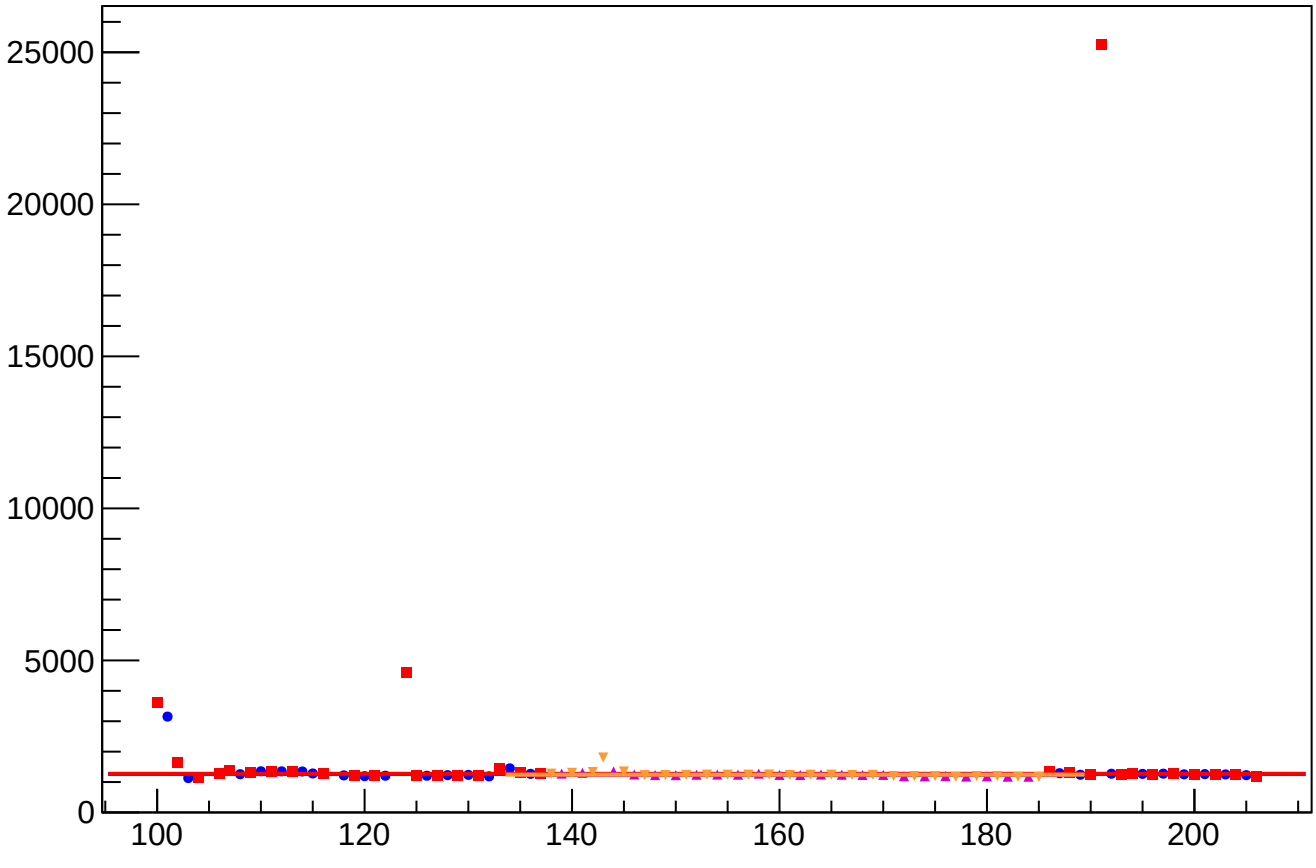
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -203.943+/-232.847 χ^2/NDF: 52.5/55

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -177.594+/-152.563 χ^2/NDF: 91.2/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

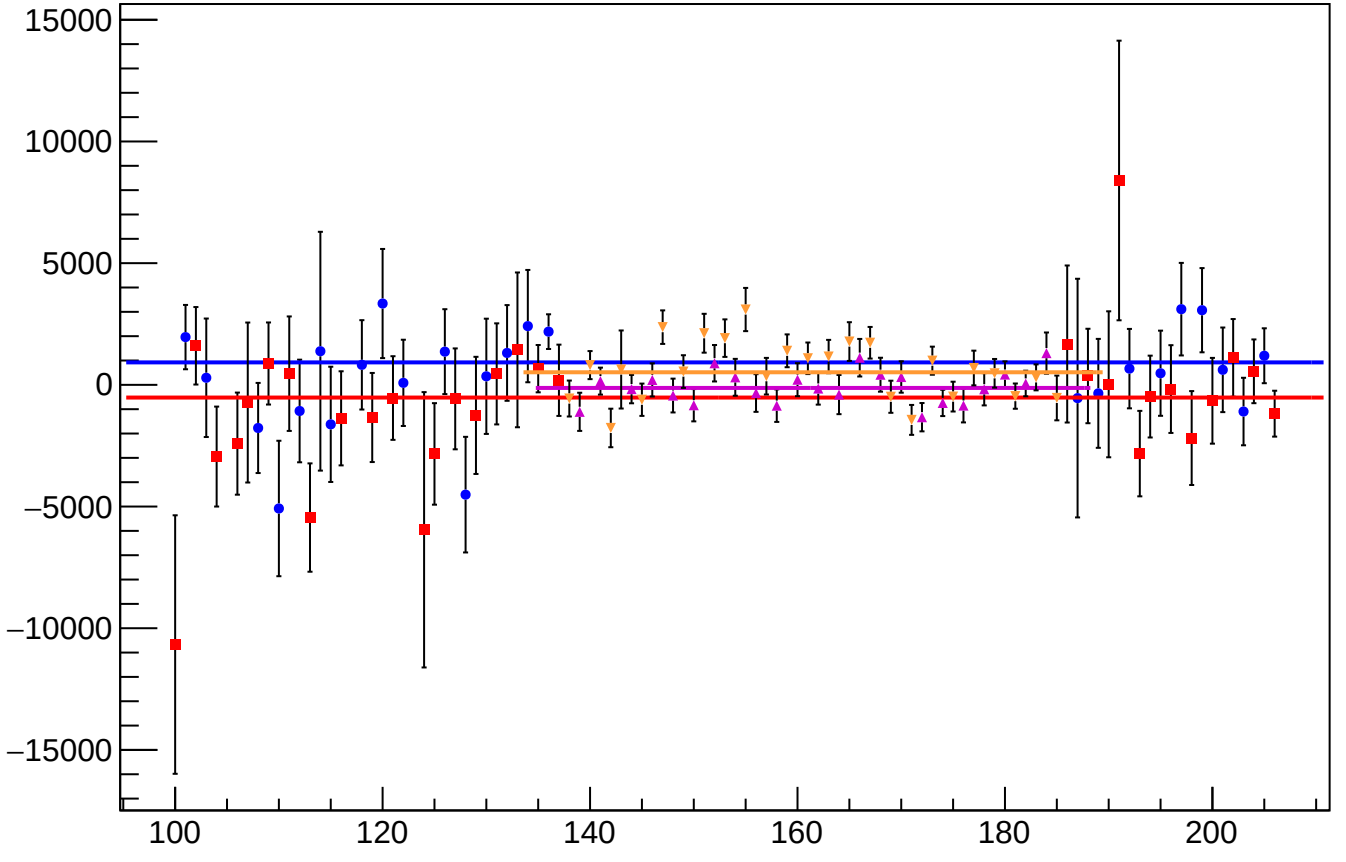
Right: 1268.086+/-0.165 χ^2/NDF: 1016453.1/55

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

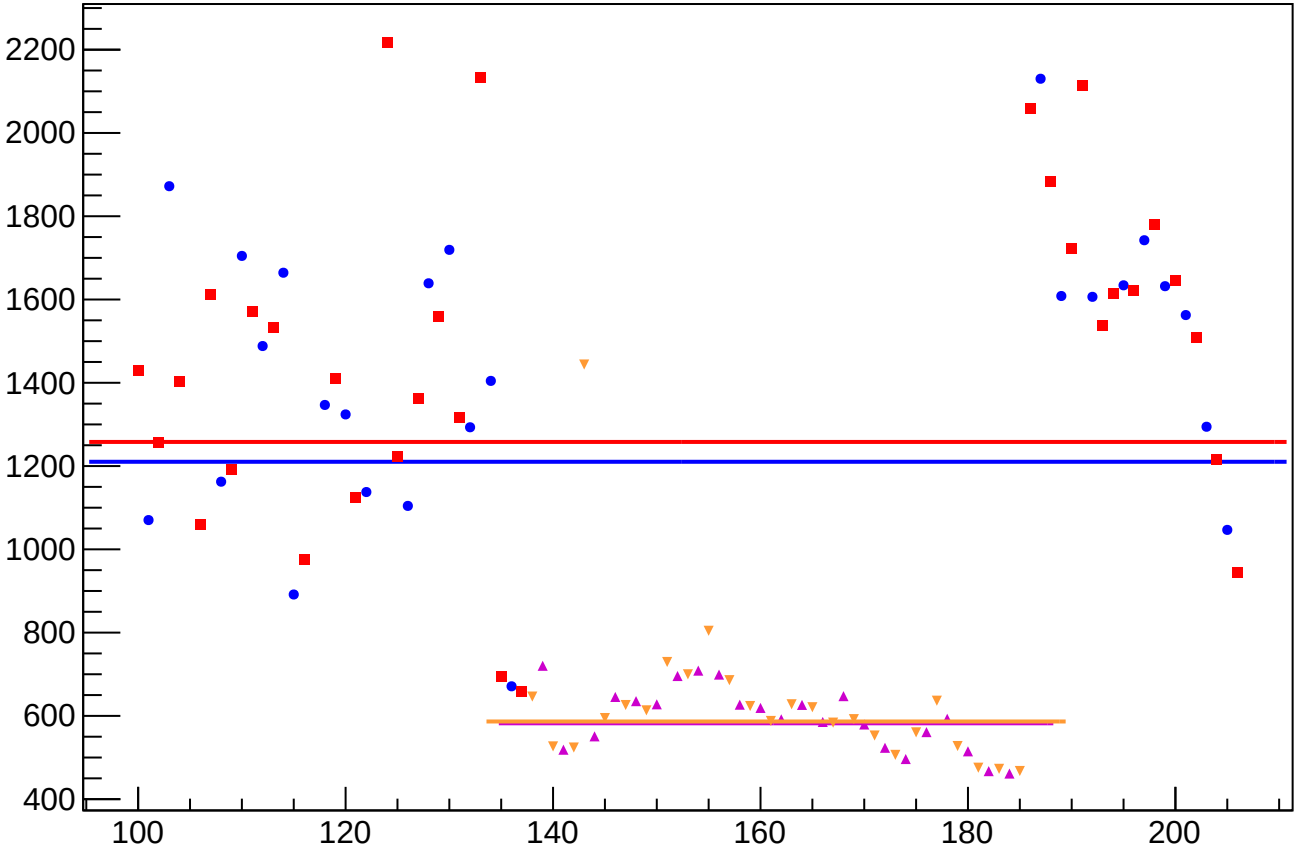
Right: 175.847+/-235.453 χ^2/NDF: 61.1/55

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 195.421+/-89.308 χ^2/NDF: 160.8/103

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

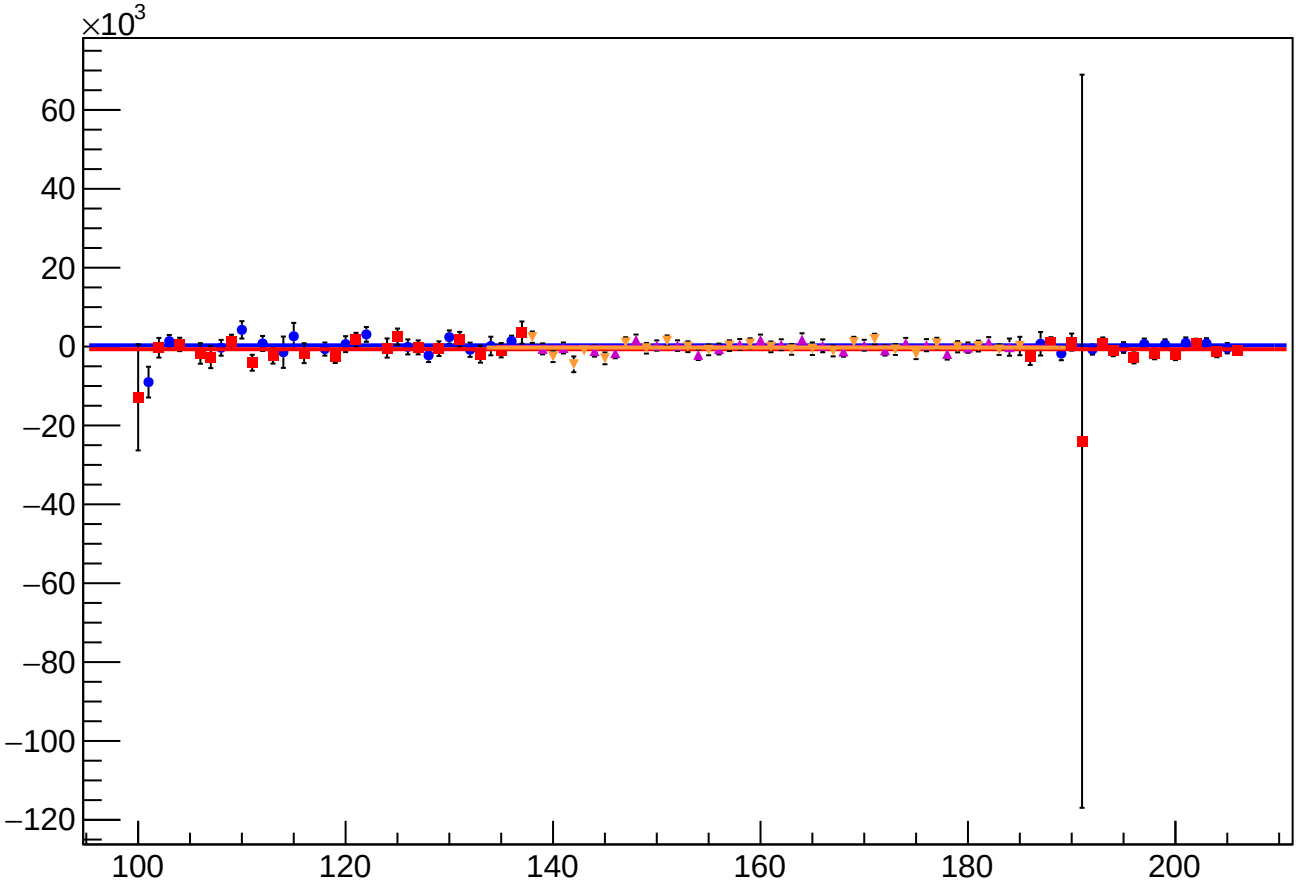
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1234.932+/-0.166 χ^2/NDF: 5074199.9/55

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.726+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

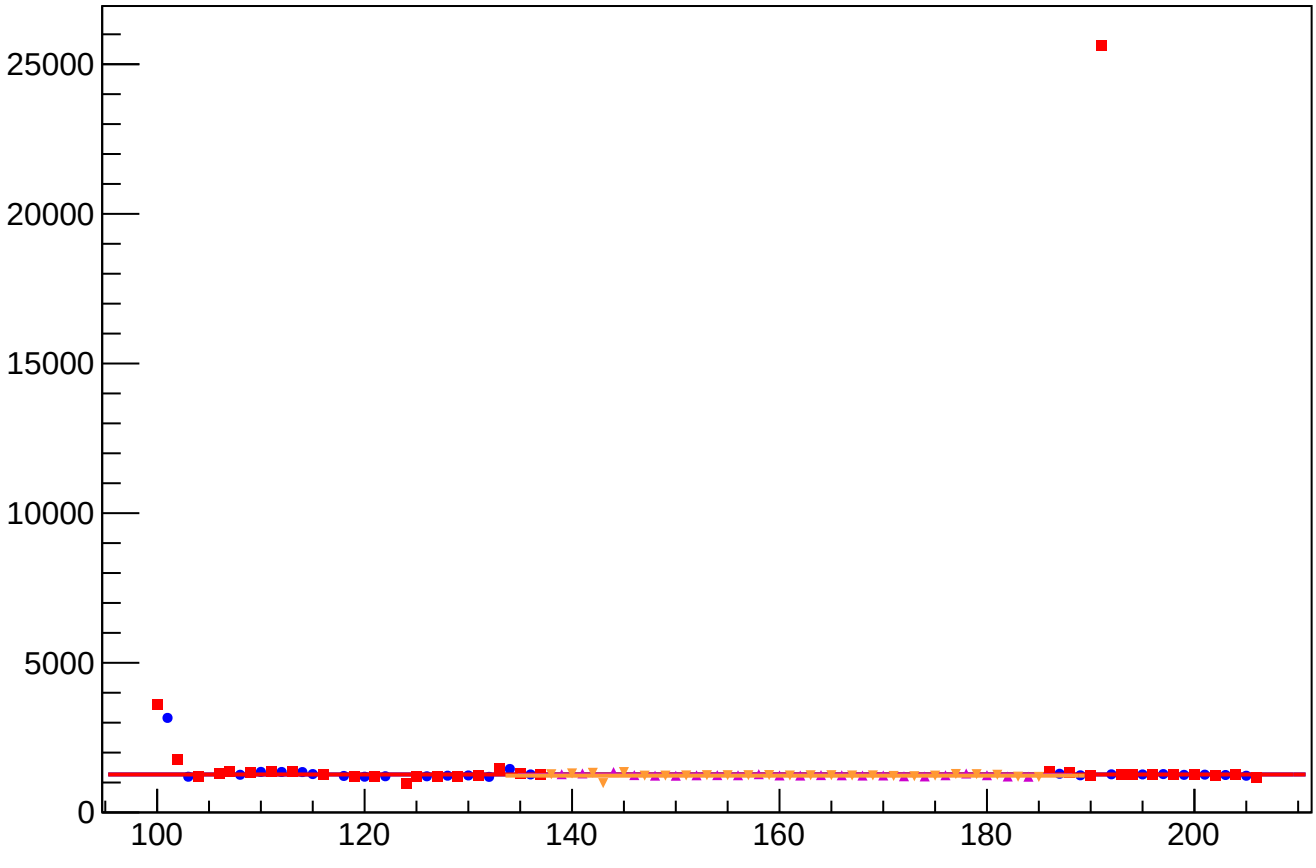
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -213.181+/-232.923 χ^2/NDF: 51.8/55

In: 89.639+/-221.718 χ^2/NDF:35.2/47

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -186.478+/-152.559 χ^2/NDF: 90.1/103



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

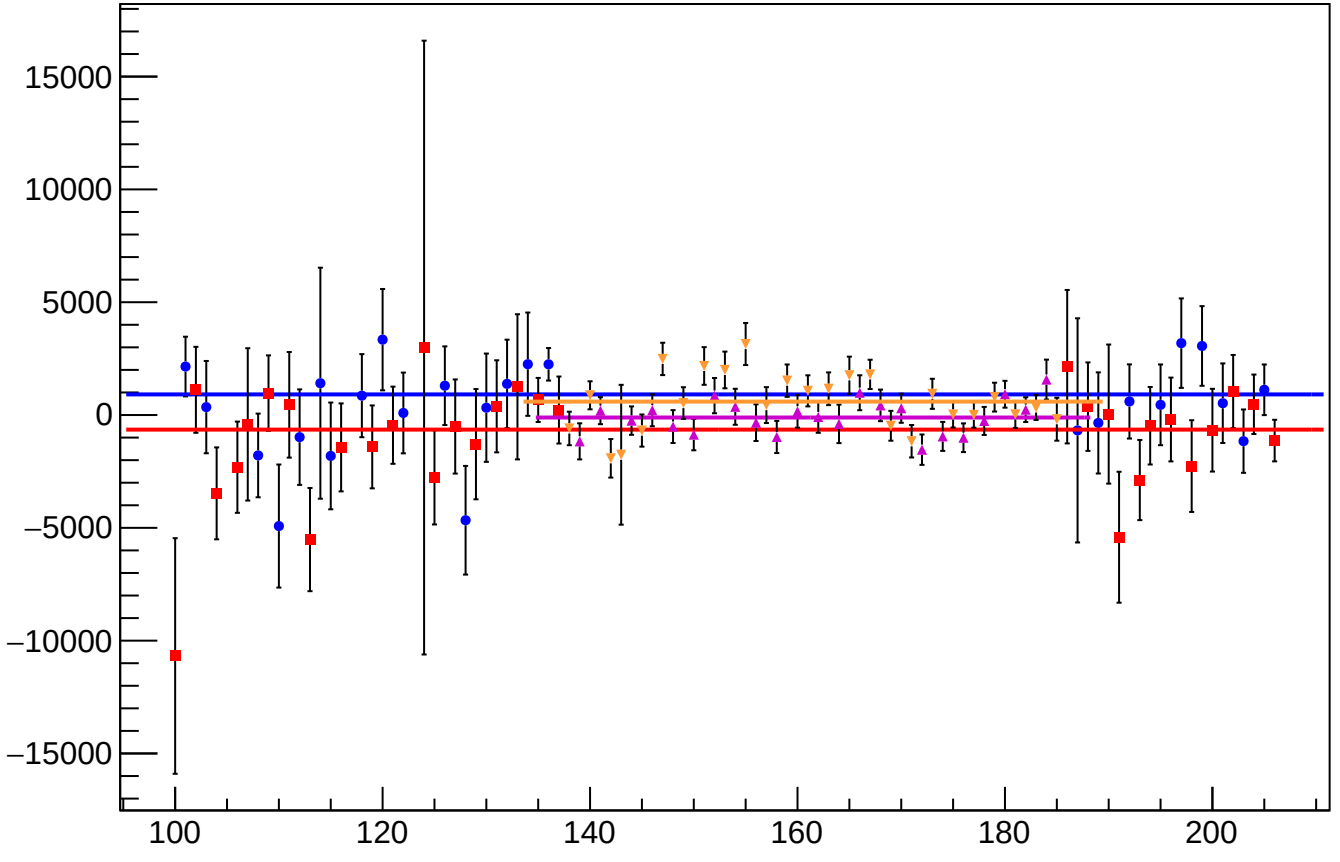
Right: 1269.565+/-0.165 χ^2/NDF: 896476.9/55

In: 1257.260+/-0.157 χ^2/NDF:544193.5/47

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1251.842+/-0.108 χ^2/NDF: 1089583.8/10

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

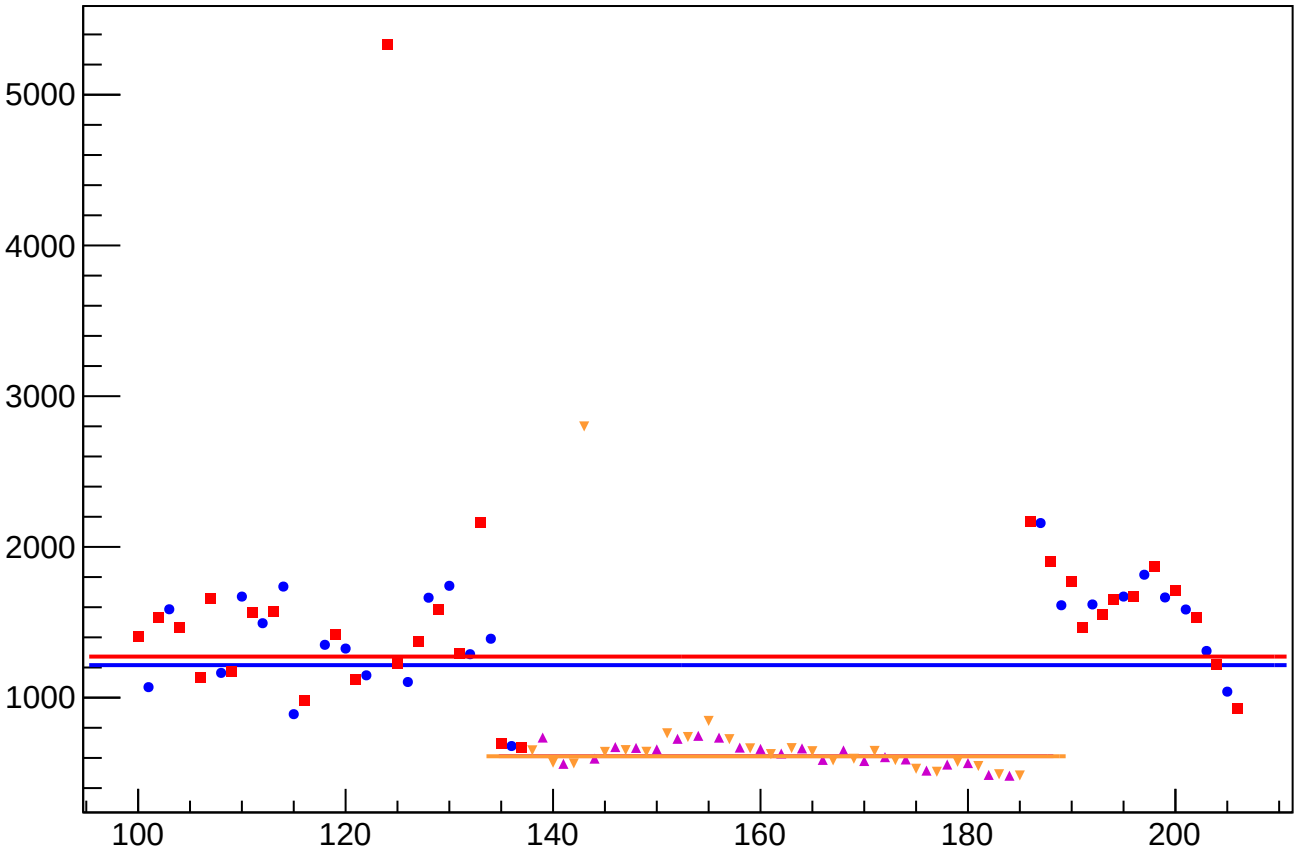
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 110.680+/-236.826 χ^2/NDF: 62.1/55

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 400.839+/-130.543 χ^2/NDF:94.5/55

All: 226.404+/-93.088 χ^2/NDF: 157.5/103



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

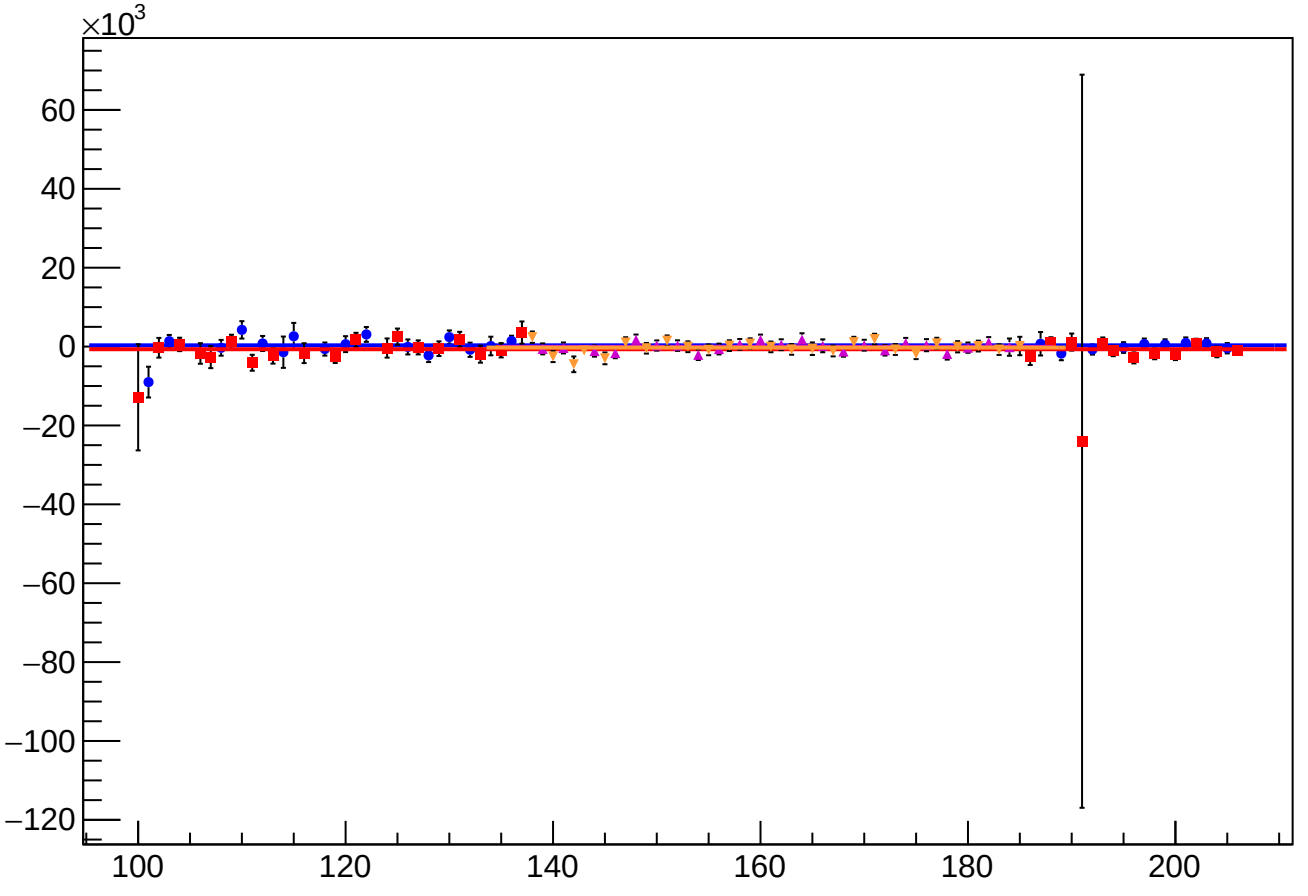
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1244.896+/-0.167 χ^2/NDF: 5325072.3/55

In: 704.415+/-0.094 χ^2/NDF:8241756.0/47

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 709.557+/-0.066 χ^2/NDF: 19540016.5/10



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.725+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

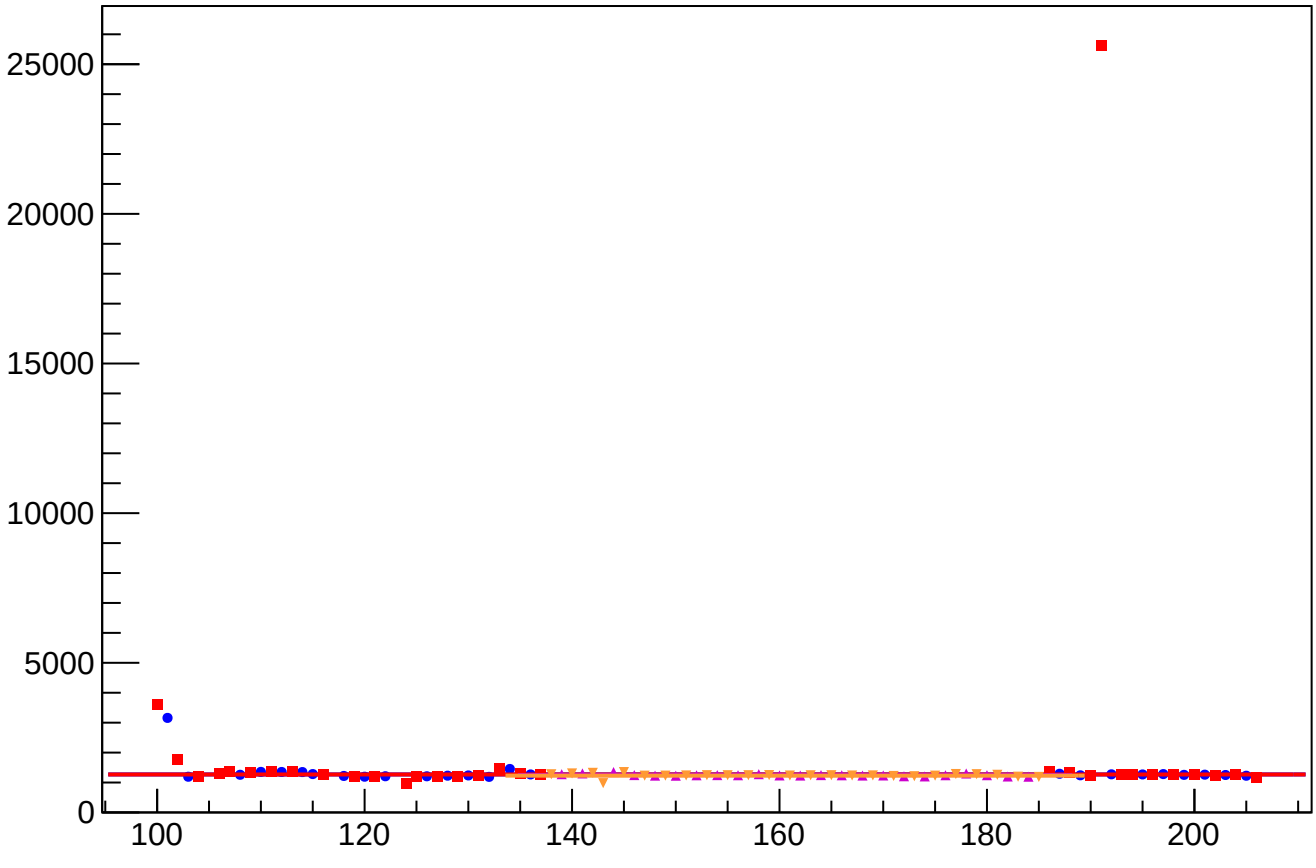
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -213.180+/-232.923 χ^2/NDF: 51.8/55

In: 89.640+/-221.718 χ^2/NDF:35.2/47

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -186.478+/-152.559 χ^2/NDF: 90.1/103



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

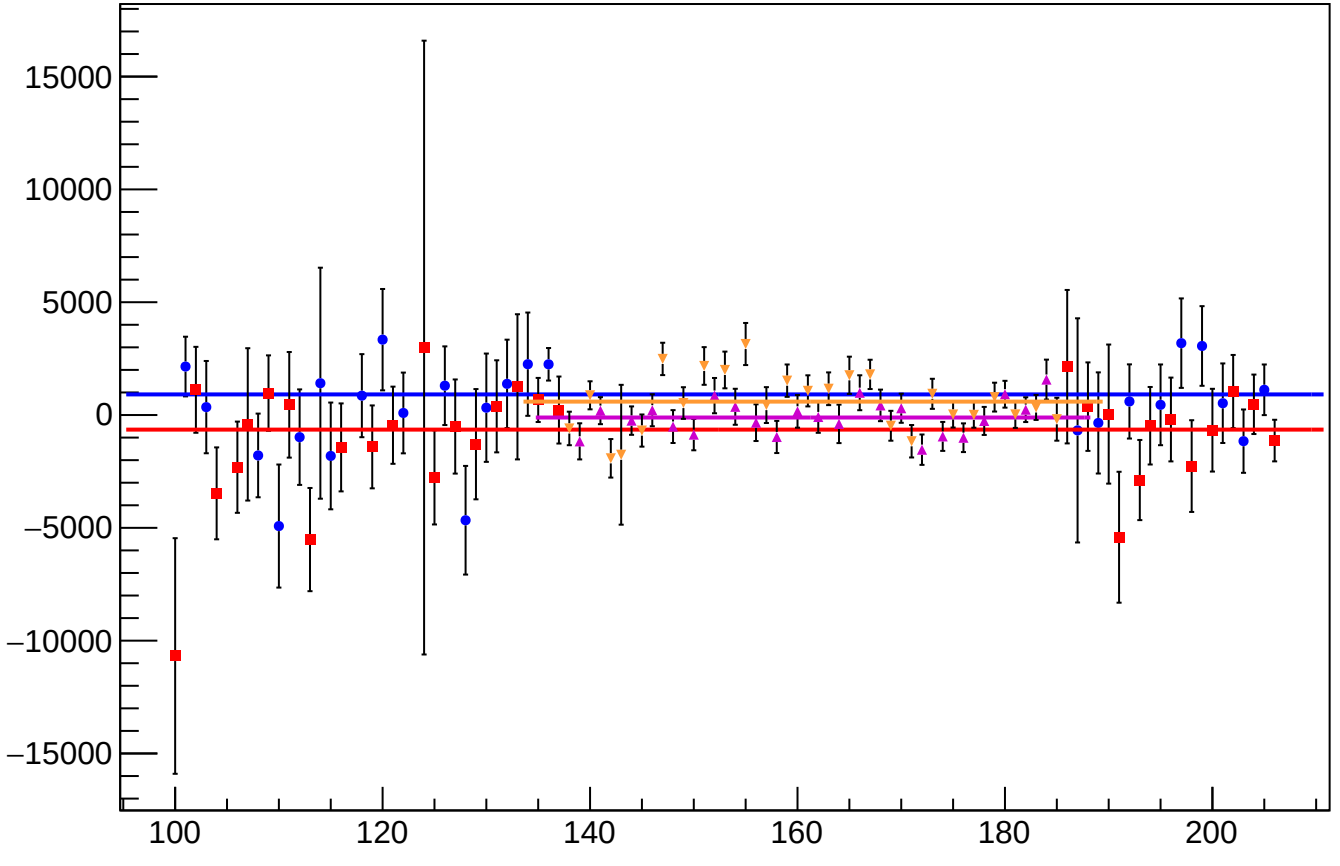
Right: 1269.565+/-0.165 χ^2/NDF: 896476.8/55

In: 1257.260+/-0.157 χ^2/NDF:544193.6/47

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1251.841+/-0.108 χ^2/NDF: 1089582.7/10

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

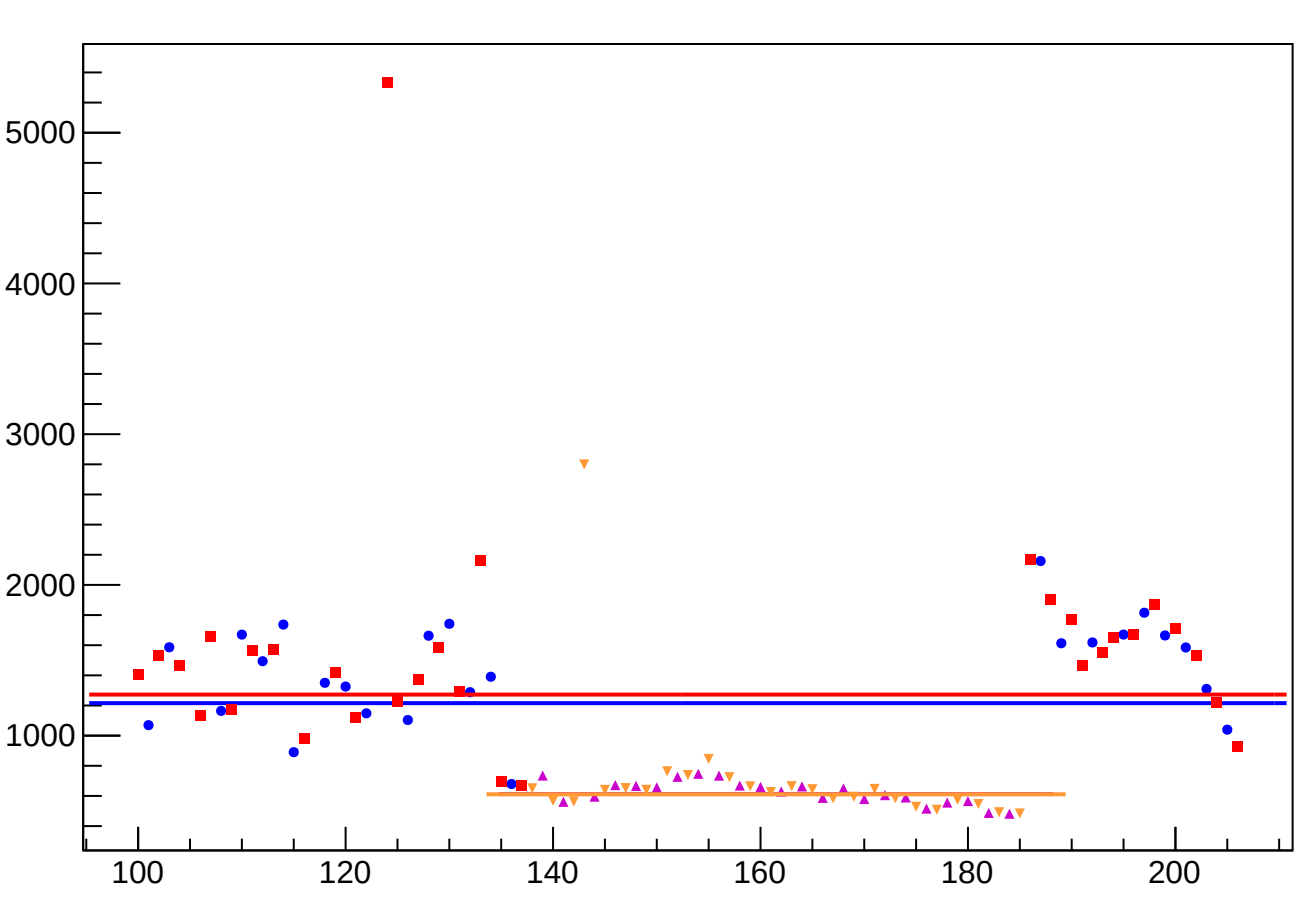
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 110.674+/-236.826 χ^2/NDF: 62.1/55

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 400.838+/-130.543 χ^2/NDF:94.5/55

All: 226.403+/-93.088 χ^2/NDF: 157.5/103



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

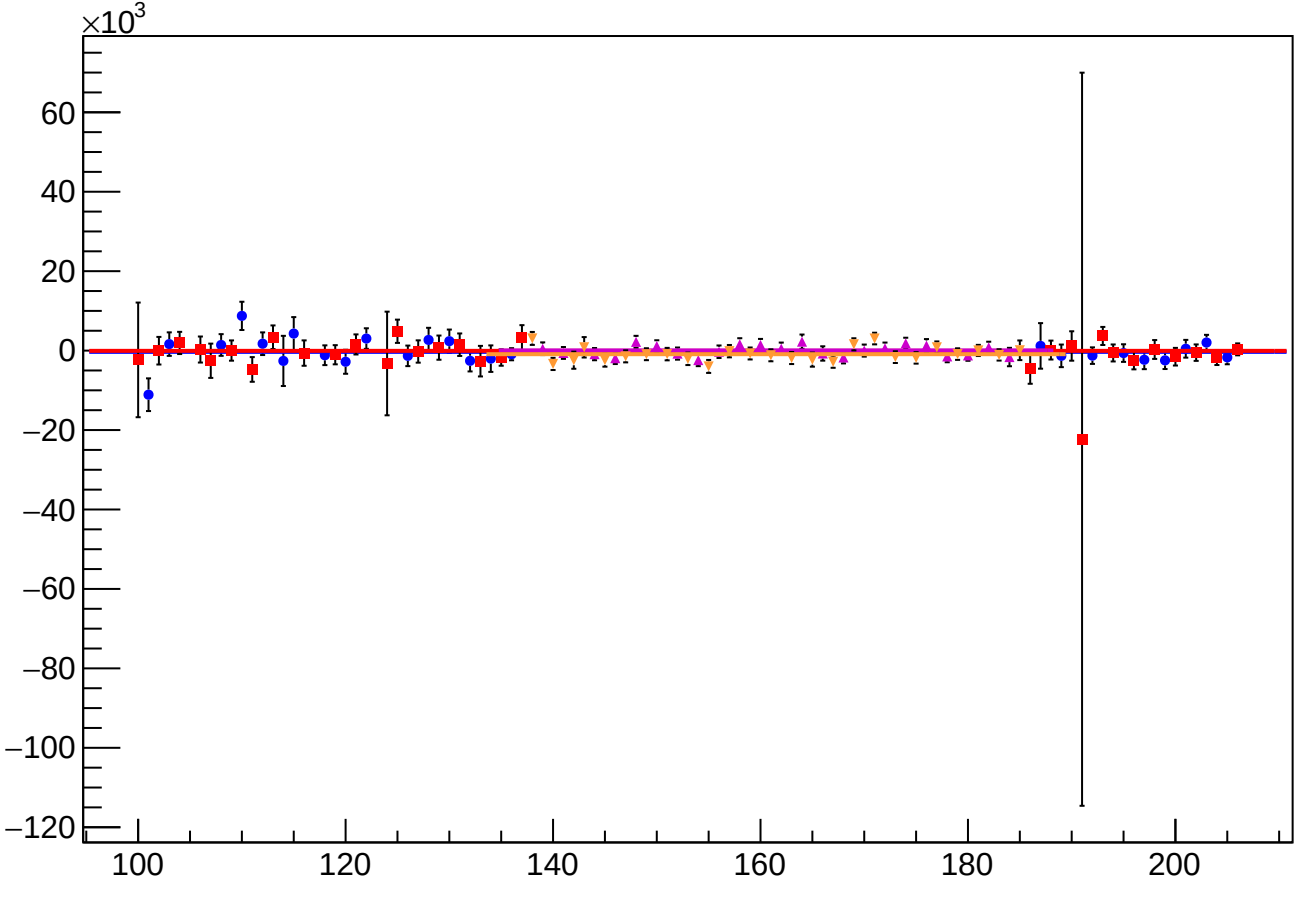
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1244.899+/-0.167 χ^2/NDF: 5324948.2/55

In: 704.414+/-0.094 χ^2/NDF:8241751.6/47

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 709.557+/-0.066 χ^2/NDF: 19540003.3/10



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -60.104+/-482.403 χ^2/NDF: 17.2/30

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

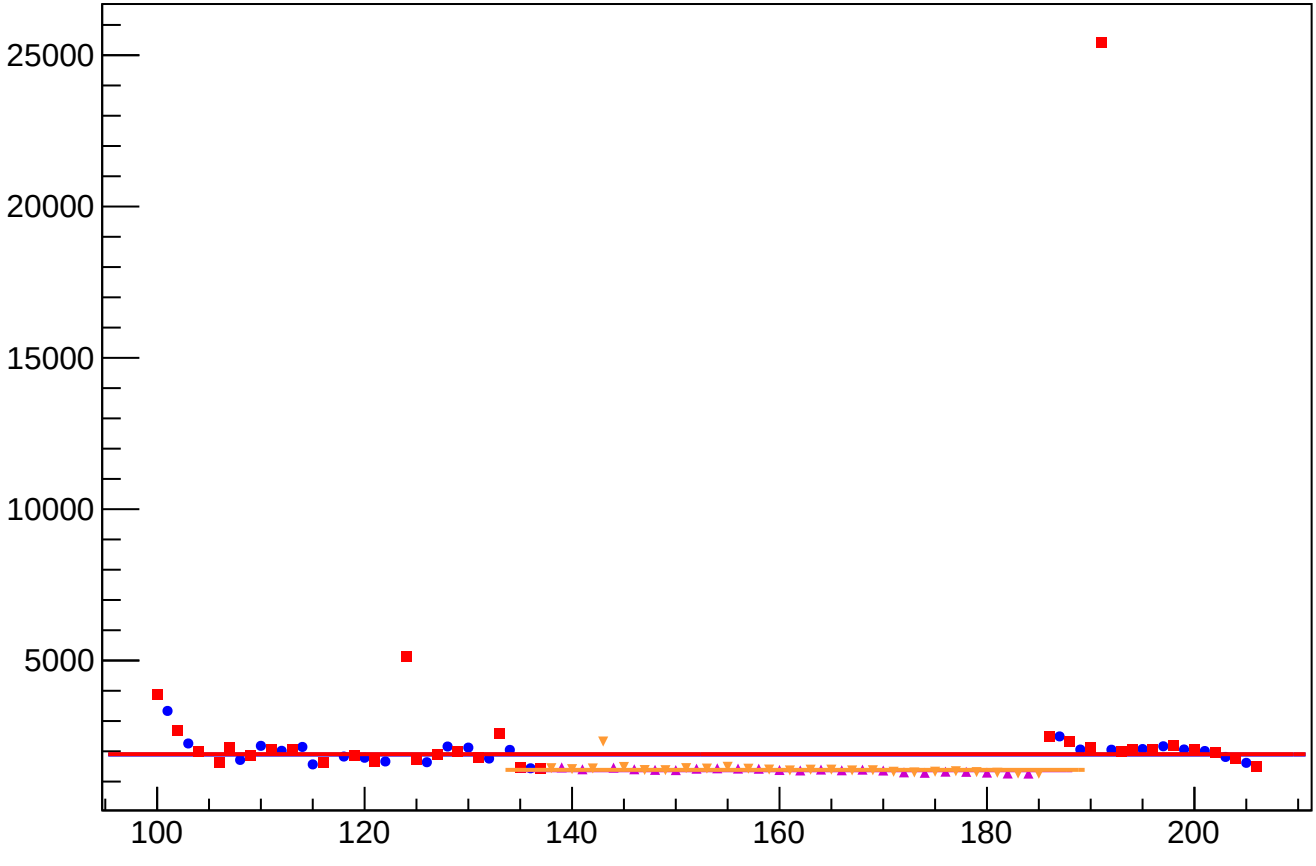
Right: -178.952+/-350.943 χ^2/NDF: 43.3/55

In: -53.723+/-271.849 χ^2/NDF:44.2/47

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -358.502+/-189.611 χ^2/NDF: 95.8/103

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

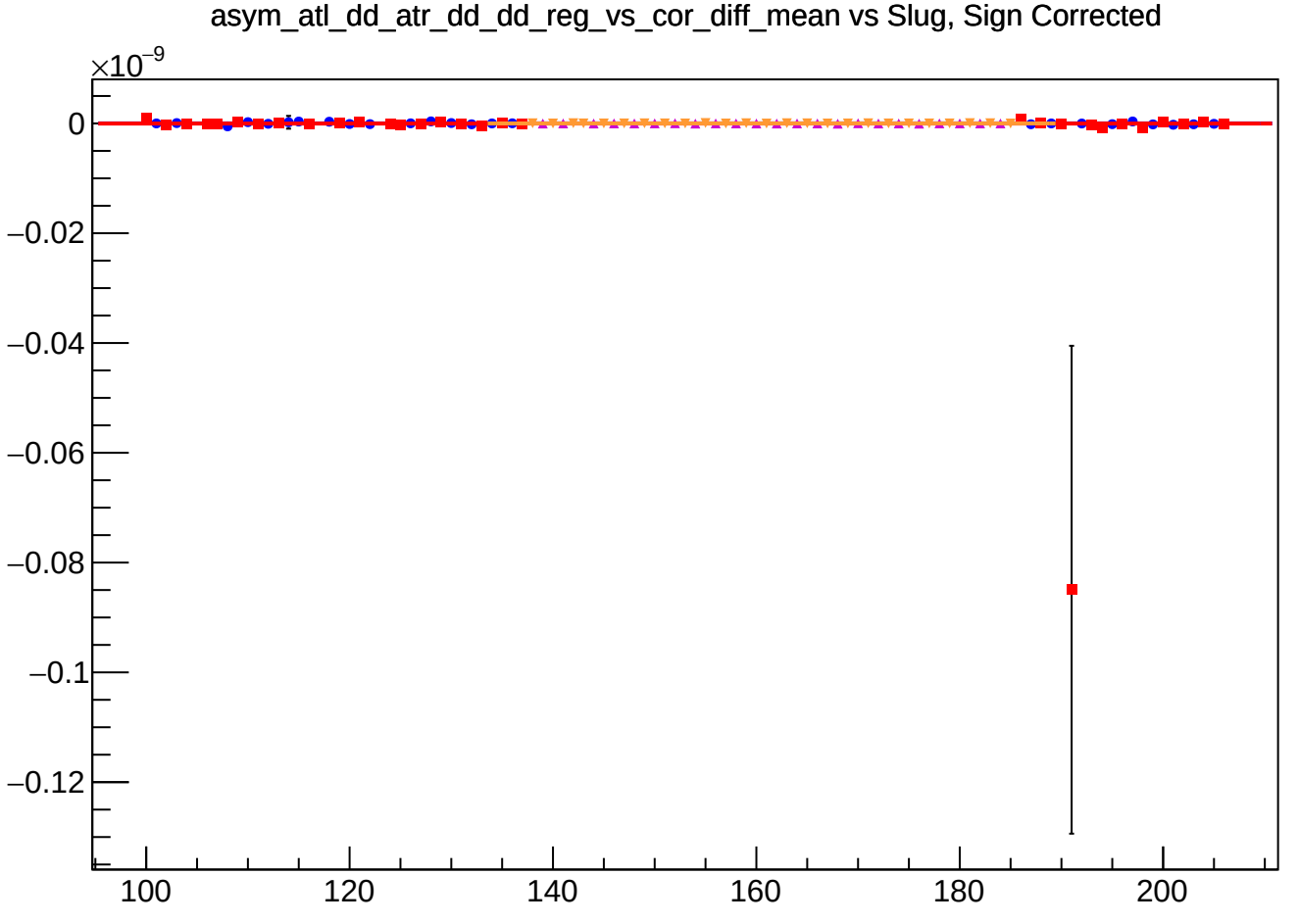
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1899.531+/-0.248 χ^2/NDF: 1711364.0/55

In: 1519.884+/-0.192 χ^2/NDF:2262656.7/47

Out: 1542.987+/-0.187 χ^2/NDF:2949487.5/55

All: 1531.748+/-0.134 χ^2/NDF: 5219561.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

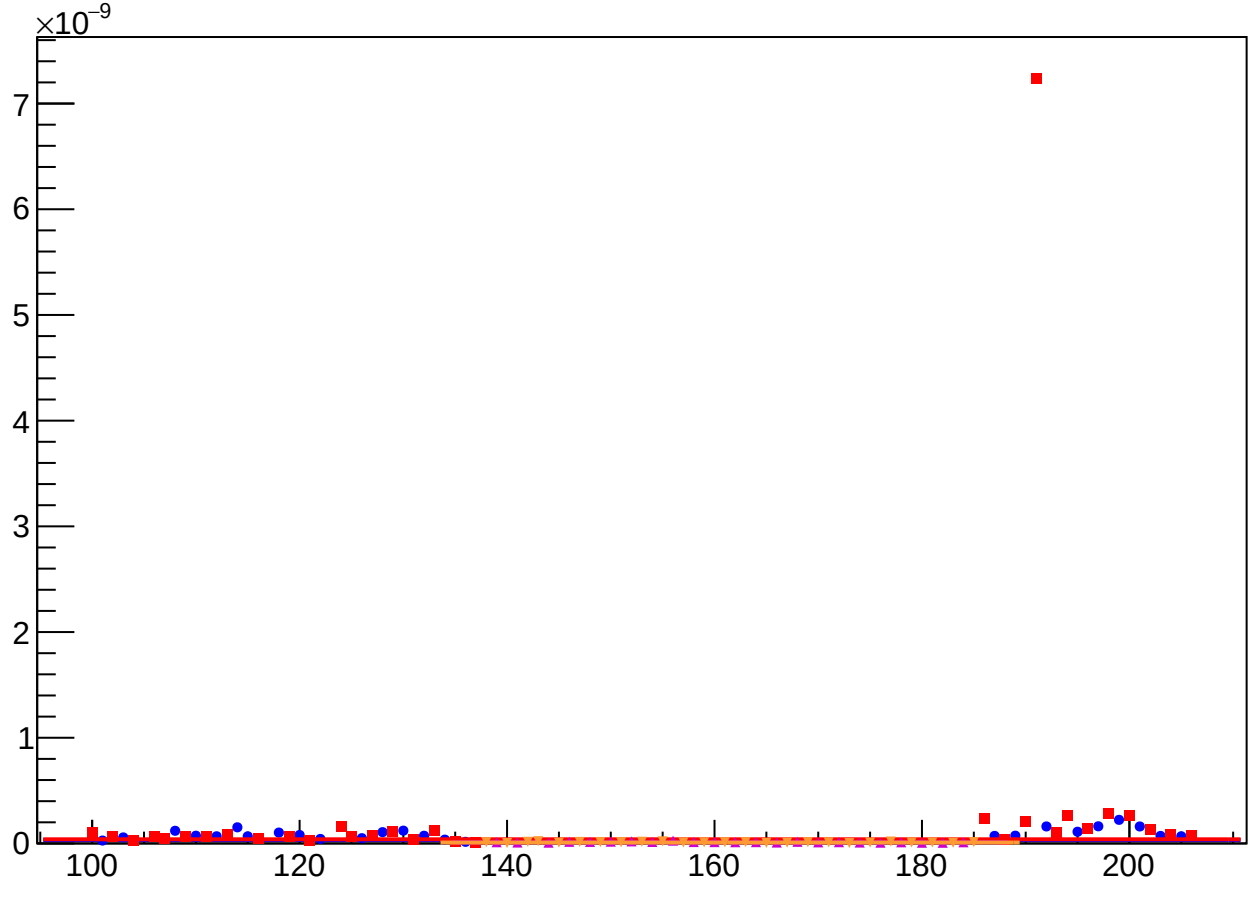
Right: -0.000+/-0.000 χ^2/NDF: 69.6/55

In: 0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.2/103

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

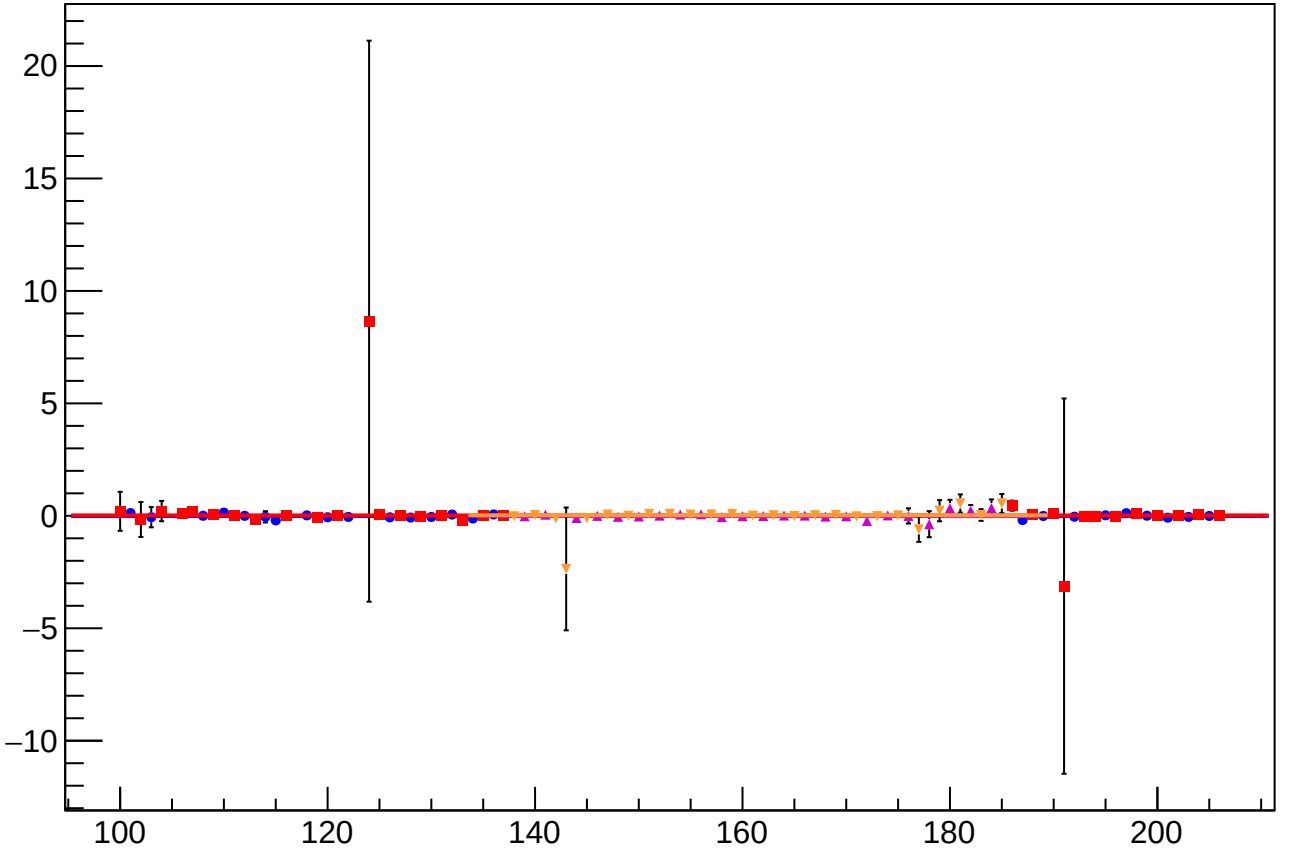
Right: 0.000+/-0.000 χ^2/NDF: 12150464.2/55

In: 0.000+/-0.000 χ^2/NDF:9551877.2/47

Out: 0.000+/-0.000 χ^2/NDF:12999438.4/55

All: 0.000+/-0.000 χ^2/NDF: 22819019.6/103

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

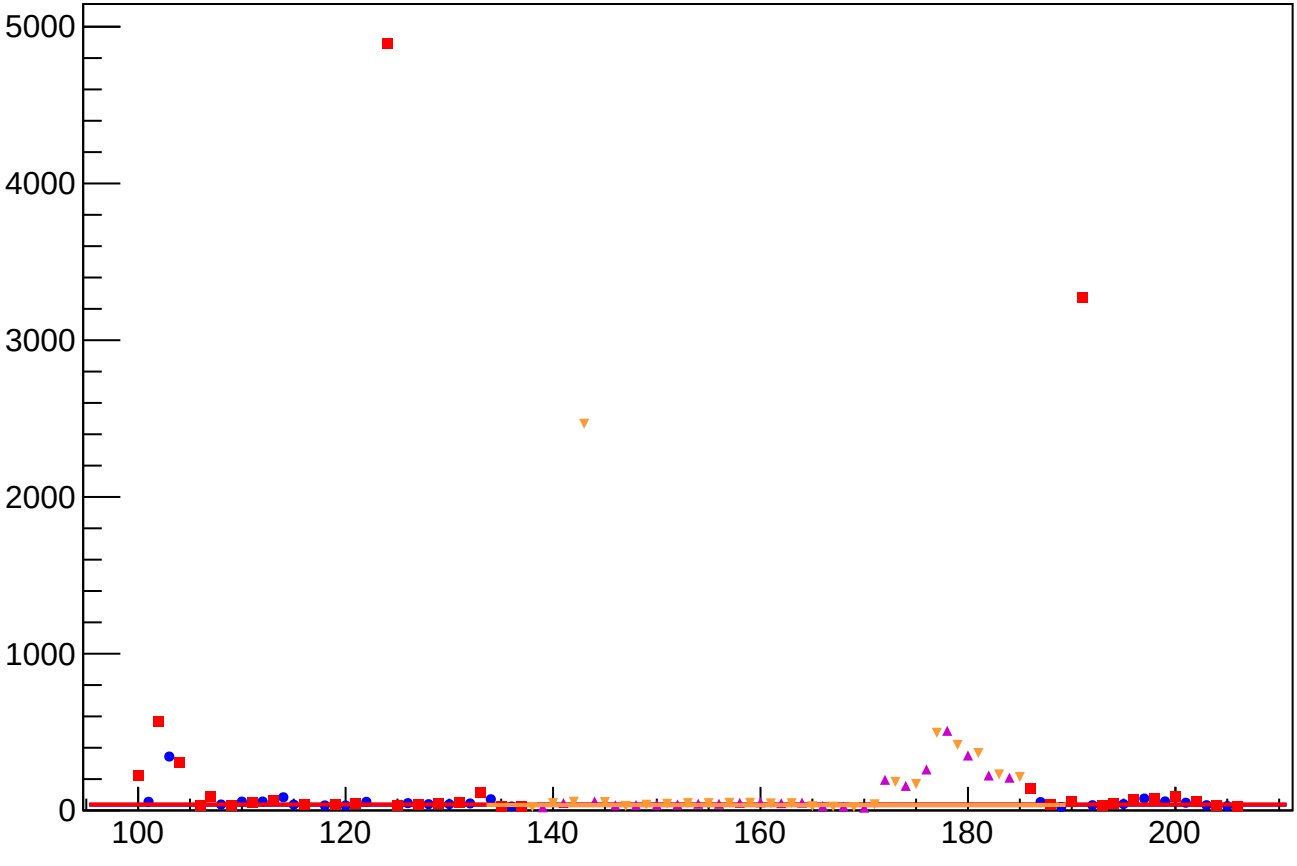
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

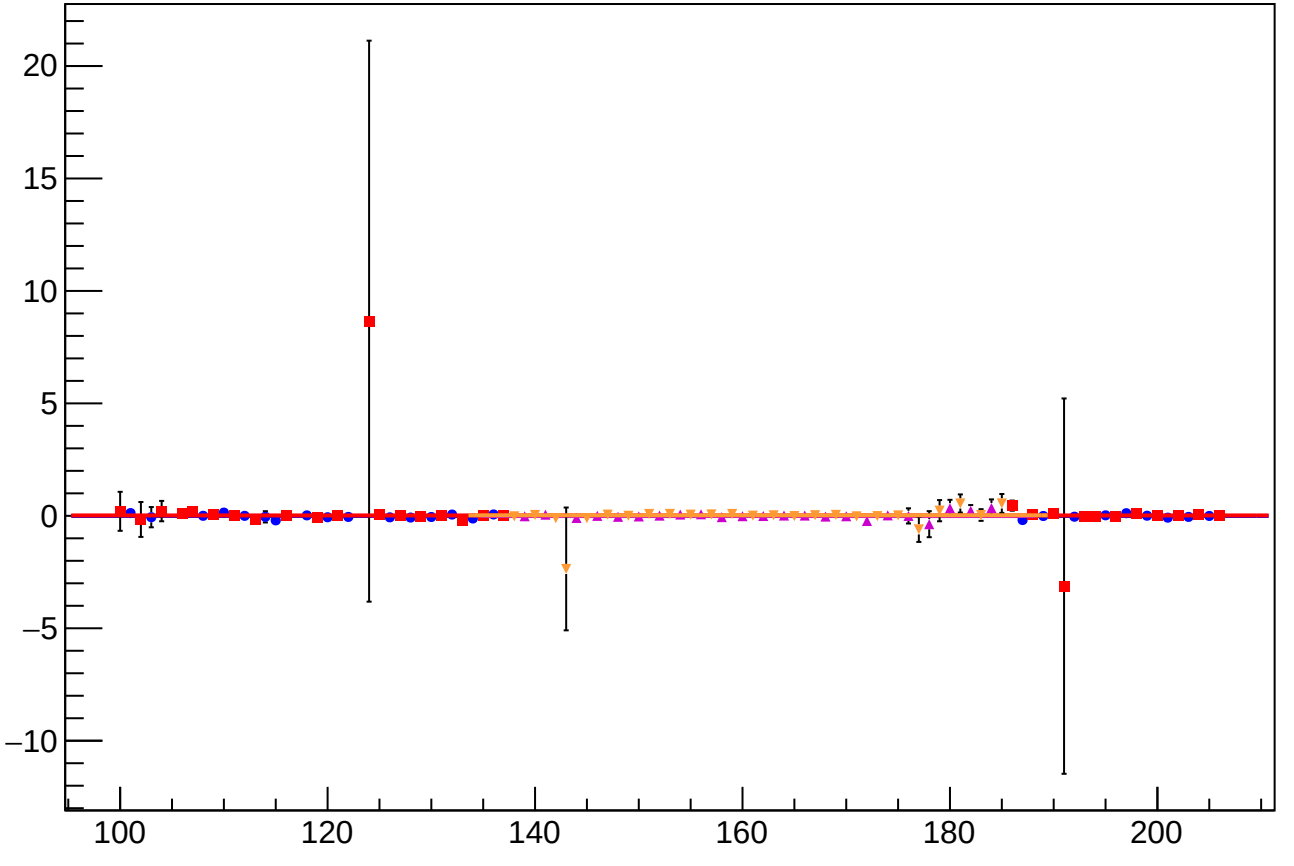
Right: 37.280+/-0.006 χ^2/NDF: 9012881.1/55

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

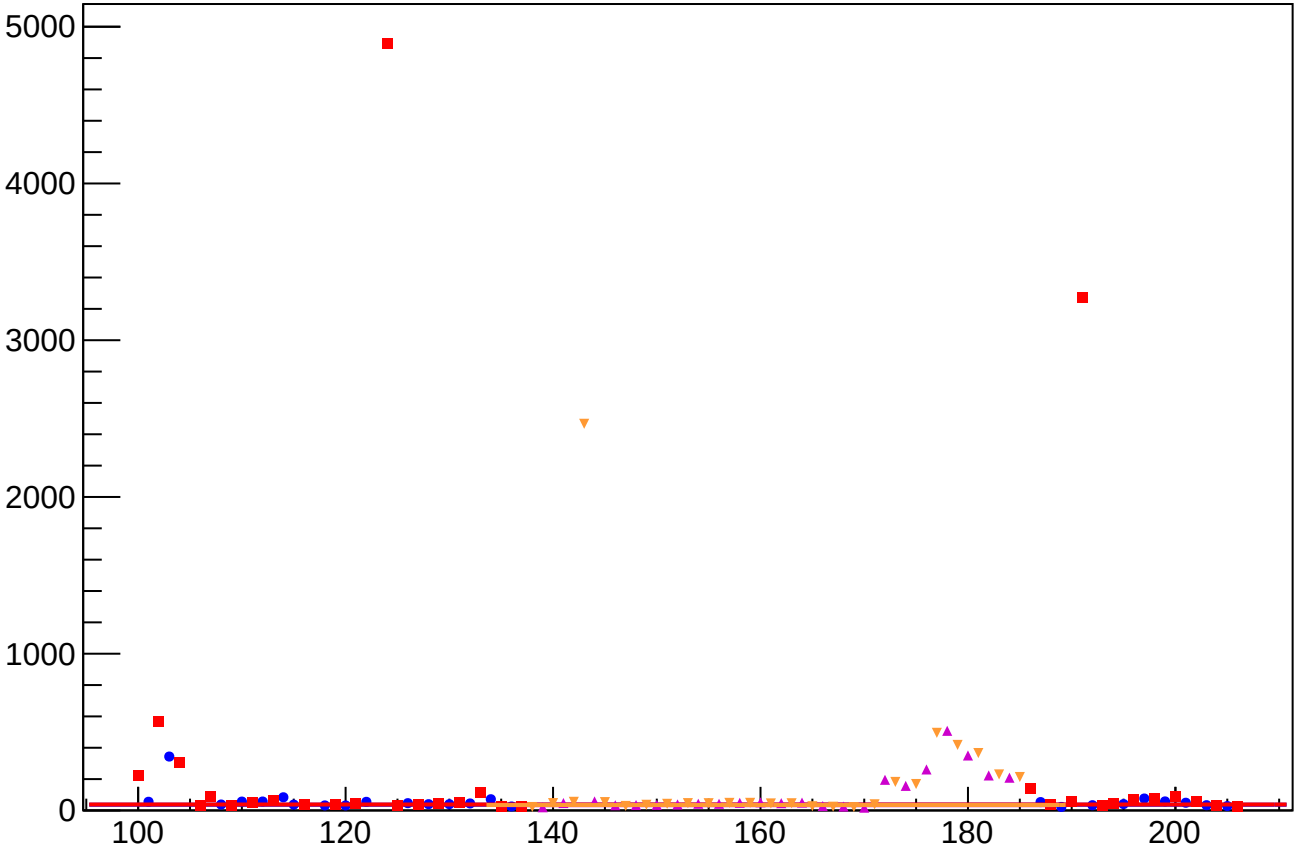
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

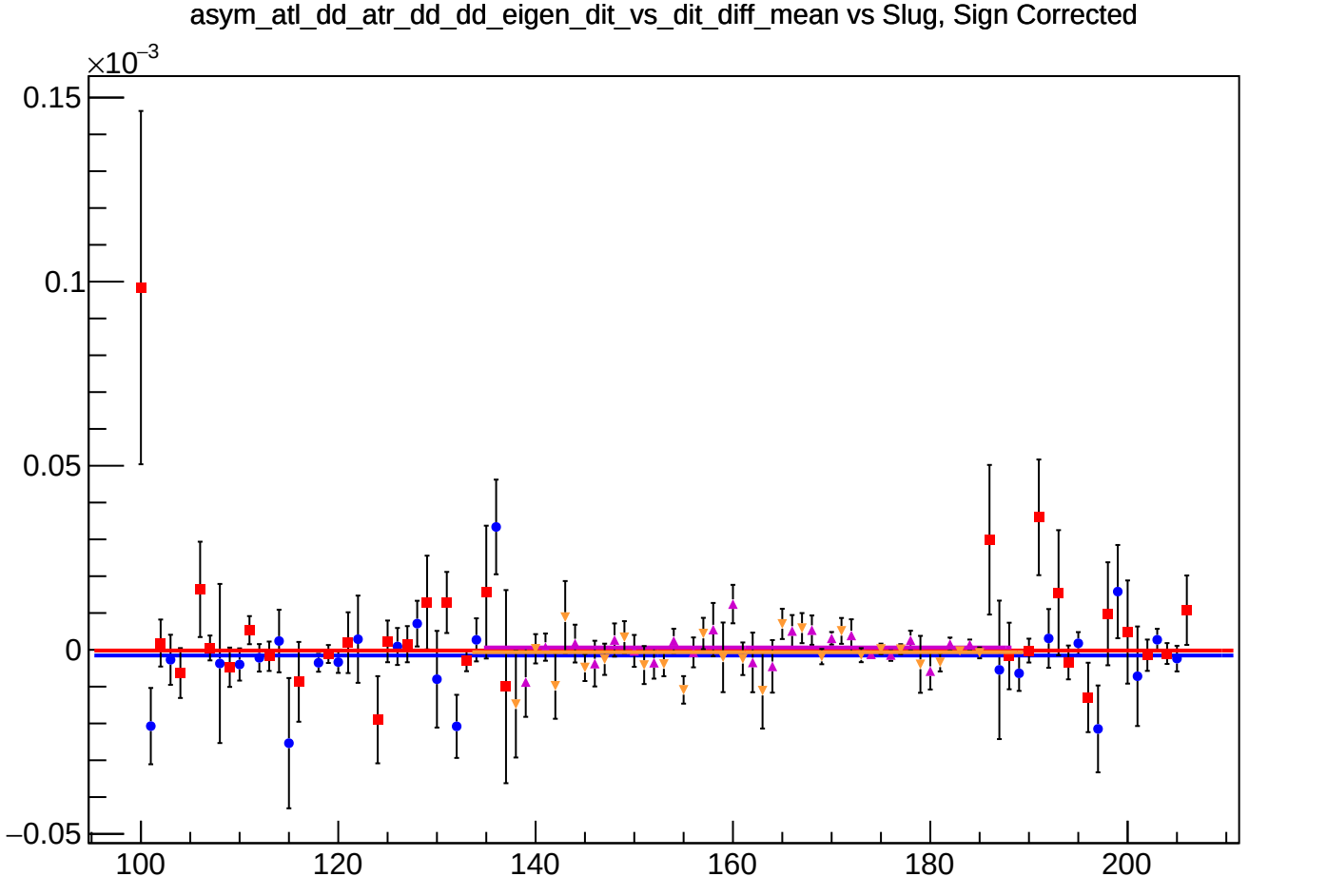
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.280+/-0.006 χ^2/NDF: 9012881.1/55

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

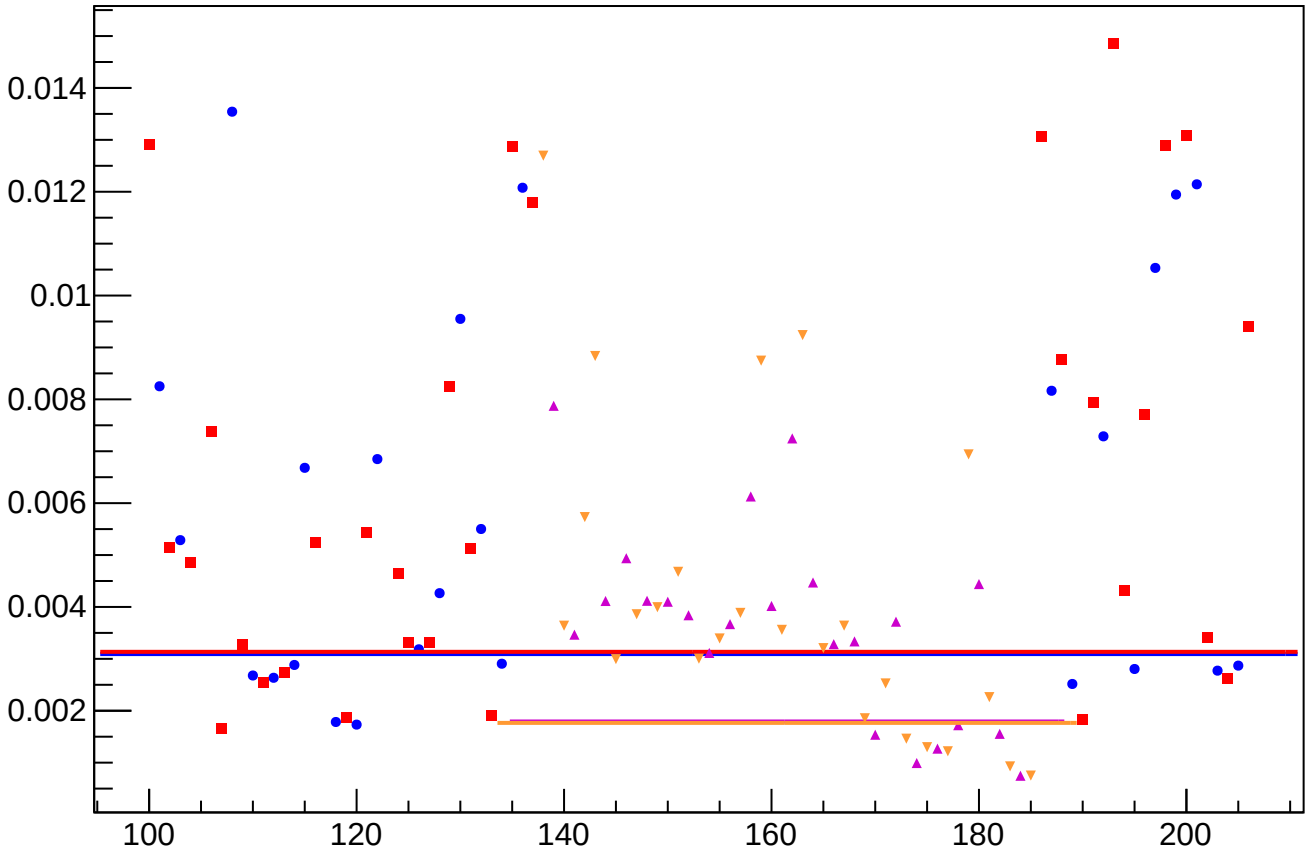
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.7/55

In: 0.000+/-0.000 χ^2/NDF:57.5/47

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 118.9/103



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

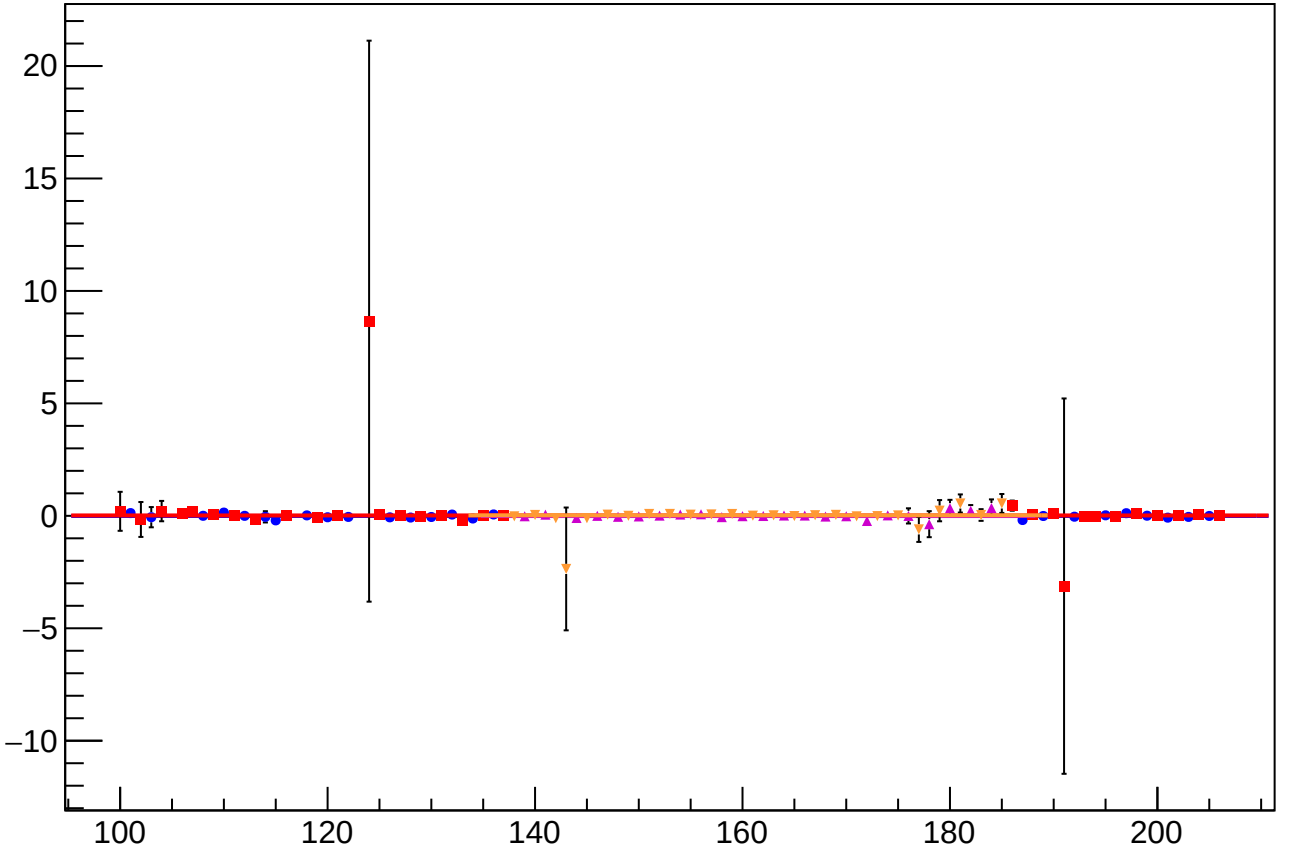
Right: 0.003+/-0.000 χ^2/NDF: 17415009.9/55

In: 0.002+/-0.000 χ^2/NDF:20965279.7/47

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 46856737.2/103

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

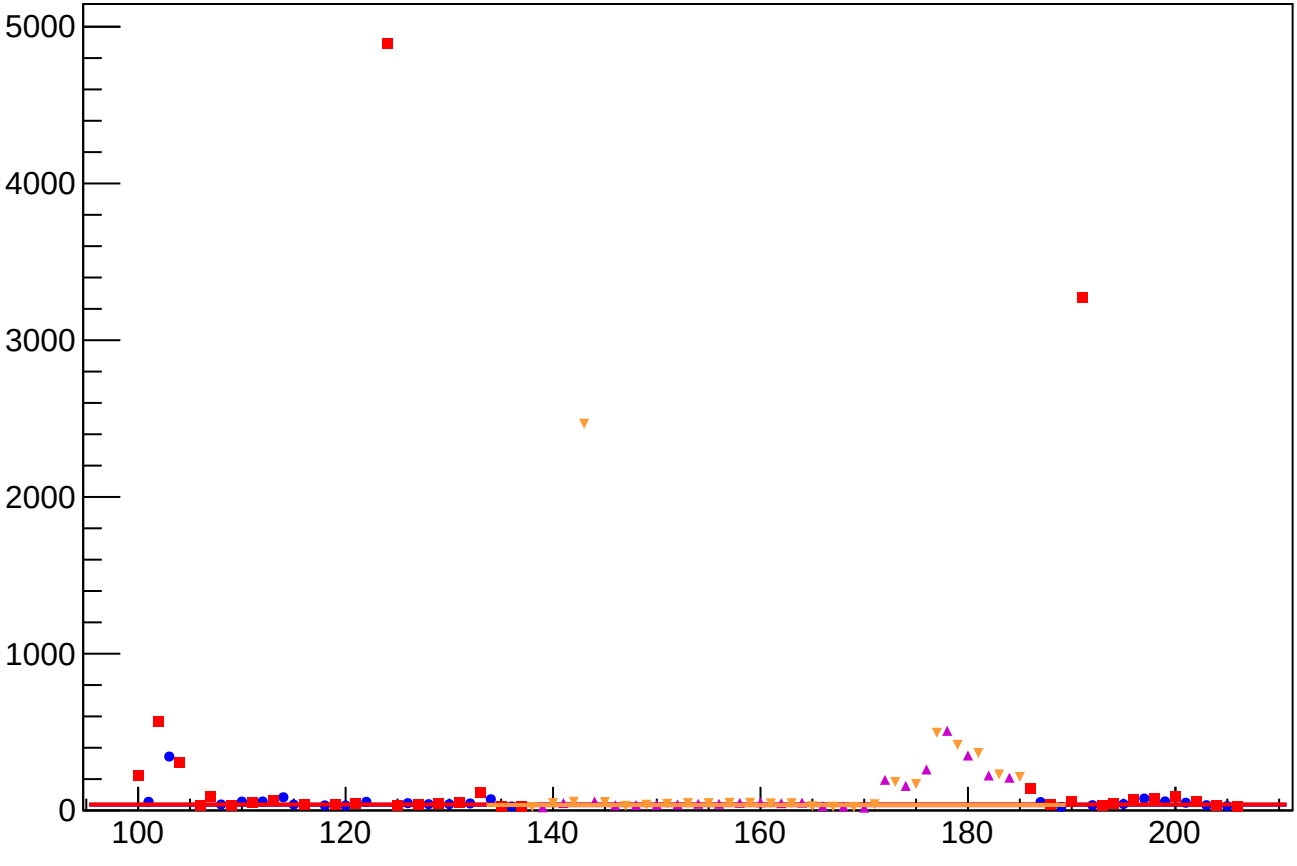
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

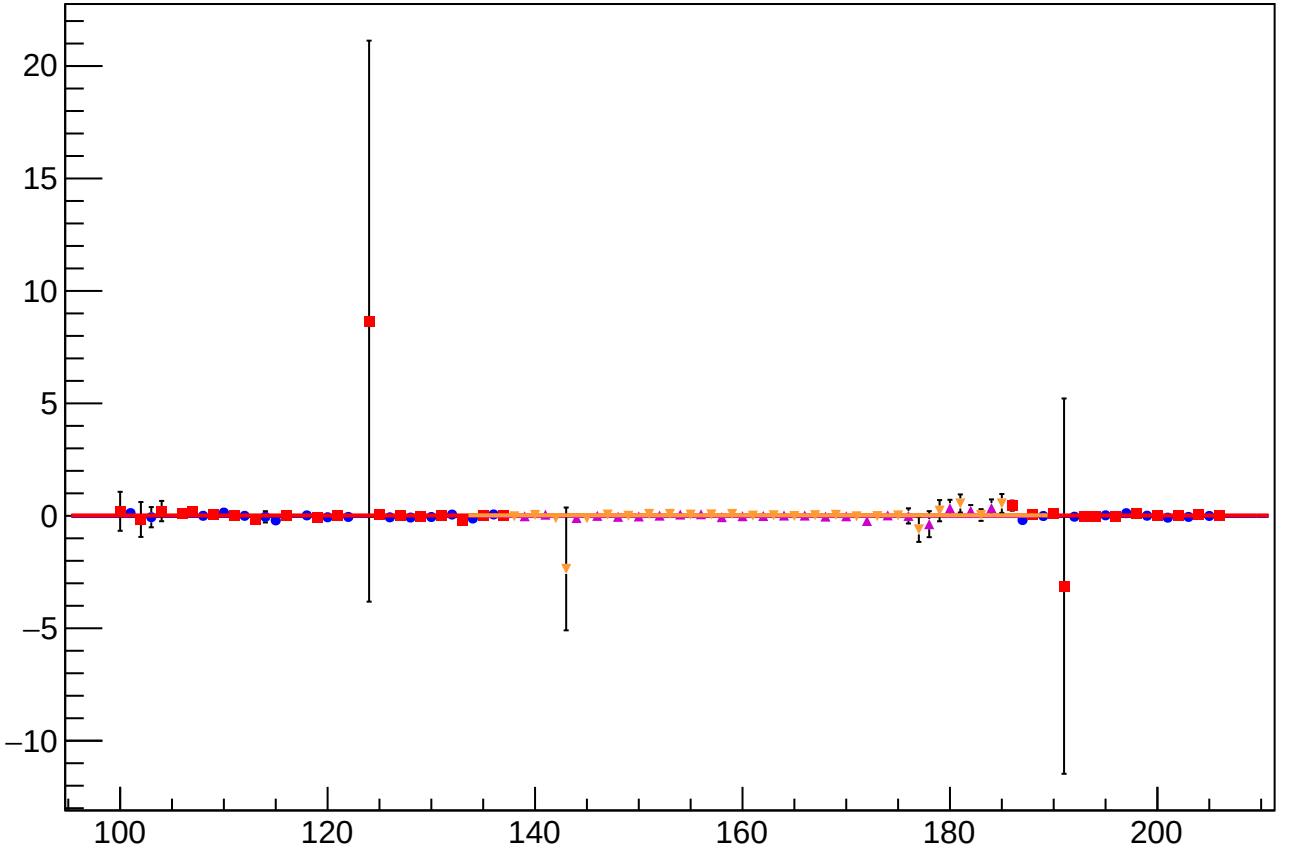
Right: 37.281+/-0.006 χ^2/NDF: 9011790.7/55

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

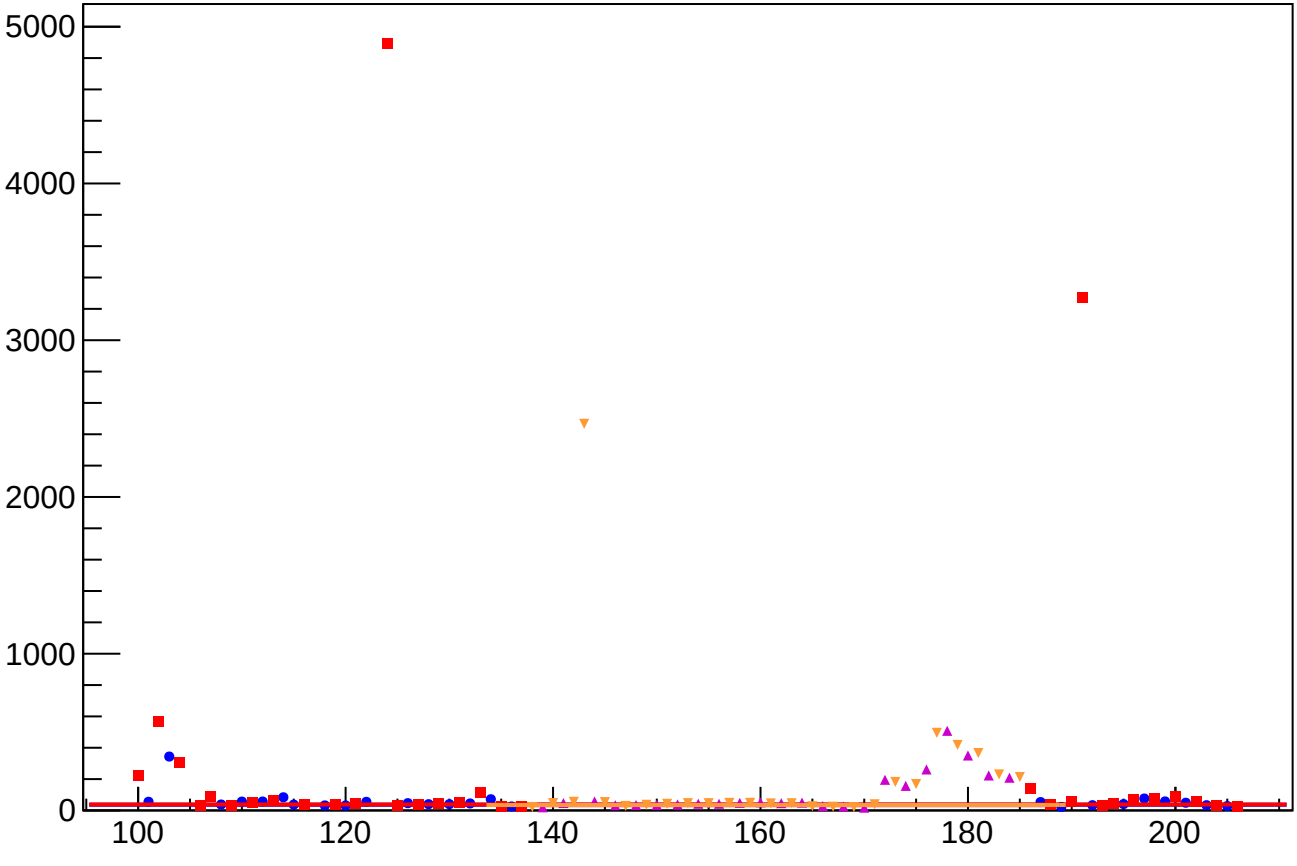
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

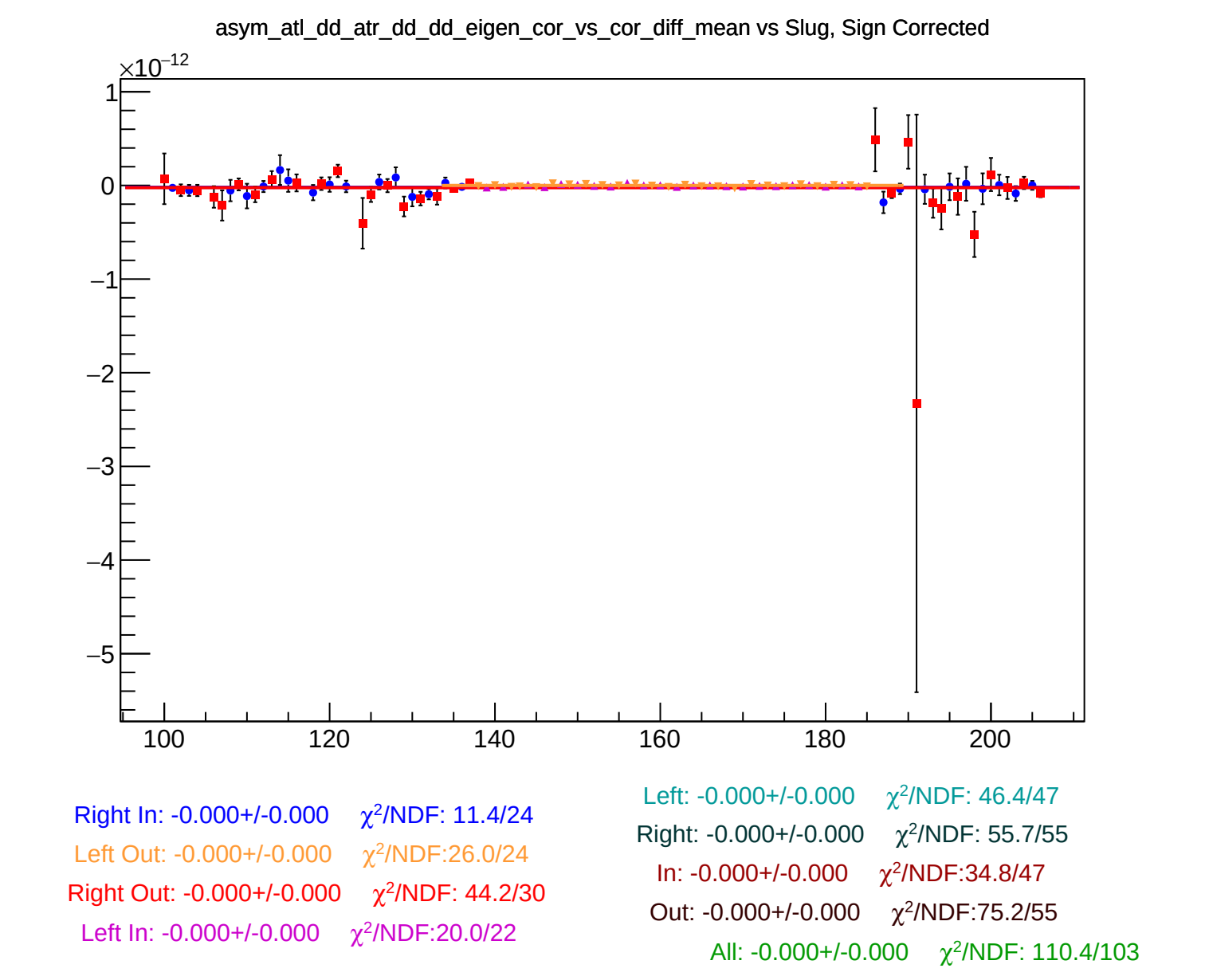
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

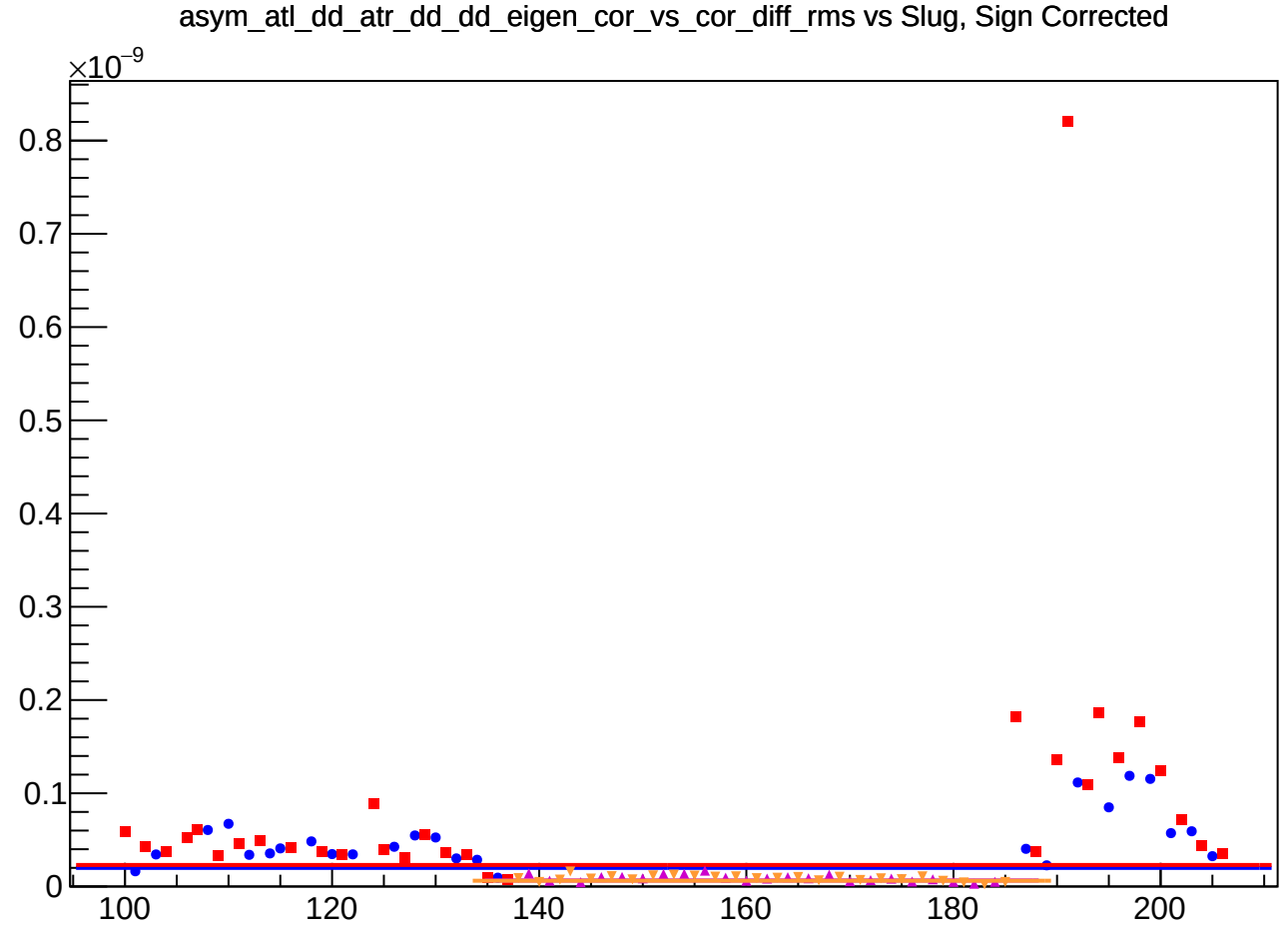
Right: 37.281+/-0.006 χ^2/NDF: 9011790.7/55

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.4/24
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 44.2/30
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 55.7/55
In: -0.000+/-0.000 χ²/NDF:34.8/47
Out: -0.000+/-0.000 χ²/NDF:75.2/55
All: -0.000+/-0.000 χ²/NDF: 110.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

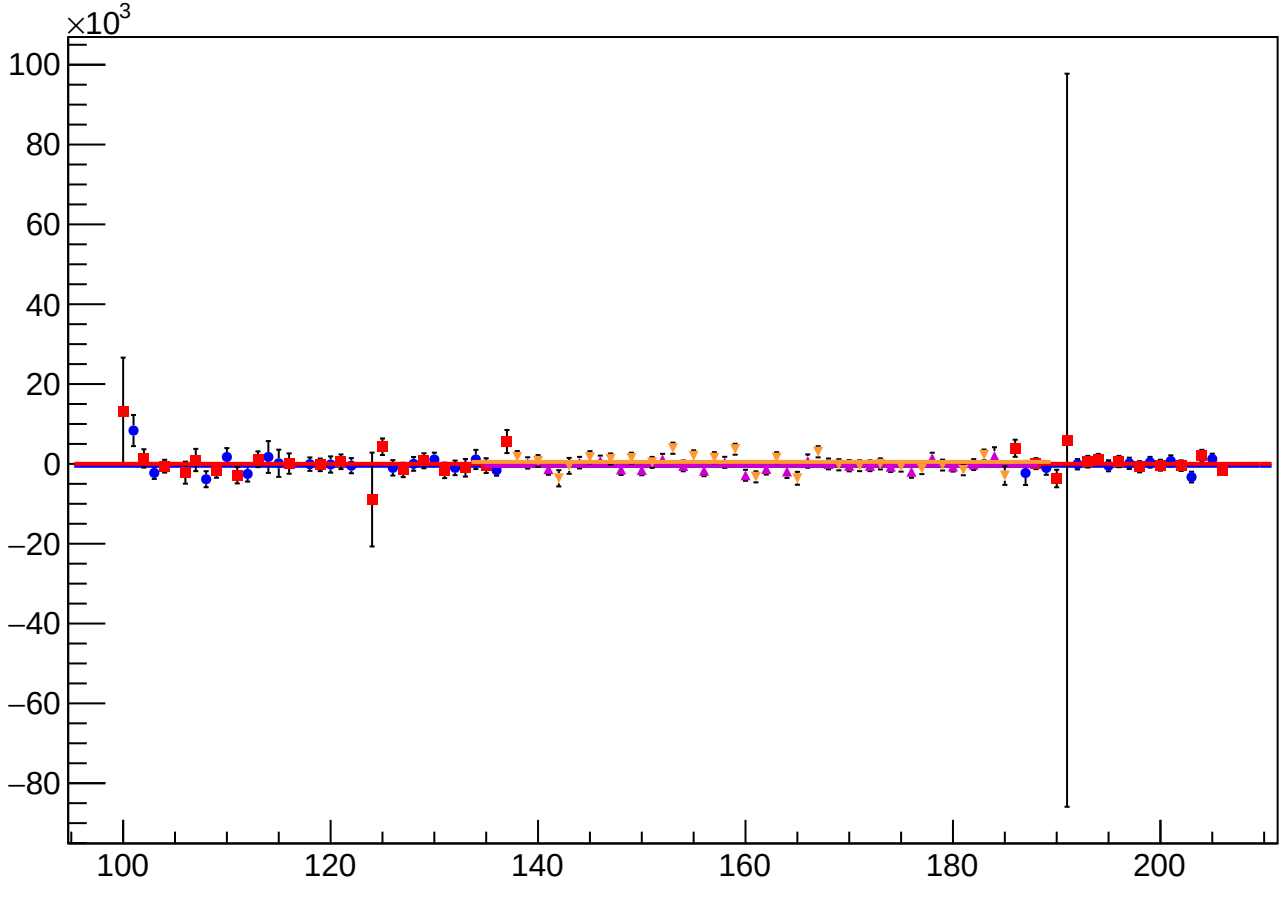
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16404461.3/55

In: 0.000+/-0.000 χ^2/NDF:14653952.8/47

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 34603213.1/103



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

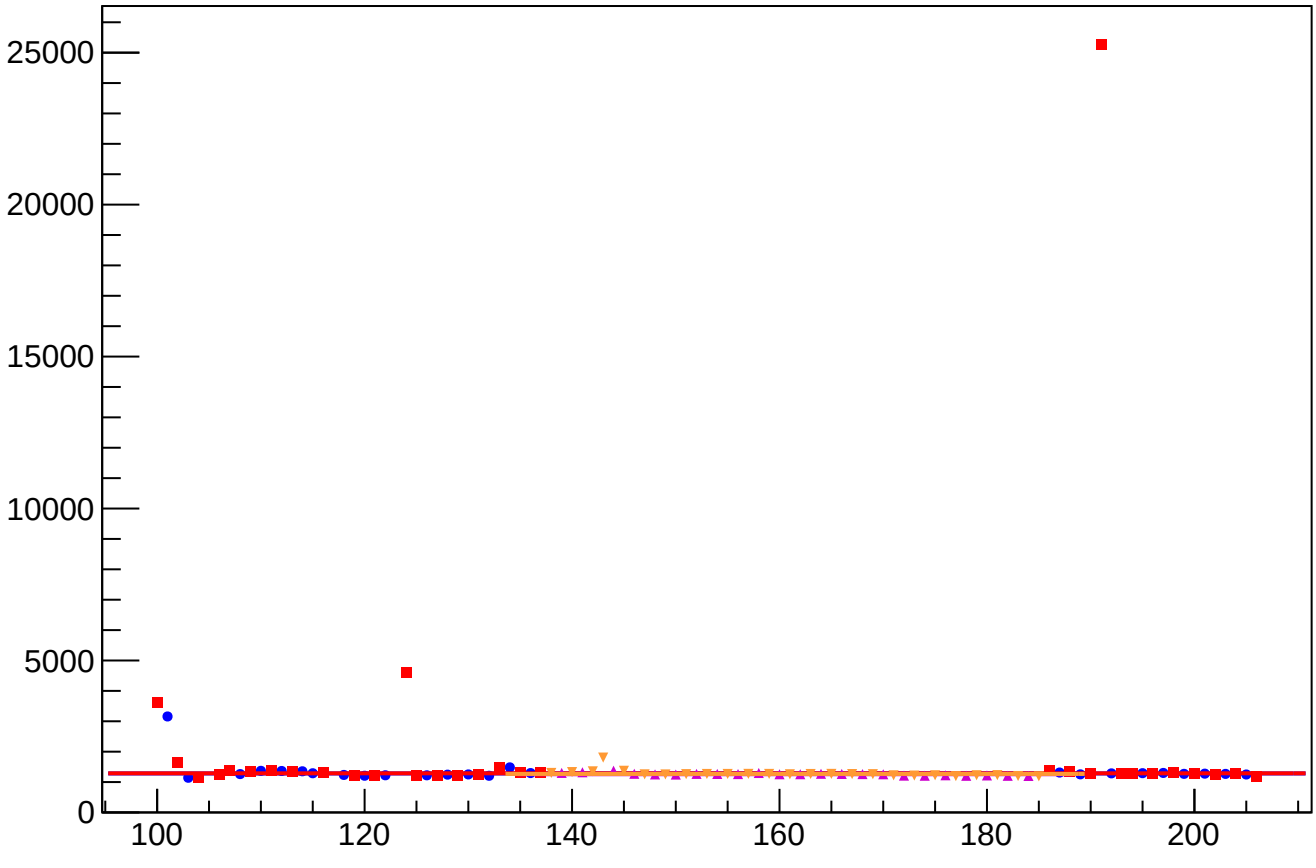
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -214.006+/-236.167 χ^2/NDF: 51.0/55

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -85.859+/-155.171 χ^2/NDF: 118.5/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

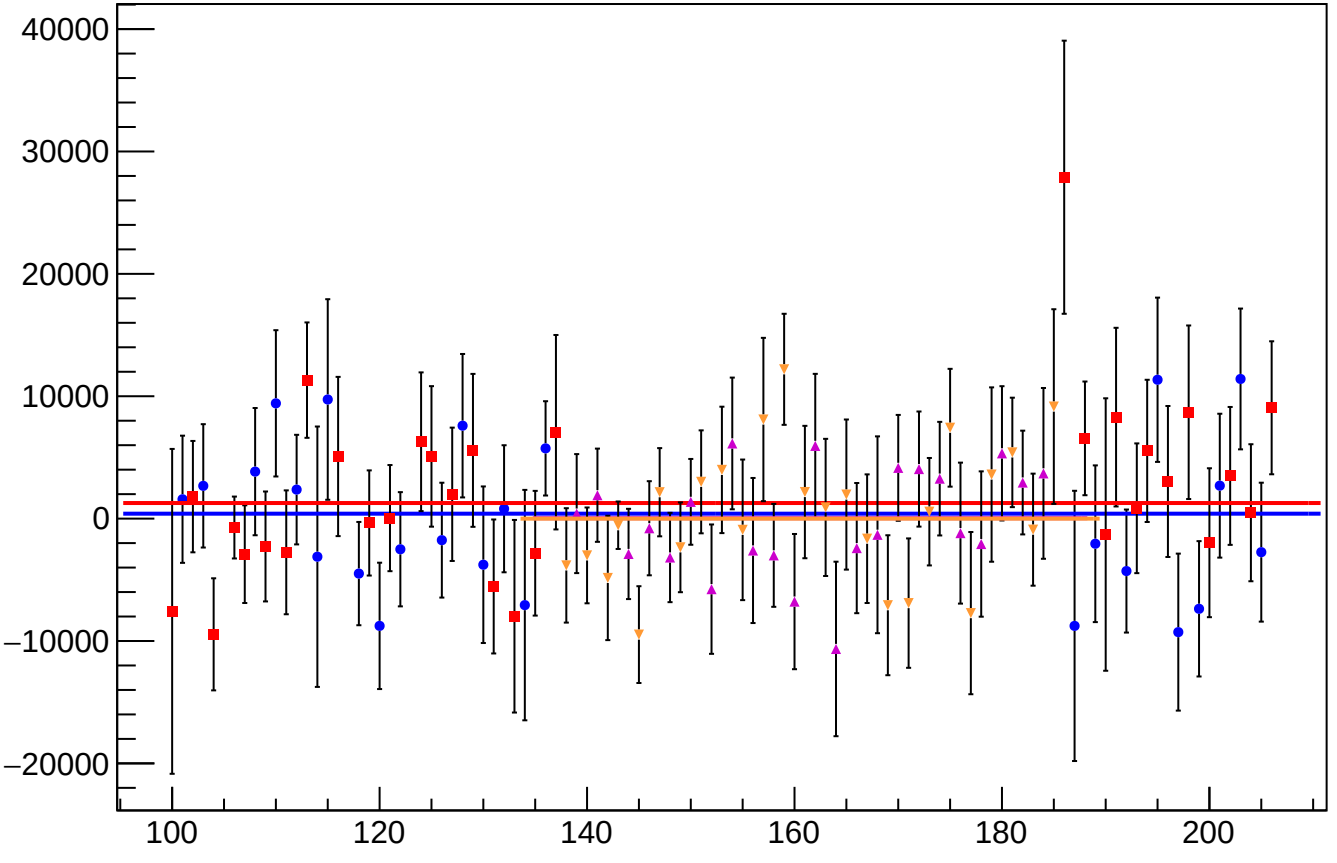
Right: 1285.504+/-0.167 χ^2/NDF: 1000347.3/55

In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

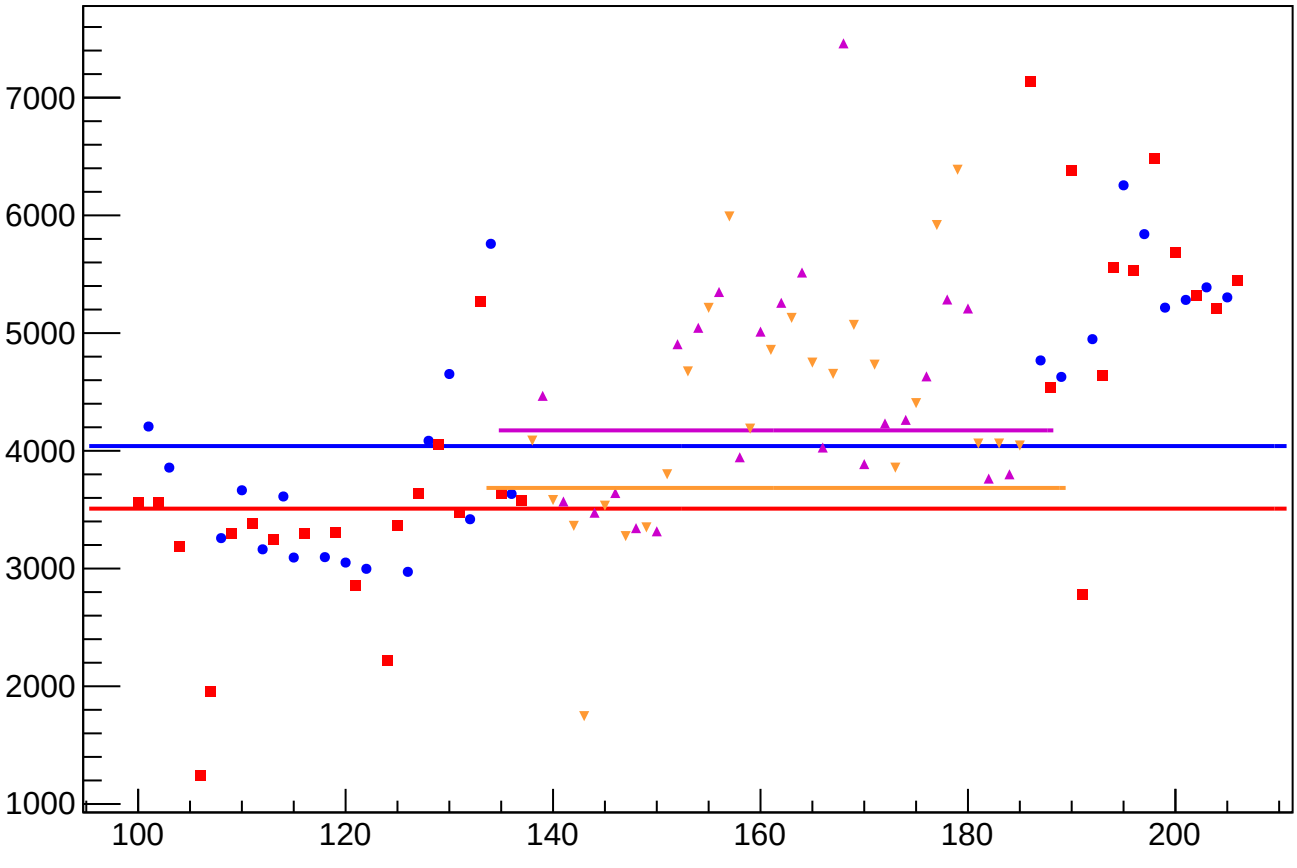
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 909.813+/-718.349 χ^2/NDF: 59.3/55

In: 197.234+/-741.186 χ^2/NDF:41.0/47

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 425.200+/-486.807 χ^2/NDF: 103.2/103



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

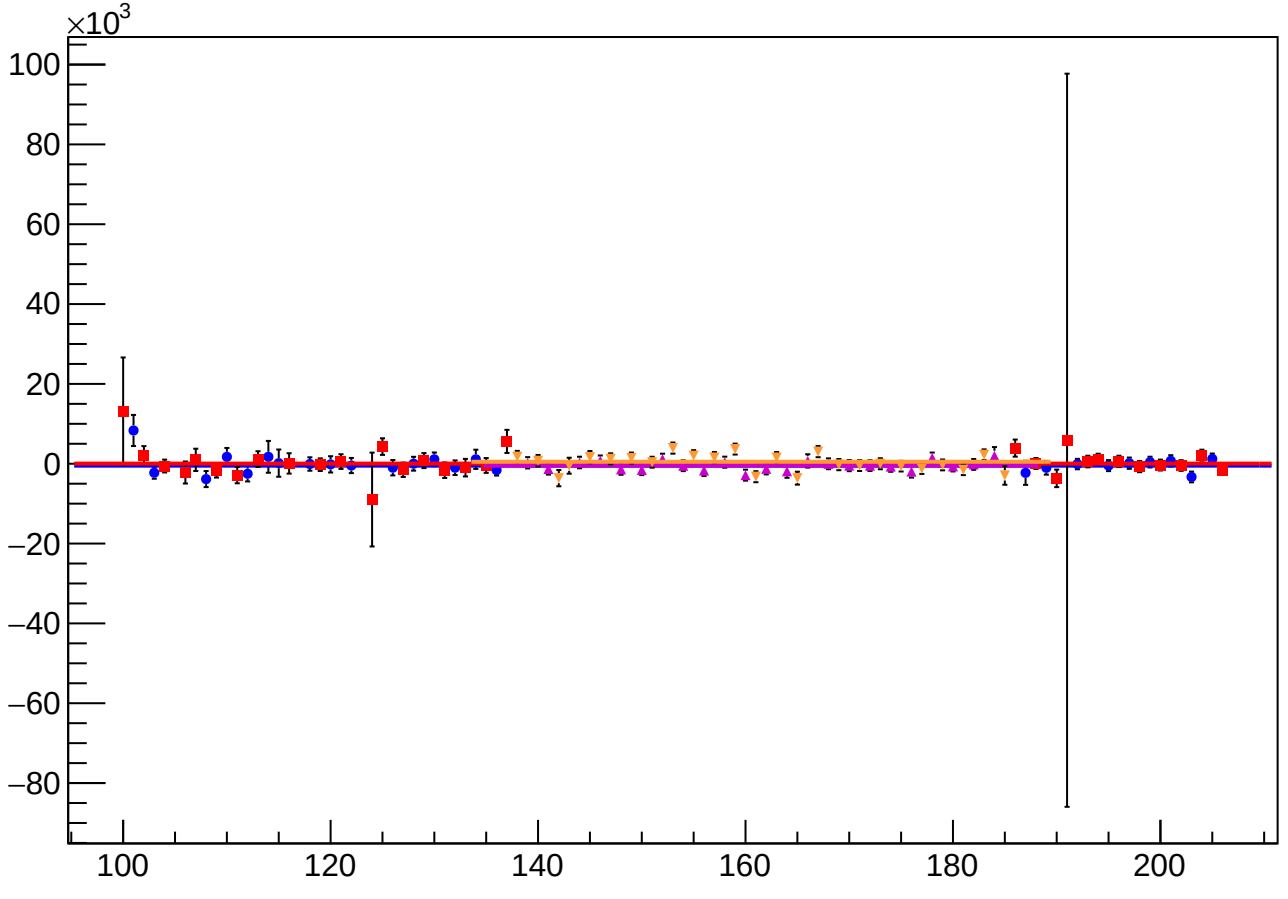
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3731.315+/-0.508 χ^2/NDF: 6277827.8/55

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

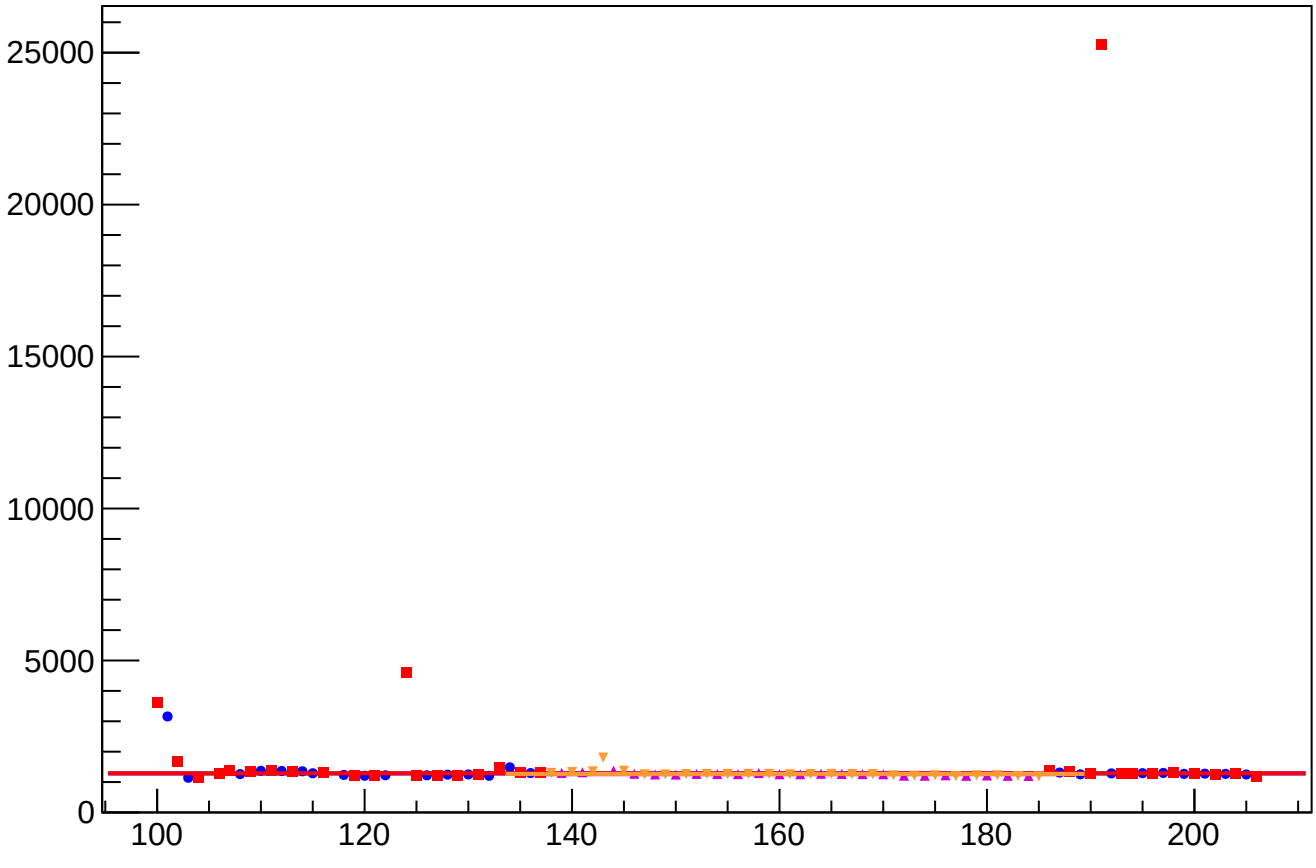
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

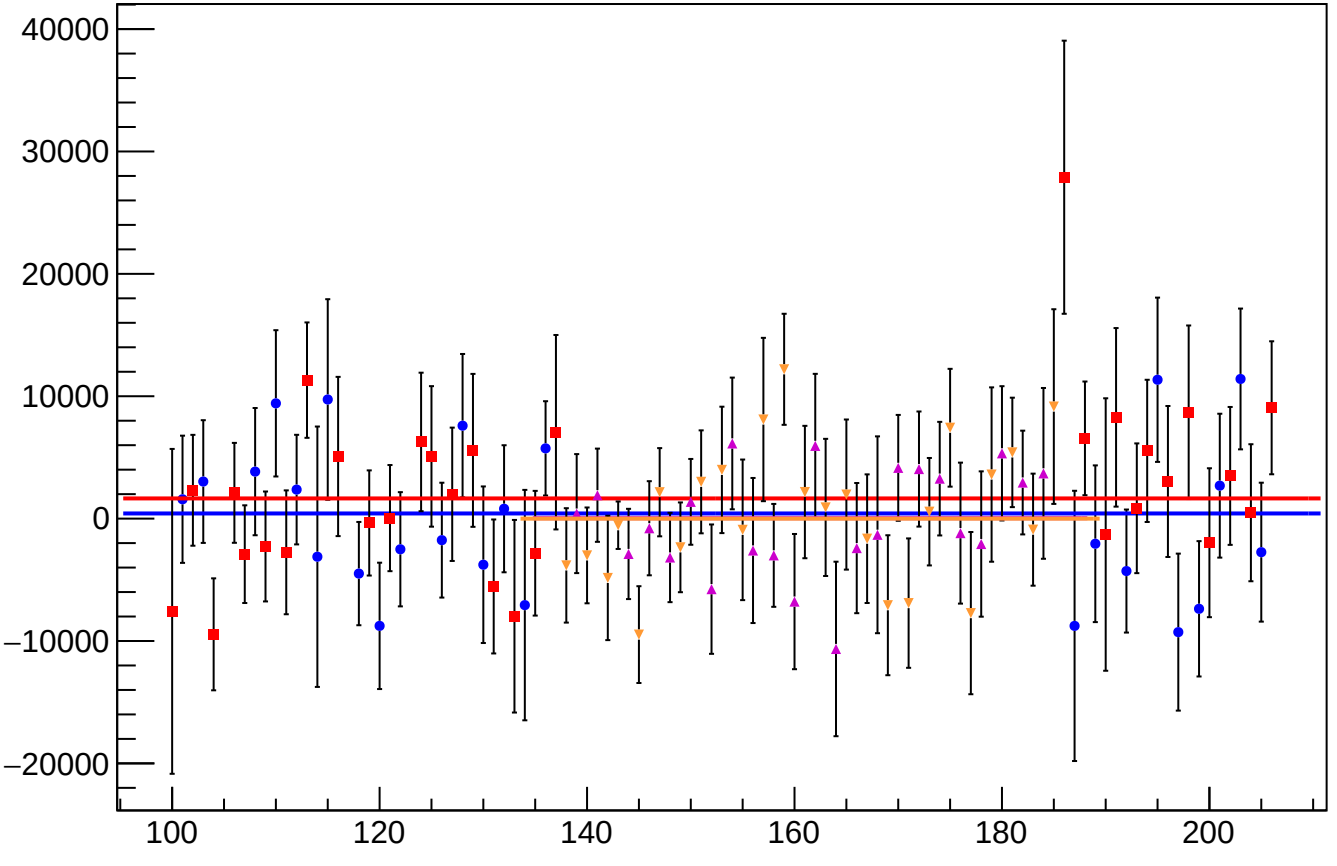
Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

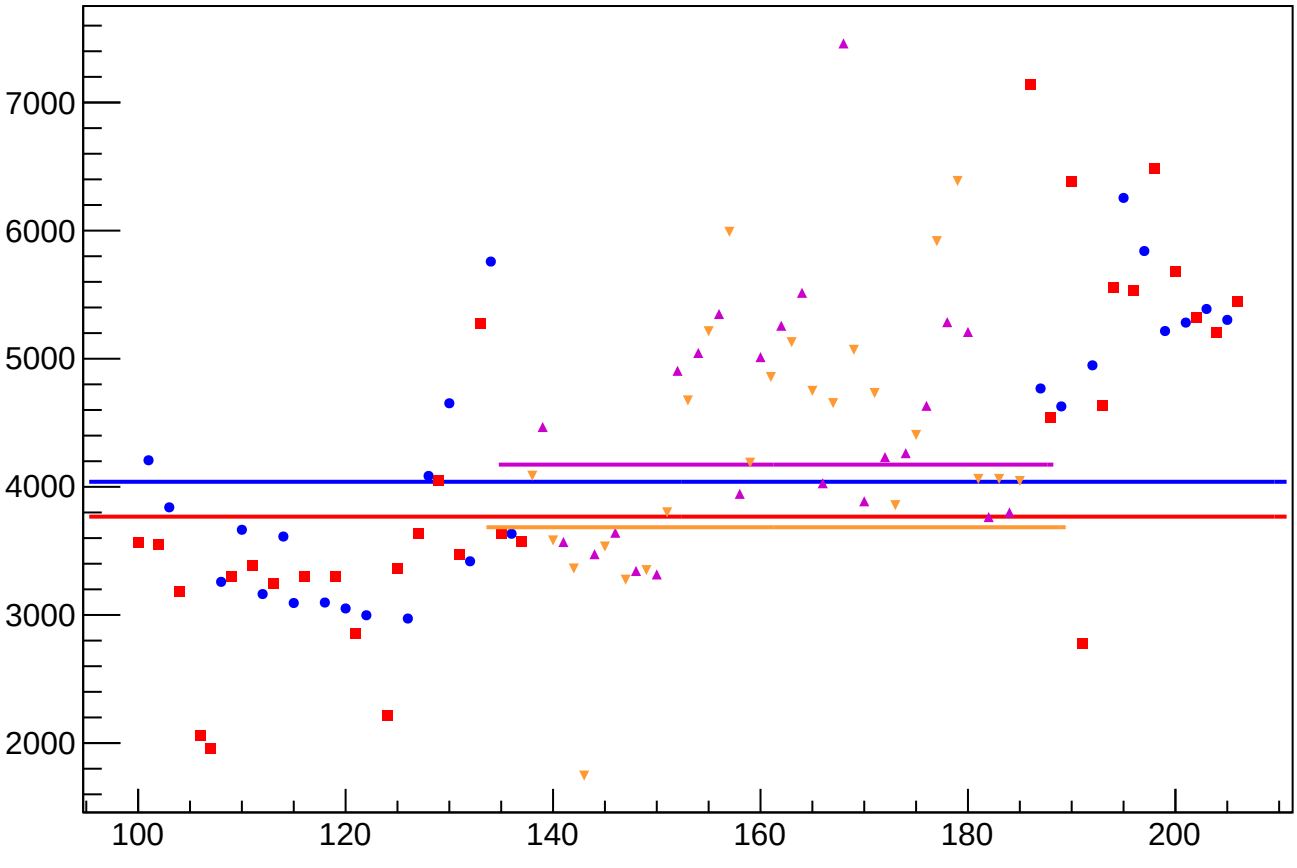
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

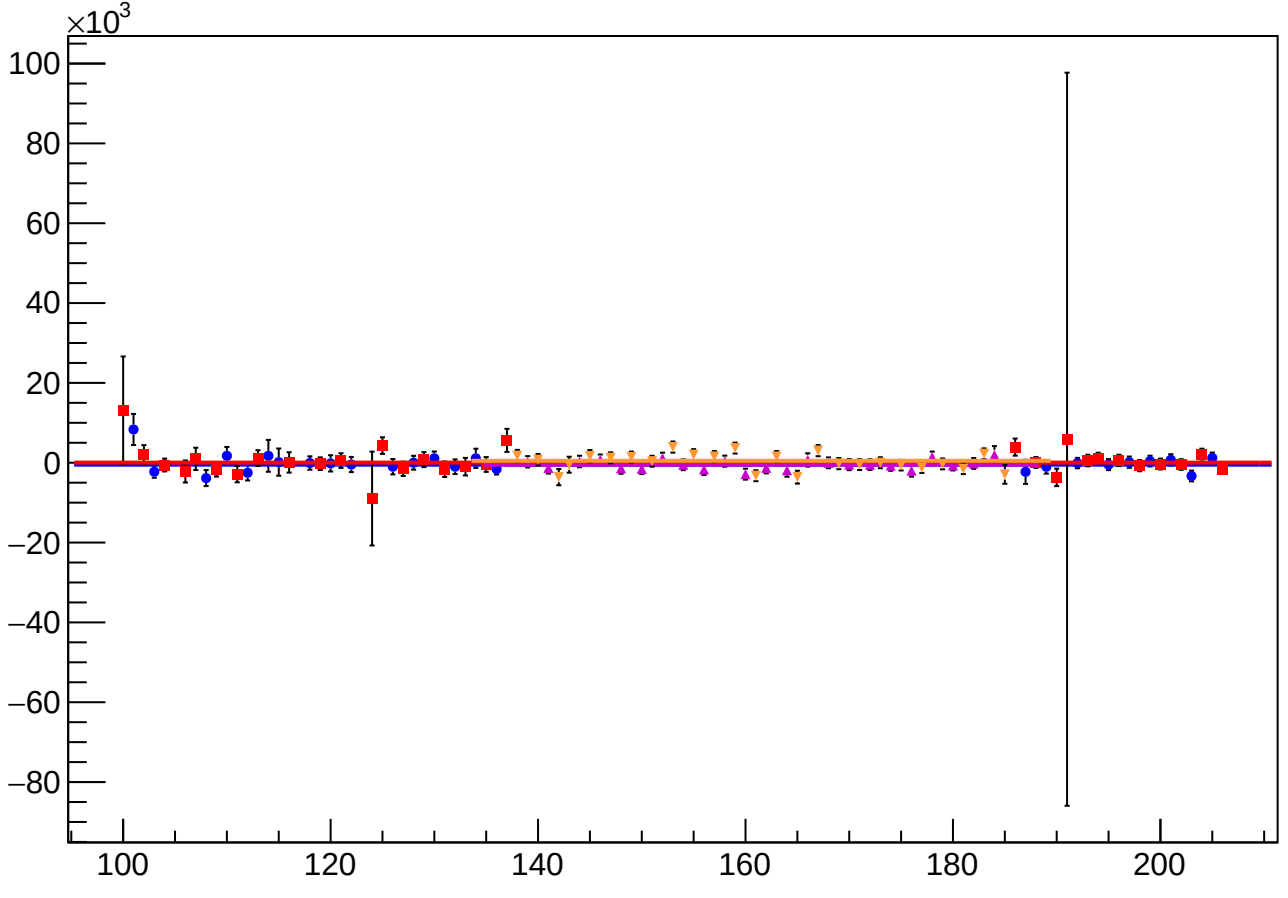
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

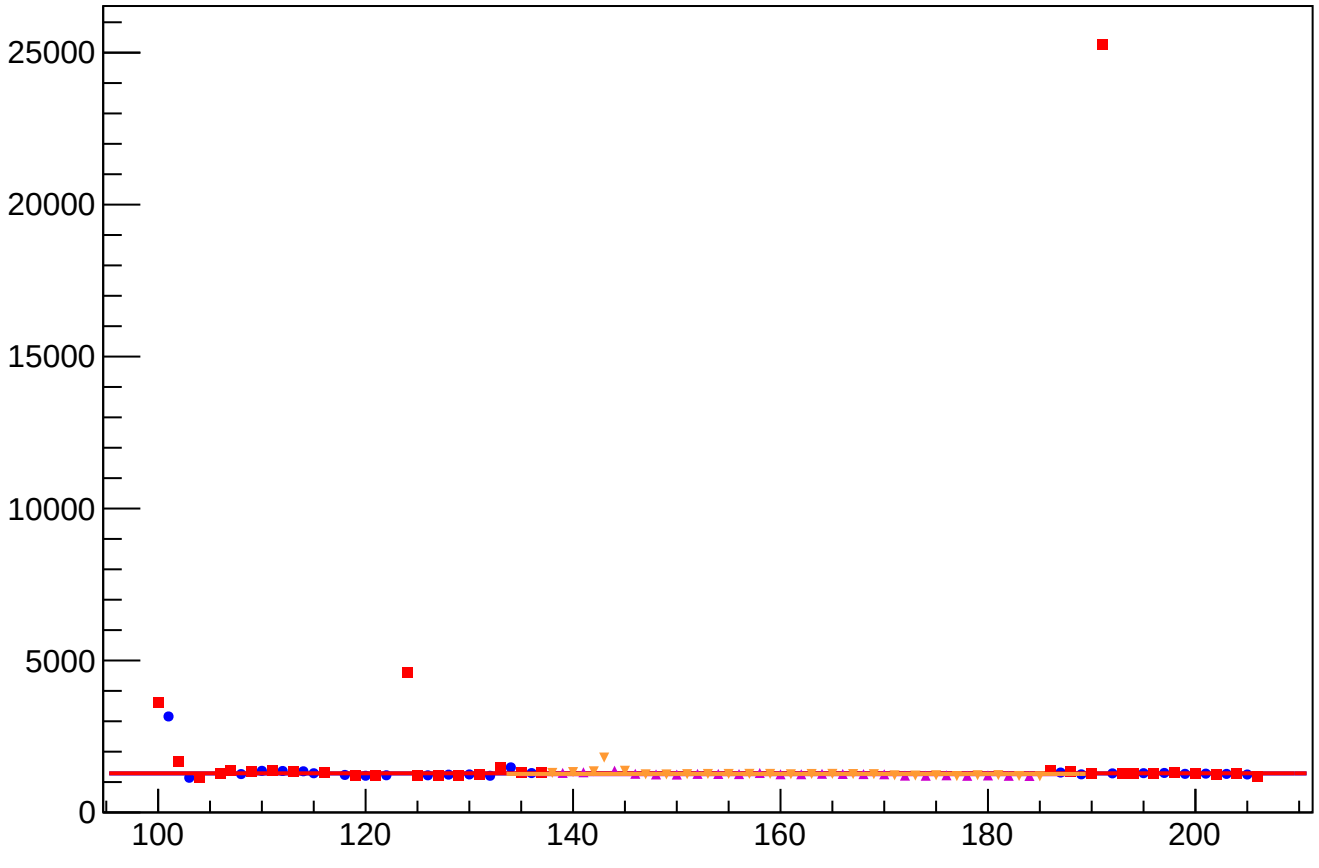
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

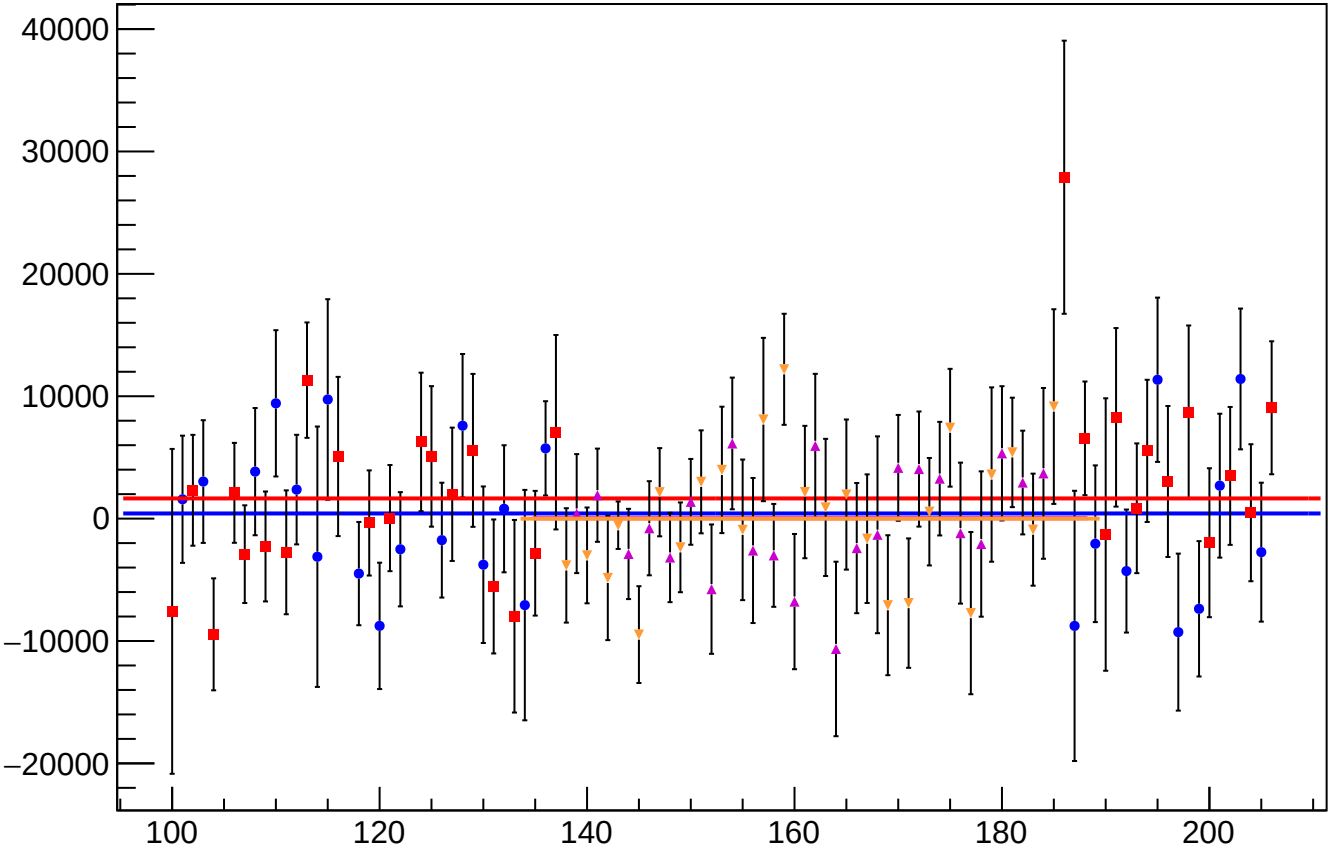
Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

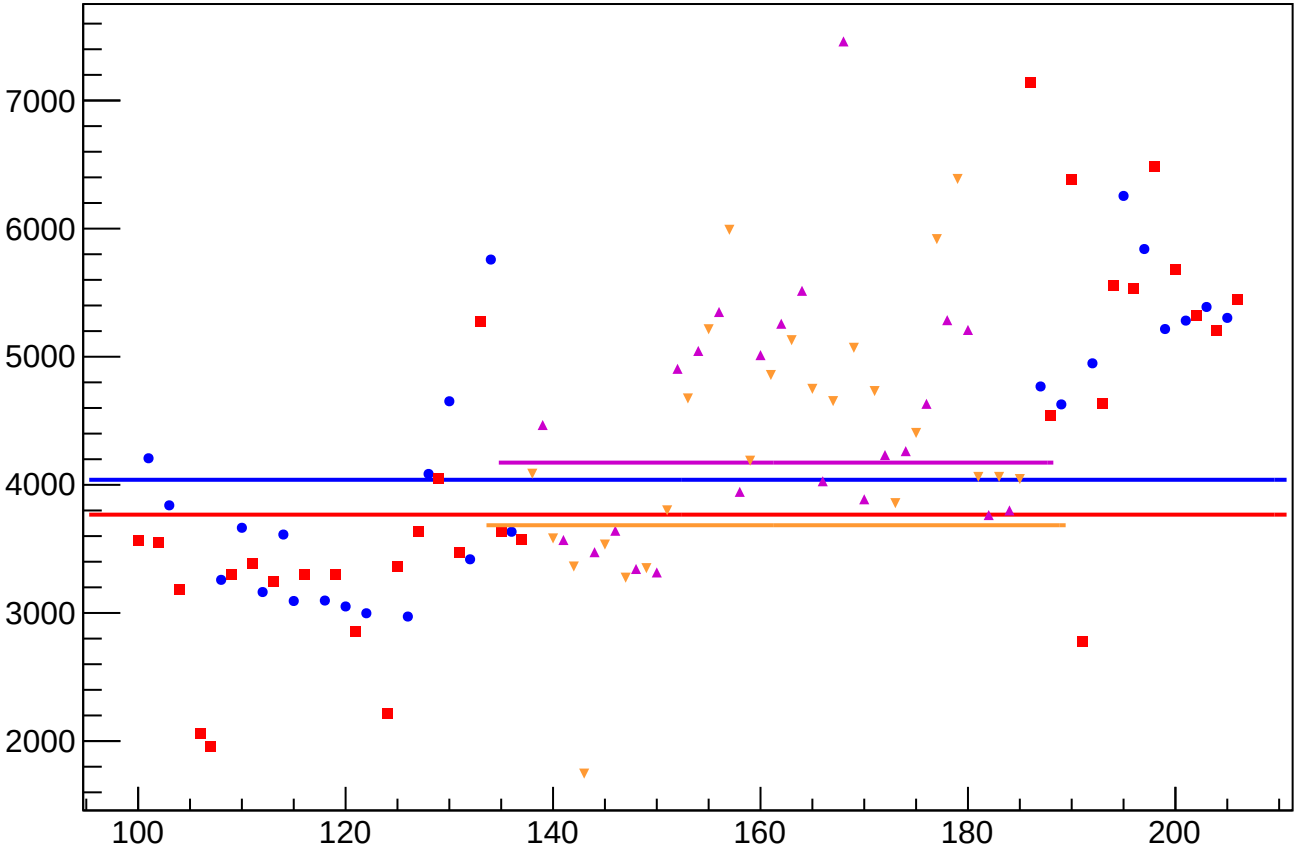
Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

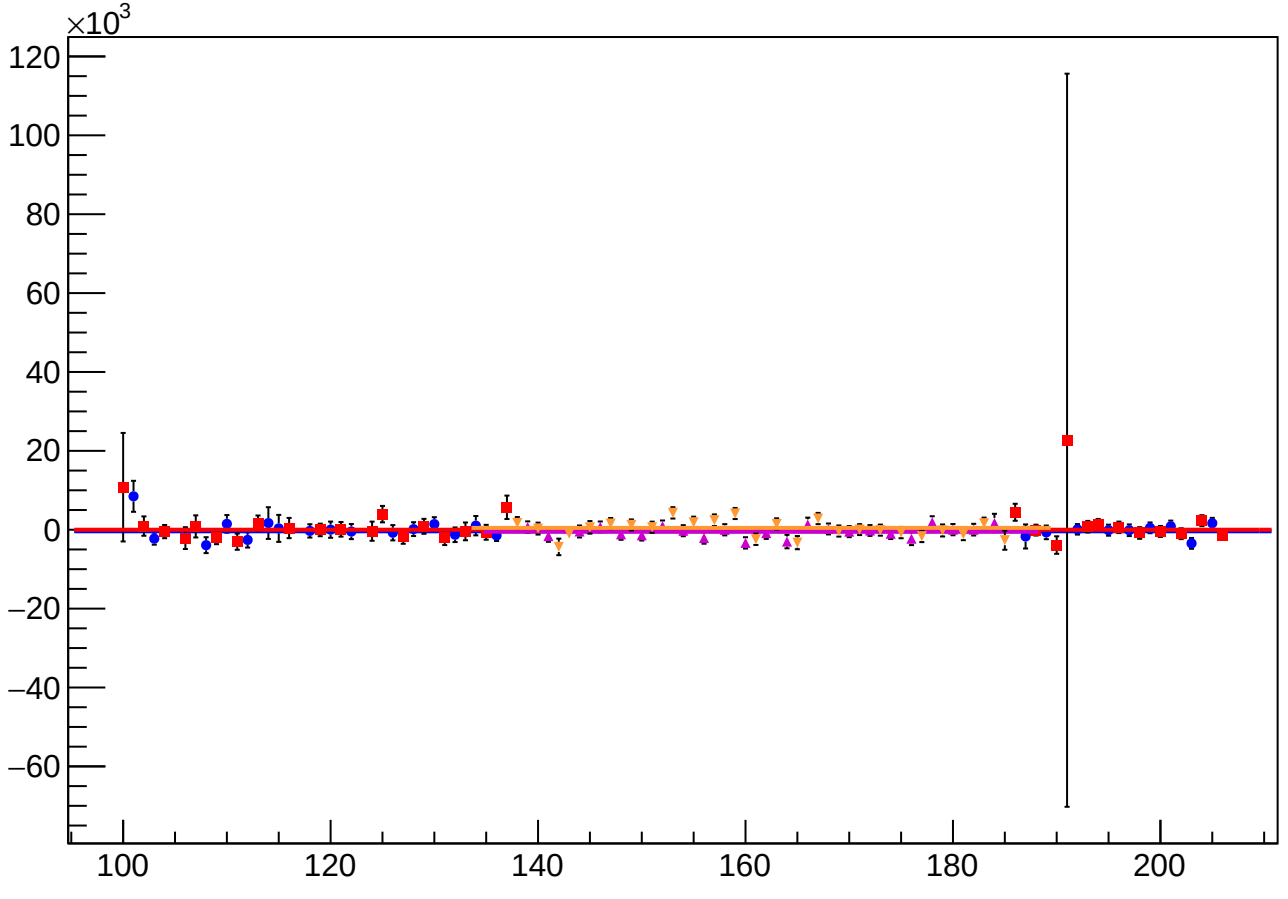
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

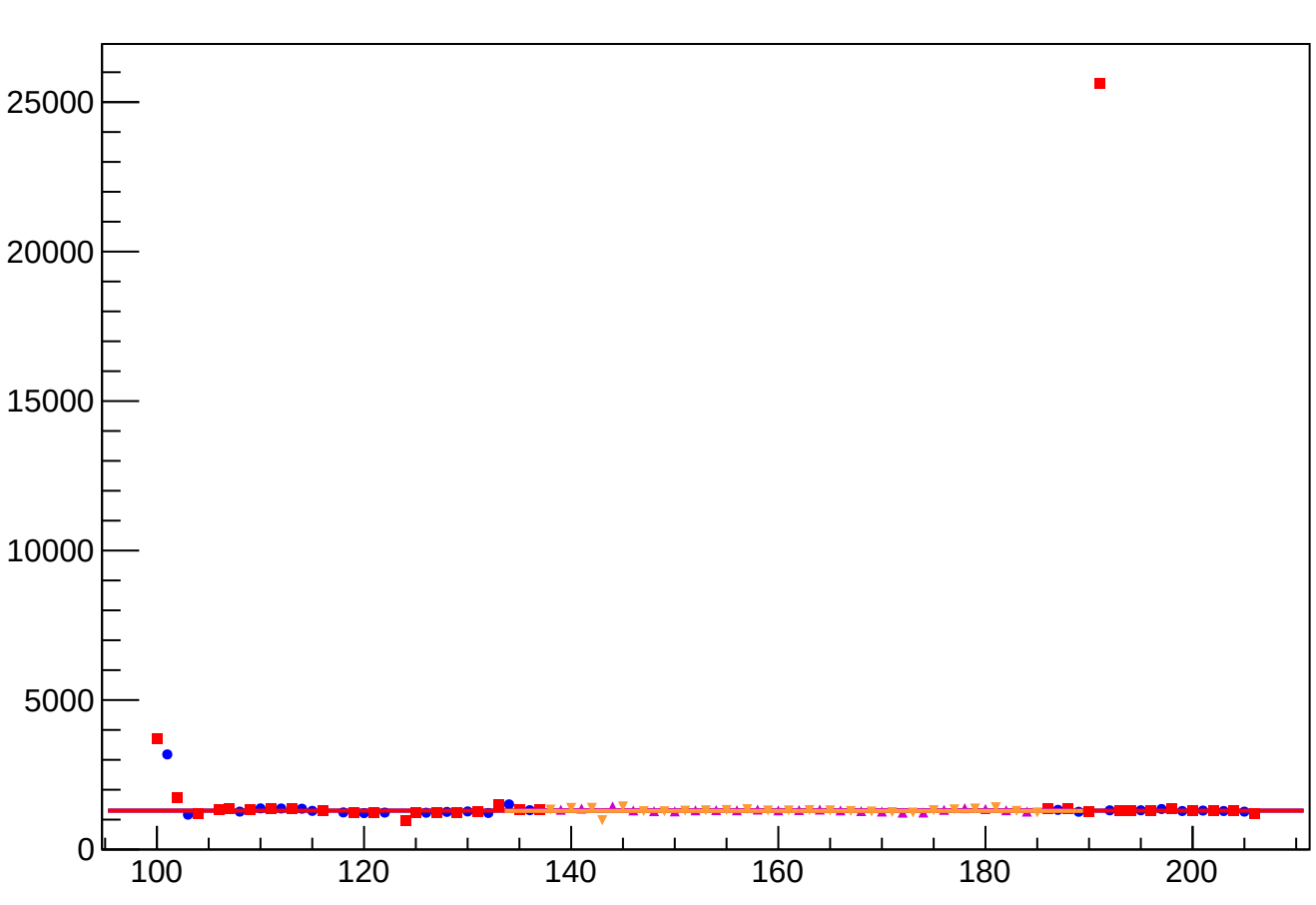
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -78.029+/-158.729 χ^2/NDF: 119.9/103



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

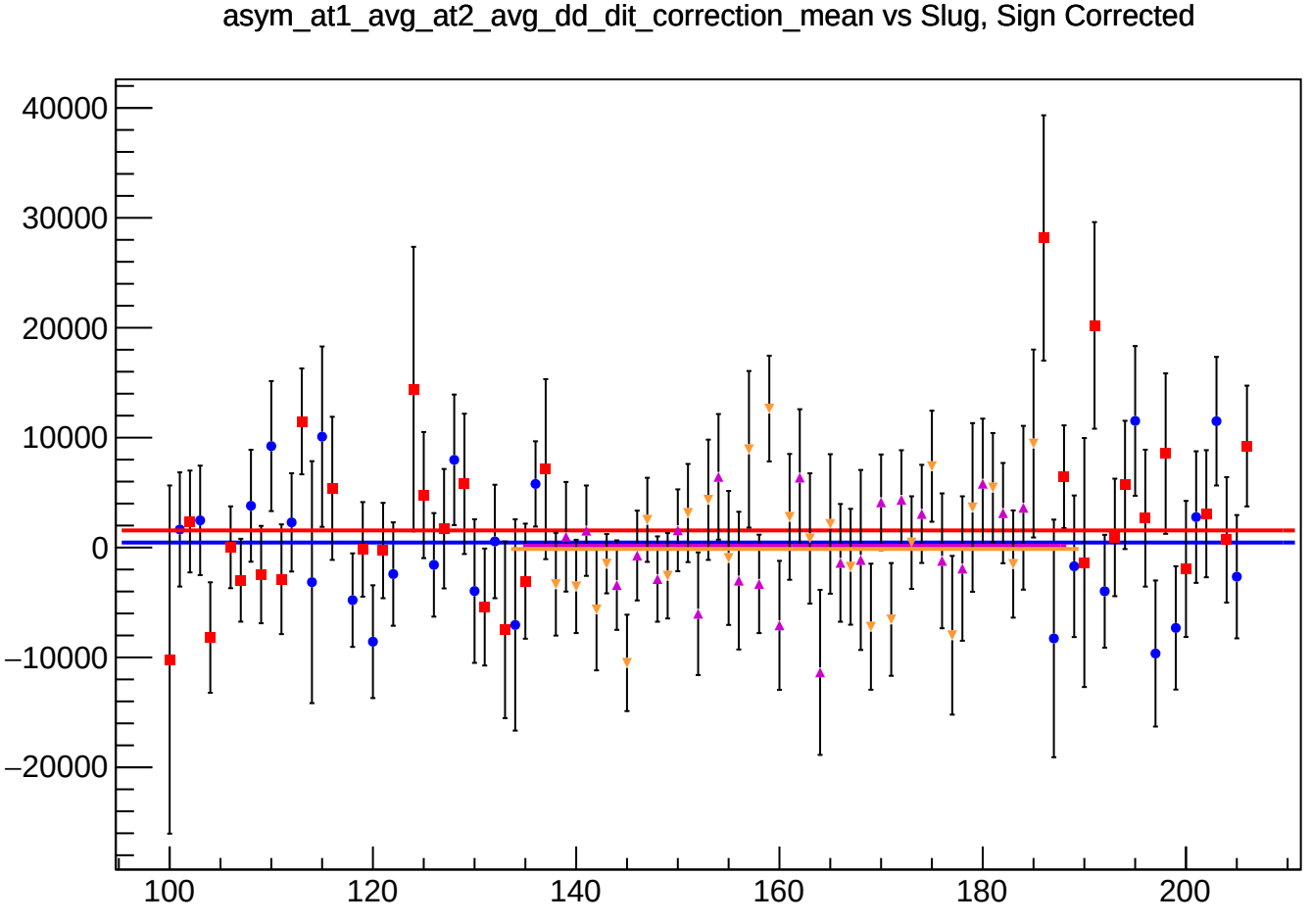
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1300.868+/-0.169 χ^2/NDF: 894313.7/55

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

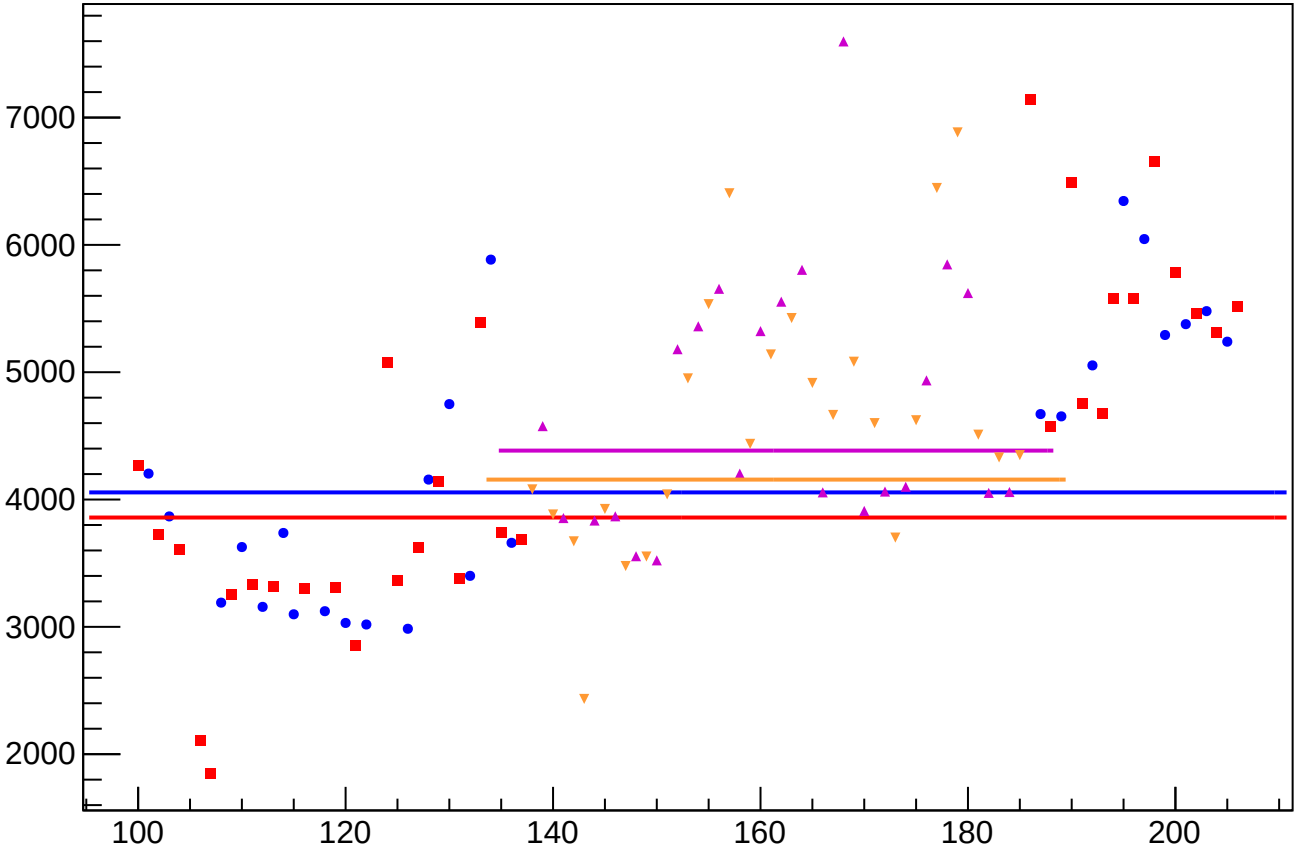
Right: 1065.185+/-745.575 χ^2/NDF: 60.2/55

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.854+/-515.647 χ^2/NDF: 103.7/103

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

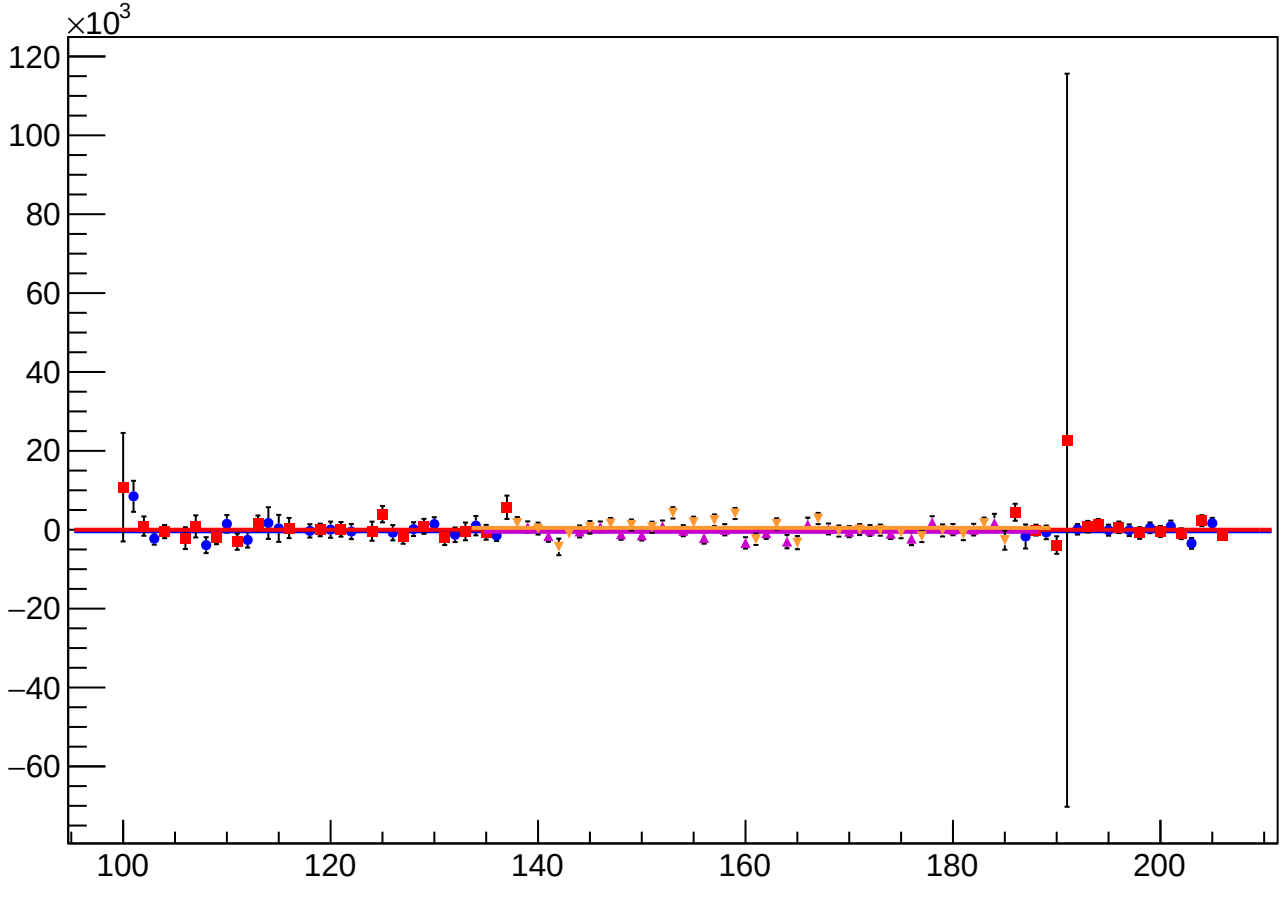
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3946.756+/-0.527 χ^2/NDF: 4706225.9/55

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

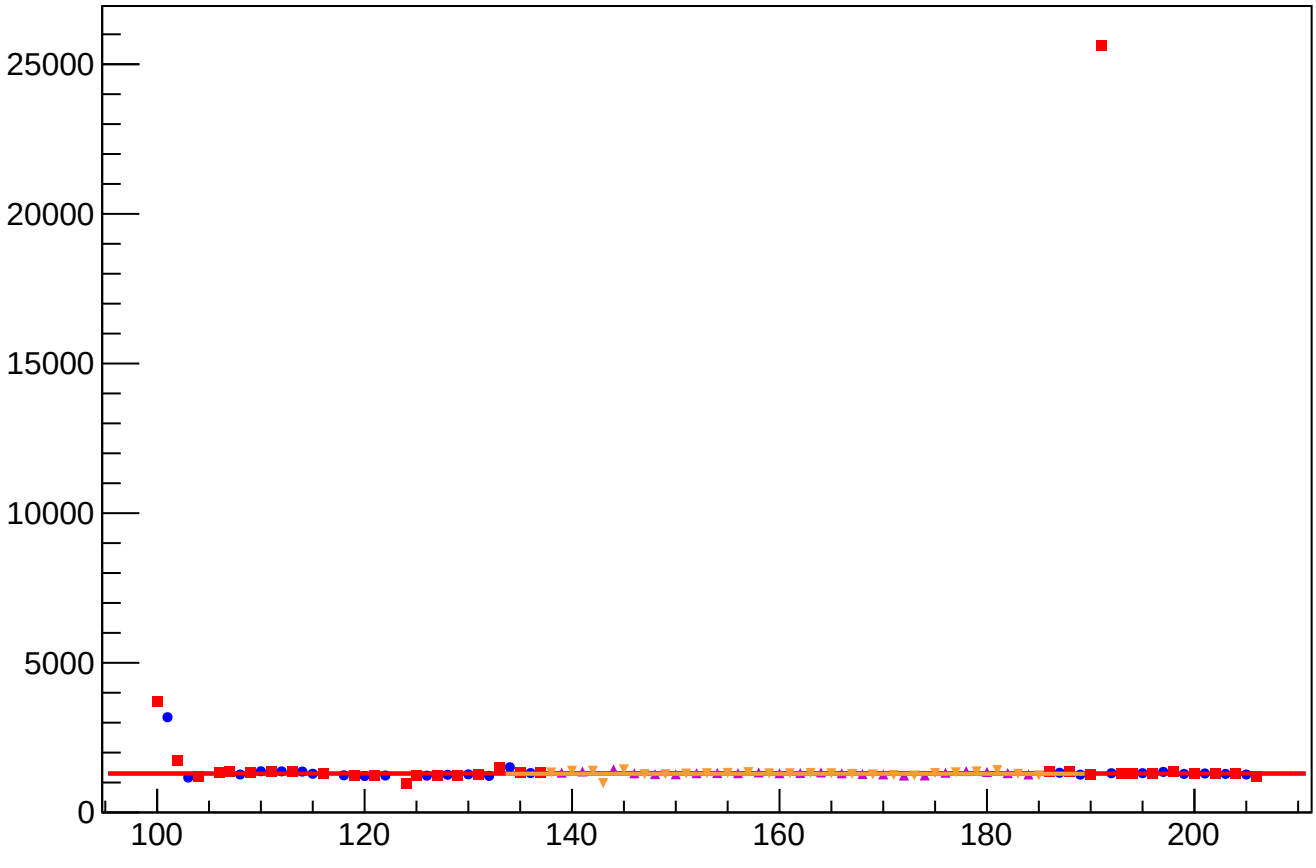
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -78.028+/-158.730 χ^2/NDF: 119.9/103



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

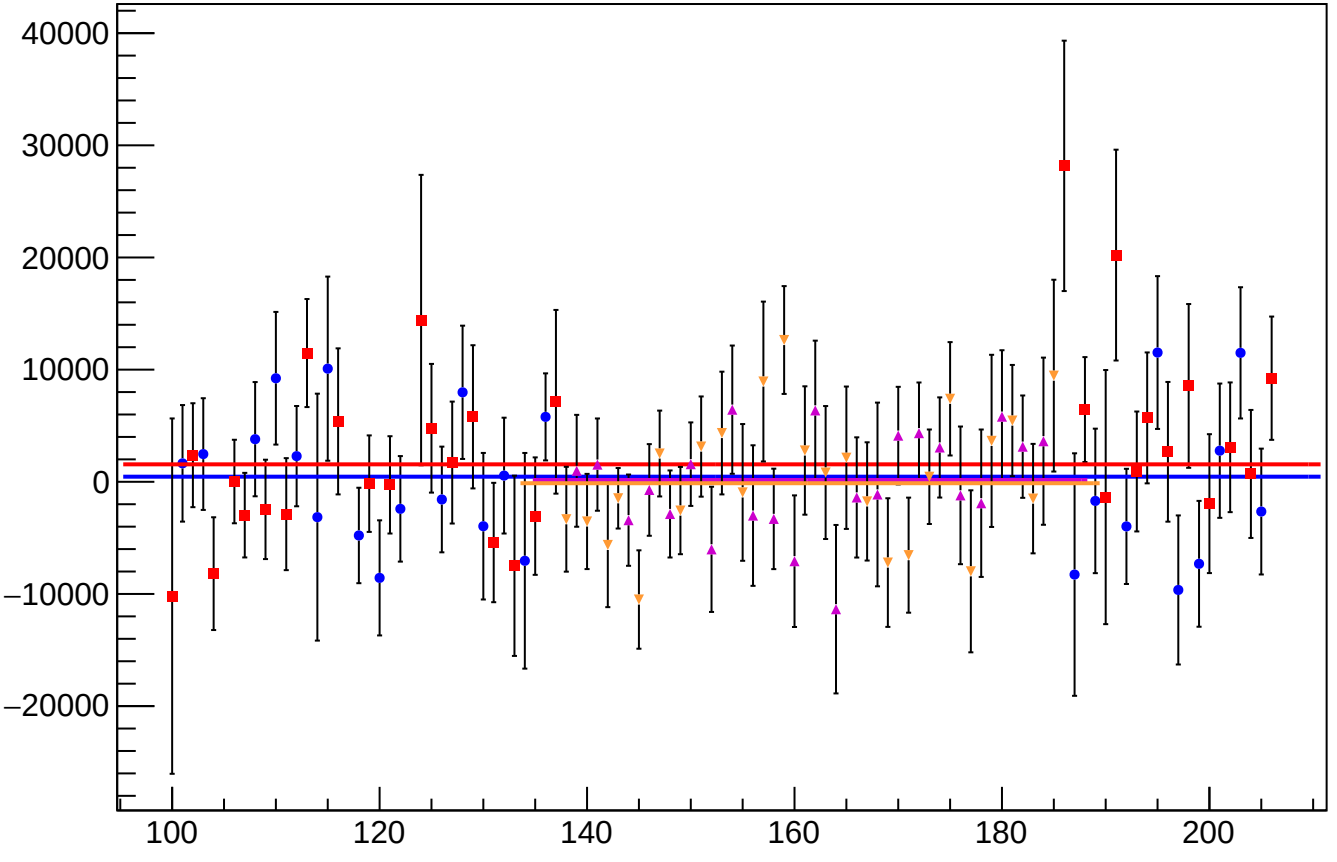
Right: 1300.868+/-0.169 χ^2/NDF: 894314.0/55

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

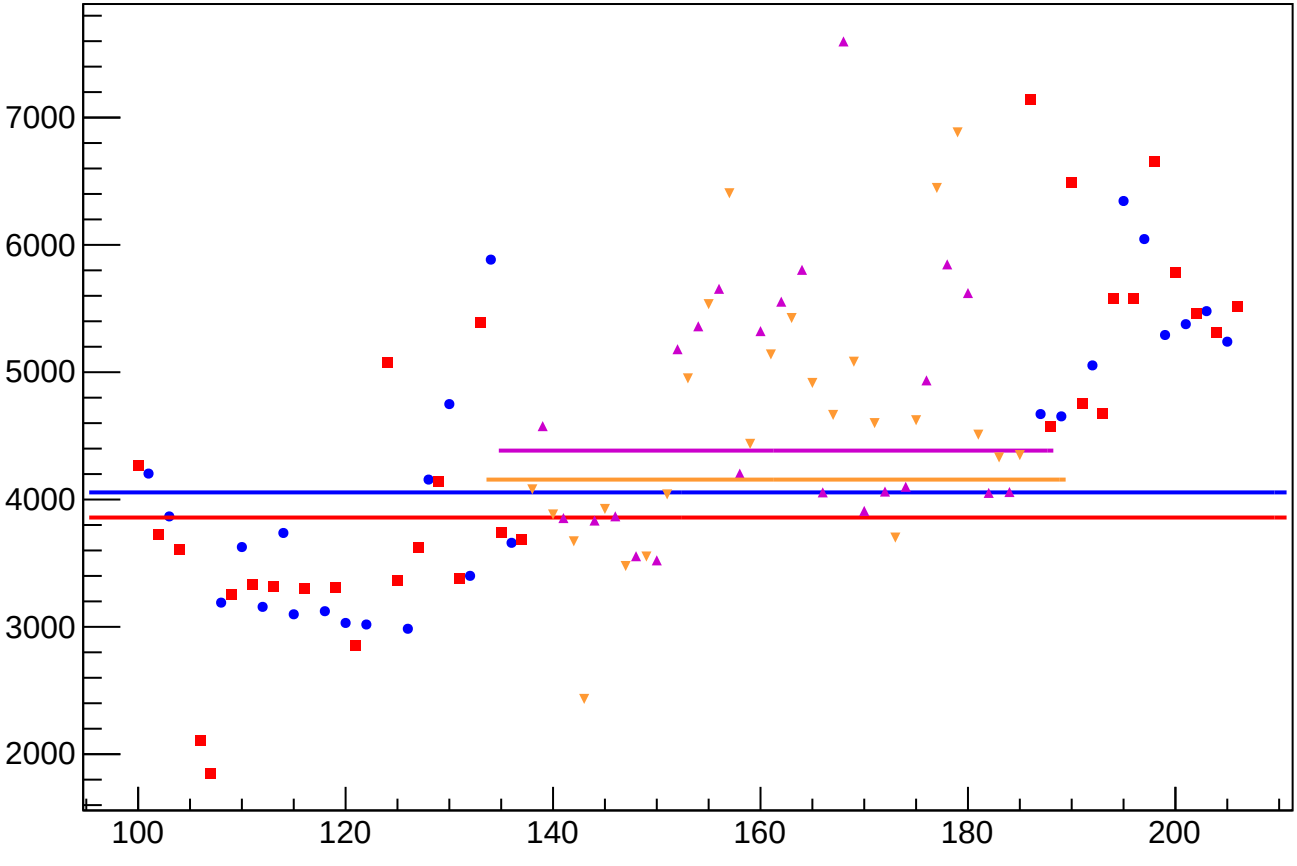
Right: 1065.177+/-745.574 χ^2/NDF: 60.2/55

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.853+/-515.647 χ^2/NDF: 103.7/103

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

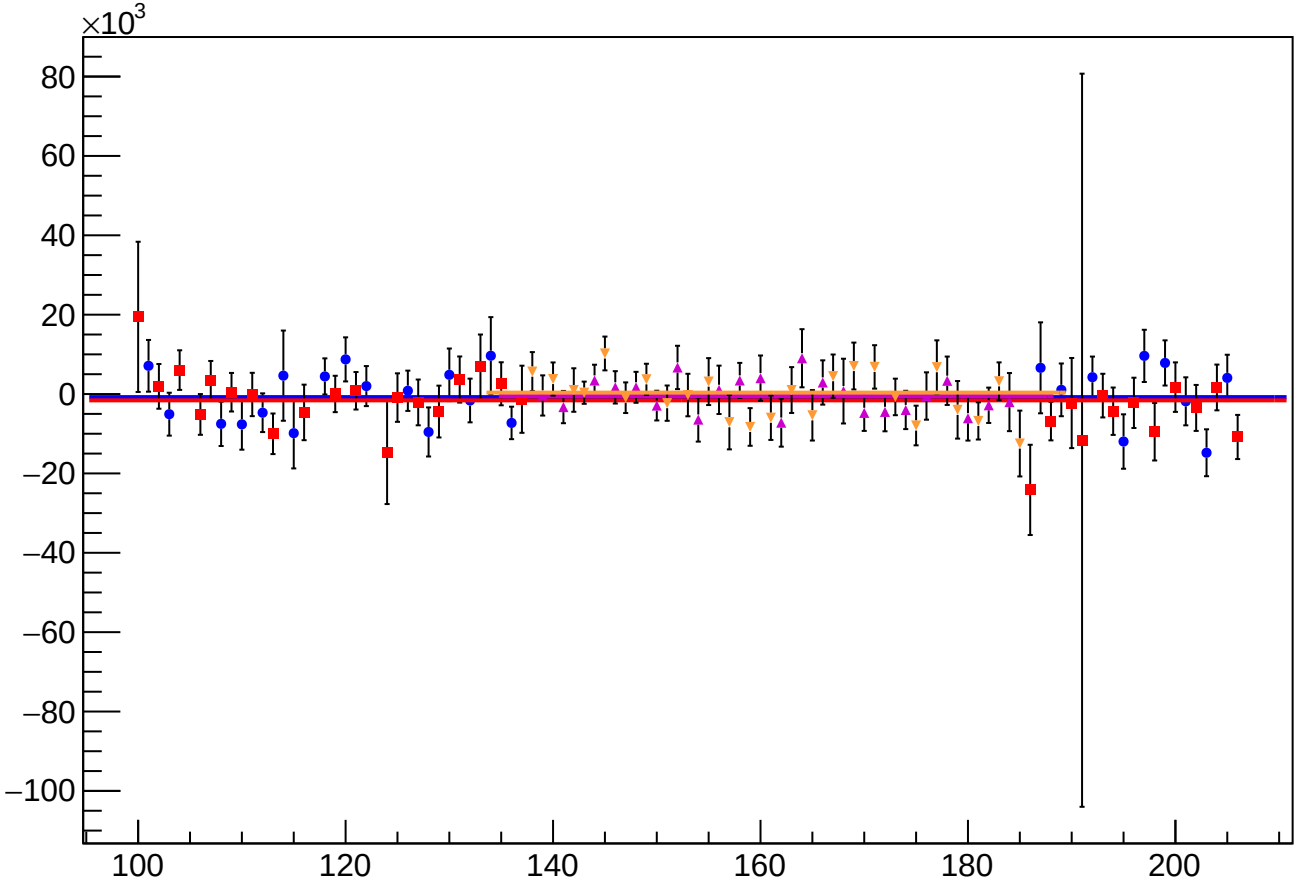
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3946.750+/-0.527 χ^2/NDF: 4706280.5/55

In: 4230.860+/-0.540 χ^2/NDF:2961475.1/47

Out: 4011.357+/-0.495 χ^2/NDF:5229230.8/55

All: 4111.614+/-0.365 χ^2/NDF: 8280631.4/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

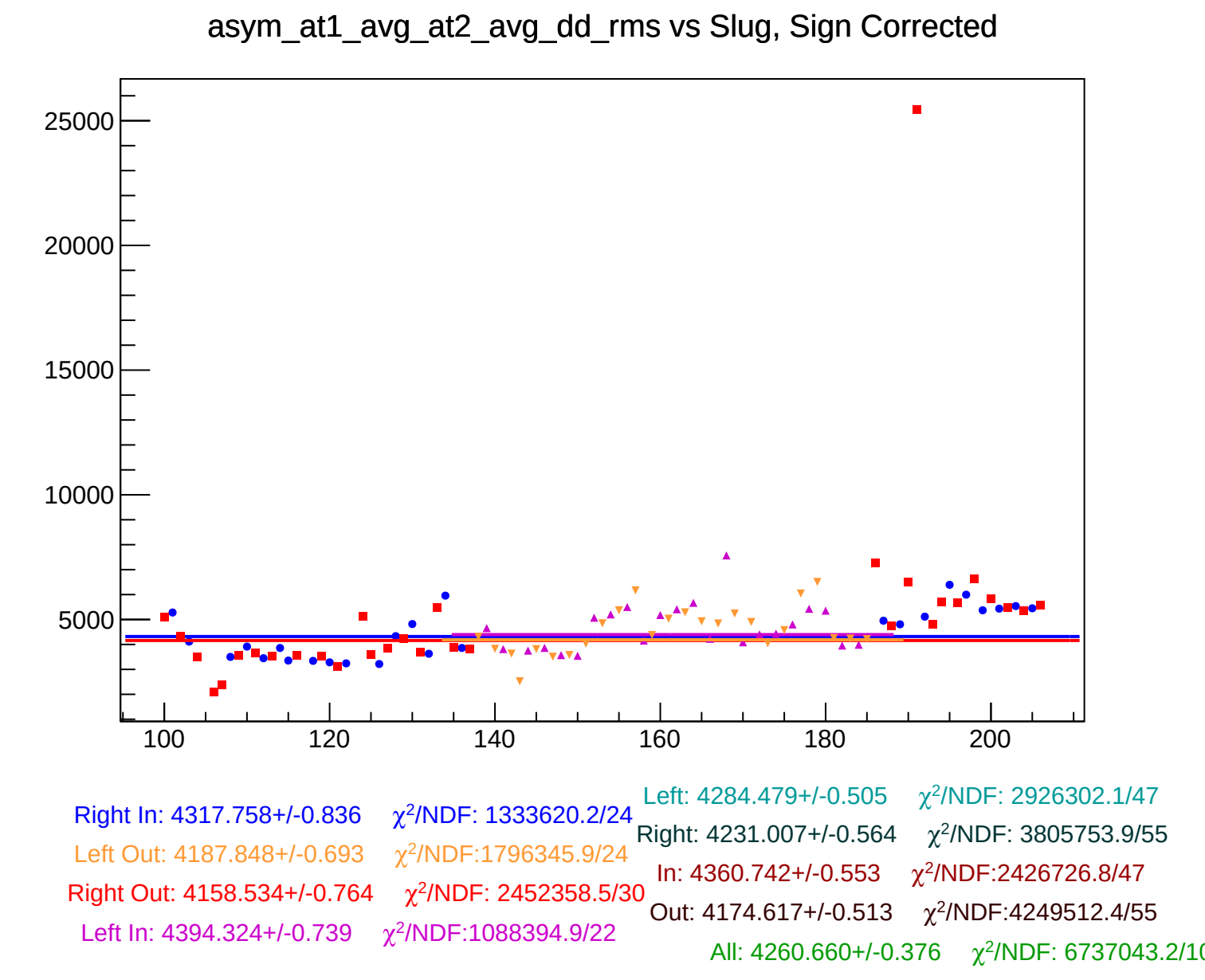
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

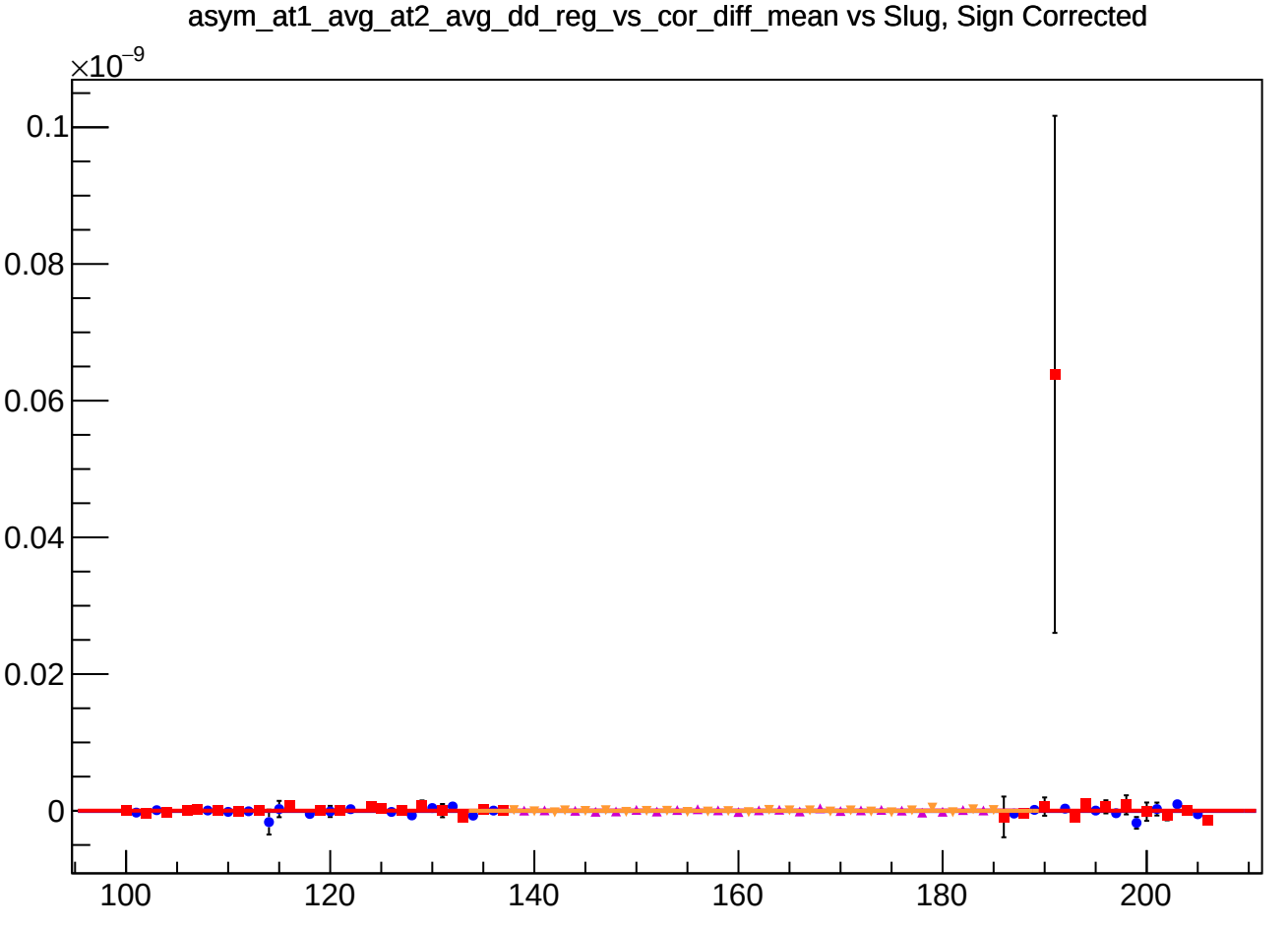
Right: -1213.190+/-801.395 χ^2/NDF: 56.0/55

In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -559.708+/-533.393 χ^2/NDF: 99.0/103


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4317.758+/-0.836 χ²/NDF: 1333620.2/24
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4158.534+/-0.764 χ²/NDF: 2452358.5/30
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4231.007+/-0.564 χ²/NDF: 3805753.9/55
In: 4360.742+/-0.553 χ²/NDF:2426726.8/47
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4260.660+/-0.376 χ²/NDF: 6737043.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

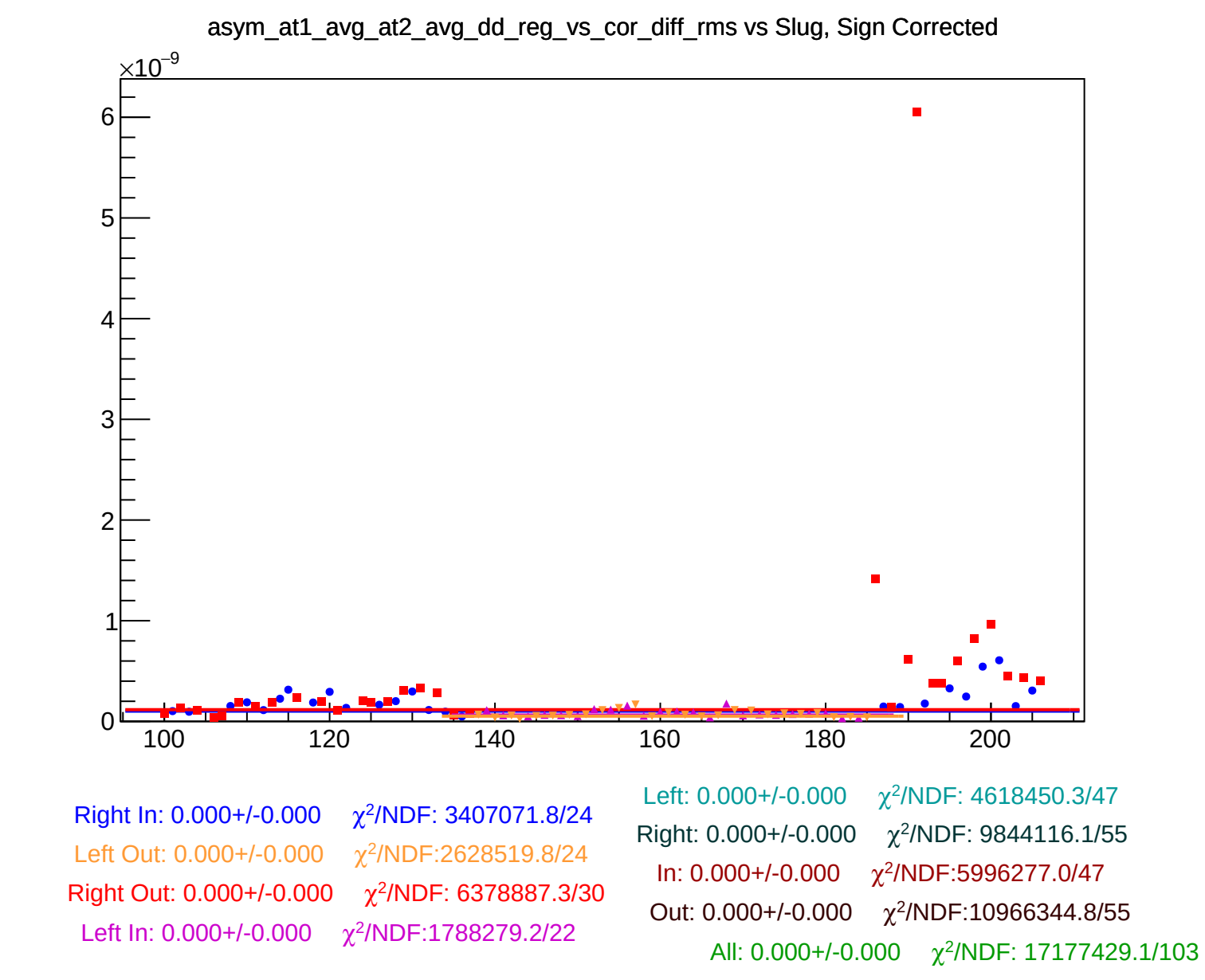
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 61.9/55

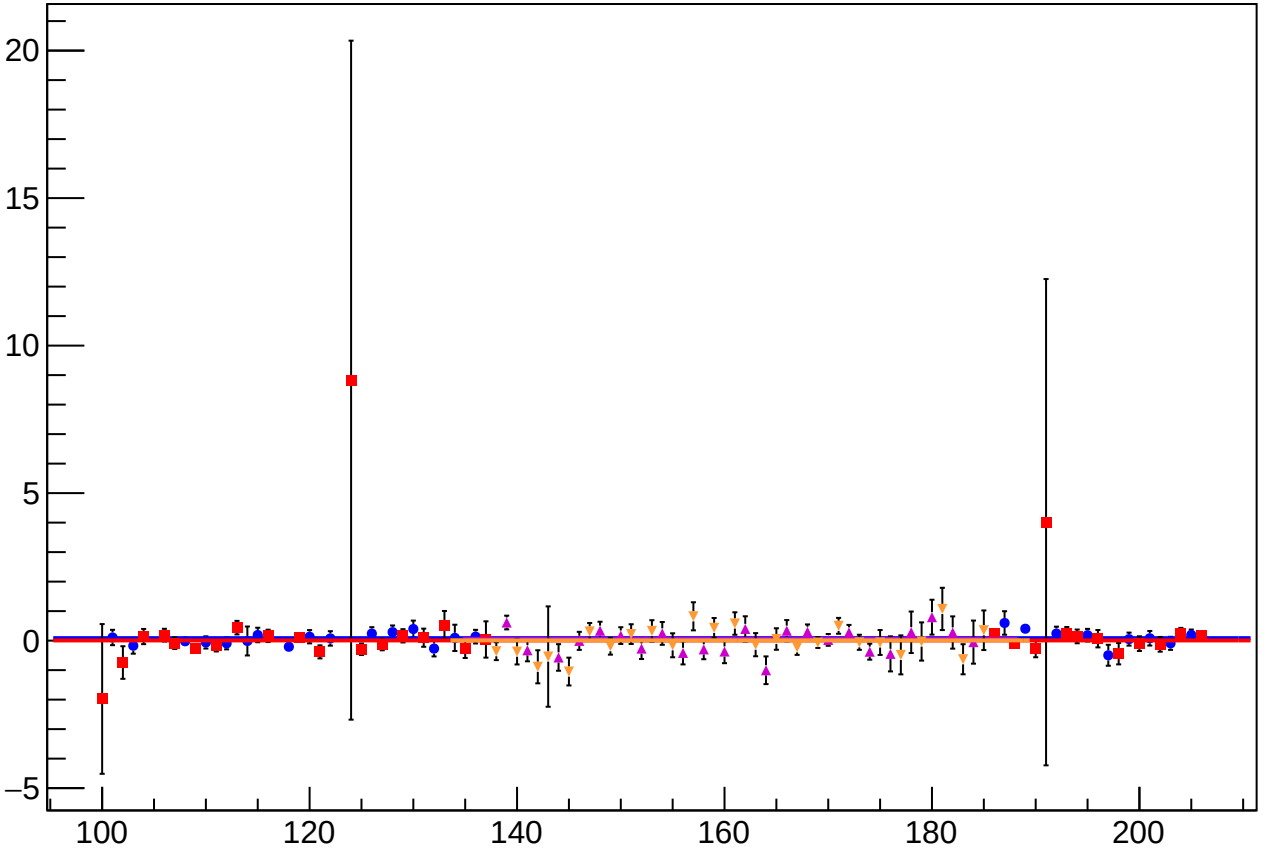
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 110.1/103


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 9844116.1/55
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17177429.1/103

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

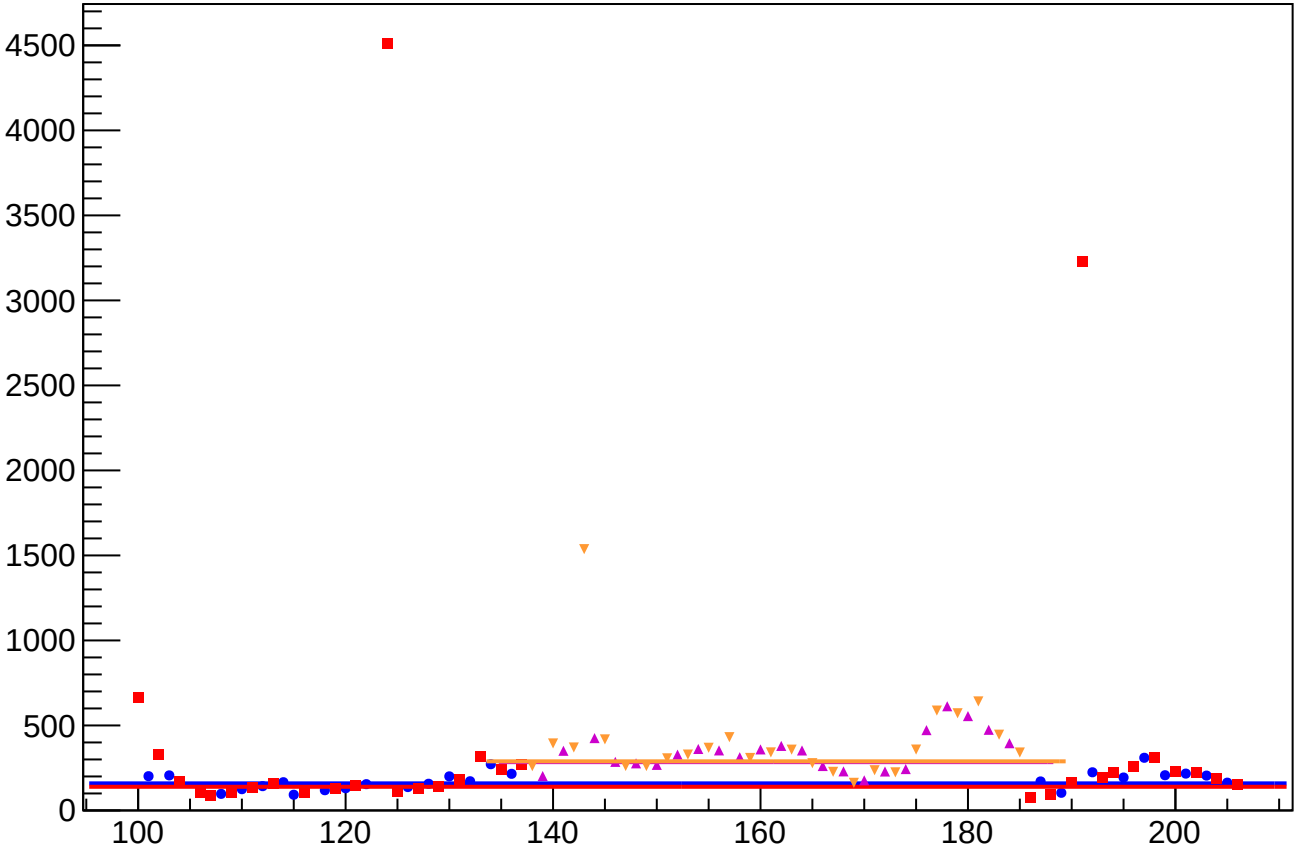
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

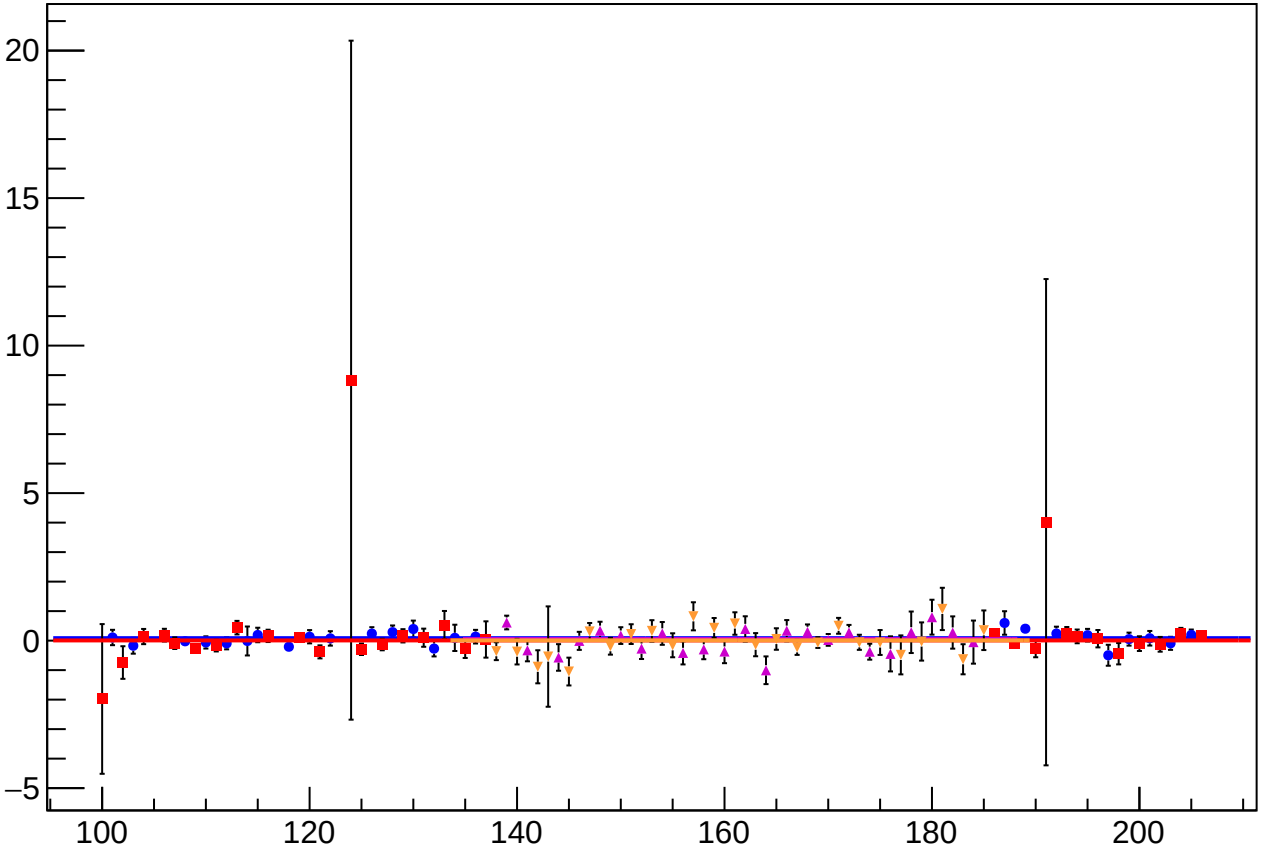
Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

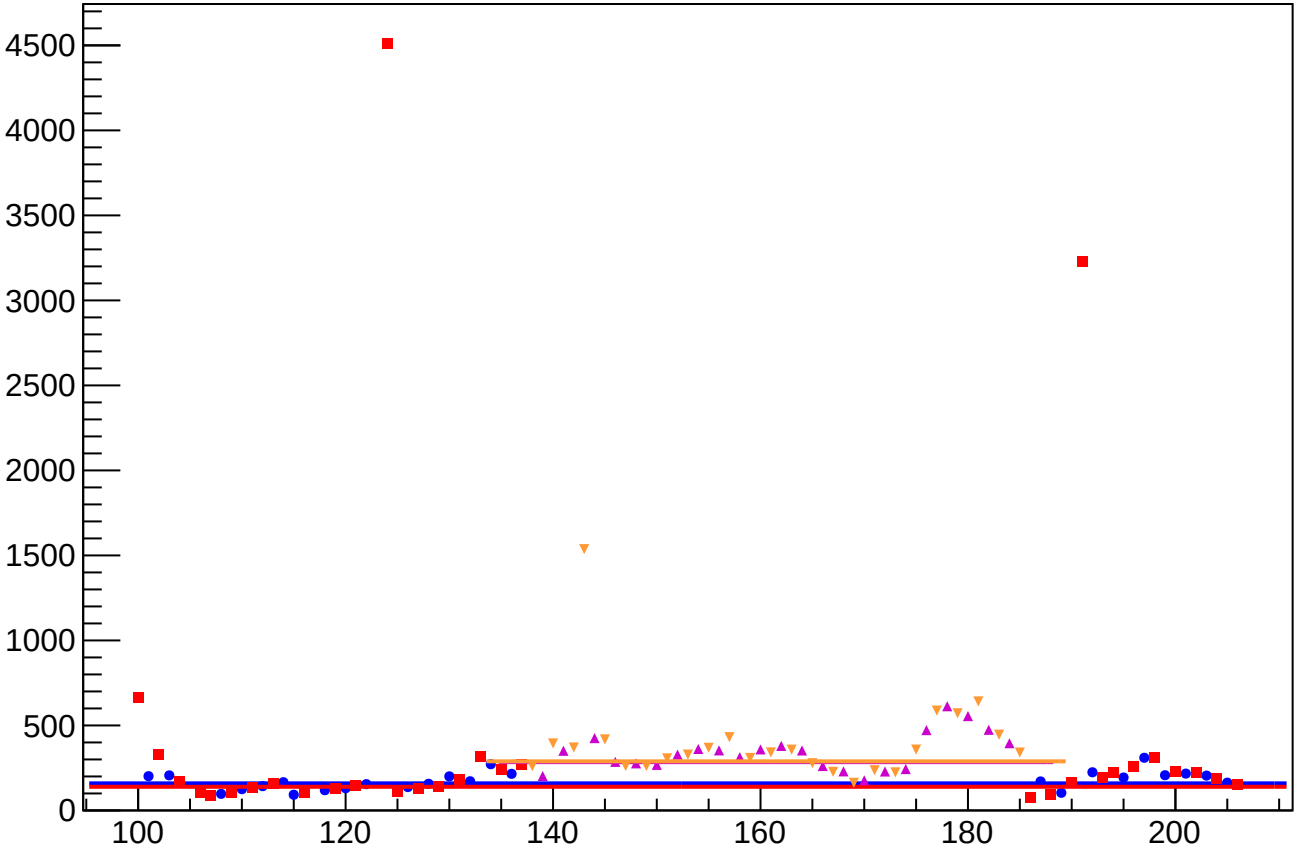
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

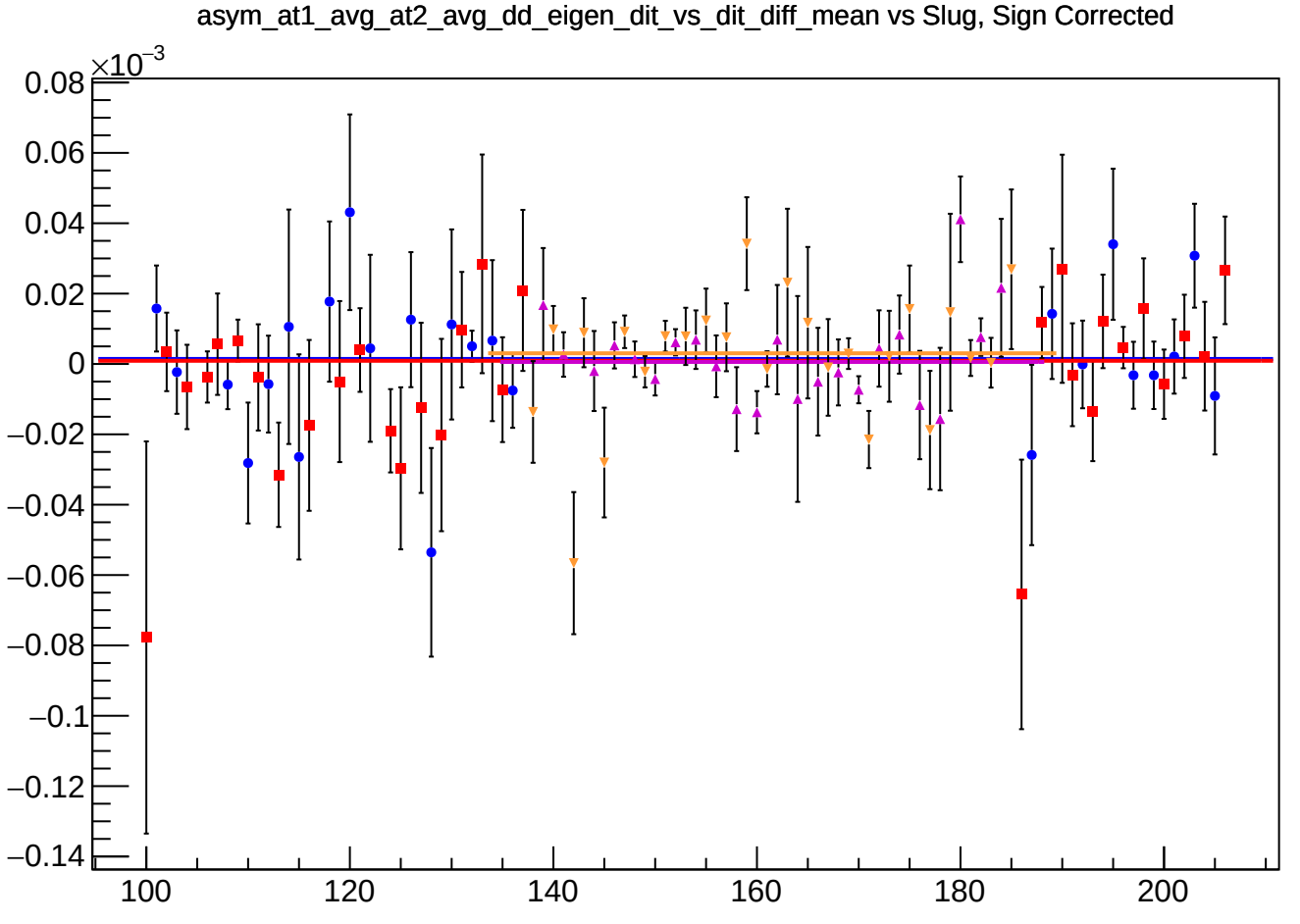
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

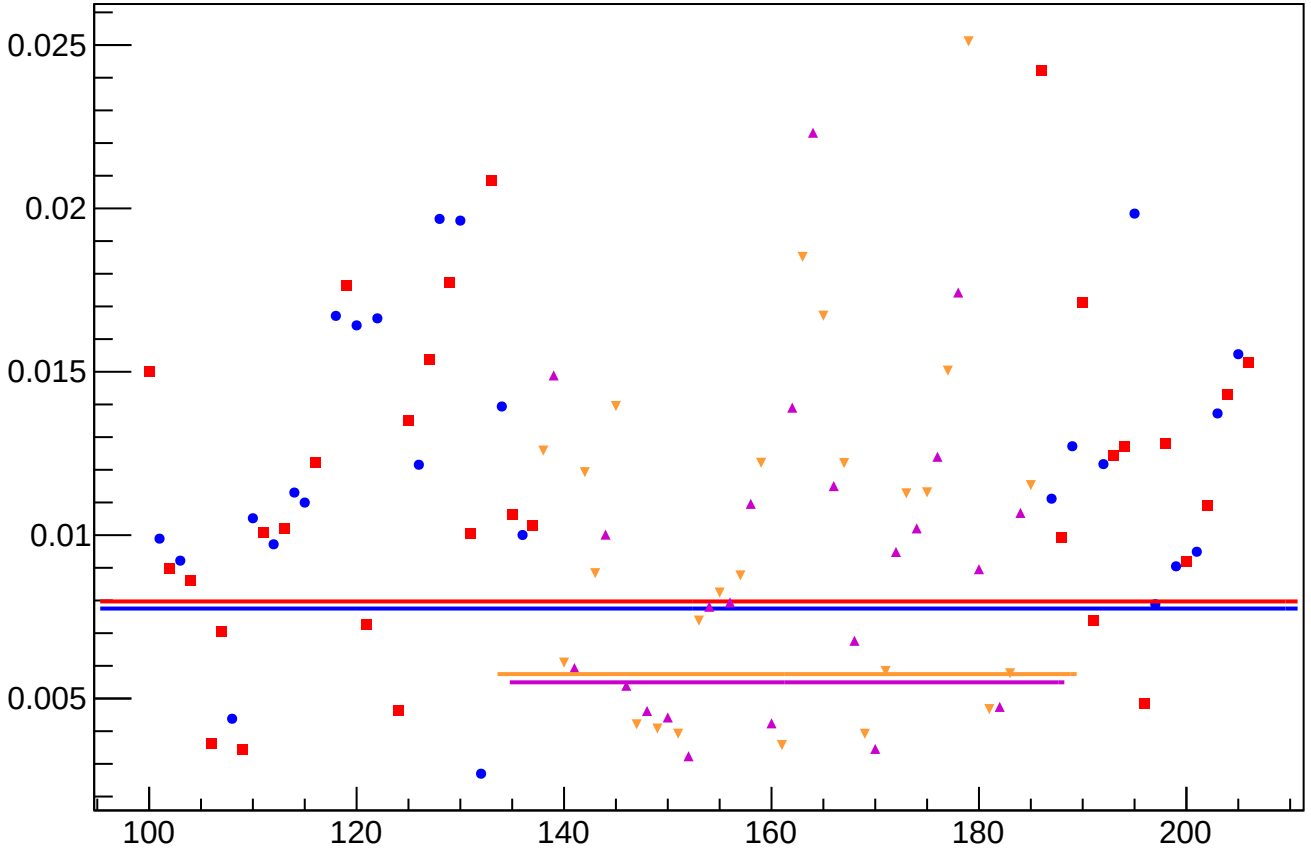
Right: 0.000+/-0.000 χ^2/NDF: 52.5/55

In: 0.000+/-0.000 χ^2/NDF:56.9/47

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.3/103

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

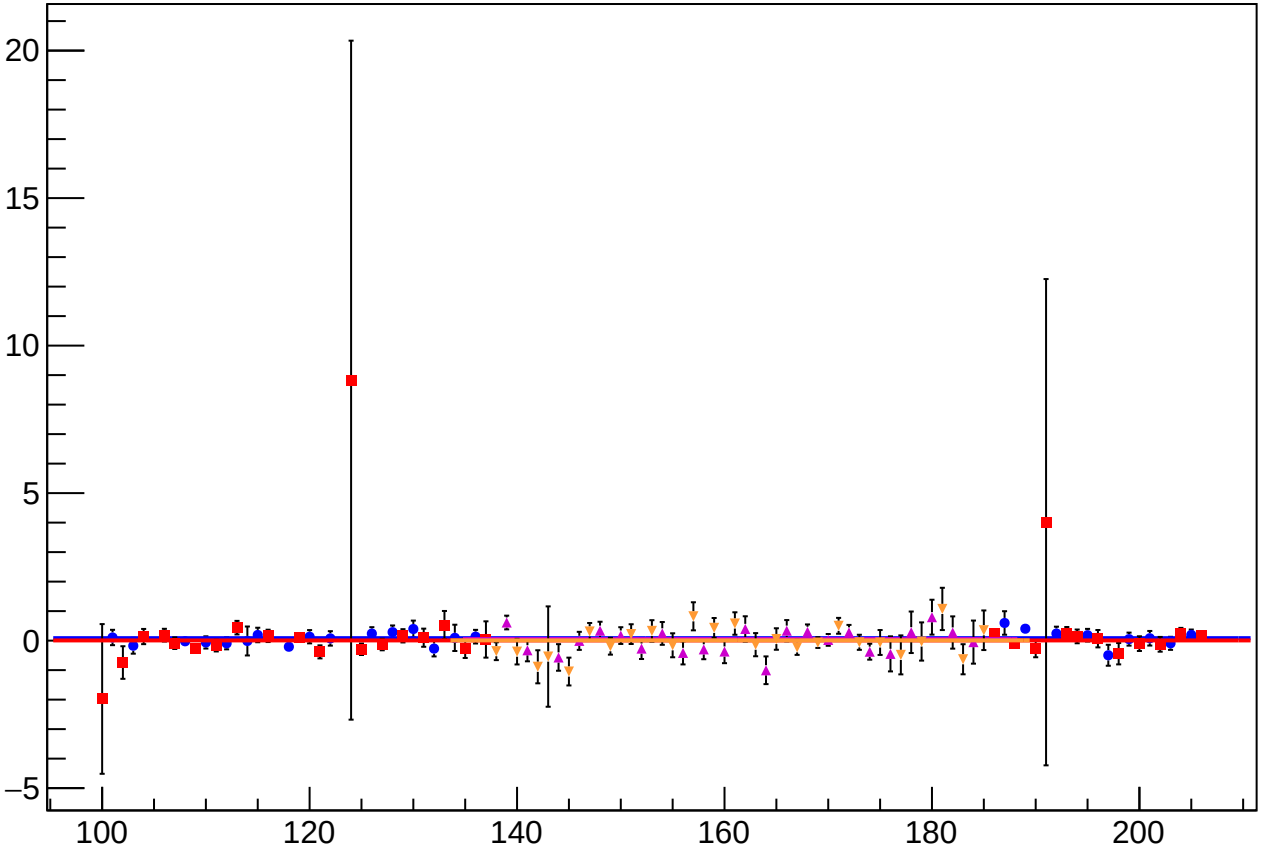
Right: 0.008+/-0.000 χ^2/NDF: 13434792.5/55

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

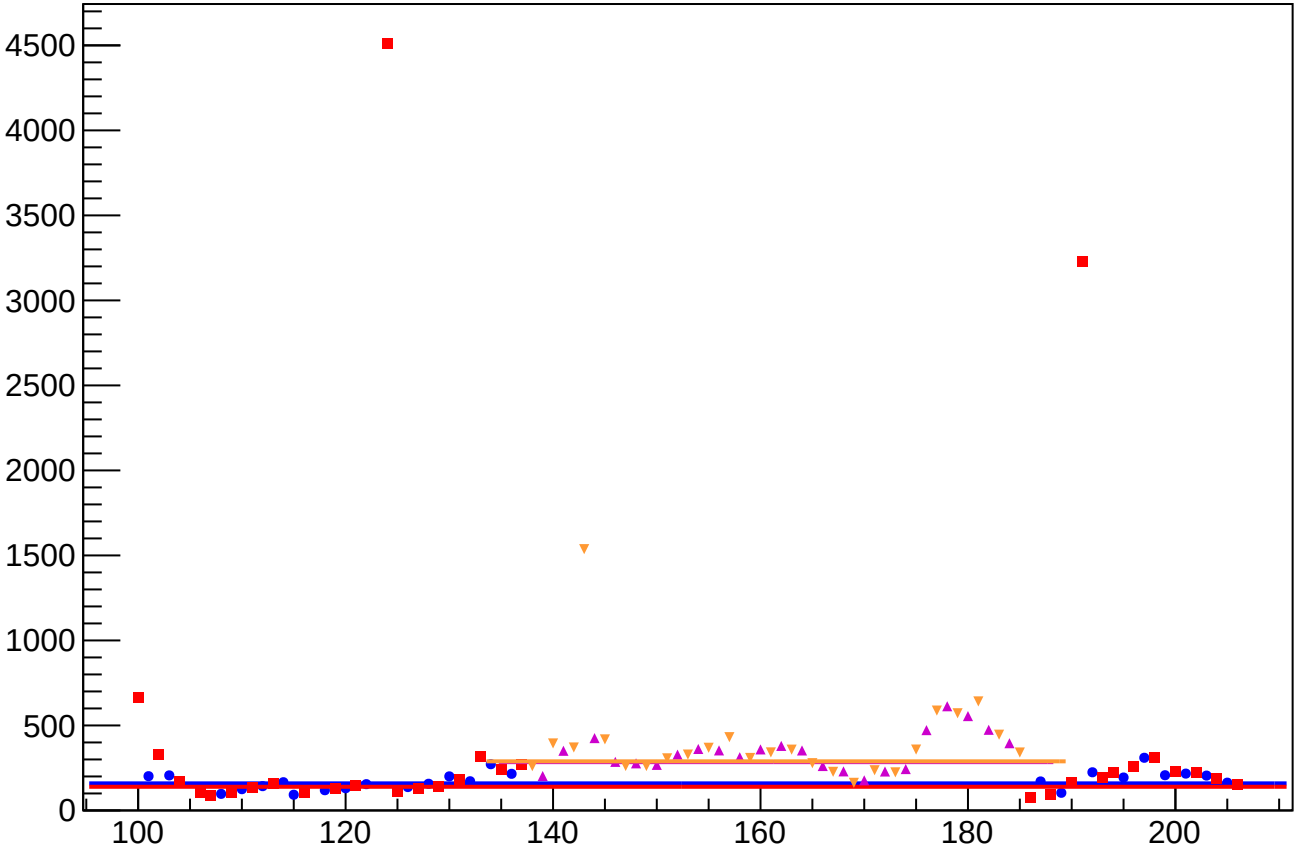
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

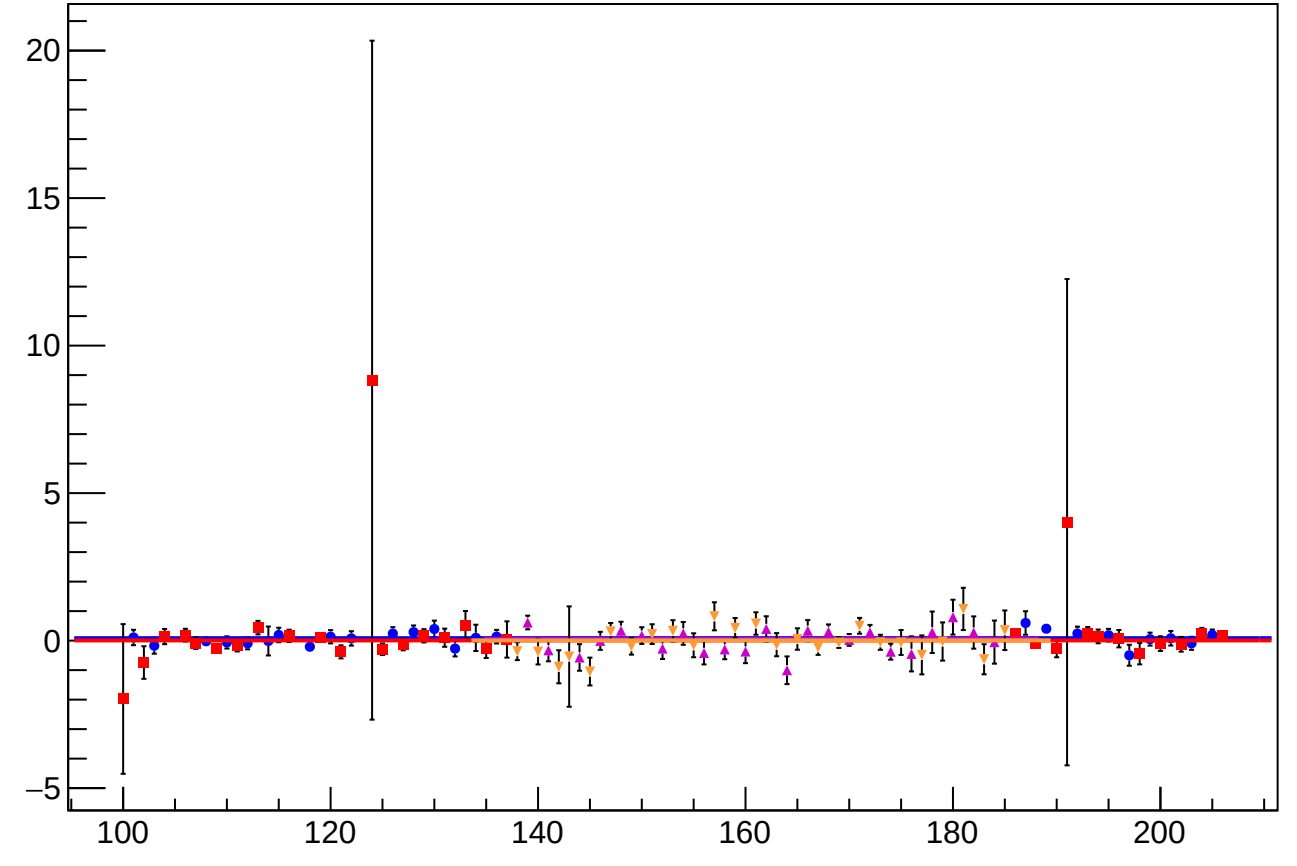
Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

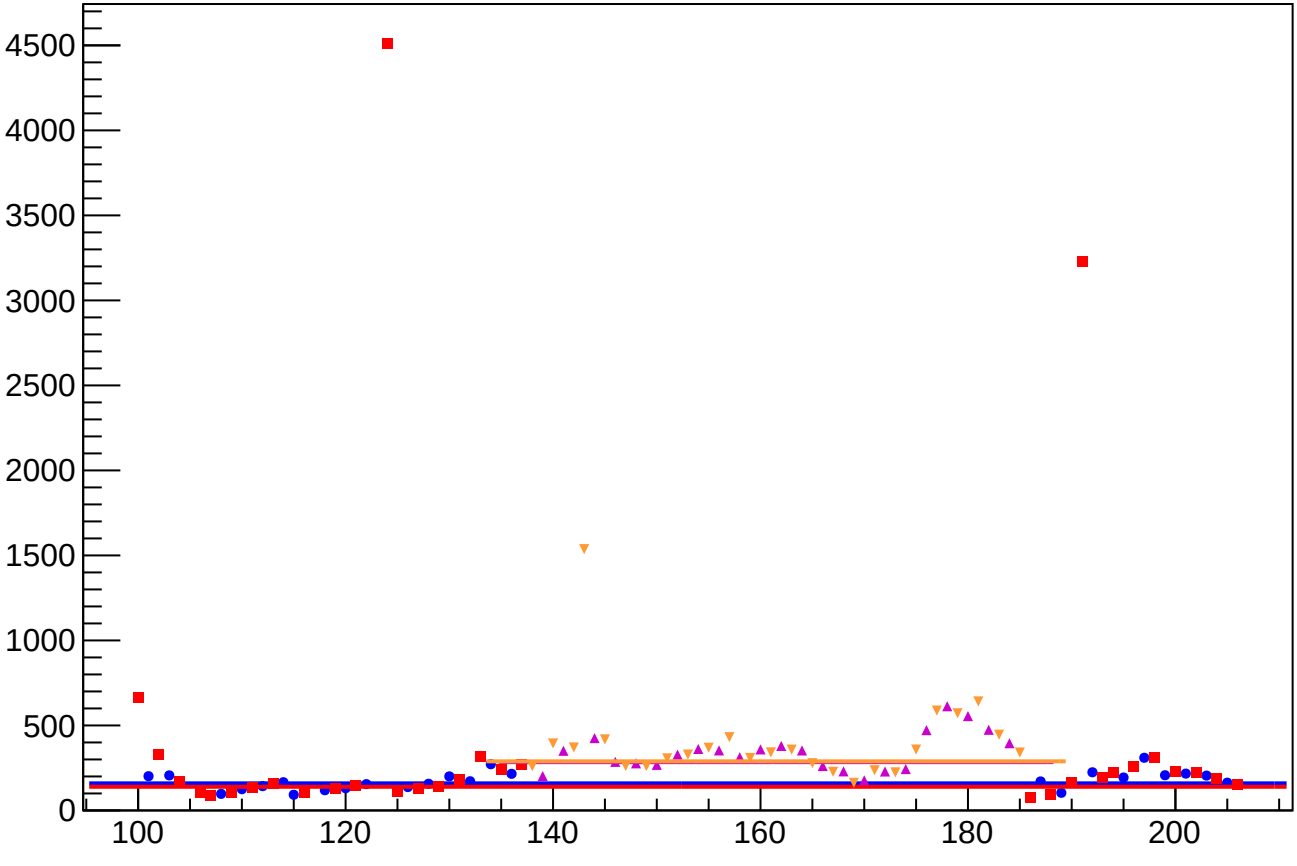
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

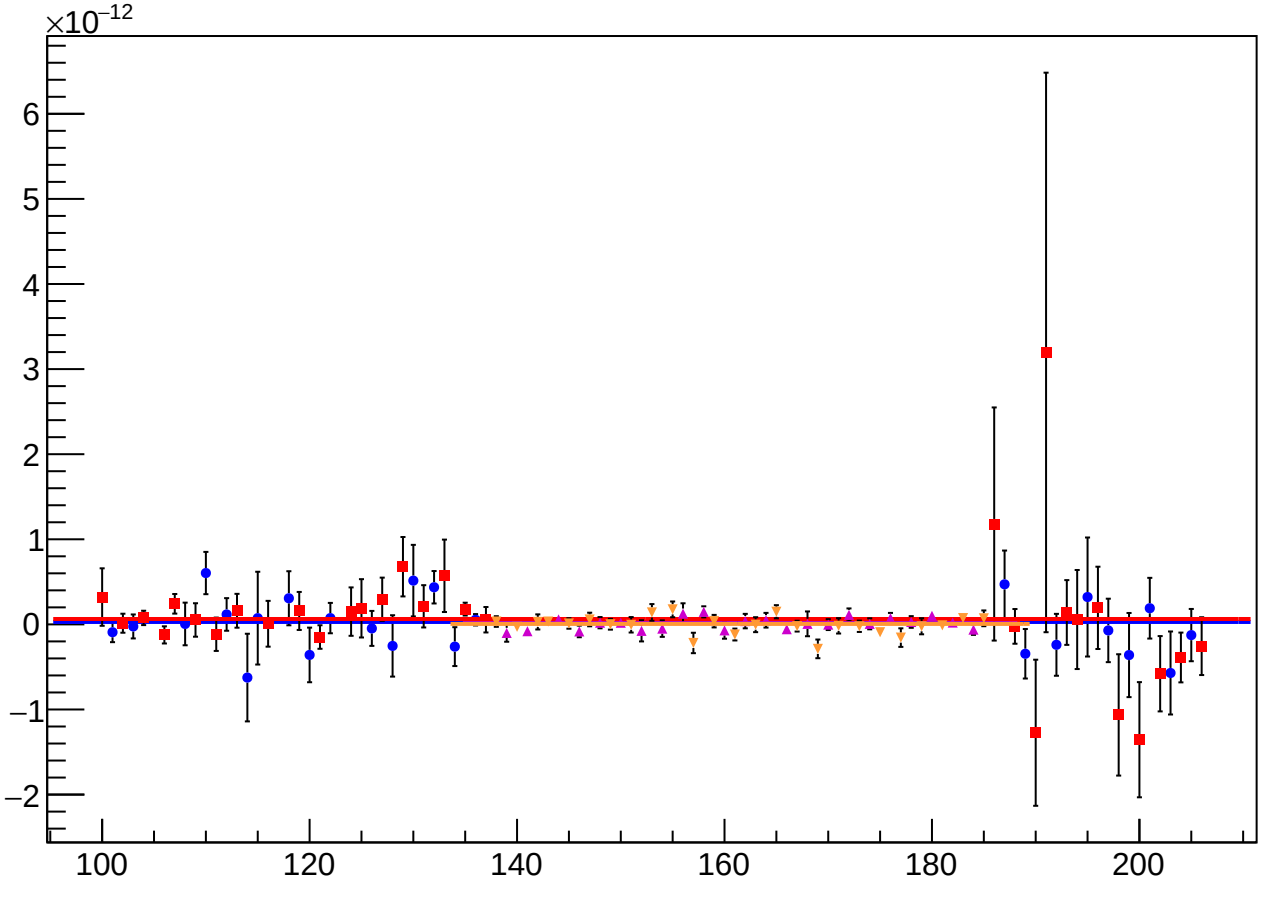
Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

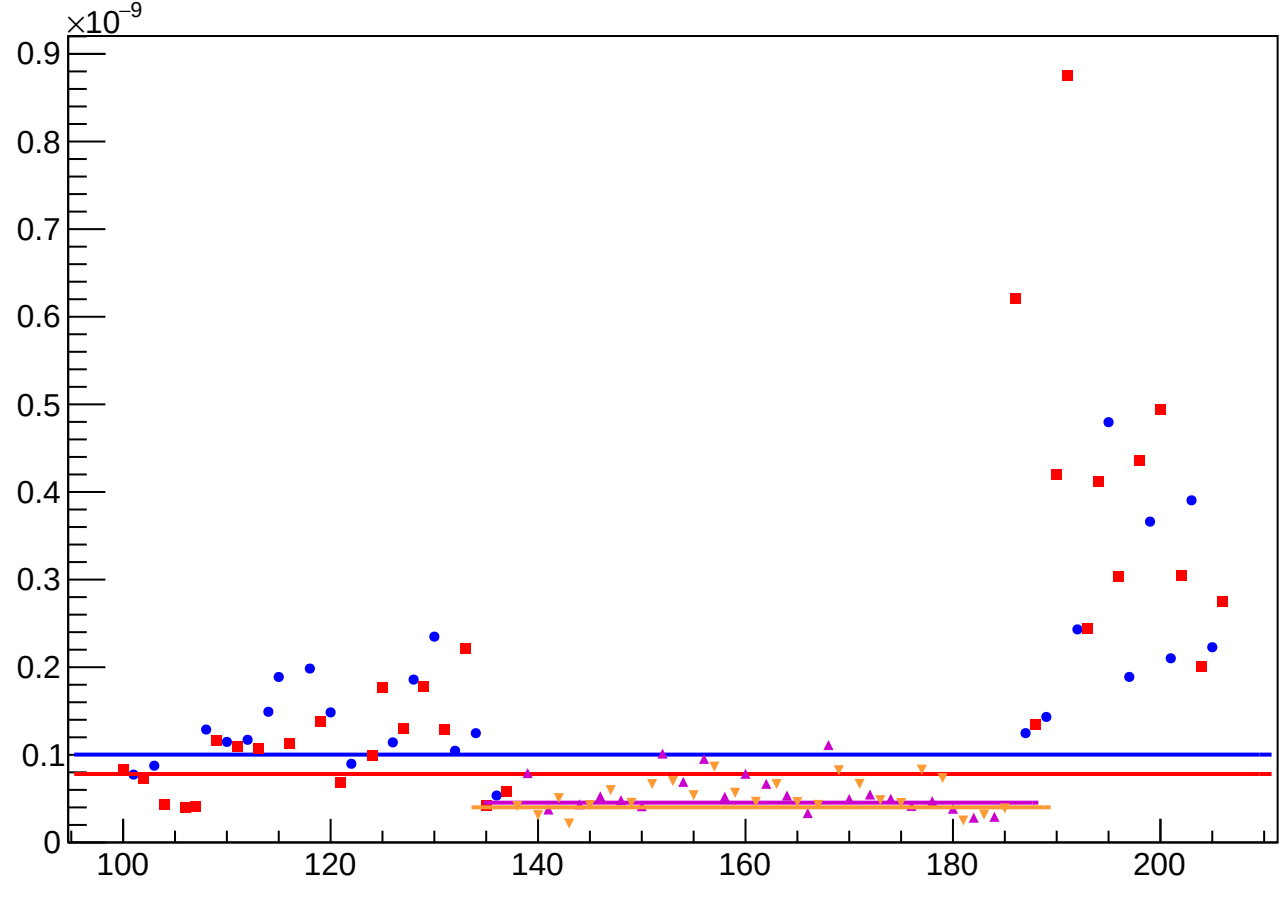
Right: 0.000+/-0.000 χ^2/NDF: 61.0/55

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/103

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

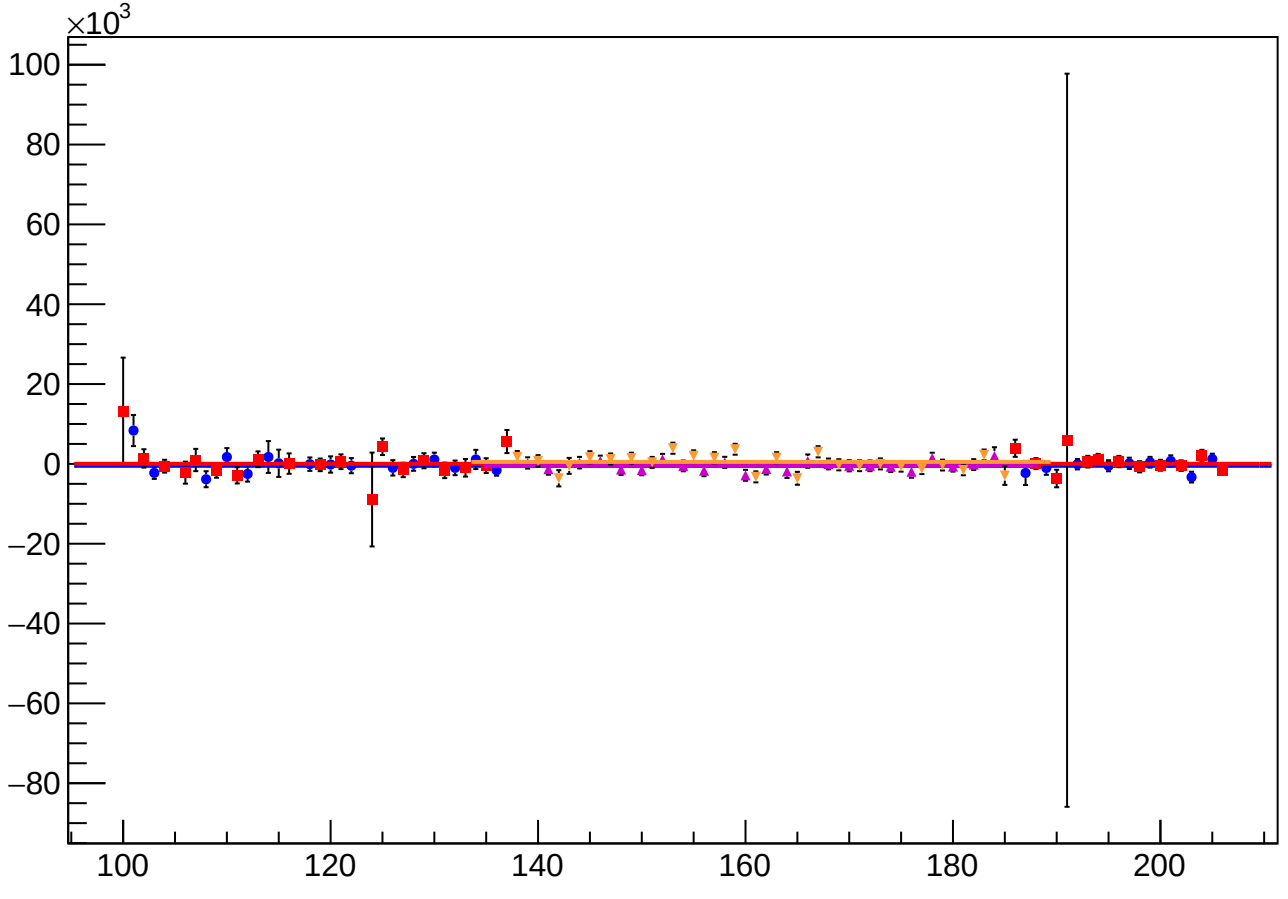
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12616606.6/55

In: 0.000+/-0.000 χ^2/NDF:10707213.1/47

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

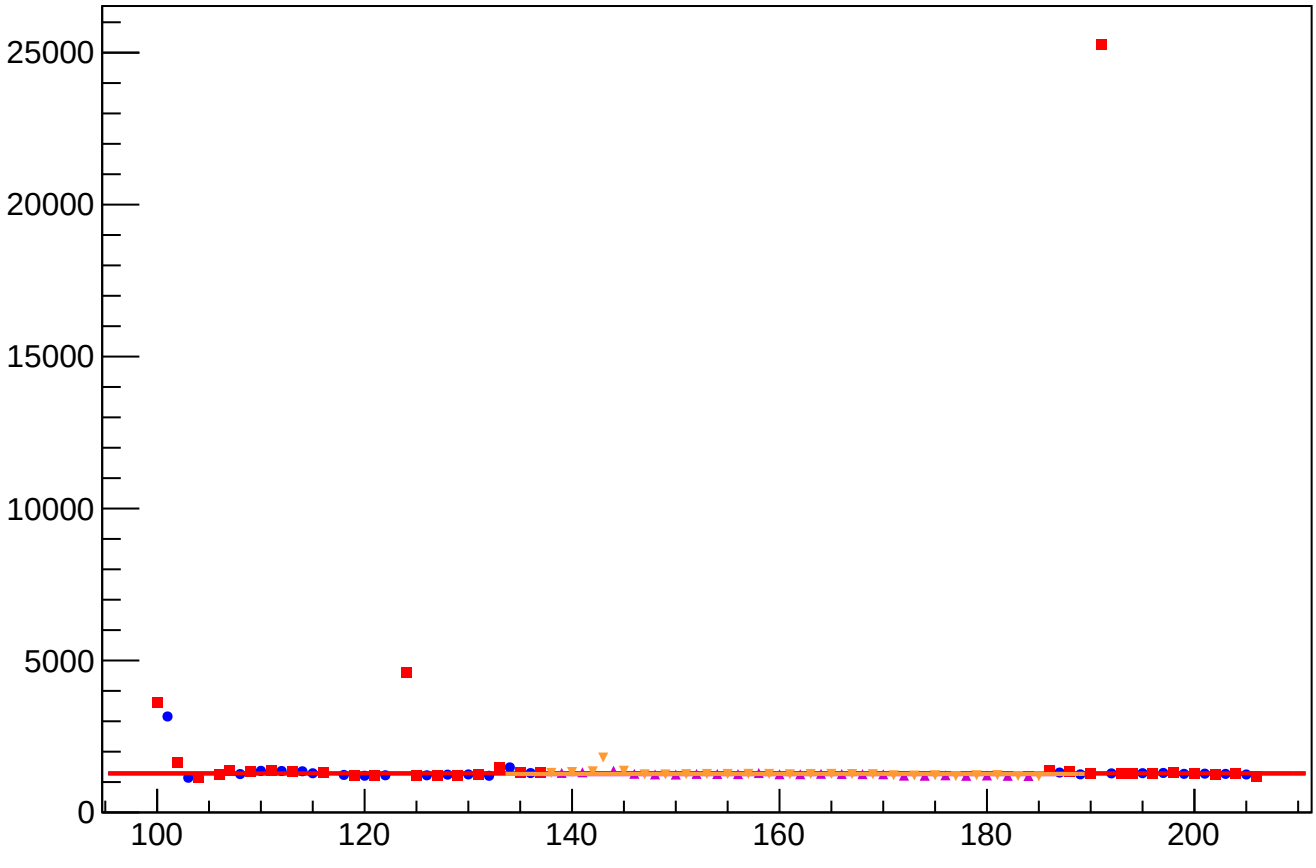
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -214.006+/-236.167 χ^2/NDF: 51.0/55

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -85.859+/-155.171 χ^2/NDF: 118.5/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

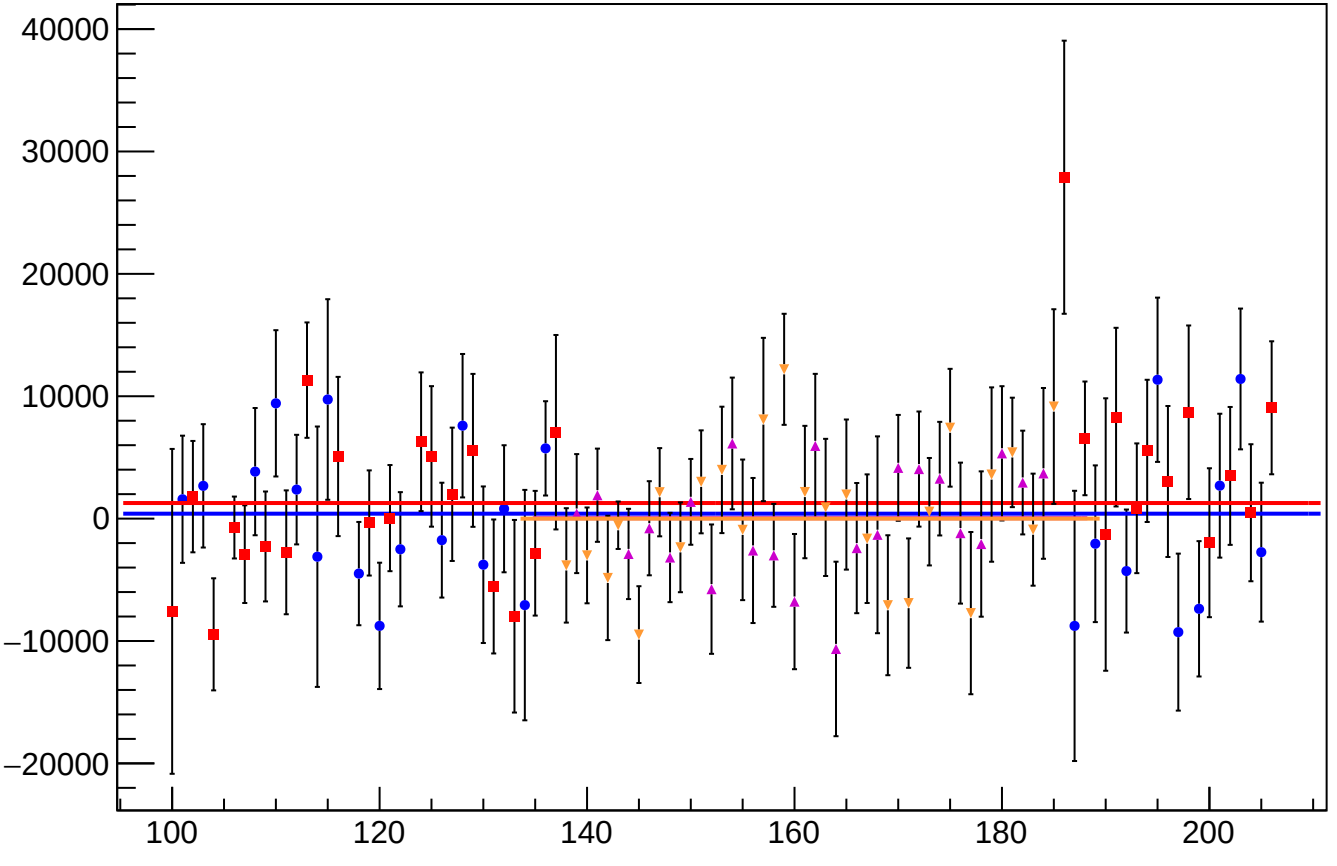
Right: 1285.504+/-0.167 χ^2/NDF: 1000347.3/55

In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

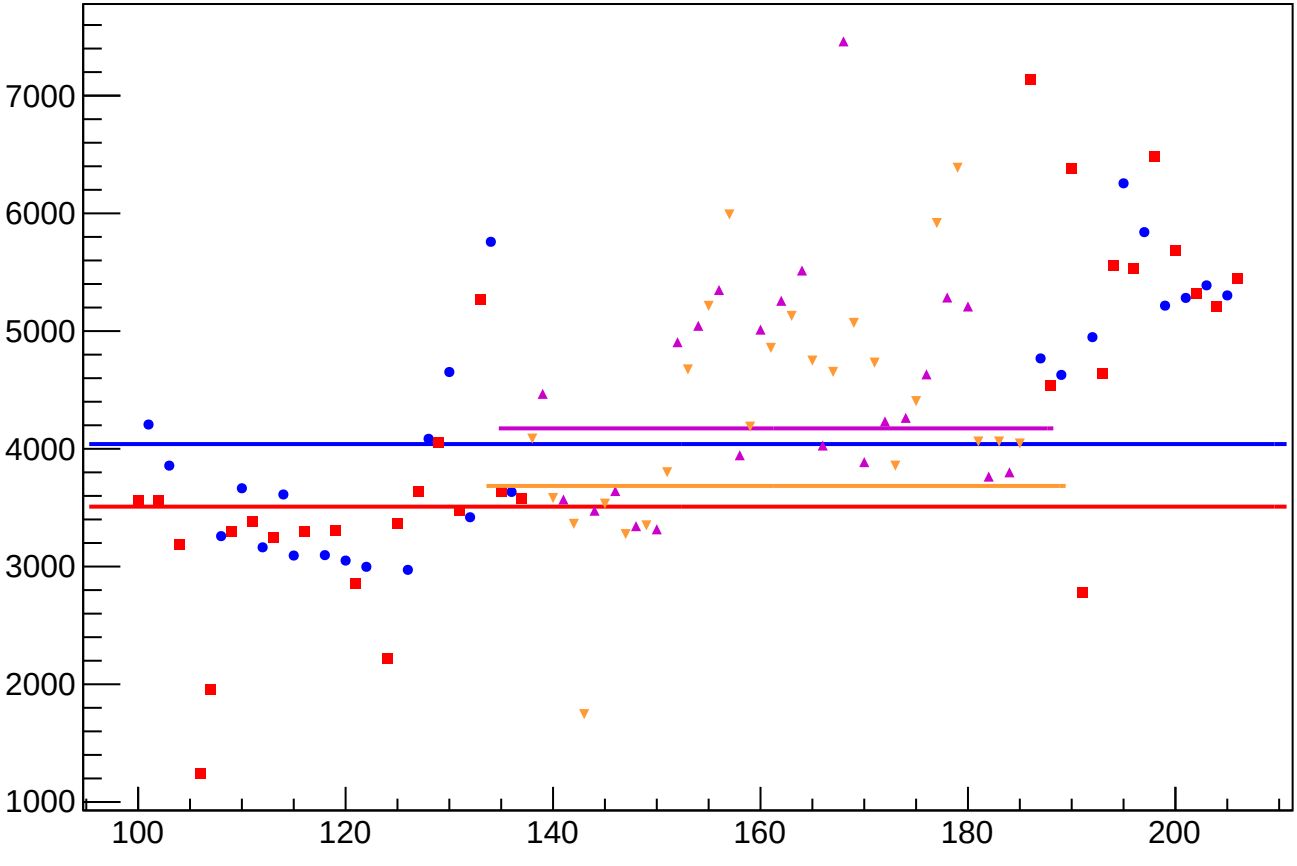
Right: 909.813+/-718.349 χ^2/NDF: 59.3/55

In: 197.234+/-741.186 χ^2/NDF:41.0/47

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 425.200+/-486.807 χ^2/NDF: 103.2/103

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

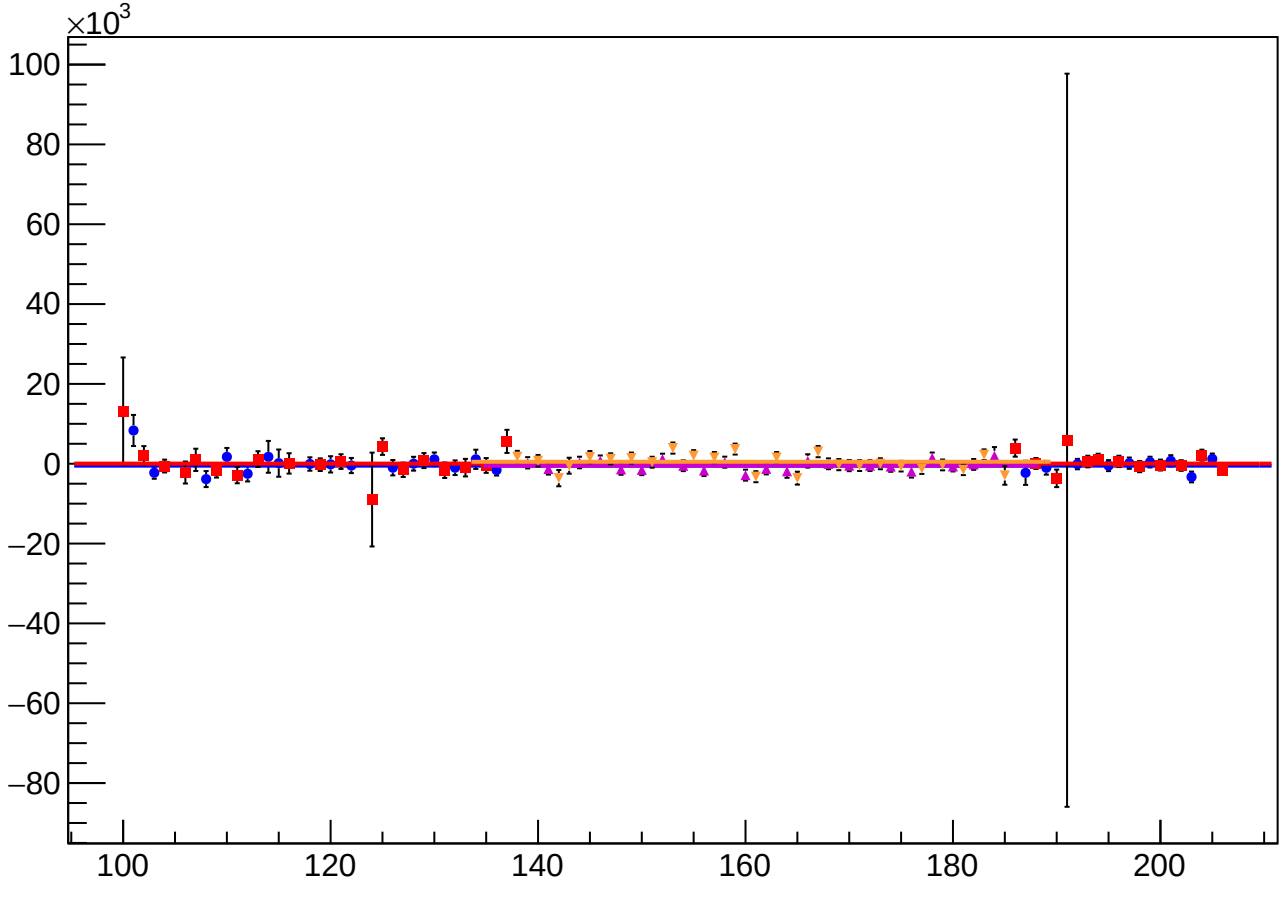
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3731.315+/-0.508 χ^2/NDF: 6277827.8/55

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

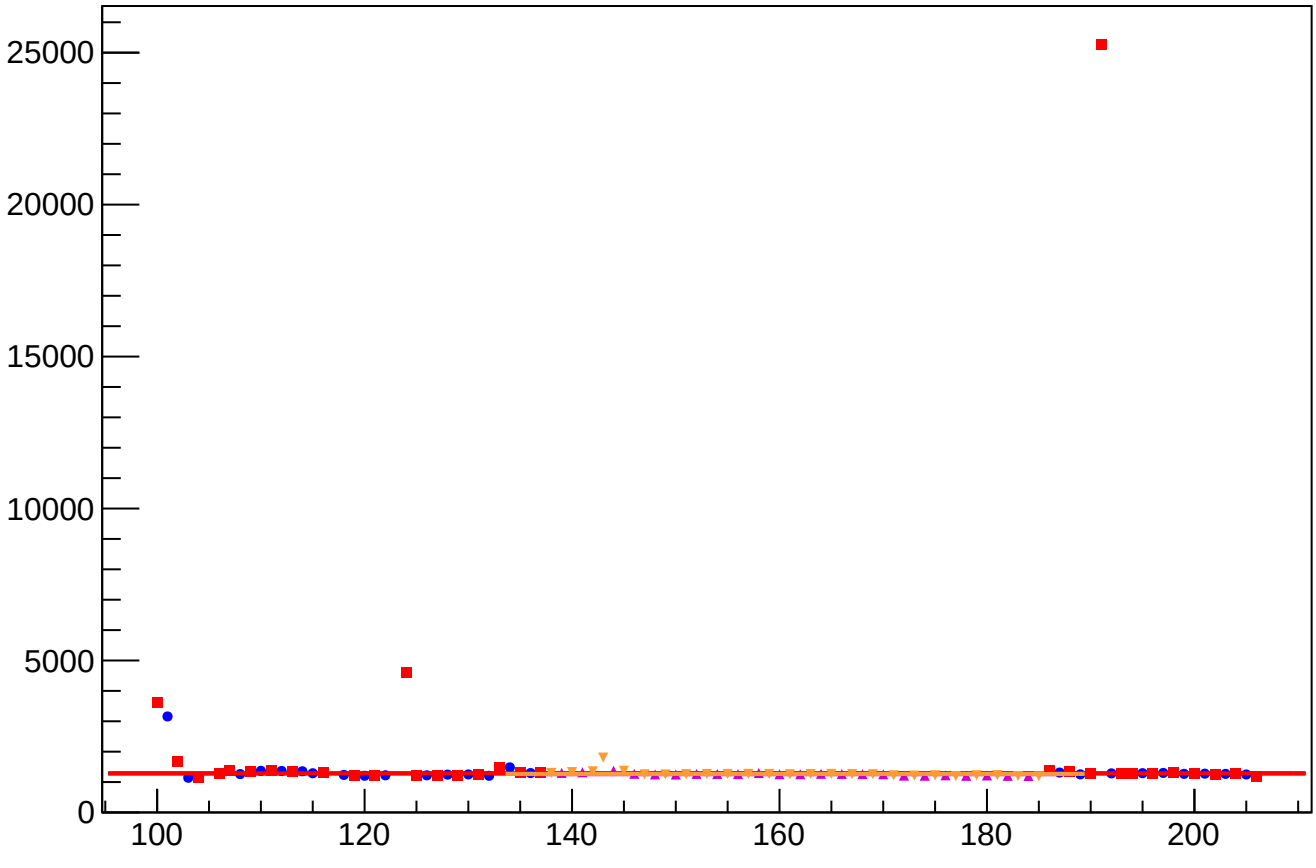
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

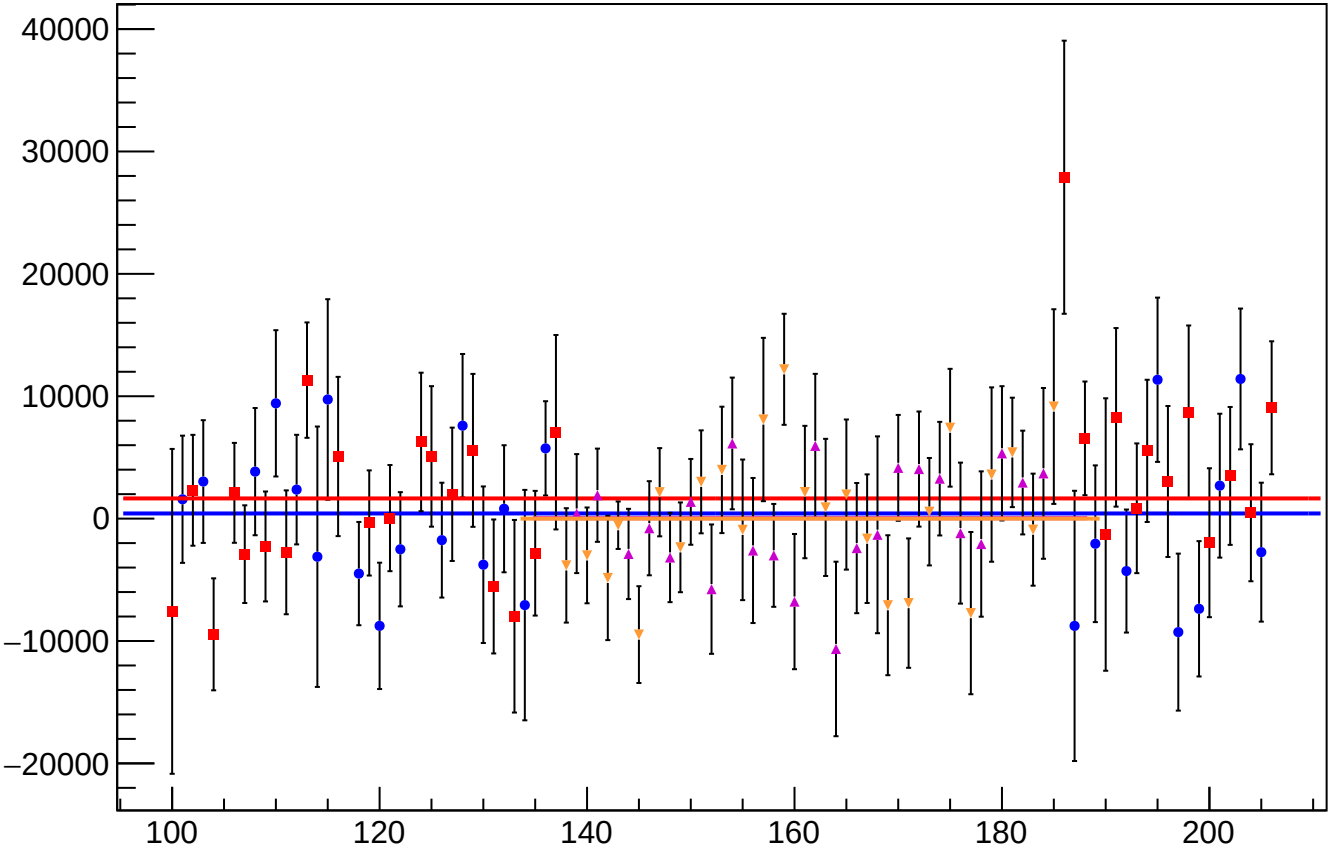
Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

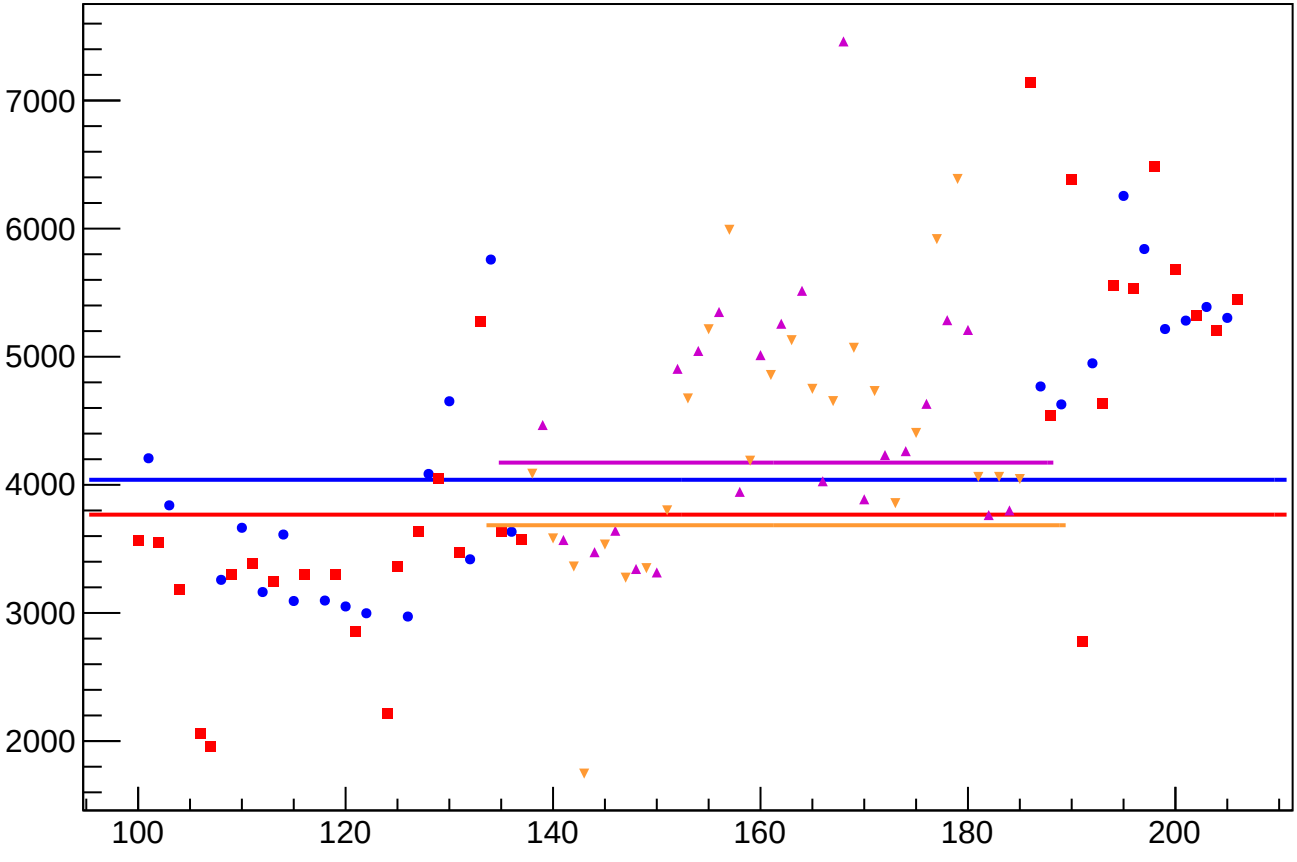
Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

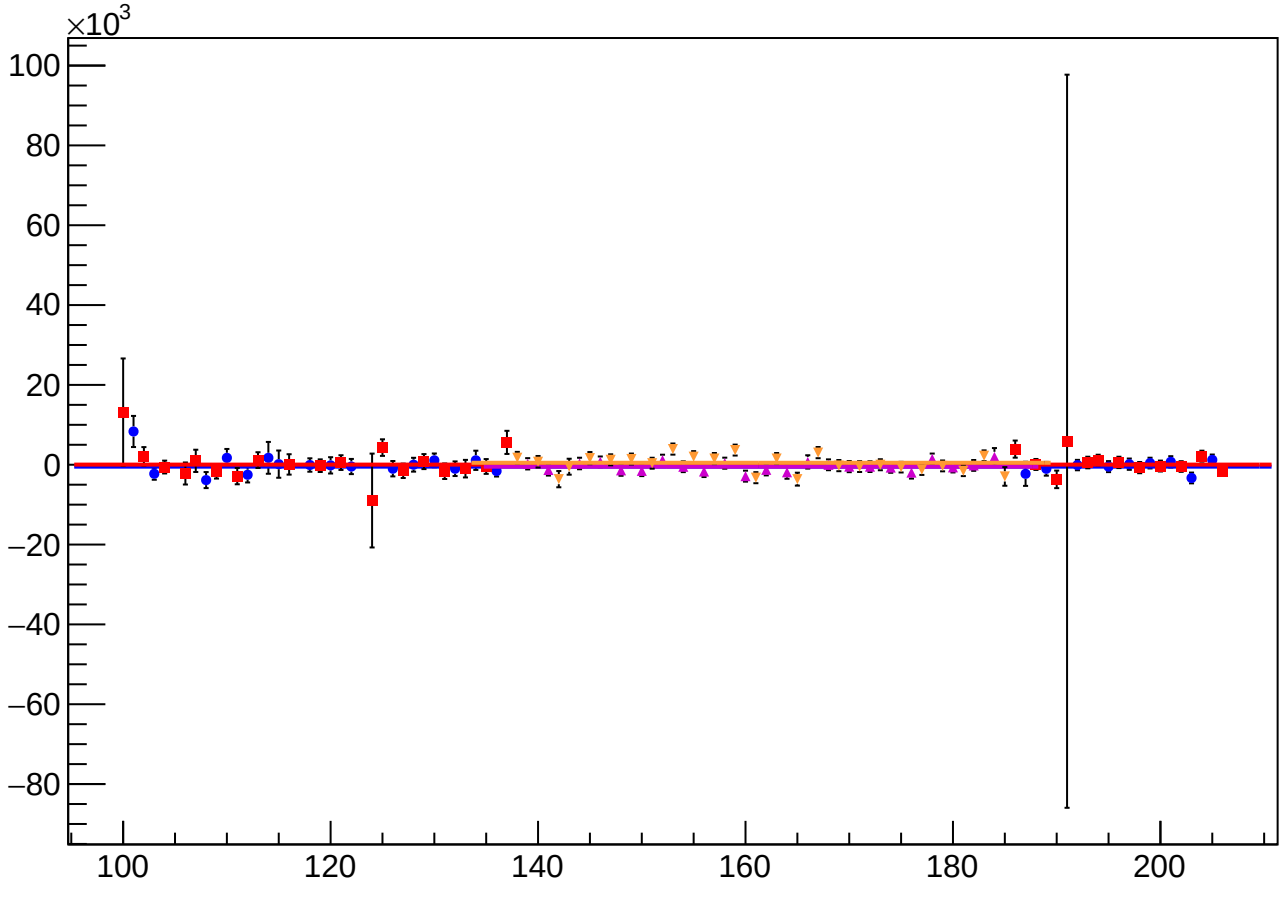
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

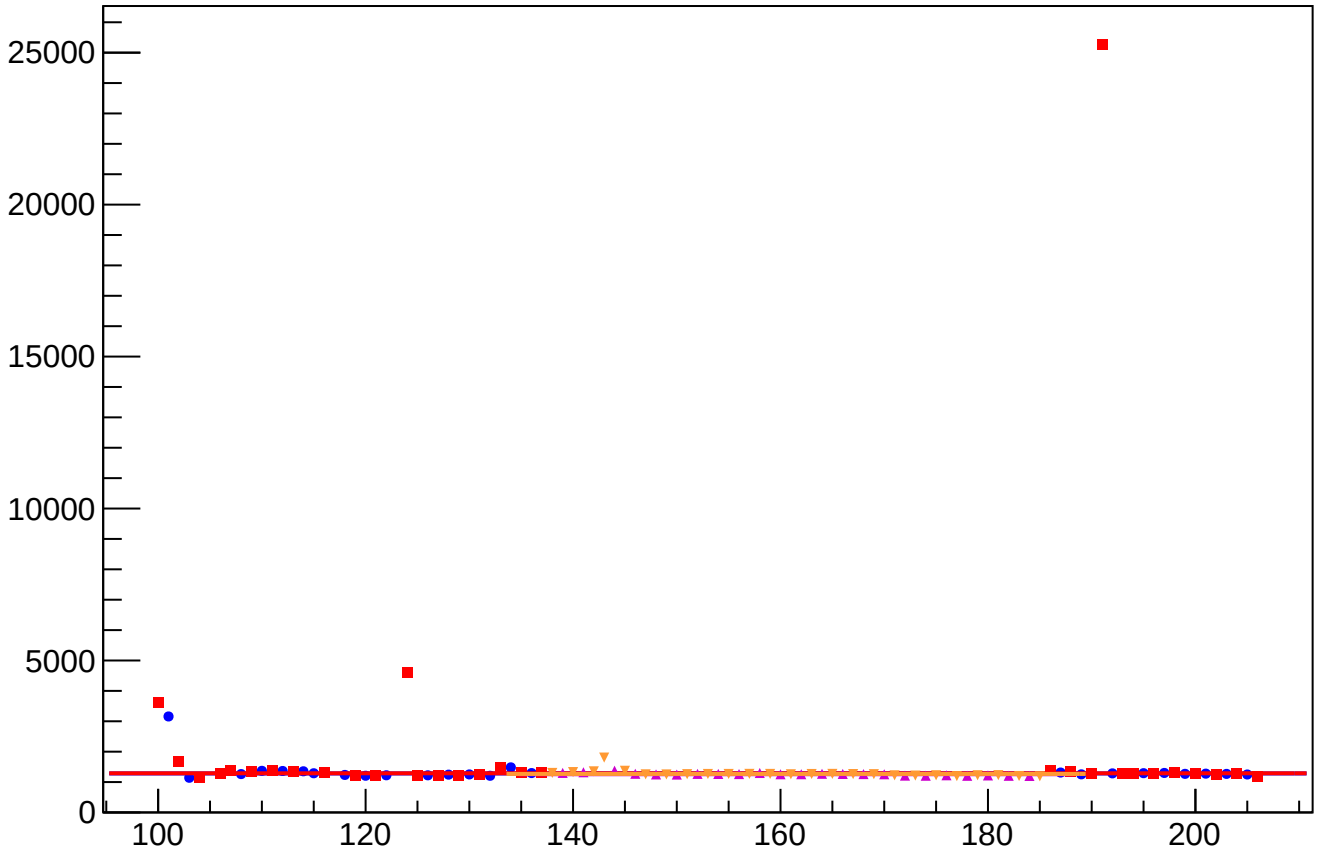
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -207.331+/-236.204 χ^2/NDF: 51.5/55

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -82.927+/-155.181 χ^2/NDF: 119.0/103



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

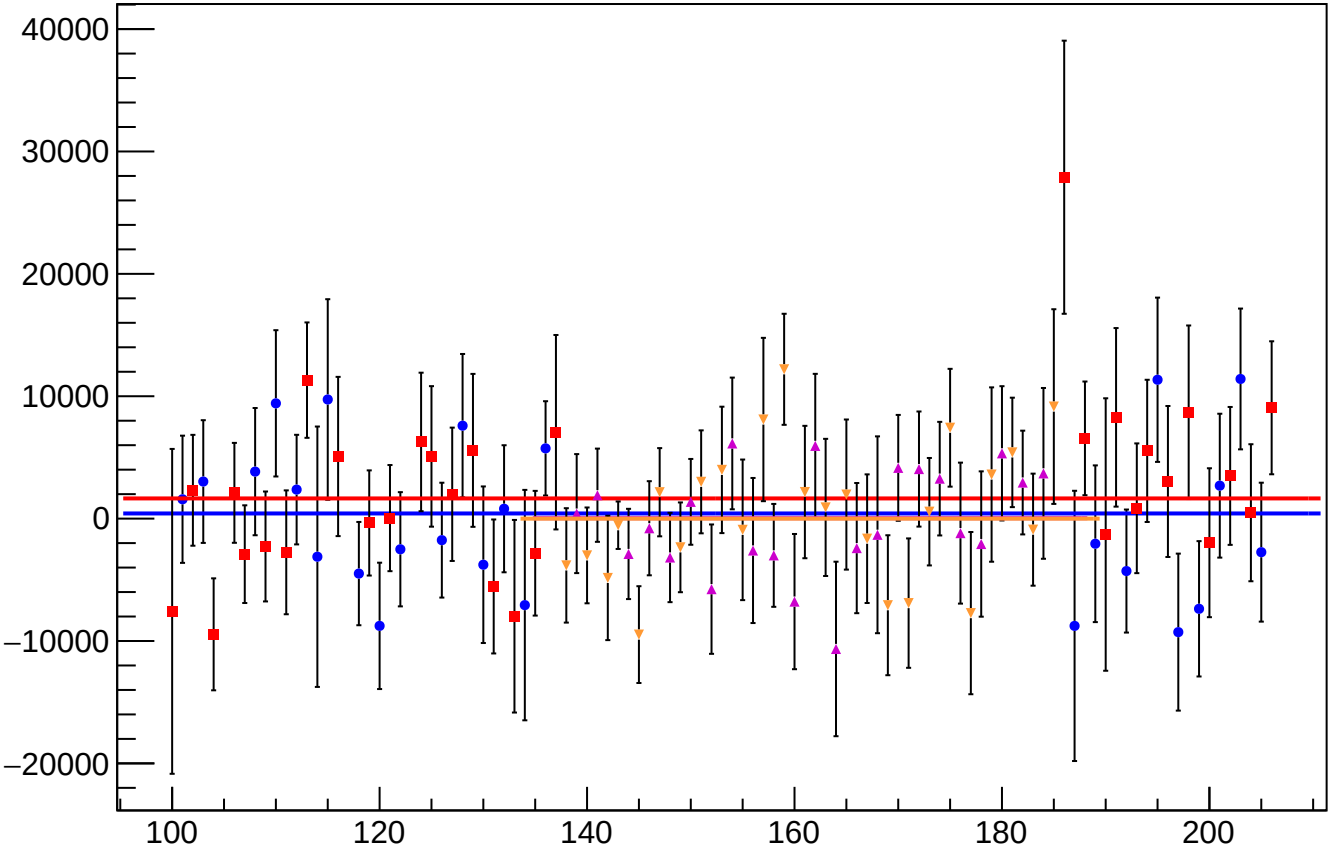
Right: 1285.972+/-0.167 χ^2/NDF: 1007353.8/55

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

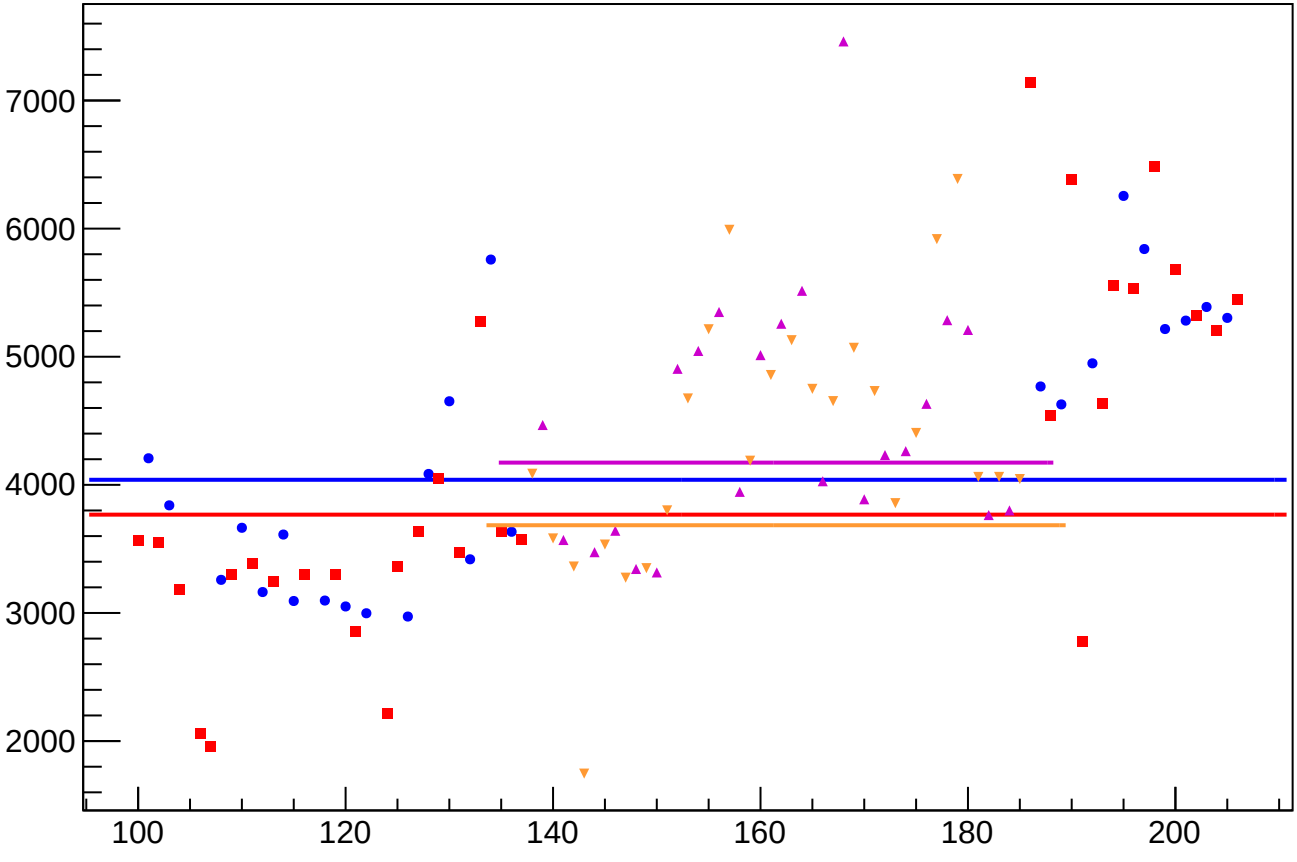
Right: 1108.986+/-736.693 χ^2/NDF: 59.0/55

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 503.001+/-492.399 χ^2/NDF: 103.3/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

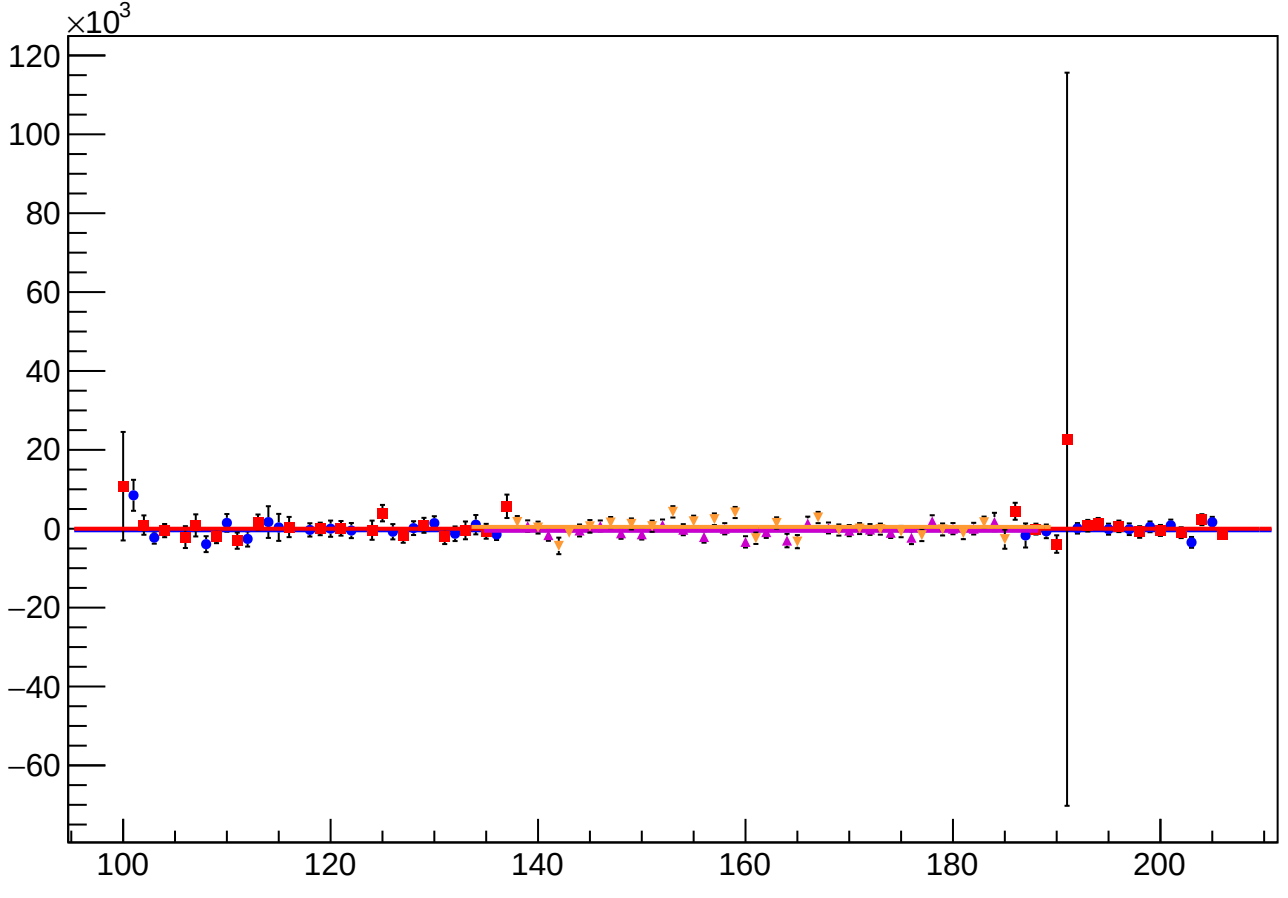
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3887.242+/-0.521 χ^2/NDF: 4585999.3/55

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

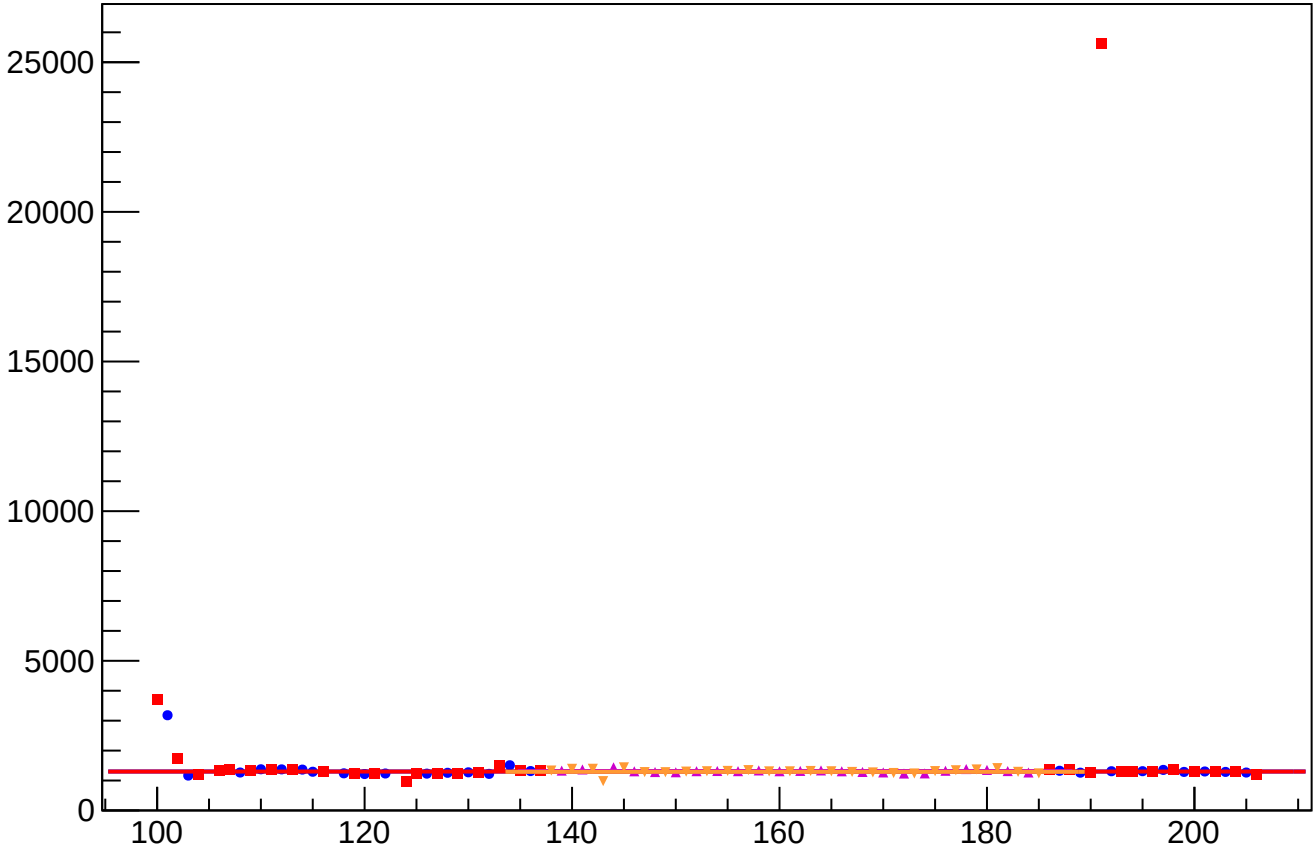
Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -78.029+/-158.729 χ^2/NDF: 119.9/103

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

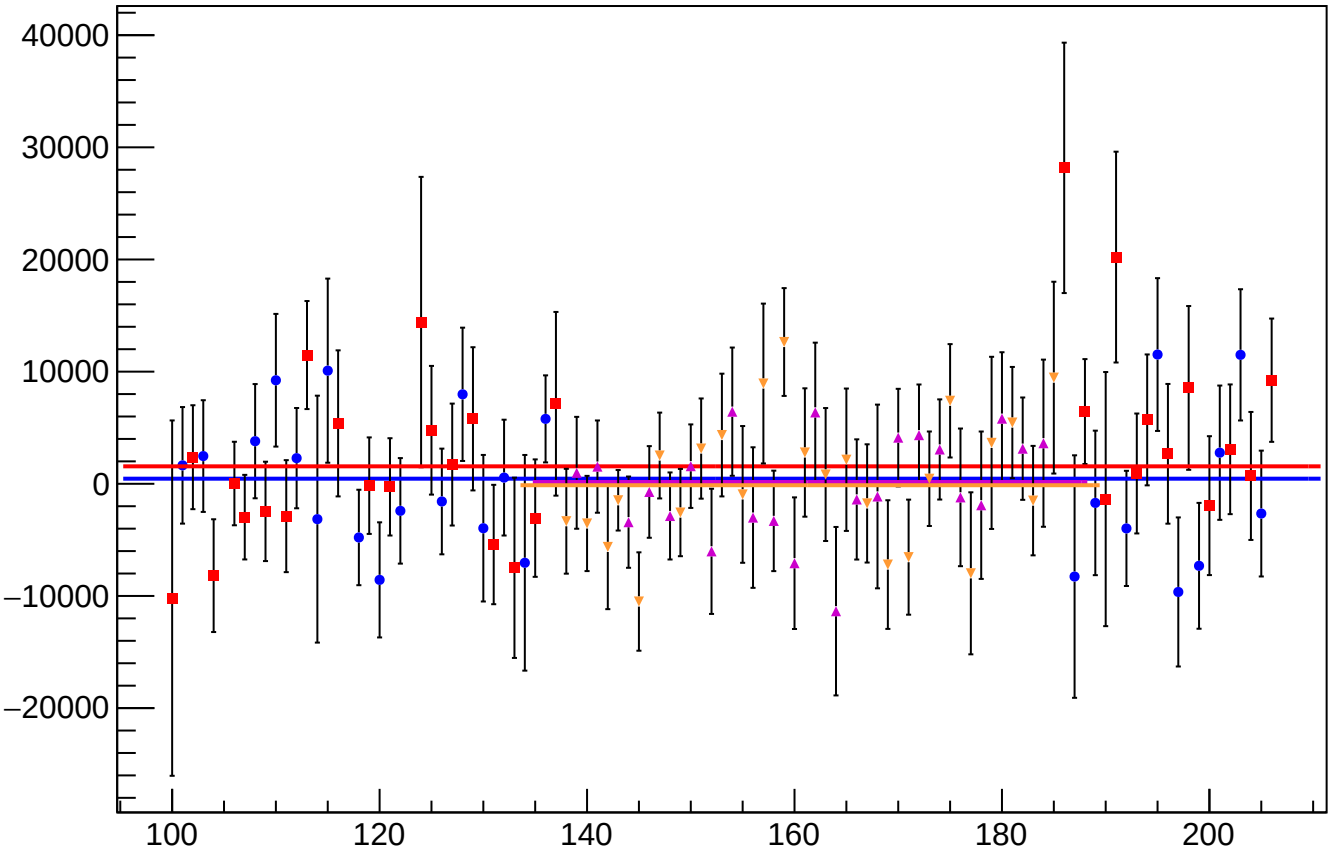
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1300.868+/-0.169 χ^2/NDF: 894313.7/55

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

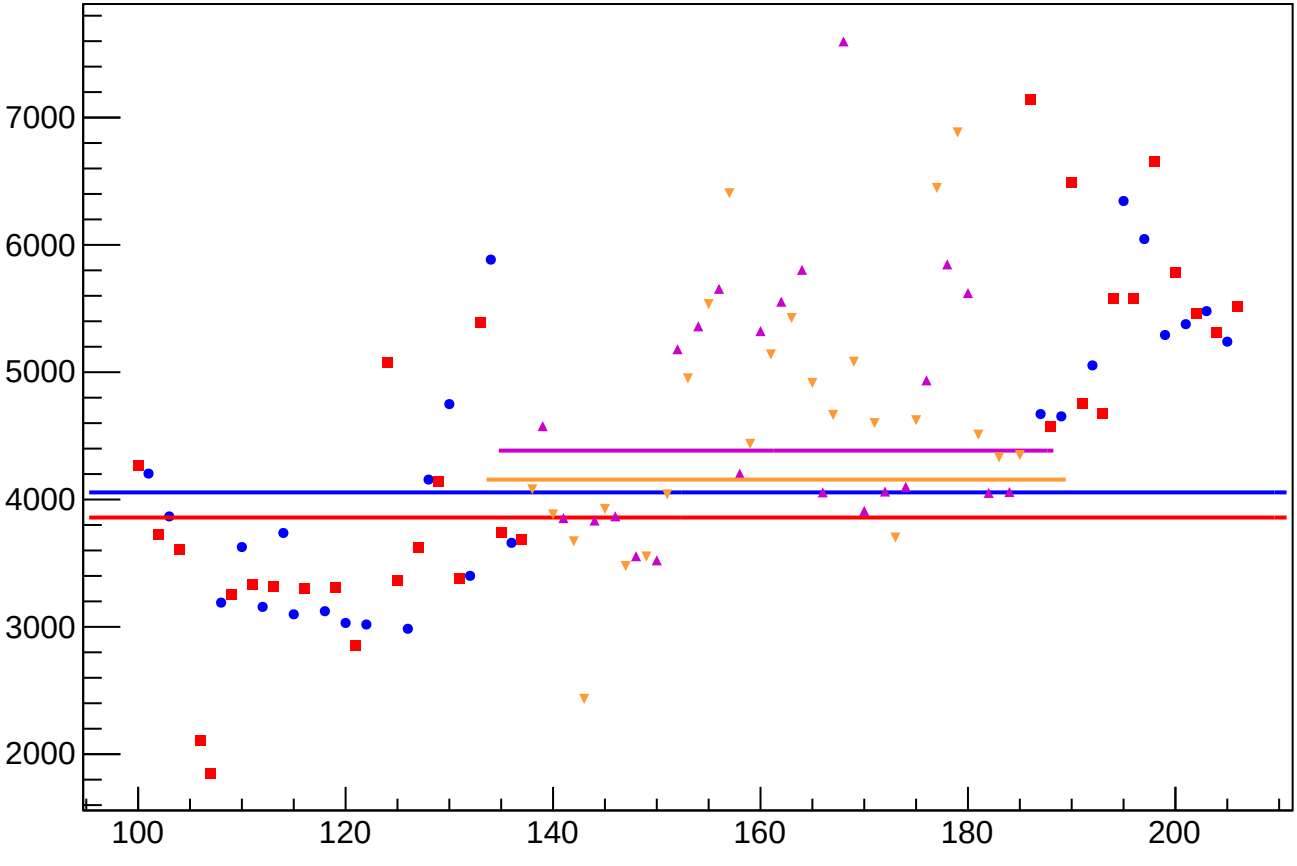
Right: 1065.185+/-745.575 χ^2/NDF: 60.2/55

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.854+/-515.647 χ^2/NDF: 103.7/103

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

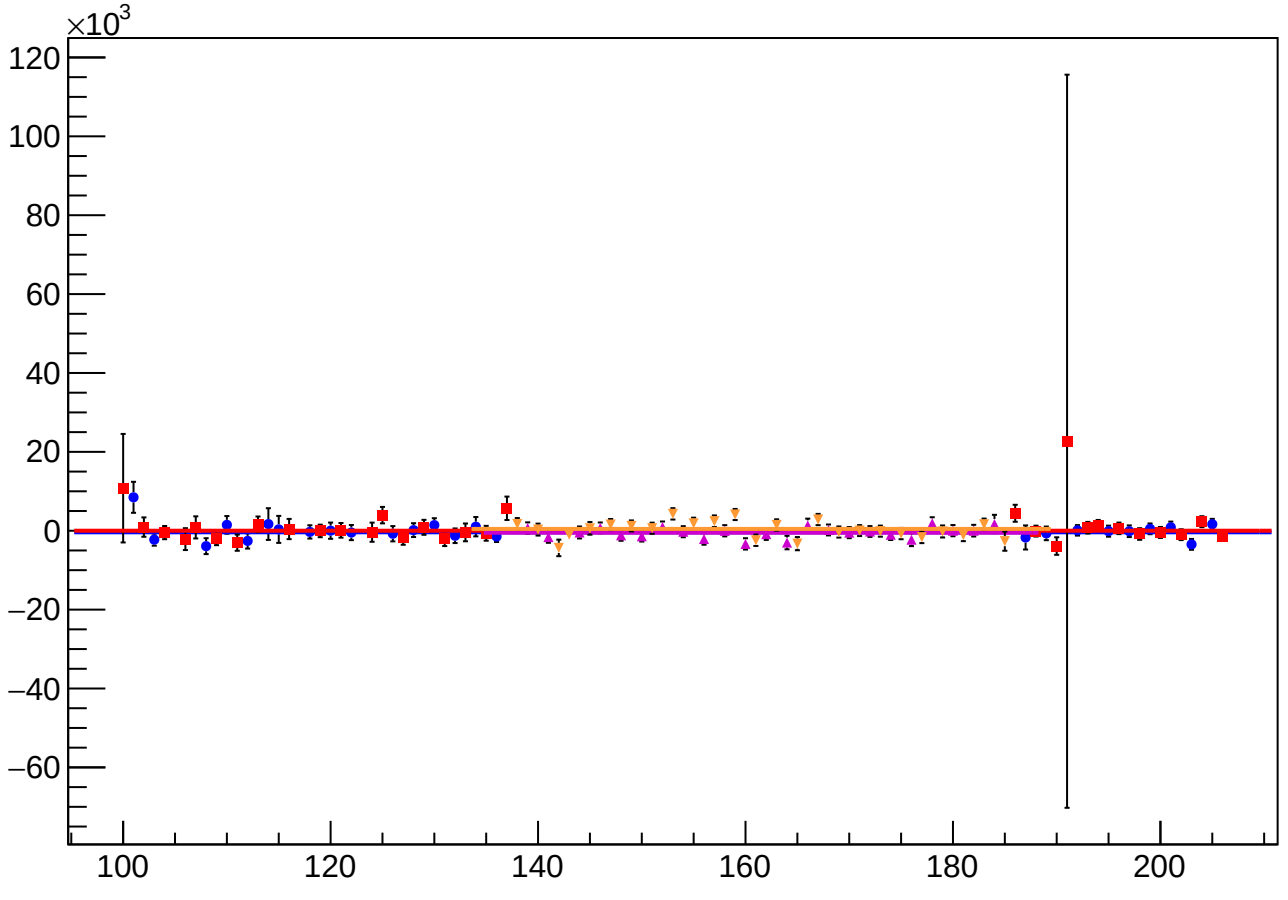
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3946.756+/-0.527 χ^2/NDF: 4706225.9/55

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

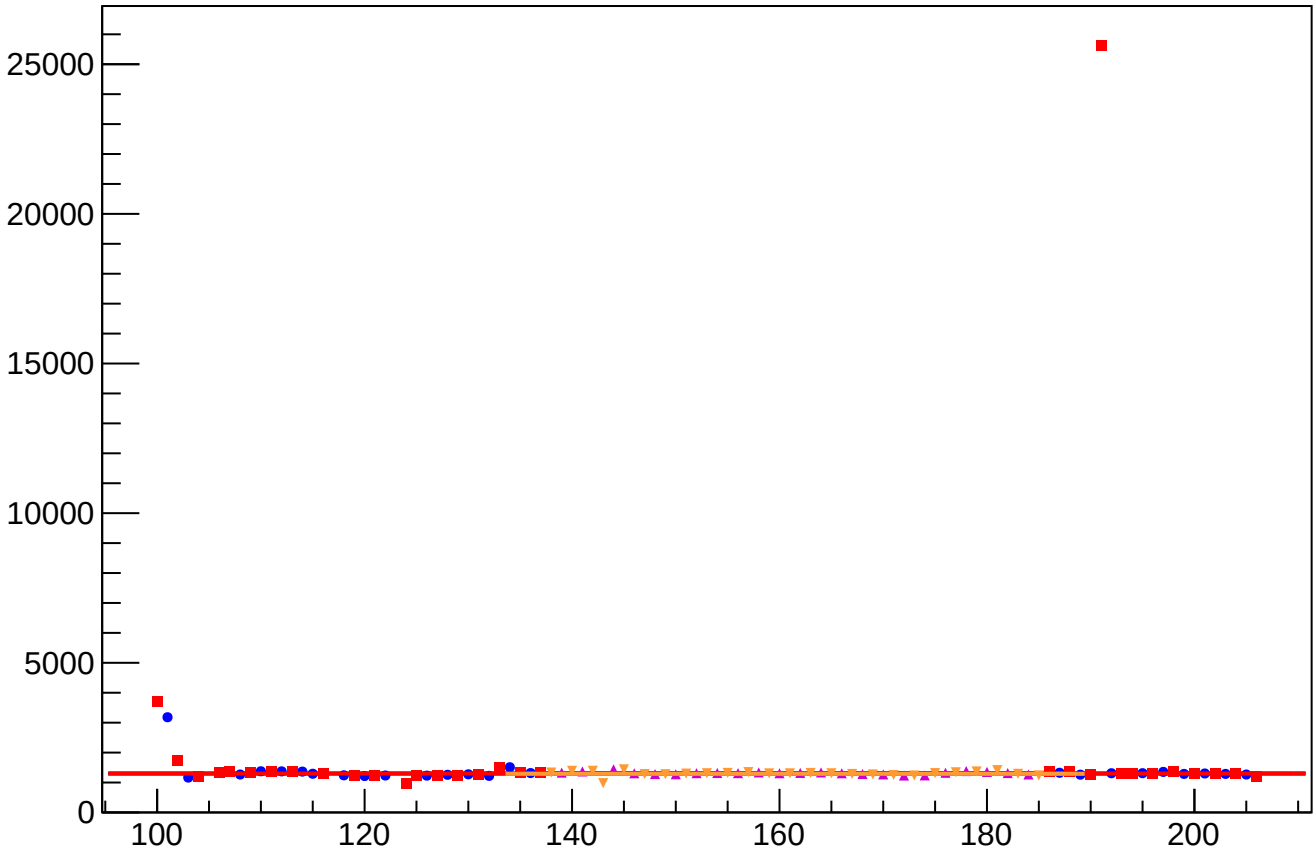
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.224+/-238.807 χ^2/NDF: 52.8/55

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -78.028+/-158.730 χ^2/NDF: 119.9/103



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

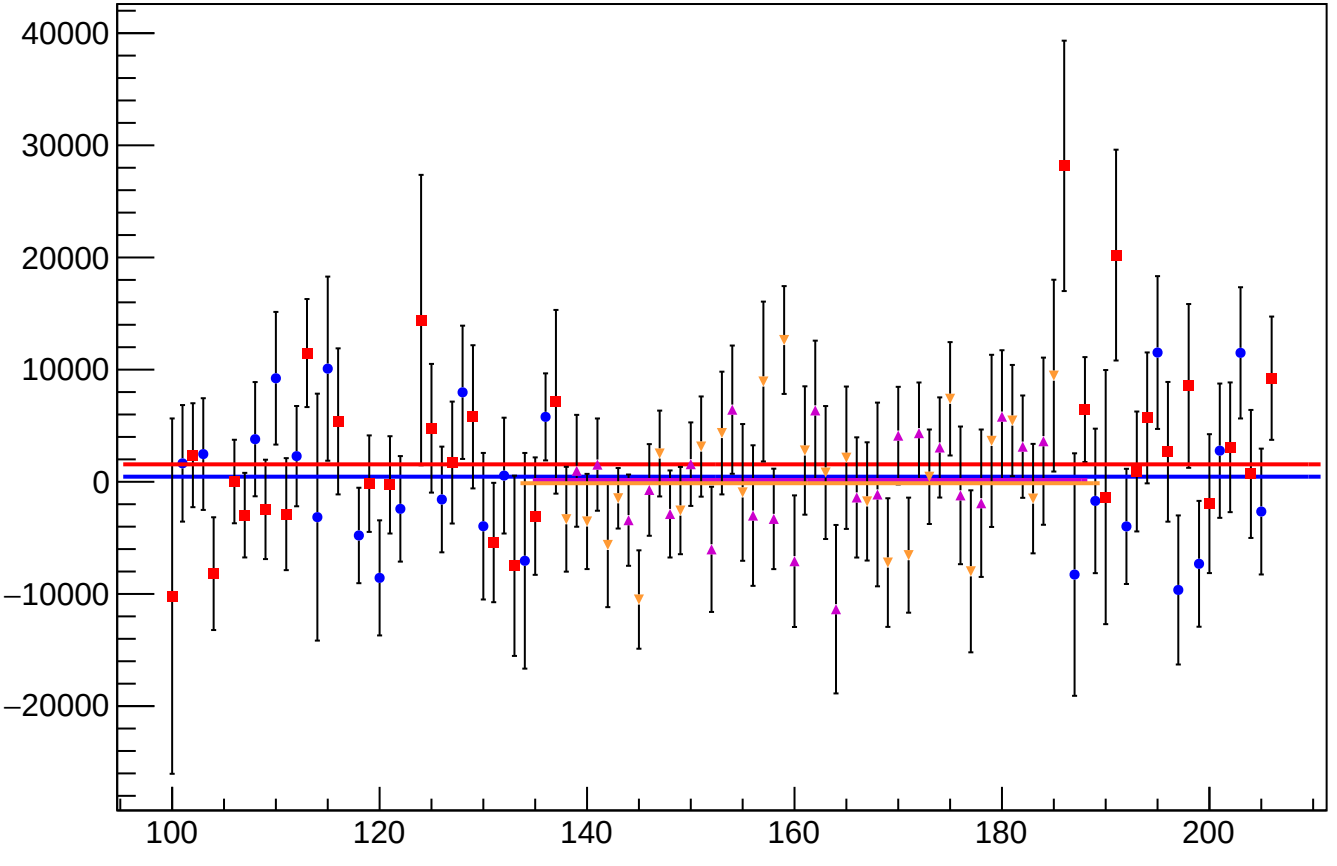
Right: 1300.868+/-0.169 χ^2/NDF: 894314.0/55

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

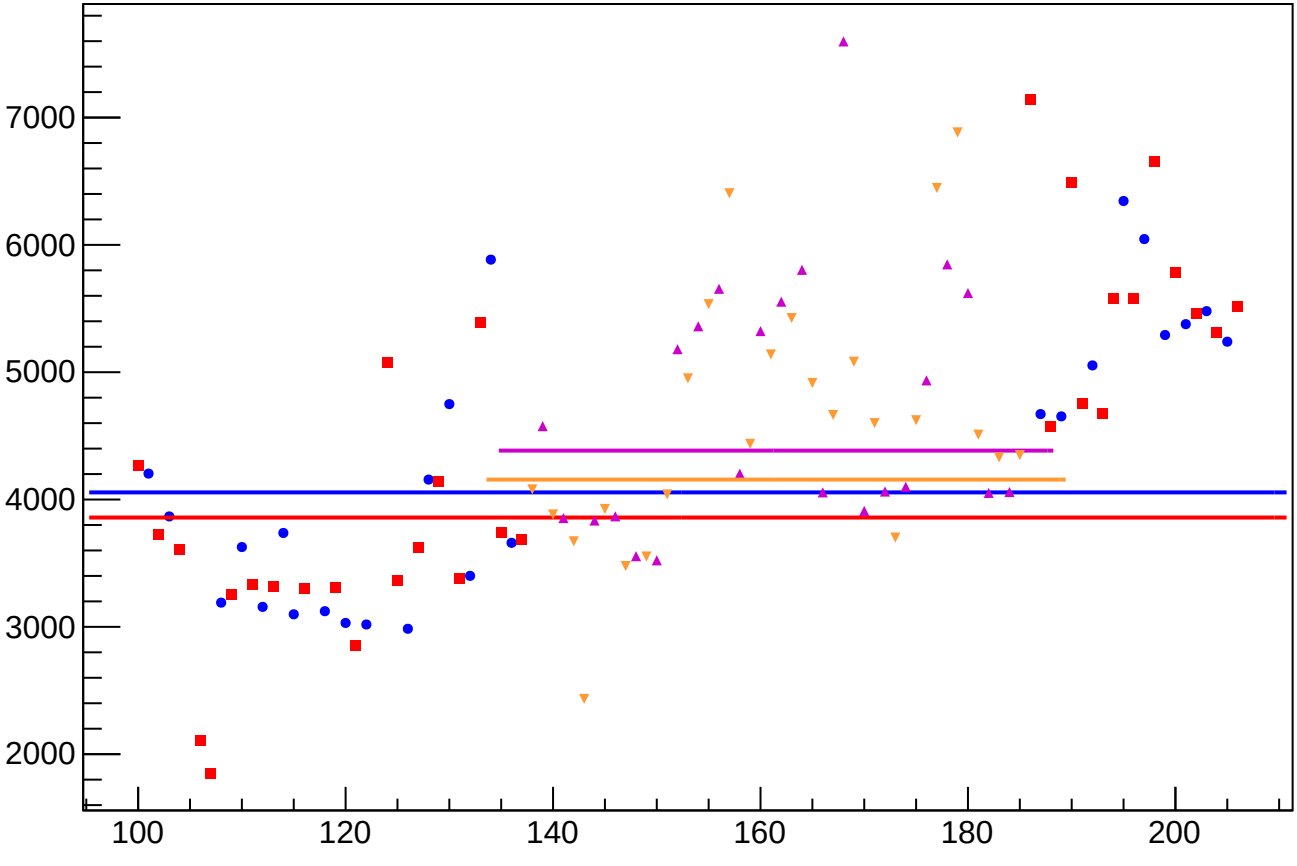
Right: 1065.177+/-745.574 χ^2/NDF: 60.2/55

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 512.853+/-515.647 χ^2/NDF: 103.7/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

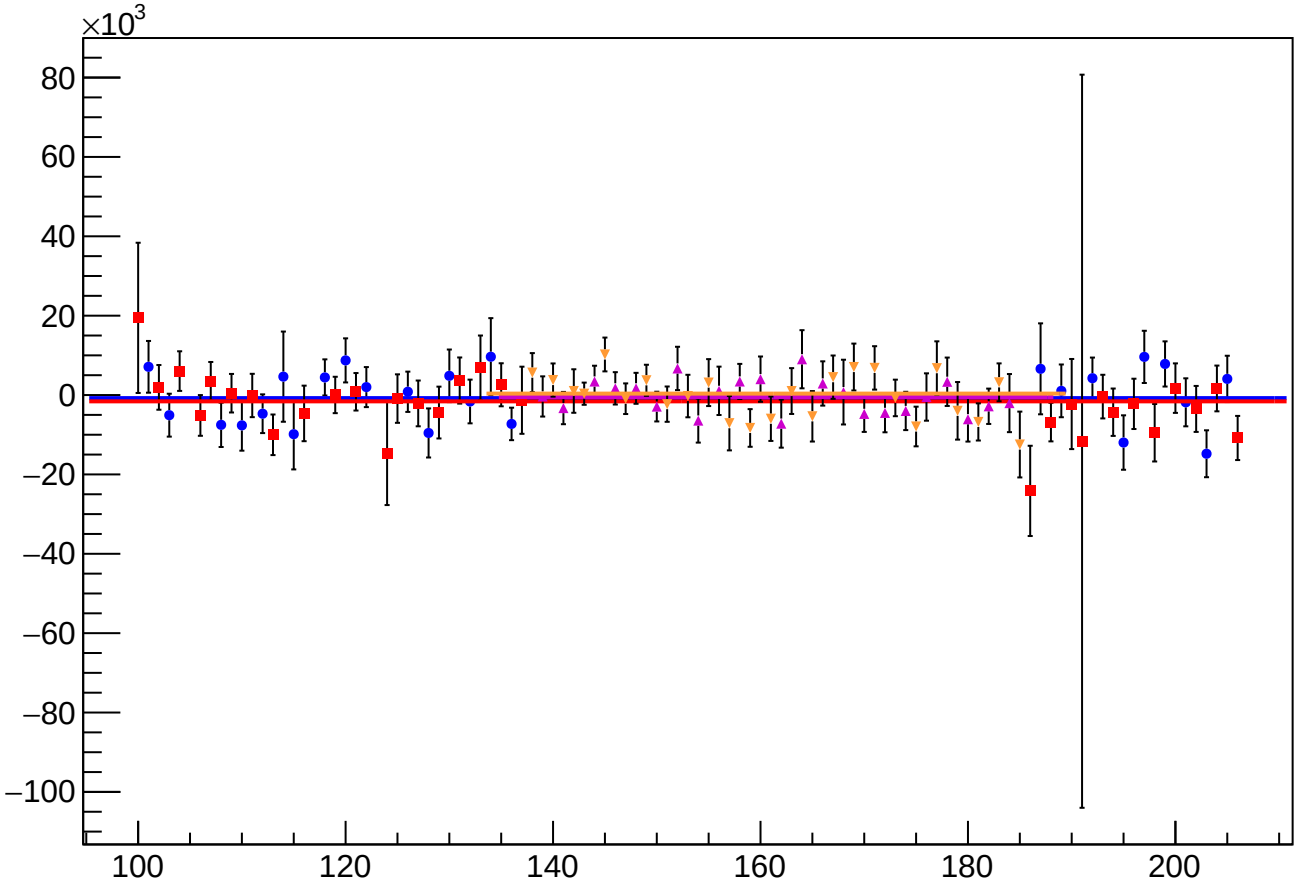
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3946.750+/-0.527 χ^2/NDF: 4706280.5/55

In: 4230.860+/-0.540 χ^2/NDF:2961475.1/47

Out: 4011.357+/-0.495 χ^2/NDF:5229230.8/55

All: 4111.614+/-0.365 χ^2/NDF: 8280631.4/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

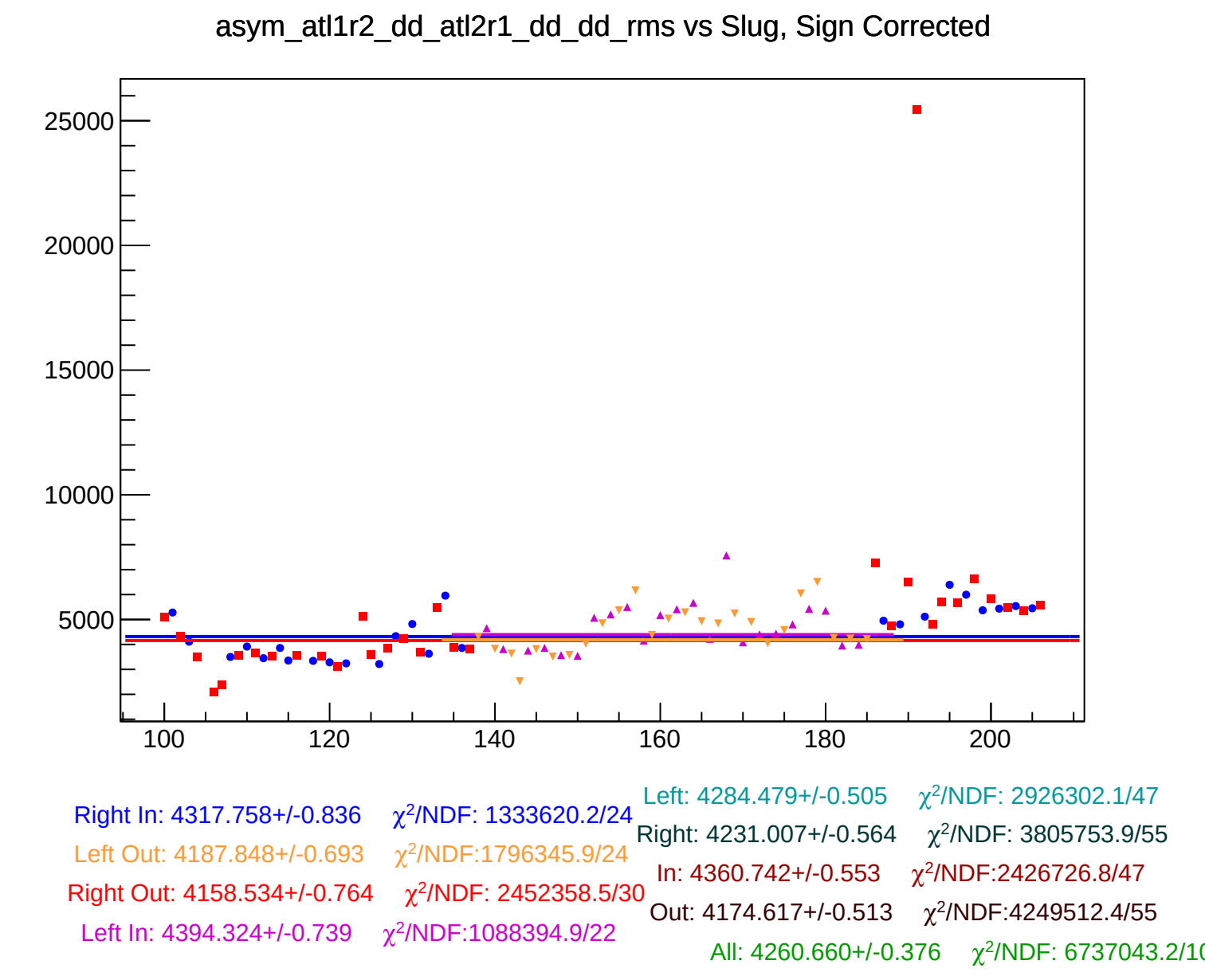
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1213.190+/-801.395 χ^2/NDF: 56.0/55

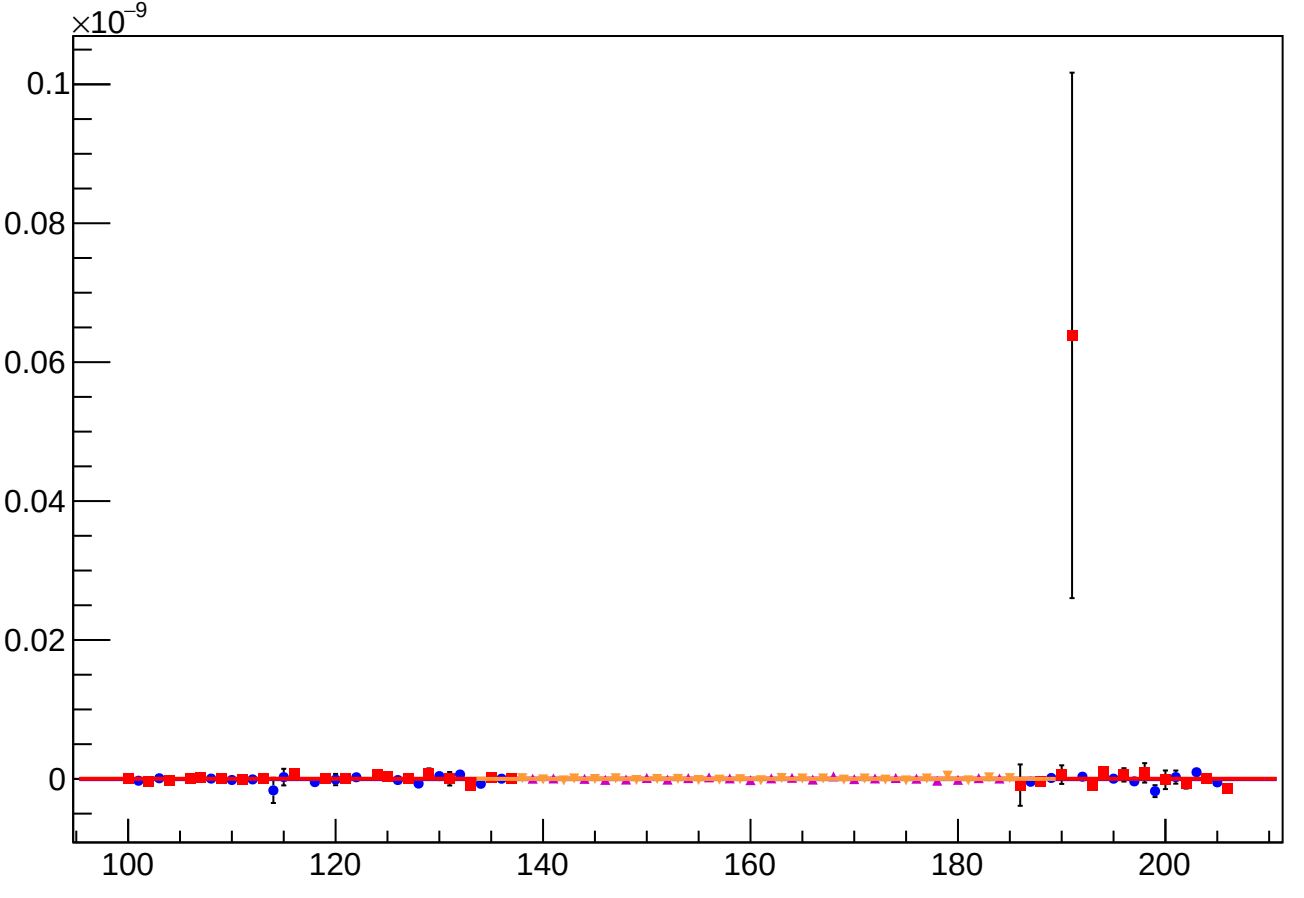
In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -559.708+/-533.393 χ^2/NDF: 99.0/103


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4317.758+/-0.836 χ²/NDF: 1333620.2/24
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4158.534+/-0.764 χ²/NDF: 2452358.5/30
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4231.007+/-0.564 χ²/NDF: 3805753.9/55
In: 4360.742+/-0.553 χ²/NDF:2426726.8/47
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4260.660+/-0.376 χ²/NDF: 6737043.2/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

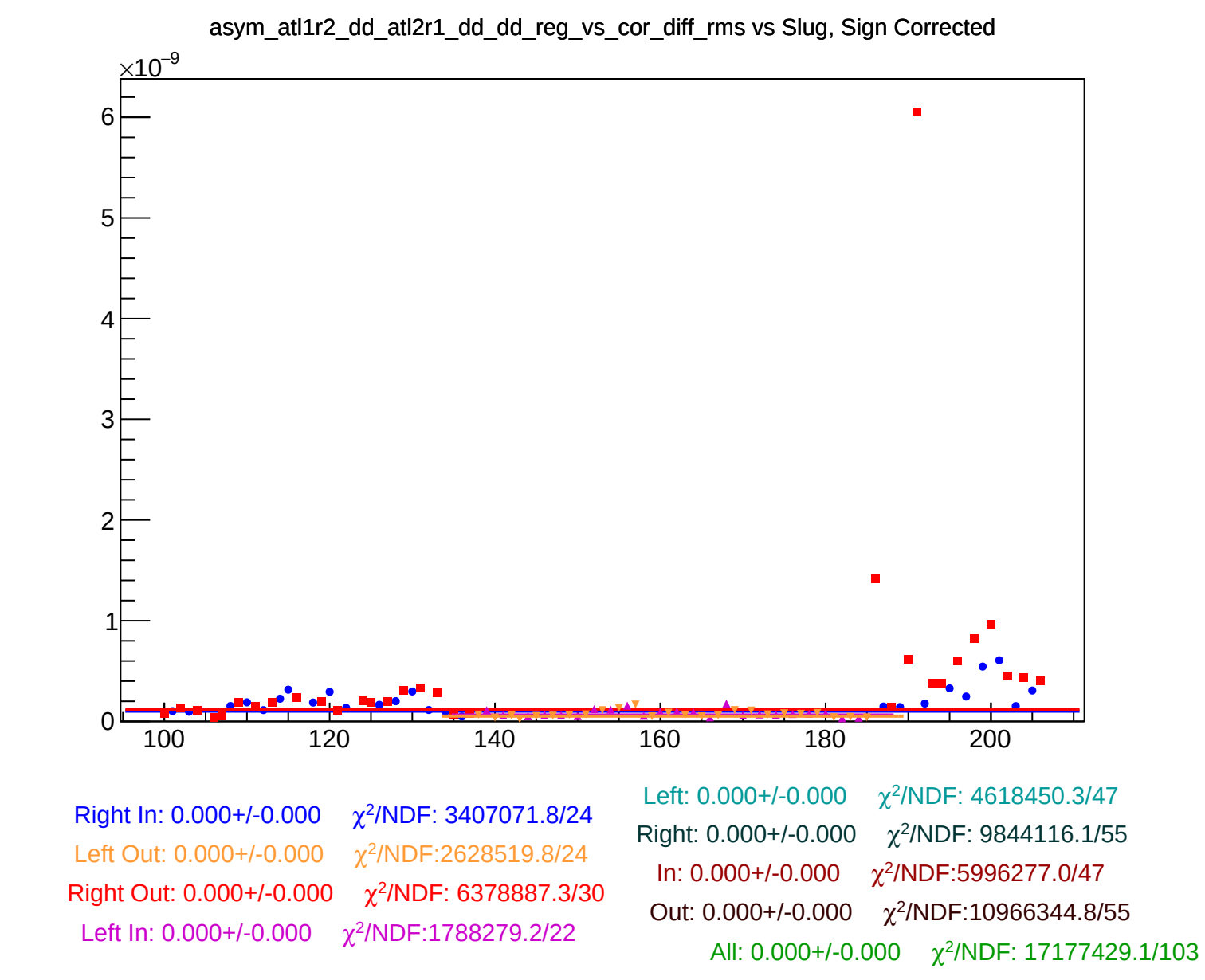
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 61.9/55

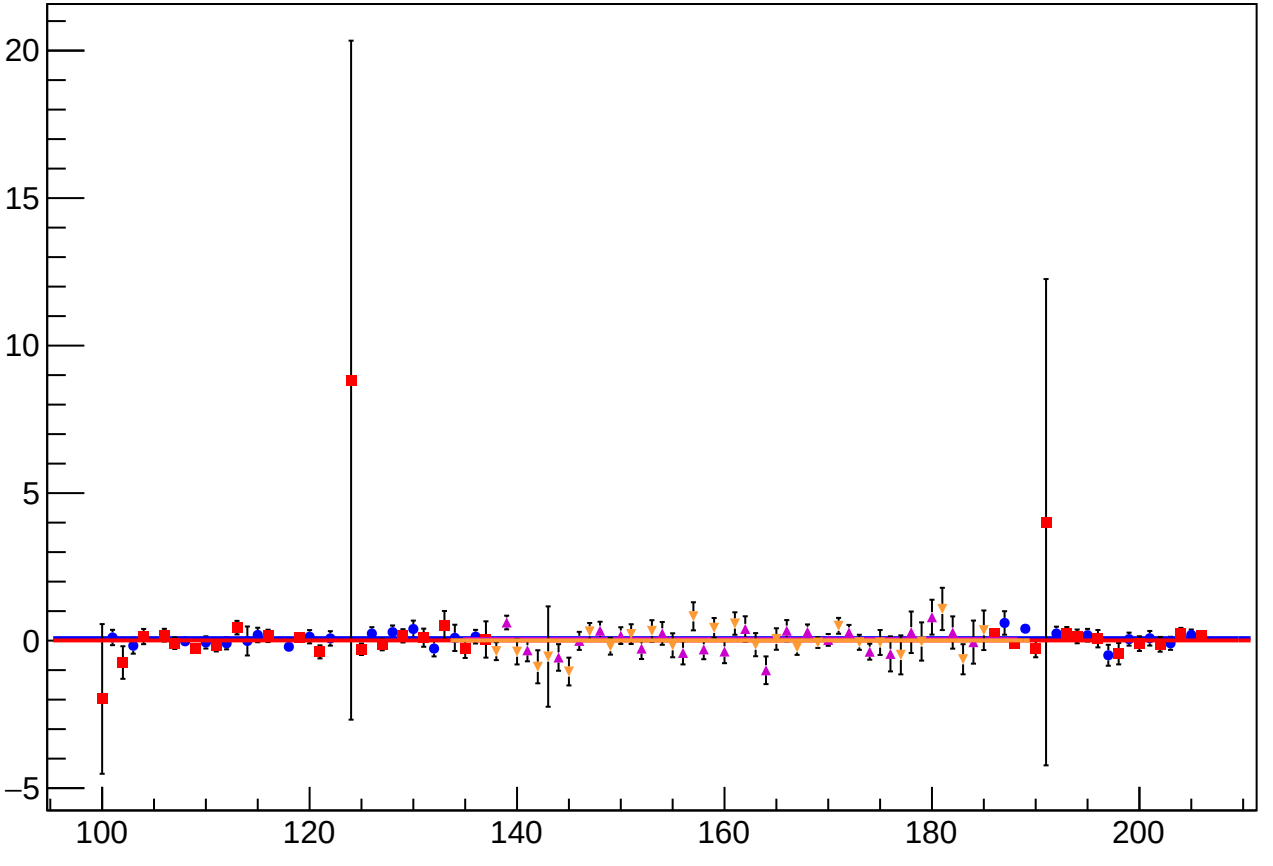
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 110.1/103


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 9844116.1/55
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17177429.1/103

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

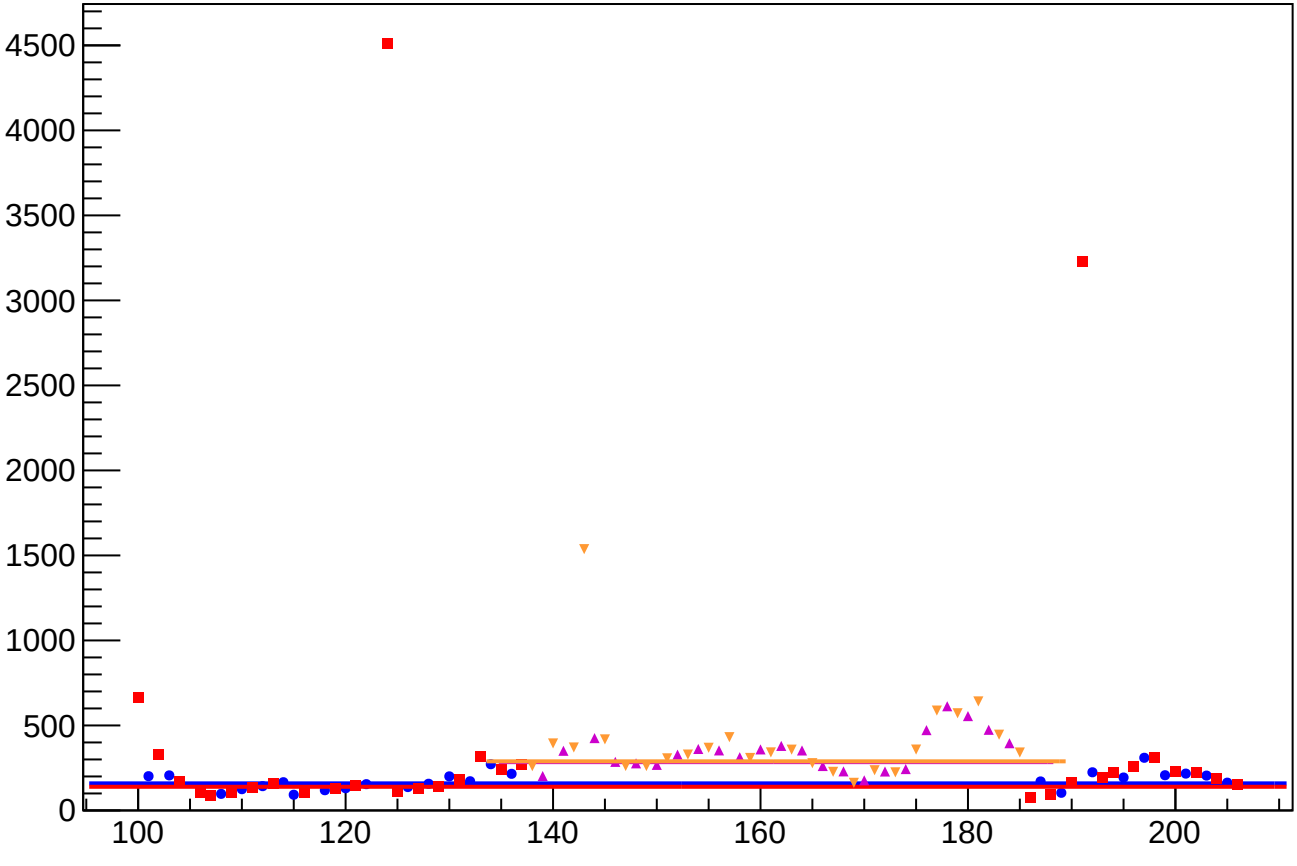
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

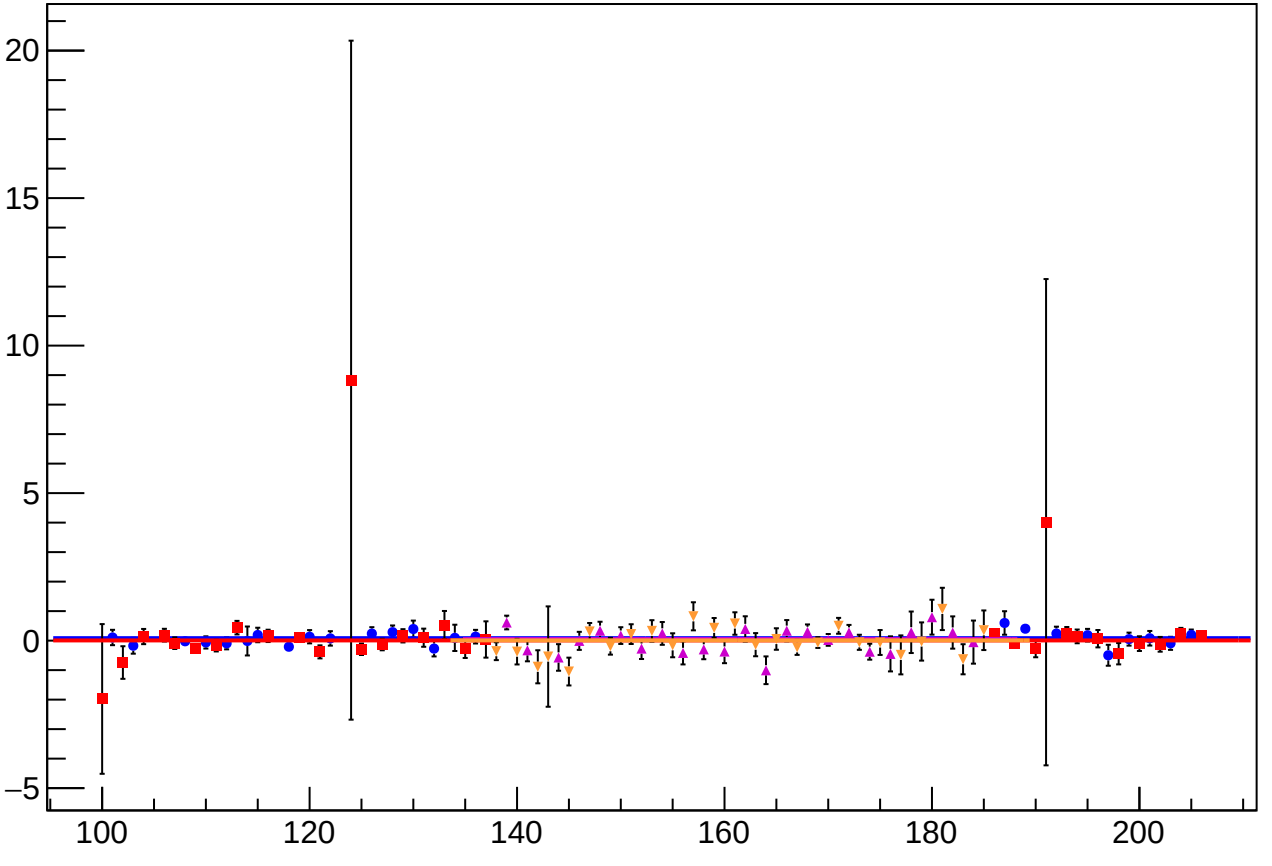
Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

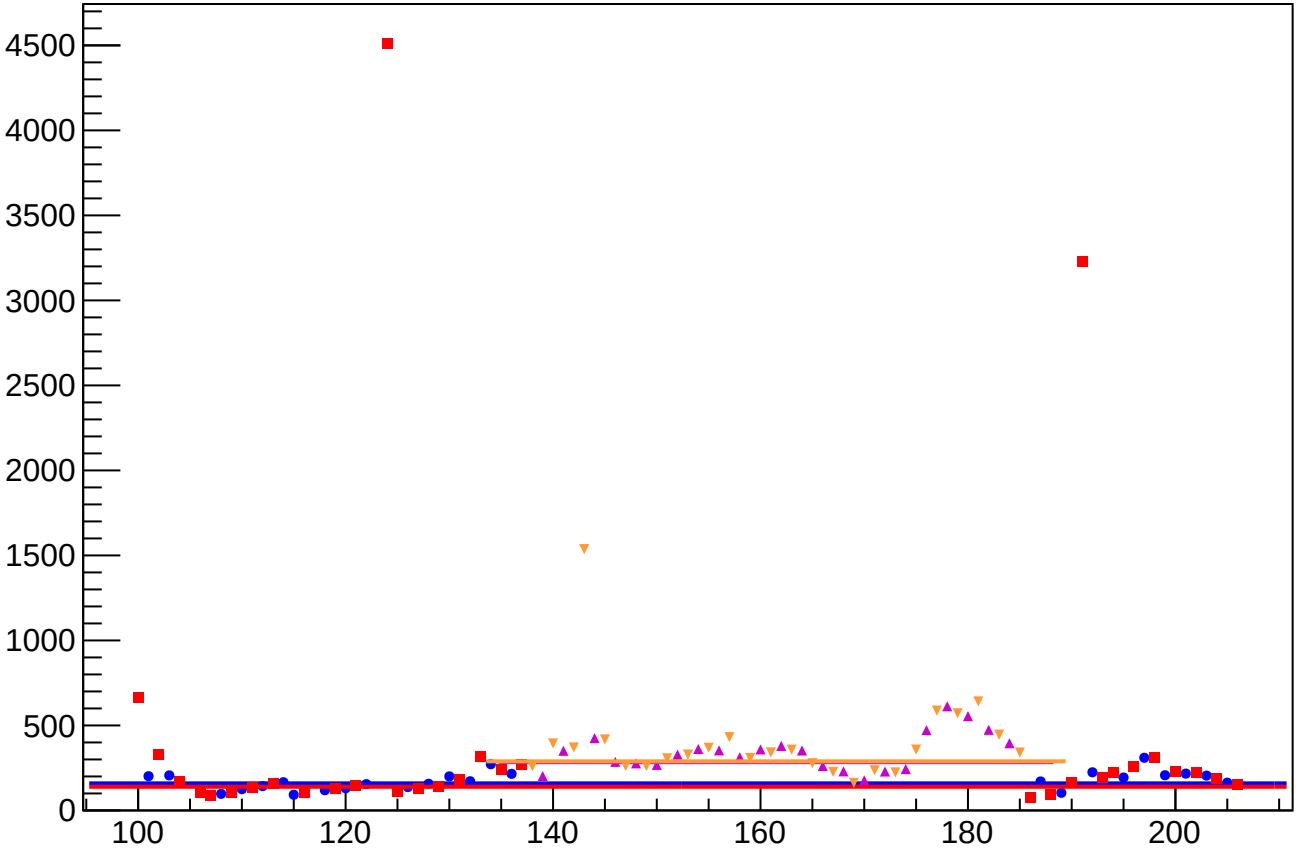
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

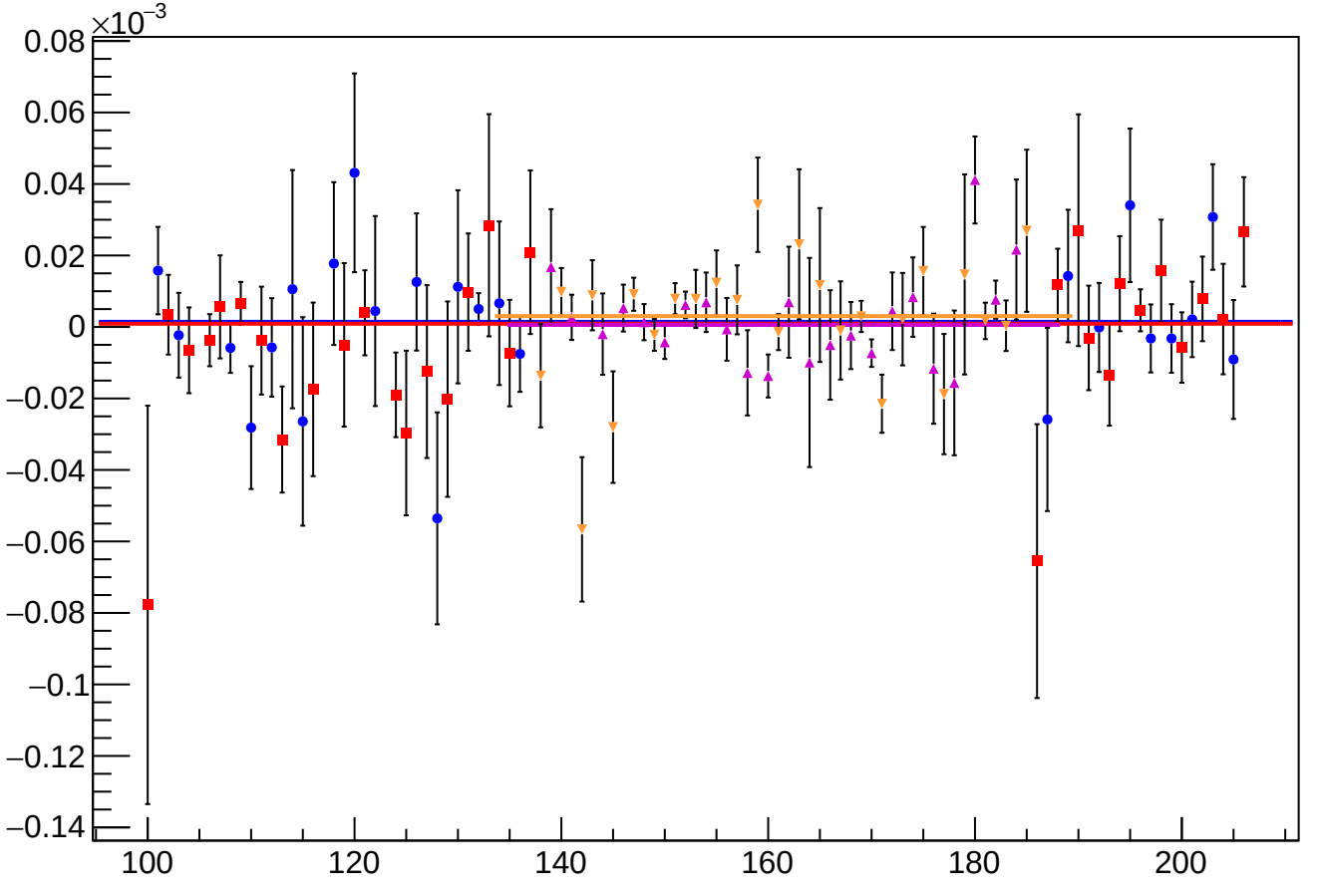
Right: 147.734+/-0.021 χ^2/NDF: 7118063.5/55

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

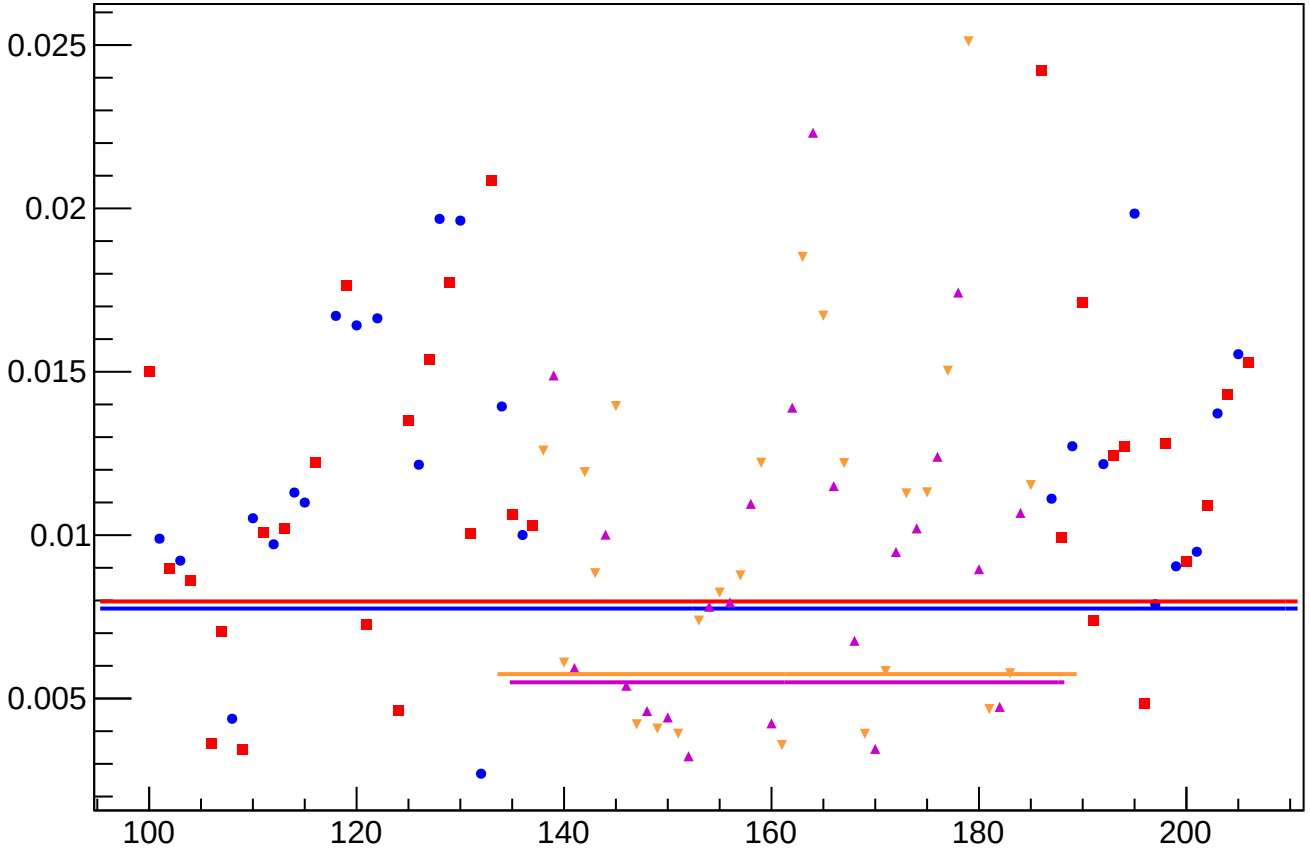
Right: 0.000+/-0.000 χ^2/NDF: 52.5/55

In: 0.000+/-0.000 χ^2/NDF:56.9/47

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.3/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

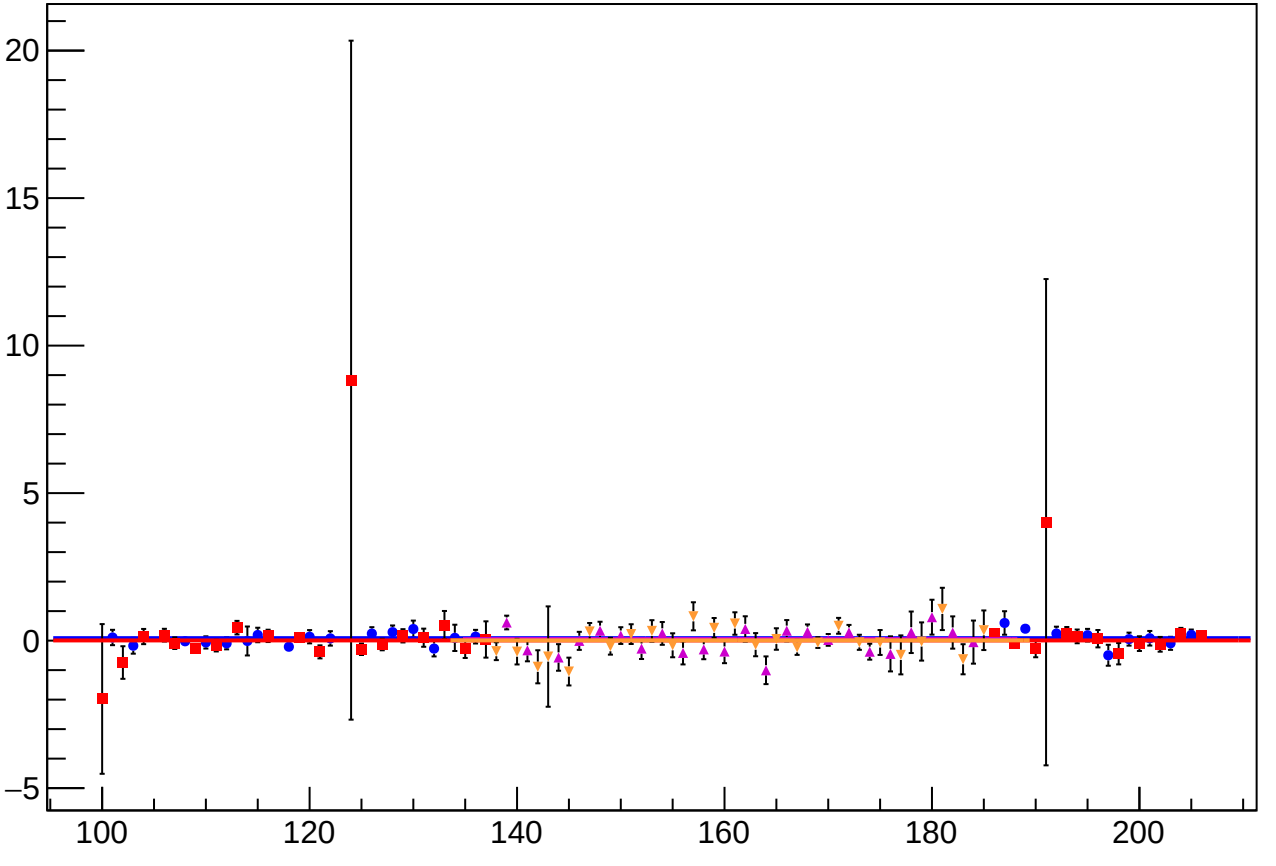
Right: 0.008+/-0.000 χ^2/NDF: 13434792.5/55

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

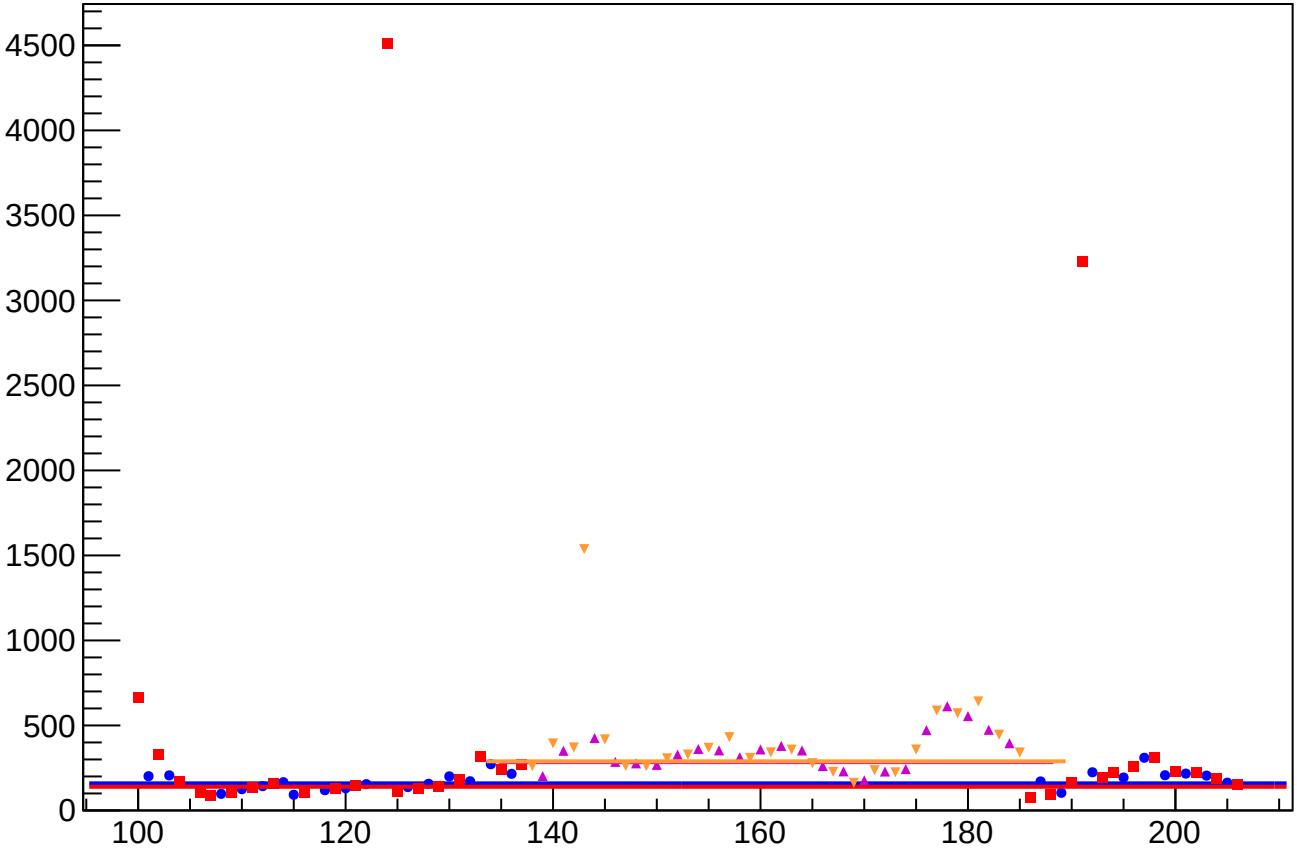
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

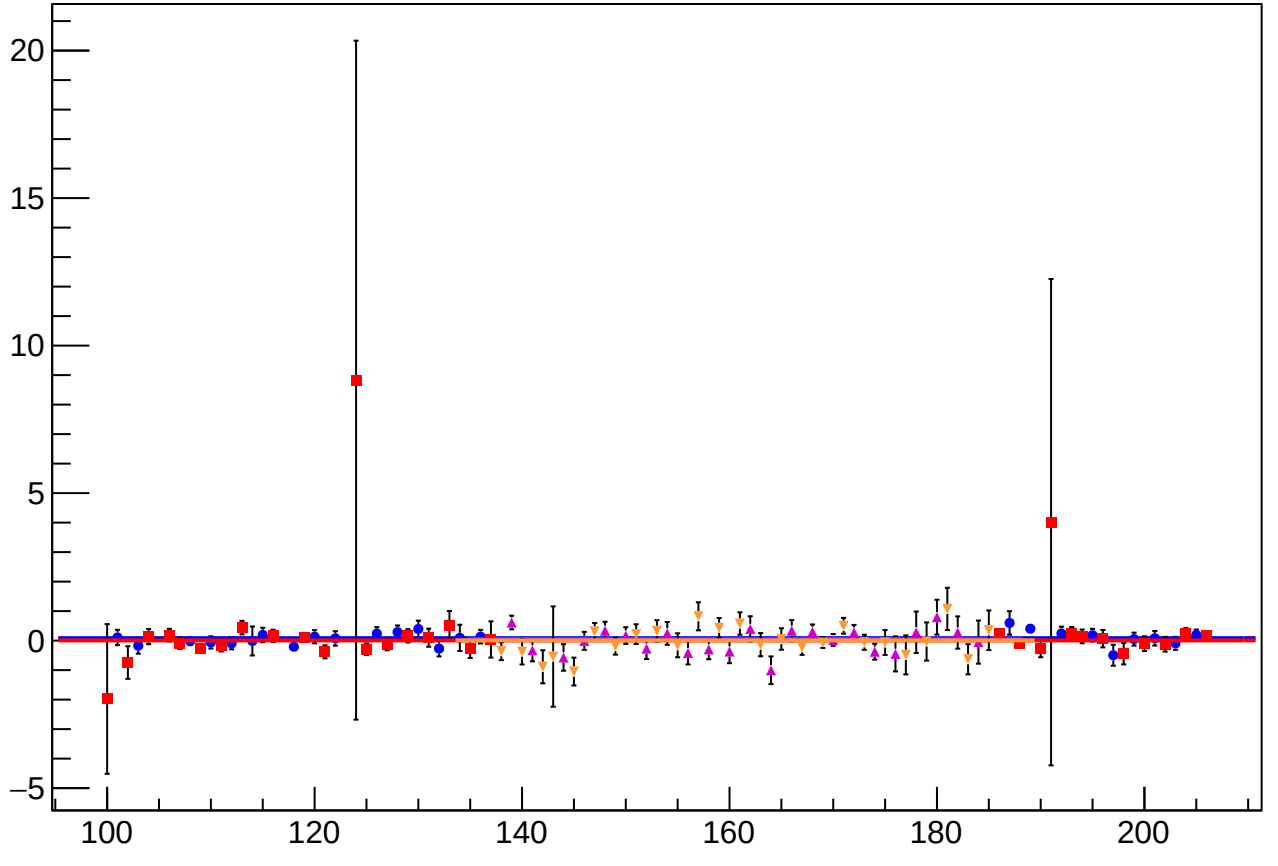
Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

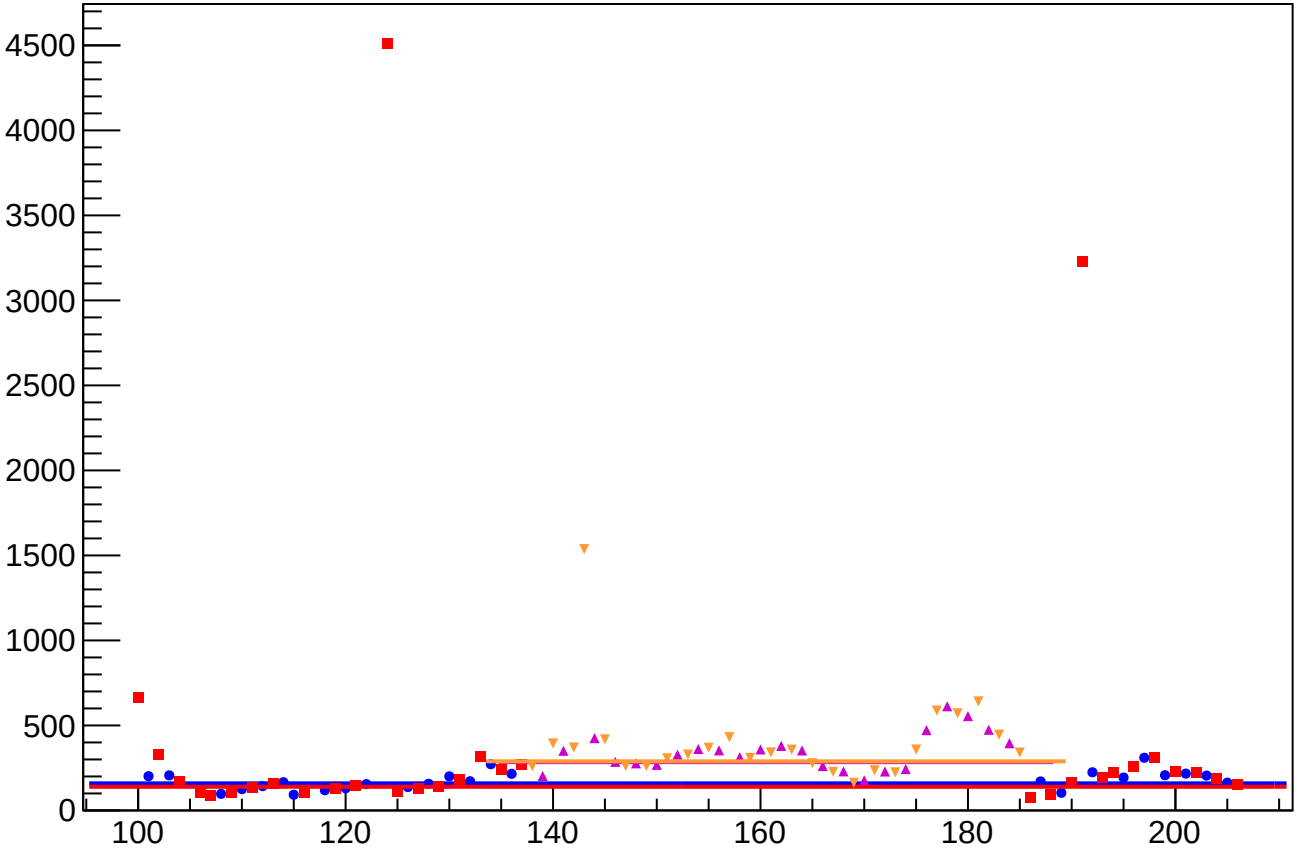
Right: 0.039+/-0.029 χ^2/NDF: 54.4/55

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.037+/-0.025 χ^2/NDF: 111.3/103

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

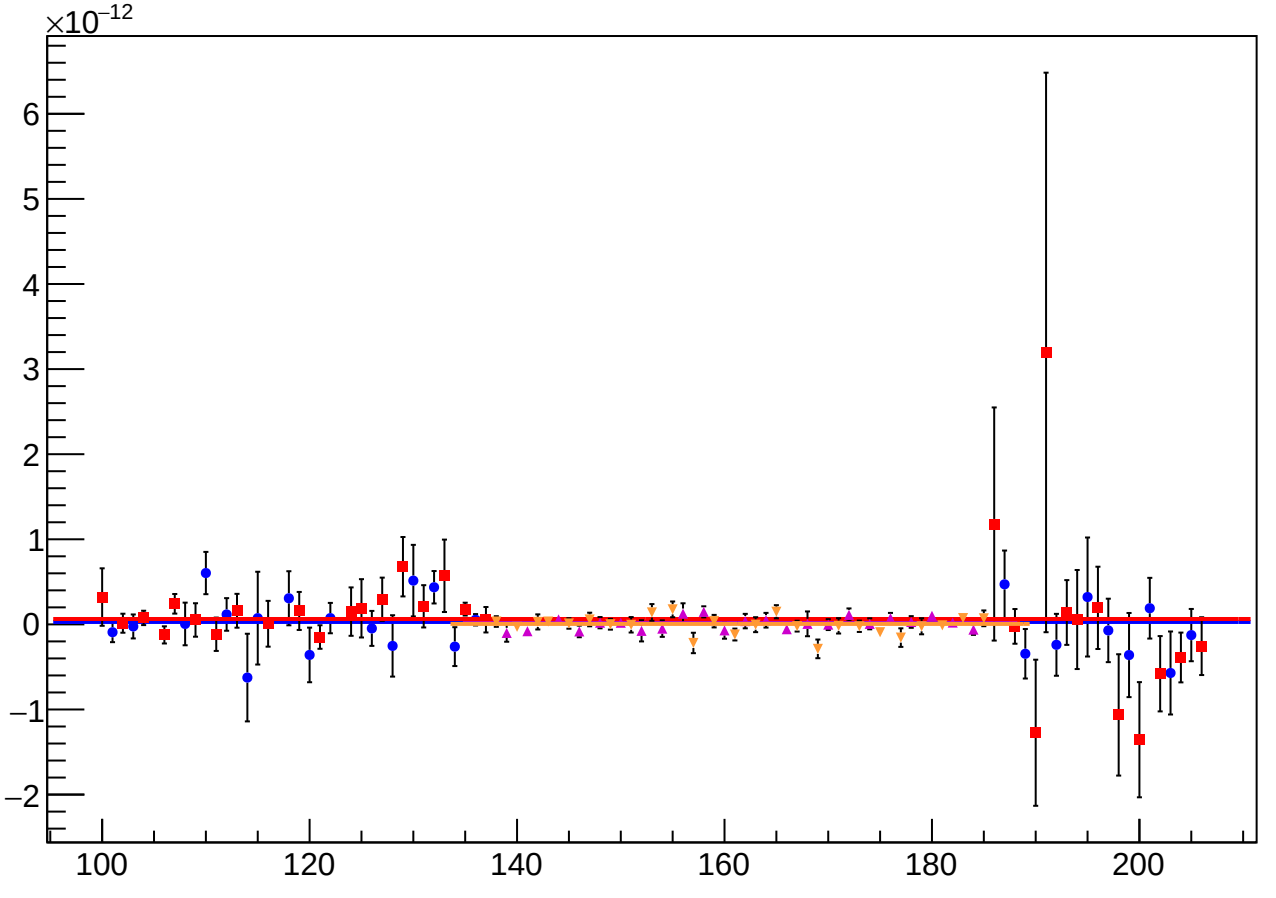
Right: 147.735+/-0.021 χ^2/NDF: 7117852.6/55

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

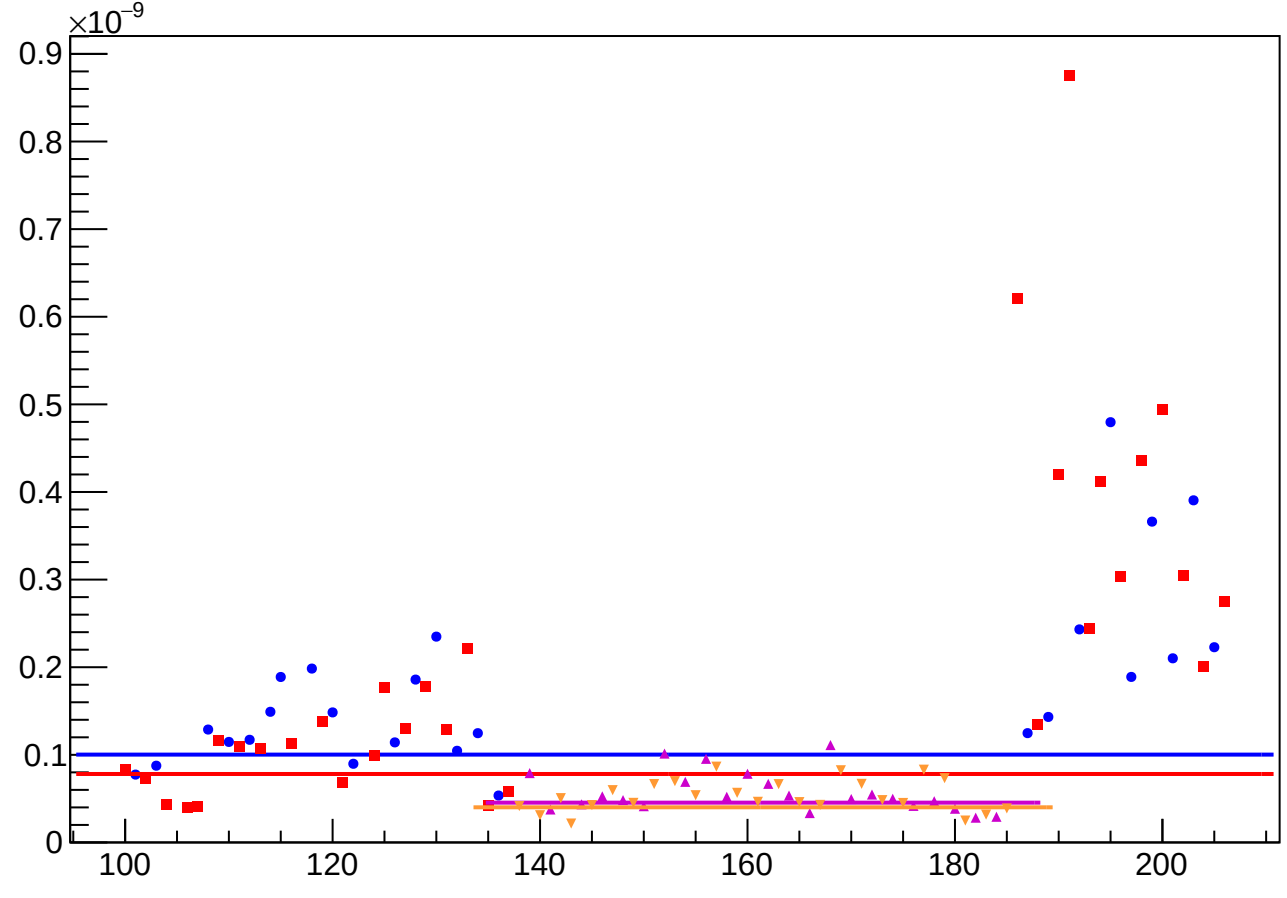
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 61.0/55

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

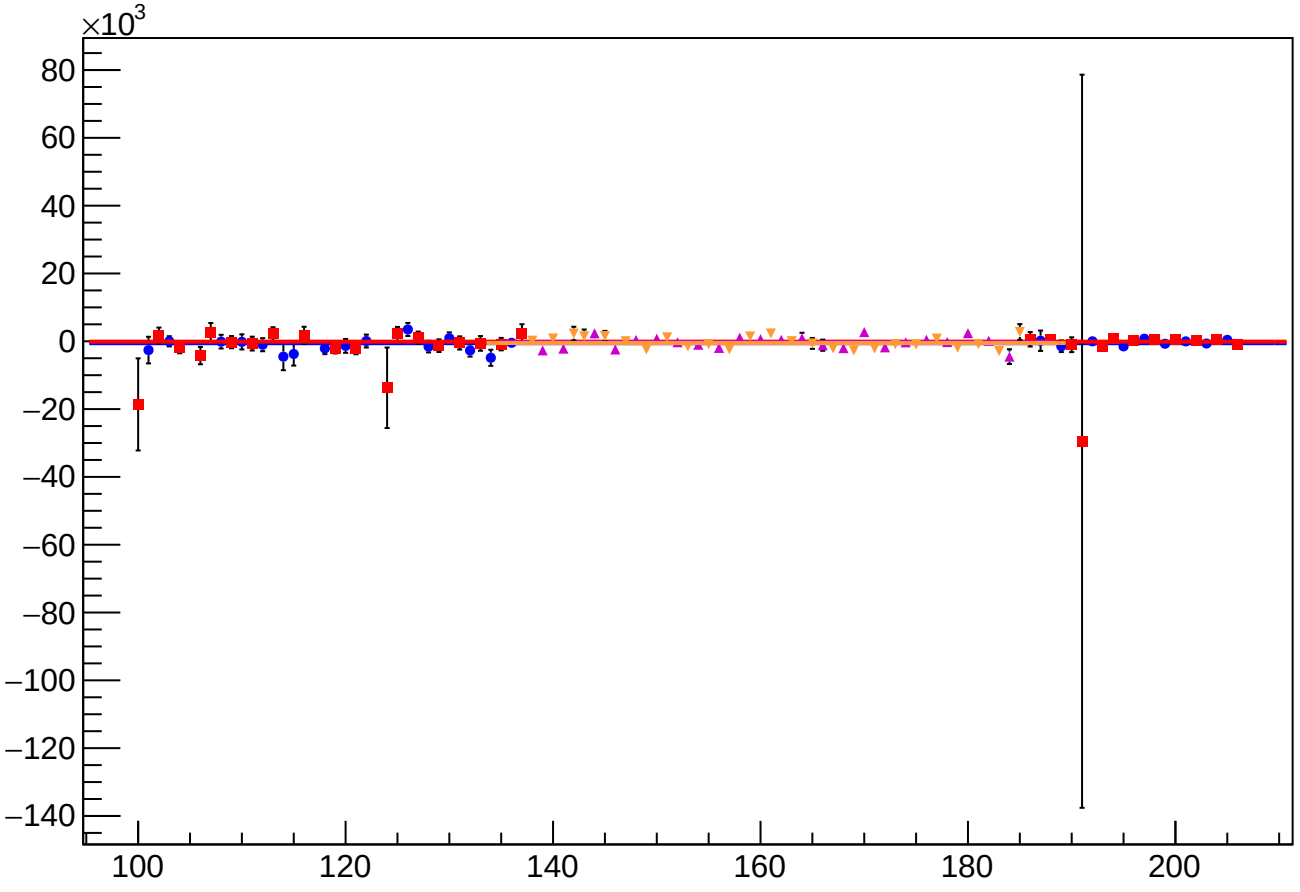
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12616606.6/55

In: 0.000+/-0.000 χ^2/NDF:10707213.1/47

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -106.976+/-322.543 χ^2/NDF: 19.6/30

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

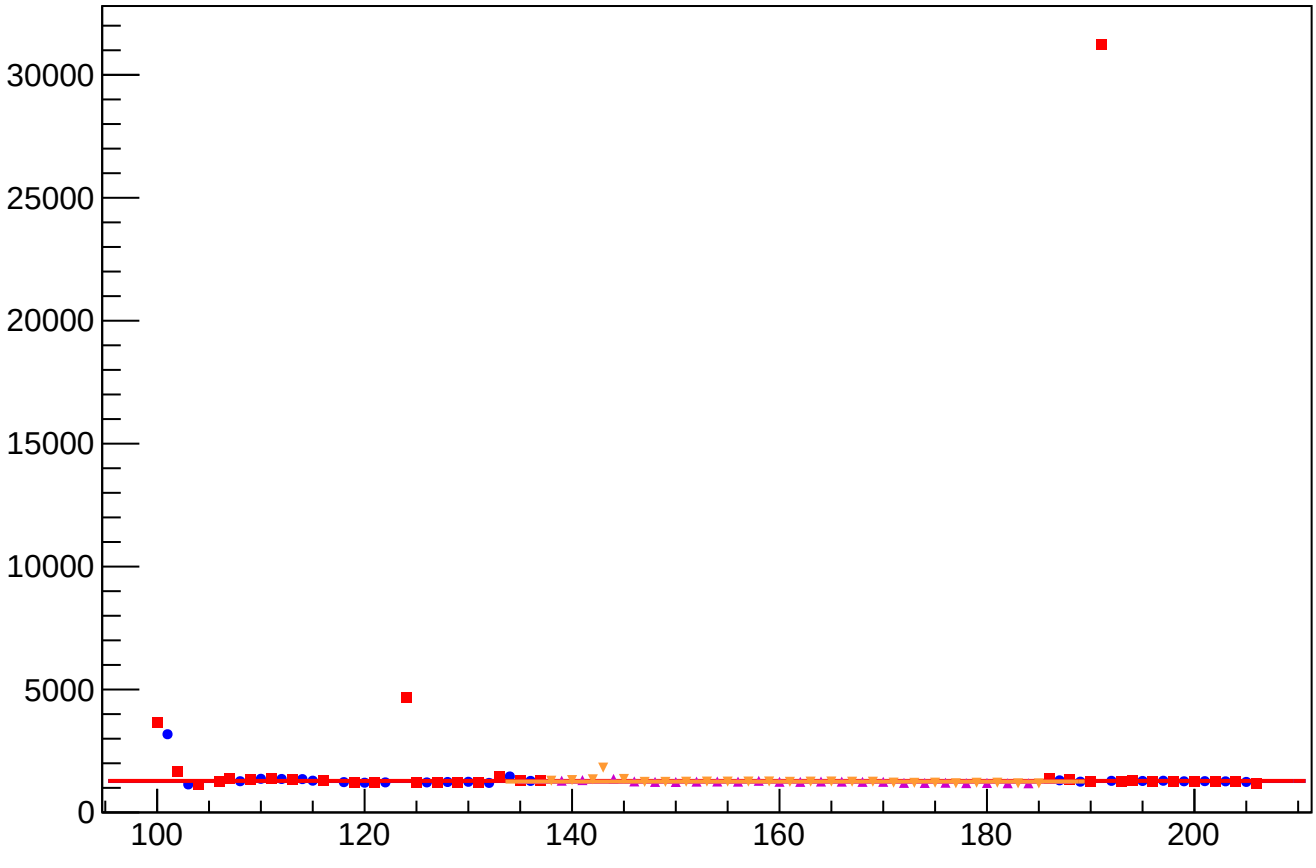
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -322.621+/-235.251 χ^2/NDF: 36.8/55

In: -378.414+/-222.209 χ^2/NDF:48.8/47

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -355.966+/-154.129 χ^2/NDF: 100.2/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

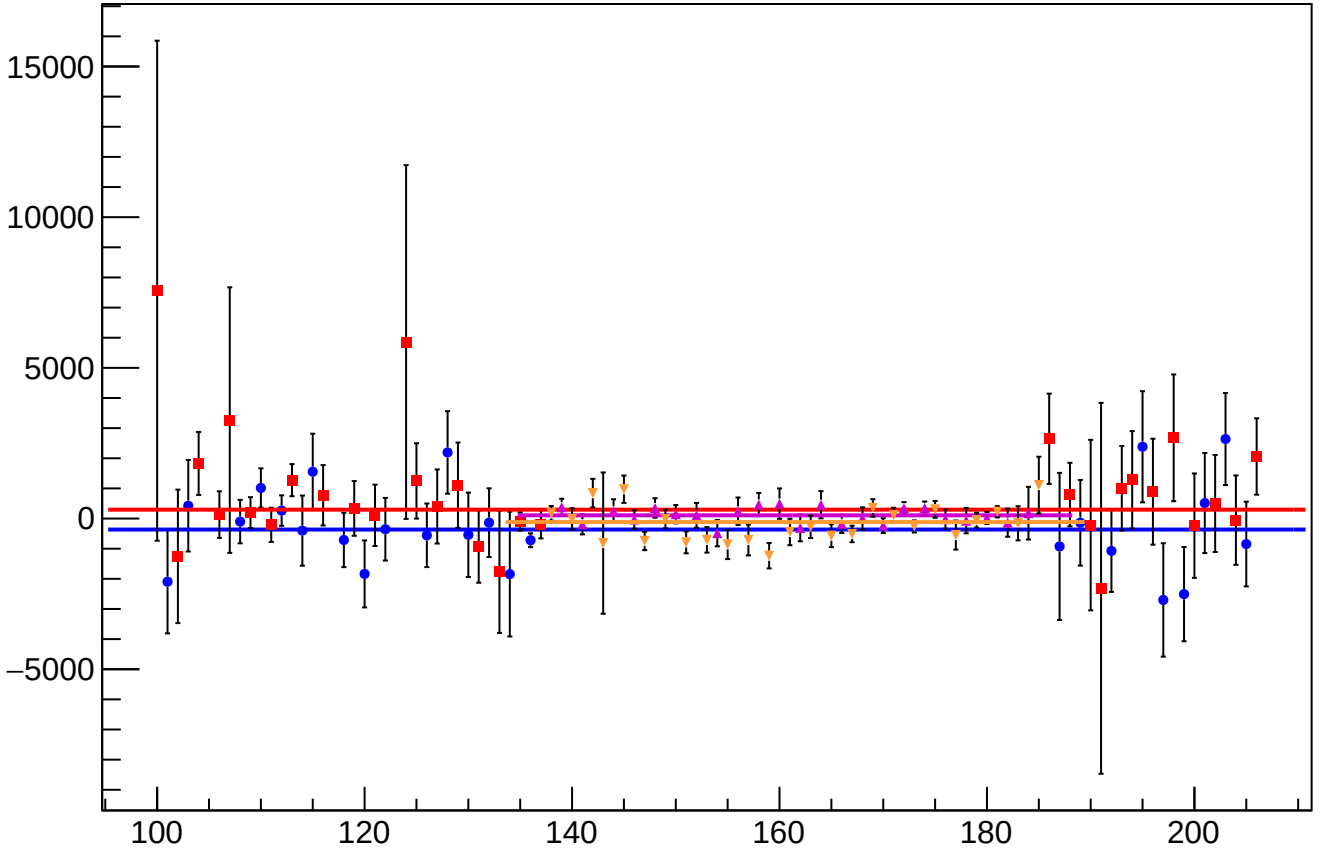
Right: 1281.025+/-0.166 χ^2/NDF: 1028744.7/55

In: 1259.804+/-0.157 χ^2/NDF:571391.0/47

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1263.898+/-0.109 χ^2/NDF: 1291305.9/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 294.835+/-159.092 χ^2/NDF: 22.1/30

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

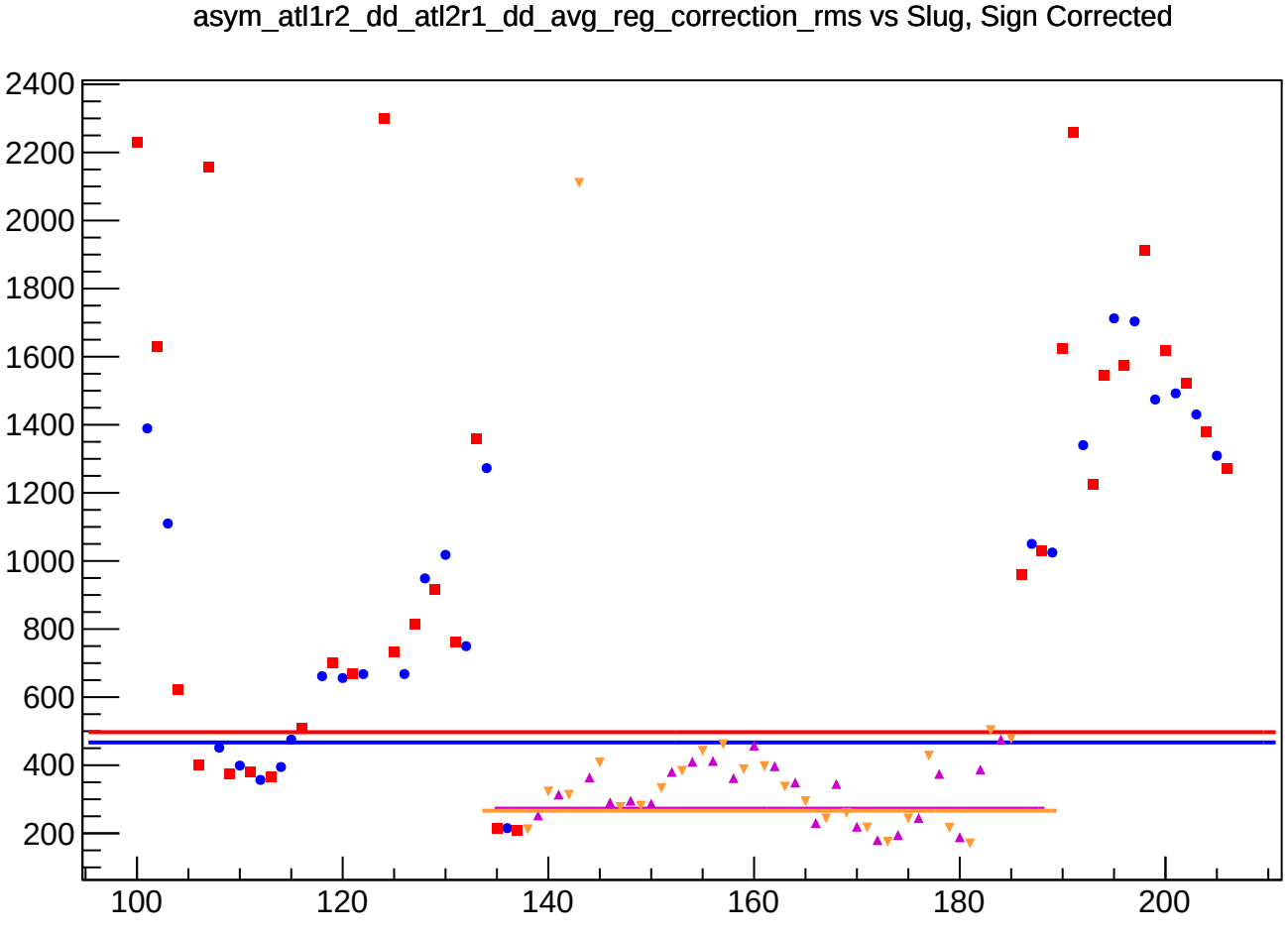
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

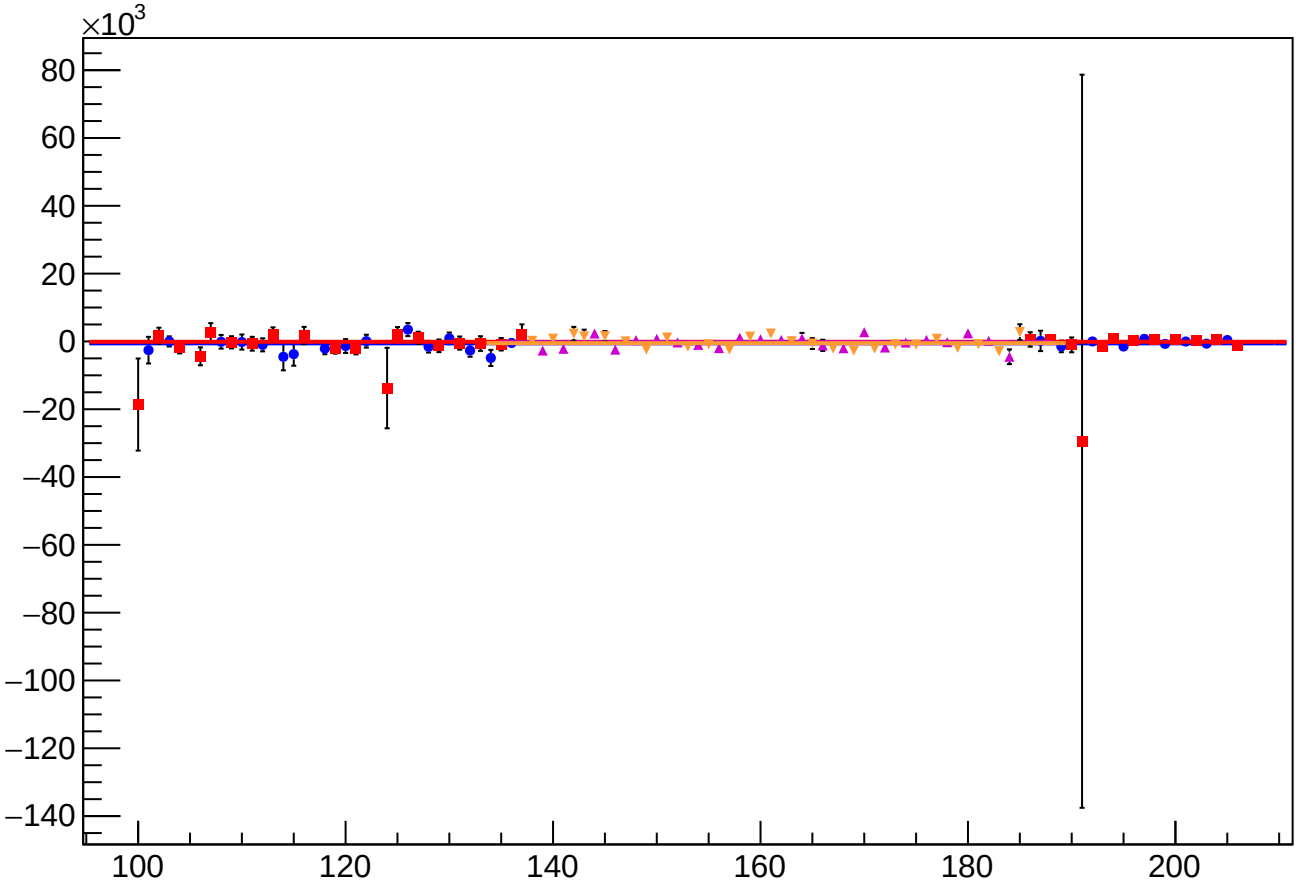
Right: -32.082+/-112.982 χ^2/NDF: 59.0/55

In: 37.269+/-61.828 χ^2/NDF:49.5/47

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -11.632+/-43.139 χ^2/NDF: 127.0/103


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 466.957+/-0.113 χ²/NDF: 10890119.7/24
Left Out: 266.321+/-0.046 χ²/NDF:4630130.4/24
Right Out: 497.098+/-0.112 χ²/NDF: 12280216.6/30
Left In: 272.368+/-0.047 χ²/NDF:2887823.5/22
Left: 269.255+/-0.033 χ²/NDF: 7526339.3/47
Right: 482.159+/-0.080 χ²/NDF: 23205918.7/55
In: 301.252+/-0.044 χ²/NDF:16282056.1/47
Out: 299.385+/-0.043 χ²/NDF:20515826.8/55
All: 300.294+/-0.031 χ²/NDF: 36798819.6/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

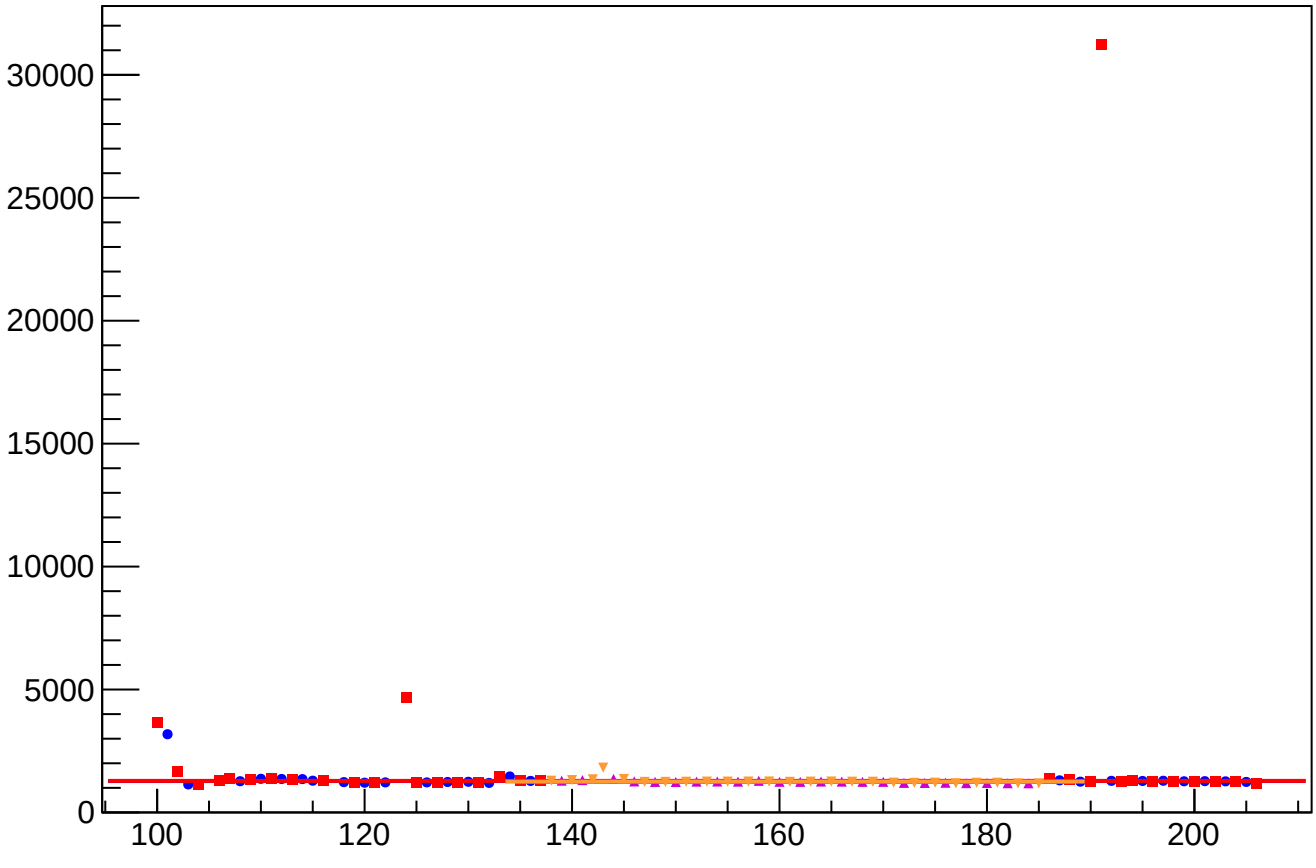
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -321.914+/-235.311 χ^2/NDF: 36.8/55

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -355.648+/-154.146 χ^2/NDF: 100.3/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

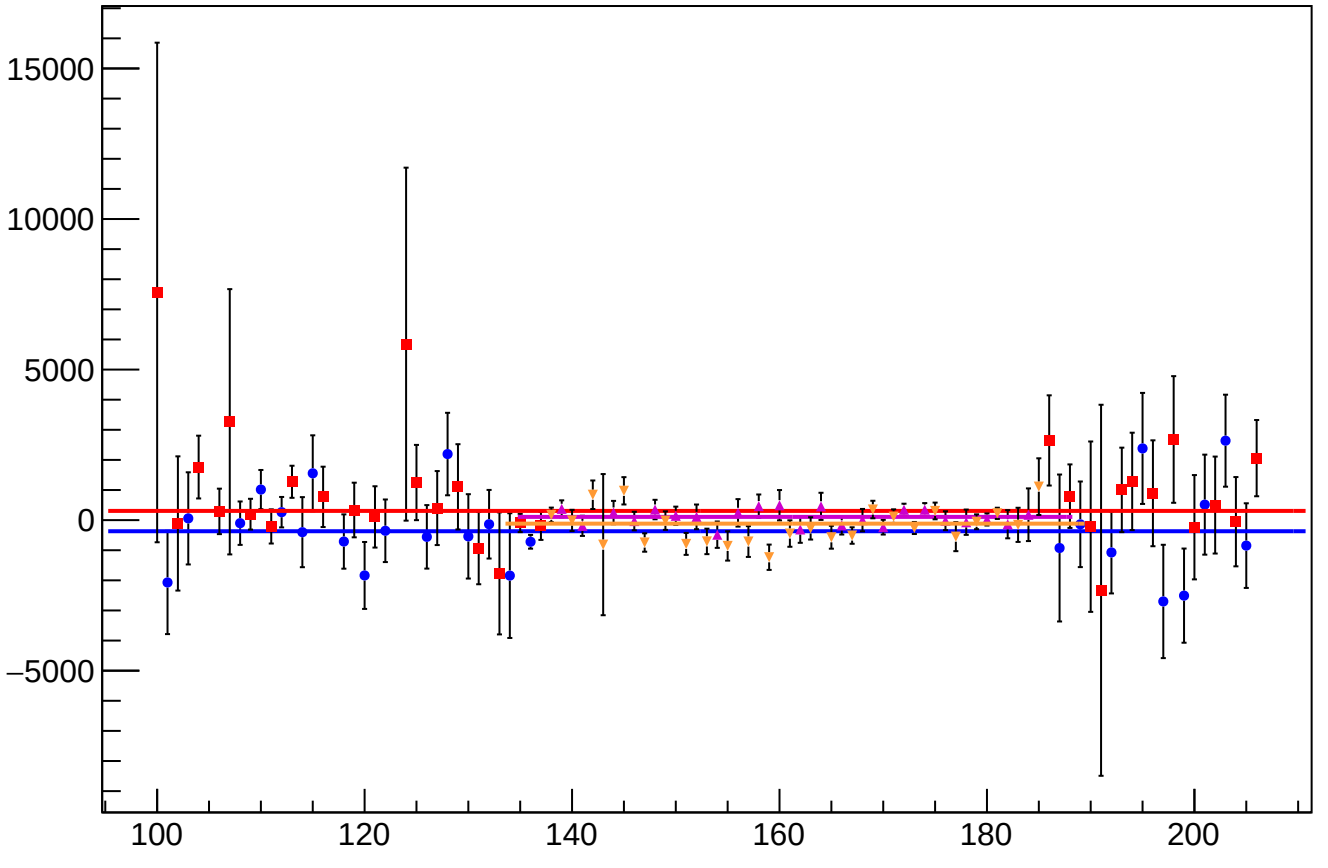
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1281.357+/-0.166 χ^2/NDF: 1028793.7/55

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

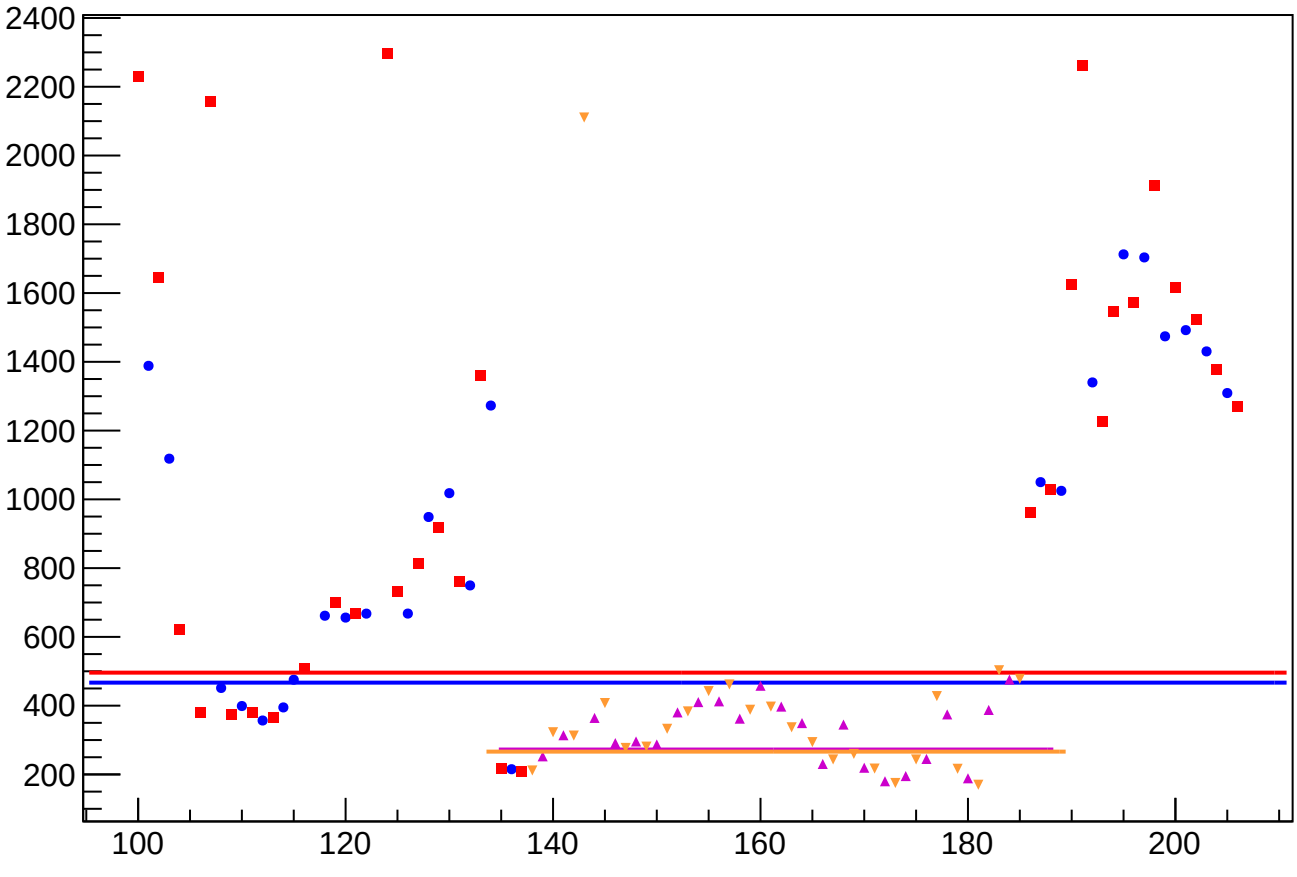
Right: -27.958+/-112.929 χ^2/NDF: 58.5/55

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -10.974+/-43.137 χ^2/NDF: 126.5/103

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

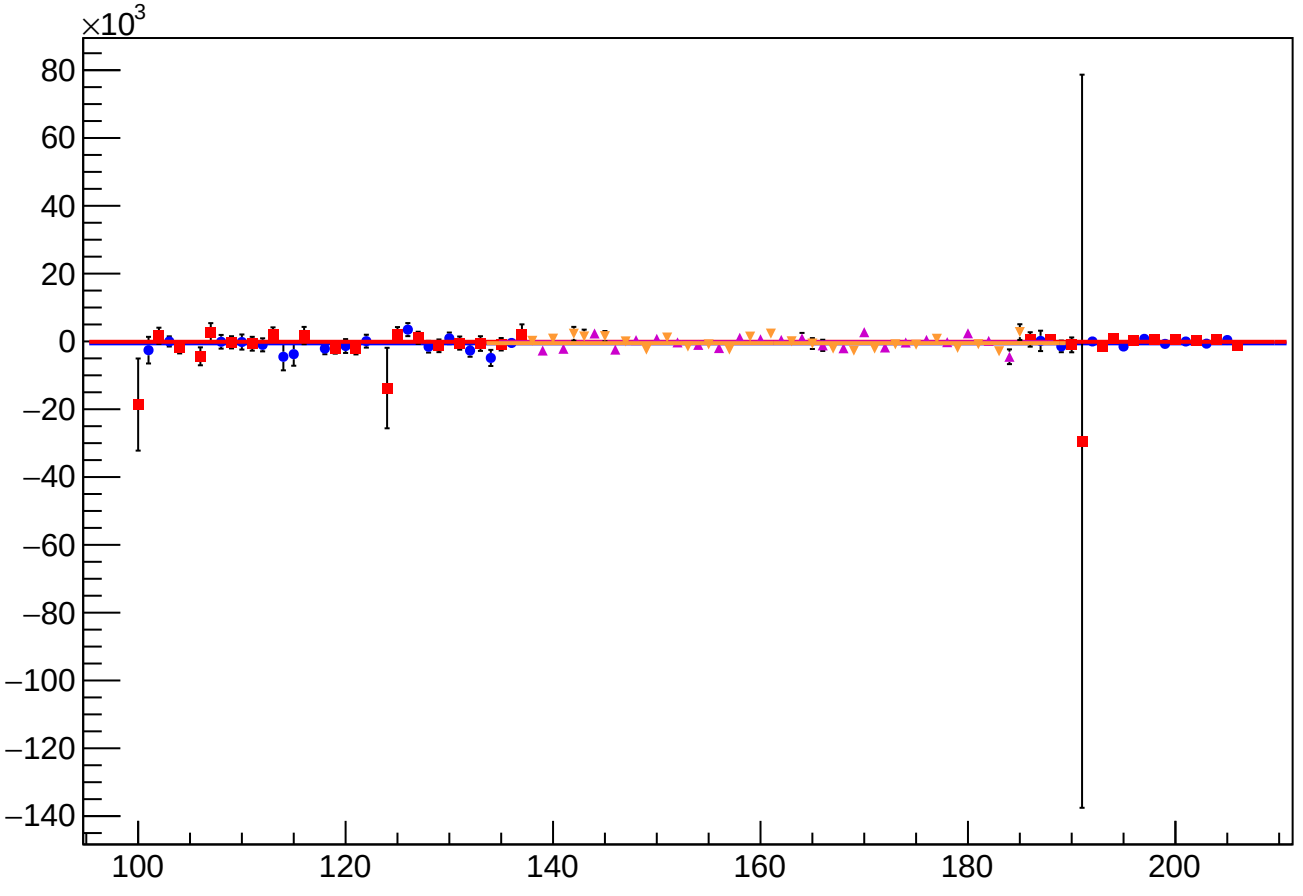
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 481.646+/-0.080 χ^2/NDF: 23229190.5/55

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

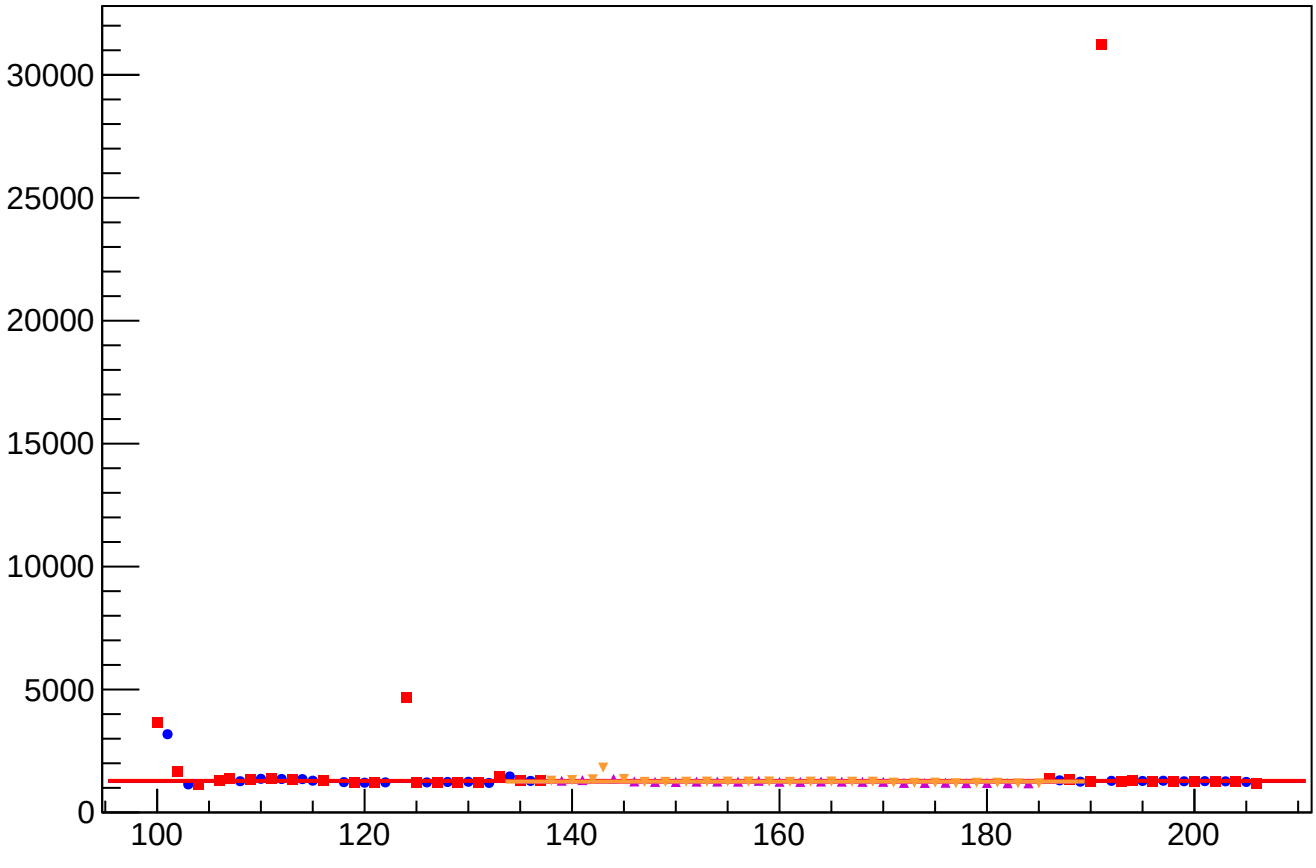
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -321.914+/-235.311 χ^2/NDF: 36.8/55

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -355.648+/-154.146 χ^2/NDF: 100.3/103



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

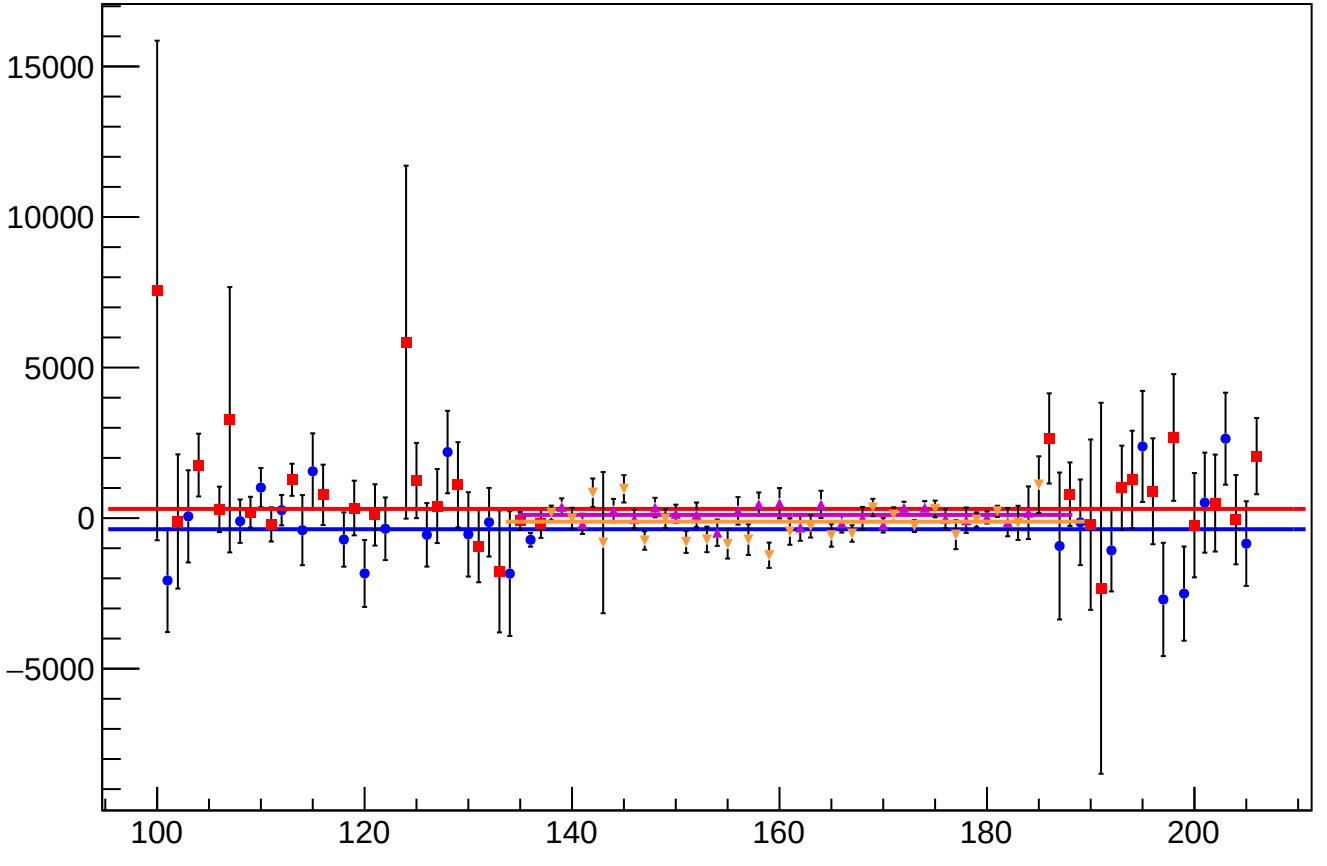
Right: 1281.357+/-0.166 χ^2/NDF: 1028793.7/55

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

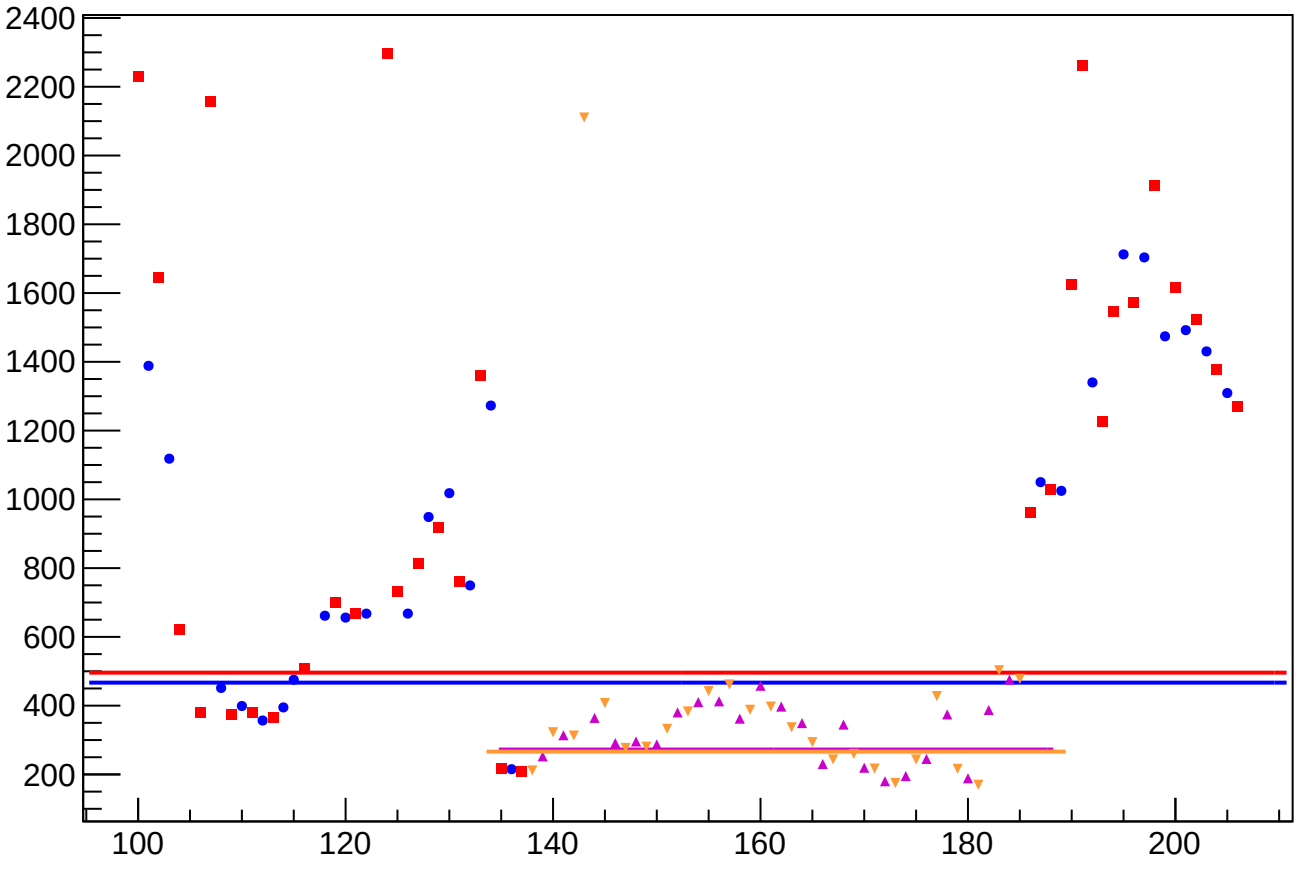
Right: -27.958+/-112.929 χ^2/NDF: 58.5/55

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -10.974+/-43.137 χ^2/NDF: 126.5/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

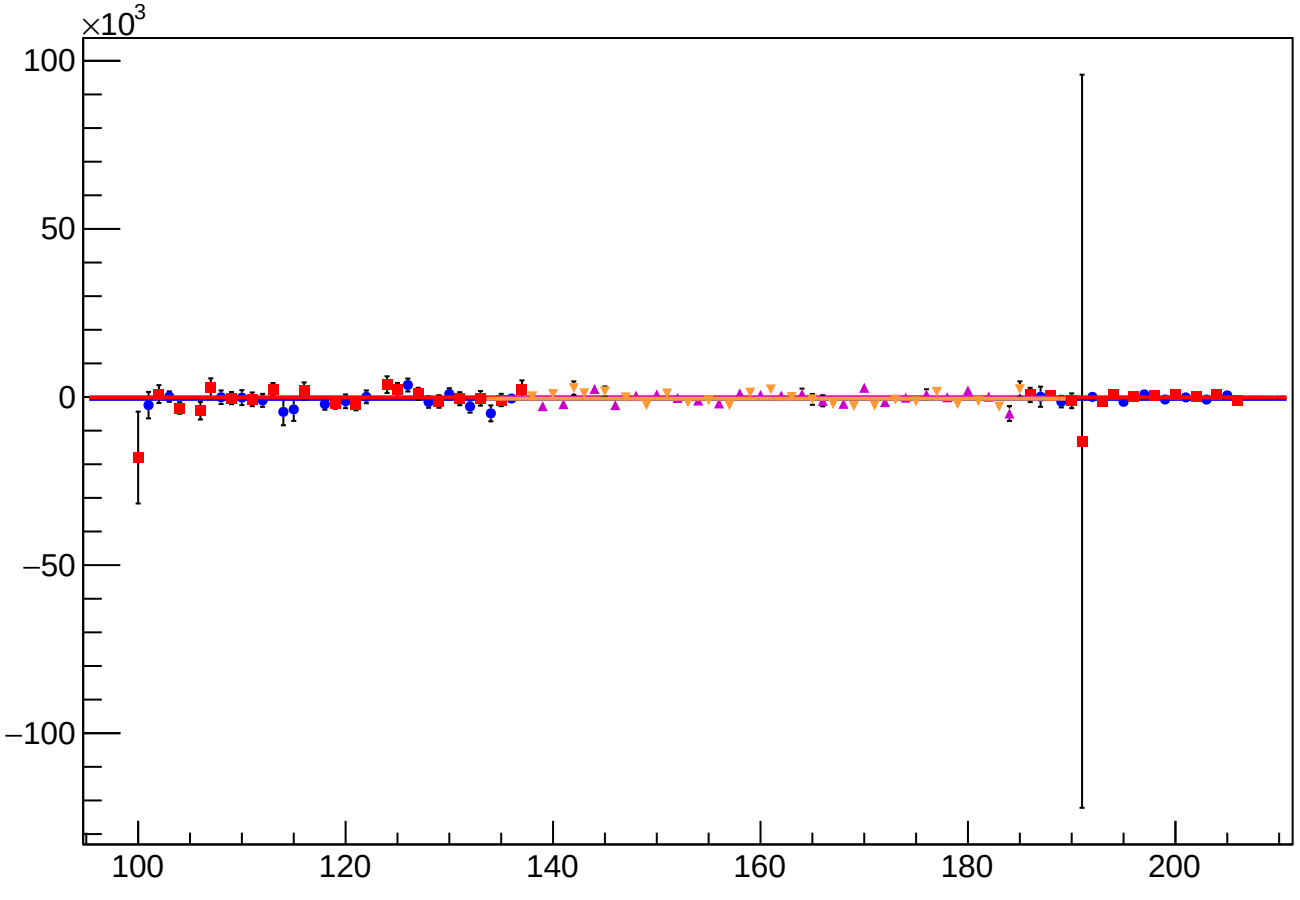
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 481.646+/-0.080 χ^2/NDF: 23229190.5/55

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.978 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

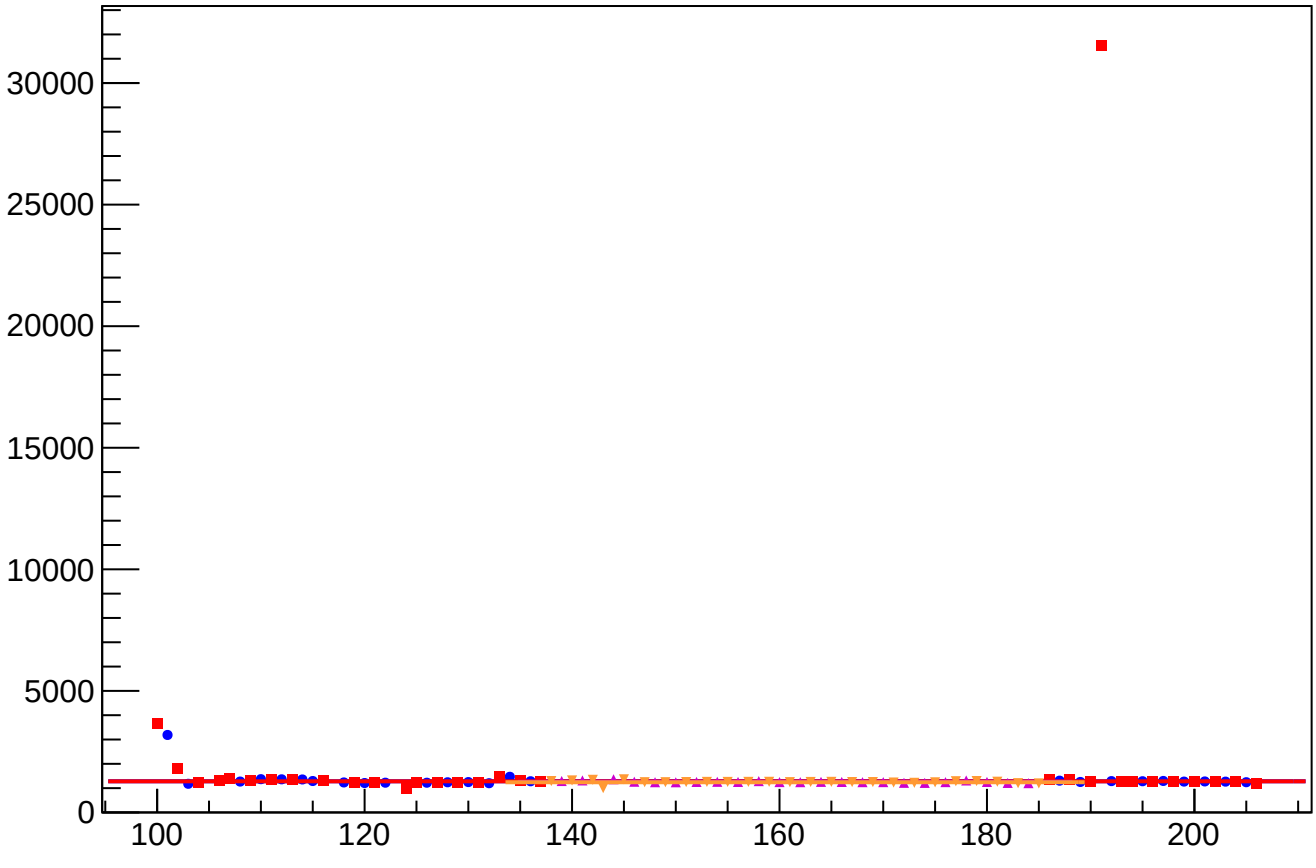
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -304.452+/-235.398 χ^2/NDF: 38.6/55

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -343.486+/-154.122 χ^2/NDF: 103.9/103



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

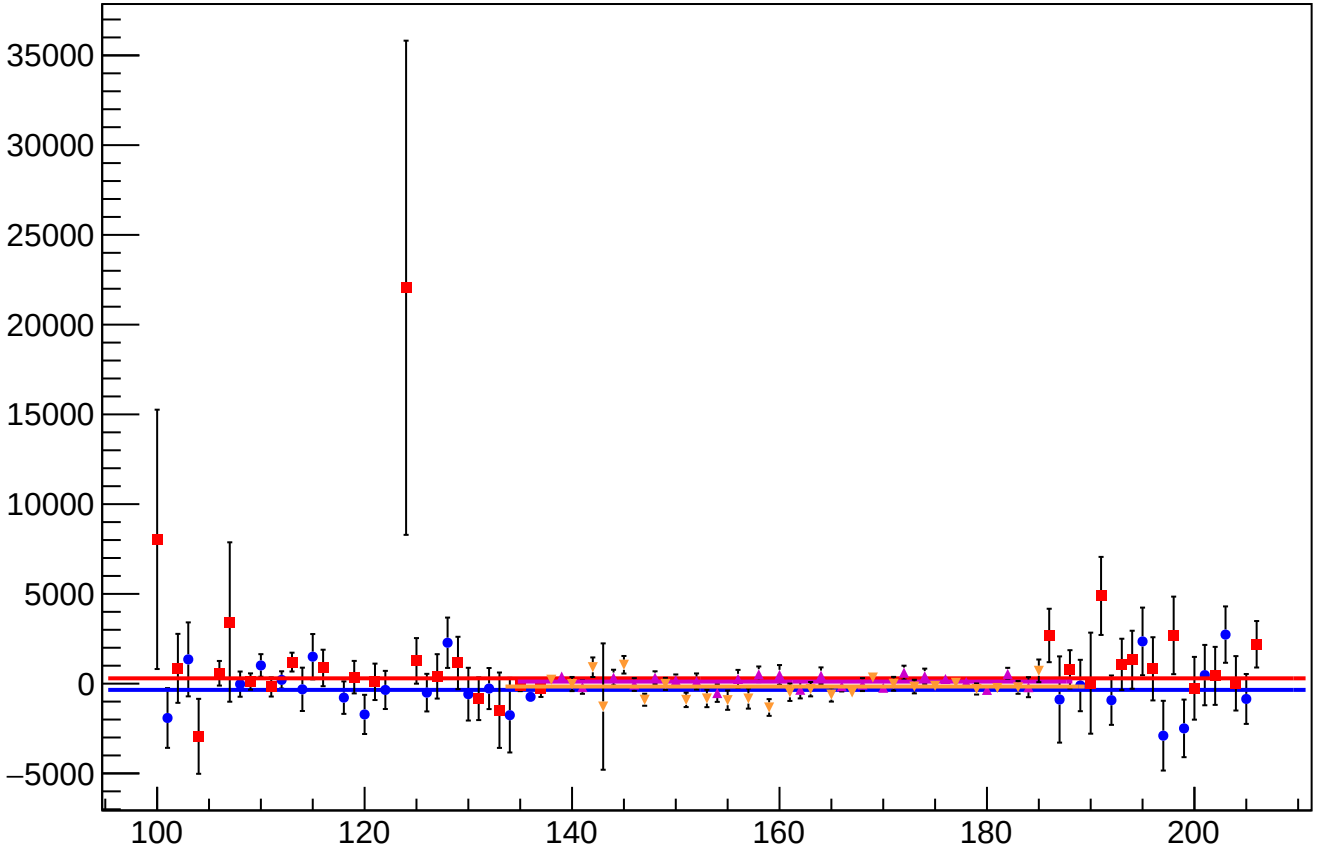
Right: 1281.931+/-0.166 χ^2/NDF: 900817.8/55

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1264.238+/-0.109 χ^2/NDF: 1082247.6/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.054+/-158.992 χ^2/NDF: 28.1/30

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

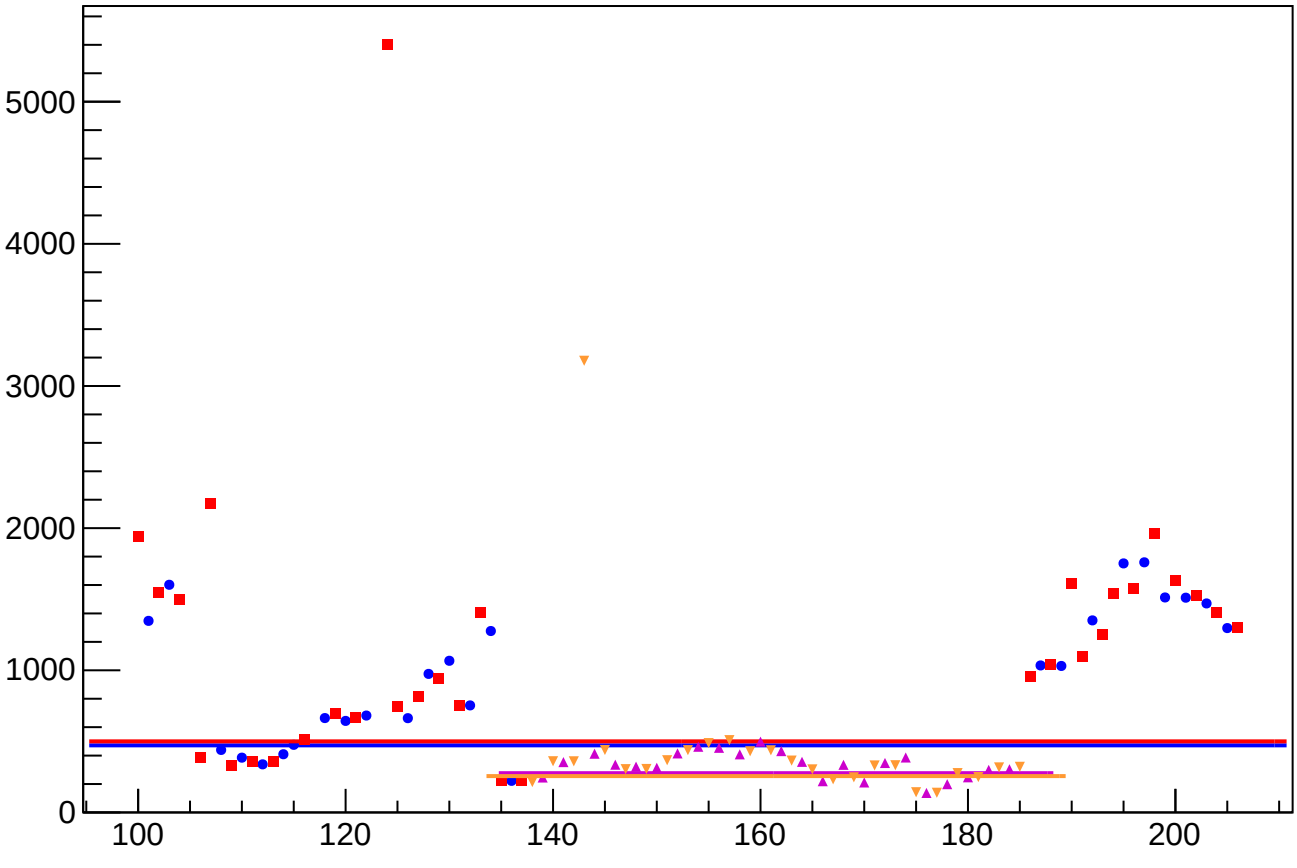
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -19.525+/-113.537 χ^2/NDF: 64.6/55

In: 43.249+/-63.369 χ^2/NDF:53.5/47

Out: -96.980+/-59.476 χ^2/NDF:78.9/55

All: -31.304+/-43.367 χ^2/NDF: 135.1/103



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

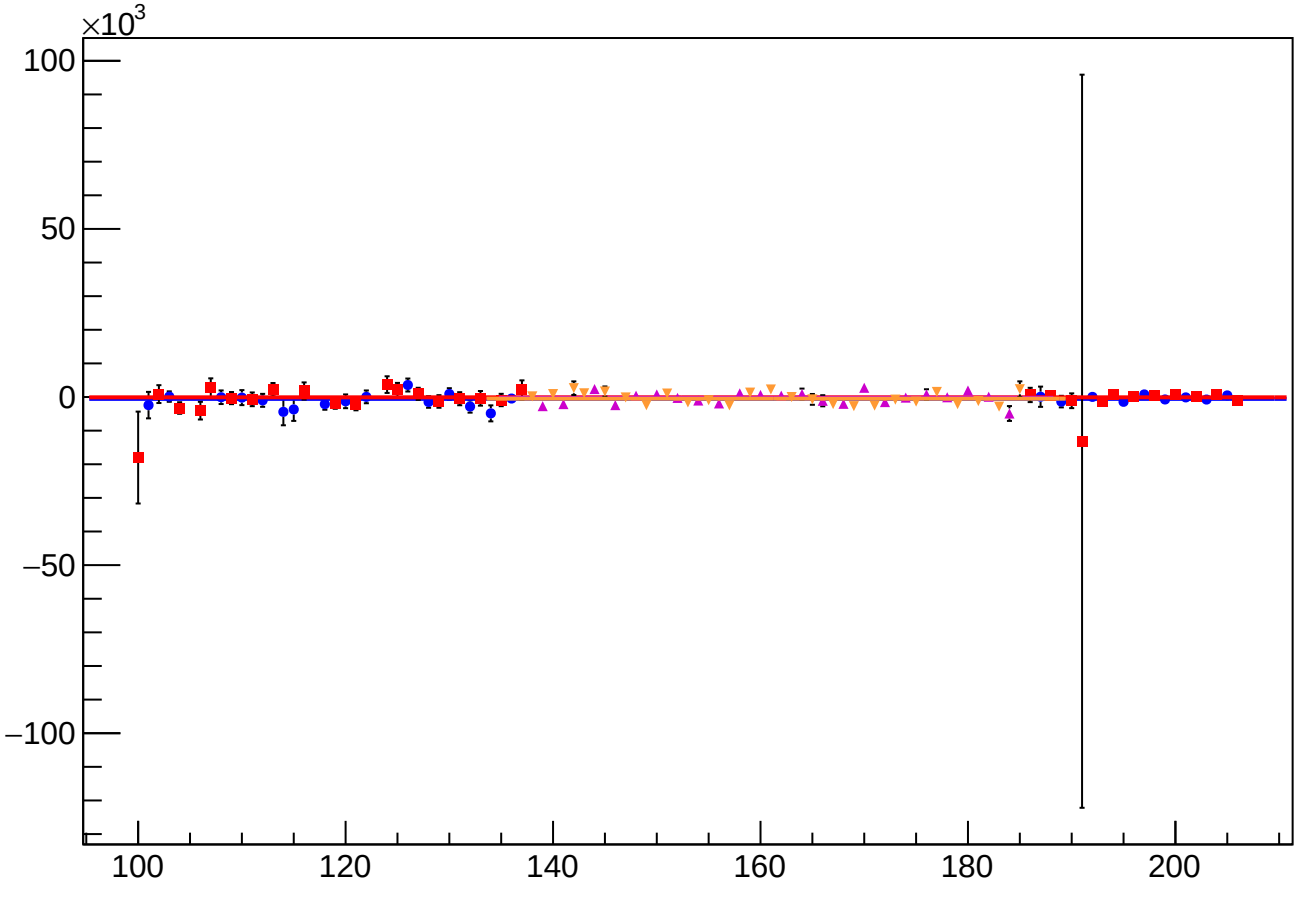
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 486.393+/-0.080 χ^2/NDF: 23899833.7/55

In: 306.184+/-0.045 χ^2/NDF:17534524.2/47

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 297.563+/-0.031 χ^2/NDF: 40873617.1/10



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.977 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

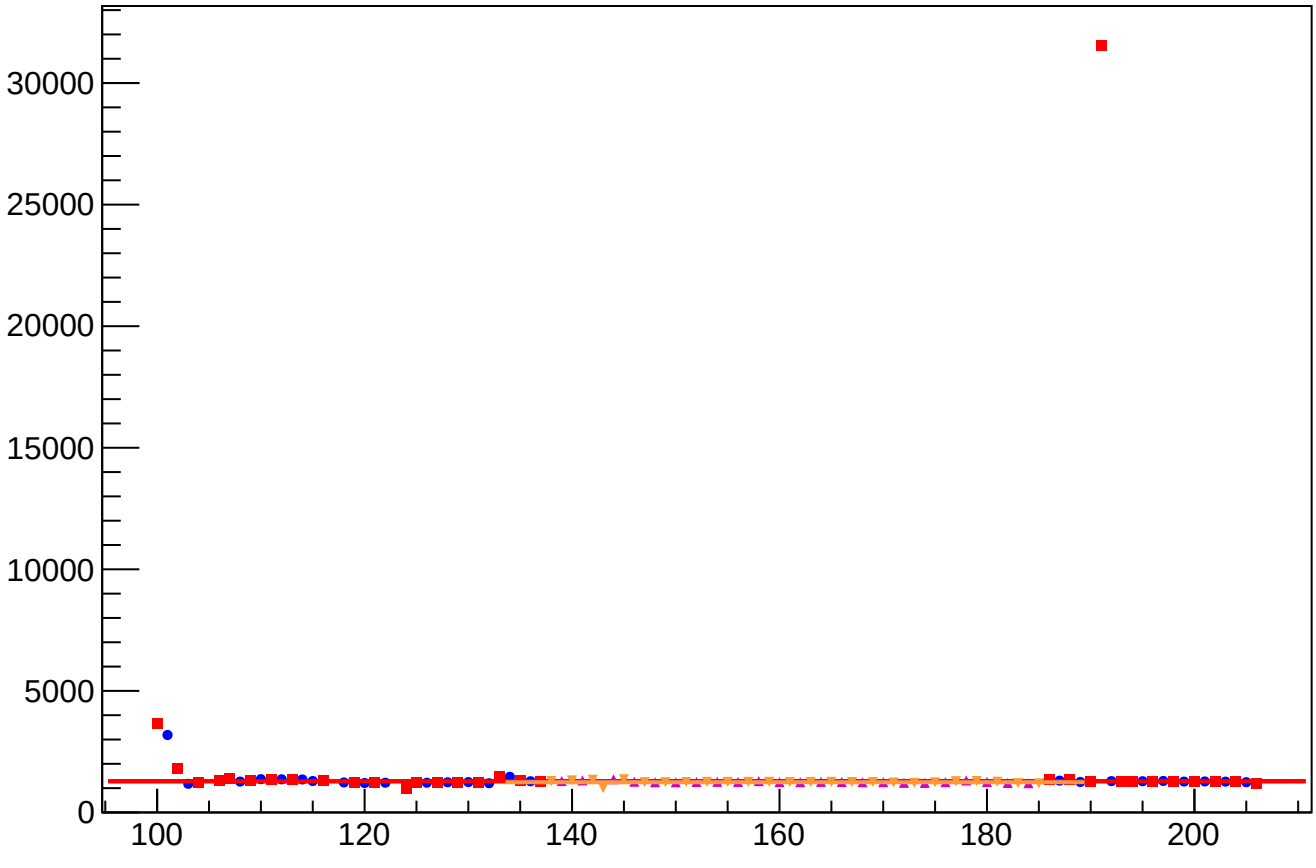
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -304.452+/-235.398 χ^2/NDF: 38.6/55

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -343.486+/-154.122 χ^2/NDF: 103.9/103



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

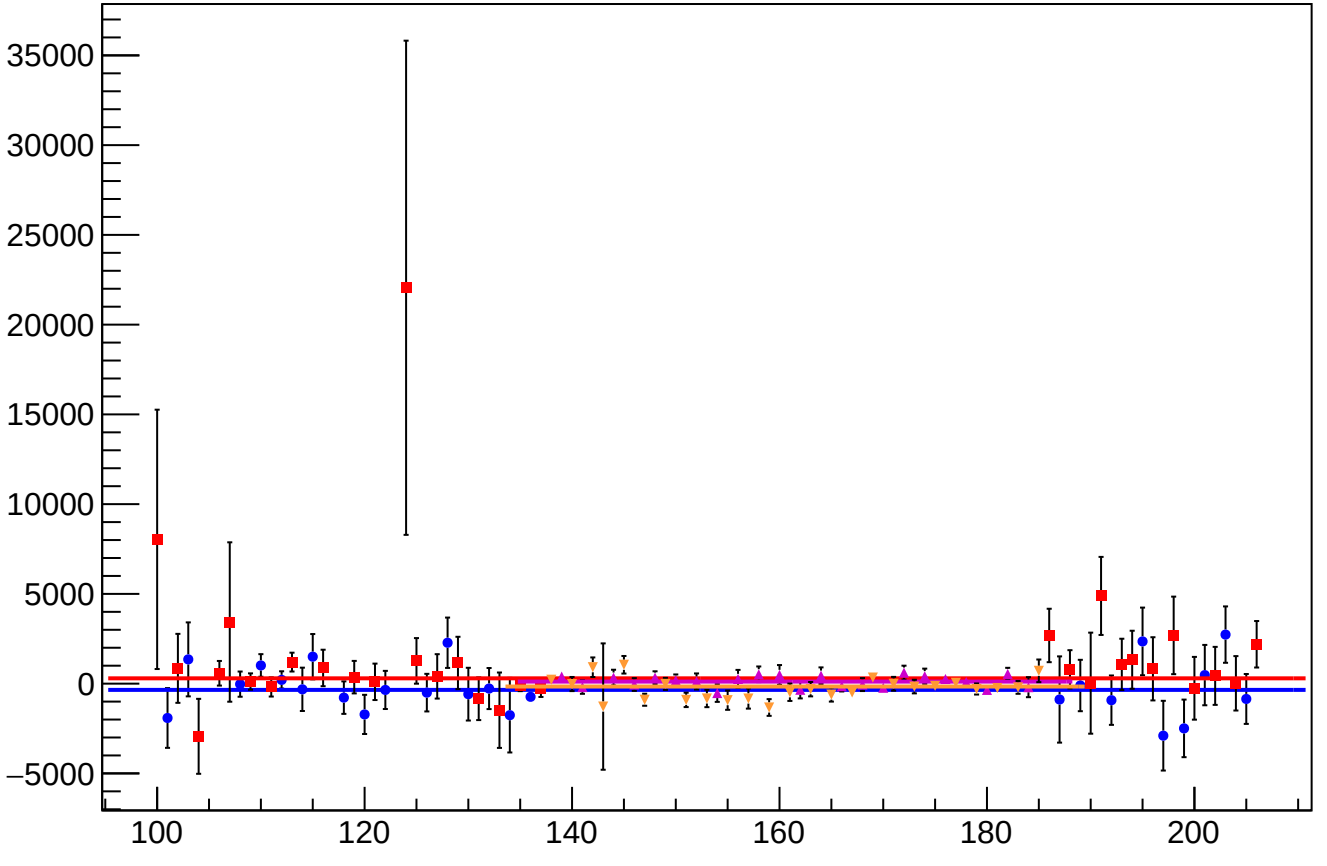
Right: 1281.931+/-0.166 χ^2/NDF: 900818.1/55

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1264.238+/-0.109 χ^2/NDF: 1082247.1/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

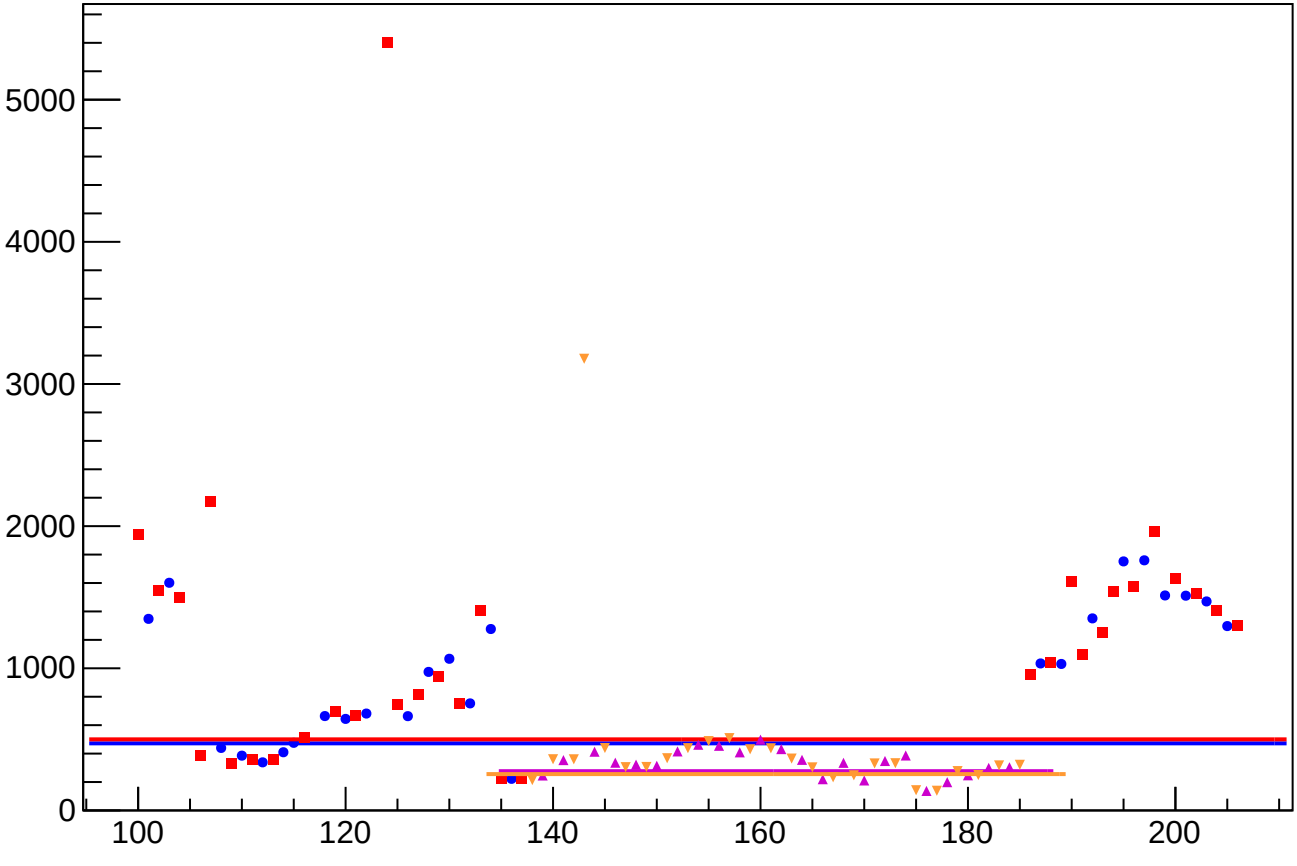
Right: -19.519+/-113.538 χ^2/NDF: 64.6/55

In: 43.250+/-63.369 χ^2/NDF:53.5/47

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -31.305+/-43.367 χ^2/NDF: 135.1/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

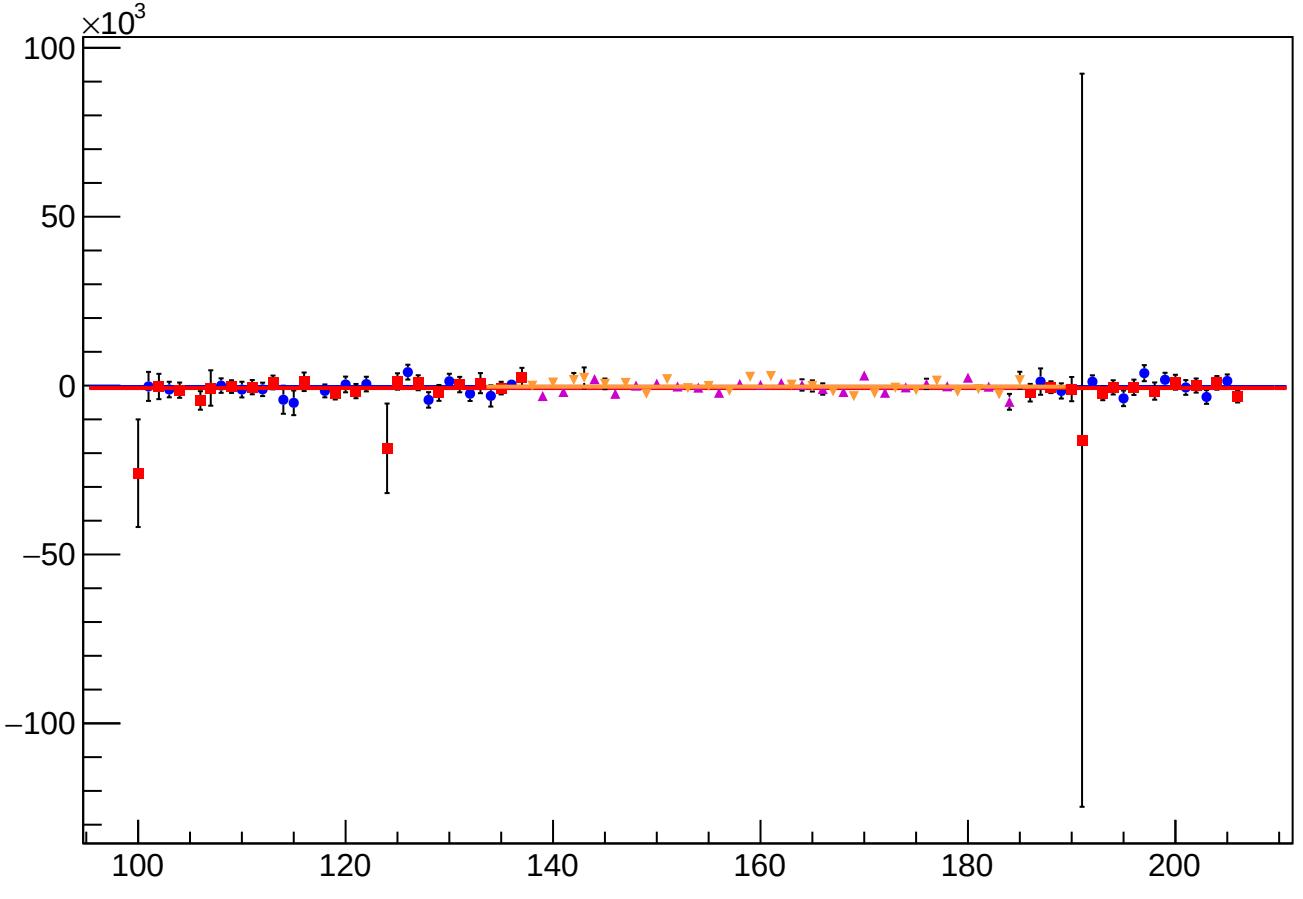
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 486.404+/-0.080 χ^2/NDF: 23899218.1/55

In: 306.186+/-0.045 χ^2/NDF:17534383.3/47

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 297.565+/-0.031 χ^2/NDF: 40873275.7/10



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -731.385+/-426.611 χ^2/NDF: 15.9/30

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

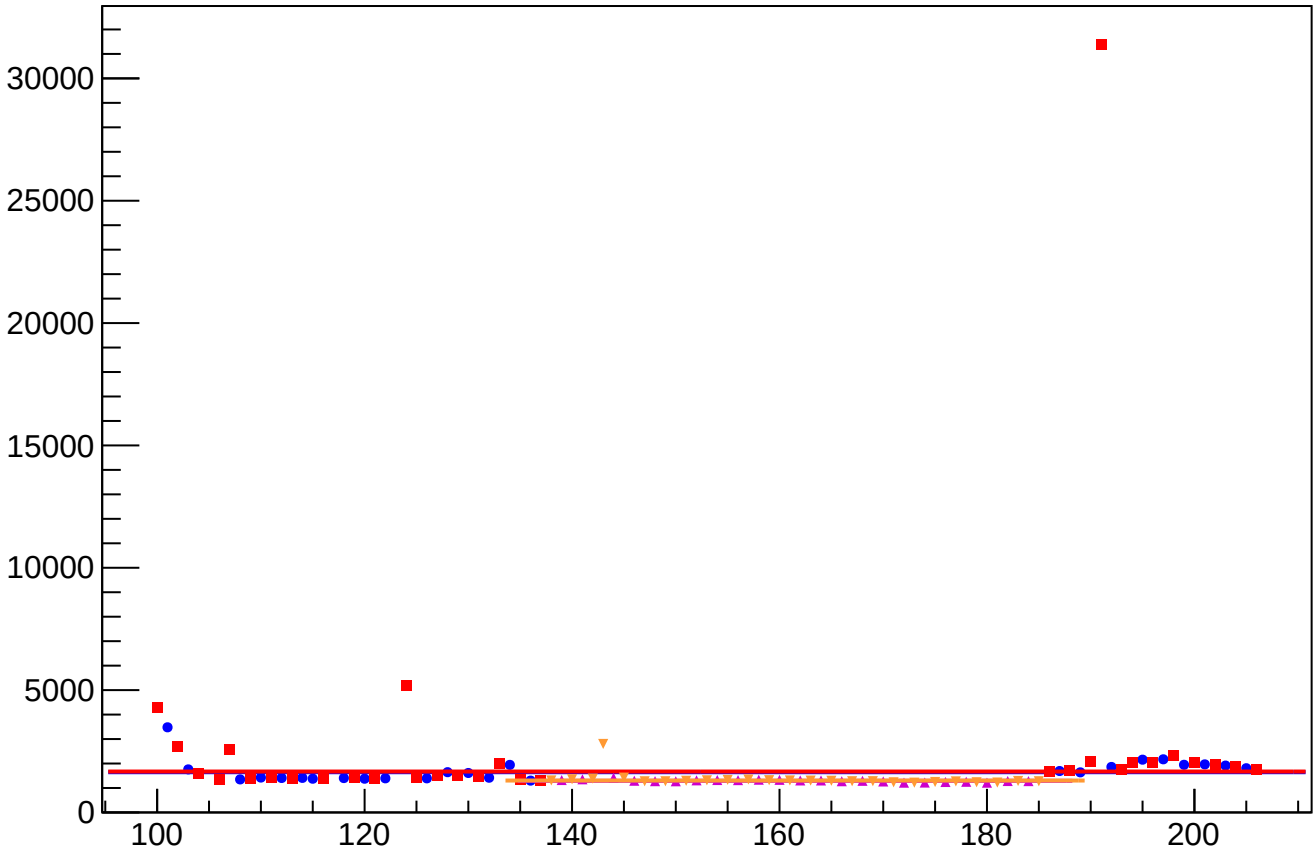
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -585.902+/-308.741 χ^2/NDF: 39.0/55

In: -378.140+/-250.252 χ^2/NDF:52.5/47

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -417.419+/-174.867 χ^2/NDF: 100.7/103



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

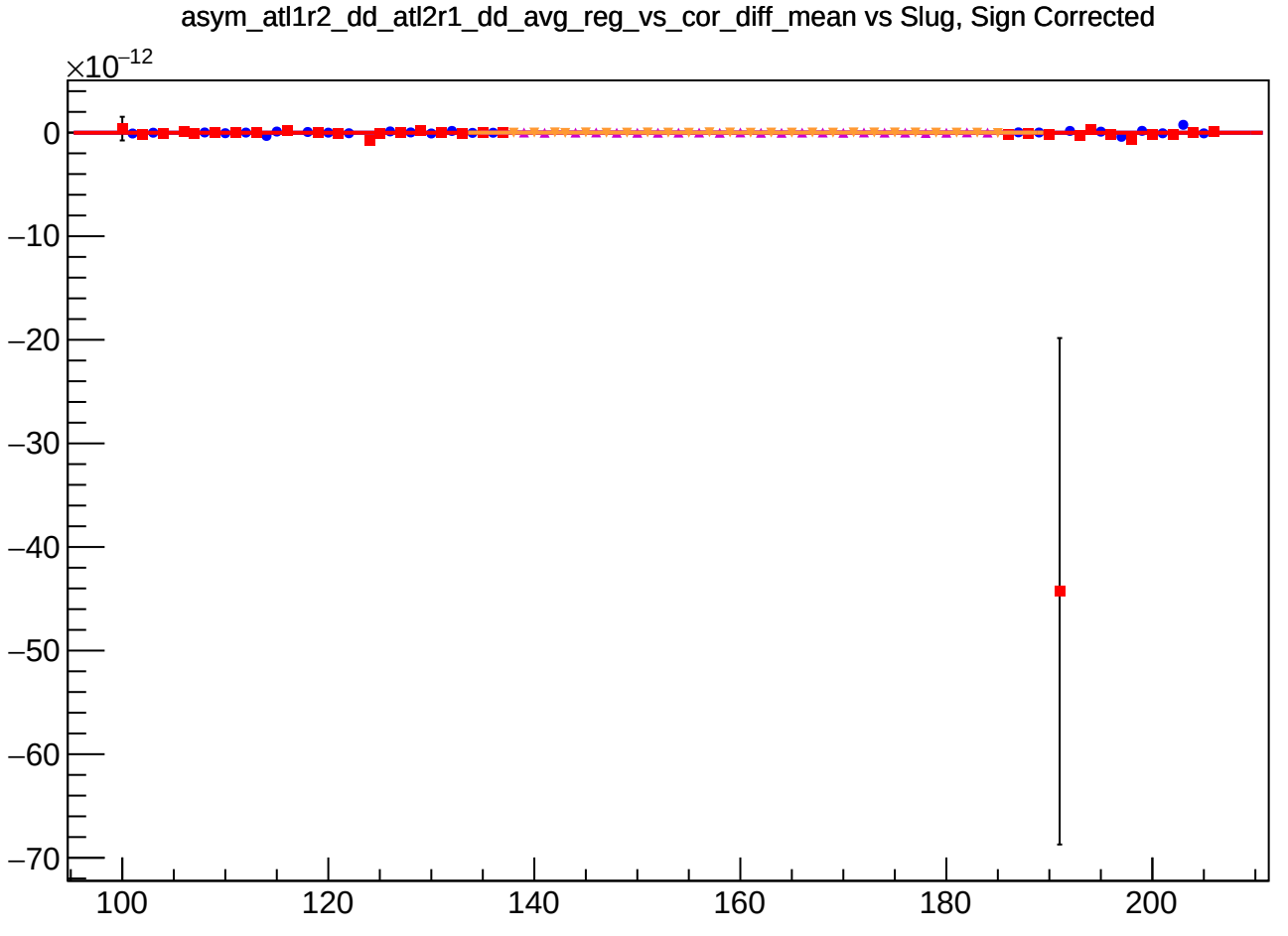
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1659.071+/-0.218 χ^2/NDF: 2480317.4/55

In: 1402.288+/-0.177 χ^2/NDF:2001327.8/47

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1413.974+/-0.124 χ^2/NDF: 4905615.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

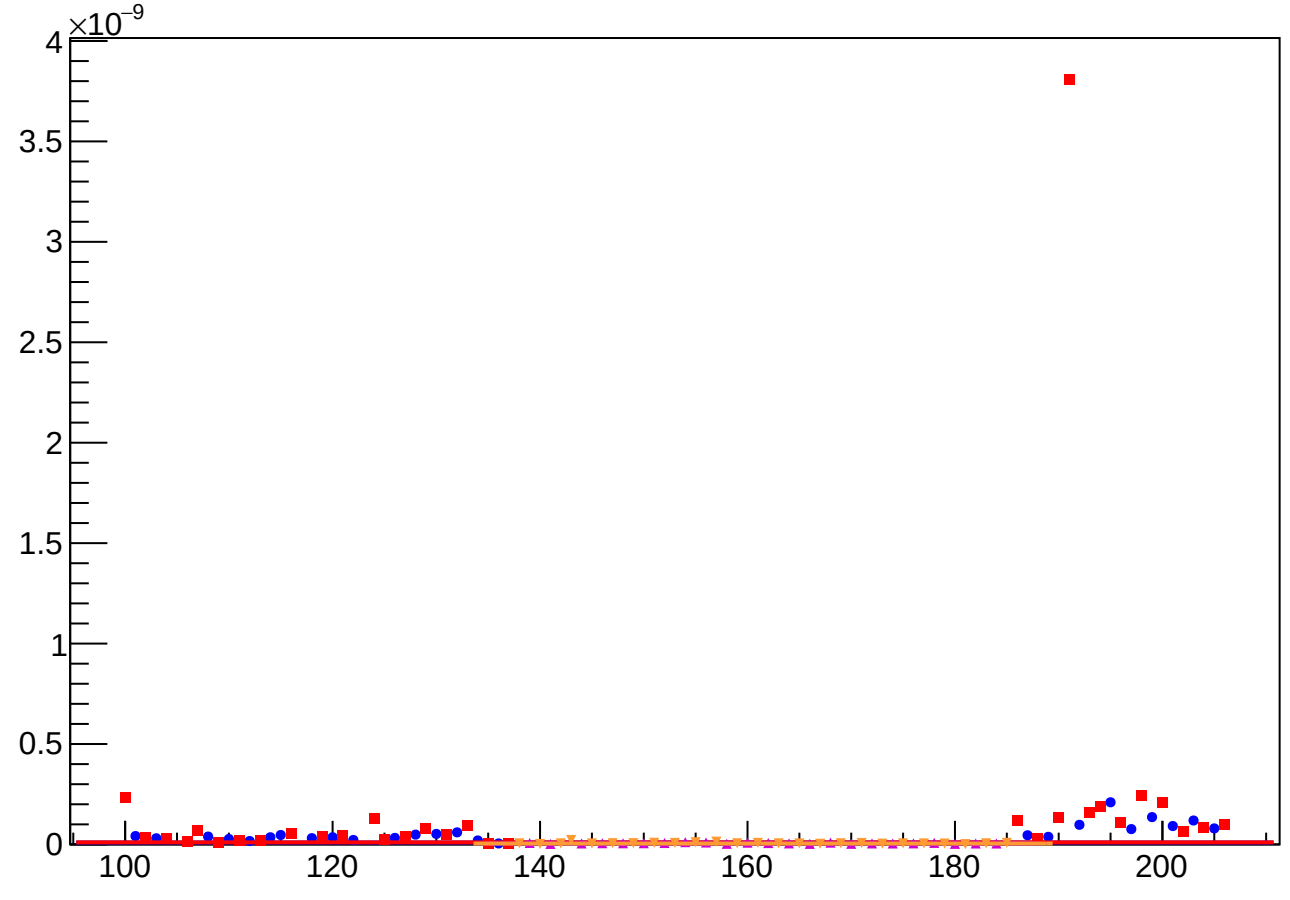
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 65.5/55

In: -0.000+/-0.000 χ^2/NDF:59.8/47

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 124.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

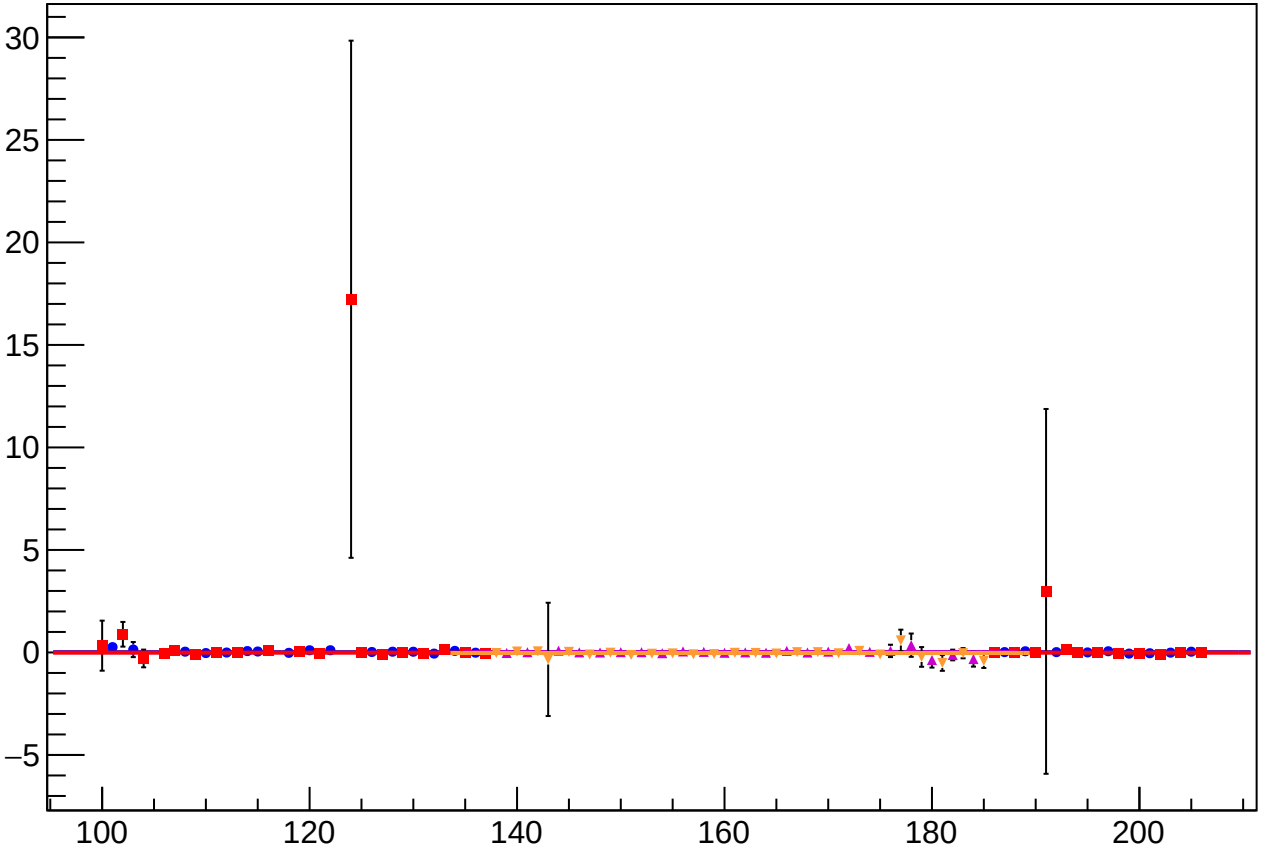
Right: 0.000+/-0.000 χ^2/NDF: 16014964.9/55

In: 0.000+/-0.000 χ^2/NDF:9375499.6/47

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 22436883.0/103

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

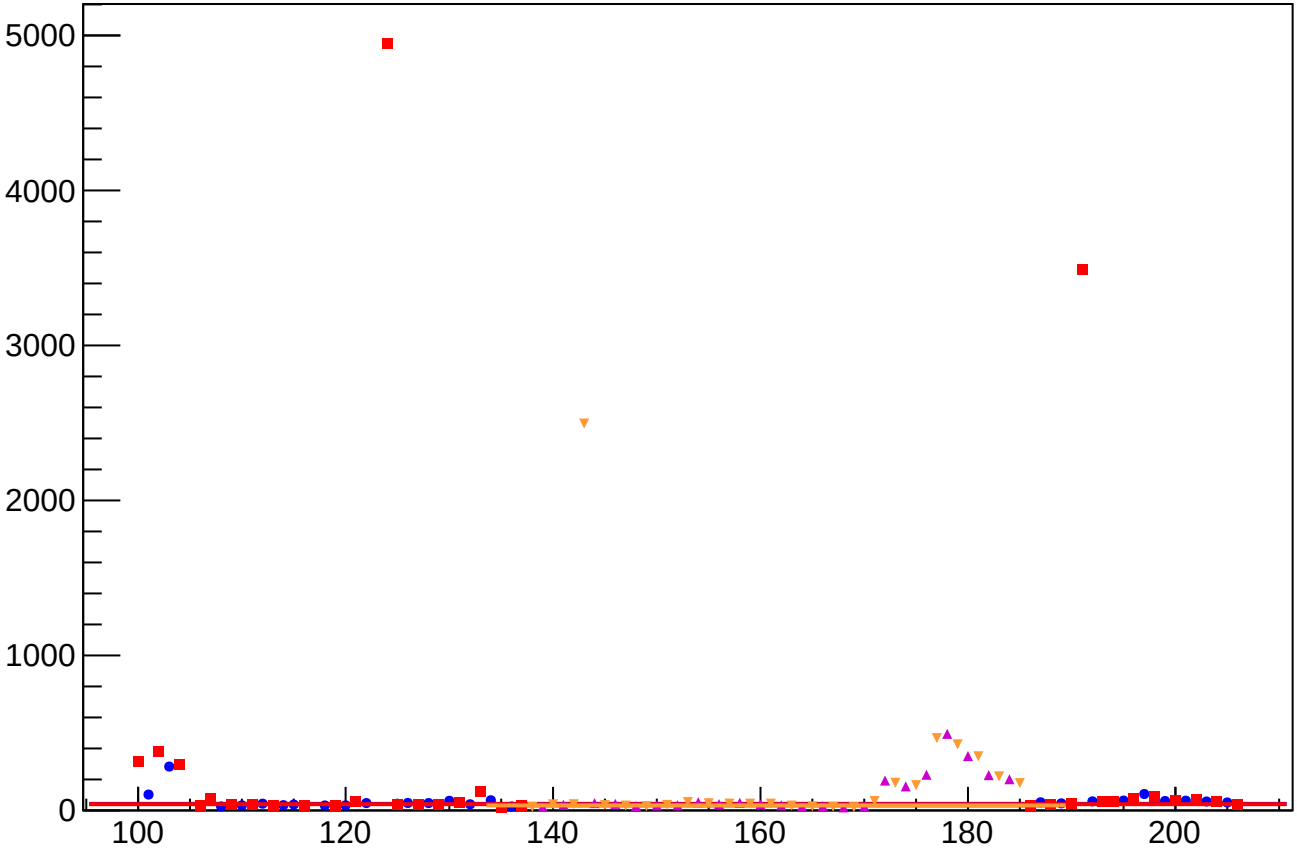
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

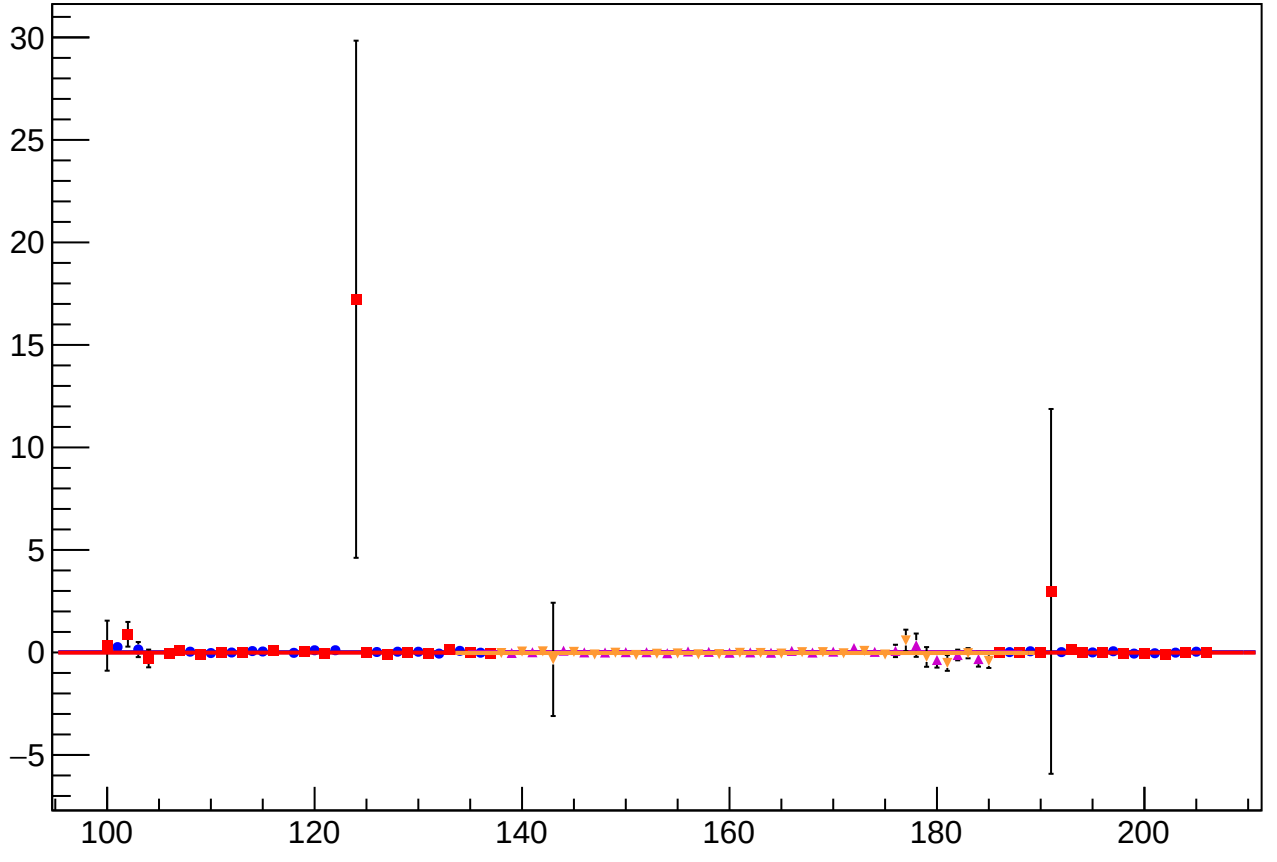
Right: 41.287+/-0.006 χ^2/NDF: 9443623.3/55

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

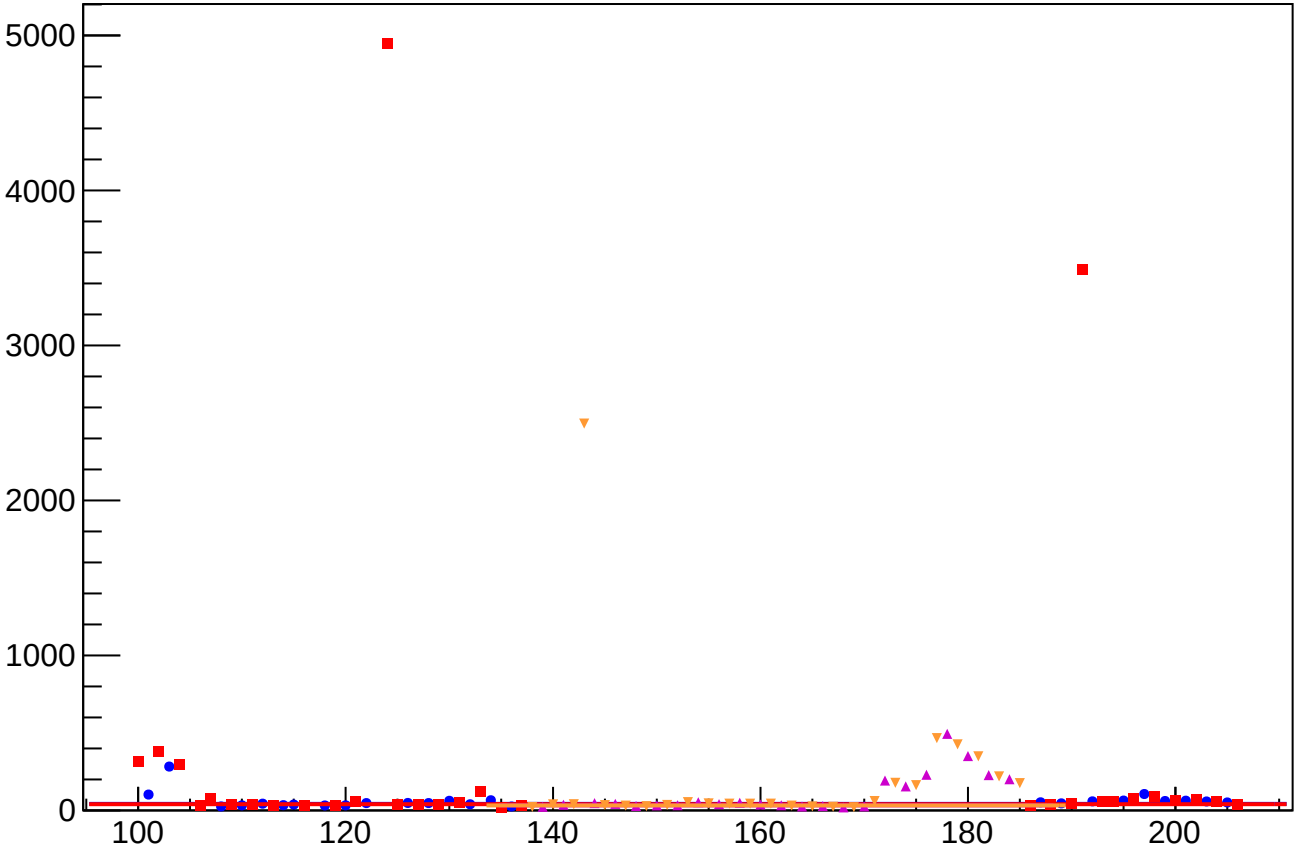
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

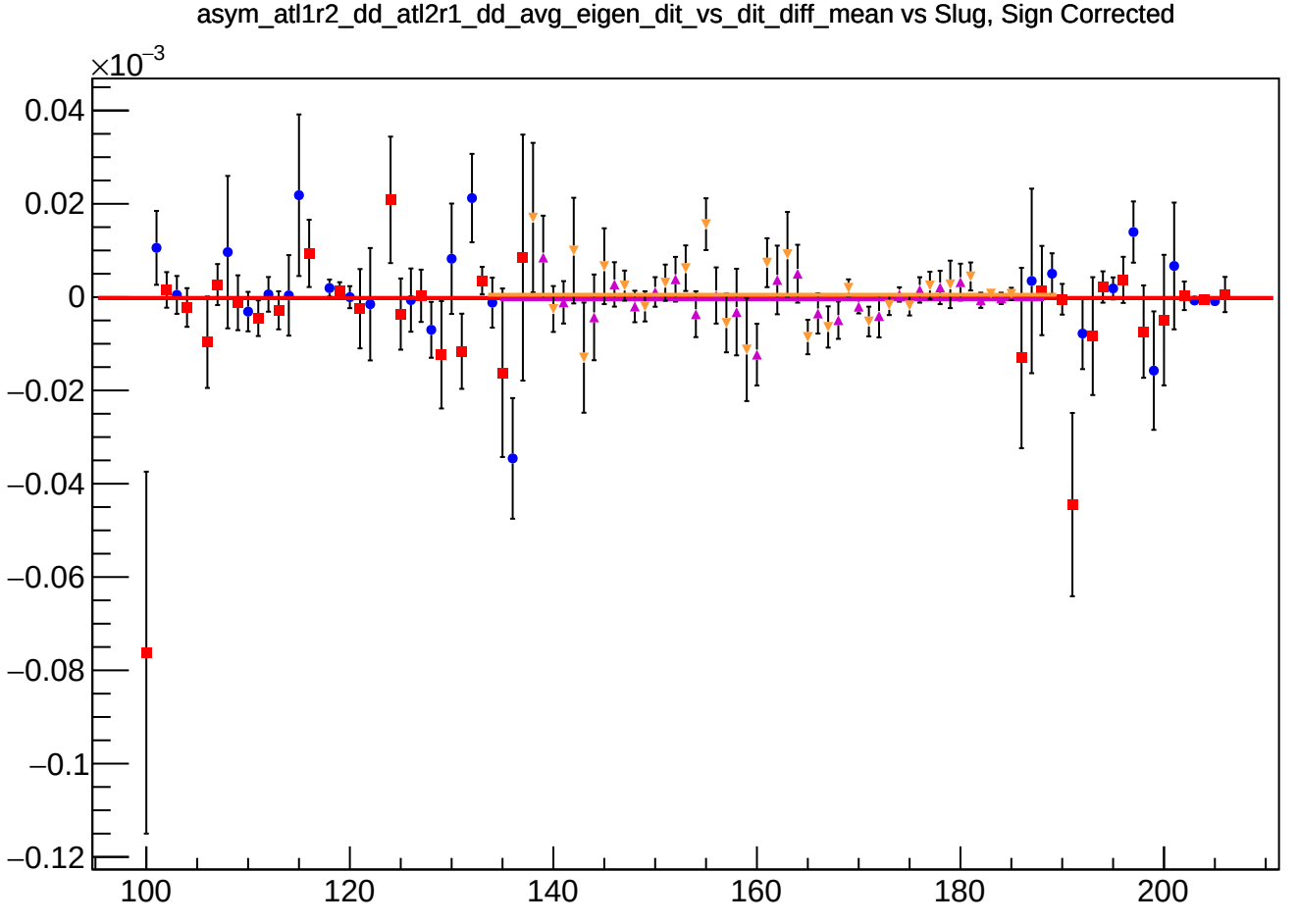
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.287+/-0.006 χ^2/NDF: 9443623.3/55

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

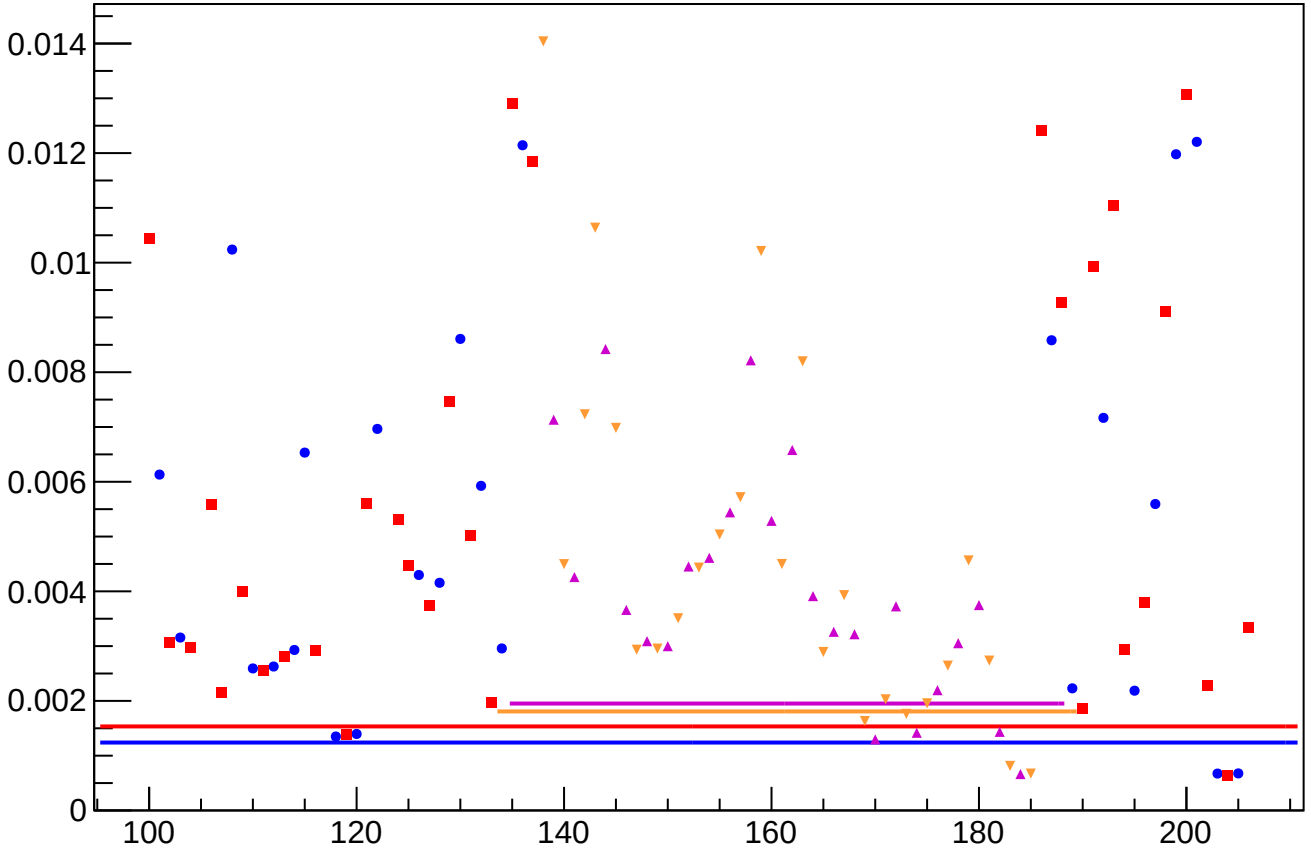
Right: -0.000+/-0.000 χ^2/NDF: 56.5/55

In: -0.000+/-0.000 χ^2/NDF:44.1/47

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 107.5/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

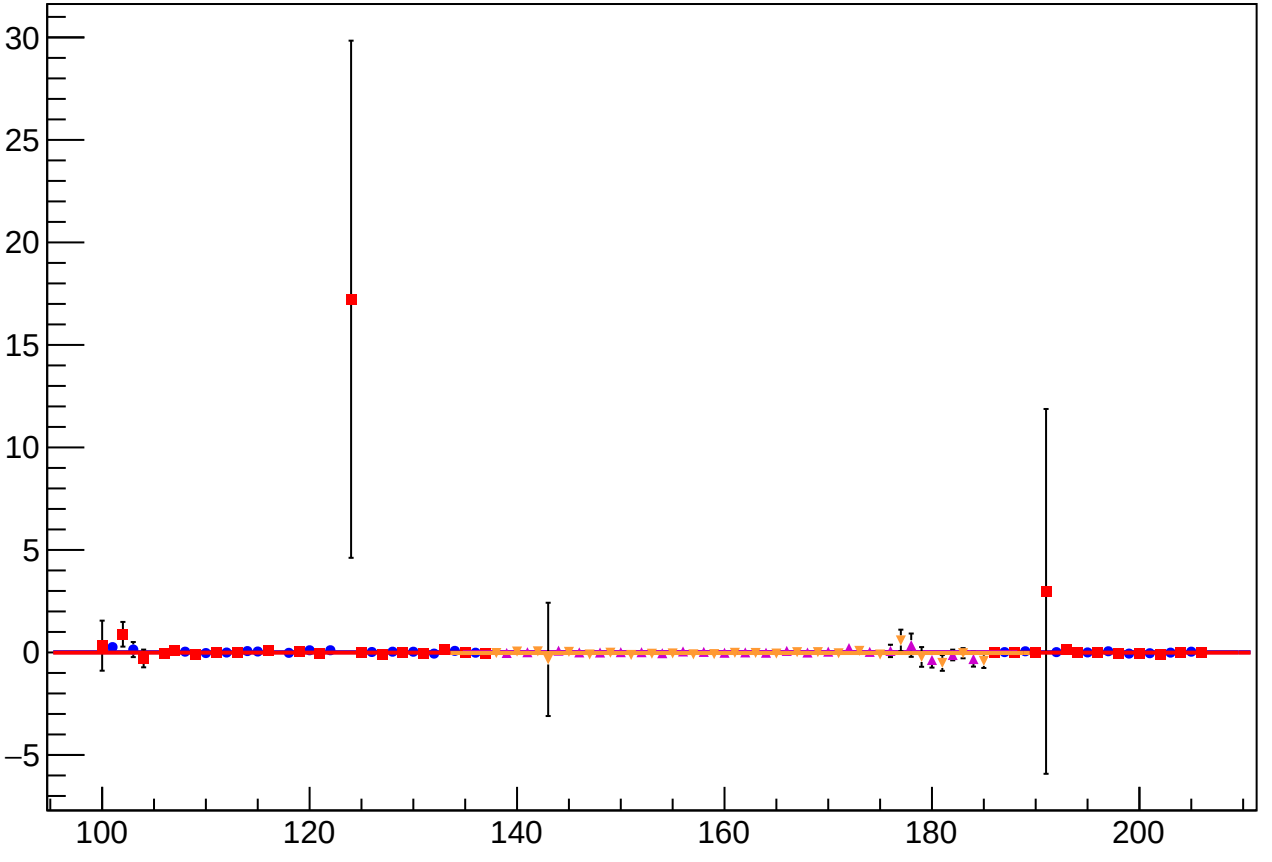
Right: 0.001+/-0.000 χ^2/NDF: 29719673.1/55

In: 0.002+/-0.000 χ^2/NDF:27143757.7/47

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 57842135.8/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

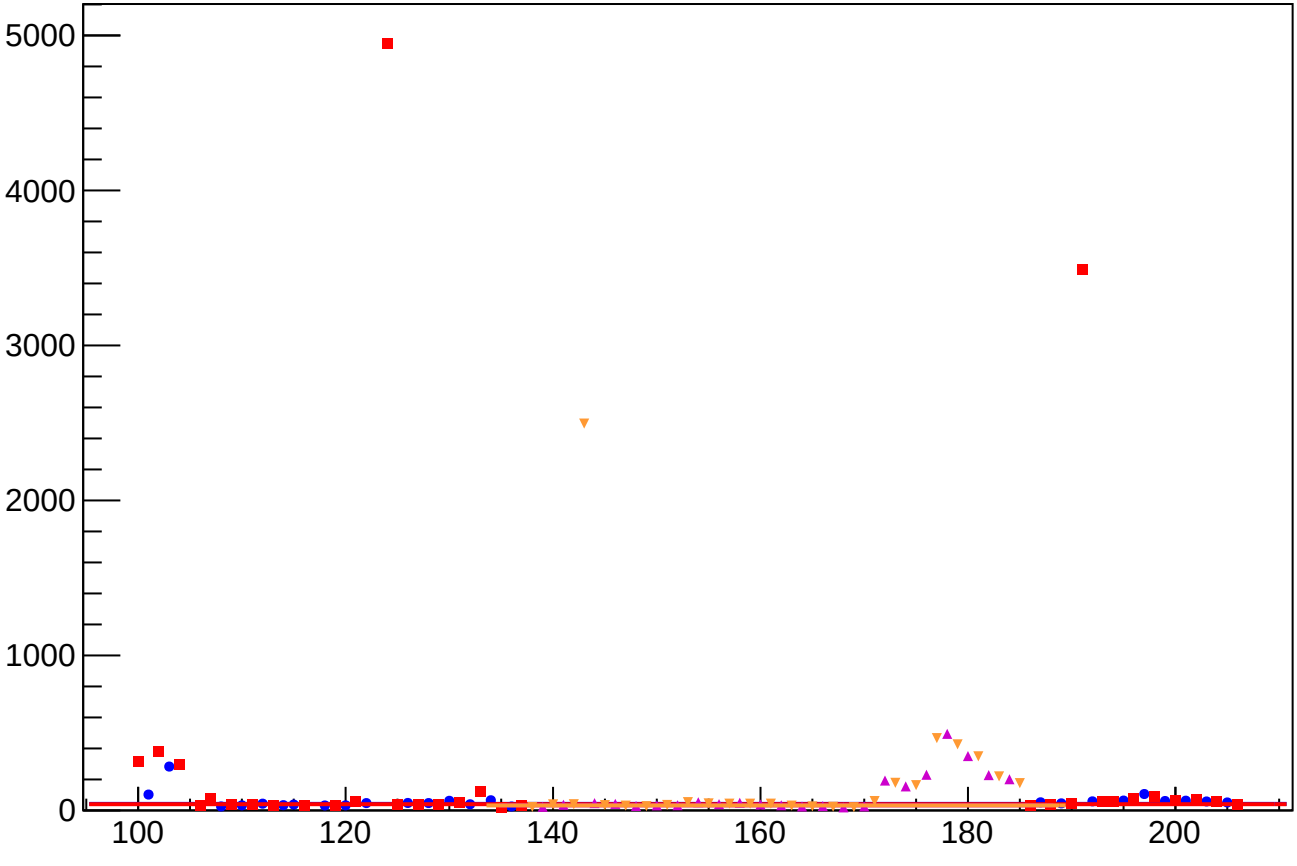
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

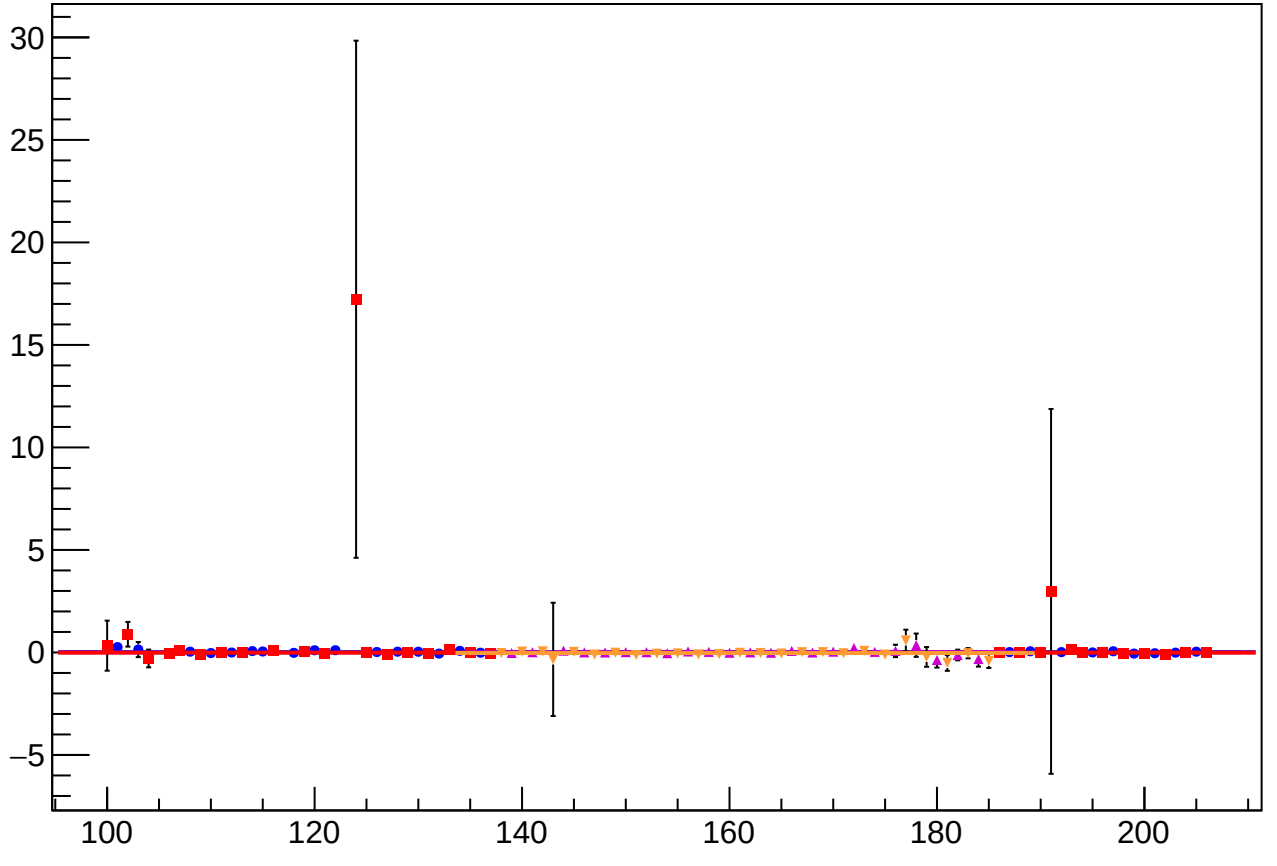
Right: 41.288+/-0.006 χ^2/NDF: 9442916.8/55

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

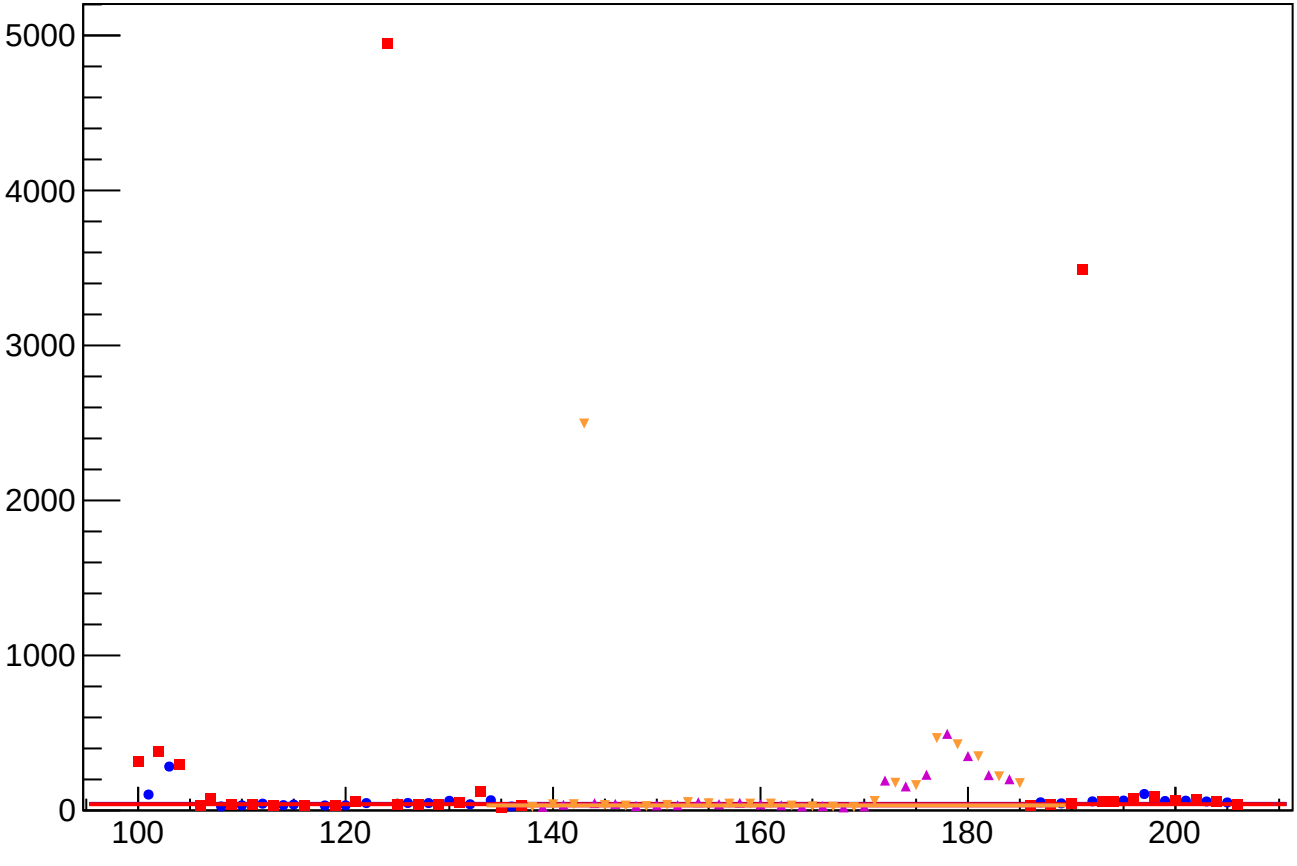
Right: 0.001+/-0.009 χ^2/NDF: 38.1/55

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.005+/-0.005 χ^2/NDF: 88.5/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

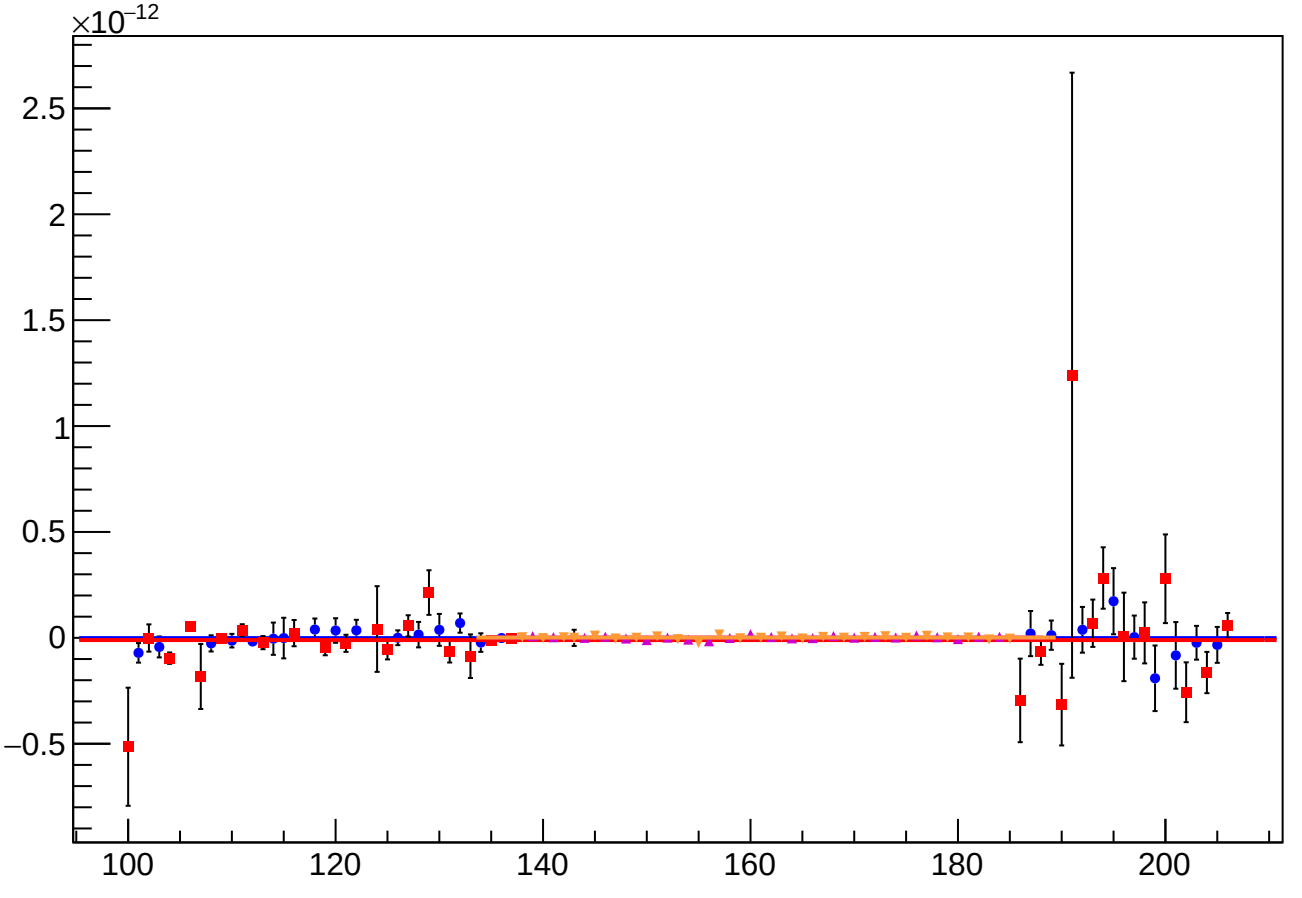
Right: 41.288+/-0.006 χ^2/NDF: 9442916.8/55

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

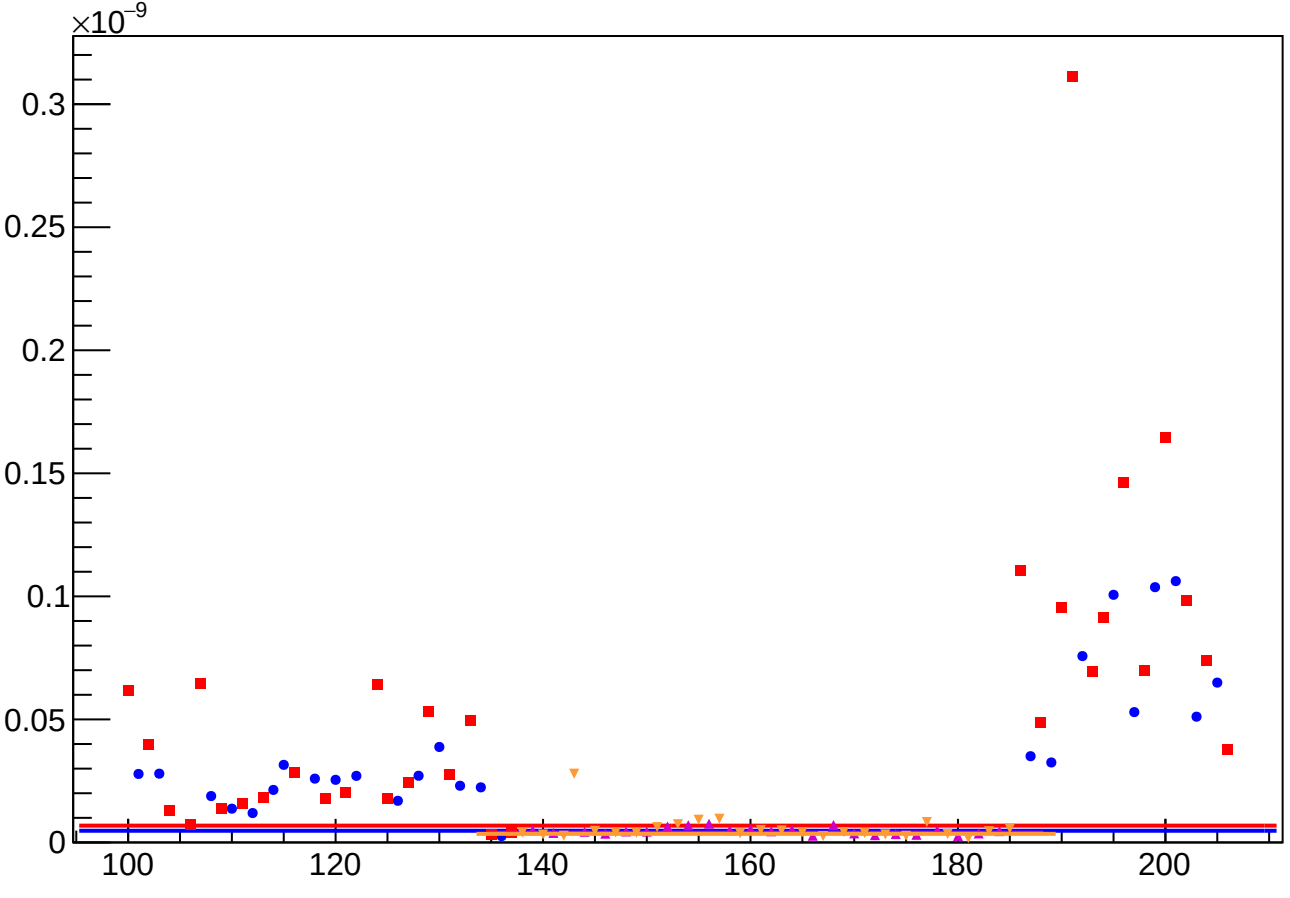
Right: -0.000+/-0.000 χ^2/NDF: 74.1/55

In: 0.000+/-0.000 χ^2/NDF:41.3/47

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 126.4/103

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

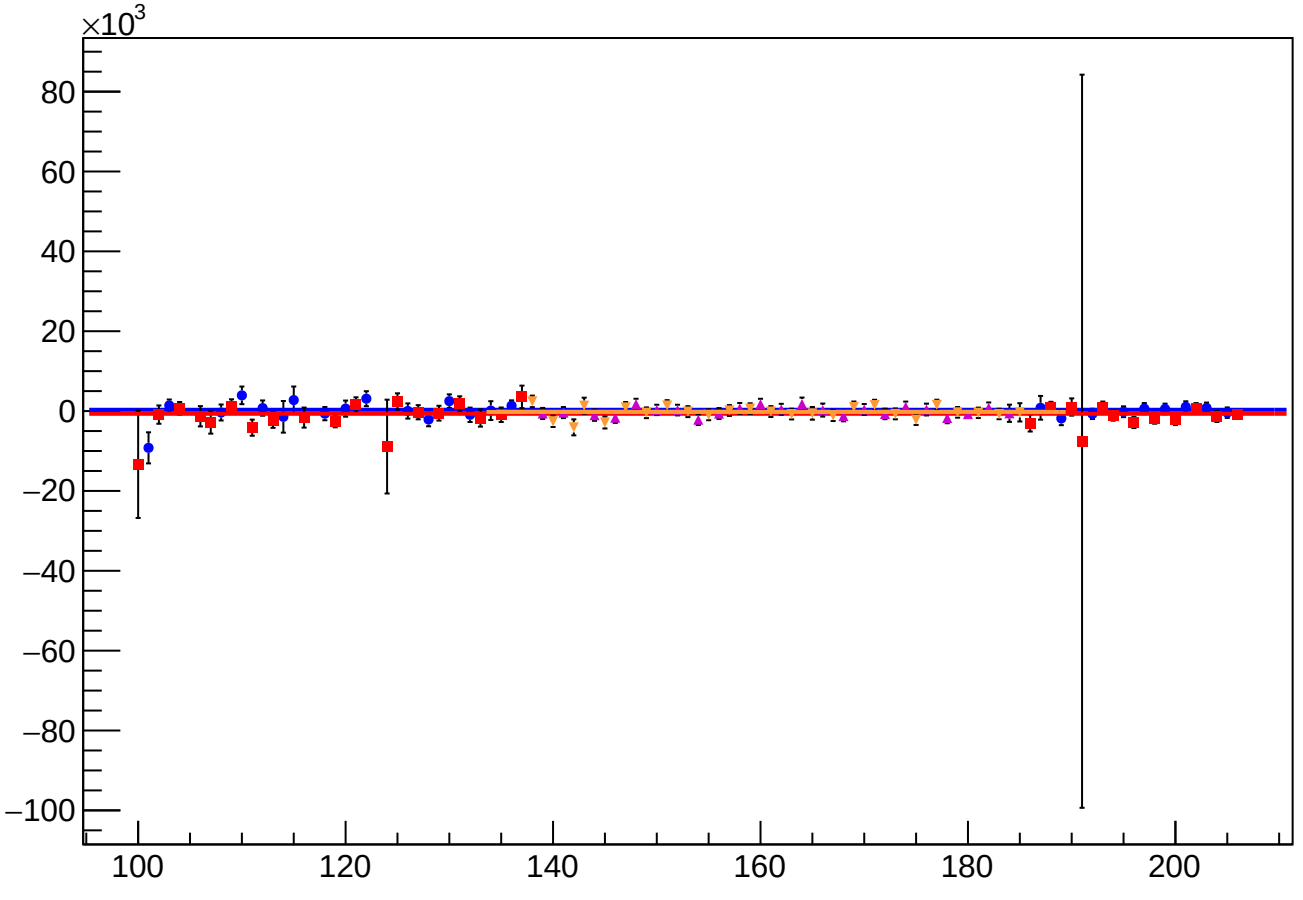
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 24210725.3/55

In: 0.000+/-0.000 χ^2/NDF:13181005.9/47

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 32099097.7/103



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -681.848+/-319.078 χ^2/NDF: 27.3/30

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

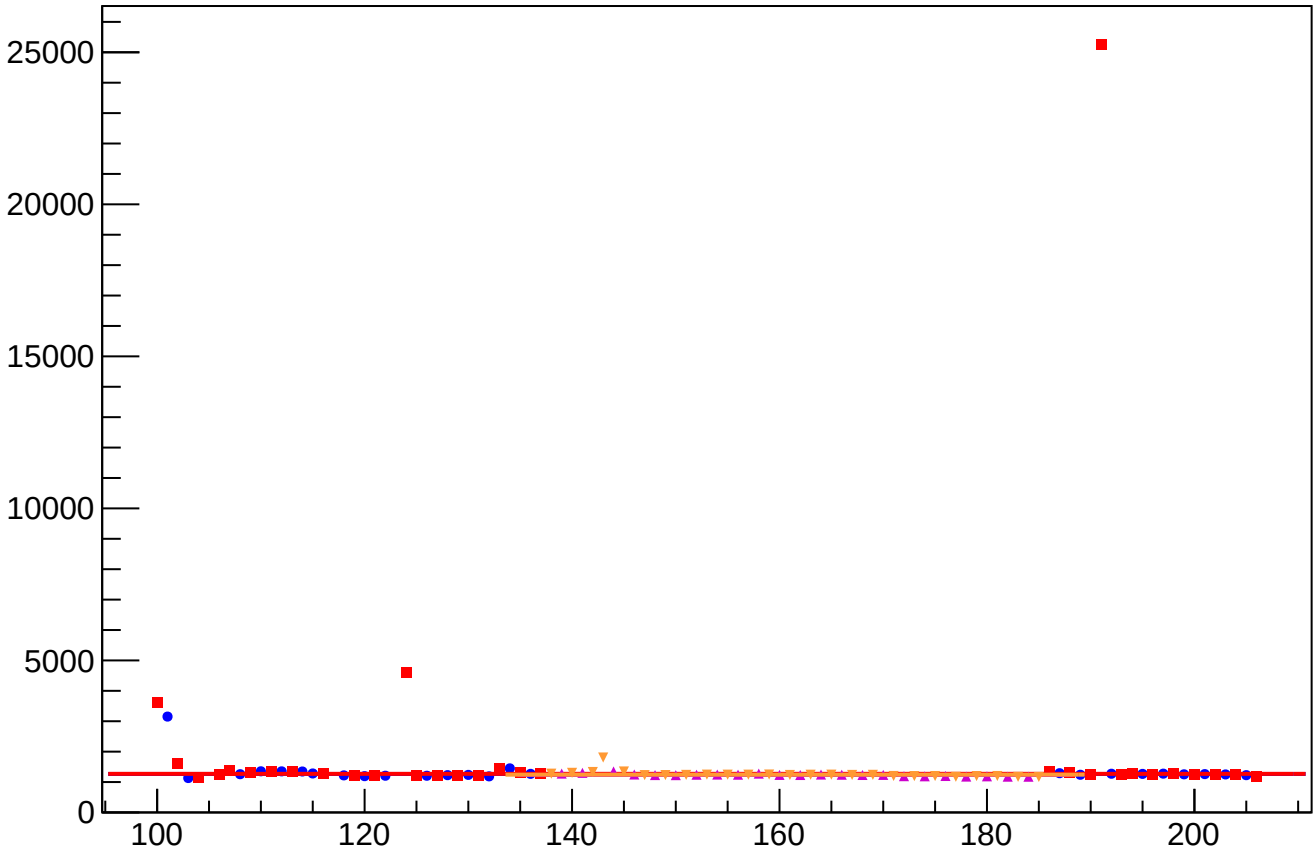
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -209.096+/-232.755 χ^2/NDF: 52.6/55

In: 83.445+/-219.927 χ^2/NDF:36.1/47

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -179.786+/-152.537 χ^2/NDF: 91.3/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

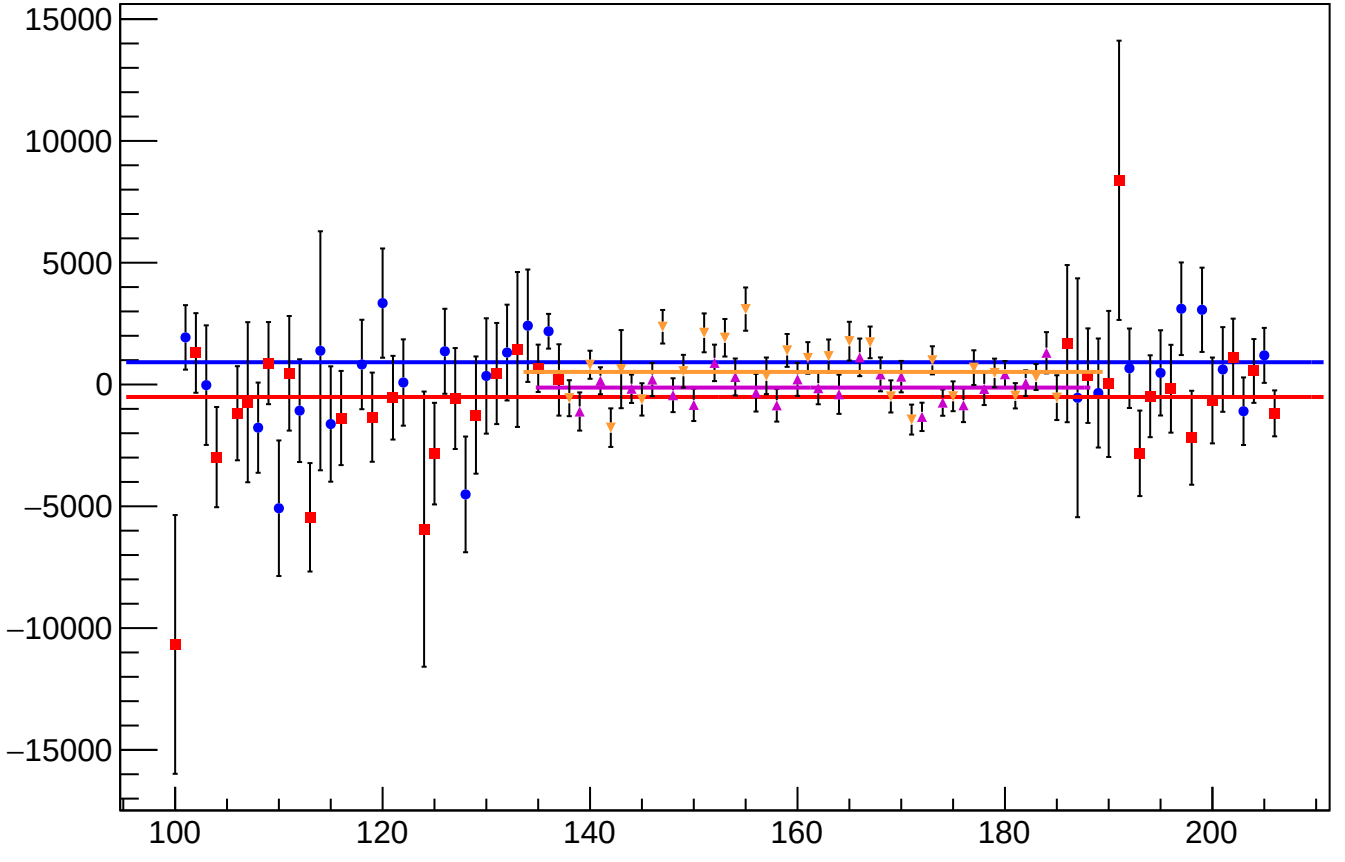
Right: 1267.562+/-0.165 χ^2/NDF: 1009181.6/55

In: 1246.869+/-0.156 χ^2/NDF:571948.2/47

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1250.908+/-0.108 χ^2/NDF: 1270718.8/10

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

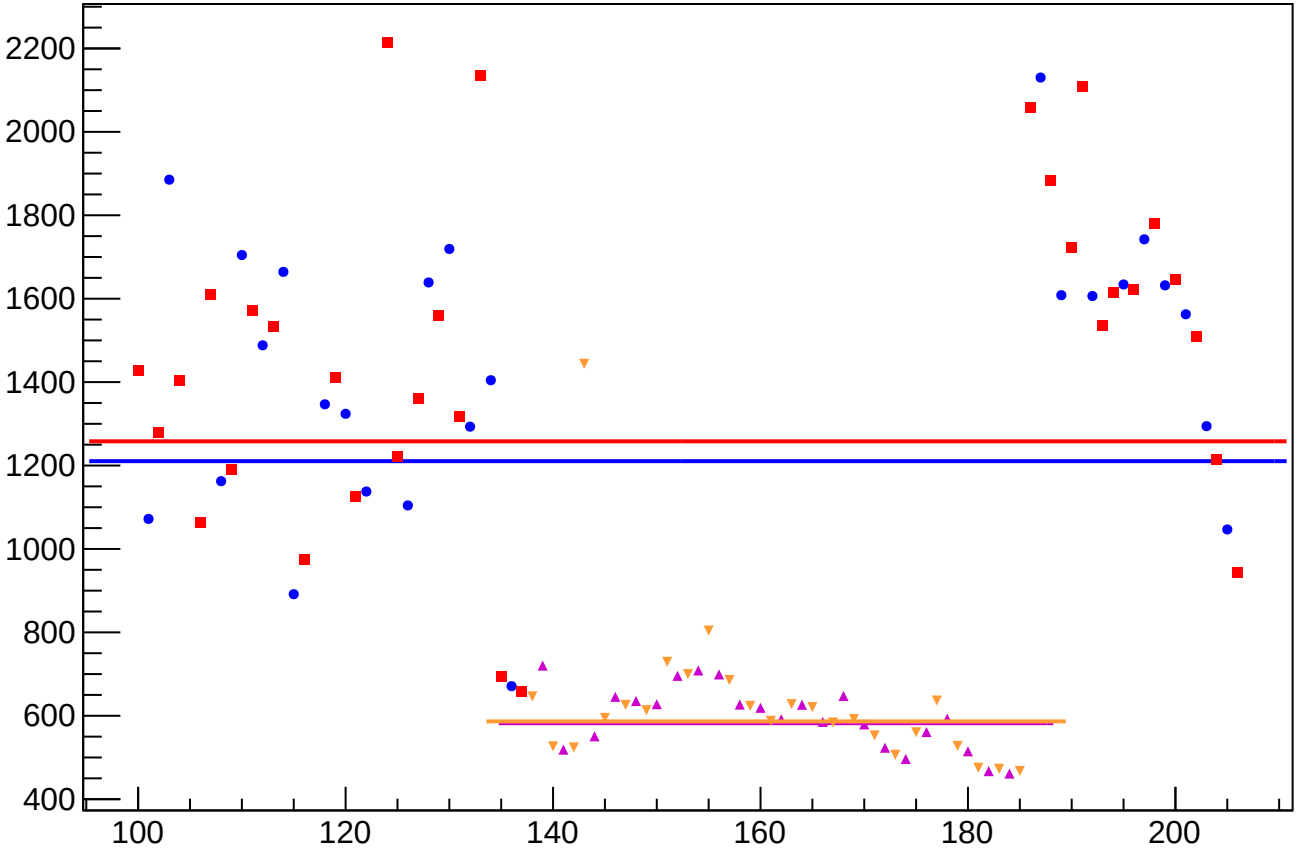
Right: 176.026+/-235.352 χ^2/NDF: 59.7/55

In: 20.218+/-127.228 χ^2/NDF:55.1/47

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 195.430+/-89.302 χ^2/NDF: 159.4/103

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

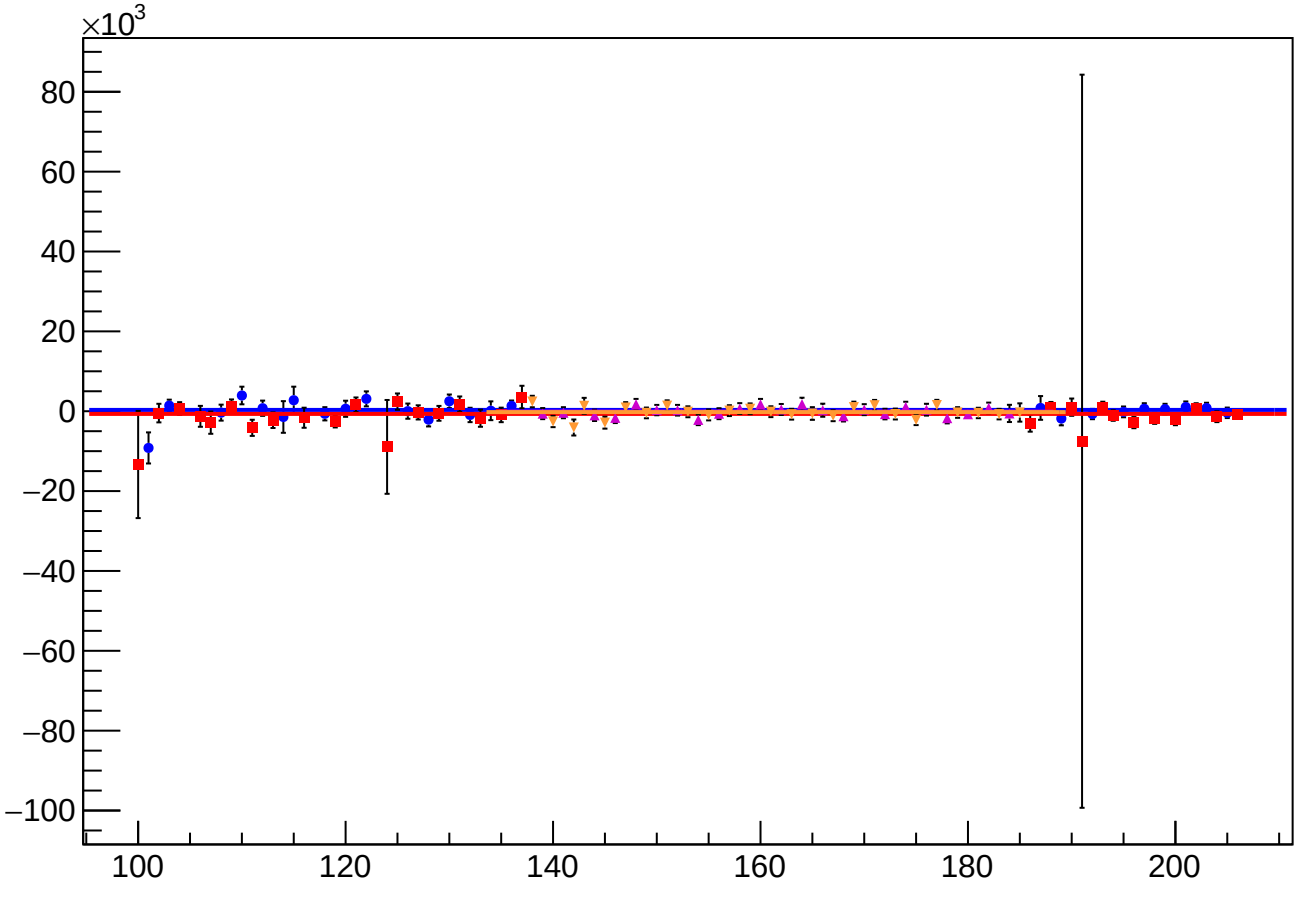
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1235.125+/-0.166 χ^2/NDF: 5079474.1/55

In: 670.724+/-0.090 χ^2/NDF:8911614.0/47

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 678.086+/-0.063 χ^2/NDF: 19930807.5/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

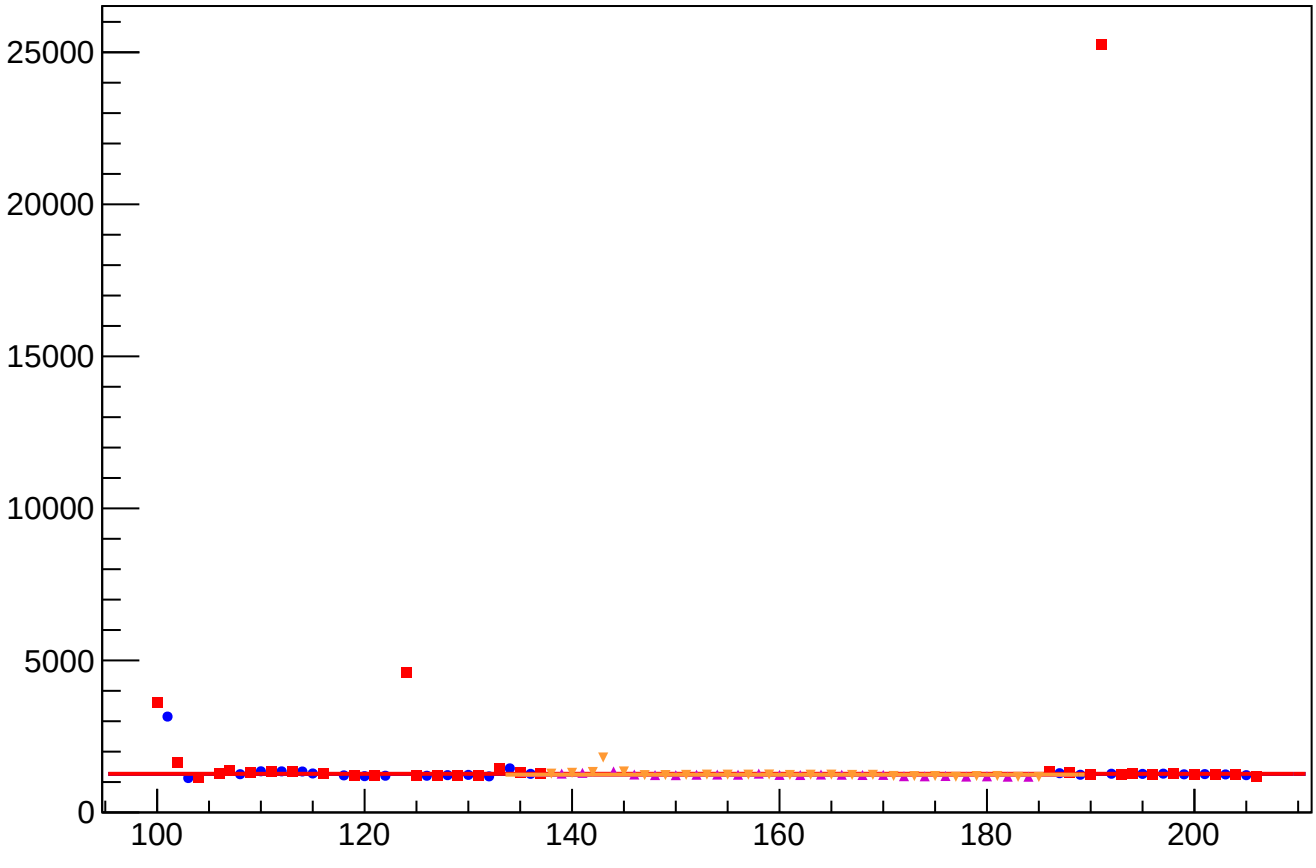
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -203.943+/-232.847 χ^2/NDF: 52.5/55

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -177.594+/-152.563 χ^2/NDF: 91.2/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

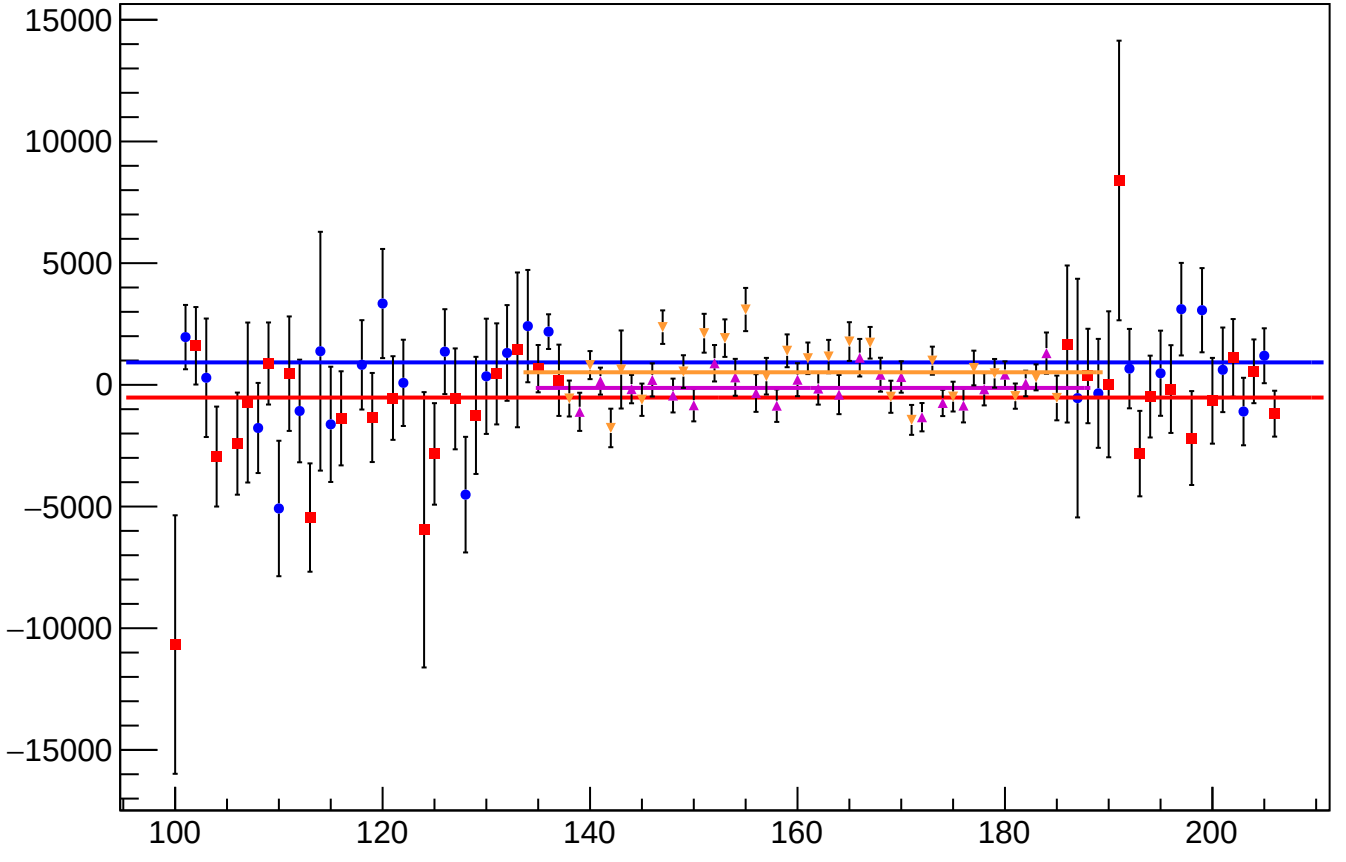
Right: 1268.086+/-0.165 χ^2/NDF: 1016453.1/55

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

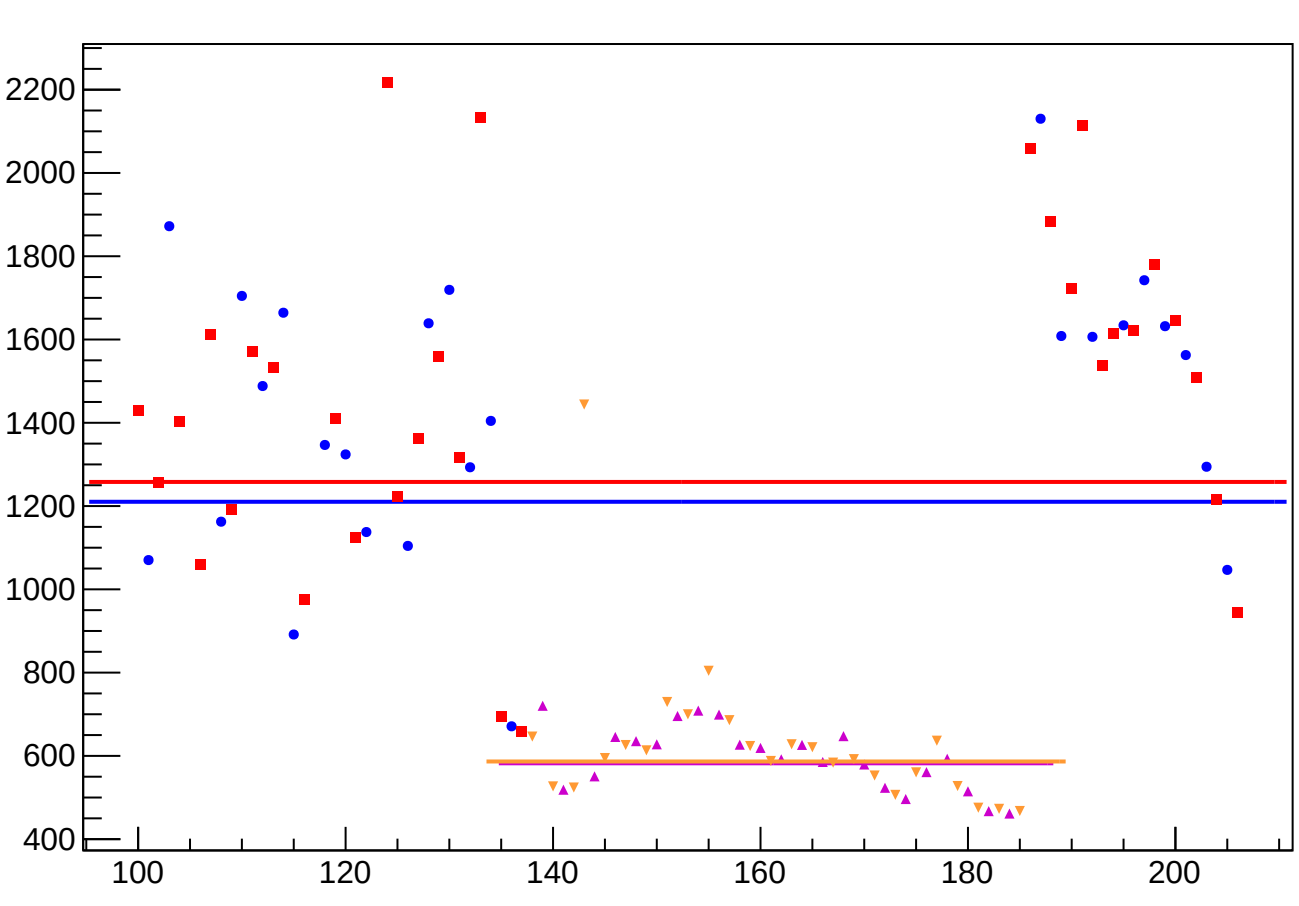
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 175.847+/-235.453 χ^2/NDF: 61.1/55

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 195.421+/-89.308 χ^2/NDF: 160.8/103



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

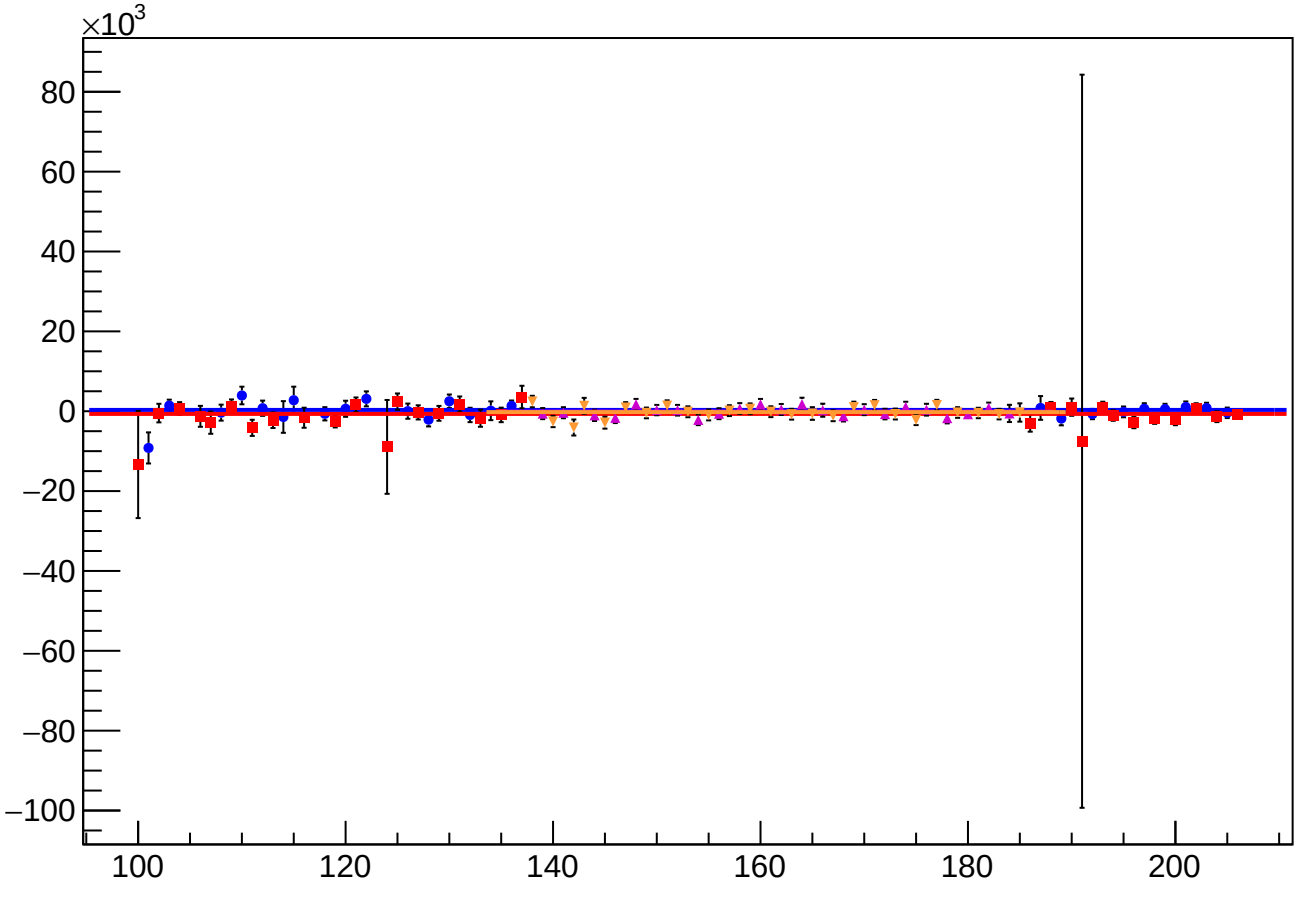
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1234.932+/-0.166 χ^2/NDF: 5074199.9/55

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

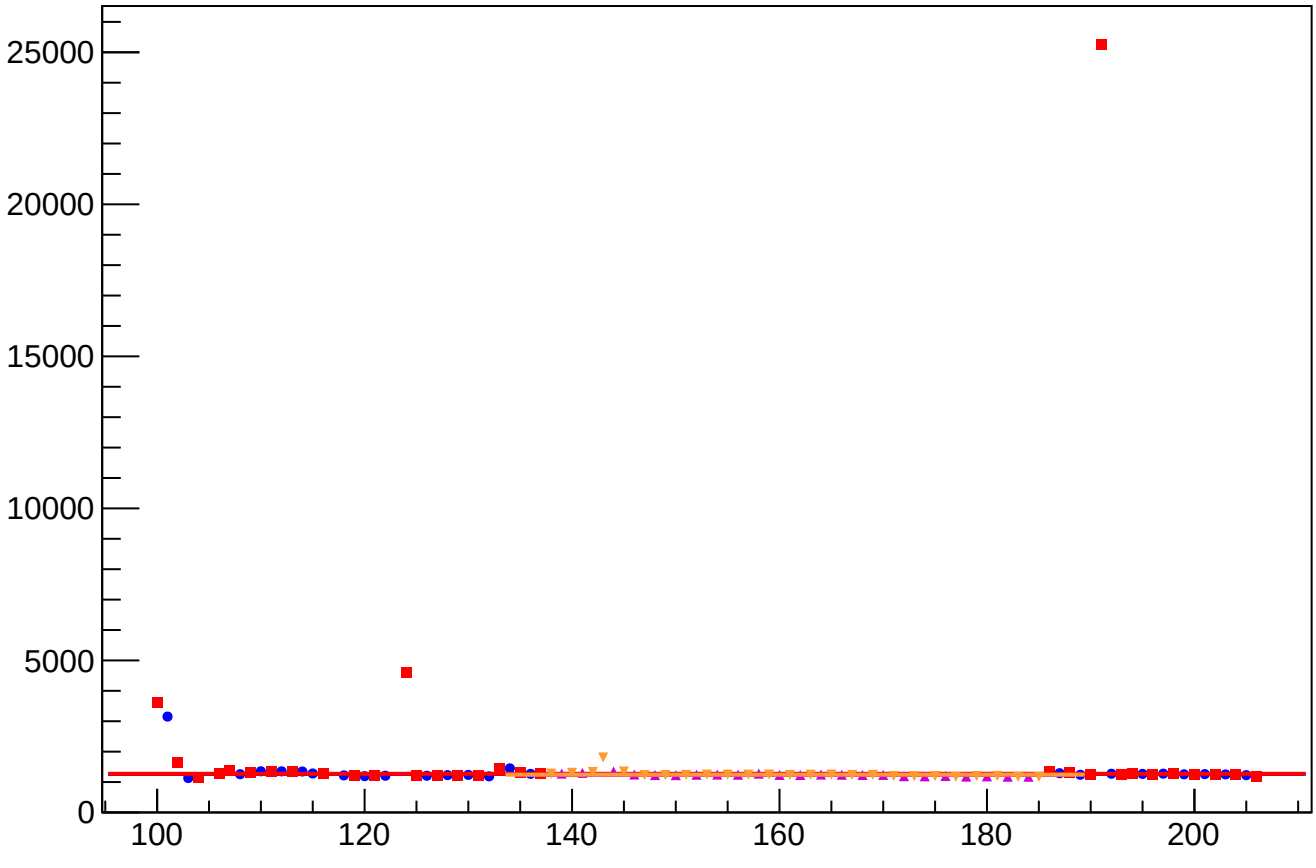
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -203.943+/-232.847 χ^2/NDF: 52.5/55

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -177.594+/-152.563 χ^2/NDF: 91.2/103



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

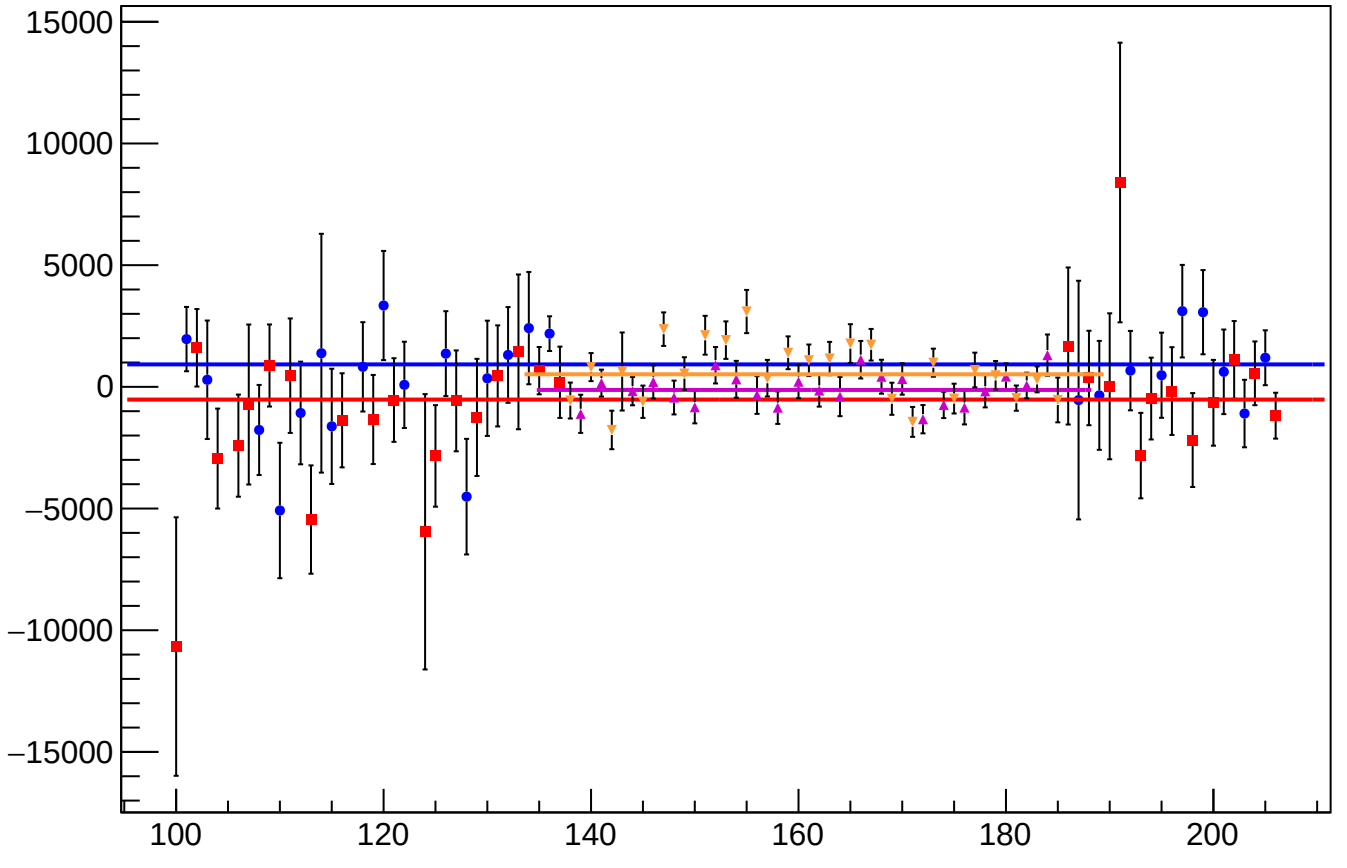
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1268.086+/-0.165 χ^2/NDF: 1016453.1/55

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

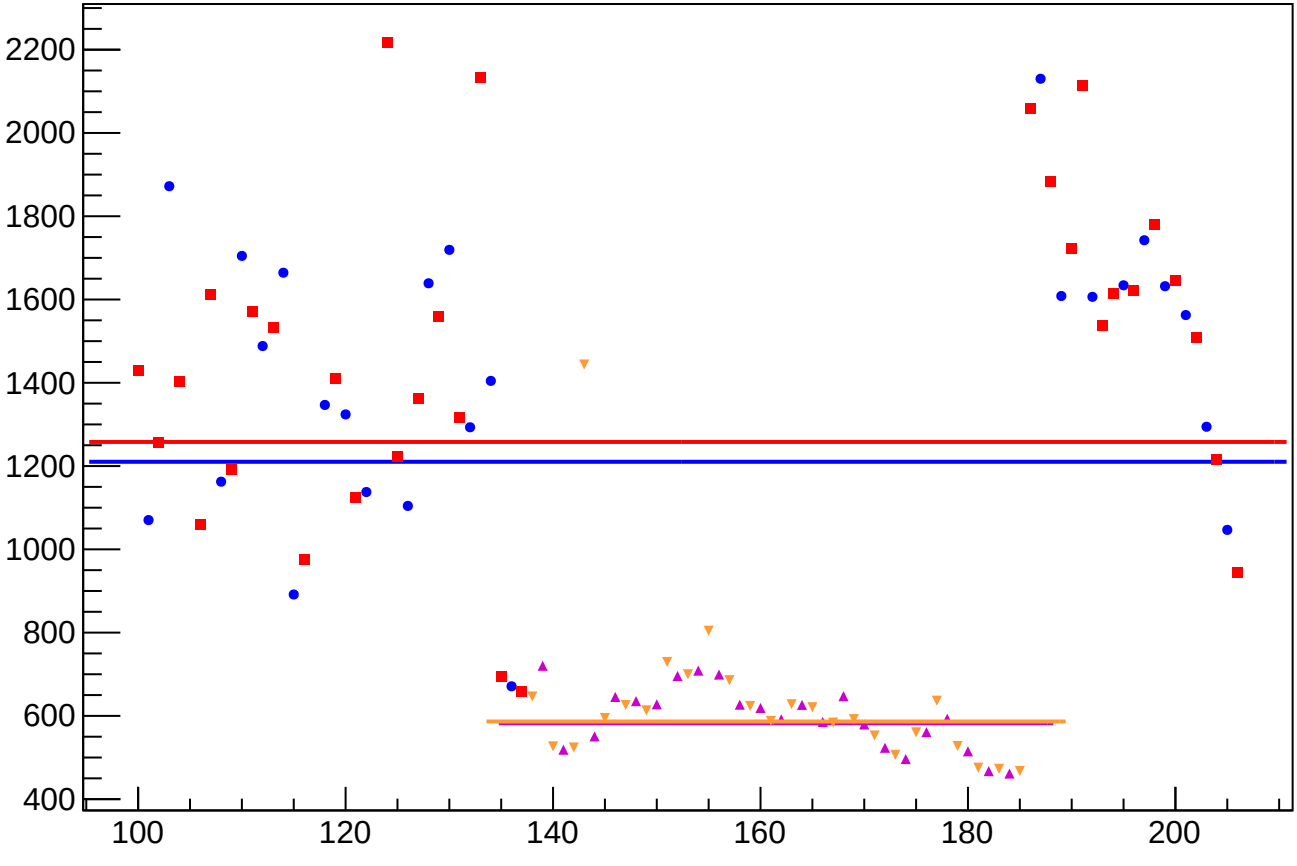
Right: 175.847+/-235.453 χ^2/NDF: 61.1/55

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 195.421+/-89.308 χ^2/NDF: 160.8/103

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

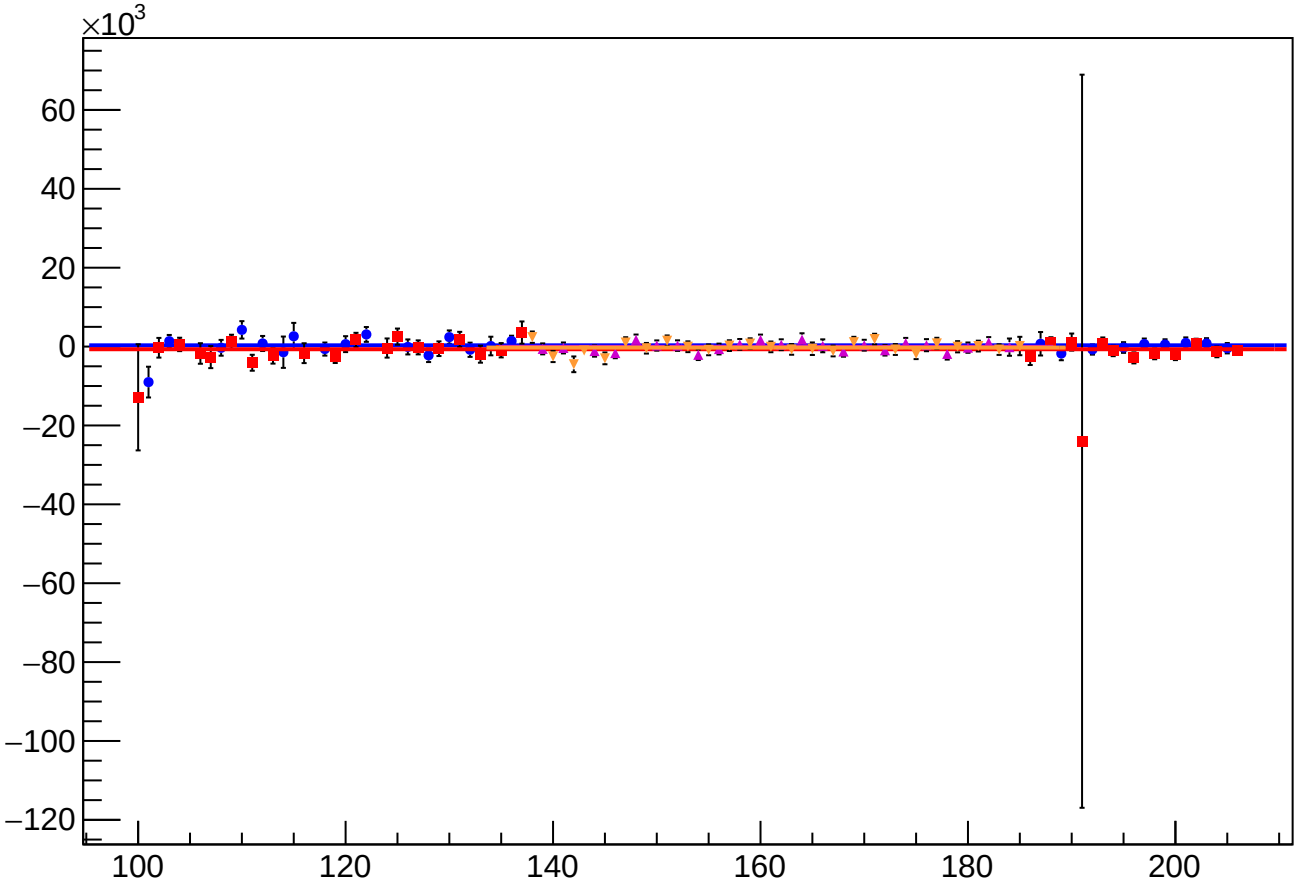
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1234.932+/-0.166 χ^2/NDF: 5074199.9/55

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.726+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

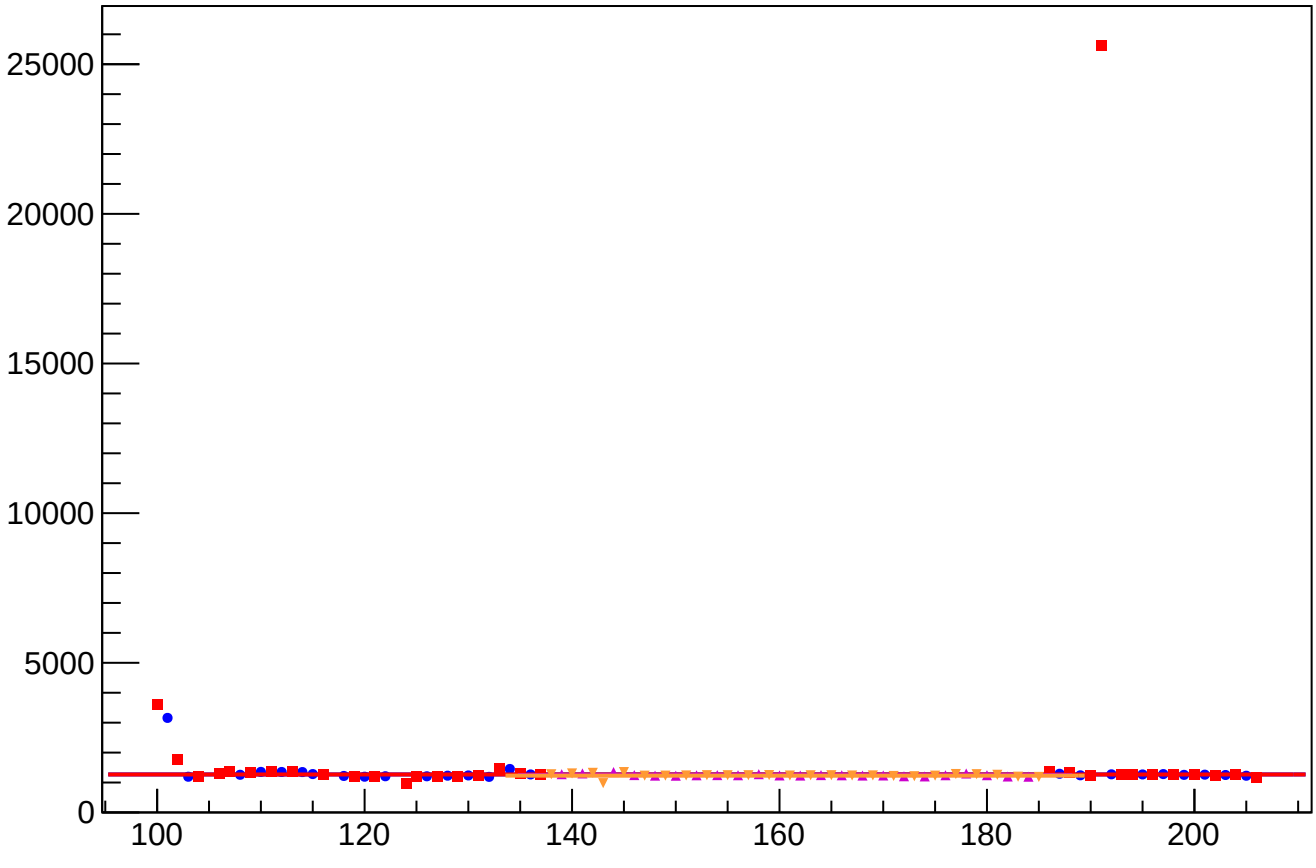
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -213.181+/-232.923 χ^2/NDF: 51.8/55

In: 89.639+/-221.718 χ^2/NDF:35.2/47

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -186.478+/-152.559 χ^2/NDF: 90.1/103



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

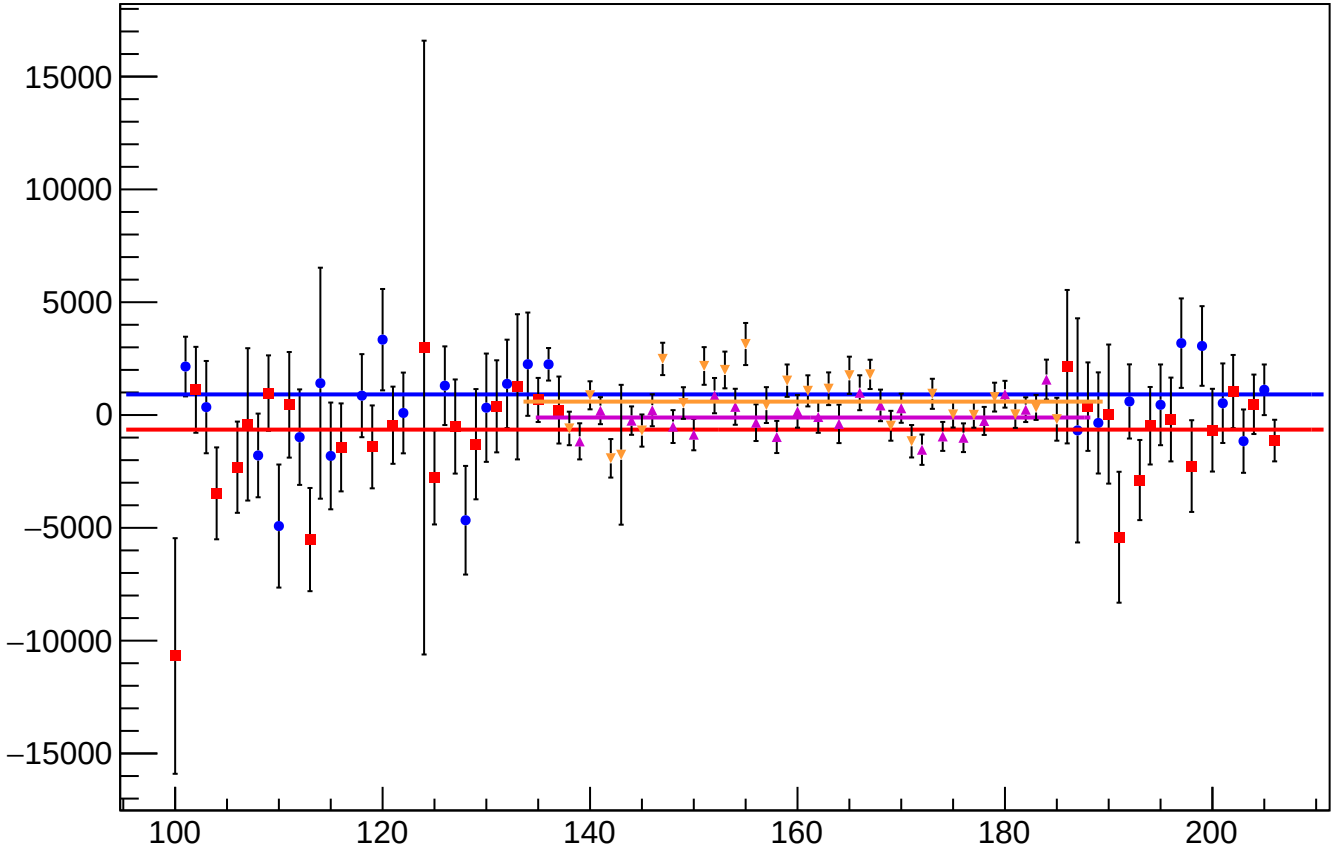
Right: 1269.565+/-0.165 χ^2/NDF: 896476.9/55

In: 1257.260+/-0.157 χ^2/NDF:544193.5/47

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1251.842+/-0.108 χ^2/NDF: 1089583.8/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

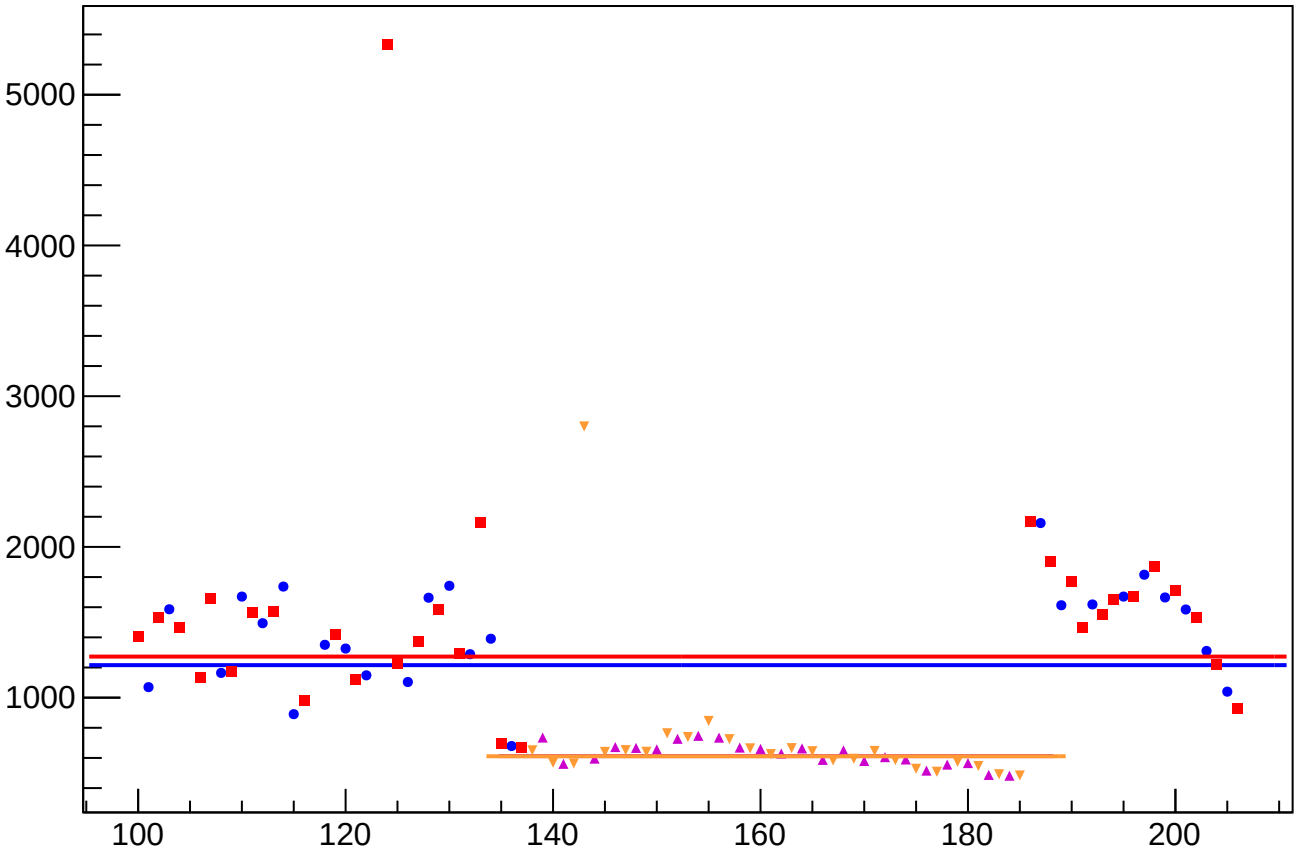
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 110.680+/-236.826 χ^2/NDF: 62.1/55

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 400.839+/-130.543 χ^2/NDF:94.5/55

All: 226.404+/-93.088 χ^2/NDF: 157.5/103



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

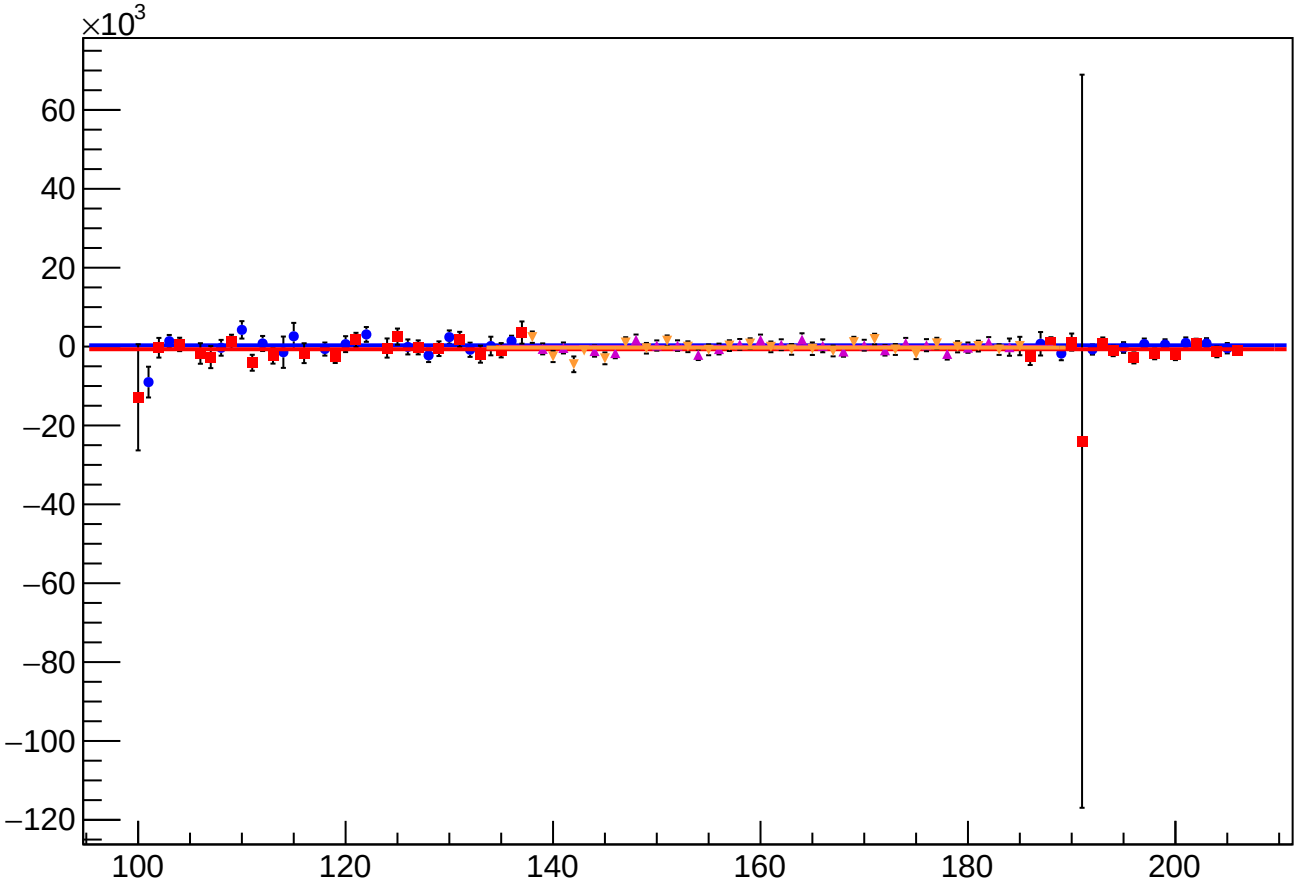
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1244.896+/-0.167 χ^2/NDF: 5325072.3/55

In: 704.415+/-0.094 χ^2/NDF:8241756.0/47

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 709.557+/-0.066 χ^2/NDF: 19540016.5/10



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.725+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

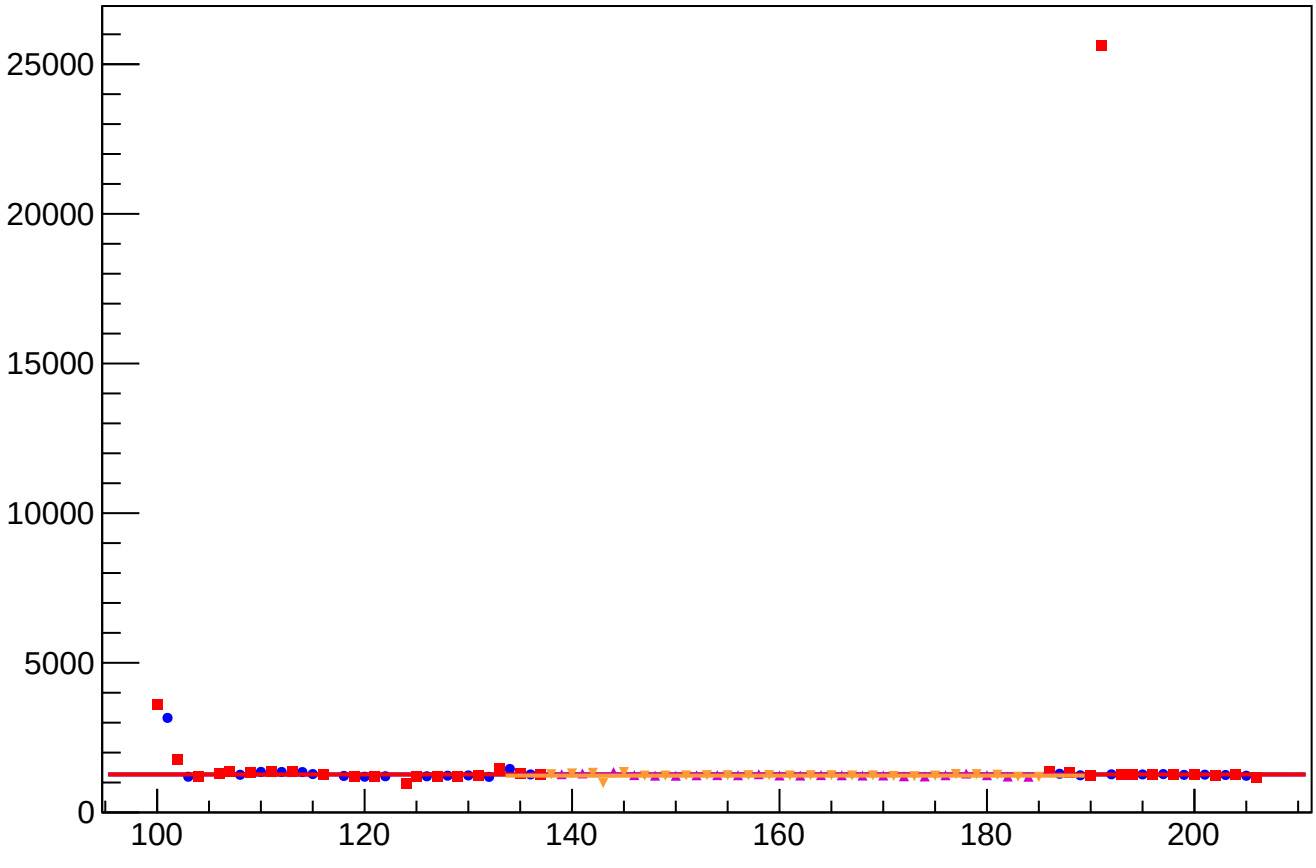
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -213.180+/-232.923 χ^2/NDF: 51.8/55

In: 89.640+/-221.718 χ^2/NDF:35.2/47

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -186.478+/-152.559 χ^2/NDF: 90.1/103



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

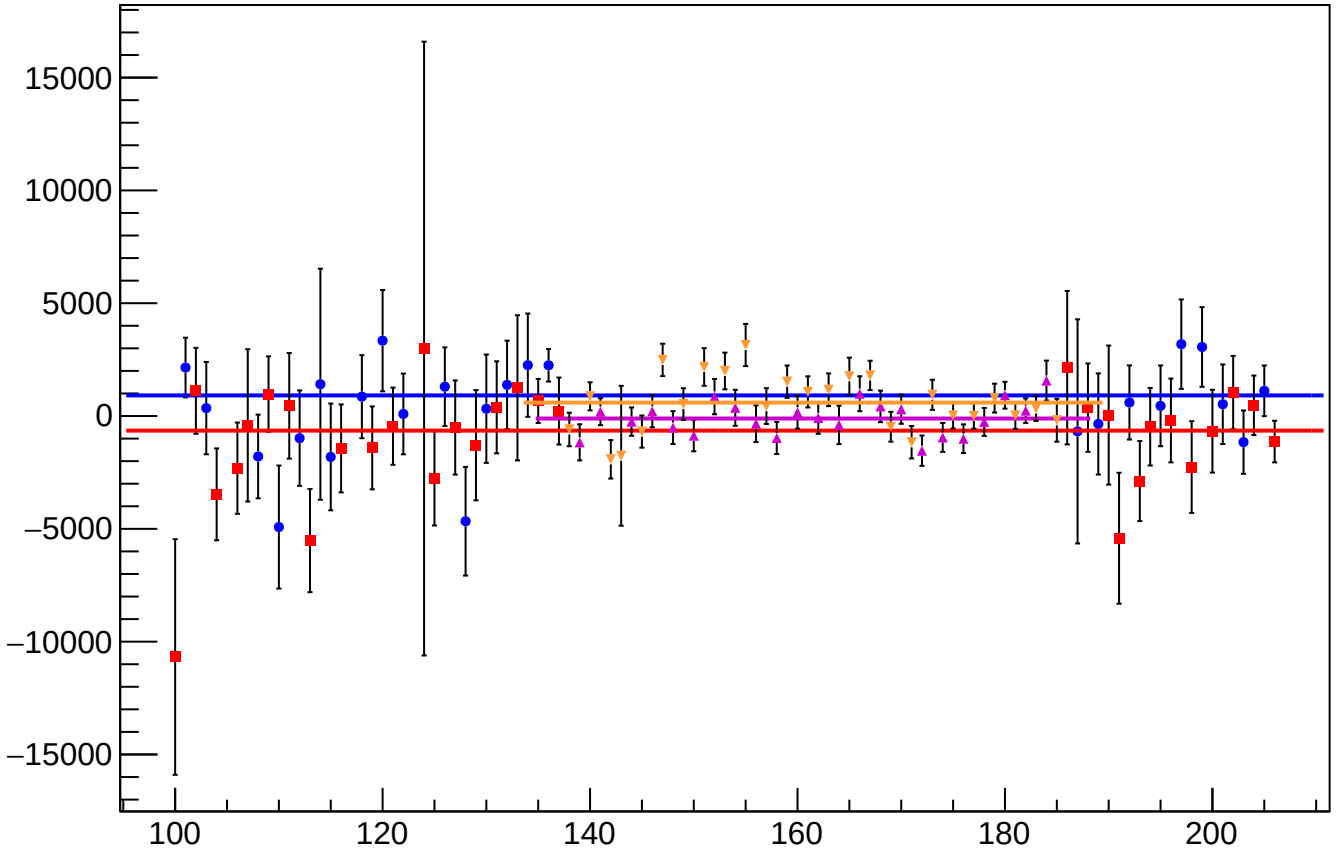
Right: 1269.565+/-0.165 χ^2/NDF: 896476.8/55

In: 1257.260+/-0.157 χ^2/NDF:544193.6/47

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1251.841+/-0.108 χ^2/NDF: 1089582.7/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

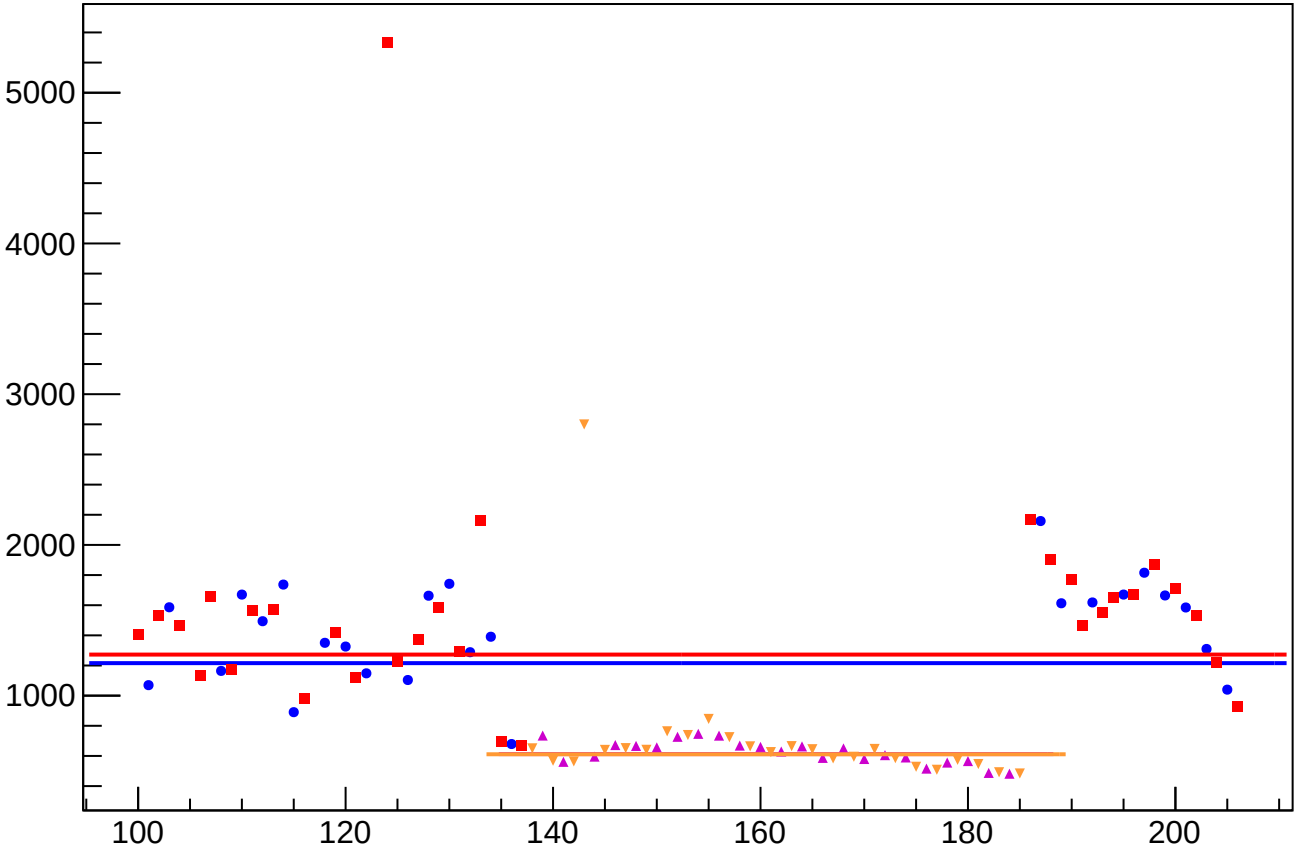
Right: 110.674+/-236.826 χ^2/NDF: 62.1/55

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 400.838+/-130.543 χ^2/NDF:94.5/55

All: 226.403+/-93.088 χ^2/NDF: 157.5/103

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

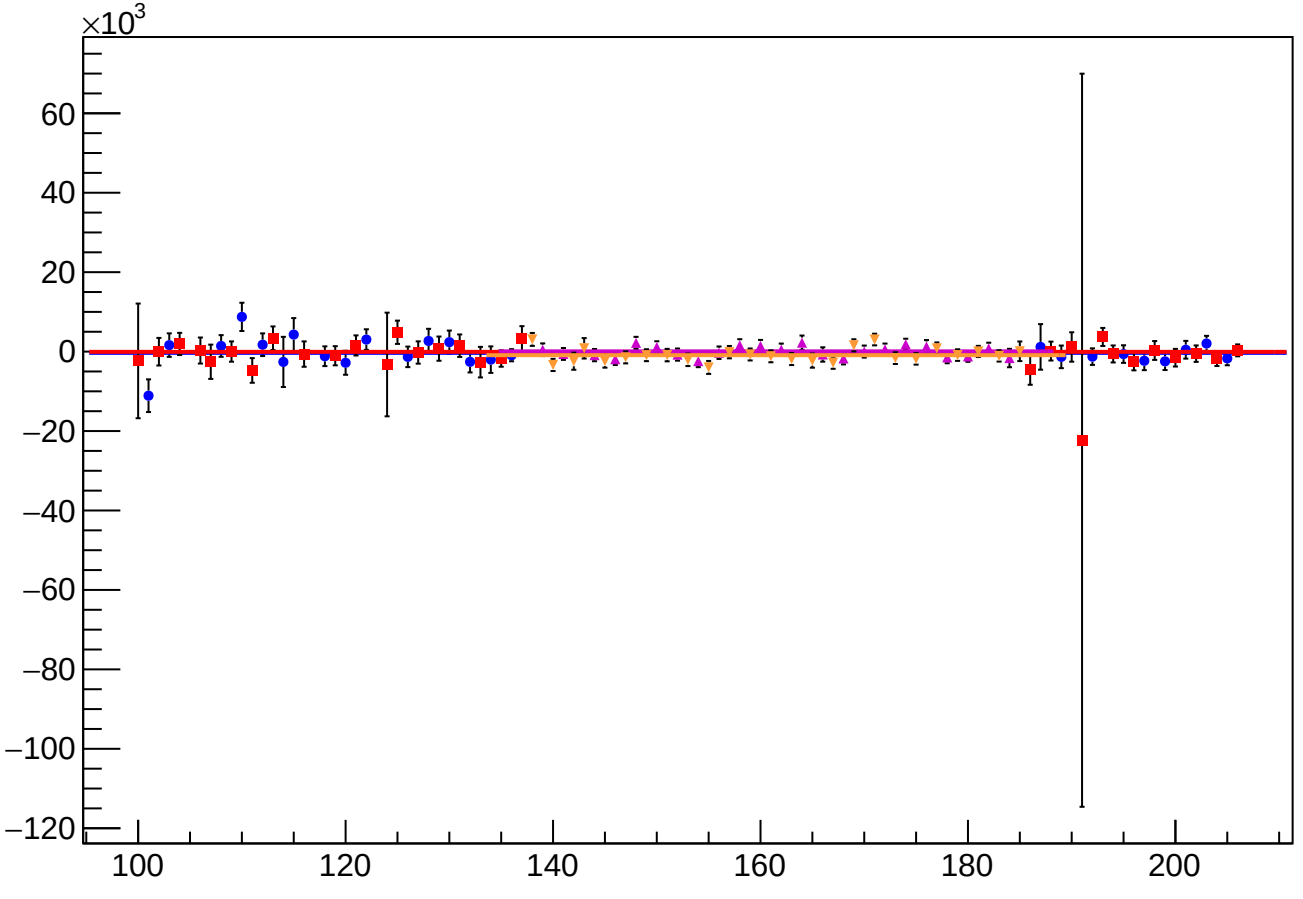
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1244.899+/-0.167 χ^2/NDF: 5324948.2/55

In: 704.414+/-0.094 χ^2/NDF:8241751.6/47

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 709.557+/-0.066 χ^2/NDF: 19540003.3/10



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -60.104+/-482.403 χ^2/NDF: 17.2/30

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

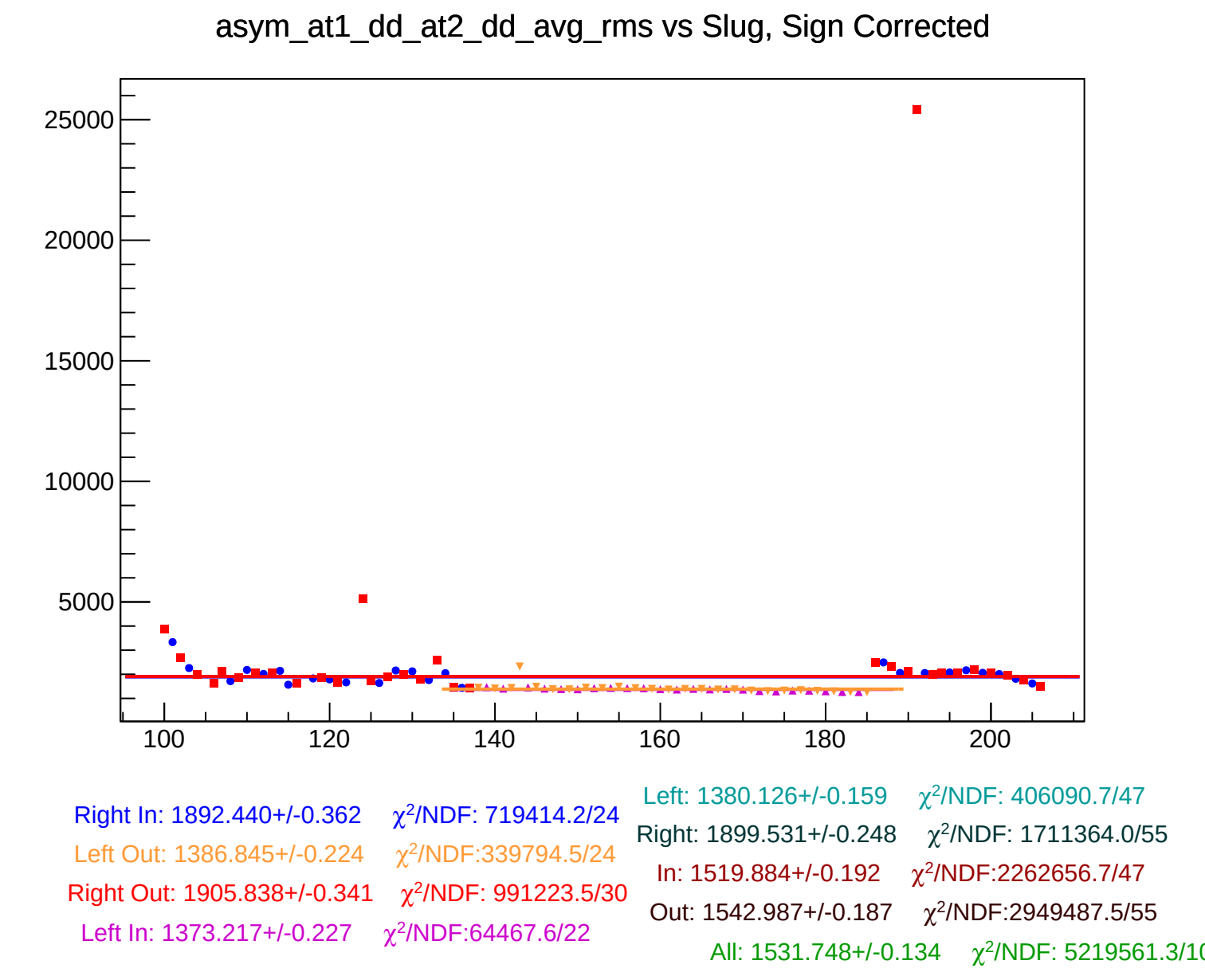
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

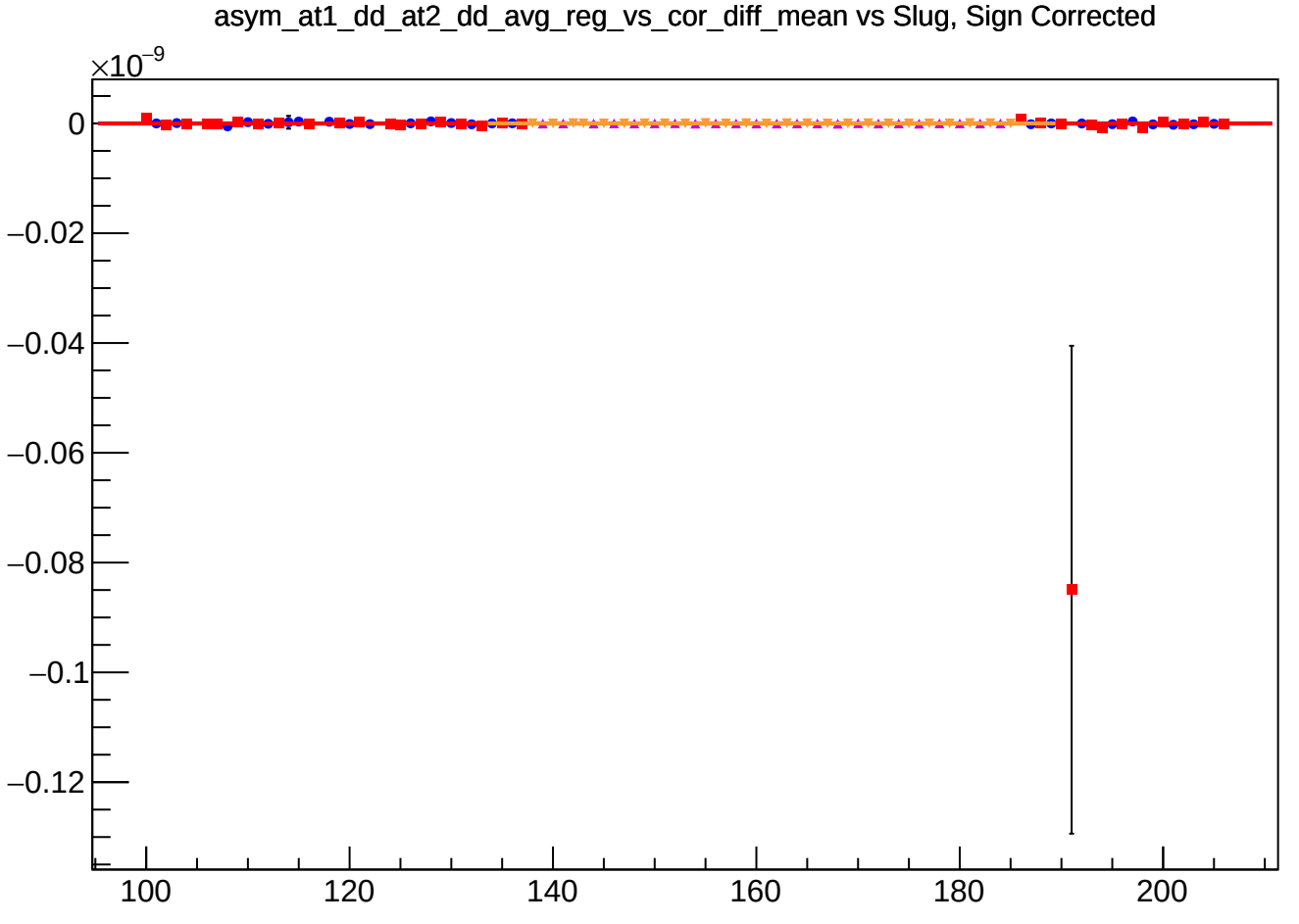
Right: -178.952+/-350.943 χ^2/NDF: 43.3/55

In: -53.723+/-271.849 χ^2/NDF:44.2/47

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -358.502+/-189.611 χ^2/NDF: 95.8/103


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1892.440+/-0.362 χ²/NDF: 719414.2/24
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1905.838+/-0.341 χ²/NDF: 991223.5/30
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1899.531+/-0.248 χ²/NDF: 1711364.0/55
In: 1519.884+/-0.192 χ²/NDF:2262656.7/47
Out: 1542.987+/-0.187 χ²/NDF:2949487.5/55
All: 1531.748+/-0.134 χ²/NDF: 5219561.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

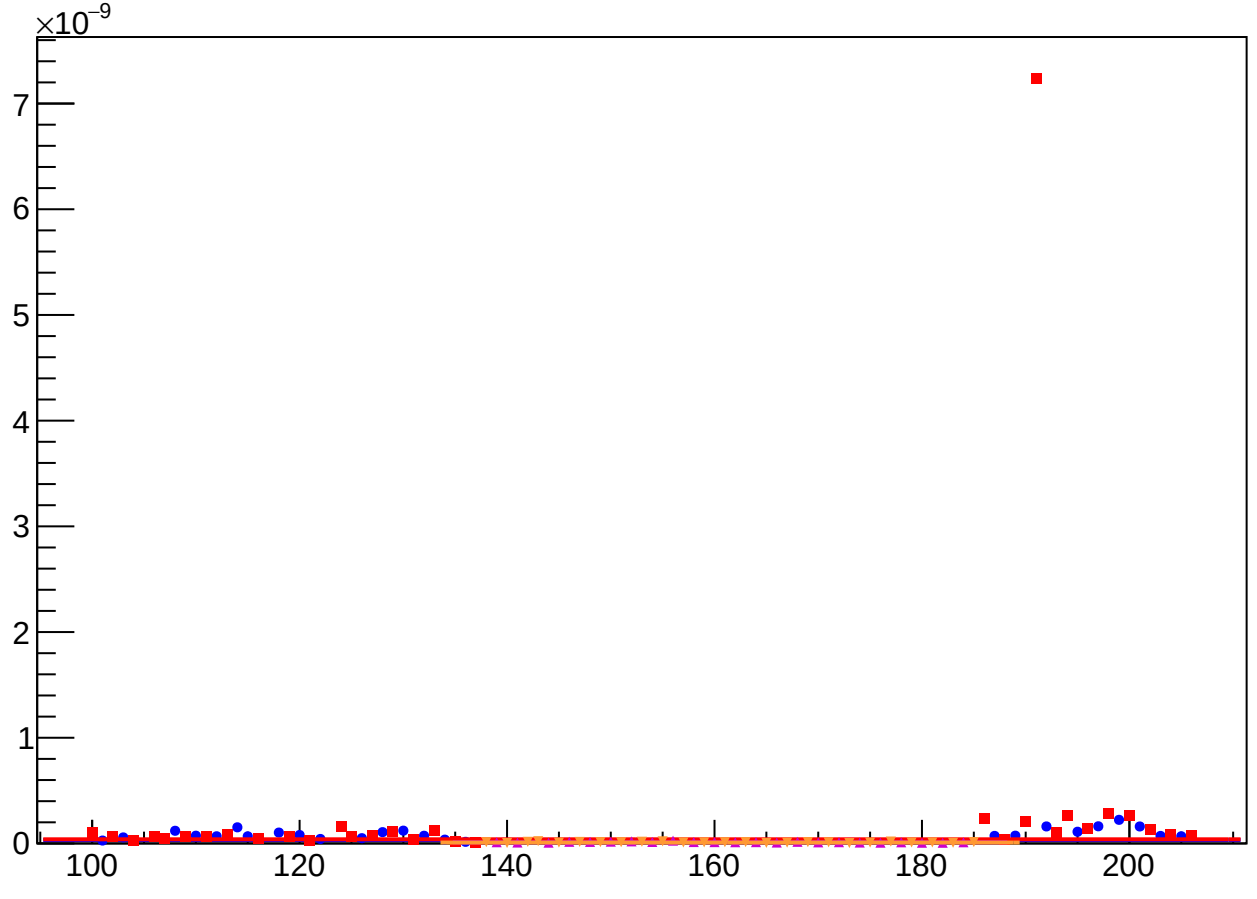
Right: -0.000+/-0.000 χ^2/NDF: 69.6/55

In: 0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.2/103

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

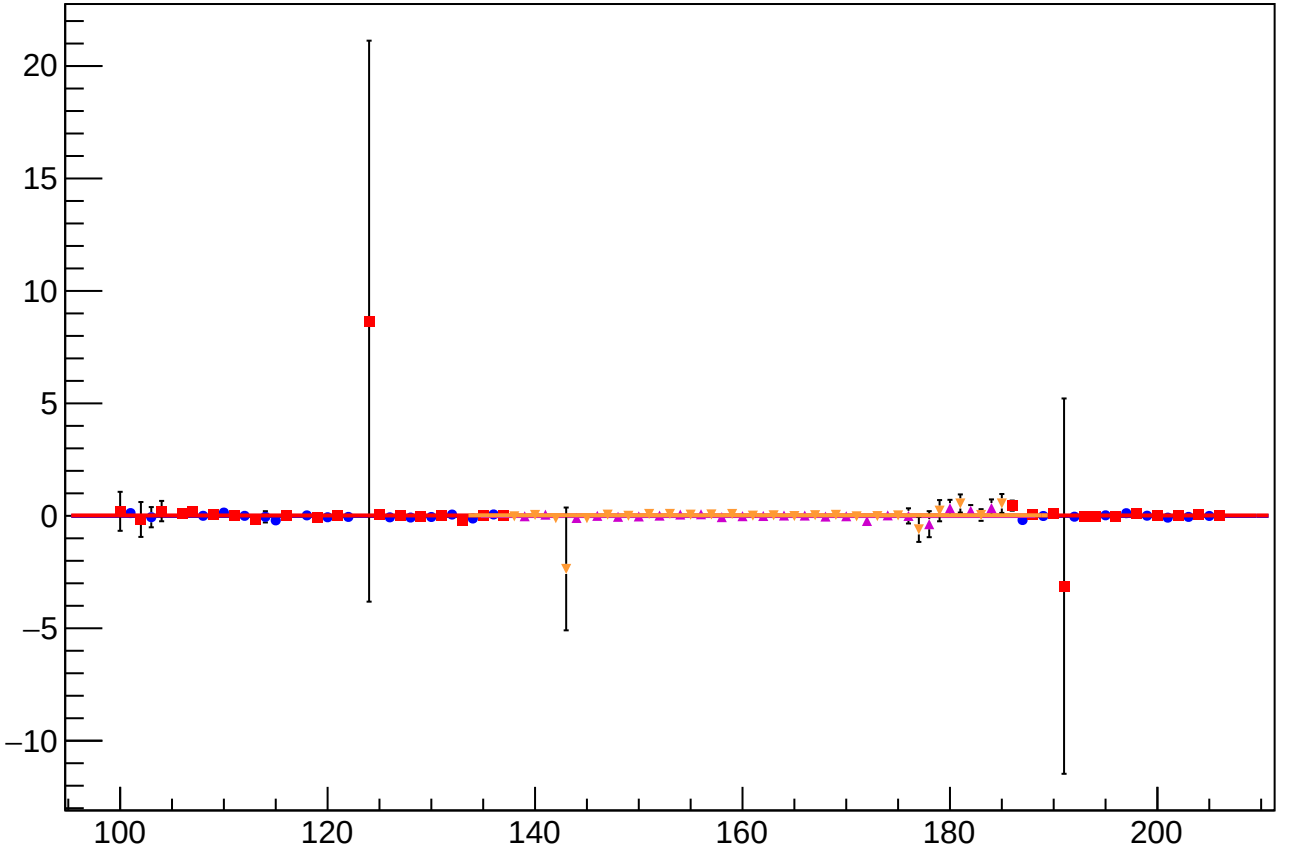
Right: 0.000+/-0.000 χ^2/NDF: 12150464.2/55

In: 0.000+/-0.000 χ^2/NDF:9551877.2/47

Out: 0.000+/-0.000 χ^2/NDF:12999438.4/55

All: 0.000+/-0.000 χ^2/NDF: 22819019.6/103

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

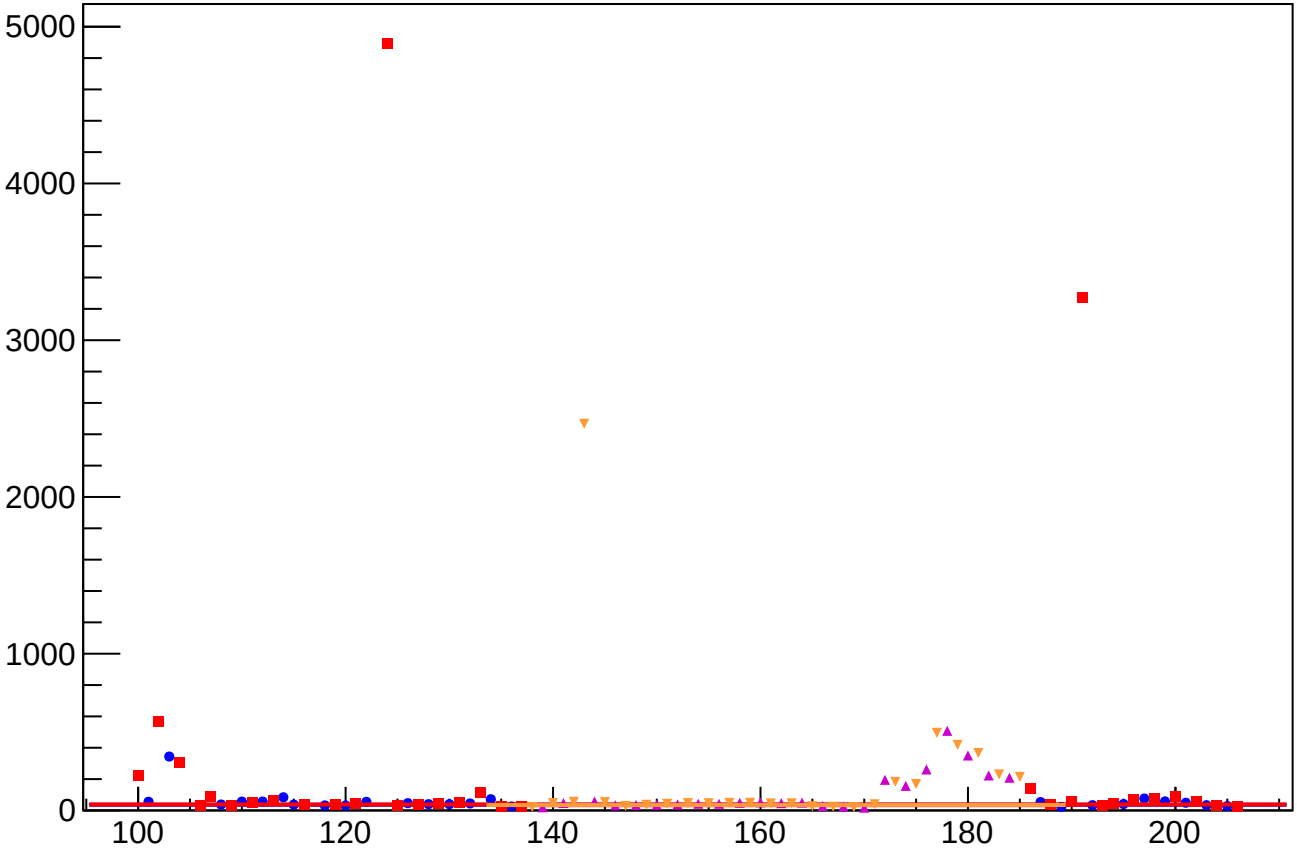
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

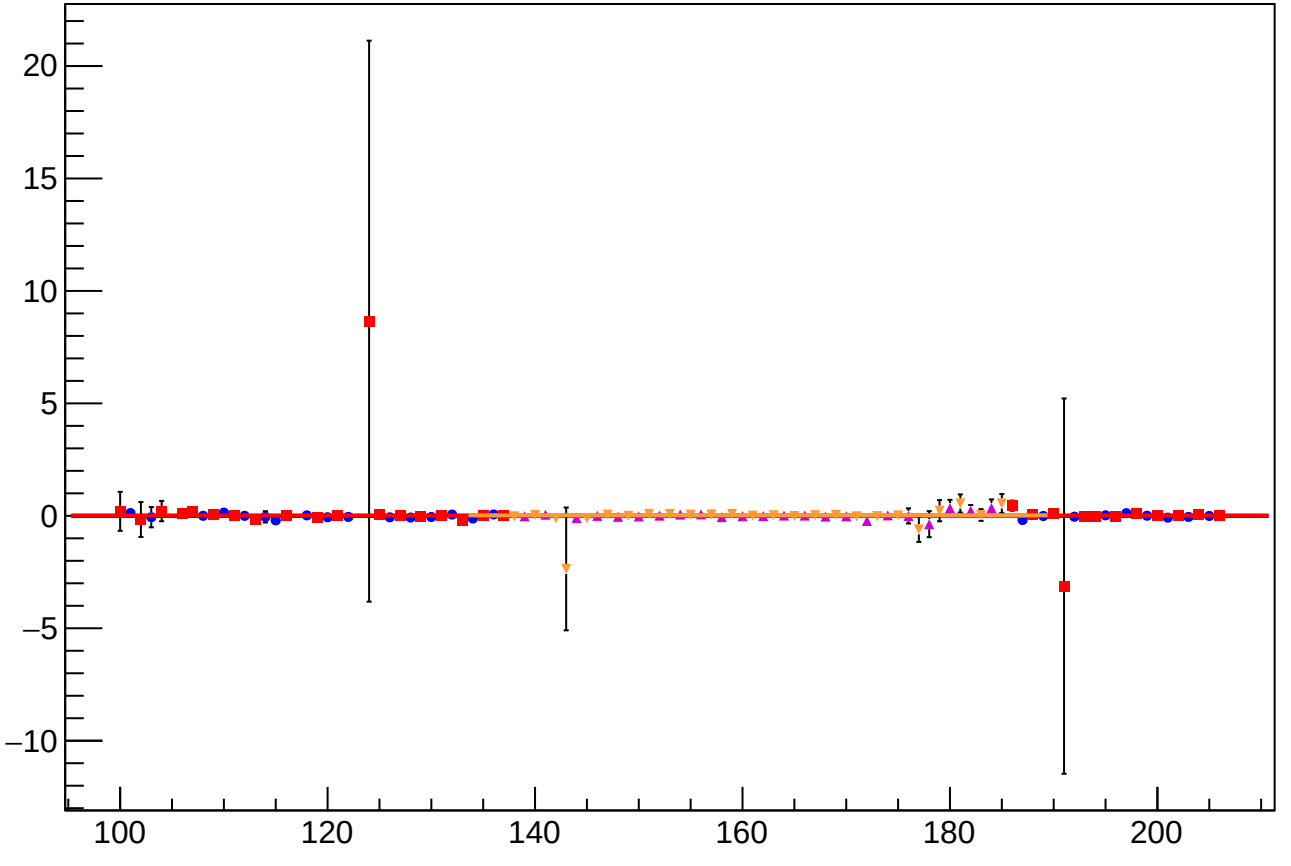
Right: 37.280+/-0.006 χ^2/NDF: 9012881.1/55

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

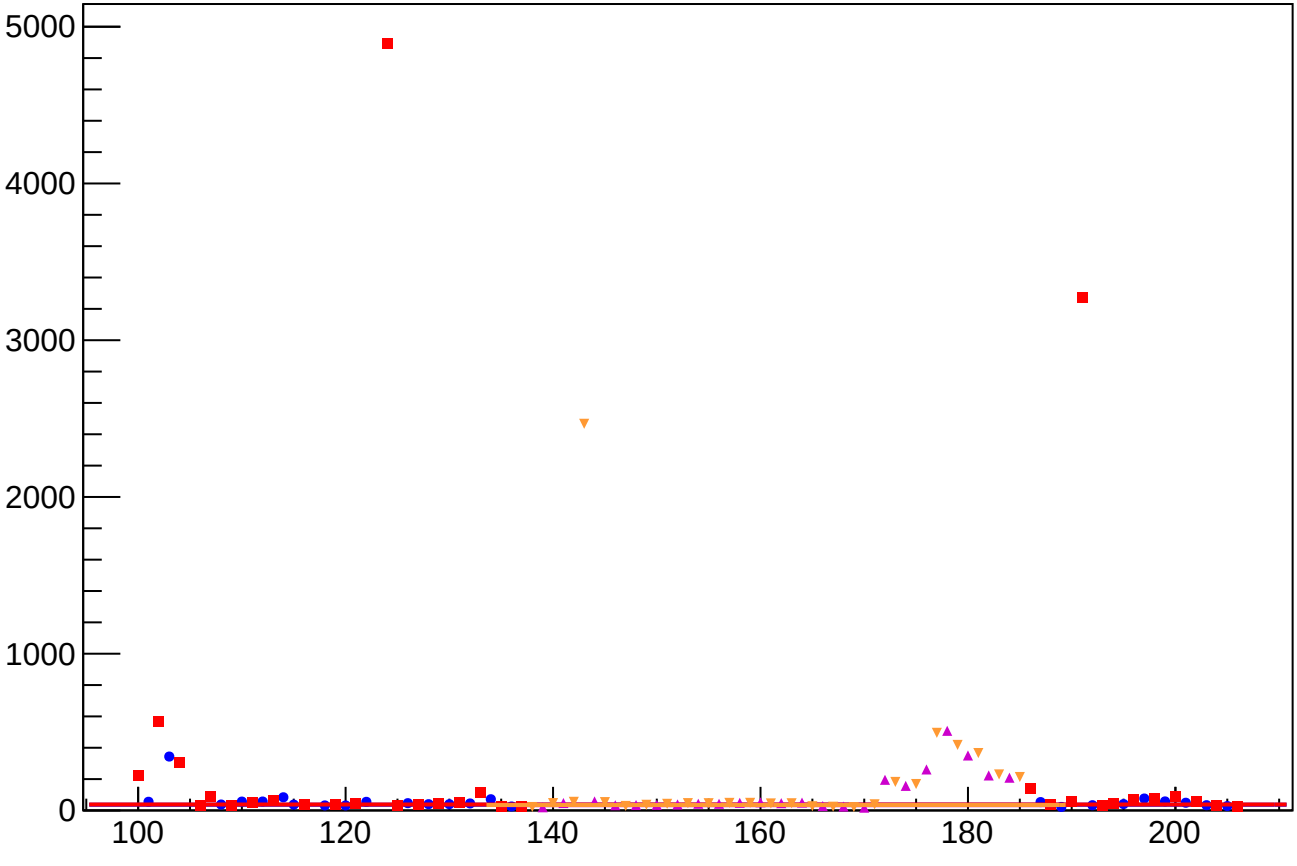
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

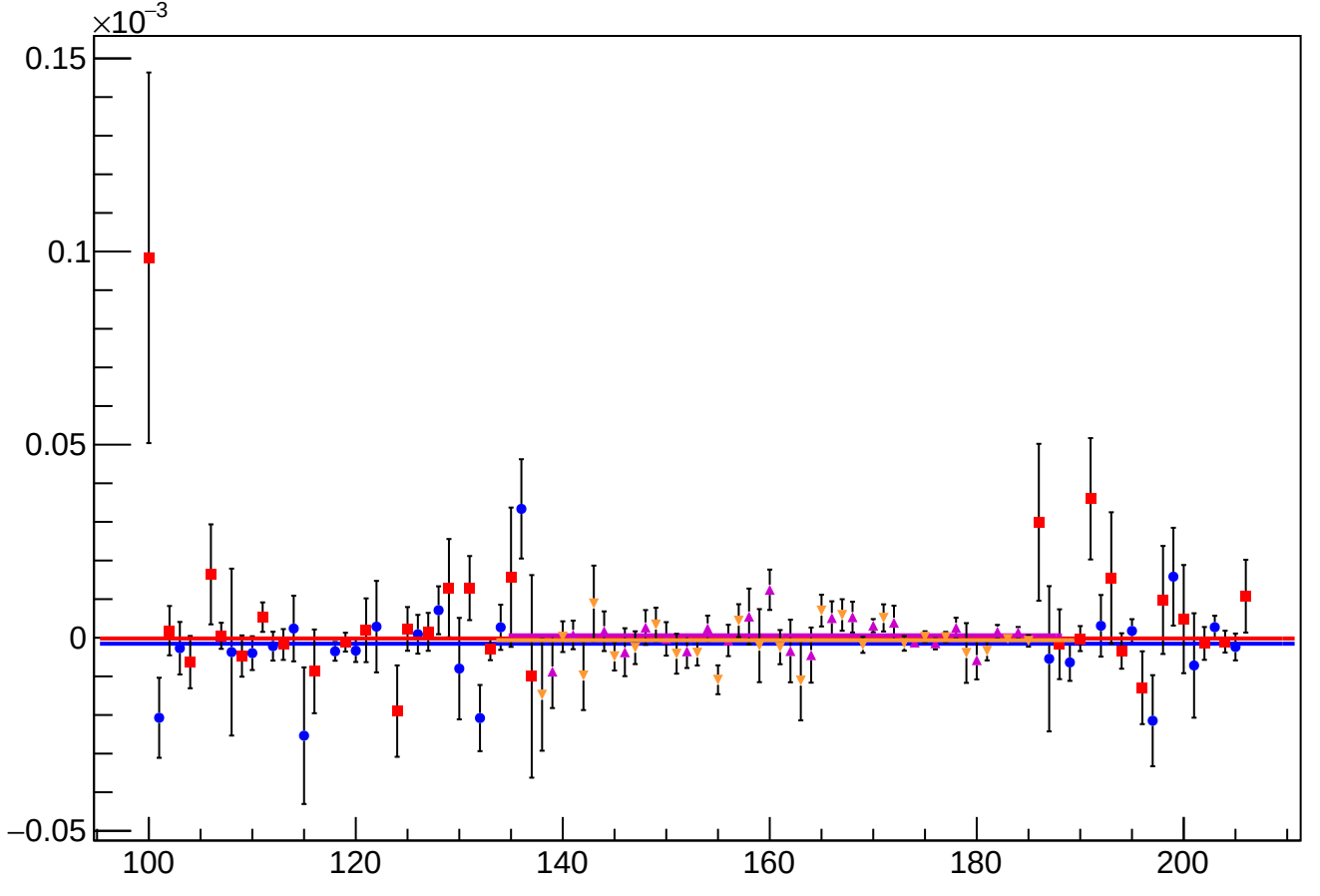
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.280+/-0.006 χ^2/NDF: 9012881.1/55

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

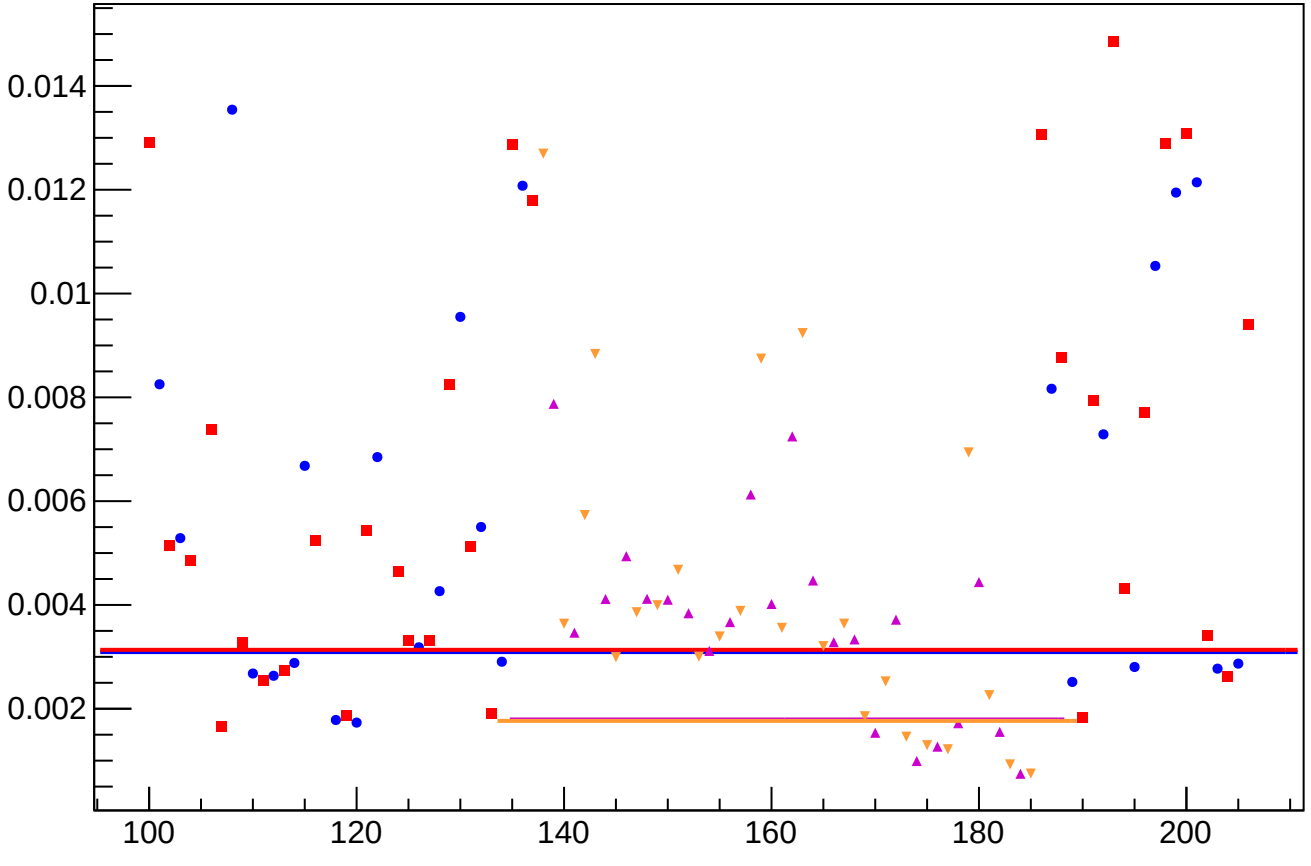
Right: -0.000+/-0.000 χ^2/NDF: 64.7/55

In: 0.000+/-0.000 χ^2/NDF:57.5/47

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 118.9/103

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

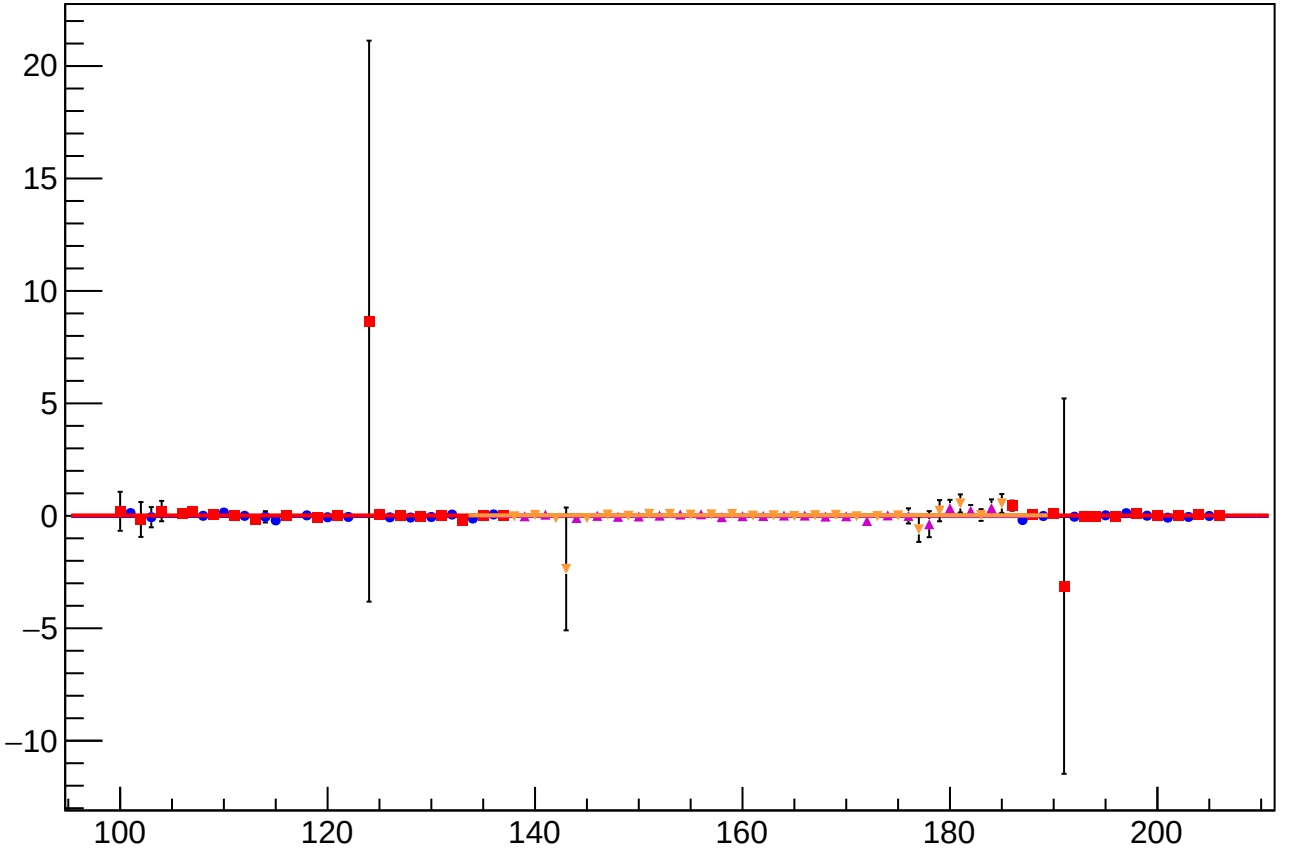
Right: 0.003+/-0.000 χ^2/NDF: 17415009.9/55

In: 0.002+/-0.000 χ^2/NDF:20965279.7/47

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 46856737.2/103

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

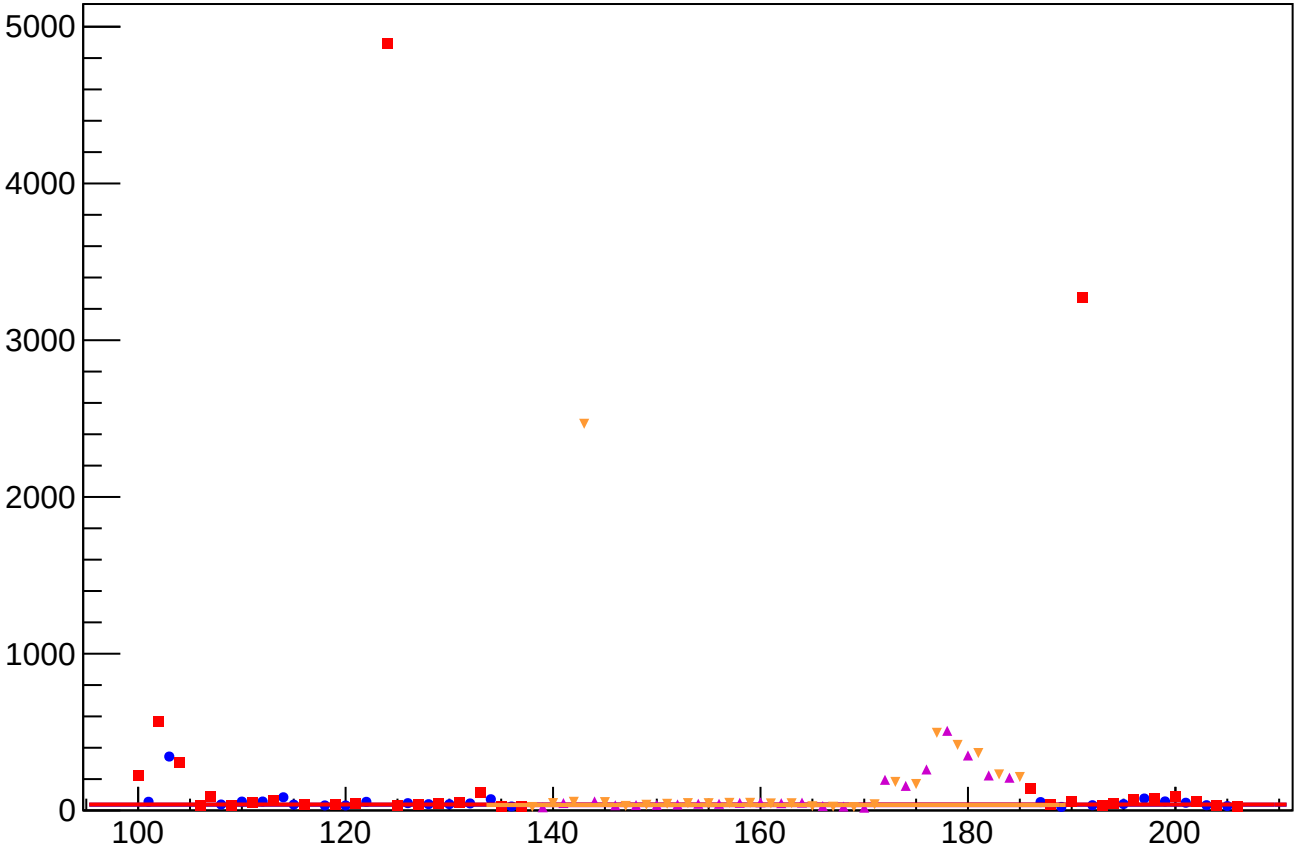
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

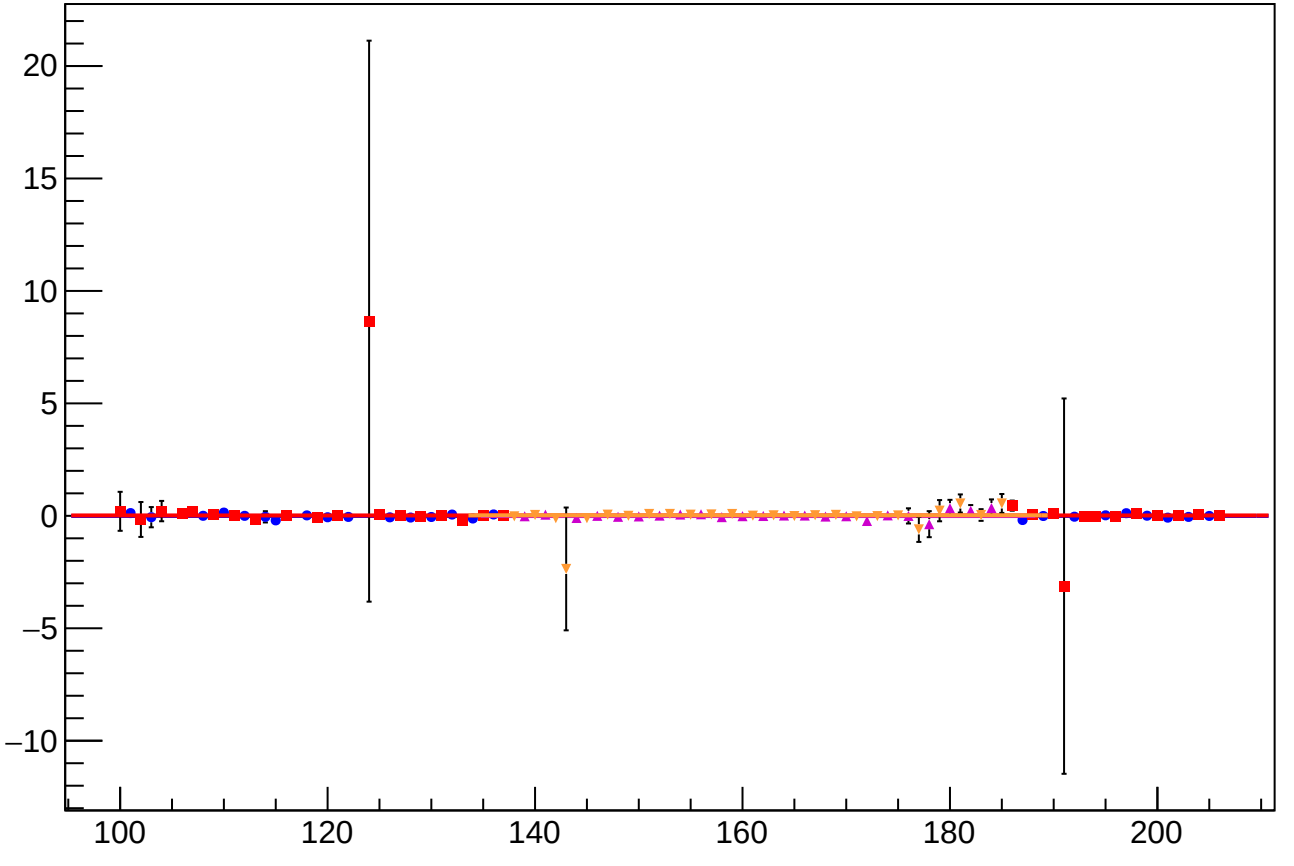
Right: 37.281+/-0.006 χ^2/NDF: 9011790.7/55

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

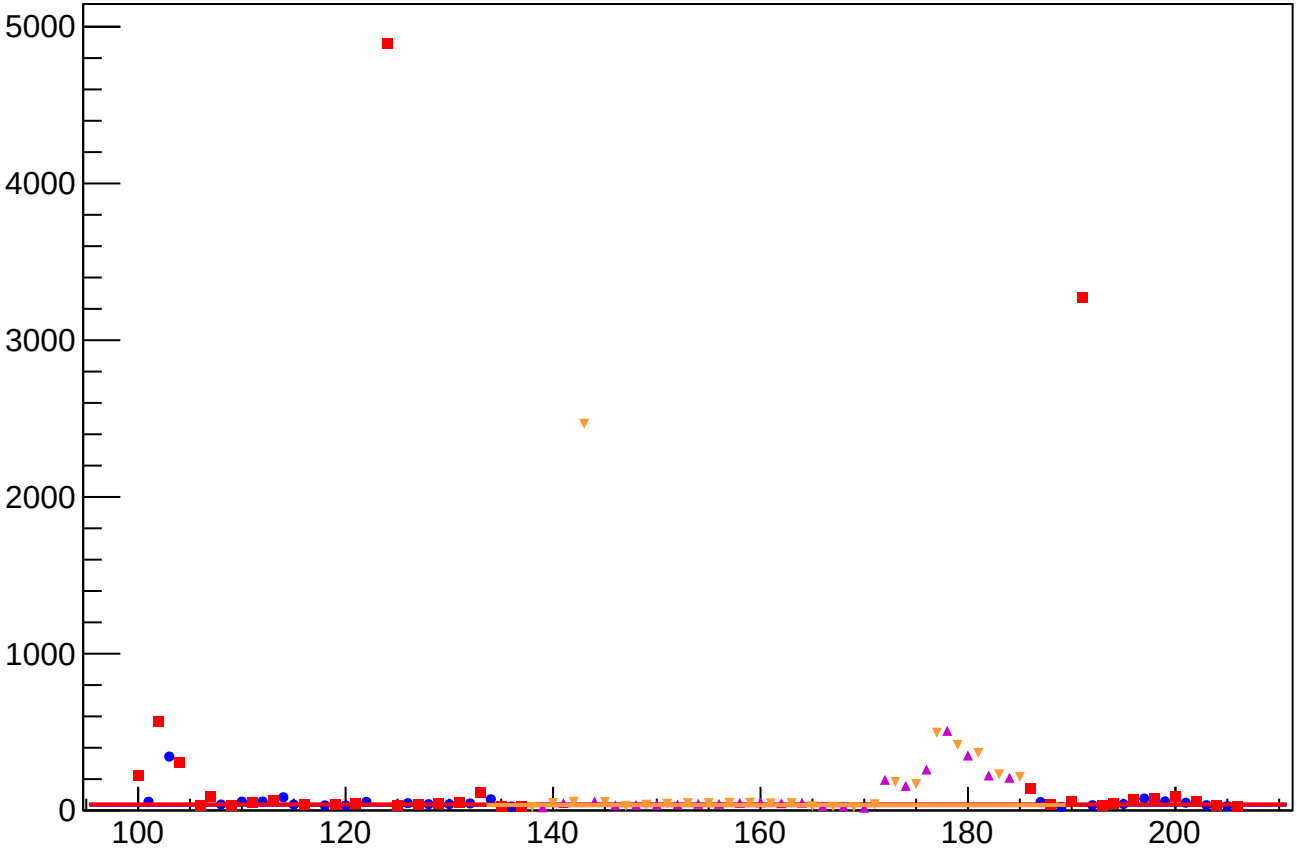
Right: 0.005+/-0.008 χ^2/NDF: 52.4/55

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.006+/-0.005 χ^2/NDF: 95.4/103

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

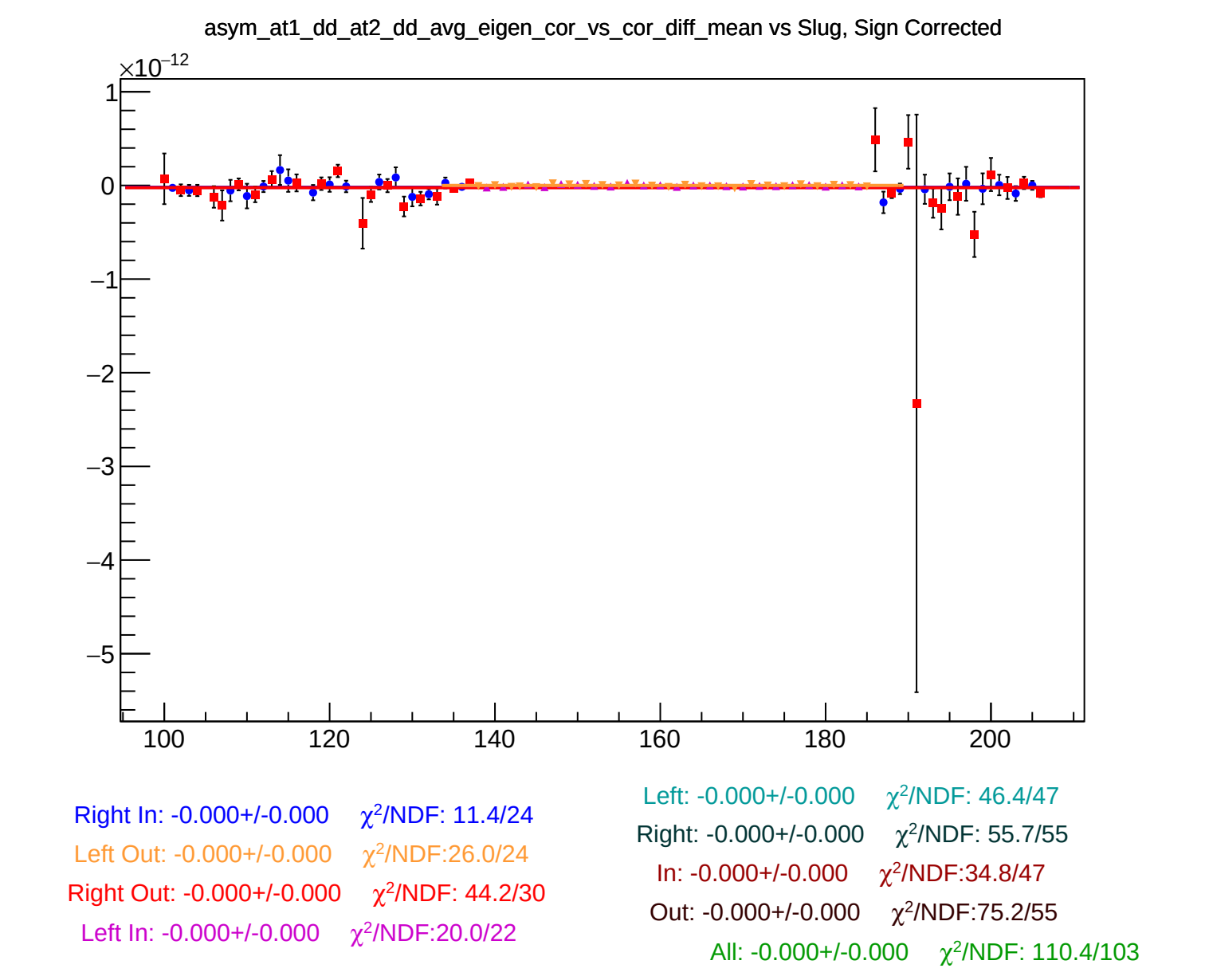
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 37.281+/-0.006 χ^2/NDF: 9011790.7/55

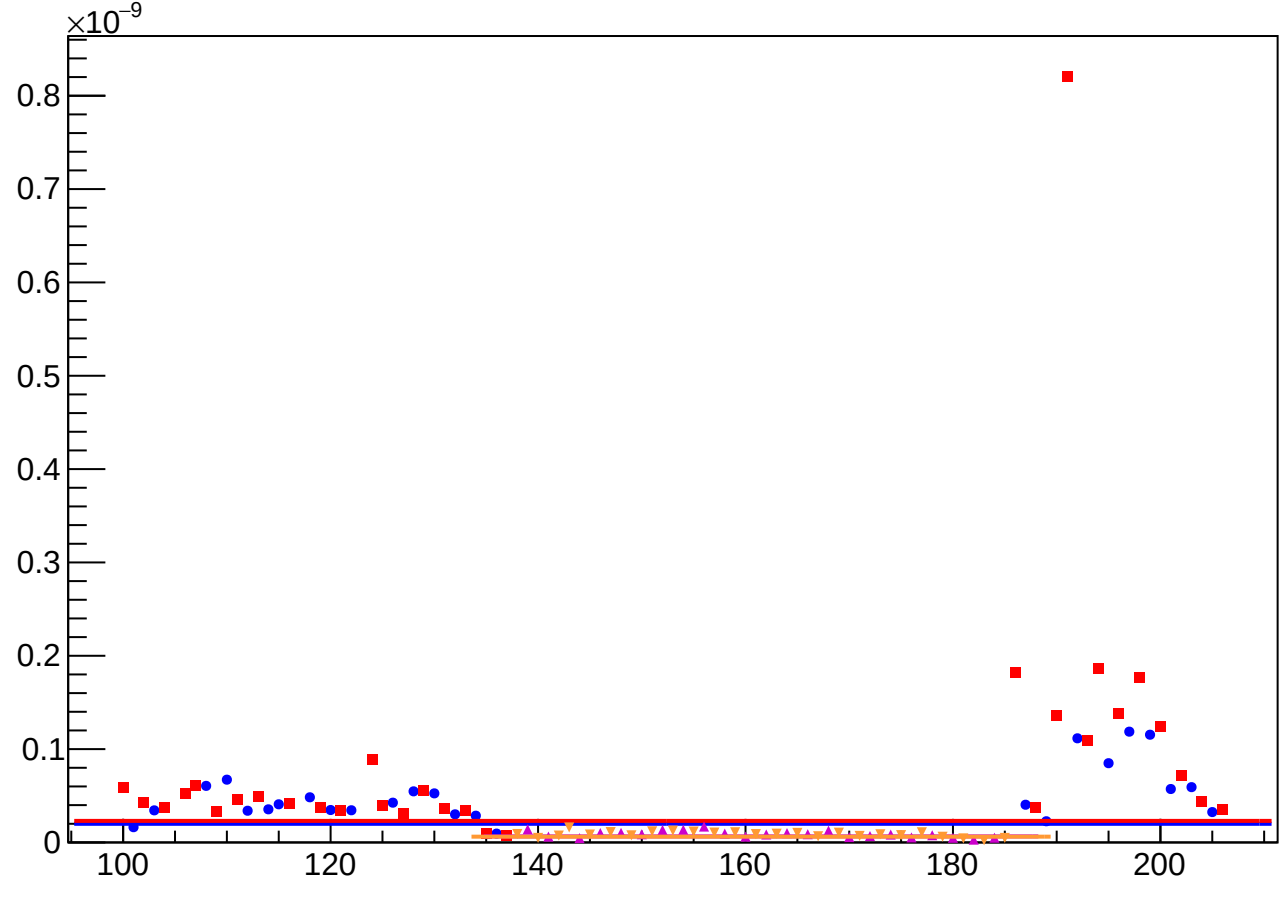
In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.4/24
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 44.2/30
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 55.7/55
In: -0.000+/-0.000 χ²/NDF:34.8/47
Out: -0.000+/-0.000 χ²/NDF:75.2/55
All: -0.000+/-0.000 χ²/NDF: 110.4/103

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

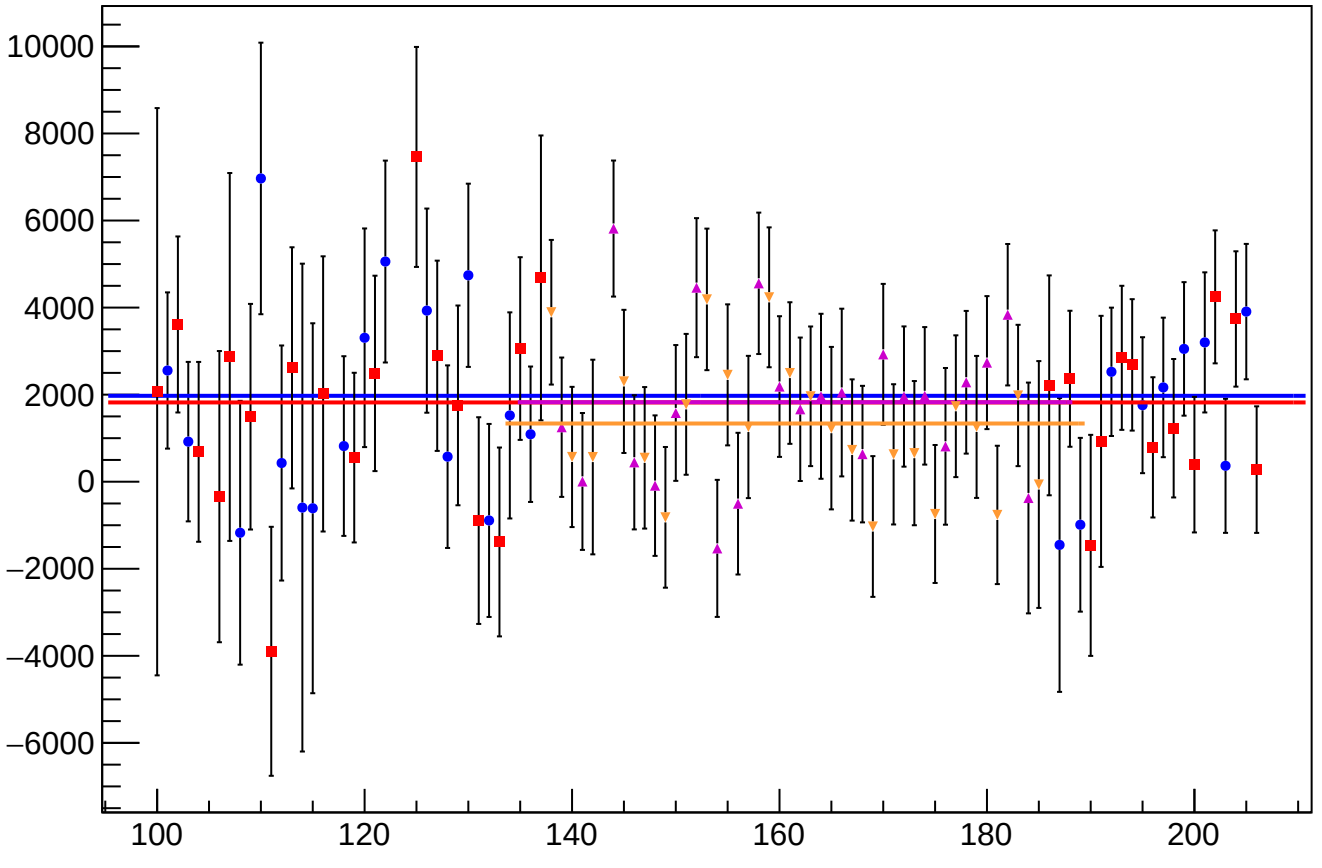
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16404461.3/55

In: 0.000+/-0.000 χ^2/NDF:14653952.8/47

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 34603213.1/103



Right In: 1973.286+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1820.899+/-377.104 χ^2/NDF: 25.2/29

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

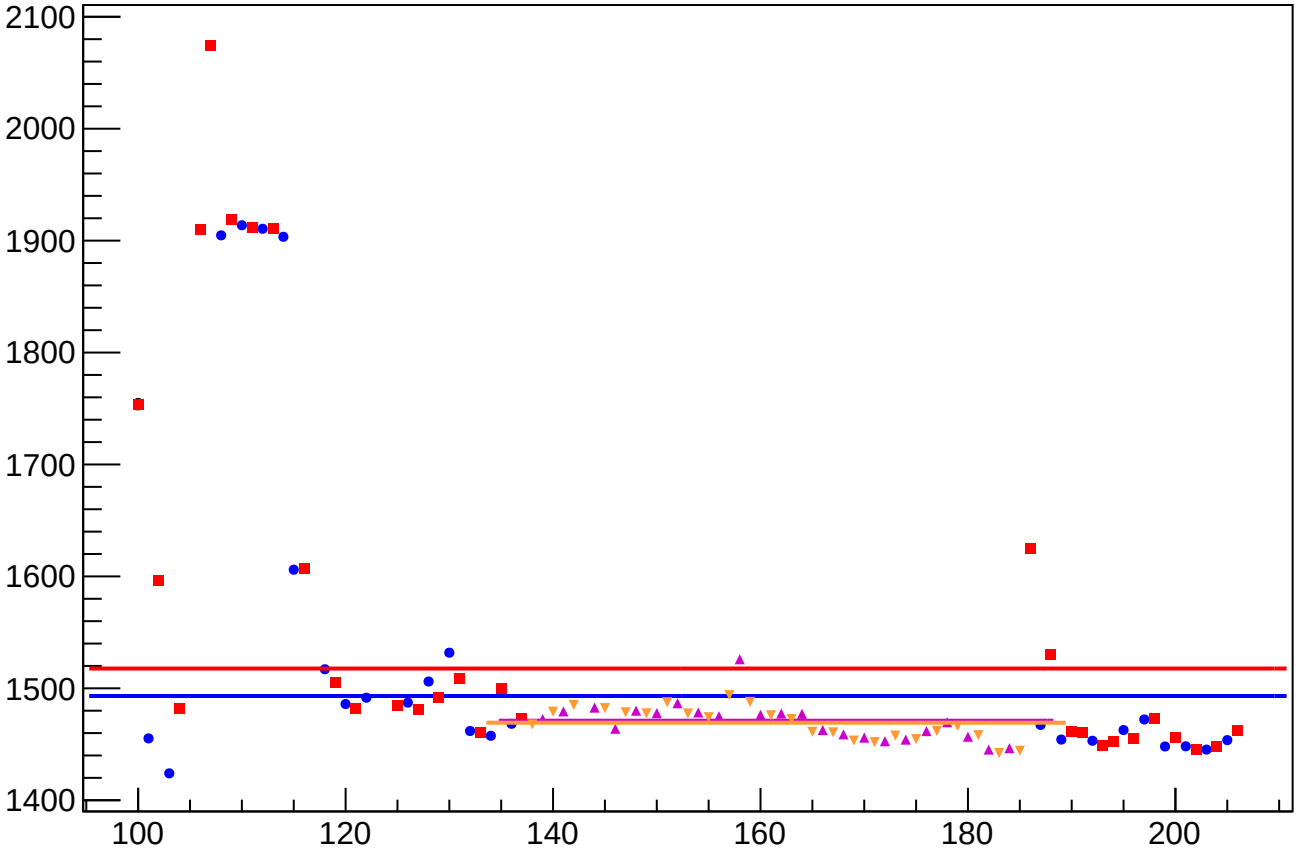
Right: 1892.896+/-273.897 χ^2/NDF: 44.6/54

In: 1889.129+/-260.168 χ^2/NDF:45.9/47

Out: 1554.695+/-252.932 χ^2/NDF:45.3/53

All: 1717.197+/-181.354 χ^2/NDF: 92.0/101

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.6/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.676+/-0.267 χ^2/NDF: 231874.4/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

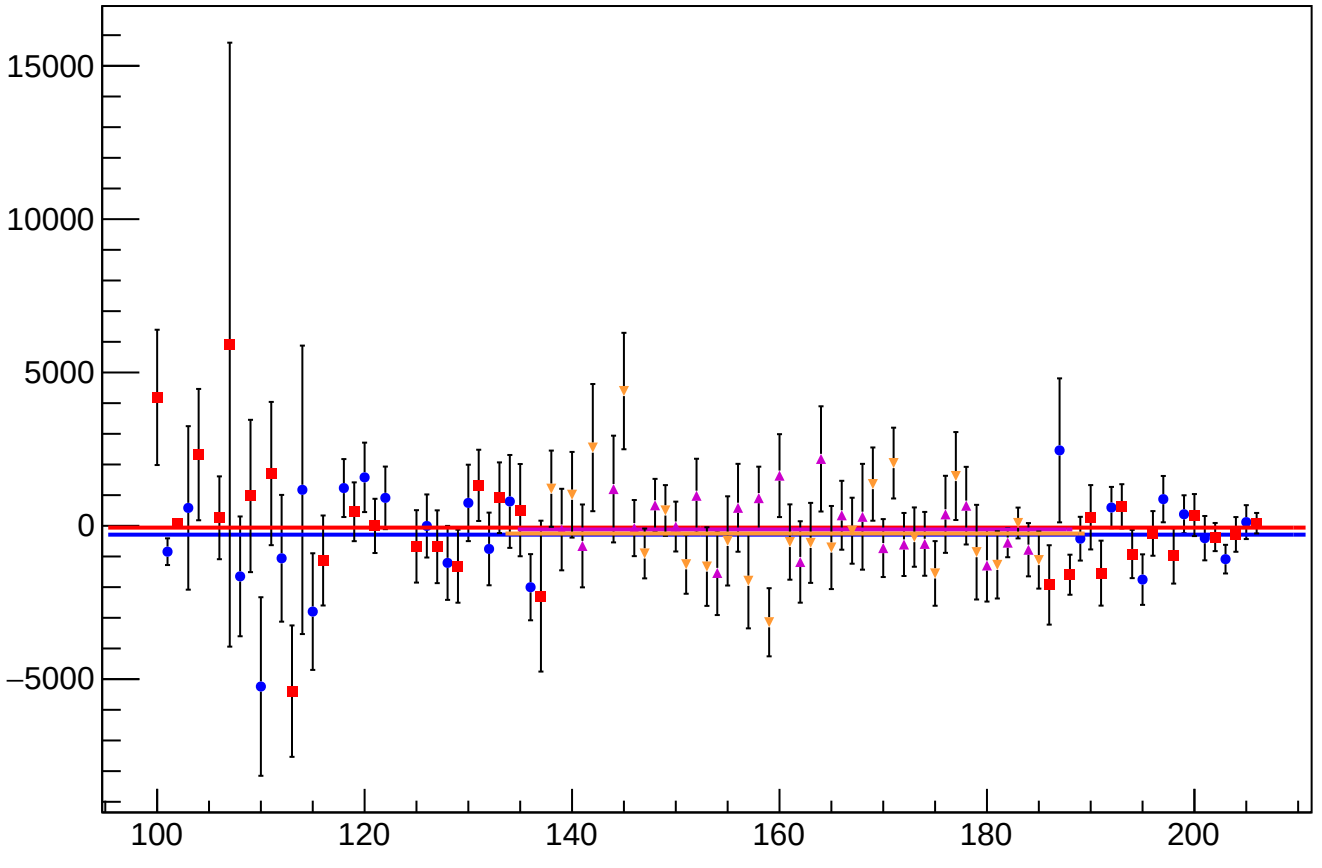
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1506.082+/-0.194 χ^2/NDF: 385190.0/54

In: 1480.468+/-0.184 χ^2/NDF:157481.2/47

Out: 1491.044+/-0.179 χ^2/NDF:253161.0/53

All: 1485.905+/-0.128 χ^2/NDF: 412341.5/101



Right In: -288.391+/-172.872 χ^2/NDF: 31.6/24

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -58.555+/-104.453 χ^2/NDF: 32.7/29

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

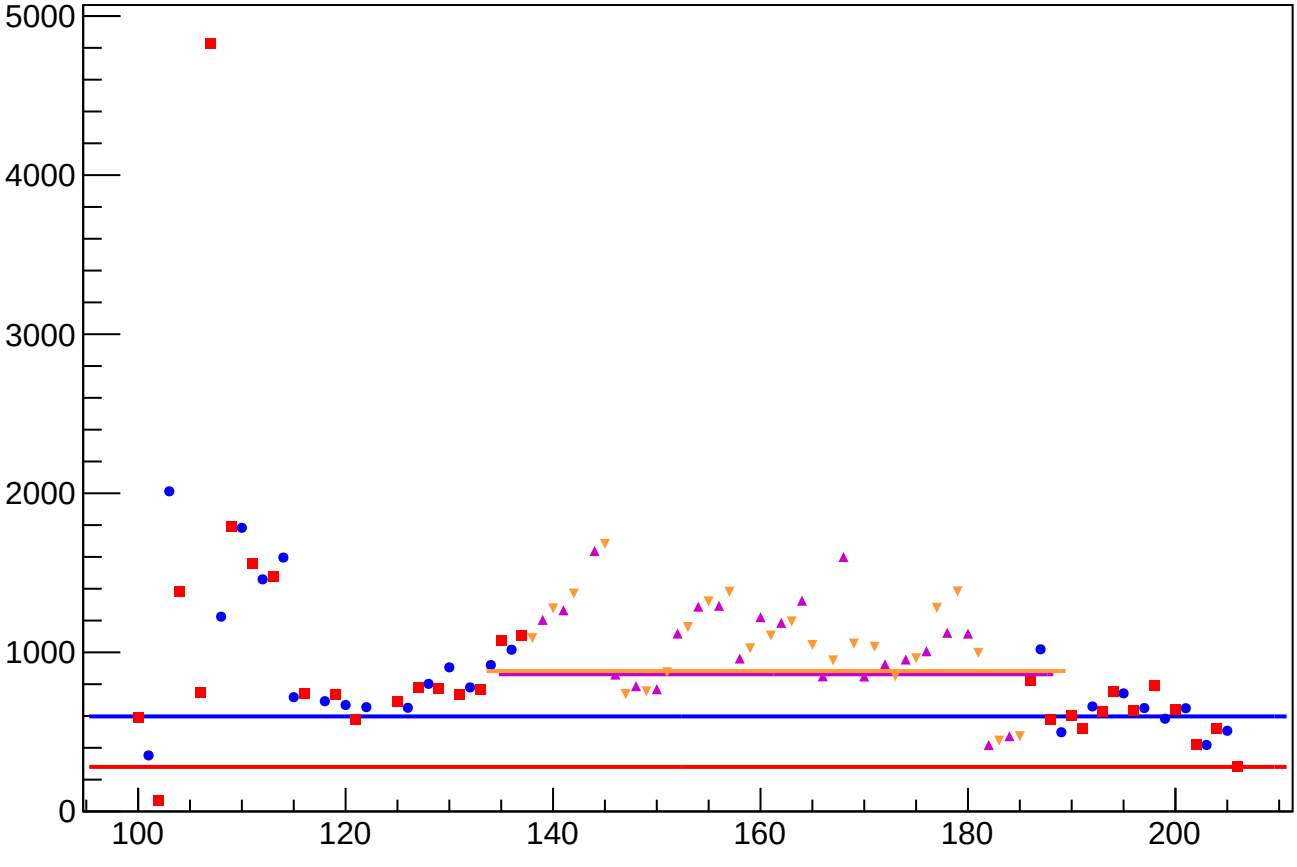
Right: -120.023+/-89.401 χ^2/NDF: 65.6/54

In: -222.558+/-134.962 χ^2/NDF:44.8/47

Out: -94.501+/-94.228 χ^2/NDF:66.0/53

All: -136.467+/-77.261 χ^2/NDF: 111.5/101

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 597.389+/-0.122 χ^2/NDF: 3393361.9/24

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 280.048+/-0.074 χ^2/NDF: 15586444.9/29

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

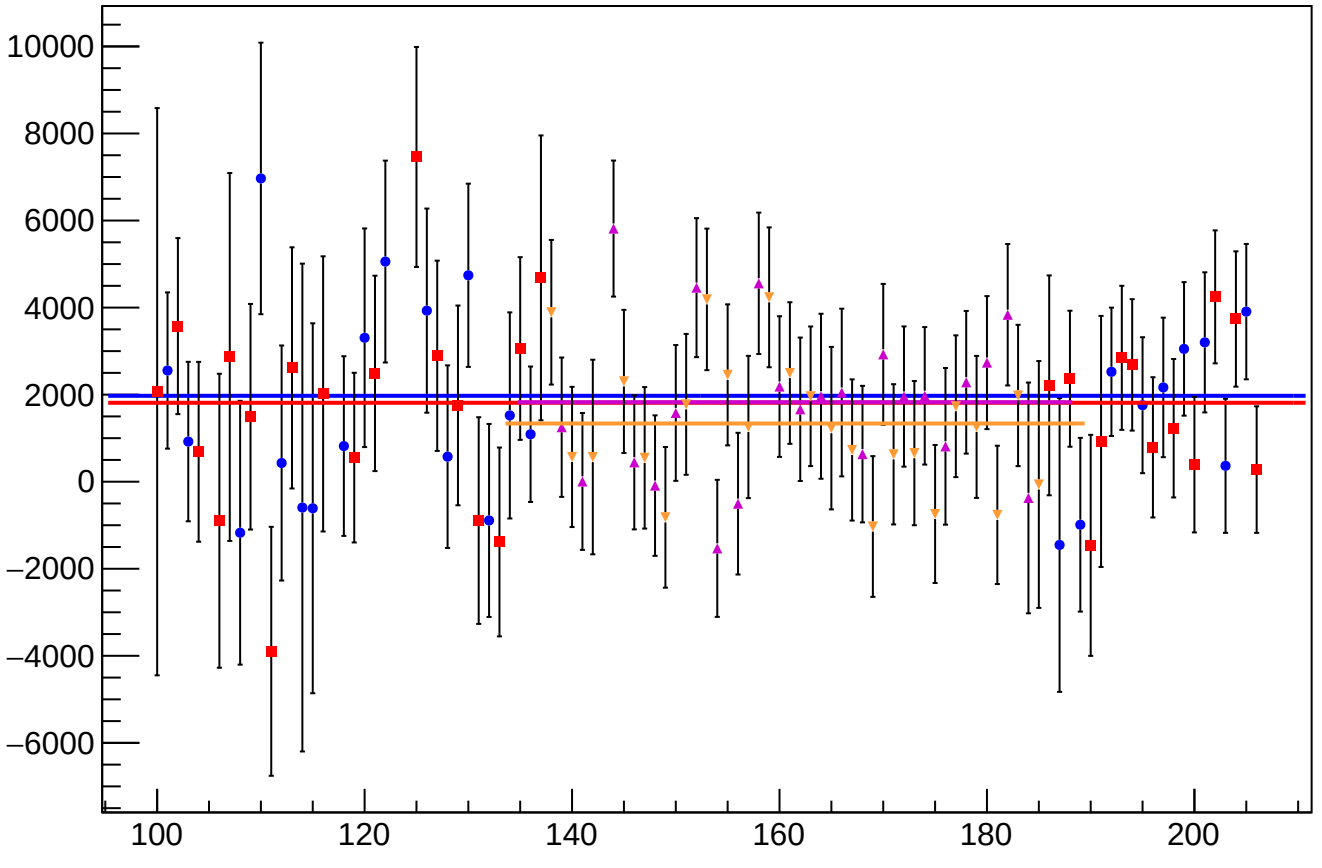
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 364.919+/-0.063 χ^2/NDF: 23916933.5/54

In: 700.835+/-0.095 χ^2/NDF:9596744.8/47

Out: 392.211+/-0.067 χ^2/NDF:31873104.0/53

All: 493.350+/-0.055 χ^2/NDF: 48500927.7/10



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1813.168+/-377.152 χ^2/NDF: 25.4/29

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

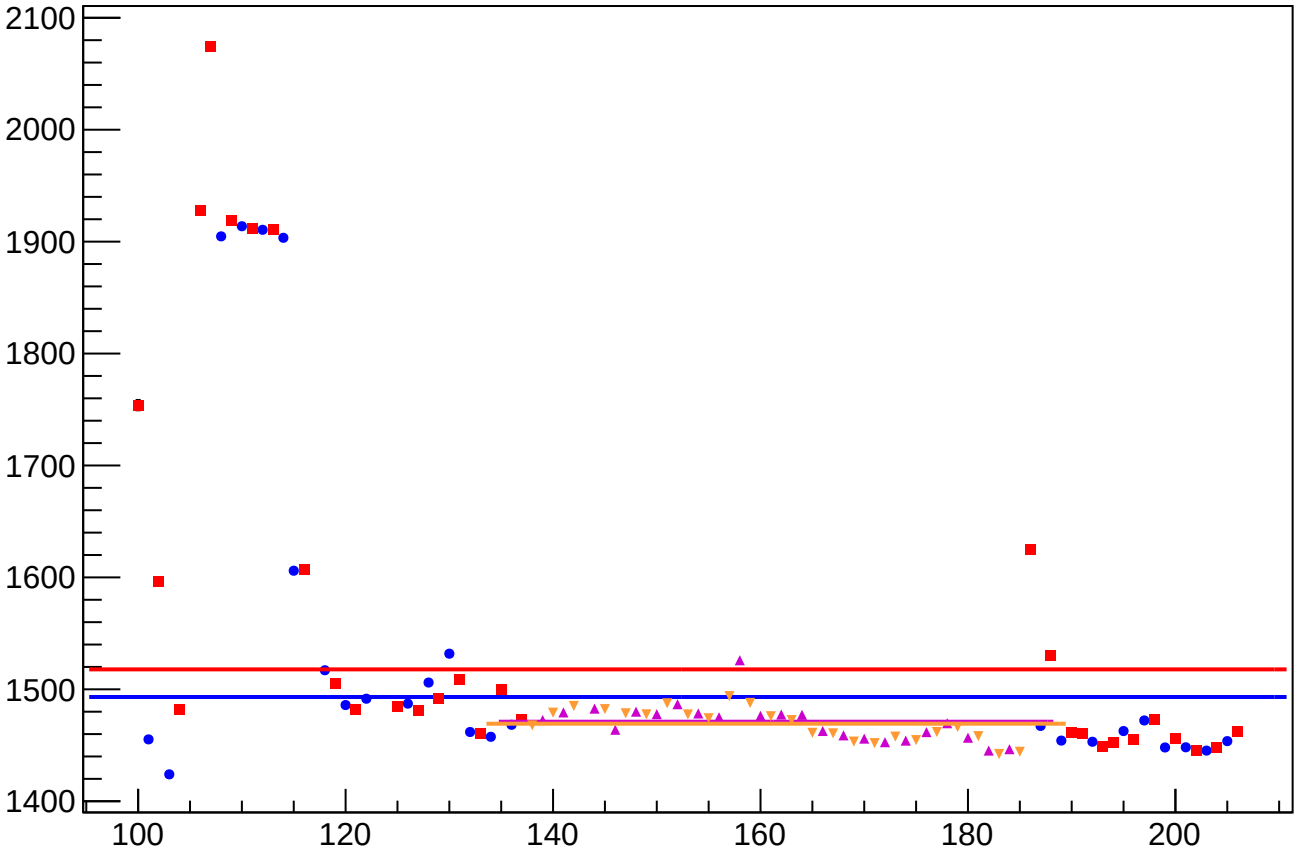
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1888.880+/-273.916 χ^2/NDF: 44.8/54

In: 1889.202+/-260.168 χ^2/NDF:45.9/47

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1715.441+/-181.359 χ^2/NDF: 92.2/101



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

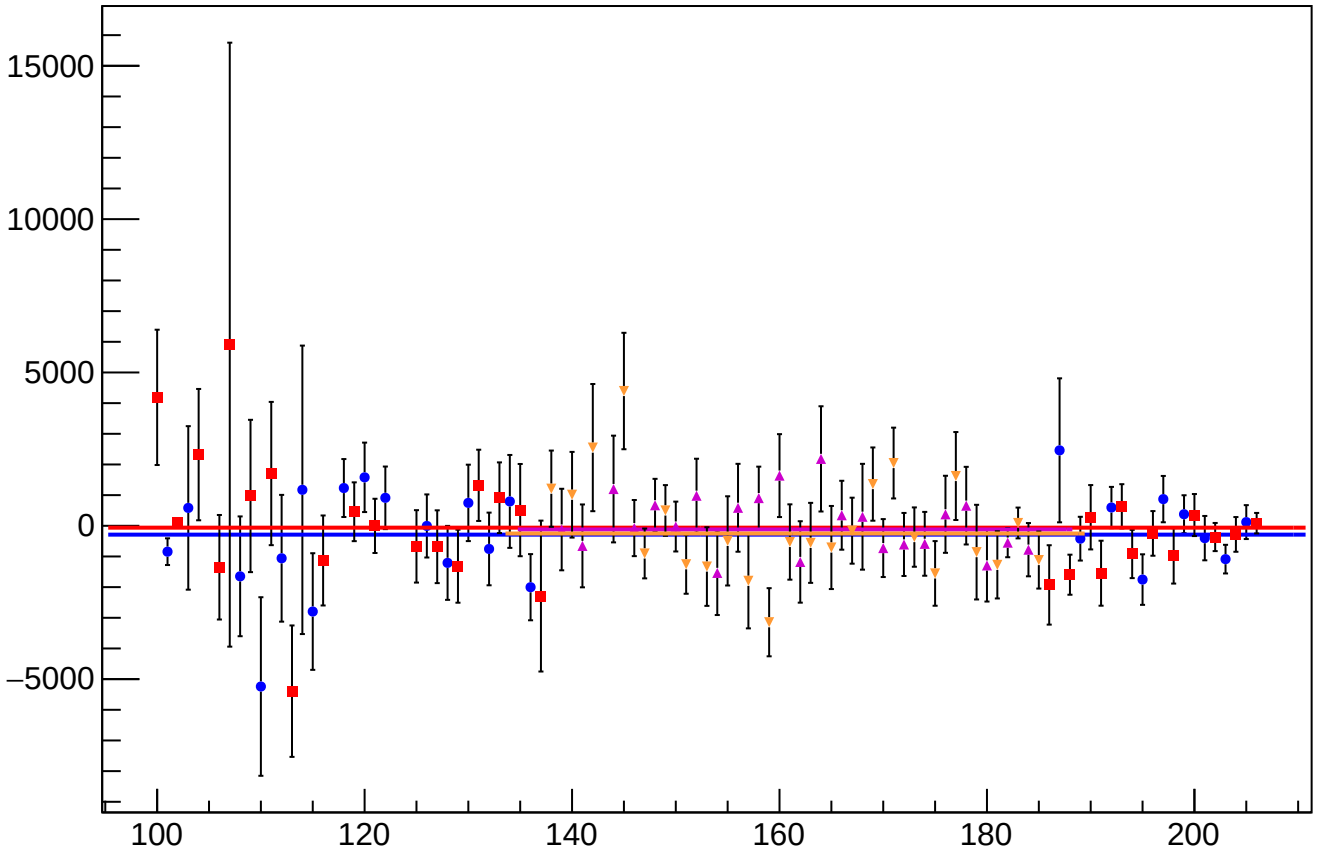
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1506.155+/-0.194 χ^2/NDF: 387306.1/54

In: 1480.468+/-0.184 χ^2/NDF:157481.1/47

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.936+/-0.128 χ^2/NDF: 414534.0/101



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -60.719+/-109.938 χ^2/NDF: 33.5/29

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

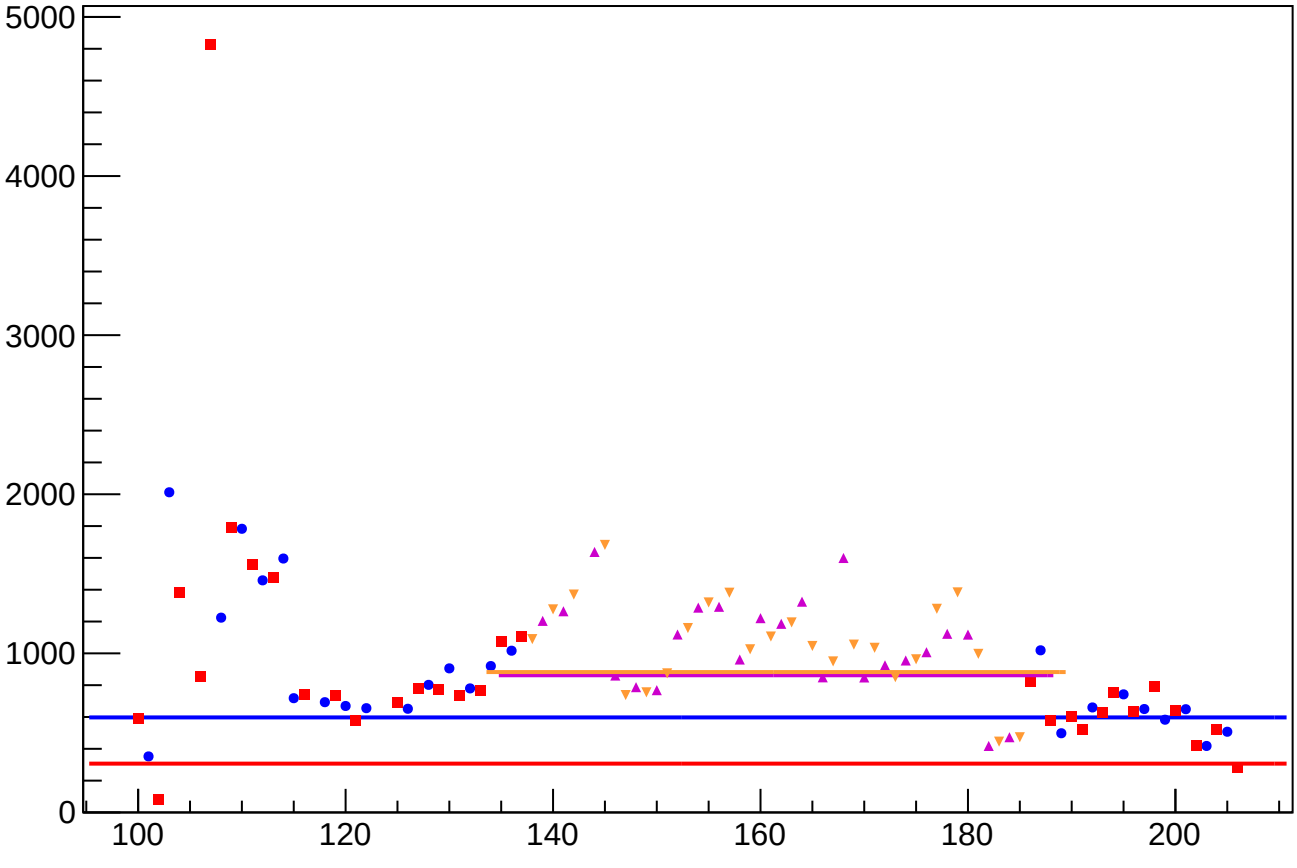
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -126.257+/-92.768 χ^2/NDF: 66.4/54

In: -222.521+/-134.961 χ^2/NDF:44.8/47

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -141.962+/-79.403 χ^2/NDF: 112.2/101



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

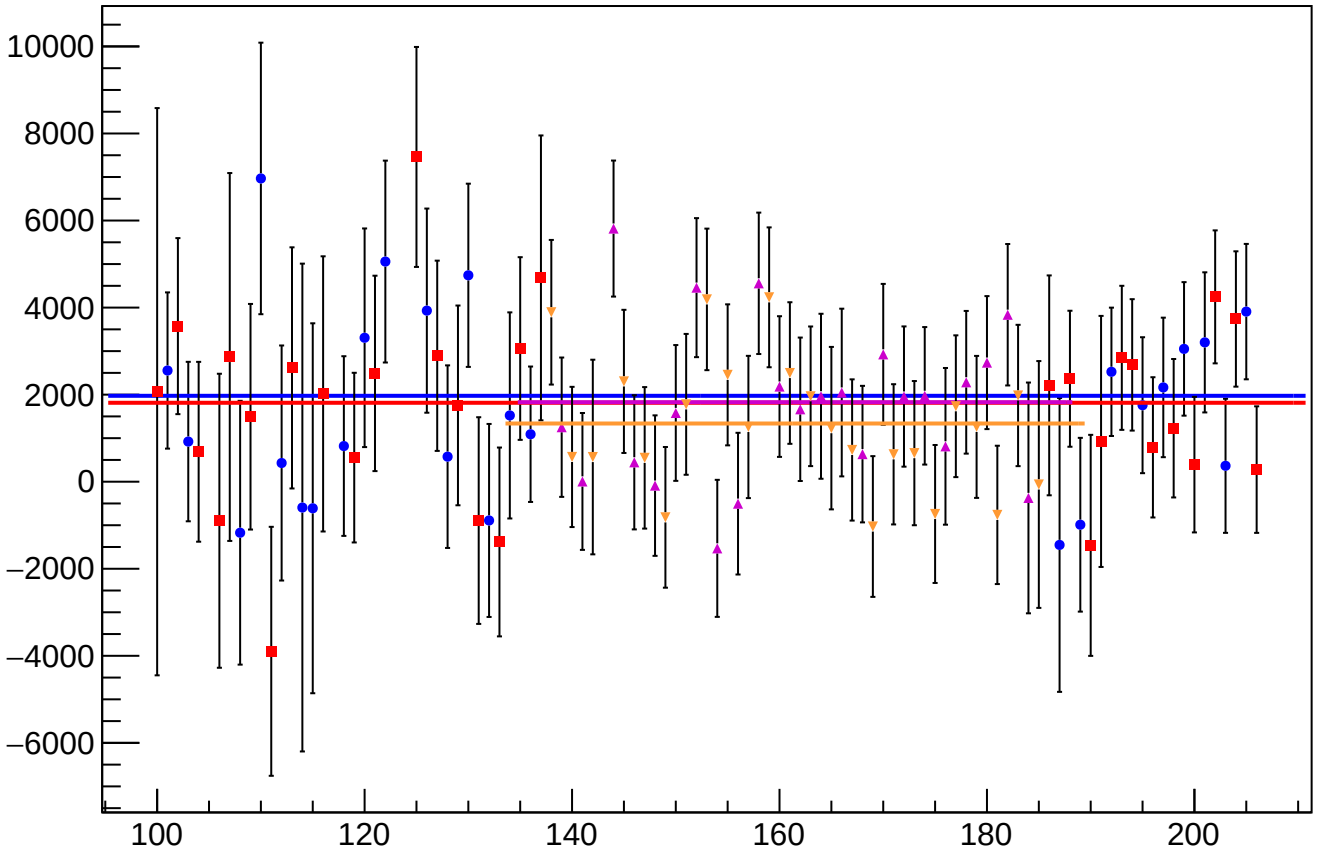
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 390.527+/-0.066 χ^2/NDF: 21733052.6/54

In: 700.826+/-0.095 χ^2/NDF:9597255.0/47

Out: 423.252+/-0.069 χ^2/NDF:29303678.4/53

All: 519.332+/-0.056 χ^2/NDF: 44432582.3/10



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1813.168+/-377.152 χ^2/NDF: 25.4/29

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

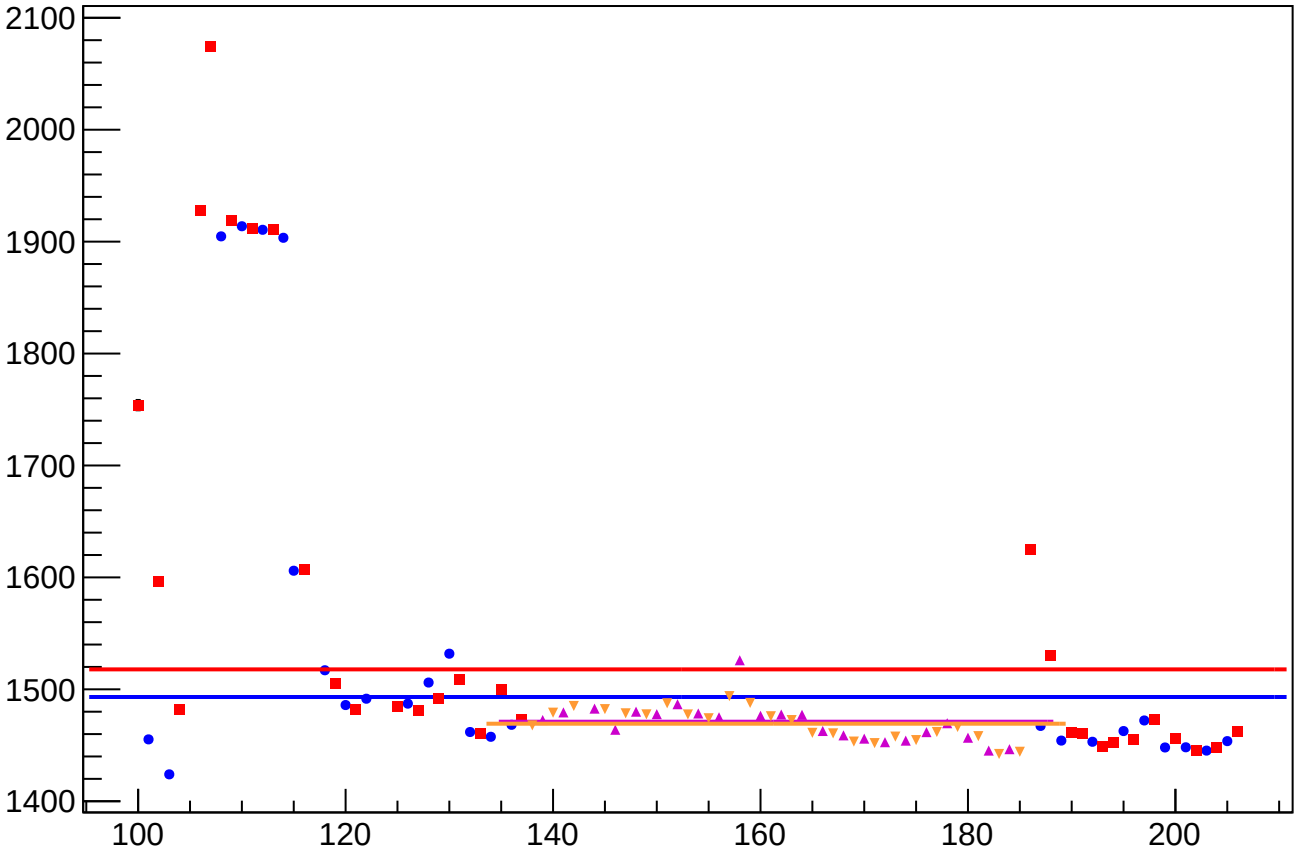
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1888.880+/-273.916 χ^2/NDF: 44.8/54

In: 1889.202+/-260.168 χ^2/NDF:45.9/47

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1715.441+/-181.359 χ^2/NDF: 92.2/101



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

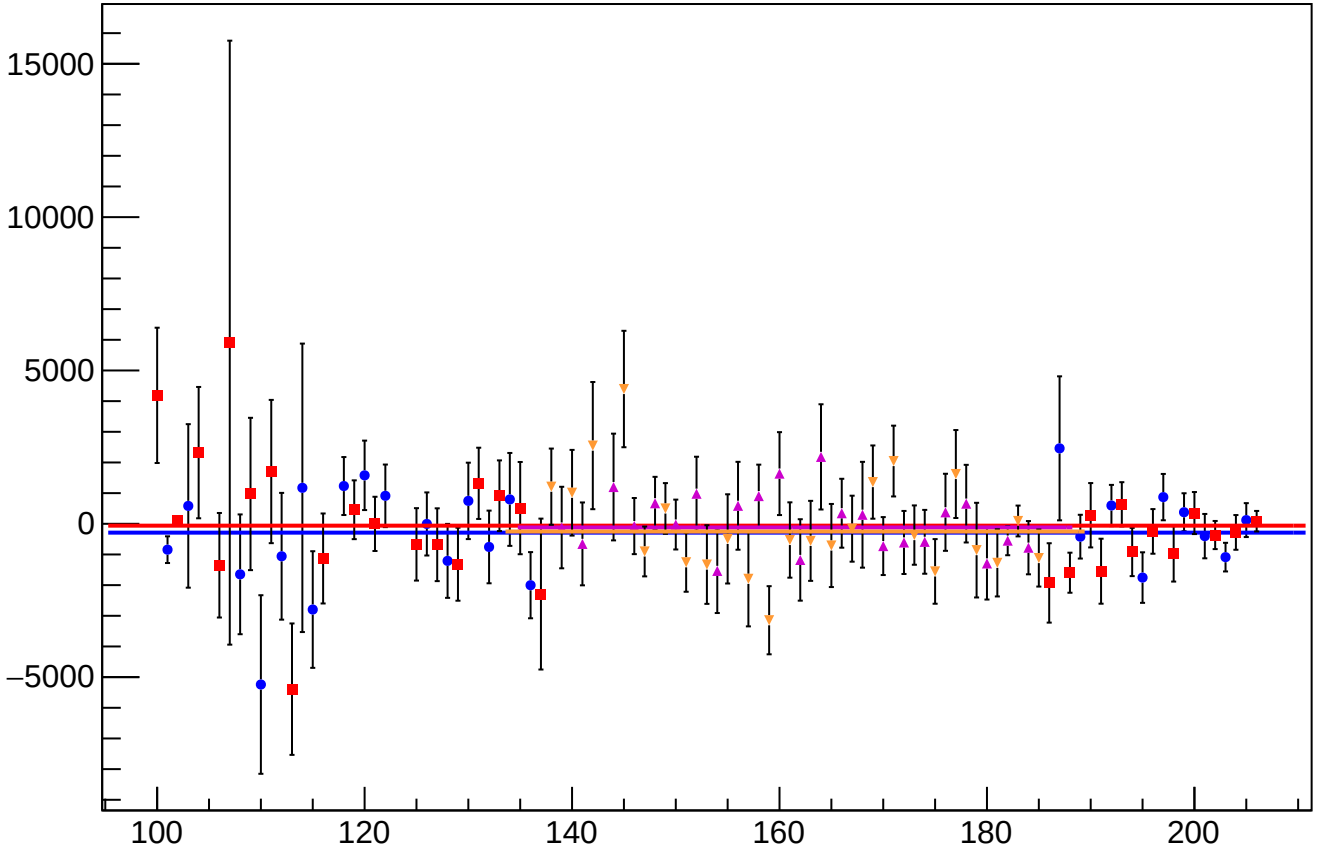
Right: 1506.155+/-0.194 χ^2/NDF: 387306.1/54

In: 1480.468+/-0.184 χ^2/NDF:157481.1/47

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.936+/-0.128 χ^2/NDF: 414534.0/101

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -60.719+/-109.938 χ^2/NDF: 33.5/29

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

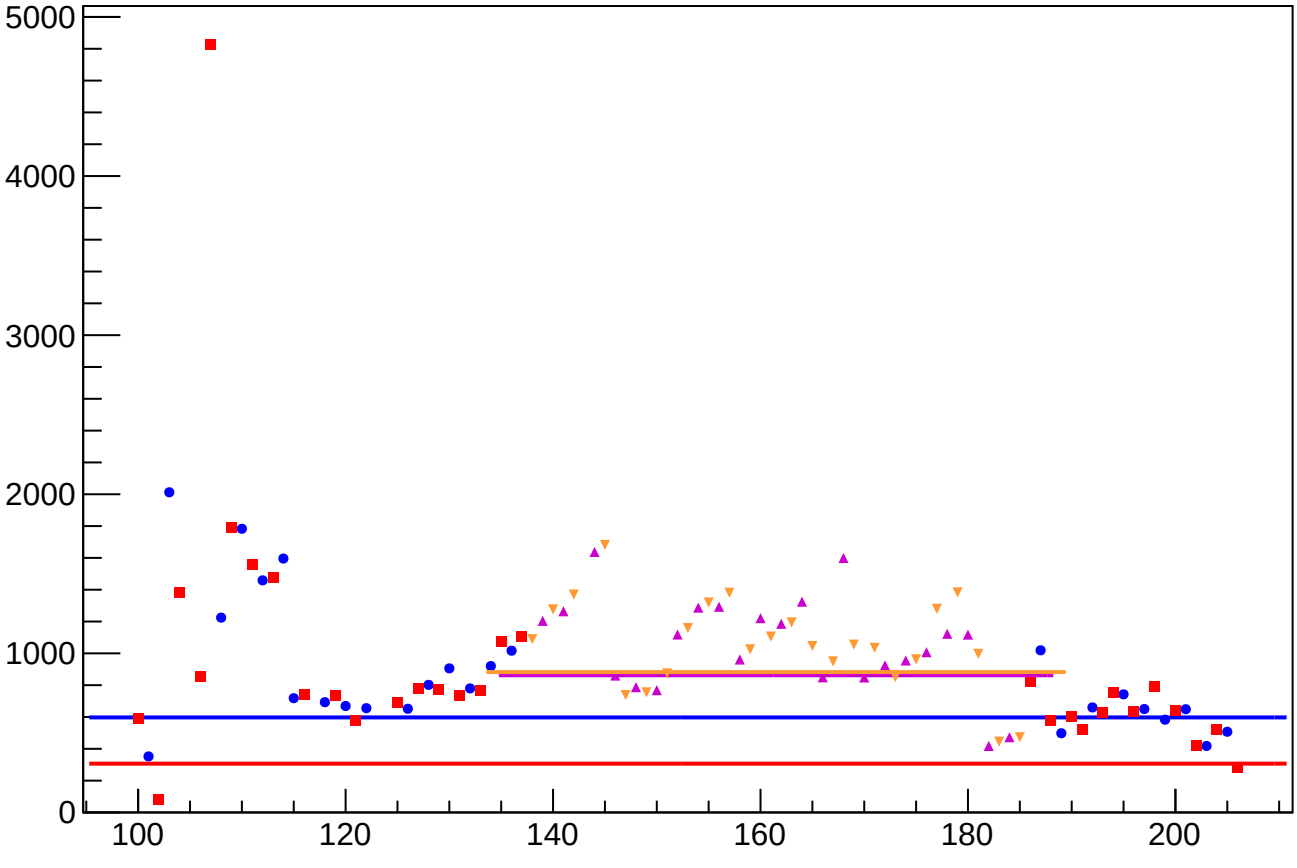
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -126.257+/-92.768 χ^2/NDF: 66.4/54

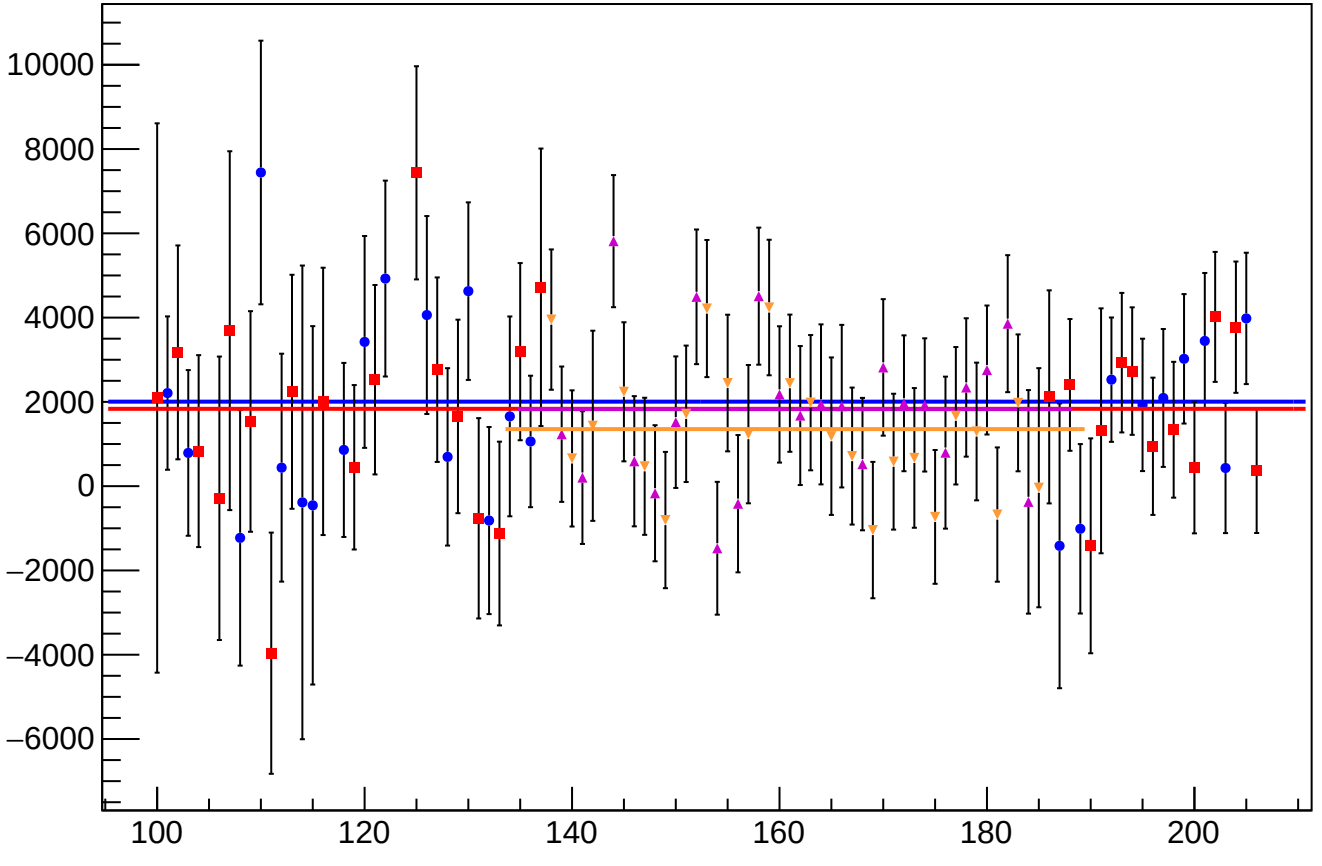
In: -222.521+/-134.961 χ^2/NDF:44.8/47

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -141.962+/-79.403 χ^2/NDF: 112.2/101


asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 597.376+/-0.122 χ²/NDF: 3393643.2/24
Left Out: 882.419+/-0.154 χ²/NDF:3901620.8/23
Right Out: 306.868+/-0.078 χ²/NDF: 14317754.8/29
Left In: 862.300+/-0.153 χ²/NDF:4369426.7/22
Left: 872.249+/-0.109 χ²/NDF: 8279630.1/46
Right: 390.527+/-0.066 χ²/NDF: 21733052.6/54
In: 700.826+/-0.095 χ²/NDF:9597255.0/47
Out: 423.252+/-0.069 χ²/NDF:29303678.4/53
All: 519.332+/-0.056 χ²/NDF: 44432582.3/10

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2005.446+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1835.296+/-382.471 χ^2/NDF: 23.4/29

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

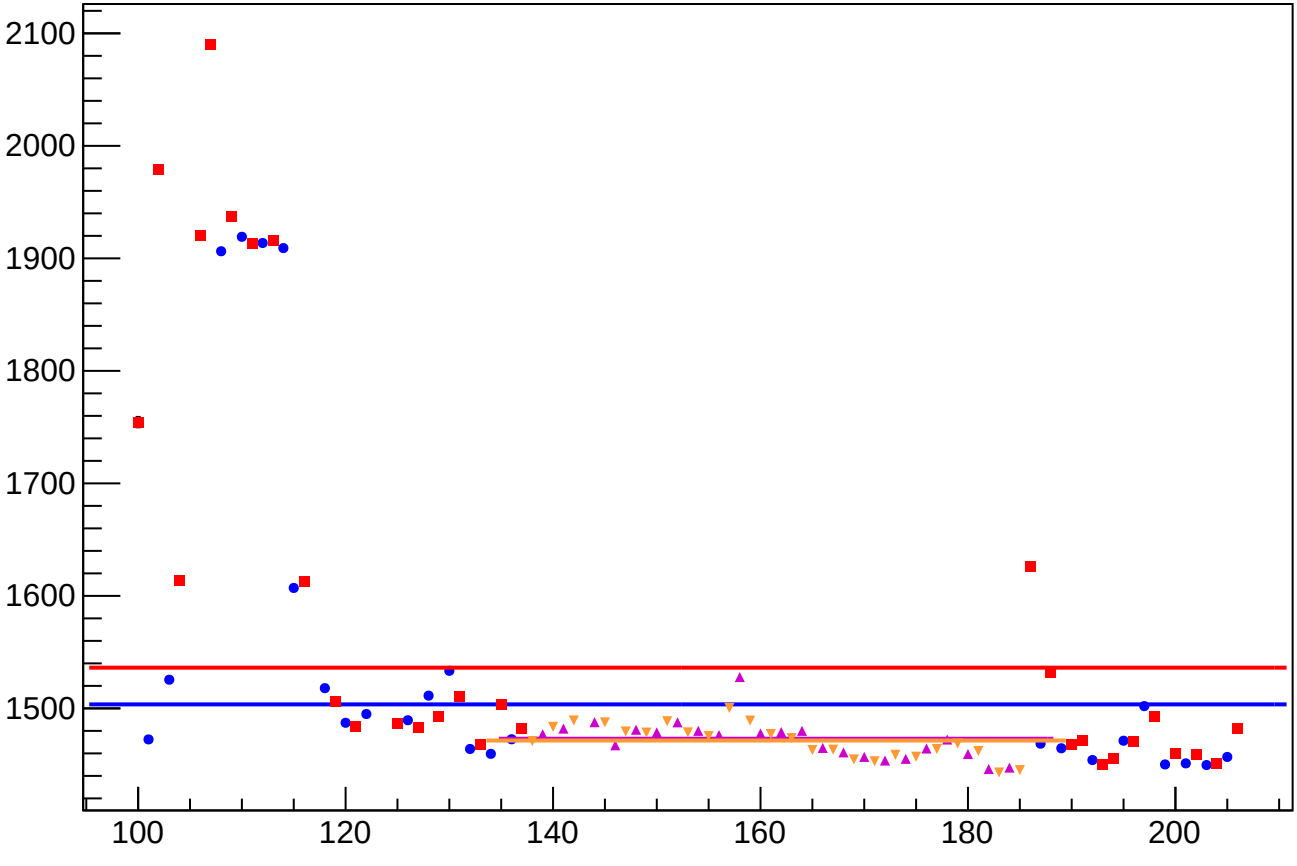
Right: 1916.282+/-276.871 χ^2/NDF: 43.1/54

In: 1903.289+/-261.159 χ^2/NDF:45.5/47

Out: 1567.371+/-254.764 χ^2/NDF:43.2/53

All: 1731.166+/-182.364 χ^2/NDF: 89.6/101

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.9/29

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

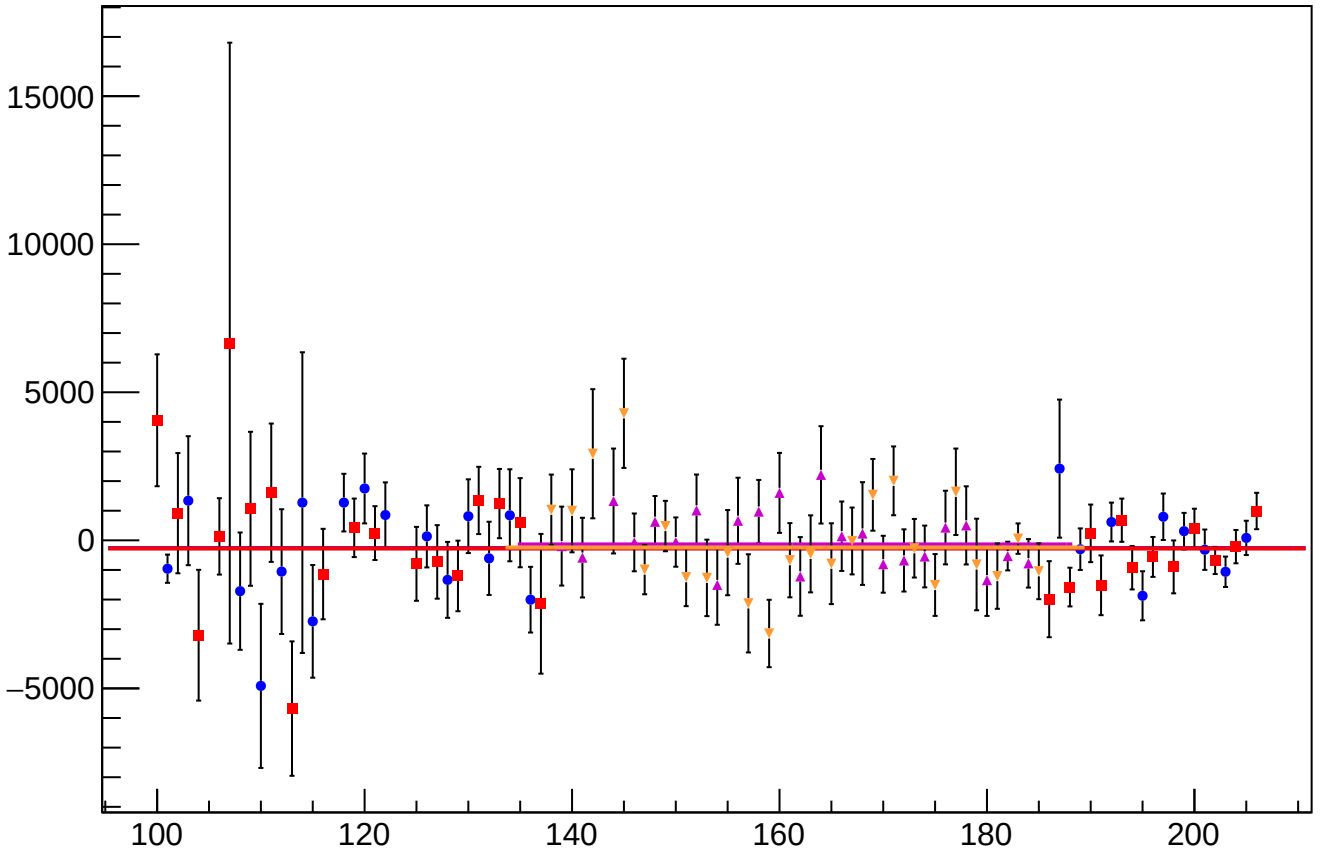
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1520.670+/-0.196 χ^2/NDF: 443978.0/54

In: 1485.971+/-0.185 χ^2/NDF:156076.7/47

Out: 1500.175+/-0.180 χ^2/NDF:327728.9/53

All: 1493.249+/-0.129 χ^2/NDF: 486837.3/101



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -273.483+/-172.474 χ^2/NDF: 36.6/29

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

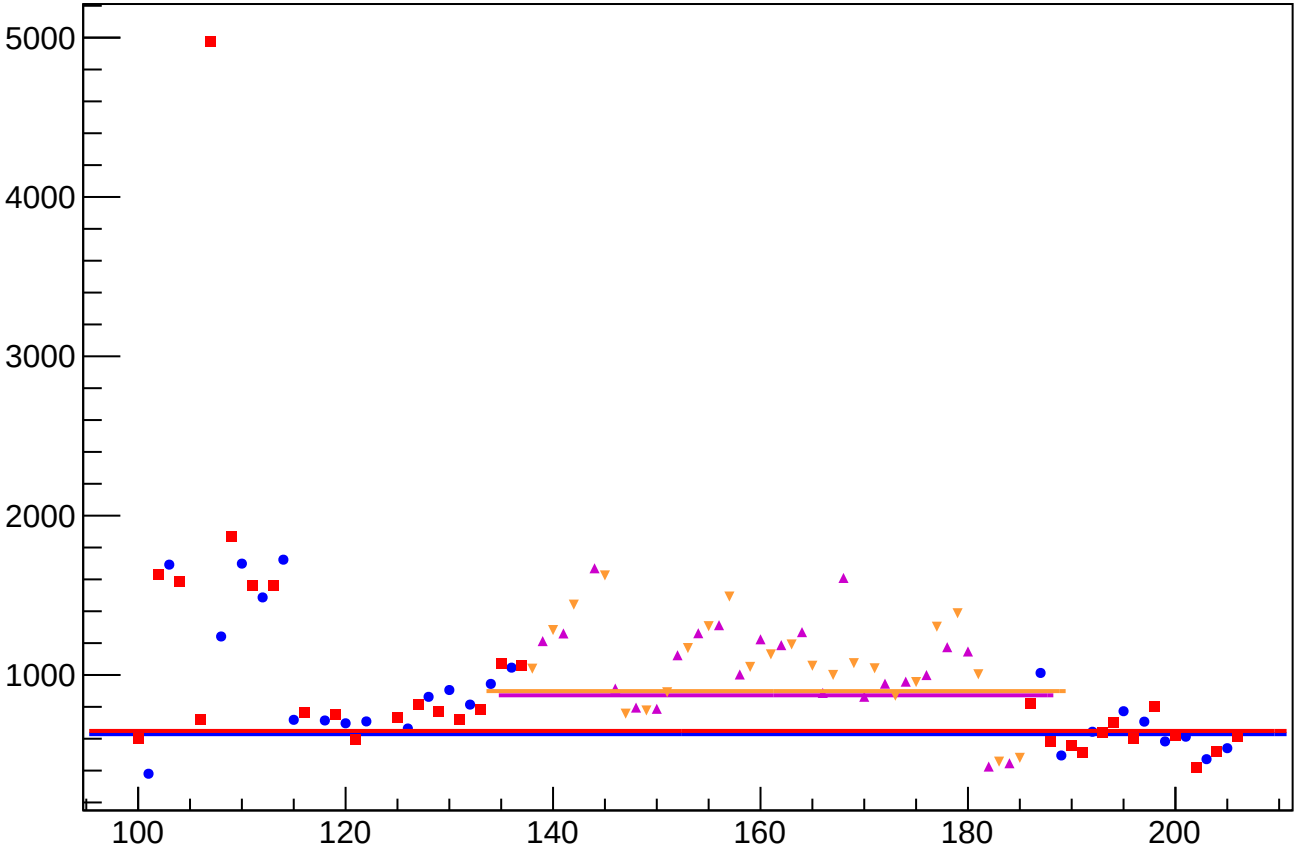
Right: -269.362+/-124.065 χ^2/NDF: 68.0/54

In: -214.263+/-138.275 χ^2/NDF:44.6/47

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -237.976+/-97.015 χ^2/NDF: 113.7/101

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 628.568+/-0.126 χ^2/NDF: 3004974.4/24

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 648.918+/-0.122 χ^2/NDF: 3455028.8/29

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

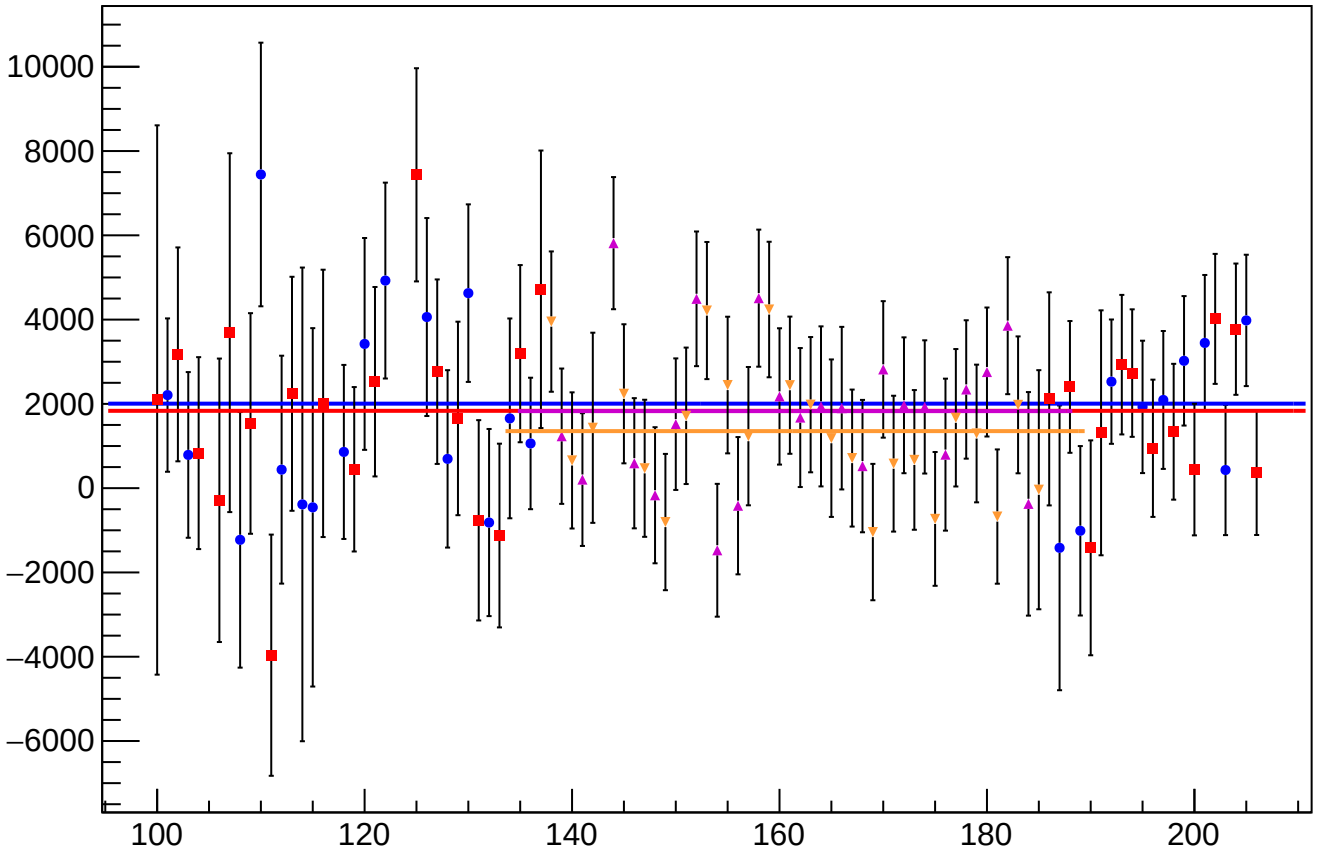
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 639.098+/-0.088 χ^2/NDF: 6473439.9/54

In: 726.267+/-0.098 χ^2/NDF:8934655.6/47

Out: 743.104+/-0.096 χ^2/NDF:8829219.6/53

All: 734.816+/-0.069 χ^2/NDF: 17778932.8/10



Right In: 2005.445+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1835.295+/-382.471 χ^2/NDF: 23.4/29

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

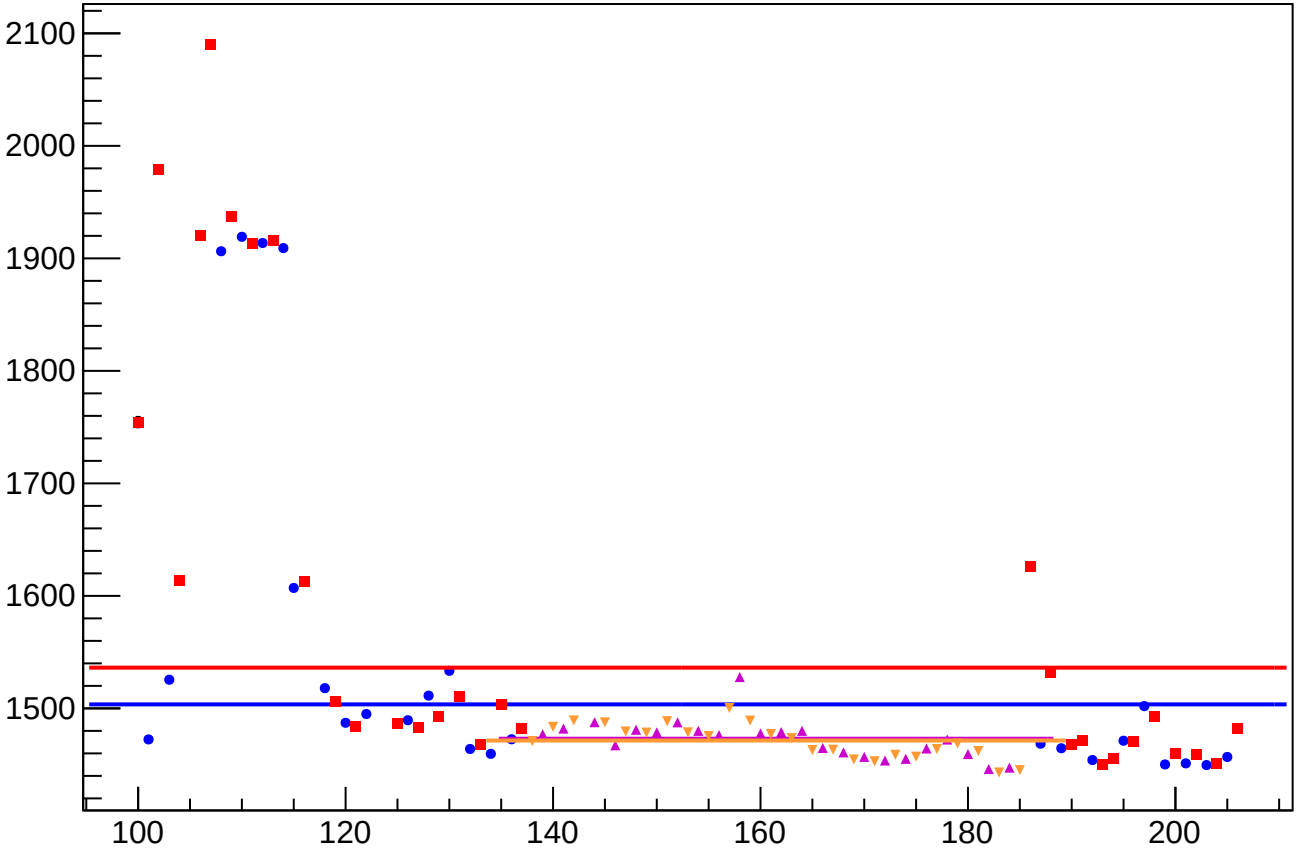
Right: 1916.281+/-276.871 χ^2/NDF: 43.1/54

In: 1903.289+/-261.159 χ^2/NDF:45.5/47

Out: 1567.370+/-254.764 χ^2/NDF:43.2/53

All: 1731.166+/-182.364 χ^2/NDF: 89.6/101

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.4/29

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

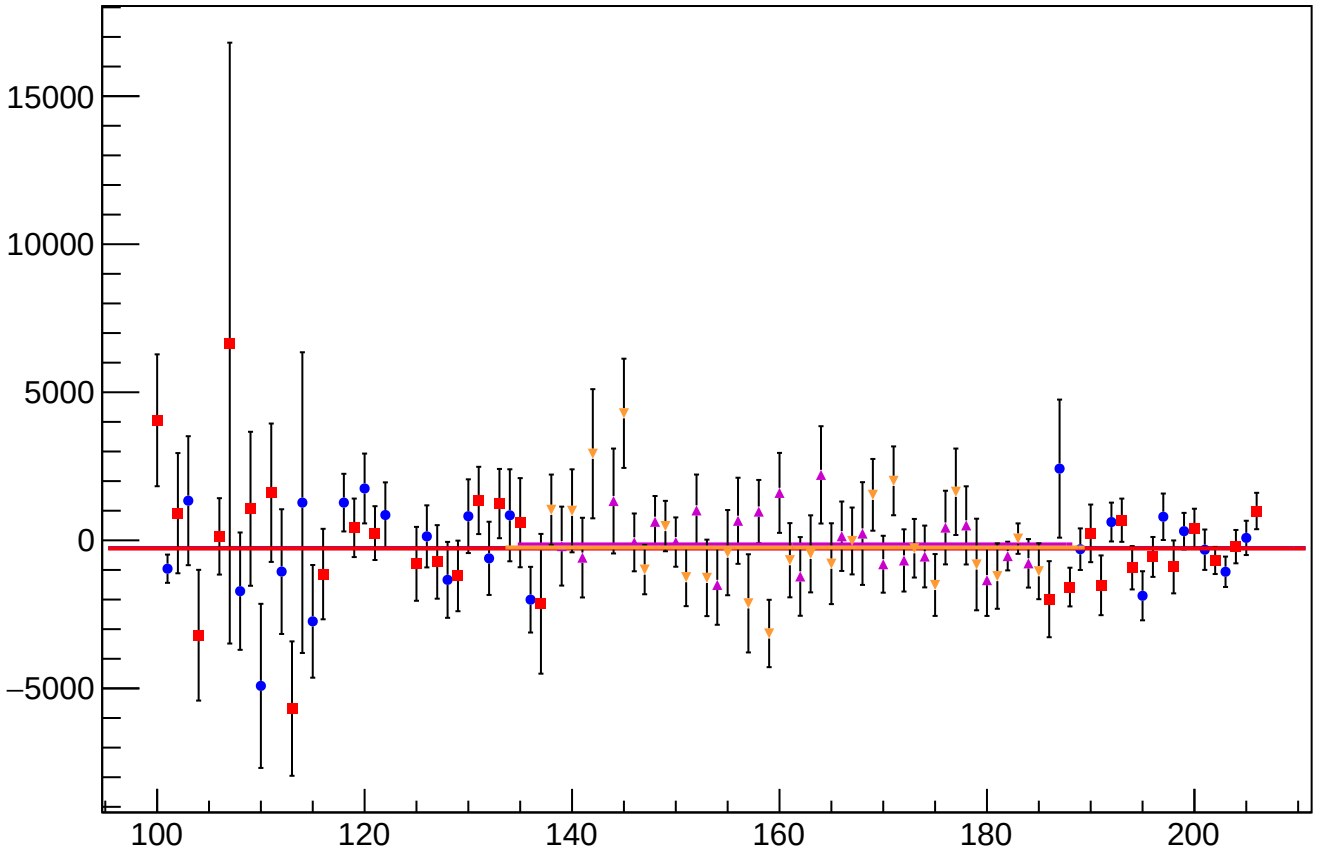
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1520.670+/-0.196 χ^2/NDF: 443977.4/54

In: 1485.970+/-0.185 χ^2/NDF:156076.6/47

Out: 1500.175+/-0.180 χ^2/NDF:327728.3/53

All: 1493.249+/-0.129 χ^2/NDF: 486836.6/101



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -273.483+/-172.474 χ^2/NDF: 36.6/29

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

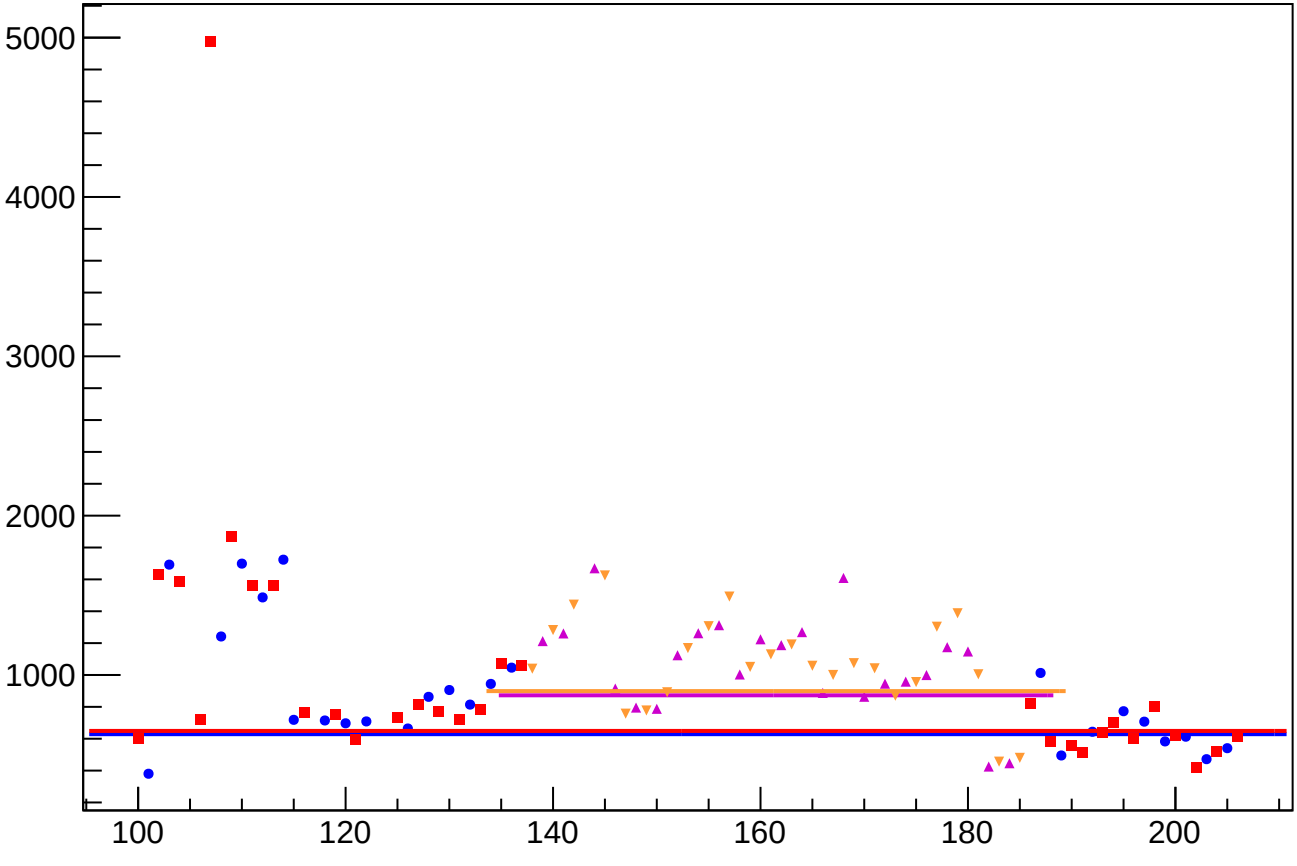
Right: -269.362+/-124.065 χ^2/NDF: 68.0/54

In: -214.263+/-138.275 χ^2/NDF:44.6/47

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -237.976+/-97.015 χ^2/NDF: 113.7/101

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 628.568+/-0.126 χ^2/NDF: 3004967.6/24

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 648.919+/-0.122 χ^2/NDF: 3455024.9/29

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

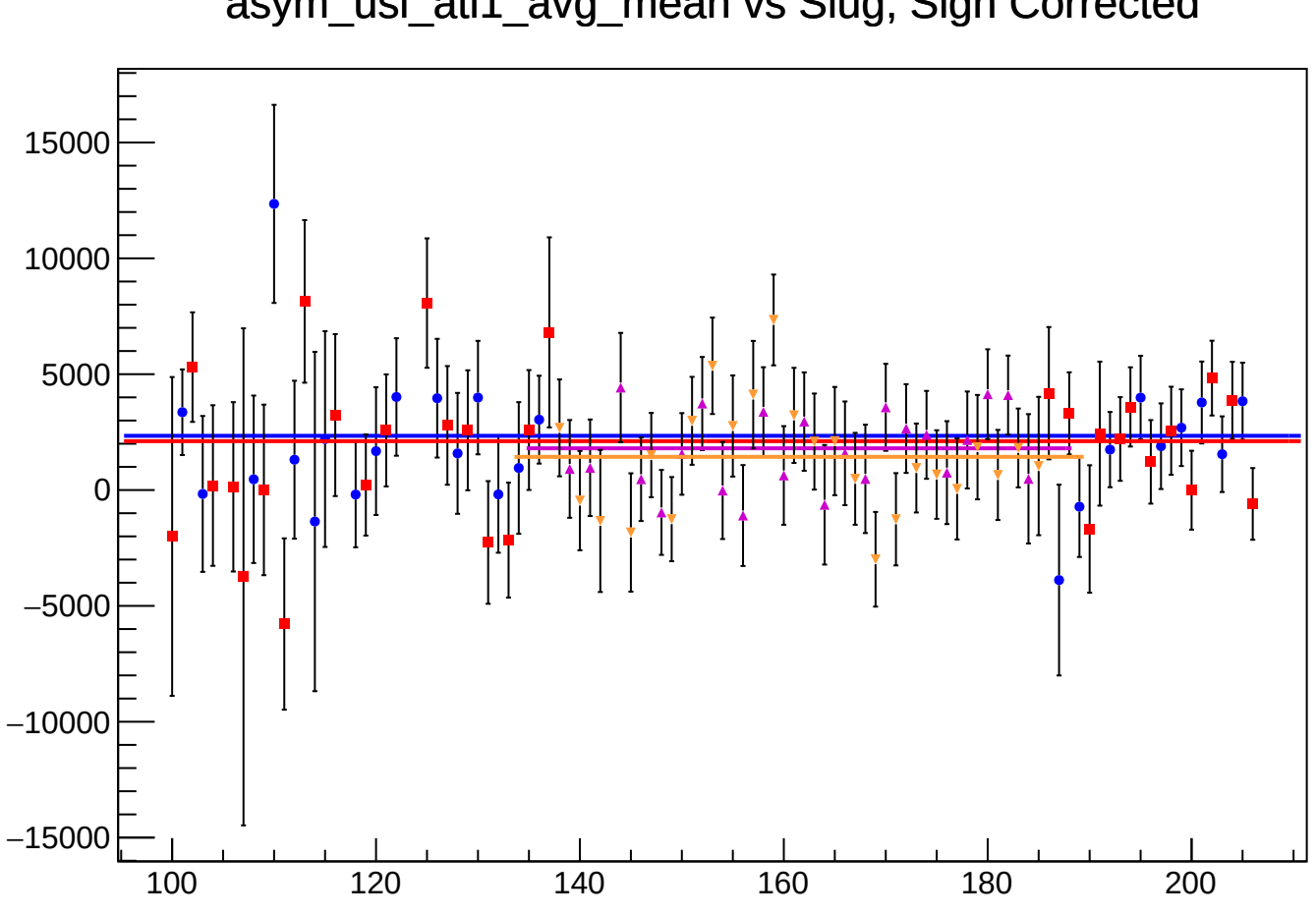
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 639.098+/-0.088 χ^2/NDF: 6473429.4/54

In: 726.267+/-0.098 χ^2/NDF:8934663.4/47

Out: 743.105+/-0.096 χ^2/NDF:8829228.7/53

All: 734.816+/-0.069 χ^2/NDF: 17778949.9/10



Right In: 2340.325+/-454.464 χ^2/NDF: 18.1/24

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2110.447+/-429.550 χ^2/NDF: 36.0/29

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

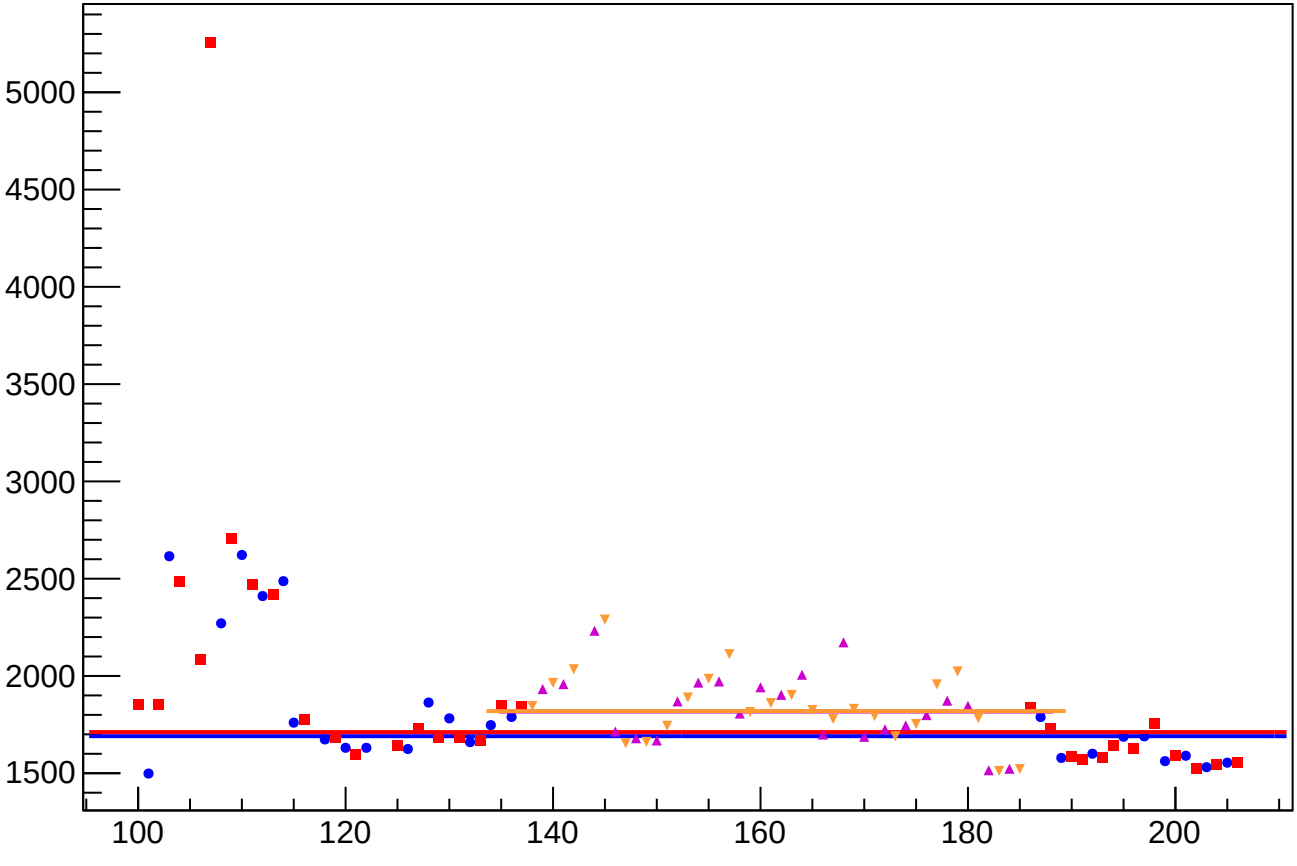
Right: 2218.913+/-312.174 χ^2/NDF: 54.2/54

In: 2053.838+/-310.990 χ^2/NDF:34.1/47

Out: 1767.849+/-301.924 χ^2/NDF:66.7/53

All: 1906.614+/-216.627 χ^2/NDF: 101.2/101

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1690.392+/-0.321 χ^2/NDF: 517792.9/24

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1711.567+/-0.304 χ^2/NDF: 782758.6/29

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

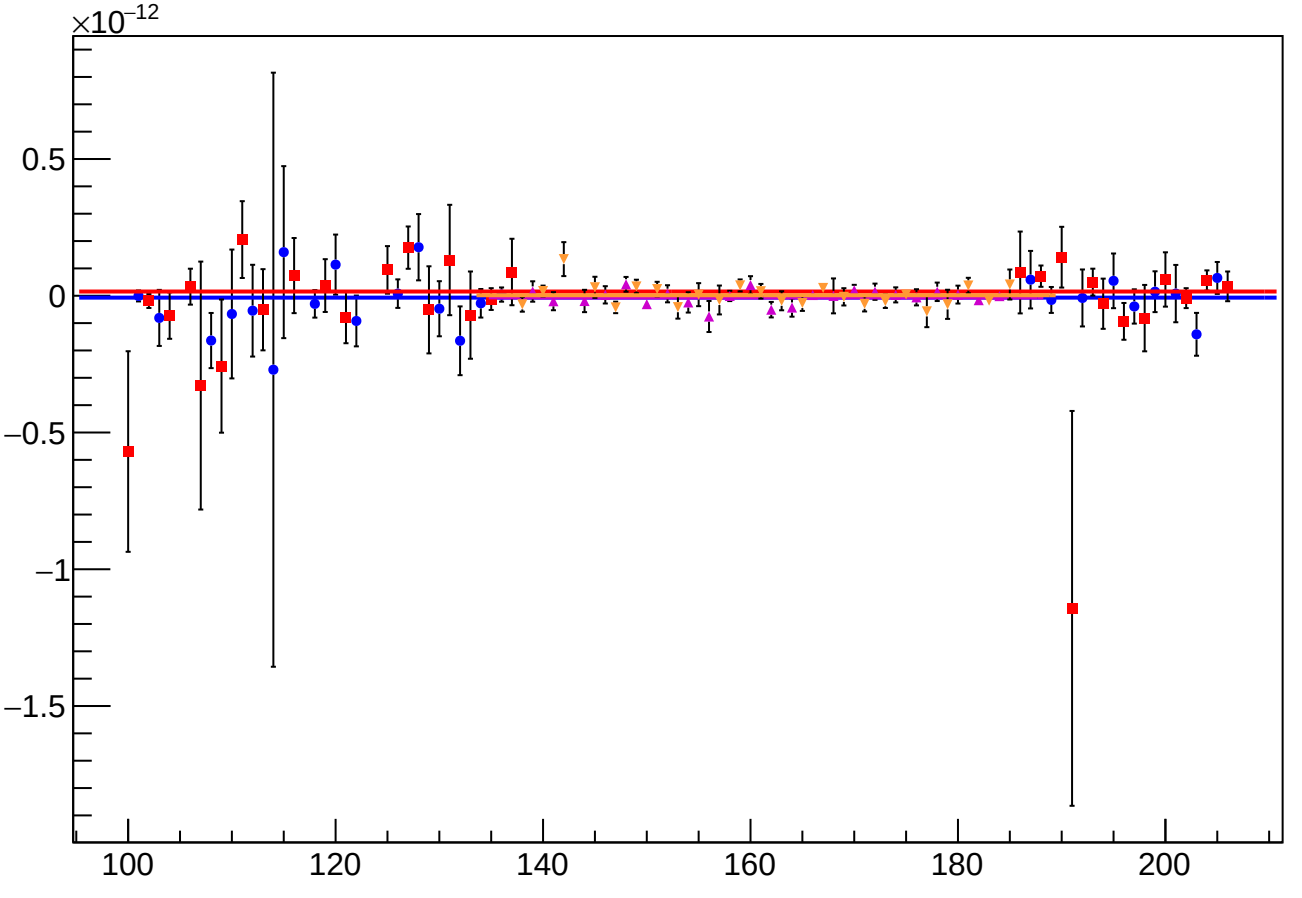
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1701.576+/-0.221 χ^2/NDF: 1302844.8/54

In: 1757.789+/-0.220 χ^2/NDF:907617.2/47

Out: 1766.134+/-0.213 χ^2/NDF:1141564.1/53

All: 1762.085+/-0.153 χ^2/NDF: 2049922.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/29

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

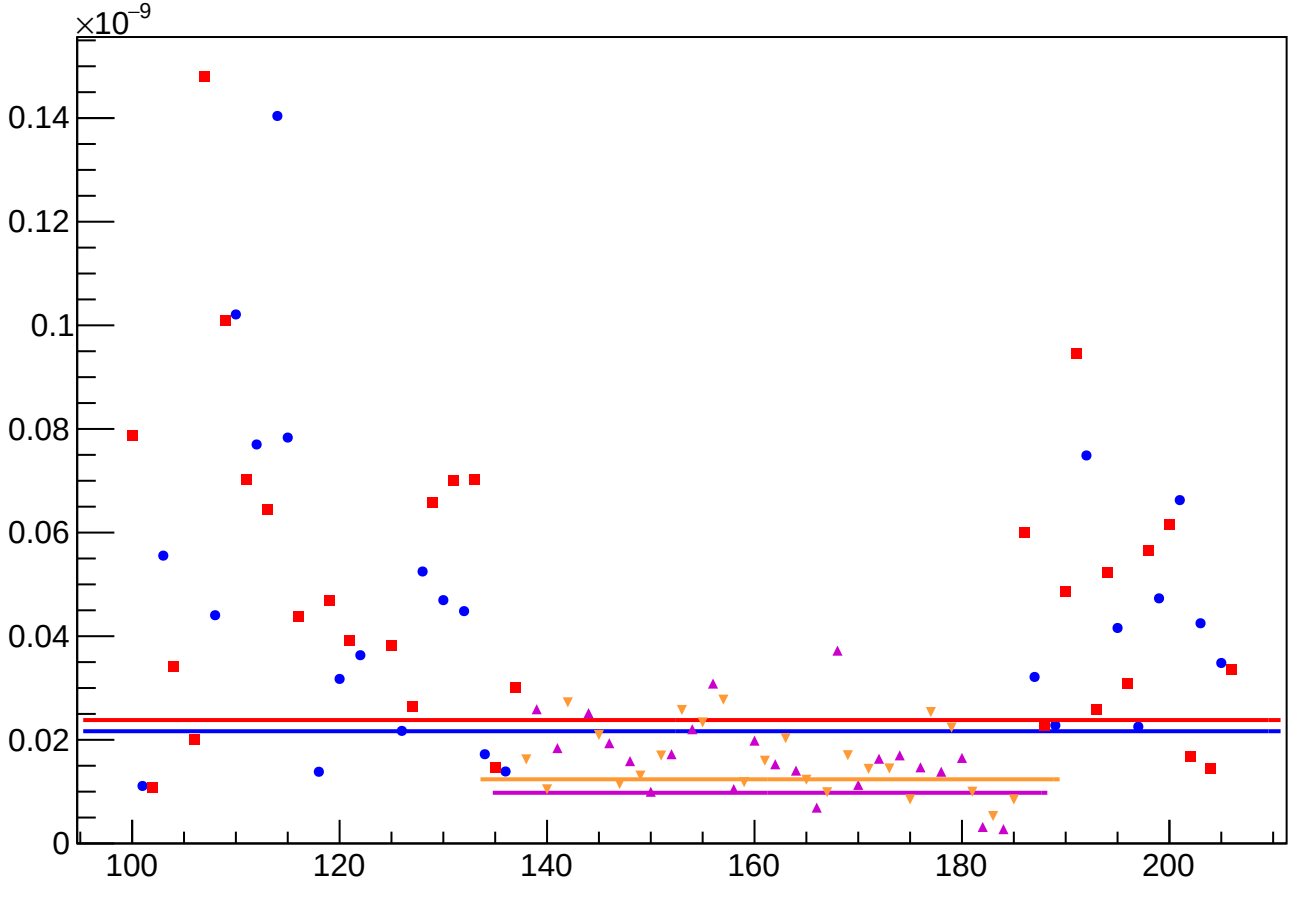
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.1/54

In: -0.000+/-0.000 χ^2/NDF:33.8/47

Out: 0.000+/-0.000 χ^2/NDF:59.9/53

All: -0.000+/-0.000 χ^2/NDF: 96.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 3512038.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3279109.1/29

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

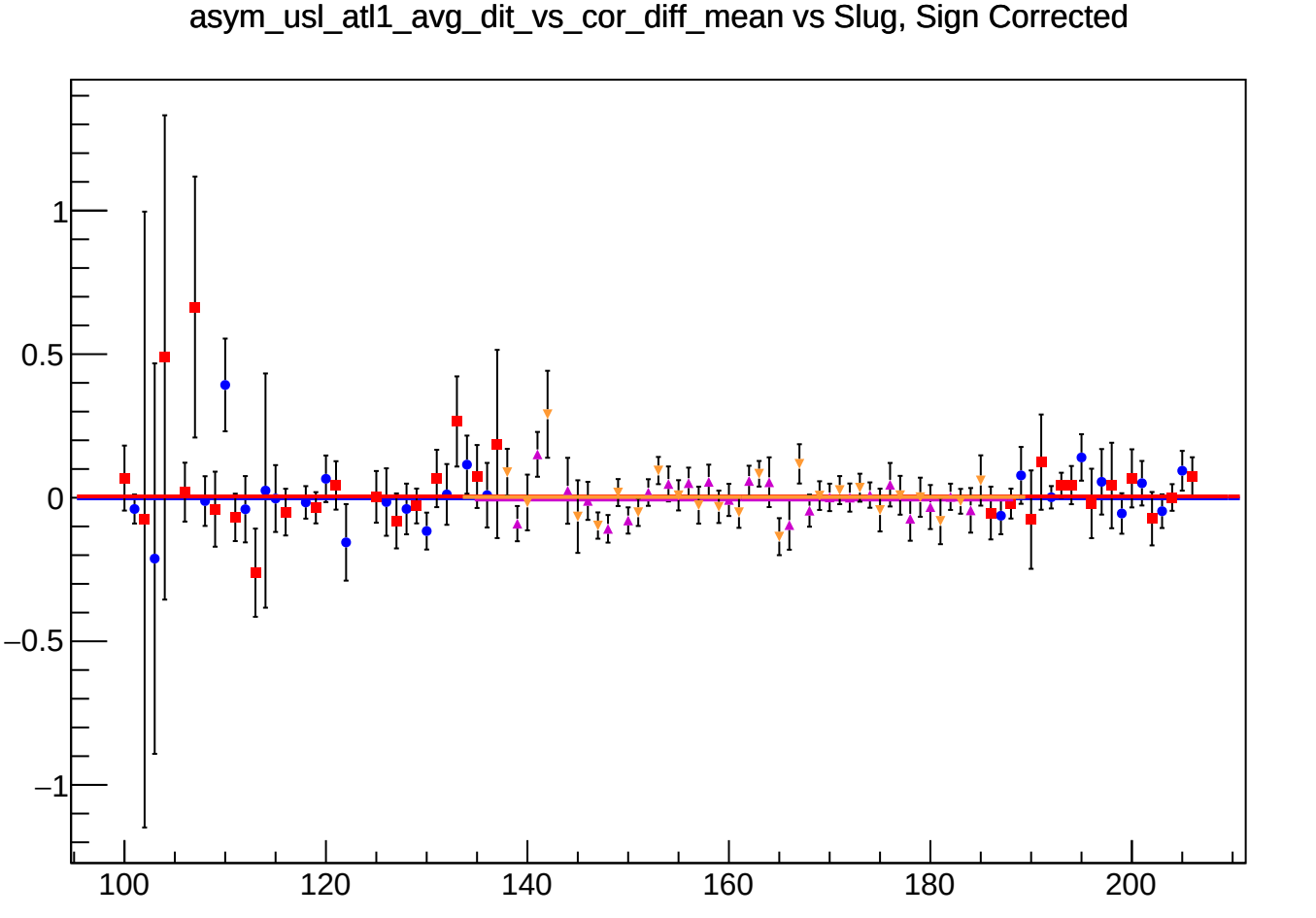
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6824587.3/54

In: 0.000+/-0.000 χ^2/NDF:9837707.3/47

Out: 0.000+/-0.000 χ^2/NDF:6696707.4/53

All: 0.000+/-0.000 χ^2/NDF: 16910741.9/101



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

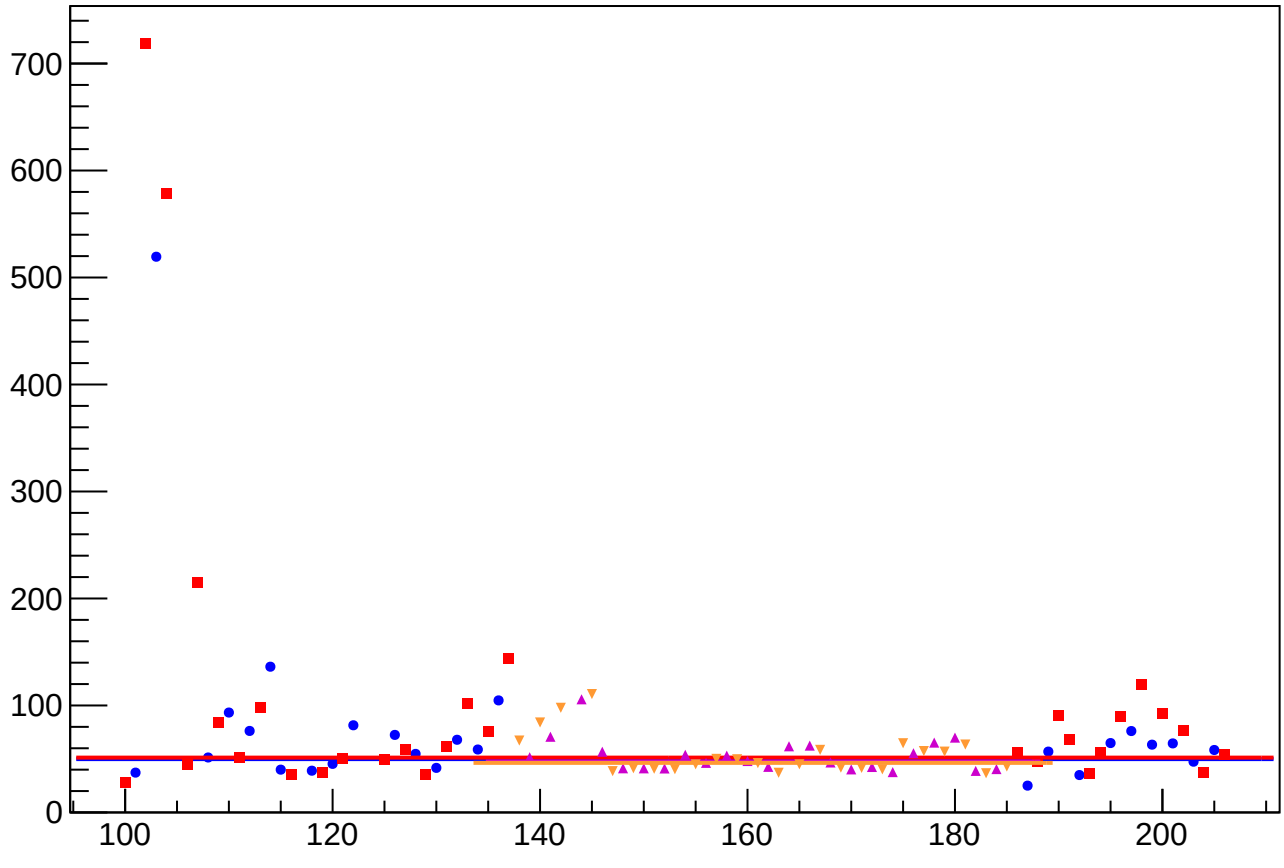
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: 0.001+/-0.011 χ^2/NDF: 39.6/54

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 91.4/101



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

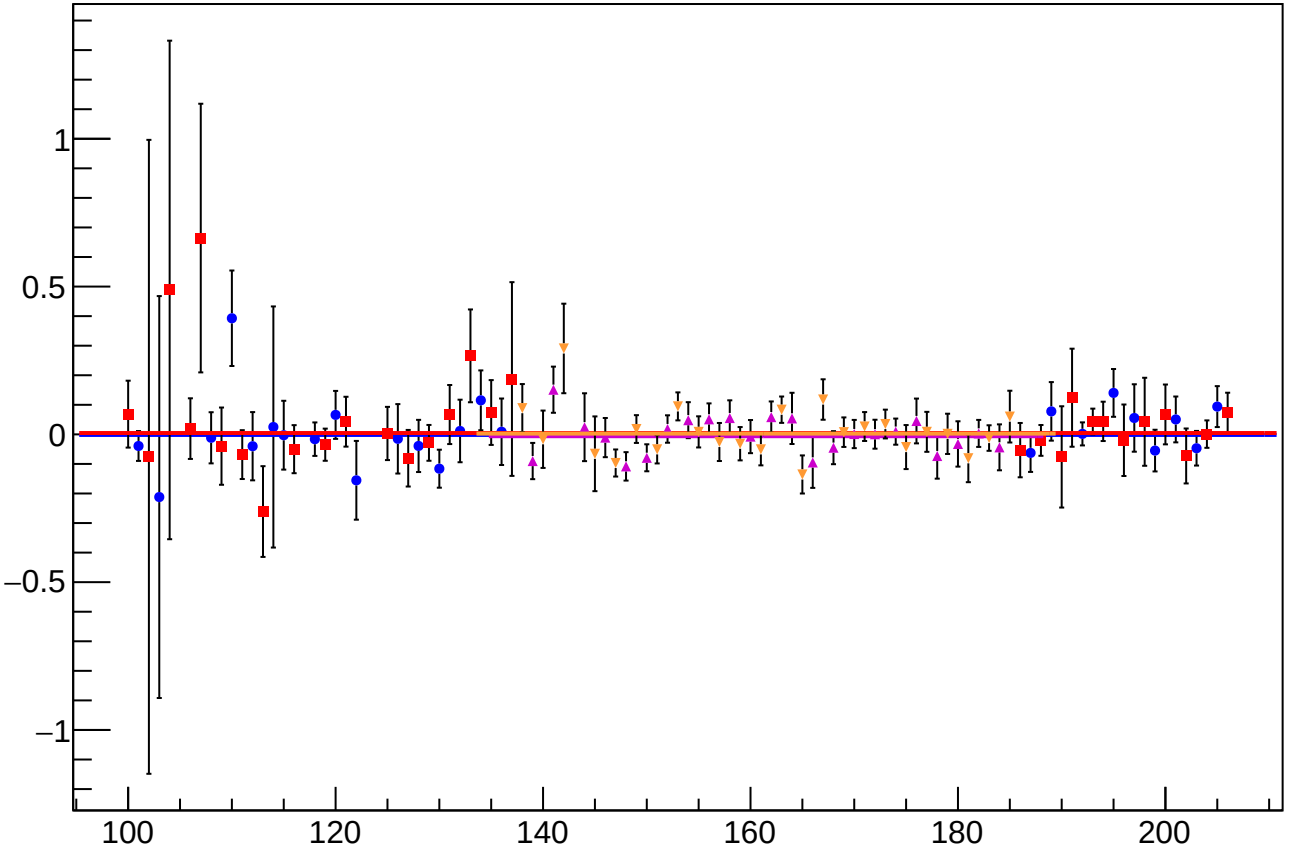
Right: 50.567+/-0.008 χ^2/NDF: 7981594.2/54

In: 48.431+/-0.007 χ^2/NDF:4843151.2/47

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.291+/-0.005 χ^2/NDF: 11670106.4/101

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

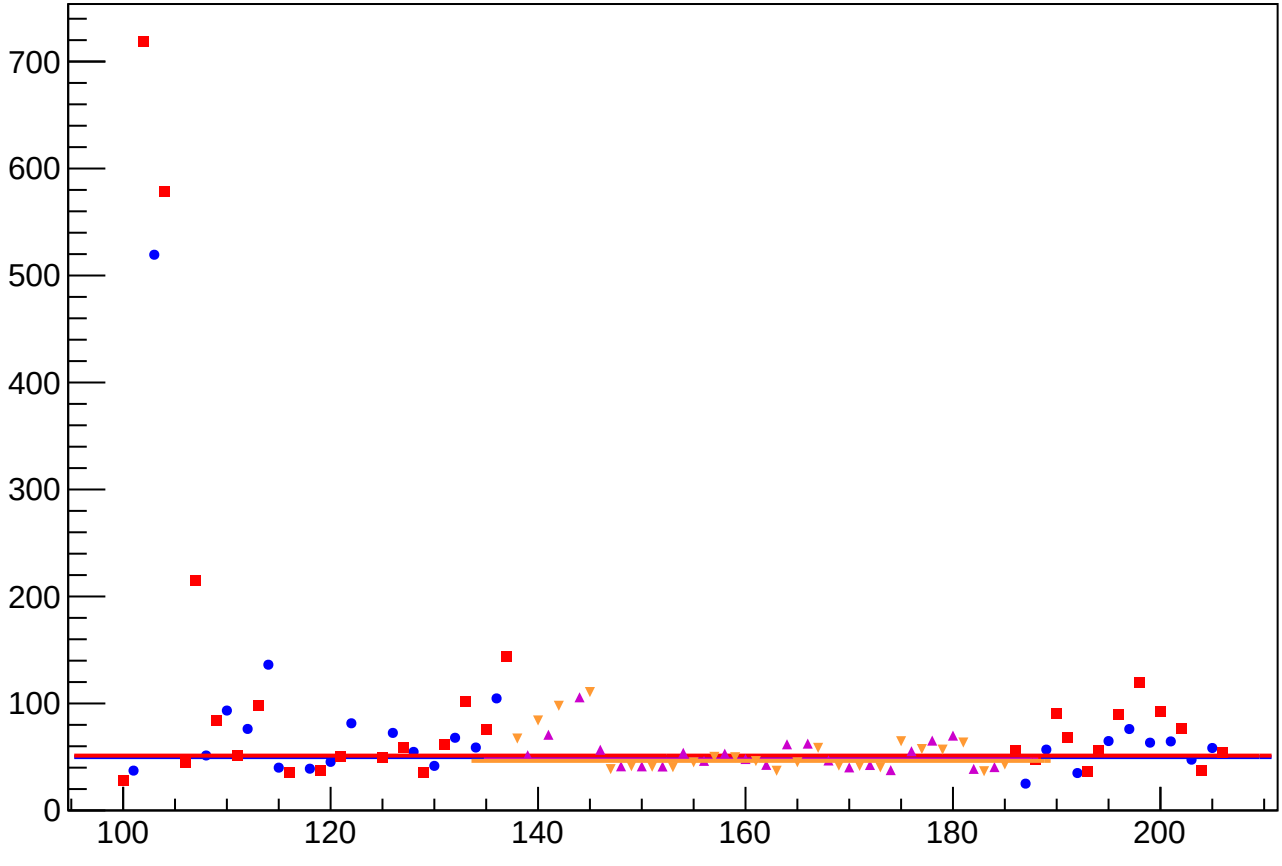
Right: 0.001+/-0.011 χ^2/NDF: 39.6/54

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 91.4/101

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

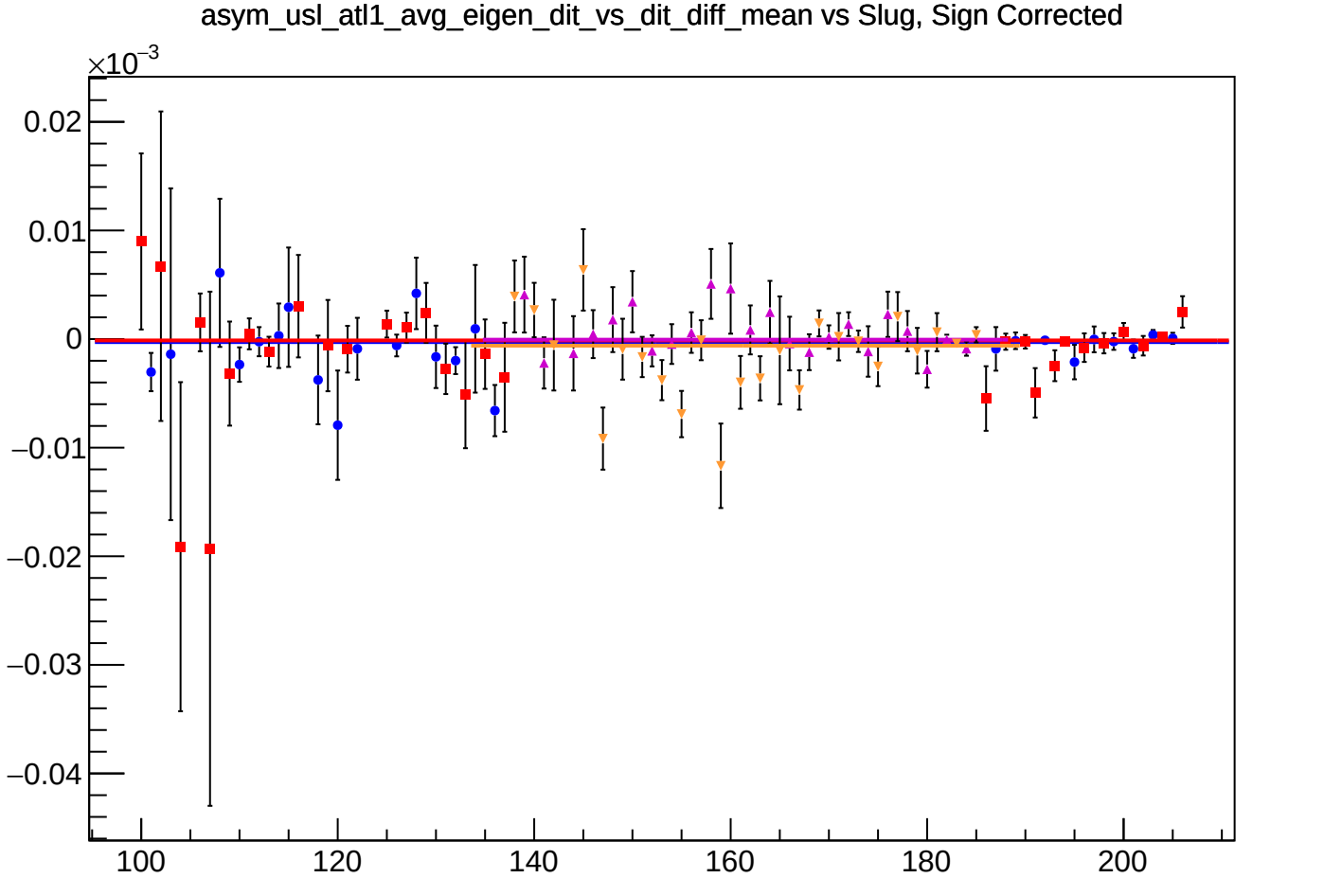
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

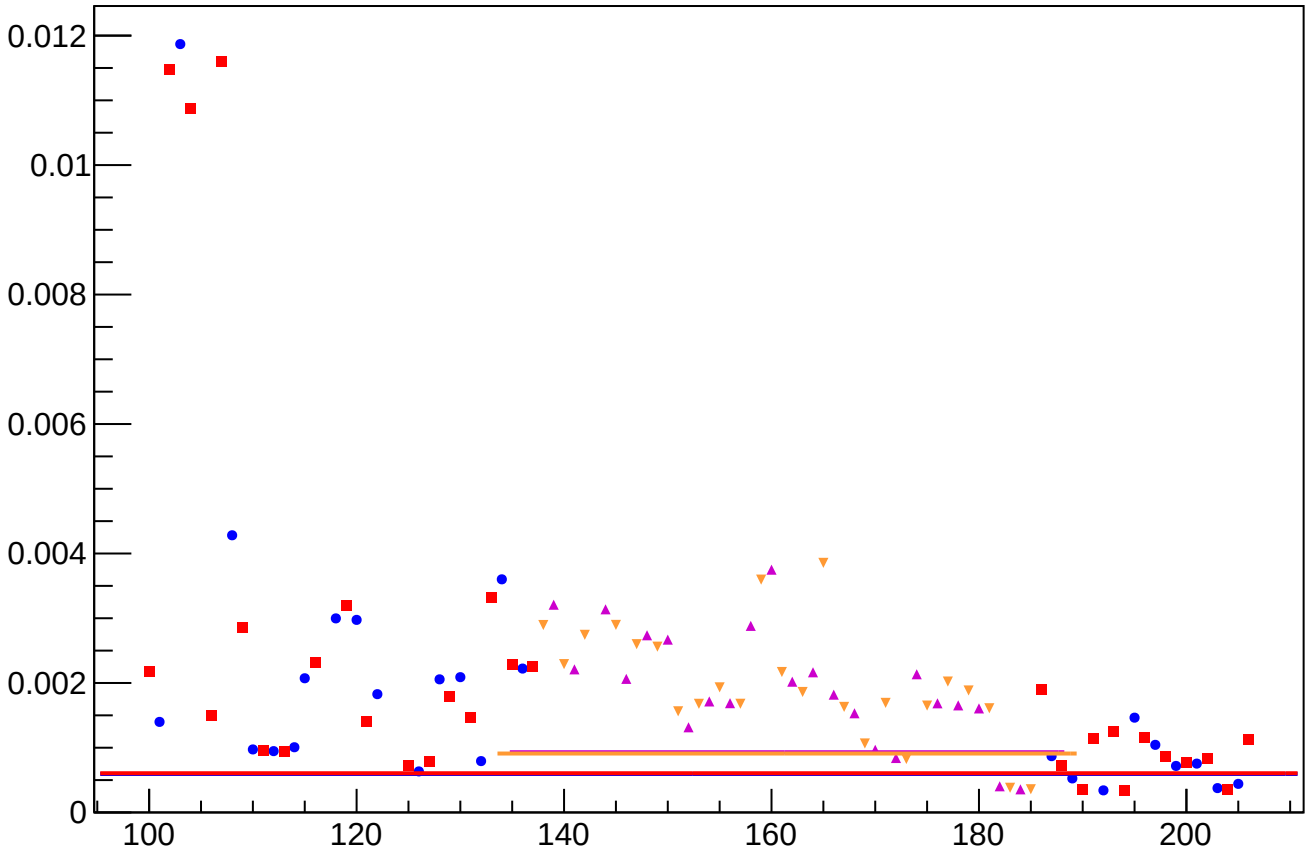
Right: 50.567+/-0.008 χ^2/NDF: 7981594.2/54

In: 48.431+/-0.007 χ^2/NDF:4843151.2/47

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.291+/-0.005 χ^2/NDF: 11670106.4/101


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.6/24
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/29
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 73.8/46
Right: -0.000+/-0.000 χ²/NDF: 52.9/54
In: -0.000+/-0.000 χ²/NDF:42.9/47
Out: -0.000+/-0.000 χ²/NDF:84.0/53
All: -0.000+/-0.000 χ²/NDF: 127.0/101



Right In: 0.001+/-0.000 χ^2/NDF: 8978186.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10917287.8/29

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

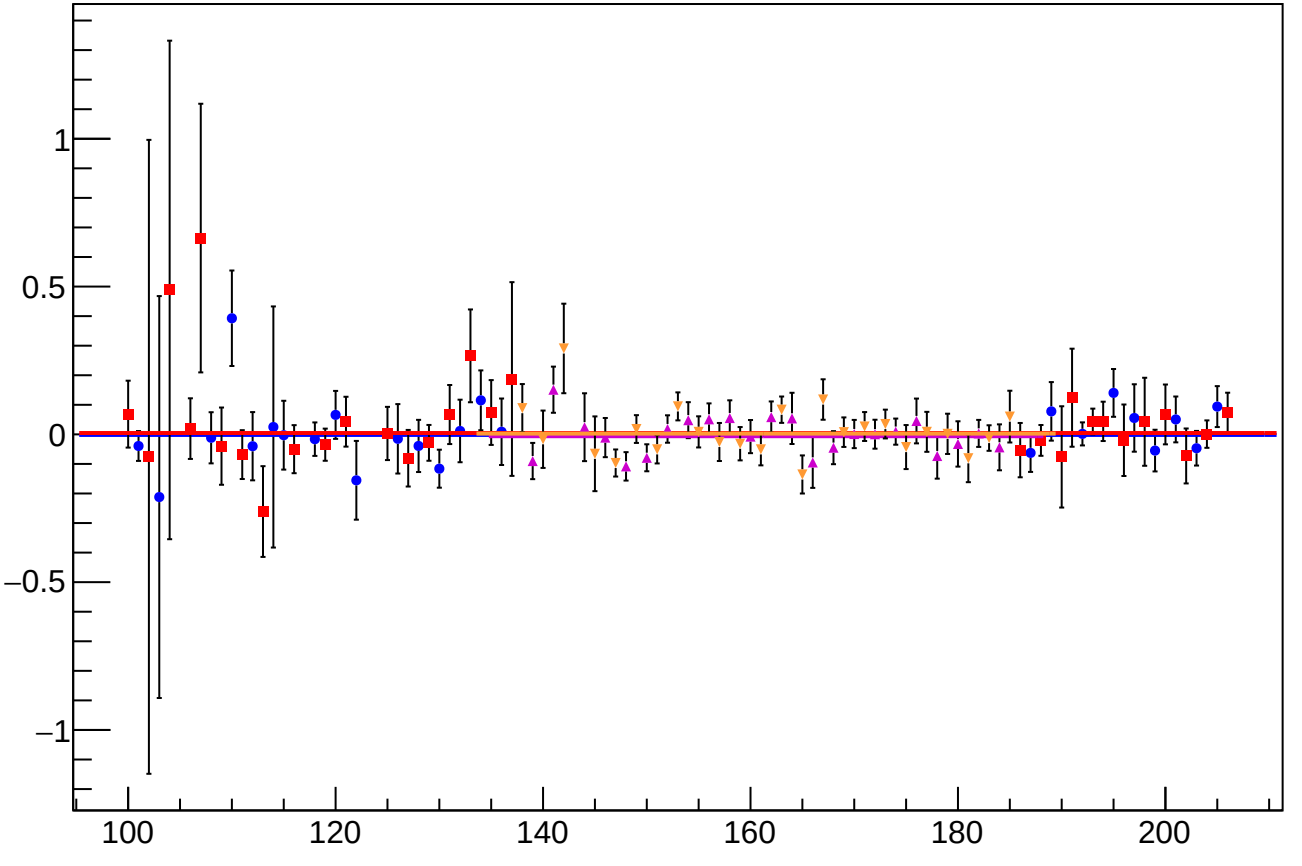
Right: 0.001+/-0.000 χ^2/NDF: 19898938.6/54

In: 0.001+/-0.000 χ^2/NDF:24554204.0/47

Out: 0.001+/-0.000 χ^2/NDF:26664524.5/53

All: 0.001+/-0.000 χ^2/NDF: 51218916.6/101

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

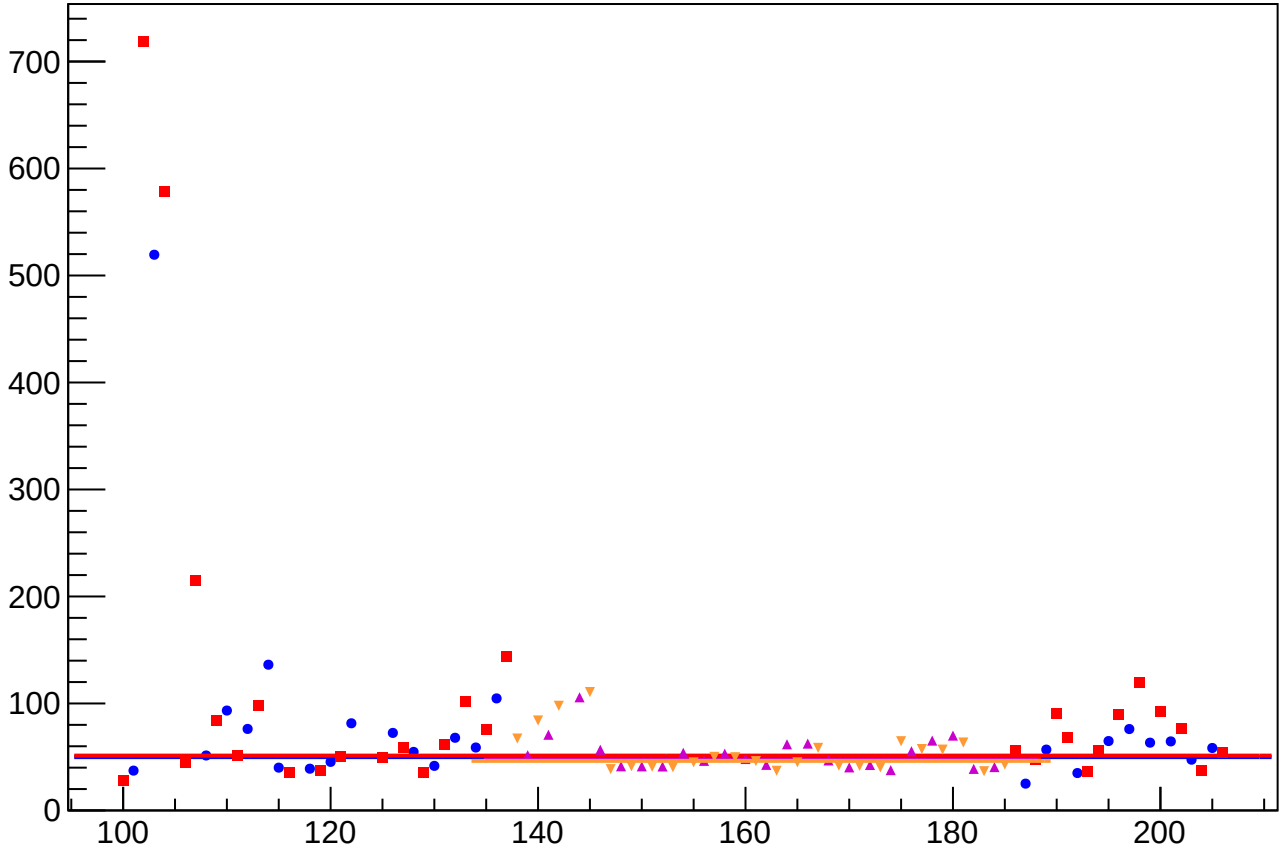
Right: 0.001+/-0.011 χ^2/NDF: 39.6/54

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 91.4/101

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

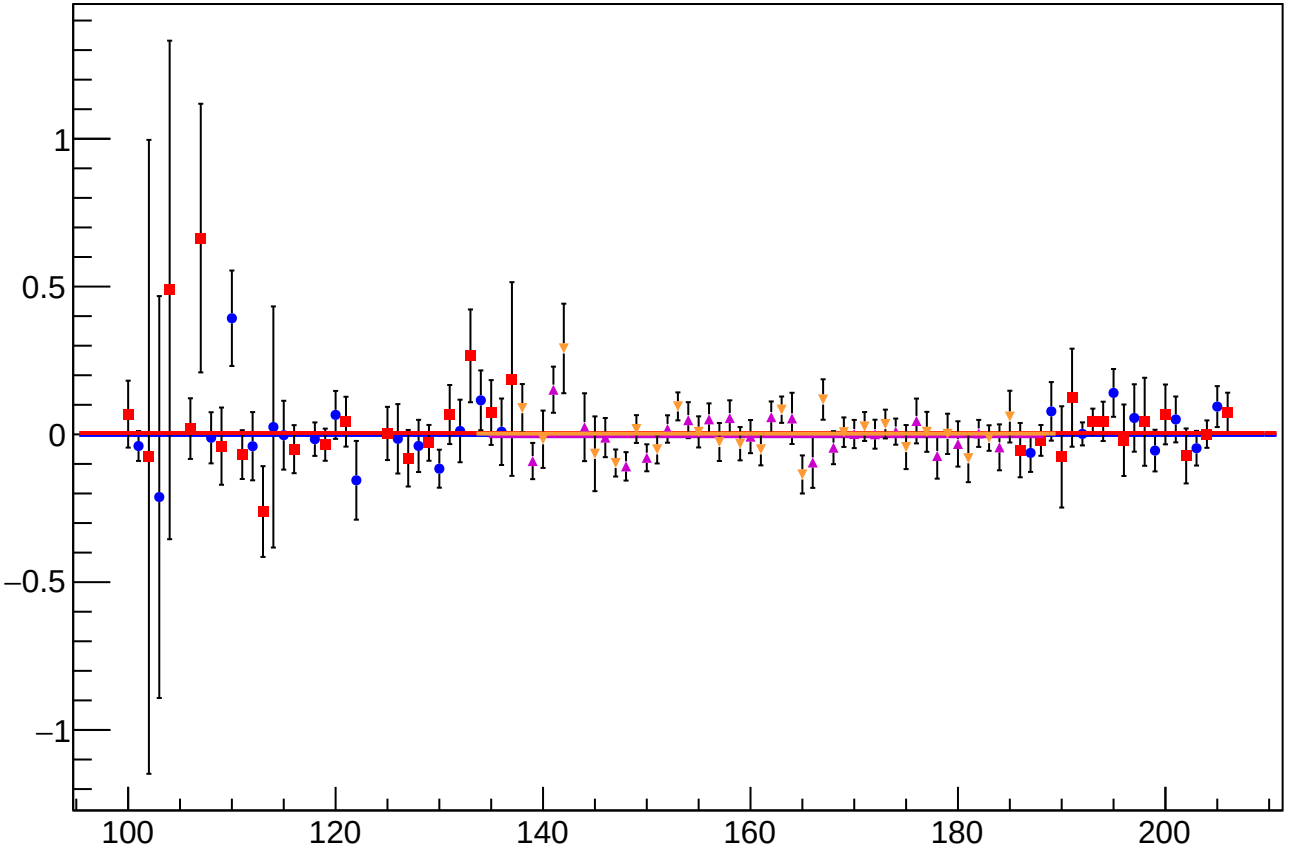
Right: 50.567+/-0.008 χ^2/NDF: 7981599.2/54

In: 48.431+/-0.007 χ^2/NDF:4843161.3/47

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.291+/-0.005 χ^2/NDF: 11670086.2/101

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

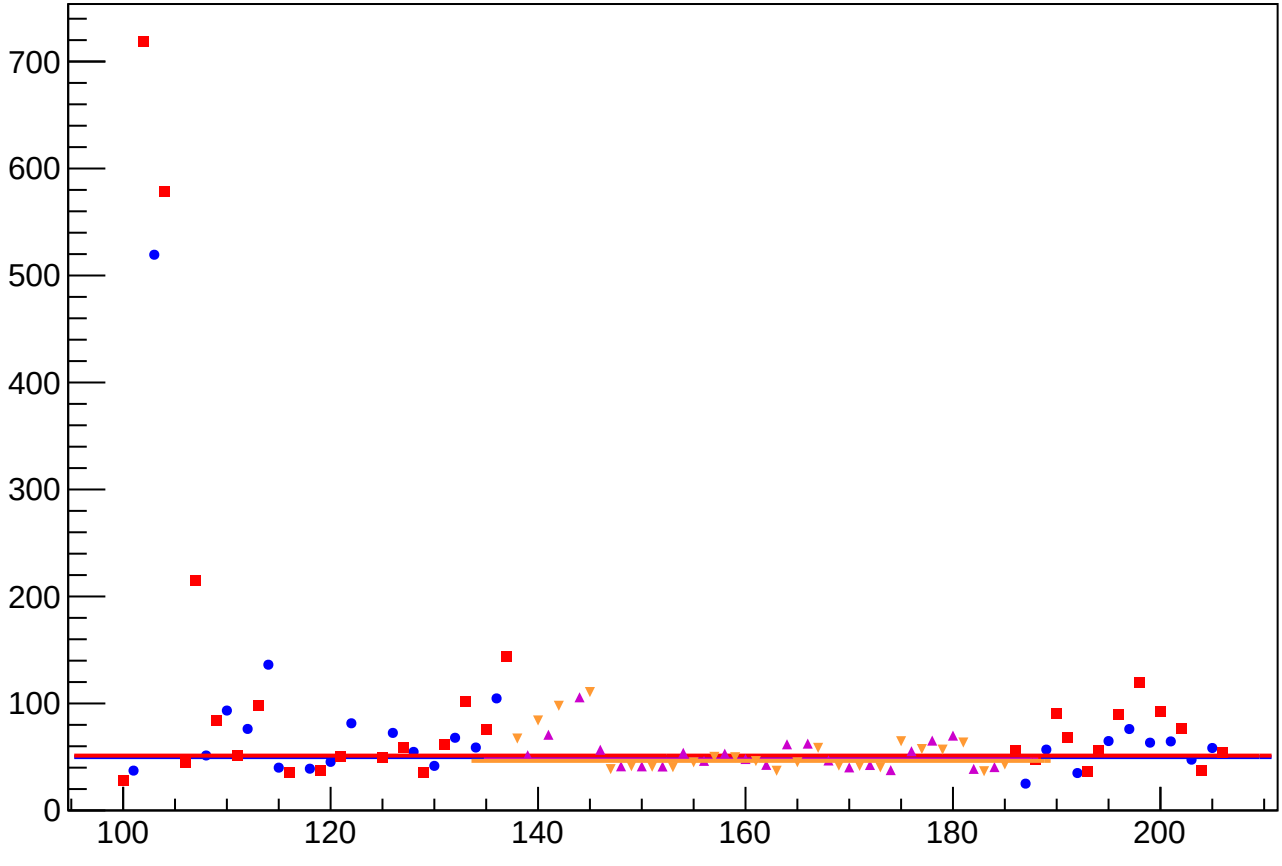
Right: 0.001+/-0.011 χ^2/NDF: 39.6/54

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 91.4/101

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

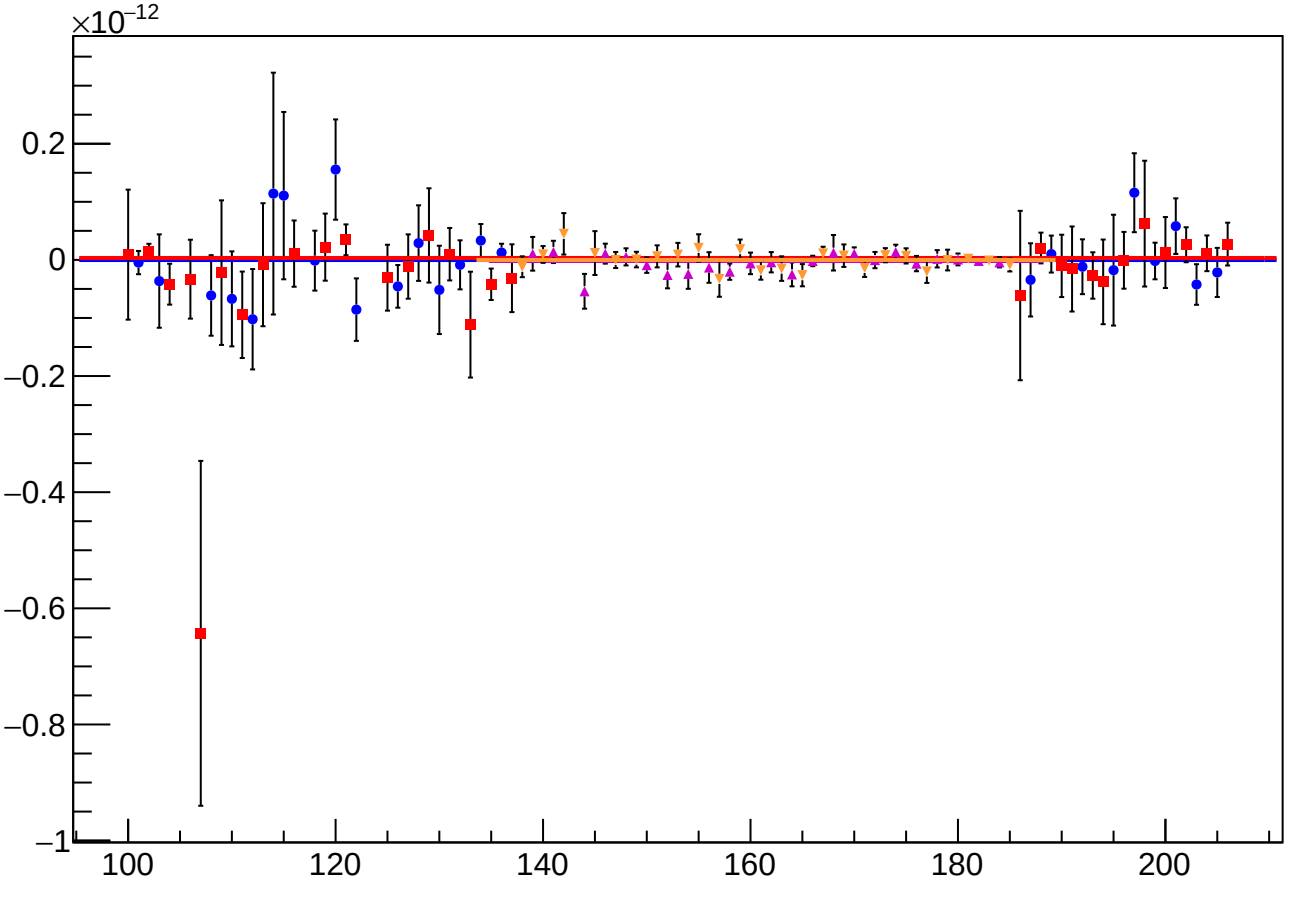
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.567+/-0.008 χ^2/NDF: 7981599.2/54

In: 48.431+/-0.007 χ^2/NDF:4843161.3/47

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.291+/-0.005 χ^2/NDF: 11670086.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/29

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

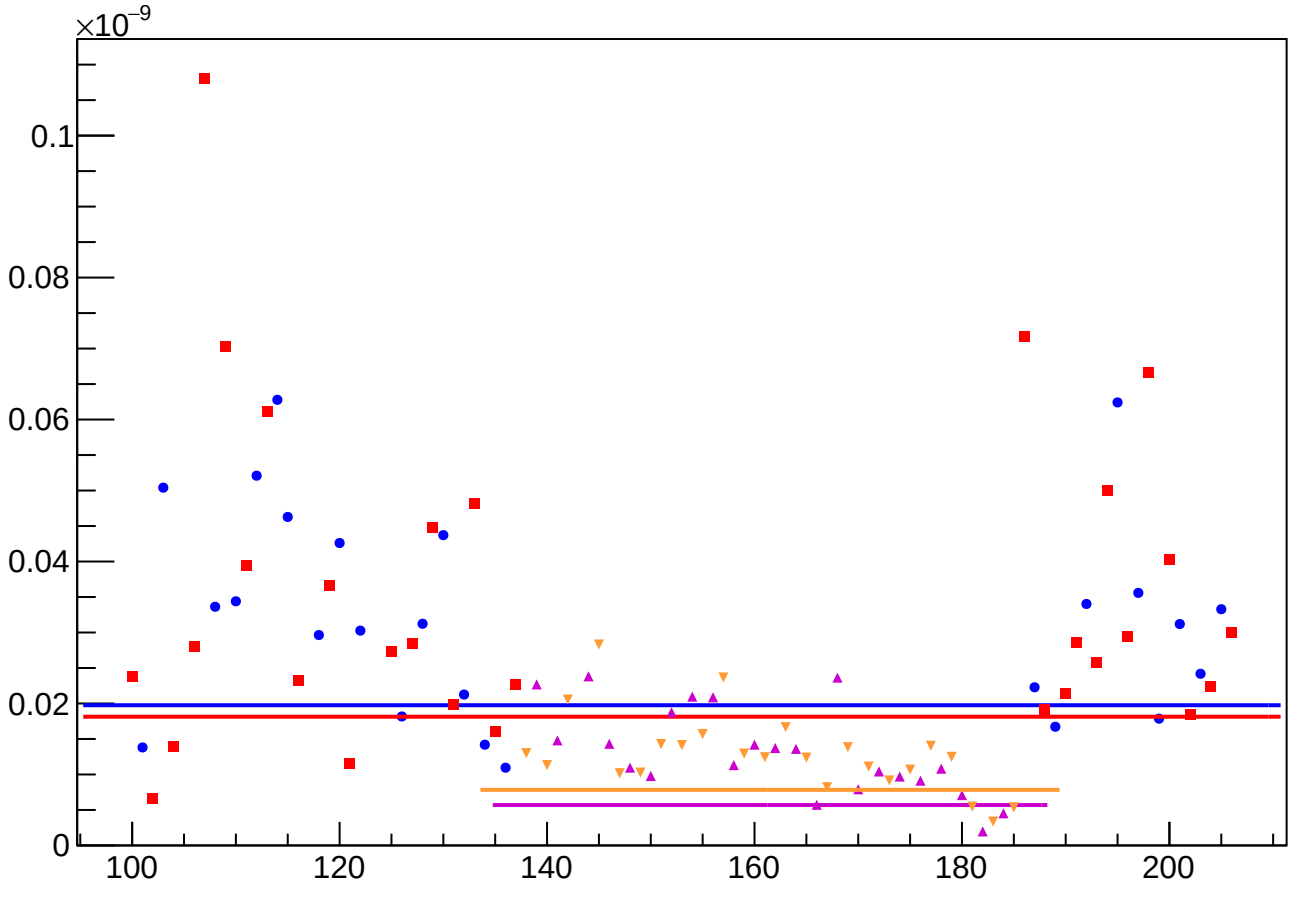
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.0/54

In: -0.000+/-0.000 χ^2/NDF:34.1/47

Out: 0.000+/-0.000 χ^2/NDF:33.3/53

All: -0.000+/-0.000 χ^2/NDF: 67.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 3417975.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5392227.7/29

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

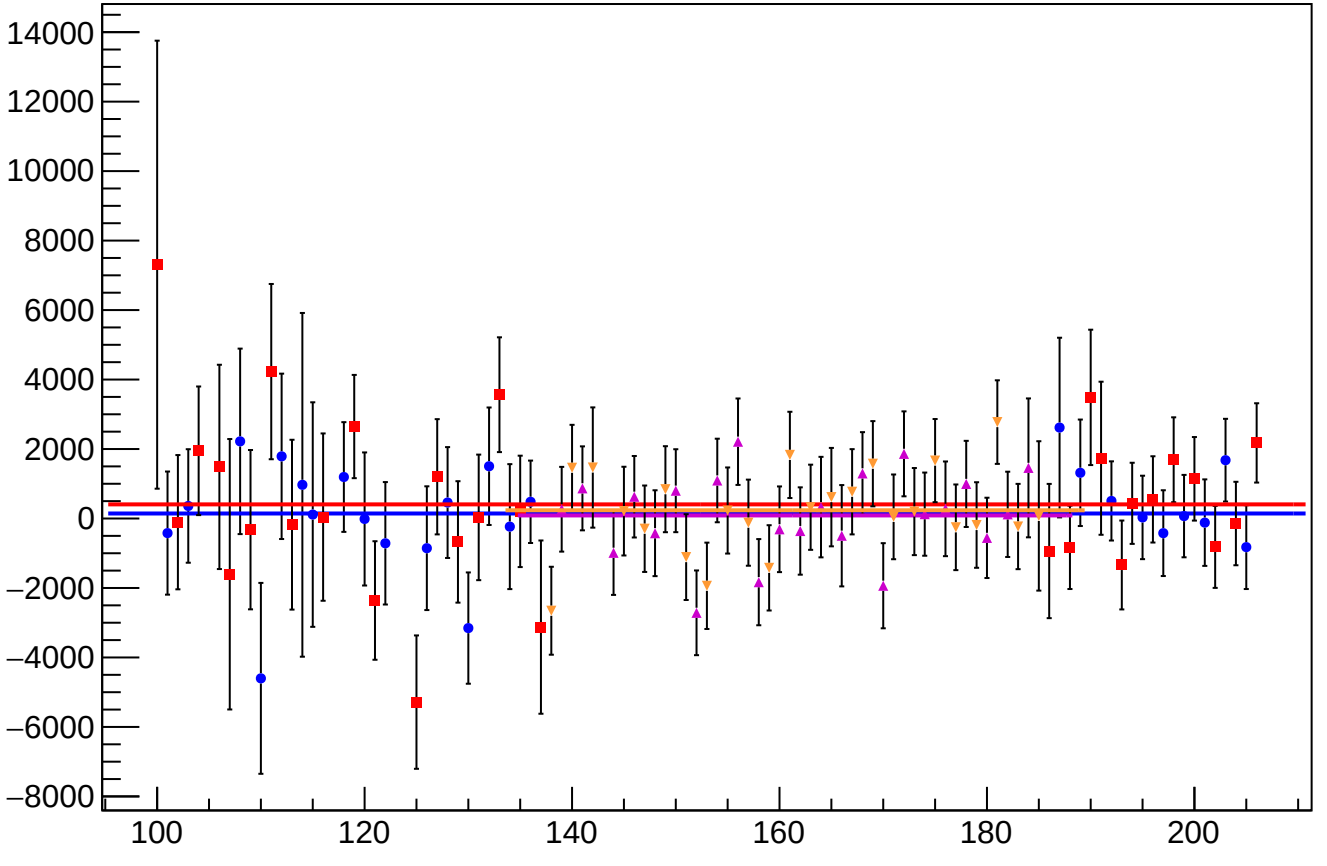
Right: 0.000+/-0.000 χ^2/NDF: 8856024.6/54

In: 0.000+/-0.000 χ^2/NDF:20576723.1/47

Out: 0.000+/-0.000 χ^2/NDF:15398065.0/53

All: 0.000+/-0.000 χ^2/NDF: 37046903.0/101

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.308+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 406.737+/-296.186 χ^2/NDF: 36.3/29

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

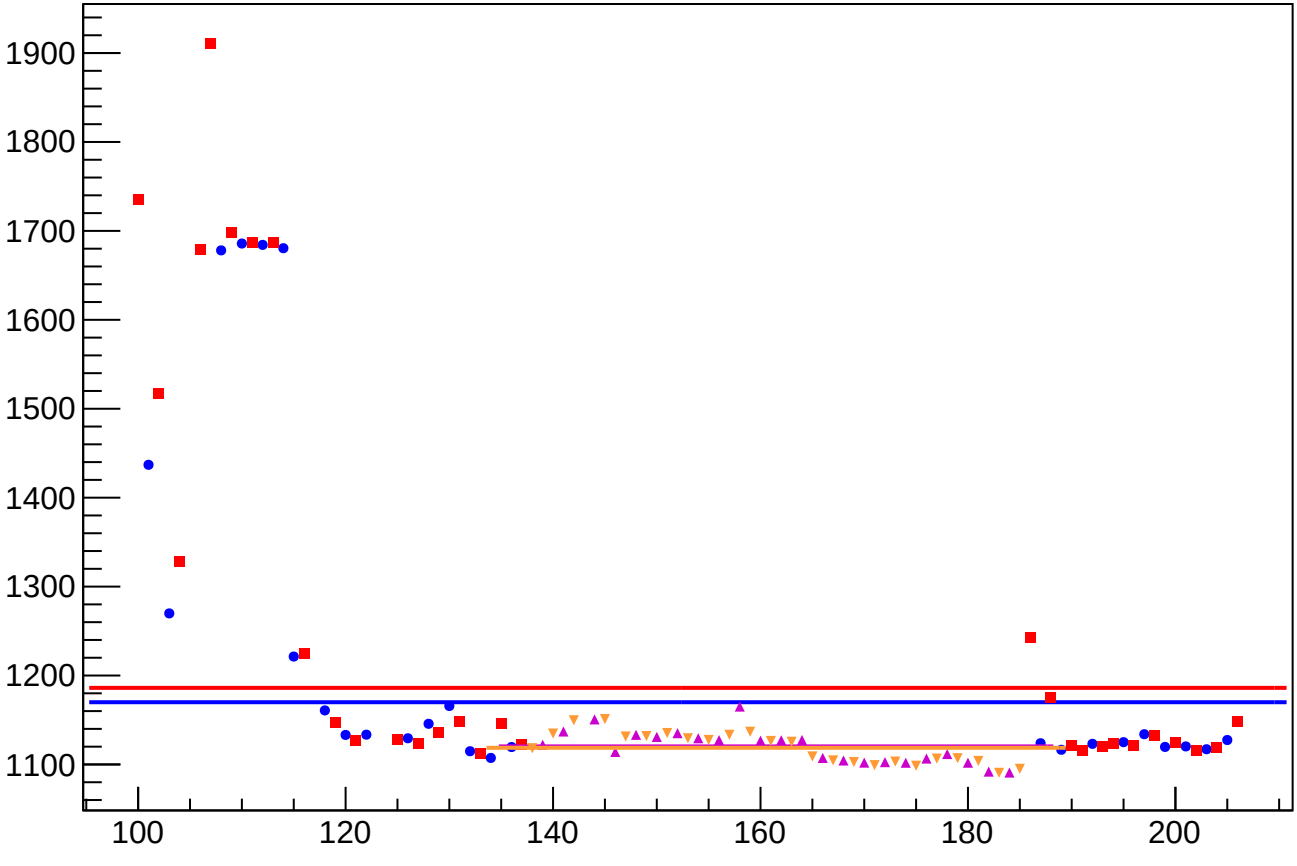
Right: 282.901+/-215.243 χ^2/NDF: 51.1/54

In: 111.352+/-200.815 χ^2/NDF:35.3/47

Out: 310.540+/-195.255 χ^2/NDF:59.2/53

All: 213.741+/-139.990 χ^2/NDF: 95.0/101

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.3/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.144+/-0.209 χ^2/NDF: 537928.4/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

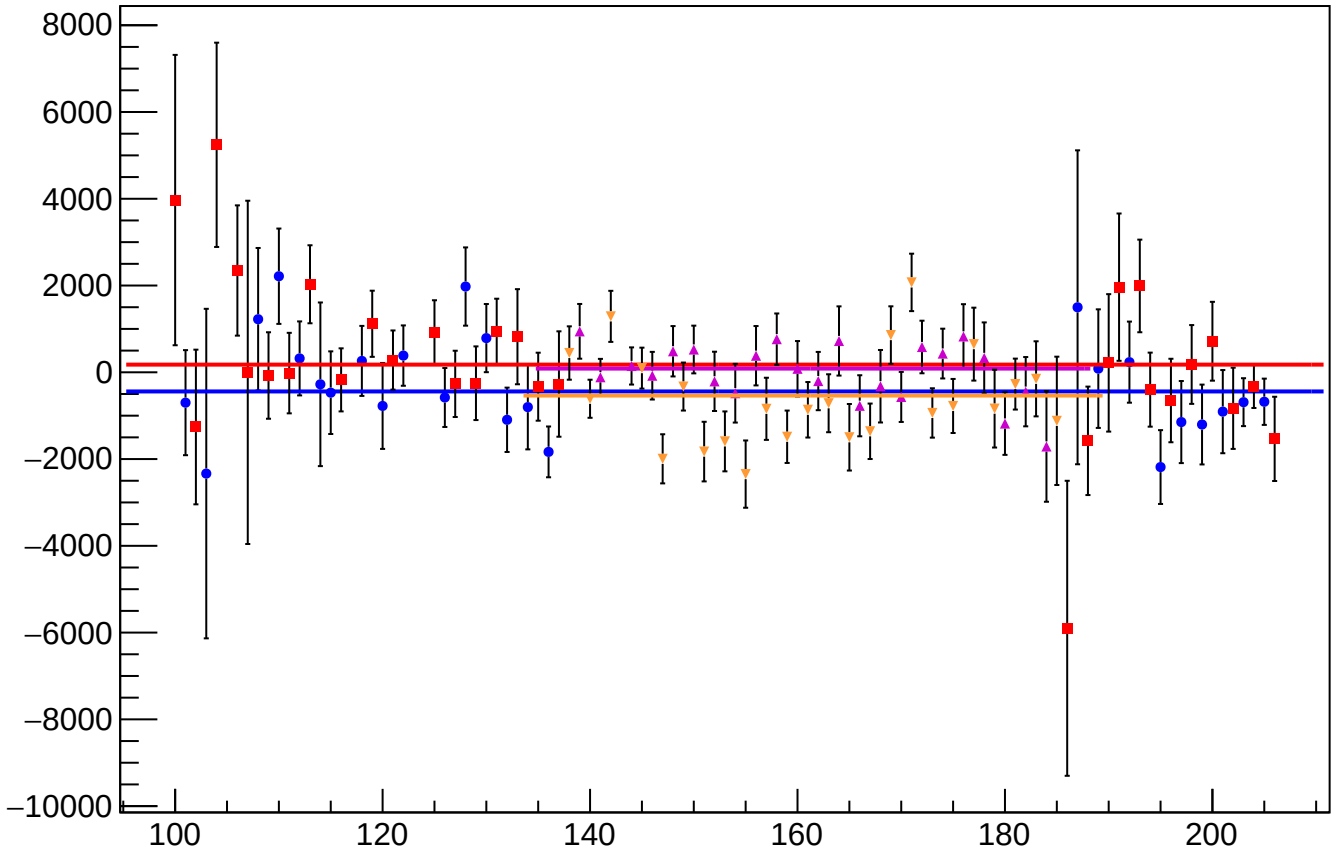
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1178.516+/-0.152 χ^2/NDF: 887227.3/54

In: 1140.710+/-0.142 χ^2/NDF:385584.4/47

Out: 1148.029+/-0.138 χ^2/NDF:604709.7/53

All: 1144.472+/-0.099 χ^2/NDF: 991659.6/101



Right In: -441.412+/-172.892 χ^2/NDF: 33.5/24

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 176.796+/-172.544 χ^2/NDF: 34.3/29

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

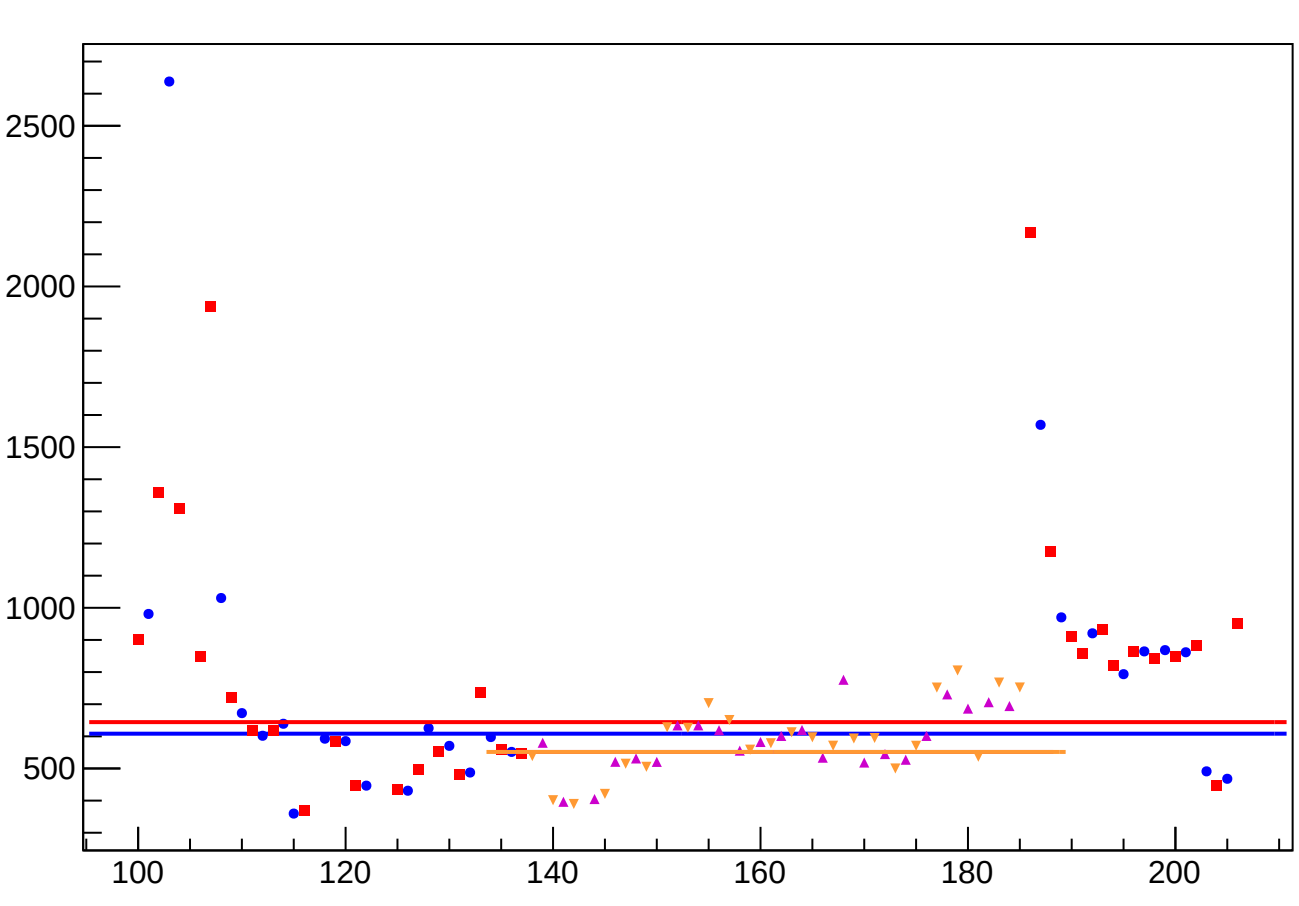
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -131.686+/-122.130 χ^2/NDF: 74.3/54

In: -106.768+/-104.396 χ^2/NDF:56.6/47

Out: -276.194+/-104.157 χ^2/NDF:106.7/53

All: -191.675+/-73.734 χ^2/NDF: 164.6/101



Right In: 608.249+/-0.122 χ^2/NDF: 2634164.0/24

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 644.251+/-0.122 χ^2/NDF: 3661027.5/29

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

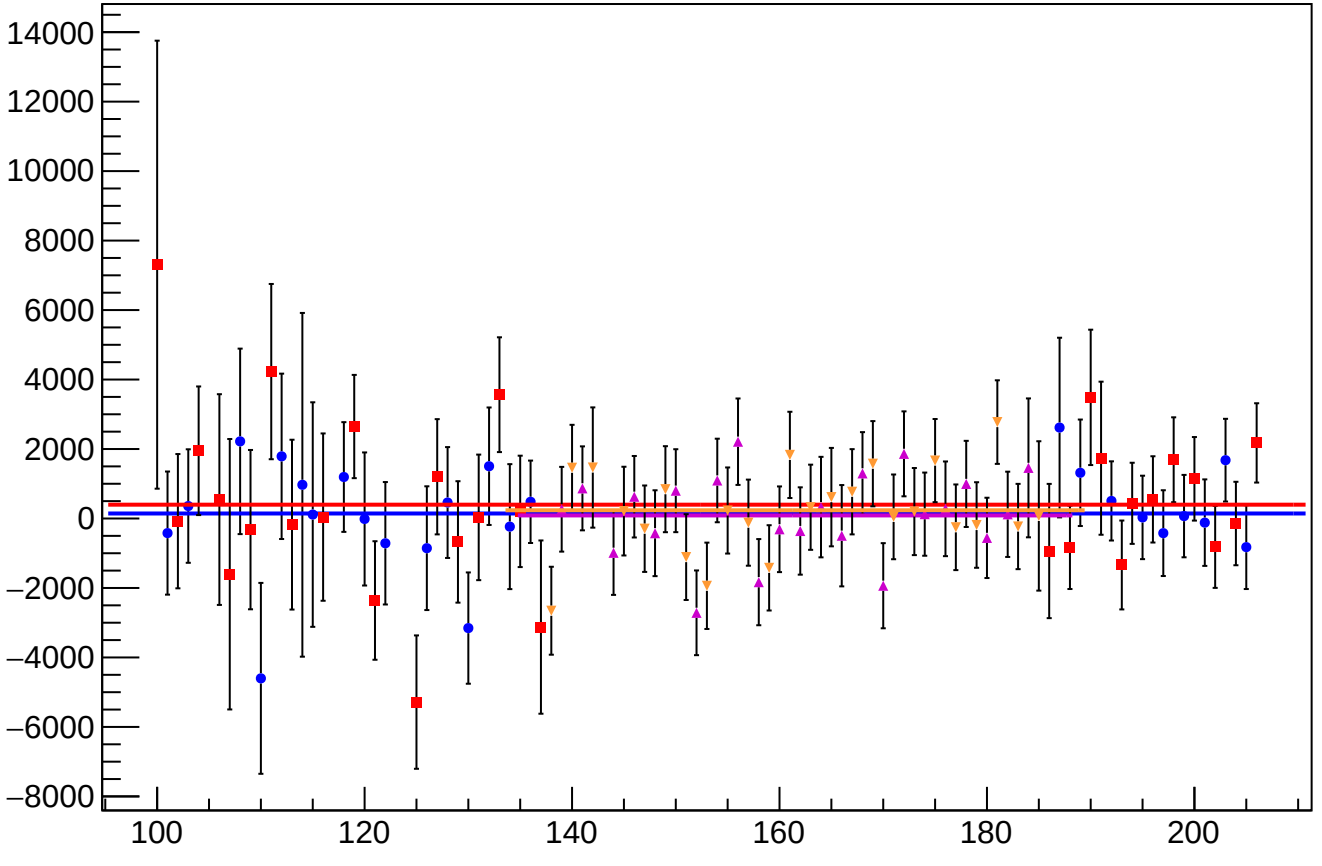
Right: 626.286+/-0.086 χ^2/NDF: 6338641.9/54

In: 572.086+/-0.074 χ^2/NDF:3833631.5/47

Out: 585.260+/-0.074 χ^2/NDF:5255447.5/53

All: 578.688+/-0.052 χ^2/NDF: 9105039.7/101

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 397.802+/-296.277 χ^2/NDF: 36.1/29

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

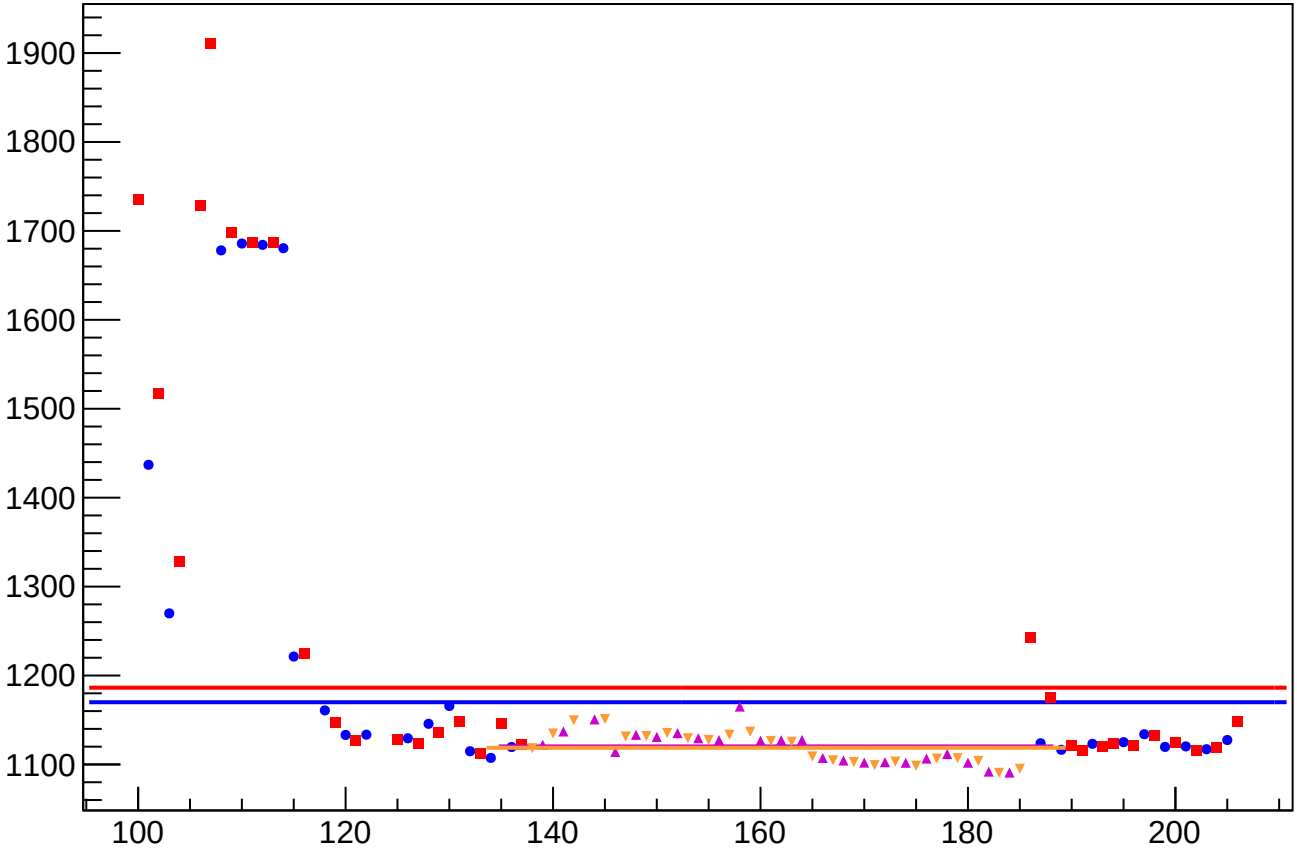
Right: 278.063+/-215.278 χ^2/NDF: 50.9/54

In: 111.276+/-200.815 χ^2/NDF:35.3/47

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 211.695+/-140.000 χ^2/NDF: 94.8/101

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

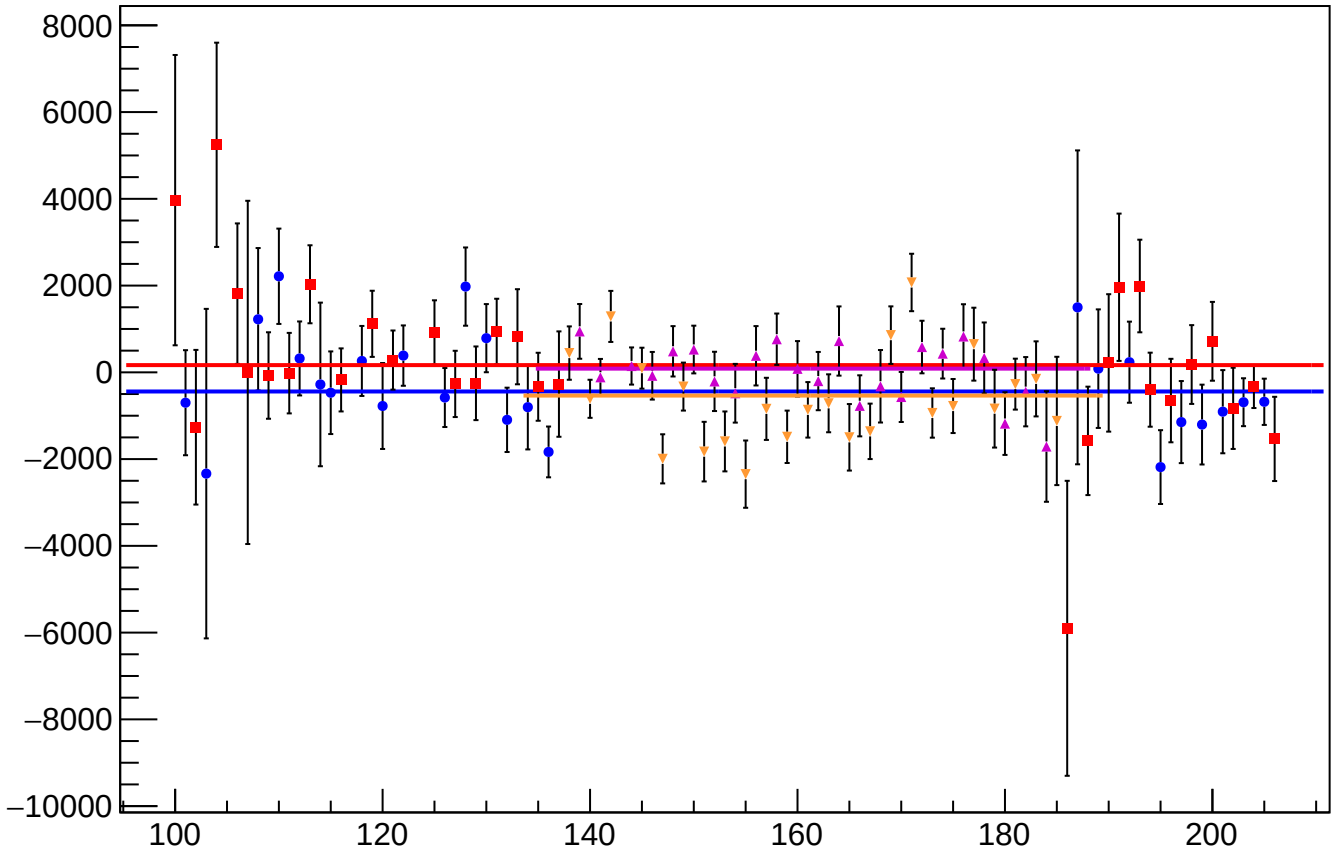
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1178.608+/-0.152 χ^2/NDF: 895169.7/54

In: 1140.711+/-0.142 χ^2/NDF:385584.5/47

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.506+/-0.099 χ^2/NDF: 999853.4/101



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 166.703+/-172.703 χ^2/NDF: 33.3/29

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

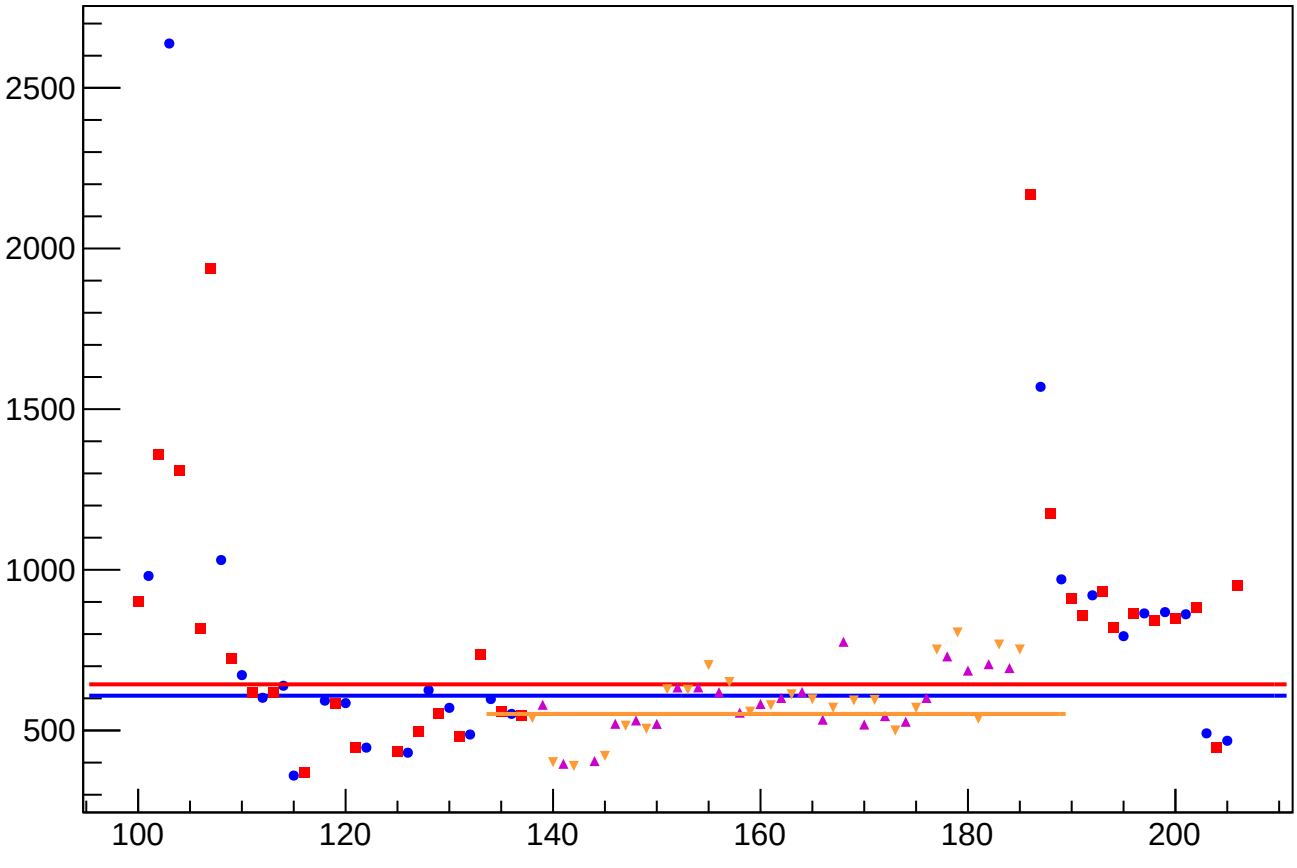
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -137.009+/-122.186 χ^2/NDF: 73.0/54

In: -106.764+/-104.395 χ^2/NDF:56.6/47

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -193.647+/-73.747 χ^2/NDF: 163.3/101



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

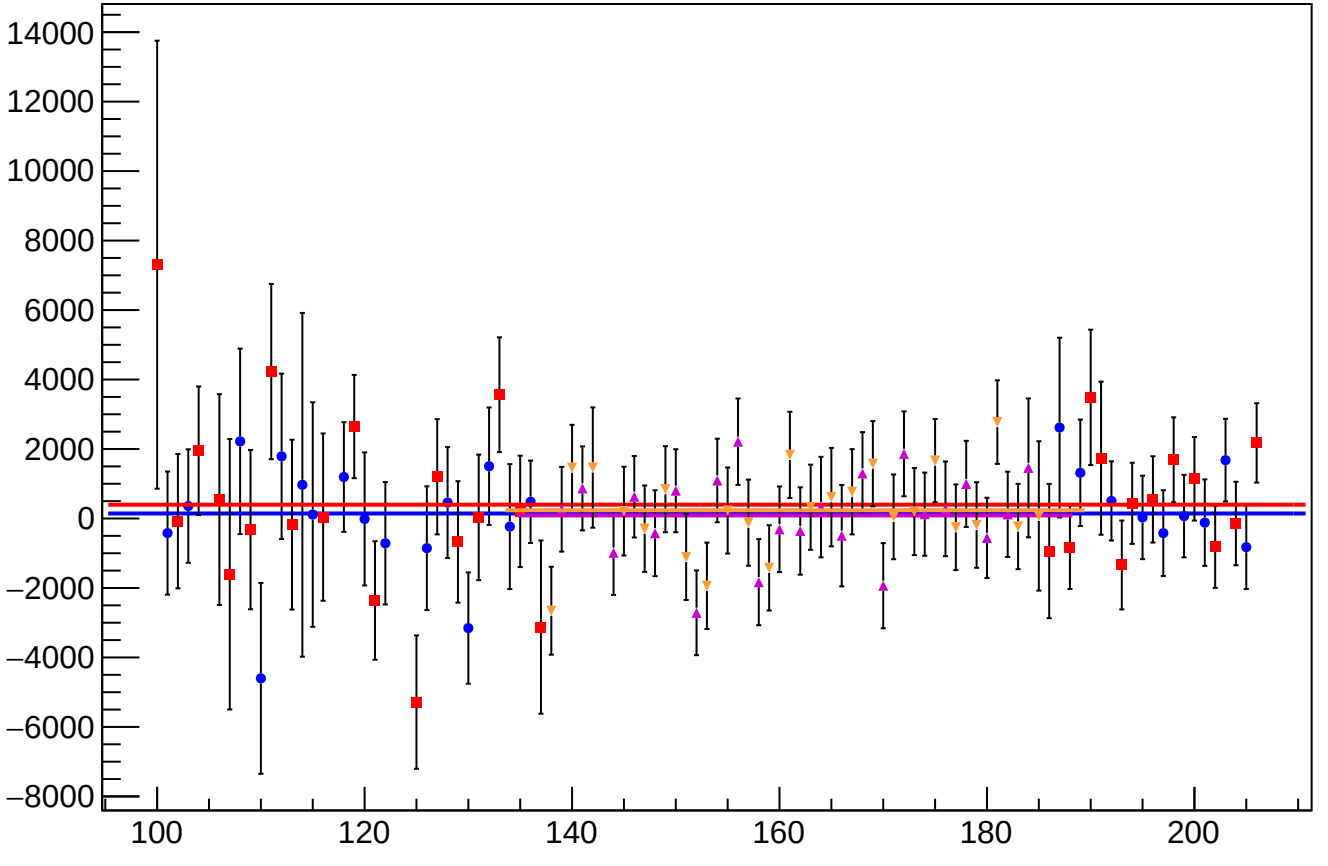
Right: 625.900+/-0.086 χ^2/NDF: 6323146.9/54

In: 572.085+/-0.074 χ^2/NDF:3833573.1/47

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 578.531+/-0.052 χ^2/NDF: 9084338.7/101

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 397.802+/-296.277 χ^2/NDF: 36.1/29

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

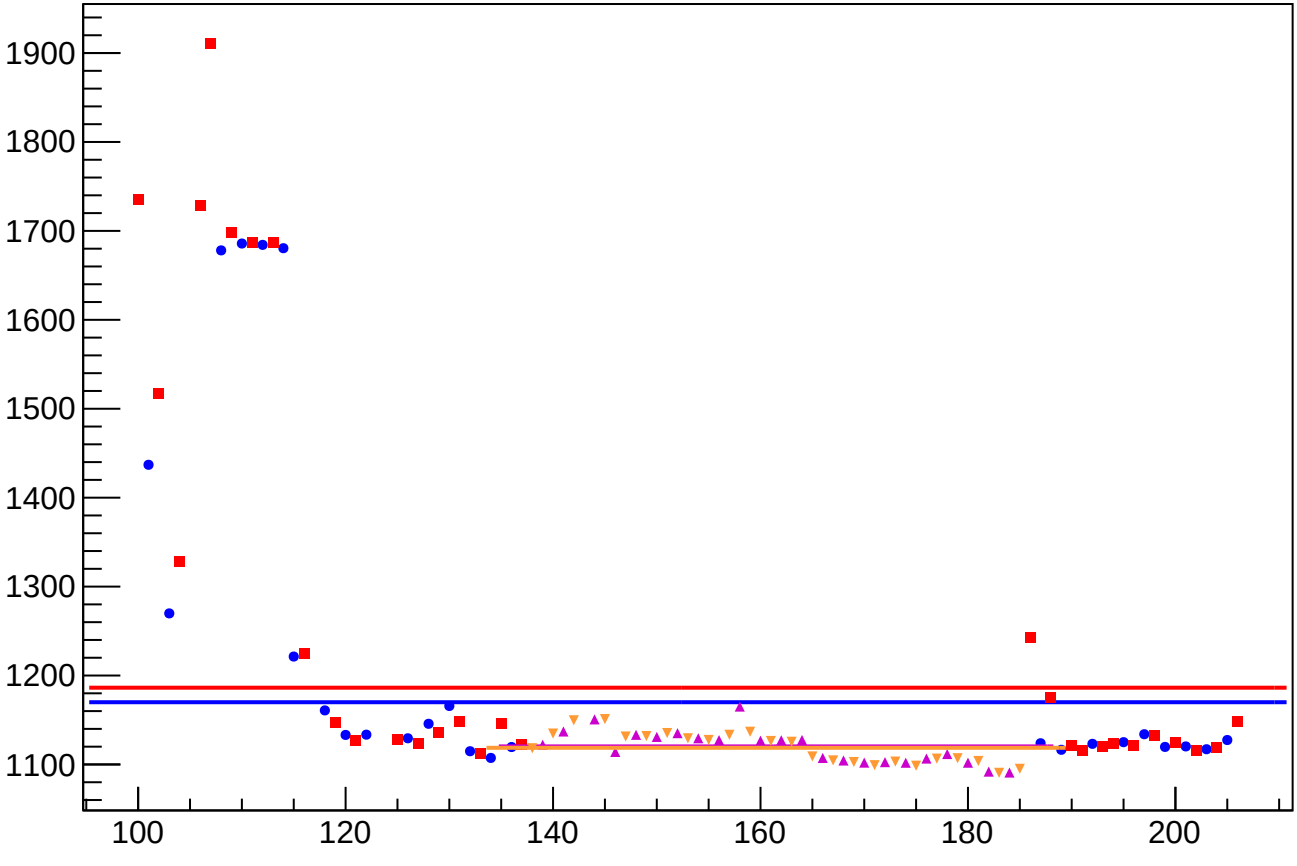
Right: 278.063+/-215.278 χ^2/NDF: 50.9/54

In: 111.276+/-200.815 χ^2/NDF:35.3/47

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 211.695+/-140.000 χ^2/NDF: 94.8/101

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

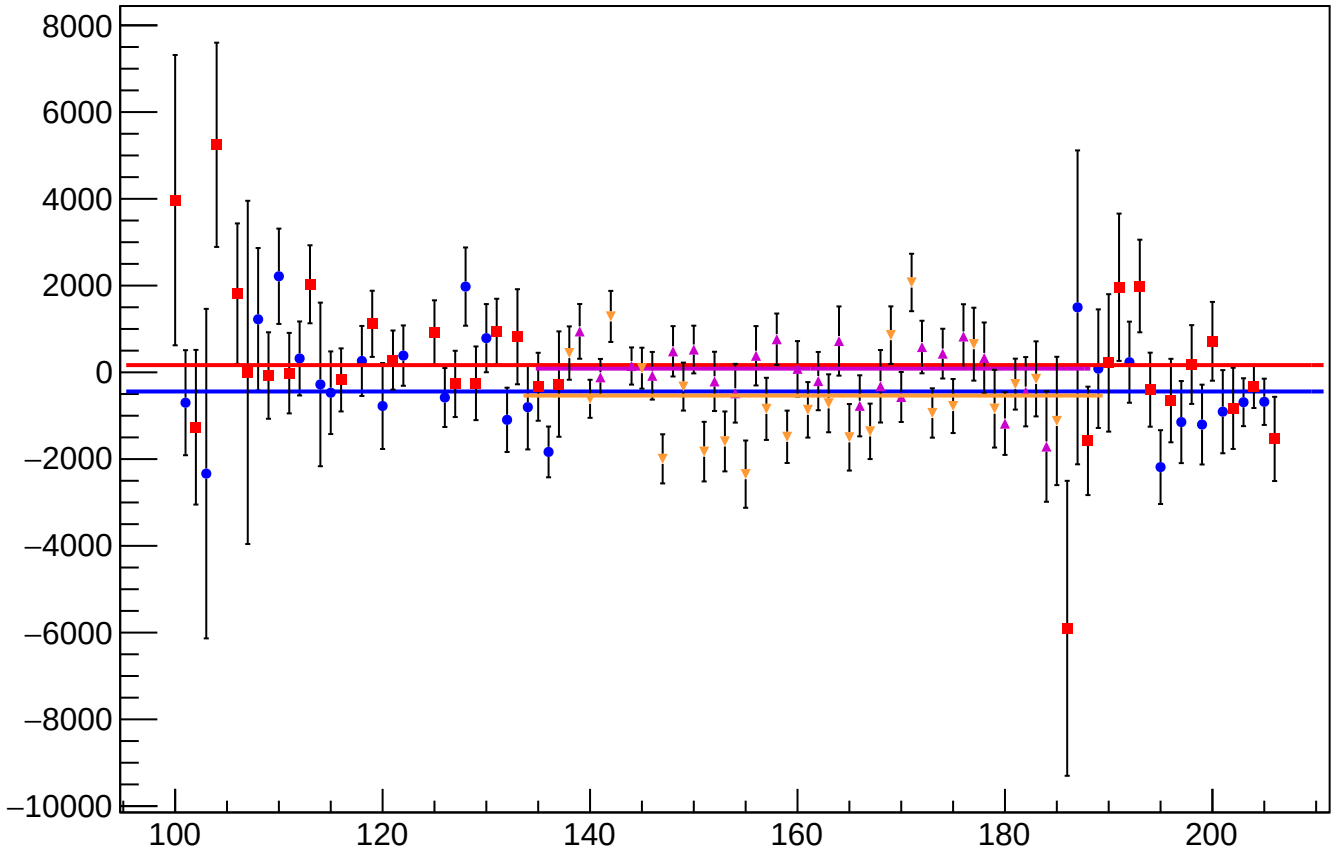
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1178.608+/-0.152 χ^2/NDF: 895169.7/54

In: 1140.711+/-0.142 χ^2/NDF:385584.5/47

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.506+/-0.099 χ^2/NDF: 999853.4/101



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 166.703+/-172.703 χ^2/NDF: 33.3/29

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

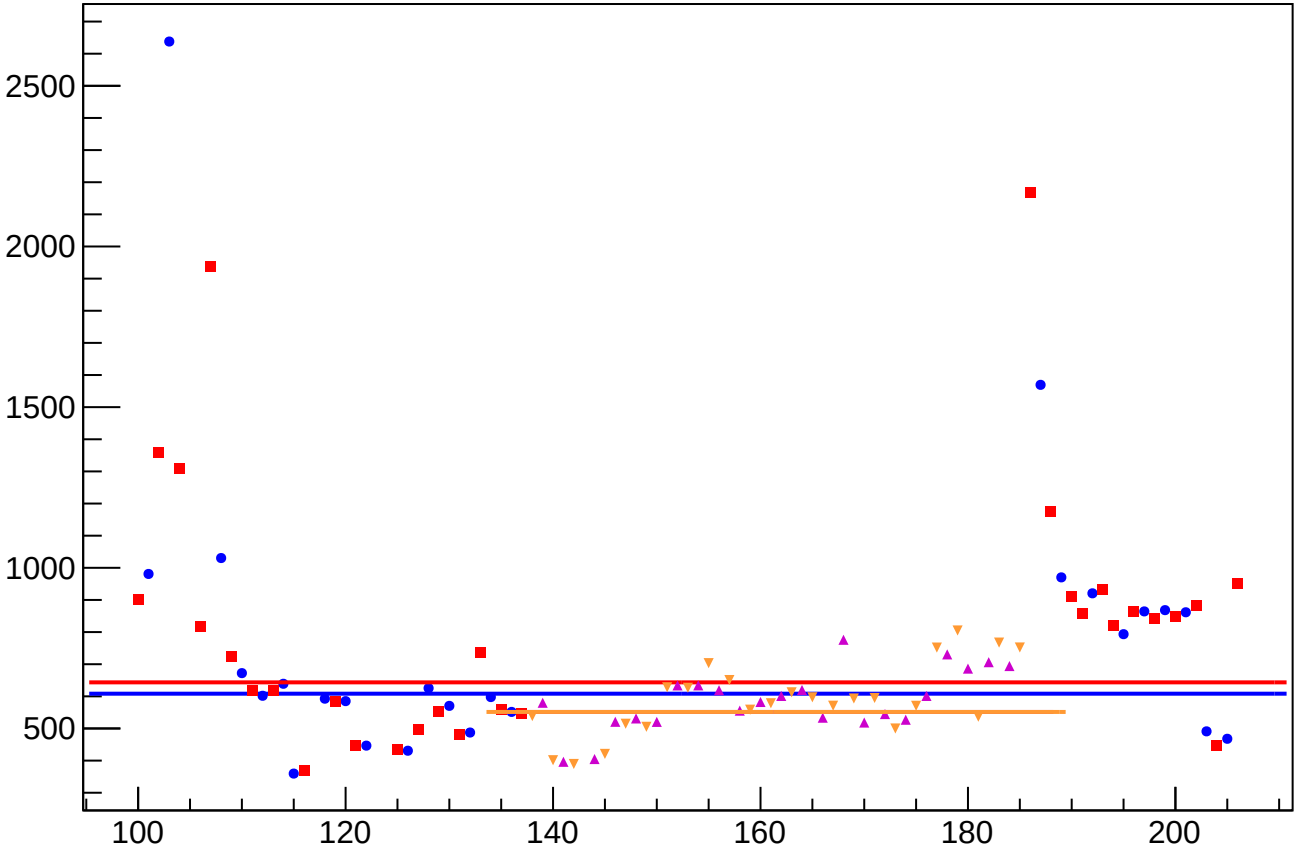
Right: -137.009+/-122.186 χ^2/NDF: 73.0/54

In: -106.764+/-104.395 χ^2/NDF:56.6/47

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -193.647+/-73.747 χ^2/NDF: 163.3/101

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

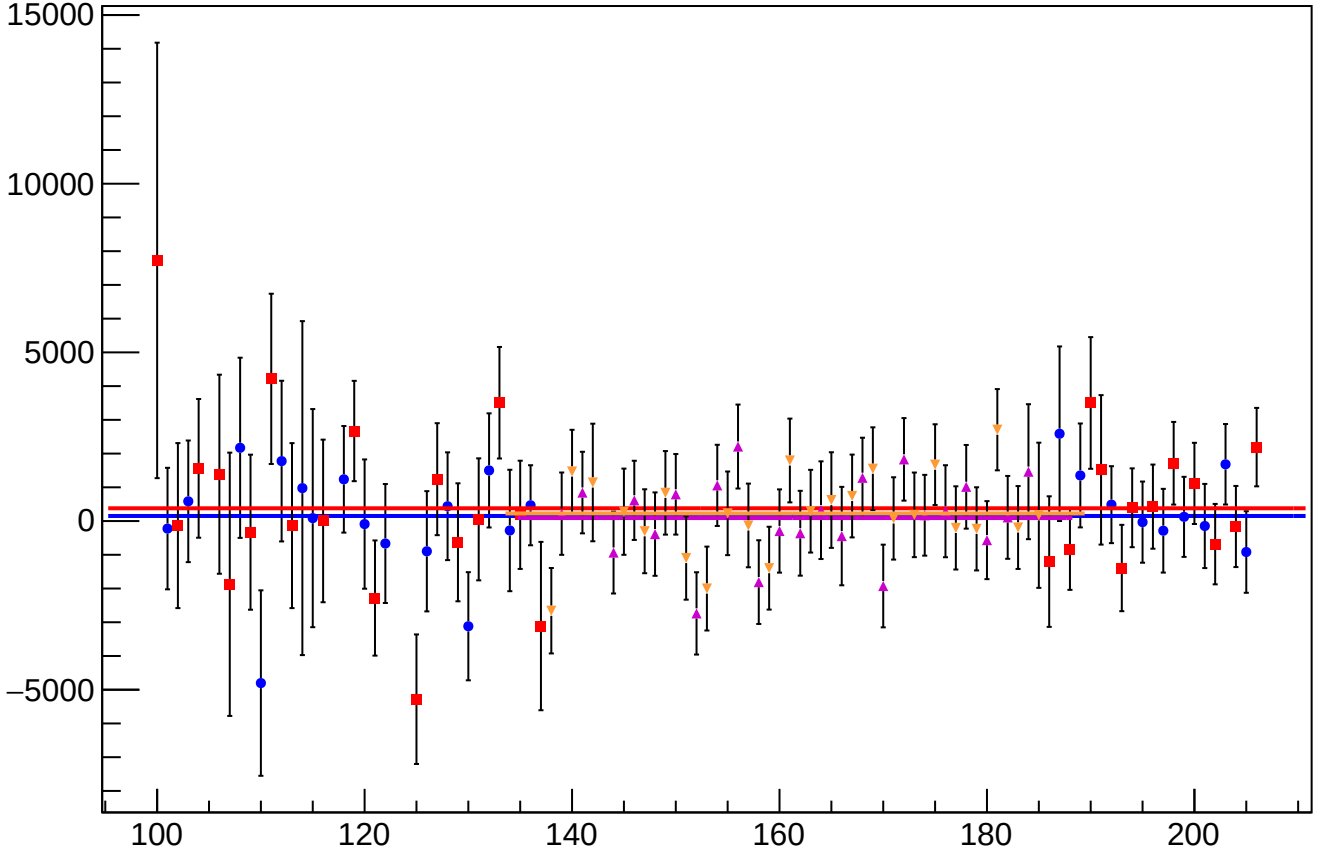
Right: 625.900+/-0.086 χ^2/NDF: 6323146.9/54

In: 572.085+/-0.074 χ^2/NDF:3833573.1/47

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 578.531+/-0.052 χ^2/NDF: 9084338.7/101

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 378.429+/-299.124 χ^2/NDF: 35.7/29

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

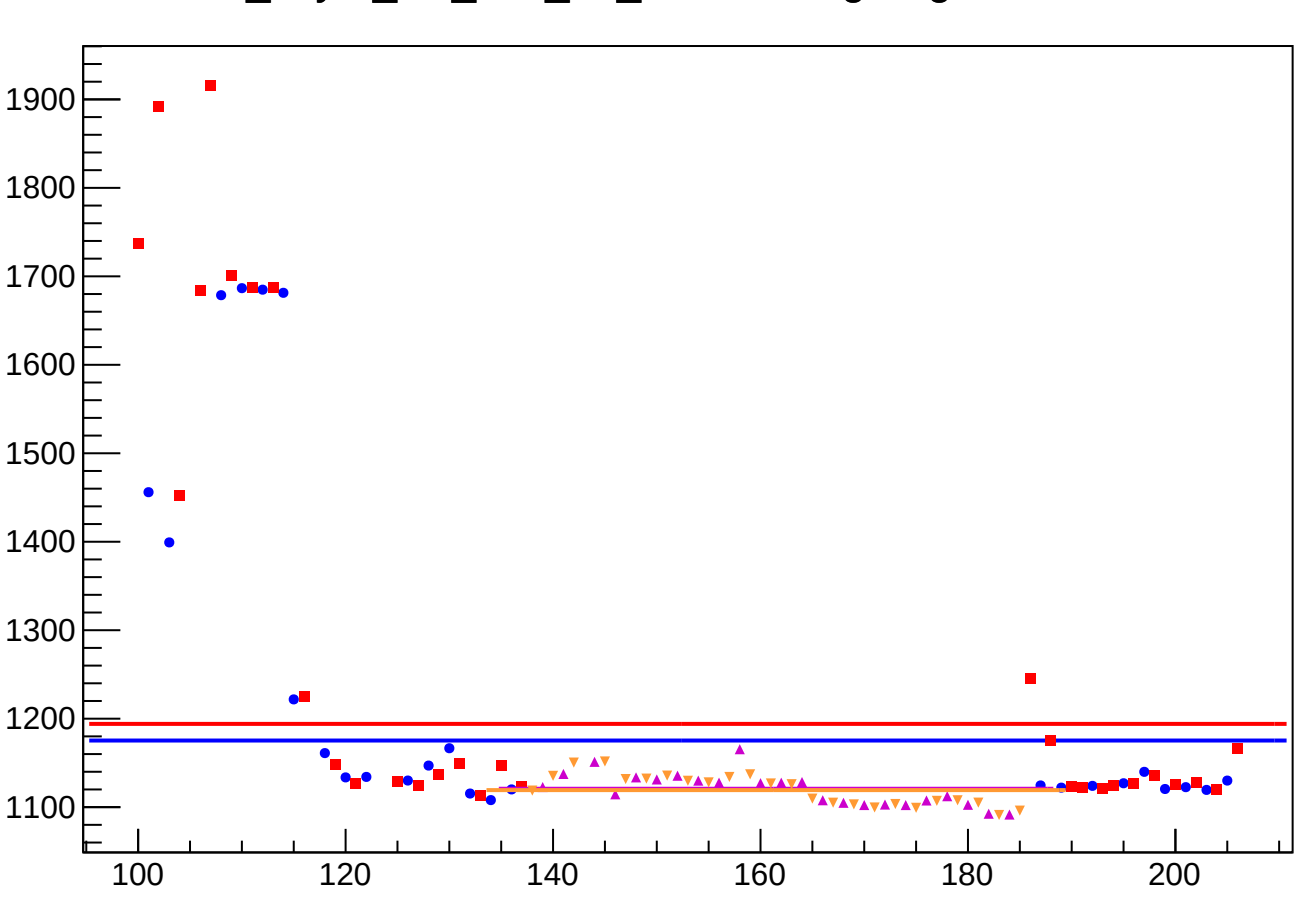
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 270.309+/-216.903 χ^2/NDF: 50.6/54

In: 114.132+/-201.298 χ^2/NDF:35.2/47

Out: 291.359+/-196.159 χ^2/NDF:58.0/53

All: 205.036+/-140.487 χ^2/NDF: 93.7/101



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.5/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662381.1/29

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

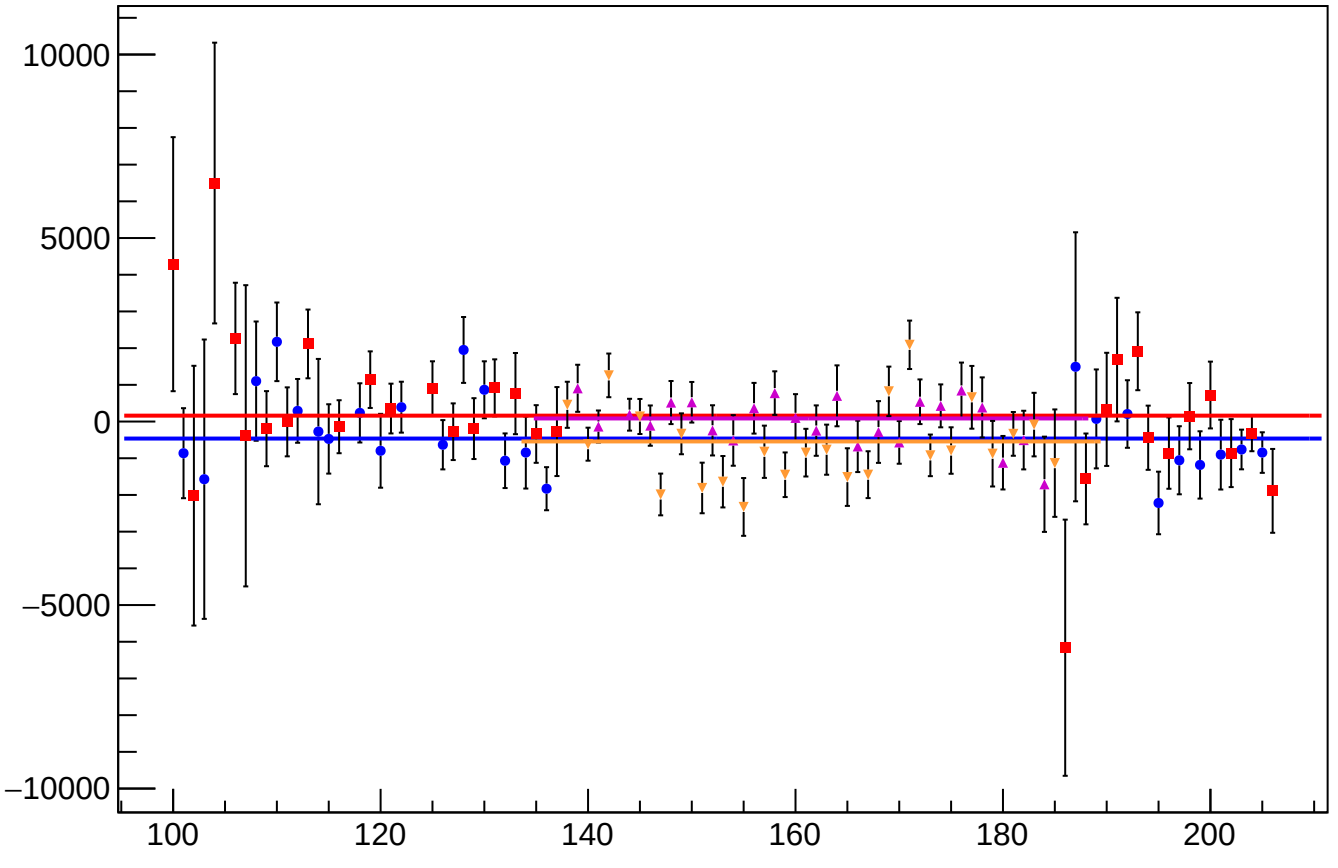
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1185.195+/-0.153 χ^2/NDF: 1039646.2/54

In: 1143.062+/-0.142 χ^2/NDF:418375.6/47

Out: 1151.448+/-0.139 χ^2/NDF:741906.5/53

All: 1147.364+/-0.099 χ^2/NDF: 1162062.5/10



Right In: -463.512+/-172.814 χ^2/NDF: 34.0/24

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 160.571+/-174.698 χ^2/NDF: 32.3/29

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

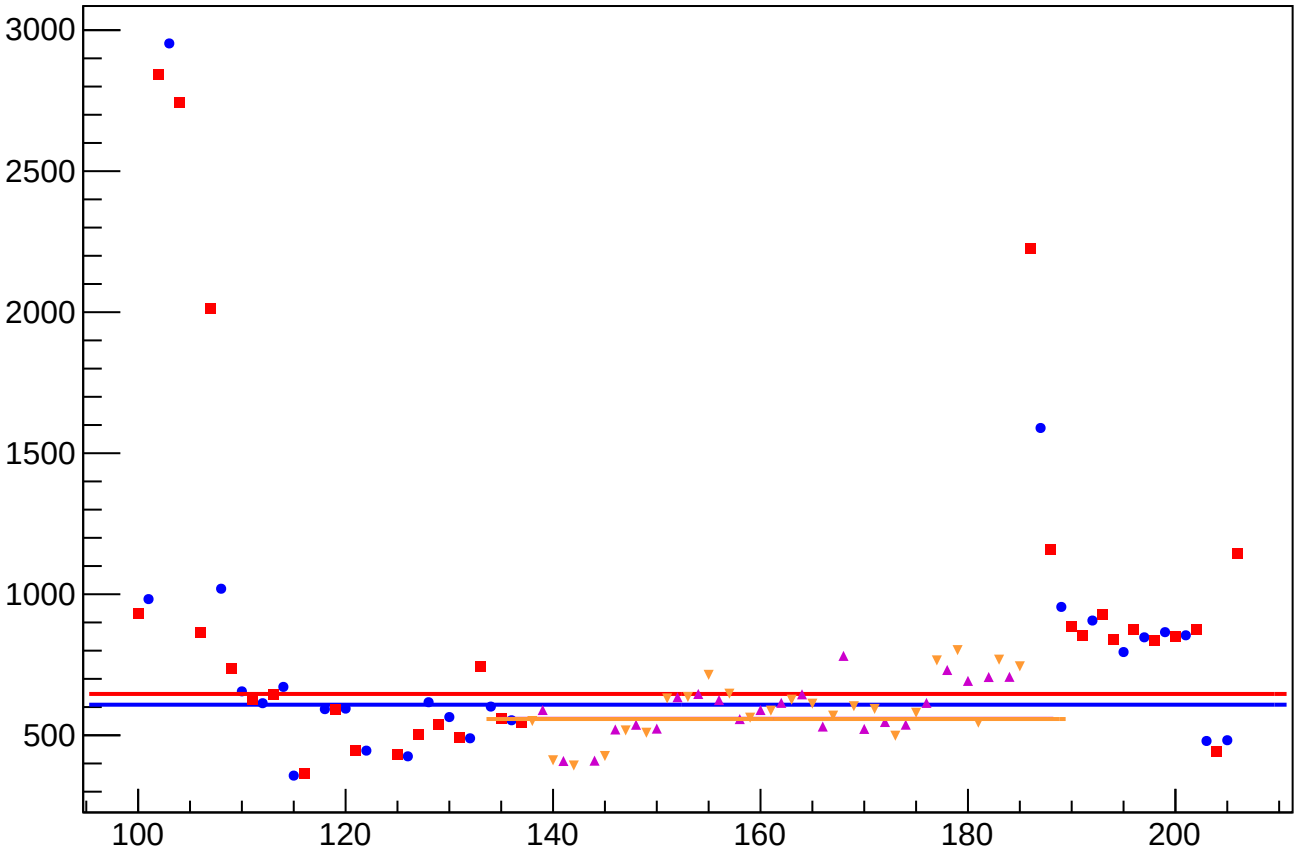
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -154.855+/-122.859 χ^2/NDF: 72.7/54

In: -118.718+/-105.174 χ^2/NDF:56.7/47

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -202.429+/-74.422 χ^2/NDF: 161.4/101



Right In: 608.368+/-0.122 χ^2/NDF: 2779250.1/24

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 646.518+/-0.124 χ^2/NDF: 4772338.5/29

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

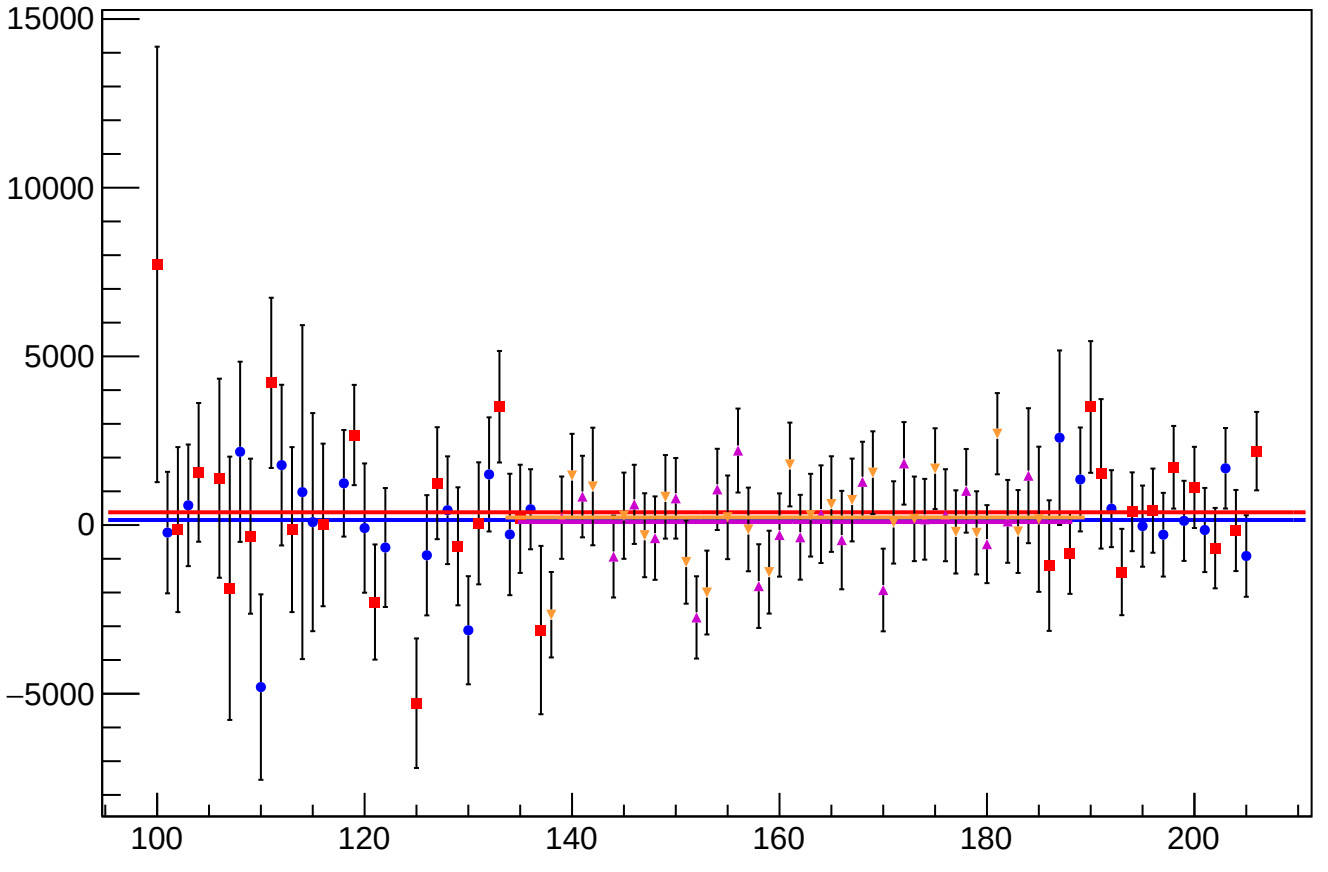
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 627.236+/-0.087 χ^2/NDF: 7599794.0/54

In: 576.903+/-0.074 χ^2/NDF:3912368.2/47

Out: 589.913+/-0.074 χ^2/NDF:6295467.2/53

All: 583.399+/-0.053 χ^2/NDF: 10223115.9/10



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 378.428+/-299.124 χ^2/NDF: 35.7/29

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

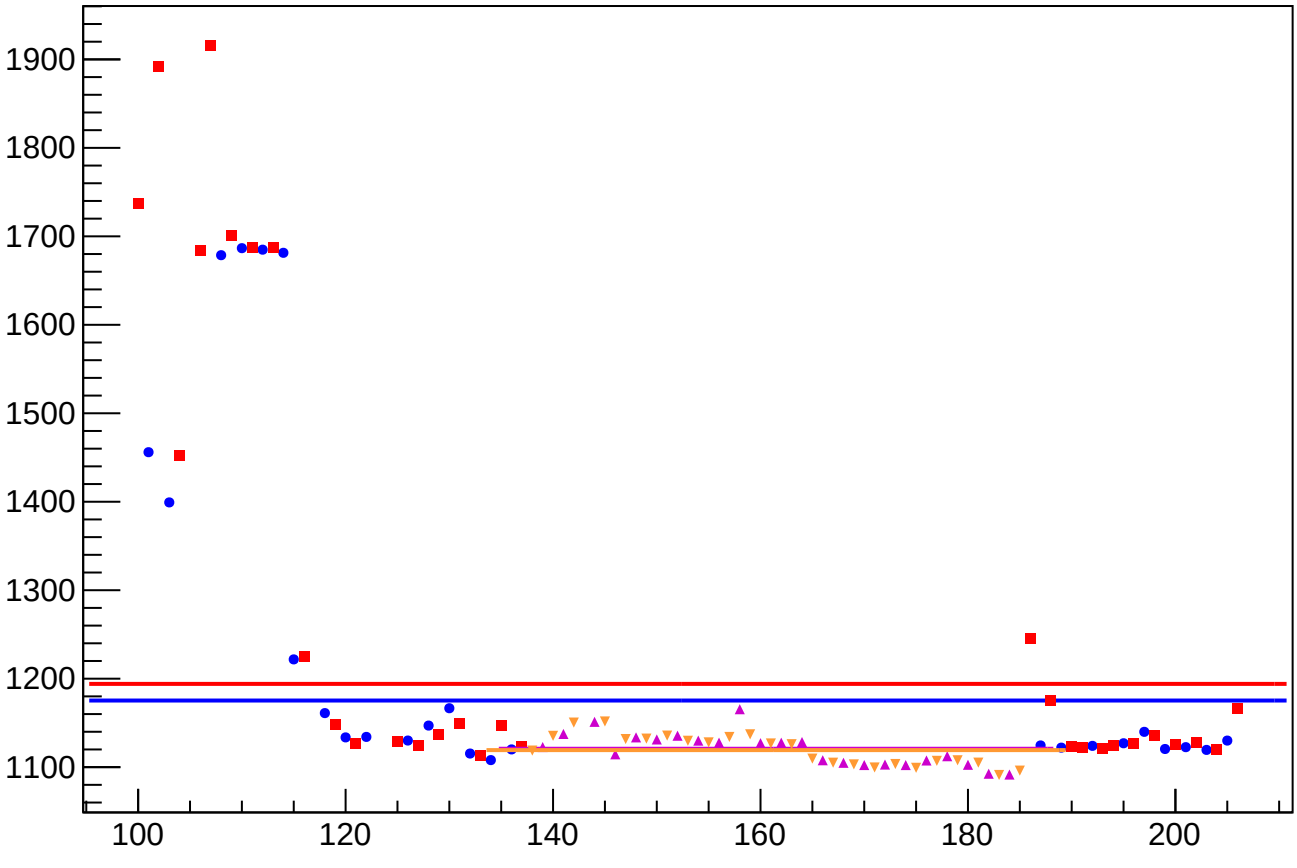
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 270.309+/-216.903 χ^2/NDF: 50.6/54

In: 114.132+/-201.298 χ^2/NDF:35.2/47

Out: 291.358+/-196.159 χ^2/NDF:58.0/53

All: 205.036+/-140.487 χ^2/NDF: 93.7/101



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.1/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662380.4/29

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

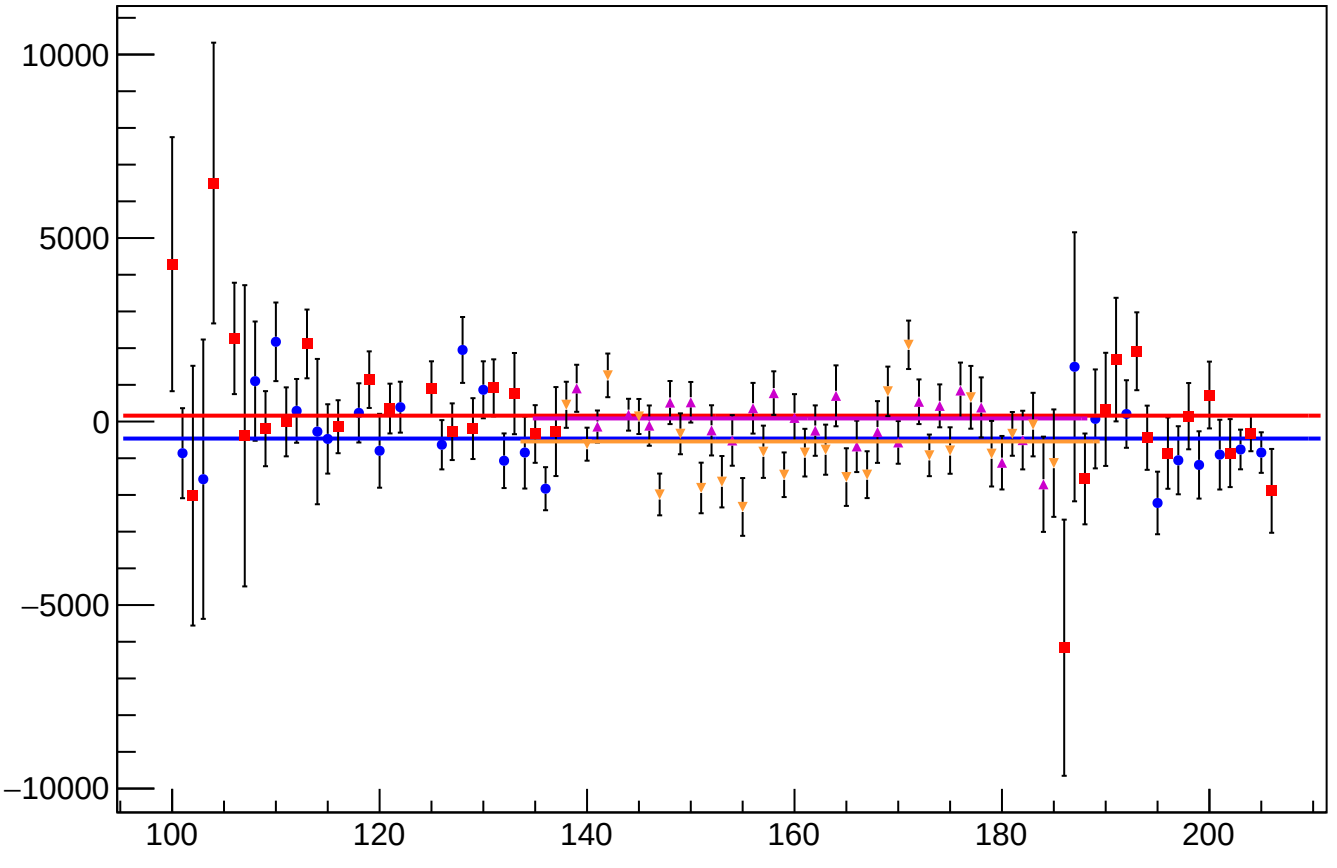
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1185.195+/-0.153 χ^2/NDF: 1039645.0/54

In: 1143.062+/-0.142 χ^2/NDF:418375.1/47

Out: 1151.448+/-0.139 χ^2/NDF:741905.8/53

All: 1147.364+/-0.099 χ^2/NDF: 1162061.2/10



Right In: -463.512+/-172.813 χ^2/NDF: 34.0/24

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 160.571+/-174.698 χ^2/NDF: 32.3/29

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

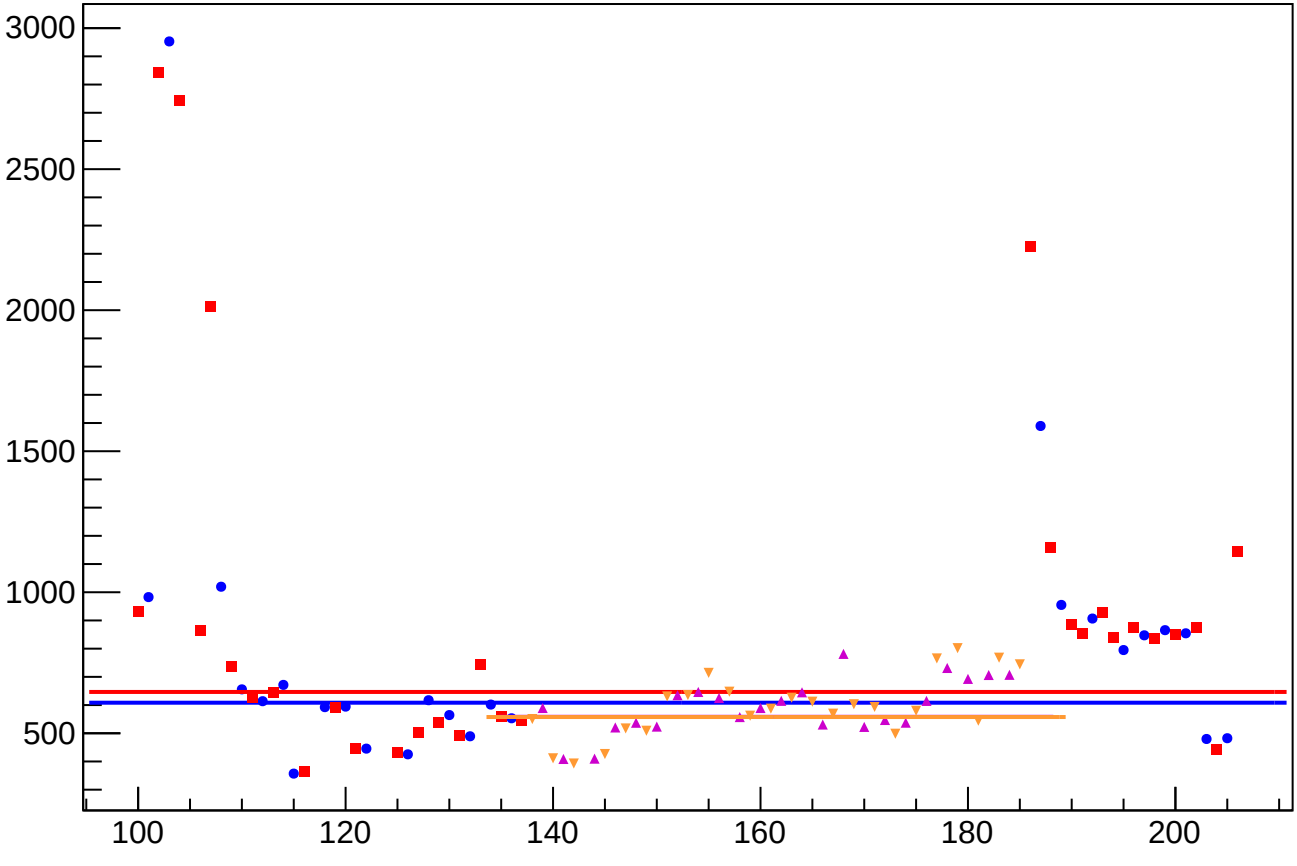
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -154.855+/-122.859 χ^2/NDF: 72.7/54

In: -118.717+/-105.174 χ^2/NDF:56.7/47

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -202.429+/-74.422 χ^2/NDF: 161.4/101



Right In: 608.367+/-0.122 χ^2/NDF: 2779248.0/24

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 646.517+/-0.124 χ^2/NDF: 4772344.5/29

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

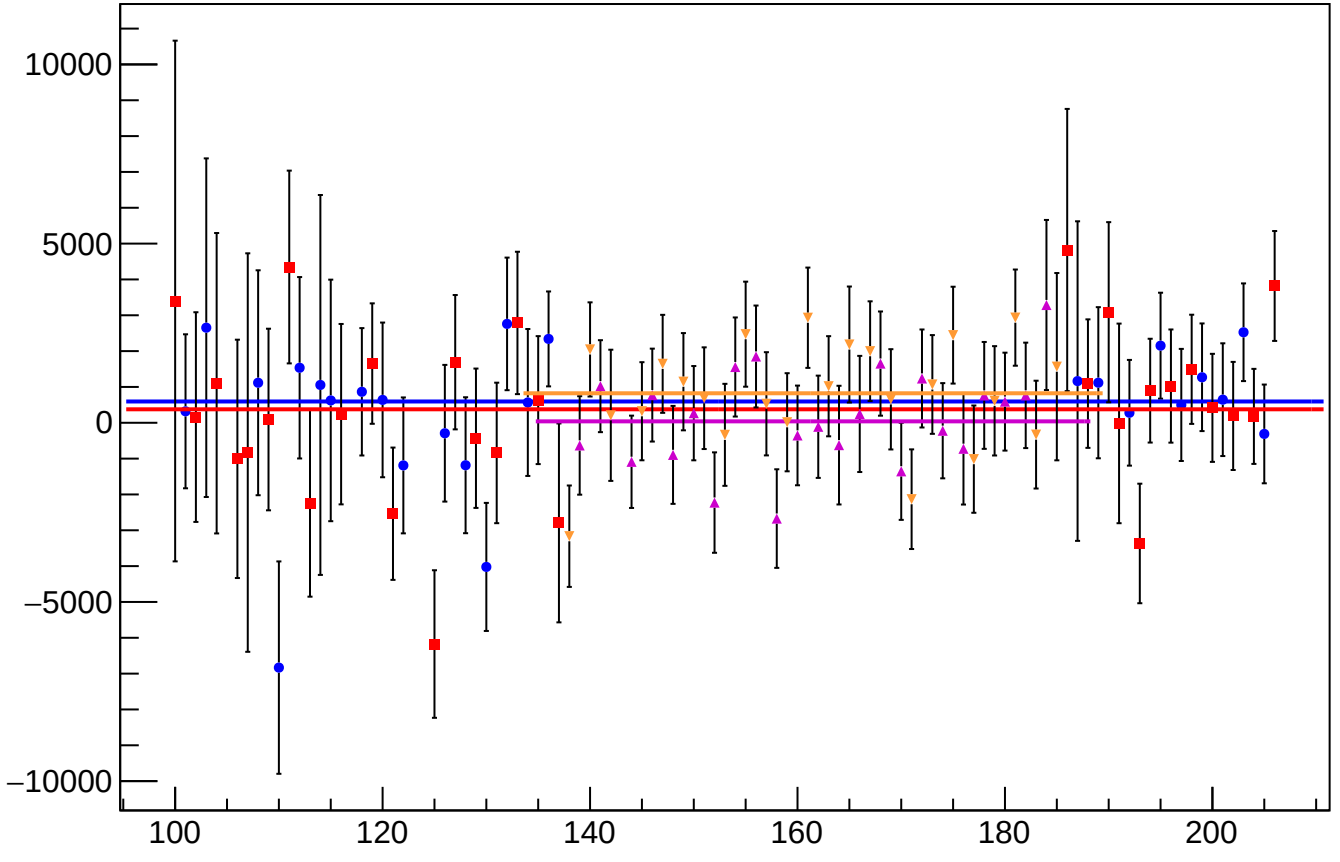
Right: 627.235+/-0.087 χ^2/NDF: 7599798.0/54

In: 576.903+/-0.074 χ^2/NDF:3912381.8/47

Out: 589.913+/-0.074 χ^2/NDF:6295497.9/53

All: 583.399+/-0.053 χ^2/NDF: 10223160.1/10

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 594.291+/-376.742 χ^2/NDF: 22.3/24

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 376.144+/-364.941 χ^2/NDF: 34.2/29

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

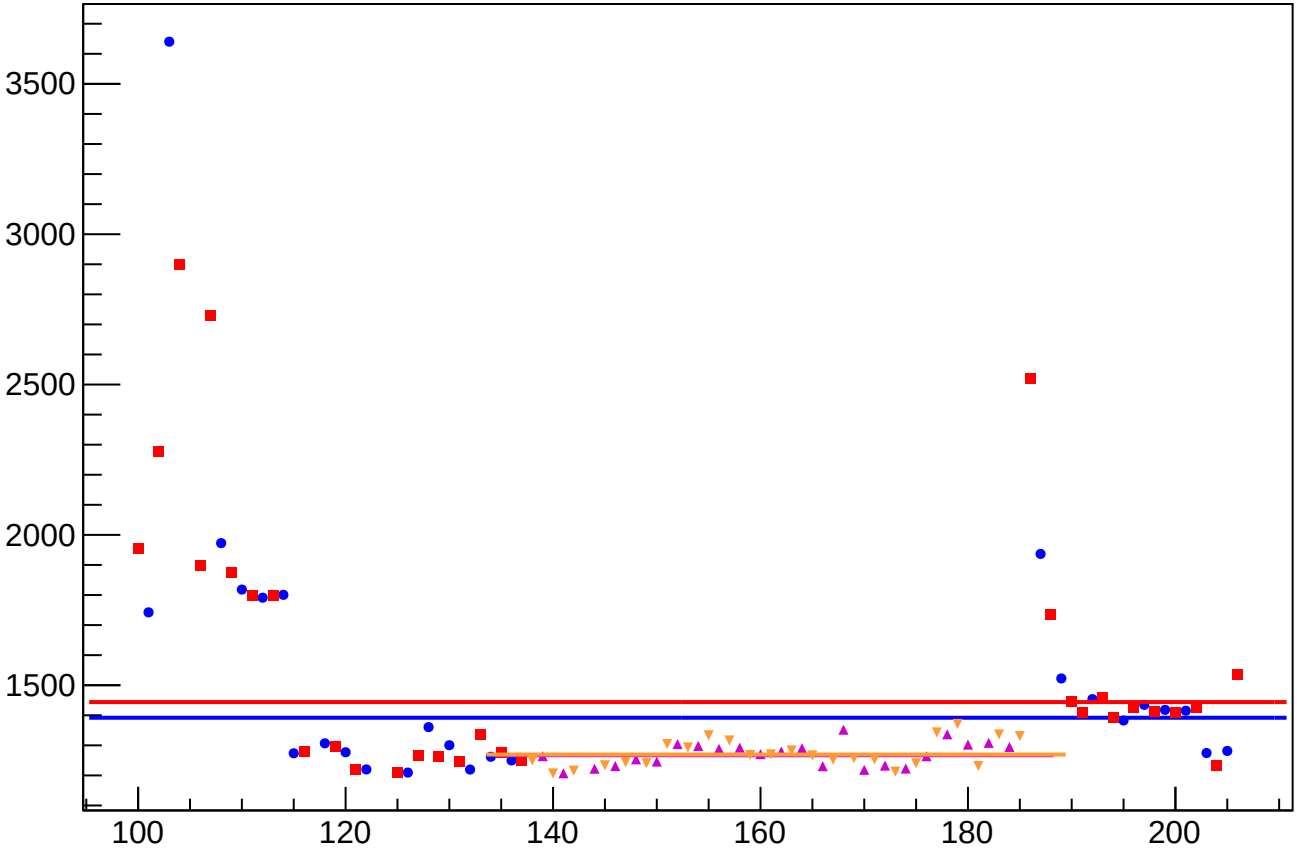
Right: 481.748+/-262.125 χ^2/NDF: 56.7/54

In: 251.382+/-232.757 χ^2/NDF:41.5/47

Out: 646.717+/-229.341 χ^2/NDF:61.3/53

All: 451.971+/-163.363 χ^2/NDF: 104.3/101

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1391.822+/-0.266 χ^2/NDF: 850581.1/24

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1443.945+/-0.258 χ^2/NDF: 1121538.1/29

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

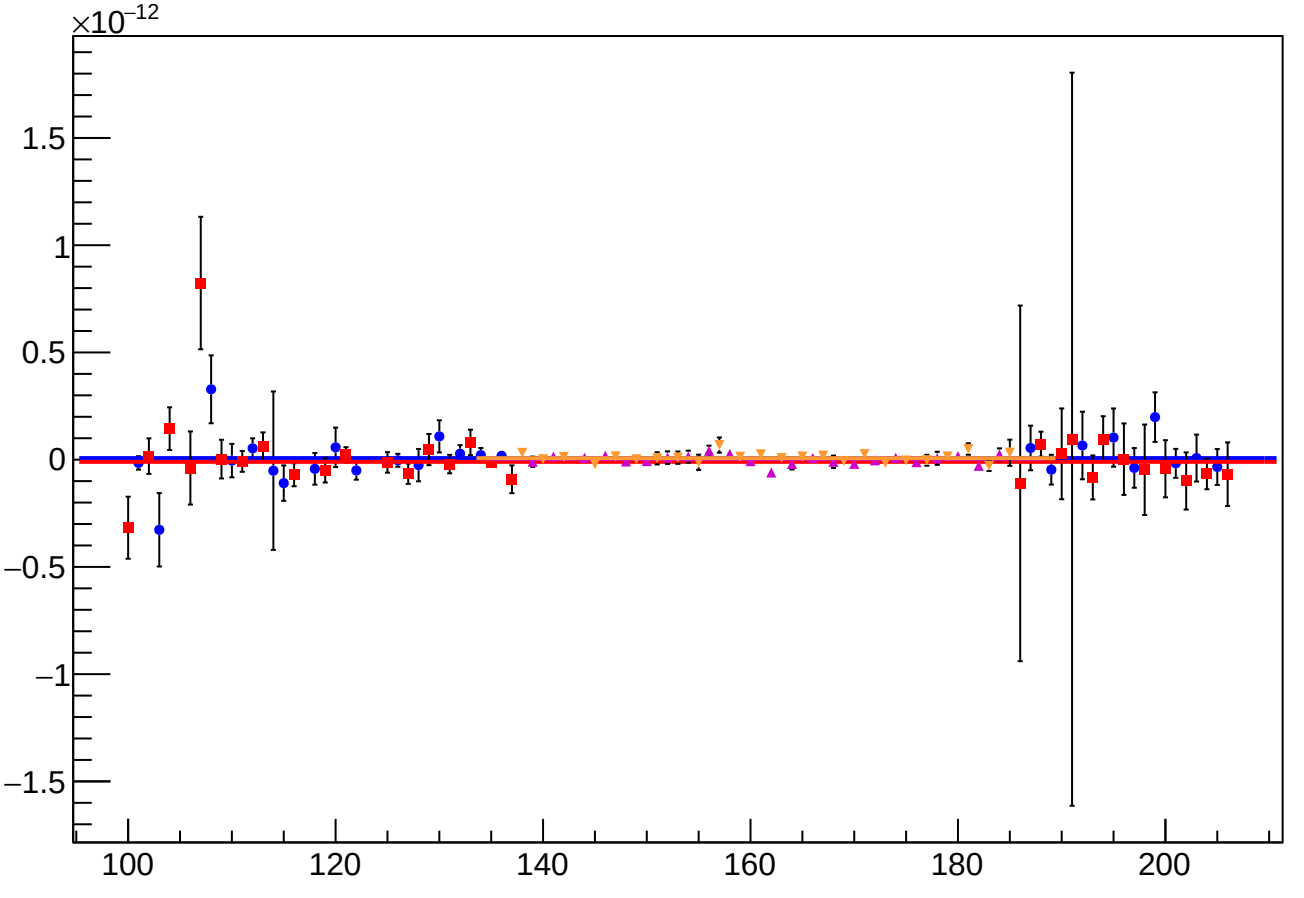
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1418.712+/-0.185 χ^2/NDF: 1991869.5/54

In: 1314.684+/-0.165 χ^2/NDF:1020730.3/47

Out: 1338.357+/-0.162 χ^2/NDF:1441274.0/53

All: 1326.696+/-0.116 χ^2/NDF: 2472501.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

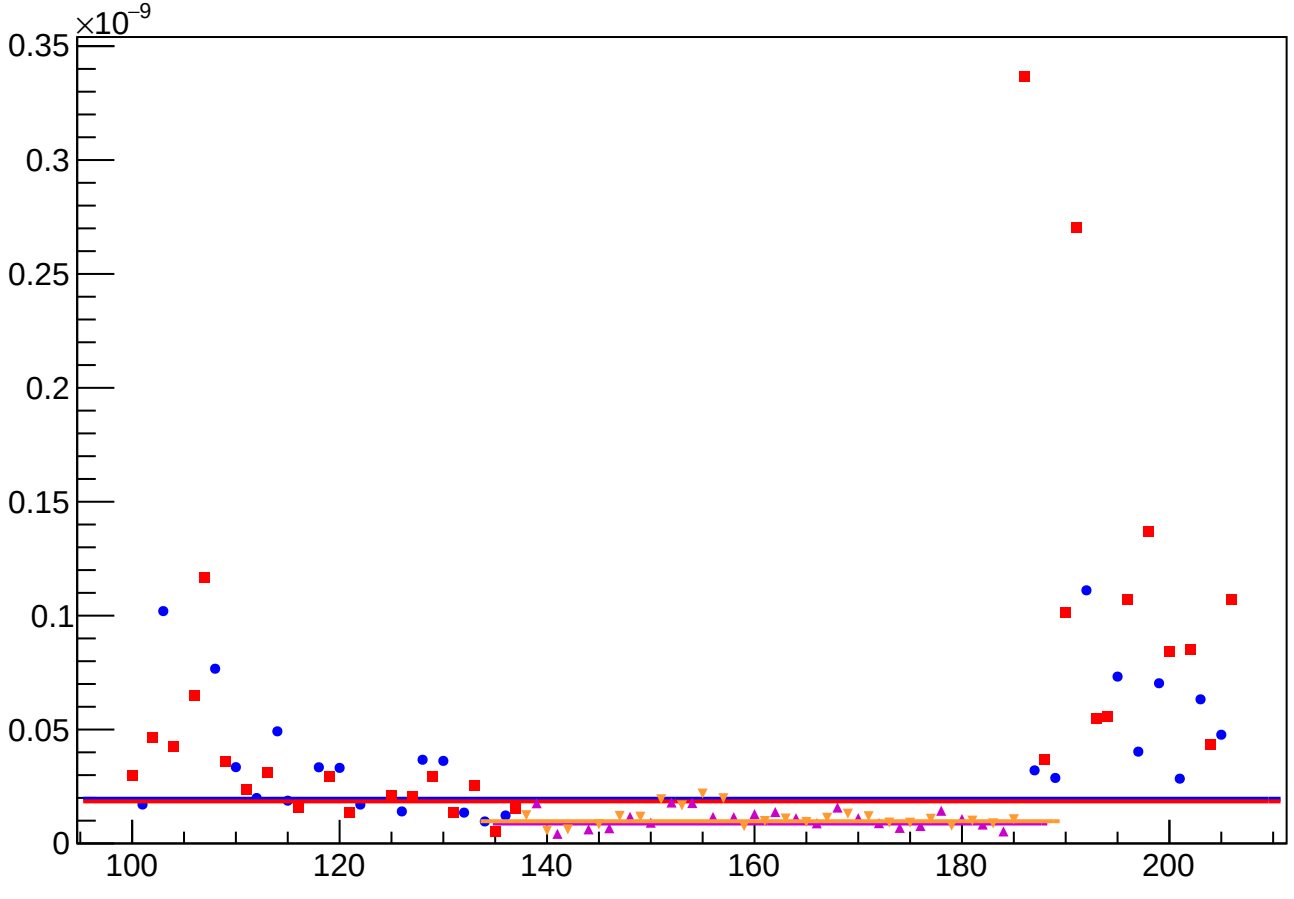
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/54

In: 0.000+/-0.000 χ^2/NDF:44.8/47

Out: 0.000+/-0.000 χ^2/NDF:51.2/53

All: 0.000+/-0.000 χ^2/NDF: 96.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 3837610.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7040184.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

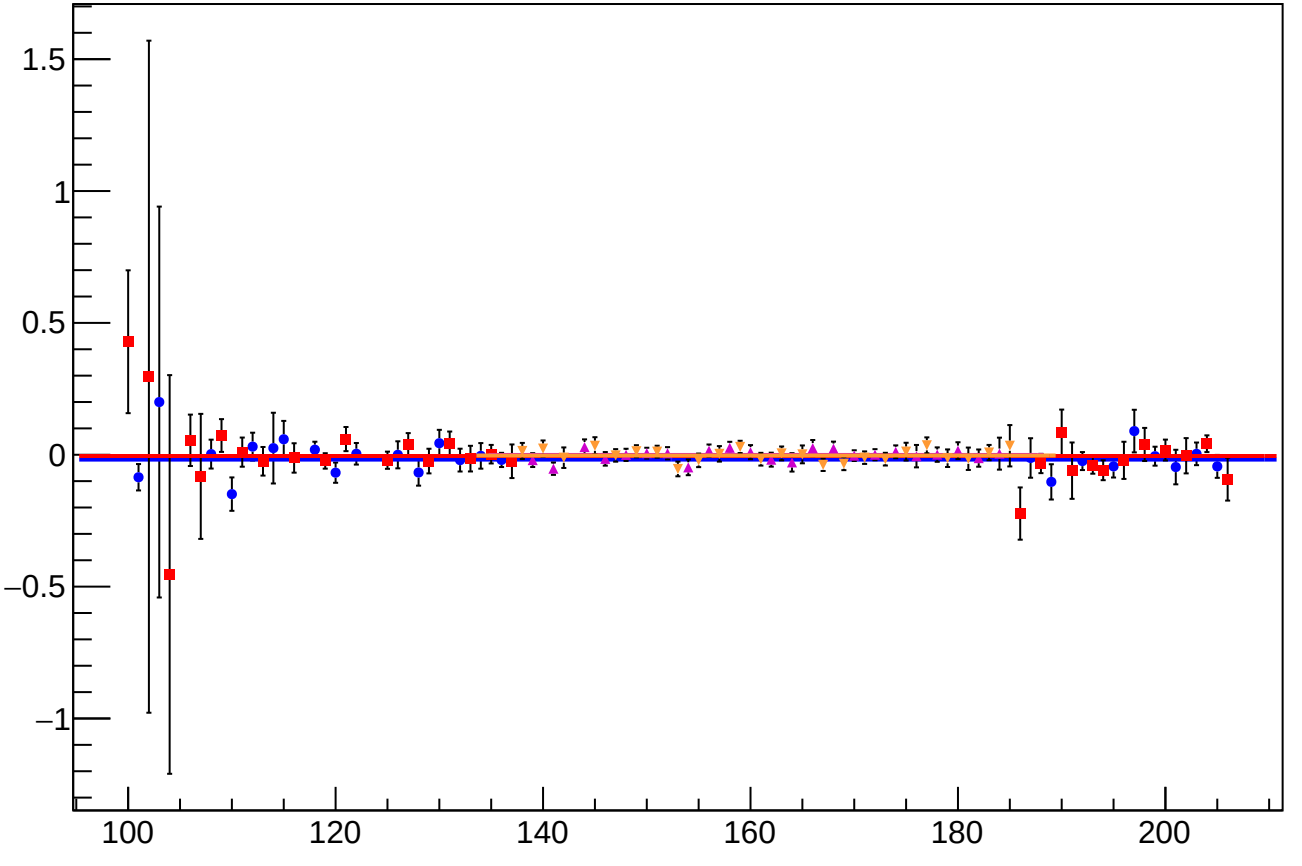
Right: 0.000+/-0.000 χ^2/NDF: 10890486.8/54

In: 0.000+/-0.000 χ^2/NDF:7750670.3/47

Out: 0.000+/-0.000 χ^2/NDF:9705282.7/53

All: 0.000+/-0.000 χ^2/NDF: 17521493.4/101

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

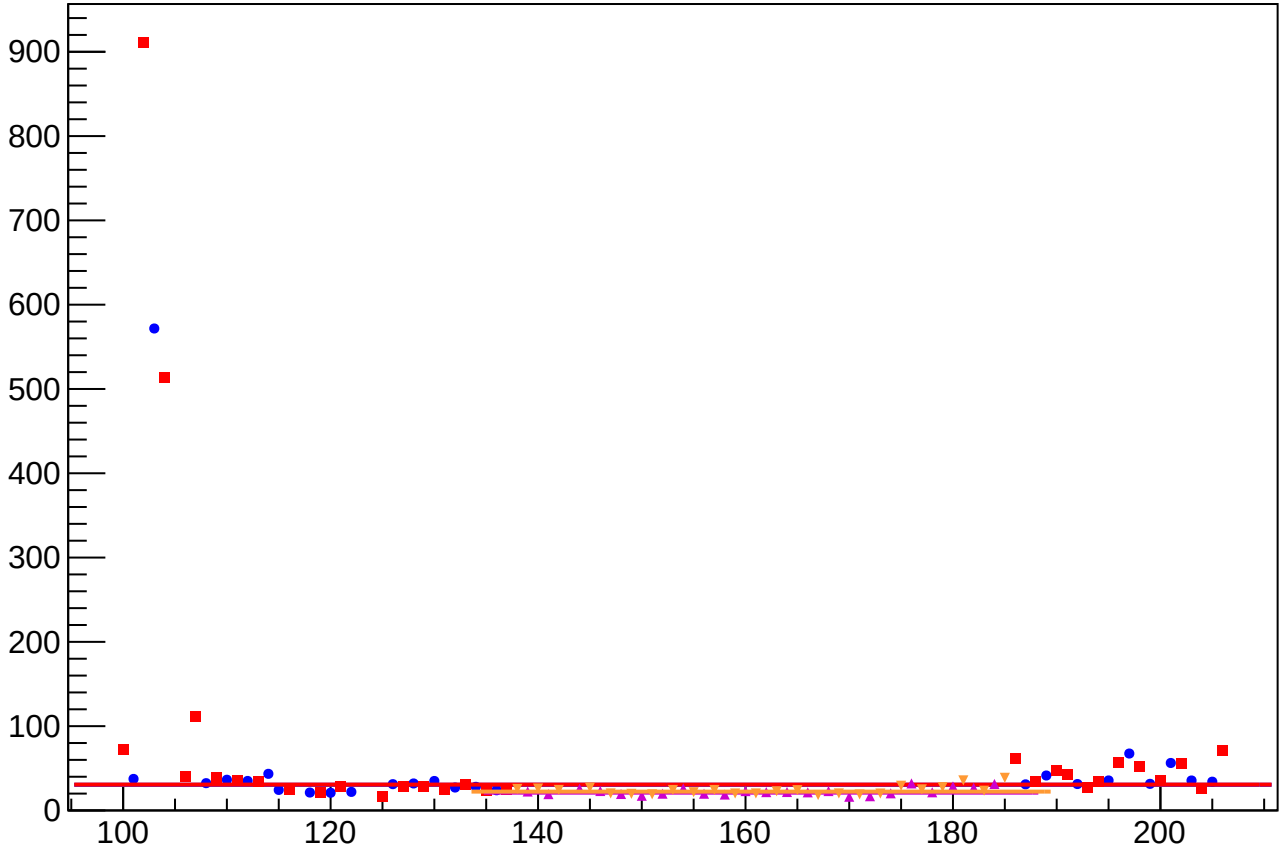
Right: -0.011+/-0.007 χ^2/NDF: 44.9/54

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 77.8/101

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

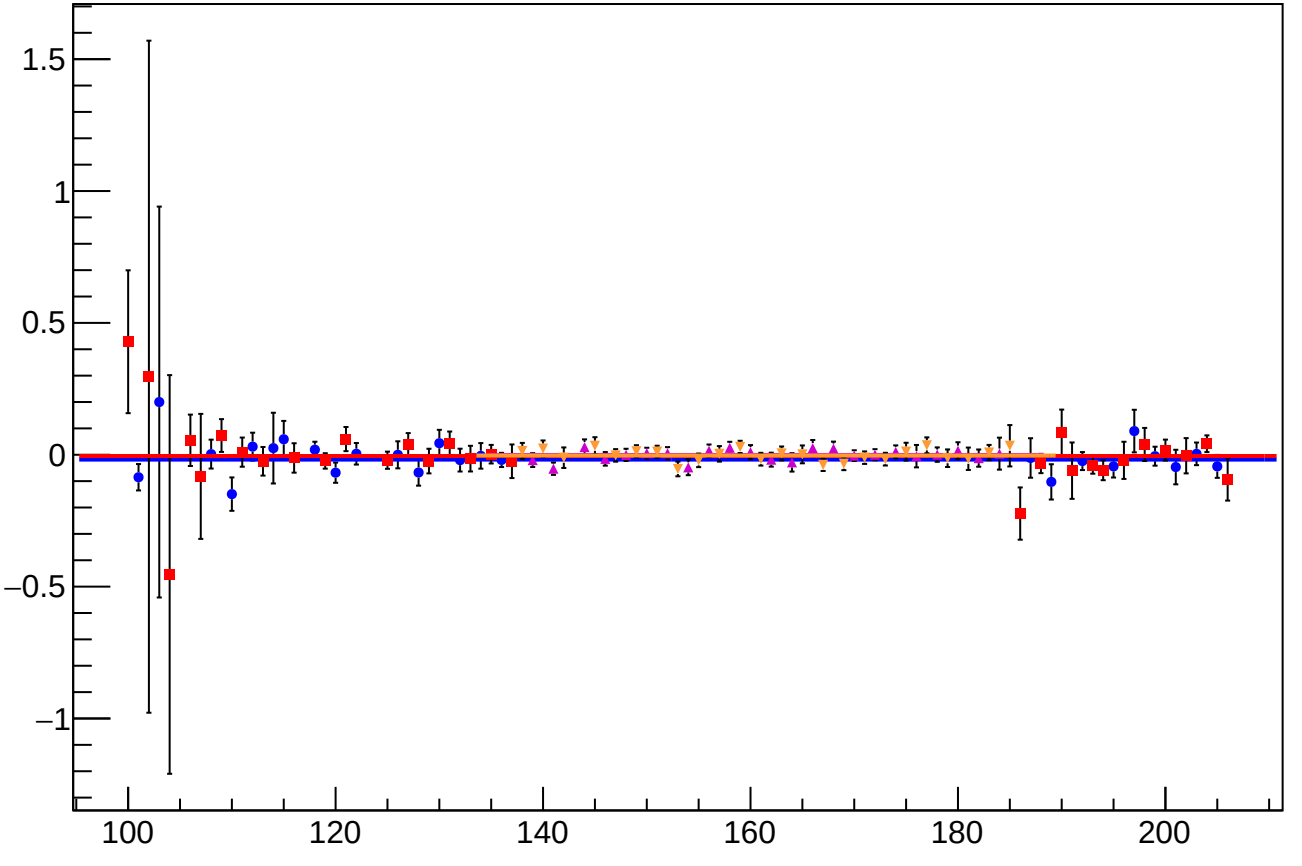
Right: 30.566+/-0.005 χ^2/NDF: 7172757.7/54

In: 23.495+/-0.003 χ^2/NDF:4898101.8/47

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.082+/-0.002 χ^2/NDF: 11576767.3/101

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

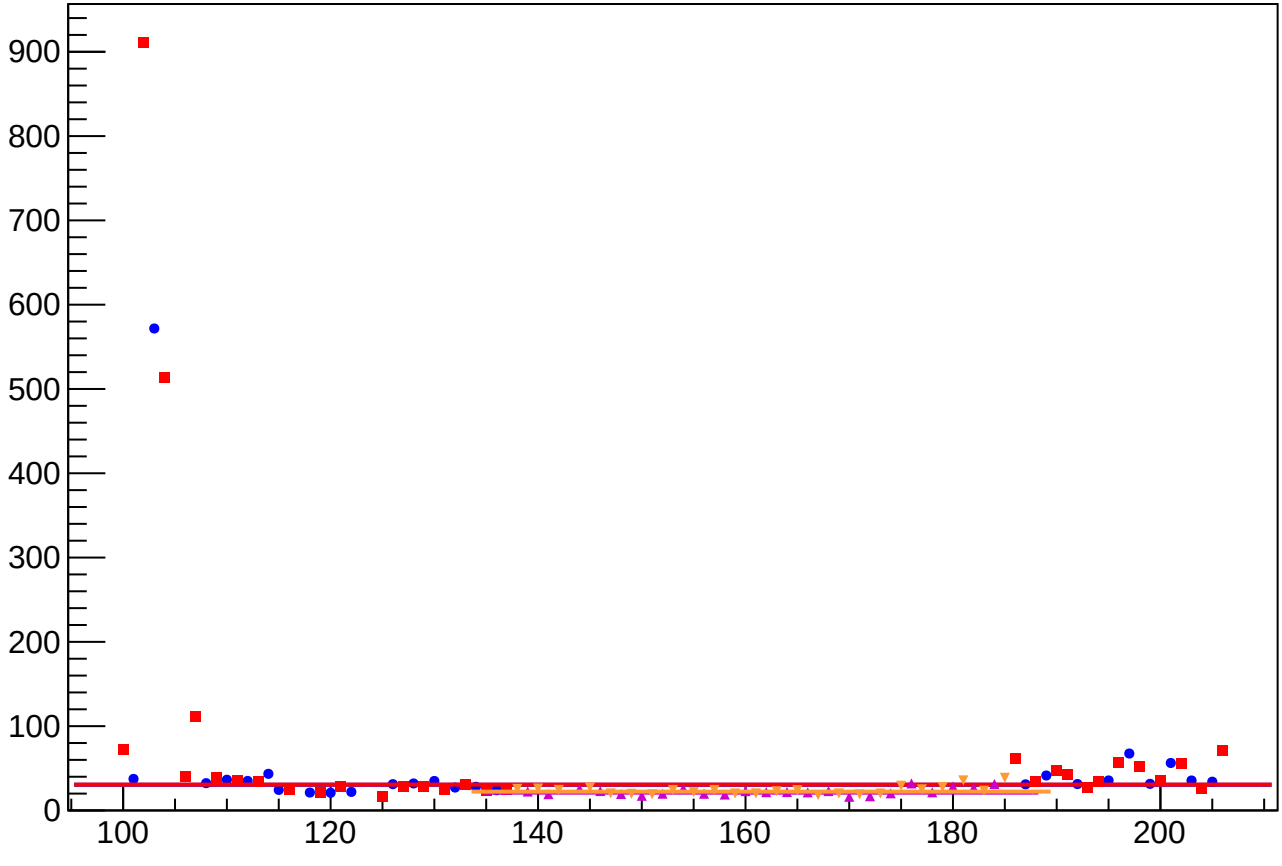
Right: -0.011+/-0.007 χ^2/NDF: 44.9/54

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 77.8/101

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

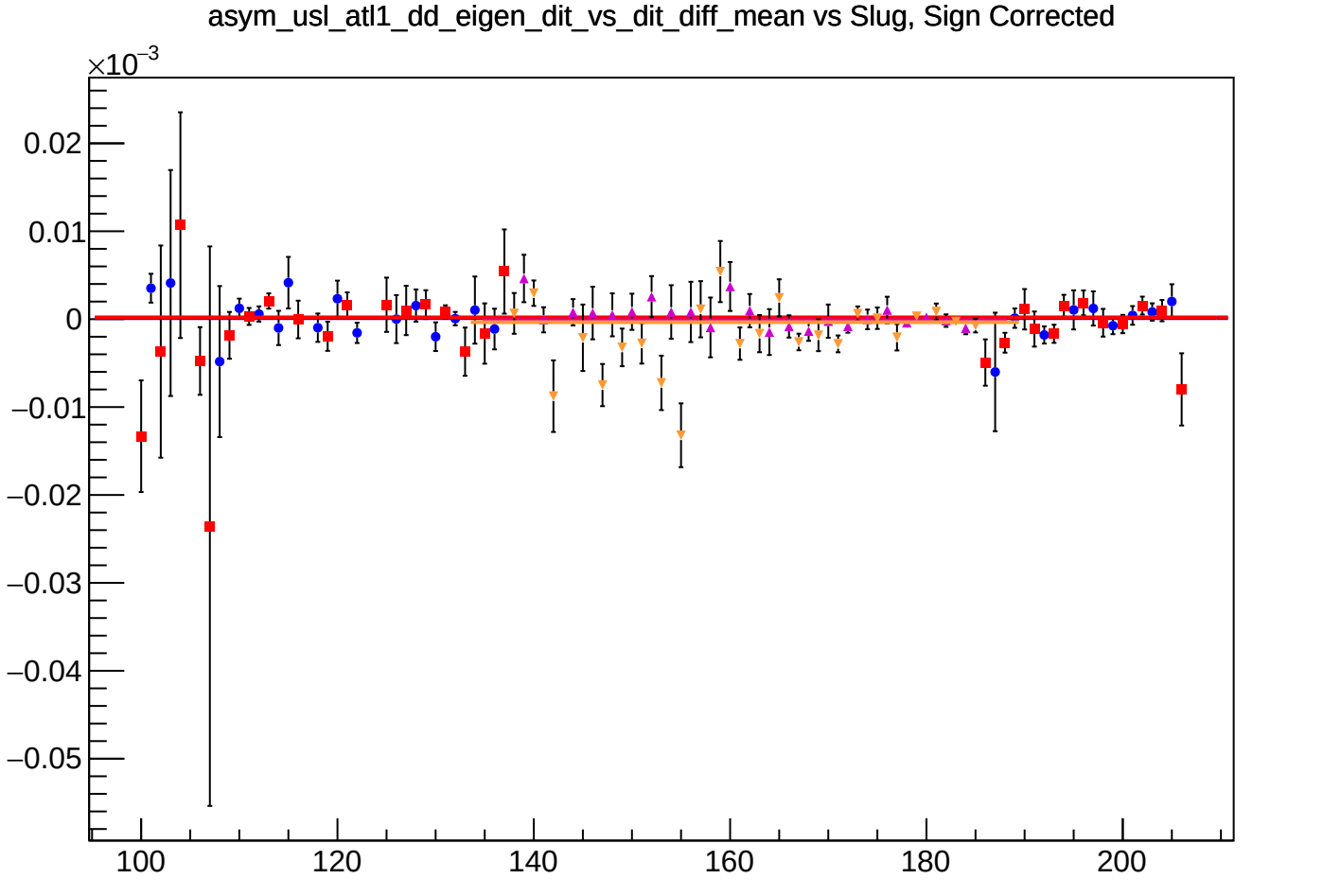
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.566+/-0.005 χ^2/NDF: 7172757.7/54

In: 23.495+/-0.003 χ^2/NDF:4898101.8/47

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.082+/-0.002 χ^2/NDF: 11576767.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/29

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

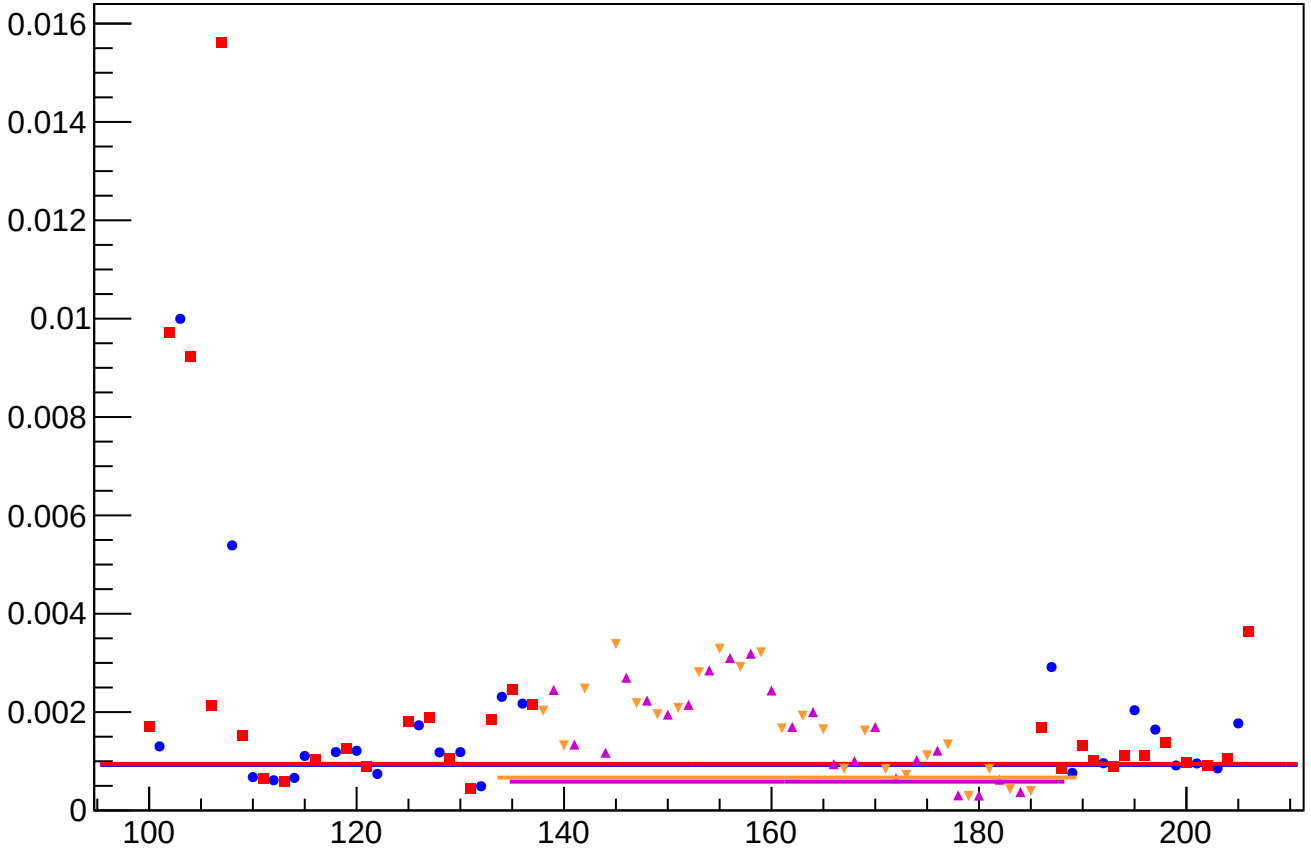
Right: 0.000+/-0.000 χ^2/NDF: 66.2/54

In: -0.000+/-0.000 χ^2/NDF:36.9/47

Out: -0.000+/-0.000 χ^2/NDF:114.6/53

All: -0.000+/-0.000 χ^2/NDF: 151.6/101

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5311394.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6505801.9/29

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

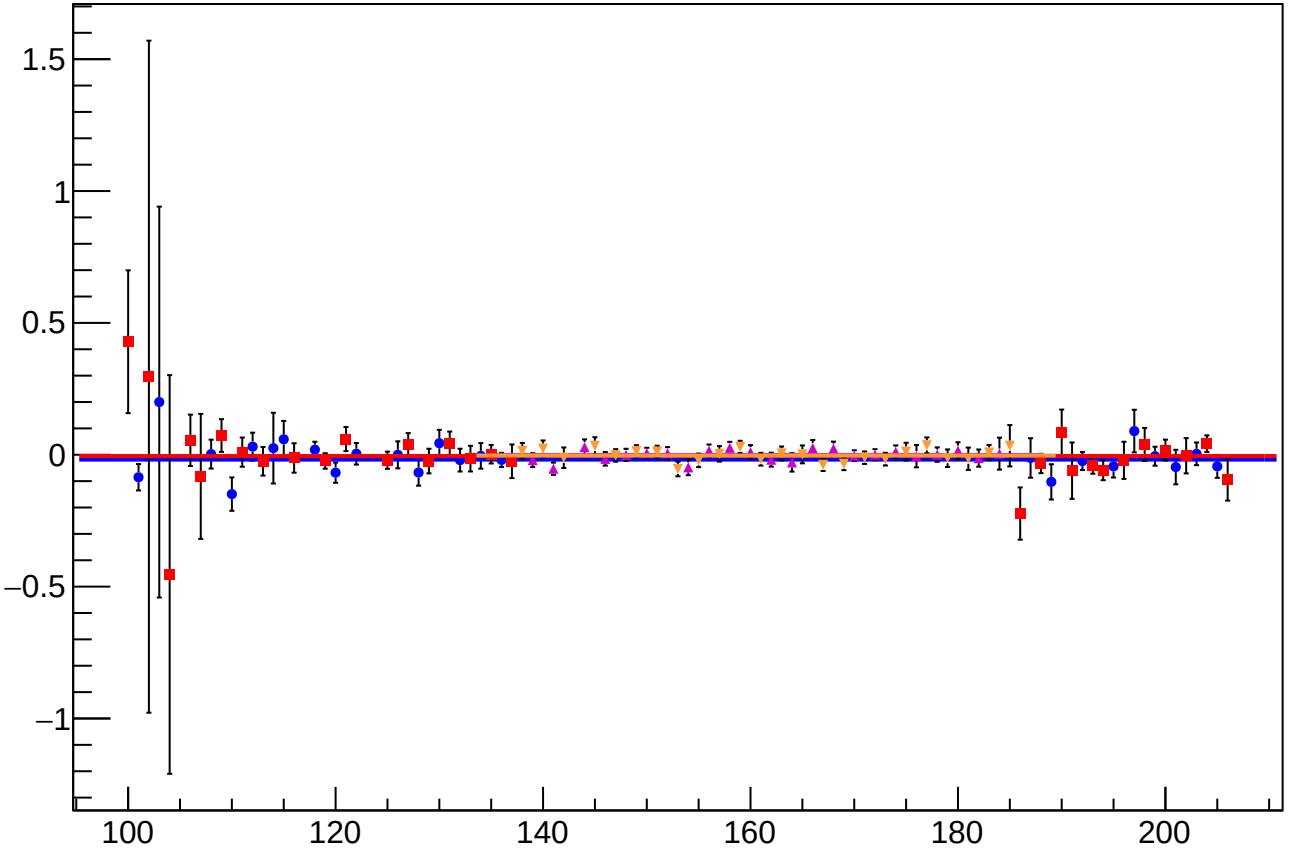
Right: 0.001+/-0.000 χ^2/NDF: 11822441.5/54

In: 0.001+/-0.000 χ^2/NDF:23006552.1/47

Out: 0.001+/-0.000 χ^2/NDF:23169302.2/53

All: 0.001+/-0.000 χ^2/NDF: 46393522.8/101

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

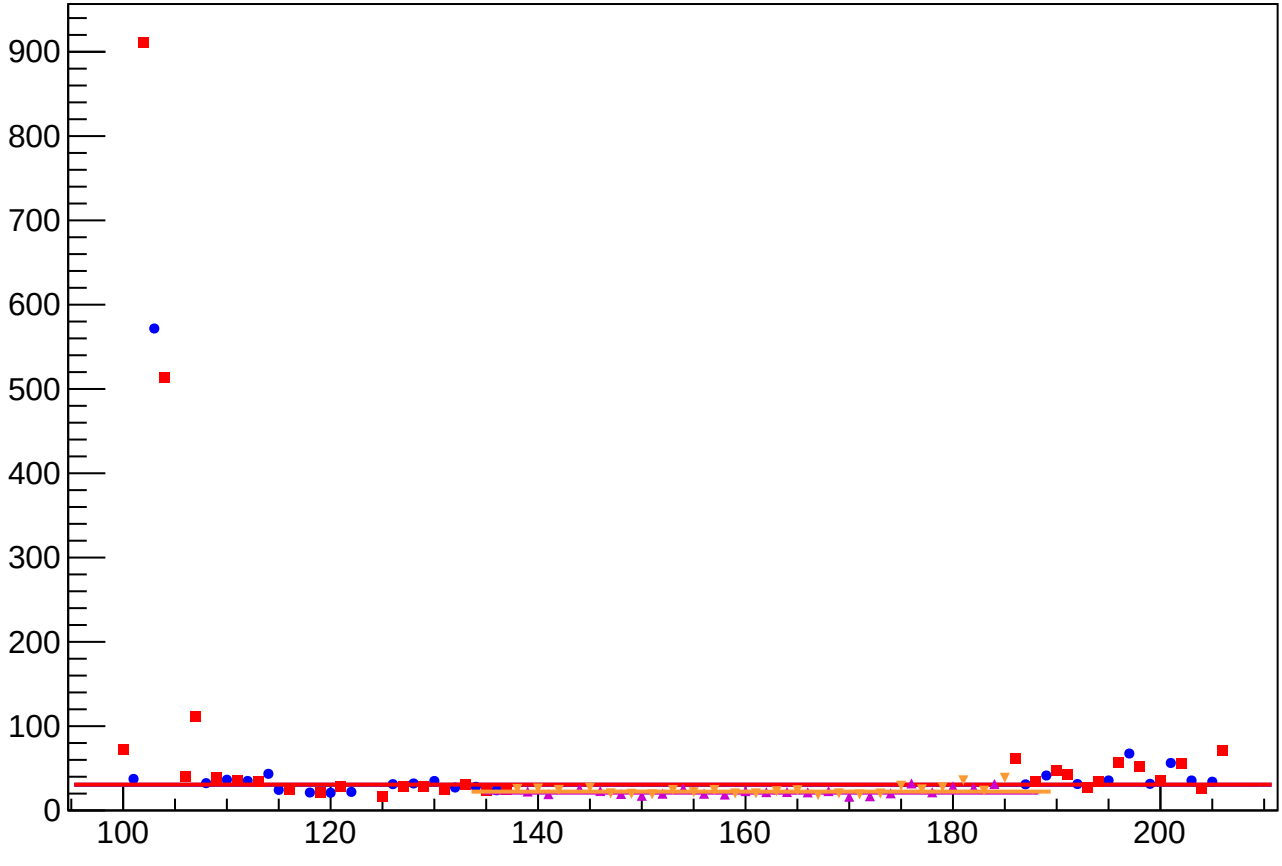
Right: -0.011+/-0.007 χ^2/NDF: 44.9/54

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 77.8/101

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

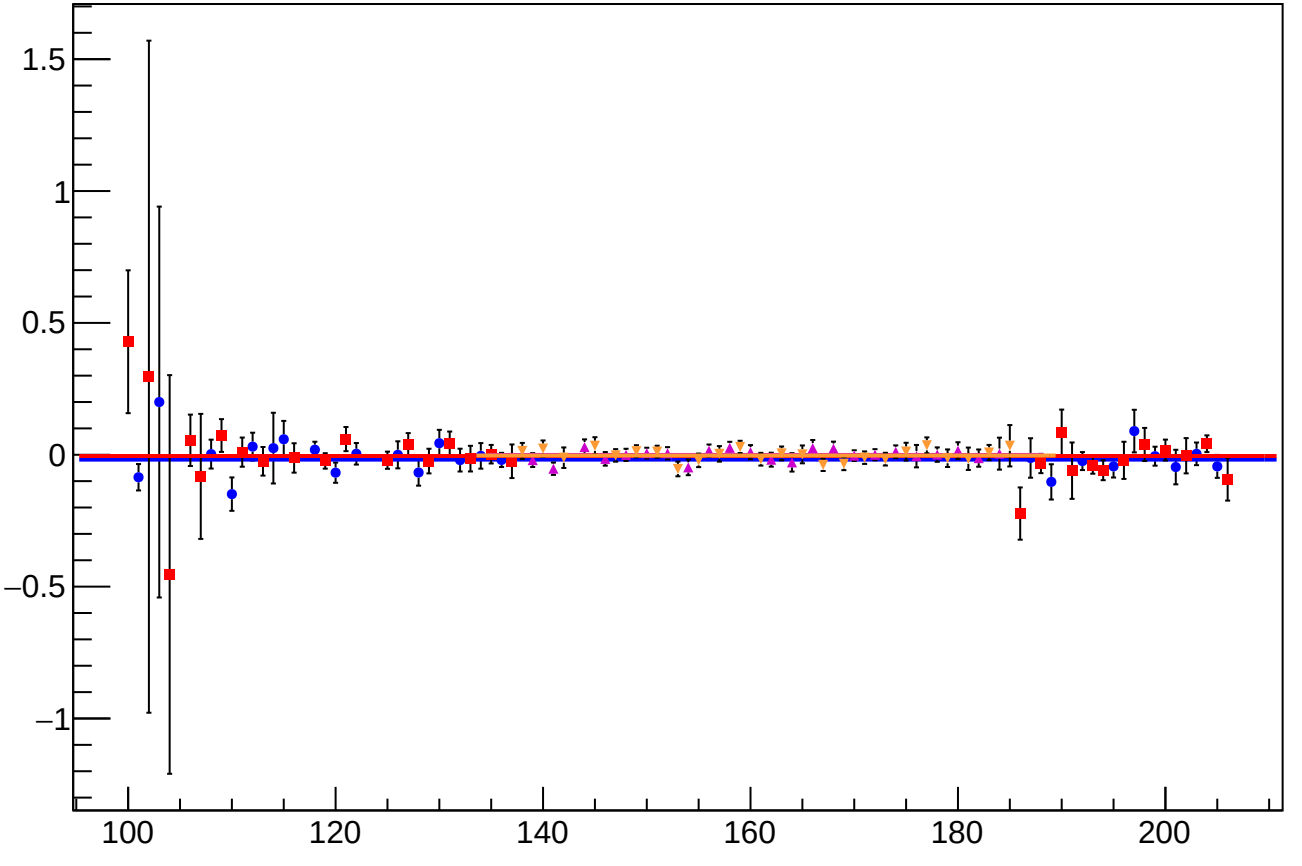
Right: 30.566+/-0.005 χ^2/NDF: 7172840.3/54

In: 23.495+/-0.003 χ^2/NDF:4898146.1/47

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.082+/-0.002 χ^2/NDF: 11576864.7/101

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

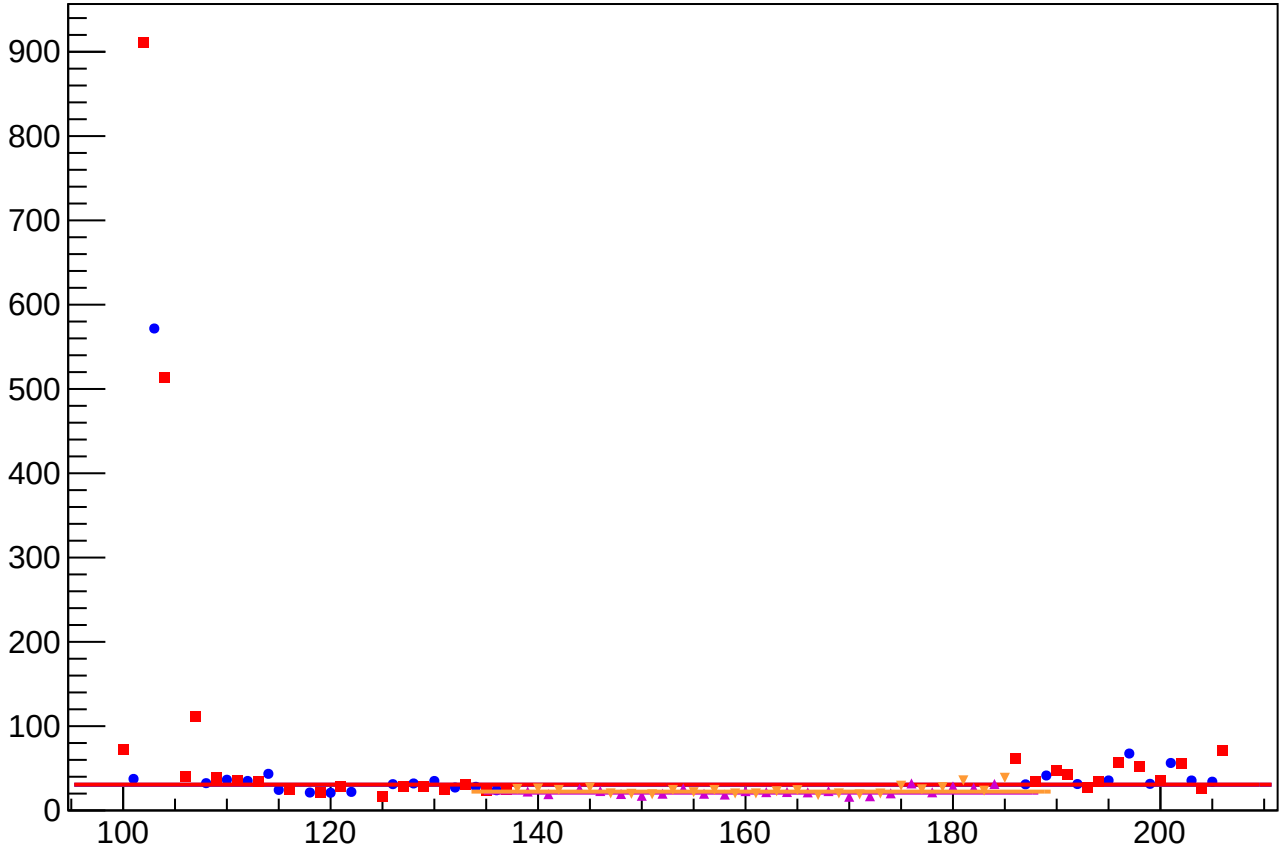
Right: -0.011+/-0.007 χ^2/NDF: 44.9/54

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 77.8/101

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

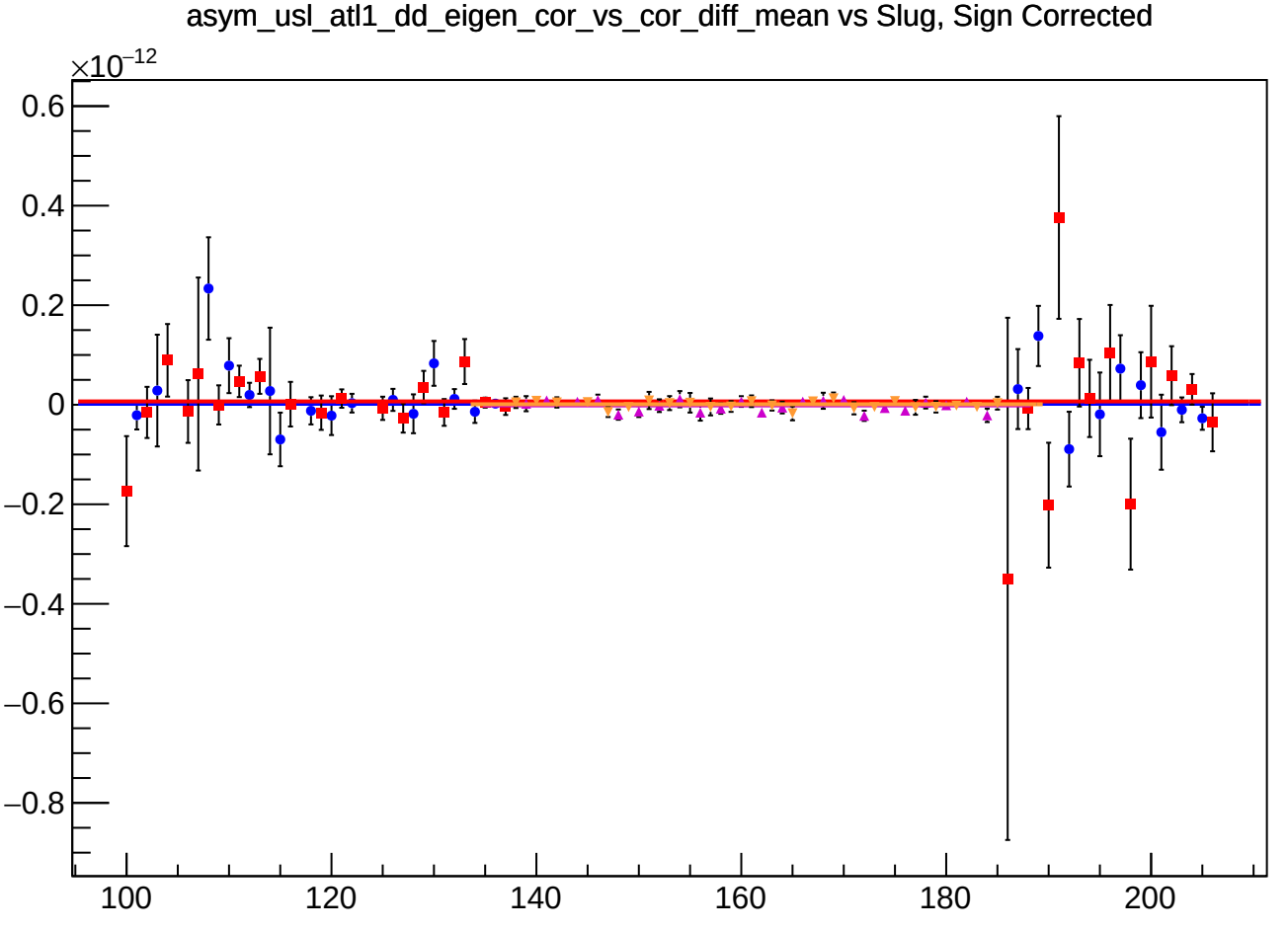
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.566+/-0.005 χ^2/NDF: 7172840.3/54

In: 23.495+/-0.003 χ^2/NDF:4898146.1/47

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.082+/-0.002 χ^2/NDF: 11576864.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/29

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

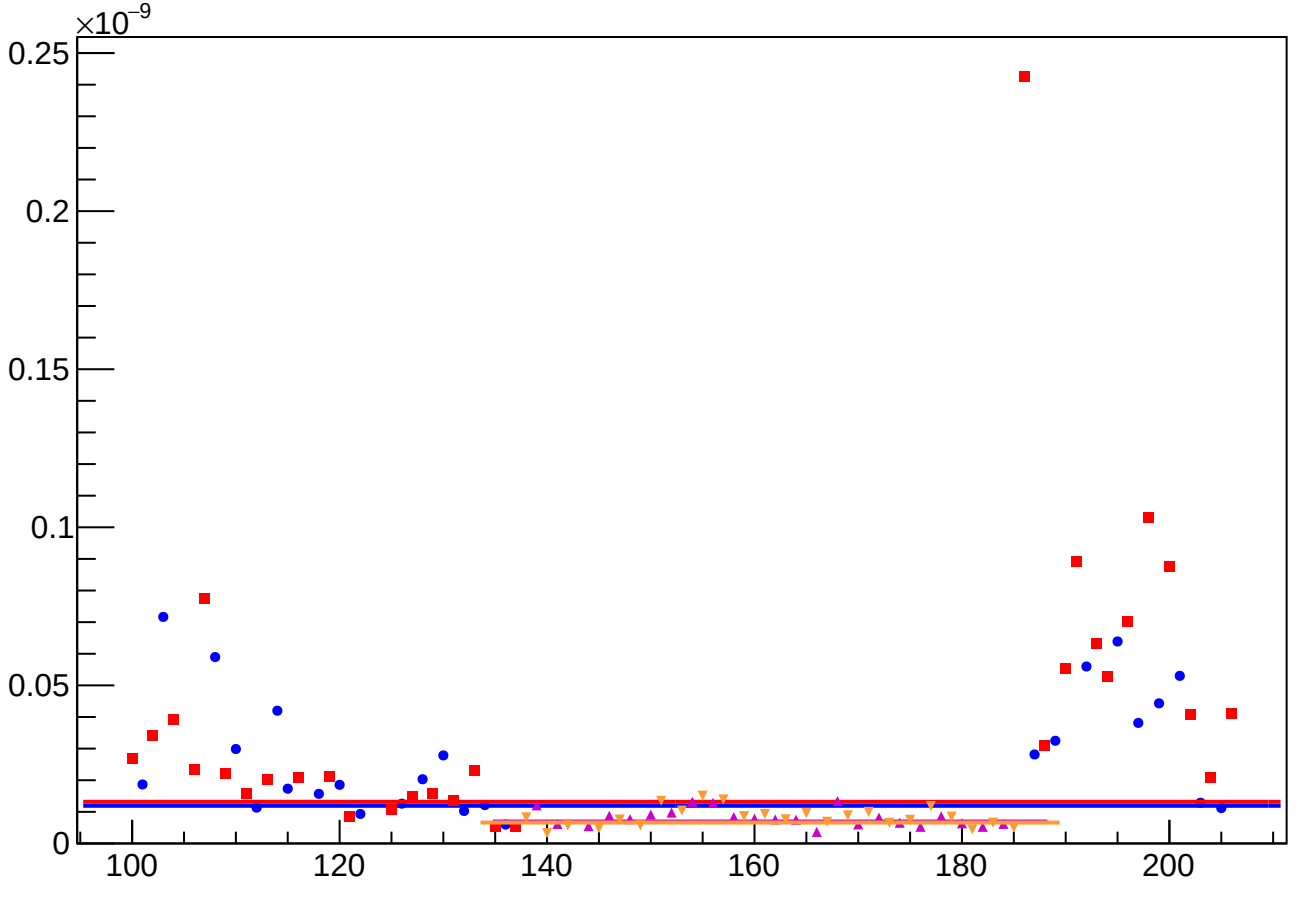
Right: 0.000+/-0.000 χ^2/NDF: 54.7/54

In: -0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:41.1/53

All: 0.000+/-0.000 χ^2/NDF: 93.7/101

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6071475.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9101616.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

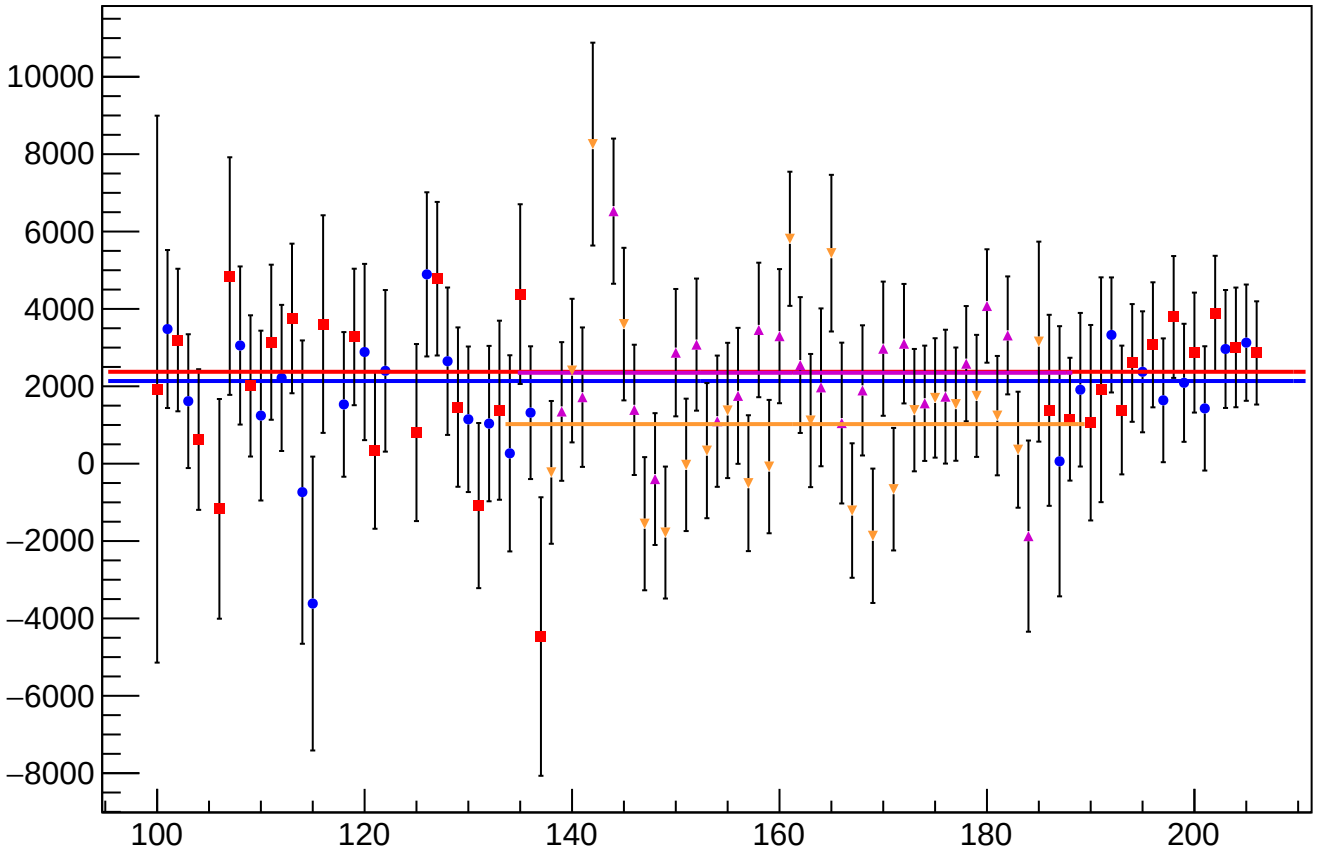
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15224714.6/54

In: 0.000+/-0.000 χ^2/NDF:9907128.3/47

Out: 0.000+/-0.000 χ^2/NDF:14862820.2/53

All: 0.000+/-0.000 χ^2/NDF: 24790545.4/101



Right In: 2136.220+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.005+/-354.462 χ^2/NDF: 18.6/29

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

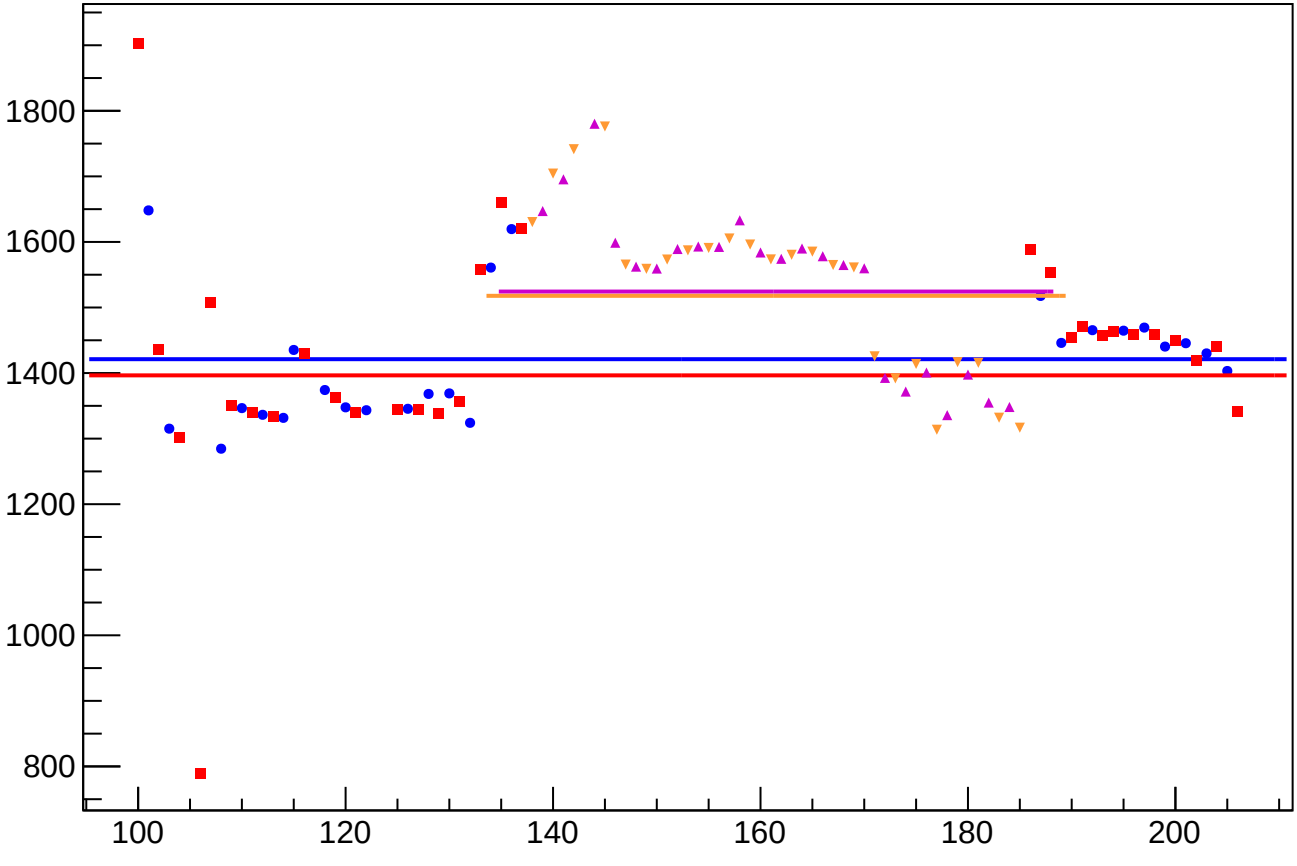
Right: 2263.732+/-259.025 χ^2/NDF: 27.9/54

In: 2249.169+/-260.037 χ^2/NDF:25.3/47

Out: 1696.887+/-250.287 χ^2/NDF:62.4/53

All: 1962.481+/-180.328 χ^2/NDF: 90.0/101

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1396.488+/-0.247 χ^2/NDF: 399241.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

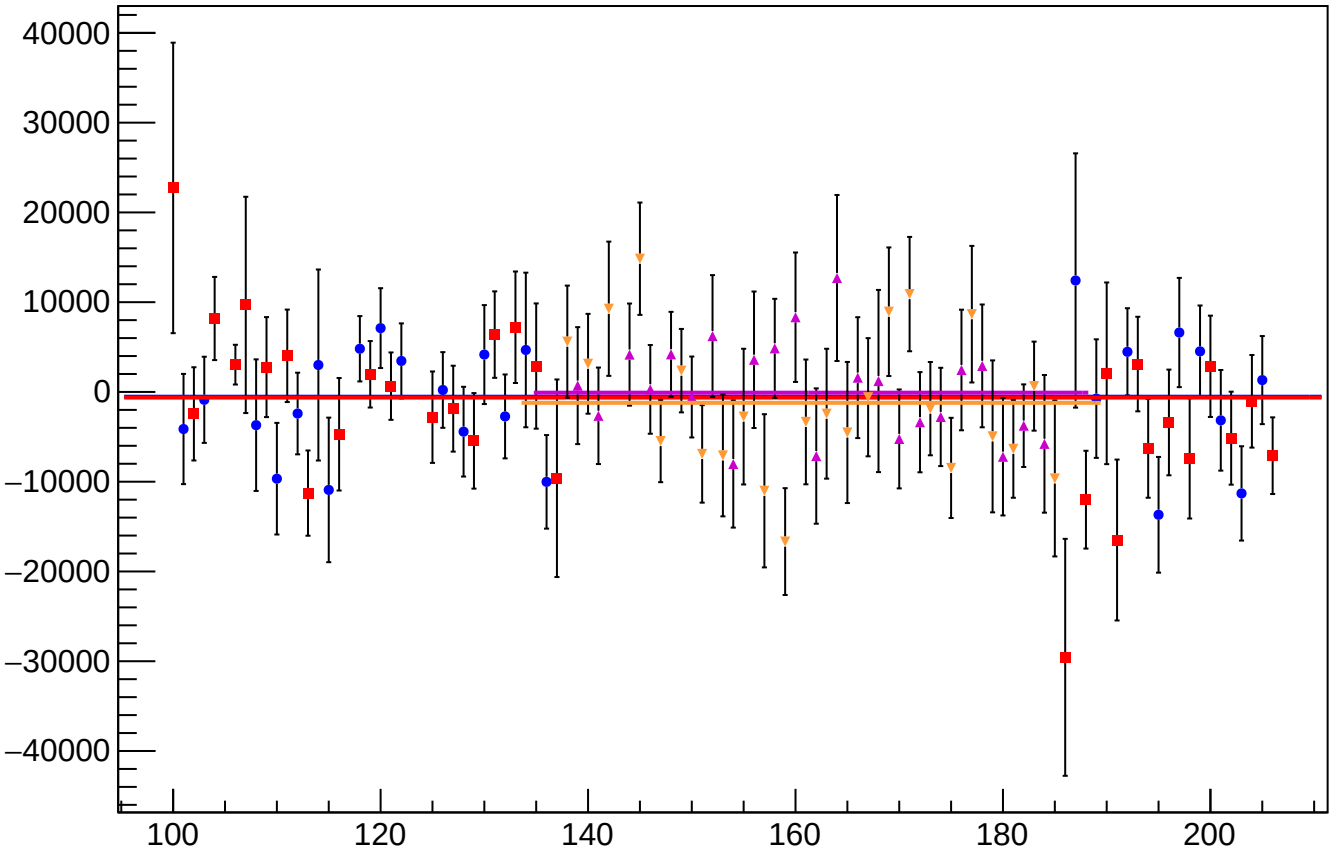
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1407.802+/-0.182 χ^2/NDF: 509728.8/54

In: 1475.870+/-0.184 χ^2/NDF:408614.7/47

Out: 1456.411+/-0.176 χ^2/NDF:752463.6/53

All: 1465.695+/-0.127 χ^2/NDF: 1166934.4/10



Right In: -532.740+/-1075.367 χ^2/NDF: 28.9/24

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -626.591+/-936.460 χ^2/NDF: 40.9/29

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

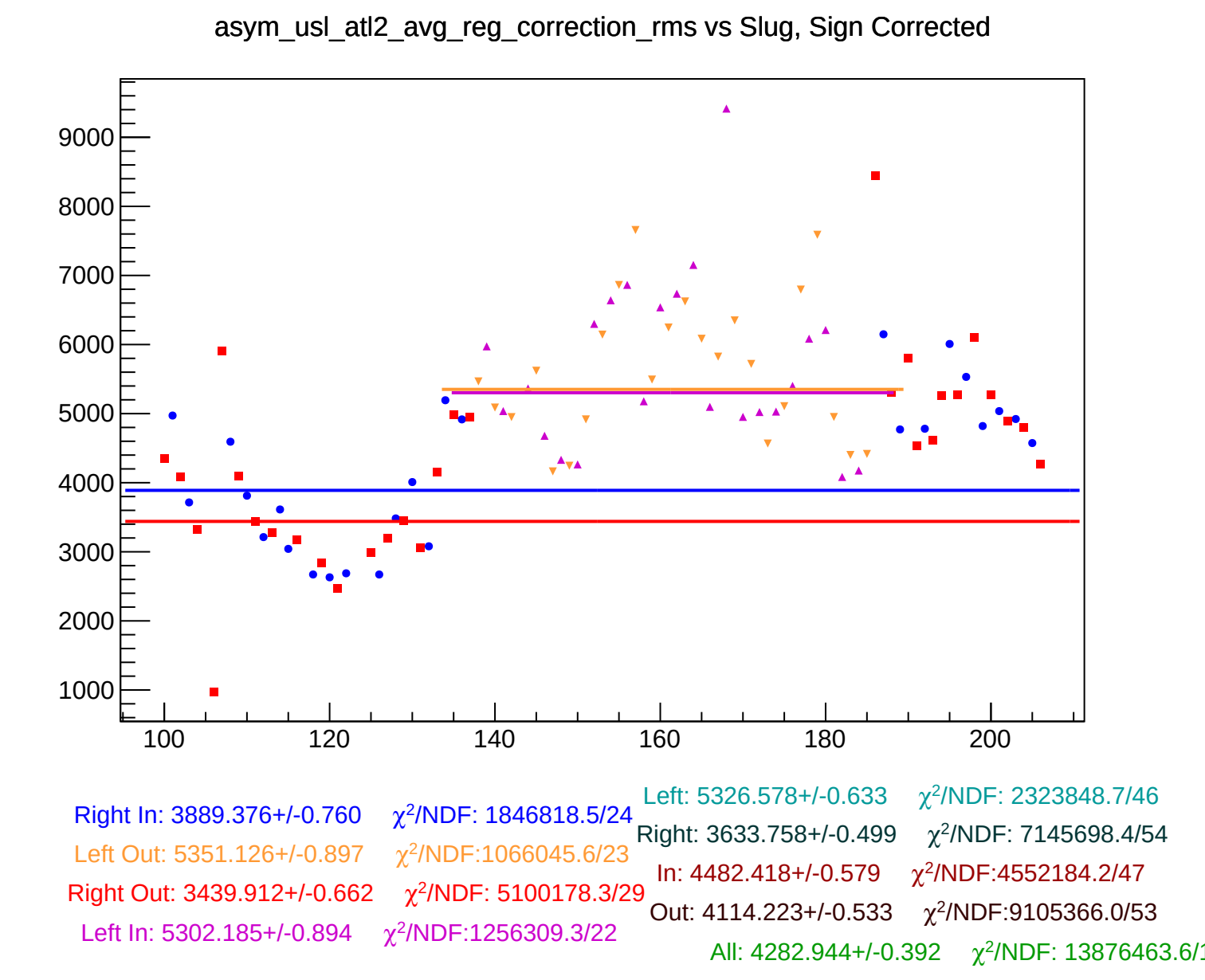
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

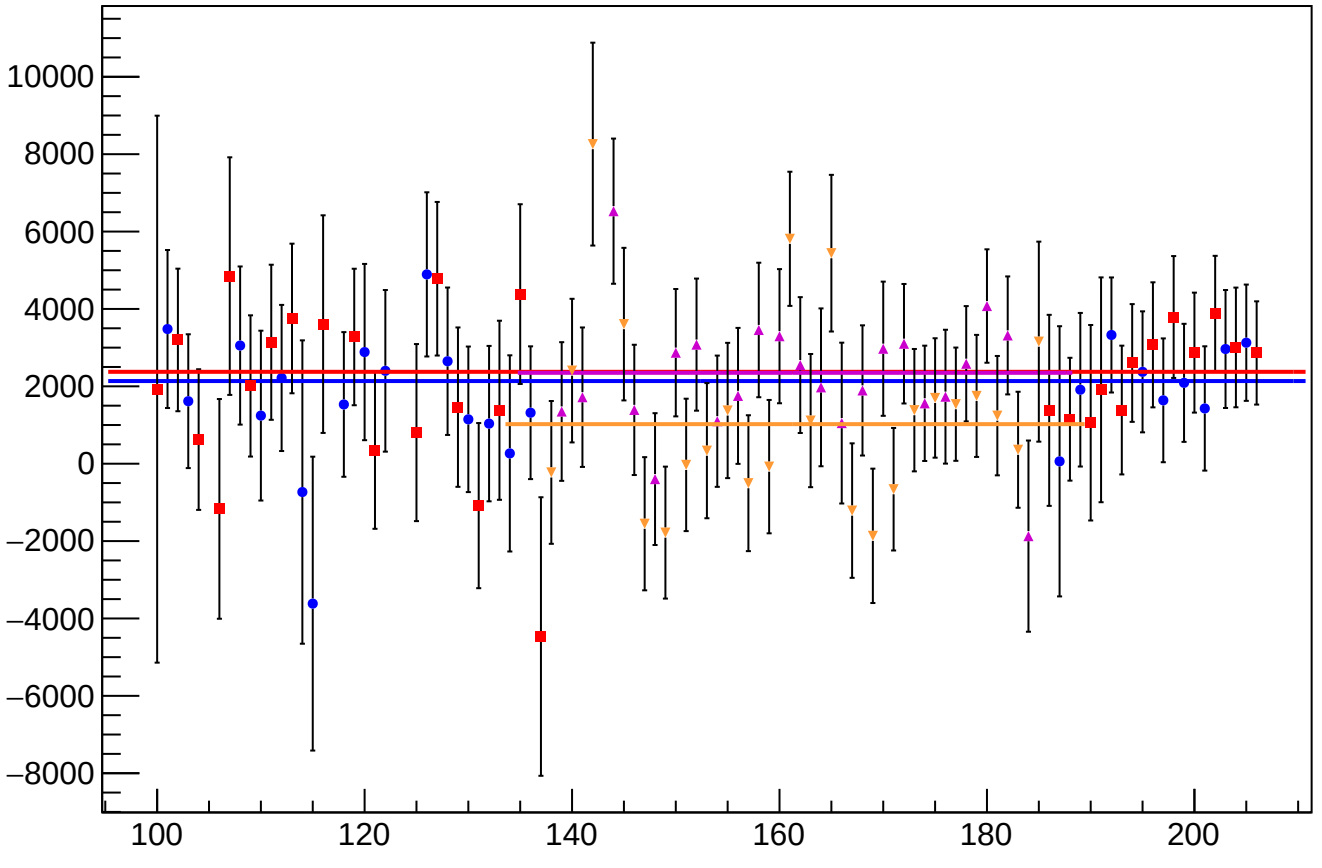
Right: -586.115+/-706.216 χ^2/NDF: 69.8/54

In: -343.025+/-819.144 χ^2/NDF:42.2/47

Out: -833.096+/-753.360 χ^2/NDF:74.3/53

All: -608.526+/-554.506 χ^2/NDF: 116.6/101


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3889.376+/-0.760 χ²/NDF: 1846818.5/24
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3439.912+/-0.662 χ²/NDF: 5100178.3/29
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3633.758+/-0.499 χ²/NDF: 7145698.4/54
In: 4482.418+/-0.579 χ²/NDF:4552184.2/47
Out: 4114.223+/-0.533 χ²/NDF:9105366.0/53
All: 4282.944+/-0.392 χ²/NDF: 13876463.6/1



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.077+/-354.463 χ^2/NDF: 18.6/29

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

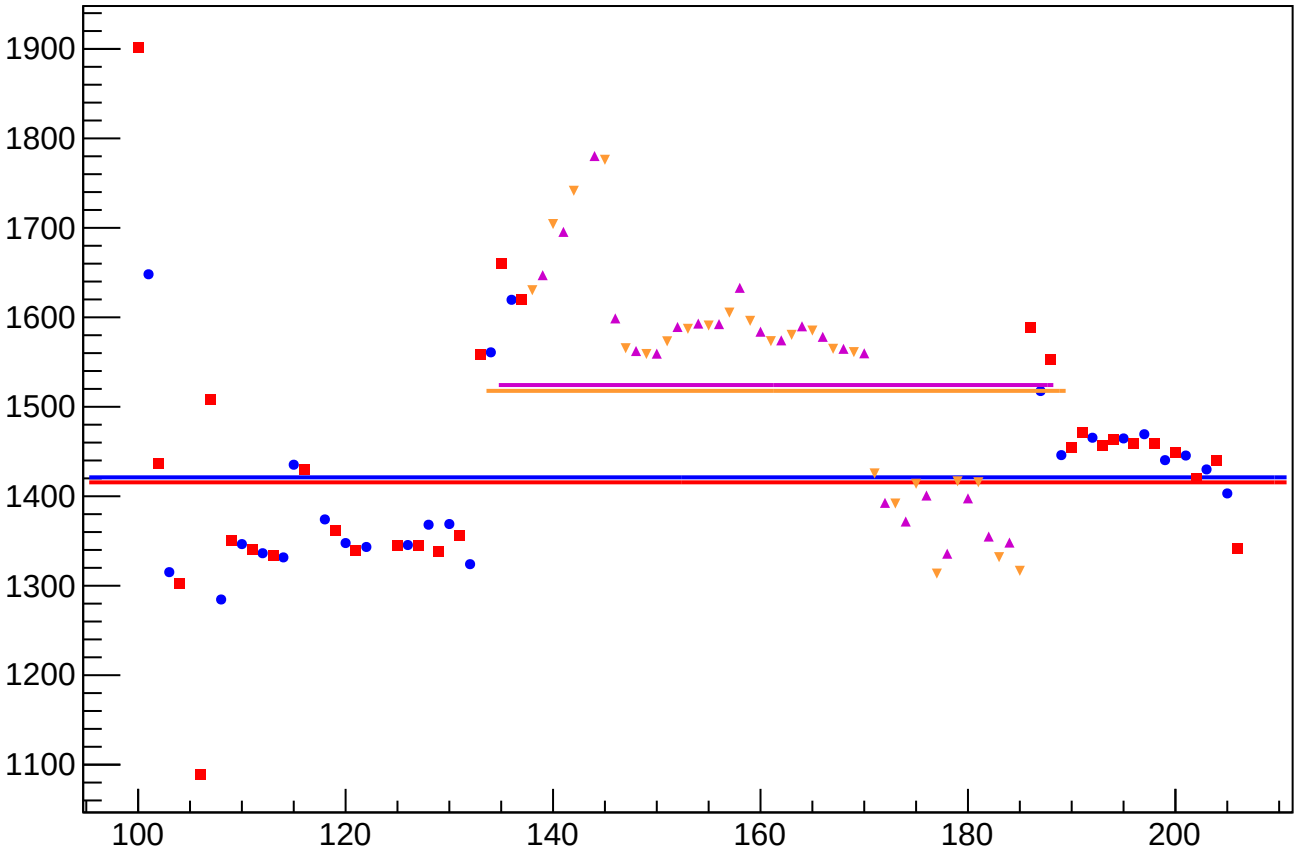
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2263.763+/-259.026 χ^2/NDF: 27.9/54

In: 2249.161+/-260.037 χ^2/NDF:25.3/47

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1962.503+/-180.328 χ^2/NDF: 90.0/101



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

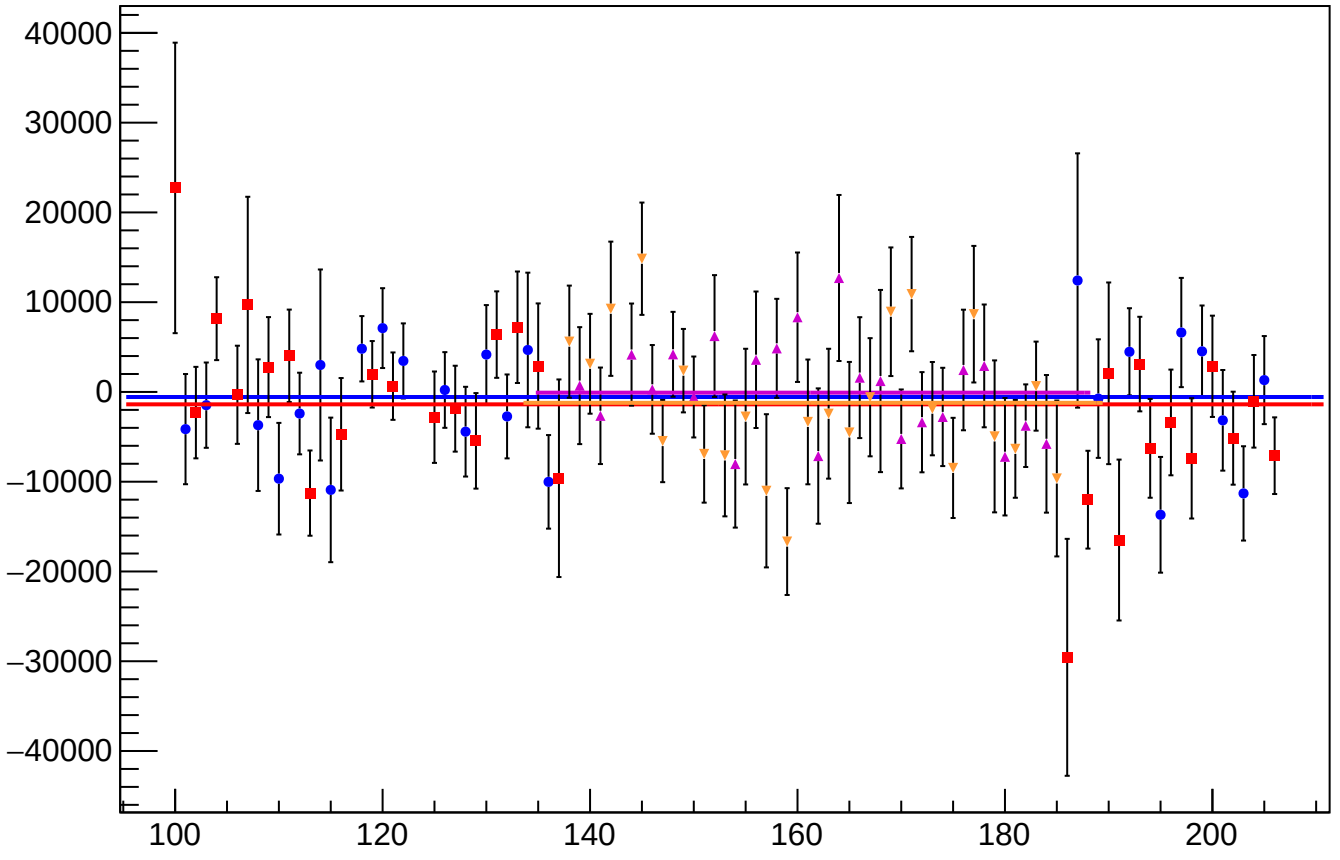
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1418.154+/-0.183 χ^2/NDF: 271804.2/54

In: 1475.870+/-0.184 χ^2/NDF:408614.8/47

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1470.998+/-0.127 χ^2/NDF: 893564.3/101



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1380.885+/-1014.550 χ^2/NDF: 37.6/29

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

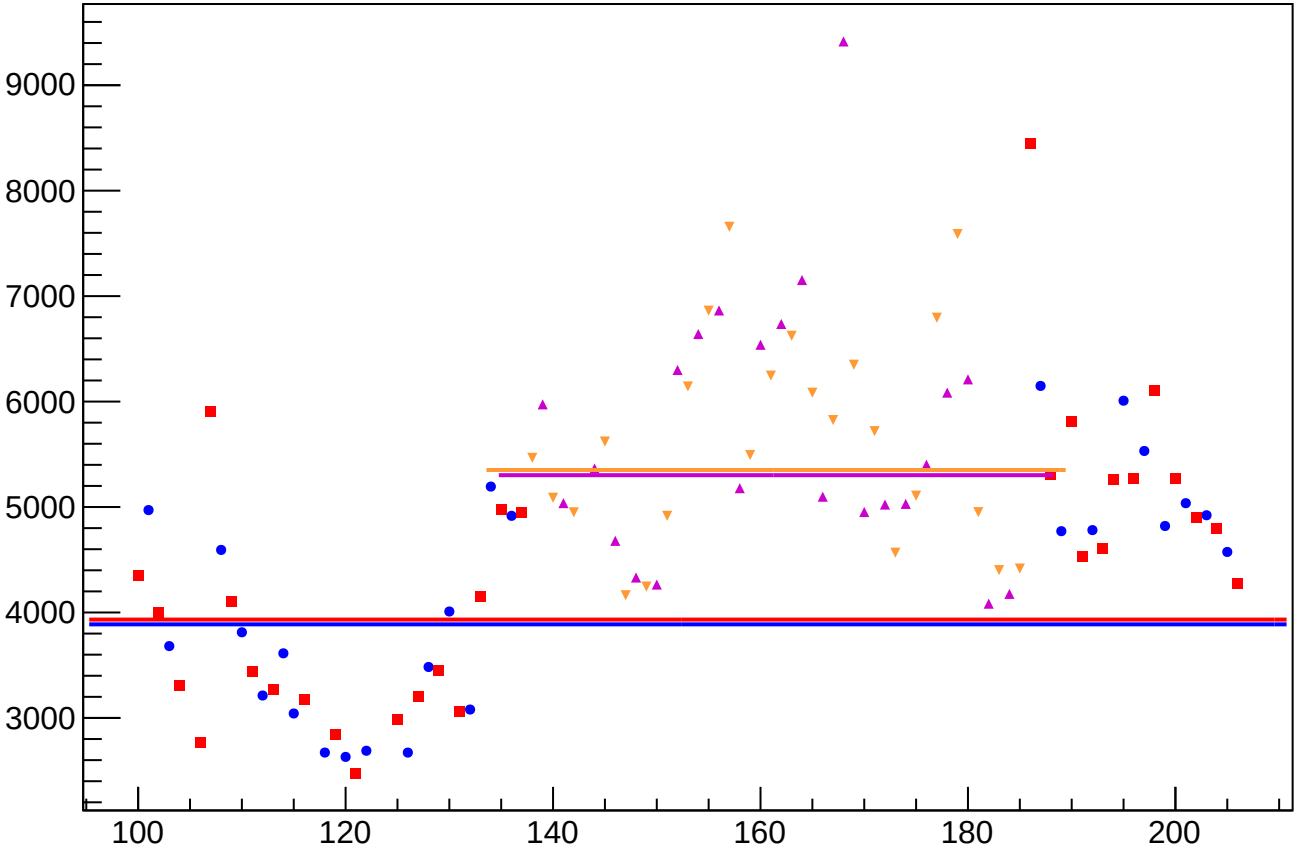
Right: -995.954+/-737.777 χ^2/NDF: 66.8/54

In: -361.216+/-818.894 χ^2/NDF:42.2/47

Out: -1314.943+/-792.262 χ^2/NDF:70.8/53

All: -853.840+/-569.396 χ^2/NDF: 113.7/101

asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

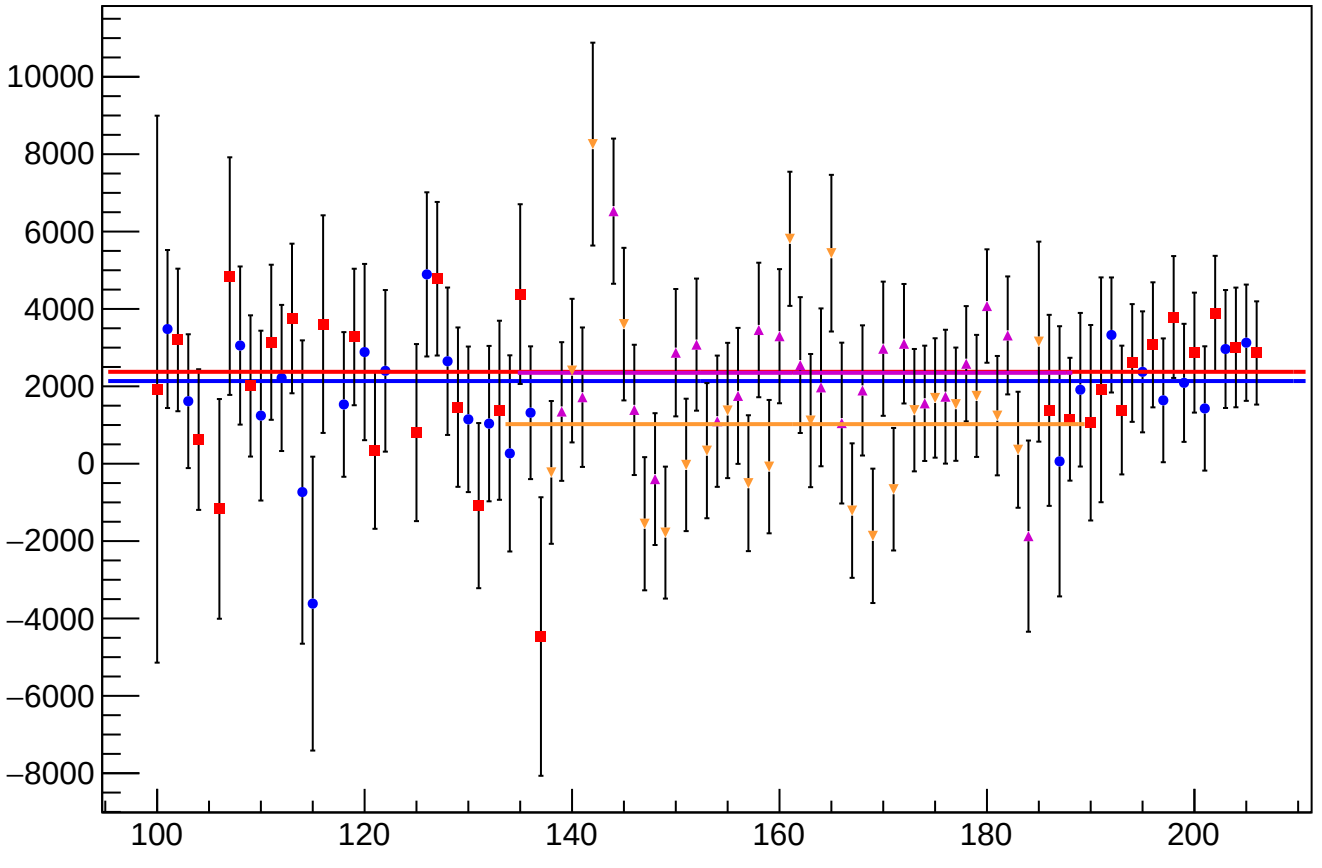
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3911.422+/-0.522 χ^2/NDF: 4011369.6/54

In: 4480.942+/-0.579 χ^2/NDF:4557849.3/47

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4483.663+/-0.403 χ^2/NDF: 9310750.0/10



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.077+/-354.463 χ^2/NDF: 18.6/29

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

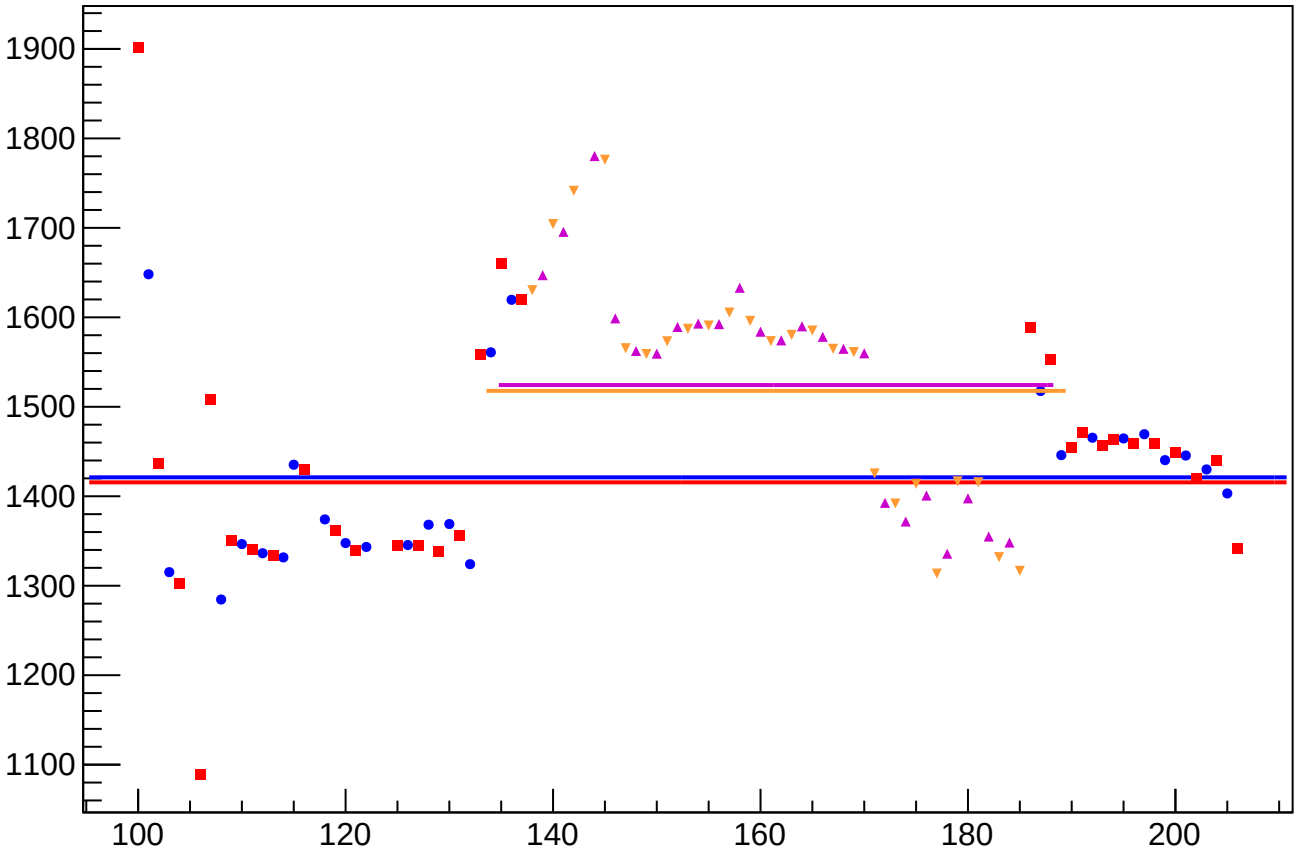
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2263.763+/-259.026 χ^2/NDF: 27.9/54

In: 2249.161+/-260.037 χ^2/NDF:25.3/47

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1962.503+/-180.328 χ^2/NDF: 90.0/101



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

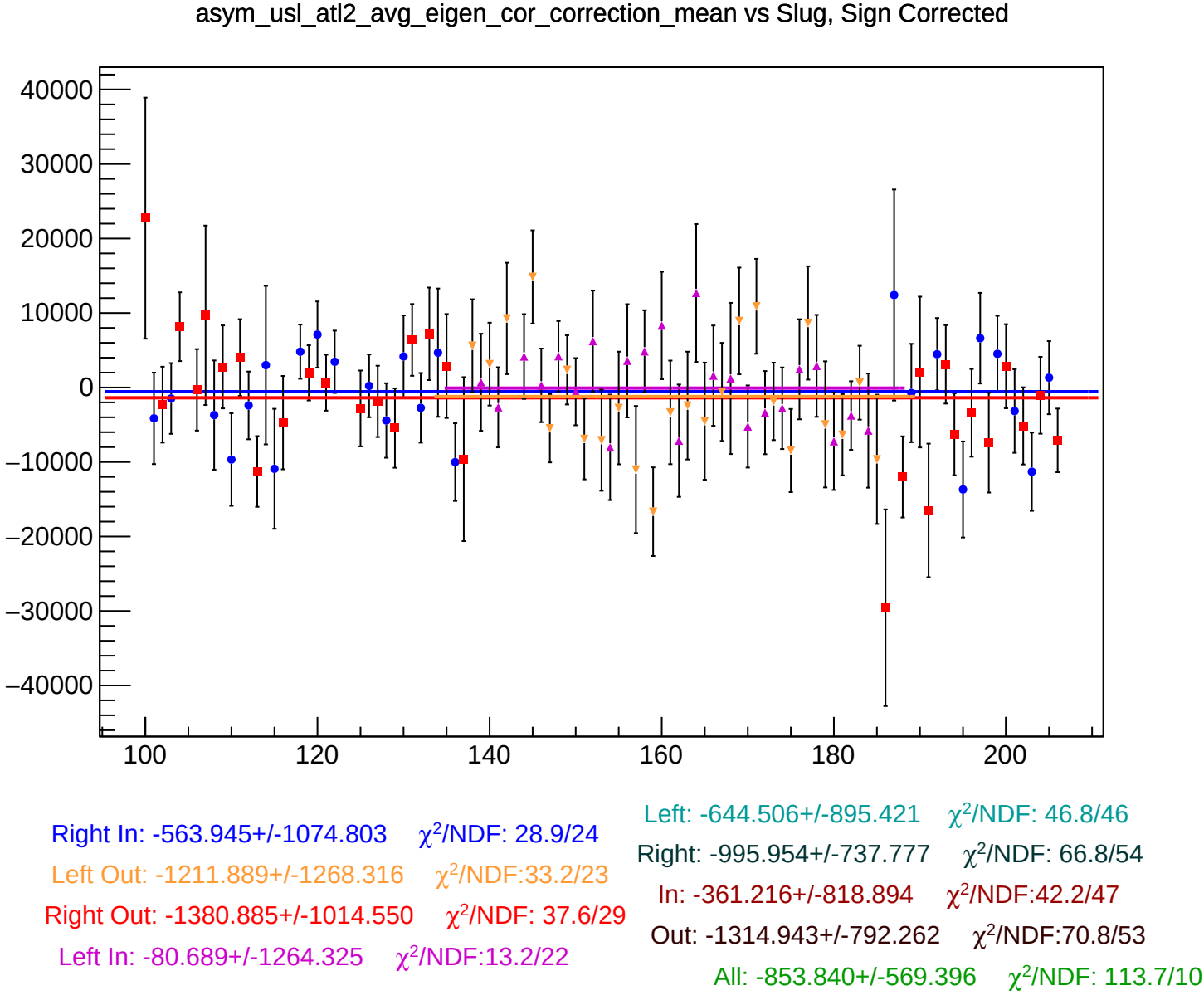
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

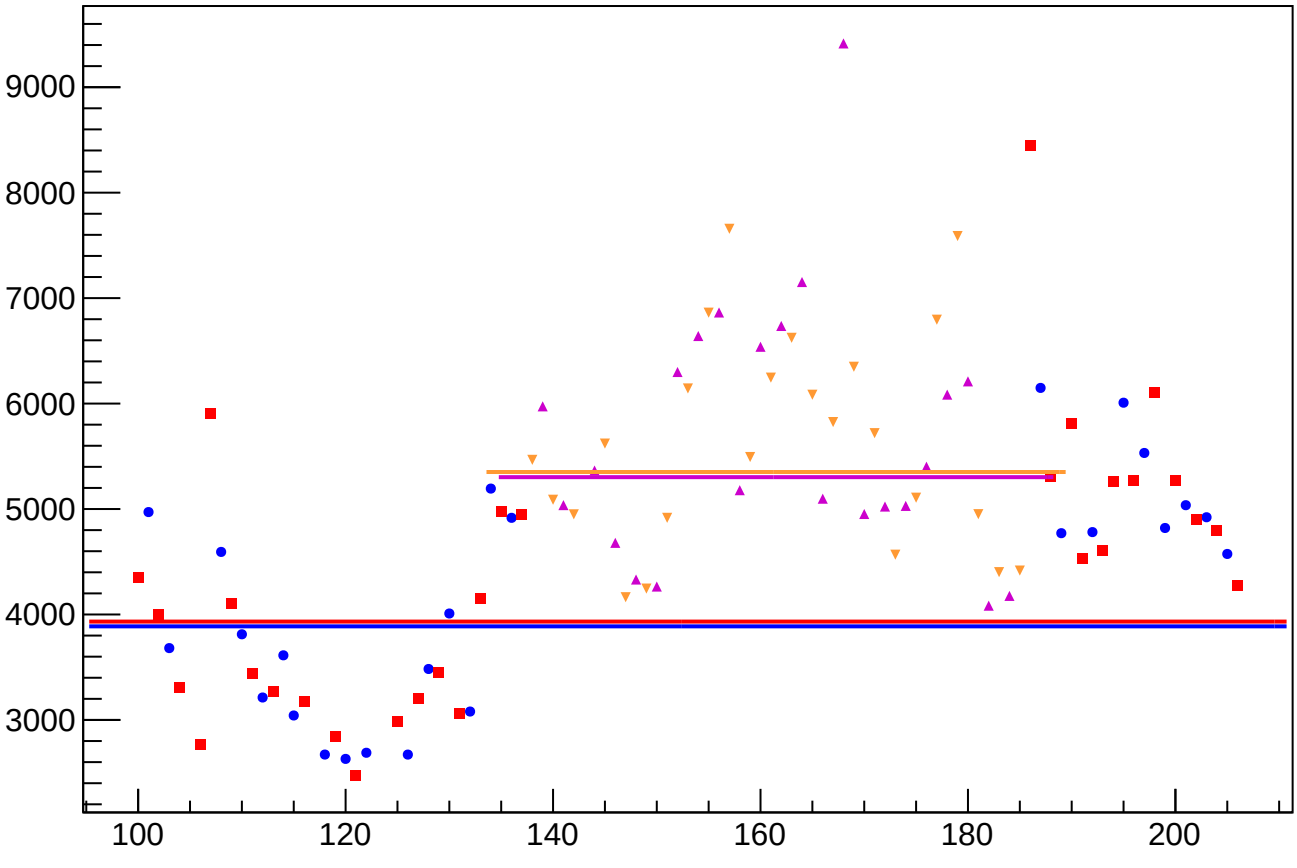
Right: 1418.154+/-0.183 χ^2/NDF: 271804.2/54

In: 1475.870+/-0.184 χ^2/NDF:408614.8/47

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1470.998+/-0.127 χ^2/NDF: 893564.3/101


asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -563.945+/-1074.803 χ²/NDF: 28.9/24
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: -1380.885+/-1014.550 χ²/NDF: 37.6/29
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -995.954+/-737.777 χ²/NDF: 66.8/54
In: -361.216+/-818.894 χ²/NDF:42.2/47
Out: -1314.943+/-792.262 χ²/NDF:70.8/53
All: -853.840+/-569.396 χ²/NDF: 113.7/101



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

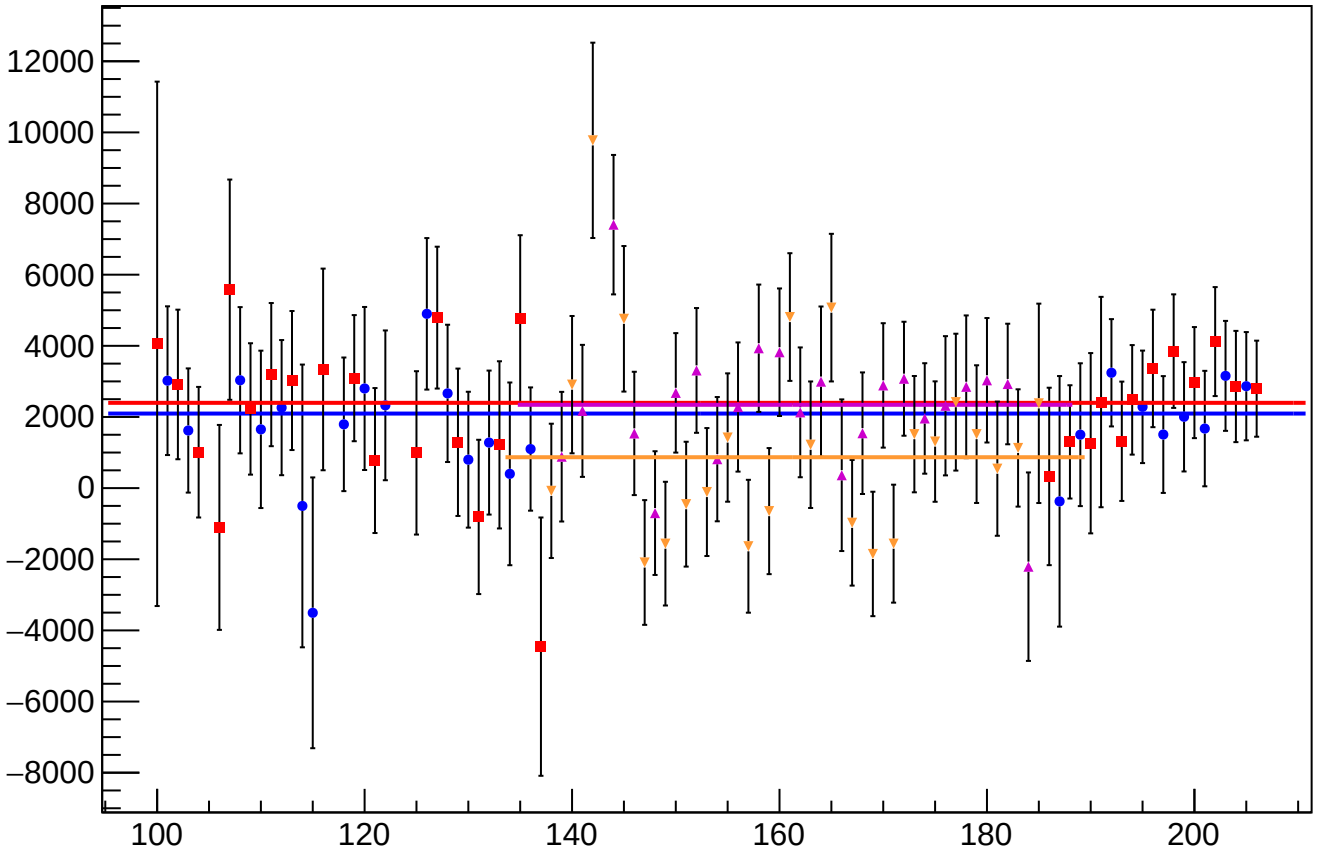
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3911.422+/-0.522 χ^2/NDF: 4011369.6/54

In: 4480.942+/-0.579 χ^2/NDF:4557849.3/47

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4483.663+/-0.403 χ^2/NDF: 9310750.0/10



Right In: 2095.925+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2397.448+/-359.644 χ^2/NDF: 18.0/29

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

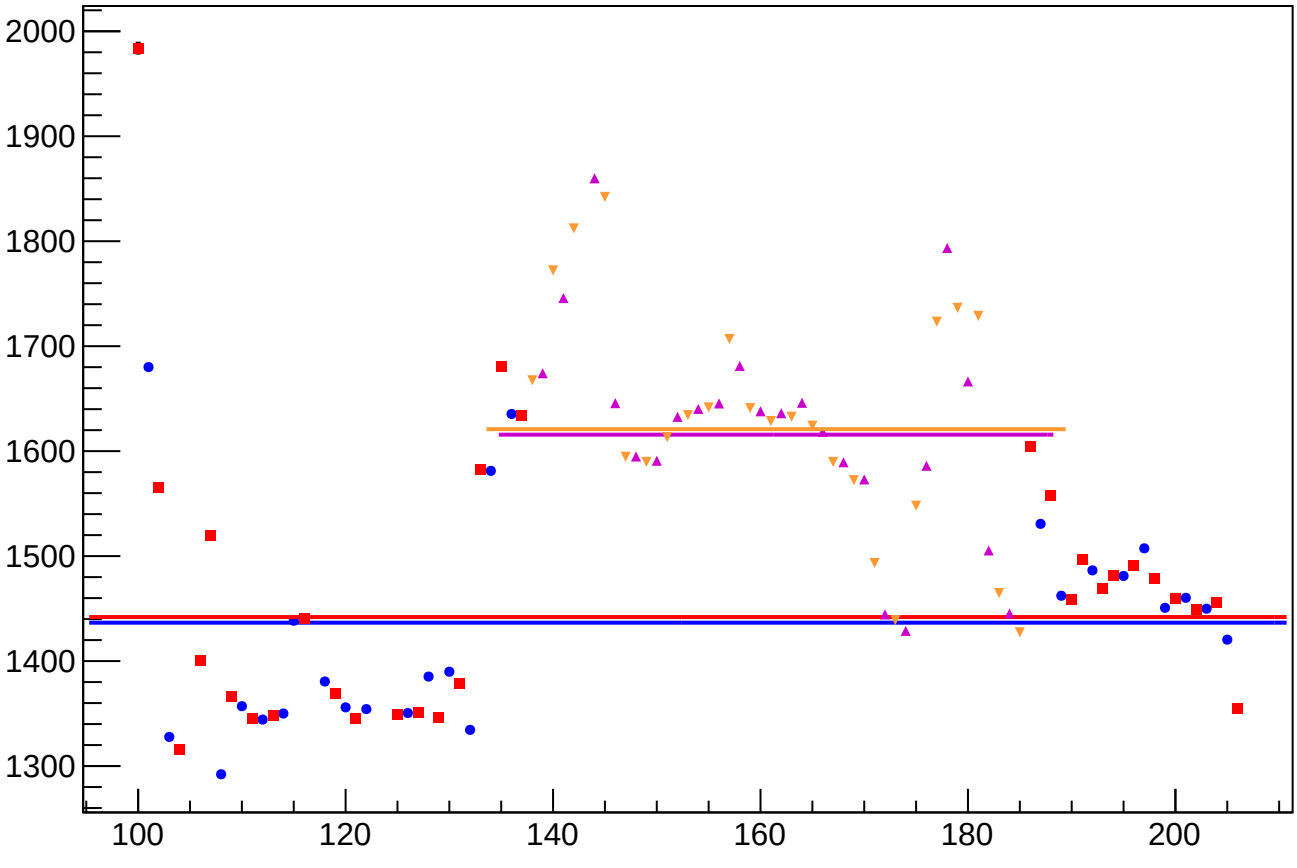
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2256.443+/-262.406 χ^2/NDF: 26.9/54

In: 2220.928+/-269.328 χ^2/NDF:26.8/47

Out: 1669.301+/-260.285 χ^2/NDF:66.4/53

All: 1935.698+/-187.164 χ^2/NDF: 95.3/101



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.5/24

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.4/29

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

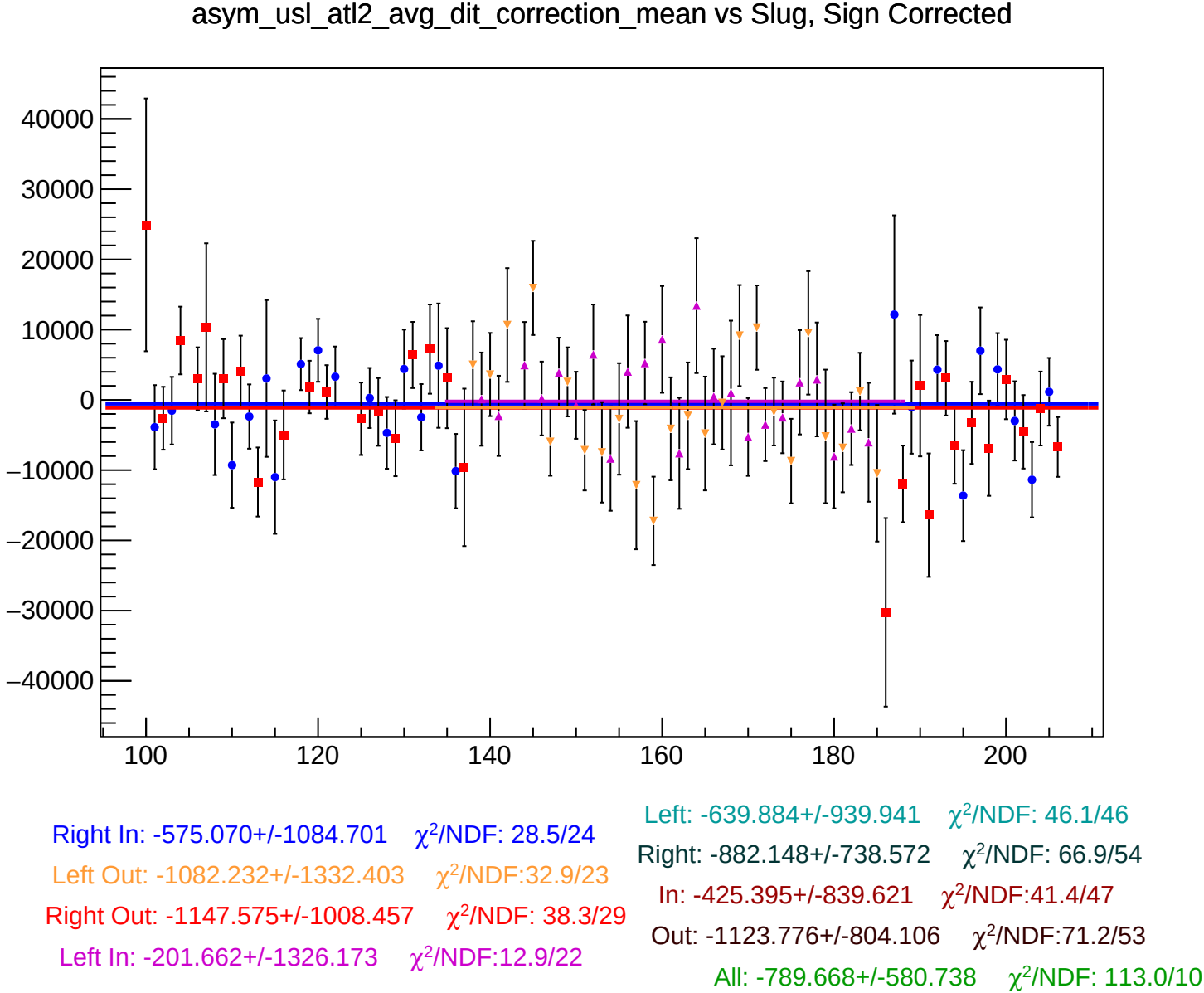
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

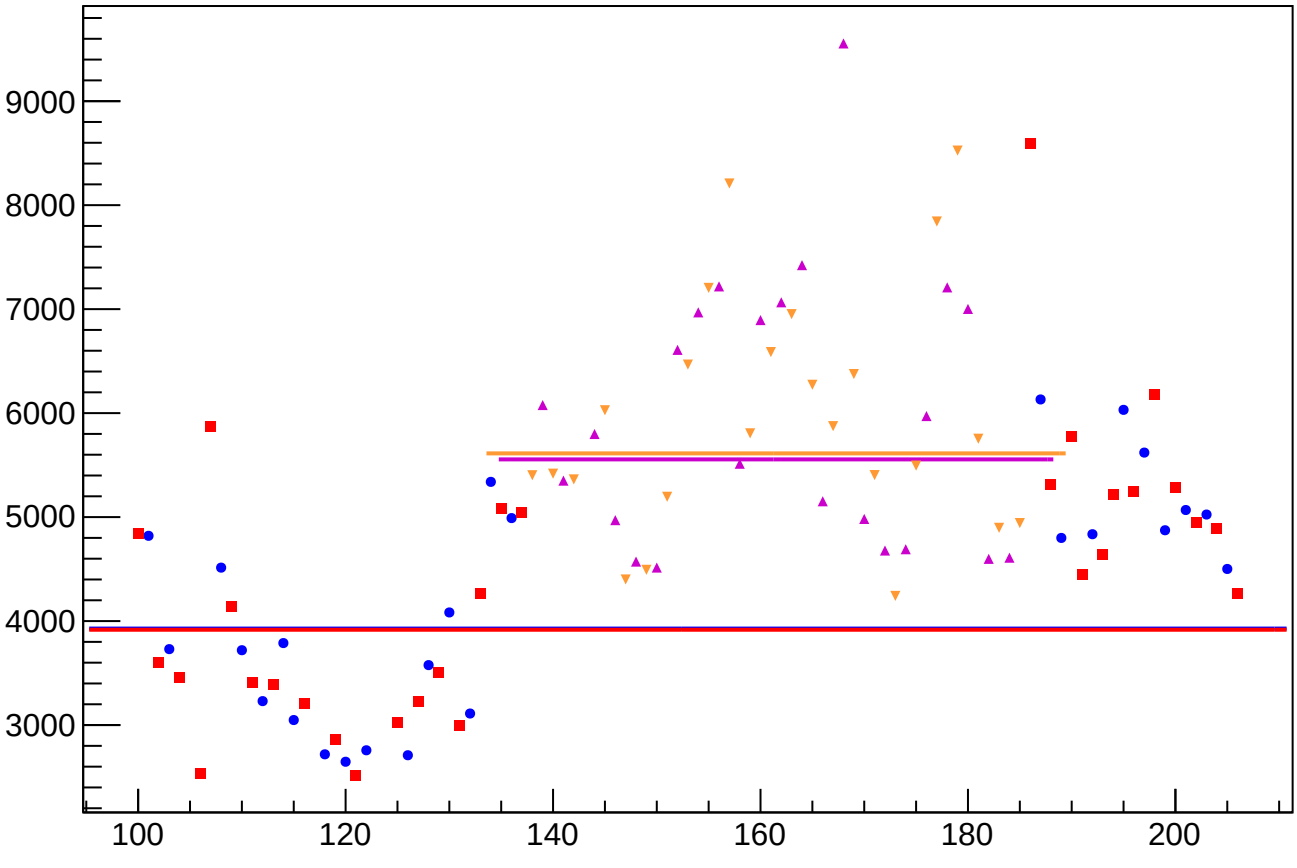
Right: 1439.439+/-0.185 χ^2/NDF: 243884.8/54

In: 1527.463+/-0.190 χ^2/NDF:472477.6/47

Out: 1527.075+/-0.184 χ^2/NDF:507656.0/53

All: 1527.262+/-0.132 χ^2/NDF: 980135.7/101


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -575.070+/-1084.701 χ²/NDF: 28.5/24
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: -1147.575+/-1008.457 χ²/NDF: 38.3/29
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -882.148+/-738.572 χ²/NDF: 66.9/54
In: -425.395+/-839.621 χ²/NDF:41.4/47
Out: -1123.776+/-804.106 χ²/NDF:71.2/53
All: -789.668+/-580.738 χ²/NDF: 113.0/101



Right In: 3927.858+/-0.767 χ^2/NDF: 1798166.2/24

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3916.749+/-0.713 χ^2/NDF: 2247825.8/29

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

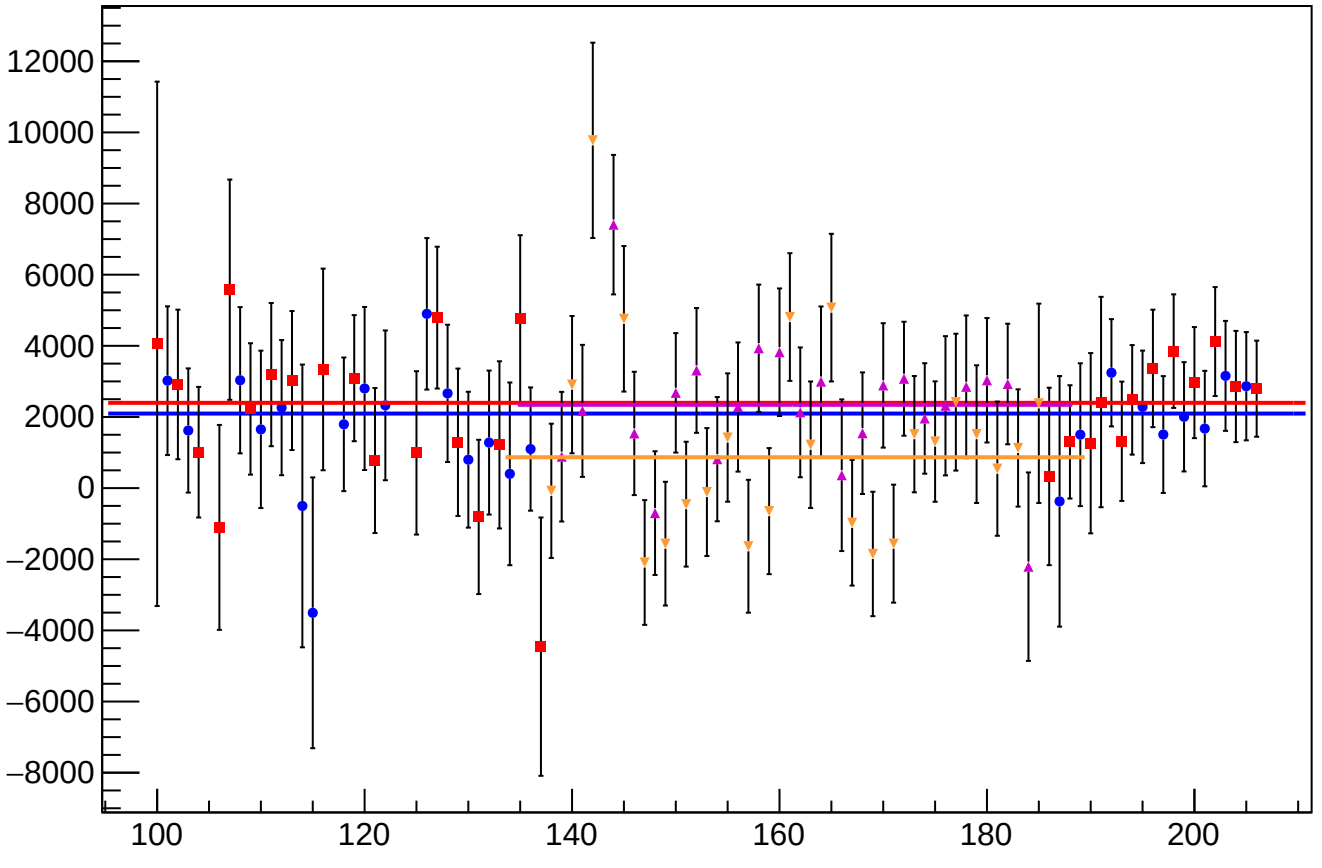
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3921.900+/-0.522 χ^2/NDF: 4046104.5/54

In: 4580.045+/-0.594 χ^2/NDF:4934932.2/47

Out: 4534.448+/-0.569 χ^2/NDF:5496158.7/53

All: 4556.261+/-0.411 χ^2/NDF: 10434167.6/1



Right In: 2095.922+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2397.446+/-359.644 χ^2/NDF: 18.0/29

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

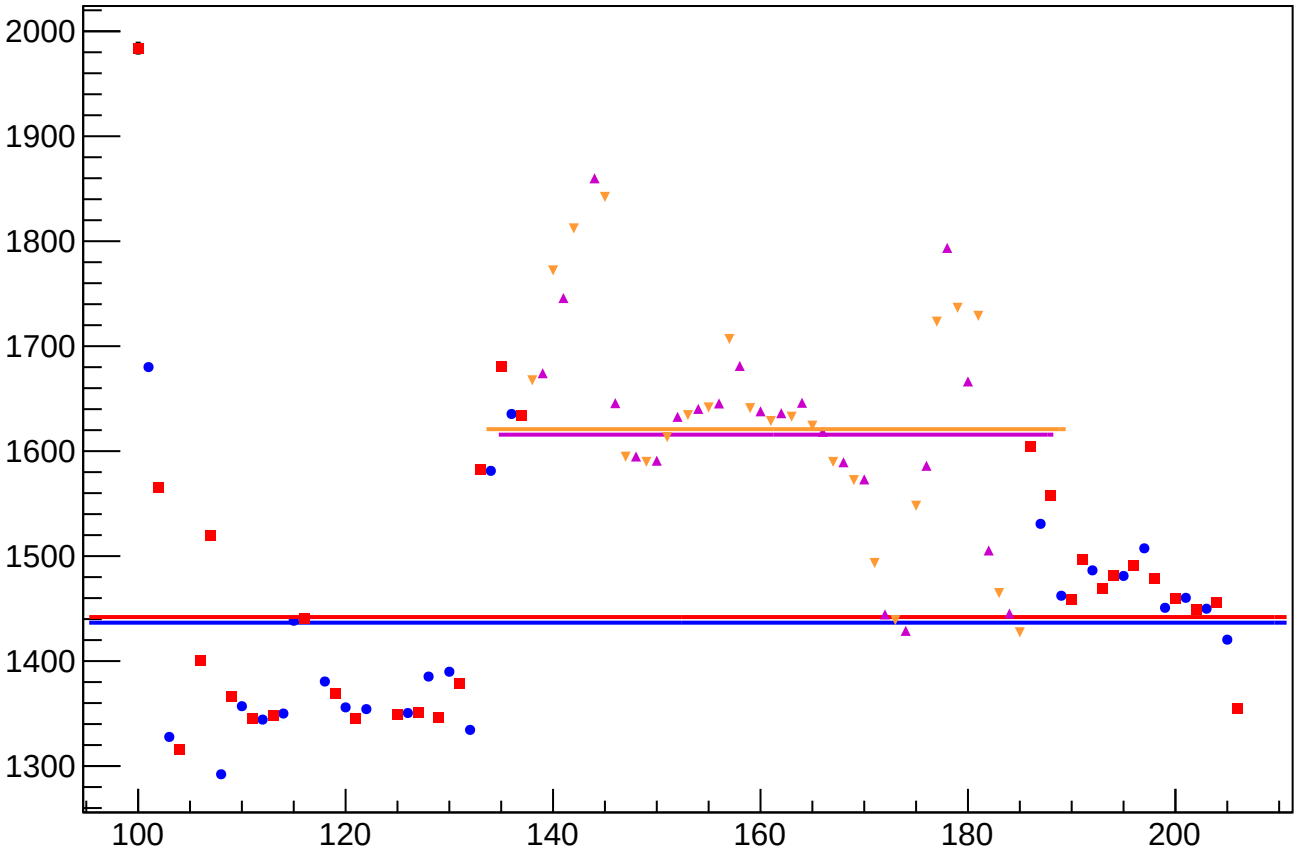
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2256.441+/-262.406 χ^2/NDF: 26.9/54

In: 2220.926+/-269.328 χ^2/NDF:26.8/47

Out: 1669.298+/-260.285 χ^2/NDF:66.4/53

All: 1935.696+/-187.165 χ^2/NDF: 95.3/101



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.6/24

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.7/29

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

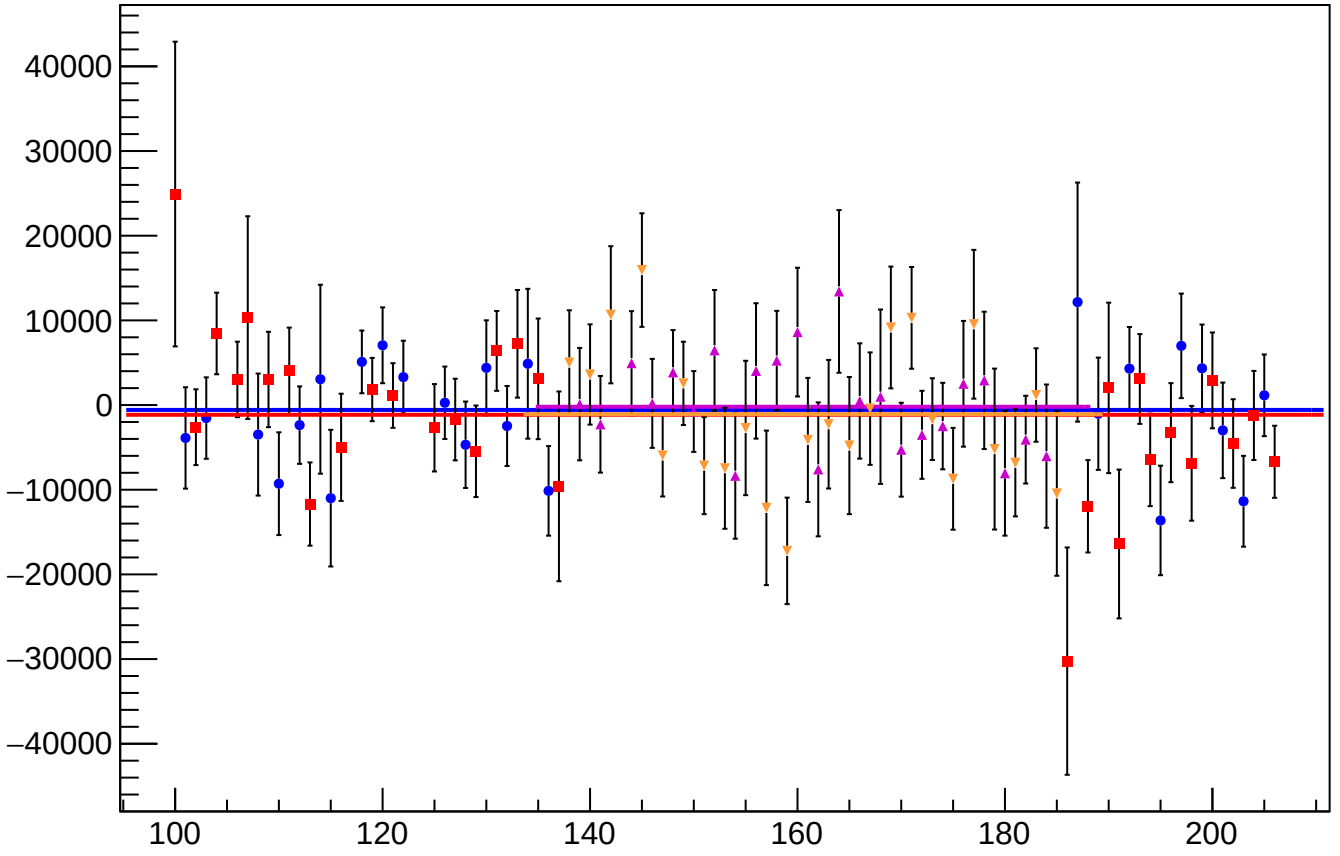
Right: 1439.439+/-0.185 χ^2/NDF: 243885.2/54

In: 1527.463+/-0.190 χ^2/NDF:472485.3/47

Out: 1527.076+/-0.184 χ^2/NDF:507664.3/53

All: 1527.263+/-0.132 χ^2/NDF: 980151.7/101

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -575.063+/-1084.700 χ^2/NDF: 28.5/24

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -1147.566+/-1008.456 χ^2/NDF: 38.3/29

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

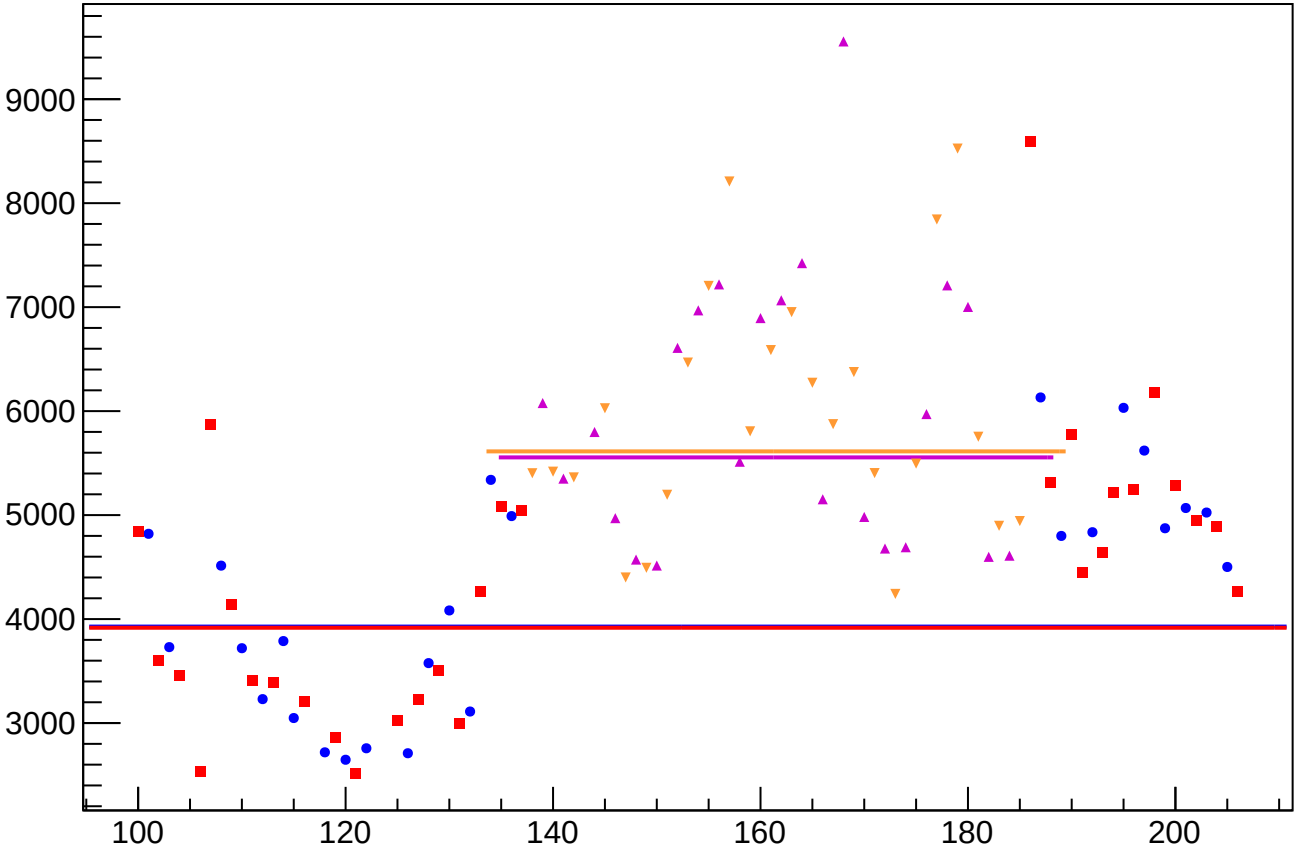
Right: -882.140+/-738.571 χ^2/NDF: 66.9/54

In: -425.392+/-839.621 χ^2/NDF:41.4/47

Out: -1123.773+/-804.106 χ^2/NDF:71.2/53

All: -789.665+/-580.738 χ^2/NDF: 113.0/101

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3927.850+/-0.767 χ^2/NDF: 1798198.3/24

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3916.742+/-0.713 χ^2/NDF: 2247855.1/29

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

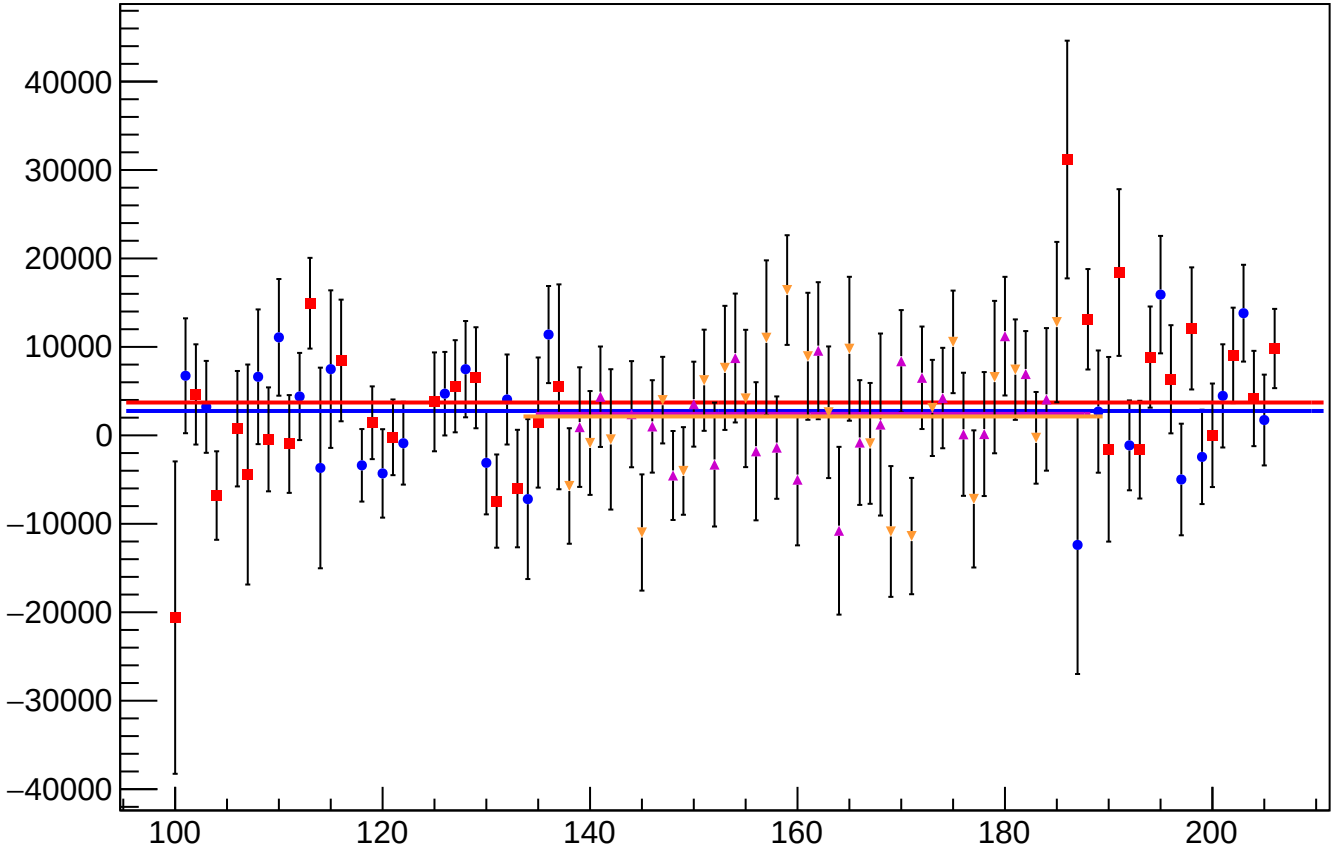
Right: 3921.892+/-0.522 χ^2/NDF: 4046165.9/54

In: 4580.041+/-0.594 χ^2/NDF:4935001.3/47

Out: 4534.444+/-0.569 χ^2/NDF:5496224.5/53

All: 4556.258+/-0.411 χ^2/NDF: 10434302.3/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2756.337+/-1156.322 χ^2/NDF: 25.7/24

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3713.979+/-1091.832 χ^2/NDF: 38.0/29

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

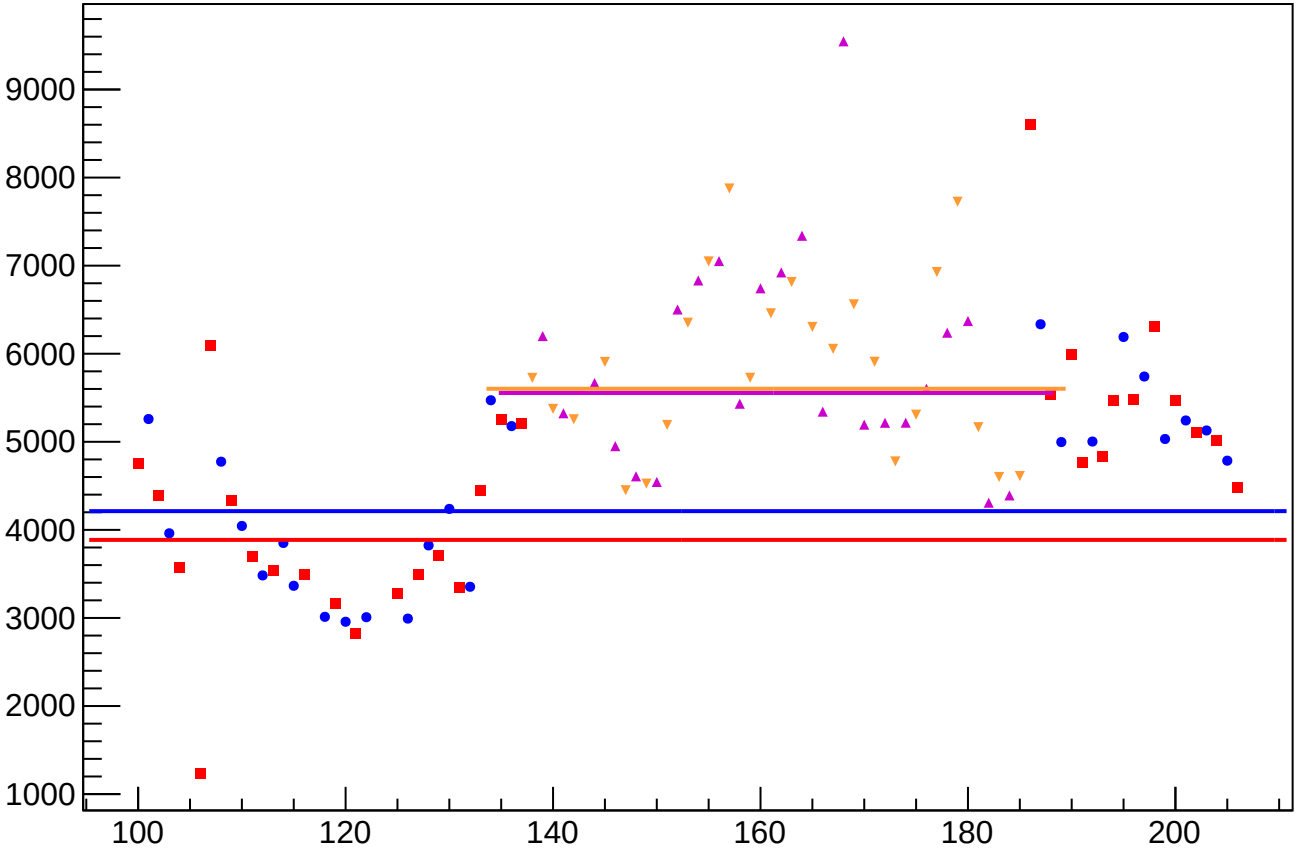
Right: 3262.606+/-793.862 χ^2/NDF: 64.1/54

In: 2613.933+/-870.098 χ^2/NDF:38.6/47

Out: 3076.338+/-842.456 χ^2/NDF:69.5/53

All: 2852.597+/-605.243 χ^2/NDF: 108.3/101

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4212.707+/-0.818 χ^2/NDF: 1465818.7/24

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3886.375+/-0.730 χ^2/NDF: 3697951.2/29

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

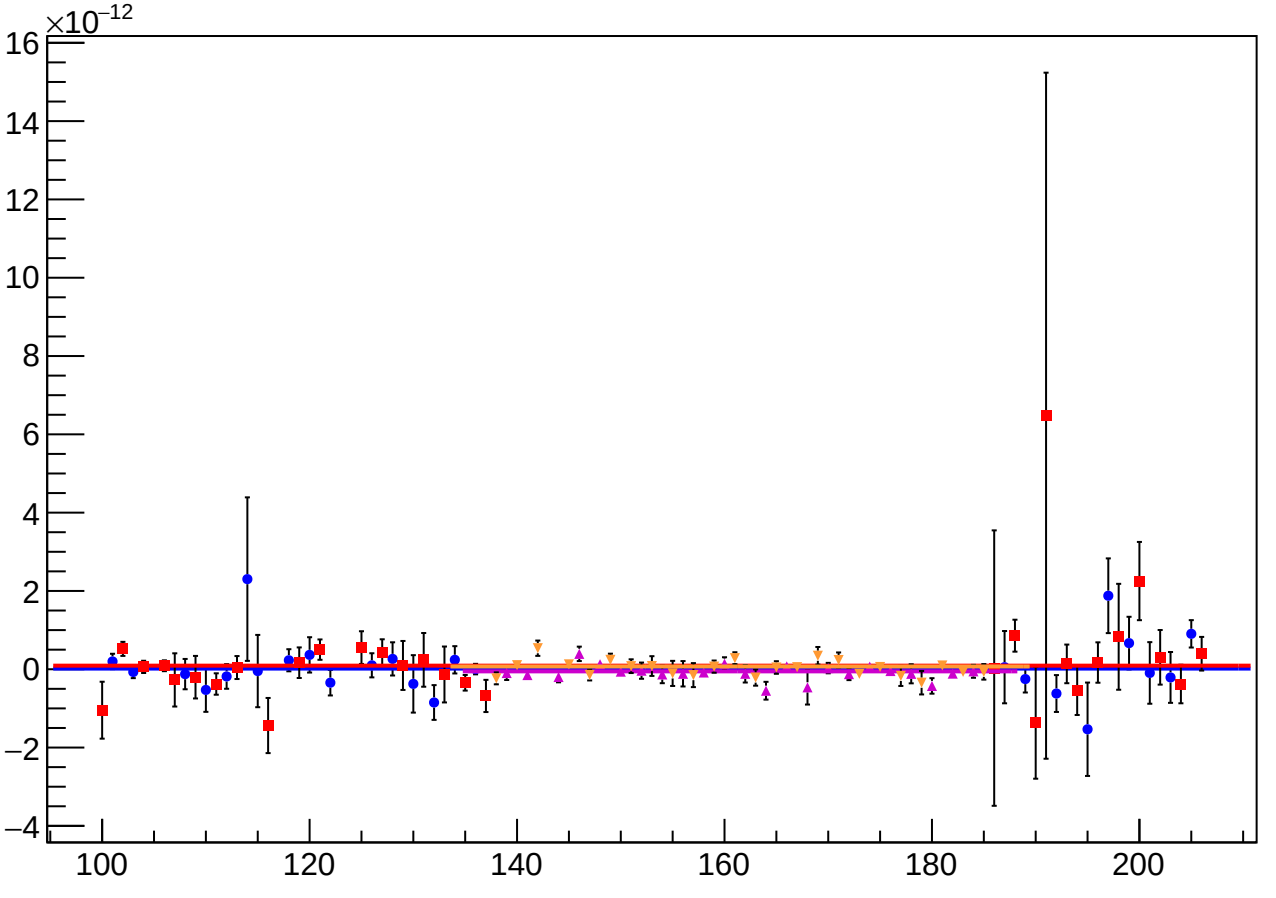
Right: 4031.030+/-0.544 χ^2/NDF: 5252451.3/54

In: 4794.567+/-0.615 χ^2/NDF:3745433.9/47

Out: 4534.481+/-0.576 χ^2/NDF:6727571.1/53

All: 4655.861+/-0.420 χ^2/NDF: 10568308.2/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/29

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

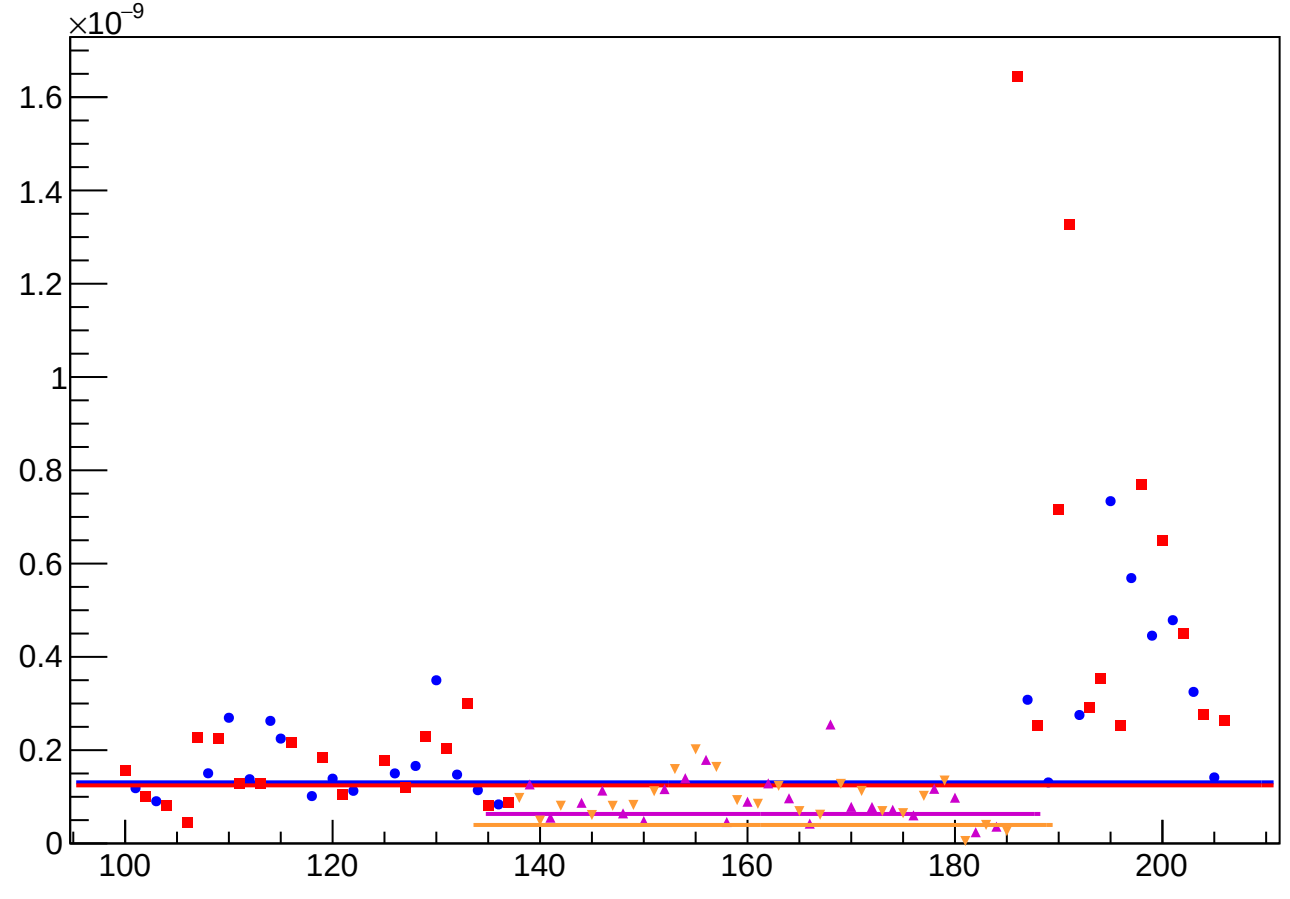
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 69.5/54

In: -0.000+/-0.000 χ^2/NDF:53.0/47

Out: 0.000+/-0.000 χ^2/NDF:70.6/53

All: 0.000+/-0.000 χ^2/NDF: 135.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 2984177.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4809526.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

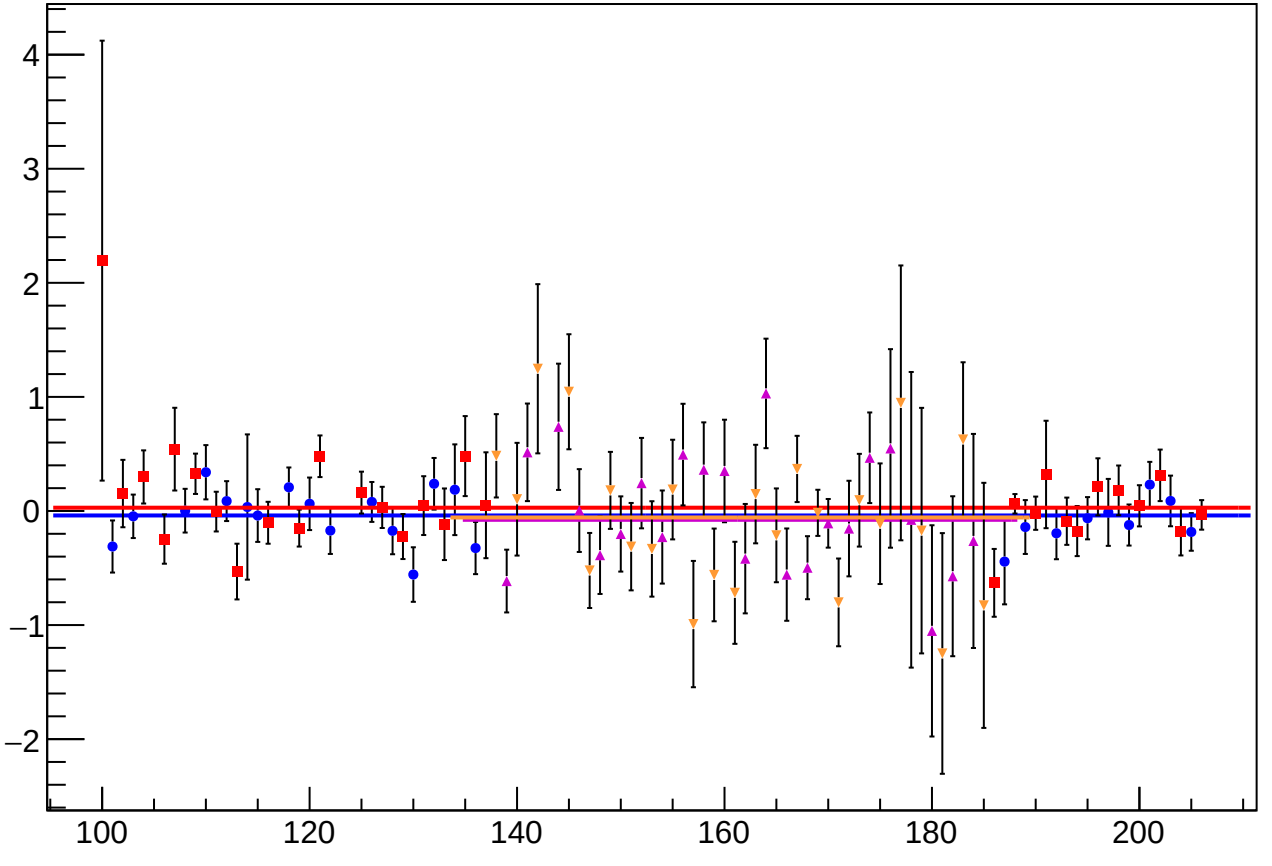
Right: 0.000+/-0.000 χ^2/NDF: 7803986.2/54

In: 0.000+/-0.000 χ^2/NDF:7708896.0/47

Out: 0.000+/-0.000 χ^2/NDF:15111976.2/53

All: 0.000+/-0.000 χ^2/NDF: 23909679.2/101

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

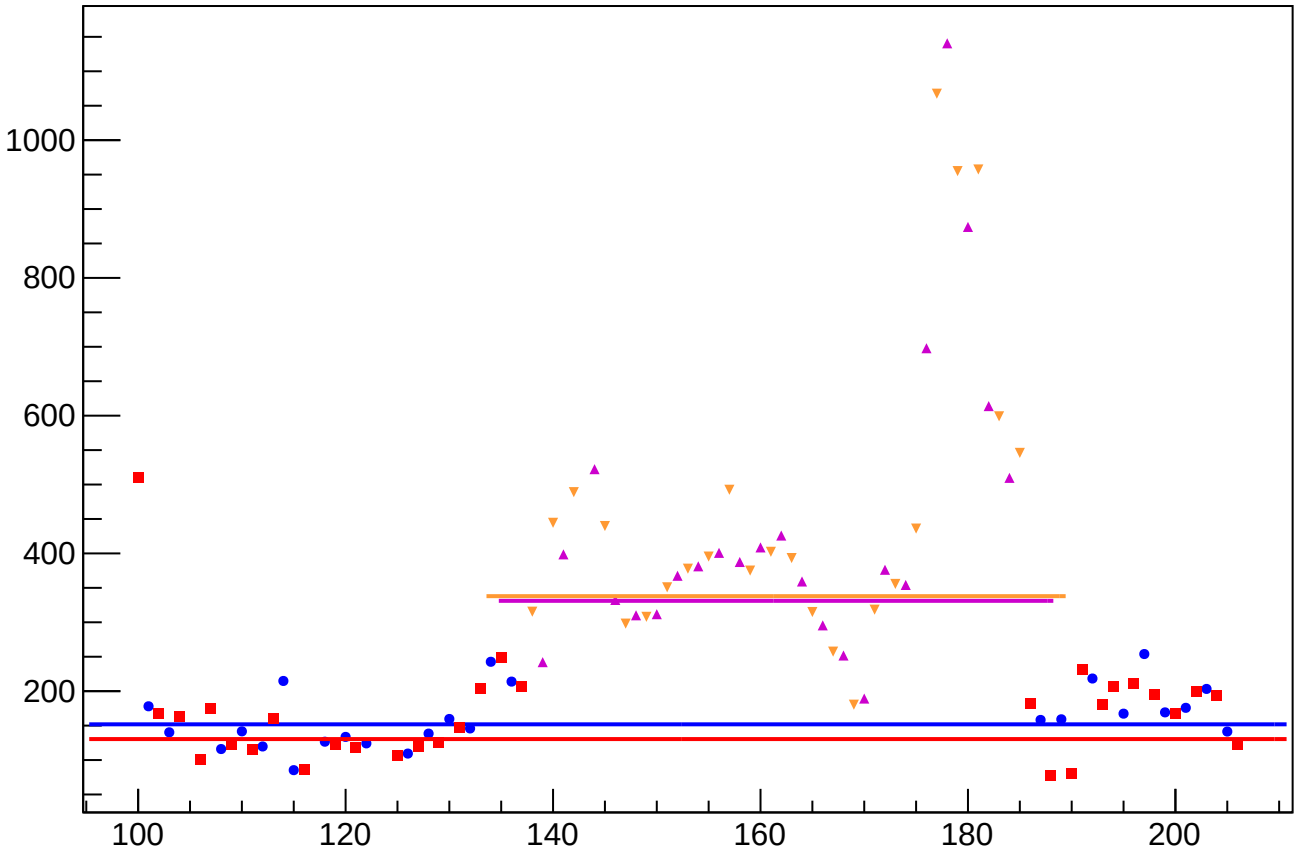
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.001+/-0.028 χ^2/NDF: 59.6/54

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.011+/-0.025 χ^2/NDF: 118.1/101



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

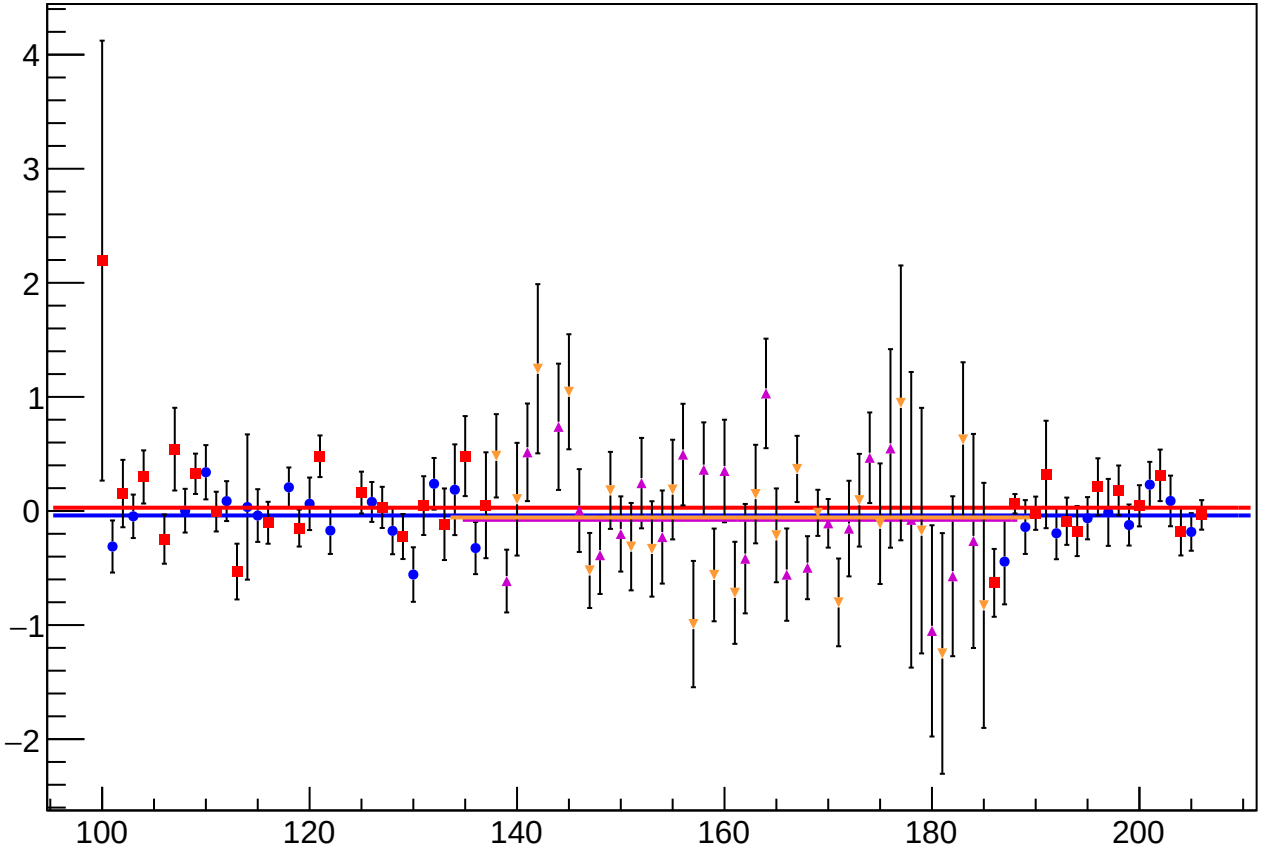
Right: 139.214+/-0.019 χ^2/NDF: 4923258.9/54

In: 189.633+/-0.027 χ^2/NDF:12826042.9/47

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 173.545+/-0.018 χ^2/NDF: 31189485.1/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

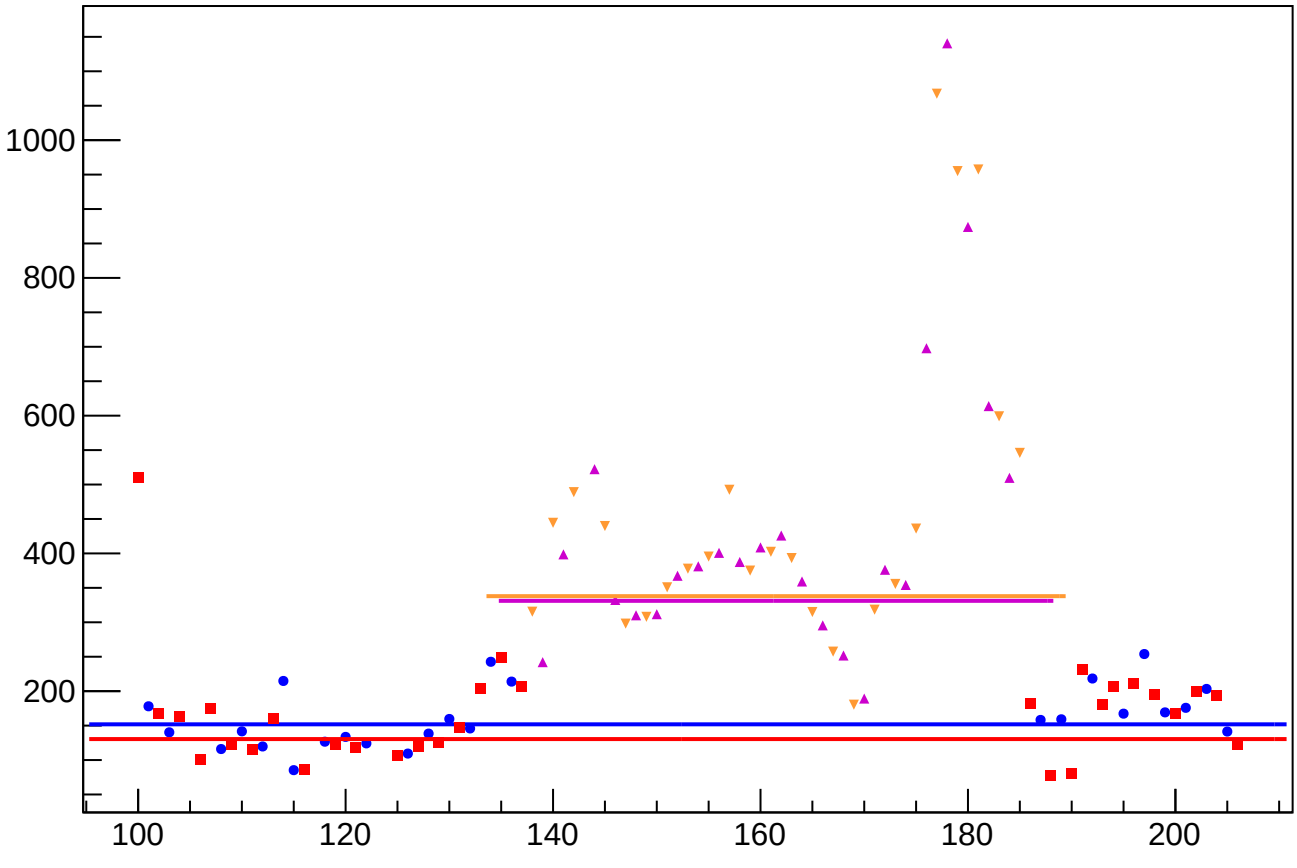
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.001+/-0.028 χ^2/NDF: 59.6/54

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.011+/-0.025 χ^2/NDF: 118.1/101



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

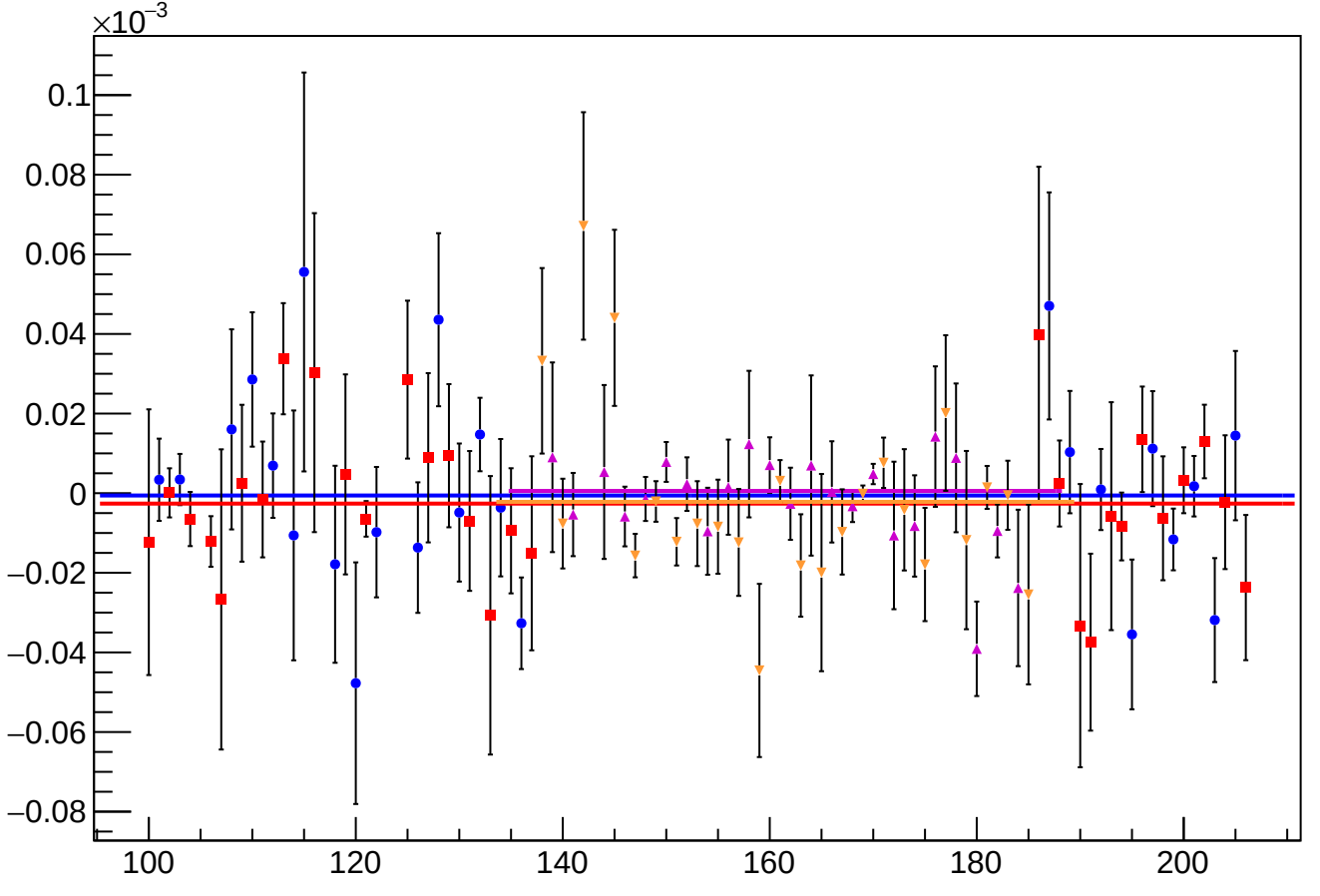
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 139.214+/-0.019 χ^2/NDF: 4923258.9/54

In: 189.633+/-0.027 χ^2/NDF:12826042.9/47

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 173.545+/-0.018 χ^2/NDF: 31189485.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

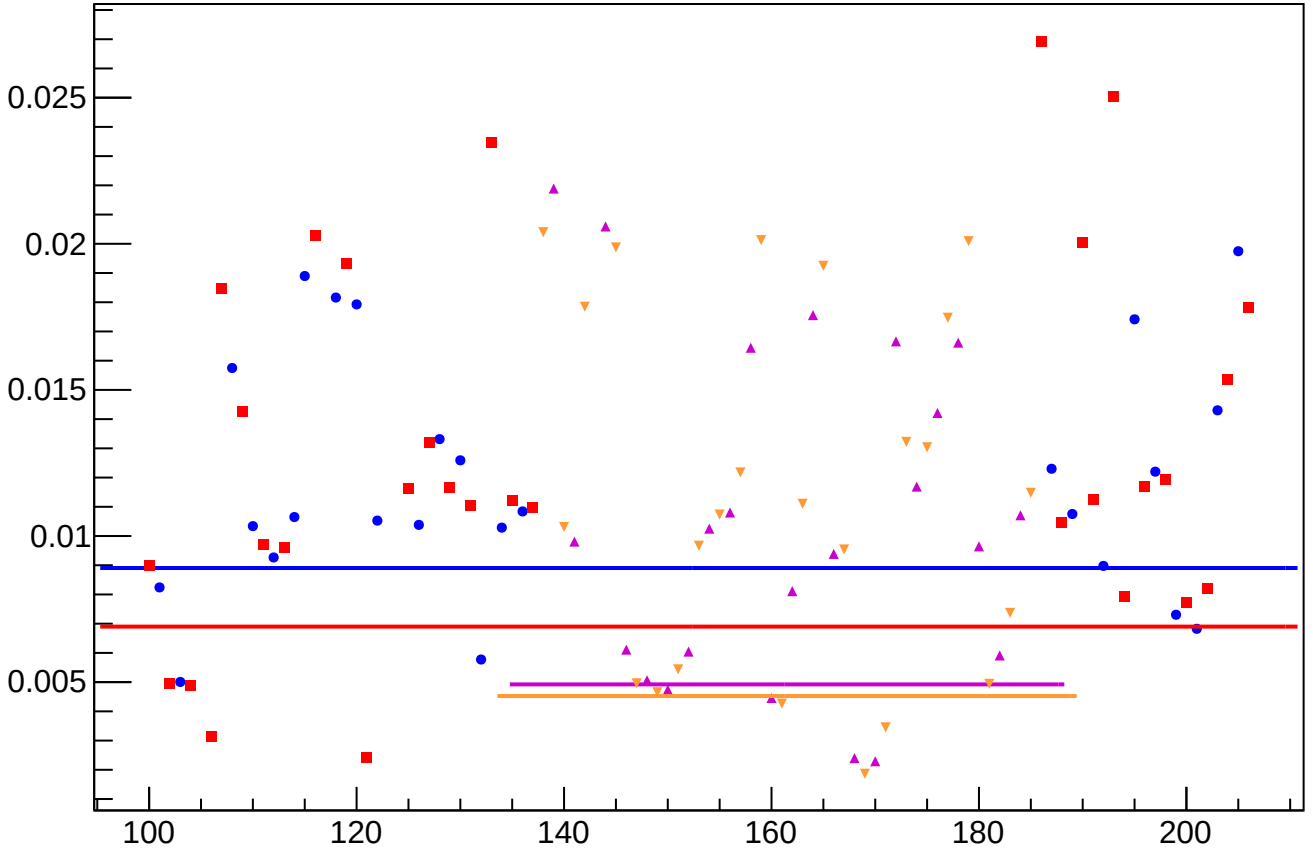
Right: -0.000+/-0.000 χ^2/NDF: 65.8/54

In: 0.000+/-0.000 χ^2/NDF:64.7/47

Out: -0.000+/-0.000 χ^2/NDF:65.0/53

All: -0.000+/-0.000 χ^2/NDF: 132.0/101

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3523003.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 9221115.9/29

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

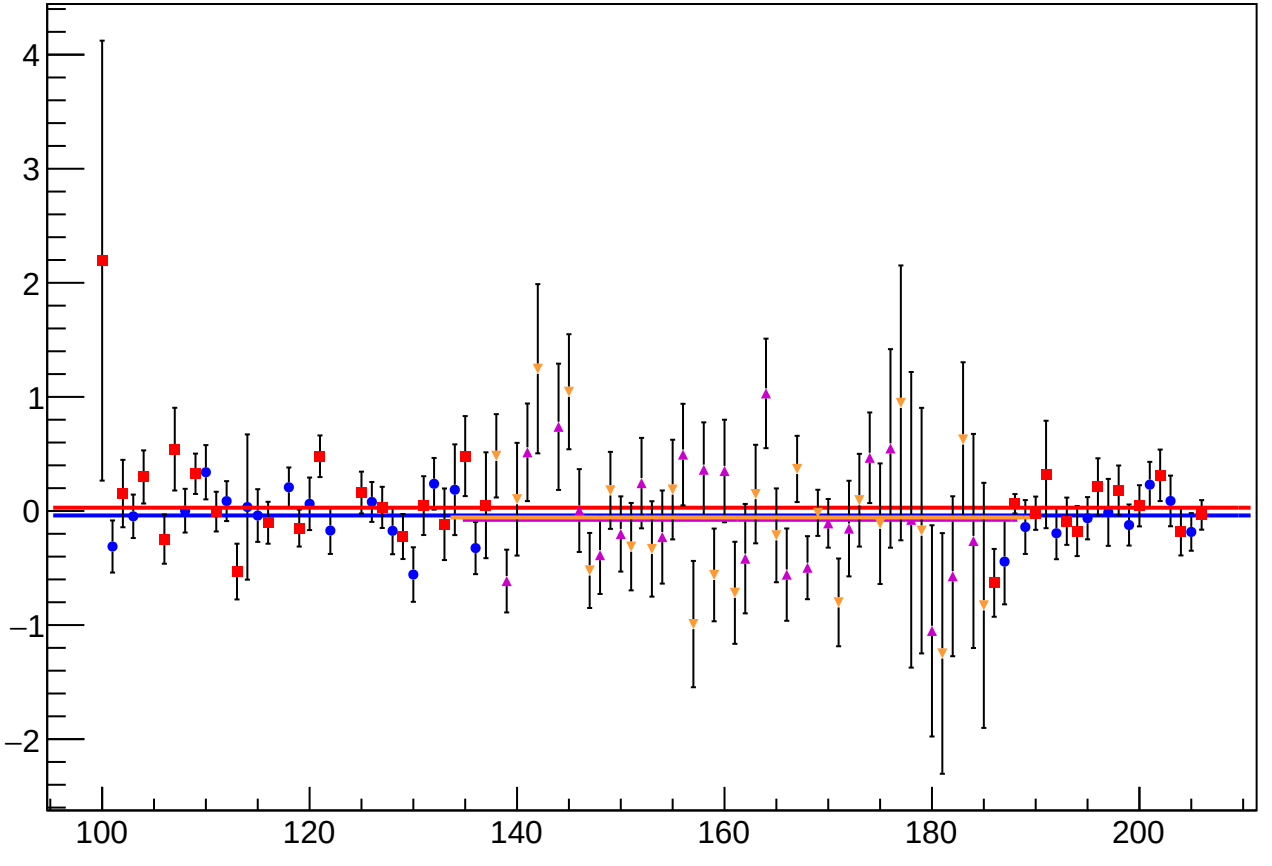
Right: 0.008+/-0.000 χ^2/NDF: 13461243.3/54

In: 0.006+/-0.000 χ^2/NDF:18664611.1/47

Out: 0.005+/-0.000 χ^2/NDF:25230247.1/53

All: 0.006+/-0.000 χ^2/NDF: 44174753.6/101

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

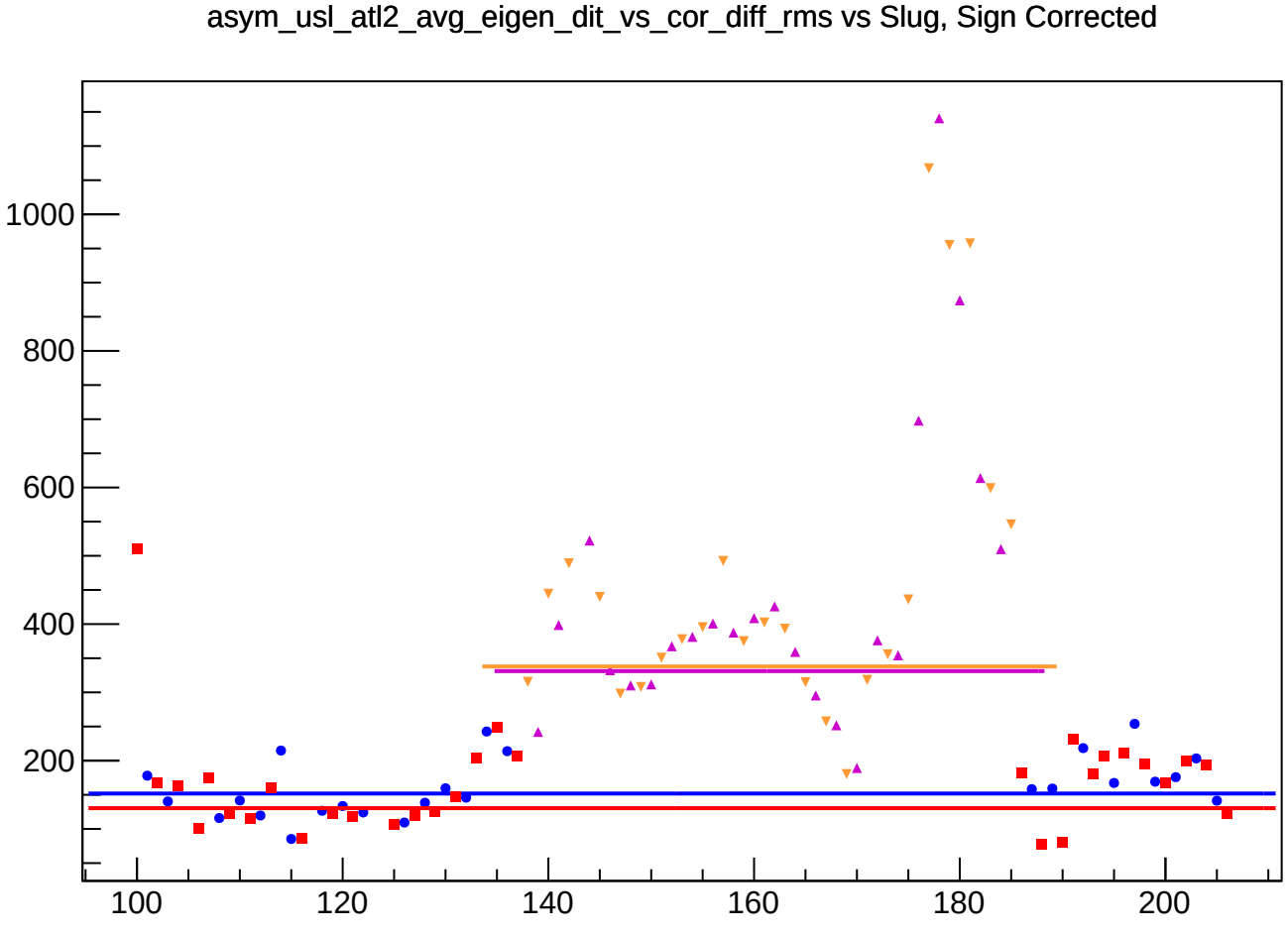
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.001+/-0.028 χ^2/NDF: 59.6/54

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.011+/-0.025 χ^2/NDF: 118.1/101



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

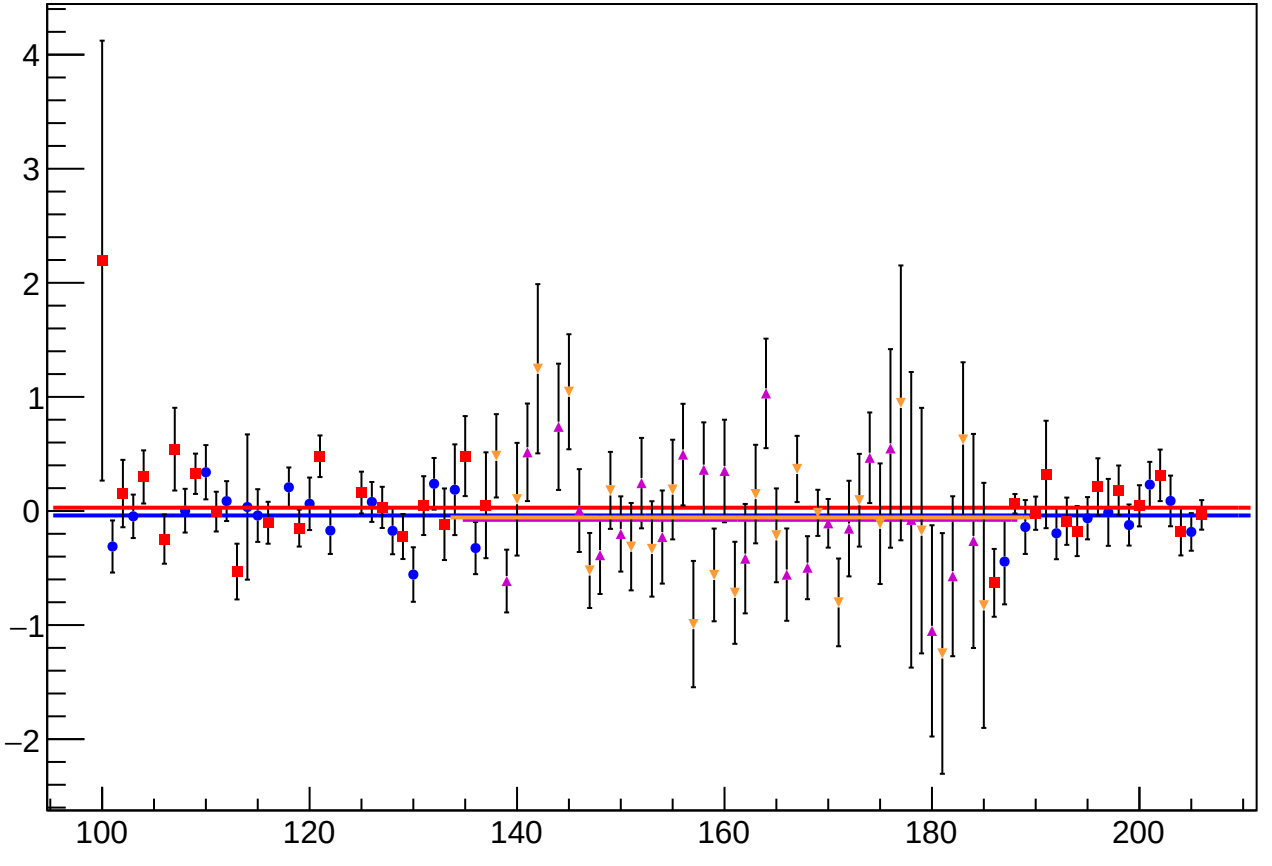
Right: 139.213+/-0.019 χ^2/NDF: 4923470.1/54

In: 189.633+/-0.027 χ^2/NDF:12826156.5/47

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 173.544+/-0.018 χ^2/NDF: 31190135.9/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

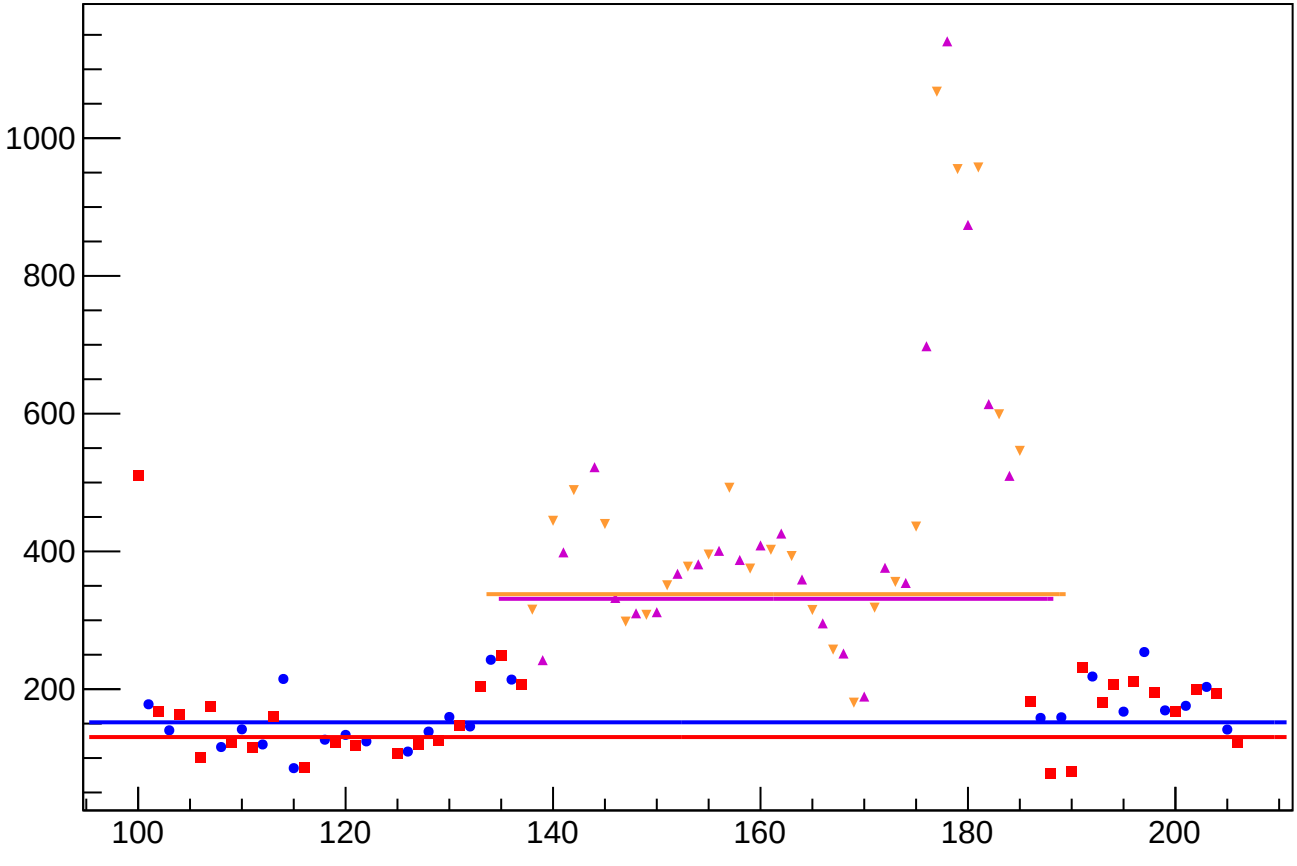
Right: 0.001+/-0.028 χ^2/NDF: 59.6/54

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.011+/-0.025 χ^2/NDF: 118.1/101

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

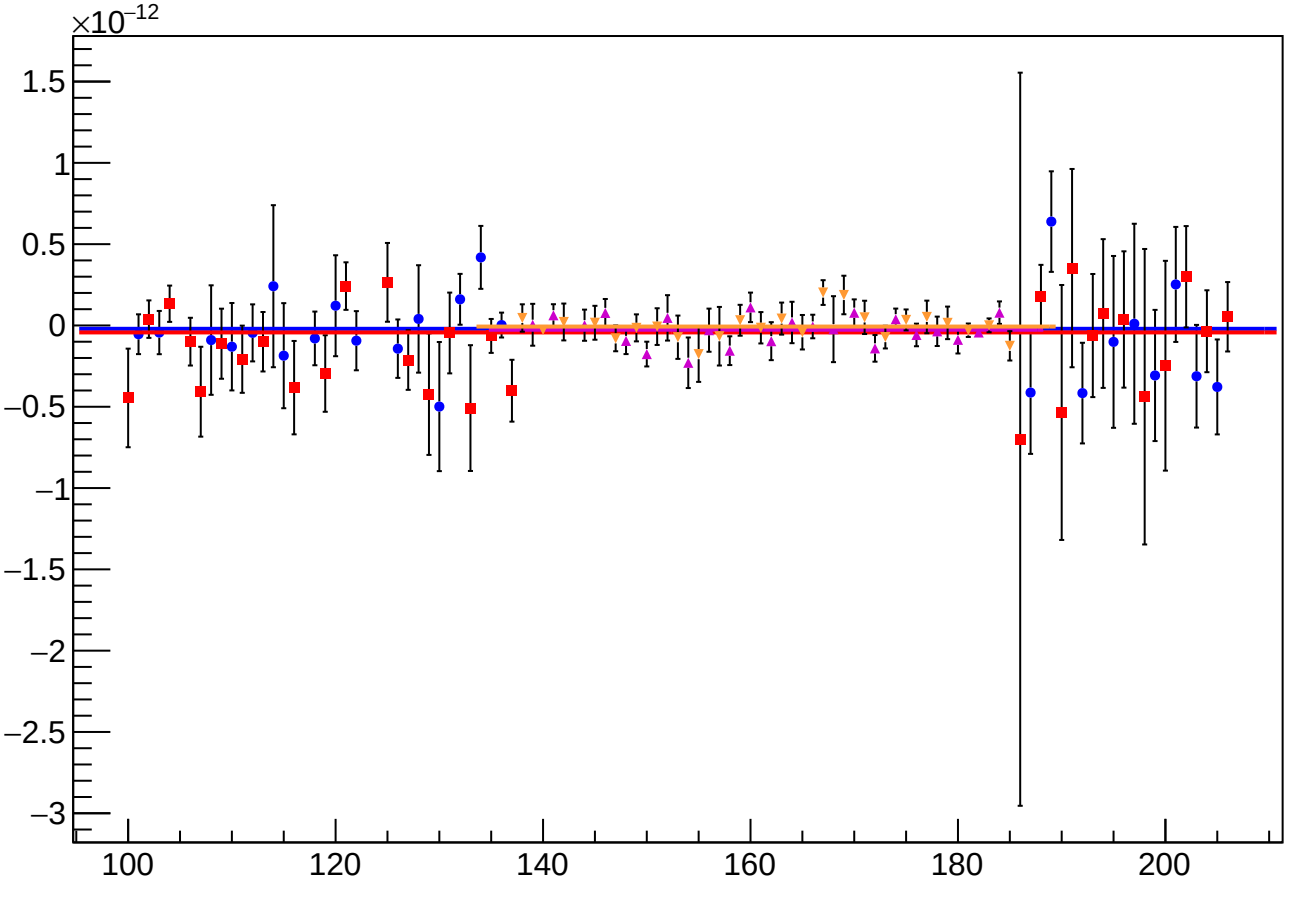
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 139.213+/-0.019 χ^2/NDF: 4923470.1/54

In: 189.633+/-0.027 χ^2/NDF:12826156.5/47

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 173.544+/-0.018 χ^2/NDF: 31190135.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

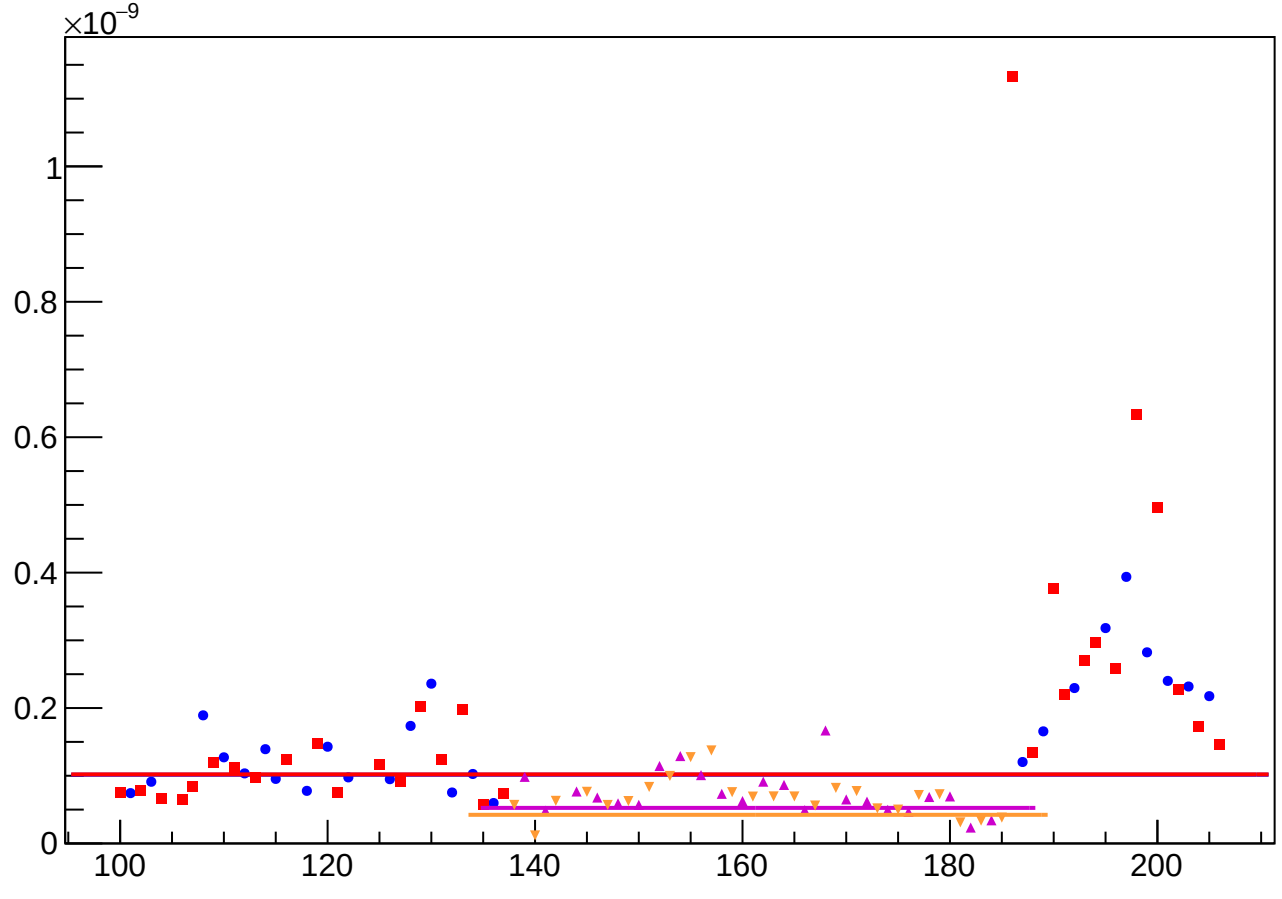
Right: -0.000+/-0.000 χ^2/NDF: 47.2/54

In: -0.000+/-0.000 χ^2/NDF:43.5/47

Out: -0.000+/-0.000 χ^2/NDF:45.2/53

All: -0.000+/-0.000 χ^2/NDF: 89.2/101

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3921856.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5133090.7/29

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

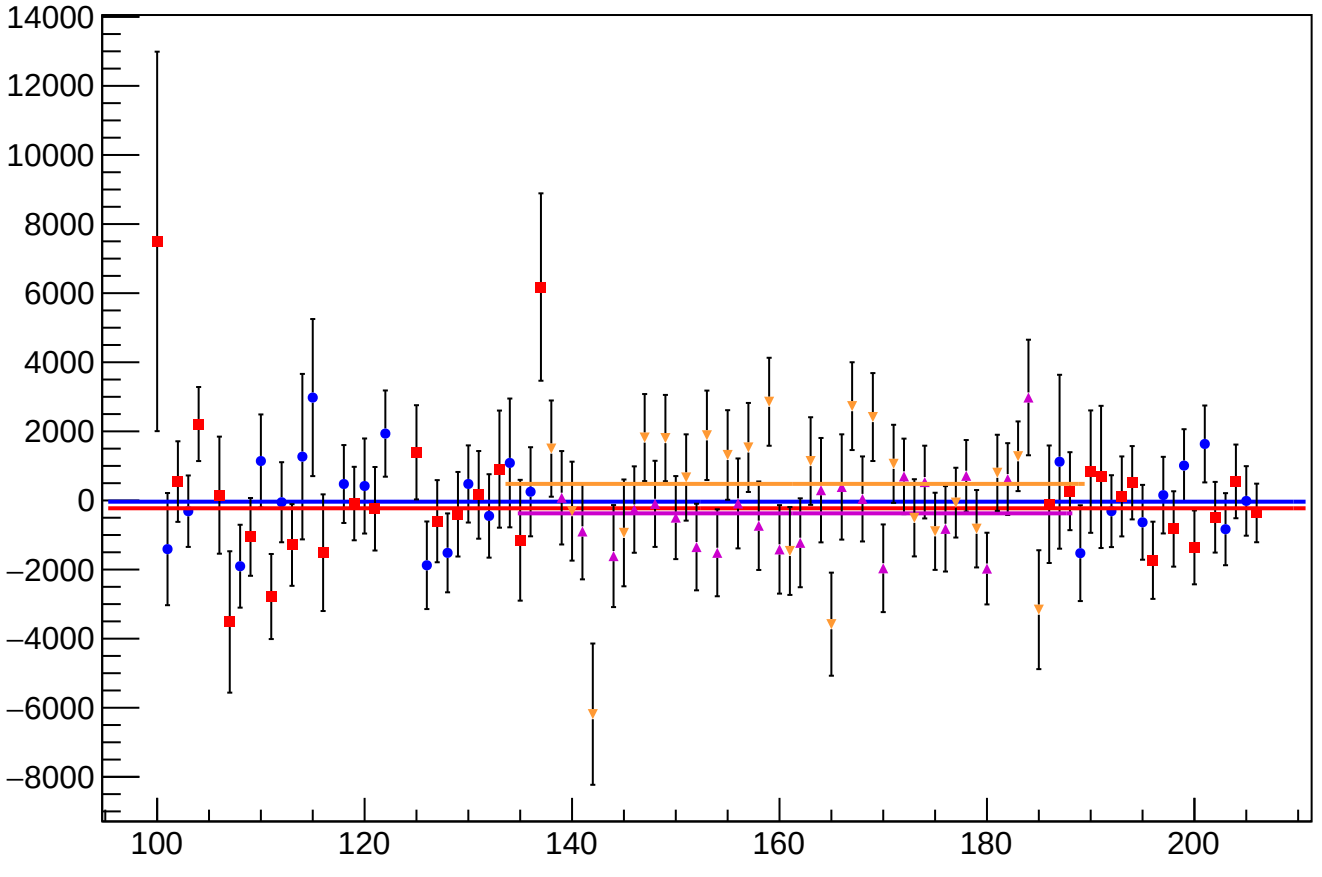
Right: 0.000+/-0.000 χ^2/NDF: 9055083.6/54

In: 0.000+/-0.000 χ^2/NDF:11400269.3/47

Out: 0.000+/-0.000 χ^2/NDF:16032044.8/53

All: 0.000+/-0.000 χ^2/NDF: 27910379.7/101

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -226.652+/-231.139 χ^2/NDF: 29.6/29

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

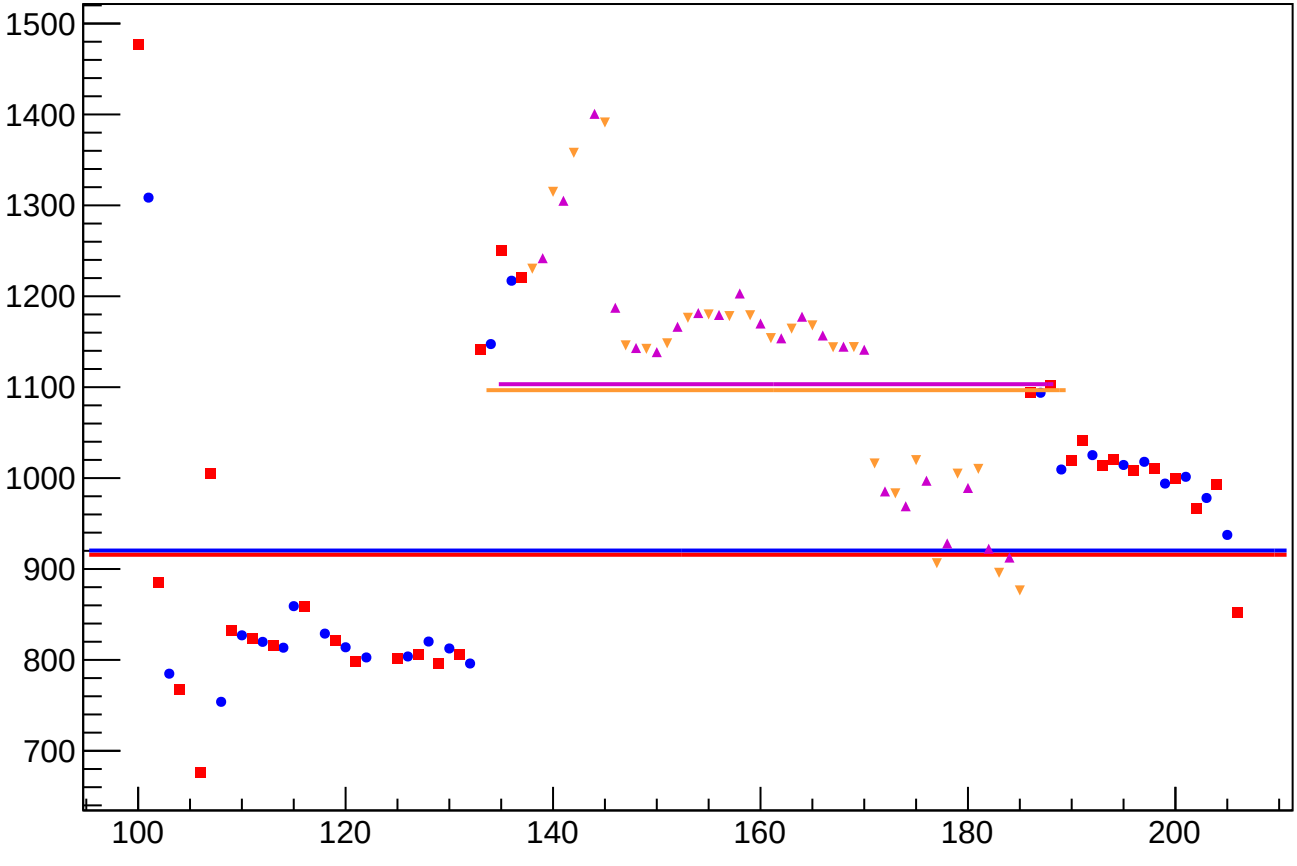
Right: -137.726+/-169.036 χ^2/NDF: 48.9/54

In: -196.575+/-179.168 χ^2/NDF:35.9/47

Out: 90.054+/-171.657 χ^2/NDF:78.9/53

All: -47.126+/-123.950 χ^2/NDF: 116.2/101

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 920.315+/-0.175 χ^2/NDF: 563668.8/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 915.654+/-0.162 χ^2/NDF: 597819.9/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

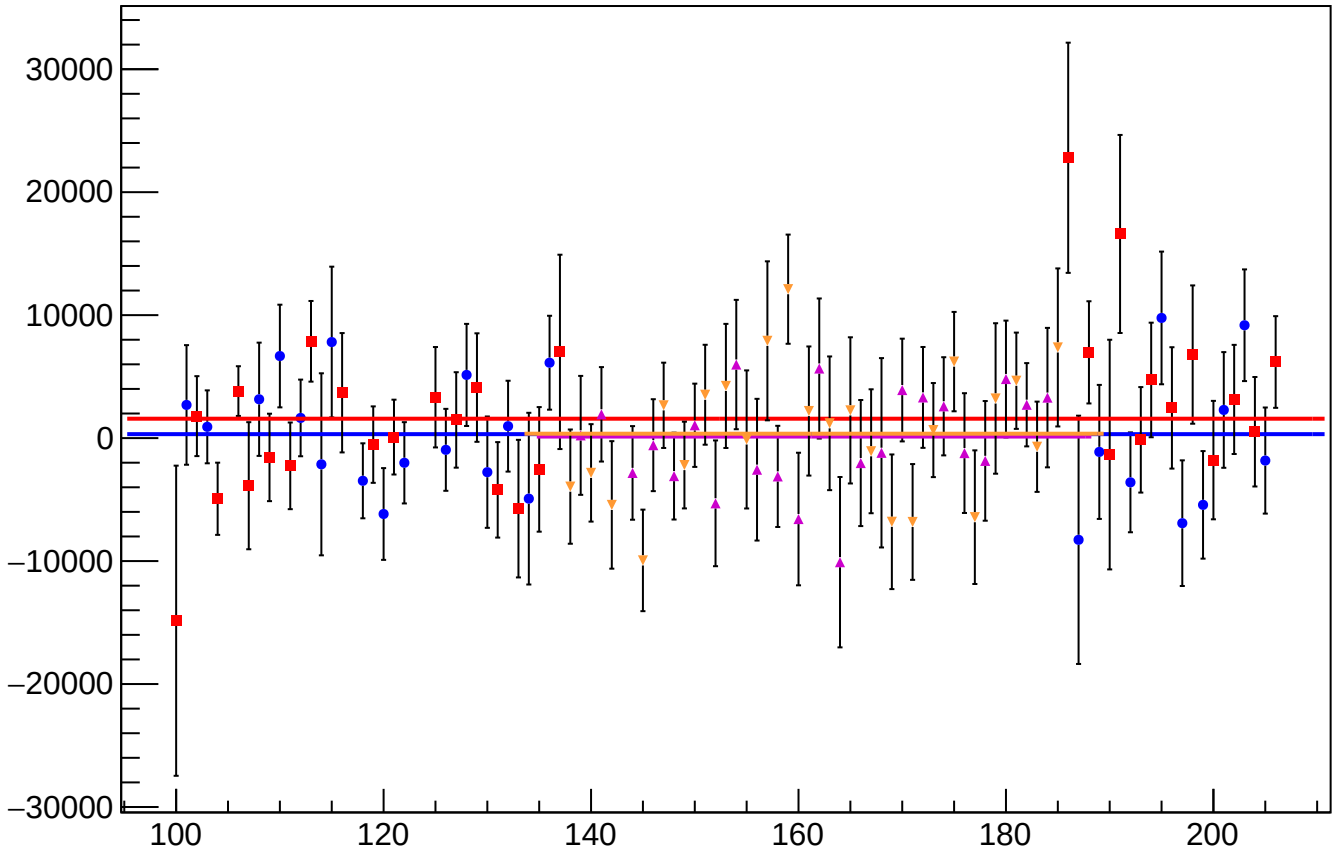
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 917.807+/-0.119 χ^2/NDF: 1161869.3/54

In: 1007.660+/-0.127 χ^2/NDF:1531560.6/47

Out: 996.273+/-0.121 χ^2/NDF:1631853.2/53

All: 1001.703+/-0.087 χ^2/NDF: 3167640.1/10



Right In: 321.800+/-840.677 χ^2/NDF: 27.5/24

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1577.546+/-740.804 χ^2/NDF: 35.2/29

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

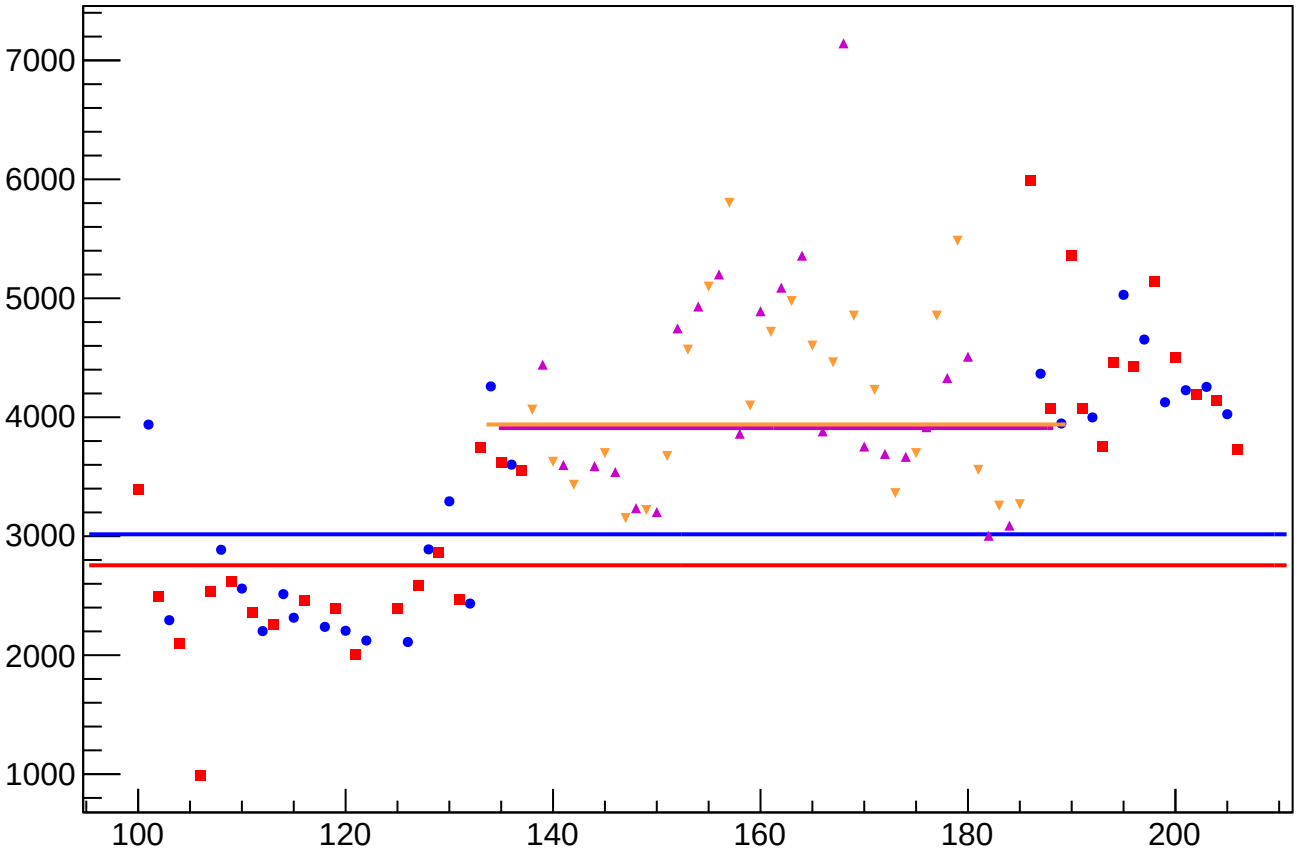
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 1028.660+/-555.801 χ^2/NDF: 63.9/54

In: 234.339+/-624.439 χ^2/NDF:41.2/47

Out: 1106.637+/-580.457 χ^2/NDF:66.5/53

All: 702.287+/-425.144 χ^2/NDF: 108.8/101



Right In: 3016.101+/-0.594 χ^2/NDF: 2290411.3/24

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2755.701+/-0.524 χ^2/NDF: 4469058.7/29

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

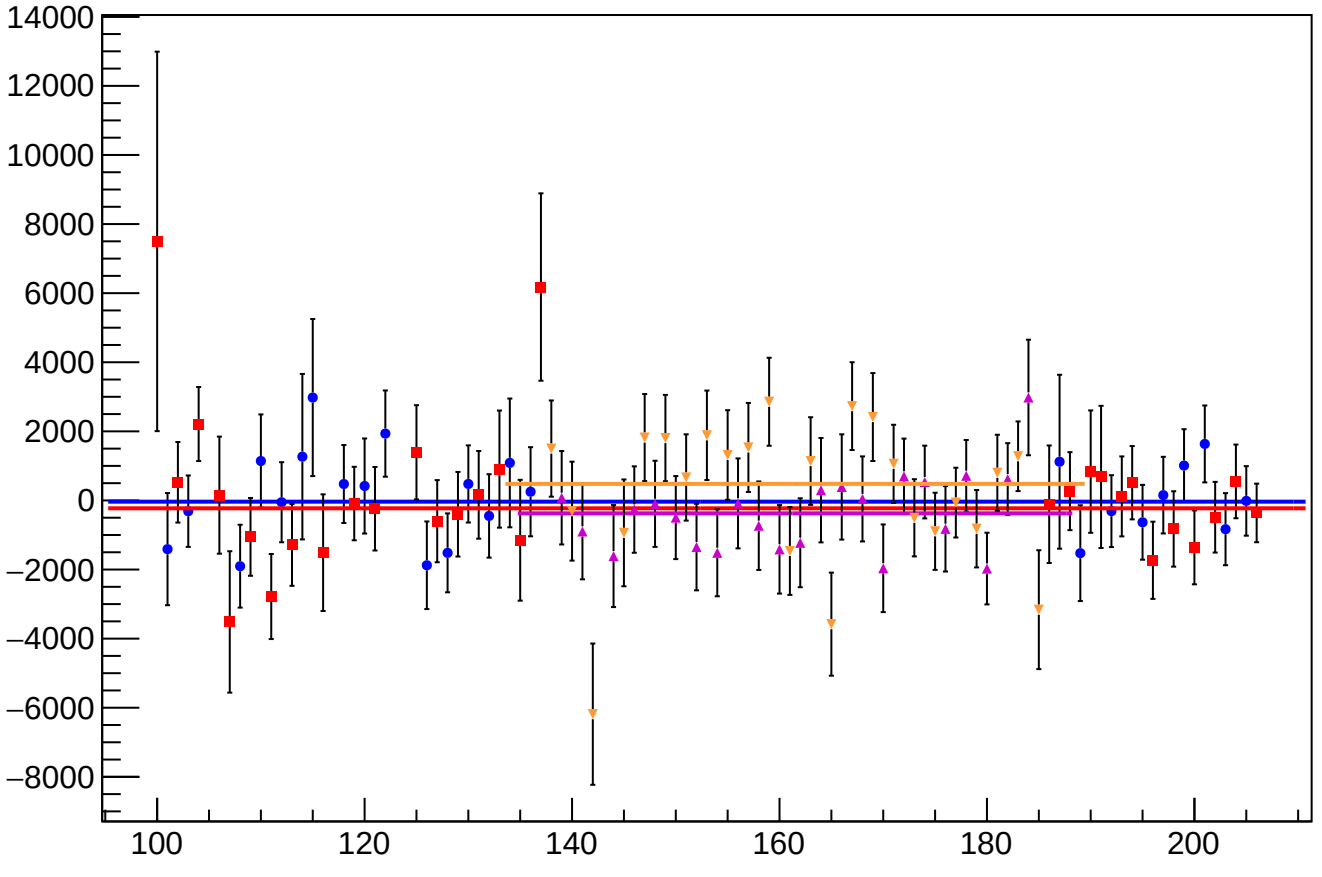
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2869.521+/-0.393 χ^2/NDF: 6867485.0/54

In: 3416.427+/-0.442 χ^2/NDF:4602887.8/47

Out: 3212.613+/-0.410 χ^2/NDF:7532541.9/53

All: 3307.090+/-0.301 χ^2/NDF: 12249730.4/1



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -227.507+/-231.141 χ^2/NDF: 29.6/29

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

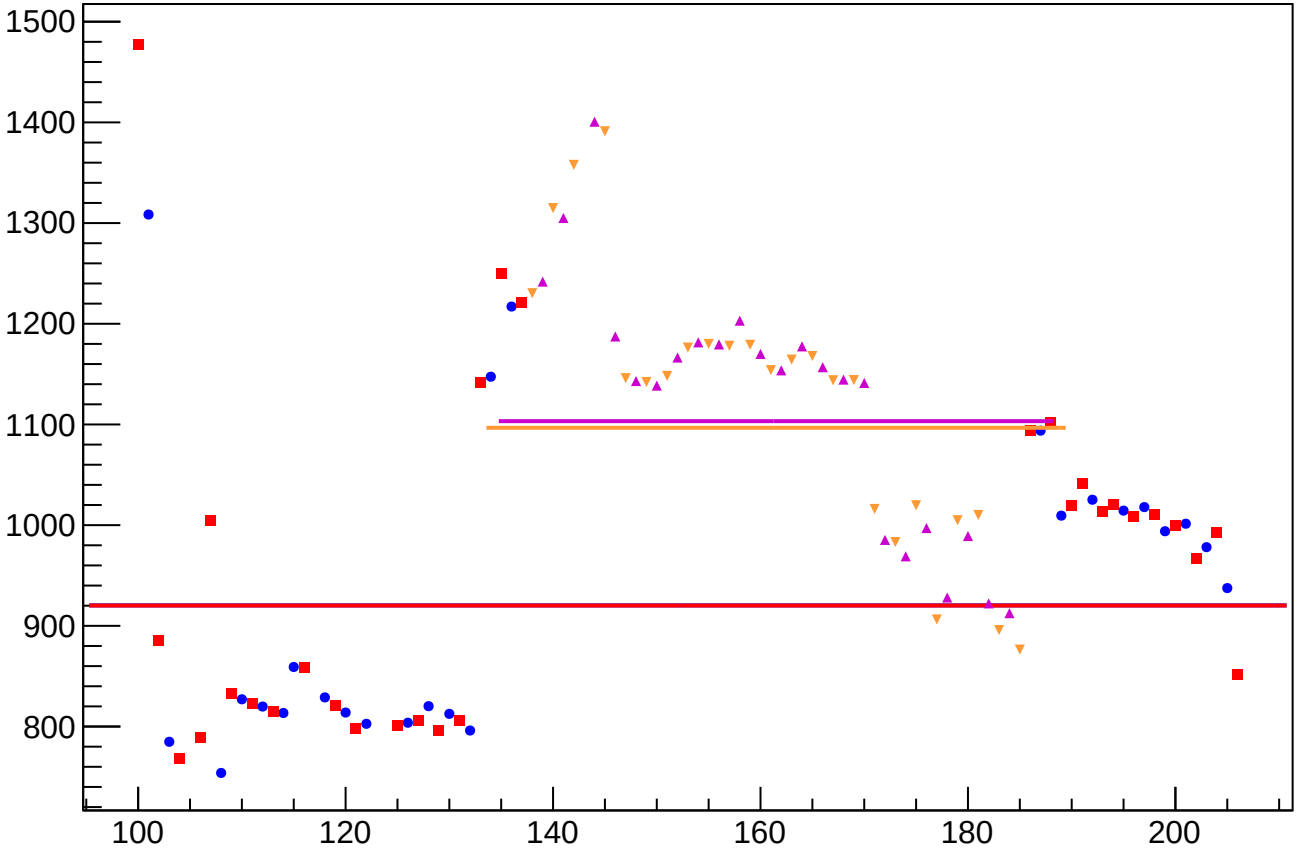
Right: -138.183+/-169.036 χ^2/NDF: 48.8/54

In: -196.562+/-179.168 χ^2/NDF:35.9/47

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -47.359+/-123.950 χ^2/NDF: 116.2/101

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

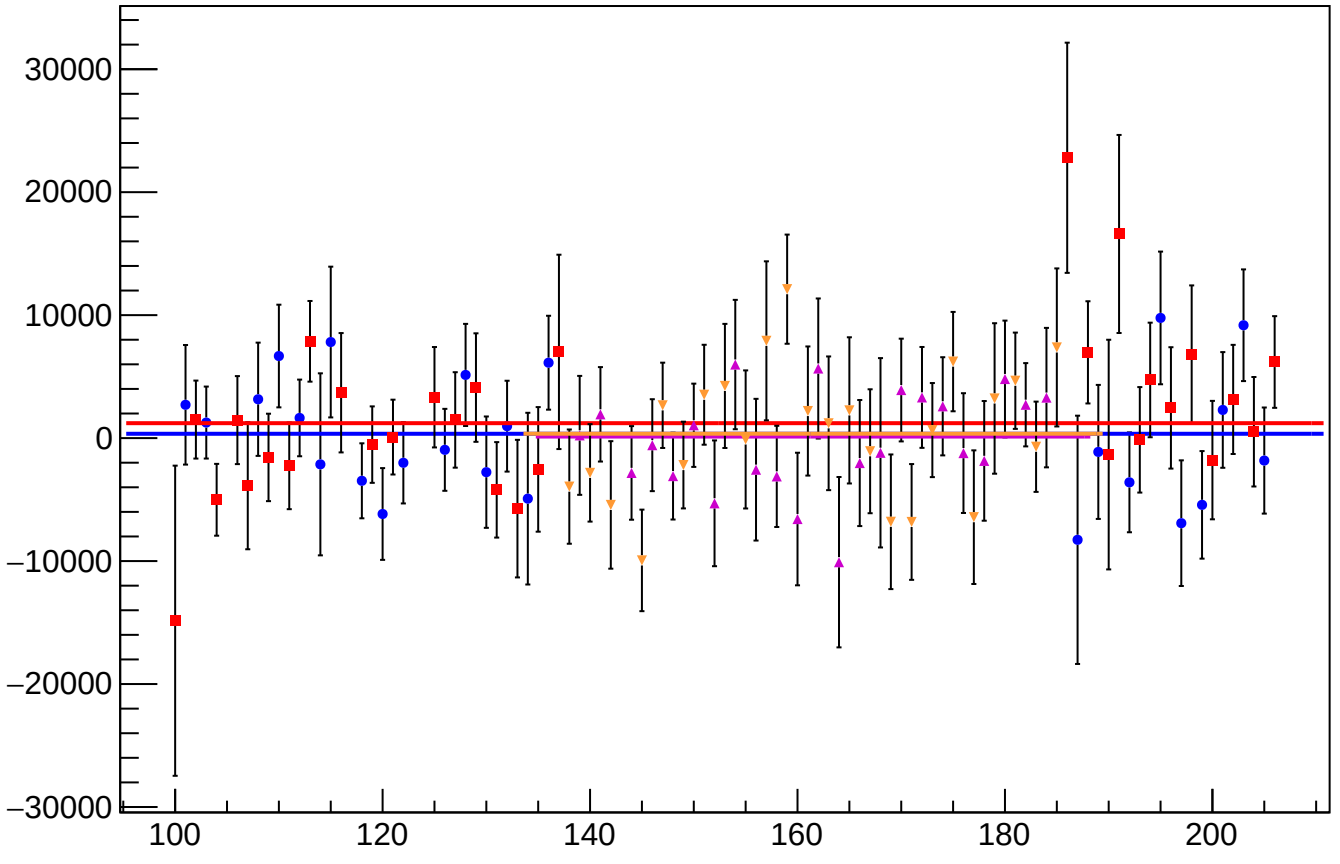
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 920.245+/-0.119 χ^2/NDF: 1106971.4/54

In: 1007.660+/-0.127 χ^2/NDF:1531560.7/47

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 1003.199+/-0.088 χ^2/NDF: 3082148.2/10



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1214.580+/-775.762 χ^2/NDF: 33.9/29

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

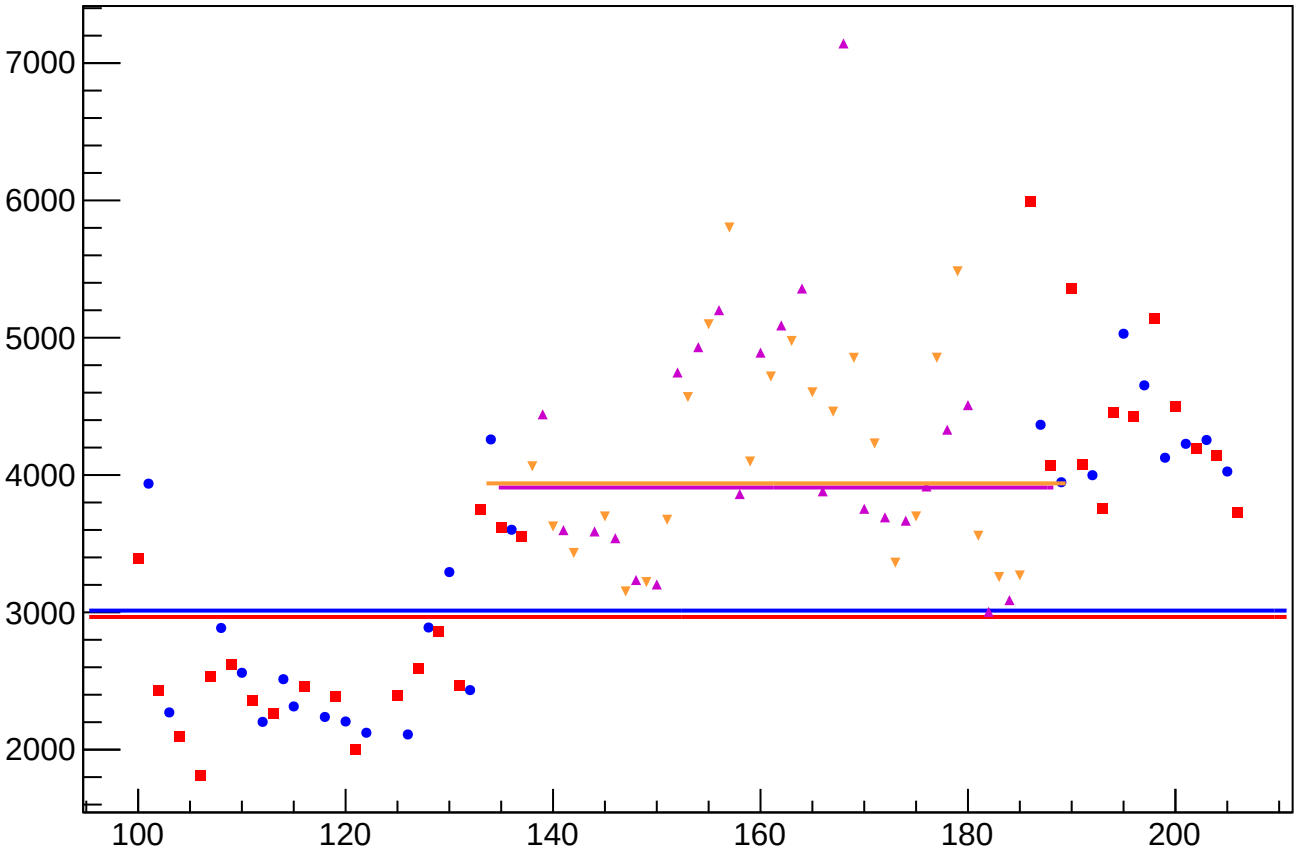
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

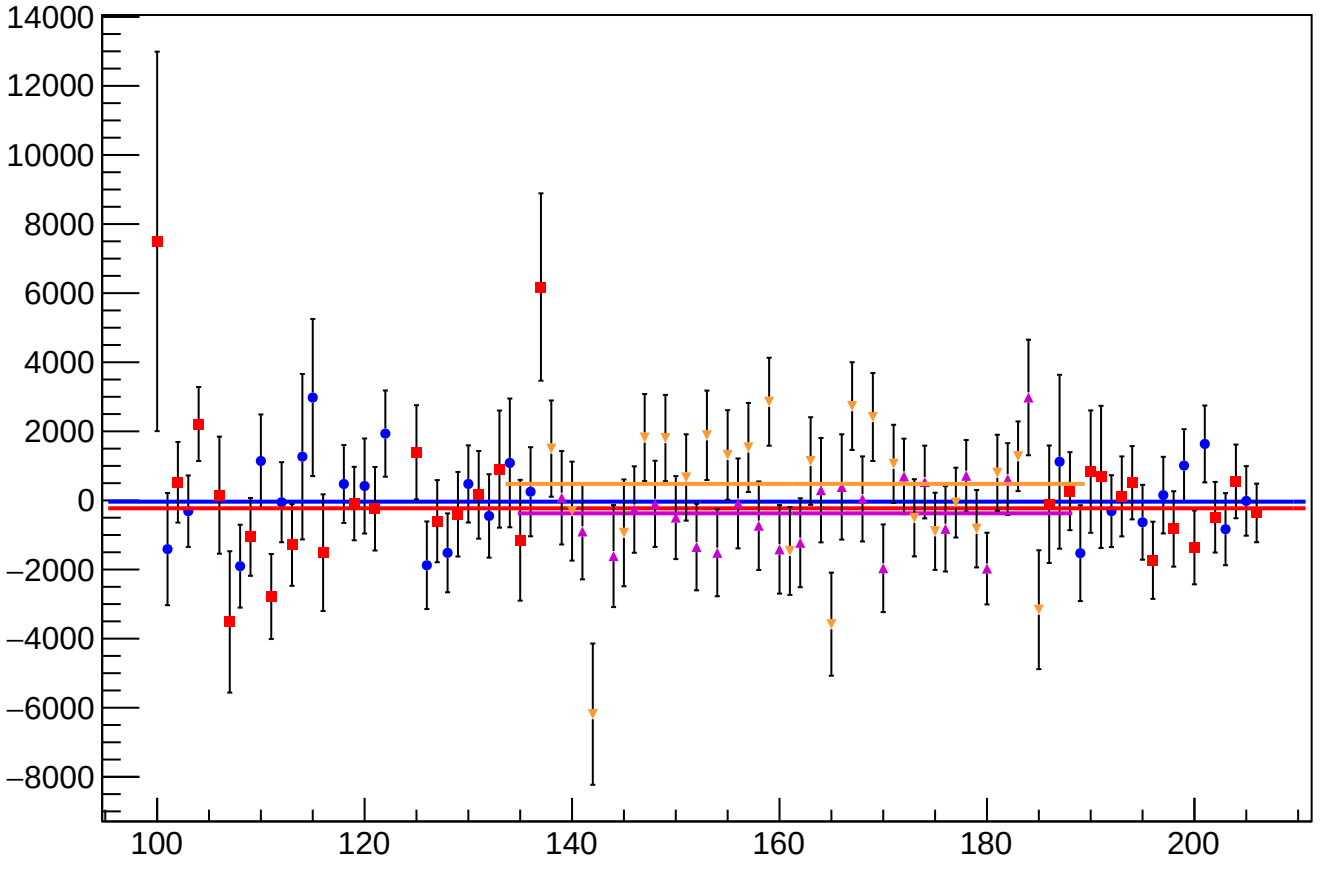
Right: 817.415+/-569.835 χ^2/NDF: 62.0/54

In: 251.094+/-624.068 χ^2/NDF:41.3/47

Out: 864.880+/-596.822 χ^2/NDF:64.7/53

All: 571.678+/-431.327 χ^2/NDF: 106.5/101


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3012.645+/-0.594 χ²/NDF: 2301328.3/24
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2966.242+/-0.549 χ²/NDF: 2942165.2/29
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 2987.607+/-0.403 χ²/NDF: 5246788.3/54
In: 3414.042+/-0.441 χ²/NDF:4622629.0/47
Out: 3363.354+/-0.422 χ²/NDF:5318955.6/53
All: 3387.567+/-0.305 χ²/NDF: 9948475.7/10



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -227.507+/-231.141 χ^2/NDF: 29.6/29

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

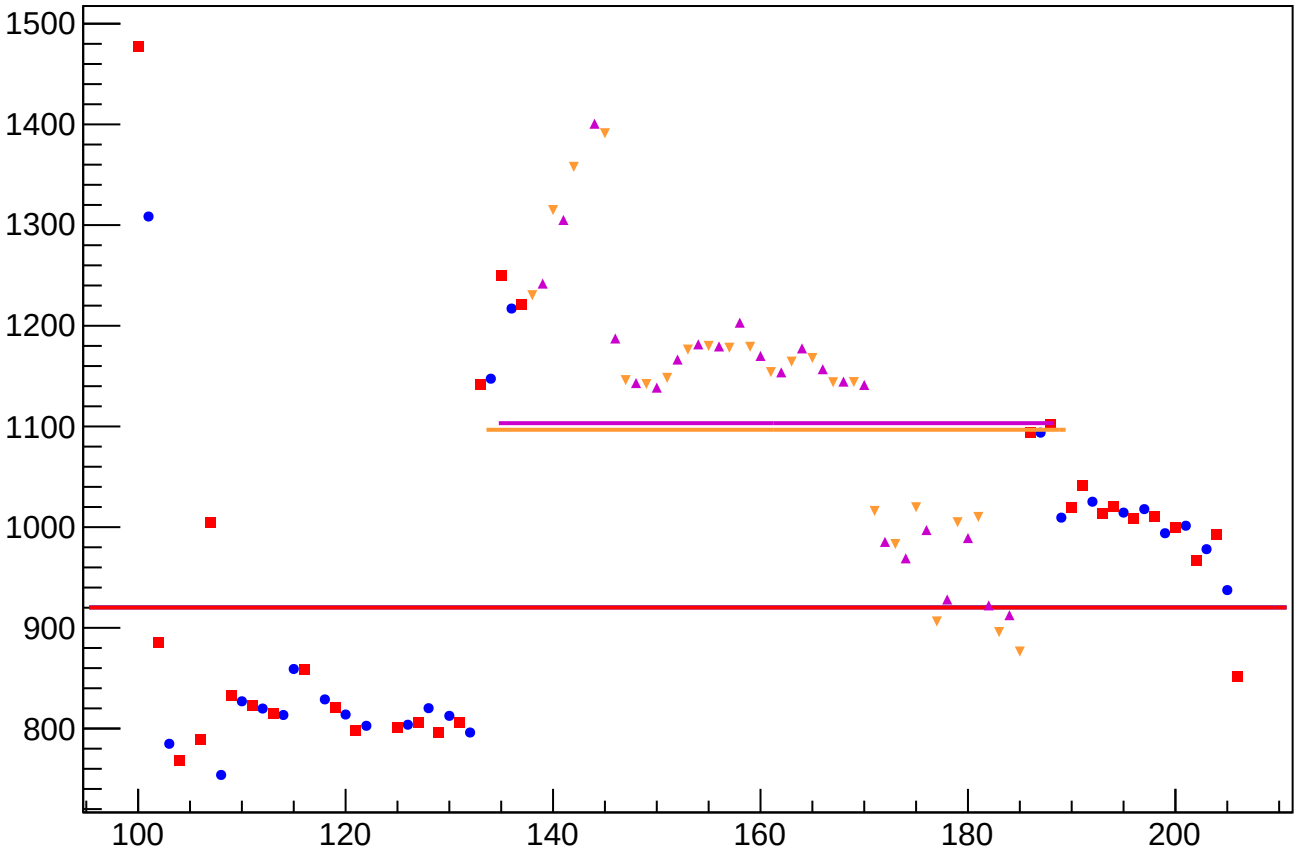
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -138.183+/-169.036 χ^2/NDF: 48.8/54

In: -196.562+/-179.168 χ^2/NDF:35.9/47

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -47.359+/-123.950 χ^2/NDF: 116.2/101



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

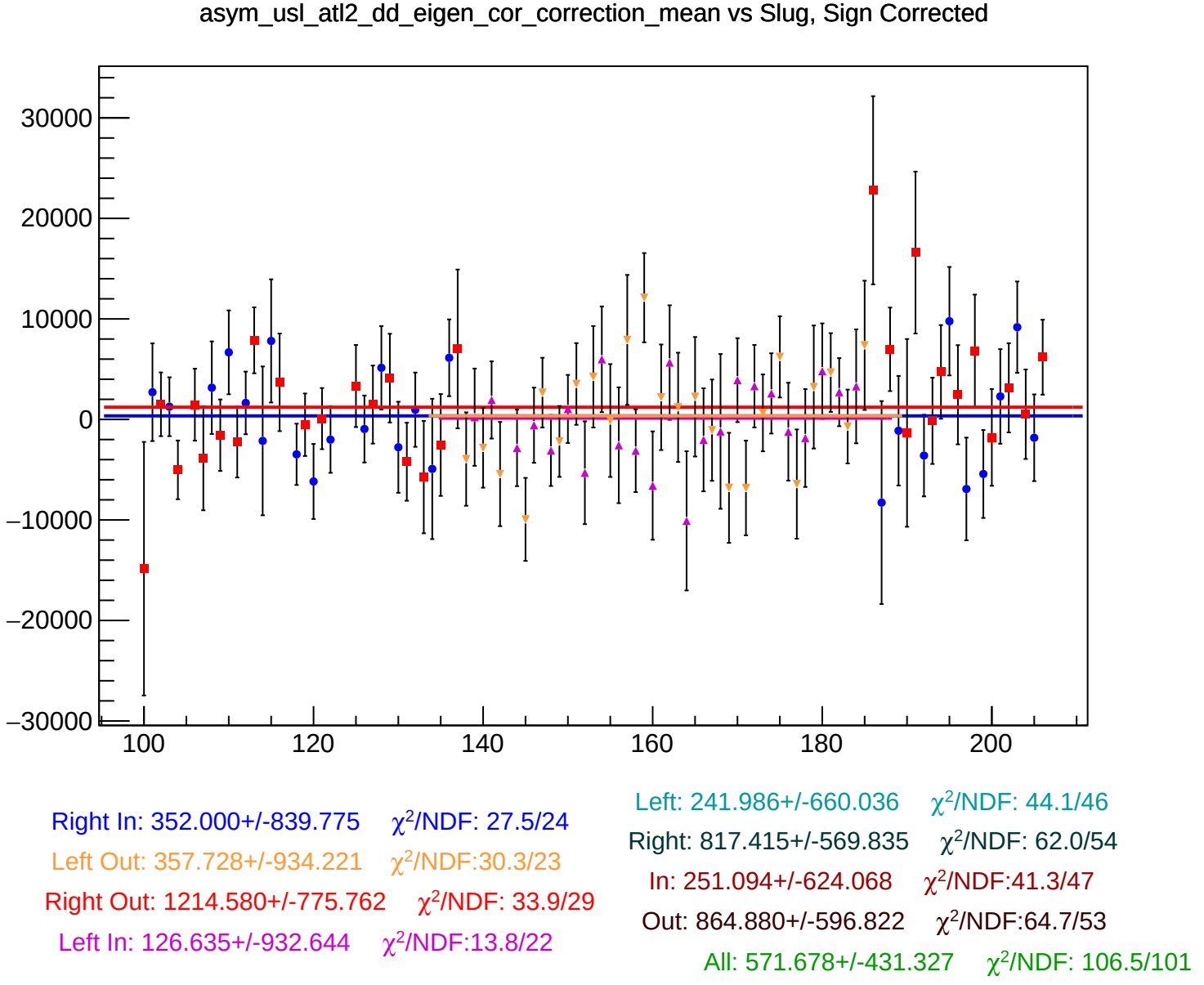
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 920.245+/-0.119 χ^2/NDF: 1106971.4/54

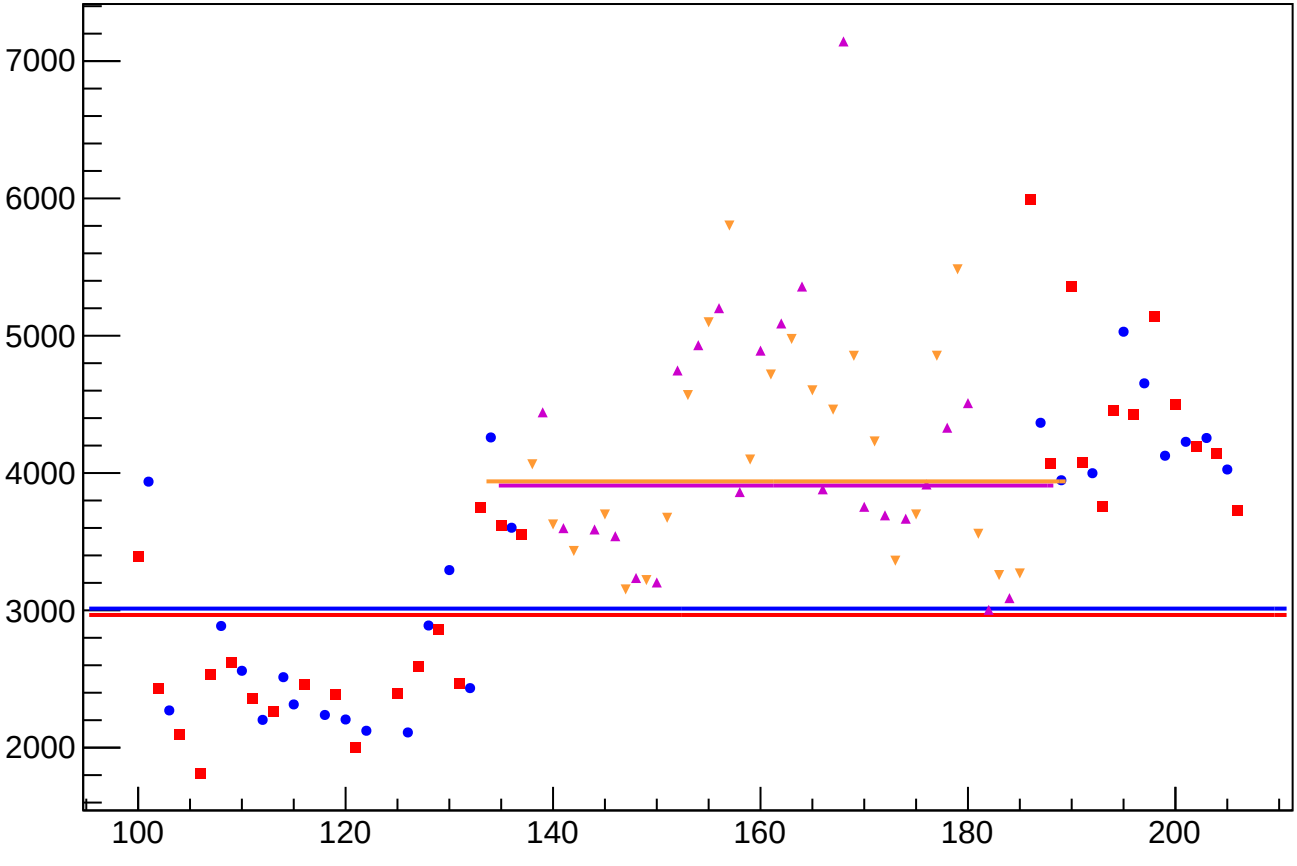
In: 1007.660+/-0.127 χ^2/NDF:1531560.7/47

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 1003.199+/-0.088 χ^2/NDF: 3082148.2/10


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 352.000+/-839.775 χ²/NDF: 27.5/24
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 1214.580+/-775.762 χ²/NDF: 33.9/29
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 817.415+/-569.835 χ²/NDF: 62.0/54
In: 251.094+/-624.068 χ²/NDF:41.3/47
Out: 864.880+/-596.822 χ²/NDF:64.7/53
All: 571.678+/-431.327 χ²/NDF: 106.5/101

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

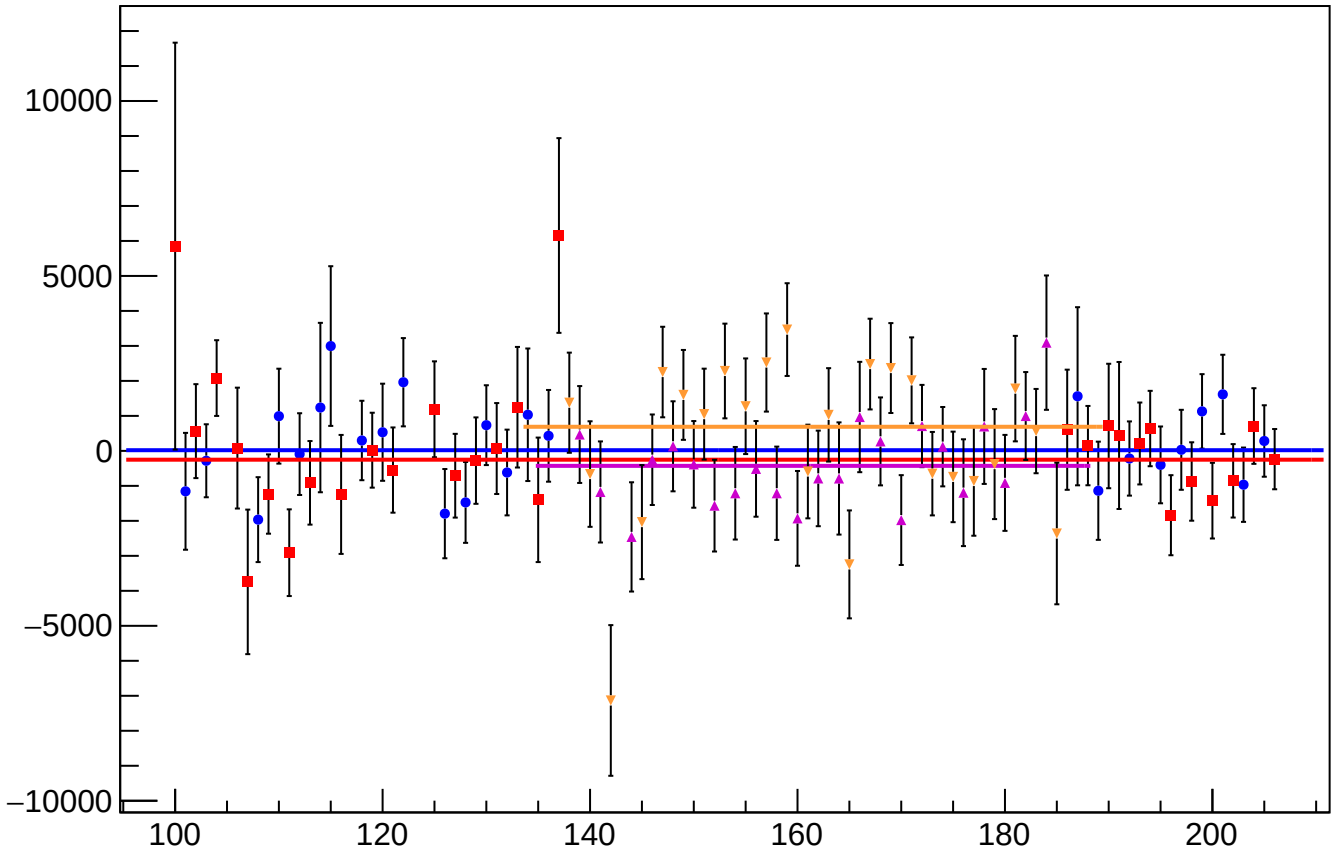
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2987.607+/-0.403 χ^2/NDF: 5246788.3/54

In: 3414.042+/-0.441 χ^2/NDF:4622629.0/47

Out: 3363.354+/-0.422 χ^2/NDF:5318955.6/53

All: 3387.567+/-0.305 χ^2/NDF: 9948475.7/10



Right In: 19.405+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -252.006+/-235.242 χ^2/NDF: 29.1/29

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

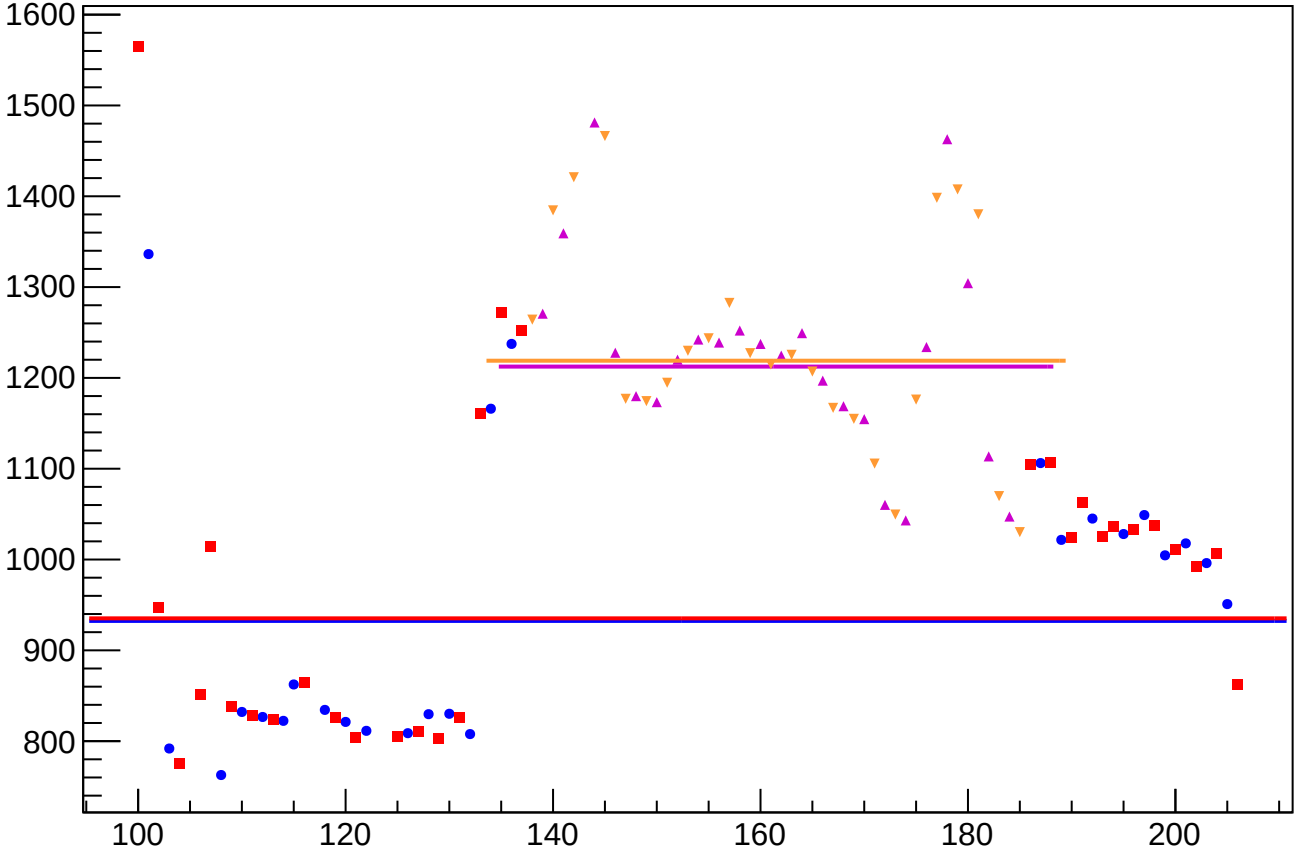
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -125.250+/-171.739 χ^2/NDF: 48.0/54

In: -176.797+/-188.313 χ^2/NDF:34.3/47

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -17.383+/-130.594 χ^2/NDF: 117.0/101



Right In: 932.417+/-0.178 χ^2/NDF: 586372.2/24

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554723.3/29

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

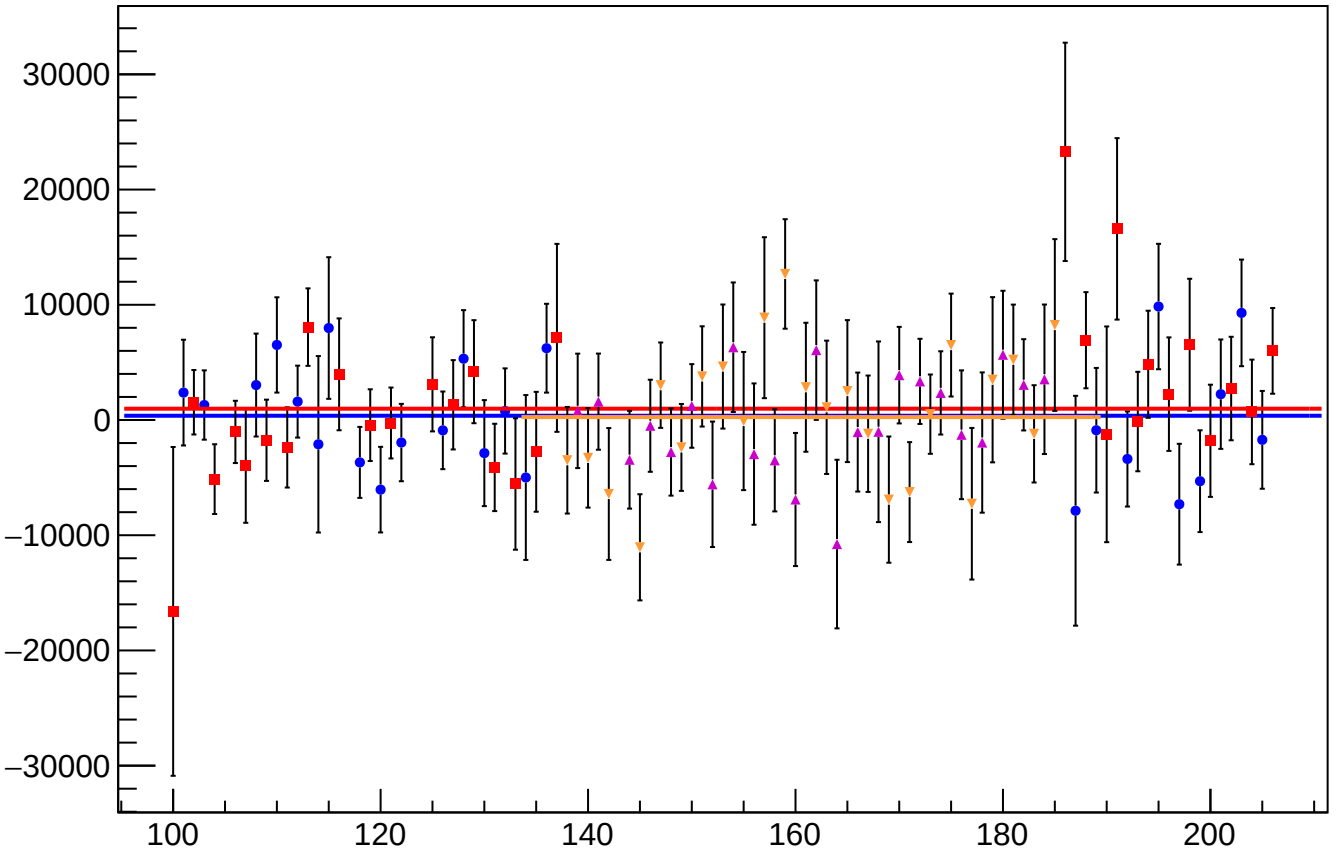
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 933.913+/-0.121 χ^2/NDF: 1141228.5/54

In: 1055.205+/-0.133 χ^2/NDF:1935613.1/47

Out: 1050.412+/-0.128 χ^2/NDF:2030867.4/53

All: 1052.716+/-0.092 χ^2/NDF: 3967153.4/10



Right In: 369.526+/-844.632 χ^2/NDF: 27.2/24

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 980.937+/-760.002 χ^2/NDF: 34.5/29

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

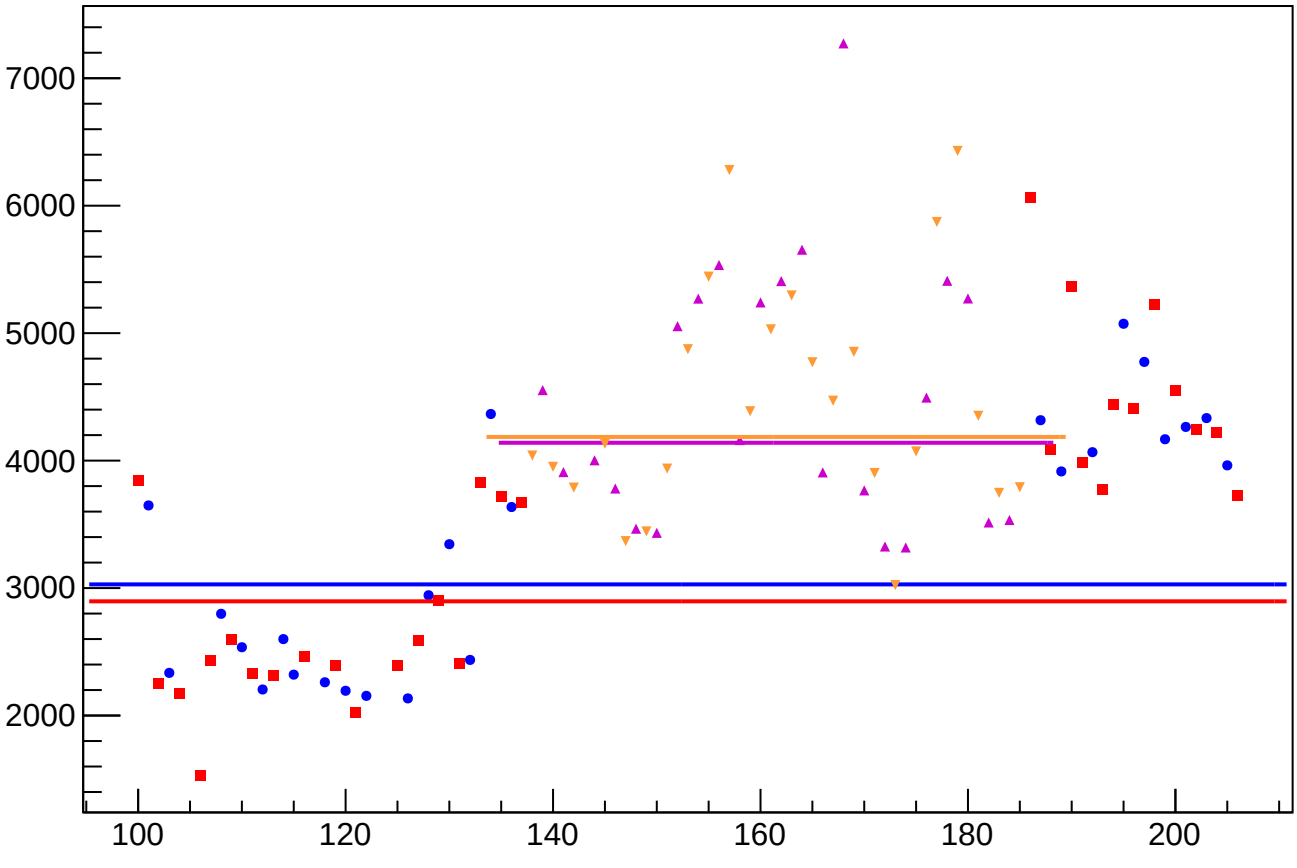
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 707.388+/-564.960 χ^2/NDF: 62.1/54

In: 326.018+/-642.577 χ^2/NDF:40.7/47

Out: 712.702+/-604.005 χ^2/NDF:64.5/53

All: 531.313+/-440.101 χ^2/NDF: 105.4/101



Right In: 3028.972+/-0.597 χ^2/NDF: 2273200.3/24

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2895.996+/-0.537 χ^2/NDF: 3381350.8/29

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

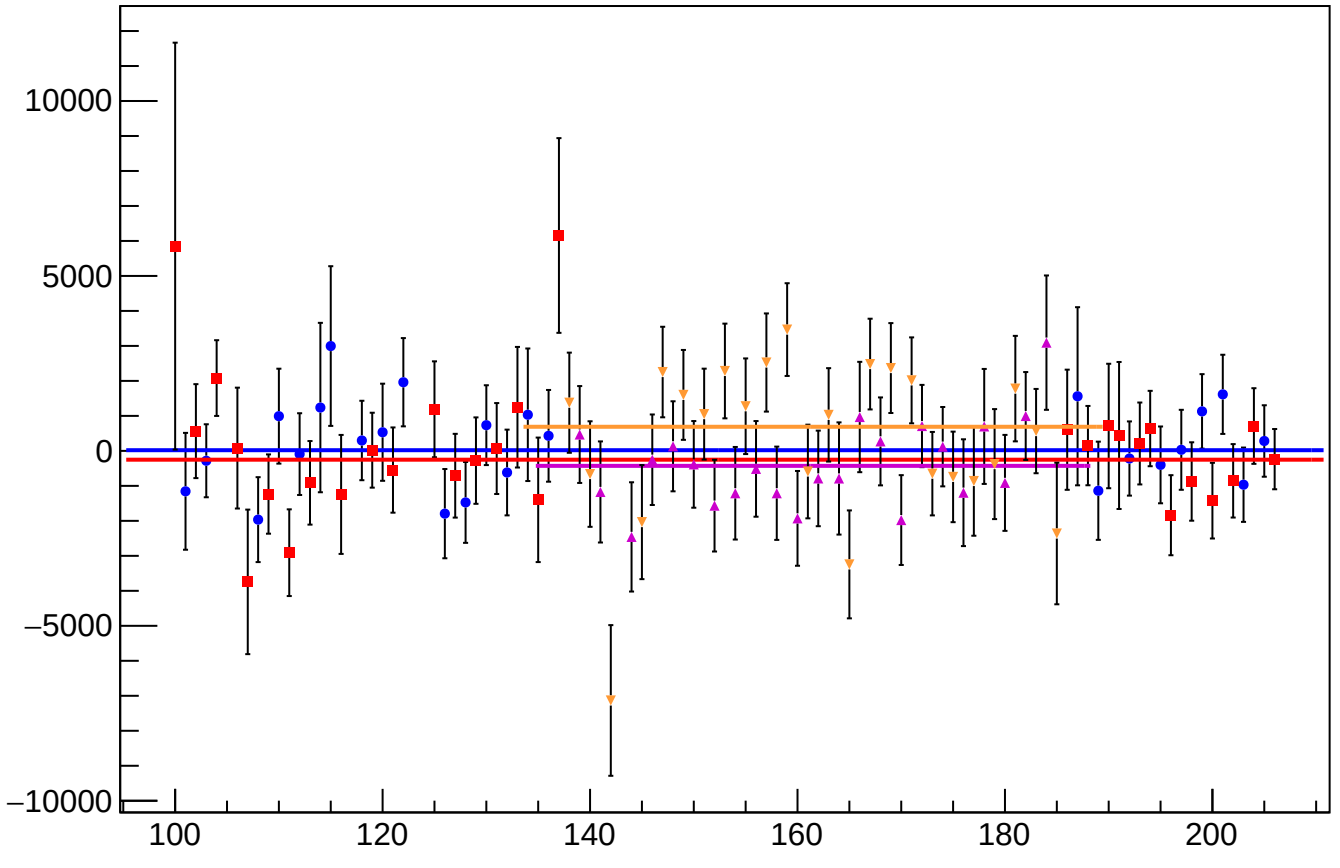
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2955.490+/-0.399 χ^2/NDF: 5681944.3/54

In: 3496.979+/-0.454 χ^2/NDF:5180905.0/47

Out: 3371.090+/-0.427 χ^2/NDF:6774155.9/53

All: 3430.143+/-0.311 χ^2/NDF: 11995815.6/1



Right In: 19.406+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -252.007+/-235.242 χ^2/NDF: 29.1/29

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

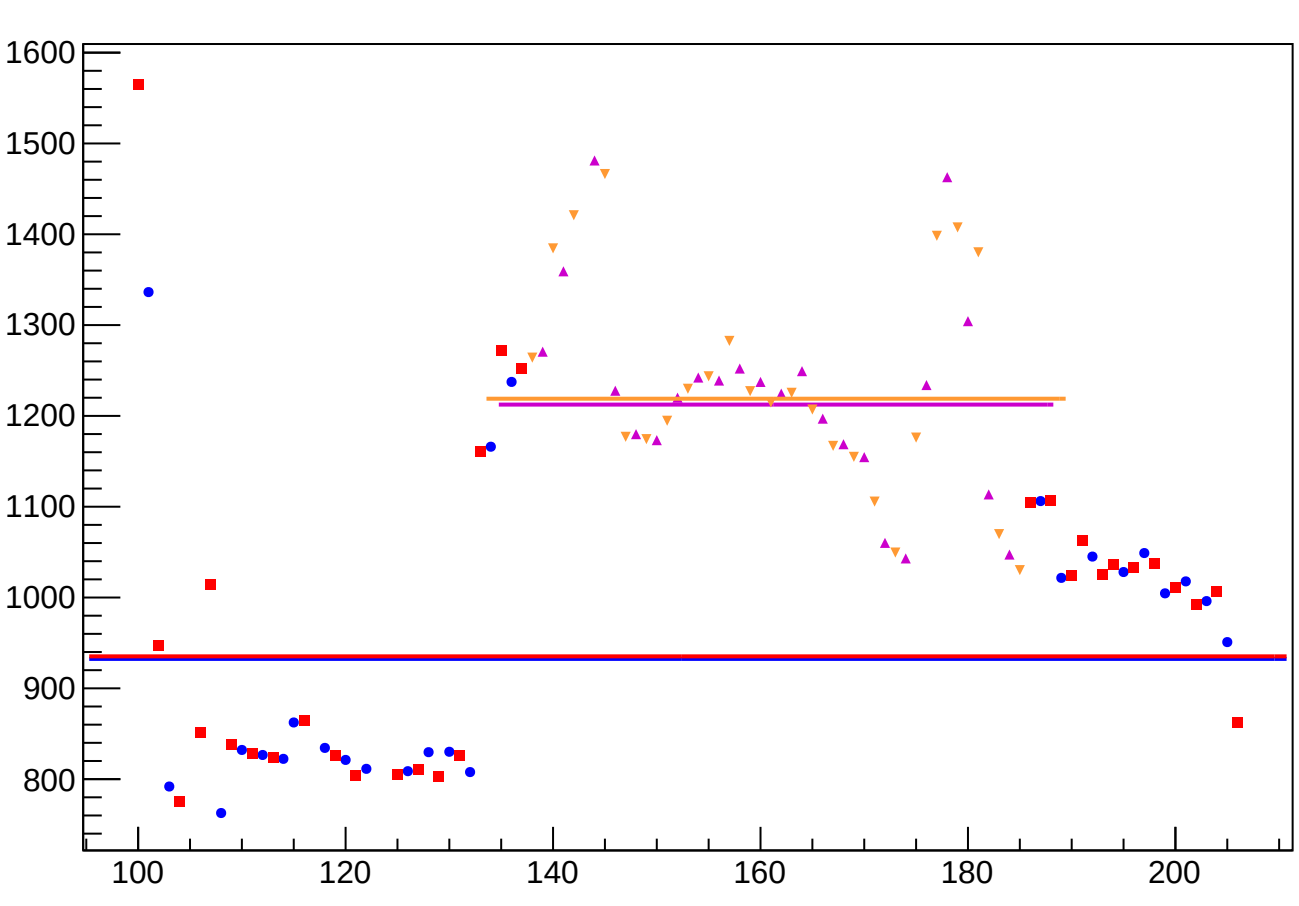
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -125.250+/-171.739 χ^2/NDF: 48.0/54

In: -176.795+/-188.313 χ^2/NDF:34.3/47

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -17.382+/-130.594 χ^2/NDF: 117.0/101



Right In: 932.417+/-0.178 χ^2/NDF: 586372.3/24

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554724.0/29

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

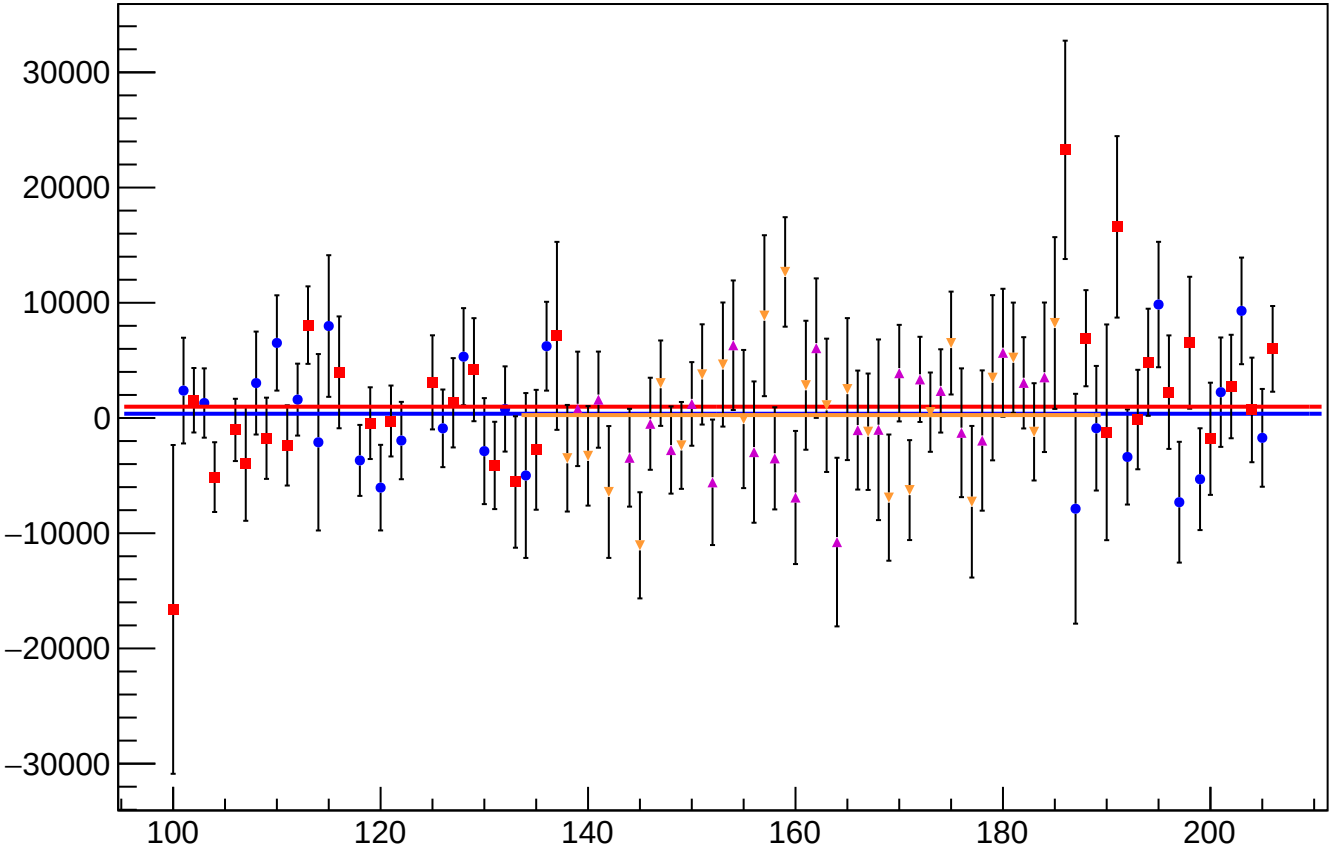
Right: 933.913+/-0.121 χ^2/NDF: 1141229.3/54

In: 1055.206+/-0.133 χ^2/NDF:1935629.8/47

Out: 1050.412+/-0.128 χ^2/NDF:2030885.6/53

All: 1052.717+/-0.092 χ^2/NDF: 3967188.2/10

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 369.522+/-844.631 χ^2/NDF: 27.2/24

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 980.931+/-760.001 χ^2/NDF: 34.5/29

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

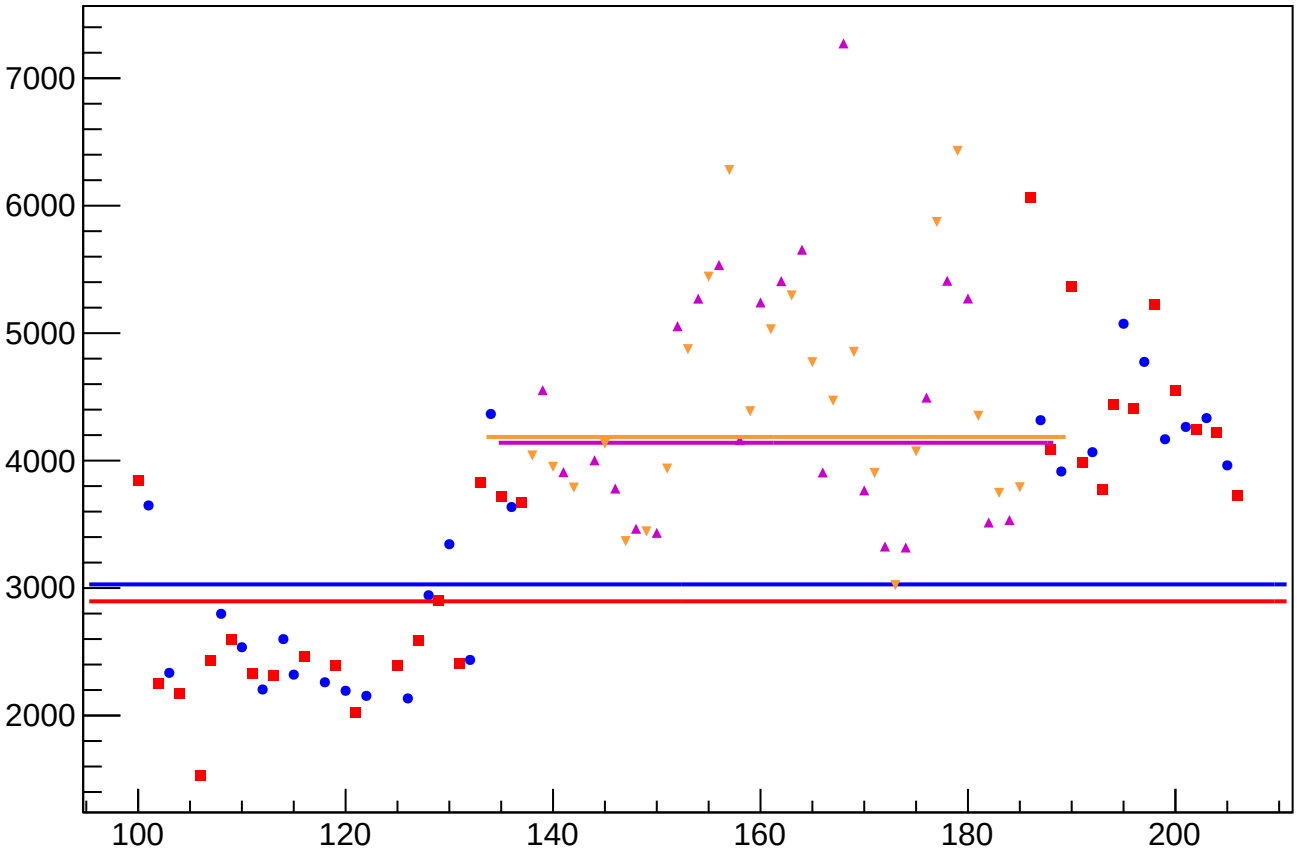
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 707.383+/-564.960 χ^2/NDF: 62.1/54

In: 326.016+/-642.577 χ^2/NDF:40.7/47

Out: 712.700+/-604.004 χ^2/NDF:64.5/53

All: 531.312+/-440.100 χ^2/NDF: 105.4/101



Right In: 3028.964+/-0.597 χ^2/NDF: 2273236.3/24

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2895.990+/-0.537 χ^2/NDF: 3381387.8/29

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

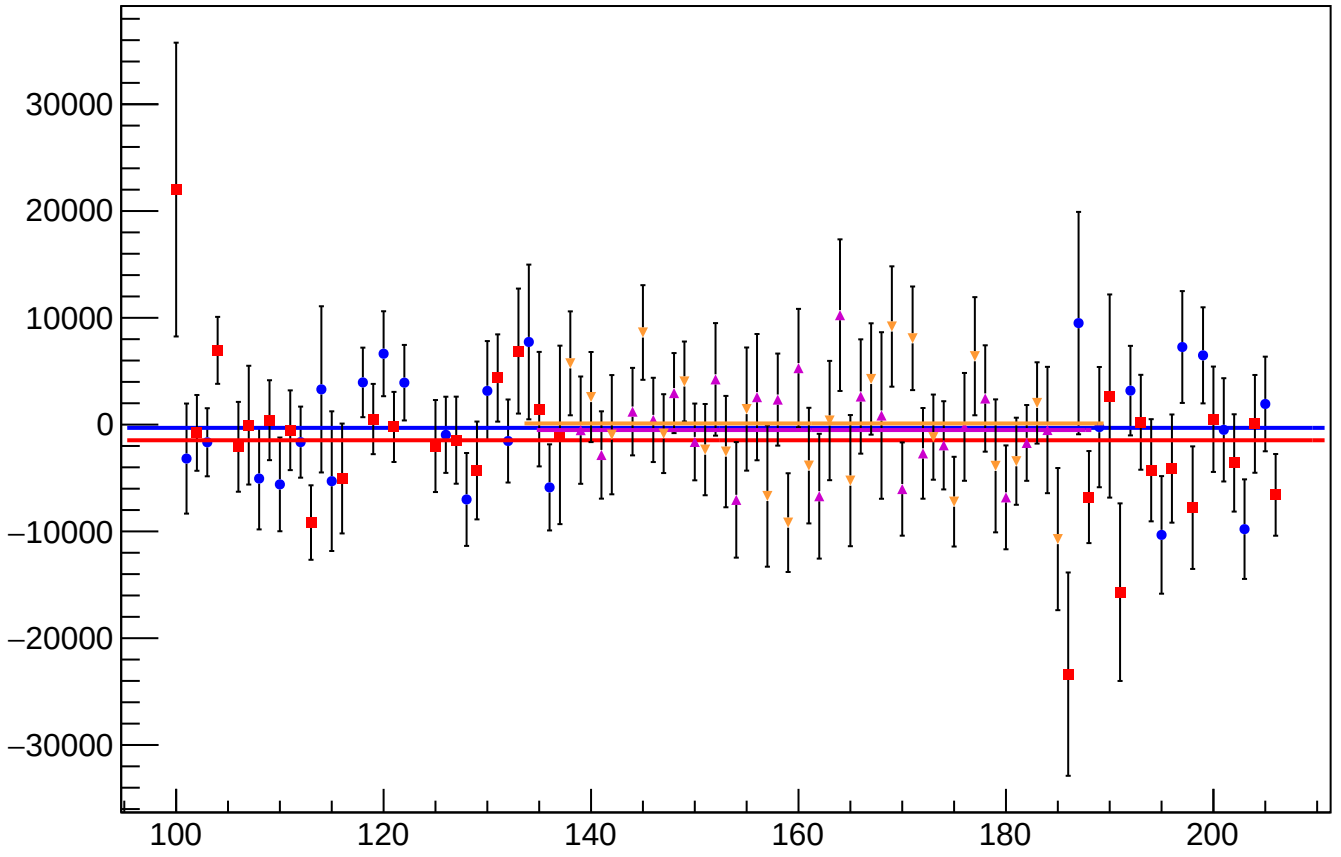
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2955.484+/-0.399 χ^2/NDF: 5682016.9/54

In: 3496.976+/-0.454 χ^2/NDF:5180979.5/47

Out: 3371.087+/-0.427 χ^2/NDF:6774235.1/53

All: 3430.140+/-0.311 χ^2/NDF: 11995969.1/1



Right In: -304.584+/-883.807 χ^2/NDF: 29.9/24

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1465.898+/-821.180 χ^2/NDF: 35.4/29

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

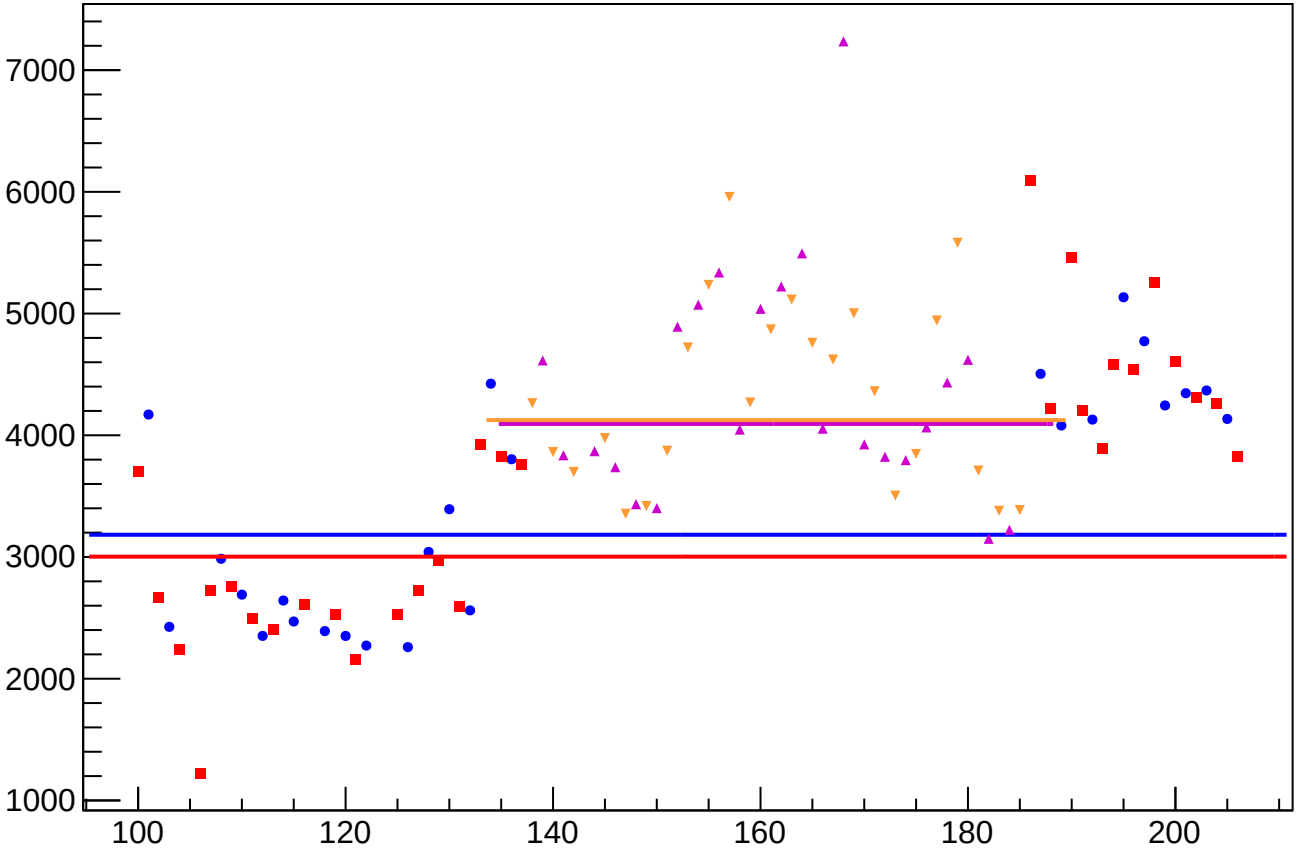
Right: -927.840+/-601.585 χ^2/NDF: 66.3/54

In: -396.884+/-654.567 χ^2/NDF:43.5/47

Out: -812.820+/-628.249 χ^2/NDF:64.9/53

All: -613.382+/-453.258 χ^2/NDF: 108.6/101

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3182.820+/-0.625 χ^2/NDF: 2077440.6/24

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3002.945+/-0.562 χ^2/NDF: 3553772.8/29

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

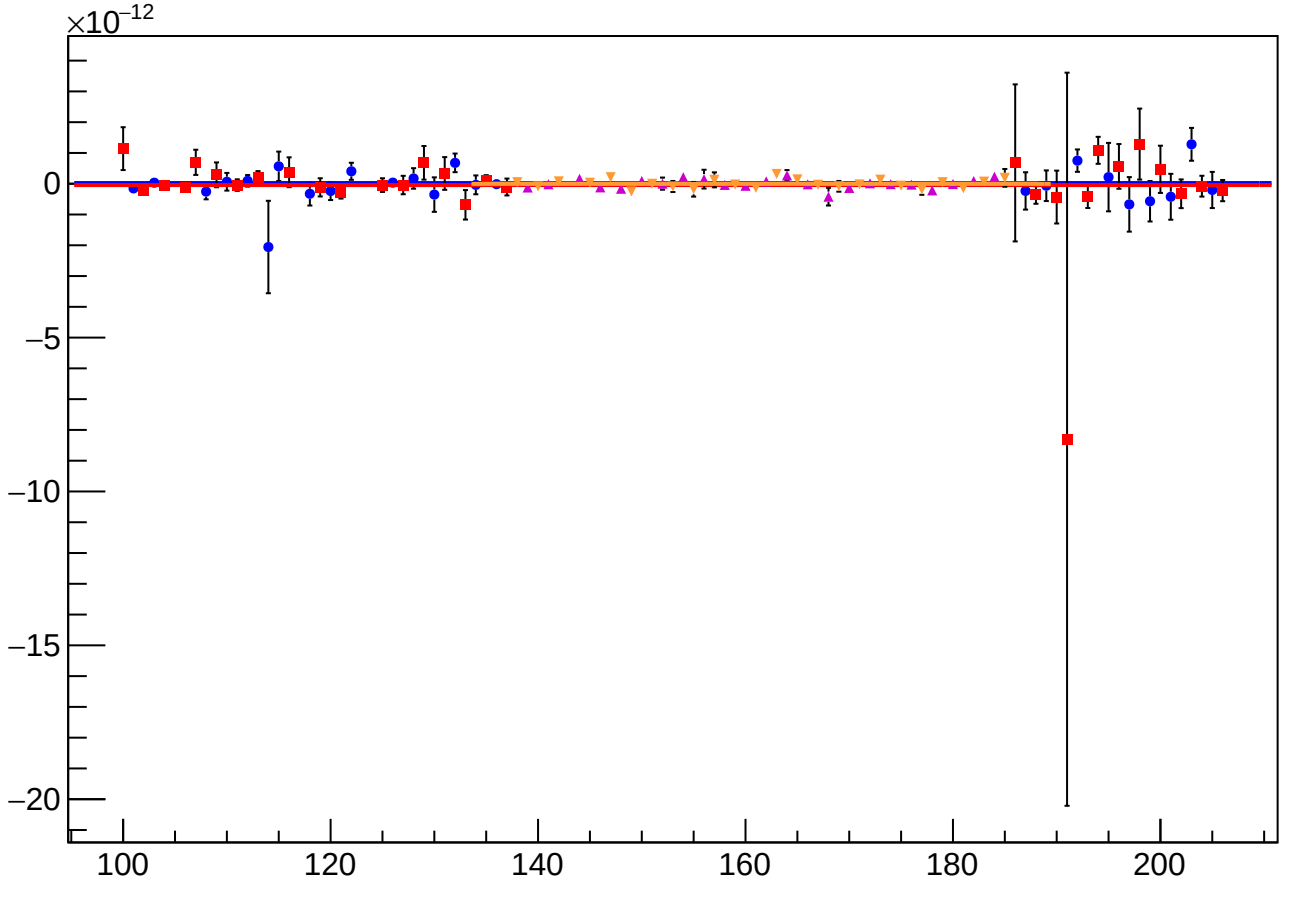
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3083.361+/-0.418 χ^2/NDF: 5677020.4/54

In: 3593.776+/-0.463 χ^2/NDF:4198082.8/47

Out: 3450.298+/-0.436 χ^2/NDF:6112551.3/53

All: 3517.704+/-0.317 χ^2/NDF: 10361582.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

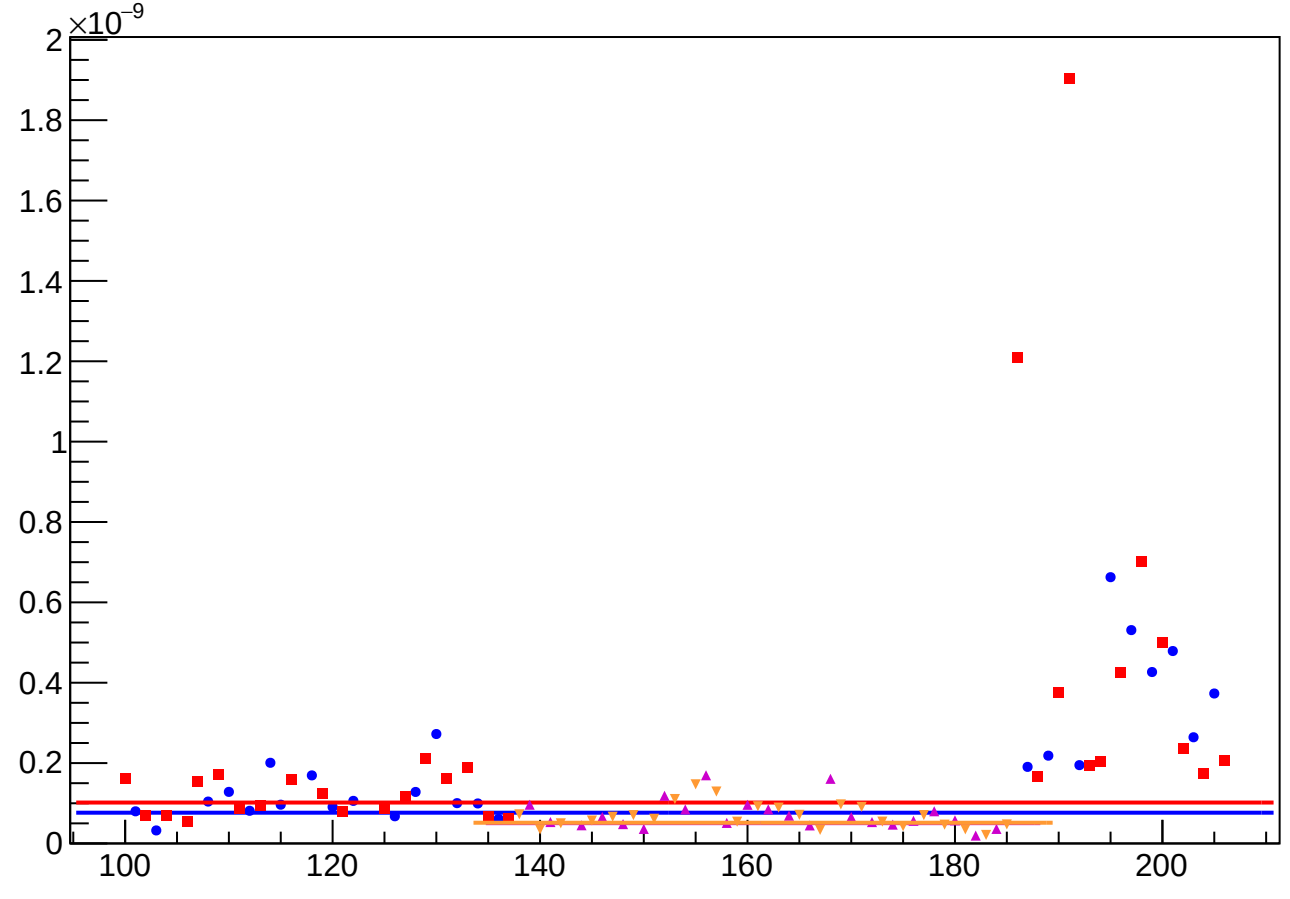
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 57.8/54

In: 0.000+/-0.000 χ^2/NDF:52.9/47

Out: -0.000+/-0.000 χ^2/NDF:54.3/53

All: 0.000+/-0.000 χ^2/NDF: 108.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 4789939.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3802073.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

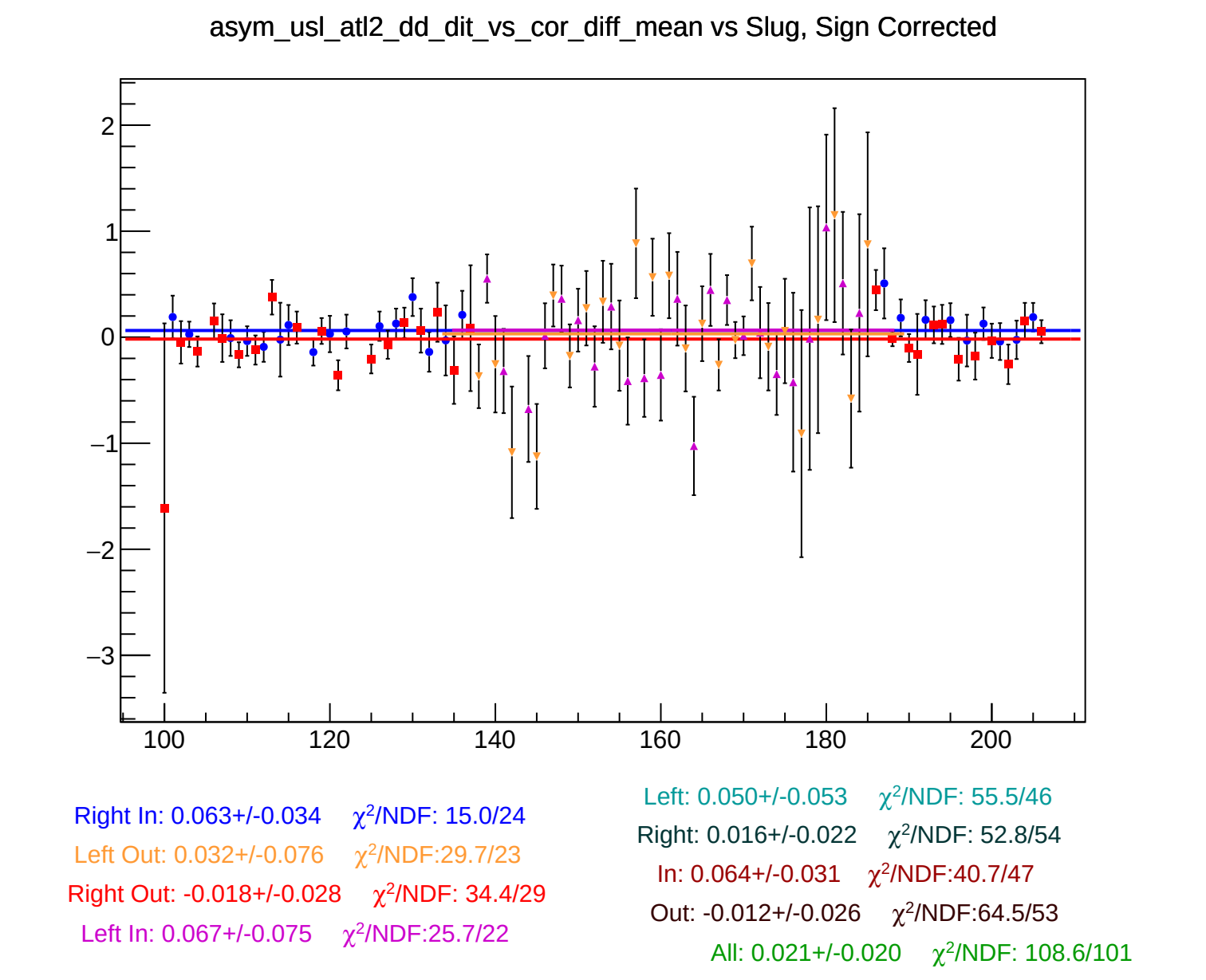
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8887422.0/54

In: 0.000+/-0.000 χ^2/NDF:7804393.2/47

Out: 0.000+/-0.000 χ^2/NDF:7767670.7/53

All: 0.000+/-0.000 χ^2/NDF: 15612582.1/101


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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−3
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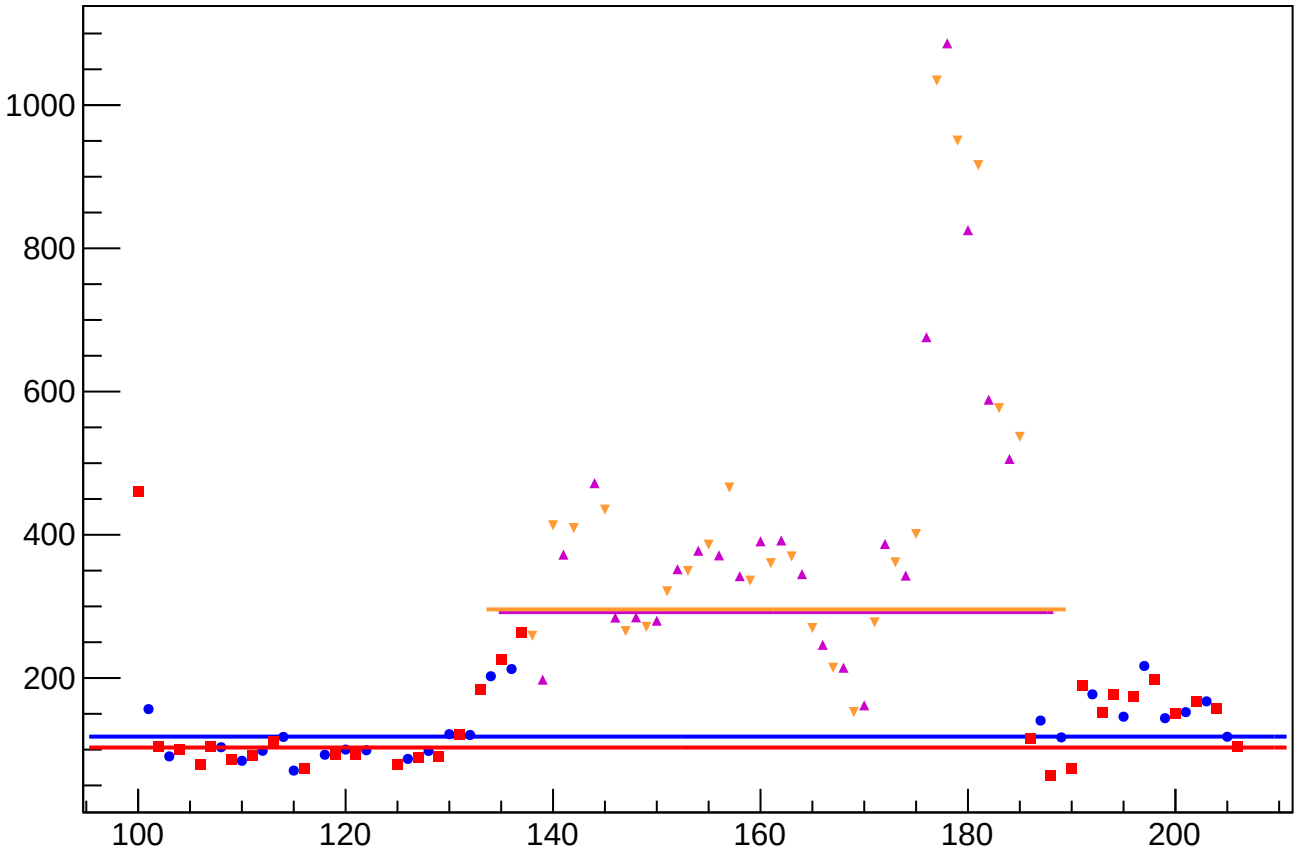
140
160
180
200
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.018+/-0.028 χ²/NDF: 34.4/29
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.016+/-0.022 χ²/NDF: 52.8/54
In: 0.064+/-0.031 χ²/NDF:40.7/47
Out: -0.012+/-0.026 χ²/NDF:64.5/53
All: 0.021+/-0.020 χ²/NDF: 108.6/101



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

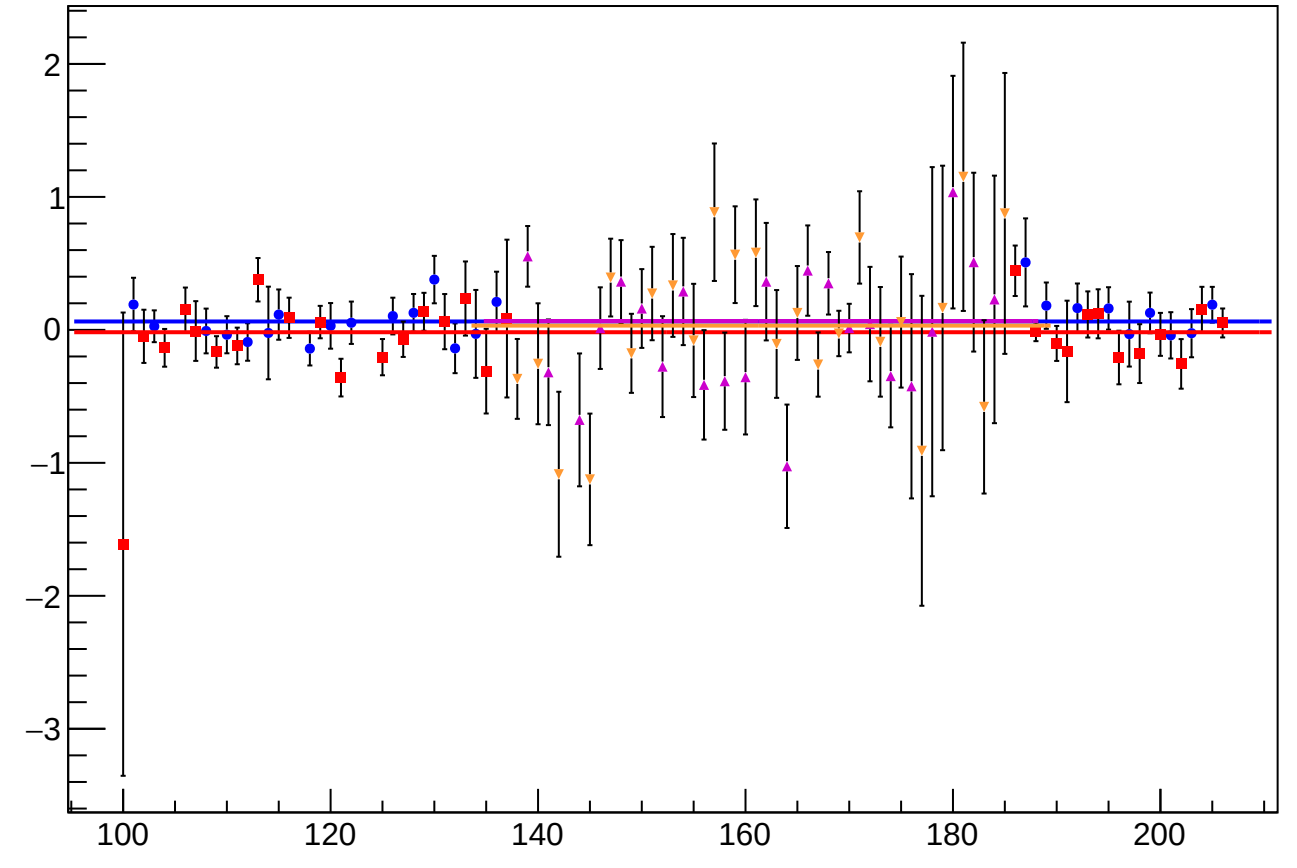
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.250+/-0.015 χ^2/NDF: 5918355.3/54

In: 147.503+/-0.022 χ^2/NDF:16171699.6/47

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 135.385+/-0.014 χ^2/NDF: 37100475.3/10



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

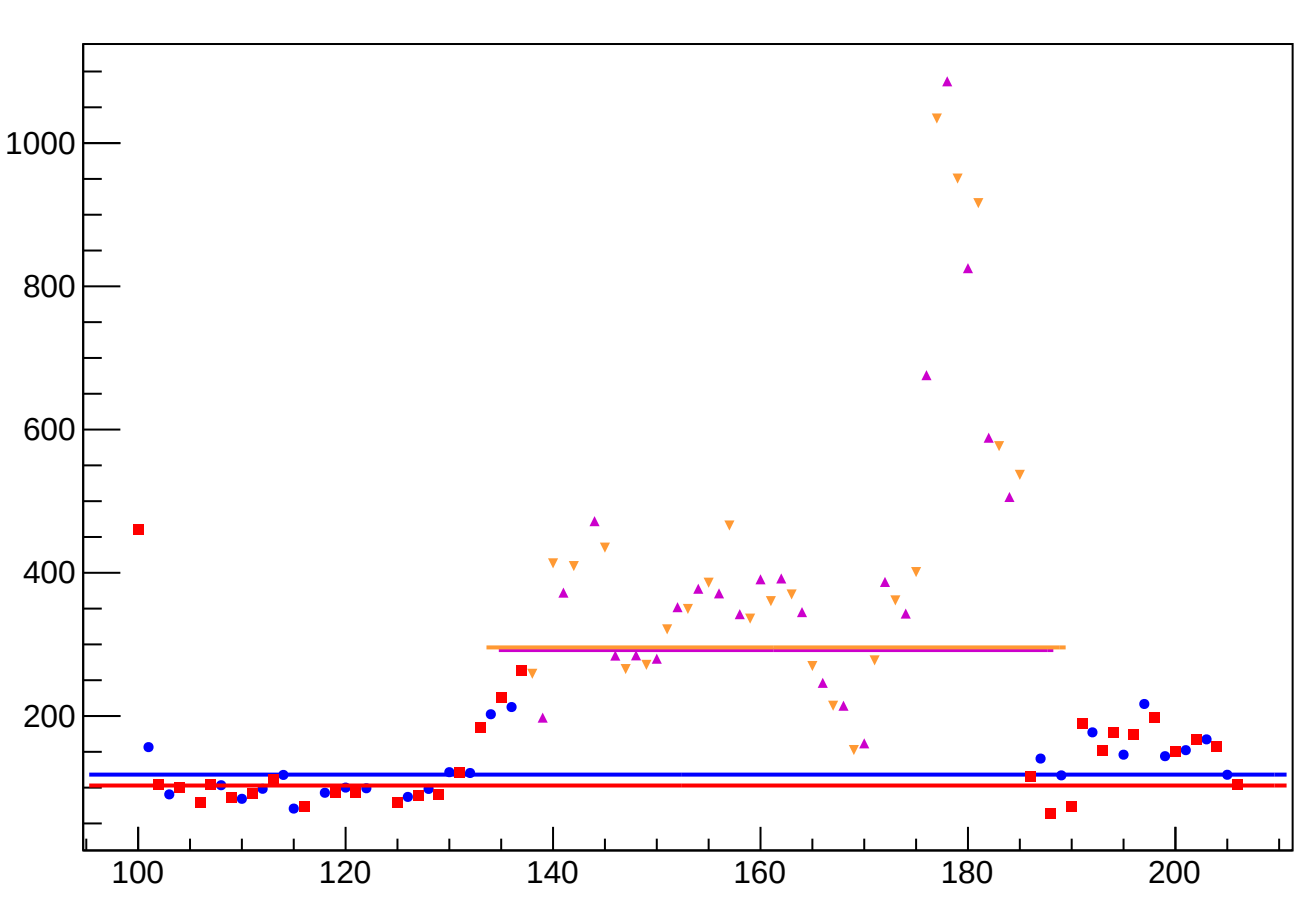
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.016+/-0.022 χ^2/NDF: 52.8/54

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.021+/-0.020 χ^2/NDF: 108.6/101



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

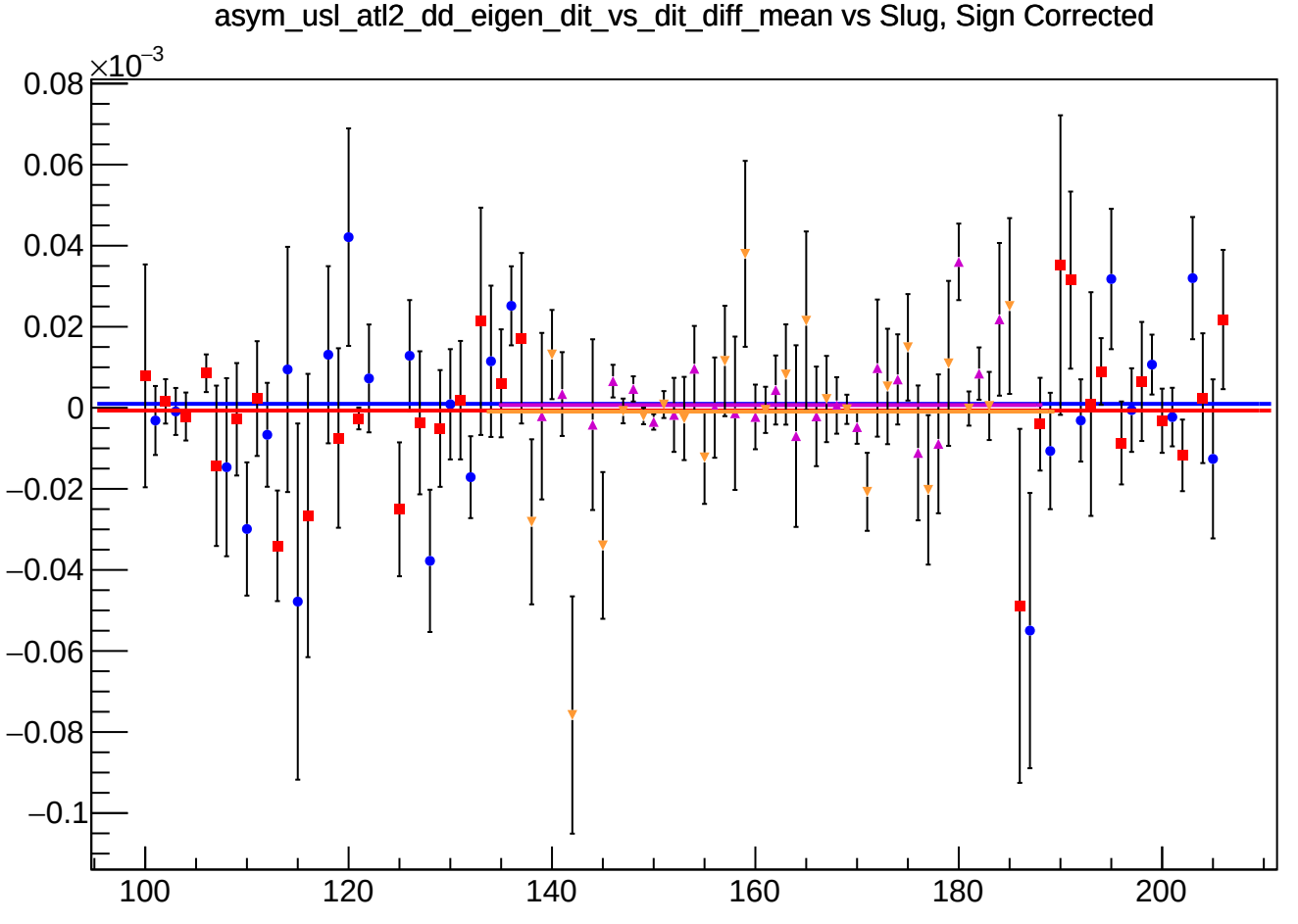
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.250+/-0.015 χ^2/NDF: 5918355.3/54

In: 147.503+/-0.022 χ^2/NDF:16171699.6/47

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 135.385+/-0.014 χ^2/NDF: 37100475.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

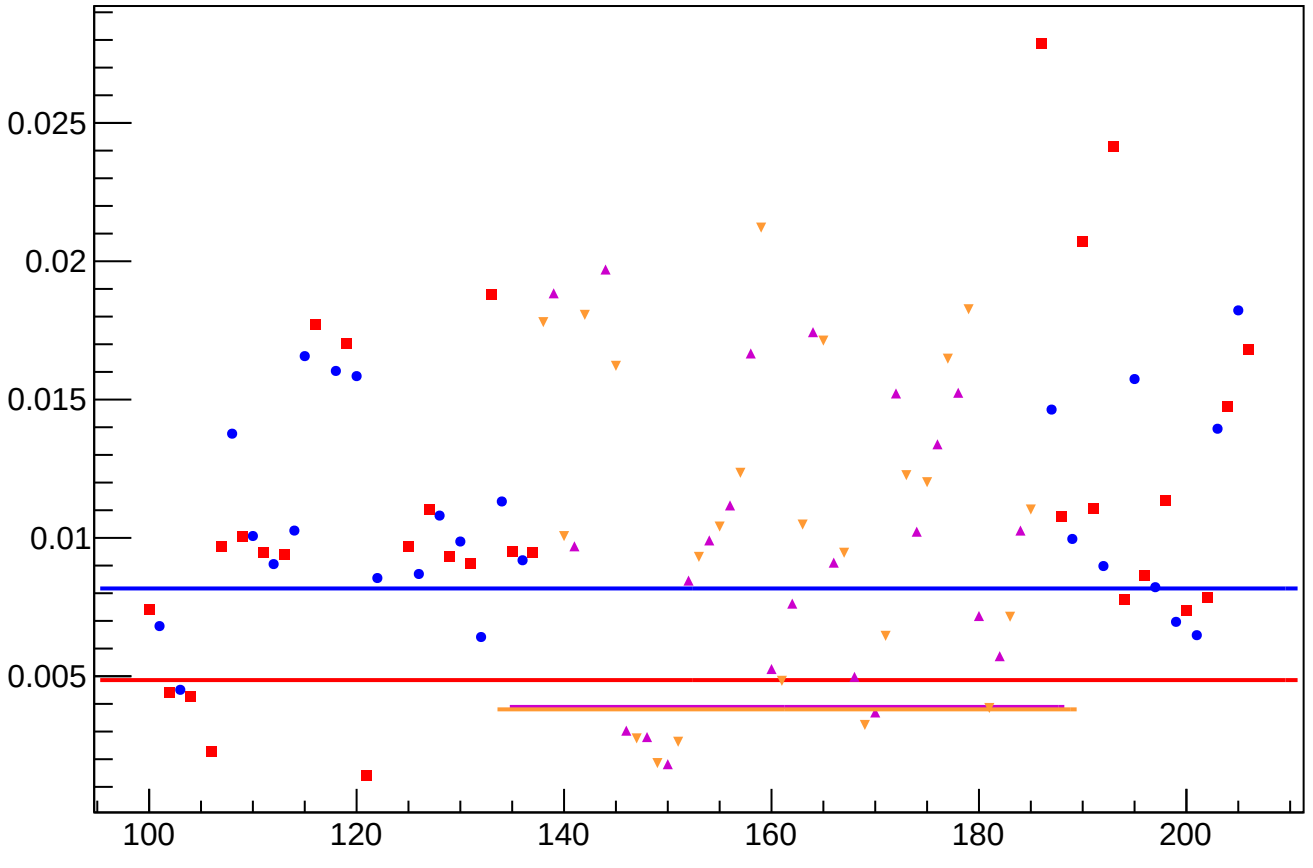
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/54

In: 0.000+/-0.000 χ^2/NDF:67.4/47

Out: -0.000+/-0.000 χ^2/NDF:55.0/53

All: -0.000+/-0.000 χ^2/NDF: 123.6/101



Right In: 0.008+/-0.000 χ^2/NDF: 3219782.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12980200.6/29

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

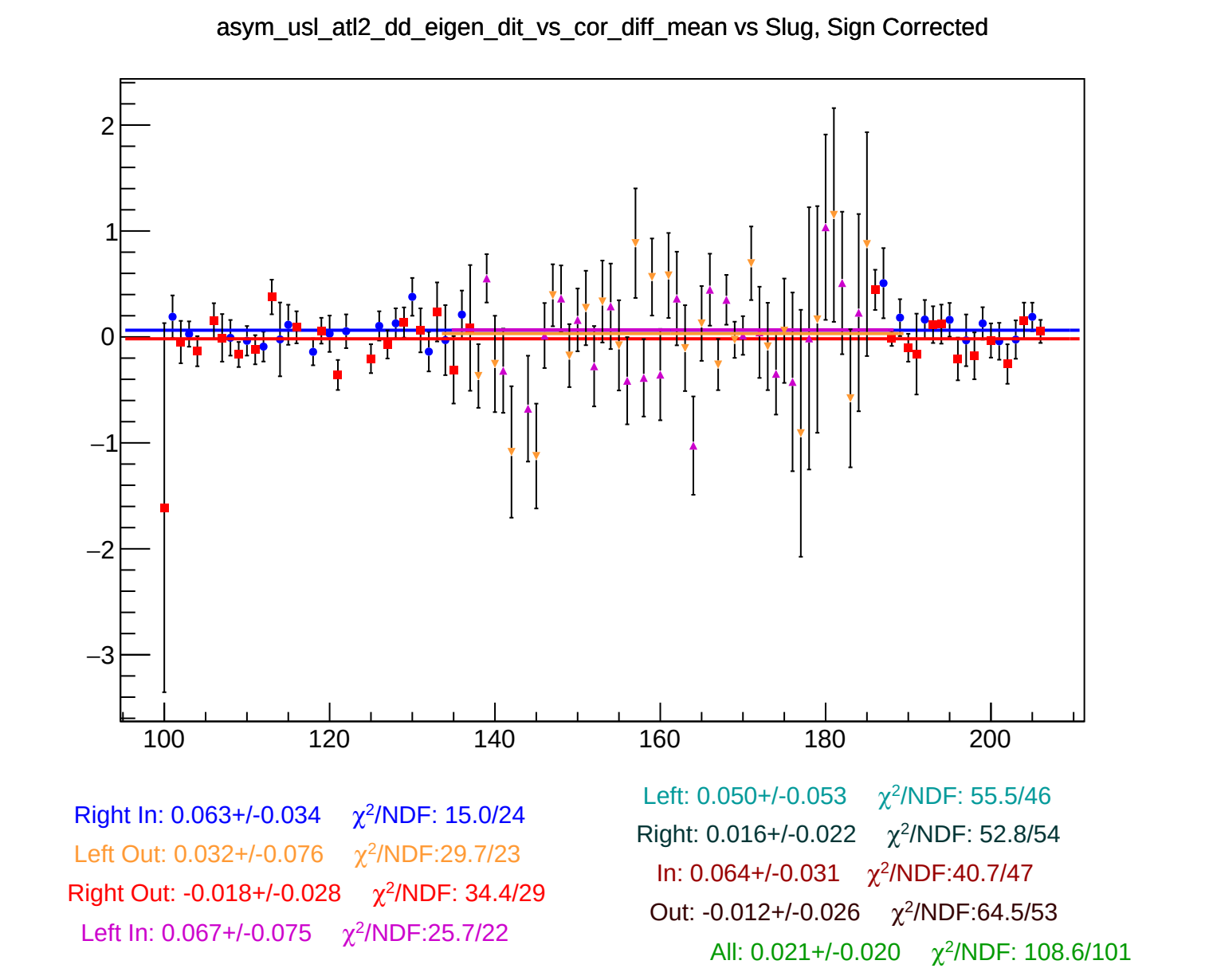
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.006+/-0.000 χ^2/NDF: 18821002.1/54

In: 0.005+/-0.000 χ^2/NDF:21828451.4/47

Out: 0.004+/-0.000 χ^2/NDF:28150040.8/53

All: 0.004+/-0.000 χ^2/NDF: 50349311.1/101


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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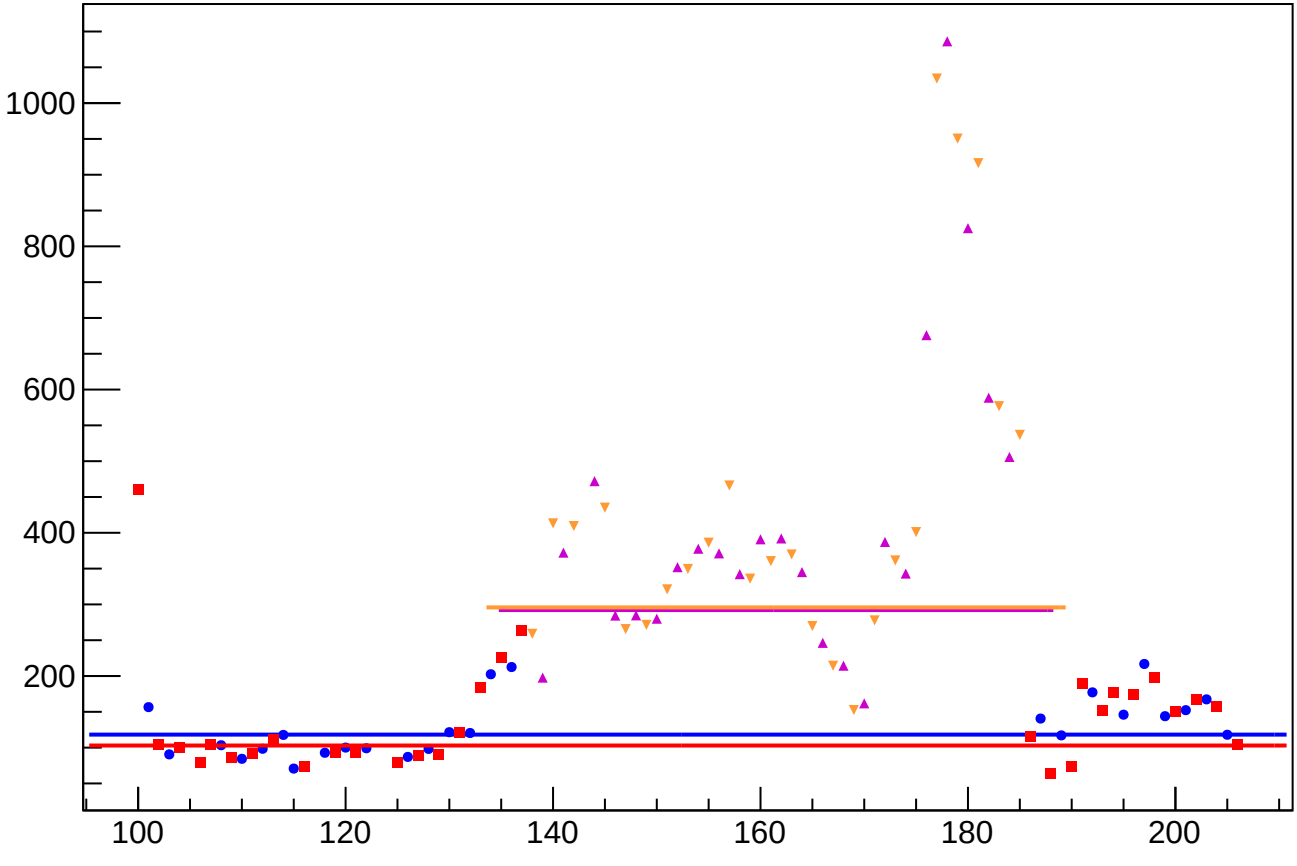
−2
−3
100
120
140
160
180
200
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.018+/-0.028 χ²/NDF: 34.4/29
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.016+/-0.022 χ²/NDF: 52.8/54
In: 0.064+/-0.031 χ²/NDF:40.7/47
Out: -0.012+/-0.026 χ²/NDF:64.5/53
All: 0.021+/-0.020 χ²/NDF: 108.6/101

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

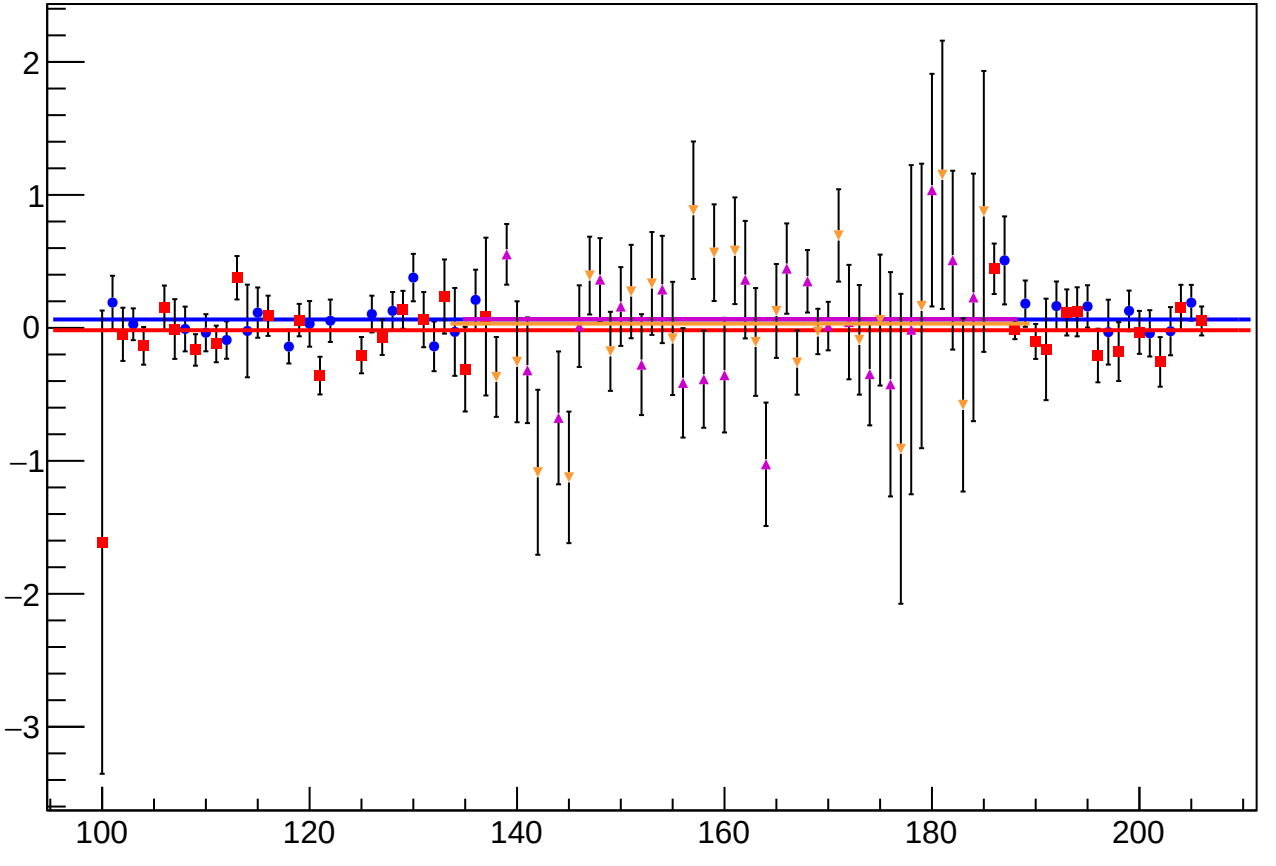
Right: 109.250+/-0.015 χ^2/NDF: 5918553.0/54

In: 147.504+/-0.022 χ^2/NDF:16171774.2/47

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 135.384+/-0.014 χ^2/NDF: 37101126.0/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

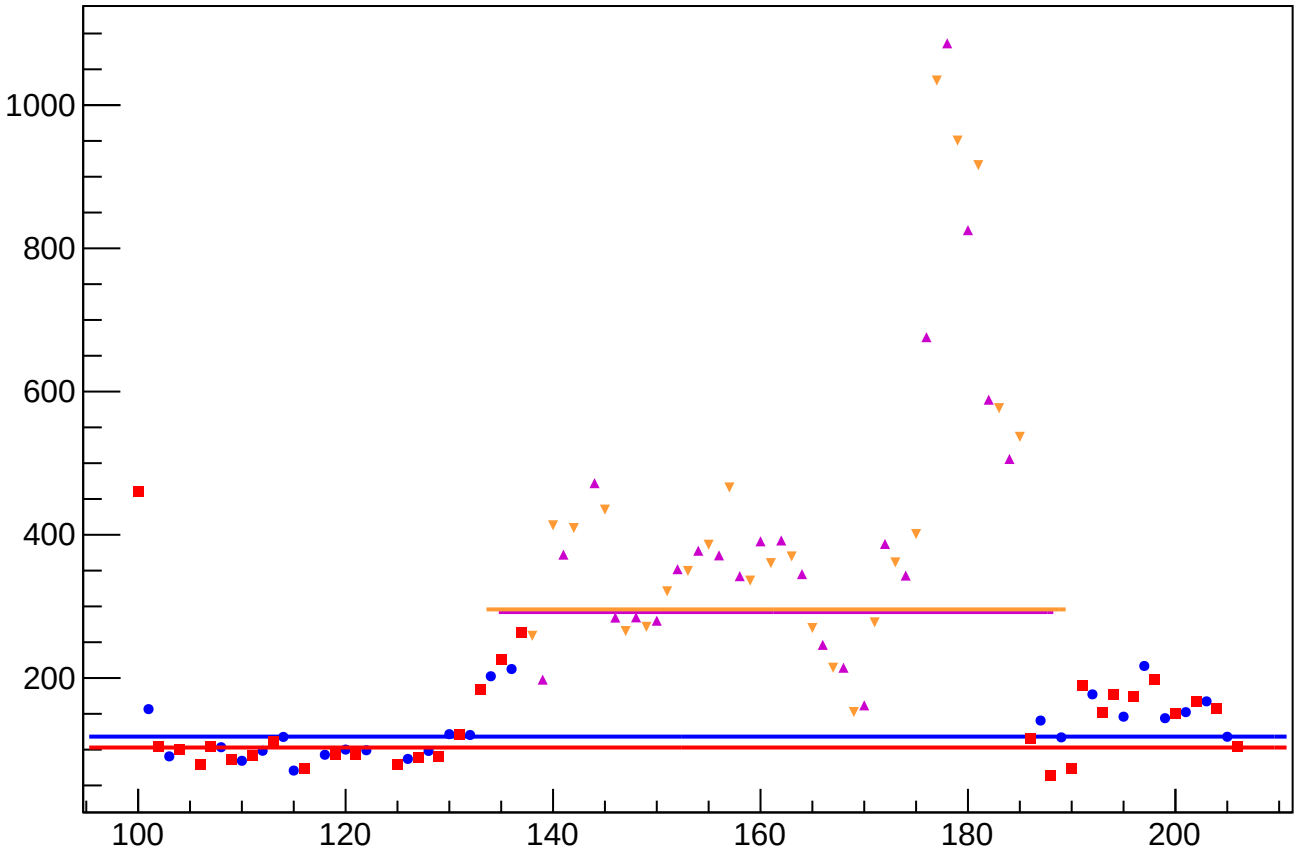
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.016+/-0.022 χ^2/NDF: 52.8/54

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.021+/-0.020 χ^2/NDF: 108.6/101



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

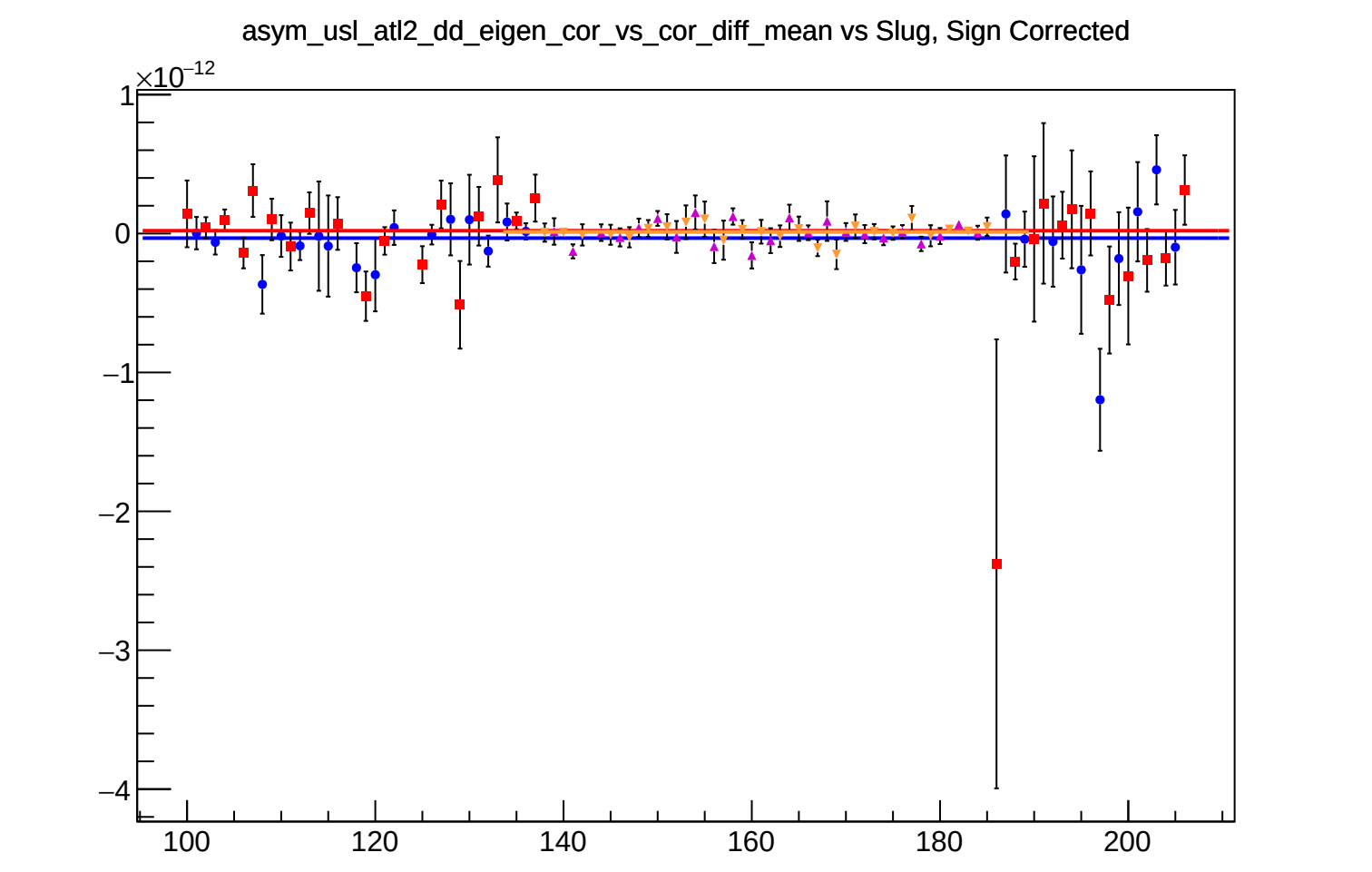
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.250+/-0.015 χ^2/NDF: 5918553.0/54

In: 147.504+/-0.022 χ^2/NDF:16171774.2/47

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 135.384+/-0.014 χ^2/NDF: 37101126.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

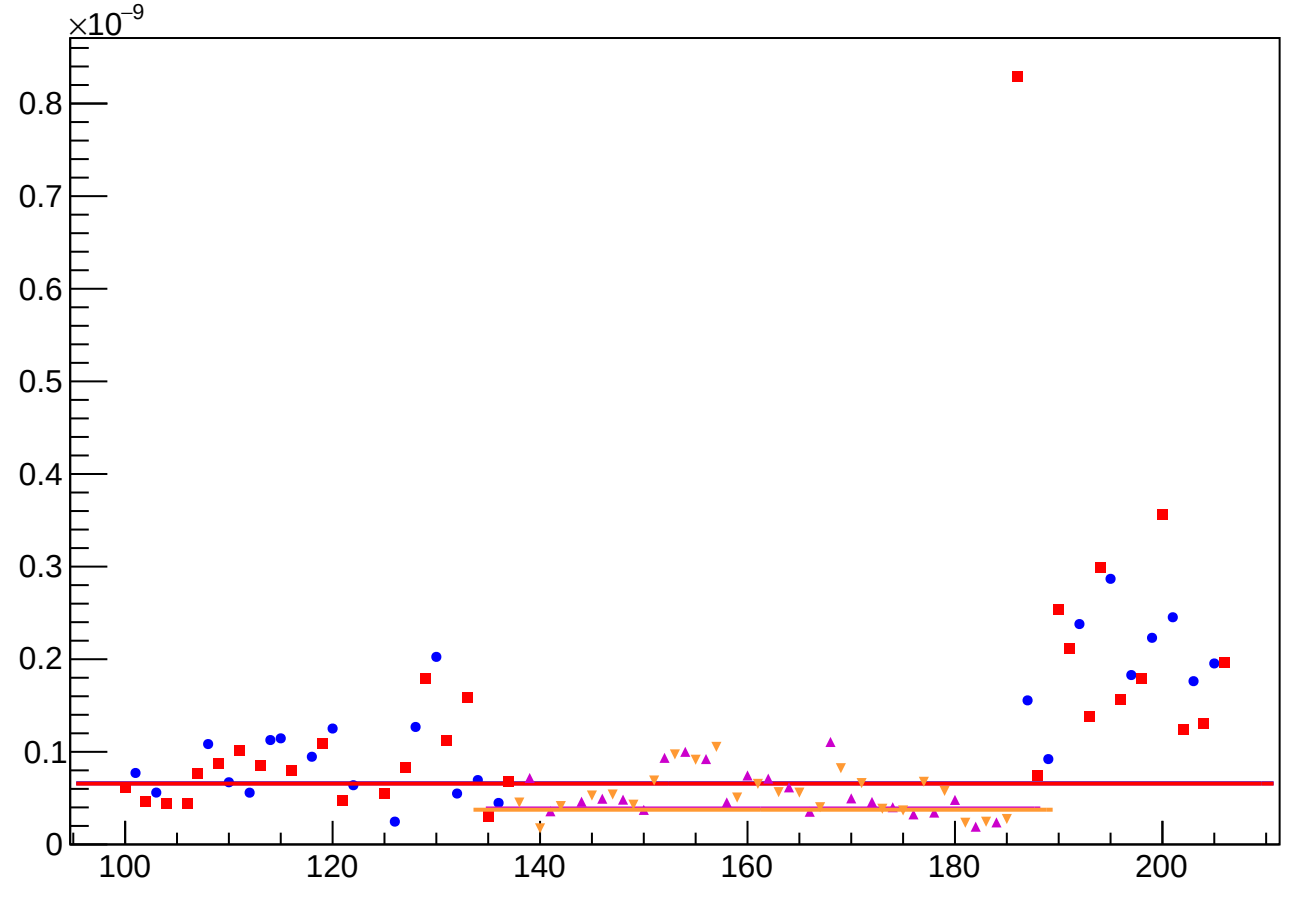
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/54

In: 0.000+/-0.000 χ^2/NDF:56.8/47

Out: 0.000+/-0.000 χ^2/NDF:49.1/53

All: 0.000+/-0.000 χ^2/NDF: 106.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4946372.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5522845.9/29

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

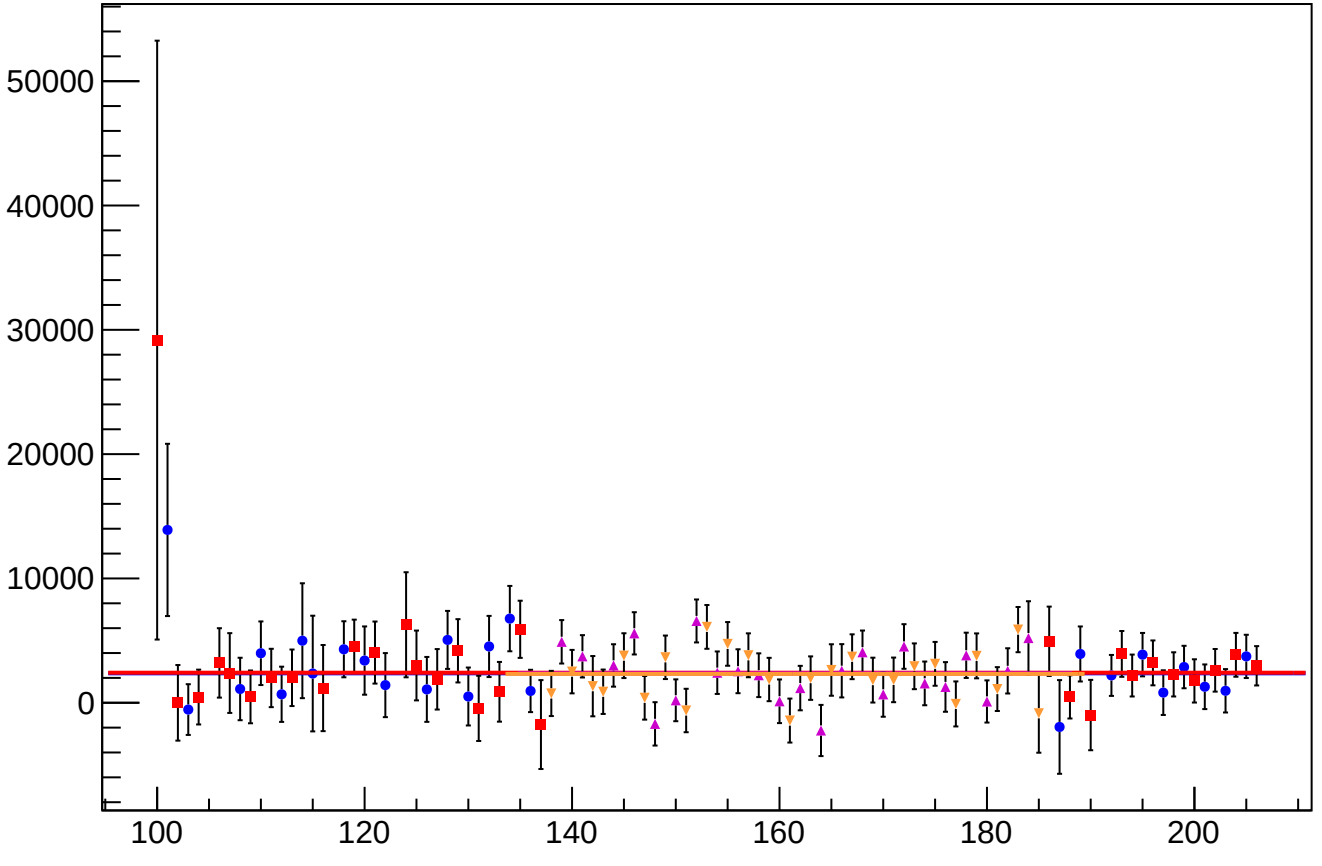
Right: 0.000+/-0.000 χ^2/NDF: 10469354.1/54

In: 0.000+/-0.000 χ^2/NDF:11077543.7/47

Out: 0.000+/-0.000 χ^2/NDF:12340384.6/53

All: 0.000+/-0.000 χ^2/NDF: 23424350.5/101

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2367.141+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2417.162+/-410.230 χ^2/NDF: 17.2/29

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

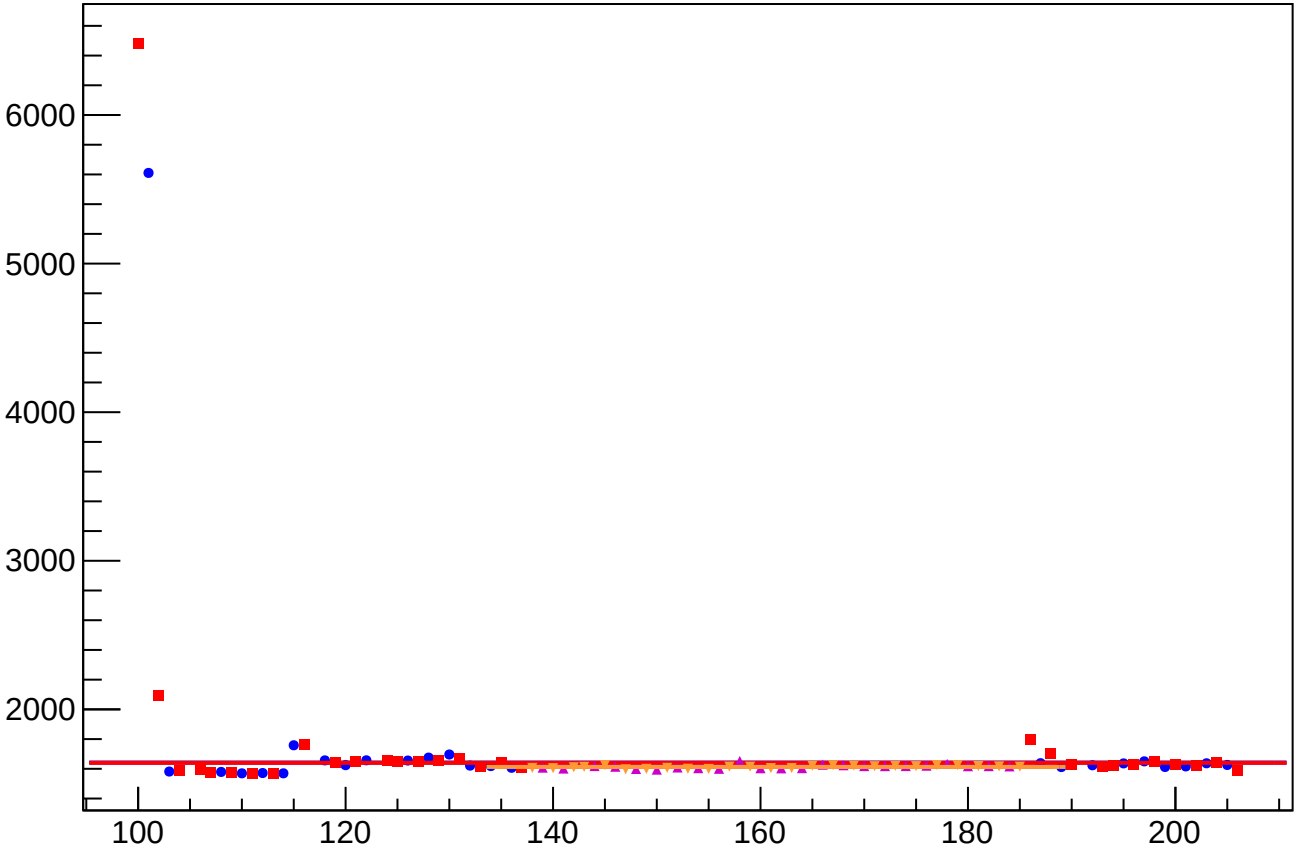
Right: 2394.036+/-300.804 χ^2/NDF: 36.1/54

In: 2369.163+/-286.852 χ^2/NDF:52.6/47

Out: 2363.695+/-273.230 χ^2/NDF:44.8/54

All: 2366.296+/-197.843 χ^2/NDF: 97.4/102

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.6/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.469+/-0.290 χ^2/NDF: 148609.9/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

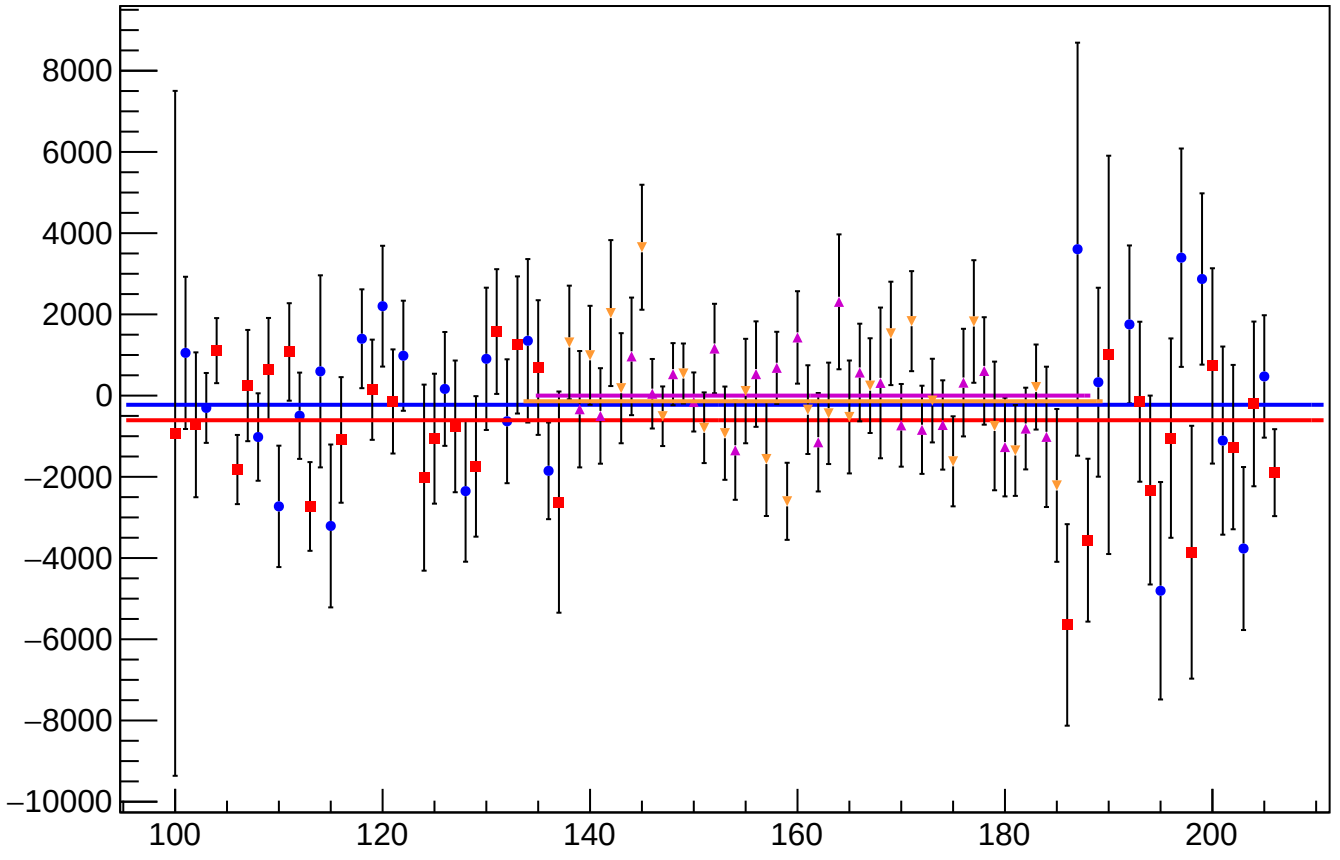
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1641.137+/-0.213 χ^2/NDF: 817806.0/54

In: 1625.616+/-0.203 χ^2/NDF:676222.7/47

Out: 1624.967+/-0.193 χ^2/NDF:154915.5/54

All: 1625.276+/-0.140 χ^2/NDF: 831143.6/102



Right In: -226.075+/-310.931 χ^2/NDF: 28.0/24

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -606.692+/-278.362 χ^2/NDF: 29.7/29

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

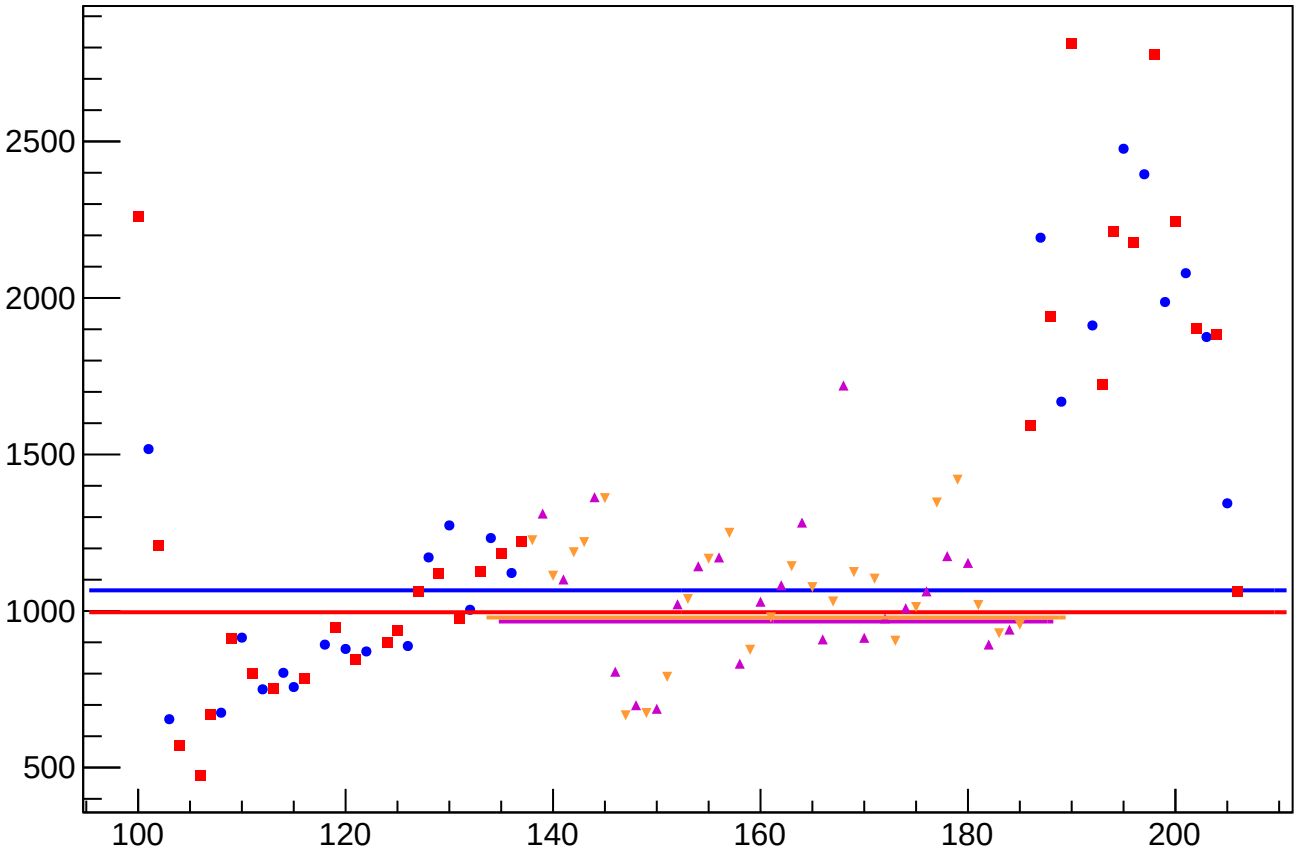
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -437.356+/-207.394 χ^2/NDF: 58.5/54

In: -80.867+/-185.894 χ^2/NDF:41.2/47

Out: -327.907+/-176.905 χ^2/NDF:61.5/54

All: -210.504+/-128.150 χ^2/NDF: 103.6/102



Right In: 1066.025+/-0.220 χ^2/NDF: 4122022.1/24

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 996.099+/-0.197 χ^2/NDF: 5905073.6/29

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

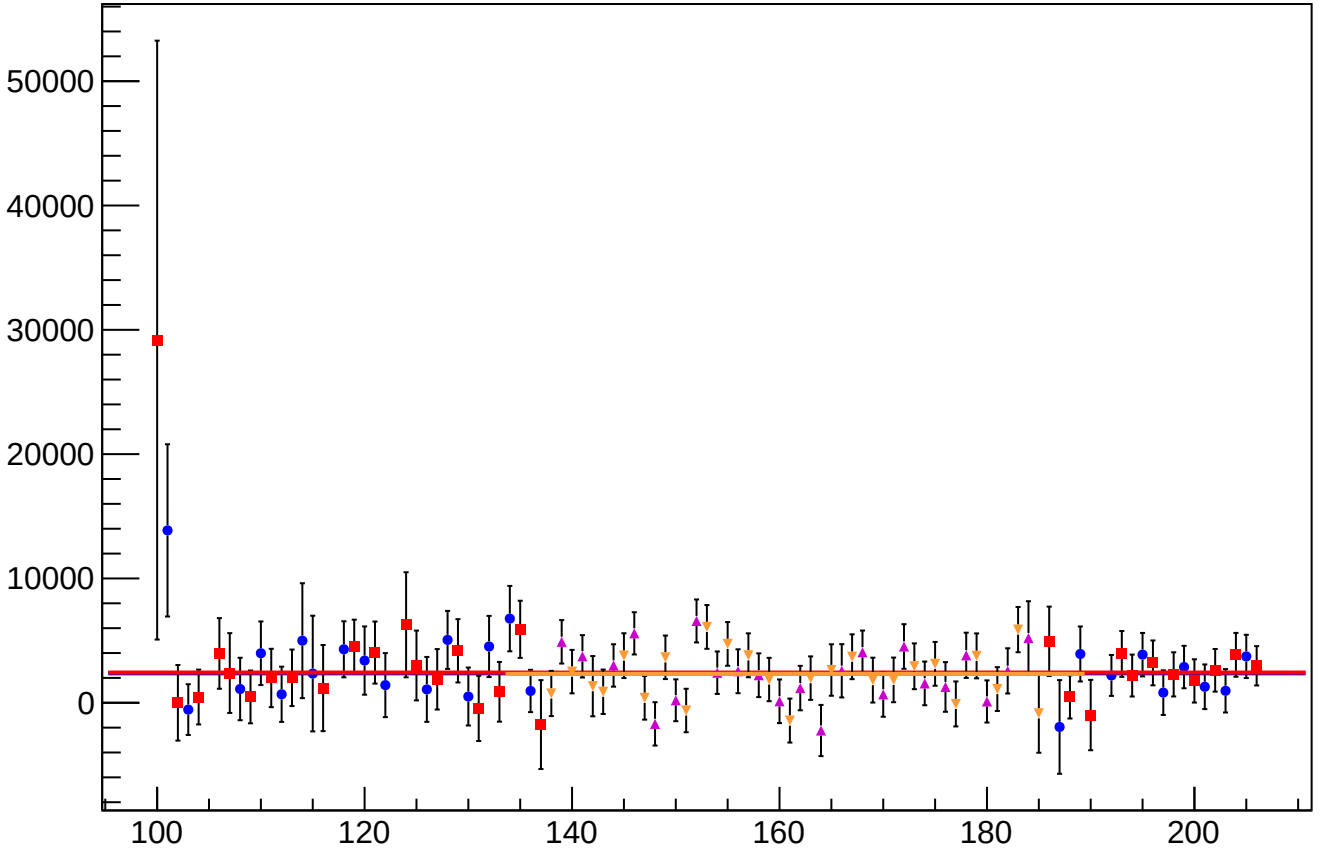
Right: 1027.209+/-0.147 χ^2/NDF: 10083244.3/54

In: 1002.090+/-0.131 χ^2/NDF:5856216.7/47

Out: 986.082+/-0.125 χ^2/NDF:7540042.1/54

All: 993.690+/-0.091 χ^2/NDF: 13404042.3/10

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2432.615+/-410.382 χ^2/NDF: 17.5/29

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

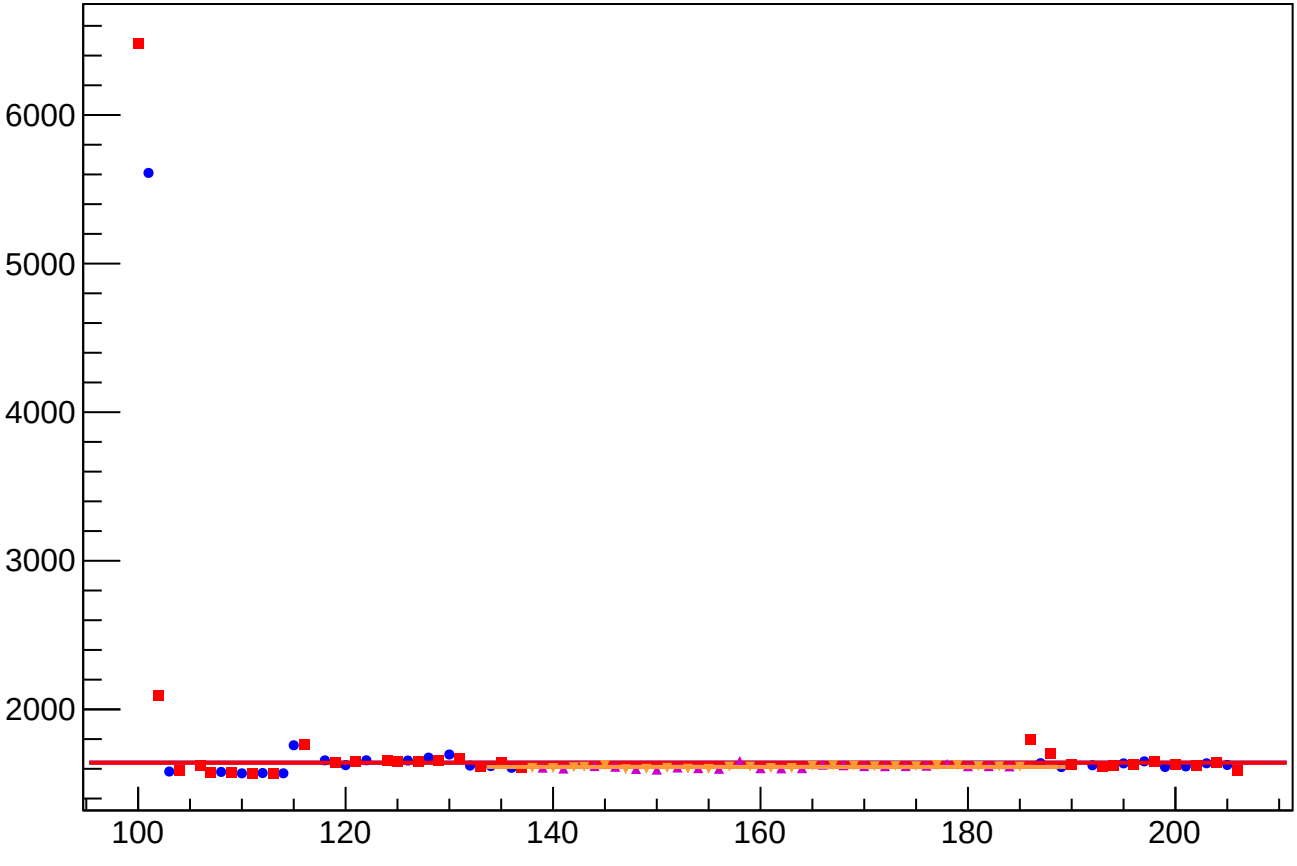
Right: 2402.217+/-300.864 χ^2/NDF: 36.3/54

In: 2369.099+/-286.852 χ^2/NDF:52.6/47

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2369.837+/-197.860 χ^2/NDF: 97.6/102

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

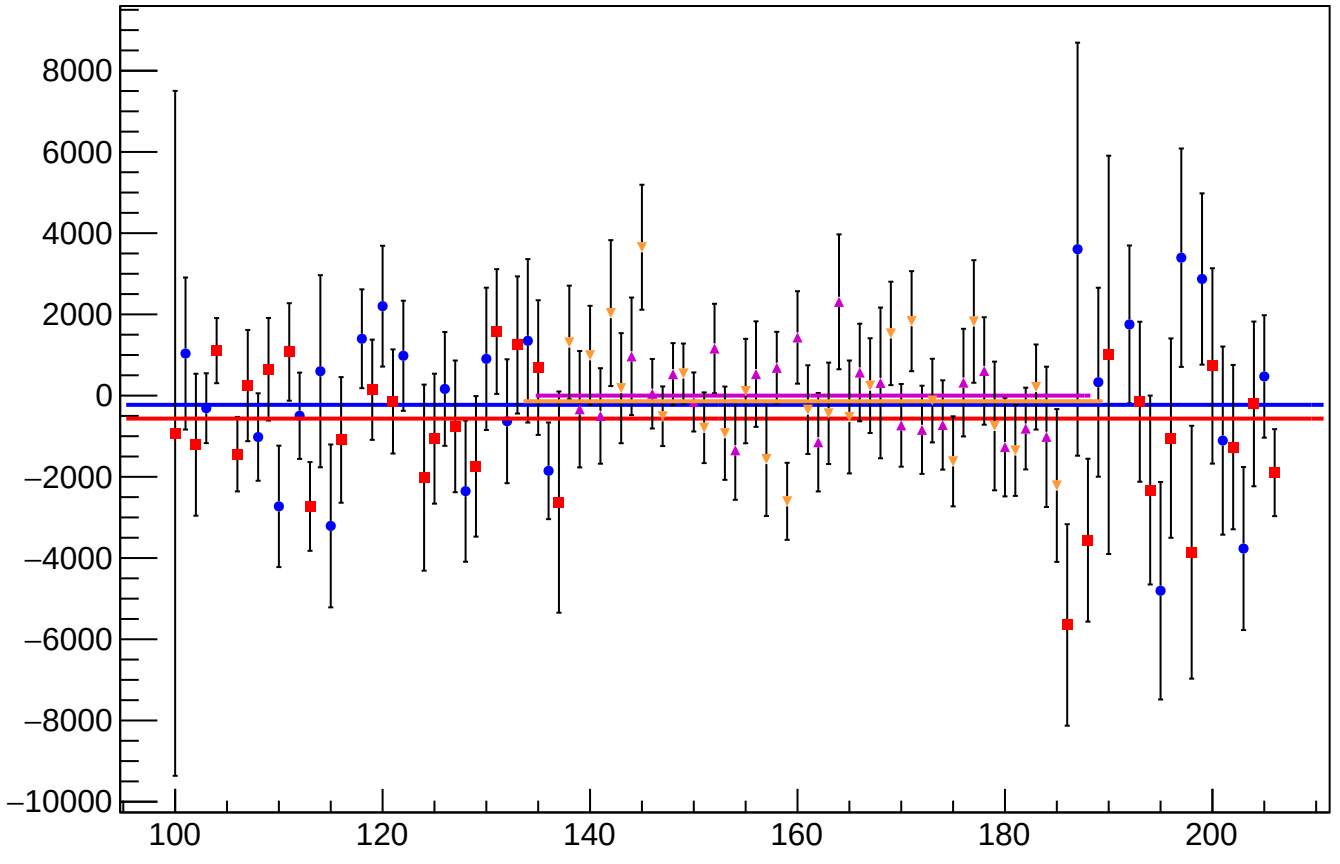
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1641.454+/-0.213 χ^2/NDF: 817329.8/54

In: 1625.616+/-0.203 χ^2/NDF:676222.3/47

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1625.410+/-0.140 χ^2/NDF: 830888.2/102



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

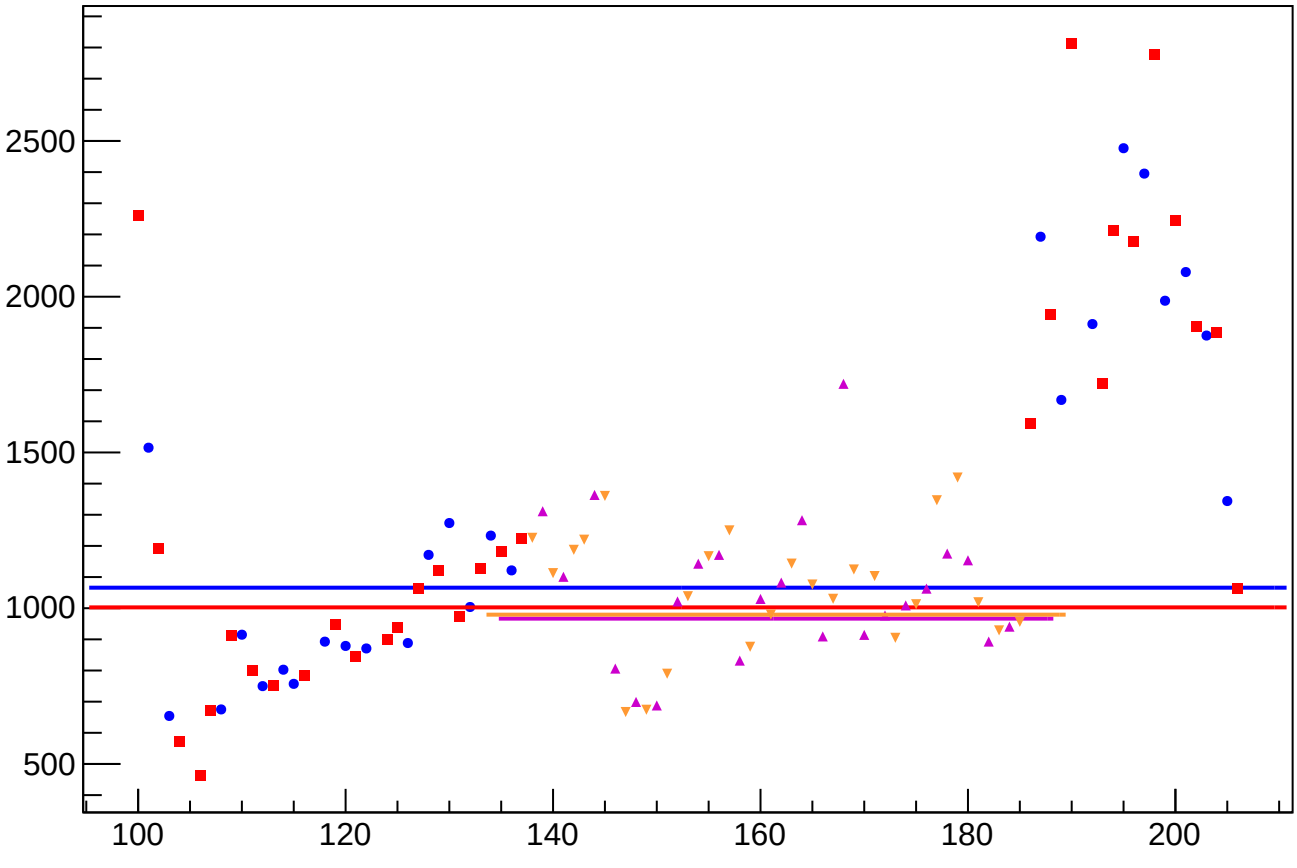
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -414.311+/-208.184 χ^2/NDF: 57.2/54

In: -81.259+/-185.887 χ^2/NDF:41.2/47

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -201.097+/-128.336 χ^2/NDF: 102.1/102



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

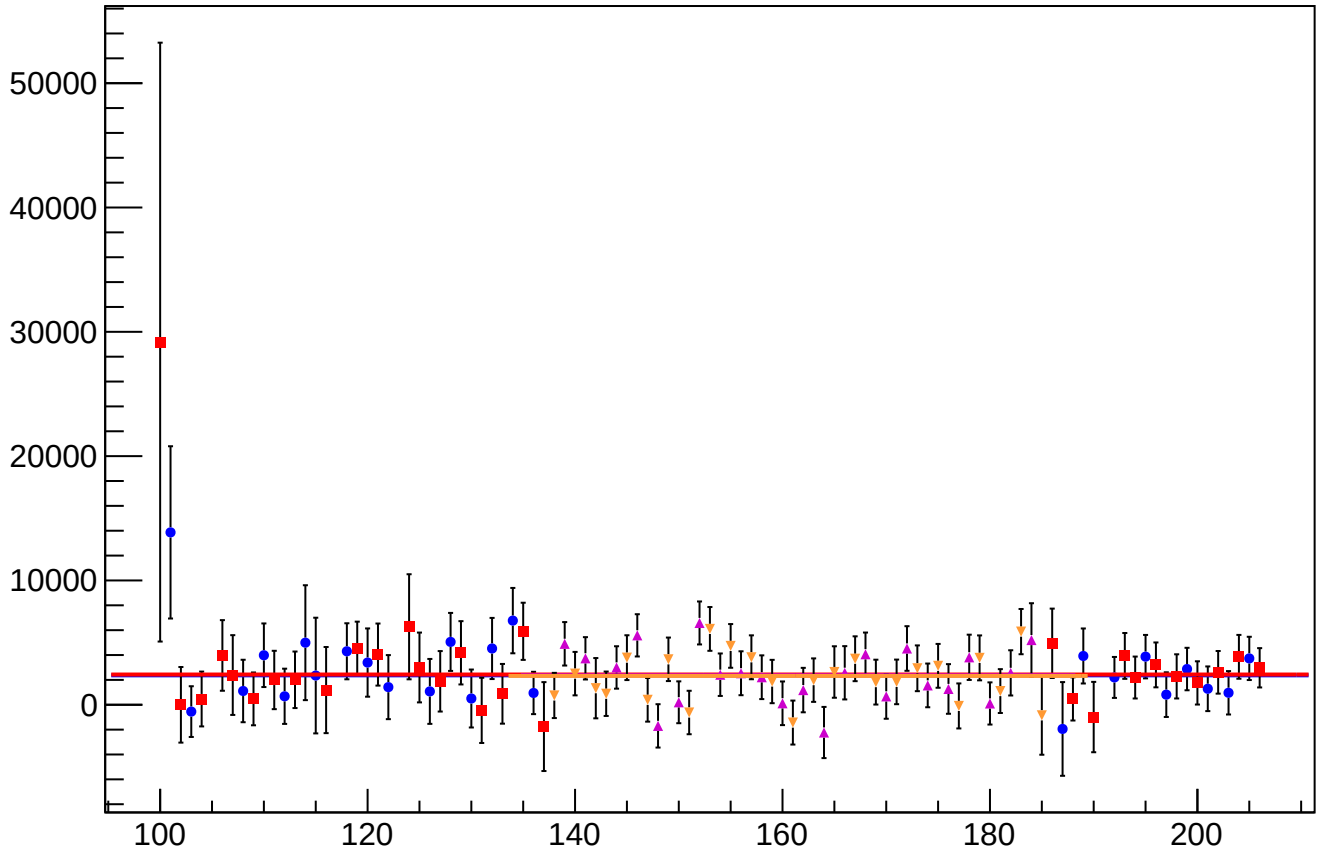
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1031.021+/-0.147 χ^2/NDF: 9991722.8/54

In: 1002.056+/-0.131 χ^2/NDF:5856381.5/47

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 995.041+/-0.091 χ^2/NDF: 13324436.0/10



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2432.615+/-410.382 χ^2/NDF: 17.5/29

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

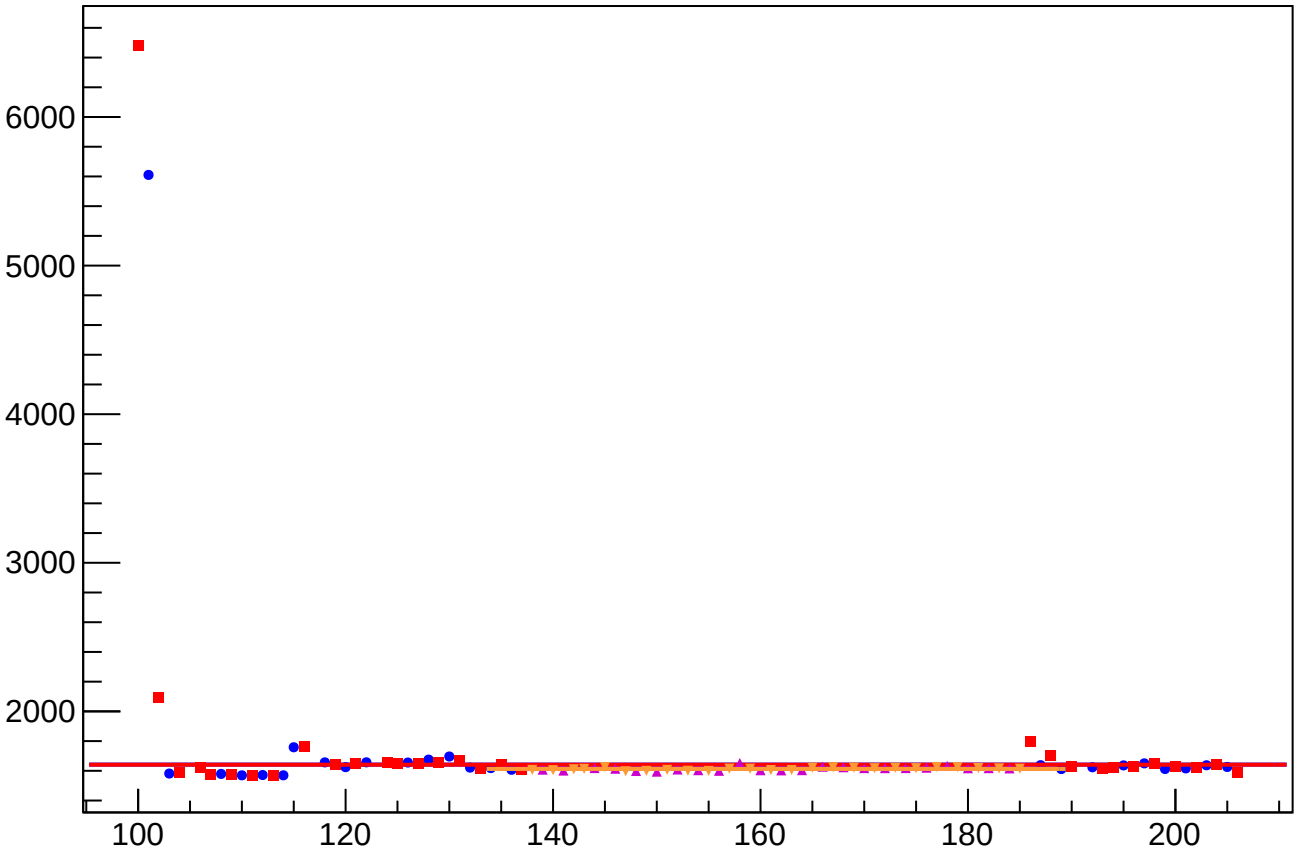
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2402.217+/-300.864 χ^2/NDF: 36.3/54

In: 2369.099+/-286.852 χ^2/NDF:52.6/47

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2369.837+/-197.860 χ^2/NDF: 97.6/102



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

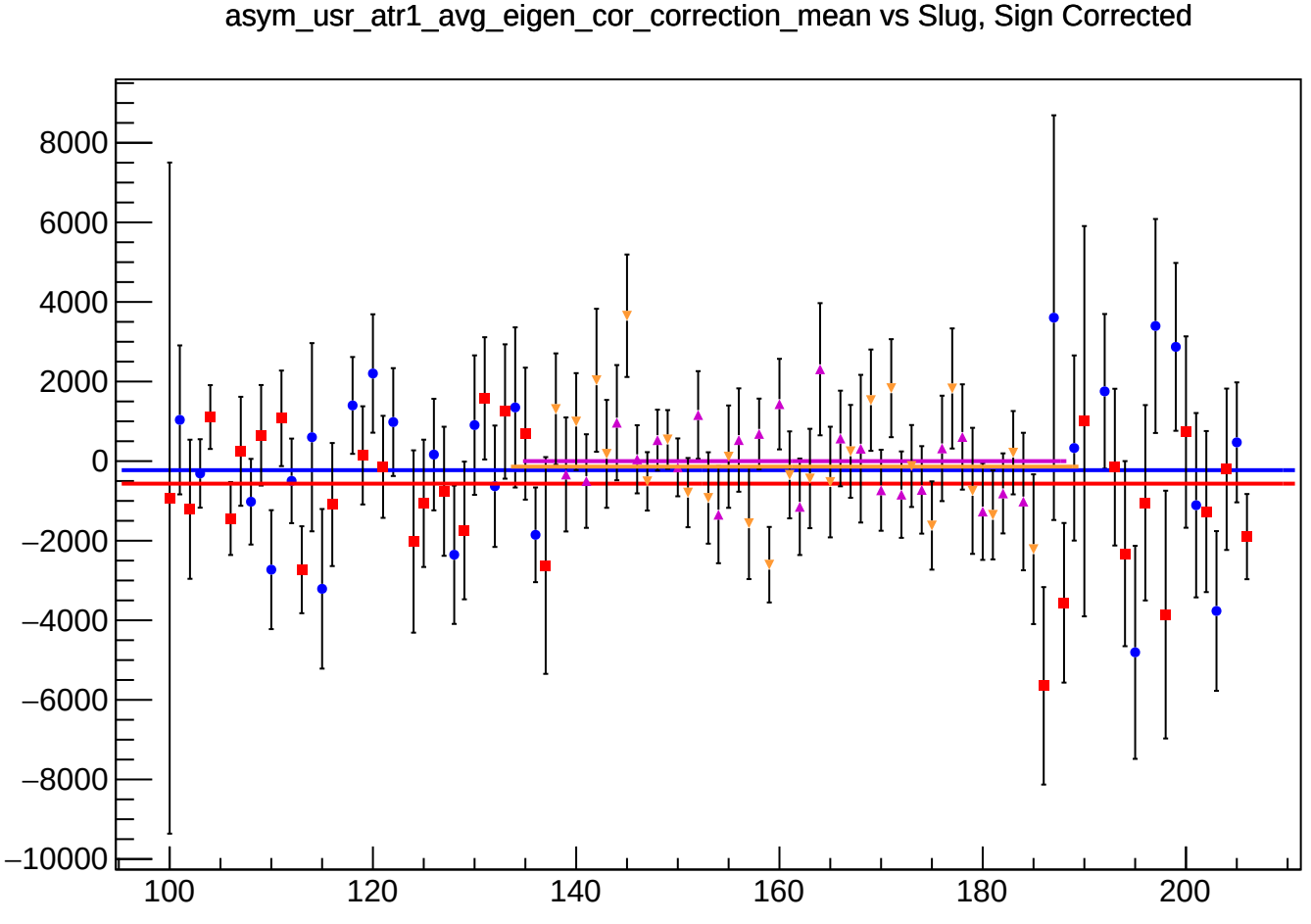
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1641.454+/-0.213 χ^2/NDF: 817329.8/54

In: 1625.616+/-0.203 χ^2/NDF:676222.3/47

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1625.410+/-0.140 χ^2/NDF: 830888.2/102



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

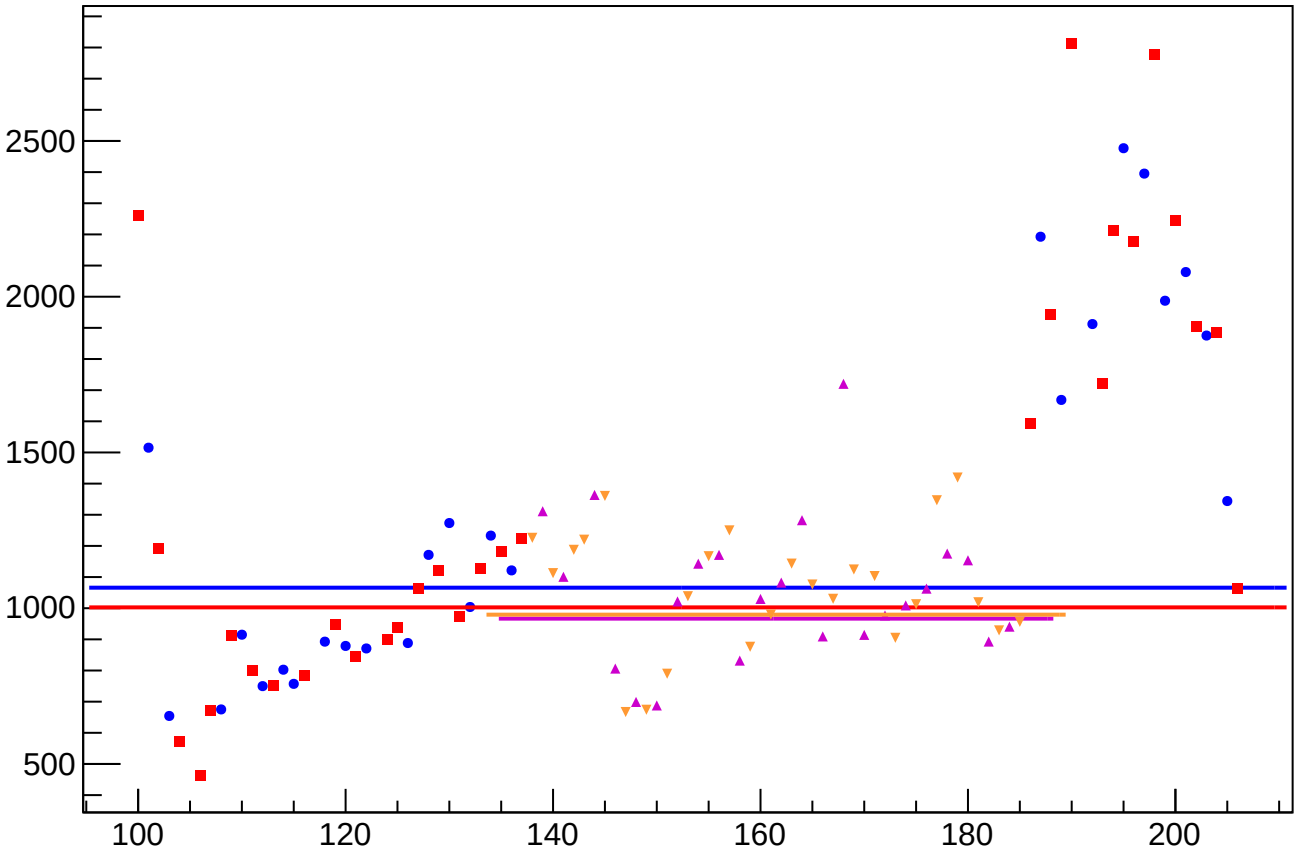
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -414.311+/-208.184 χ^2/NDF: 57.2/54

In: -81.259+/-185.887 χ^2/NDF:41.2/47

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -201.097+/-128.336 χ^2/NDF: 102.1/102



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

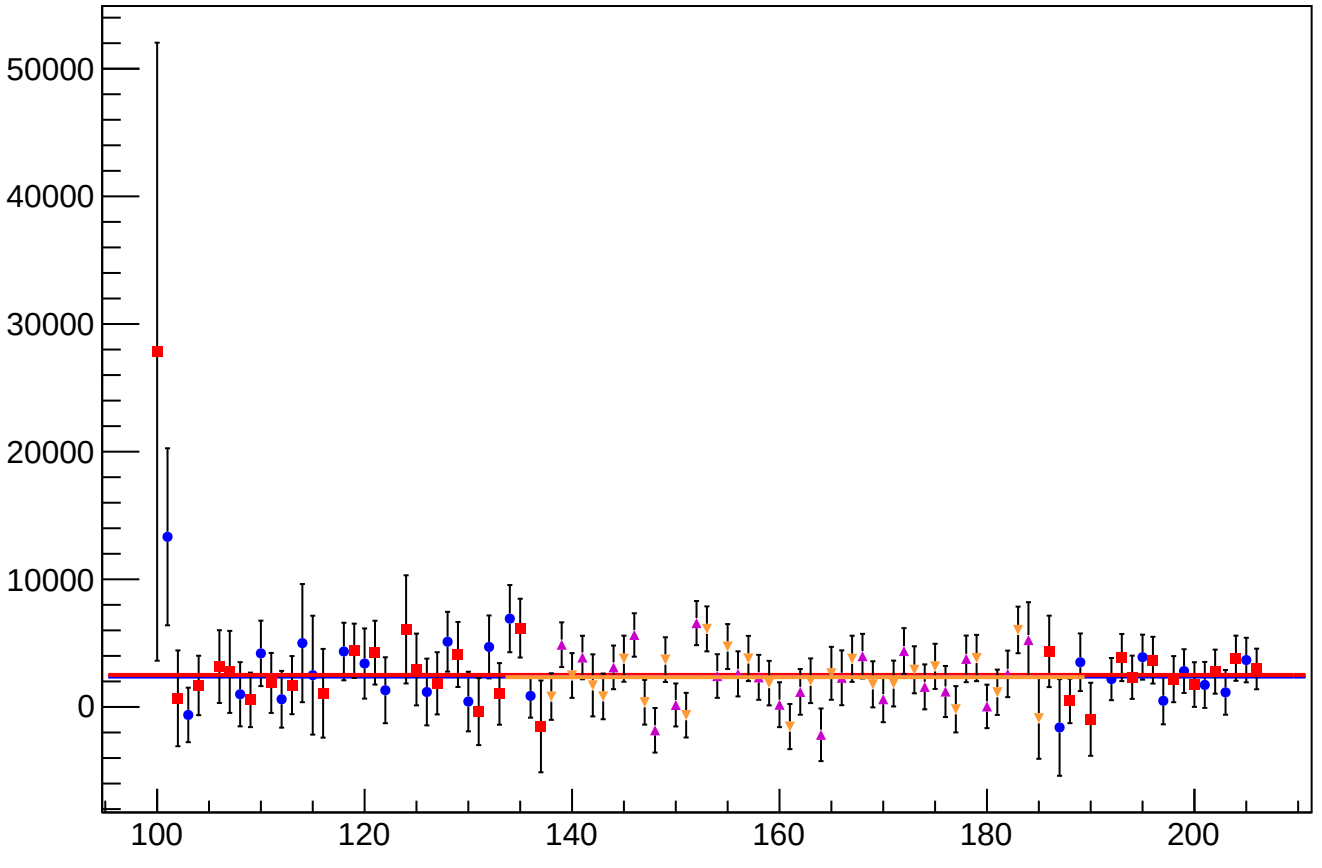
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1031.021+/-0.147 χ^2/NDF: 9991722.8/54

In: 1002.056+/-0.131 χ^2/NDF:5856381.5/47

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 995.041+/-0.091 χ^2/NDF: 13324436.0/10



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2510.120+/-414.247 χ^2/NDF: 15.7/29

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

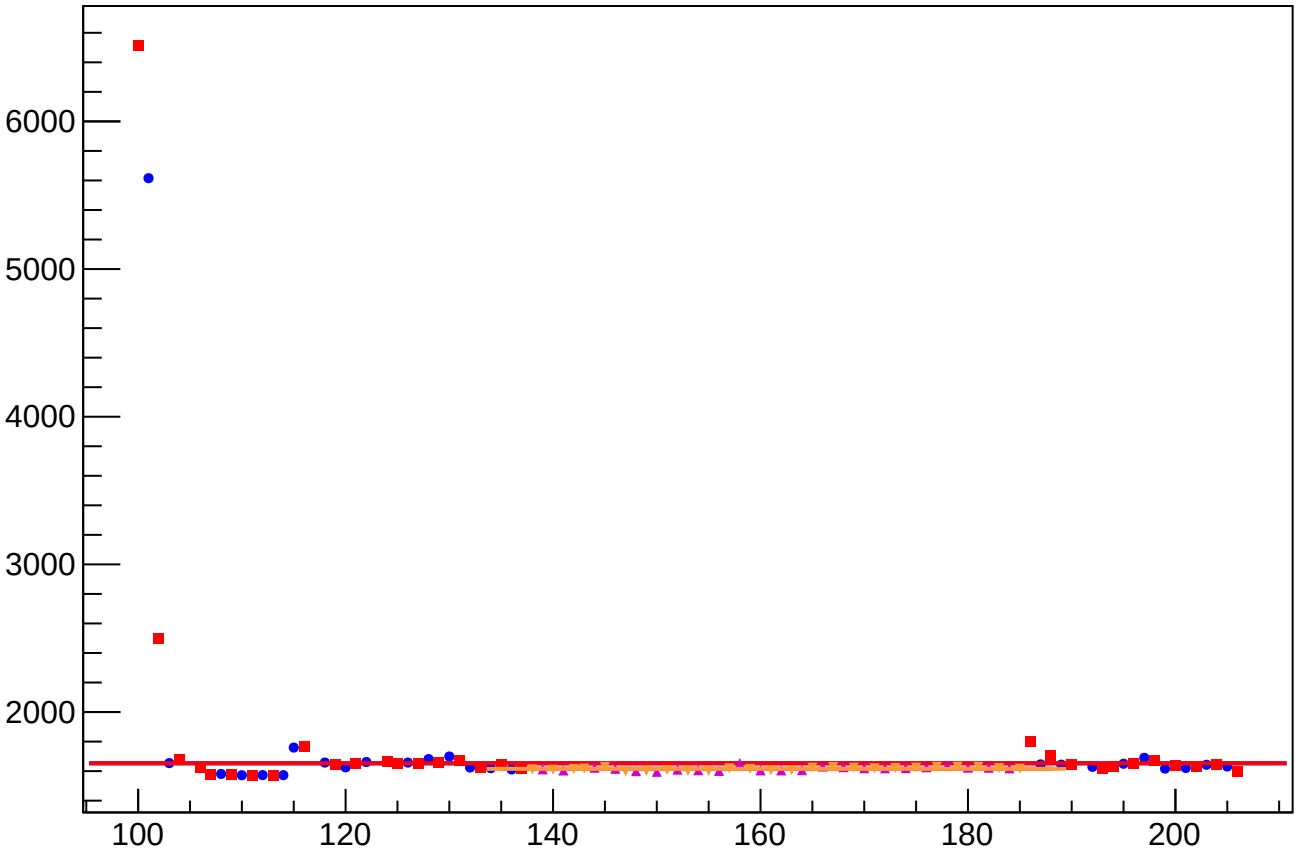
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2450.354+/-303.332 χ^2/NDF: 34.4/54

In: 2369.054+/-287.934 χ^2/NDF:52.7/47

Out: 2411.916+/-274.697 χ^2/NDF:44.0/54

All: 2391.493+/-198.755 χ^2/NDF: 96.7/102



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.3/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

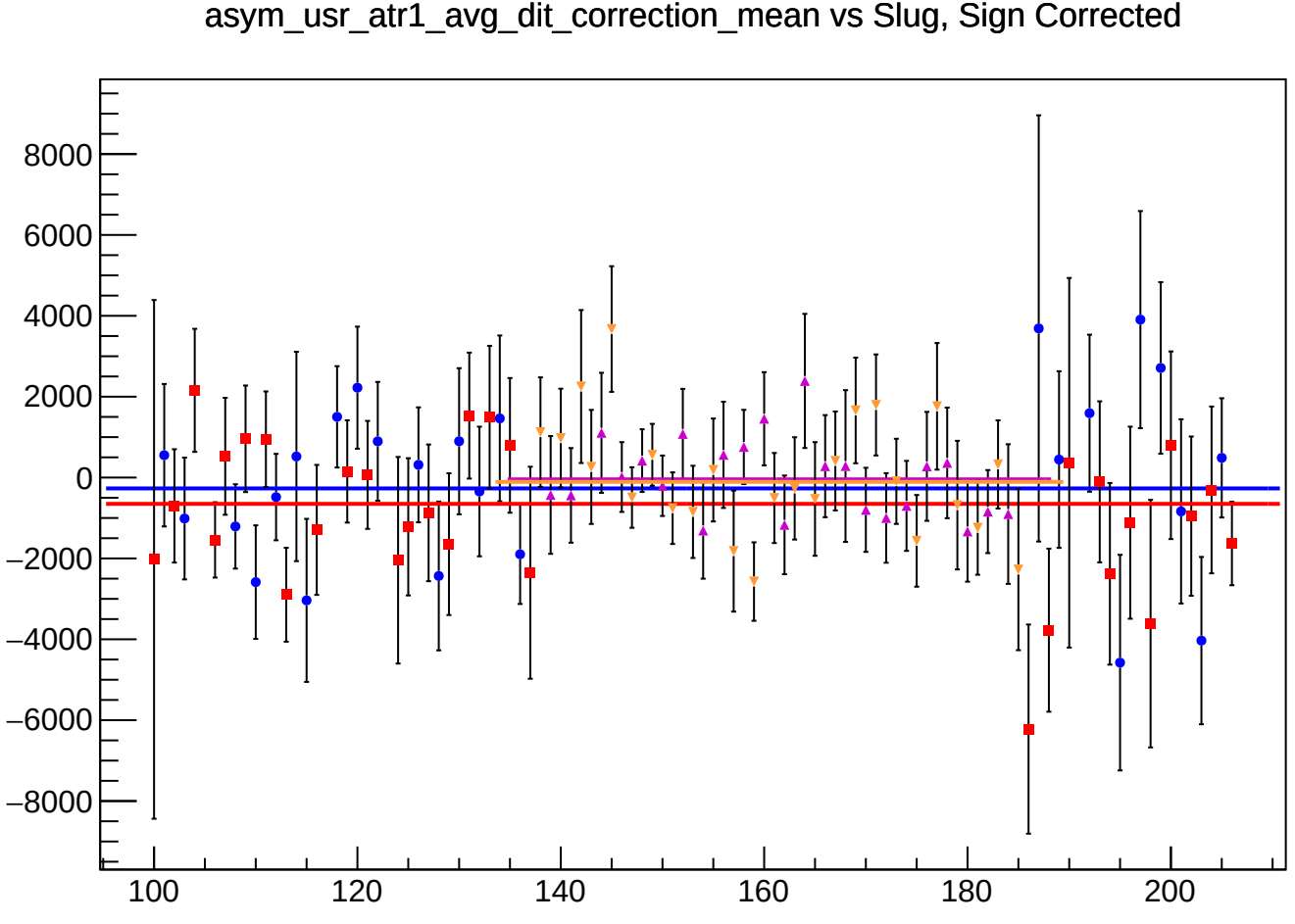
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

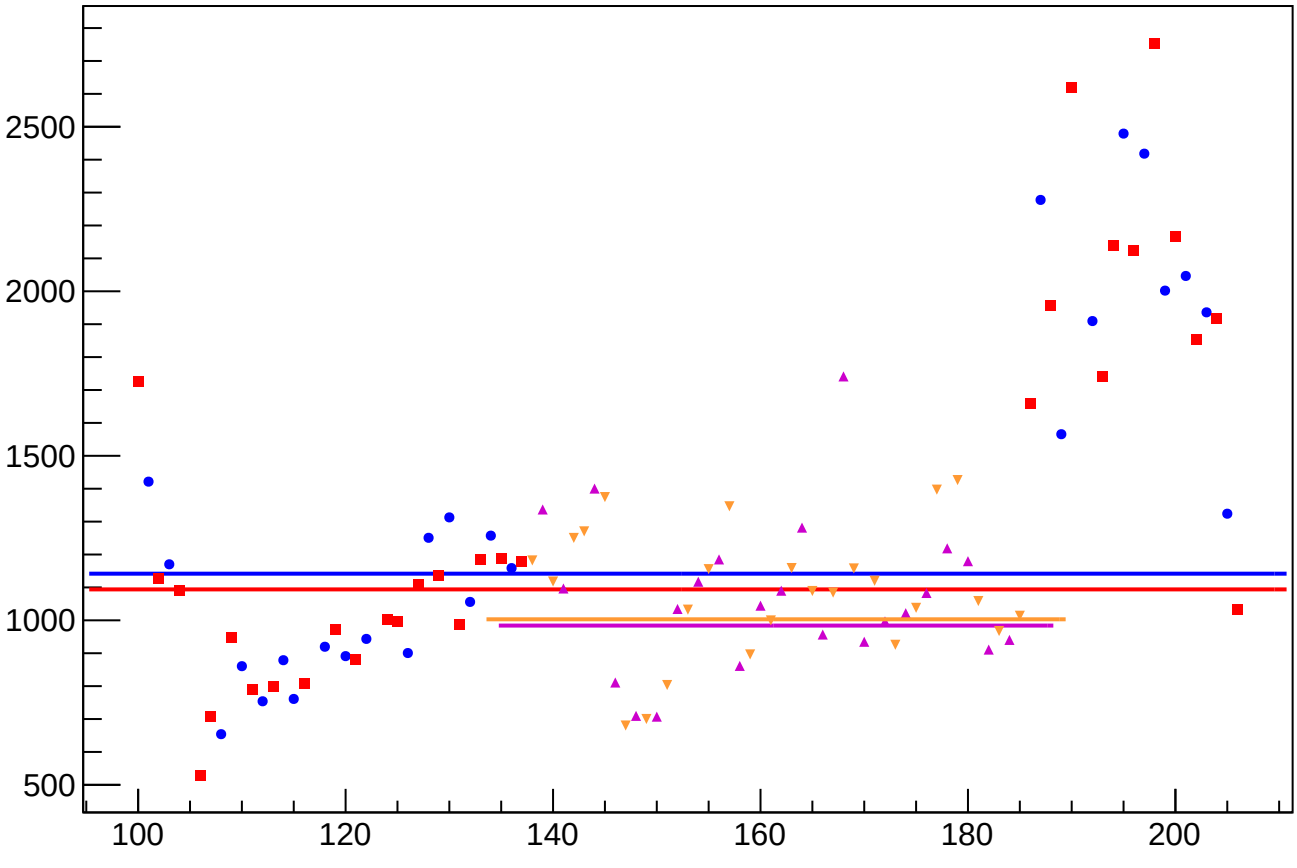
Right: 1653.012+/-0.214 χ^2/NDF: 872201.7/54

In: 1631.658+/-0.204 χ^2/NDF:677367.1/47

Out: 1632.088+/-0.194 χ^2/NDF:215846.0/54

All: 1631.883+/-0.141 χ^2/NDF: 893215.4/102


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -268.893+/-328.172 χ²/NDF: 28.0/24
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: -650.859+/-295.994 χ²/NDF: 28.4/29
Left In: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -75.591+/-166.182 χ²/NDF: 41.8/47
Right: -479.516+/-219.798 χ²/NDF: 57.2/54
In: -120.854+/-191.458 χ²/NDF:41.1/47
Out: -316.102+/-183.713 χ²/NDF:59.5/54
All: -222.507+/-132.558 χ²/NDF: 101.2/102



Right In: 1141.778+/-0.232 χ^2/NDF: 3579419.4/24

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1093.989+/-0.209 χ^2/NDF: 4698697.3/29

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

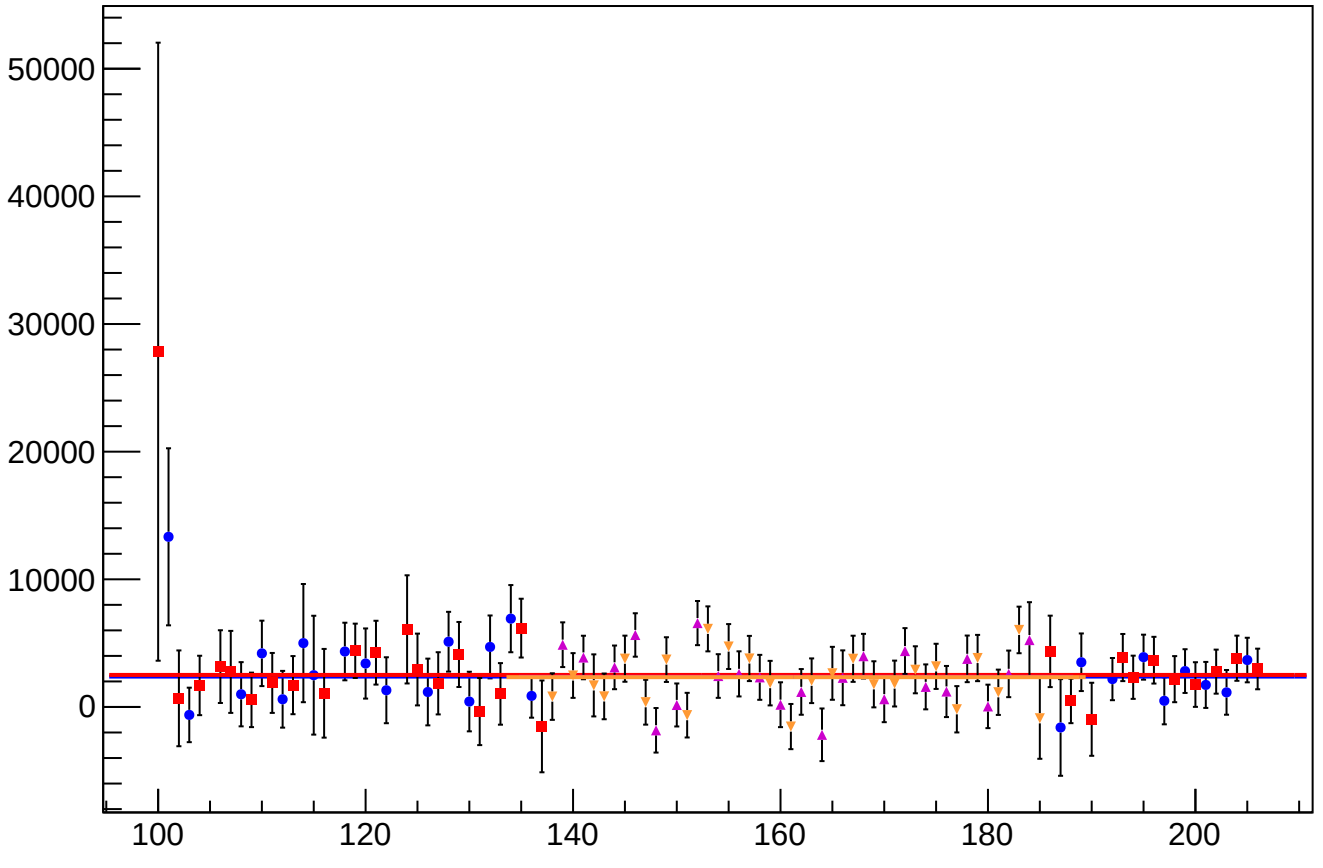
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1115.426+/-0.155 χ^2/NDF: 8301503.5/54

In: 1037.737+/-0.135 χ^2/NDF:5443722.8/47

Out: 1038.113+/-0.130 χ^2/NDF:6413041.6/54

All: 1037.933+/-0.094 χ^2/NDF: 11856768.5/1



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2510.118+/-414.247 χ^2/NDF: 15.7/29

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

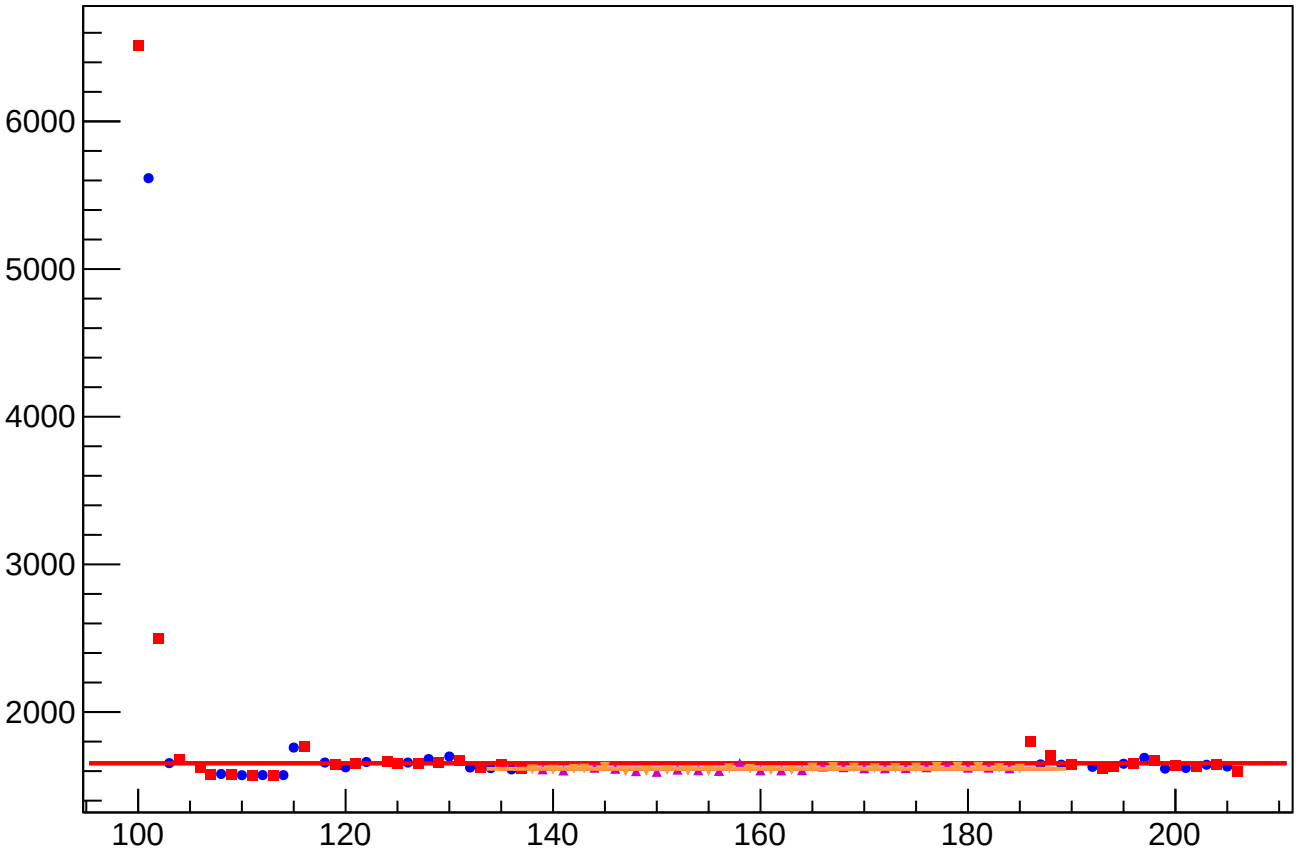
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2450.353+/-303.332 χ^2/NDF: 34.4/54

In: 2369.054+/-287.934 χ^2/NDF:52.7/47

Out: 2411.915+/-274.697 χ^2/NDF:44.0/54

All: 2391.492+/-198.755 χ^2/NDF: 96.7/102



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.2/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

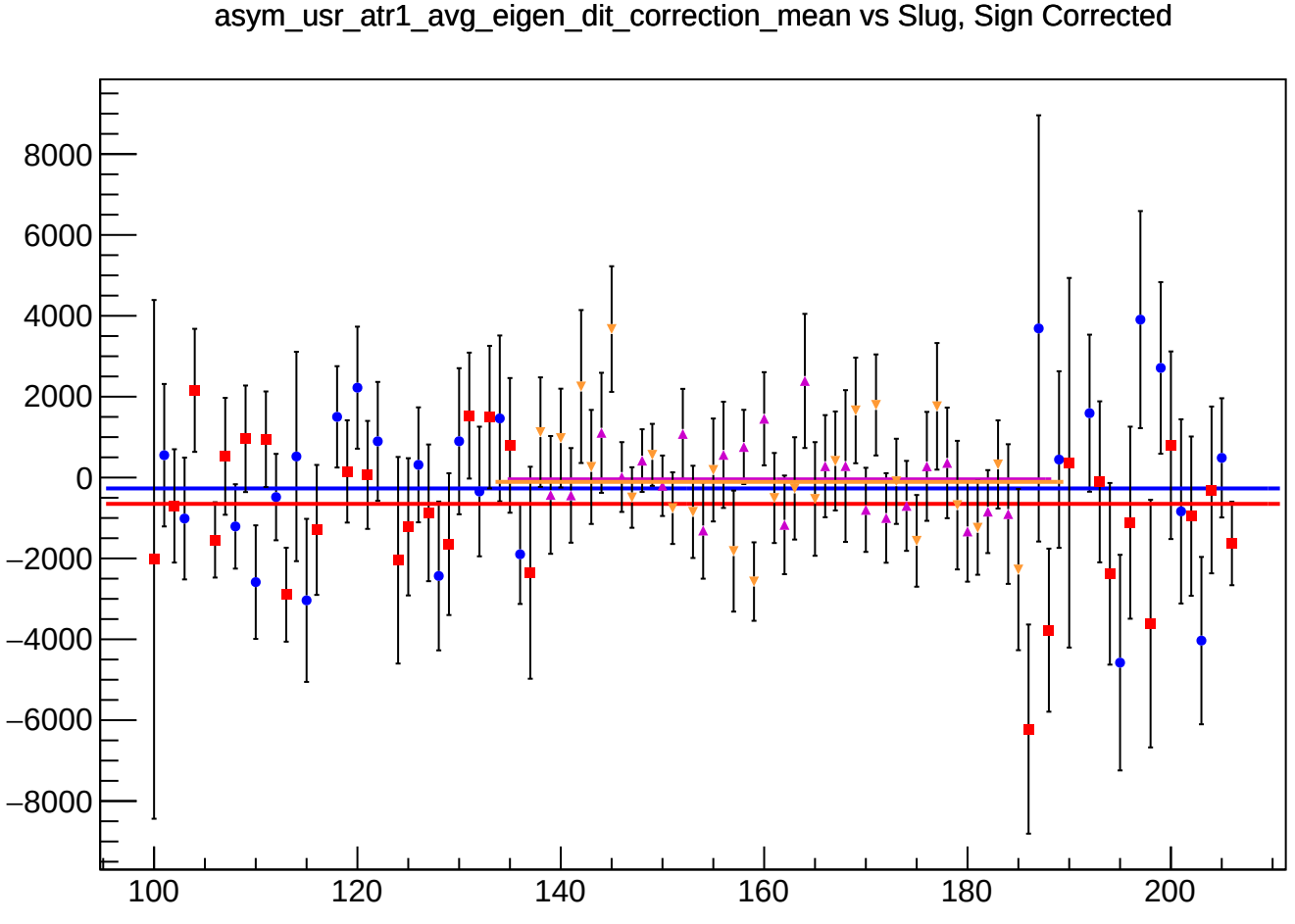
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

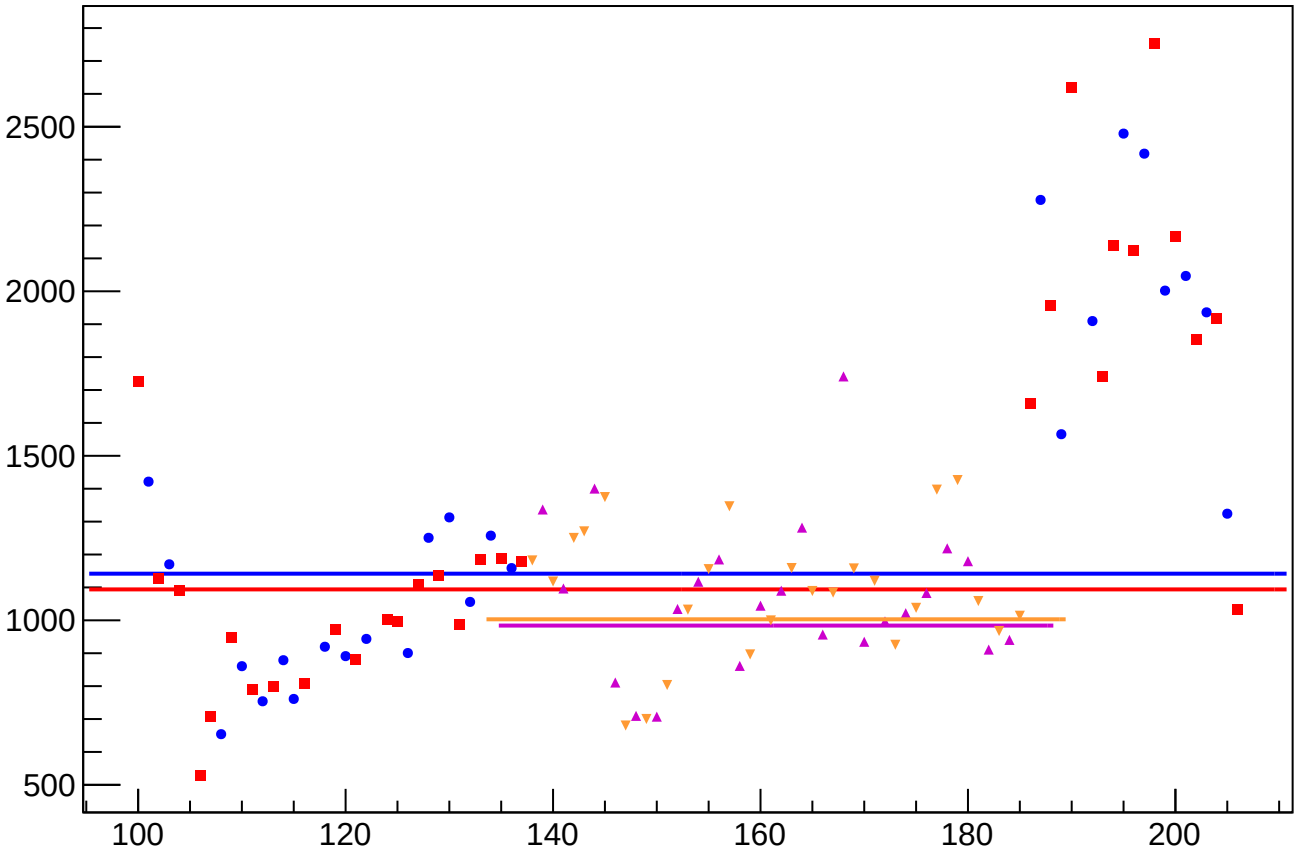
Right: 1653.012+/-0.214 χ^2/NDF: 872201.6/54

In: 1631.658+/-0.204 χ^2/NDF:677367.1/47

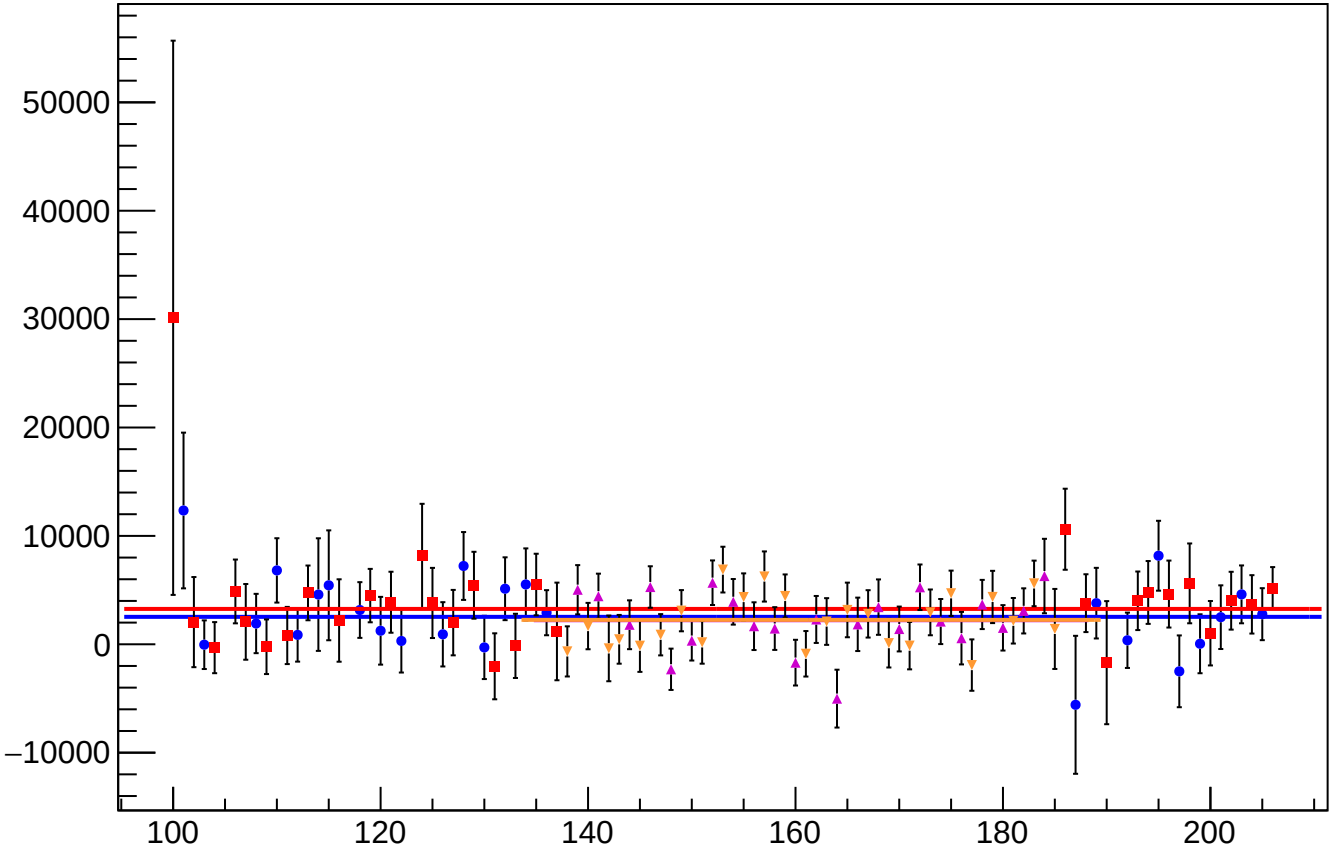
Out: 1632.088+/-0.194 χ^2/NDF:215845.8/54

All: 1631.883+/-0.141 χ^2/NDF: 893215.2/102


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -268.893+/-328.171 χ²/NDF: 28.0/24
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -650.856+/-295.993 χ²/NDF: 28.4/29
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -479.514+/-219.797 χ²/NDF: 57.2/54
In: -120.855+/-191.458 χ²/NDF:41.1/47
Out: -316.103+/-183.714 χ²/NDF:59.5/54
All: -222.507+/-132.558 χ²/NDF: 101.2/102


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1141.774+/-0.232 χ²/NDF: 3579462.6/24
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1093.986+/-0.209 χ²/NDF: 4698726.1/29
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1115.423+/-0.155 χ²/NDF: 8301574.2/54
In: 1037.737+/-0.135 χ²/NDF:5443745.8/47
Out: 1038.114+/-0.130 χ²/NDF:6413060.7/54
All: 1037.933+/-0.094 χ²/NDF: 11856810.5/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2531.037+/-589.711 χ^2/NDF: 21.5/24

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3262.533+/-547.049 χ^2/NDF: 21.6/29

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

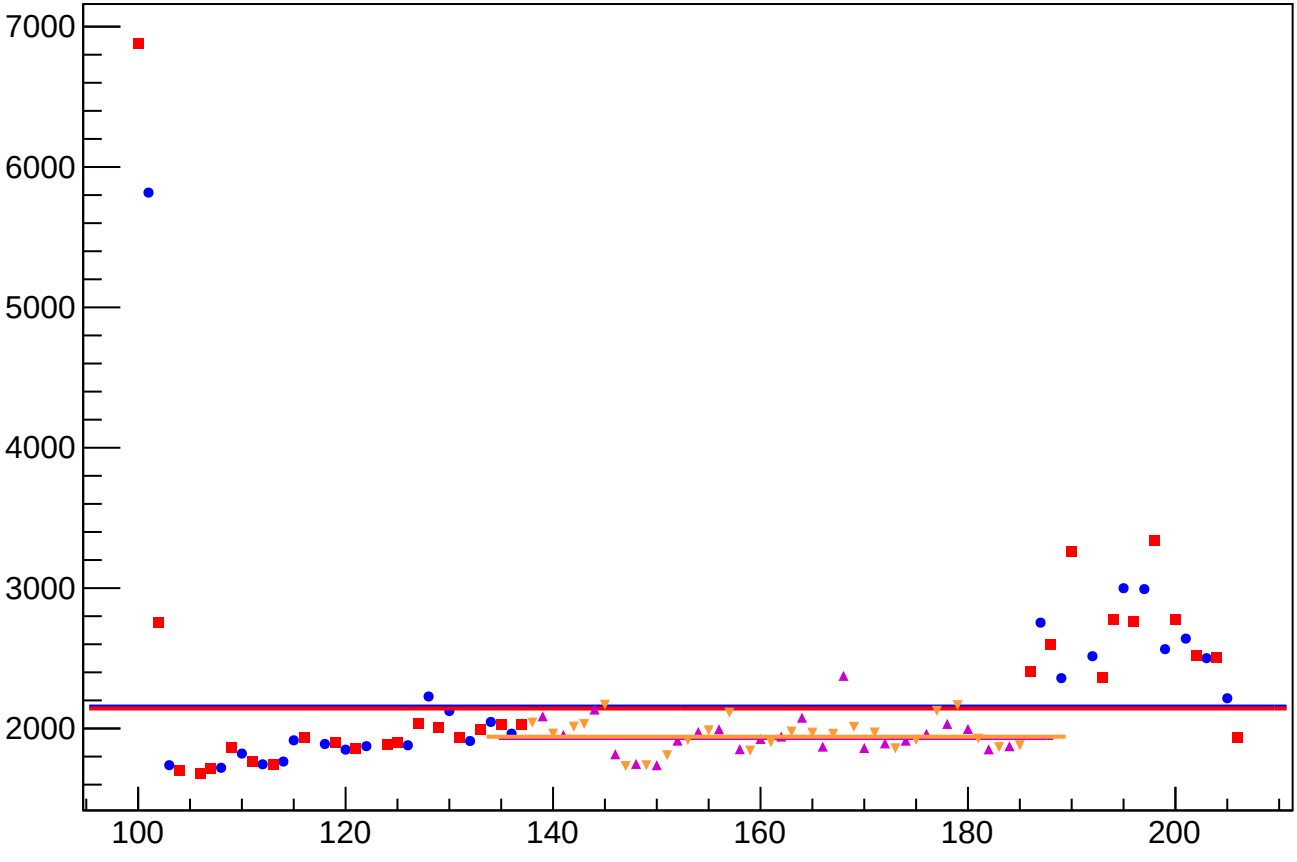
Right: 2924.199+/-401.057 χ^2/NDF: 43.9/54

In: 2334.821+/-358.886 χ^2/NDF:53.2/47

Out: 2651.595+/-343.903 χ^2/NDF:52.0/54

All: 2499.959+/-248.304 χ^2/NDF: 105.6/102

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2156.210+/-0.417 χ^2/NDF: 1311964.8/24

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2142.339+/-0.387 χ^2/NDF: 1205616.9/29

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

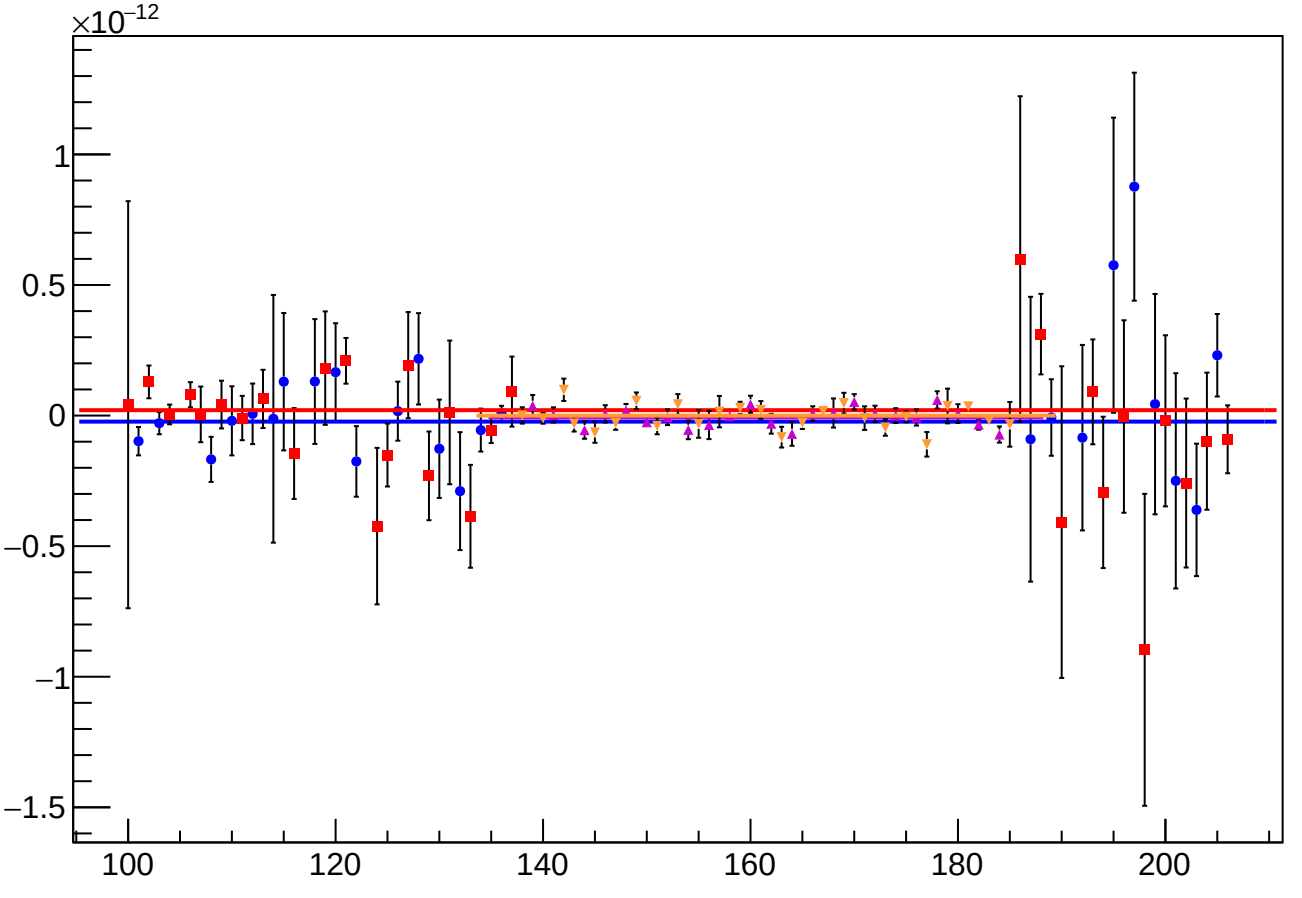
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2148.754+/-0.284 χ^2/NDF: 2518176.4/54

In: 2014.922+/-0.254 χ^2/NDF:1654178.7/47

Out: 2020.922+/-0.243 χ^2/NDF:1507529.3/54

All: 2018.050+/-0.176 χ^2/NDF: 3161999.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

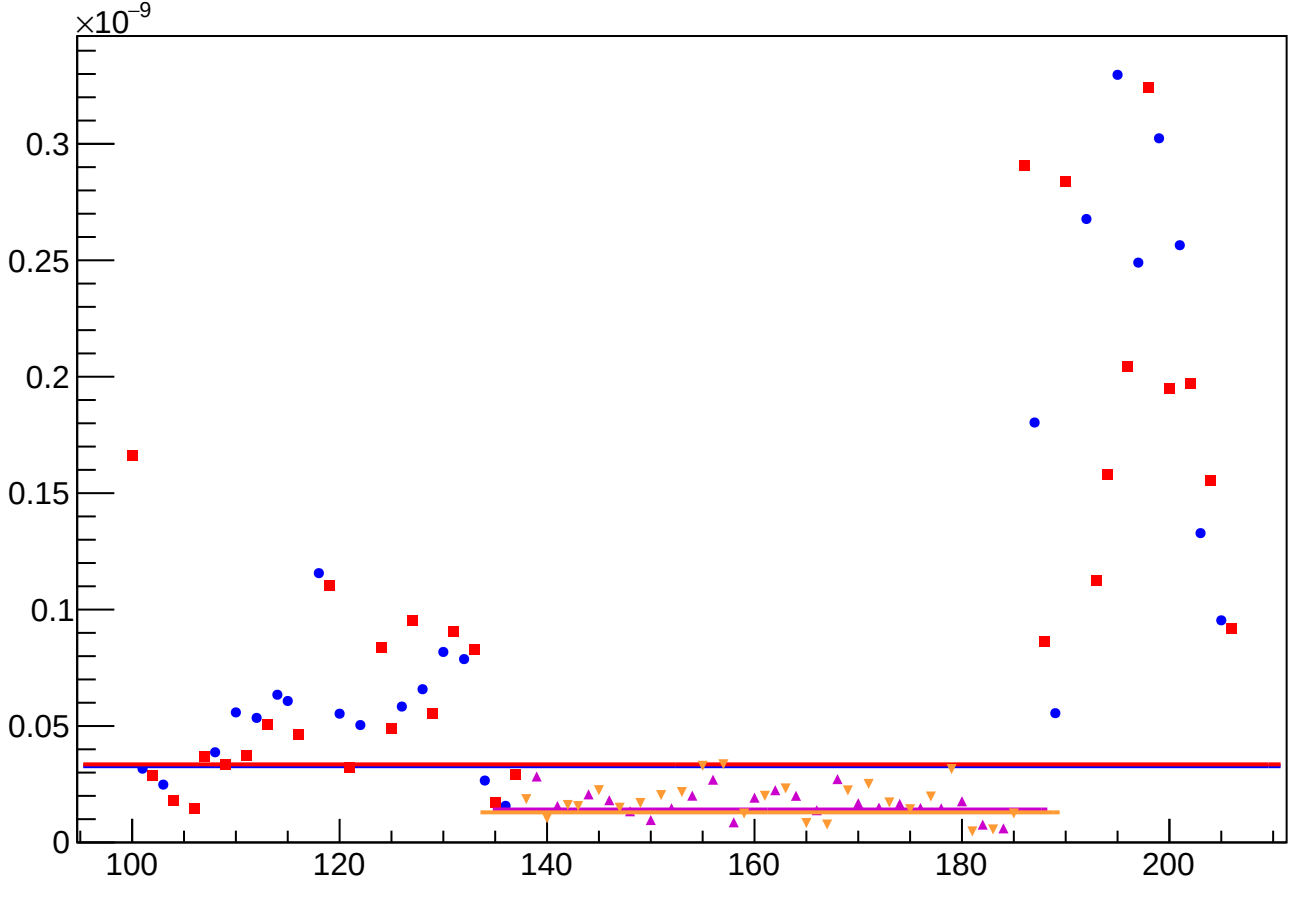
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 61.4/54

In: -0.000+/-0.000 χ^2/NDF:51.1/47

Out: 0.000+/-0.000 χ^2/NDF:77.2/54

All: -0.000+/-0.000 χ^2/NDF: 129.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 5749579.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6119986.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

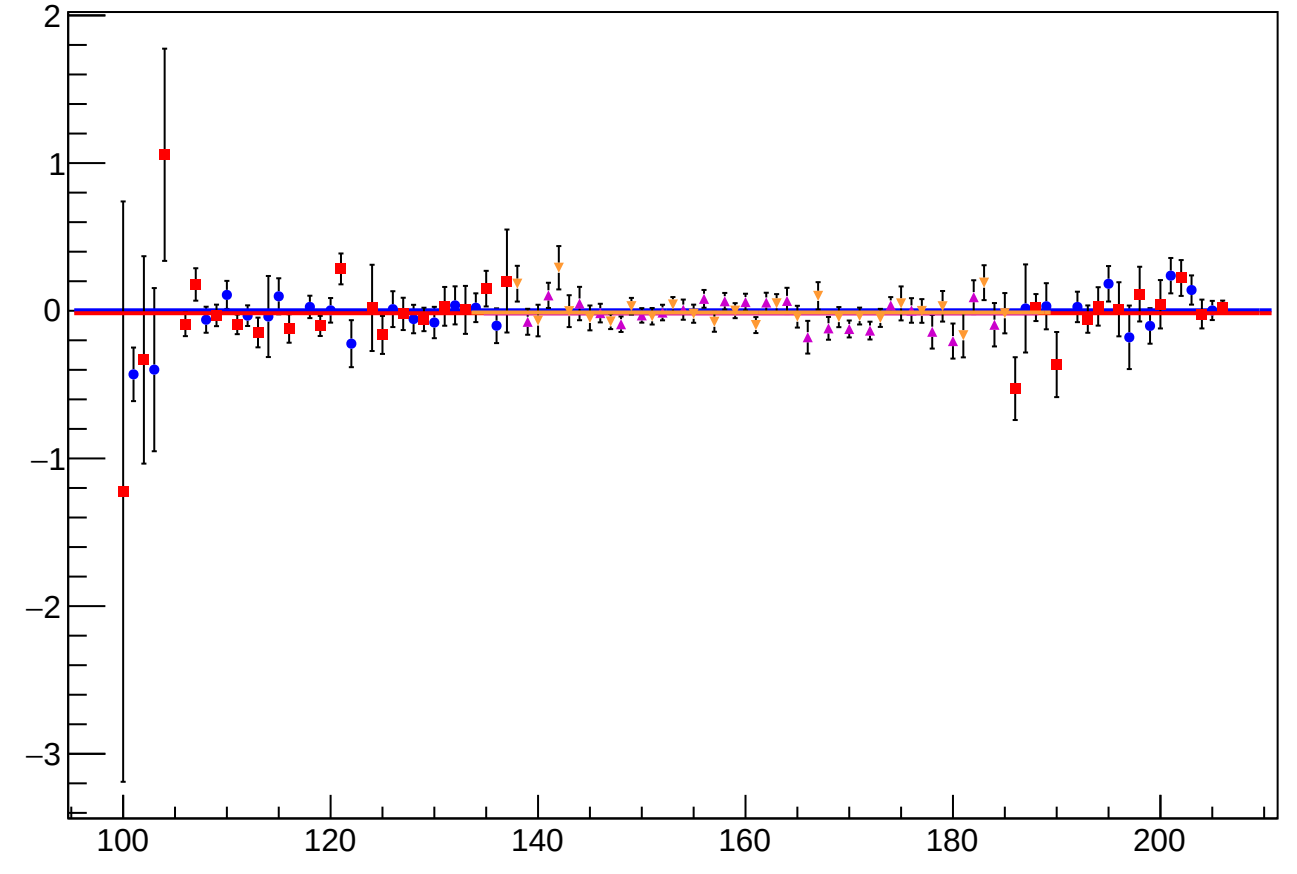
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11871316.8/54

In: 0.000+/-0.000 χ^2/NDF:9059455.2/47

Out: 0.000+/-0.000 χ^2/NDF:11163488.5/54

All: 0.000+/-0.000 χ^2/NDF: 20273899.8/102



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.017+/-0.019 χ^2/NDF: 39.0/29

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

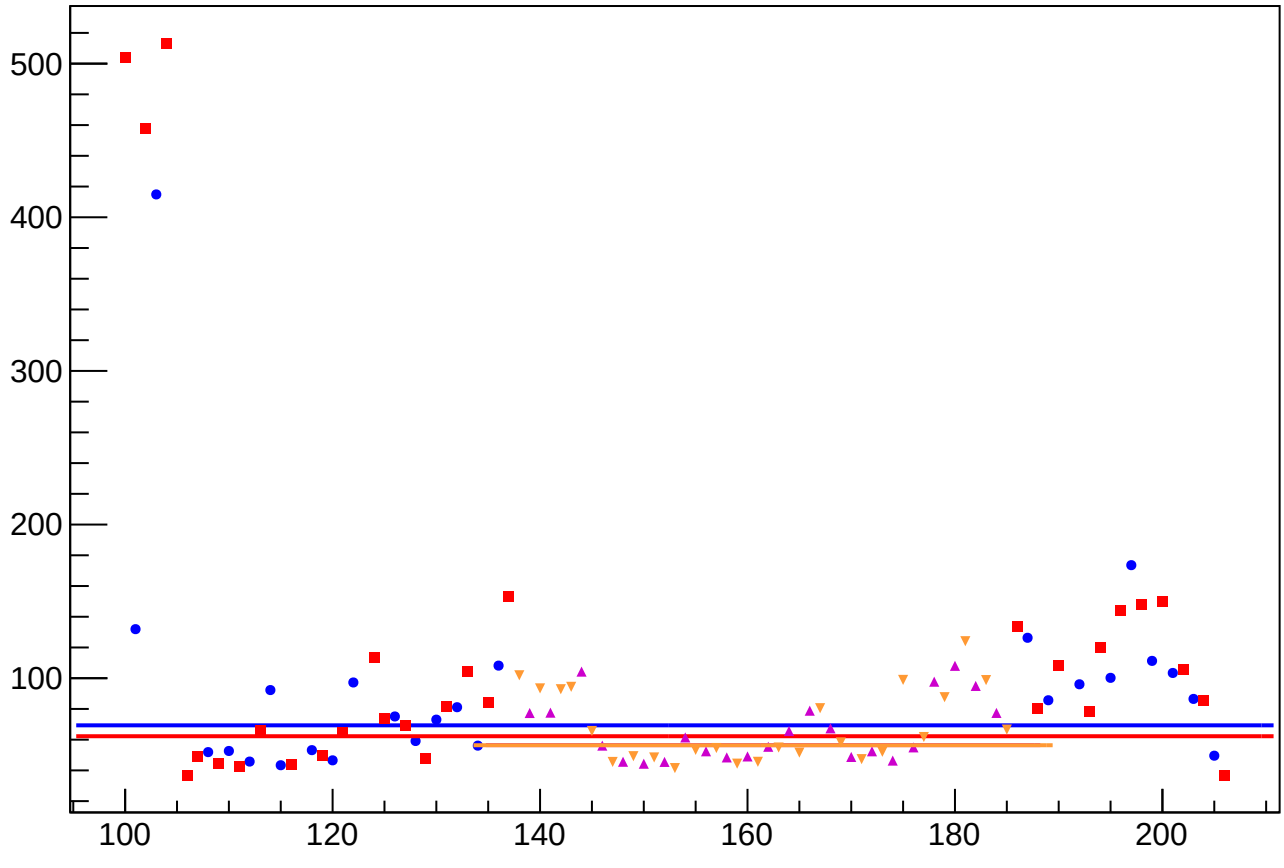
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.008+/-0.014 χ^2/NDF: 61.8/54

In: -0.011+/-0.012 χ^2/NDF:53.7/47

Out: -0.014+/-0.011 χ^2/NDF:60.8/54

All: -0.012+/-0.008 χ^2/NDF: 114.5/102



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

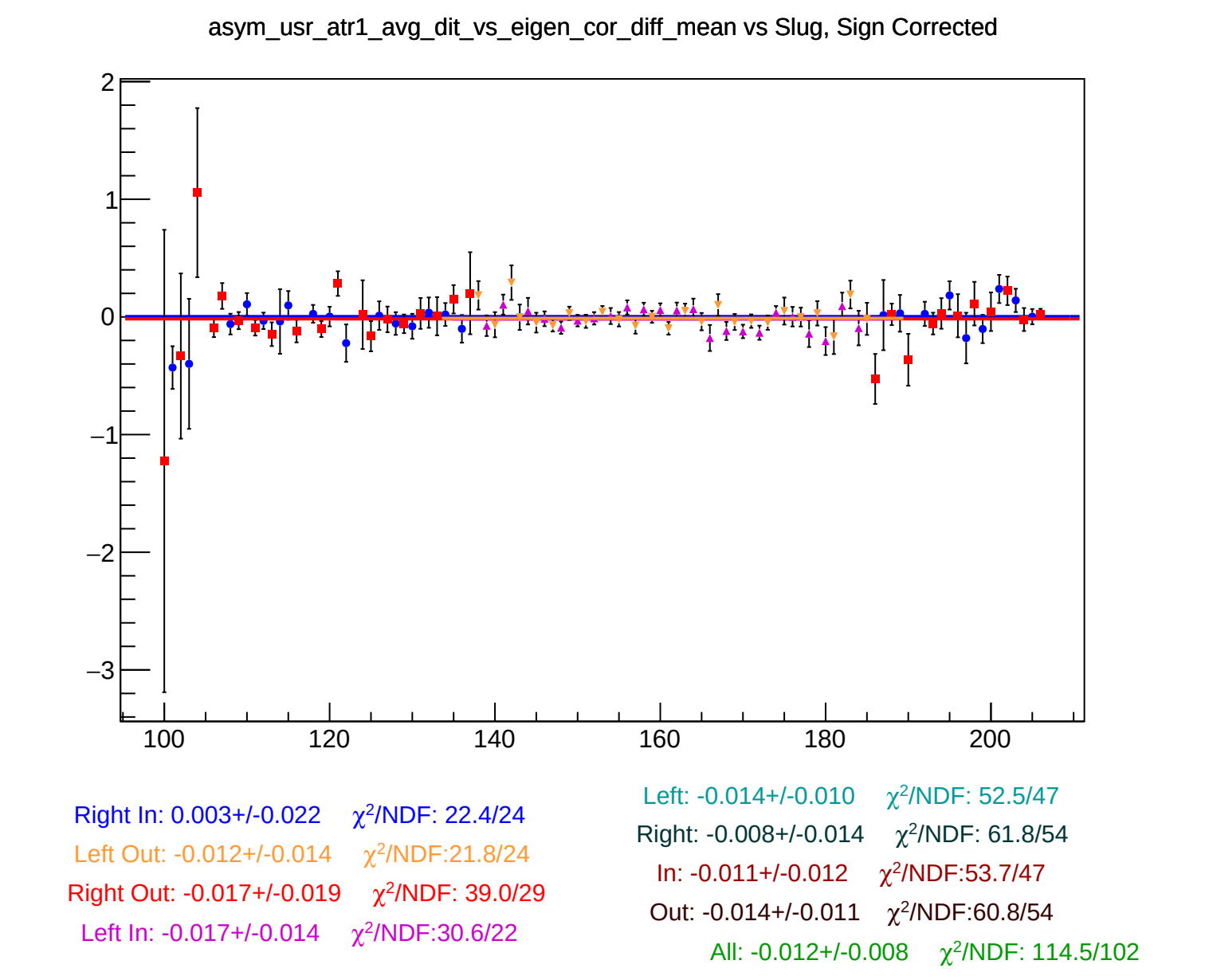
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.320+/-0.010 χ^2/NDF: 9707966.9/54

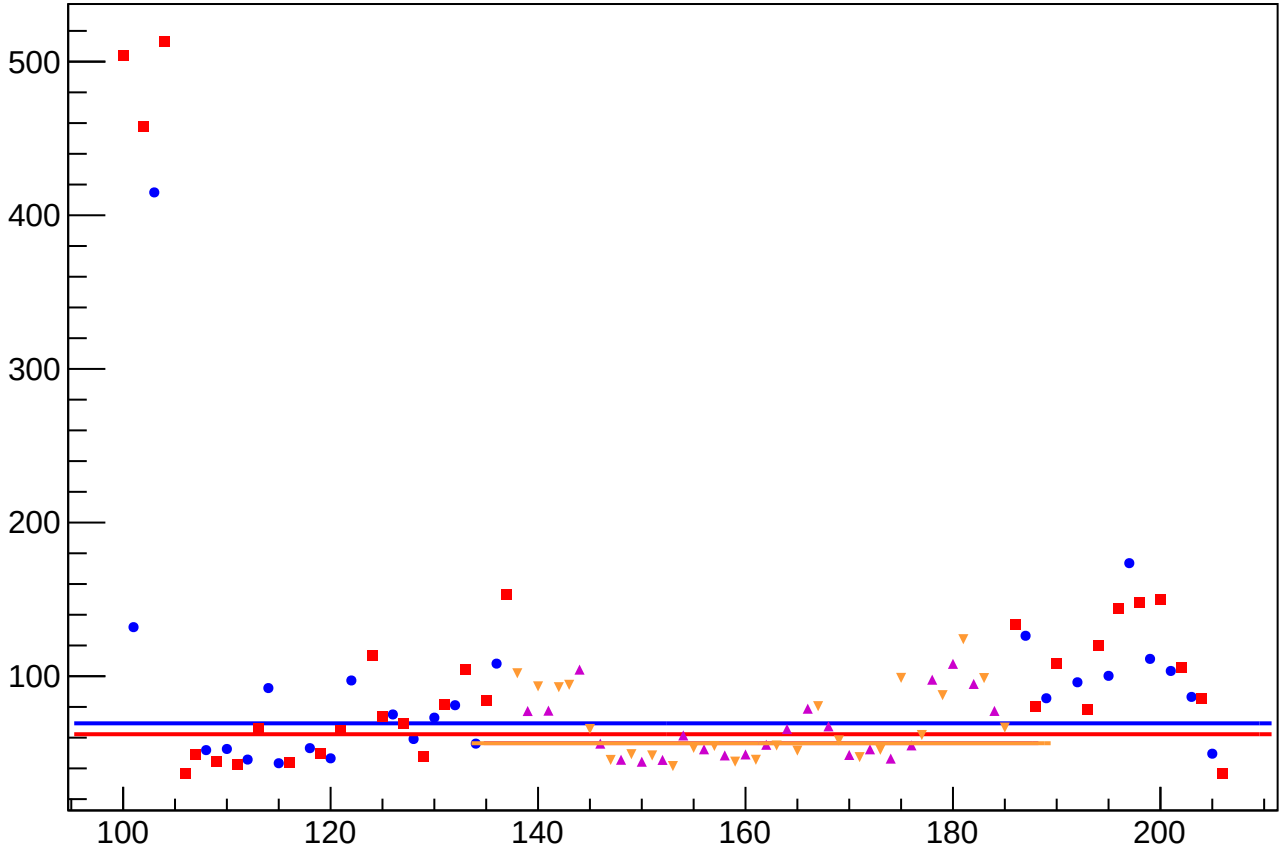
In: 60.443+/-0.009 χ^2/NDF:6204471.6/47

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 59.420+/-0.006 χ^2/NDF: 15160487.2/102


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.022 χ²/NDF: 22.4/24
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 39.0/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.008+/-0.014 χ²/NDF: 61.8/54
In: -0.011+/-0.012 χ²/NDF:53.7/47
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.012+/-0.008 χ²/NDF: 114.5/102

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

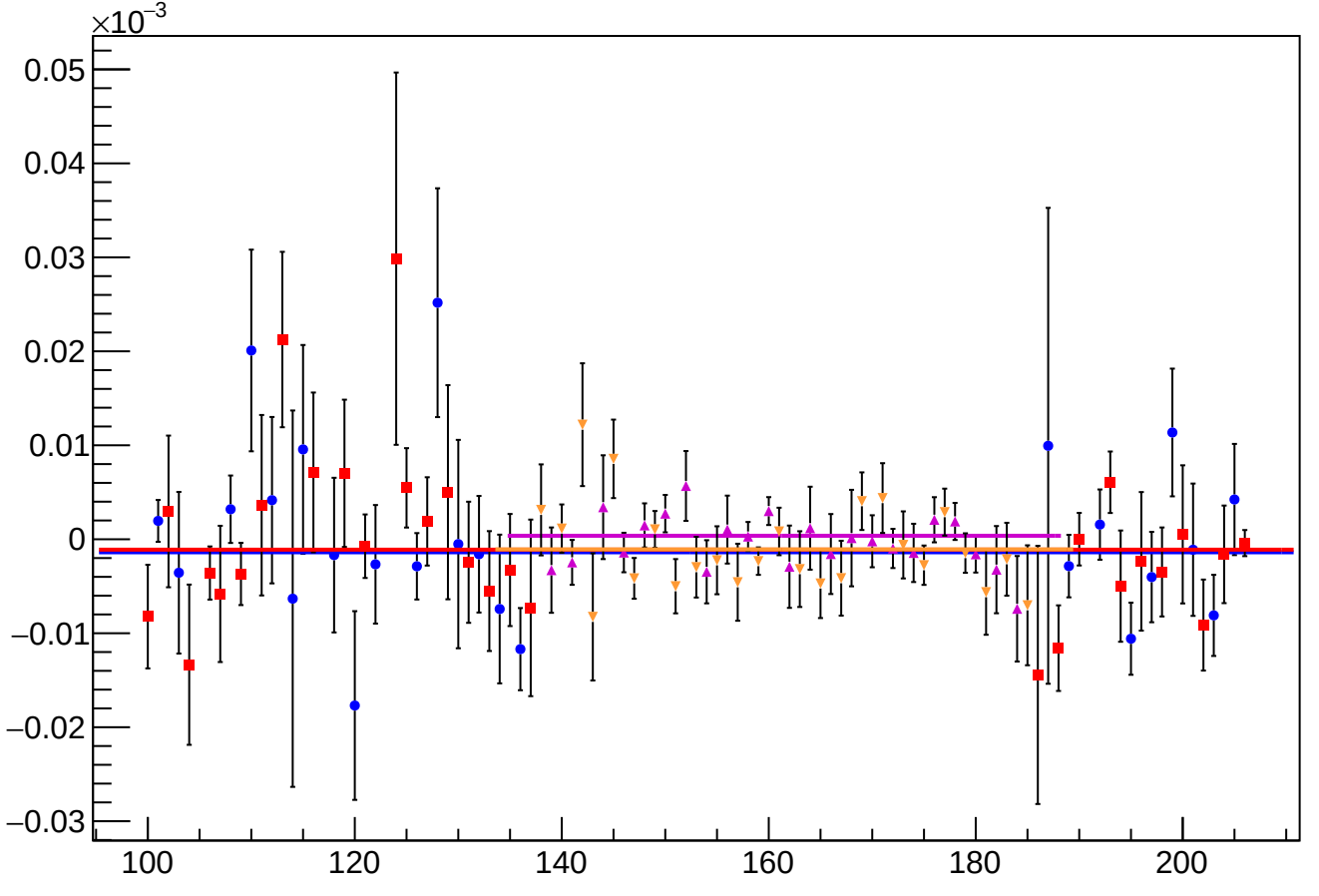
Right: 65.320+/-0.010 χ^2/NDF: 9707966.9/54

In: 60.443+/-0.009 χ^2/NDF:6204471.6/47

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 59.420+/-0.006 χ^2/NDF: 15160487.2/102

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

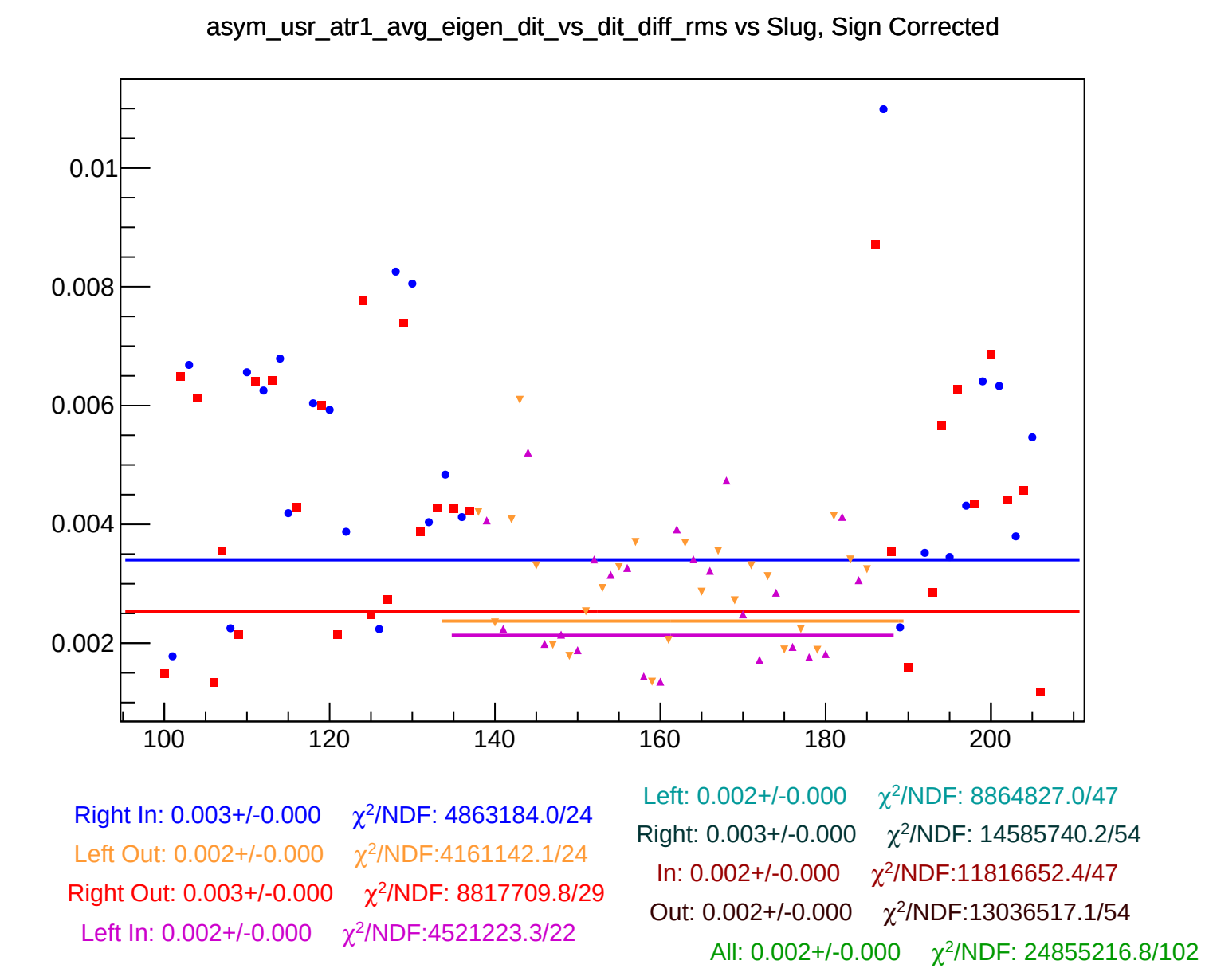
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

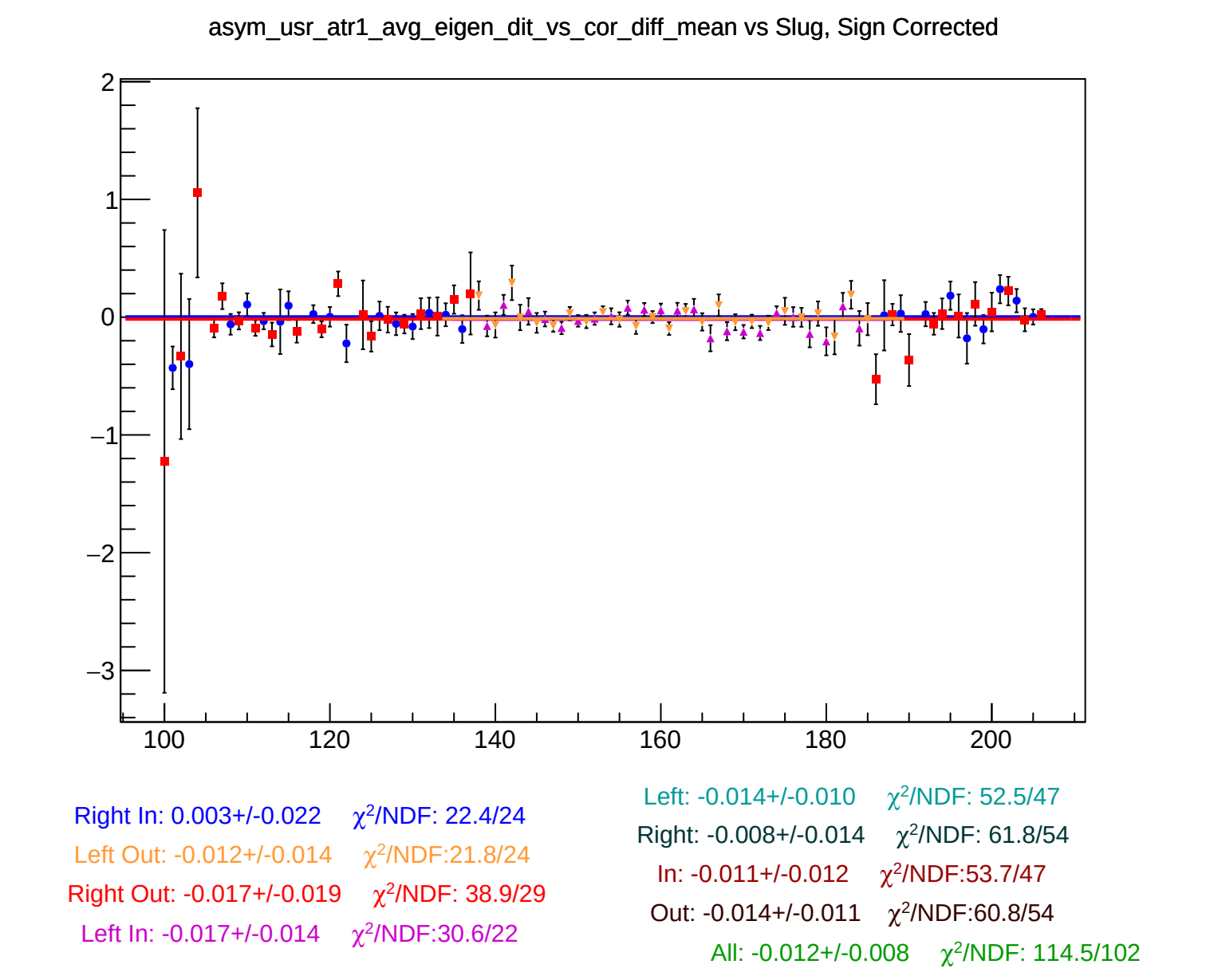
Right: -0.000+/-0.000 χ^2/NDF: 72.5/54

In: -0.000+/-0.000 χ^2/NDF:56.9/47

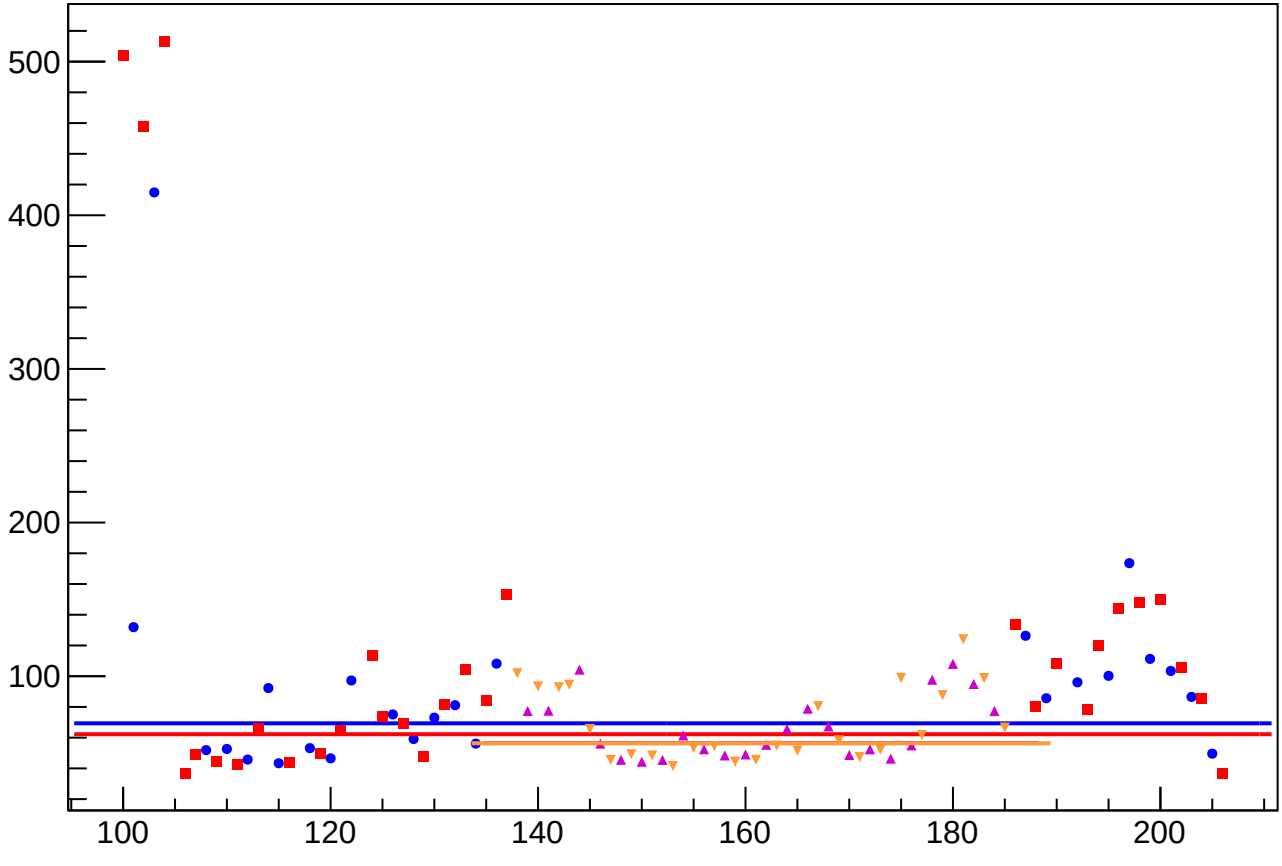
Out: -0.000+/-0.000 χ^2/NDF:67.0/54

All: -0.000+/-0.000 χ^2/NDF: 126.4/102


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4863184.0/24
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 8817709.8/29
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 14585740.2/54
In: 0.002+/-0.000 χ²/NDF:11816652.4/47
Out: 0.002+/-0.000 χ²/NDF:13036517.1/54
All: 0.002+/-0.000 χ²/NDF: 24855216.8/102


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.022 χ²/NDF: 22.4/24
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 38.9/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.008+/-0.014 χ²/NDF: 61.8/54
In: -0.011+/-0.012 χ²/NDF:53.7/47
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.012+/-0.008 χ²/NDF: 114.5/102

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

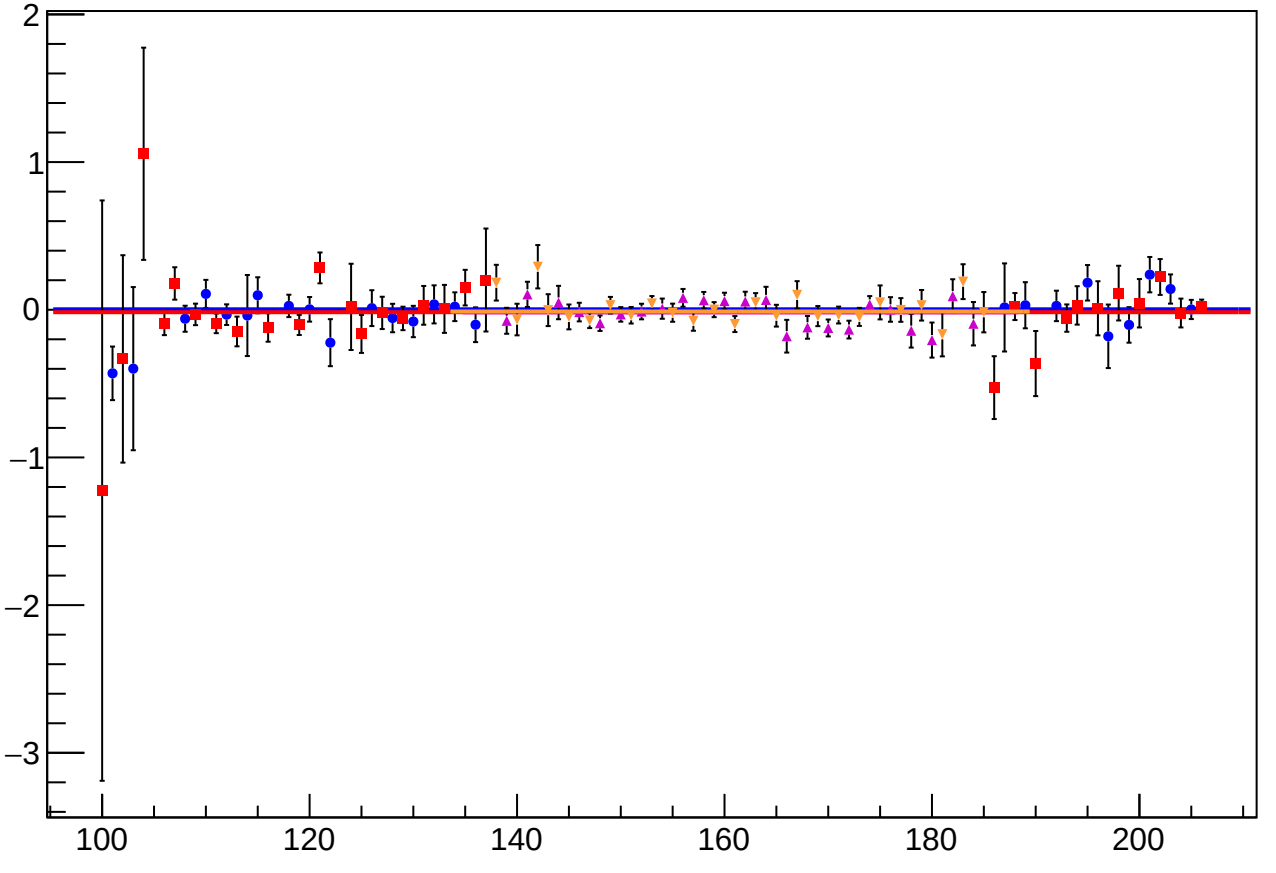
Right: 65.320+/-0.010 χ^2/NDF: 9707976.5/54

In: 60.443+/-0.009 χ^2/NDF:6204383.6/47

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 59.420+/-0.006 χ^2/NDF: 15160473.2/102

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.017+/-0.019 χ^2/NDF: 38.9/29

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

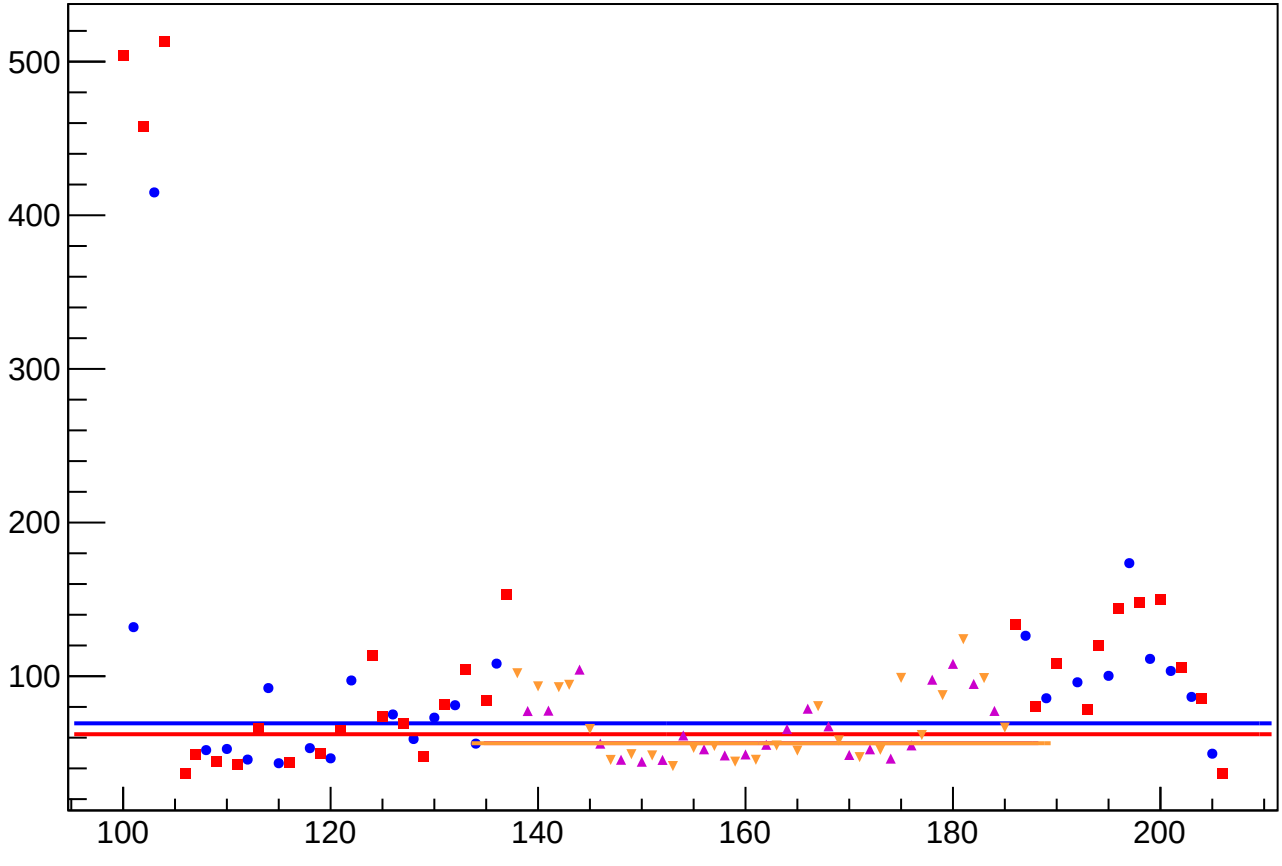
Right: -0.008+/-0.014 χ^2/NDF: 61.8/54

In: -0.011+/-0.012 χ^2/NDF:53.7/47

Out: -0.014+/-0.011 χ^2/NDF:60.8/54

All: -0.012+/-0.008 χ^2/NDF: 114.5/102

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

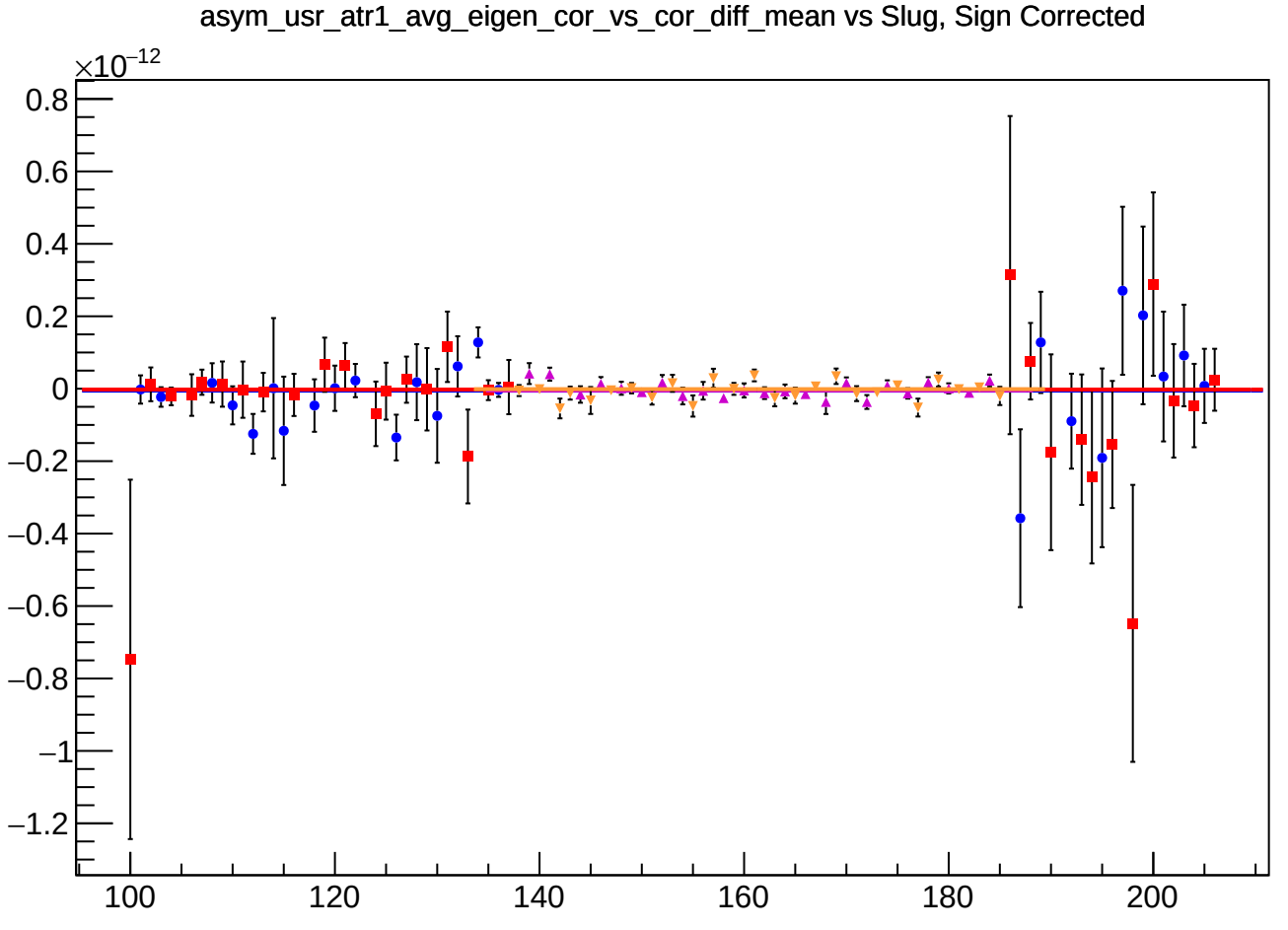
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.320+/-0.010 χ^2/NDF: 9707976.5/54

In: 60.443+/-0.009 χ^2/NDF:6204383.6/47

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 59.420+/-0.006 χ^2/NDF: 15160473.2/102



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/29

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

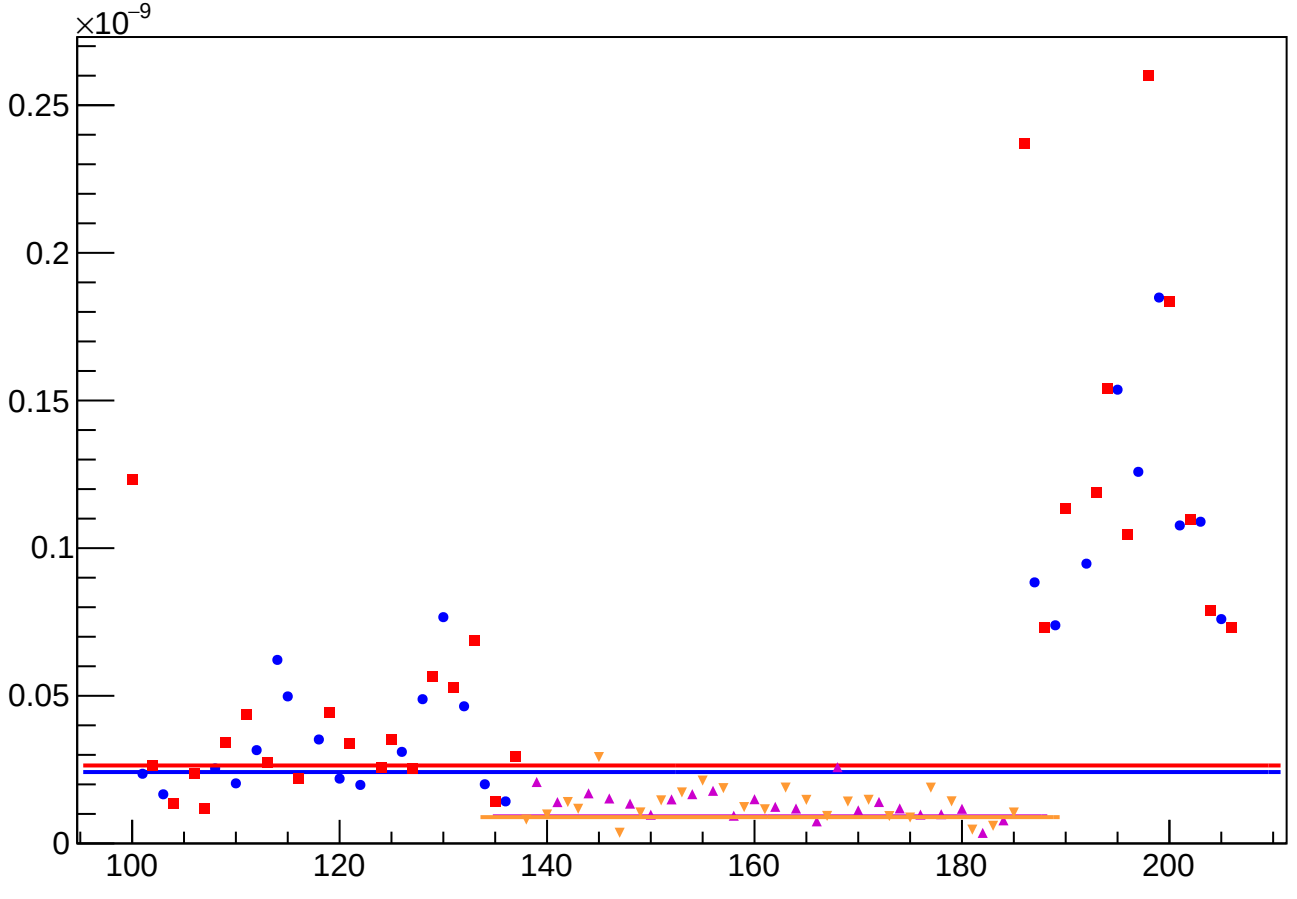
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.2/54

In: -0.000+/-0.000 χ^2/NDF:57.6/47

Out: -0.000+/-0.000 χ^2/NDF:47.6/54

All: -0.000+/-0.000 χ^2/NDF: 106.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 6000362.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7842958.2/29

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

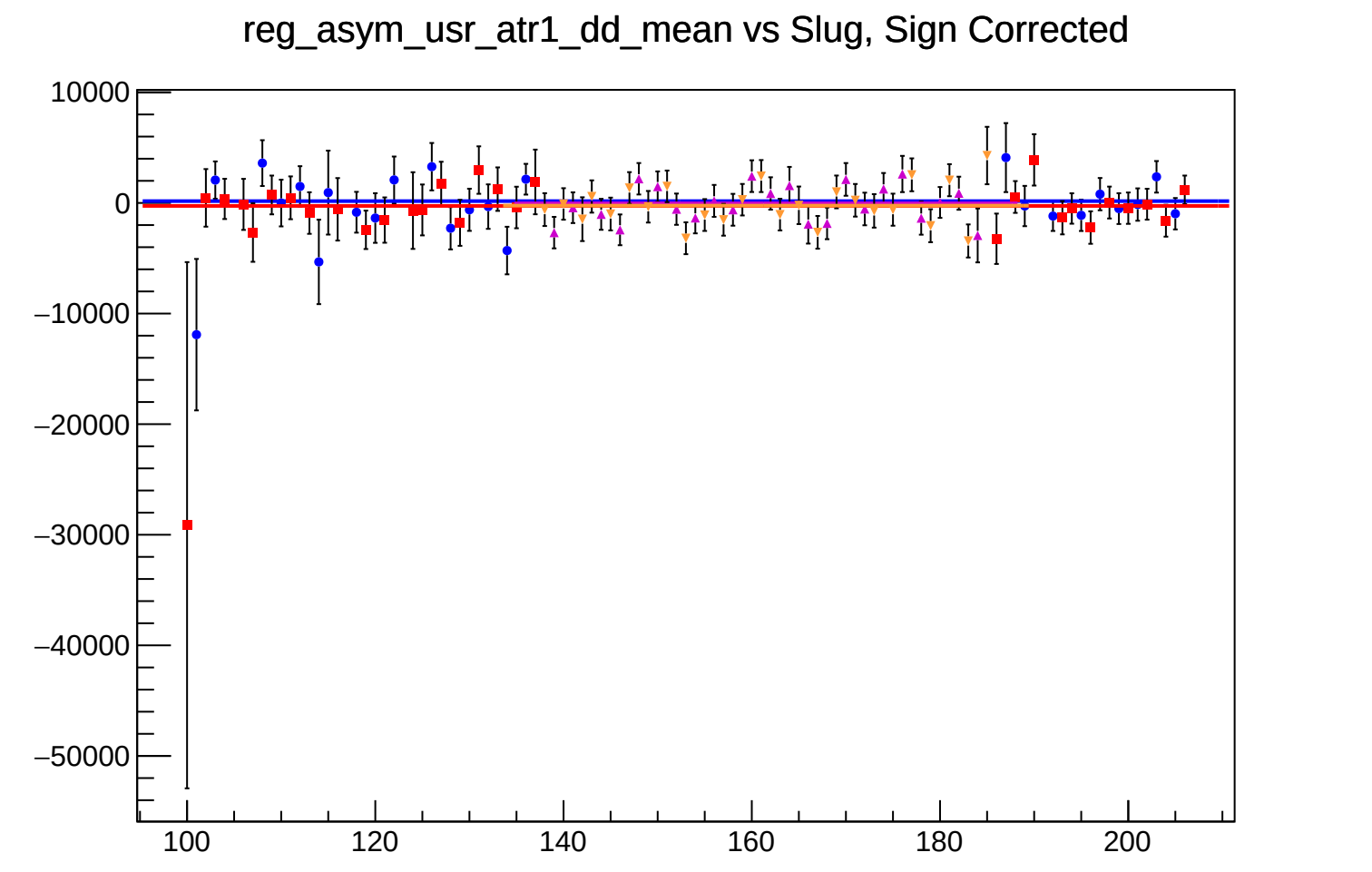
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

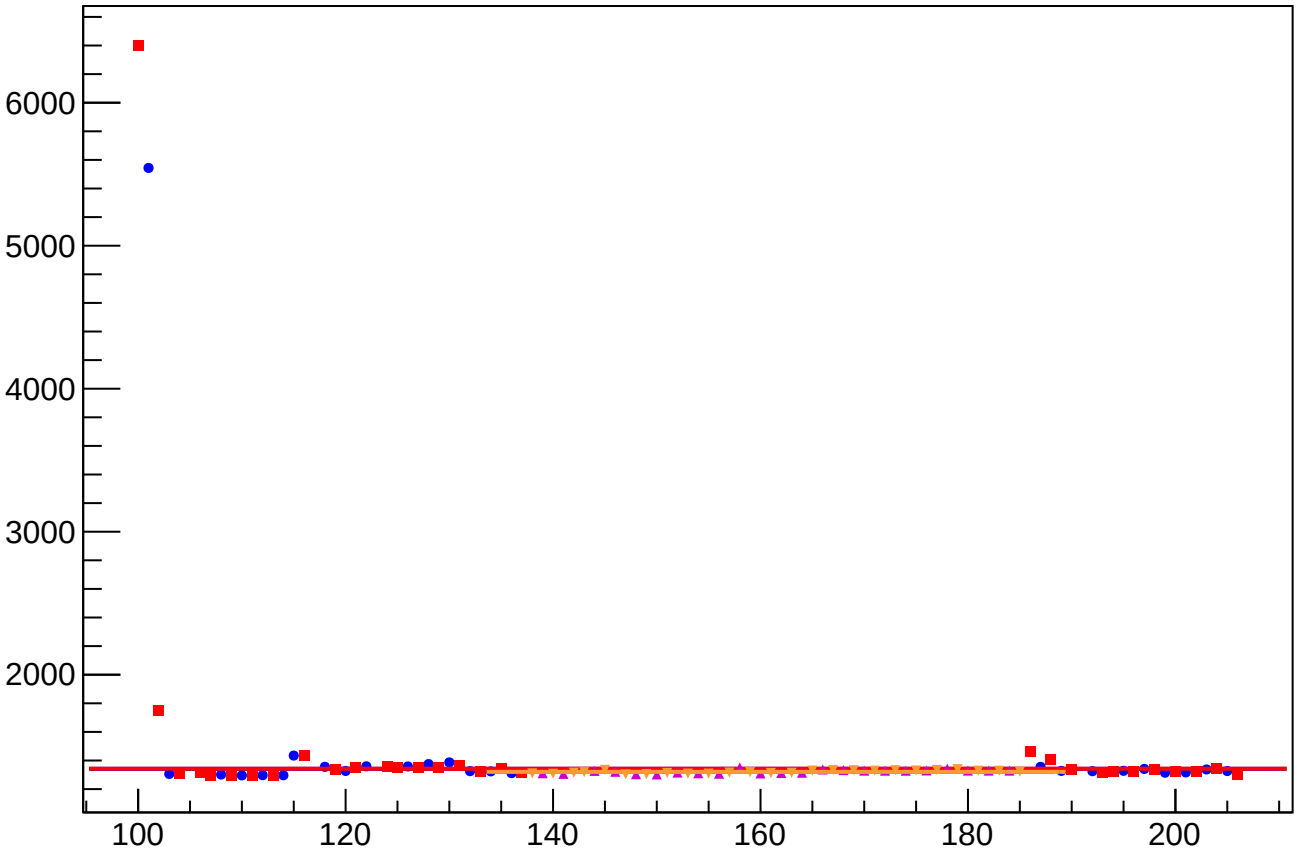
Right: 0.000+/-0.000 χ^2/NDF: 13882215.8/54

In: 0.000+/-0.000 χ^2/NDF:14516378.8/47

Out: 0.000+/-0.000 χ^2/NDF:17225281.6/54

All: 0.000+/-0.000 χ^2/NDF: 31749346.6/102


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 166.529+/-362.147 χ²/NDF: 28.7/24
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -268.555+/-336.074 χ²/NDF: 19.8/29
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: -67.237+/-246.343 χ²/NDF: 49.2/54
In: 47.397+/-234.896 χ²/NDF:56.0/47
Out: -253.150+/-223.806 χ²/NDF:51.5/54
All: -110.138+/-162.034 χ²/NDF: 108.3/102



Right In: 1341.751+/-0.256 χ^2/NDF: 764111.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.687+/-0.238 χ^2/NDF: 161588.8/29

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

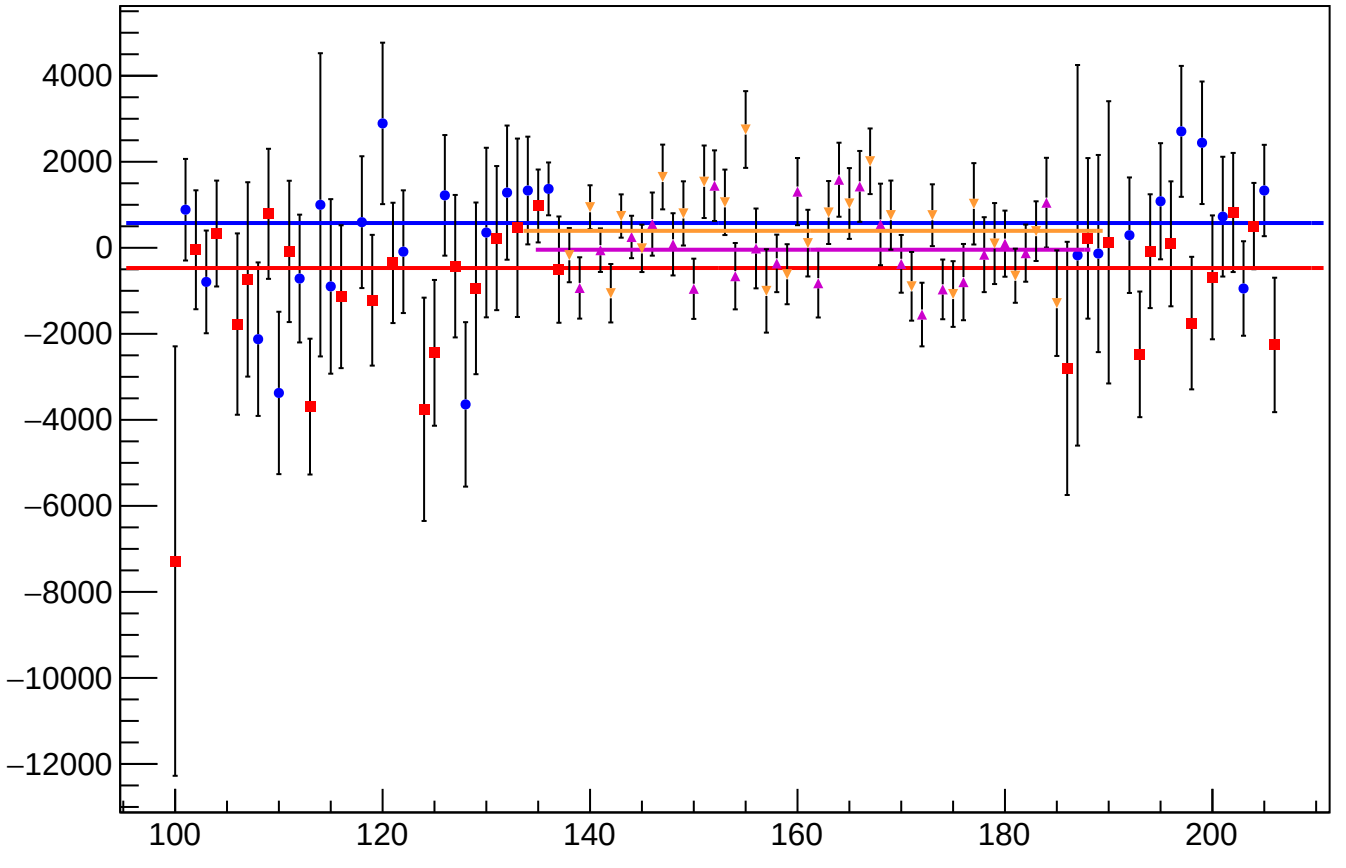
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1342.254+/-0.174 χ^2/NDF: 925707.9/54

In: 1330.183+/-0.166 χ^2/NDF:771187.5/47

Out: 1330.473+/-0.158 χ^2/NDF:168937.6/54

All: 1330.335+/-0.115 χ^2/NDF: 940126.7/102



Right In: 576.113+/-274.935 χ^2/NDF: 24.8/24

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -470.018+/-280.108 χ^2/NDF: 21.2/29

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

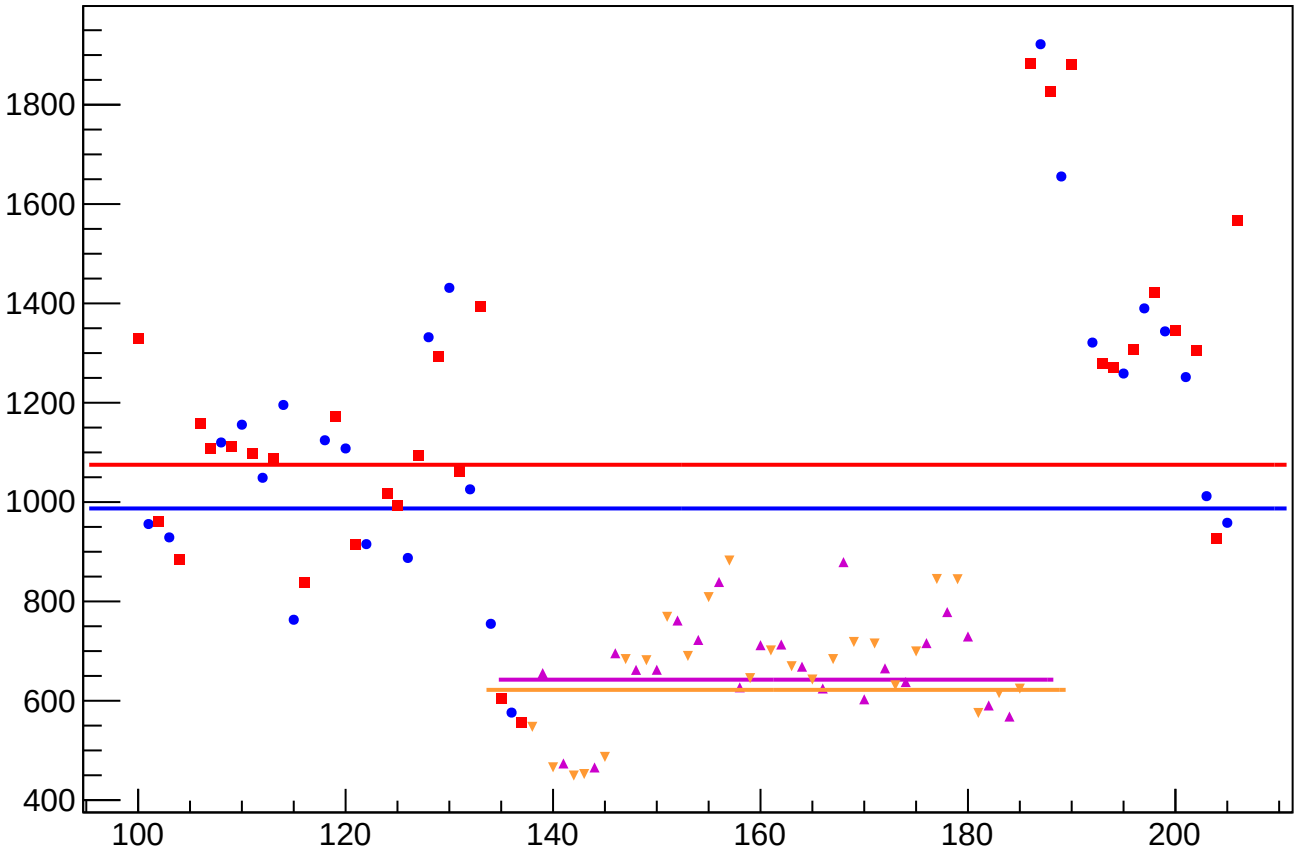
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 62.796+/-196.212 χ^2/NDF: 53.1/54

In: 101.060+/-133.247 χ^2/NDF:56.3/47

Out: 212.705+/-128.462 χ^2/NDF:70.5/54

All: 158.923+/-92.482 χ^2/NDF: 127.2/102



Right In: 987.162+/-0.194 χ^2/NDF: 2043541.7/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1075.126+/-0.198 χ^2/NDF: 2393916.8/29

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

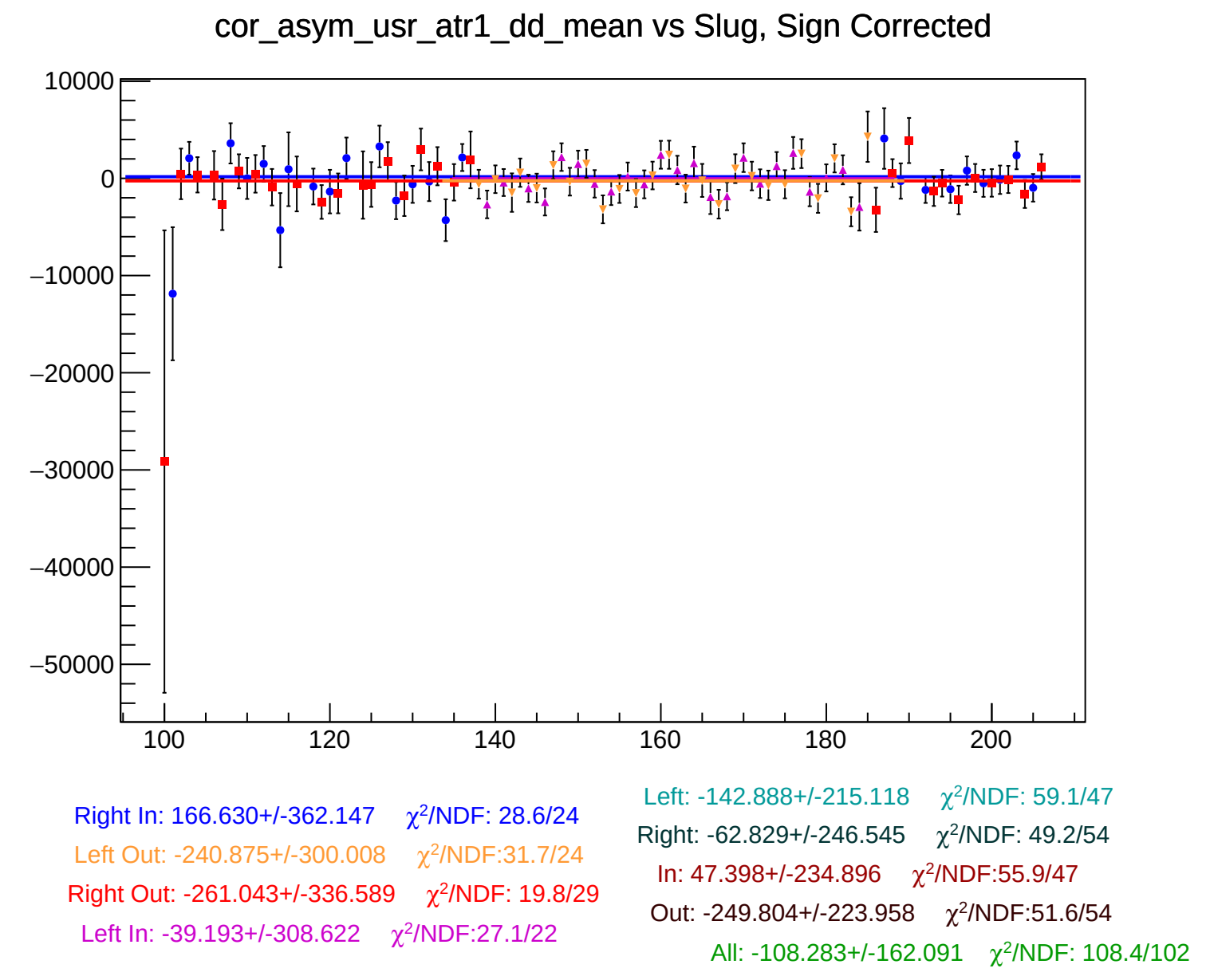
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1030.325+/-0.139 χ^2/NDF: 4537915.5/54

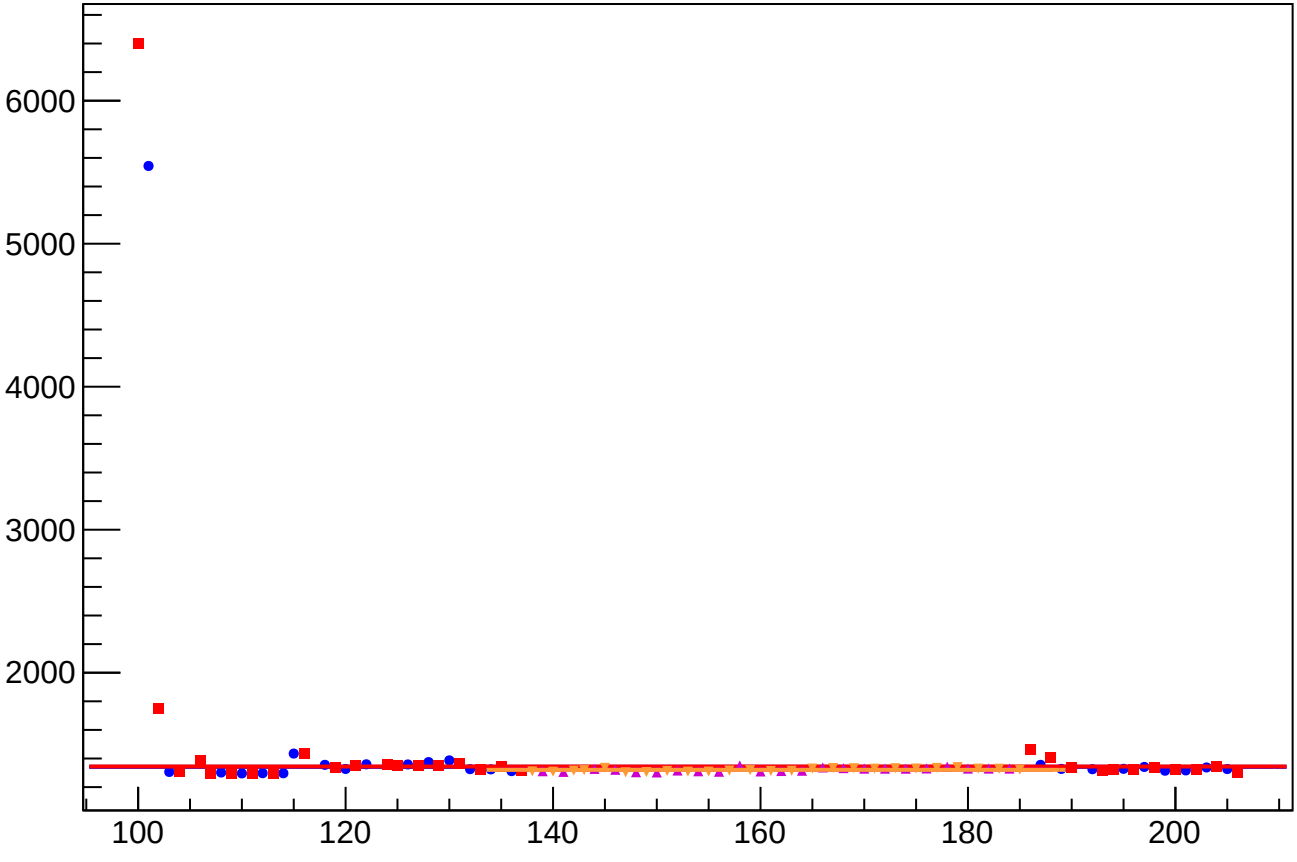
In: 723.433+/-0.094 χ^2/NDF:5375118.8/47

Out: 717.267+/-0.091 χ^2/NDF:7911286.3/54

All: 720.237+/-0.065 χ^2/NDF: 13288624.5/10


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 166.630+/-362.147 χ²/NDF: 28.6/24
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -261.043+/-336.589 χ²/NDF: 19.8/29
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -62.829+/-246.545 χ²/NDF: 49.2/54
In: 47.398+/-234.896 χ²/NDF:55.9/47
Out: -249.804+/-223.958 χ²/NDF:51.6/54
All: -108.283+/-162.091 χ²/NDF: 108.4/102

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

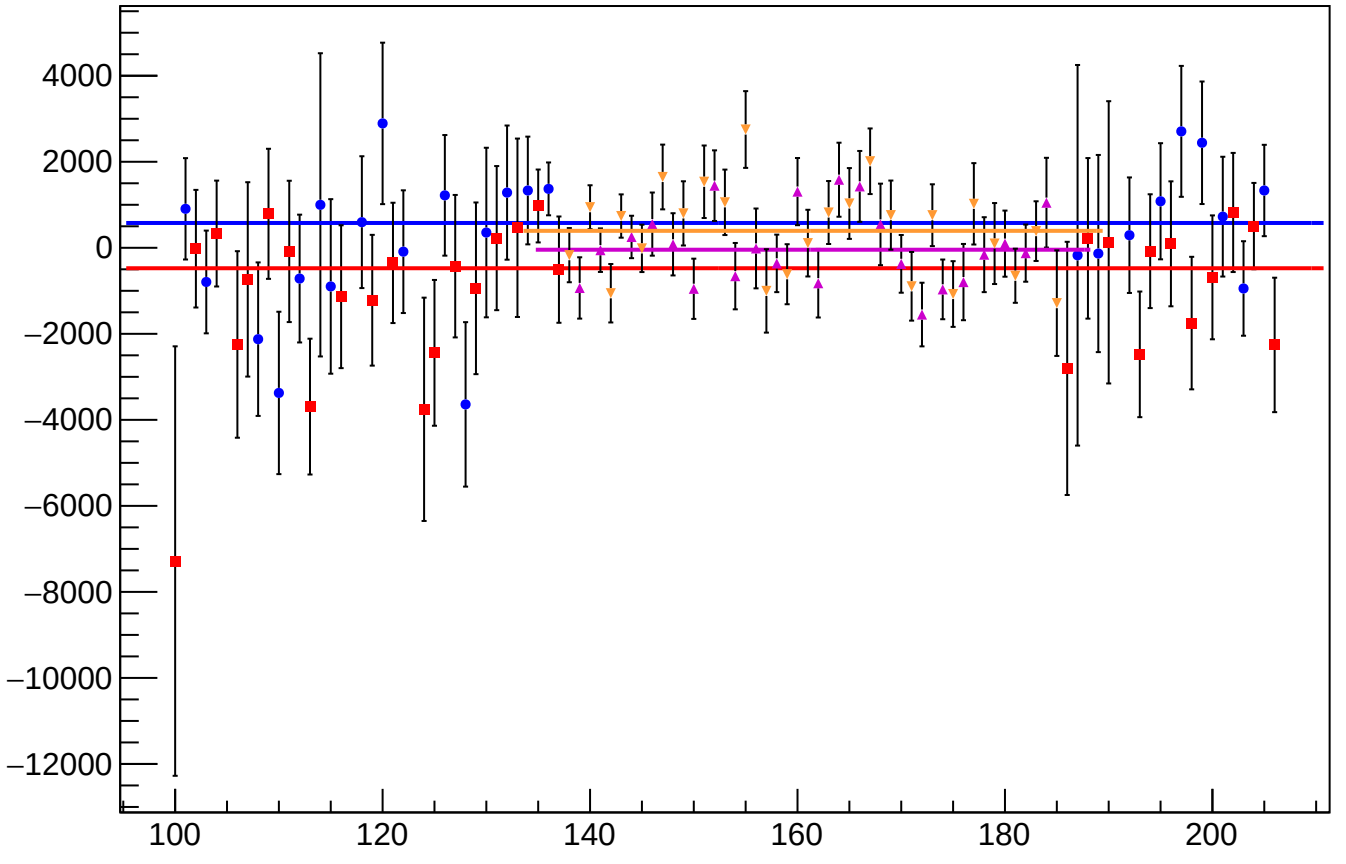
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1342.990+/-0.174 χ^2/NDF: 926154.7/54

In: 1330.183+/-0.166 χ^2/NDF:771186.5/47

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.645+/-0.115 χ^2/NDF: 941154.2/102



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

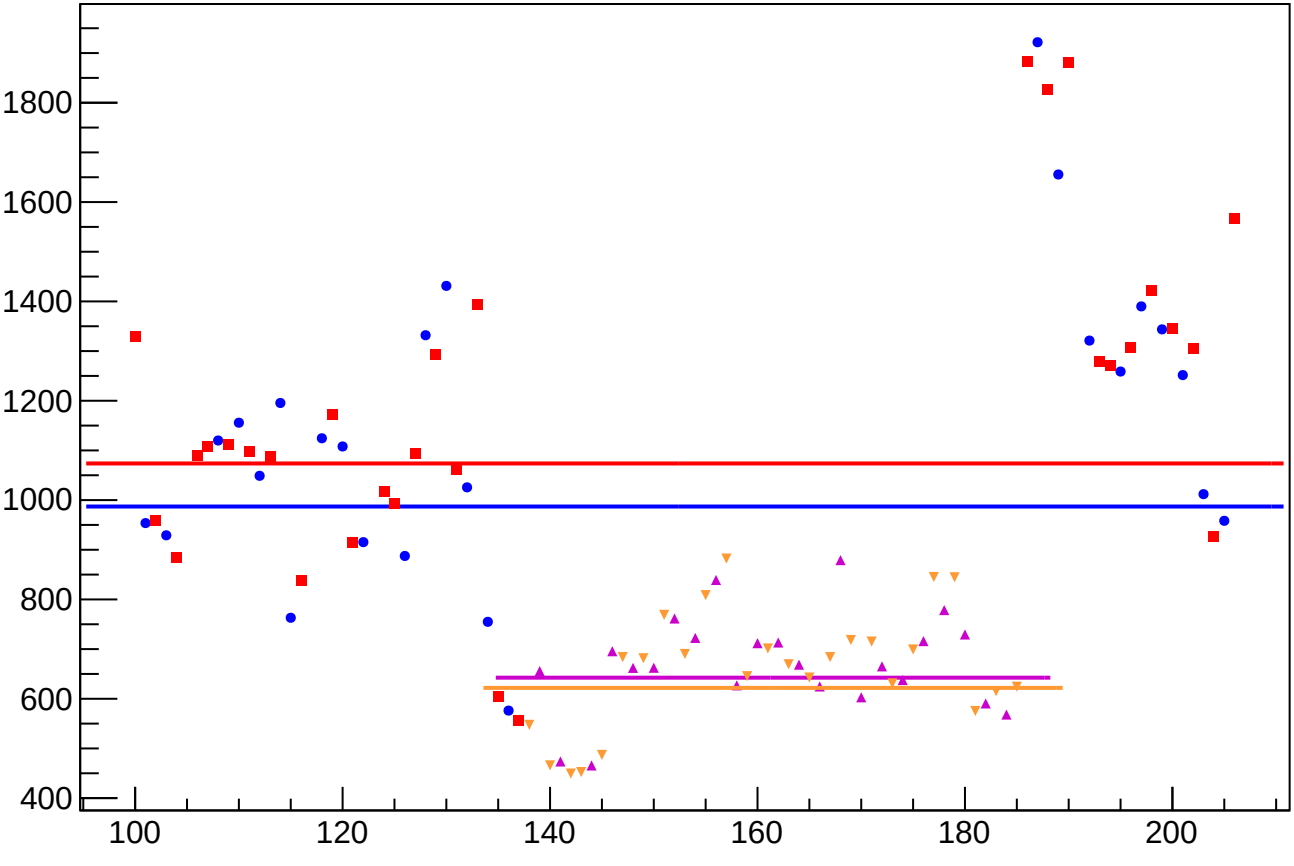
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 60.859+/-196.201 χ^2/NDF: 53.5/54

In: 101.361+/-133.243 χ^2/NDF:56.4/47

Out: 211.578+/-128.463 χ^2/NDF:70.9/54

All: 158.482+/-92.480 χ^2/NDF: 127.6/102



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

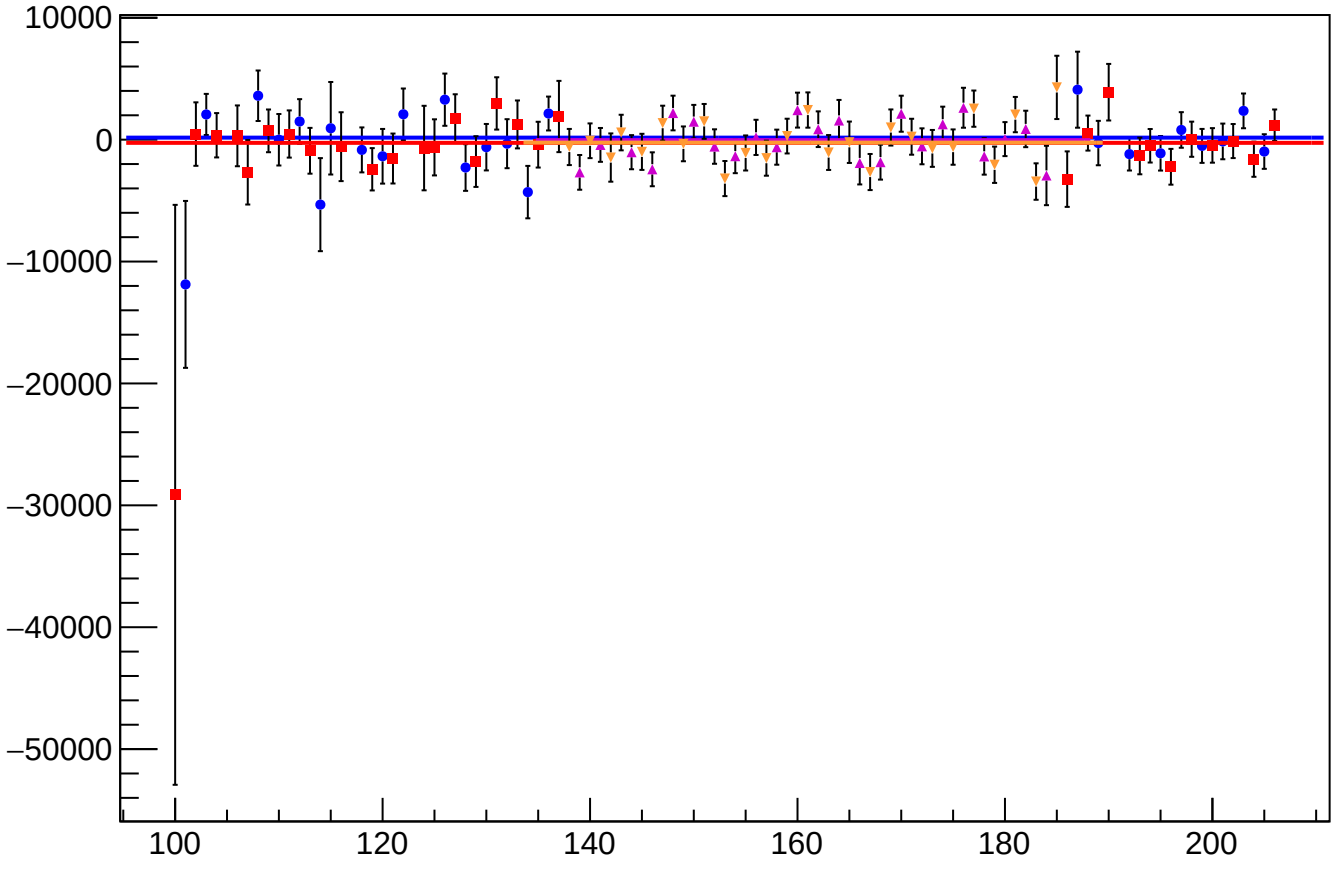
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1029.587+/-0.139 χ^2/NDF: 4532883.2/54

In: 723.417+/-0.094 χ^2/NDF:5374267.7/47

Out: 716.975+/-0.091 χ^2/NDF:7883696.7/54

All: 720.078+/-0.065 χ^2/NDF: 13260387.1/10



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -261.043+/-336.589 χ^2/NDF: 19.8/29

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

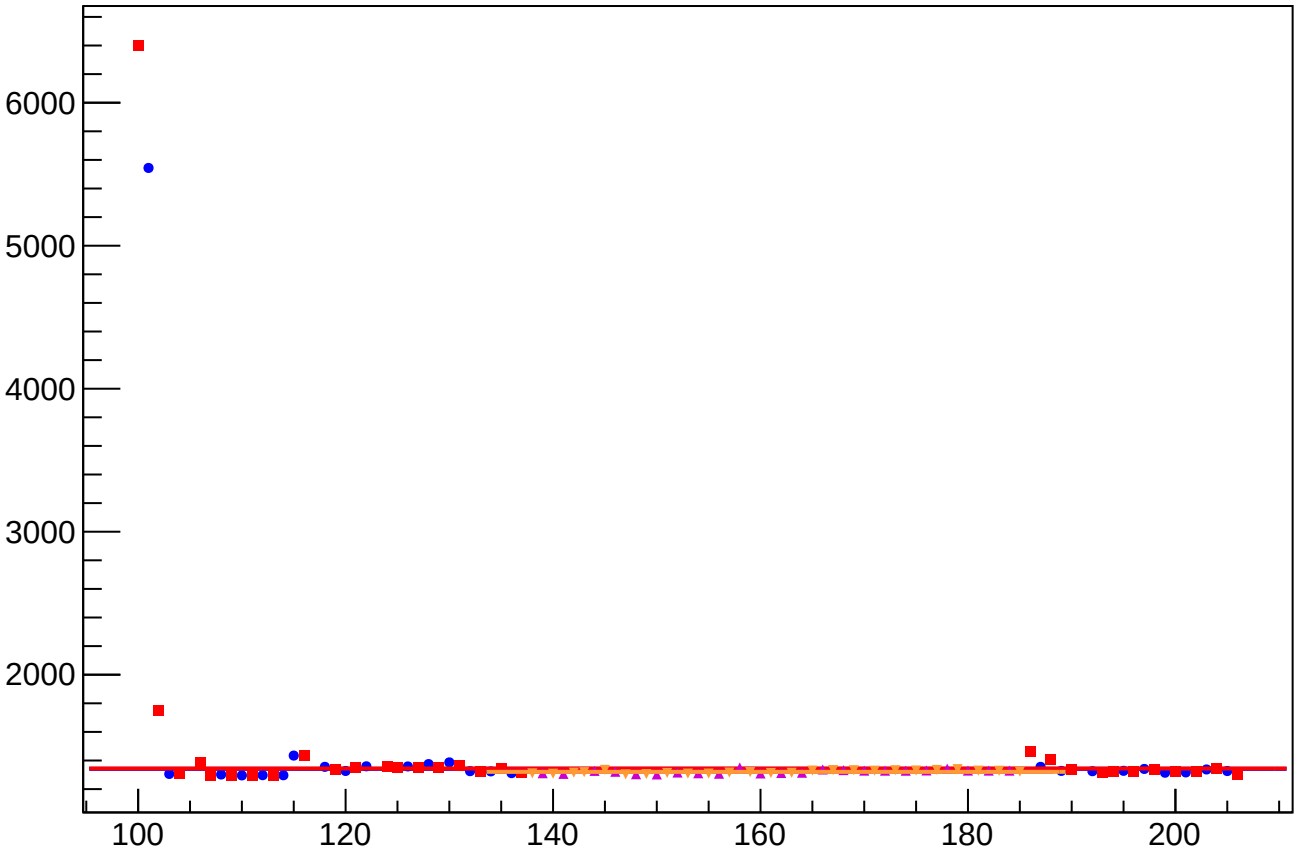
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -62.829+/-246.545 χ^2/NDF: 49.2/54

In: 47.398+/-234.896 χ^2/NDF:55.9/47

Out: -249.804+/-223.958 χ^2/NDF:51.6/54

All: -108.283+/-162.091 χ^2/NDF: 108.4/102



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

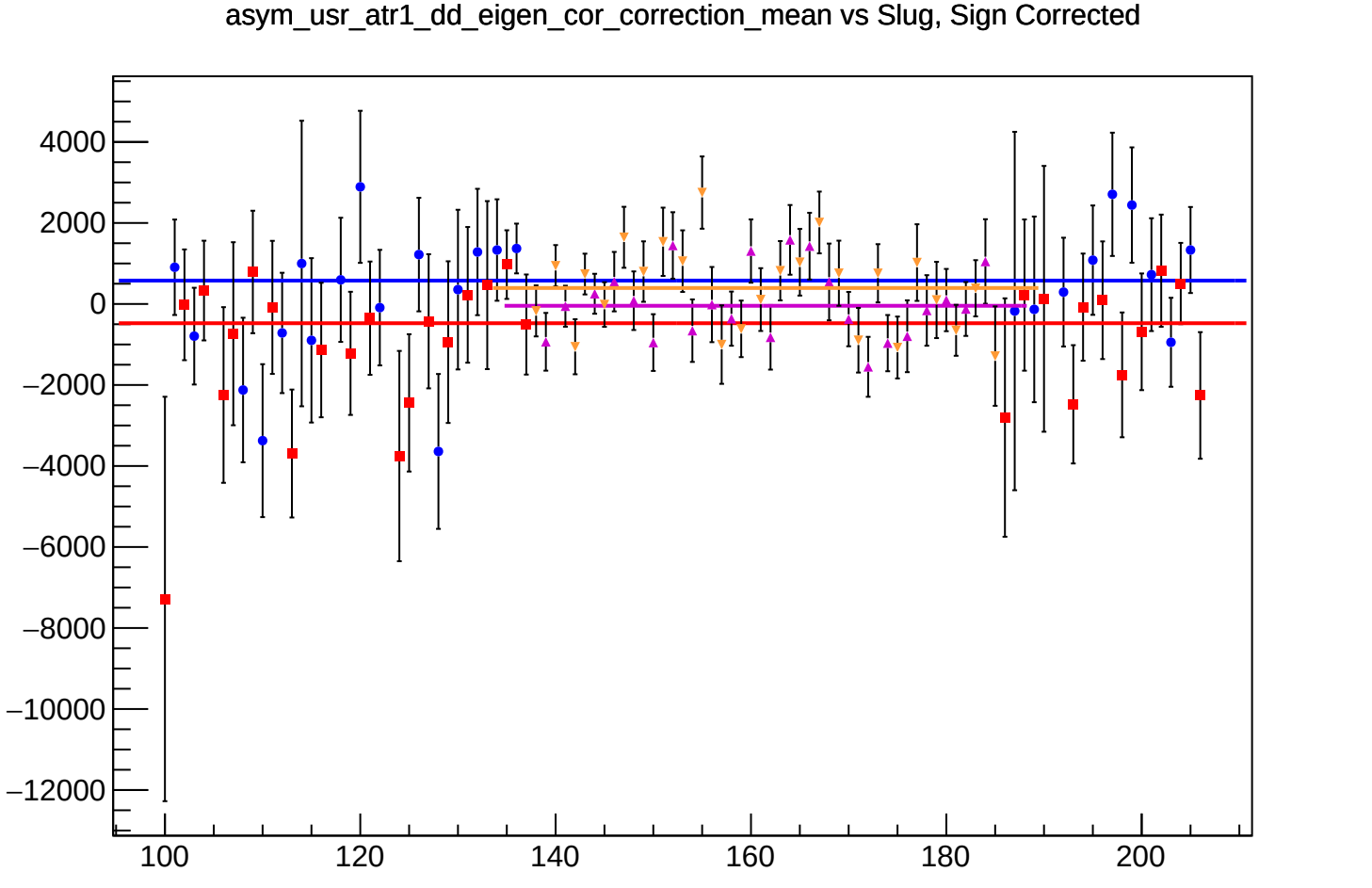
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1342.990+/-0.174 χ^2/NDF: 926154.7/54

In: 1330.183+/-0.166 χ^2/NDF:771186.5/47

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.645+/-0.115 χ^2/NDF: 941154.2/102



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

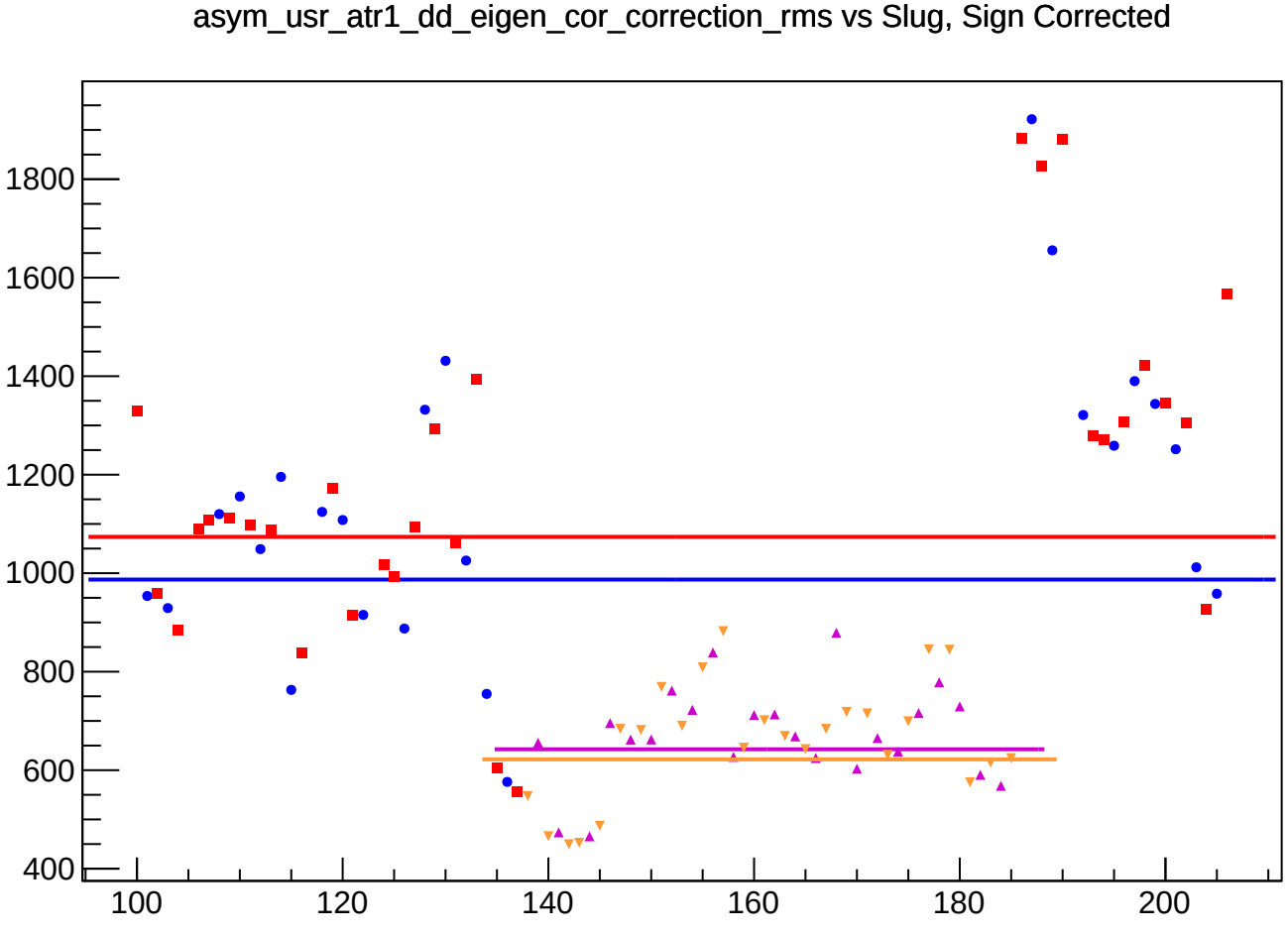
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

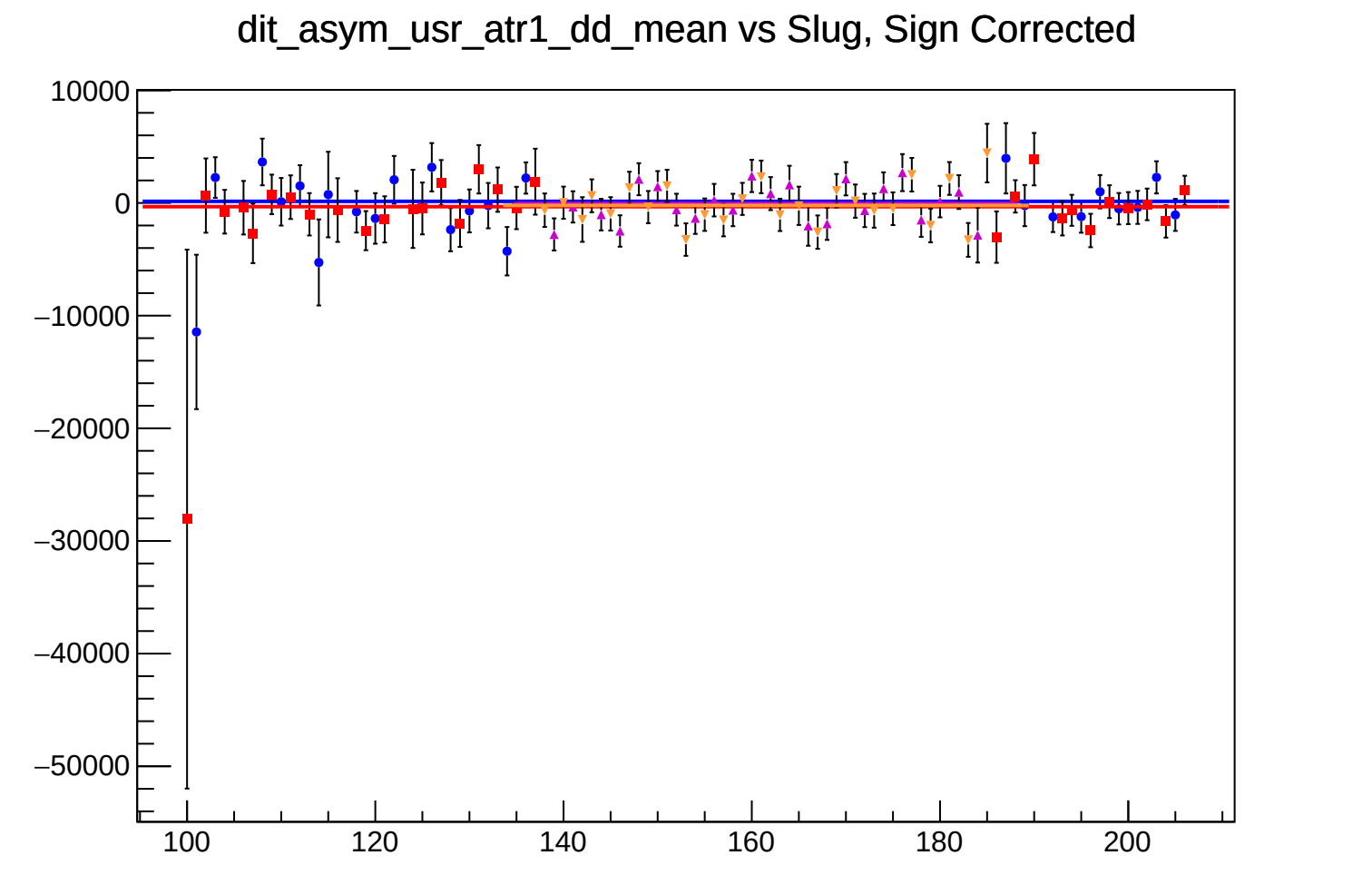
Right: 60.859+/-196.201 χ^2/NDF: 53.5/54

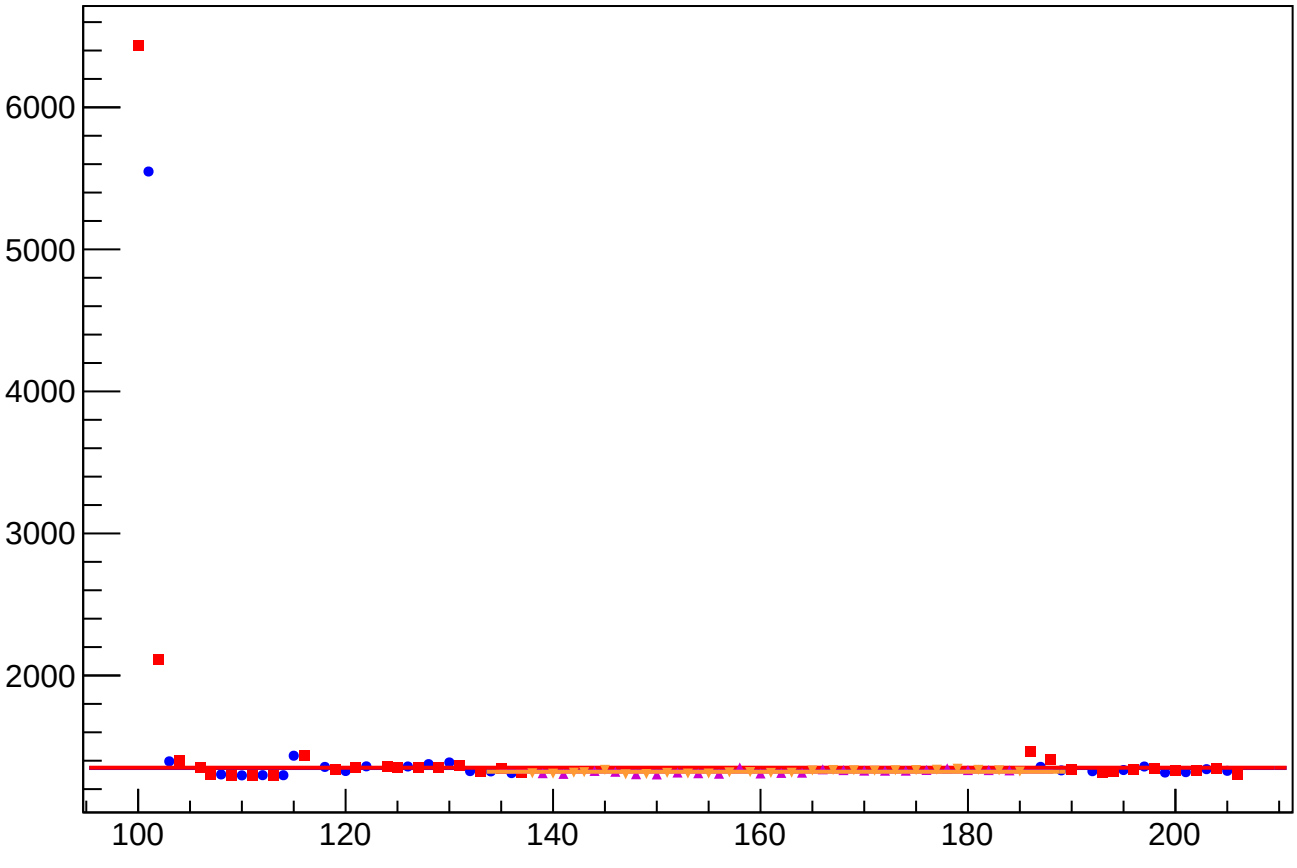
In: 101.361+/-133.243 χ^2/NDF:56.4/47

Out: 211.578+/-128.463 χ^2/NDF:70.9/54

All: 158.482+/-92.480 χ^2/NDF: 127.6/102


asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 987.055+/-0.194 χ²/NDF: 2043658.8/24
Left Out: 621.950+/-0.102 χ²/NDF:1383373.4/24
Right Out: 1073.744+/-0.198 χ²/NDF: 2391648.9/29
Left In: 642.465+/-0.108 χ²/NDF:926376.1/22
Left: 631.671+/-0.074 χ²/NDF: 2328835.4/47
Right: 1029.587+/-0.139 χ²/NDF: 4532883.2/54
In: 723.417+/-0.094 χ²/NDF:5374267.7/47
Out: 716.975+/-0.091 χ²/NDF:7883696.7/54
All: 720.078+/-0.065 χ²/NDF: 13260387.1/10


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 144.586+/-363.970 χ²/NDF: 28.7/24
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -327.595+/-338.911 χ²/NDF: 19.9/29
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: -108.317+/-248.032 χ²/NDF: 49.5/54
In: 31.358+/-235.553 χ²/NDF:56.7/47
Out: -264.554+/-224.794 χ²/NDF:51.2/54
All: -123.510+/-162.624 χ²/NDF: 108.8/102



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.1/29

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

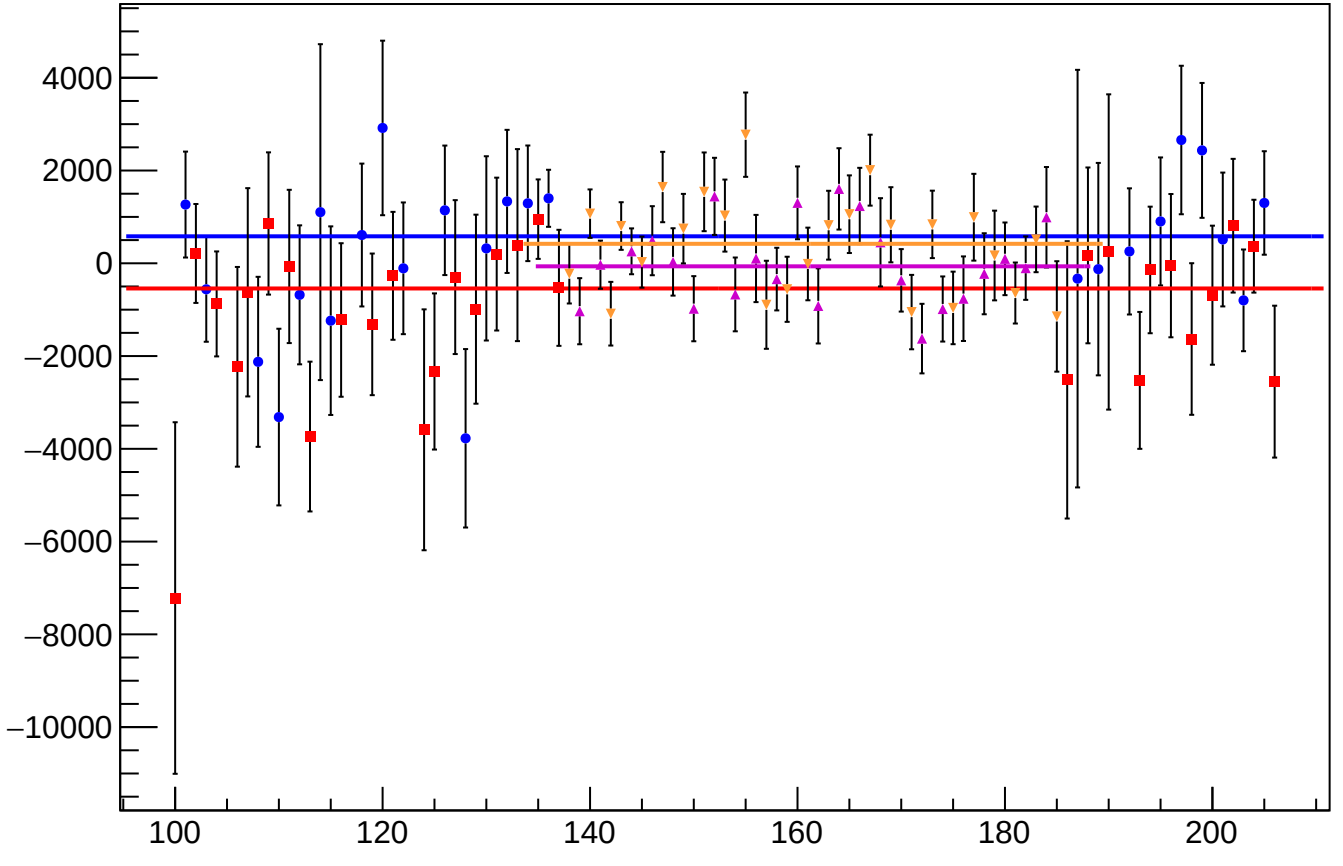
Right: 1349.670+/-0.175 χ^2/NDF: 984200.3/54

In: 1333.863+/-0.167 χ^2/NDF:773720.5/47

Out: 1334.838+/-0.159 χ^2/NDF:230602.3/54

All: 1334.373+/-0.115 χ^2/NDF: 1004340.7/10

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 581.738+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -542.945+/-278.294 χ^2/NDF: 21.9/29

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

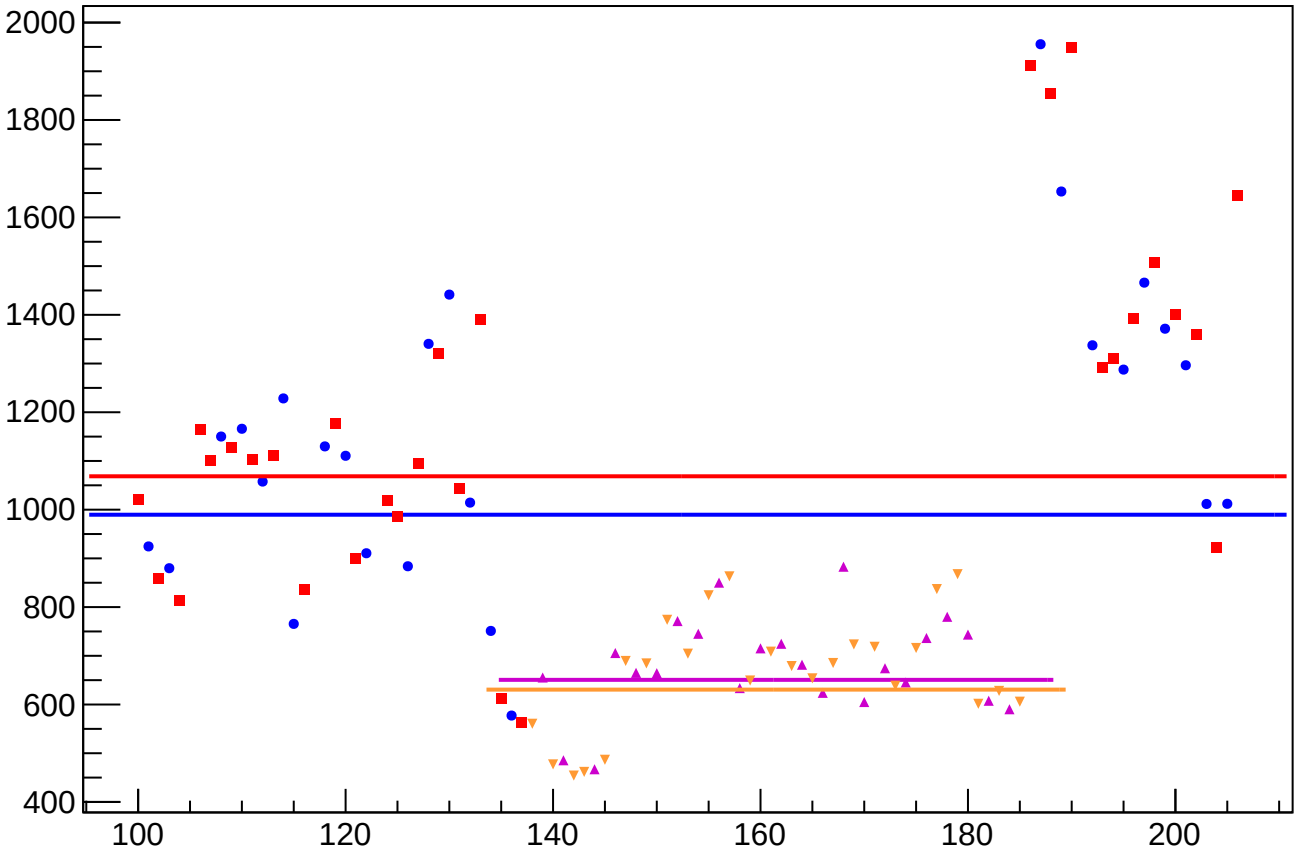
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 23.787+/-196.014 χ^2/NDF: 54.4/54

In: 88.468+/-134.647 χ^2/NDF:55.5/47

Out: 211.116+/-129.590 χ^2/NDF:72.8/54

All: 152.138+/-93.371 χ^2/NDF: 128.7/102



Right In: 989.637+/-0.195 χ^2/NDF: 2171365.7/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1068.544+/-0.197 χ^2/NDF: 2698894.4/29

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

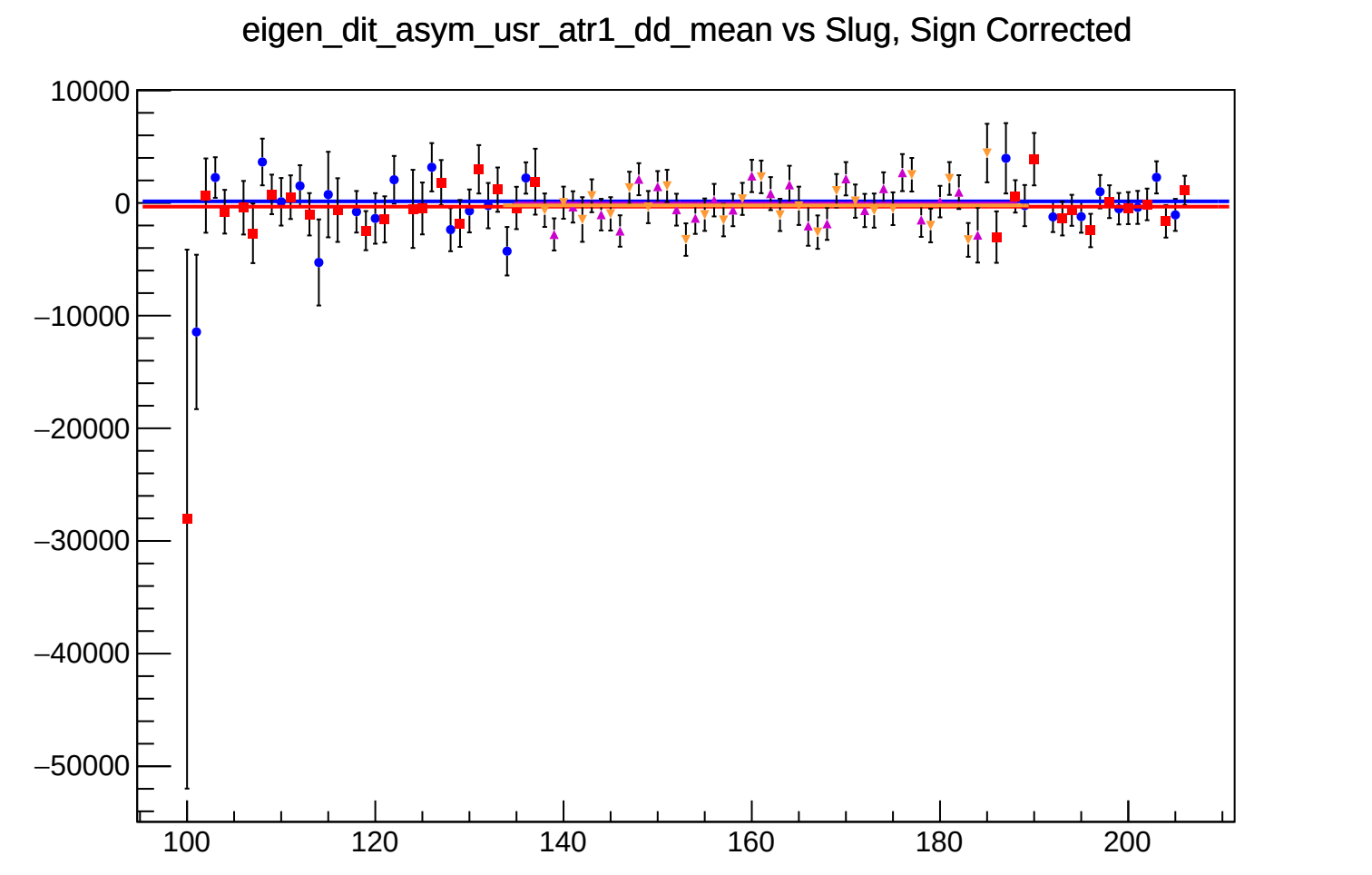
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

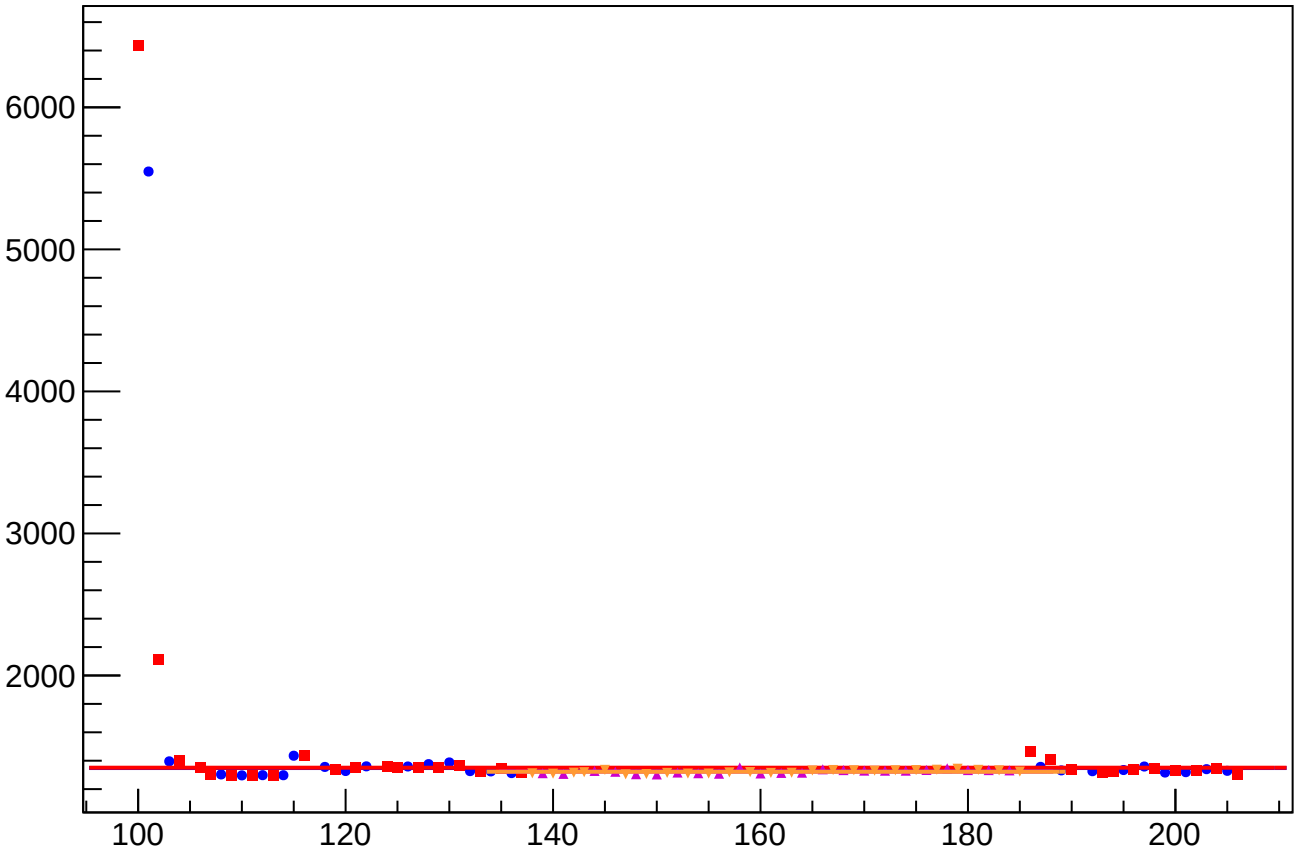
Right: 1028.782+/-0.139 χ^2/NDF: 4951283.0/54

In: 731.242+/-0.095 χ^2/NDF:5391105.0/47

Out: 725.557+/-0.092 χ^2/NDF:7906549.7/54

All: 728.291+/-0.066 χ^2/NDF: 13299505.5/10


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 144.585+/-363.970 χ²/NDF: 28.7/24
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -327.595+/-338.911 χ²/NDF: 19.9/29
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: -108.318+/-248.032 χ²/NDF: 49.5/54
In: 31.358+/-235.553 χ²/NDF:56.7/47
Out: -264.555+/-224.794 χ²/NDF:51.2/54
All: -123.511+/-162.624 χ²/NDF: 108.8/102



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.0/29

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

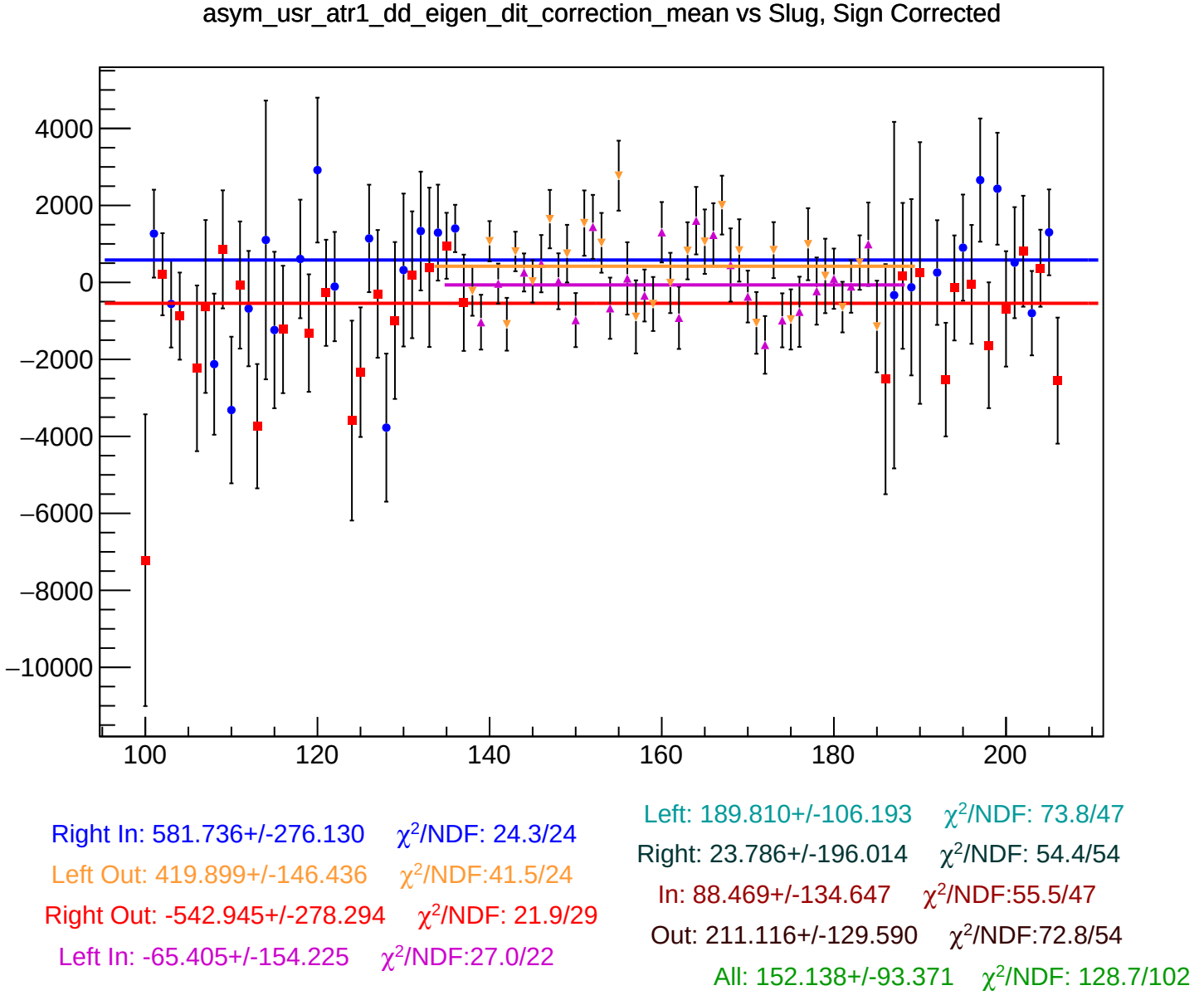
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1349.670+/-0.175 χ^2/NDF: 984200.2/54

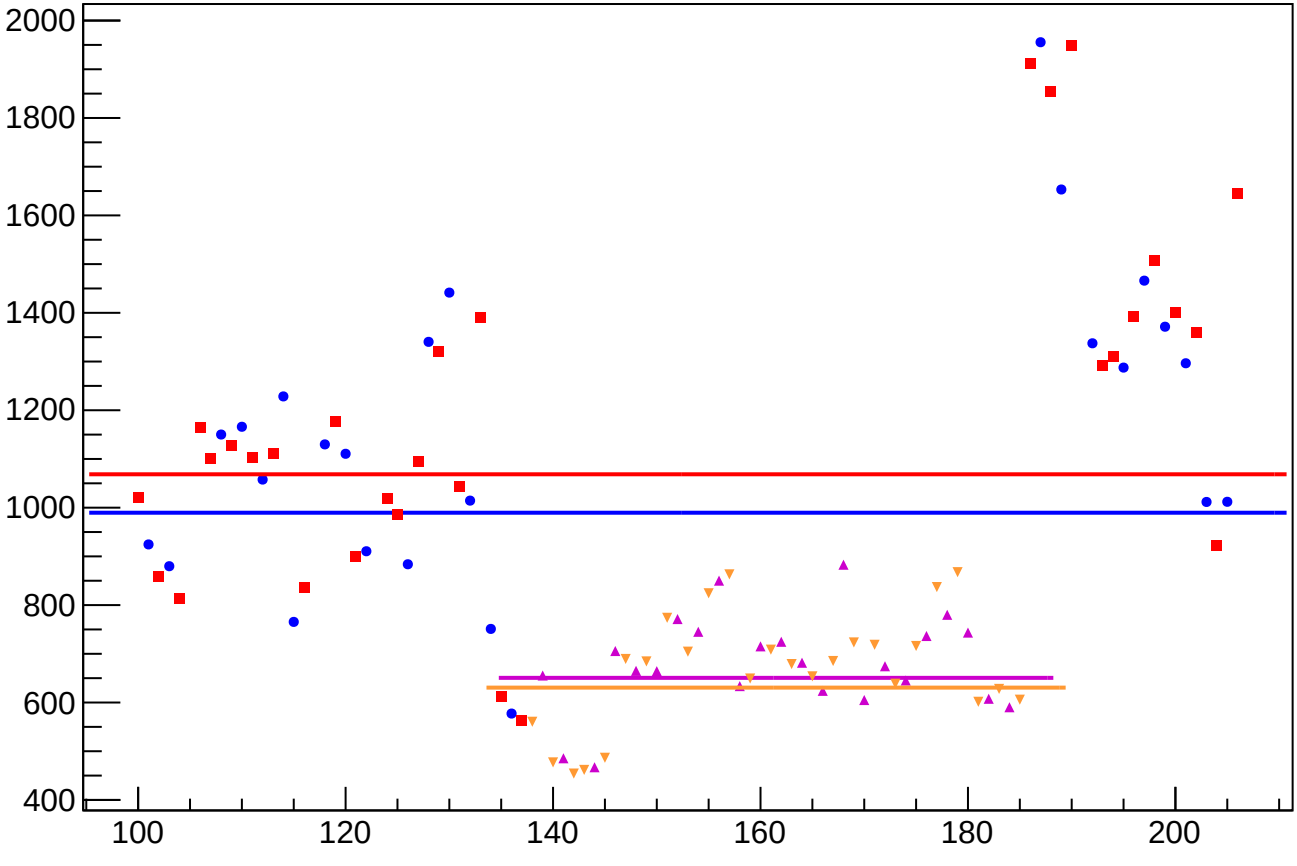
In: 1333.863+/-0.167 χ^2/NDF:773720.4/47

Out: 1334.838+/-0.159 χ^2/NDF:230602.2/54

All: 1334.373+/-0.115 χ^2/NDF: 1004340.5/10


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 581.736+/-276.130 χ²/NDF: 24.3/24
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -542.945+/-278.294 χ²/NDF: 21.9/29
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 23.786+/-196.014 χ²/NDF: 54.4/54
In: 88.469+/-134.647 χ²/NDF:55.5/47
Out: 211.116+/-129.590 χ²/NDF:72.8/54
All: 152.138+/-93.371 χ²/NDF: 128.7/102

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 989.635+/-0.195 χ^2/NDF: 2171375.5/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1068.543+/-0.197 χ^2/NDF: 2698902.8/29

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

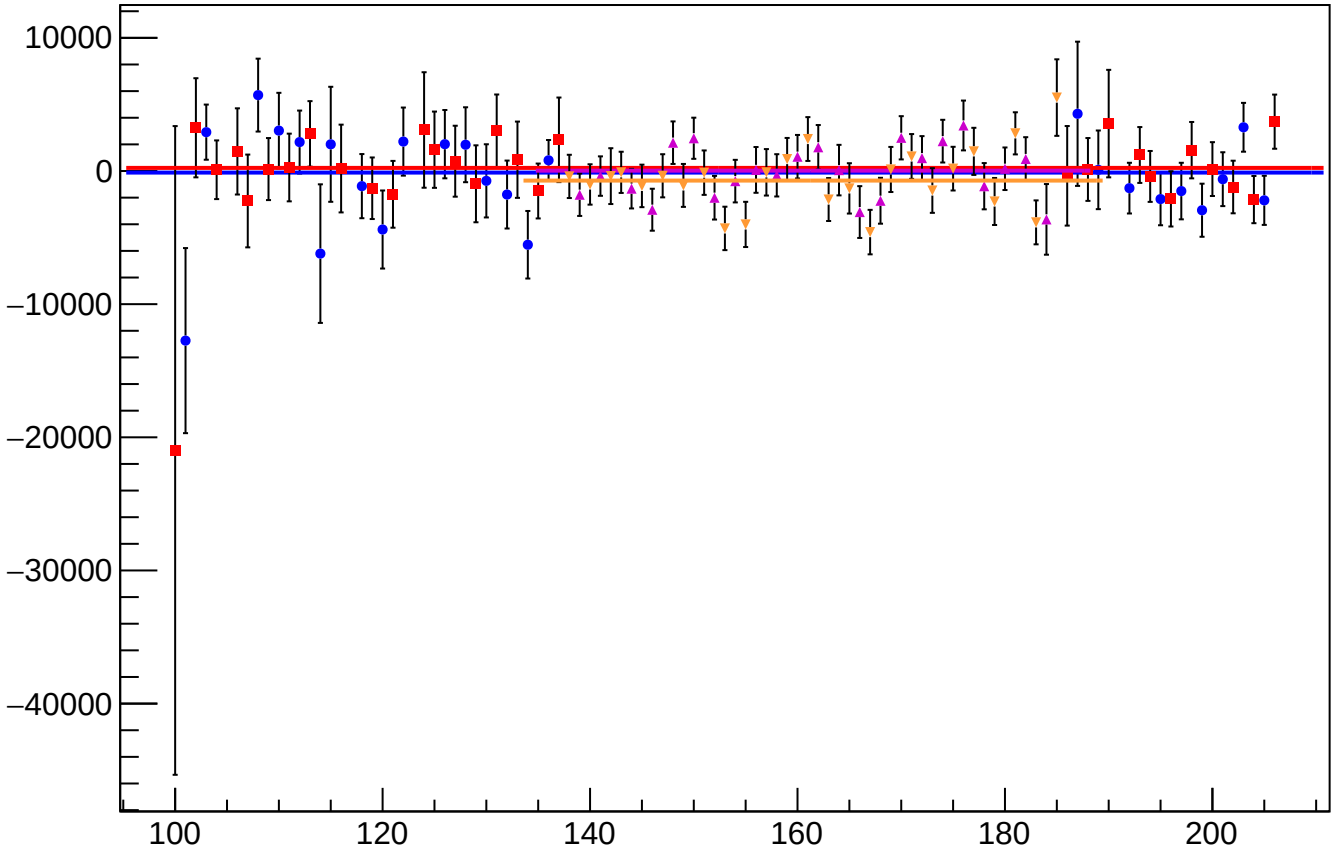
Right: 1028.781+/-0.139 χ^2/NDF: 4951302.0/54

In: 731.243+/-0.095 χ^2/NDF:5391090.1/47

Out: 725.558+/-0.092 χ^2/NDF:7906549.4/54

All: 728.291+/-0.066 χ^2/NDF: 13299490.4/10

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -118.016+/-478.663 χ^2/NDF: 32.8/24

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 233.821+/-458.530 χ^2/NDF: 15.3/29

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

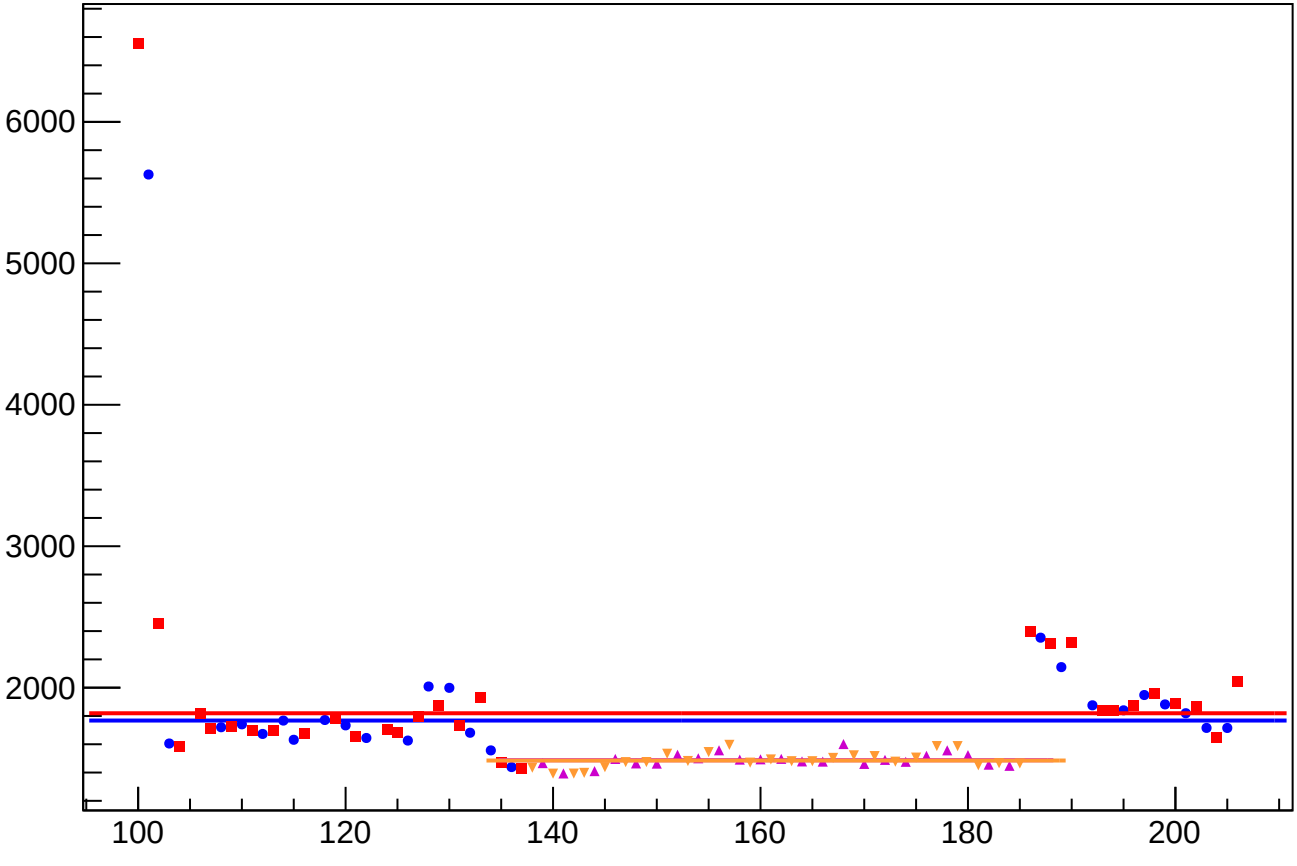
Right: 65.457+/-331.118 χ^2/NDF: 48.3/54

In: -22.698+/-281.163 χ^2/NDF:60.8/47

Out: -383.626+/-271.850 χ^2/NDF:55.8/54

All: -209.239+/-195.437 χ^2/NDF: 117.5/102

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1767.653+/-0.338 χ^2/NDF: 874948.8/24

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.154+/-0.324 χ^2/NDF: 505156.5/29

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

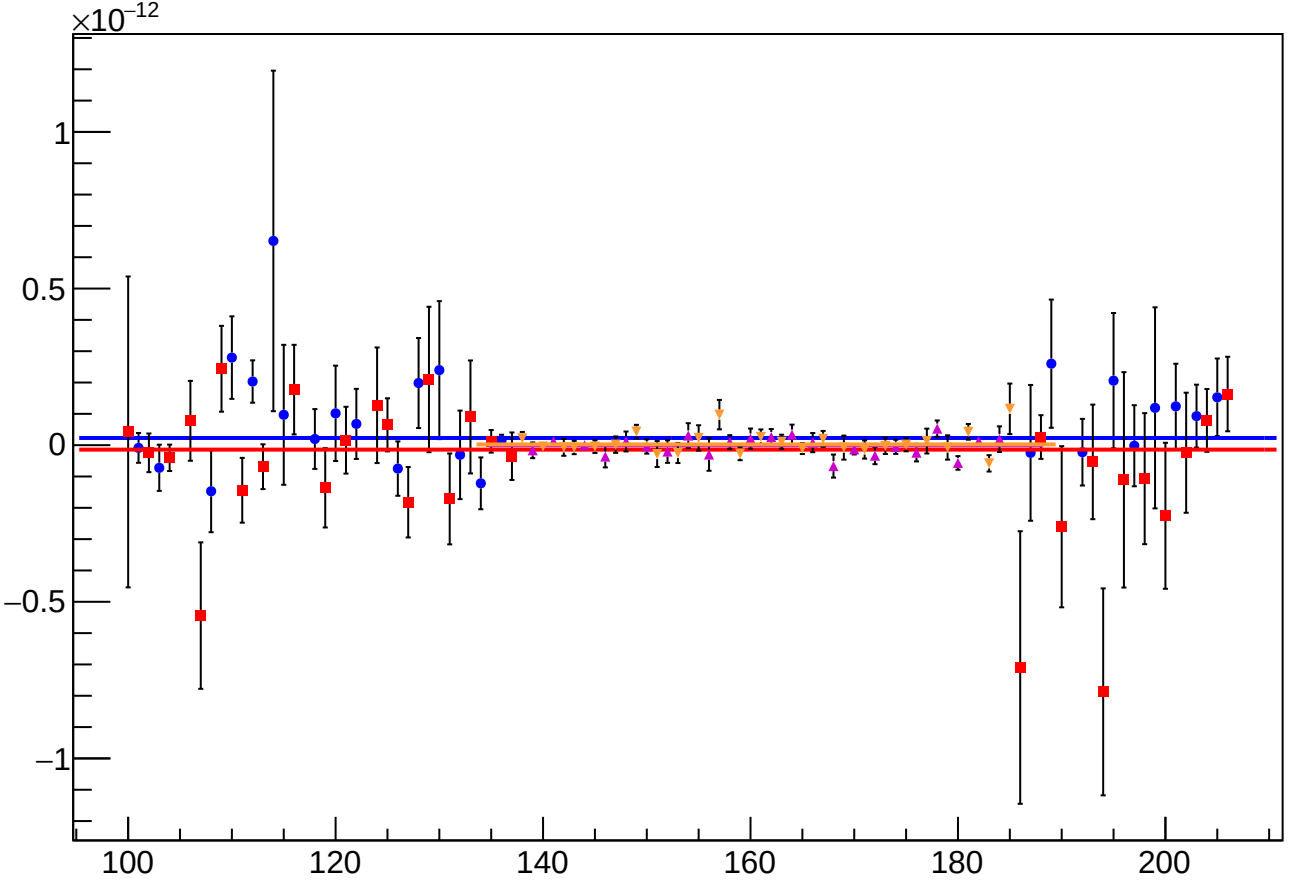
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1794.509+/-0.234 χ^2/NDF: 1392178.8/54

In: 1583.908+/-0.199 χ^2/NDF:1359735.9/47

Out: 1602.429+/-0.192 χ^2/NDF:1245036.6/54

All: 1593.480+/-0.138 χ^2/NDF: 2609258.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/29

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

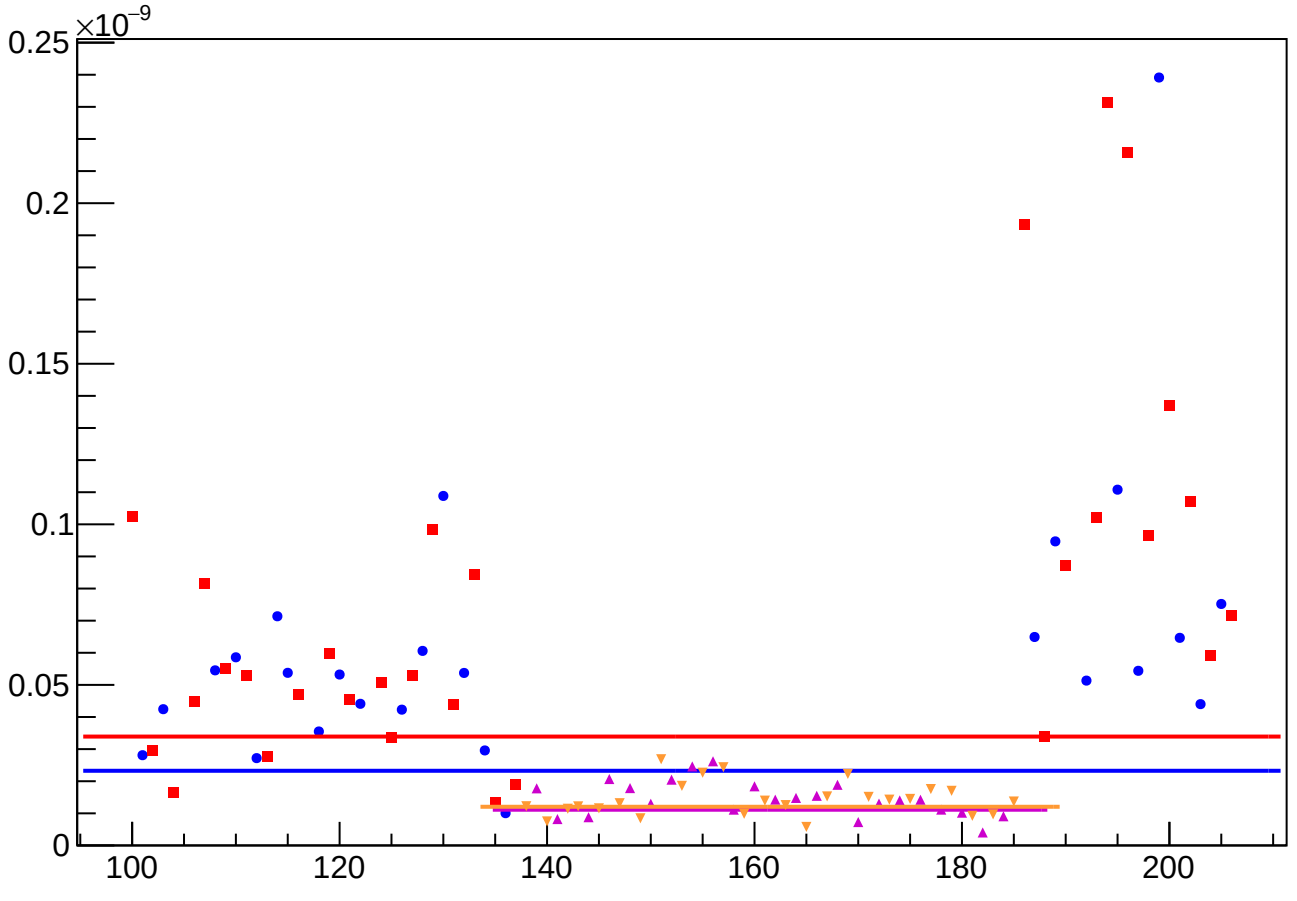
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 65.9/54

In: 0.000+/-0.000 χ^2/NDF:55.7/47

Out: 0.000+/-0.000 χ^2/NDF:61.1/54

All: 0.000+/-0.000 χ^2/NDF: 116.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 4846203.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4973492.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

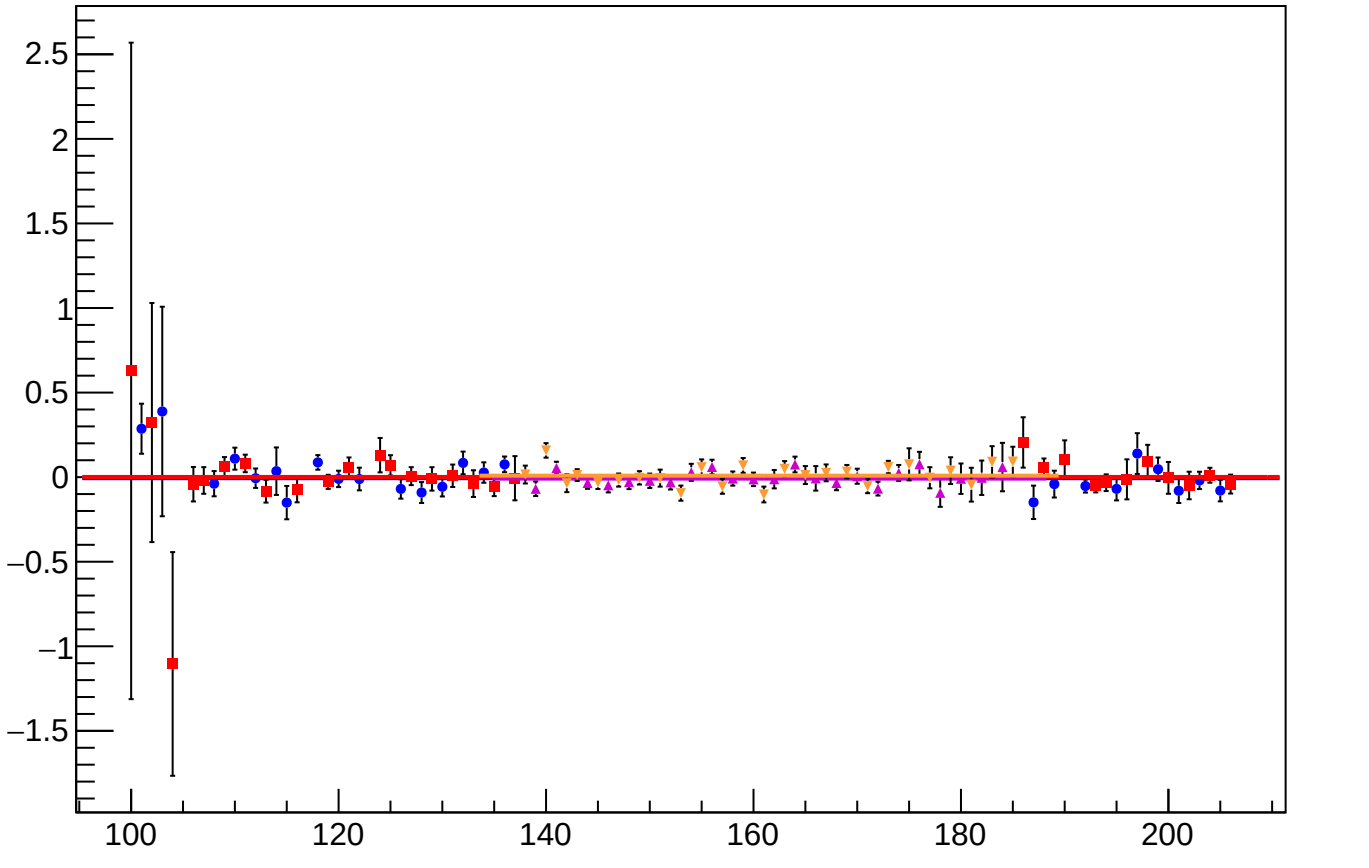
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10276670.6/54

In: 0.000+/-0.000 χ^2/NDF:8438470.9/47

Out: 0.000+/-0.000 χ^2/NDF:9370429.2/54

All: 0.000+/-0.000 χ^2/NDF: 17874937.0/102



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

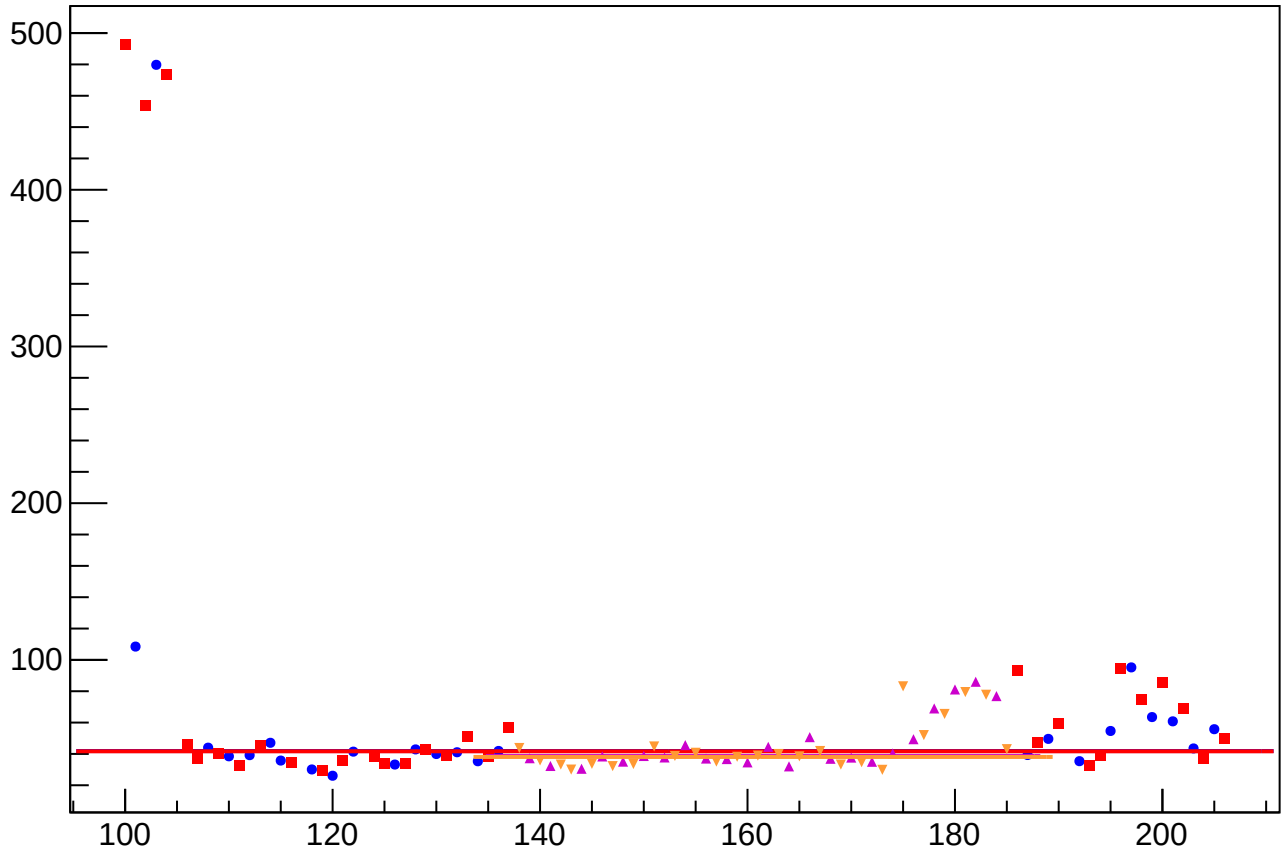
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.002+/-0.009 χ^2/NDF: 55.8/54

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.000+/-0.005 χ^2/NDF: 114.8/102



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

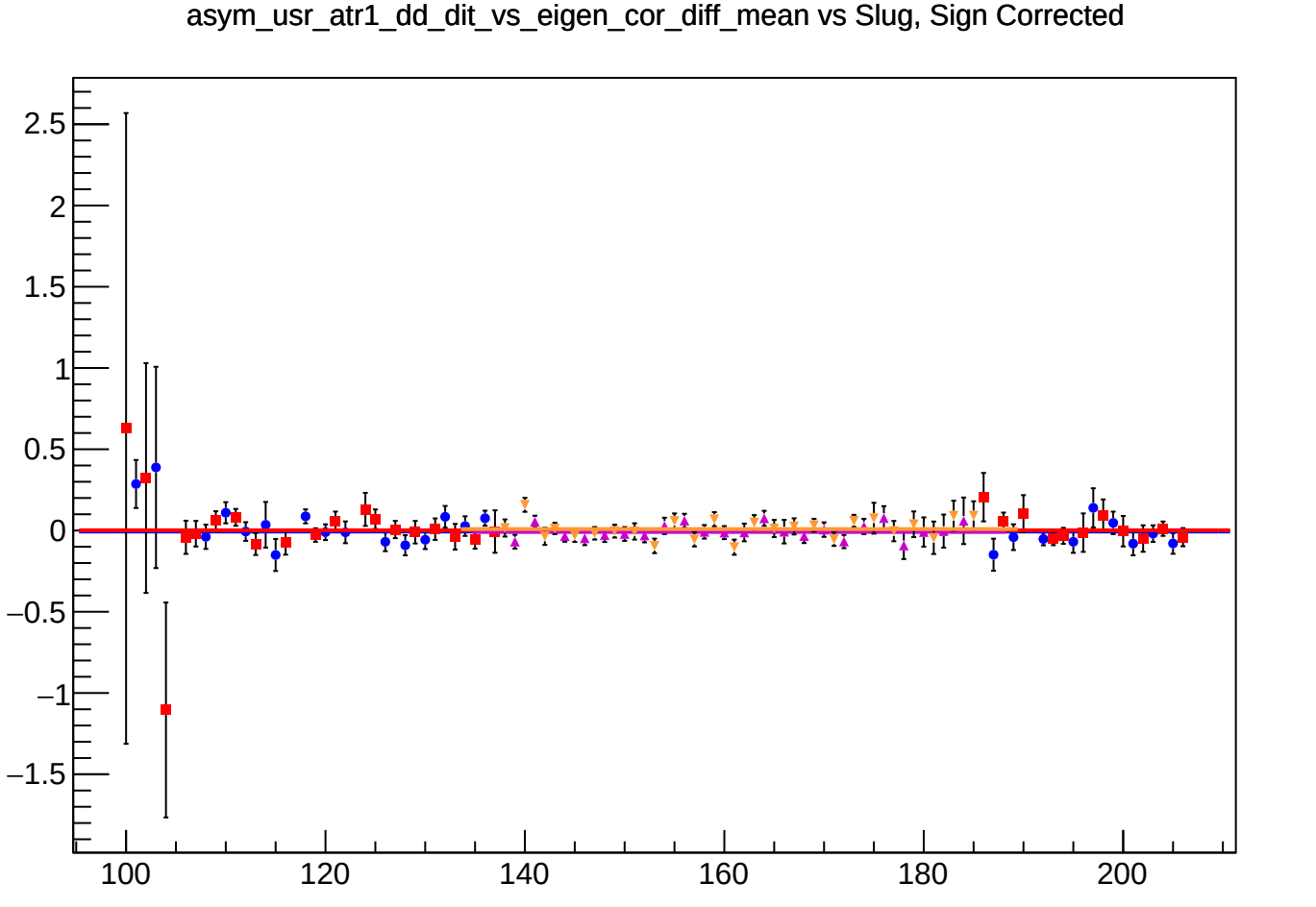
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.753+/-0.006 χ^2/NDF: 6669150.8/54

In: 39.841+/-0.006 χ^2/NDF:4636394.6/47

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.632+/-0.004 χ^2/NDF: 10553537.0/102



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

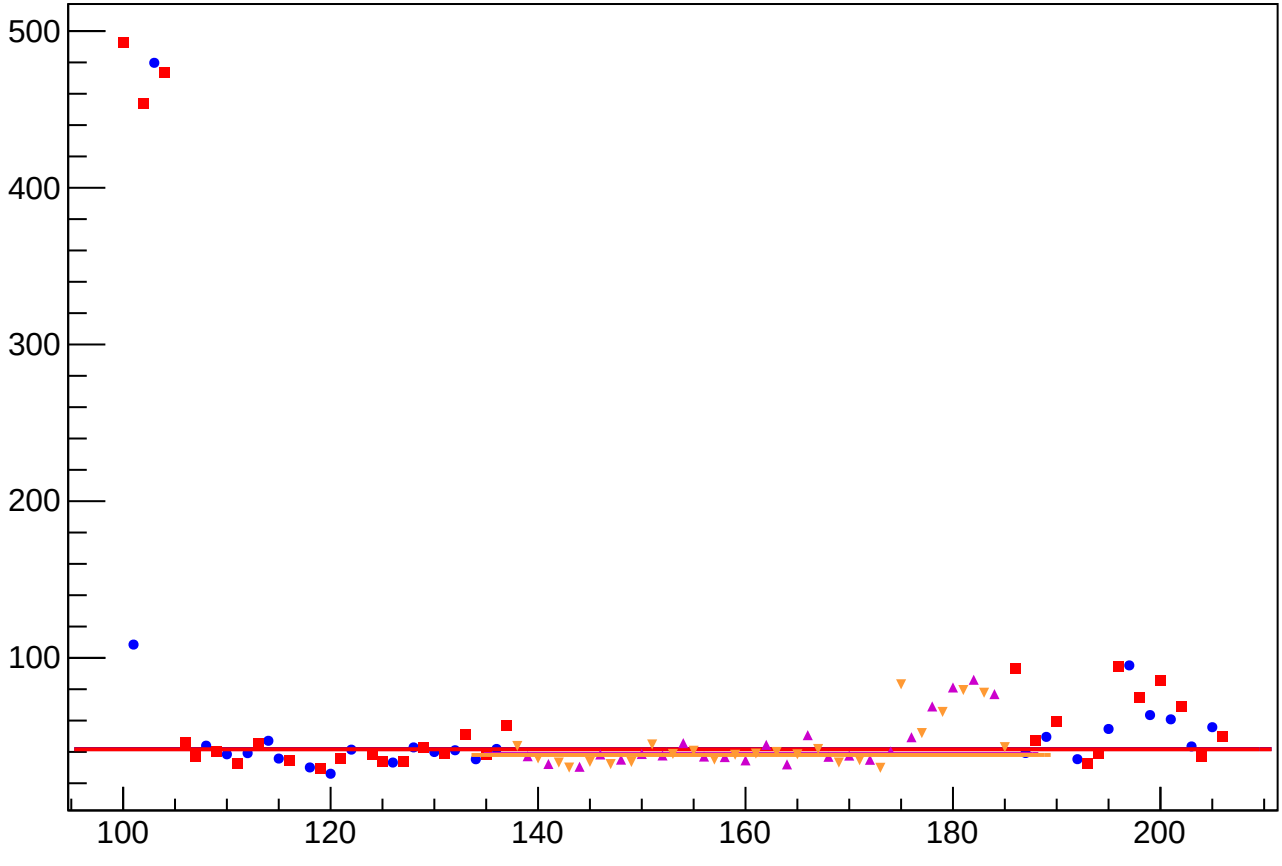
Right: -0.002+/-0.009 χ^2/NDF: 55.8/54

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.000+/-0.005 χ^2/NDF: 114.8/102

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

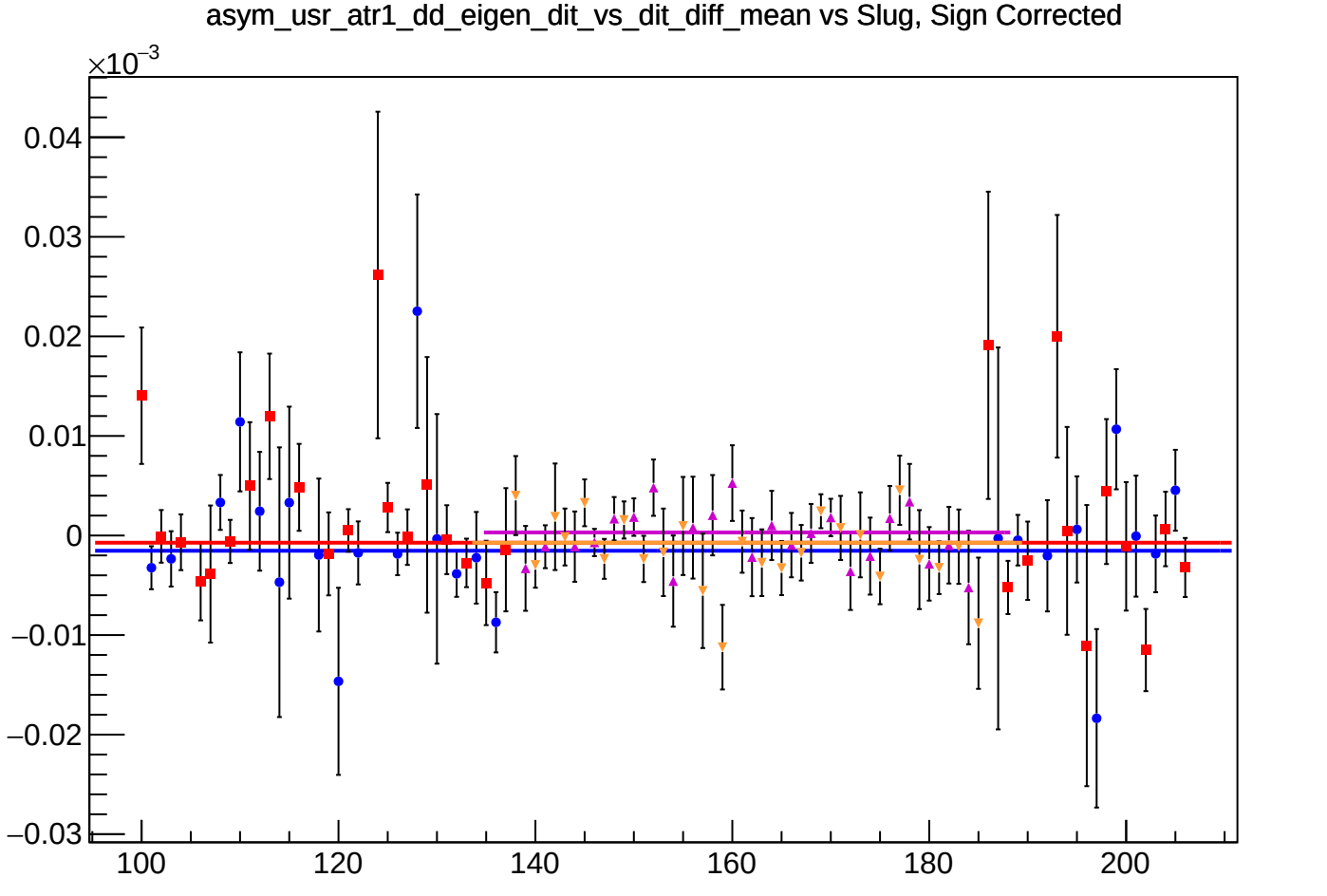
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.753+/-0.006 χ^2/NDF: 6669150.8/54

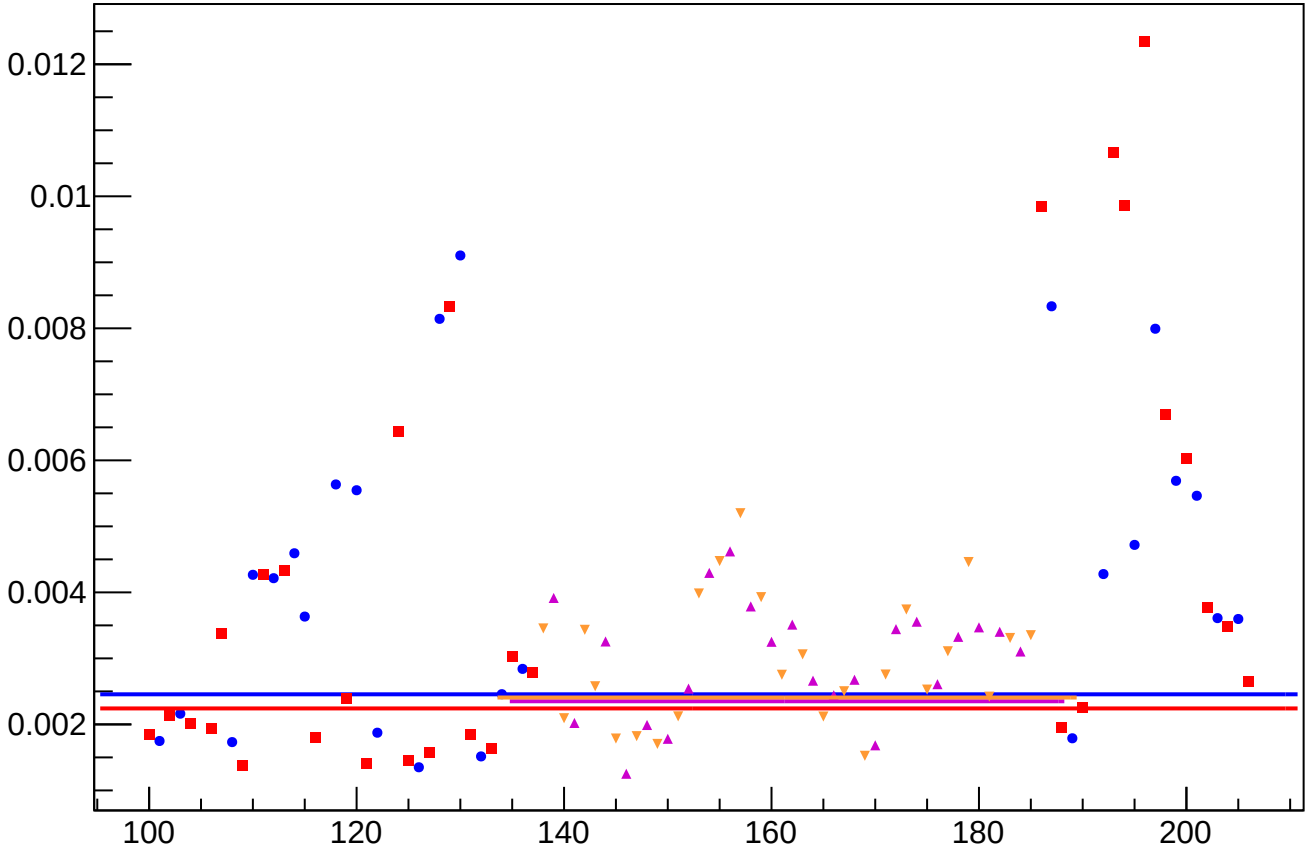
In: 39.841+/-0.006 χ^2/NDF:4636394.6/47

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.632+/-0.004 χ^2/NDF: 10553537.0/102


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/24
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.7/29
Left In: 0.000+/-0.000 χ²/NDF:13.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.9/47
Right: -0.000+/-0.000 χ²/NDF: 67.4/54
In: -0.000+/-0.000 χ²/NDF:48.4/47
Out: -0.000+/-0.000 χ²/NDF:62.3/54
All: -0.000+/-0.000 χ²/NDF: 111.0/102

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6386885.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7819649.1/29

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

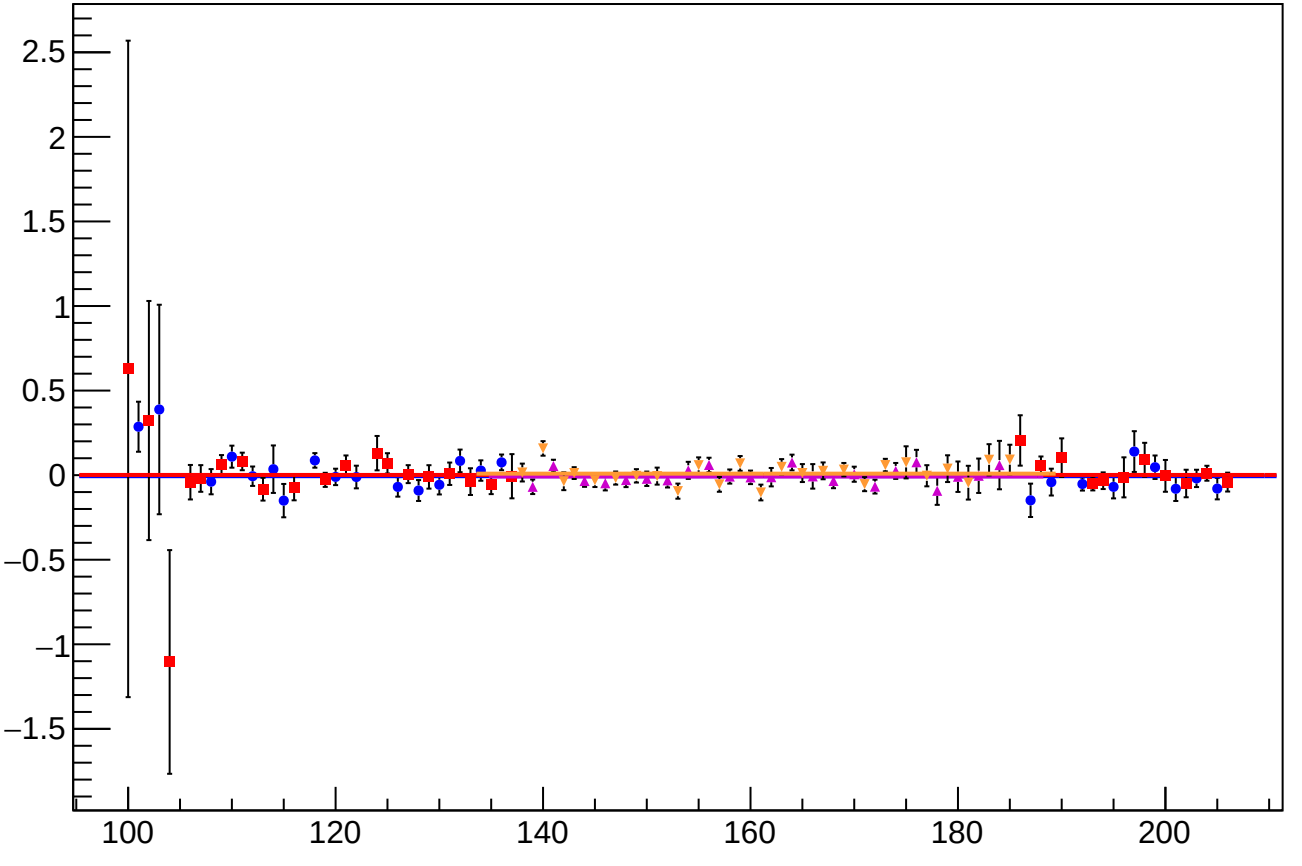
Right: 0.002+/-0.000 χ^2/NDF: 14292047.9/54

In: 0.002+/-0.000 χ^2/NDF:10848317.7/47

Out: 0.002+/-0.000 χ^2/NDF:11569998.5/54

All: 0.002+/-0.000 χ^2/NDF: 22431054.1/102

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

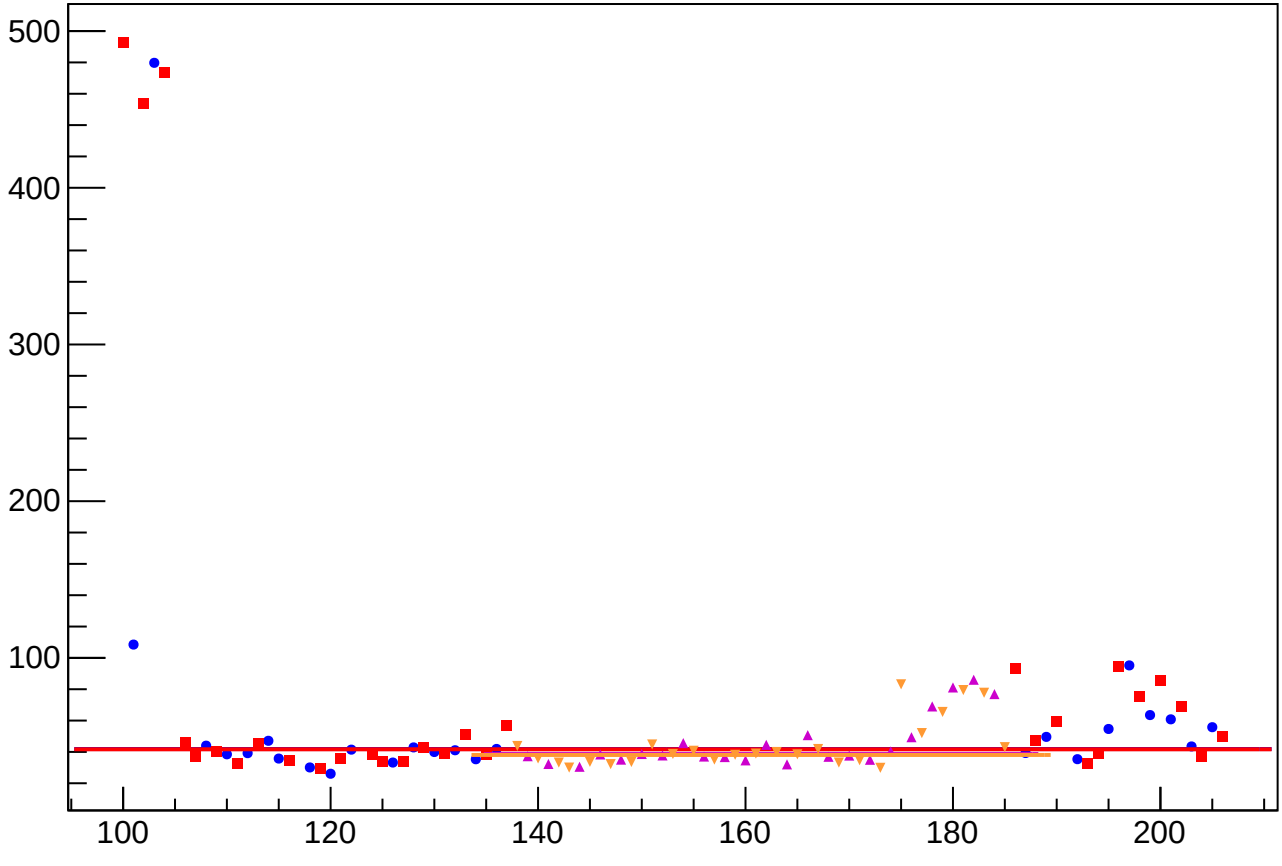
Right: -0.002+/-0.009 χ^2/NDF: 55.8/54

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.000+/-0.005 χ^2/NDF: 114.8/102

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

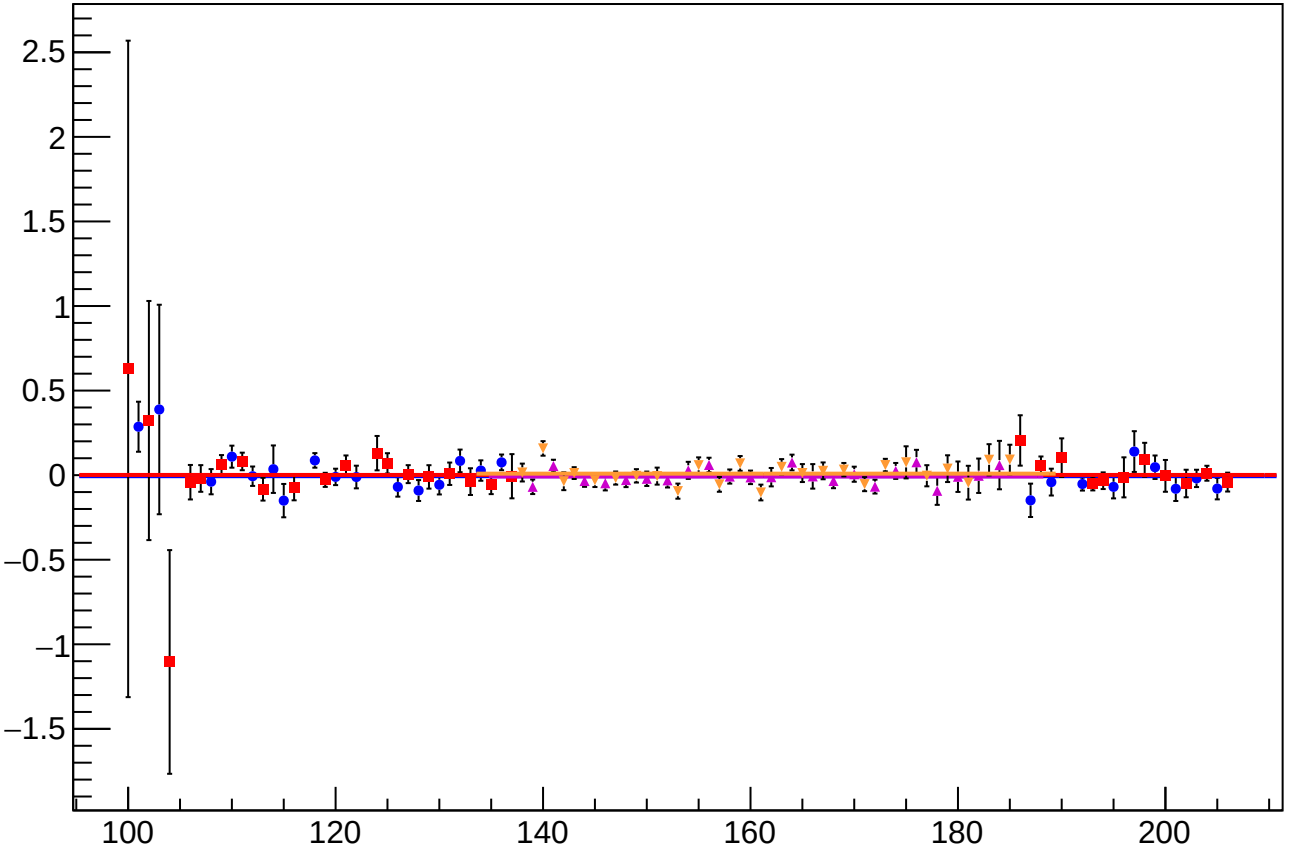
Right: 41.751+/-0.006 χ^2/NDF: 6669843.7/54

In: 39.840+/-0.006 χ^2/NDF:4636584.6/47

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.631+/-0.004 χ^2/NDF: 10554078.3/102

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

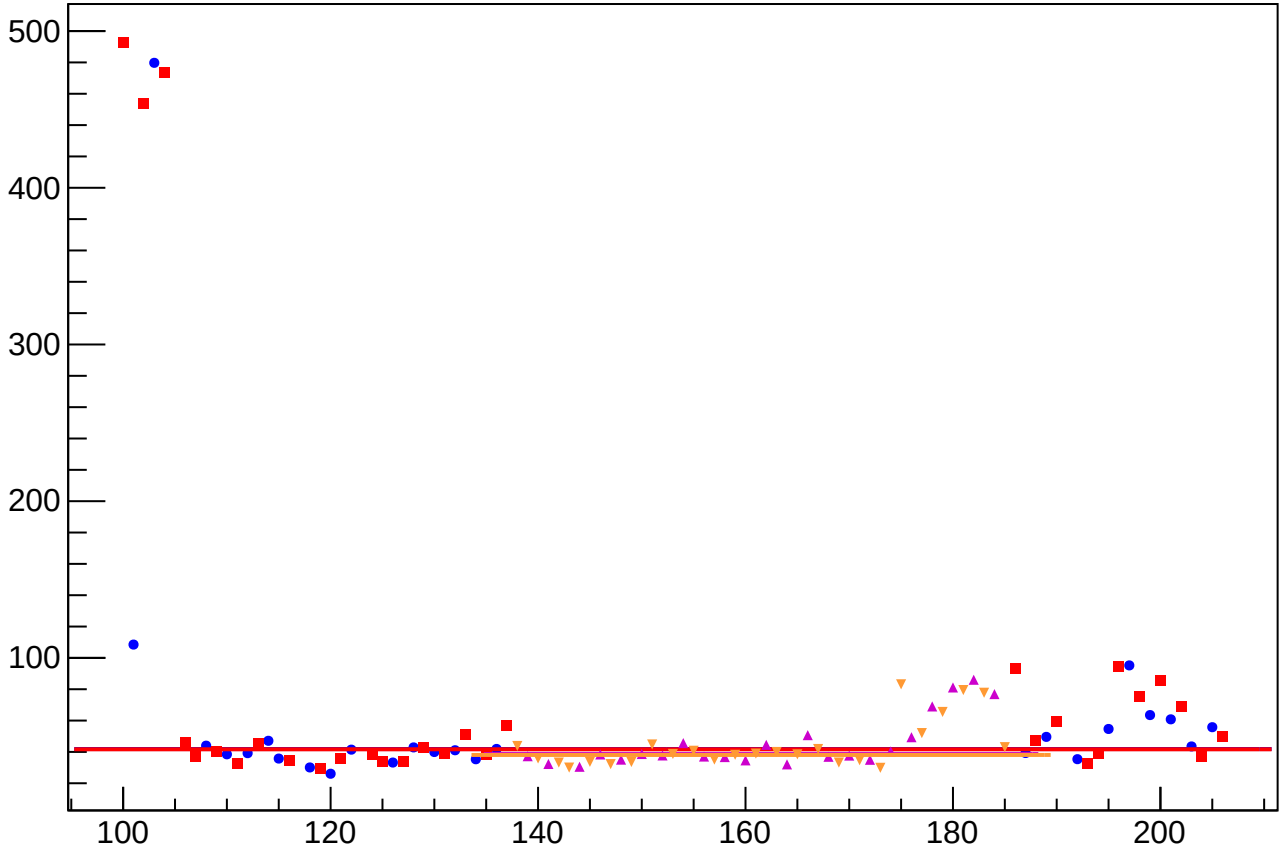
Right: -0.002+/-0.009 χ^2/NDF: 55.8/54

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.000+/-0.005 χ^2/NDF: 114.8/102

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

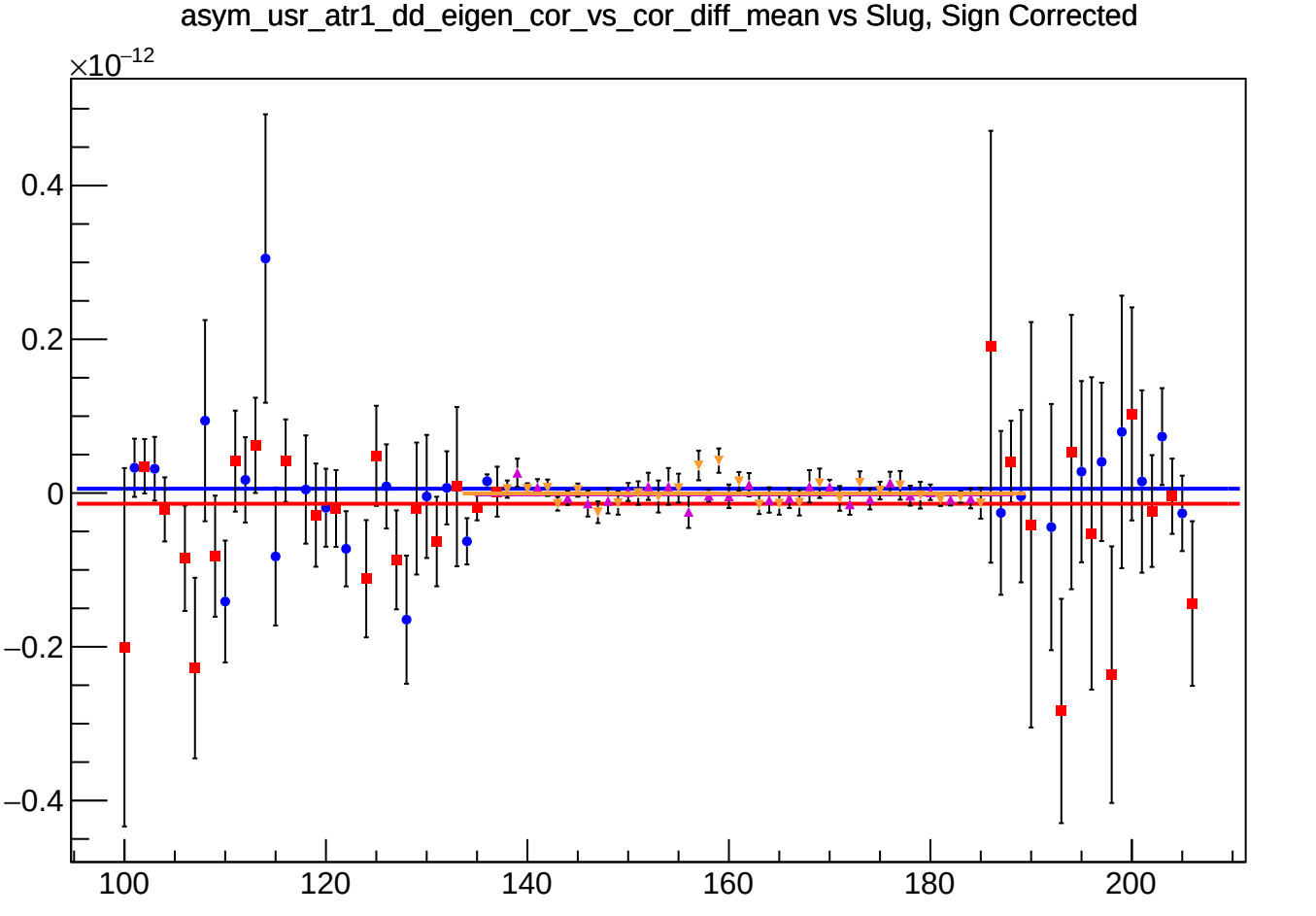
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.751+/-0.006 χ^2/NDF: 6669843.7/54

In: 39.840+/-0.006 χ^2/NDF:4636584.6/47

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.631+/-0.004 χ^2/NDF: 10554078.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/29

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

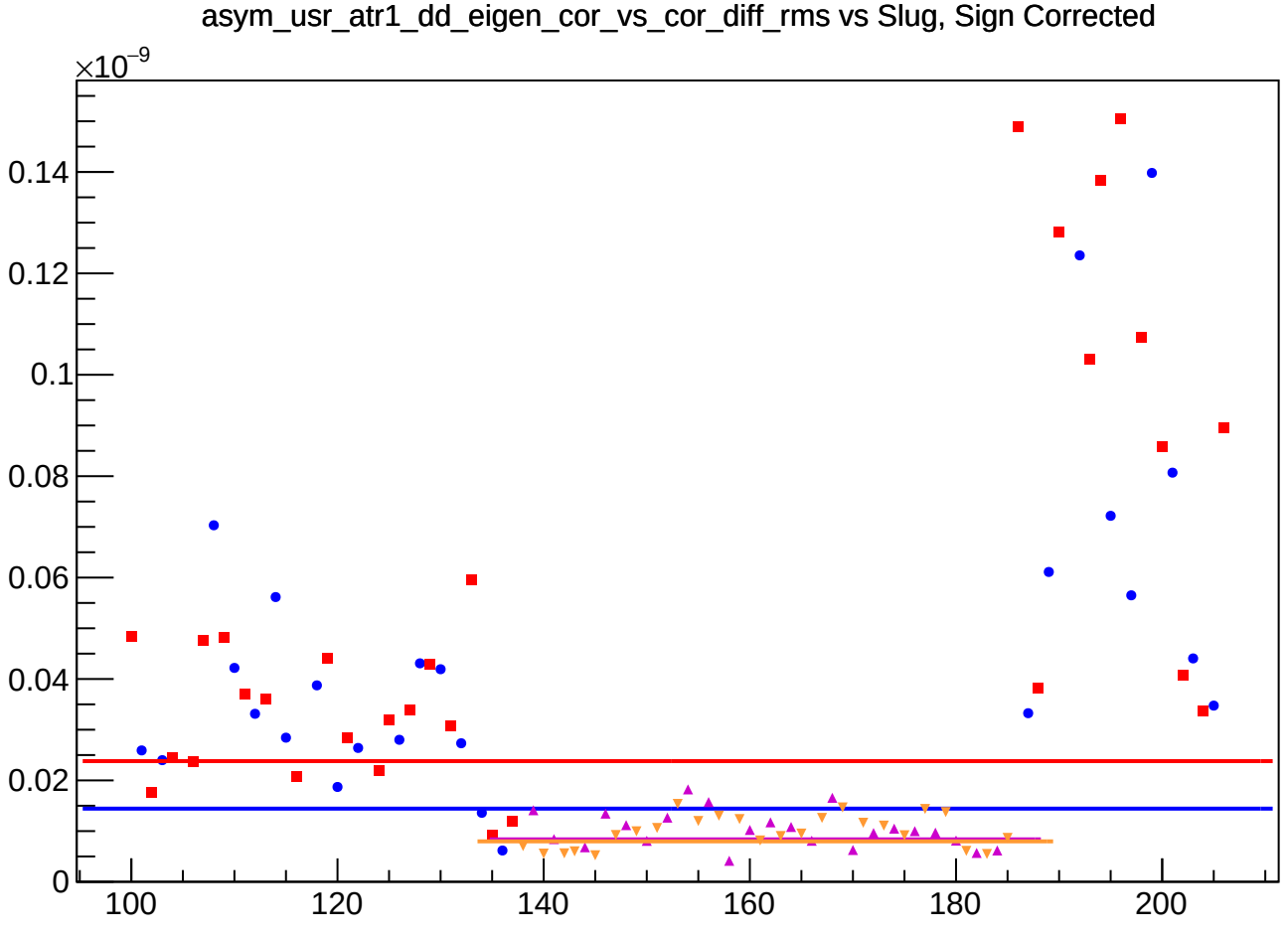
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 51.5/54

In: -0.000+/-0.000 χ^2/NDF:36.3/47

Out: -0.000+/-0.000 χ^2/NDF:53.8/54

All: -0.000+/-0.000 χ^2/NDF: 90.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 8634940.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7829472.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

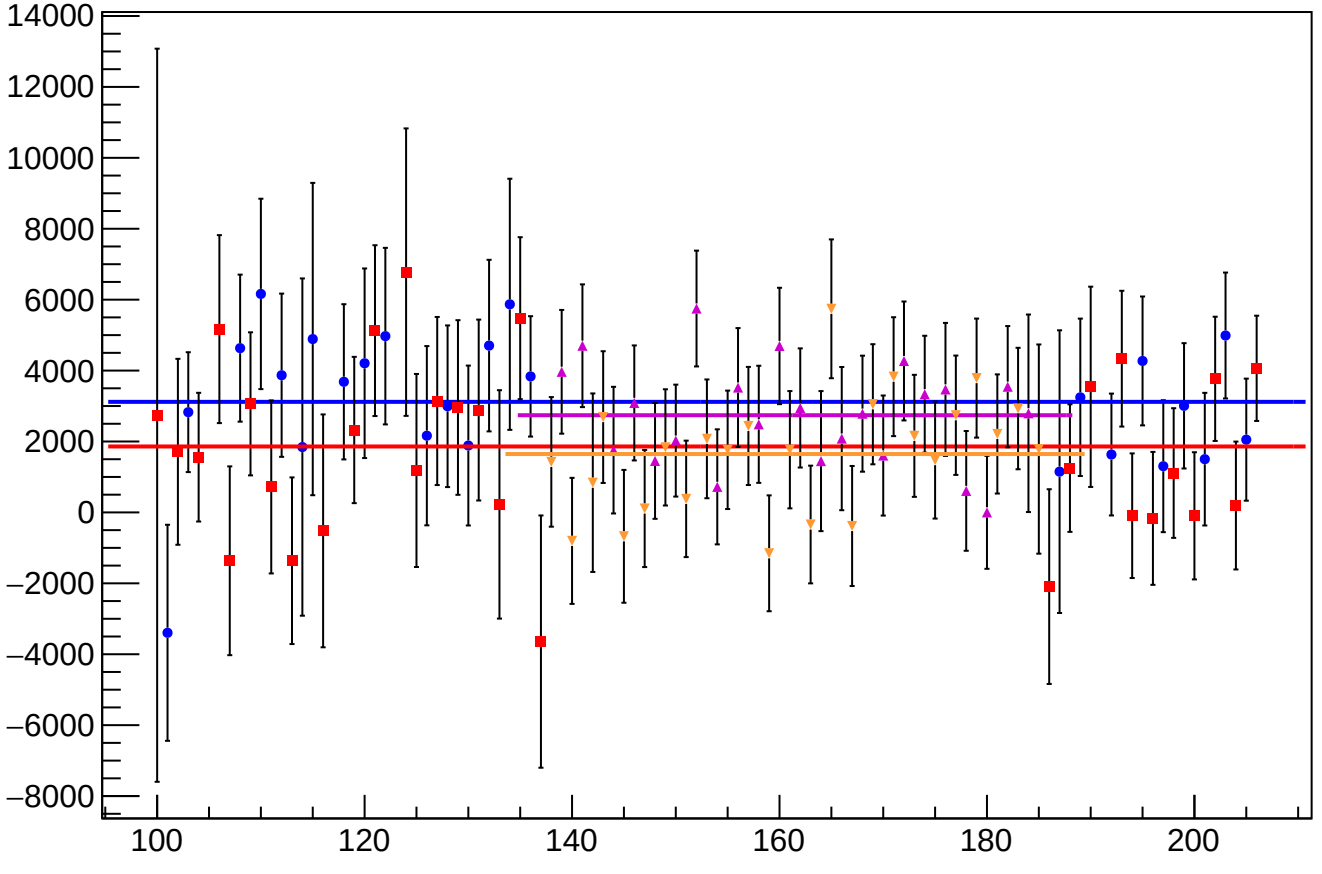
Right: 0.000+/-0.000 χ^2/NDF: 17625691.9/54

In: 0.000+/-0.000 χ^2/NDF:12638176.3/47

Out: 0.000+/-0.000 χ^2/NDF:15499159.5/54

All: 0.000+/-0.000 χ^2/NDF: 28142649.7/102

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3118.222+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.708+/-406.836 χ^2/NDF: 27.5/29

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

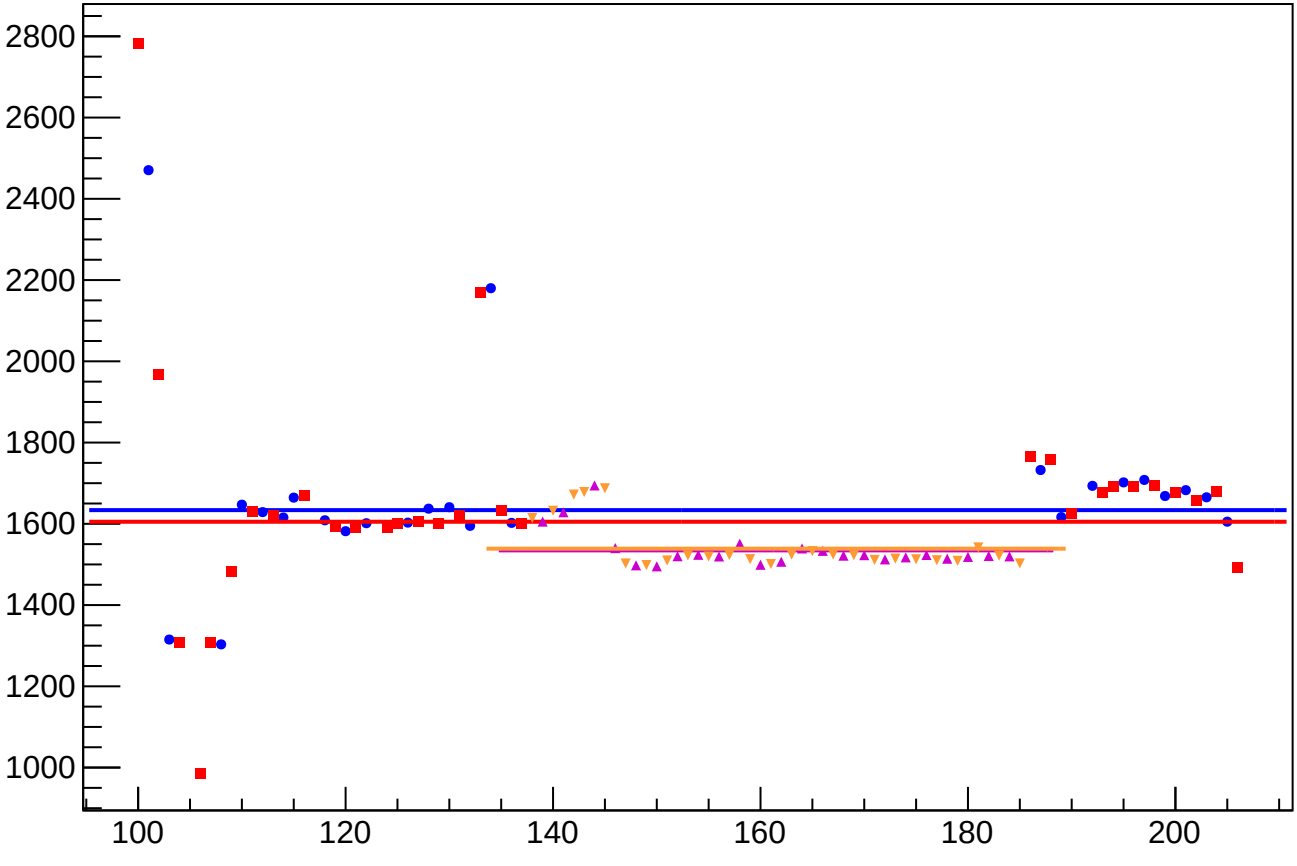
Right: 2443.294+/-297.933 χ^2/NDF: 45.7/54

In: 2892.465+/-277.279 χ^2/NDF:30.7/47

Out: 1737.054+/-265.220 χ^2/NDF:48.7/54

All: 2289.089+/-191.660 χ^2/NDF: 88.4/102

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.684+/-0.309 χ^2/NDF: 336489.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1605.085+/-0.285 χ^2/NDF: 455751.5/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

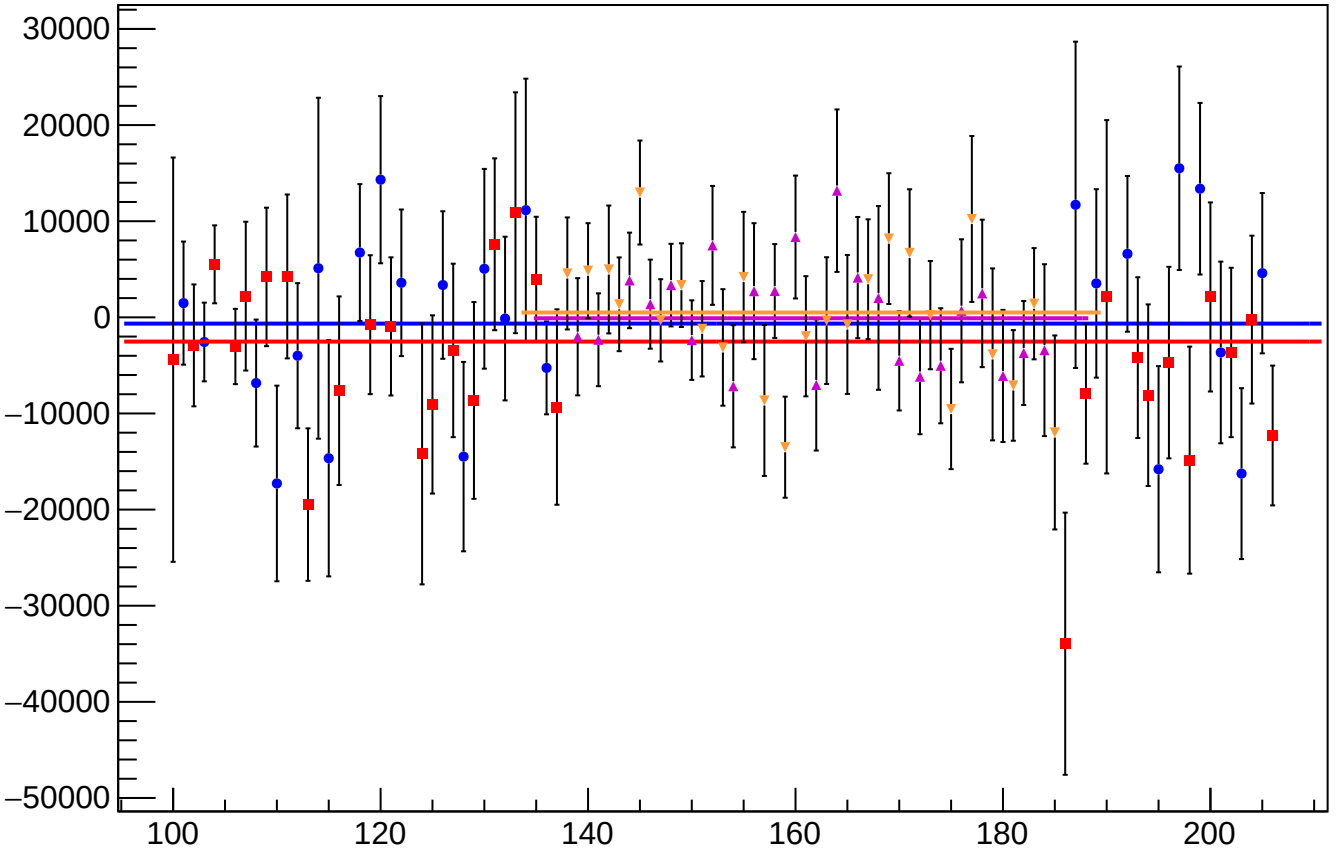
Right: 1618.231+/-0.210 χ^2/NDF: 796858.8/54

In: 1574.405+/-0.196 χ^2/NDF:428969.3/47

Out: 1567.240+/-0.187 χ^2/NDF:533612.9/54

All: 1570.651+/-0.135 χ^2/NDF: 963282.0/102

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.821+/-1600.779 χ^2/NDF: 25.9/24

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2523.823+/-1437.203 χ^2/NDF: 25.8/29

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

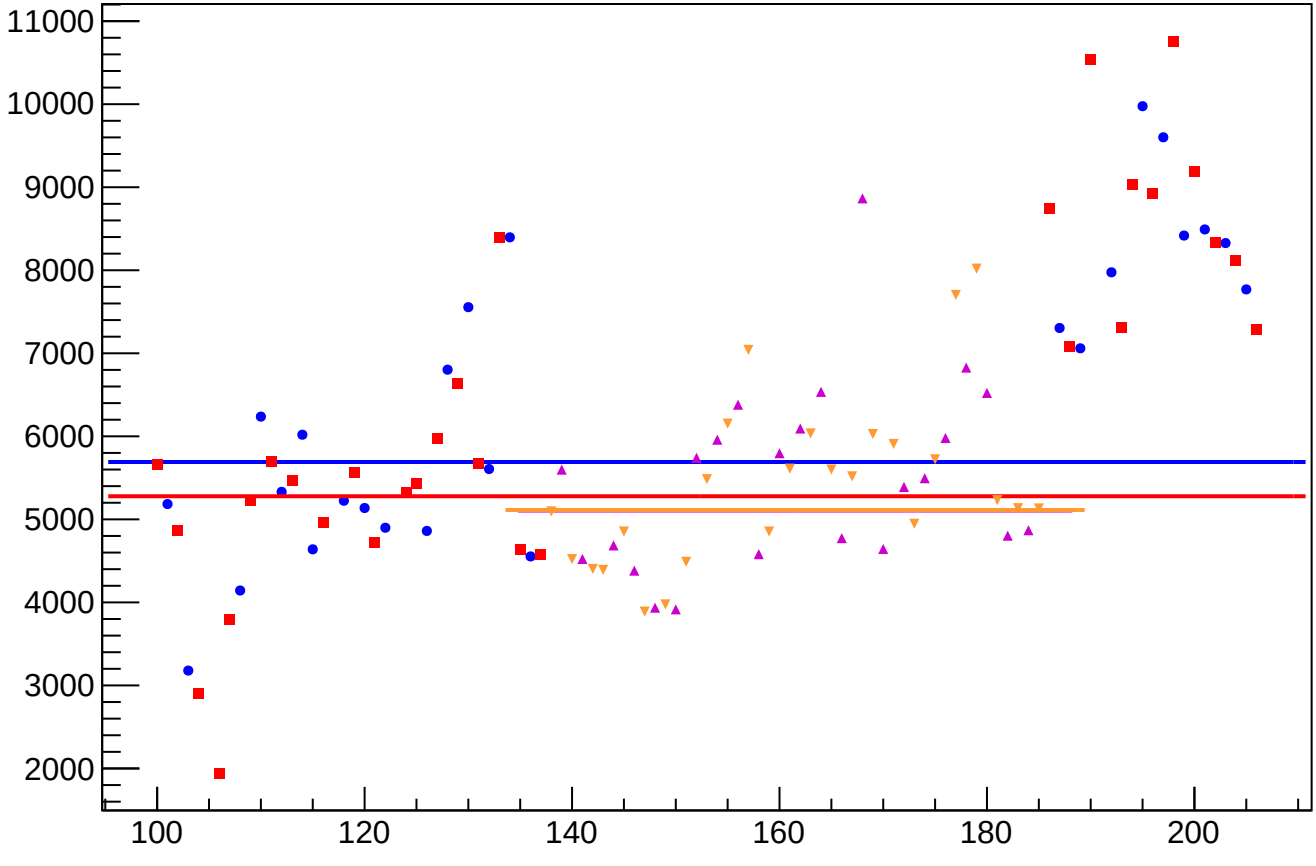
Right: -1688.326+/-1069.426 χ^2/NDF: 52.5/54

In: -300.921+/-969.105 χ^2/NDF:40.9/47

Out: -724.291+/-915.351 χ^2/NDF:55.3/54

All: -524.673+/-665.443 χ^2/NDF: 96.3/102

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5690.750+/-1.132 χ^2/NDF: 2713053.3/24

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5278.259+/-1.016 χ^2/NDF: 4918956.8/29

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

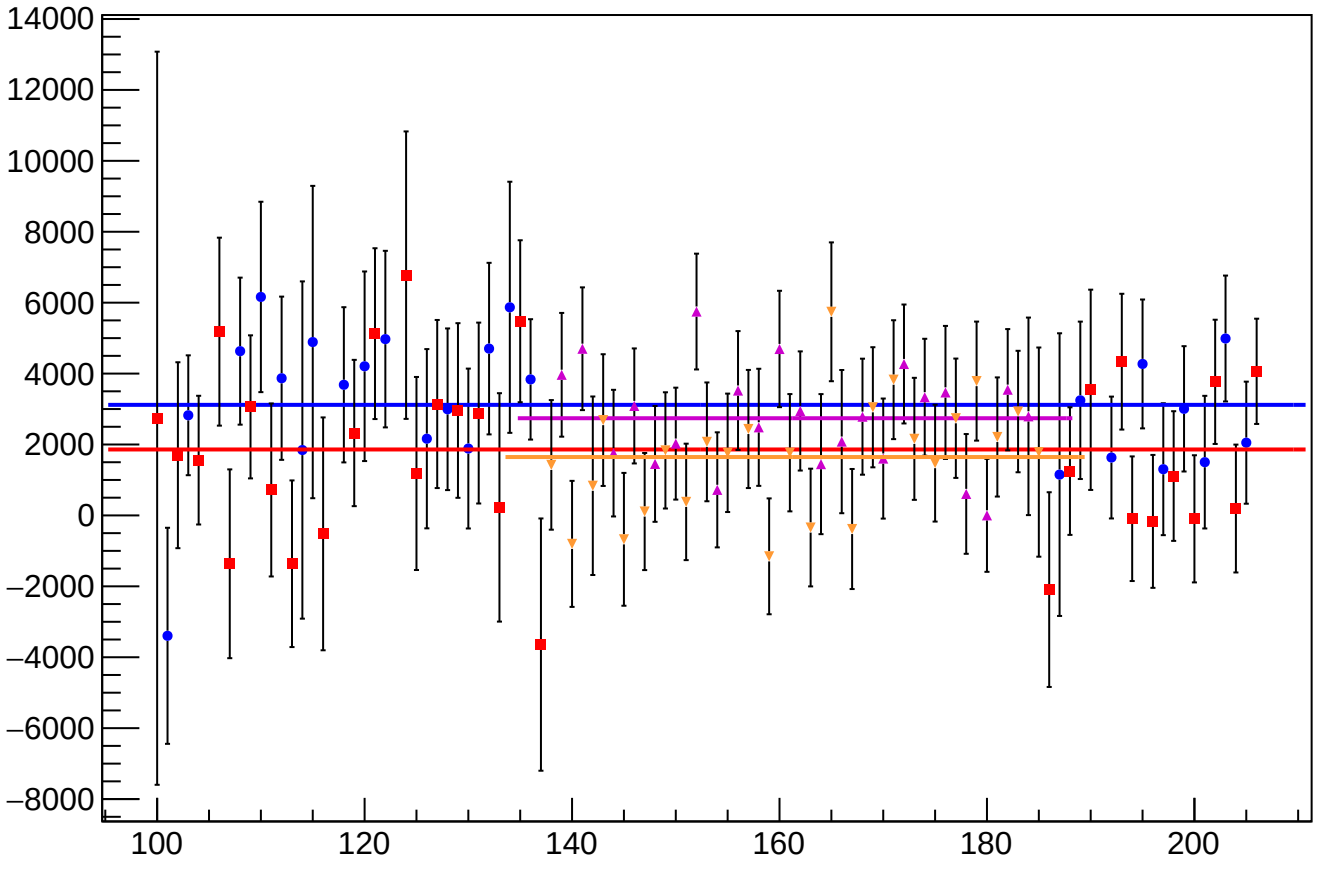
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5462.359+/-0.756 χ^2/NDF: 7705539.5/54

In: 5320.558+/-0.685 χ^2/NDF:4133516.7/47

Out: 5180.008+/-0.647 χ^2/NDF:6093693.3/54

All: 5246.277+/-0.471 χ^2/NDF: 10249442.8/1



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.711+/-406.837 χ^2/NDF: 27.5/29

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

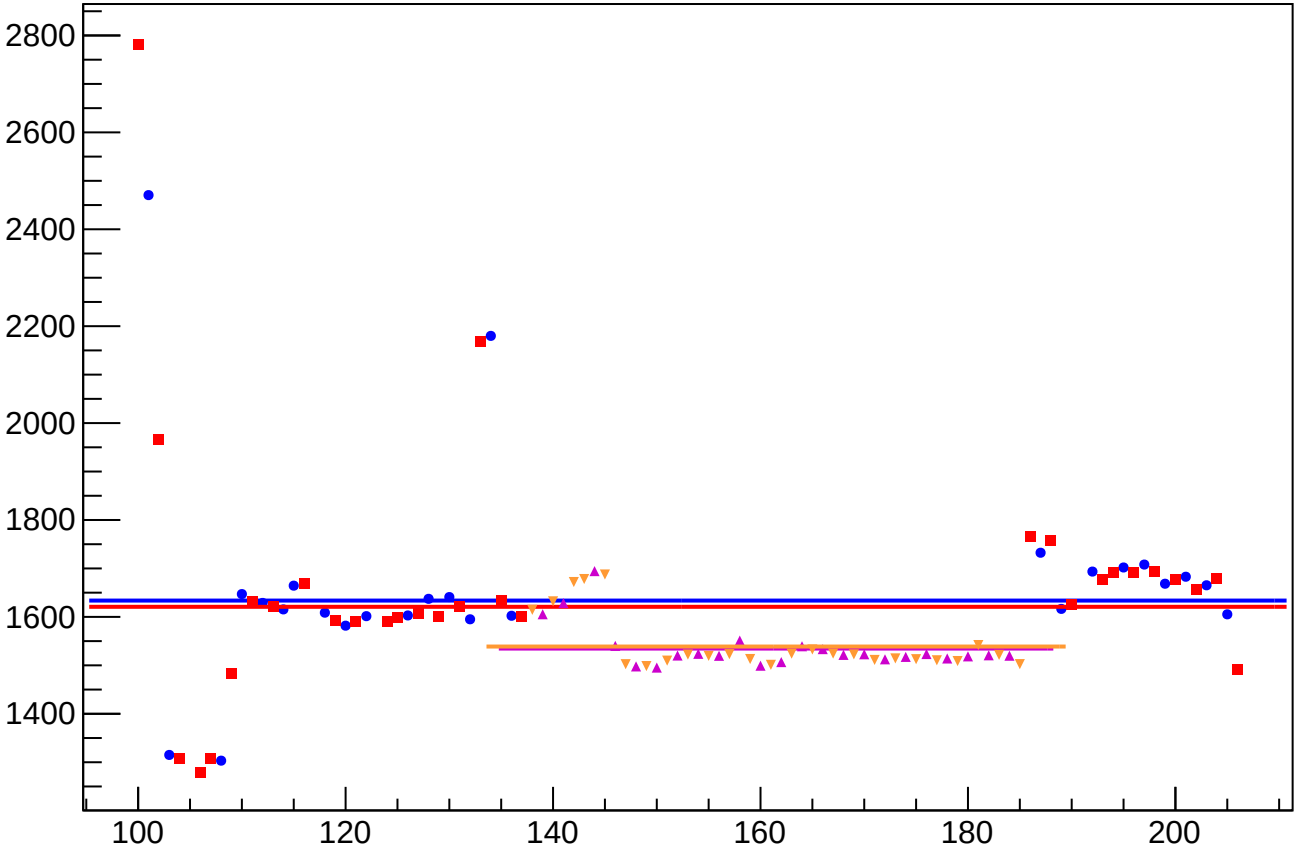
Right: 2443.230+/-297.934 χ^2/NDF: 45.7/54

In: 2892.348+/-277.279 χ^2/NDF:30.7/47

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2289.002+/-191.661 χ^2/NDF: 88.5/102

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

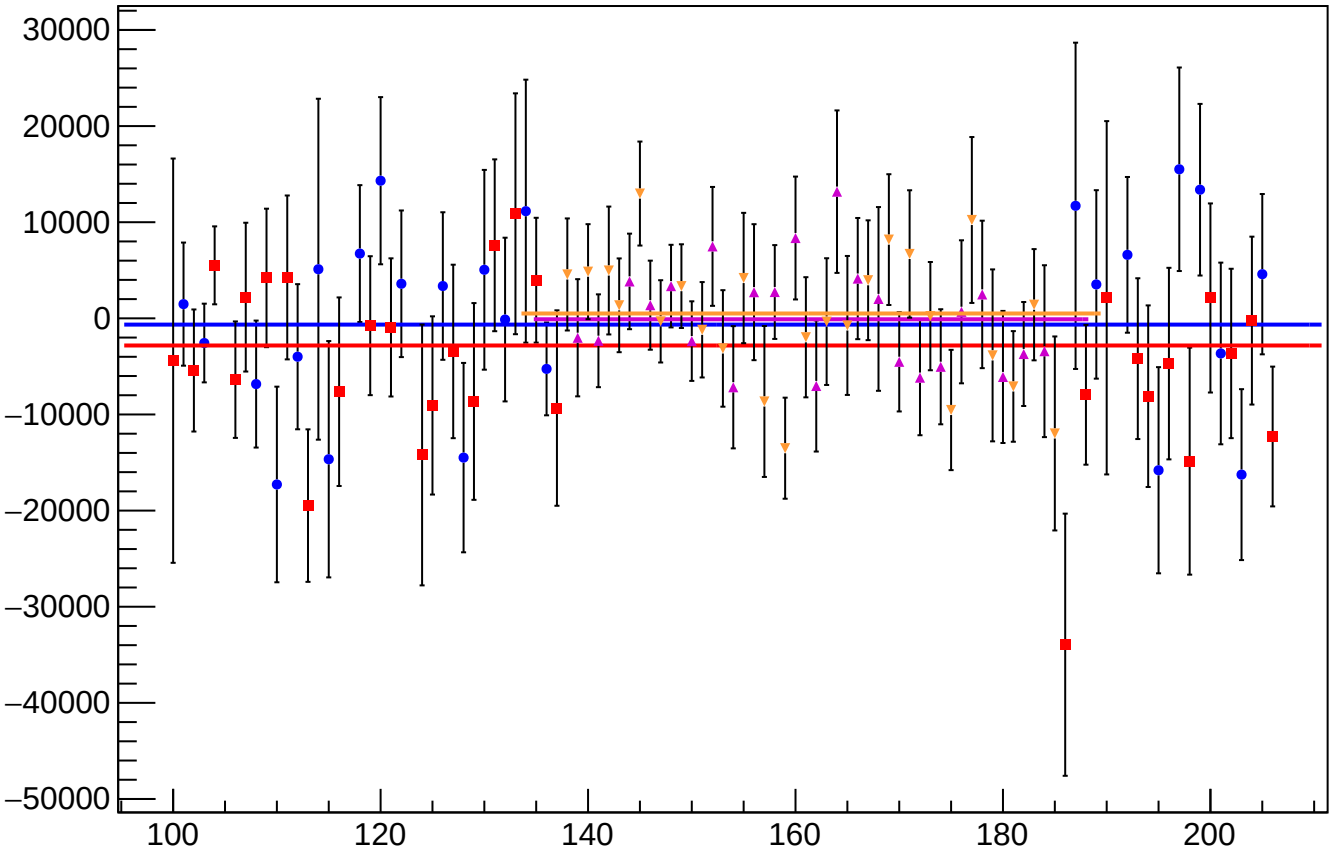
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1626.766+/-0.210 χ^2/NDF: 640586.5/54

In: 1574.406+/-0.196 χ^2/NDF:428968.5/47

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1574.054+/-0.135 χ^2/NDF: 826015.2/102



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2824.358+/-1497.178 χ^2/NDF: 26.4/29

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

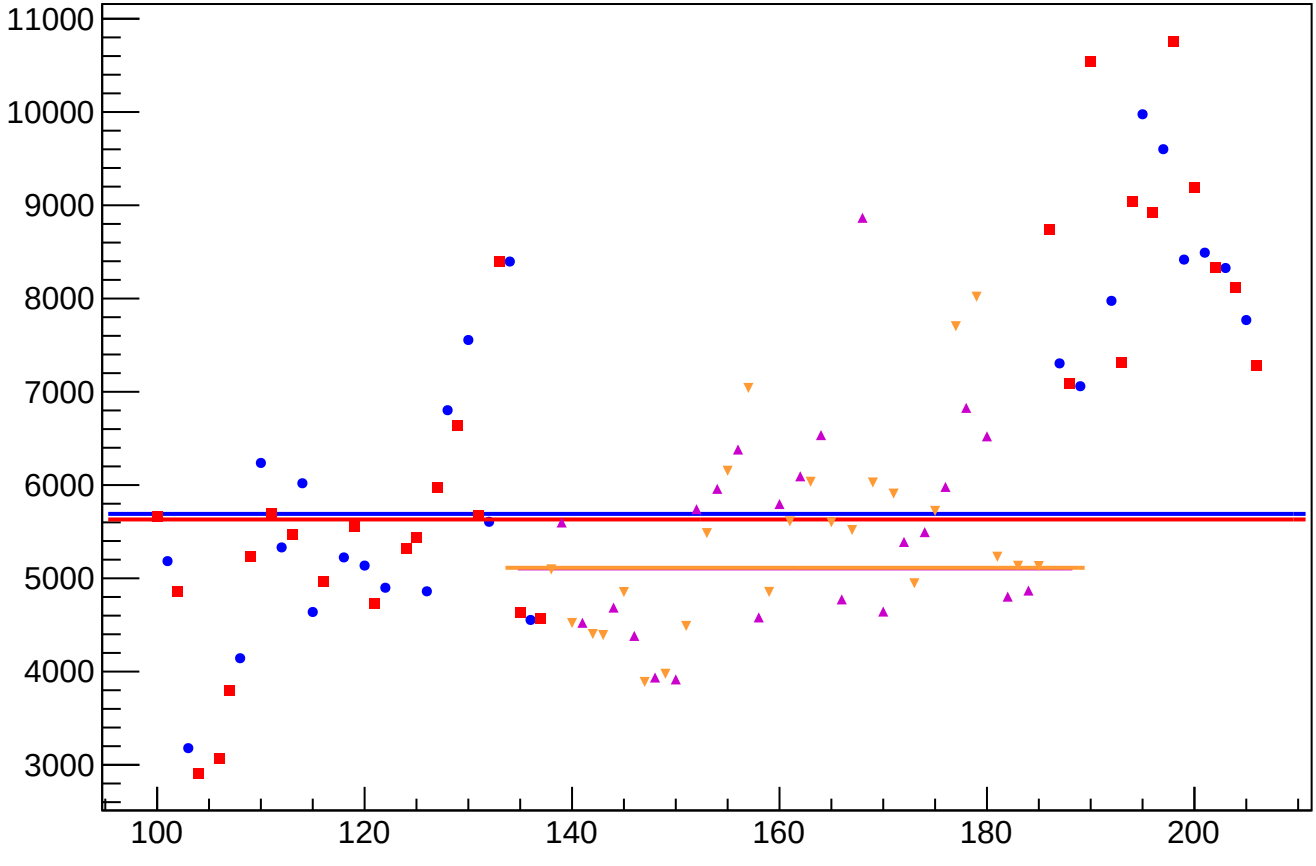
Right: -1810.729+/-1093.465 χ^2/NDF: 53.3/54

In: -300.969+/-969.111 χ^2/NDF:40.9/47

Out: -781.124+/-930.283 χ^2/NDF:56.2/54

All: -550.858+/-671.116 χ^2/NDF: 97.2/102

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

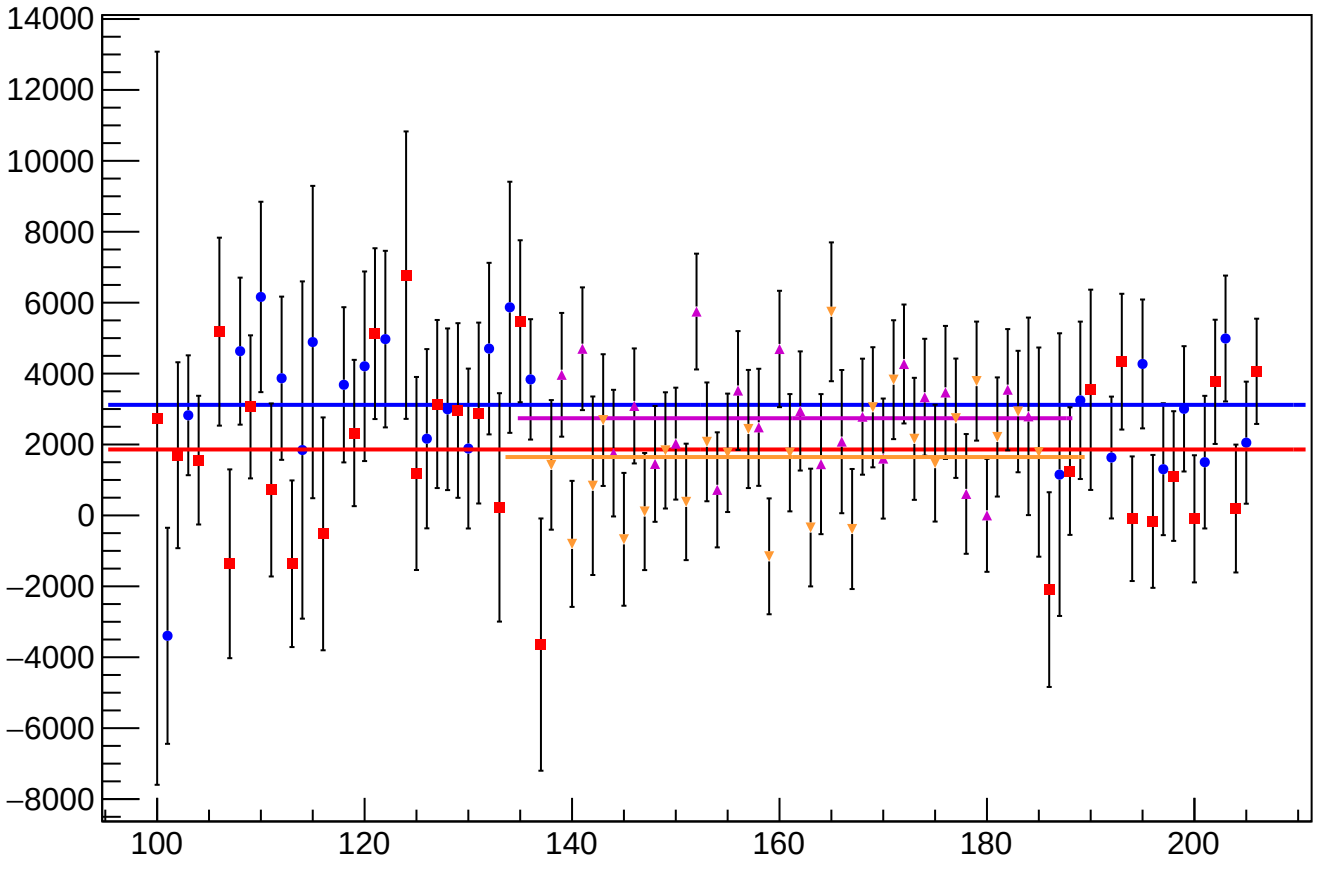
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5659.021+/-0.773 χ^2/NDF: 6334614.9/54

In: 5320.600+/-0.685 χ^2/NDF:4133236.1/47

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5316.655+/-0.475 χ^2/NDF: 9059848.4/10



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.711+/-406.837 χ^2/NDF: 27.5/29

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

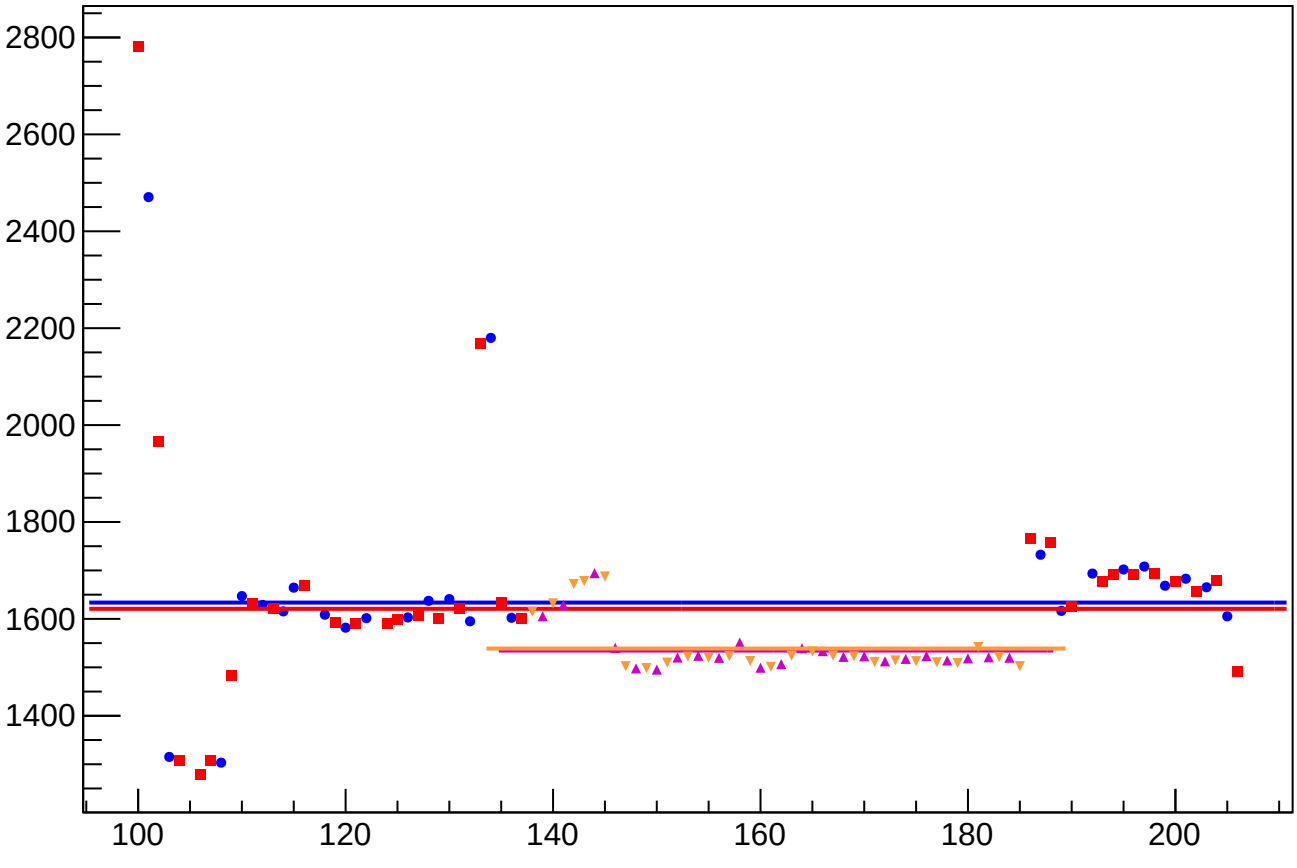
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2443.230+/-297.934 χ^2/NDF: 45.7/54

In: 2892.348+/-277.279 χ^2/NDF:30.7/47

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2289.002+/-191.661 χ^2/NDF: 88.5/102



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

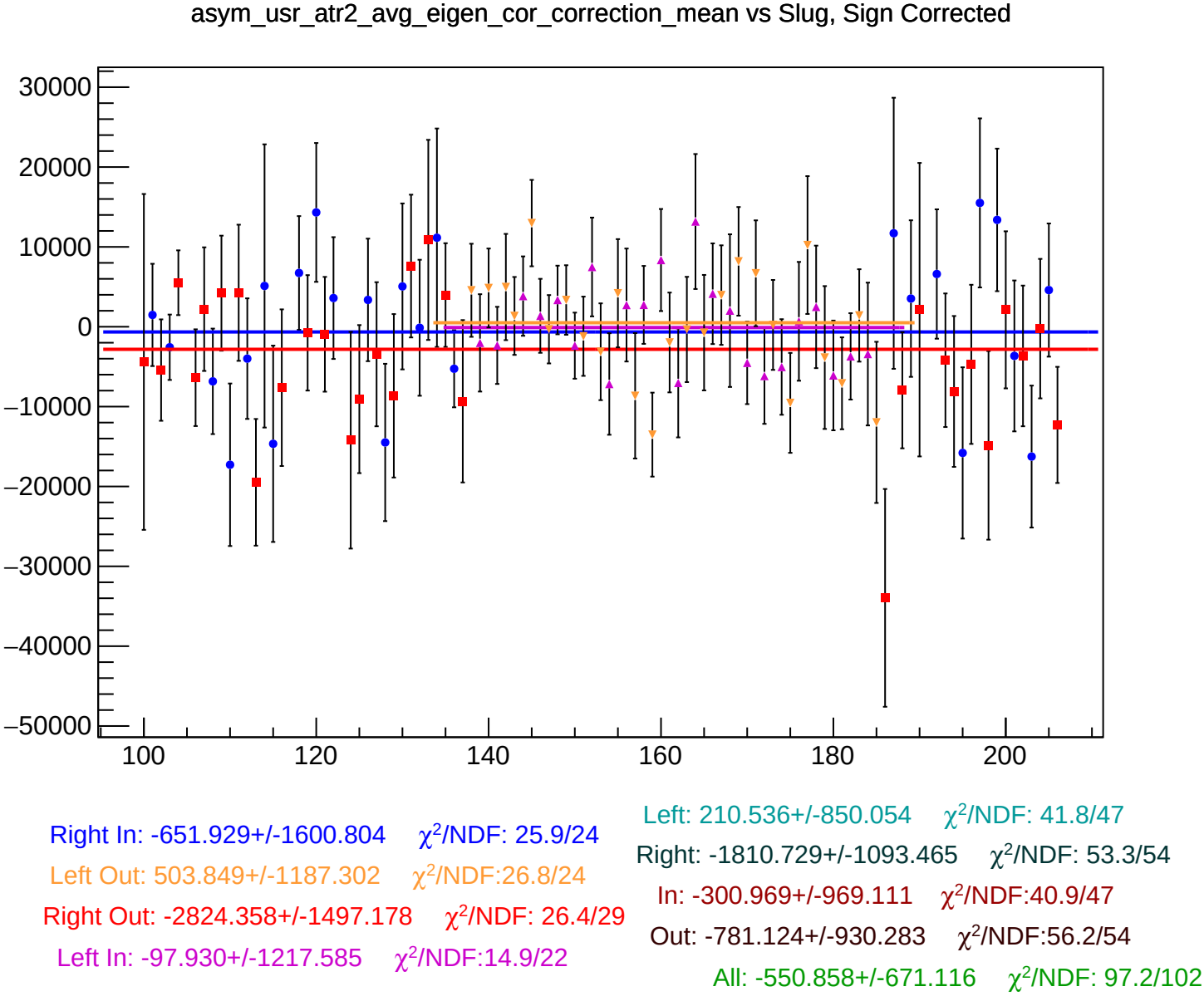
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

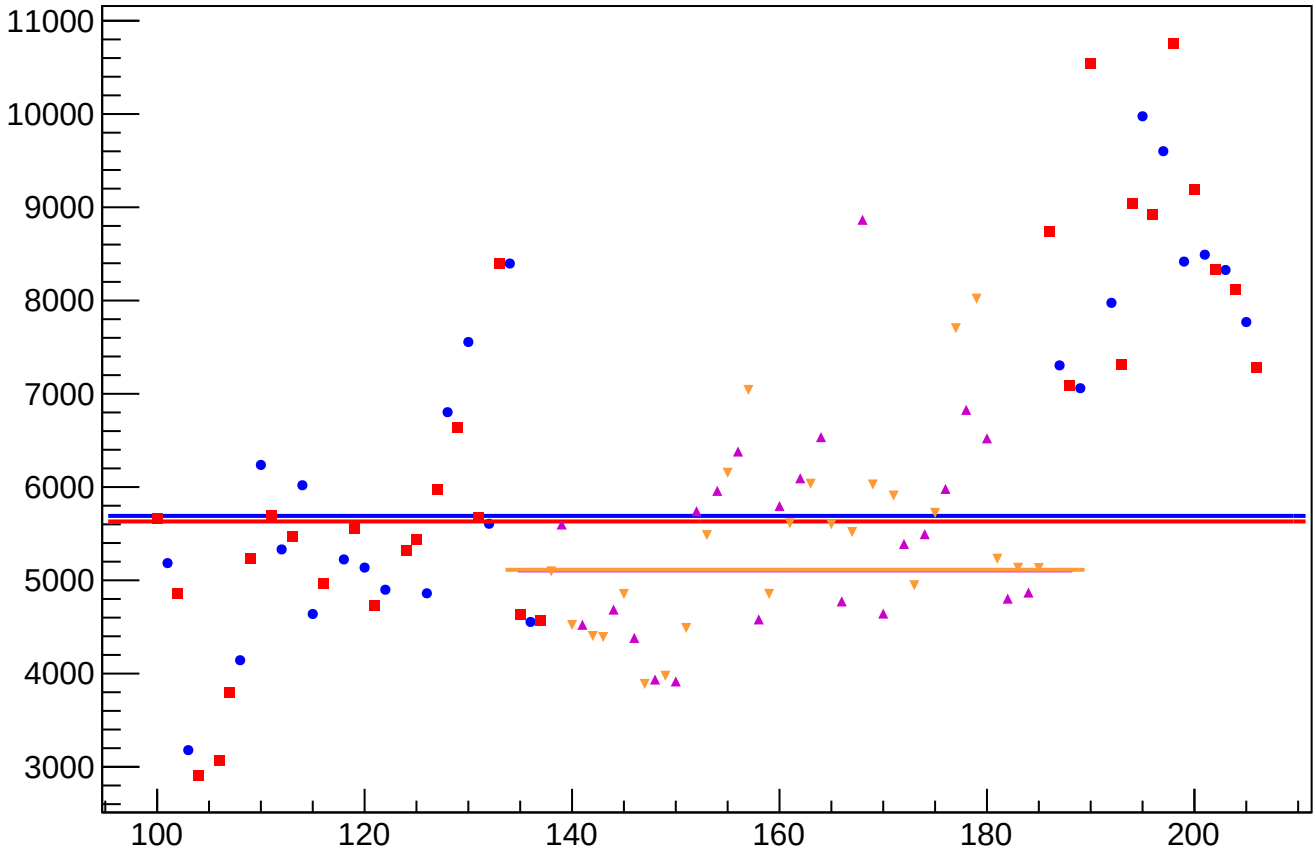
Right: 1626.766+/-0.210 χ^2/NDF: 640586.5/54

In: 1574.406+/-0.196 χ^2/NDF:428968.5/47

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1574.054+/-0.135 χ^2/NDF: 826015.2/102


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -651.929+/-1600.804 χ²/NDF: 25.9/24
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2824.358+/-1497.178 χ²/NDF: 26.4/29
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1810.729+/-1093.465 χ²/NDF: 53.3/54
In: -300.969+/-969.111 χ²/NDF:40.9/47
Out: -781.124+/-930.283 χ²/NDF:56.2/54
All: -550.858+/-671.116 χ²/NDF: 97.2/102



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

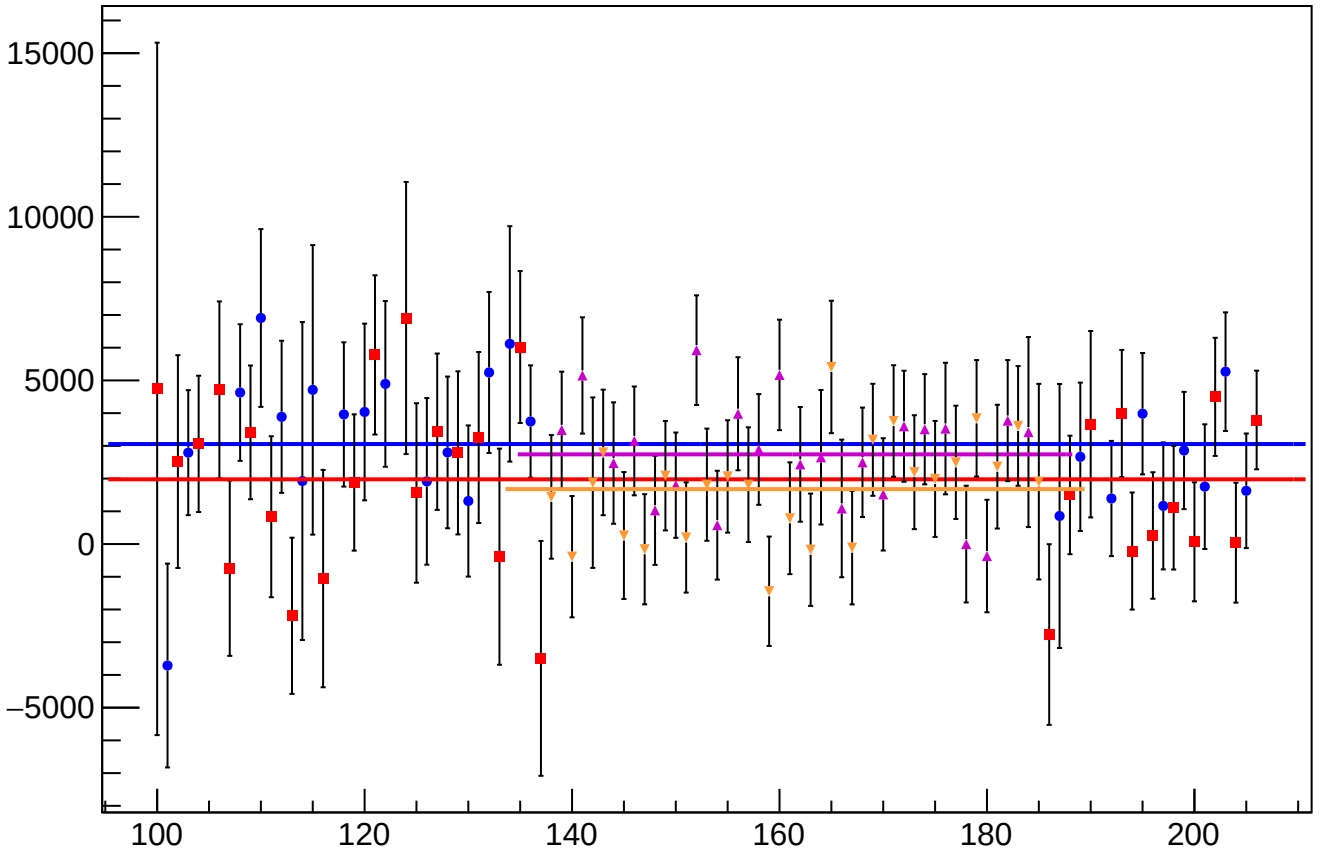
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5659.021+/-0.773 χ^2/NDF: 6334614.9/54

In: 5320.600+/-0.685 χ^2/NDF:4133236.1/47

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5316.655+/-0.475 χ^2/NDF: 9059848.4/10



Right In: 3055.589+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1978.246+/-417.357 χ^2/NDF: 30.0/29

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

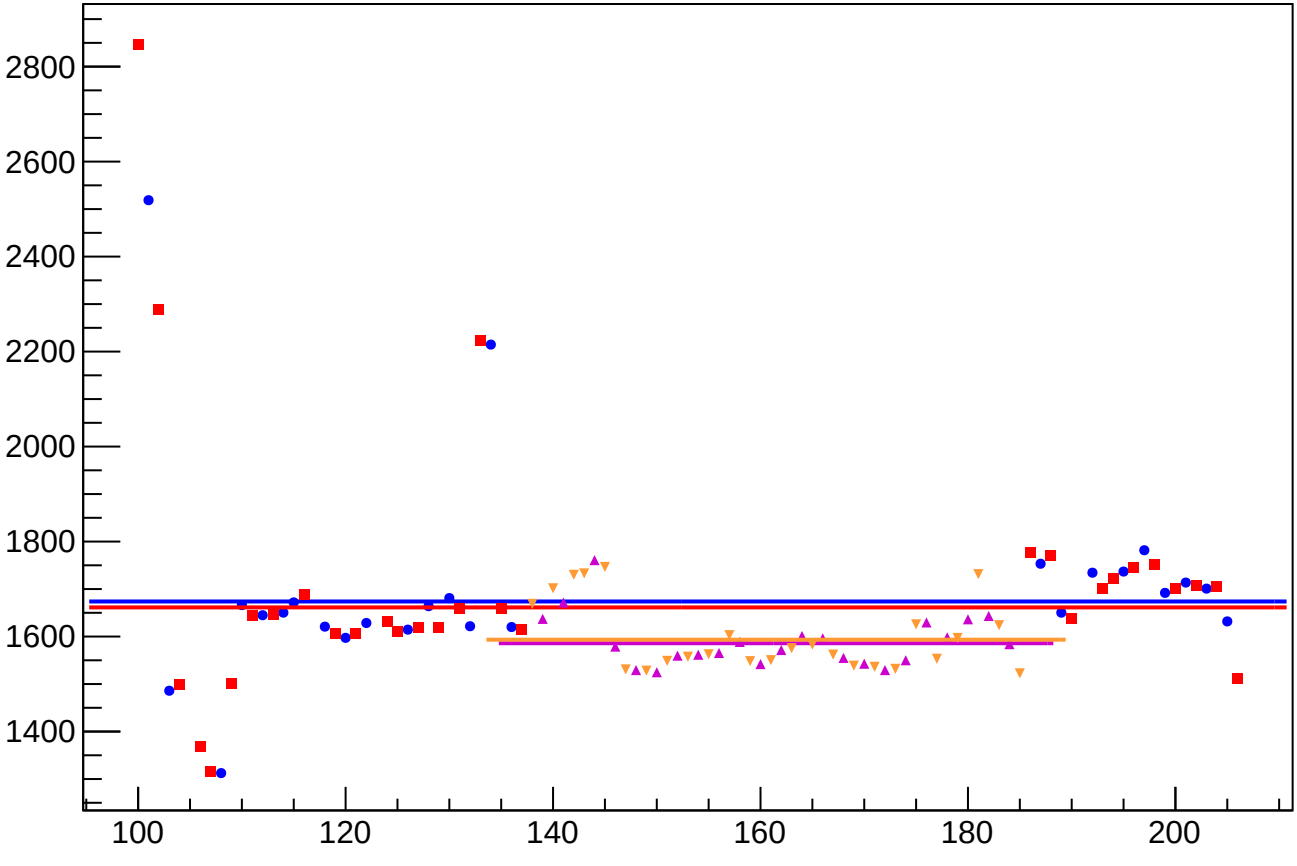
Right: 2478.770+/-305.387 χ^2/NDF: 49.1/54

In: 2868.604+/-285.569 χ^2/NDF:35.5/47

Out: 1807.726+/-273.634 χ^2/NDF:49.3/54

All: 2315.532+/-197.573 χ^2/NDF: 91.9/102

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.2/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.5/29

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

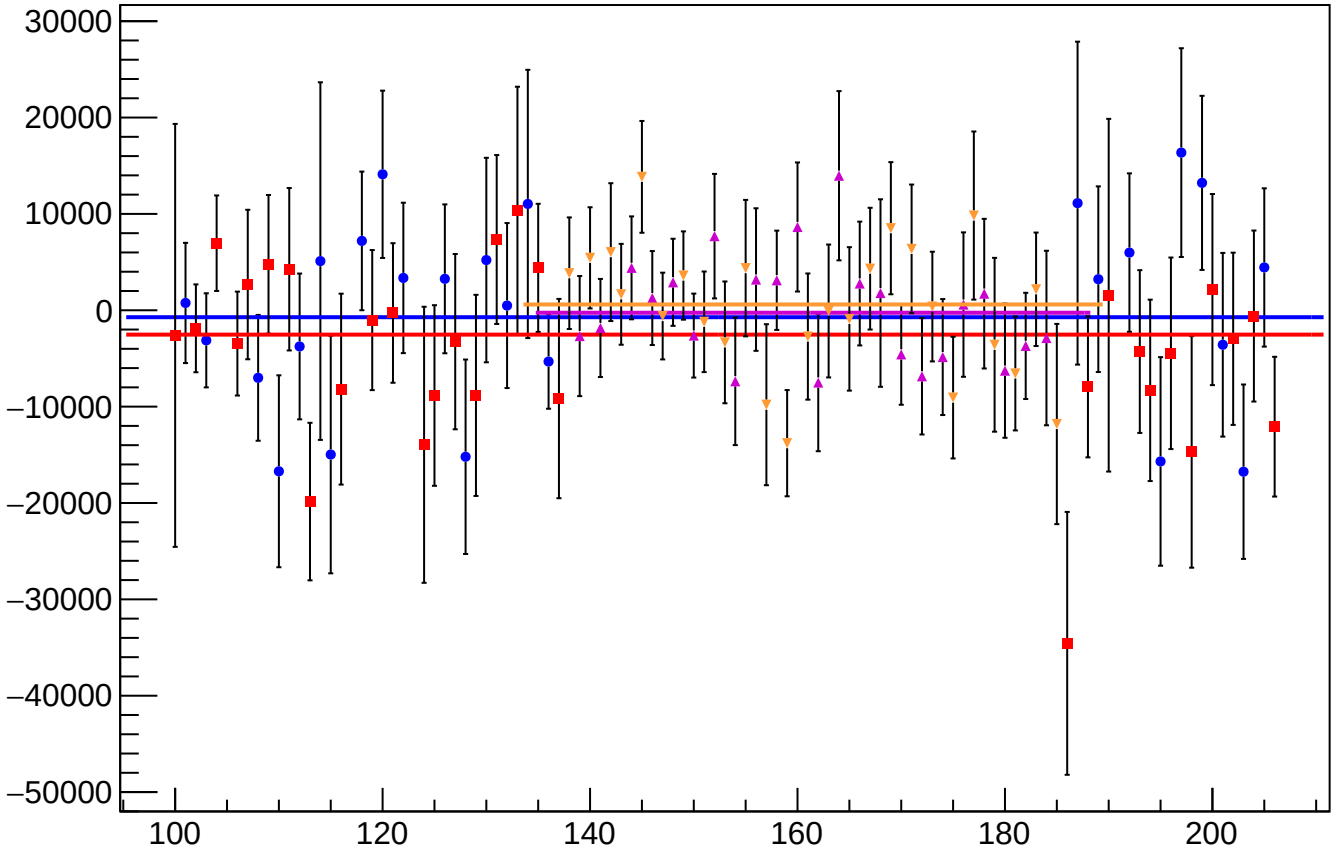
Right: 1667.159+/-0.216 χ^2/NDF: 584268.1/54

In: 1621.641+/-0.202 χ^2/NDF:381614.9/47

Out: 1622.618+/-0.193 χ^2/NDF:391610.3/54

All: 1622.151+/-0.140 χ^2/NDF: 773237.5/102

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -720.067+/-1645.086 χ^2/NDF: 25.8/24

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2527.127+/-1489.310 χ^2/NDF: 25.6/29

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

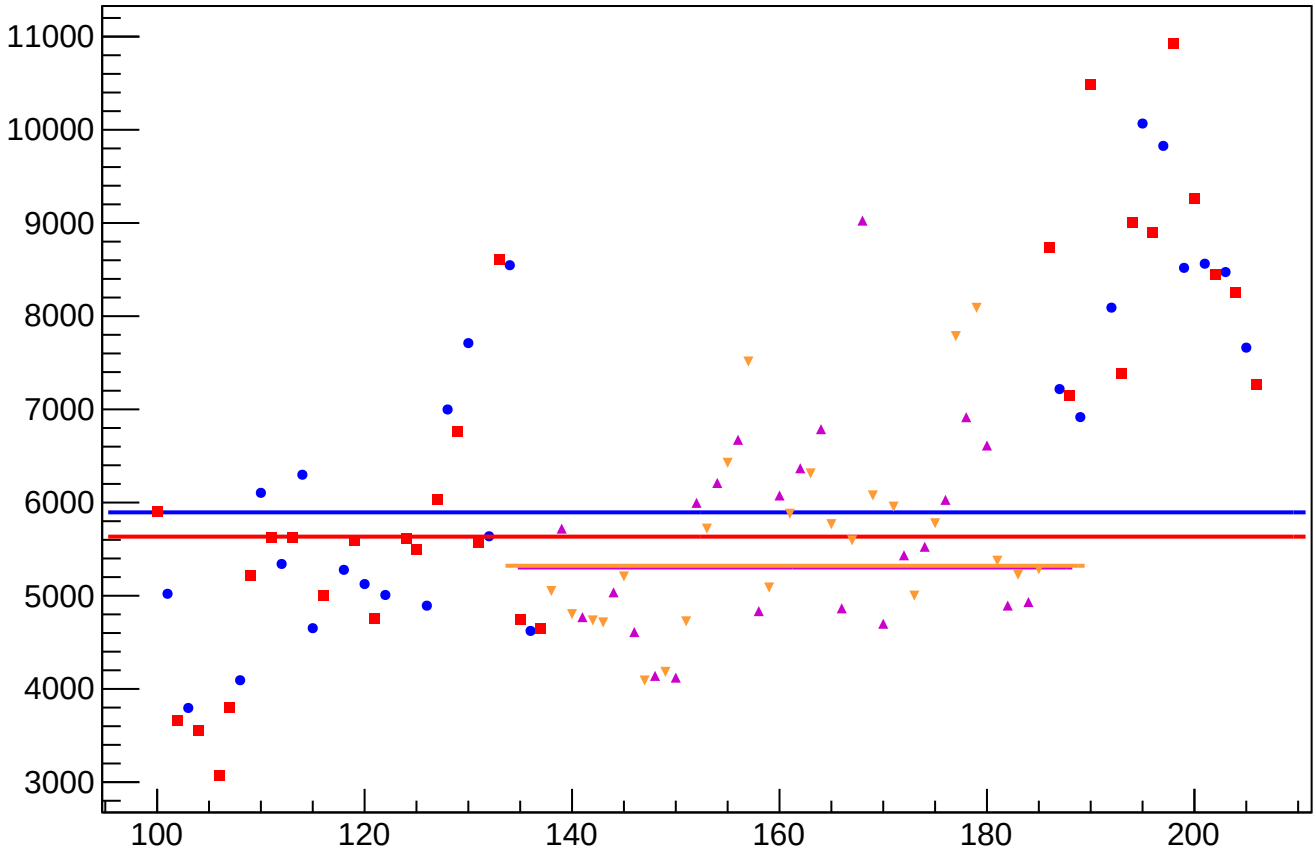
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1713.184+/-1104.077 χ^2/NDF: 52.1/54

In: -427.968+/-1001.609 χ^2/NDF:40.5/47

Out: -671.330+/-950.005 χ^2/NDF:54.3/54

All: -556.080+/-689.276 χ^2/NDF: 94.8/102



Right In: 5894.848+/-1.163 χ^2/NDF: 2294314.0/24

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5634.317+/-1.053 χ^2/NDF: 3539572.8/29

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

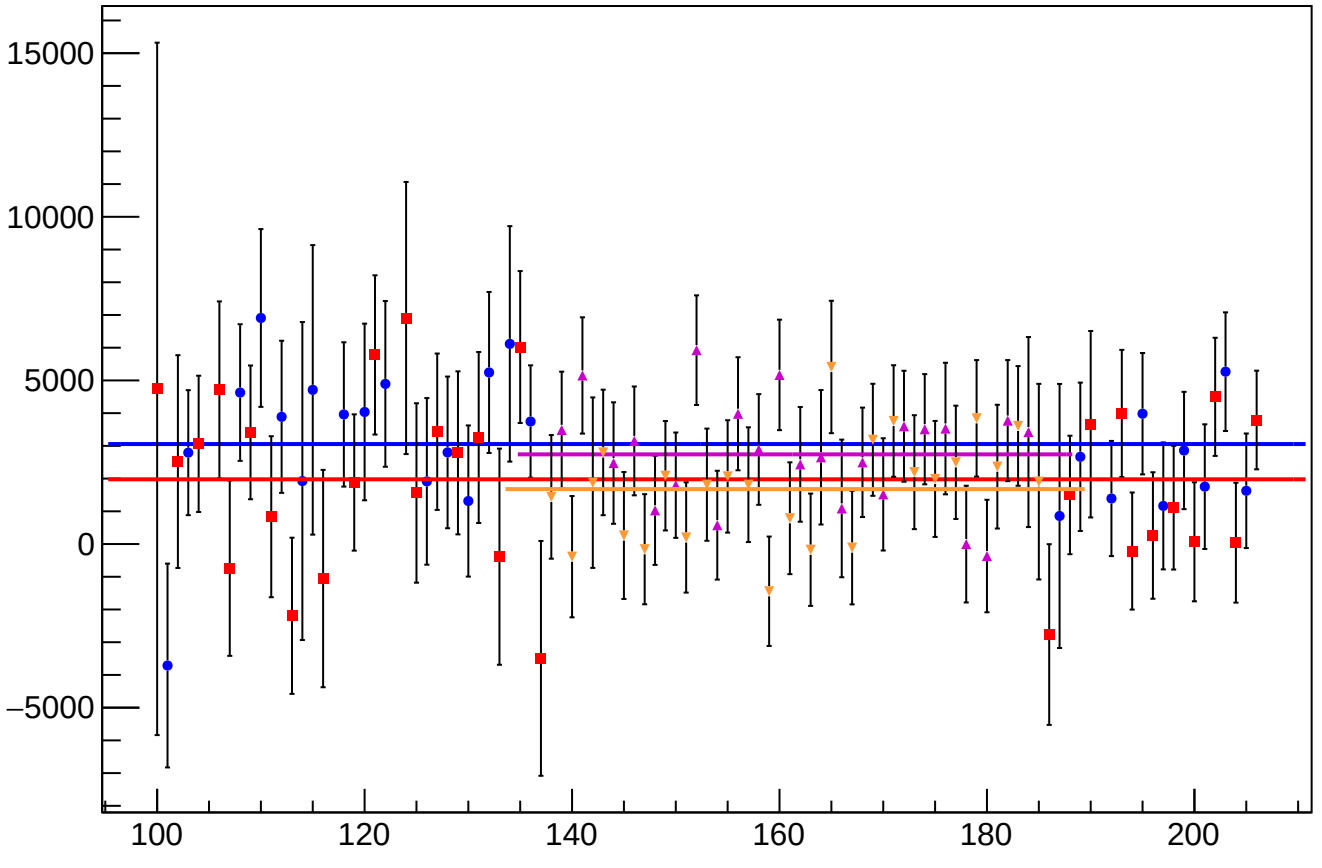
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5751.666+/-0.781 χ^2/NDF: 5861454.3/54

In: 5522.301+/-0.708 χ^2/NDF:3609677.4/47

Out: 5449.054+/-0.672 χ^2/NDF:4628762.2/54

All: 5483.742+/-0.487 χ^2/NDF: 8244070.2/10



Right In: 3055.588+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1978.244+/-417.357 χ^2/NDF: 30.0/29

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

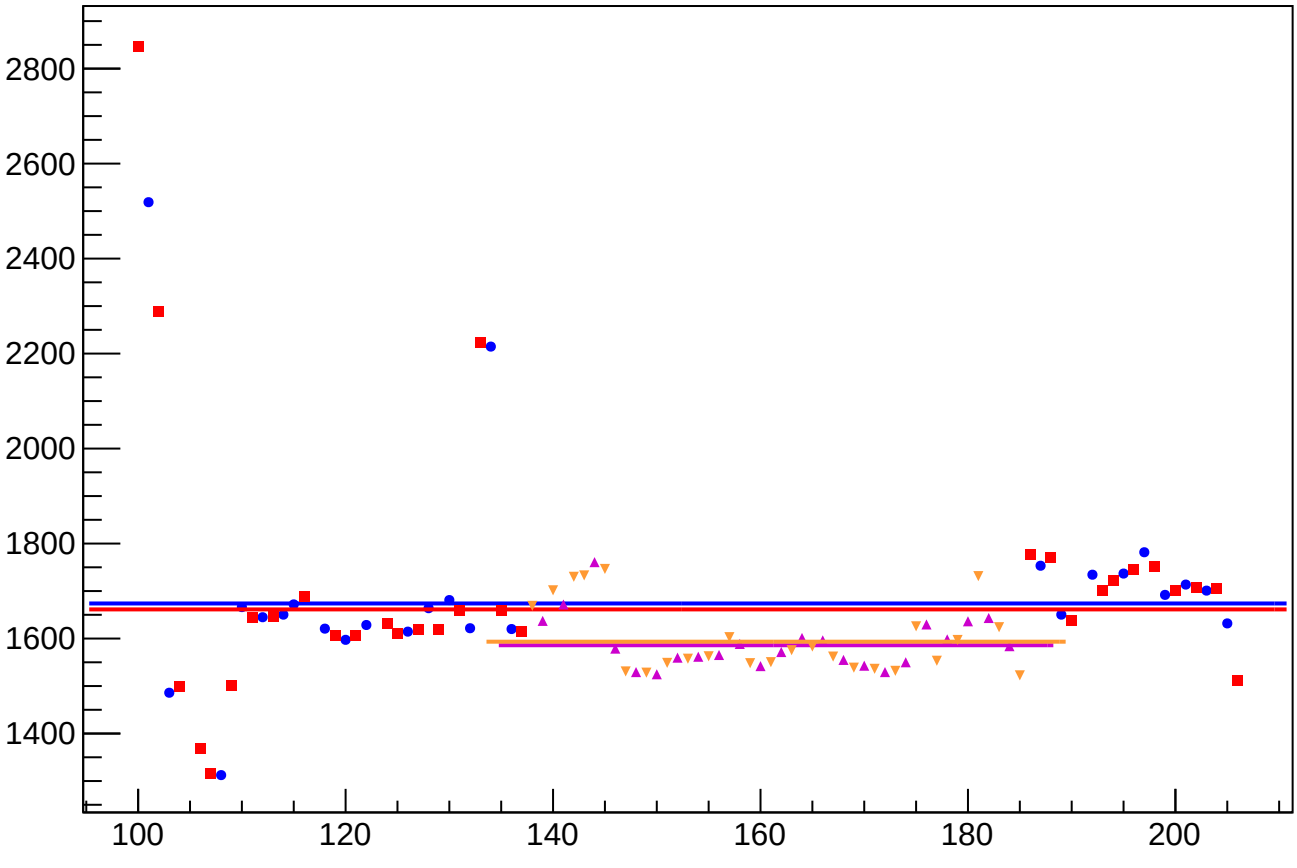
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2478.769+/-305.386 χ^2/NDF: 49.1/54

In: 2868.604+/-285.570 χ^2/NDF:35.5/47

Out: 1807.721+/-273.634 χ^2/NDF:49.3/54

All: 2315.529+/-197.573 χ^2/NDF: 91.9/102



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.6/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.6/29

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

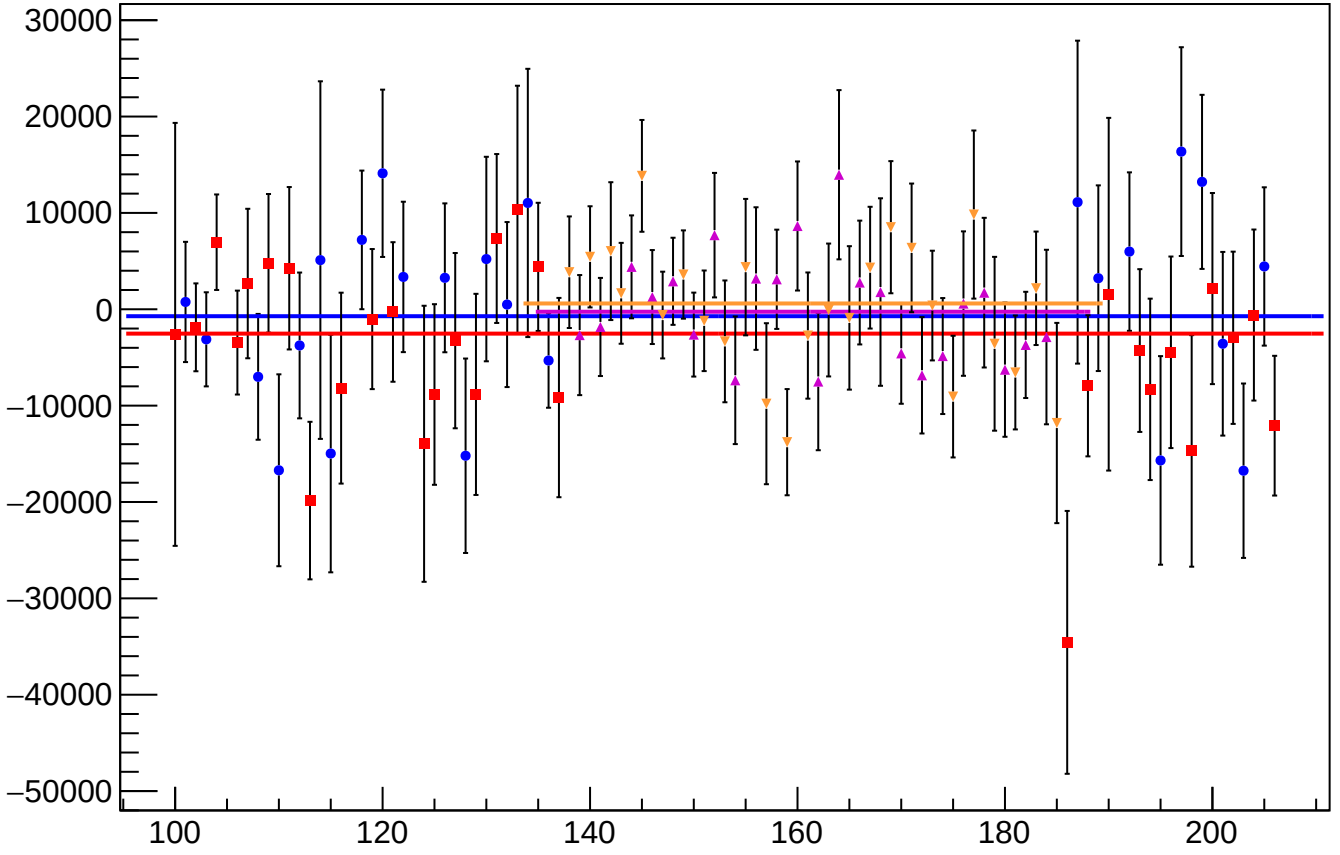
Right: 1667.159+/-0.216 χ^2/NDF: 584268.5/54

In: 1621.642+/-0.202 χ^2/NDF:381613.6/47

Out: 1622.619+/-0.193 χ^2/NDF:391609.5/54

All: 1622.151+/-0.140 χ^2/NDF: 773235.3/102

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -720.057+/-1645.085 χ^2/NDF: 25.8/24

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2527.124+/-1489.309 χ^2/NDF: 25.6/29

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

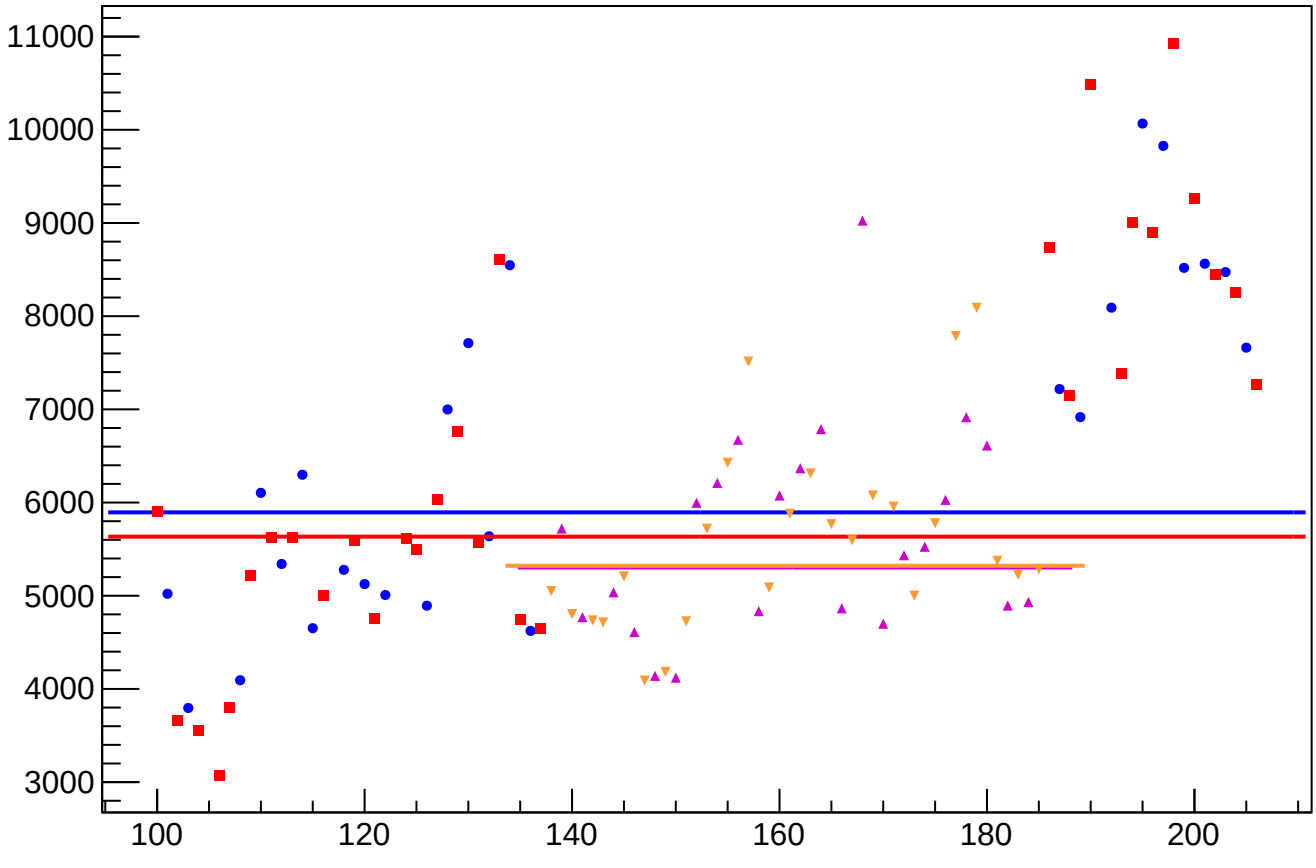
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1713.178+/-1104.076 χ^2/NDF: 52.1/54

In: -427.967+/-1001.610 χ^2/NDF:40.5/47

Out: -671.335+/-950.006 χ^2/NDF:54.3/54

All: -556.081+/-689.277 χ^2/NDF: 94.8/102



Right In: 5894.842+/-1.163 χ^2/NDF: 2294324.0/24

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5634.311+/-1.053 χ^2/NDF: 3539585.0/29

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

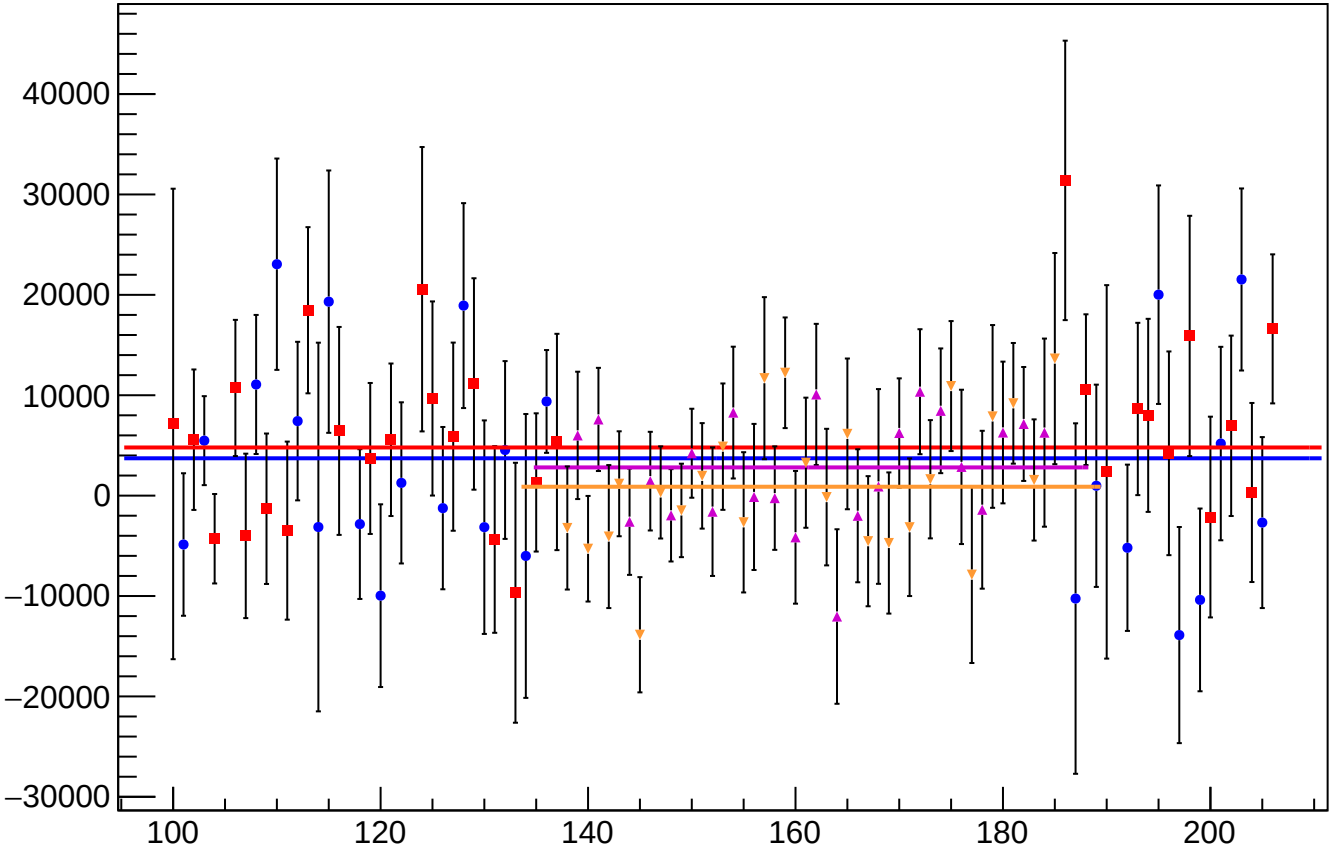
Right: 5751.661+/-0.781 χ^2/NDF: 5861476.8/54

In: 5522.306+/-0.708 χ^2/NDF:3609683.5/47

Out: 5449.057+/-0.672 χ^2/NDF:4628771.5/54

All: 5483.746+/-0.487 χ^2/NDF: 8244085.7/10

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3719.664+/-1680.038 χ^2/NDF: 29.4/24

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4796.588+/-1577.033 χ^2/NDF: 23.5/29

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

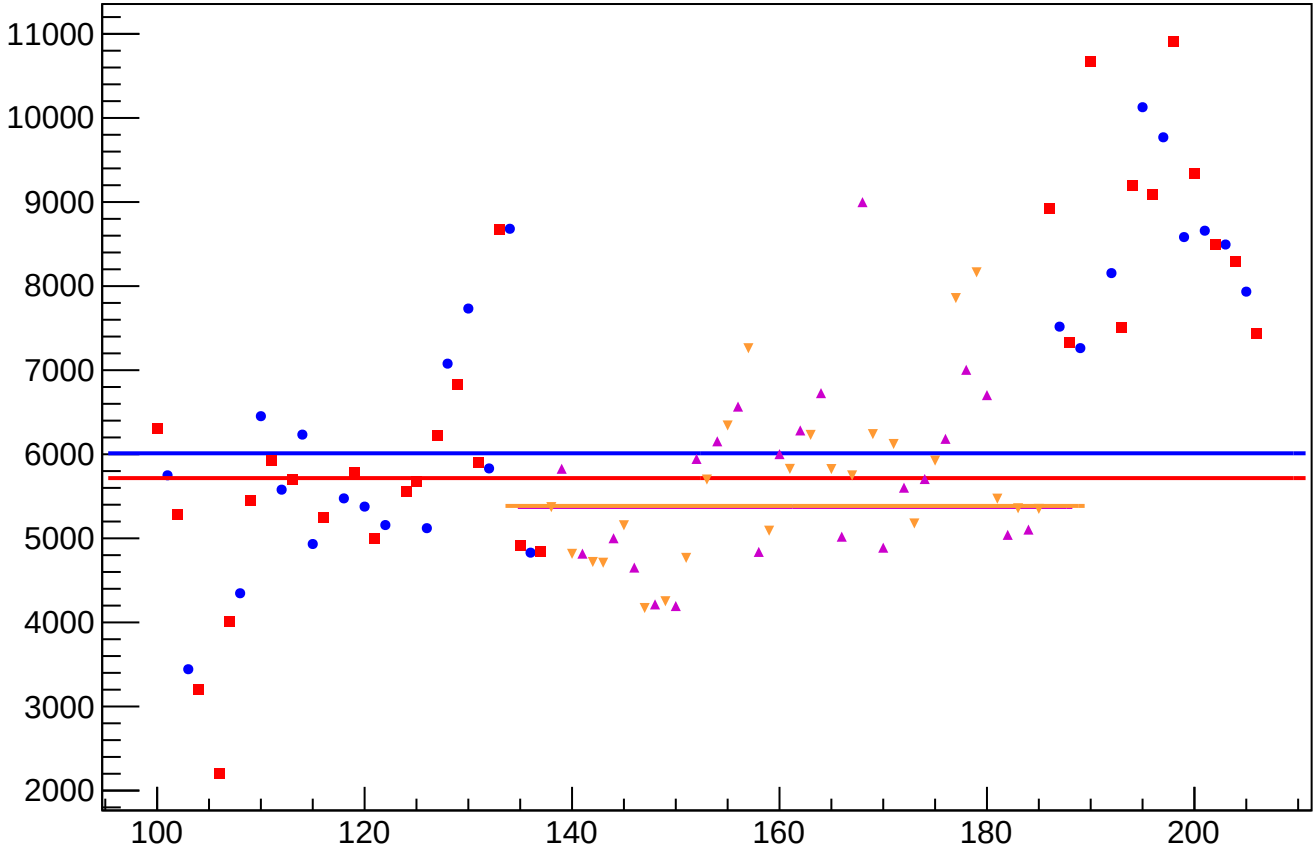
Right: 4292.149+/-1149.822 χ^2/NDF: 53.1/54

In: 3143.627+/-1016.763 χ^2/NDF:44.3/47

Out: 2389.376+/-977.912 χ^2/NDF:53.0/54

All: 2751.816+/-704.823 χ^2/NDF: 97.5/102

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6011.487+/-1.188 χ^2/NDF: 2405498.0/24

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5716.547+/-1.085 χ^2/NDF: 4052826.7/29

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

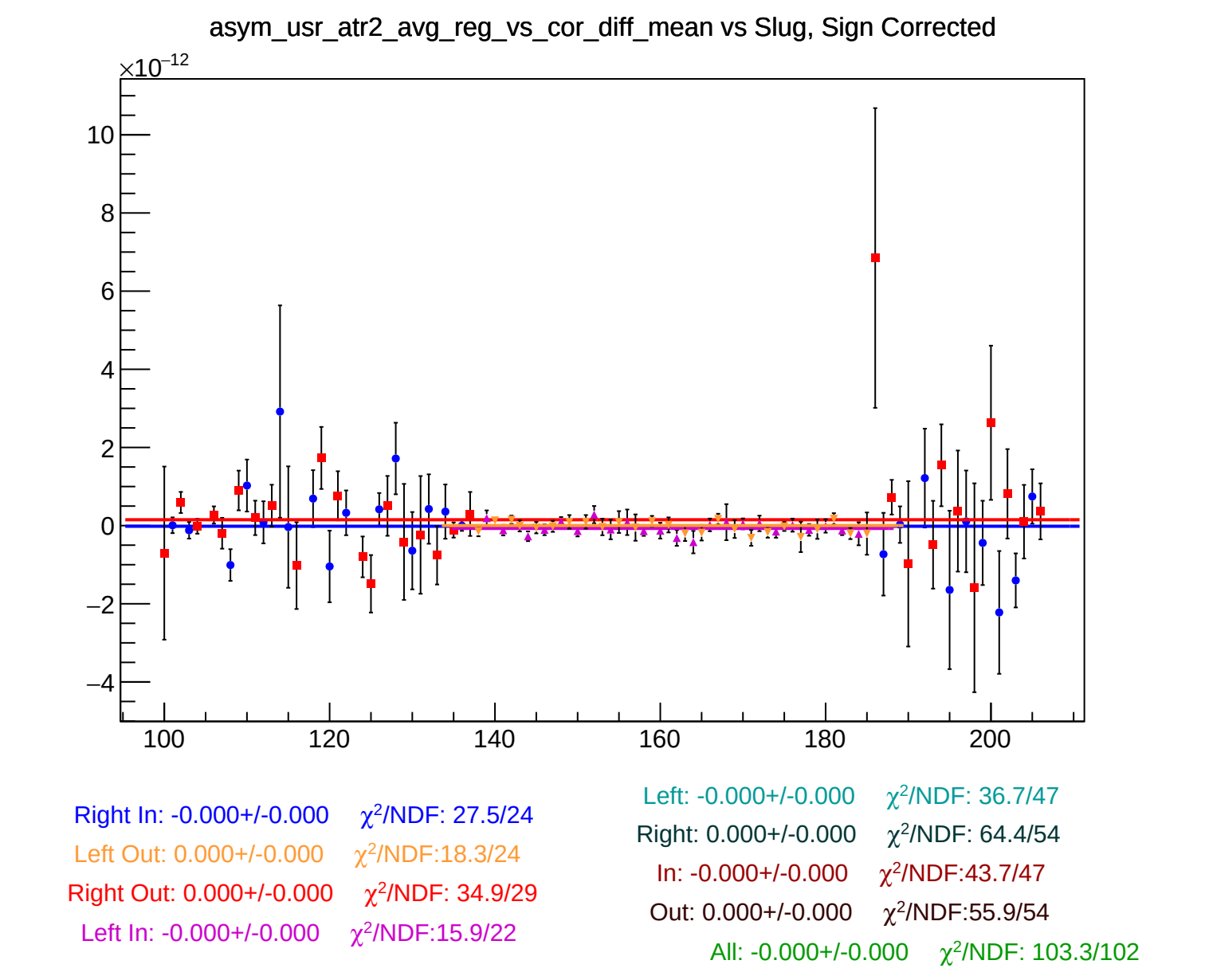
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

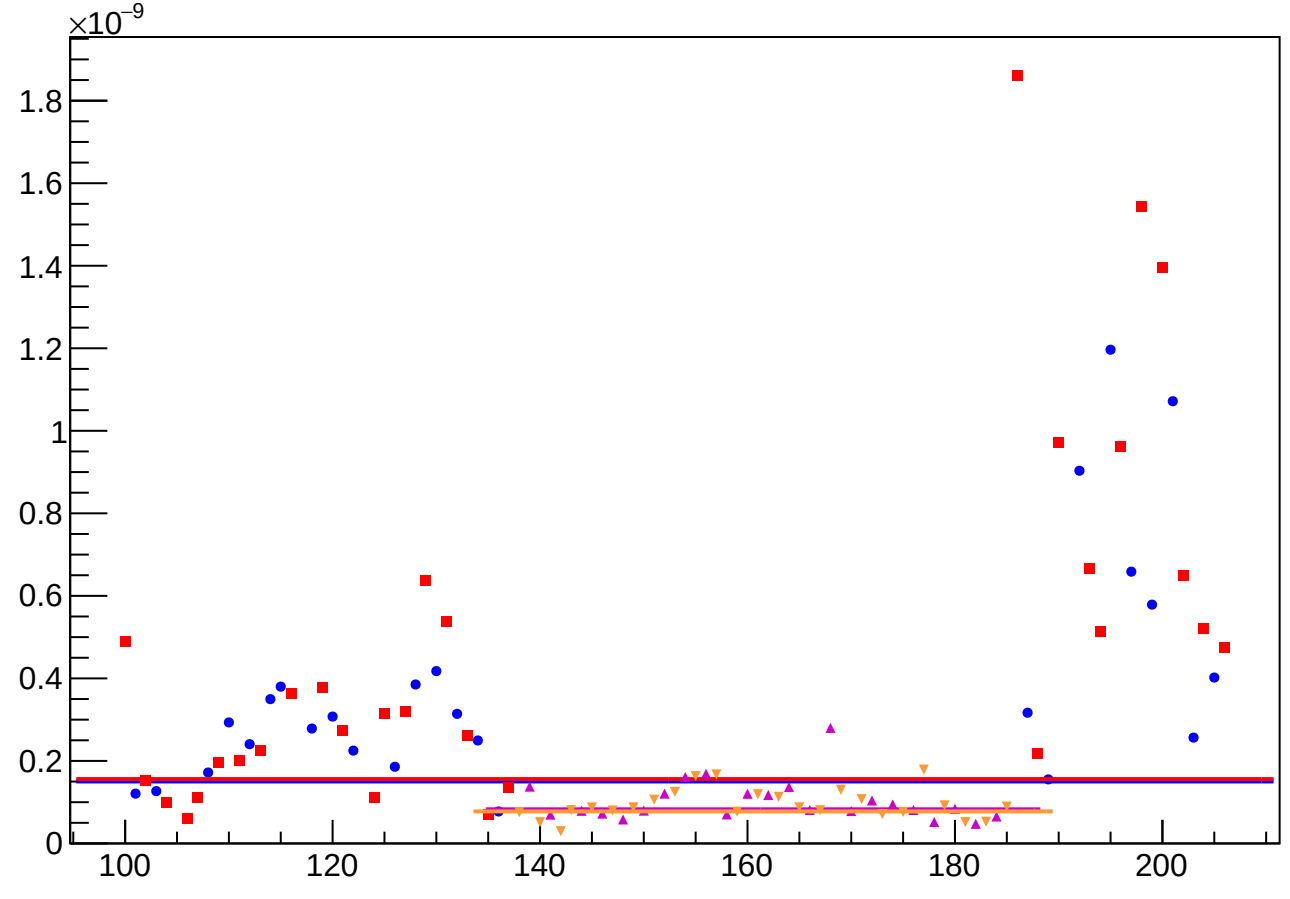
Right: 5850.635+/-0.801 χ^2/NDF: 6491941.2/54

In: 5606.774+/-0.719 χ^2/NDF:3660458.5/47

Out: 5517.256+/-0.684 χ^2/NDF:5095969.2/54

All: 5559.788+/-0.496 χ^2/NDF: 8764564.7/10


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/29
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 64.4/54
In: -0.000+/-0.000 χ²/NDF:43.7/47
Out: 0.000+/-0.000 χ²/NDF:55.9/54
All: -0.000+/-0.000 χ²/NDF: 103.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 4345409.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6257166.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

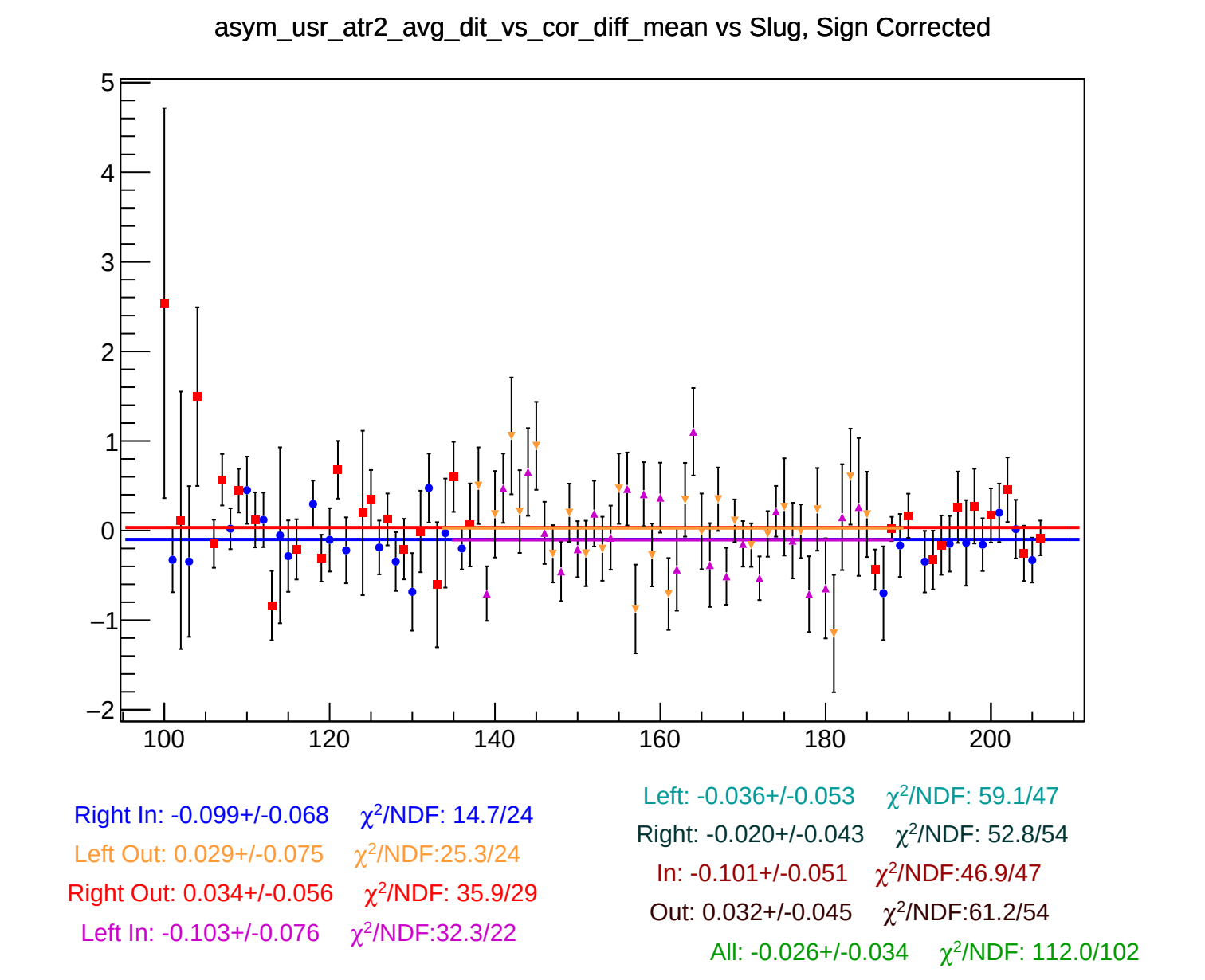
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

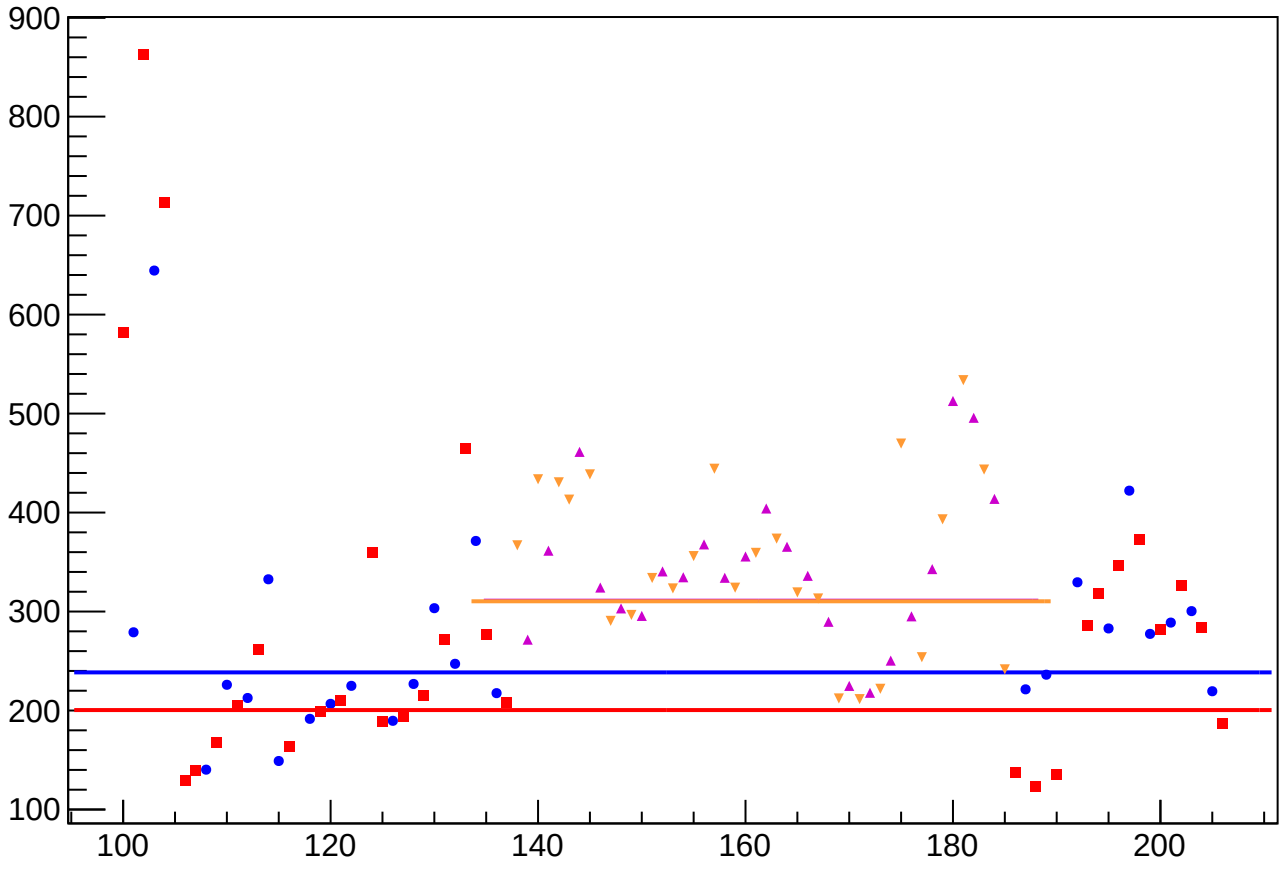
Right: 0.000+/-0.000 χ^2/NDF: 10607193.8/54

In: 0.000+/-0.000 χ^2/NDF:7034756.1/47

Out: 0.000+/-0.000 χ^2/NDF:9371257.2/54

All: 0.000+/-0.000 χ^2/NDF: 16437891.7/102


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.099+/-0.068 χ²/NDF: 14.7/24
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.034+/-0.056 χ²/NDF: 35.9/29
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.020+/-0.043 χ²/NDF: 52.8/54
In: -0.101+/-0.051 χ²/NDF:46.9/47
Out: 0.032+/-0.045 χ²/NDF:61.2/54
All: -0.026+/-0.034 χ²/NDF: 112.0/102



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

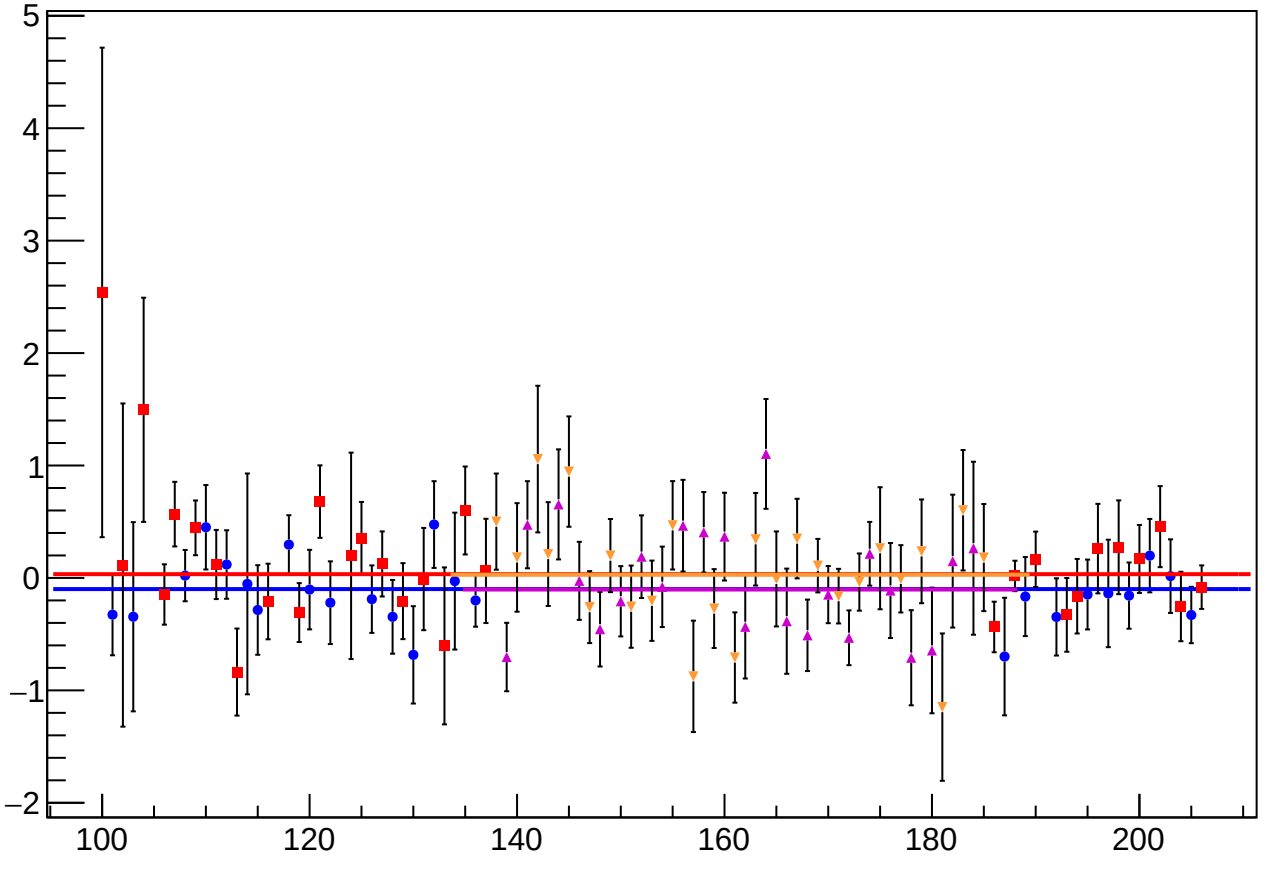
Right: 215.842+/-0.030 χ^2/NDF: 6651725.4/54

In: 270.466+/-0.036 χ^2/NDF:4547102.1/47

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 253.231+/-0.024 χ^2/NDF: 14440920.0/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

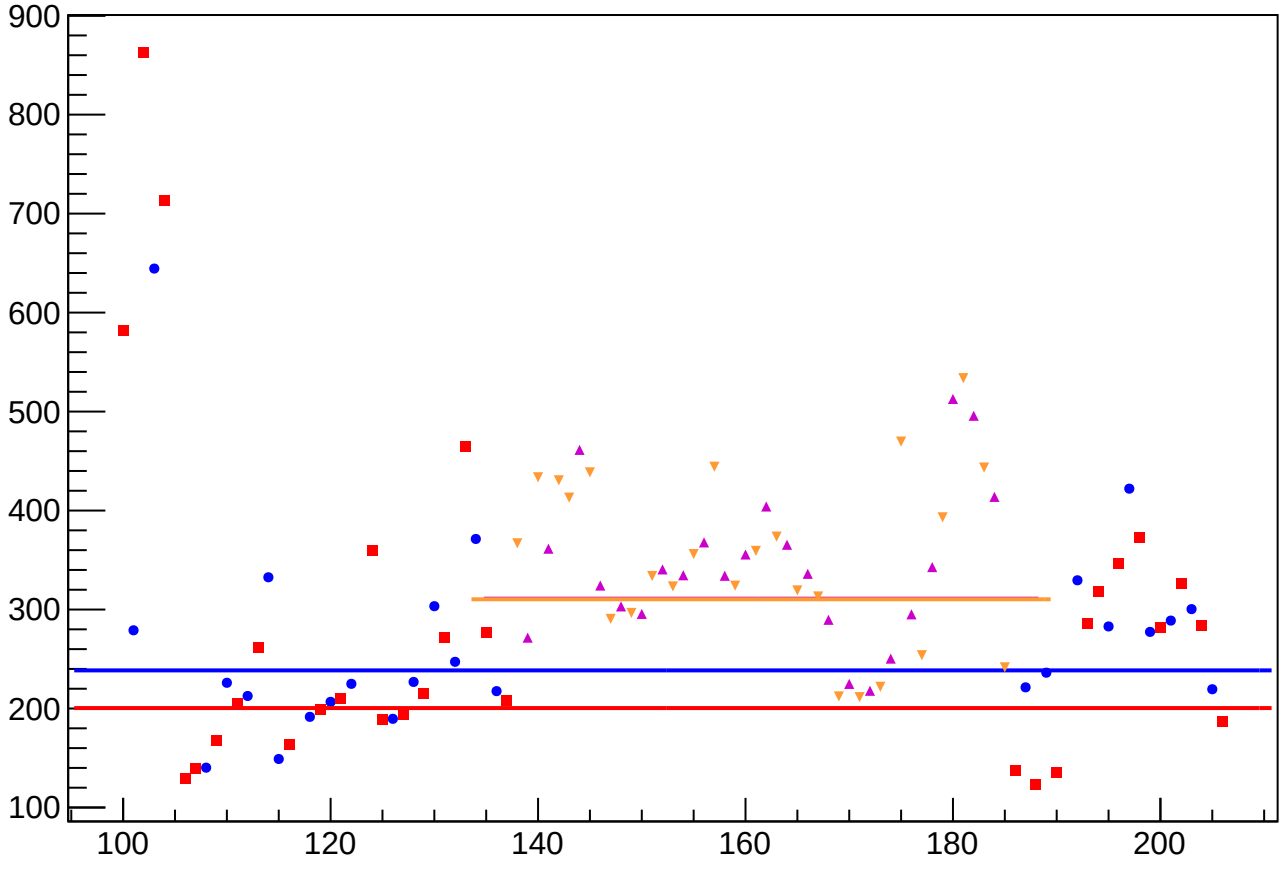
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.020+/-0.043 χ^2/NDF: 52.8/54

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.026+/-0.034 χ^2/NDF: 112.0/102



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

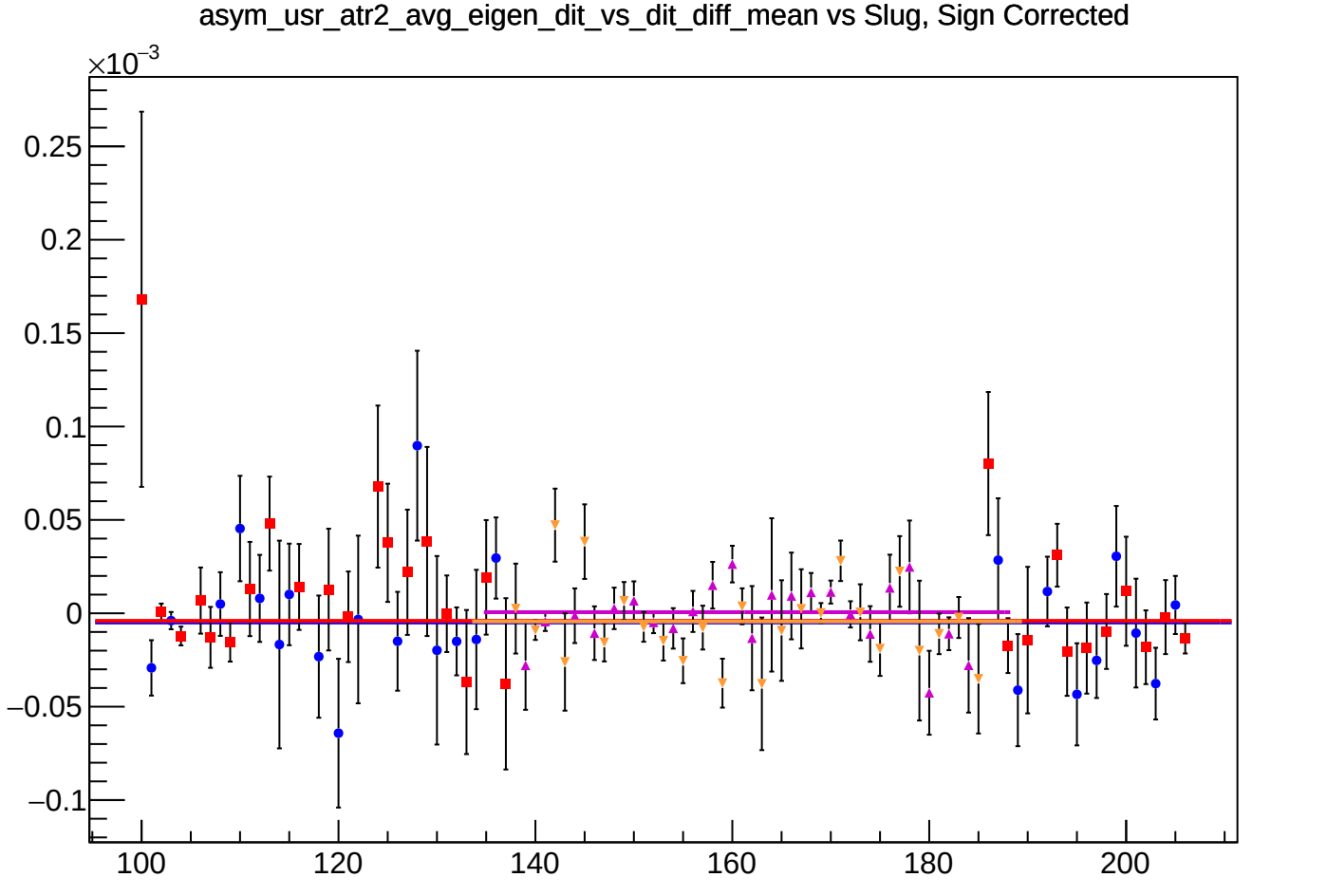
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

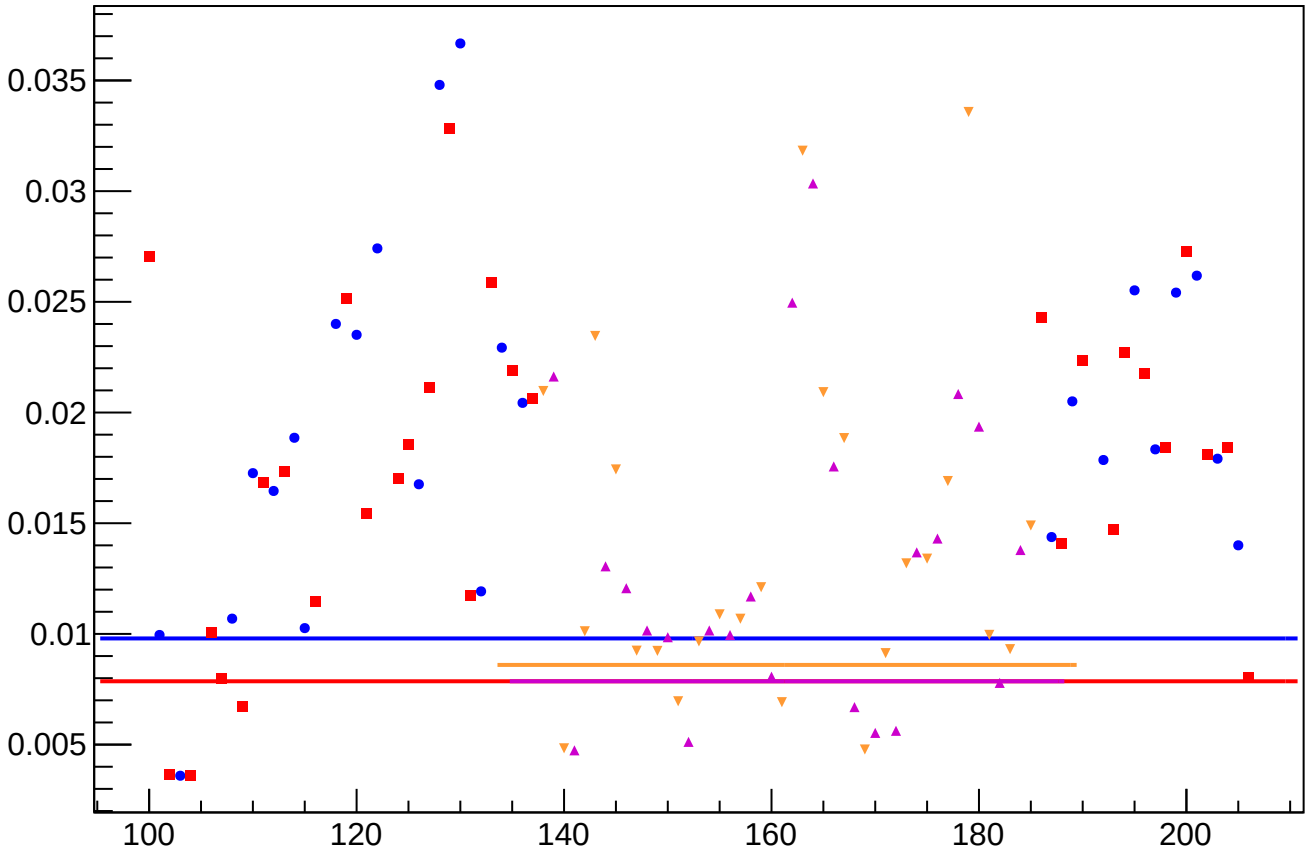
Right: 215.842+/-0.030 χ^2/NDF: 6651725.4/54

In: 270.466+/-0.036 χ^2/NDF:4547102.1/47

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 253.231+/-0.024 χ^2/NDF: 14440920.0/10


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.3/24
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.8/29
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 62.2/54
In: -0.000+/-0.000 χ²/NDF:55.8/47
Out: -0.000+/-0.000 χ²/NDF:77.1/54
All: -0.000+/-0.000 χ²/NDF: 134.6/102



Right In: 0.010+/-0.000 χ^2/NDF: 10323692.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12120157.5/29

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

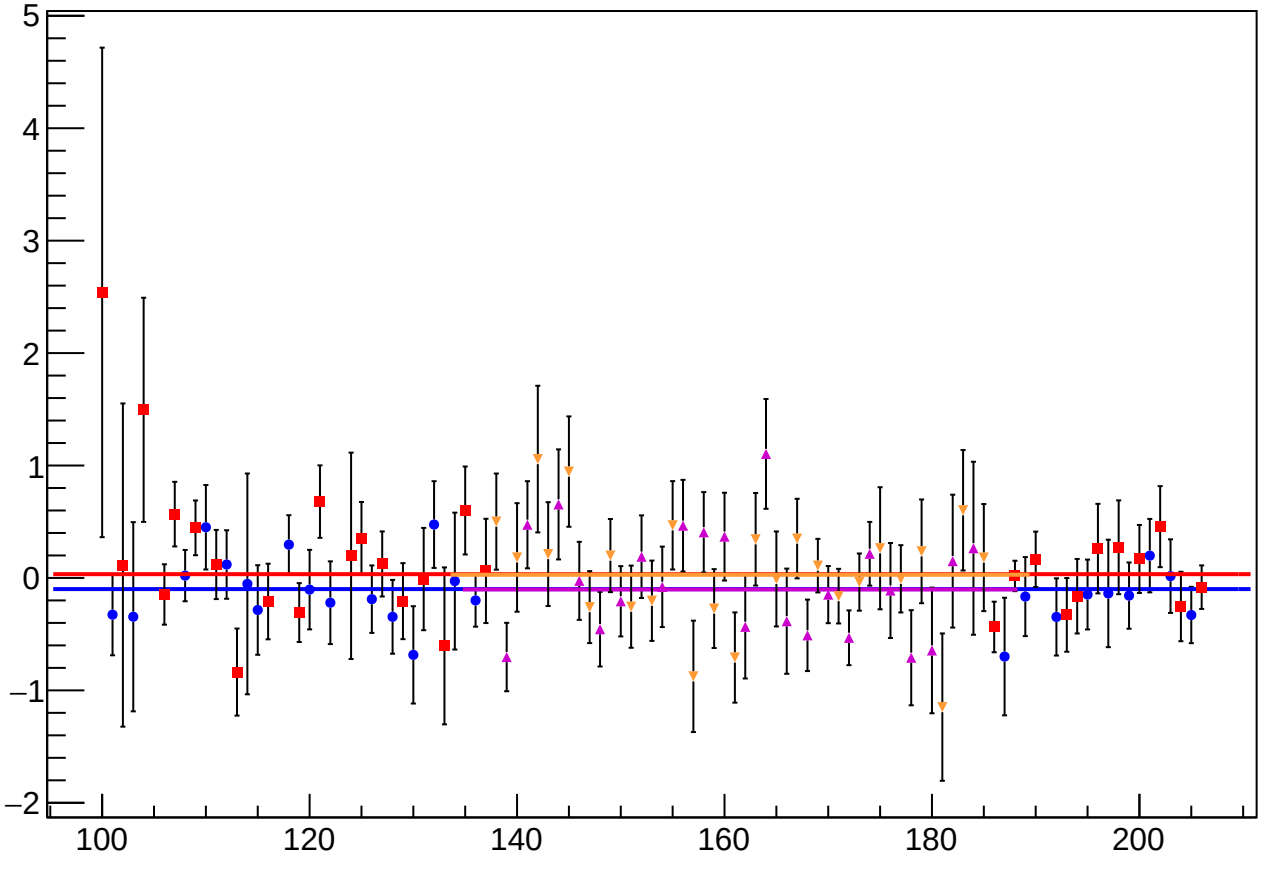
Right: 0.009+/-0.000 χ^2/NDF: 22863920.5/54

In: 0.008+/-0.000 χ^2/NDF:17571753.7/47

Out: 0.008+/-0.000 χ^2/NDF:19868755.3/54

All: 0.008+/-0.000 χ^2/NDF: 37447212.8/102

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

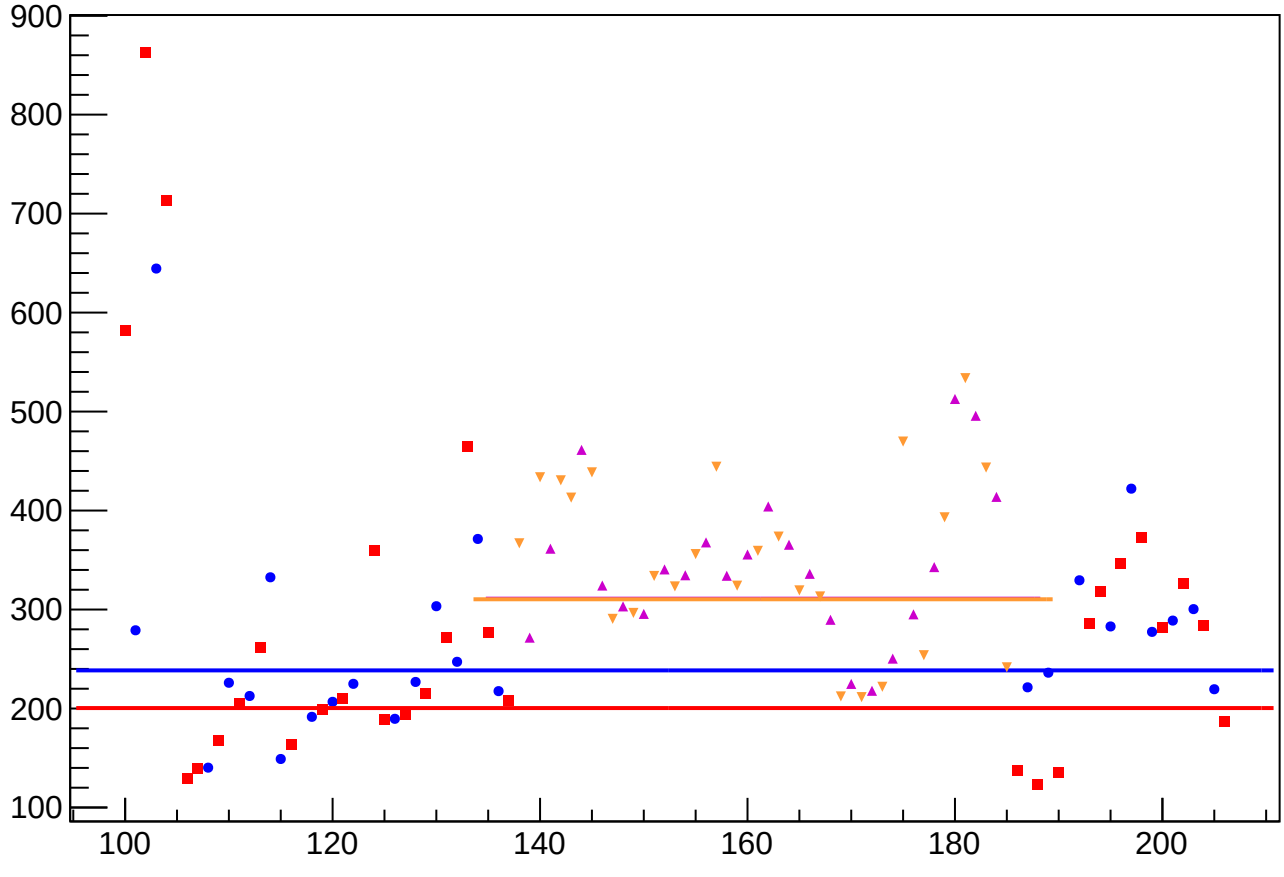
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.020+/-0.043 χ^2/NDF: 52.8/54

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.026+/-0.034 χ^2/NDF: 112.0/102



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

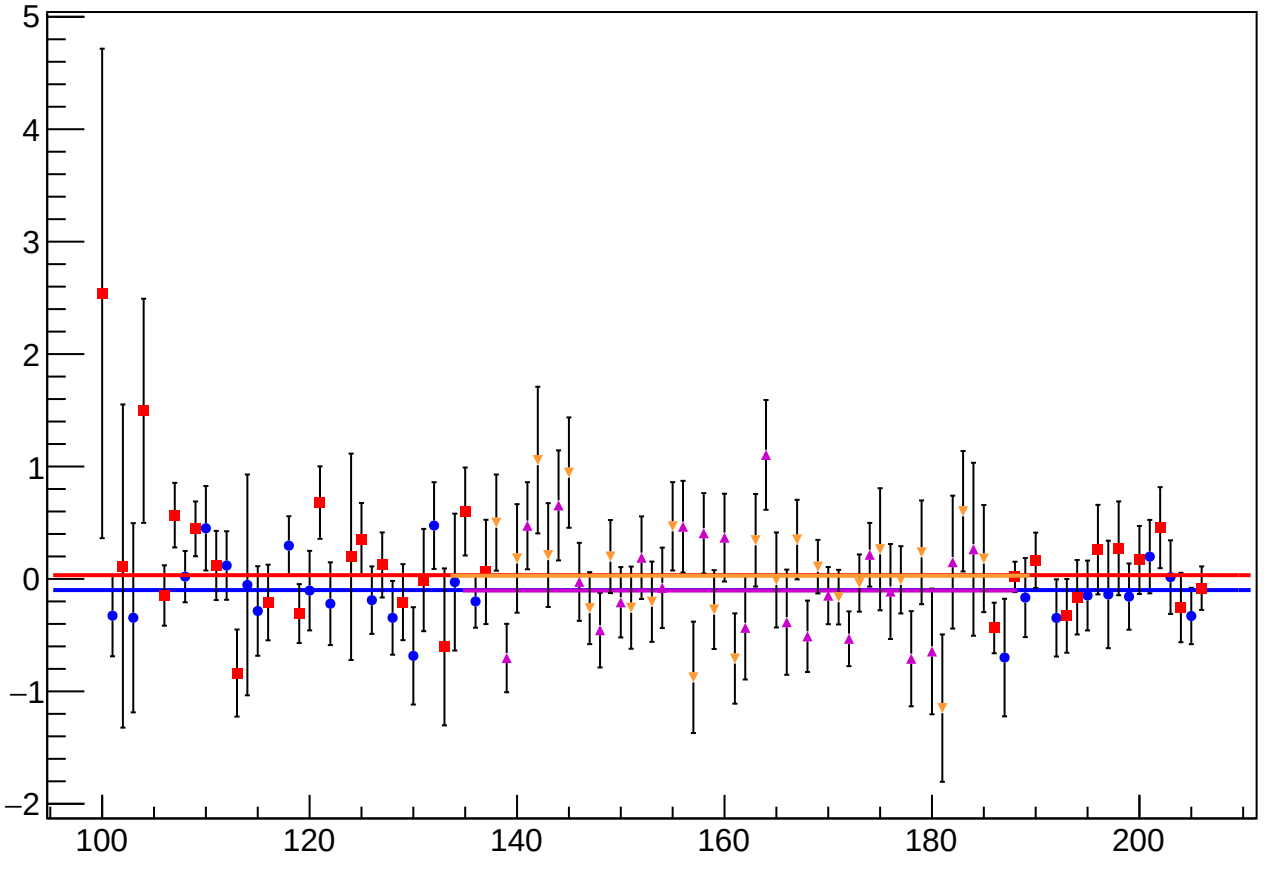
Right: 215.840+/-0.030 χ^2/NDF: 6651924.9/54

In: 270.467+/-0.036 χ^2/NDF:4547234.9/47

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 253.231+/-0.024 χ^2/NDF: 14441589.5/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

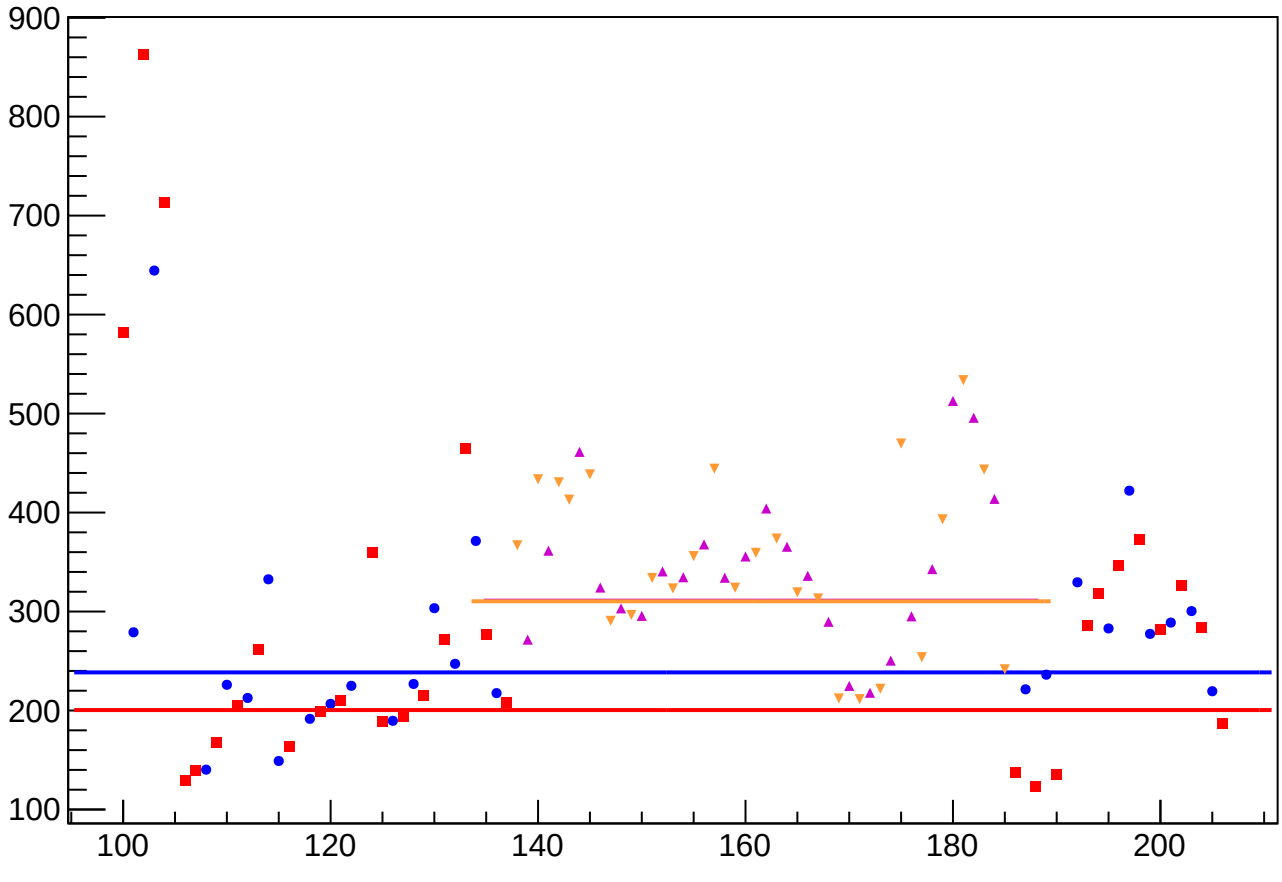
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.020+/-0.043 χ^2/NDF: 52.8/54

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.026+/-0.034 χ^2/NDF: 112.0/102



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

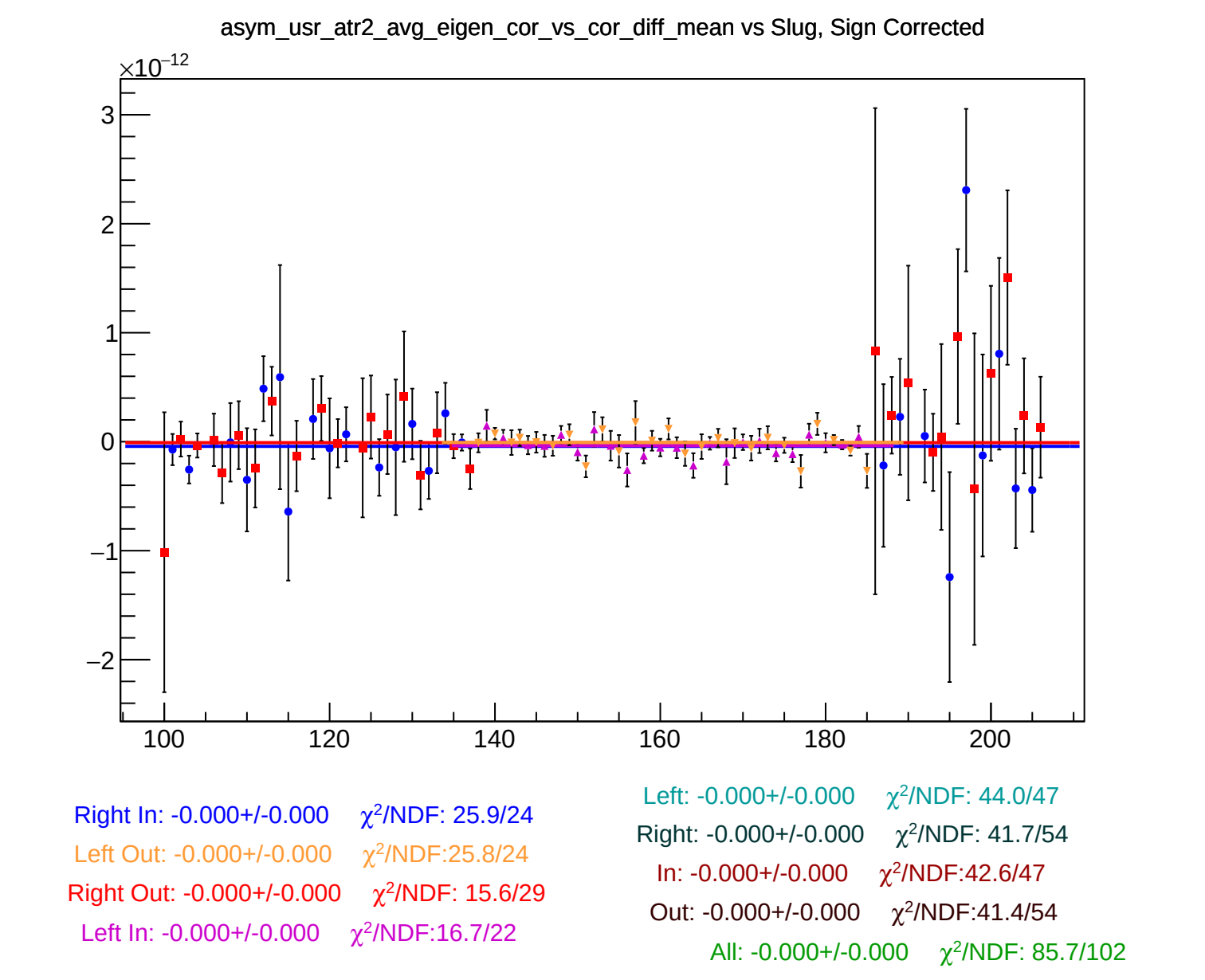
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

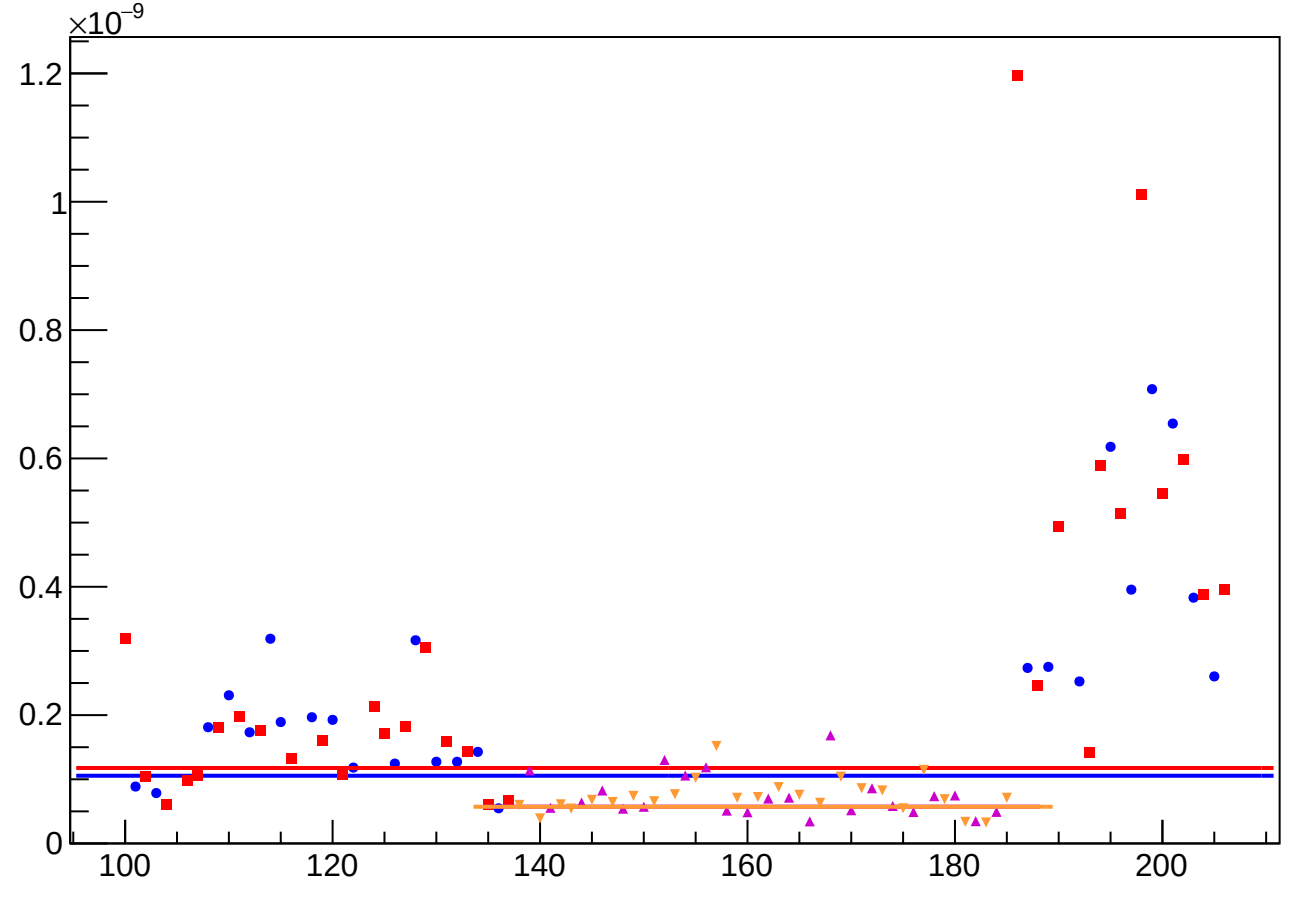
Right: 215.840+/-0.030 χ^2/NDF: 6651924.9/54

In: 270.467+/-0.036 χ^2/NDF:4547234.9/47

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 253.231+/-0.024 χ^2/NDF: 14441589.5/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.9/24
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/29
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 41.7/54
In: -0.000+/-0.000 χ²/NDF:42.6/47
Out: -0.000+/-0.000 χ²/NDF:41.4/54
All: -0.000+/-0.000 χ²/NDF: 85.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 5874075.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7387498.4/29

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

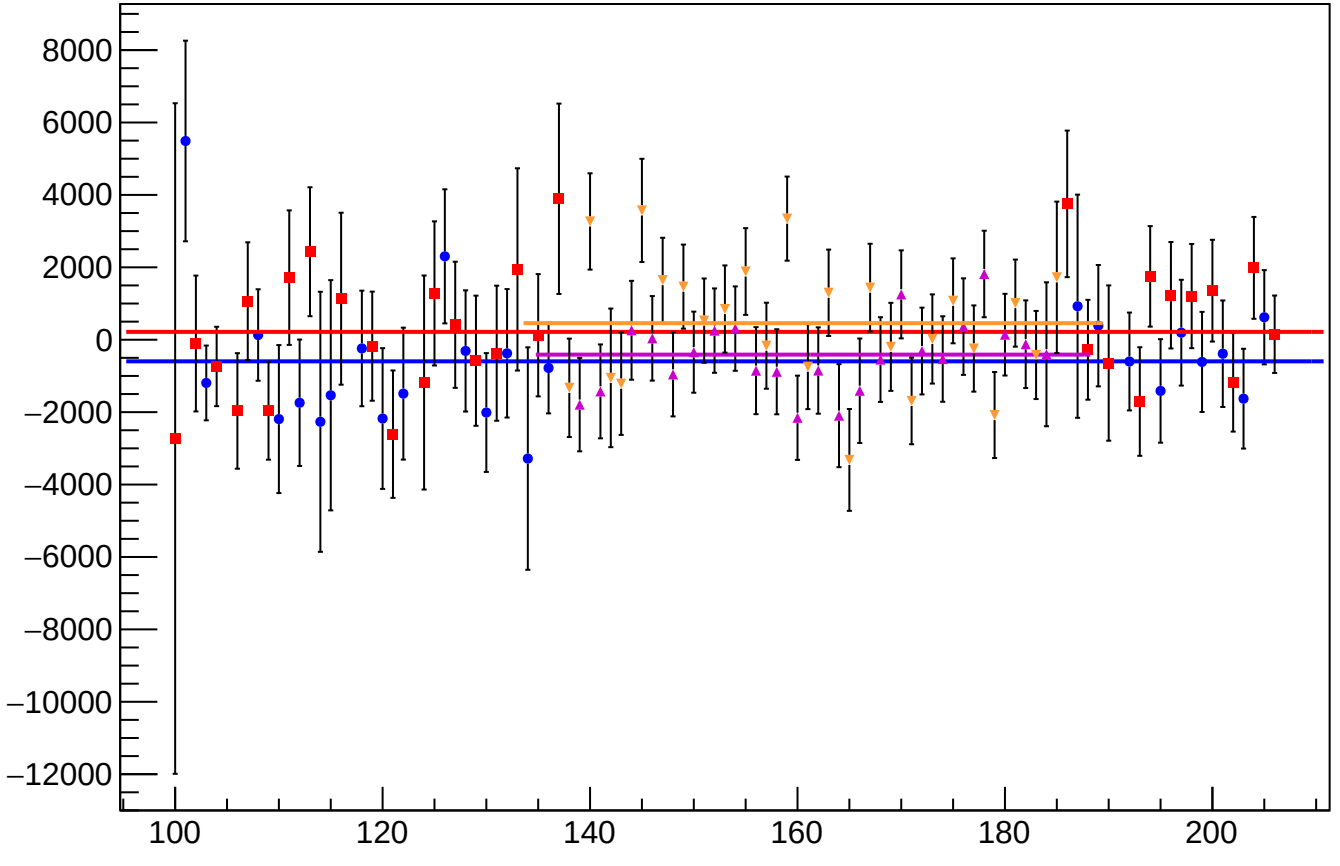
Right: 0.000+/-0.000 χ^2/NDF: 13322150.4/54

In: 0.000+/-0.000 χ^2/NDF:10925027.9/47

Out: 0.000+/-0.000 χ^2/NDF:13346269.5/54

All: 0.000+/-0.000 χ^2/NDF: 24272636.3/102

reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -596.750+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 217.256+/-298.423 χ^2/NDF: 24.2/29

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

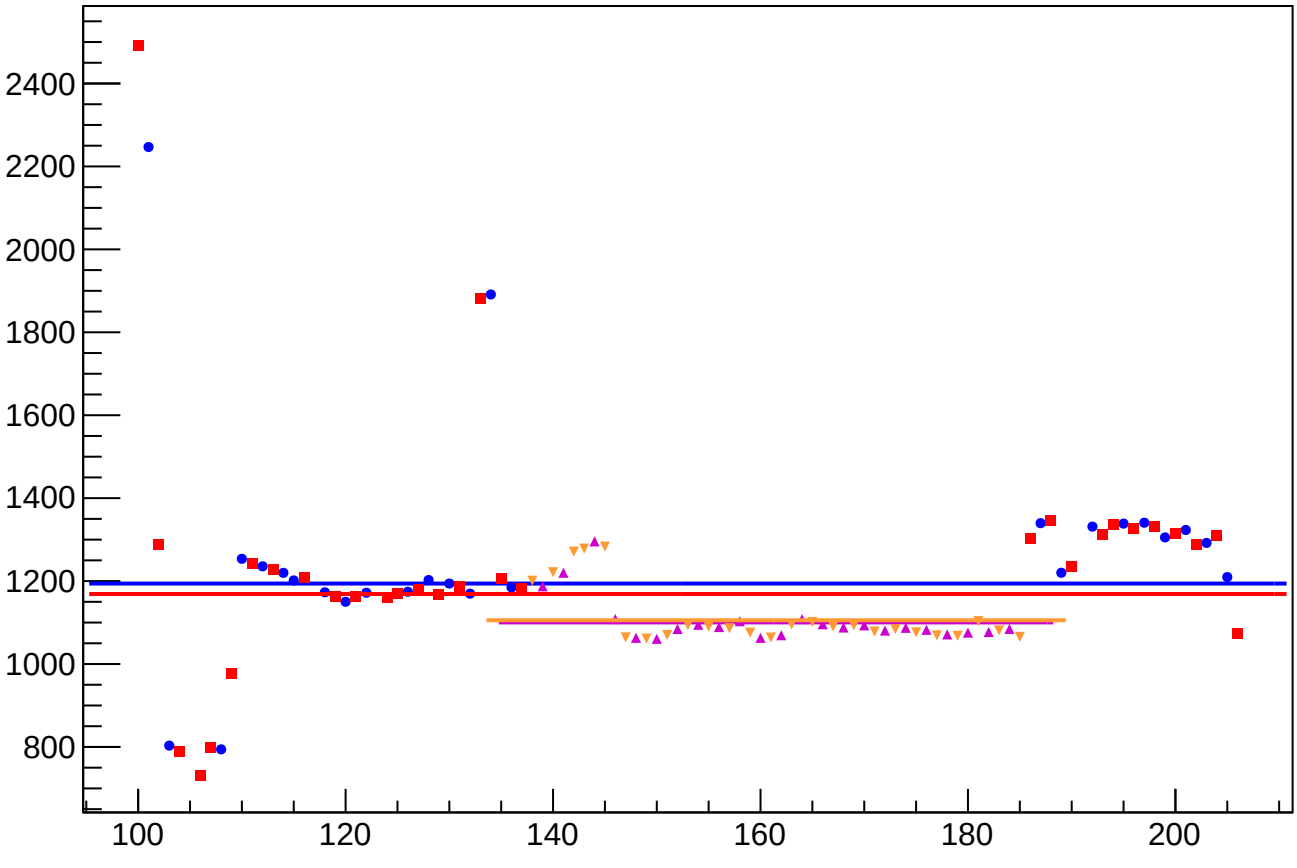
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -156.753+/-219.403 χ^2/NDF: 42.1/54

In: -483.052+/-201.368 χ^2/NDF:28.3/47

Out: 358.461+/-192.330 χ^2/NDF:66.7/54

All: -42.987+/-139.083 χ^2/NDF: 104.1/102



Right In: 1194.059+/-0.229 χ^2/NDF: 988737.4/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1168.876+/-0.210 χ^2/NDF: 969602.7/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

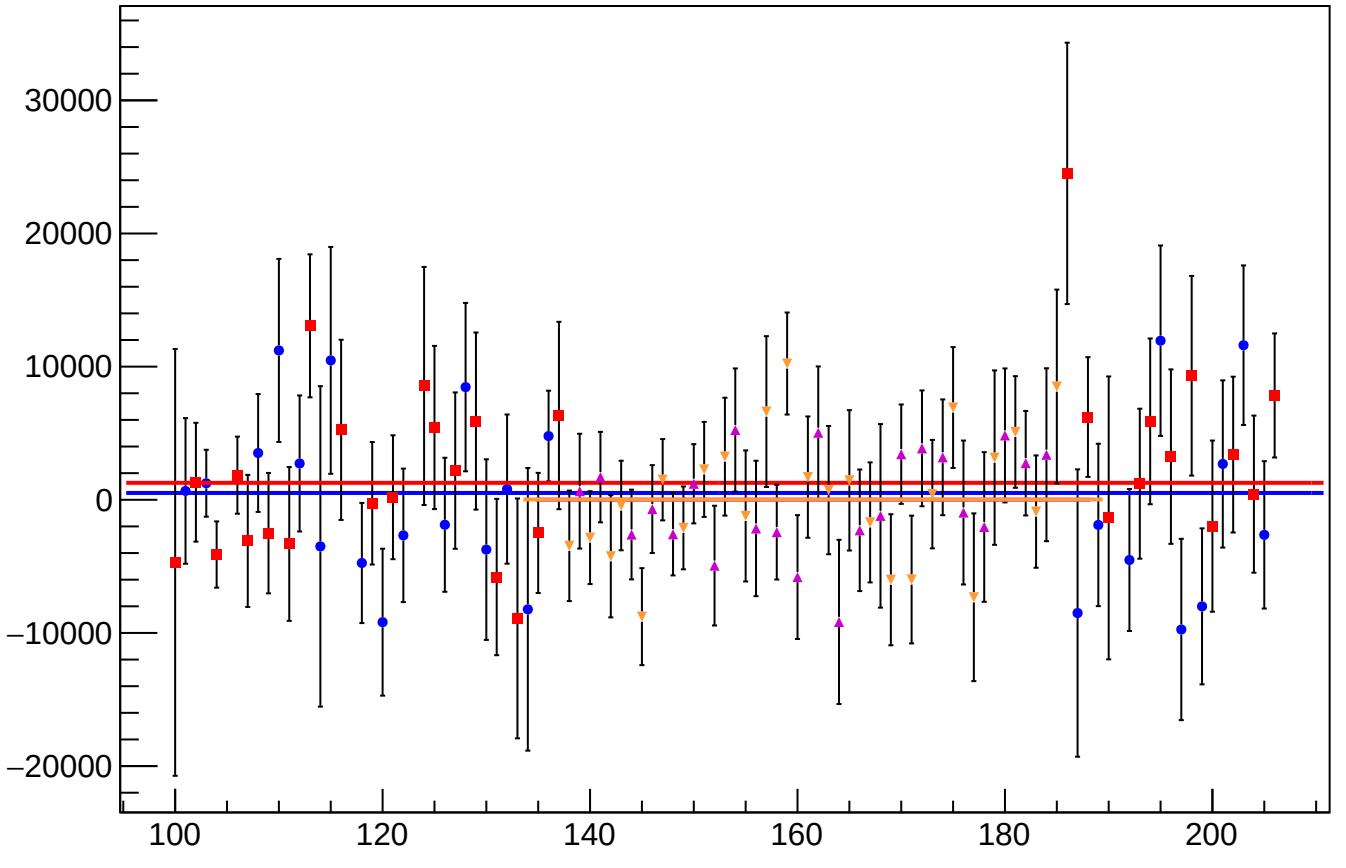
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1180.392+/-0.155 χ^2/NDF: 1964910.6/54

In: 1136.619+/-0.142 χ^2/NDF:1171732.2/47

Out: 1131.988+/-0.136 χ^2/NDF:1144476.9/54

All: 1134.193+/-0.098 χ^2/NDF: 2316763.2/10



Right In: 513.057+/-1063.096 χ^2/NDF: 26.5/24

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1273.962+/-952.916 χ^2/NDF: 28.9/29

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

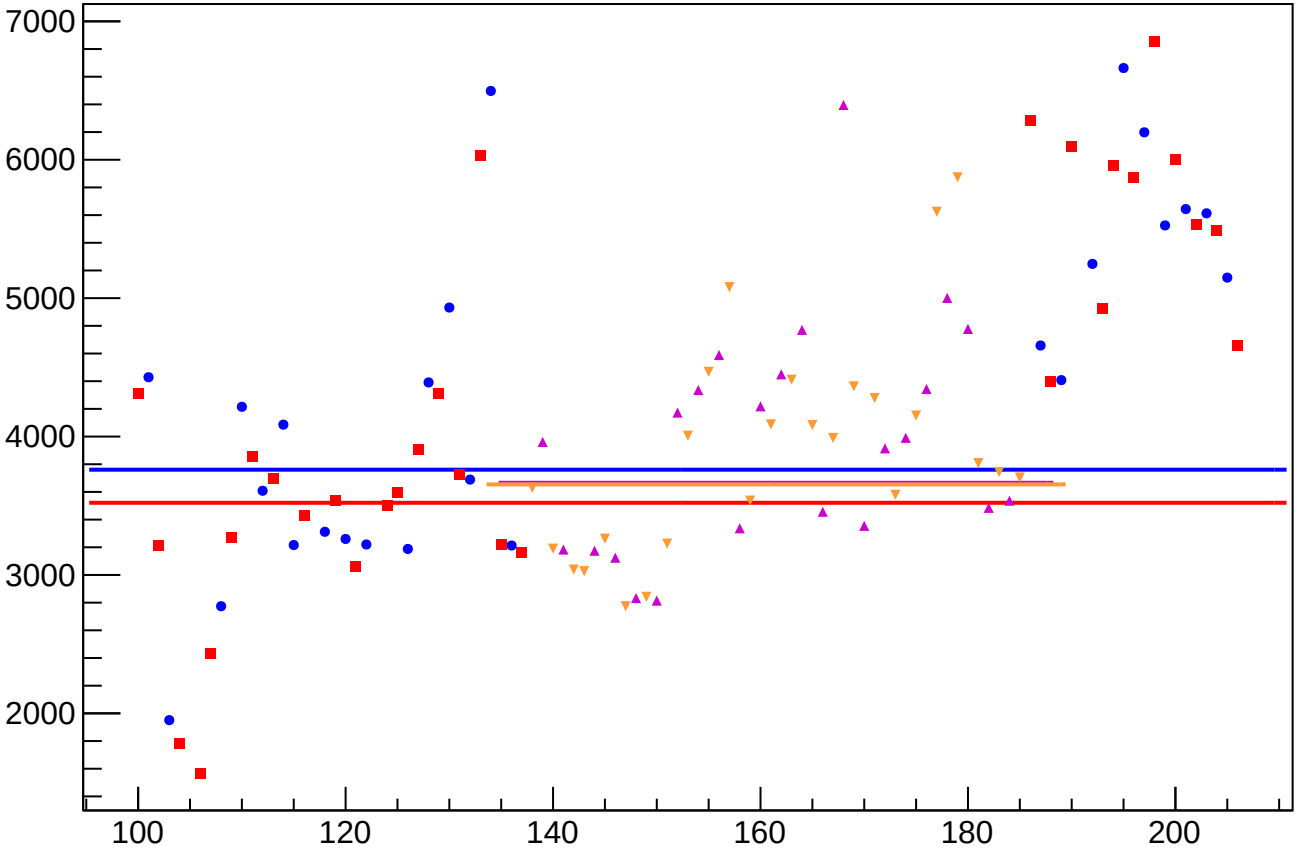
Right: 934.971+/-709.580 χ^2/NDF: 55.7/54

In: 211.037+/-675.710 χ^2/NDF:40.7/47

Out: 577.802+/-634.485 χ^2/NDF:58.4/54

All: 405.948+/-462.536 χ^2/NDF: 99.2/102

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3760.653+/-0.752 χ^2/NDF: 2993013.1/24

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3521.589+/-0.674 χ^2/NDF: 4555682.8/29

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

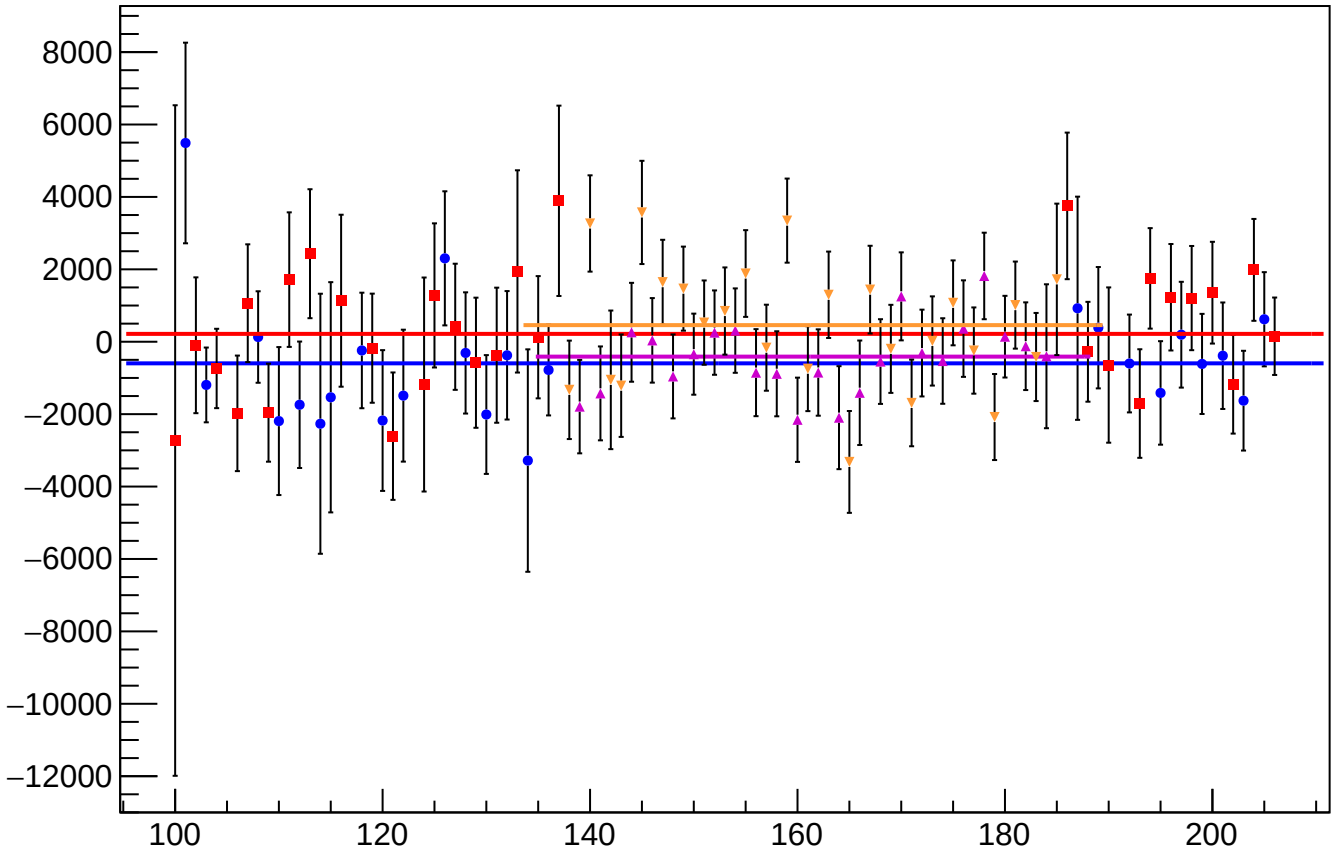
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3628.094+/-0.502 χ^2/NDF: 7604775.7/54

In: 3704.309+/-0.478 χ^2/NDF:4346148.2/47

Out: 3595.407+/-0.449 χ^2/NDF:5889004.9/54

All: 3646.435+/-0.327 χ^2/NDF: 10262760.9/1



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 217.098+/-298.425 χ^2/NDF: 24.2/29

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

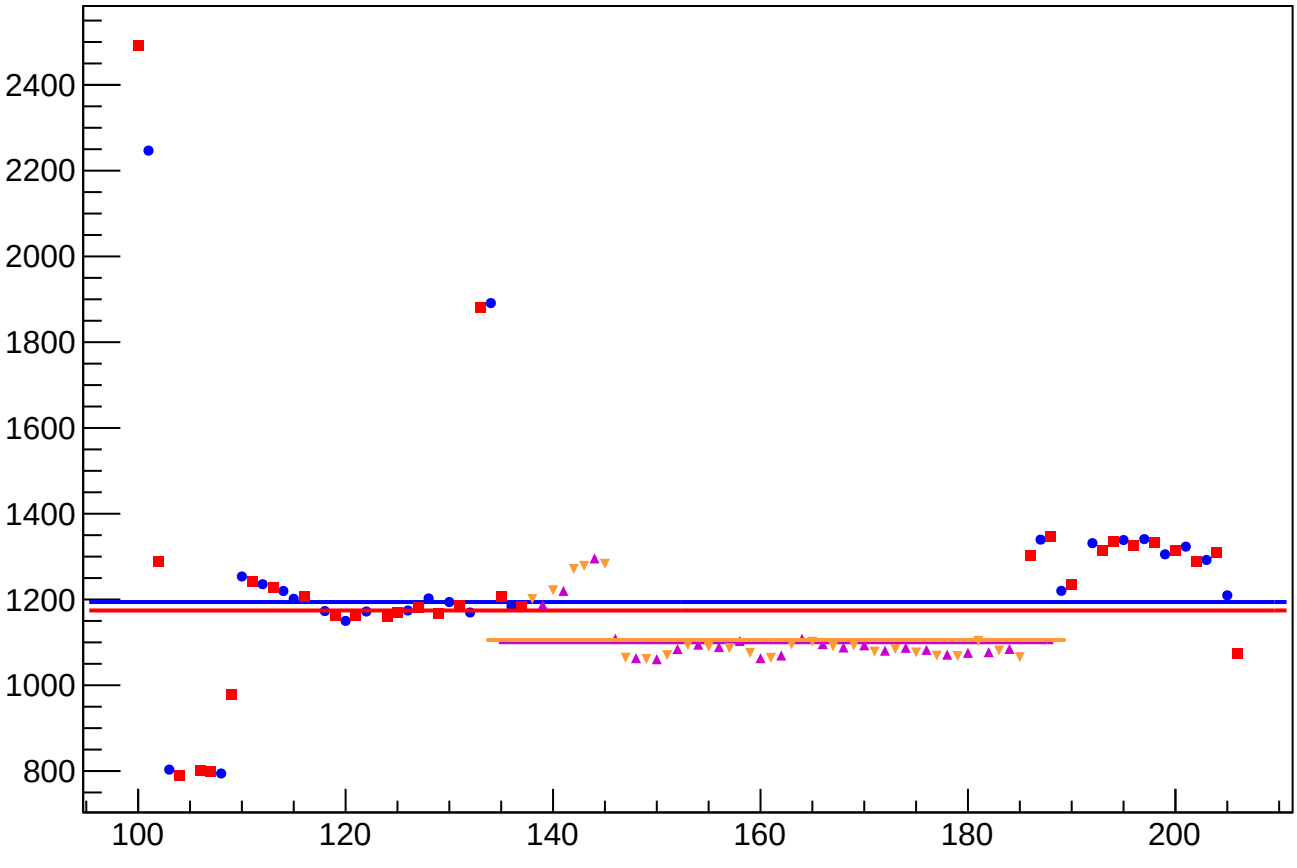
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -156.848+/-219.404 χ^2/NDF: 42.1/54

In: -482.999+/-201.368 χ^2/NDF:28.3/47

Out: 358.432+/-192.330 χ^2/NDF:66.7/54

All: -42.977+/-139.083 χ^2/NDF: 104.1/102



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

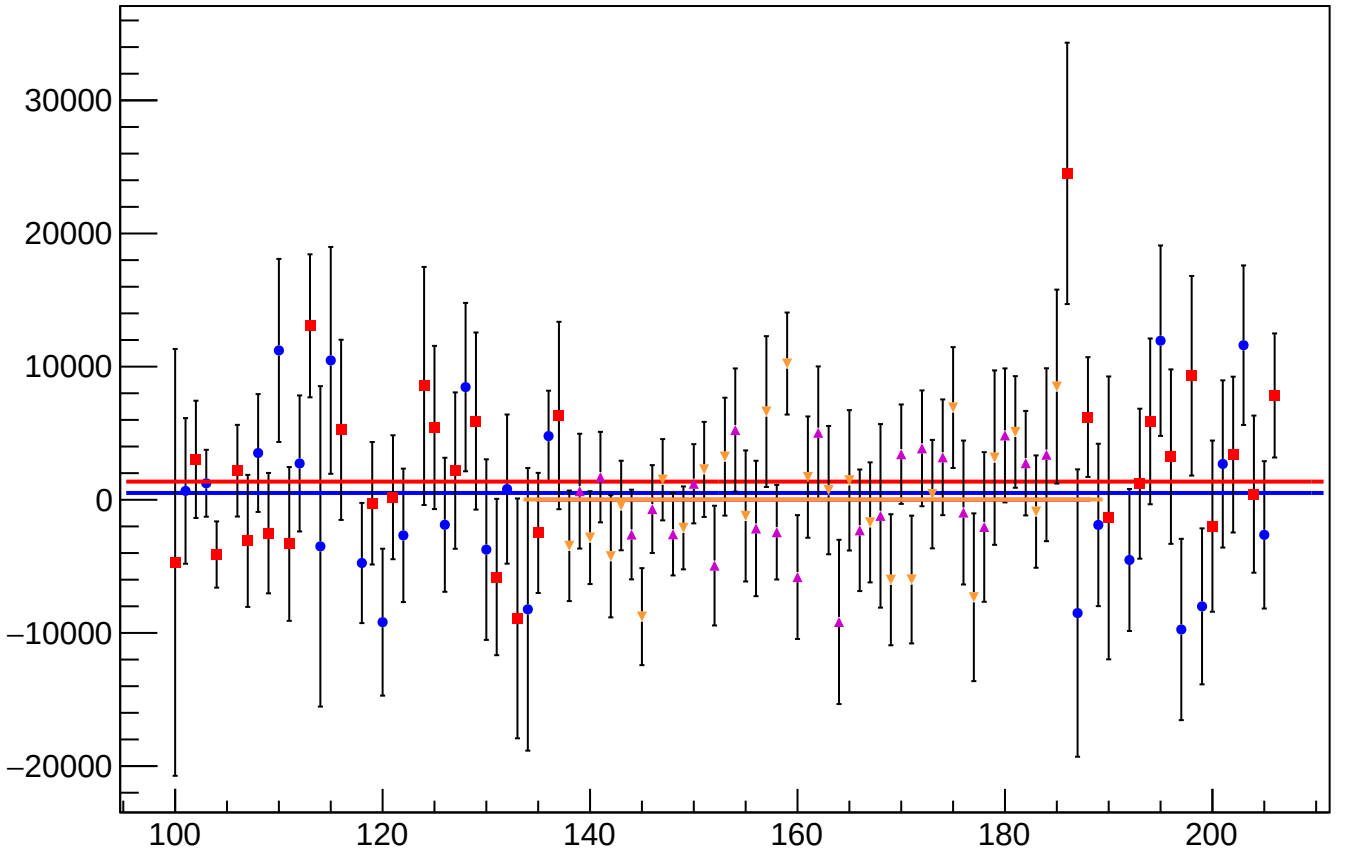
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1183.426+/-0.155 χ^2/NDF: 1885959.7/54

In: 1136.619+/-0.142 χ^2/NDF:1171728.5/47

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1135.345+/-0.098 χ^2/NDF: 2249392.5/10



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1364.796+/-967.809 χ^2/NDF: 29.1/29

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

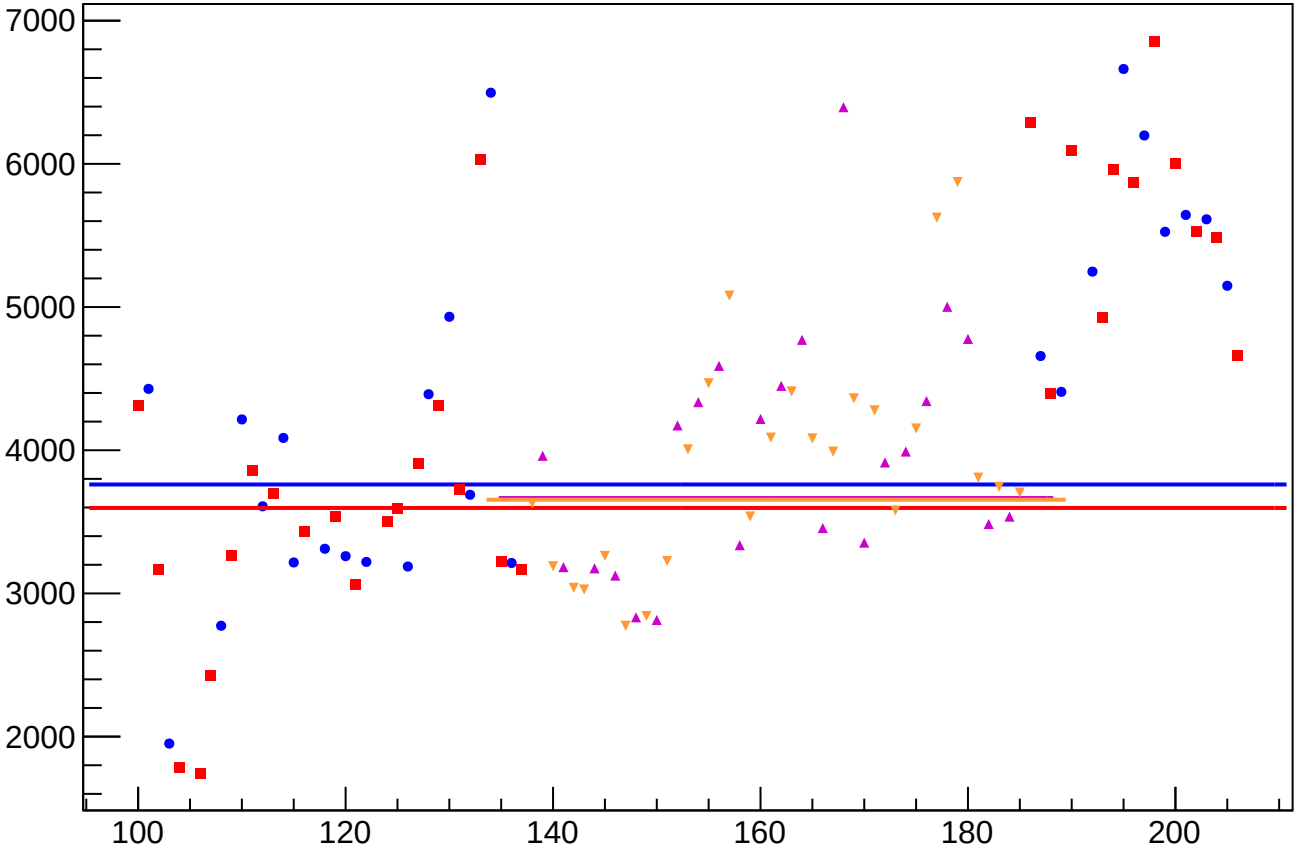
Right: 978.617+/-715.675 χ^2/NDF: 56.0/54

In: 210.885+/-675.718 χ^2/NDF:40.7/47

Out: 607.821+/-638.824 χ^2/NDF:58.7/54

All: 420.485+/-464.212 χ^2/NDF: 99.5/102

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

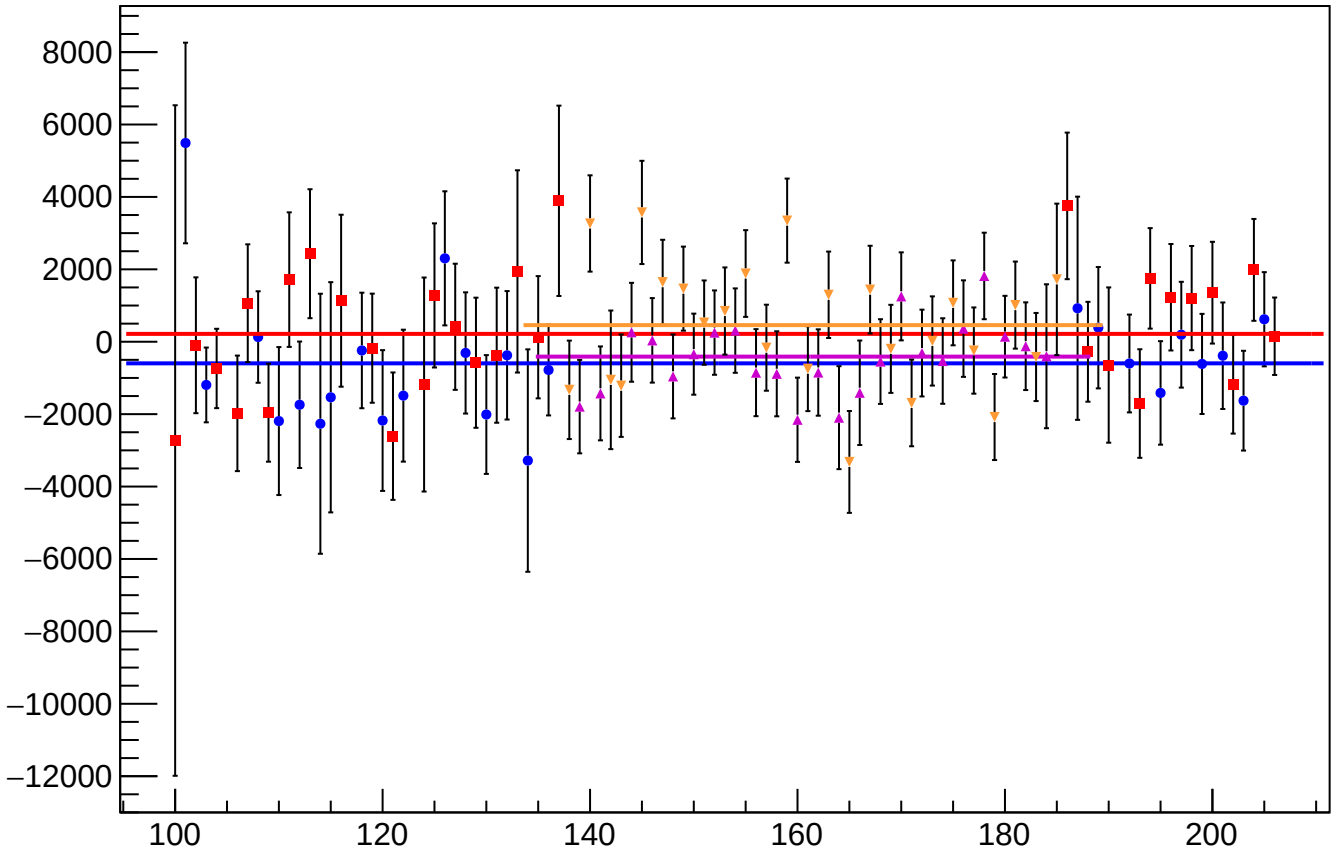
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3671.143+/-0.506 χ^2/NDF: 7186086.6/54

In: 3704.375+/-0.478 χ^2/NDF:4345423.7/47

Out: 3629.198+/-0.452 χ^2/NDF:5483544.6/54

All: 3664.678+/-0.328 χ^2/NDF: 9842040.1/10



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 217.098+/-298.425 χ^2/NDF: 24.2/29

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

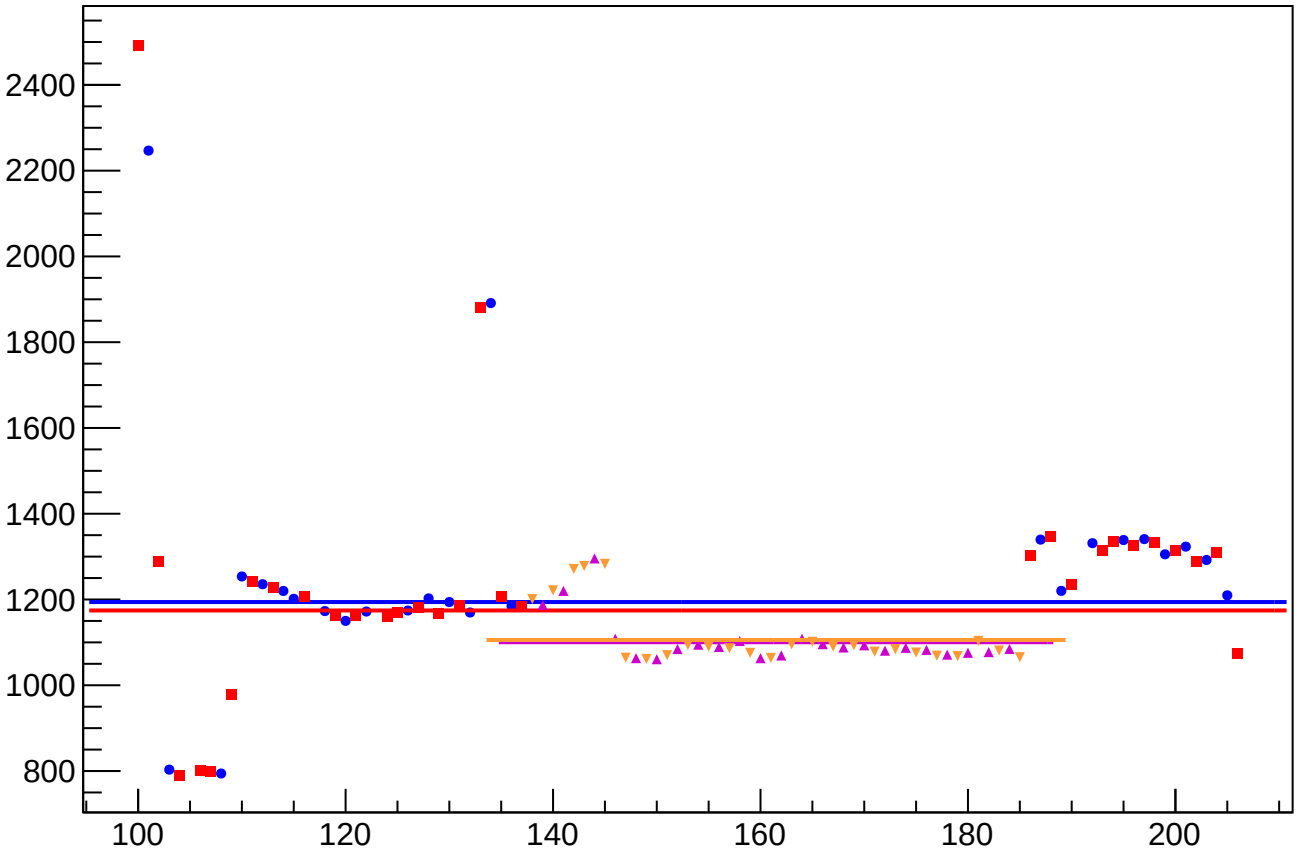
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -156.848+/-219.404 χ^2/NDF: 42.1/54

In: -482.999+/-201.368 χ^2/NDF:28.3/47

Out: 358.432+/-192.330 χ^2/NDF:66.7/54

All: -42.977+/-139.083 χ^2/NDF: 104.1/102



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

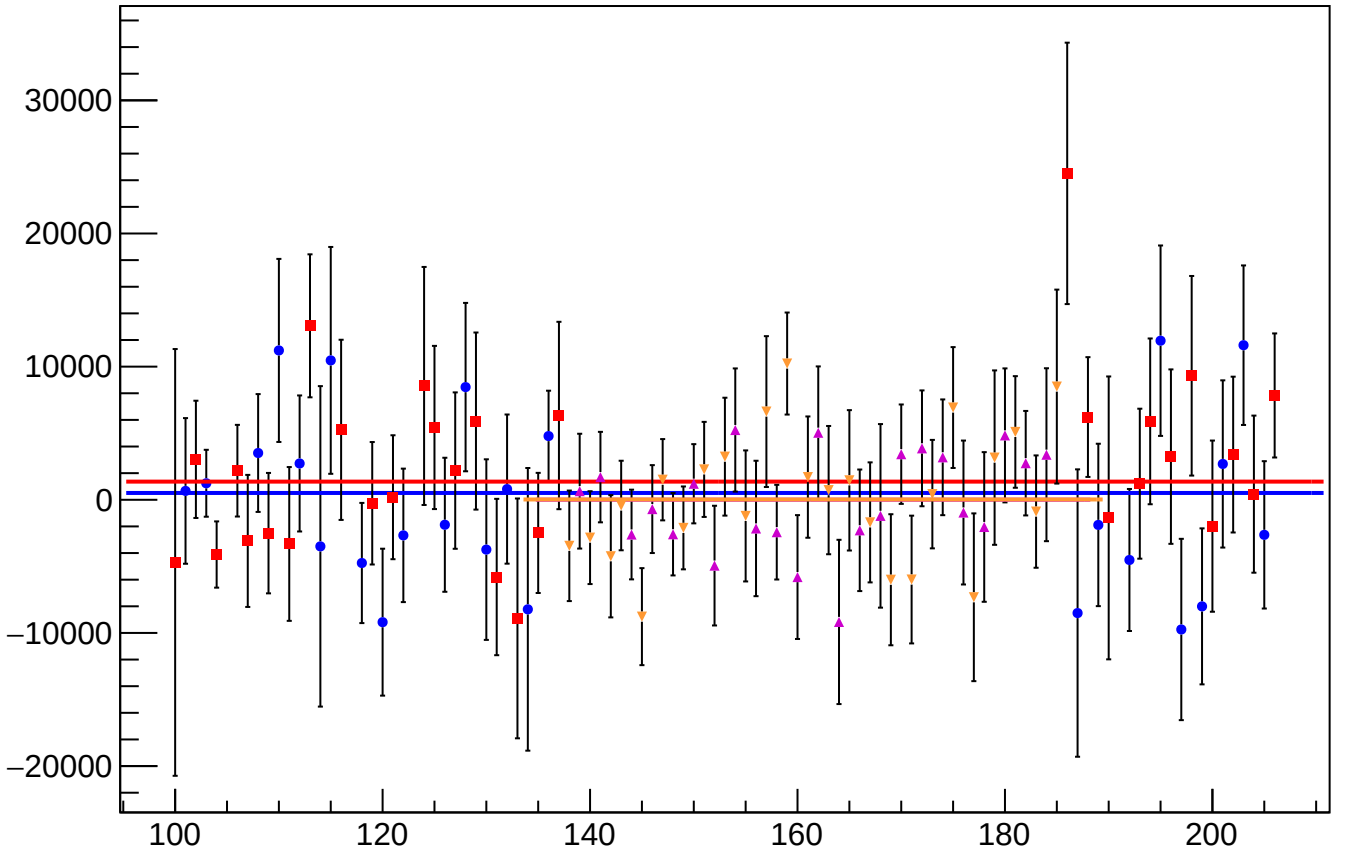
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1183.426+/-0.155 χ^2/NDF: 1885959.7/54

In: 1136.619+/-0.142 χ^2/NDF:1171728.5/47

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1135.345+/-0.098 χ^2/NDF: 2249392.5/10



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1364.796+/-967.809 χ^2/NDF: 29.1/29

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

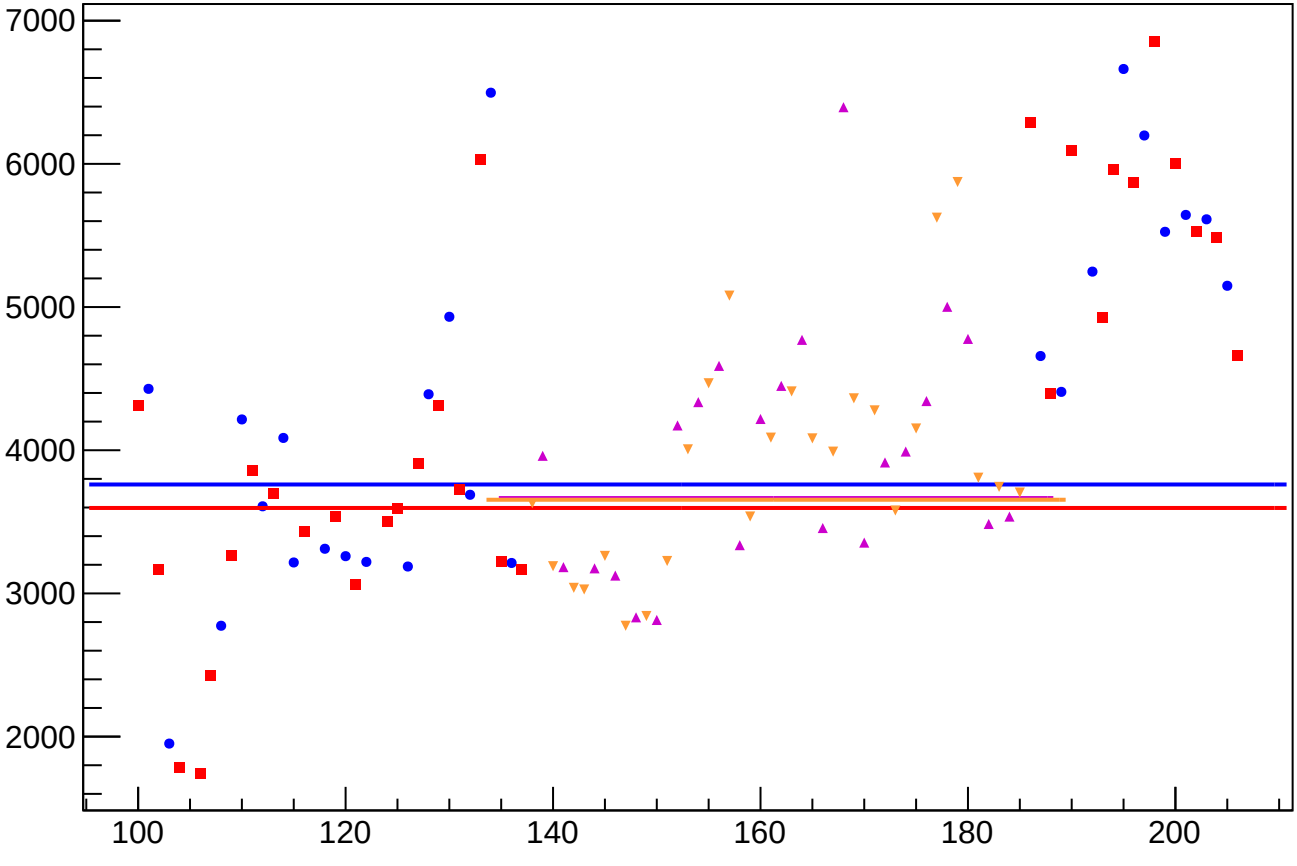
Right: 978.617+/-715.675 χ^2/NDF: 56.0/54

In: 210.885+/-675.718 χ^2/NDF:40.7/47

Out: 607.821+/-638.824 χ^2/NDF:58.7/54

All: 420.485+/-464.212 χ^2/NDF: 99.5/102

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

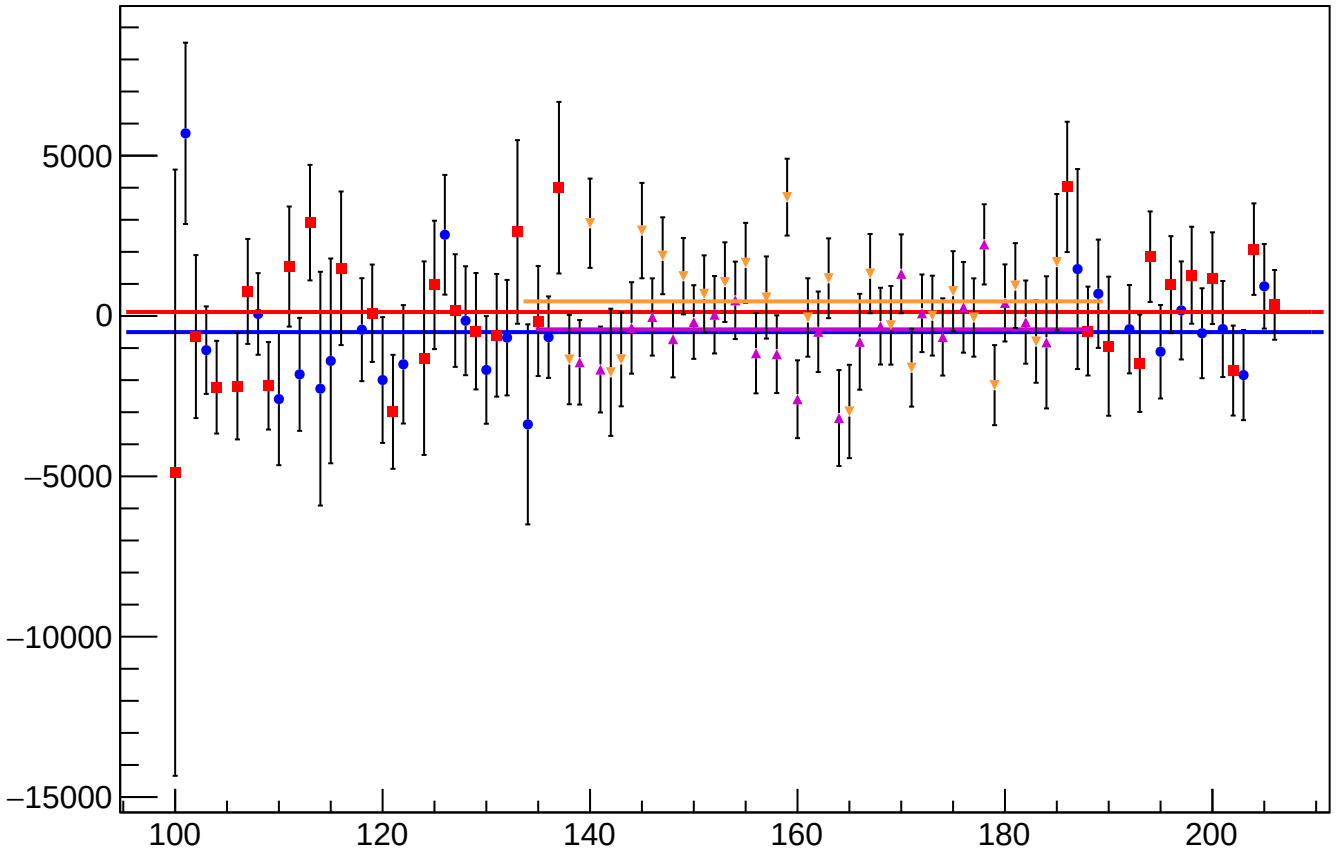
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3671.143+/-0.506 χ^2/NDF: 7186086.6/54

In: 3704.375+/-0.478 χ^2/NDF:4345423.7/47

Out: 3629.198+/-0.452 χ^2/NDF:5483544.6/54

All: 3664.678+/-0.328 χ^2/NDF: 9842040.1/10



Right In: -502.220+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 124.411+/-309.772 χ^2/NDF: 29.6/29

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

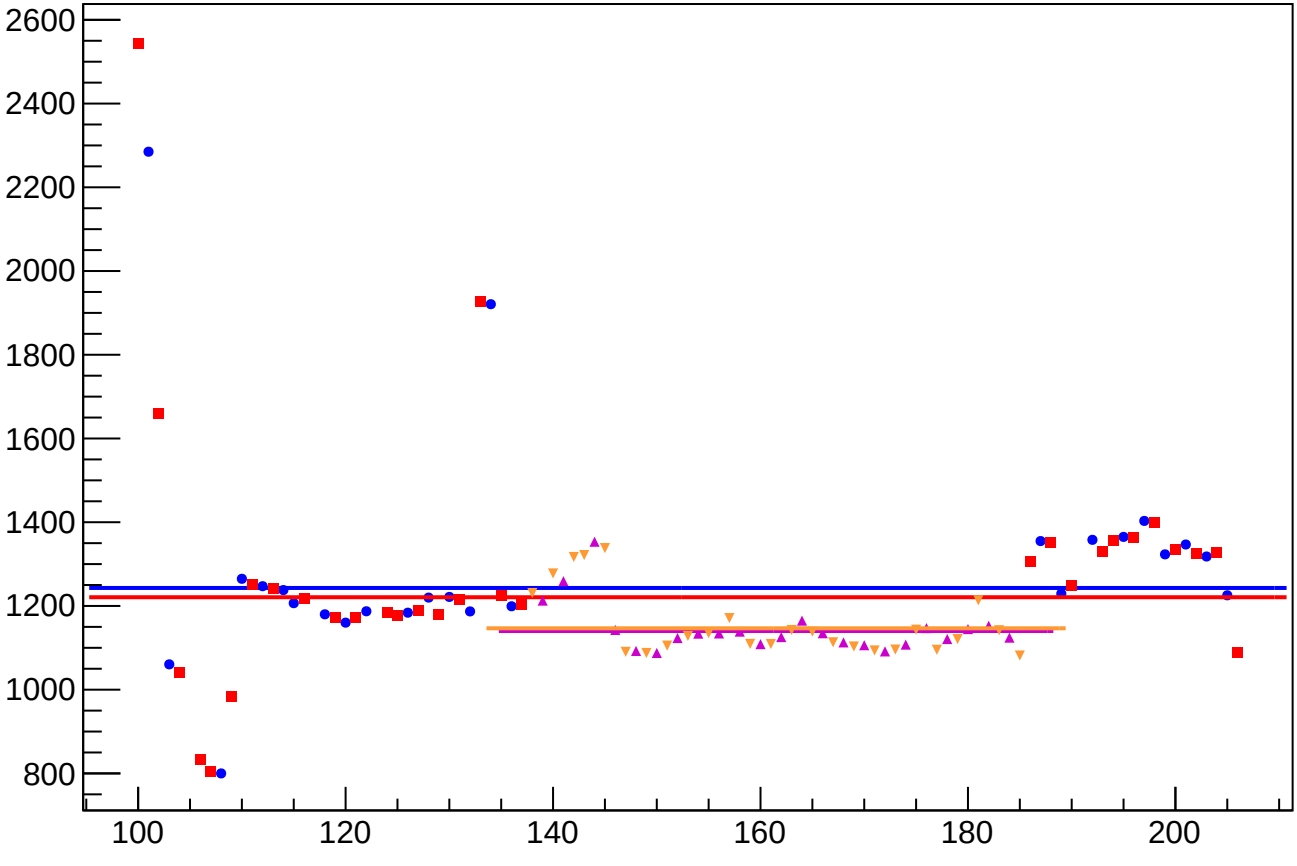
Right: -164.003+/-227.580 χ^2/NDF: 46.9/54

In: -450.111+/-208.705 χ^2/NDF:32.7/47

Out: 318.162+/-199.600 χ^2/NDF:66.4/54

All: -48.851+/-144.250 χ^2/NDF: 106.3/102

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1242.979+/-0.237 χ^2/NDF: 734946.4/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1220.816+/-0.219 χ^2/NDF: 720853.4/29

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

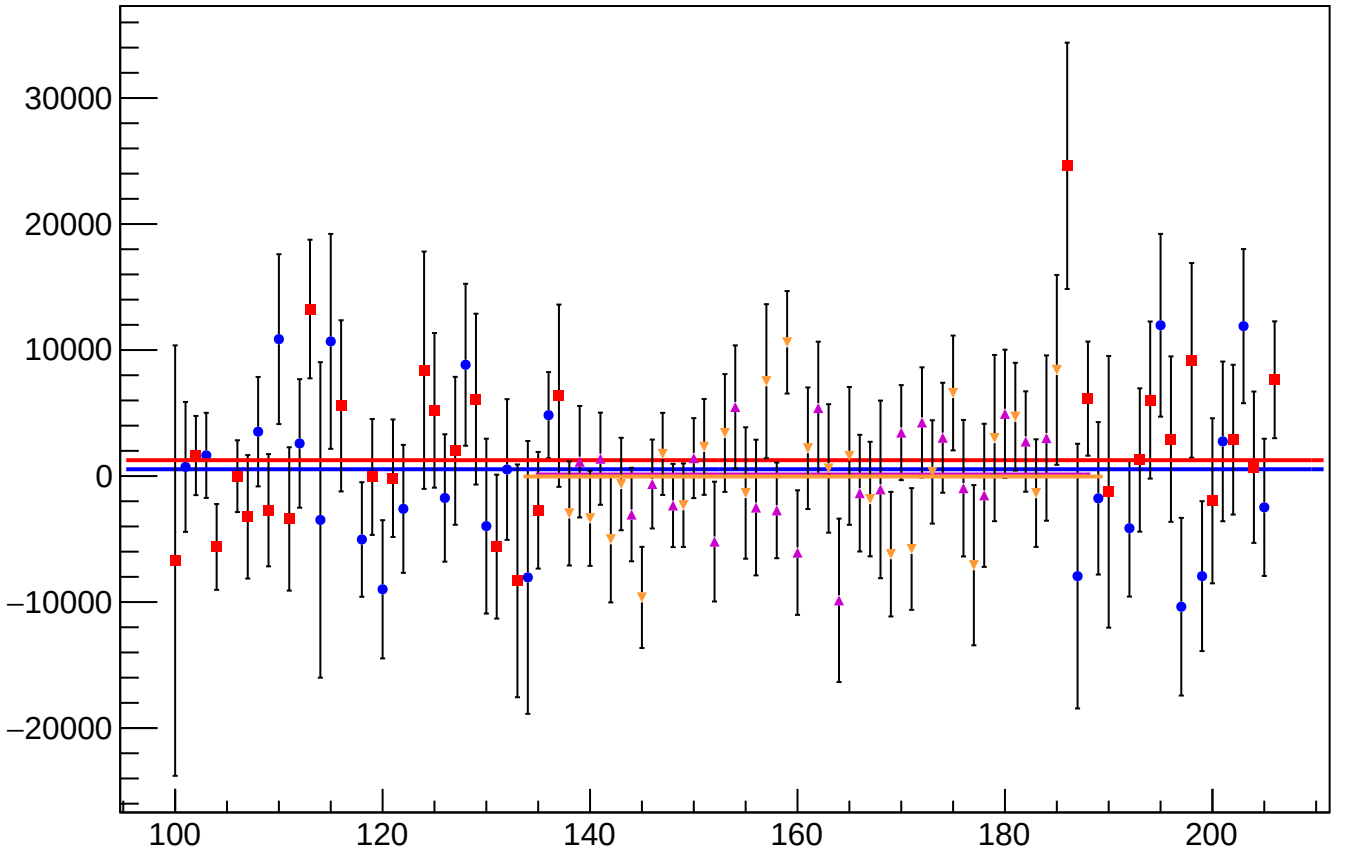
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1231.014+/-0.161 χ^2/NDF: 1460512.6/54

In: 1179.964+/-0.148 χ^2/NDF:934829.2/47

Out: 1177.429+/-0.141 χ^2/NDF:929000.5/54

All: 1178.640+/-0.102 χ^2/NDF: 1863983.8/10



Right In: 539.223+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 1258.950+/-965.665 χ^2/NDF: 28.3/29

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

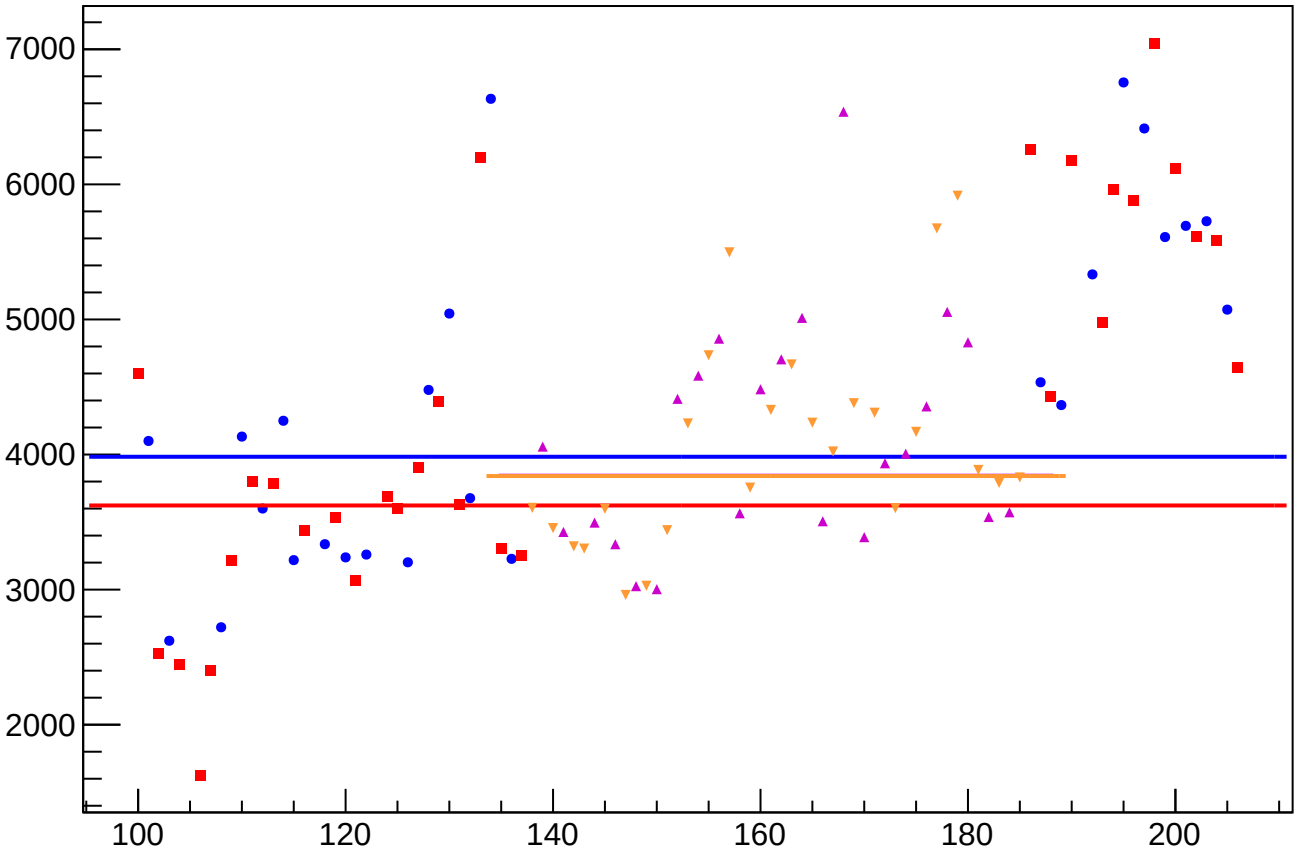
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 948.673+/-728.355 χ^2/NDF: 54.9/54

In: 290.522+/-706.190 χ^2/NDF:40.2/47

Out: 561.074+/-654.986 χ^2/NDF:57.0/54

All: 435.961+/-480.228 χ^2/NDF: 97.3/102



Right In: 3983.560+/-0.784 χ^2/NDF: 2177481.9/24

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3622.944+/-0.683 χ^2/NDF: 4023235.1/29

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

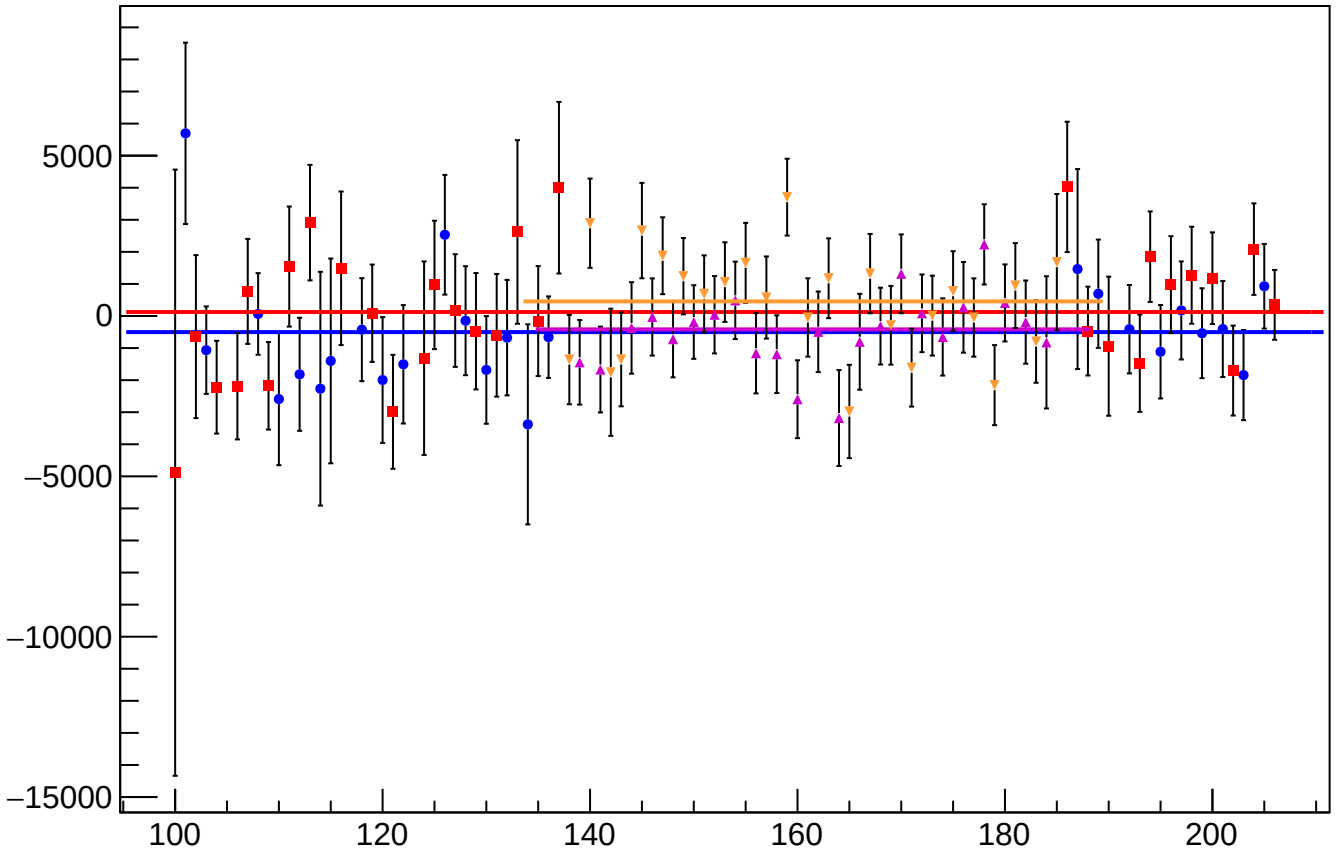
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3778.407+/-0.515 χ^2/NDF: 6320956.7/54

In: 3900.159+/-0.499 χ^2/NDF:3392547.8/47

Out: 3740.590+/-0.463 χ^2/NDF:5196879.2/54

All: 3814.380+/-0.340 χ^2/NDF: 8644319.6/10



Right In: -502.221+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 124.409+/-309.772 χ^2/NDF: 29.6/29

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

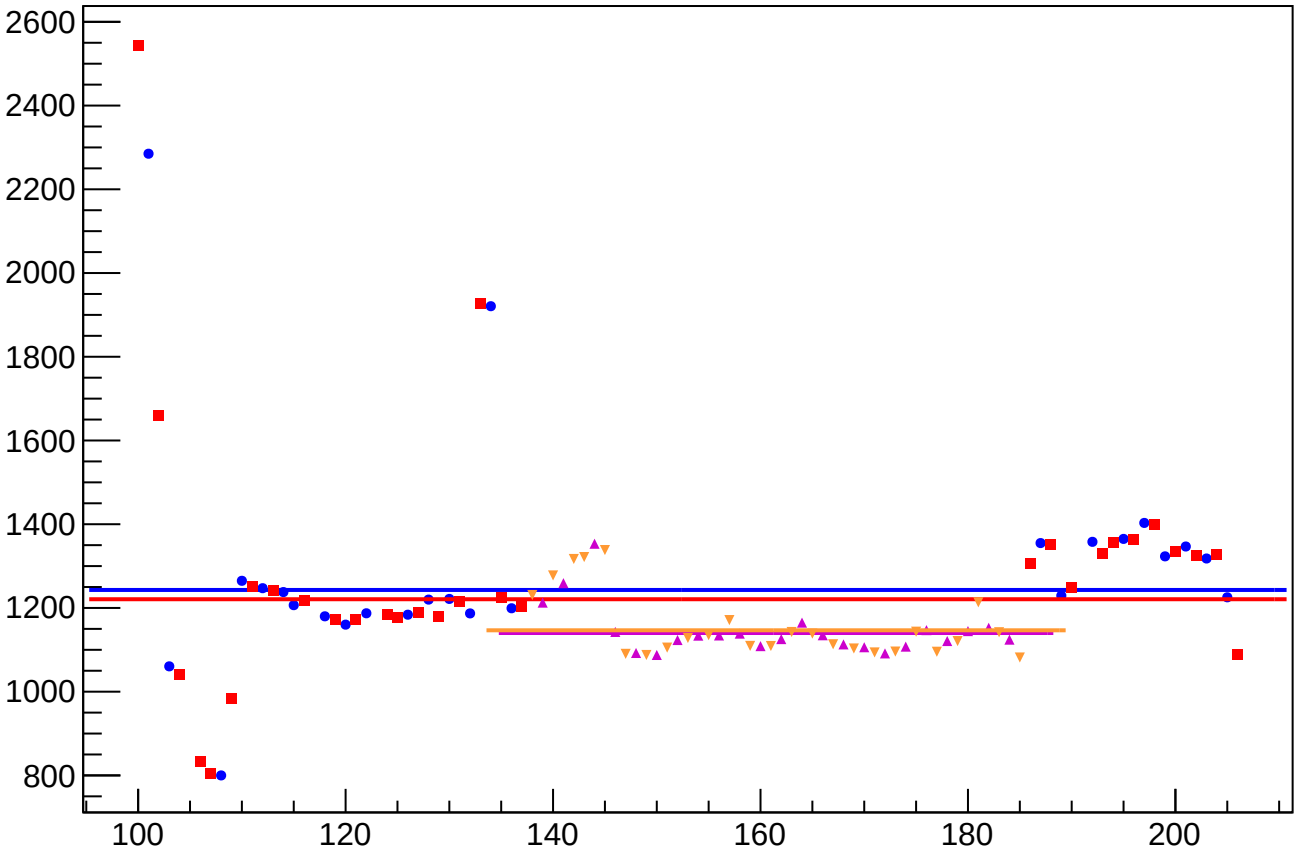
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -164.005+/-227.580 χ^2/NDF: 46.9/54

In: -450.111+/-208.705 χ^2/NDF:32.7/47

Out: 318.164+/-199.600 χ^2/NDF:66.4/54

All: -48.850+/-144.250 χ^2/NDF: 106.3/102



Right In: 1242.979+/-0.237 χ^2/NDF: 734947.1/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1220.817+/-0.219 χ^2/NDF: 720853.3/29

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

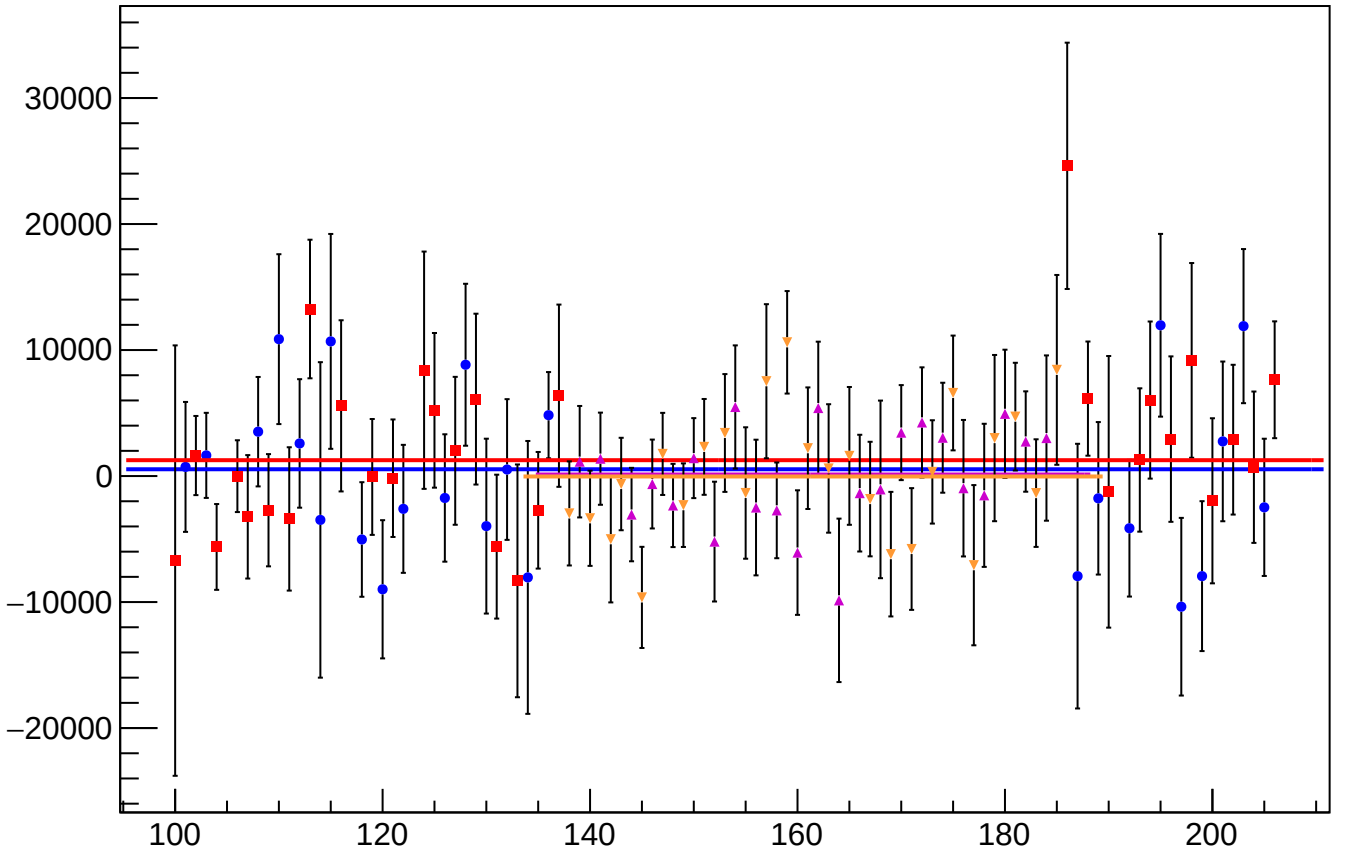
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1231.014+/-0.161 χ^2/NDF: 1460513.1/54

In: 1179.965+/-0.148 χ^2/NDF:934827.8/47

Out: 1177.430+/-0.141 χ^2/NDF:928999.6/54

All: 1178.641+/-0.102 χ^2/NDF: 1863981.5/10



Right In: 539.212+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 1258.942+/-965.664 χ^2/NDF: 28.3/29

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

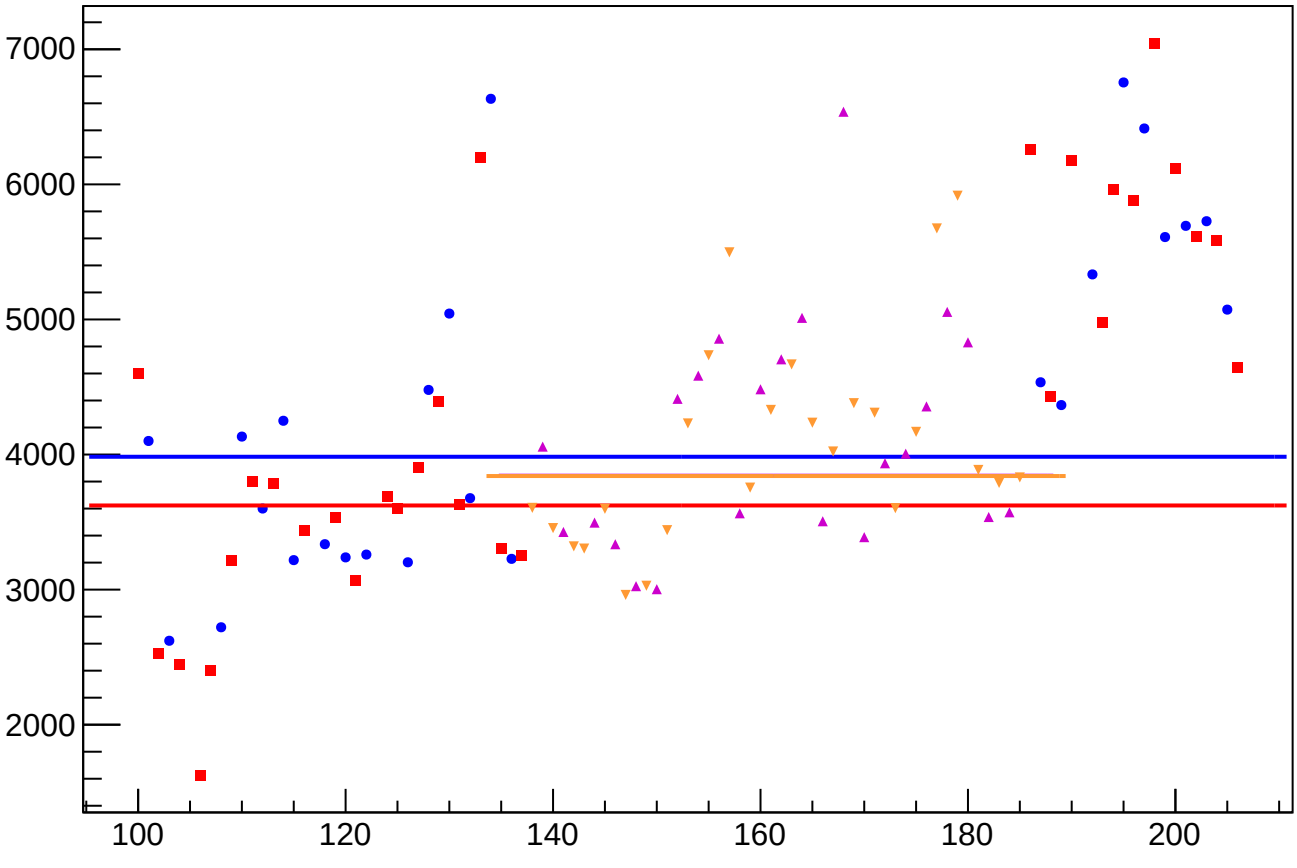
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 948.664+/-728.354 χ^2/NDF: 54.9/54

In: 290.519+/-706.191 χ^2/NDF:40.2/47

Out: 561.073+/-654.987 χ^2/NDF:57.0/54

All: 435.959+/-480.228 χ^2/NDF: 97.3/102



Right In: 3983.557+/-0.784 χ^2/NDF: 2177491.6/24

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3622.939+/-0.683 χ^2/NDF: 4023255.0/29

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

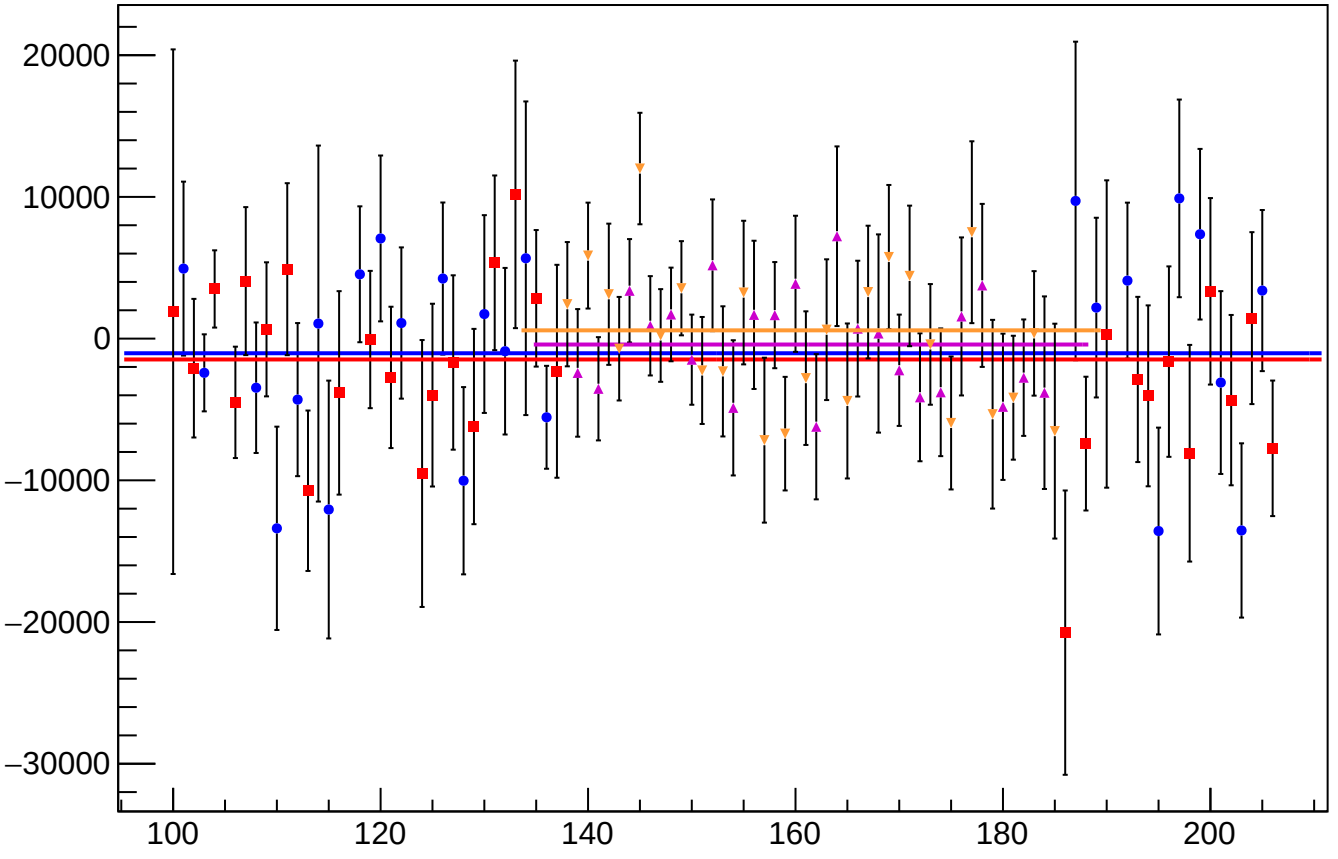
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3778.403+/-0.515 χ^2/NDF: 6320988.0/54

In: 3900.161+/-0.499 χ^2/NDF:3392559.4/47

Out: 3740.591+/-0.463 χ^2/NDF:5196905.7/54

All: 3814.382+/-0.340 χ^2/NDF: 8644358.7/10



Right In: -1032.555+/-1122.055 χ^2/NDF: 28.9/24

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1471.208+/-1028.497 χ^2/NDF: 23.2/29

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

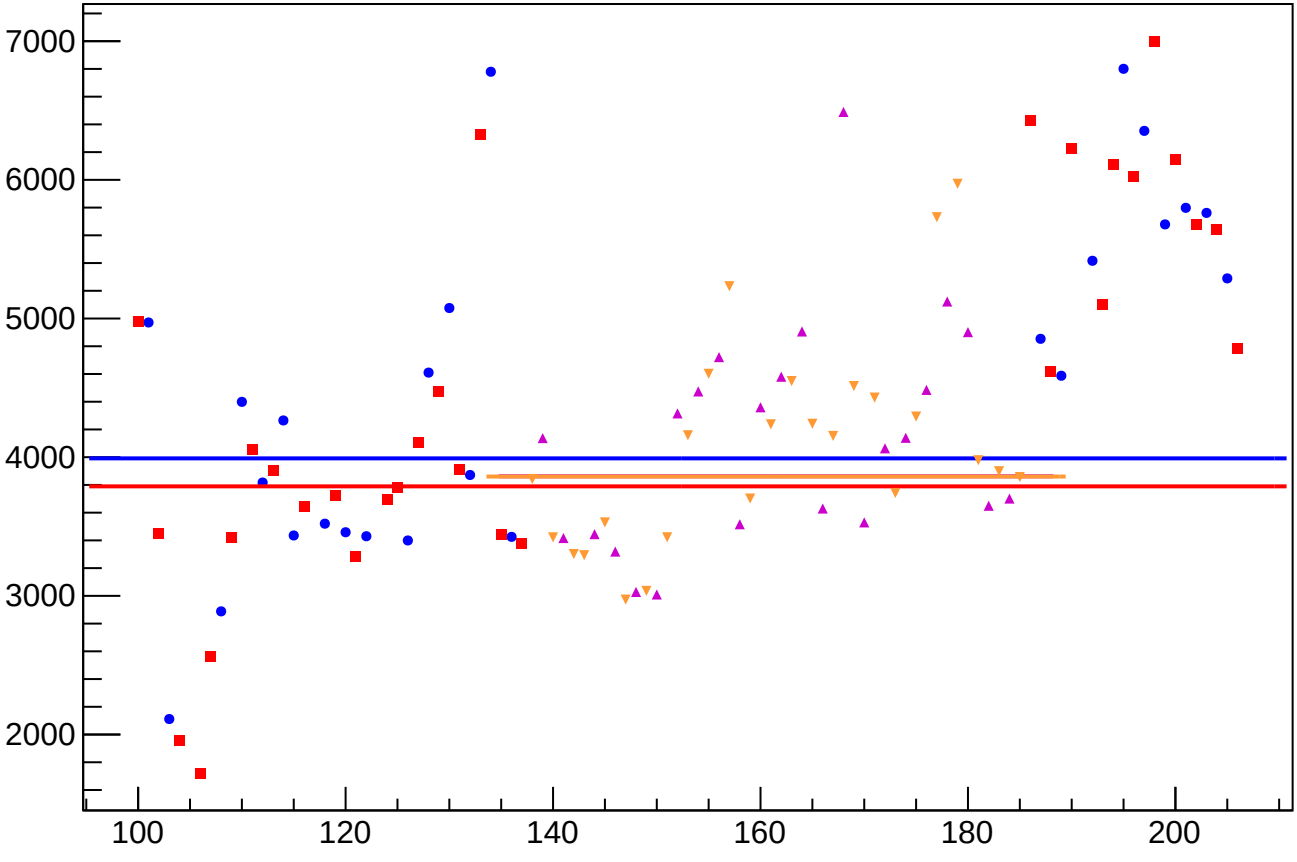
Right: -1270.928+/-758.179 χ^2/NDF: 52.2/54

In: -664.023+/-710.973 χ^2/NDF:41.5/47

Out: -301.948+/-675.116 χ^2/NDF:52.9/54

All: -473.625+/-489.565 χ^2/NDF: 94.6/102

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3991.482+/-0.793 χ^2/NDF: 2737149.4/24

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3789.685+/-0.719 χ^2/NDF: 3977407.8/29

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

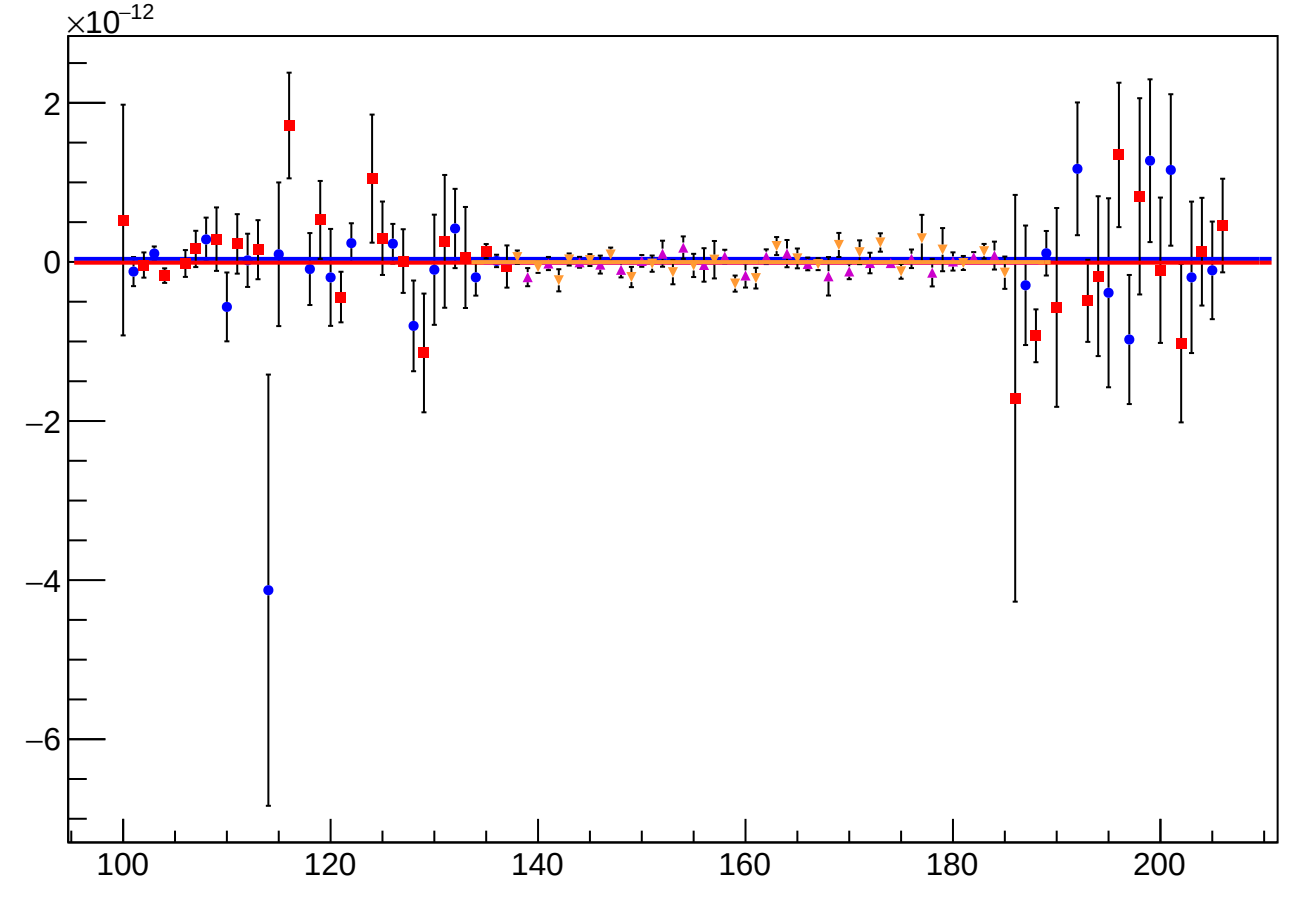
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3880.623+/-0.533 χ^2/NDF: 6750094.7/54

In: 3914.189+/-0.503 χ^2/NDF:3895185.9/47

Out: 3829.591+/-0.475 χ^2/NDF:5080175.7/54

All: 3869.484+/-0.345 χ^2/NDF: 8990325.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

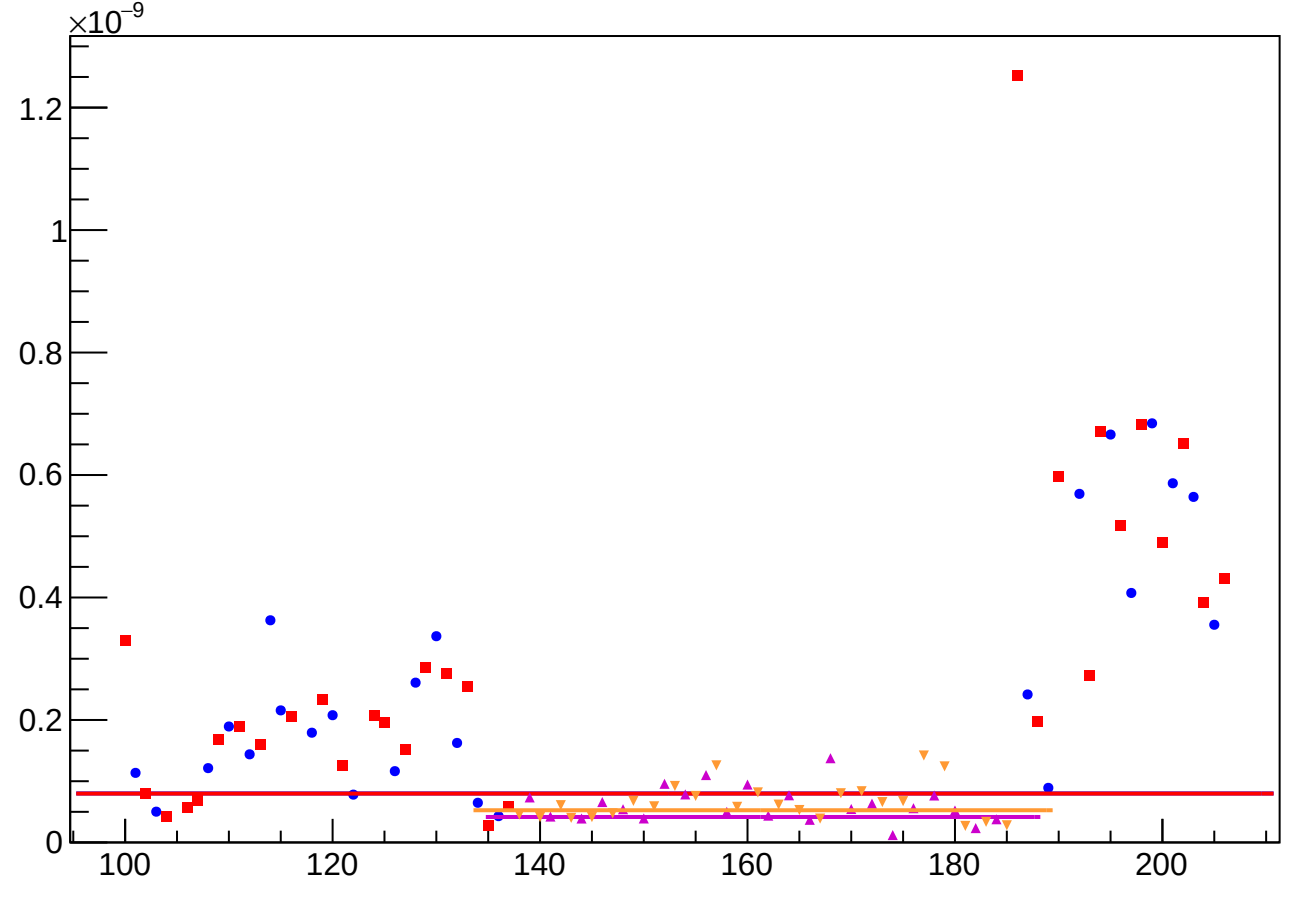
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 54.7/54

In: -0.000+/-0.000 χ^2/NDF:32.2/47

Out: -0.000+/-0.000 χ^2/NDF:69.9/54

All: -0.000+/-0.000 χ^2/NDF: 102.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 5602394.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7589810.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

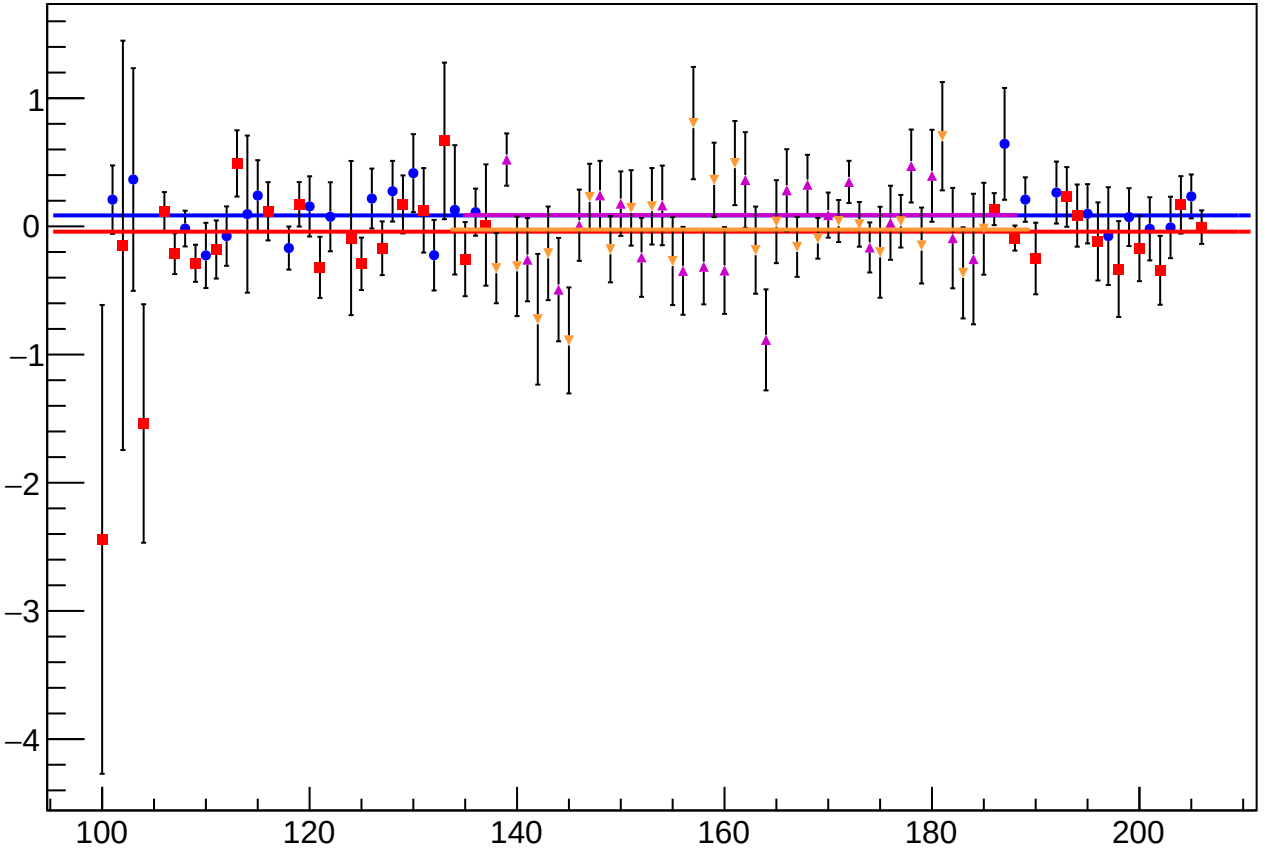
Right: 0.000+/-0.000 χ^2/NDF: 13192227.0/54

In: 0.000+/-0.000 χ^2/NDF:9659553.1/47

Out: 0.000+/-0.000 χ^2/NDF:9734305.8/54

All: 0.000+/-0.000 χ^2/NDF: 19675535.4/102

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

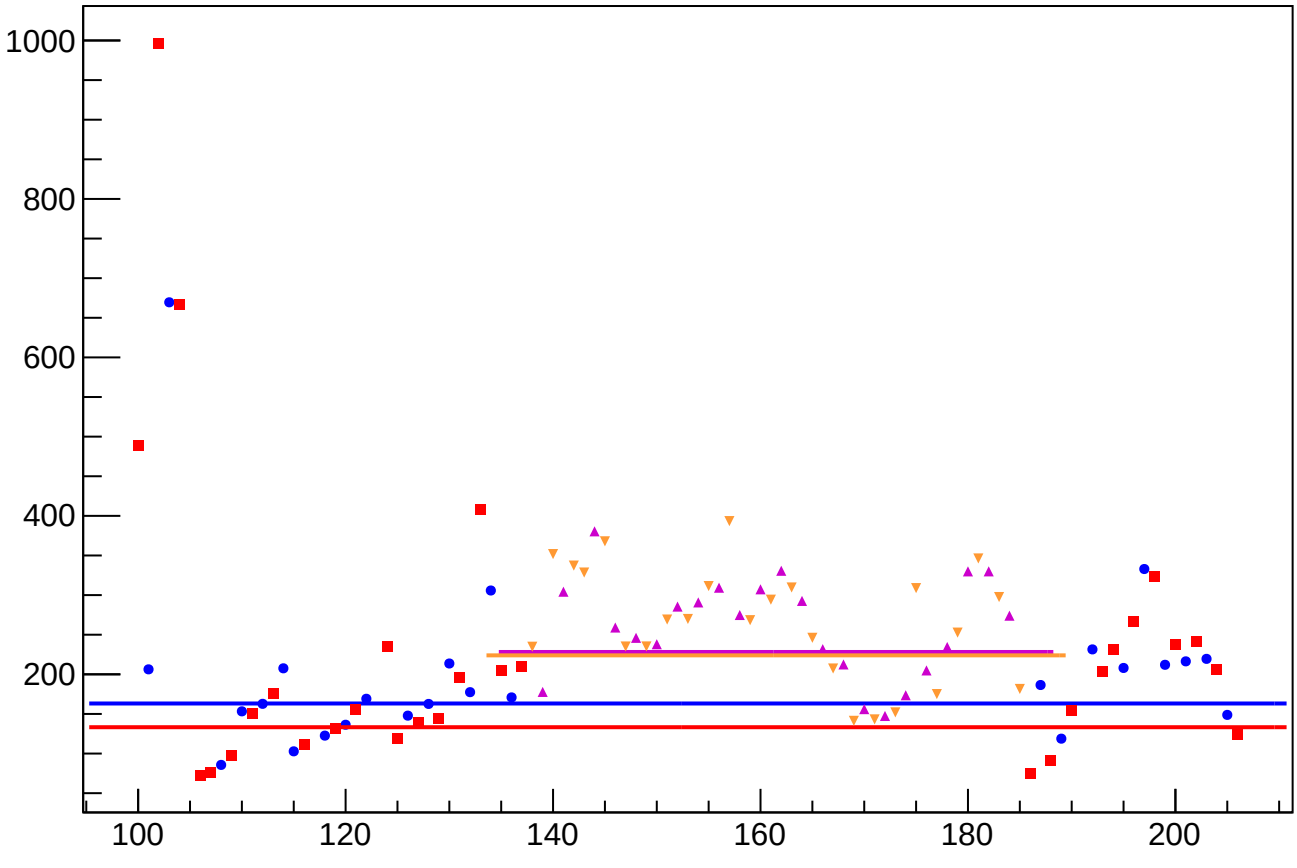
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.009+/-0.030 χ^2/NDF: 47.2/54

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.017+/-0.024 χ^2/NDF: 103.5/102



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

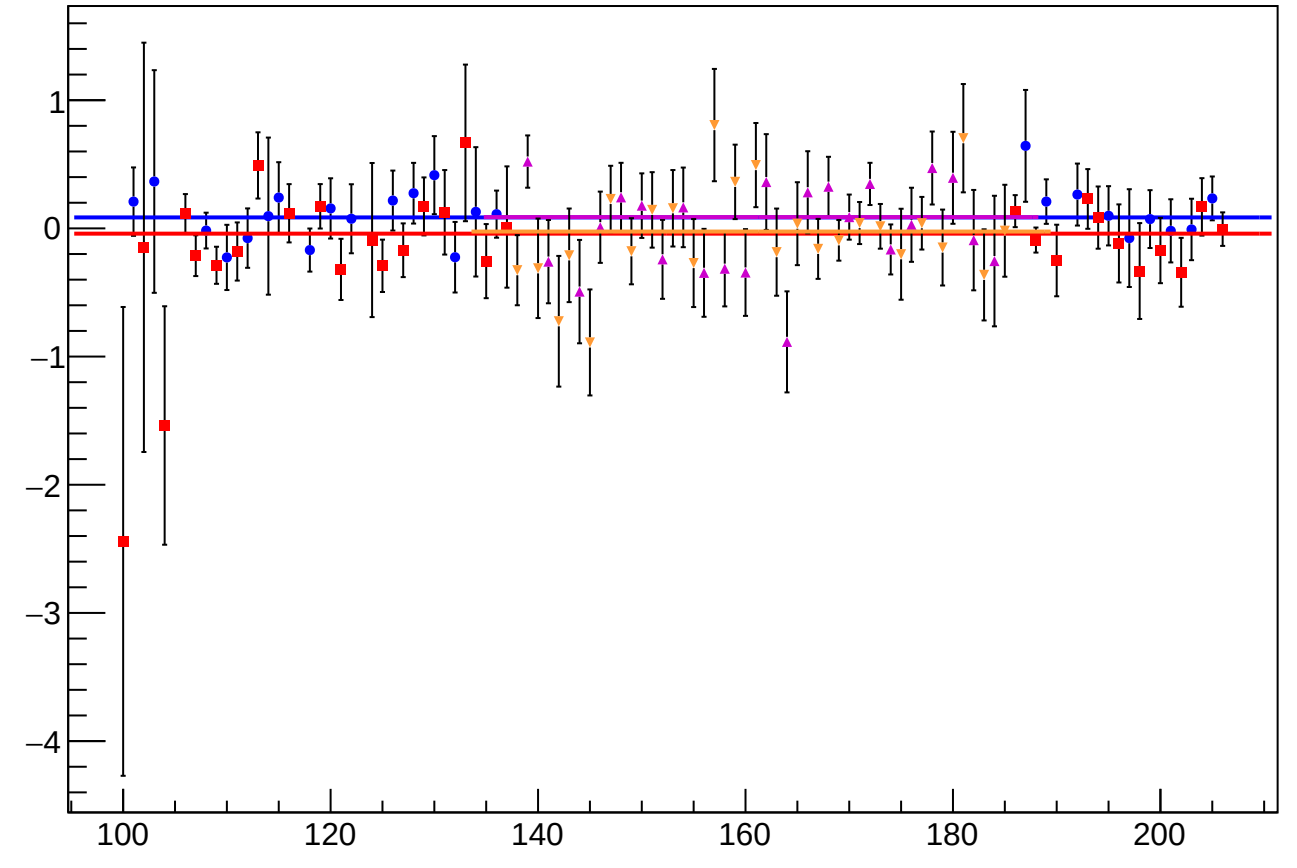
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.144+/-0.021 χ^2/NDF: 9375219.8/54

In: 189.910+/-0.026 χ^2/NDF:6952779.2/47

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 174.687+/-0.017 χ^2/NDF: 20675740.9/10



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

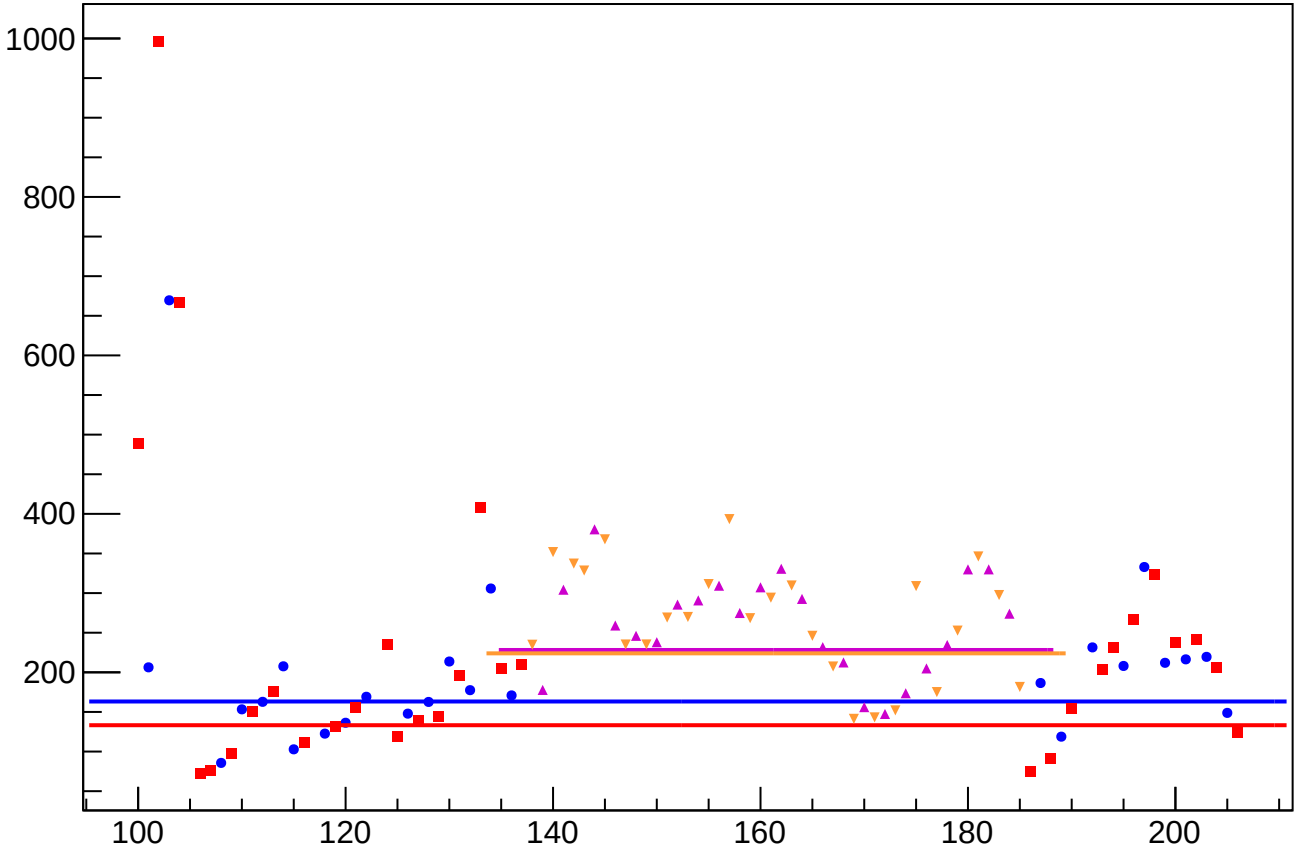
Right: 0.009+/-0.030 χ^2/NDF: 47.2/54

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.017+/-0.024 χ^2/NDF: 103.5/102

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

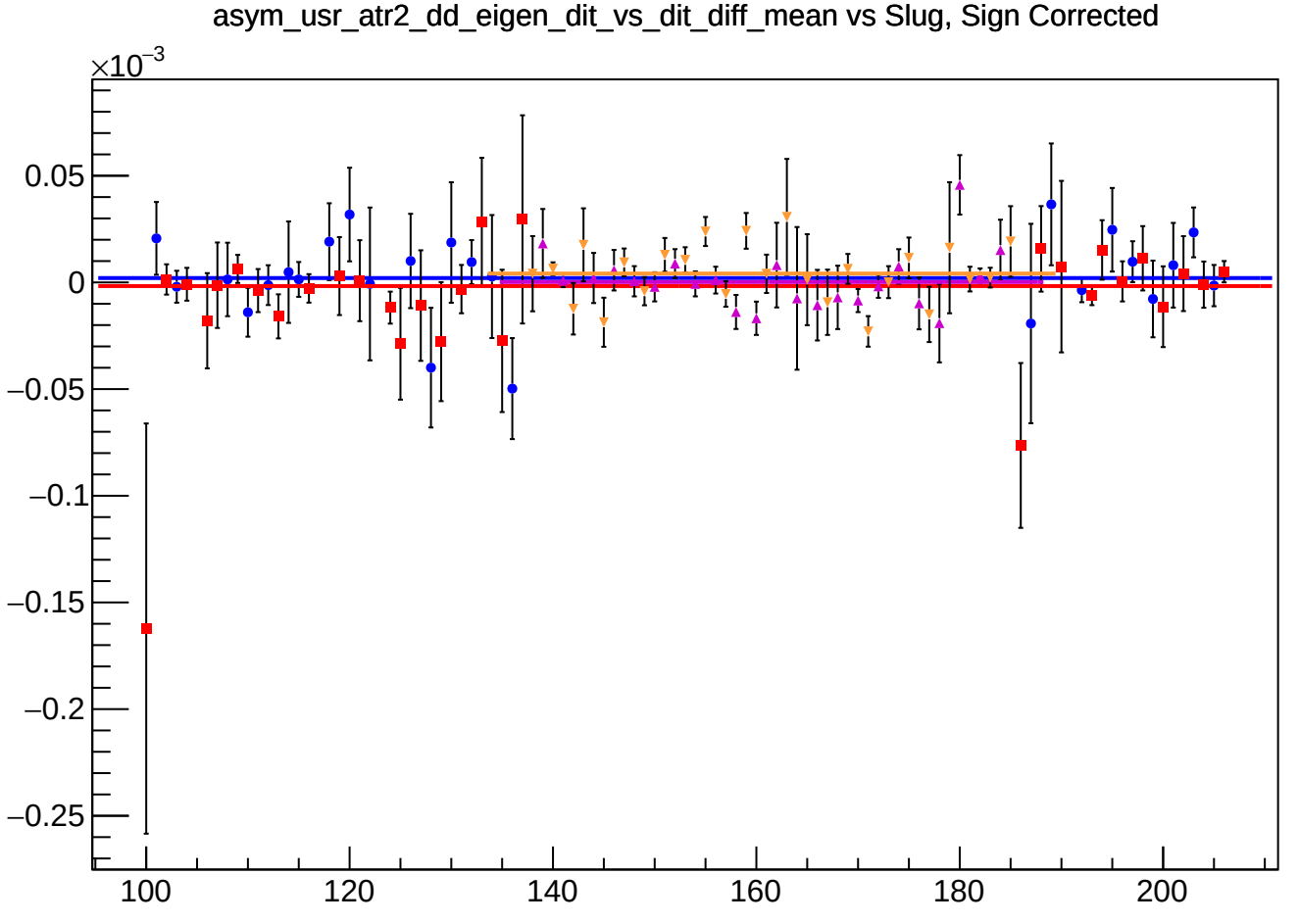
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.144+/-0.021 χ^2/NDF: 9375219.8/54

In: 189.910+/-0.026 χ^2/NDF:6952779.2/47

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 174.687+/-0.017 χ^2/NDF: 20675740.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

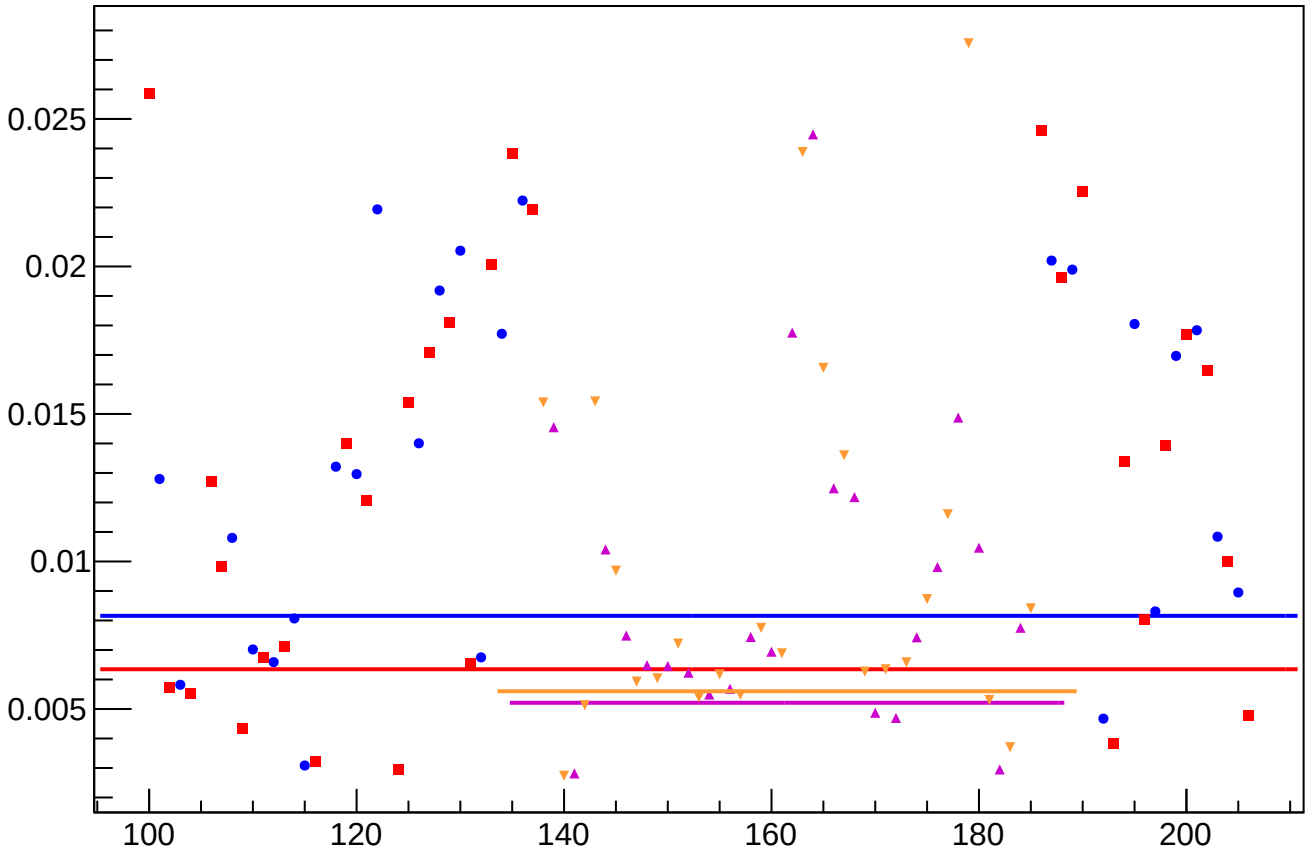
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/54

In: 0.000+/-0.000 χ^2/NDF:53.4/47

Out: 0.000+/-0.000 χ^2/NDF:77.8/54

All: 0.000+/-0.000 χ^2/NDF: 131.8/102



Right In: 0.008+/-0.000 χ^2/NDF: 6400233.1/24

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9231283.0/29

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

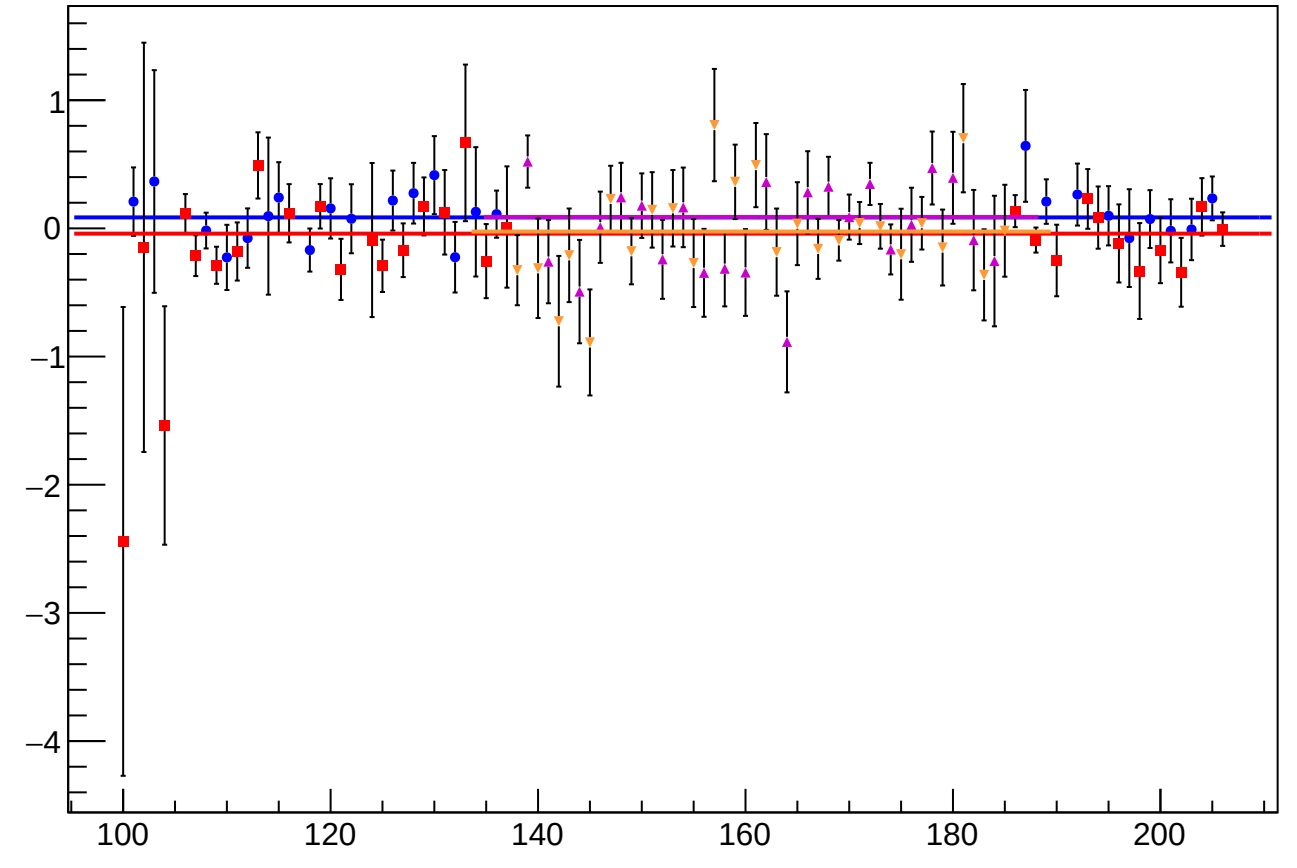
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 16277651.8/54

In: 0.006+/-0.000 χ^2/NDF:15887426.4/47

Out: 0.006+/-0.000 χ^2/NDF:17192529.0/54

All: 0.006+/-0.000 χ^2/NDF: 33080930.3/102



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

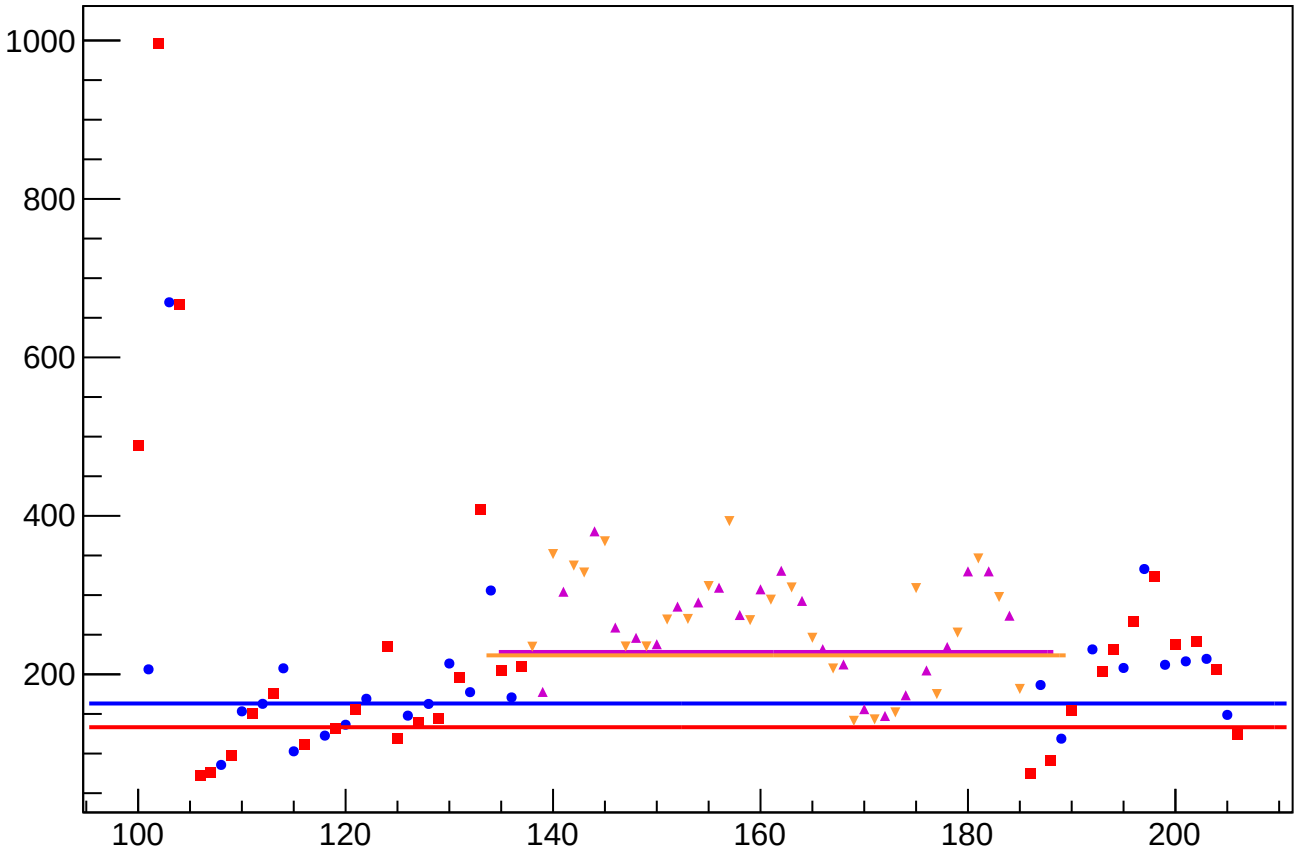
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.009+/-0.030 χ^2/NDF: 47.2/54

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.017+/-0.024 χ^2/NDF: 103.5/102



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

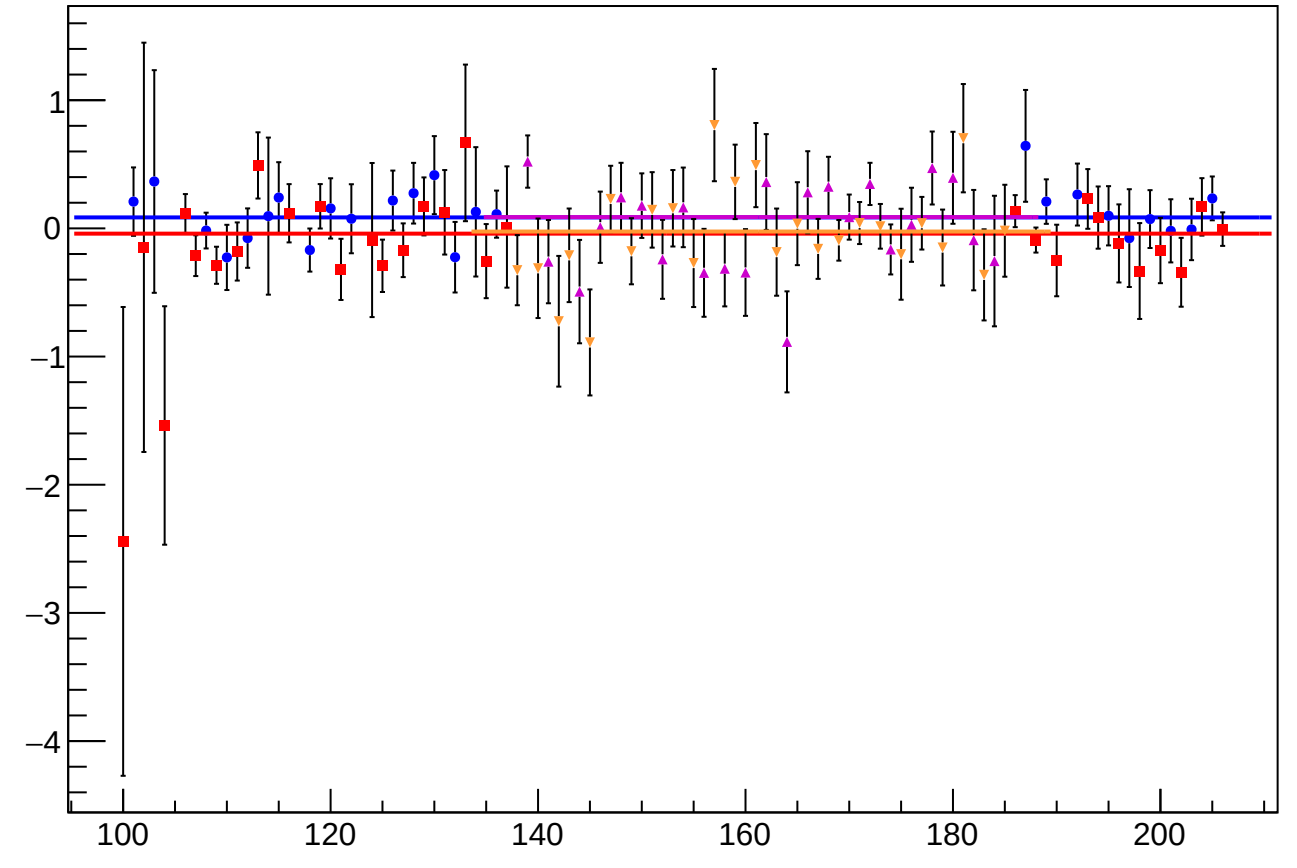
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 145.146+/-0.021 χ^2/NDF: 9374688.9/54

In: 189.908+/-0.026 χ^2/NDF:6953247.7/47

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 174.689+/-0.017 χ^2/NDF: 20675201.0/10



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

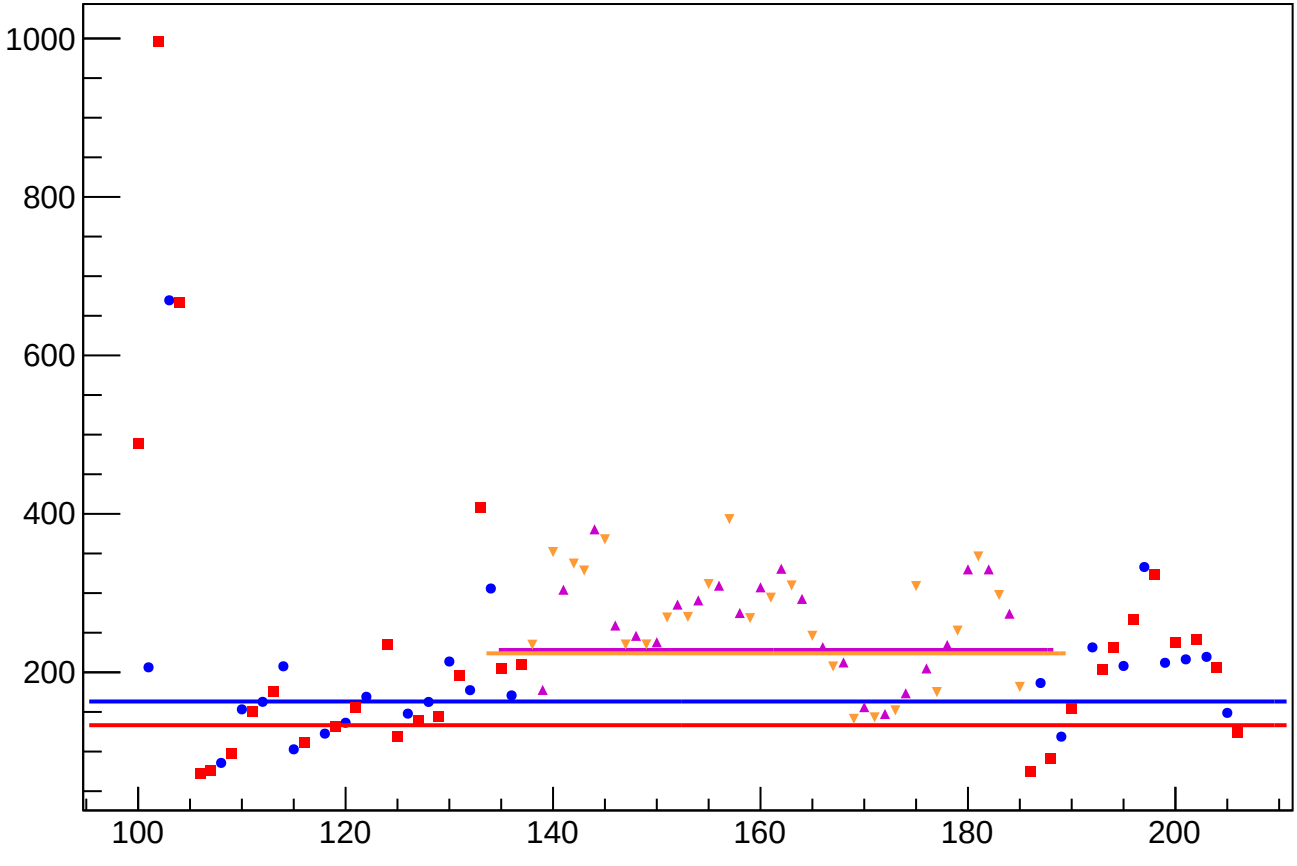
Right: 0.009+/-0.030 χ^2/NDF: 47.2/54

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.017+/-0.024 χ^2/NDF: 103.5/102

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

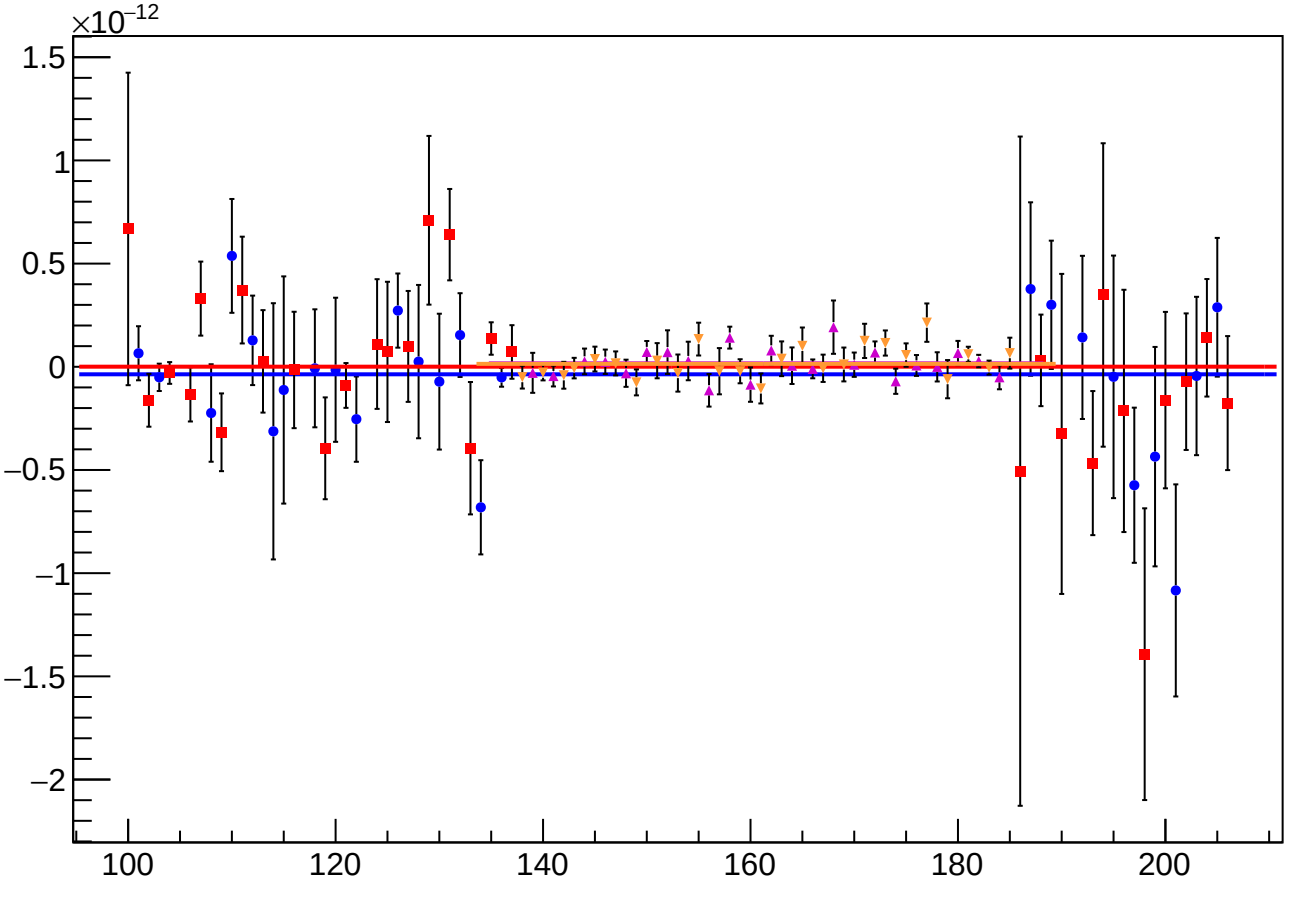
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 145.146+/-0.021 χ^2/NDF: 9374688.9/54

In: 189.908+/-0.026 χ^2/NDF:6953247.7/47

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 174.689+/-0.017 χ^2/NDF: 20675201.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.9/29

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

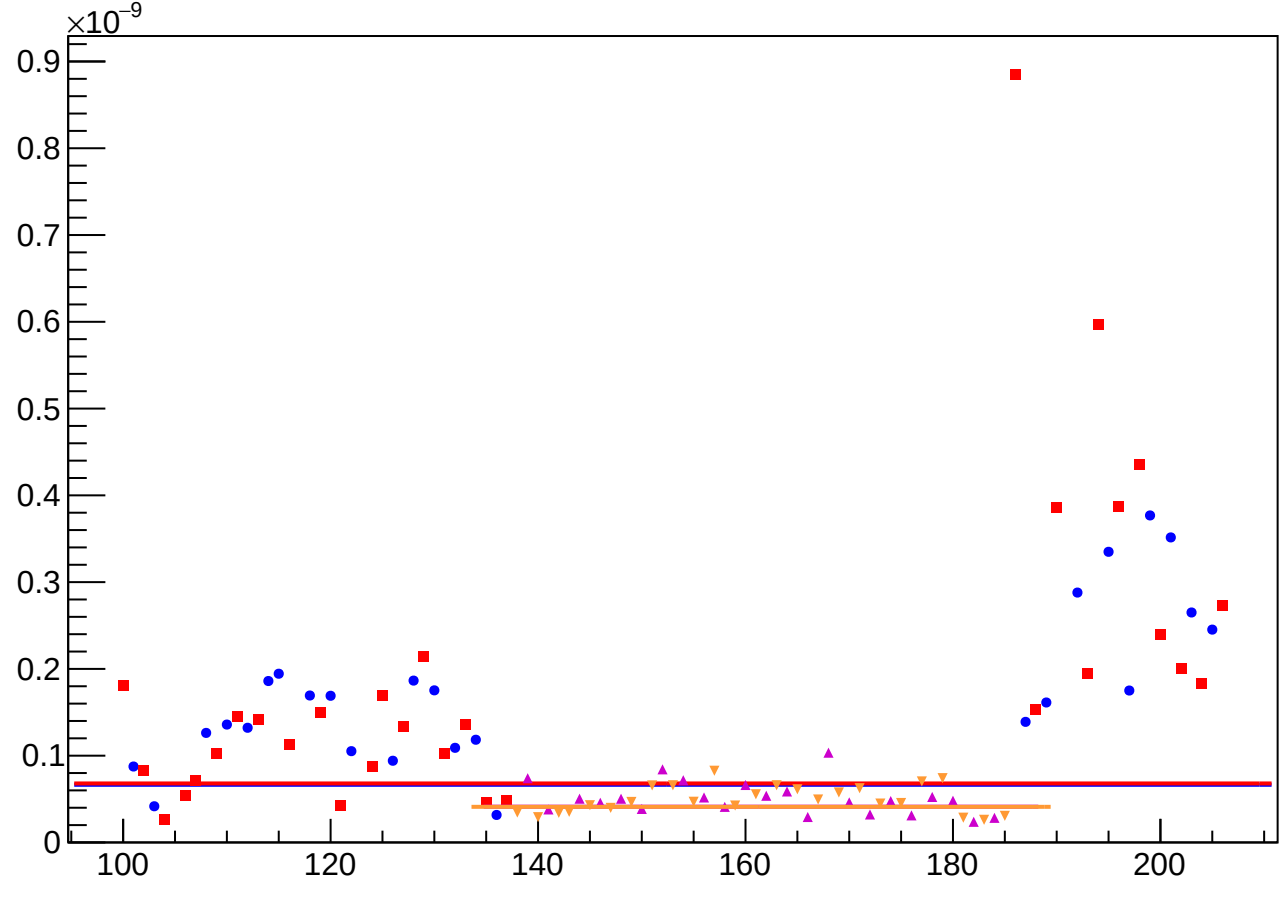
Right: -0.000+/-0.000 χ^2/NDF: 69.1/54

In: 0.000+/-0.000 χ^2/NDF:53.7/47

Out: 0.000+/-0.000 χ^2/NDF:64.4/54

All: 0.000+/-0.000 χ^2/NDF: 118.2/102

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7156406.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8356540.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

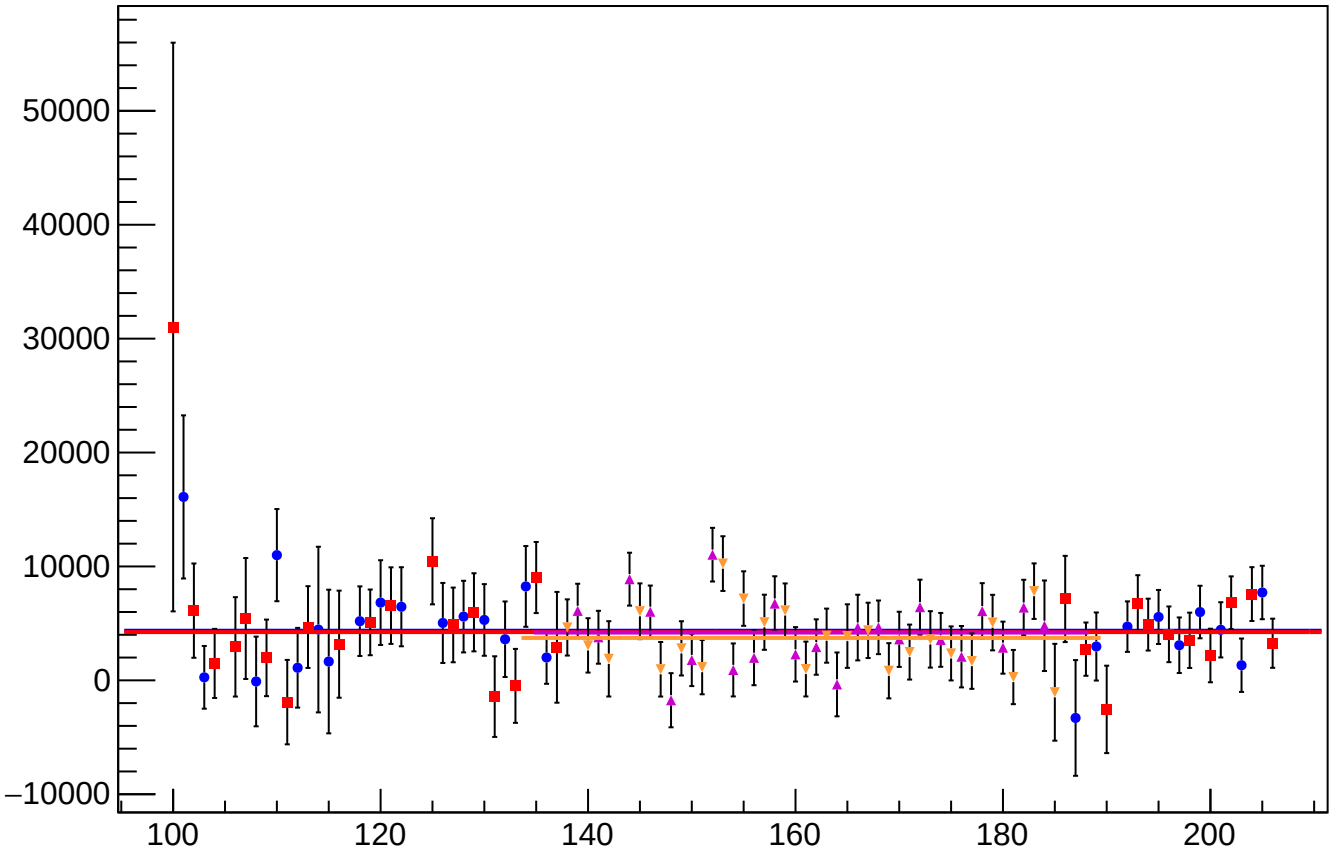
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15515451.4/54

In: 0.000+/-0.000 χ^2/NDF:11133757.0/47

Out: 0.000+/-0.000 χ^2/NDF:12321950.8/54

All: 0.000+/-0.000 χ^2/NDF: 23455707.9/102



Right In: 4355.414+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4235.575+/-568.713 χ^2/NDF: 25.8/28

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

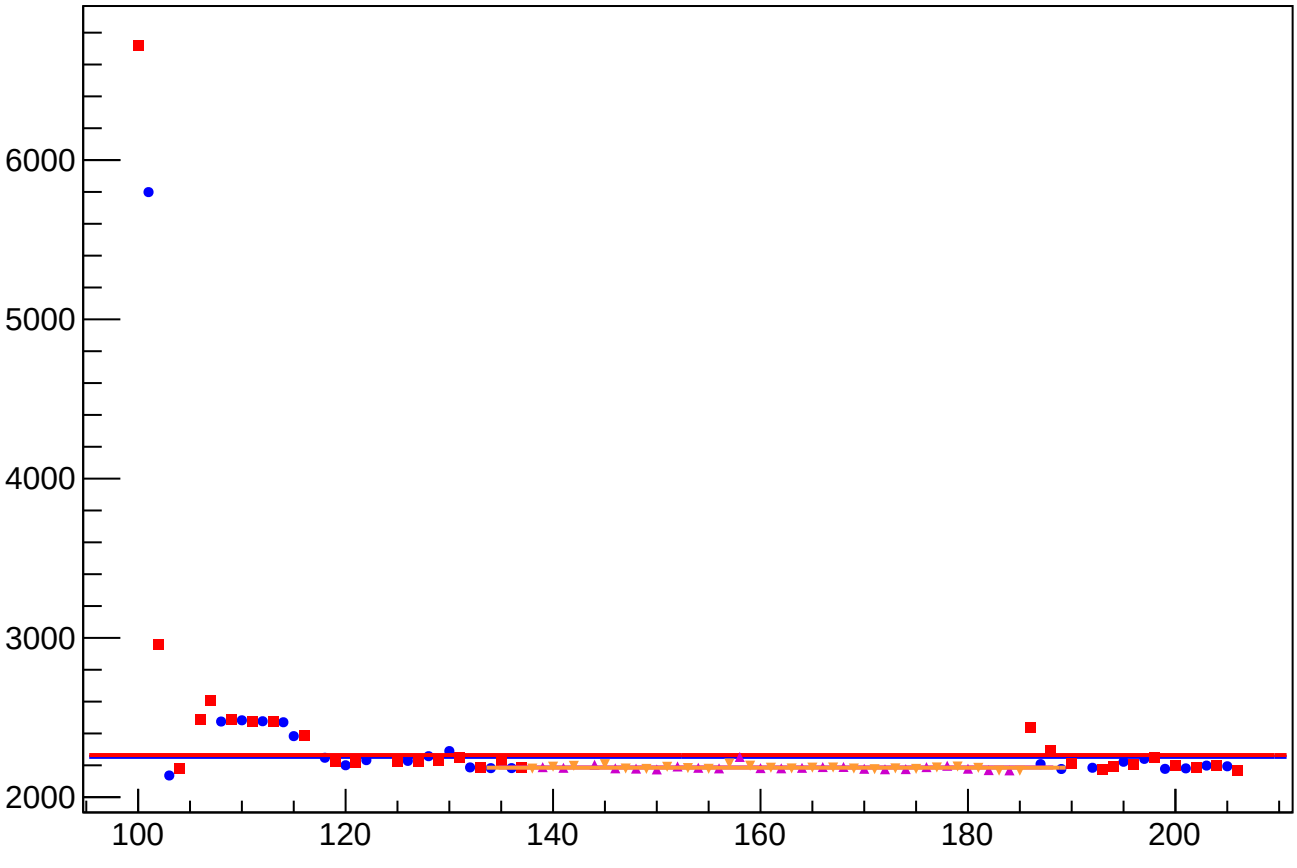
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4291.741+/-414.543 χ^2/NDF: 46.5/53

In: 4262.209+/-390.336 χ^2/NDF:52.8/47

Out: 3950.326+/-378.512 χ^2/NDF:51.7/52

All: 4101.472+/-271.733 χ^2/NDF: 104.8/100



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.4/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.487+/-0.402 χ^2/NDF: 182497.0/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

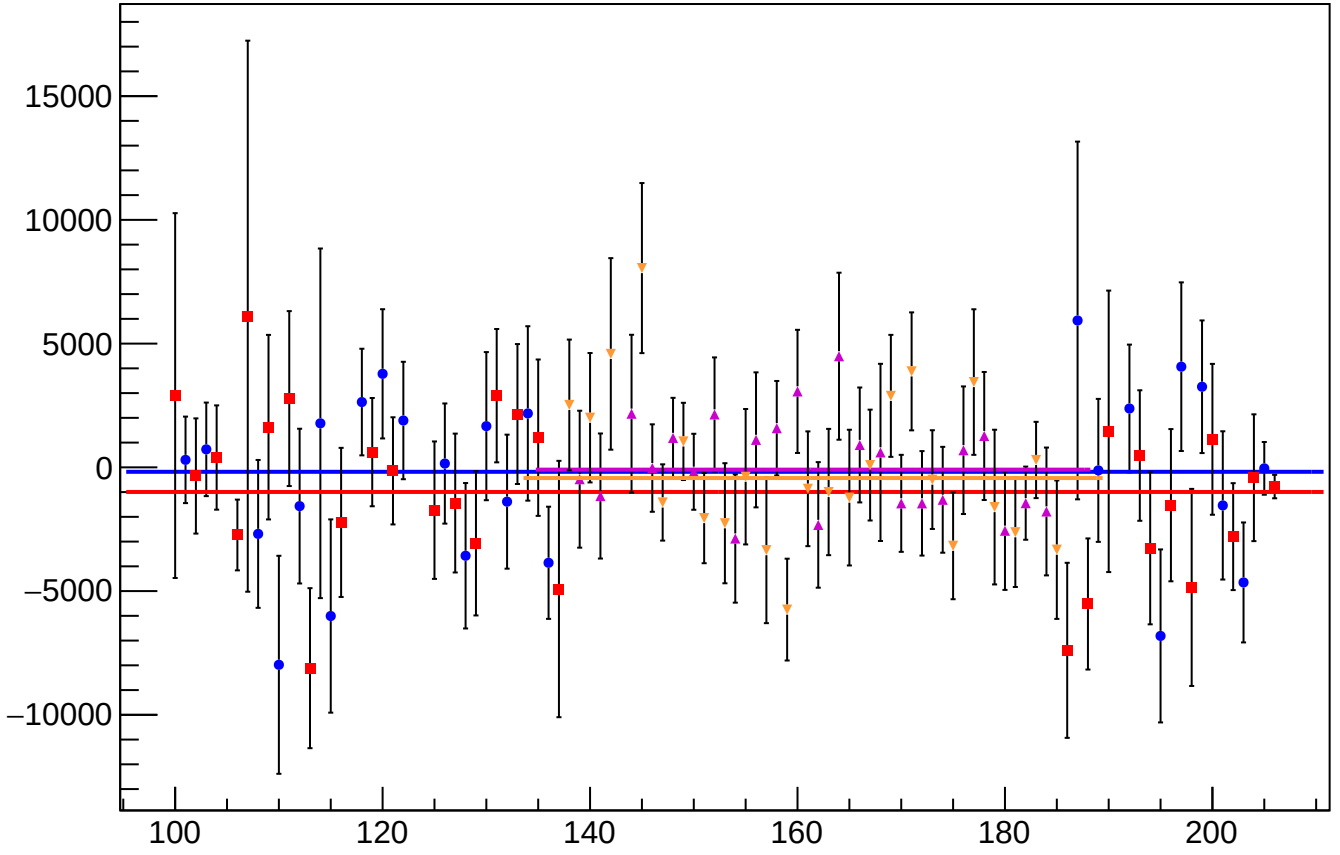
Right: 2259.101+/-0.293 χ^2/NDF: 714789.1/53

In: 2214.275+/-0.276 χ^2/NDF:547965.8/47

Out: 2220.284+/-0.268 χ^2/NDF:205002.4/52

All: 2217.372+/-0.192 χ^2/NDF: 753212.5/100

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -180.019+/-495.867 χ^2/NDF: 28.6/24

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -994.343+/-351.998 χ^2/NDF: 24.7/28

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

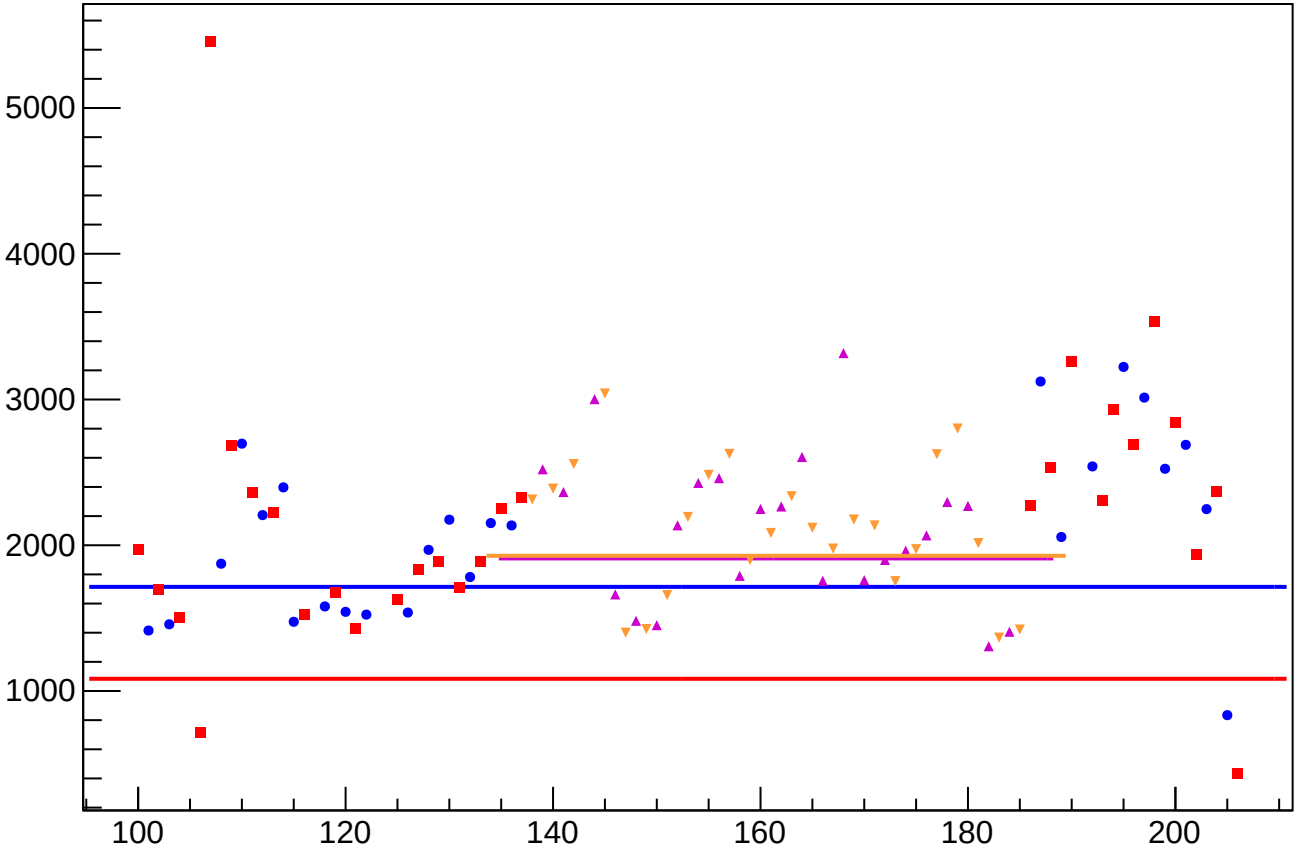
Right: -721.492+/-287.032 χ^2/NDF: 55.0/53

In: -133.123+/-337.500 χ^2/NDF:41.3/47

Out: -788.124+/-280.076 χ^2/NDF:56.9/52

All: -521.006+/-215.529 χ^2/NDF: 100.4/100

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1714.463+/-0.351 χ^2/NDF: 3310151.0/24

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1083.832+/-0.249 χ^2/NDF: 11676056.4/28

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

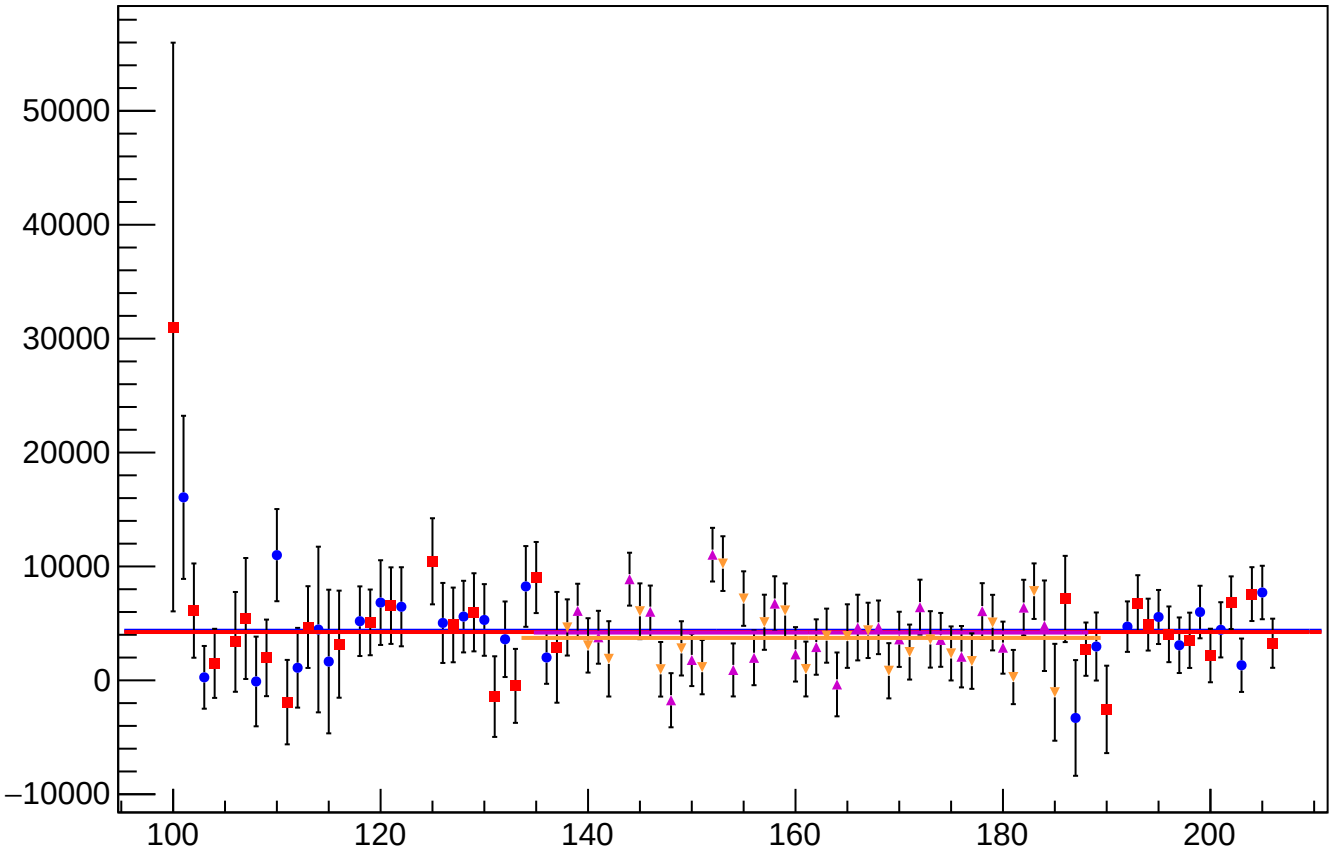
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1295.134+/-0.203 χ^2/NDF: 17137149.9/53

In: 1819.209+/-0.239 χ^2/NDF:5418682.8/47

Out: 1393.432+/-0.198 χ^2/NDF:17691468.5/52

All: 1567.070+/-0.152 χ^2/NDF: 24995116.4/



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4243.325+/-568.755 χ^2/NDF: 25.7/28

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

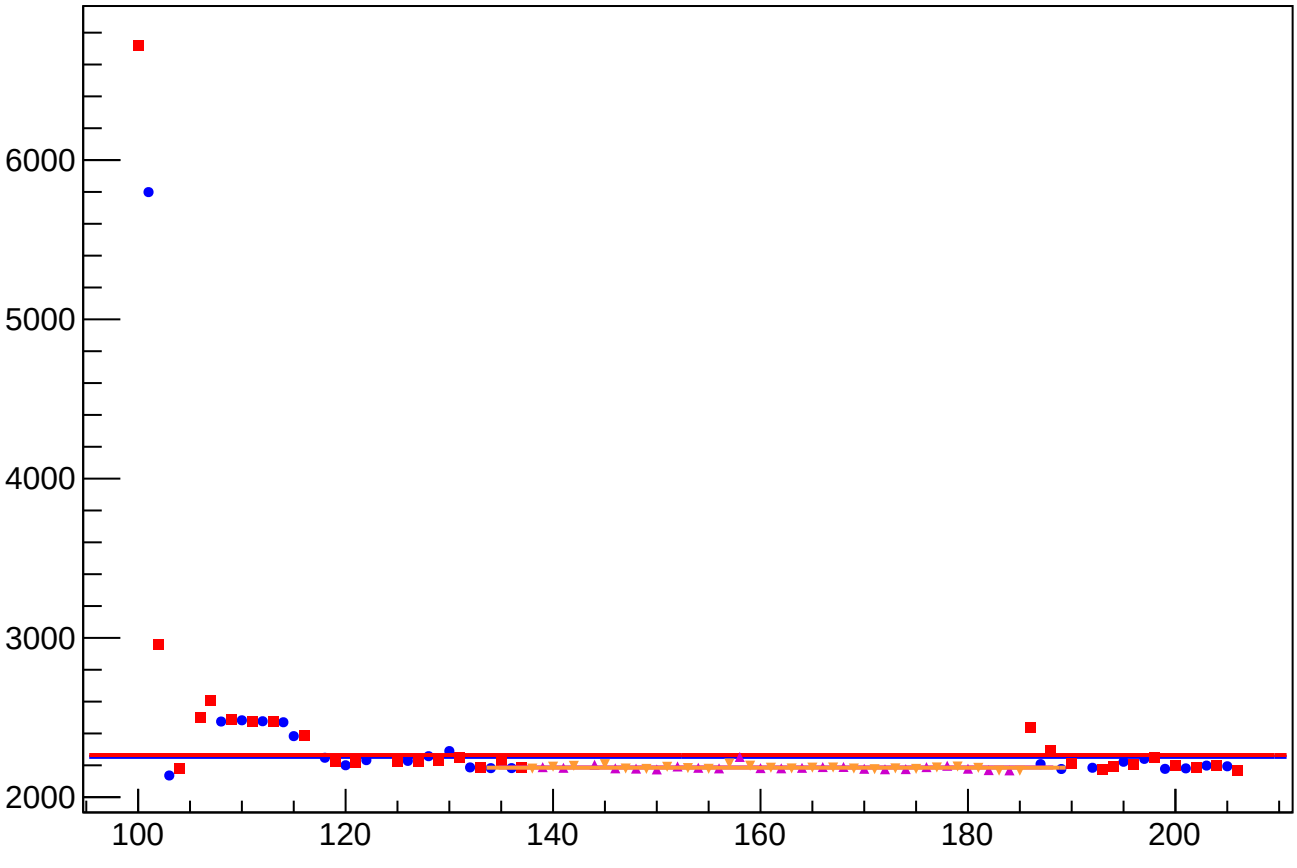
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4295.753+/-414.560 χ^2/NDF: 46.4/53

In: 4262.181+/-390.336 χ^2/NDF:52.8/47

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4103.208+/-271.737 χ^2/NDF: 104.7/100



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

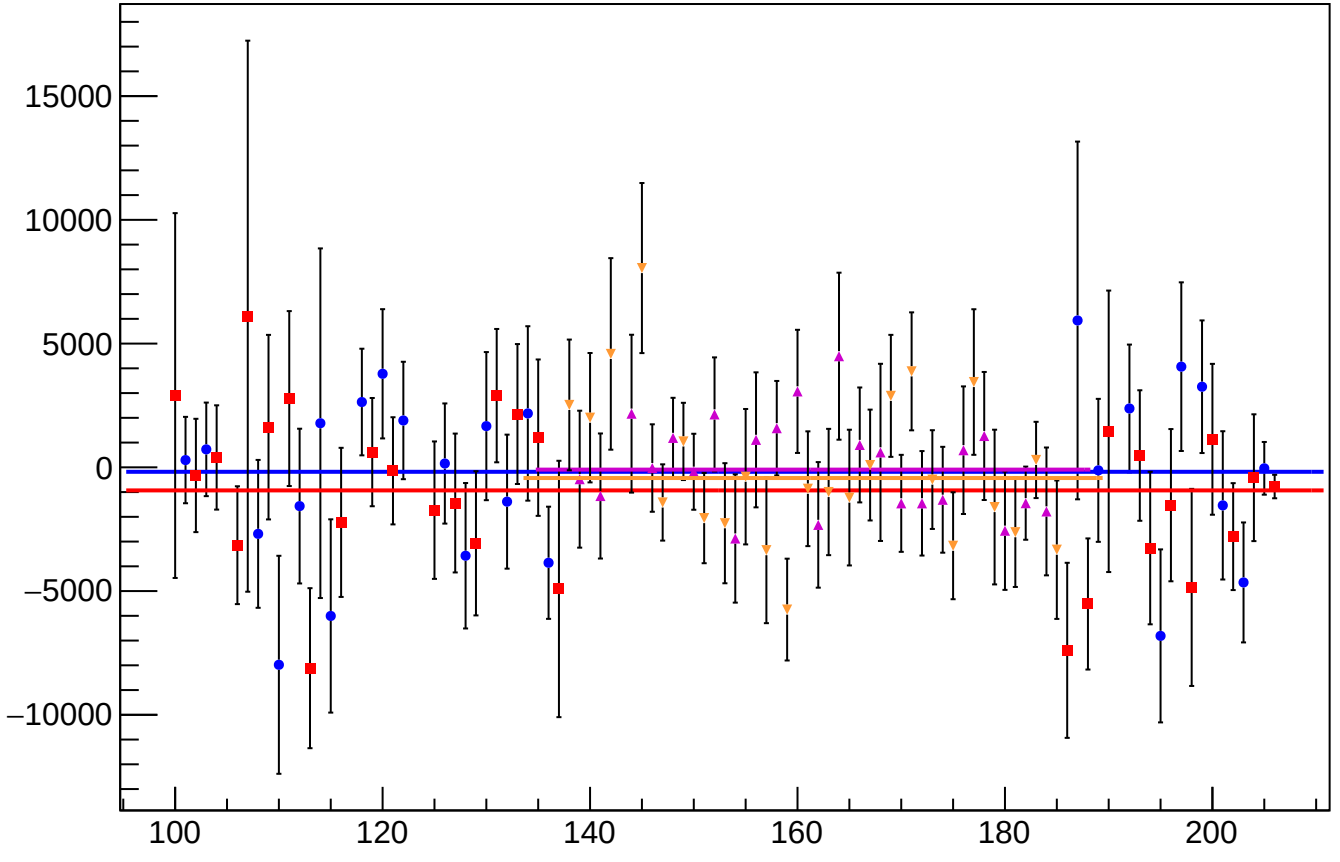
Right: 2259.179+/-0.293 χ^2/NDF: 715269.6/53

In: 2214.275+/-0.276 χ^2/NDF:547966.1/47

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2217.404+/-0.192 χ^2/NDF: 753767.2/100

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

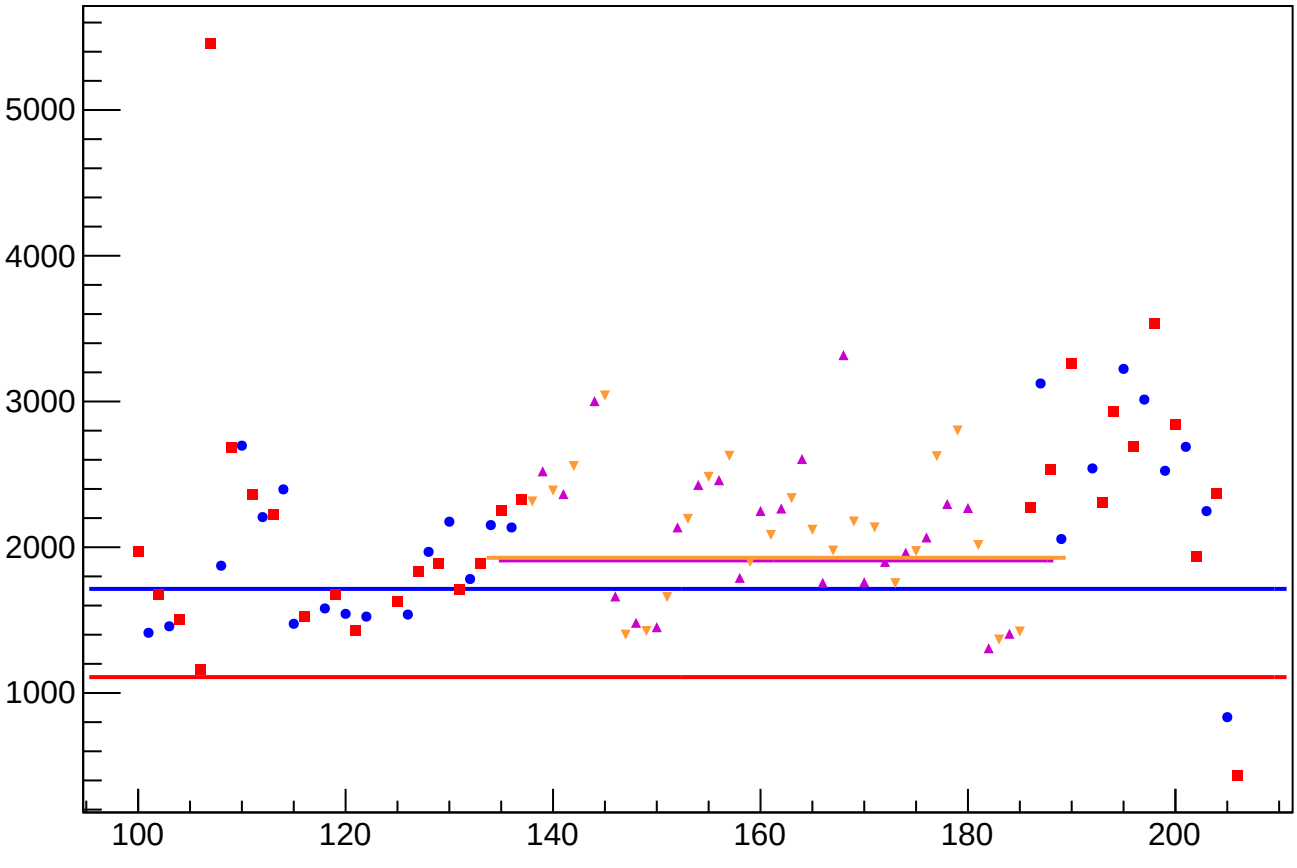
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -673.912+/-290.717 χ^2/NDF: 54.0/53

In: -133.314+/-337.484 χ^2/NDF:41.3/47

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -491.587+/-217.076 χ^2/NDF: 99.2/100



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

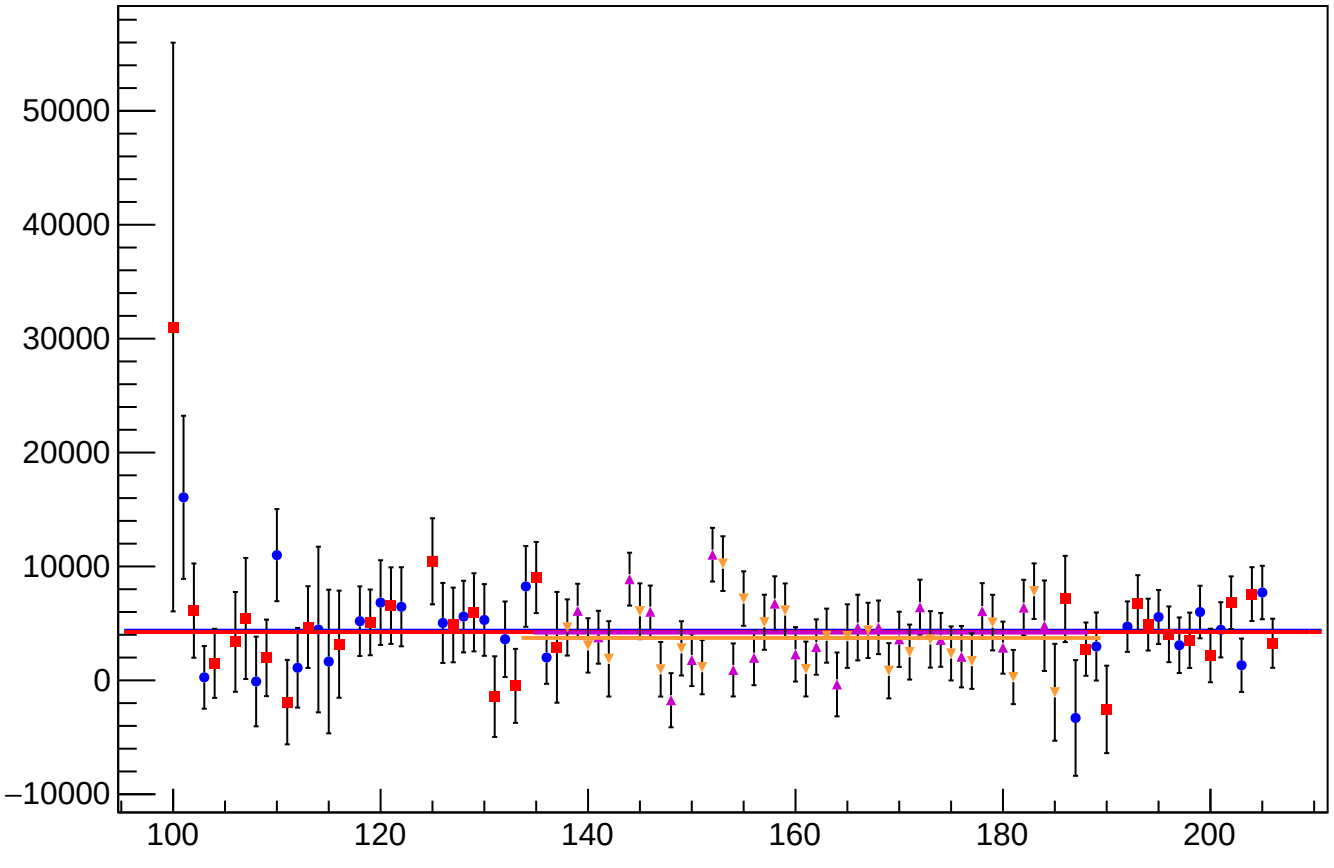
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1317.080+/-0.206 χ^2/NDF: 16798372.3/53

In: 1819.100+/-0.239 χ^2/NDF:5420035.0/47

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1583.225+/-0.153 χ^2/NDF: 24329041.8/1



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4243.325+/-568.755 χ^2/NDF: 25.7/28

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

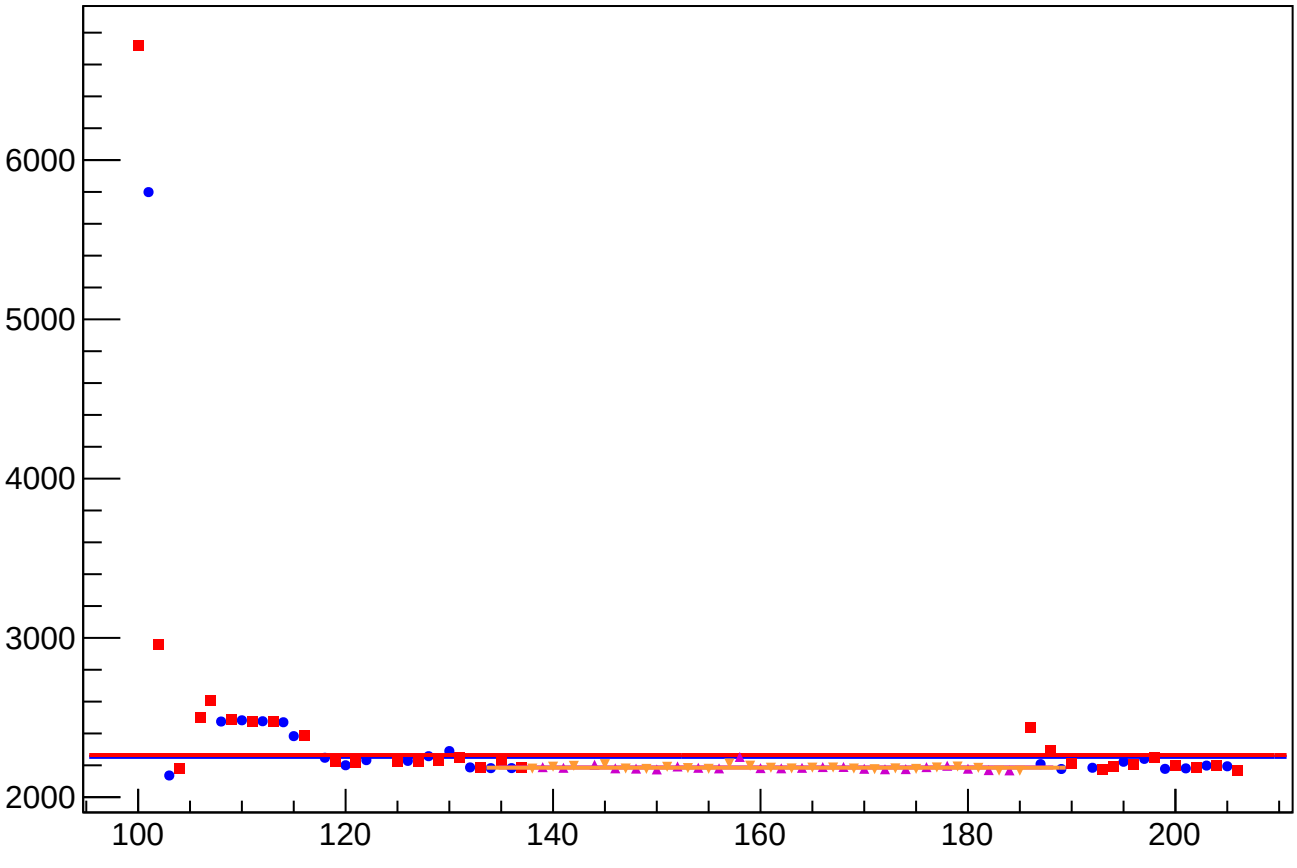
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4295.753+/-414.560 χ^2/NDF: 46.4/53

In: 4262.181+/-390.336 χ^2/NDF:52.8/47

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4103.208+/-271.737 χ^2/NDF: 104.7/100



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

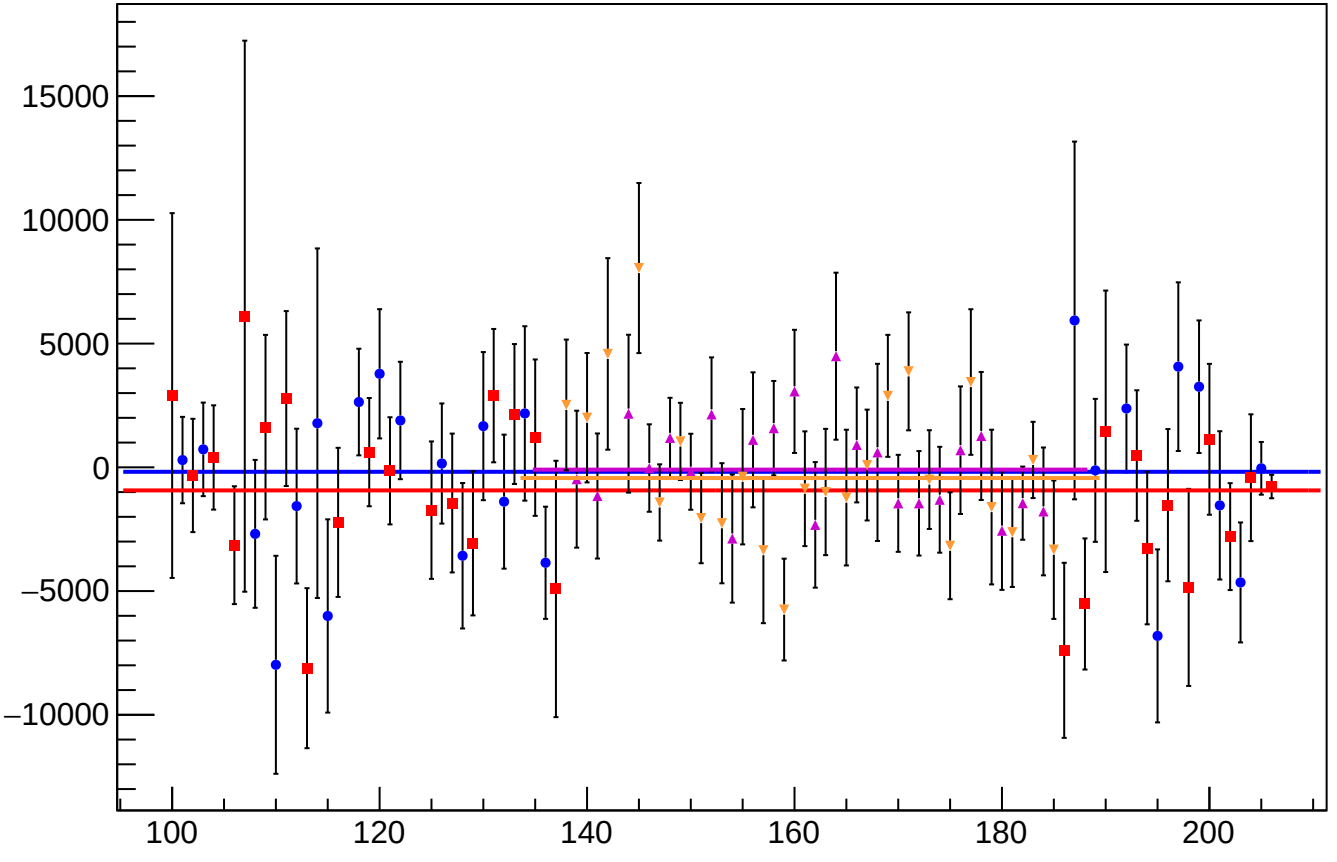
Right: 2259.179+/-0.293 χ^2/NDF: 715269.6/53

In: 2214.275+/-0.276 χ^2/NDF:547966.1/47

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2217.404+/-0.192 χ^2/NDF: 753767.2/100

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

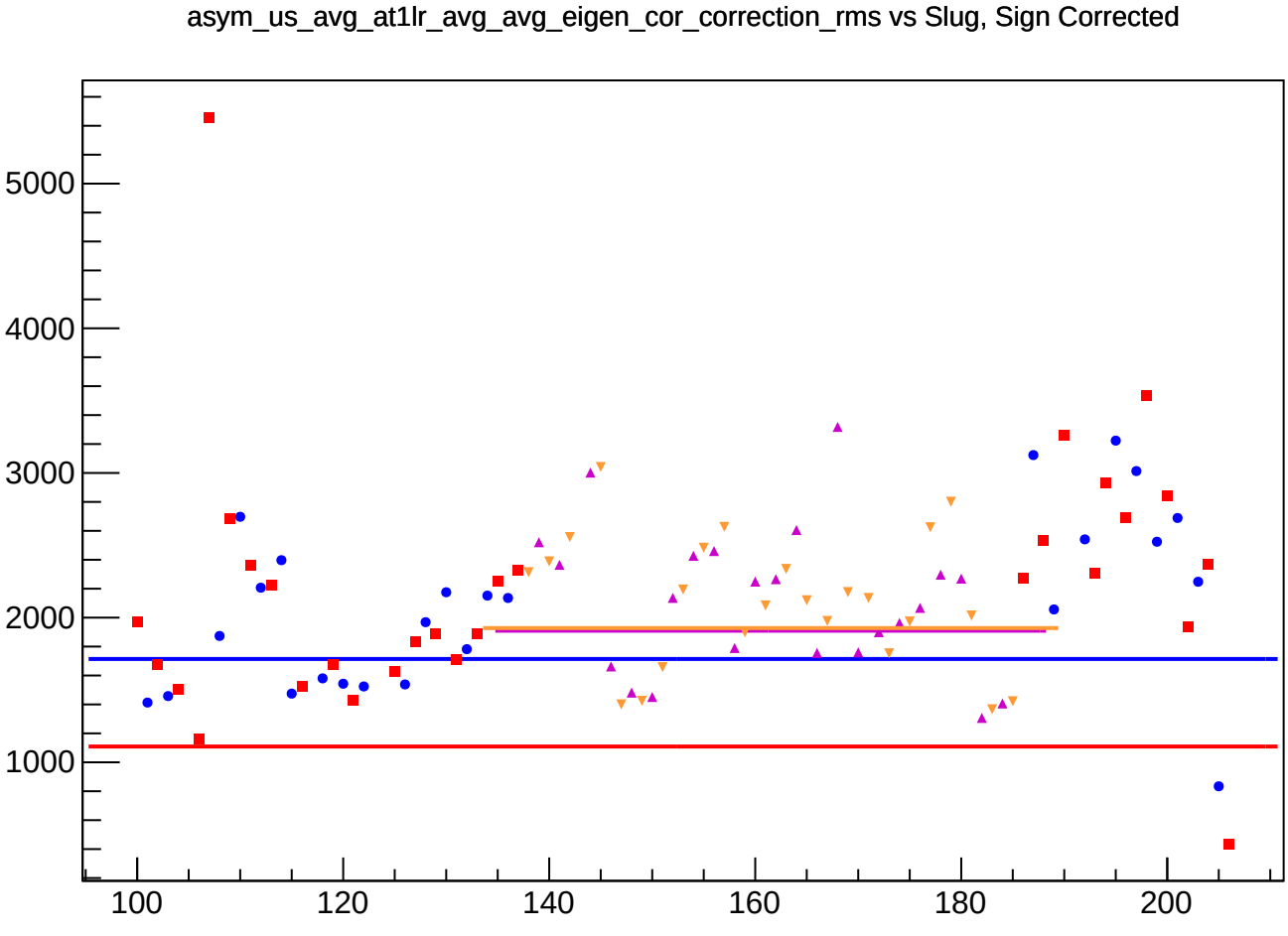
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -673.912+/-290.717 χ^2/NDF: 54.0/53

In: -133.314+/-337.484 χ^2/NDF:41.3/47

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -491.587+/-217.076 χ^2/NDF: 99.2/100



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

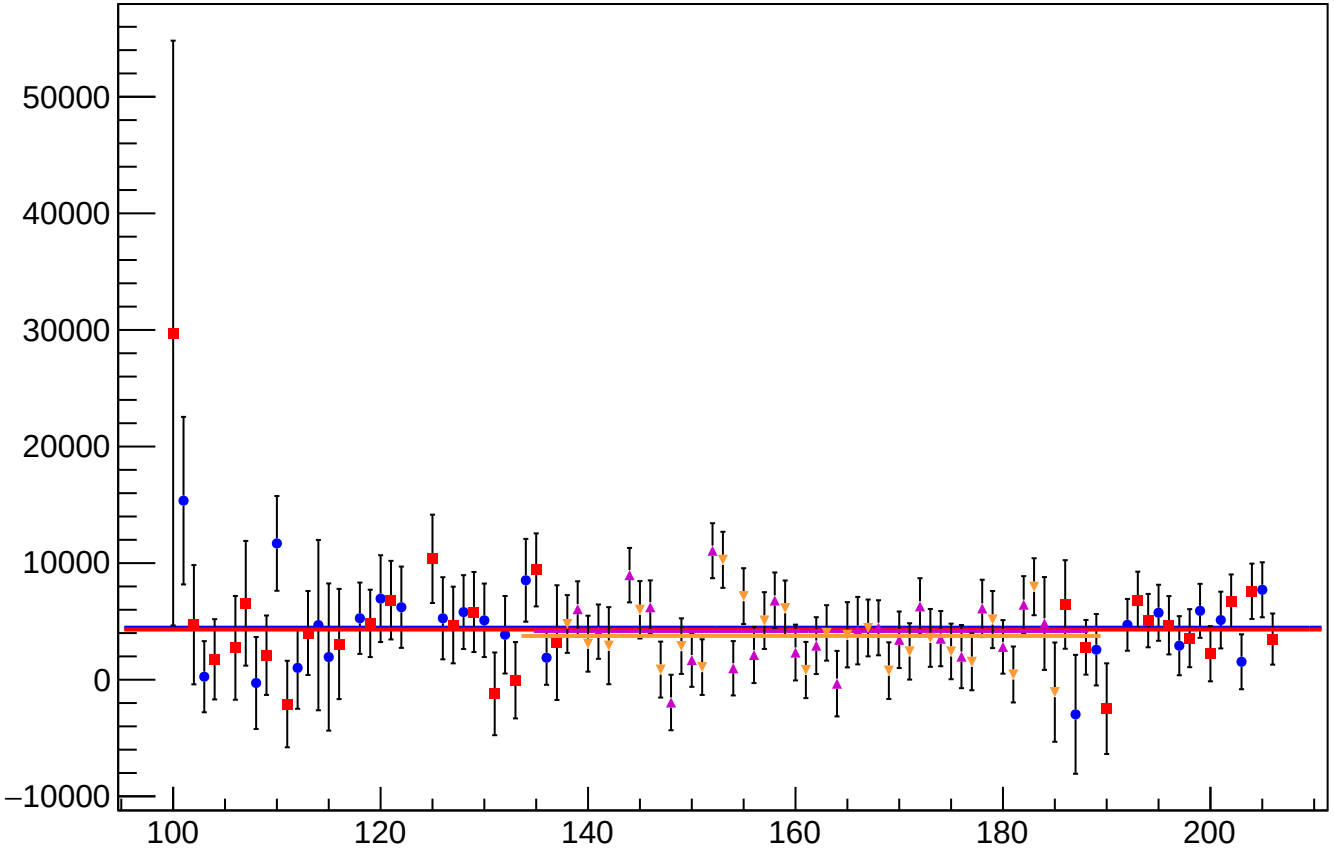
Right: 1317.080+/-0.206 χ^2/NDF: 16798372.3/53

In: 1819.100+/-0.239 χ^2/NDF:5420035.0/47

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1583.225+/-0.153 χ^2/NDF: 24329041.8/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4462.653+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4304.223+/-577.505 χ^2/NDF: 24.5/28

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

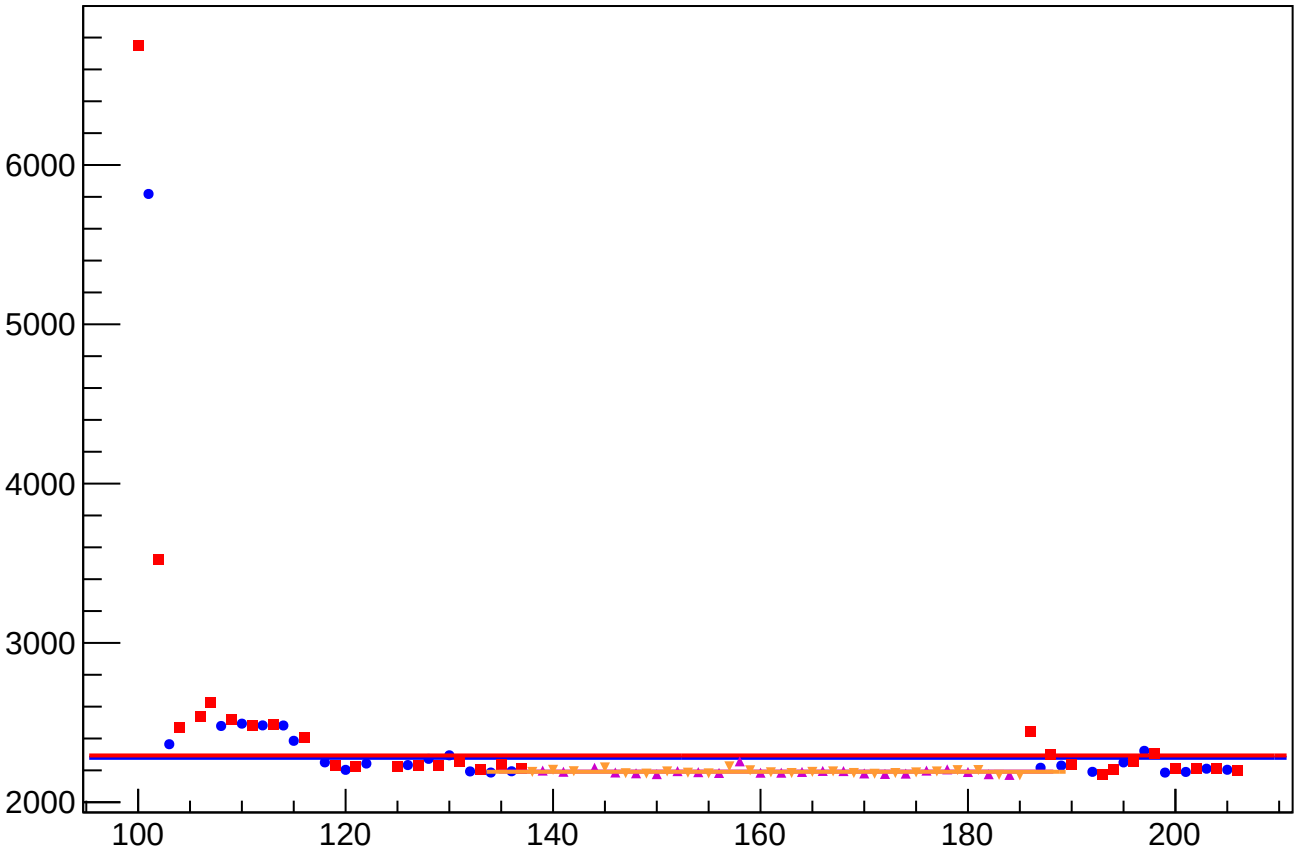
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4378.778+/-420.197 χ^2/NDF: 45.1/53

In: 4298.701+/-392.778 χ^2/NDF:53.4/47

Out: 3994.364+/-381.670 χ^2/NDF:50.6/52

All: 4142.168+/-273.724 χ^2/NDF: 104.4/100



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.8/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2293.546+/-0.408 χ^2/NDF: 247057.4/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

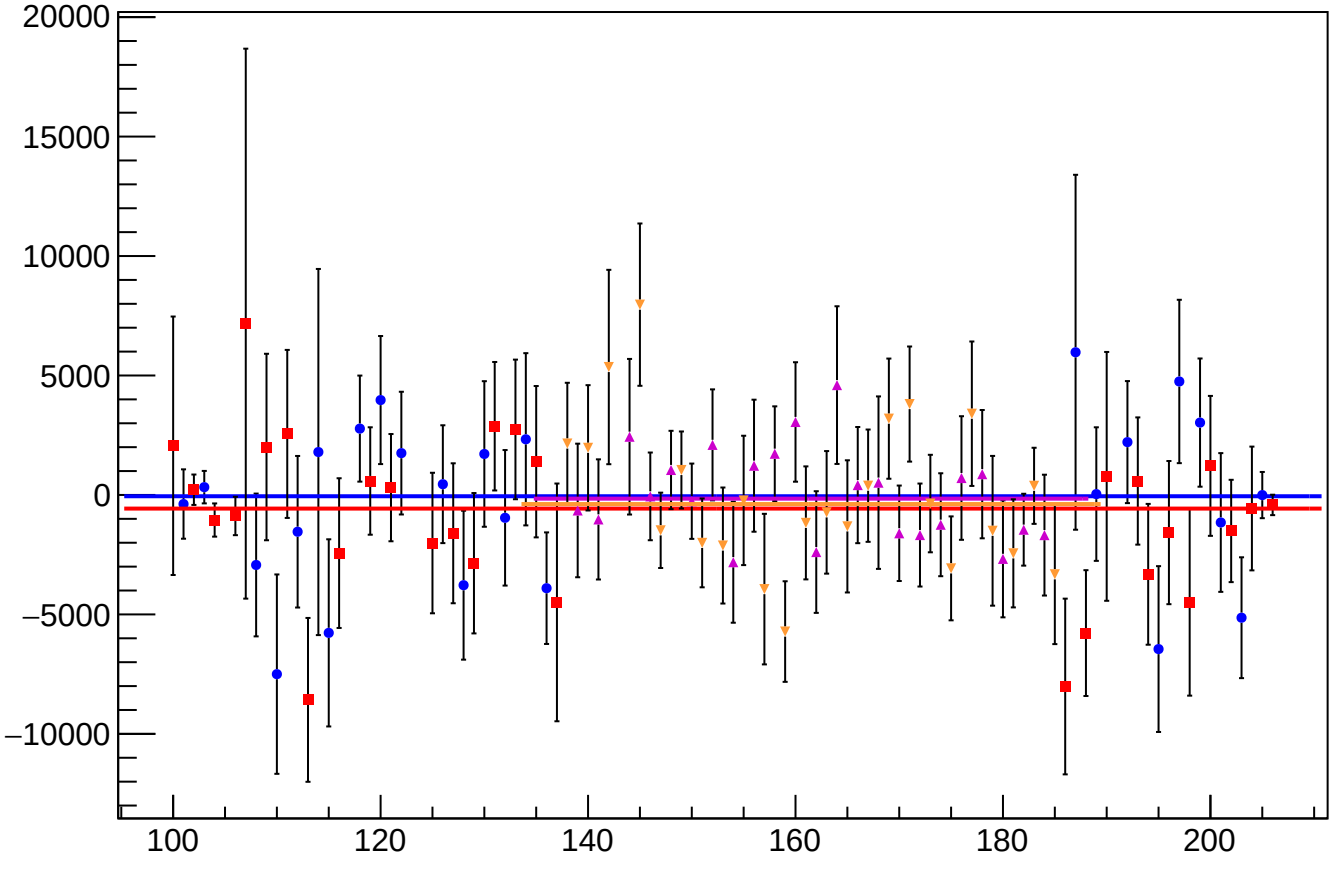
Right: 2286.582+/-0.297 χ^2/NDF: 775441.2/53

In: 2227.787+/-0.278 χ^2/NDF:553557.5/47

Out: 2235.873+/-0.270 χ^2/NDF:283701.7/52

All: 2231.946+/-0.194 χ^2/NDF: 837695.2/100

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.063+/-401.739 χ^2/NDF: 28.6/24

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -570.672+/-264.902 χ^2/NDF: 26.2/28

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

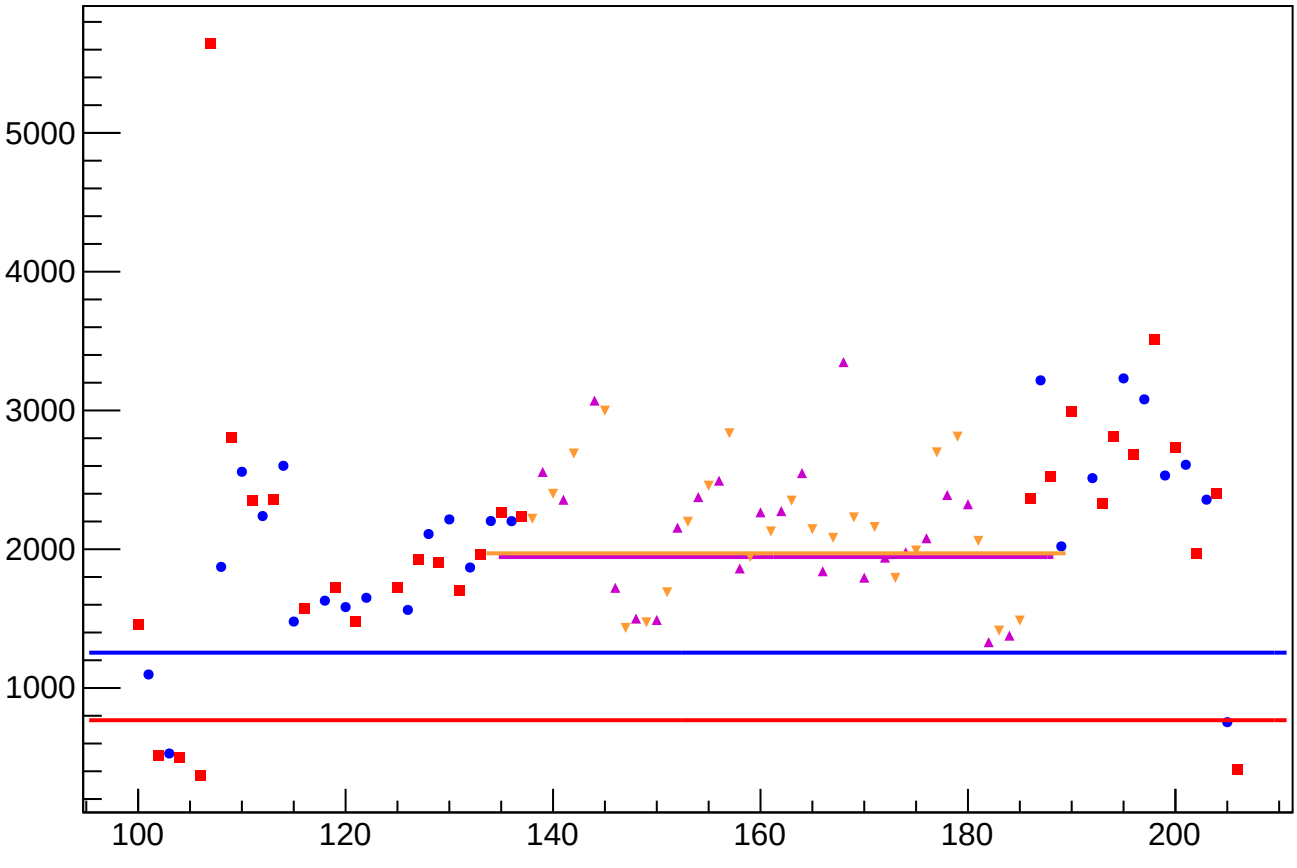
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -414.121+/-221.152 χ^2/NDF: 56.0/53

In: -96.679+/-304.831 χ^2/NDF:41.5/47

Out: -525.040+/-230.946 χ^2/NDF:57.0/52

All: -368.829+/-184.081 χ^2/NDF: 99.8/100



Right In: 1254.656+/-0.284 χ^2/NDF: 7726290.8/24

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 767.806+/-0.187 χ^2/NDF: 14392713.8/28

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

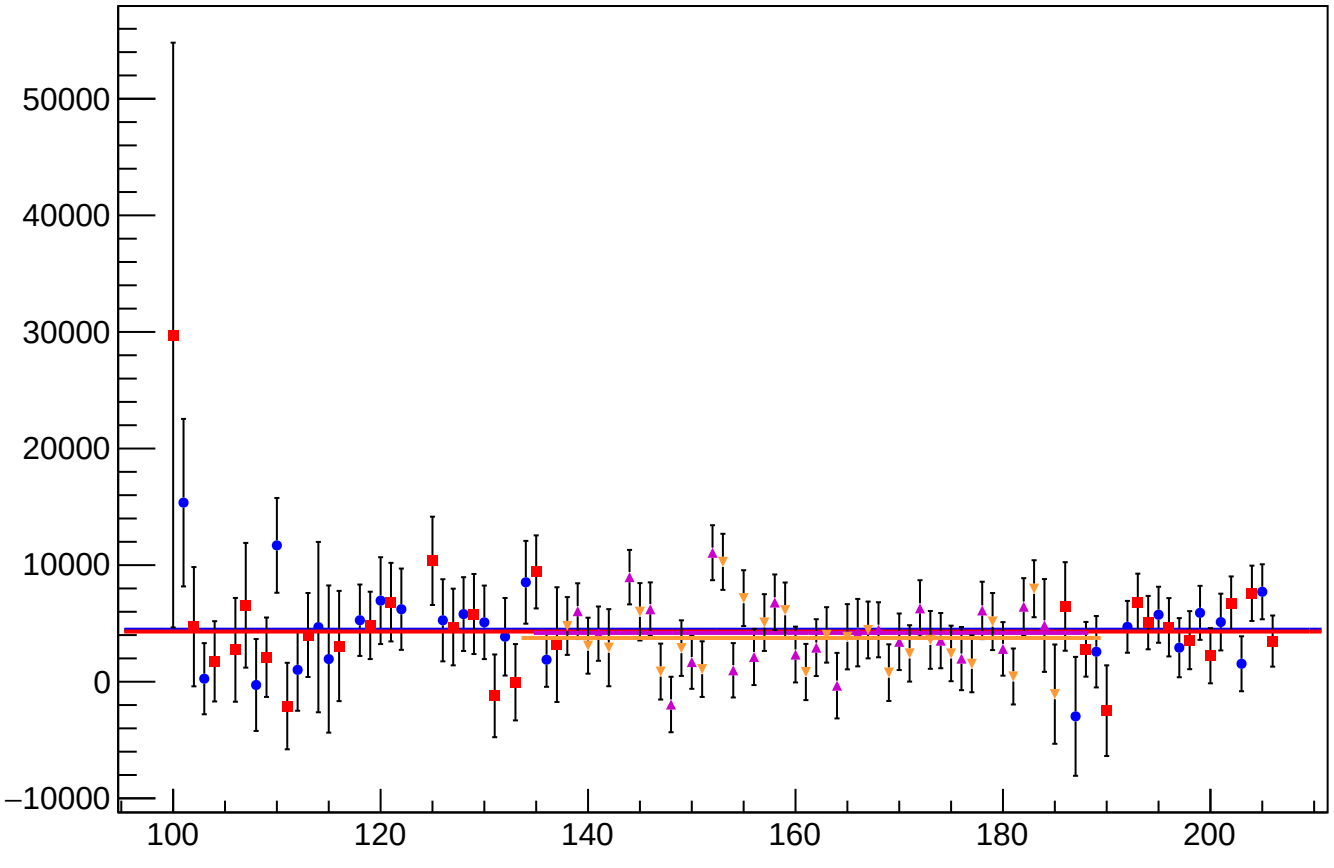
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 915.339+/-0.156 χ^2/NDF: 24166124.9/53

In: 1546.956+/-0.216 χ^2/NDF:12104809.2/47

Out: 1056.412+/-0.163 χ^2/NDF:25983441.4/52

All: 1235.300+/-0.130 χ^2/NDF: 41378781.4/



Right In: 4462.651+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4304.218+/-577.505 χ^2/NDF: 24.5/28

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

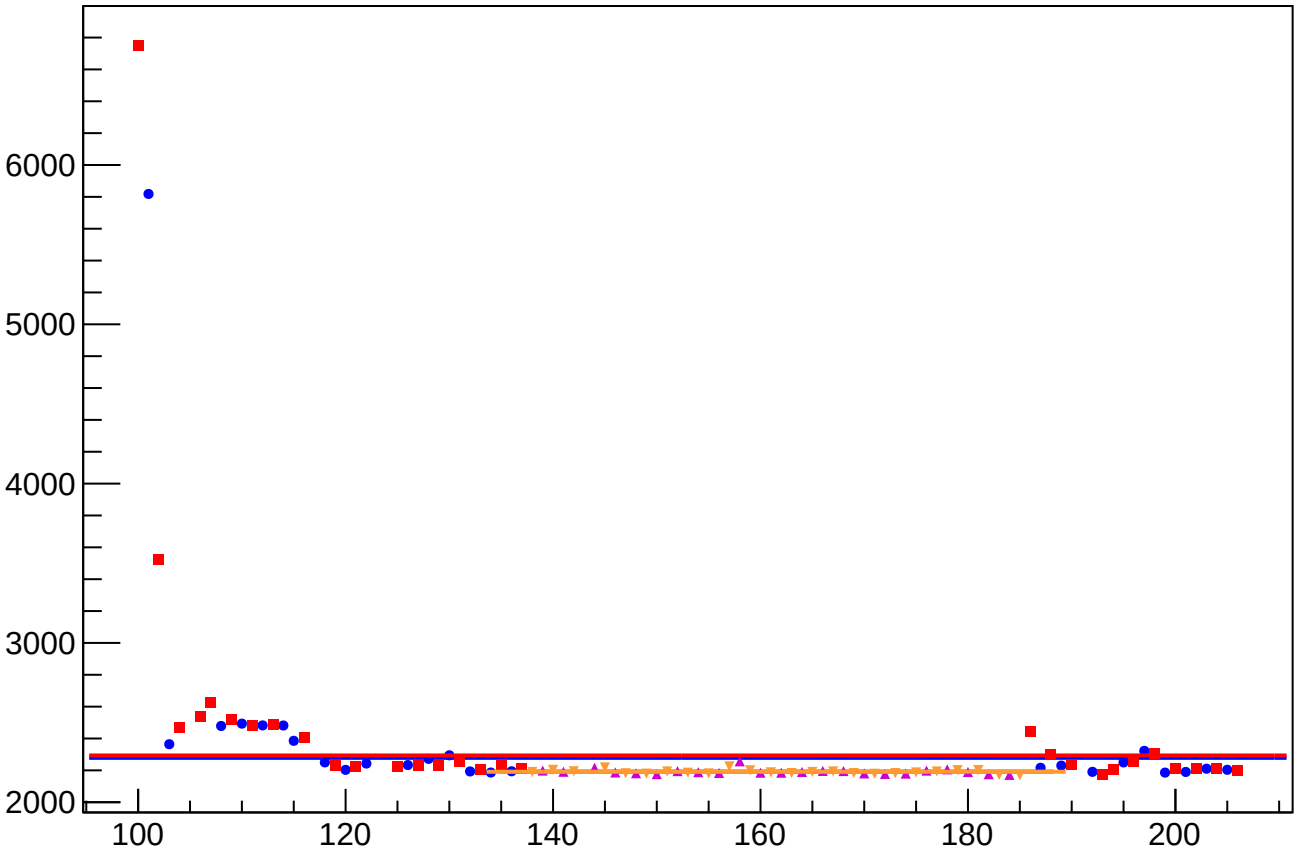
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4378.774+/-420.197 χ^2/NDF: 45.1/53

In: 4298.700+/-392.778 χ^2/NDF:53.4/47

Out: 3994.361+/-381.670 χ^2/NDF:50.6/52

All: 4142.166+/-273.724 χ^2/NDF: 104.4/100



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.7/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2293.546+/-0.408 χ^2/NDF: 247056.2/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

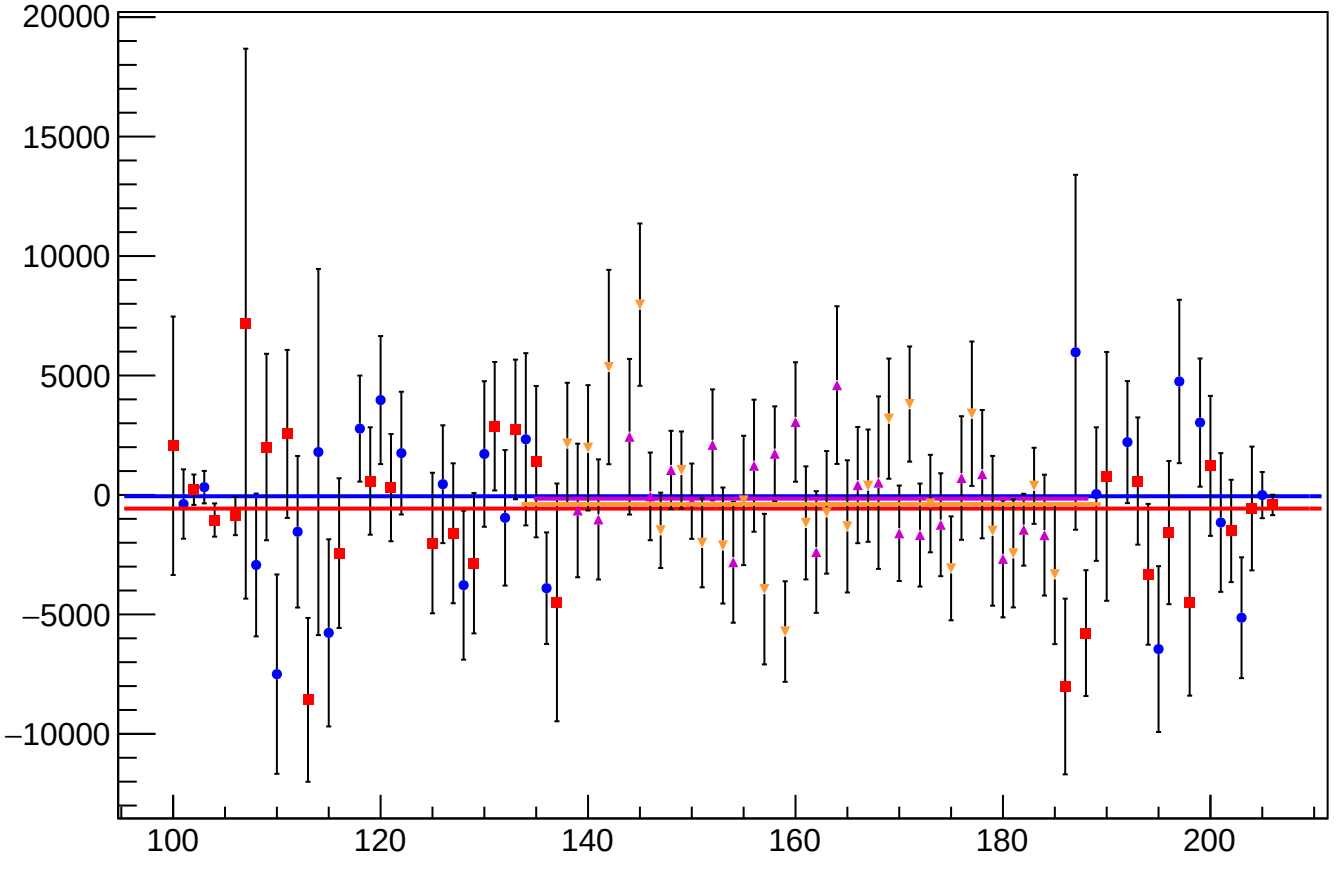
Right: 2286.582+/-0.297 χ^2/NDF: 775439.8/53

In: 2227.787+/-0.278 χ^2/NDF:553557.3/47

Out: 2235.873+/-0.270 χ^2/NDF:283700.3/52

All: 2231.946+/-0.194 χ^2/NDF: 837693.5/100

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.068+/-401.741 χ^2/NDF: 28.6/24

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -570.670+/-264.903 χ^2/NDF: 26.2/28

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

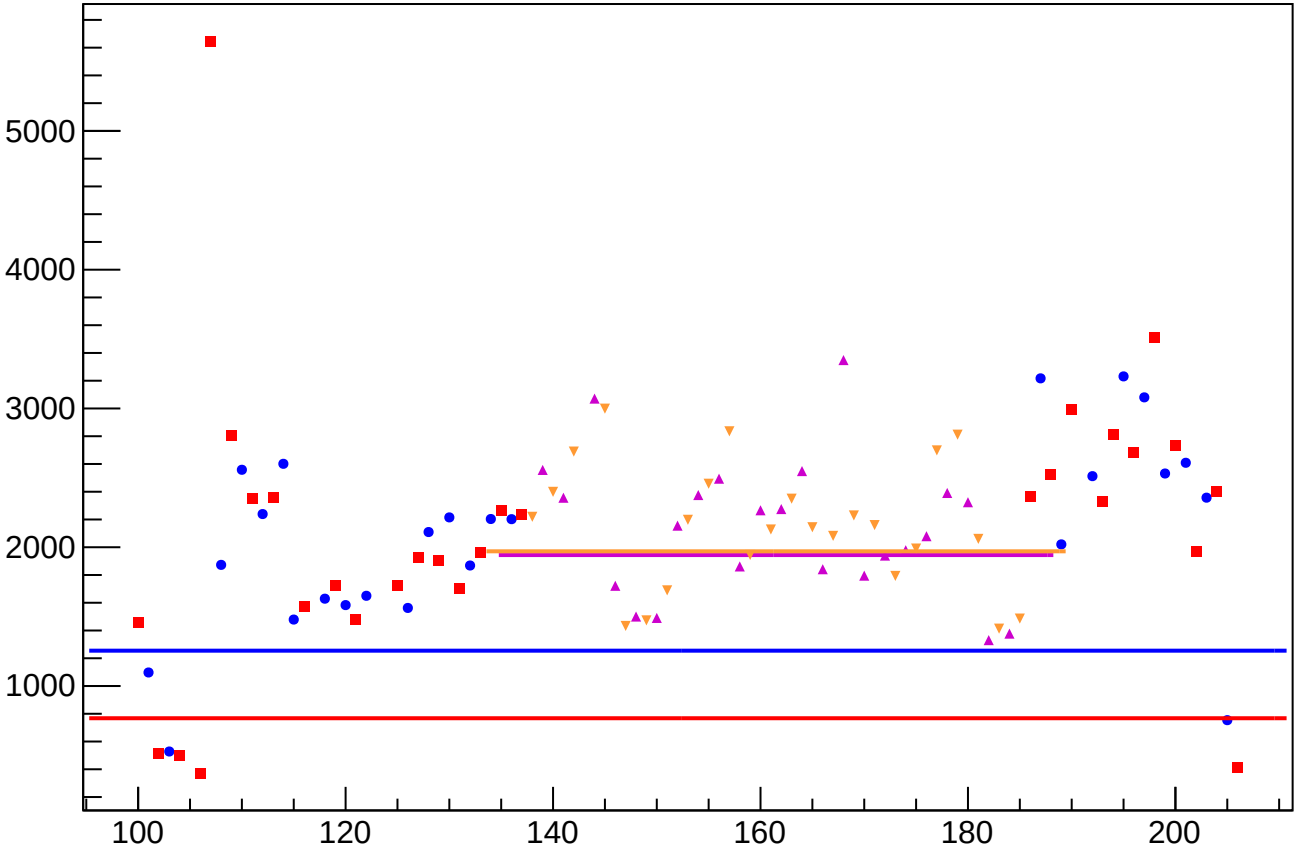
Right: -414.121+/-221.153 χ^2/NDF: 56.0/53

In: -96.682+/-304.832 χ^2/NDF:41.5/47

Out: -525.039+/-230.947 χ^2/NDF:57.0/52

All: -368.829+/-184.082 χ^2/NDF: 99.8/100

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1254.665+/-0.284 χ^2/NDF: 7726185.6/24

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 767.811+/-0.187 χ^2/NDF: 14392649.5/28

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

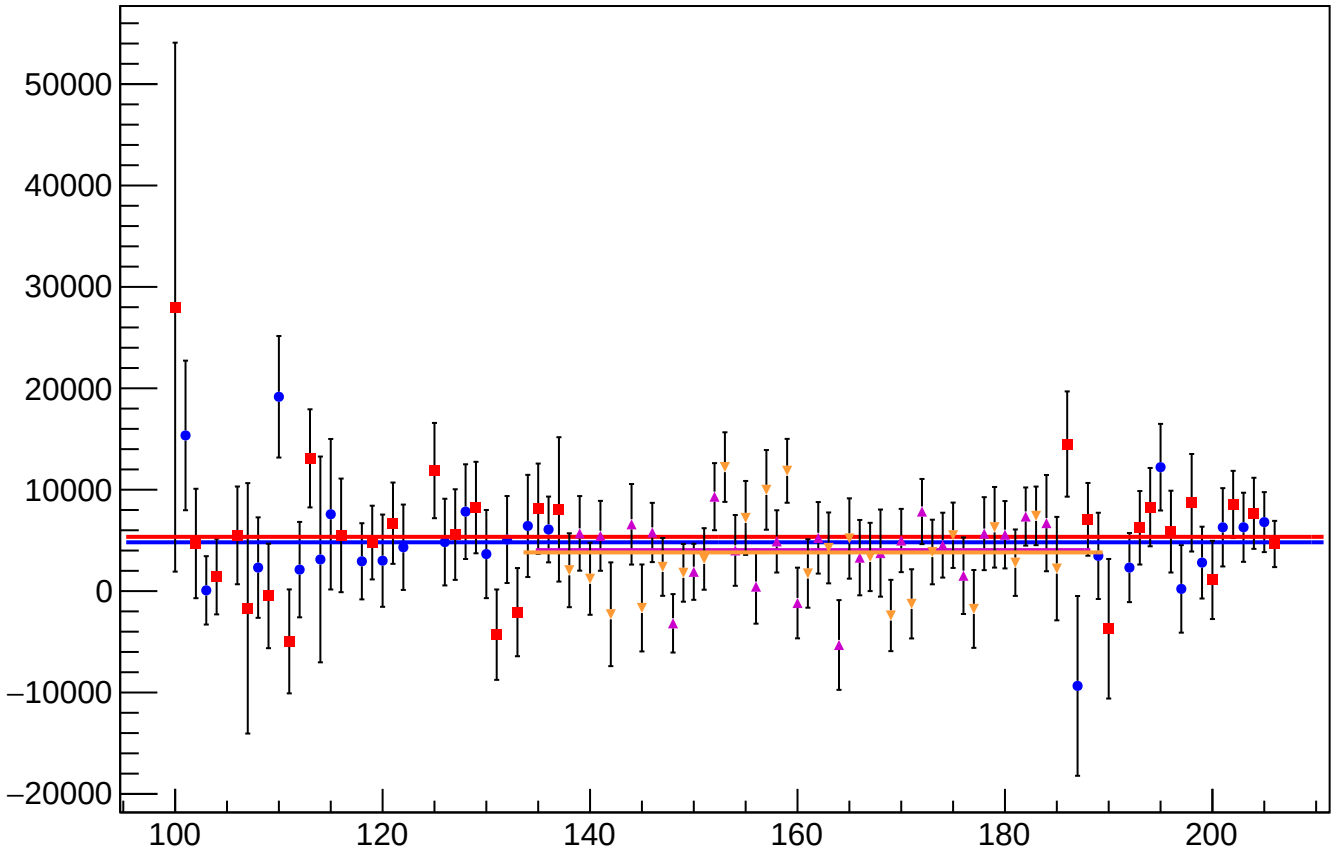
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 915.345+/-0.156 χ^2/NDF: 24165975.6/53

In: 1546.964+/-0.216 χ^2/NDF:12104647.3/47

Out: 1056.418+/-0.163 χ^2/NDF:25983312.8/52

All: 1235.306+/-0.130 χ^2/NDF: 41378499.1/1



Right In: 4813.953+/-852.533 χ^2/NDF: 20.1/24

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5352.415+/-795.733 χ^2/NDF: 29.6/28

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

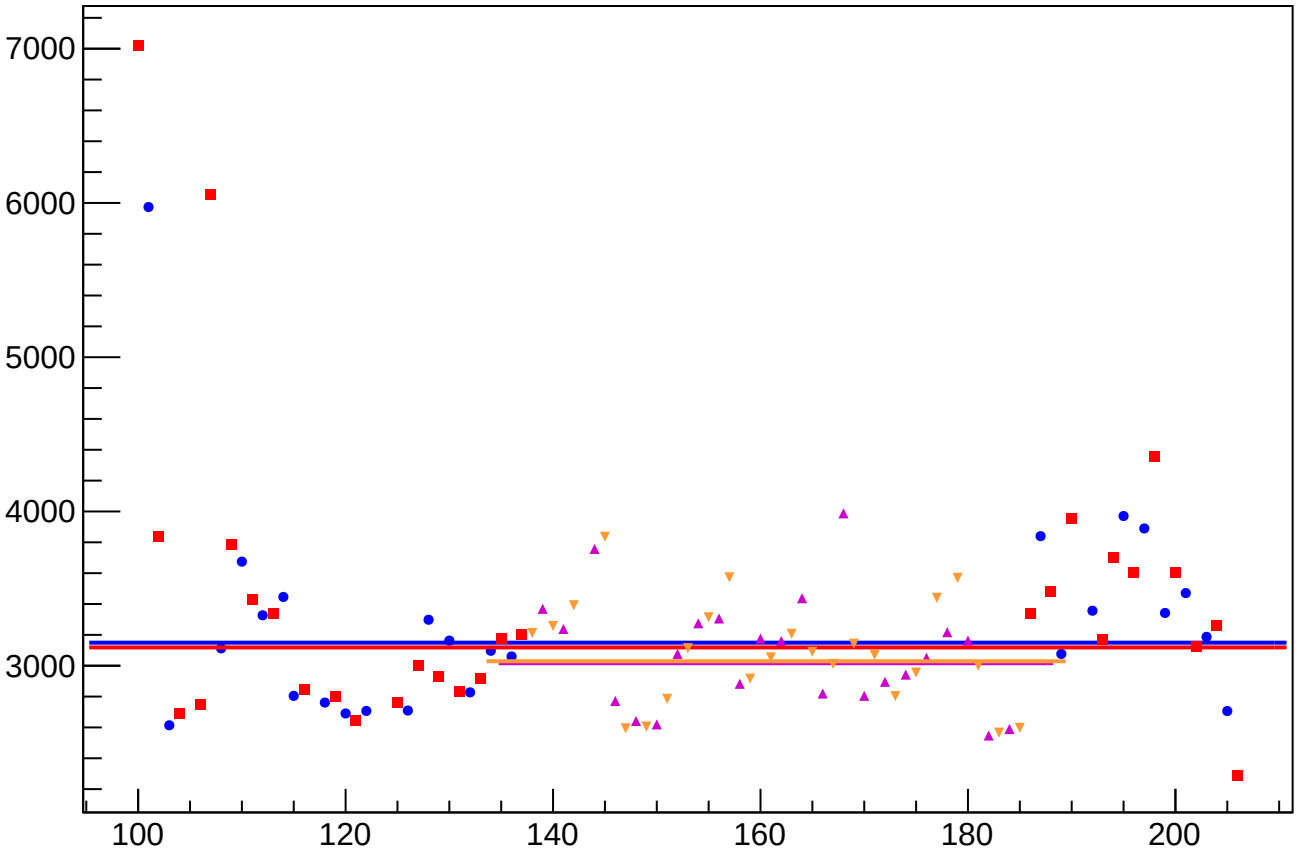
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 5101.718+/-581.712 χ^2/NDF: 49.9/53

In: 4358.165+/-545.383 χ^2/NDF:43.1/47

Out: 4496.231+/-529.071 χ^2/NDF:62.6/52

All: 4429.294+/-379.745 χ^2/NDF: 105.7/100



Right In: 3149.443+/-0.603 χ^2/NDF: 685941.1/24

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3118.645+/-0.563 χ^2/NDF: 914193.1/28

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

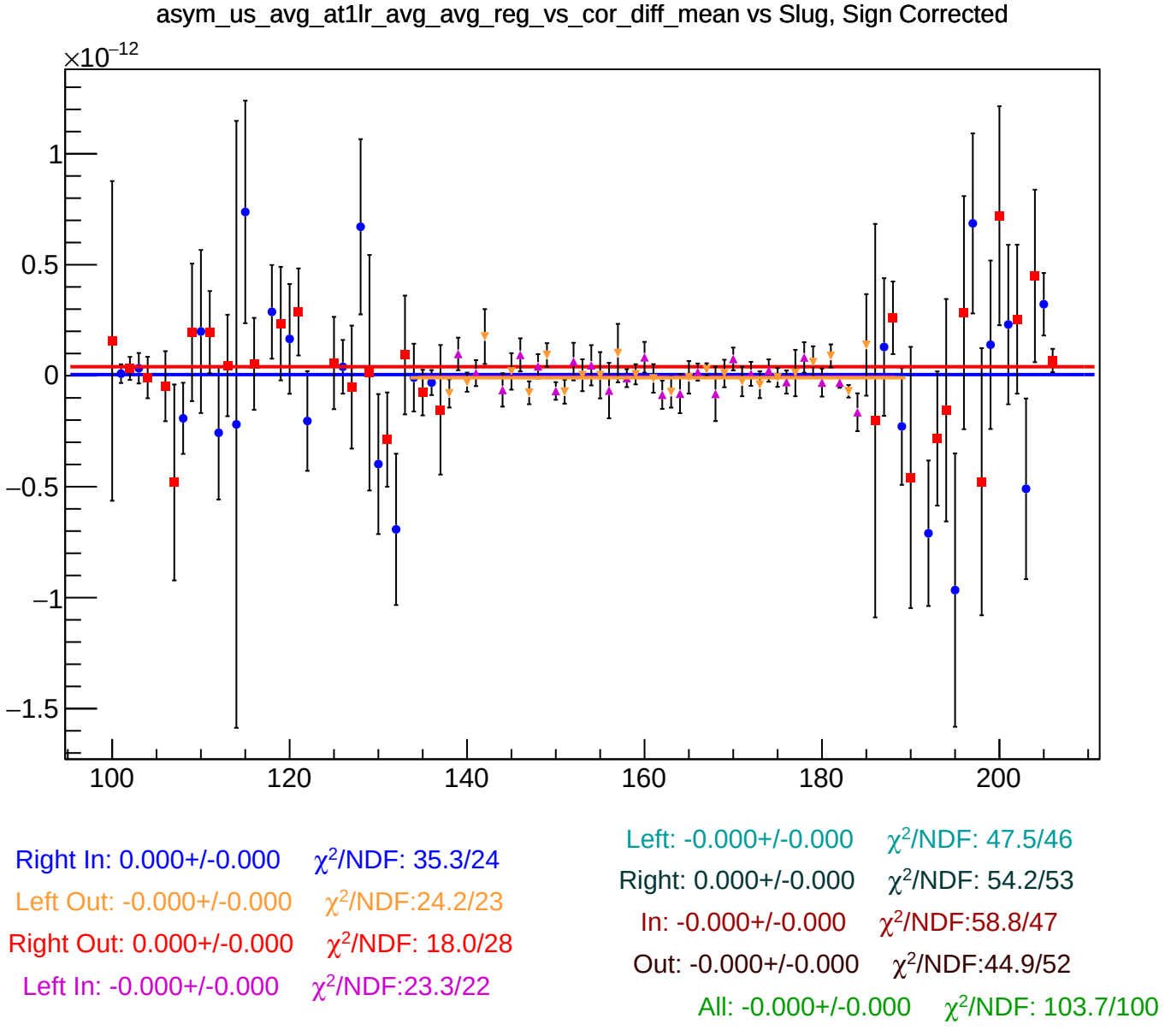
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3132.984+/-0.411 χ^2/NDF: 1601529.1/53

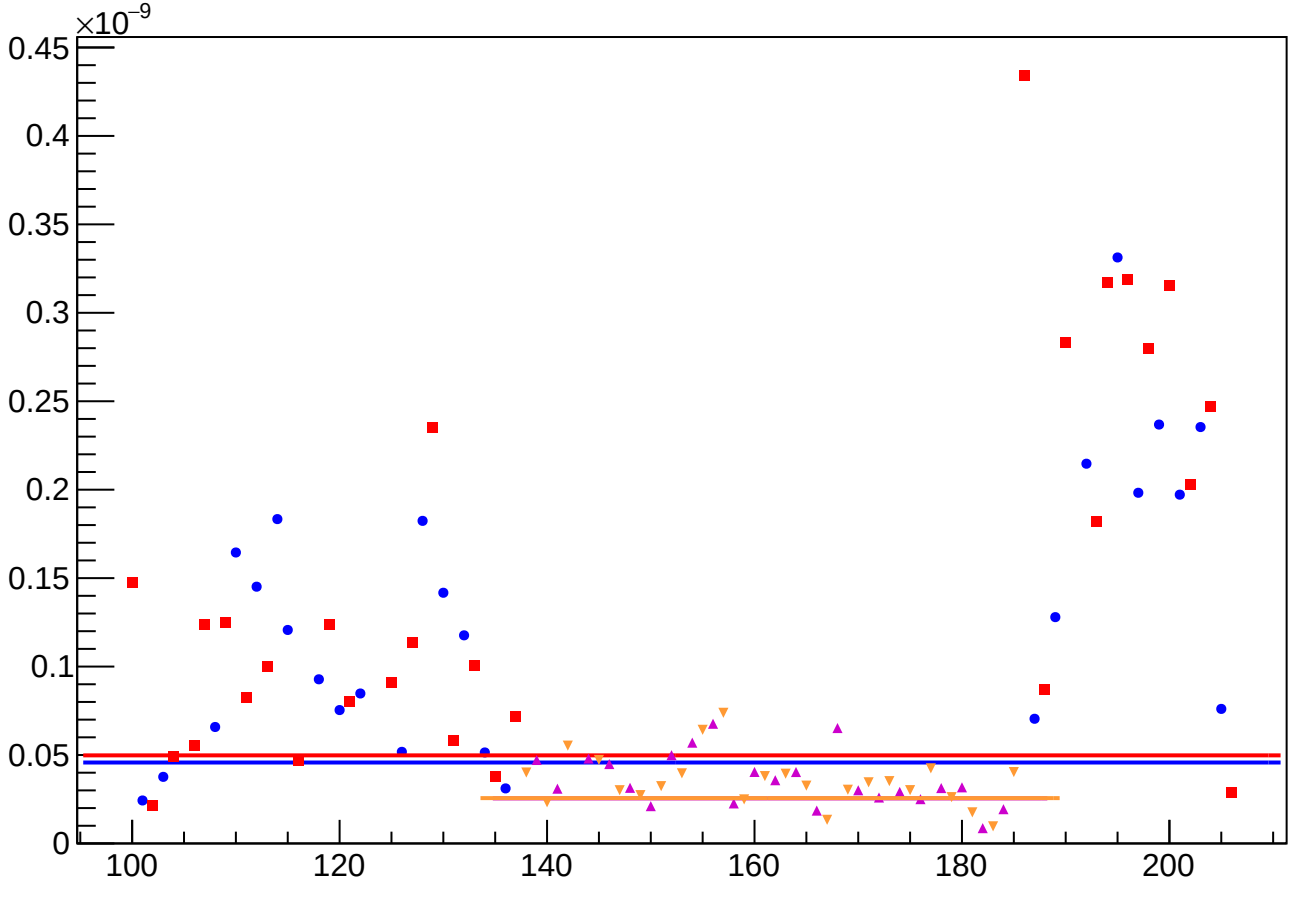
In: 3070.759+/-0.386 χ^2/NDF:1154677.1/47

Out: 3068.620+/-0.374 χ^2/NDF:1325471.6/52

All: 3069.657+/-0.269 χ^2/NDF: 2480164.5/10


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 35.3/24
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/28
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 54.2/53
In: -0.000+/-0.000 χ²/NDF:58.8/47
Out: -0.000+/-0.000 χ²/NDF:44.9/52
All: -0.000+/-0.000 χ²/NDF: 103.7/100

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4756024.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6116308.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

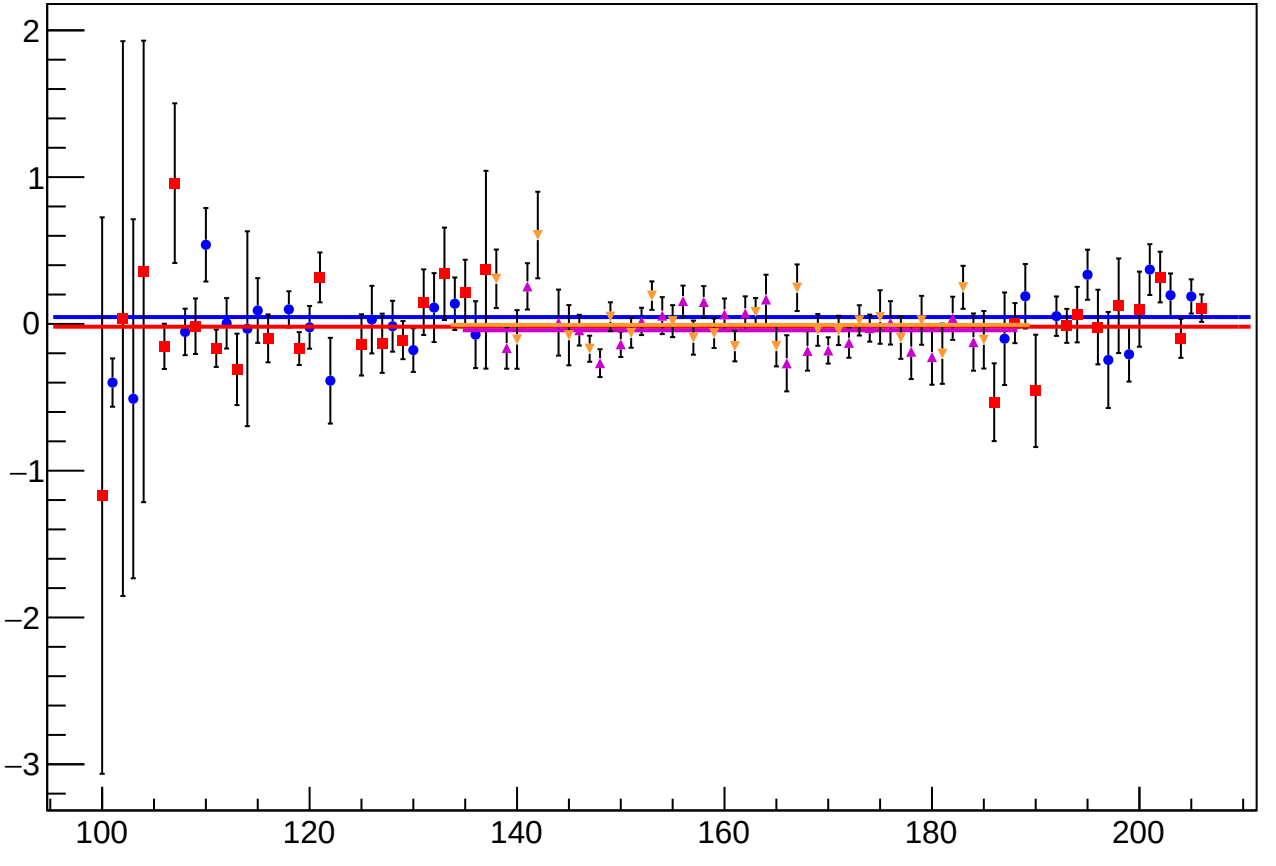
Right: 0.000+/-0.000 χ^2/NDF: 10894635.4/53

In: 0.000+/-0.000 χ^2/NDF:8582264.5/47

Out: 0.000+/-0.000 χ^2/NDF:9848689.6/52

All: 0.000+/-0.000 χ^2/NDF: 18432171.5/100

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

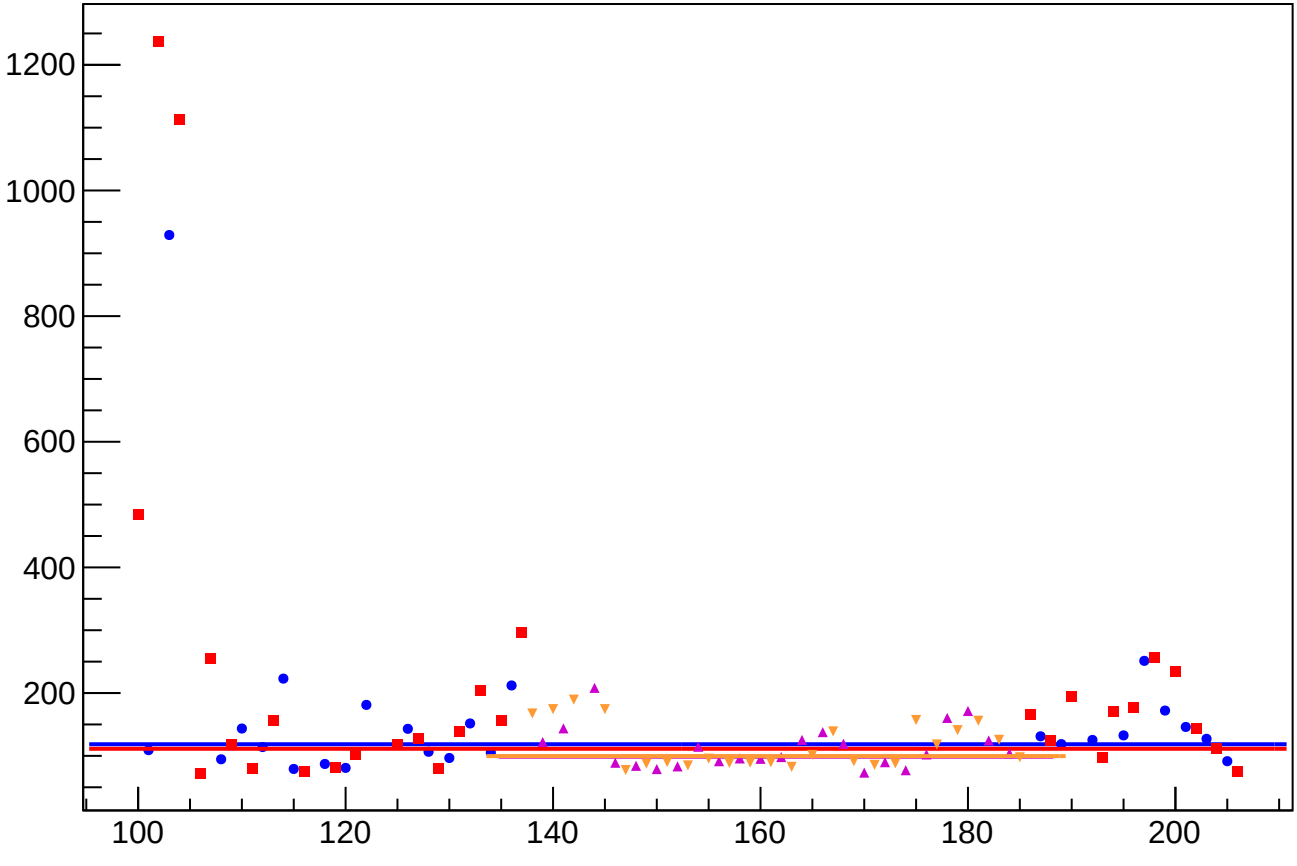
Right: 0.011+/-0.025 χ^2/NDF: 60.8/53

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.013+/-0.014 χ^2/NDF: 121.2/100

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

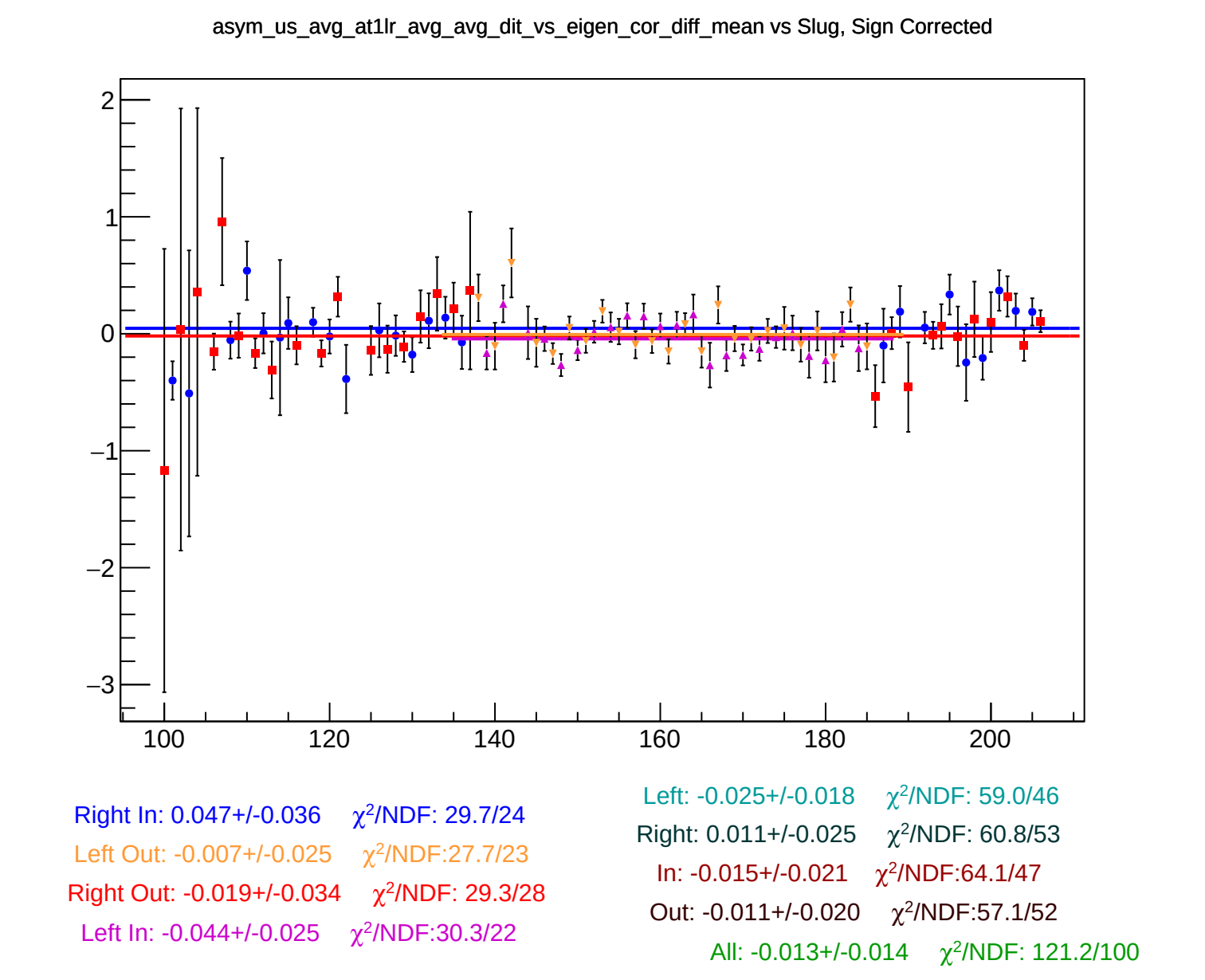
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 114.585+/-0.017 χ^2/NDF: 7285652.6/53

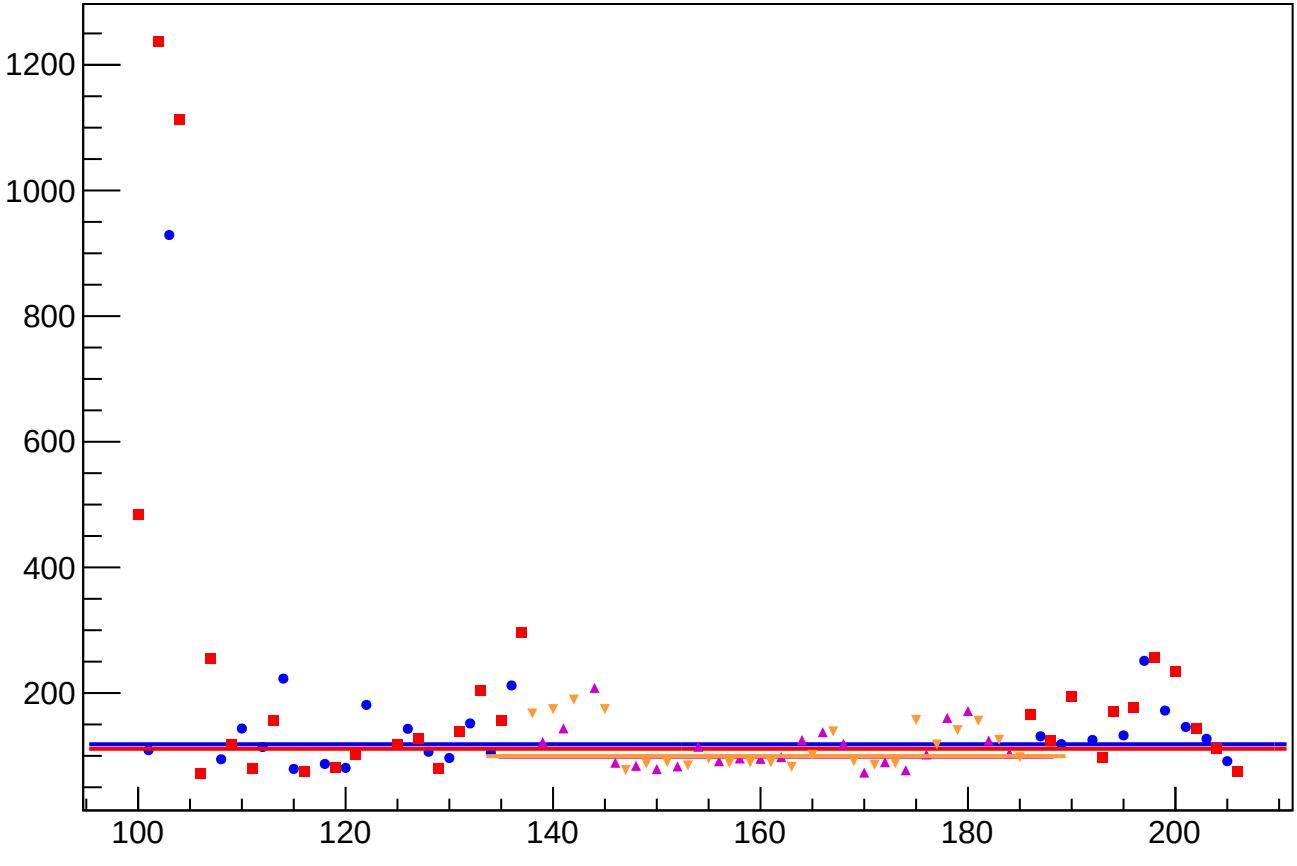
In: 105.029+/-0.015 χ^2/NDF:4970427.1/47

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 104.413+/-0.010 χ^2/NDF: 11876765.0/10


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.047+/-0.036 χ²/NDF: 29.7/24
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.019+/-0.034 χ²/NDF: 29.3/28
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: 0.011+/-0.025 χ²/NDF: 60.8/53
In: -0.015+/-0.021 χ²/NDF:64.1/47
Out: -0.011+/-0.020 χ²/NDF:57.1/52
All: -0.013+/-0.014 χ²/NDF: 121.2/100

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

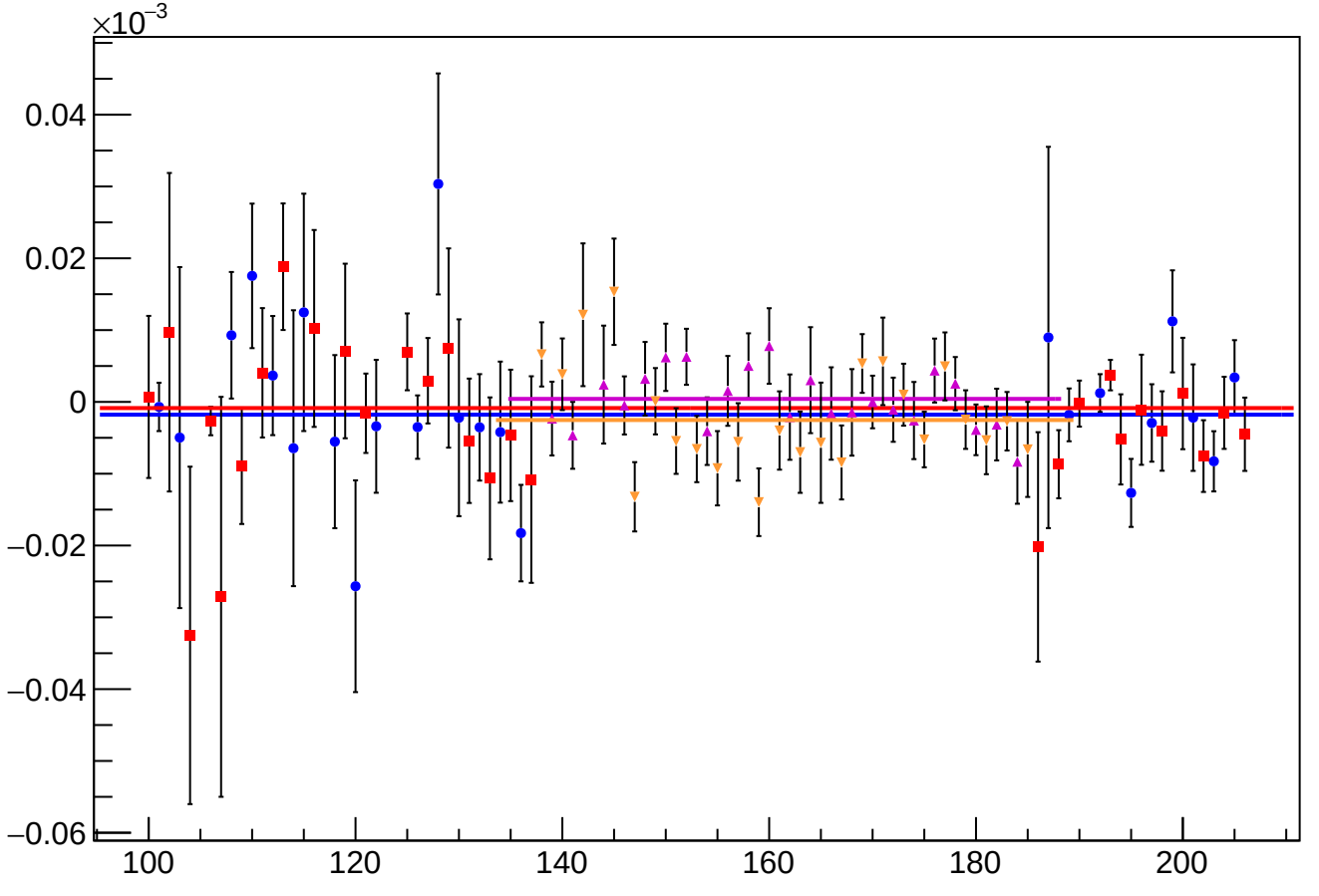
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 114.585+/-0.017 χ^2/NDF: 7285652.6/53

In: 105.029+/-0.015 χ^2/NDF:4970427.1/47

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 104.413+/-0.010 χ^2/NDF: 11876765.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/28

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

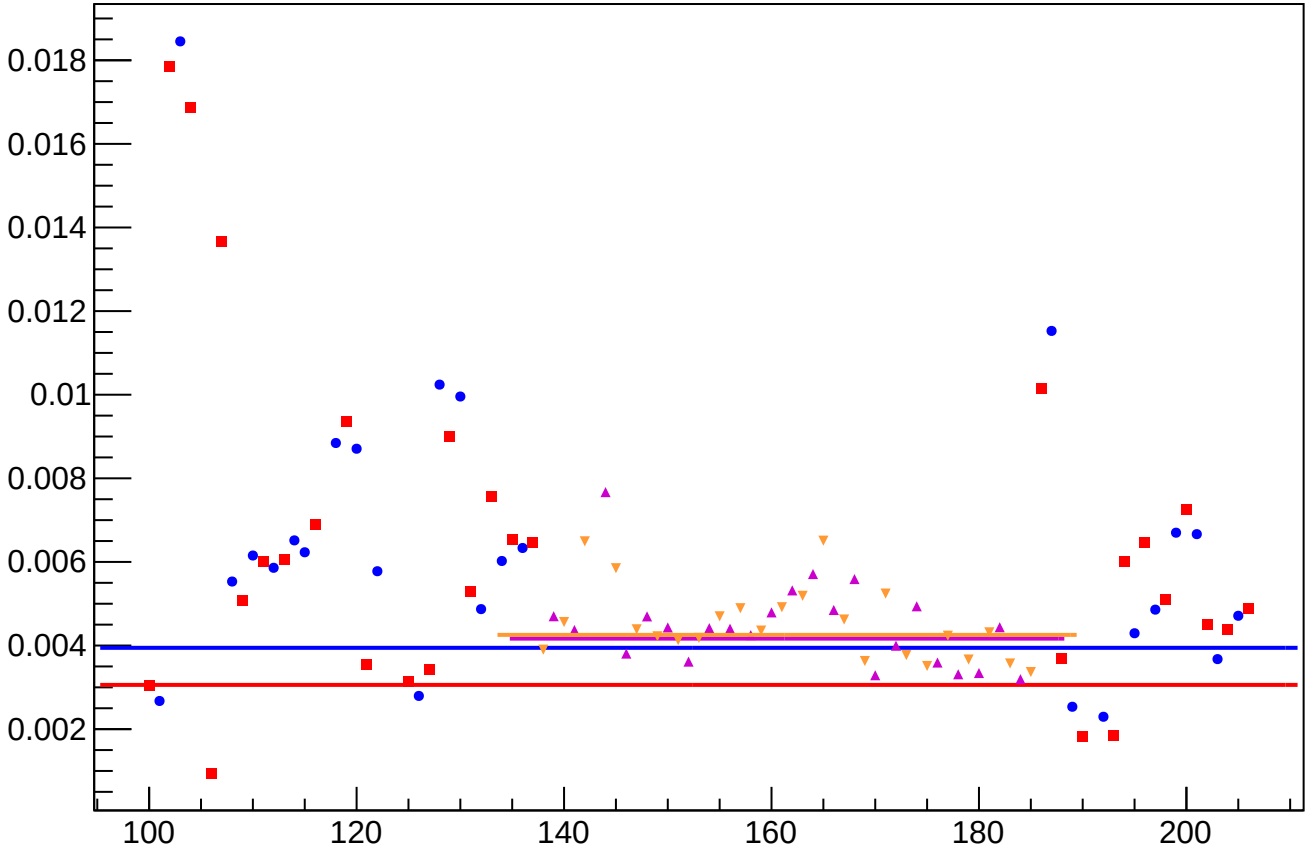
Right: -0.000+/-0.000 χ^2/NDF: 61.8/53

In: -0.000+/-0.000 χ^2/NDF:51.5/47

Out: -0.000+/-0.000 χ^2/NDF:69.4/52

All: -0.000+/-0.000 χ^2/NDF: 122.2/100

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5148117.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10291333.0/28

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

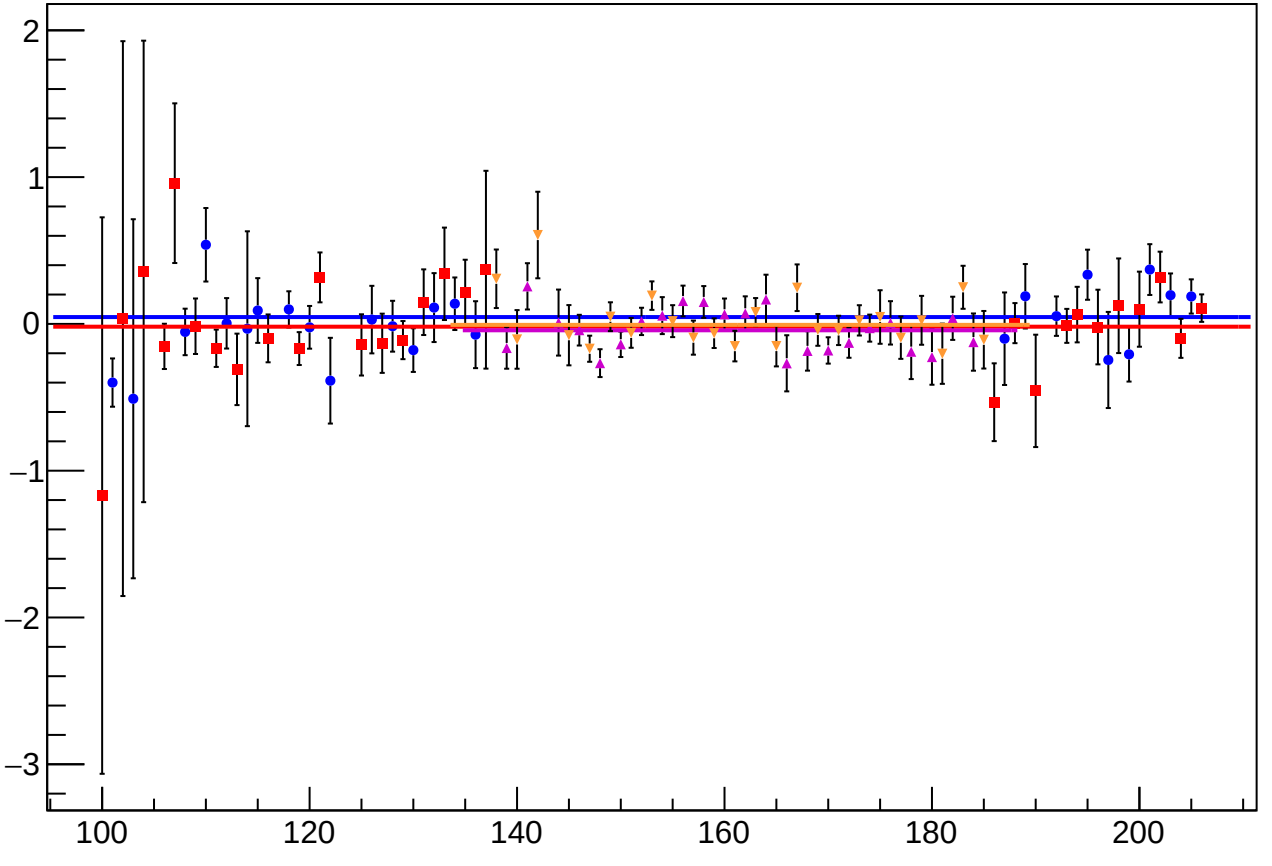
Right: 0.003+/-0.000 χ^2/NDF: 16095856.7/53

In: 0.004+/-0.000 χ^2/NDF:6465556.0/47

Out: 0.004+/-0.000 χ^2/NDF:12564019.0/52

All: 0.004+/-0.000 χ^2/NDF: 19381974.9/100

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

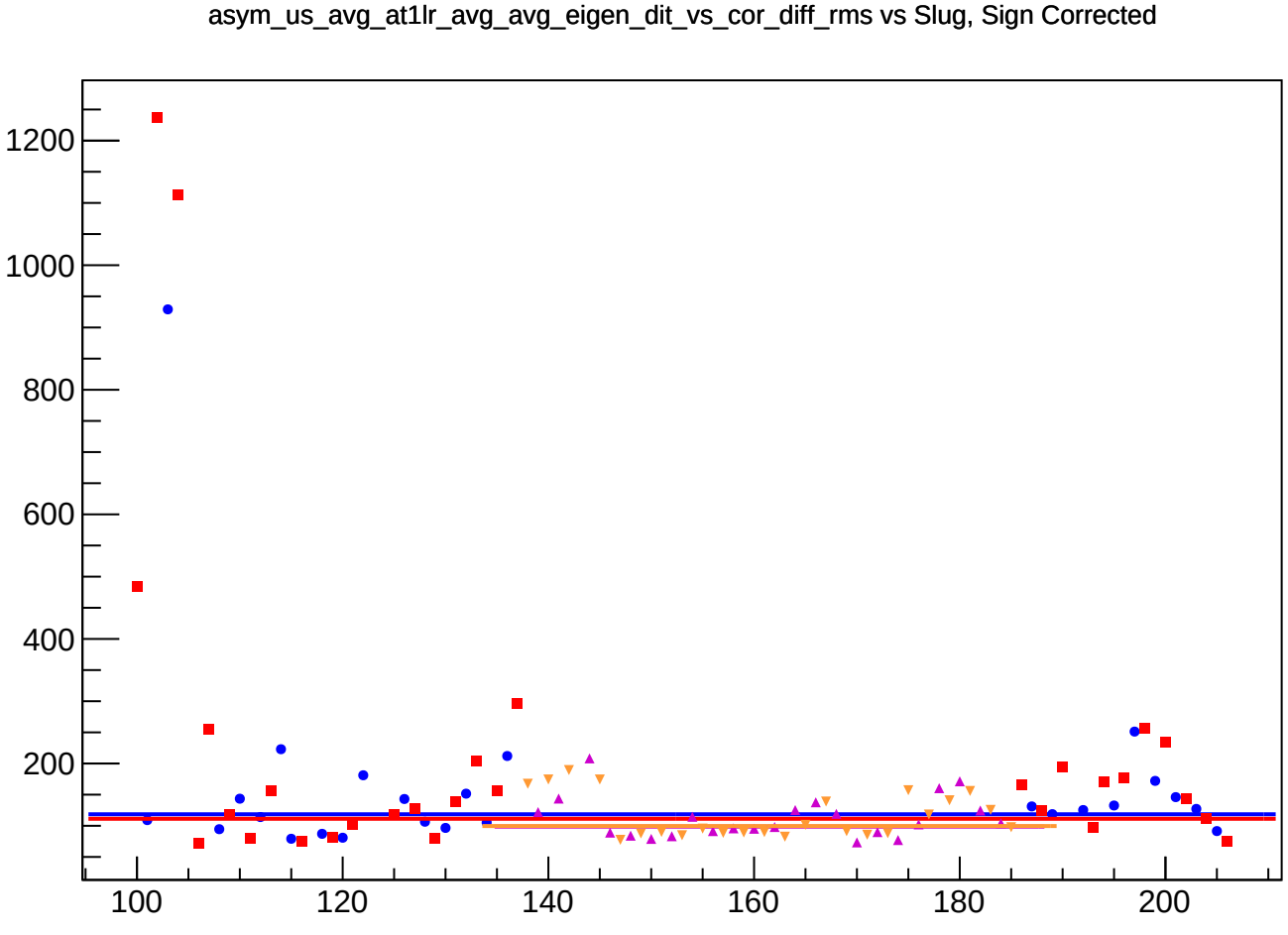
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.011+/-0.025 χ^2/NDF: 60.8/53

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.013+/-0.014 χ^2/NDF: 121.2/100



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

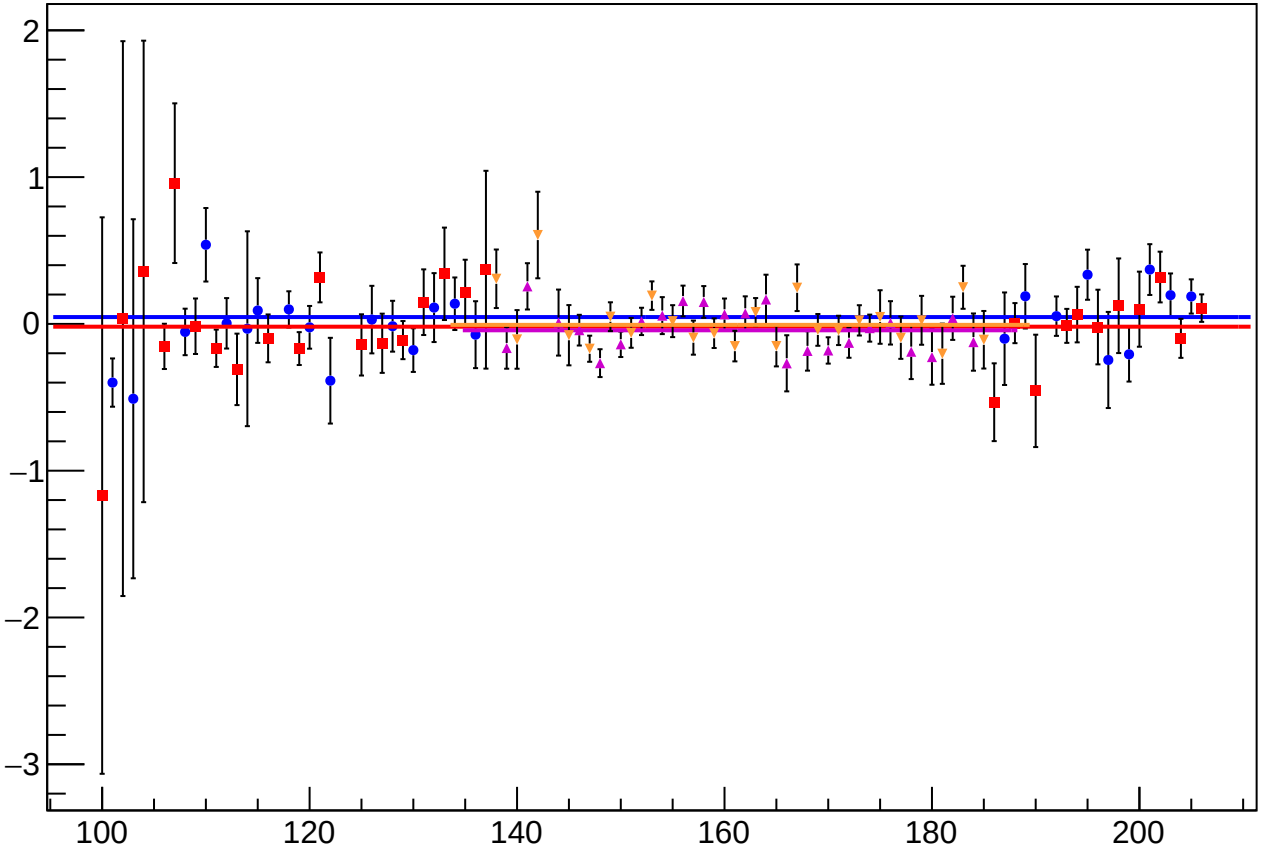
Right: 114.584+/-0.017 χ^2/NDF: 7285714.7/53

In: 105.029+/-0.015 χ^2/NDF:4970409.9/47

Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 104.413+/-0.010 χ^2/NDF: 11876658.5/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

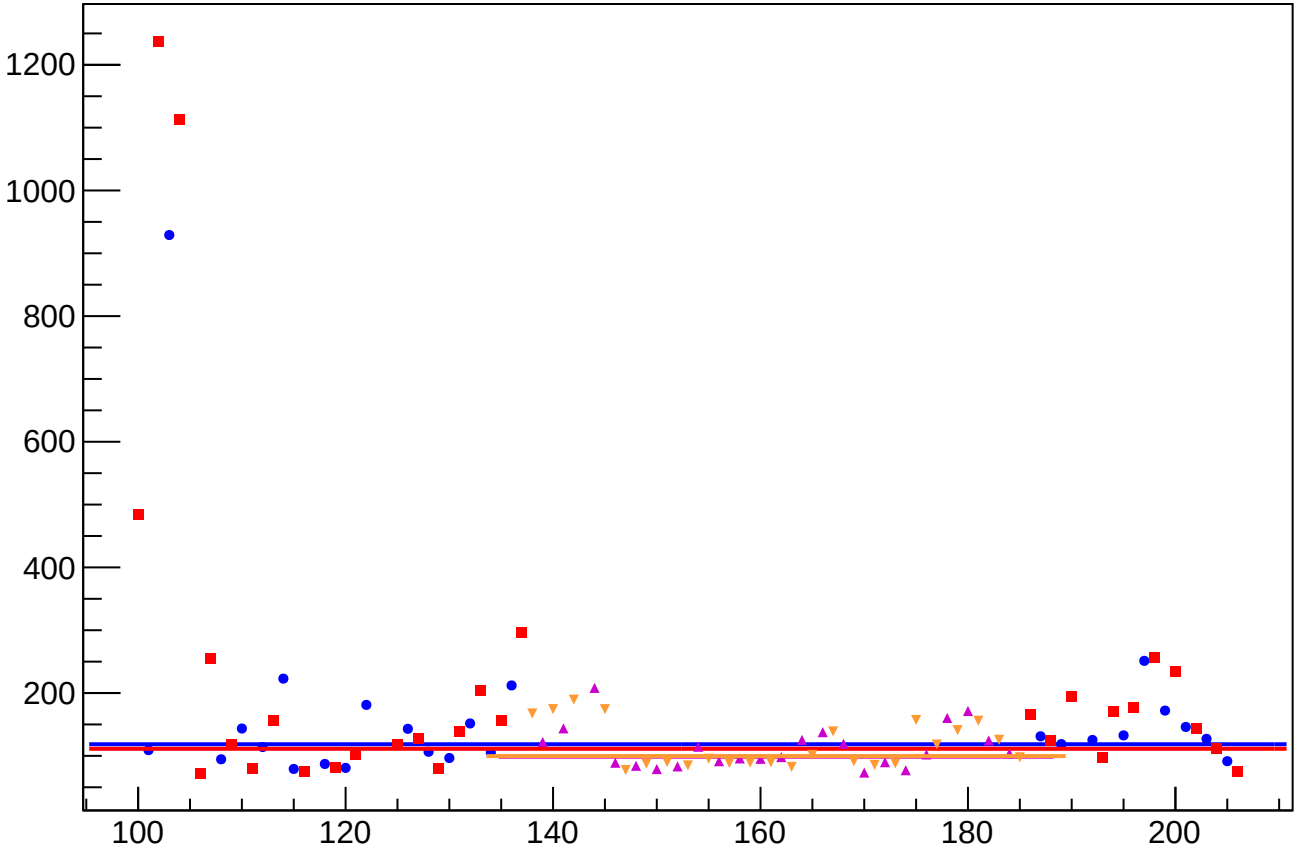
Right: 0.011+/-0.025 χ^2/NDF: 60.8/53

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.013+/-0.014 χ^2/NDF: 121.2/100

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

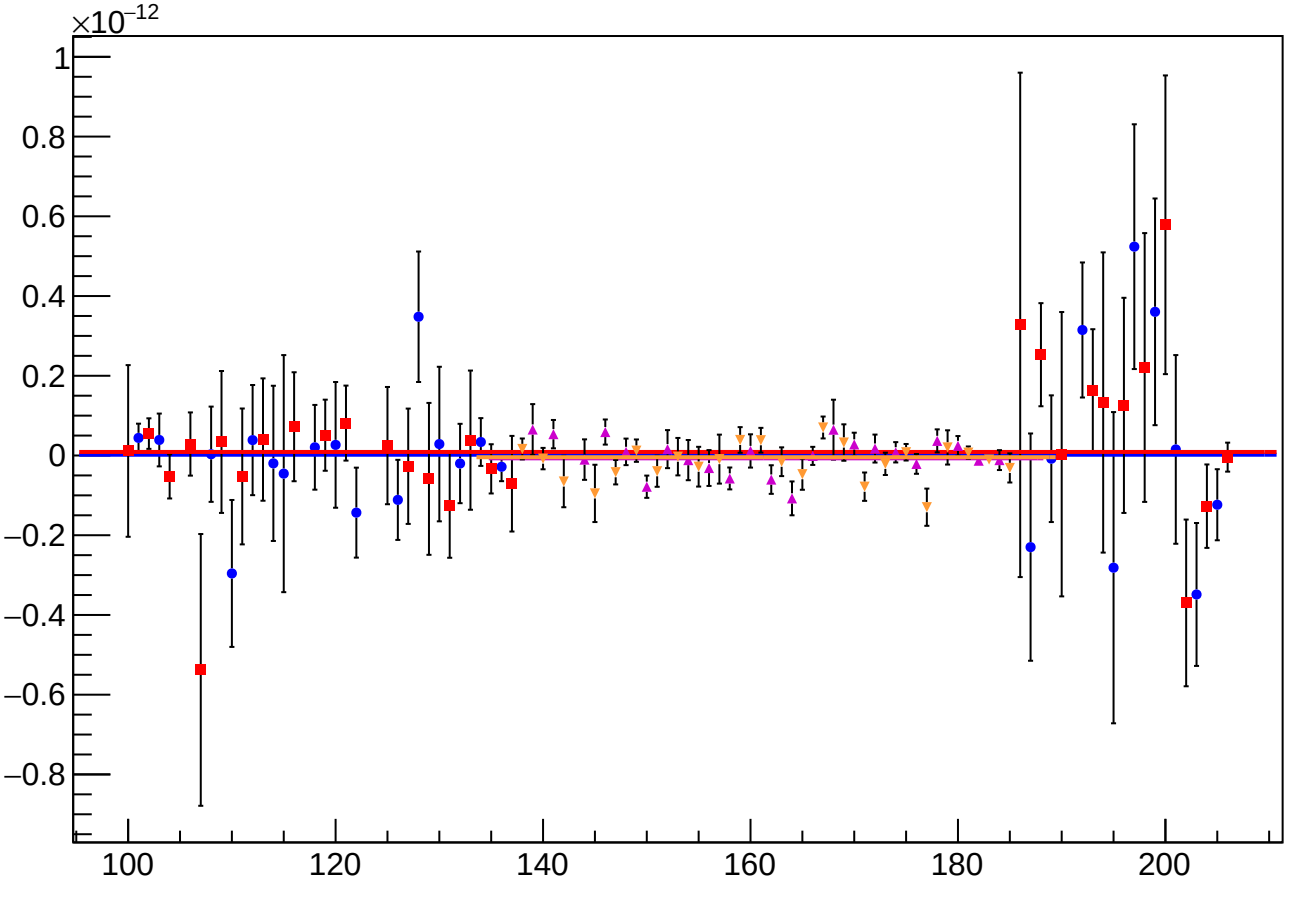
Right: 114.584+/-0.017 χ^2/NDF: 7285714.7/53

In: 105.029+/-0.015 χ^2/NDF:4970409.9/47

Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 104.413+/-0.010 χ^2/NDF: 11876658.5/10

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/28

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

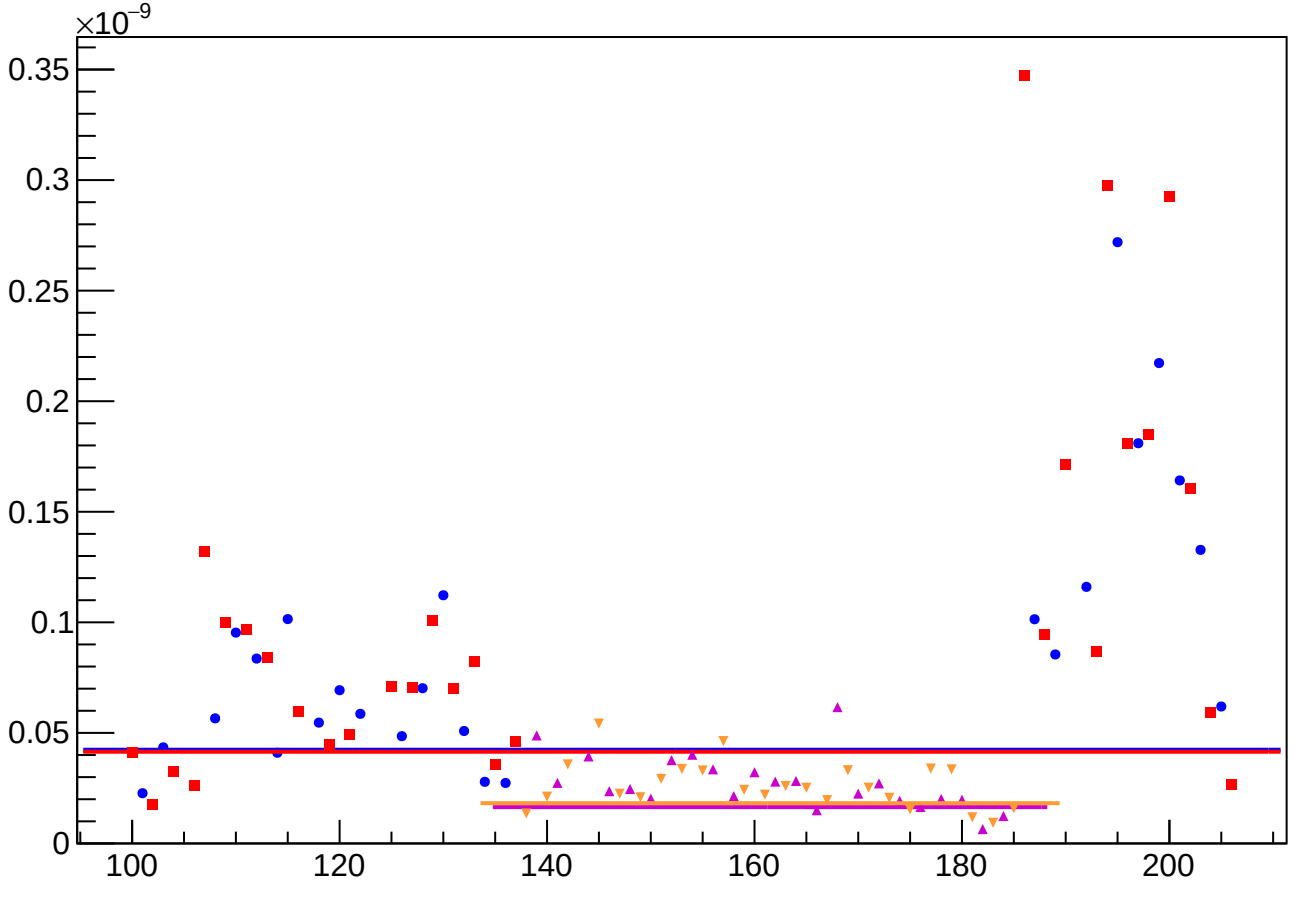
Right: 0.000+/-0.000 χ^2/NDF: 49.5/53

In: -0.000+/-0.000 χ^2/NDF:63.3/47

Out: -0.000+/-0.000 χ^2/NDF:55.1/52

All: -0.000+/-0.000 χ^2/NDF: 118.5/100

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5587397.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7243262.1/28

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

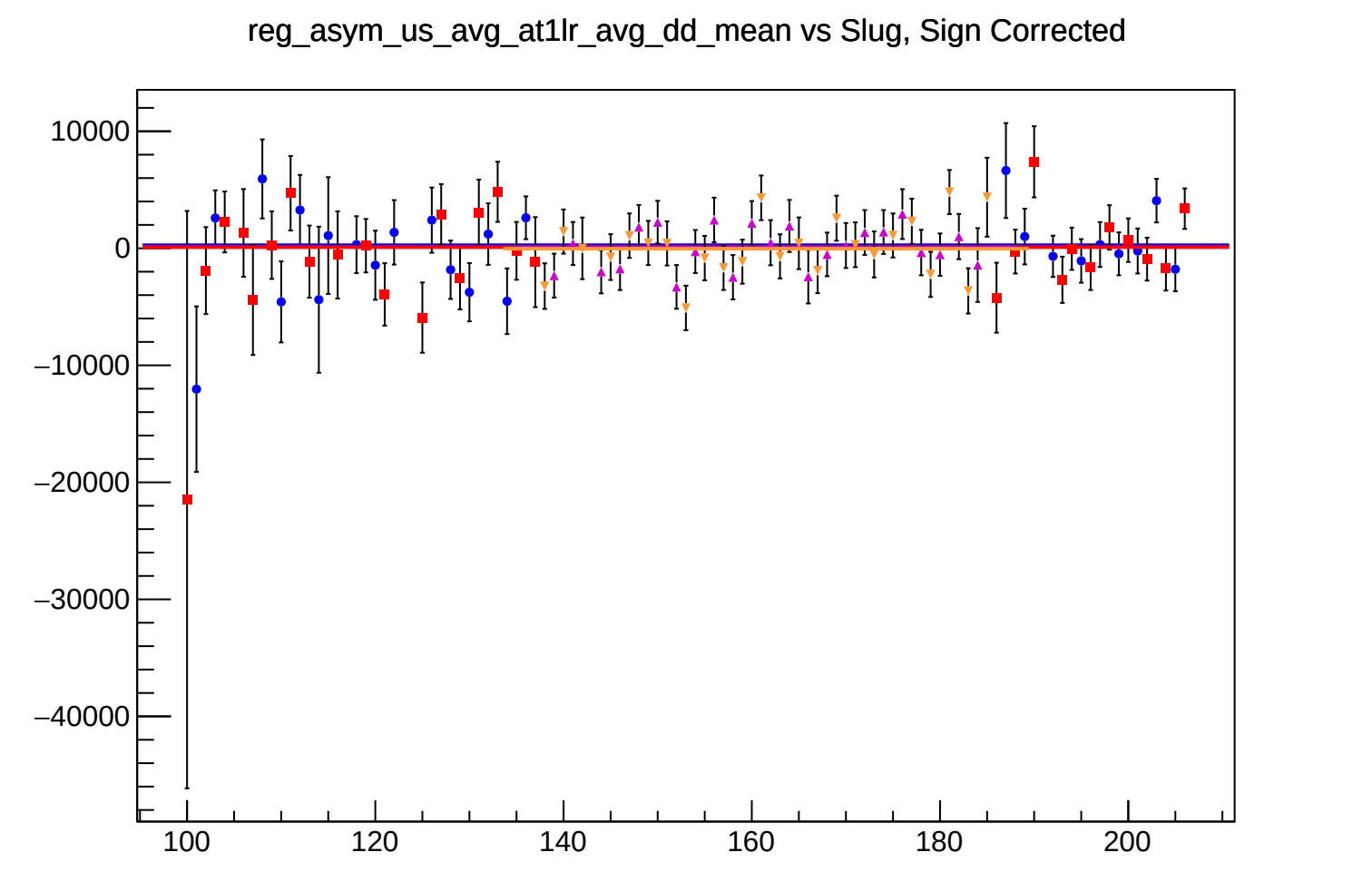
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 12833159.9/53

In: 0.000+/-0.000 χ^2/NDF:16320049.3/47

Out: 0.000+/-0.000 χ^2/NDF:14648039.9/52

All: 0.000+/-0.000 χ^2/NDF: 31094419.4/100



Right In: 262.544+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 100.357+/-457.121 χ^2/NDF: 34.5/28

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

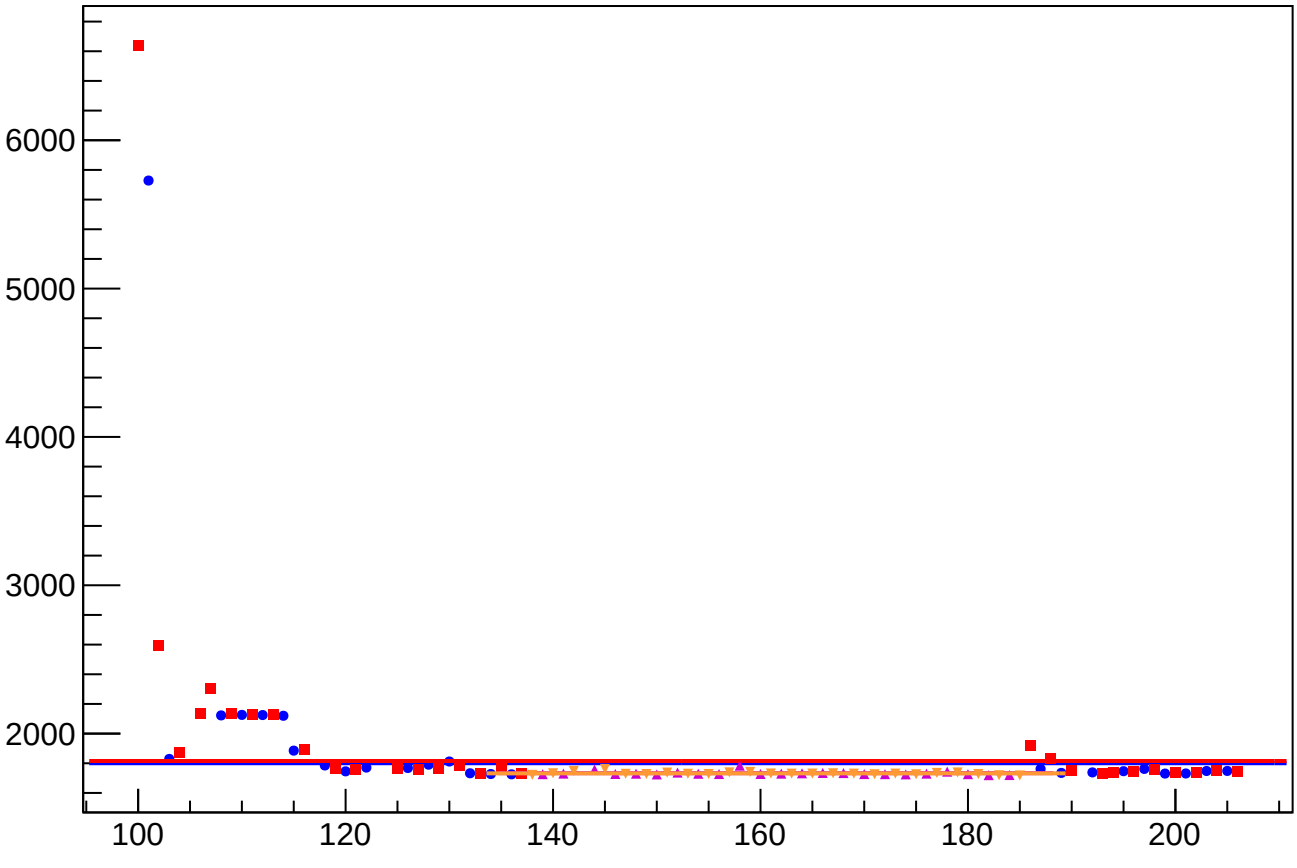
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 176.595+/-332.769 χ^2/NDF: 63.0/53

In: 138.817+/-310.827 χ^2/NDF:47.9/47

Out: 24.138+/-301.862 χ^2/NDF:70.0/52

All: 79.800+/-216.549 χ^2/NDF: 118.0/100



Right In: 1800.286+/-0.343 χ^2/NDF: 704610.1/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1815.384+/-0.323 χ^2/NDF: 304422.6/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

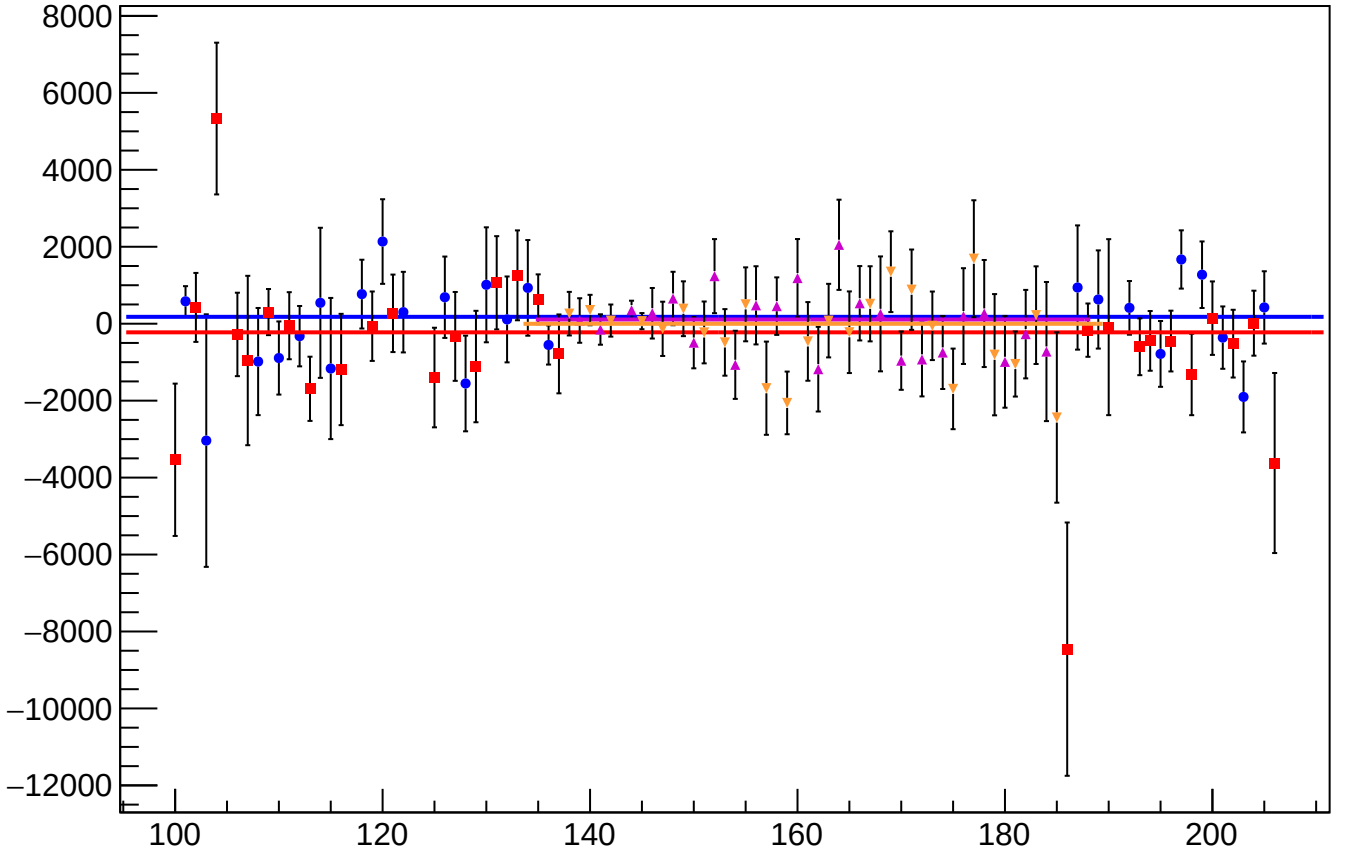
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1808.287+/-0.235 χ^2/NDF: 1010058.2/53

In: 1760.781+/-0.220 χ^2/NDF:729301.9/47

Out: 1768.352+/-0.213 χ^2/NDF:342901.2/52

All: 1764.678+/-0.153 χ^2/NDF: 1072813.8/10



Right In: 178.647+/-176.852 χ^2/NDF: 26.3/24

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -224.479+/-182.742 χ^2/NDF: 32.2/28

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

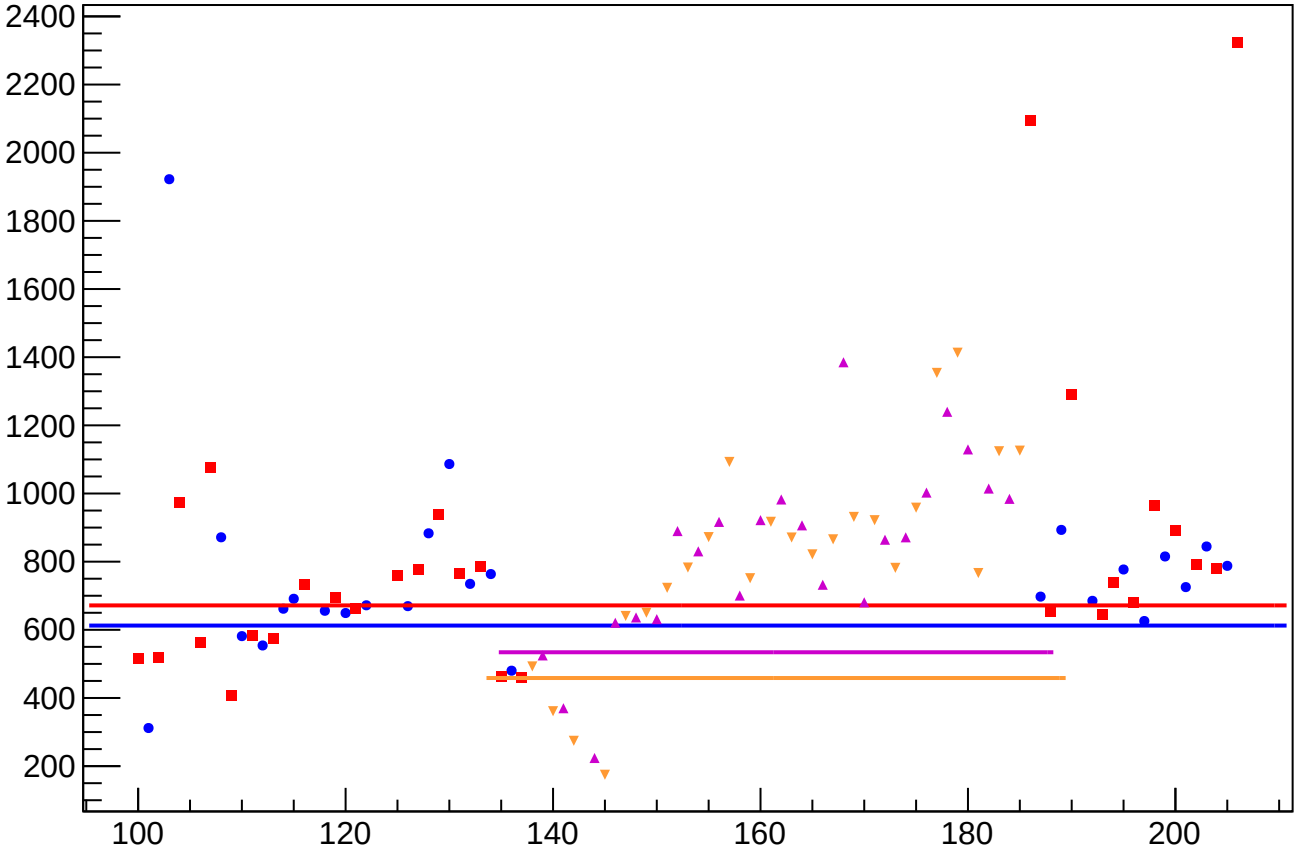
Right: -16.315+/-127.085 χ^2/NDF: 61.0/53

In: 136.237+/-111.345 χ^2/NDF:43.4/47

Out: -77.066+/-105.958 χ^2/NDF:53.5/52

All: 24.301+/-76.758 χ^2/NDF: 98.8/100

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 612.483+/-0.125 χ^2/NDF: 2620908.7/24

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 671.646+/-0.129 χ^2/NDF: 2932663.7/28

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

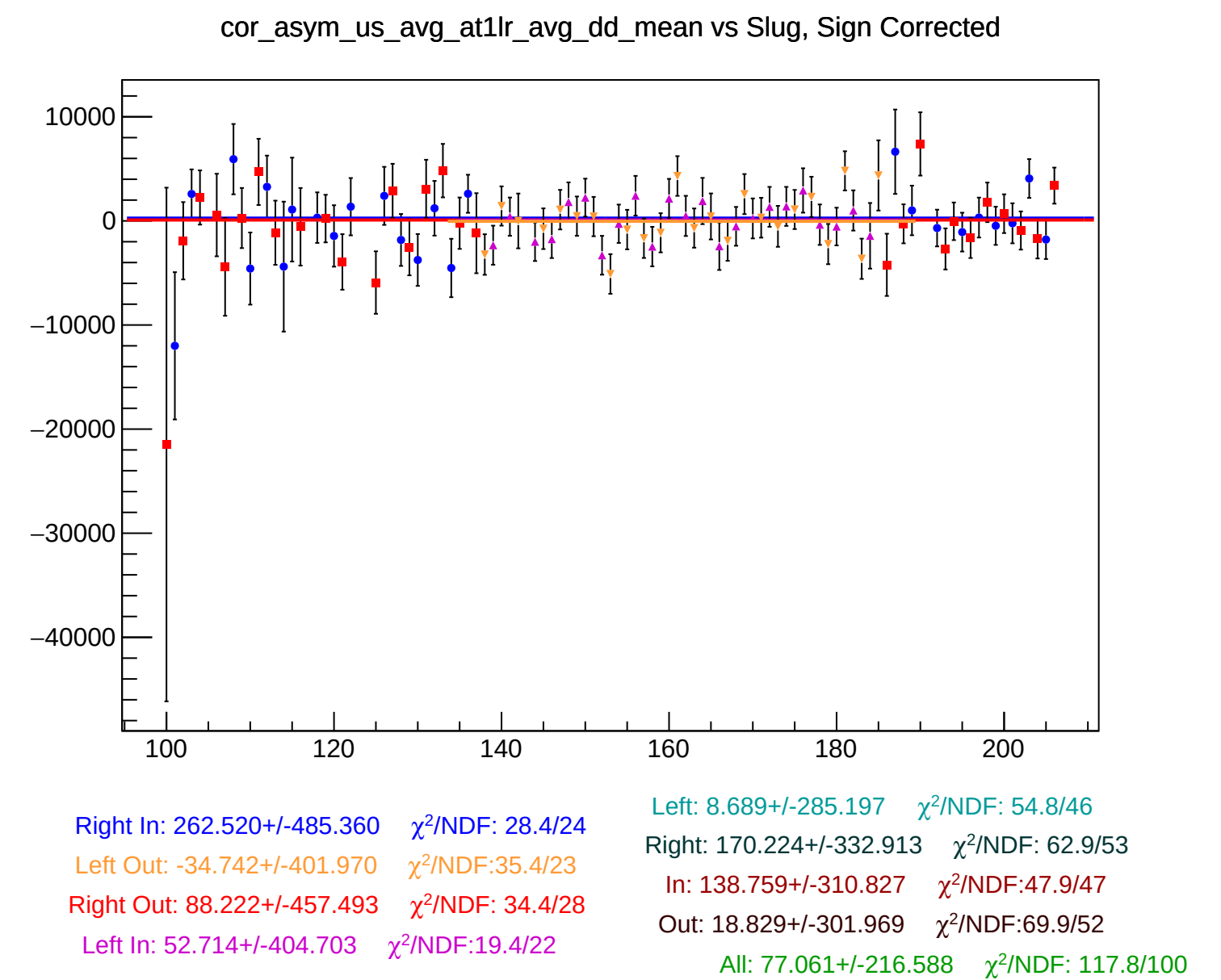
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

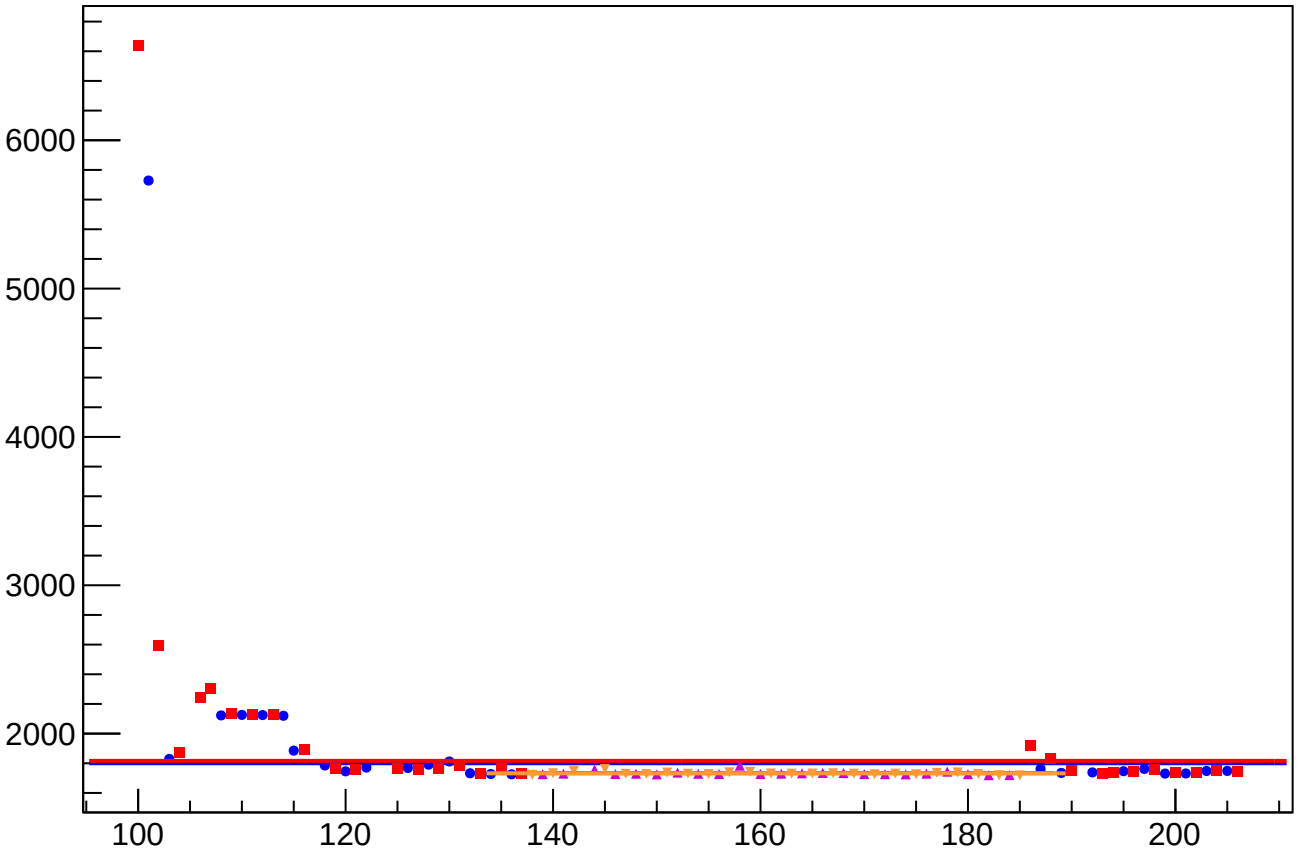
Right: 641.096+/-0.090 χ^2/NDF: 5661822.5/53

In: 565.207+/-0.079 χ^2/NDF:11300977.5/47

Out: 530.212+/-0.075 χ^2/NDF:16164193.2/52

All: 546.842+/-0.054 χ^2/NDF: 27568842.8/10


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 262.520+/-485.360 χ²/NDF: 28.4/24
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 88.222+/-457.493 χ²/NDF: 34.4/28
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 170.224+/-332.913 χ²/NDF: 62.9/53
In: 138.759+/-310.827 χ²/NDF:47.9/47
Out: 18.829+/-301.969 χ²/NDF:69.9/52
All: 77.061+/-216.588 χ²/NDF: 117.8/100



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

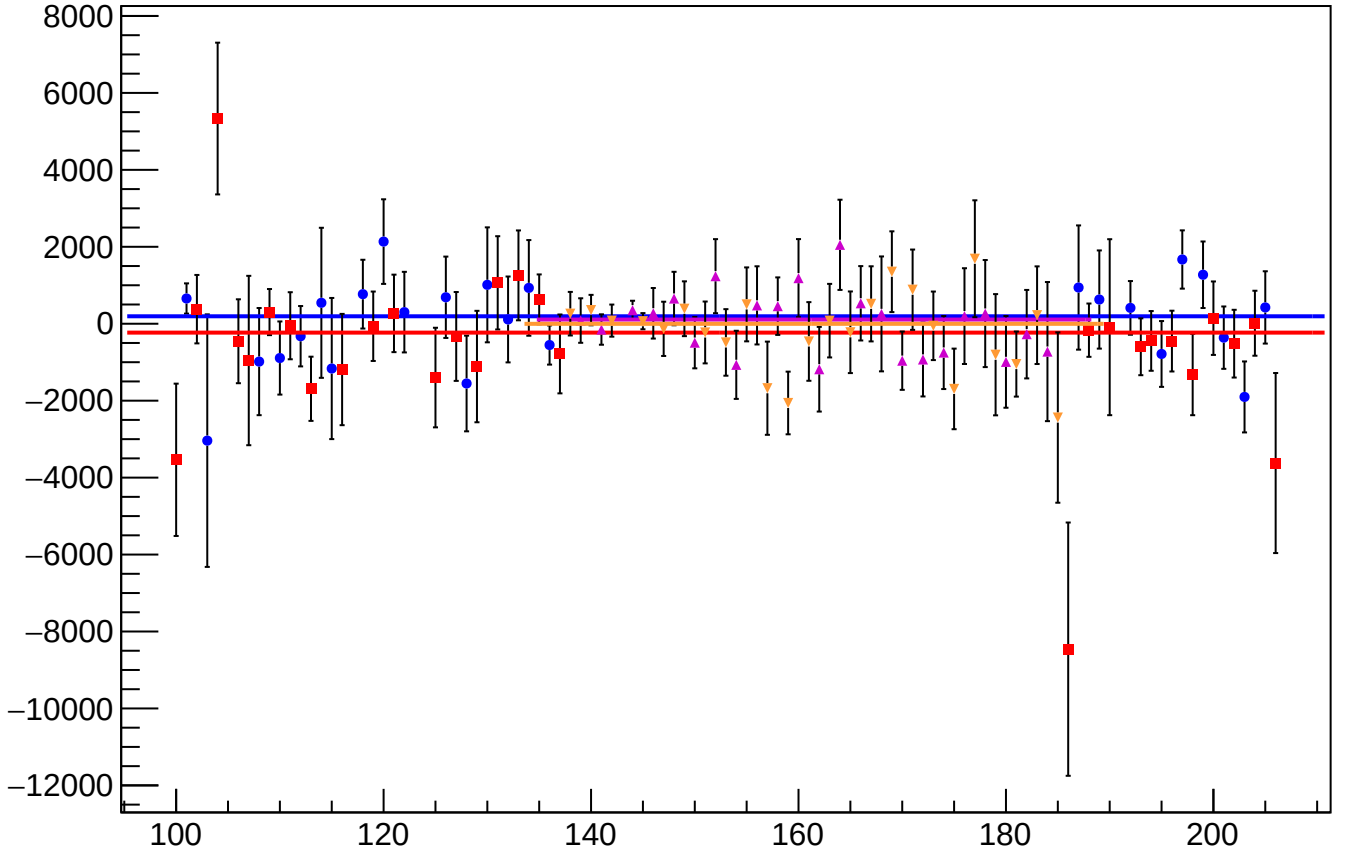
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1808.745+/-0.235 χ^2/NDF: 1018562.1/53

In: 1760.781+/-0.220 χ^2/NDF:729301.7/47

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.856+/-0.153 χ^2/NDF: 1082011.6/10



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -230.890+/-182.716 χ^2/NDF: 32.2/28

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

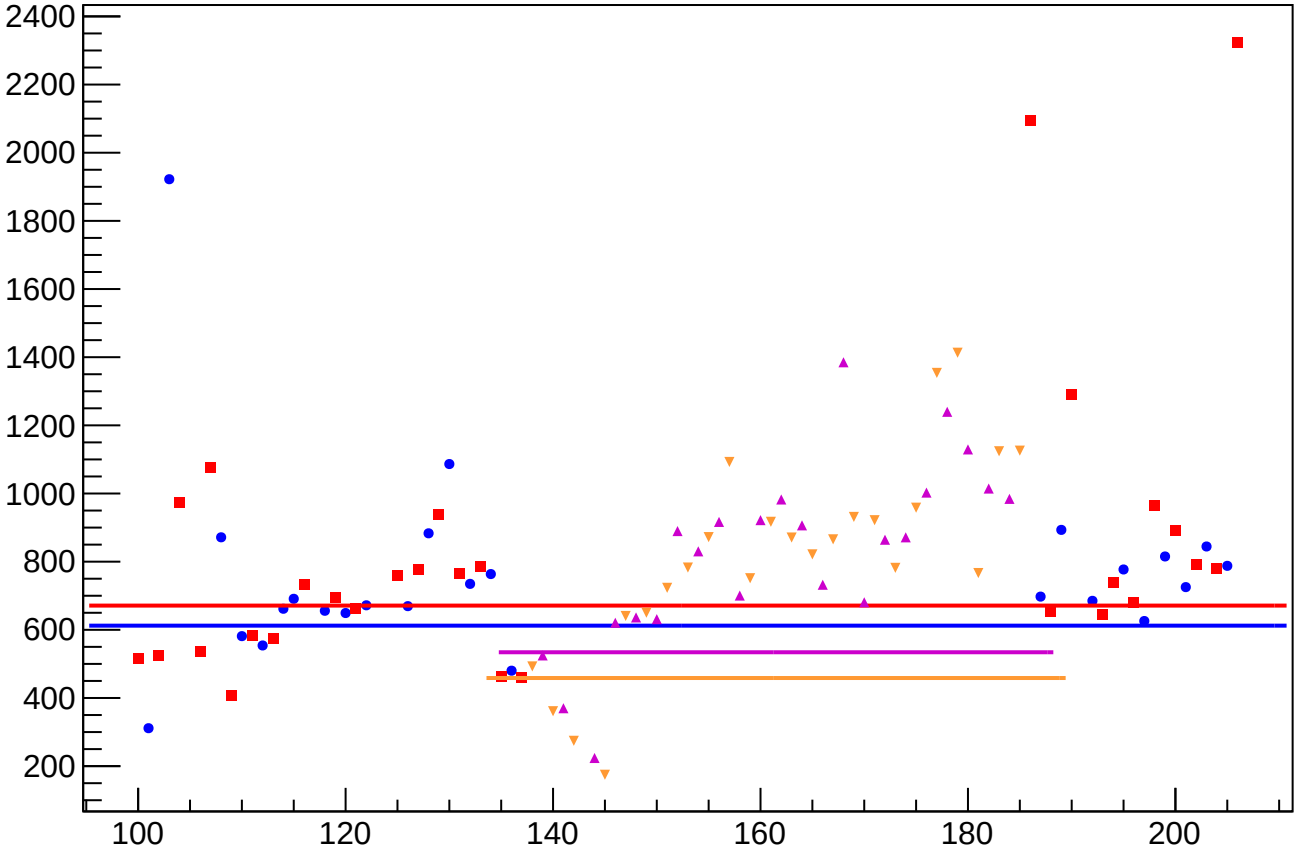
Right: -11.614+/-127.062 χ^2/NDF: 61.7/53

In: 142.205+/-111.335 χ^2/NDF:43.9/47

Out: -79.319+/-105.955 χ^2/NDF:53.5/52

All: 25.960+/-76.753 χ^2/NDF: 99.4/100

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

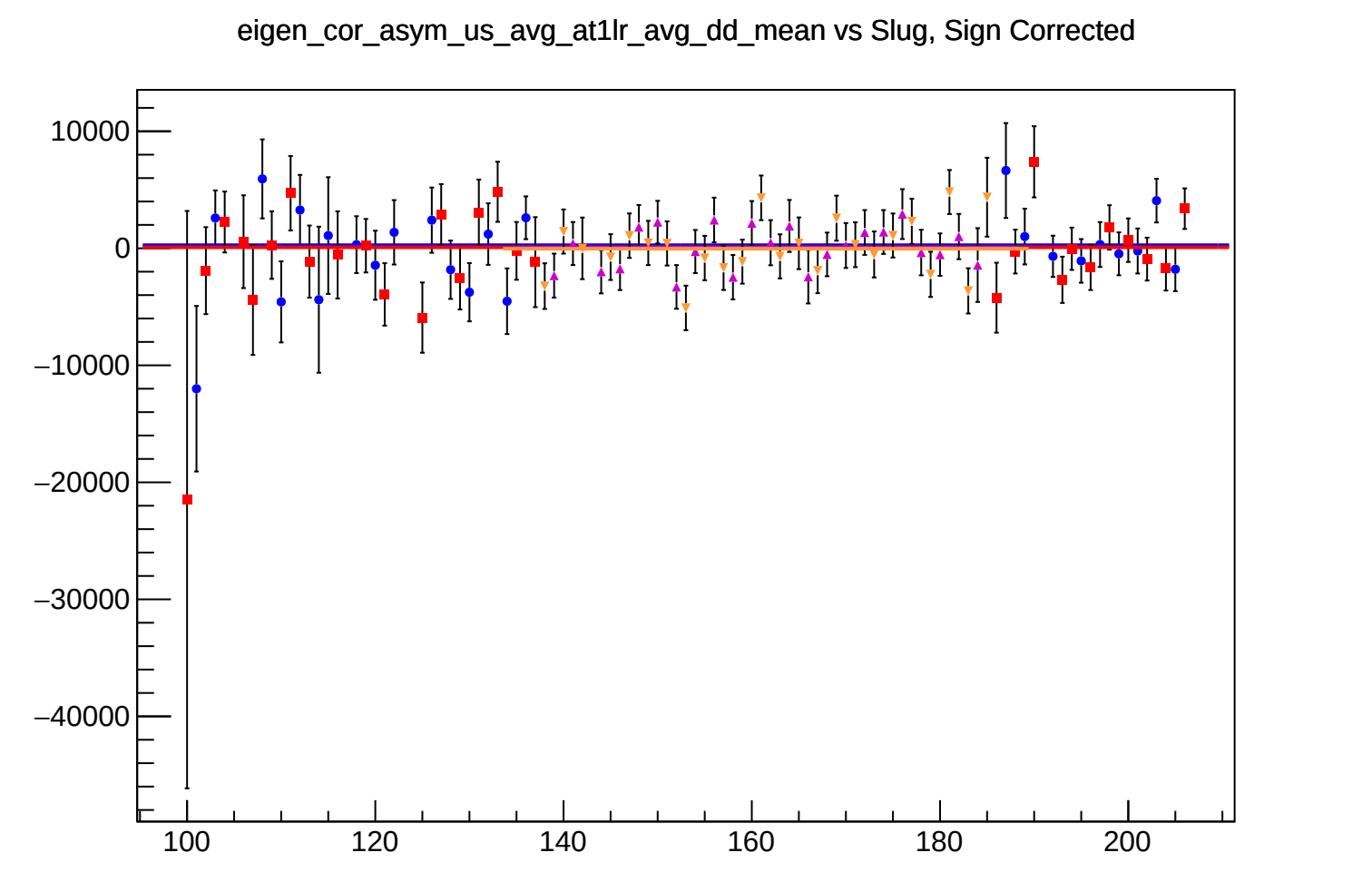
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 640.718+/-0.090 χ^2/NDF: 5673609.9/53

In: 565.127+/-0.079 χ^2/NDF:11305551.7/47

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 546.724+/-0.054 χ^2/NDF: 27571053.7/10



Right In: 262.520+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 88.222+/-457.493 χ^2/NDF: 34.4/28

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

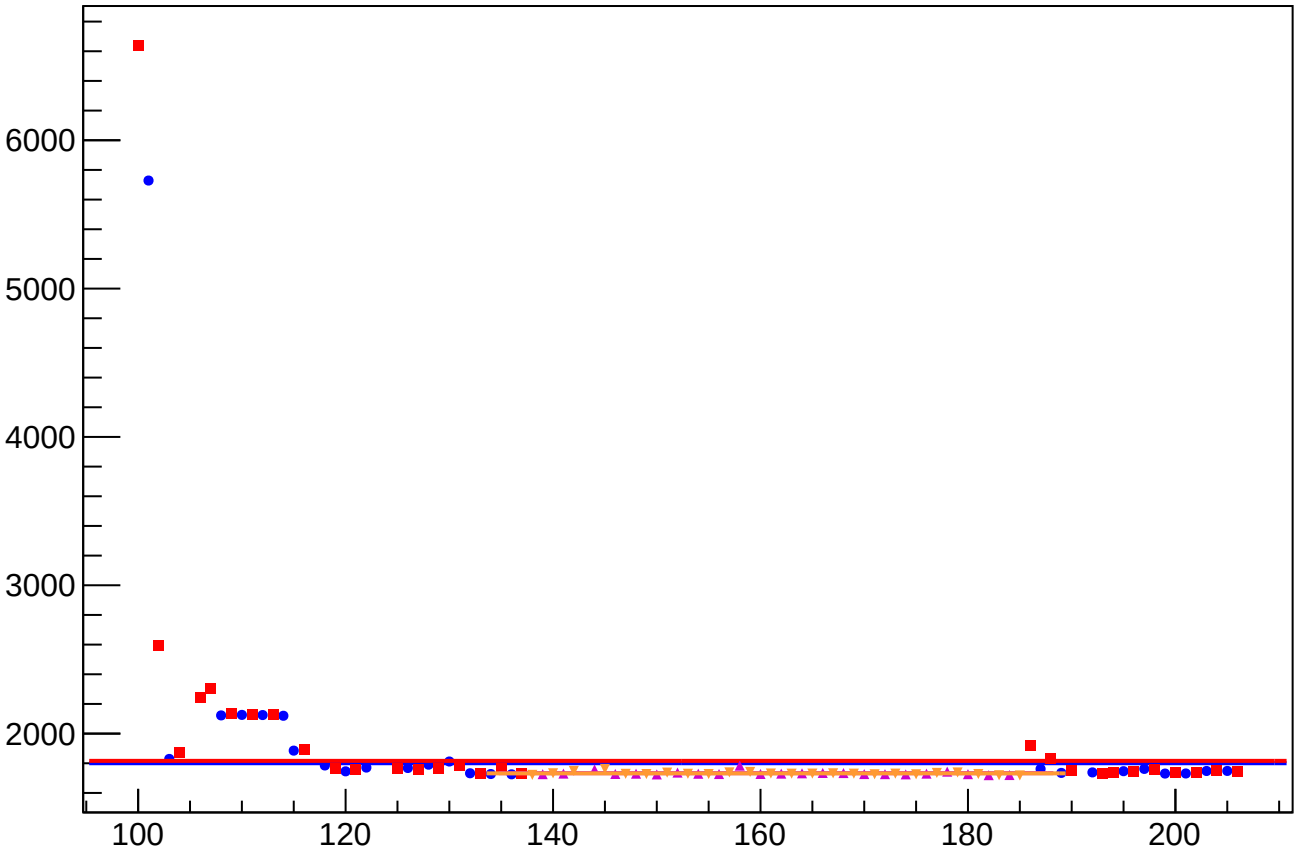
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 170.224+/-332.913 χ^2/NDF: 62.9/53

In: 138.759+/-310.827 χ^2/NDF:47.9/47

Out: 18.829+/-301.969 χ^2/NDF:69.9/52

All: 77.061+/-216.588 χ^2/NDF: 117.8/100



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

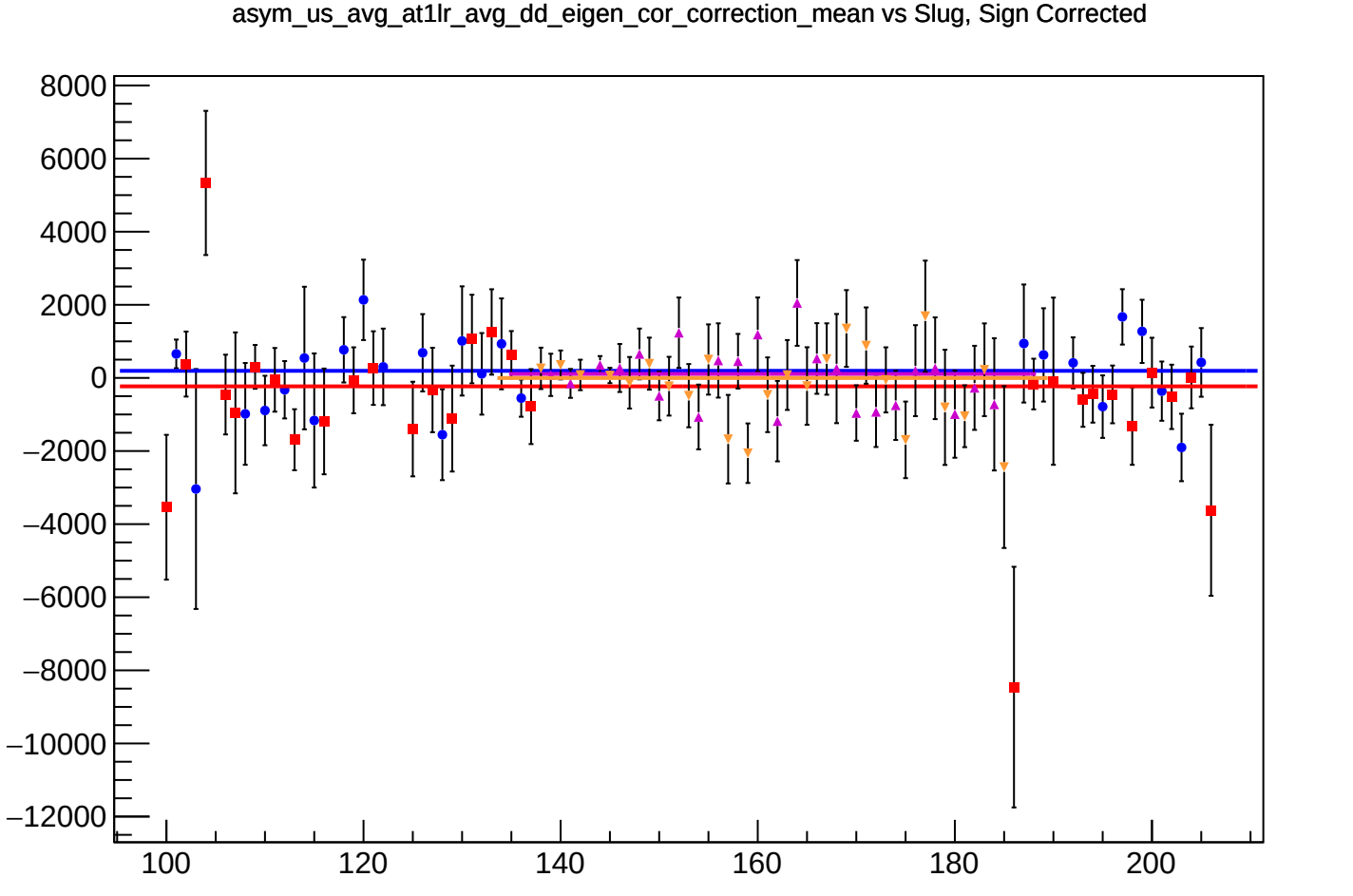
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1808.745+/-0.235 χ^2/NDF: 1018562.1/53

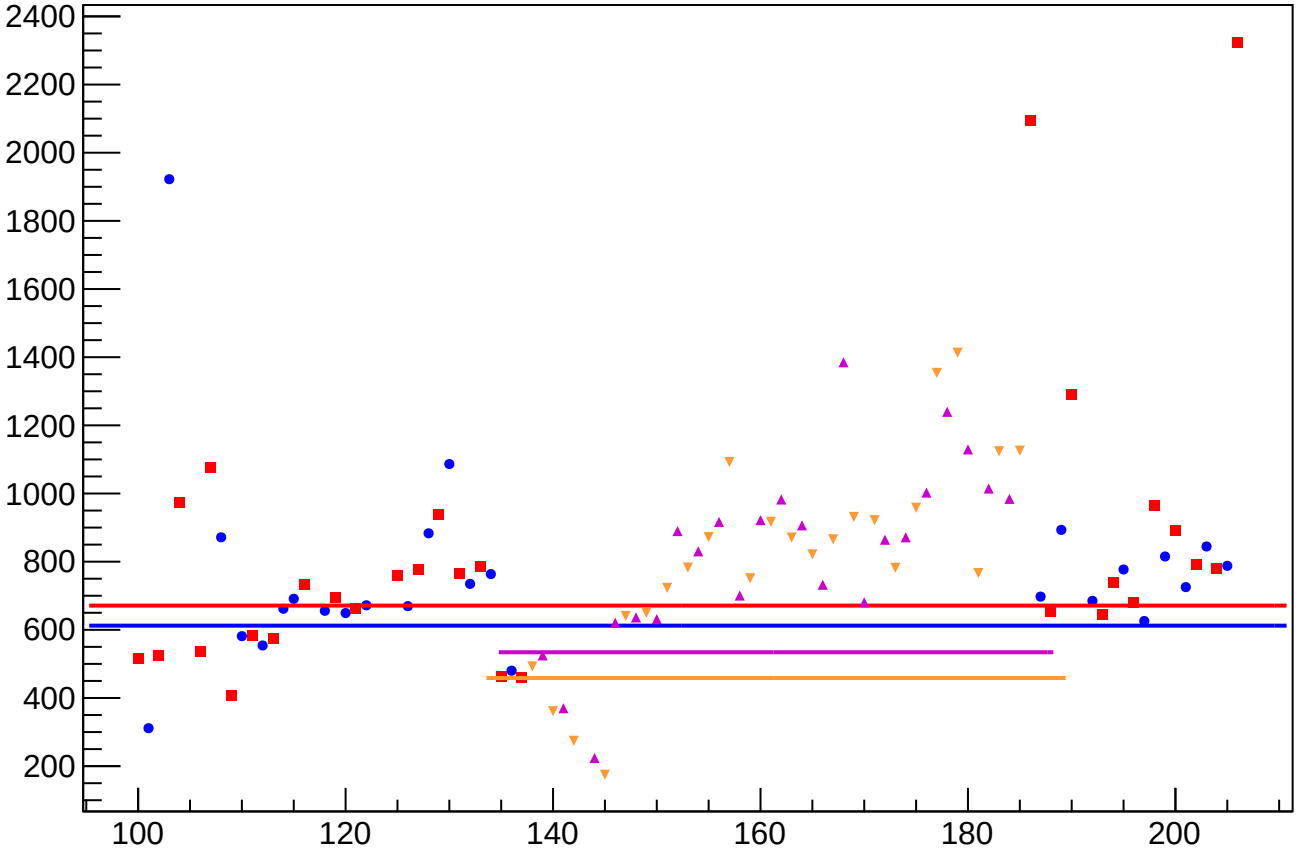
In: 1760.781+/-0.220 χ^2/NDF:729301.7/47

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.856+/-0.153 χ^2/NDF: 1082011.6/10


asym_us_avg_at1lr_avg_dd_eigen_cor_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: 193.723+/-176.813 χ²/NDF: 26.7/24
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -230.890+/-182.716 χ²/NDF: 32.2/28
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: -11.614+/-127.062 χ²/NDF: 61.7/53
In: 142.205+/-111.335 χ²/NDF:43.9/47
Out: -79.319+/-105.955 χ²/NDF:53.5/52
All: 25.960+/-76.753 χ²/NDF: 99.4/100

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

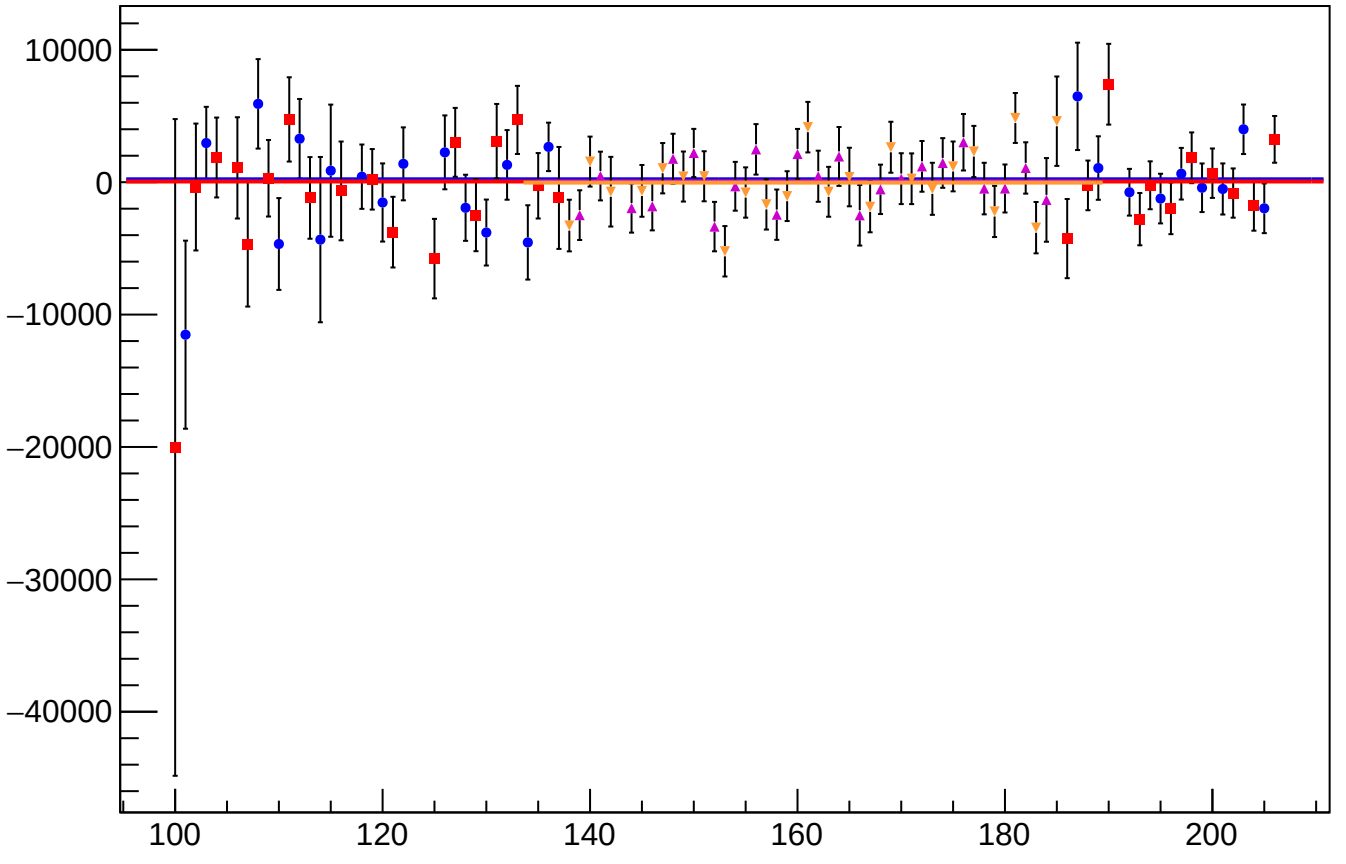
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 640.718+/-0.090 χ^2/NDF: 5673609.9/53

In: 565.127+/-0.079 χ^2/NDF:11305551.7/47

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 546.724+/-0.054 χ^2/NDF: 27571053.7/10



Right In: 218.734+/-489.465 χ^2/NDF: 28.6/24

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 54.736+/-462.476 χ^2/NDF: 33.5/28

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

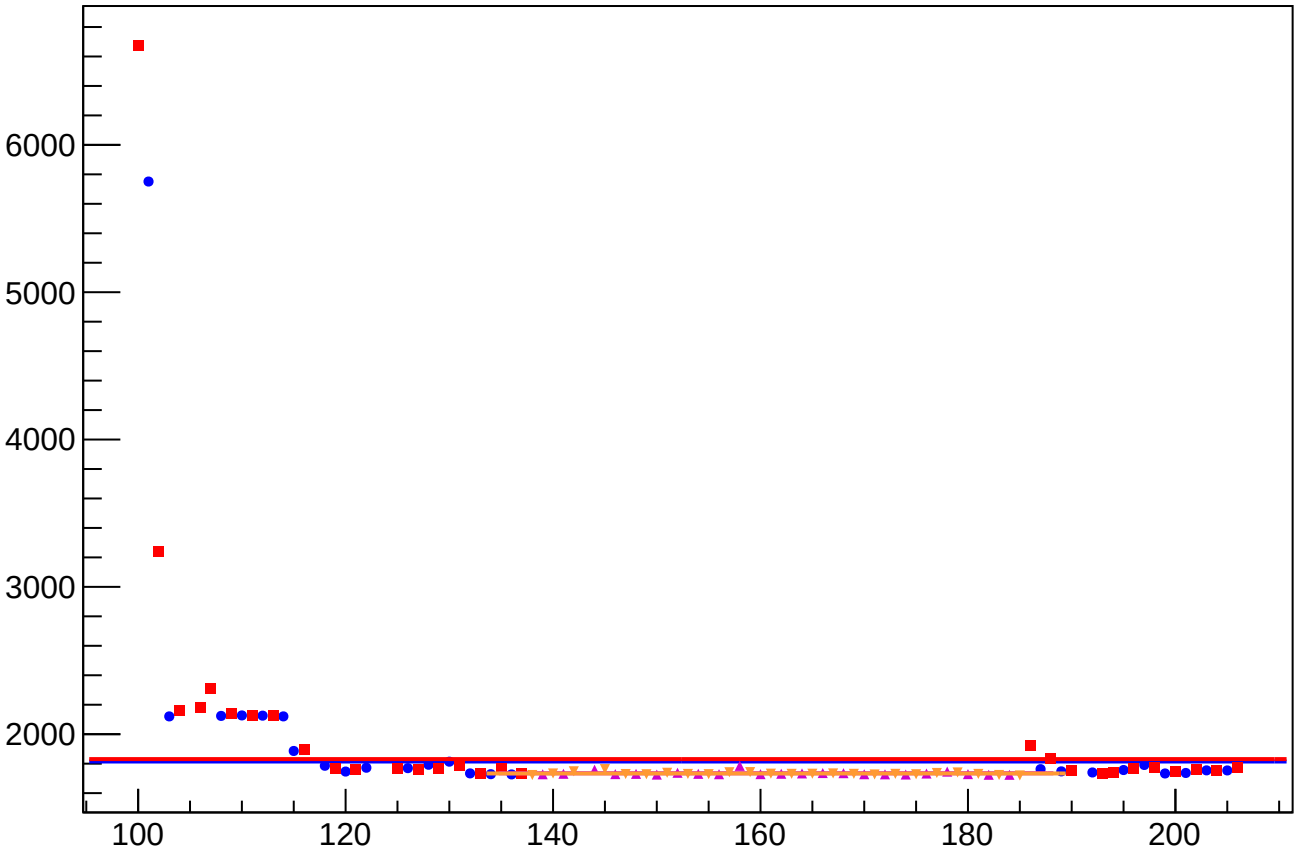
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 132.089+/-336.156 χ^2/NDF: 62.2/53

In: 114.112+/-312.057 χ^2/NDF:48.5/47

Out: 6.850+/-303.537 χ^2/NDF:69.0/52

All: 58.997+/-217.583 χ^2/NDF: 117.6/100



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.5/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1830.998+/-0.327 χ^2/NDF: 412058.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

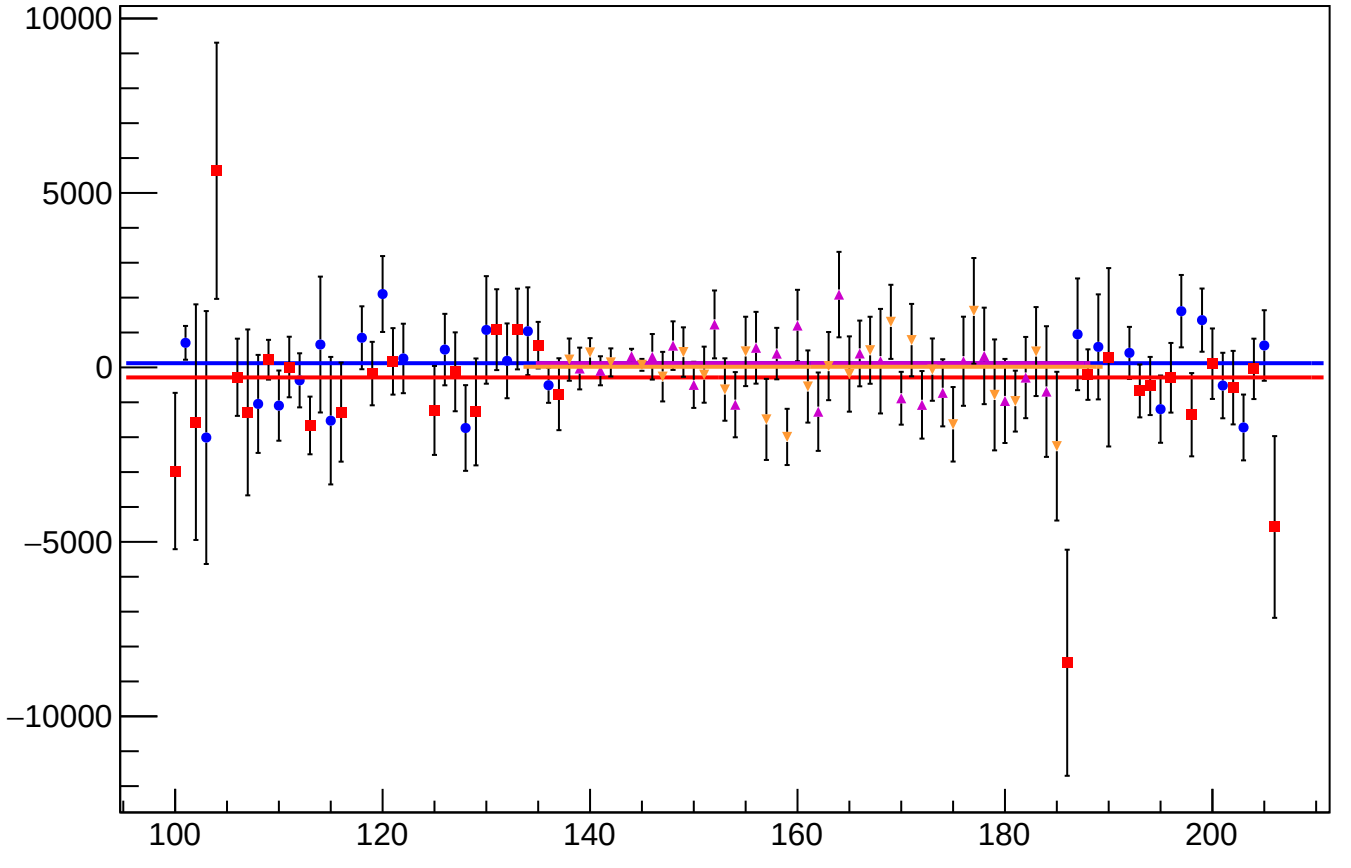
Right: 1823.291+/-0.238 χ^2/NDF: 1142083.5/53

In: 1767.265+/-0.221 χ^2/NDF:762614.2/47

Out: 1775.487+/-0.215 χ^2/NDF:463580.2/52

All: 1771.490+/-0.154 χ^2/NDF: 1226907.8/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 120.649+/-189.944 χ^2/NDF: 25.0/24

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -287.057+/-192.653 χ^2/NDF: 25.3/28

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

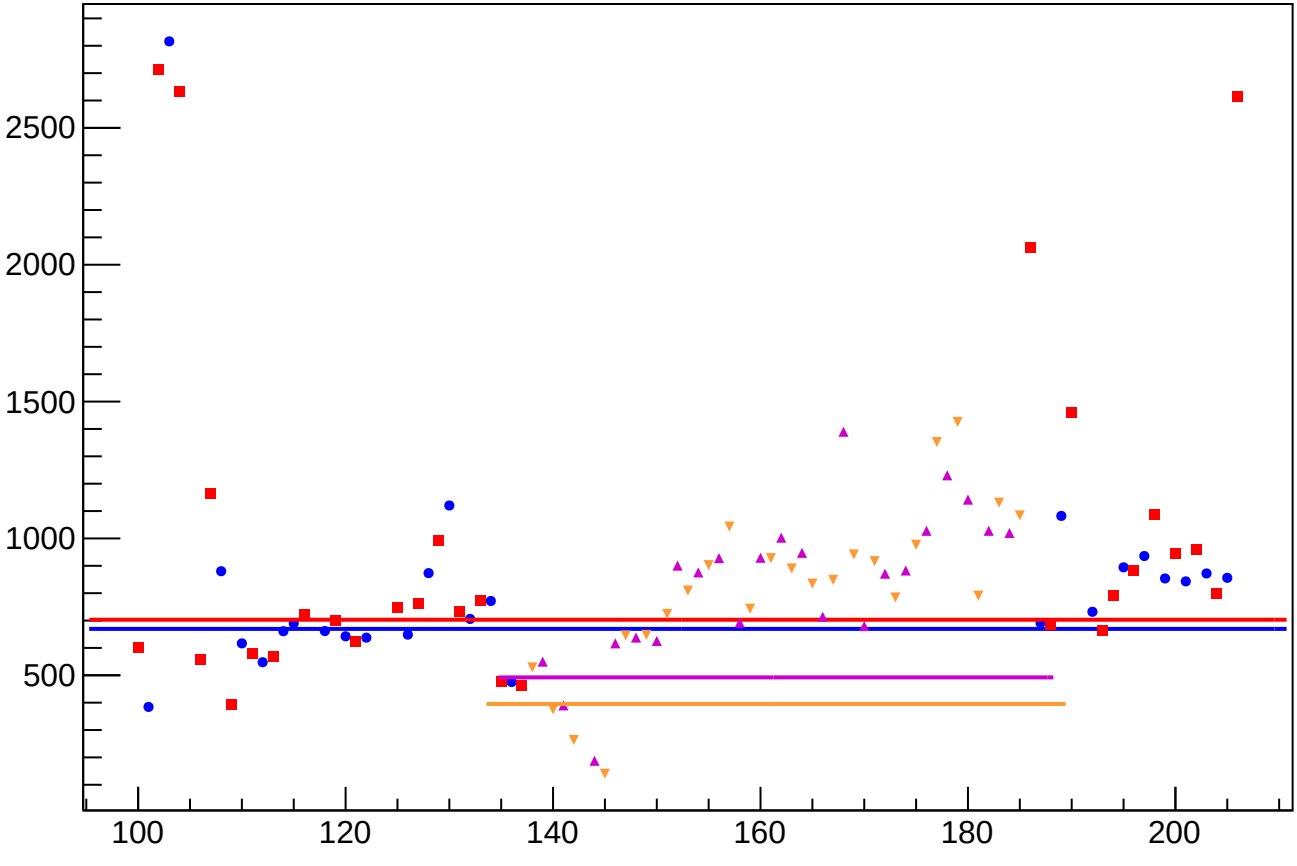
Right: -80.317+/-135.258 χ^2/NDF: 52.6/53

In: 121.343+/-111.193 χ^2/NDF:41.5/47

Out: -66.570+/-101.448 χ^2/NDF:46.6/52

All: 18.793+/-74.943 χ^2/NDF: 89.6/100

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 669.499+/-0.134 χ^2/NDF: 2754941.5/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 702.993+/-0.136 χ^2/NDF: 4671403.0/28

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

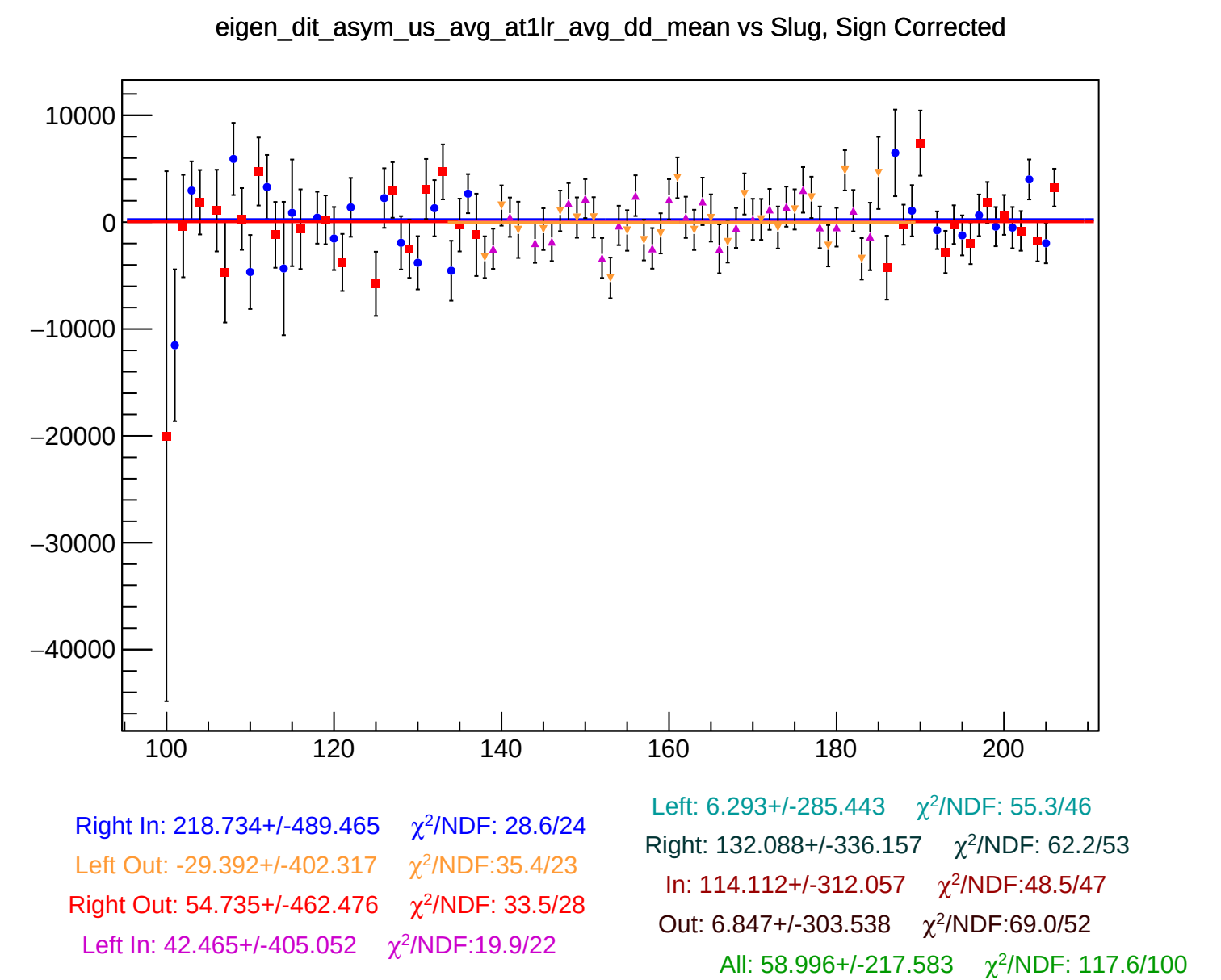
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

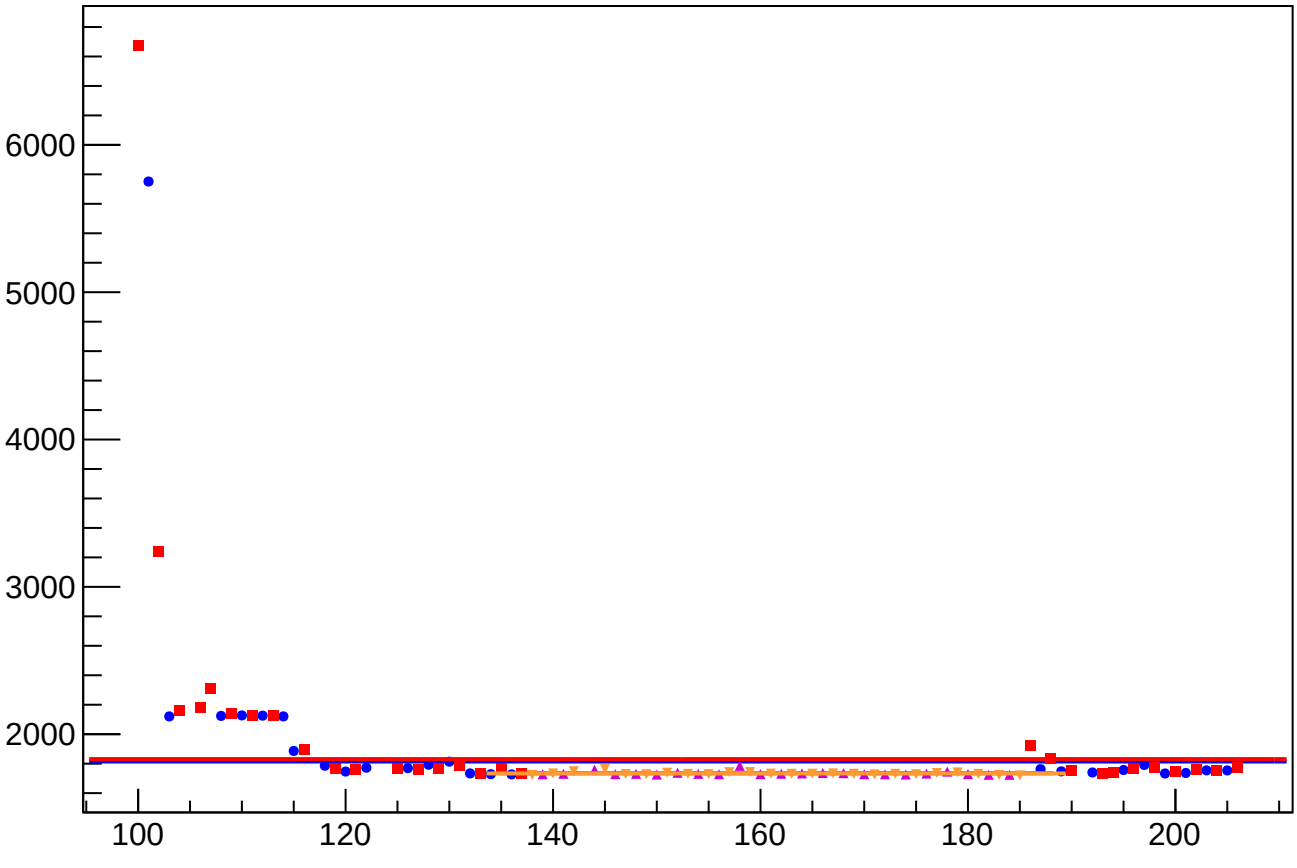
Right: 686.009+/-0.096 χ^2/NDF: 7456998.5/53

In: 553.022+/-0.079 χ^2/NDF:14318631.3/47

Out: 480.540+/-0.072 χ^2/NDF:22695546.7/52

All: 513.466+/-0.053 χ^2/NDF: 37477959.9/10


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 218.734+/-489.465 χ²/NDF: 28.6/24
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 54.735+/-462.476 χ²/NDF: 33.5/28
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 132.088+/-336.157 χ²/NDF: 62.2/53
In: 114.112+/-312.057 χ²/NDF:48.5/47
Out: 6.847+/-303.538 χ²/NDF:69.0/52
All: 58.996+/-217.583 χ²/NDF: 117.6/100



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.1/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1830.998+/-0.327 χ^2/NDF: 412057.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

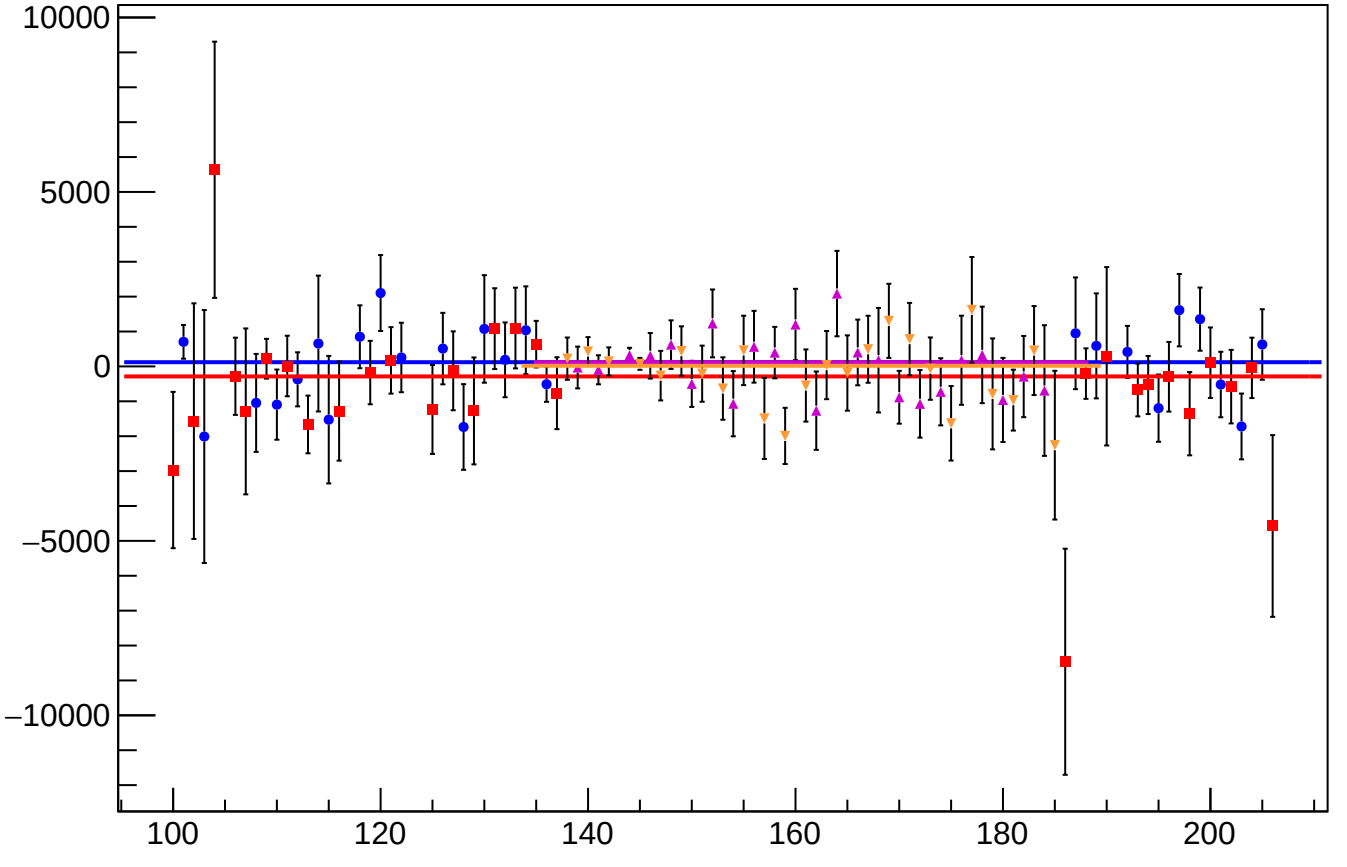
Right: 1823.291+/-0.238 χ^2/NDF: 1142082.1/53

In: 1767.265+/-0.221 χ^2/NDF:762613.8/47

Out: 1775.487+/-0.215 χ^2/NDF:463579.3/52

All: 1771.490+/-0.154 χ^2/NDF: 1226906.5/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 120.648+/-189.943 χ^2/NDF: 25.0/24

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -287.054+/-192.652 χ^2/NDF: 25.3/28

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

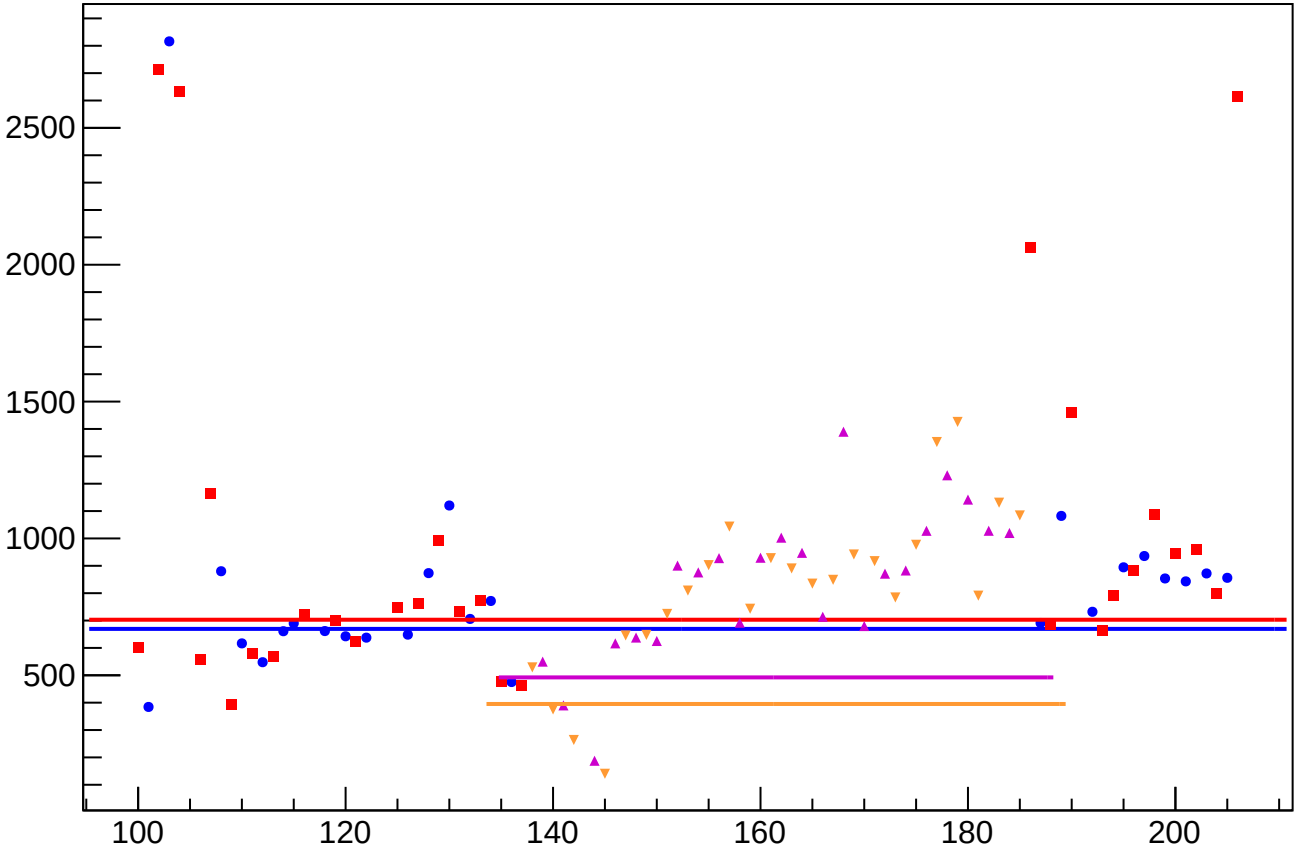
Right: -80.317+/-135.258 χ^2/NDF: 52.6/53

In: 121.343+/-111.193 χ^2/NDF:41.5/47

Out: -66.571+/-101.448 χ^2/NDF:46.6/52

All: 18.792+/-74.943 χ^2/NDF: 89.6/100

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 669.498+/-0.134 χ^2/NDF: 2754954.1/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 702.989+/-0.136 χ^2/NDF: 4671456.3/28

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

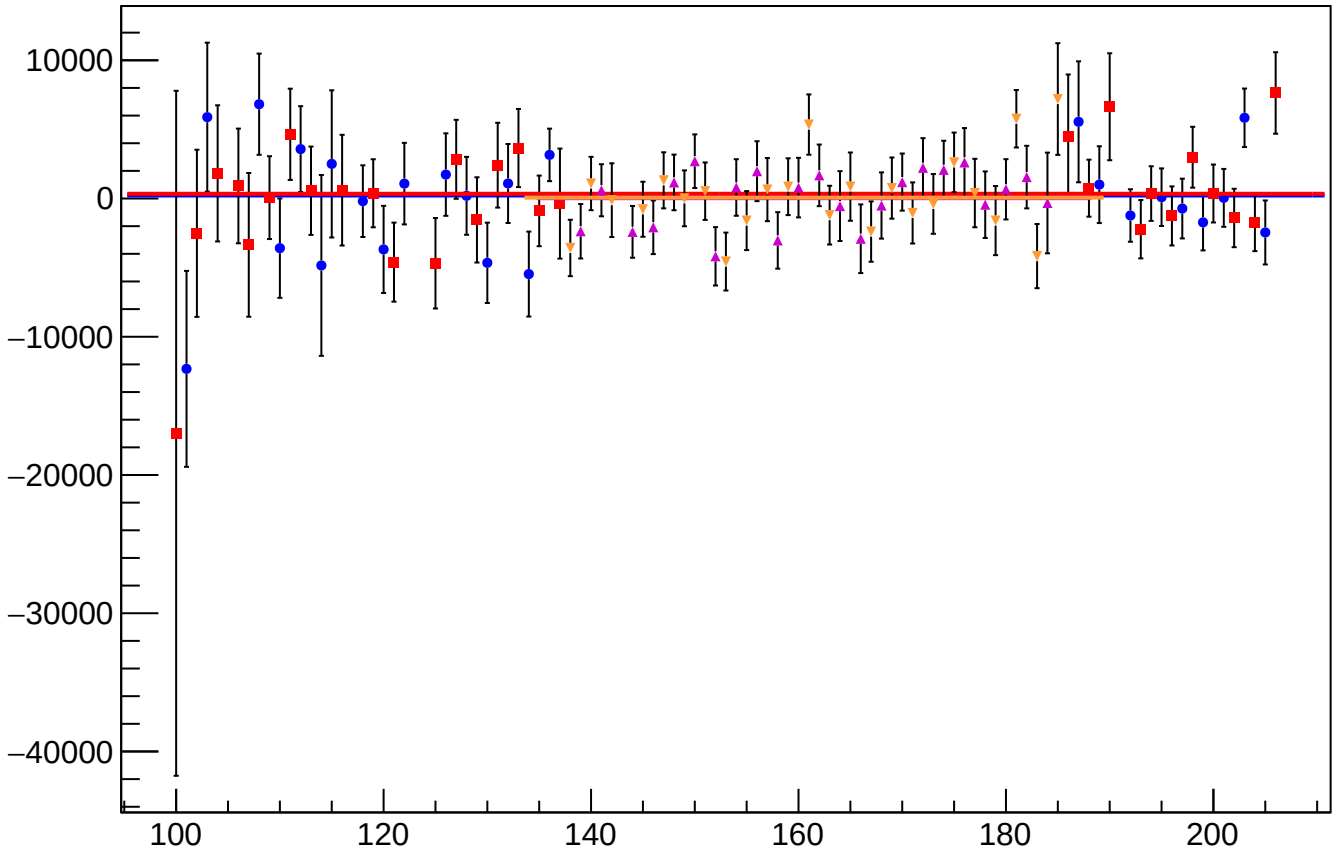
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 686.006+/-0.096 χ^2/NDF: 7457060.7/53

In: 553.022+/-0.079 χ^2/NDF:14318640.3/47

Out: 480.539+/-0.072 χ^2/NDF:22695574.0/52

All: 513.465+/-0.053 χ^2/NDF: 37478004.0/10



Right In: 219.263+/-543.926 χ^2/NDF: 32.8/24

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 343.663+/-523.890 χ^2/NDF: 26.5/28

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

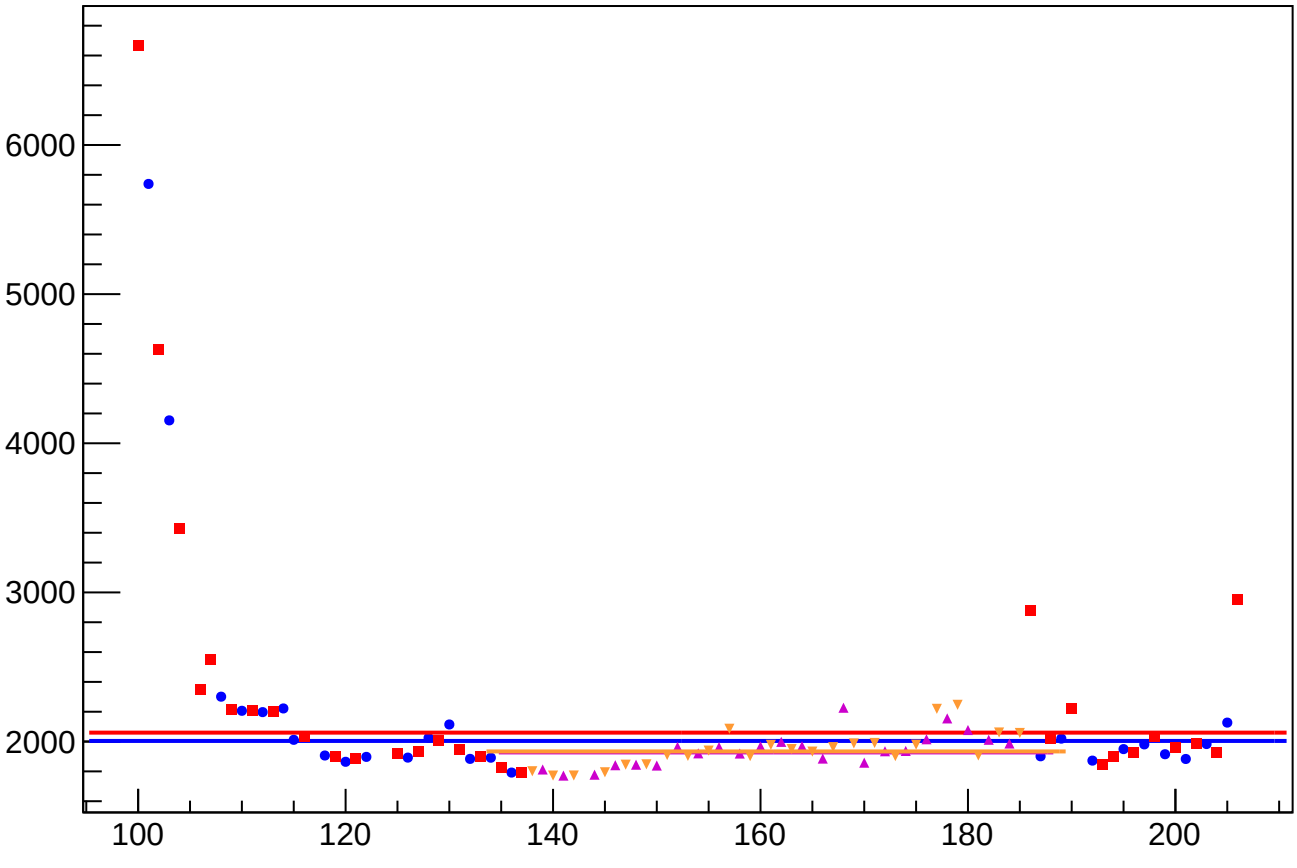
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 283.796+/-377.331 χ^2/NDF: 59.3/53

In: 104.434+/-347.068 χ^2/NDF:52.9/47

Out: 184.191+/-341.250 χ^2/NDF:60.2/52

All: 144.986+/-243.331 χ^2/NDF: 113.1/100



Right In: 2004.116+/-0.385 χ^2/NDF: 978435.3/24

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2059.863+/-0.370 χ^2/NDF: 994480.9/28

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

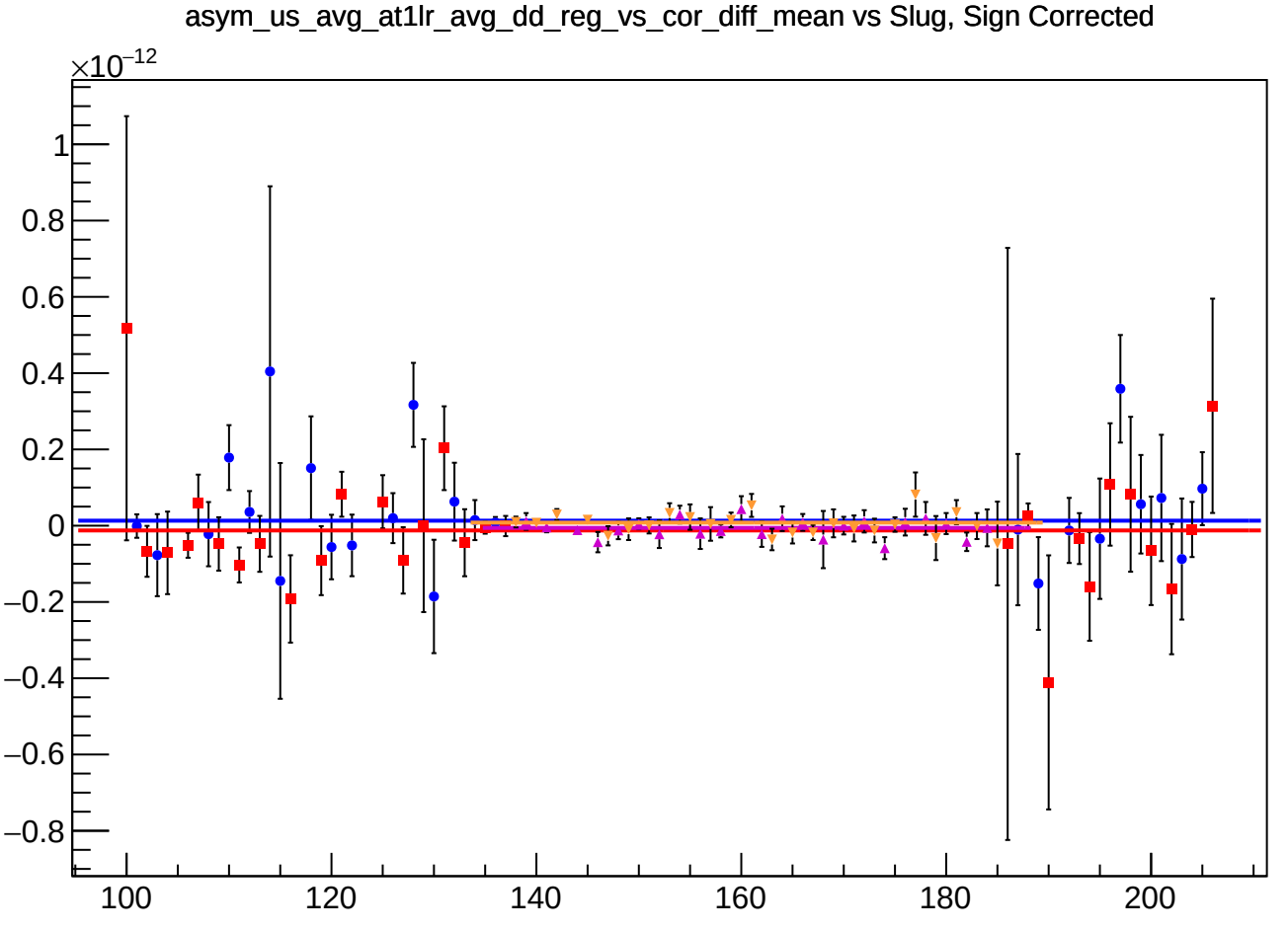
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

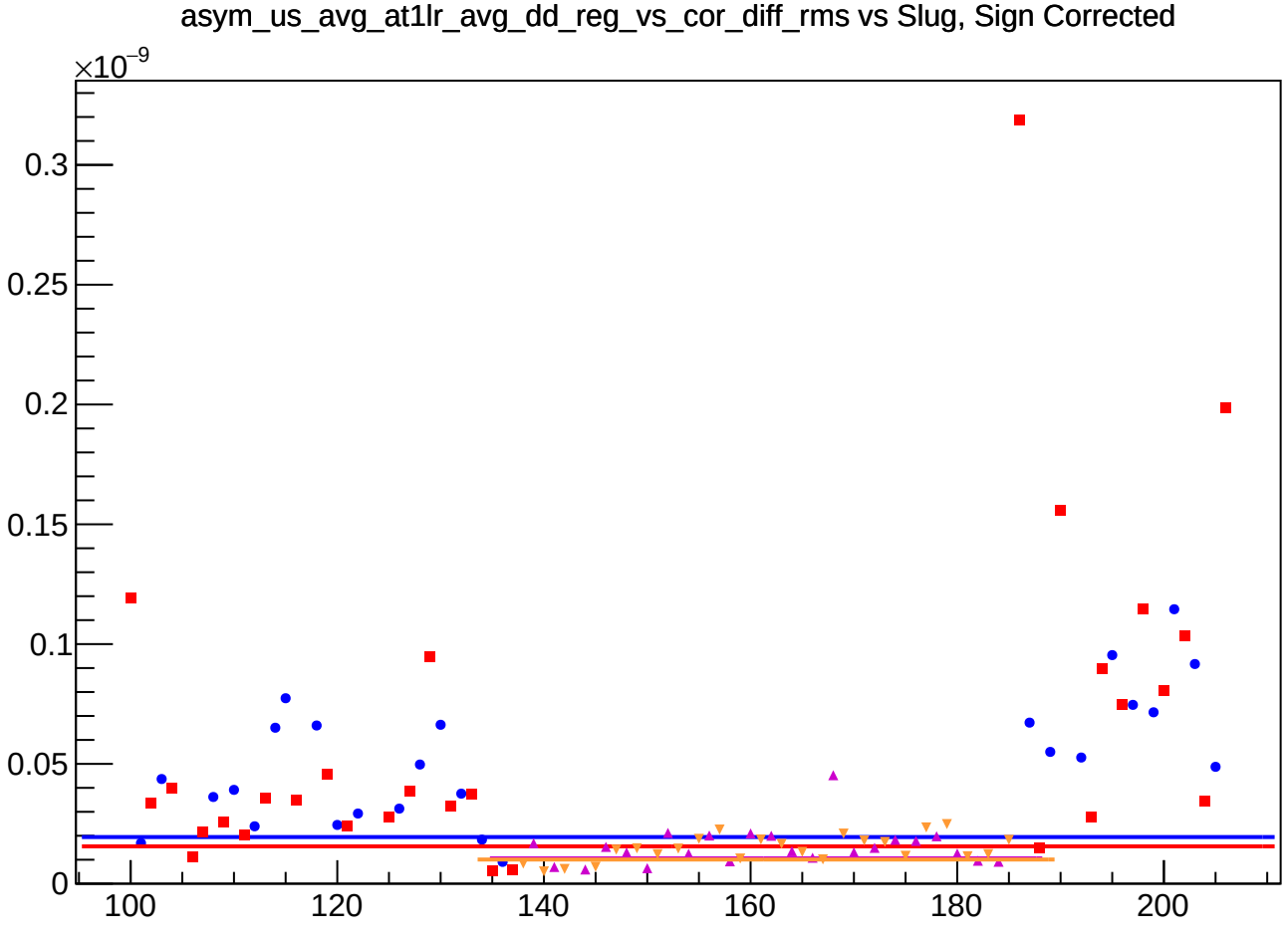
Right: 2033.035+/-0.267 χ^2/NDF: 1983814.7/53

In: 1958.471+/-0.245 χ^2/NDF:1118627.4/47

Out: 1987.290+/-0.241 χ^2/NDF:1189677.8/52

All: 1973.124+/-0.172 χ^2/NDF: 2315316.5/10


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/28
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 58.5/53
In: -0.000+/-0.000 χ²/NDF:46.7/47
Out: 0.000+/-0.000 χ²/NDF:49.0/52
All: 0.000+/-0.000 χ²/NDF: 97.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5070562.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6571869.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

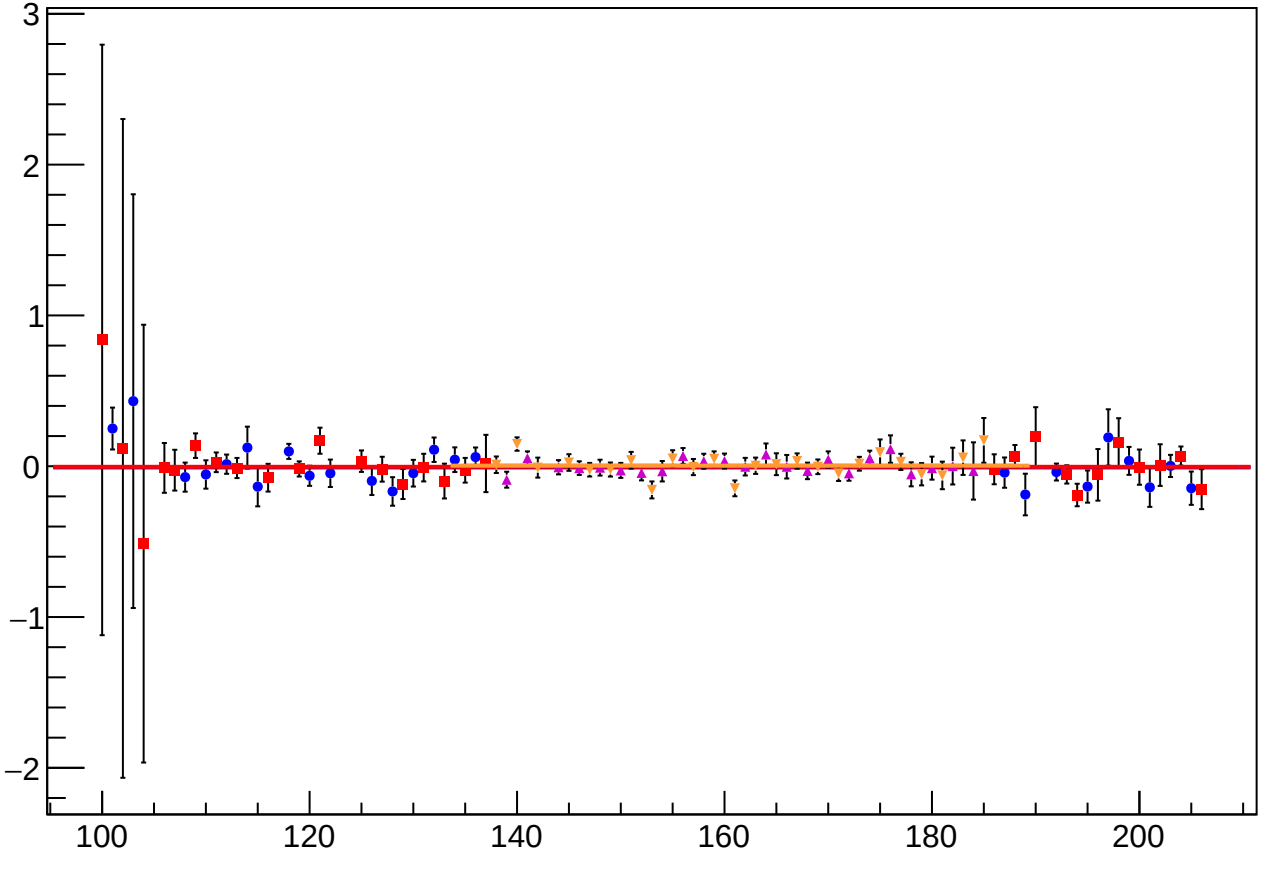
Right: 0.000+/-0.000 χ^2/NDF: 11779068.1/53

In: 0.000+/-0.000 χ^2/NDF:8736238.4/47

Out: 0.000+/-0.000 χ^2/NDF:9371152.3/52

All: 0.000+/-0.000 χ^2/NDF: 18150048.0/100

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

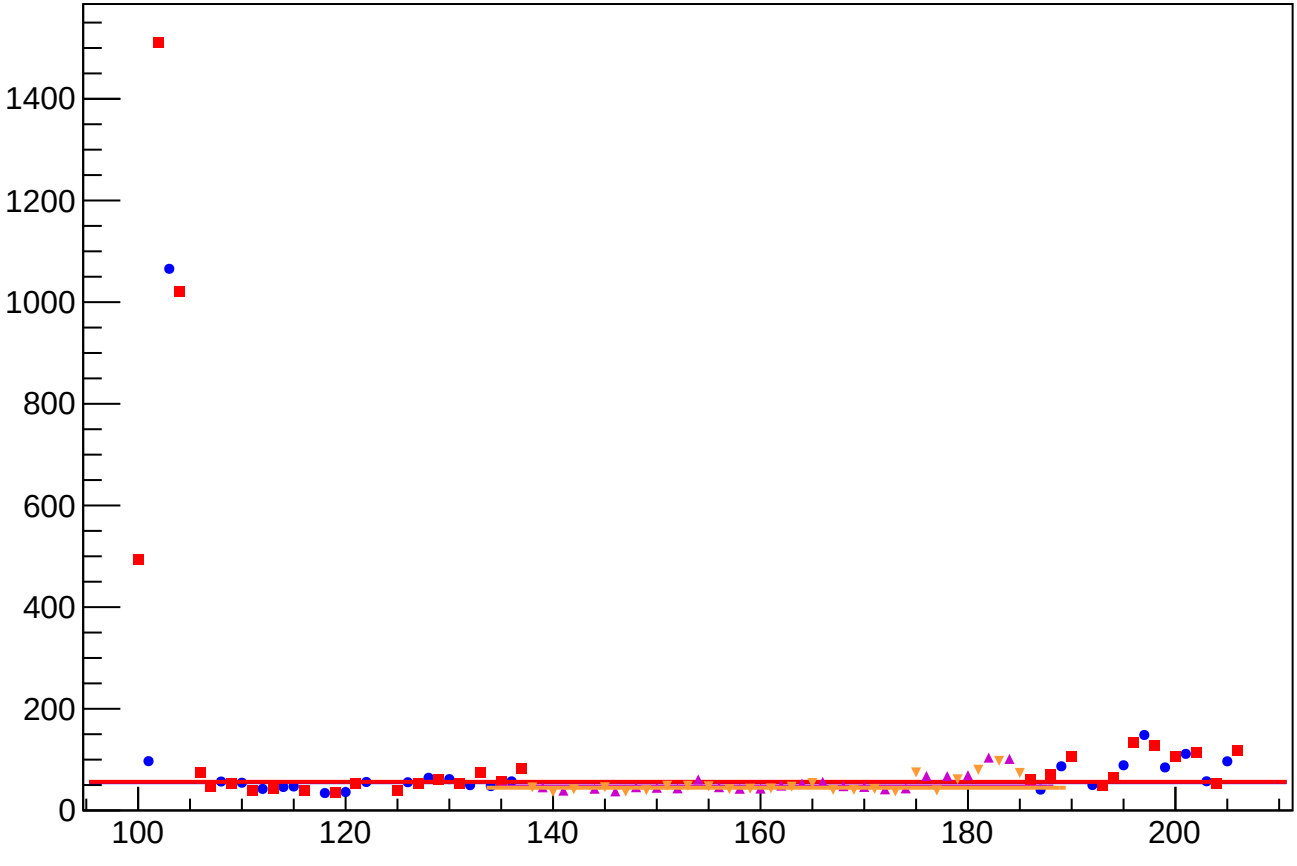
Right: -0.006+/-0.012 χ^2/NDF: 49.9/53

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 99.8/100

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

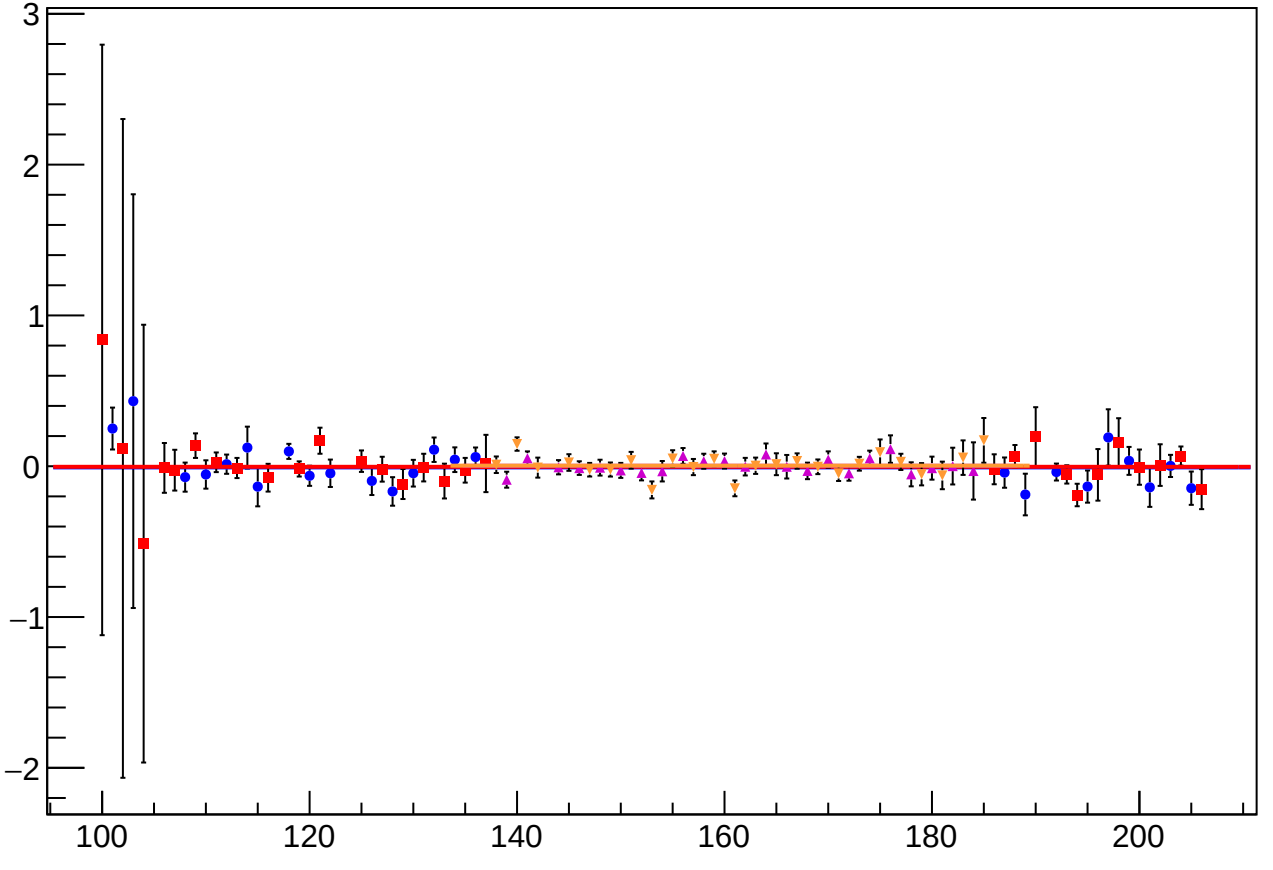
Right: 55.966+/-0.009 χ^2/NDF: 8621053.9/53

In: 49.793+/-0.007 χ^2/NDF:5371554.6/47

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.042+/-0.005 χ^2/NDF: 12468427.4/100

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

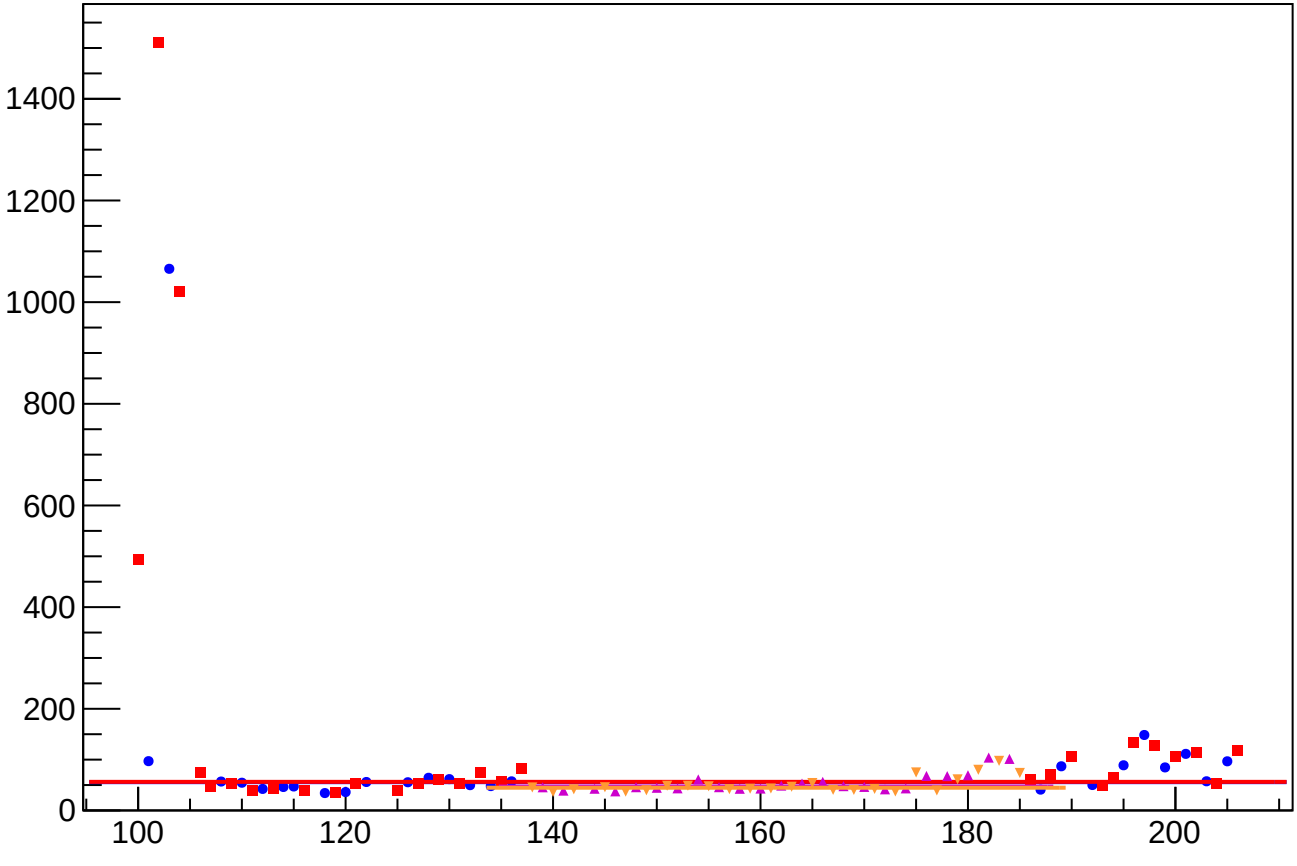
Right: -0.006+/-0.012 χ^2/NDF: 49.9/53

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 99.8/100

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

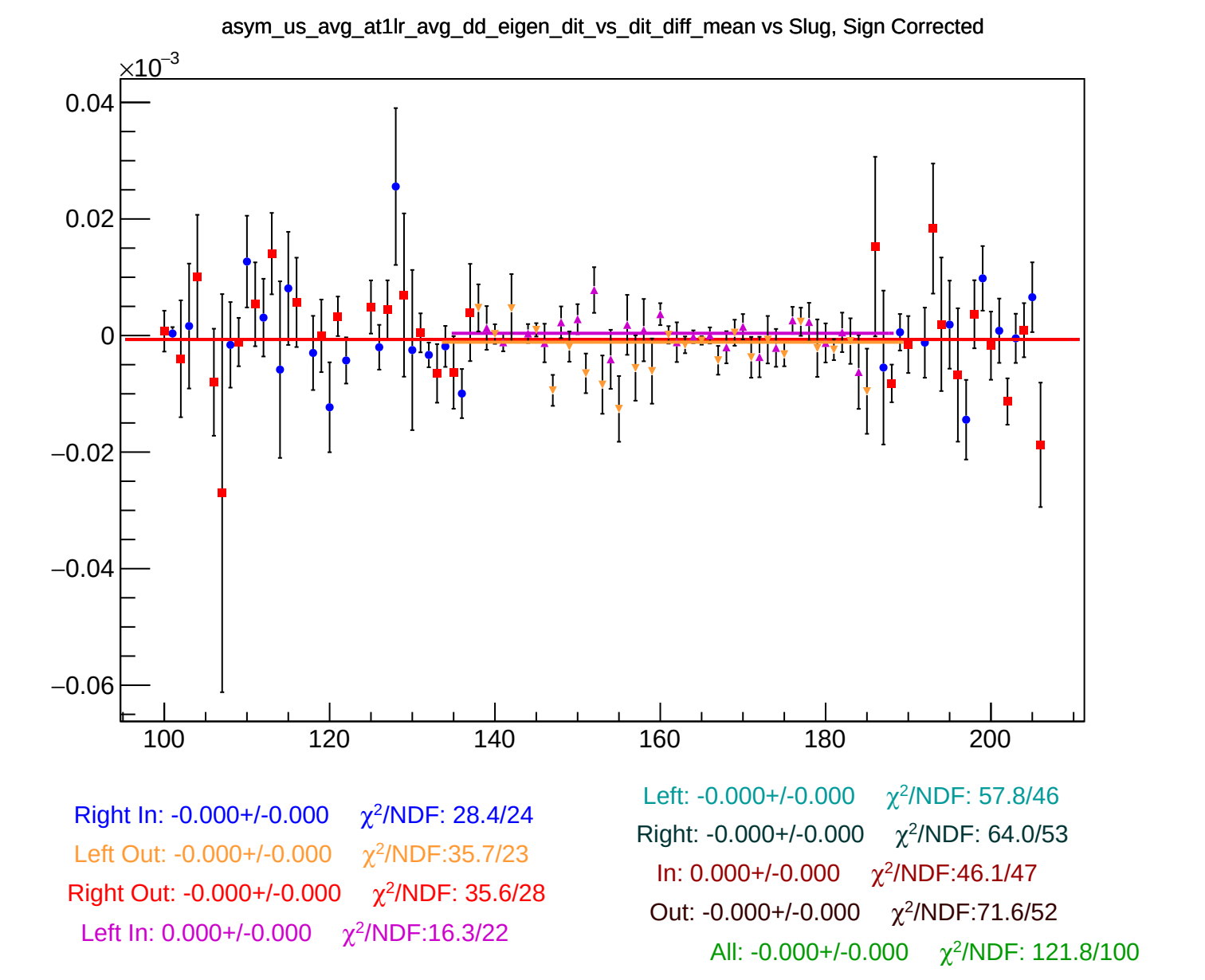
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.966+/-0.009 χ^2/NDF: 8621053.9/53

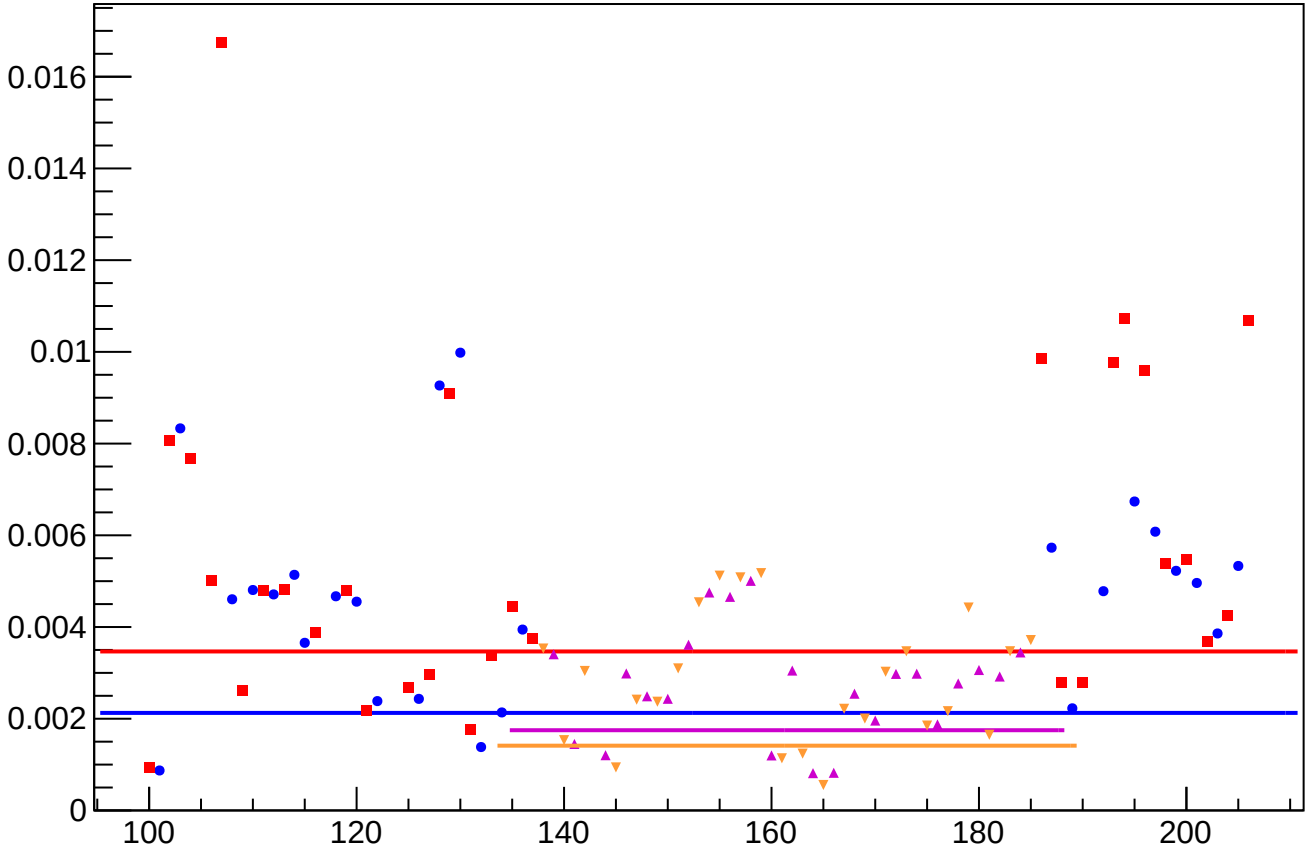
In: 49.793+/-0.007 χ^2/NDF:5371554.6/47

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.042+/-0.005 χ^2/NDF: 12468427.4/100


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.4/24
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.6/28
Left In: 0.000+/-0.000 χ²/NDF:16.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.8/46
Right: -0.000+/-0.000 χ²/NDF: 64.0/53
In: 0.000+/-0.000 χ²/NDF:46.1/47
Out: -0.000+/-0.000 χ²/NDF:71.6/52
All: -0.000+/-0.000 χ²/NDF: 121.8/100

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10557251.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7613531.1/28

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

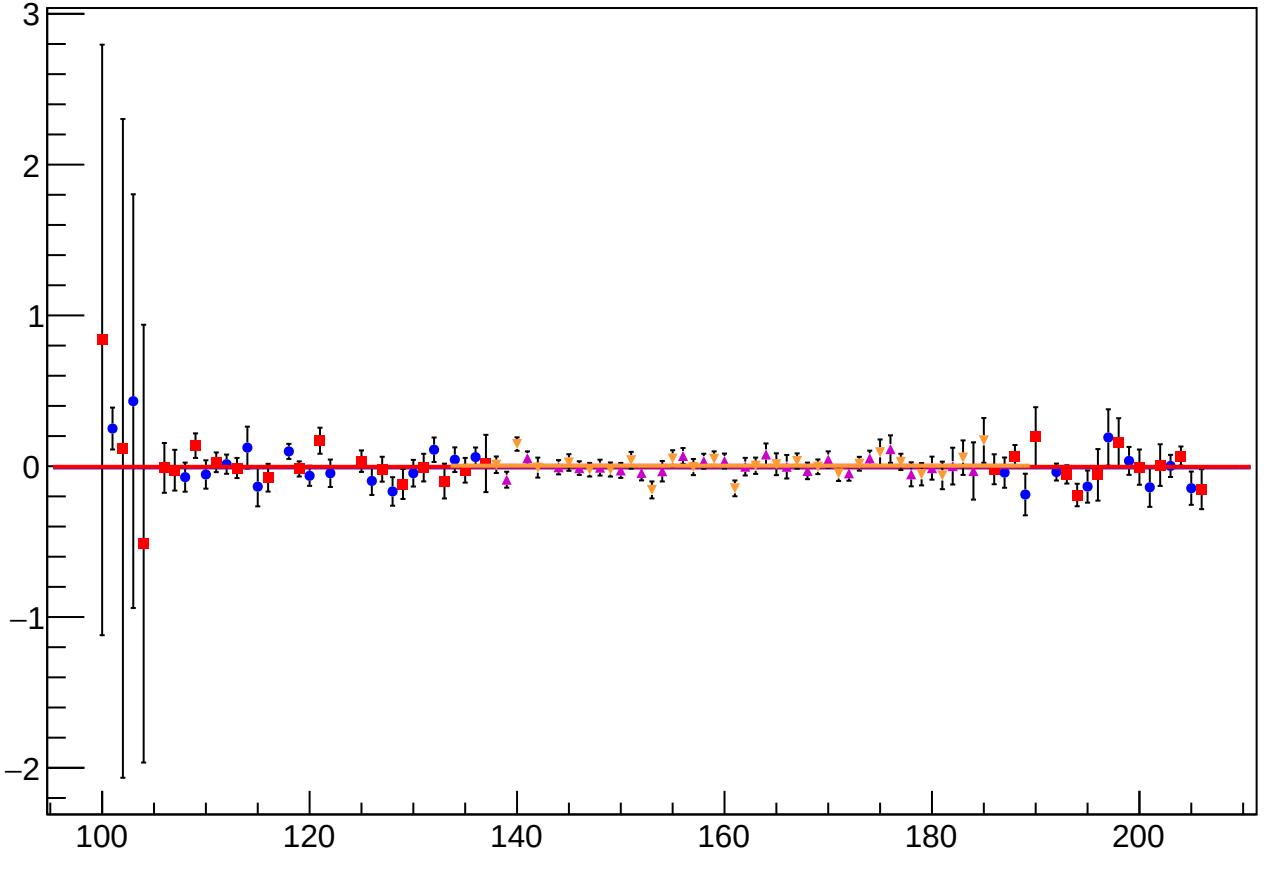
Right: 0.003+/-0.000 χ^2/NDF: 20383747.4/53

In: 0.002+/-0.000 χ^2/NDF:19150844.8/47

Out: 0.002+/-0.000 χ^2/NDF:26075121.5/52

All: 0.002+/-0.000 χ^2/NDF: 45407755.9/100

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

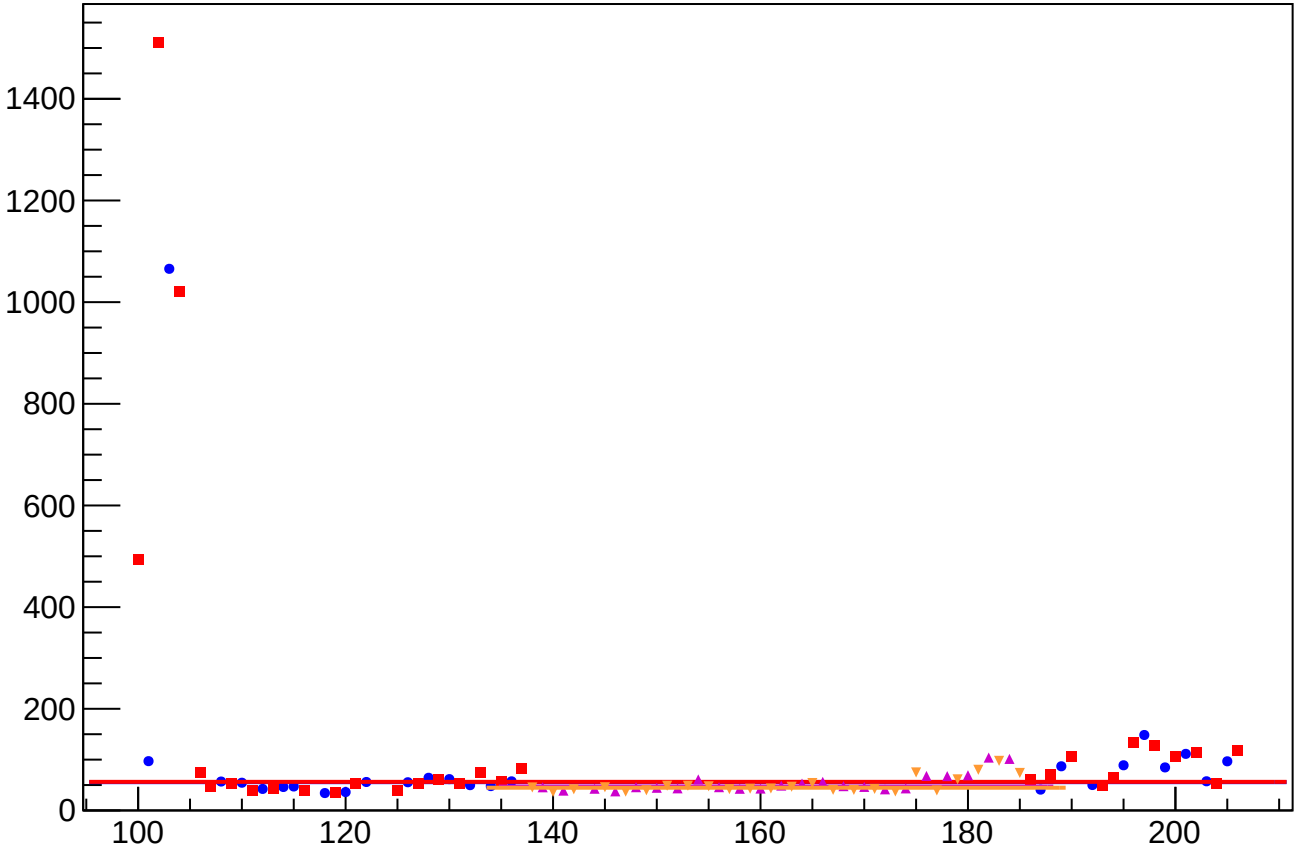
Right: -0.006+/-0.012 χ^2/NDF: 49.9/53

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 99.8/100

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

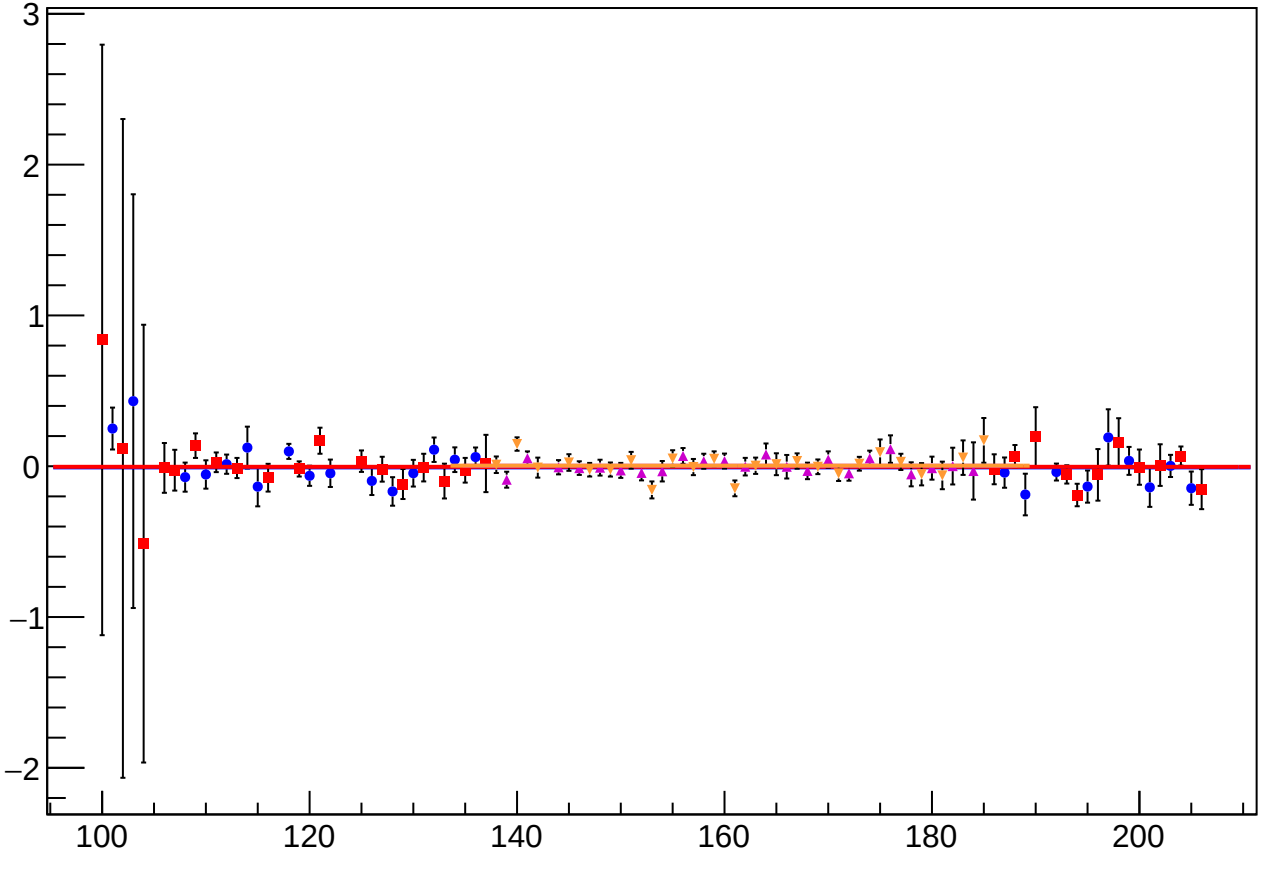
Right: 55.965+/-0.009 χ^2/NDF: 8621247.3/53

In: 49.792+/-0.007 χ^2/NDF:5371623.8/47

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.041+/-0.005 χ^2/NDF: 12468562.0/100

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

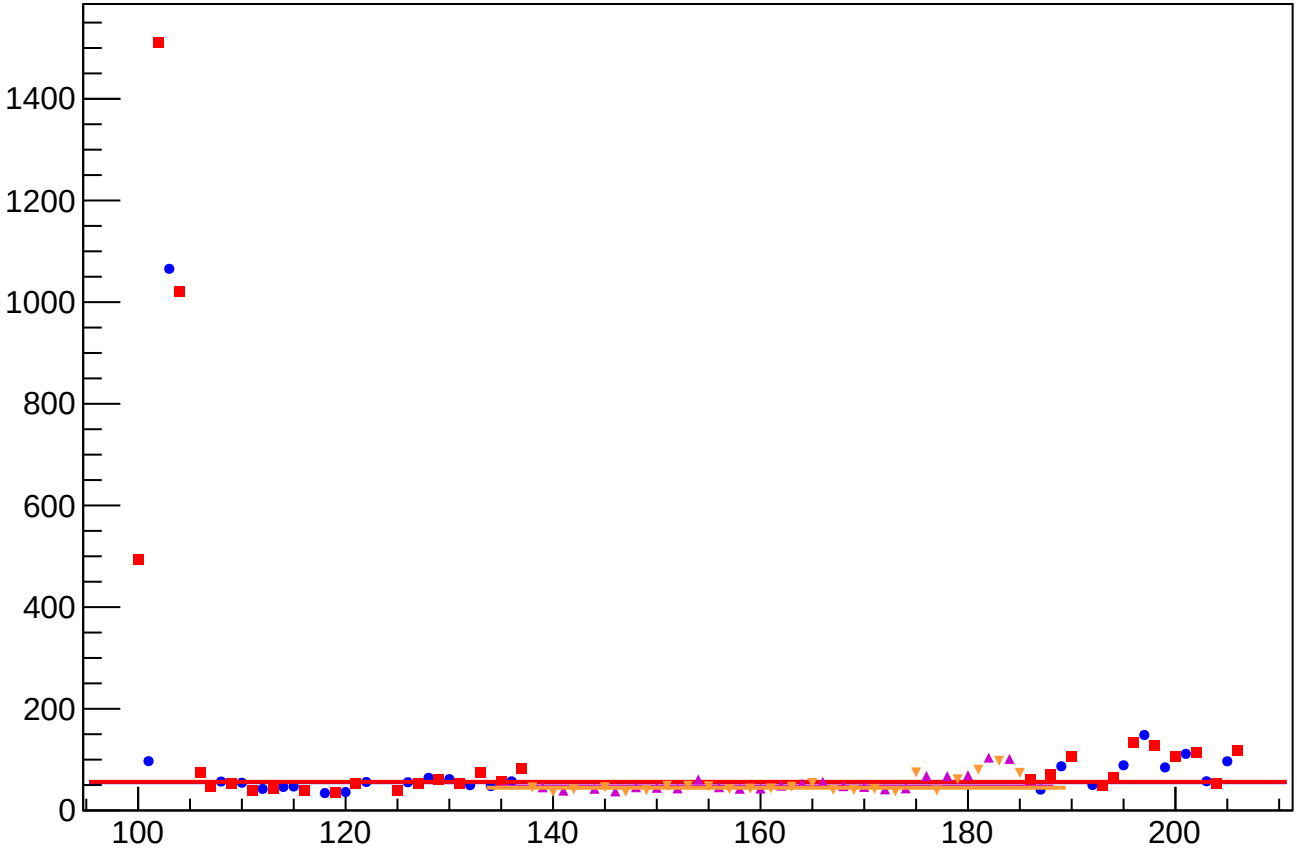
Right: -0.006+/-0.012 χ^2/NDF: 49.9/53

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 99.8/100

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

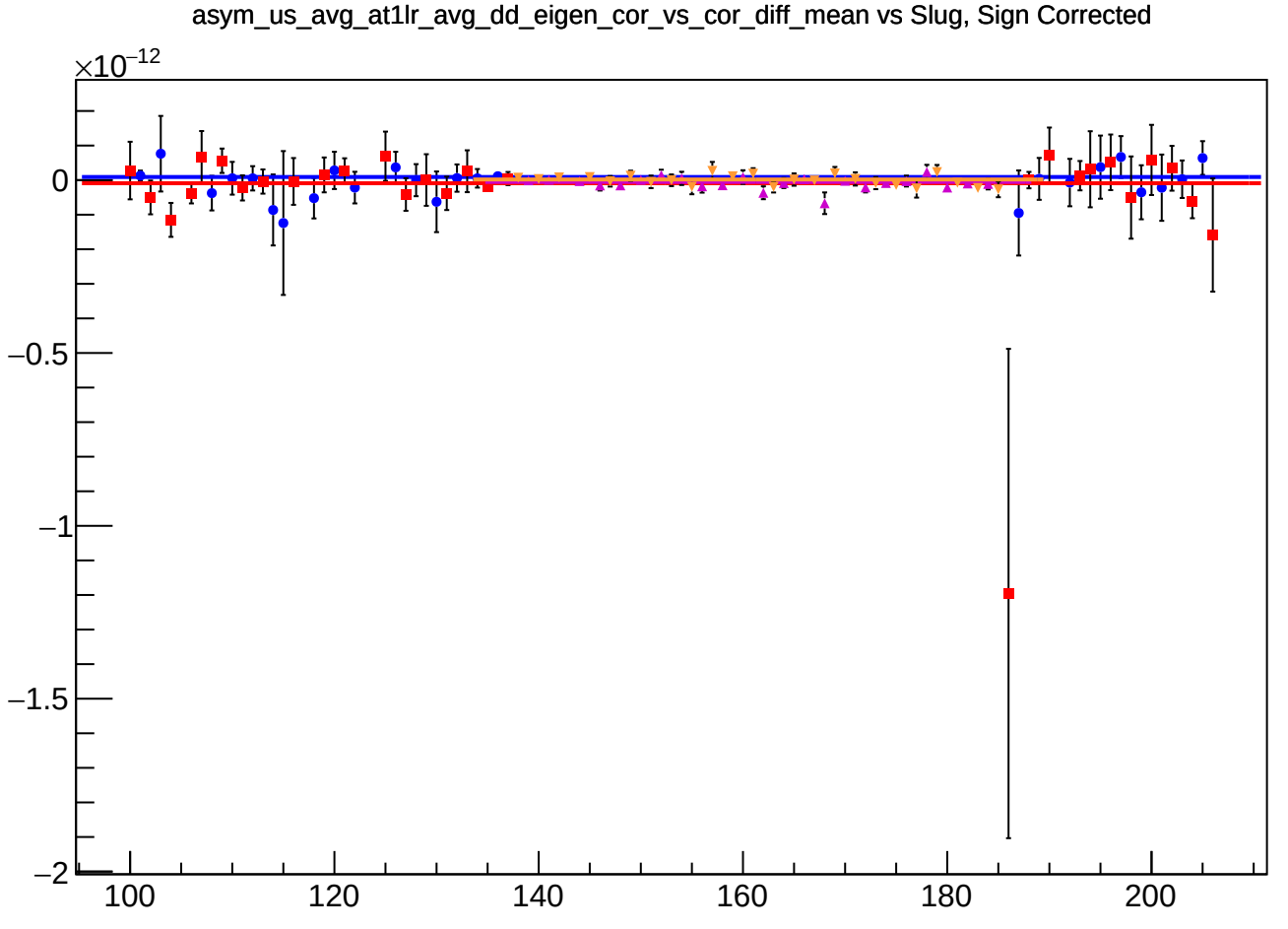
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.965+/-0.009 χ^2/NDF: 8621247.3/53

In: 49.792+/-0.007 χ^2/NDF:5371623.8/47

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.041+/-0.005 χ^2/NDF: 12468562.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

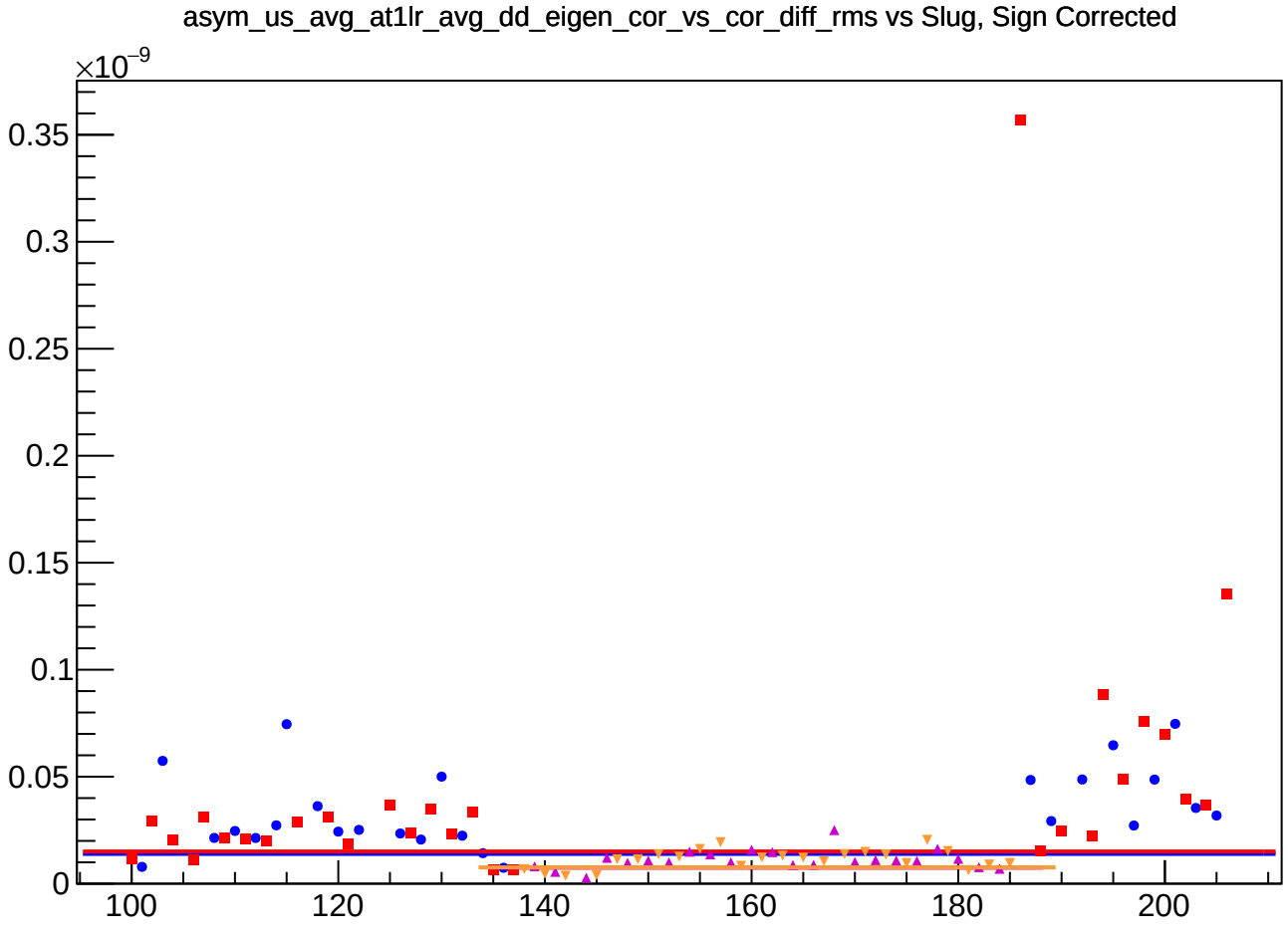
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: 0.000+/-0.000 χ^2/NDF: 37.0/53

In: -0.000+/-0.000 χ^2/NDF:31.2/47

Out: 0.000+/-0.000 χ^2/NDF:47.2/52

All: -0.000+/-0.000 χ^2/NDF: 79.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 6429614.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7801305.7/28

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

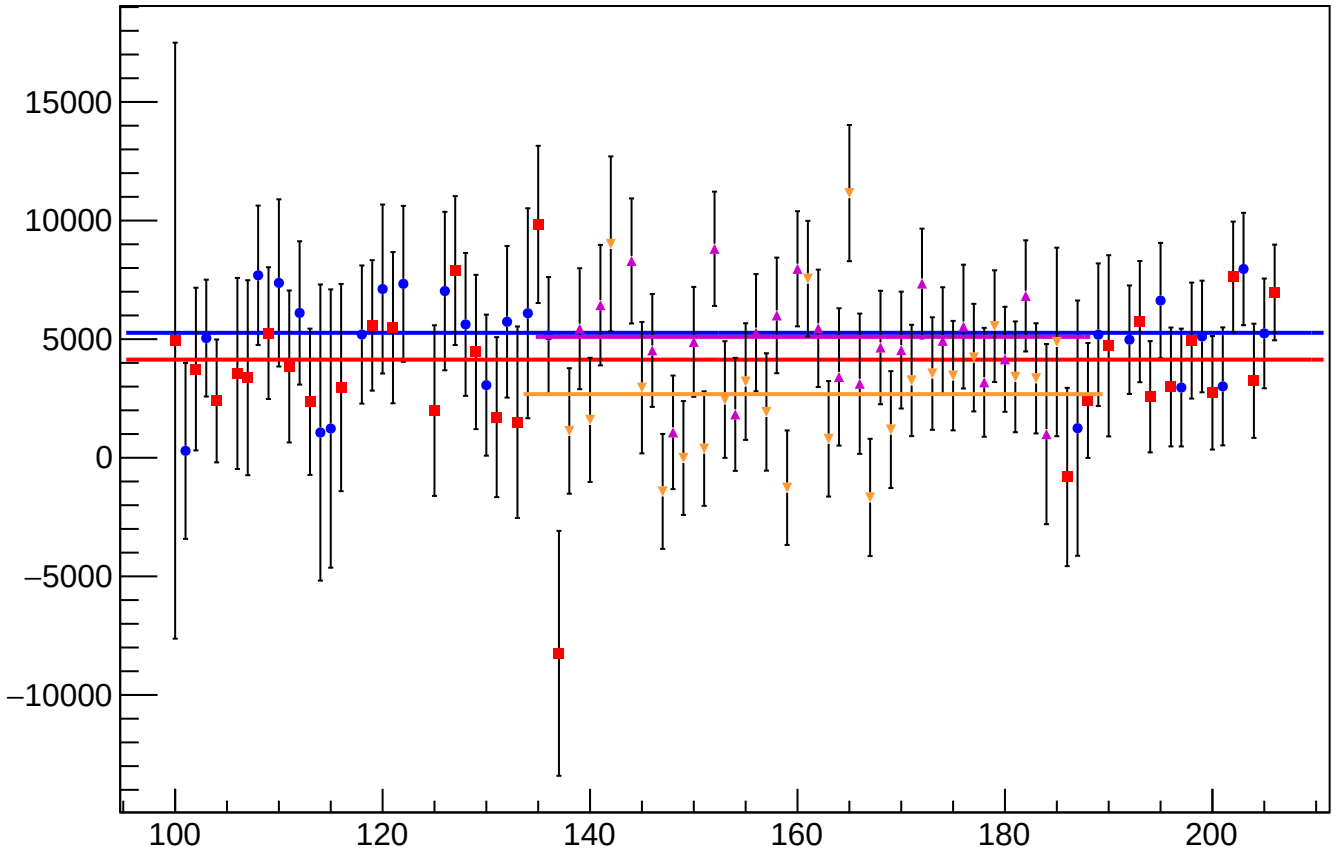
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14260617.1/53

In: 0.000+/-0.000 χ^2/NDF:14202487.4/47

Out: 0.000+/-0.000 χ^2/NDF:15586347.4/52

All: 0.000+/-0.000 χ^2/NDF: 29799226.6/100



Right In: 5267.446+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.412+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

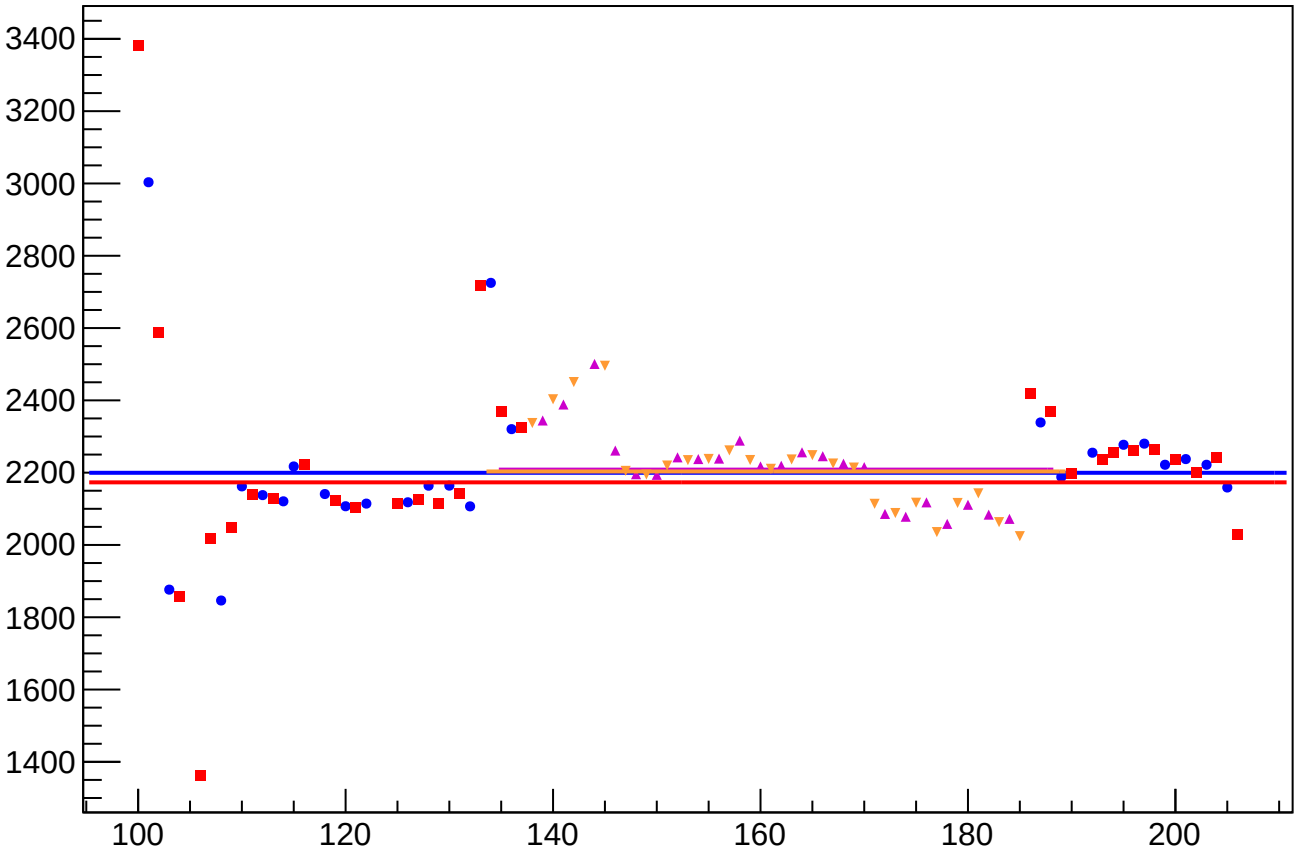
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4666.404+/-402.707 χ^2/NDF: 32.4/53

In: 5170.827+/-388.021 χ^2/NDF:24.3/47

Out: 3354.545+/-375.526 χ^2/NDF:55.7/52

All: 4232.971+/-269.846 χ^2/NDF: 91.2/100



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.2/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2173.167+/-0.388 χ^2/NDF: 324214.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

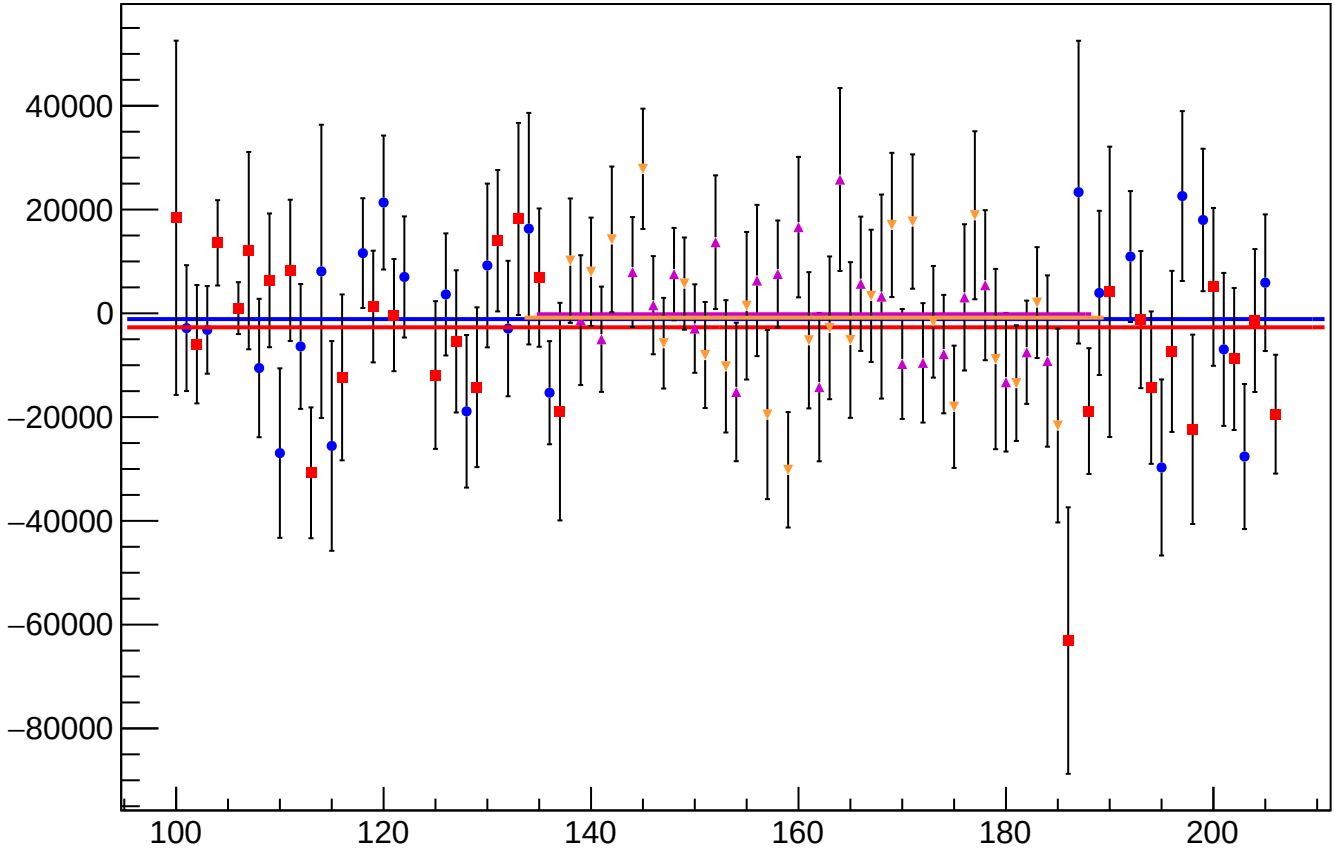
Right: 2185.464+/-0.284 χ^2/NDF: 533055.7/53

In: 2204.570+/-0.274 χ^2/NDF:287921.9/47

Out: 2189.261+/-0.265 χ^2/NDF:415648.5/52

All: 2196.638+/-0.190 χ^2/NDF: 705183.4/100

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1112.096+/-2707.944 χ^2/NDF: 27.1/24

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2694.907+/-2323.157 χ^2/NDF: 28.9/28

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

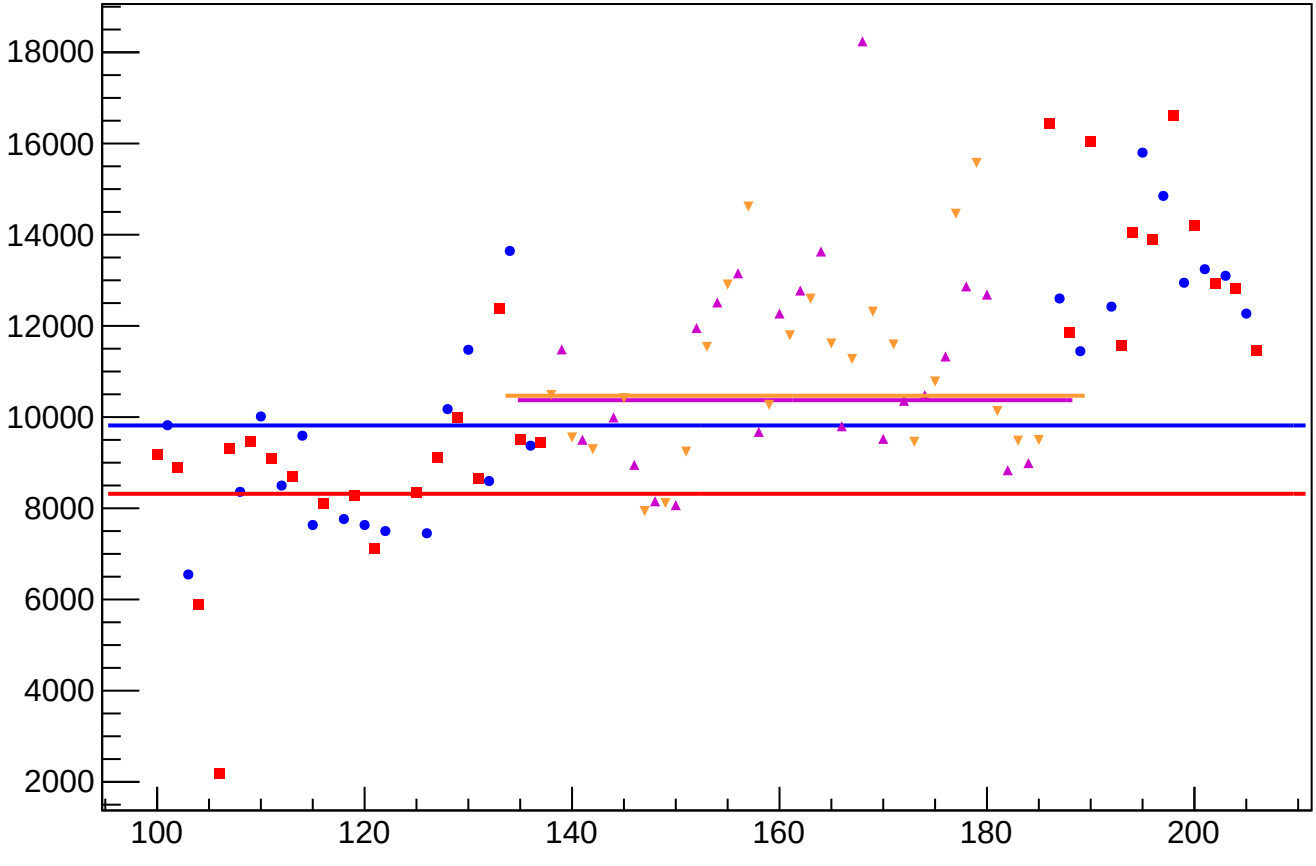
Right: -2023.853+/-1763.209 χ^2/NDF: 56.3/53

In: -604.858+/-1825.381 χ^2/NDF:41.0/47

Out: -1825.463+/-1695.927 χ^2/NDF:58.7/52

All: -1259.973+/-1242.449 χ^2/NDF: 99.9/100

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9816.437+/-1.915 χ^2/NDF: 1720746.4/24

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8318.360+/-1.643 χ^2/NDF: 5909303.0/28

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

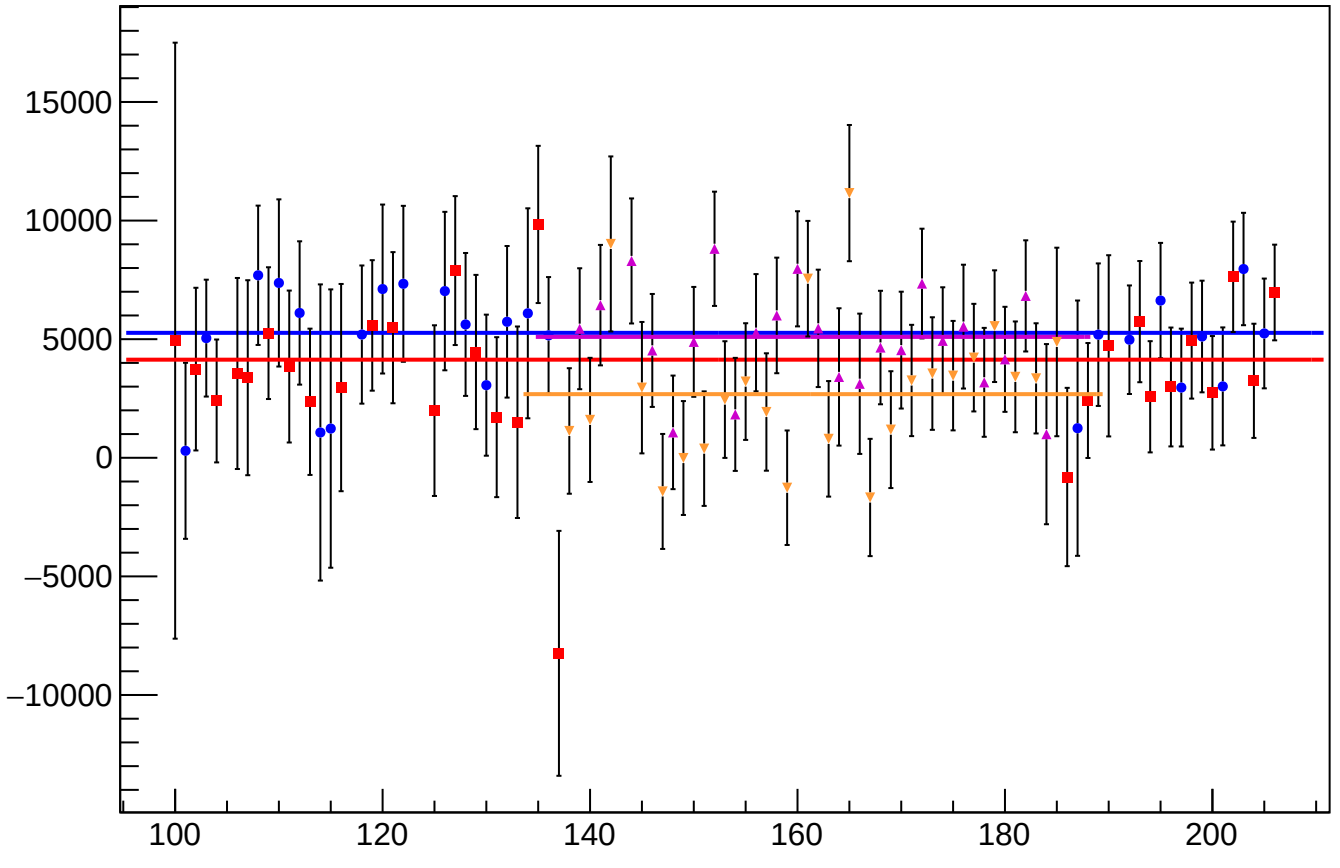
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8953.489+/-1.247 χ^2/NDF: 7982638.8/53

In: 10118.956+/-1.291 χ^2/NDF:2970252.5/47

Out: 9322.743+/-1.199 χ^2/NDF:7754900.4/52

All: 9691.617+/-0.879 χ^2/NDF: 10929384.9/1



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.282+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

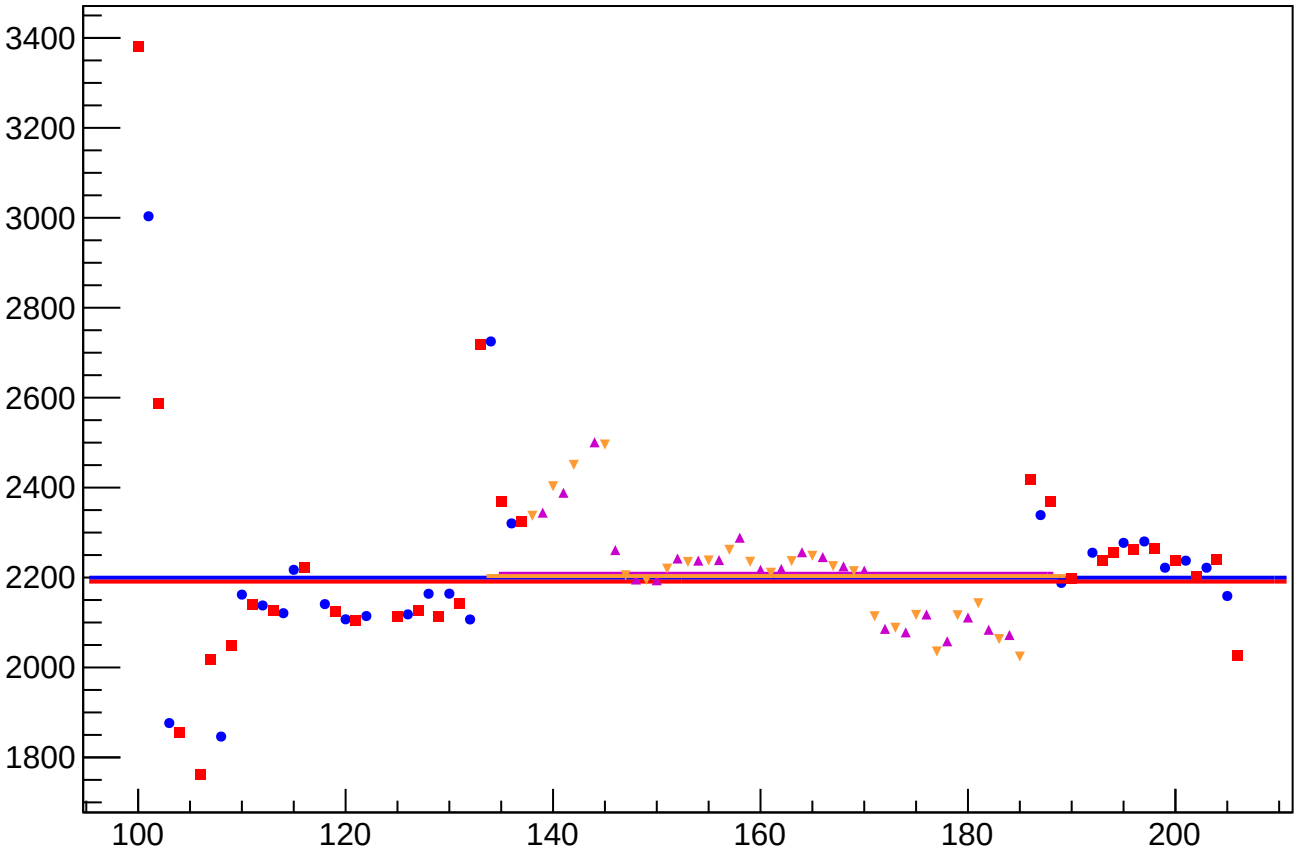
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4666.365+/-402.707 χ^2/NDF: 32.4/53

In: 5170.803+/-388.021 χ^2/NDF:24.3/47

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4232.907+/-269.846 χ^2/NDF: 91.2/100



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

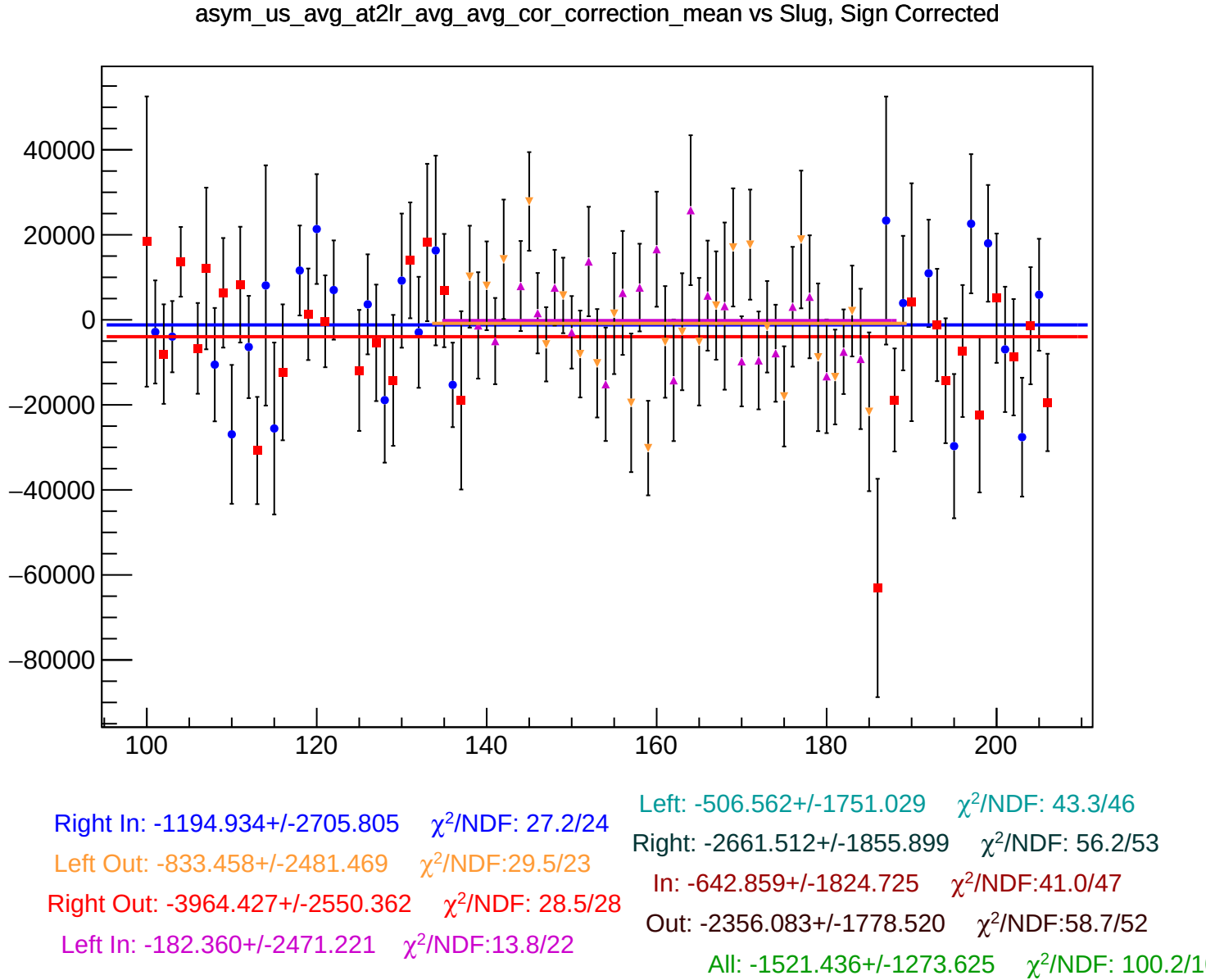
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2195.000+/-0.284 χ^2/NDF: 409067.5/53

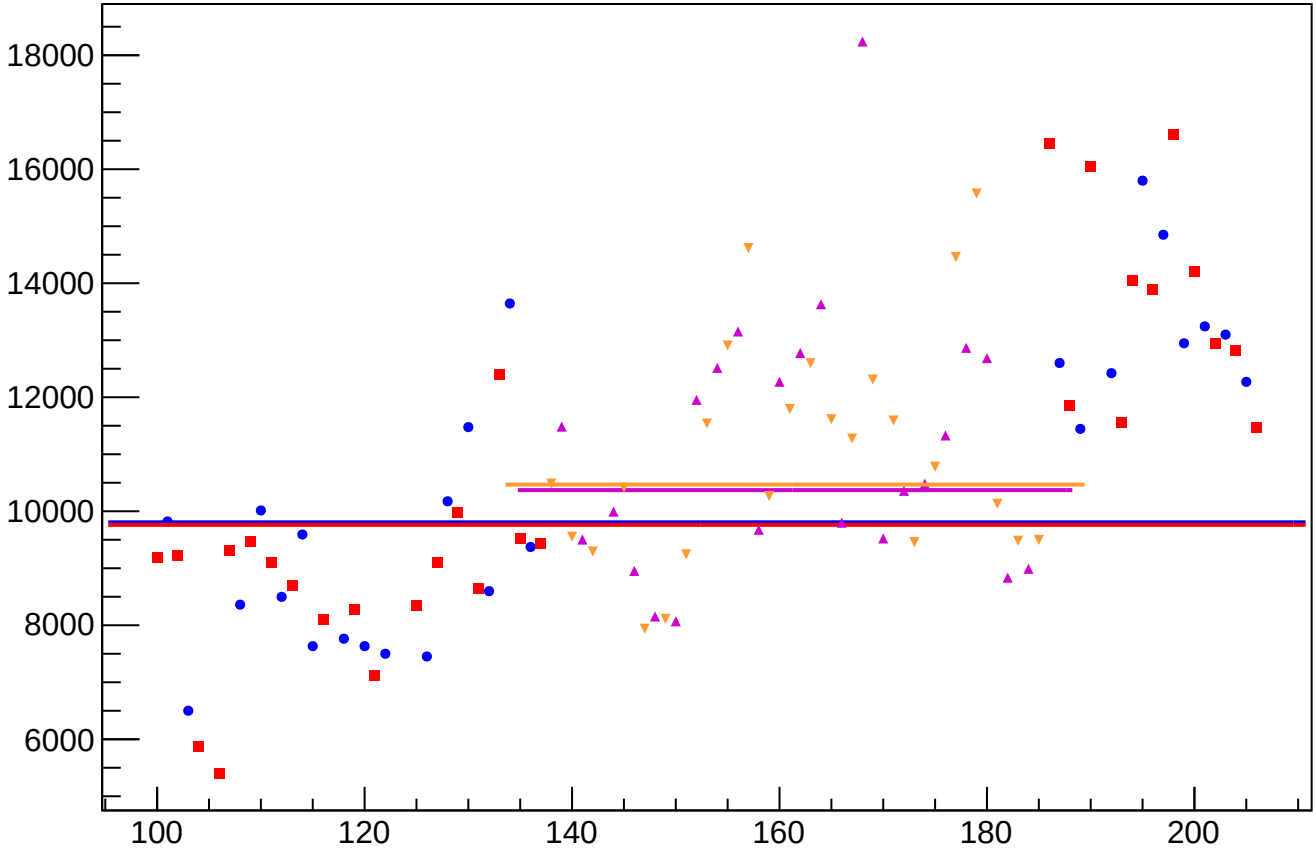
In: 2204.570+/-0.274 χ^2/NDF:287922.3/47

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2200.953+/-0.191 χ^2/NDF: 579164.0/100


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1194.934+/-2705.805 χ²/NDF: 27.2/24
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3964.427+/-2550.362 χ²/NDF: 28.5/28
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2661.512+/-1855.899 χ²/NDF: 56.2/53
In: -642.859+/-1824.725 χ²/NDF:41.0/47
Out: -2356.083+/-1778.520 χ²/NDF:58.7/52
All: -1521.436+/-1273.625 χ²/NDF: 100.2/10

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9806.327+/-1.913 χ^2/NDF: 1734172.9/24

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

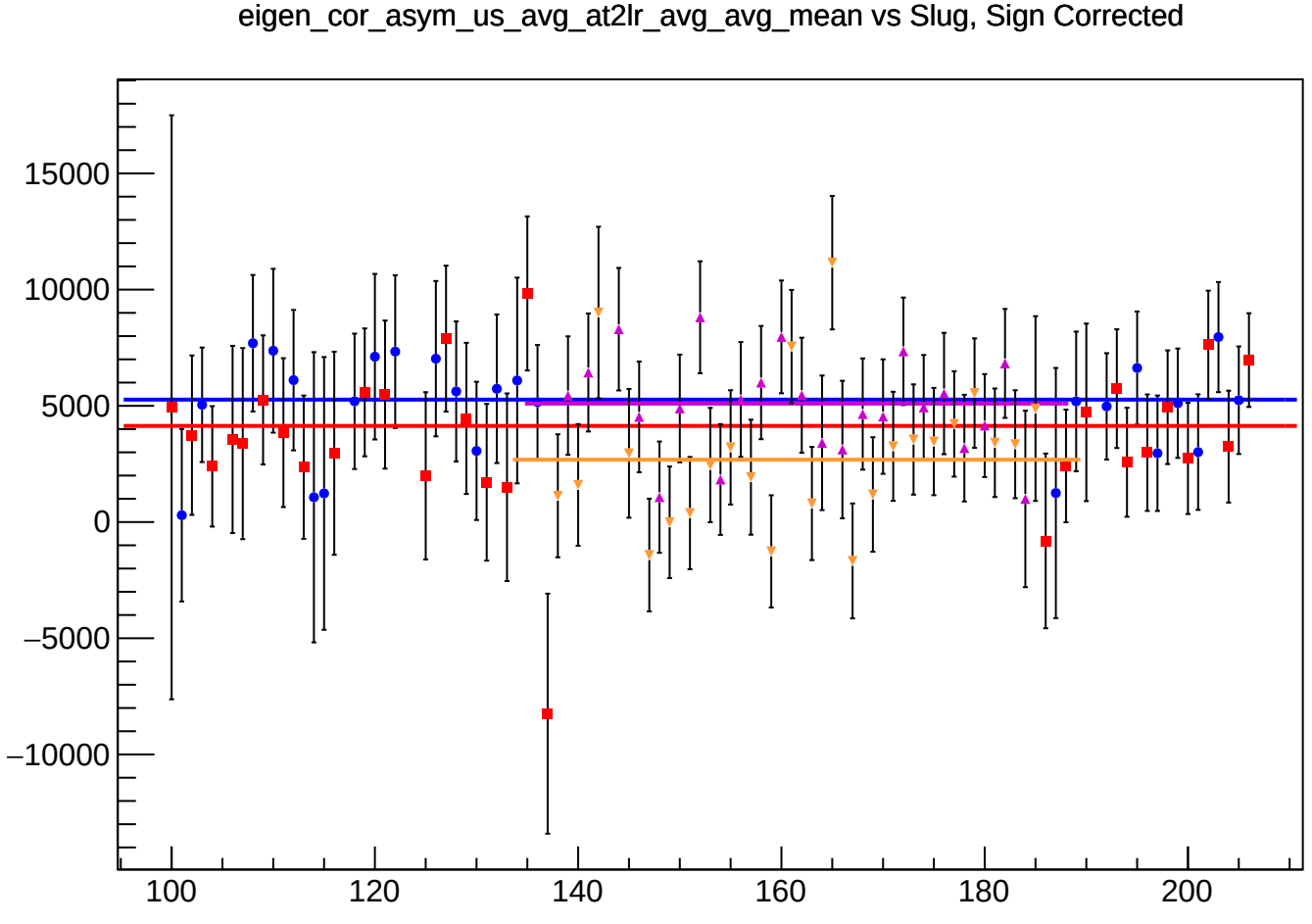
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9782.419+/-1.312 χ^2/NDF: 4149050.3/53

In: 10114.136+/-1.290 χ^2/NDF:2985407.5/47

Out: 10124.612+/-1.258 χ^2/NDF:3538904.8/52

All: 10119.508+/-0.901 χ^2/NDF: 6524346.1/1



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.282+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

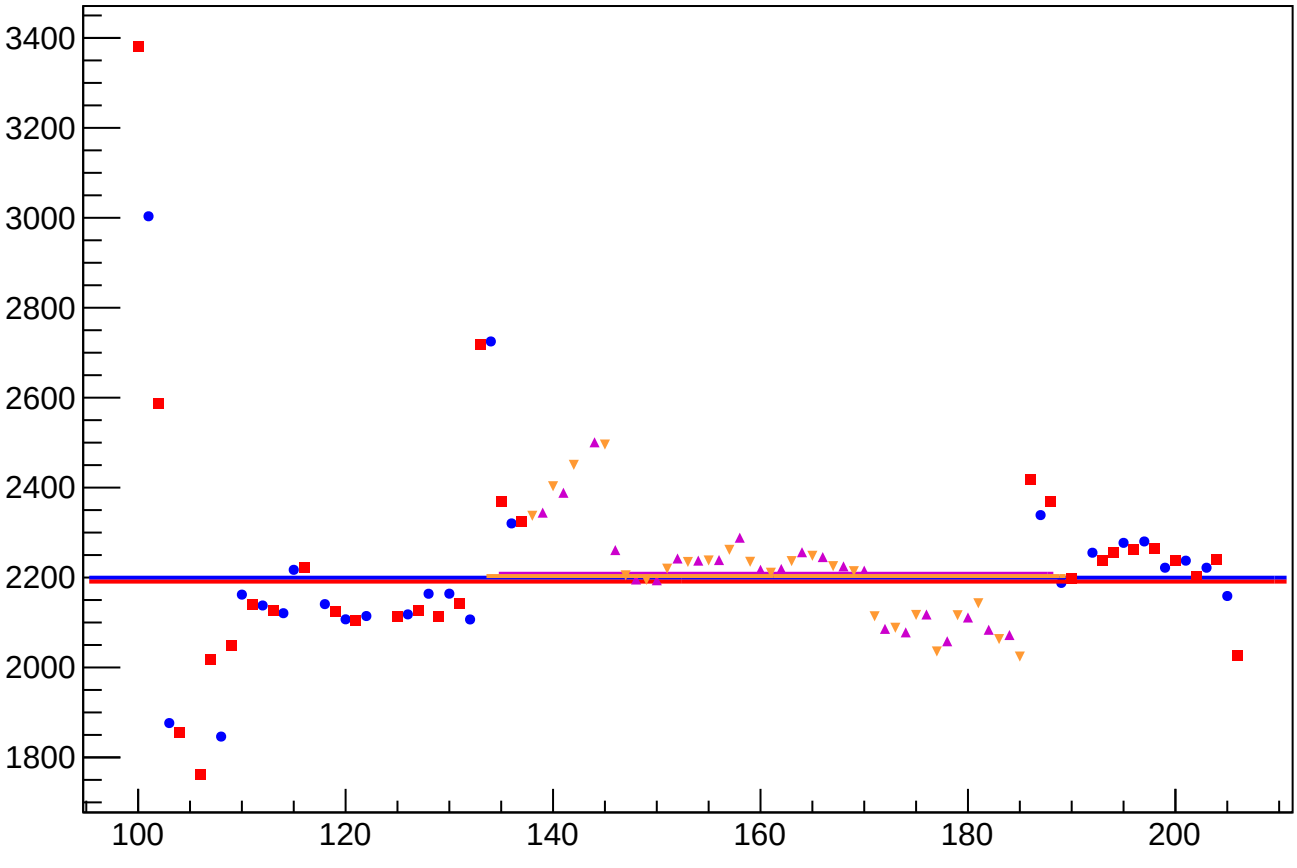
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4666.365+/-402.707 χ^2/NDF: 32.4/53

In: 5170.803+/-388.021 χ^2/NDF:24.3/47

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4232.907+/-269.846 χ^2/NDF: 91.2/100



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

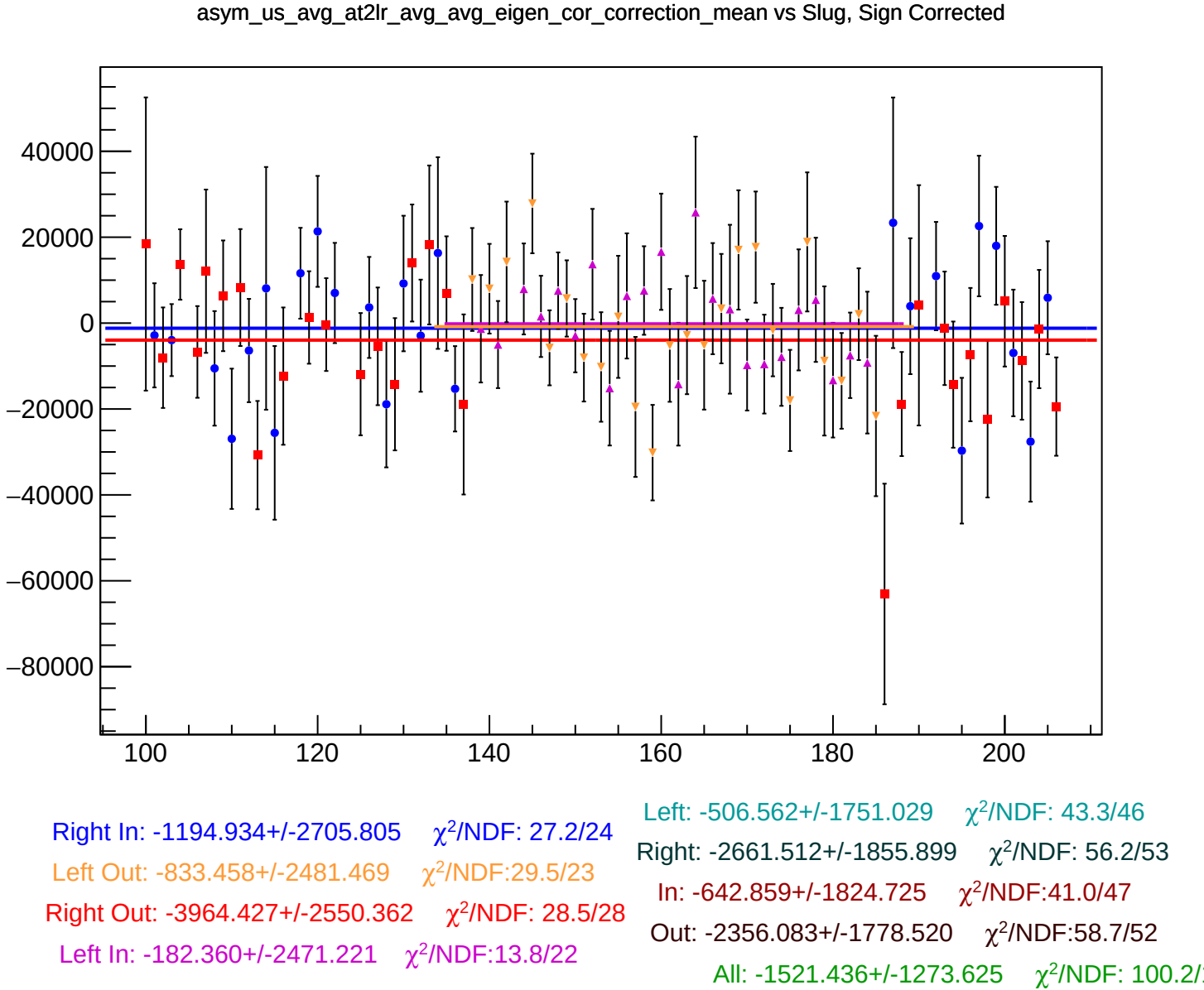
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

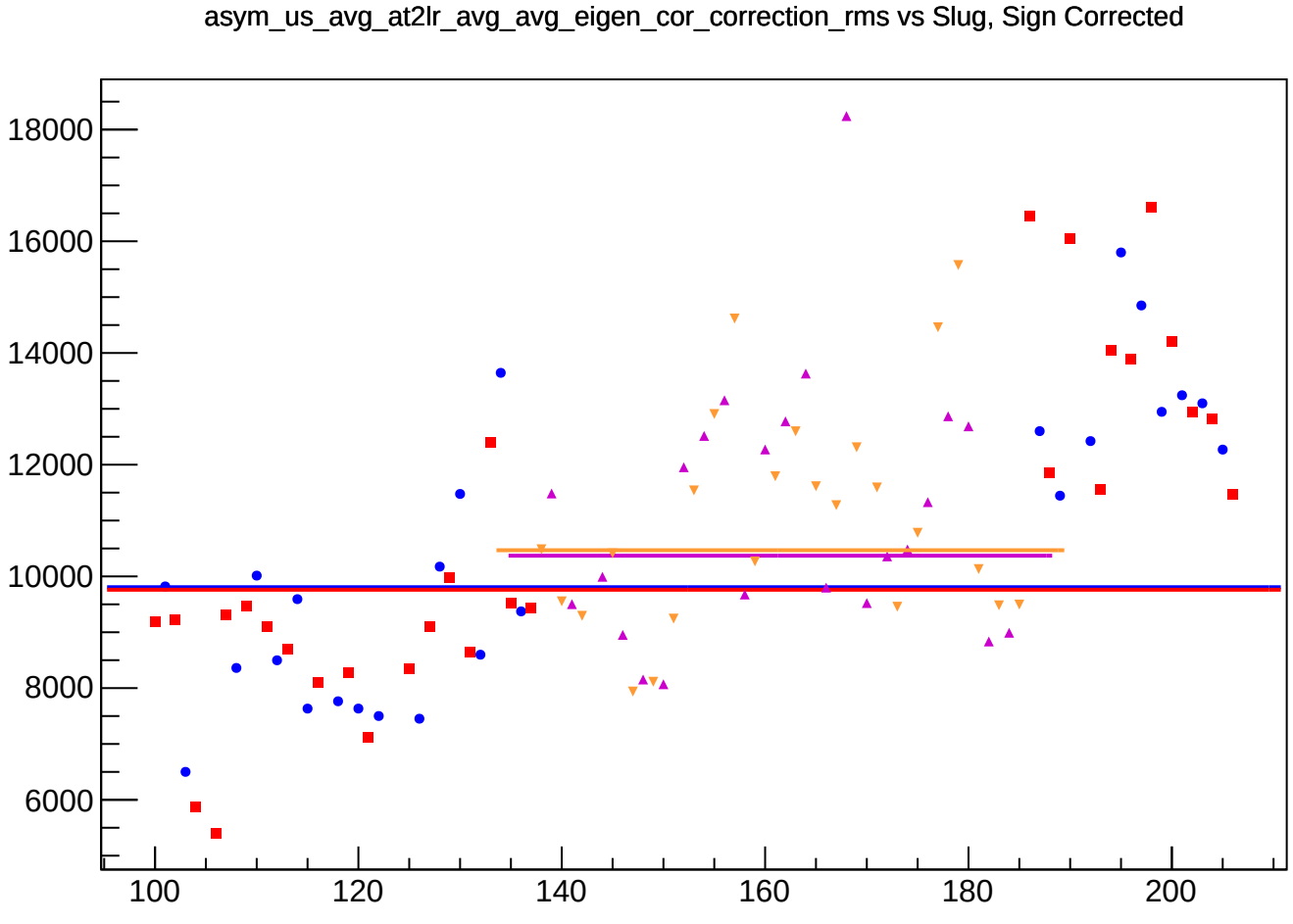
Right: 2195.000+/-0.284 χ^2/NDF: 409067.5/53

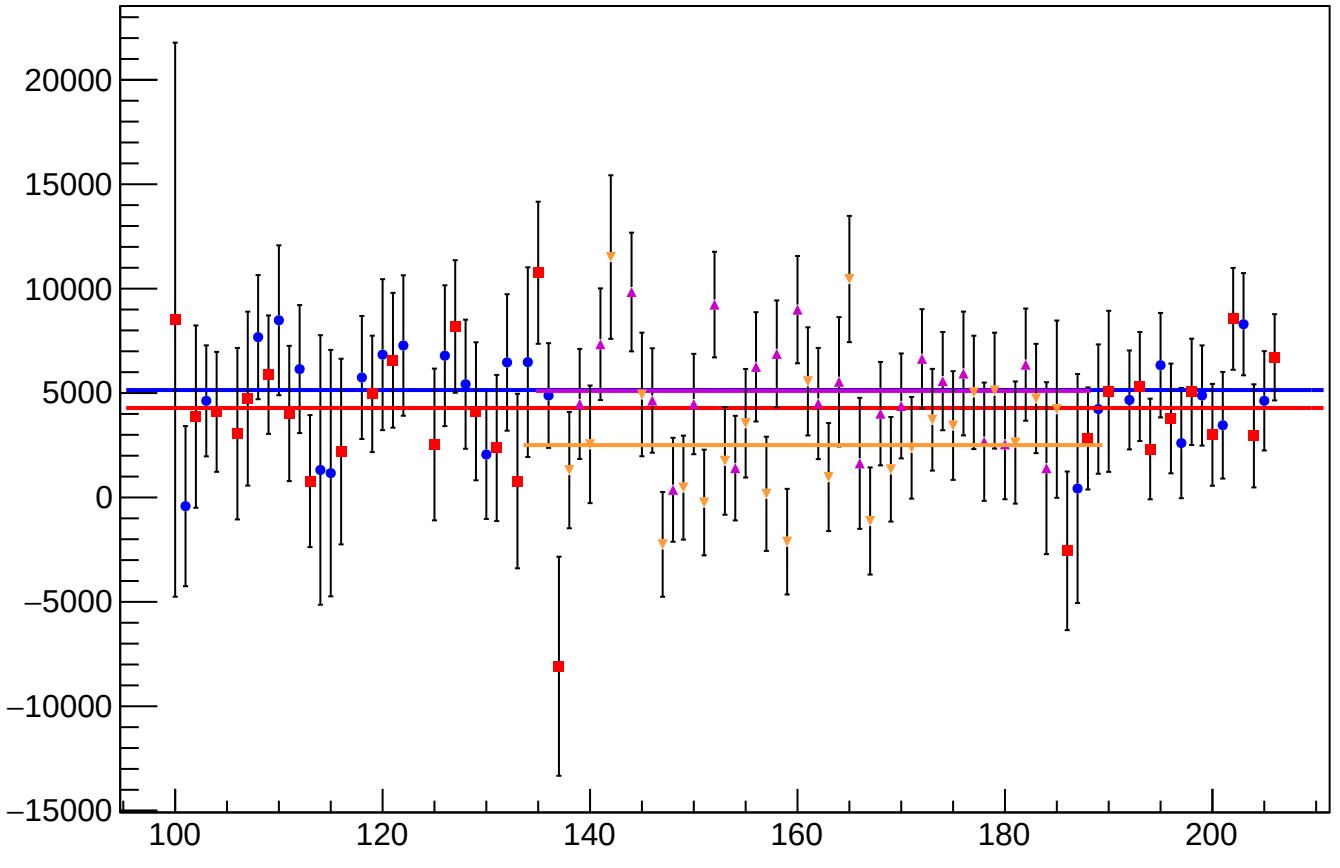
In: 2204.570+/-0.274 χ^2/NDF:287922.3/47

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2200.953+/-0.191 χ^2/NDF: 579164.0/100


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1194.934+/-2705.805 χ²/NDF: 27.2/24
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3964.427+/-2550.362 χ²/NDF: 28.5/28
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2661.512+/-1855.899 χ²/NDF: 56.2/53
In: -642.859+/-1824.725 χ²/NDF:41.0/47
Out: -2356.083+/-1778.520 χ²/NDF:58.7/52
All: -1521.436+/-1273.625 χ²/NDF: 100.2/10


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9806.327+/-1.913 χ²/NDF: 1734172.9/24
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9761.178+/-1.803 χ²/NDF: 2414582.6/28
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9782.419+/-1.312 χ²/NDF: 4149050.3/53
In: 10114.136+/-1.290 χ²/NDF:2985407.5/47
Out: 10124.612+/-1.258 χ²/NDF:3538904.8/52
All: 10119.508+/-0.901 χ²/NDF: 6524346.1/1



Right In: 5144.303+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4284.142+/-570.154 χ^2/NDF: 24.1/28

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

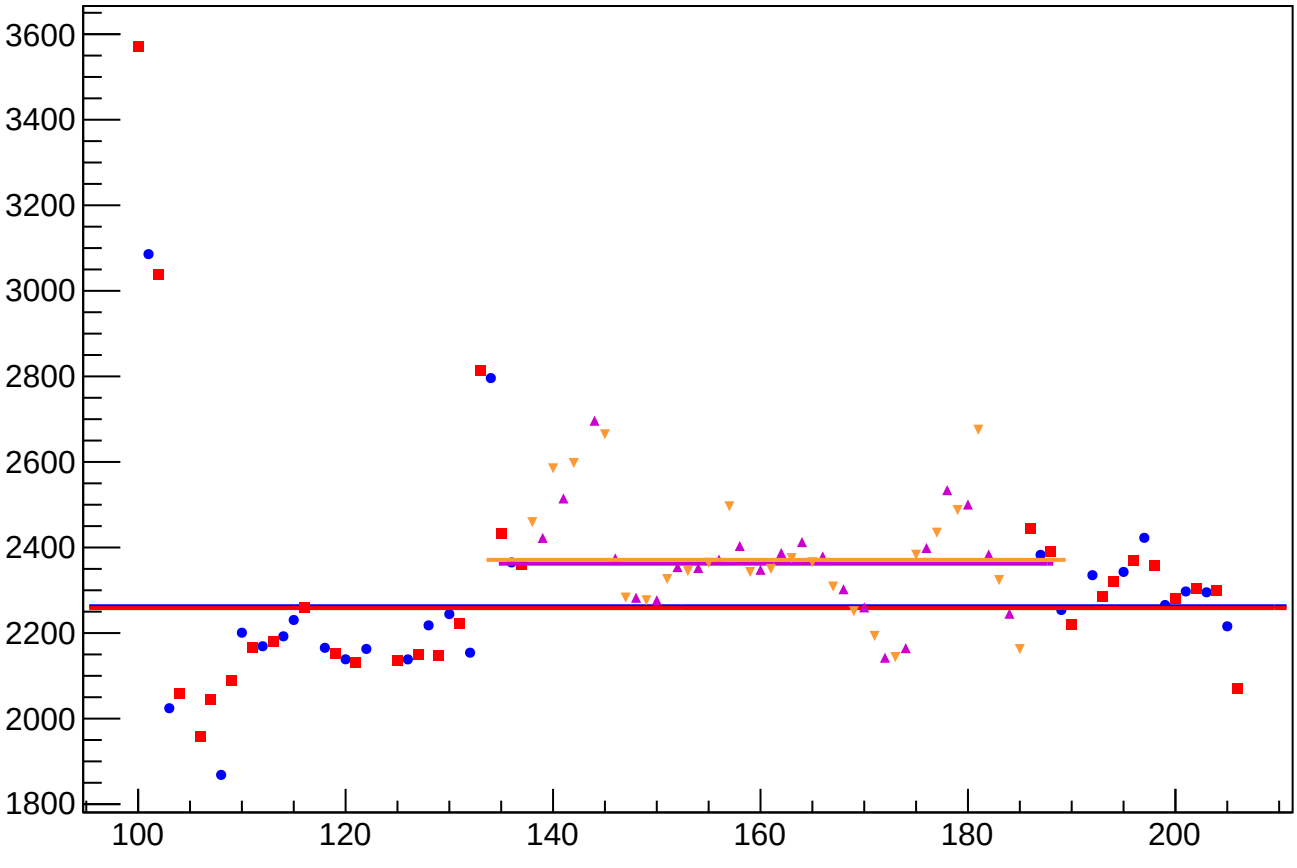
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4688.457+/-415.061 χ^2/NDF: 36.1/53

In: 5121.768+/-408.132 χ^2/NDF:30.9/47

Out: 3367.207+/-396.438 χ^2/NDF:58.9/52

All: 4218.989+/-284.368 χ^2/NDF: 99.3/100



Right In: 2262.661+/-0.428 χ^2/NDF: 202601.5/24

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.0/28

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

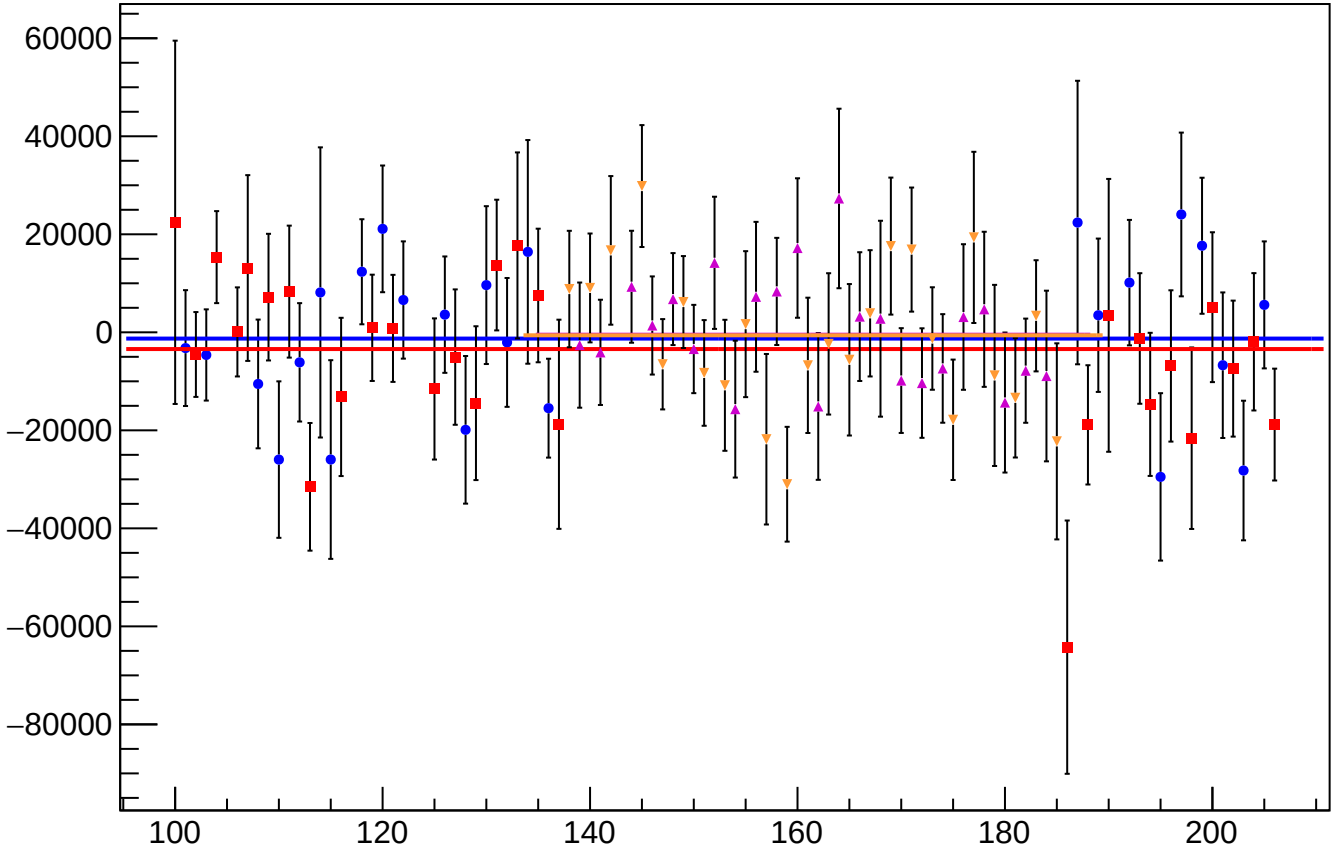
Right: 2260.358+/-0.293 χ^2/NDF: 413569.1/53

In: 2316.971+/-0.289 χ^2/NDF:324003.3/47

Out: 2316.576+/-0.280 χ^2/NDF:367671.1/52

All: 2316.768+/-0.201 χ^2/NDF: 691675.3/100

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1278.795+/-2747.947 χ^2/NDF: 27.0/24

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -3416.229+/-2517.644 χ^2/NDF: 28.1/28

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

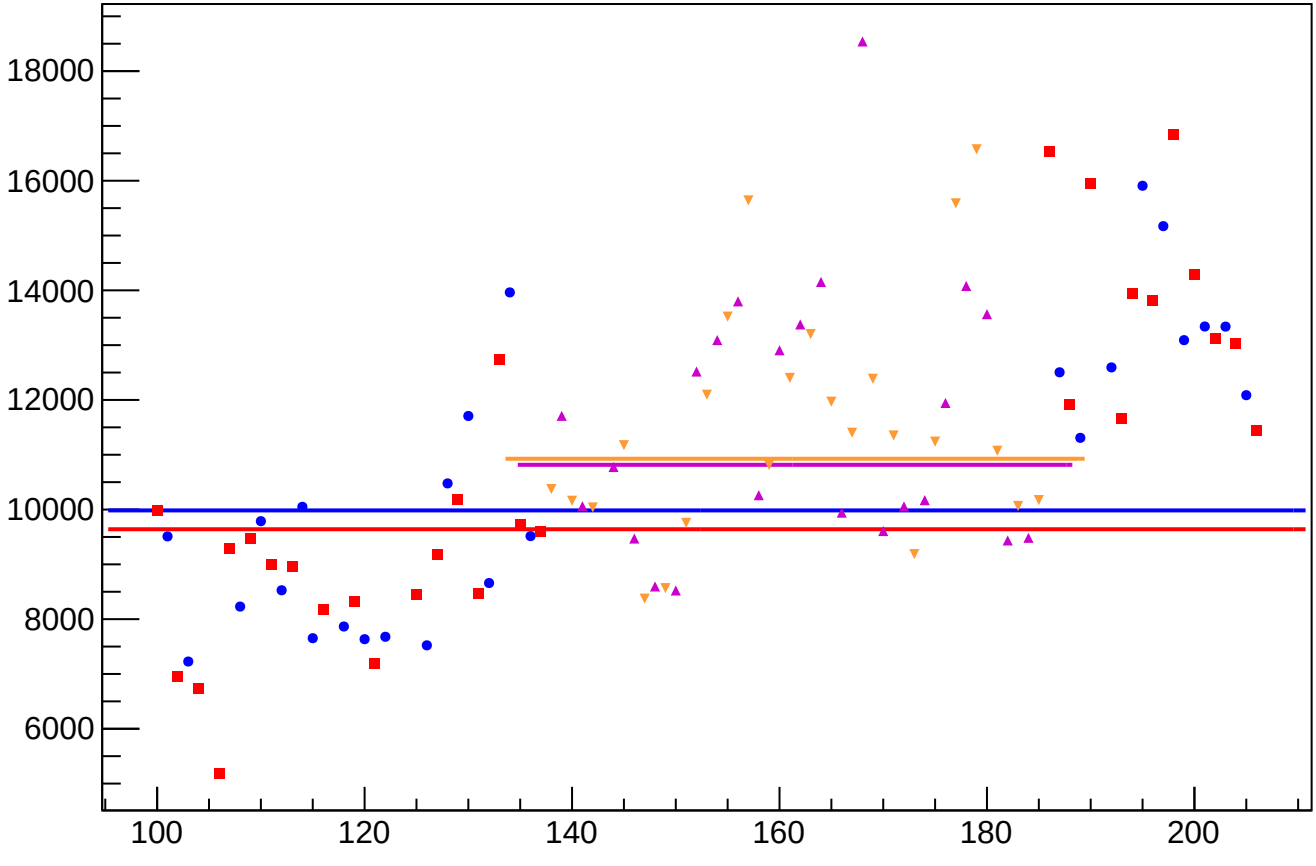
Right: -2440.819+/-1856.331 χ^2/NDF: 55.5/53

In: -859.157+/-1879.827 χ^2/NDF:40.6/47

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1479.698+/-1302.073 χ^2/NDF: 98.4/100

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 9984.315+/-1.943 χ^2/NDF: 1597257.3/24

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9640.638+/-1.780 χ^2/NDF: 2569760.5/28

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

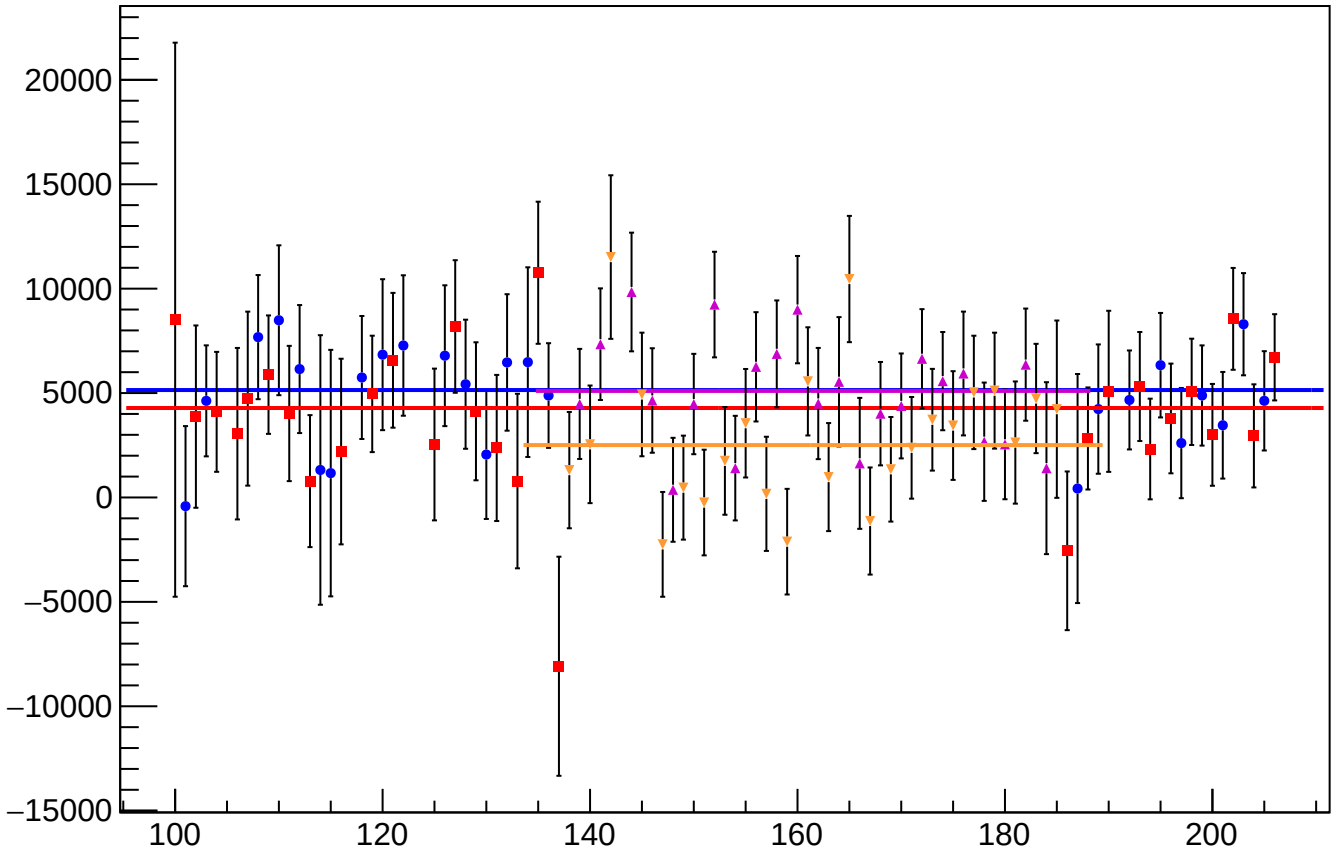
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9797.474+/-1.313 χ^2/NDF: 4184025.1/53

In: 10426.966+/-1.329 χ^2/NDF:2891622.2/47

Out: 10265.552+/-1.277 χ^2/NDF:3880708.0/52

All: 10342.994+/-0.921 χ^2/NDF: 6780001.5/1



Right In: 5144.297+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4284.136+/-570.154 χ^2/NDF: 24.1/28

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

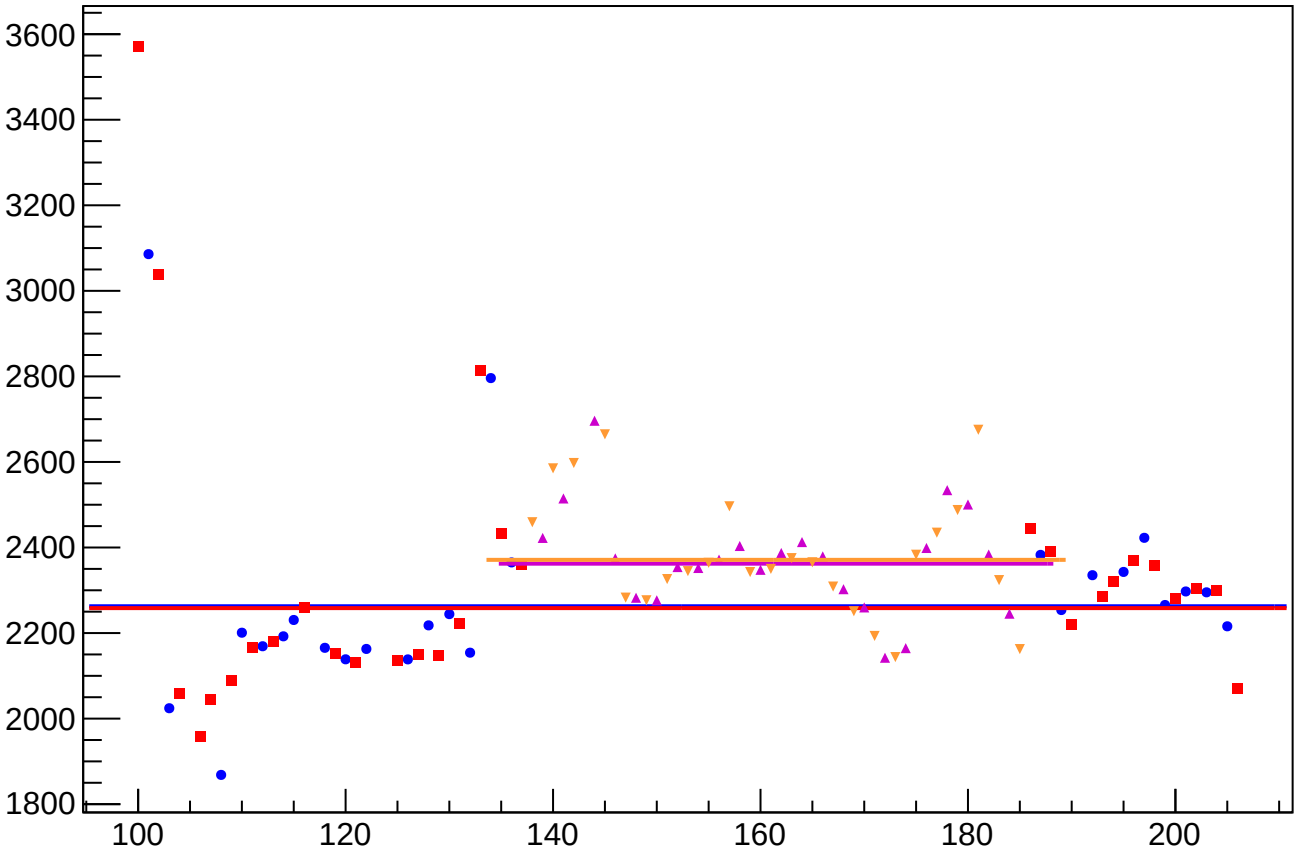
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4688.451+/-415.061 χ^2/NDF: 36.1/53

In: 5121.767+/-408.133 χ^2/NDF:30.9/47

Out: 3367.199+/-396.438 χ^2/NDF:58.9/52

All: 4218.984+/-284.368 χ^2/NDF: 99.3/100



Right In: 2262.661+/-0.428 χ^2/NDF: 202602.1/24

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.6/28

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

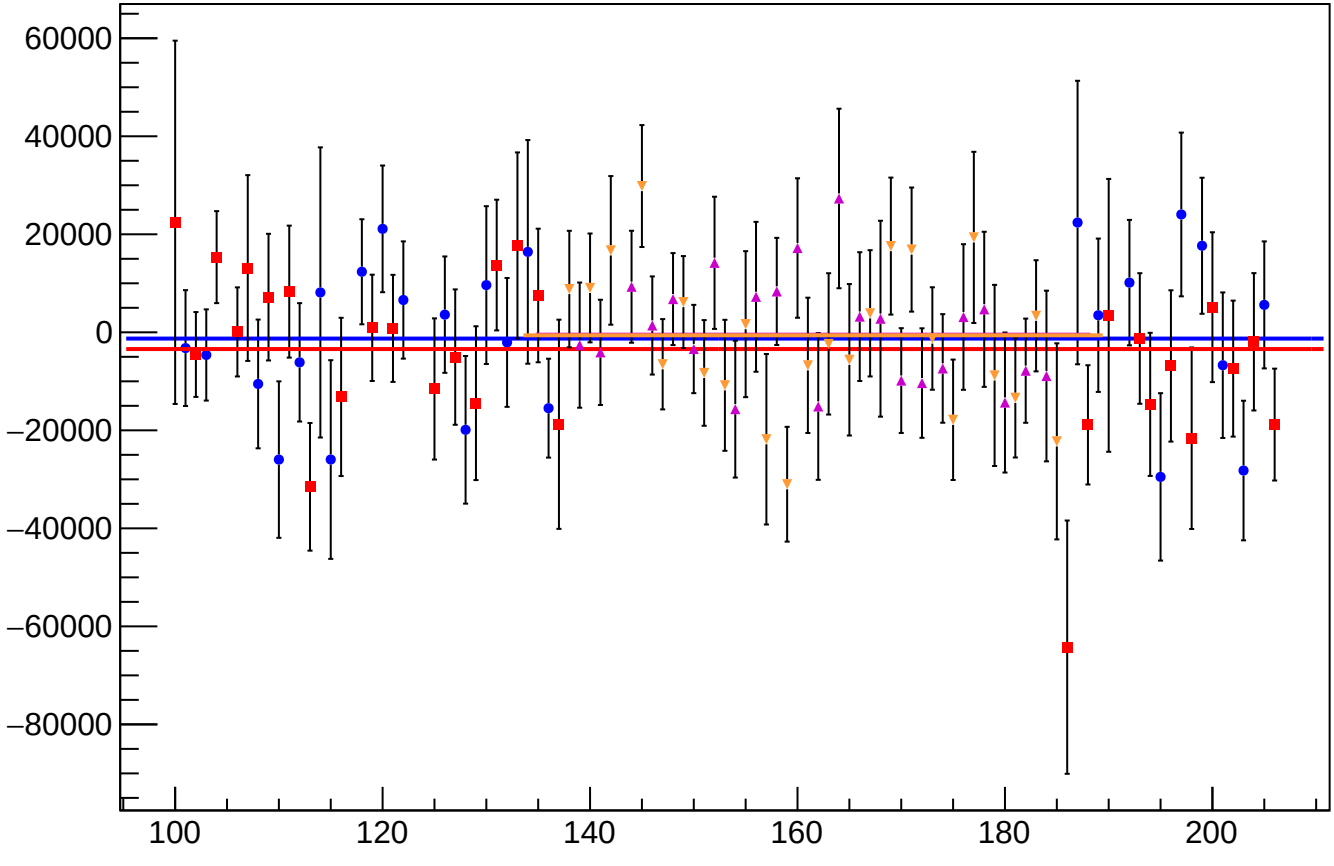
Right: 2260.358+/-0.293 χ^2/NDF: 413570.3/53

In: 2316.973+/-0.289 χ^2/NDF:324010.6/47

Out: 2316.578+/-0.280 χ^2/NDF:367678.3/52

All: 2316.769+/-0.201 χ^2/NDF: 691689.8/100

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1278.781+/-2747.944 χ^2/NDF: 27.0/24

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -3416.213+/-2517.641 χ^2/NDF: 28.1/28

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

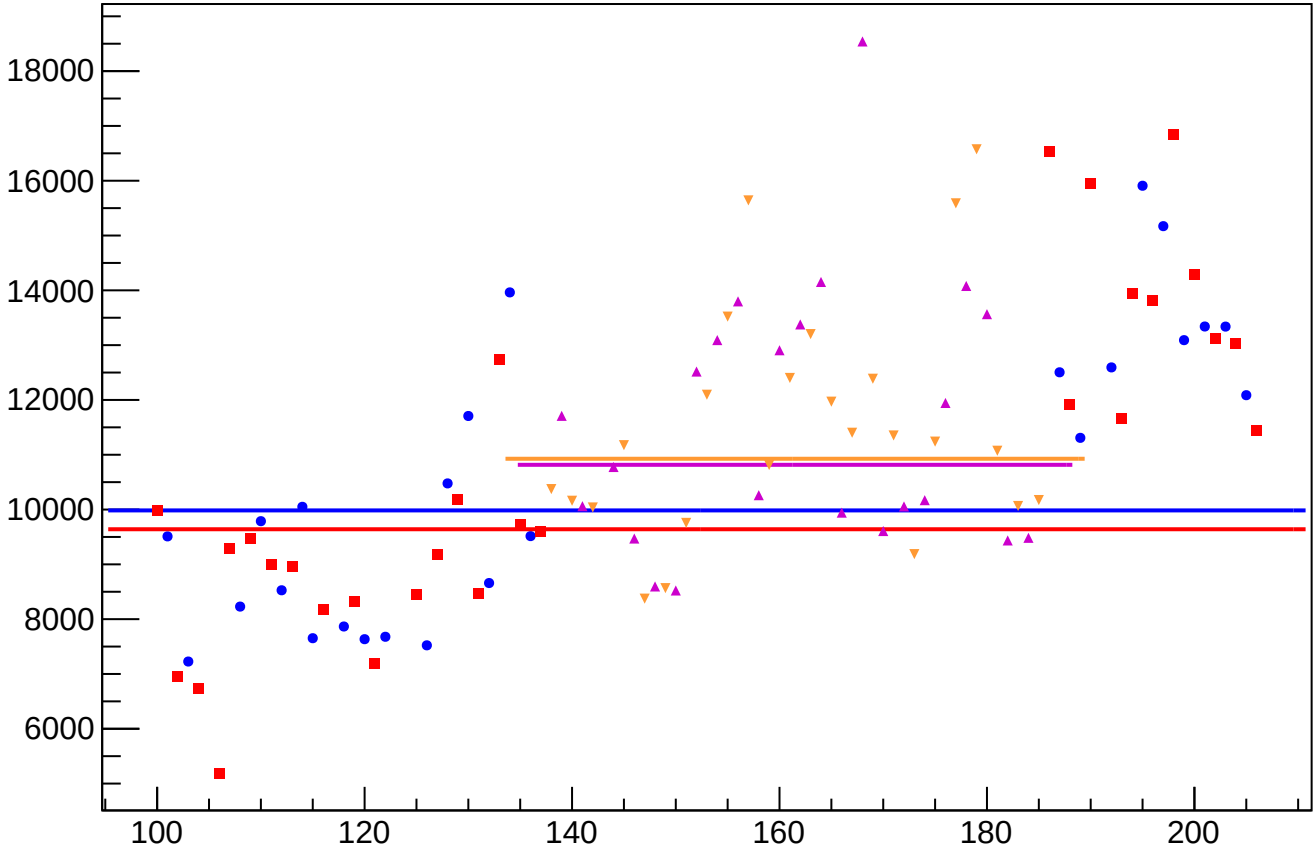
Right: -2440.804+/-1856.329 χ^2/NDF: 55.5/53

In: -859.153+/-1879.828 χ^2/NDF:40.6/47

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1479.696+/-1302.073 χ^2/NDF: 98.4/100

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9984.299+/-1.943 χ^2/NDF: 1597280.4/24

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9640.624+/-1.780 χ^2/NDF: 2569781.7/28

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

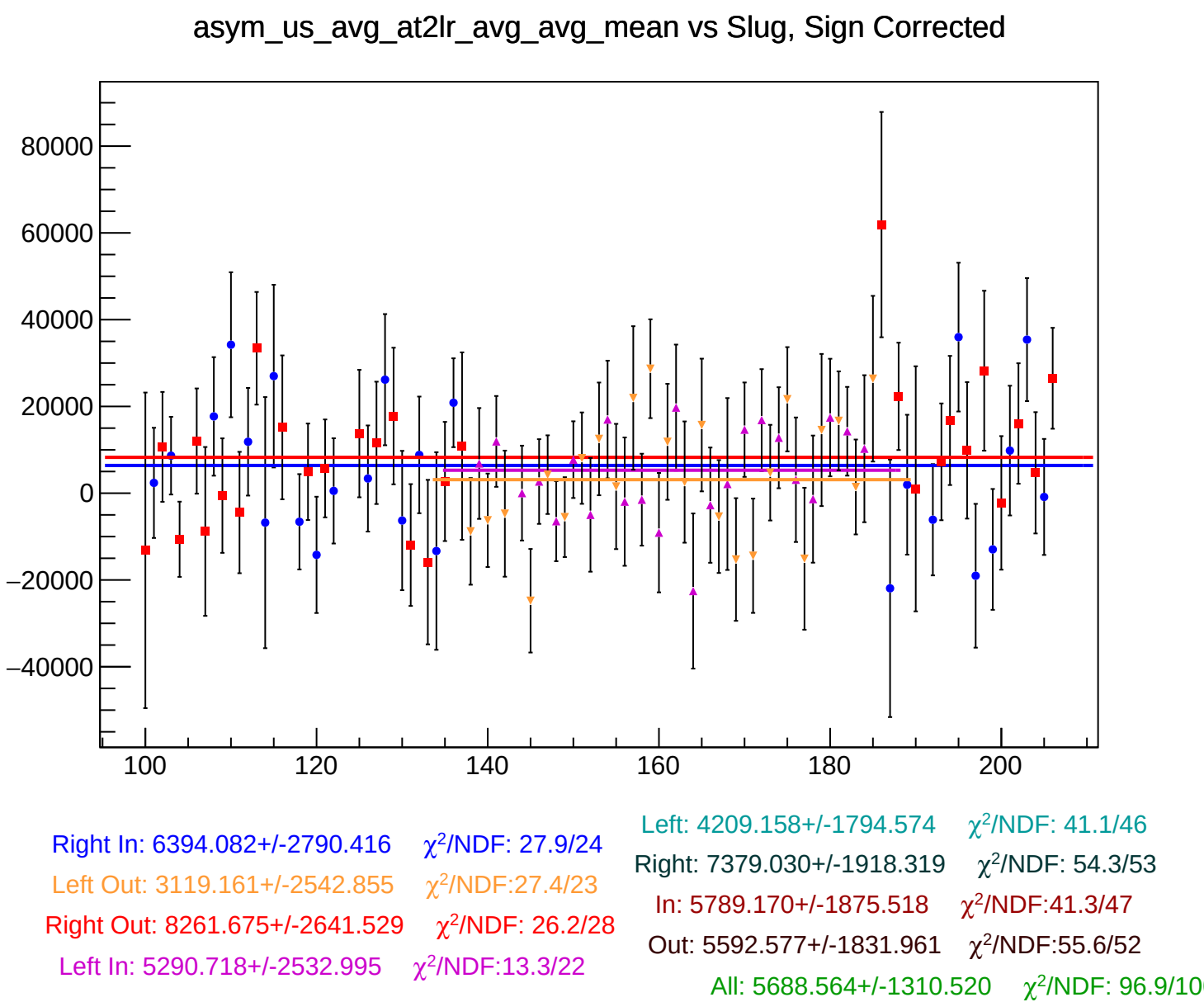
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

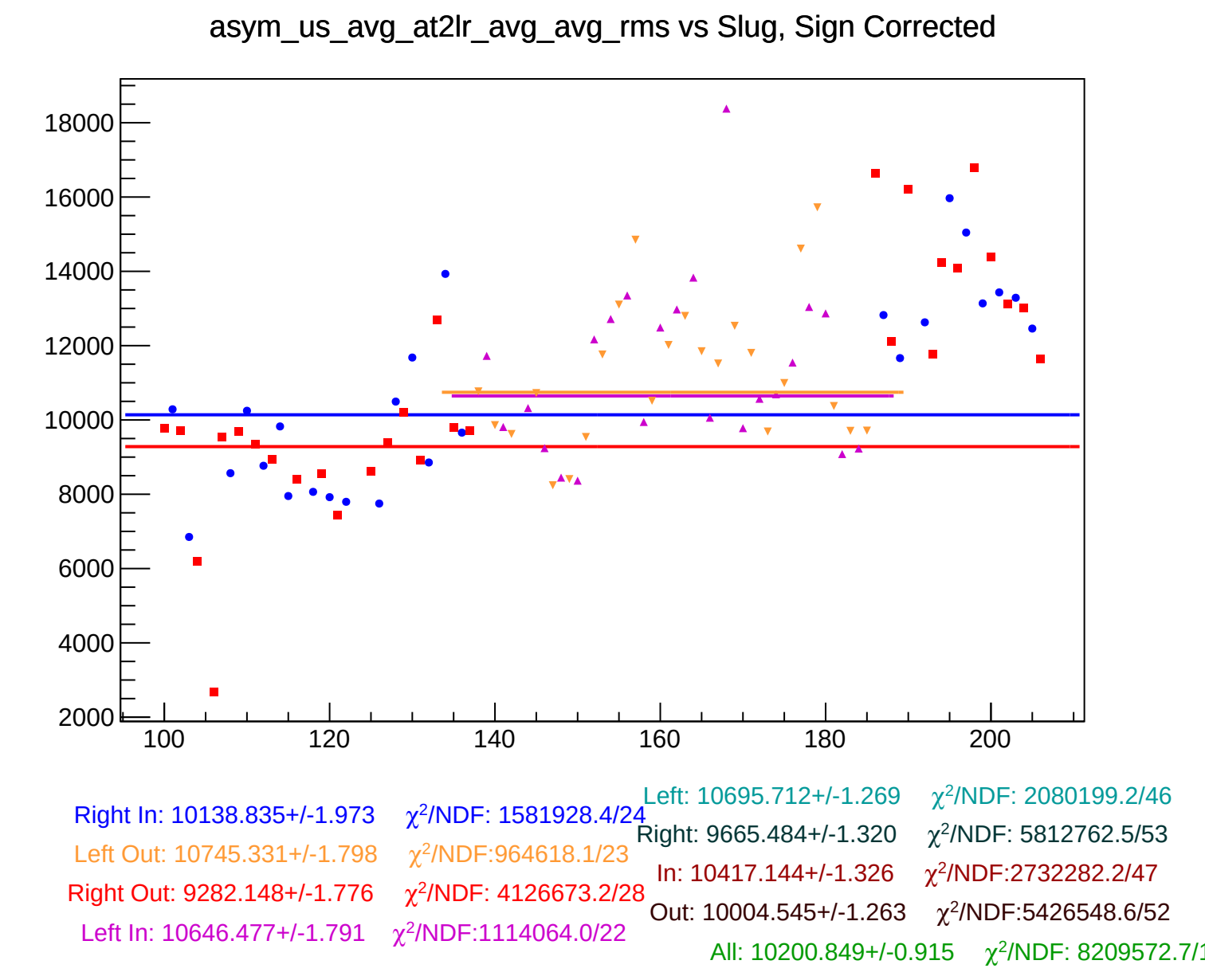
Right: 9797.459+/-1.313 χ^2/NDF: 4184069.4/53

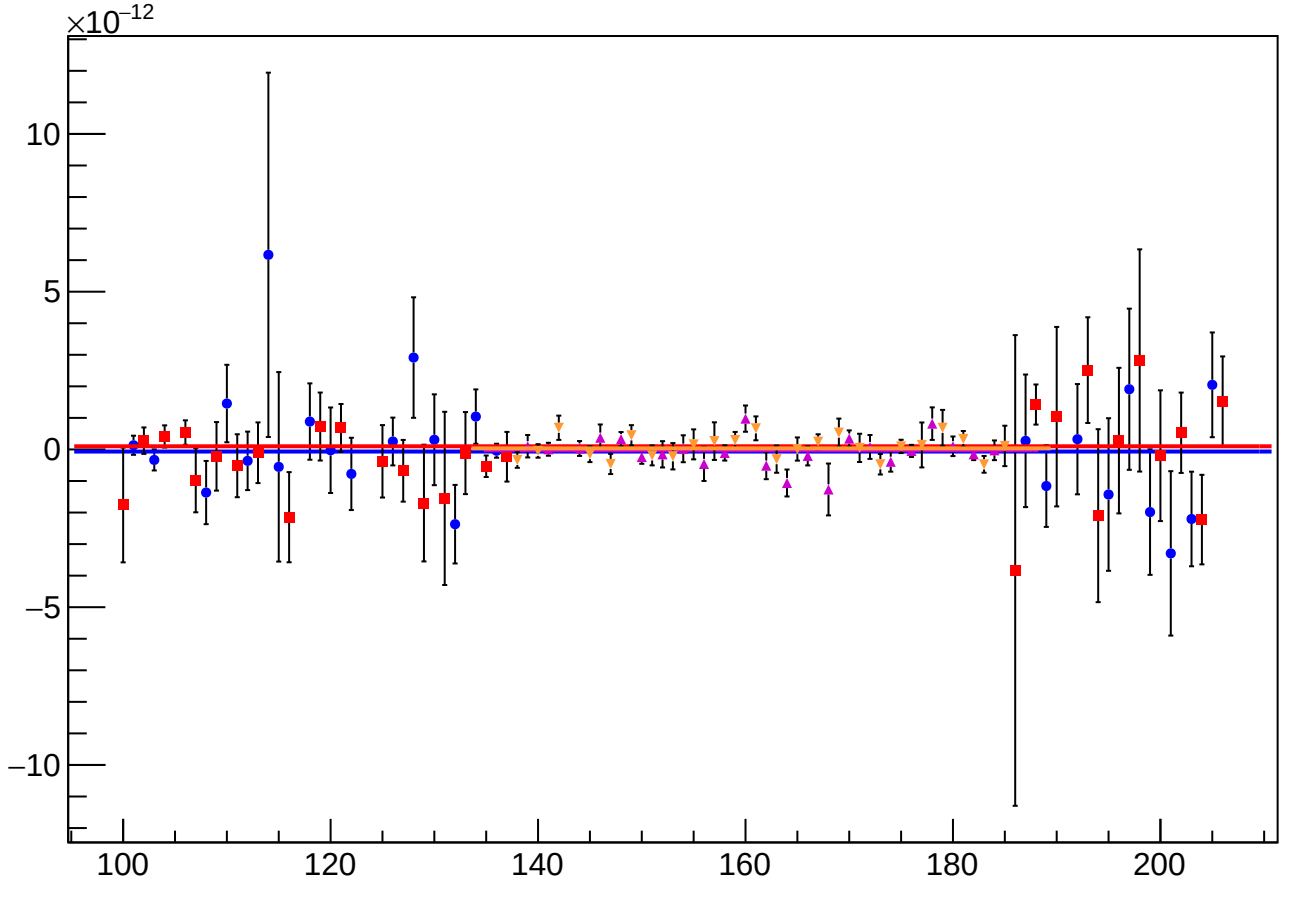
In: 10426.966+/-1.329 χ^2/NDF:2891656.5/47

Out: 10265.552+/-1.277 χ^2/NDF:3880744.1/52

All: 10342.994+/-0.921 χ^2/NDF: 6780072.0/1


asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 6394.082+/-2790.416 χ²/NDF: 27.9/24
Left Out: 3119.161+/-2542.855 χ²/NDF:27.4/23
Right Out: 8261.675+/-2641.529 χ²/NDF: 26.2/28
Left In: 5290.718+/-2532.995 χ²/NDF:13.3/22
Left: 4209.158+/-1794.574 χ²/NDF: 41.1/46
Right: 7379.030+/-1918.319 χ²/NDF: 54.3/53
In: 5789.170+/-1875.518 χ²/NDF:41.3/47
Out: 5592.577+/-1831.961 χ²/NDF:55.6/52
All: 5688.564+/-1310.520 χ²/NDF: 96.9/100


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 10138.835+/-1.973 χ²/NDF: 1581928.4/24
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 9282.148+/-1.776 χ²/NDF: 4126673.2/28
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9665.484+/-1.320 χ²/NDF: 5812762.5/53
In: 10417.144+/-1.326 χ²/NDF:2732282.2/47
Out: 10004.545+/-1.263 χ²/NDF:5426548.6/52
All: 10200.849+/-0.915 χ²/NDF: 8209572.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

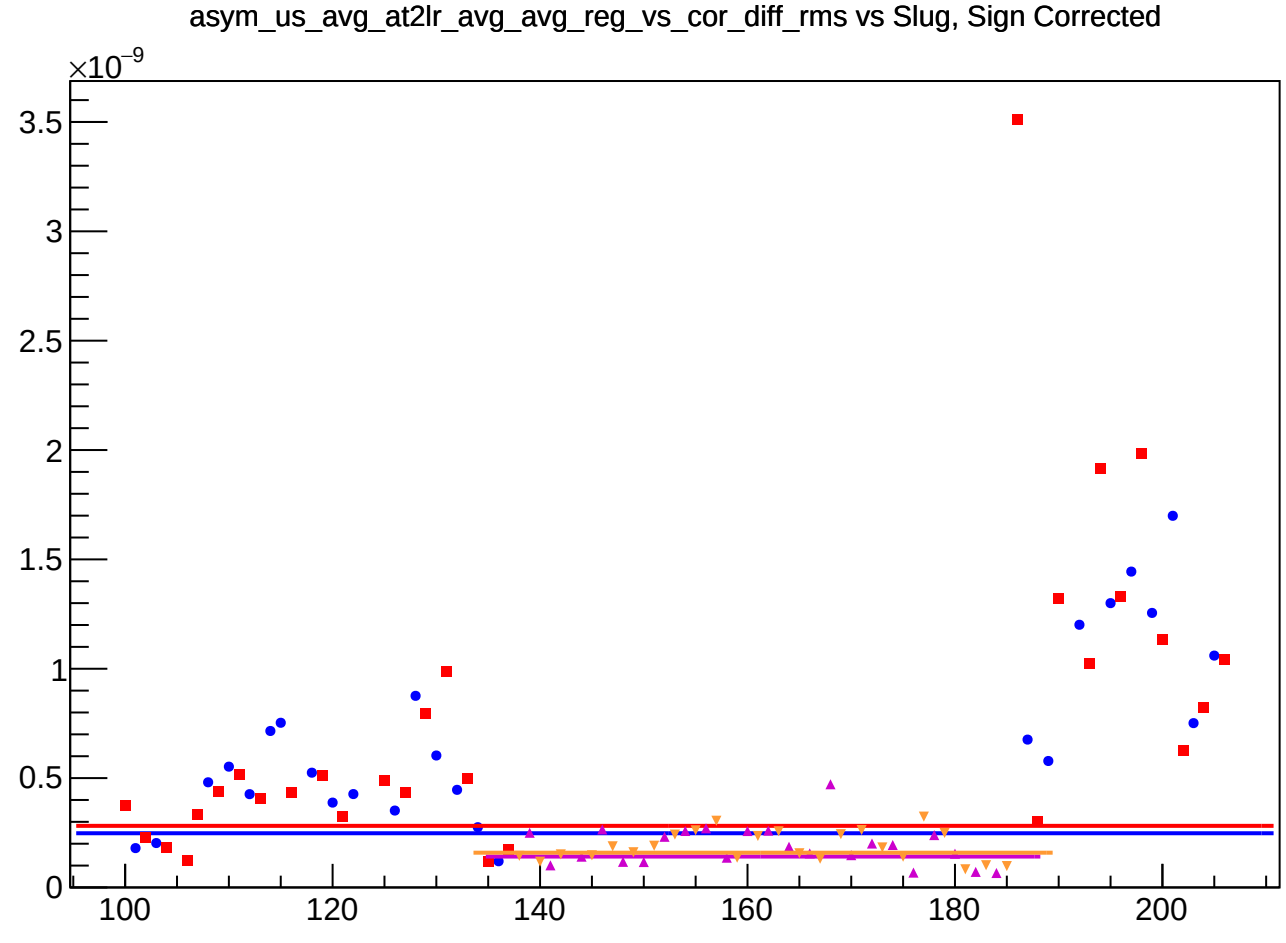
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 48.8/53

In: -0.000+/-0.000 χ^2/NDF:50.1/47

Out: 0.000+/-0.000 χ^2/NDF:52.3/52

All: 0.000+/-0.000 χ^2/NDF: 103.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 5249652.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5746148.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

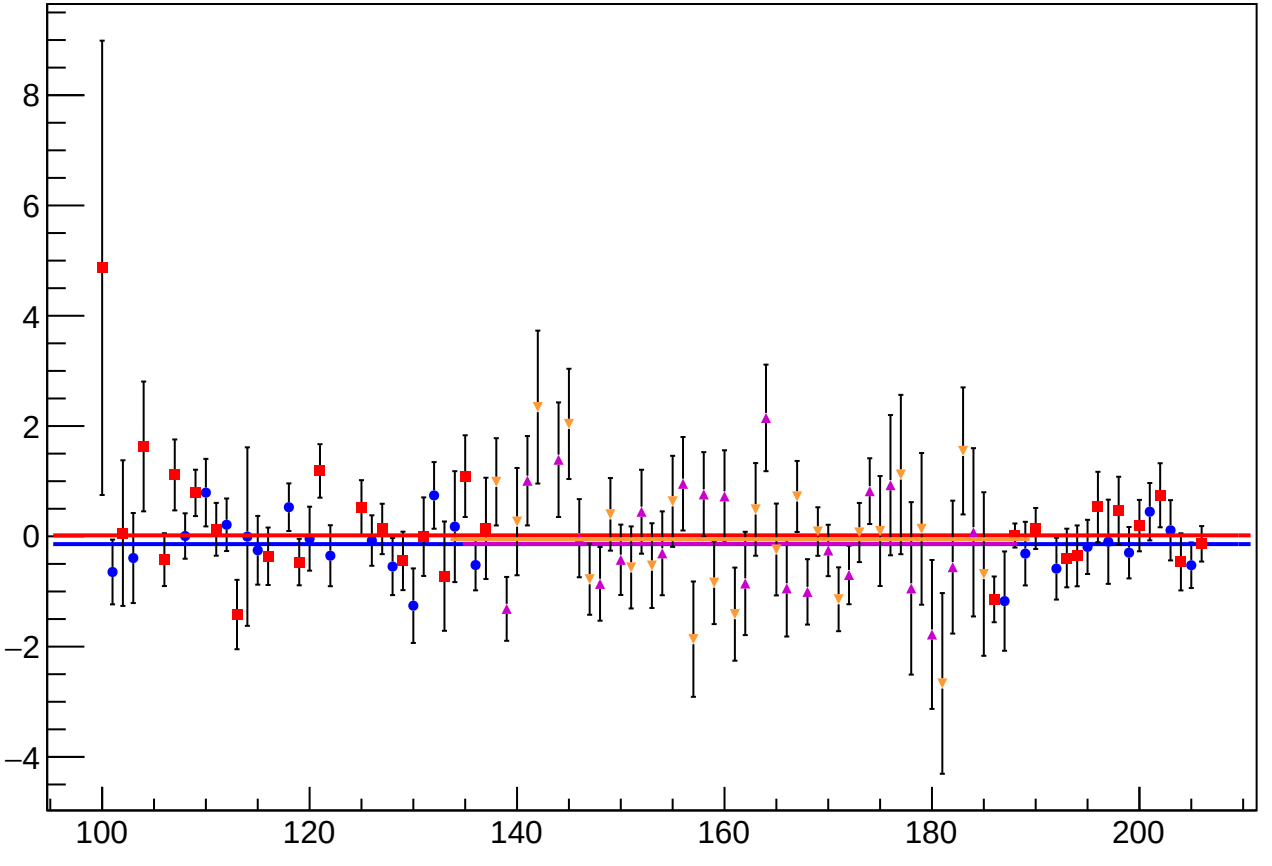
Right: 0.000+/-0.000 χ^2/NDF: 11051933.2/53

In: 0.000+/-0.000 χ^2/NDF:8643906.8/47

Out: 0.000+/-0.000 χ^2/NDF:8202064.9/52

All: 0.000+/-0.000 χ^2/NDF: 16972670.3/100

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

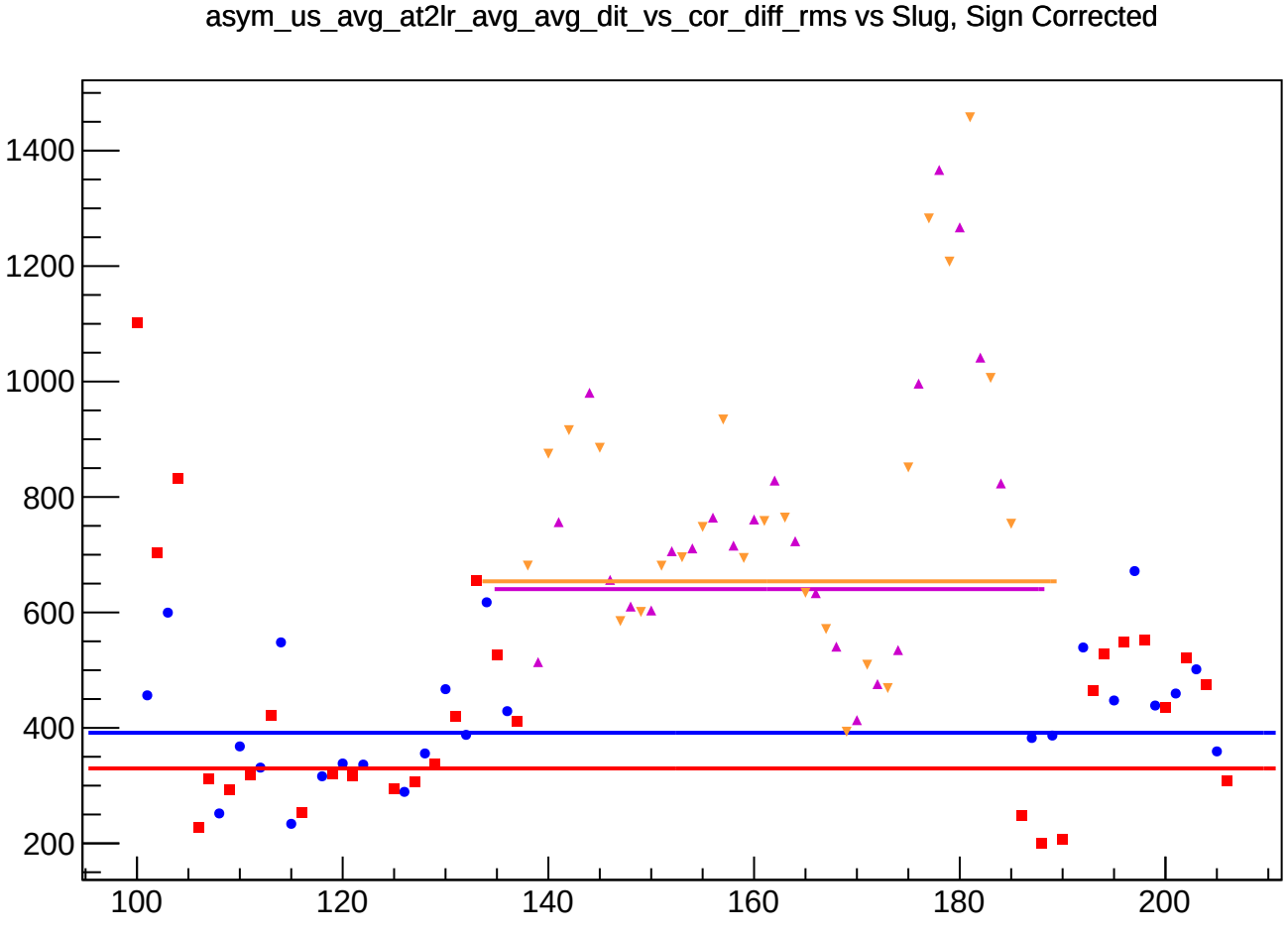
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.047+/-0.070 χ^2/NDF: 59.2/53

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.061+/-0.060 χ^2/NDF: 119.6/100



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

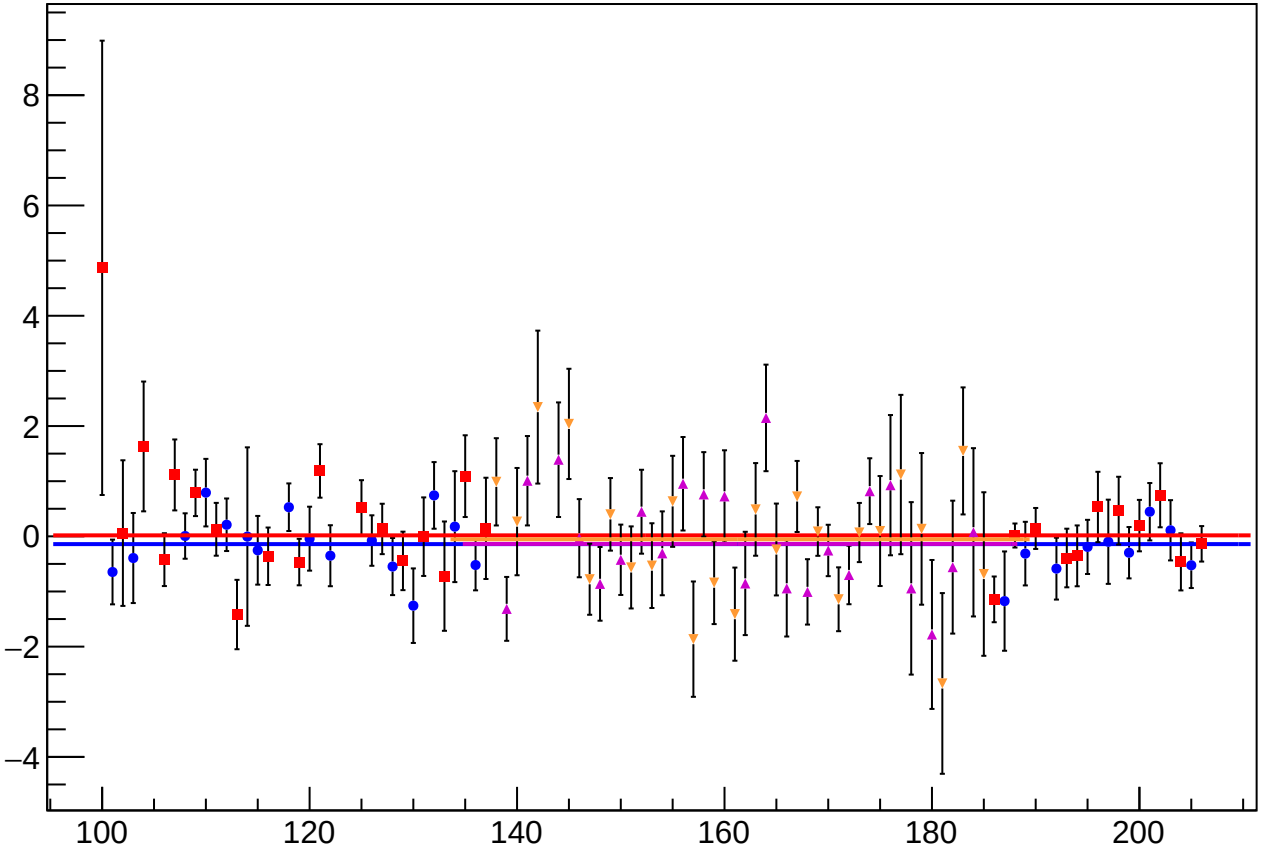
Right: 354.900+/-0.050 χ^2/NDF: 5455899.0/53

In: 473.374+/-0.064 χ^2/NDF:7478654.0/47

Out: 408.653+/-0.056 χ^2/NDF:12824208.5/52

All: 436.861+/-0.042 χ^2/NDF: 20879539.1/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

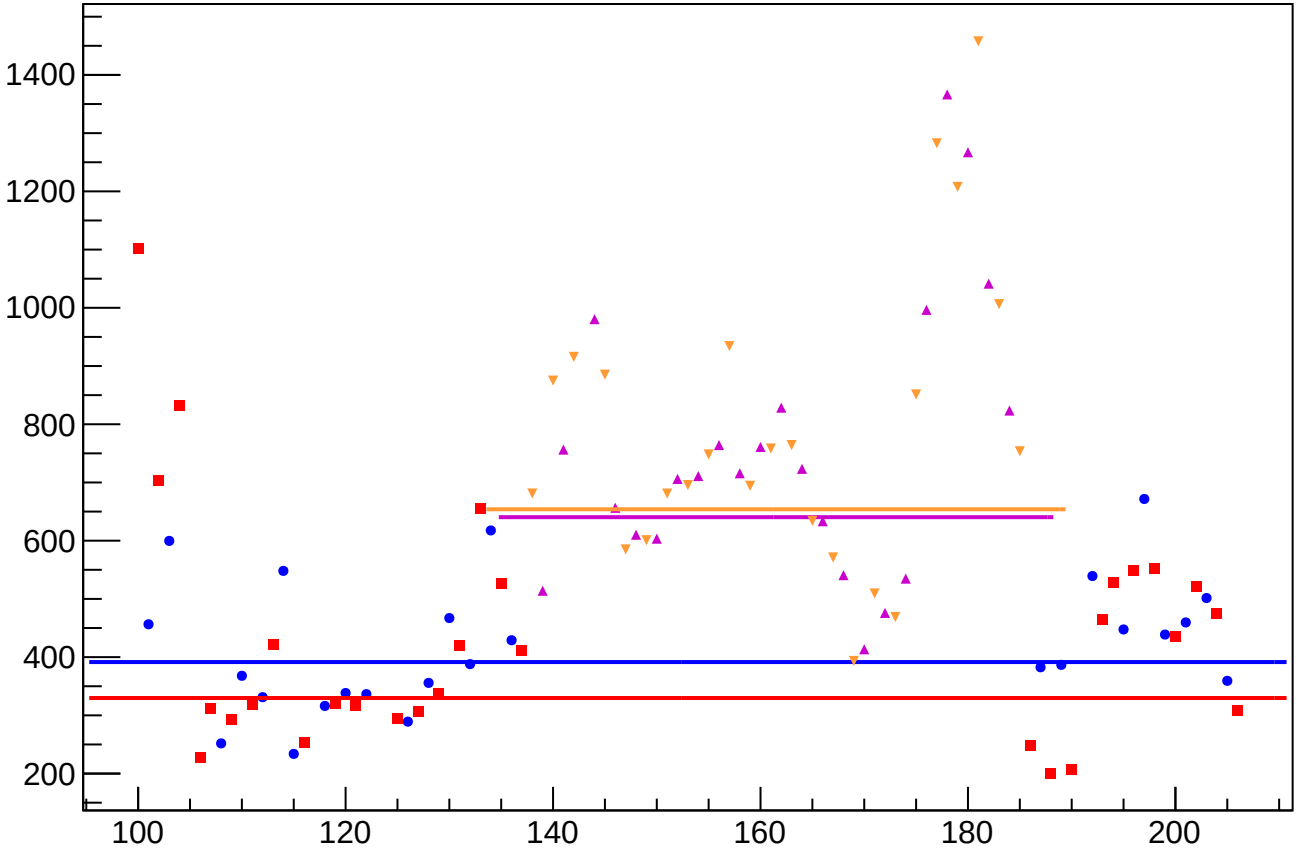
Right: -0.047+/-0.070 χ^2/NDF: 59.2/53

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.061+/-0.060 χ^2/NDF: 119.6/100

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

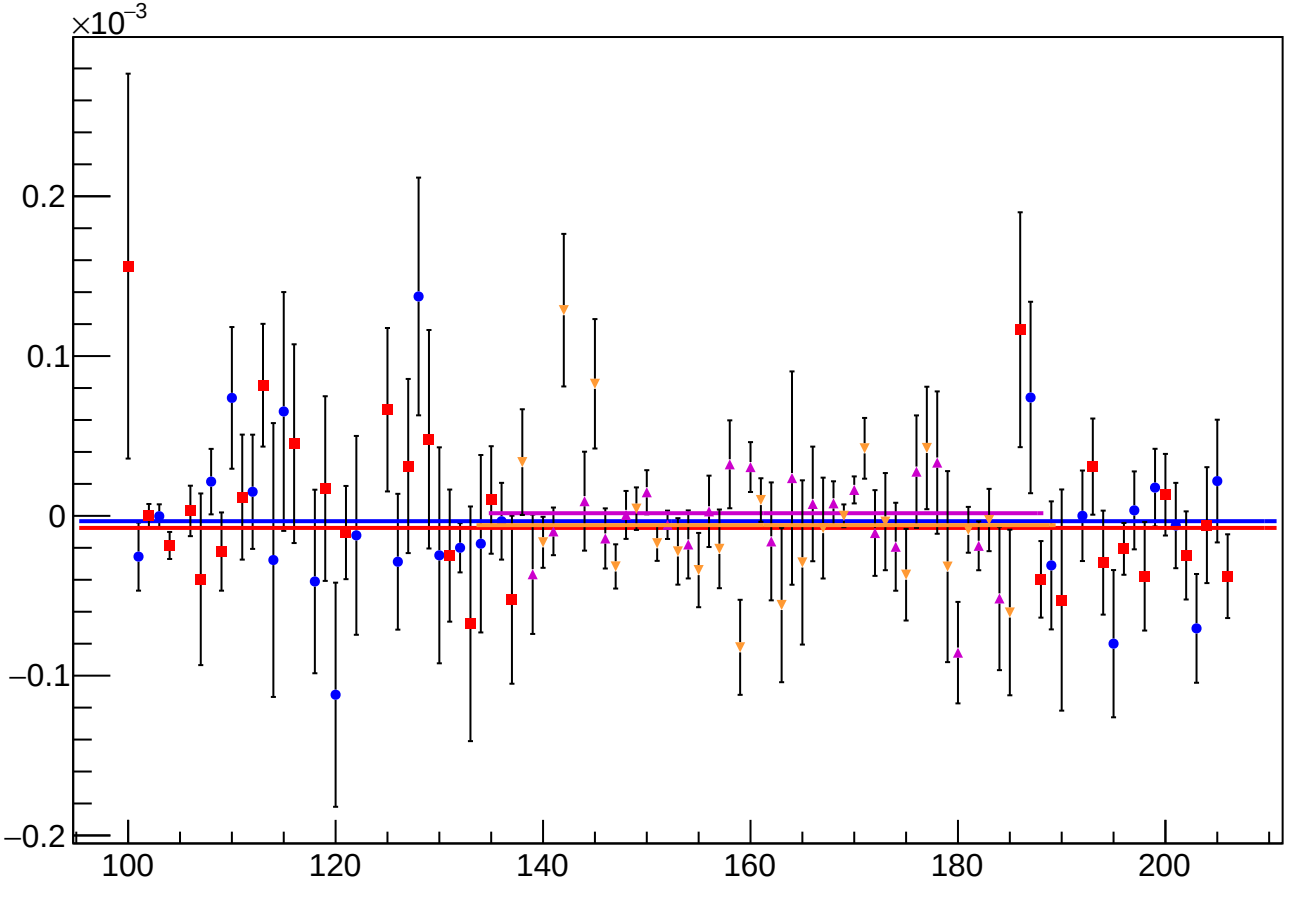
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 354.900+/-0.050 χ^2/NDF: 5455899.0/53

In: 473.374+/-0.064 χ^2/NDF:7478654.0/47

Out: 408.653+/-0.056 χ^2/NDF:12824208.5/52

All: 436.861+/-0.042 χ^2/NDF: 20879539.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/28

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

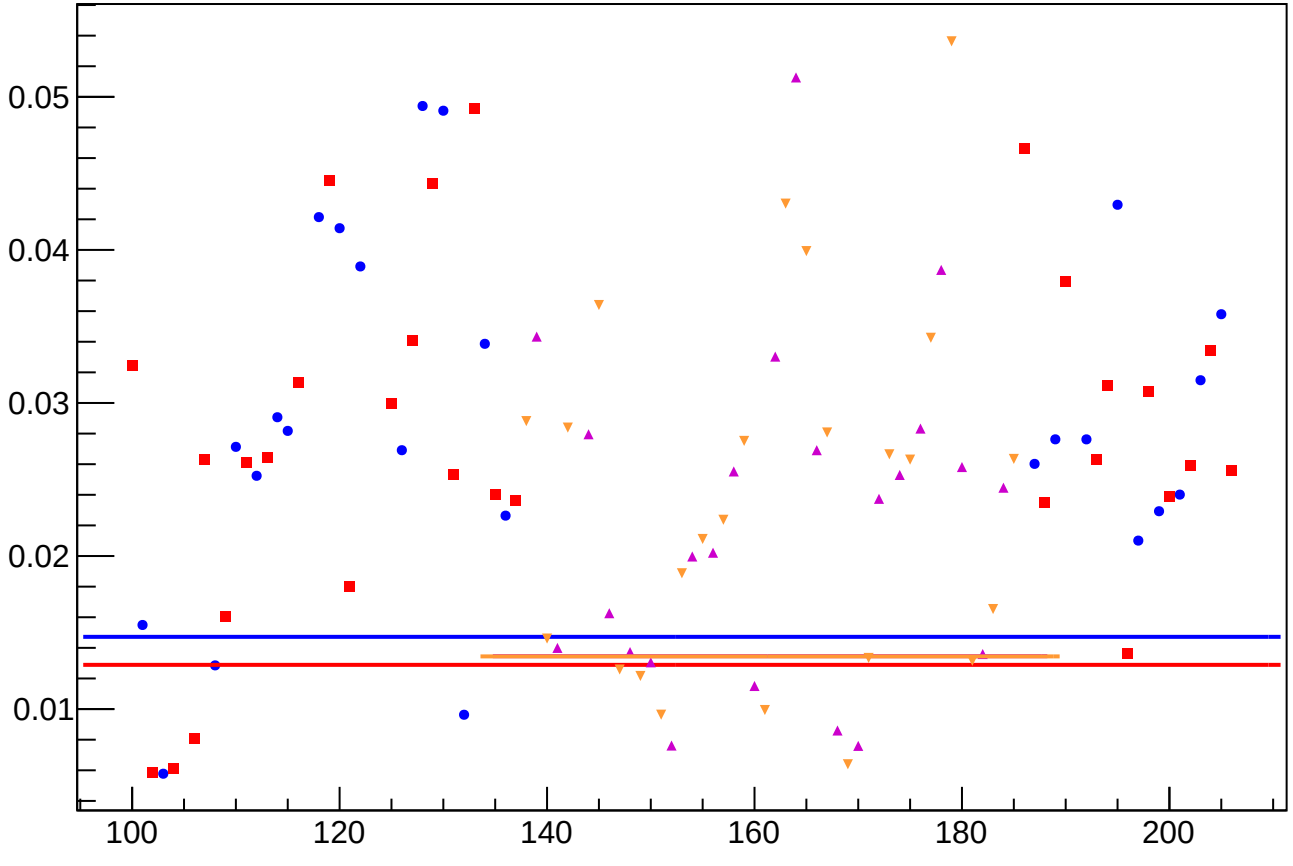
Right: -0.000+/-0.000 χ^2/NDF: 54.0/53

In: -0.000+/-0.000 χ^2/NDF:51.4/47

Out: -0.000+/-0.000 χ^2/NDF:71.1/52

All: -0.000+/-0.000 χ^2/NDF: 125.0/100

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 9343625.1/24

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 11357485.7/28

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

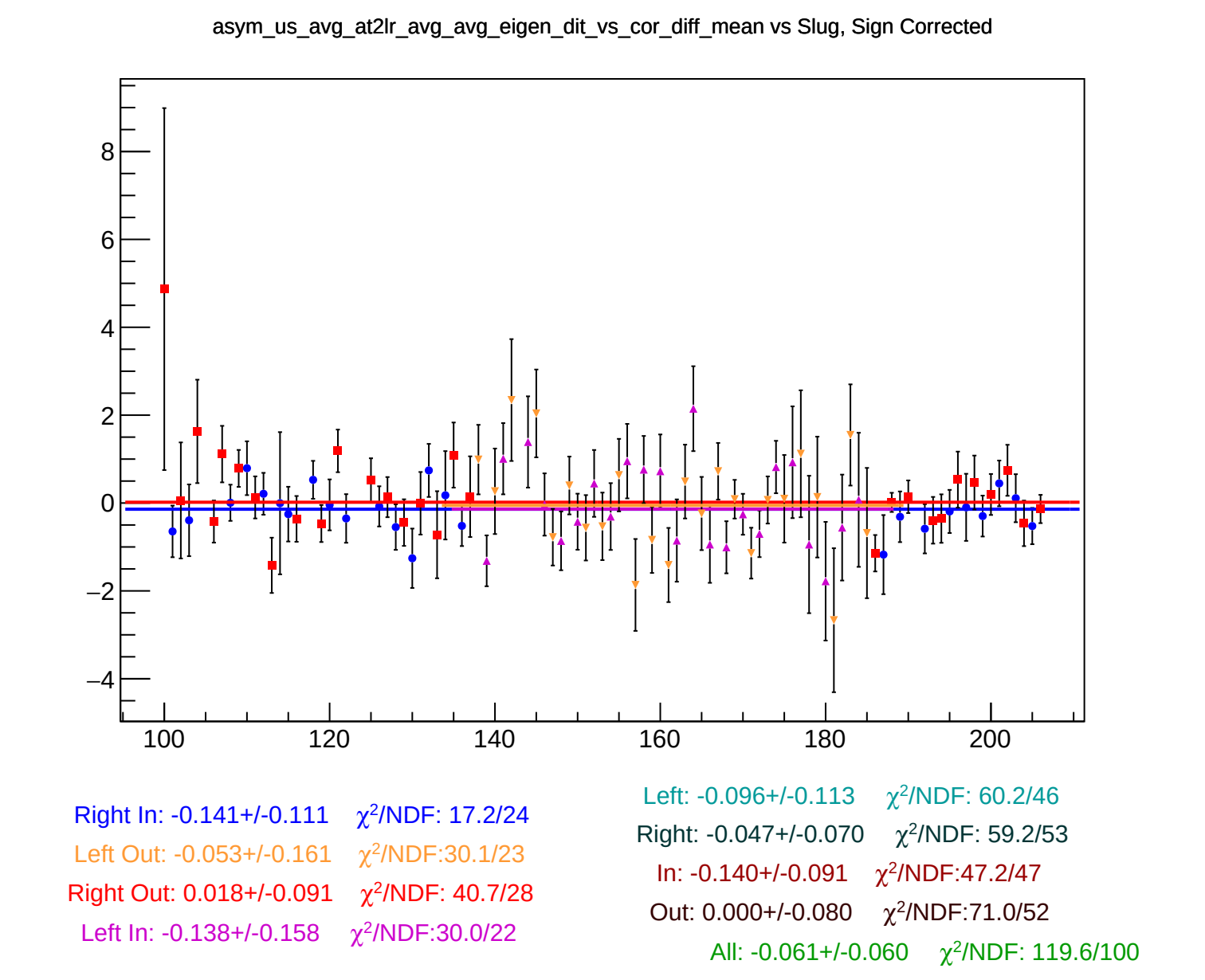
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

Right: 0.014+/-0.000 χ^2/NDF: 20863418.8/53

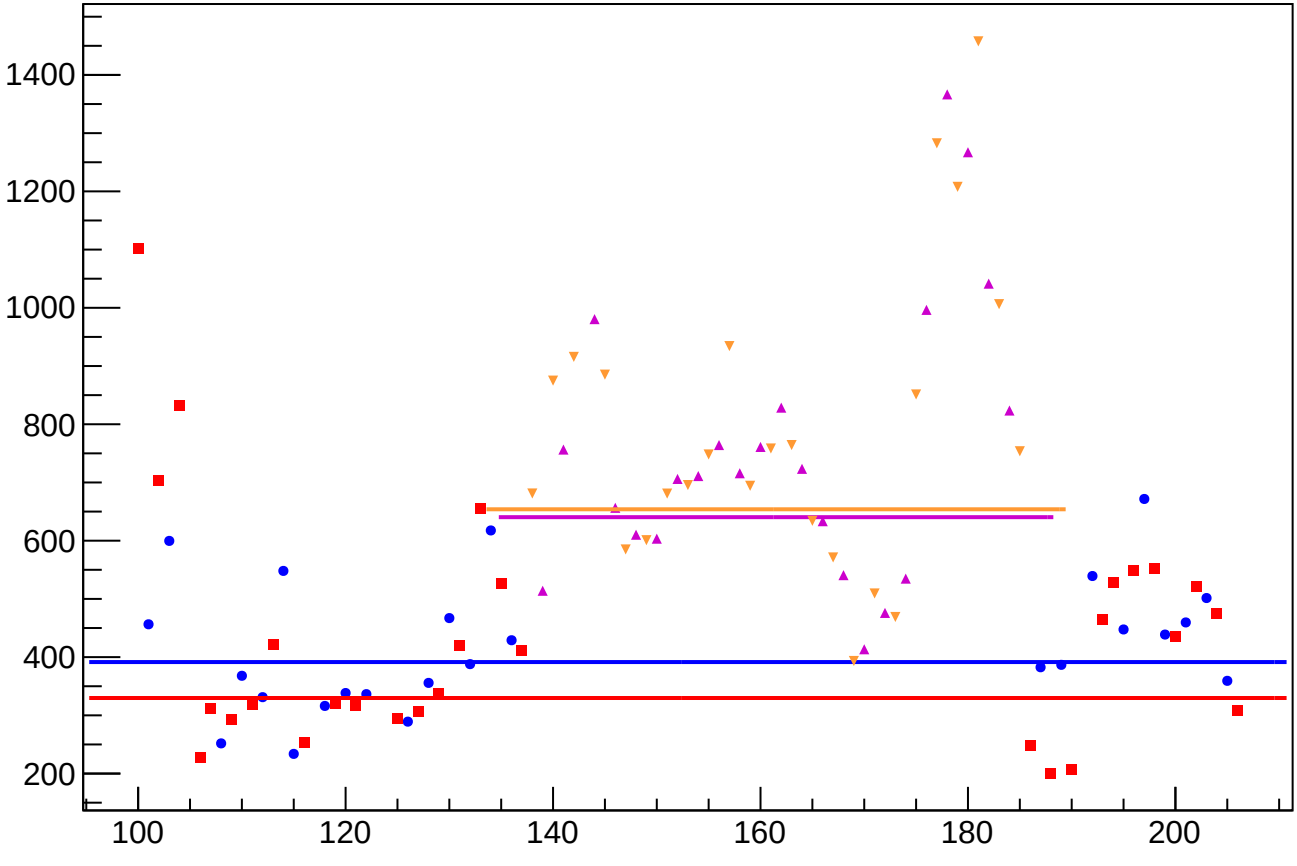
In: 0.014+/-0.000 χ^2/NDF:16975662.3/47

Out: 0.013+/-0.000 χ^2/NDF:20233477.7/52

All: 0.014+/-0.000 χ^2/NDF: 37272426.9/100


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.141+/-0.111 χ²/NDF: 17.2/24
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.018+/-0.091 χ²/NDF: 40.7/28
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.047+/-0.070 χ²/NDF: 59.2/53
In: -0.140+/-0.091 χ²/NDF:47.2/47
Out: 0.000+/-0.080 χ²/NDF:71.0/52
All: -0.061+/-0.060 χ²/NDF: 119.6/100

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

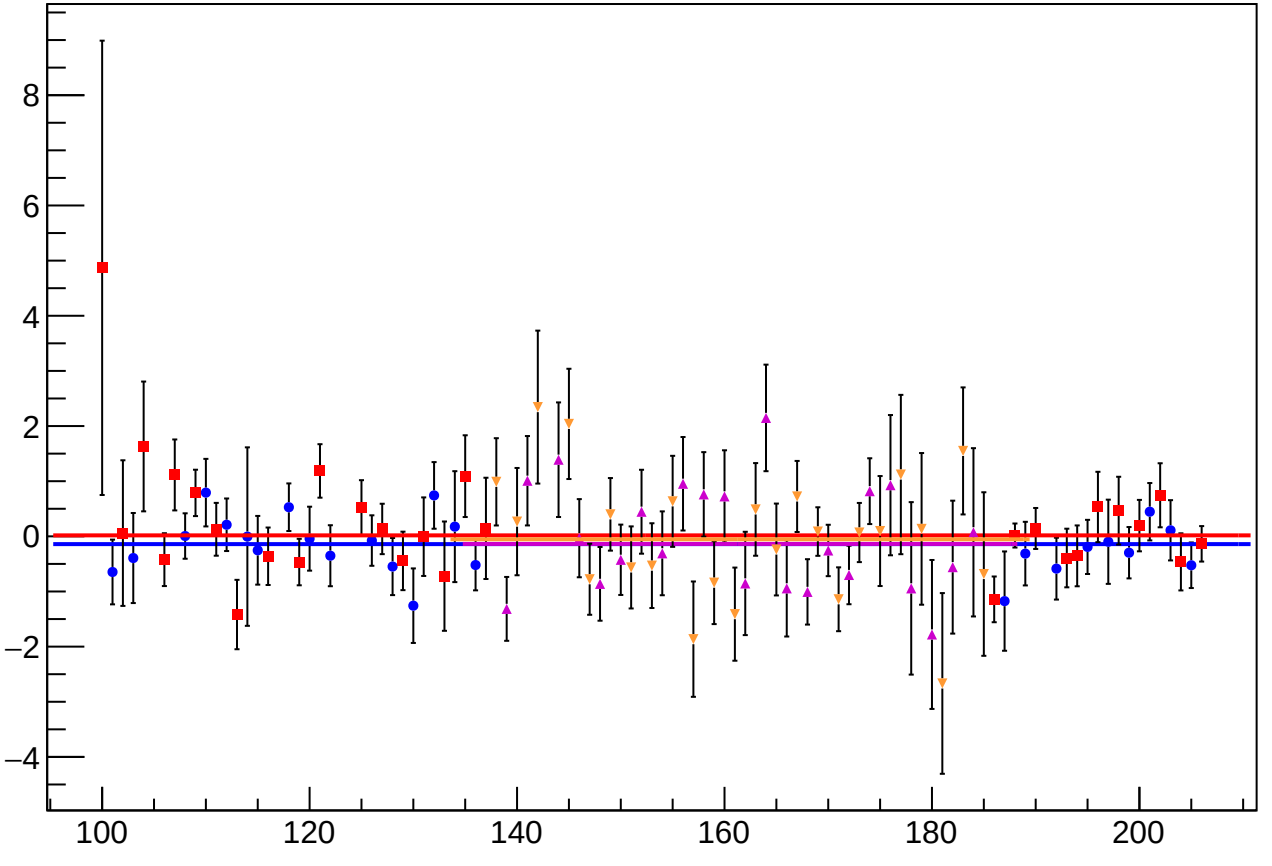
Right: 354.897+/-0.050 χ^2/NDF: 5456171.1/53

In: 473.374+/-0.064 χ^2/NDF:7478854.8/47

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 436.858+/-0.042 χ^2/NDF: 20880481.5/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

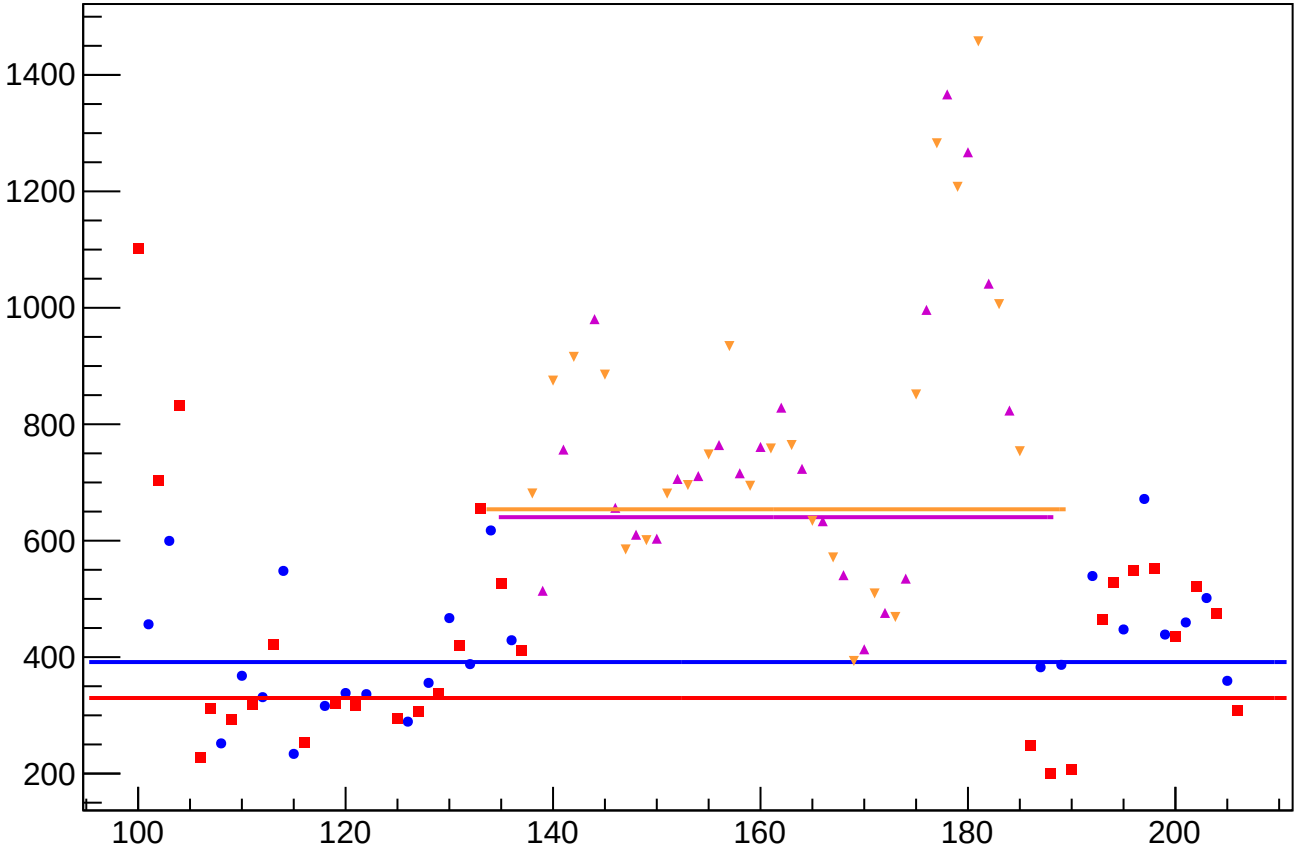
Right: -0.047+/-0.070 χ^2/NDF: 59.2/53

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.061+/-0.060 χ^2/NDF: 119.6/100

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

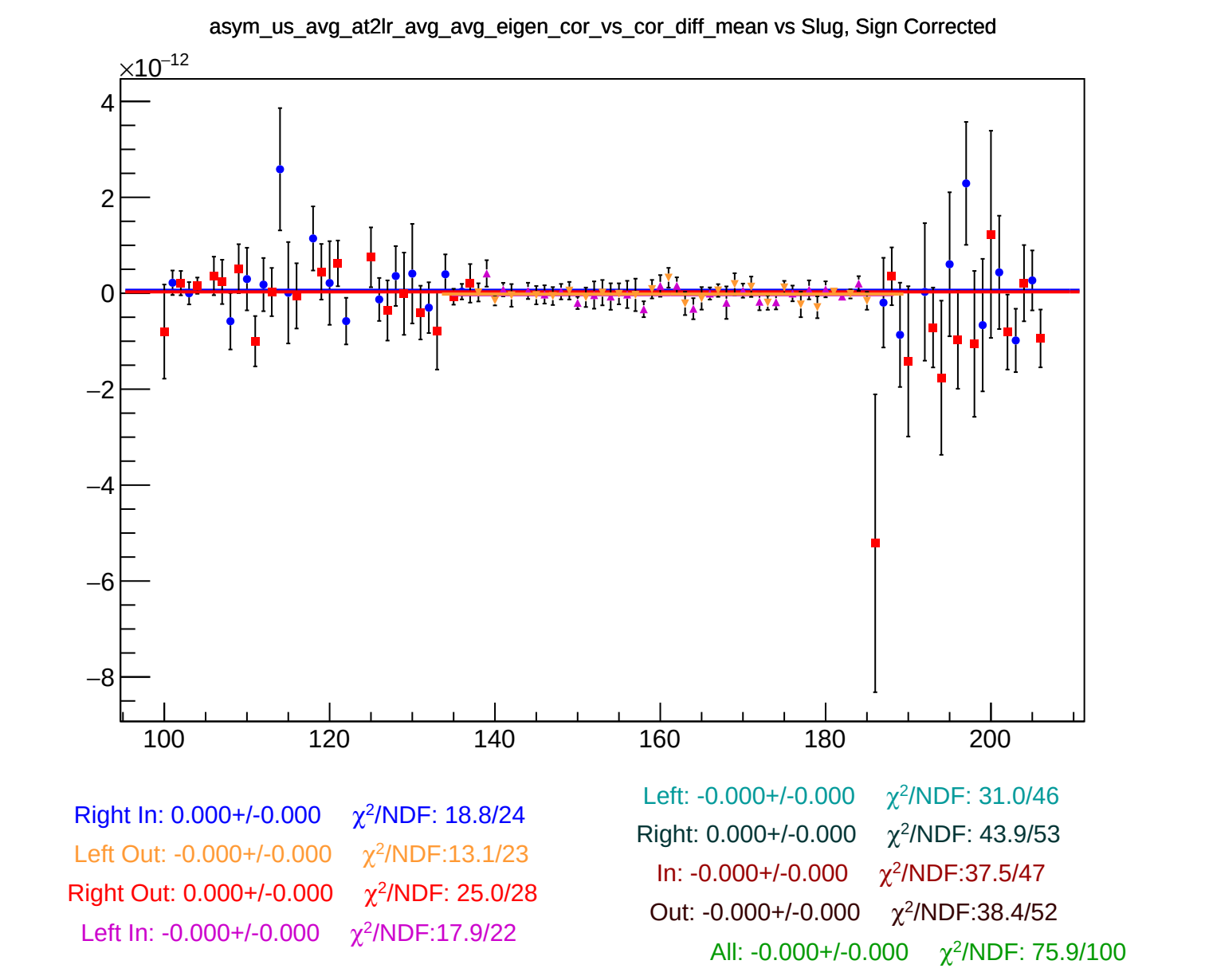
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 354.897+/-0.050 χ^2/NDF: 5456171.1/53

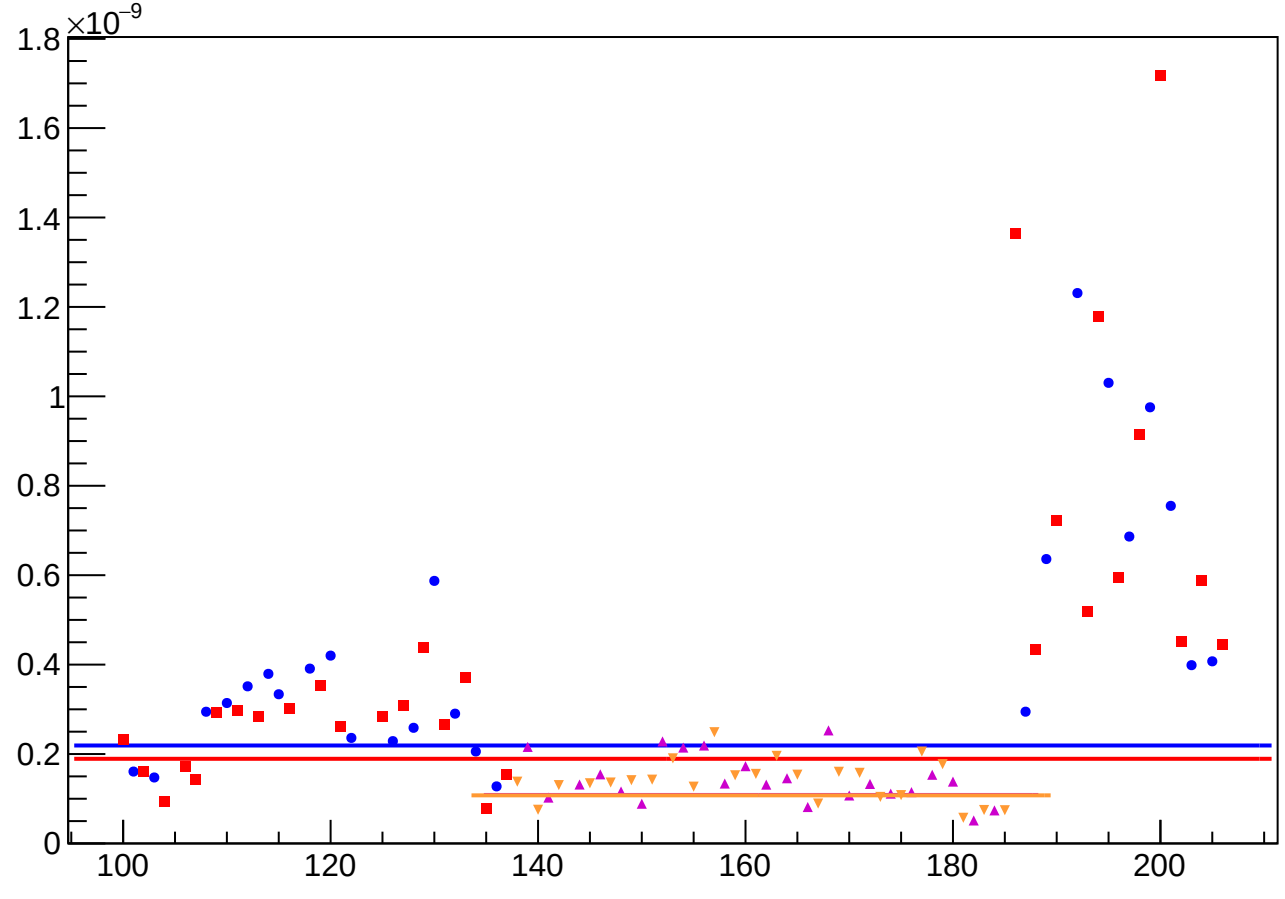
In: 473.374+/-0.064 χ^2/NDF:7478854.8/47

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 436.858+/-0.042 χ^2/NDF: 20880481.5/10


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.8/24
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.0/28
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 43.9/53
In: -0.000+/-0.000 χ²/NDF:37.5/47
Out: -0.000+/-0.000 χ²/NDF:38.4/52
All: -0.000+/-0.000 χ²/NDF: 75.9/100

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5210464.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7295369.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

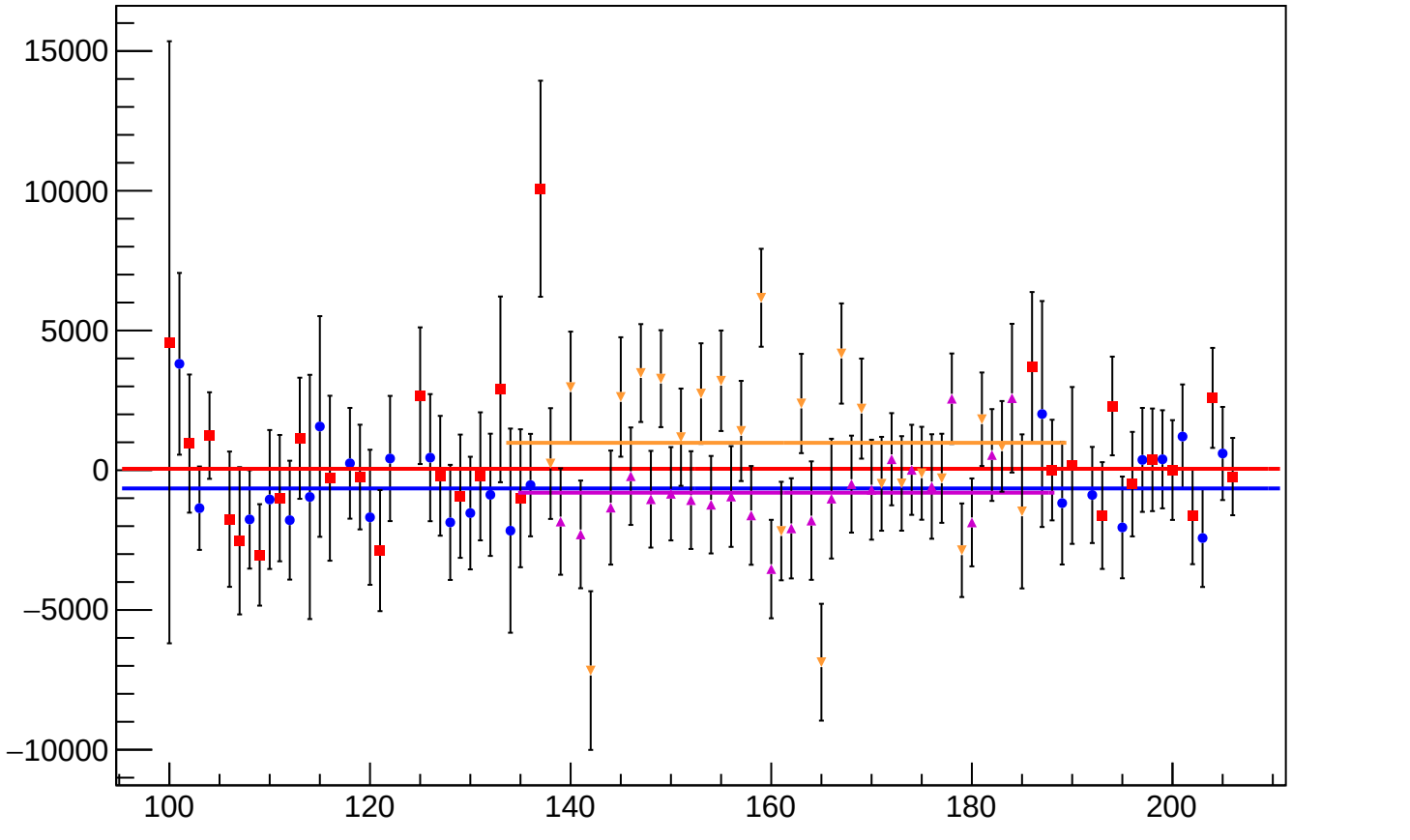
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

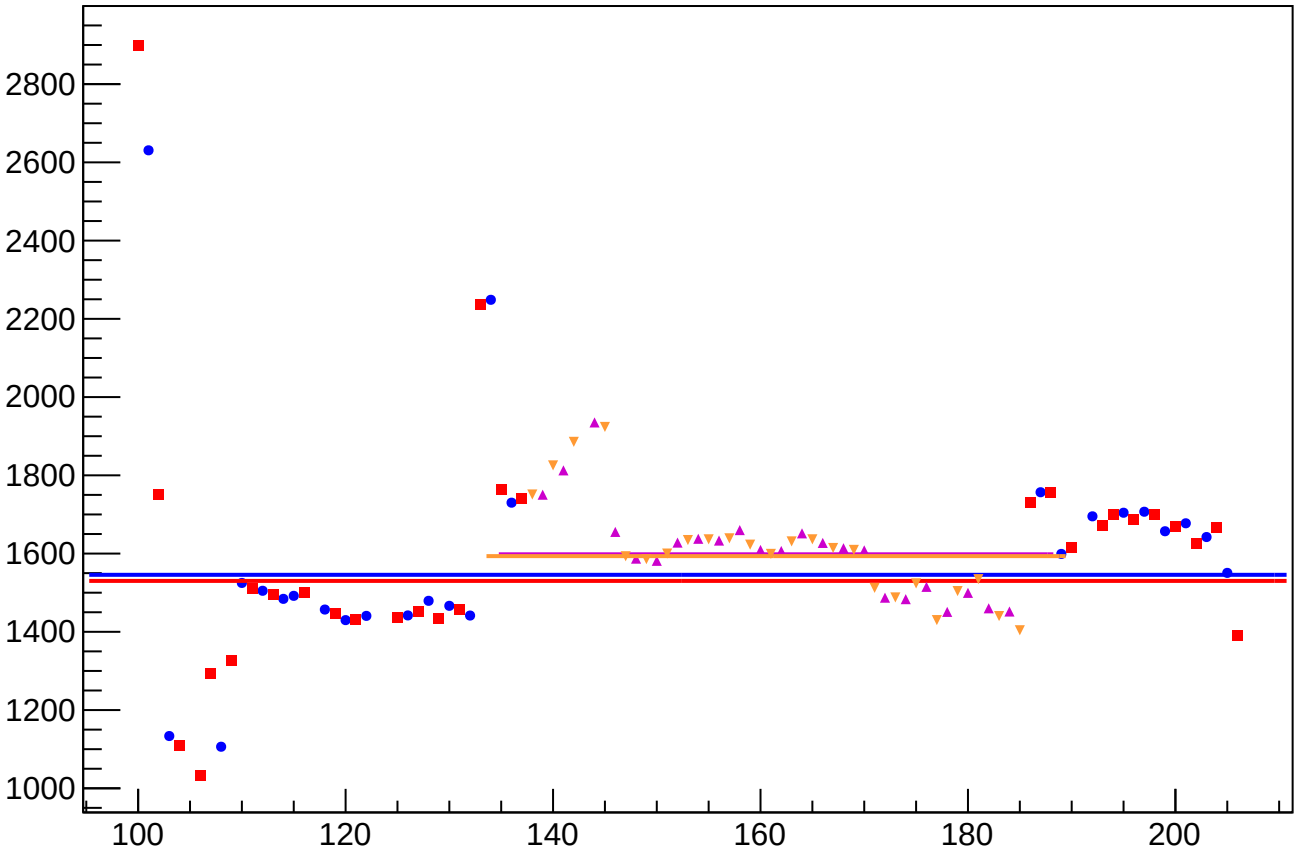
Right: 0.000+/-0.000 χ^2/NDF: 12622311.8/53

In: 0.000+/-0.000 χ^2/NDF:11623614.0/47

Out: 0.000+/-0.000 χ^2/NDF:12464797.8/52

All: 0.000+/-0.000 χ^2/NDF: 24092530.4/100


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -650.918+/-417.241 χ²/NDF: 9.0/24
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: 51.664+/-390.130 χ²/NDF: 24.0/28
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -276.062+/-284.966 χ²/NDF: 34.5/53
In: -735.736+/-278.522 χ²/NDF:21.6/47
Out: 540.200+/-268.786 χ²/NDF:82.5/52
All: -75.077+/-193.411 χ²/NDF: 114.9/100



Right In: 1545.714+/-0.295 χ^2/NDF: 698844.7/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1530.145+/-0.275 χ^2/NDF: 636236.8/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

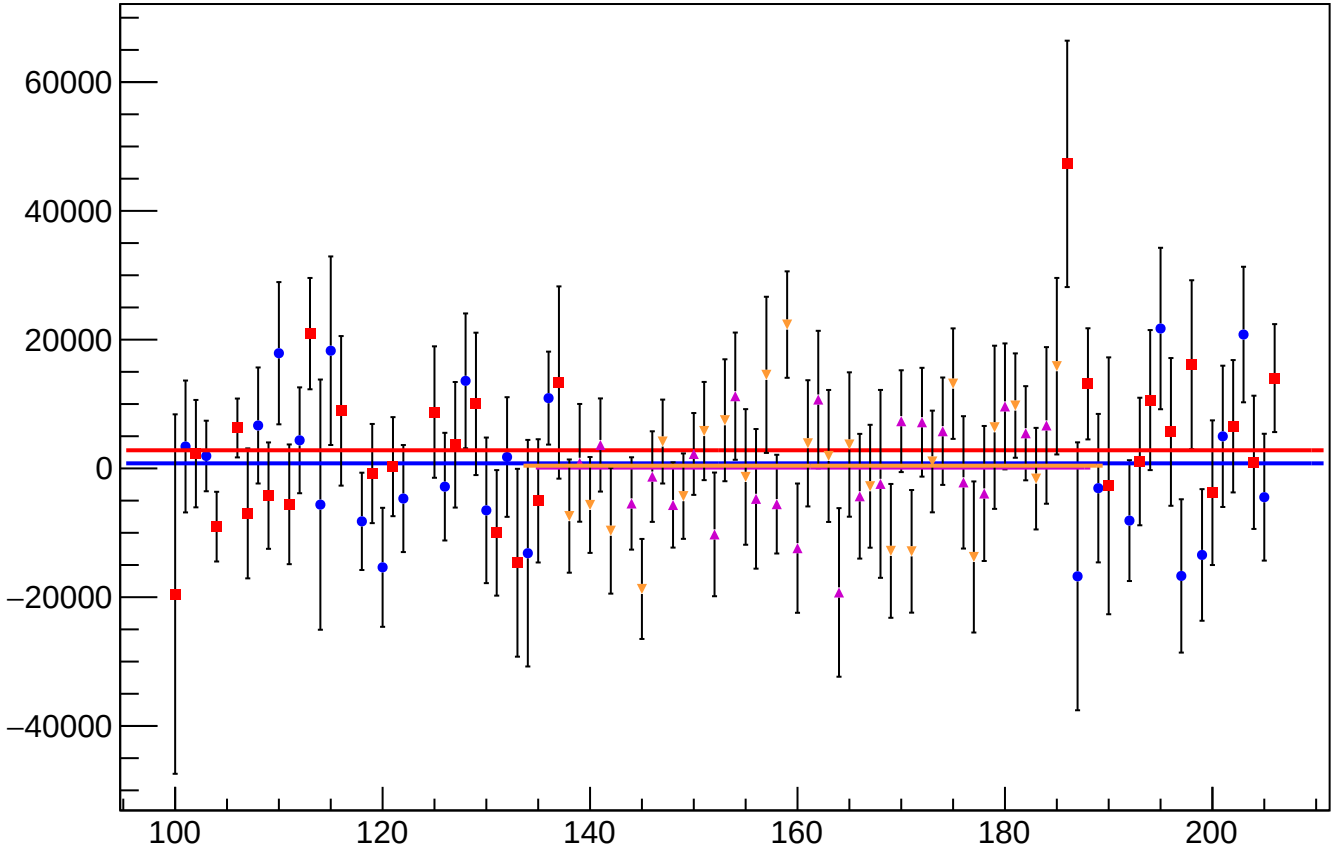
Right: 1537.378+/-0.201 χ^2/NDF: 1336572.5/53

In: 1574.767+/-0.197 χ^2/NDF:885493.5/47

Out: 1563.299+/-0.190 χ^2/NDF:851652.2/52

All: 1568.819+/-0.137 χ^2/NDF: 1738904.5/10

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 789.549+/-1938.140 χ^2/NDF: 26.9/24

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2818.122+/-1717.974 χ^2/NDF: 29.5/28

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

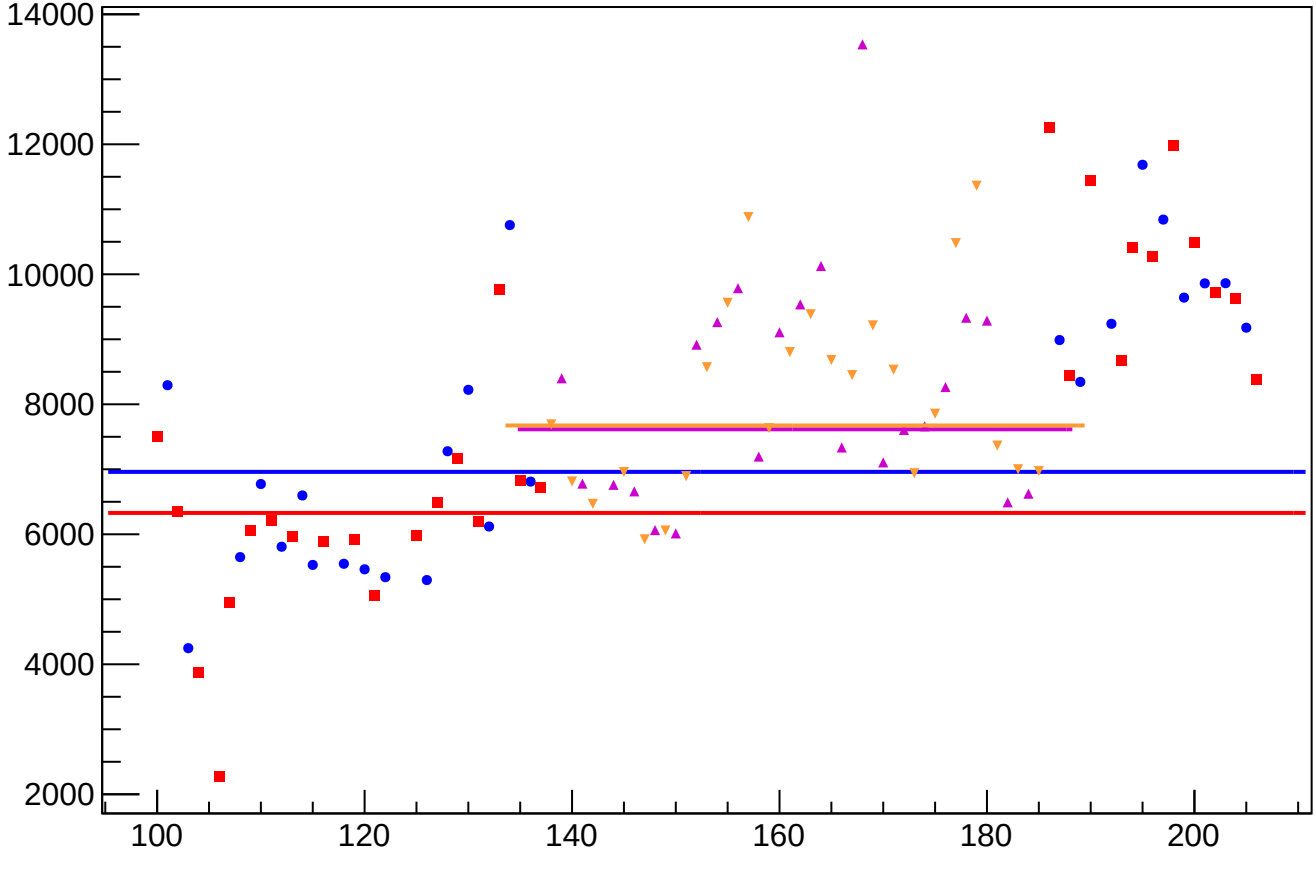
Right: 1925.552+/-1285.615 χ^2/NDF: 57.0/53

In: 436.193+/-1324.728 χ^2/NDF:40.8/47

Out: 1691.237+/-1249.264 χ^2/NDF:59.7/52

All: 1100.479+/-908.871 χ^2/NDF: 101.1/100

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6960.413+/-1.370 χ^2/NDF: 2234033.9/24

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6328.701+/-1.215 χ^2/NDF: 4488883.6/28

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

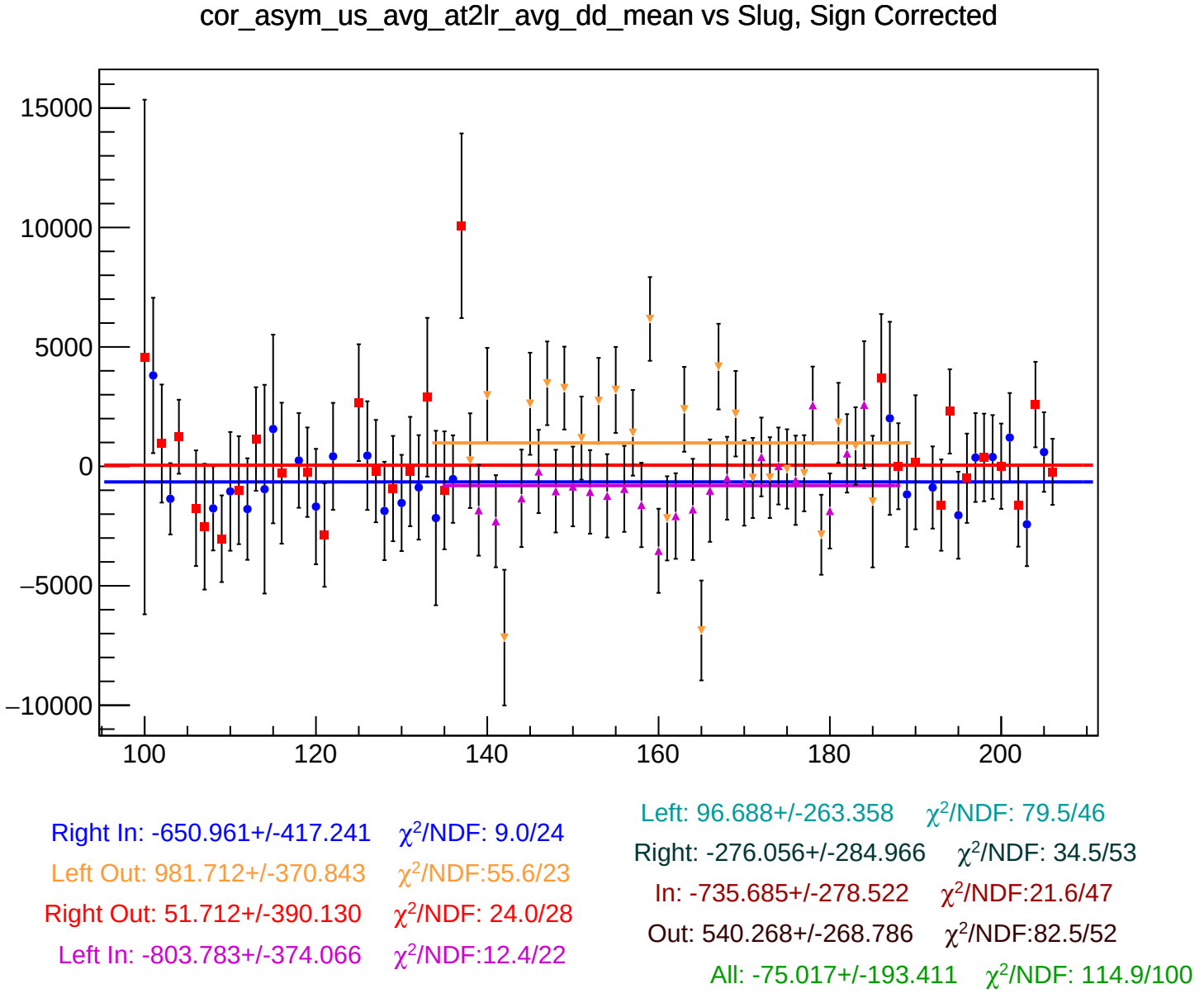
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

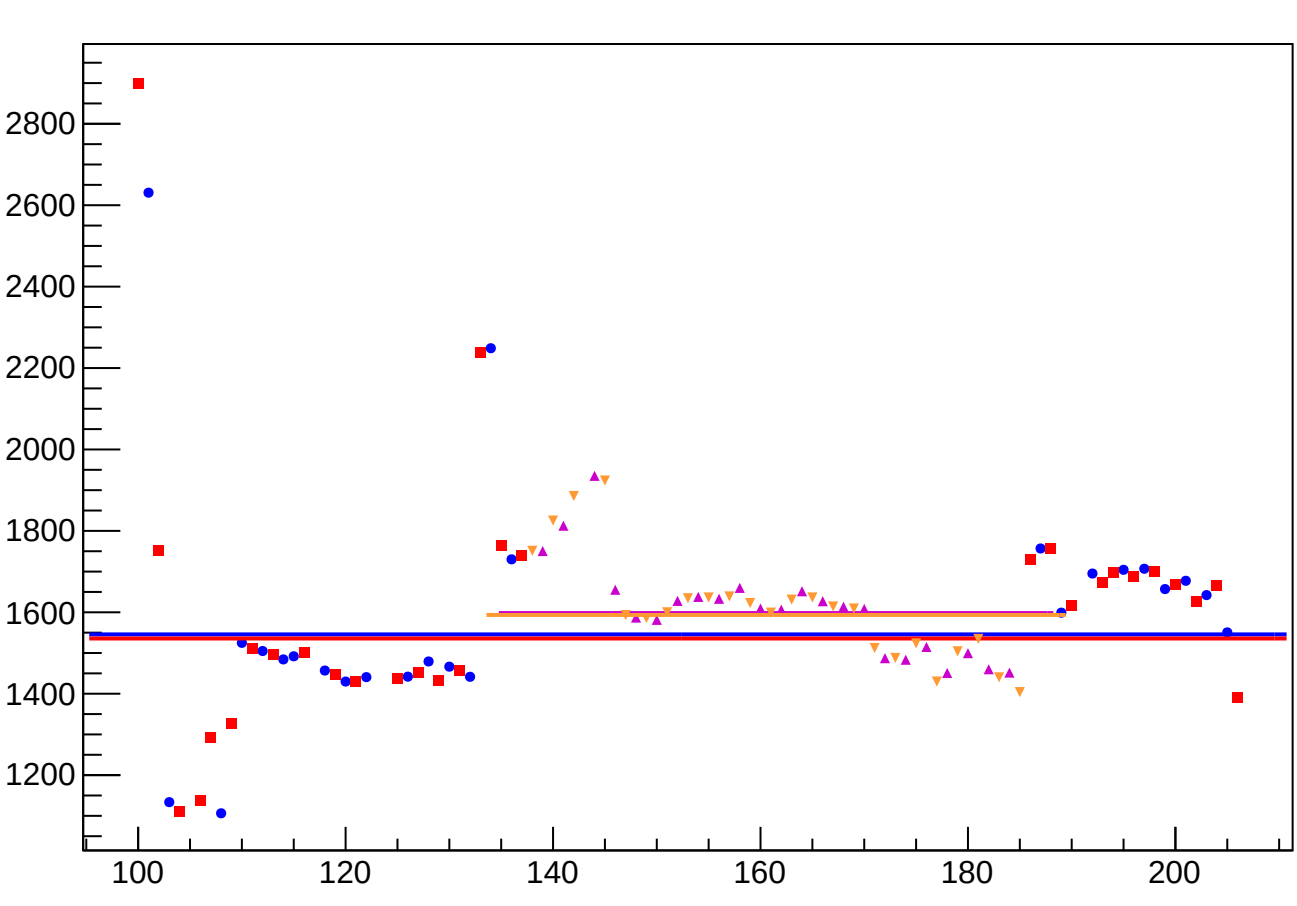
Right: 6606.654+/-0.909 χ^2/NDF: 6841901.1/53

In: 7309.177+/-0.937 χ^2/NDF:3580100.1/47

Out: 6962.661+/-0.883 χ^2/NDF:6143555.9/52

All: 7125.769+/-0.643 χ^2/NDF: 9796086.1/10


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -650.961+/-417.241 χ²/NDF: 9.0/24
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 51.712+/-390.130 χ²/NDF: 24.0/28
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -276.056+/-284.966 χ²/NDF: 34.5/53
In: -735.685+/-278.522 χ²/NDF:21.6/47
Out: 540.268+/-268.786 χ²/NDF:82.5/52
All: -75.017+/-193.411 χ²/NDF: 114.9/100



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

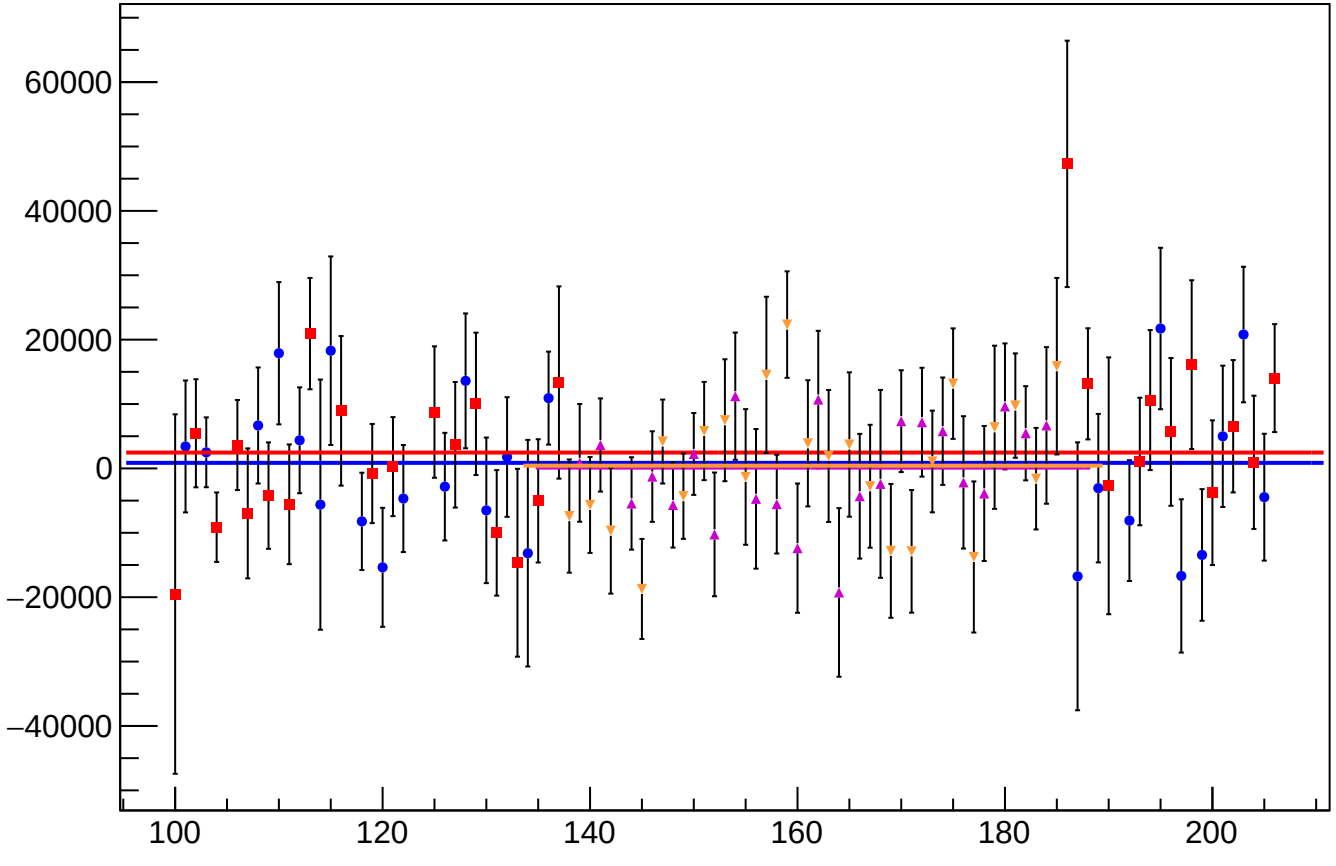
Right: 1540.348+/-0.201 χ^2/NDF: 1284027.6/53

In: 1574.767+/-0.197 χ^2/NDF:885494.0/47

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1570.228+/-0.137 χ^2/NDF: 1681797.4/10

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

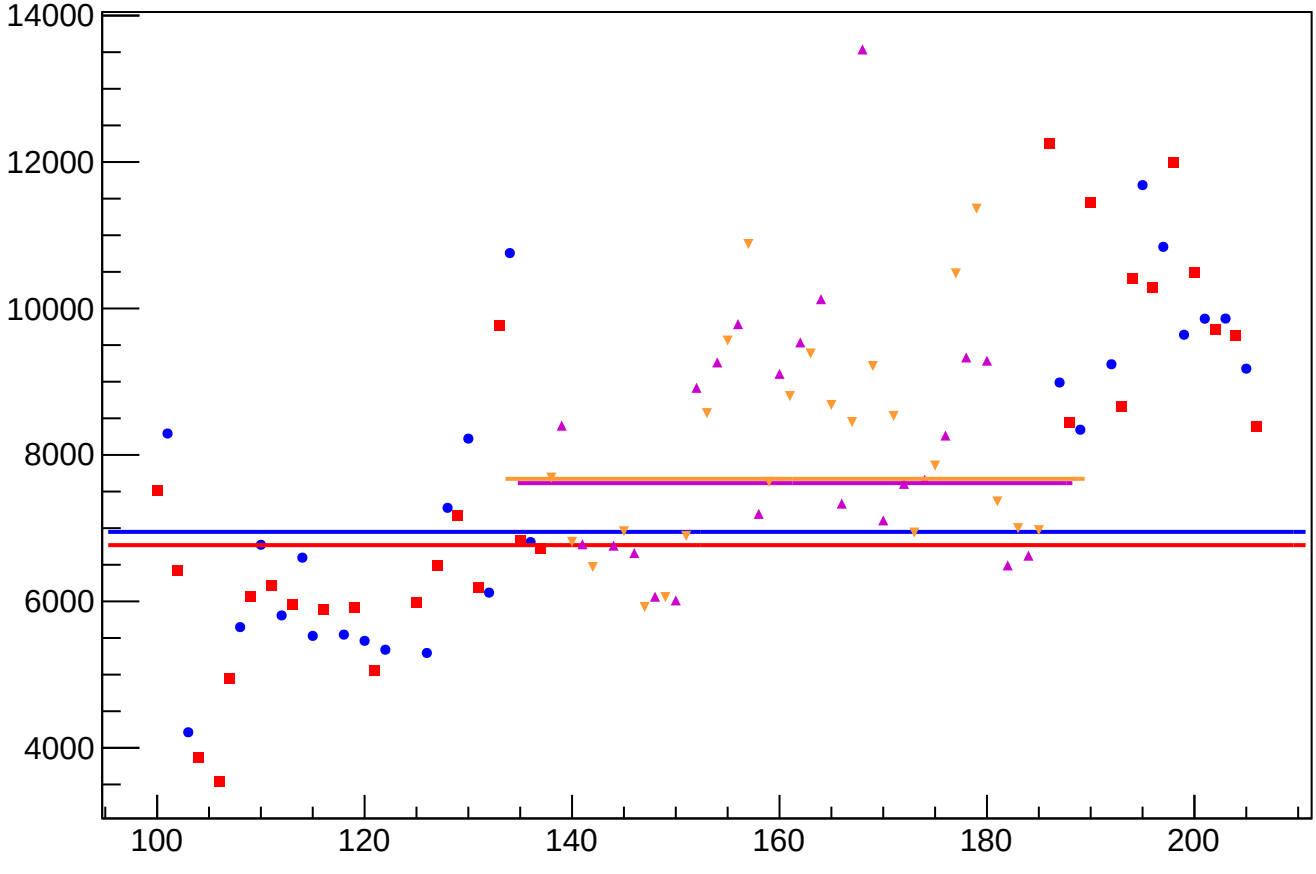
Right: 1727.046+/-1314.957 χ^2/NDF: 56.4/53

In: 471.990+/-1323.975 χ^2/NDF:40.9/47

Out: 1461.918+/-1276.809 χ^2/NDF:59.1/52

All: 984.901+/-919.062 χ^2/NDF: 100.3/100

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

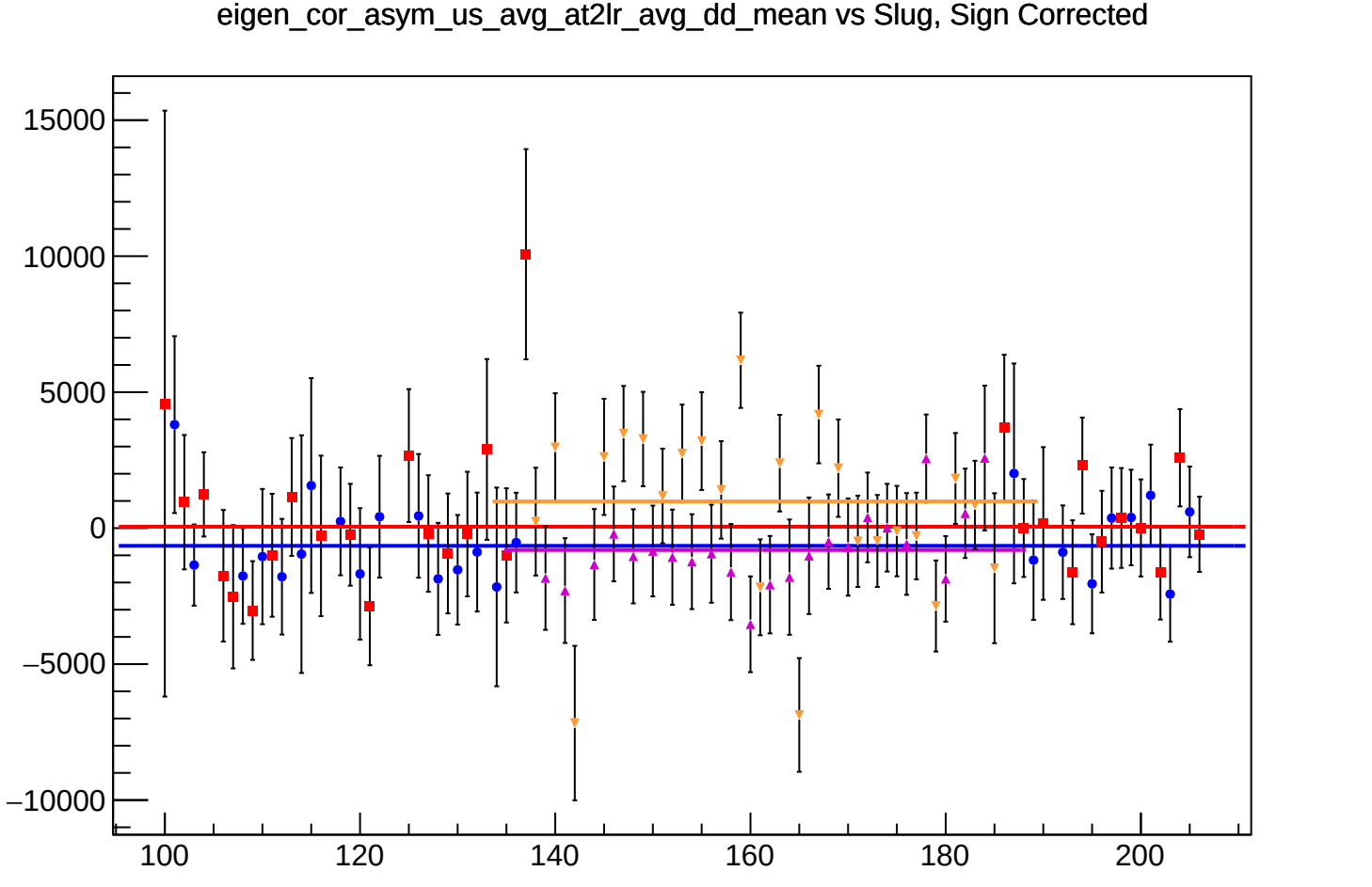
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

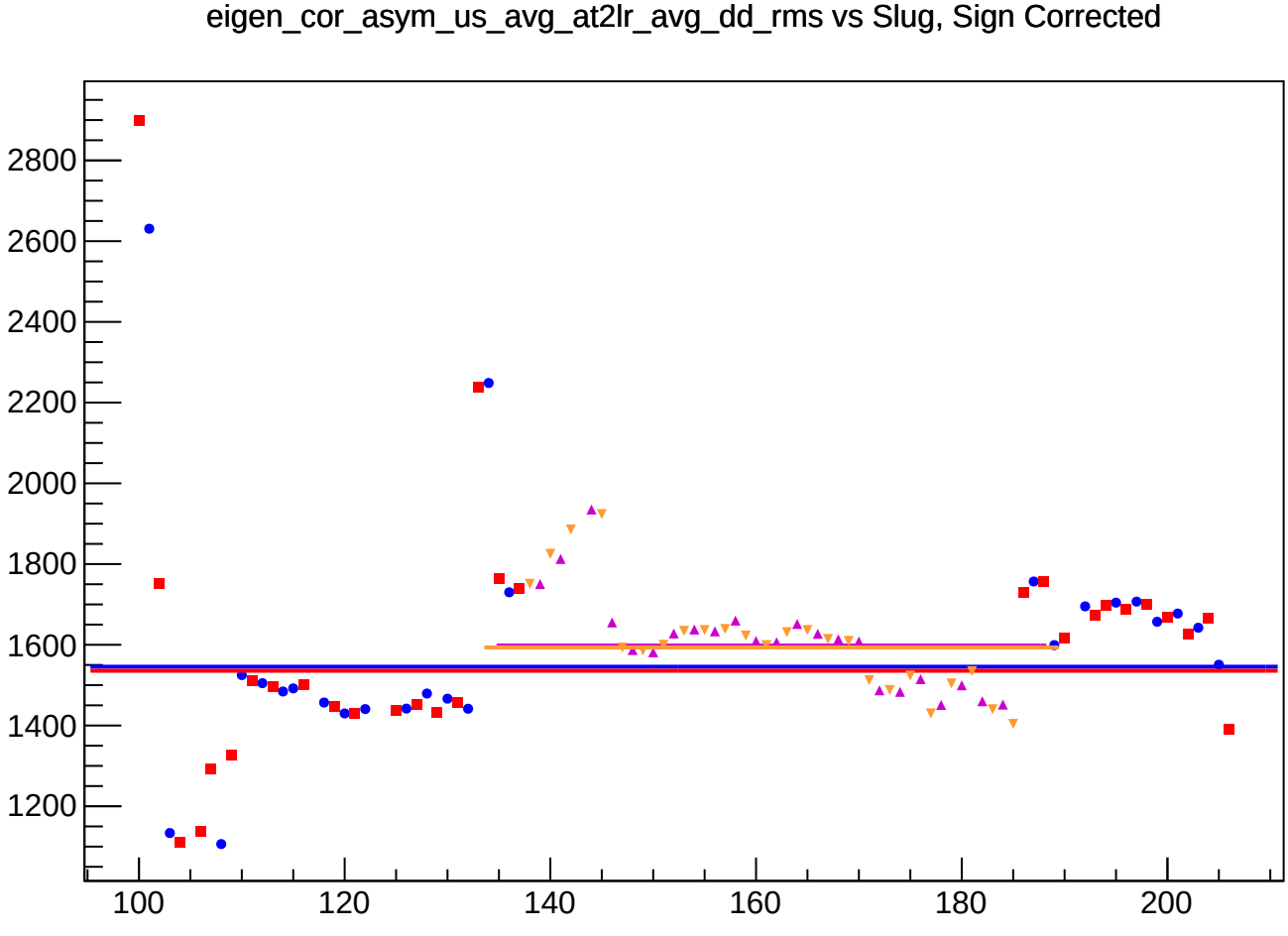
Right: 6851.892+/-0.930 χ^2/NDF: 5384530.5/53

In: 7303.566+/-0.936 χ^2/NDF:3607102.3/47

Out: 7214.221+/-0.903 χ^2/NDF:4446618.9/52

All: 7257.274+/-0.650 χ^2/NDF: 8058440.2/10


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -650.961+/-417.241 χ²/NDF: 9.0/24
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 51.712+/-390.130 χ²/NDF: 24.0/28
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -276.056+/-284.966 χ²/NDF: 34.5/53
In: -735.685+/-278.522 χ²/NDF:21.6/47
Out: 540.268+/-268.786 χ²/NDF:82.5/52
All: -75.017+/-193.411 χ²/NDF: 114.9/100



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

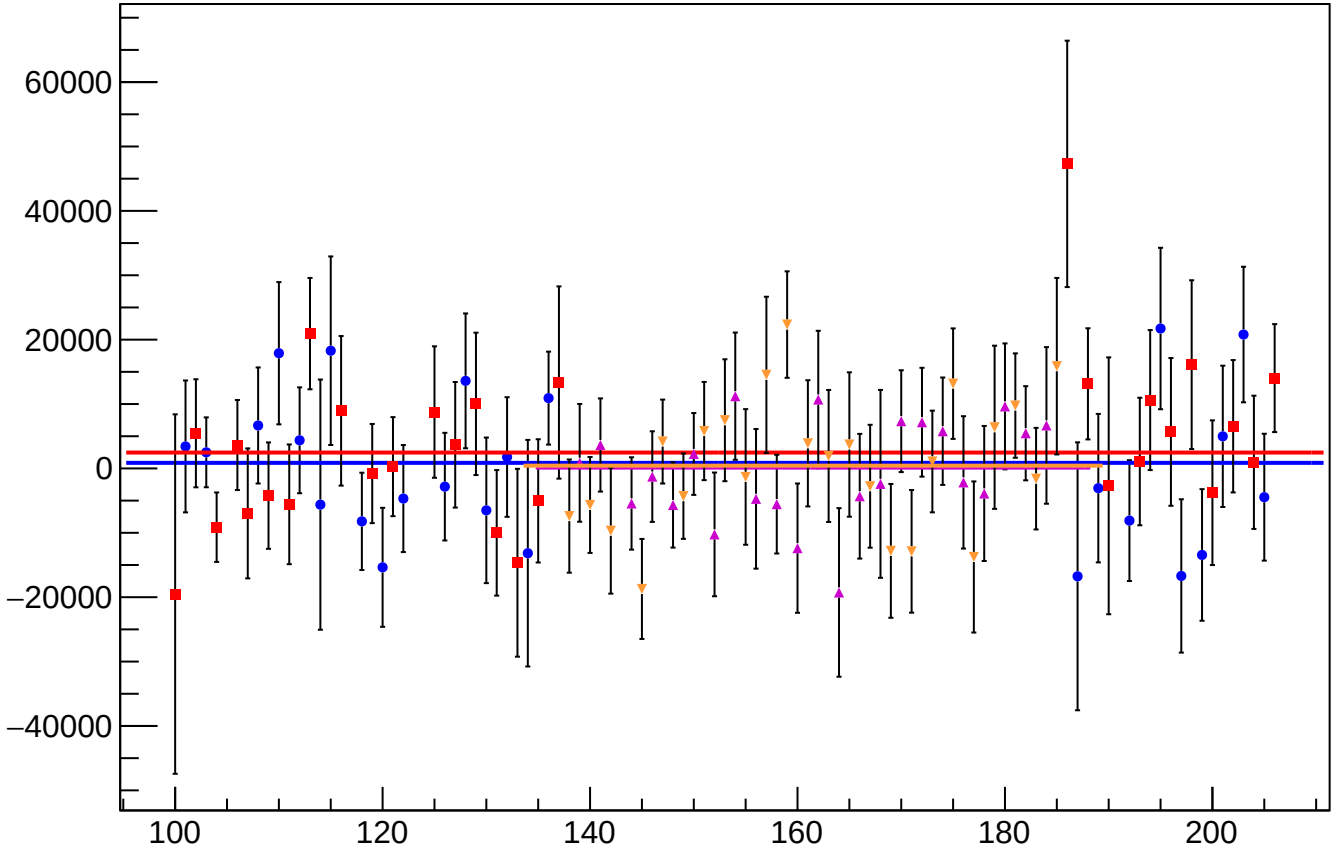
Right: 1540.348+/-0.201 χ^2/NDF: 1284027.6/53

In: 1574.767+/-0.197 χ^2/NDF:885494.0/47

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1570.228+/-0.137 χ^2/NDF: 1681797.4/10

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

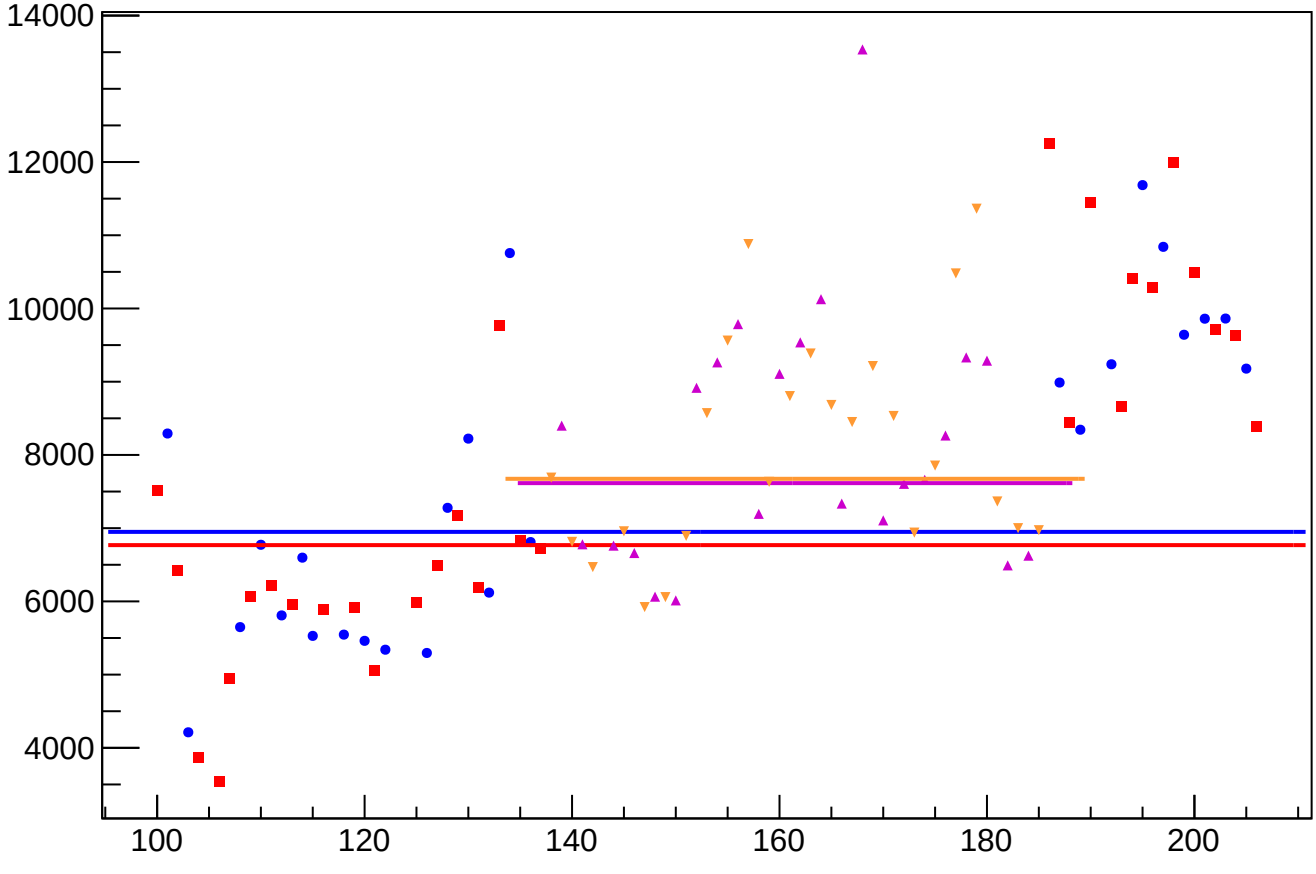
Right: 1727.046+/-1314.957 χ^2/NDF: 56.4/53

In: 471.990+/-1323.975 χ^2/NDF:40.9/47

Out: 1461.918+/-1276.809 χ^2/NDF:59.1/52

All: 984.901+/-919.062 χ^2/NDF: 100.3/100

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

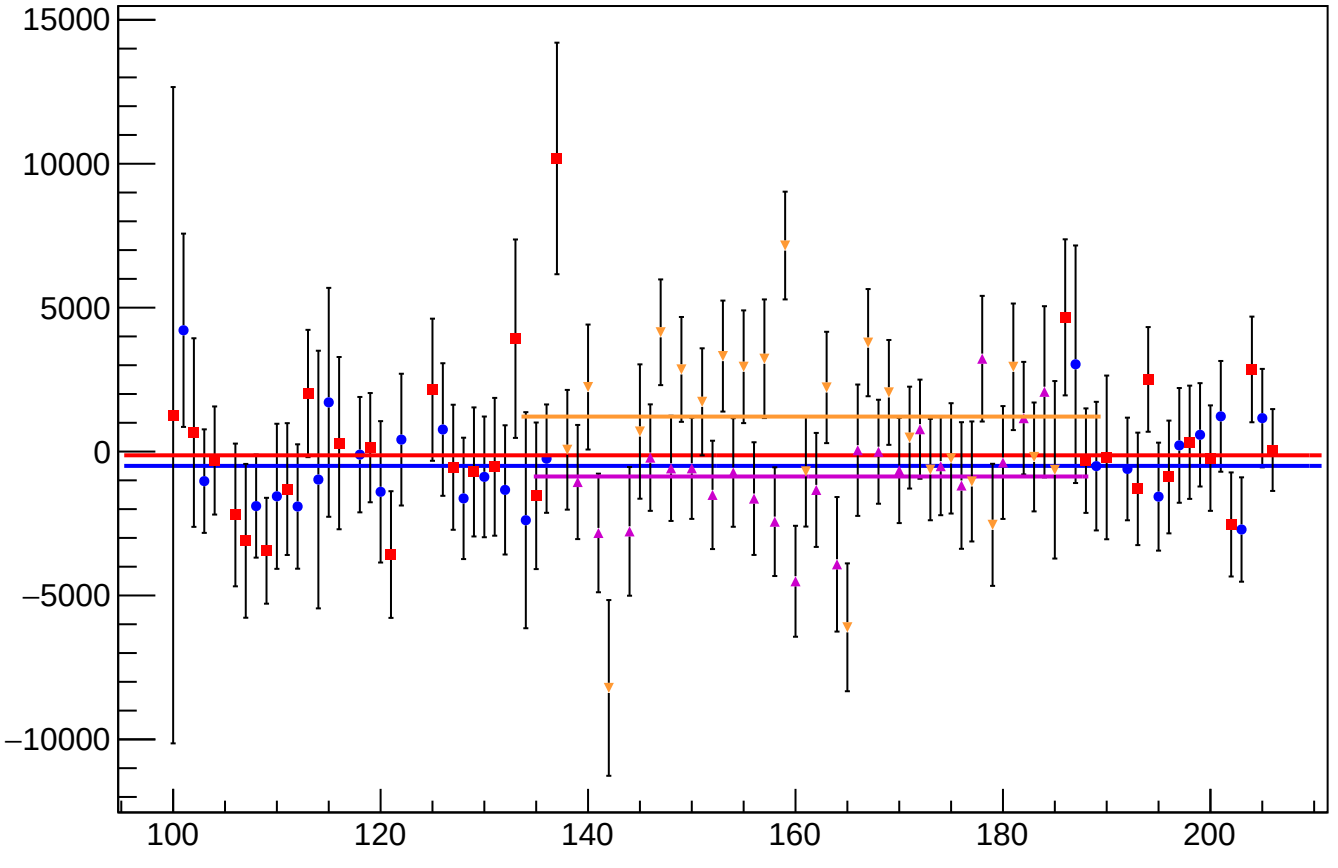
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6851.892+/-0.930 χ^2/NDF: 5384530.5/53

In: 7303.566+/-0.936 χ^2/NDF:3607102.3/47

Out: 7214.221+/-0.903 χ^2/NDF:4446618.9/52

All: 7257.274+/-0.650 χ^2/NDF: 8058440.2/10



Right In: -497.750+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -130.129+/-406.054 χ^2/NDF: 28.4/28

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

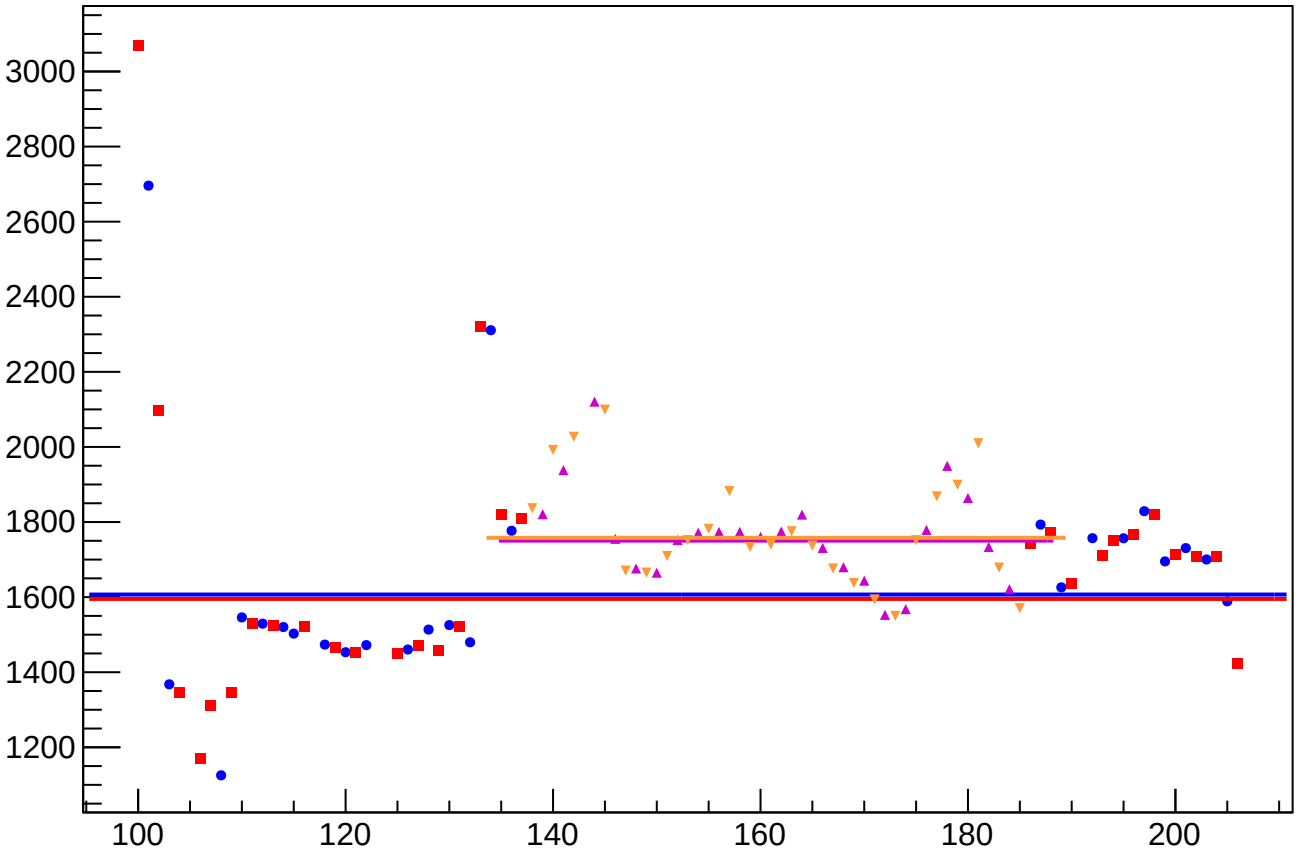
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -302.058+/-296.258 χ^2/NDF: 38.5/53

In: -691.997+/-297.795 χ^2/NDF:25.2/47

Out: 536.788+/-288.364 χ^2/NDF:82.3/52

All: -57.838+/-207.158 χ^2/NDF: 116.4/100



Right In: 1606.895+/-0.306 χ^2/NDF: 602518.8/24

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1595.239+/-0.287 χ^2/NDF: 531161.5/28

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

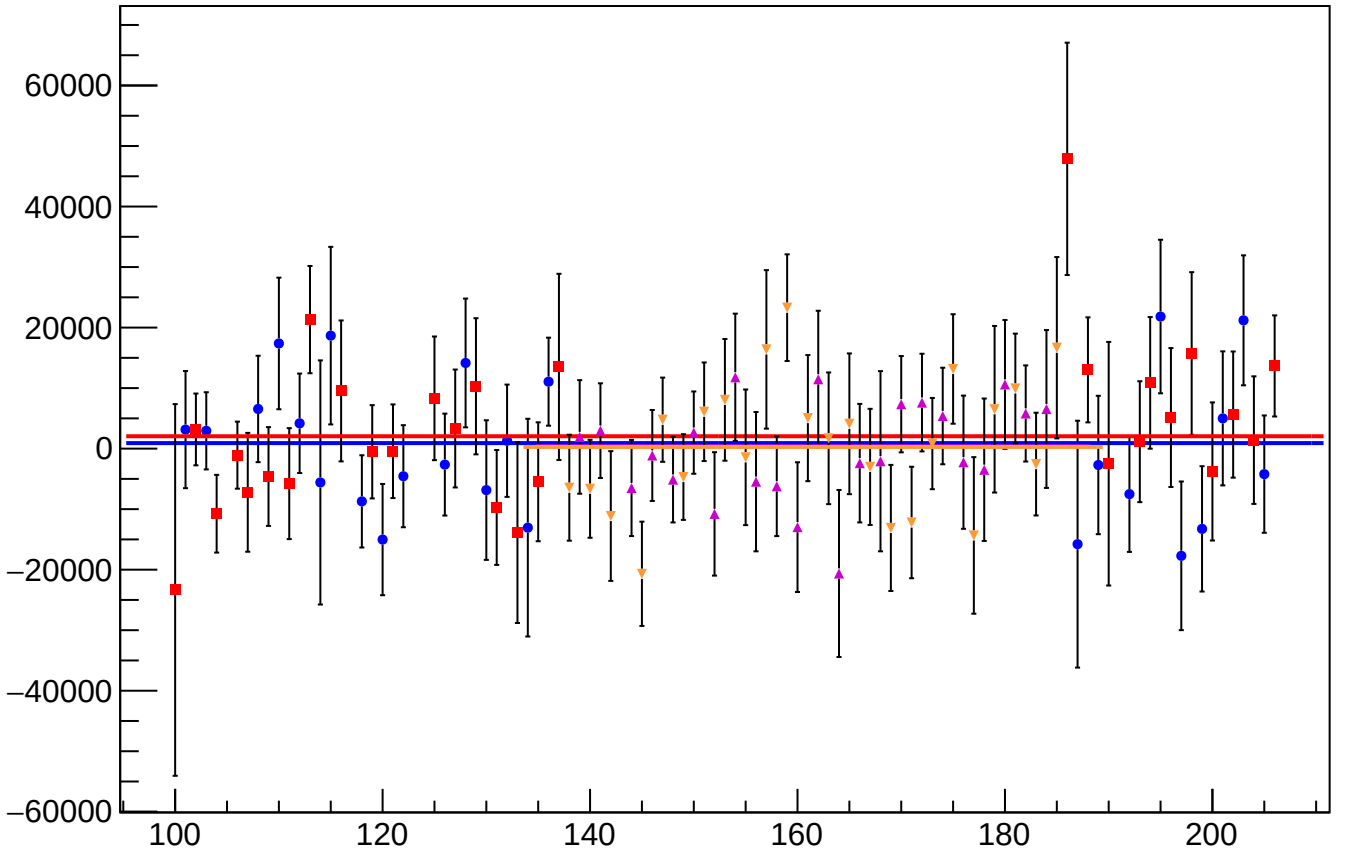
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1600.690+/-0.209 χ^2/NDF: 1134451.1/53

In: 1682.628+/-0.211 χ^2/NDF:890292.4/47

Out: 1675.886+/-0.204 χ^2/NDF:903678.1/52

All: 1679.148+/-0.146 χ^2/NDF: 1794499.6/10



Right In: 913.535+/-1974.665 χ^2/NDF: 26.8/24

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 2045.889+/-1752.088 χ^2/NDF: 28.8/28

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

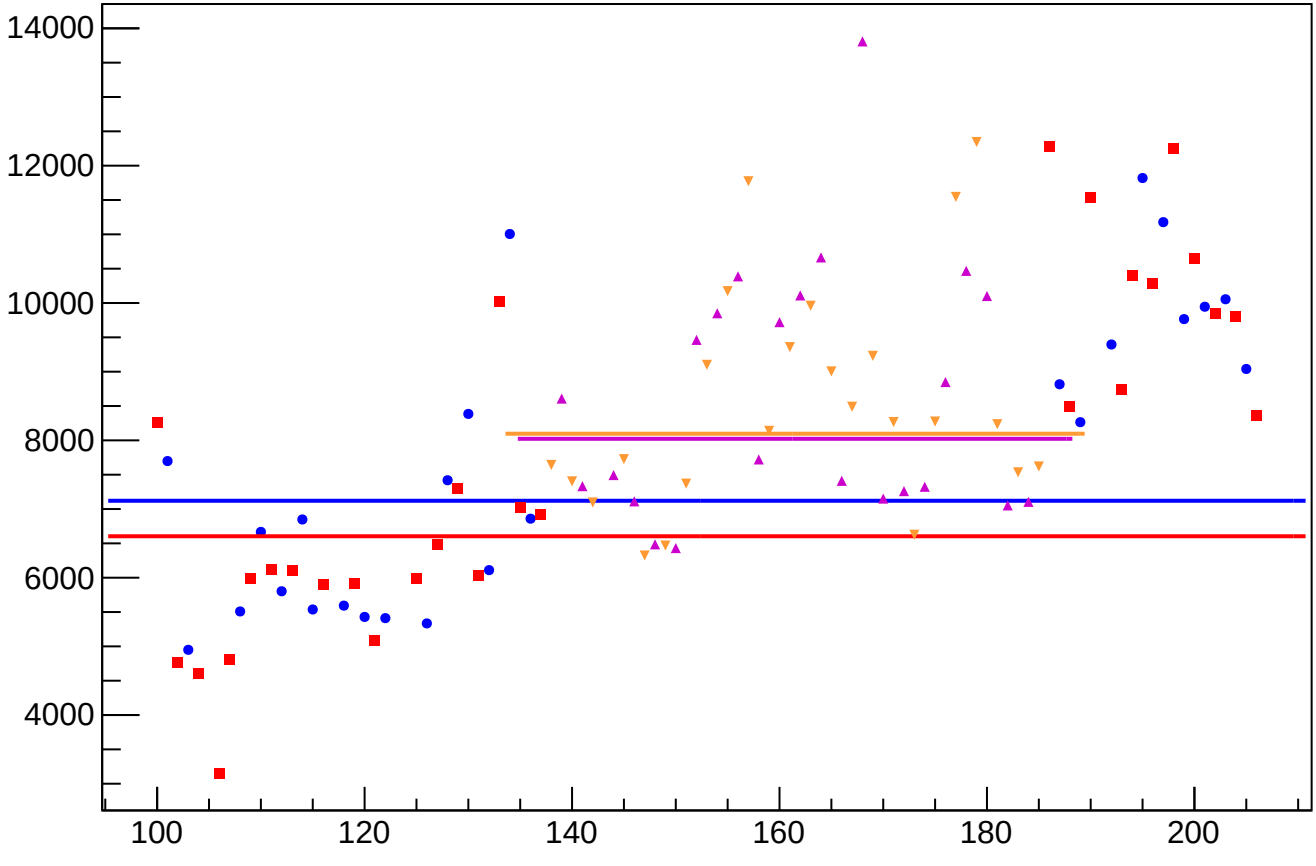
Right: 1547.100+/-1310.571 χ^2/NDF: 55.8/53

In: 639.594+/-1373.751 χ^2/NDF:40.4/47

Out: 1245.823+/-1294.253 χ^2/NDF:57.9/52

All: 960.756+/-942.026 χ^2/NDF: 98.5/100

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7120.322+/-1.396 χ^2/NDF: 1979085.6/24

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6603.454+/-1.239 χ^2/NDF: 3492969.8/28

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

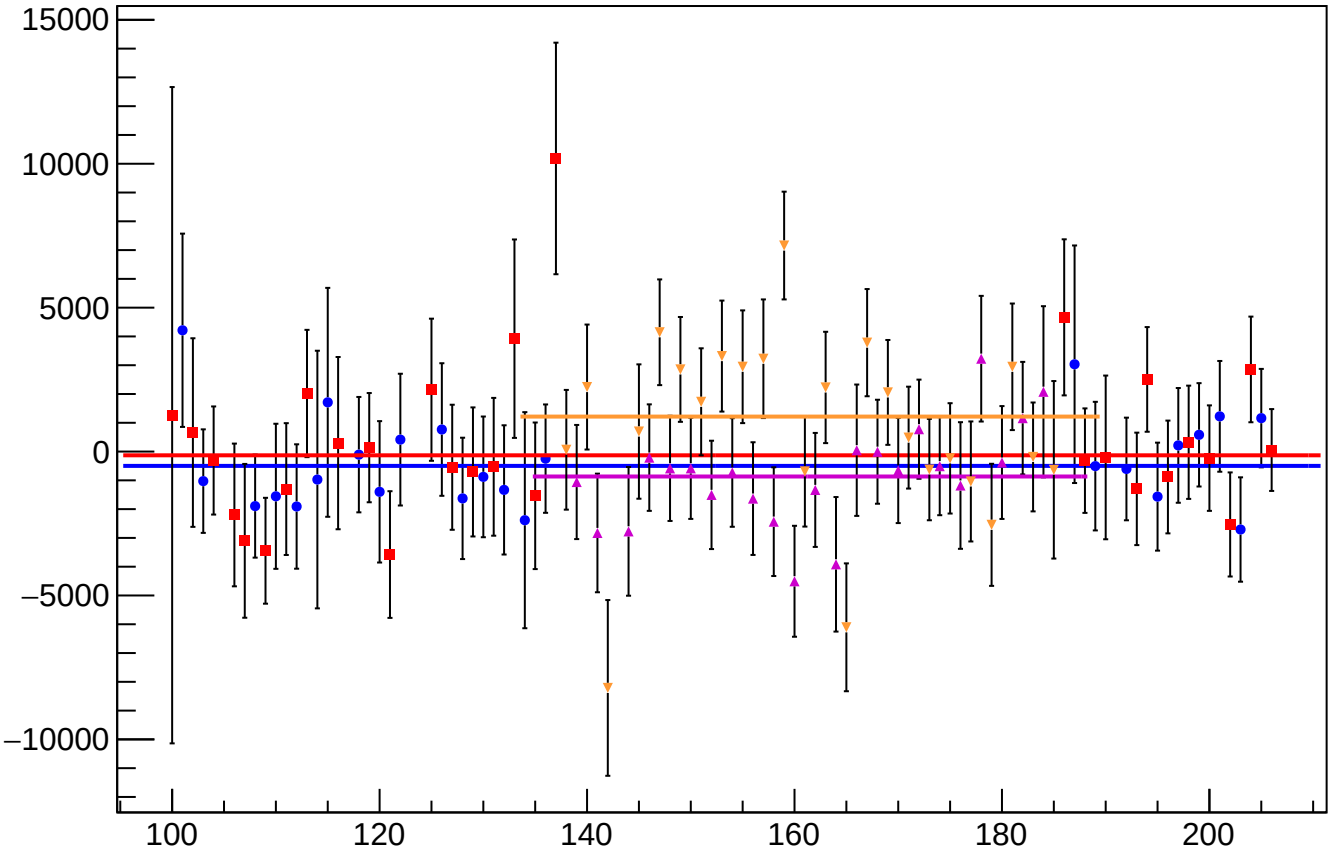
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6831.128+/-0.927 χ^2/NDF: 5548723.0/53

In: 7585.979+/-0.971 χ^2/NDF:3420166.2/47

Out: 7281.941+/-0.915 χ^2/NDF:5240886.7/52

All: 7424.909+/-0.666 χ^2/NDF: 8712951.5/10



Right In: -497.748+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -130.131+/-406.054 χ^2/NDF: 28.4/28

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

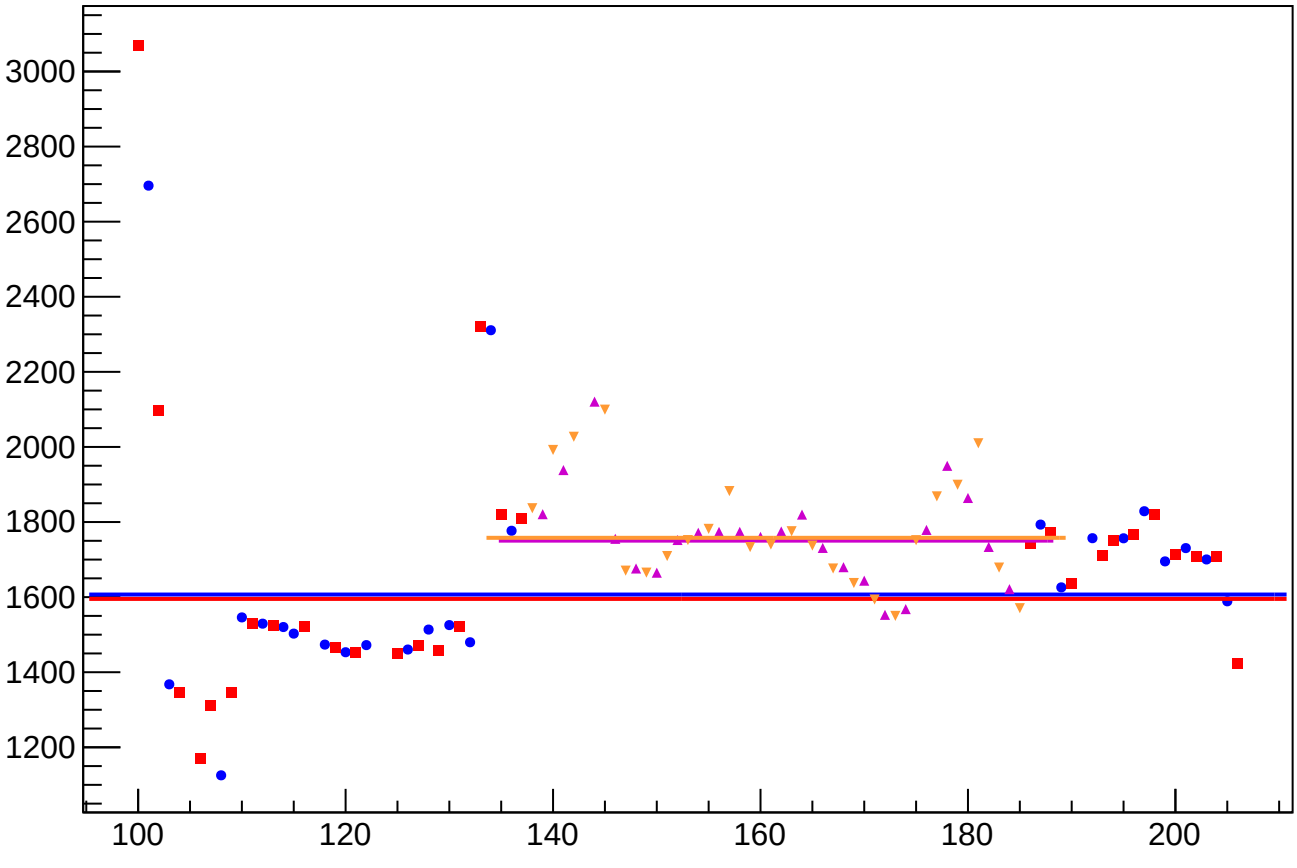
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -302.058+/-296.258 χ^2/NDF: 38.5/53

In: -691.995+/-297.795 χ^2/NDF:25.2/47

Out: 536.790+/-288.364 χ^2/NDF:82.3/52

All: -57.836+/-207.158 χ^2/NDF: 116.4/100



Right In: 1606.895+/-0.306 χ^2/NDF: 602519.1/24

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1595.240+/-0.287 χ^2/NDF: 531163.1/28

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

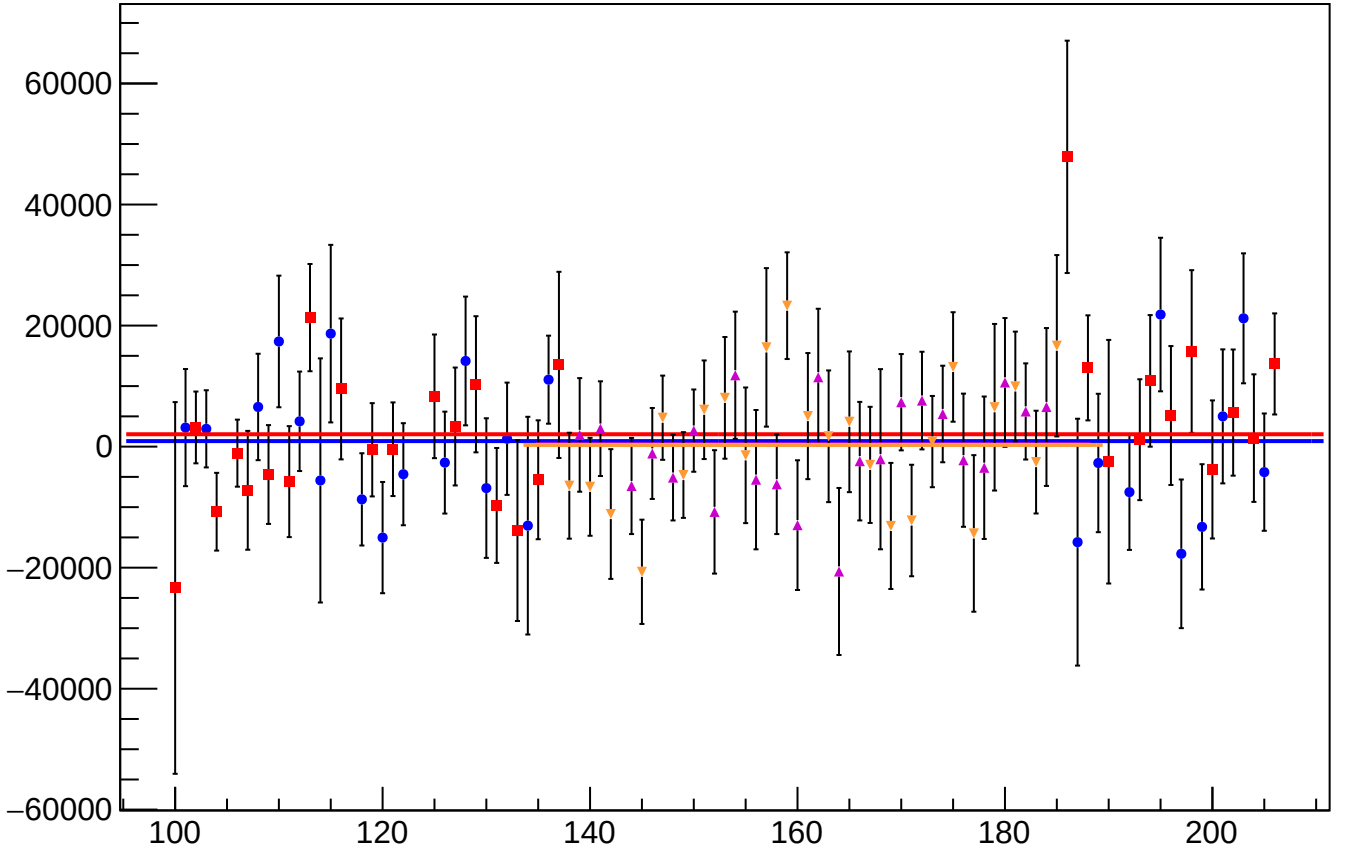
Right: 1600.690+/-0.209 χ^2/NDF: 1134453.0/53

In: 1682.629+/-0.211 χ^2/NDF:890305.1/47

Out: 1675.887+/-0.204 χ^2/NDF:903692.5/52

All: 1679.150+/-0.146 χ^2/NDF: 1794526.6/10

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.522+/-1974.663 χ^2/NDF: 26.8/24

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 2045.876+/-1752.086 χ^2/NDF: 28.8/28

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

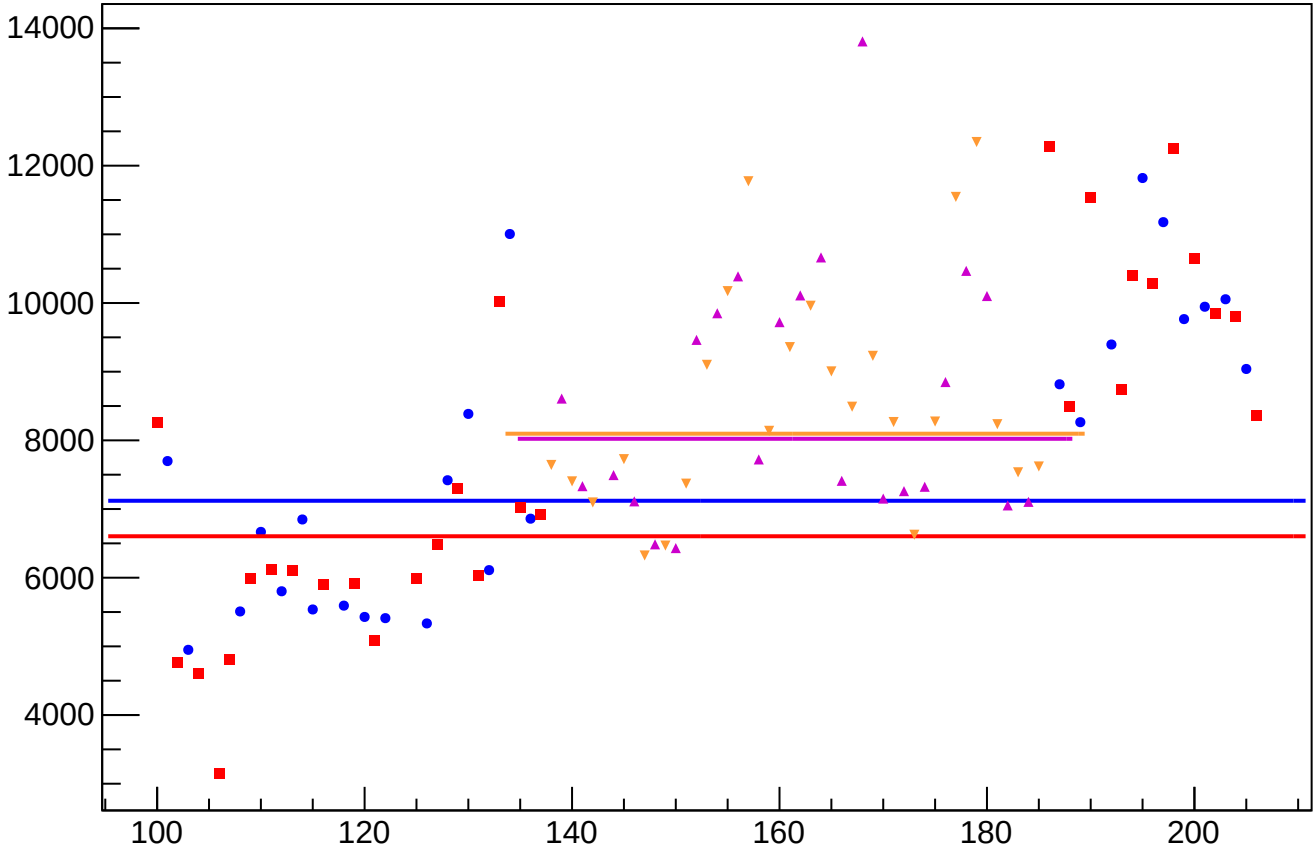
Right: 1547.088+/-1310.569 χ^2/NDF: 55.8/53

In: 639.590+/-1373.751 χ^2/NDF:40.4/47

Out: 1245.819+/-1294.253 χ^2/NDF:57.9/52

All: 960.752+/-942.026 χ^2/NDF: 98.5/100

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7120.311+/-1.396 χ^2/NDF: 1979109.4/24

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6603.444+/-1.239 χ^2/NDF: 3492994.6/28

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

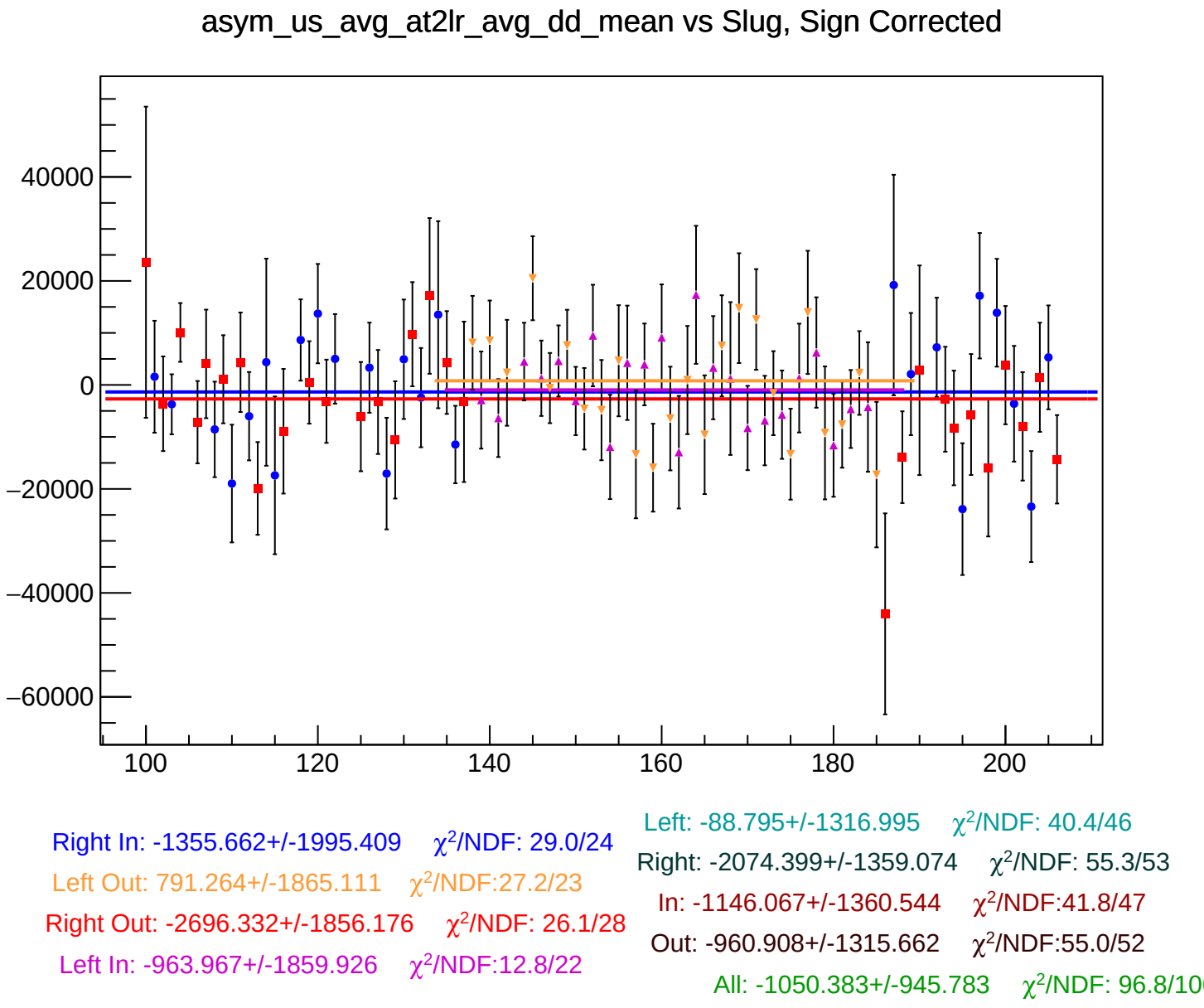
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

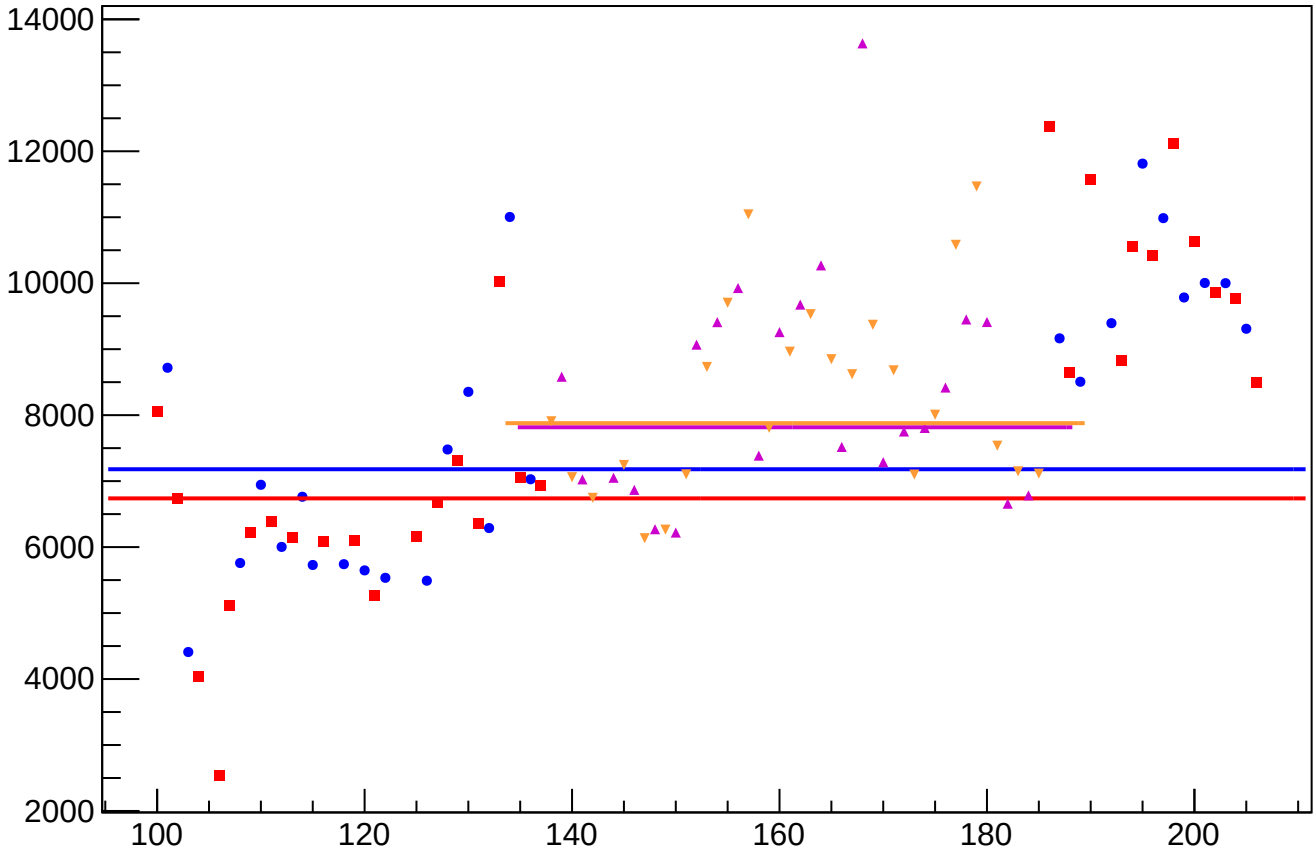
Right: 6831.118+/-0.927 χ^2/NDF: 5548771.5/53

In: 7585.978+/-0.971 χ^2/NDF:3420204.9/47

Out: 7281.939+/-0.915 χ^2/NDF:5240933.3/52

All: 7424.908+/-0.666 χ^2/NDF: 8713037.3/10


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -1355.662+/-1995.409 χ²/NDF: 29.0/24
Left Out: 791.264+/-1865.111 χ²/NDF:27.2/23
Right Out: -2696.332+/-1856.176 χ²/NDF: 26.1/28
Left In: -963.967+/-1859.926 χ²/NDF:12.8/22
Left: -88.795+/-1316.995 χ²/NDF: 40.4/46
Right: -2074.399+/-1359.074 χ²/NDF: 55.3/53
In: -1146.067+/-1360.544 χ²/NDF:41.8/47
Out: -960.908+/-1315.662 χ²/NDF:55.0/52
All: -1050.383+/-945.783 χ²/NDF: 96.8/100



Right In: 7180.156+/-1.411 χ^2/NDF: 2109394.5/24

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6738.402+/-1.279 χ^2/NDF: 3729910.0/28

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

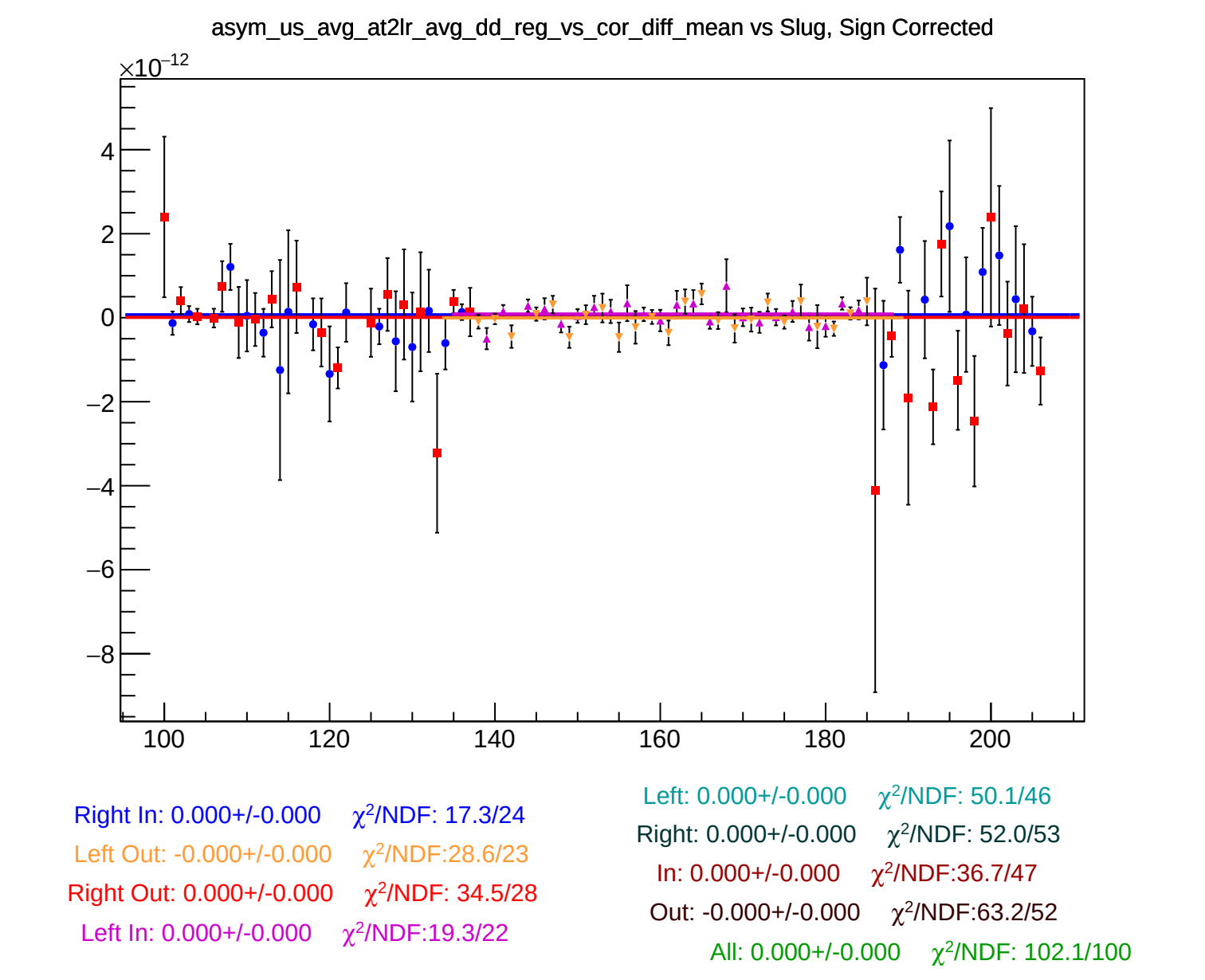
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6937.708+/-0.948 χ^2/NDF: 5893102.7/53

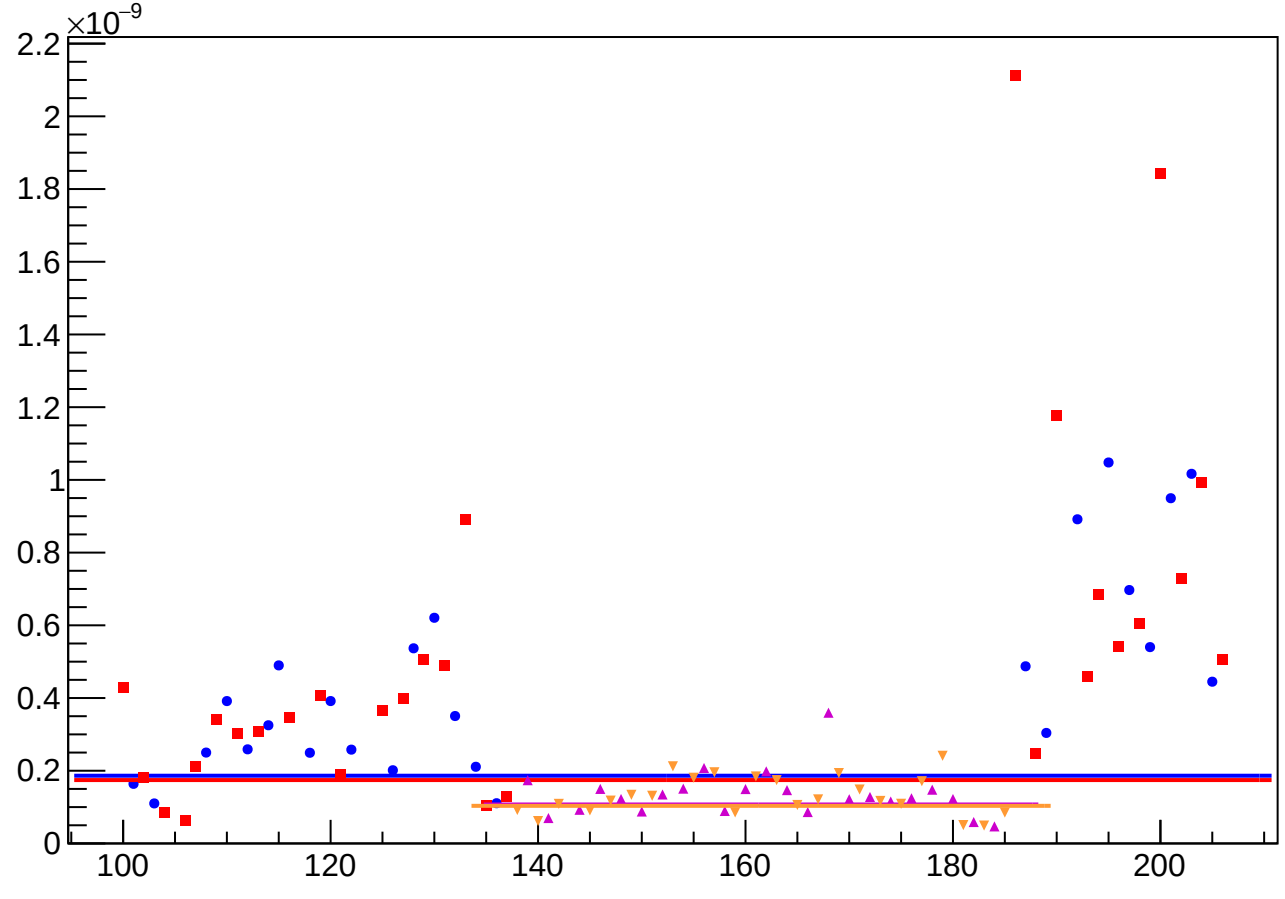
In: 7520.633+/-0.962 χ^2/NDF:3350584.1/47

Out: 7291.091+/-0.918 χ^2/NDF:5104988.3/52

All: 7400.519+/-0.664 χ^2/NDF: 8485361.9/10


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.3/24
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.5/28
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 52.0/53
In: 0.000+/-0.000 χ²/NDF:36.7/47
Out: -0.000+/-0.000 χ²/NDF:63.2/52
All: 0.000+/-0.000 χ²/NDF: 102.1/100

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4029743.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6071330.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

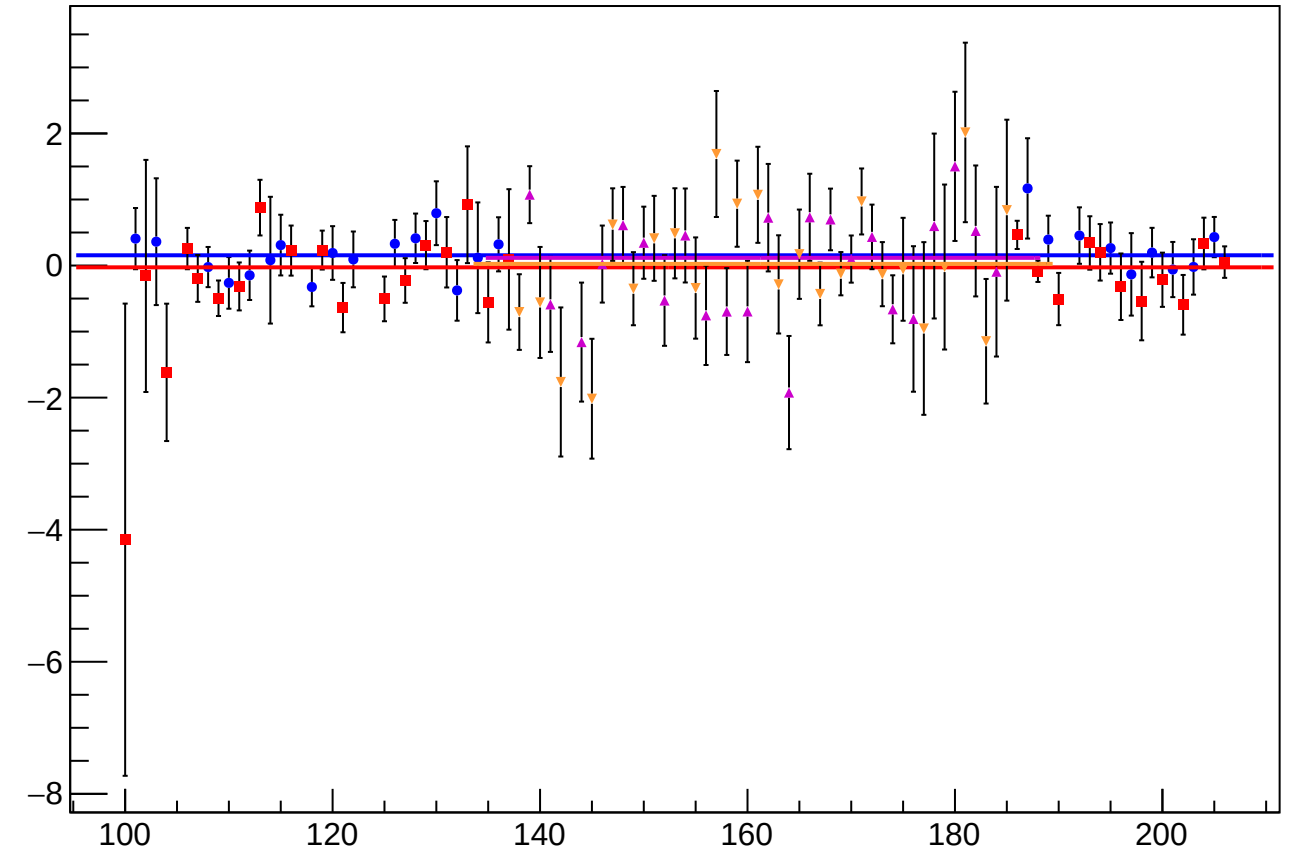
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 10115685.3/53

In: 0.000+/-0.000 χ^2/NDF:6660918.3/47

Out: 0.000+/-0.000 χ^2/NDF:8852694.4/52

All: 0.000+/-0.000 χ^2/NDF: 15528533.4/100



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

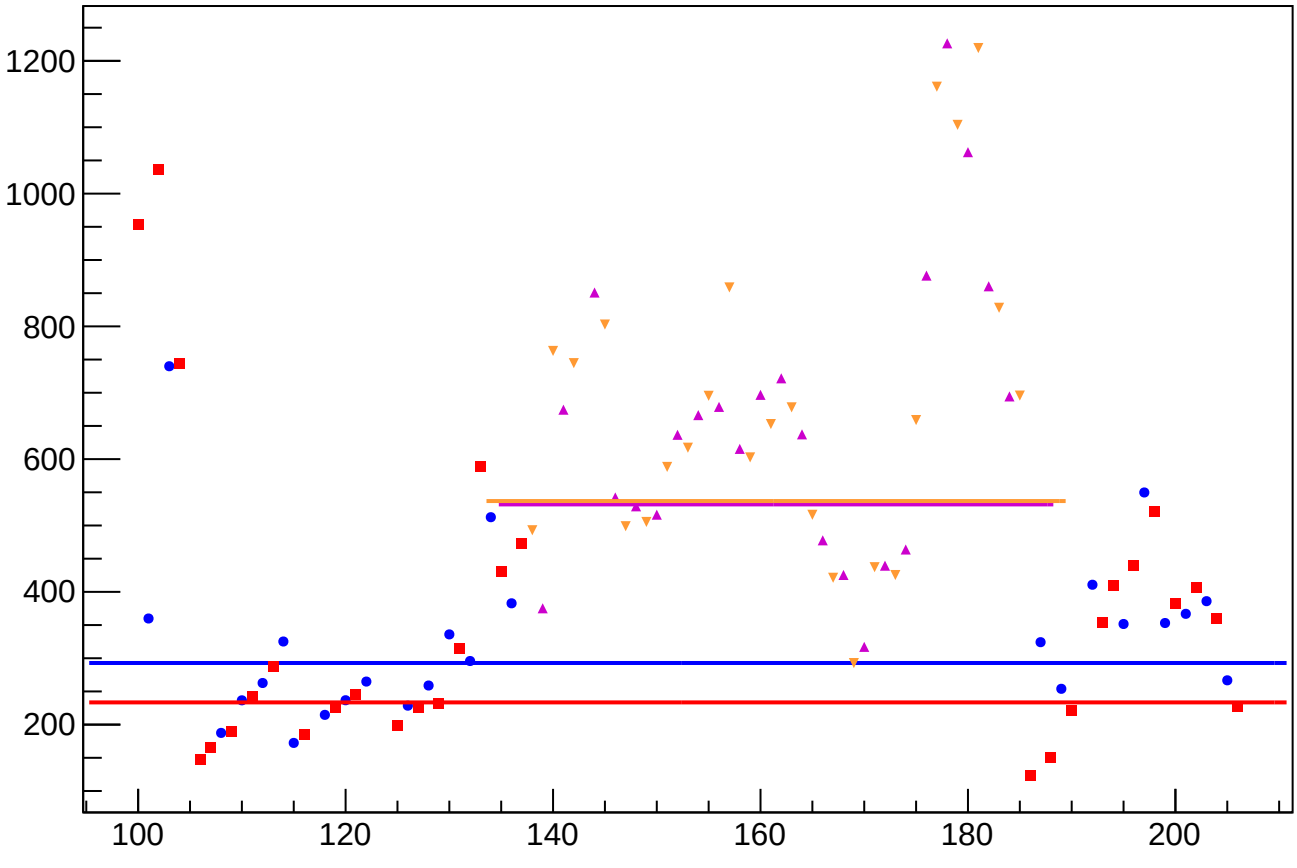
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.044+/-0.052 χ^2/NDF: 50.5/53

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.050+/-0.046 χ^2/NDF: 107.7/100



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

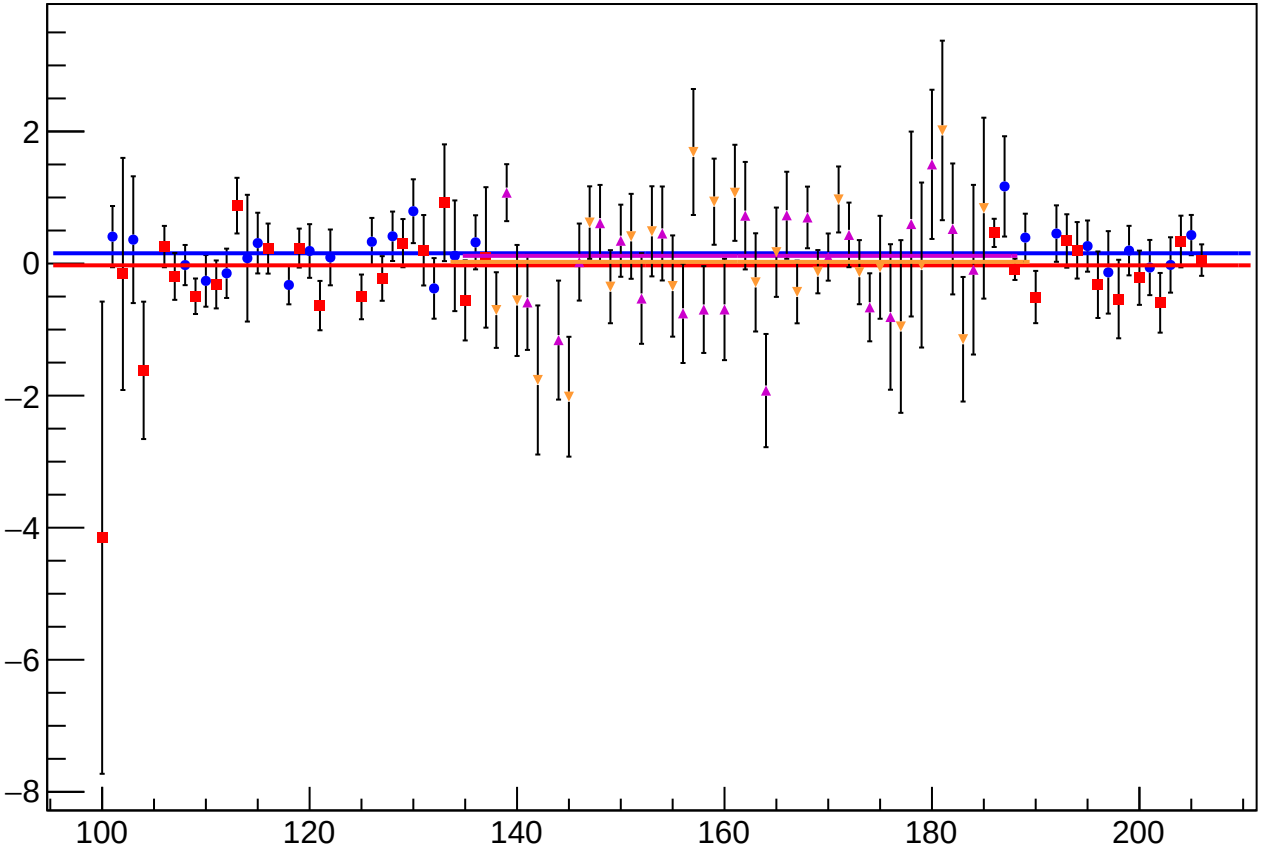
Right: 256.605+/-0.037 χ^2/NDF: 8026143.9/53

In: 360.632+/-0.050 χ^2/NDF:10260435.1/47

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 321.495+/-0.032 χ^2/NDF: 28689237.9/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

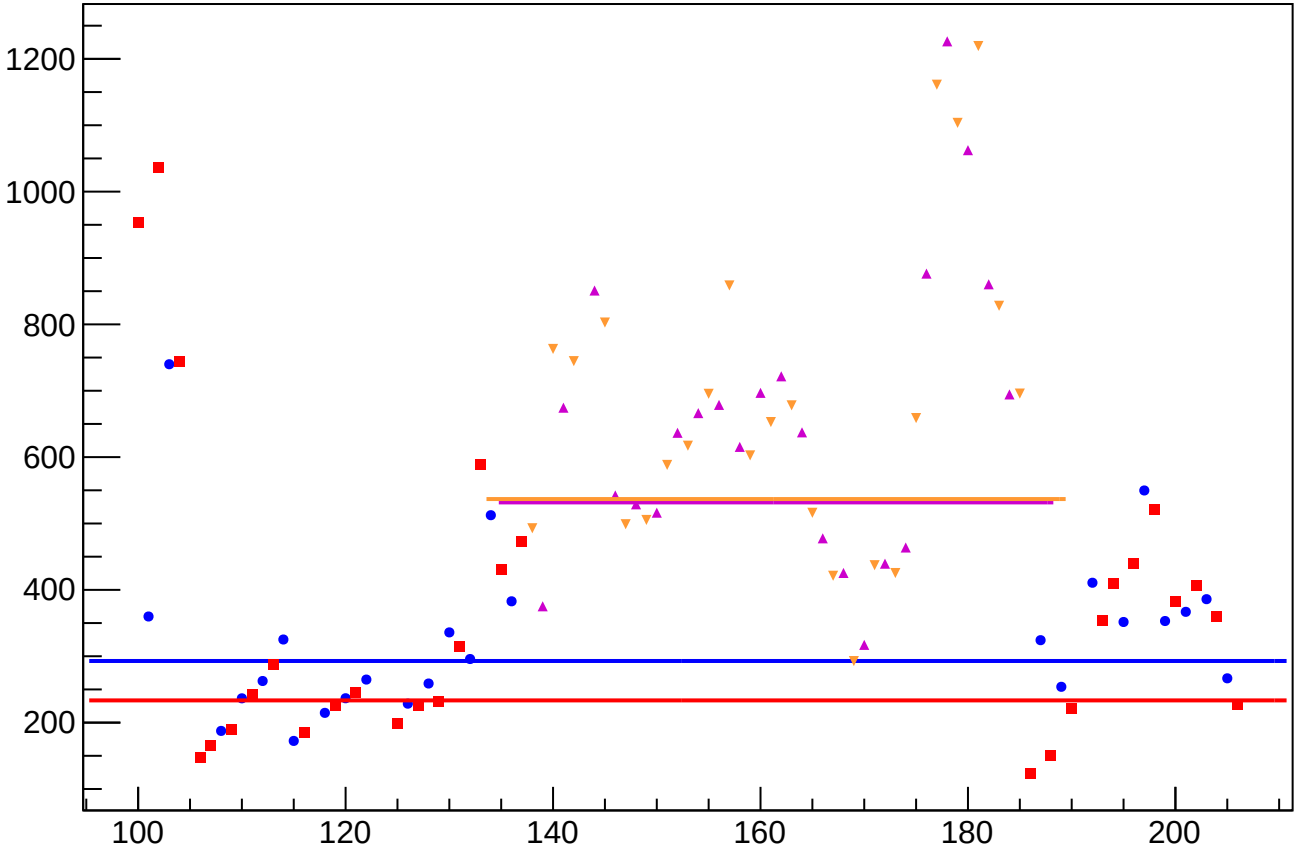
Right: 0.044+/-0.052 χ^2/NDF: 50.5/53

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.050+/-0.046 χ^2/NDF: 107.7/100

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

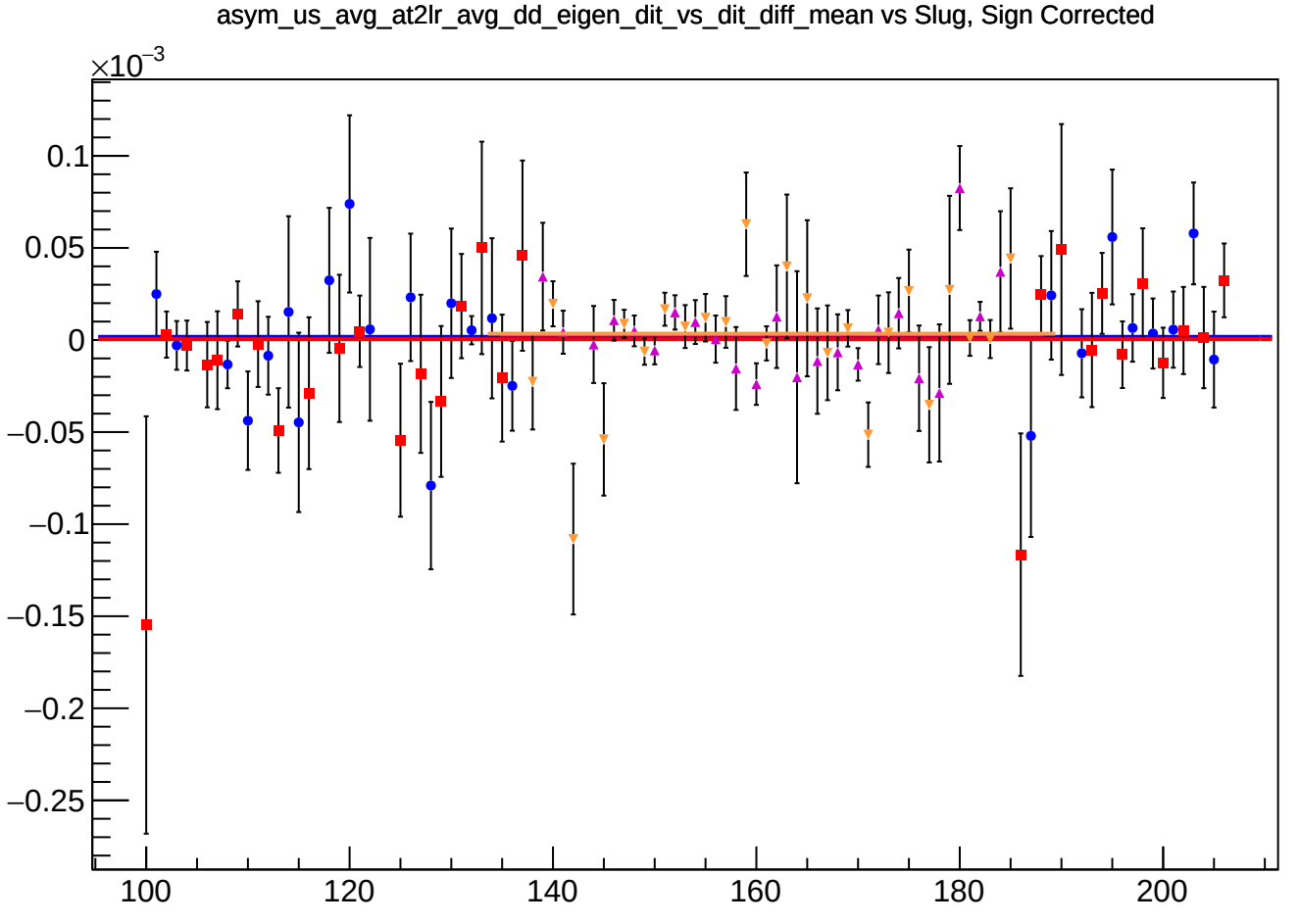
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 256.605+/-0.037 χ^2/NDF: 8026143.9/53

In: 360.632+/-0.050 χ^2/NDF:10260435.1/47

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 321.495+/-0.032 χ^2/NDF: 28689237.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/28

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

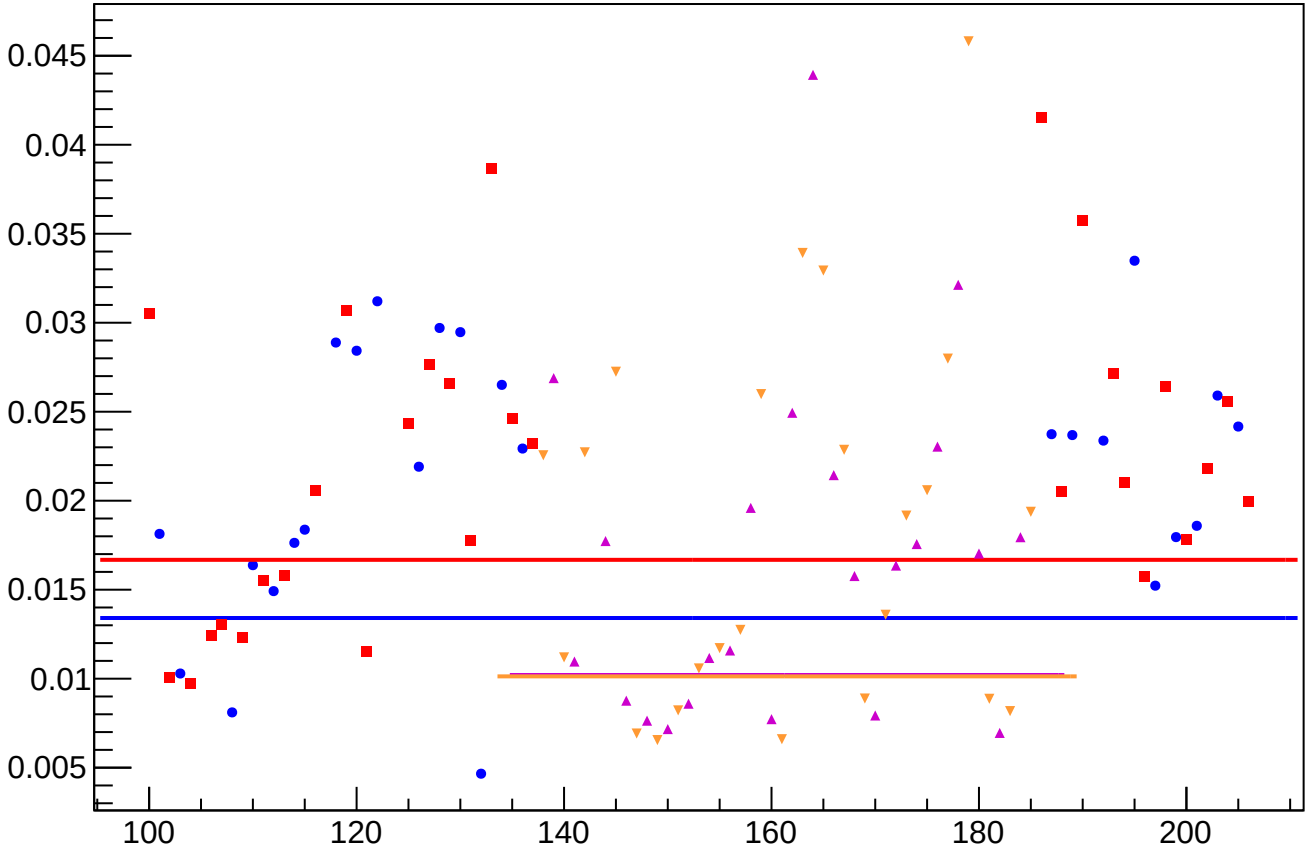
Right: 0.000+/-0.000 χ^2/NDF: 46.8/53

In: 0.000+/-0.000 χ^2/NDF:55.1/47

Out: 0.000+/-0.000 χ^2/NDF:63.2/52

All: 0.000+/-0.000 χ^2/NDF: 118.3/100

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 7340282.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.017+/-0.000 χ^2/NDF: 3890011.0/28

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

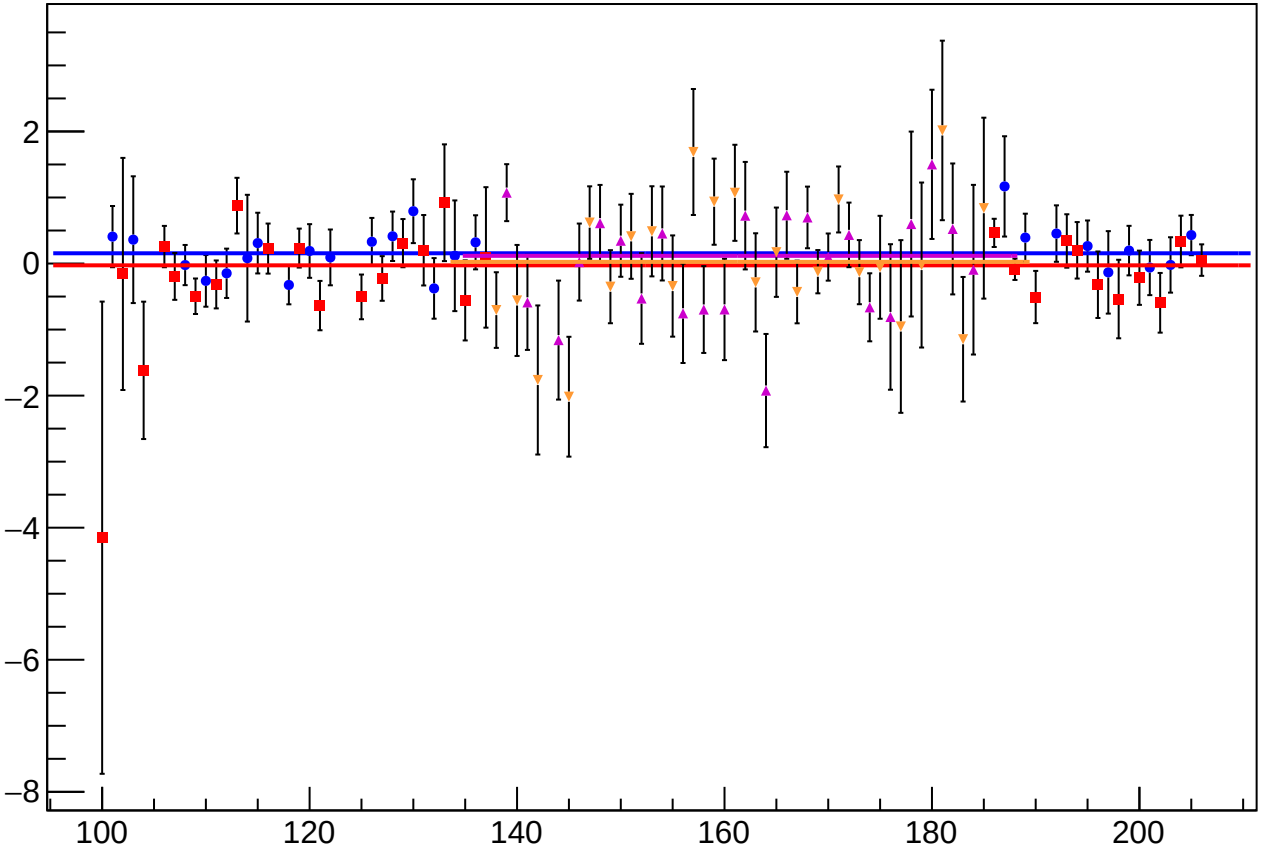
Right: 0.015+/-0.000 χ^2/NDF: 11783432.2/53

In: 0.011+/-0.000 χ^2/NDF:14209559.8/47

Out: 0.012+/-0.000 χ^2/NDF:14761705.2/52

All: 0.012+/-0.000 χ^2/NDF: 29068427.5/100

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

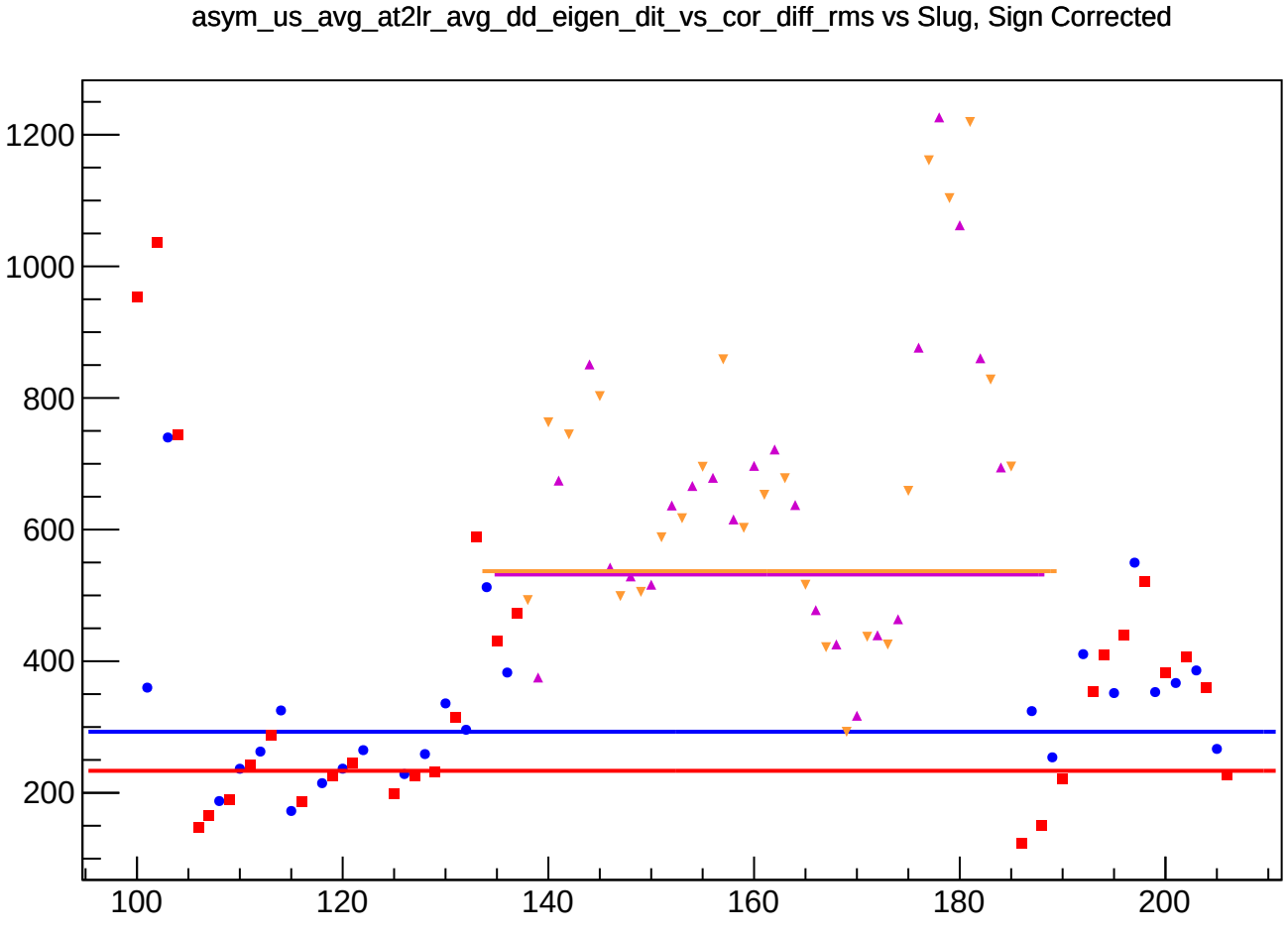
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.044+/-0.052 χ^2/NDF: 50.5/53

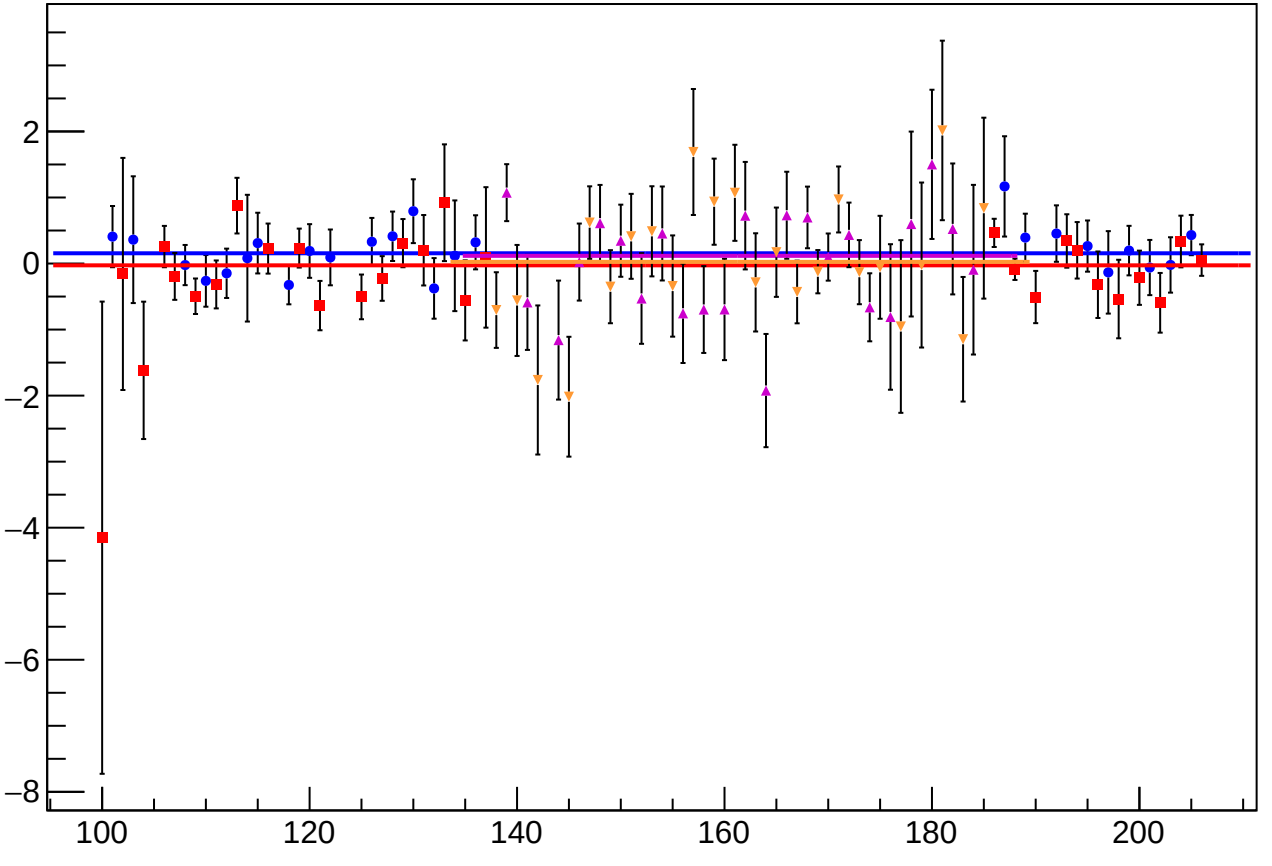
In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.050+/-0.046 χ^2/NDF: 107.7/100


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 292.861+/-0.059 χ²/NDF: 2218938.8/24
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.477+/-0.047 χ²/NDF: 5187609.8/28
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 256.603+/-0.037 χ²/NDF: 8026329.5/53
In: 360.630+/-0.050 χ²/NDF:10260701.3/47
Out: 293.546+/-0.042 χ²/NDF:17374296.0/52
All: 321.493+/-0.032 χ²/NDF: 28689995.3/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

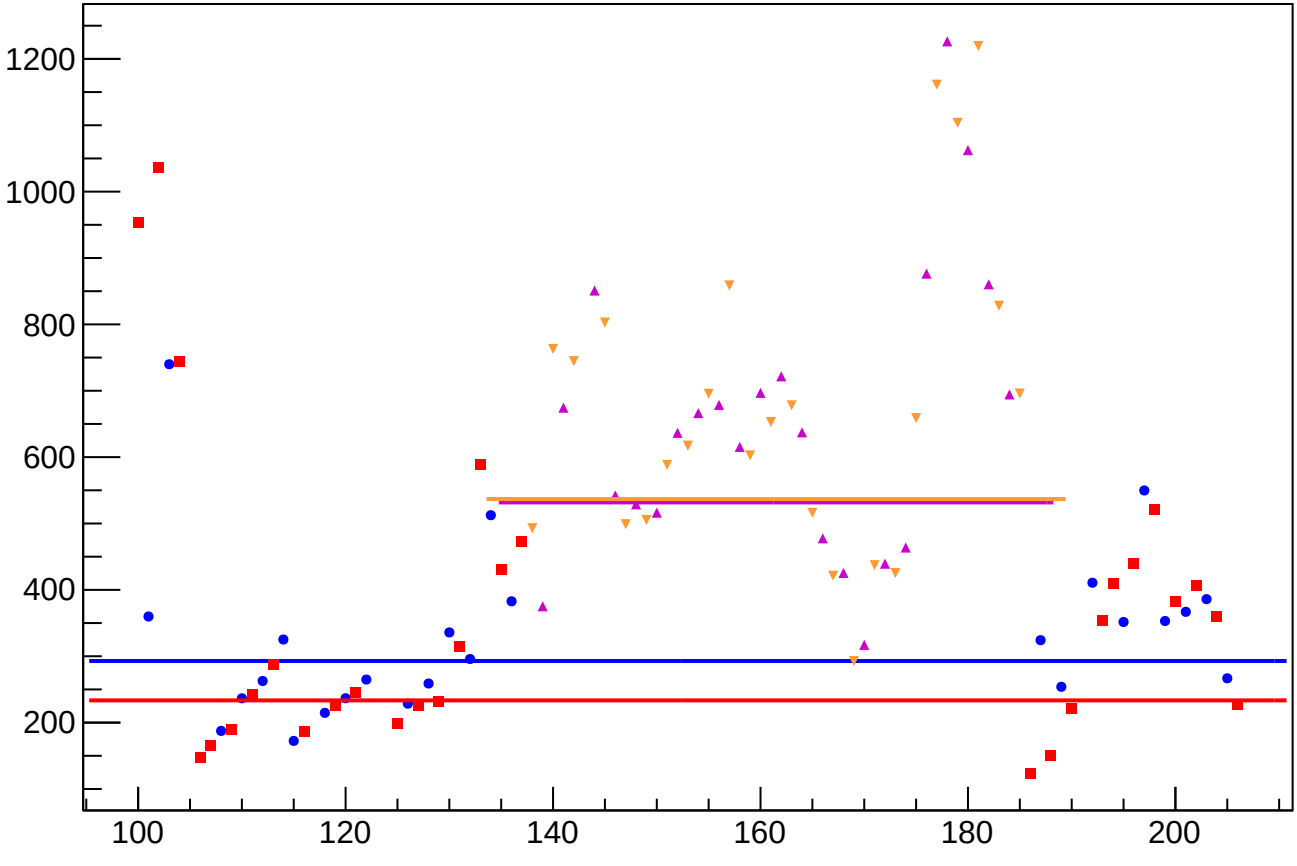
Right: 0.044+/-0.052 χ^2/NDF: 50.5/53

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.050+/-0.046 χ^2/NDF: 107.7/100

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 292.861+/-0.059 χ^2/NDF: 2218938.8/24

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.477+/-0.047 χ^2/NDF: 5187609.8/28

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

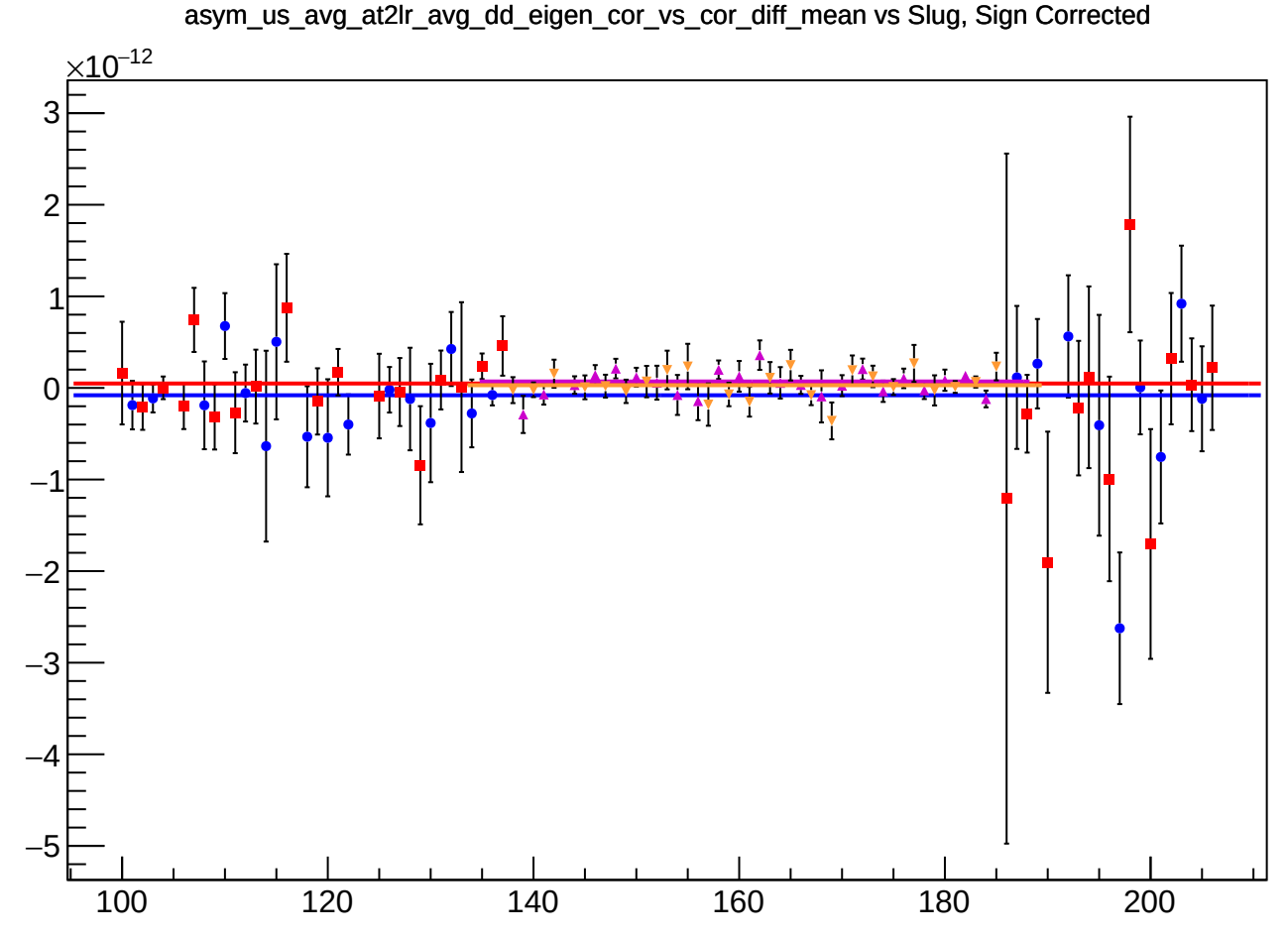
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 256.603+/-0.037 χ^2/NDF: 8026329.5/53

In: 360.630+/-0.050 χ^2/NDF:10260701.3/47

Out: 293.546+/-0.042 χ^2/NDF:17374296.0/52

All: 321.493+/-0.032 χ^2/NDF: 28689995.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

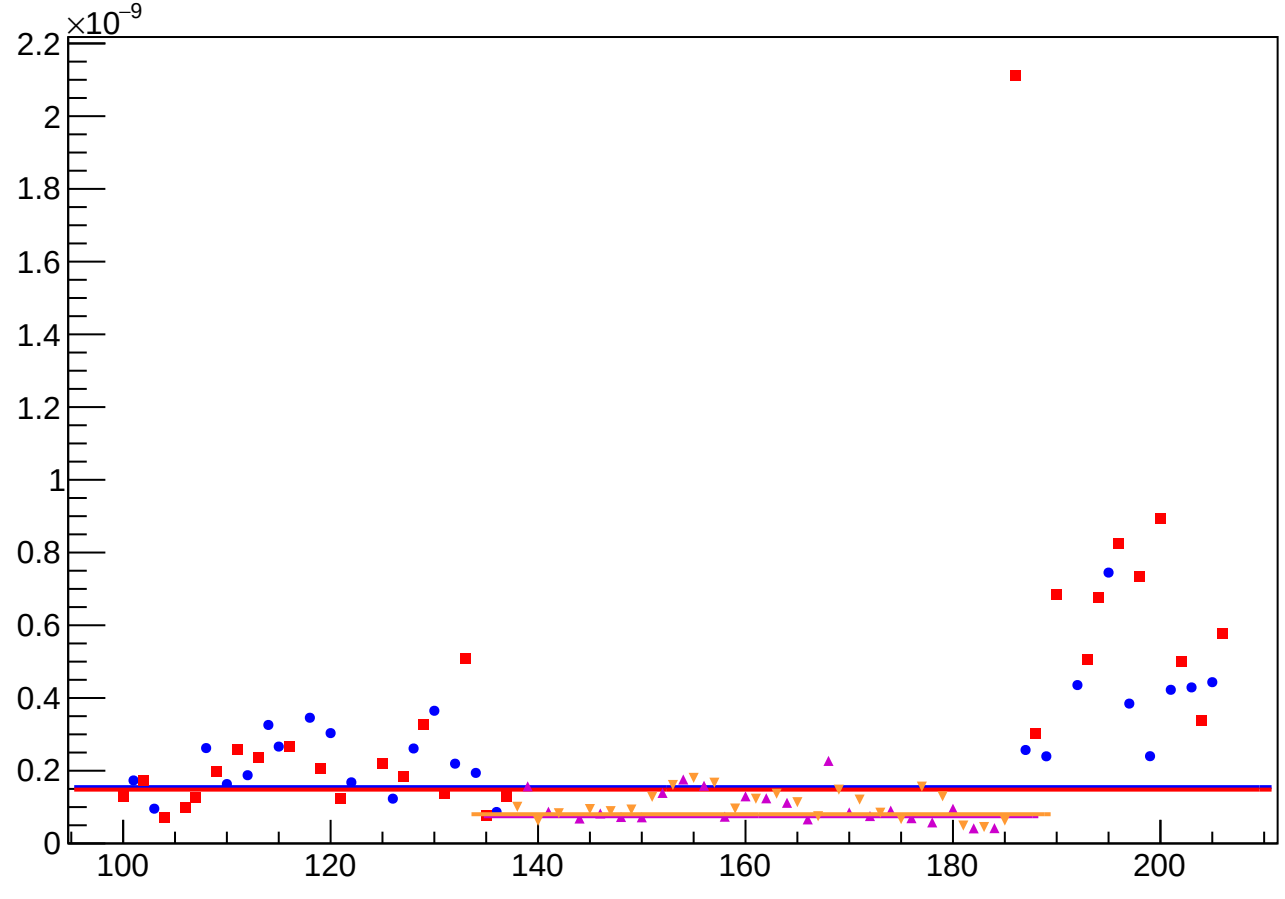
Right: -0.000+/-0.000 χ^2/NDF: 49.9/53

In: 0.000+/-0.000 χ^2/NDF:52.2/47

Out: 0.000+/-0.000 χ^2/NDF:41.5/52

All: 0.000+/-0.000 χ^2/NDF: 94.2/100

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4281518.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7961835.3/28

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

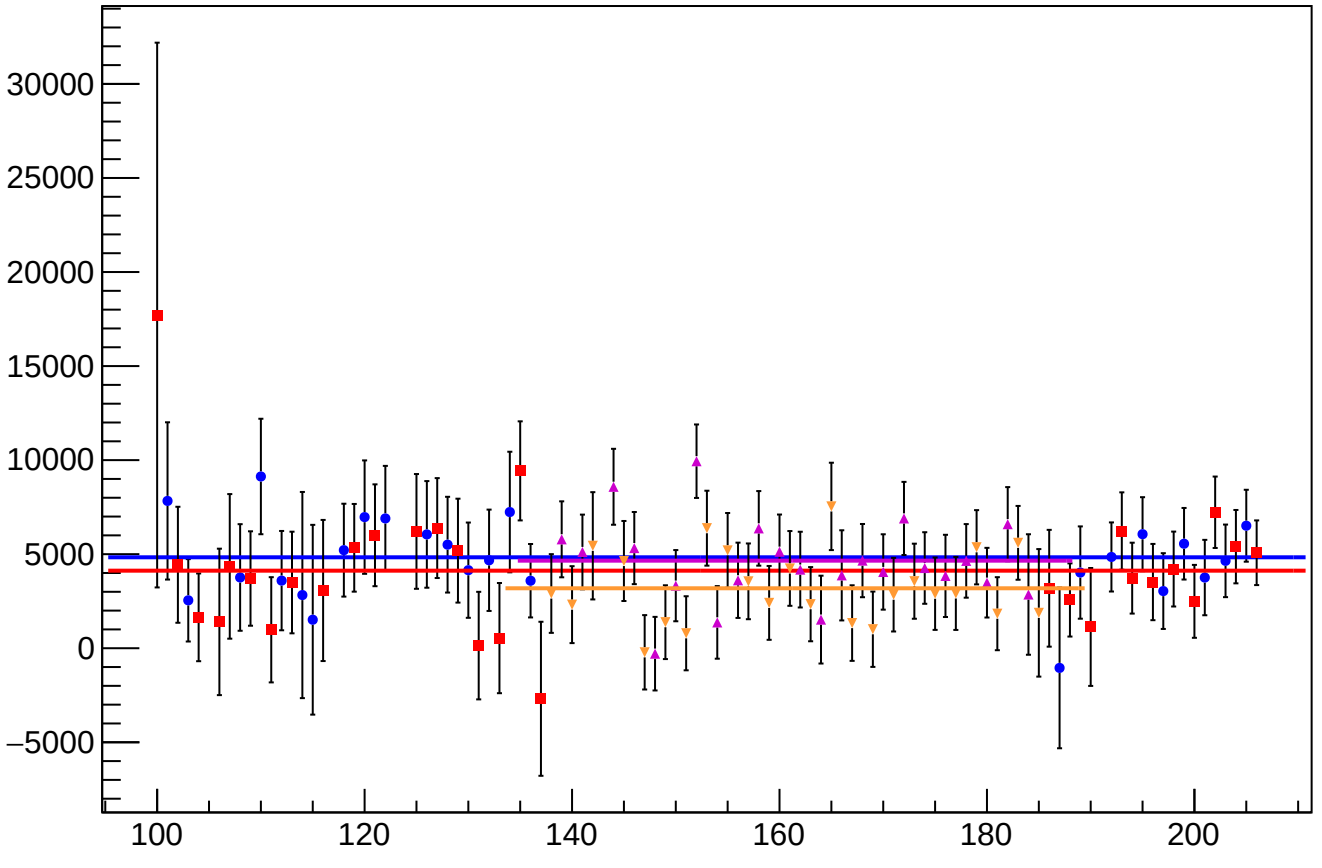
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 12254802.1/53

In: 0.000+/-0.000 χ^2/NDF:10578868.3/47

Out: 0.000+/-0.000 χ^2/NDF:13748968.6/52

All: 0.000+/-0.000 χ^2/NDF: 24392861.6/100



Right In: 4834.267+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.232+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

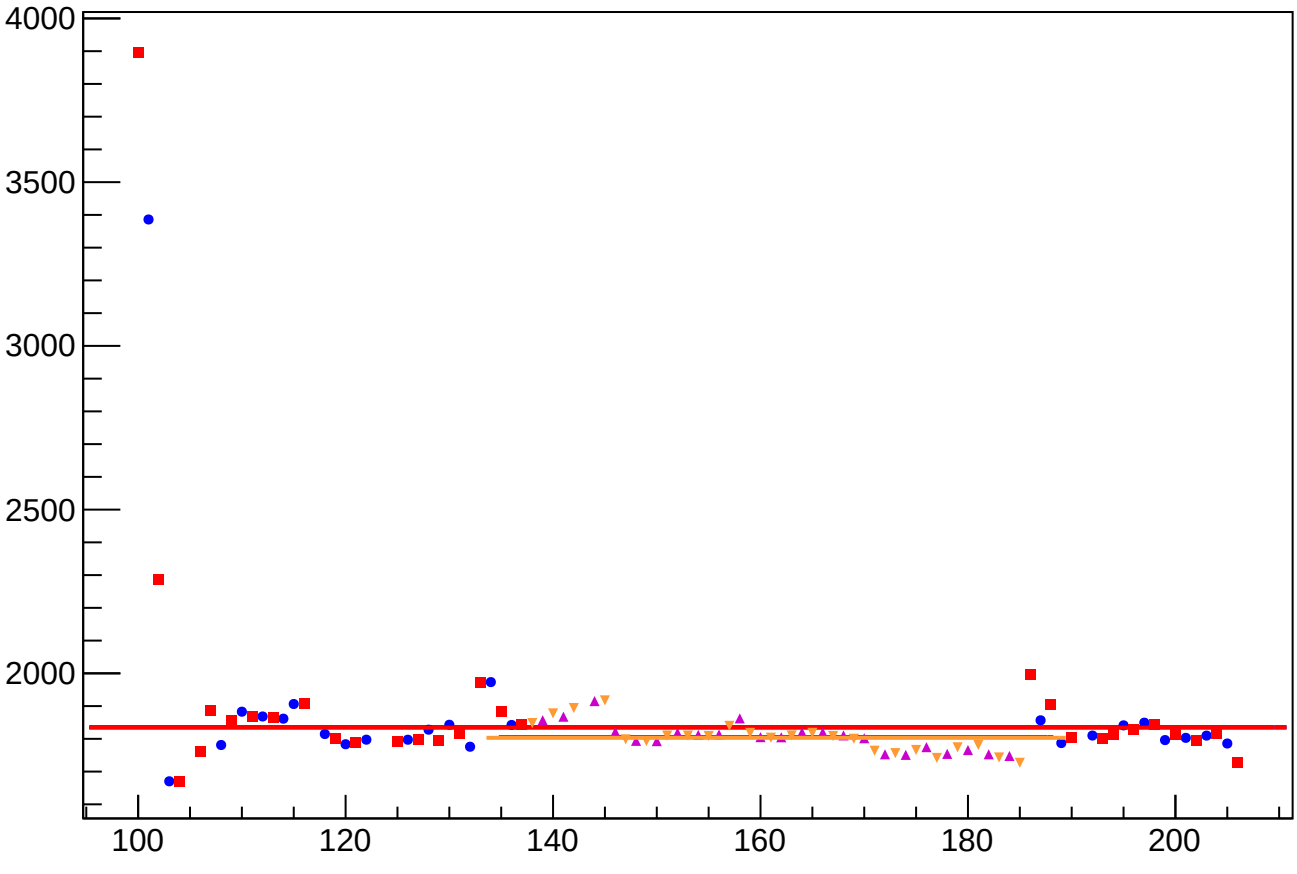
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4456.320+/-336.497 χ^2/NDF: 35.6/53

In: 4731.103+/-320.080 χ^2/NDF:39.1/47

Out: 3609.635+/-310.075 χ^2/NDF:45.4/52

All: 4152.568+/-222.709 χ^2/NDF: 90.8/100



Right In: 1835.531+/-0.348 χ^2/NDF: 299103.2/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.126+/-0.326 χ^2/NDF: 121393.7/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

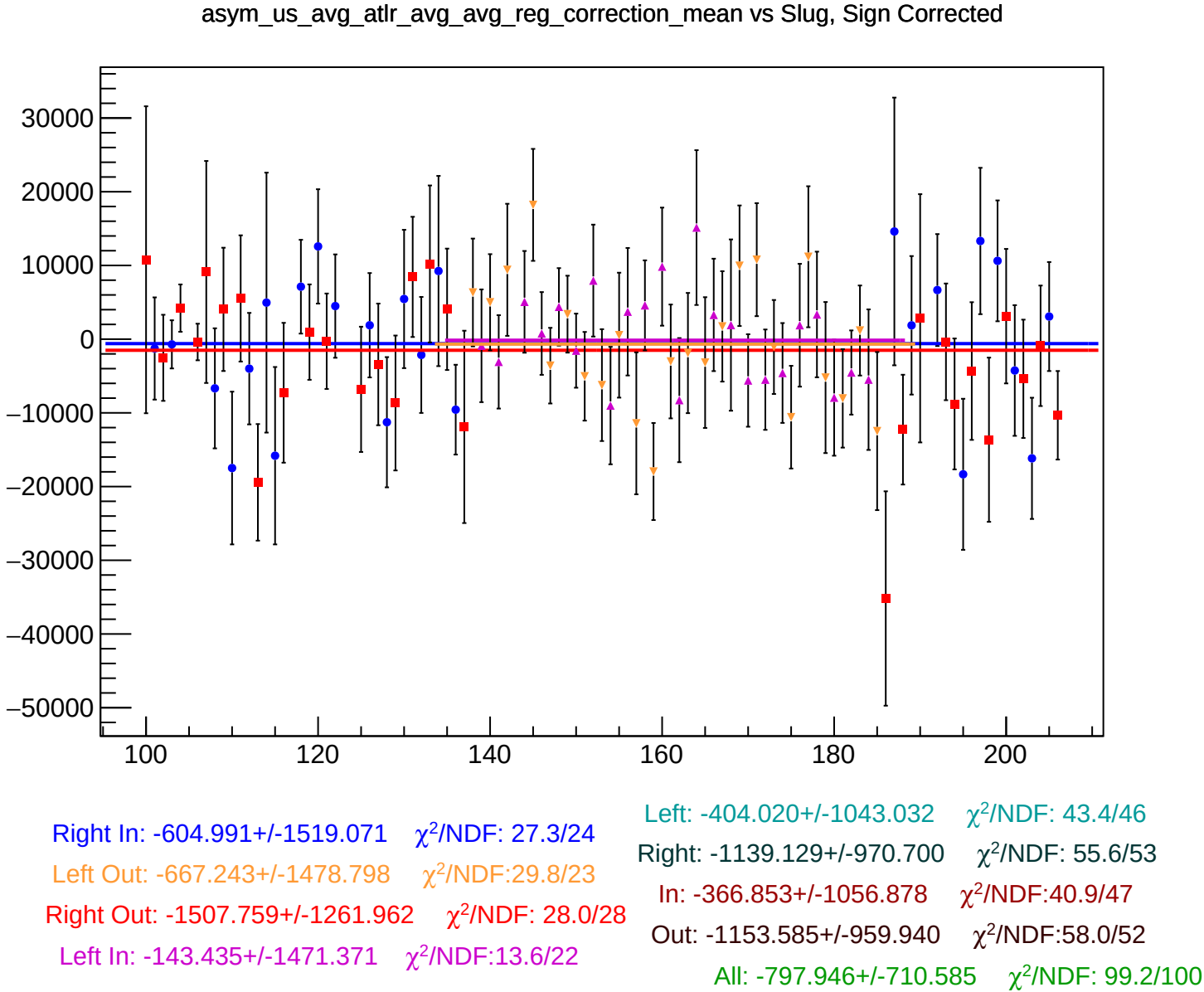
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1834.784+/-0.238 χ^2/NDF: 420505.6/53

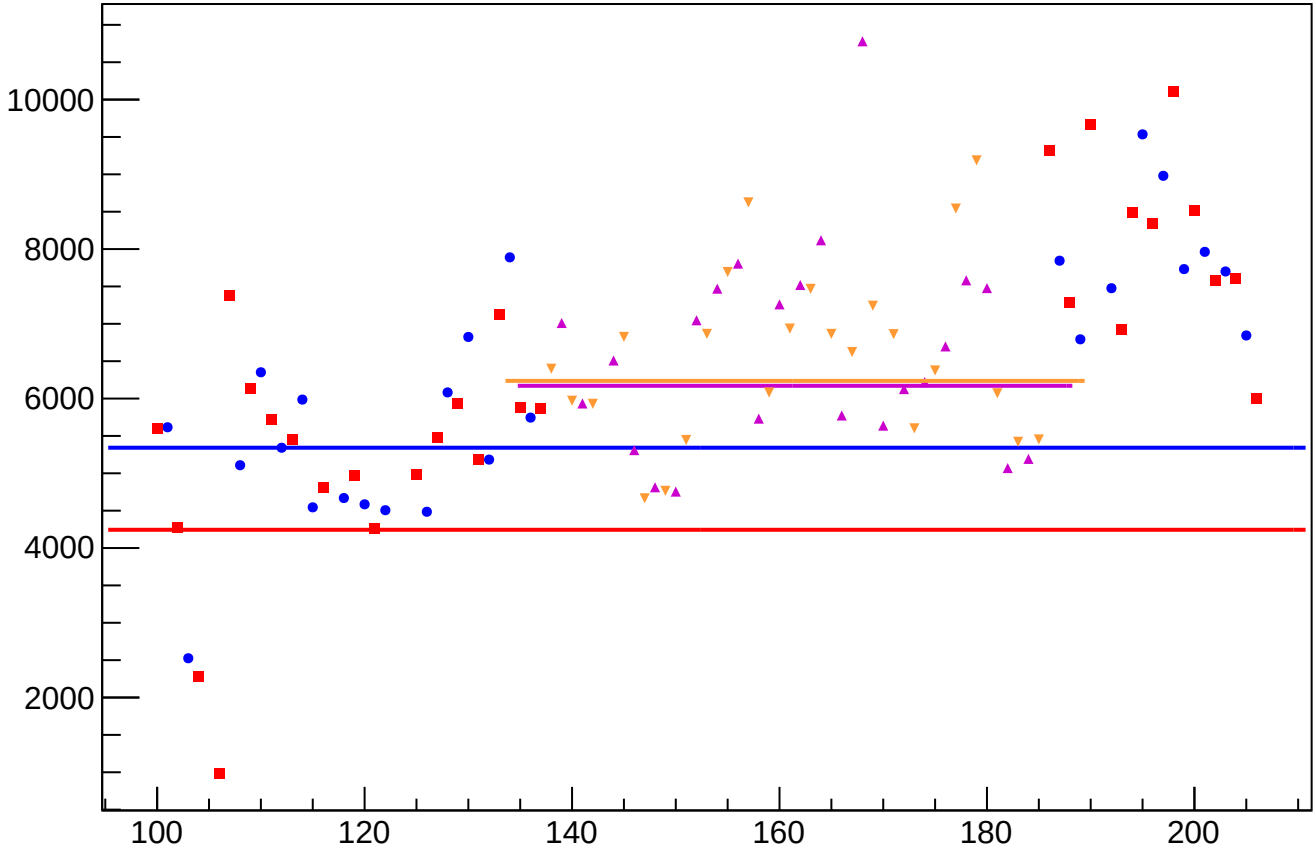
In: 1818.263+/-0.226 χ^2/NDF:322700.5/47

Out: 1817.132+/-0.219 χ^2/NDF:146996.1/52

All: 1817.679+/-0.157 χ^2/NDF: 469709.5/100


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -604.991+/-1519.071 χ²/NDF: 27.3/24
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -1507.759+/-1261.962 χ²/NDF: 28.0/28
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -1139.129+/-970.700 χ²/NDF: 55.6/53
In: -366.853+/-1056.878 χ²/NDF:40.9/47
Out: -1153.585+/-959.940 χ²/NDF:58.0/52
All: -797.946+/-710.585 χ²/NDF: 99.2/100

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5342.311+/-1.074 χ^2/NDF: 3210411.7/24

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4244.329+/-0.892 χ^2/NDF: 8656058.0/28

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

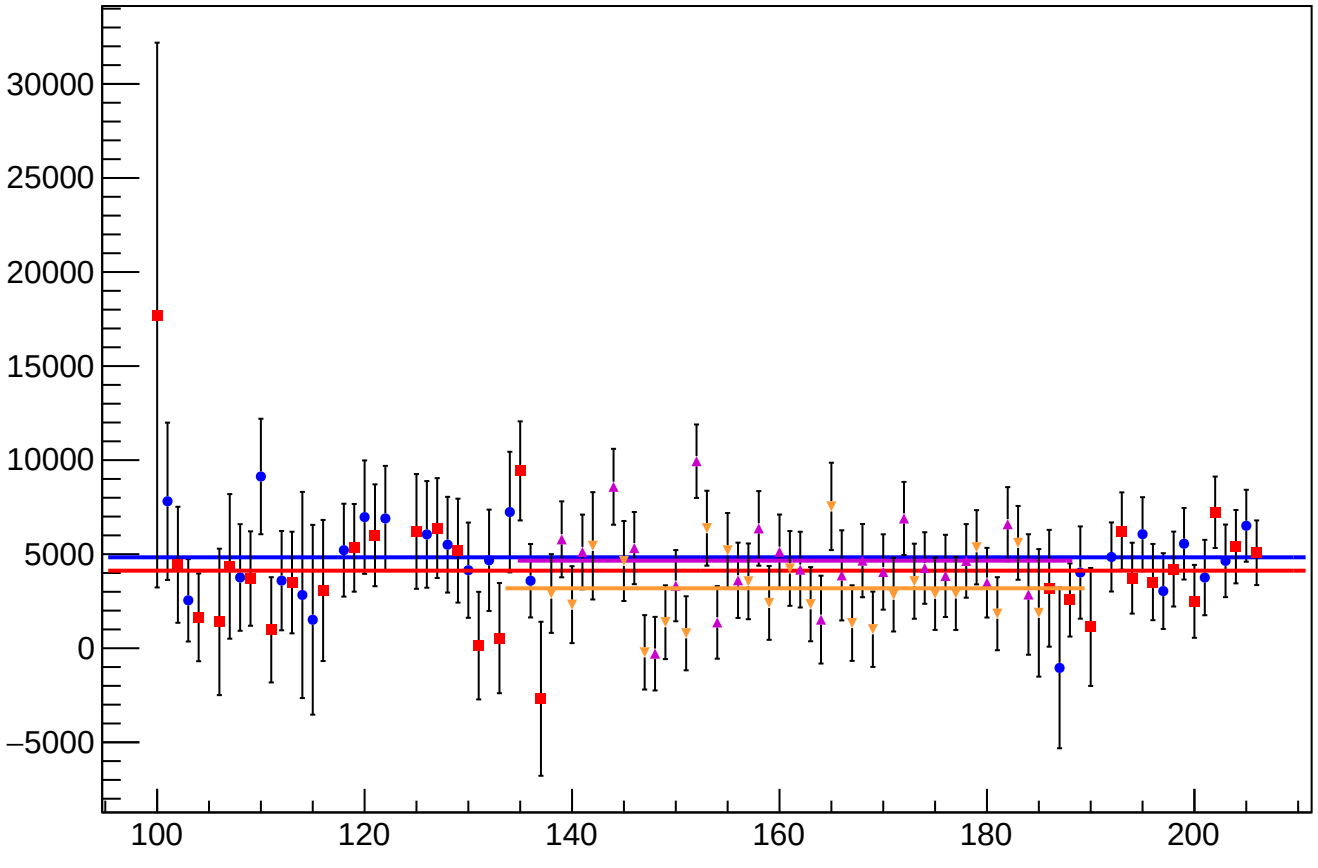
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4692.671+/-0.686 χ^2/NDF: 12484687.8/53

In: 5769.763+/-0.747 χ^2/NDF:4754899.0/47

Out: 5083.841+/-0.679 χ^2/NDF:11824207.0/52

All: 5393.909+/-0.502 χ^2/NDF: 17040714.5/1



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.112+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

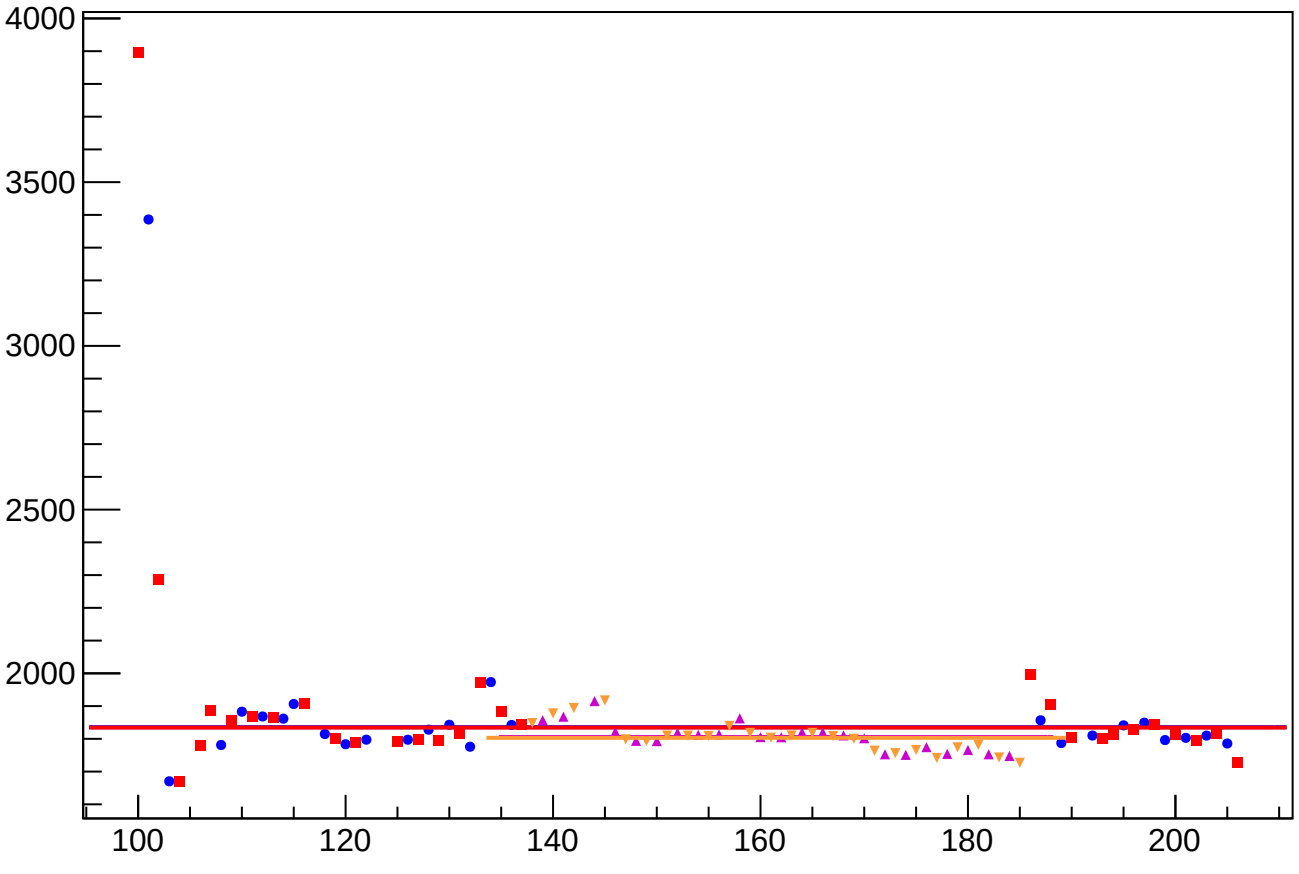
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4456.163+/-336.497 χ^2/NDF: 35.6/53

In: 4731.030+/-320.080 χ^2/NDF:39.0/47

Out: 3609.543+/-310.075 χ^2/NDF:45.4/52

All: 4152.485+/-222.709 χ^2/NDF: 90.7/100



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

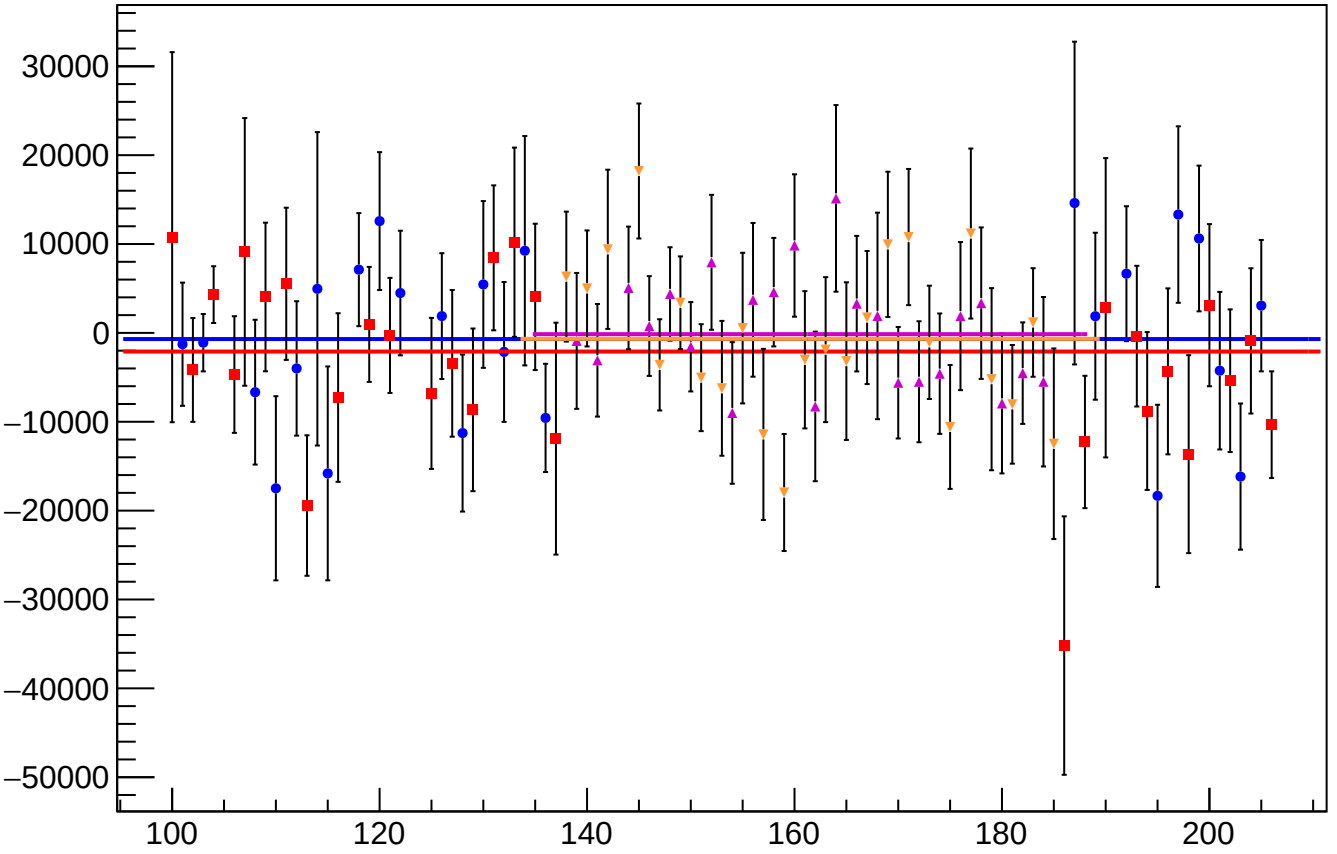
Right: 1834.947+/-0.238 χ^2/NDF: 420147.5/53

In: 1818.263+/-0.226 χ^2/NDF:322702.4/47

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1817.750+/-0.157 χ^2/NDF: 469449.6/100

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -2098.284+/-1429.004 χ^2/NDF: 28.2/28

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

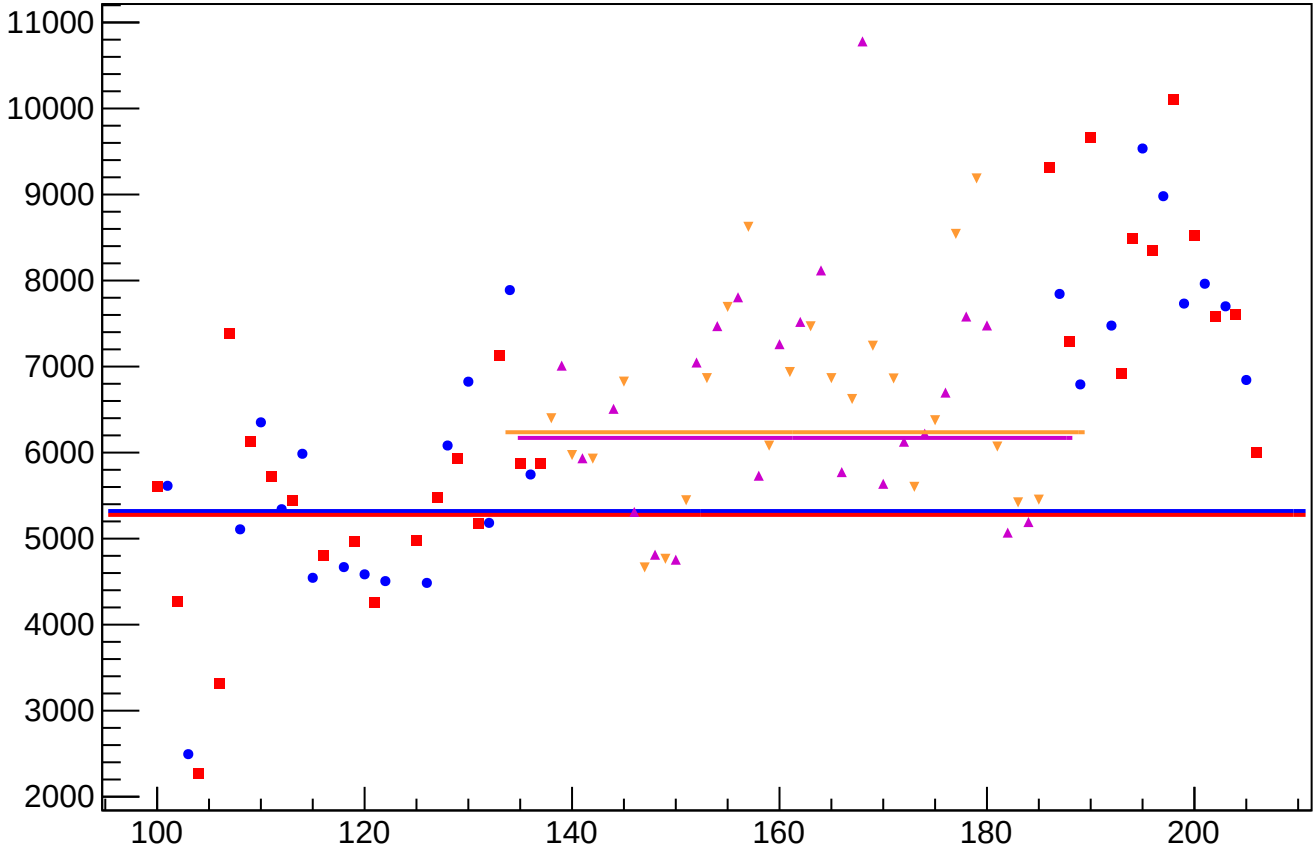
Right: -1436.545+/-1039.544 χ^2/NDF: 56.0/53

In: -410.014+/-1055.517 χ^2/NDF:41.0/47

Out: -1407.263+/-1027.611 χ^2/NDF:58.5/52

All: -921.996+/-736.299 χ^2/NDF: 99.9/100

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

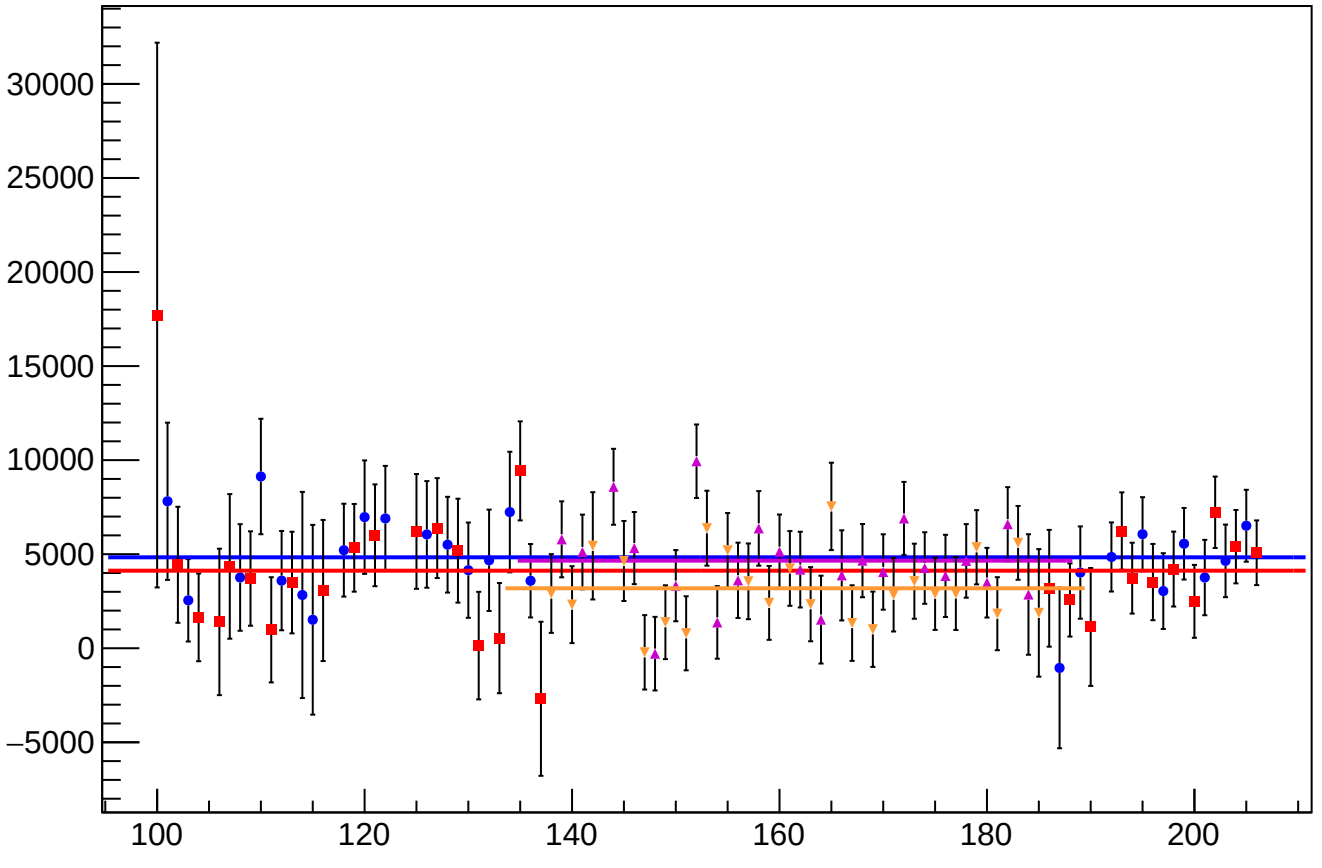
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5297.052+/-0.735 χ^2/NDF: 7491819.1/53

In: 5758.118+/-0.746 χ^2/NDF:4841658.4/47

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5748.781+/-0.521 χ^2/NDF: 10556897.2/1



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.112+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

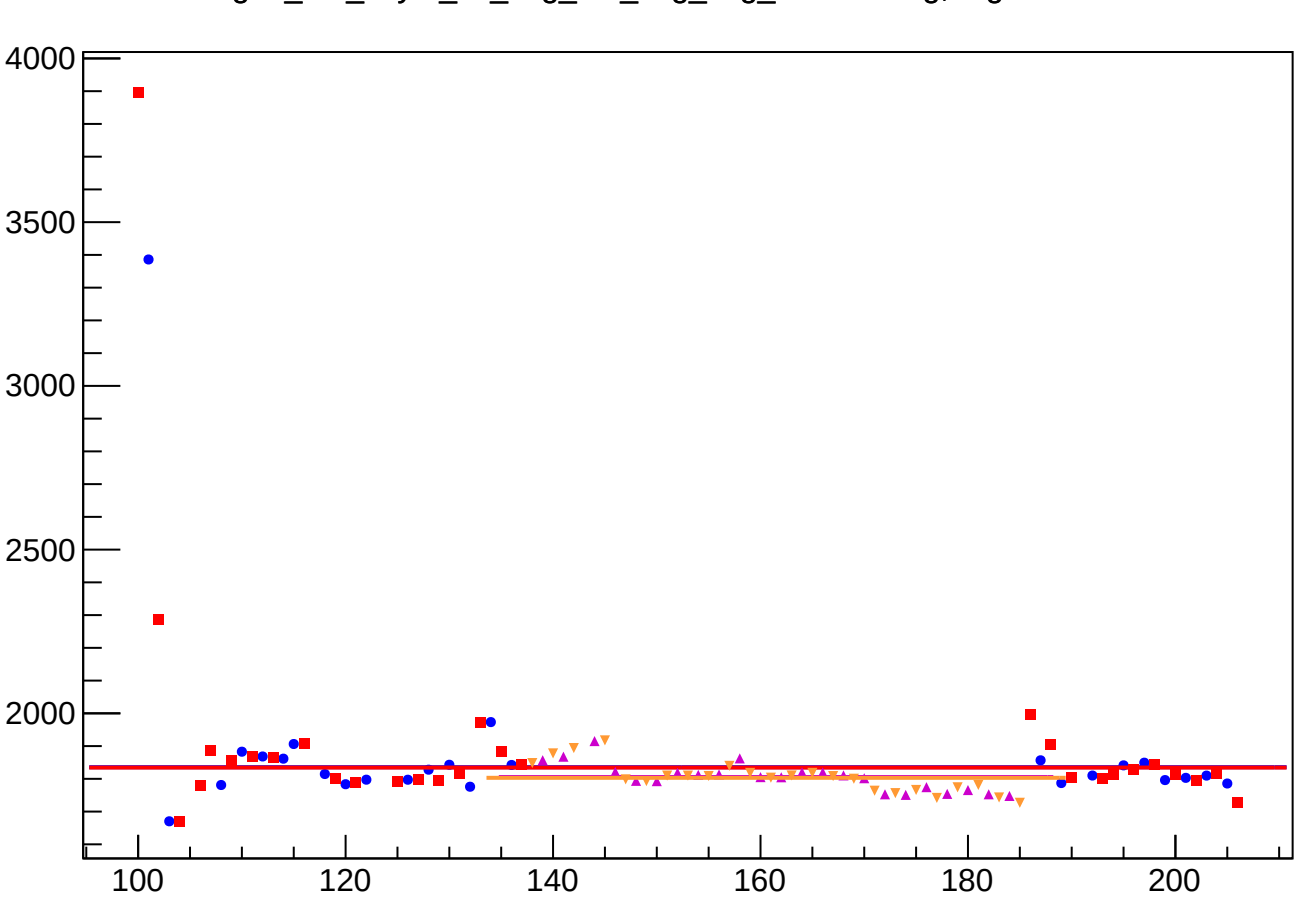
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4456.163+/-336.497 χ^2/NDF: 35.6/53

In: 4731.030+/-320.080 χ^2/NDF:39.0/47

Out: 3609.543+/-310.075 χ^2/NDF:45.4/52

All: 4152.485+/-222.709 χ^2/NDF: 90.7/100



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

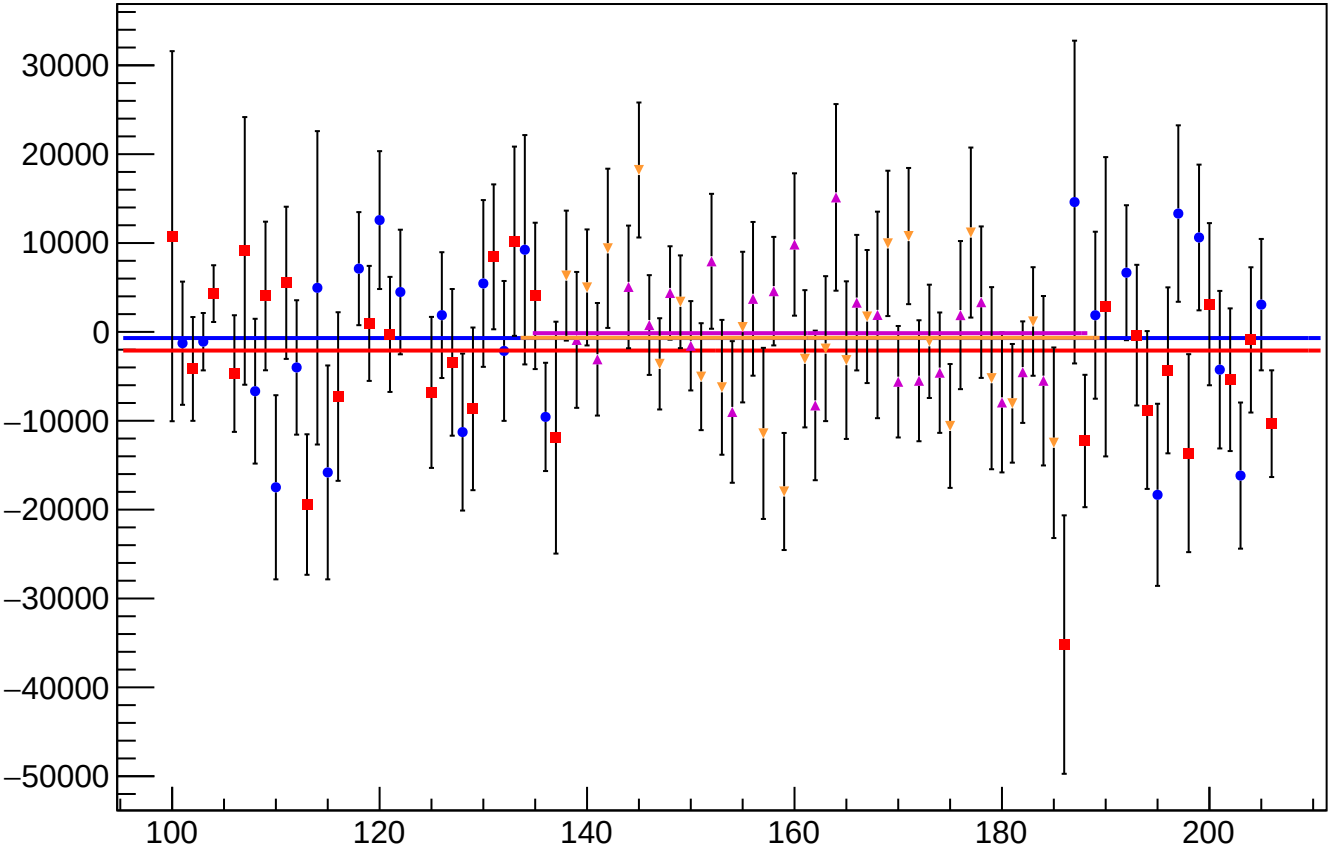
Right: 1834.947+/-0.238 χ^2/NDF: 420147.5/53

In: 1818.263+/-0.226 χ^2/NDF:322702.4/47

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1817.750+/-0.157 χ^2/NDF: 469449.6/100

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -2098.284+/-1429.004 χ^2/NDF: 28.2/28

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

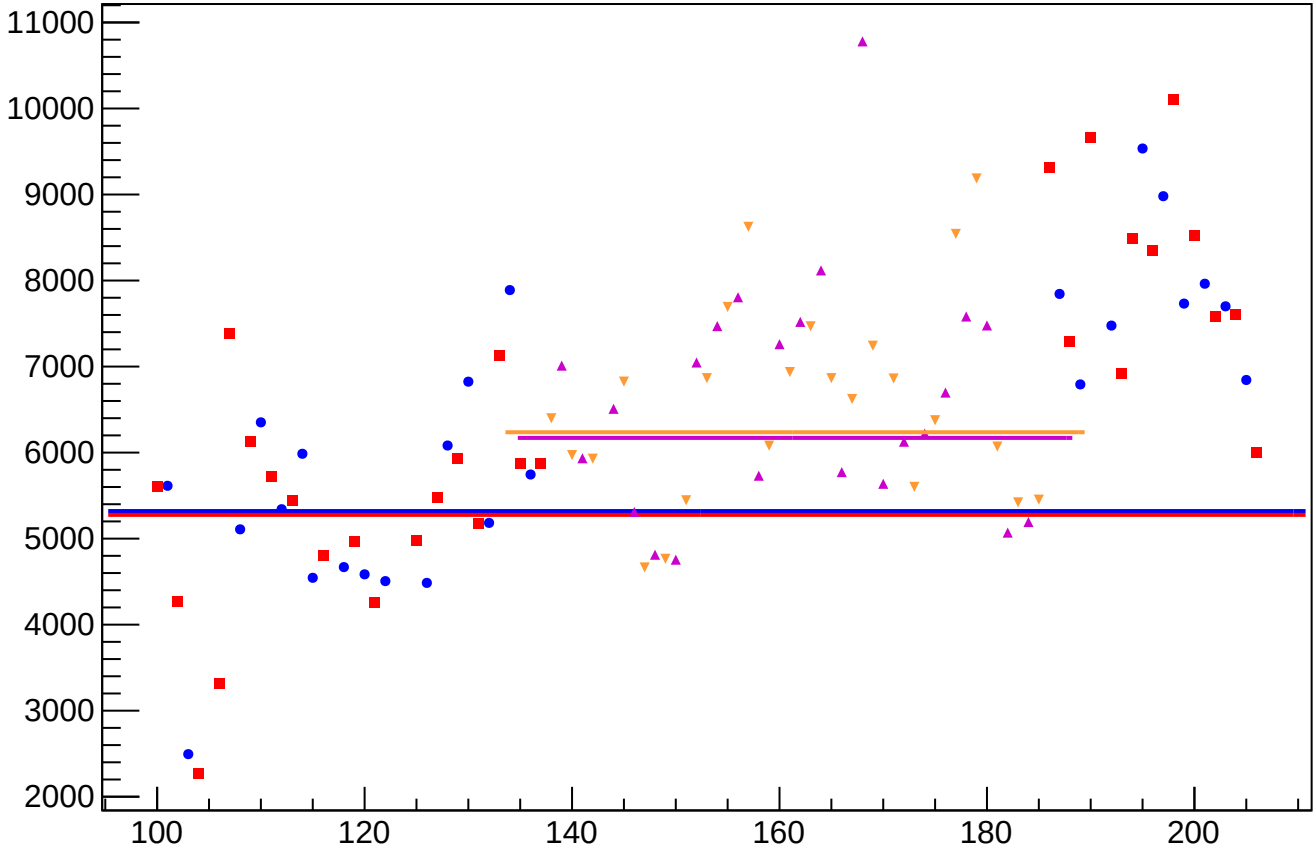
Right: -1436.545+/-1039.544 χ^2/NDF: 56.0/53

In: -410.014+/-1055.517 χ^2/NDF:41.0/47

Out: -1407.263+/-1027.611 χ^2/NDF:58.5/52

All: -921.996+/-736.299 χ^2/NDF: 99.9/100

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

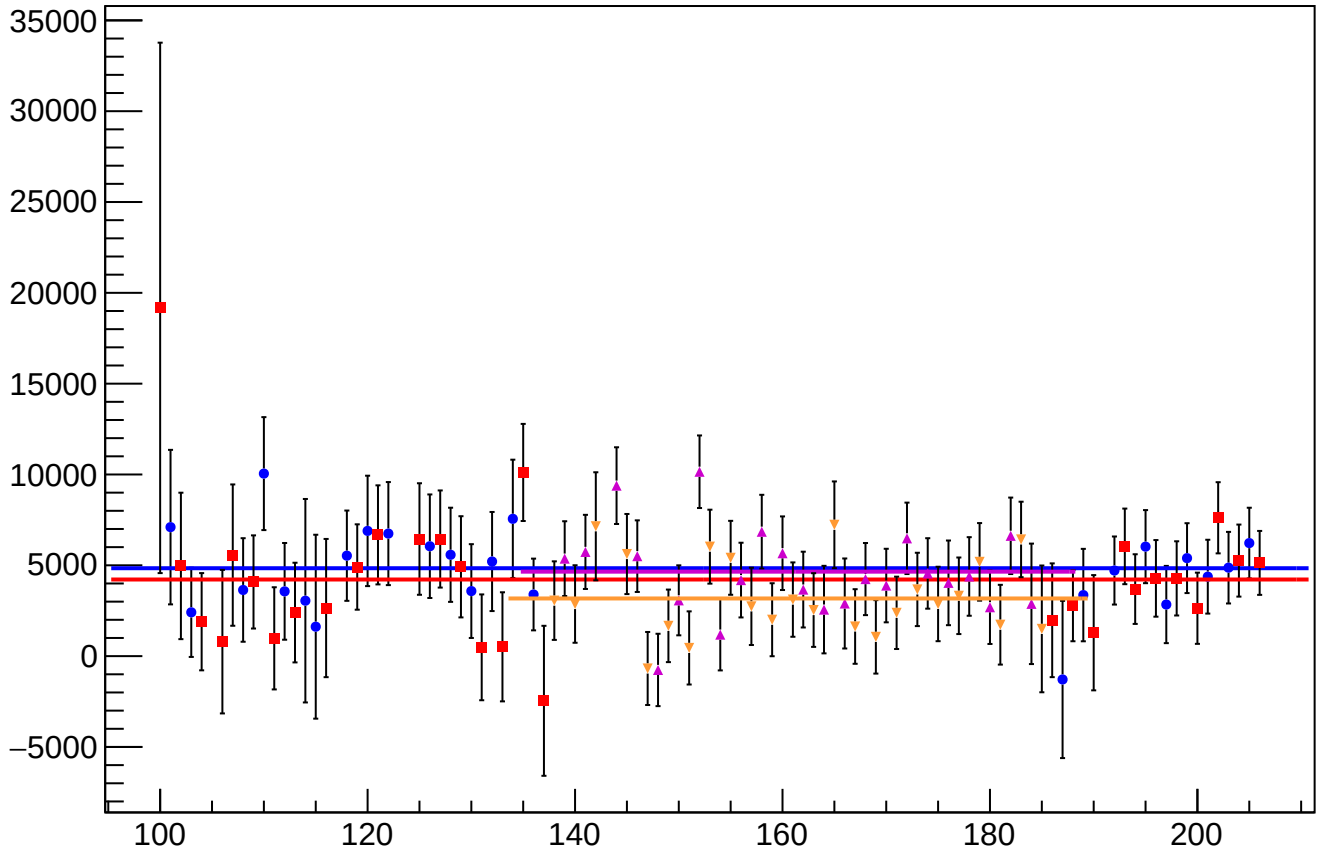
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5297.052+/-0.735 χ^2/NDF: 7491819.1/53

In: 5758.118+/-0.746 χ^2/NDF:4841658.4/47

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5748.781+/-0.521 χ^2/NDF: 10556897.2/1



Right In: 4839.614+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4218.577+/-473.406 χ^2/NDF: 24.4/28

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

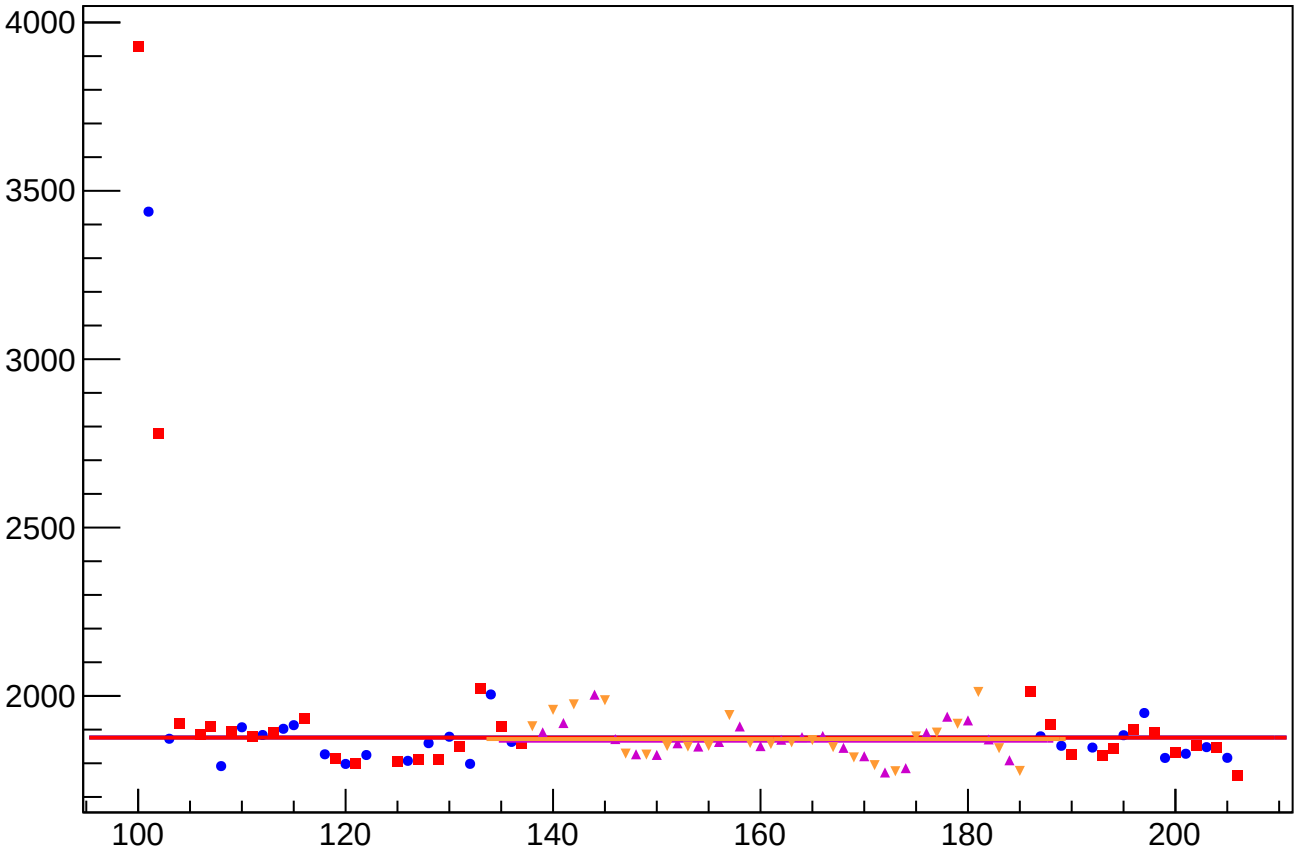
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4510.441+/-344.657 χ^2/NDF: 37.2/53

In: 4731.697+/-329.475 χ^2/NDF:42.6/47

Out: 3652.282+/-320.236 χ^2/NDF:48.6/52

All: 4176.643+/-229.638 χ^2/NDF: 96.7/100



Right In: 1876.668+/-0.355 χ^2/NDF: 289151.4/24

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1876.220+/-0.335 χ^2/NDF: 170460.6/28

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

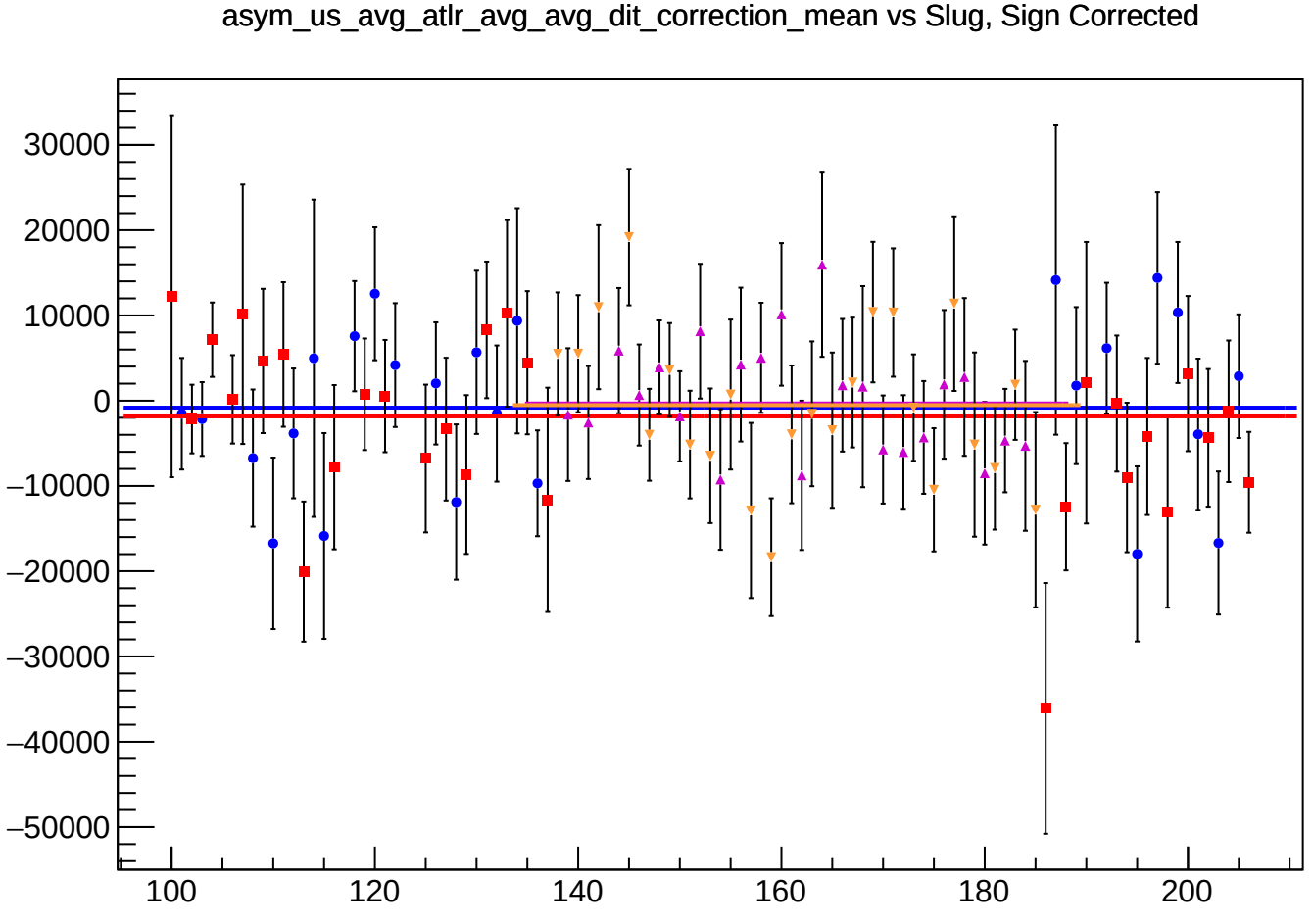
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1876.430+/-0.244 χ^2/NDF: 459612.8/53

In: 1871.197+/-0.233 χ^2/NDF:316813.1/47

Out: 1873.921+/-0.226 χ^2/NDF:207702.5/52

All: 1872.598+/-0.162 χ^2/NDF: 524585.9/100



Right In: -815.805+/-1601.411 χ^2/NDF: 27.2/24

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1843.914+/-1434.270 χ^2/NDF: 28.6/28

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

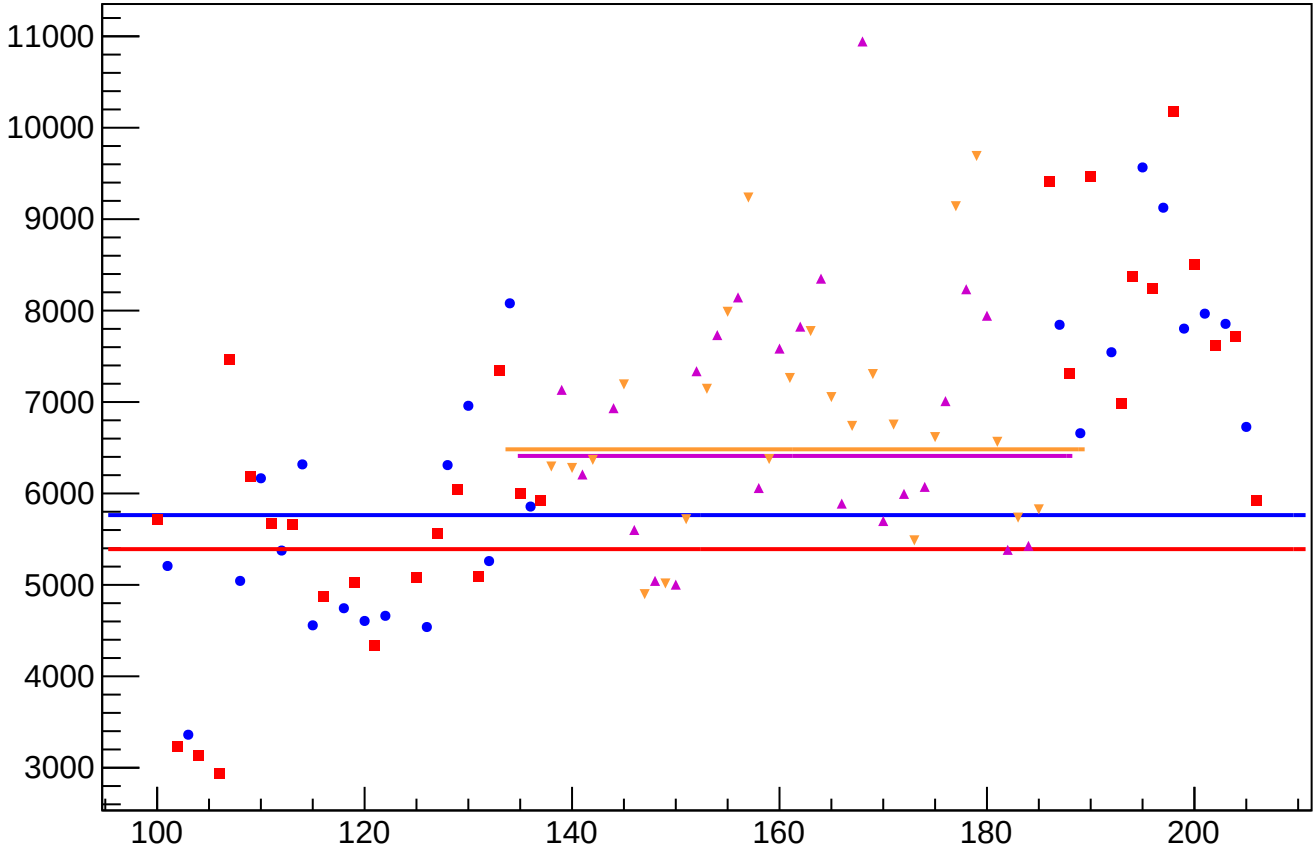
Right: -1386.295+/-1068.404 χ^2/NDF: 56.1/53

In: -558.698+/-1105.499 χ^2/NDF:40.7/47

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -910.876+/-760.774 χ^2/NDF: 99.1/100

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5763.234+/-1.132 χ^2/NDF: 2038195.1/24

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5391.117+/-1.014 χ^2/NDF: 3607200.6/28

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

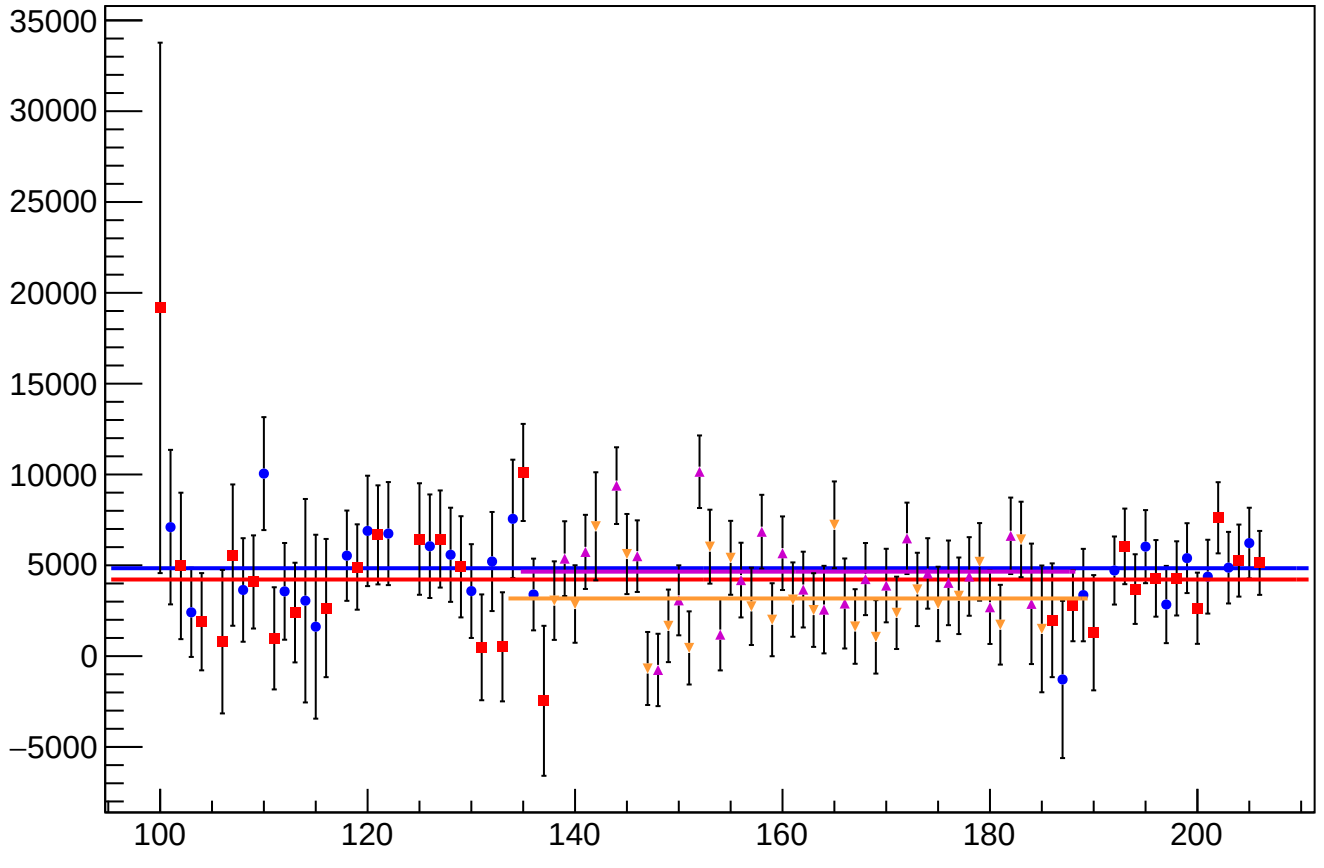
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5556.749+/-0.755 χ^2/NDF: 5705318.3/53

In: 6102.001+/-0.782 χ^2/NDF:3429008.5/47

Out: 5899.303+/-0.741 χ^2/NDF:5221120.8/52

All: 5995.297+/-0.538 χ^2/NDF: 8685524.4/10



Right In: 4839.610+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4218.571+/-473.406 χ^2/NDF: 24.4/28

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

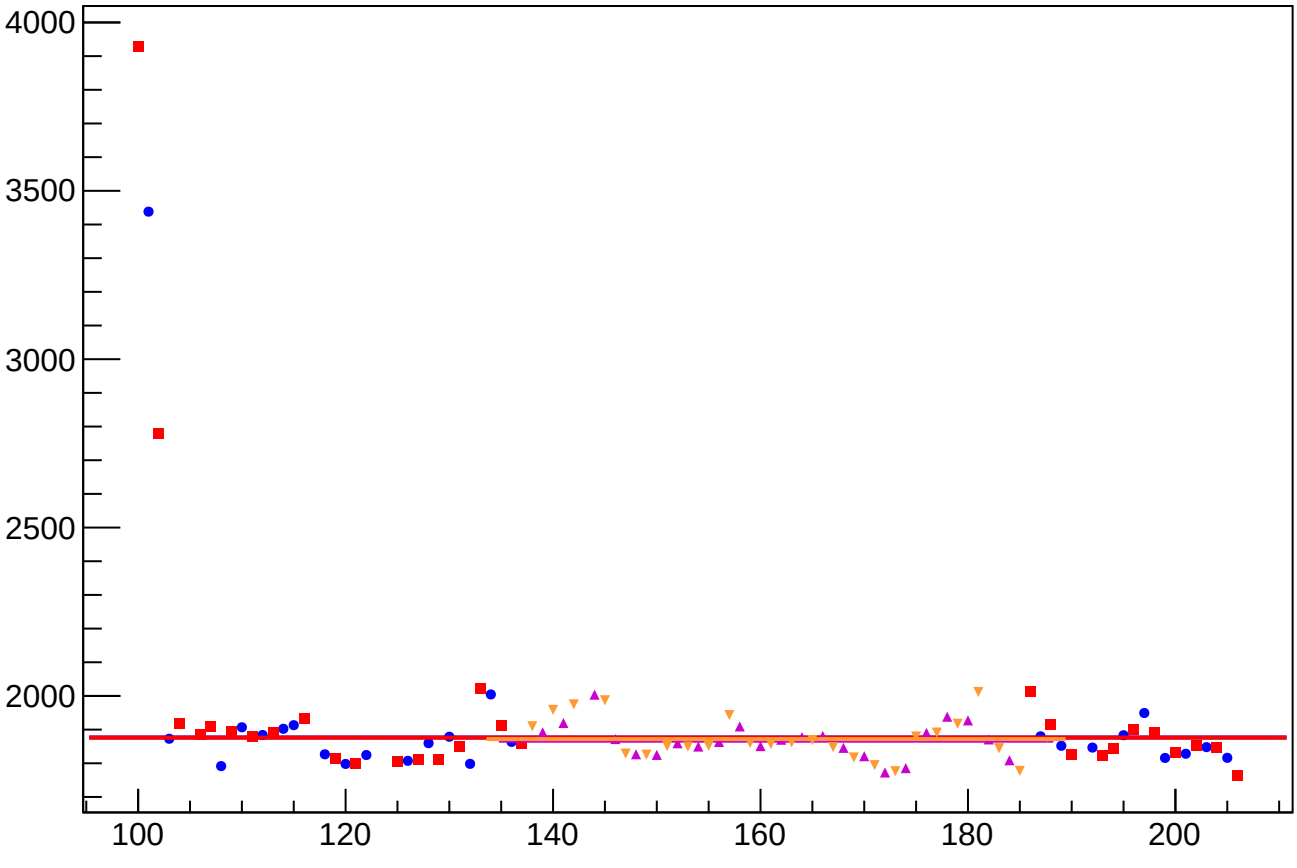
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4510.436+/-344.657 χ^2/NDF: 37.2/53

In: 4731.696+/-329.475 χ^2/NDF:42.6/47

Out: 3652.276+/-320.236 χ^2/NDF:48.6/52

All: 4176.640+/-229.638 χ^2/NDF: 96.7/100



Right In: 1876.667+/-0.355 χ^2/NDF: 289151.6/24

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1876.220+/-0.335 χ^2/NDF: 170459.7/28

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

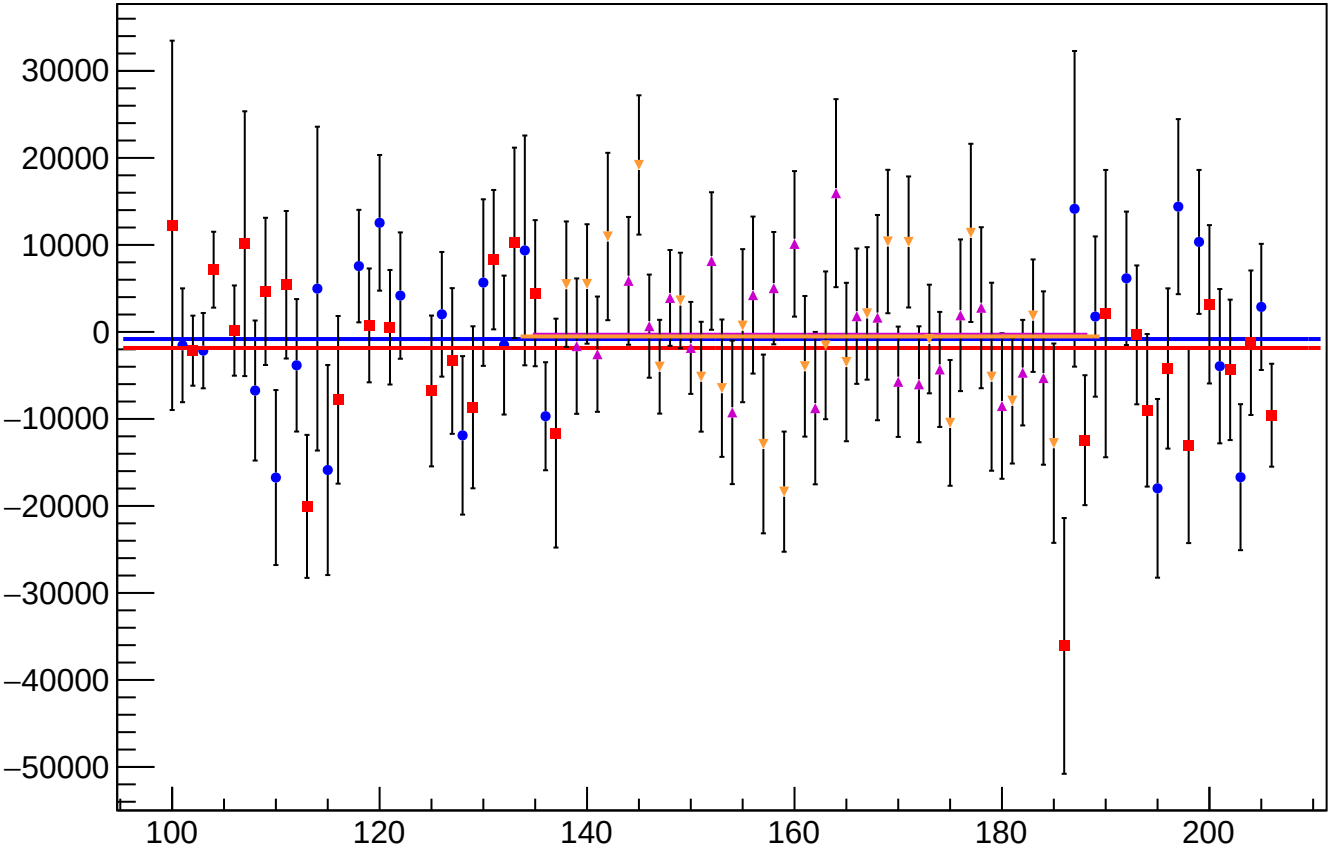
Right: 1876.430+/-0.244 χ^2/NDF: 459612.2/53

In: 1871.198+/-0.233 χ^2/NDF:316814.4/47

Out: 1873.922+/-0.226 χ^2/NDF:207702.6/52

All: 1872.599+/-0.162 χ^2/NDF: 524587.3/100

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -815.800+/-1601.409 χ^2/NDF: 27.2/24

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1843.904+/-1434.268 χ^2/NDF: 28.6/28

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

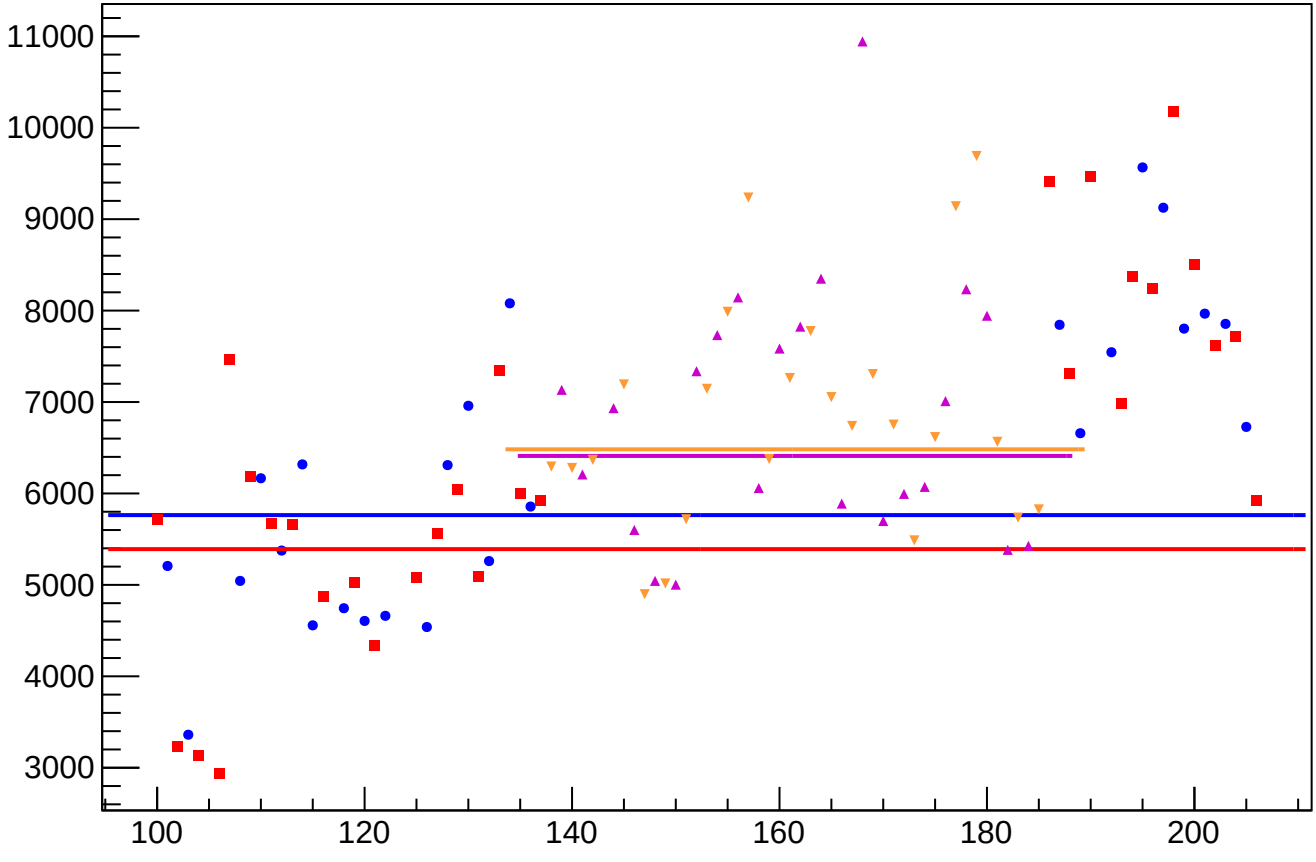
Right: -1386.287+/-1068.402 χ^2/NDF: 56.1/53

In: -558.697+/-1105.500 χ^2/NDF:40.7/47

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -910.876+/-760.774 χ^2/NDF: 99.1/100

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5763.224+/-1.132 χ^2/NDF: 2038219.9/24

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5391.108+/-1.014 χ^2/NDF: 3607226.8/28

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

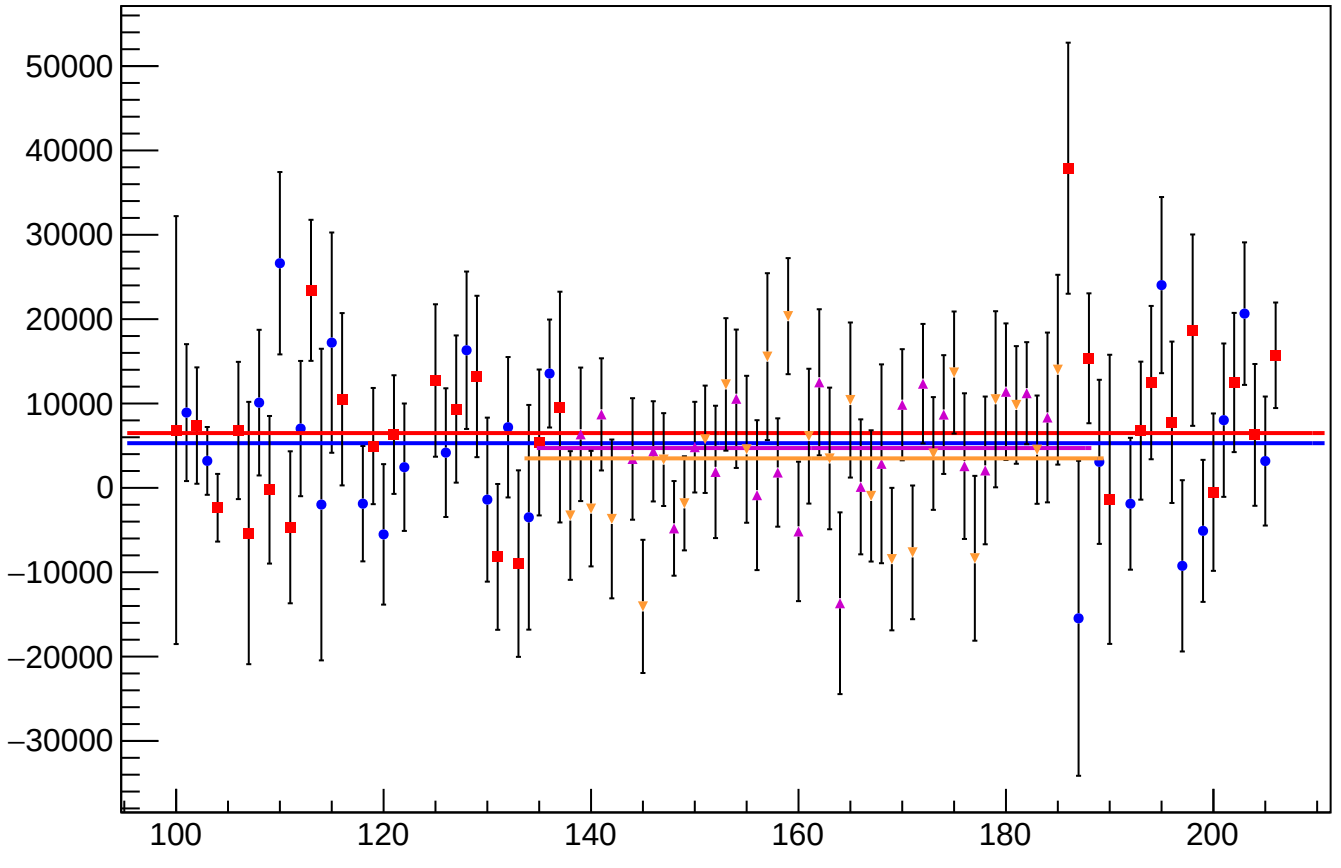
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5556.739+/-0.755 χ^2/NDF: 5705369.4/53

In: 6102.001+/-0.782 χ^2/NDF:3429047.0/47

Out: 5899.301+/-0.741 χ^2/NDF:5221169.5/52

All: 5995.296+/-0.538 χ^2/NDF: 8685612.2/10



Right In: 5296.835+/-1651.754 χ^2/NDF: 25.1/24

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 6495.481+/-1566.474 χ^2/NDF: 28.7/28

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

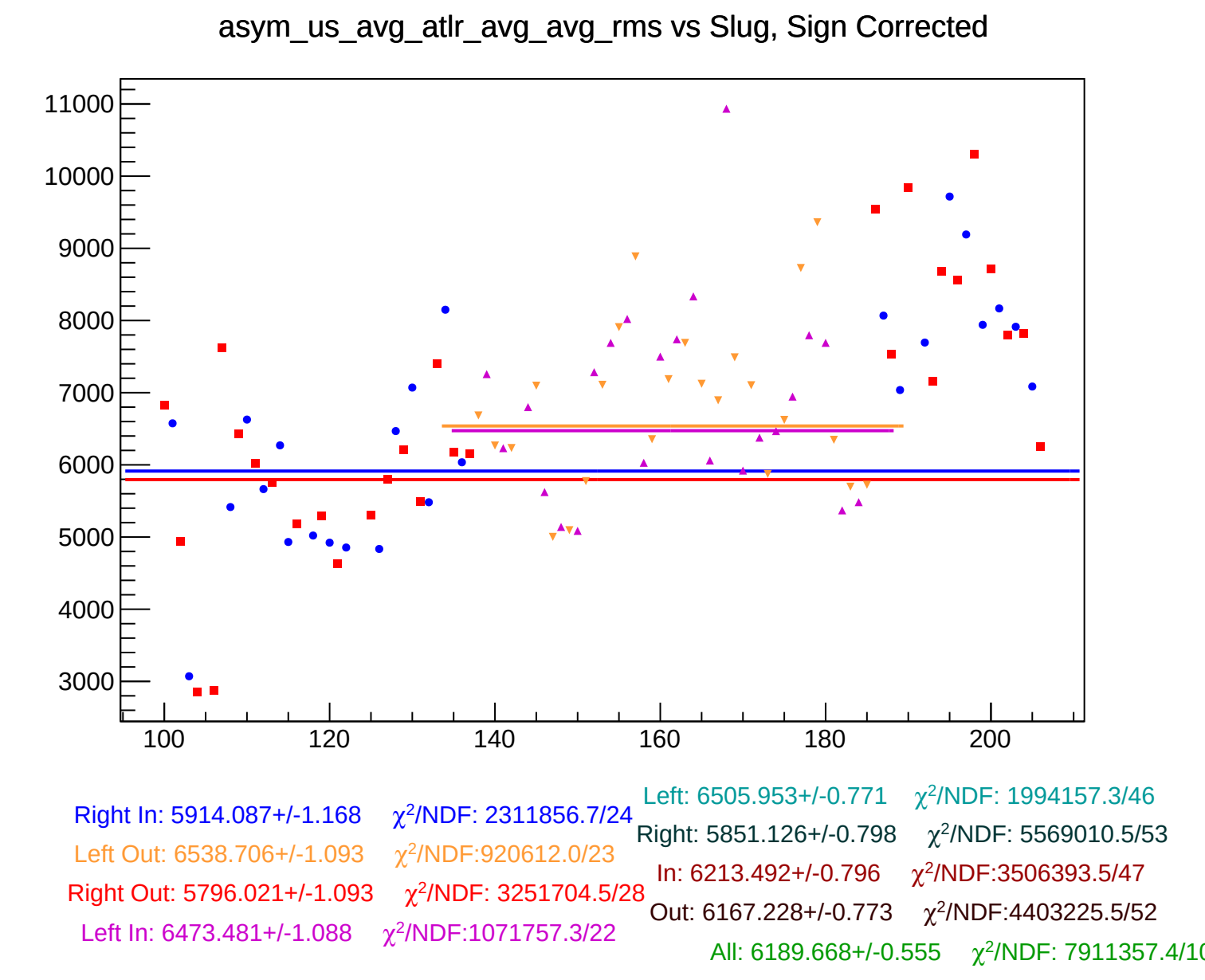
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

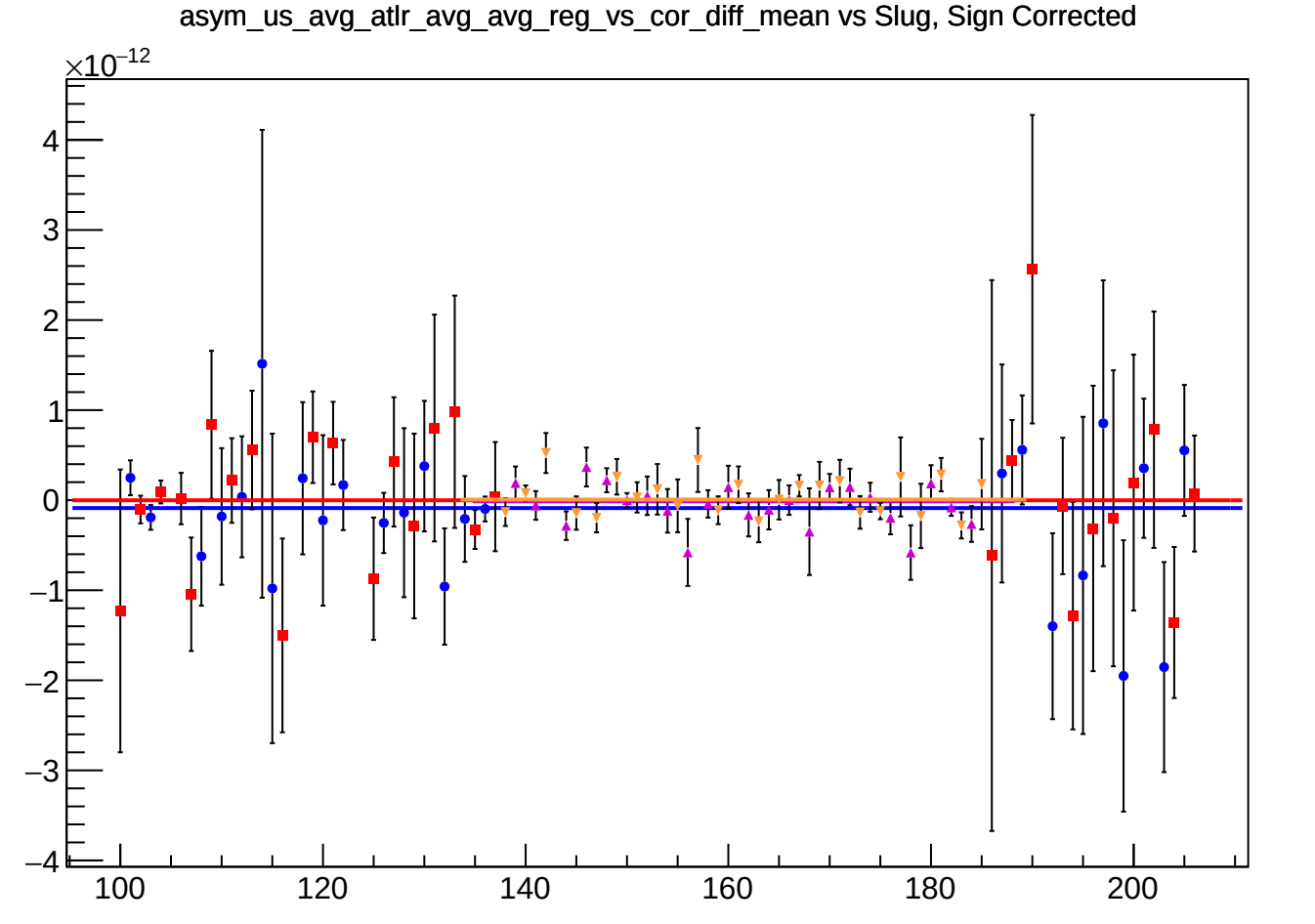
Right: 5927.898+/-1136.617 χ^2/NDF: 54.1/53

In: 4987.843+/-1126.060 χ^2/NDF:39.4/47

Out: 4976.443+/-1100.296 χ^2/NDF:58.1/52

All: 4982.011+/-786.978 χ^2/NDF: 97.5/100


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5914.087+/-1.168 χ²/NDF: 2311856.7/24
Left Out: 6538.706+/-1.093 χ²/NDF:920612.0/23
Right Out: 5796.021+/-1.093 χ²/NDF: 3251704.5/28
Left In: 6473.481+/-1.088 χ²/NDF:1071757.3/22
Left: 6505.953+/-0.771 χ²/NDF: 1994157.3/46
Right: 5851.126+/-0.798 χ²/NDF: 5569010.5/53
In: 6213.492+/-0.796 χ²/NDF:3506393.5/47
Out: 6167.228+/-0.773 χ²/NDF:4403225.5/52
All: 6189.668+/-0.555 χ²/NDF: 7911357.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

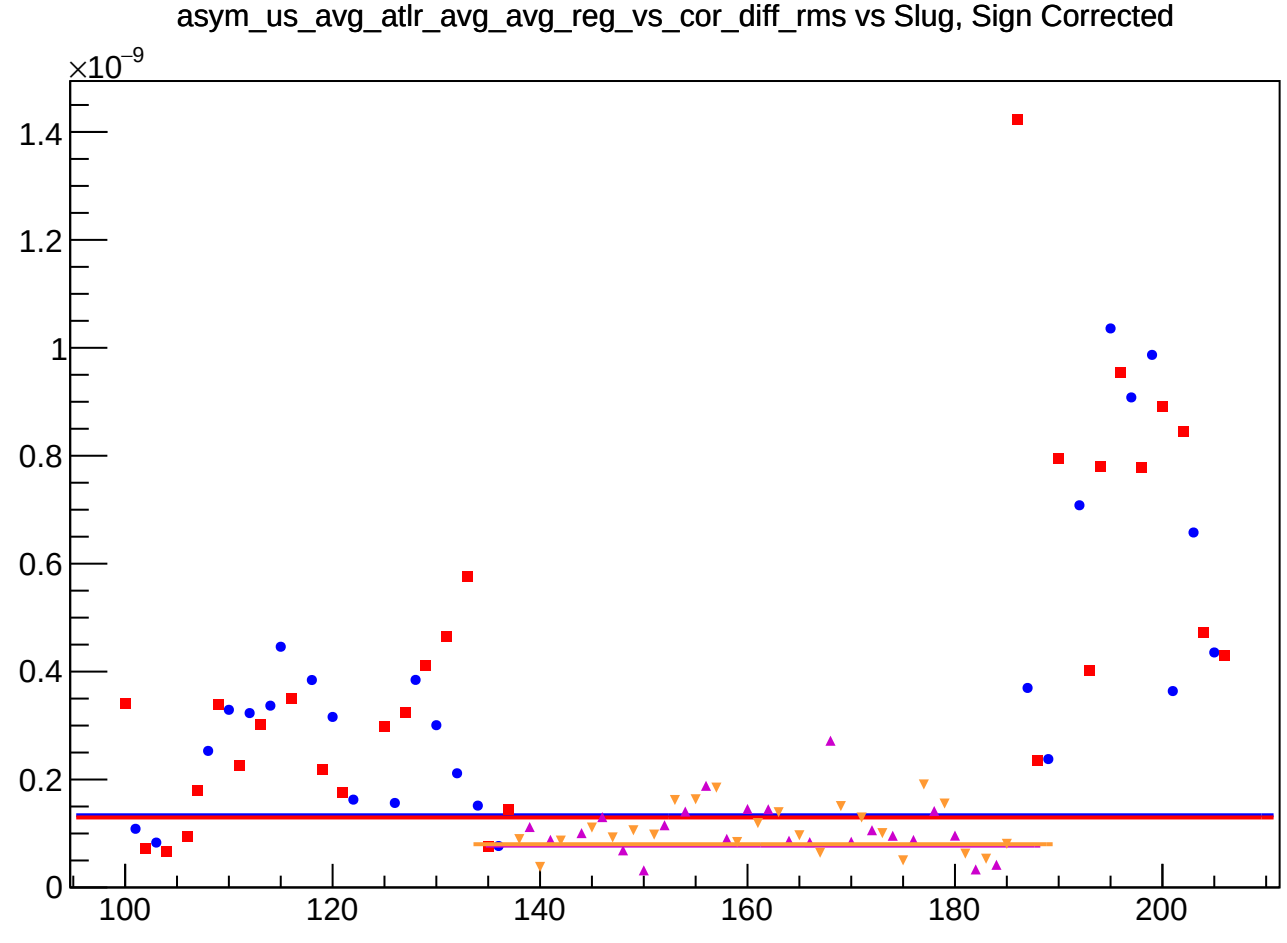
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

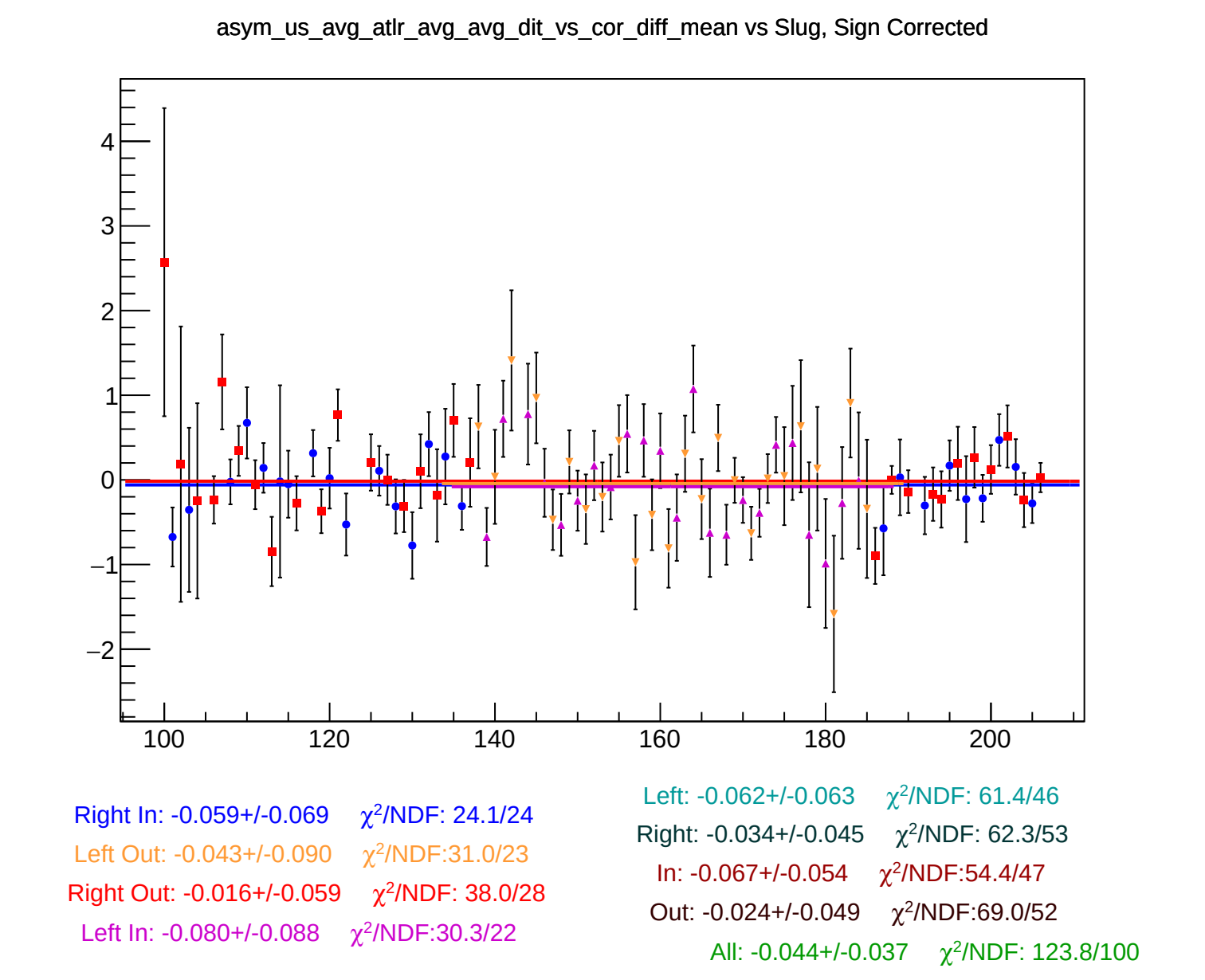
Right: -0.000+/-0.000 χ^2/NDF: 41.9/53

In: -0.000+/-0.000 χ^2/NDF:41.3/47

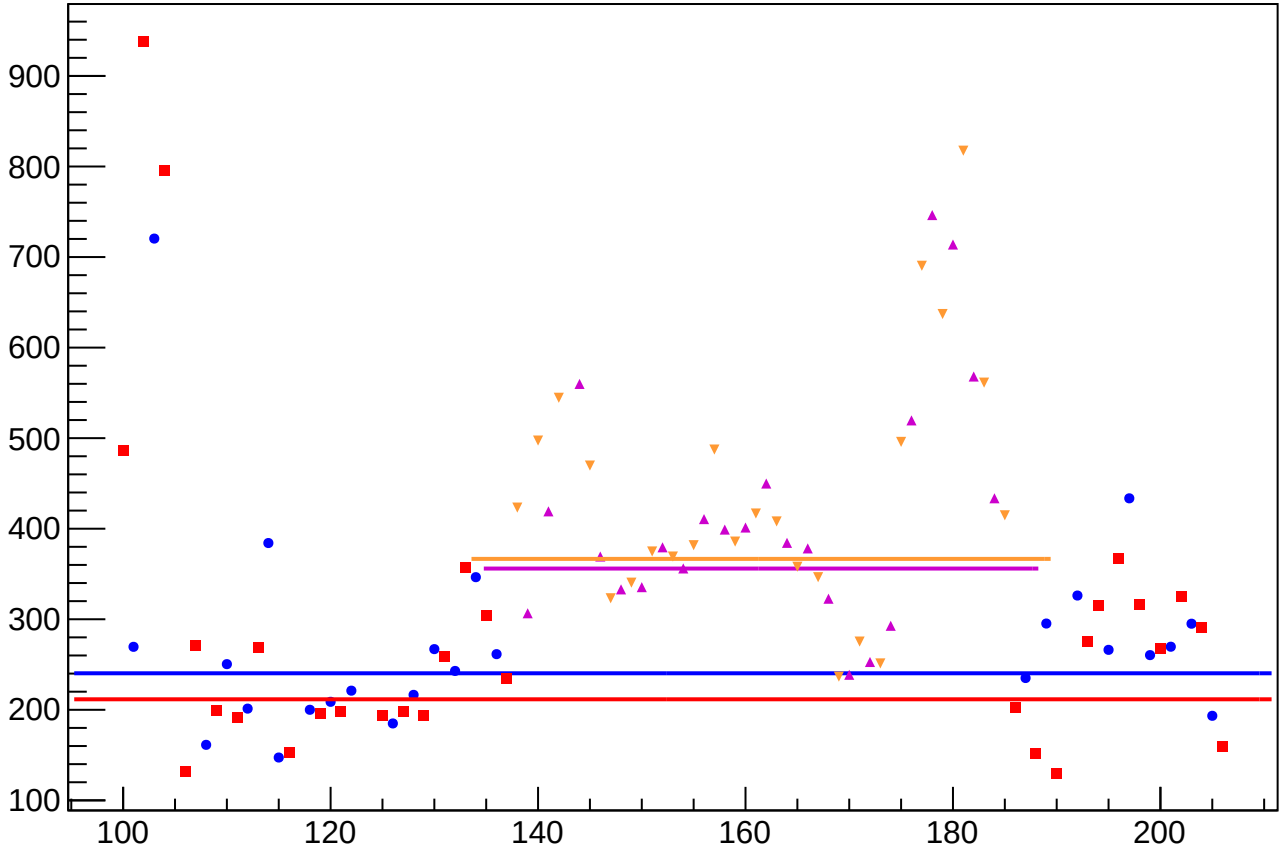
Out: 0.000+/-0.000 χ^2/NDF:51.9/52

All: -0.000+/-0.000 χ^2/NDF: 93.7/100


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4980369.4/24
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6662394.1/28
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 11645690.1/53
In: 0.000+/-0.000 χ²/NDF:8538066.0/47
Out: 0.000+/-0.000 χ²/NDF:9544410.1/52
All: 0.000+/-0.000 χ²/NDF: 18086301.9/100


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.059+/-0.069 χ²/NDF: 24.1/24
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.016+/-0.059 χ²/NDF: 38.0/28
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: -0.034+/-0.045 χ²/NDF: 62.3/53
In: -0.067+/-0.054 χ²/NDF:54.4/47
Out: -0.024+/-0.049 χ²/NDF:69.0/52
All: -0.044+/-0.037 χ²/NDF: 123.8/100

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

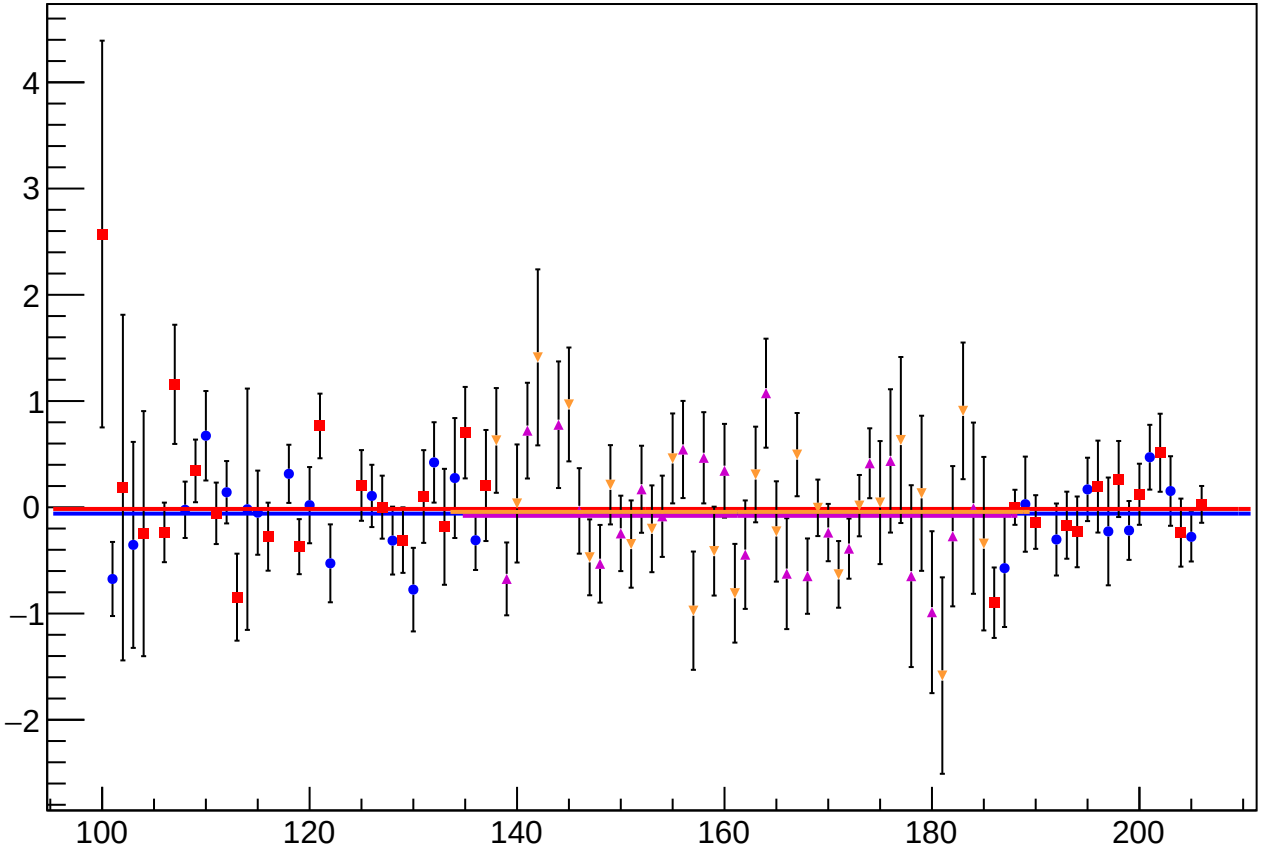
Right: 223.780+/-0.032 χ^2/NDF: 5233112.5/53

In: 284.389+/-0.038 χ^2/NDF:6300698.6/47

Out: 257.908+/-0.035 χ^2/NDF:10265721.1/52

All: 269.940+/-0.026 χ^2/NDF: 16827229.3/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

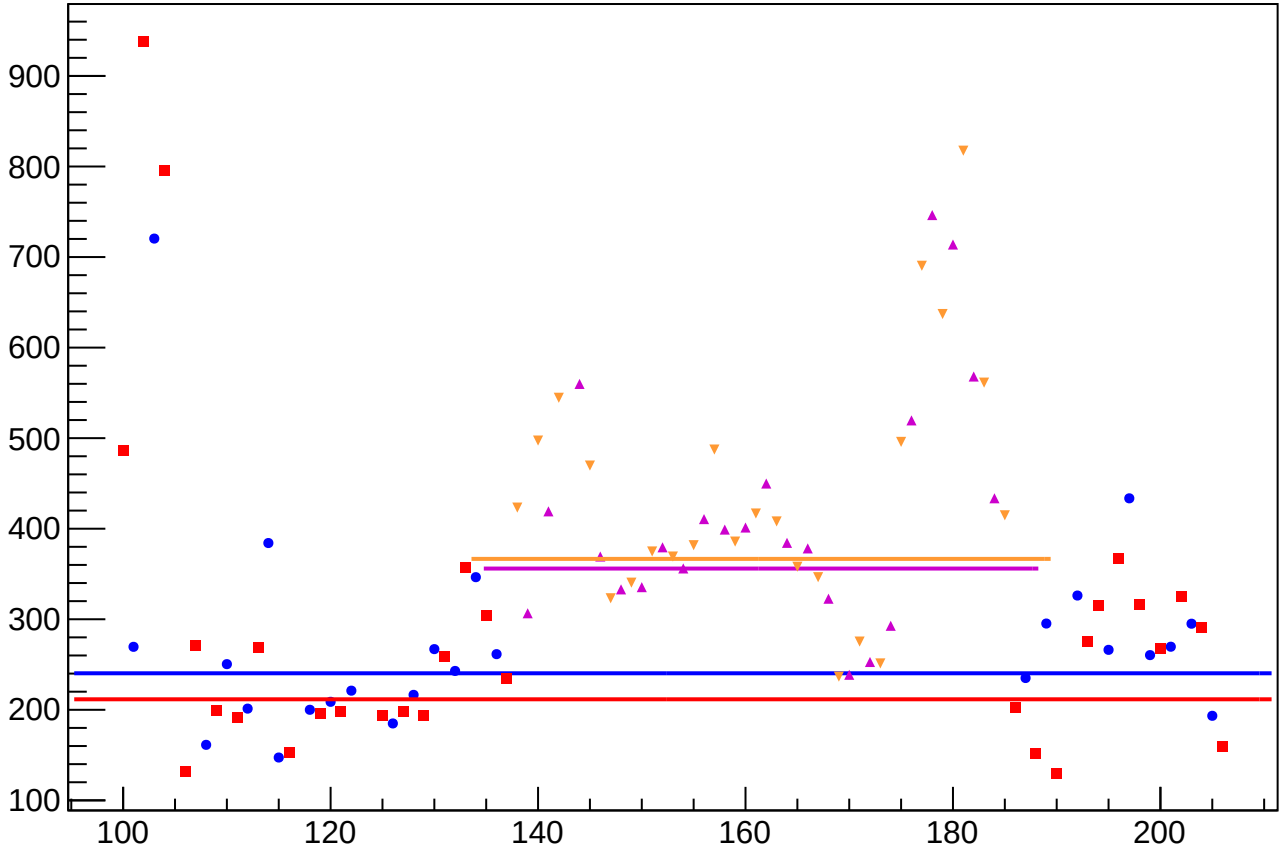
Right: -0.034+/-0.045 χ^2/NDF: 62.3/53

In: -0.067+/-0.054 χ^2/NDF:54.4/47

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.044+/-0.037 χ^2/NDF: 123.8/100

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

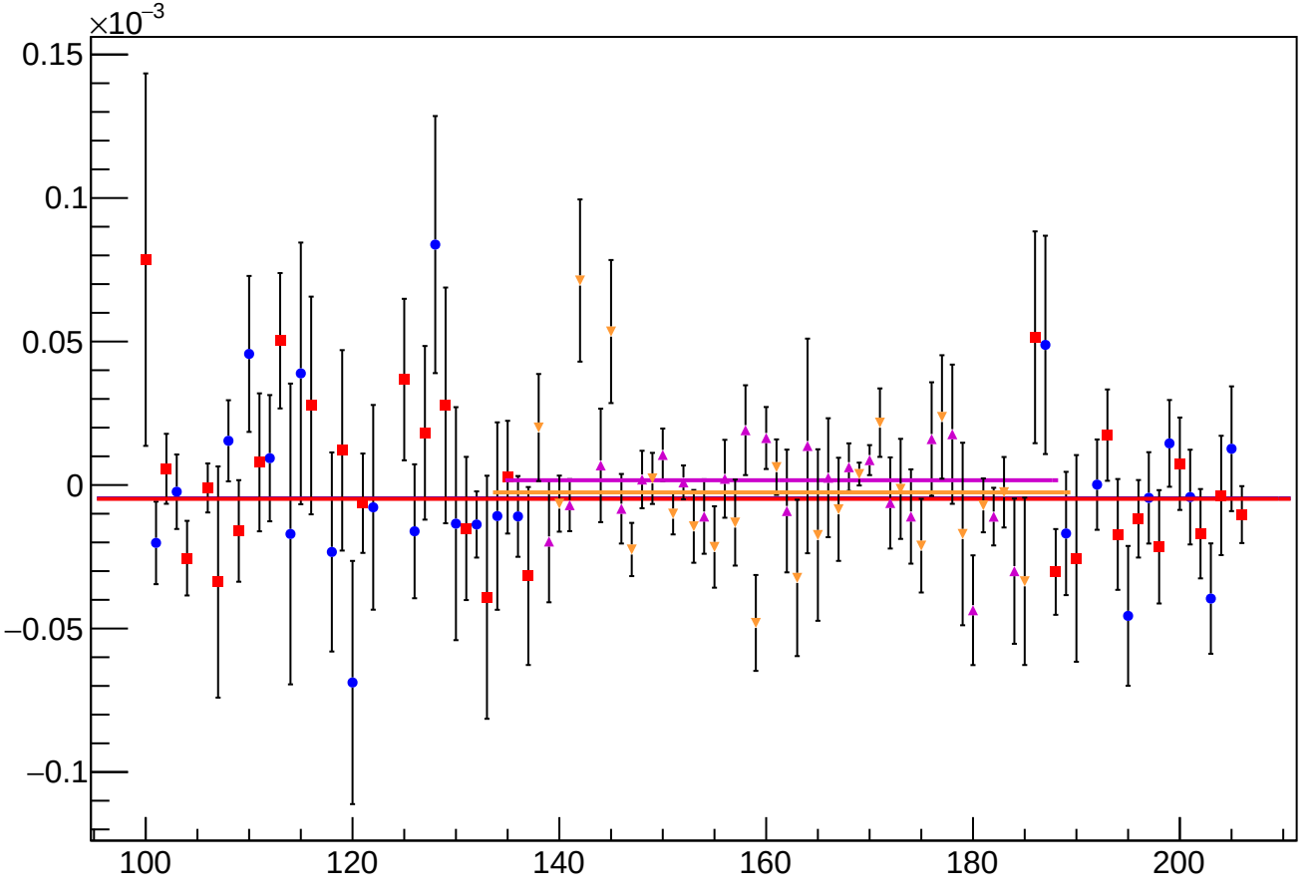
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 223.780+/-0.032 χ^2/NDF: 5233112.5/53

In: 284.389+/-0.038 χ^2/NDF:6300698.6/47

Out: 257.908+/-0.035 χ^2/NDF:10265721.1/52

All: 269.940+/-0.026 χ^2/NDF: 16827229.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/28

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

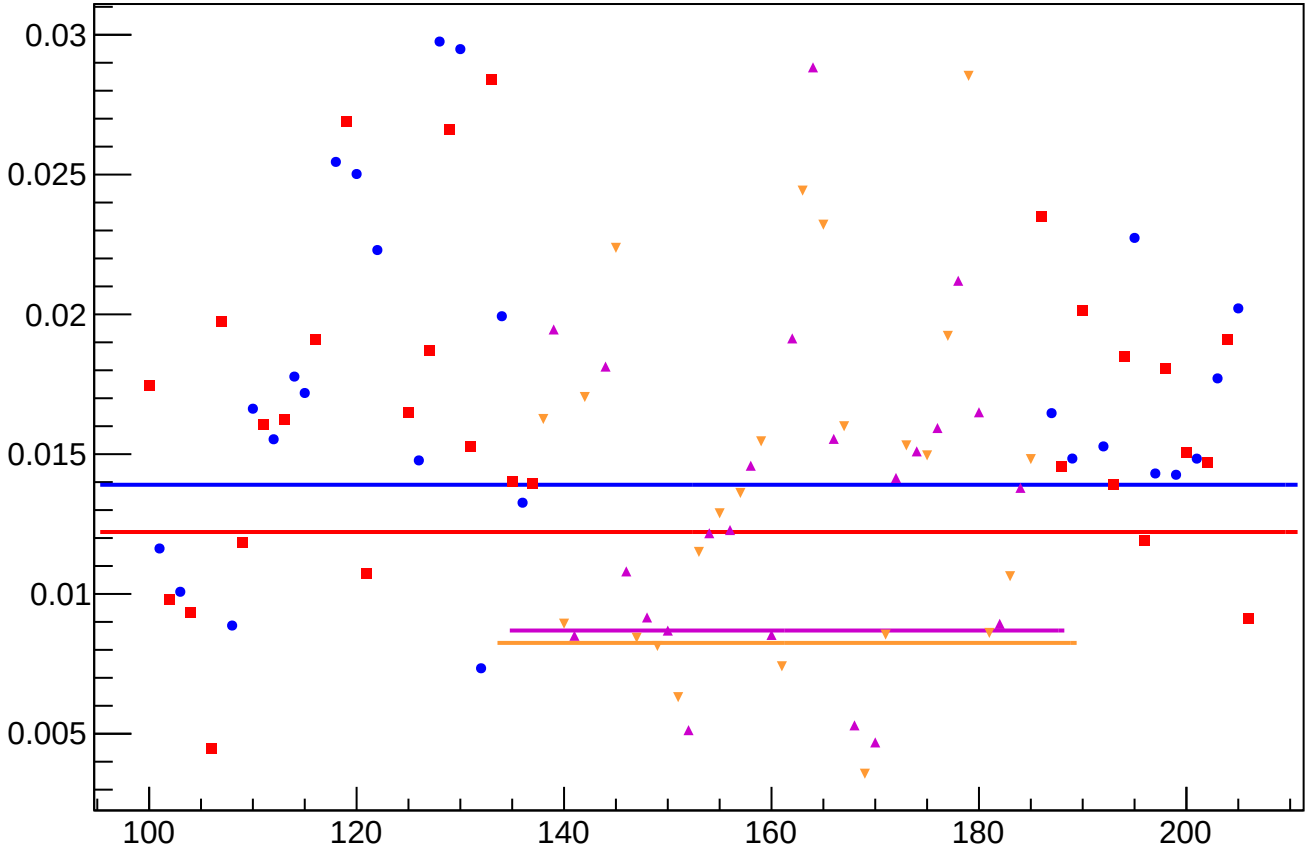
Right: -0.000+/-0.000 χ^2/NDF: 54.7/53

In: 0.000+/-0.000 χ^2/NDF:49.0/47

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: -0.000+/-0.000 χ^2/NDF: 122.5/100

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2814949.4/24

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4448740.9/28

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

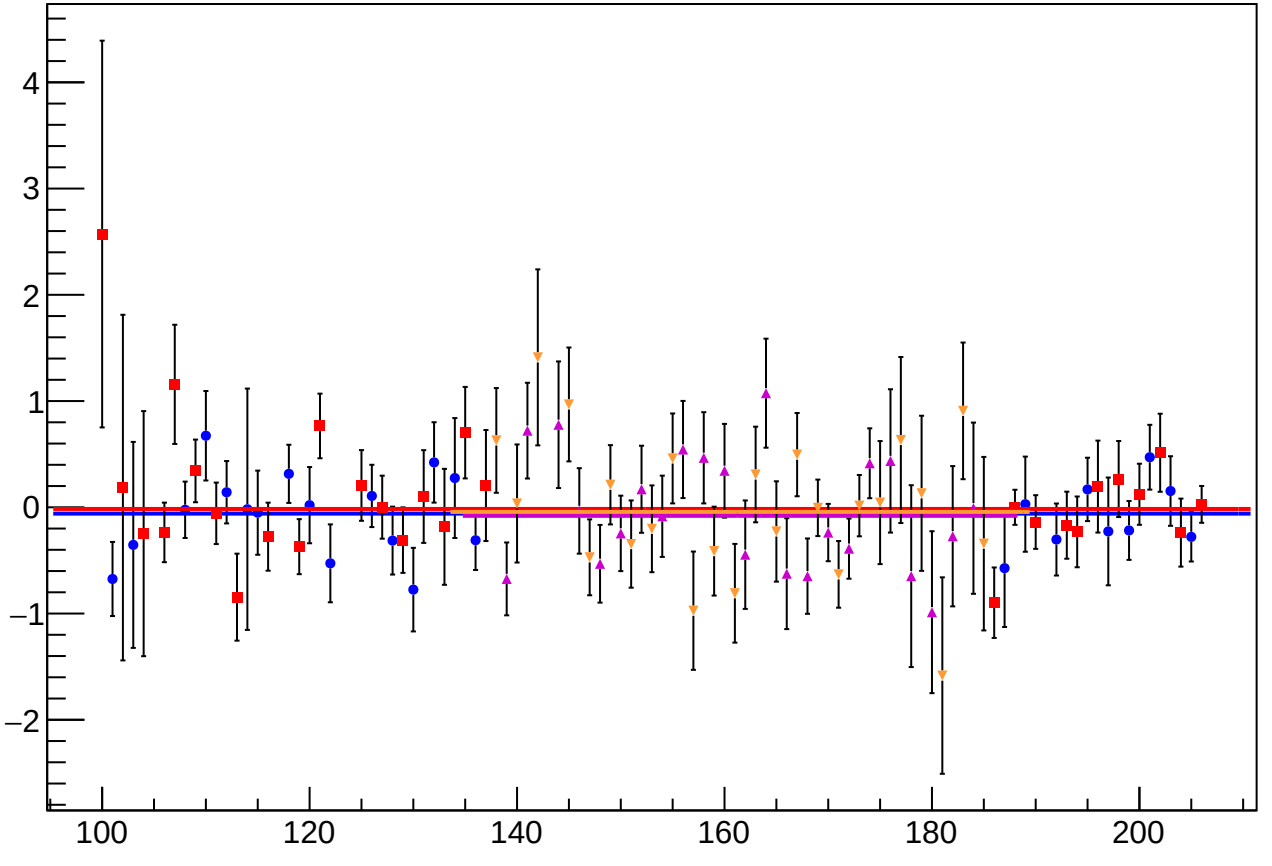
Right: 0.013+/-0.000 χ^2/NDF: 7475991.0/53

In: 0.010+/-0.000 χ^2/NDF:12260866.8/47

Out: 0.009+/-0.000 χ^2/NDF:15245523.8/52

All: 0.010+/-0.000 χ^2/NDF: 27590462.7/100

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

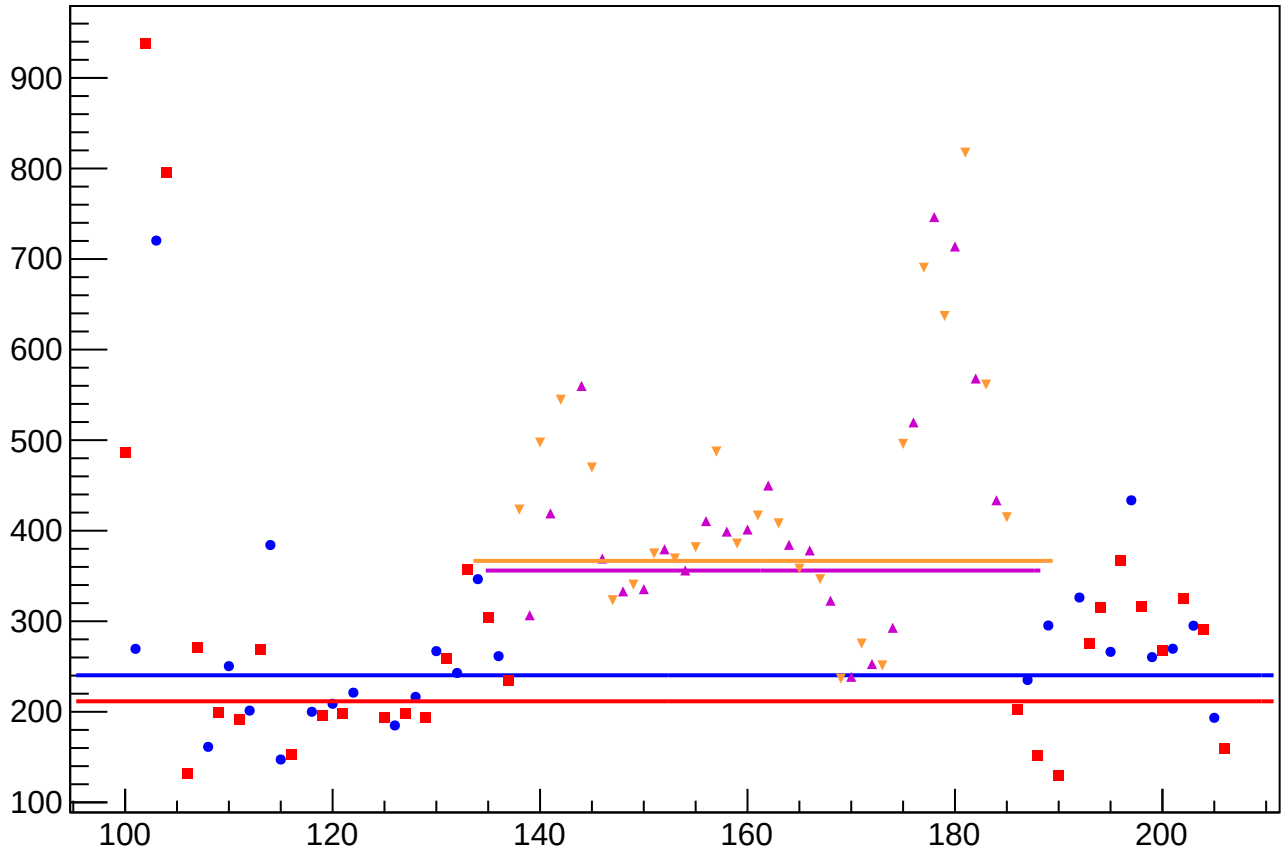
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.034+/-0.045 χ^2/NDF: 62.3/53

In: -0.067+/-0.054 χ^2/NDF:54.4/47

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.044+/-0.037 χ^2/NDF: 123.8/100



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

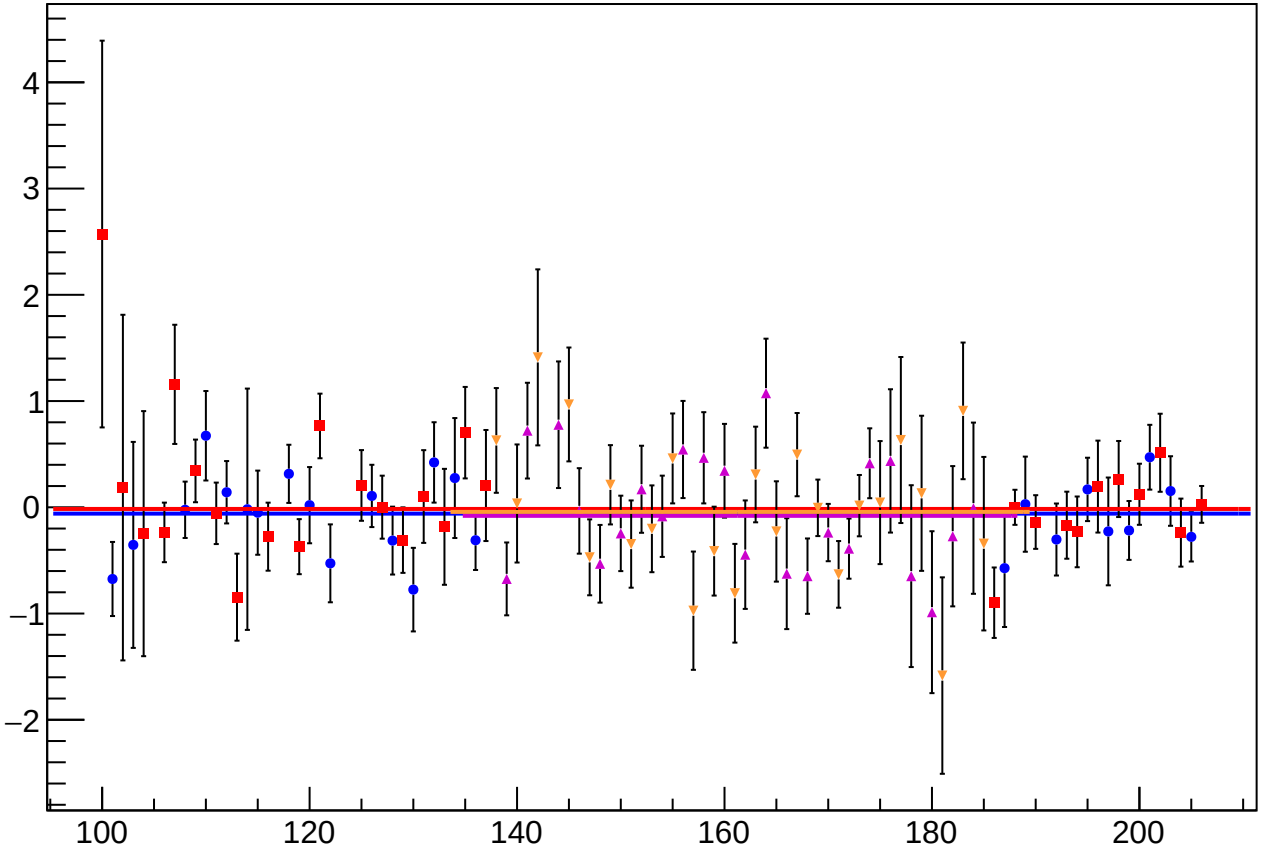
Right: 223.778+/-0.032 χ^2/NDF: 5233240.4/53

In: 284.388+/-0.038 χ^2/NDF:6300981.9/47

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 269.938+/-0.026 χ^2/NDF: 16828031.0/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

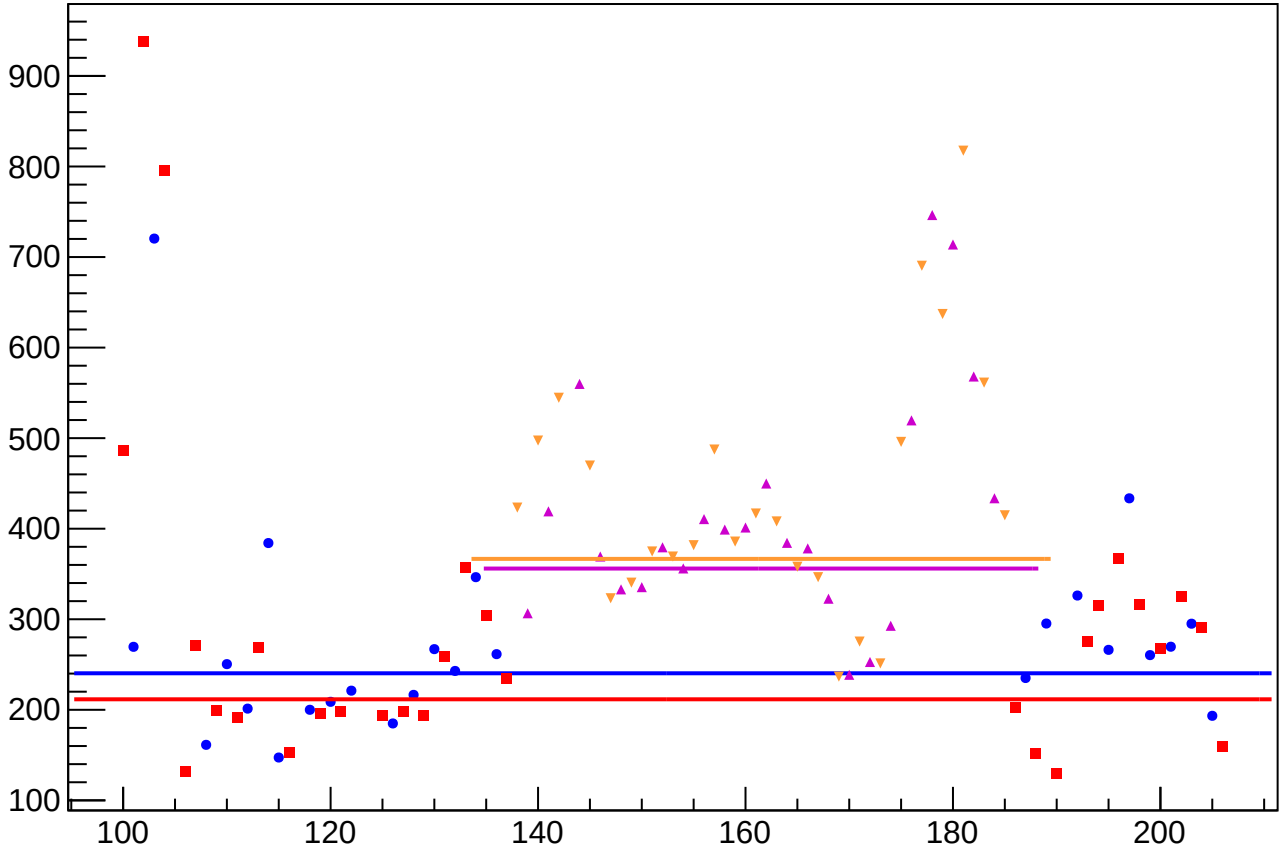
Right: -0.034+/-0.045 χ^2/NDF: 62.3/53

In: -0.067+/-0.054 χ^2/NDF:54.4/47

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.044+/-0.037 χ^2/NDF: 123.8/100

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

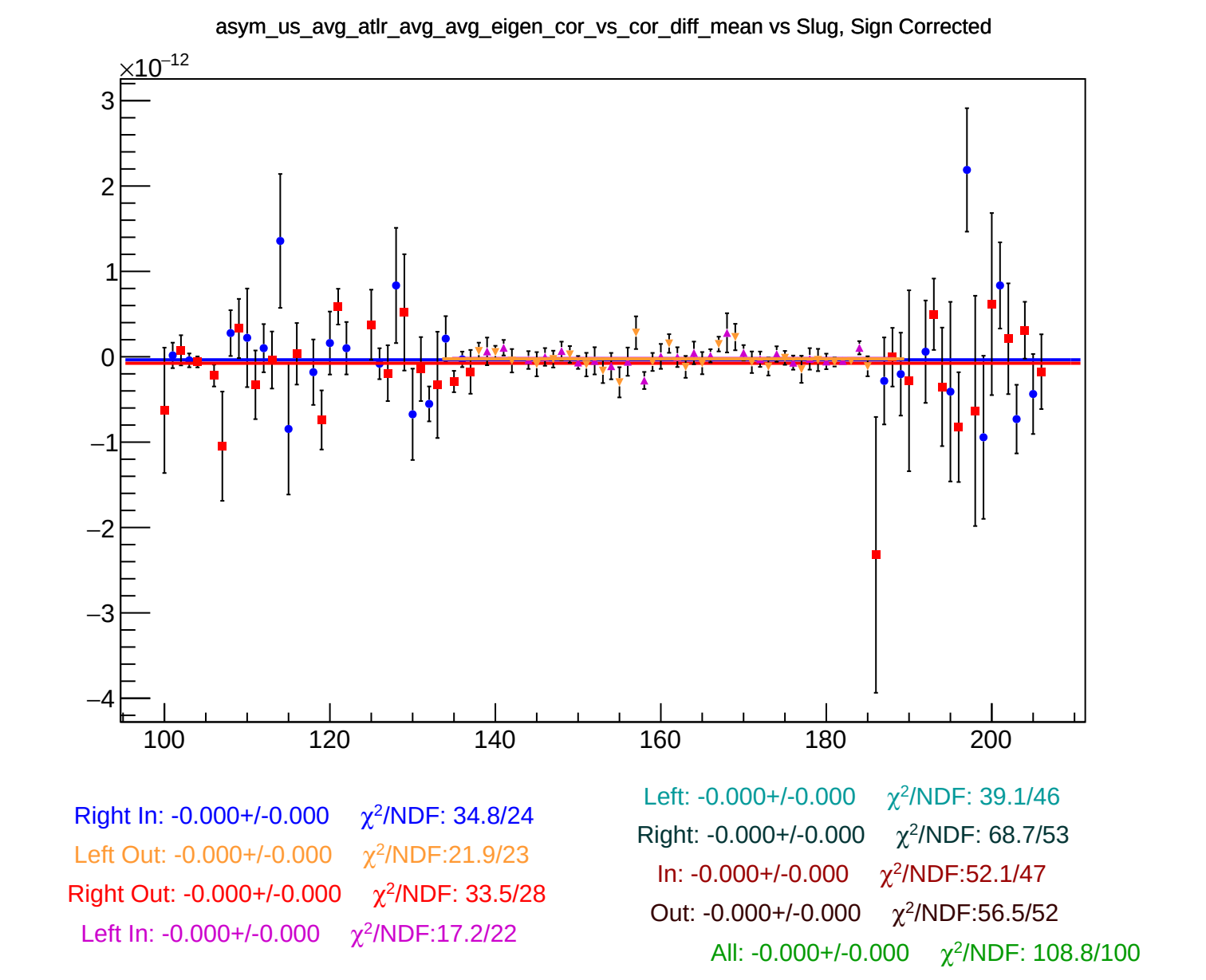
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

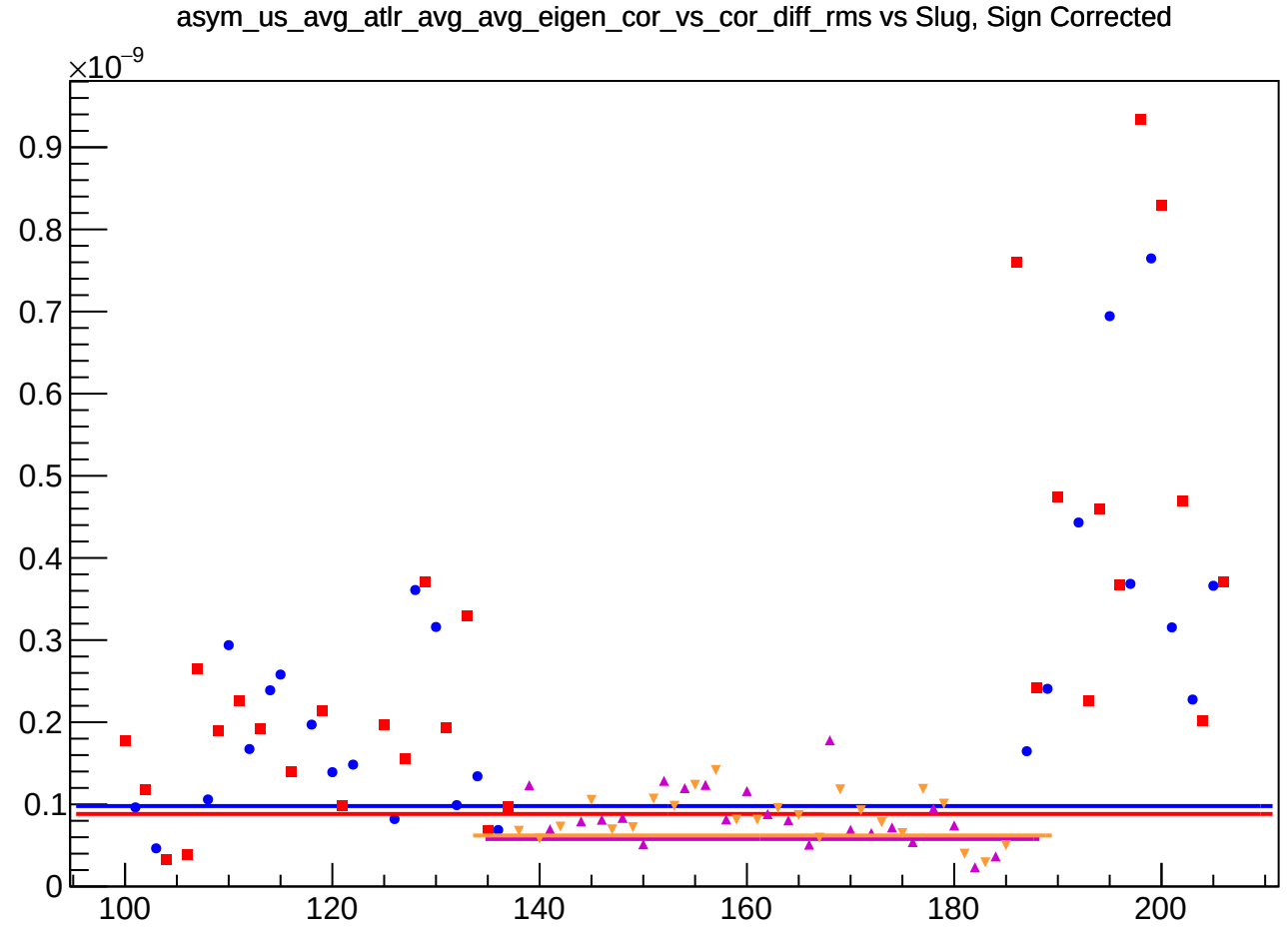
Right: 223.778+/-0.032 χ^2/NDF: 5233240.4/53

In: 284.388+/-0.038 χ^2/NDF:6300981.9/47

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 269.938+/-0.026 χ^2/NDF: 16828031.0/10


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.8/24
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.5/28
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 68.7/53
In: -0.000+/-0.000 χ²/NDF:52.1/47
Out: -0.000+/-0.000 χ²/NDF:56.5/52
All: -0.000+/-0.000 χ²/NDF: 108.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 6421882.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9715525.8/28

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

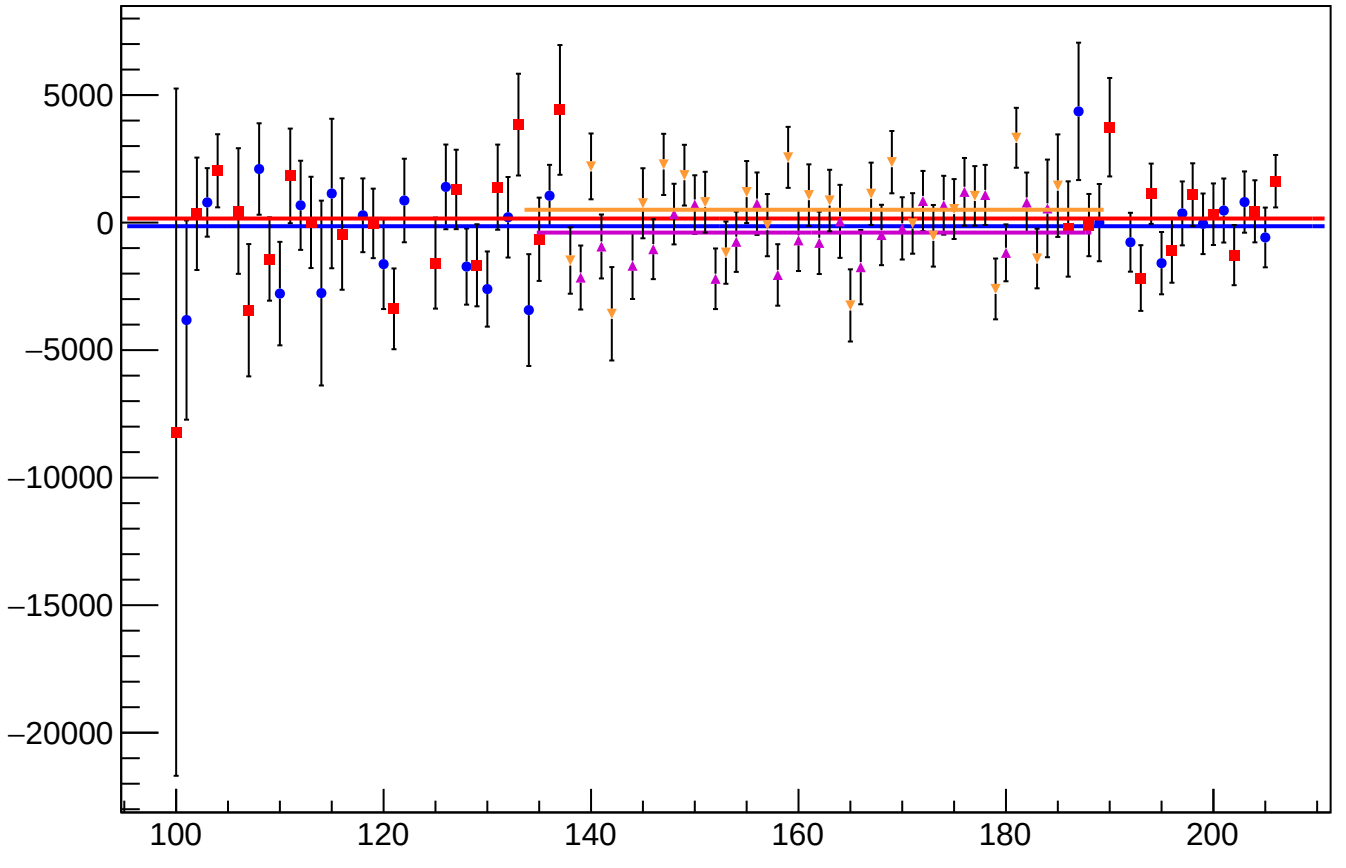
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16184799.1/53

In: 0.000+/-0.000 χ^2/NDF:13263750.0/47

Out: 0.000+/-0.000 χ^2/NDF:14442307.4/52

All: 0.000+/-0.000 χ^2/NDF: 27737468.1/100



Right In: -142.593+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 158.894+/-285.767 χ^2/NDF: 33.3/28

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

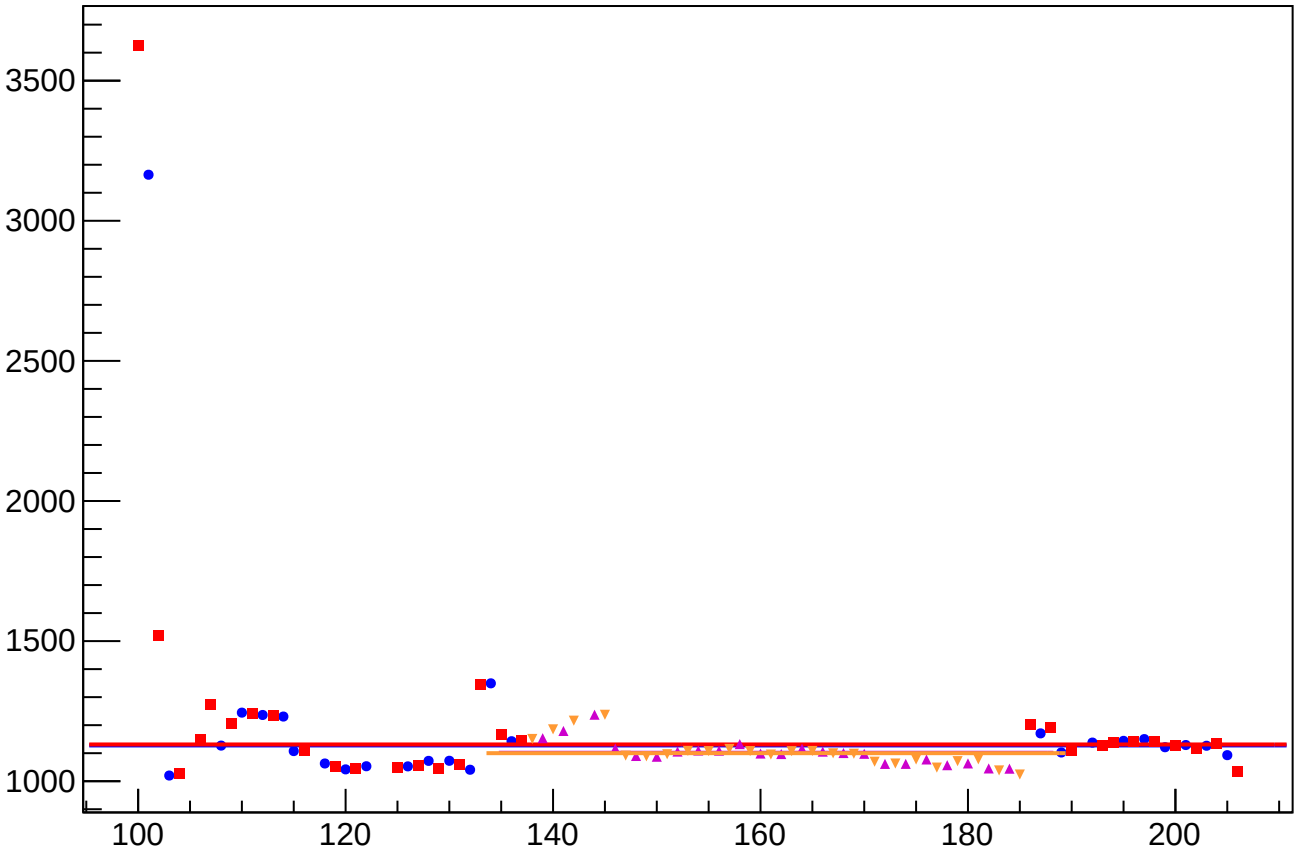
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 17.415+/-208.184 χ^2/NDF: 54.3/53

In: -287.651+/-196.409 χ^2/NDF:38.7/47

Out: 350.445+/-190.484 χ^2/NDF:78.7/52

All: 41.168+/-136.739 χ^2/NDF: 122.8/100



Right In: 1127.682+/-0.215 χ^2/NDF: 625438.8/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.138+/-0.202 χ^2/NDF: 247318.9/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

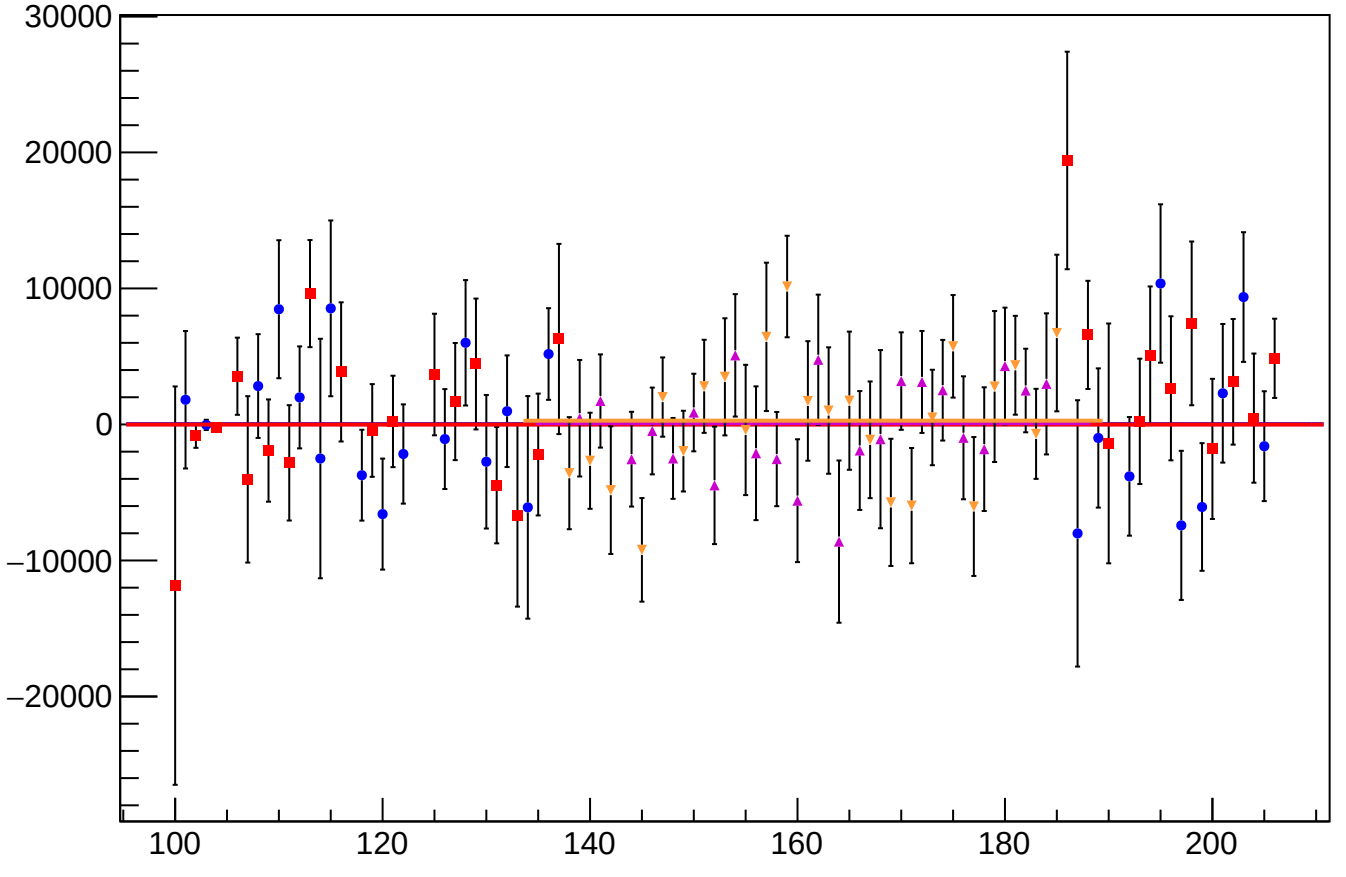
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.517+/-0.147 χ^2/NDF: 872895.0/53

In: 1112.453+/-0.139 χ^2/NDF:686209.1/47

Out: 1113.882+/-0.135 χ^2/NDF:319205.7/52

All: 1113.190+/-0.097 χ^2/NDF: 1005469.4/10



Right In: 19.928+/-349.836 χ^2/NDF: 27.2/24

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -5.457+/-314.659 χ^2/NDF: 30.8/28

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

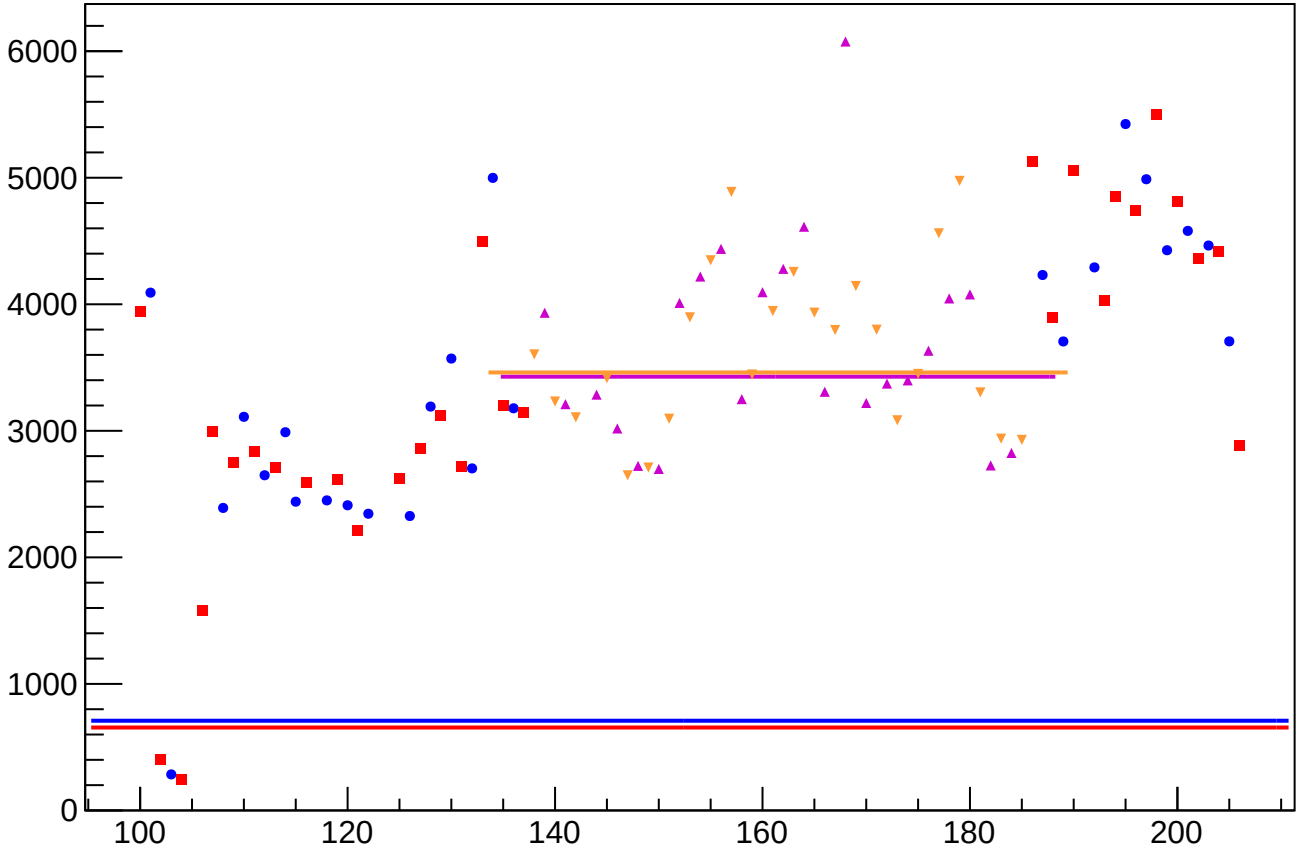
Right: 5.896+/-233.948 χ^2/NDF: 58.1/53

In: 31.513+/-321.607 χ^2/NDF:40.9/47

Out: 30.823+/-293.795 χ^2/NDF:60.8/52

All: 31.137+/-216.912 χ^2/NDF: 101.7/100

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 709.082+/-0.247 χ^2/NDF: 19684237.2/24

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 655.380+/-0.222 χ^2/NDF: 22178758.1/28

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

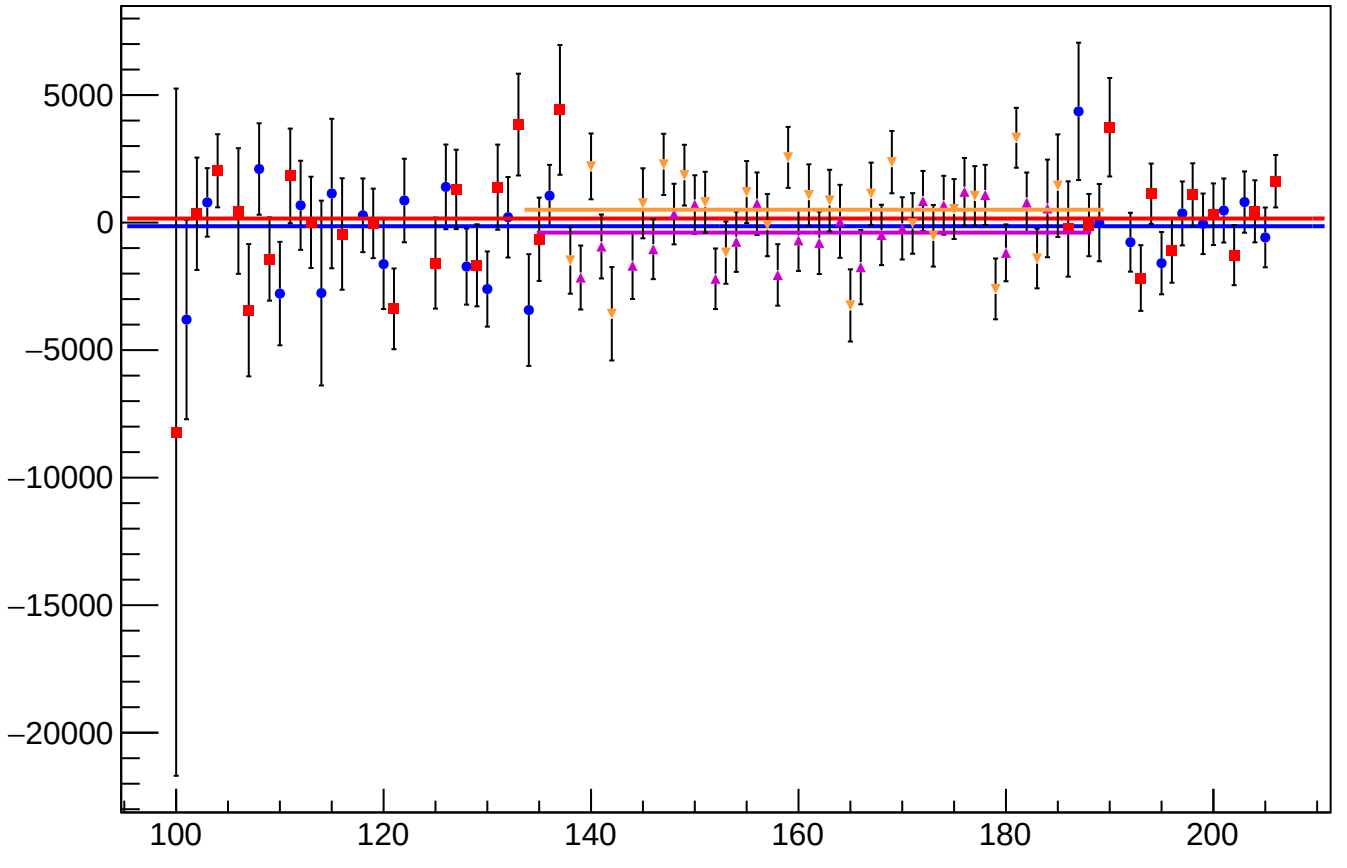
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 679.396+/-0.165 χ^2/NDF: 41889047.2/53

In: 1130.142+/-0.227 χ^2/NDF:39635030.4/47

Out: 1015.129+/-0.208 χ^2/NDF:43627576.9/52

All: 1067.449+/-0.153 χ^2/NDF: 83402035.3/1



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 158.935+/-285.767 χ^2/NDF: 33.3/28

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

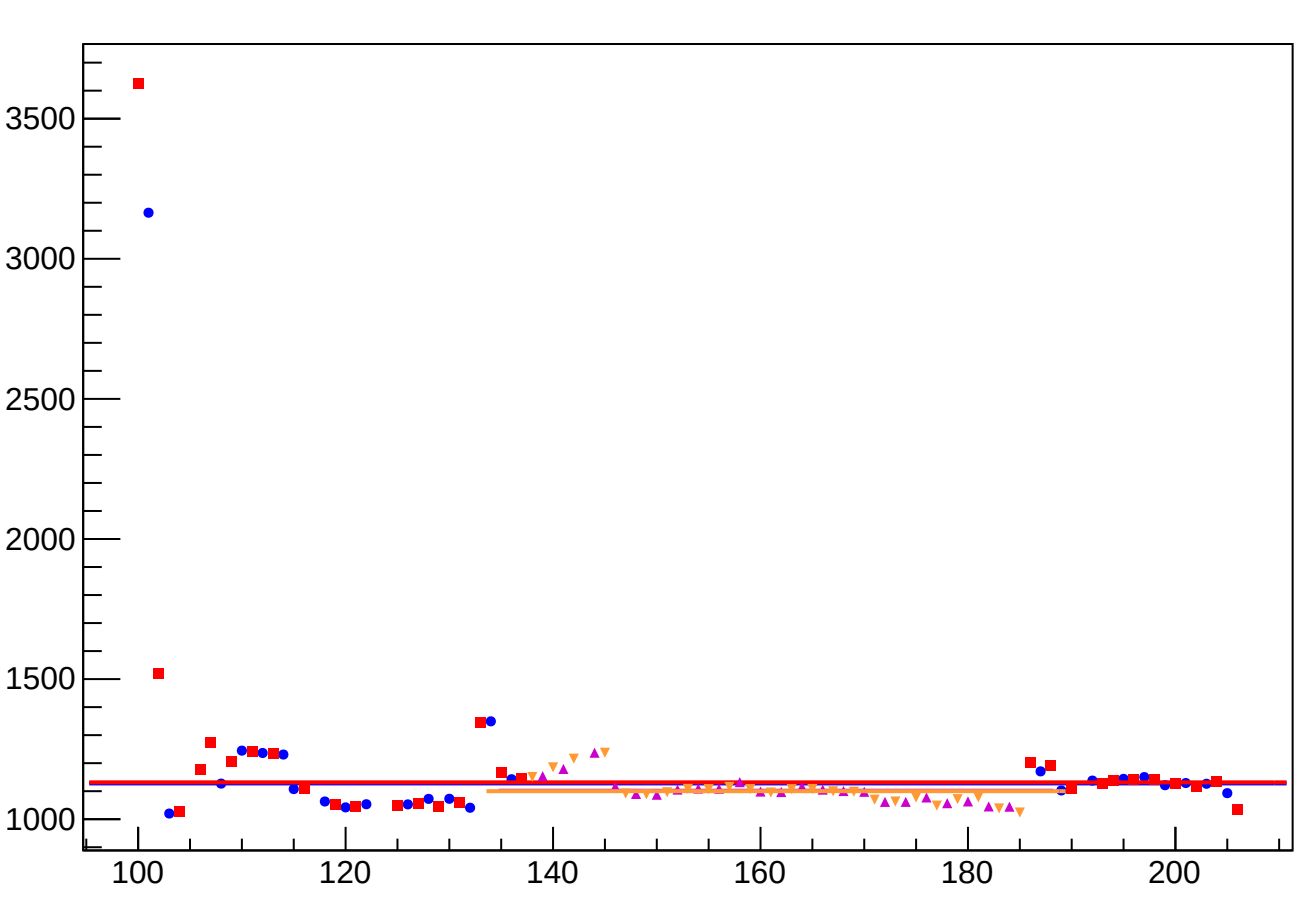
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 17.462+/-208.184 χ^2/NDF: 54.3/53

In: -287.620+/-196.409 χ^2/NDF:38.7/47

Out: 350.504+/-190.484 χ^2/NDF:78.7/52

All: 41.213+/-136.739 χ^2/NDF: 122.8/100



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

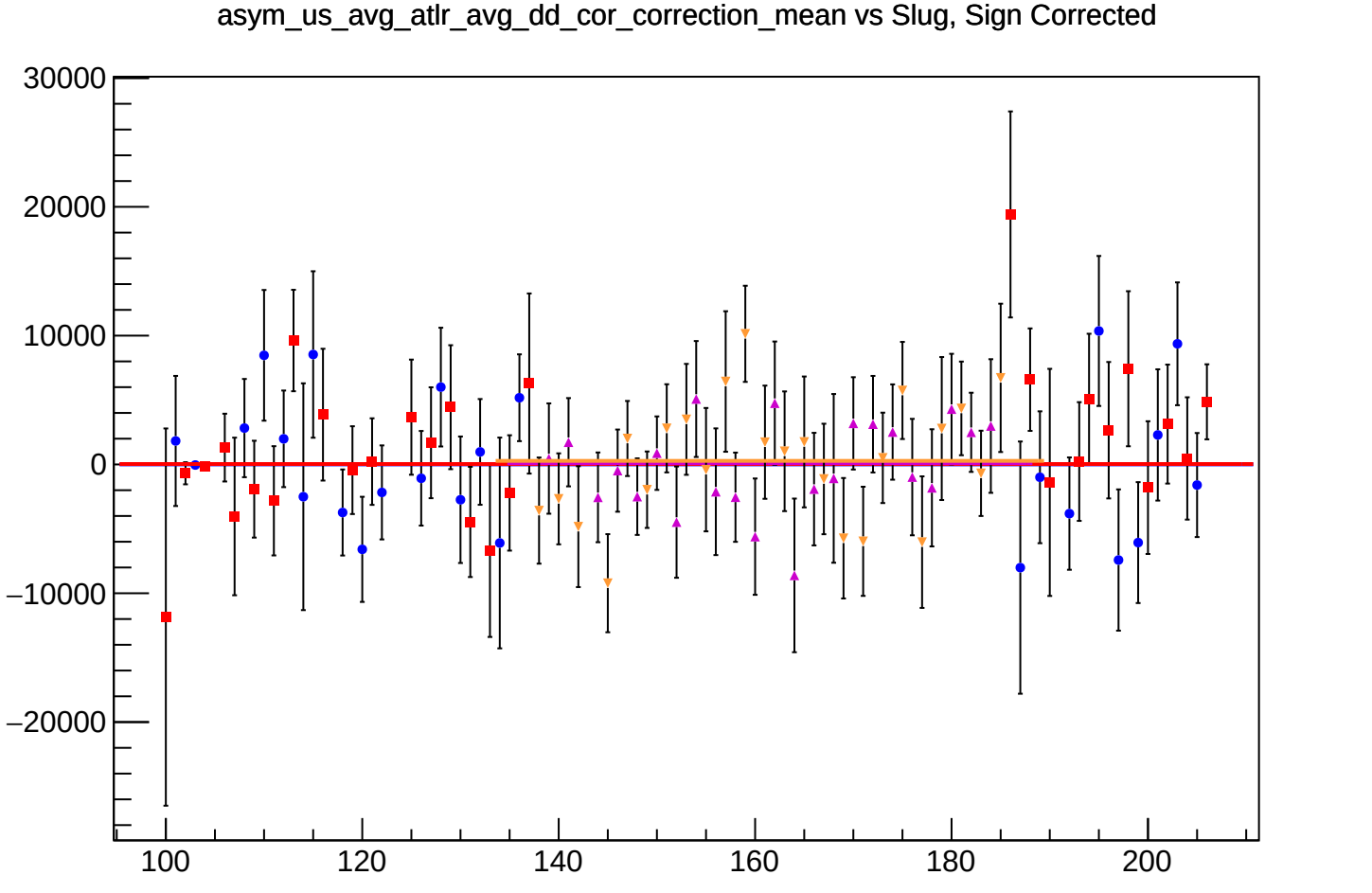
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.737+/-0.147 χ^2/NDF: 873596.2/53

In: 1112.453+/-0.139 χ^2/NDF:686210.2/47

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1113.280+/-0.097 χ^2/NDF: 1006495.5/10



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: 31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

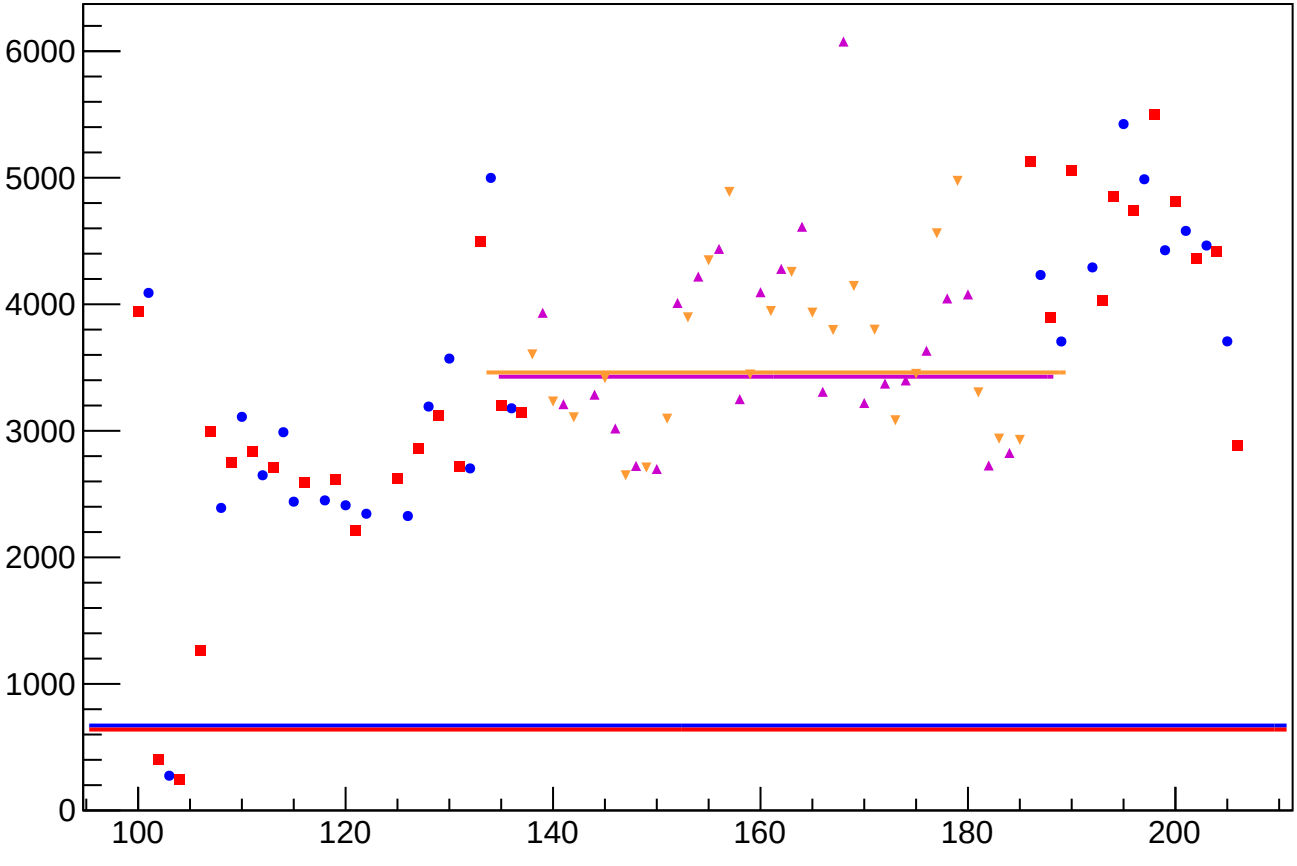
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: 19.679+/-228.253 χ^2/NDF: 56.3/53

In: 18.258+/-311.963 χ^2/NDF:40.9/47

Out: 62.531+/-289.866 χ^2/NDF:59.0/52

All: 42.018+/-212.349 χ^2/NDF: 99.9/100



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

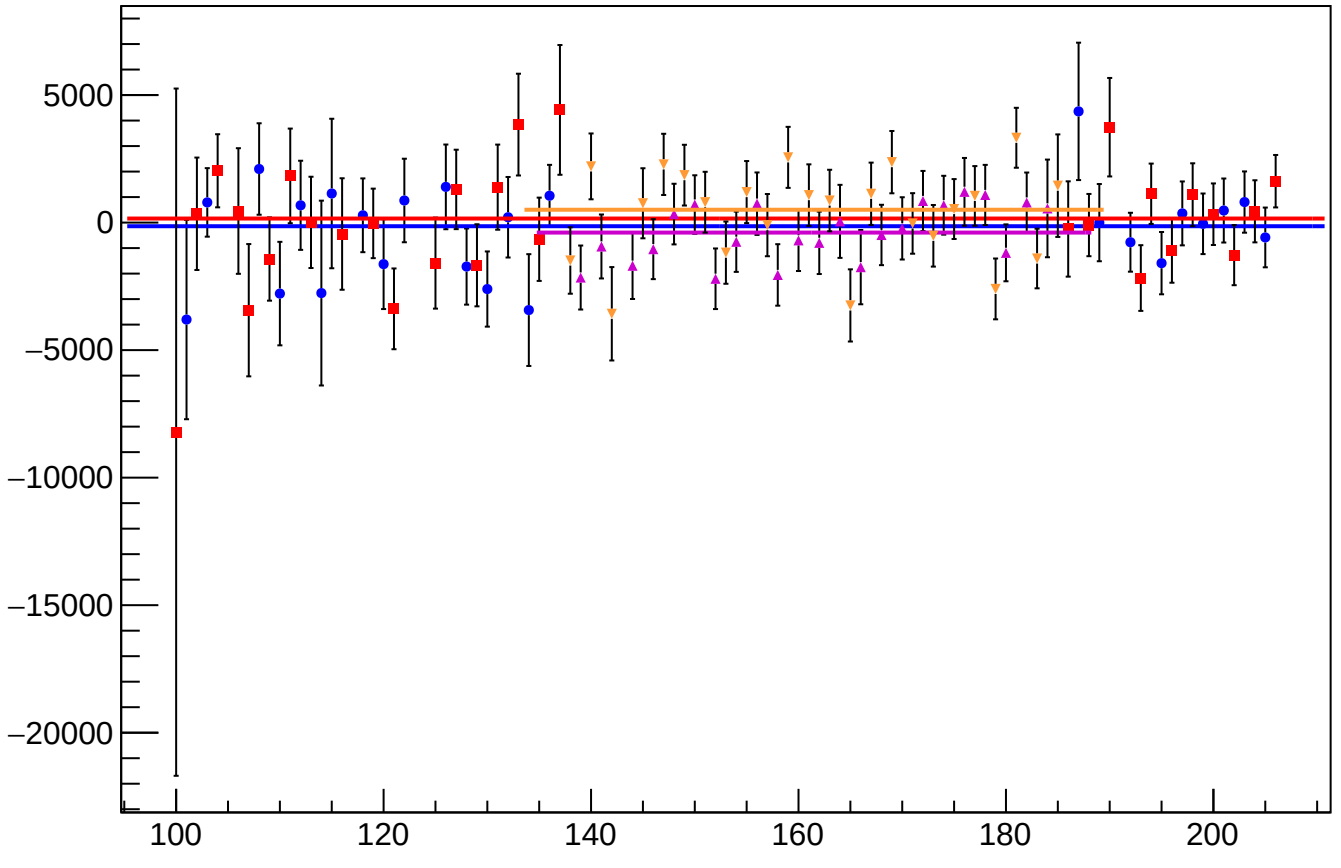
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 653.731+/-0.161 χ^2/NDF: 42218498.2/53

In: 1072.545+/-0.221 χ^2/NDF:40701951.5/47

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1029.080+/-0.150 χ^2/NDF: 84734185.6/1



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 158.935+/-285.767 χ^2/NDF: 33.3/28

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

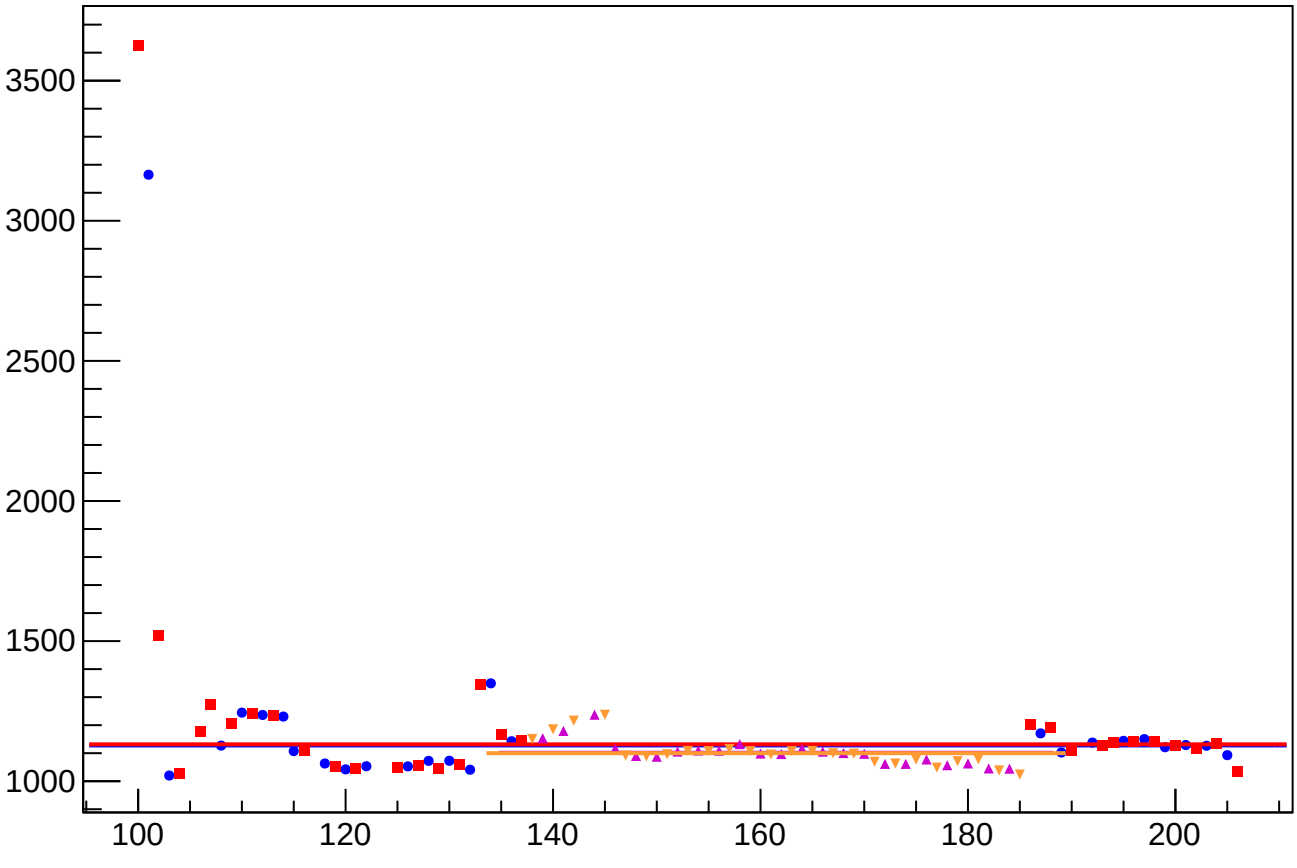
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 17.462+/-208.184 χ^2/NDF: 54.3/53

In: -287.620+/-196.409 χ^2/NDF:38.7/47

Out: 350.504+/-190.484 χ^2/NDF:78.7/52

All: 41.213+/-136.739 χ^2/NDF: 122.8/100



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

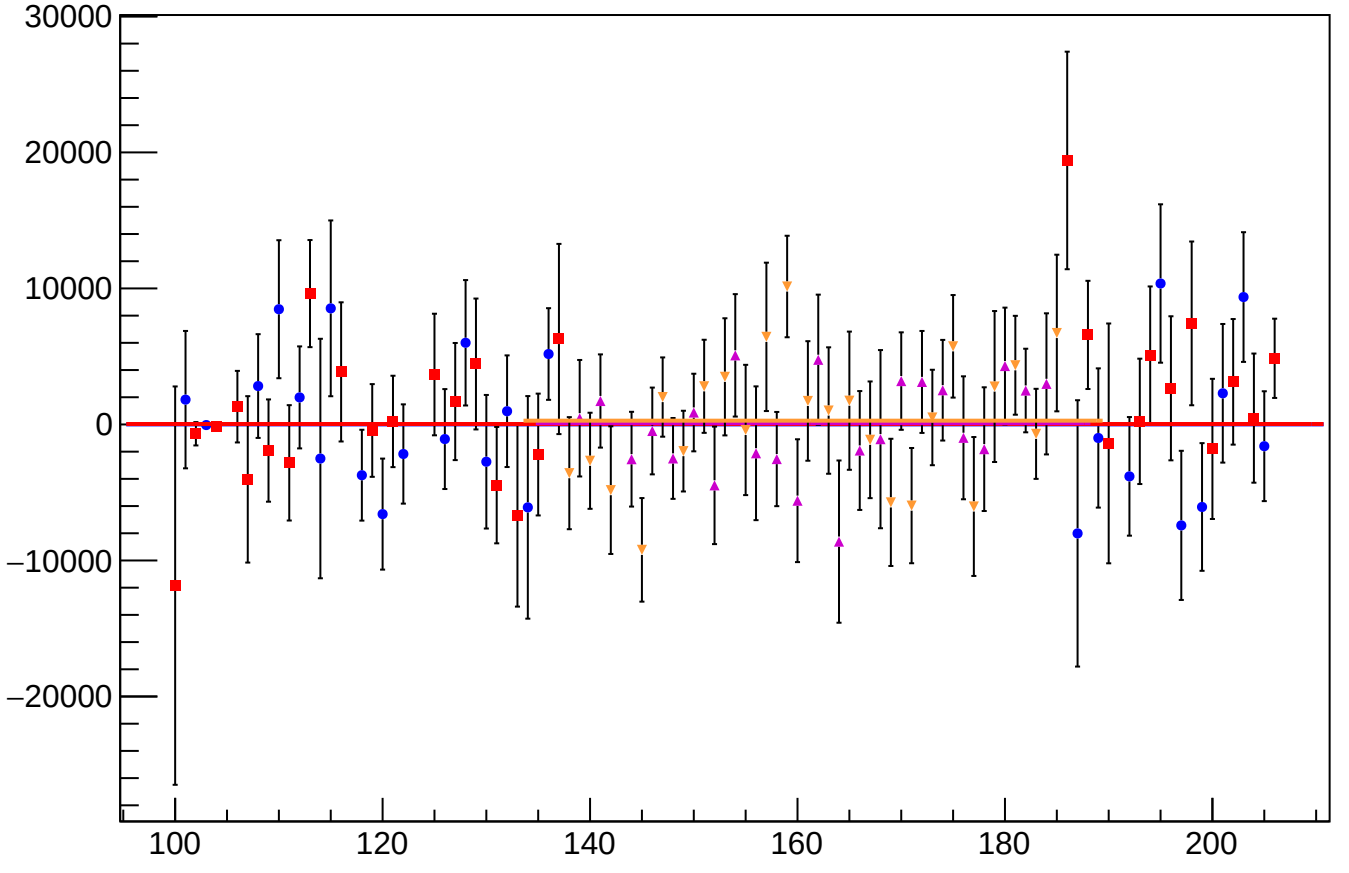
Right: 1129.737+/-0.147 χ^2/NDF: 873596.2/53

In: 1112.453+/-0.139 χ^2/NDF:686210.2/47

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1113.280+/-0.097 χ^2/NDF: 1006495.5/10

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: 31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

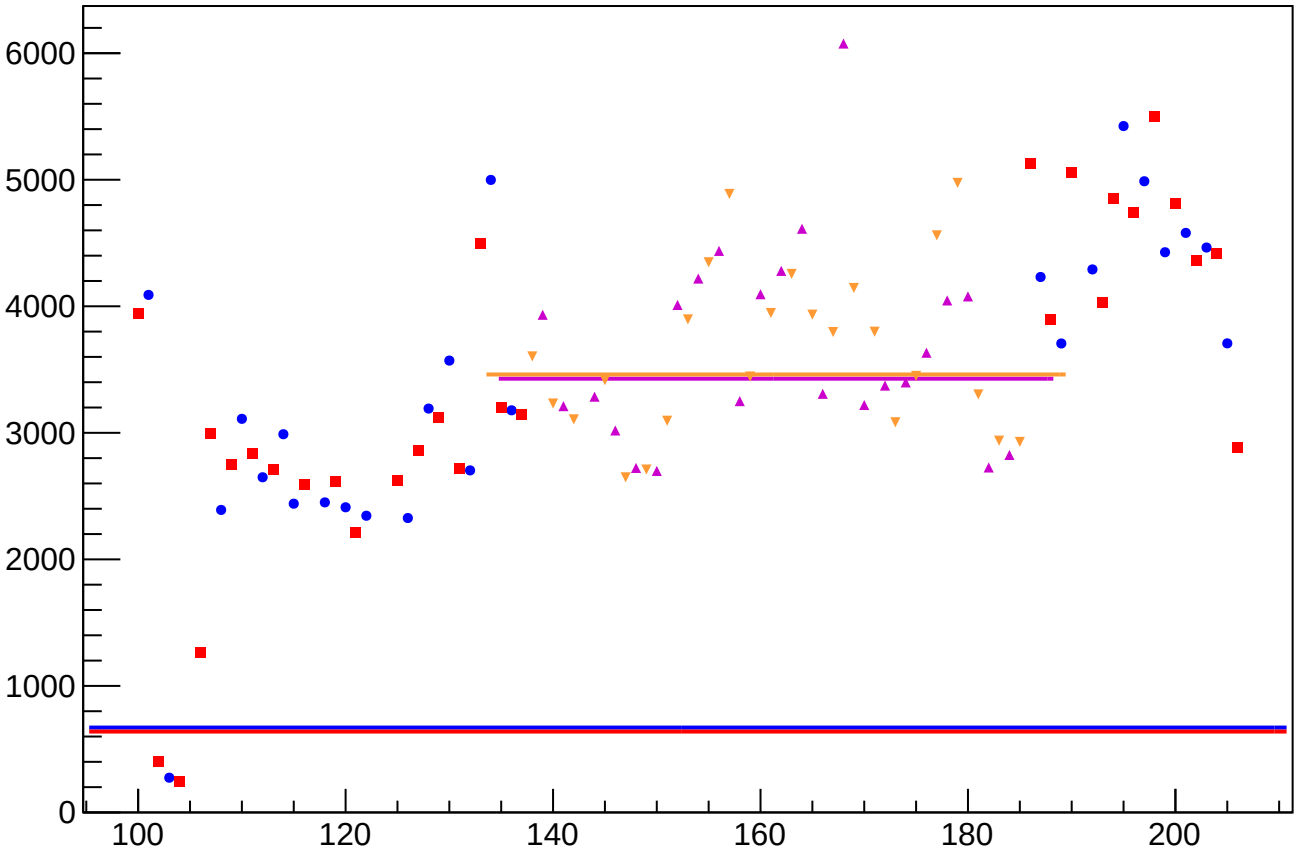
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: 19.679+/-228.253 χ^2/NDF: 56.3/53

In: 18.258+/-311.963 χ^2/NDF:40.9/47

Out: 62.531+/-289.866 χ^2/NDF:59.0/52

All: 42.018+/-212.349 χ^2/NDF: 99.9/100



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

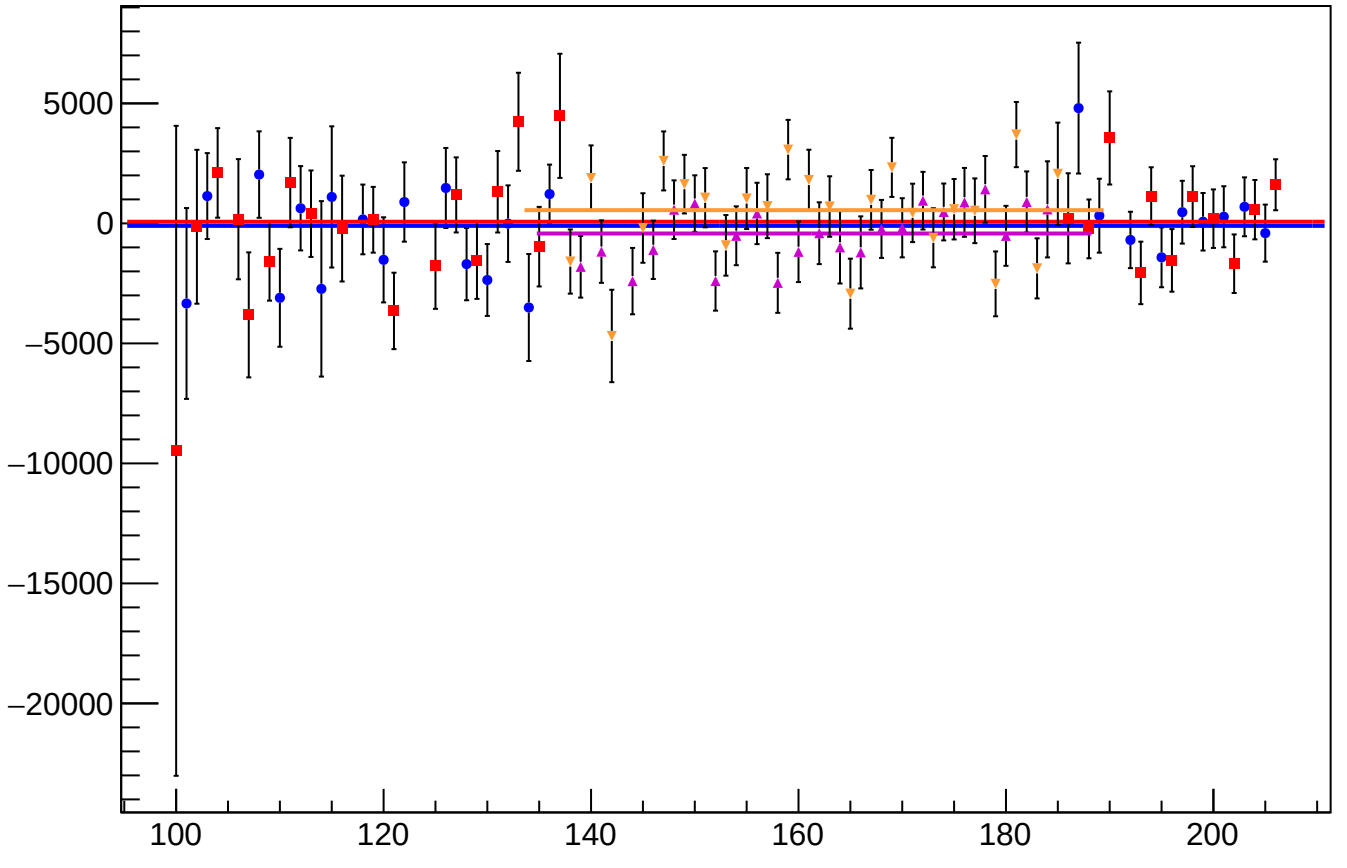
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 653.731+/-0.161 χ^2/NDF: 42218498.2/53

In: 1072.545+/-0.221 χ^2/NDF:40701951.5/47

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1029.080+/-0.150 χ^2/NDF: 84734185.6/1



Right In: -102.415+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 68.515+/-293.651 χ^2/NDF: 35.0/28

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

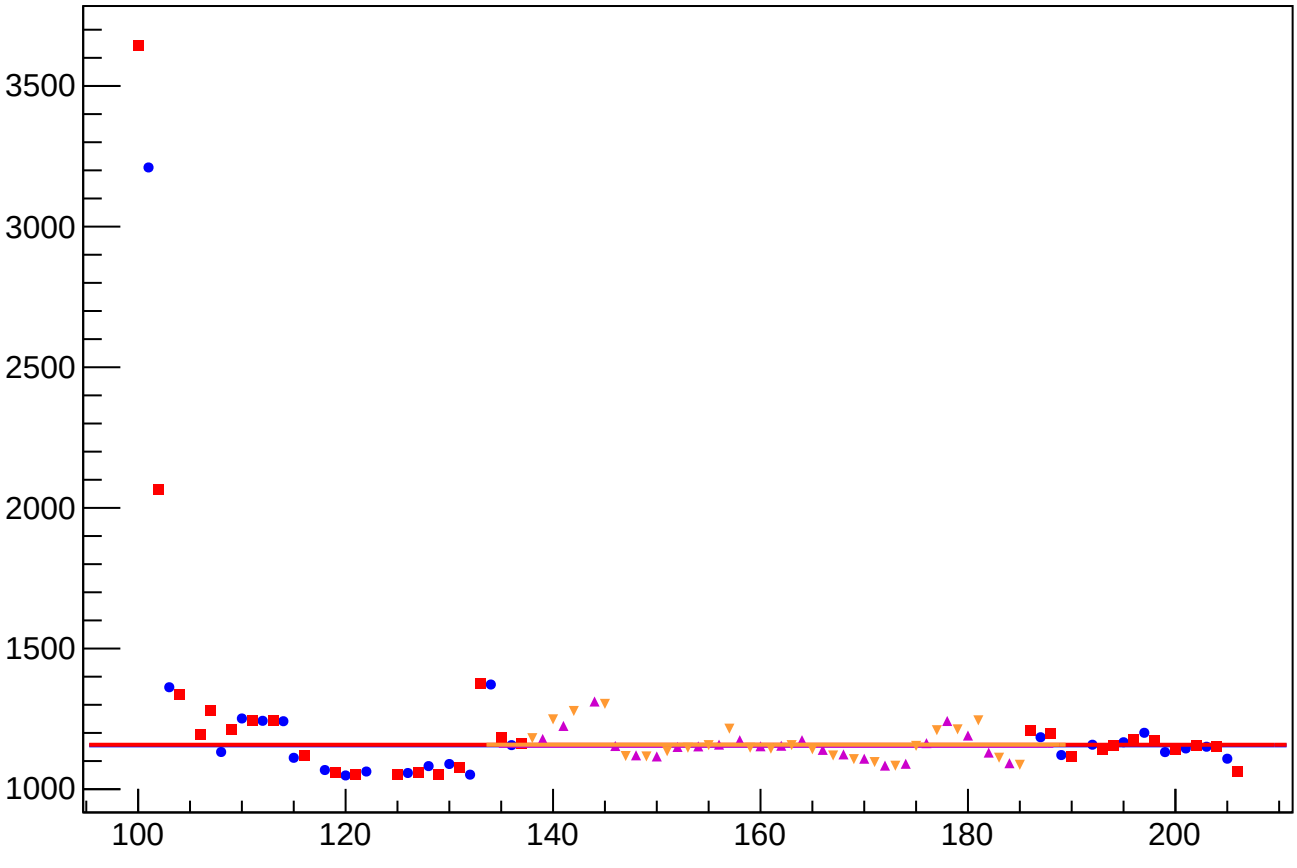
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -11.877+/-213.716 χ^2/NDF: 55.1/53

In: -284.514+/-203.982 χ^2/NDF:38.4/47

Out: 330.488+/-198.438 χ^2/NDF:81.7/52

All: 31.459+/-142.236 χ^2/NDF: 124.8/100



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.2/24

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.8/28

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

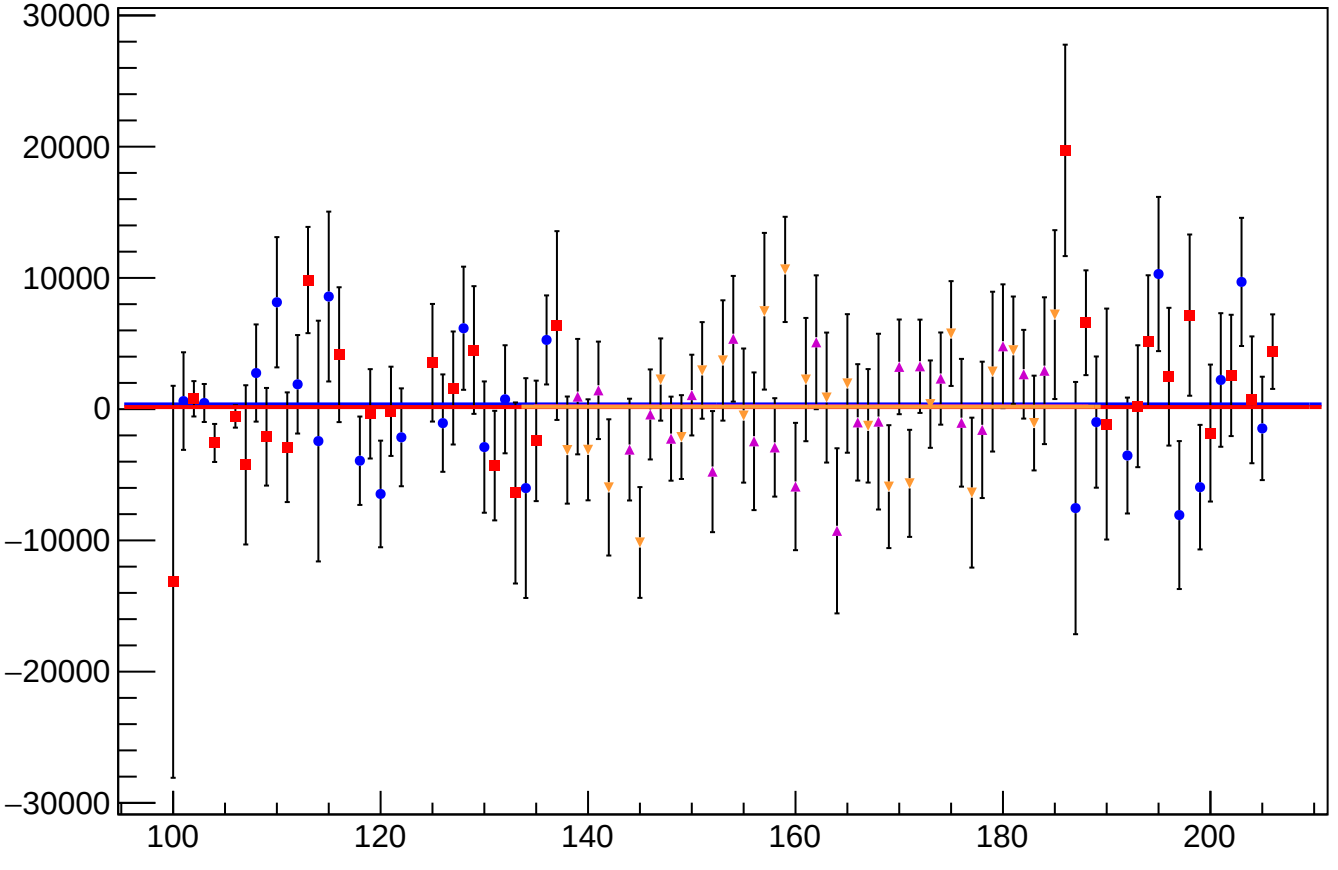
Right: 1156.957+/-0.151 χ^2/NDF: 999477.5/53

In: 1154.901+/-0.144 χ^2/NDF:710257.0/47

Out: 1158.091+/-0.140 χ^2/NDF:439786.0/52

All: 1156.540+/-0.101 χ^2/NDF: 1150294.3/10

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 360.741+/-775.987 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 158.439+/-526.107 χ^2/NDF: 31.3/28

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

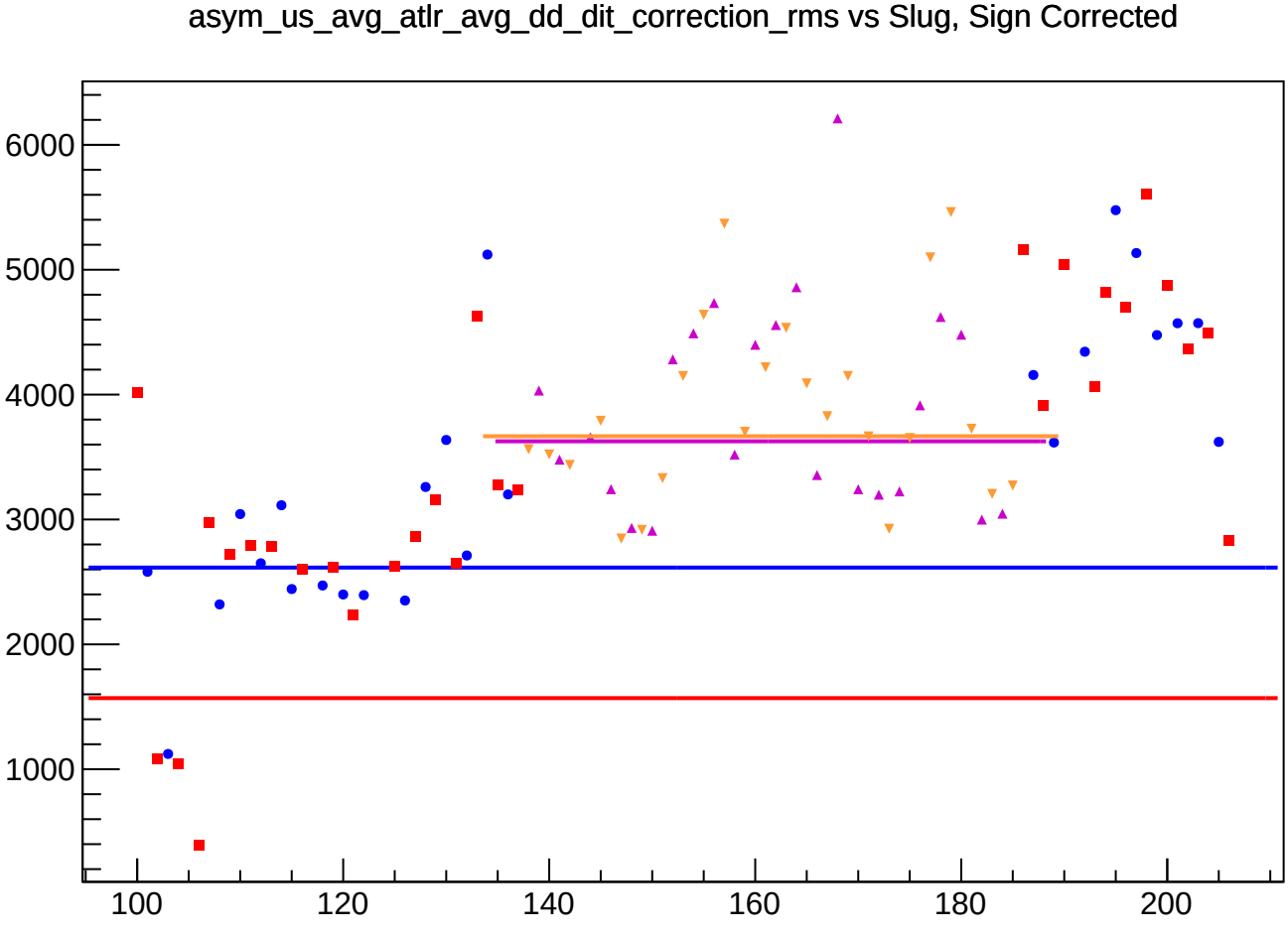
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

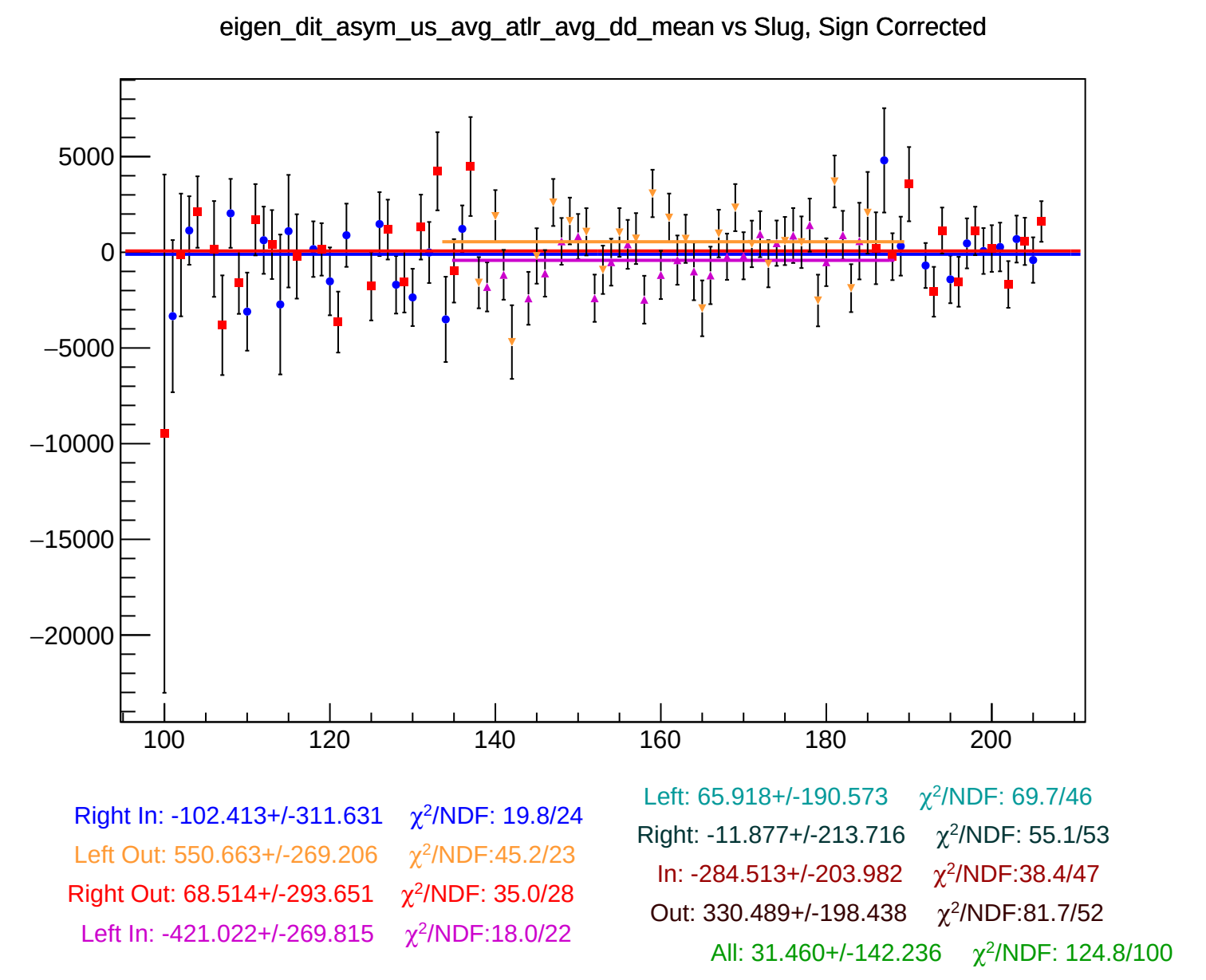
Right: 222.146+/-435.459 χ^2/NDF: 58.2/53

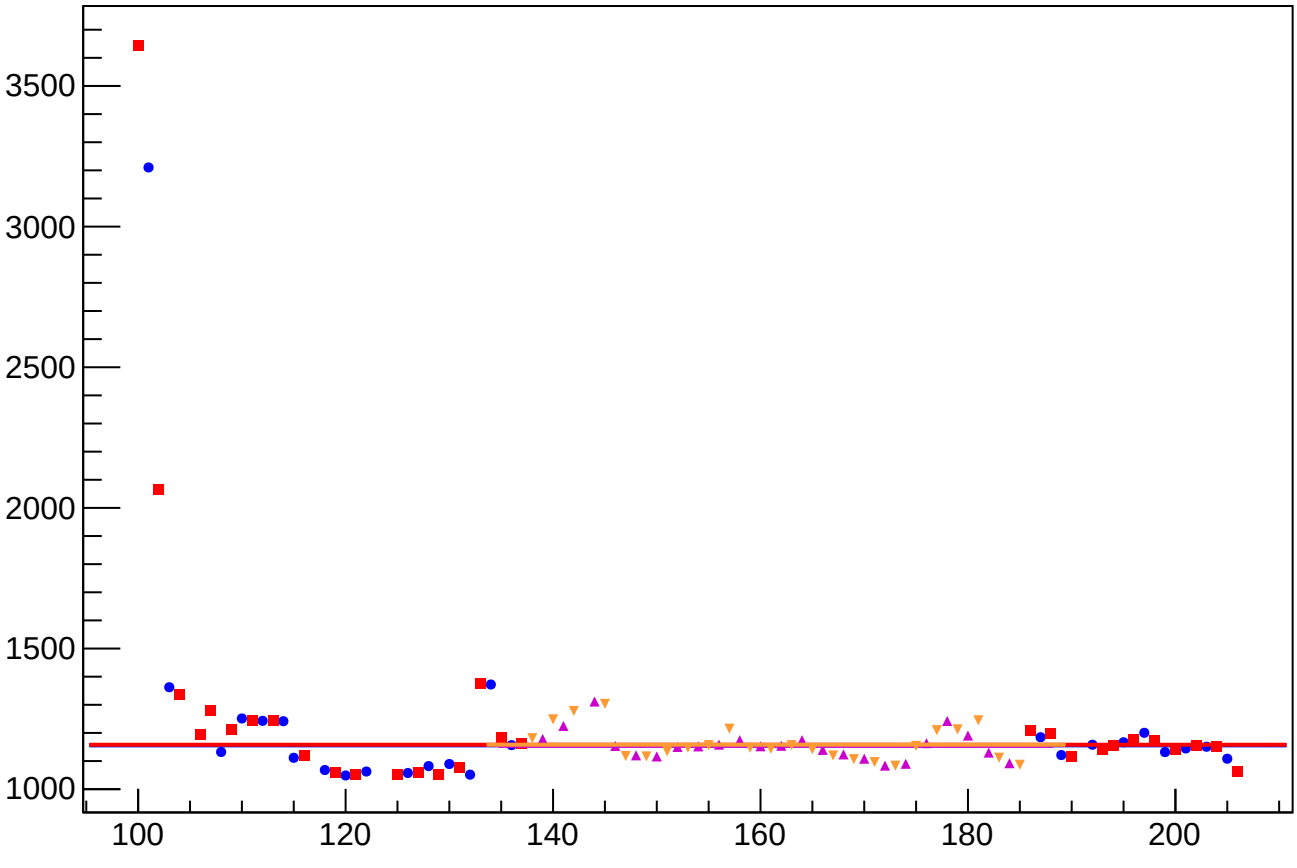
In: 298.572+/-577.553 χ^2/NDF:40.2/47

Out: 166.827+/-450.114 χ^2/NDF:60.5/52

All: 216.610+/-355.028 χ^2/NDF: 100.8/100


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2614.840+/-0.549 χ²/NDF: 4916092.1/24
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1569.259+/-0.372 χ²/NDF: 13851257.2/28
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1898.523+/-0.308 χ²/NDF: 21254971.6/53
In: 3065.835+/-0.408 χ²/NDF:7688582.5/47
Out: 2131.379+/-0.318 χ²/NDF:23465663.2/52
All: 2484.481+/-0.251 χ²/NDF: 34411453.2/1


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -102.413+/-311.631 χ²/NDF: 19.8/24
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 68.514+/-293.651 χ²/NDF: 35.0/28
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -11.877+/-213.716 χ²/NDF: 55.1/53
In: -284.513+/-203.982 χ²/NDF:38.4/47
Out: 330.489+/-198.438 χ²/NDF:81.7/52
All: 31.460+/-142.236 χ²/NDF: 124.8/100



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.6/24

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.6/28

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

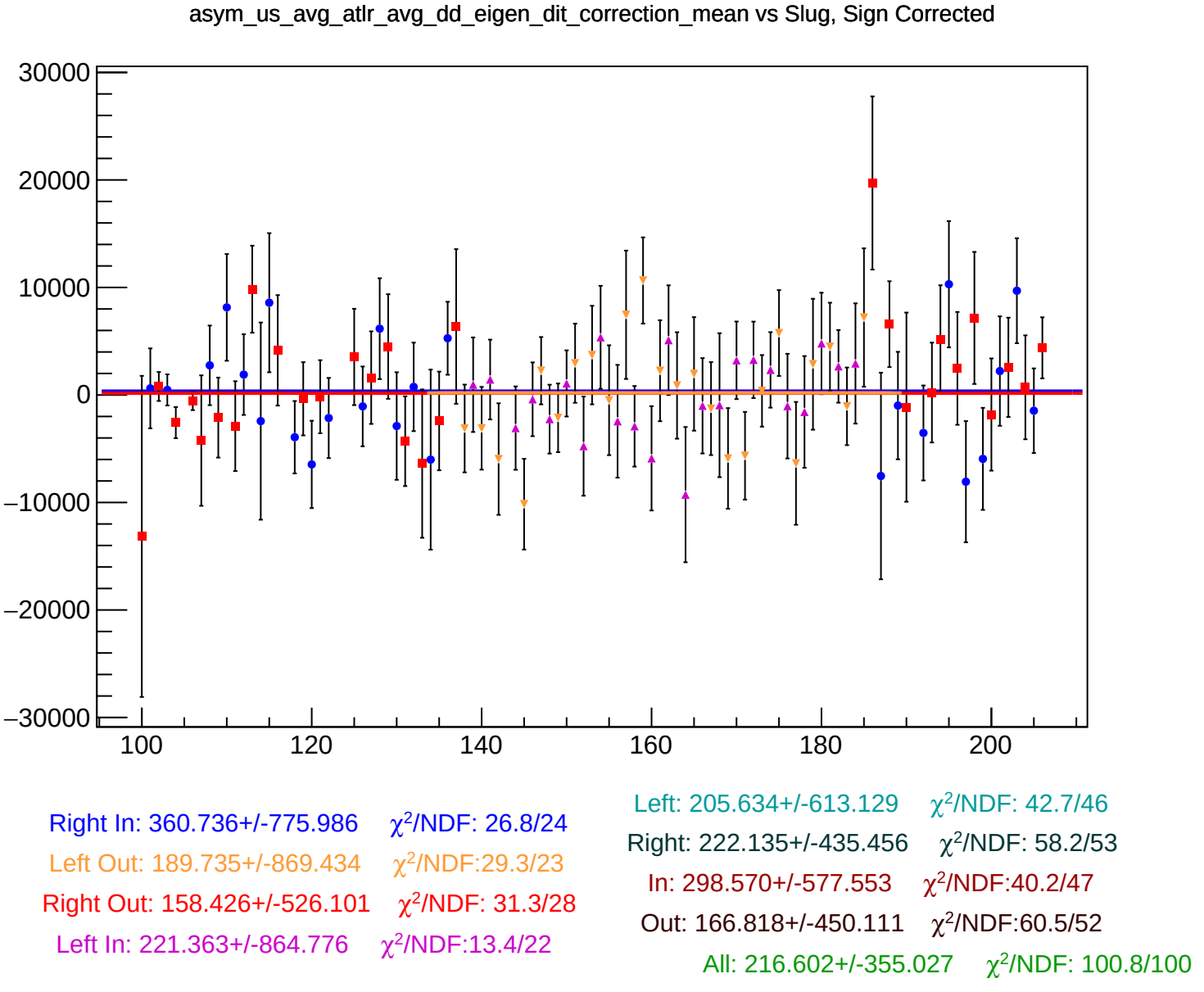
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1156.957+/-0.151 χ^2/NDF: 999477.7/53

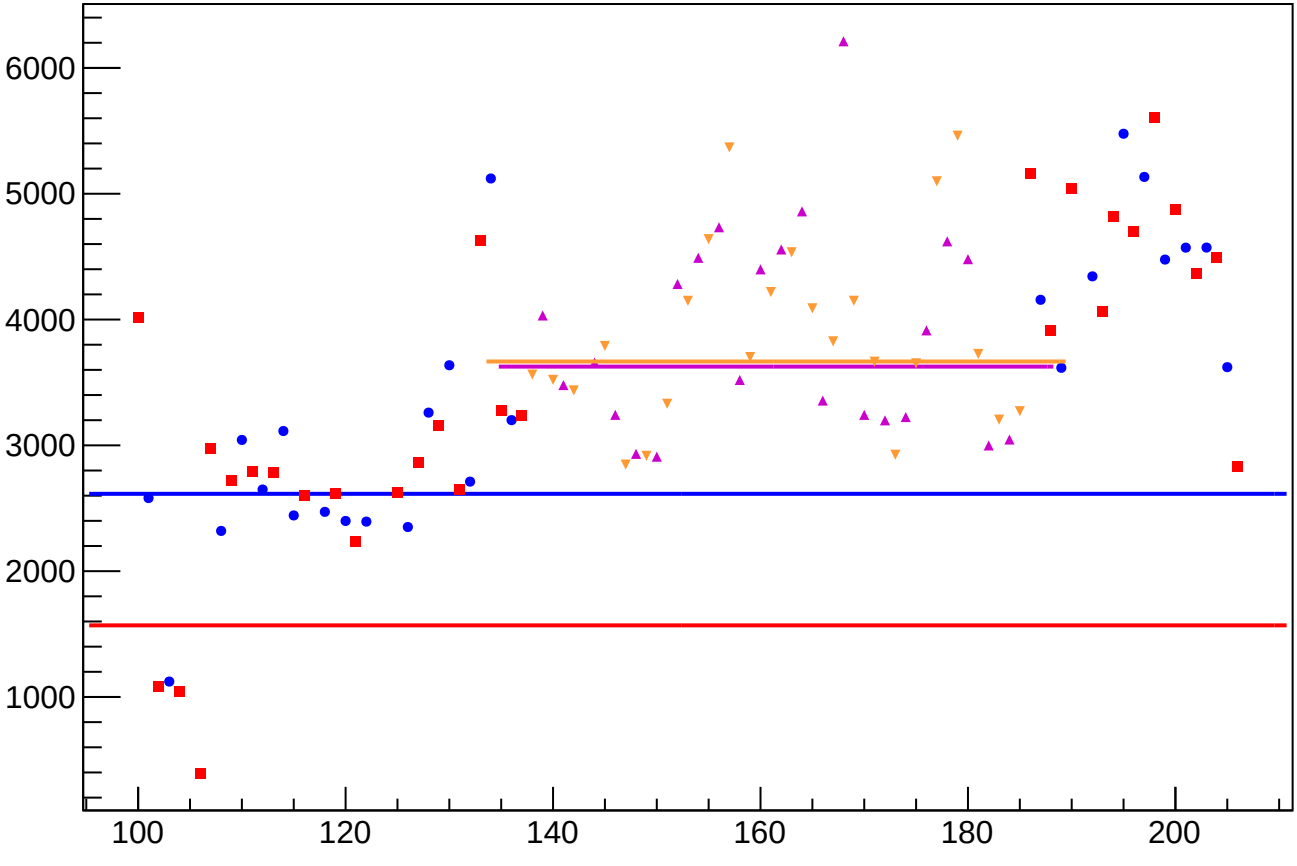
In: 1154.902+/-0.144 χ^2/NDF:710259.9/47

Out: 1158.091+/-0.140 χ^2/NDF:439788.3/52

All: 1156.541+/-0.101 χ^2/NDF: 1150299.5/10


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 360.736+/-775.986 χ²/NDF: 26.8/24
Left Out: 189.735+/-869.434 χ²/NDF:29.3/23
Right Out: 158.426+/-526.101 χ²/NDF: 31.3/28
Left In: 221.363+/-864.776 χ²/NDF:13.4/22
Left: 205.634+/-613.129 χ²/NDF: 42.7/46
Right: 222.135+/-435.456 χ²/NDF: 58.2/53
In: 298.570+/-577.553 χ²/NDF:40.2/47
Out: 166.818+/-450.111 χ²/NDF:60.5/52
All: 216.602+/-355.027 χ²/NDF: 100.8/100

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2614.837+/-0.549 χ^2/NDF: 4916108.8/24

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1569.231+/-0.372 χ^2/NDF: 13851533.5/28

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

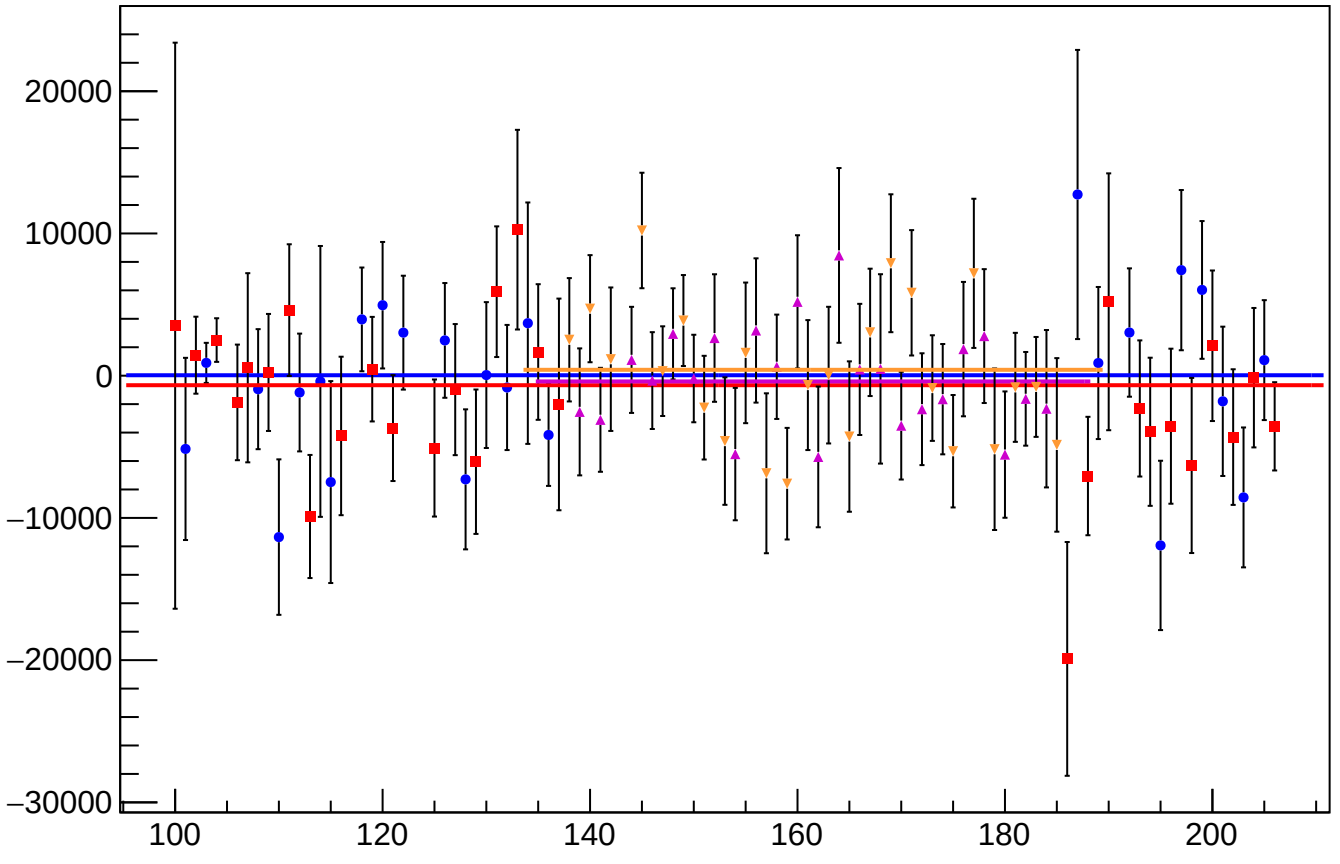
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1898.498+/-0.308 χ^2/NDF: 21255403.3/53

In: 3065.834+/-0.408 χ^2/NDF:7688627.1/47

Out: 2131.350+/-0.318 χ^2/NDF:23466244.5/52

All: 2484.460+/-0.251 χ^2/NDF: 34412292.7/1



Right In: 31.243+/-813.879 χ^2/NDF: 26.3/24

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -669.500+/-768.299 χ^2/NDF: 30.5/28

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

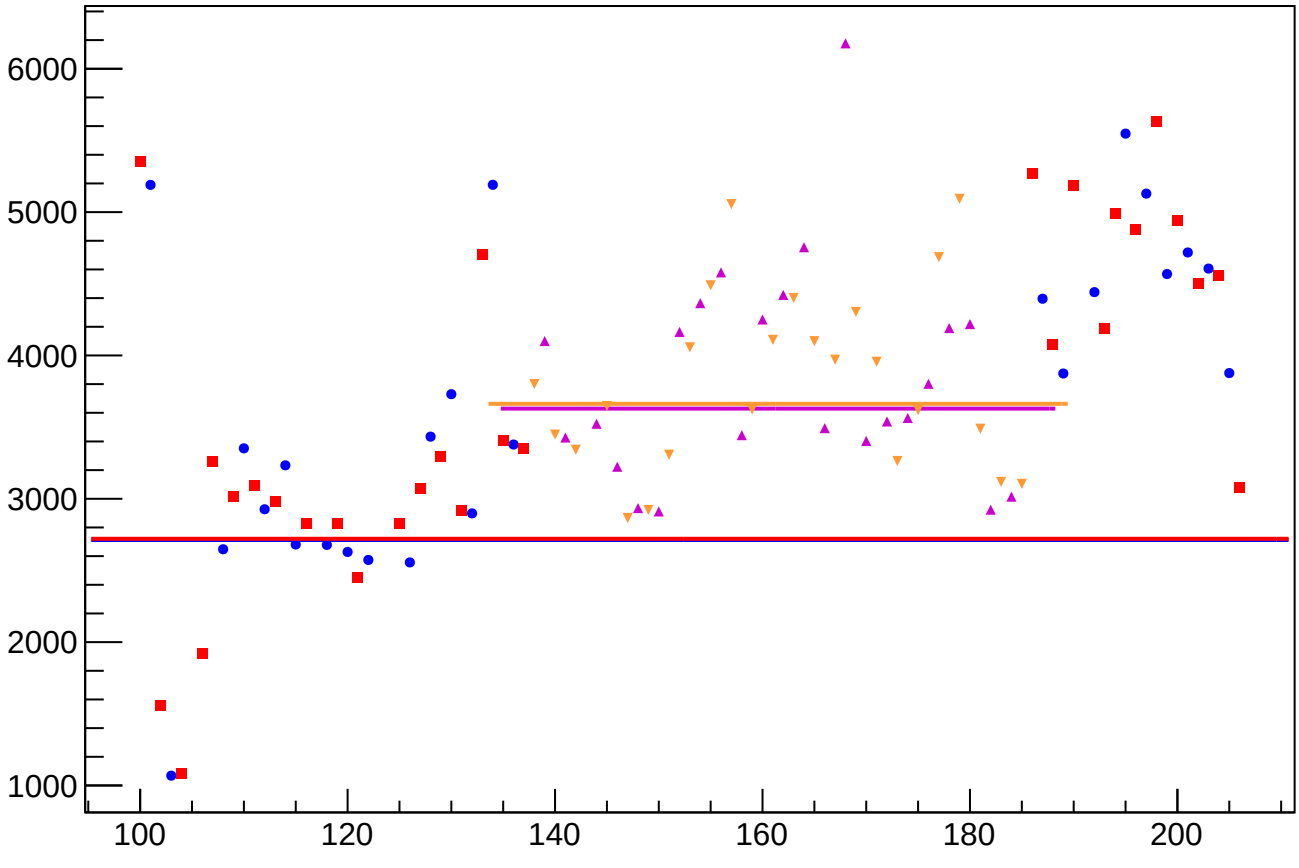
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -339.299+/-558.689 χ^2/NDF: 57.2/53

In: -173.566+/-591.922 χ^2/NDF:38.8/47

Out: -192.103+/-574.525 χ^2/NDF:58.5/52

All: -183.111+/-412.264 χ^2/NDF: 97.3/100



Right In: 2712.682+/-0.575 χ^2/NDF: 5733711.1/24

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2721.014+/-0.542 χ^2/NDF: 5908909.0/28

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

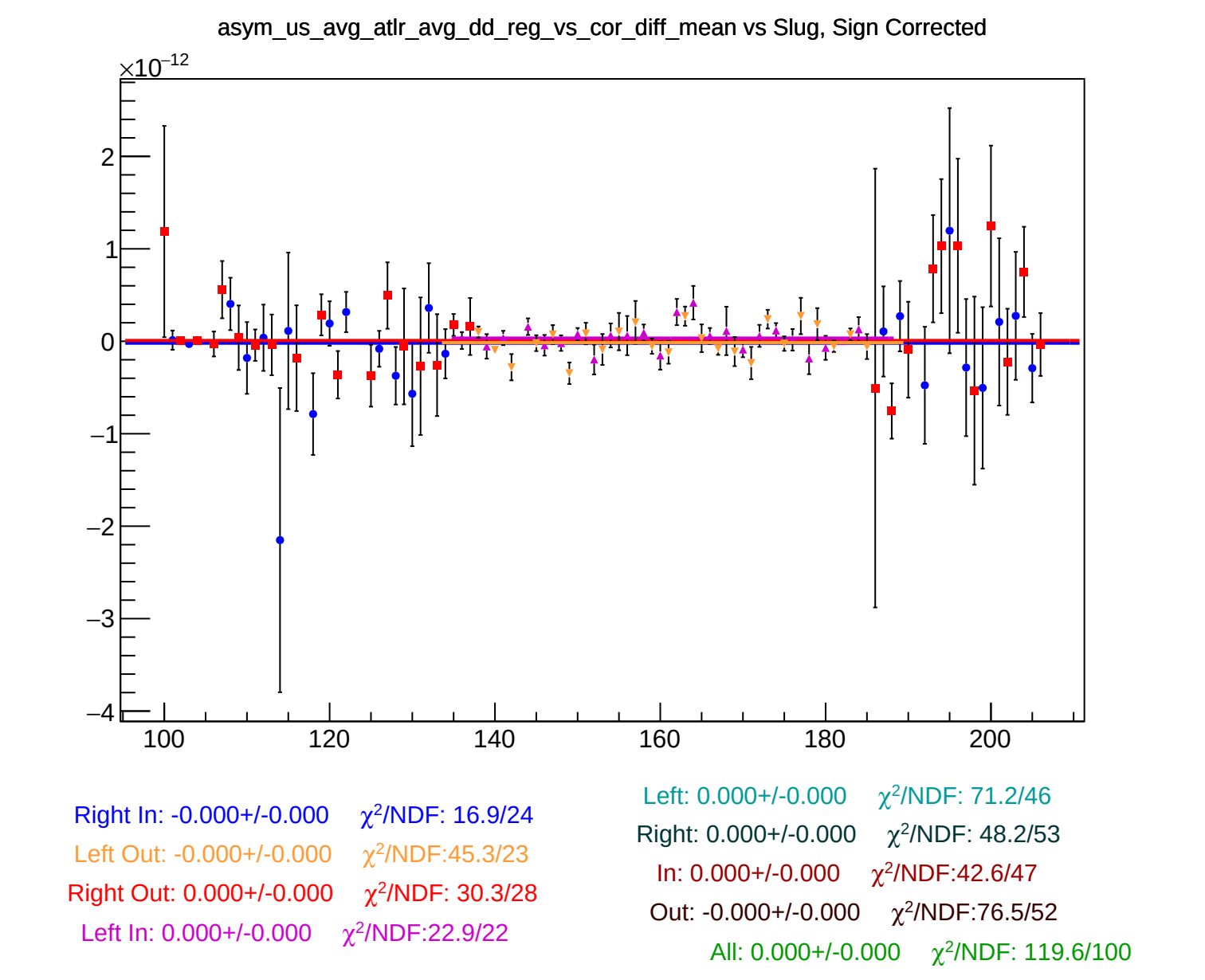
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2717.095+/-0.395 χ^2/NDF: 11642731.1/53

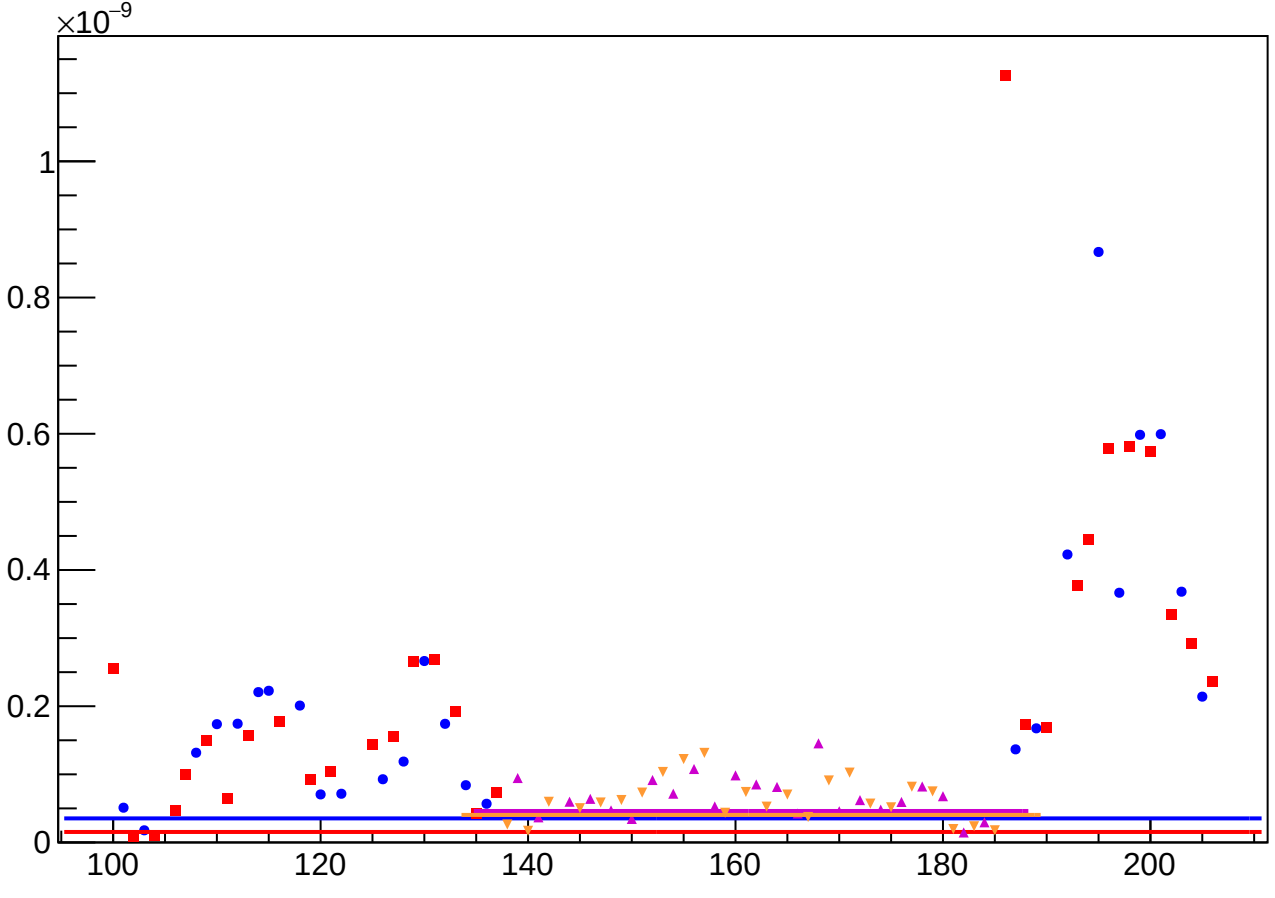
In: 3144.405+/-0.419 χ^2/NDF:7983340.2/47

Out: 3135.288+/-0.406 χ^2/NDF:8128770.5/52

All: 3139.706+/-0.291 χ^2/NDF: 16112355.3/1


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.9/24
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 30.3/28
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 48.2/53
In: 0.000+/-0.000 χ²/NDF:42.6/47
Out: -0.000+/-0.000 χ²/NDF:76.5/52
All: 0.000+/-0.000 χ²/NDF: 119.6/100

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7859776.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10620115.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

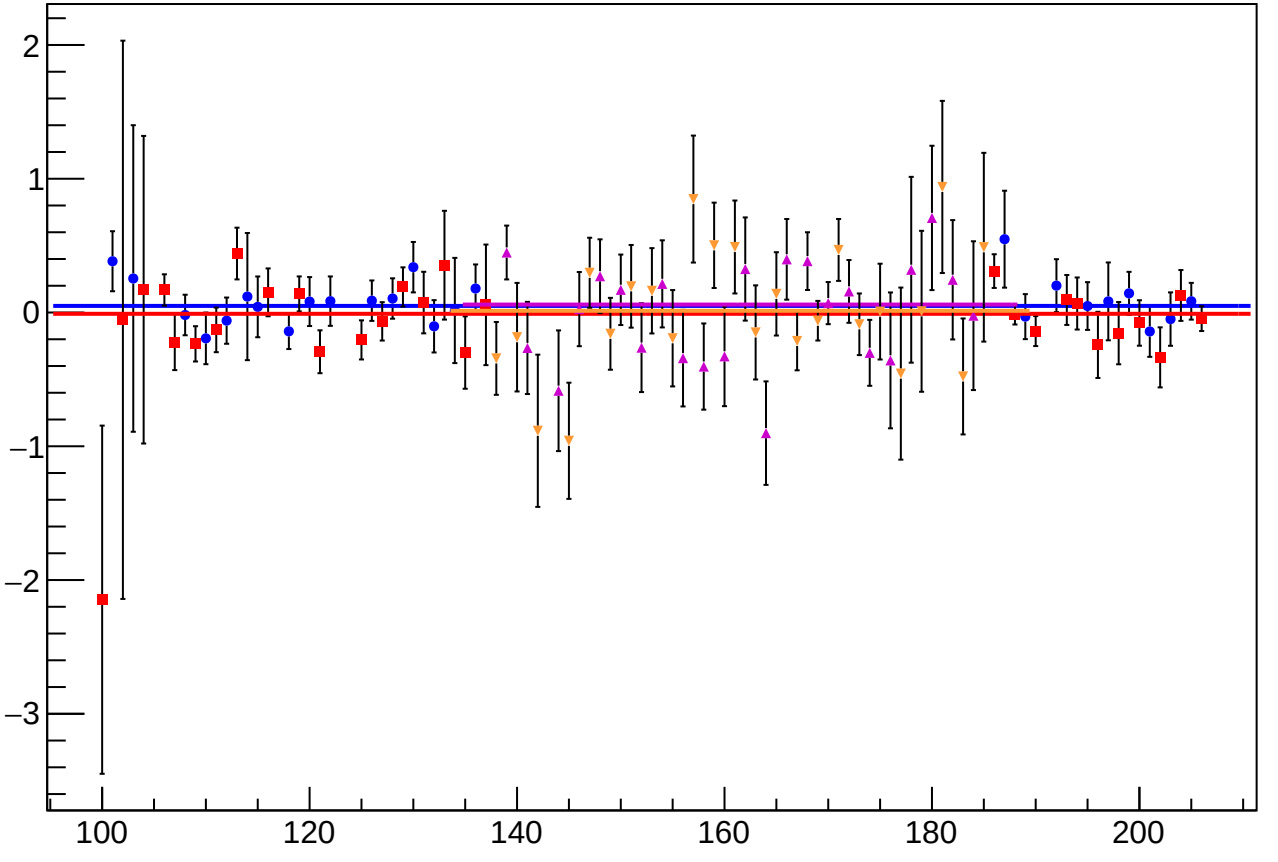
Right: 0.000+/-0.000 χ^2/NDF: 19405254.0/53

In: 0.000+/-0.000 χ^2/NDF:11040486.8/47

Out: 0.000+/-0.000 χ^2/NDF:16264919.5/52

All: 0.000+/-0.000 χ^2/NDF: 28787751.0/100

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

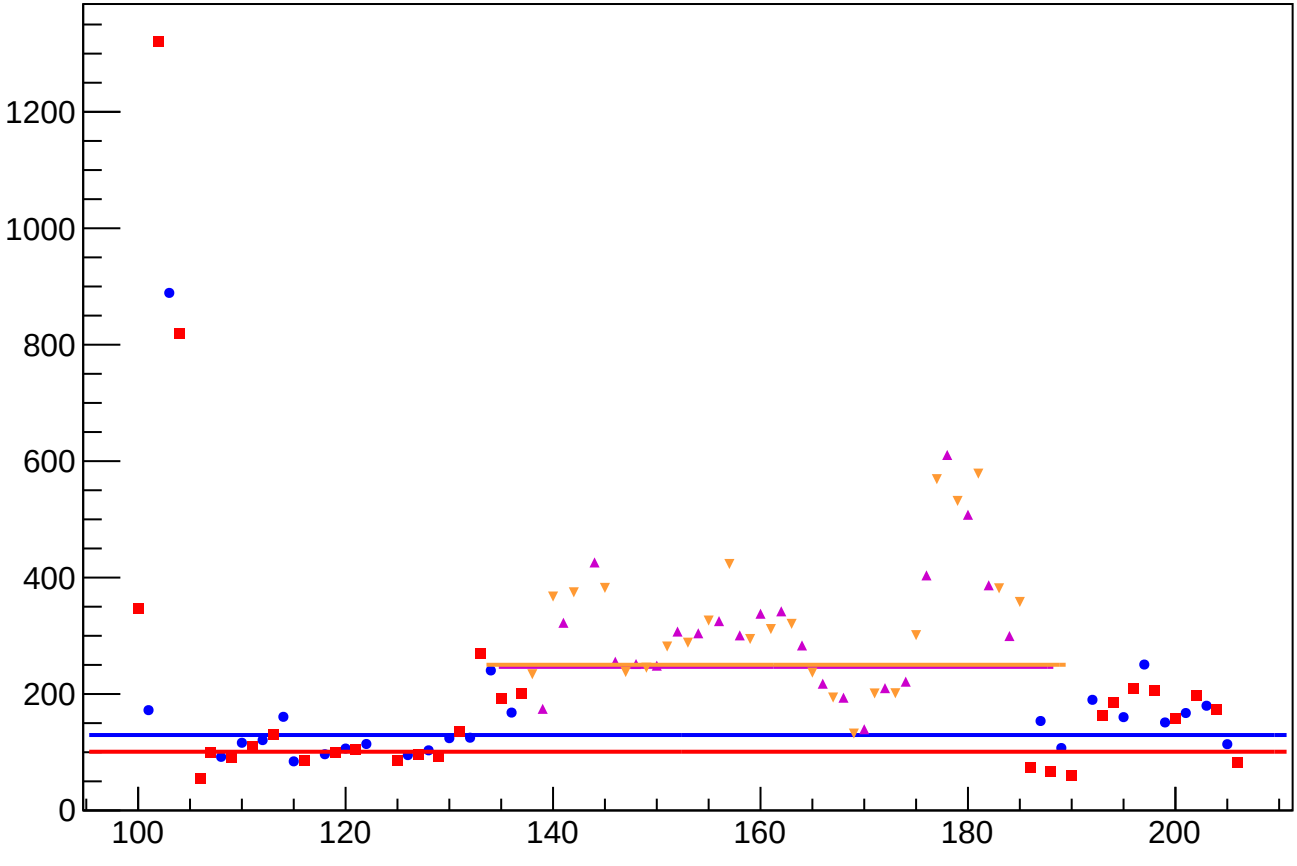
Right: 0.013+/-0.023 χ^2/NDF: 54.7/53

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.018+/-0.021 χ^2/NDF: 112.4/100

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

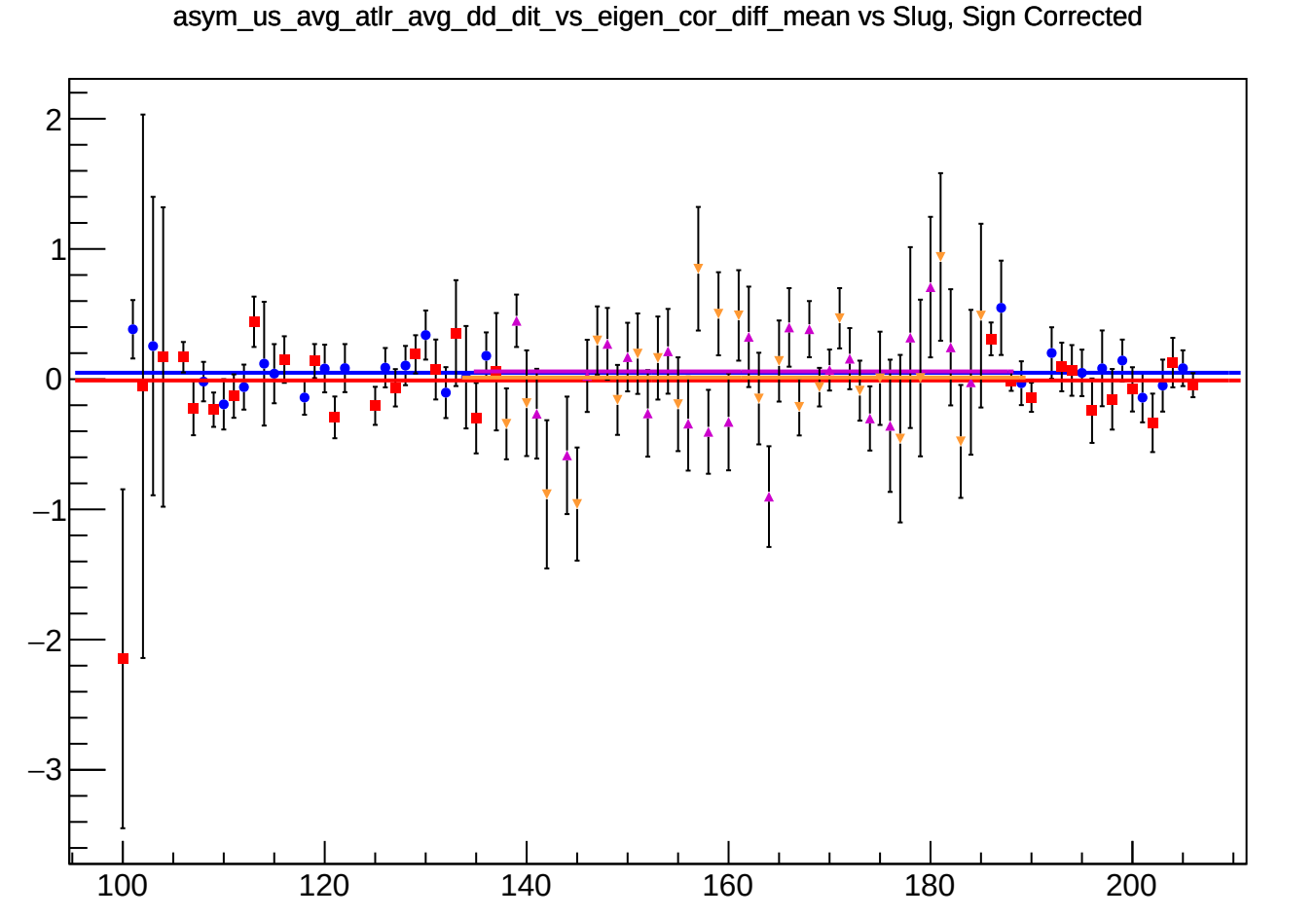
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.742+/-0.016 χ^2/NDF: 9192734.0/53

In: 161.275+/-0.023 χ^2/NDF:11639603.7/47

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 141.393+/-0.015 χ^2/NDF: 32297544.7/10



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

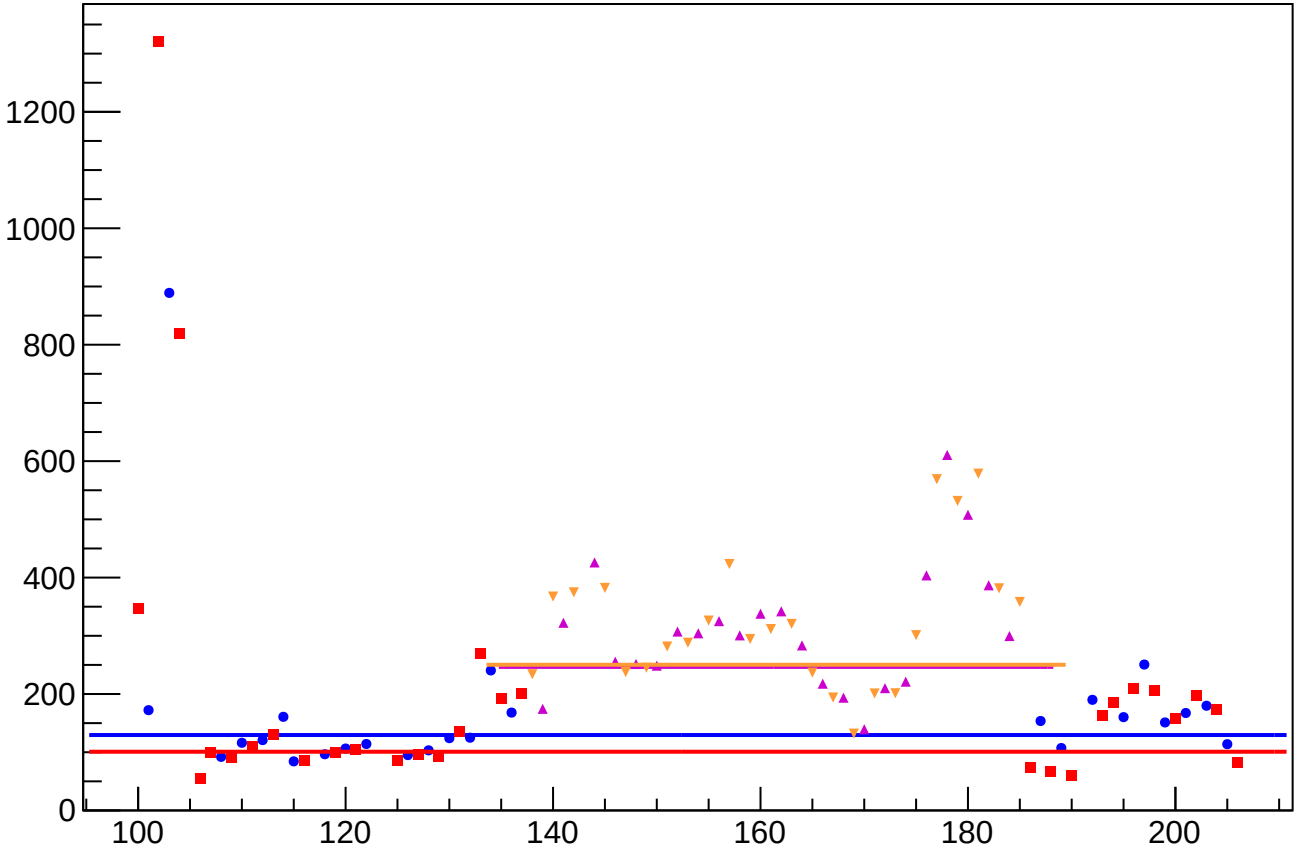
Right: 0.013+/-0.023 χ^2/NDF: 54.7/53

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.018+/-0.021 χ^2/NDF: 112.4/100

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

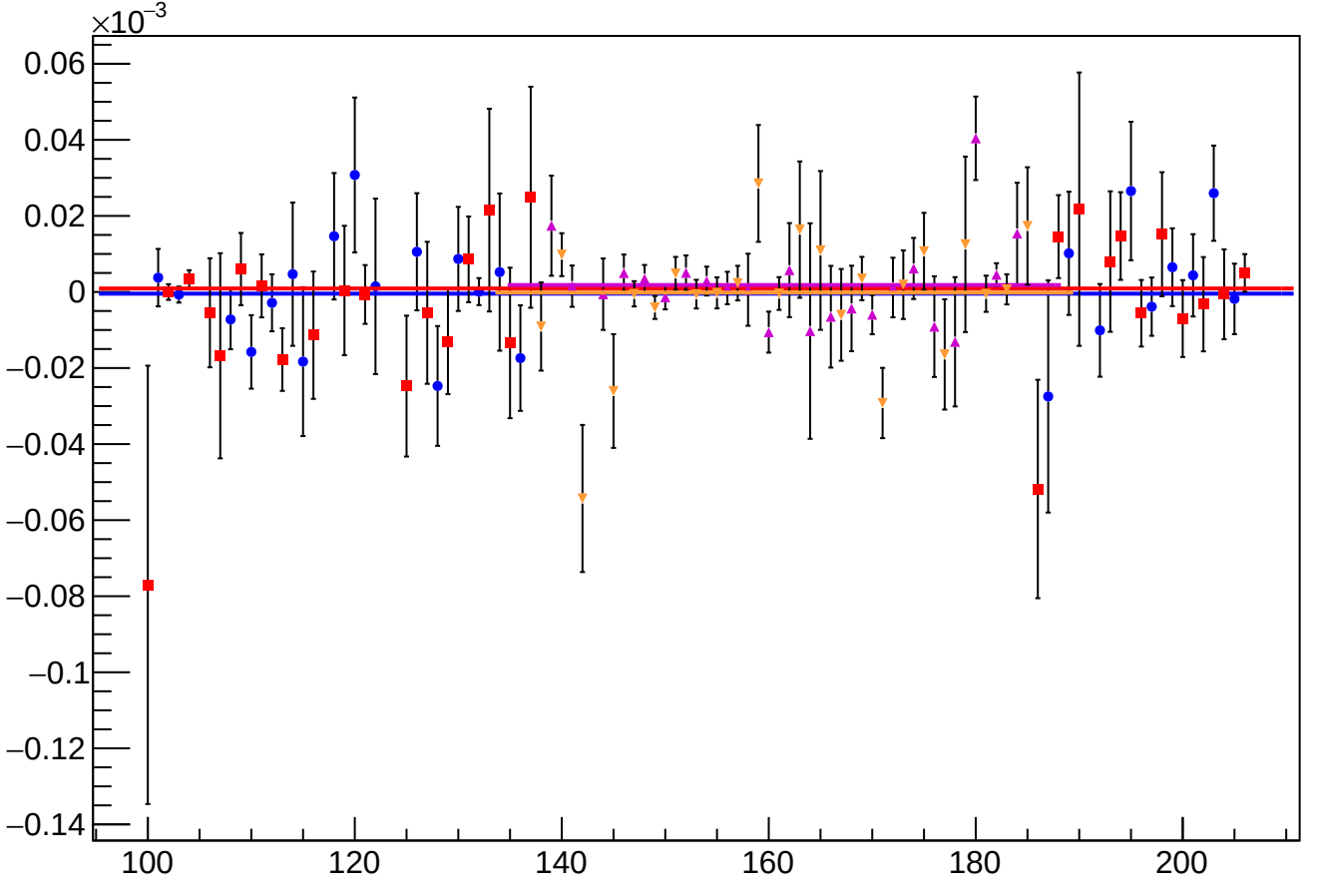
Right: 111.742+/-0.016 χ^2/NDF: 9192734.0/53

In: 161.275+/-0.023 χ^2/NDF:11639603.7/47

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 141.393+/-0.015 χ^2/NDF: 32297544.7/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

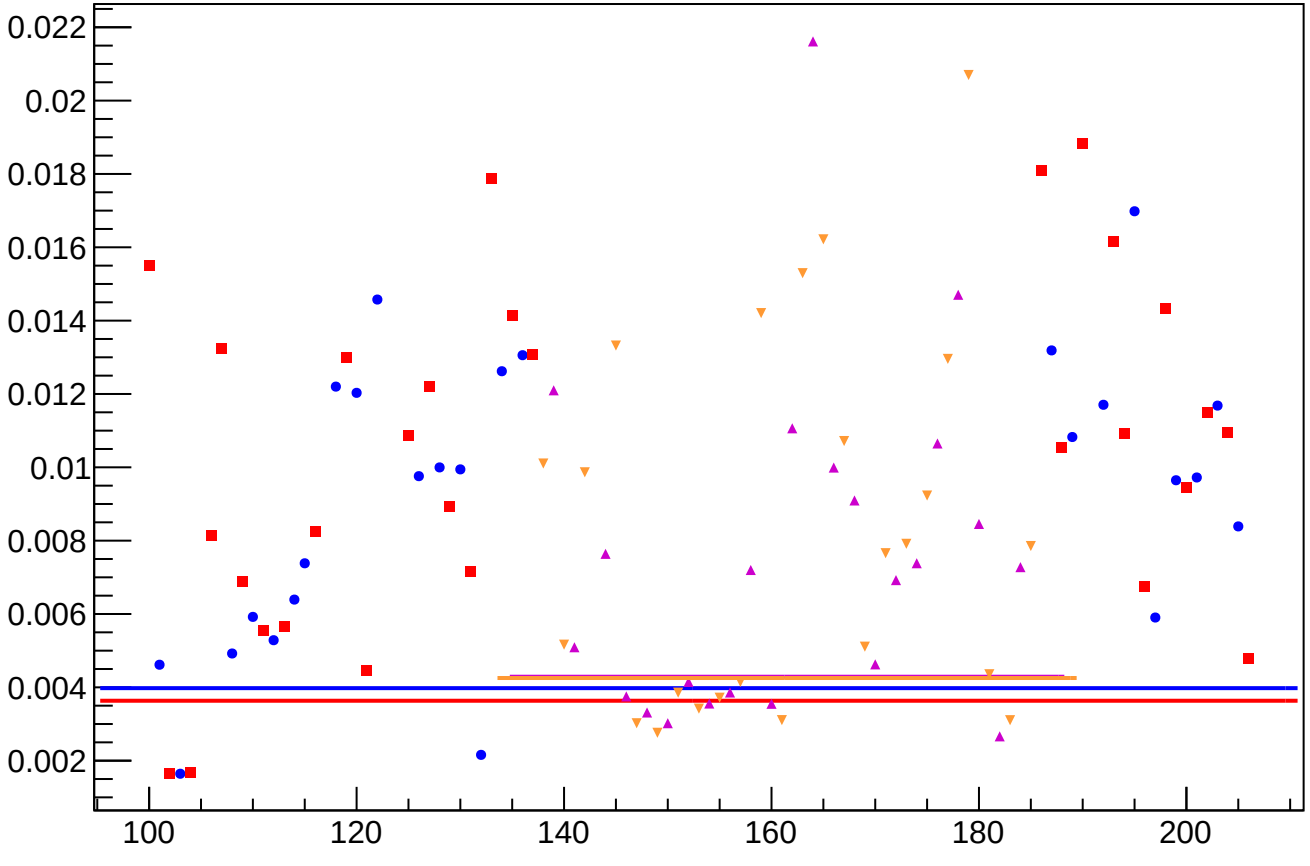
Right: 0.000+/-0.000 χ^2/NDF: 47.3/53

In: 0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:62.3/52

All: 0.000+/-0.000 χ^2/NDF: 114.2/100

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 11504495.3/24

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14400407.2/28

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

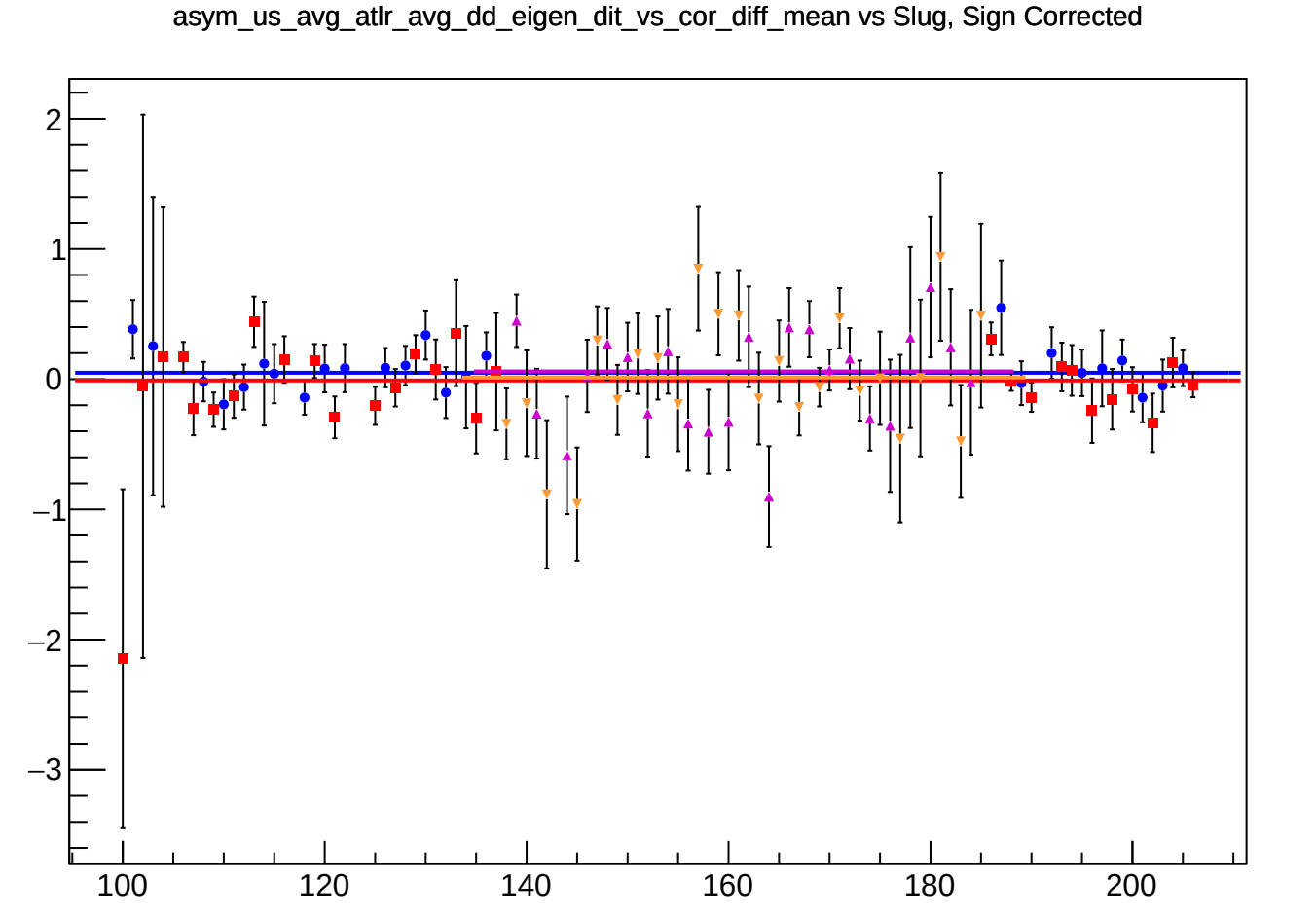
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.004+/-0.000 χ^2/NDF: 25967519.8/53

In: 0.004+/-0.000 χ^2/NDF:18157812.5/47

Out: 0.004+/-0.000 χ^2/NDF:23149507.6/52

All: 0.004+/-0.000 χ^2/NDF: 41354721.0/100



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

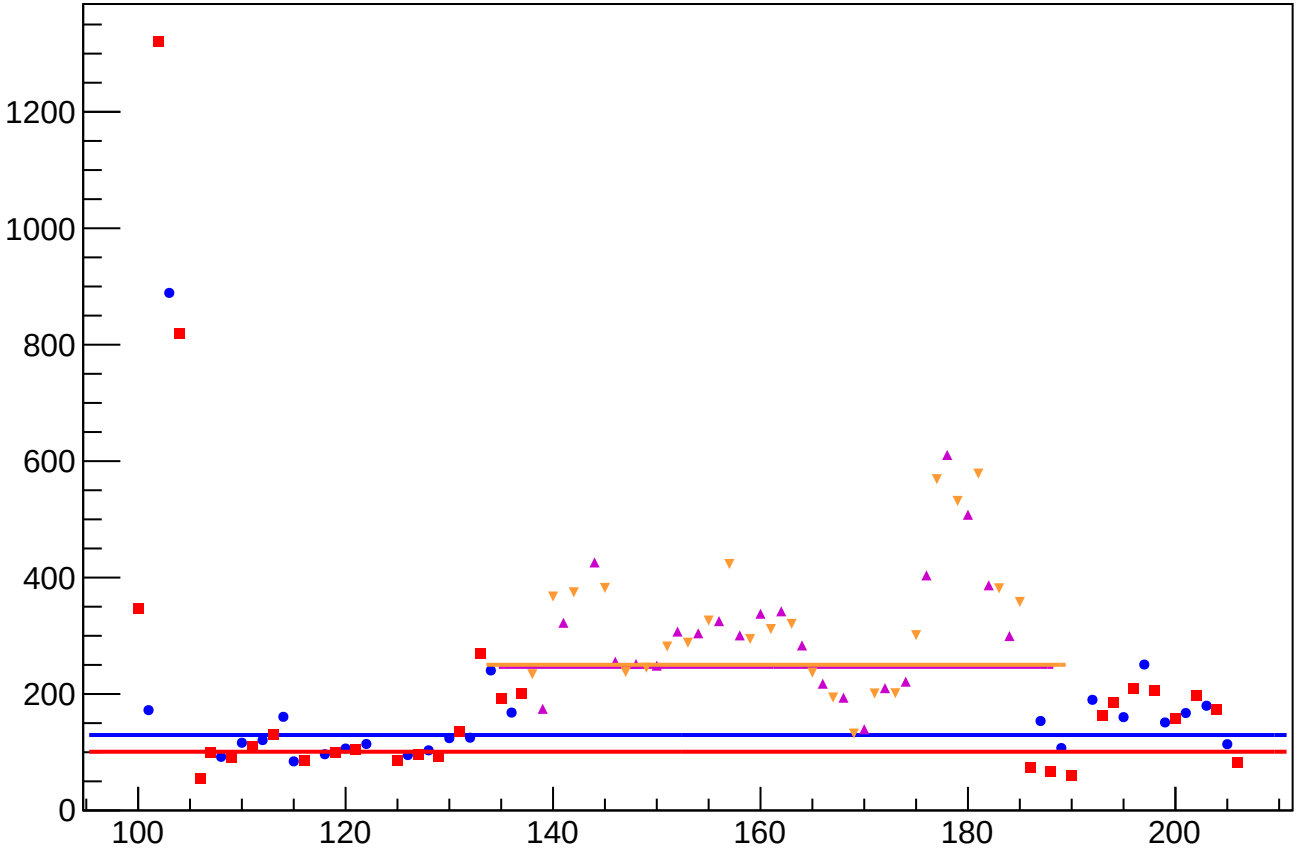
Right: 0.013+/-0.023 χ^2/NDF: 54.7/53

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.018+/-0.021 χ^2/NDF: 112.4/100

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

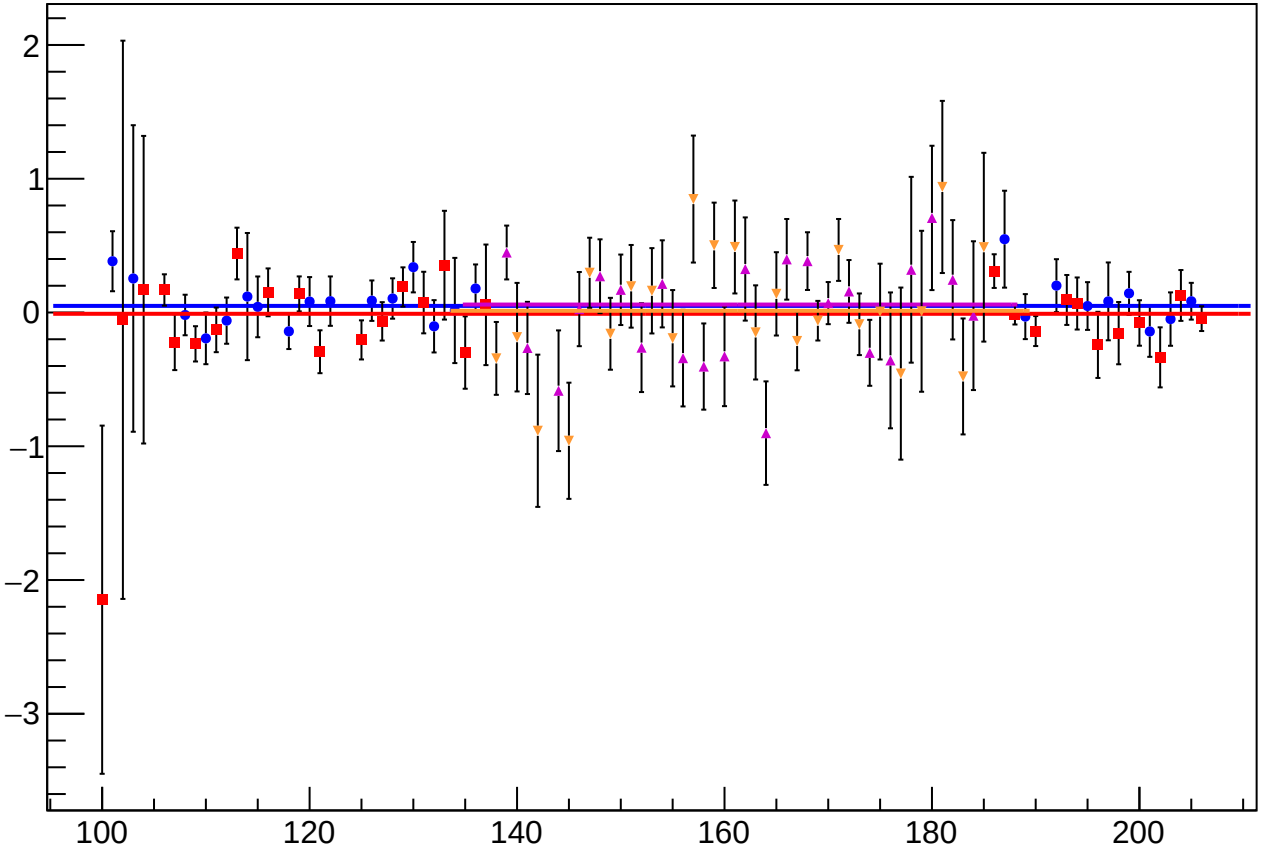
Right: 111.739+/-0.016 χ^2/NDF: 9193514.0/53

In: 161.274+/-0.023 χ^2/NDF:11639897.2/47

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 141.389+/-0.015 χ^2/NDF: 32299484.8/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

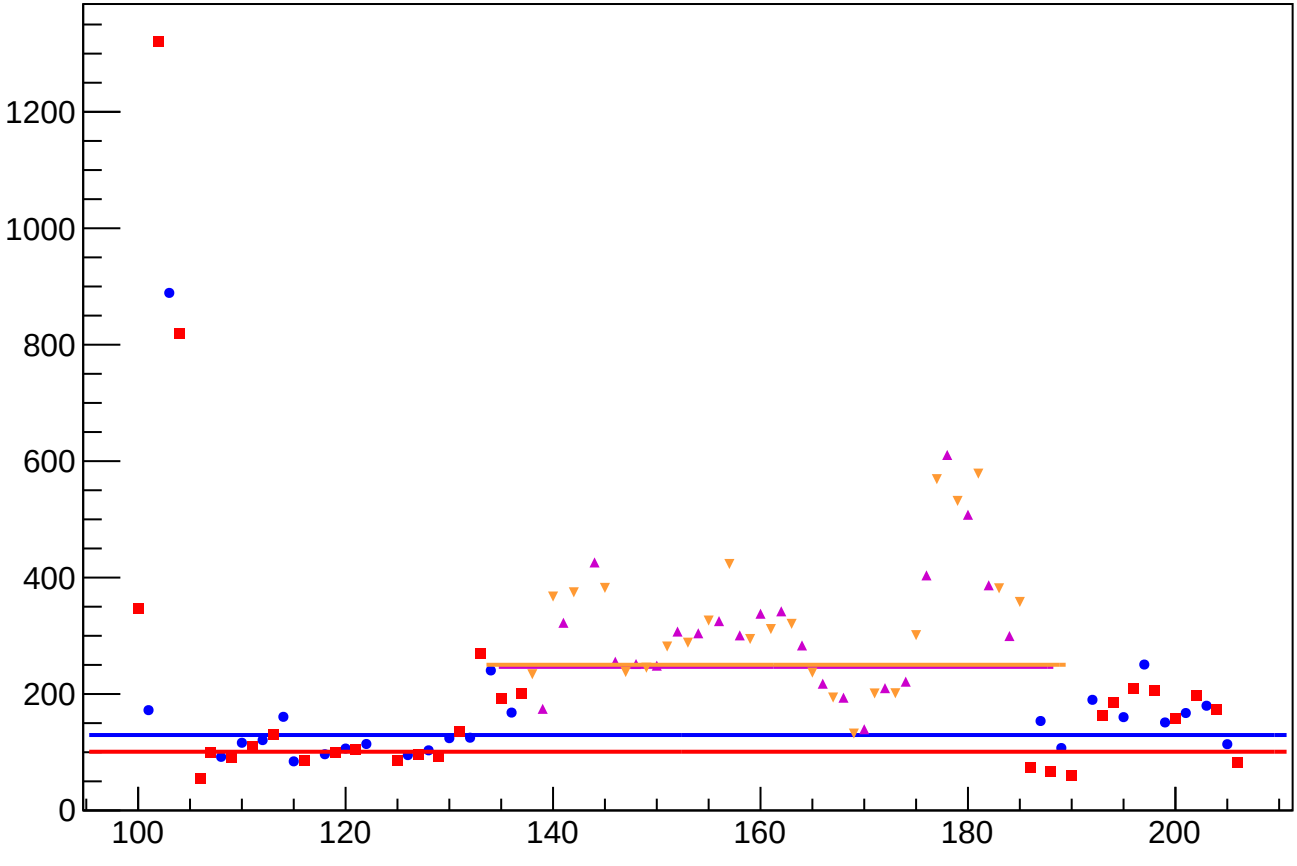
Right: 0.013+/-0.023 χ^2/NDF: 54.7/53

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.018+/-0.021 χ^2/NDF: 112.4/100

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

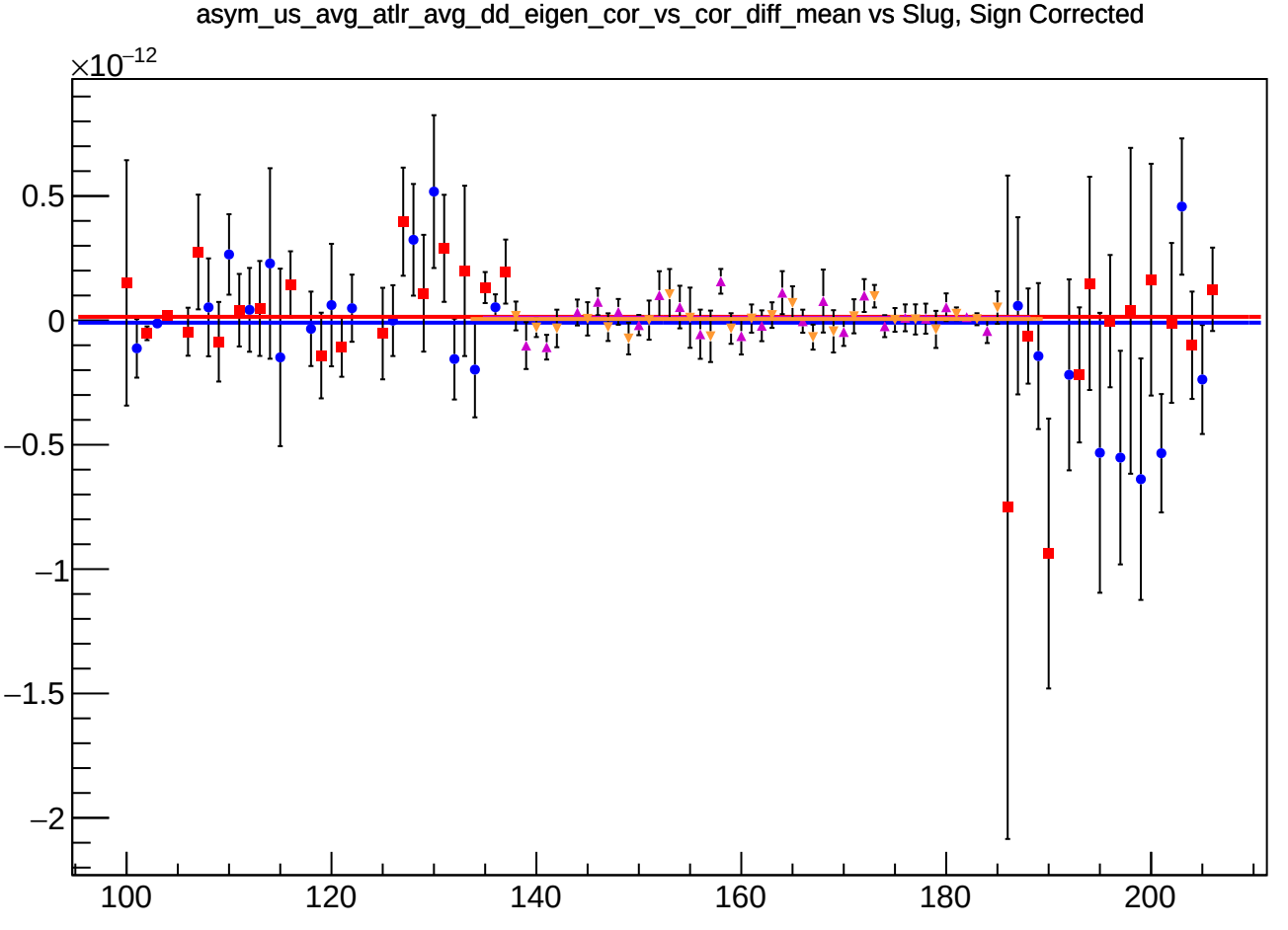
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.739+/-0.016 χ^2/NDF: 9193514.0/53

In: 161.274+/-0.023 χ^2/NDF:11639897.2/47

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 141.389+/-0.015 χ^2/NDF: 32299484.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

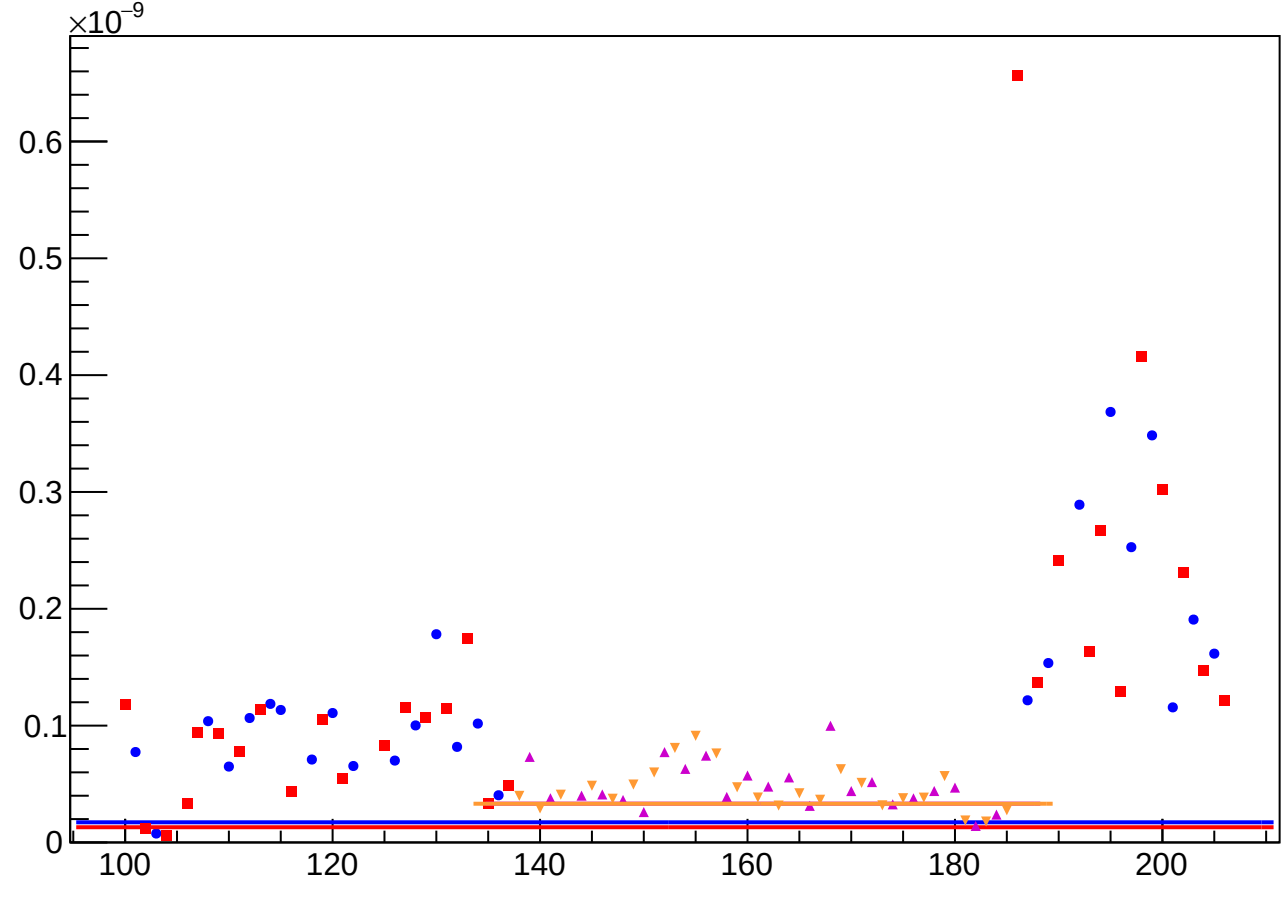
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 56.0/53

In: 0.000+/-0.000 χ^2/NDF:56.0/47

Out: 0.000+/-0.000 χ^2/NDF:41.3/52

All: 0.000+/-0.000 χ^2/NDF: 97.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 11893600.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13361190.1/28

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

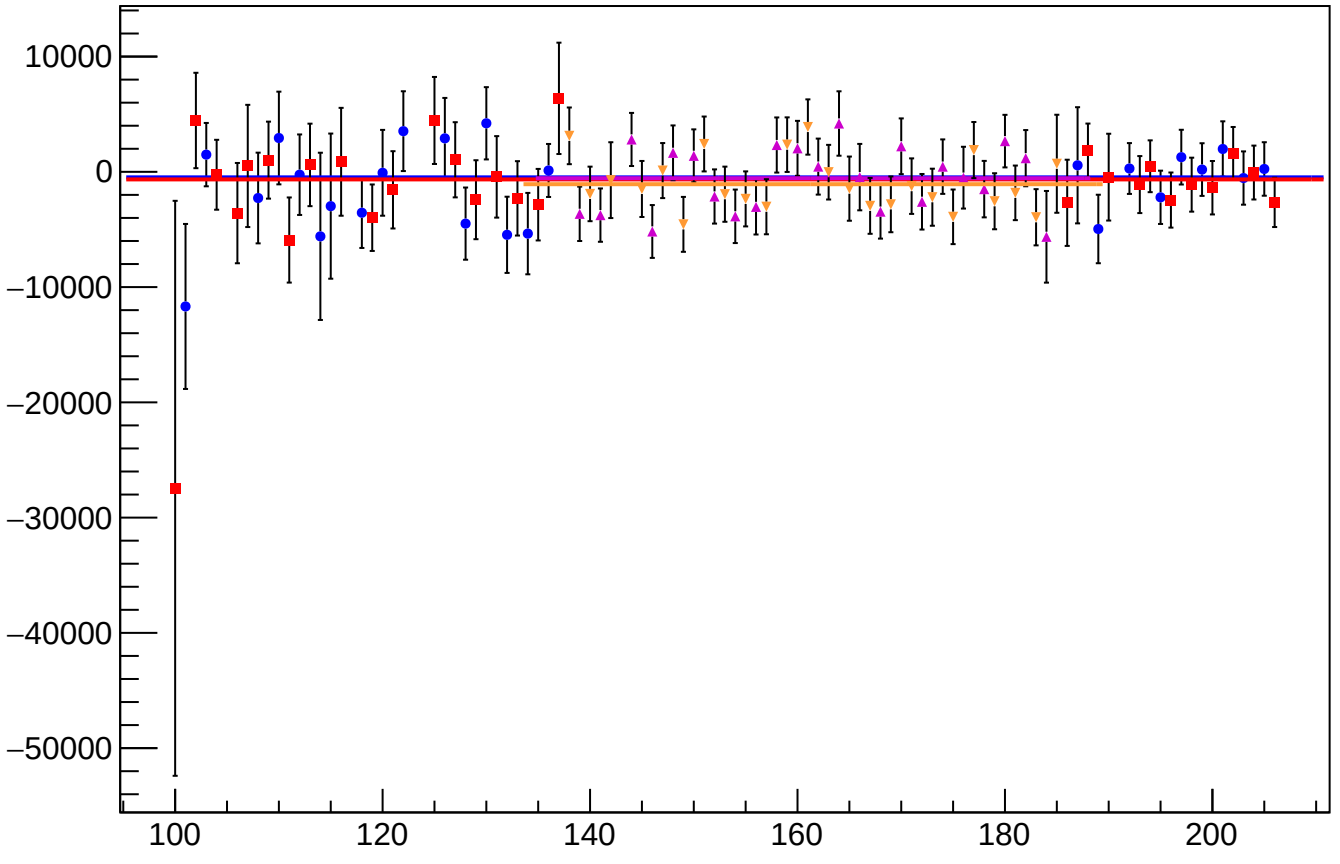
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 25398085.9/53

In: 0.000+/-0.000 χ^2/NDF:18848970.6/47

Out: 0.000+/-0.000 χ^2/NDF:21326272.1/52

All: 0.000+/-0.000 χ^2/NDF: 40469409.3/100



Right In: -479.784+/-600.414 χ^2/NDF: 20.8/24

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -657.050+/-563.439 χ^2/NDF: 16.7/28

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

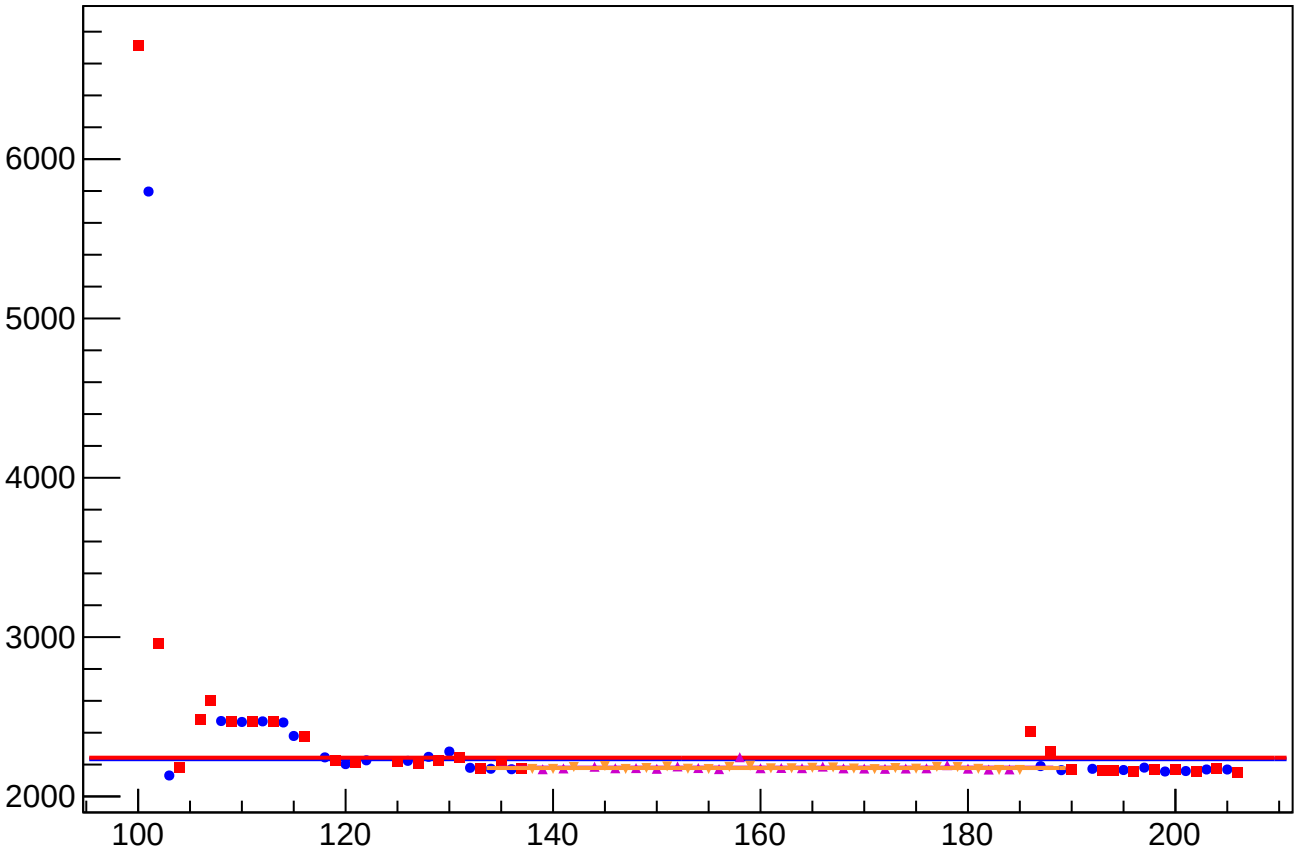
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -574.043+/-410.862 χ^2/NDF: 37.5/53

In: -524.727+/-388.351 χ^2/NDF:49.5/47

Out: -887.415+/-376.279 χ^2/NDF:38.6/52

All: -711.795+/-270.236 χ^2/NDF: 88.5/100



Right In: 2233.715+/-0.425 χ^2/NDF: 540865.9/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.217+/-0.398 χ^2/NDF: 193041.8/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

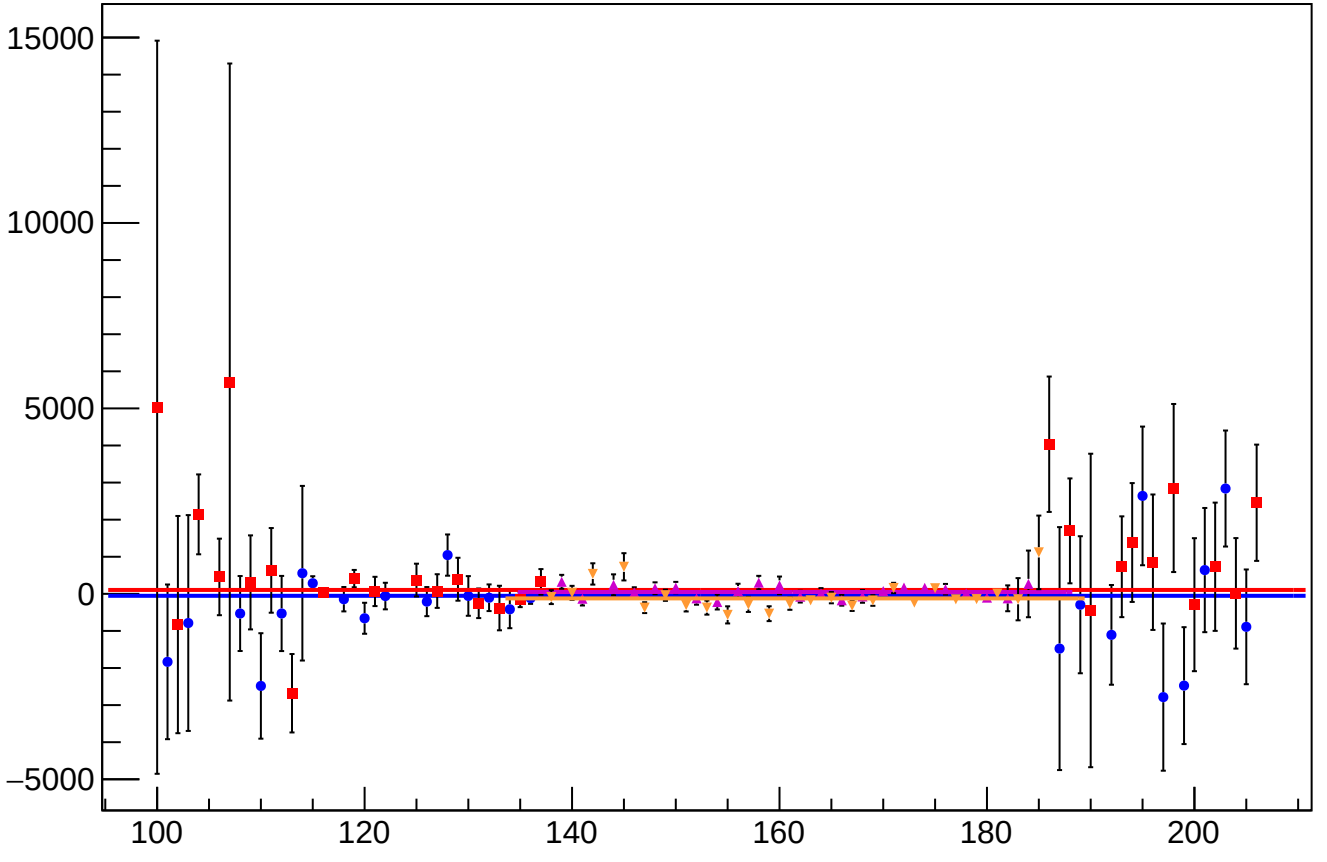
Right: 2238.767+/-0.291 χ^2/NDF: 734174.1/53

In: 2203.006+/-0.275 χ^2/NDF:551726.8/47

Out: 2207.221+/-0.266 χ^2/NDF:208164.7/52

All: 2205.180+/-0.191 χ^2/NDF: 760013.1/100

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -52.924+/-89.784 χ^2/NDF: 25.4/24

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 105.029+/-81.345 χ^2/NDF: 28.6/28

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

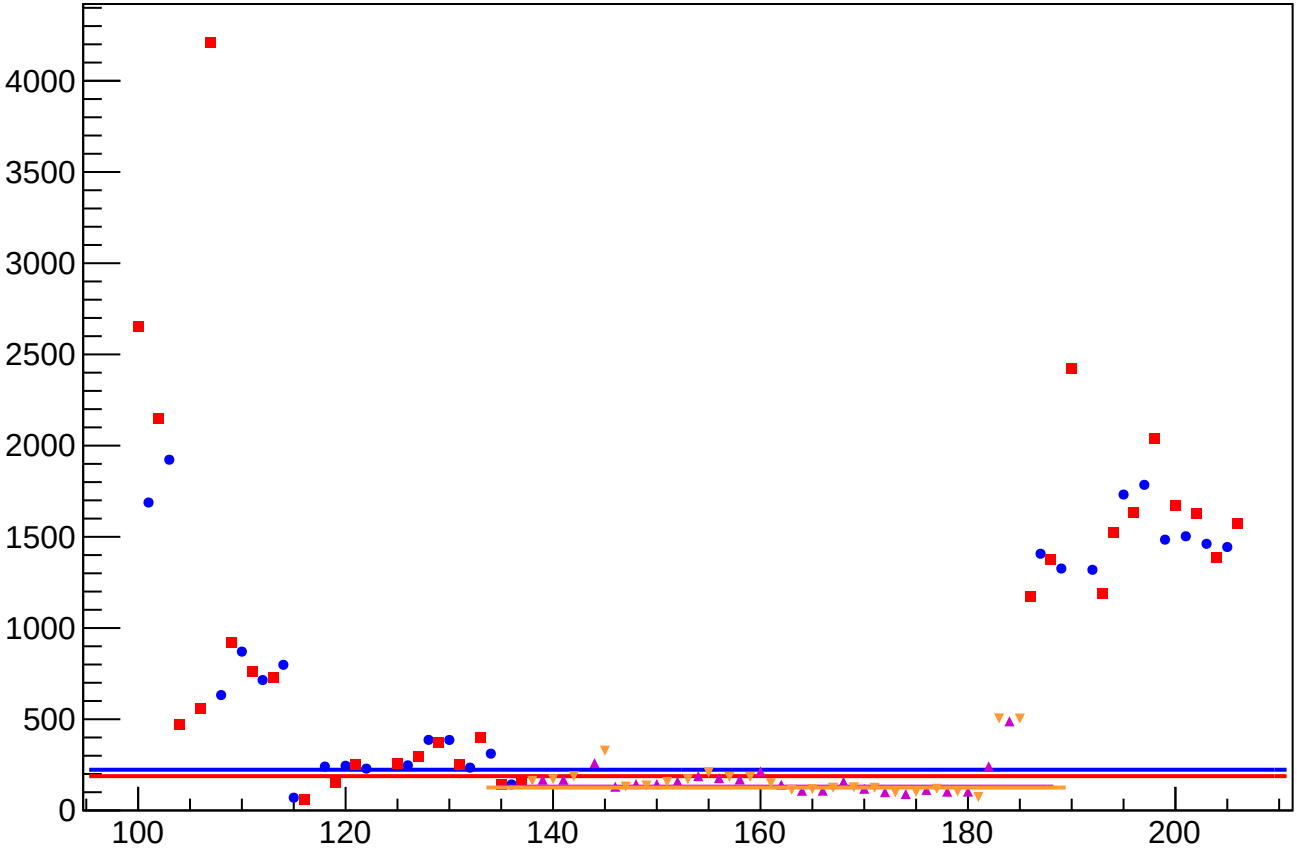
Right: 33.822+/-60.283 χ^2/NDF: 55.7/53

In: 38.327+/-30.597 χ^2/NDF:44.8/47

Out: -93.423+/-29.300 χ^2/NDF:79.3/52

All: -30.399+/-21.162 χ^2/NDF: 133.8/100

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 223.193+/-0.063 χ^2/NDF: 15103920.1/24

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 188.047+/-0.058 χ^2/NDF: 19707808.5/28

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

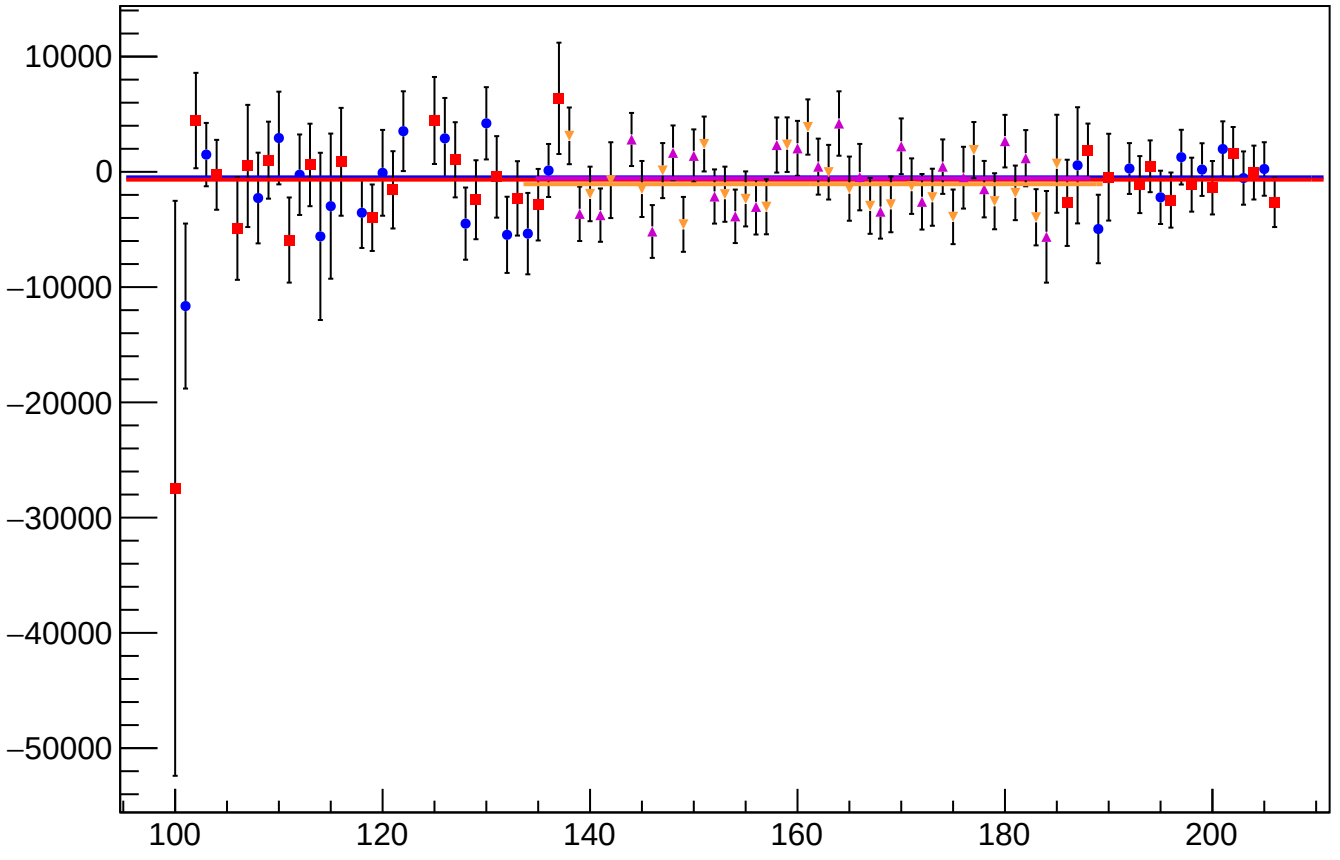
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 203.891+/-0.043 χ^2/NDF: 34980034.6/53

In: 141.208+/-0.022 χ^2/NDF:19670346.0/47

Out: 133.620+/-0.021 χ^2/NDF:24679383.7/52

All: 137.250+/-0.015 χ^2/NDF: 44413898.6/10



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -676.761+/-563.636 χ^2/NDF: 17.2/28

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

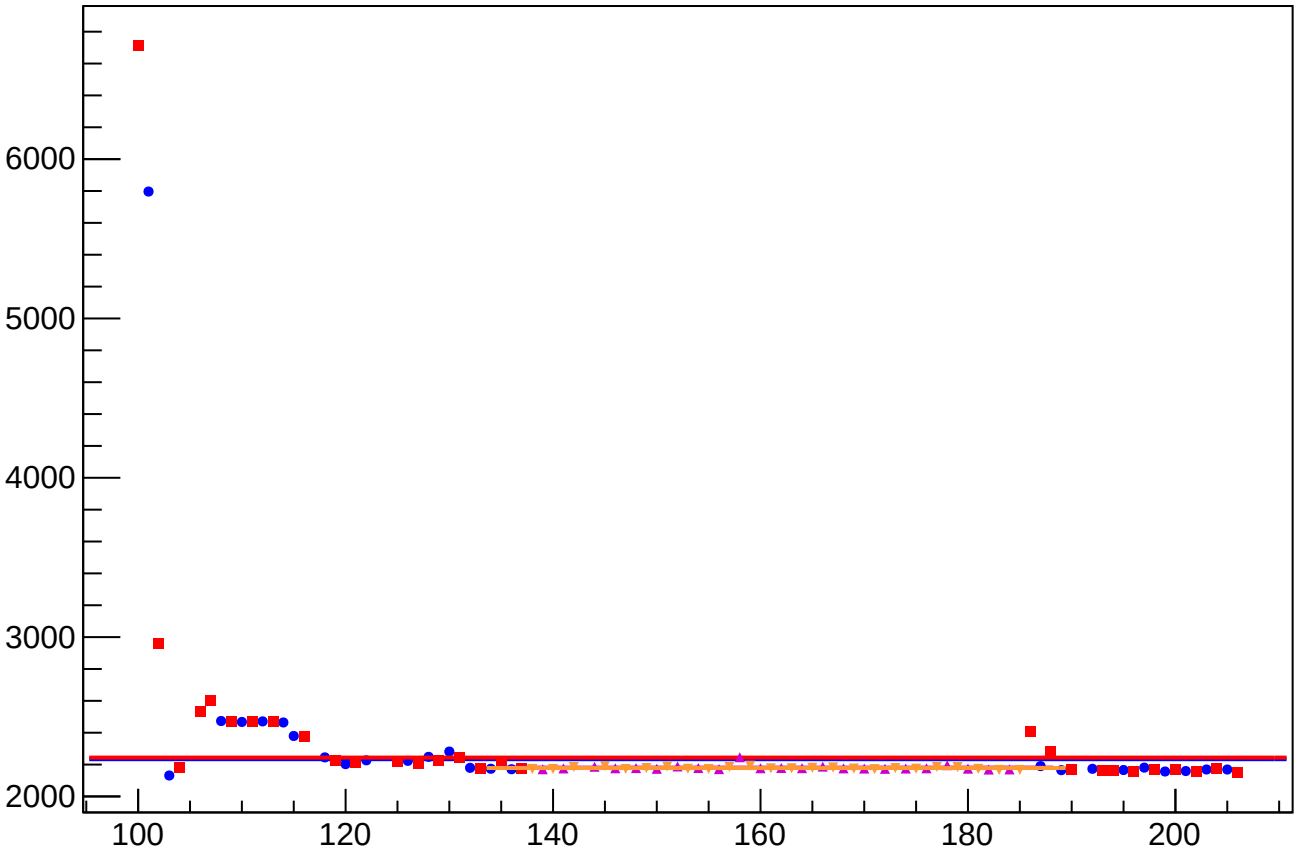
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -584.259+/-410.938 χ^2/NDF: 38.0/53

In: -524.536+/-388.351 χ^2/NDF:49.5/47

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -716.224+/-270.258 χ^2/NDF: 89.0/100



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

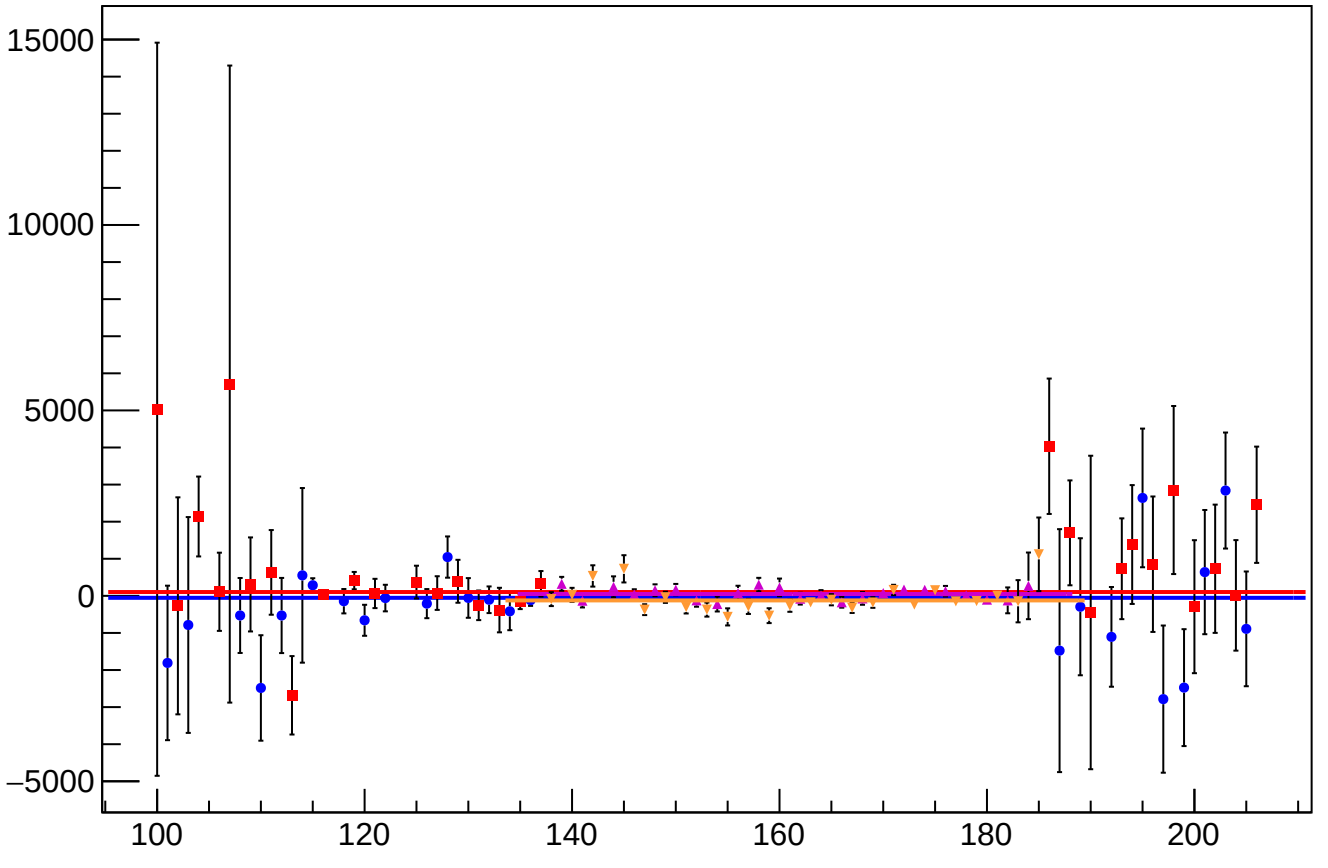
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2239.110+/-0.291 χ^2/NDF: 736687.2/53

In: 2203.006+/-0.275 χ^2/NDF:551727.1/47

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2205.323+/-0.191 χ^2/NDF: 762795.0/100



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

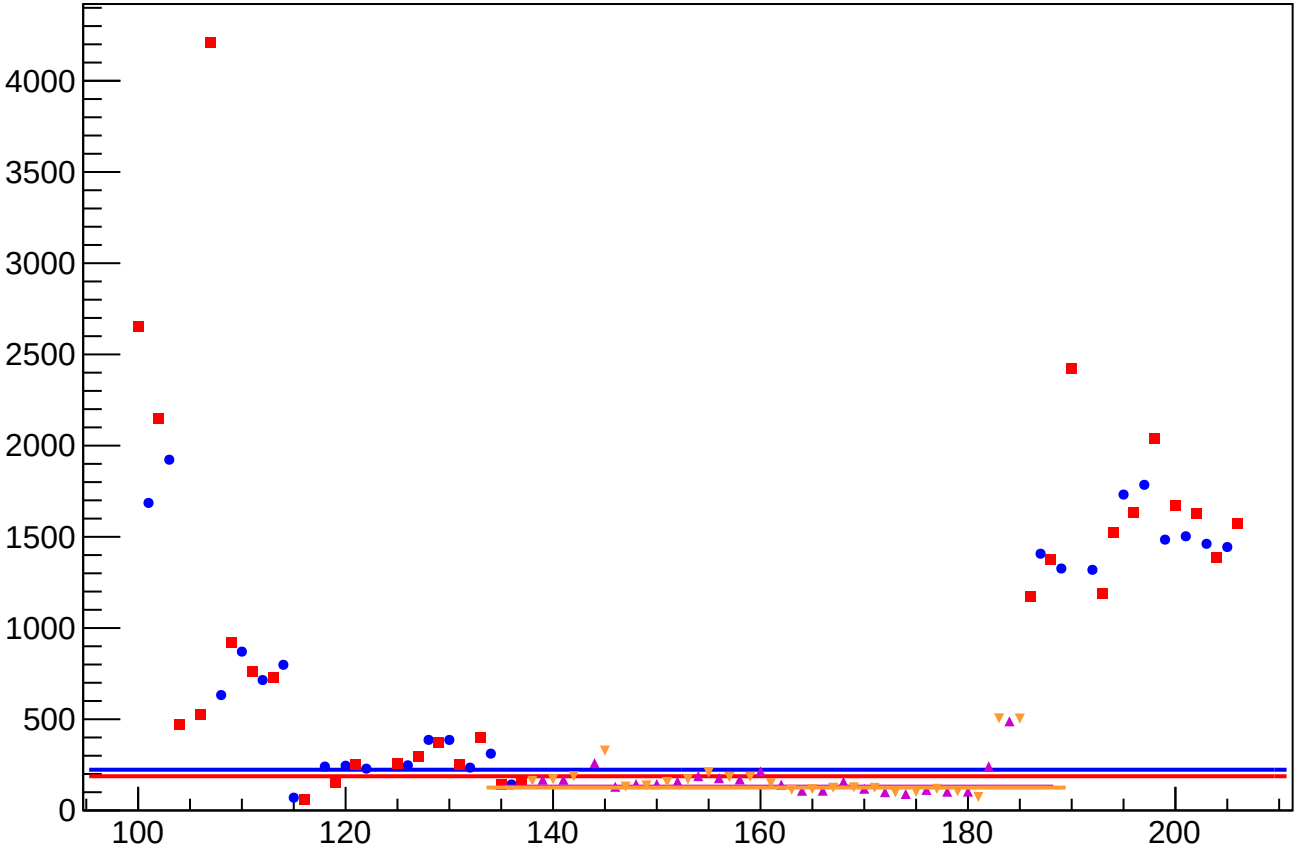
Right: 32.773+/-60.261 χ^2/NDF: 55.5/53

In: 38.228+/-30.600 χ^2/NDF:44.8/47

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -30.539+/-21.162 χ^2/NDF: 133.4/100

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

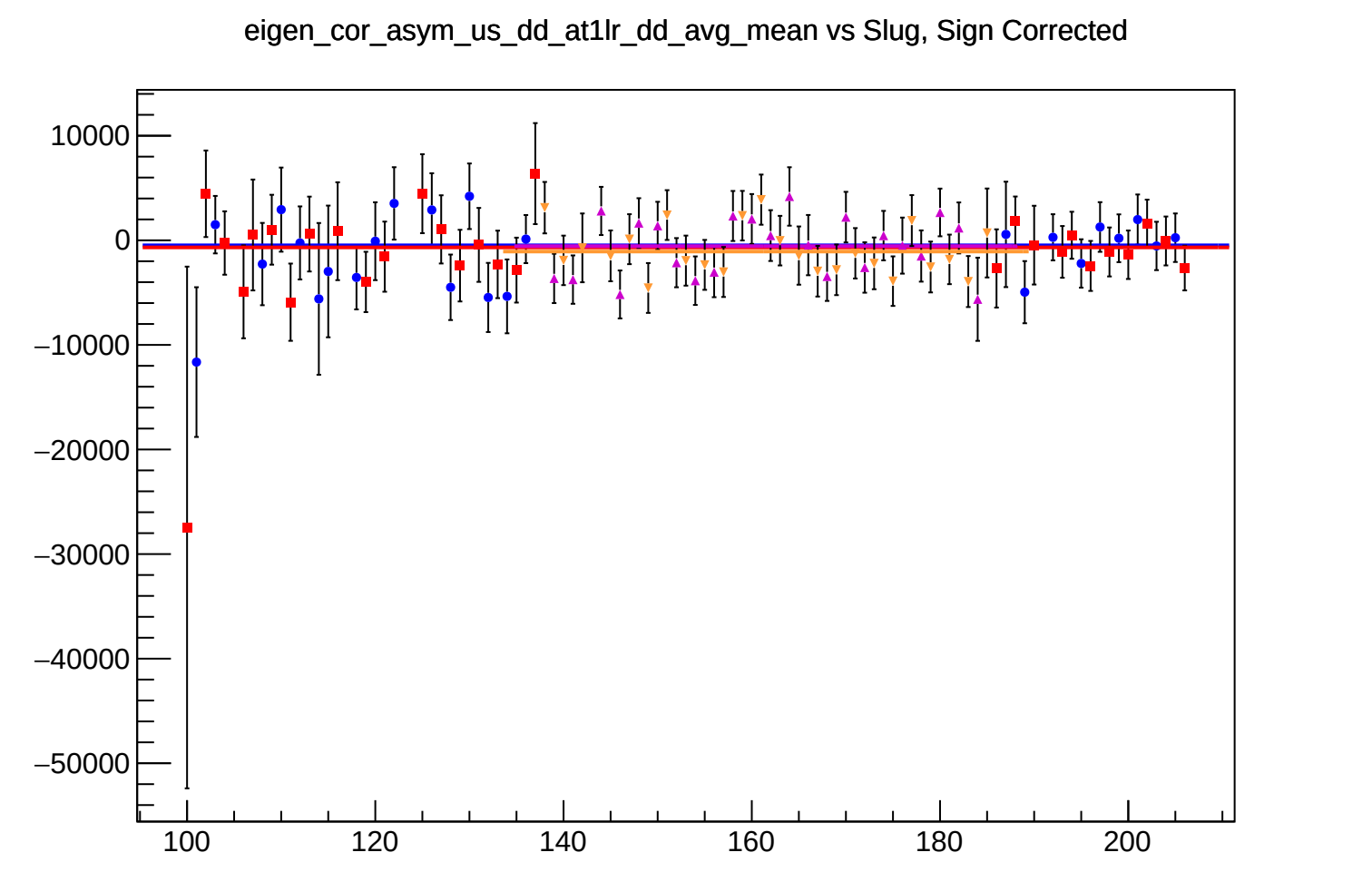
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 203.566+/-0.043 χ^2/NDF: 34950334.4/53

In: 141.225+/-0.022 χ^2/NDF:19668775.8/47

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.221+/-0.015 χ^2/NDF: 44362453.3/10



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -676.761+/-563.636 χ^2/NDF: 17.2/28

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

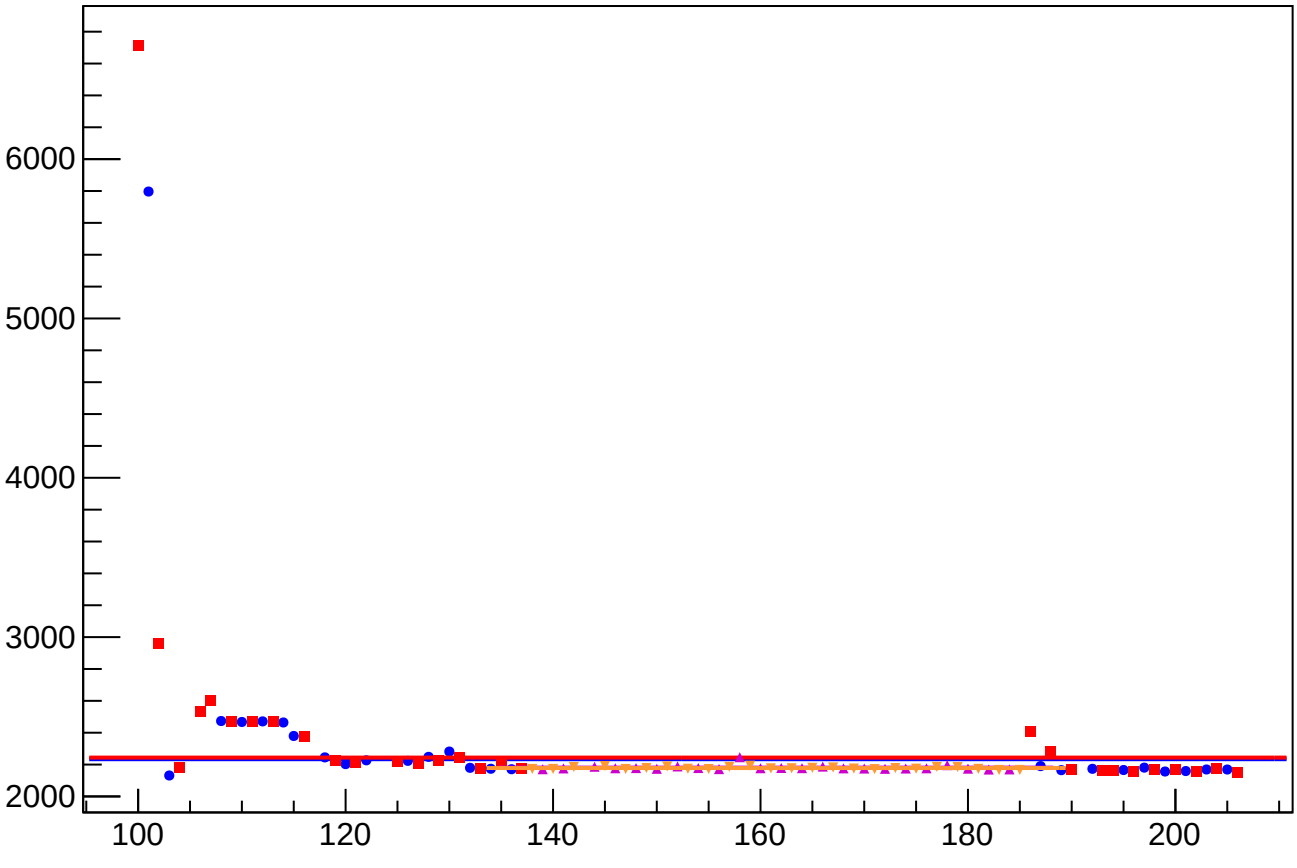
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -584.259+/-410.938 χ^2/NDF: 38.0/53

In: -524.536+/-388.351 χ^2/NDF:49.5/47

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -716.224+/-270.258 χ^2/NDF: 89.0/100



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

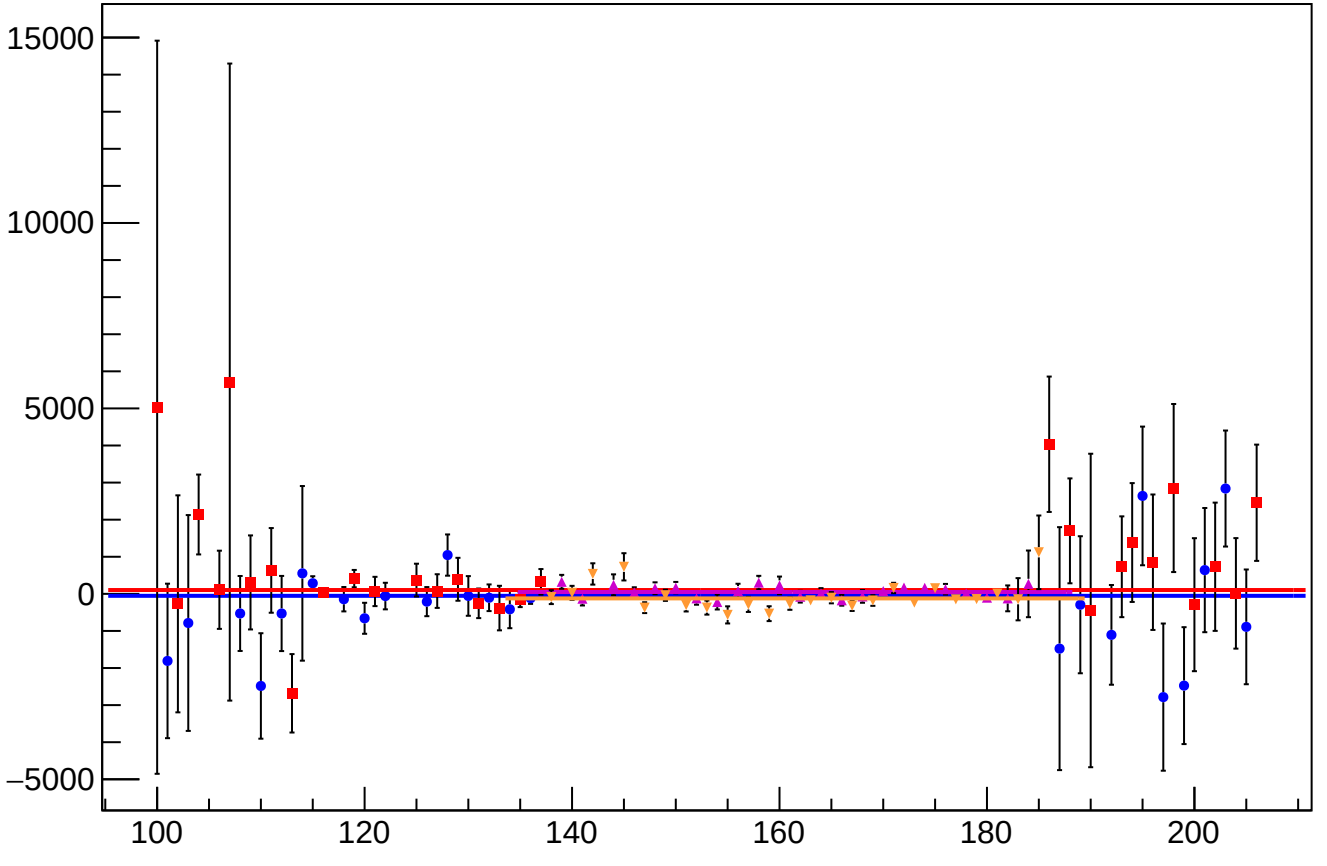
Right: 2239.110+/-0.291 χ^2/NDF: 736687.2/53

In: 2203.006+/-0.275 χ^2/NDF:551727.1/47

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2205.323+/-0.191 χ^2/NDF: 762795.0/100

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

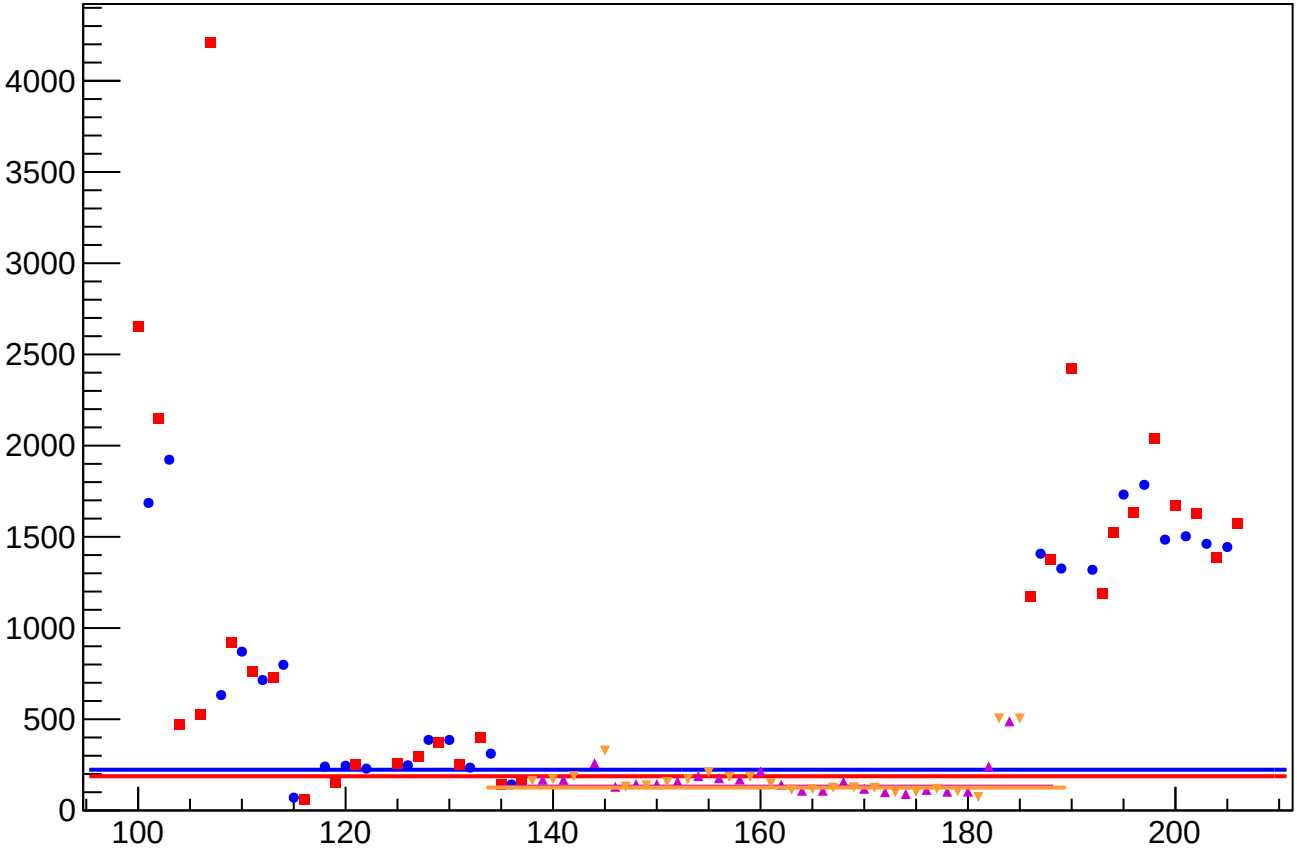
Right: 32.773+/-60.261 χ^2/NDF: 55.5/53

In: 38.228+/-30.600 χ^2/NDF:44.8/47

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -30.539+/-21.162 χ^2/NDF: 133.4/100

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

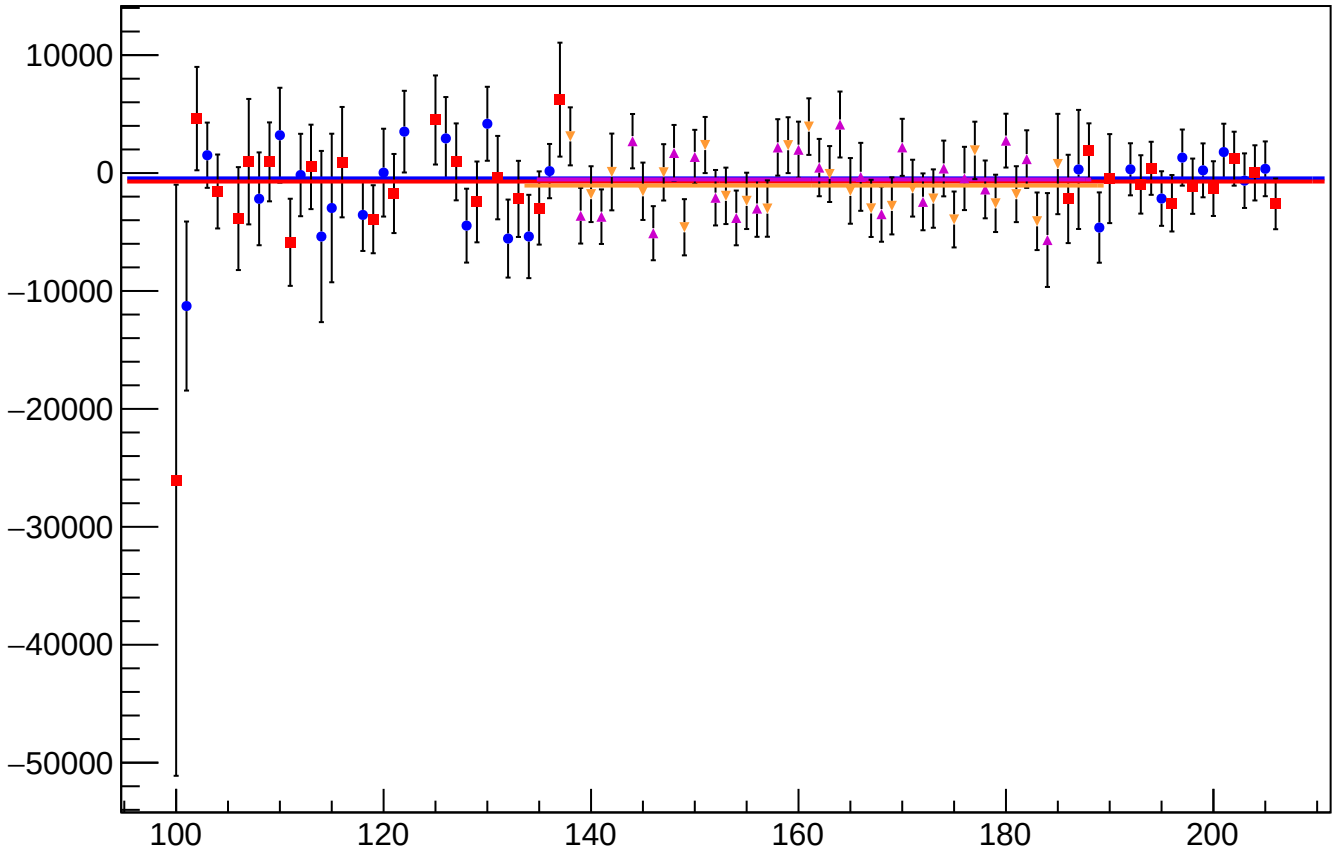
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 203.566+/-0.043 χ^2/NDF: 34950334.4/53

In: 141.225+/-0.022 χ^2/NDF:19668775.8/47

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.221+/-0.015 χ^2/NDF: 44362453.3/10



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -720.110+/-565.300 χ^2/NDF: 16.1/28

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

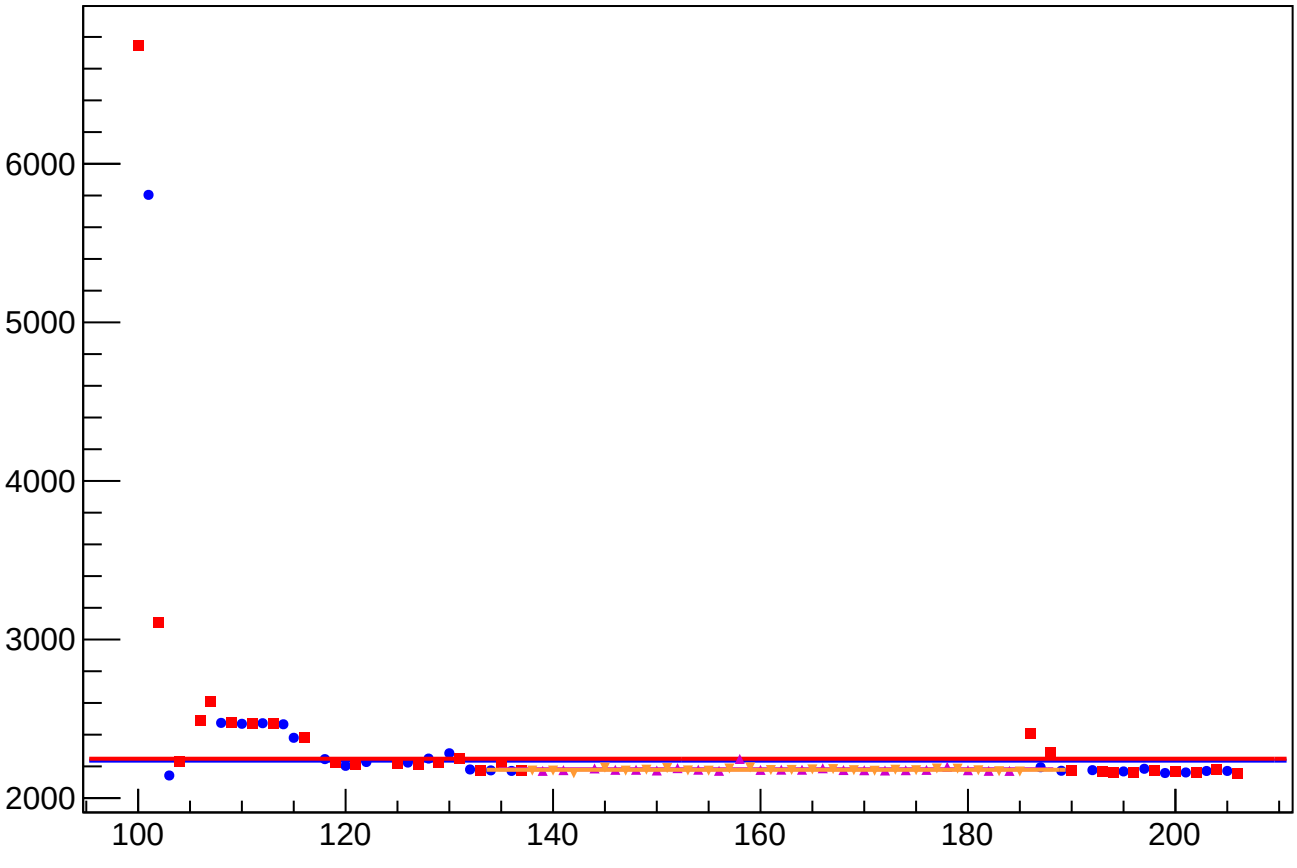
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -595.286+/-411.811 χ^2/NDF: 36.4/53

In: -506.590+/-388.643 χ^2/NDF:48.1/47

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -714.629+/-270.554 χ^2/NDF: 86.9/100



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.1/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.4/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

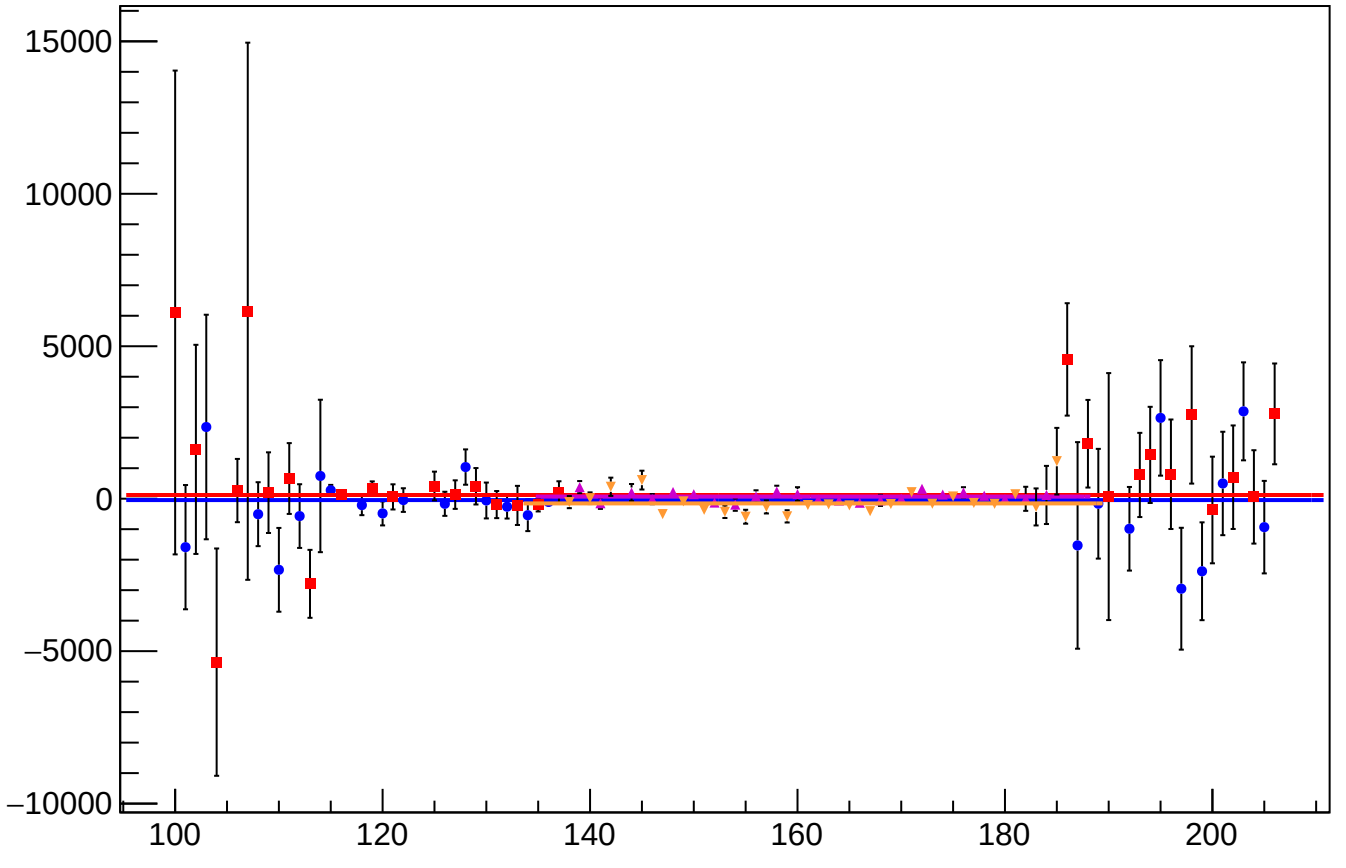
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2242.667+/-0.291 χ^2/NDF: 751402.6/53

In: 2204.612+/-0.275 χ^2/NDF:551479.5/47

Out: 2209.539+/-0.266 χ^2/NDF:228268.6/52

All: 2207.151+/-0.191 χ^2/NDF: 779913.7/100



Right In: -45.407+/-91.242 χ^2/NDF: 24.7/24

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 121.291+/-84.919 χ^2/NDF: 27.5/28

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

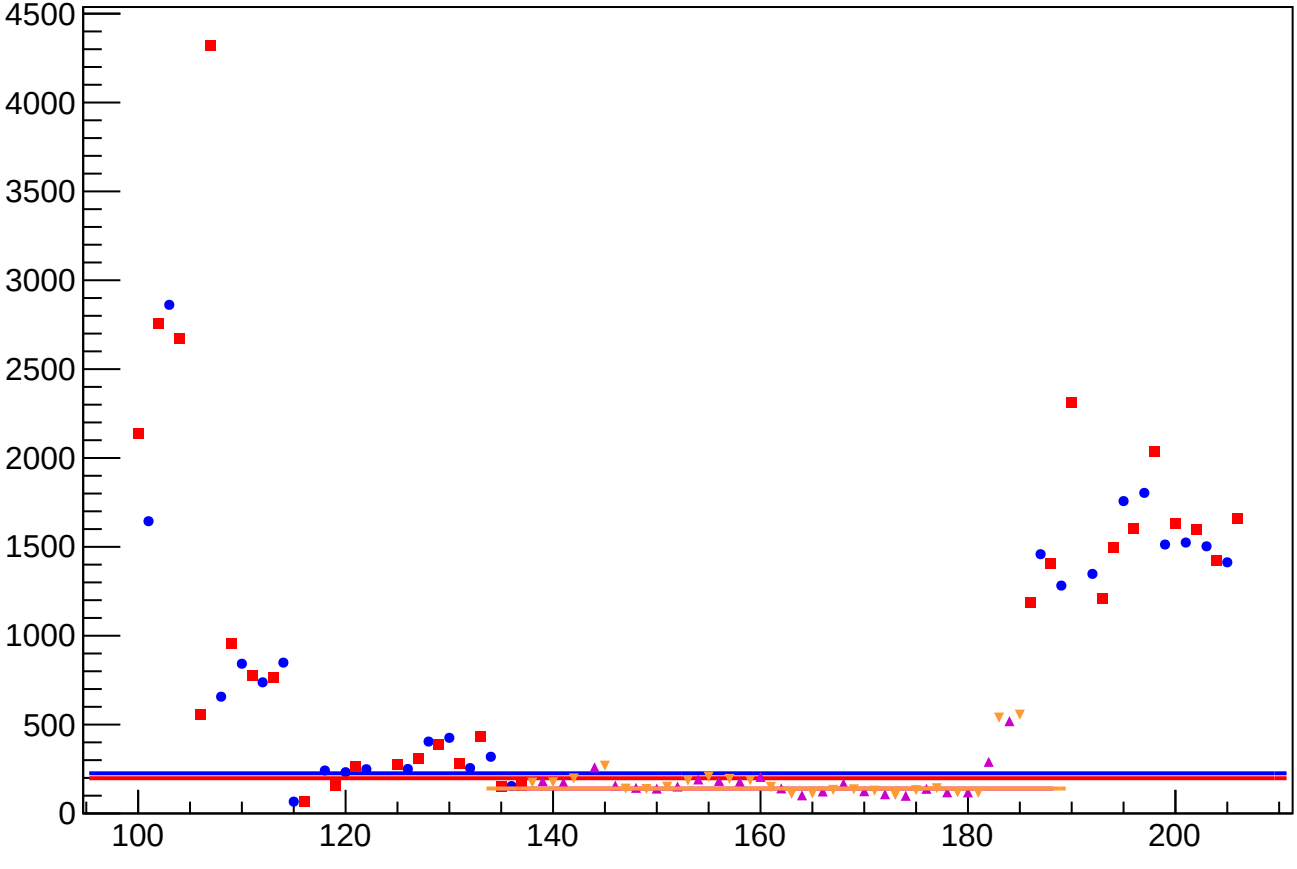
Right: 43.917+/-62.162 χ^2/NDF: 54.0/53

In: 55.904+/-32.028 χ^2/NDF:45.1/47

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.410+/-22.499 χ^2/NDF: 143.7/100

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.826+/-0.065 χ^2/NDF: 15661768.2/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 198.184+/-0.060 χ^2/NDF: 20487936.1/28

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

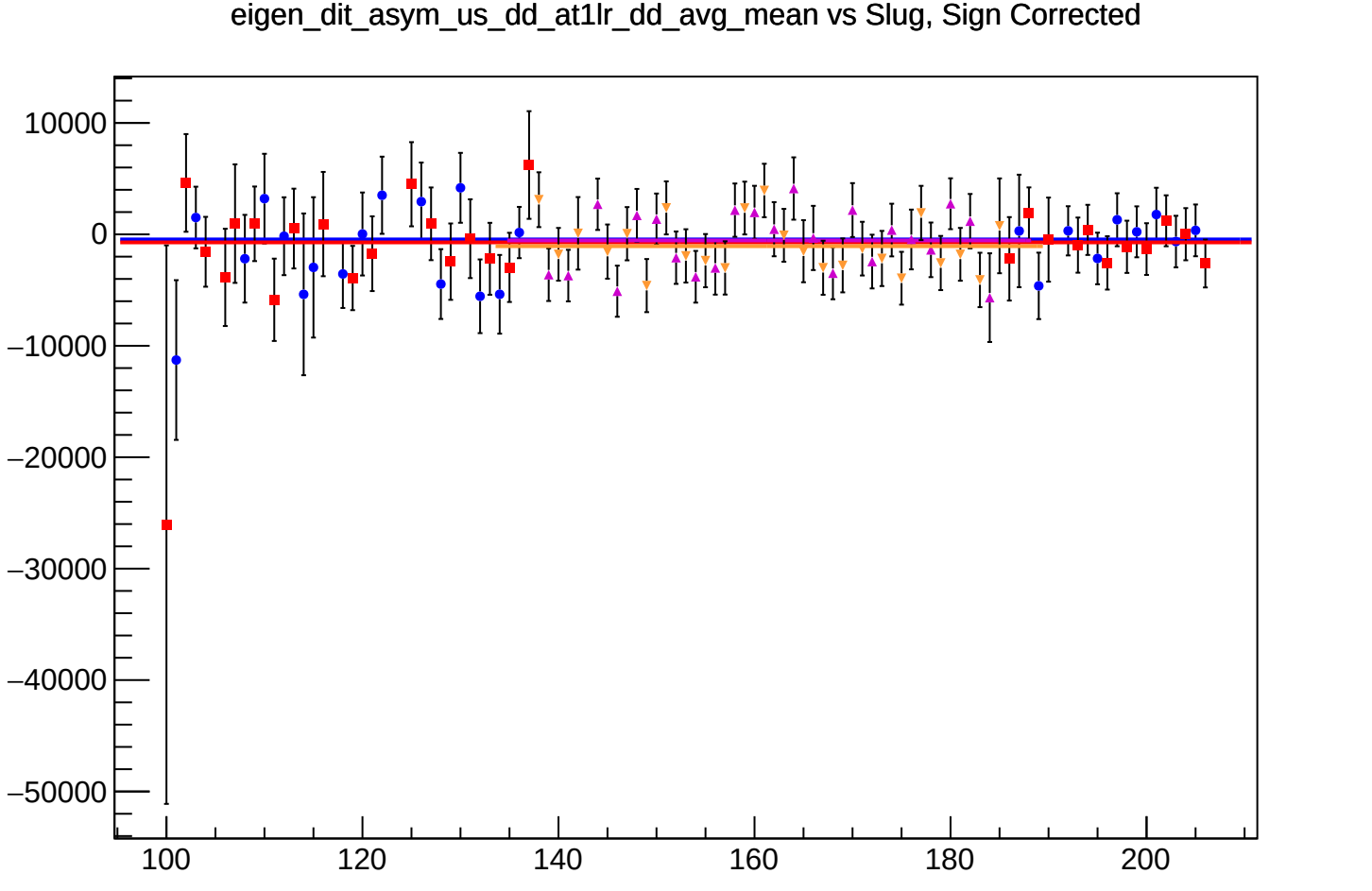
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 211.014+/-0.044 χ^2/NDF: 36248065.6/53

In: 150.556+/-0.023 χ^2/NDF:19626562.8/47

Out: 148.338+/-0.022 χ^2/NDF:24048176.8/52

All: 149.433+/-0.016 χ^2/NDF: 43679600.5/10



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -720.108+/-565.300 χ^2/NDF: 16.1/28

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

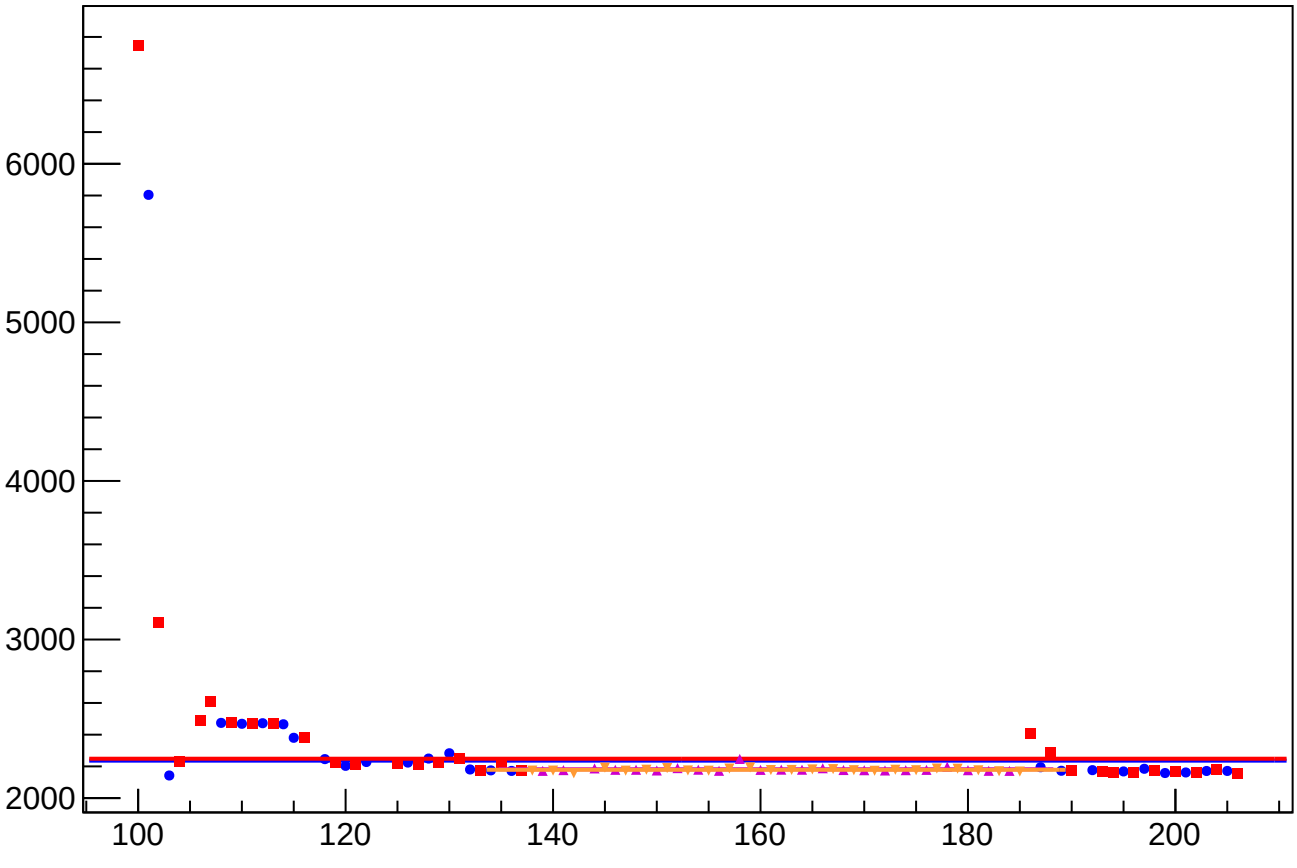
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -595.285+/-411.811 χ^2/NDF: 36.4/53

In: -506.590+/-388.643 χ^2/NDF:48.1/47

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -714.628+/-270.554 χ^2/NDF: 86.9/100



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.2/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.3/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

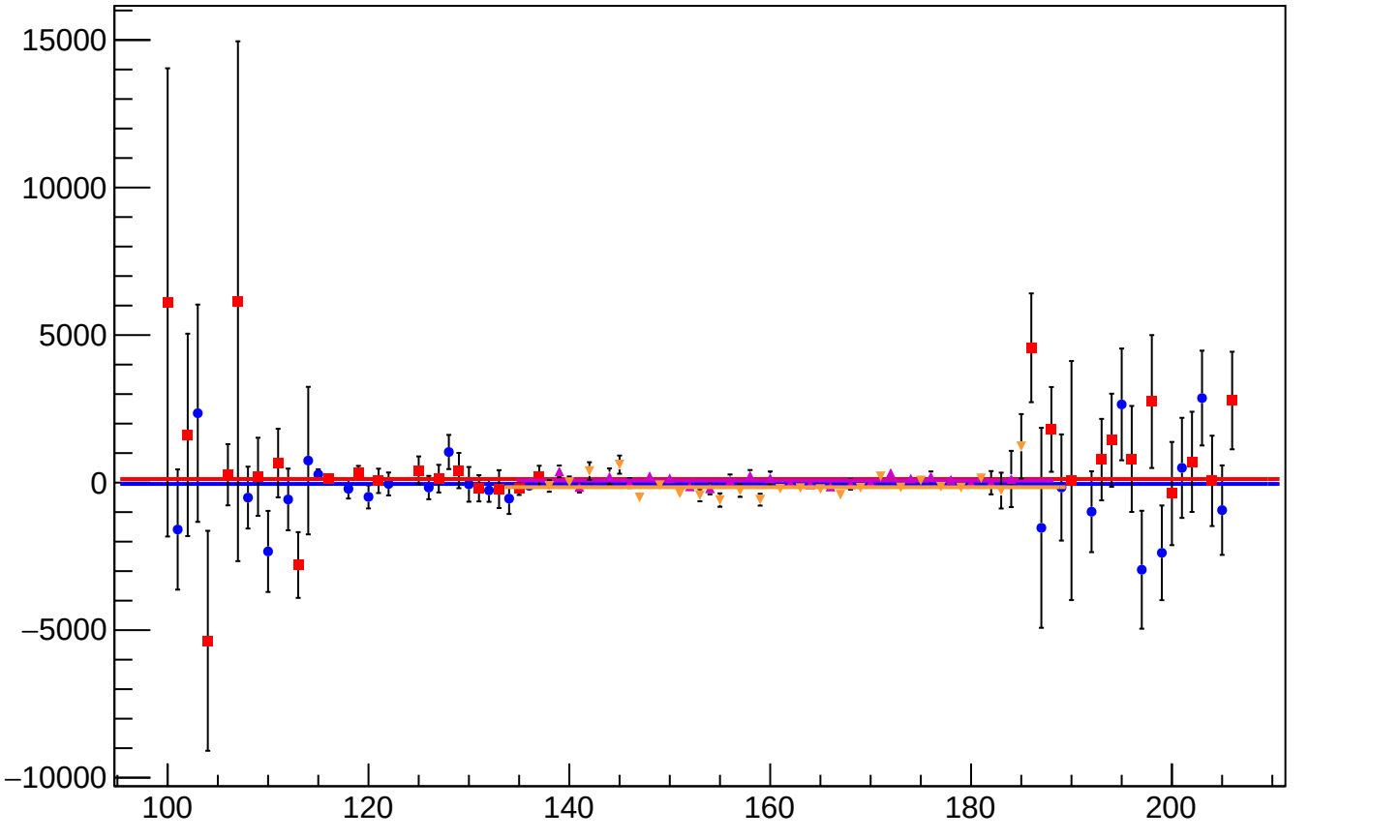
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2242.667+/-0.291 χ^2/NDF: 751402.5/53

In: 2204.612+/-0.275 χ^2/NDF:551479.5/47

Out: 2209.539+/-0.266 χ^2/NDF:228268.5/52

All: 2207.151+/-0.191 χ^2/NDF: 779913.6/100



Right In: -45.404+/-91.241 χ^2/NDF: 24.7/24

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 121.291+/-84.918 χ^2/NDF: 27.5/28

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

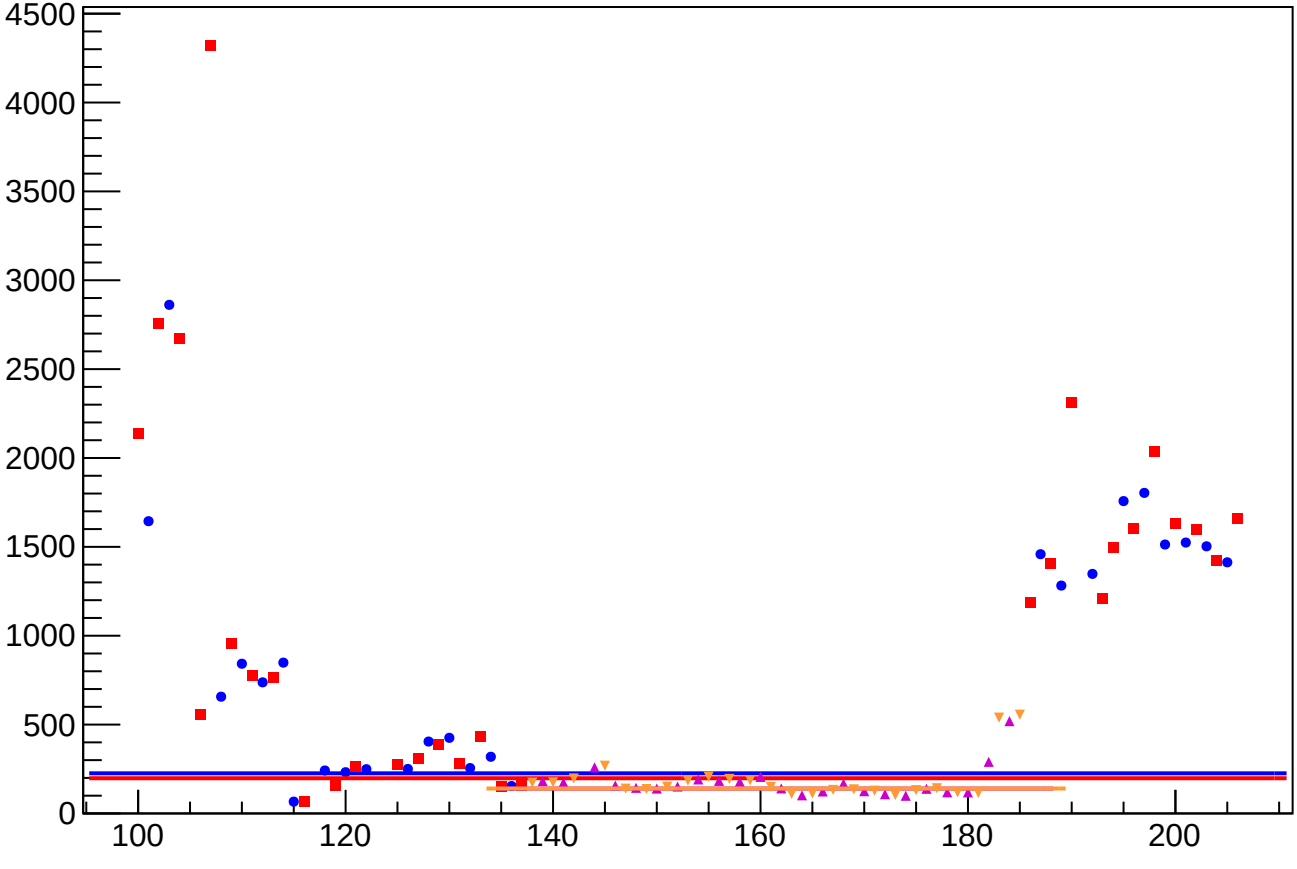
Right: 43.919+/-62.162 χ^2/NDF: 54.0/53

In: 55.903+/-32.028 χ^2/NDF:45.1/47

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.410+/-22.499 χ^2/NDF: 143.7/100

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.823+/-0.065 χ^2/NDF: 15661850.6/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 198.181+/-0.060 χ^2/NDF: 20488051.0/28

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

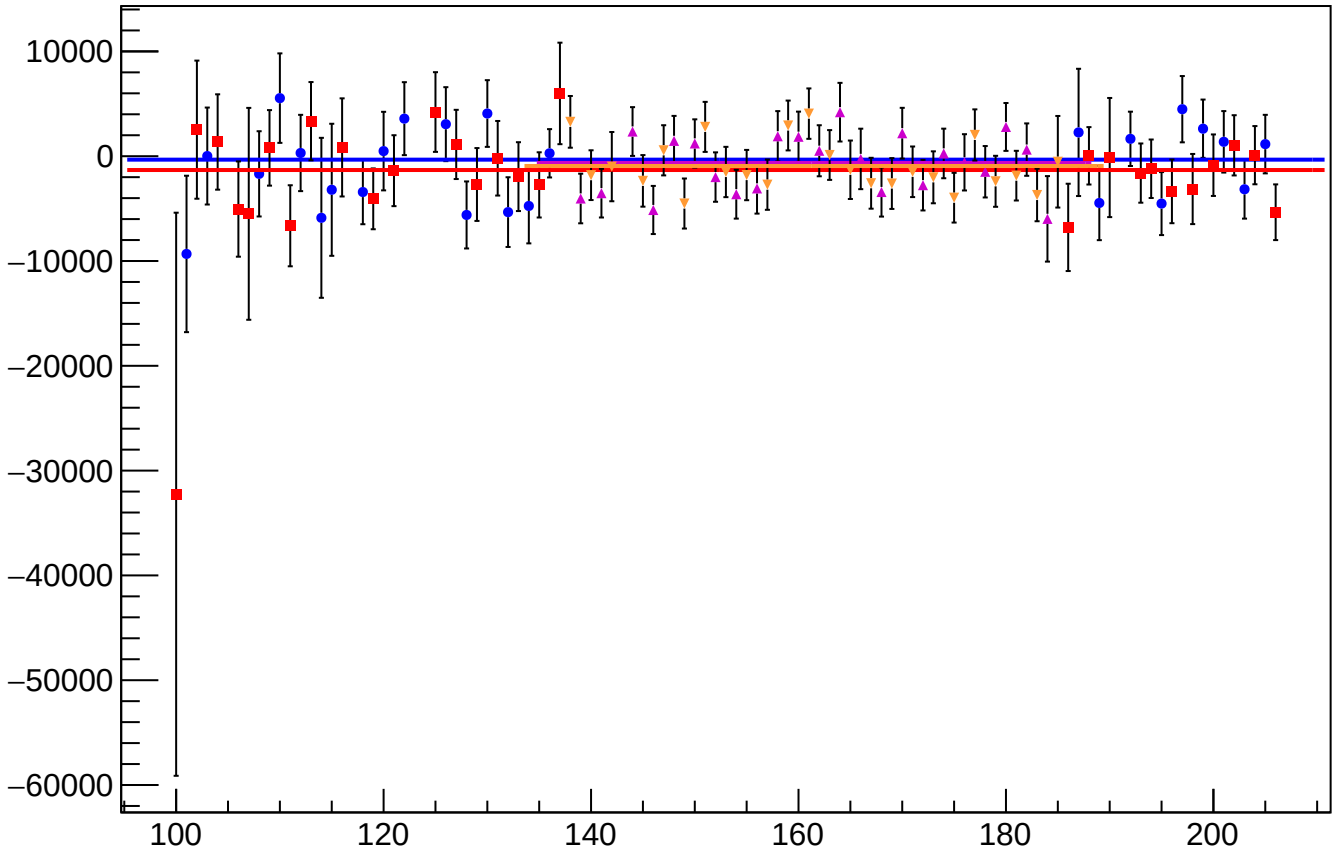
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 211.011+/-0.044 χ^2/NDF: 36248265.3/53

In: 150.556+/-0.023 χ^2/NDF:19626613.6/47

Out: 148.338+/-0.022 χ^2/NDF:24048209.3/52

All: 149.433+/-0.016 χ^2/NDF: 43679683.4/10



Right In: -329.034+/-680.641 χ^2/NDF: 25.1/24

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1318.423+/-653.574 χ^2/NDF: 19.2/28

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

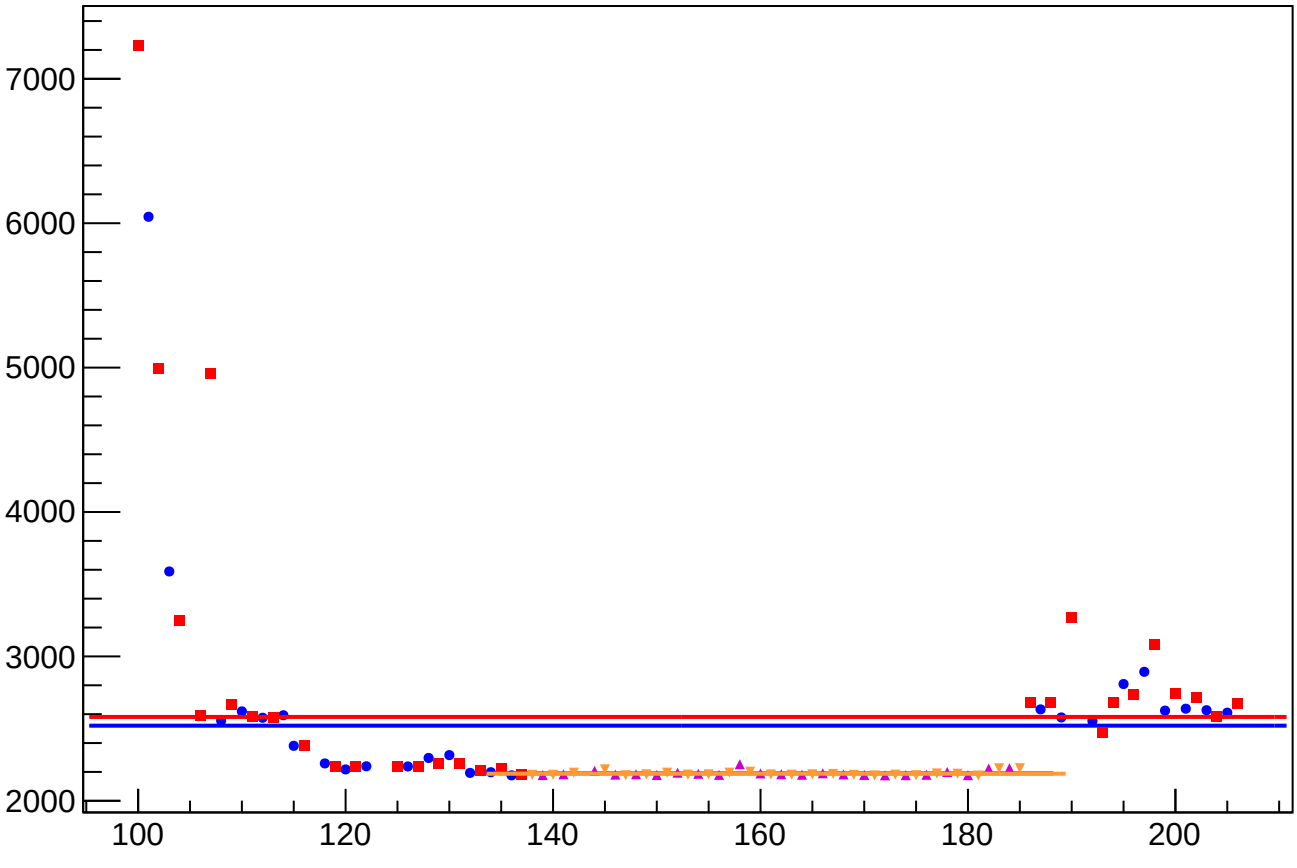
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -843.792+/-471.425 χ^2/NDF: 45.5/53

In: -529.575+/-408.841 χ^2/NDF:52.3/47

Out: -1077.432+/-400.951 χ^2/NDF:41.8/52

All: -808.840+/-286.264 χ^2/NDF: 95.0/100



Right In: 2520.340+/-0.481 χ^2/NDF: 765873.4/24

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2580.869+/-0.462 χ^2/NDF: 774376.8/28

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

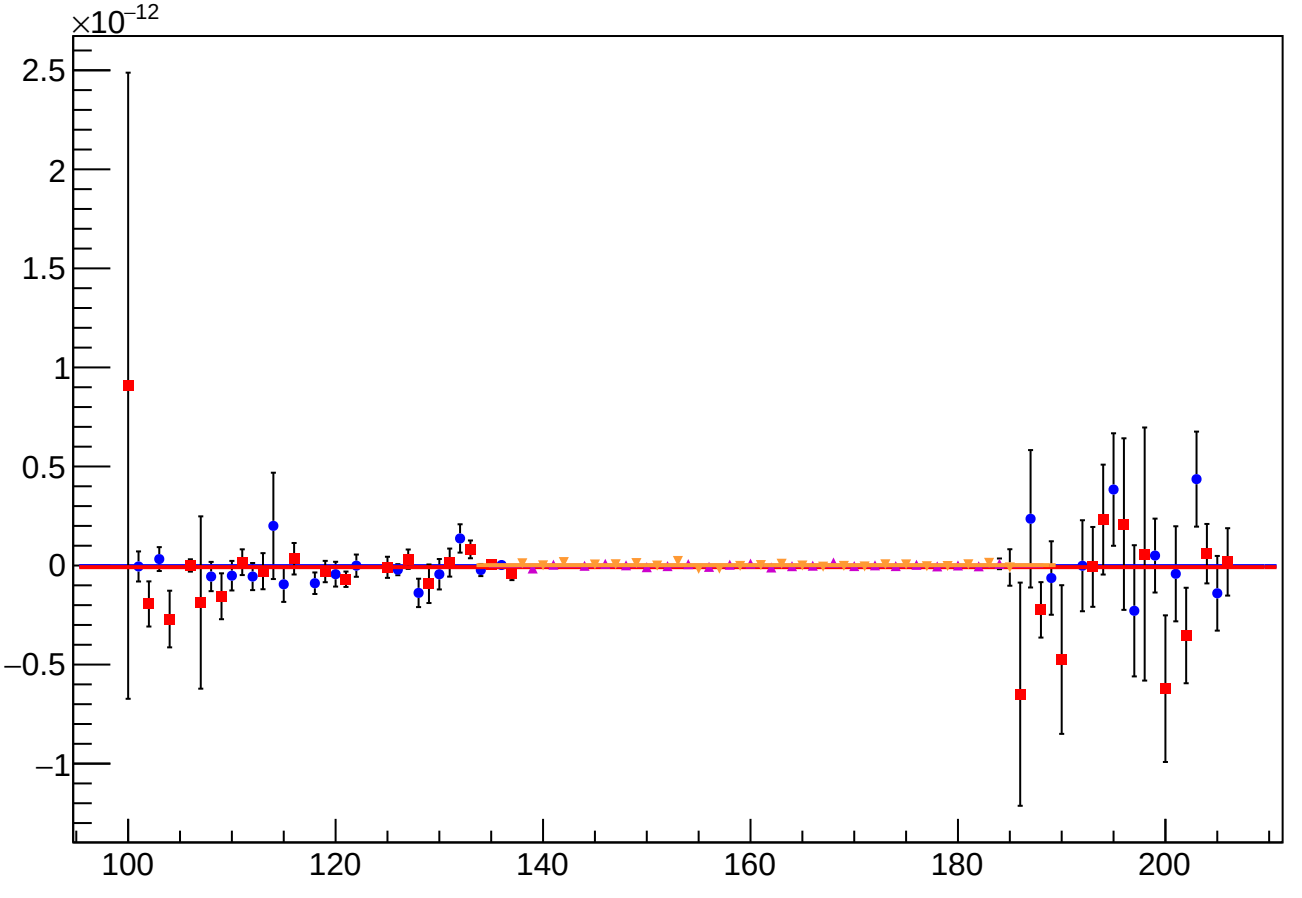
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2551.832+/-0.333 χ^2/NDF: 1548479.4/53

In: 2309.292+/-0.289 χ^2/NDF:1069246.2/47

Out: 2335.620+/-0.284 χ^2/NDF:1227281.5/52

All: 2322.713+/-0.202 χ^2/NDF: 2300755.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

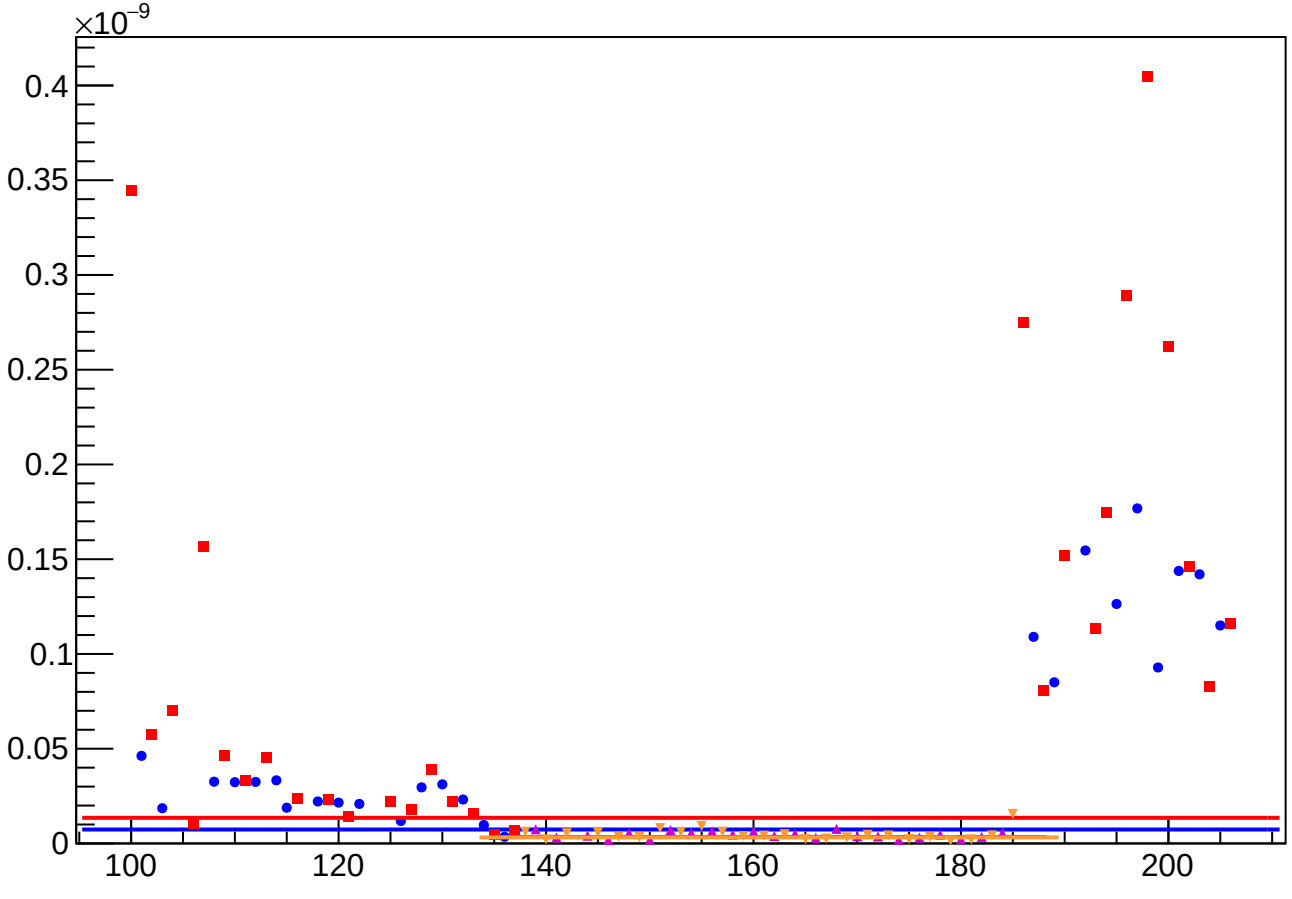
Right: -0.000+/-0.000 χ^2/NDF: 52.8/53

In: -0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:50.7/52

All: 0.000+/-0.000 χ^2/NDF: 87.6/100

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7455122.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9347056.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

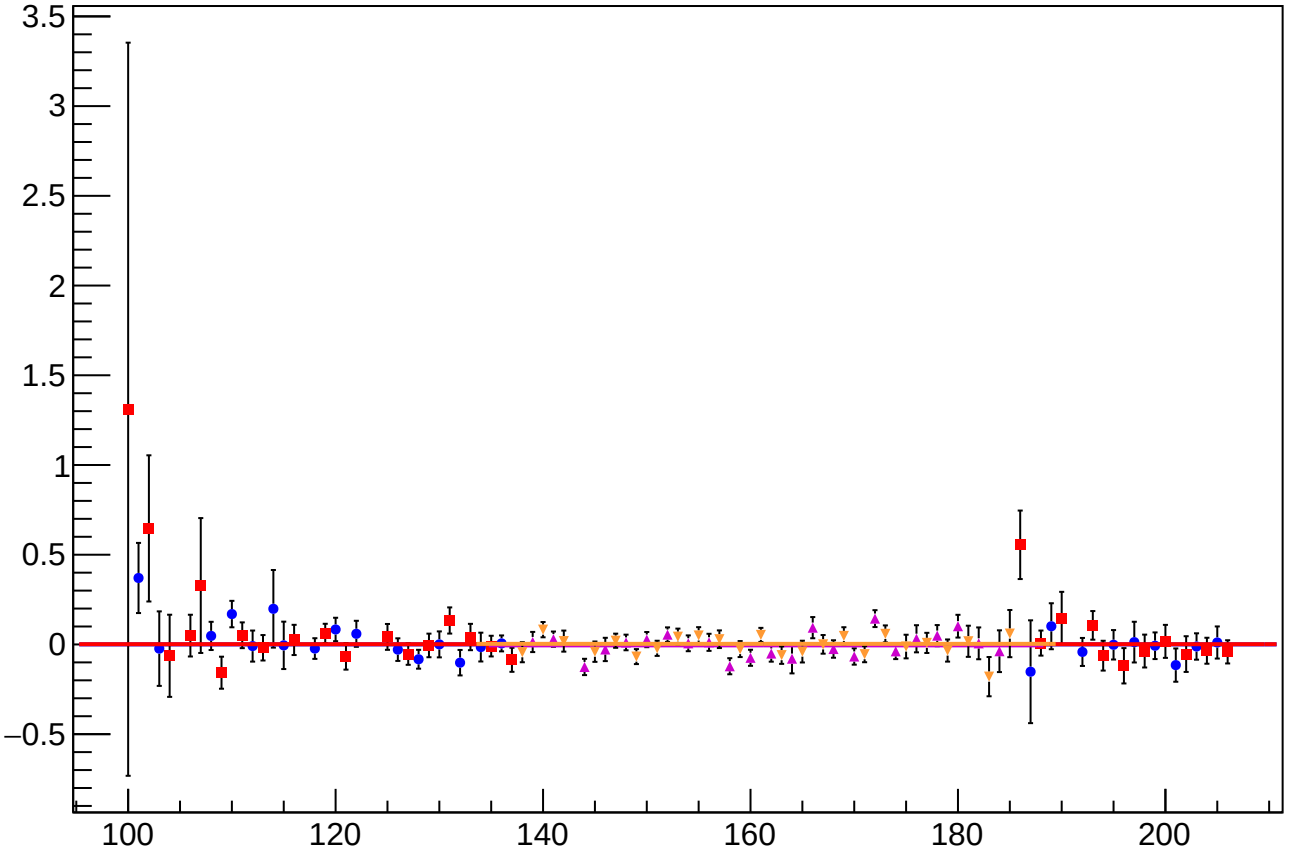
Right: 0.000+/-0.000 χ^2/NDF: 17376330.5/53

In: 0.000+/-0.000 χ^2/NDF:9907377.9/47

Out: 0.000+/-0.000 χ^2/NDF:13652869.7/52

All: 0.000+/-0.000 χ^2/NDF: 23581380.1/100

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

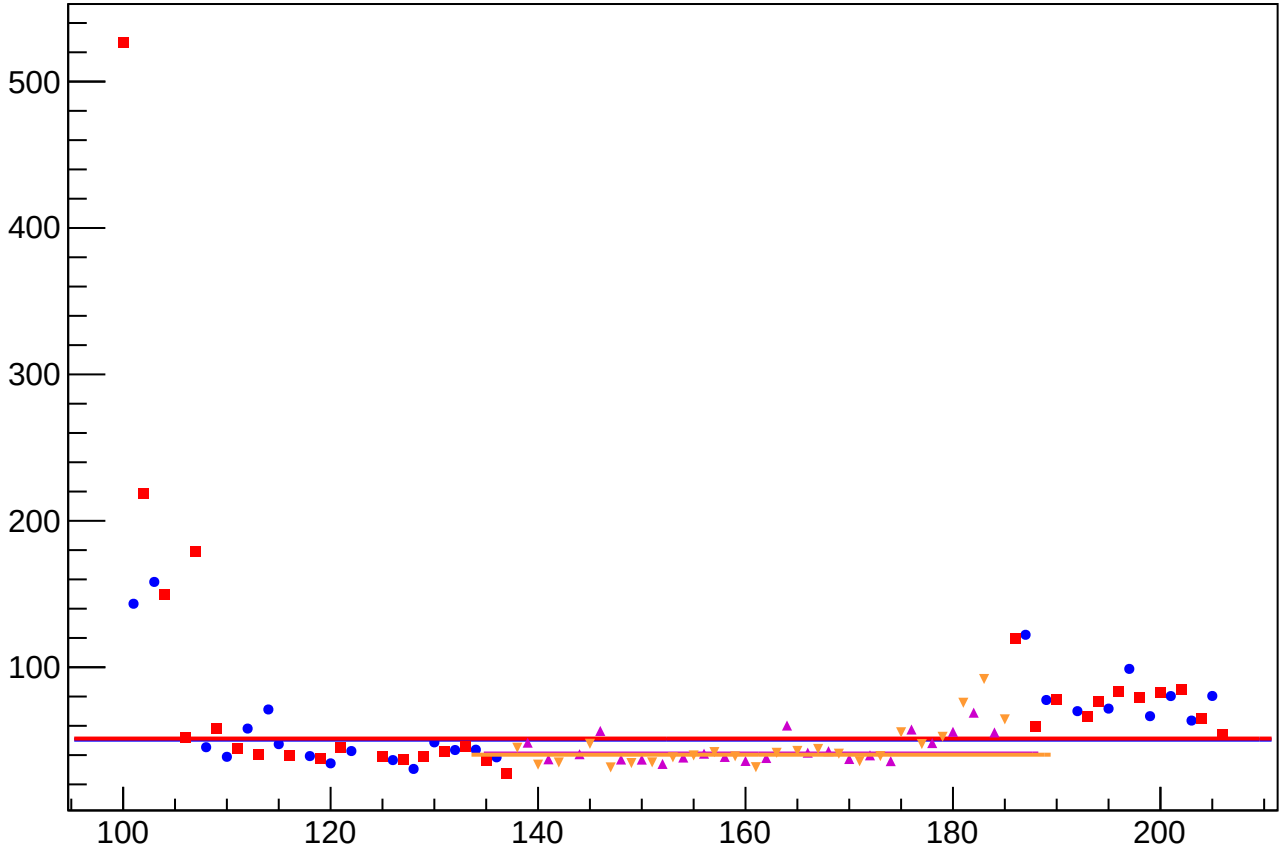
Right: 0.001+/-0.011 χ^2/NDF: 50.9/53

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/100

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

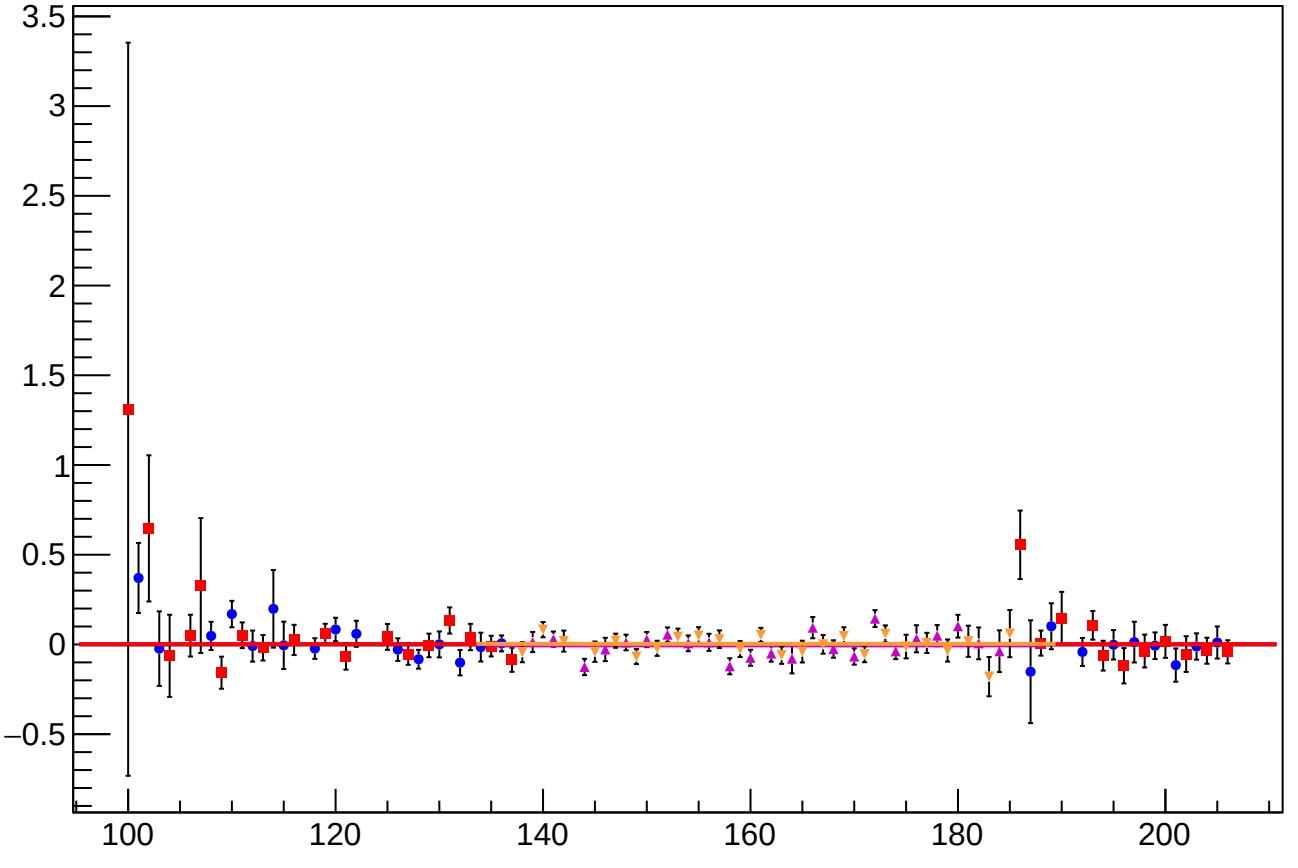
Right: 50.937+/-0.008 χ^2/NDF: 6821212.2/53

In: 44.038+/-0.006 χ^2/NDF:4724520.5/47

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 43.911+/-0.004 χ^2/NDF: 10457251.1/100

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

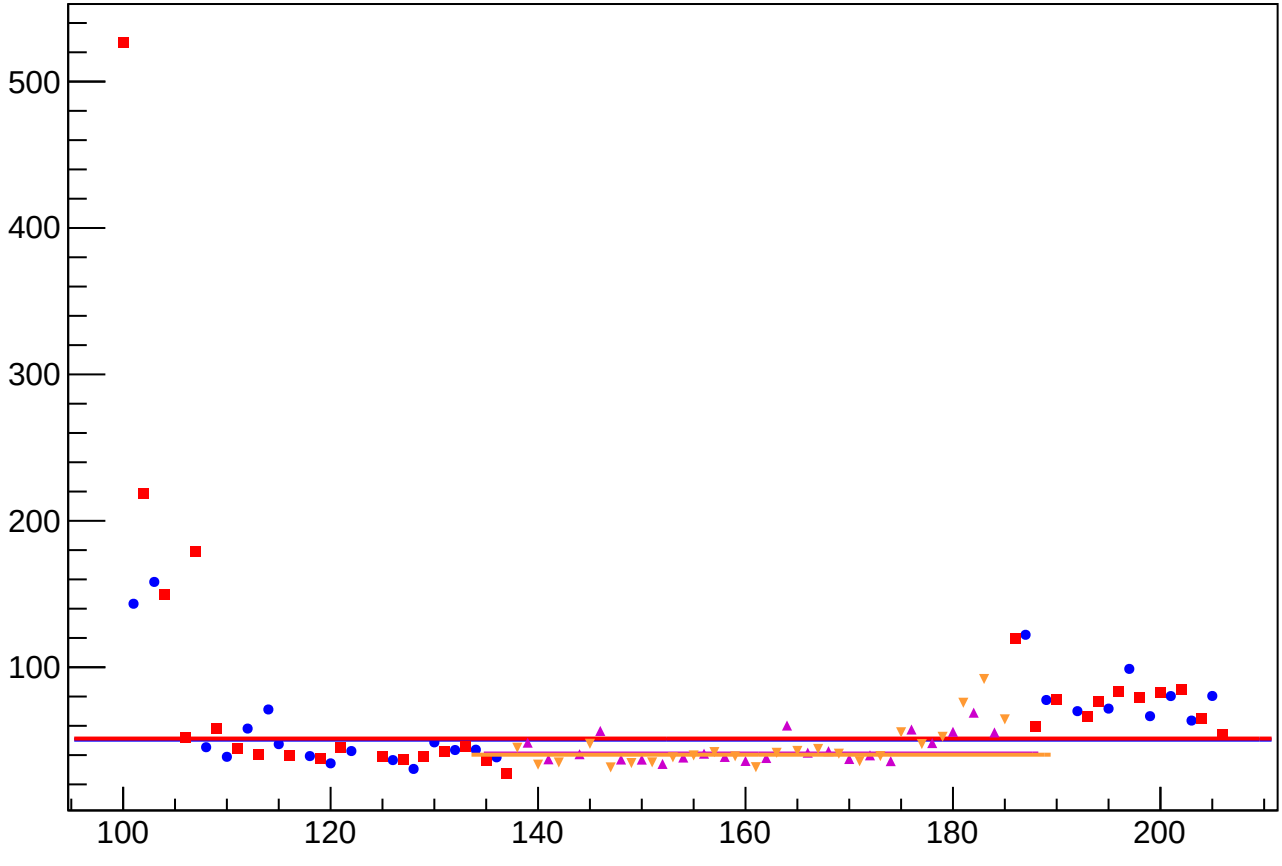
Right: 0.001+/-0.011 χ^2/NDF: 50.9/53

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/100

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

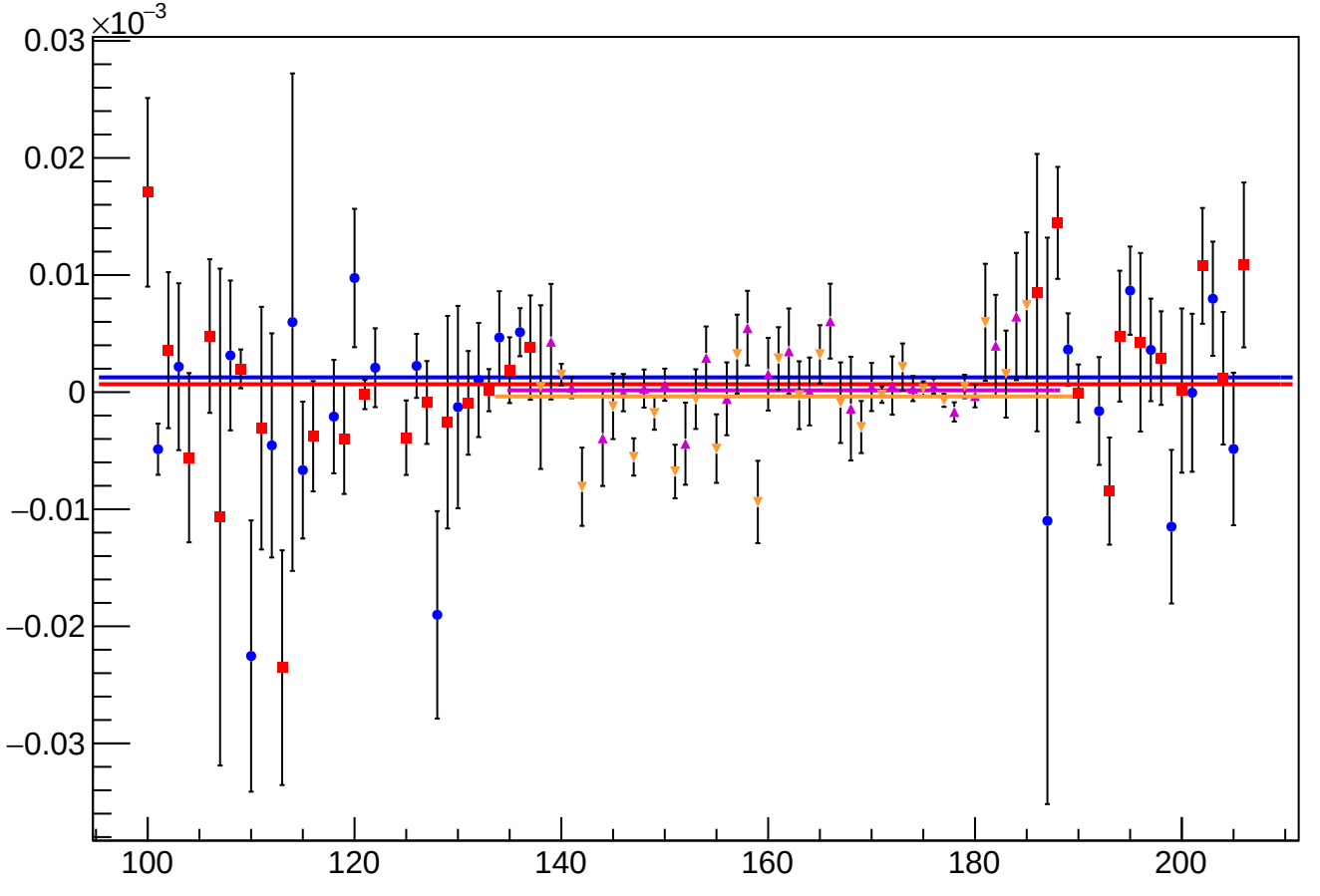
Right: 50.937+/-0.008 χ^2/NDF: 6821212.2/53

In: 44.038+/-0.006 χ^2/NDF:4724520.5/47

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 43.911+/-0.004 χ^2/NDF: 10457251.1/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

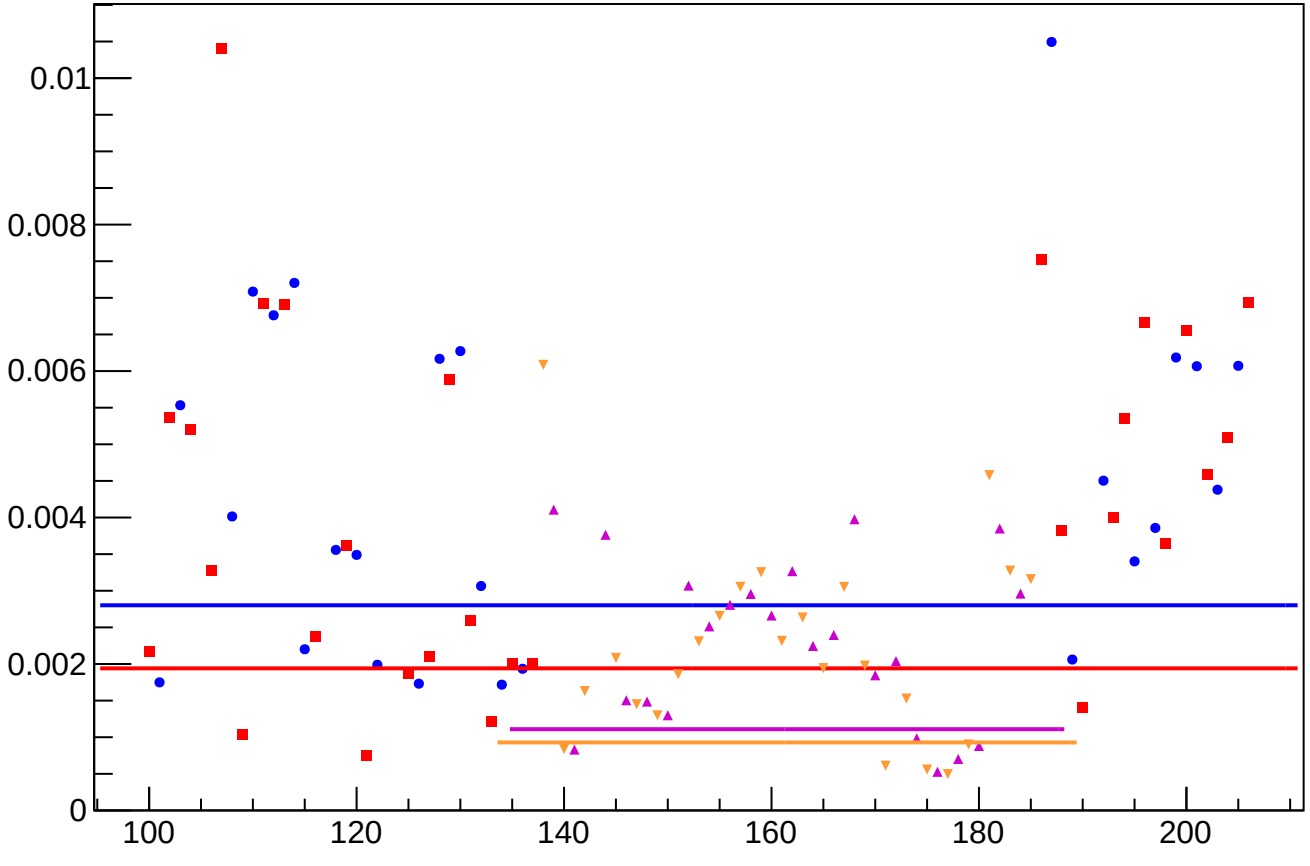
Right: 0.000+/-0.000 χ^2/NDF: 77.2/53

In: 0.000+/-0.000 χ^2/NDF:60.1/47

Out: -0.000+/-0.000 χ^2/NDF:91.6/52

All: 0.000+/-0.000 χ^2/NDF: 153.3/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5646076.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 11914886.1/28

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

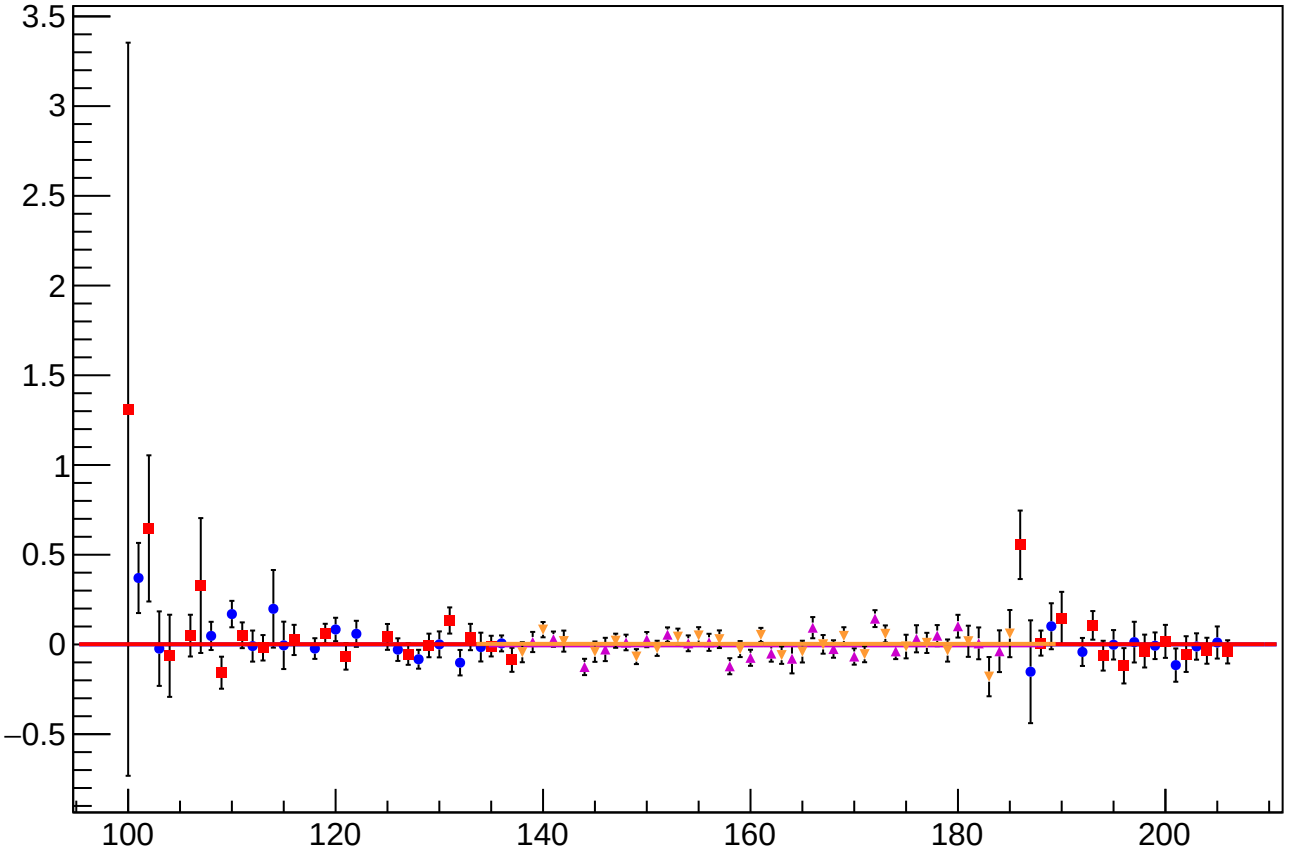
Right: 0.002+/-0.000 χ^2/NDF: 18847186.2/53

In: 0.001+/-0.000 χ^2/NDF:23381592.8/47

Out: 0.001+/-0.000 χ^2/NDF:28638762.5/52

All: 0.001+/-0.000 χ^2/NDF: 52683648.7/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

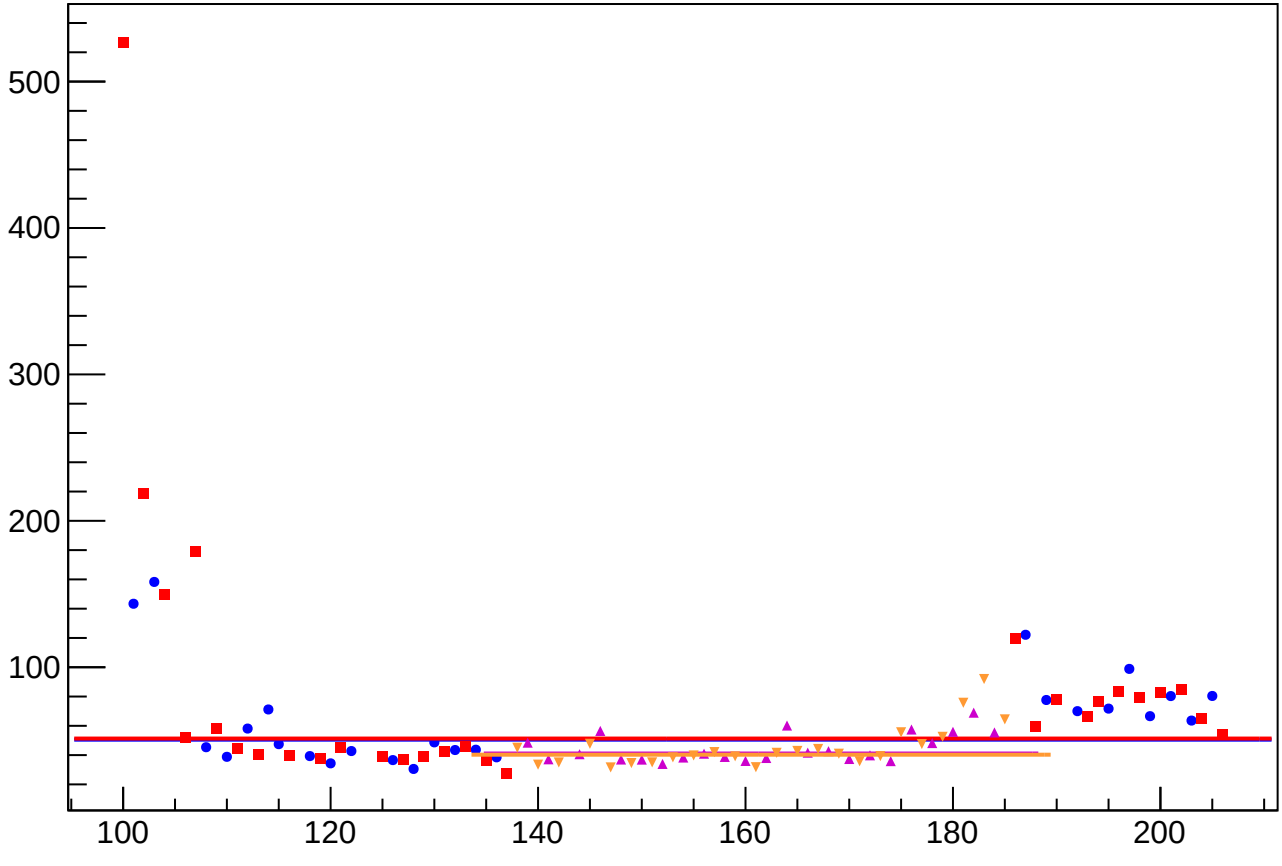
Right: 0.001+/-0.011 χ^2/NDF: 50.9/53

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

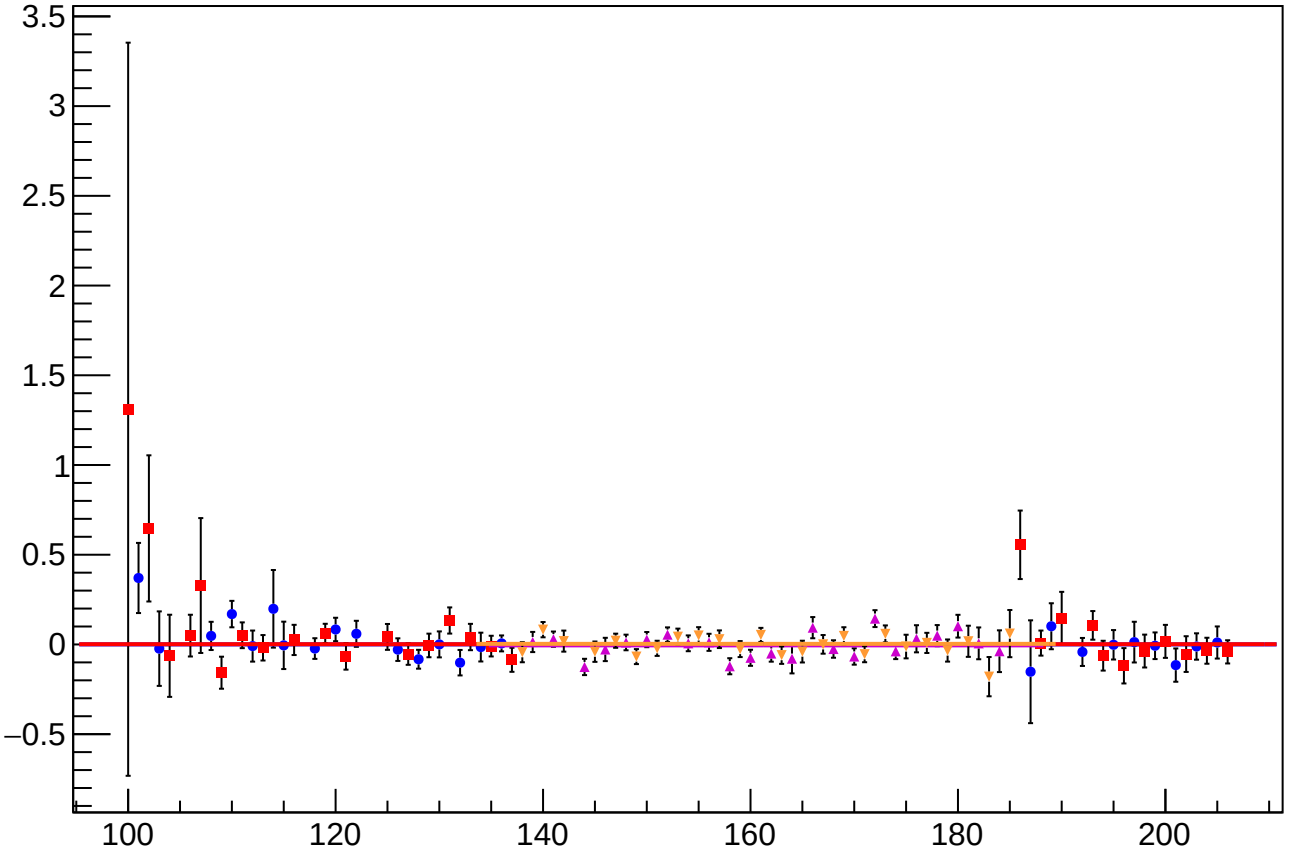
Right: 50.936+/-0.008 χ^2/NDF: 6821710.6/53

In: 44.037+/-0.006 χ^2/NDF:4724849.2/47

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 43.911+/-0.004 χ^2/NDF: 10457579.2/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

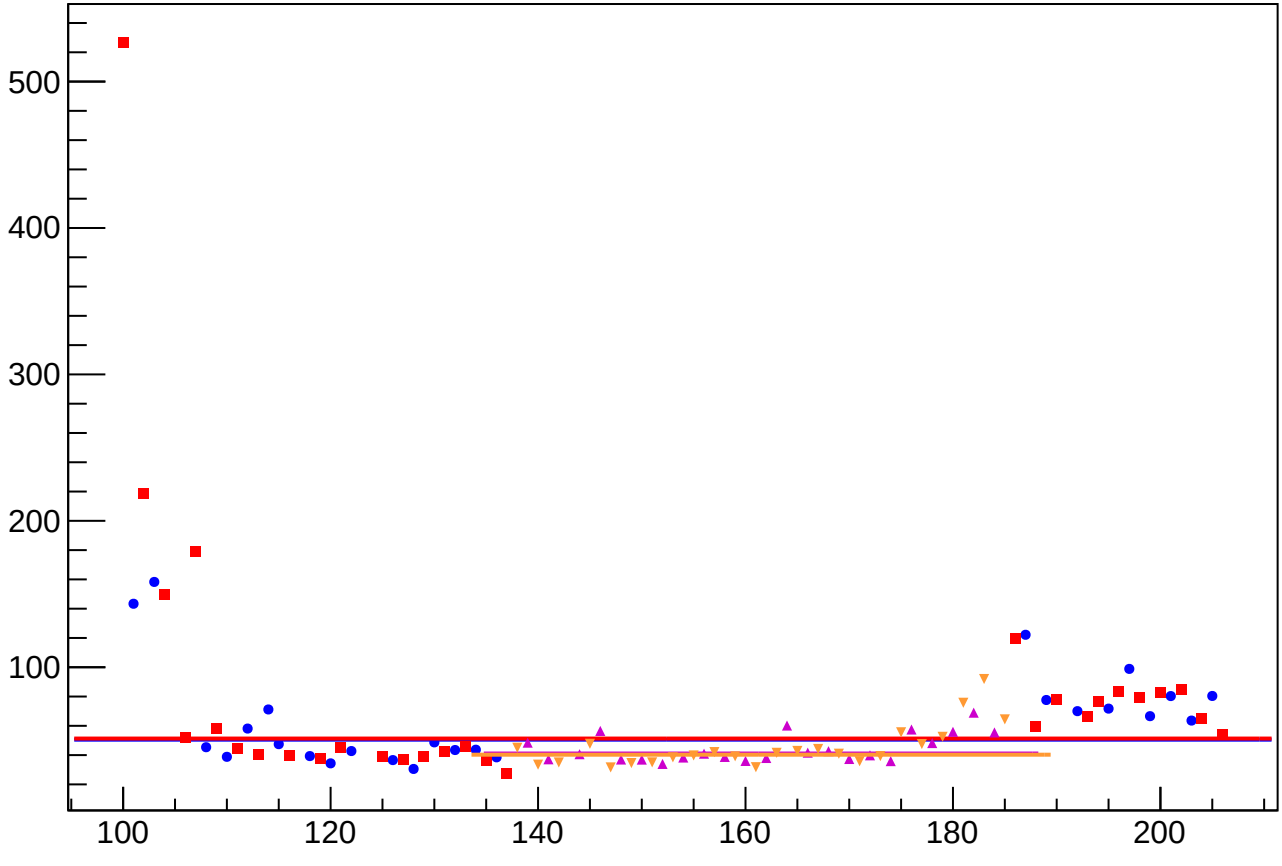
Right: 0.001+/-0.011 χ^2/NDF: 50.9/53

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/100

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

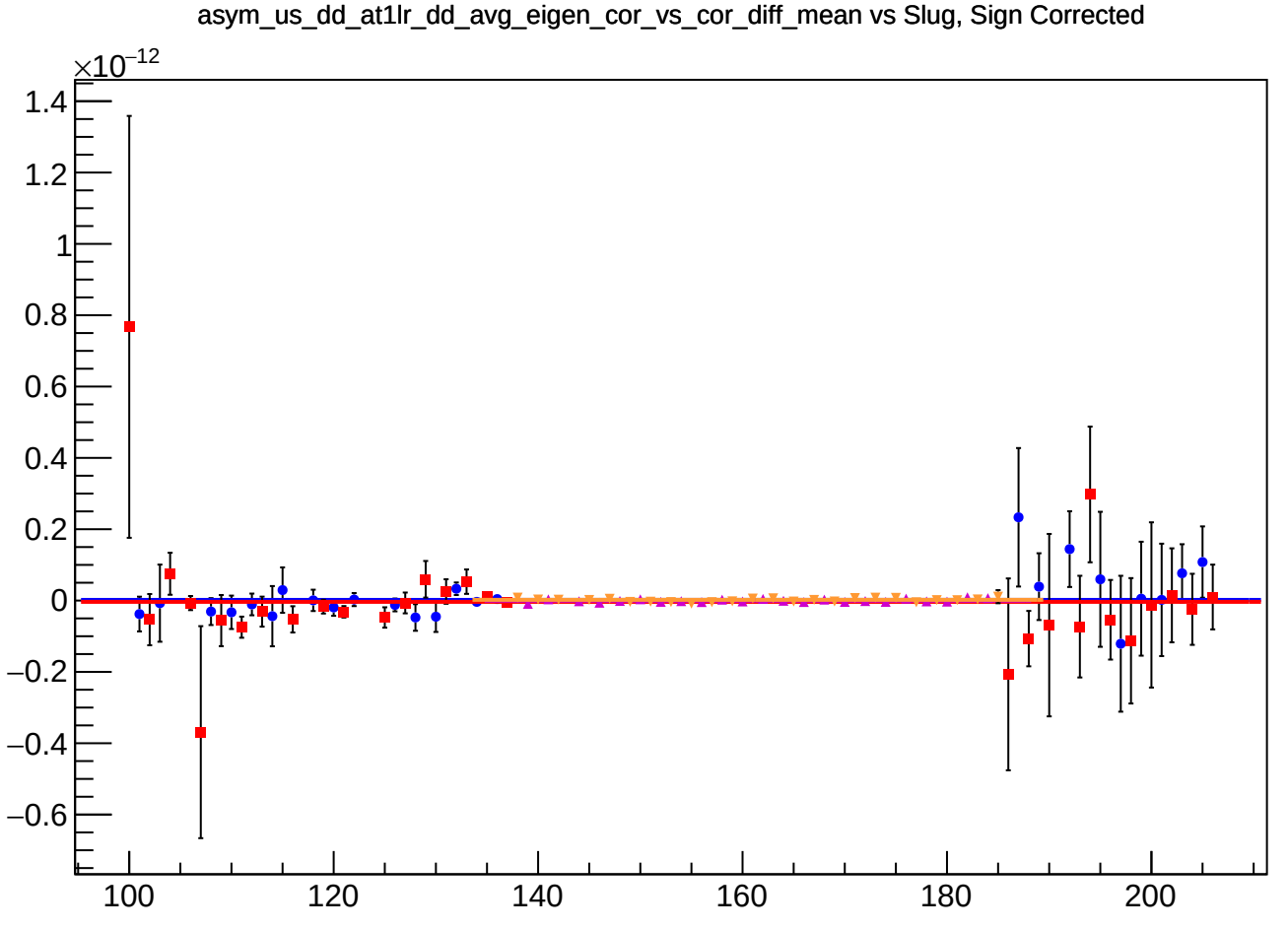
Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

Right: 50.936+/-0.008 χ^2/NDF: 6821710.6/53

In: 44.037+/-0.006 χ^2/NDF:4724849.2/47

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 43.911+/-0.004 χ^2/NDF: 10457579.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

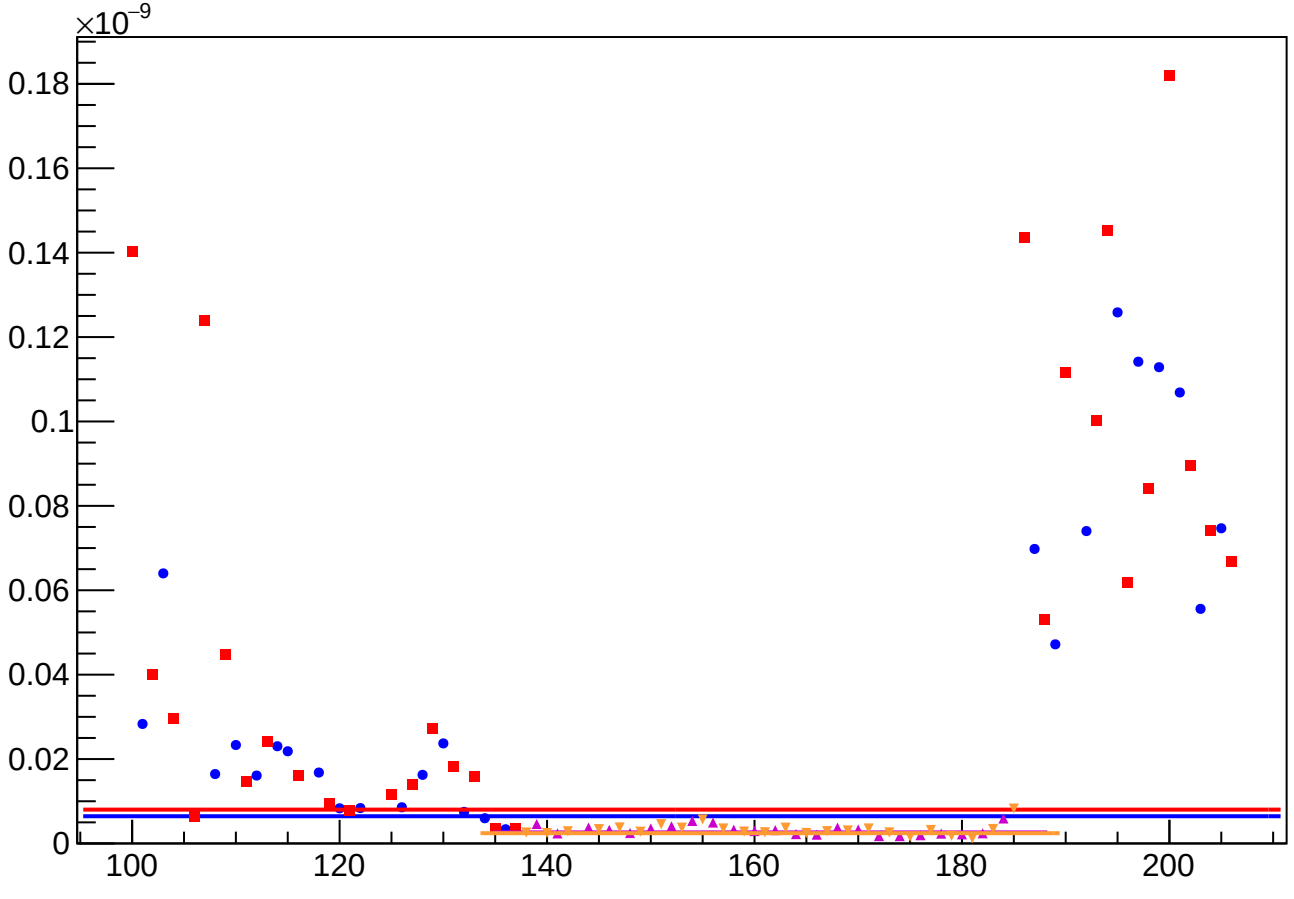
Right: -0.000+/-0.000 χ^2/NDF: 51.9/53

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:61.2/52

All: 0.000+/-0.000 χ^2/NDF: 104.2/100

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9544848.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11741979.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

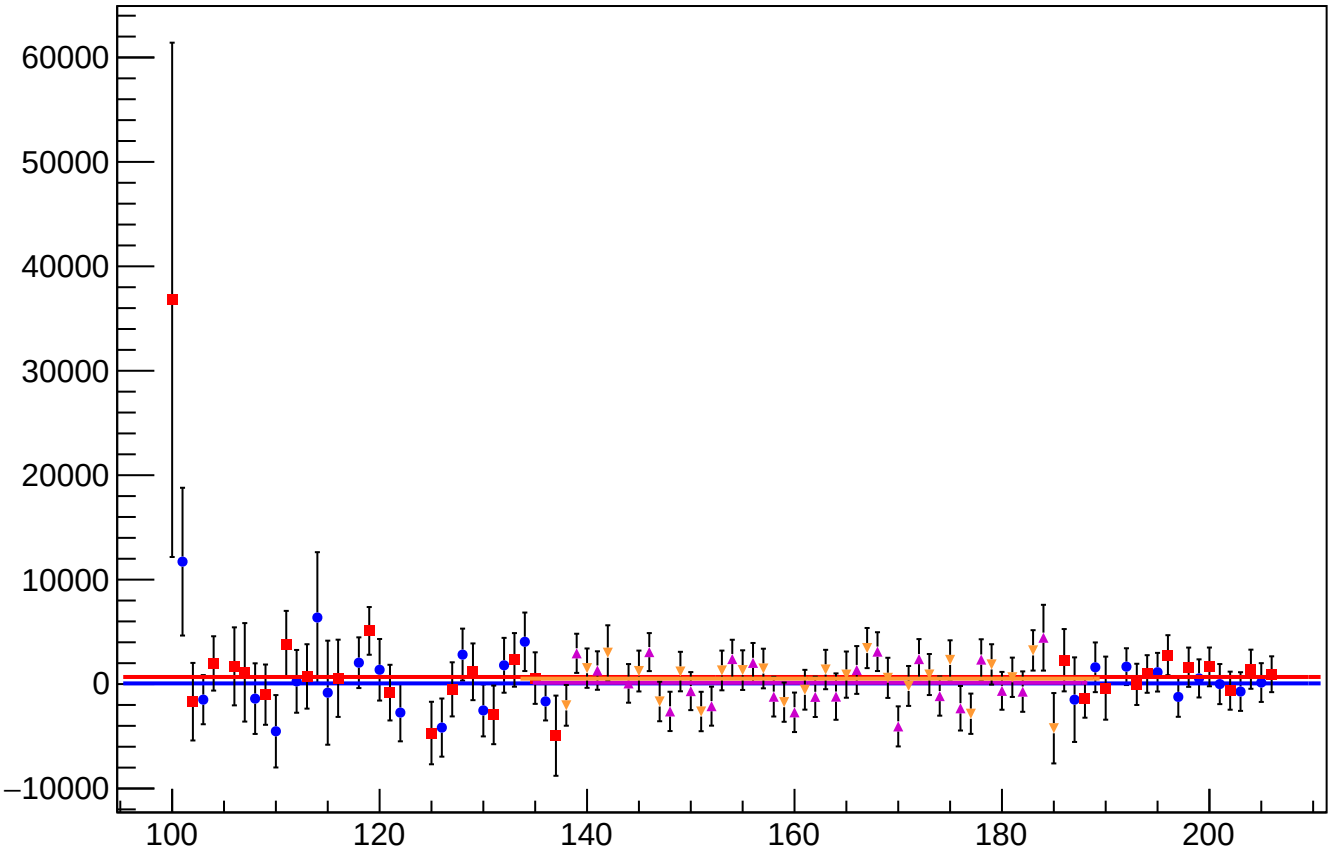
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 21418375.8/53

In: 0.000+/-0.000 χ^2/NDF:13333490.6/47

Out: 0.000+/-0.000 χ^2/NDF:17274224.6/52

All: 0.000+/-0.000 χ^2/NDF: 30669997.2/100



Right In: 64.601+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 679.290+/-455.467 χ^2/NDF: 20.1/28

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

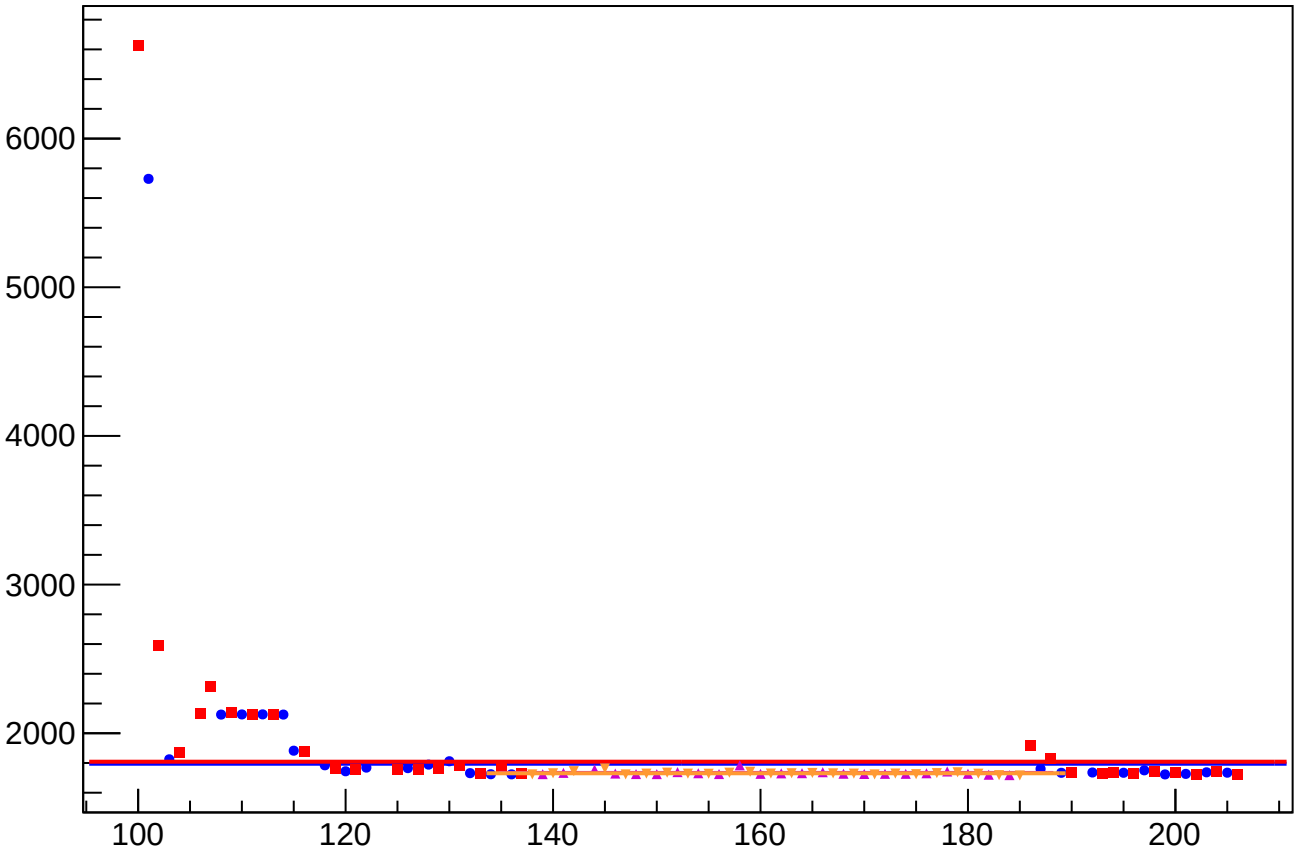
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 390.586+/-331.686 χ^2/NDF: 39.4/53

In: 100.758+/-310.431 χ^2/NDF:47.9/47

Out: 589.654+/-301.272 χ^2/NDF:40.9/52

All: 352.524+/-216.197 χ^2/NDF: 90.1/100



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.5/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1808.596+/-0.322 χ^2/NDF: 310913.5/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

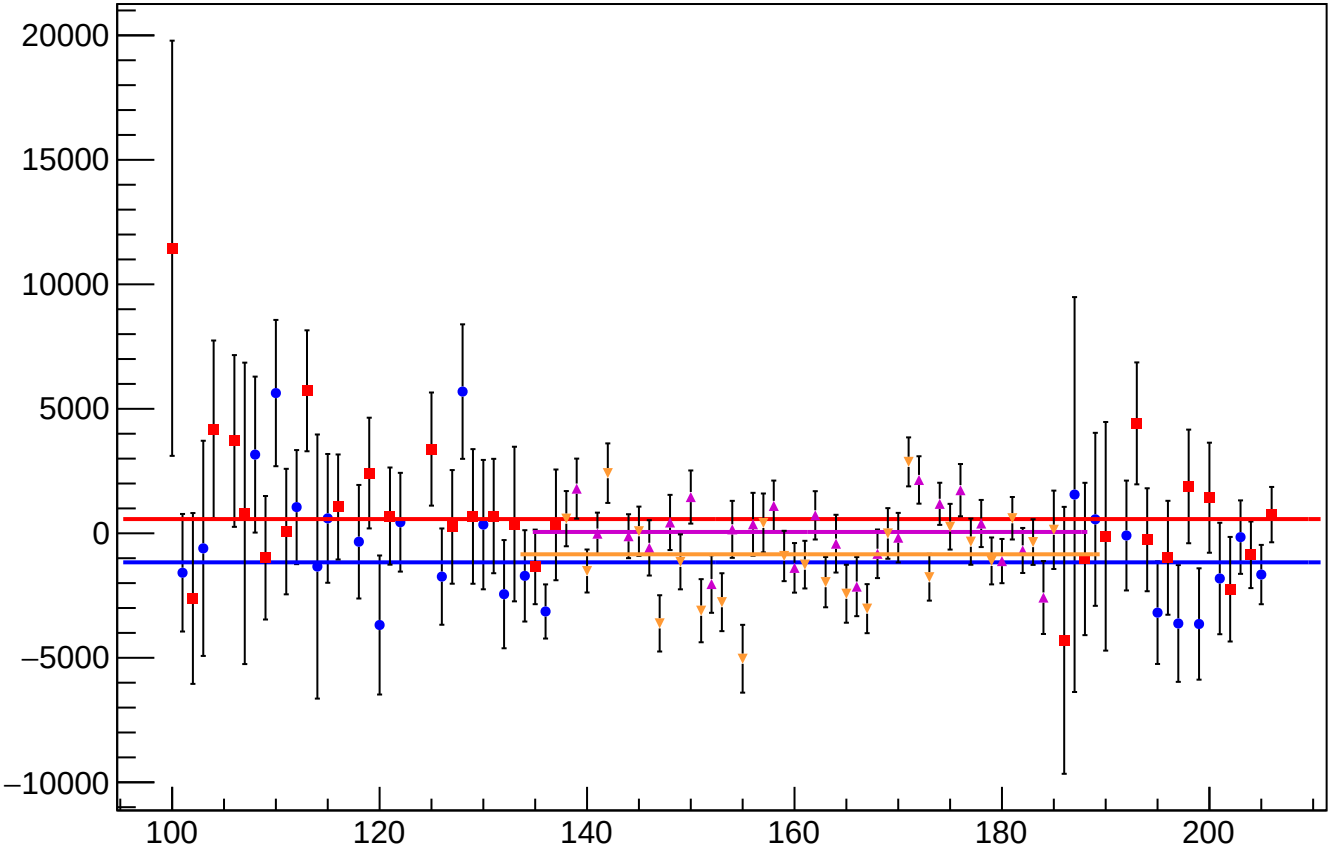
Right: 1802.207+/-0.235 χ^2/NDF: 1021776.0/53

In: 1758.508+/-0.220 χ^2/NDF:731571.0/47

Out: 1764.864+/-0.213 χ^2/NDF:344663.2/52

All: 1761.781+/-0.153 χ^2/NDF: 1076666.0/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1165.797+/-422.825 χ^2/NDF: 25.5/24

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 571.955+/-418.644 χ^2/NDF: 21.0/28

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

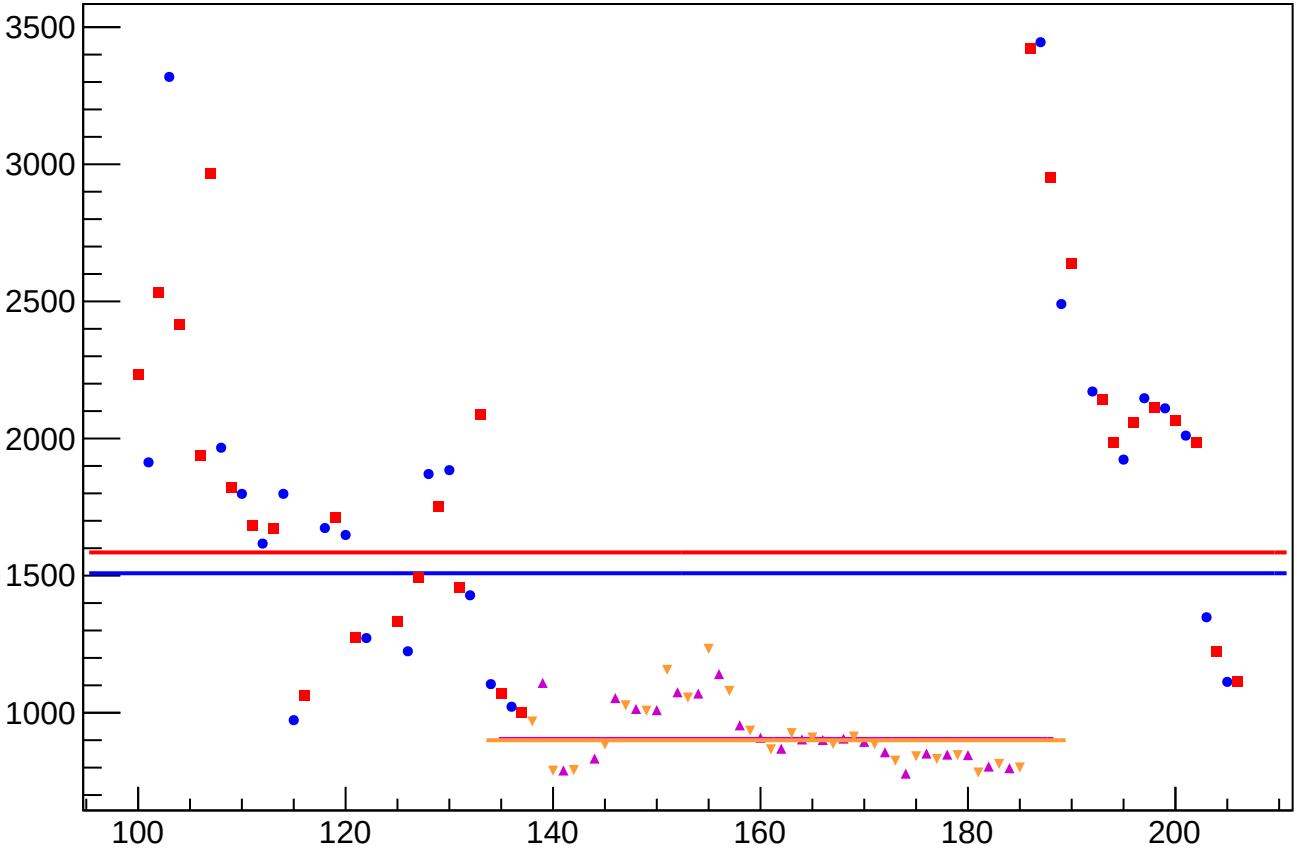
Right: -288.287+/-297.493 χ^2/NDF: 55.0/53

In: -192.906+/-190.202 χ^2/NDF:62.8/47

Out: -556.247+/-188.316 χ^2/NDF:92.8/52

All: -376.387+/-133.821 χ^2/NDF: 157.4/100

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1508.698+/-0.299 χ^2/NDF: 2411644.8/24

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1584.656+/-0.296 χ^2/NDF: 2850696.0/28

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

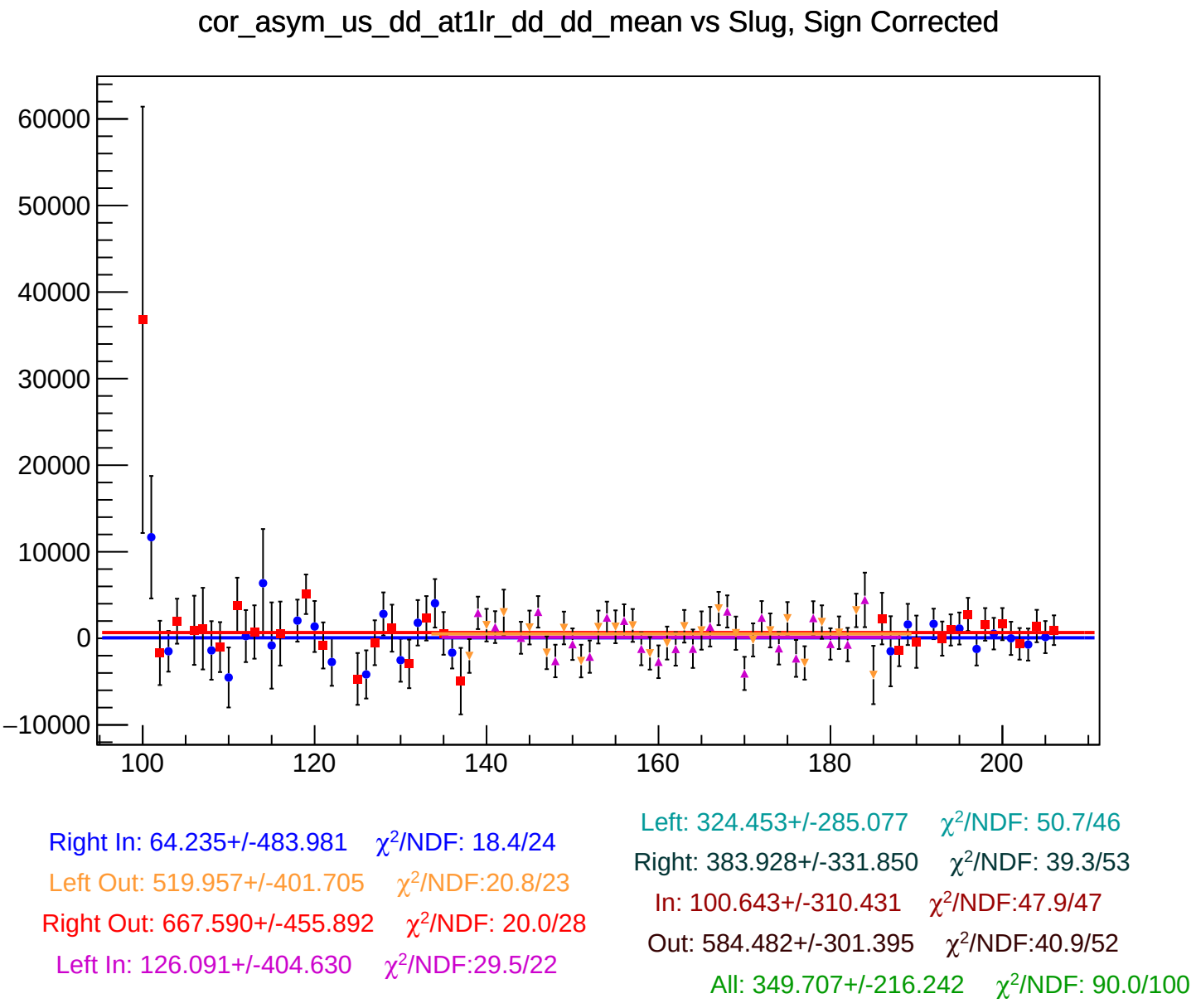
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

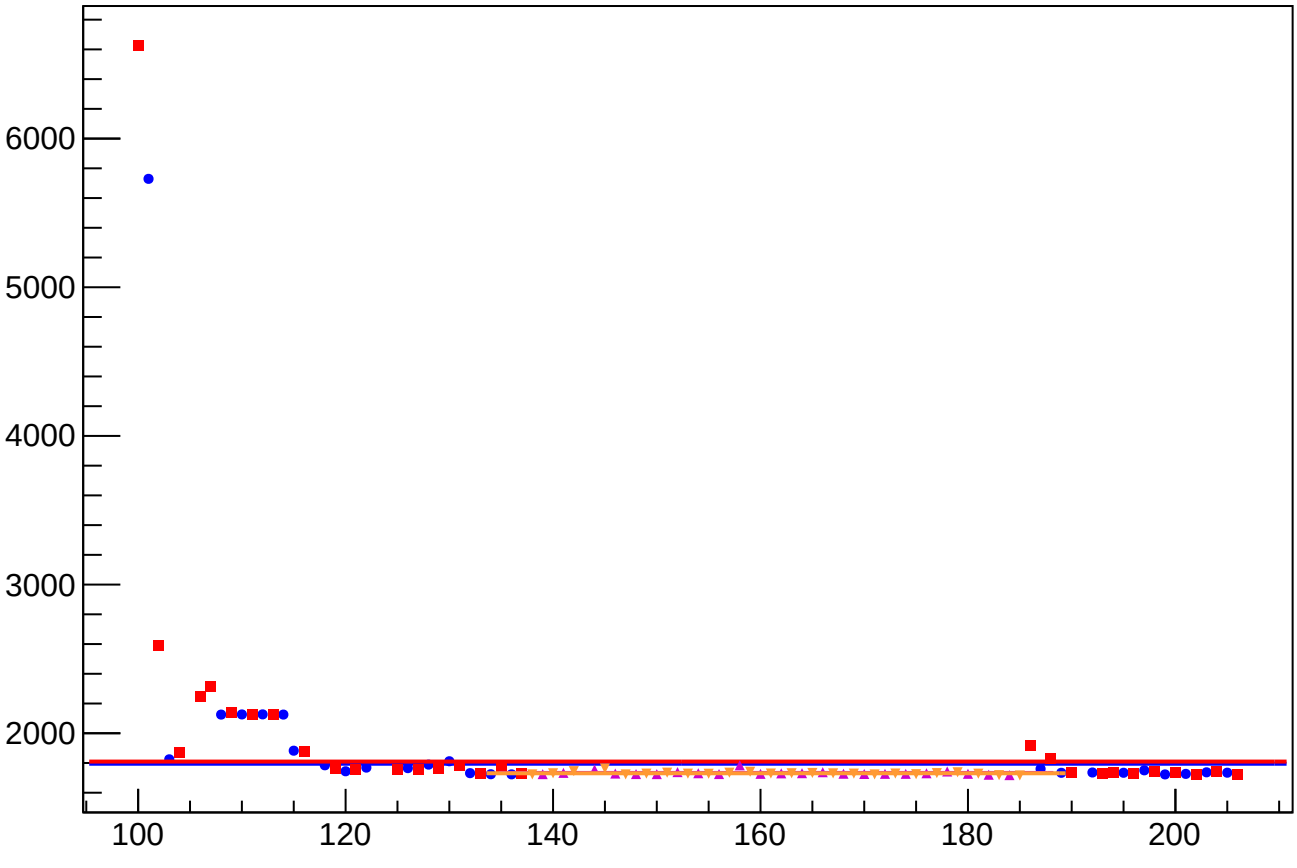
Right: 1547.054+/-0.210 χ^2/NDF: 5294933.5/53

In: 1026.886+/-0.134 χ^2/NDF:6119664.9/47

Out: 1038.384+/-0.133 χ^2/NDF:7615177.6/52

All: 1032.692+/-0.095 χ^2/NDF: 13738533.2/1


cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 64.235+/-483.981 χ²/NDF: 18.4/24
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 667.590+/-455.892 χ²/NDF: 20.0/28
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 383.928+/-331.850 χ²/NDF: 39.3/53
In: 100.643+/-310.431 χ²/NDF:47.9/47
Out: 584.482+/-301.395 χ²/NDF:40.9/52
All: 349.707+/-216.242 χ²/NDF: 90.0/100



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

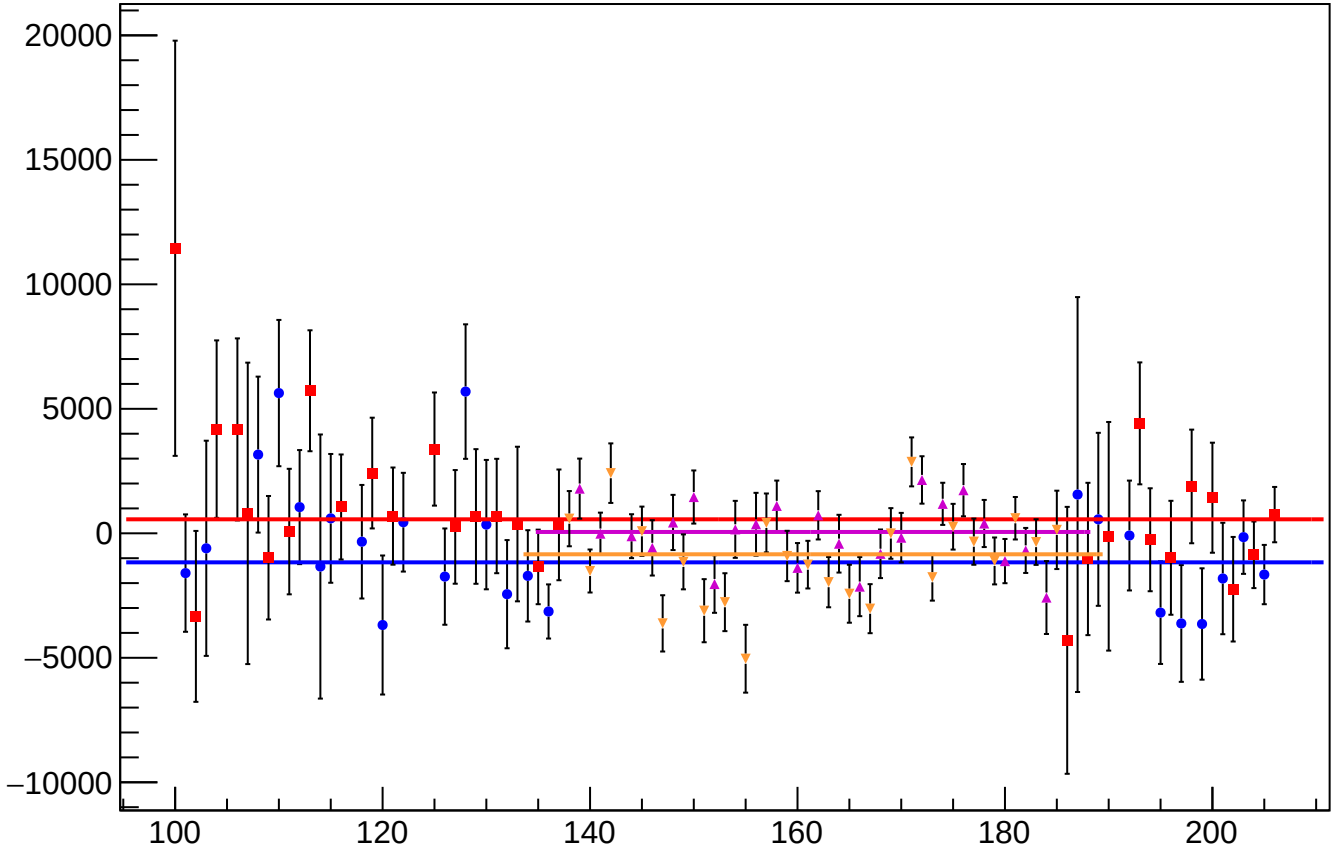
Right: 1802.686+/-0.235 χ^2/NDF: 1031182.4/53

In: 1758.508+/-0.220 χ^2/NDF:731570.9/47

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.968+/-0.153 χ^2/NDF: 1086749.0/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

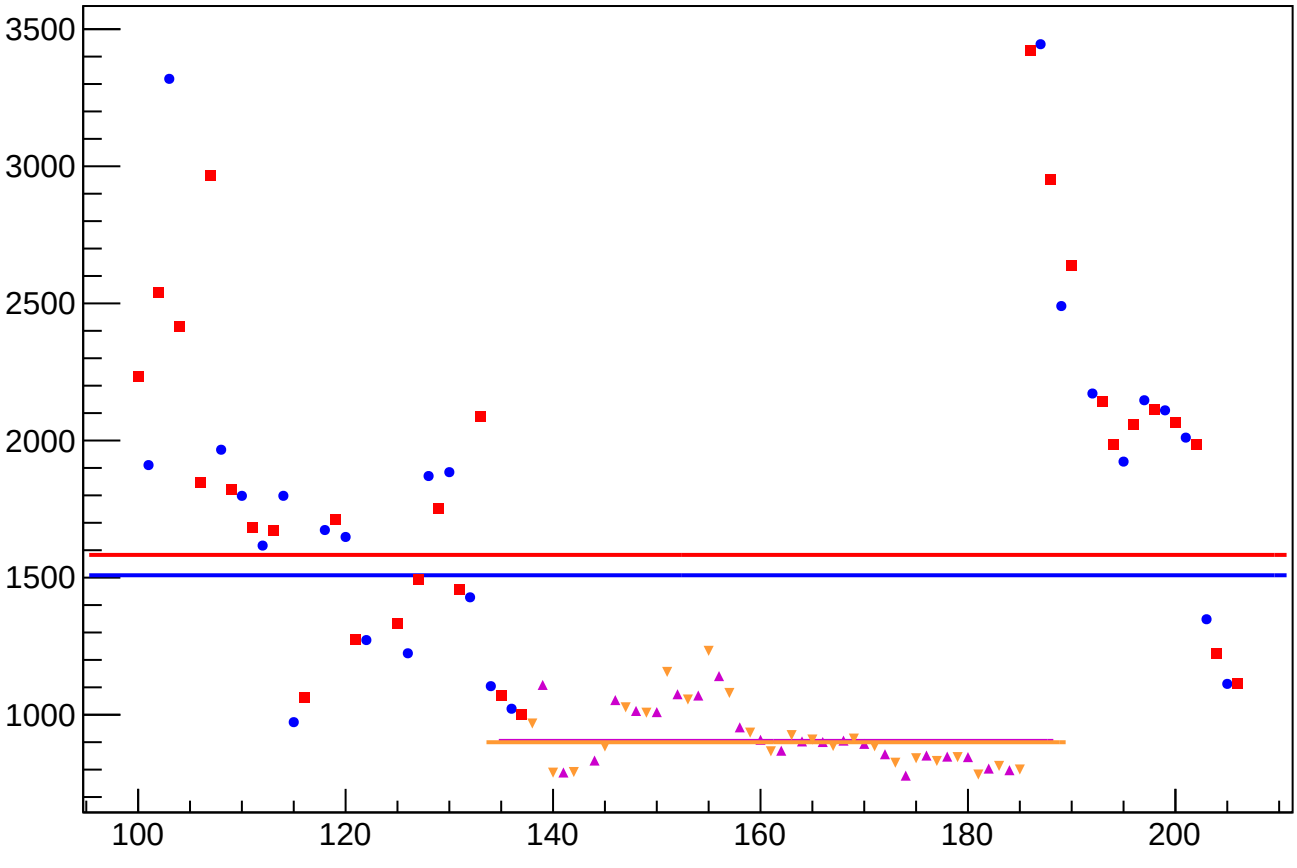
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -294.101+/-297.608 χ^2/NDF: 55.5/53

In: -192.992+/-190.200 χ^2/NDF:62.8/47

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -377.580+/-133.832 χ^2/NDF: 157.9/100



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

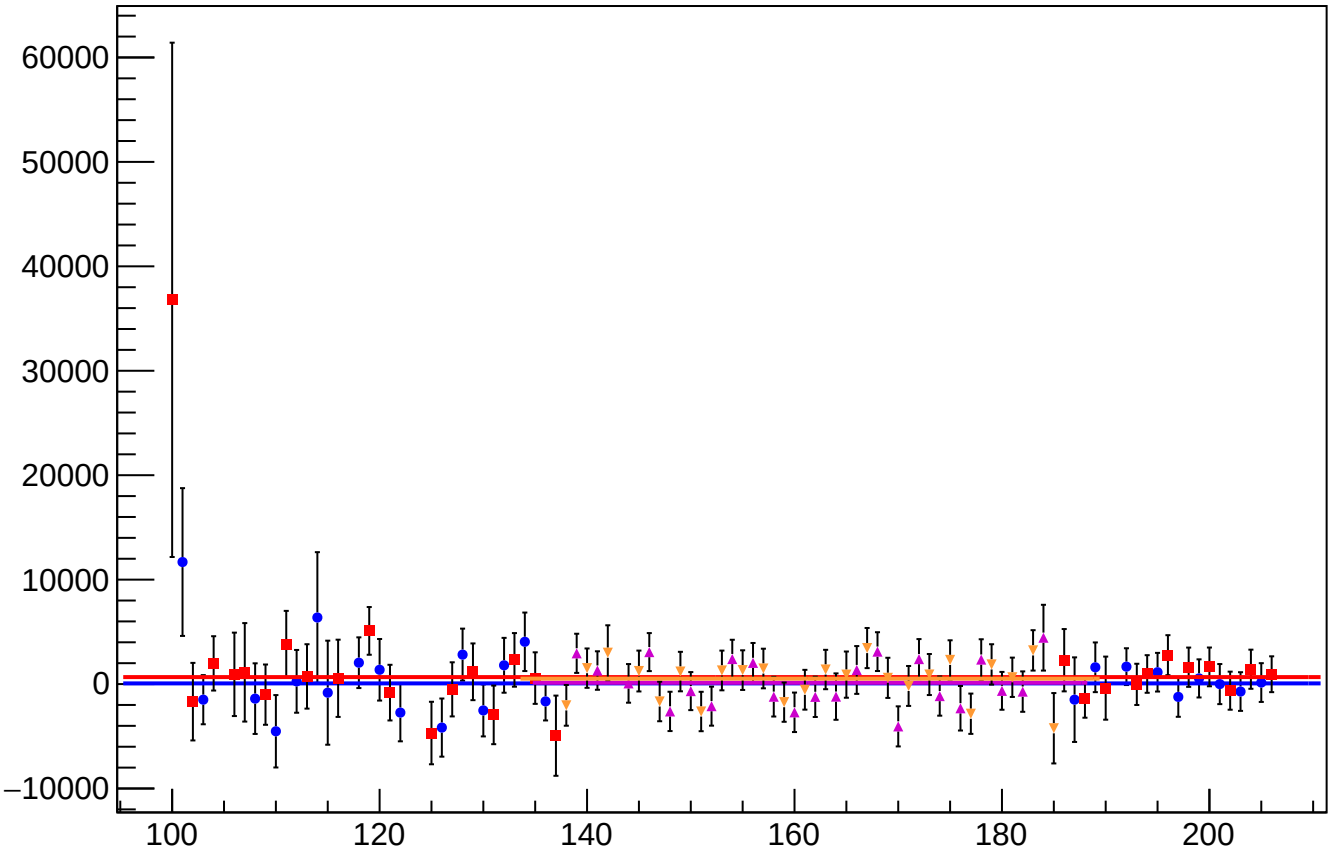
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1546.117+/-0.210 χ^2/NDF: 5283815.3/53

In: 1026.881+/-0.134 χ^2/NDF:6118843.5/47

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1032.422+/-0.095 χ^2/NDF: 13701021.2/



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 667.590+/-455.892 χ^2/NDF: 20.0/28

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

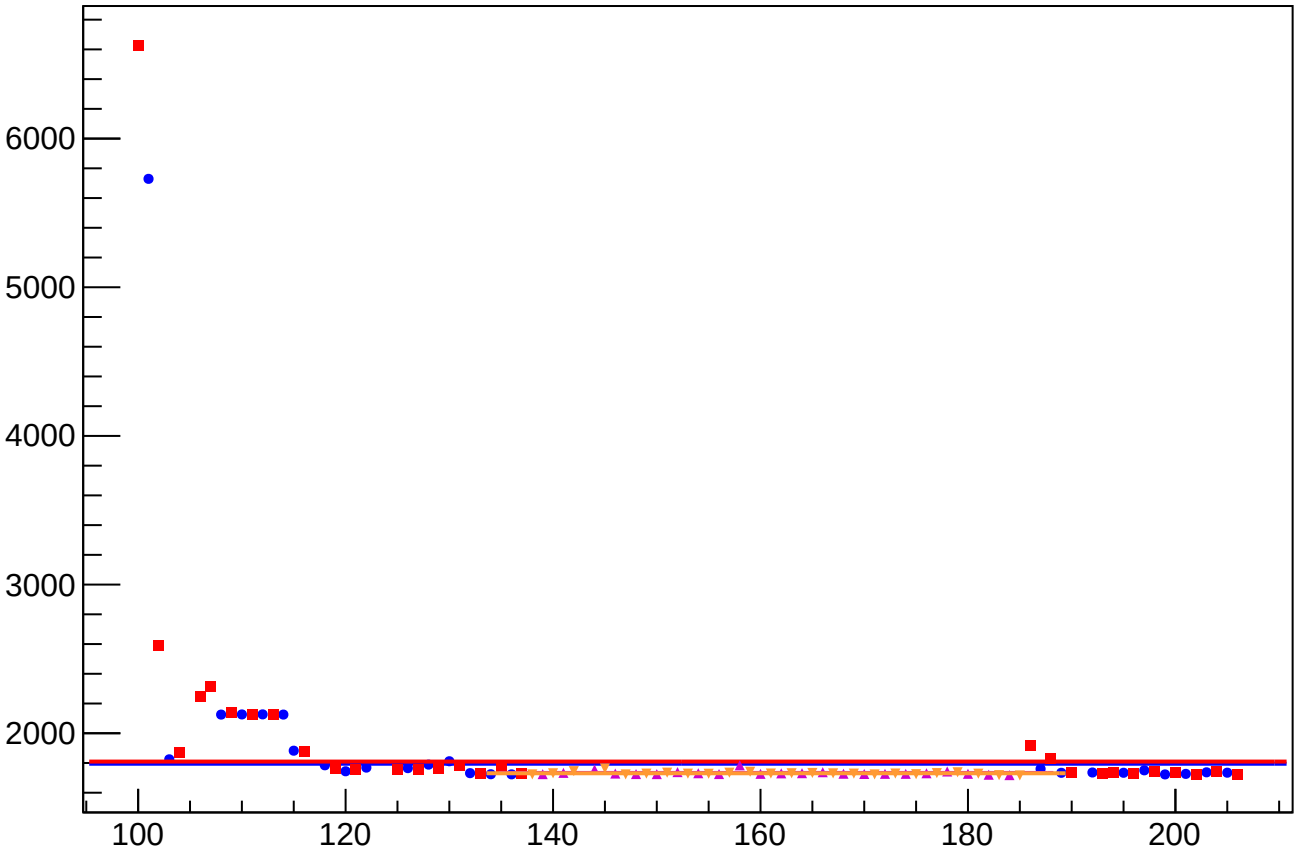
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 383.928+/-331.850 χ^2/NDF: 39.3/53

In: 100.643+/-310.431 χ^2/NDF:47.9/47

Out: 584.482+/-301.395 χ^2/NDF:40.9/52

All: 349.707+/-216.242 χ^2/NDF: 90.0/100



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

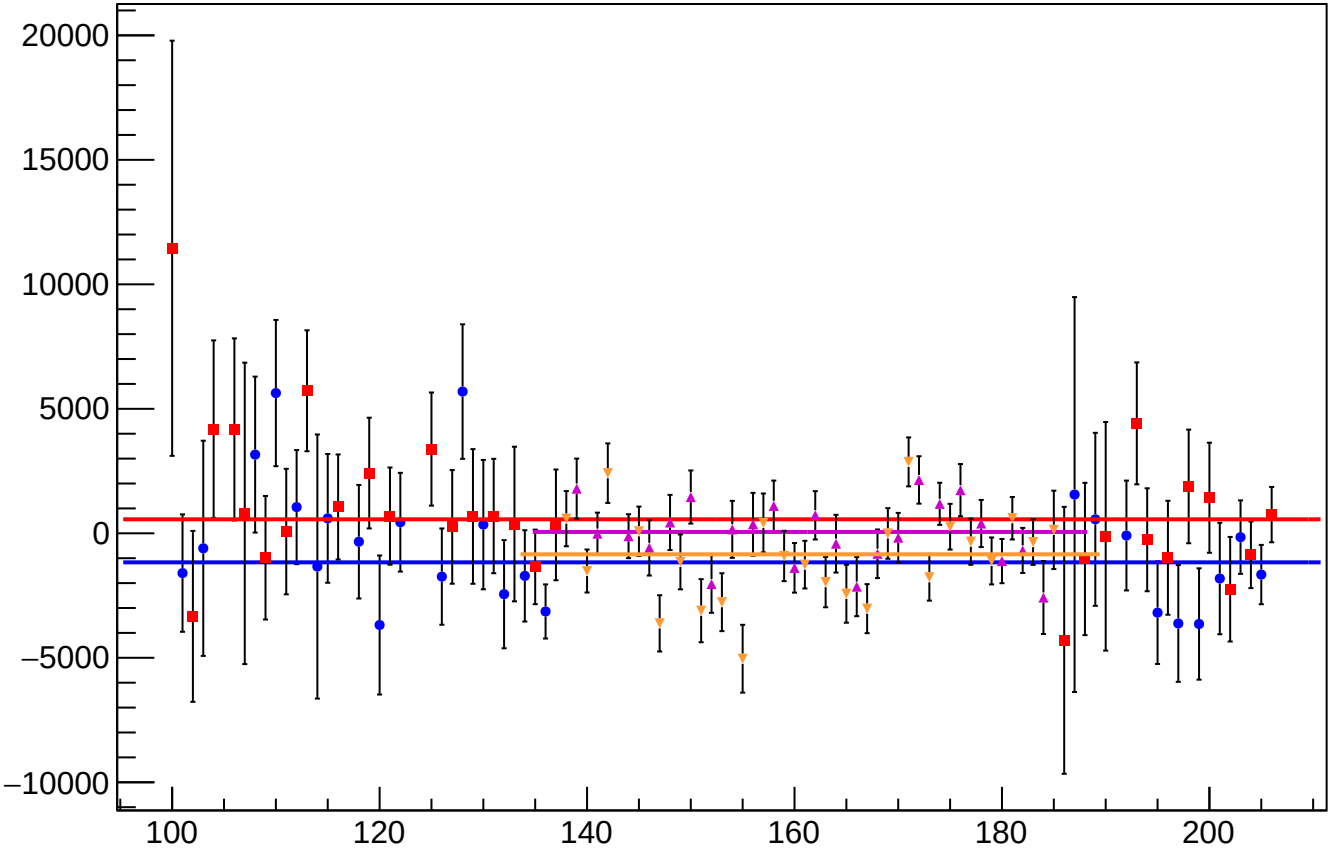
Right: 1802.686+/-0.235 χ^2/NDF: 1031182.4/53

In: 1758.508+/-0.220 χ^2/NDF:731570.9/47

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.968+/-0.153 χ^2/NDF: 1086749.0/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

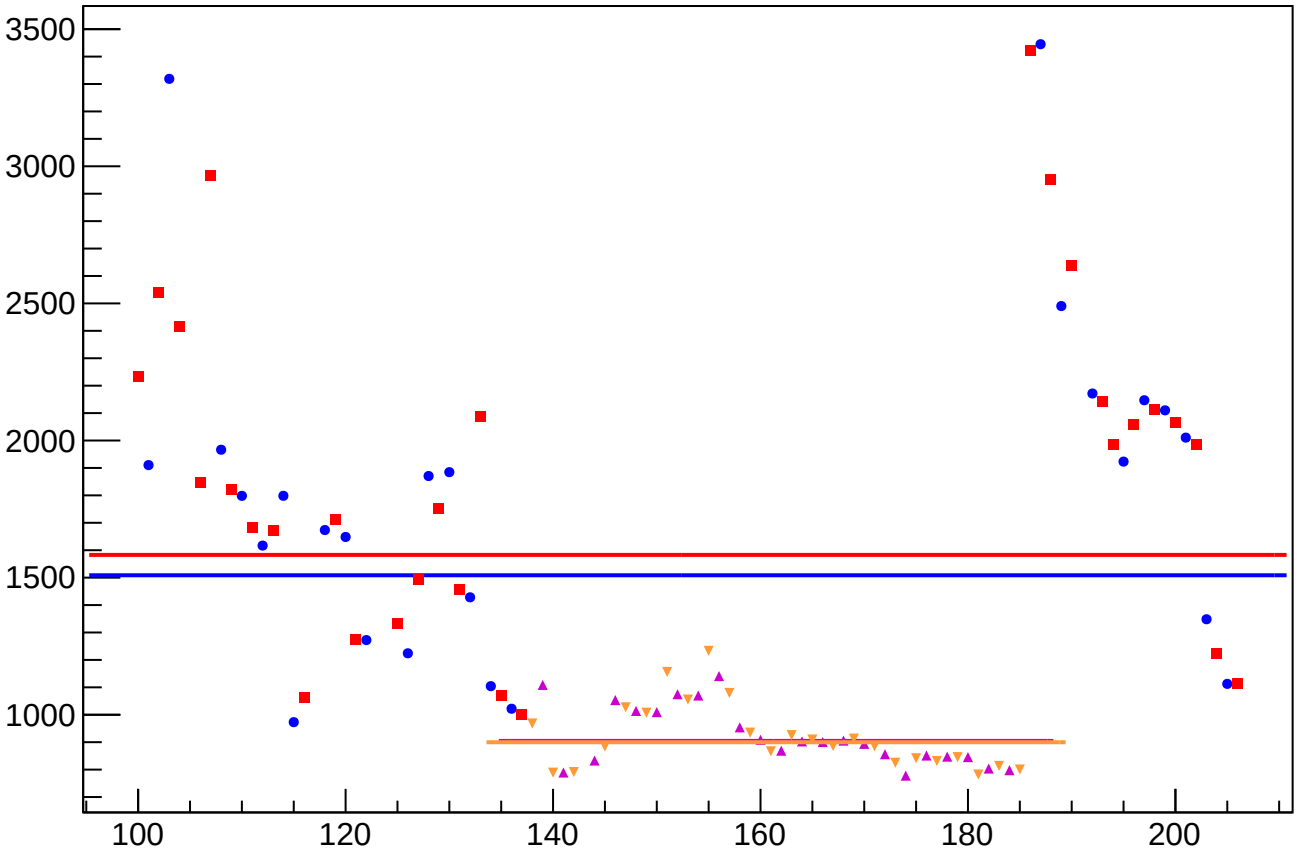
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -294.101+/-297.608 χ^2/NDF: 55.5/53

In: -192.992+/-190.200 χ^2/NDF:62.8/47

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -377.580+/-133.832 χ^2/NDF: 157.9/100



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

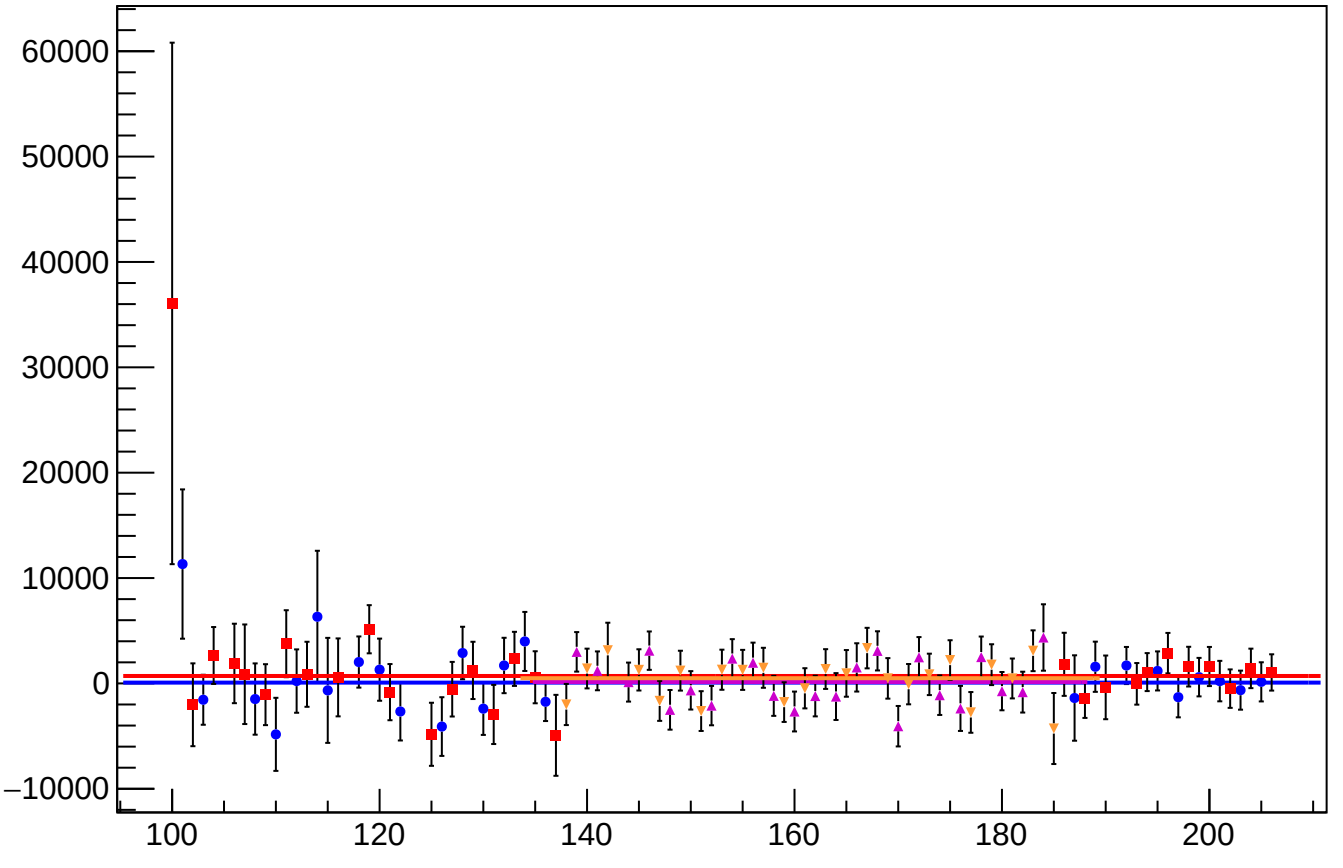
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1546.117+/-0.210 χ^2/NDF: 5283815.3/53

In: 1026.881+/-0.134 χ^2/NDF:6118843.5/47

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1032.422+/-0.095 χ^2/NDF: 13701021.2/



Right In: 76.165+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 705.545+/-456.920 χ^2/NDF: 20.6/28

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

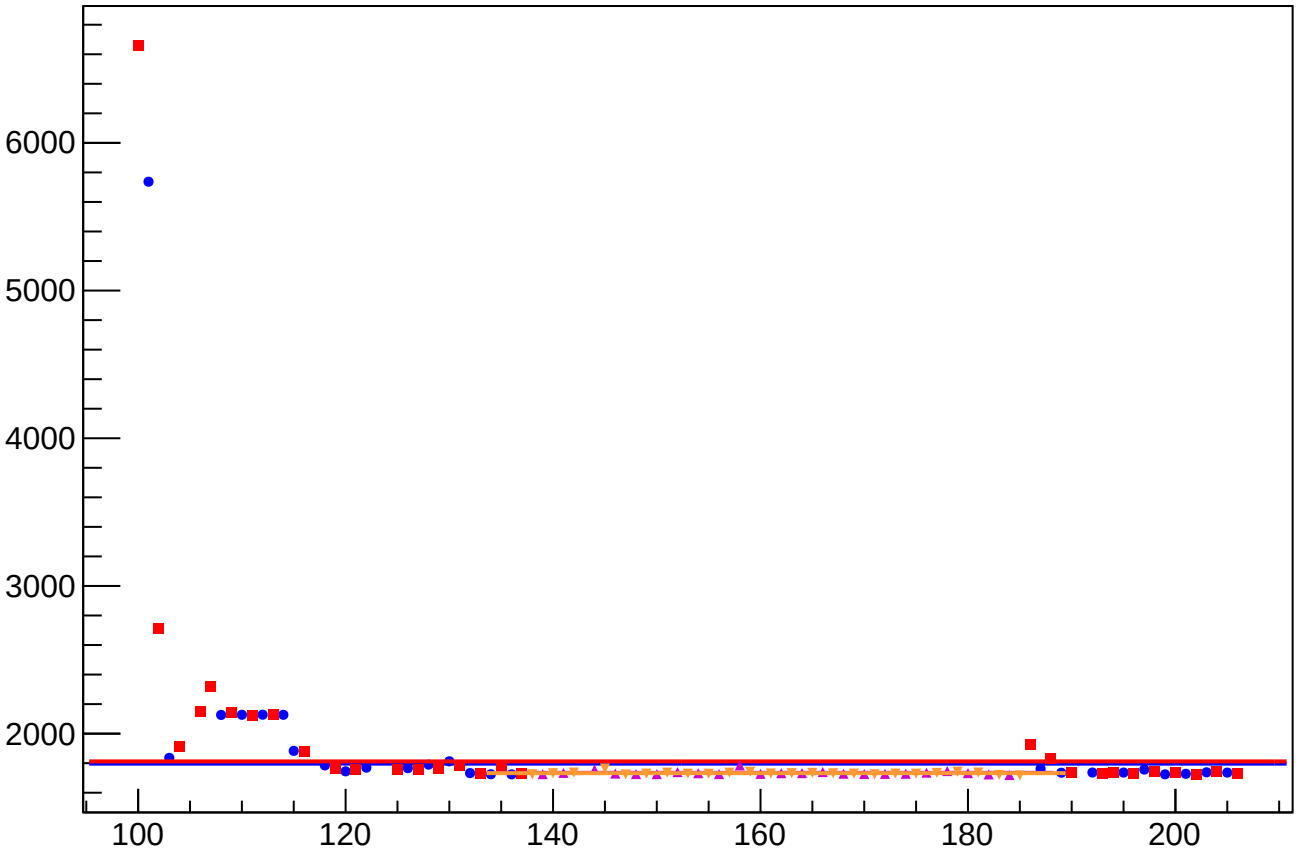
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 409.296+/-332.423 χ^2/NDF: 39.8/53

In: 112.074+/-310.740 χ^2/NDF:47.9/47

Out: 586.825+/-301.845 χ^2/NDF:40.7/52

All: 356.341+/-216.513 χ^2/NDF: 89.9/100



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1811.989+/-0.323 χ^2/NDF: 330692.0/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

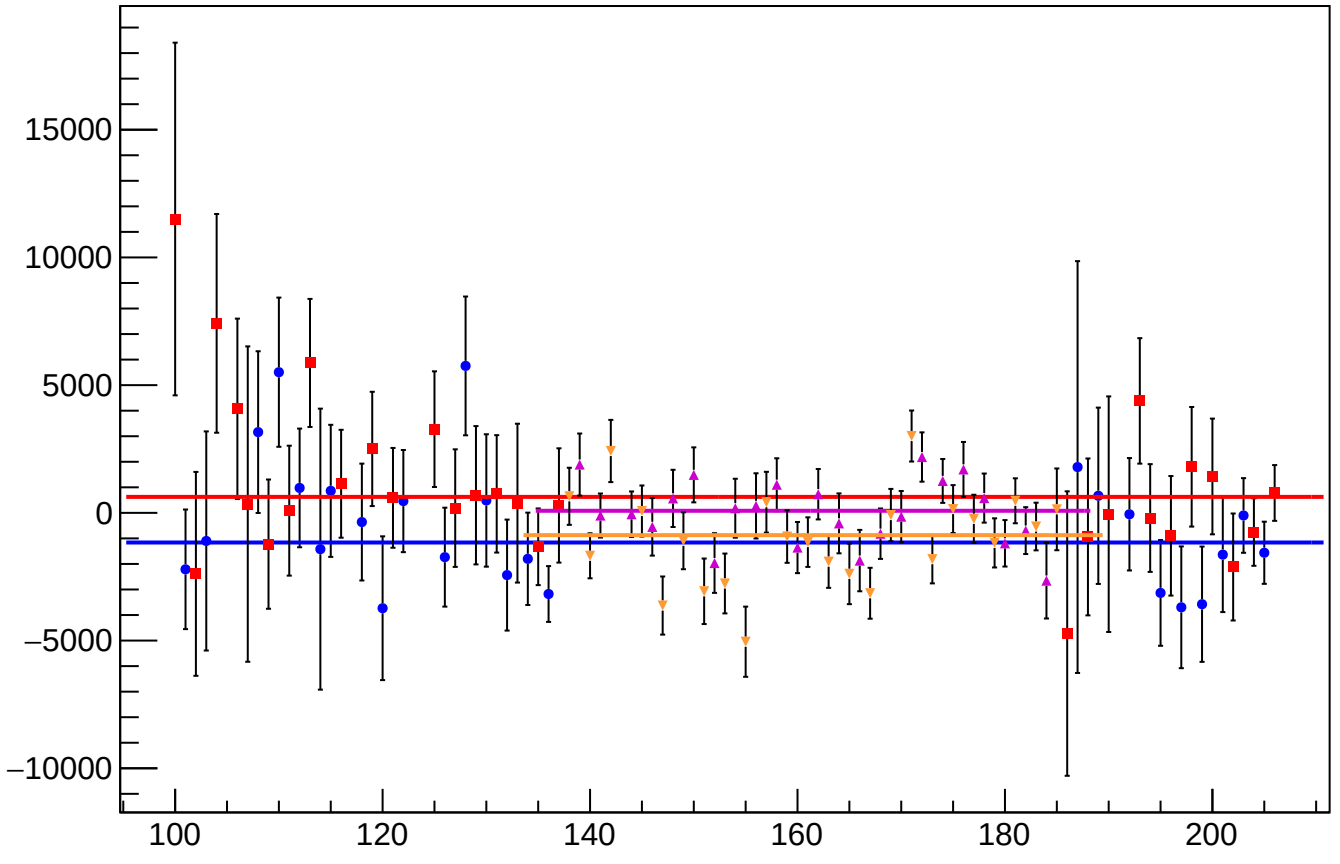
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

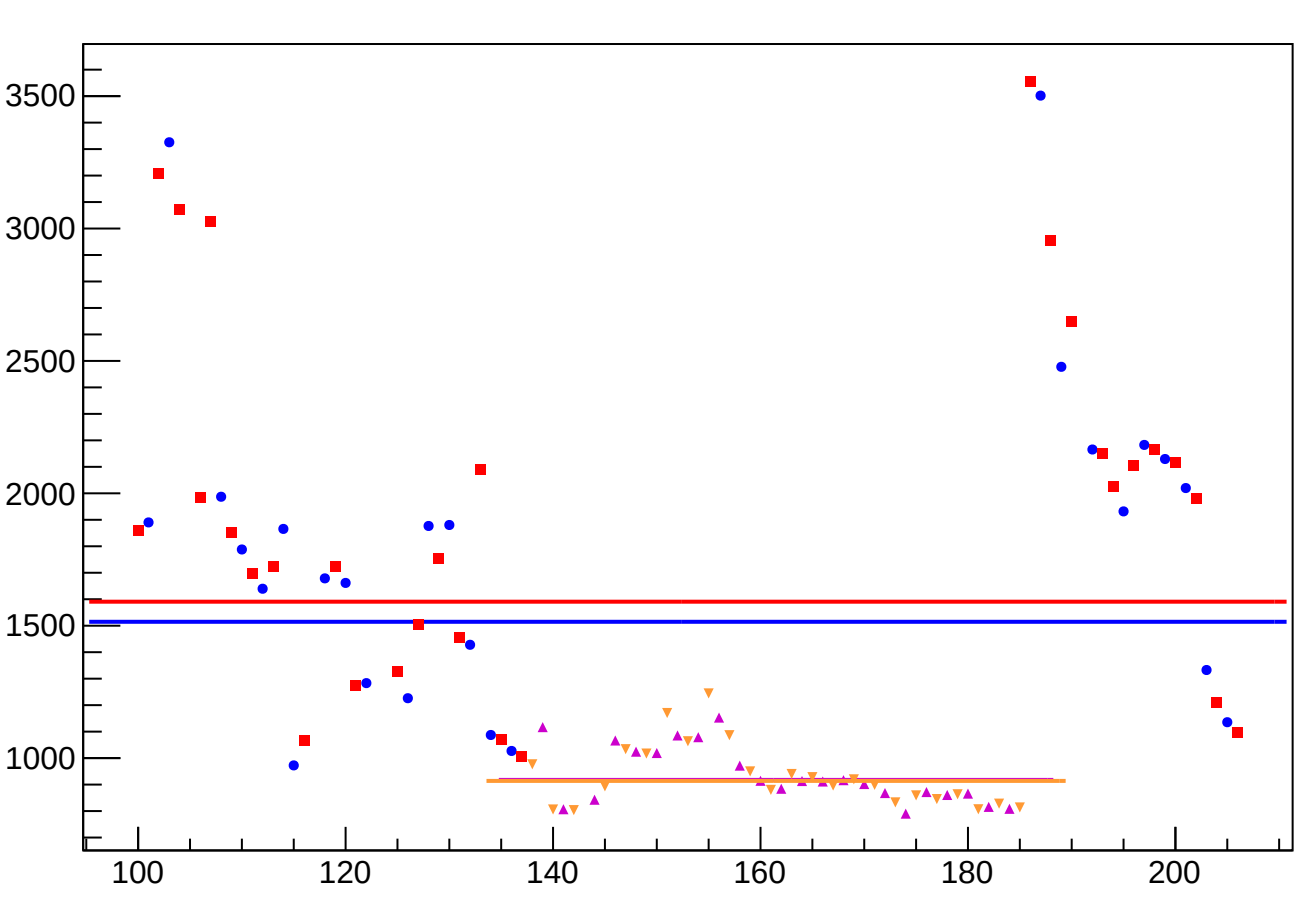
Right: 1804.876+/-0.235 χ^2/NDF: 1042049.4/53

In: 1760.196+/-0.220 χ^2/NDF:732014.3/47

Out: 1767.127+/-0.213 χ^2/NDF:365812.2/52

All: 1763.762+/-0.153 χ^2/NDF: 1098338.5/10


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1160.695+/-424.514 χ²/NDF: 25.7/24
Left Out: -872.827+/-214.008 χ²/NDF:62.0/23
Right Out: 625.779+/-421.337 χ²/NDF: 22.7/28
Left In: 81.519+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: -260.749+/-299.047 χ²/NDF: 57.4/53
In: -173.782+/-192.451 χ²/NDF:62.5/47
Out: -565.494+/-190.806 χ²/NDF:94.7/52
All: -371.320+/-135.498 χ²/NDF: 159.3/100



Right In: 1514.817+/-0.300 χ^2/NDF: 2412739.0/24

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1590.722+/-0.298 χ^2/NDF: 3298975.5/28

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

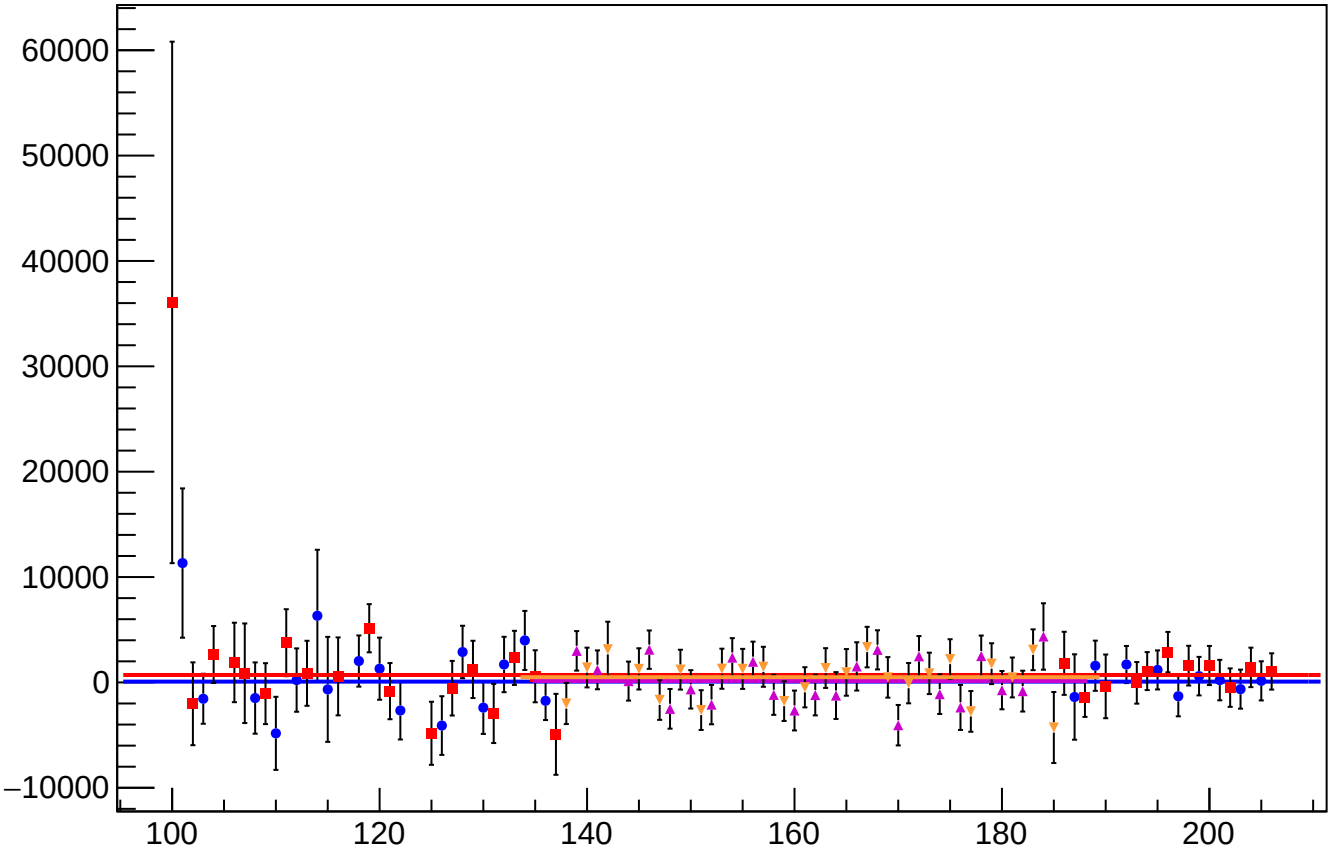
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1553.054+/-0.211 χ^2/NDF: 5743925.7/53

In: 1040.400+/-0.136 χ^2/NDF:5987253.5/47

Out: 1052.701+/-0.135 χ^2/NDF:7864285.5/52

All: 1046.603+/-0.096 χ^2/NDF: 13855659.9/1



Right In: 76.166+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 705.545+/-456.920 χ^2/NDF: 20.6/28

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

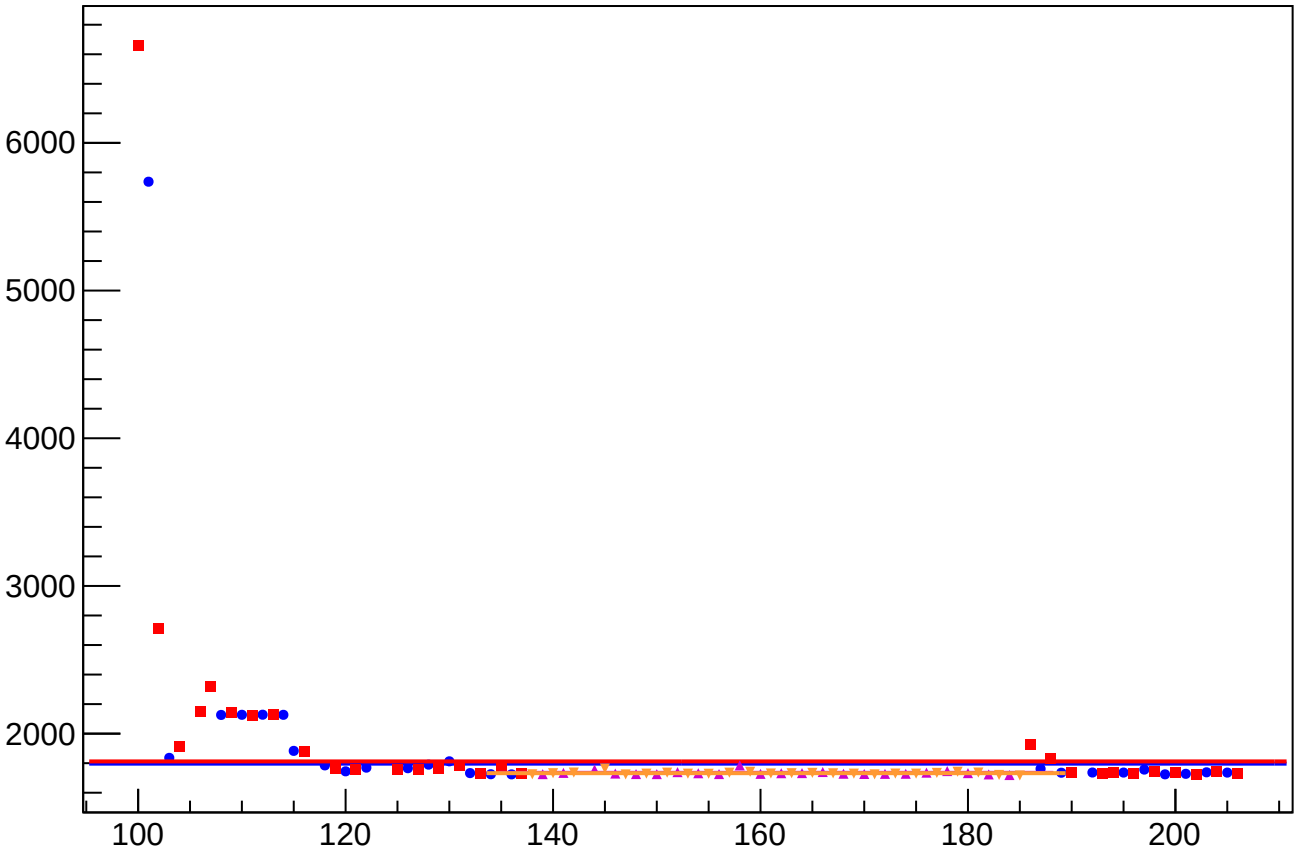
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 409.297+/-332.423 χ^2/NDF: 39.8/53

In: 112.075+/-310.740 χ^2/NDF:47.9/47

Out: 586.825+/-301.845 χ^2/NDF:40.7/52

All: 356.342+/-216.513 χ^2/NDF: 89.9/100



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1811.989+/-0.323 χ^2/NDF: 330691.7/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

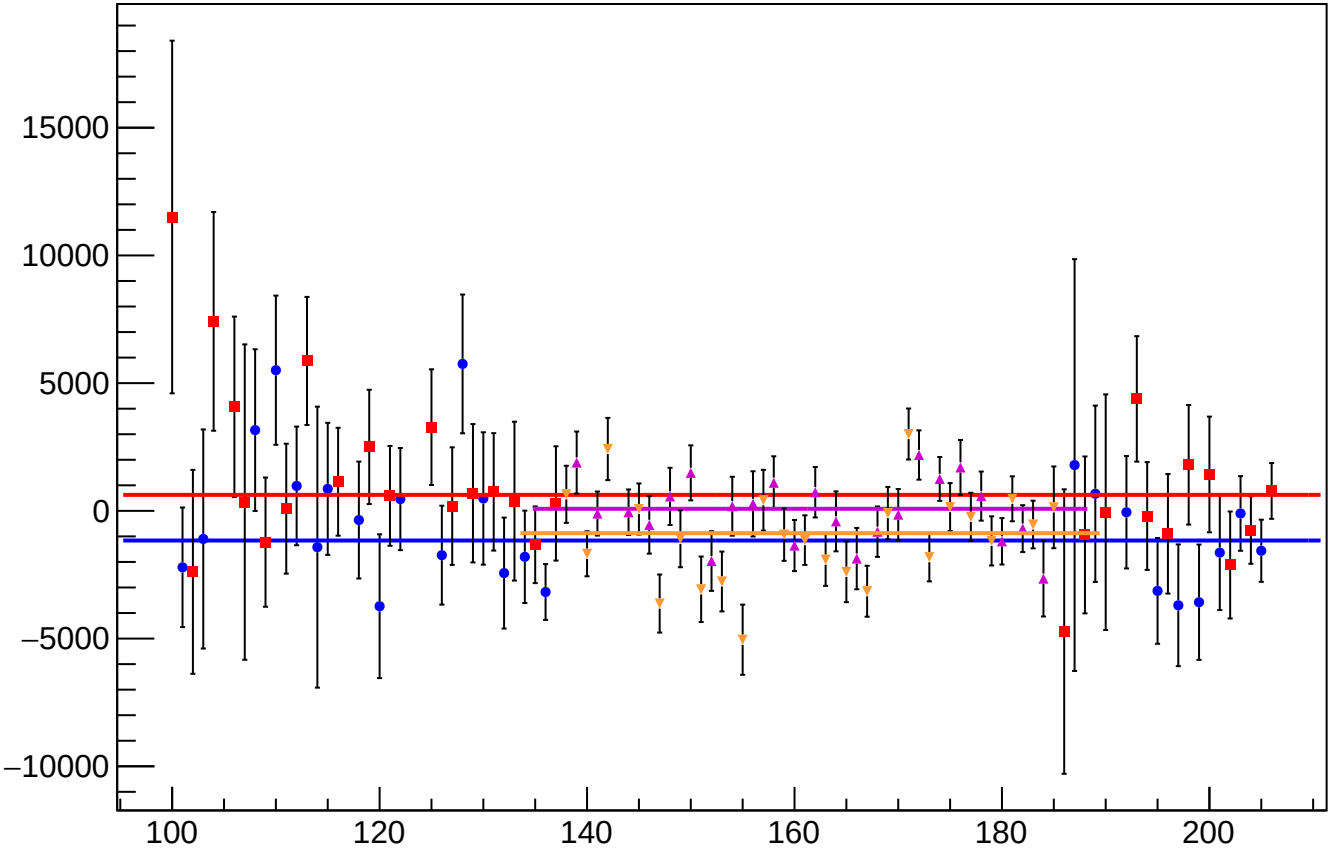
Right: 1804.876+/-0.235 χ^2/NDF: 1042049.1/53

In: 1760.196+/-0.220 χ^2/NDF:732014.3/47

Out: 1767.127+/-0.213 χ^2/NDF:365811.9/52

All: 1763.762+/-0.153 χ^2/NDF: 1098338.2/10

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1160.691+/-424.513 χ^2/NDF: 25.7/24

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 625.781+/-421.337 χ^2/NDF: 22.7/28

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

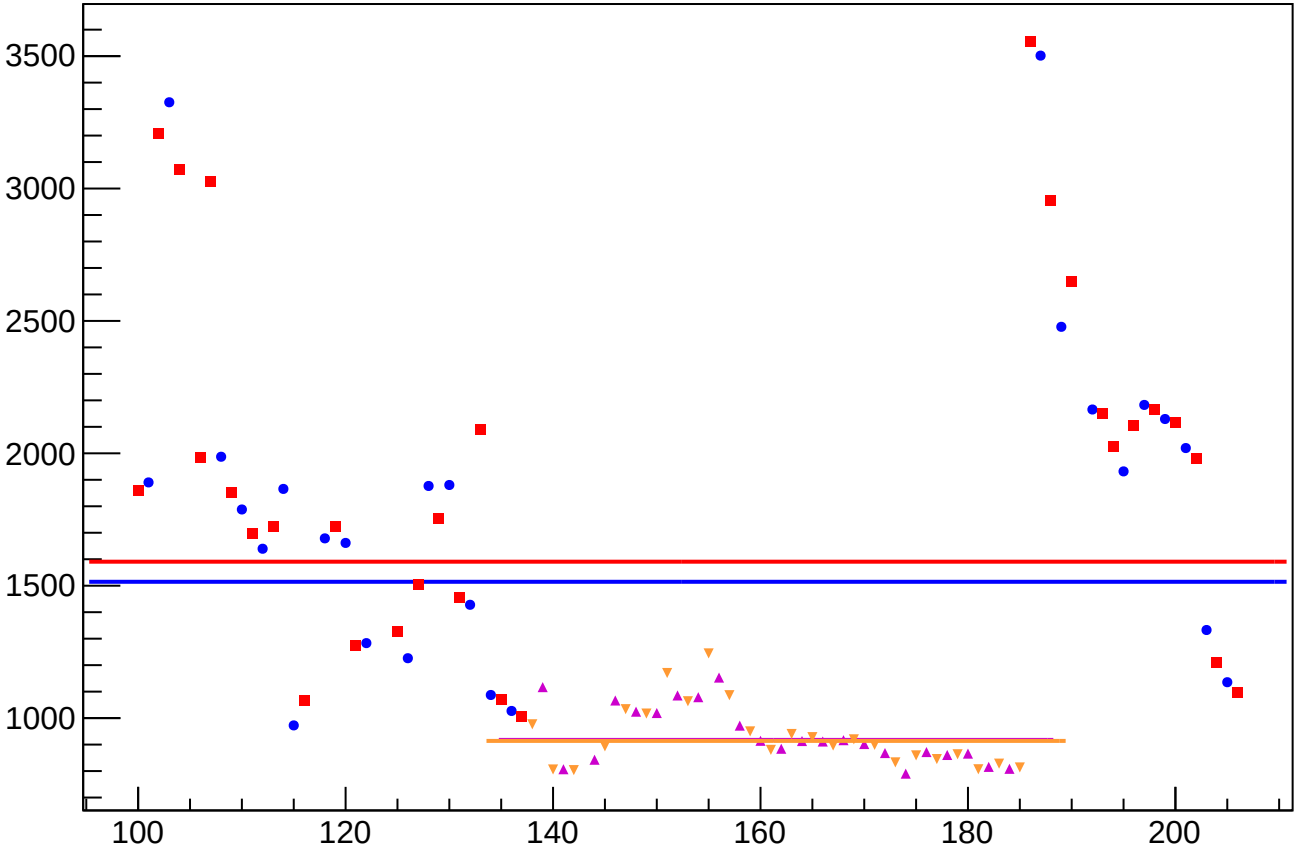
Right: -260.746+/-299.047 χ^2/NDF: 57.4/53

In: -173.783+/-192.451 χ^2/NDF:62.5/47

Out: -565.492+/-190.806 χ^2/NDF:94.7/52

All: -371.319+/-135.498 χ^2/NDF: 159.3/100

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1514.815+/-0.300 χ^2/NDF: 2412739.3/24

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1590.720+/-0.298 χ^2/NDF: 3298983.1/28

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

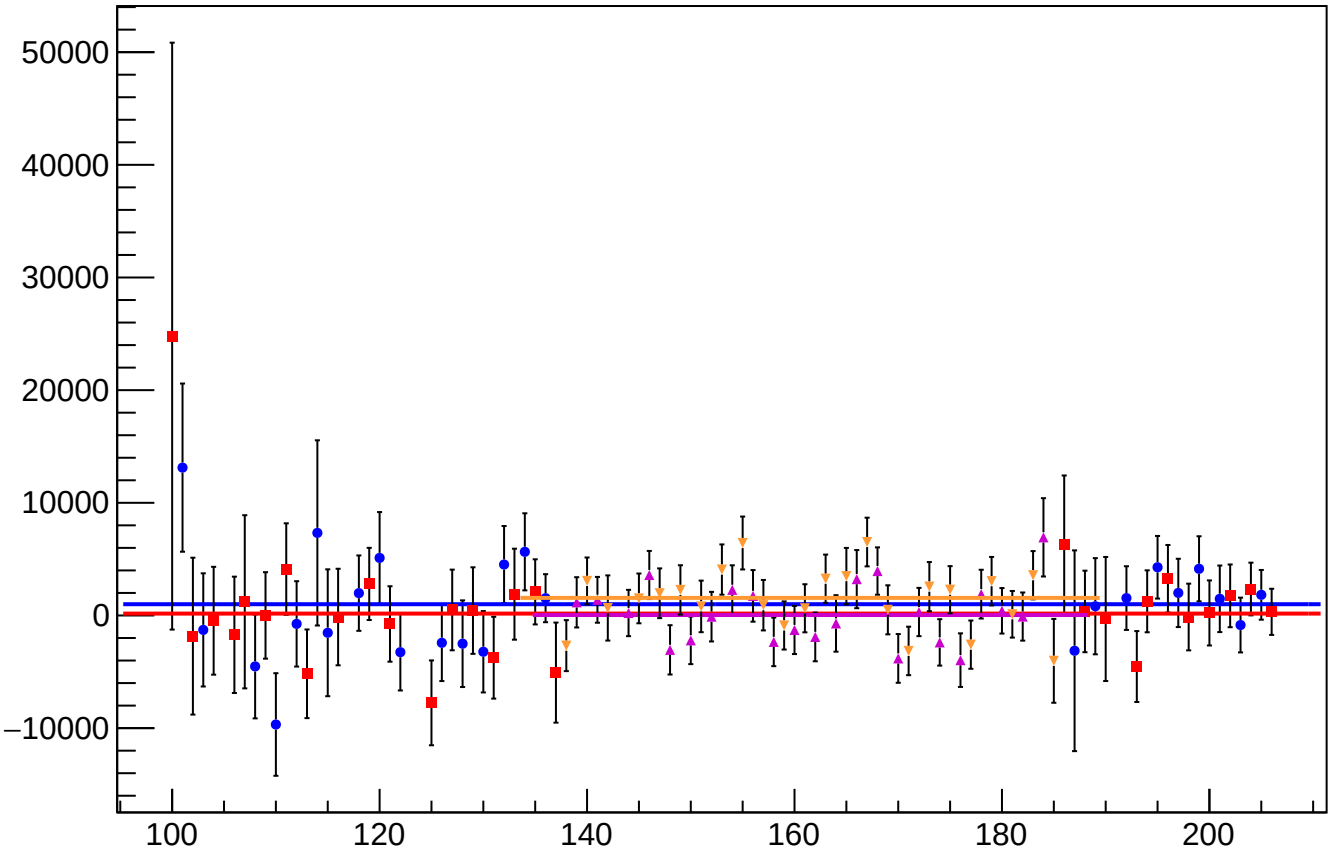
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1553.053+/-0.211 χ^2/NDF: 5743933.5/53

In: 1040.399+/-0.136 χ^2/NDF:5987257.0/47

Out: 1052.701+/-0.135 χ^2/NDF:7864290.0/52

All: 1046.603+/-0.096 χ^2/NDF: 13855668.0/1



Right In: 1000.250+/-679.338 χ^2/NDF: 23.3/24

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 167.108+/-653.286 χ^2/NDF: 18.0/28

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

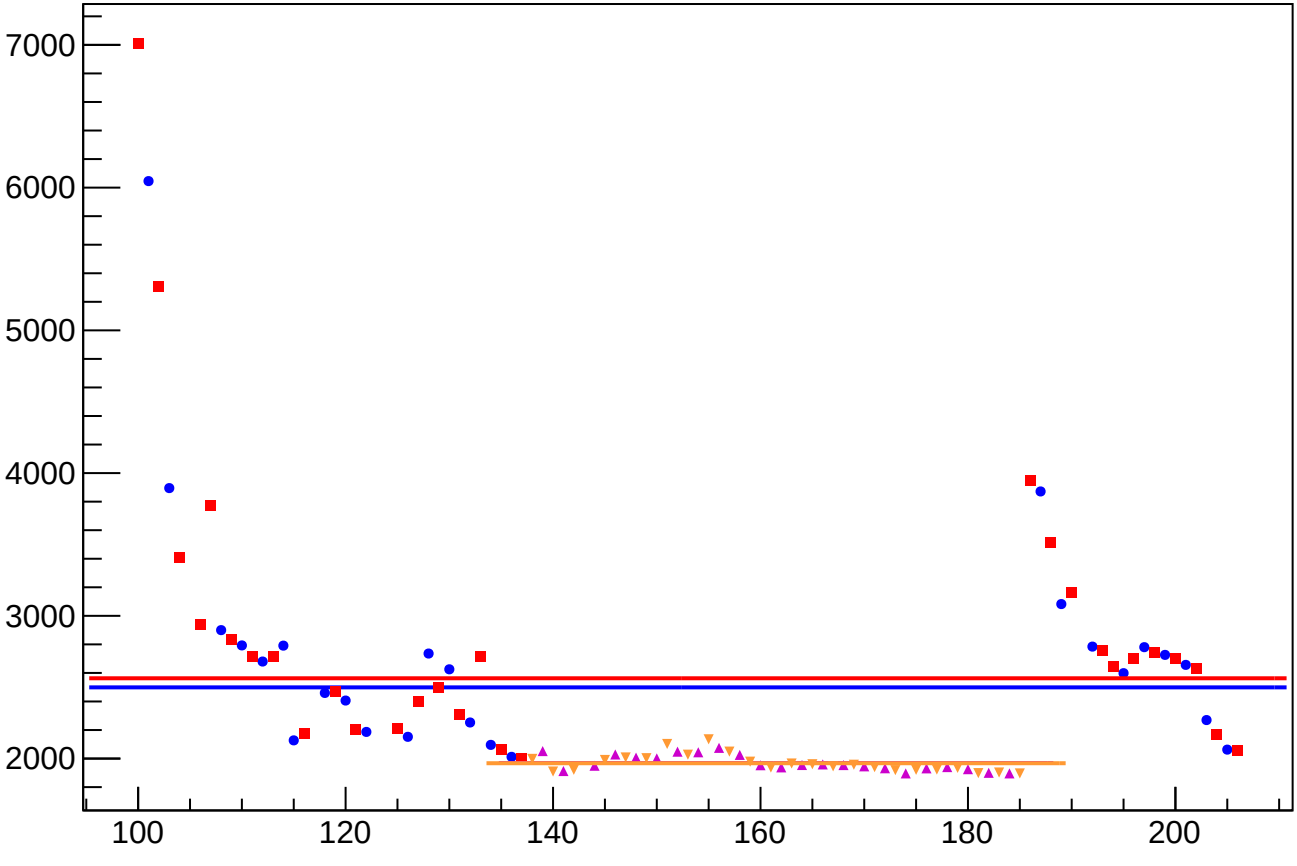
Right: 567.398+/-470.884 χ^2/NDF: 42.1/53

In: 341.735+/-380.858 χ^2/NDF:52.5/47

Out: 1103.408+/-374.405 χ^2/NDF:52.3/52

All: 729.079+/-266.997 χ^2/NDF: 106.8/100

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2498.831+/-0.480 χ^2/NDF: 1075643.5/24

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2562.543+/-0.462 χ^2/NDF: 1141686.6/28

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

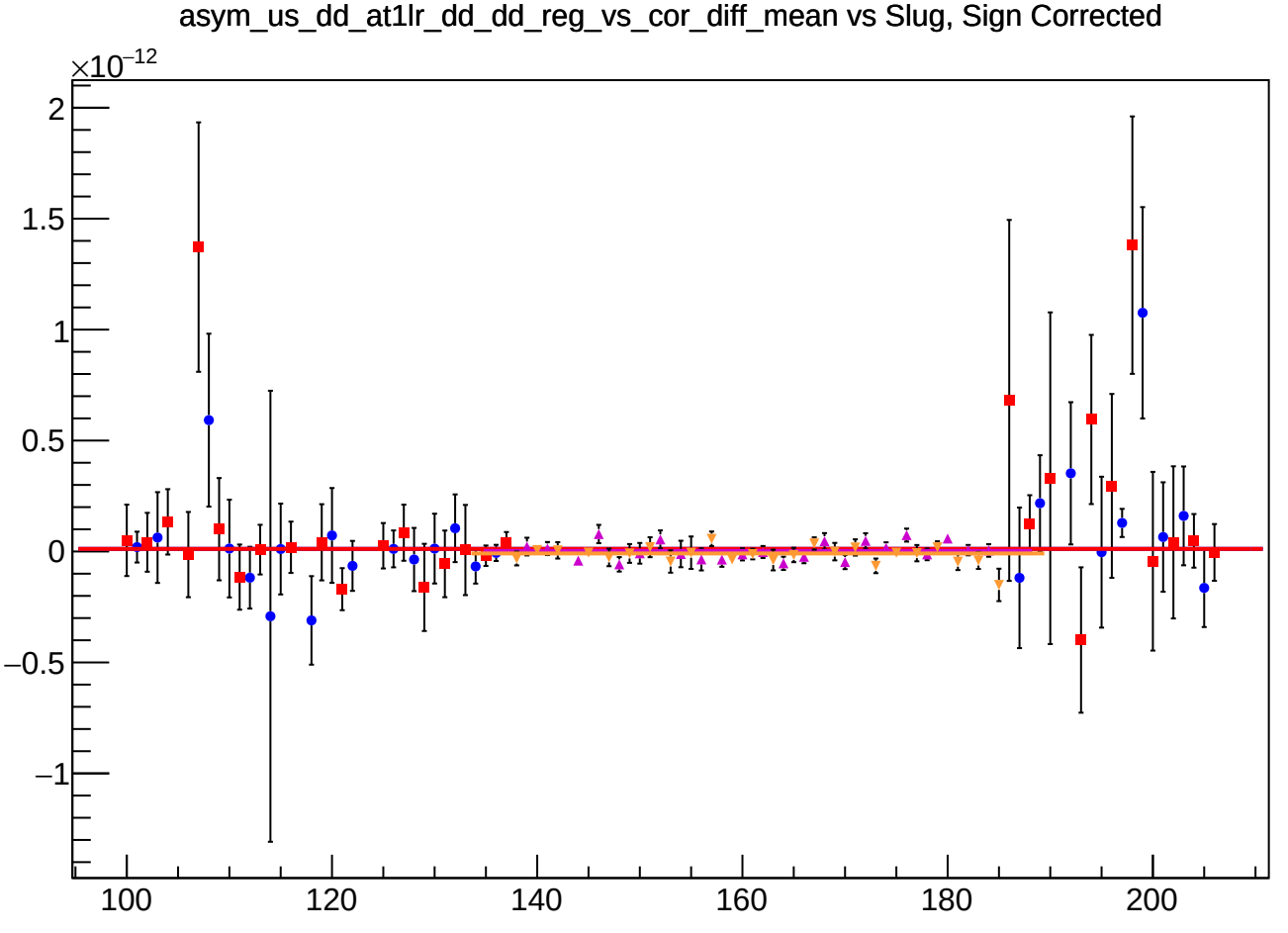
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2531.932+/-0.333 χ^2/NDF: 2226469.7/53

In: 2135.545+/-0.269 χ^2/NDF:1936280.4/47

Out: 2162.889+/-0.265 χ^2/NDF:2290504.0/52

All: 2149.451+/-0.189 χ^2/NDF: 4232027.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

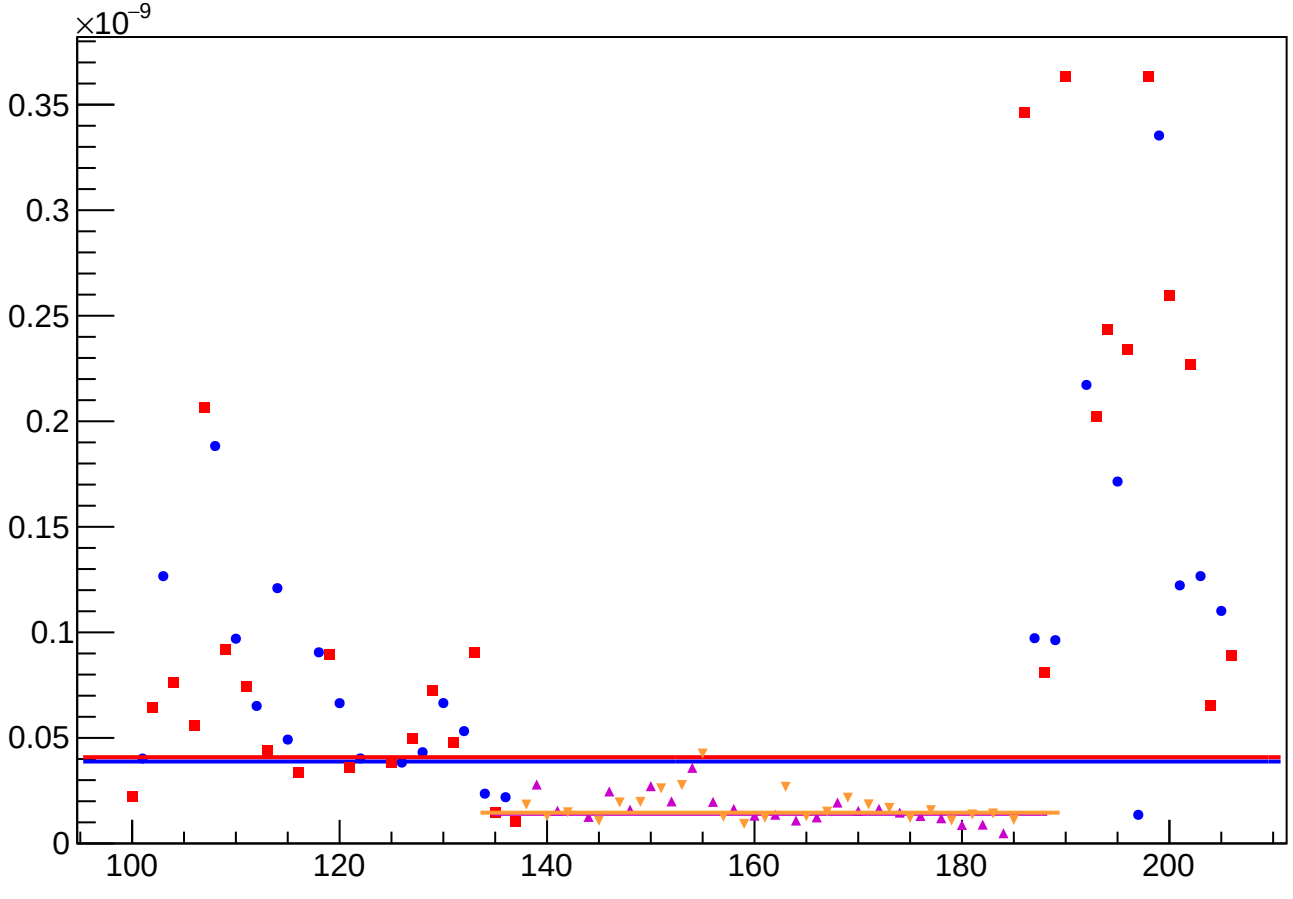
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 45.3/53

In: 0.000+/-0.000 χ^2/NDF:59.4/47

Out: -0.000+/-0.000 χ^2/NDF:46.6/52

All: -0.000+/-0.000 χ^2/NDF: 107.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 4745107.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864987.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

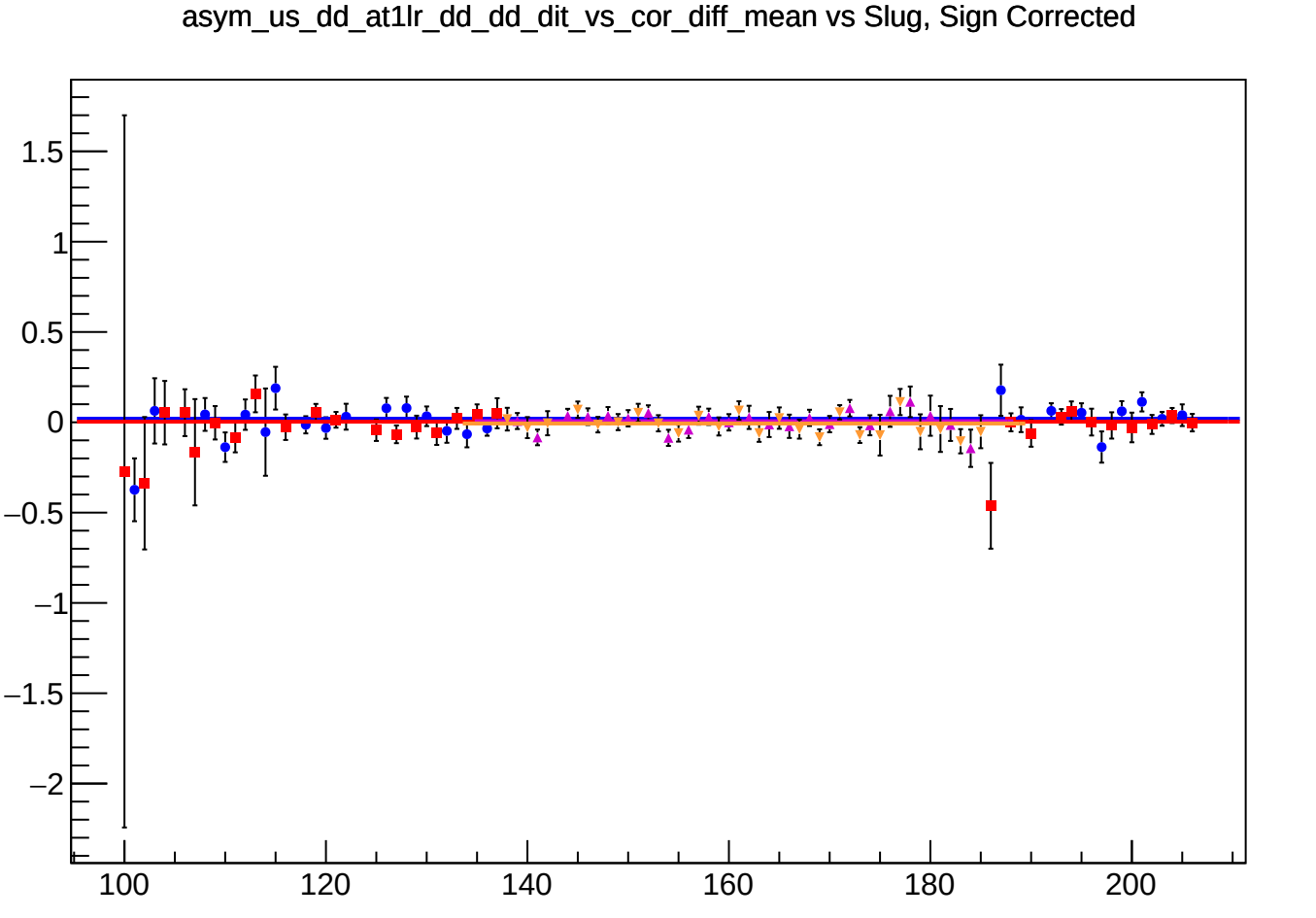
Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

Right: 0.000+/-0.000 χ^2/NDF: 11618383.7/53

In: 0.000+/-0.000 χ^2/NDF:8487440.1/47

Out: 0.000+/-0.000 χ^2/NDF:10496033.8/52

All: 0.000+/-0.000 χ^2/NDF: 18994252.7/100



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

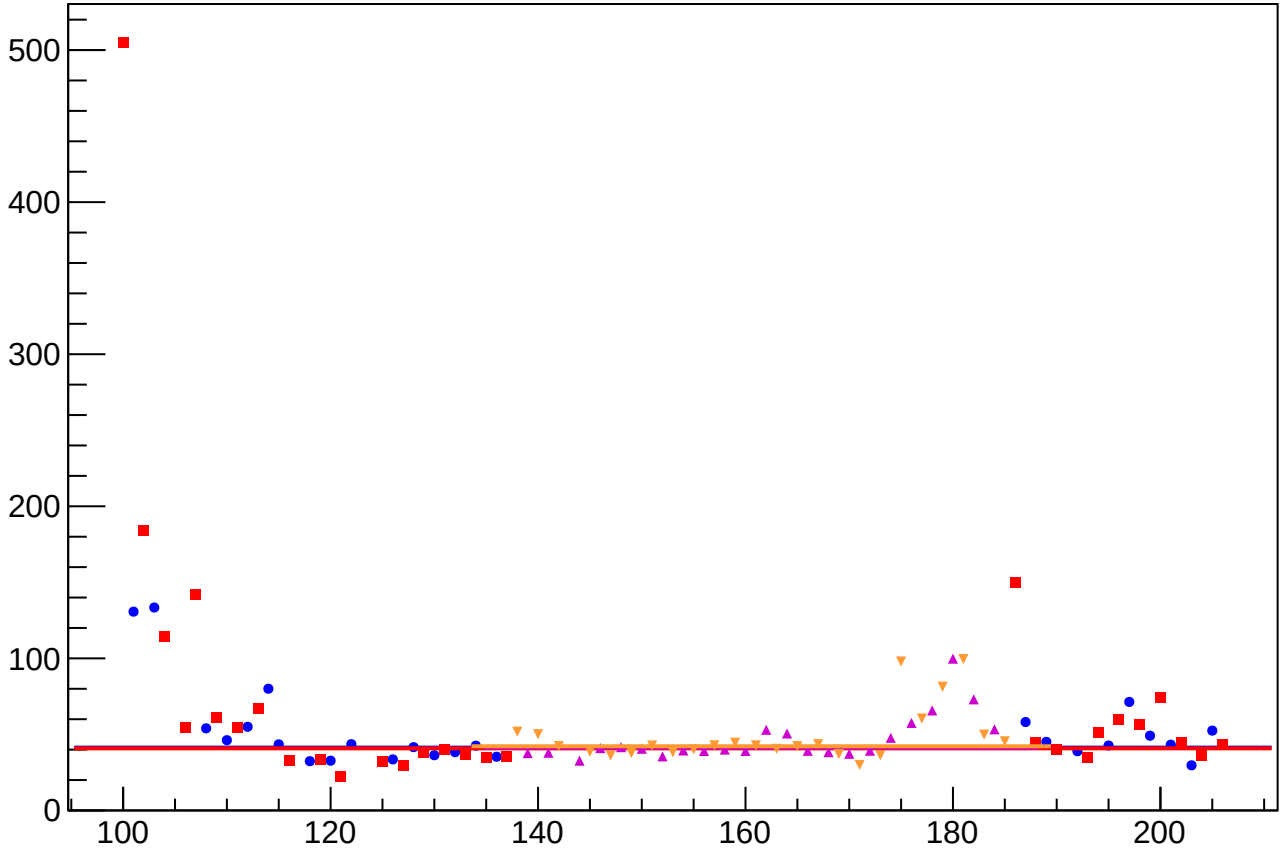
Right: 0.011+/-0.009 χ^2/NDF: 47.2/53

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.005+/-0.006 χ^2/NDF: 92.9/100

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

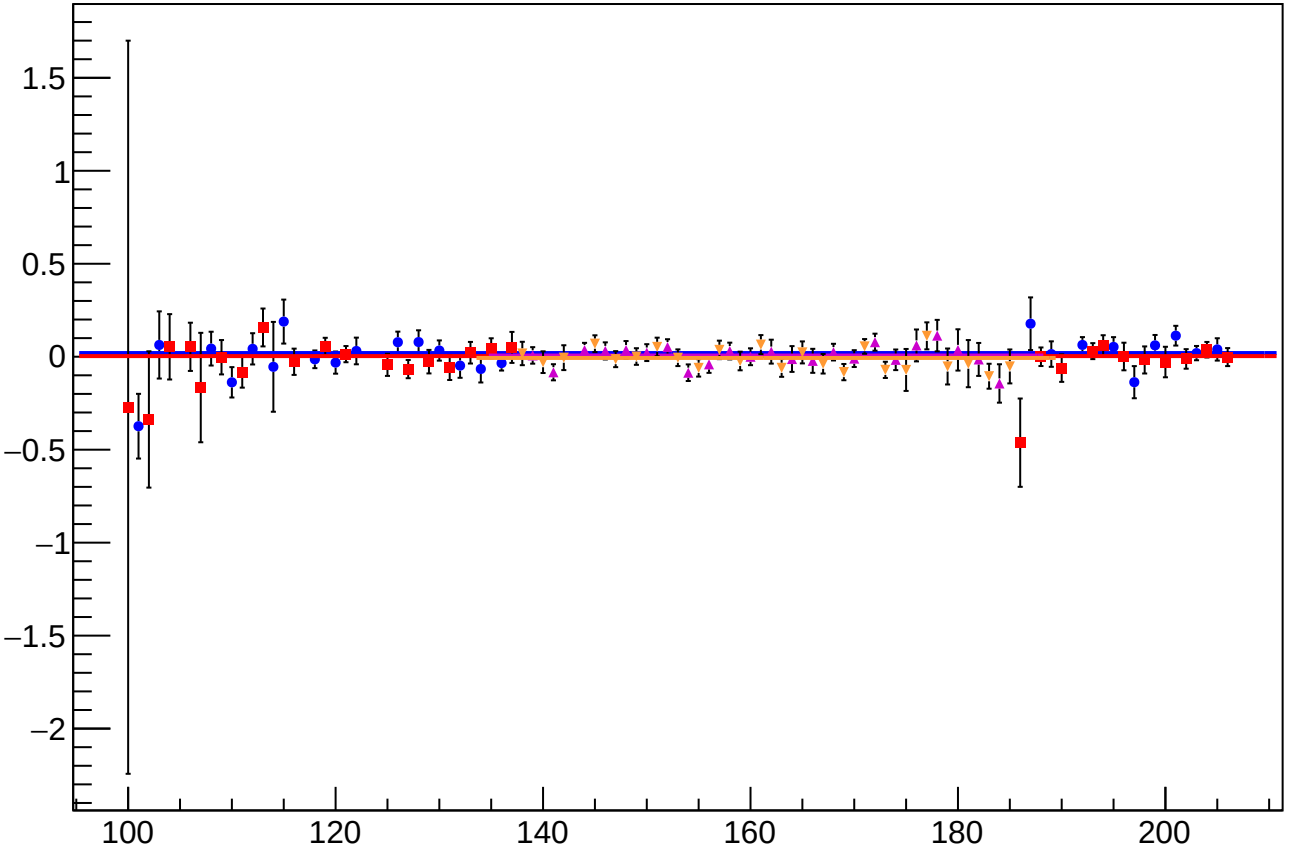
Right: 41.067+/-0.006 χ^2/NDF: 5078532.1/53

In: 41.374+/-0.006 χ^2/NDF:3406525.5/47

Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.483+/-0.004 χ^2/NDF: 8323579.4/100

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

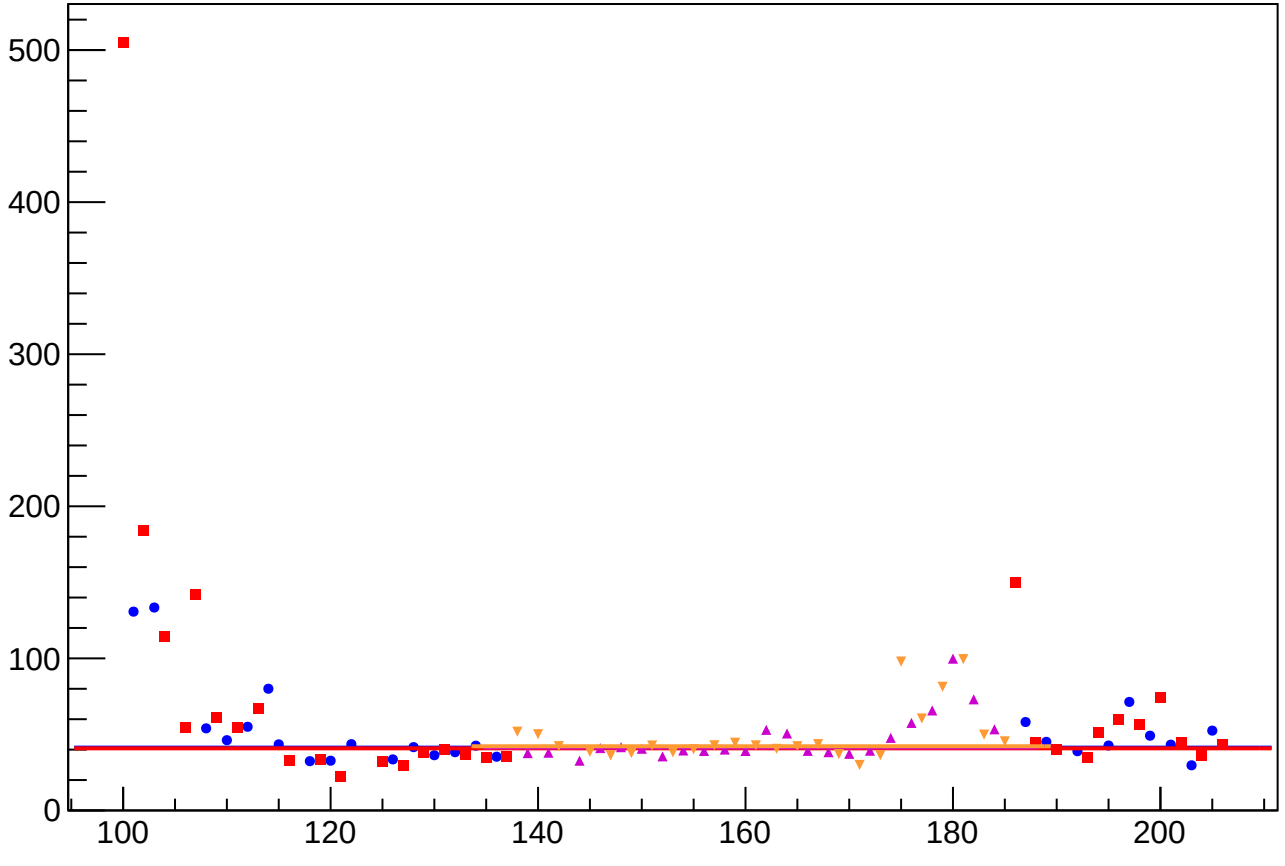
Right: 0.011+/-0.009 χ^2/NDF: 47.2/53

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.005+/-0.006 χ^2/NDF: 92.9/100

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

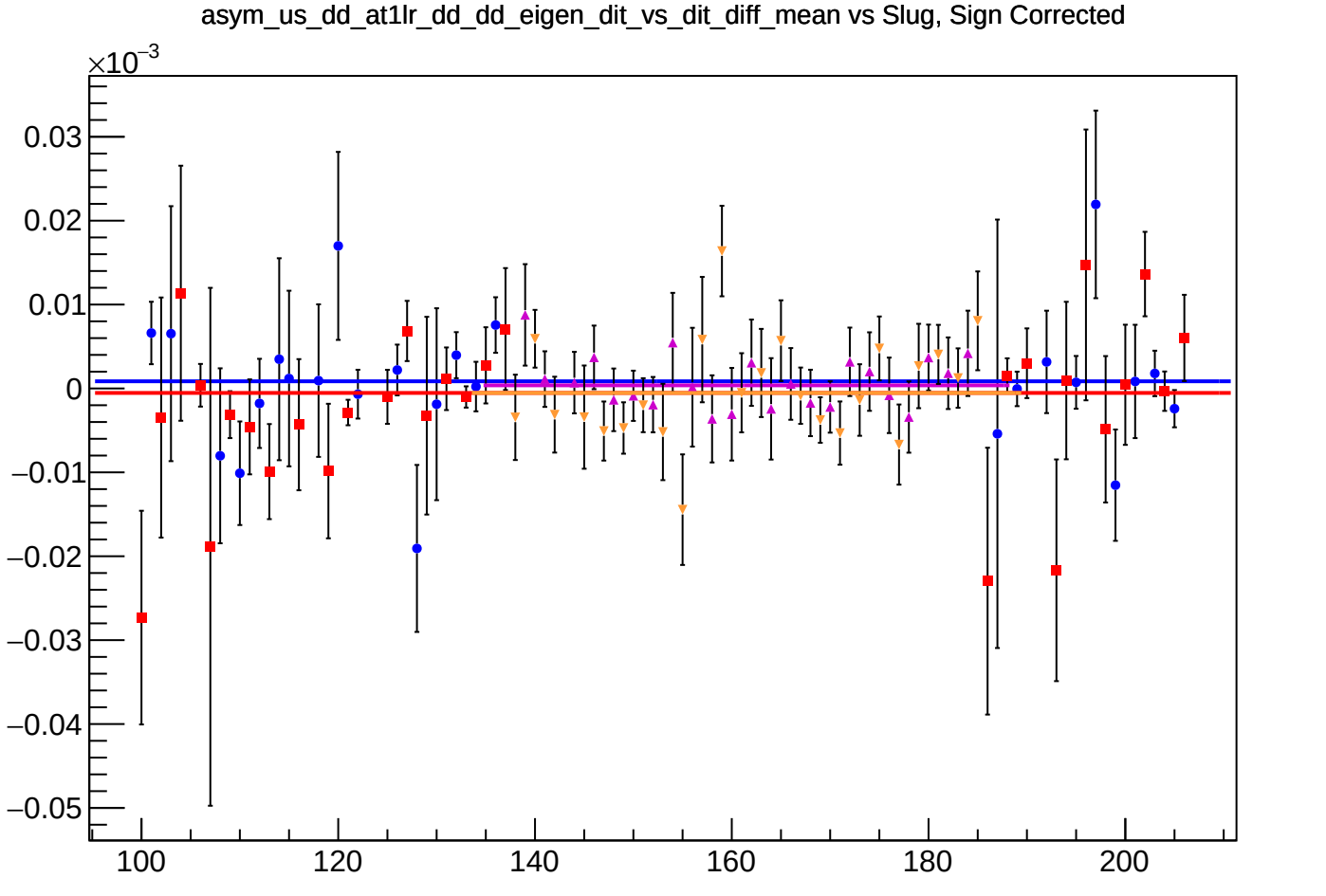
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

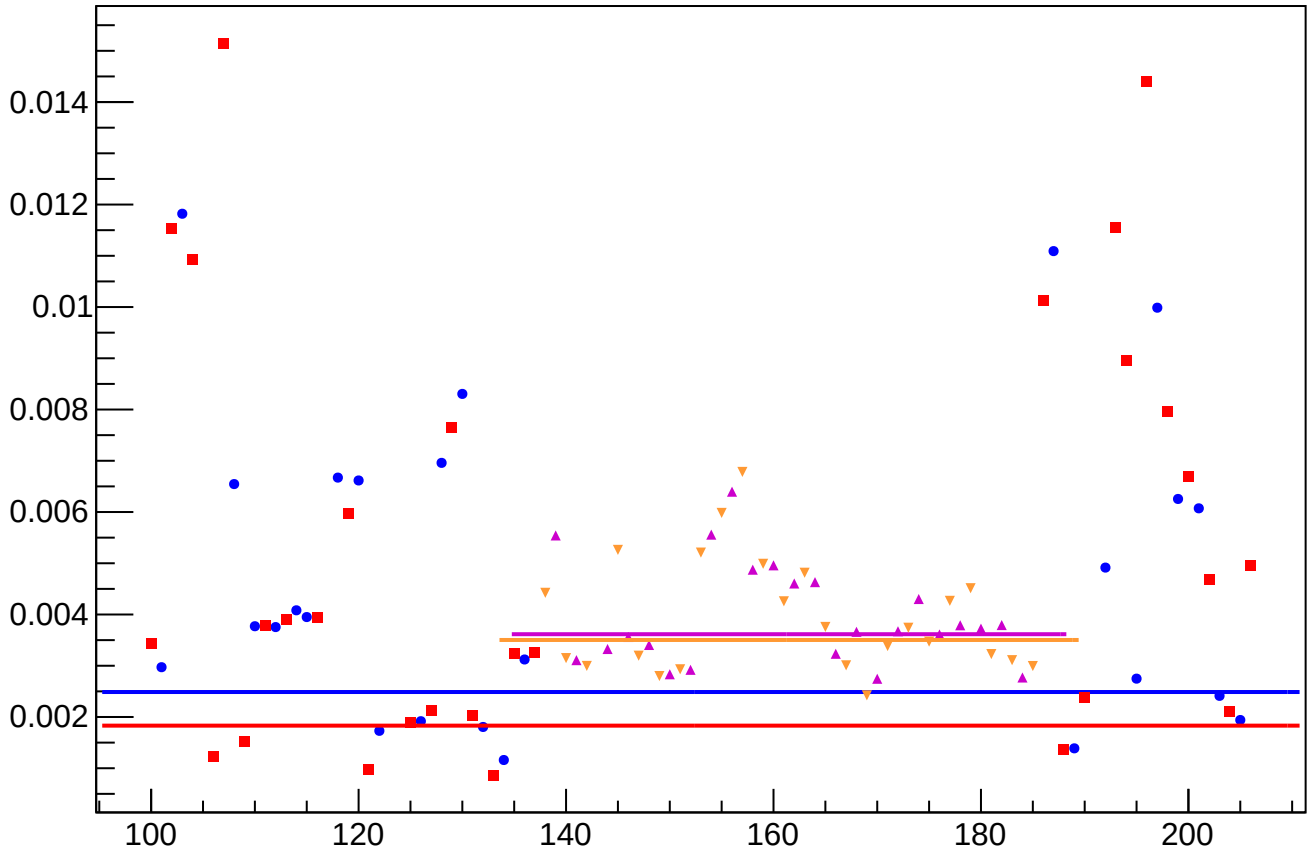
Right: 41.067+/-0.006 χ^2/NDF: 5078532.1/53

In: 41.374+/-0.006 χ^2/NDF:3406525.5/47

Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.483+/-0.004 χ^2/NDF: 8323579.4/100


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.5/24
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/28
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: 0.000+/-0.000 χ²/NDF: 67.1/53
In: 0.000+/-0.000 χ²/NDF:38.3/47
Out: -0.000+/-0.000 χ²/NDF:73.7/52
All: -0.000+/-0.000 χ²/NDF: 114.2/100



Right In: 0.002+/-0.000 χ^2/NDF: 7149700.0/24

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 13427344.3/28

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

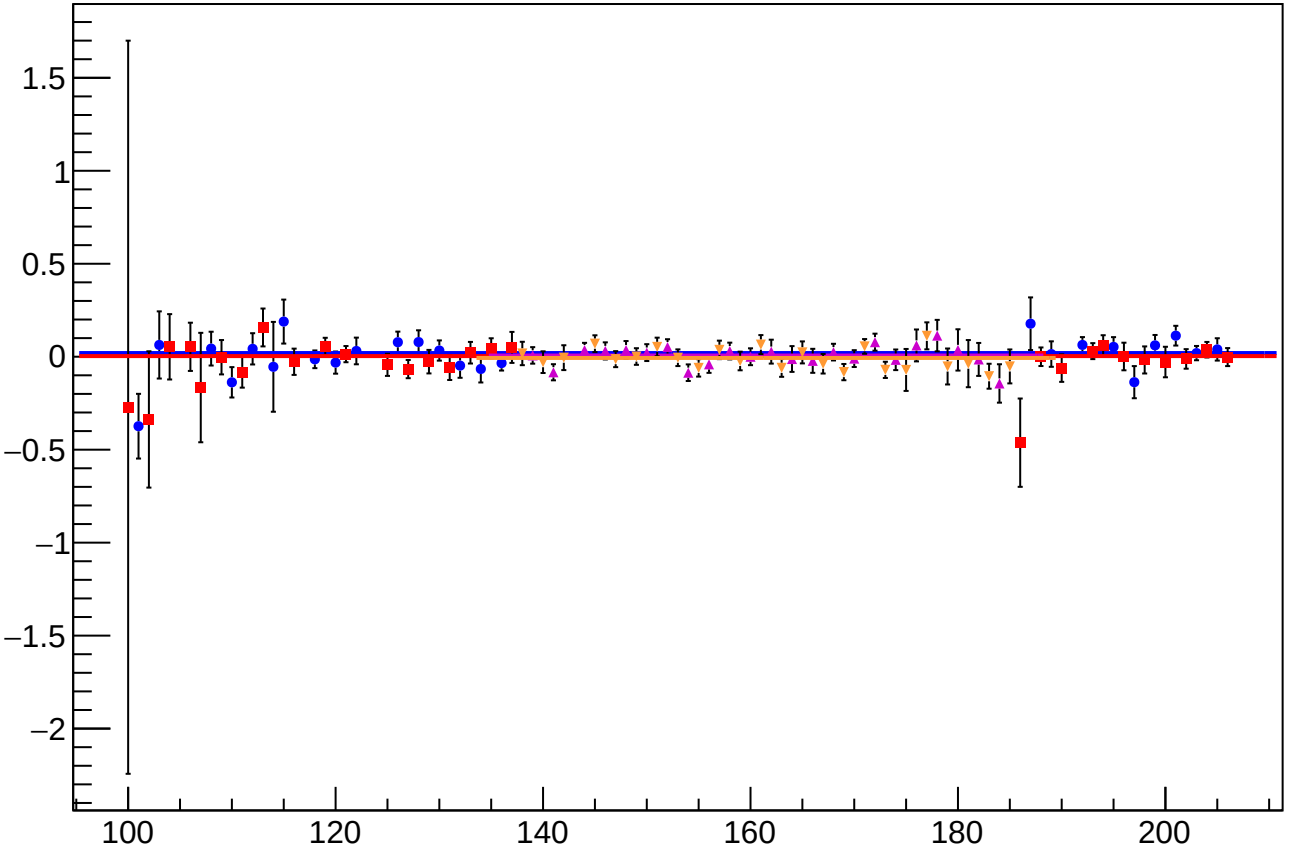
Right: 0.002+/-0.000 χ^2/NDF: 21376180.2/53

In: 0.003+/-0.000 χ^2/NDF:10616667.6/47

Out: 0.002+/-0.000 χ^2/NDF:20547540.8/52

All: 0.003+/-0.000 χ^2/NDF: 32169286.6/100

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

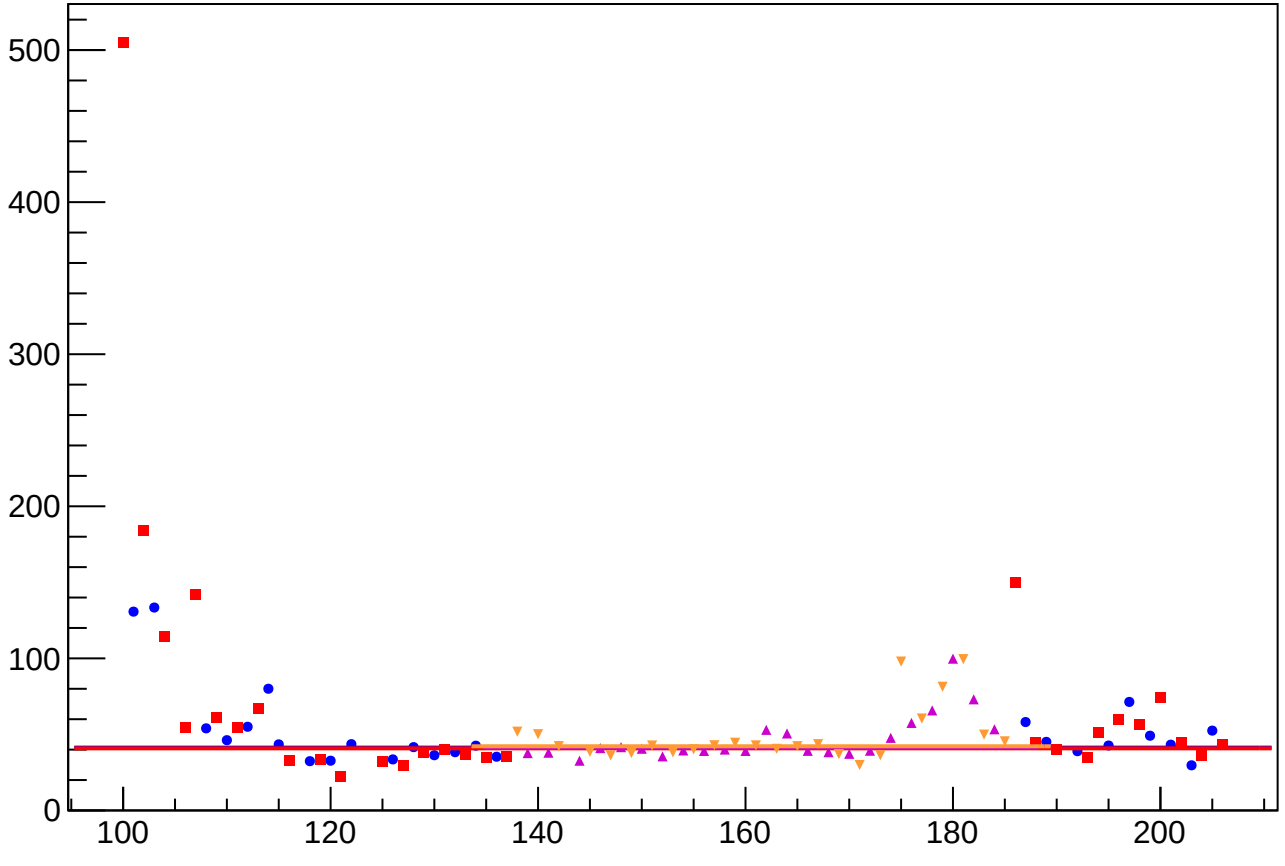
Right: 0.011+/-0.009 χ^2/NDF: 47.2/53

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.005+/-0.006 χ^2/NDF: 92.9/100

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

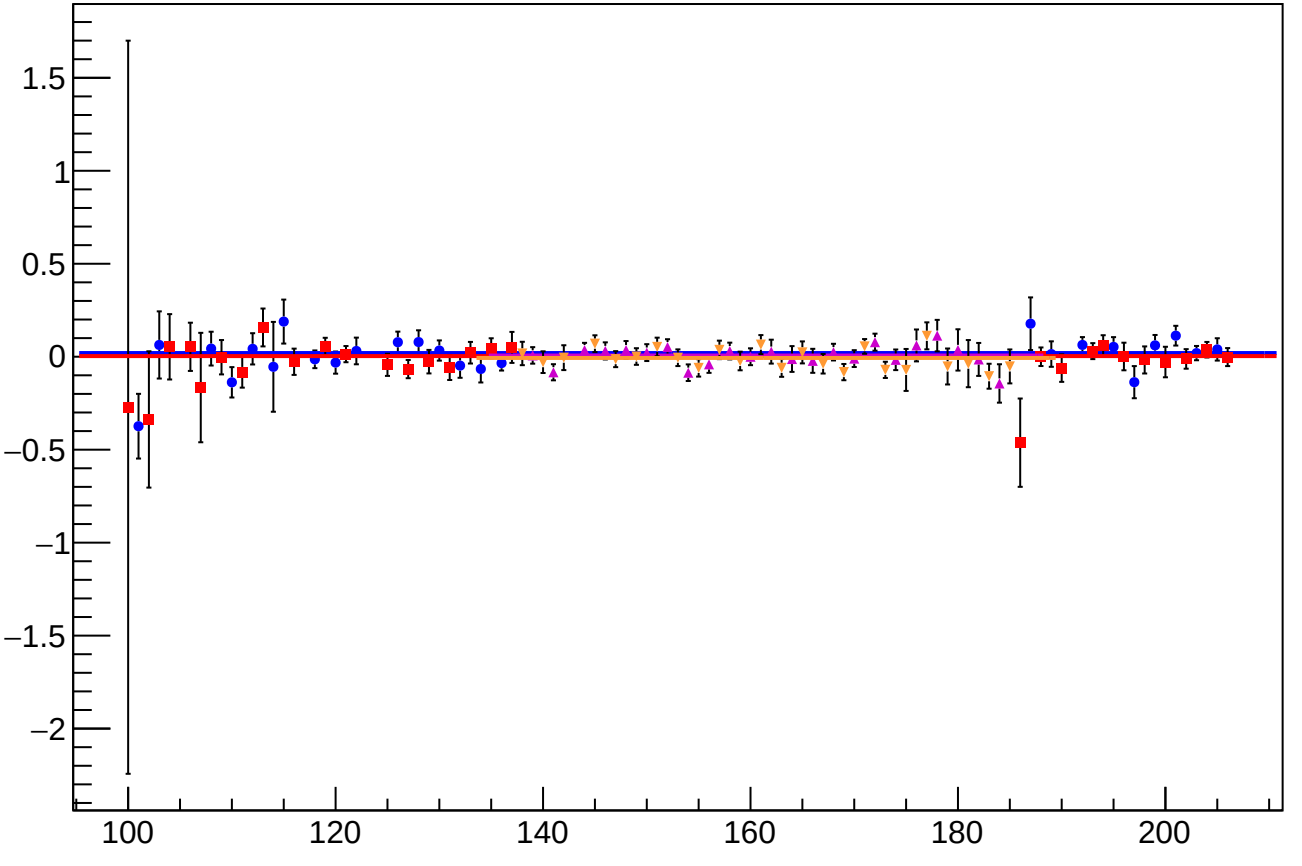
Right: 41.066+/-0.006 χ^2/NDF: 5078660.5/53

In: 41.374+/-0.006 χ^2/NDF:3406384.4/47

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.483+/-0.004 χ^2/NDF: 8323646.6/100

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

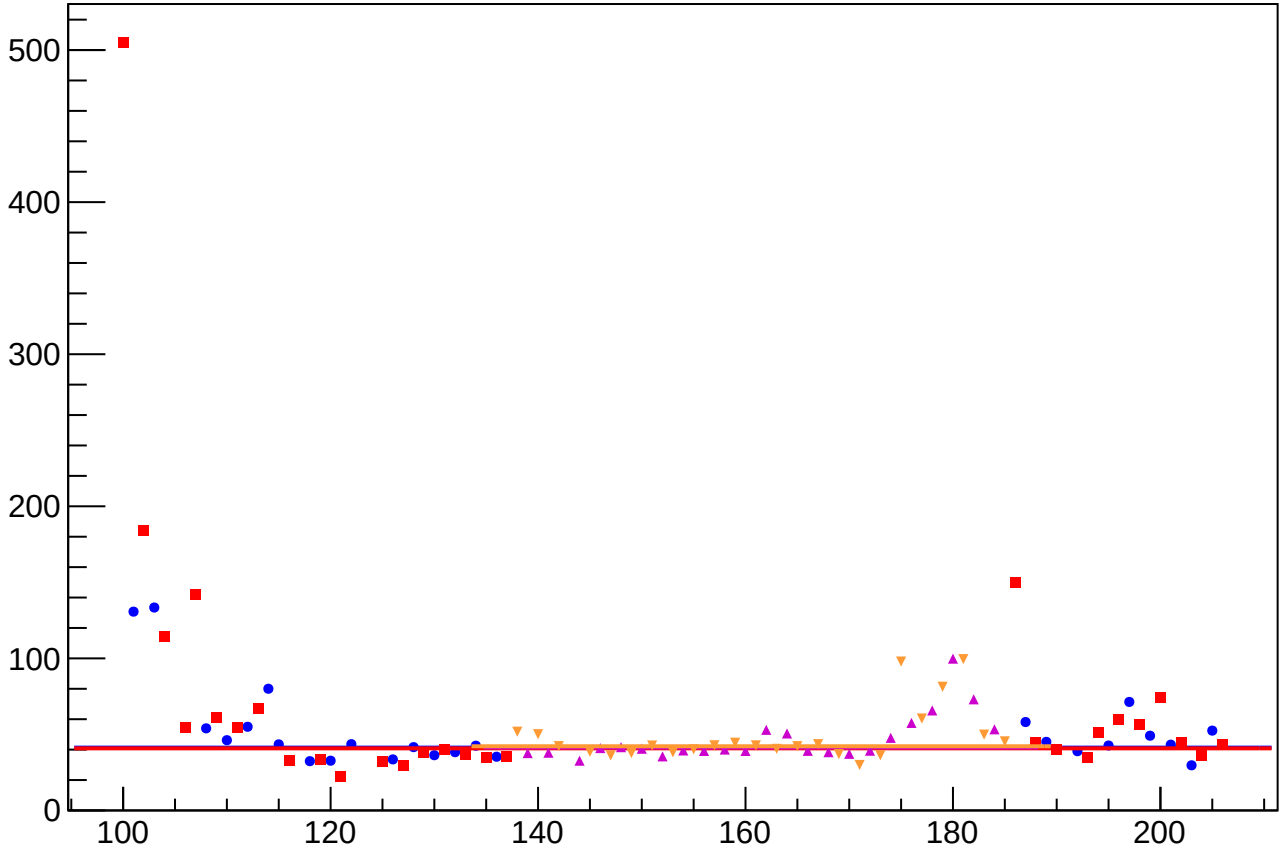
Right: 0.011+/-0.009 χ^2/NDF: 47.2/53

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.005+/-0.006 χ^2/NDF: 92.9/100

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

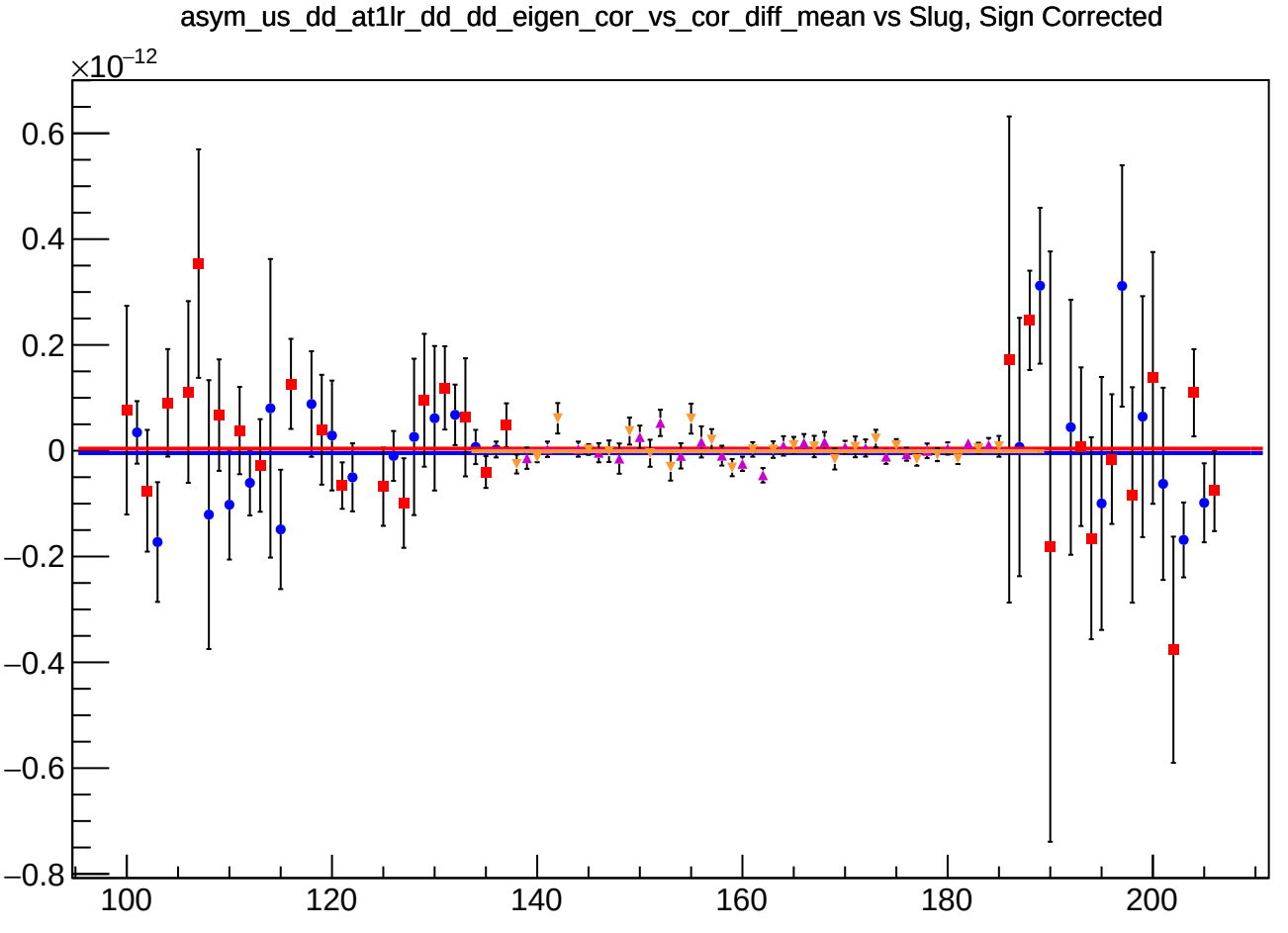
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

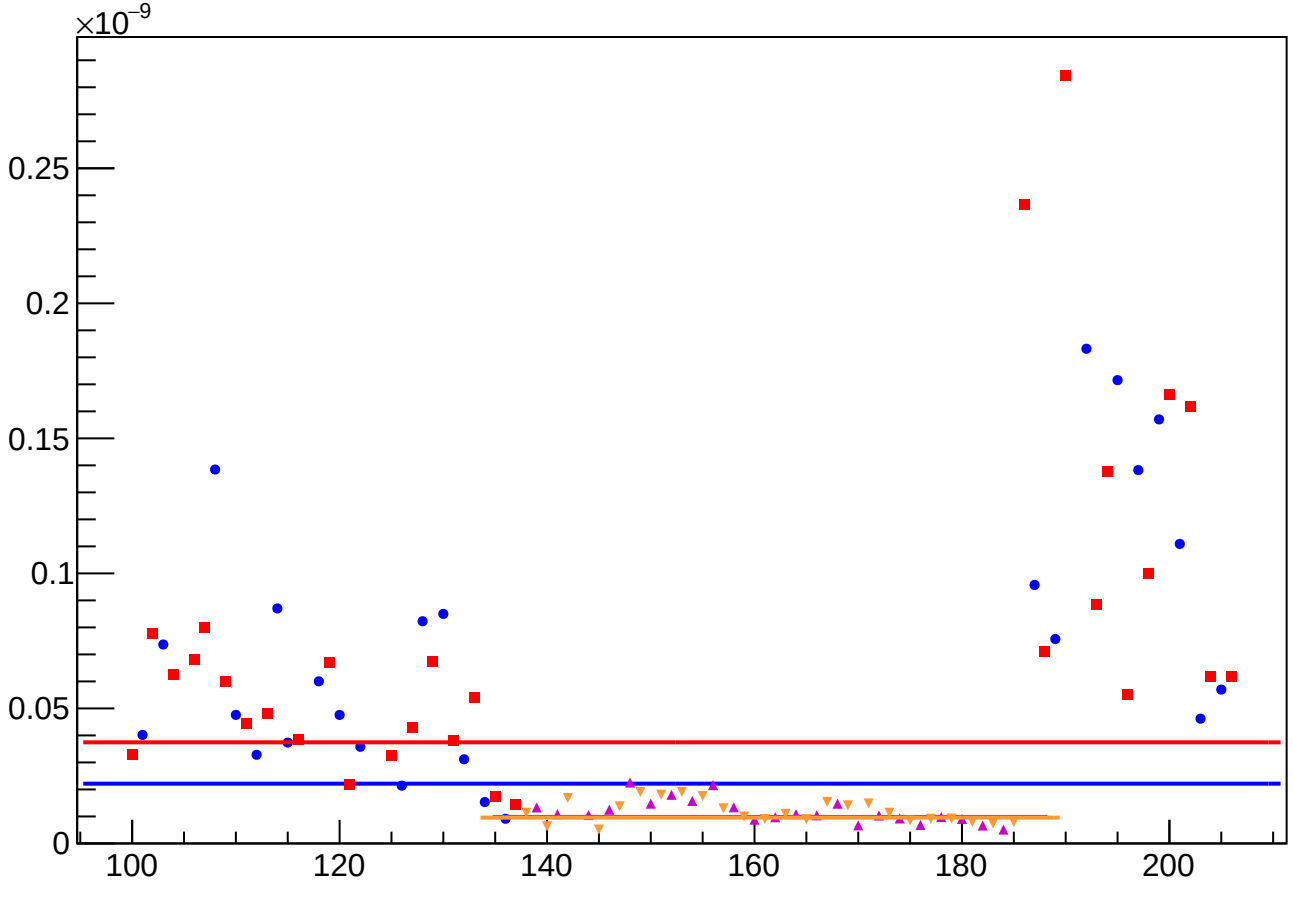
Right: 41.066+/-0.006 χ^2/NDF: 5078660.5/53

In: 41.374+/-0.006 χ^2/NDF:3406384.4/47

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.483+/-0.004 χ^2/NDF: 8323646.6/100


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.9/24
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/28
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: -0.000+/-0.000 χ²/NDF: 56.6/53
In: 0.000+/-0.000 χ²/NDF:52.4/47
Out: -0.000+/-0.000 χ²/NDF:62.1/52
All: -0.000+/-0.000 χ²/NDF: 114.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 8711216.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6433315.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

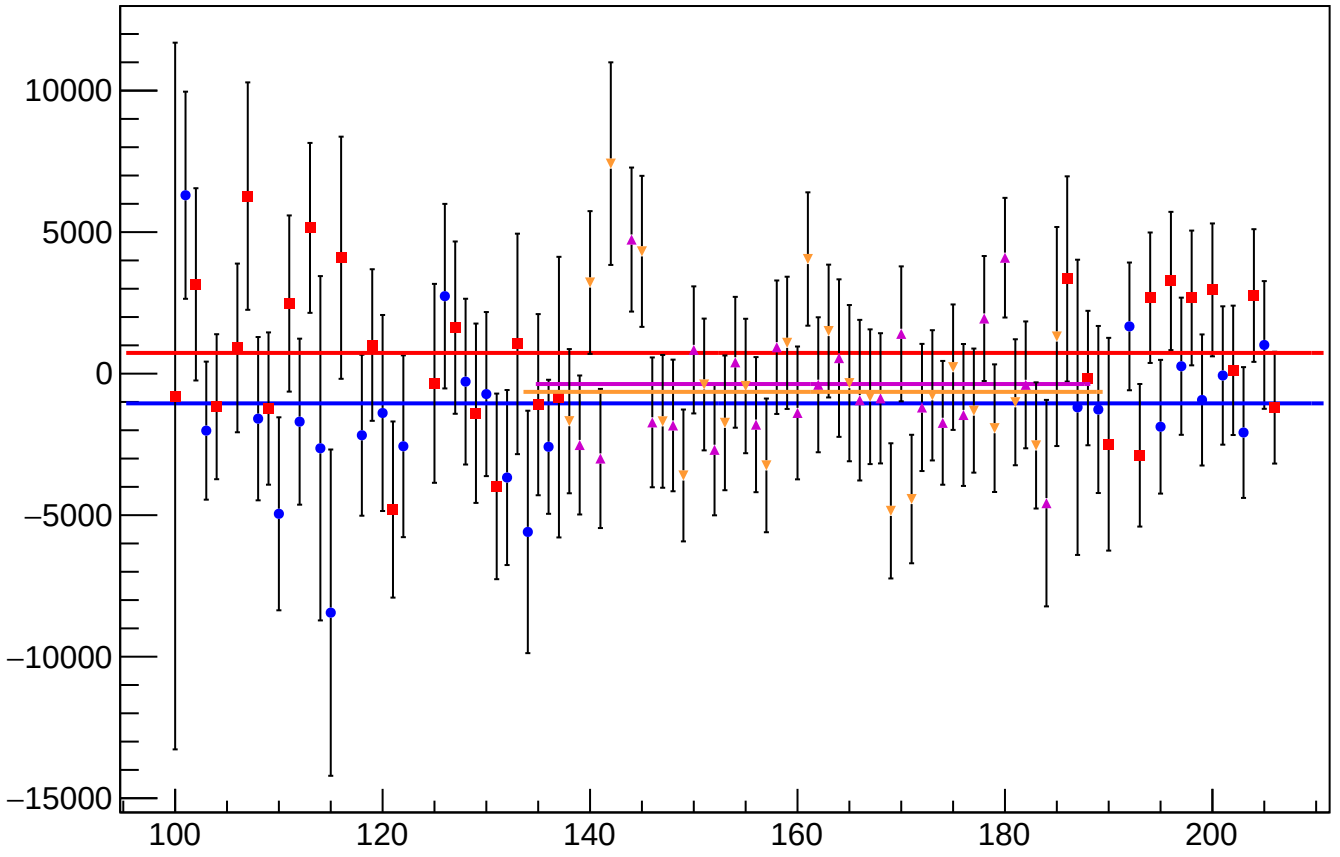
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 16463865.3/53

In: 0.000+/-0.000 χ^2/NDF:13216582.4/47

Out: 0.000+/-0.000 χ^2/NDF:15346288.6/52

All: 0.000+/-0.000 χ^2/NDF: 28563492.7/100



Right In: -1049.894+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 732.295+/-535.960 χ^2/NDF: 21.5/28

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

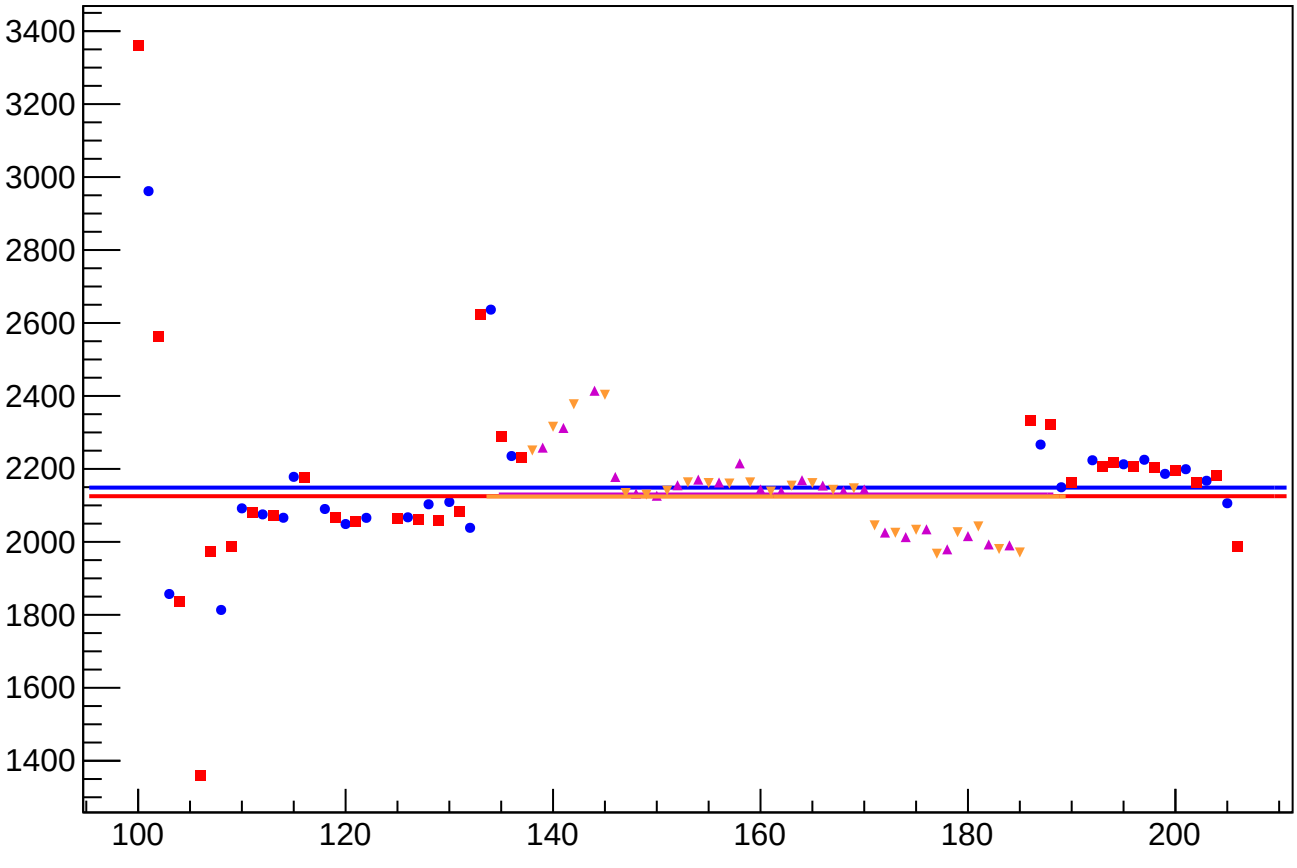
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -96.852+/-391.933 χ^2/NDF: 41.1/53

In: -659.712+/-376.287 χ^2/NDF:32.6/47

Out: -12.168+/-363.114 χ^2/NDF:52.2/52

All: -324.407+/-261.293 χ^2/NDF: 86.3/100



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.2/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2125.214+/-0.379 χ^2/NDF: 306184.3/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

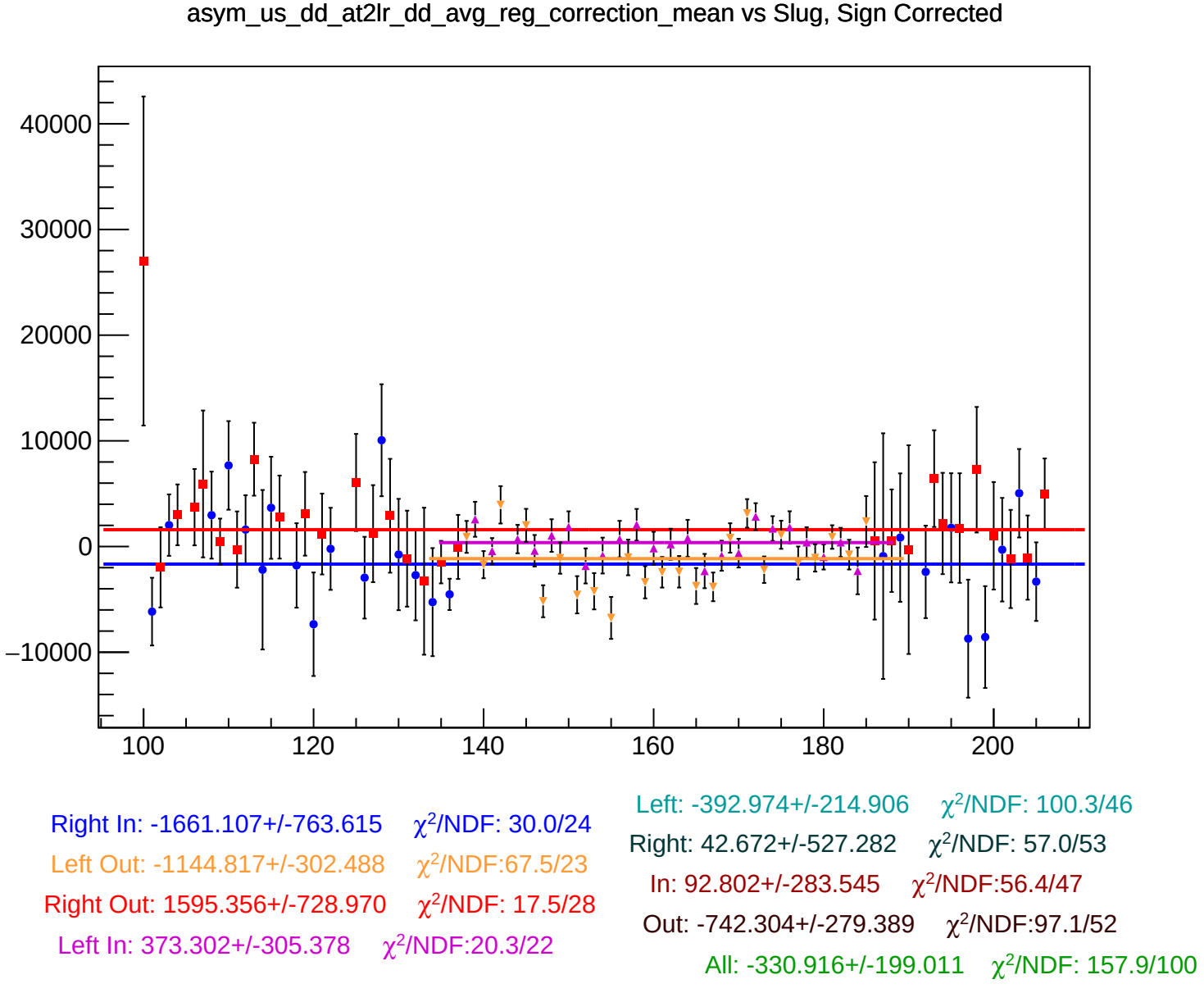
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2136.168+/-0.277 χ^2/NDF: 510501.2/53

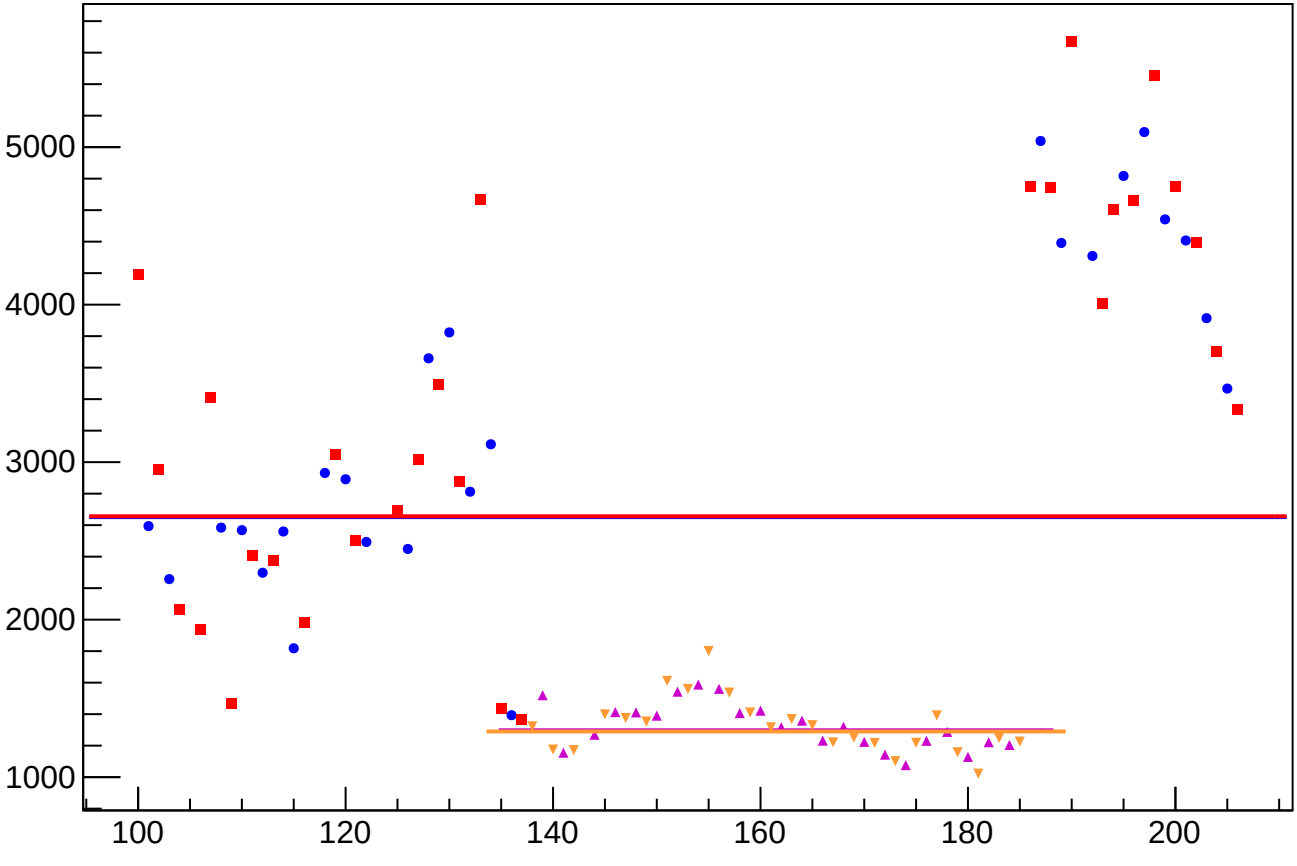
In: 2137.986+/-0.266 χ^2/NDF:289106.6/47

Out: 2124.794+/-0.257 χ^2/NDF:395370.6/52

All: 2131.155+/-0.185 χ^2/NDF: 685750.0/100


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1661.107+/-763.615 χ²/NDF: 30.0/24
Left Out: -1144.817+/-302.488 χ²/NDF:67.5/23
Right Out: 1595.356+/-728.970 χ²/NDF: 17.5/28
Left In: 373.302+/-305.378 χ²/NDF:20.3/22
Left: -392.974+/-214.906 χ²/NDF: 100.3/46
Right: 42.672+/-527.282 χ²/NDF: 57.0/53
In: 92.802+/-283.545 χ²/NDF:56.4/47
Out: -742.304+/-279.389 χ²/NDF:97.1/52
All: -330.916+/-199.011 χ²/NDF: 157.9/100

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2651.118+/-0.540 χ^2/NDF: 3893445.8/24

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2656.375+/-0.515 χ^2/NDF: 5051811.2/28

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

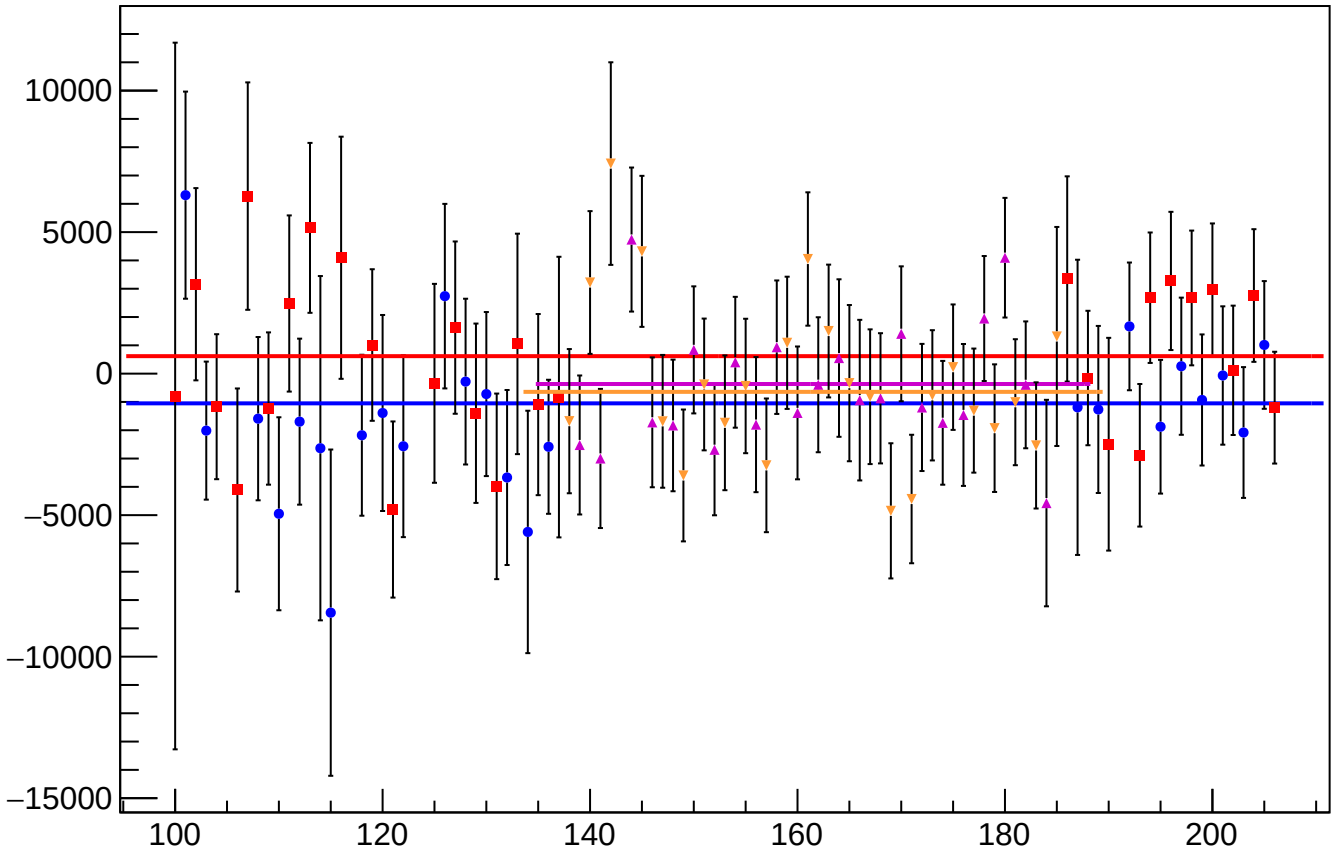
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2653.868+/-0.373 χ^2/NDF: 8945306.6/53

In: 1484.095+/-0.200 χ^2/NDF:9745838.8/47

Out: 1490.736+/-0.198 χ^2/NDF:11614021.0/52

All: 1487.464+/-0.141 χ^2/NDF: 21360416.4/1



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 617.490+/-538.667 χ^2/NDF: 23.3/28

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

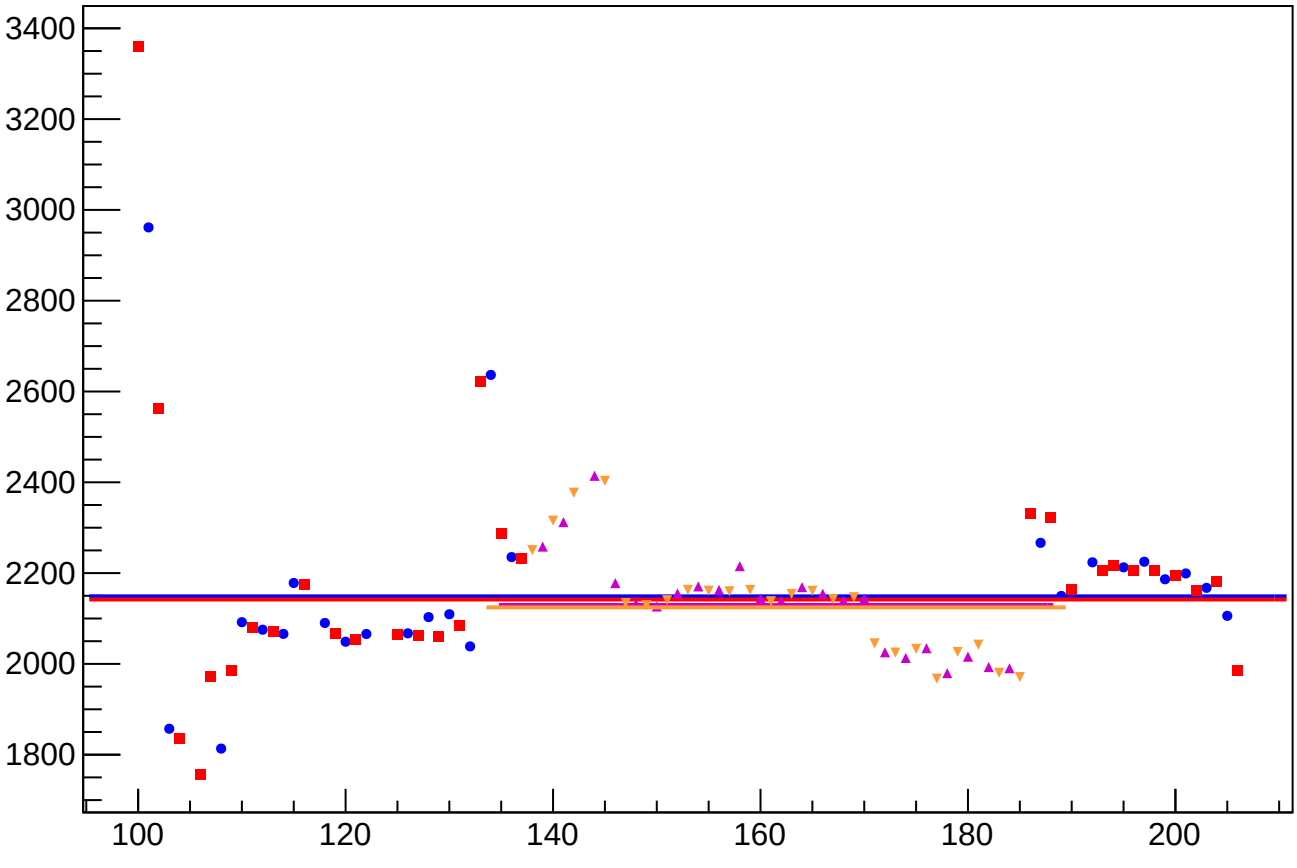
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -162.445+/-392.988 χ^2/NDF: 42.2/53

In: -659.667+/-376.287 χ^2/NDF:32.6/47

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -353.948+/-261.605 χ^2/NDF: 87.3/100



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

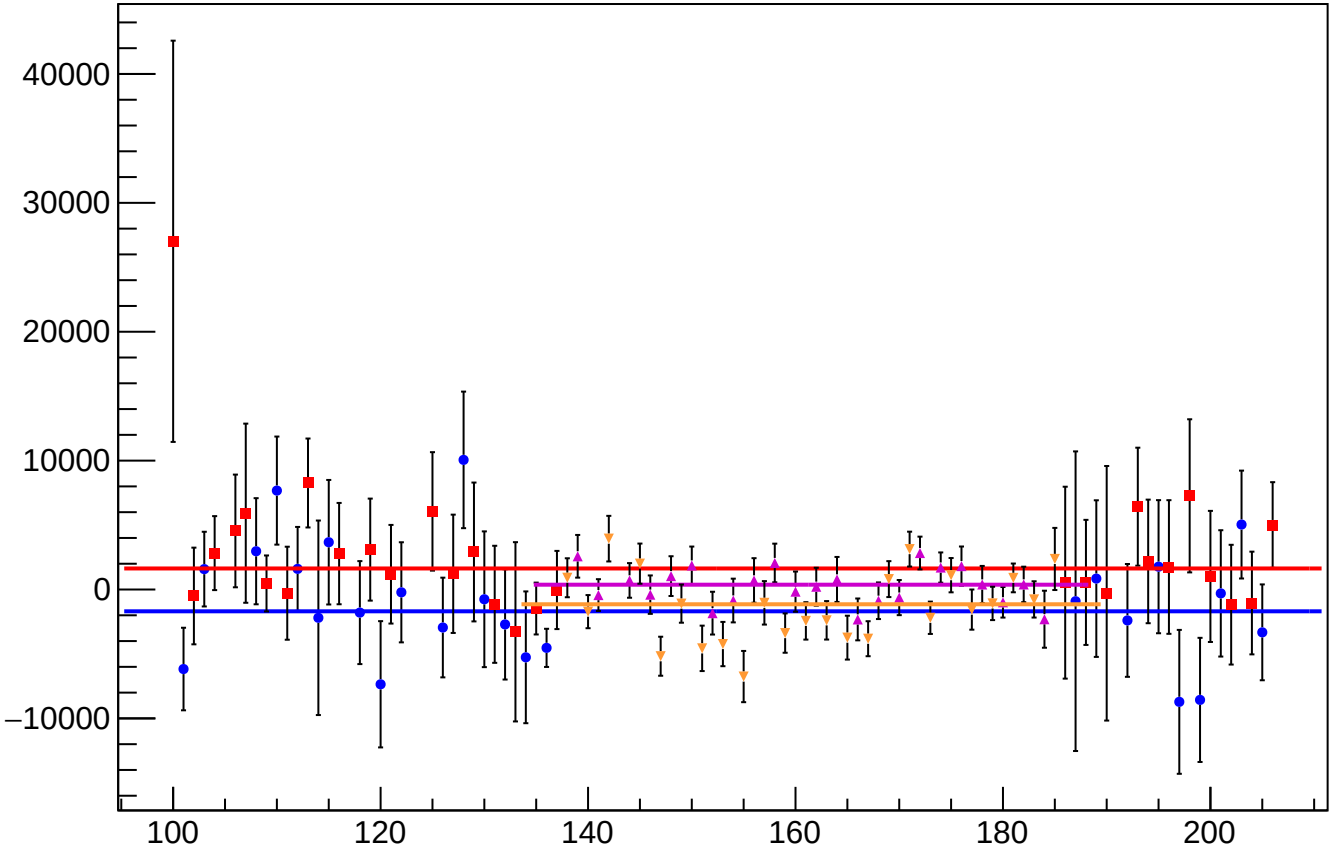
Right: 2145.090+/-0.278 χ^2/NDF: 396547.6/53

In: 2137.986+/-0.266 χ^2/NDF:289106.9/47

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2135.097+/-0.185 χ^2/NDF: 573530.0/100

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

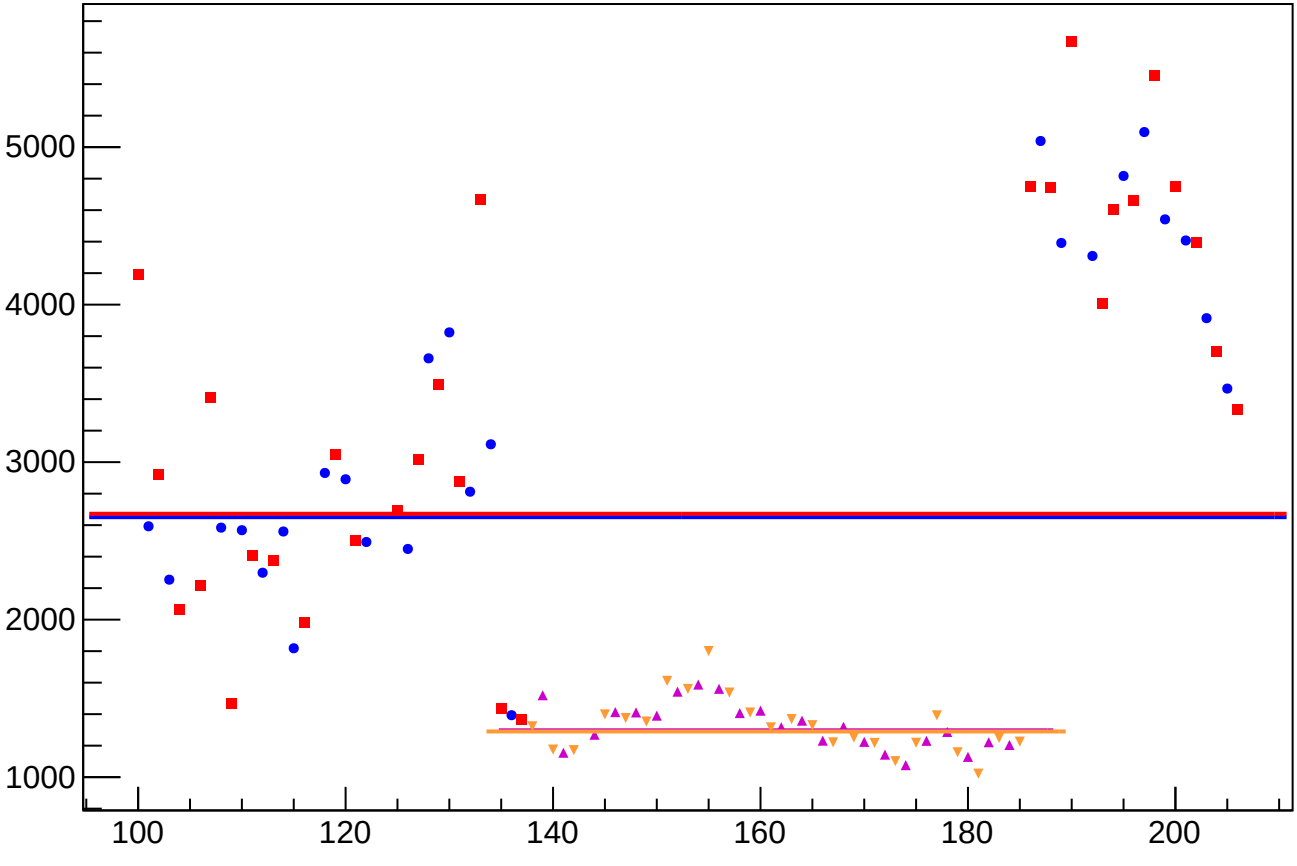
Right: 37.728+/-528.846 χ^2/NDF: 56.5/53

In: 88.457+/-283.535 χ^2/NDF:56.3/47

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -331.960+/-199.096 χ^2/NDF: 157.4/100

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

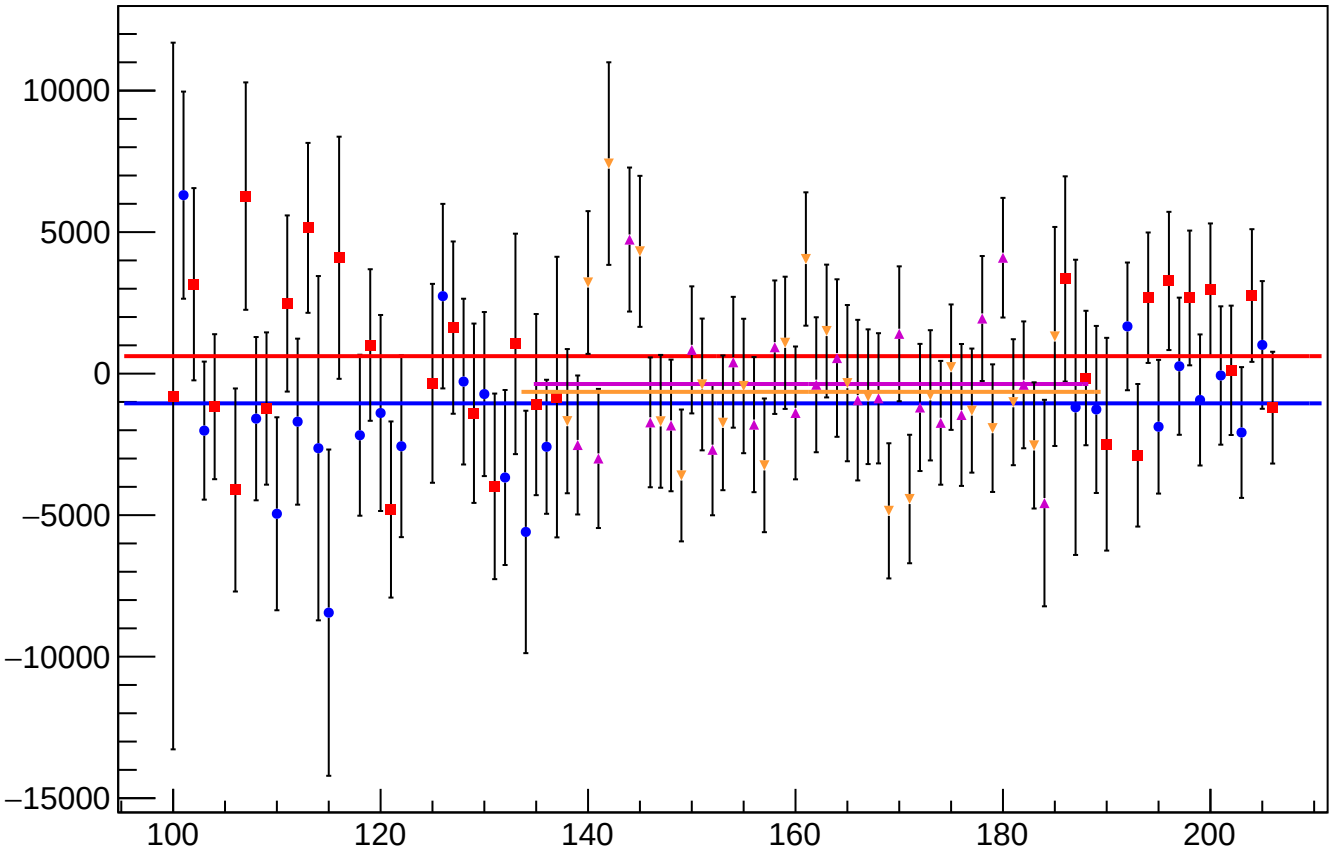
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2661.893+/-0.374 χ^2/NDF: 8886569.5/53

In: 1484.115+/-0.200 χ^2/NDF:9745217.0/47

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1487.628+/-0.141 χ^2/NDF: 21378031.3/1



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 617.490+/-538.667 χ^2/NDF: 23.3/28

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

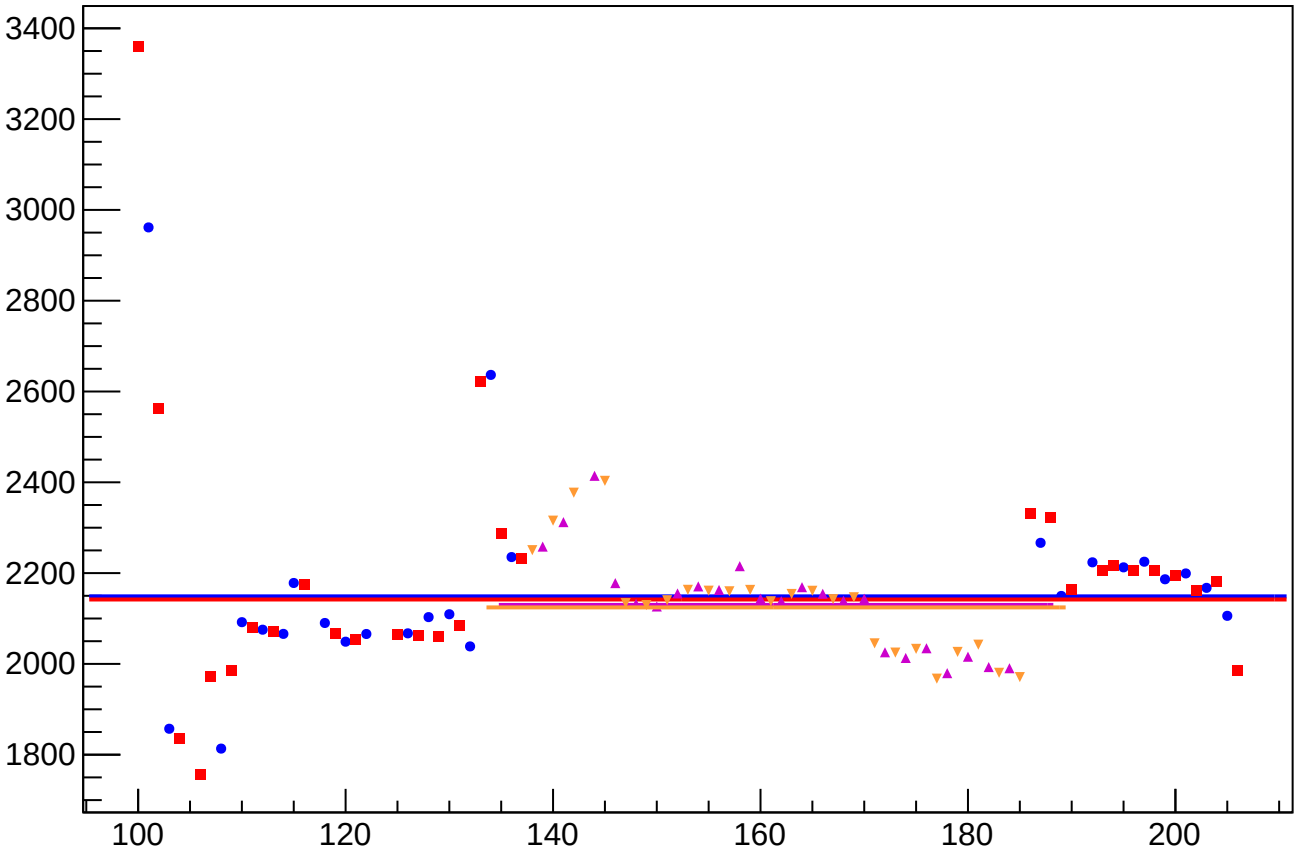
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -162.445+/-392.988 χ^2/NDF: 42.2/53

In: -659.667+/-376.287 χ^2/NDF:32.6/47

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -353.948+/-261.605 χ^2/NDF: 87.3/100



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

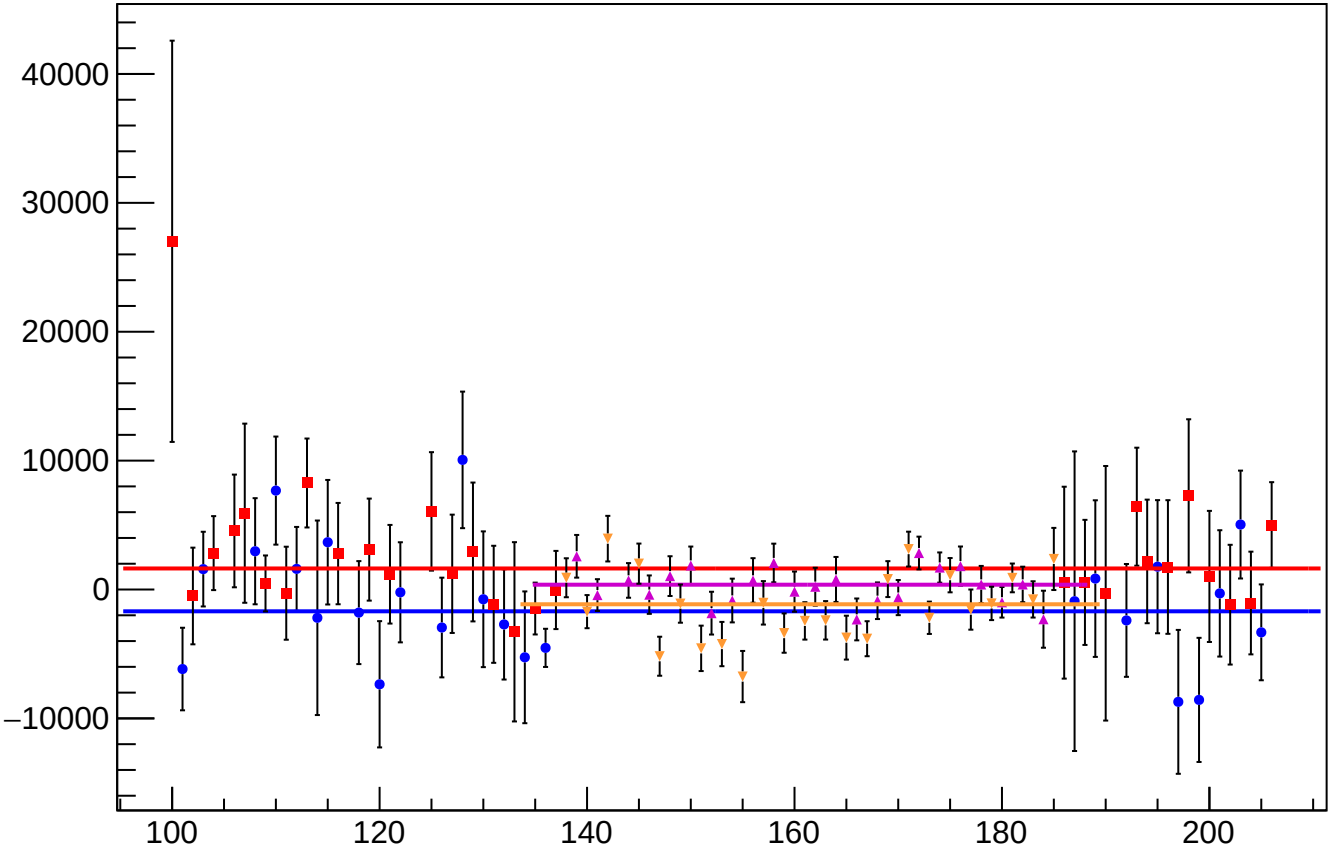
Right: 2145.090+/-0.278 χ^2/NDF: 396547.6/53

In: 2137.986+/-0.266 χ^2/NDF:289106.9/47

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2135.097+/-0.185 χ^2/NDF: 573530.0/100

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

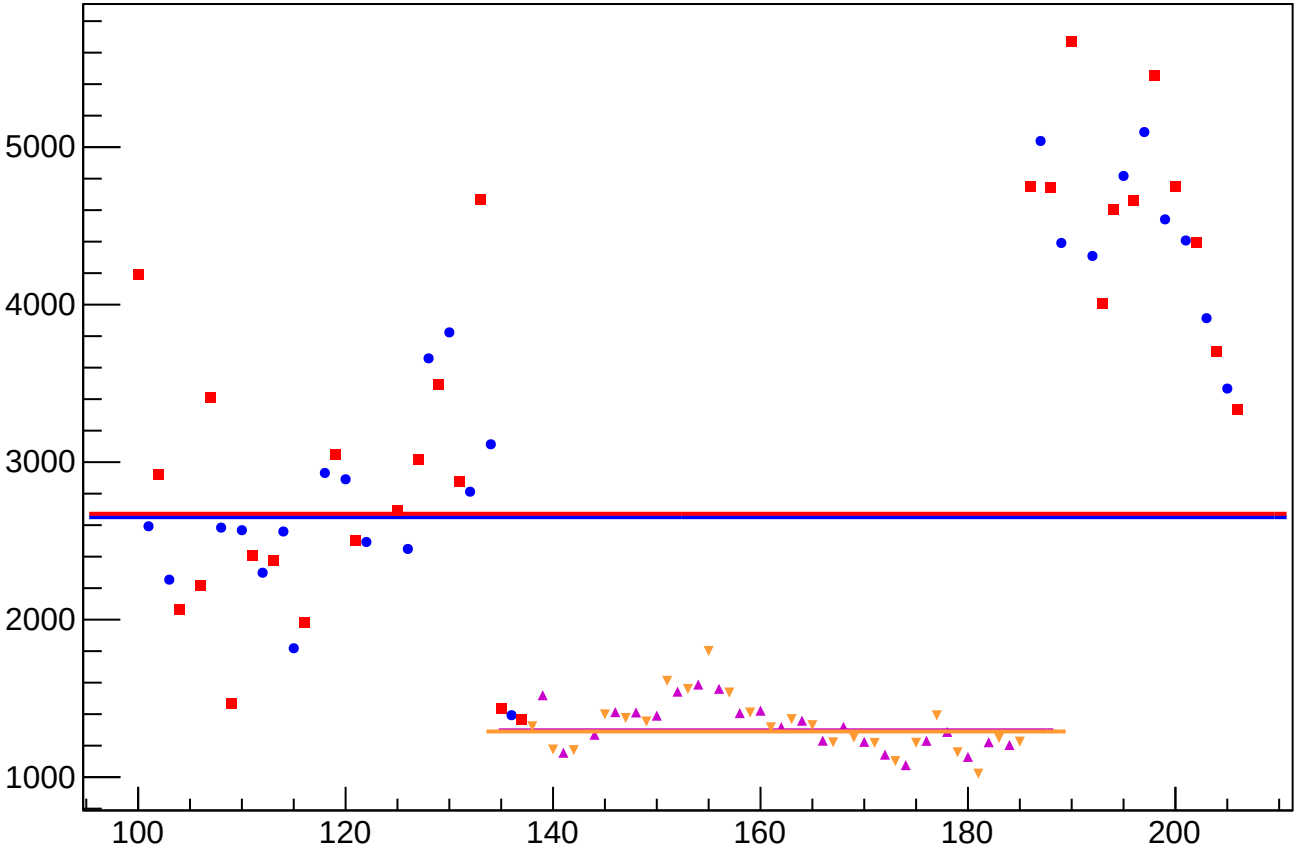
Right: 37.728+/-528.846 χ^2/NDF: 56.5/53

In: 88.457+/-283.535 χ^2/NDF:56.3/47

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -331.960+/-199.096 χ^2/NDF: 157.4/100

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

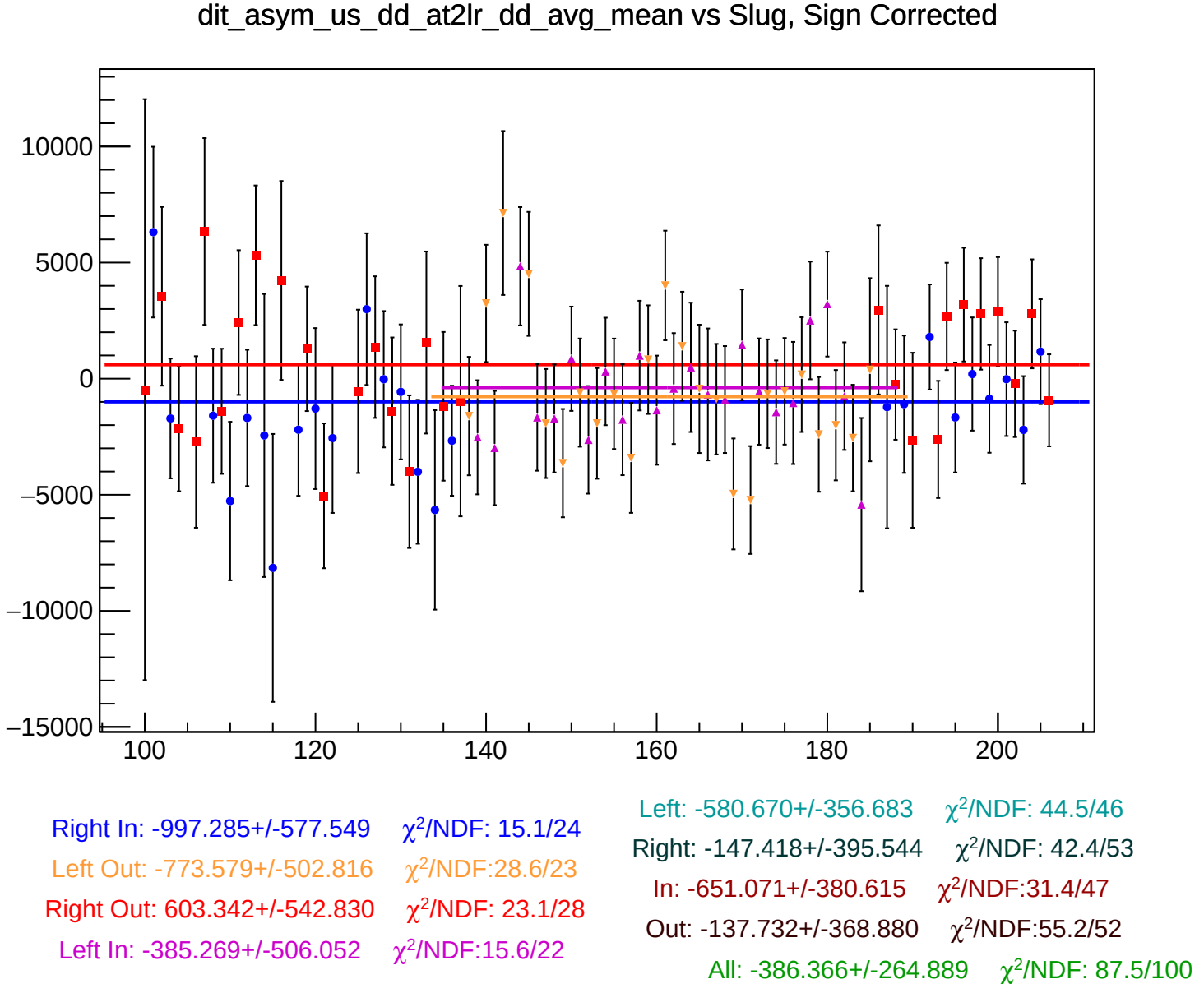
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

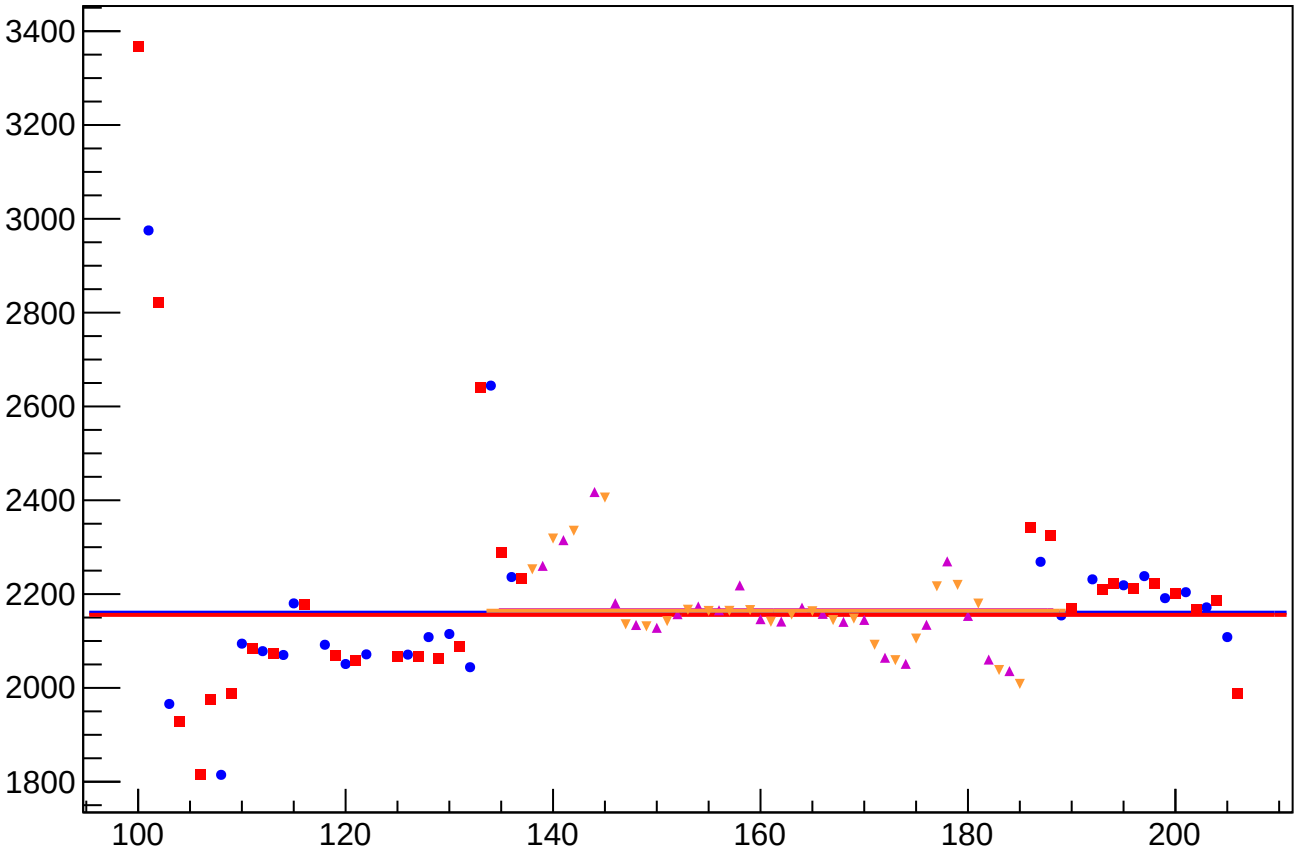
Right: 2661.893+/-0.374 χ^2/NDF: 8886569.5/53

In: 1484.115+/-0.200 χ^2/NDF:9745217.0/47

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1487.628+/-0.141 χ^2/NDF: 21378031.3/1


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -997.285+/-577.549 χ²/NDF: 15.1/24
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 603.342+/-542.830 χ²/NDF: 23.1/28
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -147.418+/-395.544 χ²/NDF: 42.4/53
In: -651.071+/-380.615 χ²/NDF:31.4/47
Out: -137.732+/-368.880 χ²/NDF:55.2/52
All: -386.366+/-264.889 χ²/NDF: 87.5/100



Right In: 2160.360+/-0.408 χ^2/NDF: 186799.0/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.8/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

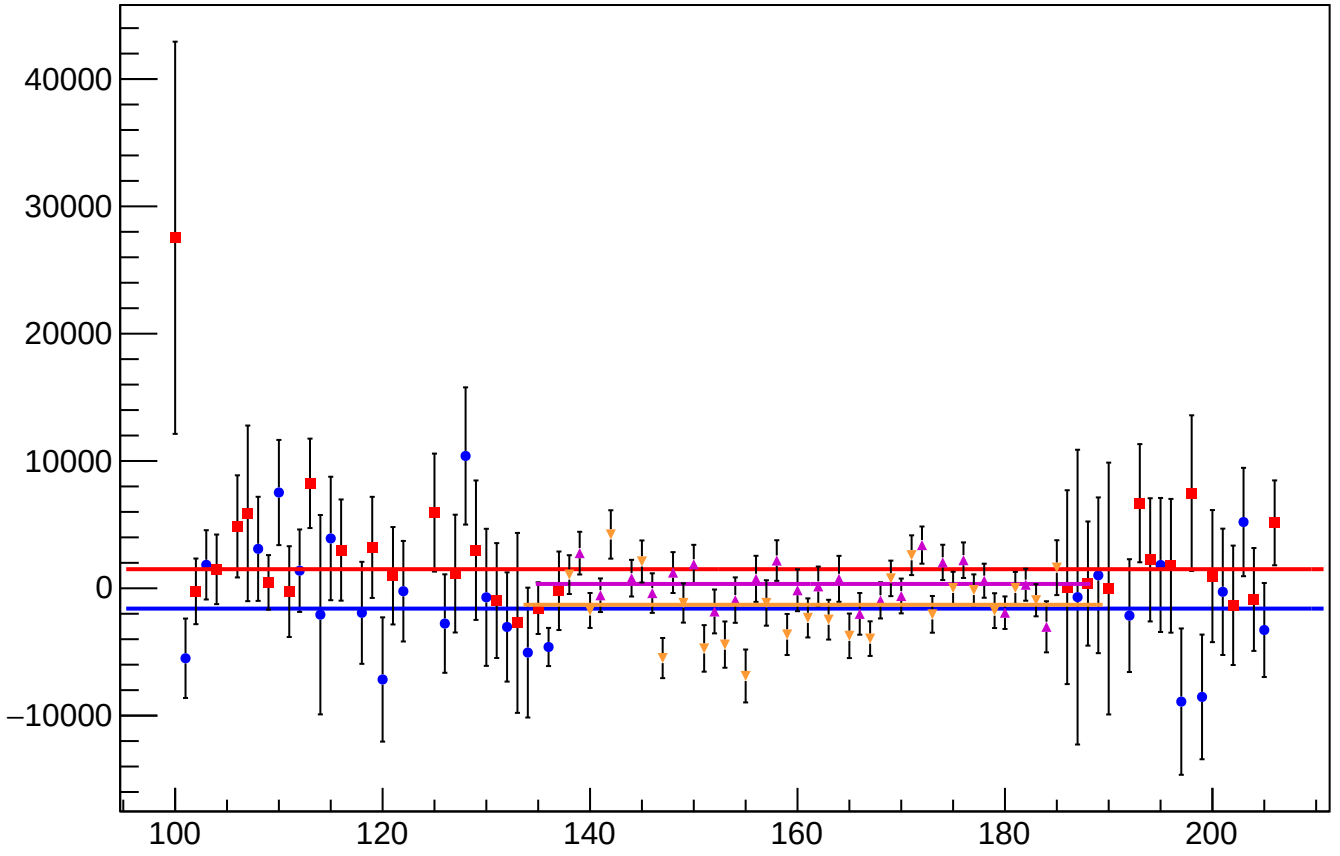
Right: 2157.899+/-0.280 χ^2/NDF: 391067.1/53

In: 2163.349+/-0.269 χ^2/NDF:239018.1/47

Out: 2160.465+/-0.261 χ^2/NDF:255159.4/52

All: 2161.862+/-0.187 χ^2/NDF: 494236.7/100

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1595.153+/-763.569 χ^2/NDF: 29.7/24

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1501.092+/-717.302 χ^2/NDF: 17.4/28

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

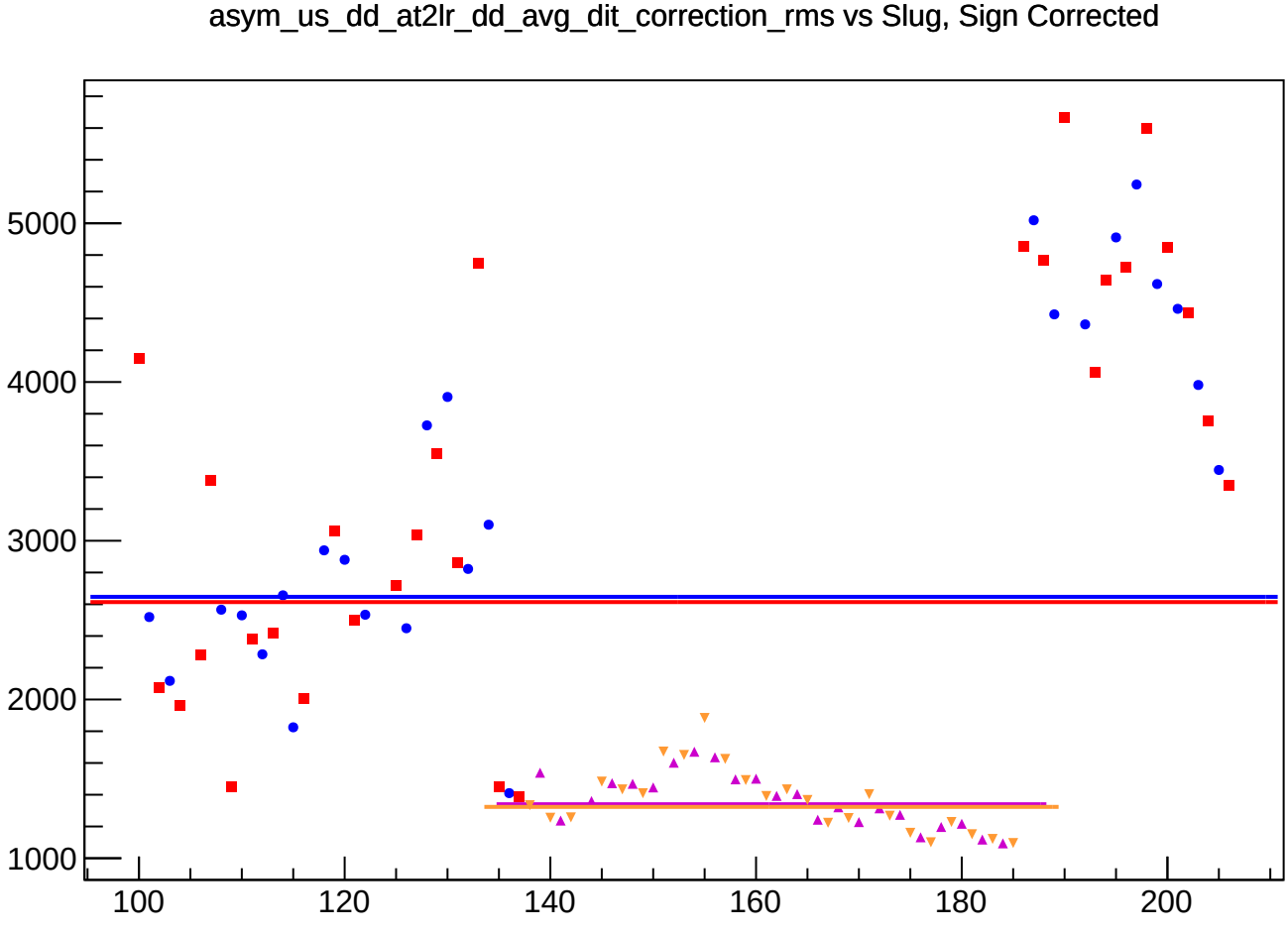
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: 49.611+/-522.801 χ^2/NDF: 55.8/53

In: 58.771+/-291.641 χ^2/NDF:60.0/47

Out: -852.380+/-285.043 χ^2/NDF:88.9/52

All: -407.228+/-203.849 χ^2/NDF: 153.8/100



Right In: 2646.724+/-0.540 χ^2/NDF: 3970535.5/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2613.655+/-0.507 χ^2/NDF: 5205865.7/28

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

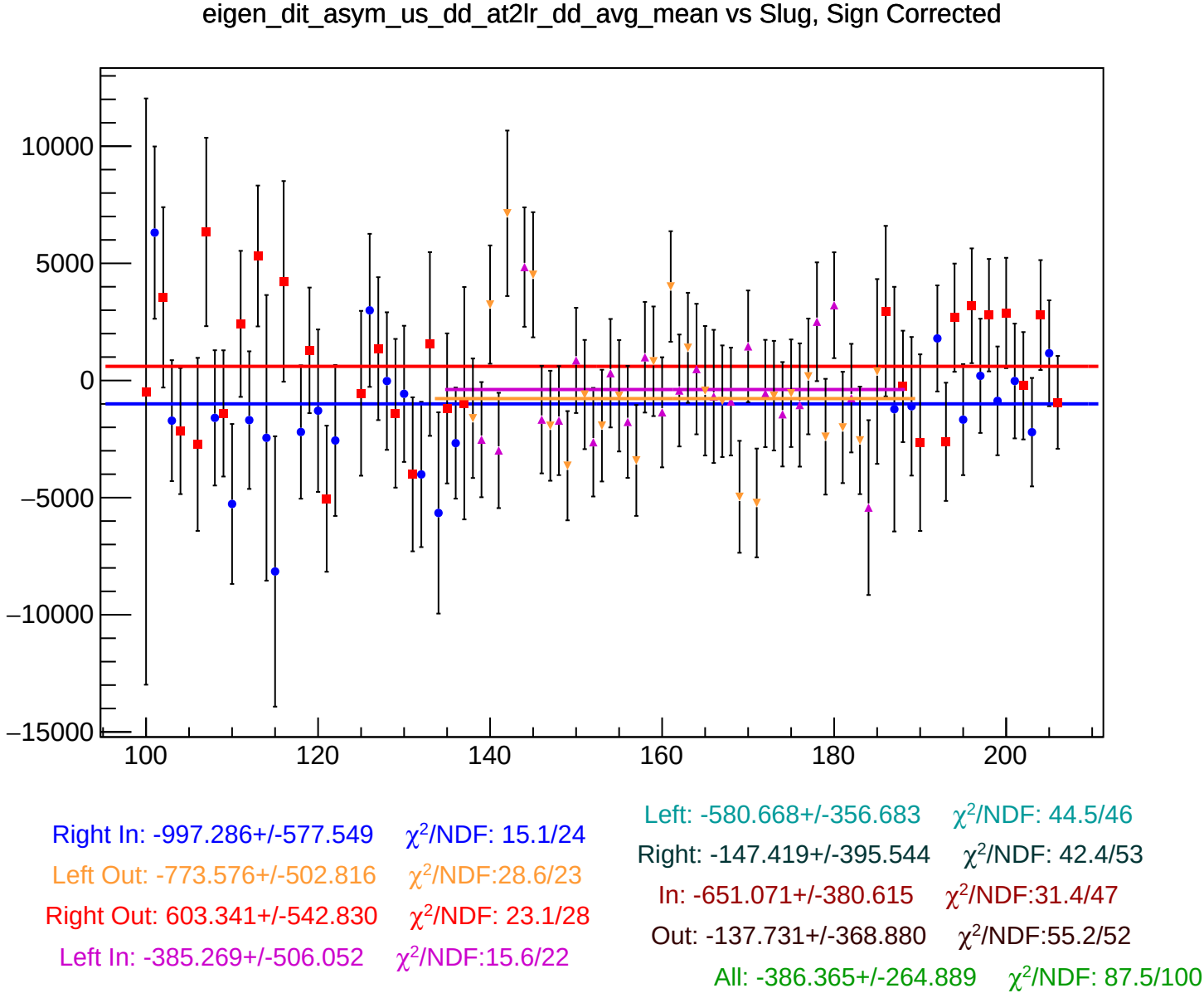
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2629.157+/-0.370 χ^2/NDF: 9178393.9/53

In: 1530.699+/-0.206 χ^2/NDF:9467017.8/47

Out: 1527.149+/-0.202 χ^2/NDF:11318917.0/52

All: 1528.884+/-0.144 χ^2/NDF: 20786086.4/1


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−5000
−10000
−15000
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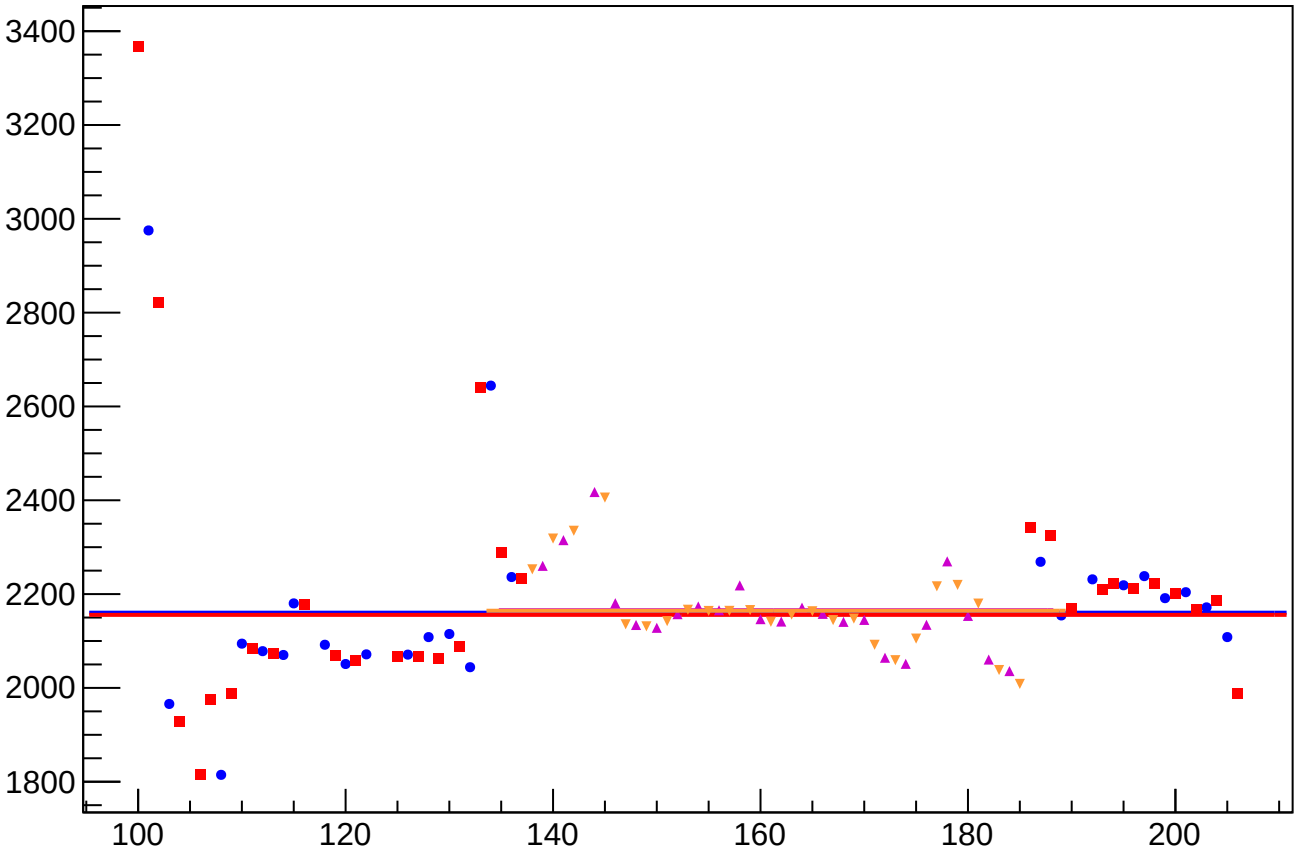
140
160
180
200
Right In: -997.286+/-577.549 χ²/NDF: 15.1/24
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 603.341+/-542.830 χ²/NDF: 23.1/28
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -147.419+/-395.544 χ²/NDF: 42.4/53
In: -651.071+/-380.615 χ²/NDF:31.4/47
Out: -137.731+/-368.880 χ²/NDF:55.2/52
All: -386.365+/-264.889 χ²/NDF: 87.5/100



Right In: 2160.360+/-0.408 χ^2/NDF: 186798.9/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.6/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

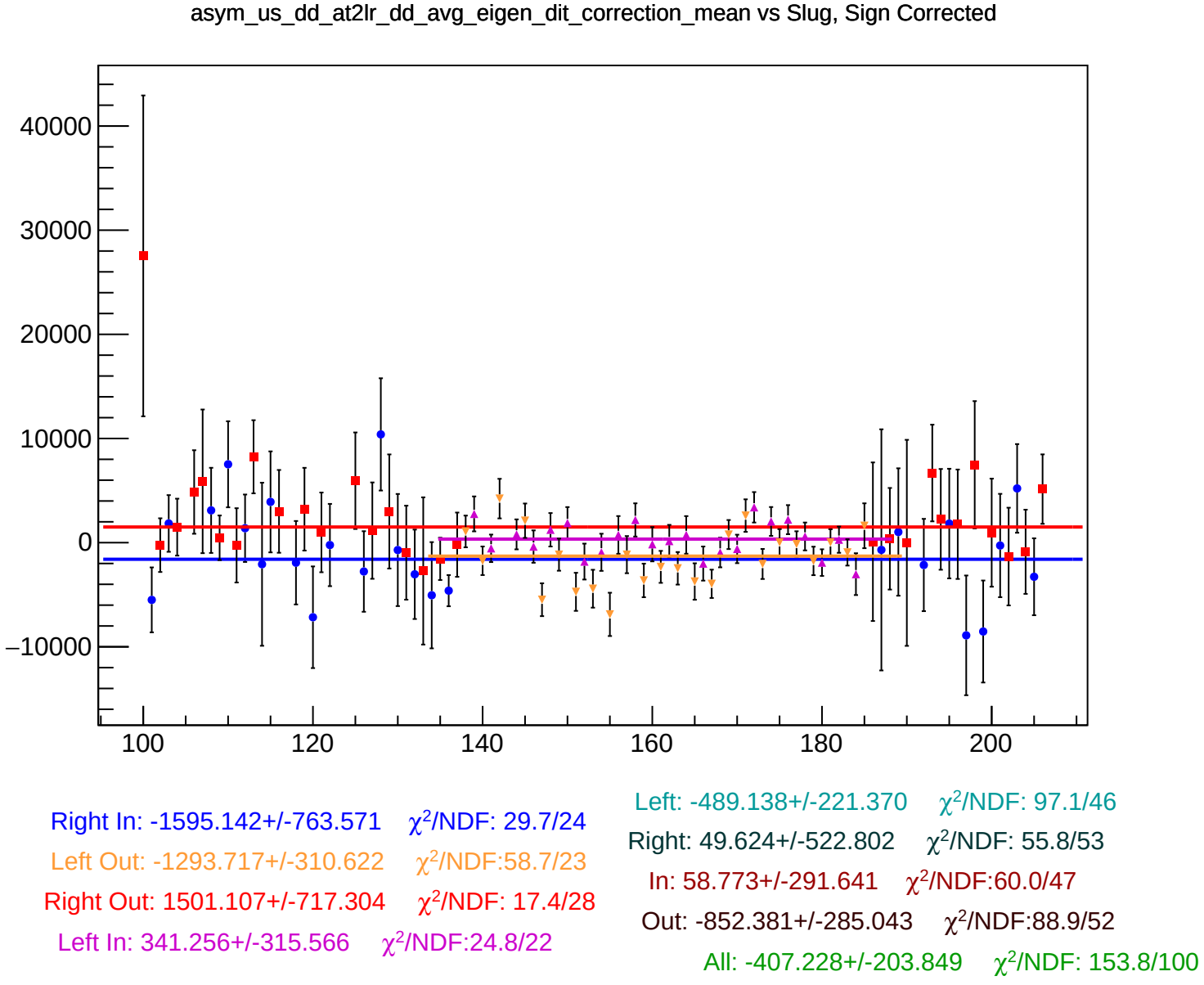
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

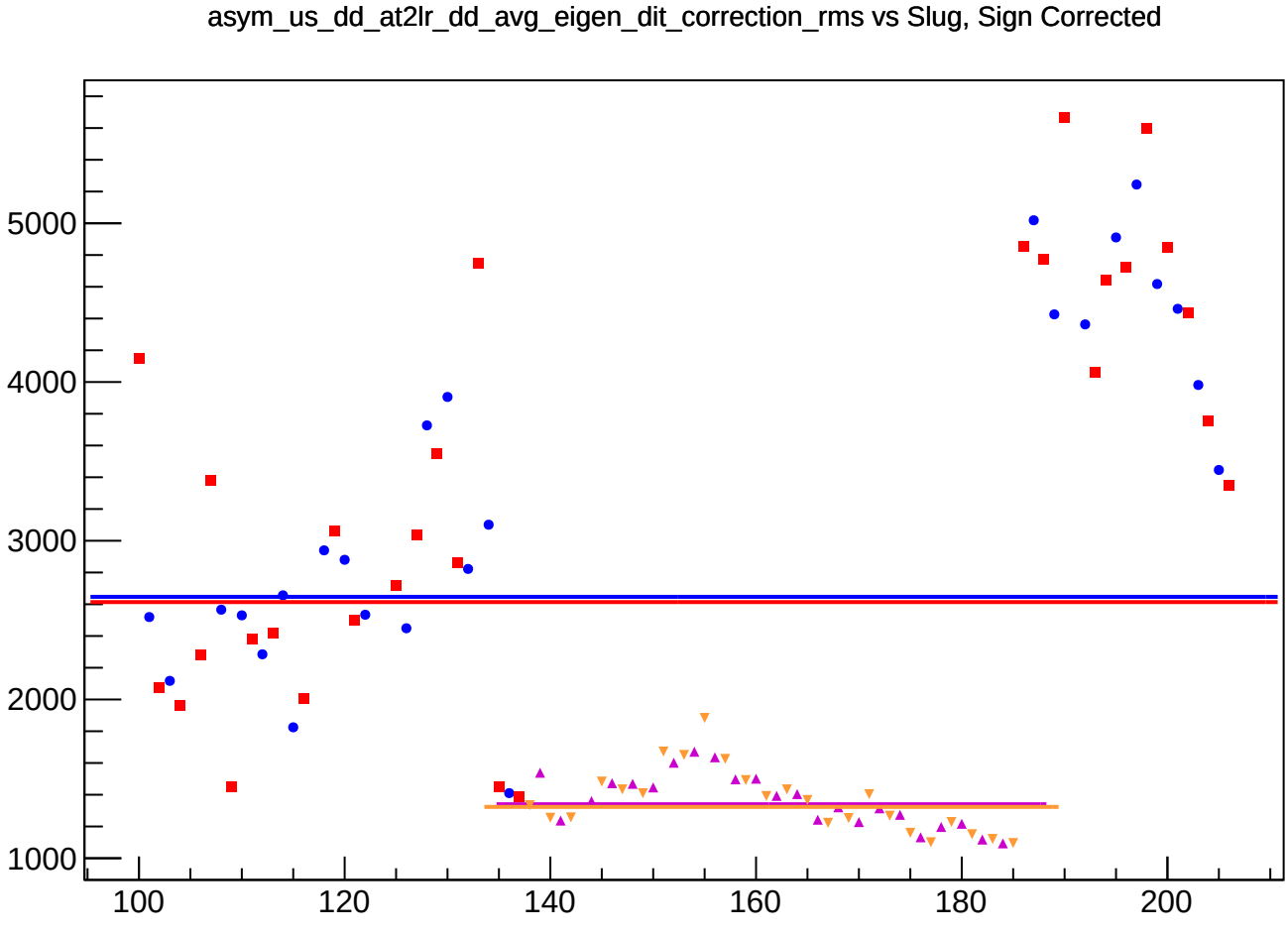
Right: 2157.899+/-0.280 χ^2/NDF: 391066.9/53

In: 2163.348+/-0.269 χ^2/NDF:239018.0/47

Out: 2160.465+/-0.261 χ^2/NDF:255159.3/52

All: 2161.862+/-0.187 χ^2/NDF: 494236.5/100


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1595.142+/-763.571 χ²/NDF: 29.7/24
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 1501.107+/-717.304 χ²/NDF: 17.4/28
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: 49.624+/-522.802 χ²/NDF: 55.8/53
In: 58.773+/-291.641 χ²/NDF:60.0/47
Out: -852.381+/-285.043 χ²/NDF:88.9/52
All: -407.228+/-203.849 χ²/NDF: 153.8/100



Right In: 2646.736+/-0.540 χ^2/NDF: 3970445.8/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2613.667+/-0.507 χ^2/NDF: 5205776.6/28

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

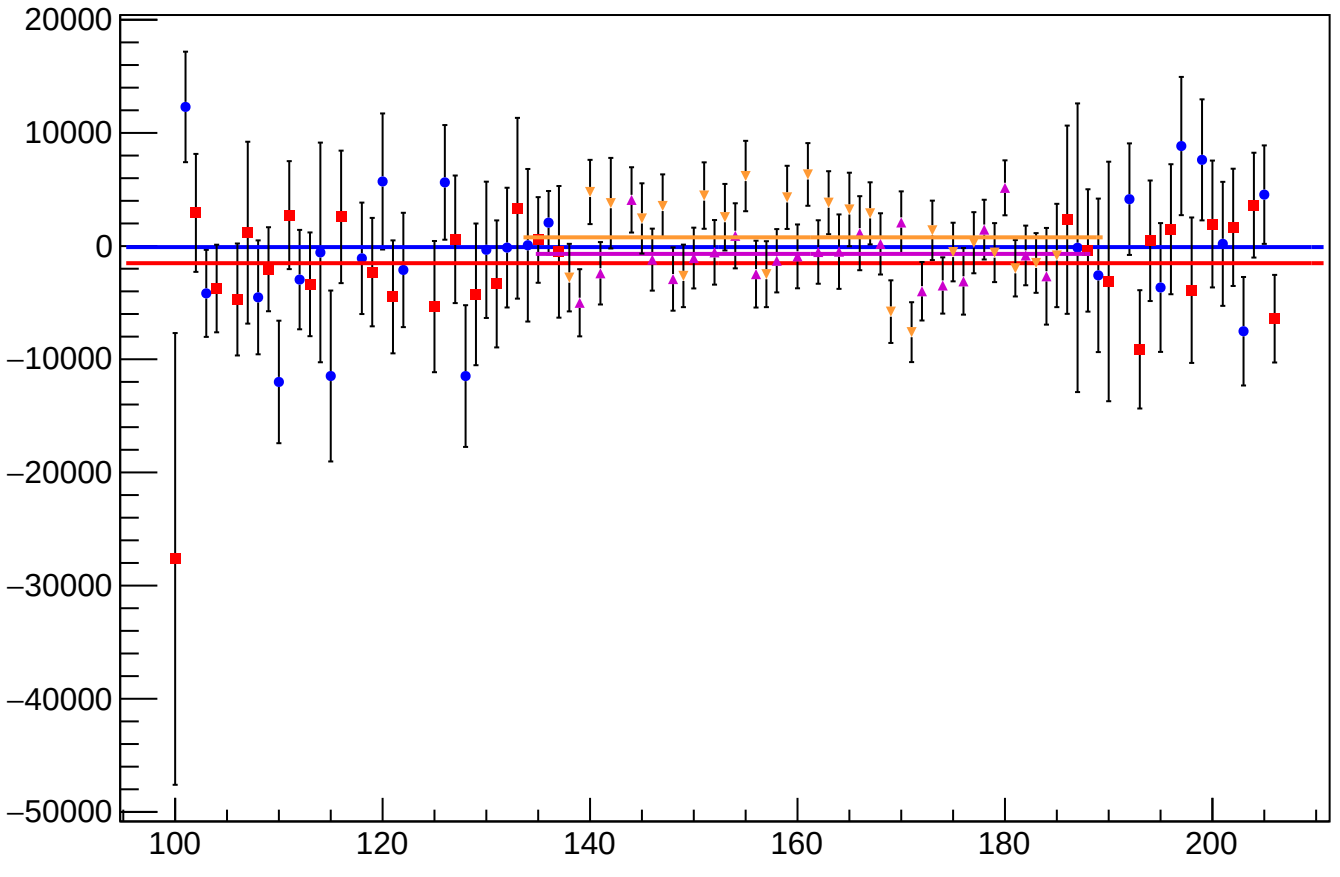
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2629.169+/-0.370 χ^2/NDF: 9178215.1/53

In: 1530.699+/-0.206 χ^2/NDF:9467018.4/47

Out: 1527.150+/-0.202 χ^2/NDF:11318904.2/52

All: 1528.884+/-0.144 χ^2/NDF: 20786074.0/1



Right In: -88.629+/-1031.466 χ^2/NDF: 31.2/24

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1509.751+/-980.862 χ^2/NDF: 13.3/28

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

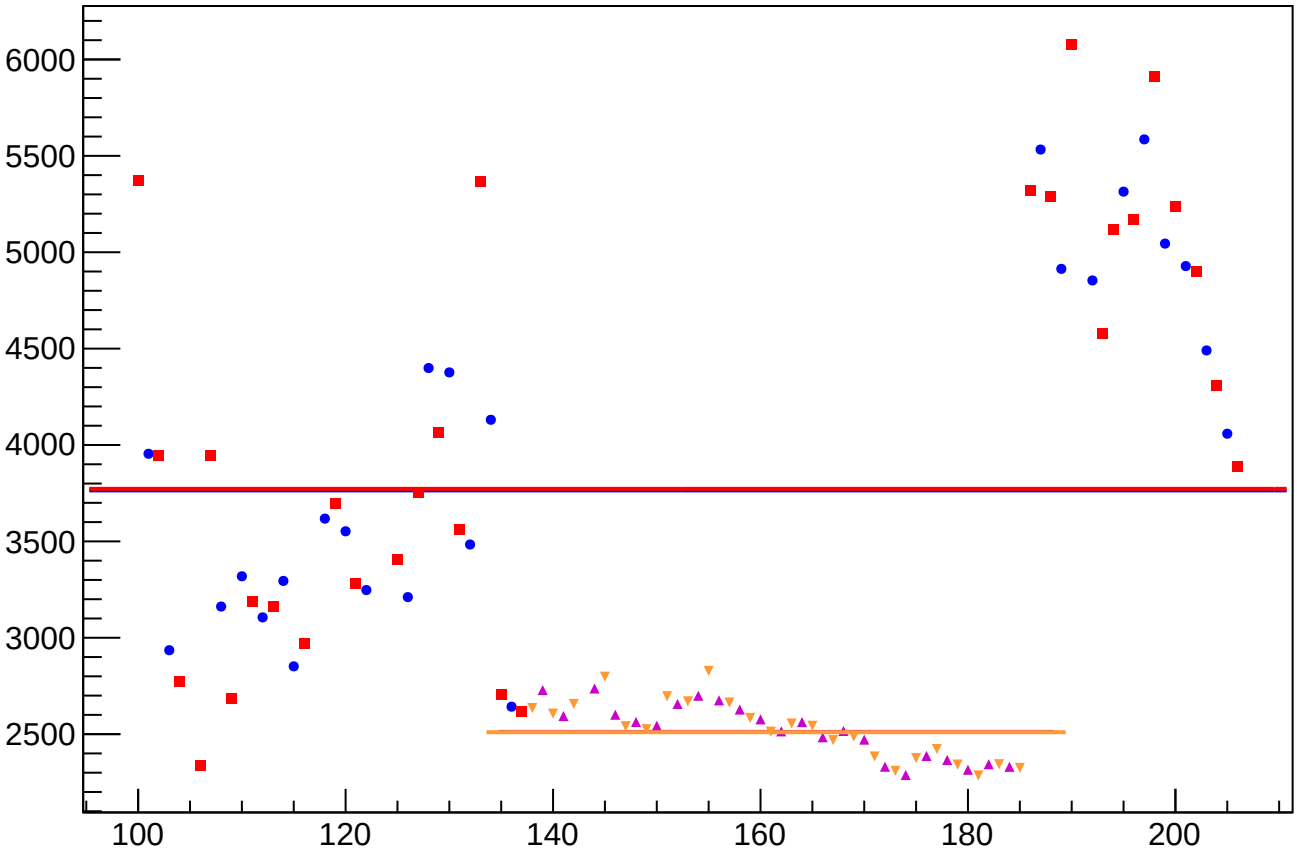
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -834.905+/-710.791 χ^2/NDF: 45.5/53

In: -542.705+/-510.454 χ^2/NDF:49.8/47

Out: 177.349+/-501.597 χ^2/NDF:56.6/52

All: -176.377+/-357.773 χ^2/NDF: 107.5/100



Right In: 3764.578+/-0.729 χ^2/NDF: 1419562.0/24

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3772.541+/-0.694 χ^2/NDF: 2041366.1/28

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

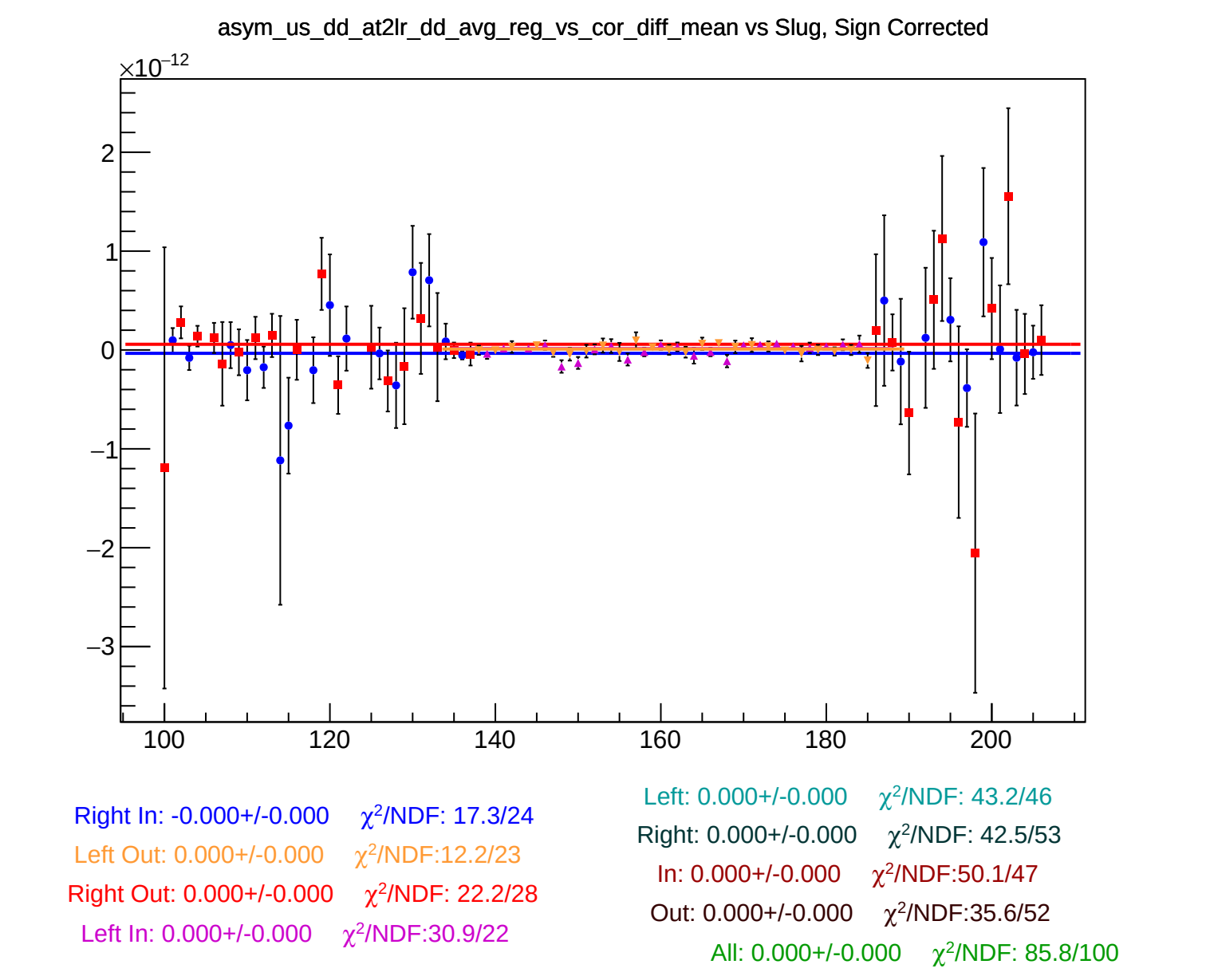
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3768.760+/-0.503 χ^2/NDF: 3460990.7/53

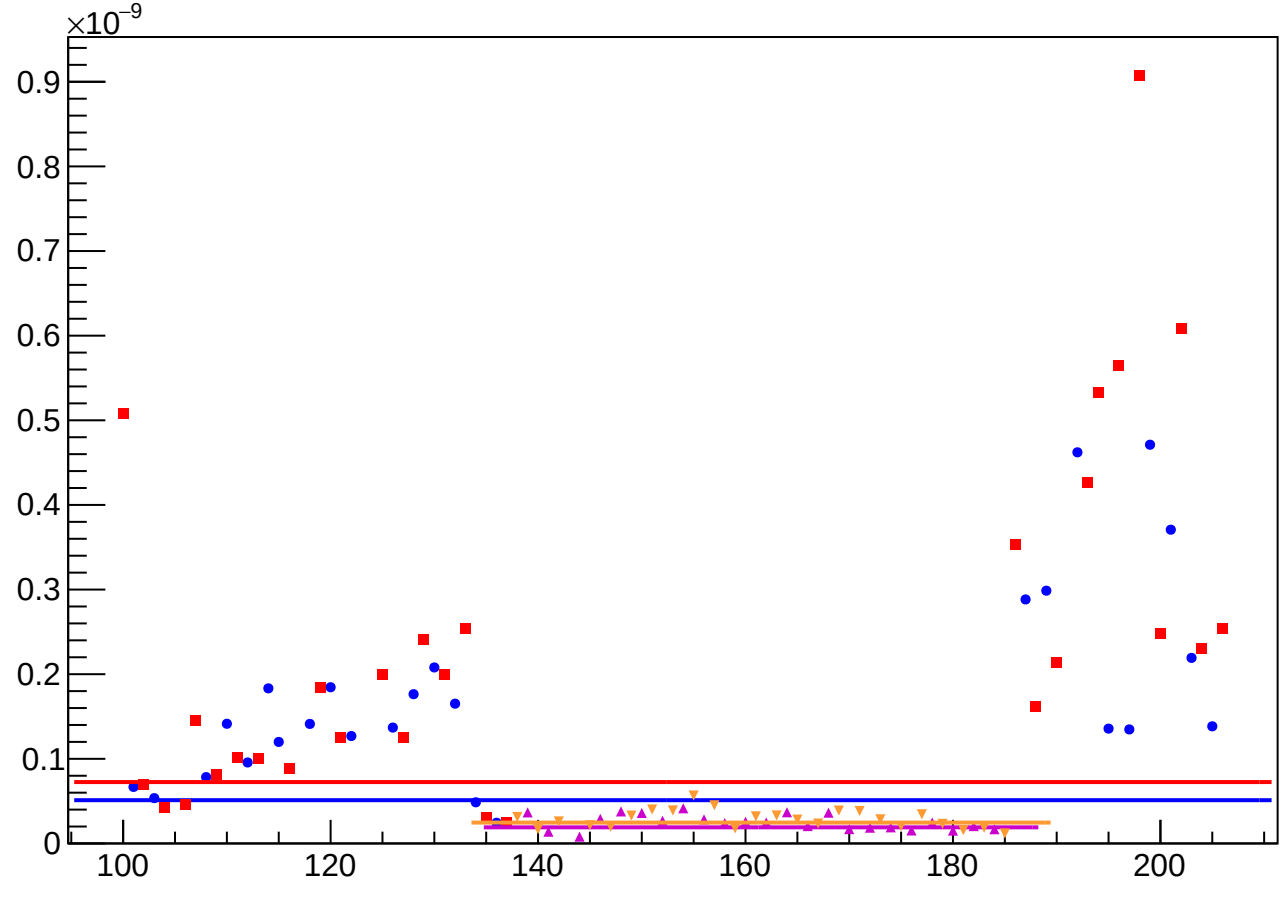
In: 2818.475+/-0.361 χ^2/NDF:3761478.7/47

Out: 2840.227+/-0.355 χ^2/NDF:4616843.4/52

All: 2829.541+/-0.253 χ^2/NDF: 8380169.8/10


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/24
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/28
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 42.5/53
In: 0.000+/-0.000 χ²/NDF:50.1/47
Out: 0.000+/-0.000 χ²/NDF:35.6/52
All: 0.000+/-0.000 χ²/NDF: 85.8/100

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5188027.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7022808.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

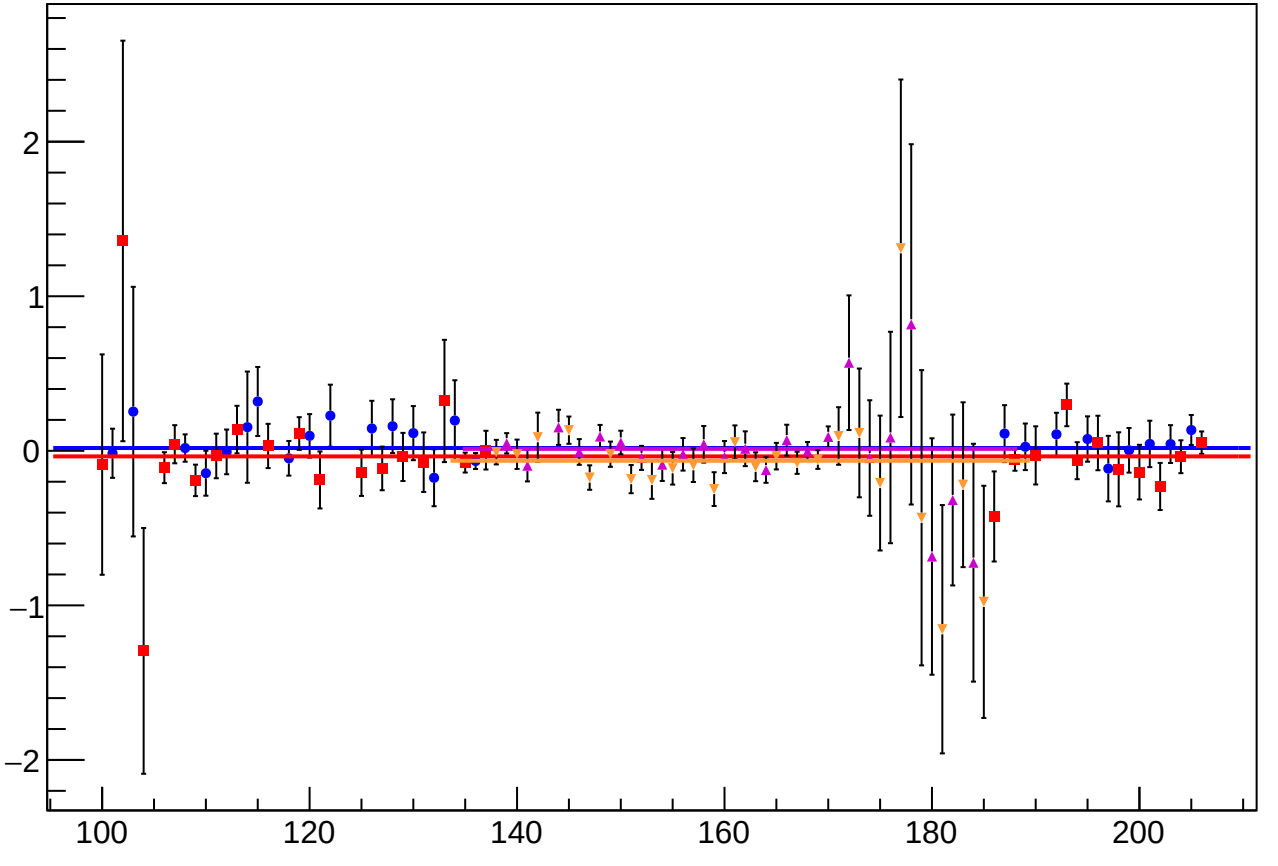
Right: 0.000+/-0.000 χ^2/NDF: 12530429.5/53

In: 0.000+/-0.000 χ^2/NDF:9092776.7/47

Out: 0.000+/-0.000 χ^2/NDF:10919961.5/52

All: 0.000+/-0.000 χ^2/NDF: 20498037.6/100

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

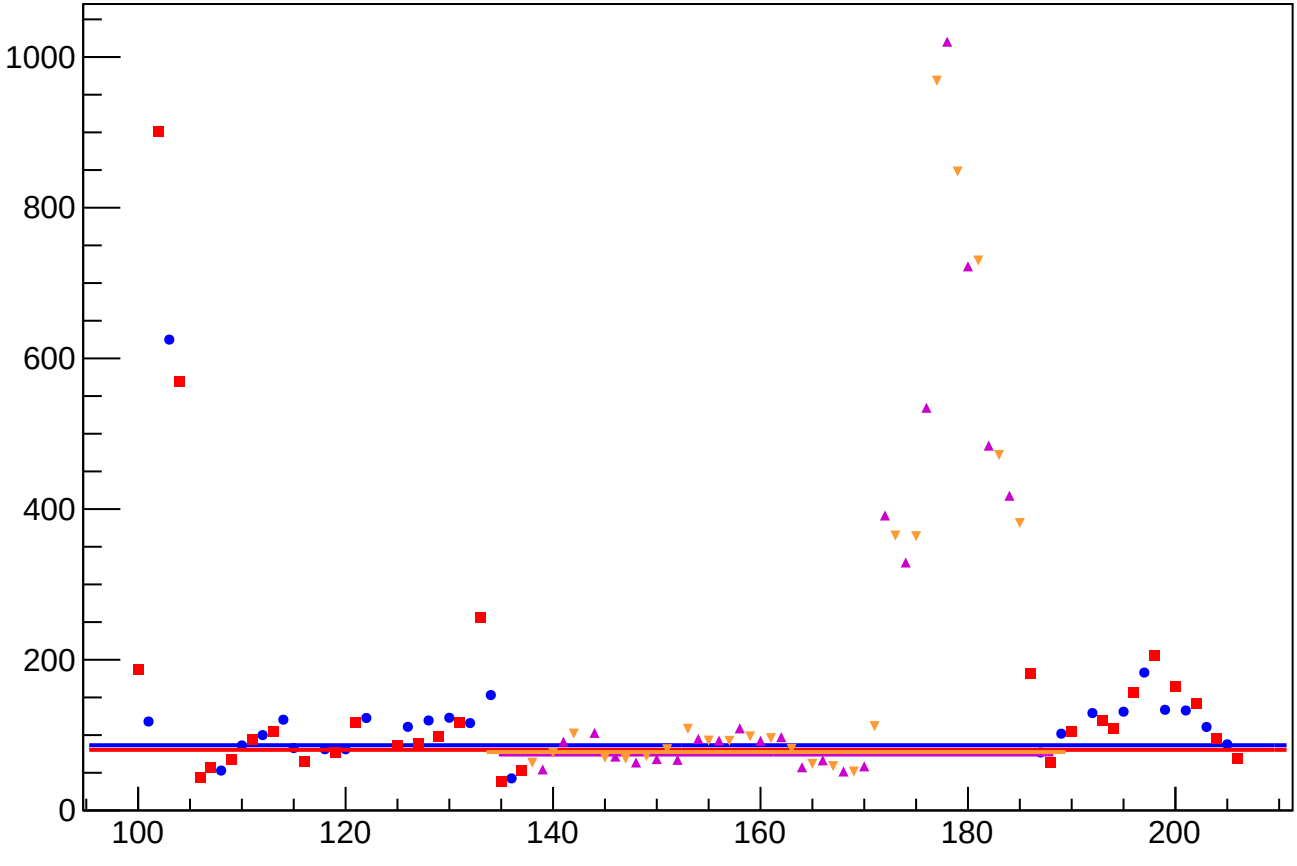
Right: -0.012+/-0.018 χ^2/NDF: 40.7/53

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.019+/-0.012 χ^2/NDF: 84.7/100

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

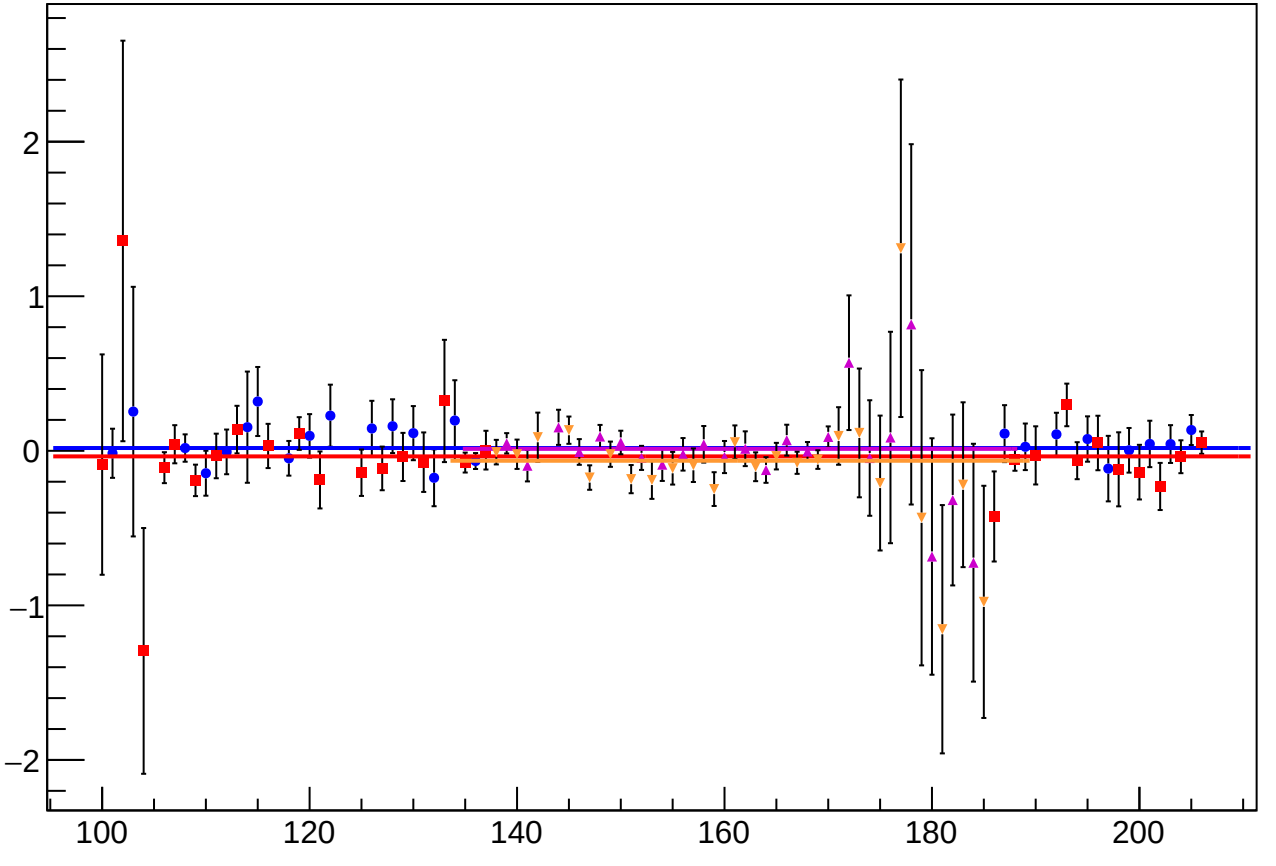
Right: 83.190+/-0.013 χ^2/NDF: 10590871.7/53

In: 79.011+/-0.012 χ^2/NDF:13267567.1/47

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.948+/-0.008 χ^2/NDF: 27659241.8/100

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

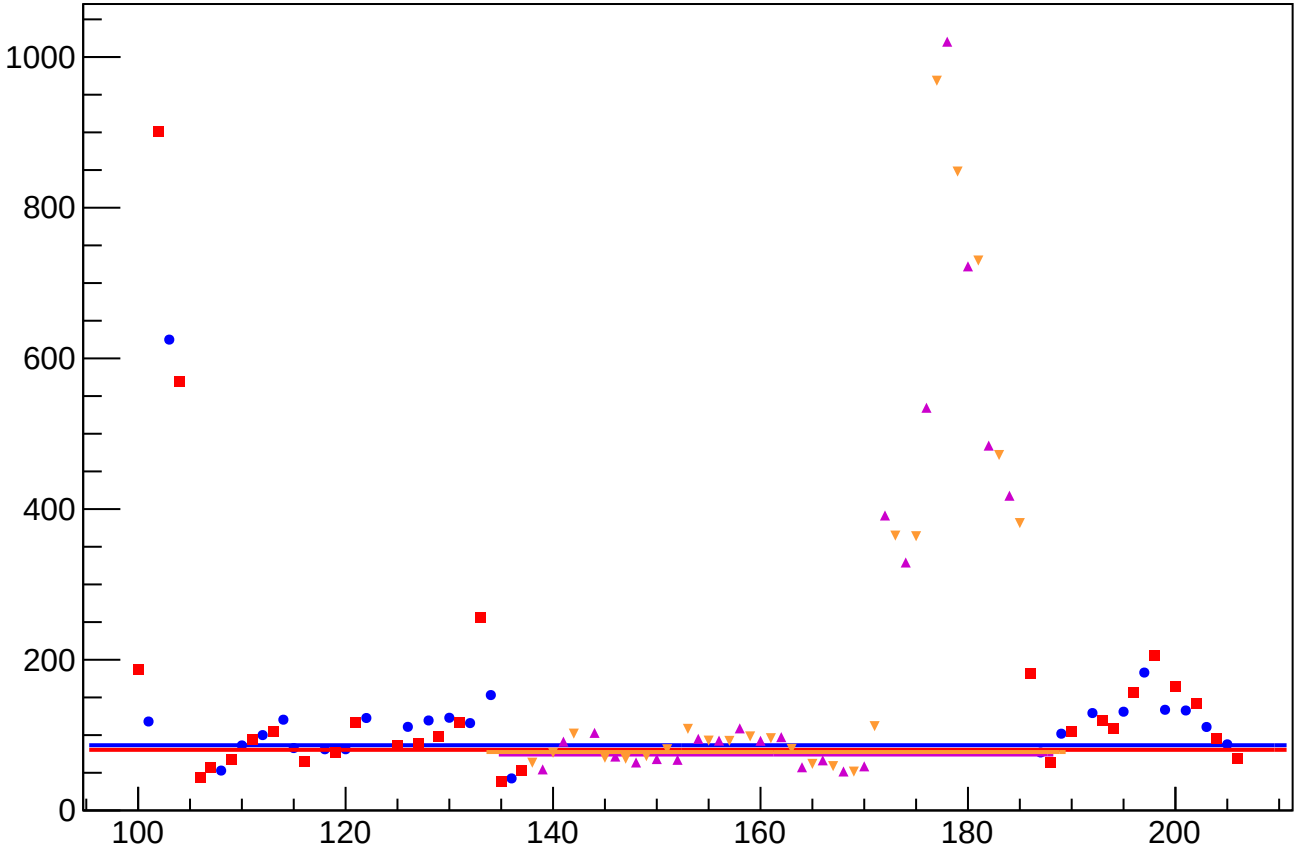
Right: -0.012+/-0.018 χ^2/NDF: 40.7/53

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.019+/-0.012 χ^2/NDF: 84.7/100

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

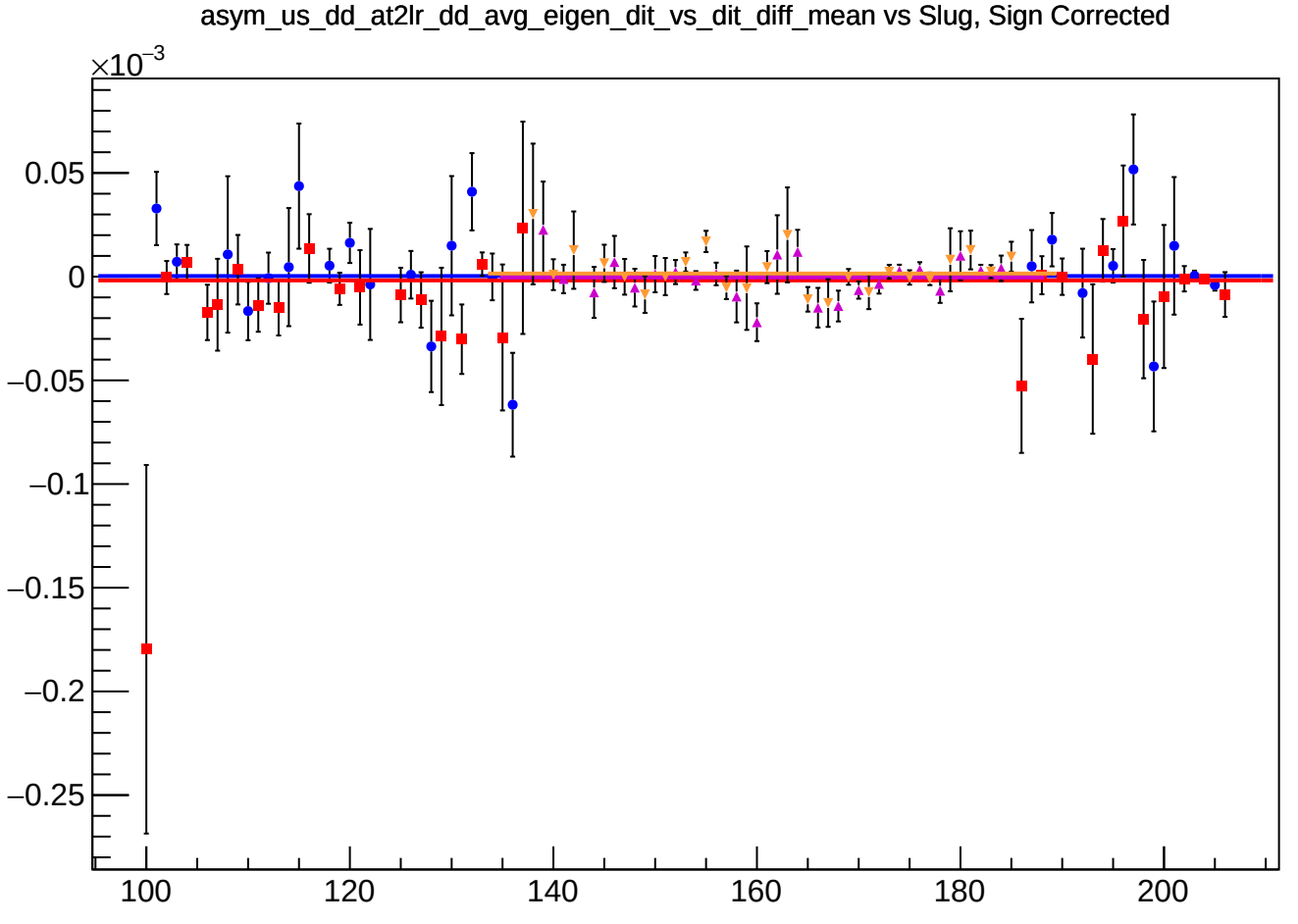
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 83.190+/-0.013 χ^2/NDF: 10590871.7/53

In: 79.011+/-0.012 χ^2/NDF:13267567.1/47

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.948+/-0.008 χ^2/NDF: 27659241.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/28

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

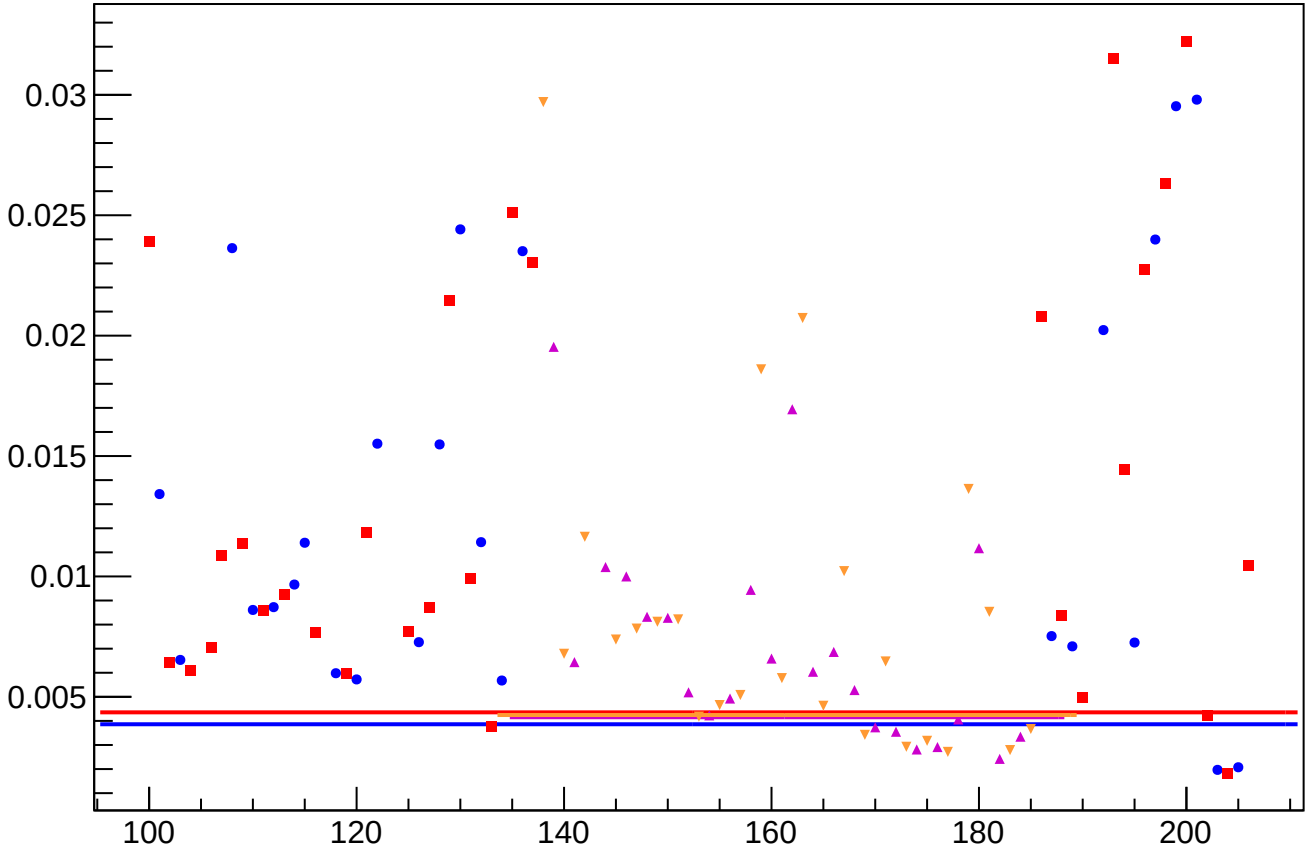
Right: -0.000+/-0.000 χ^2/NDF: 59.8/53

In: -0.000+/-0.000 χ^2/NDF:60.0/47

Out: 0.000+/-0.000 χ^2/NDF:53.6/52

All: 0.000+/-0.000 χ^2/NDF: 113.7/100

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 13278663.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13939290.0/28

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

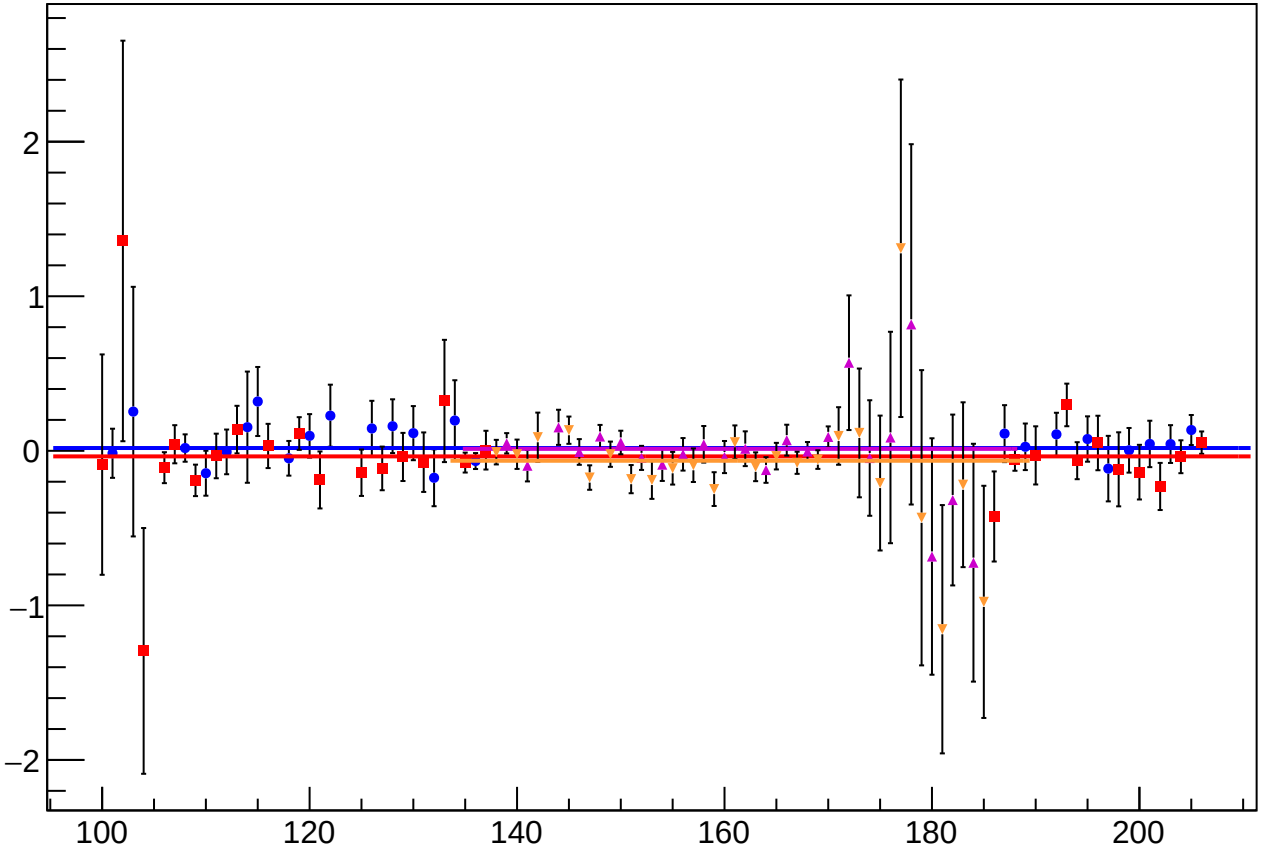
Right: 0.004+/-0.000 χ^2/NDF: 27319852.7/53

In: 0.004+/-0.000 χ^2/NDF:20209621.8/47

Out: 0.004+/-0.000 χ^2/NDF:22596819.7/52

All: 0.004+/-0.000 χ^2/NDF: 42871882.1/100

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

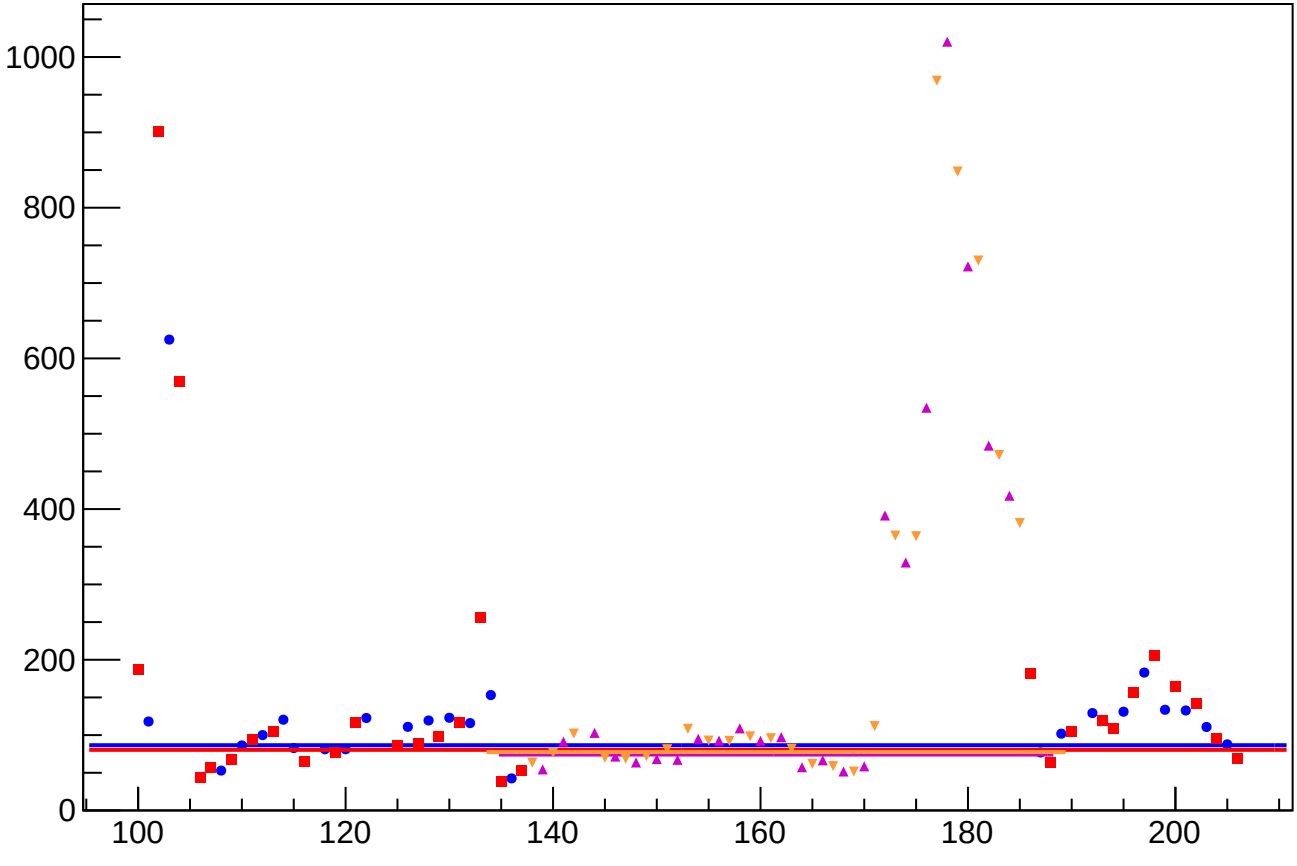
Right: -0.012+/-0.018 χ^2/NDF: 40.7/53

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.019+/-0.012 χ^2/NDF: 84.7/100

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

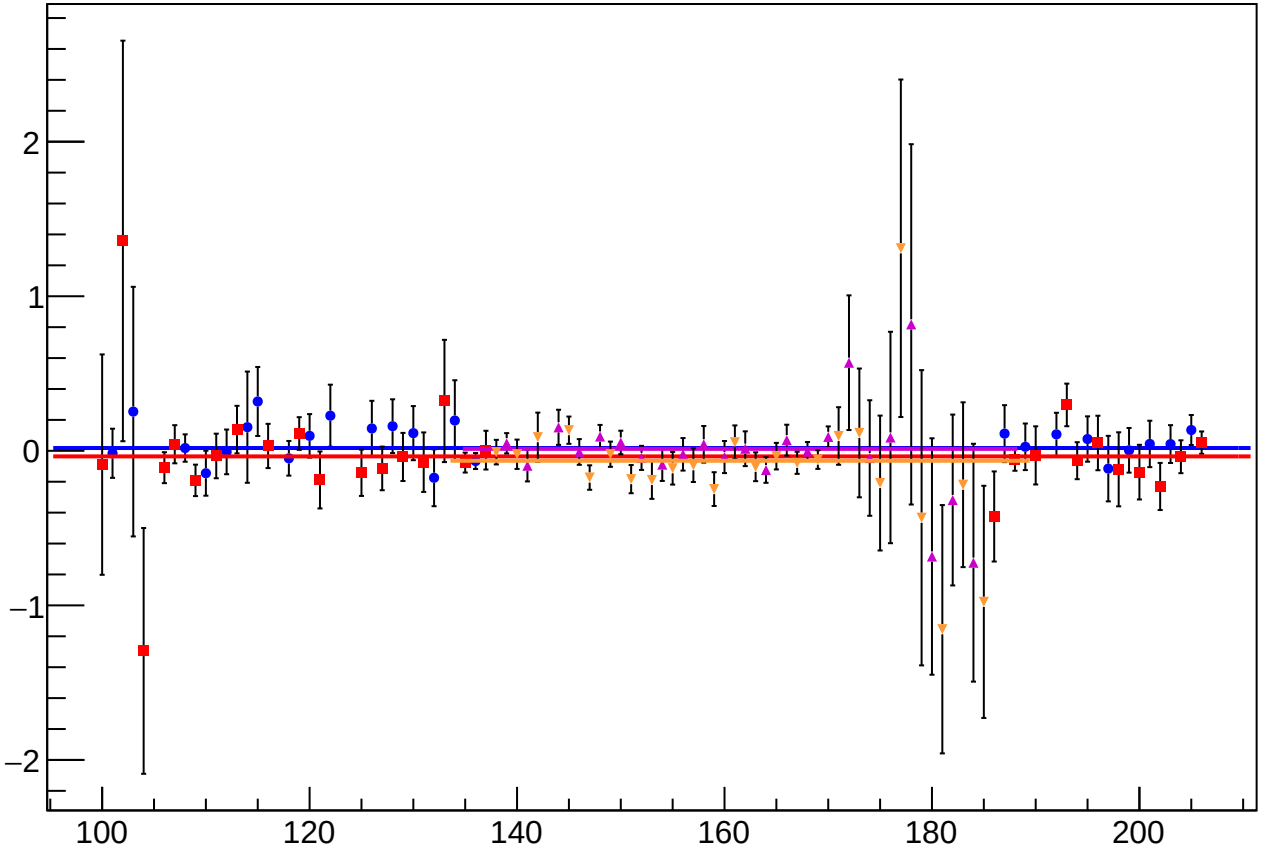
Right: 83.195+/-0.013 χ^2/NDF: 10589267.7/53

In: 79.019+/-0.012 χ^2/NDF:13264353.6/47

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.951+/-0.008 χ^2/NDF: 27657452.4/100

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

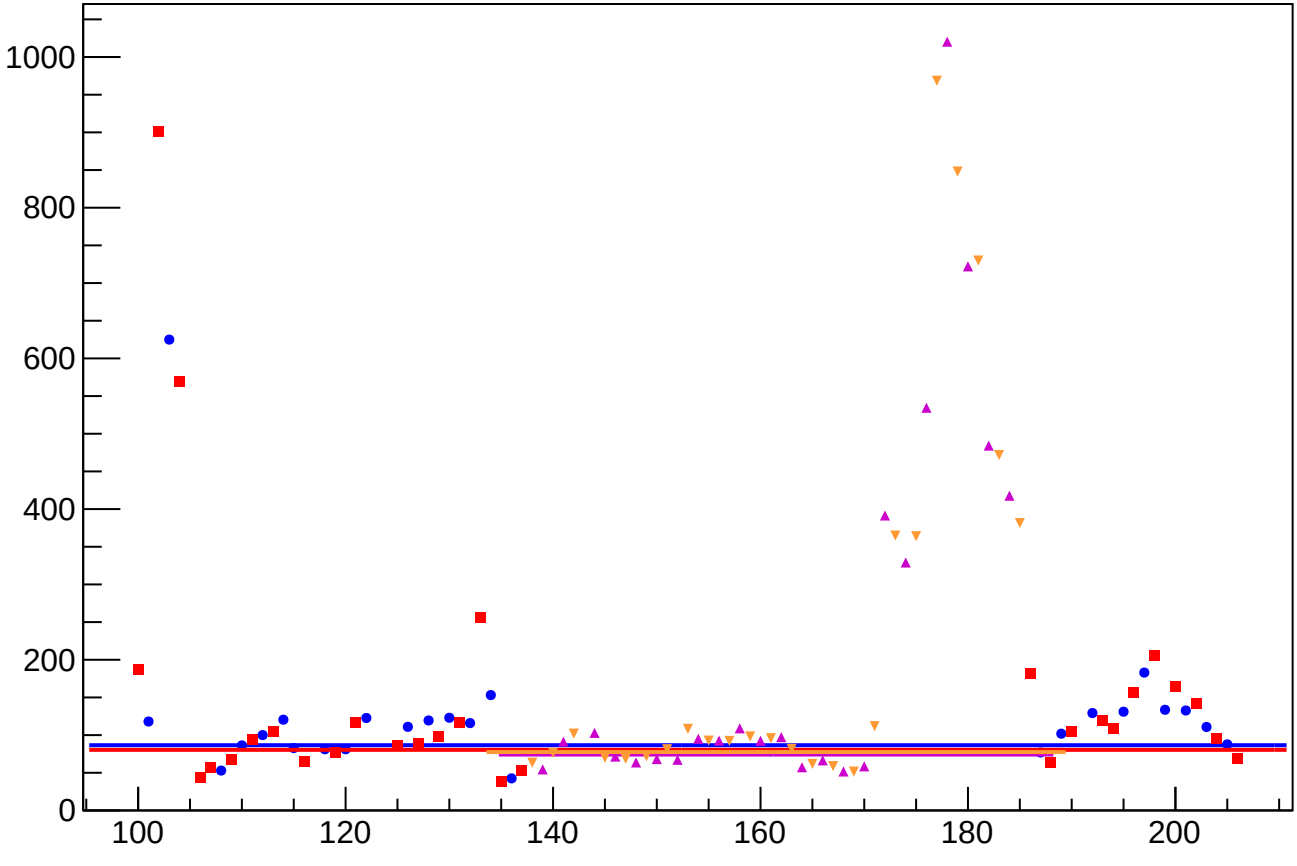
Right: -0.012+/-0.018 χ^2/NDF: 40.7/53

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.019+/-0.012 χ^2/NDF: 84.7/100

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

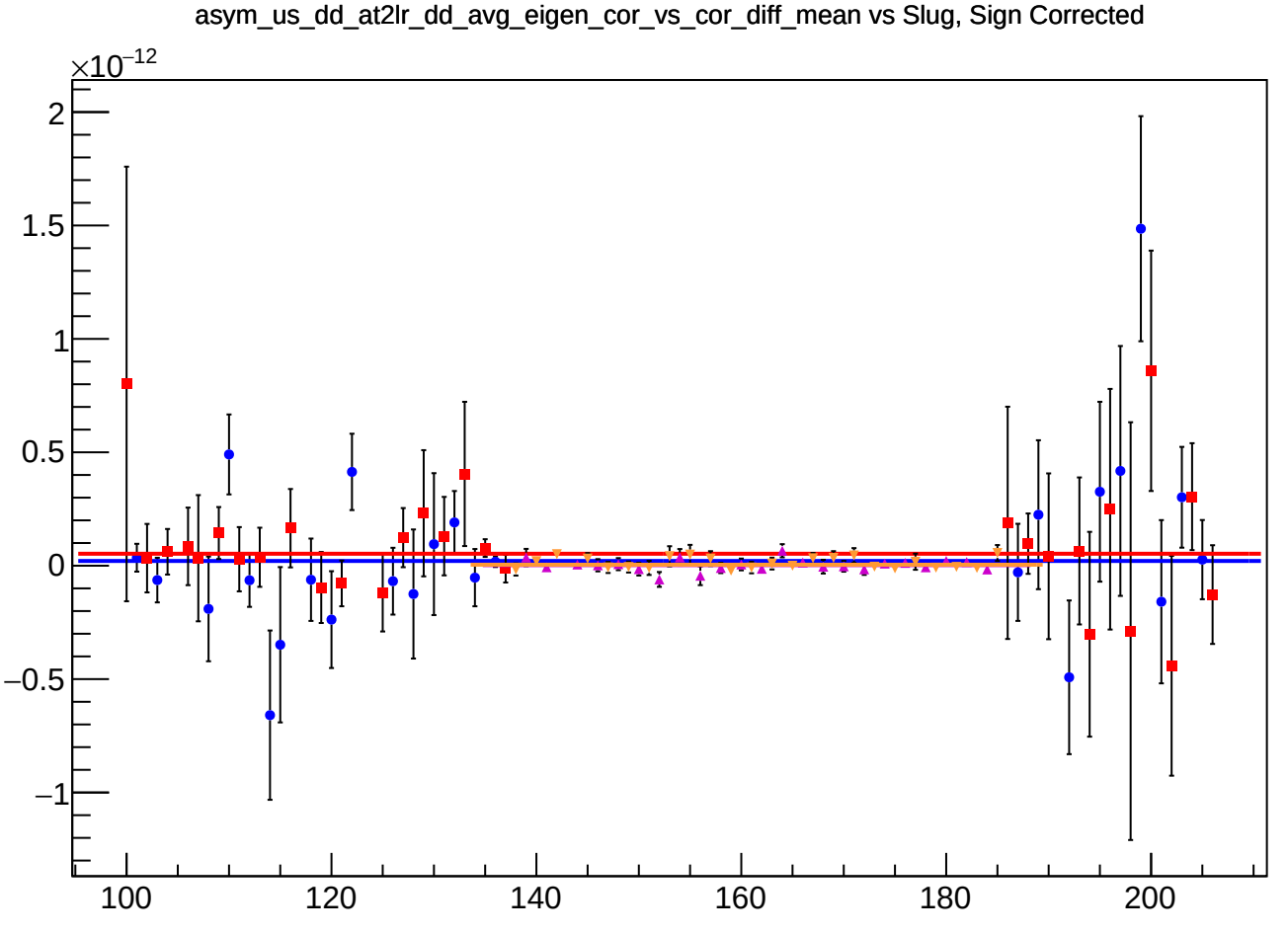
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 83.195+/-0.013 χ^2/NDF: 10589267.7/53

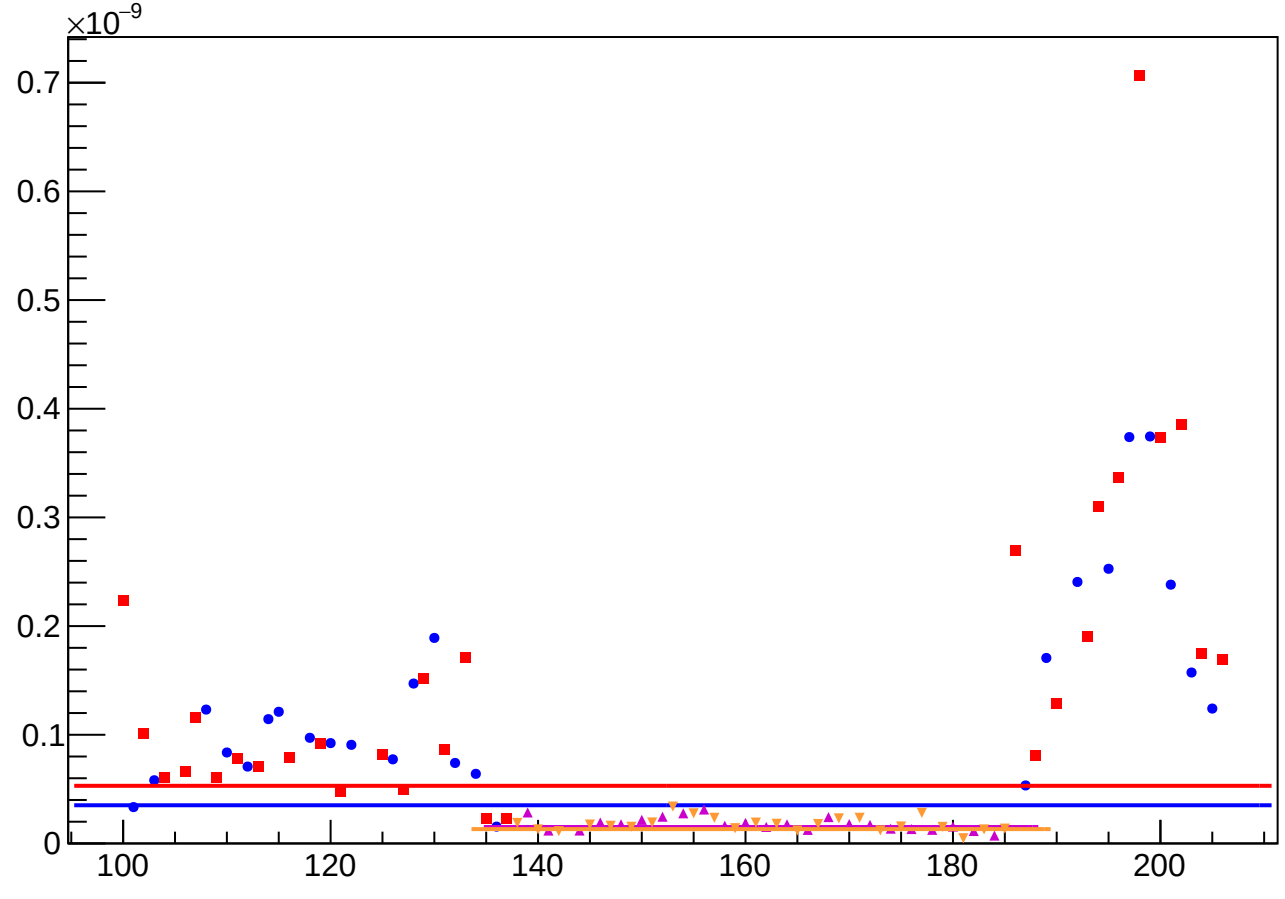
In: 79.019+/-0.012 χ^2/NDF:13264353.6/47

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.951+/-0.008 χ^2/NDF: 27657452.4/100


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 37.8/24
Left Out: 0.000+/-0.000 χ²/NDF:21.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/28
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: 0.000+/-0.000 χ²/NDF: 39.3/46
Right: 0.000+/-0.000 χ²/NDF: 54.2/53
In: 0.000+/-0.000 χ²/NDF:56.2/47
Out: 0.000+/-0.000 χ²/NDF:41.0/52
All: 0.000+/-0.000 χ²/NDF: 97.4/100

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9377762.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8926577.0/28

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

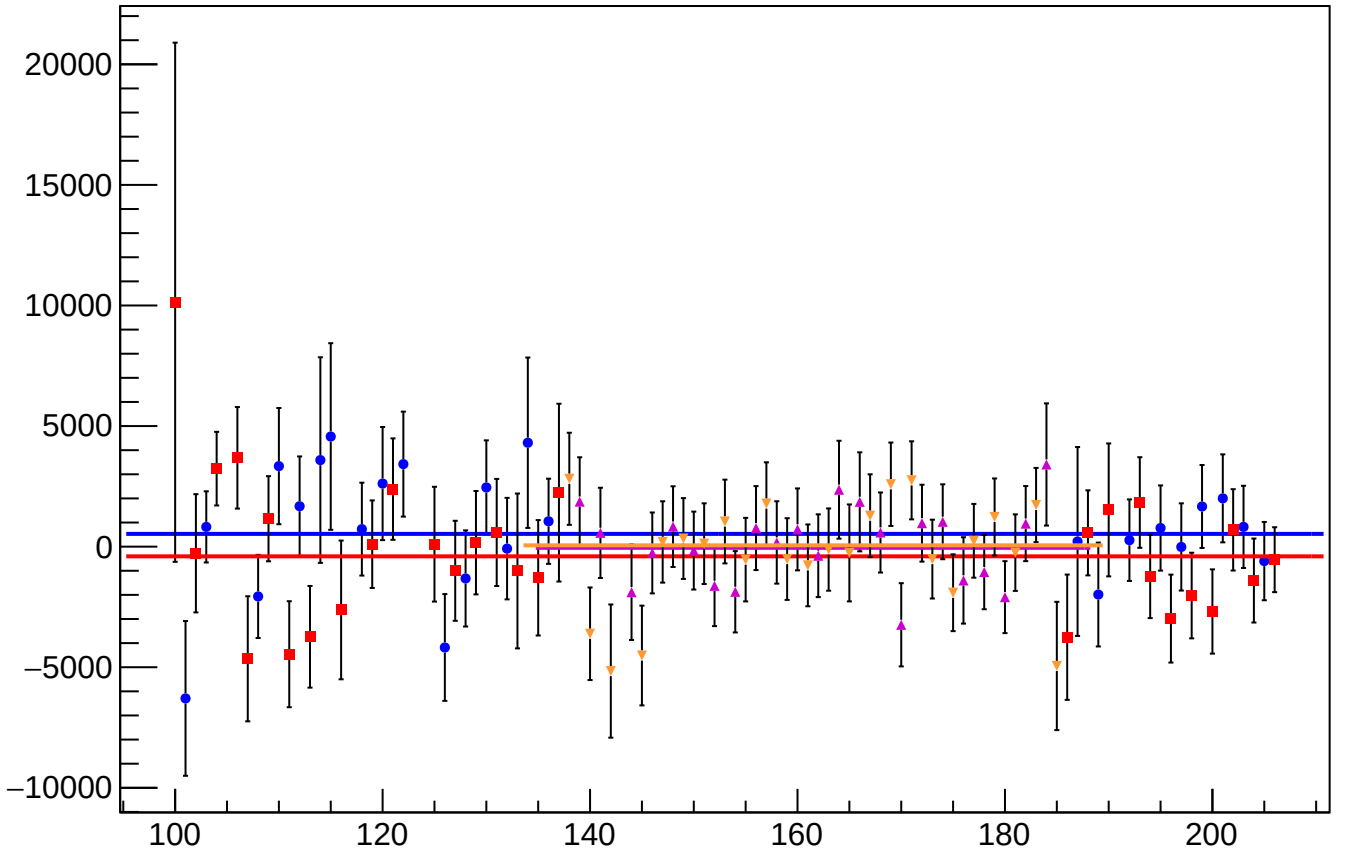
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18995200.4/53

In: 0.000+/-0.000 χ^2/NDF:13633951.6/47

Out: 0.000+/-0.000 χ^2/NDF:18570740.3/52

All: 0.000+/-0.000 χ^2/NDF: 32369631.7/100



Right In: 529.114+/-406.618 χ^2/NDF: 23.4/24

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -401.898+/-379.149 χ^2/NDF: 32.7/28

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

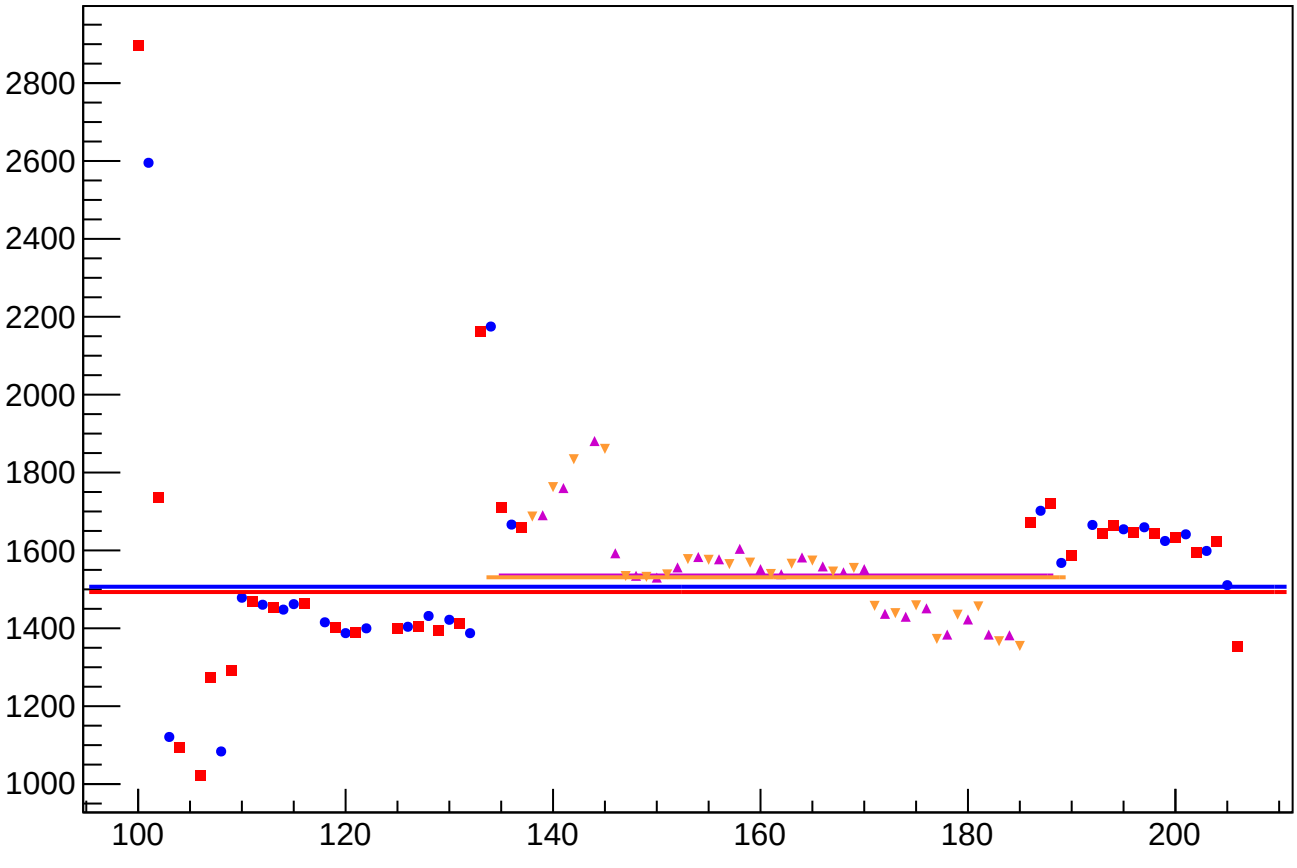
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 31.100+/-277.302 χ^2/NDF: 59.0/53

In: 205.122+/-269.343 χ^2/NDF:41.3/47

Out: -159.438+/-259.673 χ^2/NDF:62.0/52

All: 16.180+/-186.942 χ^2/NDF: 104.3/100



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.1/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1493.116+/-0.268 χ^2/NDF: 622378.8/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

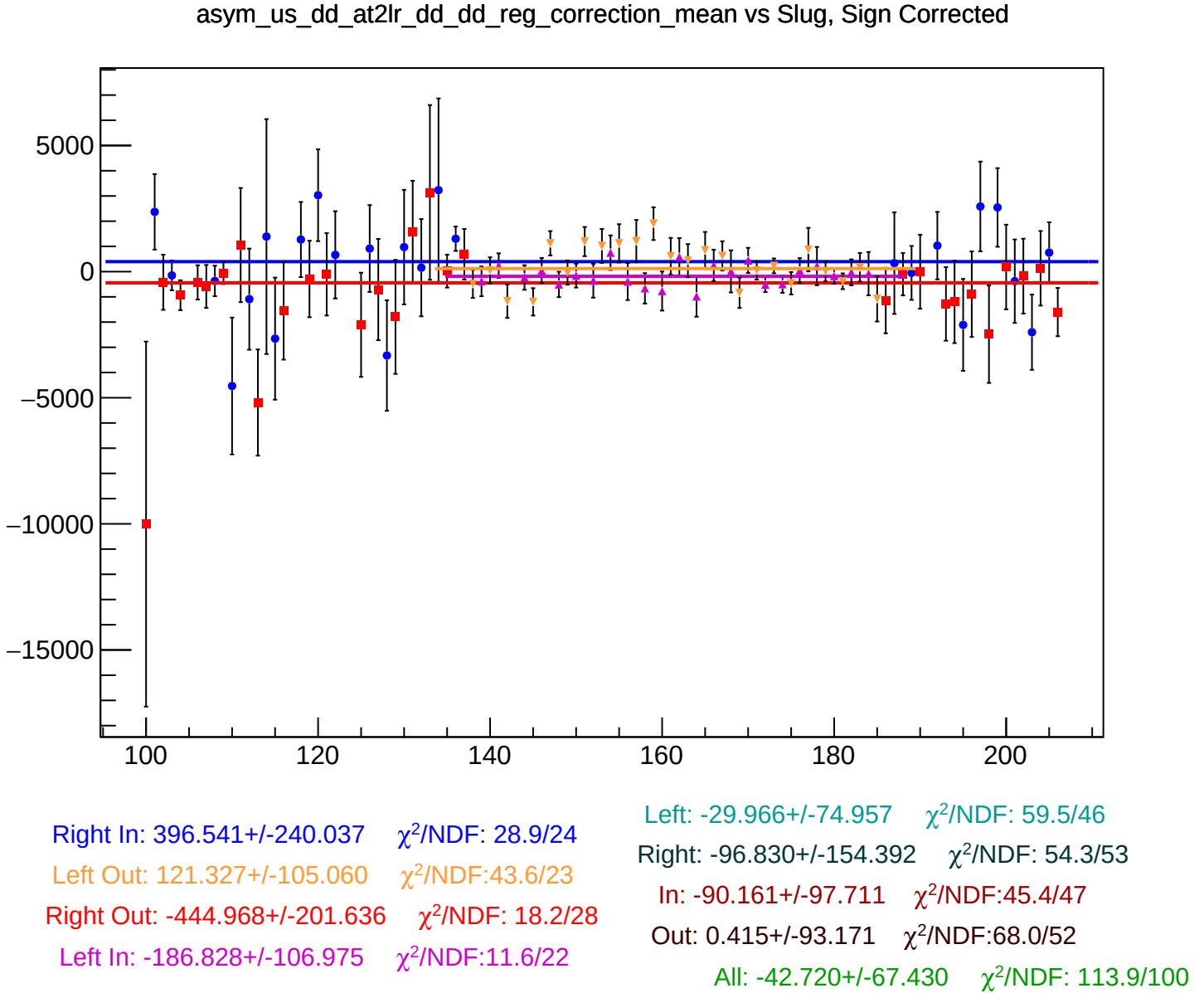
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1499.453+/-0.196 χ^2/NDF: 1310950.9/53

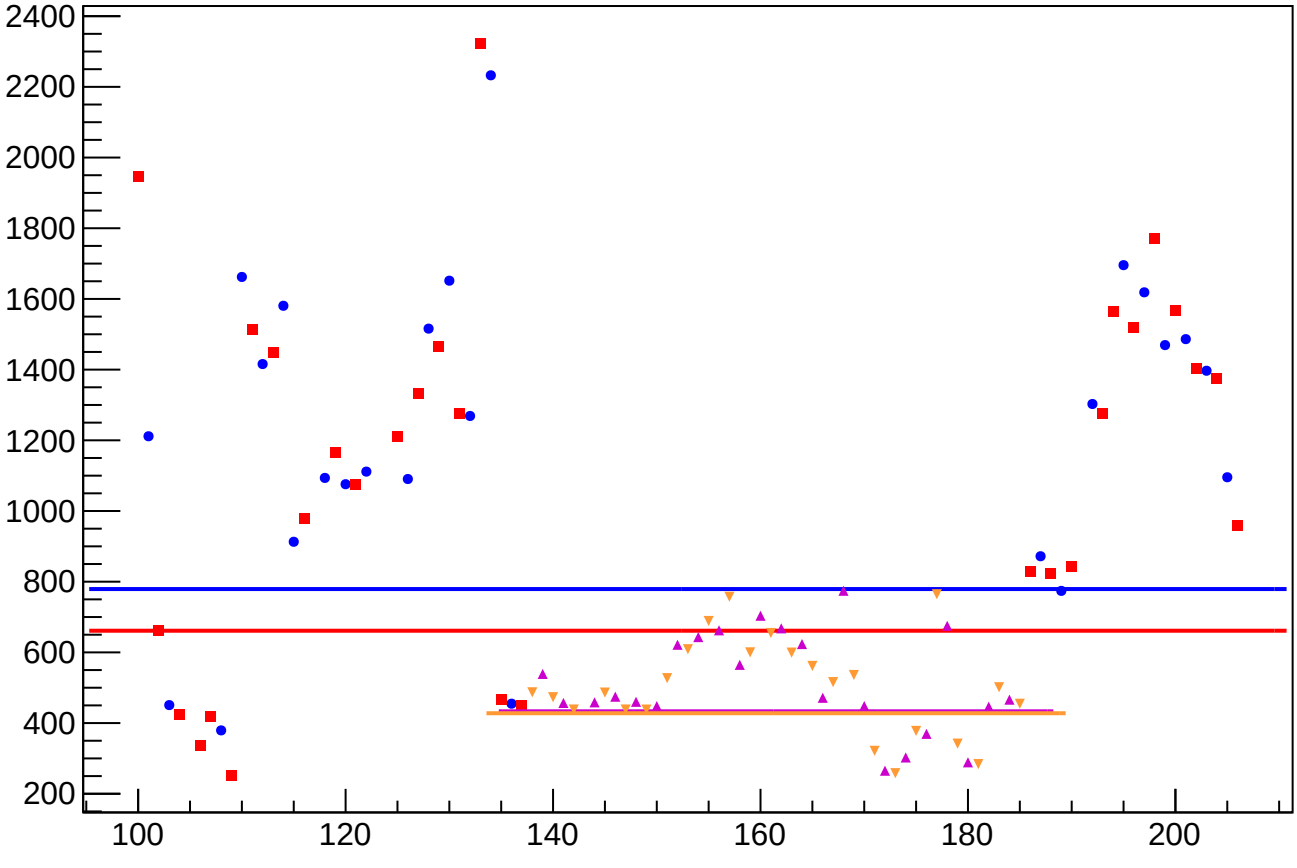
In: 1522.910+/-0.190 χ^2/NDF:885438.9/47

Out: 1513.217+/-0.184 χ^2/NDF:836506.3/52

All: 1517.886+/-0.132 χ^2/NDF: 1723287.4/10


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 396.541+/-240.037 χ²/NDF: 28.9/24
Left Out: 121.327+/-105.060 χ²/NDF:43.6/23
Right Out: -444.968+/-201.636 χ²/NDF: 18.2/28
Left In: -186.828+/-106.975 χ²/NDF:11.6/22
Left: -29.966+/-74.957 χ²/NDF: 59.5/46
Right: -96.830+/-154.392 χ²/NDF: 54.3/53
In: -90.161+/-97.711 χ²/NDF:45.4/47
Out: 0.415+/-93.171 χ²/NDF:68.0/52
All: -42.720+/-67.430 χ²/NDF: 113.9/100

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 779.192+/-0.170 χ^2/NDF: 6800172.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 661.284+/-0.143 χ^2/NDF: 9278854.3/28

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

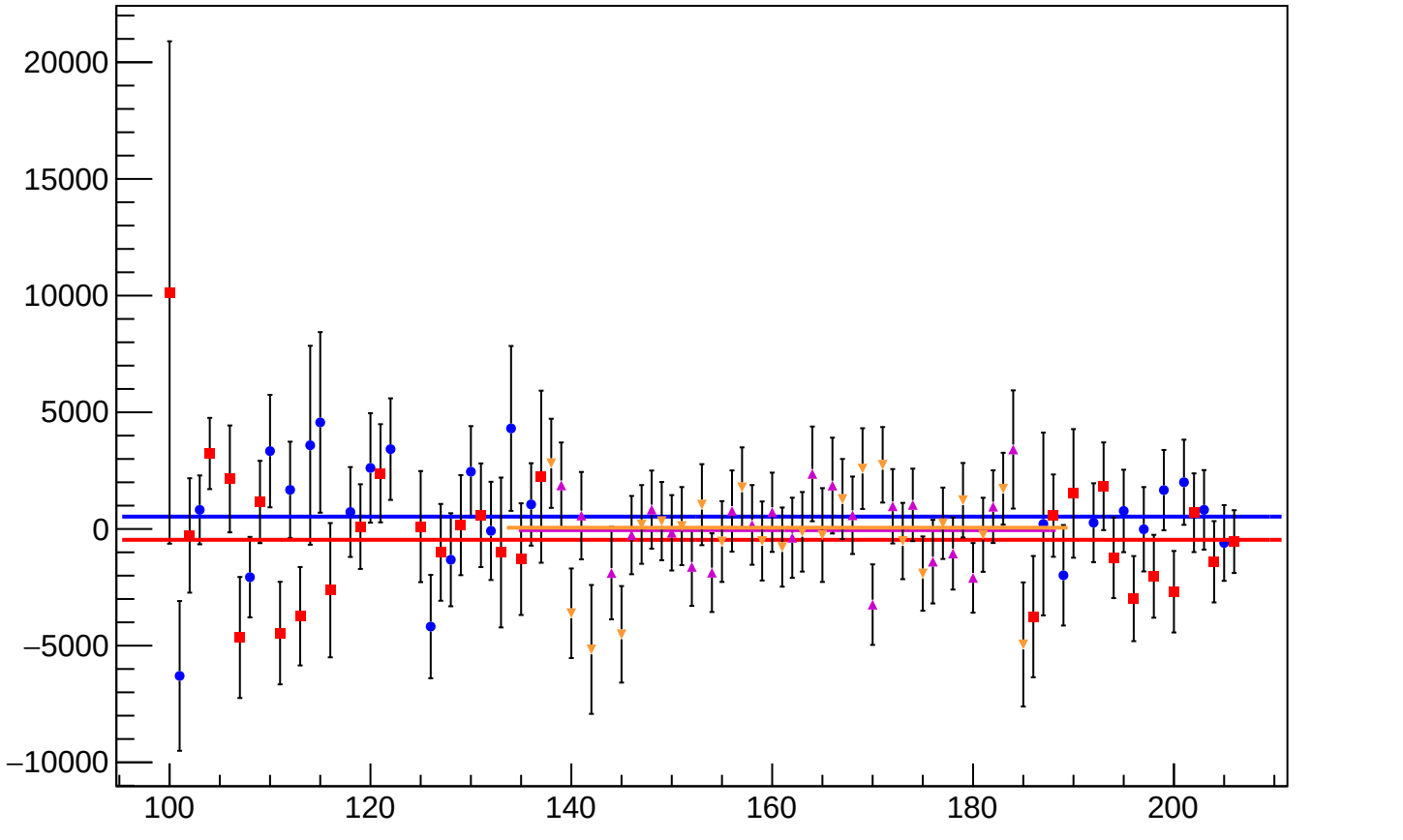
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

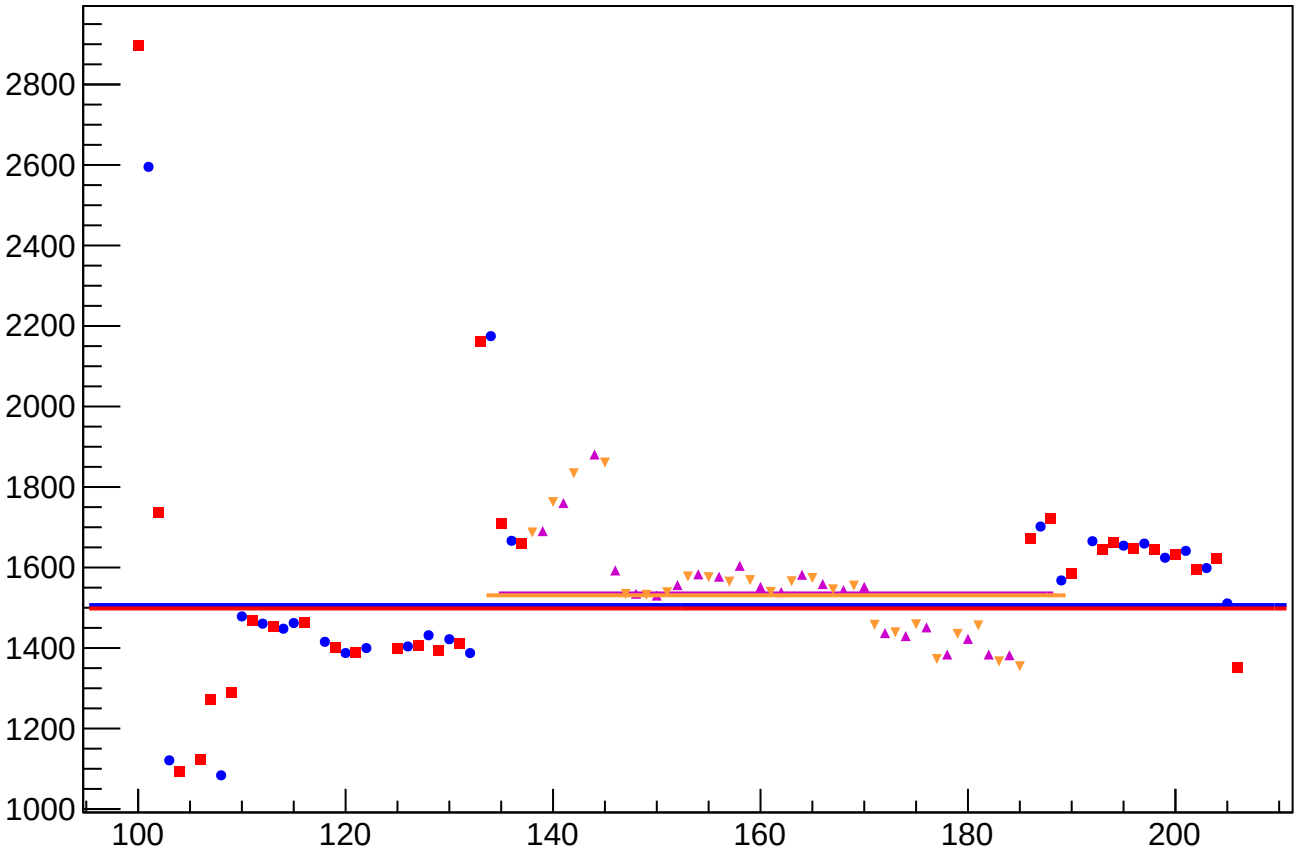
Right: 710.064+/-0.109 χ^2/NDF: 16361954.5/53

In: 490.602+/-0.069 χ^2/NDF:13513283.0/47

Out: 477.664+/-0.066 χ^2/NDF:14575867.0/52

All: 483.825+/-0.048 χ^2/NDF: 28107516.1/10


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 529.142+/-406.619 χ²/NDF: 23.4/24
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -465.000+/-380.104 χ²/NDF: 30.2/28
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -1.397+/-277.675 χ²/NDF: 56.8/53
In: 205.089+/-269.343 χ²/NDF:41.3/47
Out: -188.405+/-259.979 χ²/NDF:59.6/52
All: 1.383+/-187.056 χ²/NDF: 102.1/100



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

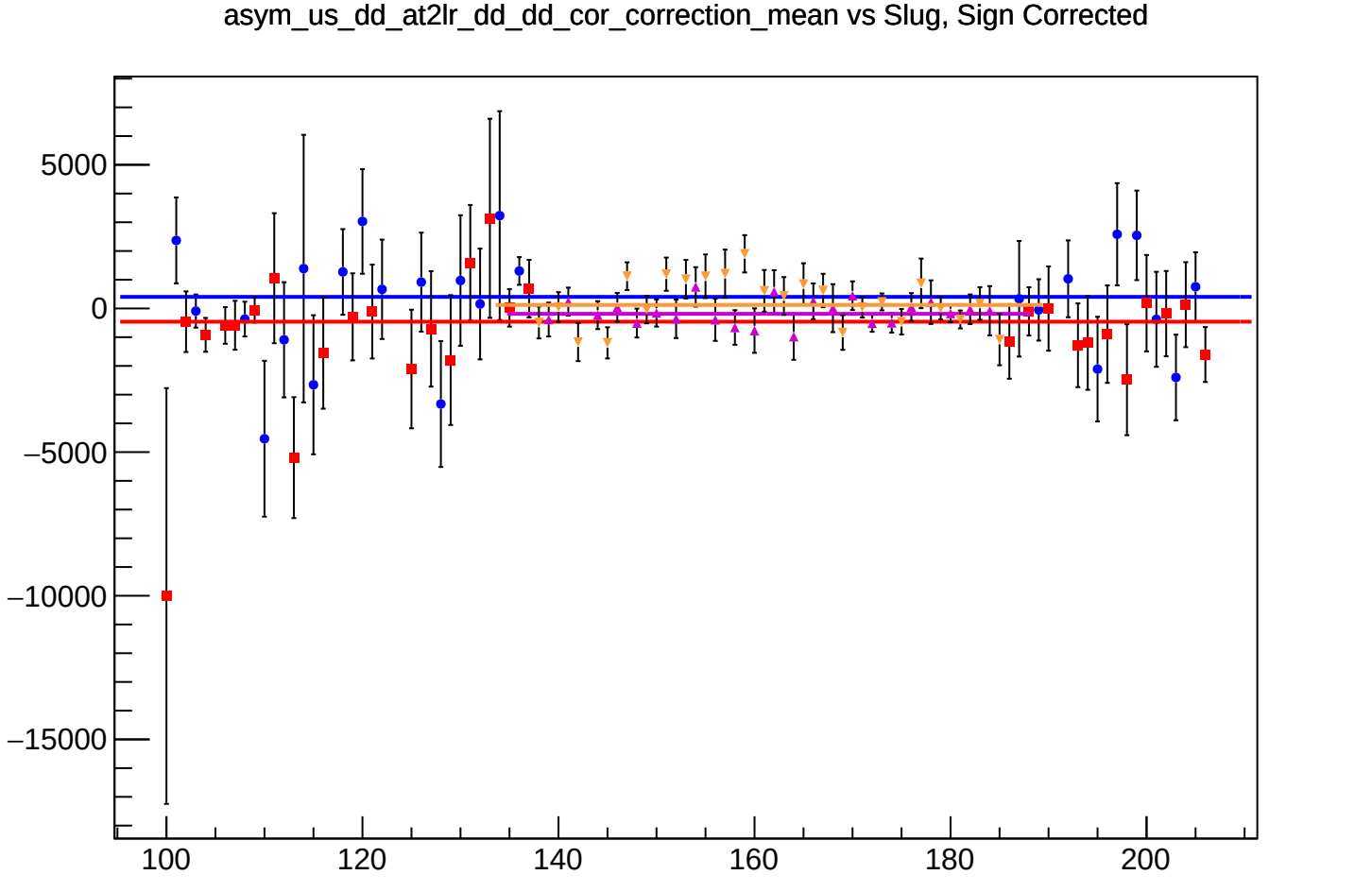
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1502.193+/-0.196 χ^2/NDF: 1262584.2/53

In: 1522.910+/-0.190 χ^2/NDF:885439.2/47

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1519.153+/-0.132 χ^2/NDF: 1672379.0/10



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -461.408+/-200.095 χ^2/NDF: 18.2/28

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

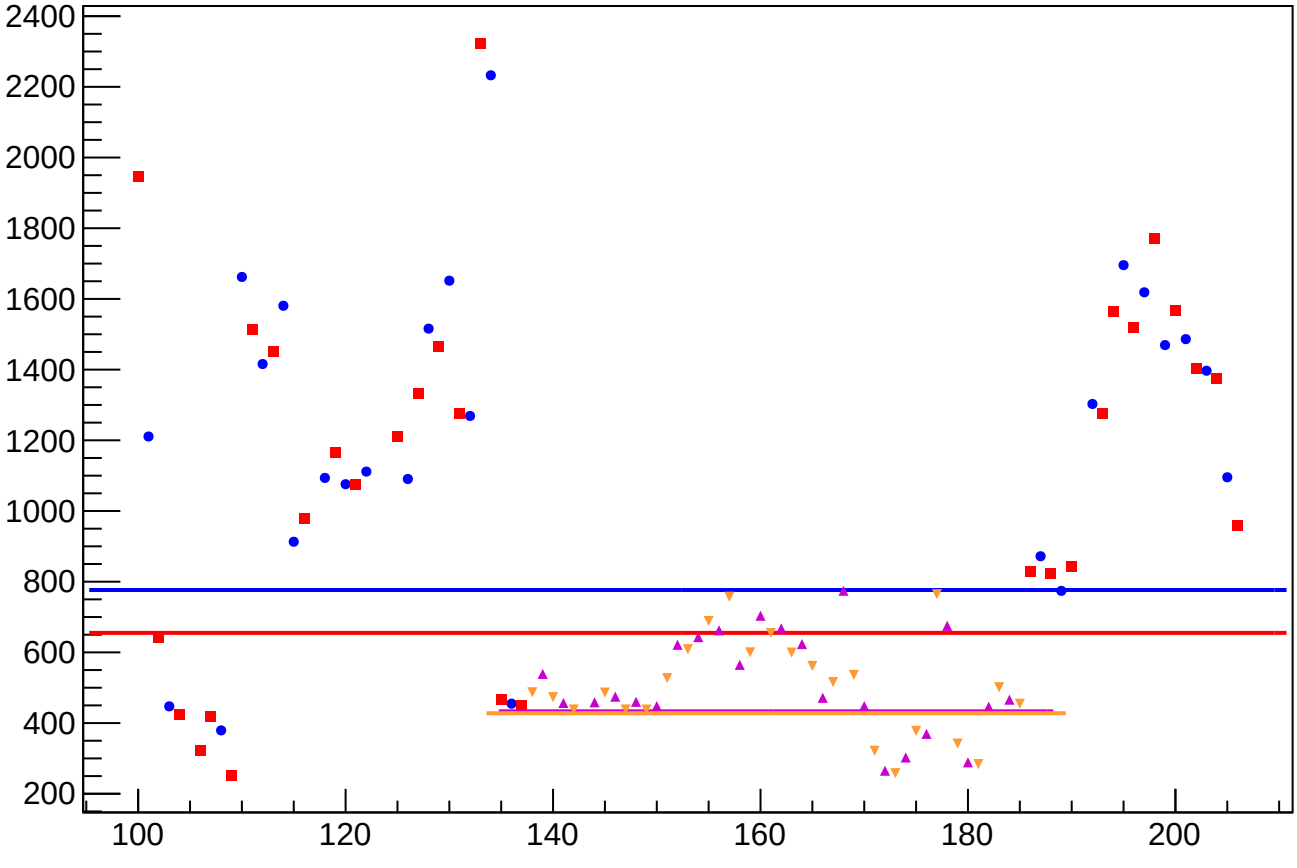
Right: -105.509+/-153.492 χ^2/NDF: 54.6/53

In: -88.677+/-97.658 χ^2/NDF:45.4/47

Out: -4.606+/-93.018 χ^2/NDF:68.5/52

All: -44.597+/-67.354 χ^2/NDF: 114.3/100

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

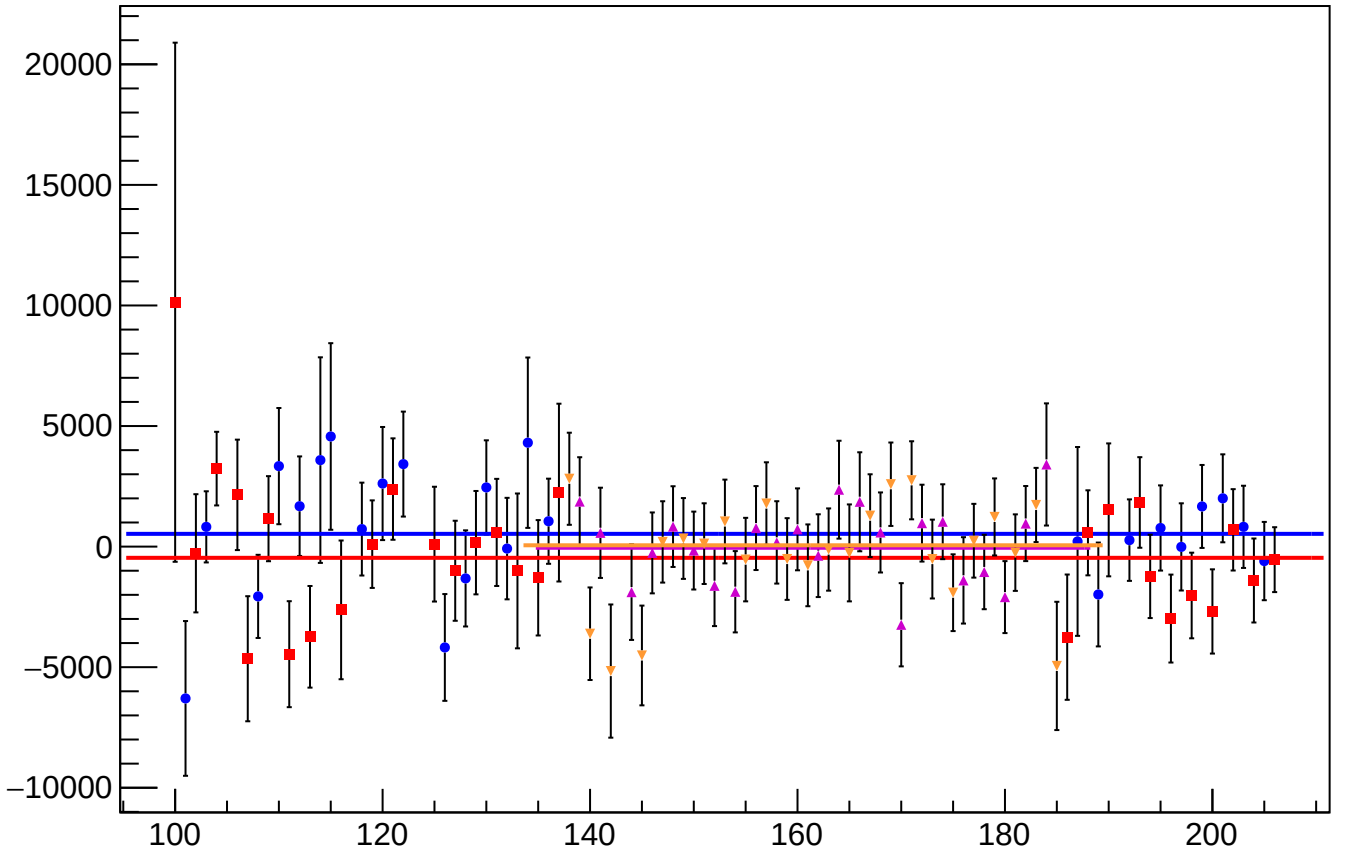
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 705.105+/-0.109 χ^2/NDF: 16524706.4/53

In: 490.458+/-0.069 χ^2/NDF:13514868.8/47

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 483.377+/-0.048 χ^2/NDF: 28132386.6/10



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -465.000+/-380.104 χ^2/NDF: 30.2/28

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

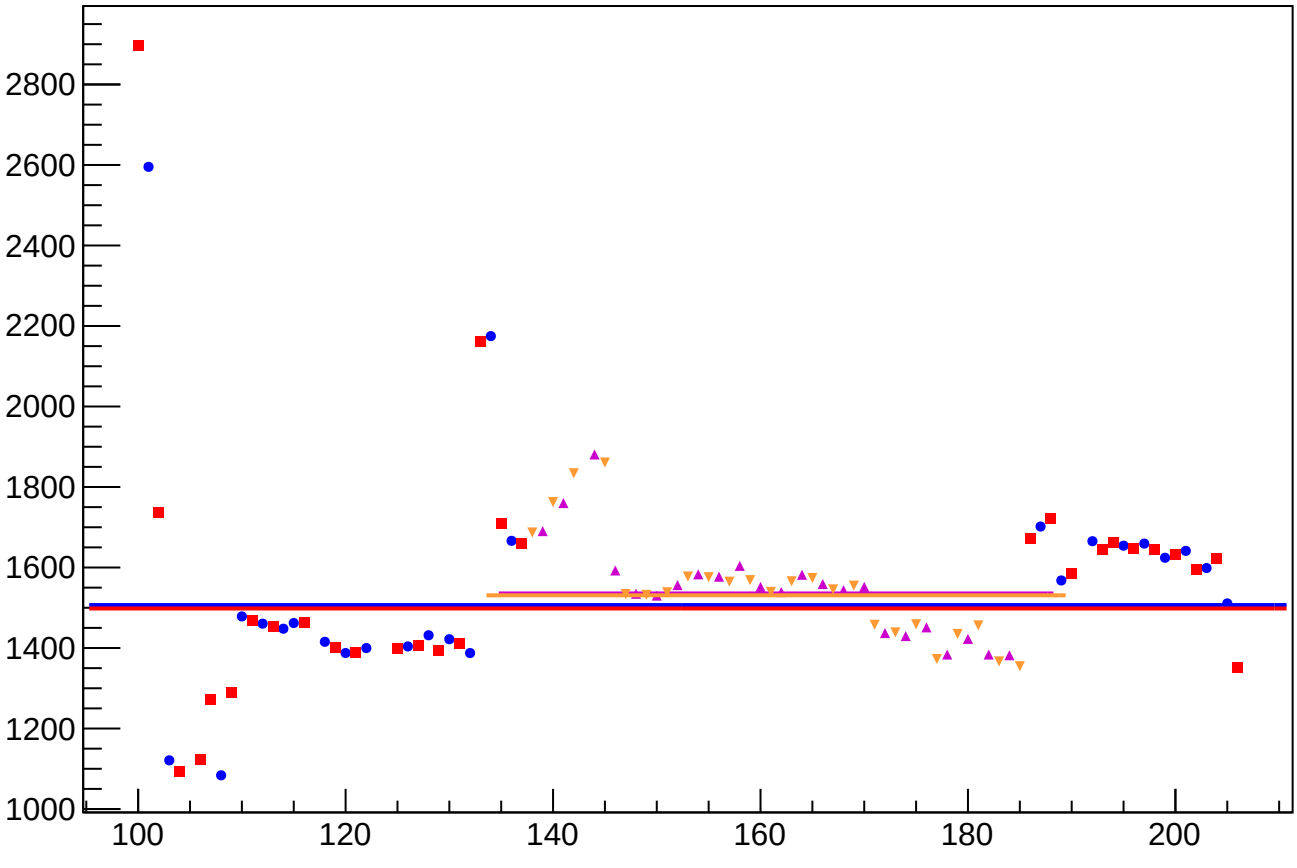
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: -1.397+/-277.675 χ^2/NDF: 56.8/53

In: 205.089+/-269.343 χ^2/NDF:41.3/47

Out: -188.405+/-259.979 χ^2/NDF:59.6/52

All: 1.383+/-187.056 χ^2/NDF: 102.1/100



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

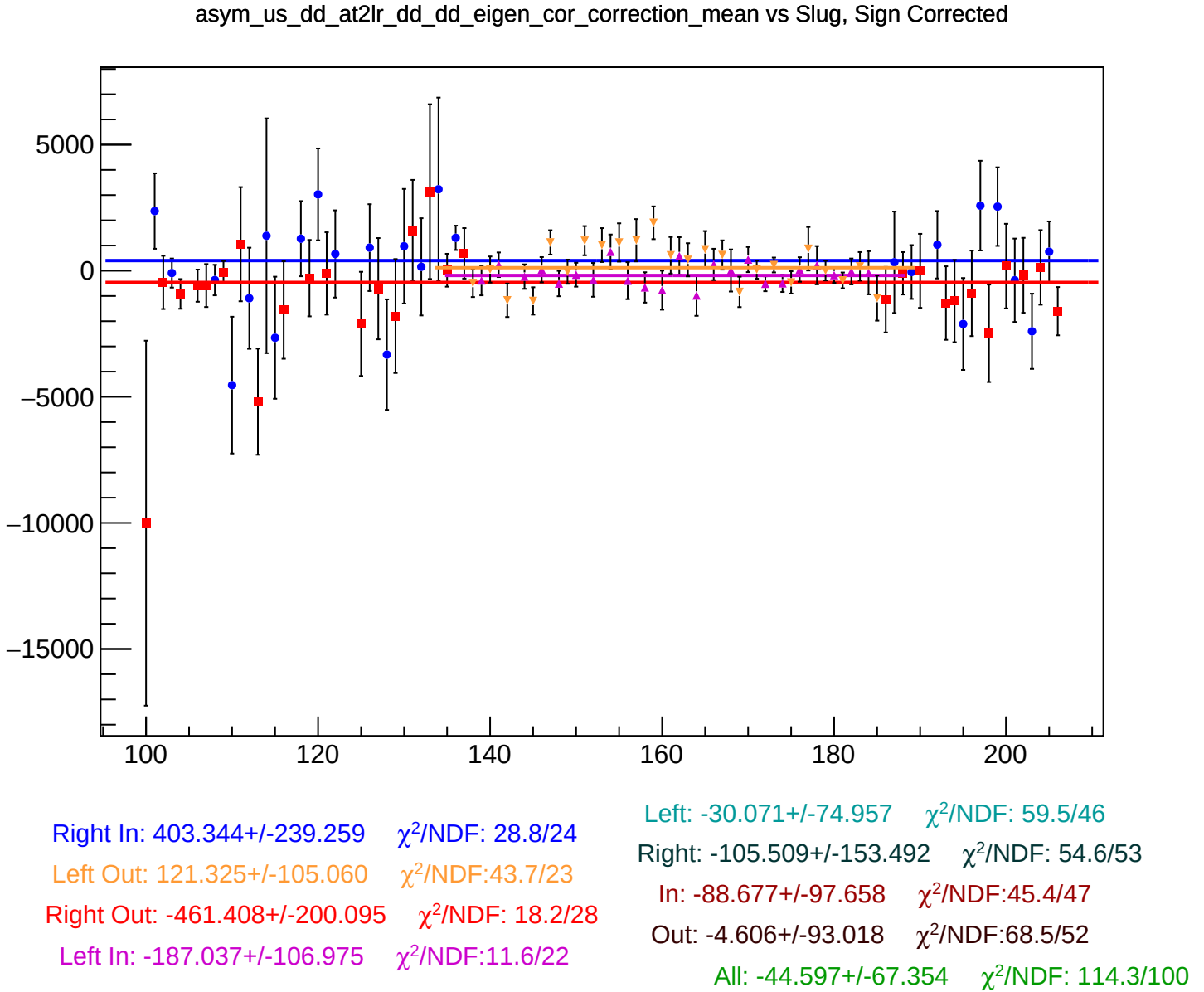
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1502.193+/-0.196 χ^2/NDF: 1262584.2/53

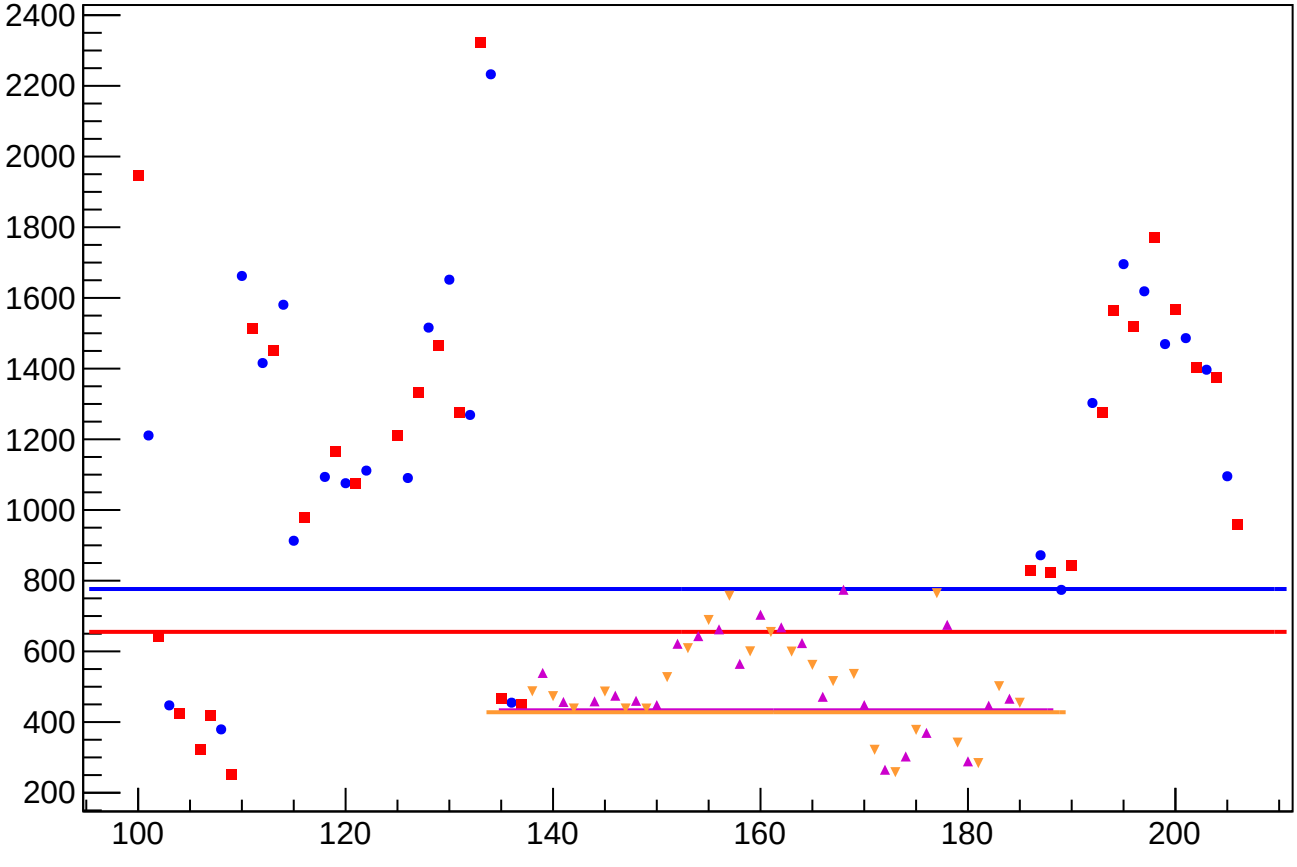
In: 1522.910+/-0.190 χ^2/NDF:885439.2/47

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1519.153+/-0.132 χ^2/NDF: 1672379.0/10


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 403.344+/-239.259 χ²/NDF: 28.8/24
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -461.408+/-200.095 χ²/NDF: 18.2/28
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -105.509+/-153.492 χ²/NDF: 54.6/53
In: -88.677+/-97.658 χ²/NDF:45.4/47
Out: -4.606+/-93.018 χ²/NDF:68.5/52
All: -44.597+/-67.354 χ²/NDF: 114.3/100

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

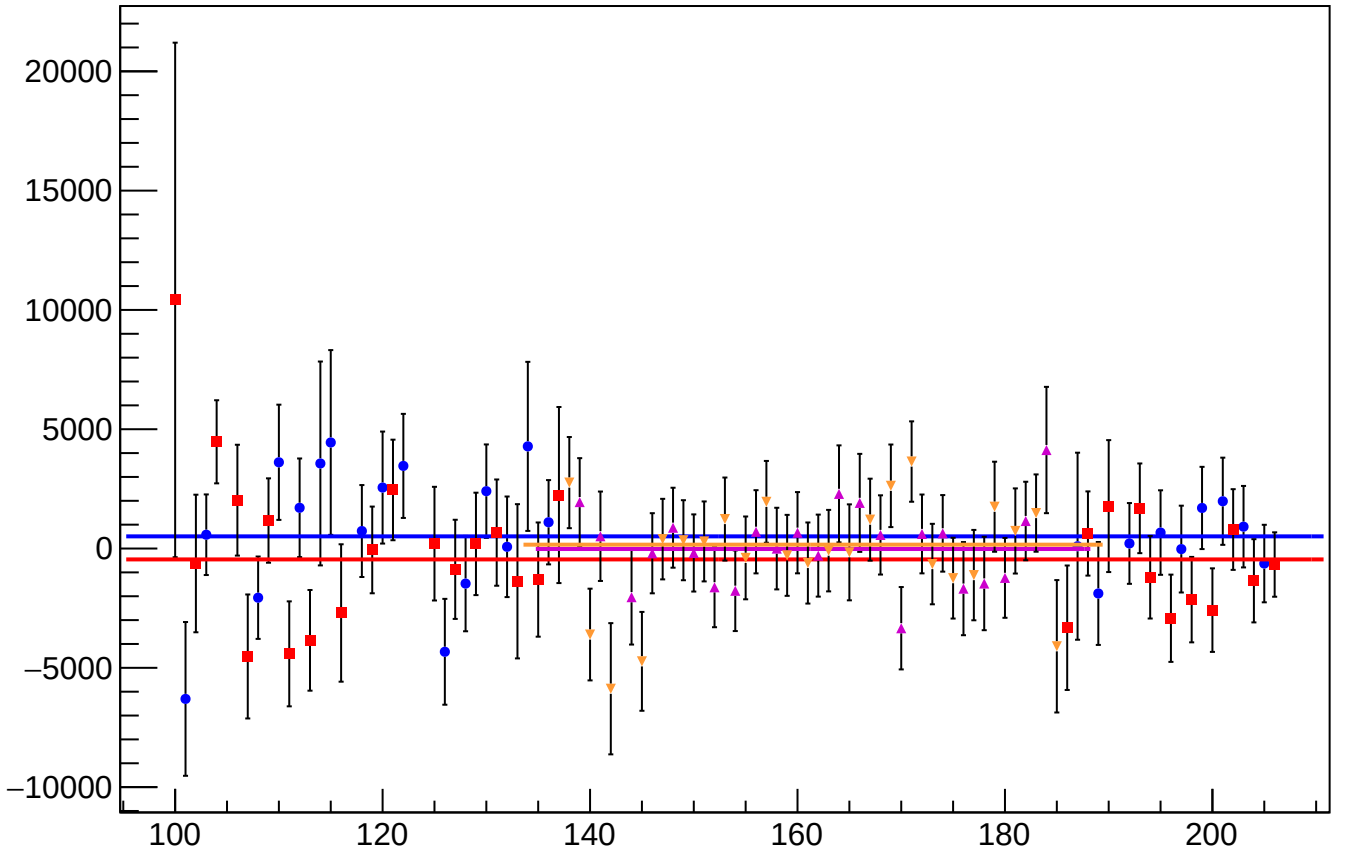
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 705.105+/-0.109 χ^2/NDF: 16524706.4/53

In: 490.458+/-0.069 χ^2/NDF:13514868.8/47

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 483.377+/-0.048 χ^2/NDF: 28132386.6/10



Right In: 509.953+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -456.314+/-385.101 χ^2/NDF: 31.8/28

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

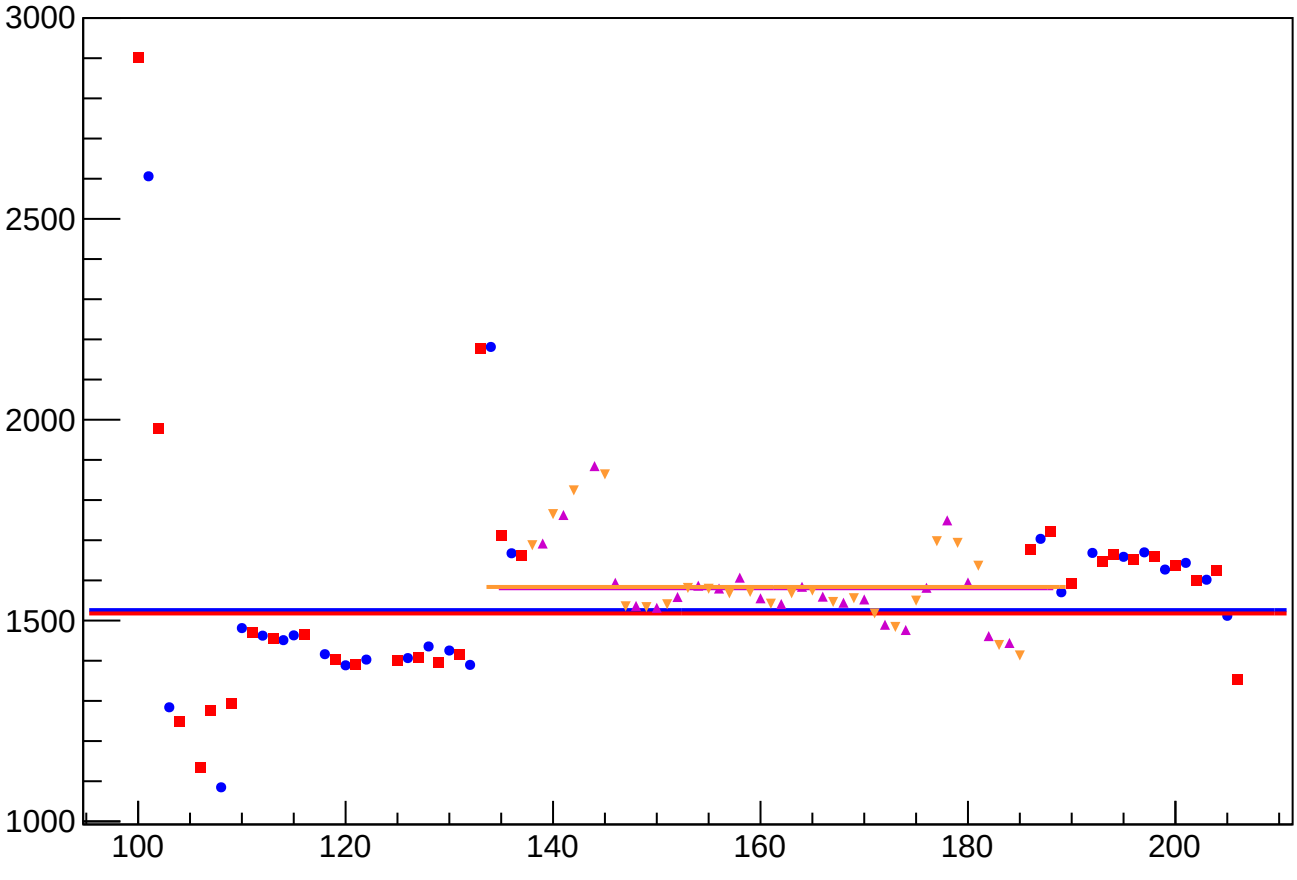
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -4.646+/-281.035 χ^2/NDF: 58.6/53

In: 216.903+/-274.912 χ^2/NDF:40.7/47

Out: -133.644+/-266.194 χ^2/NDF:63.1/52

All: 35.983+/-191.235 χ^2/NDF: 104.6/100



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.8/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.9/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

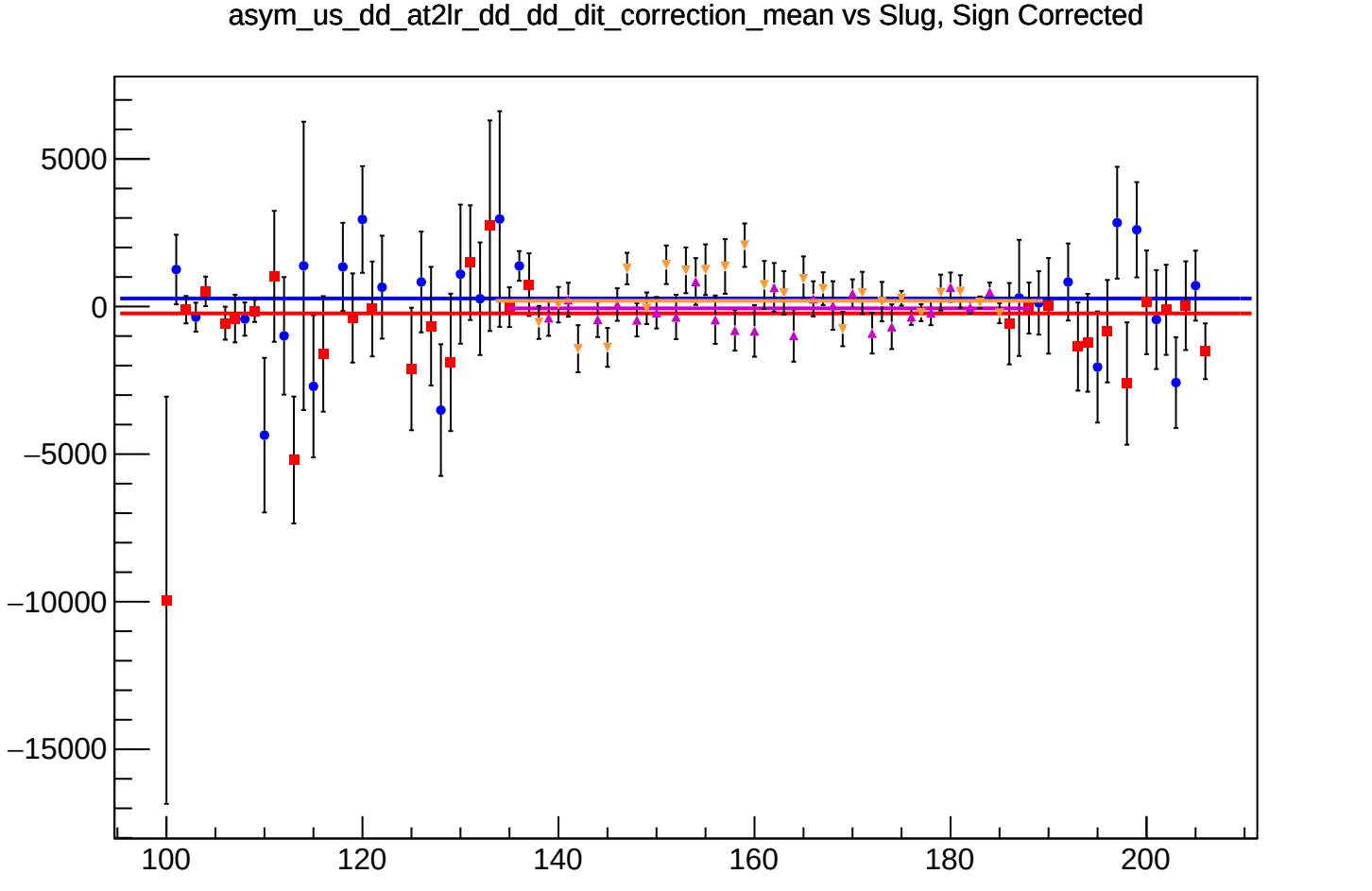
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1521.569+/-0.199 χ^2/NDF: 1096068.6/53

In: 1556.107+/-0.194 χ^2/NDF:731718.2/47

Out: 1552.138+/-0.188 χ^2/NDF:673318.7/52

All: 1554.059+/-0.135 χ^2/NDF: 1405252.0/10



Right In: 273.622+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -232.826+/-176.788 χ^2/NDF: 19.1/28

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

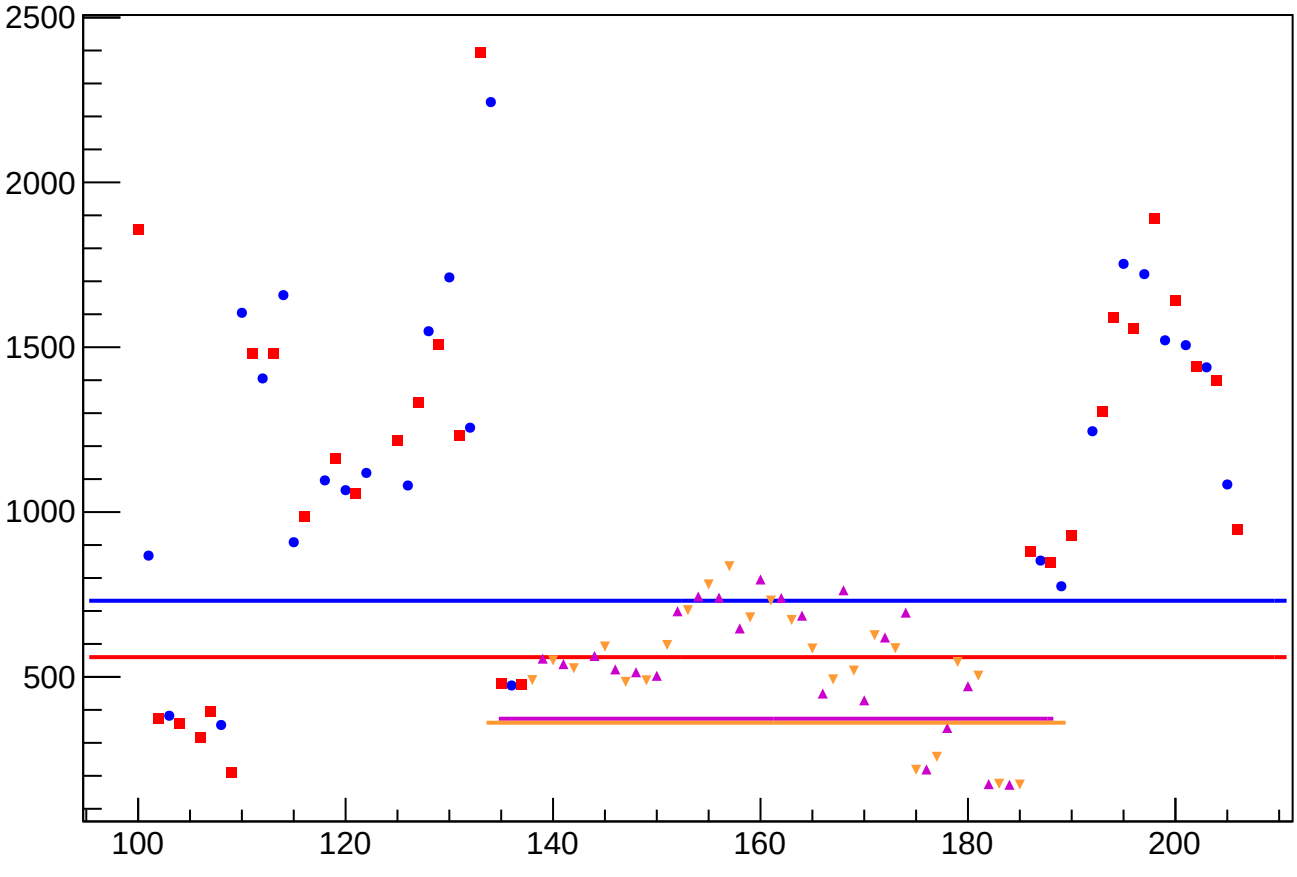
Right: -44.879+/-140.198 χ^2/NDF: 51.8/53

In: -9.103+/-91.497 χ^2/NDF:48.4/47

Out: 96.433+/-84.292 χ^2/NDF:63.7/52

All: 47.983+/-61.994 χ^2/NDF: 112.8/100

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 731.011+/-0.163 χ^2/NDF: 7432287.4/24

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 559.979+/-0.125 χ^2/NDF: 11410748.0/28

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

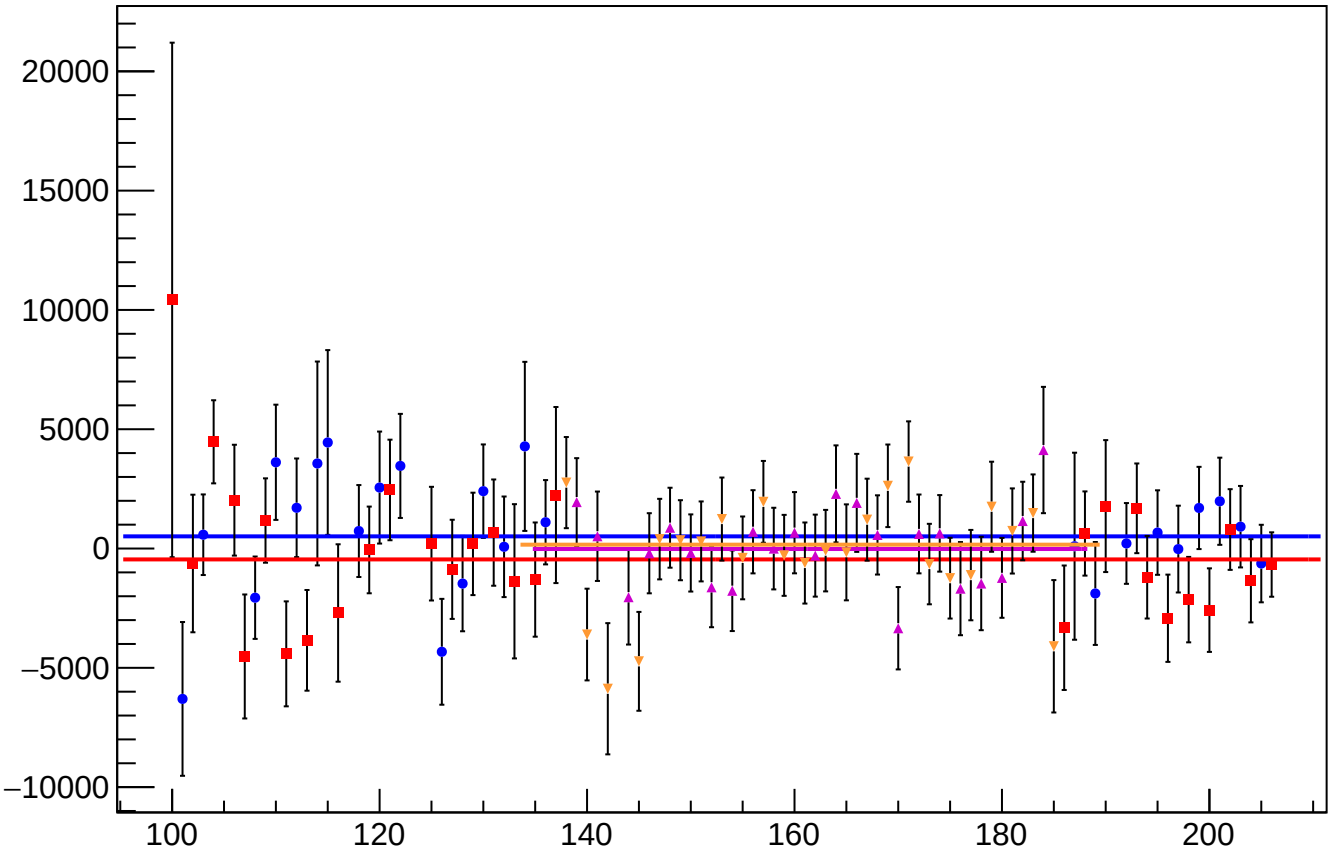
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 623.451+/-0.099 χ^2/NDF: 19537708.1/53

In: 429.707+/-0.065 χ^2/NDF:19711396.7/47

Out: 406.312+/-0.060 χ^2/NDF:21549545.8/52

All: 417.052+/-0.044 χ^2/NDF: 41331673.4/10



Right In: 509.954+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -456.312+/-385.101 χ^2/NDF: 31.8/28

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

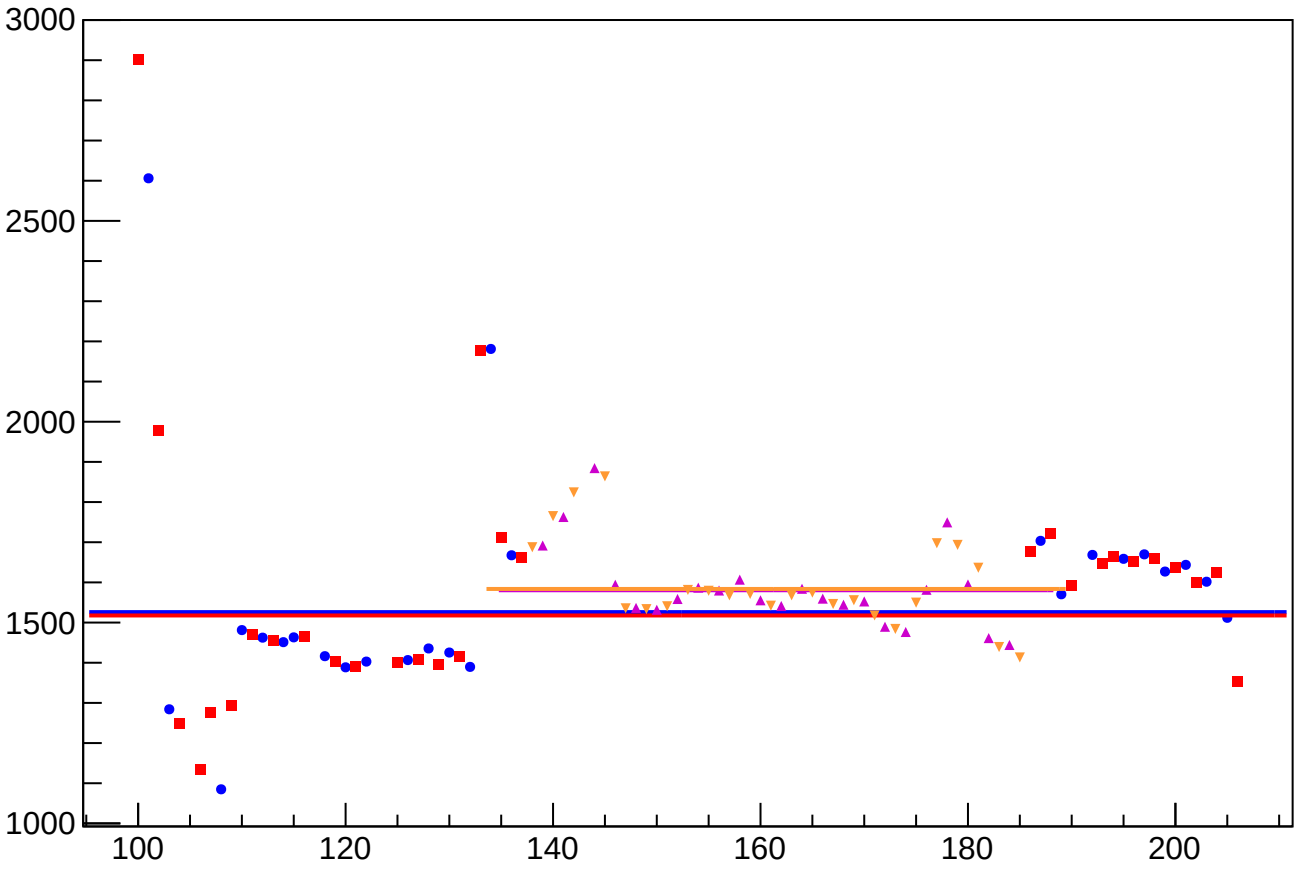
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: -4.645+/-281.035 χ^2/NDF: 58.6/53

In: 216.904+/-274.912 χ^2/NDF:40.7/47

Out: -133.645+/-266.194 χ^2/NDF:63.1/52

All: 35.983+/-191.235 χ^2/NDF: 104.6/100



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.2/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.8/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

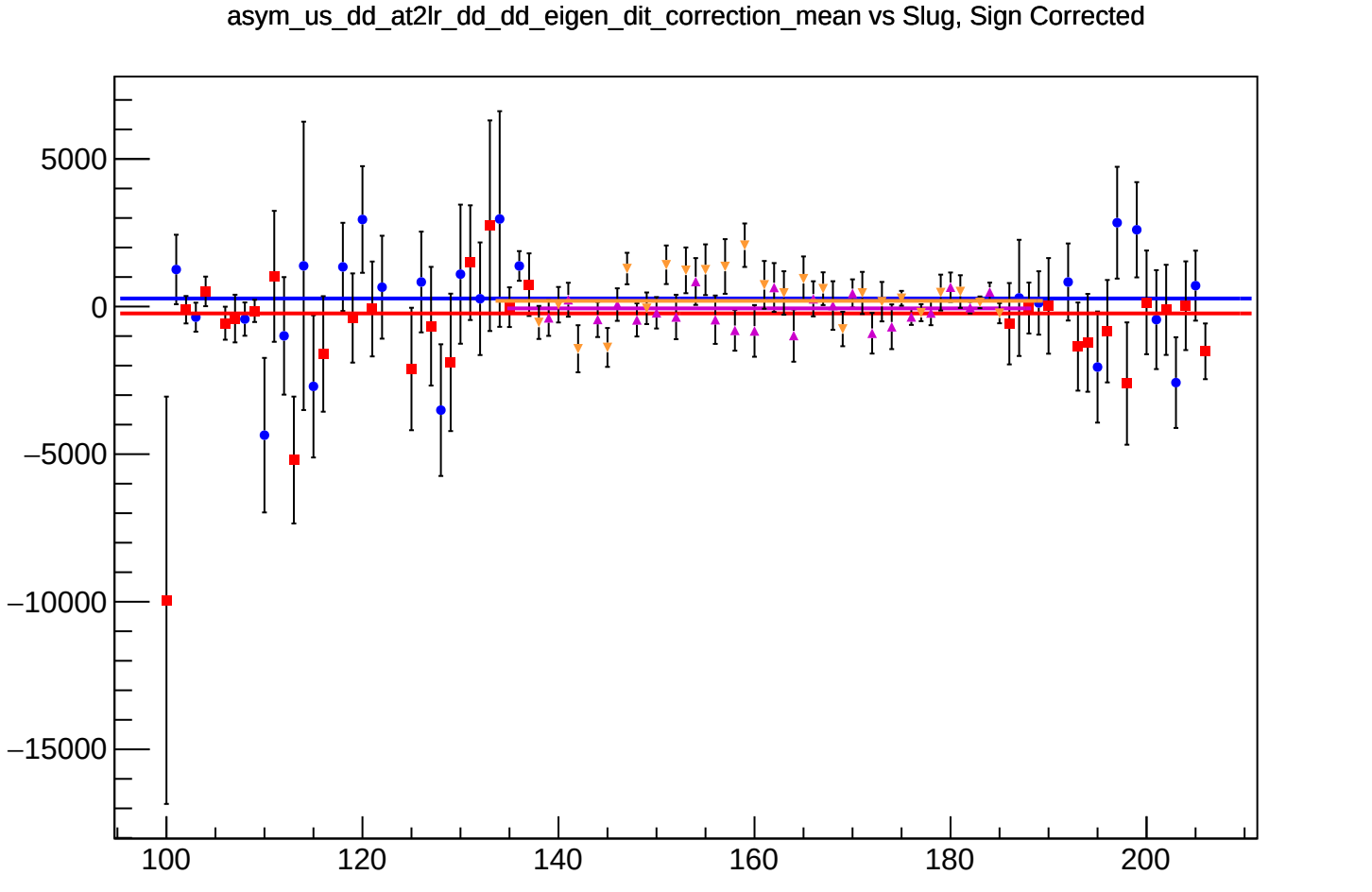
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1521.569+/-0.199 χ^2/NDF: 1096068.0/53

In: 1556.107+/-0.194 χ^2/NDF:731717.5/47

Out: 1552.138+/-0.188 χ^2/NDF:673318.6/52

All: 1554.058+/-0.135 χ^2/NDF: 1405251.2/10



Right In: 273.616+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -232.825+/-176.789 χ^2/NDF: 19.1/28

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

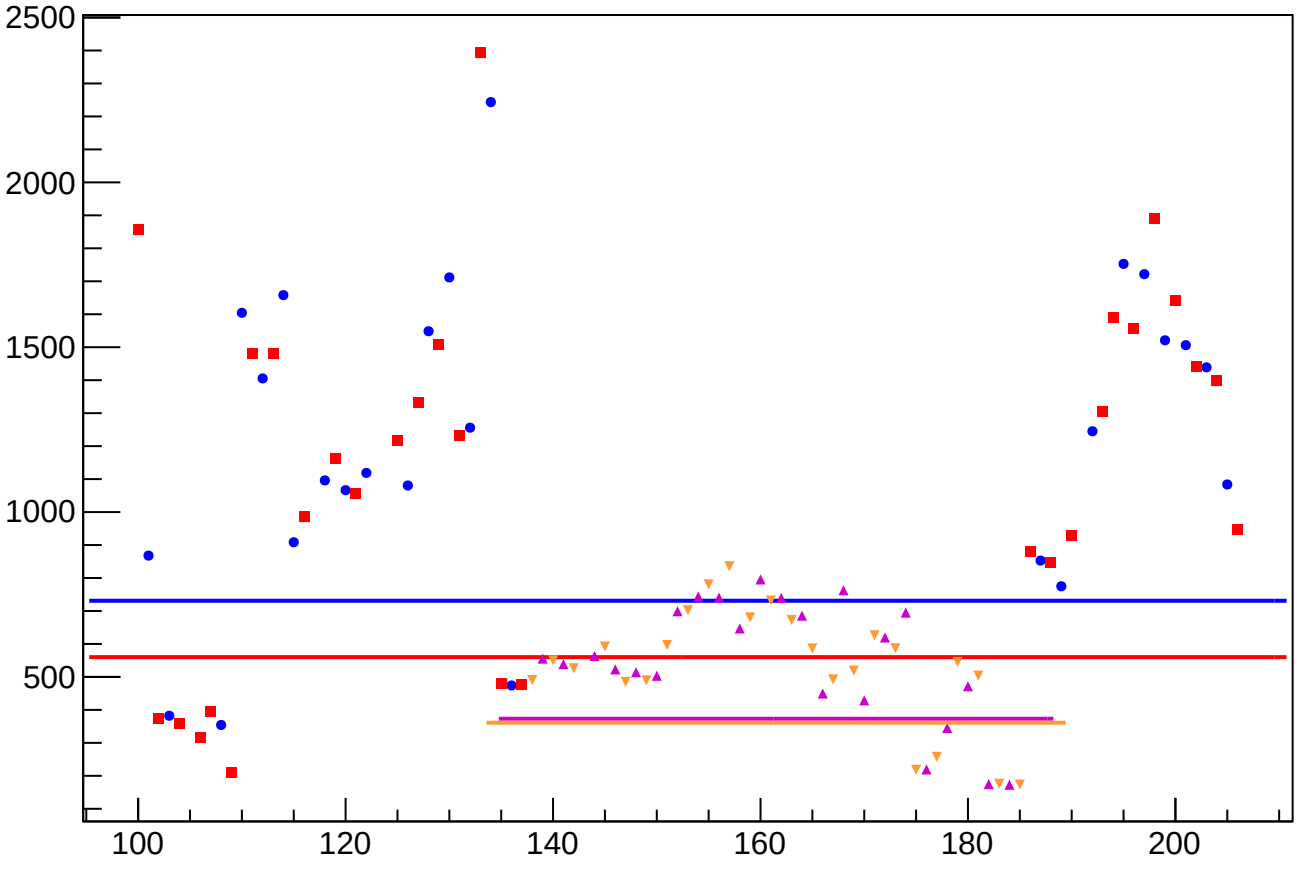
Right: -44.878+/-140.198 χ^2/NDF: 51.8/53

In: -9.102+/-91.498 χ^2/NDF:48.4/47

Out: 96.437+/-84.292 χ^2/NDF:63.7/52

All: 47.986+/-61.995 χ^2/NDF: 112.8/100

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 731.009+/-0.163 χ^2/NDF: 7432323.1/24

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 559.986+/-0.125 χ^2/NDF: 11410579.2/28

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

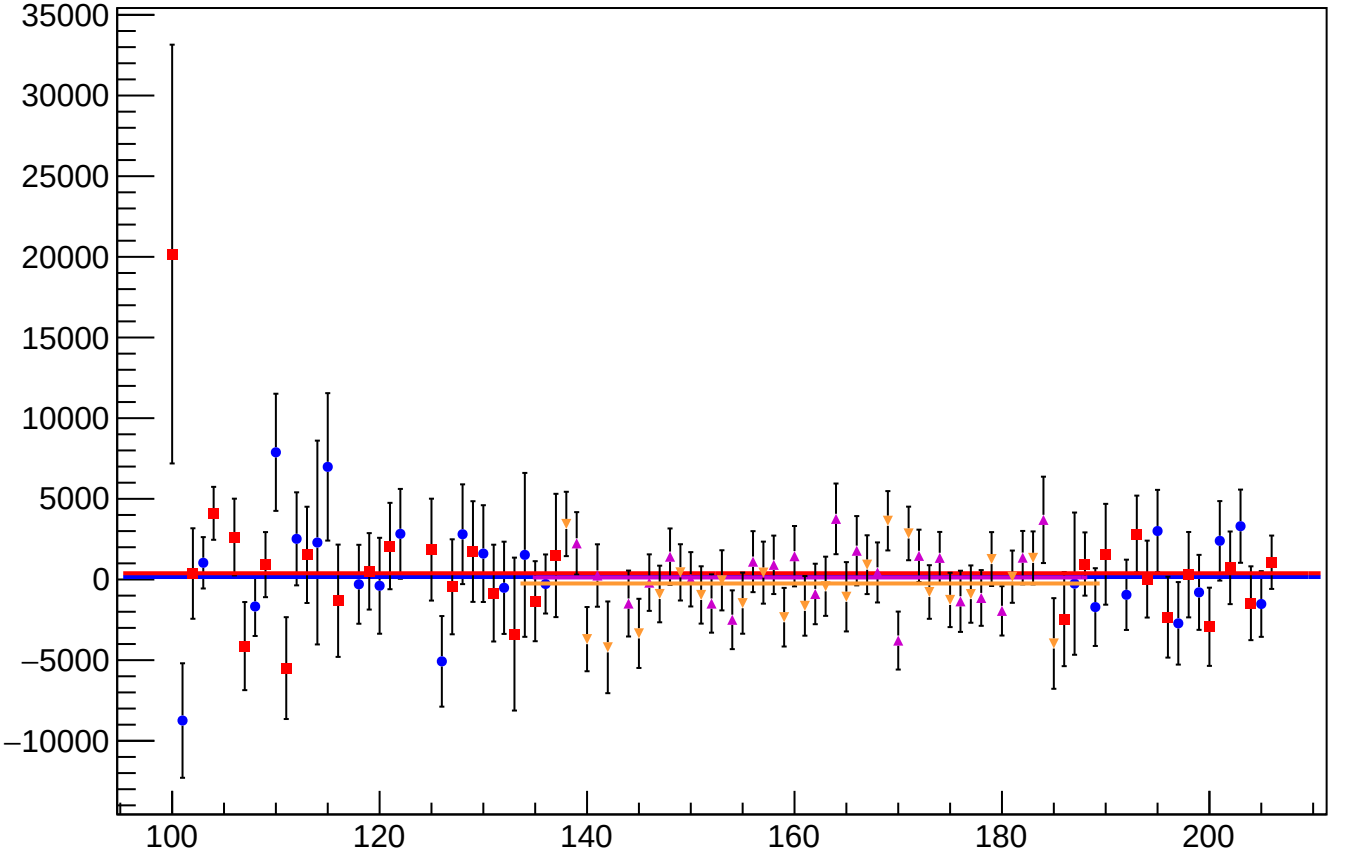
Right: 623.455+/-0.099 χ^2/NDF: 19537504.2/53

In: 429.712+/-0.065 χ^2/NDF:19711036.7/47

Out: 406.316+/-0.060 χ^2/NDF:21549251.7/52

All: 417.057+/-0.044 χ^2/NDF: 41331020.5/10

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 153.802+/-514.405 χ^2/NDF: 27.7/24

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 387.337+/-474.700 χ^2/NDF: 23.4/28

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

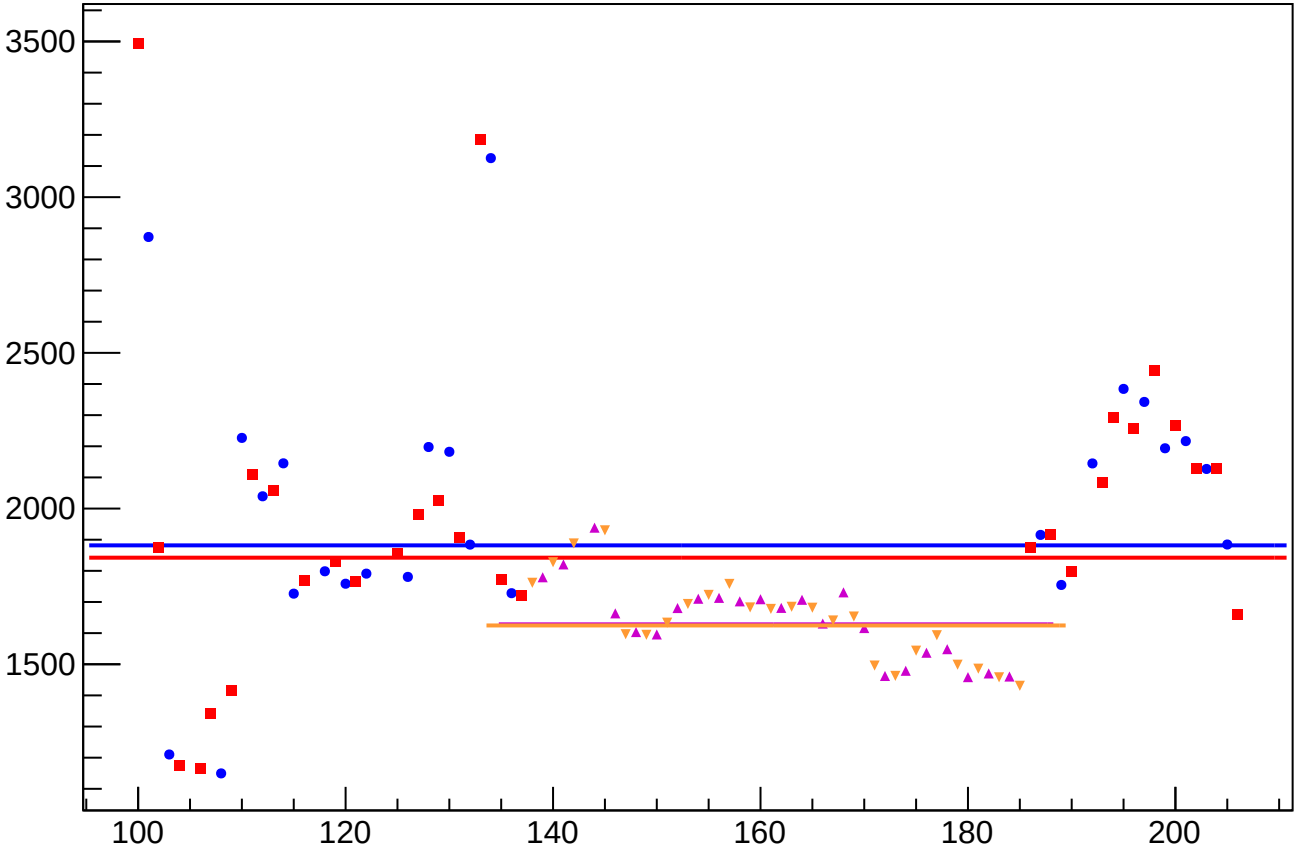
Right: 279.929+/-348.857 χ^2/NDF: 51.2/53

In: 135.932+/-306.325 χ^2/NDF:48.9/47

Out: -0.744+/-295.810 χ^2/NDF:50.5/52

All: 65.208+/-212.789 χ^2/NDF: 99.6/100

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1881.818+/-0.364 χ^2/NDF: 1320930.7/24

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1842.264+/-0.336 χ^2/NDF: 1288150.6/28

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

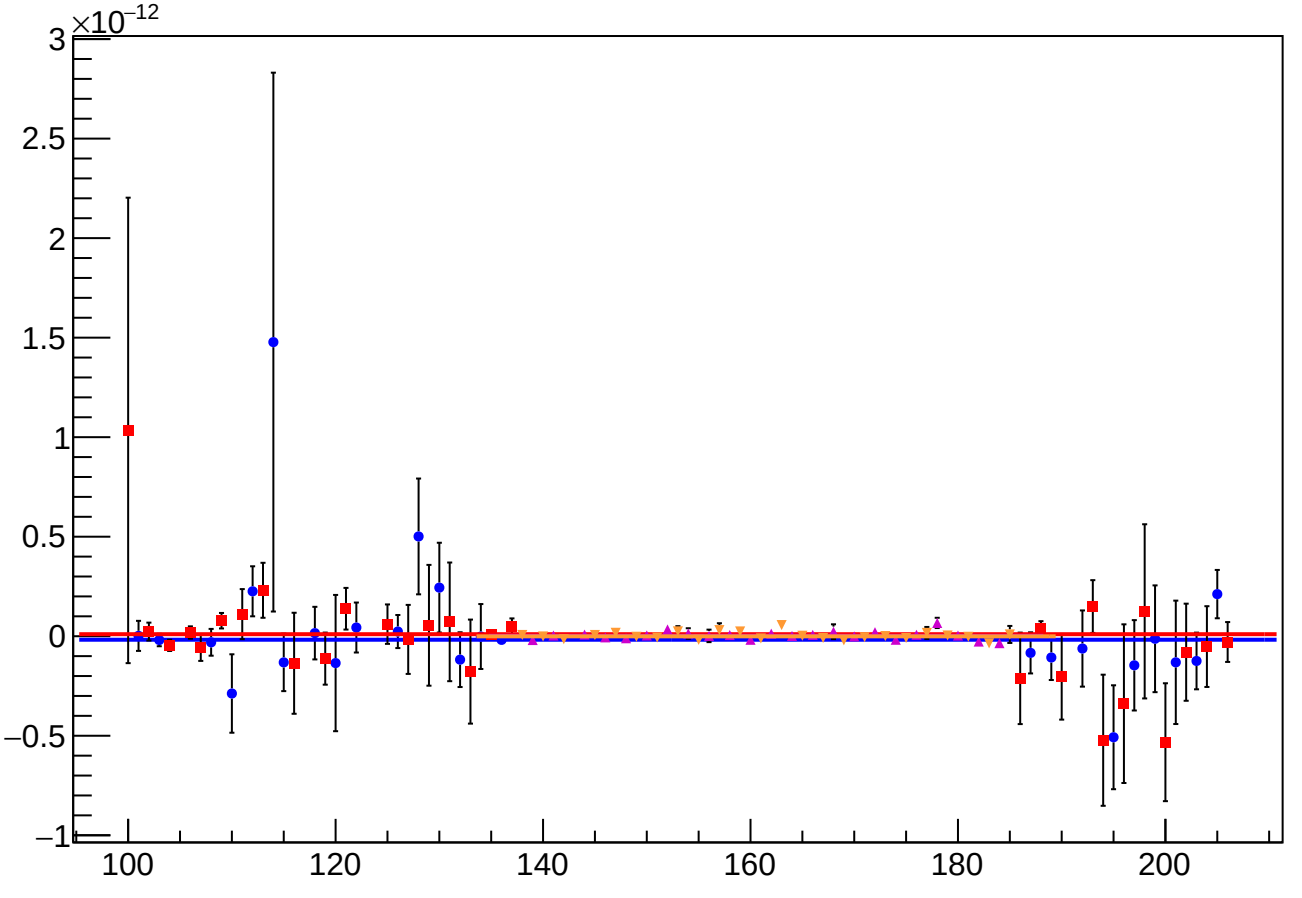
Right: 1860.456+/-0.247 χ^2/NDF: 2615467.6/53

In: 1718.150+/-0.217 χ^2/NDF:1839520.4/47

Out: 1709.132+/-0.209 χ^2/NDF:1752586.7/52

All: 1713.483+/-0.150 χ^2/NDF: 3593004.1/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/28

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

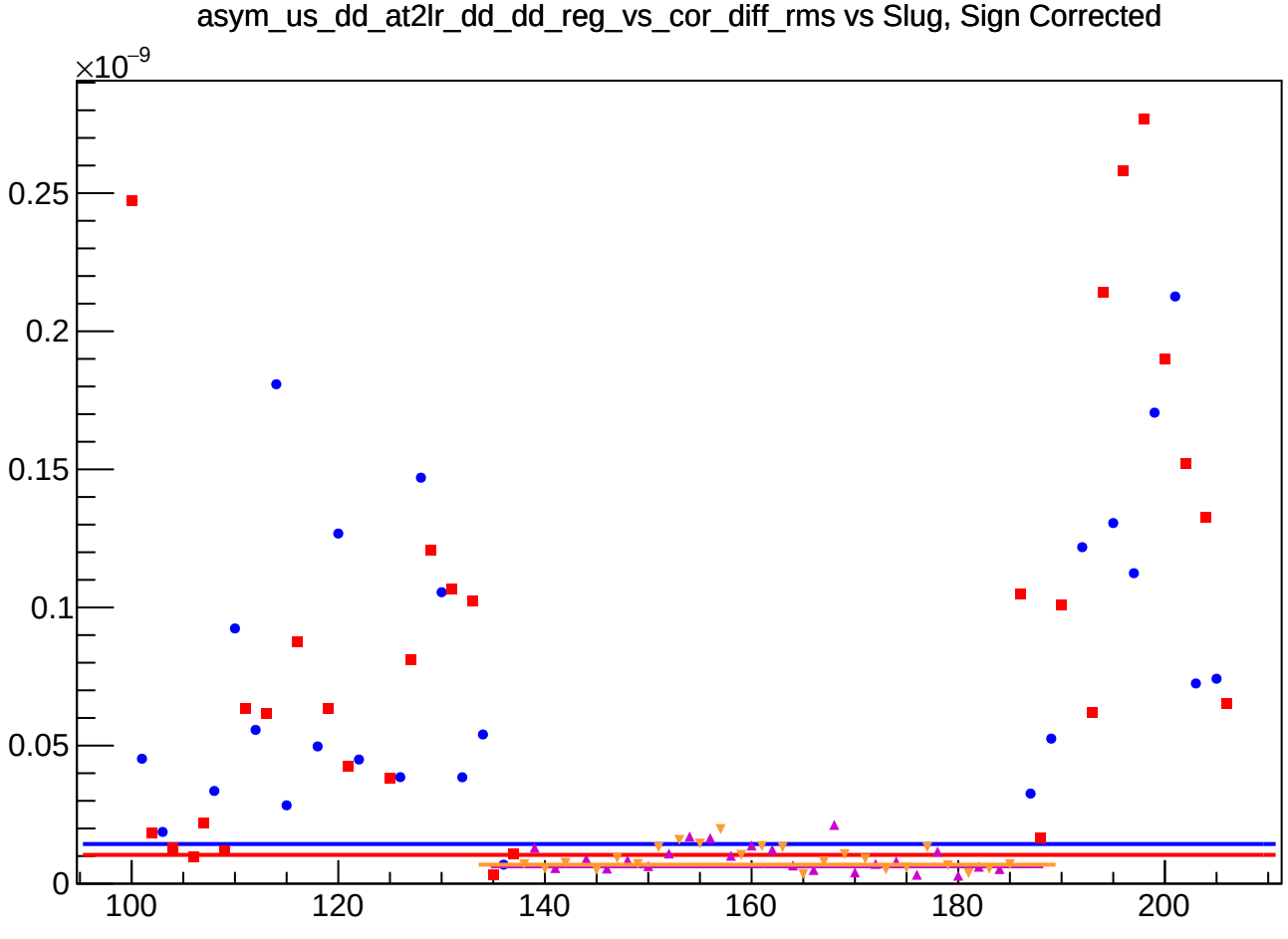
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.2/53

In: 0.000+/-0.000 χ^2/NDF:50.2/47

Out: 0.000+/-0.000 χ^2/NDF:51.3/52

All: 0.000+/-0.000 χ^2/NDF: 101.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 7536669.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9695829.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

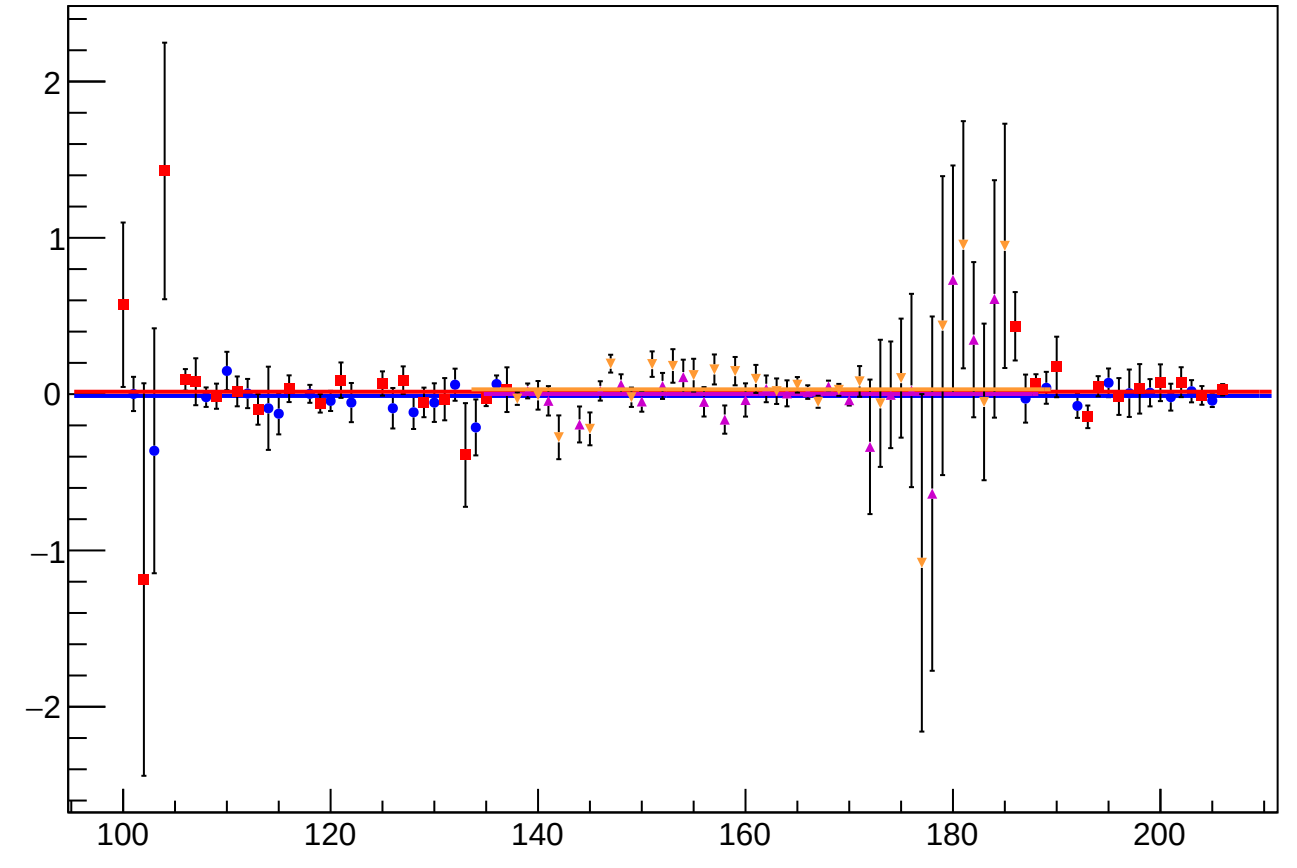
Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

Right: 0.000+/-0.000 χ^2/NDF: 17413215.0/53

In: 0.000+/-0.000 χ^2/NDF:11623245.5/47

Out: 0.000+/-0.000 χ^2/NDF:12270653.3/52

All: 0.000+/-0.000 χ^2/NDF: 23917809.9/100



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

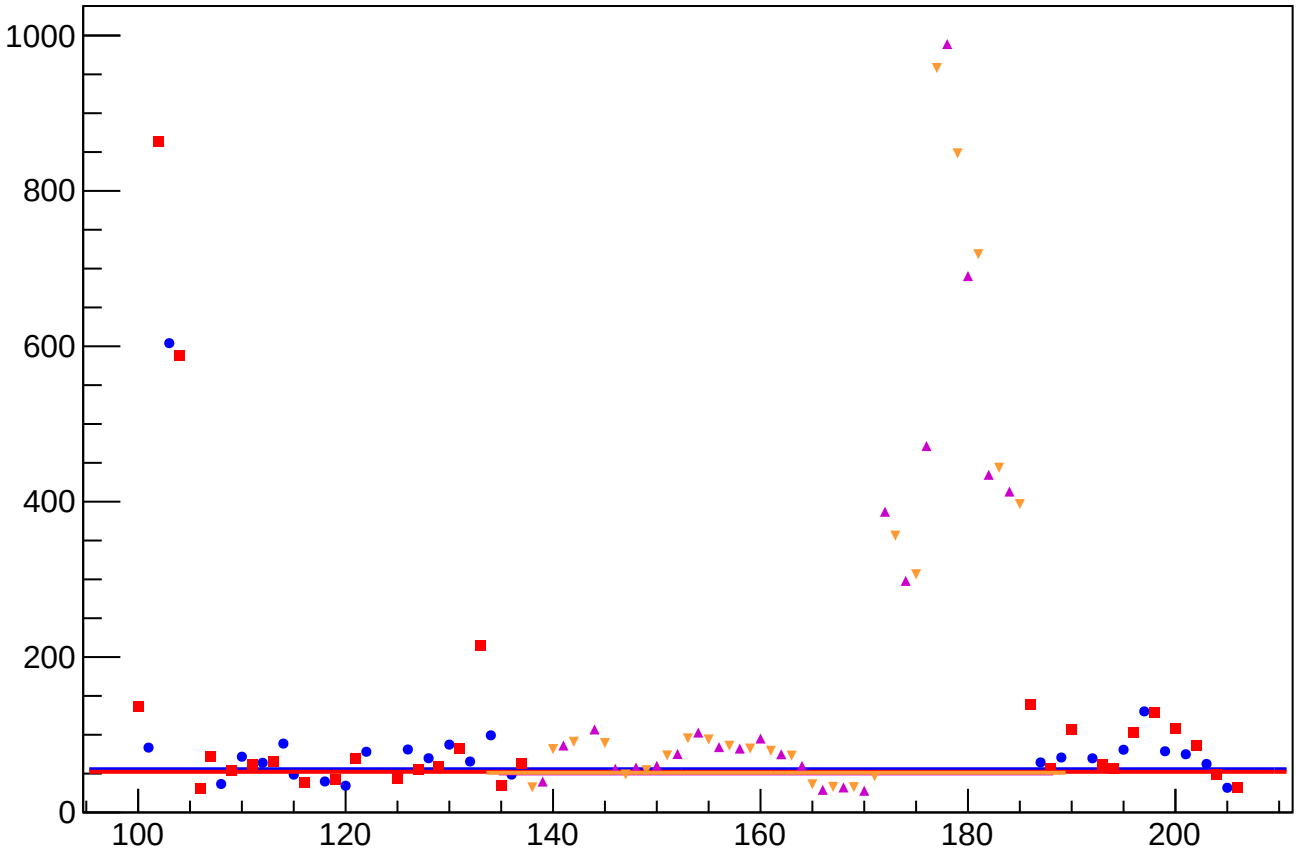
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.003+/-0.012 χ^2/NDF: 37.4/53

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.010+/-0.008 χ^2/NDF: 97.4/100



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

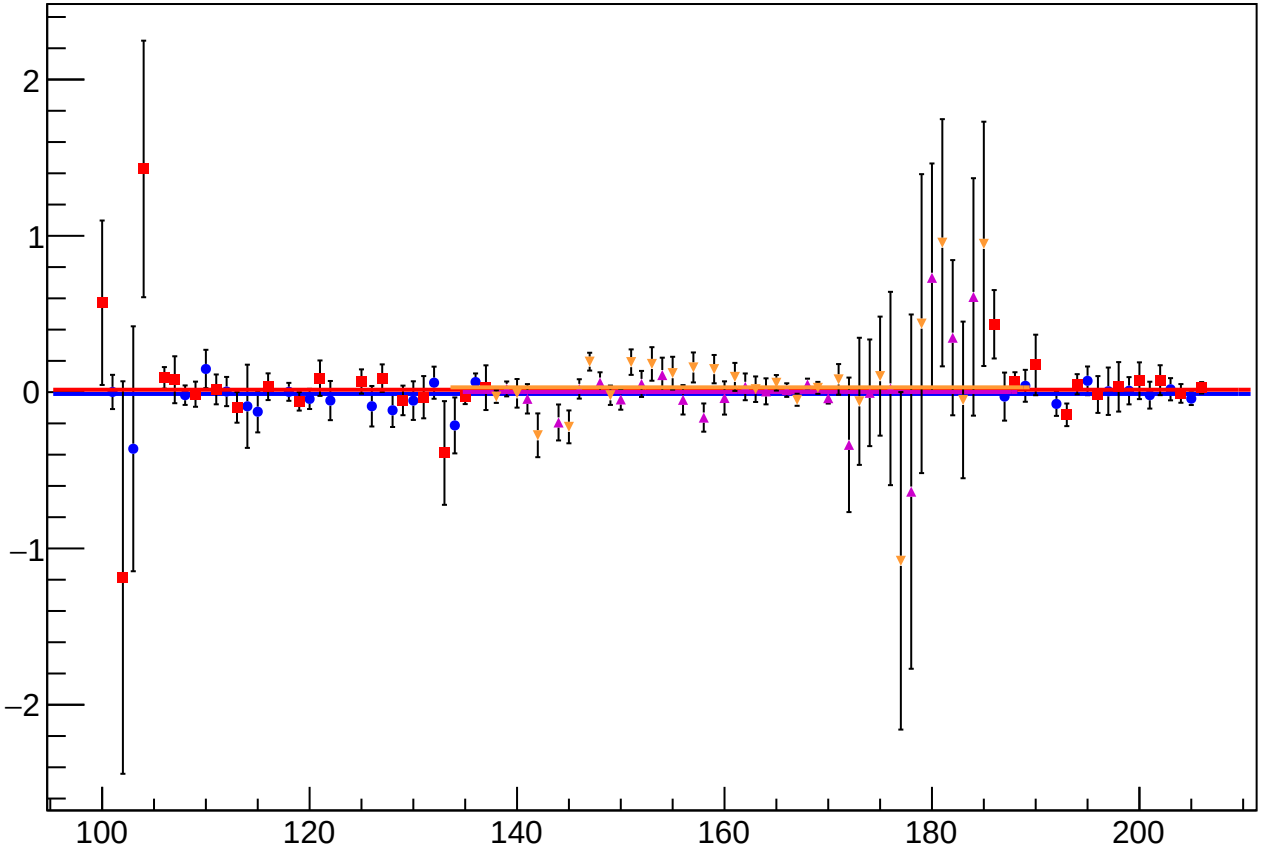
Right: 53.818+/-0.008 χ^2/NDF: 9656146.2/53

In: 52.620+/-0.008 χ^2/NDF:16221722.3/47

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 52.144+/-0.006 χ^2/NDF: 33670867.2/100

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

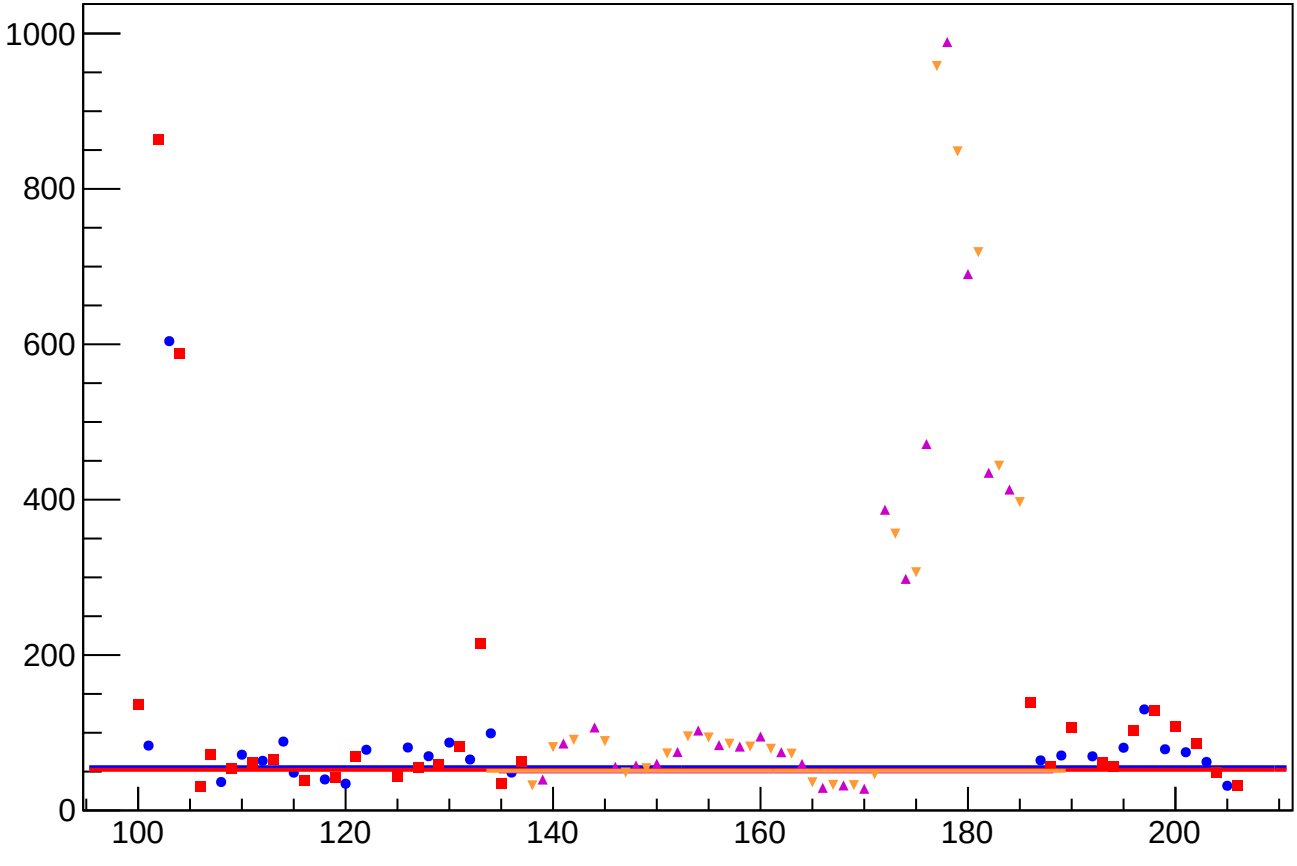
Right: 0.003+/-0.012 χ^2/NDF: 37.4/53

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.010+/-0.008 χ^2/NDF: 97.4/100

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

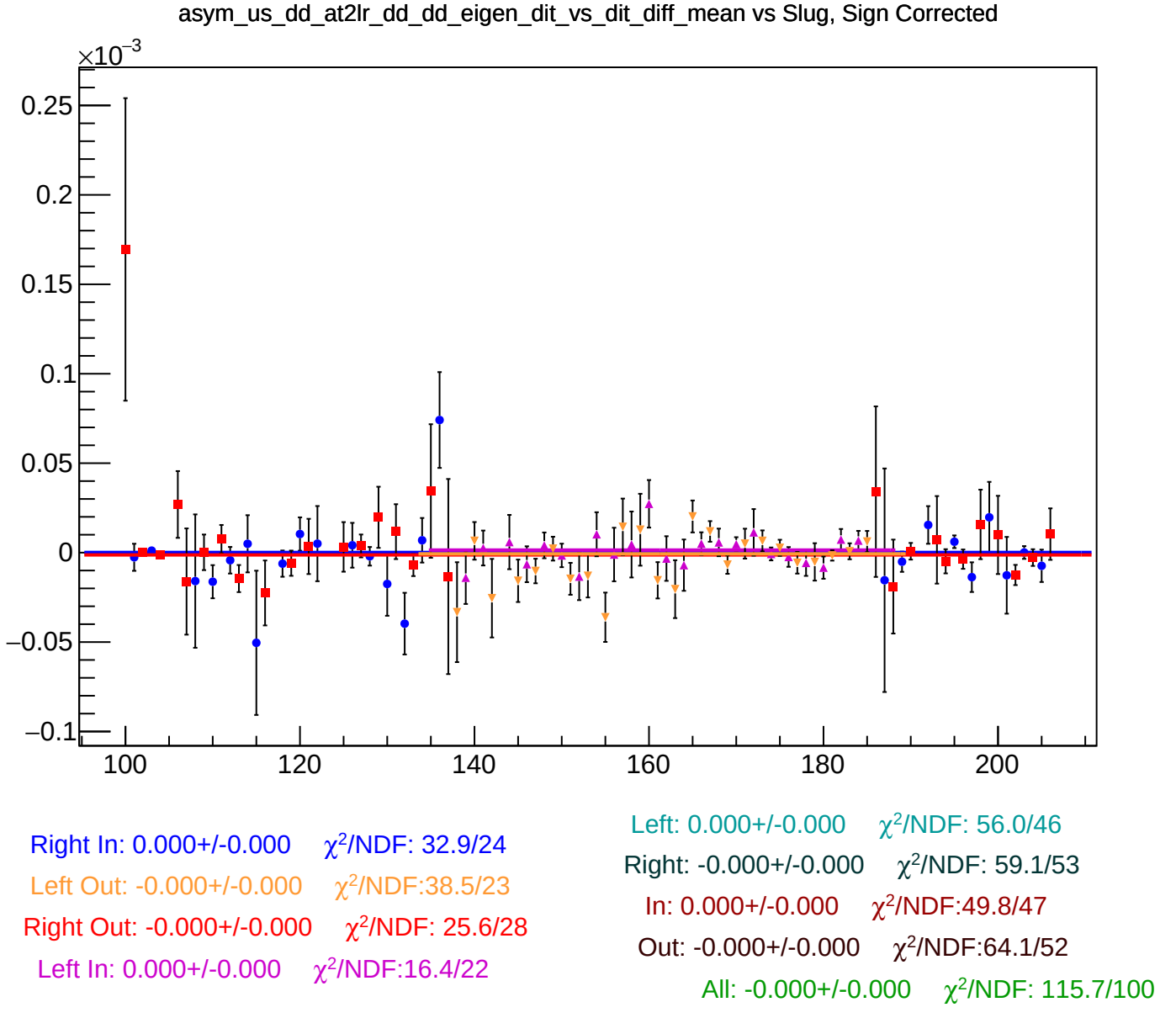
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 53.818+/-0.008 χ^2/NDF: 9656146.2/53

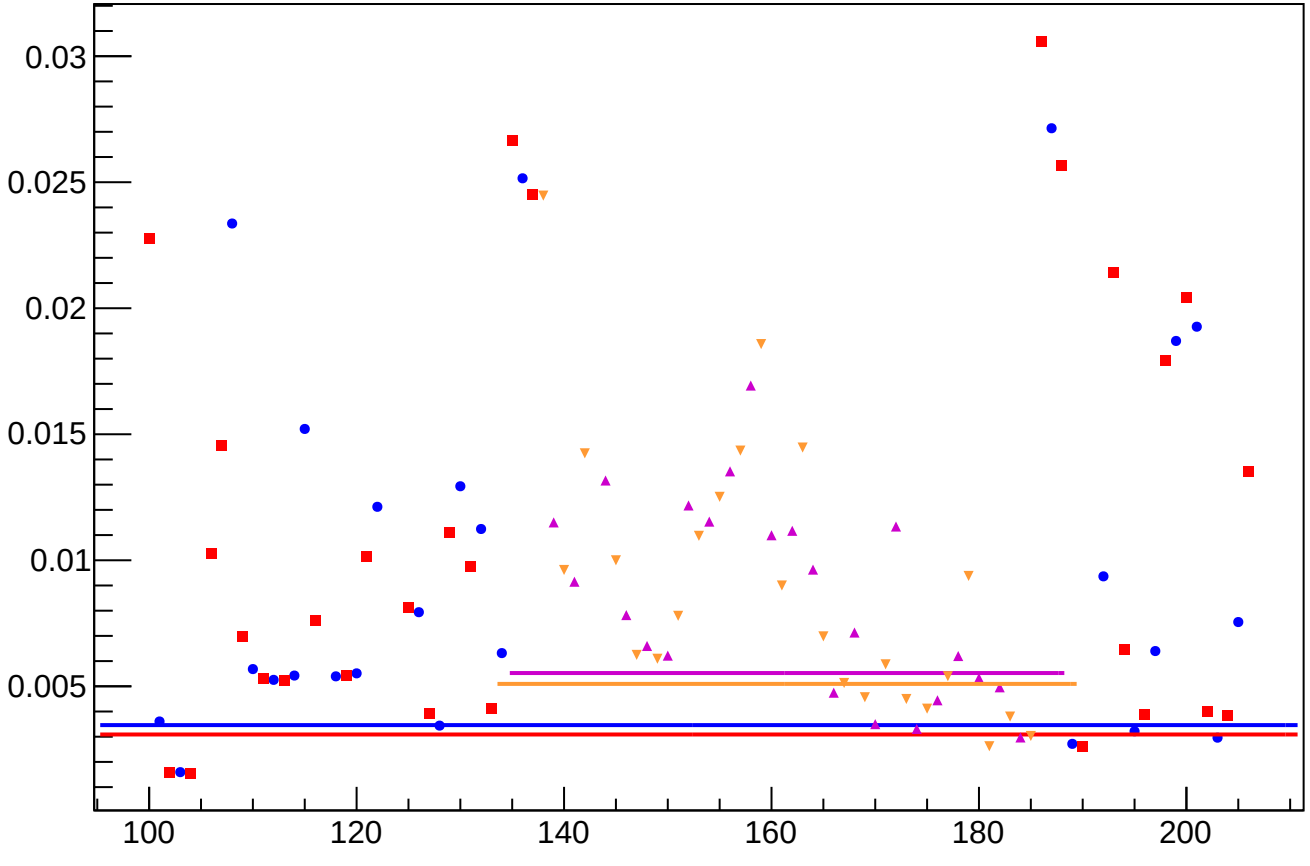
In: 52.620+/-0.008 χ^2/NDF:16221722.3/47

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 52.144+/-0.006 χ^2/NDF: 33670867.2/100


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.9/24
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.6/28
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 59.1/53
In: 0.000+/-0.000 χ²/NDF:49.8/47
Out: -0.000+/-0.000 χ²/NDF:64.1/52
All: -0.000+/-0.000 χ²/NDF: 115.7/100

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9814614.2/24

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 14021833.3/28

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

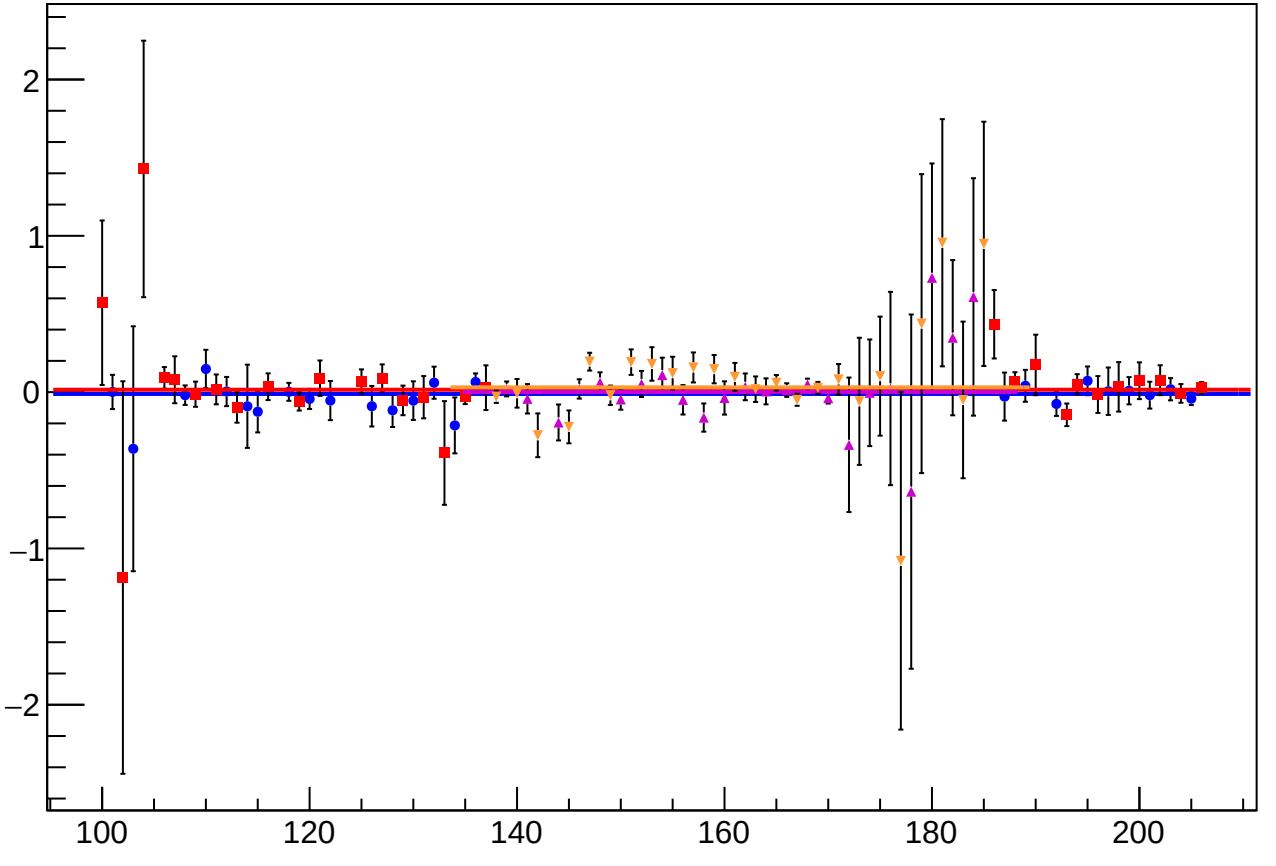
Right: 0.003+/-0.000 χ^2/NDF: 23933233.3/53

In: 0.004+/-0.000 χ^2/NDF:18887799.7/47

Out: 0.004+/-0.000 χ^2/NDF:24947403.8/52

All: 0.004+/-0.000 χ^2/NDF: 44079919.9/100

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

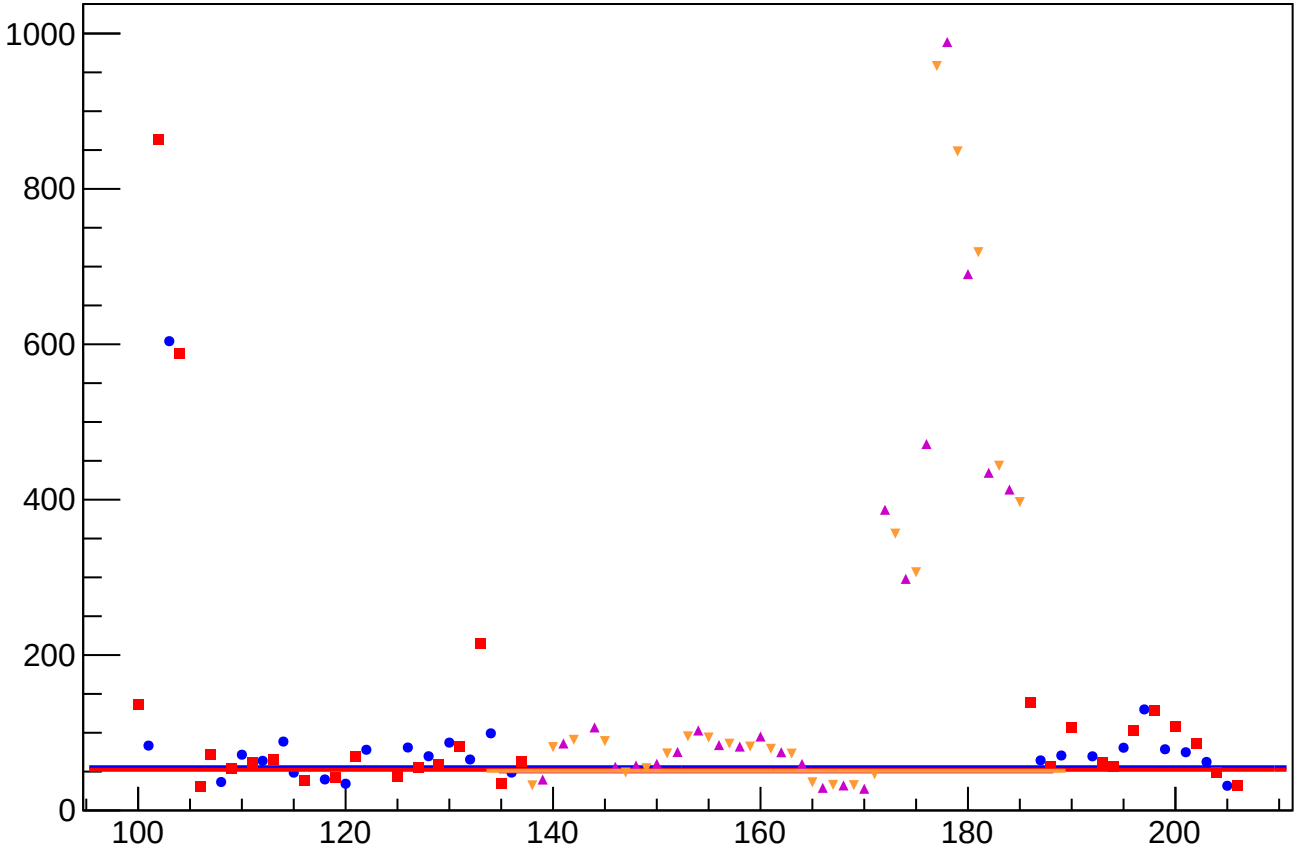
Right: 0.003+/-0.012 χ^2/NDF: 37.4/53

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.010+/-0.008 χ^2/NDF: 97.4/100

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

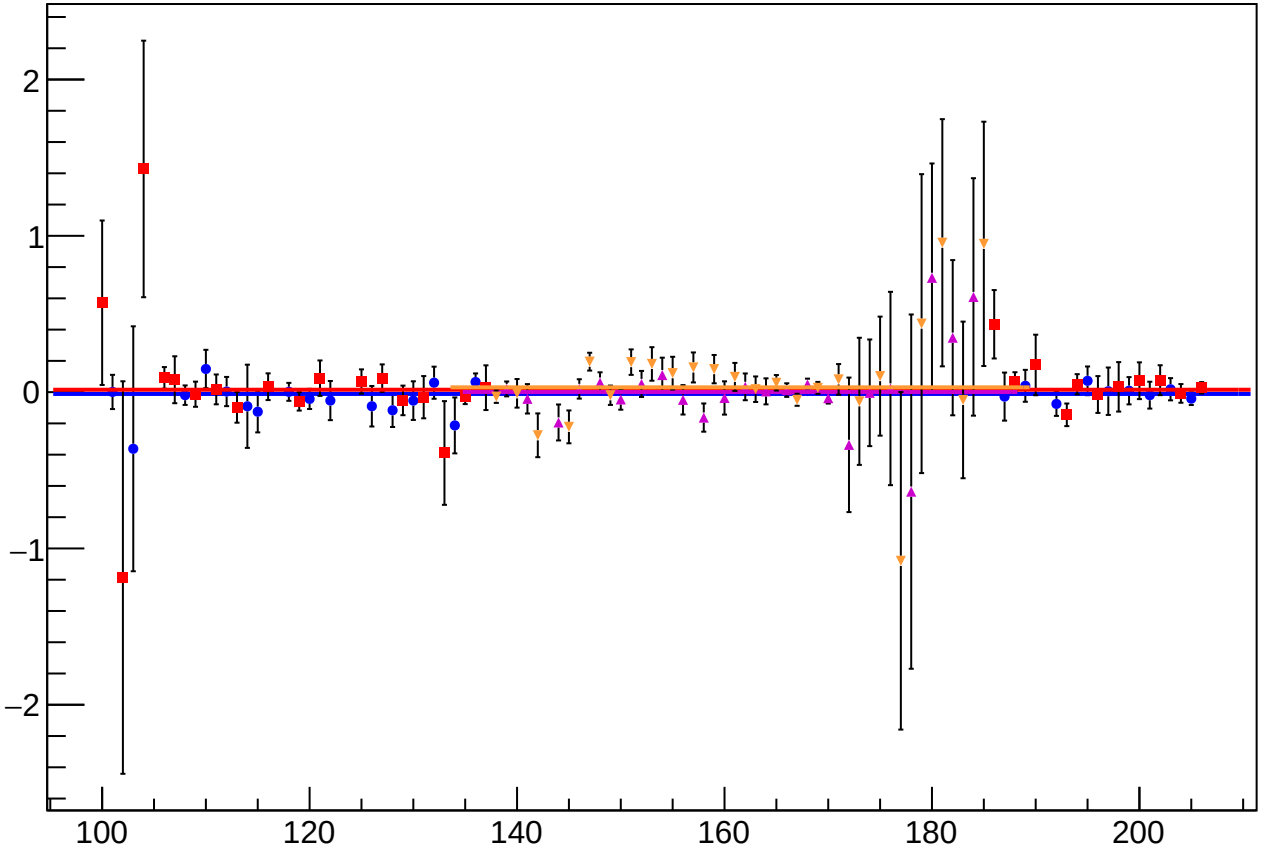
Right: 53.820+/-0.008 χ^2/NDF: 9655373.8/53

In: 52.621+/-0.008 χ^2/NDF:16221186.5/47

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 52.146+/-0.006 χ^2/NDF: 33669241.5/100

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

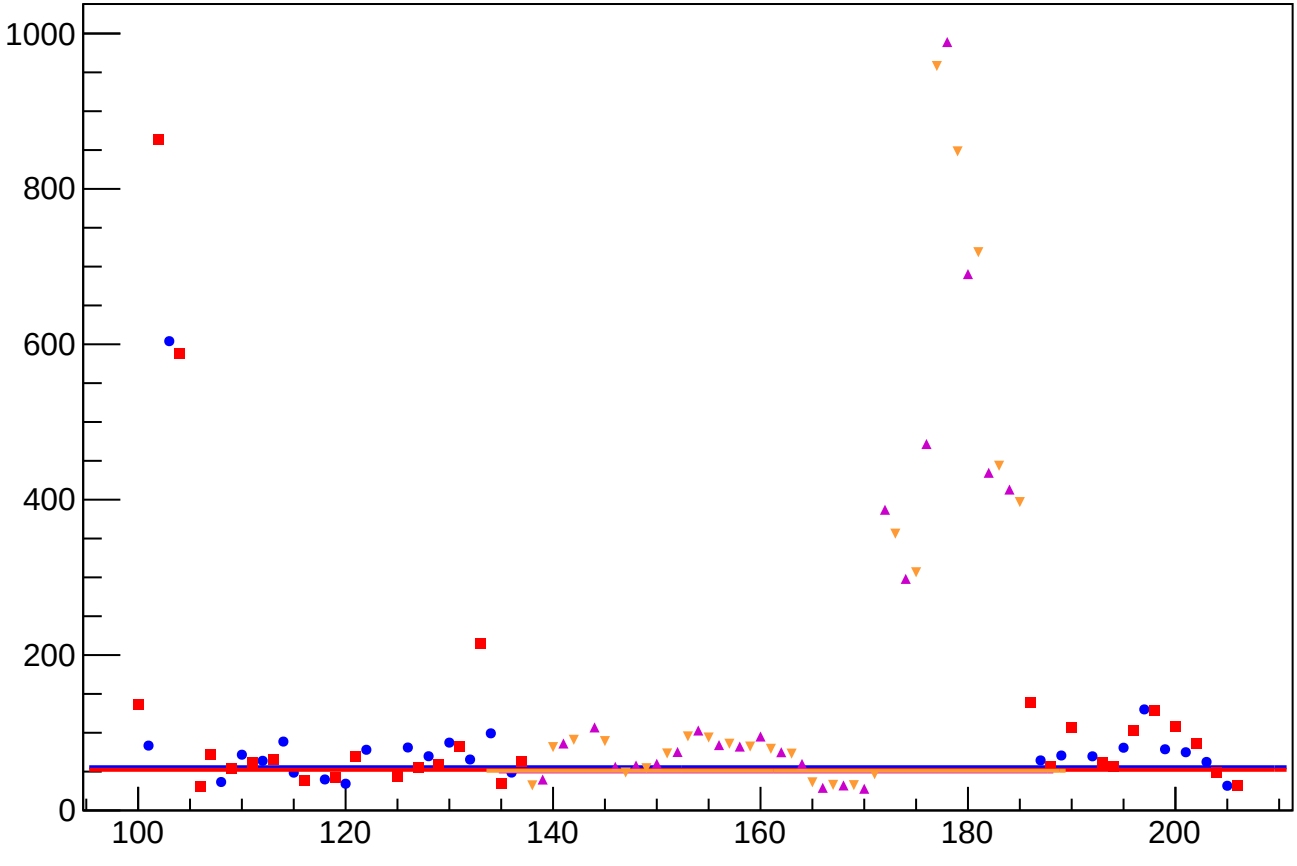
Right: 0.003+/-0.012 χ^2/NDF: 37.4/53

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.010+/-0.008 χ^2/NDF: 97.4/100

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

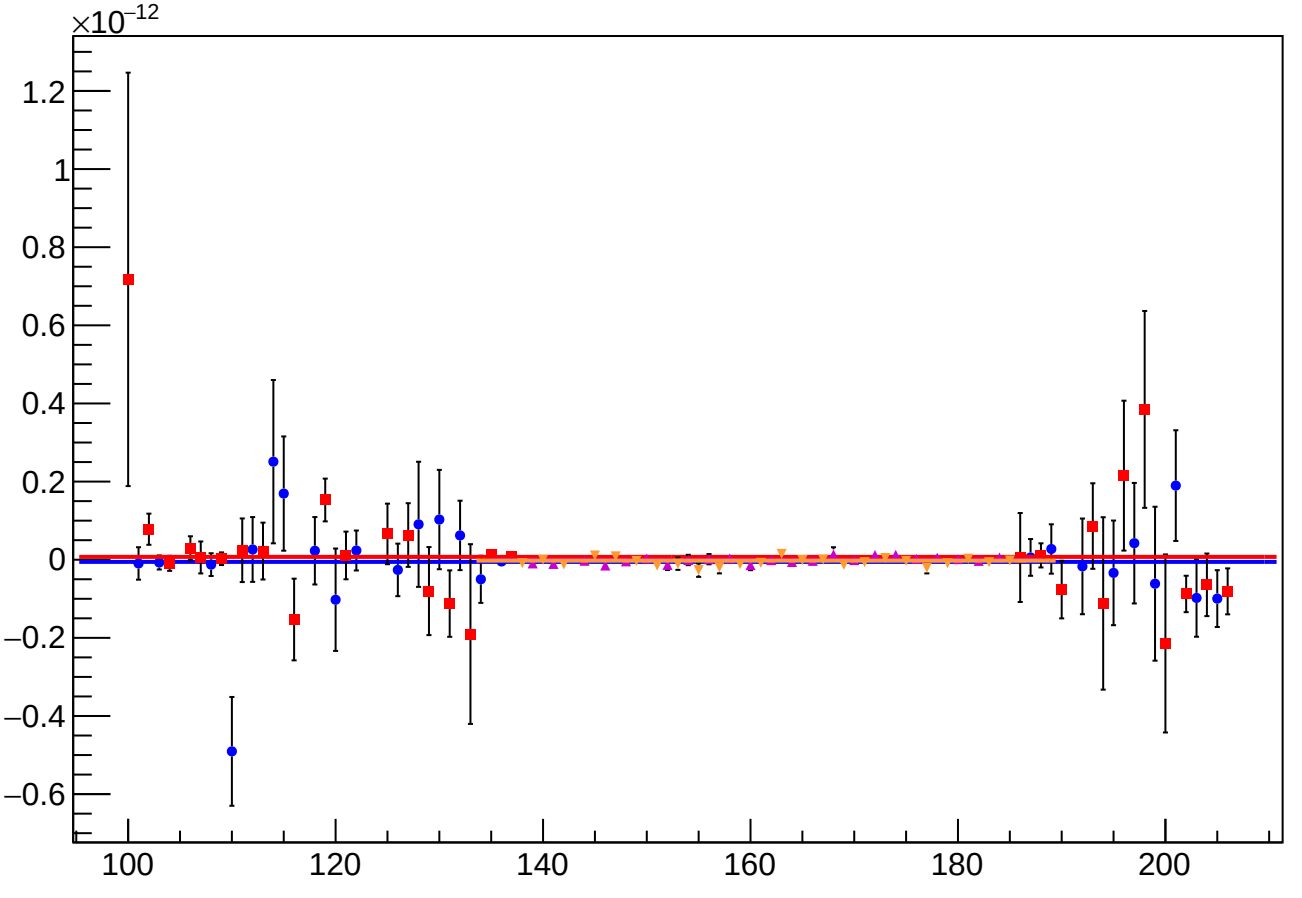
Right: 53.820+/-0.008 χ^2/NDF: 9655373.8/53

In: 52.621+/-0.008 χ^2/NDF:16221186.5/47

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 52.146+/-0.006 χ^2/NDF: 33669241.5/100

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

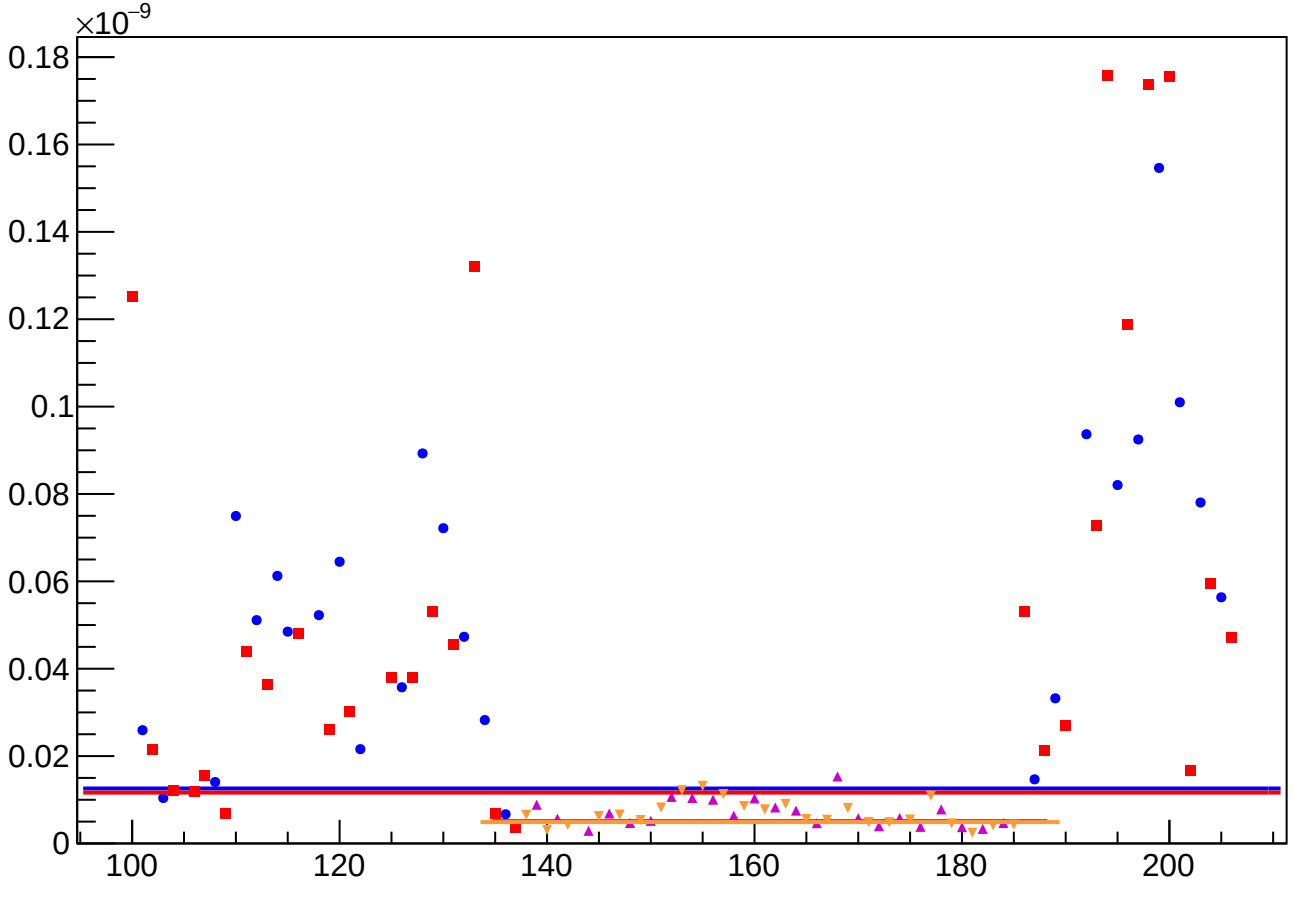
Right: 0.000+/-0.000 χ^2/NDF: 59.6/53

In: -0.000+/-0.000 χ^2/NDF:42.4/47

Out: -0.000+/-0.000 χ^2/NDF:58.6/52

All: -0.000+/-0.000 χ^2/NDF: 101.3/100

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10298251.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10493894.0/28

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

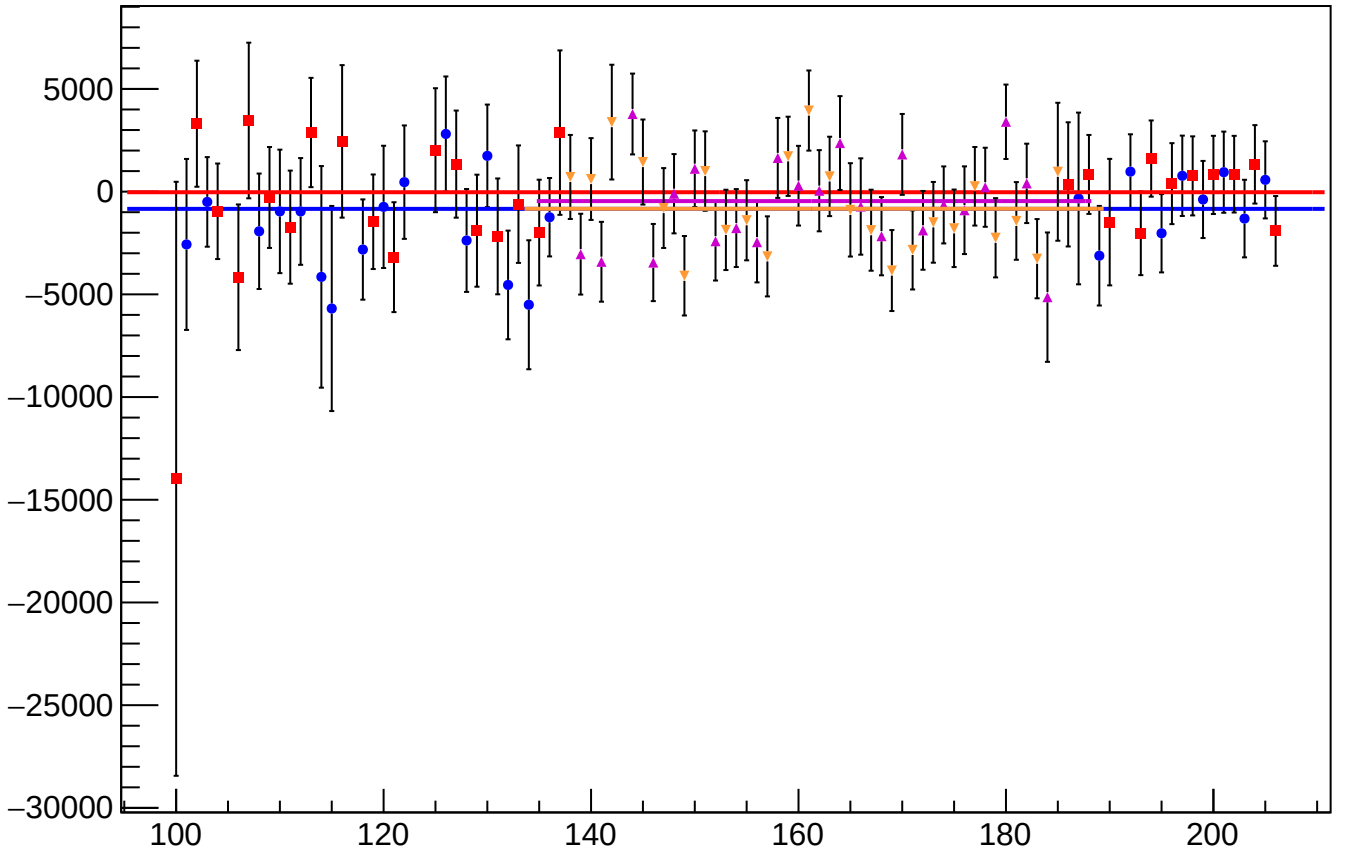
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 20813520.5/53

In: 0.000+/-0.000 χ^2/NDF:16471362.7/47

Out: 0.000+/-0.000 χ^2/NDF:17069778.5/52

All: 0.000+/-0.000 χ^2/NDF: 33562292.2/100



Right In: -838.384+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -28.047+/-453.273 χ^2/NDF: 15.8/28

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

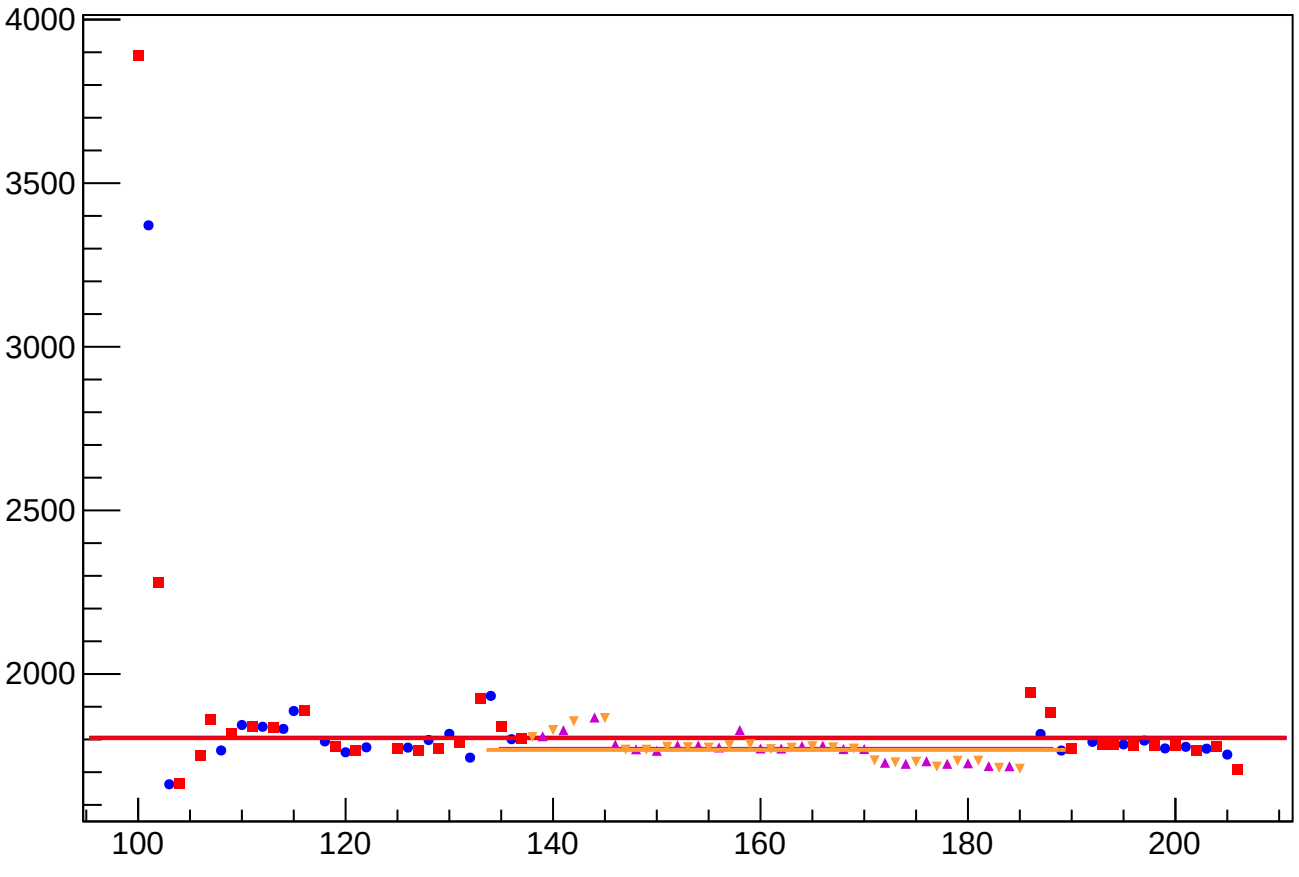
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -407.058+/-330.697 χ^2/NDF: 31.7/53

In: -619.652+/-314.323 χ^2/NDF:42.0/47

Out: -470.108+/-304.247 χ^2/NDF:43.0/52

All: -542.445+/-218.611 χ^2/NDF: 85.1/100



Right In: 1805.336+/-0.342 χ^2/NDF: 302693.6/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1803.968+/-0.321 χ^2/NDF: 121890.6/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

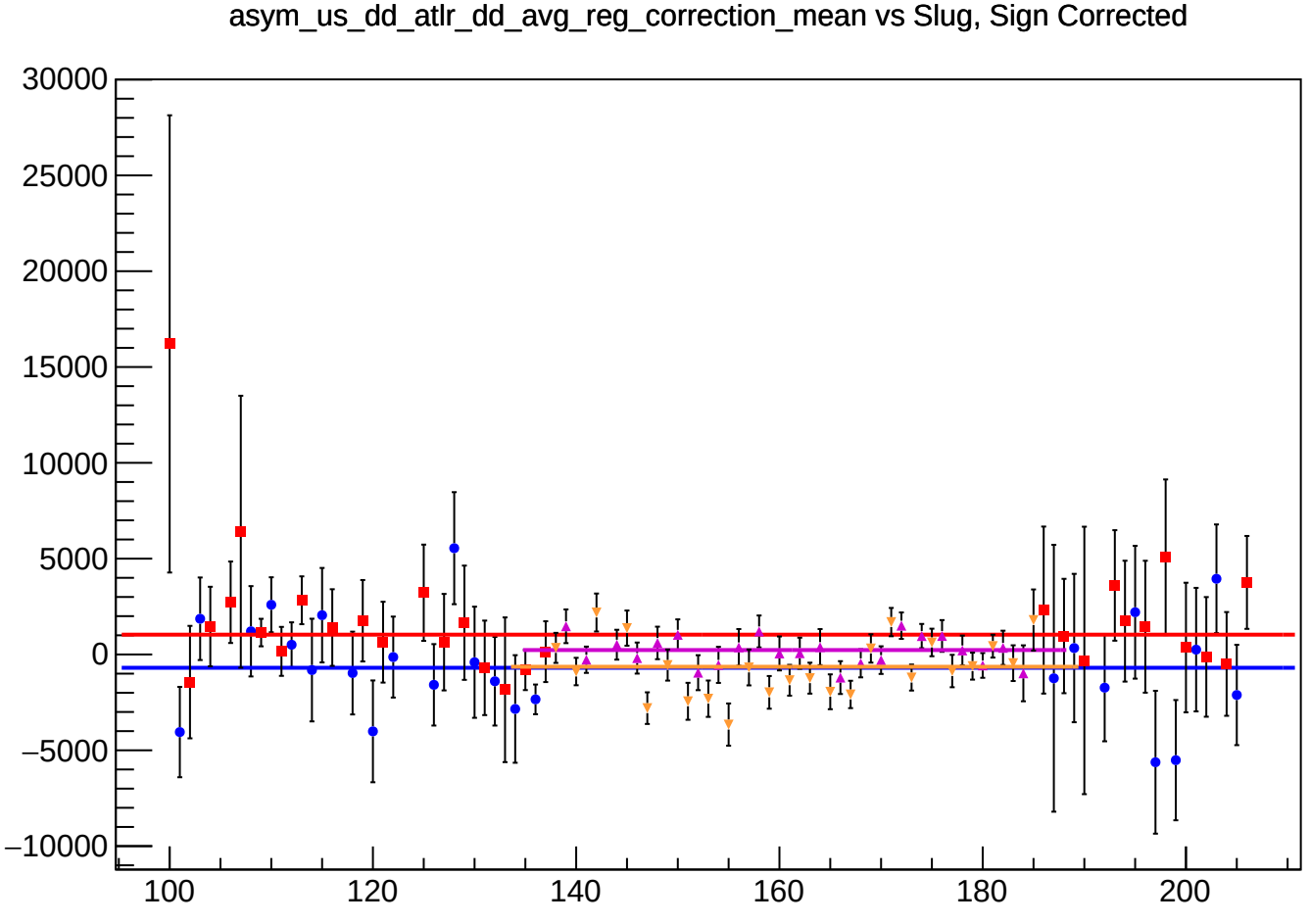
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1804.608+/-0.234 χ^2/NDF: 424592.8/53

In: 1785.634+/-0.222 χ^2/NDF:324869.0/47

Out: 1784.274+/-0.215 χ^2/NDF:145120.3/52

All: 1784.932+/-0.155 χ^2/NDF: 470008.6/100



Right In: -694.425+/-409.817 χ^2/NDF: 31.3/24

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1033.847+/-364.929 χ^2/NDF: 15.4/28

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

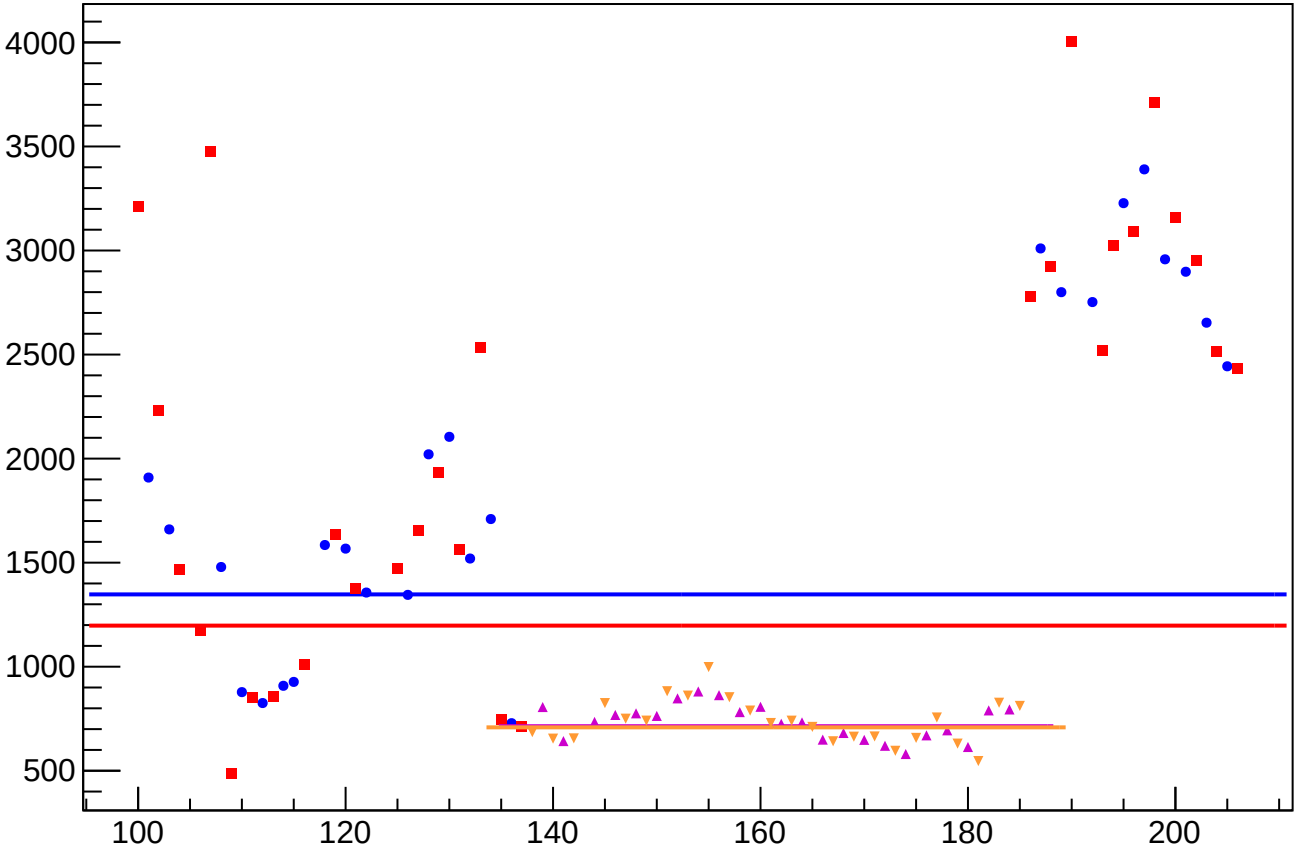
Right: 269.510+/-272.537 χ^2/NDF: 56.6/53

In: 97.126+/-155.698 χ^2/NDF:55.6/47

Out: -352.594+/-151.440 χ^2/NDF:99.5/52

All: -133.968+/-108.559 χ^2/NDF: 159.4/100

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1347.466+/-0.290 χ^2/NDF: 6342798.7/24

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1197.402+/-0.258 χ^2/NDF: 10000176.2/28

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

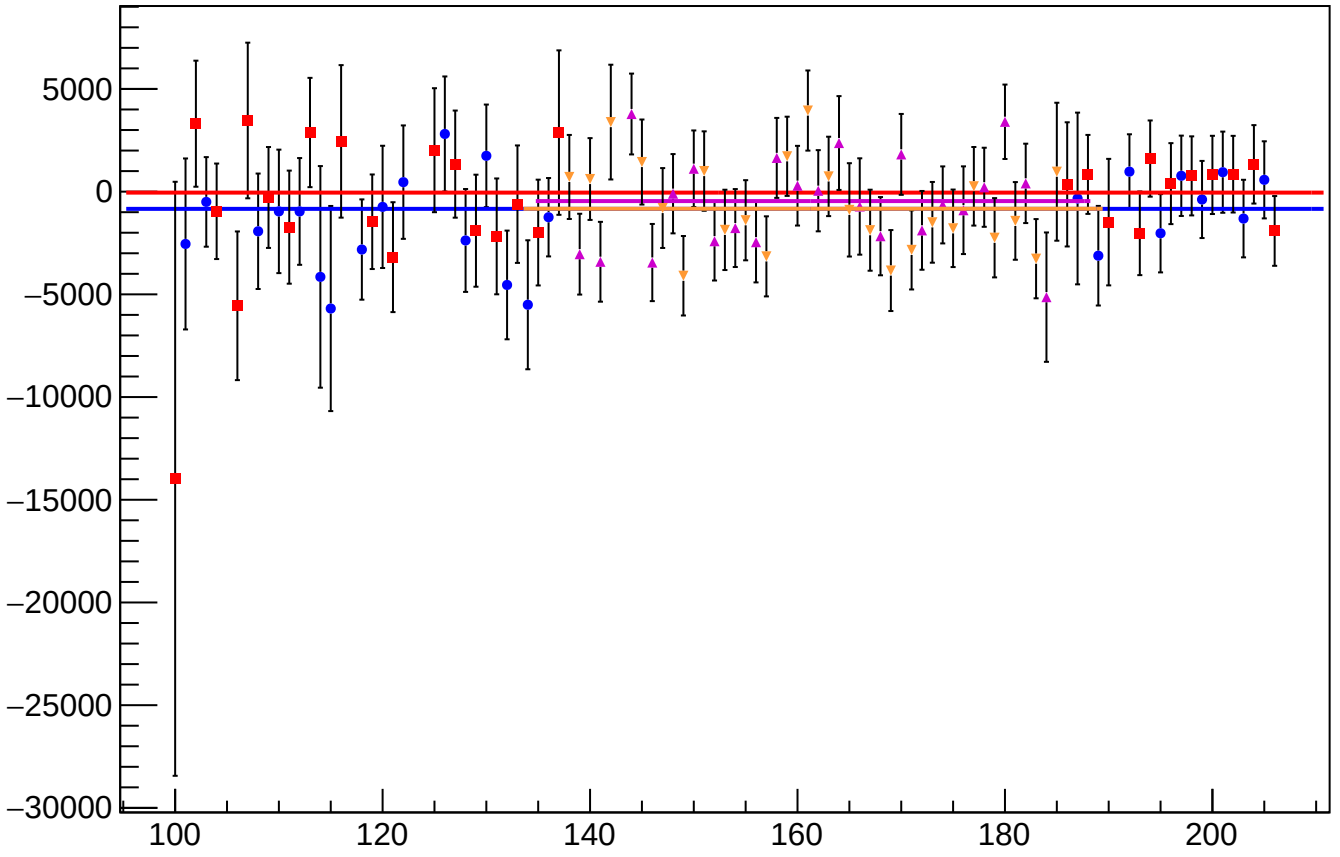
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1263.769+/-0.193 χ^2/NDF: 16492541.7/53

In: 805.573+/-0.110 χ^2/NDF:10926771.1/47

Out: 792.697+/-0.107 χ^2/NDF:13672123.9/52

All: 798.957+/-0.077 χ^2/NDF: 24605923.7/10



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -47.036+/-453.425 χ^2/NDF: 16.8/28

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

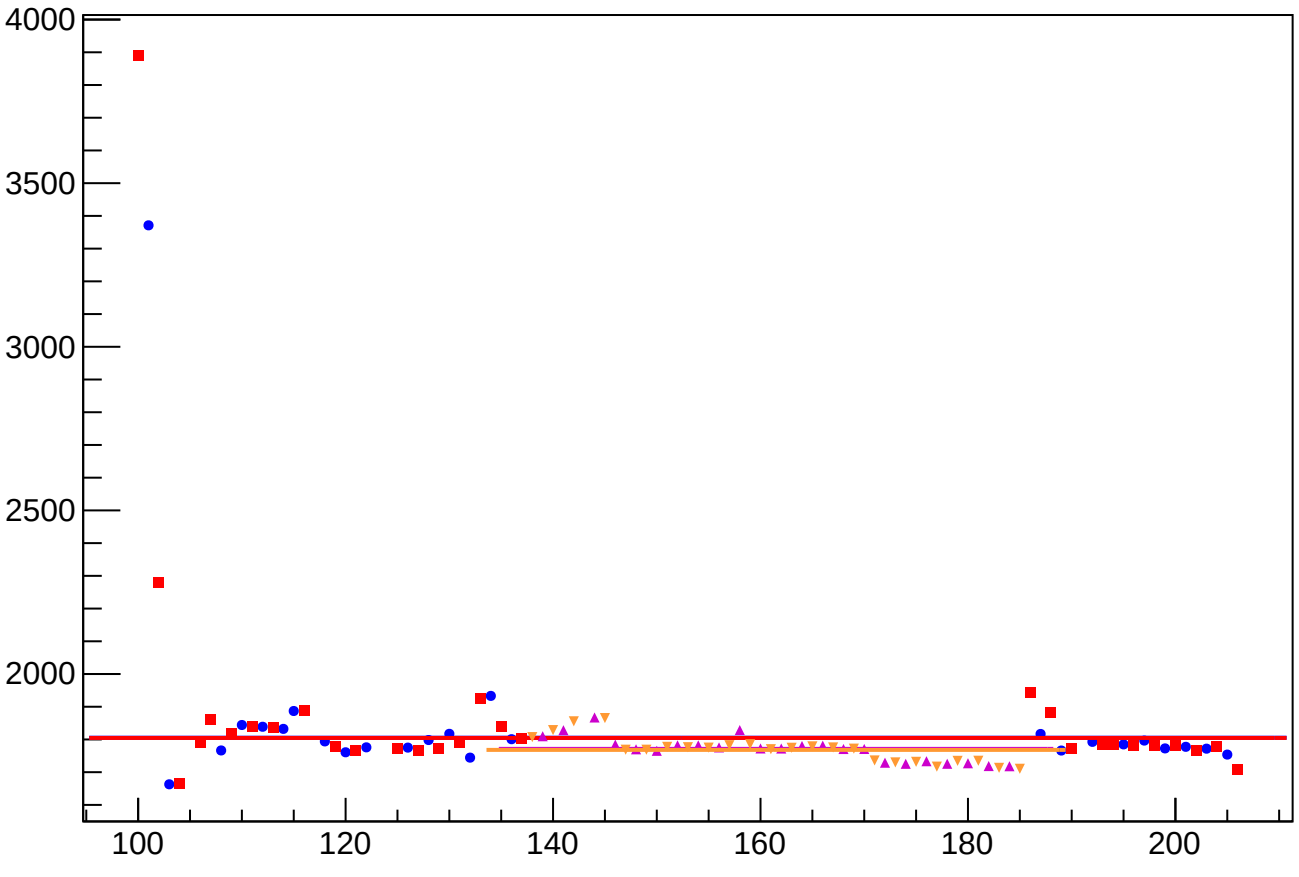
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -417.165+/-330.755 χ^2/NDF: 32.6/53

In: -619.509+/-314.323 χ^2/NDF:42.0/47

Out: -478.734+/-304.293 χ^2/NDF:43.8/52

All: -546.840+/-218.628 χ^2/NDF: 85.9/100



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

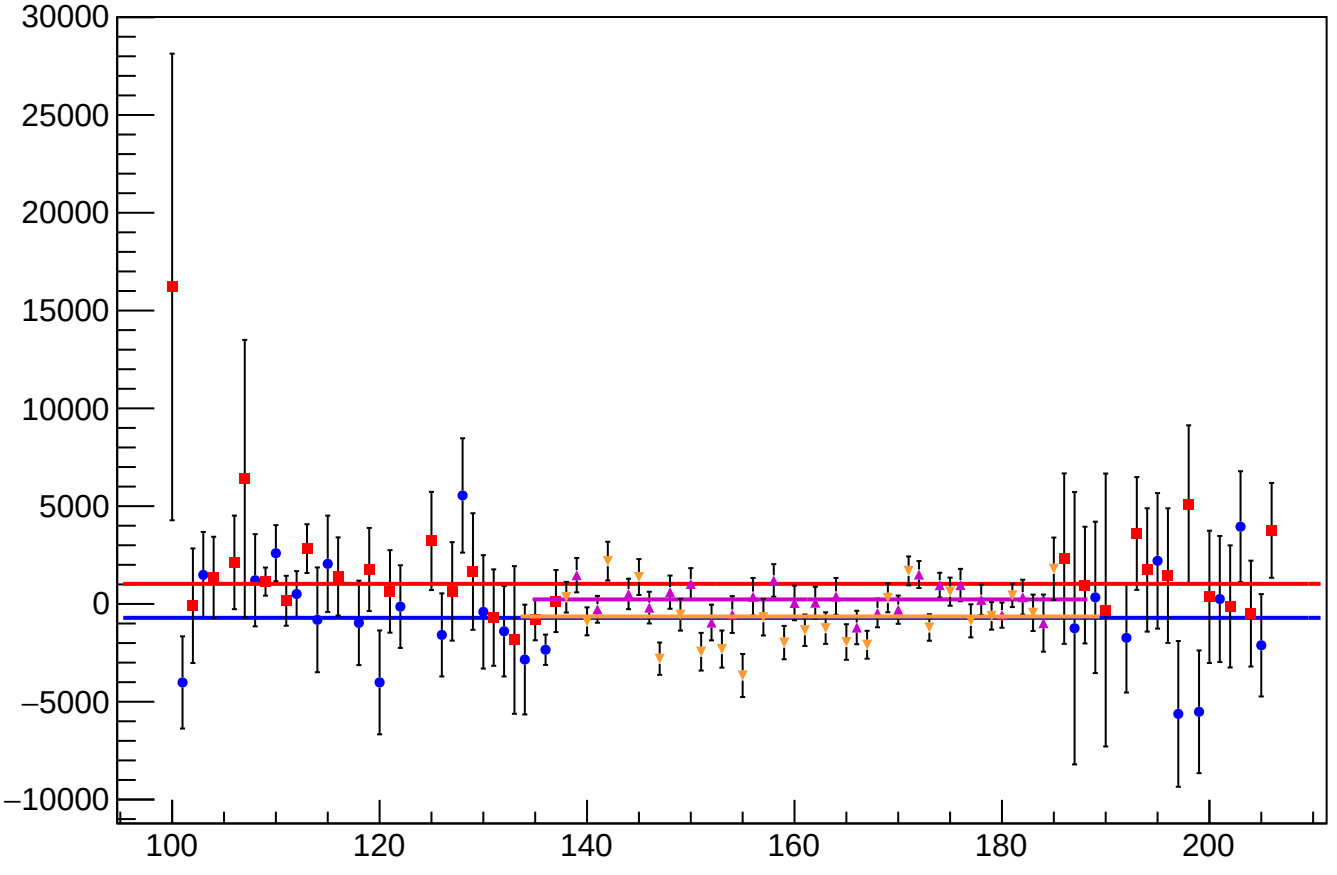
Right: 1804.968+/-0.234 χ^2/NDF: 424154.4/53

In: 1785.634+/-0.222 χ^2/NDF:324870.8/47

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1785.086+/-0.155 χ^2/NDF: 469828.5/100

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

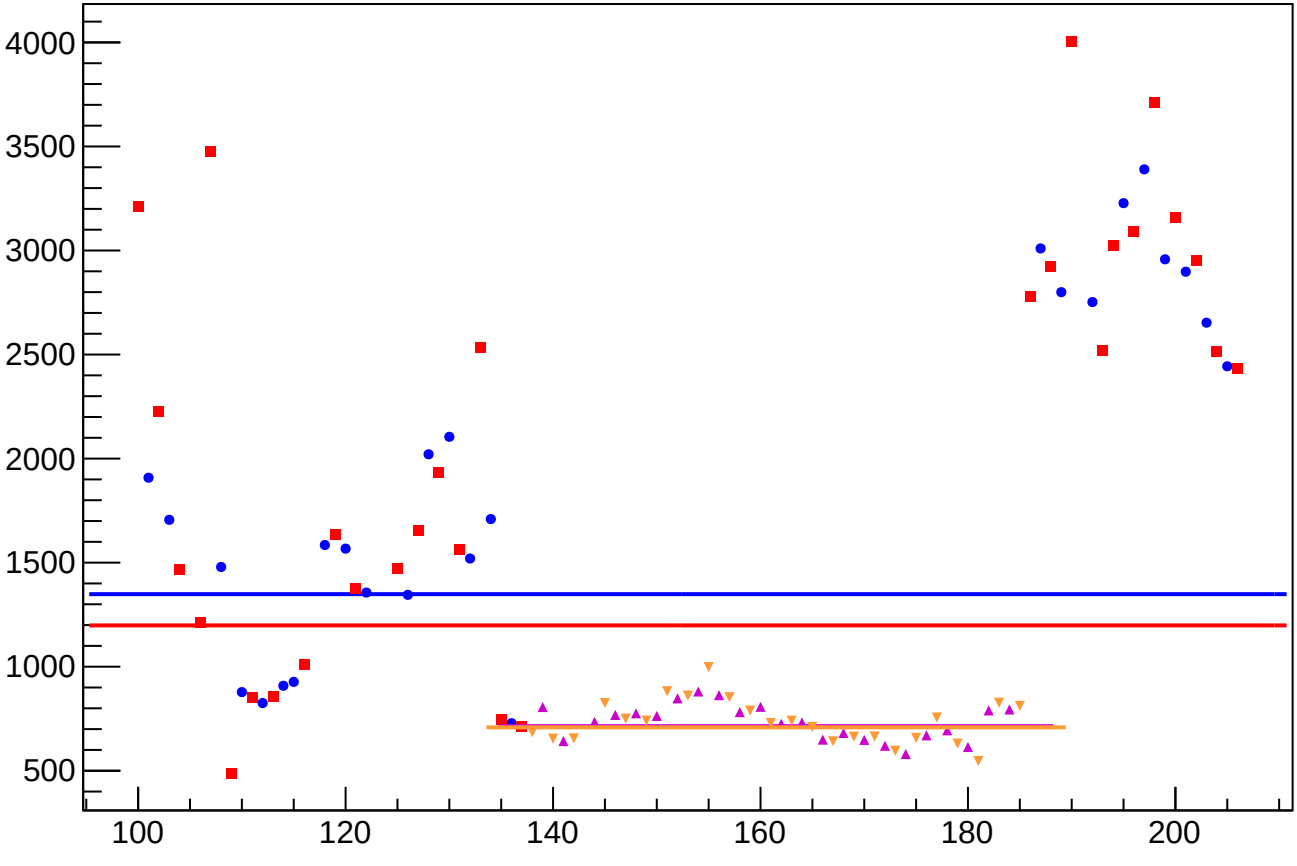
Right: 256.589+/-273.086 χ^2/NDF: 55.2/53

In: 94.905+/-155.716 χ^2/NDF:55.3/47

Out: -355.195+/-151.520 χ^2/NDF:98.2/52

All: -136.290+/-108.594 χ^2/NDF: 157.8/100

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

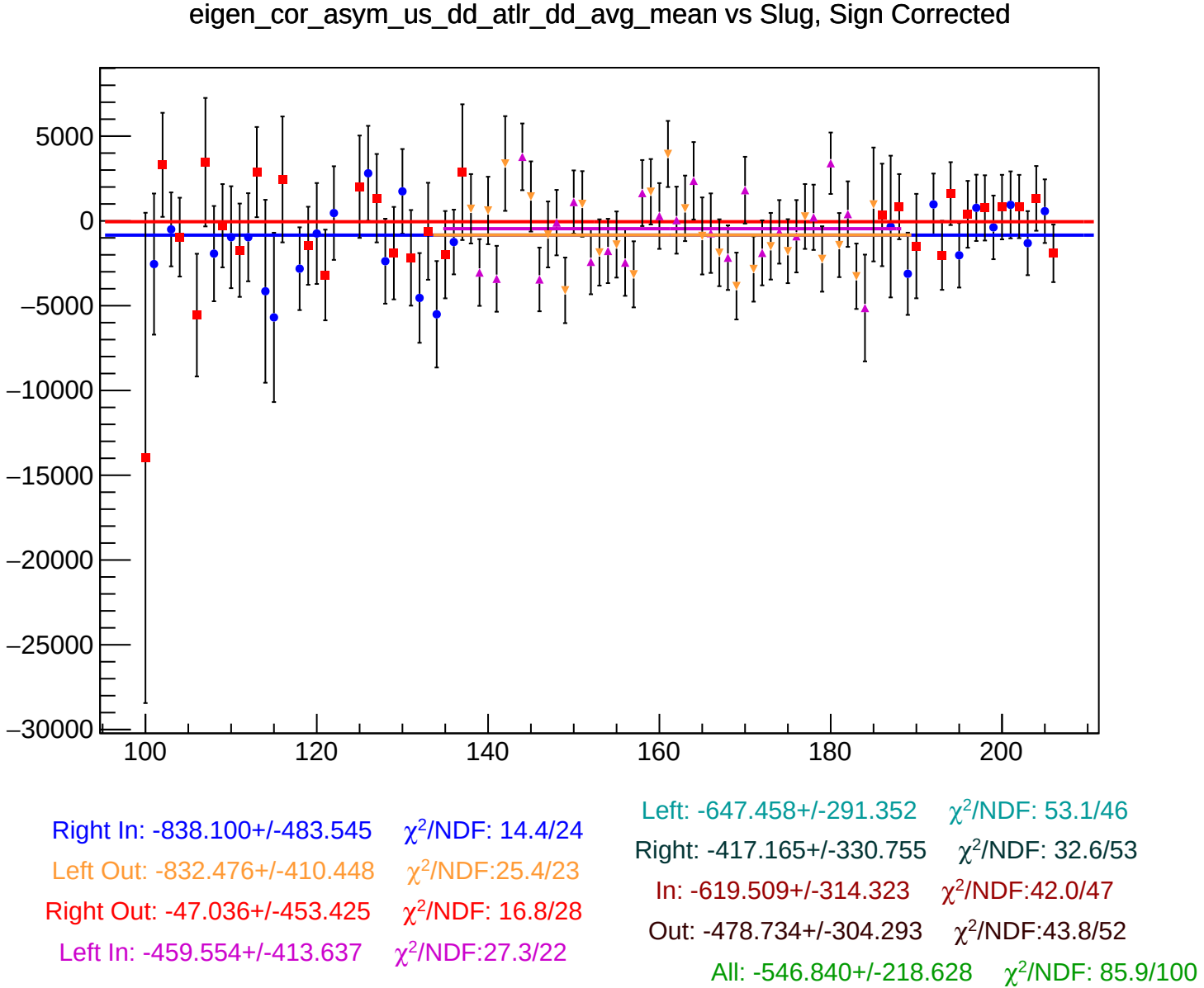
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

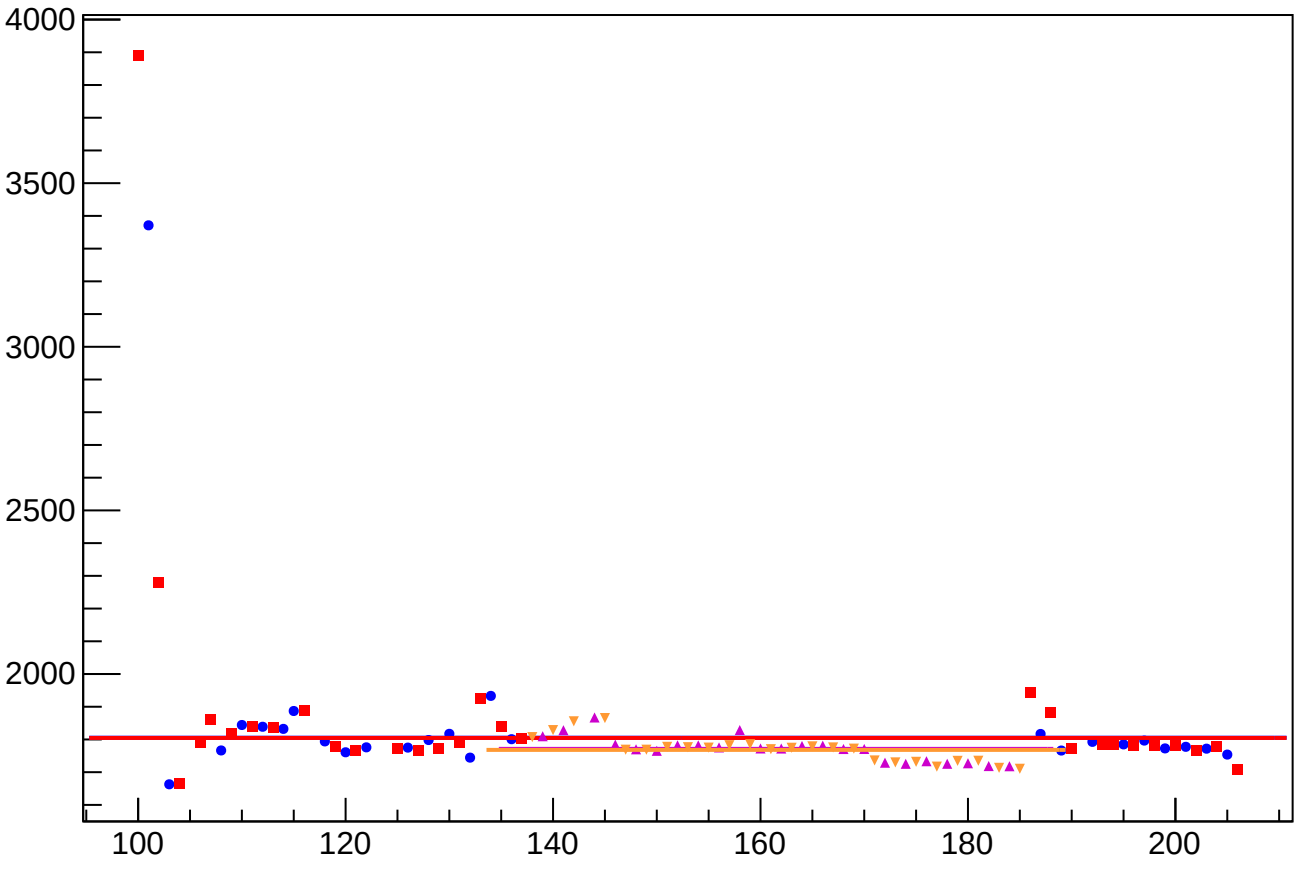
Right: 1265.008+/-0.193 χ^2/NDF: 16501706.6/53

In: 805.632+/-0.110 χ^2/NDF:10947078.7/47

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 798.863+/-0.077 χ^2/NDF: 24622486.8/10


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: -838.100+/-483.545 χ²/NDF: 14.4/24
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -47.036+/-453.425 χ²/NDF: 16.8/28
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -417.165+/-330.755 χ²/NDF: 32.6/53
In: -619.509+/-314.323 χ²/NDF:42.0/47
Out: -478.734+/-304.293 χ²/NDF:43.8/52
All: -546.840+/-218.628 χ²/NDF: 85.9/100



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

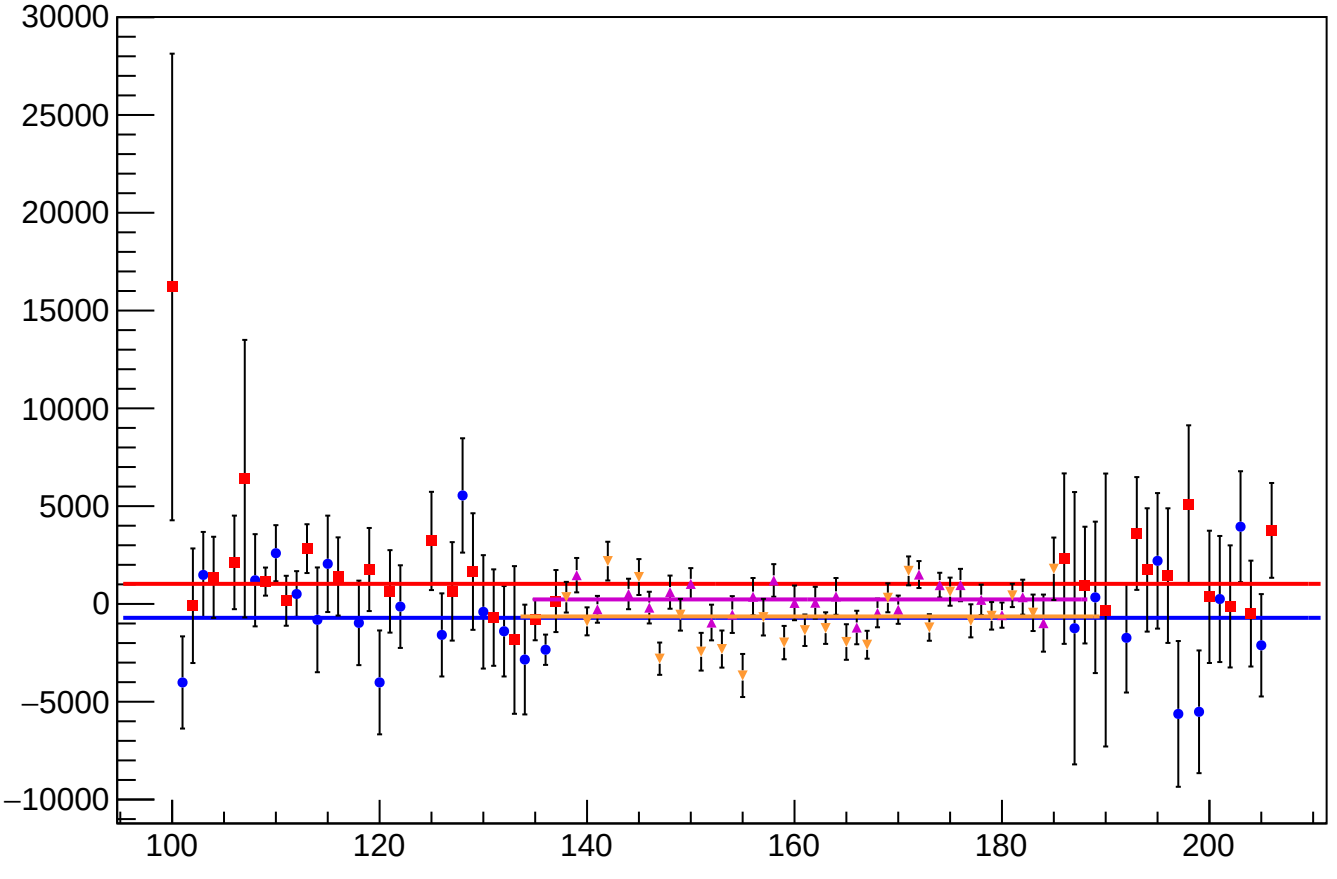
Right: 1804.968+/-0.234 χ^2/NDF: 424154.4/53

In: 1785.634+/-0.222 χ^2/NDF:324870.8/47

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1785.086+/-0.155 χ^2/NDF: 469828.5/100

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

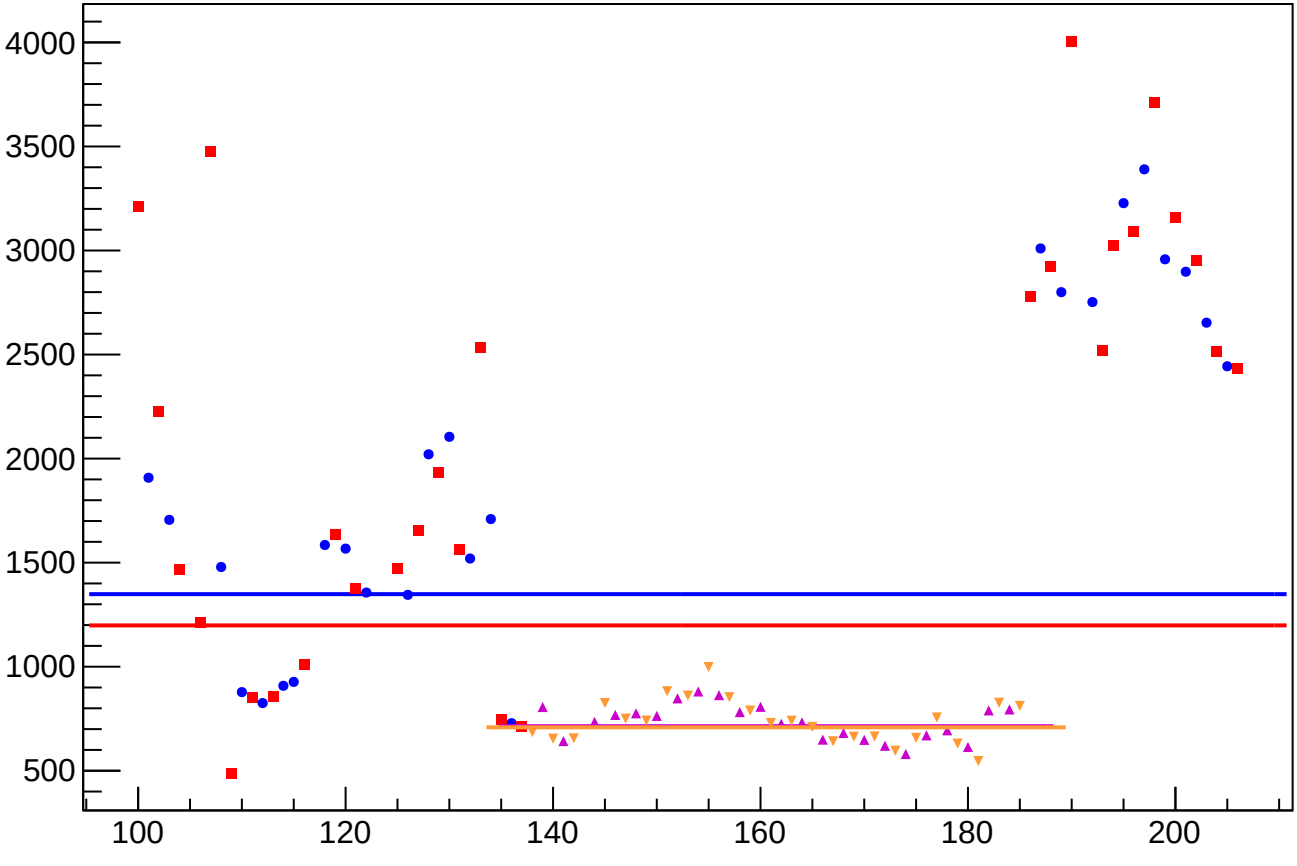
Right: 256.589+/-273.086 χ^2/NDF: 55.2/53

In: 94.905+/-155.716 χ^2/NDF:55.3/47

Out: -355.195+/-151.520 χ^2/NDF:98.2/52

All: -136.290+/-108.594 χ^2/NDF: 157.8/100

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

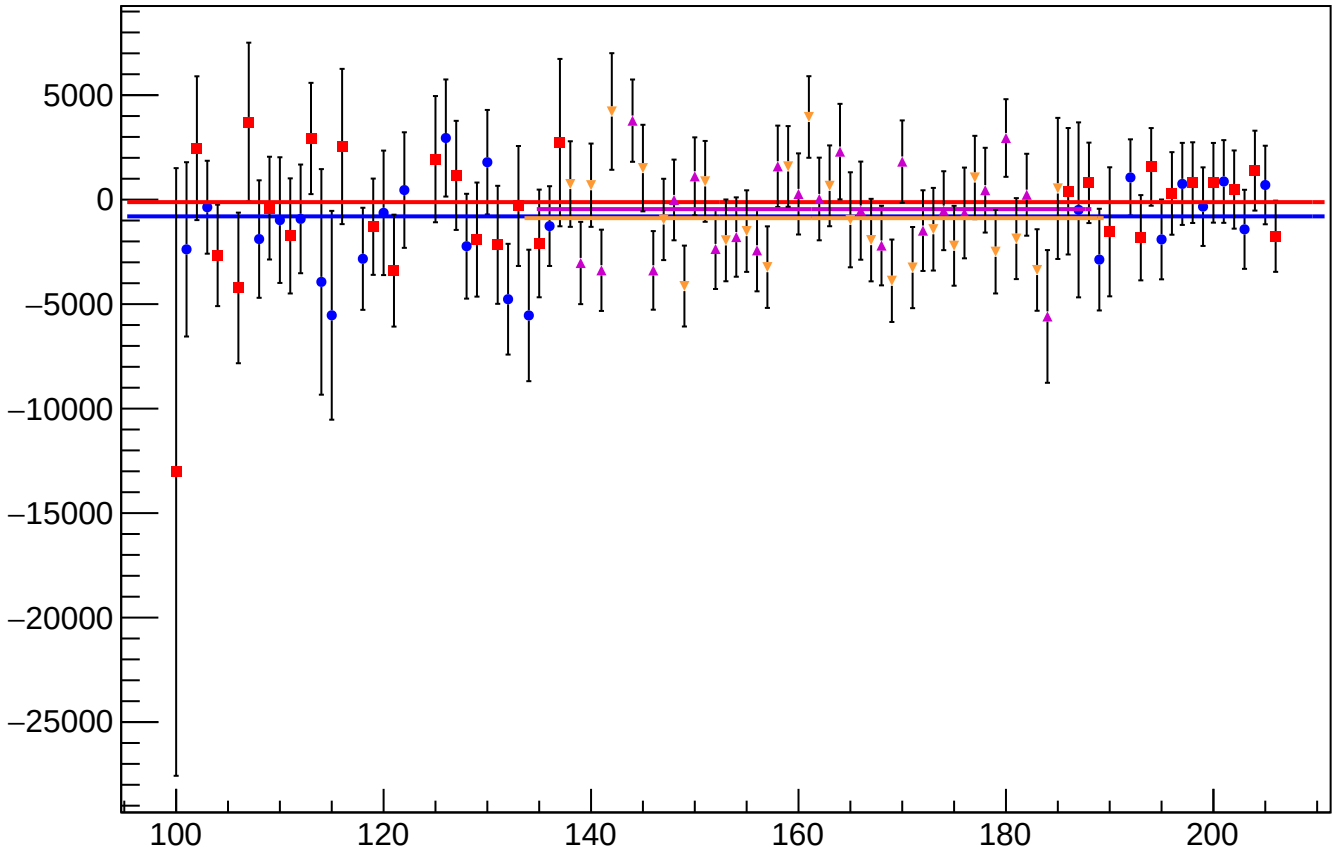
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1265.008+/-0.193 χ^2/NDF: 16501706.6/53

In: 805.632+/-0.110 χ^2/NDF:10947078.7/47

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 798.863+/-0.077 χ^2/NDF: 24622486.8/10



Right In: -800.991+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -119.496+/-455.859 χ^2/NDF: 15.6/28

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

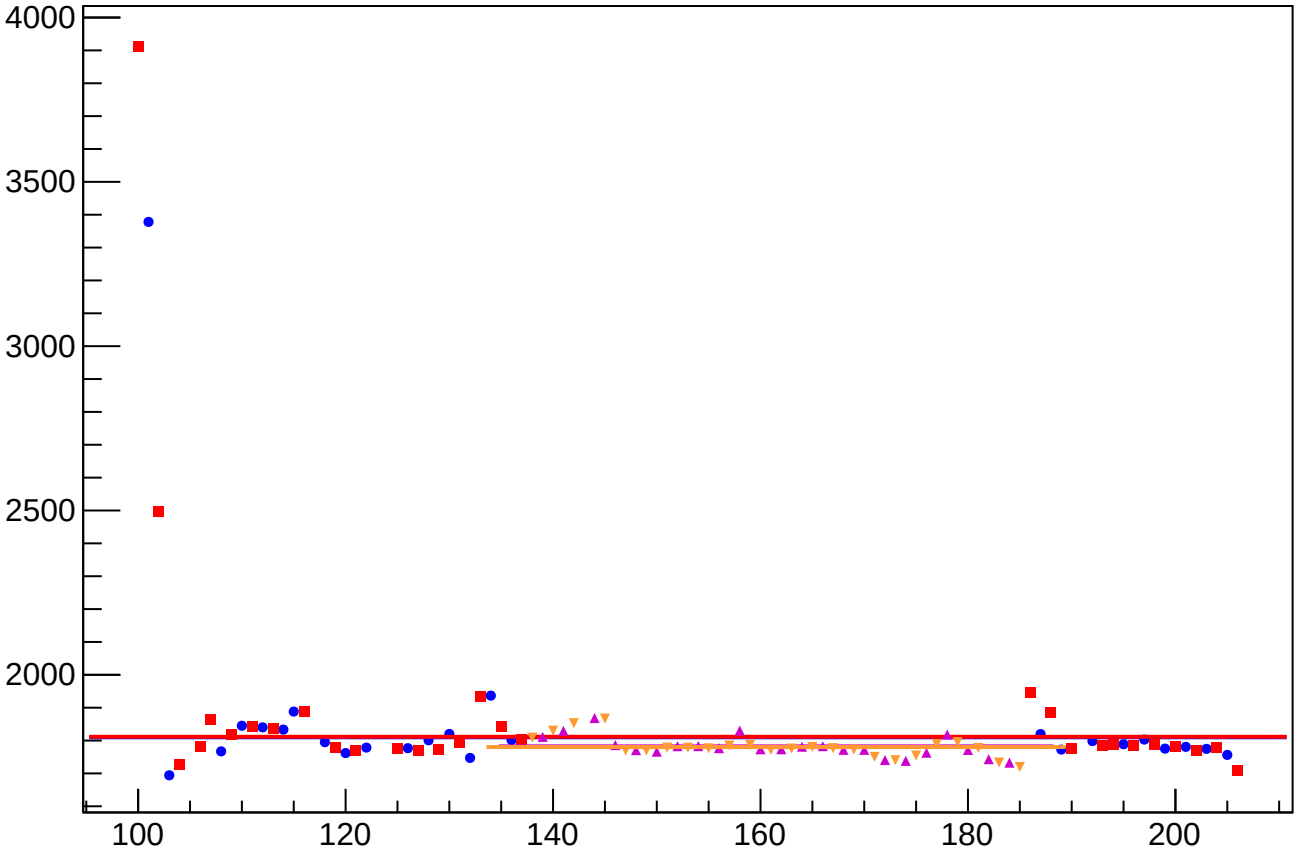
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -439.317+/-332.092 χ^2/NDF: 31.1/53

In: -600.800+/-315.783 χ^2/NDF:40.6/47

Out: -540.452+/-306.161 χ^2/NDF:45.3/52

All: -569.693+/-219.811 χ^2/NDF: 85.9/100



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.7/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

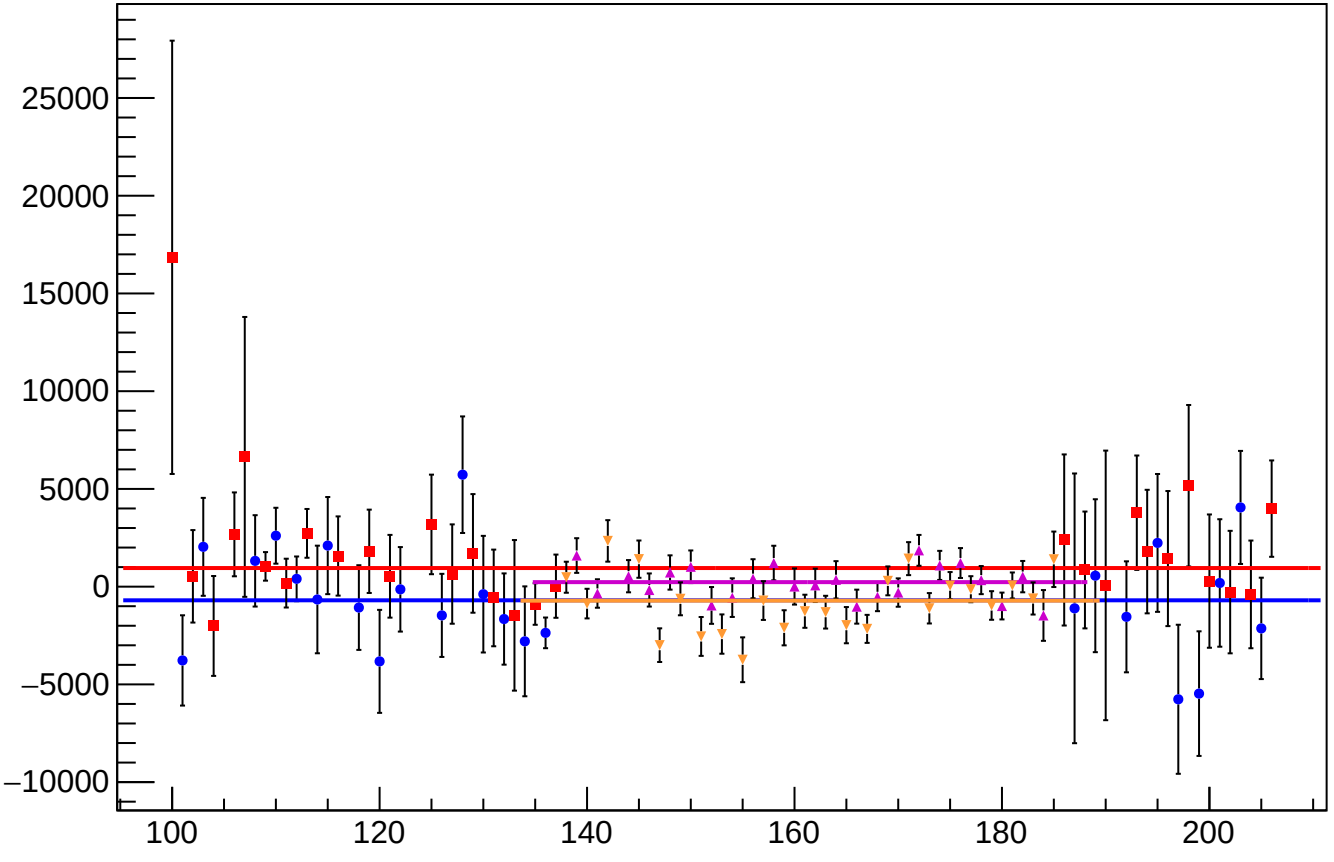
Right: 1810.763+/-0.235 χ^2/NDF: 448660.6/53

In: 1794.036+/-0.223 χ^2/NDF:314560.7/47

Out: 1794.317+/-0.216 χ^2/NDF:164611.0/52

All: 1794.181+/-0.155 χ^2/NDF: 479172.5/100

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -698.354+/-413.458 χ^2/NDF: 30.7/24

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 952.211+/-368.415 χ^2/NDF: 16.5/28

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

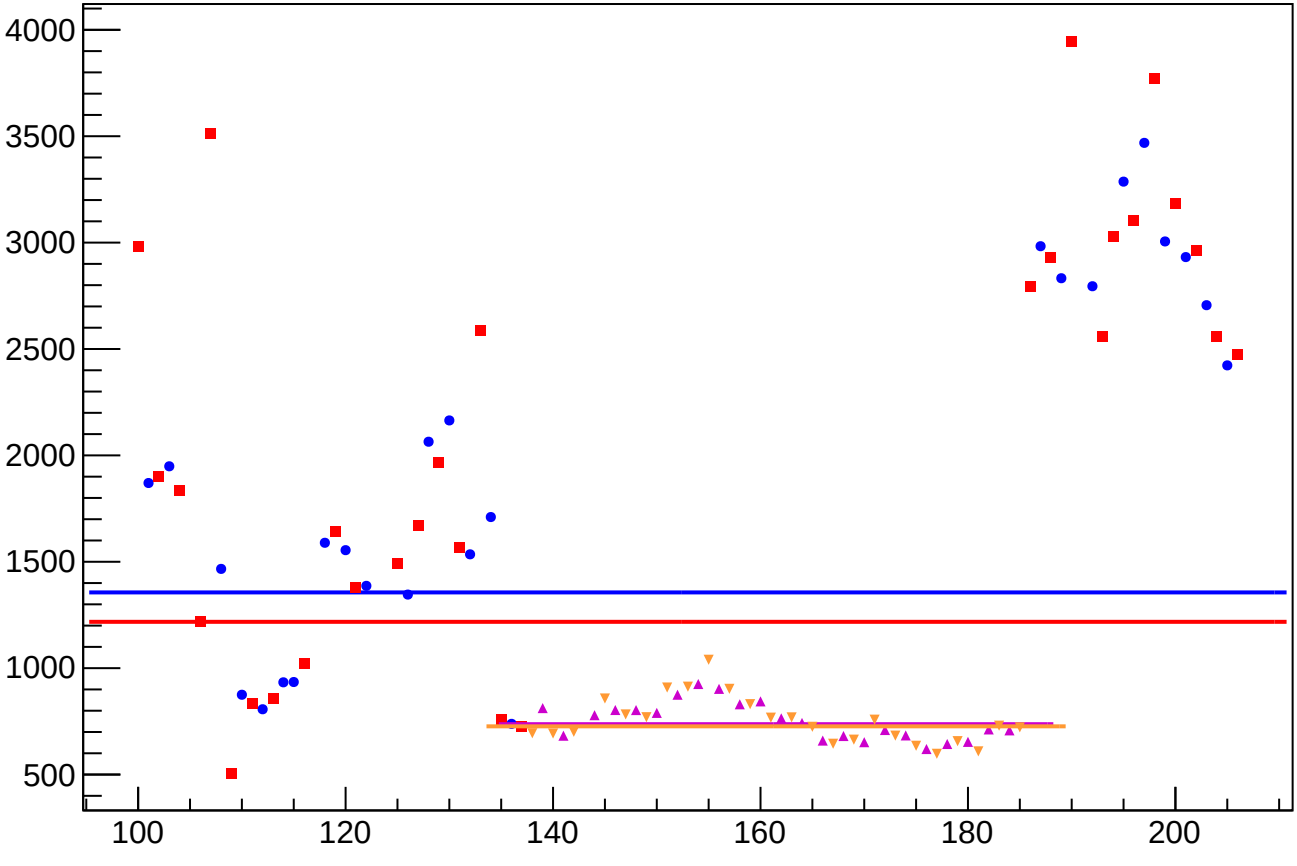
Right: 221.703+/-275.060 χ^2/NDF: 56.1/53

In: 92.212+/-159.934 χ^2/NDF:59.1/47

Out: -421.934+/-154.810 χ^2/NDF:92.8/52

All: -173.231+/-111.235 χ^2/NDF: 157.2/100

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1355.986+/-0.292 χ^2/NDF: 6485799.7/24

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1217.791+/-0.261 χ^2/NDF: 9917261.8/28

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

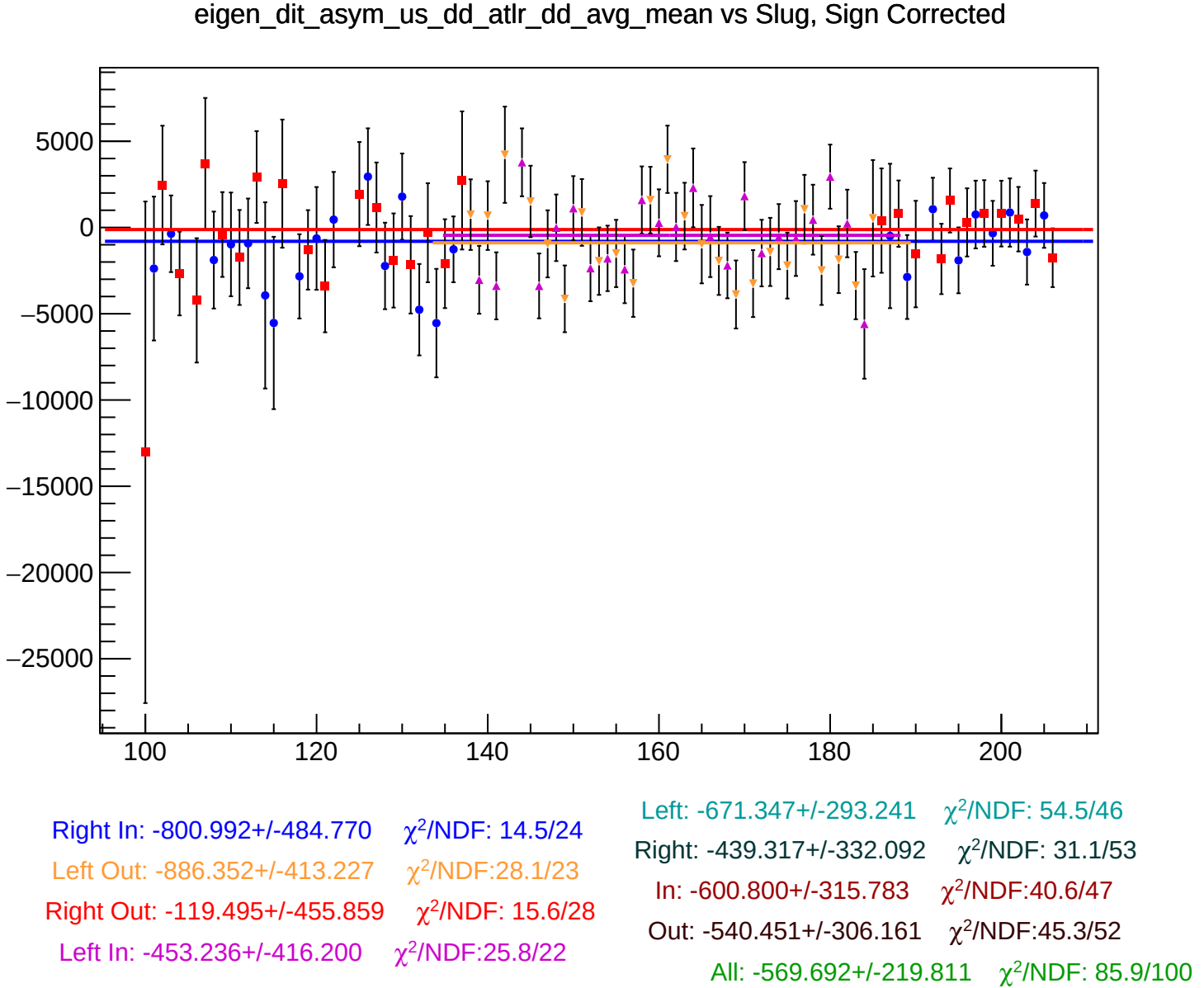
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

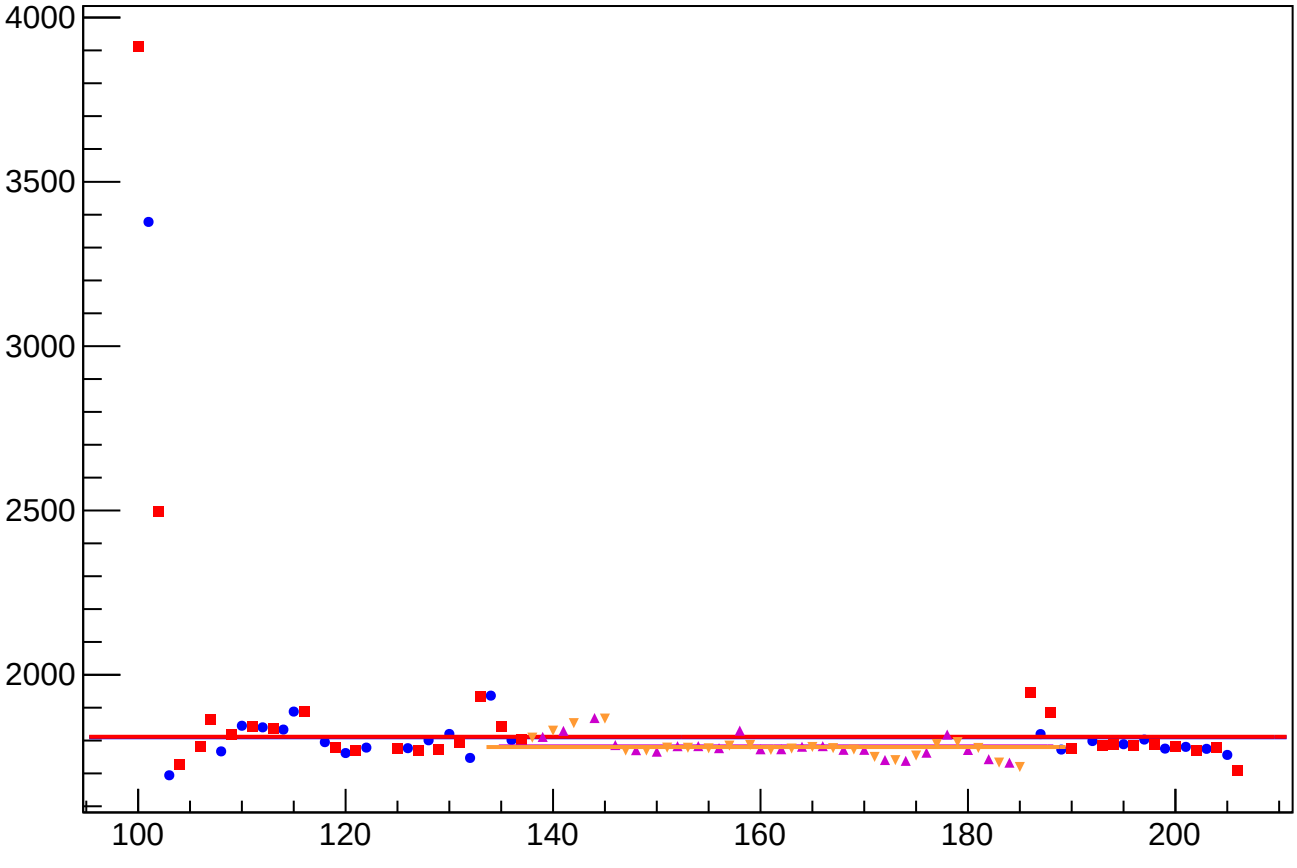
Right: 1278.953+/-0.194 χ^2/NDF: 16527609.3/53

In: 829.372+/-0.113 χ^2/NDF:10766273.8/47

Out: 813.334+/-0.109 χ^2/NDF:13529391.1/52

All: 821.092+/-0.079 χ^2/NDF: 24306048.2/10


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -800.992+/-484.770 χ²/NDF: 14.5/24
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -119.495+/-455.859 χ²/NDF: 15.6/28
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -439.317+/-332.092 χ²/NDF: 31.1/53
In: -600.800+/-315.783 χ²/NDF:40.6/47
Out: -540.451+/-306.161 χ²/NDF:45.3/52
All: -569.692+/-219.811 χ²/NDF: 85.9/100



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.8/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

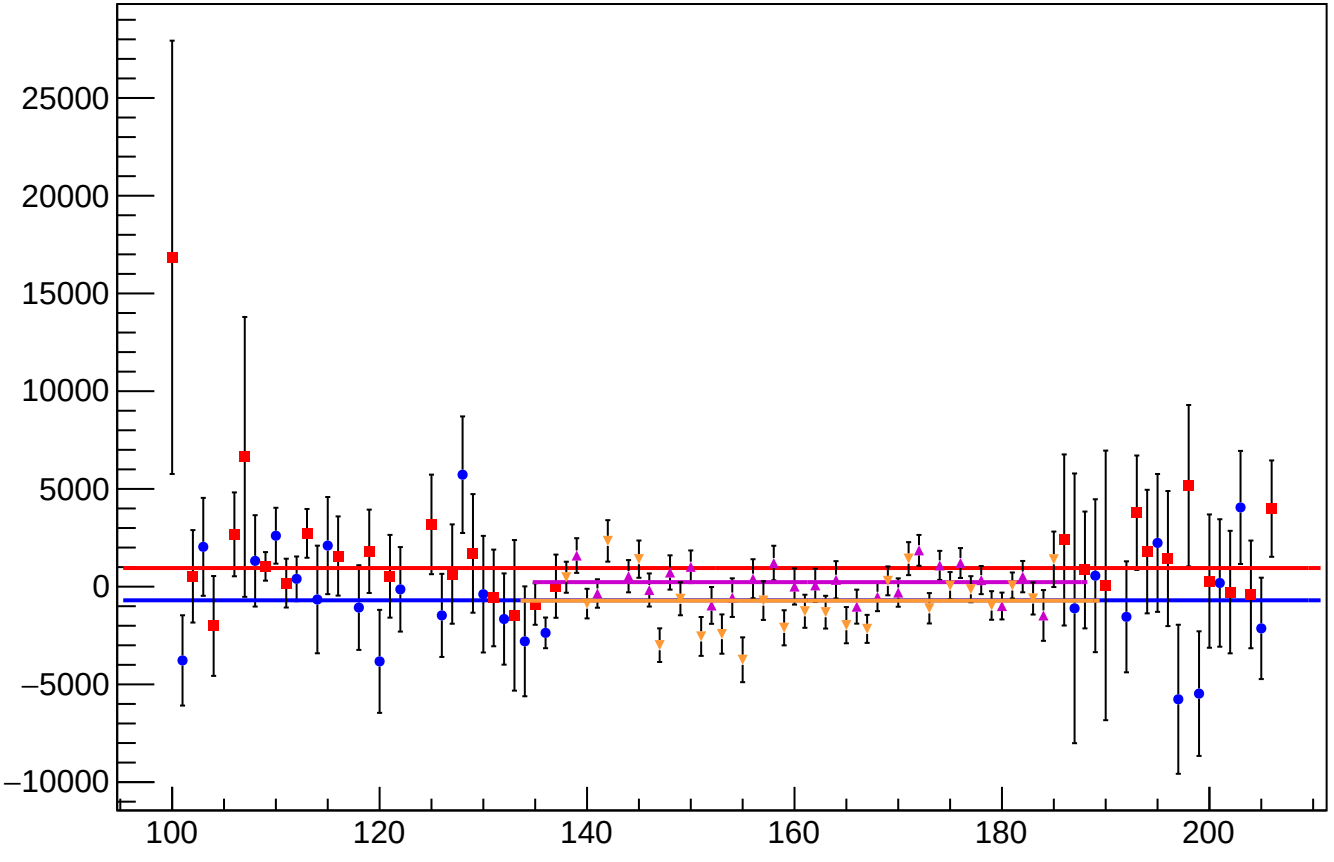
Right: 1810.763+/-0.235 χ^2/NDF: 448660.6/53

In: 1794.036+/-0.223 χ^2/NDF:314560.7/47

Out: 1794.317+/-0.216 χ^2/NDF:164611.2/52

All: 1794.181+/-0.155 χ^2/NDF: 479172.7/100

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -698.343+/-413.459 χ^2/NDF: 30.7/24

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 952.217+/-368.415 χ^2/NDF: 16.5/28

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

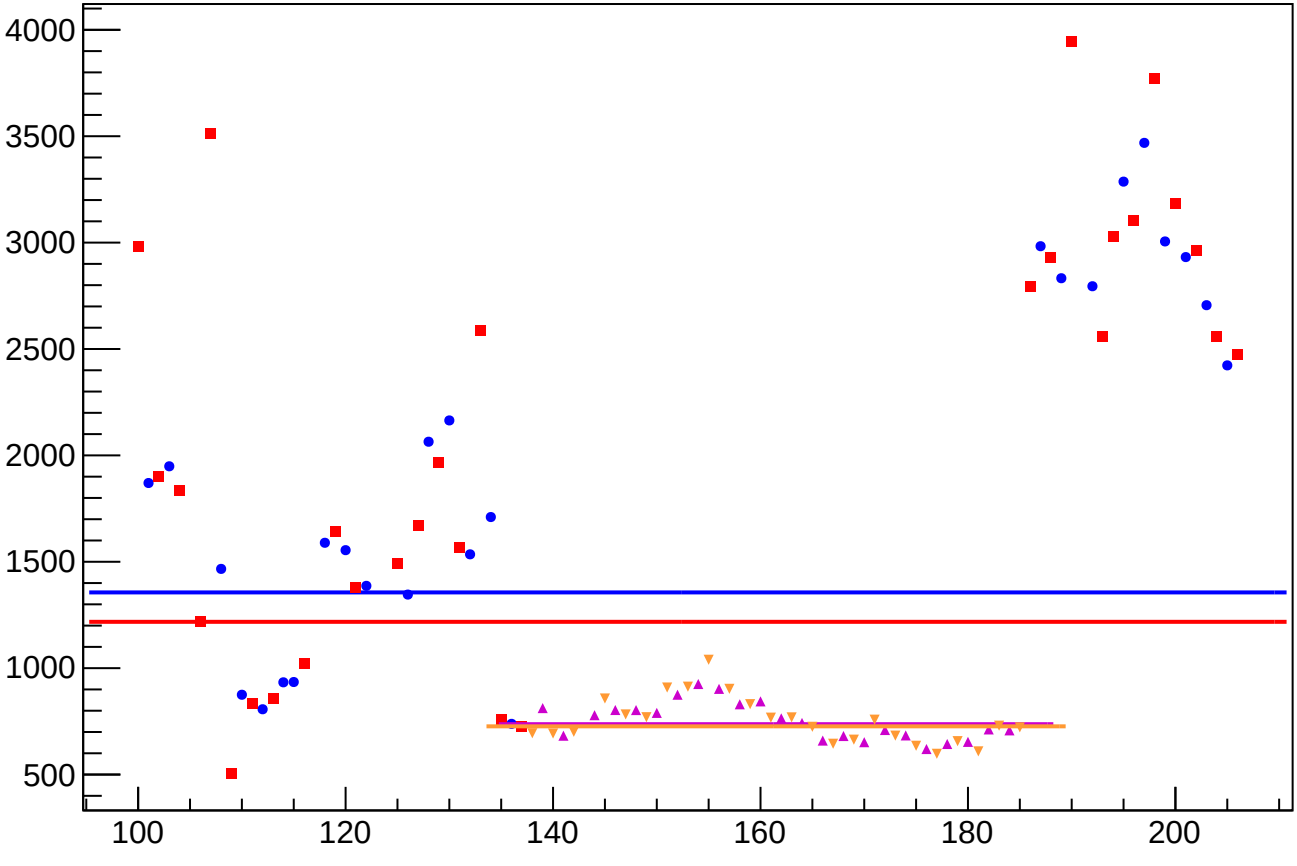
Right: 221.711+/-275.061 χ^2/NDF: 56.1/53

In: 92.213+/-159.934 χ^2/NDF:59.1/47

Out: -421.935+/-154.810 χ^2/NDF:92.8/52

All: -173.230+/-111.235 χ^2/NDF: 157.2/100

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1355.989+/-0.292 χ^2/NDF: 6485751.3/24

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1217.793+/-0.261 χ^2/NDF: 9917222.0/28

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

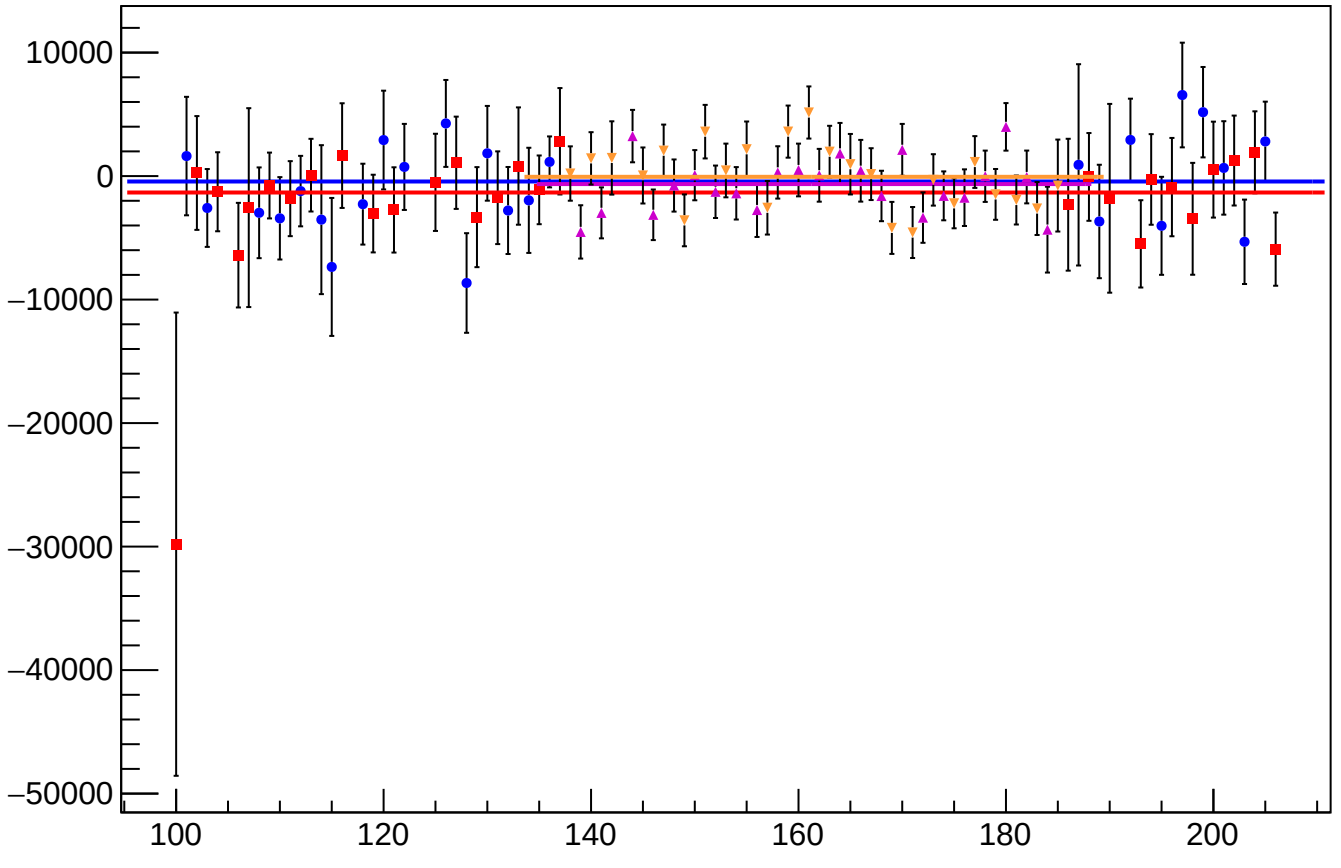
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1278.956+/-0.194 χ^2/NDF: 16527521.3/53

In: 829.372+/-0.113 χ^2/NDF:10766273.9/47

Out: 813.335+/-0.109 χ^2/NDF:13529369.4/52

All: 821.092+/-0.079 χ^2/NDF: 24306025.5/10



Right In: -437.974+/-724.085 χ^2/NDF: 23.0/24

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1329.898+/-696.058 χ^2/NDF: 12.9/28

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

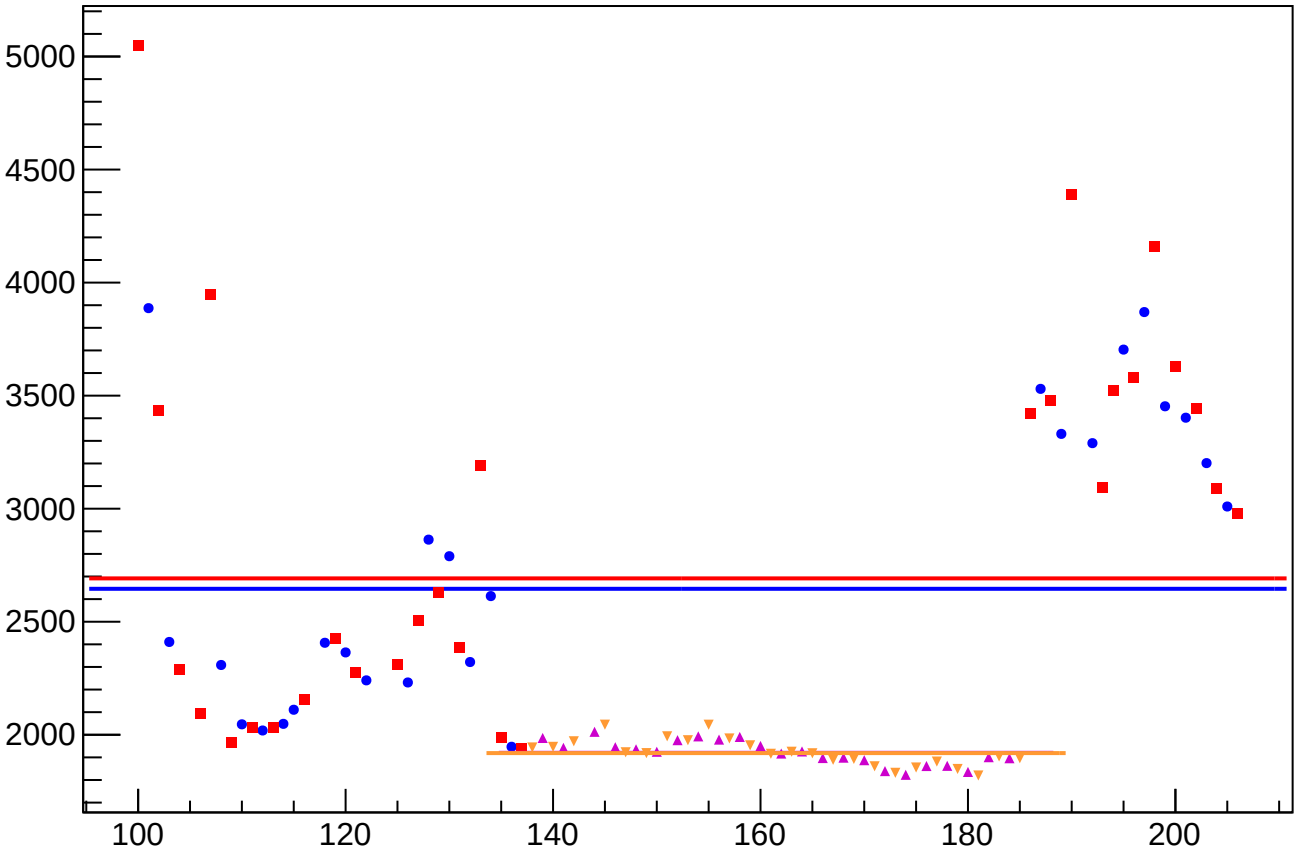
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -901.532+/-501.803 χ^2/NDF: 36.7/53

In: -588.969+/-381.307 χ^2/NDF:46.7/47

Out: -428.860+/-375.287 χ^2/NDF:48.3/52

All: -507.641+/-267.471 χ^2/NDF: 95.1/100



Right In: 2645.653+/-0.512 χ^2/NDF: 1398551.4/24

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2691.714+/-0.492 χ^2/NDF: 1793359.6/28

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

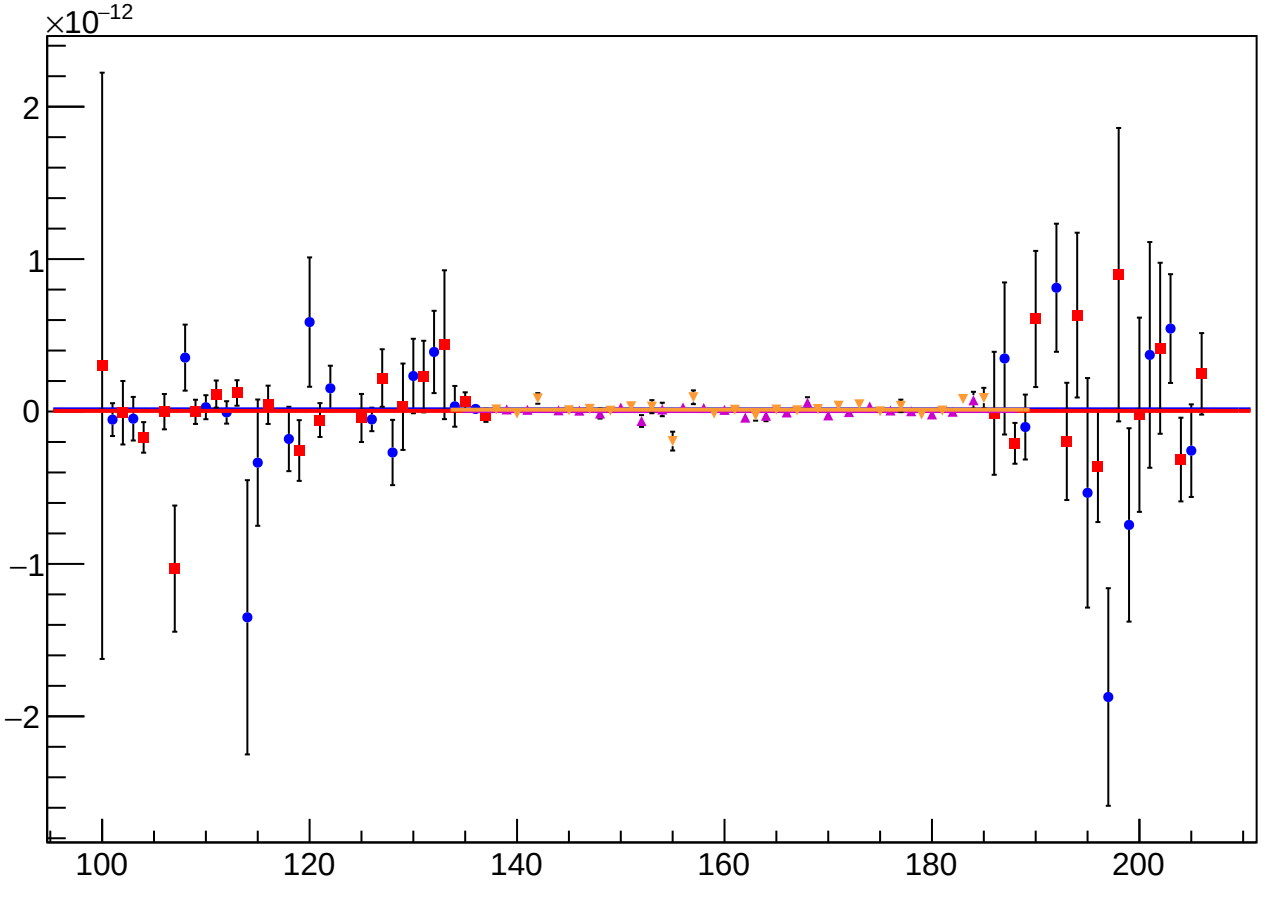
Right: 2669.592+/-0.355 χ^2/NDF: 3196117.4/53

In: 2121.388+/-0.270 χ^2/NDF:2879248.4/47

Out: 2143.608+/-0.265 χ^2/NDF:3577339.3/52

All: 2132.675+/-0.189 χ^2/NDF: 6460037.3/10

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/28

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

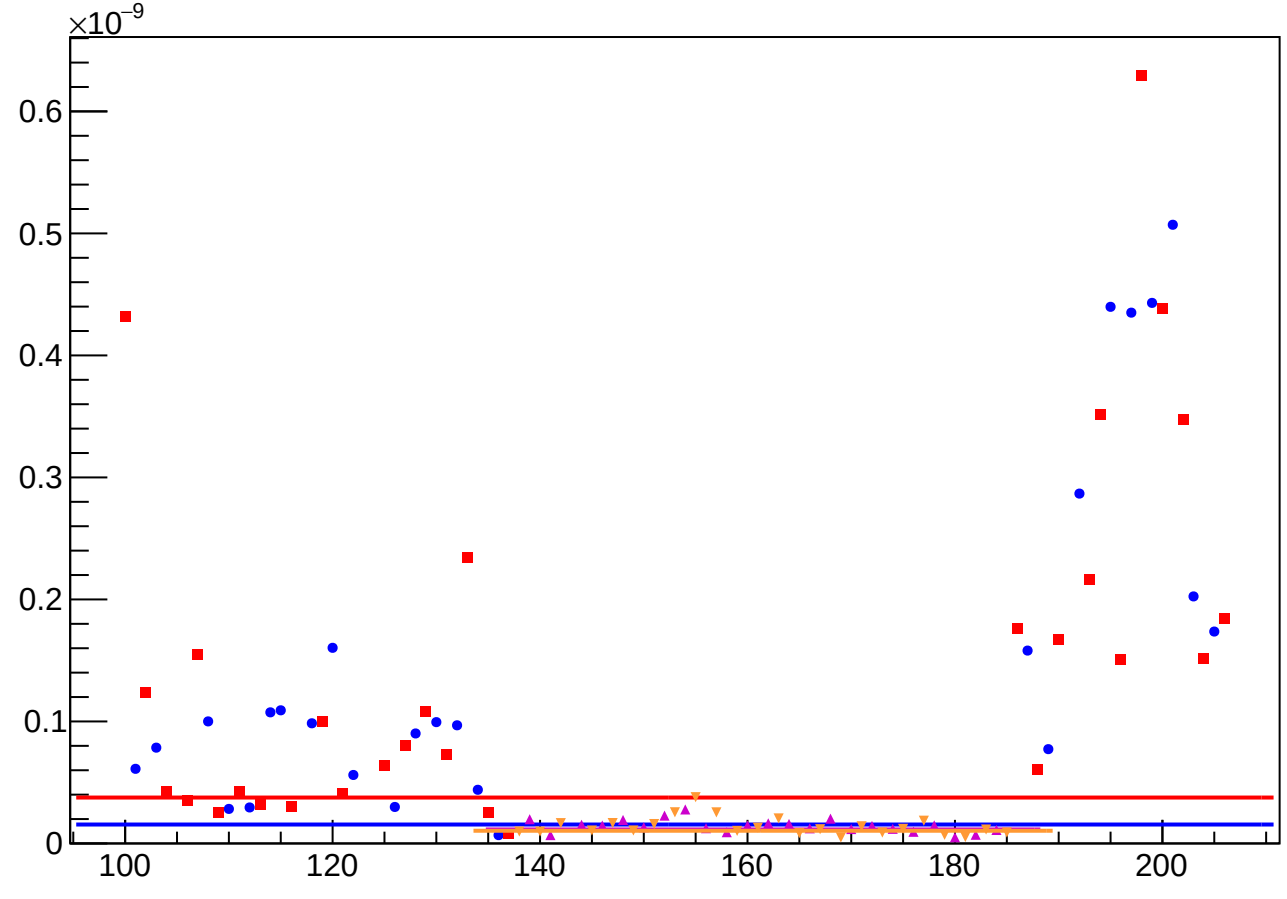
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 61.8/53

In: 0.000+/-0.000 χ^2/NDF:51.6/47

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 121.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 8827765.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7386683.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

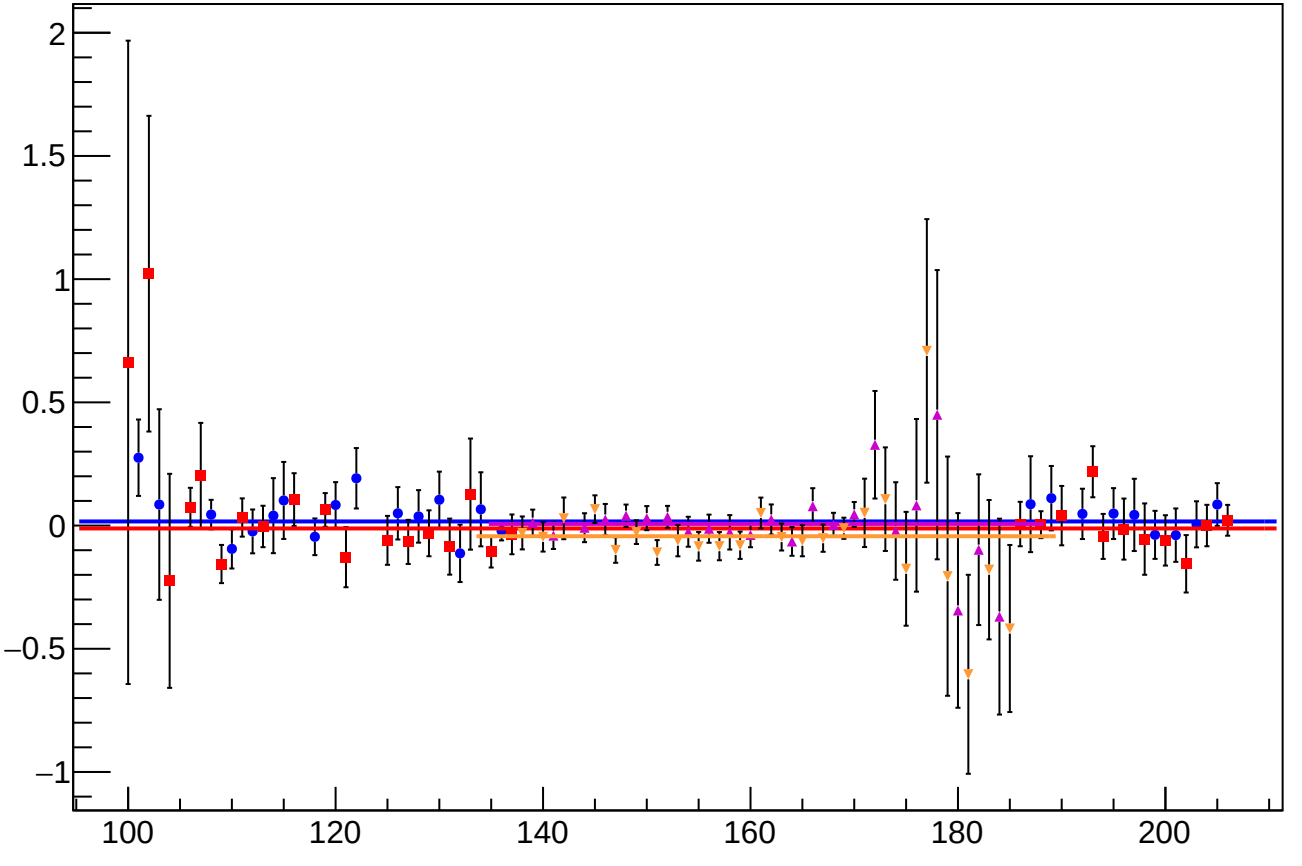
Right: 0.000+/-0.000 χ^2/NDF: 17542104.6/53

In: 0.000+/-0.000 χ^2/NDF:10872838.4/47

Out: 0.000+/-0.000 χ^2/NDF:12081417.4/52

All: 0.000+/-0.000 χ^2/NDF: 22963211.6/100

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

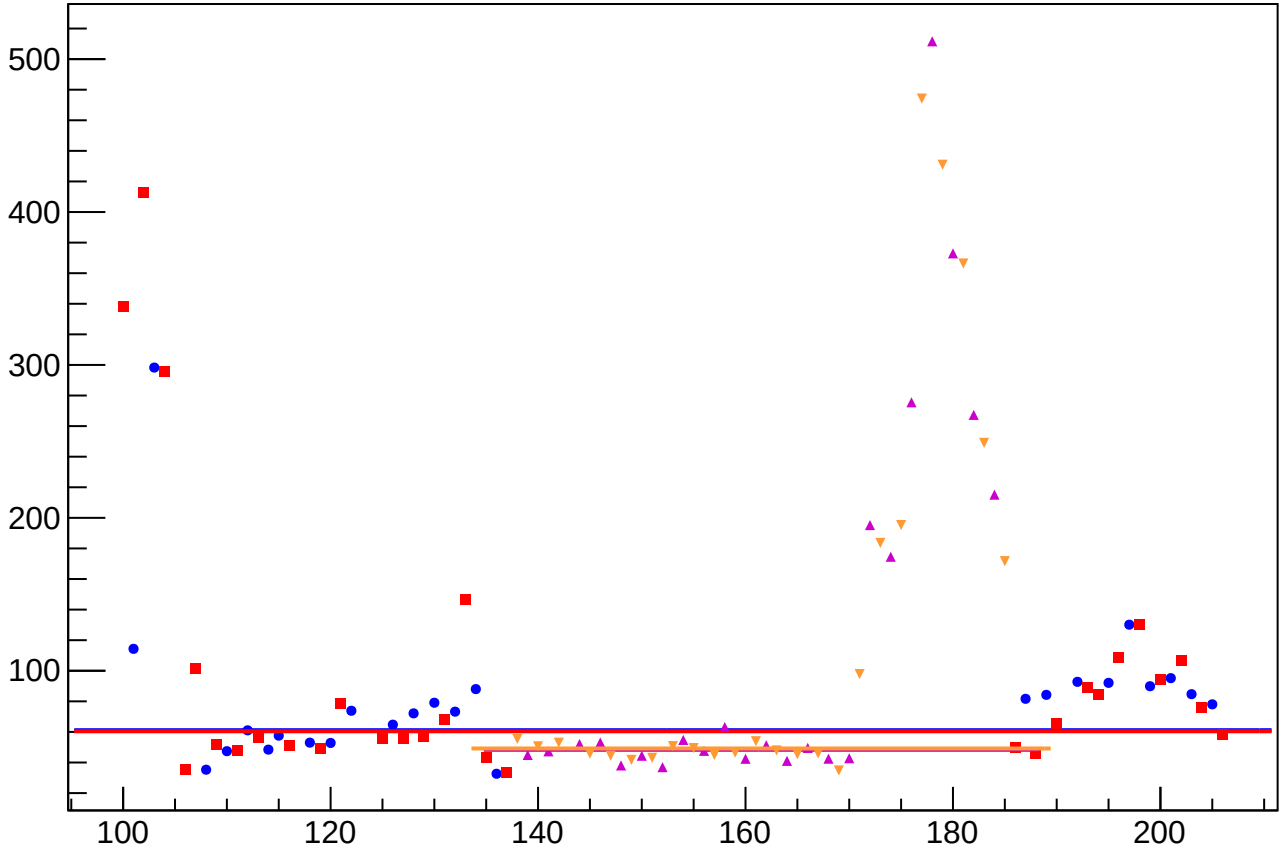
Right: 0.001+/-0.013 χ^2/NDF: 38.8/53

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.011+/-0.008 χ^2/NDF: 77.0/100

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

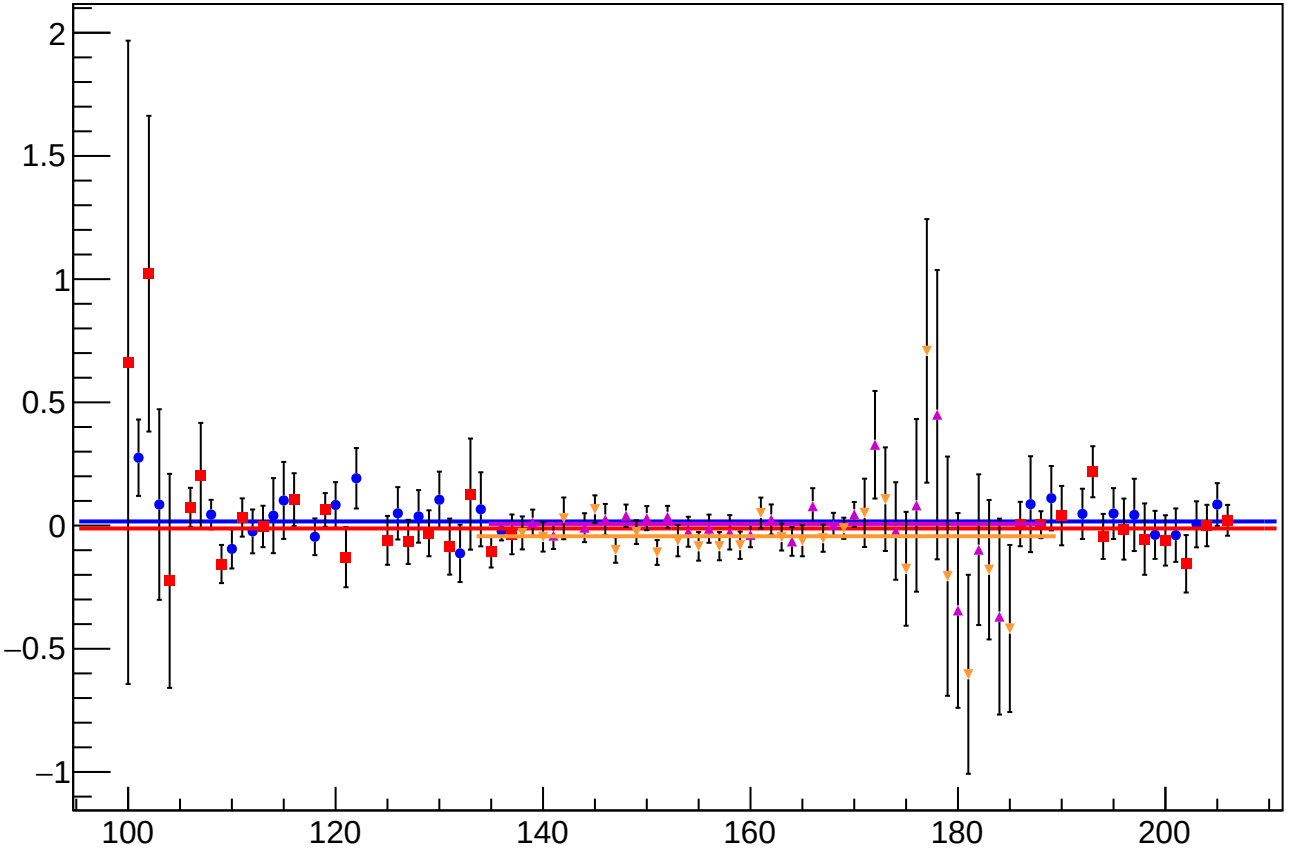
Right: 60.755+/-0.009 χ^2/NDF: 8474484.5/53

In: 52.701+/-0.008 χ^2/NDF:11857634.7/47

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.131+/-0.005 χ^2/NDF: 23895219.0/100

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

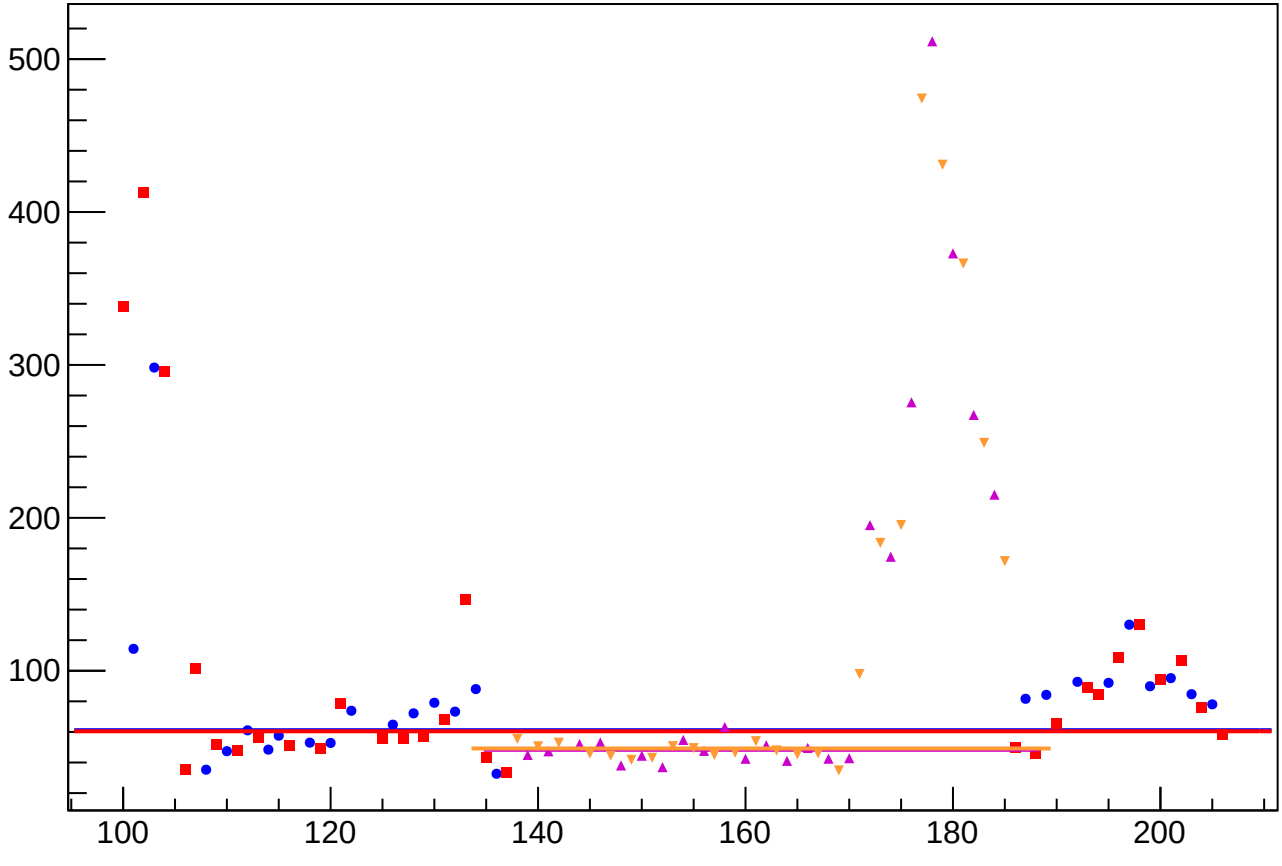
Right: 0.001+/-0.013 χ^2/NDF: 38.8/53

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.011+/-0.008 χ^2/NDF: 77.0/100

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

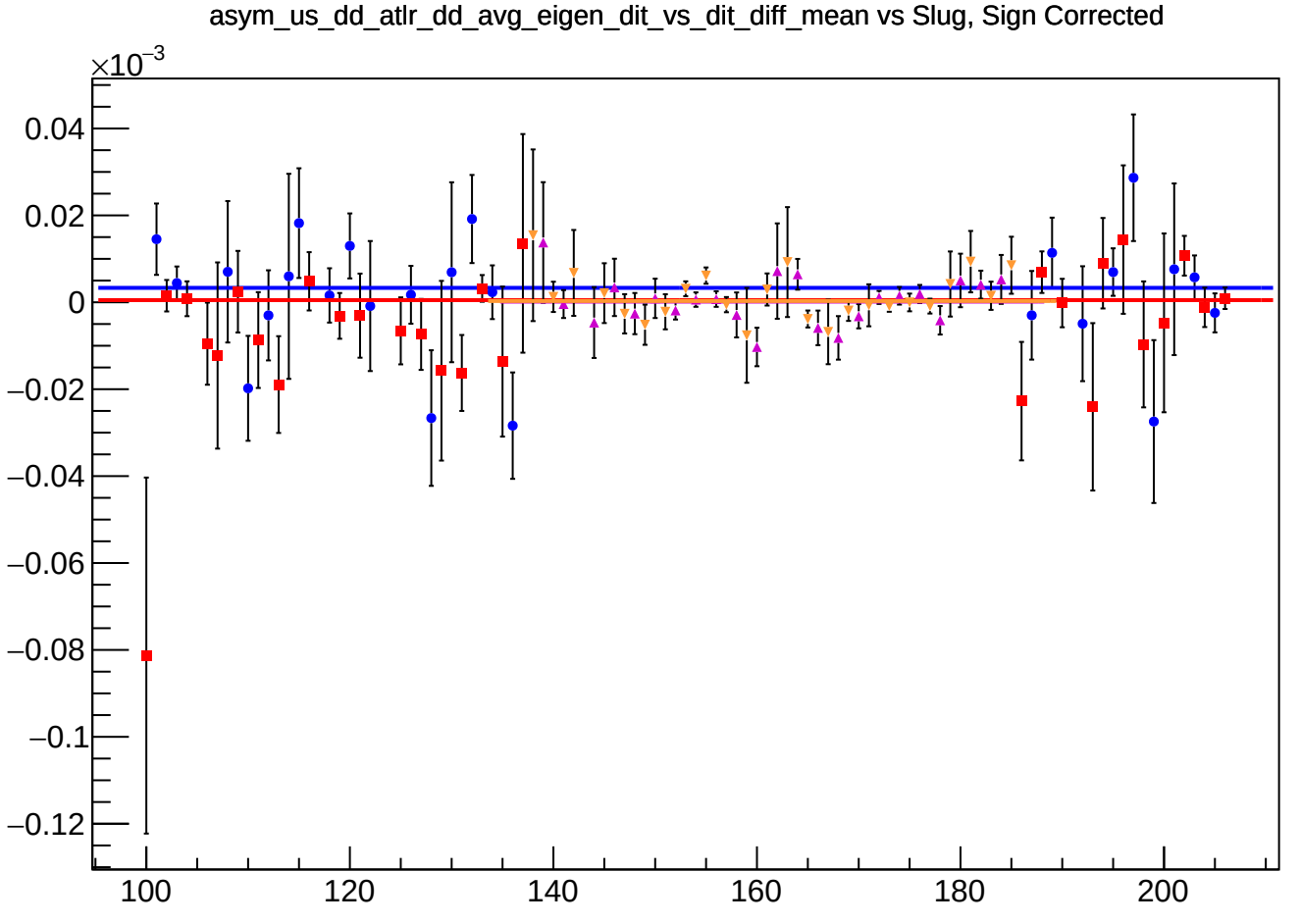
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.755+/-0.009 χ^2/NDF: 8474484.5/53

In: 52.701+/-0.008 χ^2/NDF:11857634.7/47

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.131+/-0.005 χ^2/NDF: 23895219.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/28

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

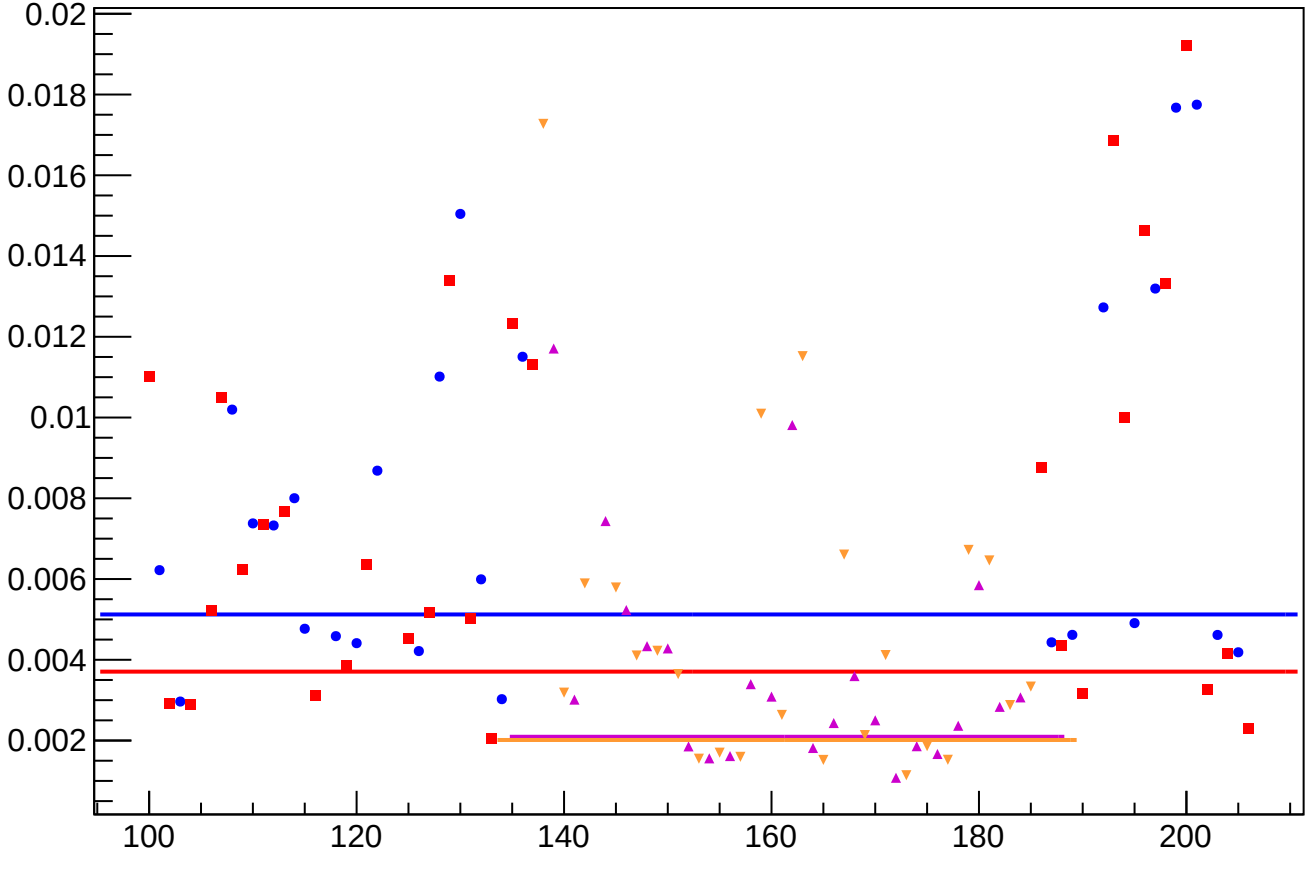
Right: 0.000+/-0.000 χ^2/NDF: 65.7/53

In: 0.000+/-0.000 χ^2/NDF:60.8/47

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: 0.000+/-0.000 χ^2/NDF: 121.3/100

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5895060.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 8616952.5/28

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

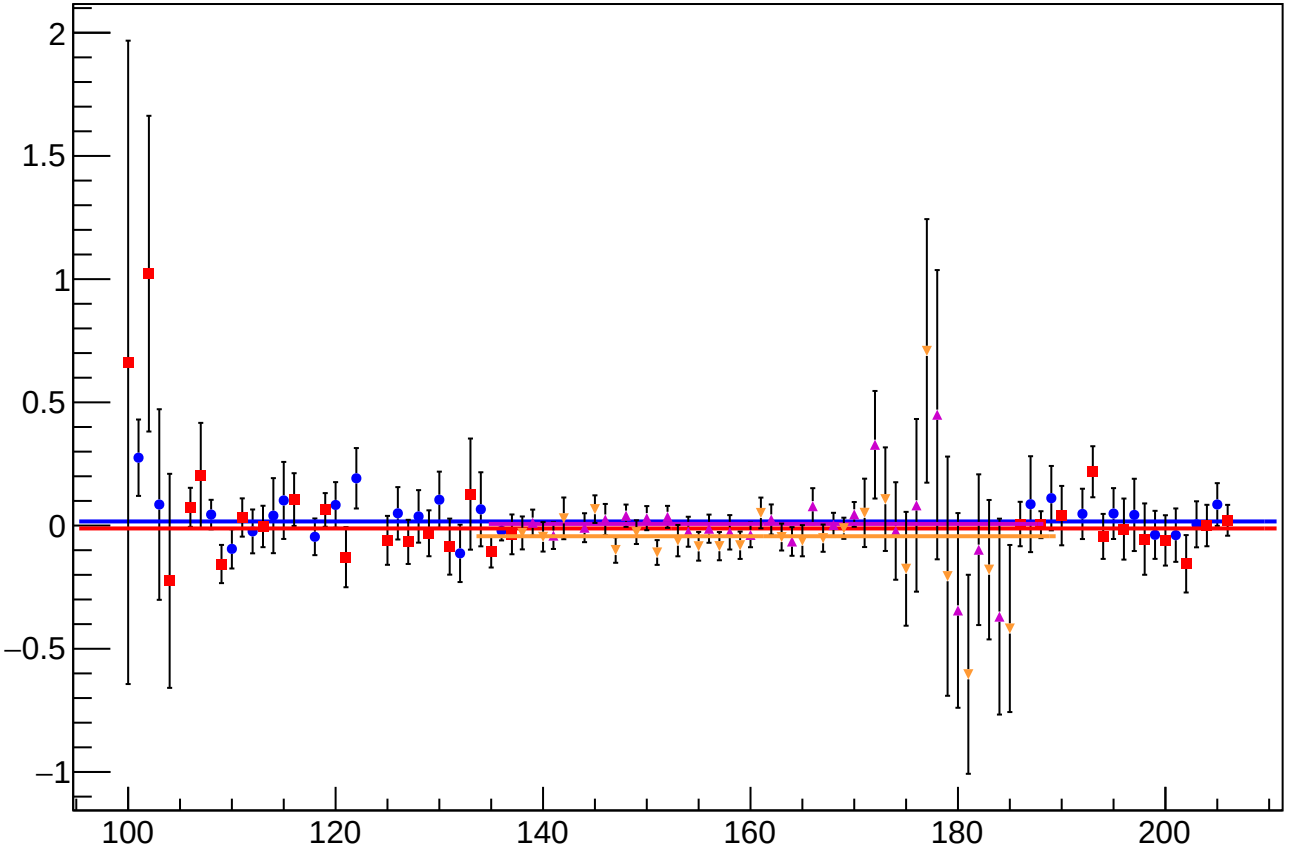
Right: 0.004+/-0.000 χ^2/NDF: 15558145.2/53

In: 0.002+/-0.000 χ^2/NDF:19357579.2/47

Out: 0.002+/-0.000 χ^2/NDF:22418605.0/52

All: 0.002+/-0.000 χ^2/NDF: 41834178.8/100

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

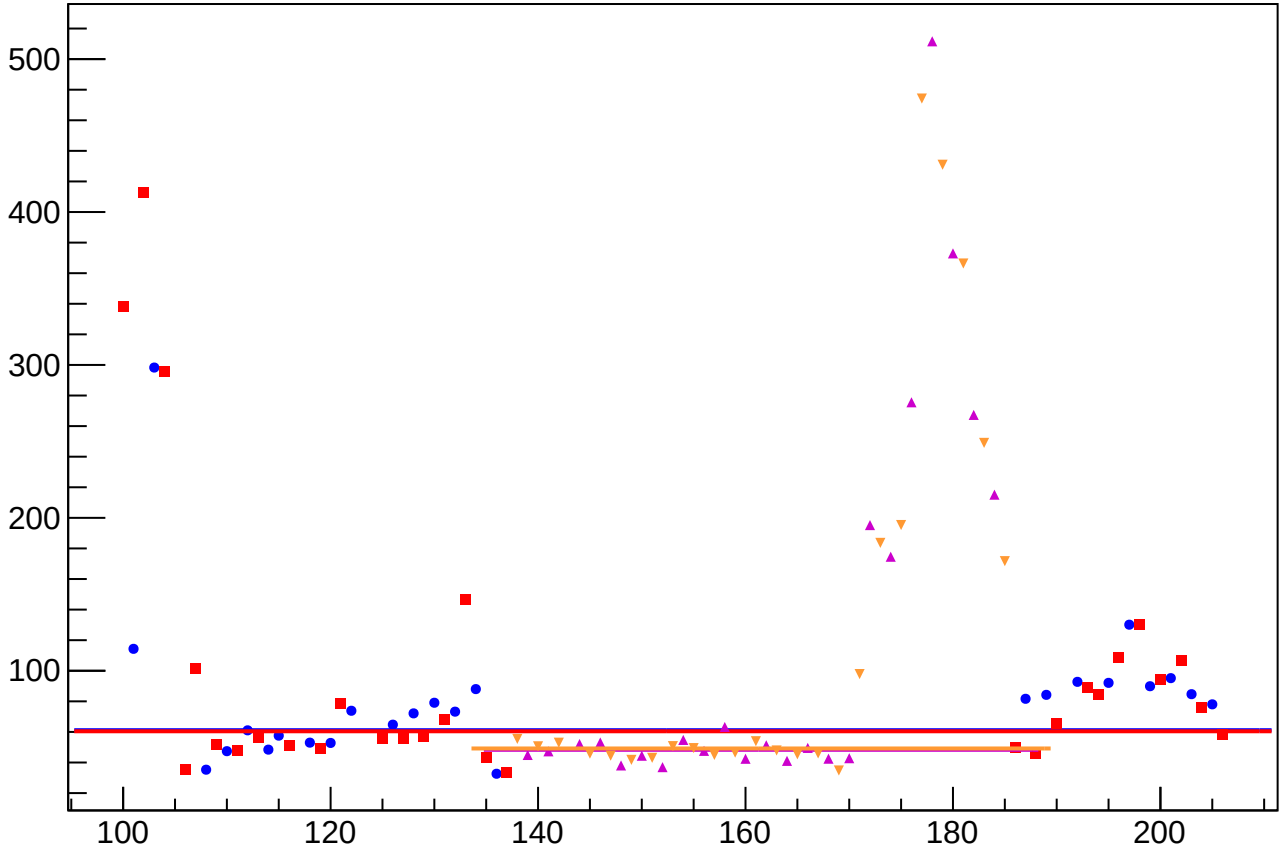
Right: 0.001+/-0.013 χ^2/NDF: 38.8/53

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.011+/-0.008 χ^2/NDF: 77.0/100

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

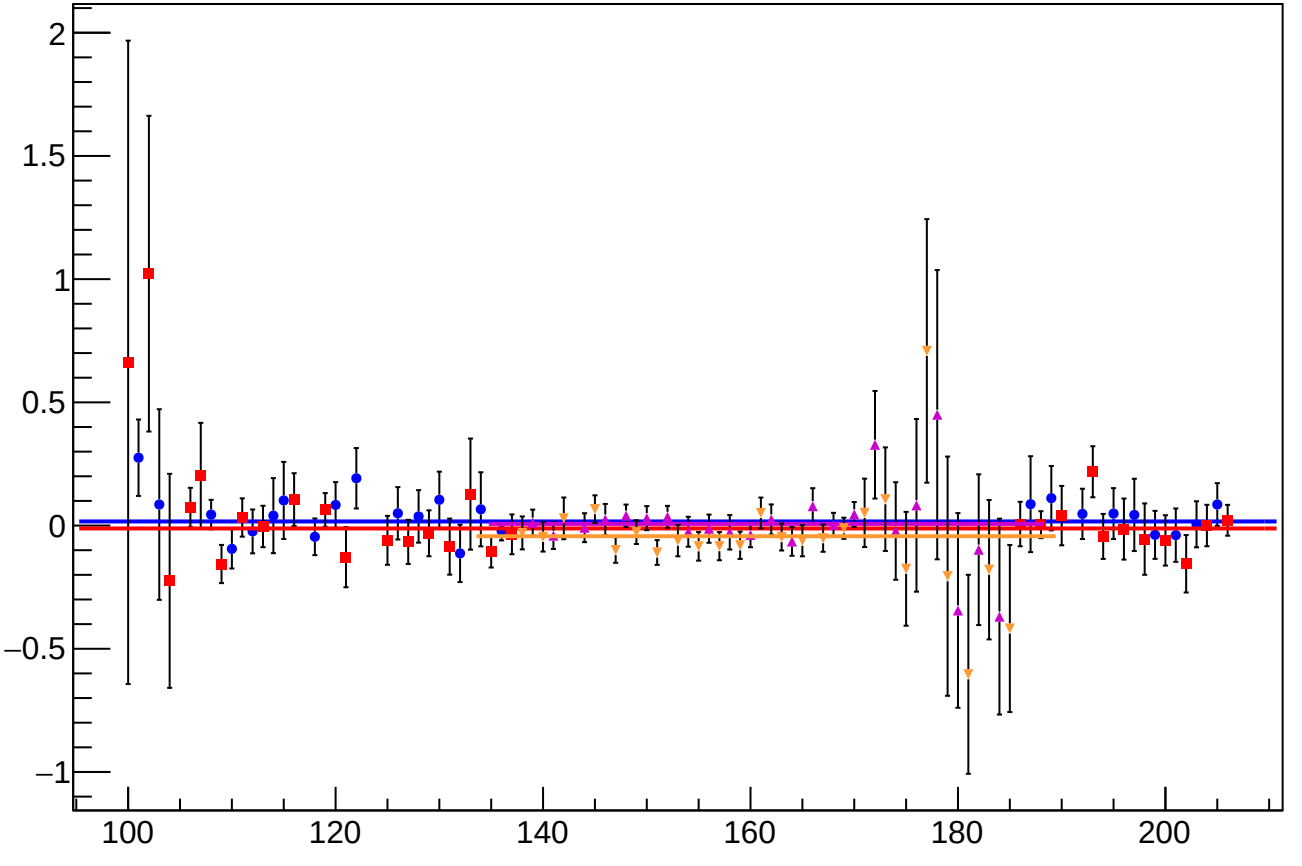
Right: 60.756+/-0.009 χ^2/NDF: 8474179.9/53

In: 52.701+/-0.008 χ^2/NDF:11857397.3/47

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.131+/-0.005 χ^2/NDF: 23894938.3/100

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

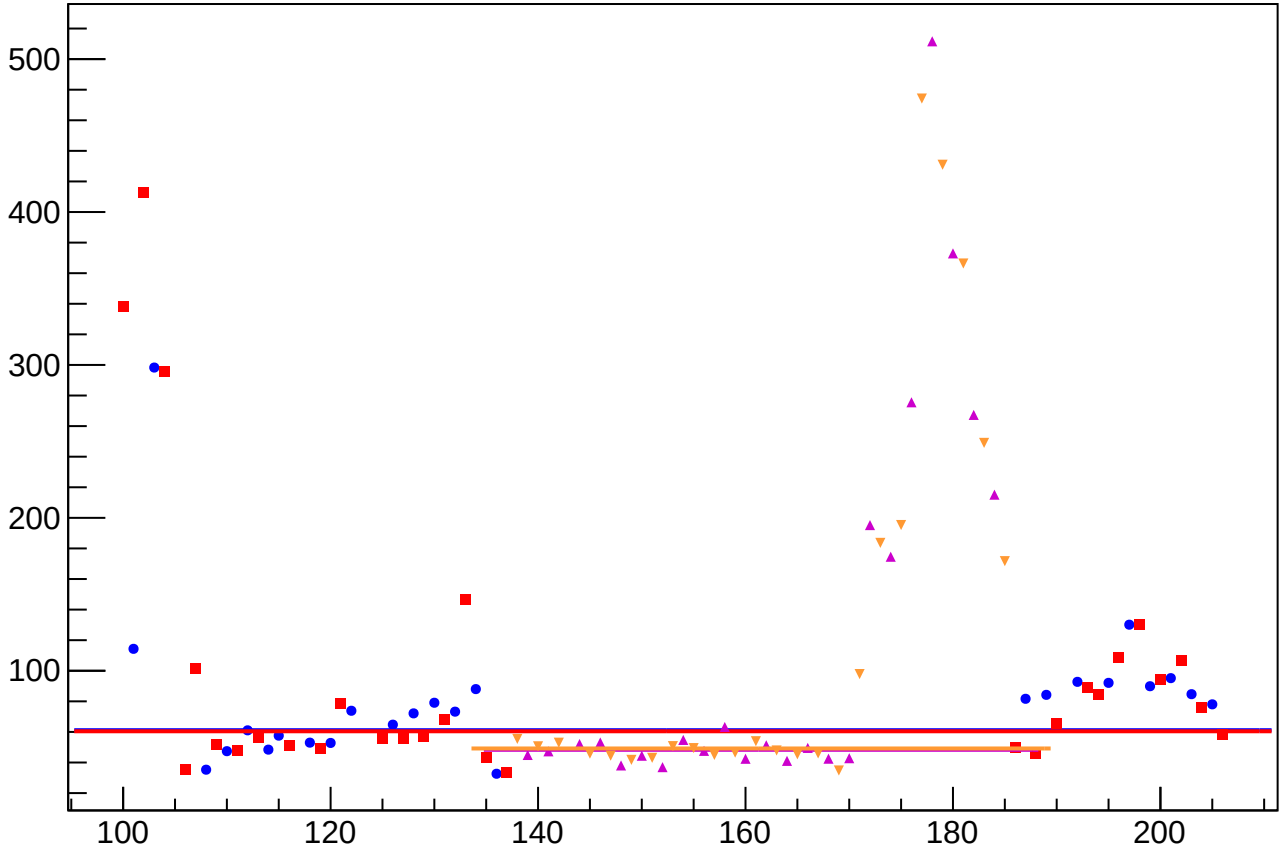
Right: 0.001+/-0.013 χ^2/NDF: 38.8/53

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.011+/-0.008 χ^2/NDF: 77.0/100

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

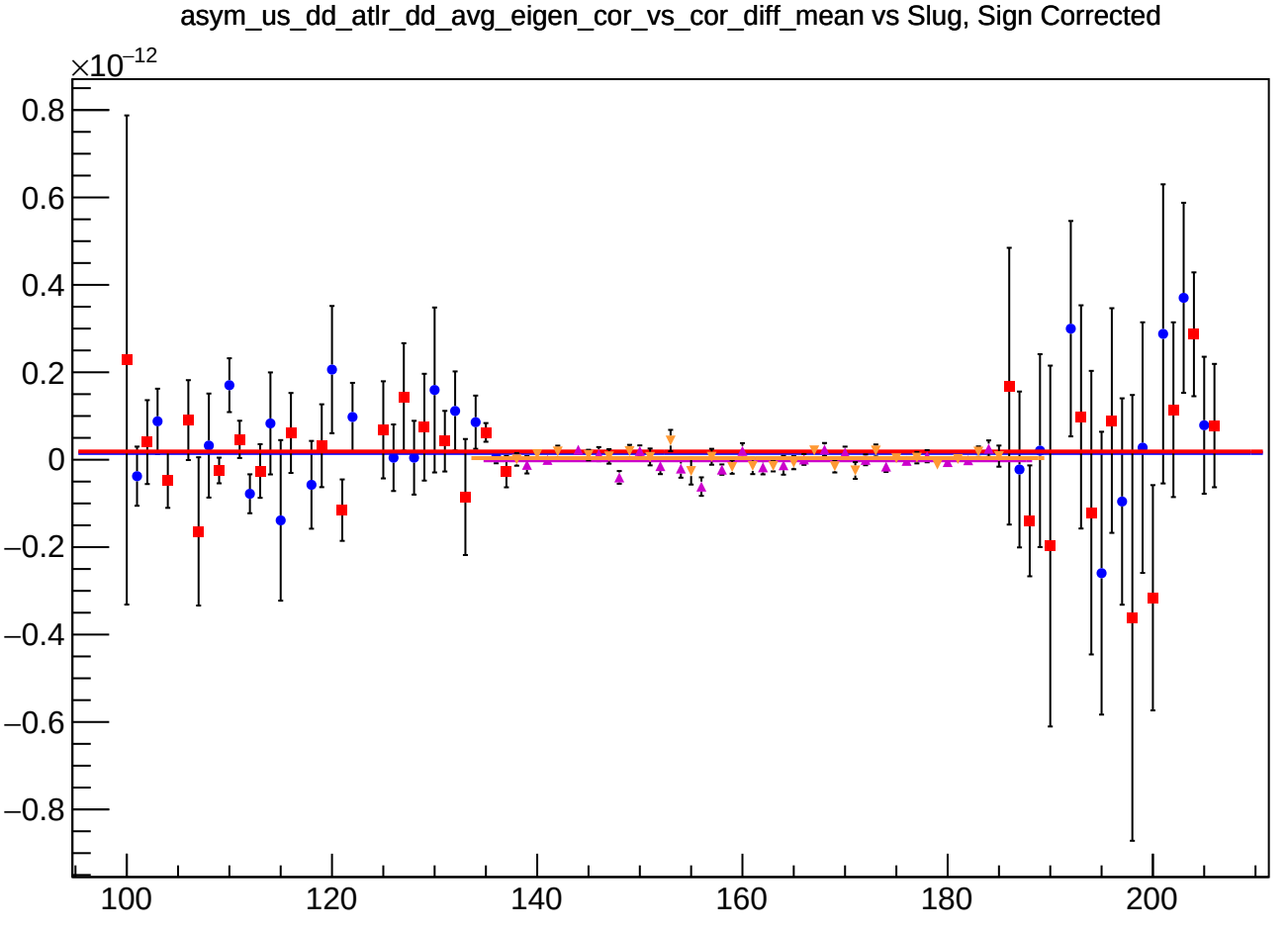
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

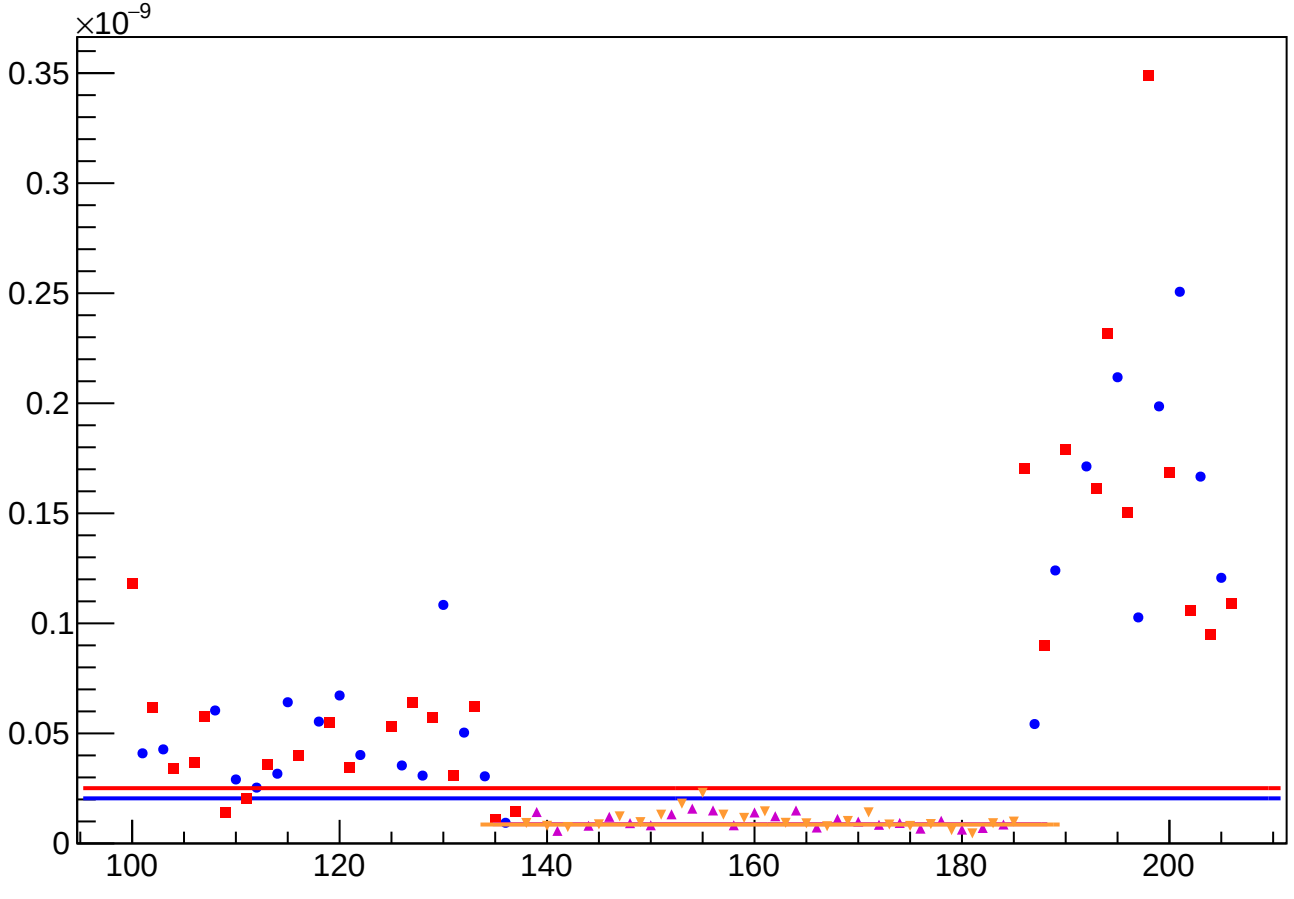
Right: 60.756+/-0.009 χ^2/NDF: 8474179.9/53

In: 52.701+/-0.008 χ^2/NDF:11857397.3/47

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.131+/-0.005 χ^2/NDF: 23894938.3/100


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.1/24
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.7/28
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 52.8/53
In: -0.000+/-0.000 χ²/NDF:68.3/47
Out: 0.000+/-0.000 χ²/NDF:52.7/52
All: 0.000+/-0.000 χ²/NDF: 122.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 9105199.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8842162.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

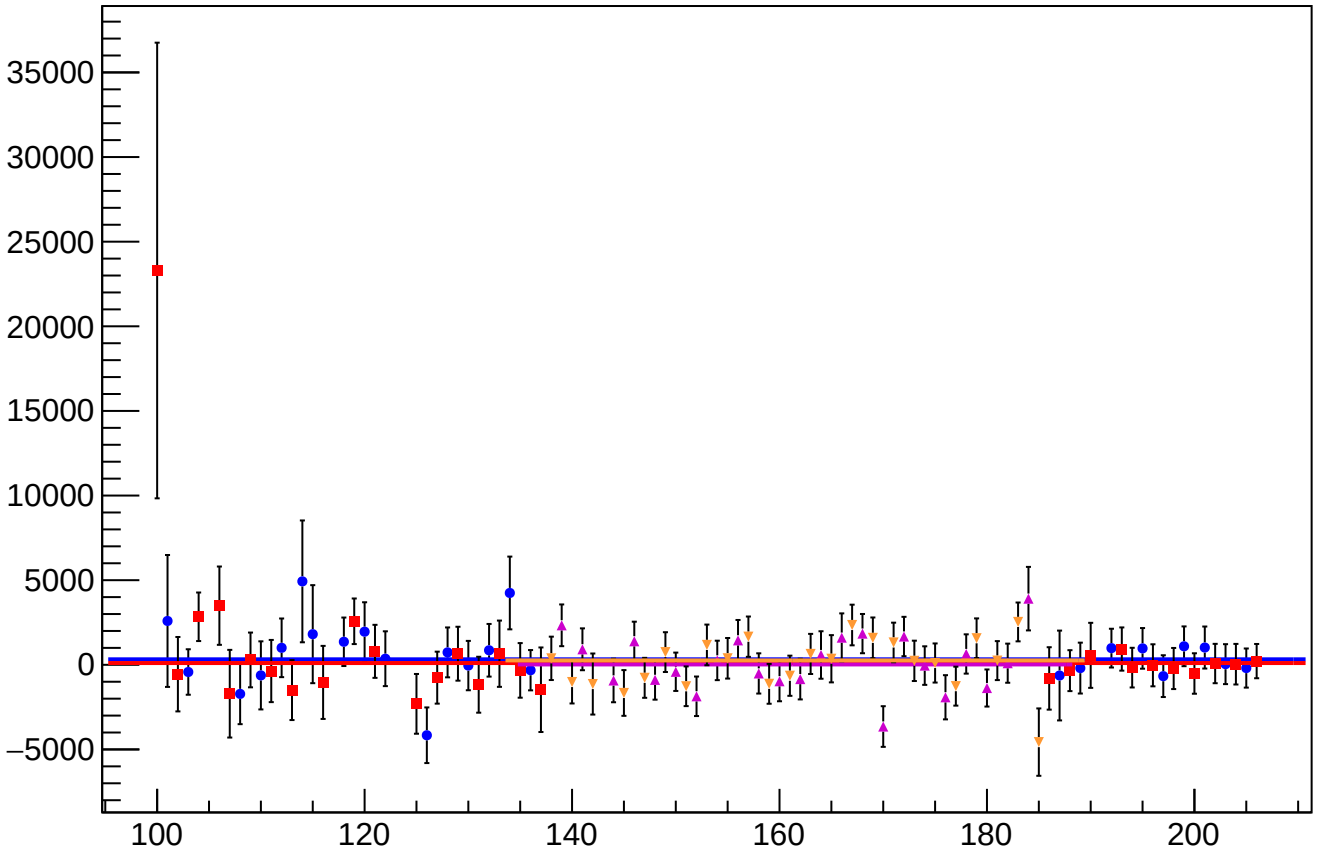
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 18102355.3/53

In: 0.000+/-0.000 χ^2/NDF:13134517.5/47

Out: 0.000+/-0.000 χ^2/NDF:14795163.6/52

All: 0.000+/-0.000 χ^2/NDF: 27930266.0/100



Right In: 324.496+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 104.404+/-282.347 χ^2/NDF: 18.8/28

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

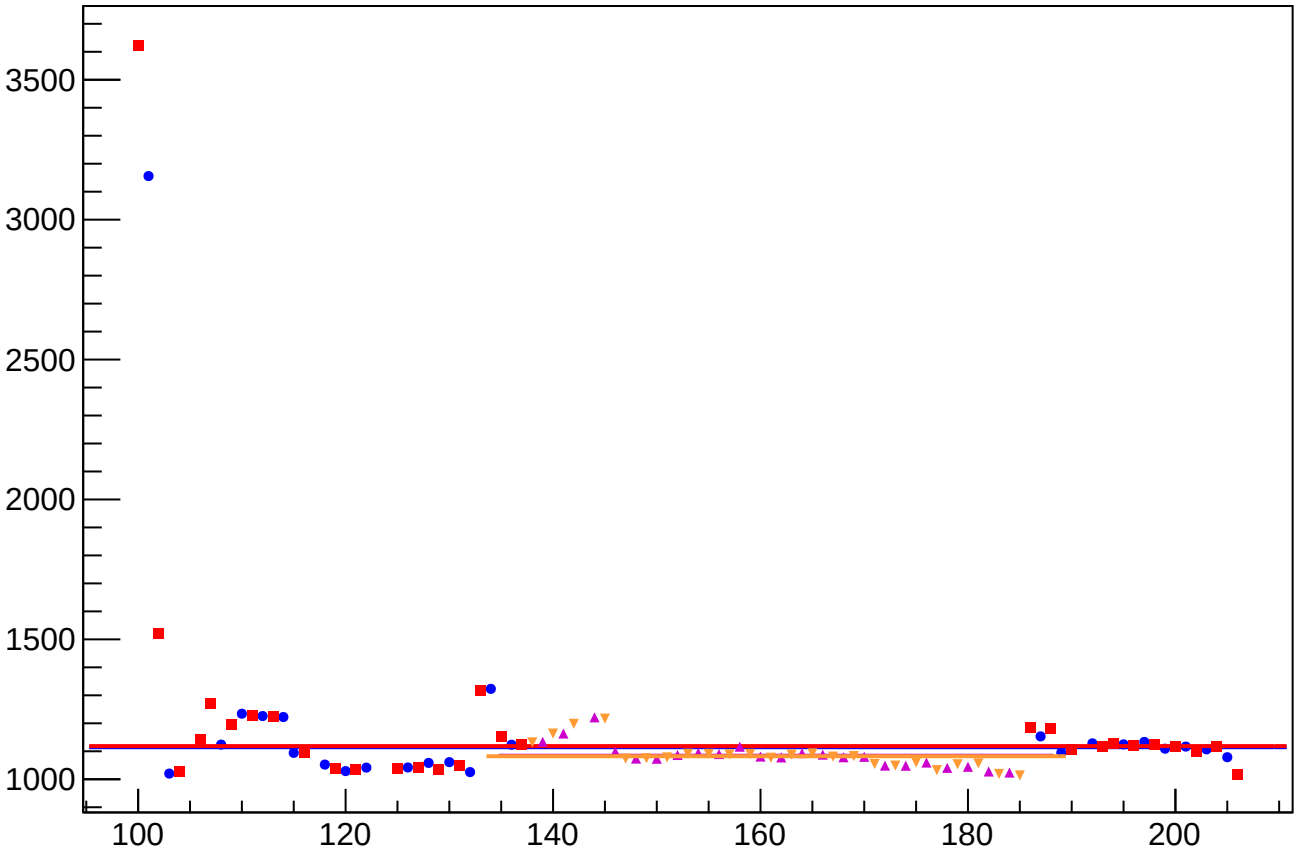
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 207.646+/-205.729 χ^2/NDF: 38.5/53

In: 147.946+/-193.655 χ^2/NDF:55.9/47

Out: 191.556+/-187.759 χ^2/NDF:47.2/52

All: 170.425+/-134.802 χ^2/NDF: 103.1/100



Right In: 1114.608+/-0.212 χ^2/NDF: 627139.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.545+/-0.200 χ^2/NDF: 251516.3/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

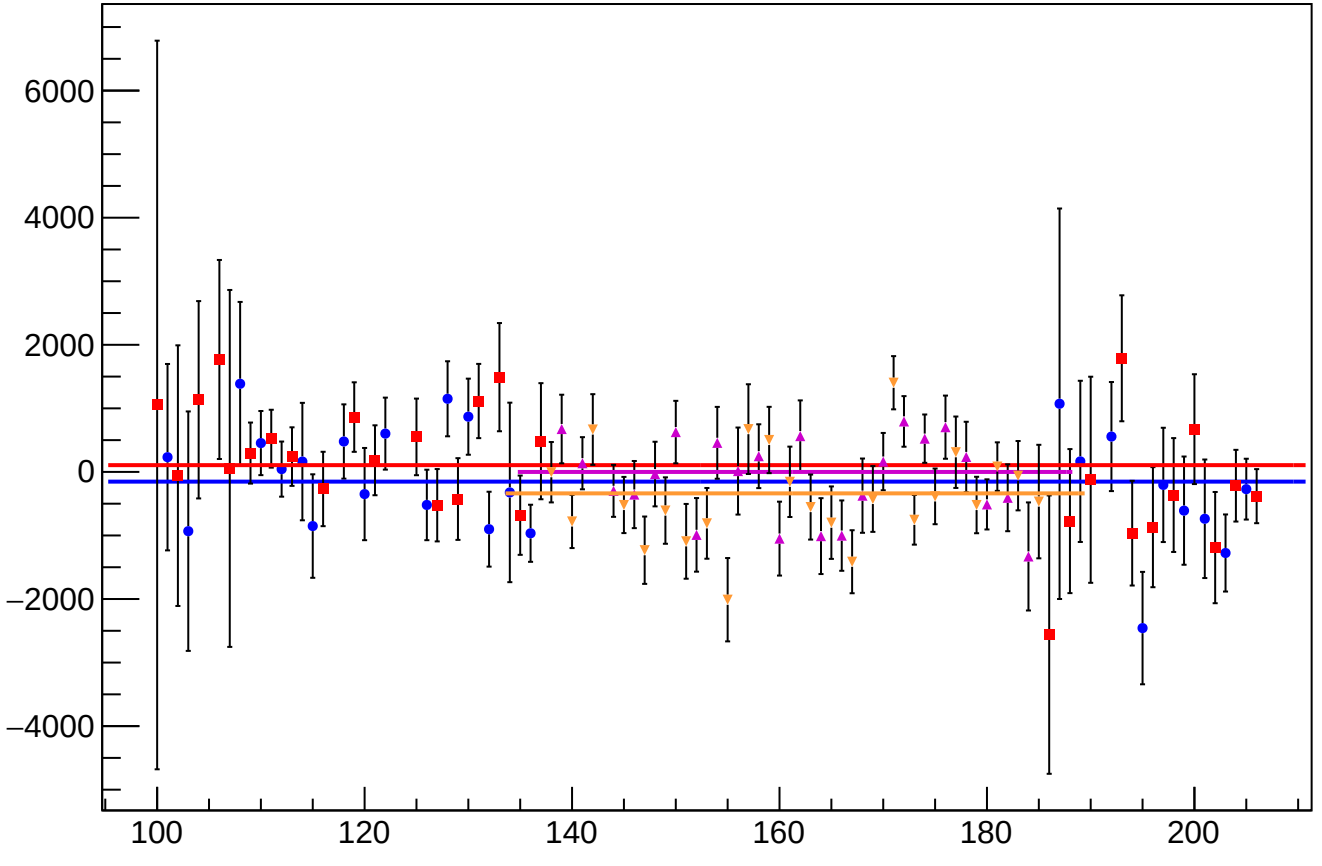
Right: 1116.698+/-0.145 χ^2/NDF: 878837.8/53

In: 1096.819+/-0.137 χ^2/NDF:692581.9/47

Out: 1098.332+/-0.133 χ^2/NDF:327765.2/52

All: 1097.599+/-0.095 χ^2/NDF: 1020410.0/10

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -152.852+/-137.777 χ^2/NDF: 32.2/24

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 106.432+/-130.709 χ^2/NDF: 27.2/28

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

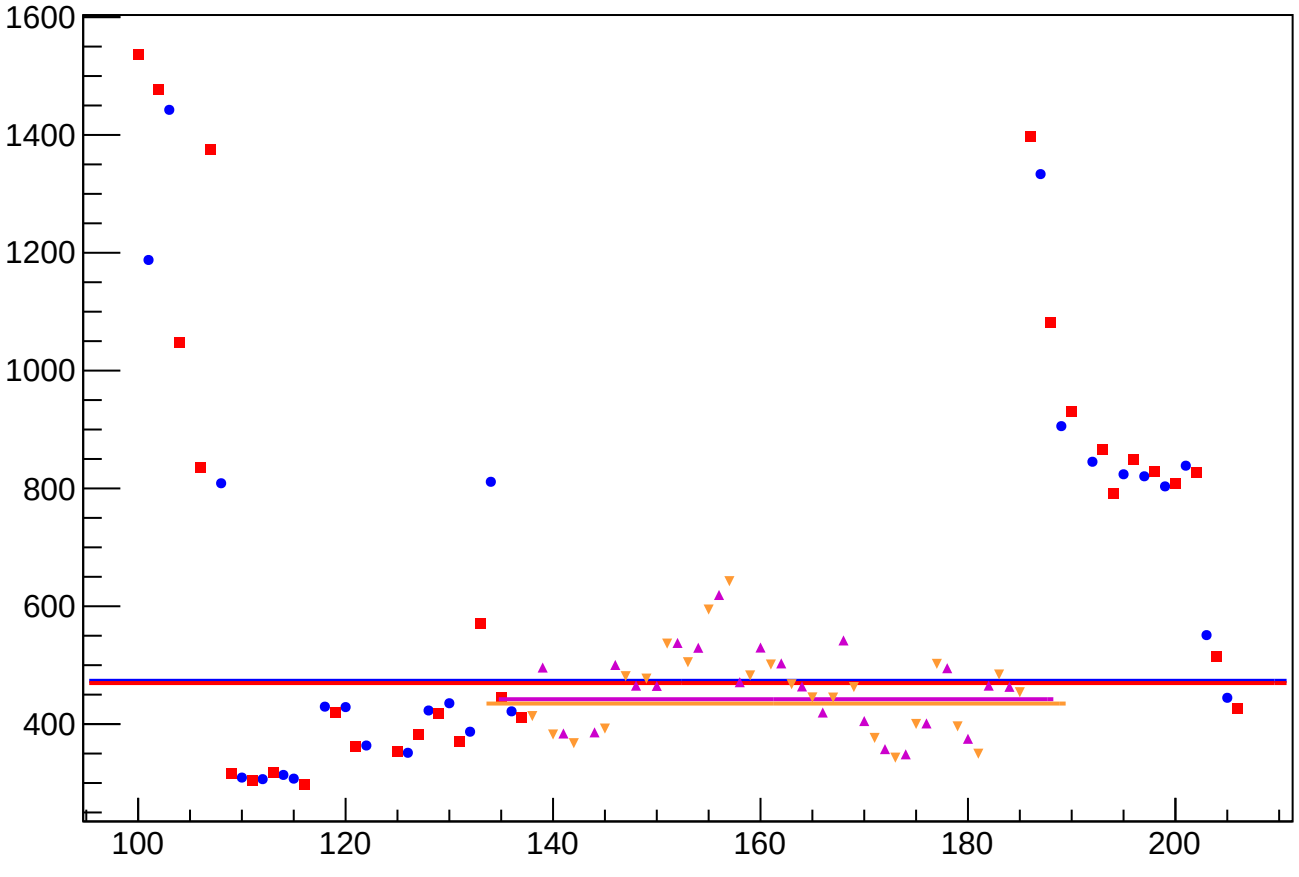
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: -16.389+/-94.825 χ^2/NDF: 61.2/53

In: -56.325+/-83.378 χ^2/NDF:64.8/47

Out: -168.391+/-80.707 χ^2/NDF:83.1/52

All: -114.182+/-57.990 χ^2/NDF: 148.8/100



Right In: 473.456+/-0.097 χ^2/NDF: 4212391.5/24

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 469.634+/-0.092 χ^2/NDF: 5376286.8/28

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

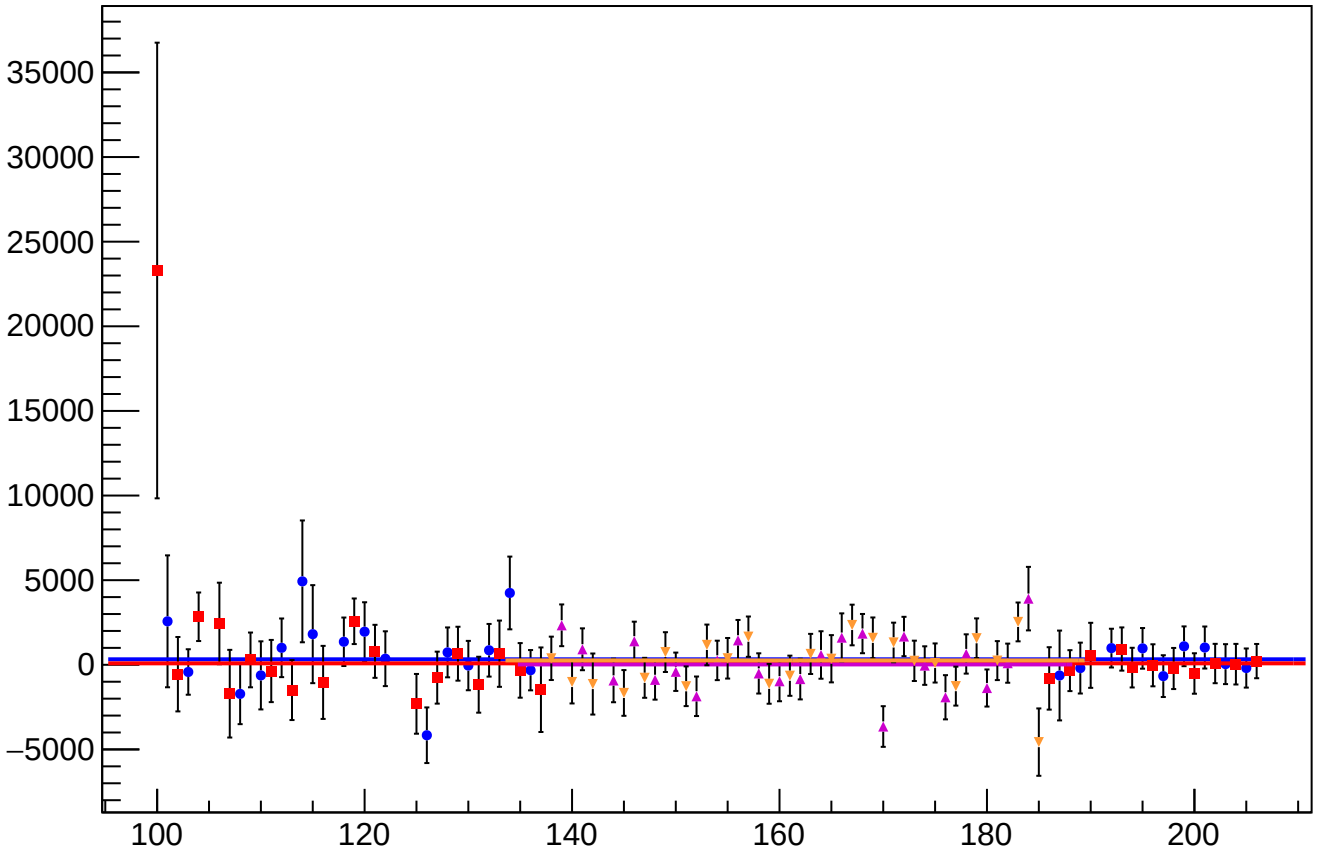
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 471.445+/-0.067 χ^2/NDF: 9589488.2/53

In: 453.652+/-0.059 χ^2/NDF:5103562.3/47

Out: 448.117+/-0.057 χ^2/NDF:6342300.3/52

All: 450.794+/-0.041 χ^2/NDF: 11450413.7/10



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 86.007+/-282.509 χ^2/NDF: 17.6/28

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

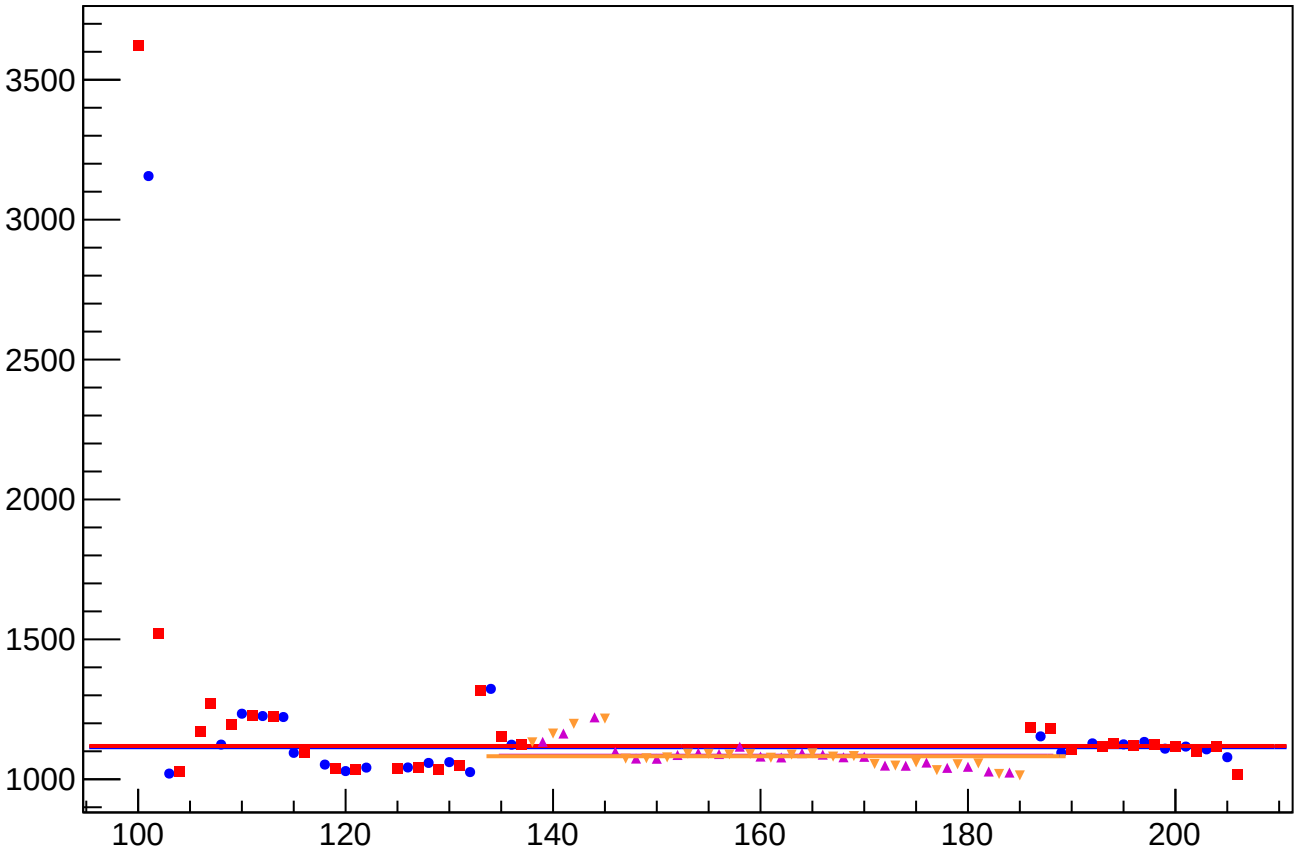
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 197.882+/-205.791 χ^2/NDF: 37.4/53

In: 147.884+/-193.655 χ^2/NDF:55.9/47

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 166.219+/-134.819 χ^2/NDF: 101.9/100



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

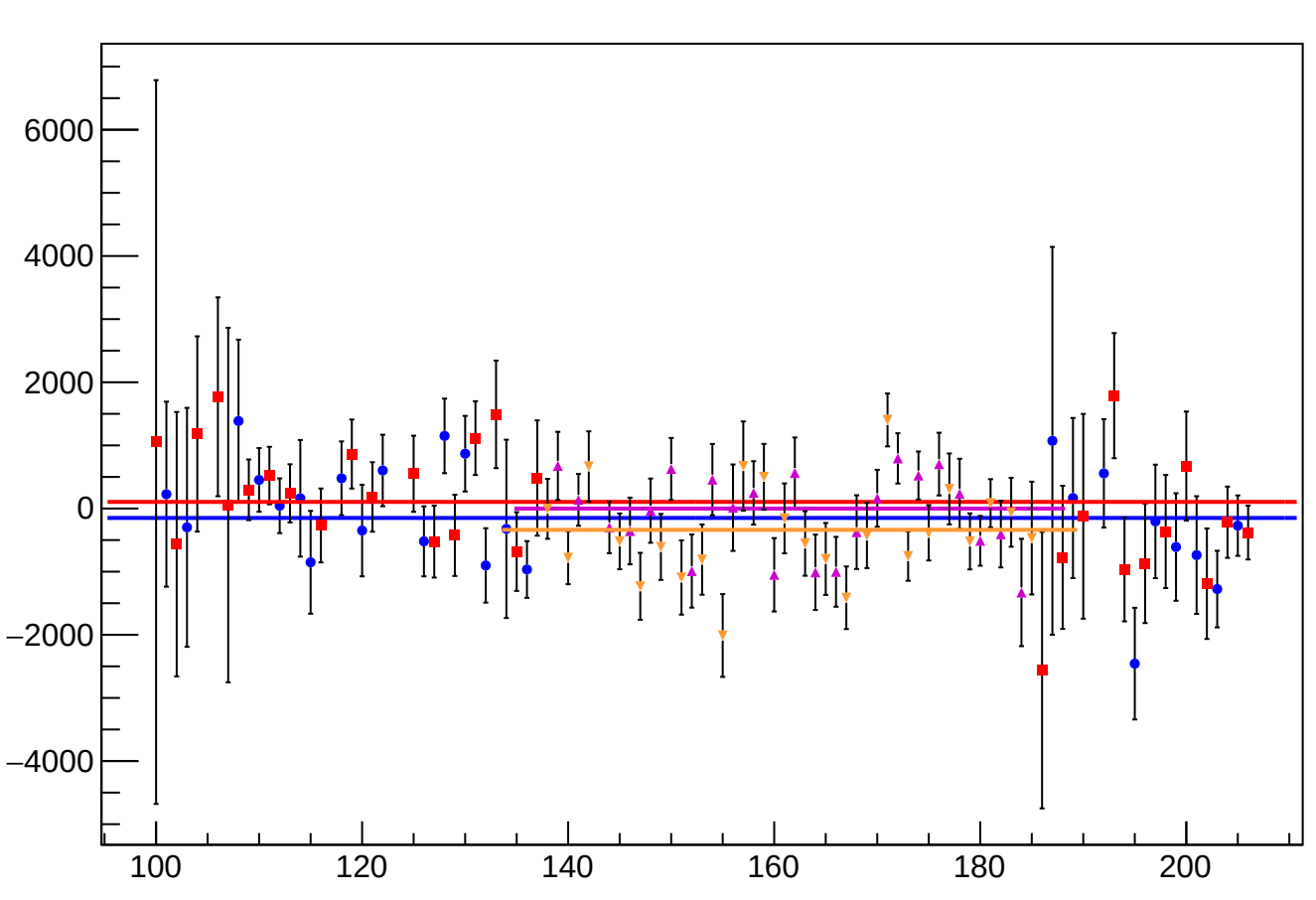
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1116.913+/-0.146 χ^2/NDF: 879671.9/53

In: 1096.819+/-0.137 χ^2/NDF:692582.8/47

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1097.686+/-0.095 χ^2/NDF: 1021621.6/10



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 104.769+/-130.723 χ^2/NDF: 27.3/28

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

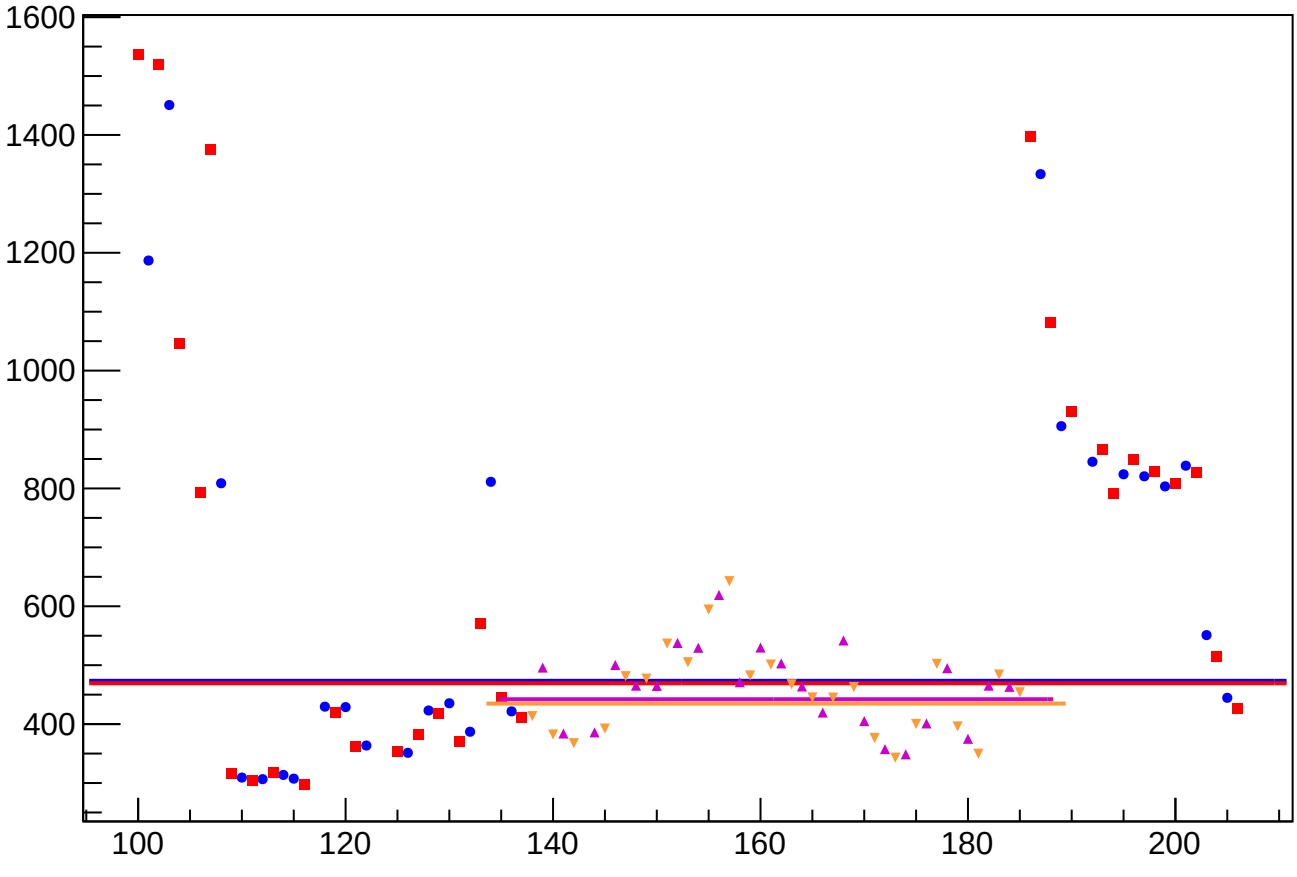
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: -15.723+/-94.831 χ^2/NDF: 61.1/53

In: -55.135+/-83.378 χ^2/NDF:64.6/47

Out: -169.104+/-80.710 χ^2/NDF:83.2/52

All: -113.972+/-57.991 χ^2/NDF: 148.8/100



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

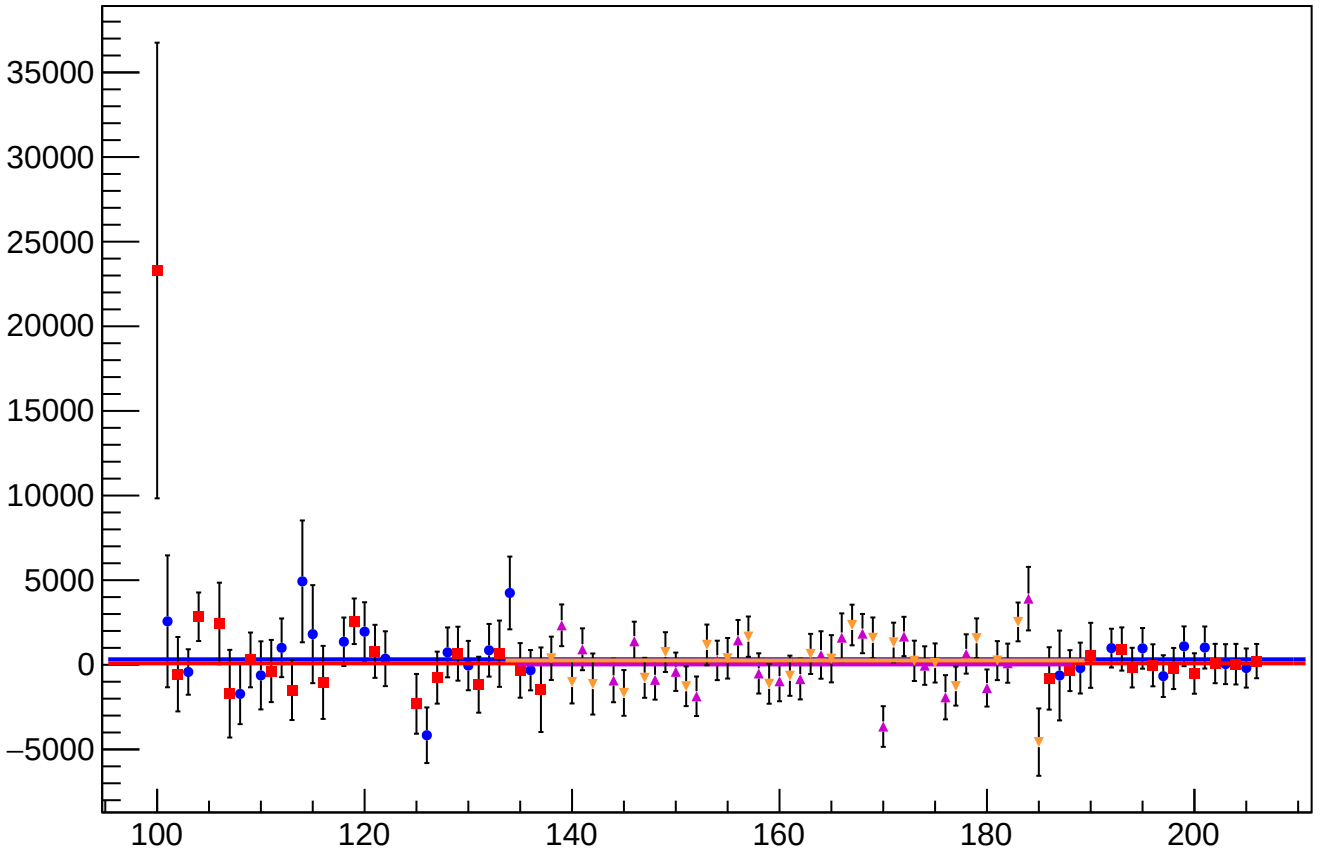
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 471.280+/-0.067 χ^2/NDF: 9587700.9/53

In: 453.650+/-0.059 χ^2/NDF:5107213.1/47

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 450.731+/-0.041 χ^2/NDF: 11447081.1/10



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 86.007+/-282.509 χ^2/NDF: 17.6/28

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

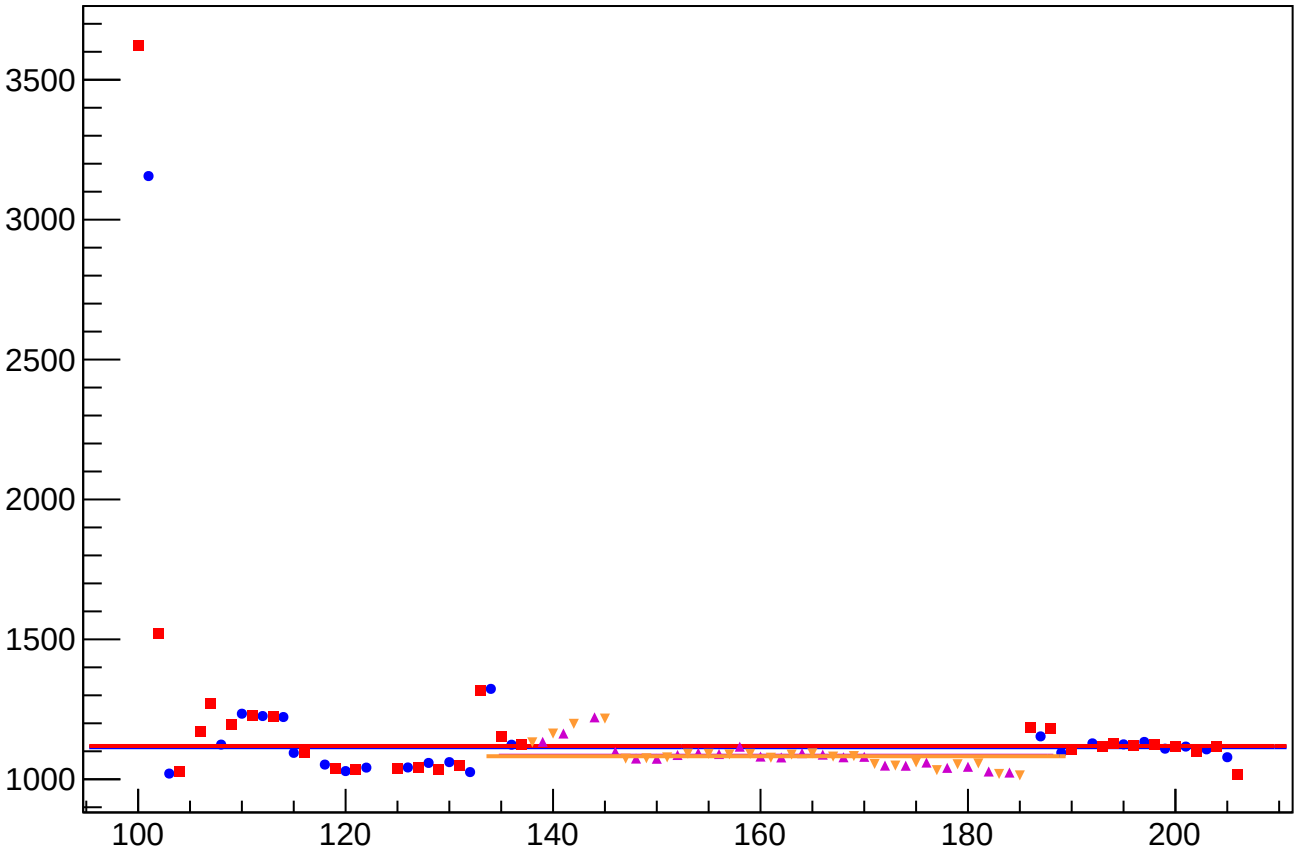
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 197.882+/-205.791 χ^2/NDF: 37.4/53

In: 147.884+/-193.655 χ^2/NDF:55.9/47

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 166.219+/-134.819 χ^2/NDF: 101.9/100



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

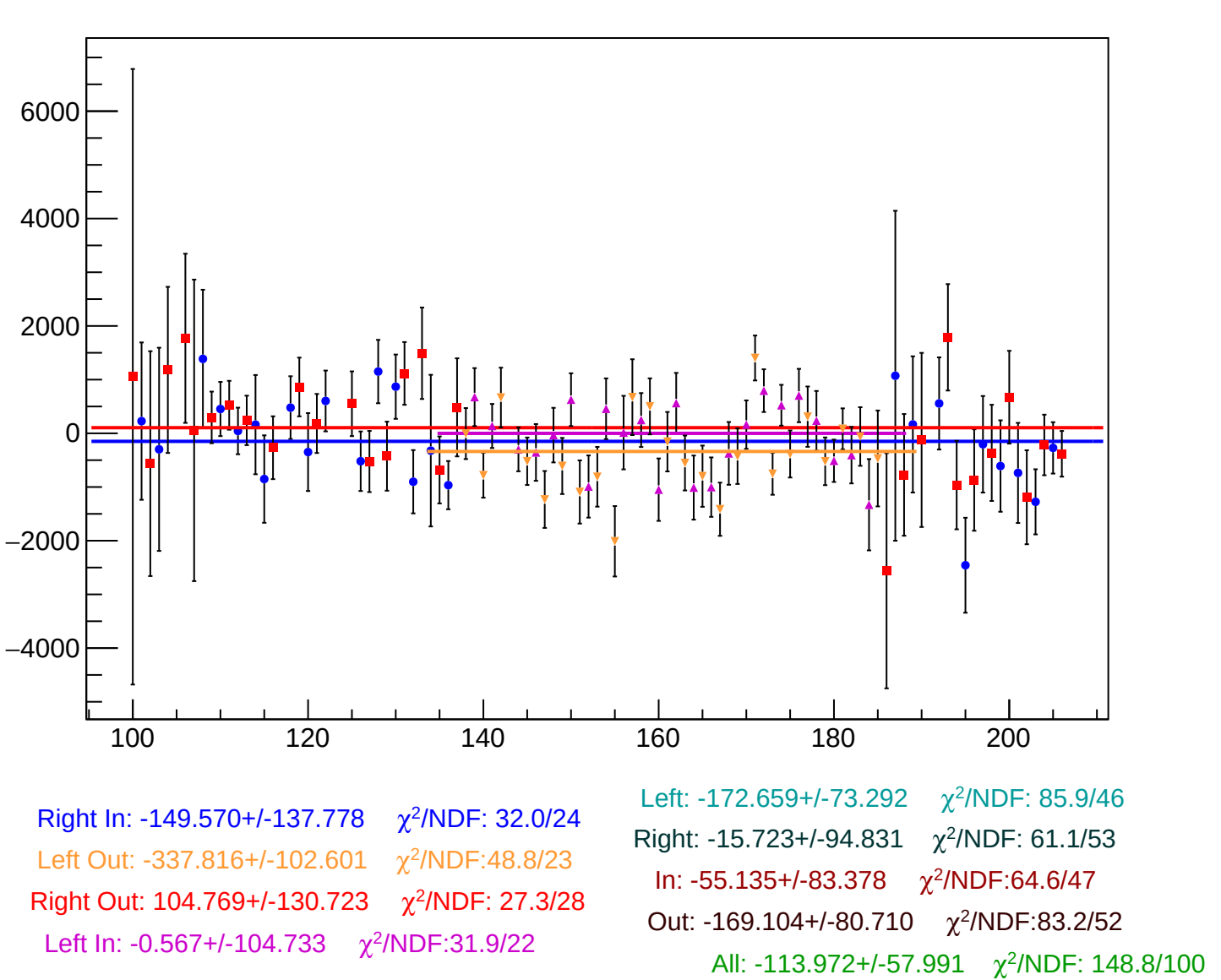
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1116.913+/-0.146 χ^2/NDF: 879671.9/53

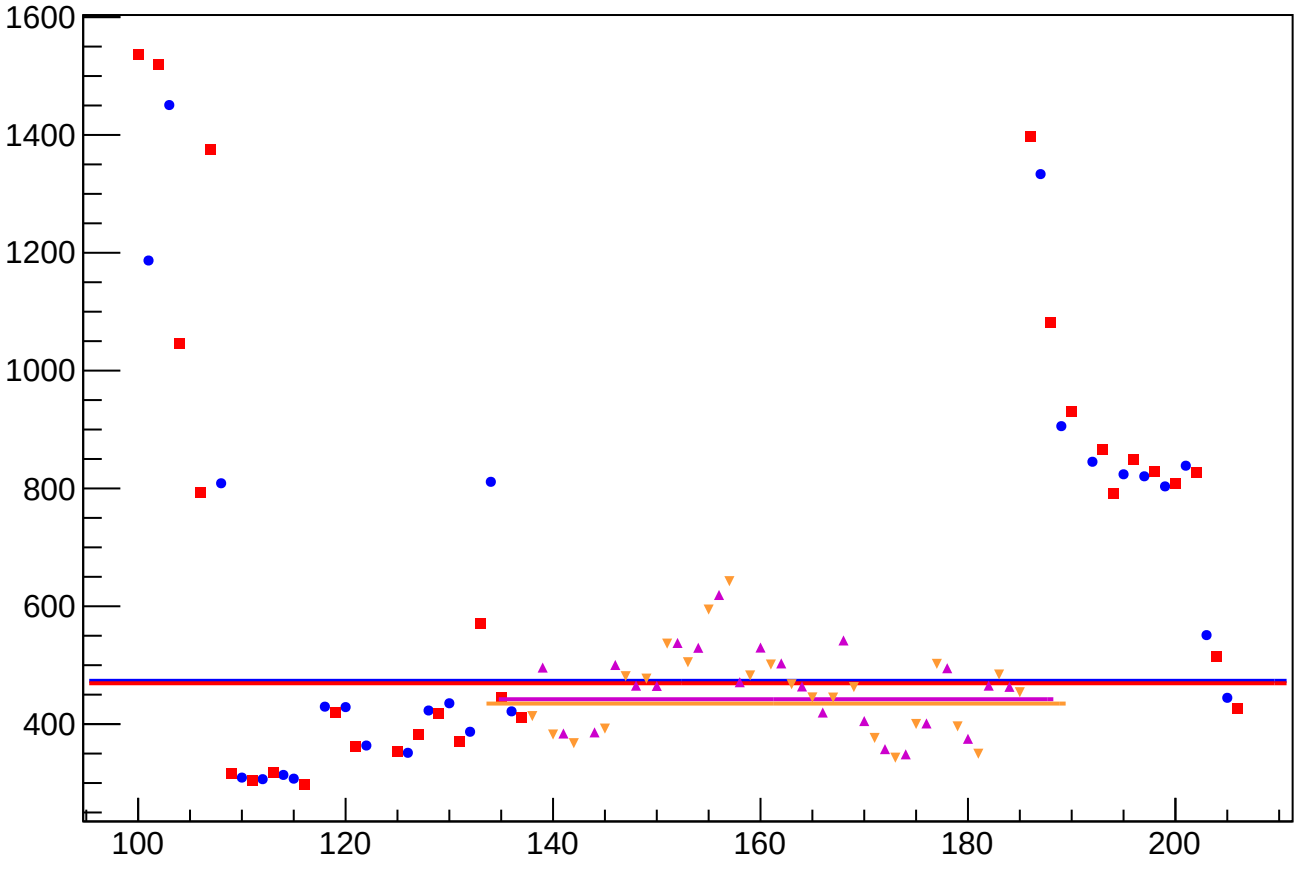
In: 1096.819+/-0.137 χ^2/NDF:692582.8/47

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1097.686+/-0.095 χ^2/NDF: 1021621.6/10


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -149.570+/-137.778 χ²/NDF: 32.0/24
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 104.769+/-130.723 χ²/NDF: 27.3/28
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: -15.723+/-94.831 χ²/NDF: 61.1/53
In: -55.135+/-83.378 χ²/NDF:64.6/47
Out: -169.104+/-80.710 χ²/NDF:83.2/52
All: -113.972+/-57.991 χ²/NDF: 148.8/100

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

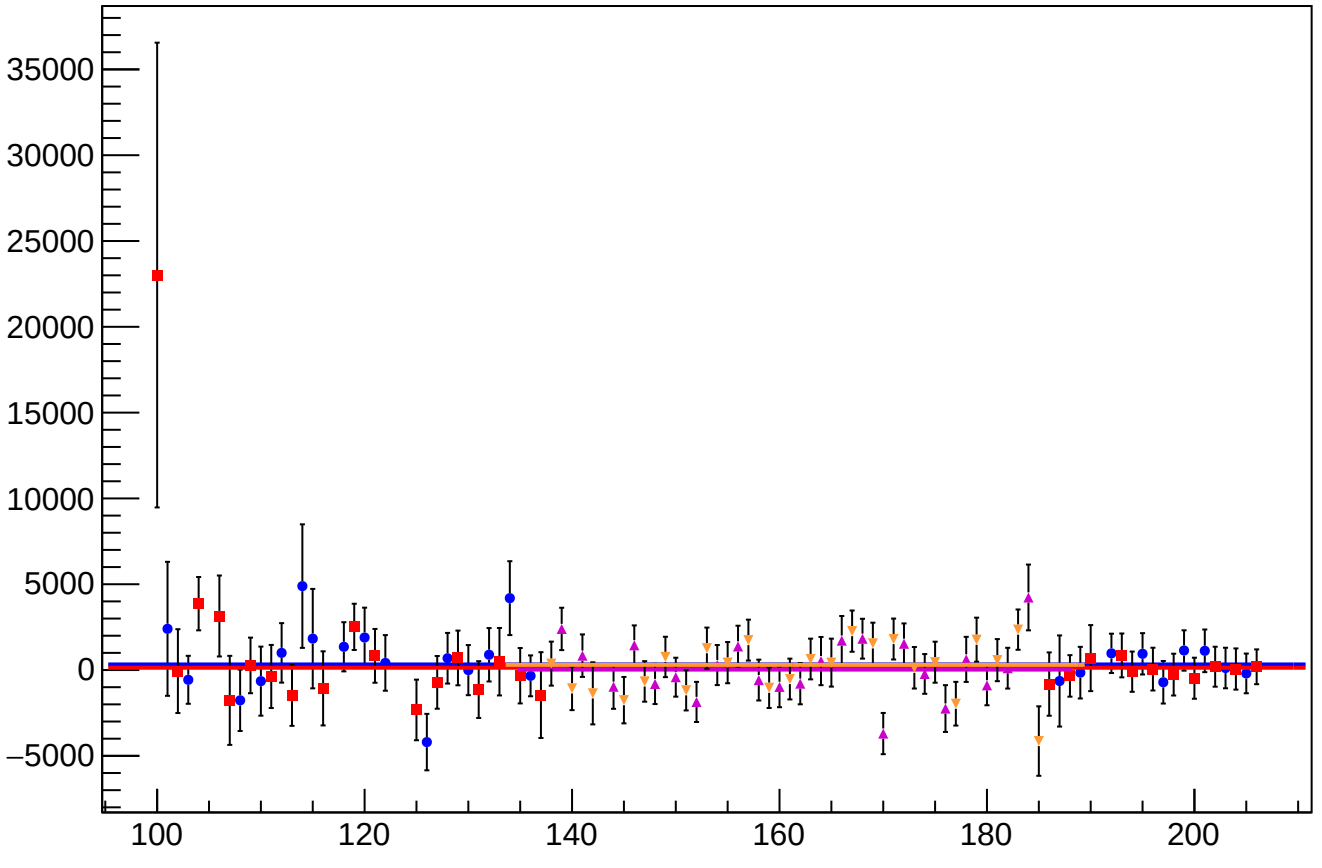
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 471.280+/-0.067 χ^2/NDF: 9587700.9/53

In: 453.650+/-0.059 χ^2/NDF:5107213.1/47

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 450.731+/-0.041 χ^2/NDF: 11447081.1/10



Right In: 325.208+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.446+/-284.029 χ^2/NDF: 20.1/28

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

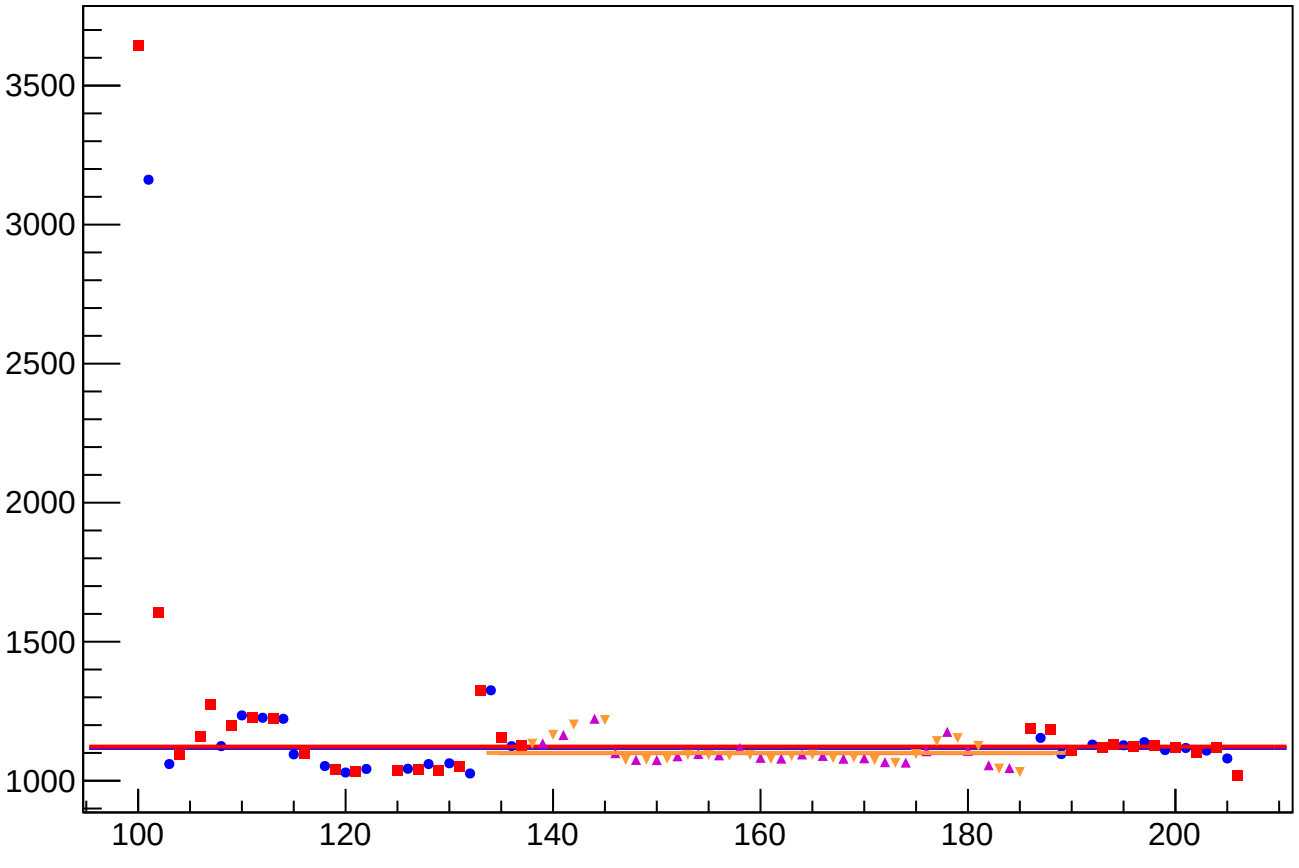
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 224.195+/-206.683 χ^2/NDF: 39.9/53

In: 151.528+/-195.479 χ^2/NDF:56.1/47

Out: 227.816+/-189.977 χ^2/NDF:48.8/52

All: 190.761+/-136.238 χ^2/NDF: 104.9/100



Right In: 1118.168+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.2/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

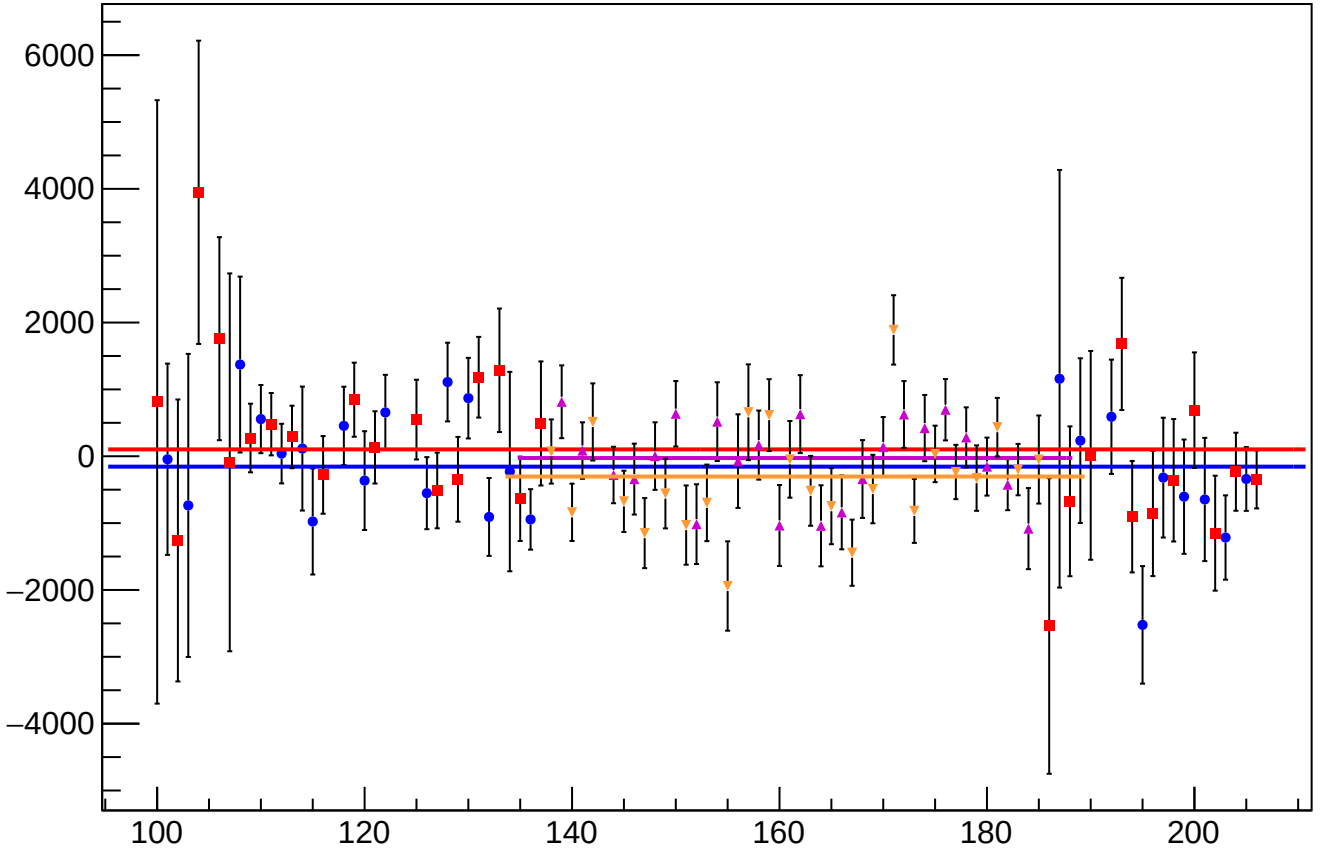
Right: 1120.576+/-0.146 χ^2/NDF: 879705.8/53

In: 1107.265+/-0.138 χ^2/NDF:670512.8/47

Out: 1110.304+/-0.134 χ^2/NDF:313942.2/52

All: 1108.828+/-0.096 χ^2/NDF: 984703.6/100

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -155.560+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 102.843+/-132.701 χ^2/NDF: 27.5/28

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

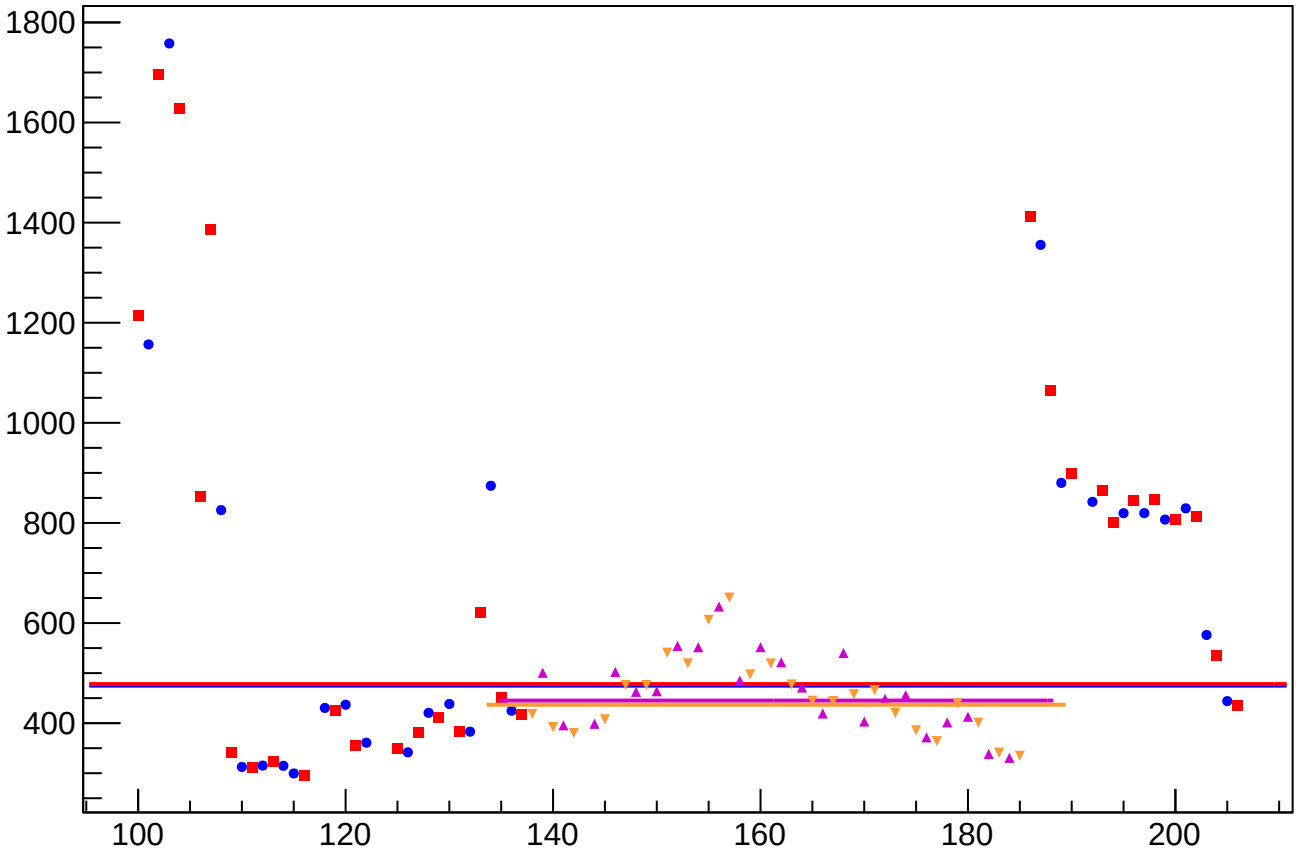
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: -21.043+/-95.745 χ^2/NDF: 61.9/53

In: -74.092+/-83.835 χ^2/NDF:61.0/47

Out: -150.594+/-81.356 χ^2/NDF:82.9/52

All: -113.491+/-58.384 χ^2/NDF: 144.3/100



Right In: 474.996+/-0.098 χ^2/NDF: 4321412.5/24

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 478.075+/-0.094 χ^2/NDF: 5696007.9/28

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

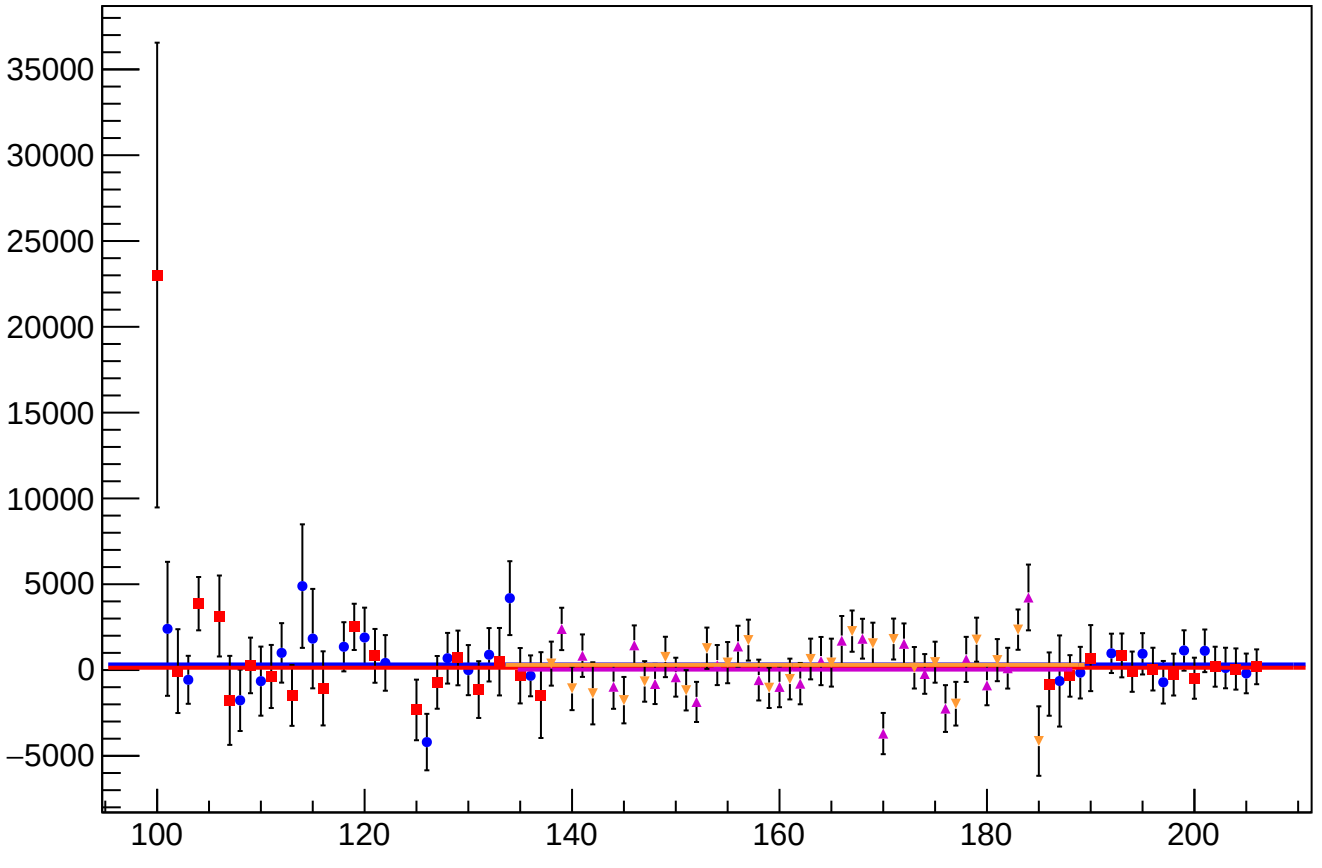
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 476.599+/-0.068 χ^2/NDF: 10017936.6/53

In: 456.095+/-0.059 χ^2/NDF:5255035.0/47

Out: 452.306+/-0.058 χ^2/NDF:6672051.0/52

All: 454.143+/-0.041 χ^2/NDF: 11929190.1/10



Right In: 325.210+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.447+/-284.029 χ^2/NDF: 20.1/28

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

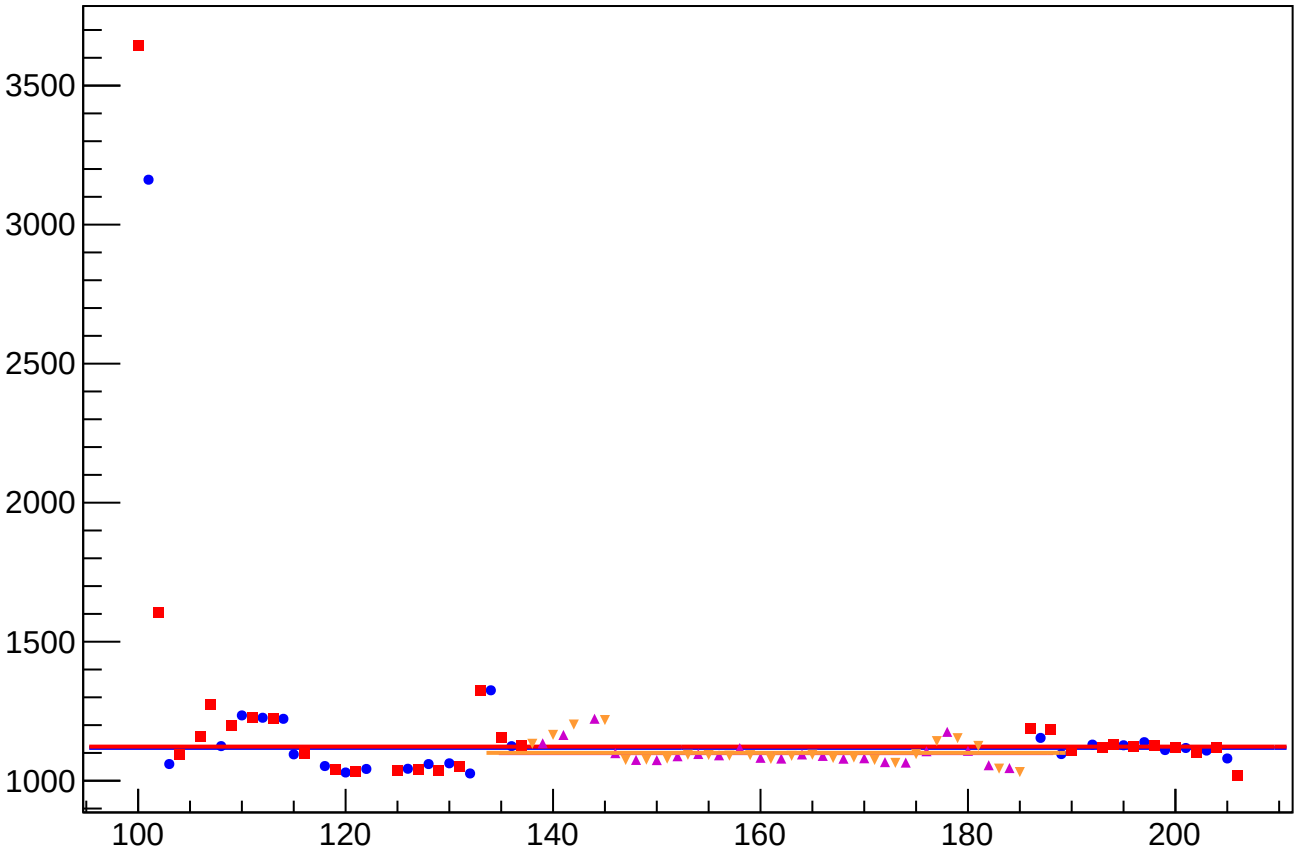
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 224.197+/-206.683 χ^2/NDF: 39.9/53

In: 151.530+/-195.479 χ^2/NDF:56.1/47

Out: 227.815+/-189.977 χ^2/NDF:48.8/52

All: 190.761+/-136.238 χ^2/NDF: 104.9/100



Right In: 1118.169+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.3/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

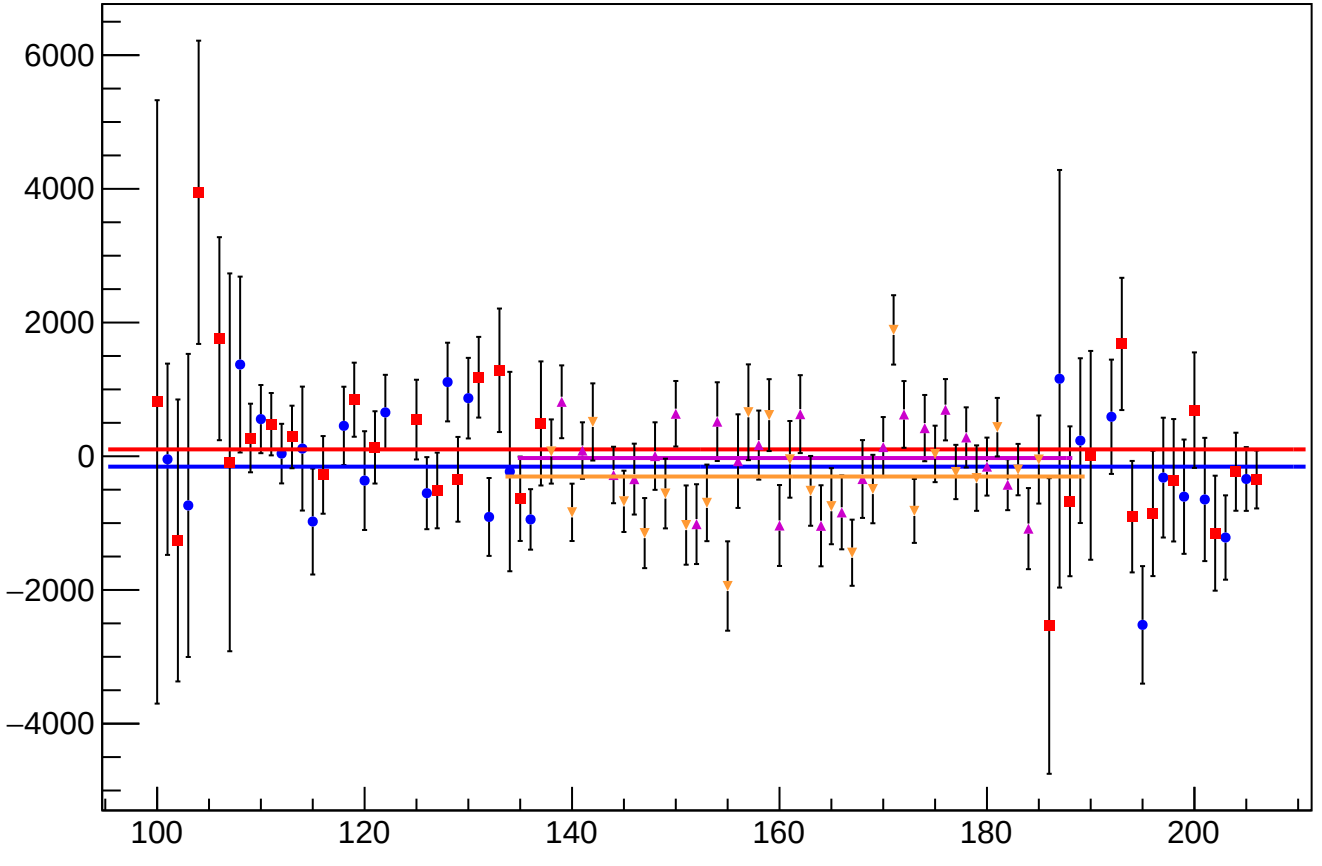
Right: 1120.576+/-0.146 χ^2/NDF: 879705.9/53

In: 1107.265+/-0.138 χ^2/NDF:670512.9/47

Out: 1110.304+/-0.134 χ^2/NDF:313942.5/52

All: 1108.828+/-0.096 χ^2/NDF: 984704.0/100

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -155.561+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 102.845+/-132.701 χ^2/NDF: 27.5/28

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

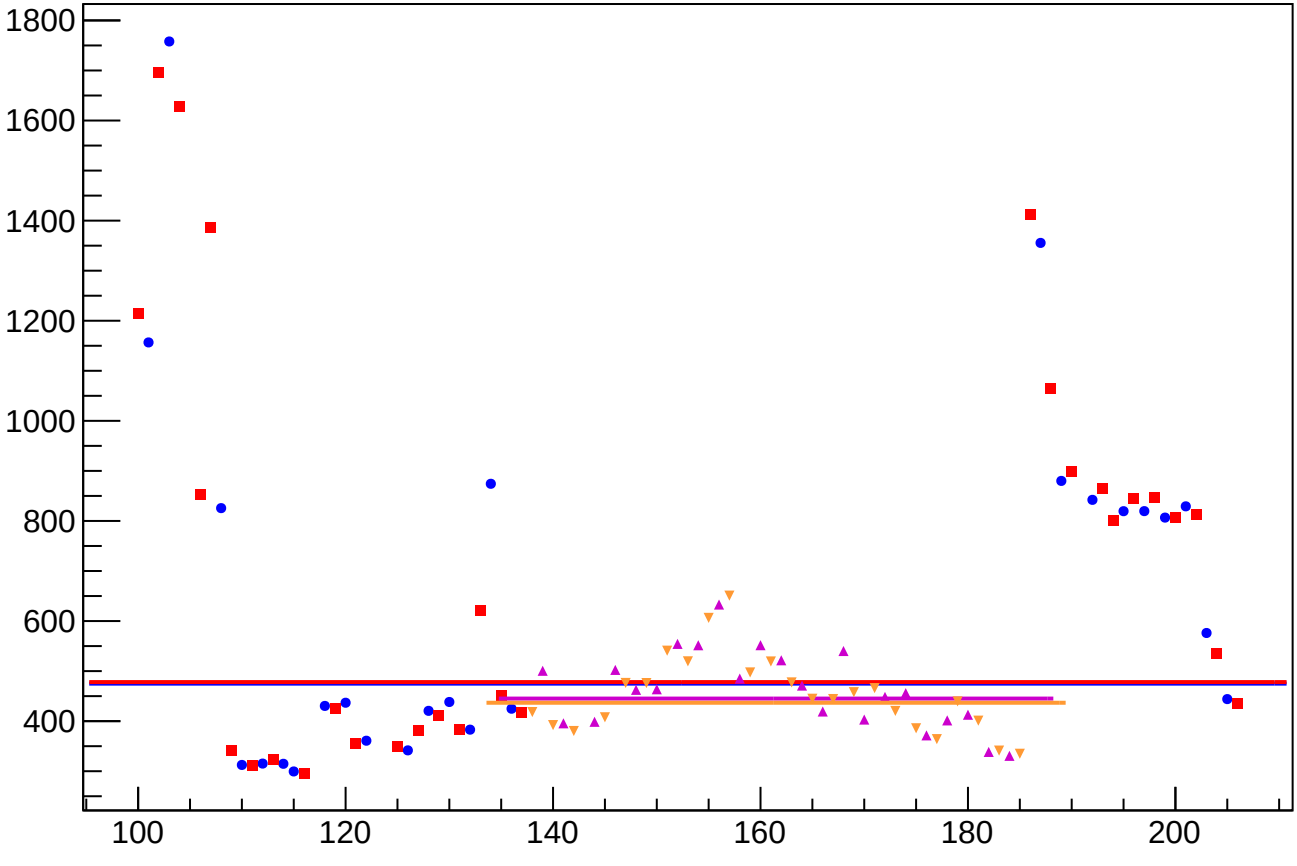
Right: -21.043+/-95.744 χ^2/NDF: 61.9/53

In: -74.092+/-83.835 χ^2/NDF:61.0/47

Out: -150.593+/-81.356 χ^2/NDF:82.9/52

All: -113.490+/-58.384 χ^2/NDF: 144.3/100

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 474.993+/-0.098 χ^2/NDF: 4321452.2/24

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 478.071+/-0.094 χ^2/NDF: 5696067.9/28

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

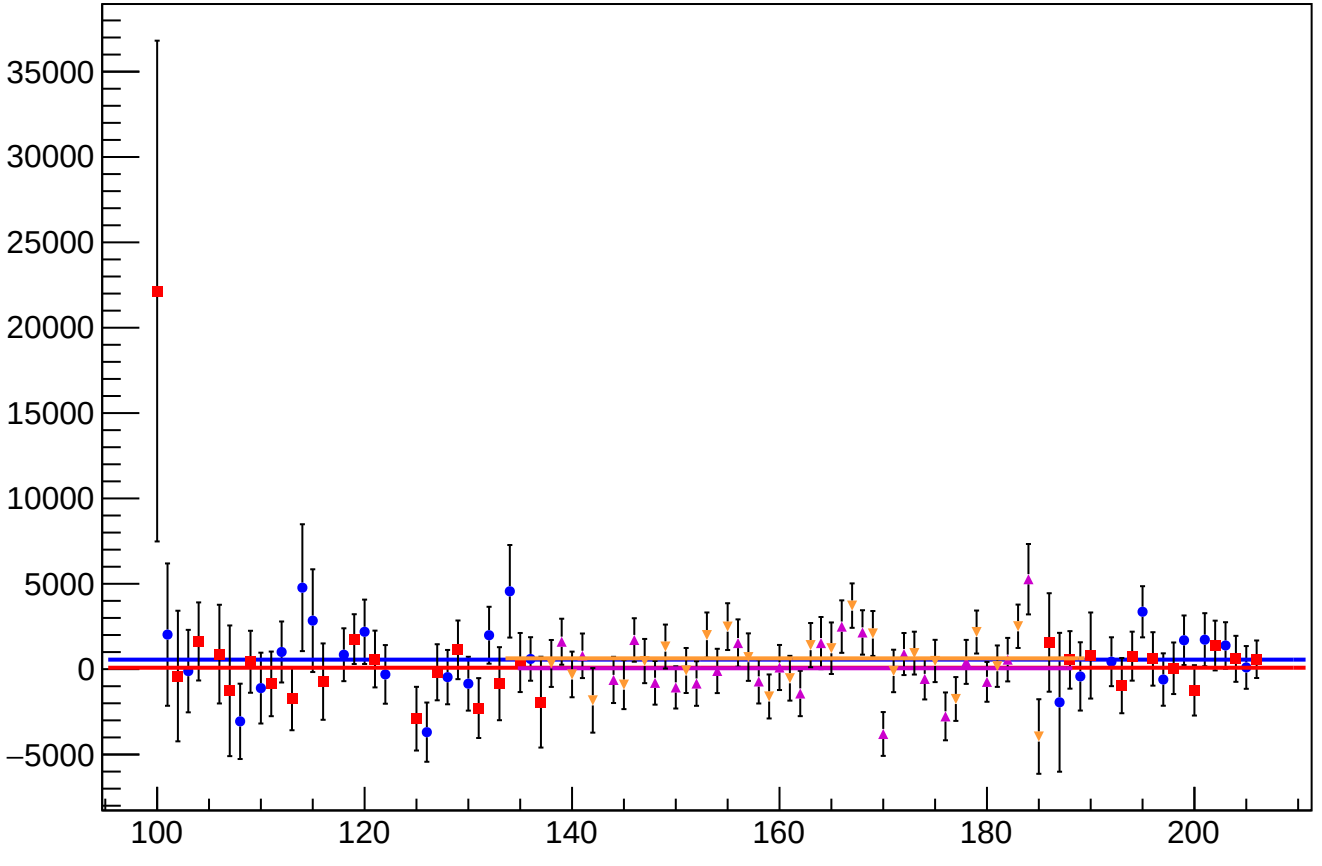
Right: 476.595+/-0.068 χ^2/NDF: 10018036.1/53

In: 456.093+/-0.059 χ^2/NDF:5255098.3/47

Out: 452.304+/-0.058 χ^2/NDF:6672124.0/52

All: 454.142+/-0.041 χ^2/NDF: 11929326.6/10

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 557.389+/-349.758 χ^2/NDF: 23.0/24

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 82.810+/-332.714 χ^2/NDF: 14.5/28

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

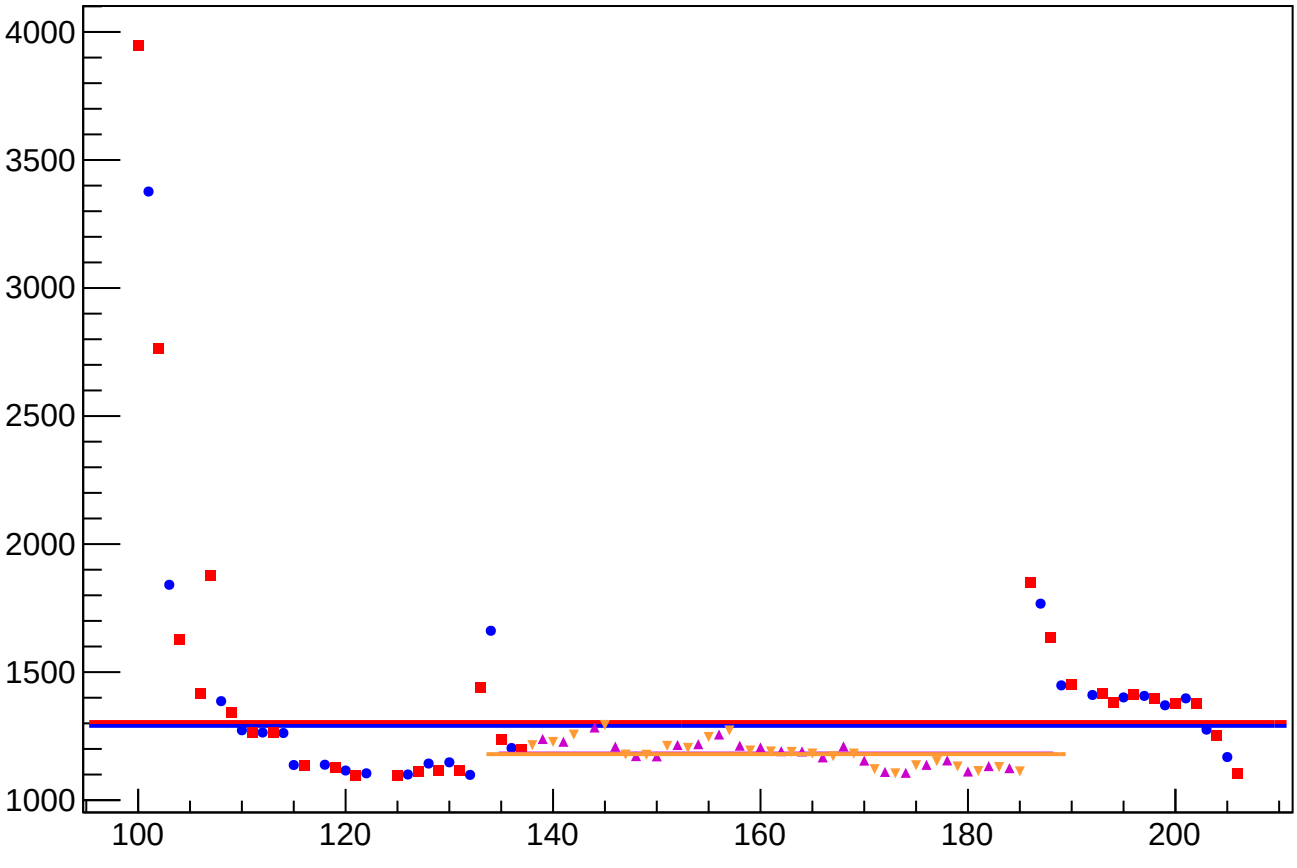
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 308.255+/-241.065 χ^2/NDF: 38.4/53

In: 245.407+/-216.768 χ^2/NDF:59.3/47

Out: 410.522+/-211.537 χ^2/NDF:46.2/52

All: 329.981+/-151.395 χ^2/NDF: 105.8/100



Right In: 1290.308+/-0.247 χ^2/NDF: 916587.1/24

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1304.982+/-0.235 χ^2/NDF: 899731.9/28

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

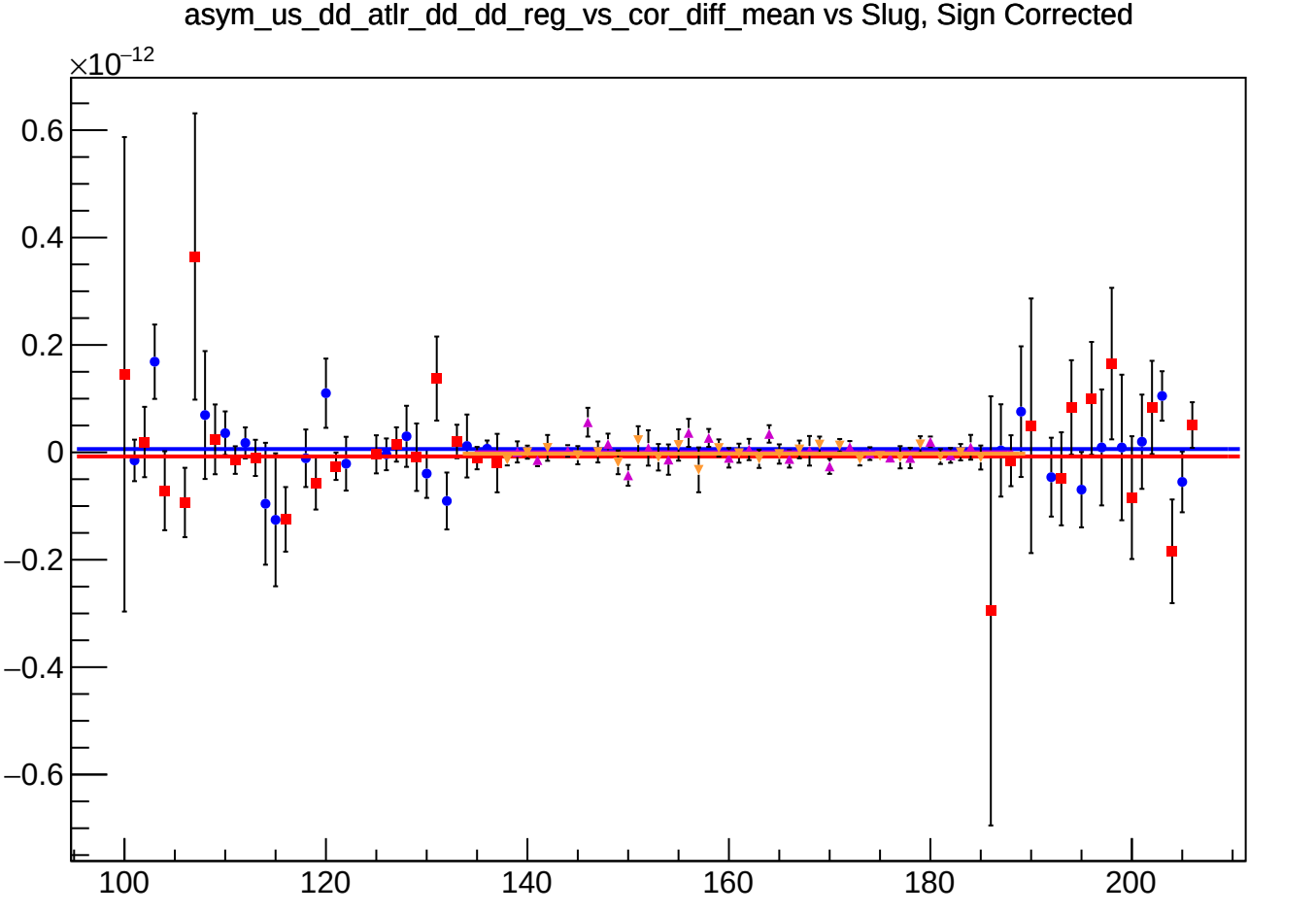
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1298.011+/-0.170 χ^2/NDF: 1818167.1/53

In: 1223.558+/-0.153 χ^2/NDF:1095216.0/47

Out: 1230.351+/-0.150 χ^2/NDF:1133307.9/52

All: 1227.037+/-0.107 χ^2/NDF: 2229529.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

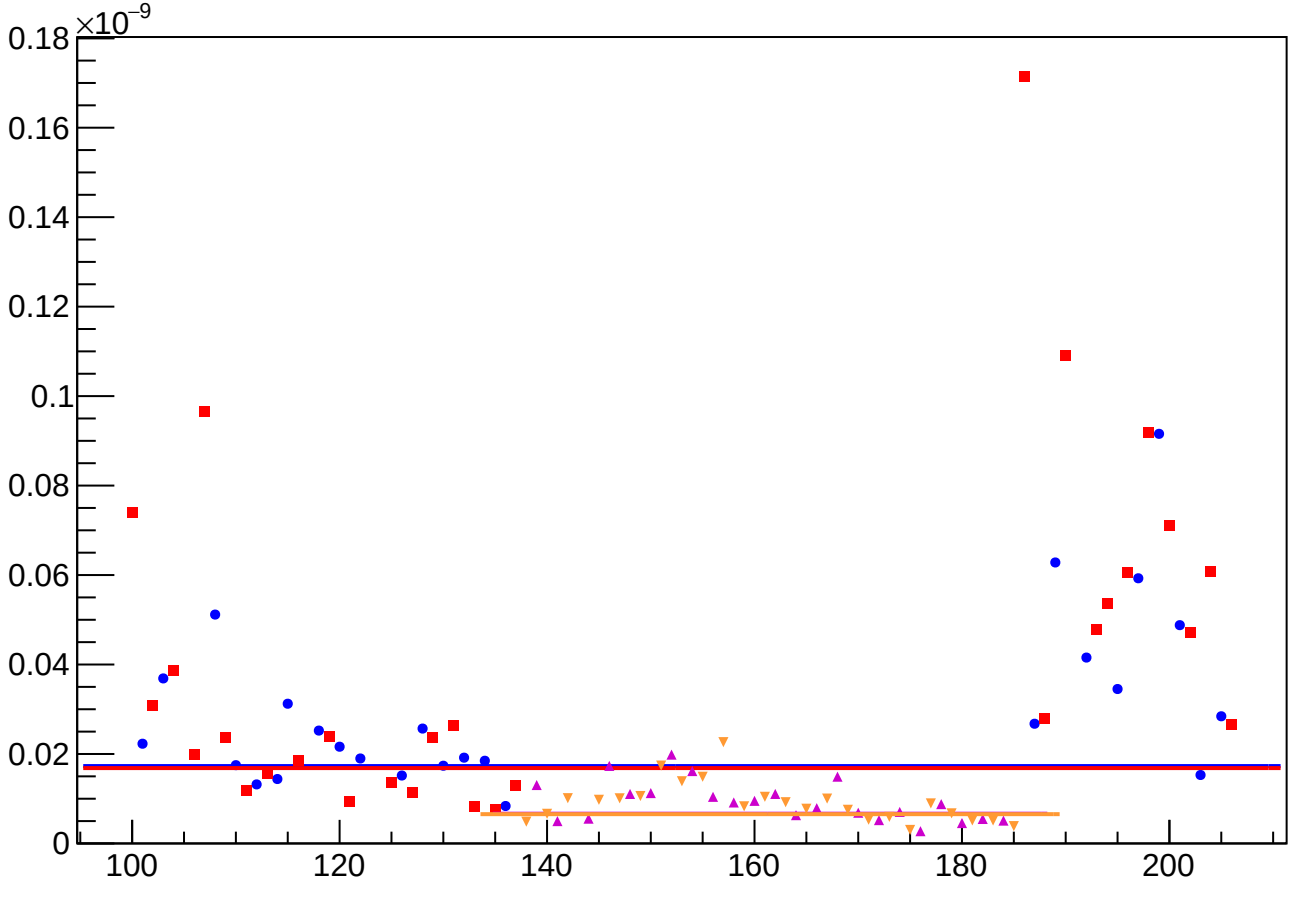
Right: -0.000+/-0.000 χ^2/NDF: 51.8/53

In: 0.000+/-0.000 χ^2/NDF:57.1/47

Out: -0.000+/-0.000 χ^2/NDF:37.2/52

All: -0.000+/-0.000 χ^2/NDF: 95.2/100

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3097469.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4941573.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

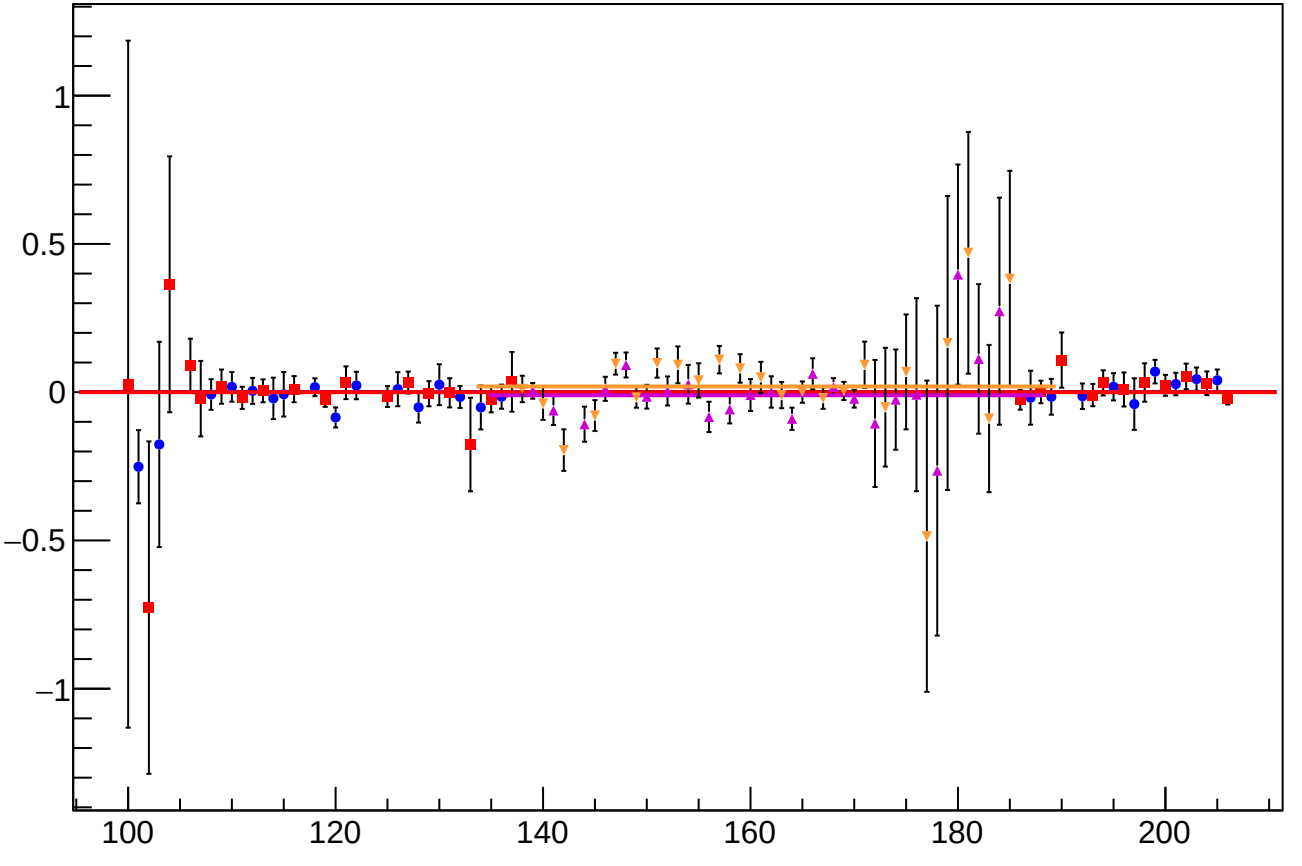
Right: 0.000+/-0.000 χ^2/NDF: 8041615.2/53

In: 0.000+/-0.000 χ^2/NDF:8154000.3/47

Out: 0.000+/-0.000 χ^2/NDF:9762454.2/52

All: 0.000+/-0.000 χ^2/NDF: 17917995.0/100

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

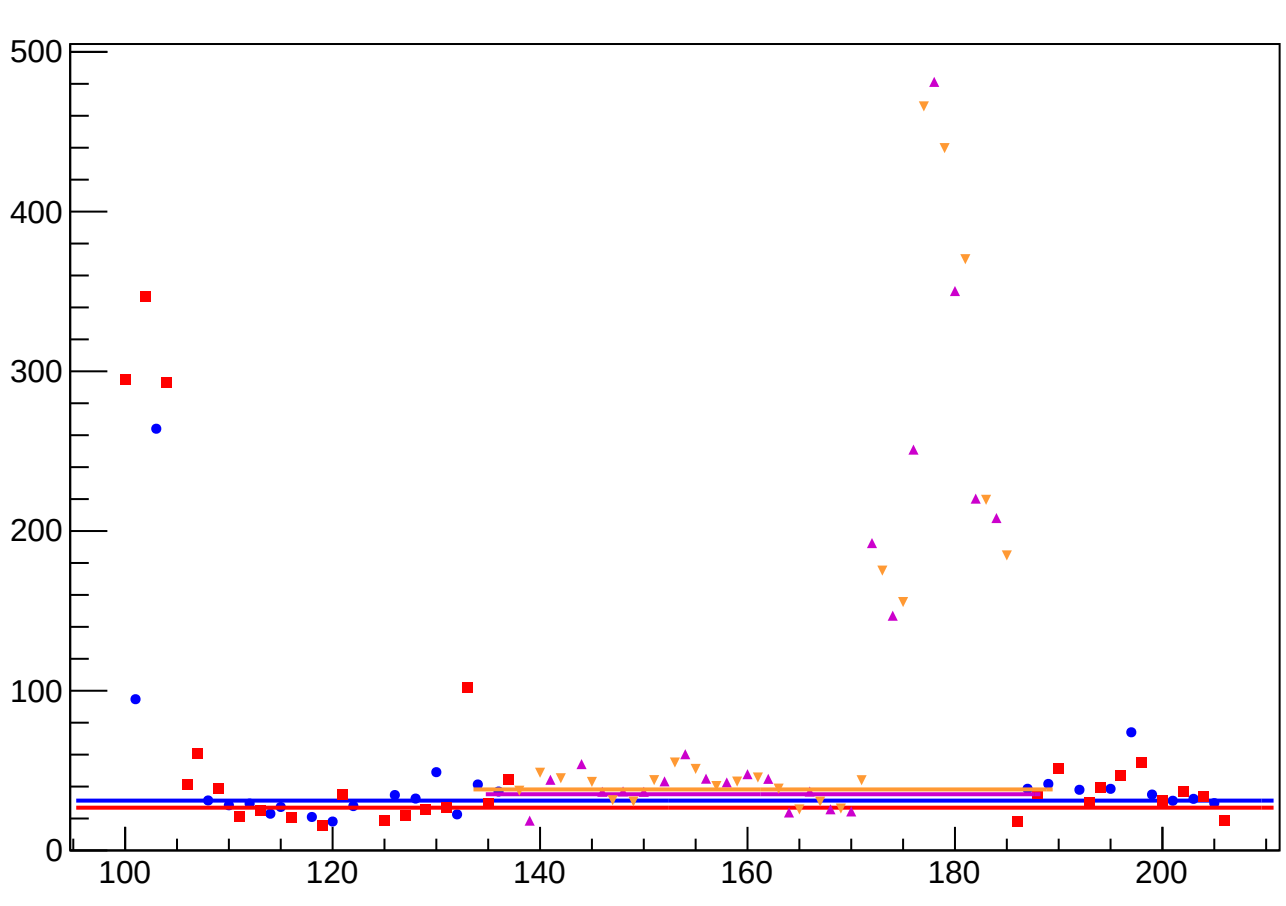
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.000+/-0.006 χ^2/NDF: 34.4/53

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.0/100



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

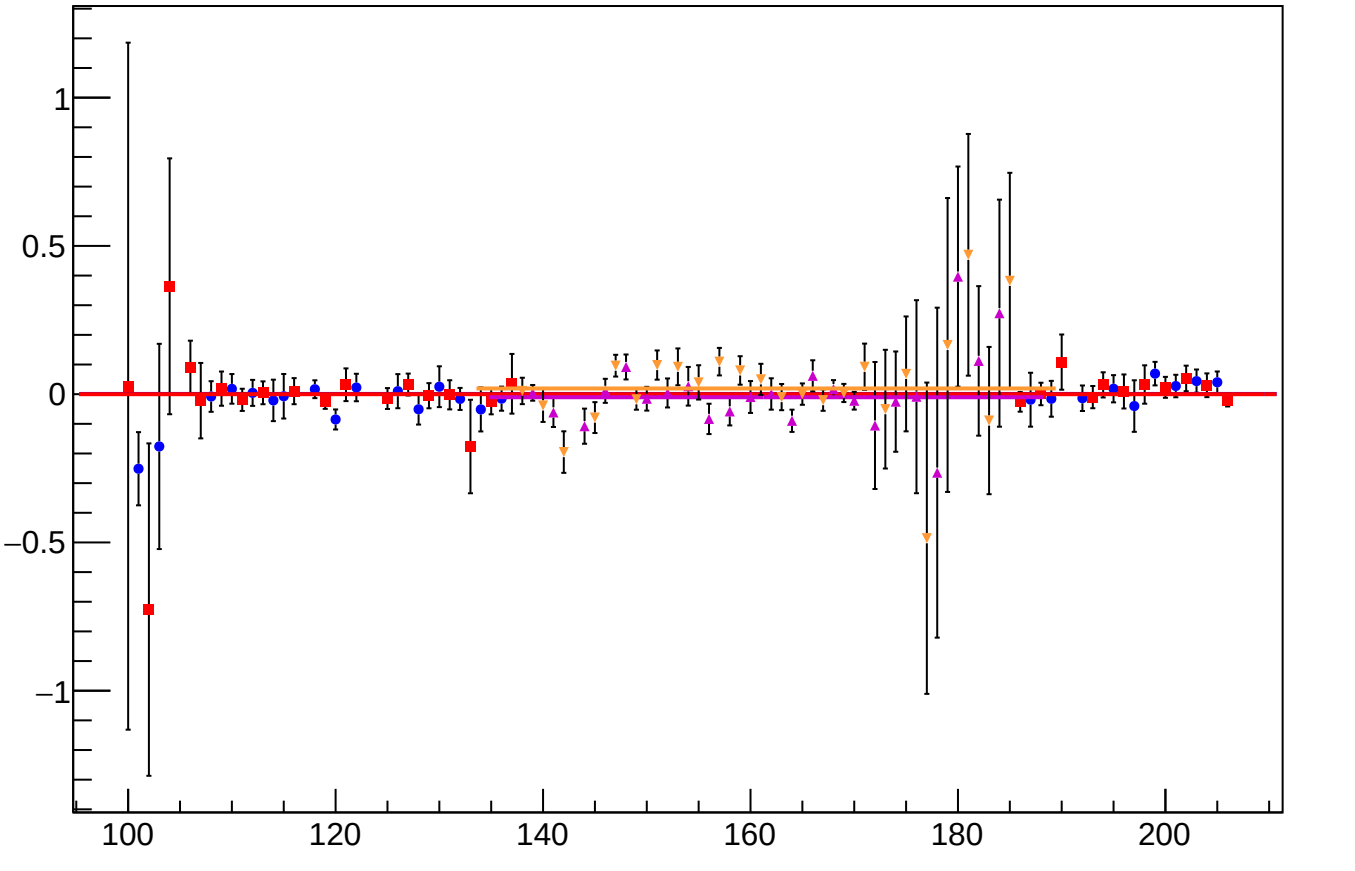
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.620+/-0.004 χ^2/NDF: 7977416.5/53

In: 33.065+/-0.005 χ^2/NDF:12583804.5/47

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.885+/-0.003 χ^2/NDF: 27105532.9/100



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

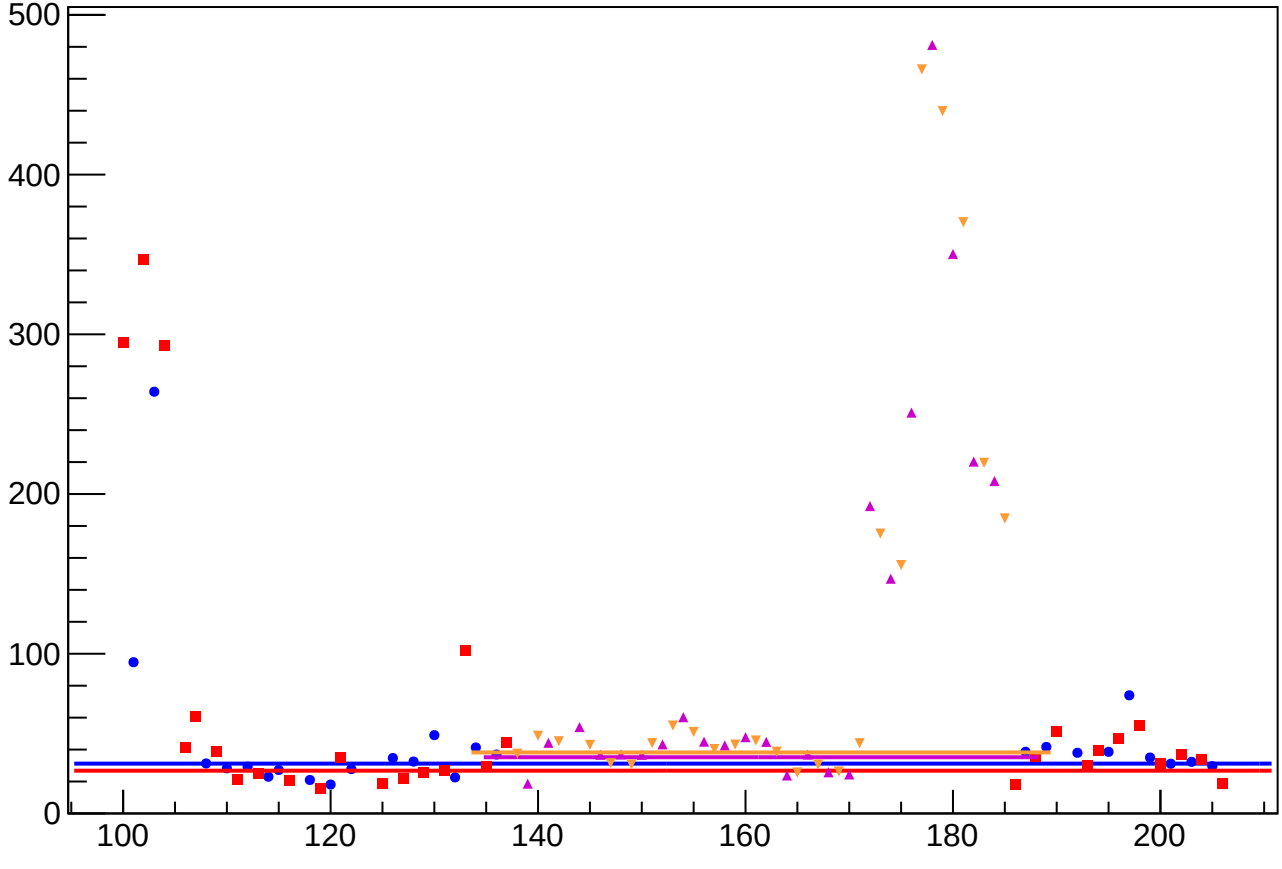
Right: 0.000+/-0.006 χ^2/NDF: 34.4/53

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.0/100

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

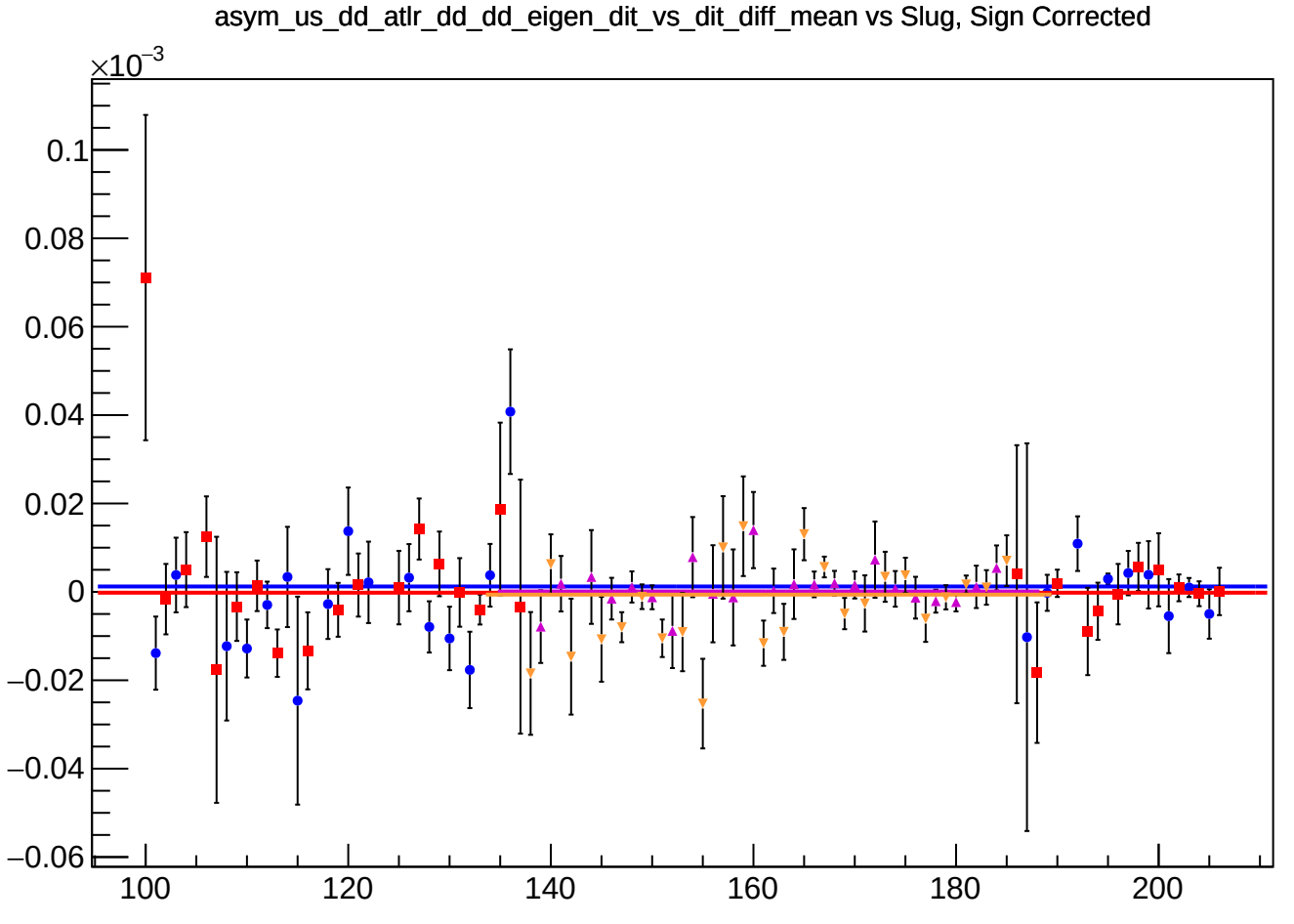
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.620+/-0.004 χ^2/NDF: 7977416.5/53

In: 33.065+/-0.005 χ^2/NDF:12583804.5/47

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.885+/-0.003 χ^2/NDF: 27105532.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

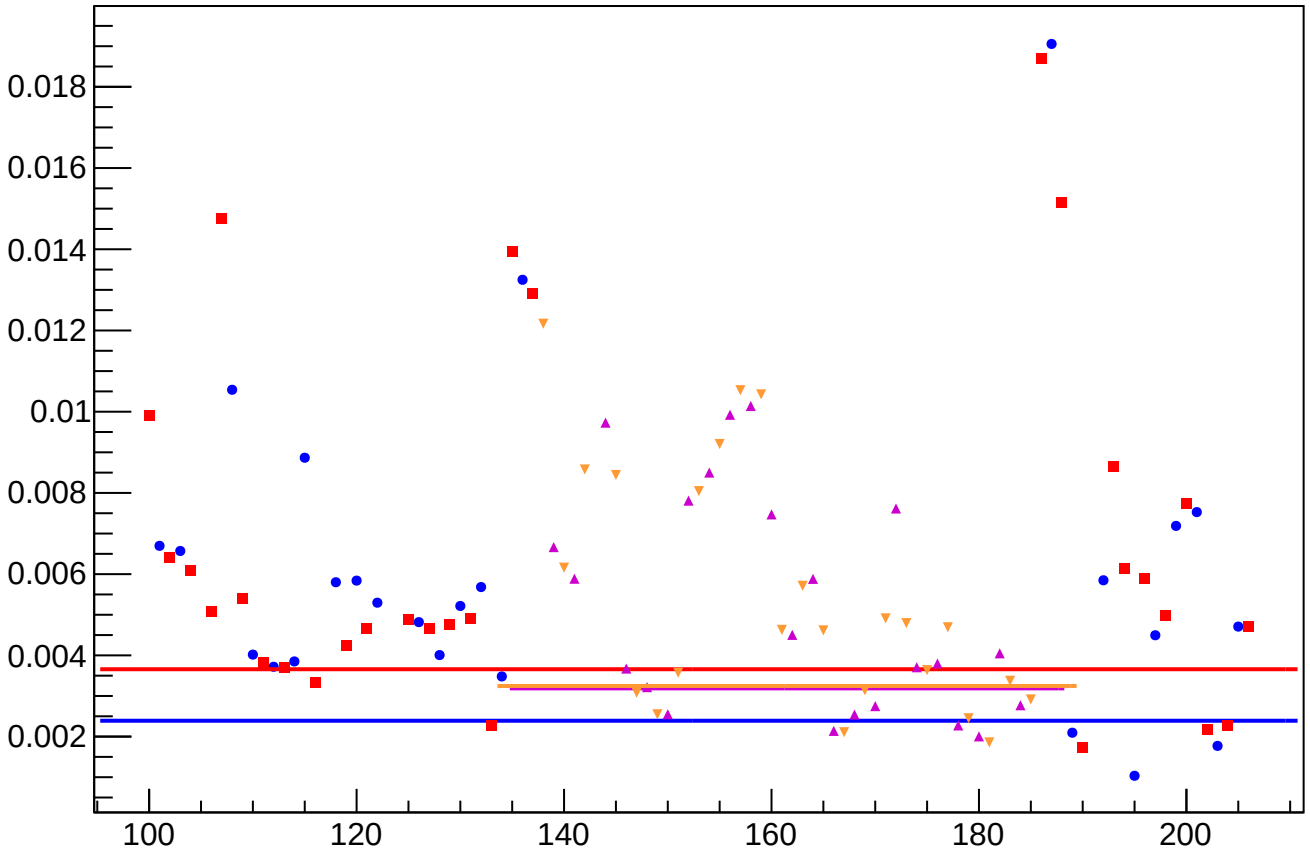
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 66.3/53

In: 0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:79.3/52

All: 0.000+/-0.000 χ^2/NDF: 129.9/100



Right In: 0.002+/-0.000 χ^2/NDF: 10743773.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7237083.3/28

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

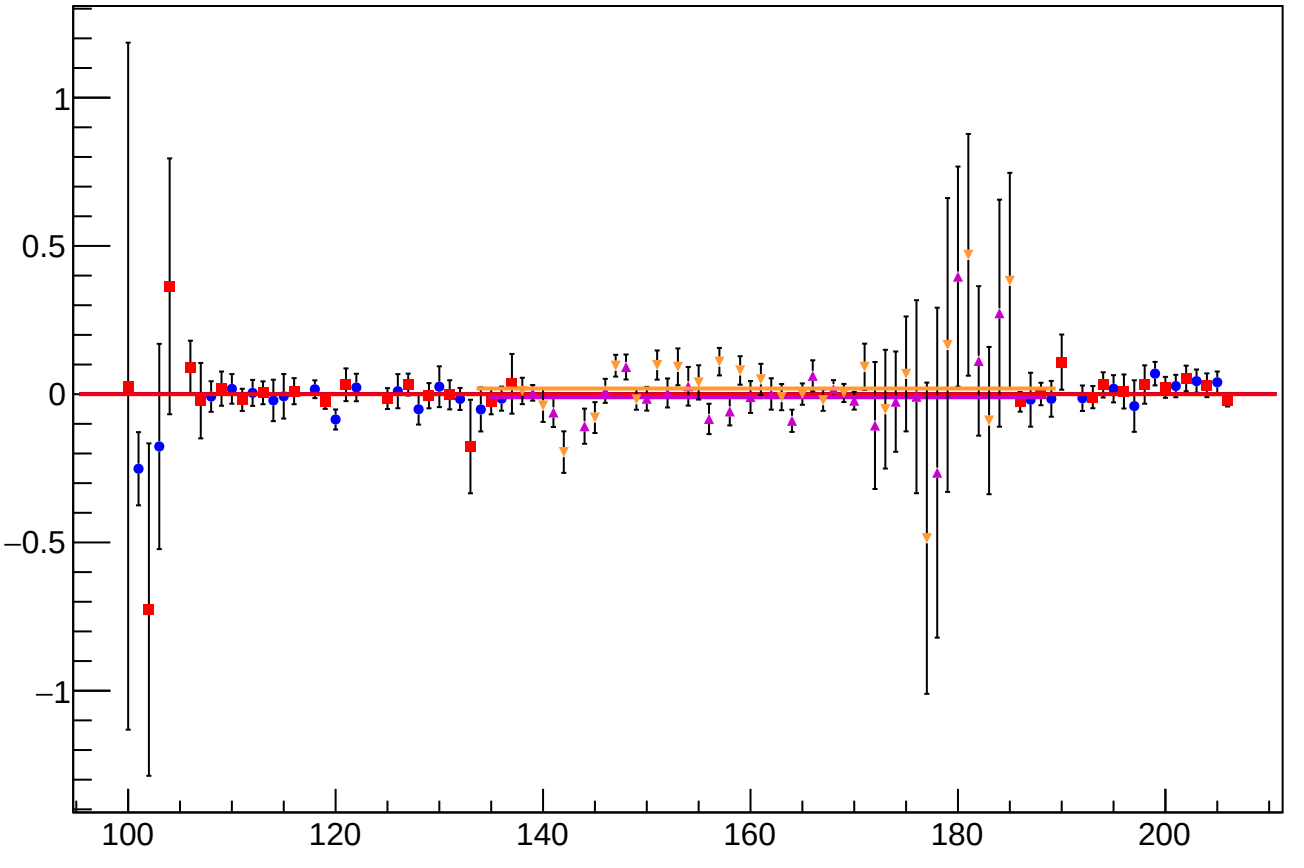
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 19621290.7/53

In: 0.003+/-0.000 χ^2/NDF:18893948.0/47

Out: 0.003+/-0.000 χ^2/NDF:15147911.3/52

All: 0.003+/-0.000 χ^2/NDF: 34935758.8/100



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

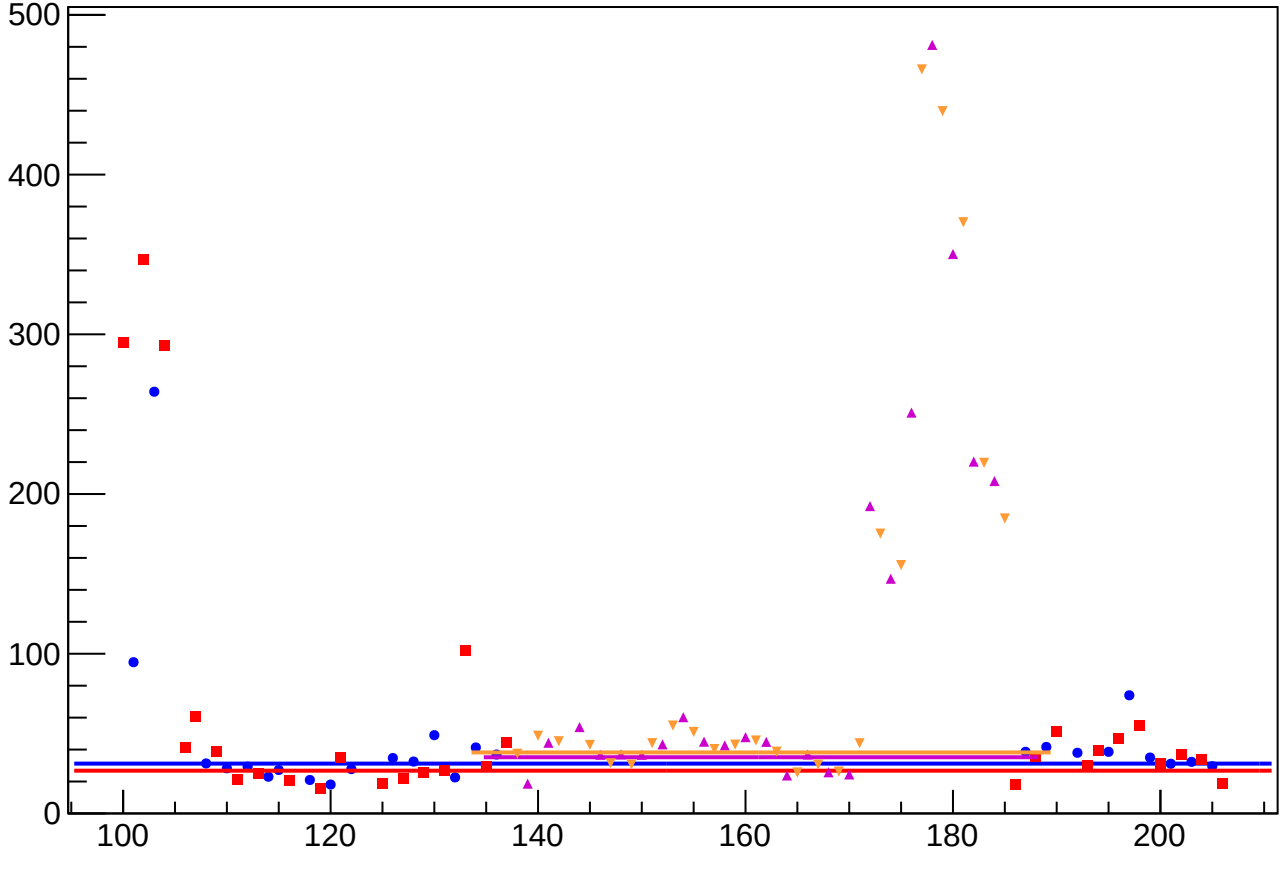
Right: 0.000+/-0.006 χ^2/NDF: 34.4/53

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.0/100

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

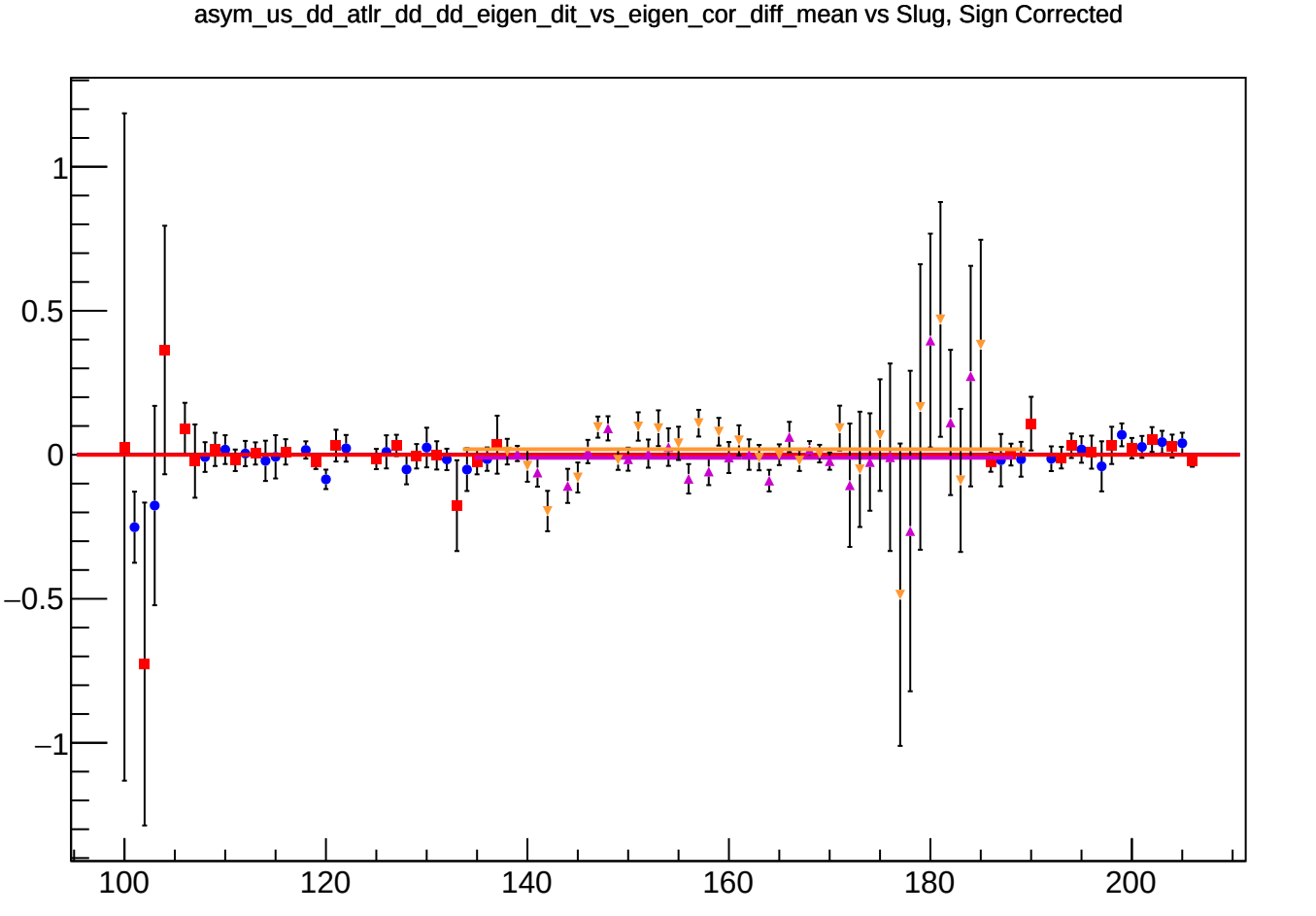
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.619+/-0.004 χ^2/NDF: 7977836.2/53

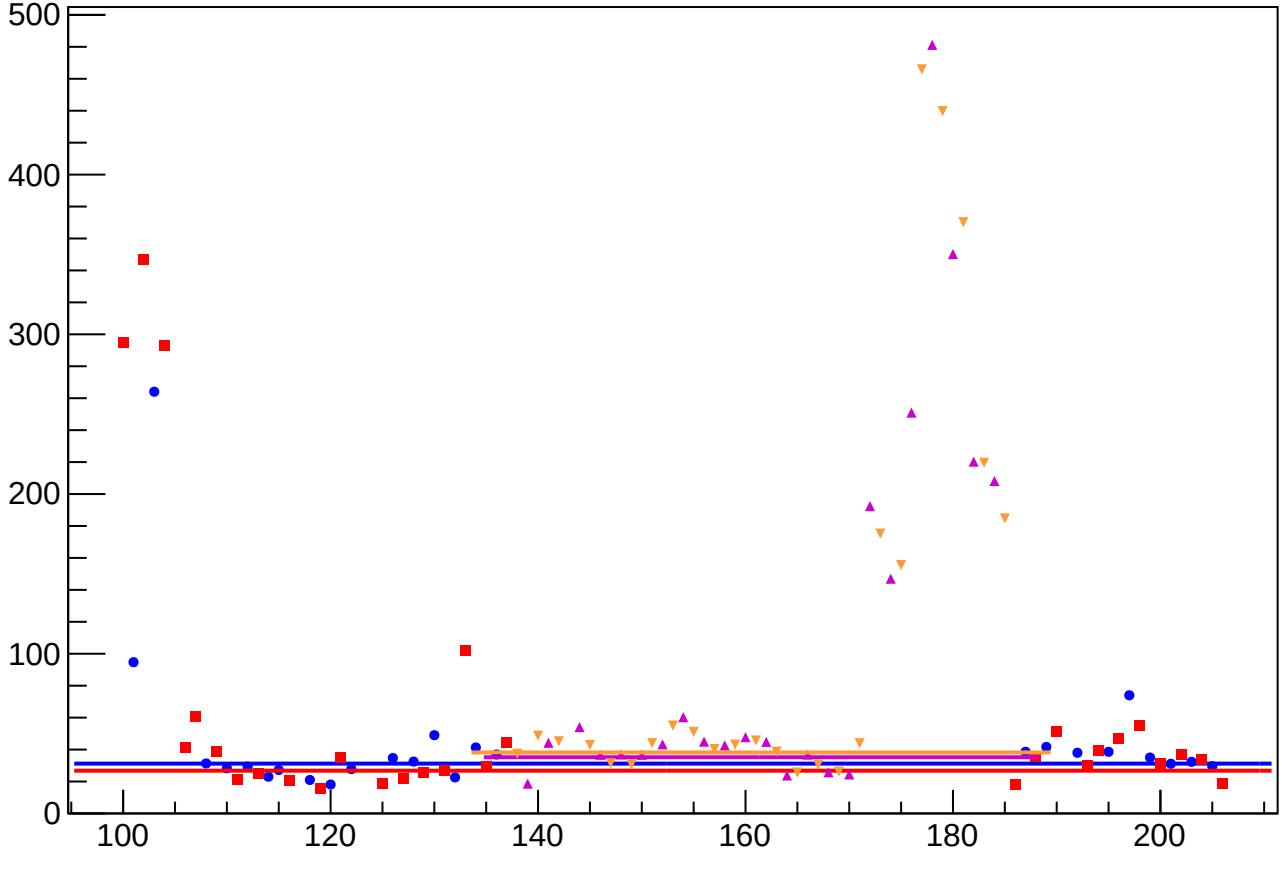
In: 33.065+/-0.005 χ^2/NDF:12584326.0/47

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.884+/-0.003 χ^2/NDF: 27106888.5/100


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: 0.001+/-0.010 χ²/NDF: 20.2/24
Left Out: 0.019+/-0.011 χ²/NDF:35.9/23
Right Out: -0.000+/-0.008 χ²/NDF: 14.2/28
Left In: -0.010+/-0.010 χ²/NDF:23.6/22
Left: 0.004+/-0.007 χ²/NDF: 63.5/46
Right: 0.000+/-0.006 χ²/NDF: 34.4/53
In: -0.004+/-0.007 χ²/NDF:44.4/47
Out: 0.007+/-0.006 χ²/NDF:52.2/52
All: 0.002+/-0.005 χ²/NDF: 98.0/100

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

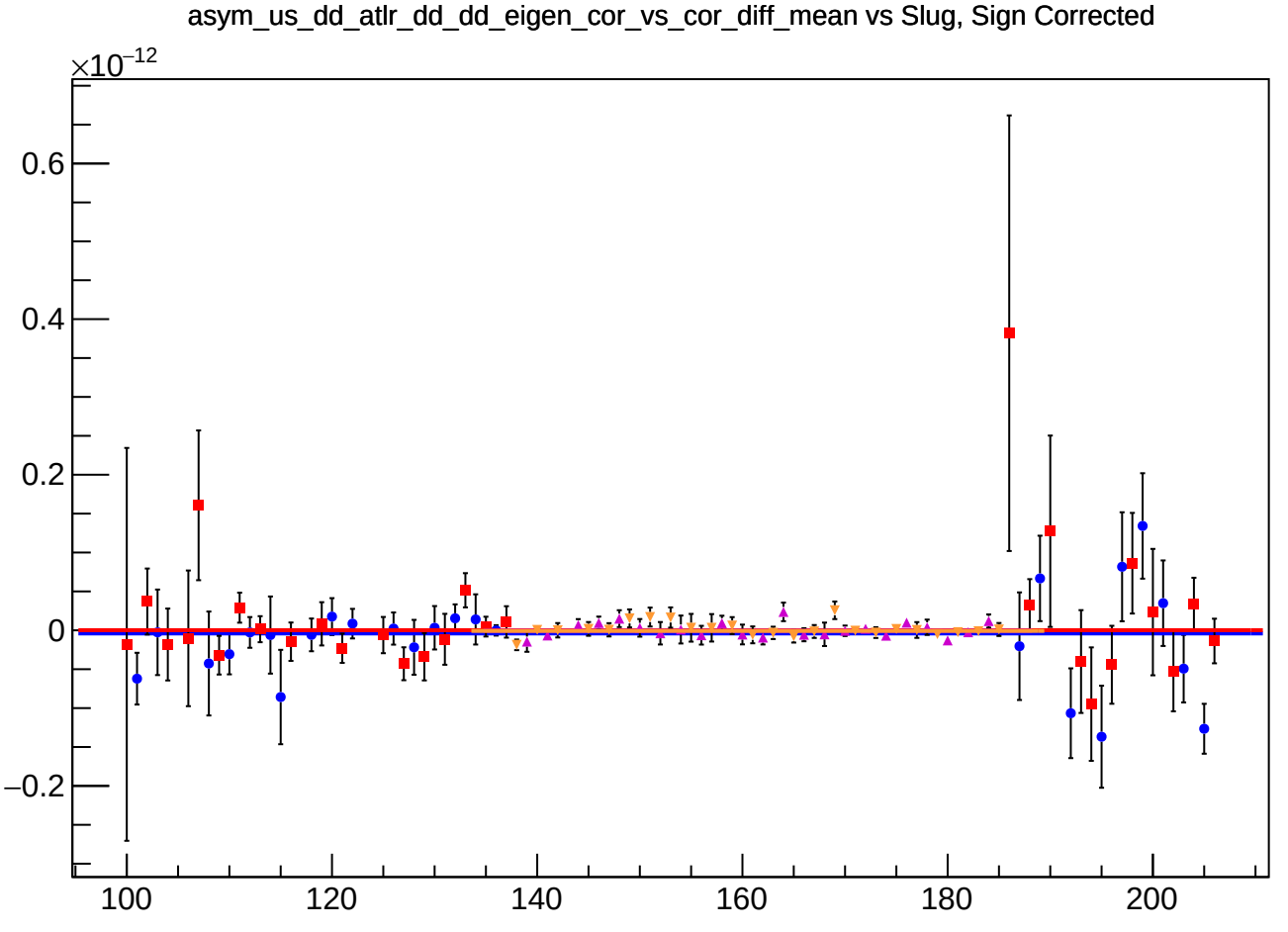
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.619+/-0.004 χ^2/NDF: 7977836.2/53

In: 33.065+/-0.005 χ^2/NDF:12584326.0/47

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.884+/-0.003 χ^2/NDF: 27106888.5/100



Right In: -0.000+/-0.000 χ^2/NDF: 40.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

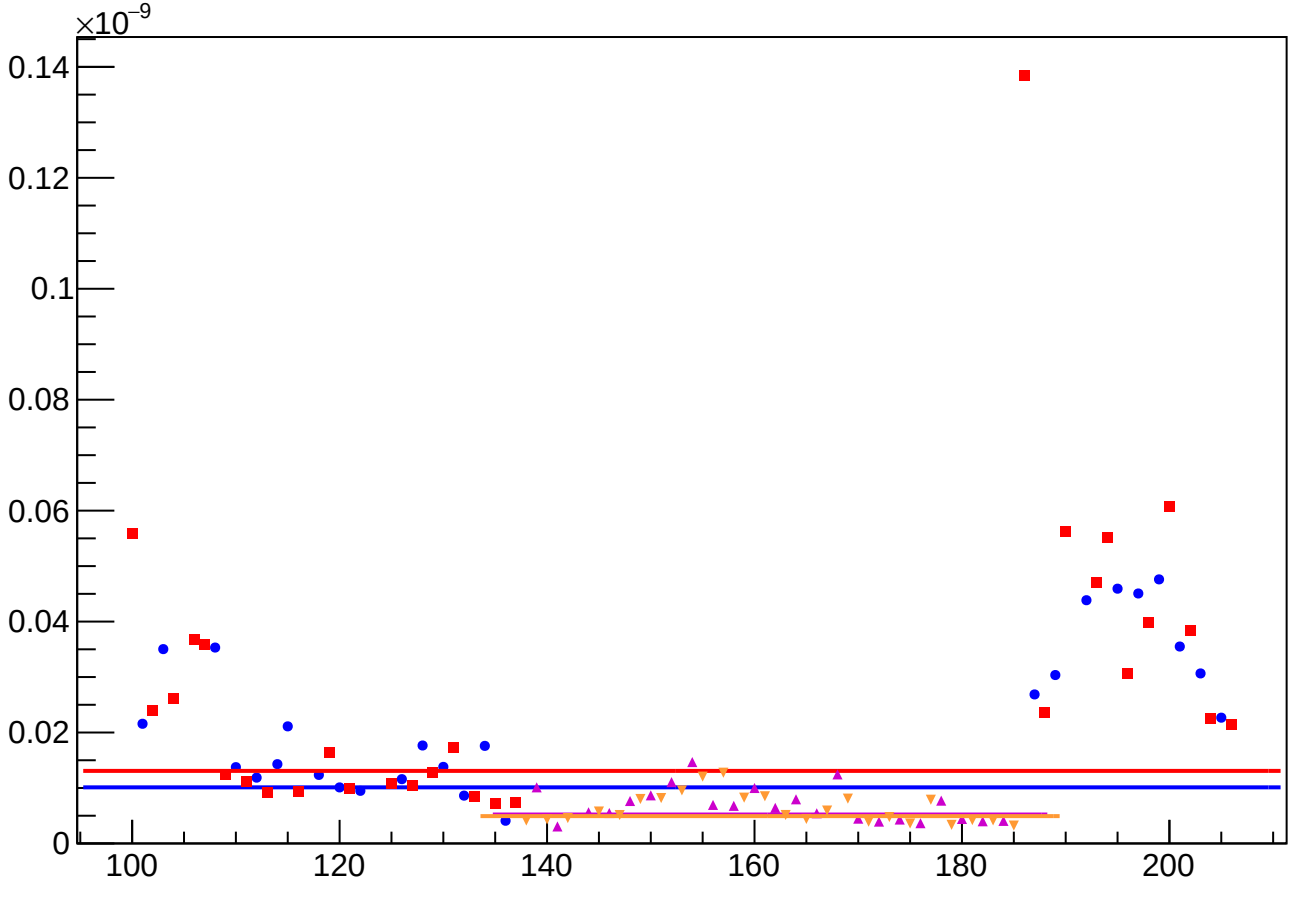
Right: -0.000+/-0.000 χ^2/NDF: 72.9/53

In: -0.000+/-0.000 χ^2/NDF:67.4/47

Out: -0.000+/-0.000 χ^2/NDF:53.1/52

All: -0.000+/-0.000 χ^2/NDF: 120.5/100

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6930288.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5743302.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

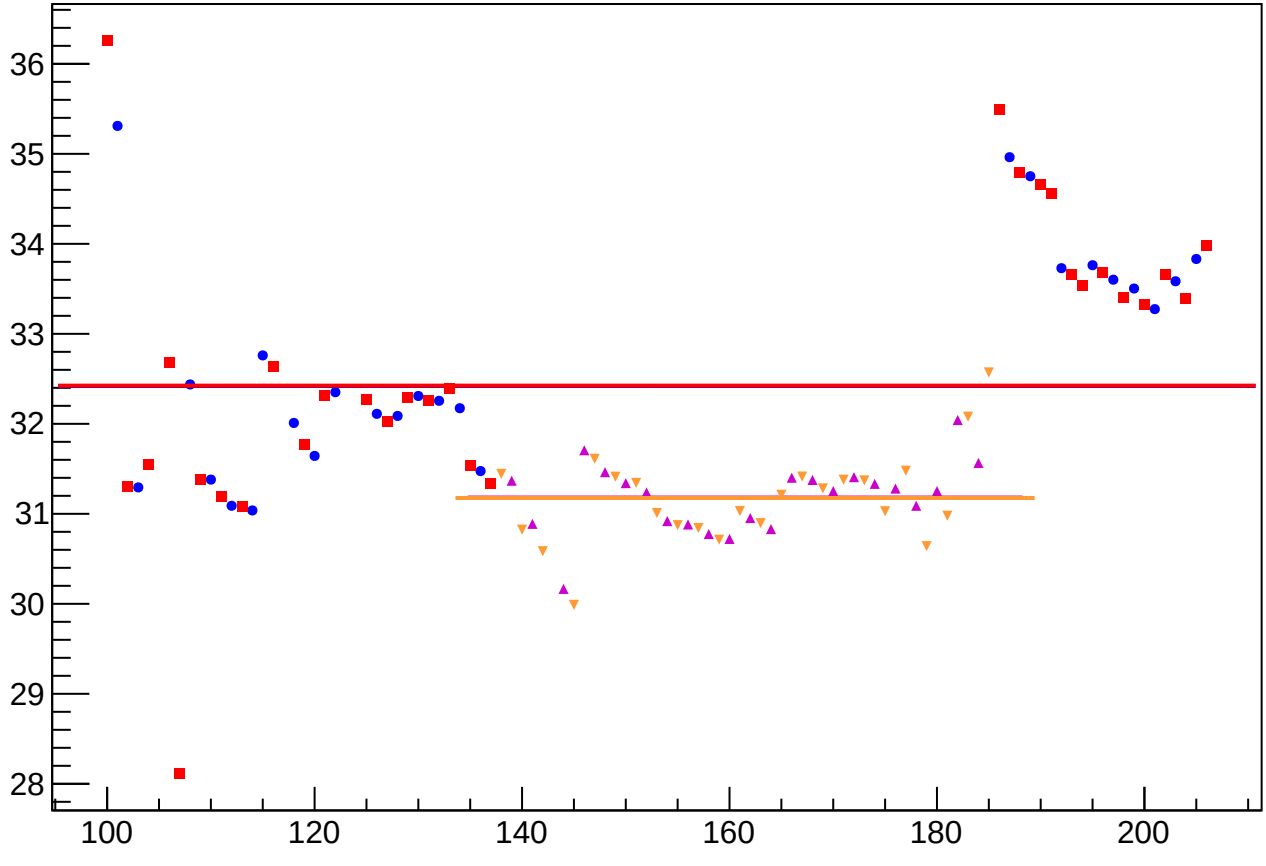
Right: 0.000+/-0.000 χ^2/NDF: 13035043.8/53

In: 0.000+/-0.000 χ^2/NDF:12386034.6/47

Out: 0.000+/-0.000 χ^2/NDF:12813553.0/52

All: 0.000+/-0.000 χ^2/NDF: 25211589.6/100

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.420+/-0.000 χ^2/NDF: 1802216470.8/24

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.424+/-0.000 χ^2/NDF: 2005075442.2/29

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

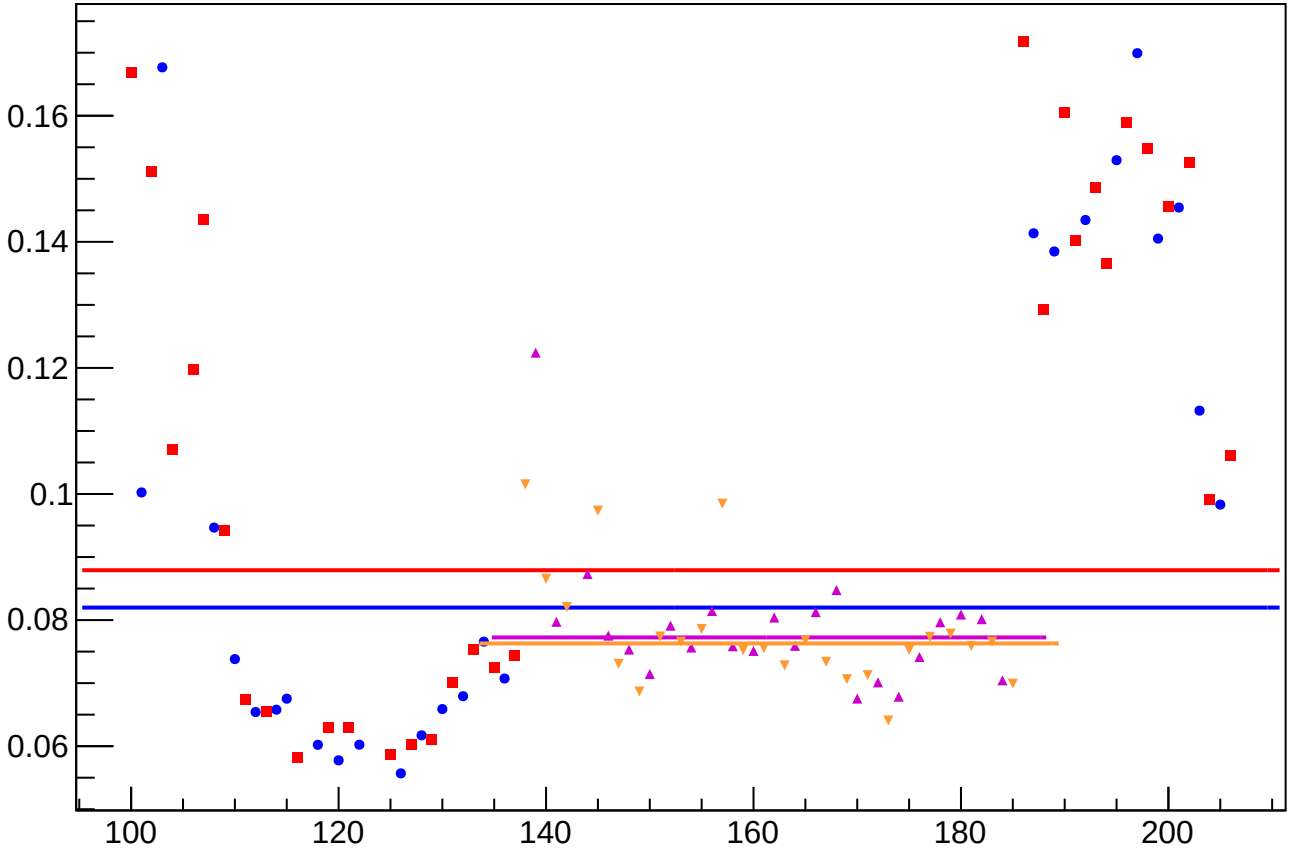
Right: 32.422+/-0.000 χ^2/NDF: 3807308114.3/54

In: 31.654+/-0.000 χ^2/NDF:3803624499.4/47

Out: 31.644+/-0.000 χ^2/NDF:4218728519.1/53

All: 31.649+/-0.000 χ^2/NDF: 8022570517.7/1

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 3342182.2/24

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3939244.9/29

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

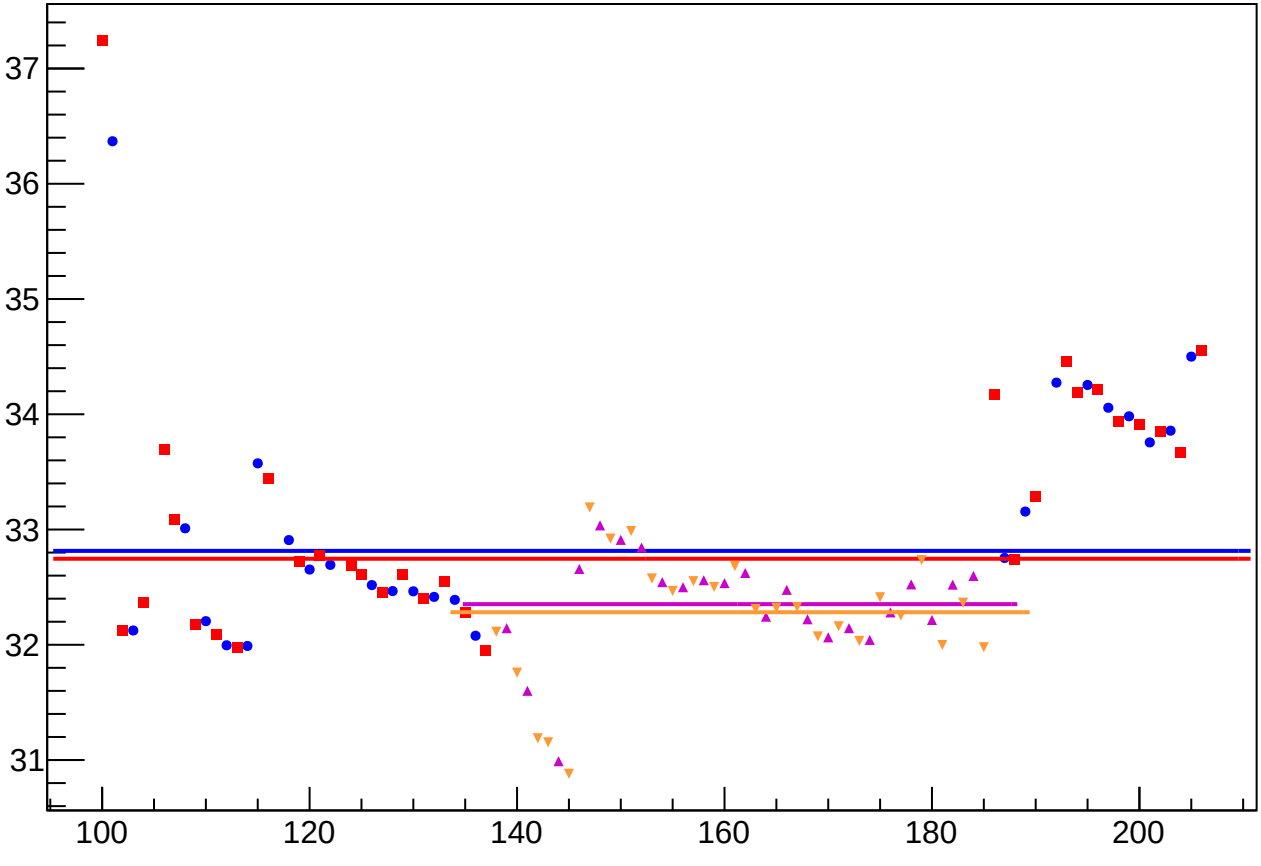
Right: 0.085+/-0.000 χ^2/NDF: 7341858.4/54

In: 0.079+/-0.000 χ^2/NDF:3754886.8/47

Out: 0.081+/-0.000 χ^2/NDF:4587390.4/53

All: 0.080+/-0.000 χ^2/NDF: 8353878.1/101

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.815+/-0.000 χ^2/NDF: 980464329.1/24

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.747+/-0.000 χ^2/NDF: 529551502.6/29

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

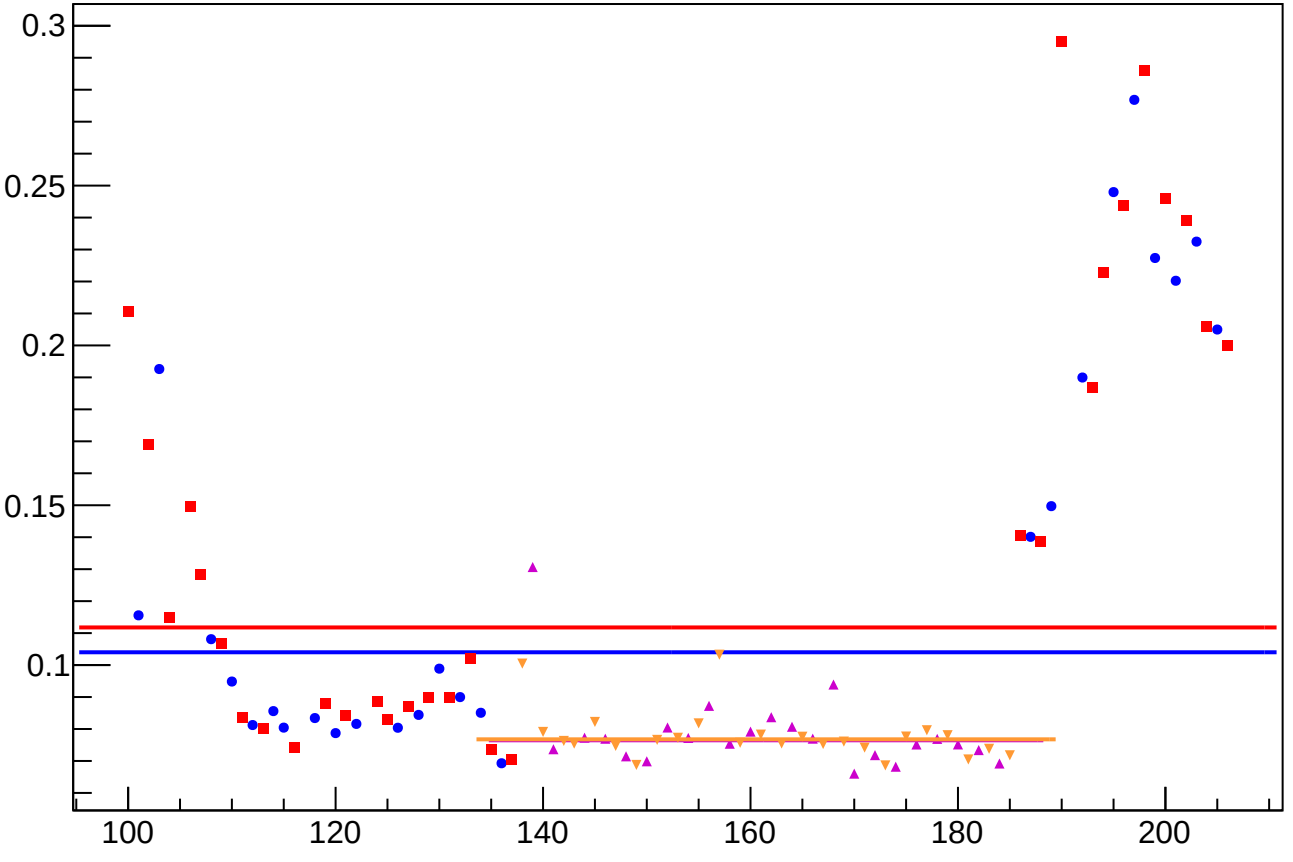
Right: 32.780+/-0.000 χ^2/NDF: 1512322115.8/54

In: 32.471+/-0.000 χ^2/NDF:1727731971.5/47

Out: 32.398+/-0.000 χ^2/NDF:1529697987.6/54

All: 32.434+/-0.000 χ^2/NDF: 3267813178.7/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.104+/-0.000 χ^2/NDF: 4634391.0/24

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.112+/-0.000 χ^2/NDF: 5163159.9/29

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

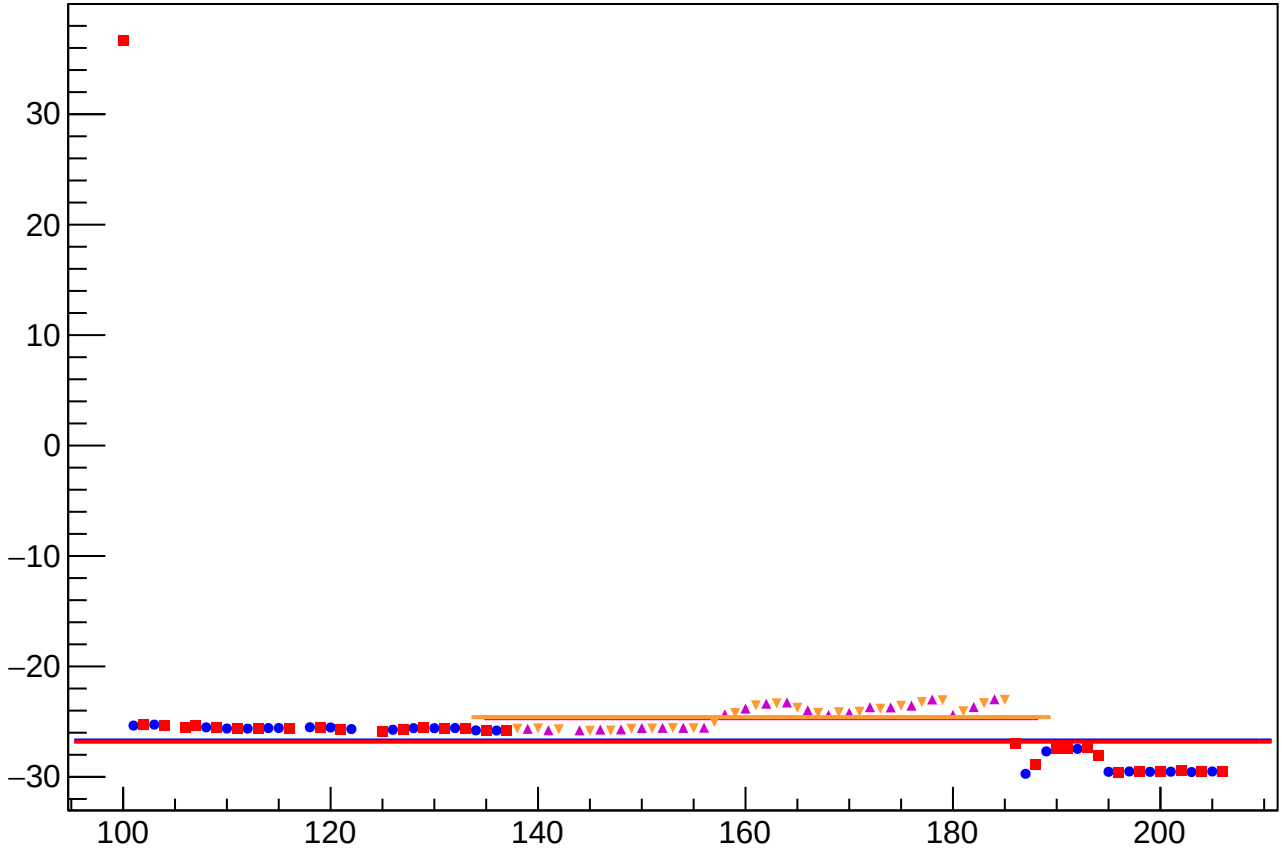
Right: 0.108+/-0.000 χ^2/NDF: 9857544.7/54

In: 0.084+/-0.000 χ^2/NDF:6234415.4/47

Out: 0.086+/-0.000 χ^2/NDF:7247707.3/54

All: 0.085+/-0.000 χ^2/NDF: 13497567.9/102

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.705+/-0.000 χ^2/NDF: 17479497321.5/24

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.817+/-0.000 χ^2/NDF: 27859199827.2/29

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

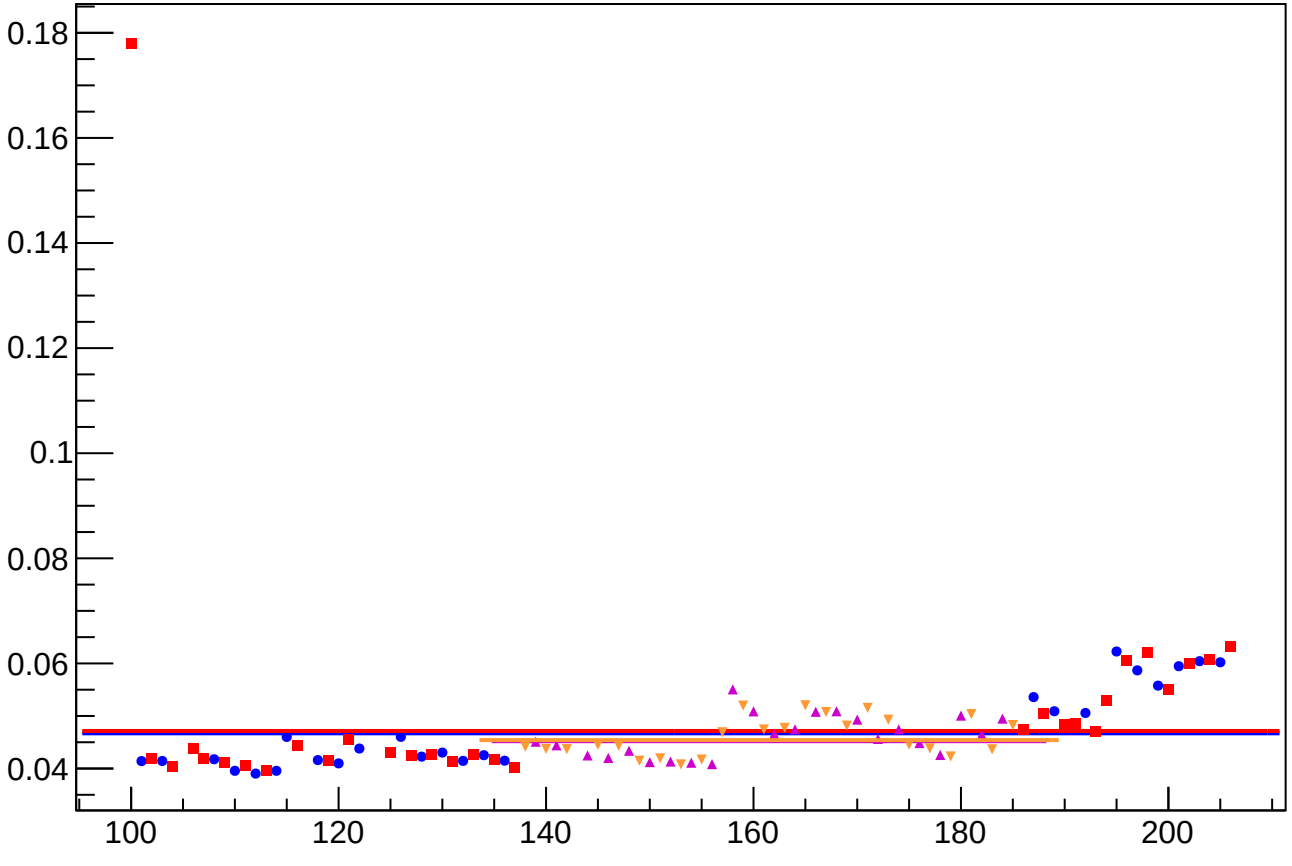
Right: -26.764+/-0.000 χ^2/NDF: 45379846747.7/54

In: -25.522+/-0.000 χ^2/NDF:40943267956.9/47

Out: -25.577+/-0.000 χ^2/NDF:56310115421.8/53

All: -25.550+/-0.000 χ^2/NDF: 97276121257.

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 703180.1/24

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 843336.9/29

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

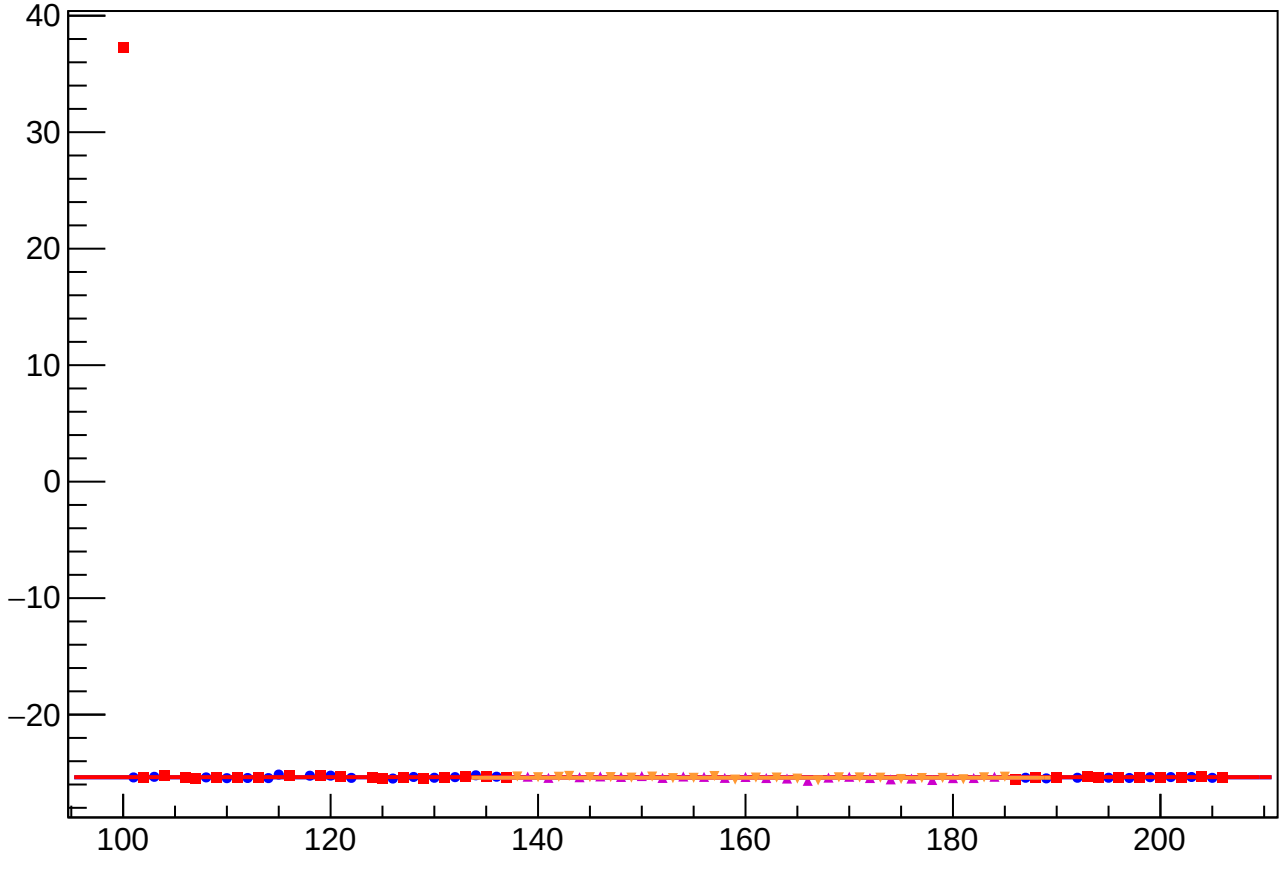
Right: 0.047+/-0.000 χ^2/NDF: 1547819.1/54

In: 0.046+/-0.000 χ^2/NDF:963981.9/47

Out: 0.046+/-0.000 χ^2/NDF:1072395.3/53

All: 0.046+/-0.000 χ^2/NDF: 2038302.2/101

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.385+/-0.000 χ^2/NDF: 19436875.1/24

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.367+/-0.000 χ^2/NDF: 6331886386.3/29

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

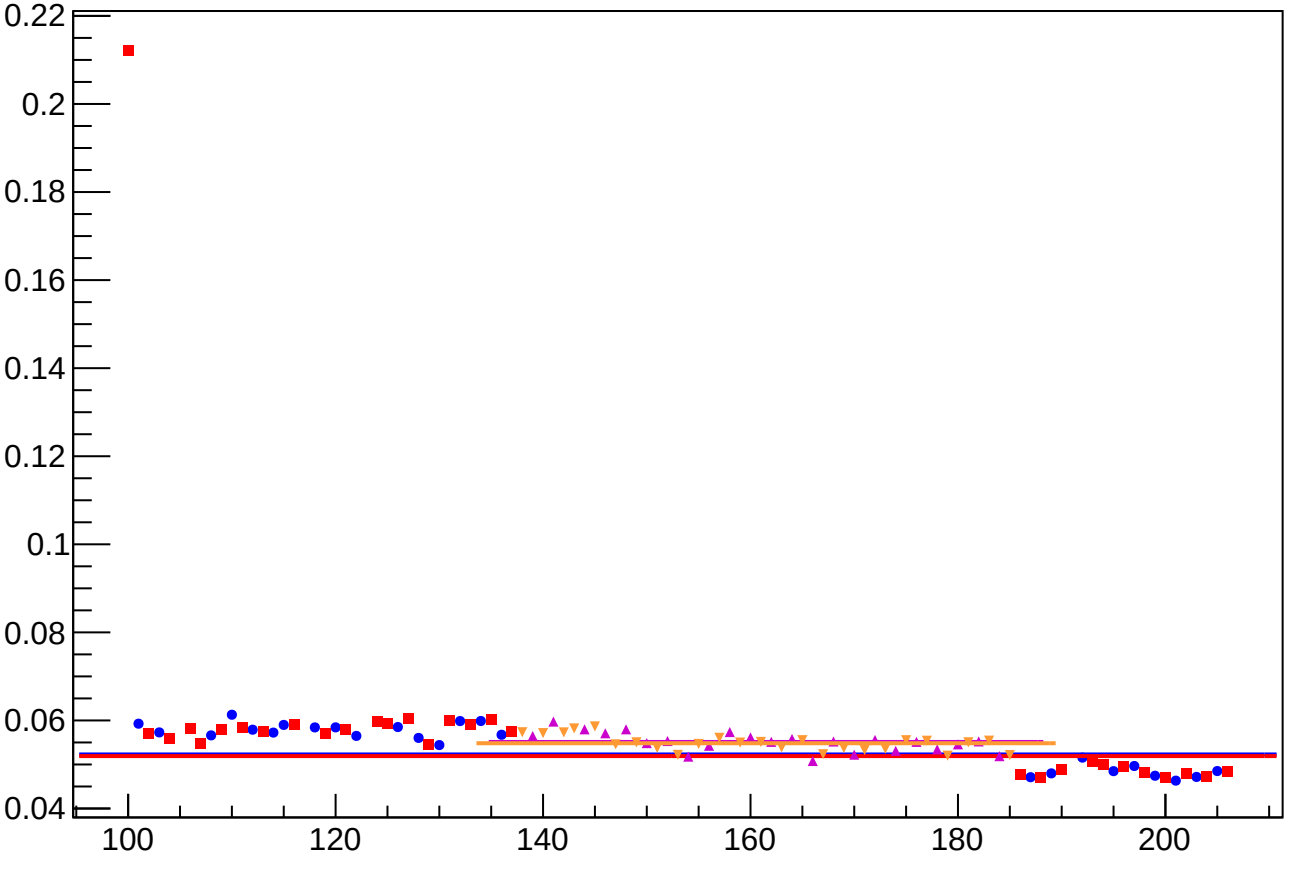
Right: -25.376+/-0.000 χ^2/NDF: 6352184482.2/54

In: -25.401+/-0.000 χ^2/NDF:77533838.4/47

Out: -25.393+/-0.000 χ^2/NDF:6391427377.9/54

All: -25.397+/-0.000 χ^2/NDF: 6469323125.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 238720.3/24

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 352188.9/29

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

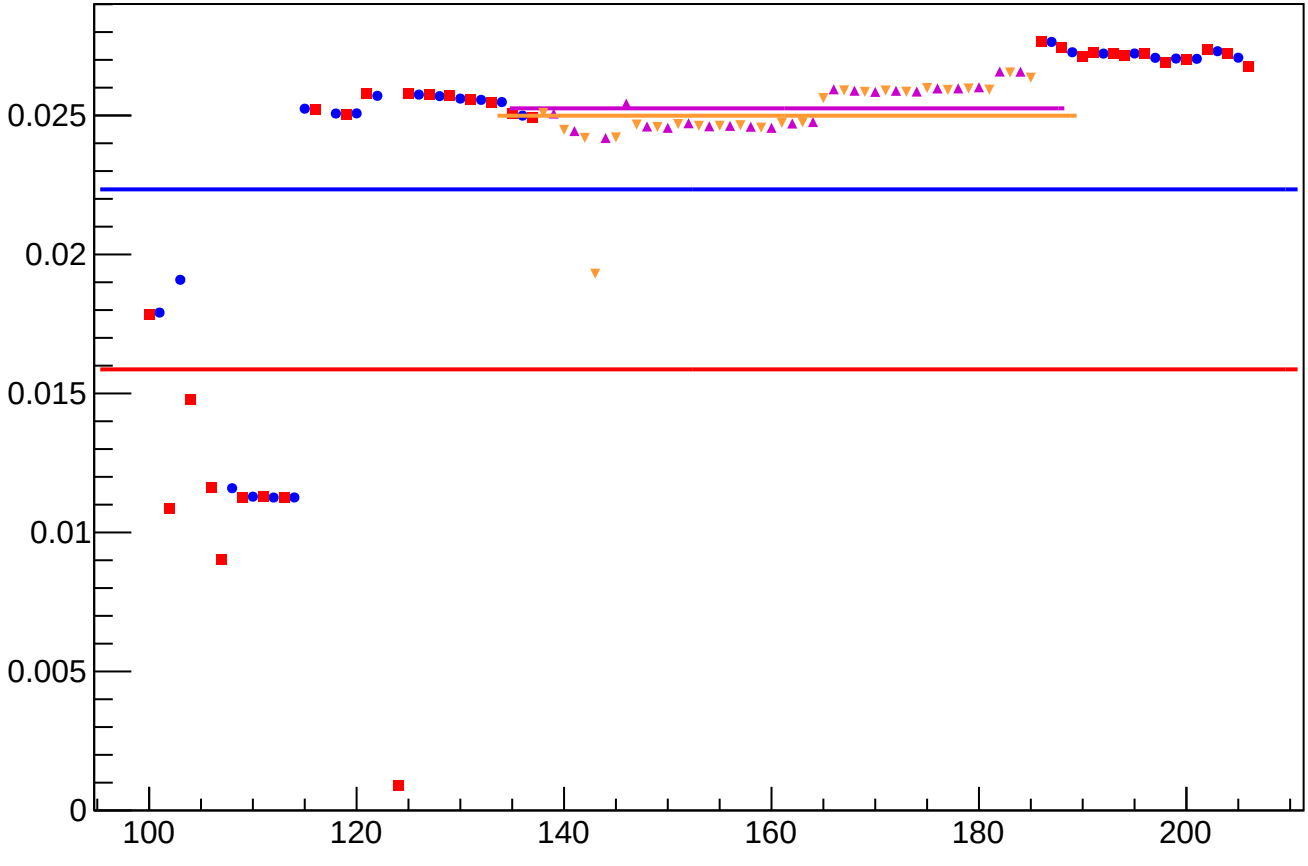
Right: 0.052+/-0.000 χ^2/NDF: 591644.7/54

In: 0.054+/-0.000 χ^2/NDF:333441.2/47

Out: 0.053+/-0.000 χ^2/NDF:441366.9/54

All: 0.054+/-0.000 χ^2/NDF: 776550.7/102

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 89632974474.9/24

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 429639270604.0/30

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

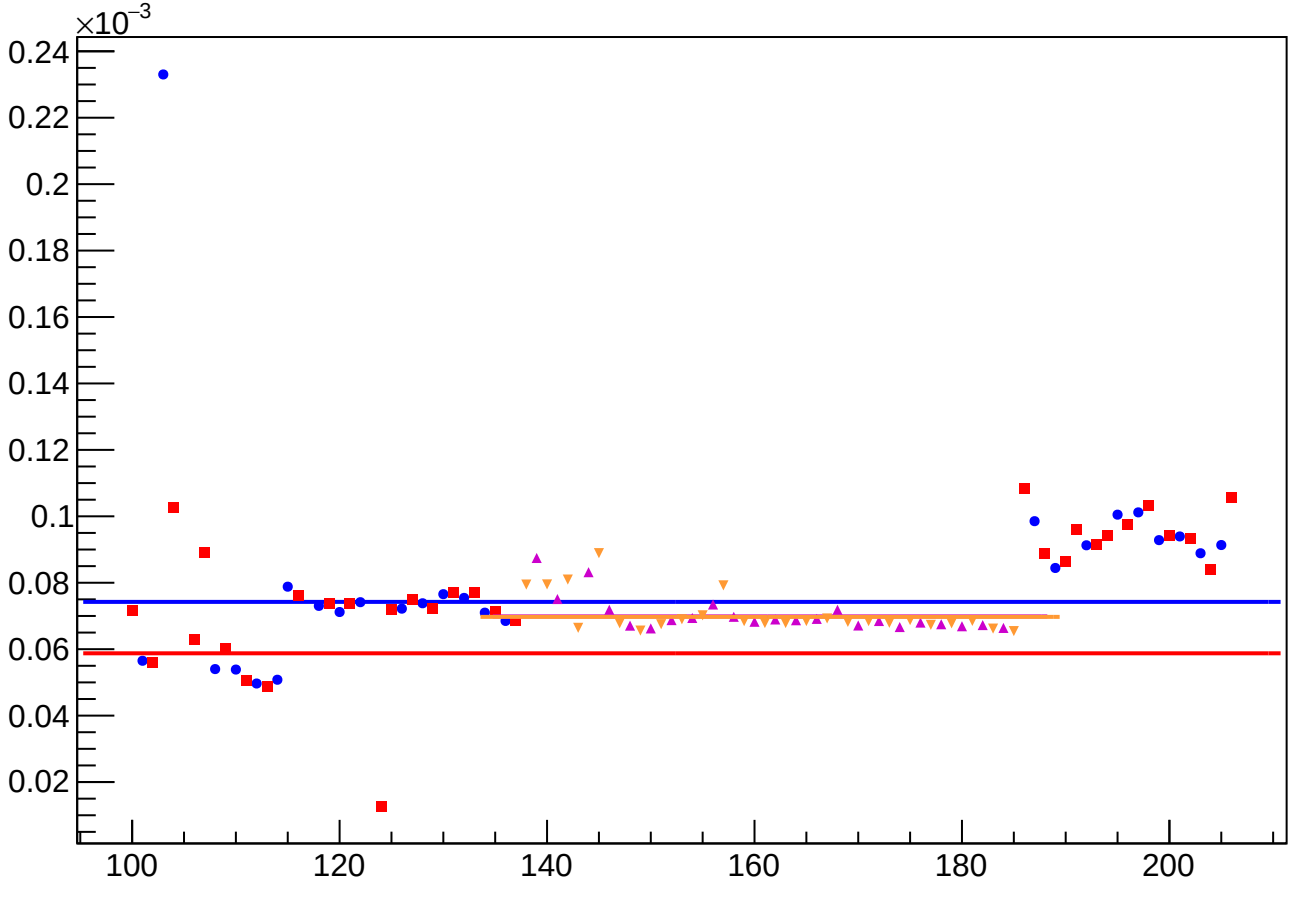
Right: 0.018+/-0.000 χ^2/NDF: 578026330099.5/55

In: 0.024+/-0.000 χ^2/NDF:103658409782.1/47

Out: 0.021+/-0.000 χ^2/NDF:591189508602.7/55

All: 0.022+/-0.000 χ^2/NDF: 734537813051.0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1675160.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7302844.6/30

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

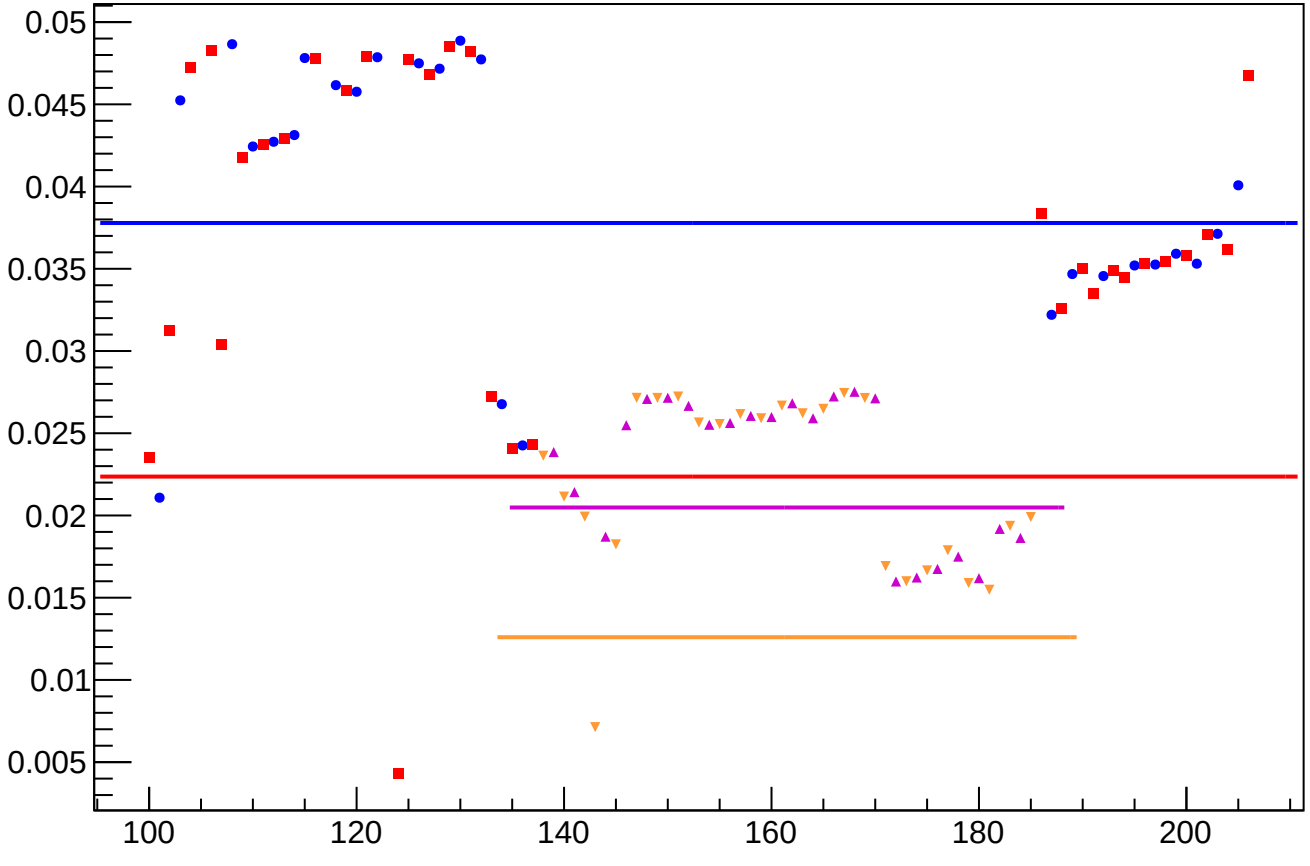
Right: 0.000+/-0.000 χ^2/NDF: 9649568.2/55

In: 0.000+/-0.000 χ^2/NDF:1882128.9/47

Out: 0.000+/-0.000 χ^2/NDF:7935057.7/55

All: 0.000+/-0.000 χ^2/NDF: 10145600.9/103

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7227987754.0/24

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 46853034264.6/30

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

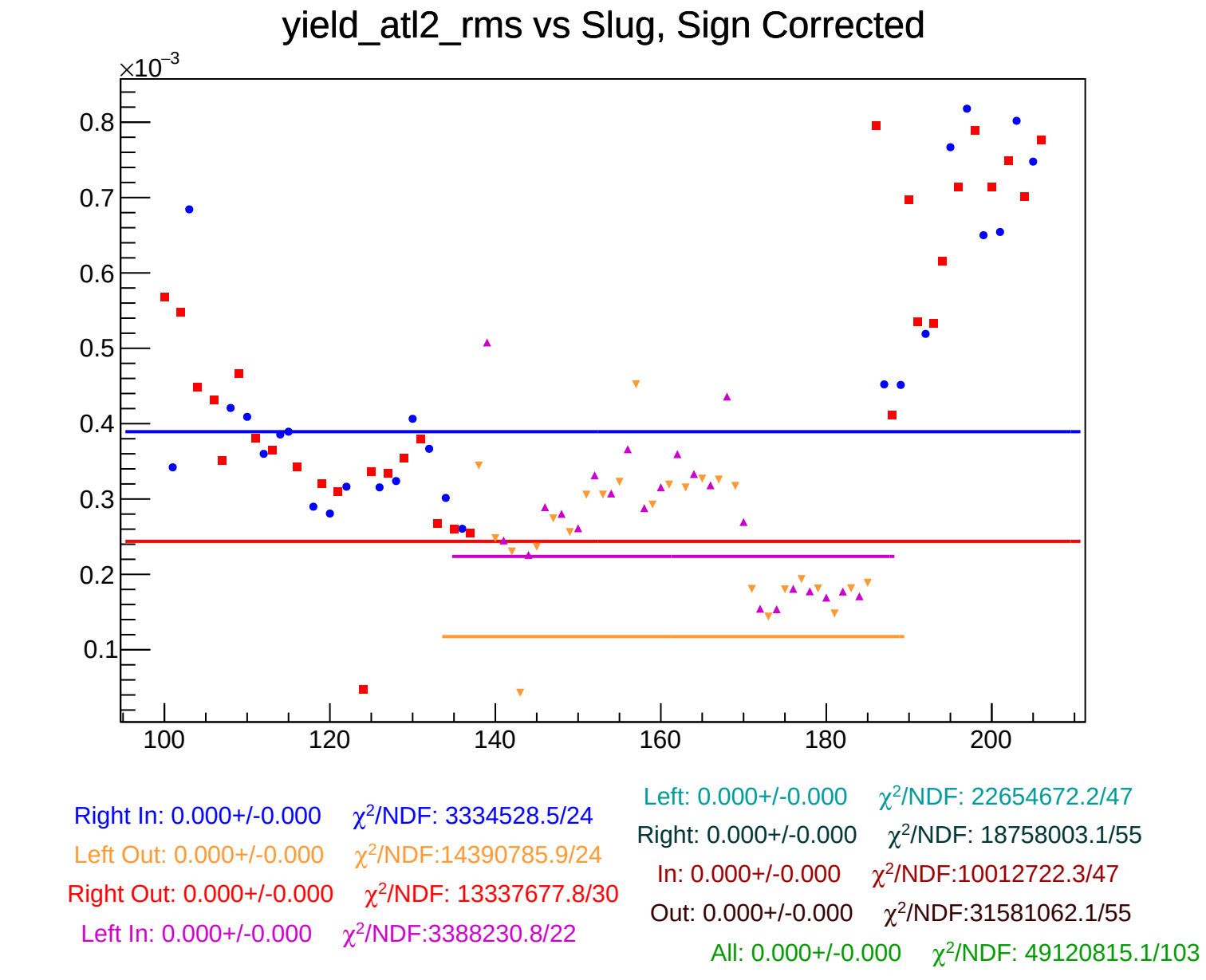
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 65793196861.0/55

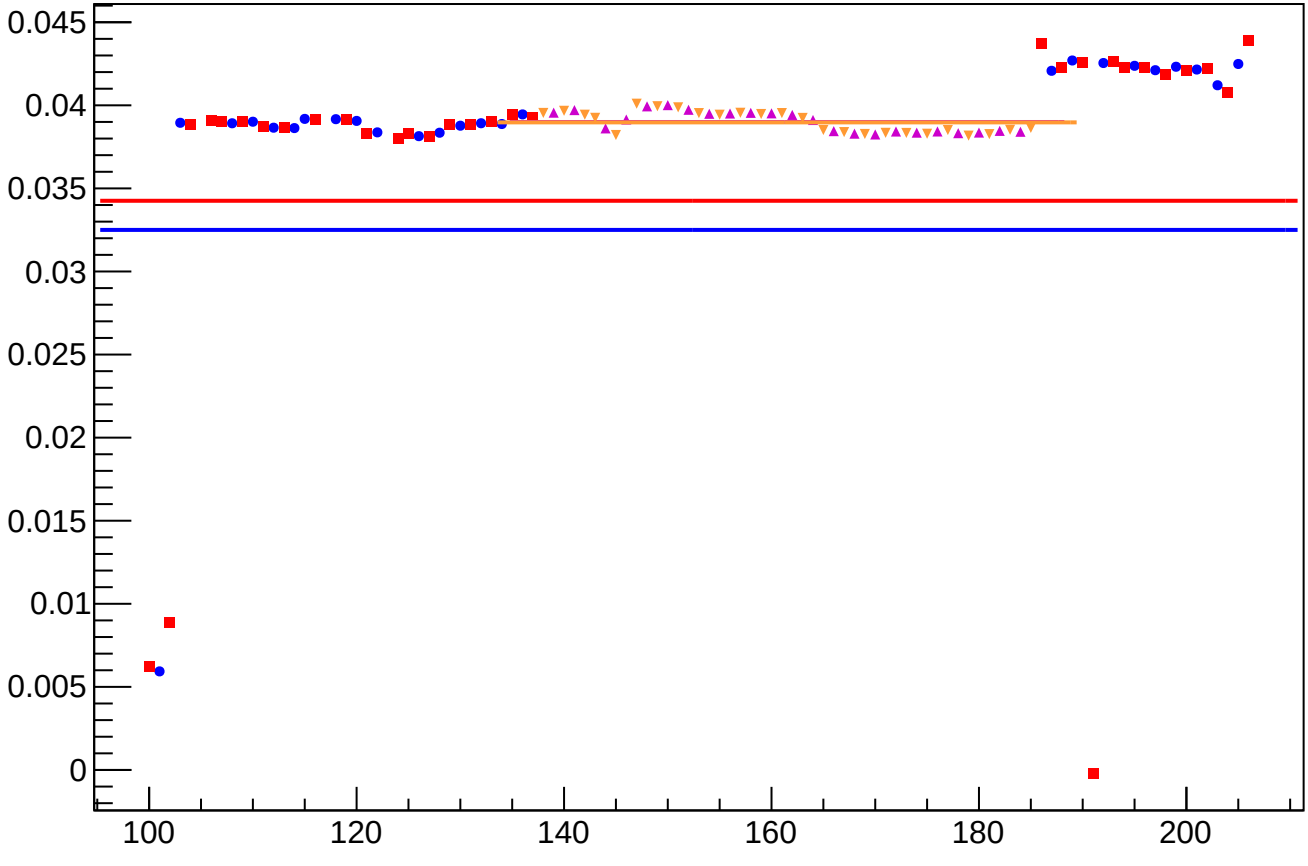
In: 0.024+/-0.000 χ^2/NDF:31302185632.8/47

Out: 0.014+/-0.000 χ^2/NDF:95694528848.2/55

All: 0.017+/-0.000 χ^2/NDF: 152304755361.4


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3334528.5/24
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 13337677.8/30
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 18758003.1/55
In: 0.000+/-0.000 χ²/NDF:10012722.3/47
Out: 0.000+/-0.000 χ²/NDF:31581062.1/55
All: 0.000+/-0.000 χ²/NDF: 49120815.1/103

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 124031268492.8/24

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 118865602388.4/30

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

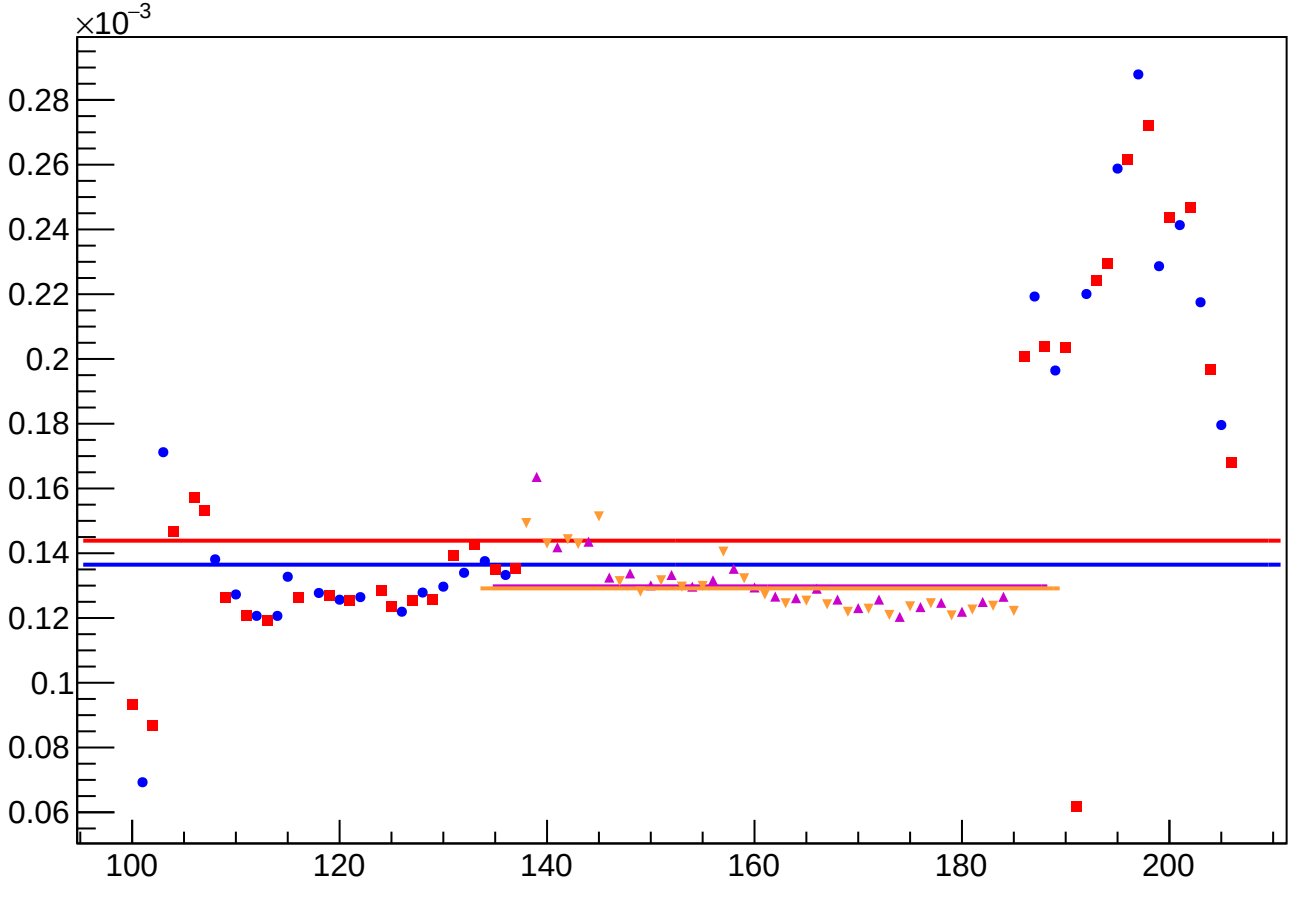
Right: 0.033+/-0.000 χ^2/NDF: 243906419803.8/55

In: 0.037+/-0.000 χ^2/NDF:141260565736.6/47

Out: 0.037+/-0.000 χ^2/NDF:128756307879.7/55

All: 0.037+/-0.000 χ^2/NDF: 270391918012.8

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3475527.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3406806.9/30

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

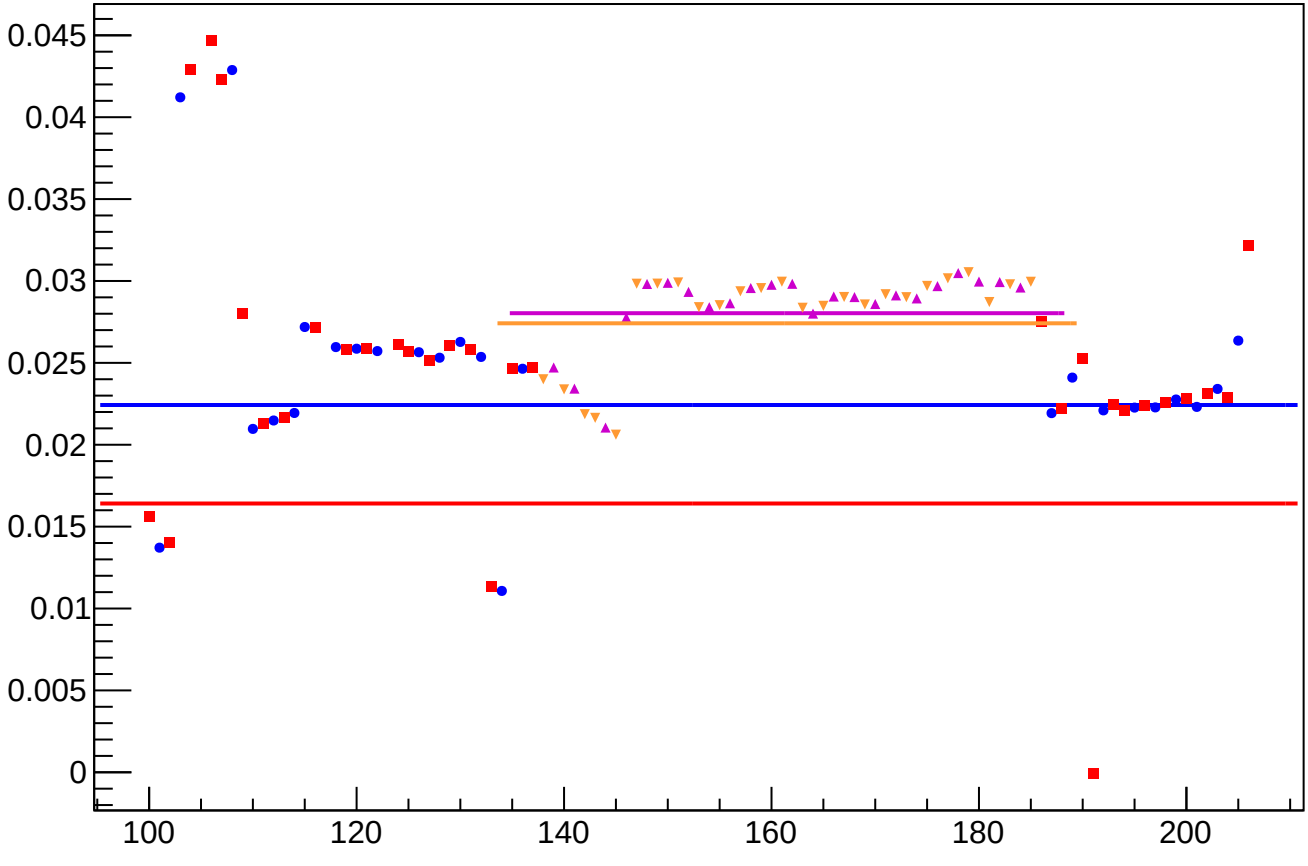
Right: 0.000+/-0.000 χ^2/NDF: 6918436.2/55

In: 0.000+/-0.000 χ^2/NDF:3653099.6/47

Out: 0.000+/-0.000 χ^2/NDF:3748012.3/55

All: 0.000+/-0.000 χ^2/NDF: 7410914.9/103

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5051424400.1/24

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25645452163.6/30

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

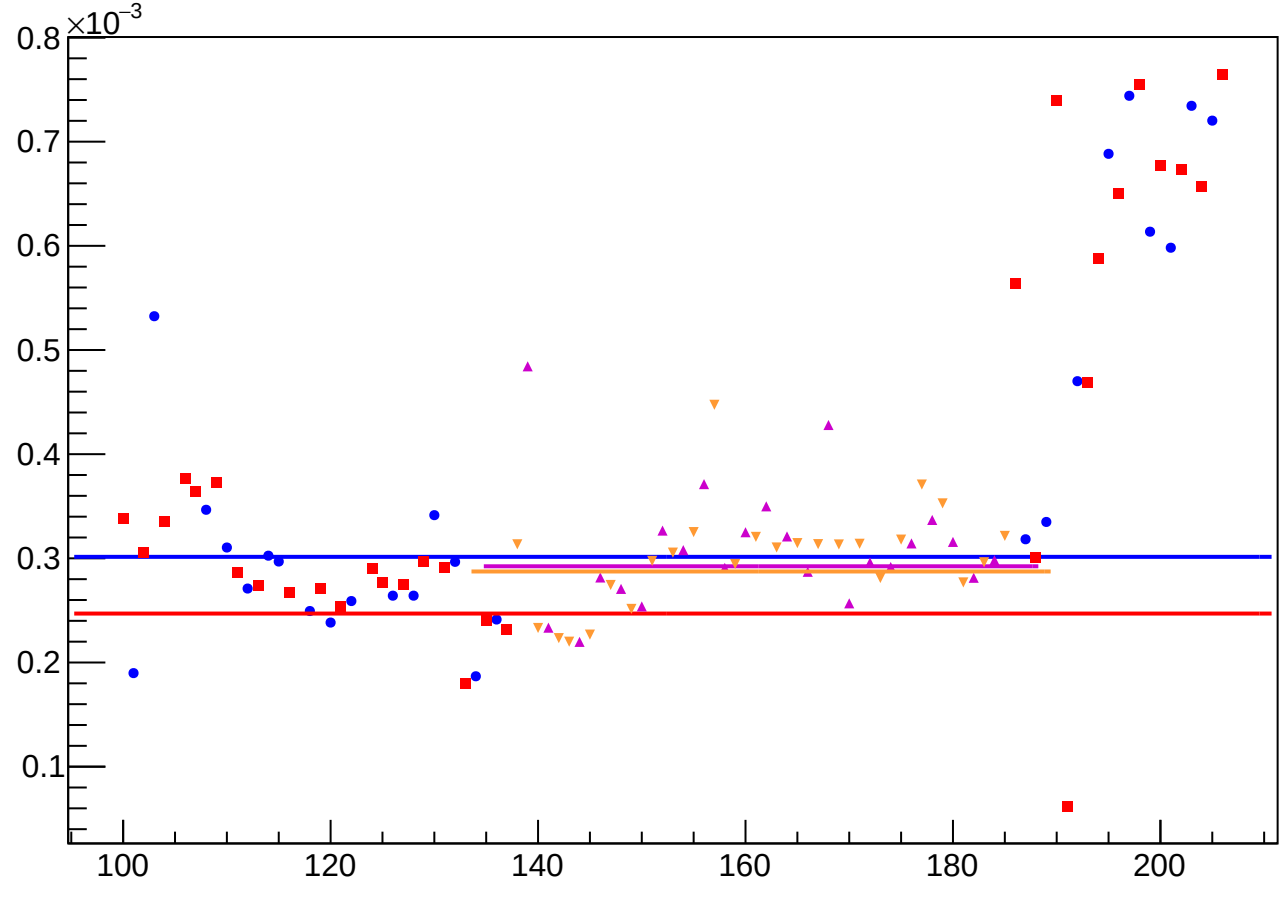
Right: 0.019+/-0.000 χ^2/NDF: 33205989424.0/55

In: 0.026+/-0.000 χ^2/NDF:8846957068.3/47

Out: 0.023+/-0.000 χ^2/NDF:39102141198.5/55

All: 0.024+/-0.000 χ^2/NDF: 49913178101.5/

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4426652.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9710737.7/30

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

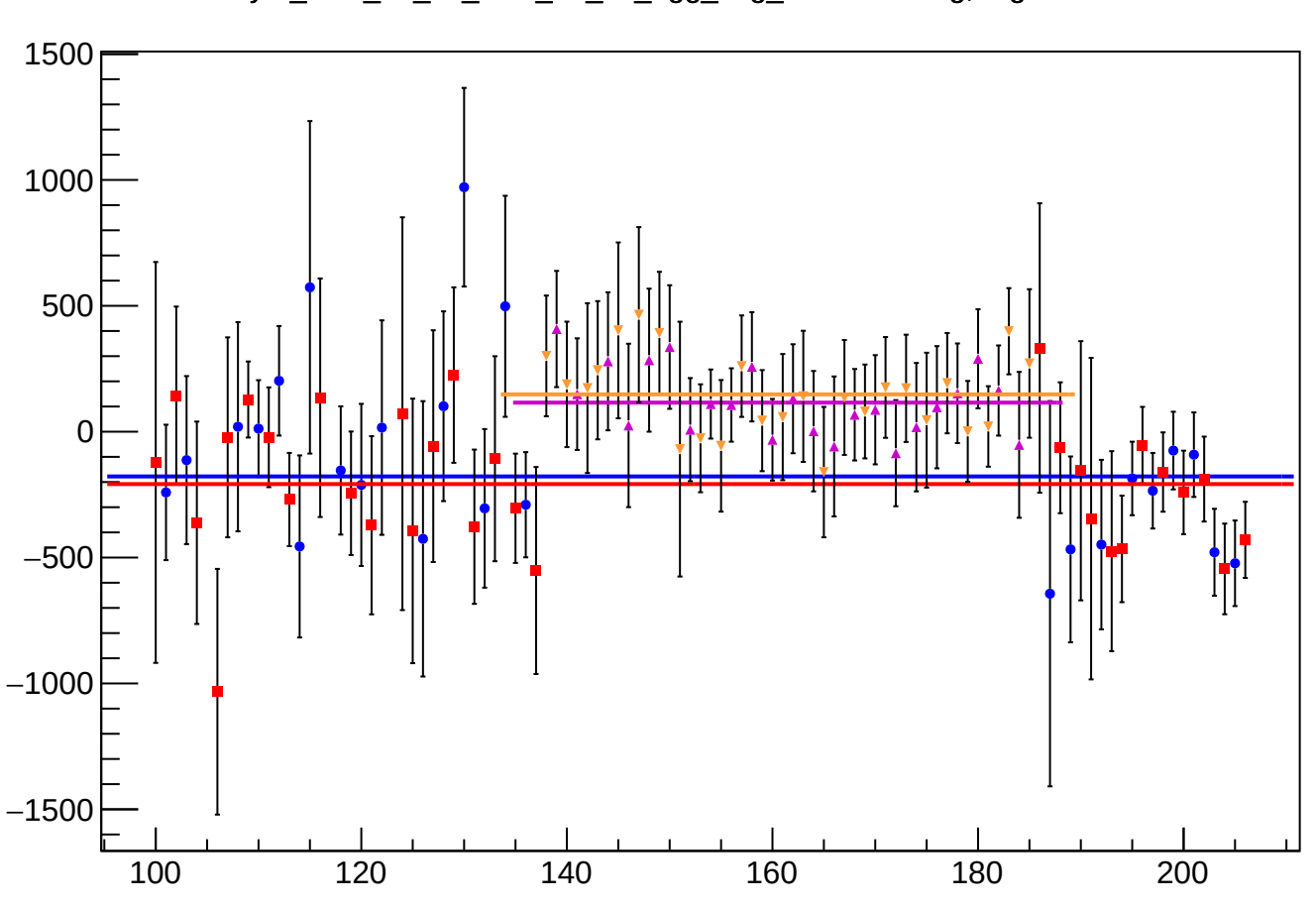
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14548525.9/55

In: 0.000+/-0.000 χ^2/NDF:5409185.4/47

Out: 0.000+/-0.000 χ^2/NDF:10834596.9/55

All: 0.000+/-0.000 χ^2/NDF: 16482146.8/103



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -208.126+/-44.796 χ^2/NDF: 24.1/30

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

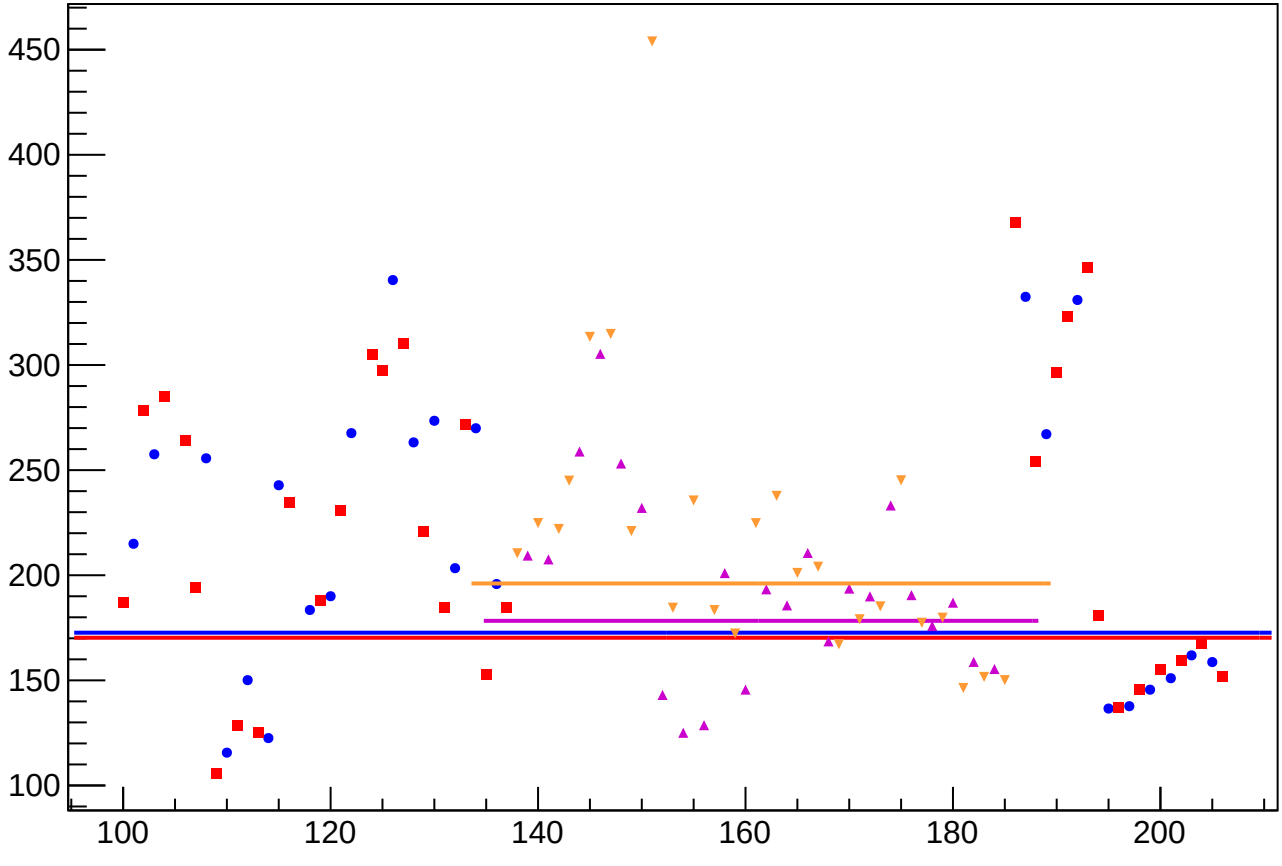
Right: -194.105+/-32.872 χ^2/NDF: 52.5/55

In: -15.799+/-32.378 χ^2/NDF:56.2/47

Out: -35.500+/-32.167 χ^2/NDF:65.1/55

All: -25.714+/-22.820 χ^2/NDF: 121.5/103

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 170.276+/-0.032 χ^2/NDF: 2935421.8/30

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

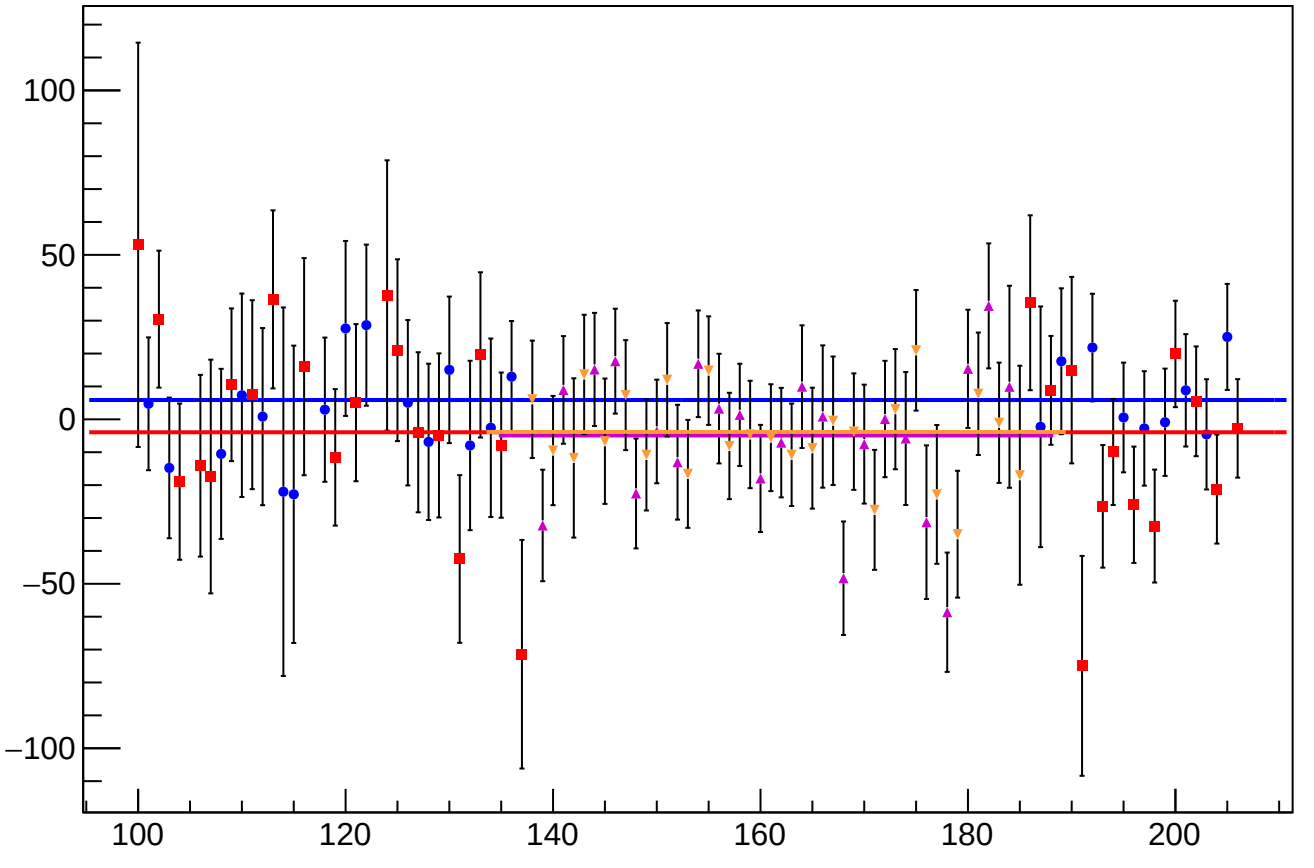
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 171.382+/-0.023 χ^2/NDF: 5146976.9/55

In: 175.790+/-0.023 χ^2/NDF:3902283.3/47

Out: 182.778+/-0.023 χ^2/NDF:5075524.7/55

All: 179.307+/-0.016 χ^2/NDF: 9024683.9/103



Right In: 5.874+/-4.293 χ^2/NDF: 8.2/24

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -3.933+/-3.980 χ^2/NDF: 33.7/30

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

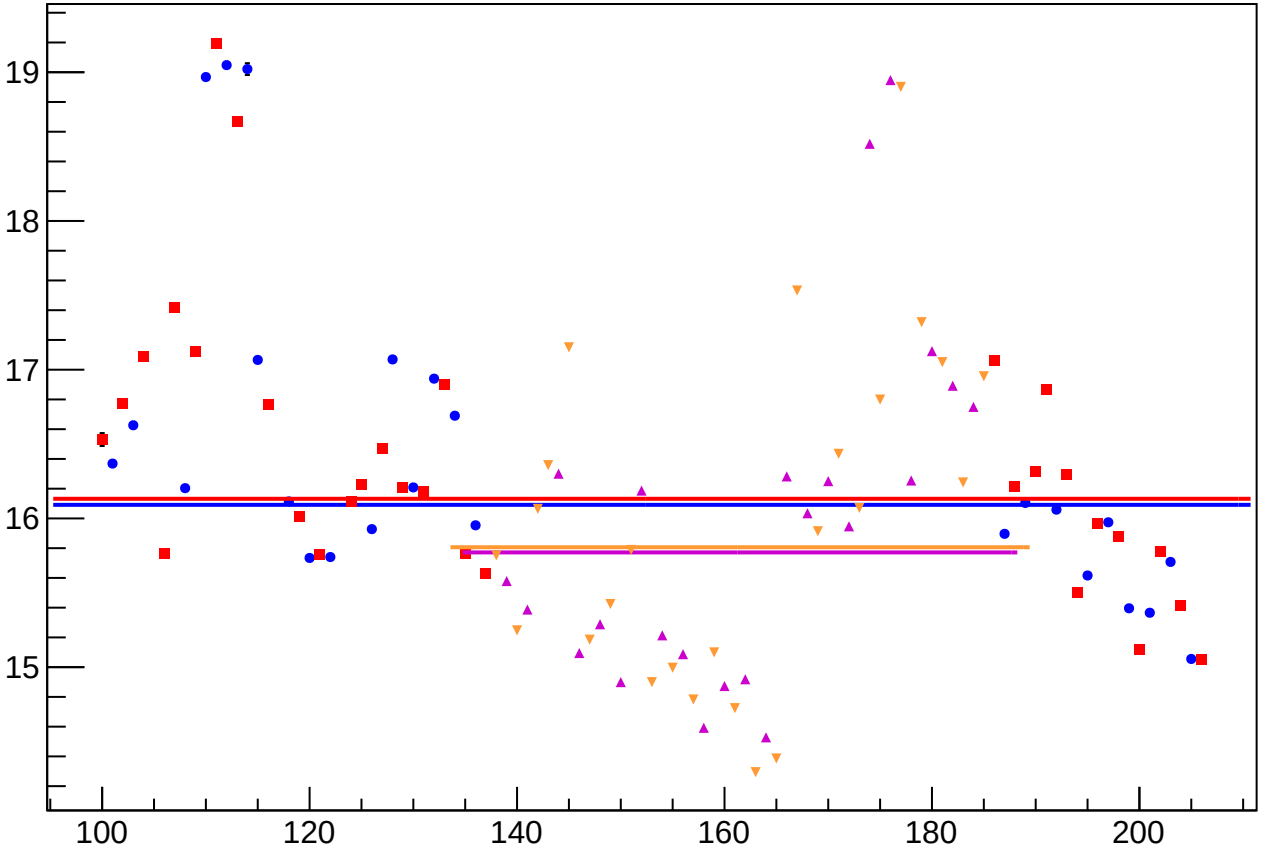
Right: 0.601+/-2.919 χ^2/NDF: 44.8/55

In: -0.316+/-2.801 χ^2/NDF:45.7/47

Out: -3.879+/-2.671 χ^2/NDF:46.6/55

All: -2.182+/-1.933 χ^2/NDF: 93.2/103

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.091+/-0.003 χ^2/NDF: 75377.8/24

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.132+/-0.003 χ^2/NDF: 86976.7/30

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

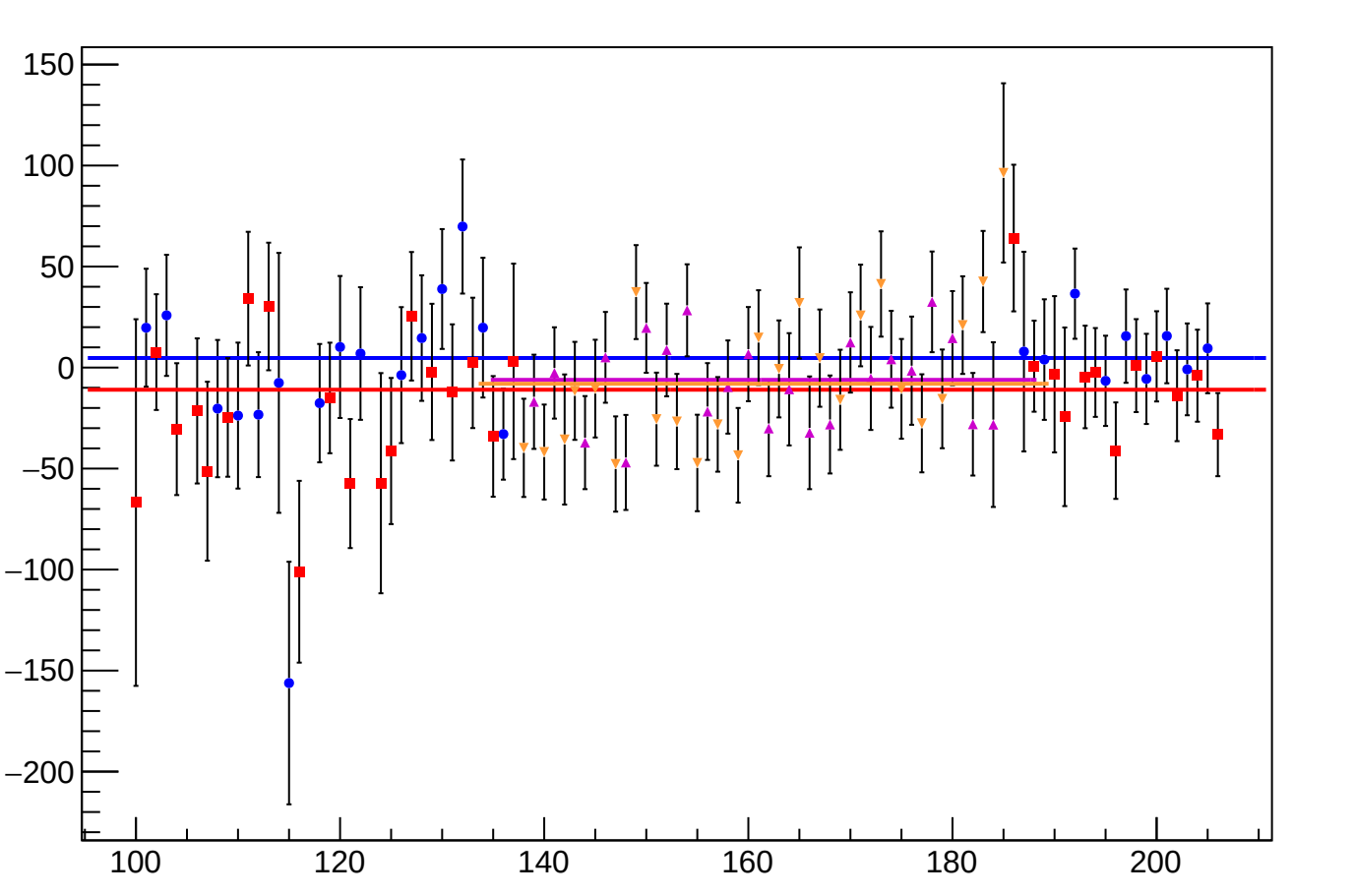
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.113+/-0.002 χ^2/NDF: 162450.8/55

In: 15.908+/-0.002 χ^2/NDF:233897.1/47

Out: 15.953+/-0.002 χ^2/NDF:266990.0/55

All: 15.931+/-0.001 χ^2/NDF: 501162.0/103



Right In: 4.737+/-5.740 χ^2/NDF: 21.9/24

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.967+/-5.326 χ^2/NDF: 24.2/30

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

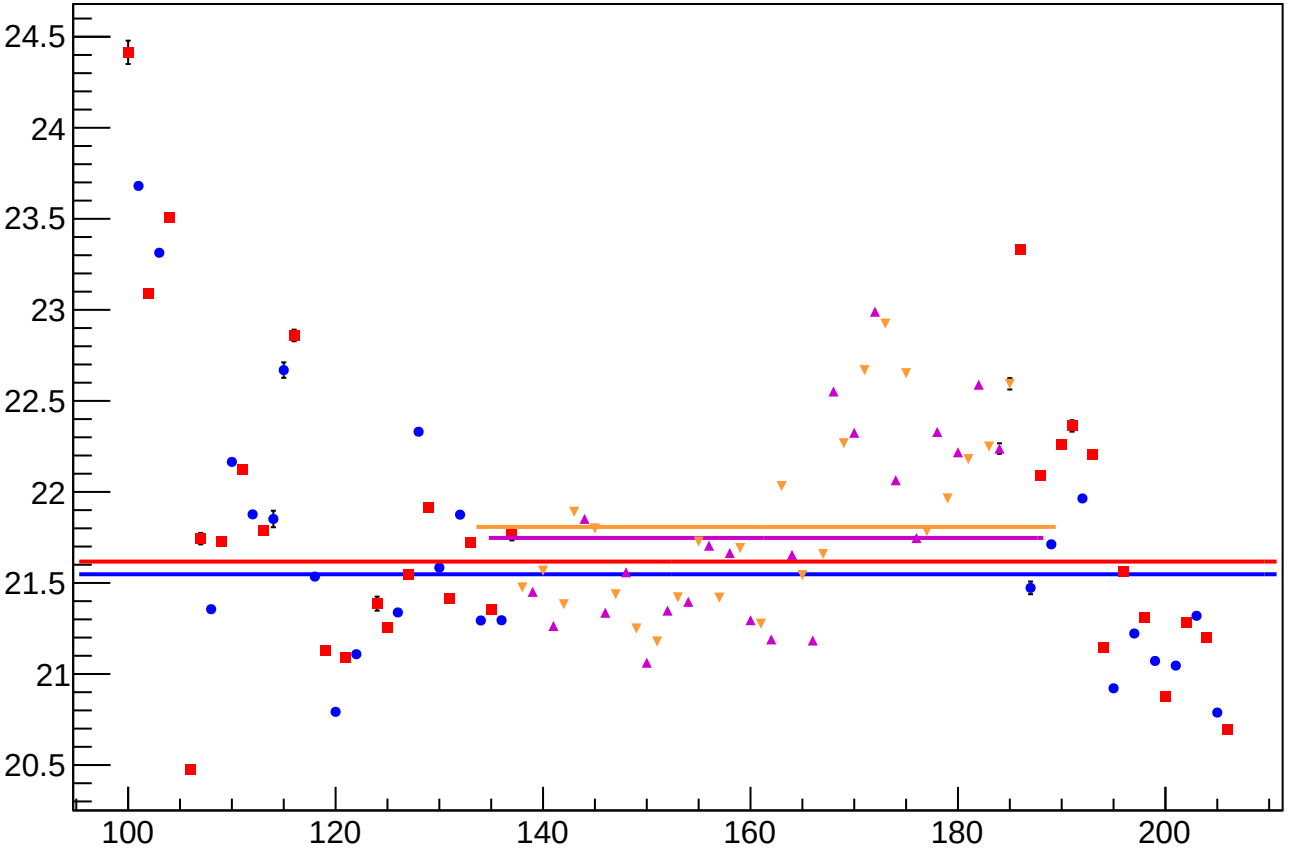
Right: -3.701+/-3.904 χ^2/NDF: 50.2/55

In: -1.332+/-3.804 χ^2/NDF:41.8/47

Out: -9.385+/-3.628 χ^2/NDF:63.2/55

All: -5.549+/-2.625 χ^2/NDF: 107.4/103

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.548+/-0.004 χ^2/NDF: 29506.7/24

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.617+/-0.004 χ^2/NDF: 36036.0/30

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

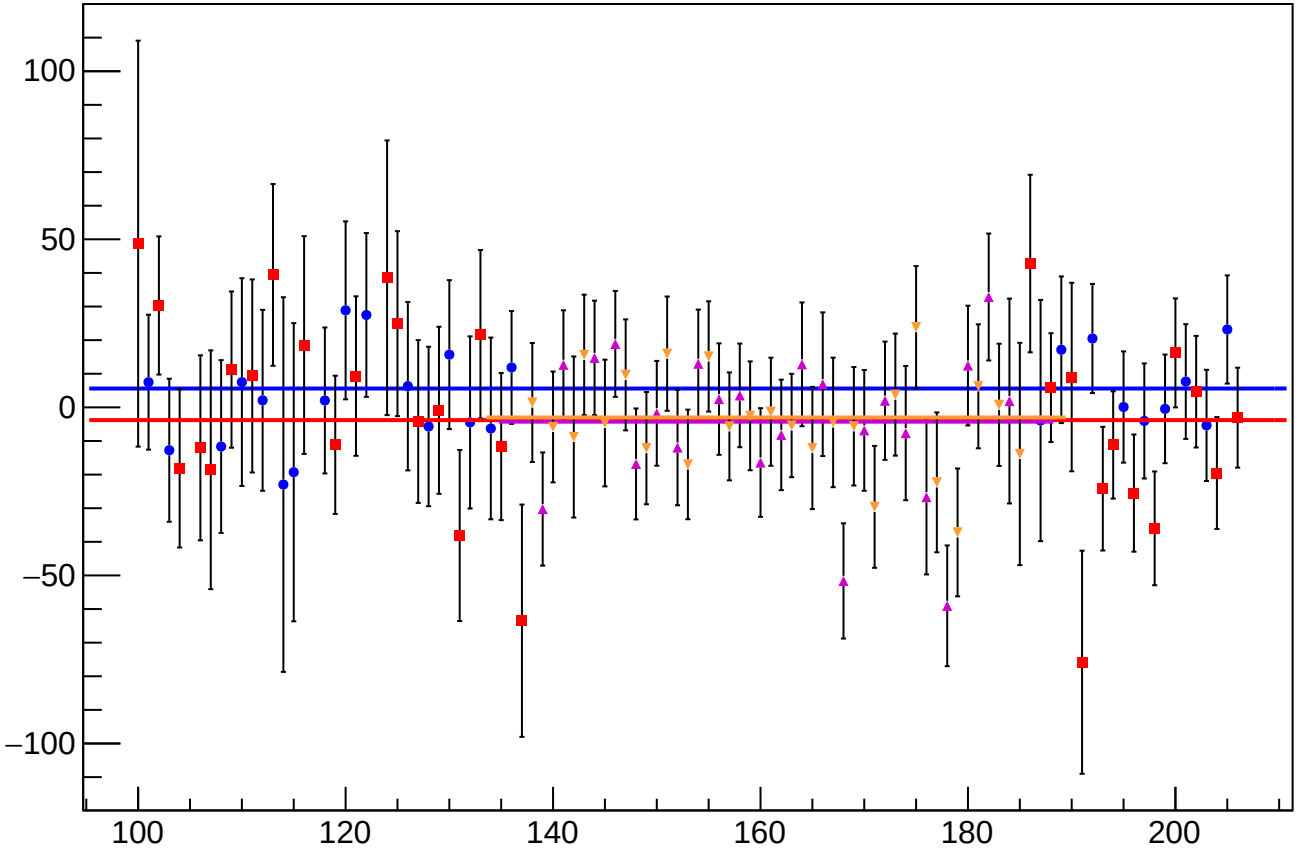
Right: 21.585+/-0.003 χ^2/NDF: 65701.1/55

In: 21.660+/-0.003 χ^2/NDF:51423.5/47

Out: 21.719+/-0.003 χ^2/NDF:54965.4/55

All: 21.691+/-0.002 χ^2/NDF: 106647.6/103

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.608+/-4.262 χ^2/NDF: 7.7/24

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.790+/-3.951 χ^2/NDF: 34.1/30

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

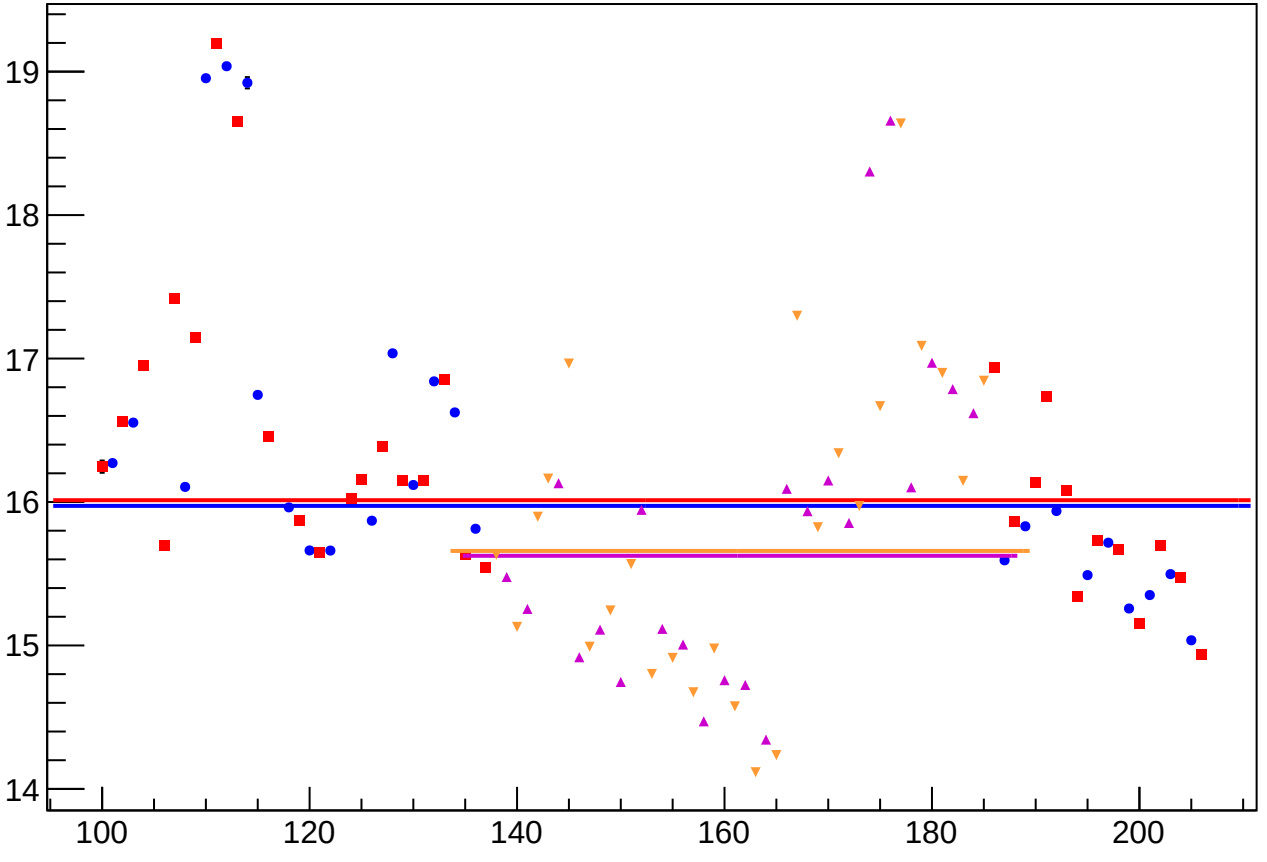
Right: 0.554+/-2.898 χ^2/NDF: 44.4/55

In: -0.064+/-2.777 χ^2/NDF:44.6/47

Out: -3.356+/-2.648 χ^2/NDF:48.7/55

All: -1.788+/-1.917 χ^2/NDF: 94.1/103

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.973+/-0.003 χ^2/NDF: 78584.9/24

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.012+/-0.003 χ^2/NDF: 88631.3/30

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

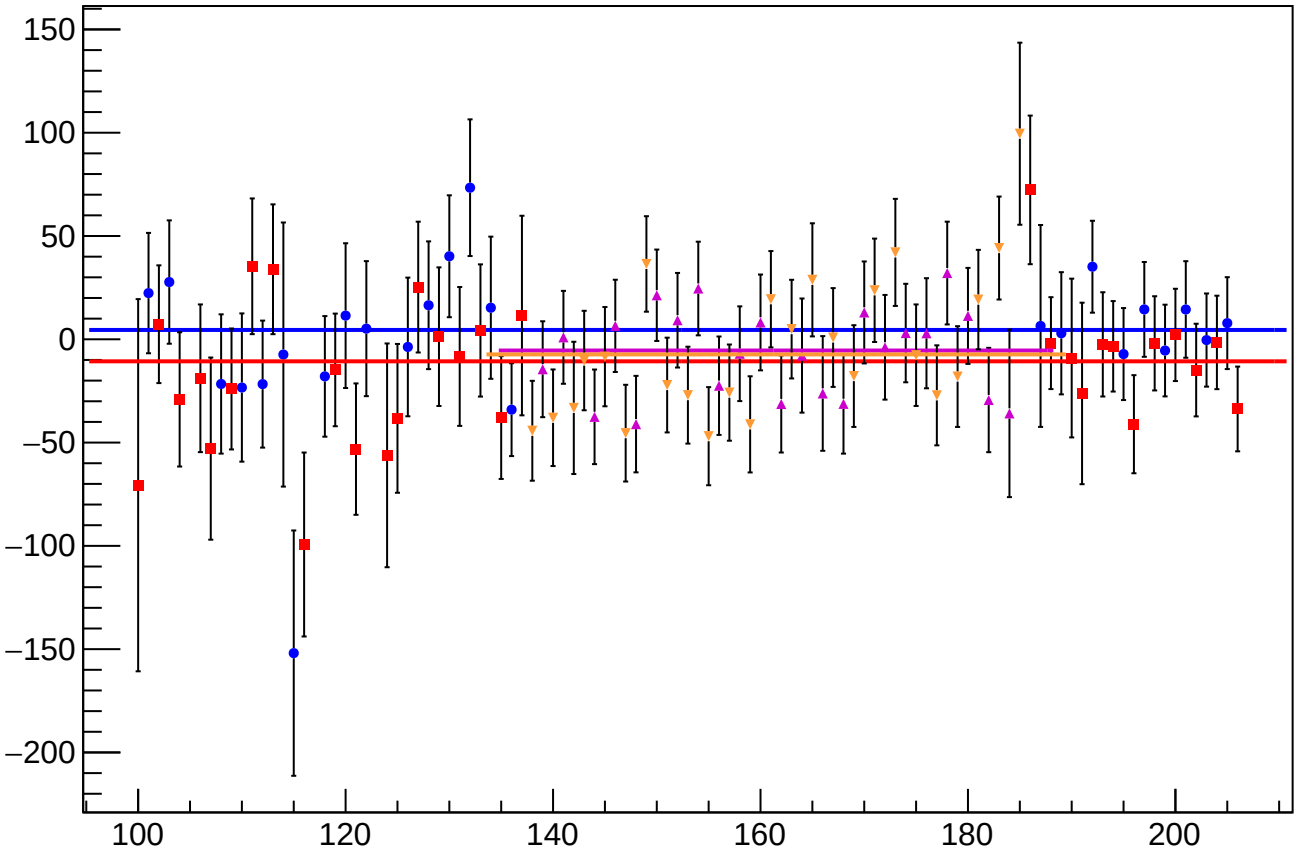
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.994+/-0.002 χ^2/NDF: 167308.5/55

In: 15.773+/-0.002 χ^2/NDF:236689.7/47

Out: 15.818+/-0.002 χ^2/NDF:267289.9/55

All: 15.796+/-0.001 χ^2/NDF: 504254.7/103



Right In: 4.527+/-5.713 χ^2/NDF: 22.4/24

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -10.665+/-5.298 χ^2/NDF: 25.5/30

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

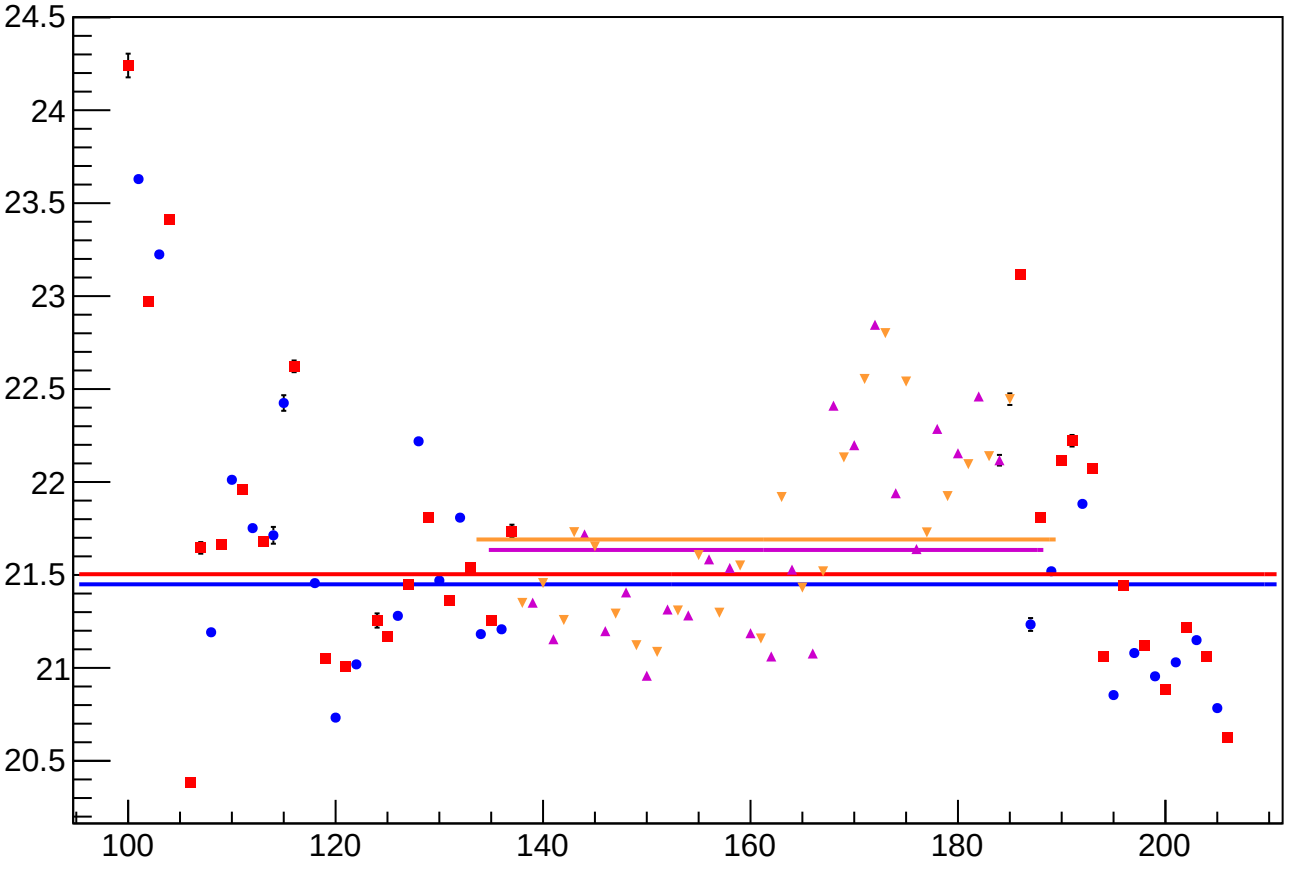
Right: -3.642+/-3.885 χ^2/NDF: 51.7/55

In: -1.062+/-3.785 χ^2/NDF:41.4/47

Out: -8.871+/-3.609 χ^2/NDF:64.3/55

All: -5.153+/-2.612 χ^2/NDF: 107.9/103

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.450+/-0.004 χ^2/NDF: 29239.3/24

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.504+/-0.004 χ^2/NDF: 33574.4/30

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

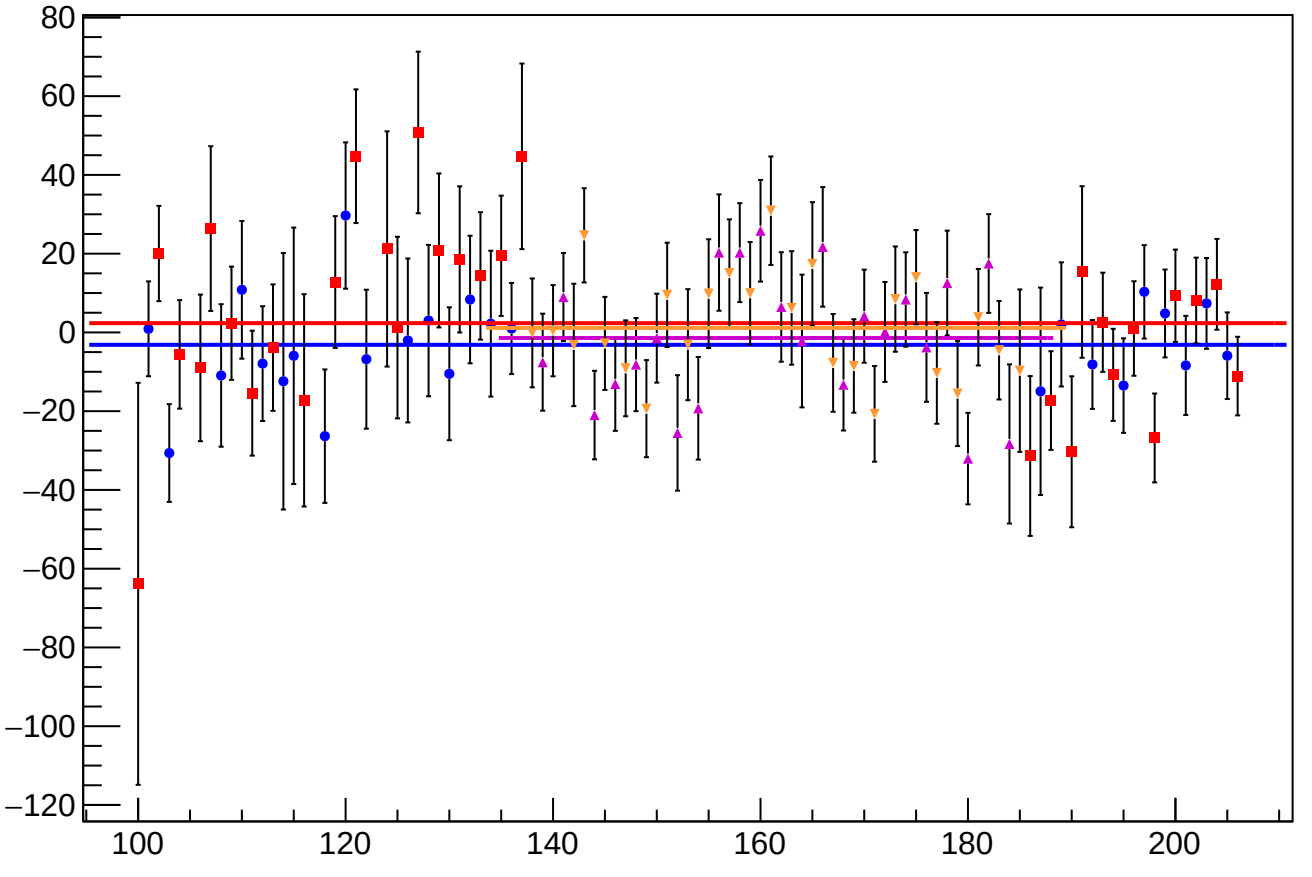
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.479+/-0.003 χ^2/NDF: 62911.0/55

In: 21.553+/-0.003 χ^2/NDF:50975.6/47

Out: 21.604+/-0.003 χ^2/NDF:52843.2/55

All: 21.580+/-0.002 χ^2/NDF: 104007.5/103



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.354+/-2.723 χ^2/NDF: 46.7/30

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

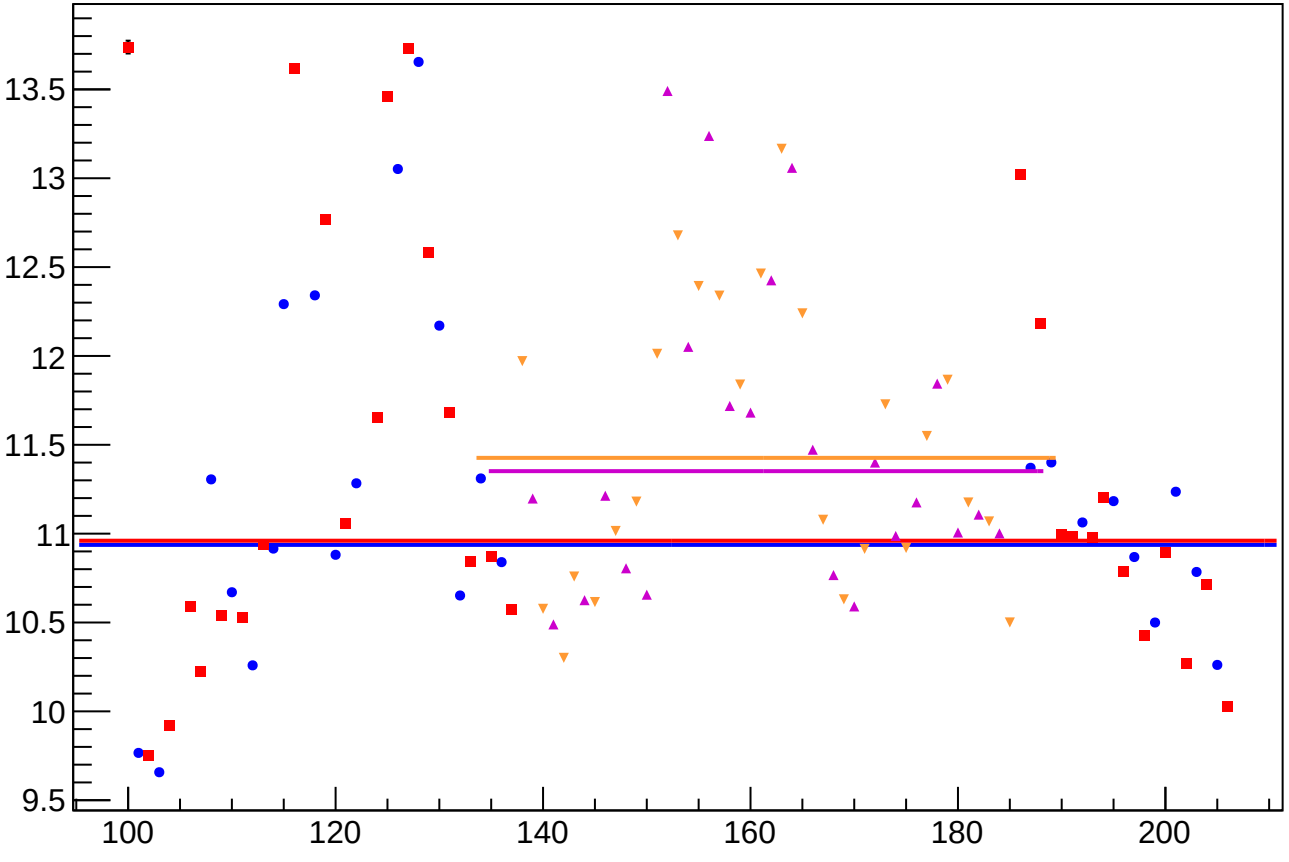
Right: -0.192+/-1.996 χ^2/NDF: 64.8/55

In: -2.197+/-1.977 χ^2/NDF:52.7/47

Out: 1.722+/-1.888 χ^2/NDF:71.3/55

All: -0.148+/-1.365 χ^2/NDF: 126.1/103

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.960+/-0.002 χ^2/NDF: 237096.7/30

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

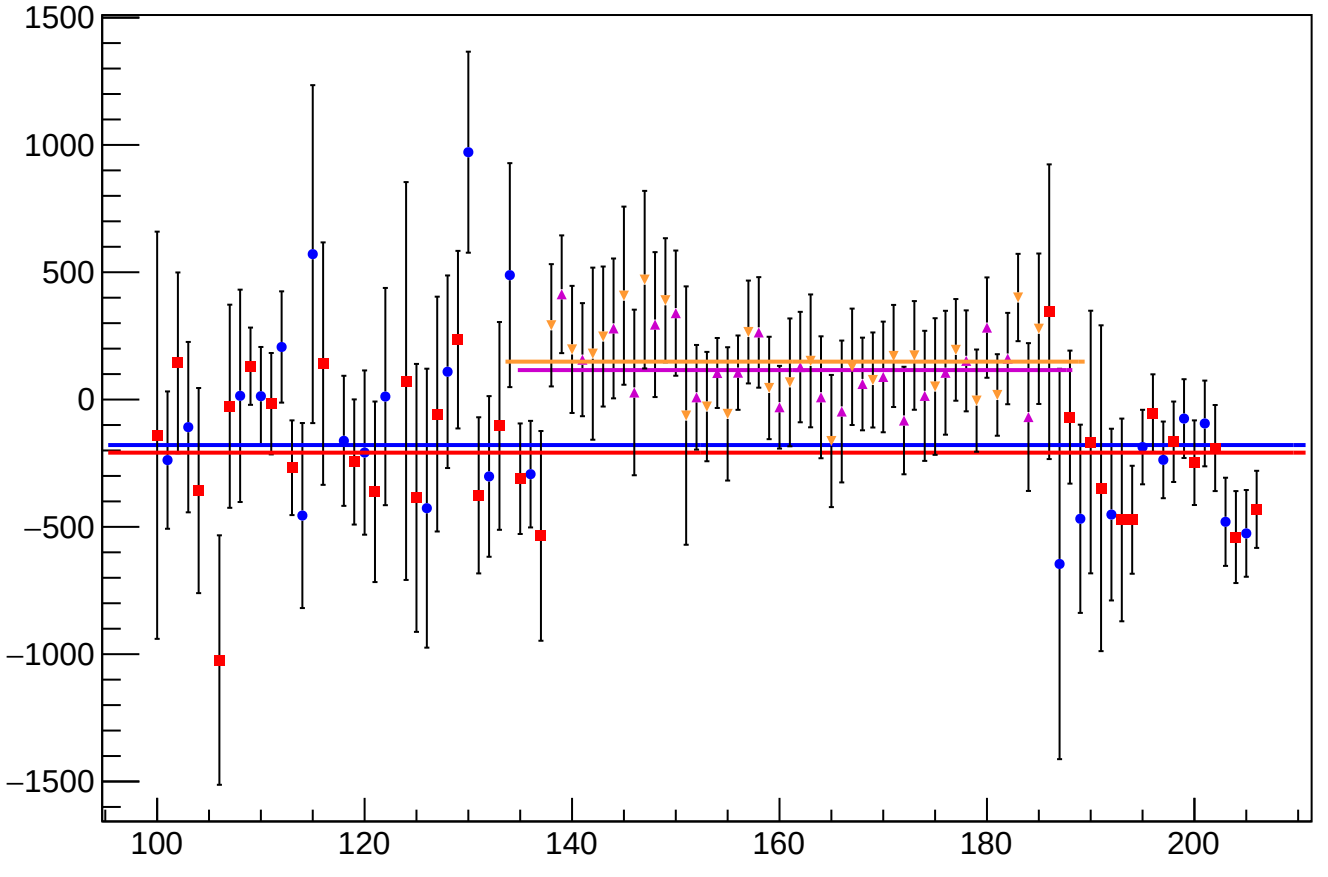
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.949+/-0.001 χ^2/NDF: 389302.8/55

In: 11.164+/-0.001 χ^2/NDF:344543.0/47

Out: 11.202+/-0.001 χ^2/NDF:424516.0/55

All: 11.184+/-0.001 χ^2/NDF: 769462.6/103



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -208.581+/-44.918 χ^2/NDF: 24.0/30

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

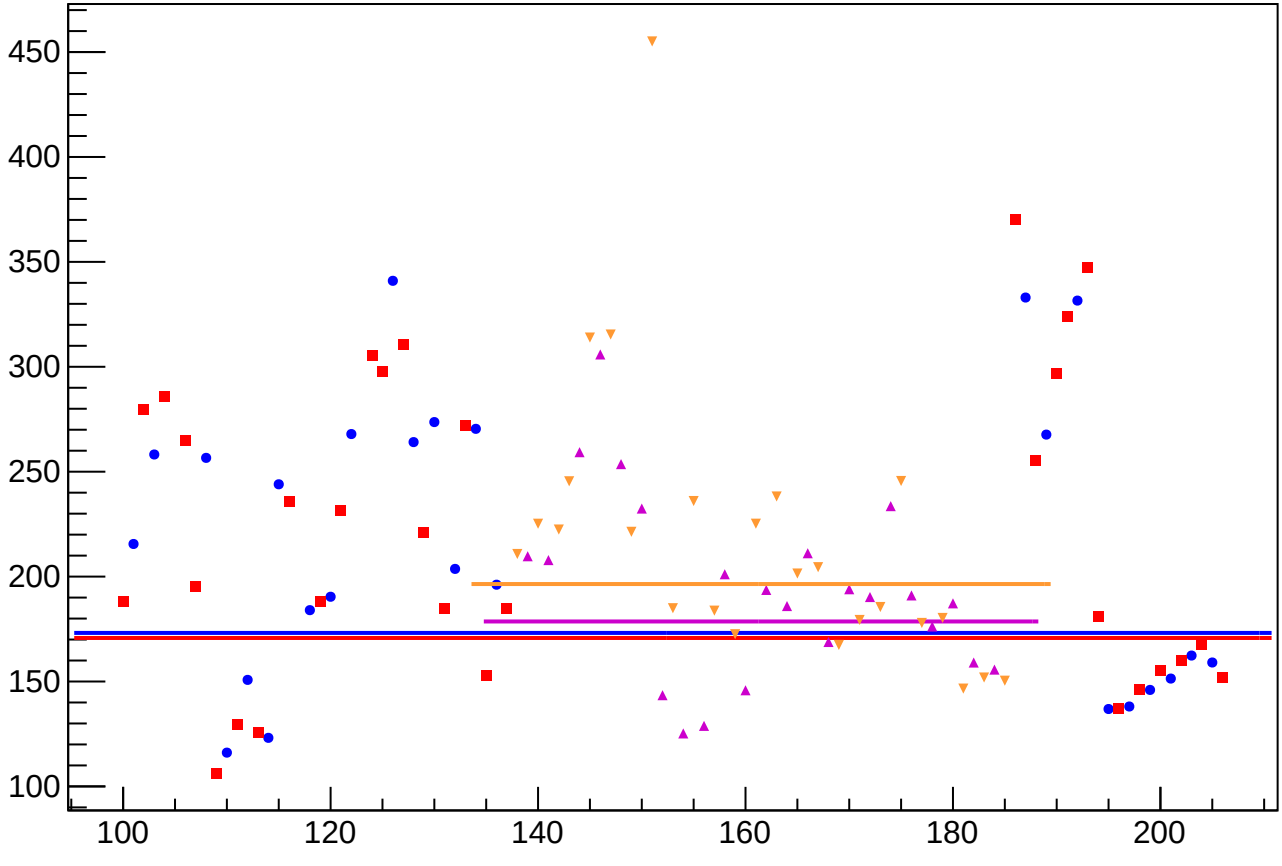
Right: -194.794+/-32.962 χ^2/NDF: 52.4/55

In: -15.956+/-32.447 χ^2/NDF:56.3/47

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -25.677+/-22.871 χ^2/NDF: 121.7/103

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

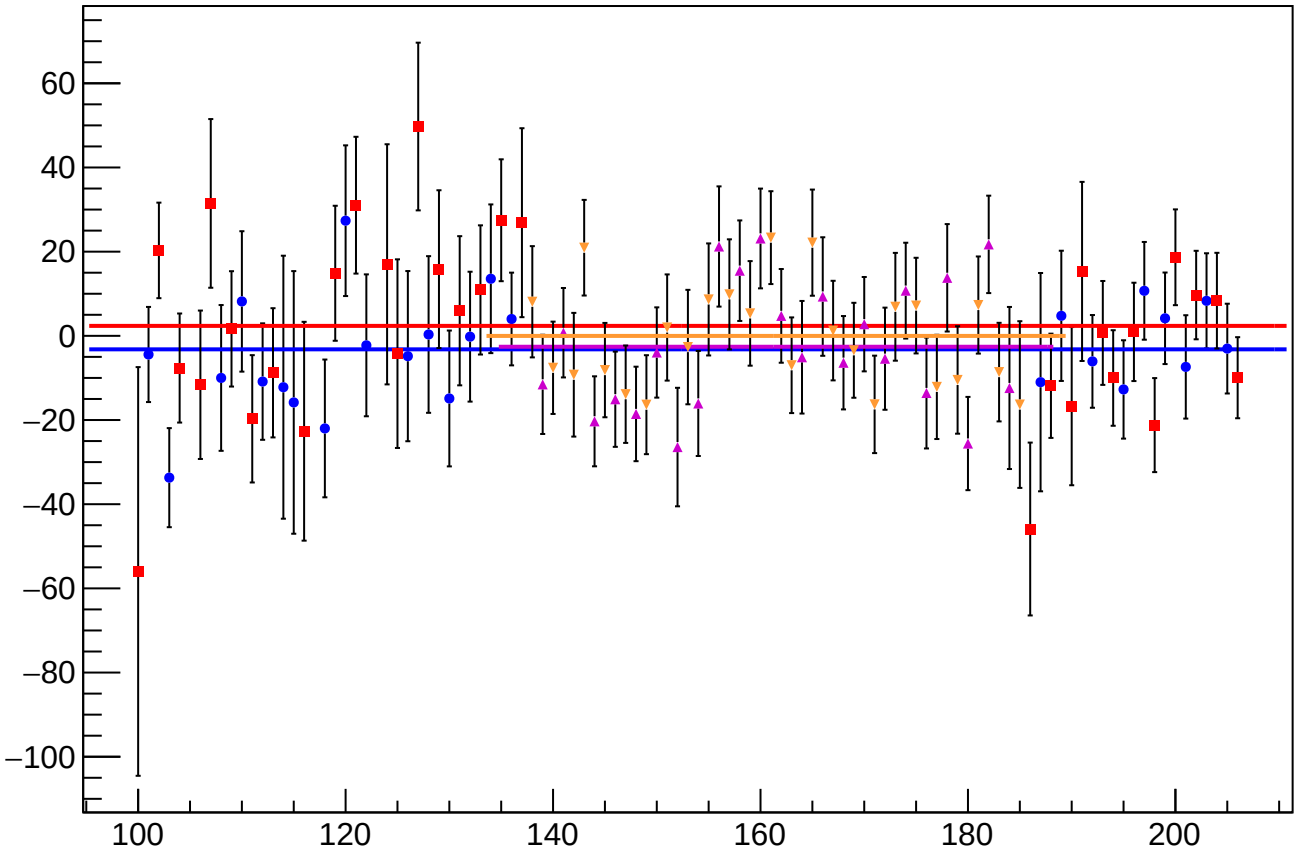
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.863+/-0.023 χ^2/NDF: 5138594.3/55

In: 176.175+/-0.023 χ^2/NDF:3896225.4/47

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 179.716+/-0.016 χ^2/NDF: 9012324.3/103



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.365+/-2.630 χ^2/NDF: 44.0/30

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

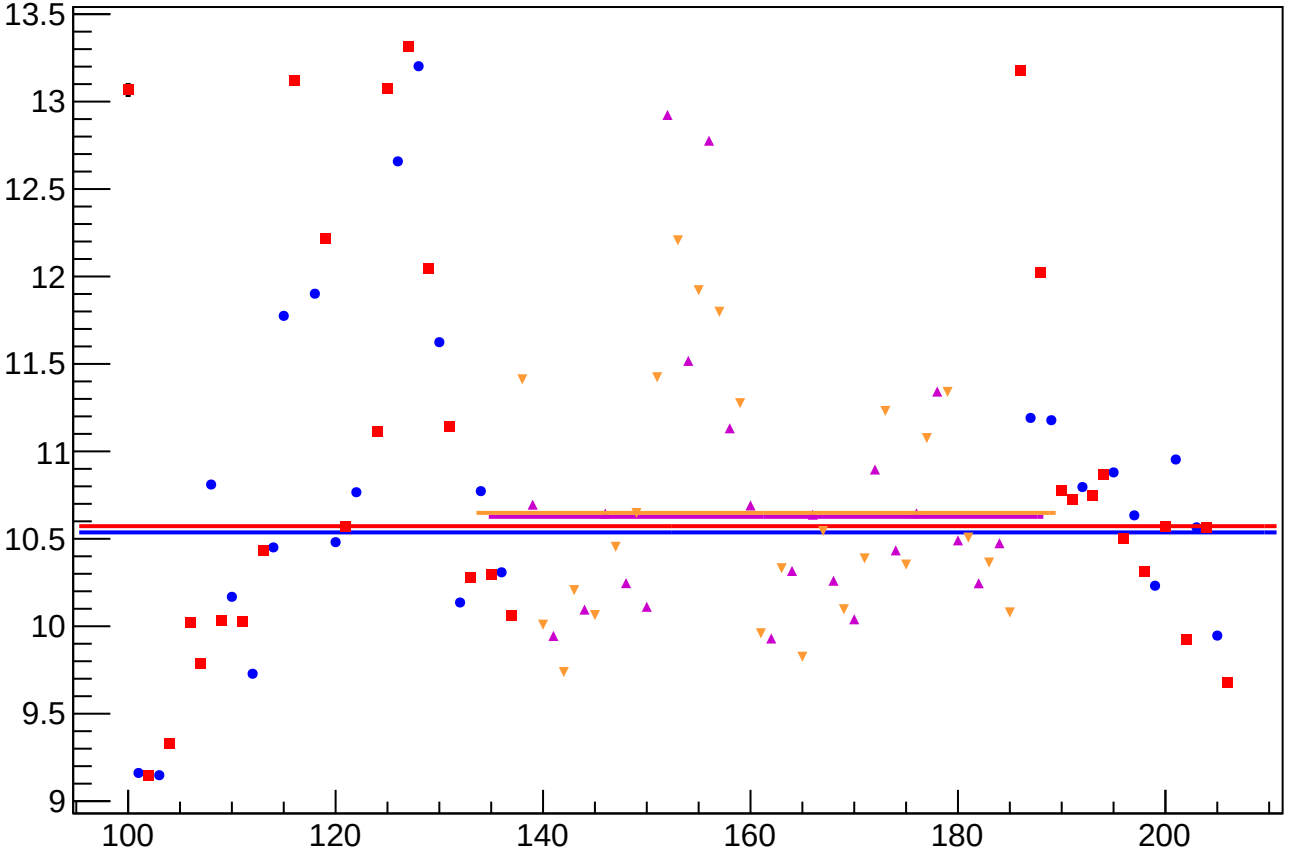
Right: -0.217+/-1.927 χ^2/NDF: 64.3/55

In: -2.862+/-1.876 χ^2/NDF:53.0/47

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.795+/-1.295 χ^2/NDF: 123.5/103

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

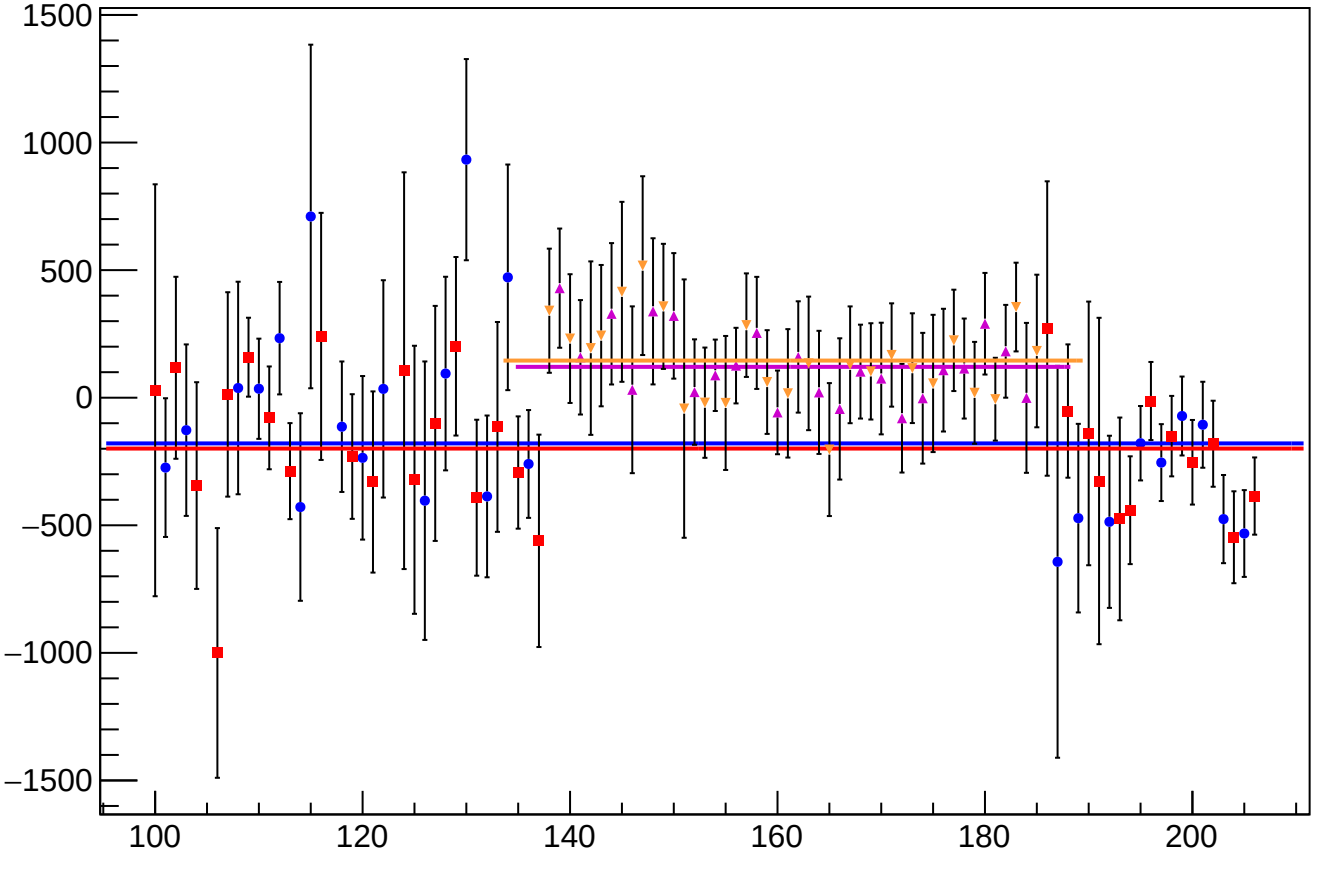
Right: 10.556+/-0.001 χ^2/NDF: 450539.4/55

In: 10.587+/-0.001 χ^2/NDF:336282.7/47

Out: 10.613+/-0.001 χ^2/NDF:419169.7/55

All: 10.600+/-0.001 χ^2/NDF: 755661.3/103

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -199.312+/-45.069 χ^2/NDF: 23.6/30

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

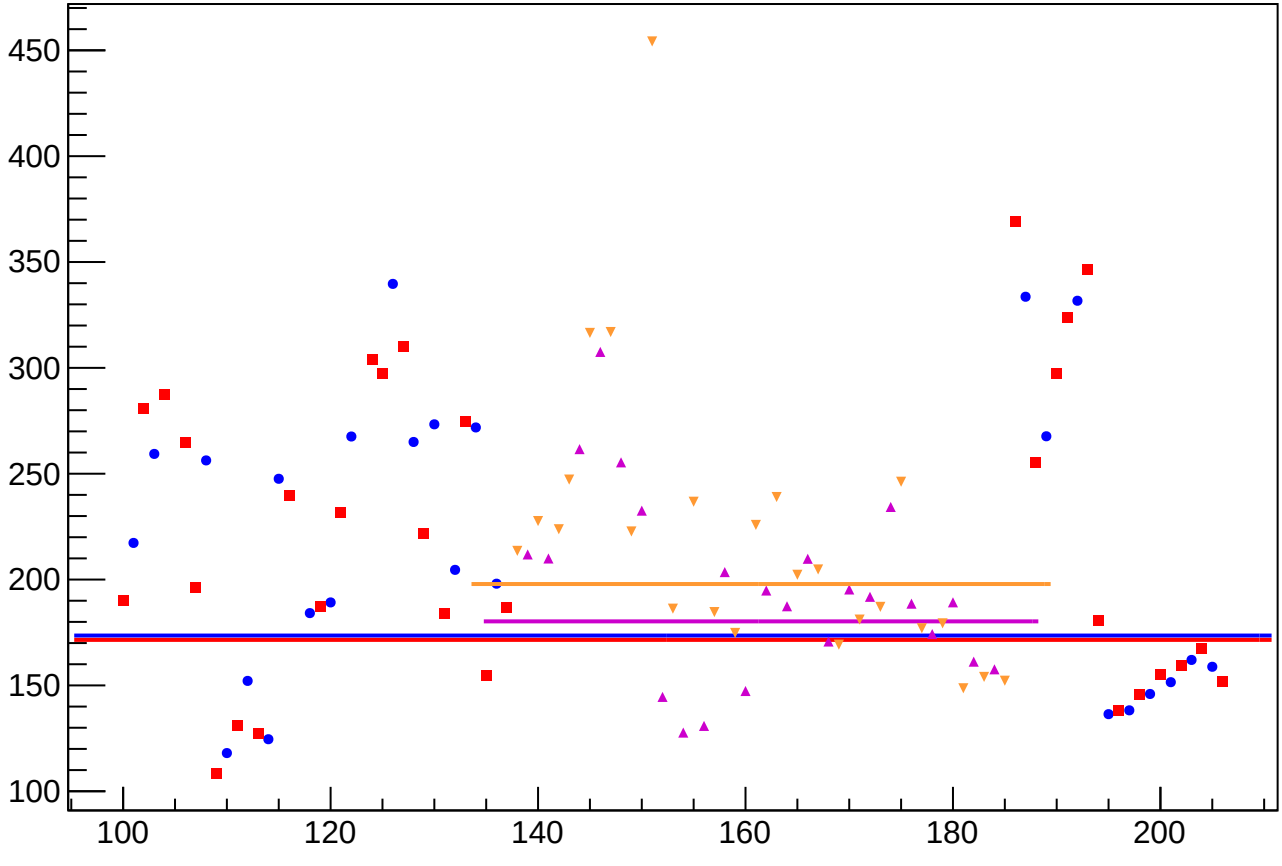
Right: -189.979+/-33.053 χ^2/NDF: 52.7/55

In: -14.168+/-32.622 χ^2/NDF:58.2/47

Out: -32.691+/-32.401 χ^2/NDF:62.1/55

All: -23.492+/-22.988 χ^2/NDF: 120.5/103

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 171.504+/-0.032 χ^2/NDF: 2879899.3/30

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

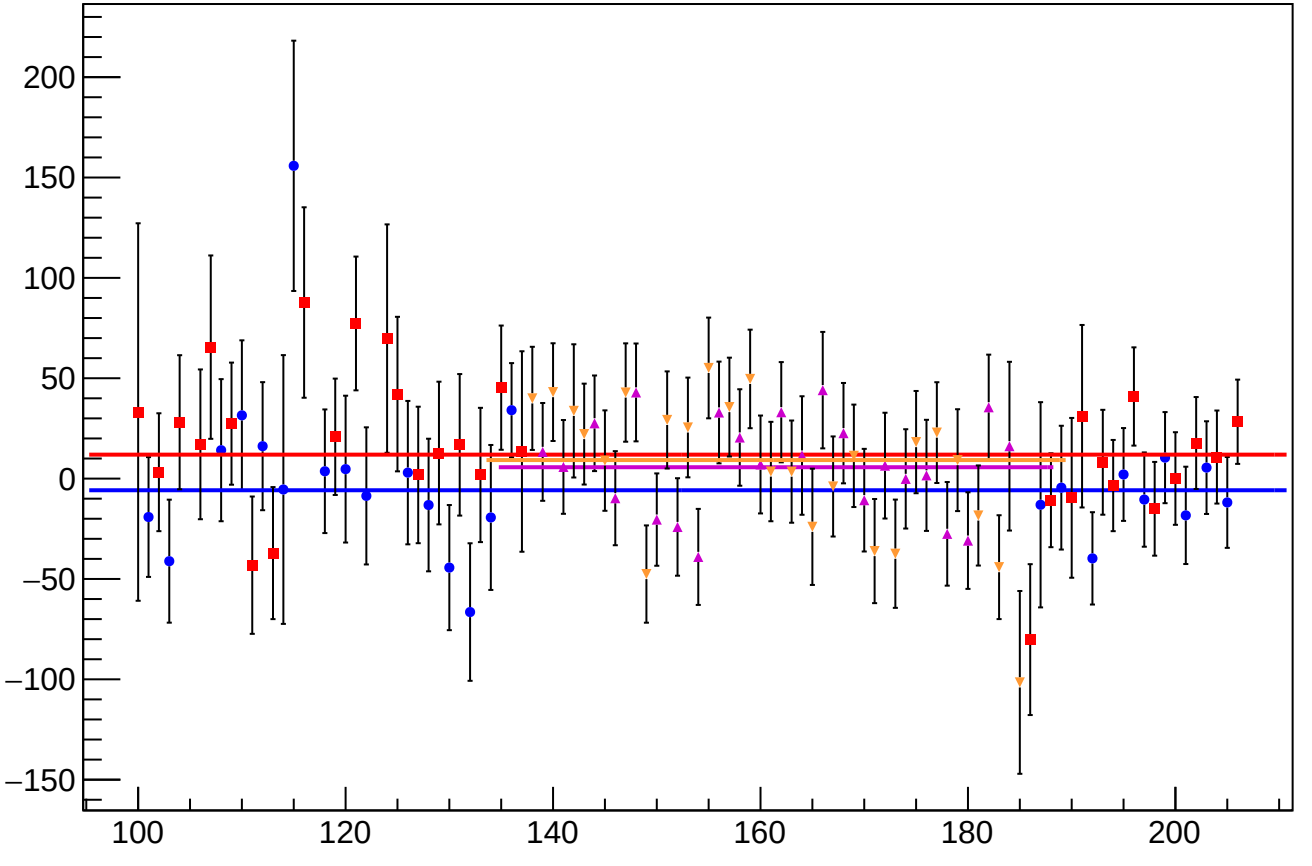
Right: 172.450+/-0.023 χ^2/NDF: 5079291.7/55

In: 177.233+/-0.023 χ^2/NDF:3846122.7/47

Out: 184.253+/-0.023 χ^2/NDF:4999984.6/55

All: 180.767+/-0.016 χ^2/NDF: 8892722.8/103

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 11.937+/-5.503 χ^2/NDF: 27.9/30

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

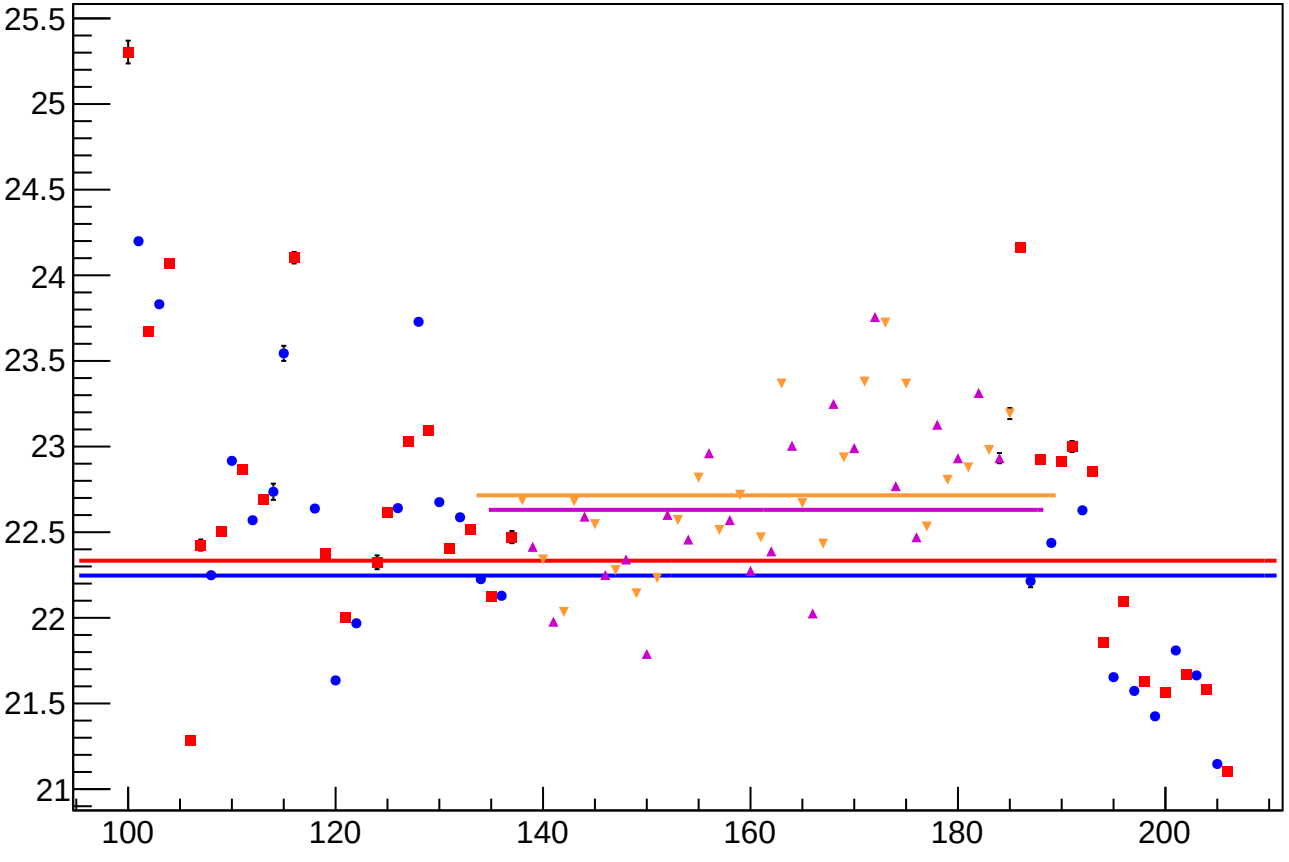
Right: 3.722+/-4.033 χ^2/NDF: 54.2/55

In: 0.584+/-3.945 χ^2/NDF:44.4/47

Out: 10.500+/-3.765 χ^2/NDF:67.5/55

All: 5.773+/-2.724 χ^2/NDF: 115.2/103

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.334+/-0.004 χ^2/NDF: 42334.6/30

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

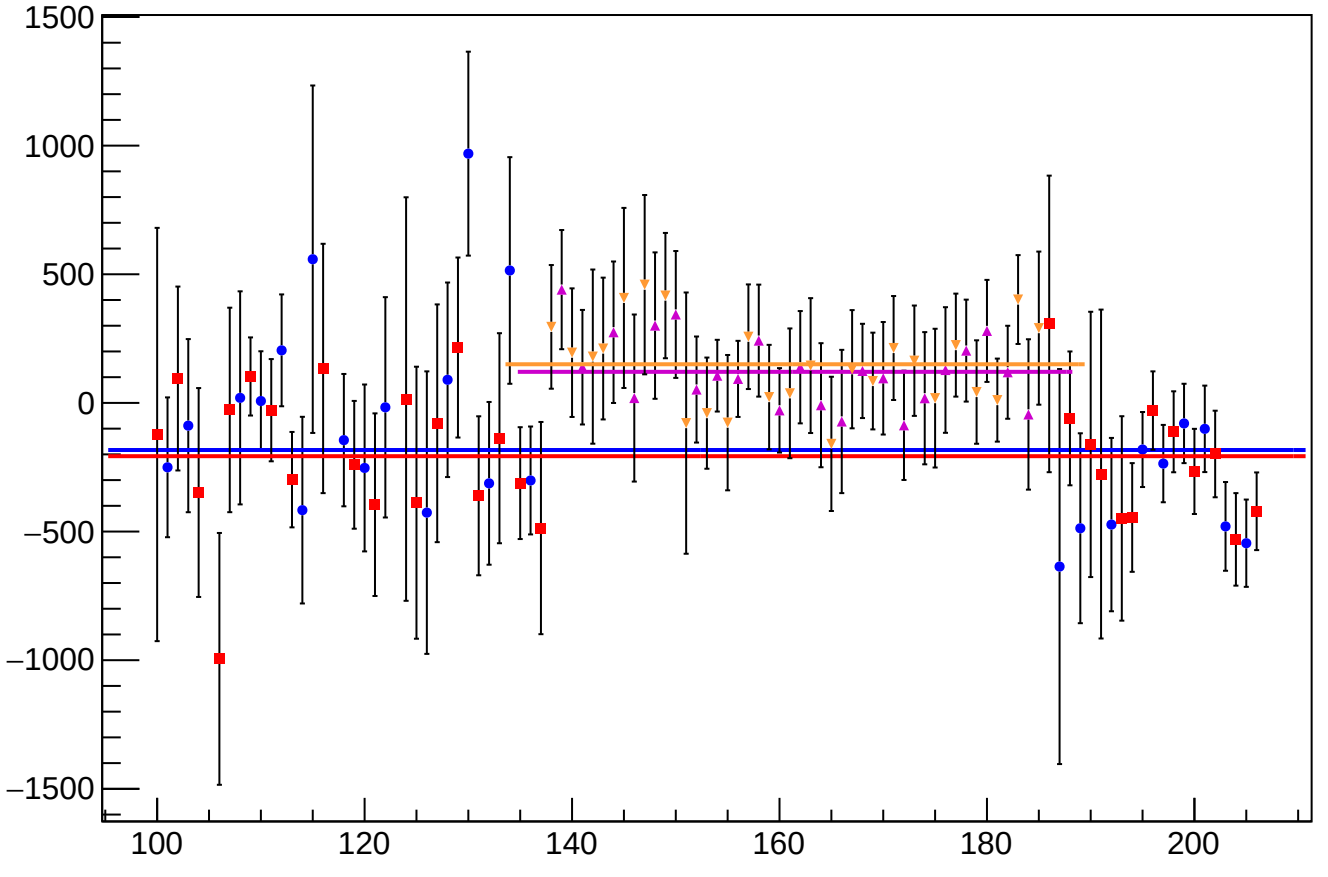
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.293+/-0.003 χ^2/NDF: 77063.4/55

In: 22.461+/-0.003 χ^2/NDF:54557.5/47

Out: 22.537+/-0.003 χ^2/NDF:59636.3/55

All: 22.500+/-0.002 χ^2/NDF: 114584.4/103



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -207.052+/-44.871 χ^2/NDF: 22.2/30

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

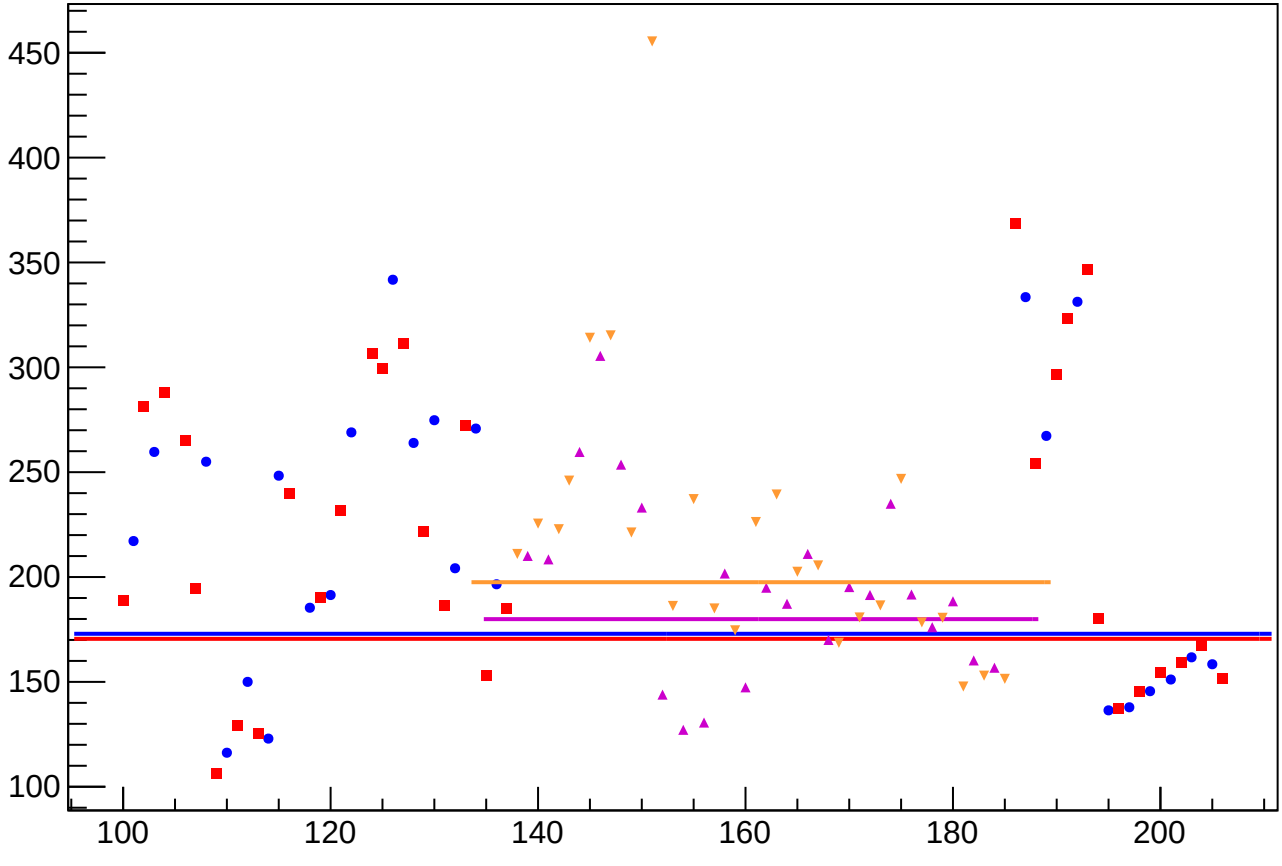
Right: -195.983+/-32.930 χ^2/NDF: 51.0/55

In: -16.199+/-32.549 χ^2/NDF:58.1/47

Out: -34.921+/-32.301 χ^2/NDF:63.7/55

All: -25.632+/-22.927 χ^2/NDF: 122.0/103

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 170.529+/-0.032 χ^2/NDF: 2953076.3/30

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

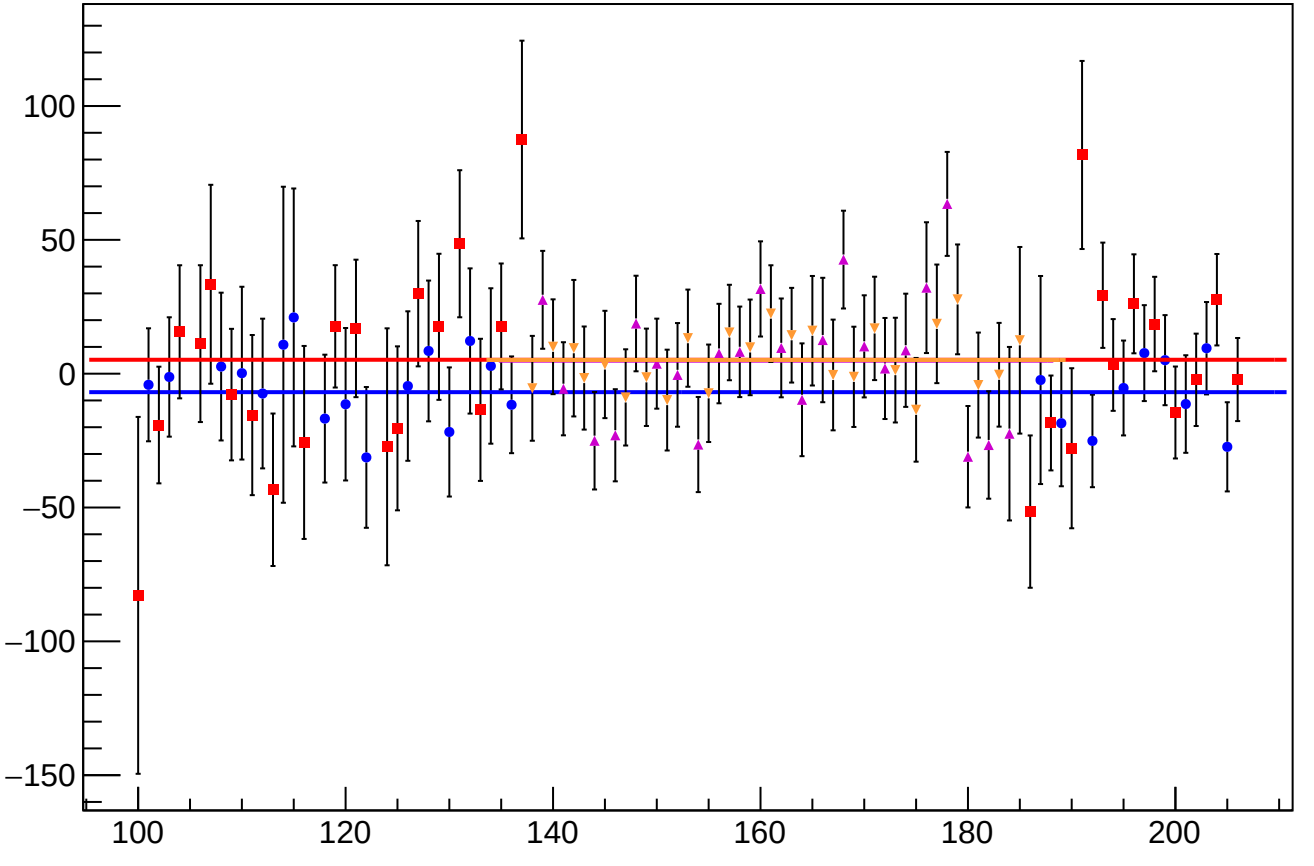
Right: 171.641+/-0.023 χ^2/NDF: 5183409.3/55

In: 176.775+/-0.023 χ^2/NDF:3874617.5/47

Out: 183.540+/-0.023 χ^2/NDF:5091998.8/55

All: 180.183+/-0.016 χ^2/NDF: 9010146.9/103

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.201+/-4.211 χ^2/NDF: 37.7/30

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

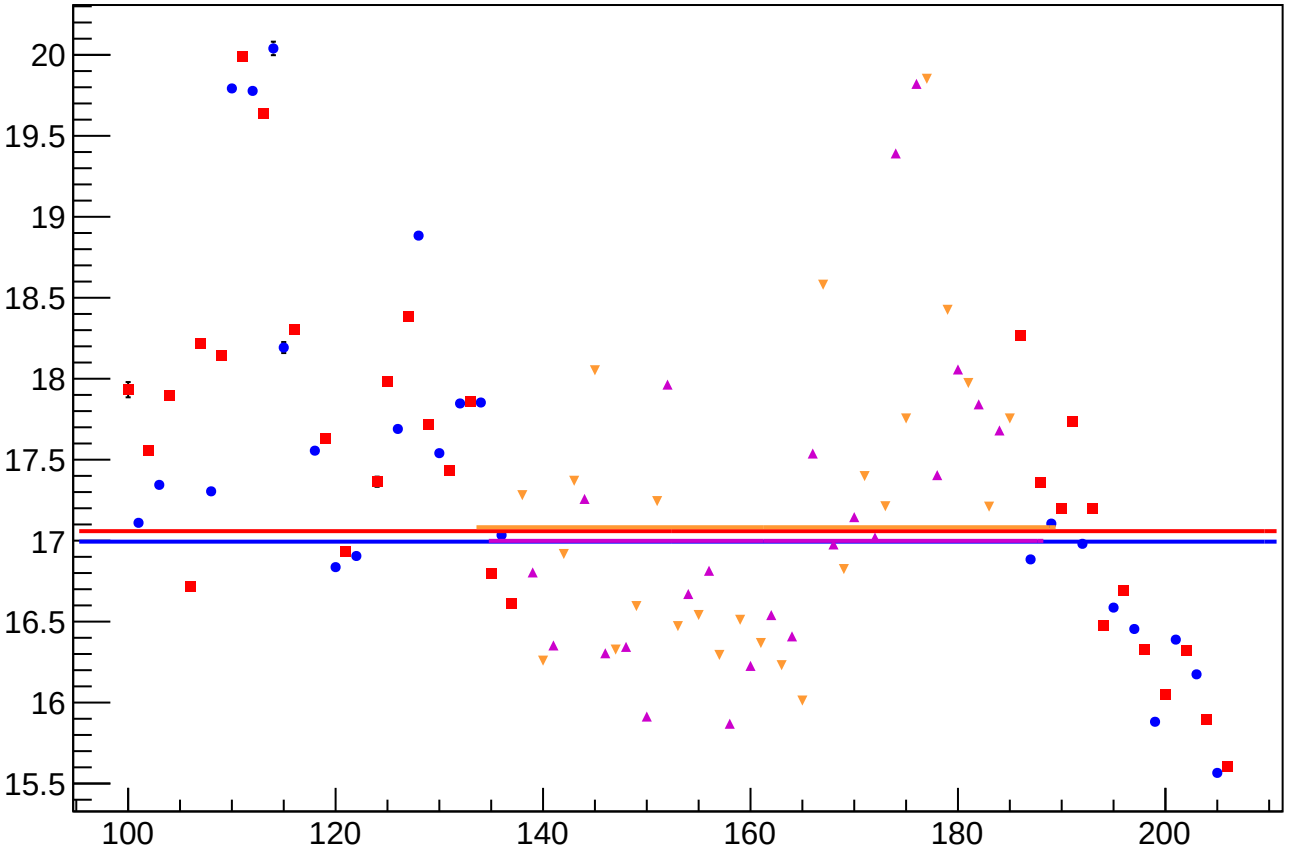
Right: -0.403+/-3.086 χ^2/NDF: 49.7/55

In: -0.260+/-2.992 χ^2/NDF:47.5/47

Out: 5.157+/-2.857 χ^2/NDF:45.6/55

All: 2.573+/-2.066 χ^2/NDF: 94.8/103

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.059+/-0.003 χ^2/NDF: 108625.6/30

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

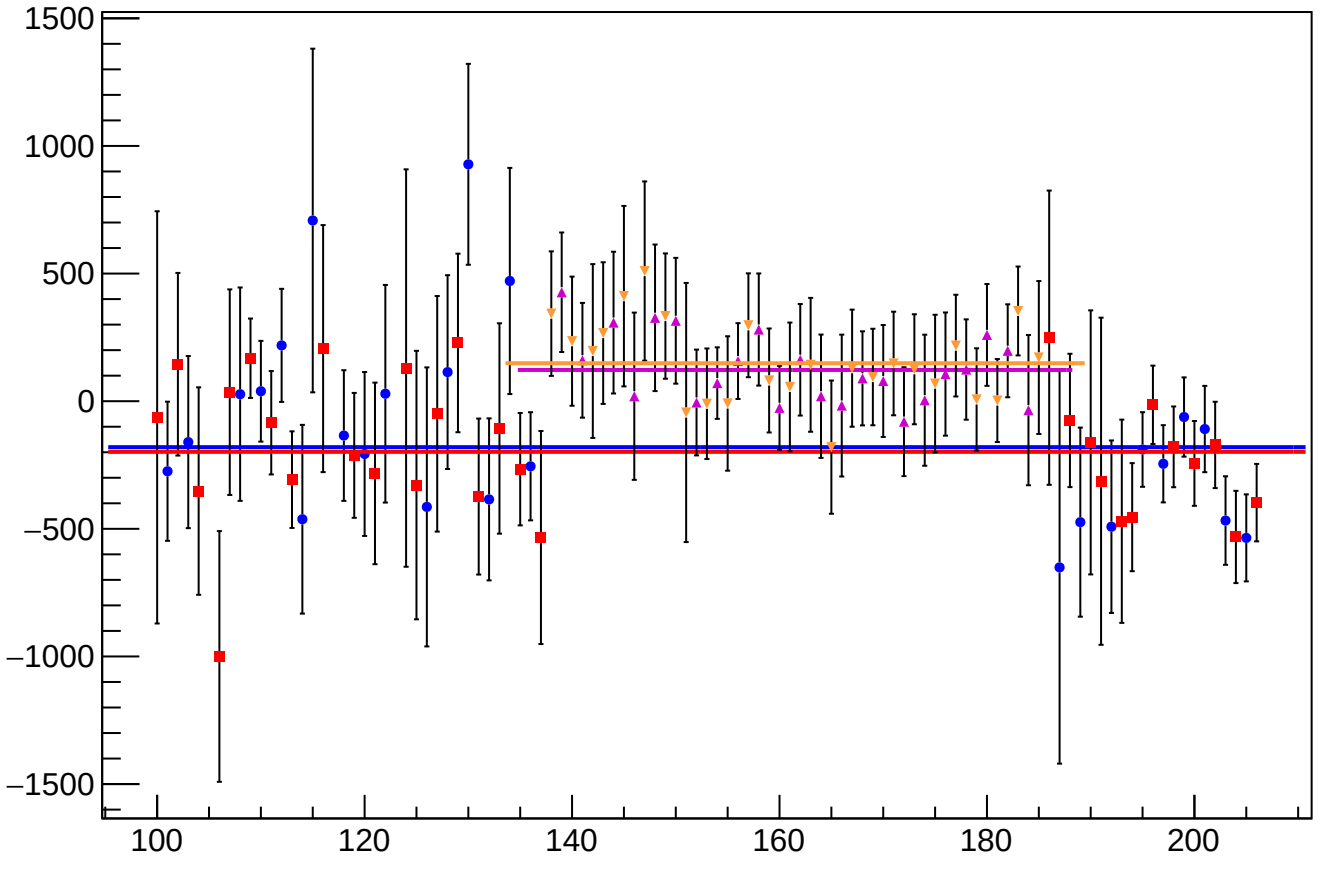
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.029+/-0.002 χ^2/NDF: 201689.9/55

In: 16.997+/-0.002 χ^2/NDF:196867.4/47

Out: 17.072+/-0.002 χ^2/NDF:205436.4/55

All: 17.036+/-0.001 χ^2/NDF: 402963.4/103



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -198.369+/-45.201 χ^2/NDF: 23.5/30

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

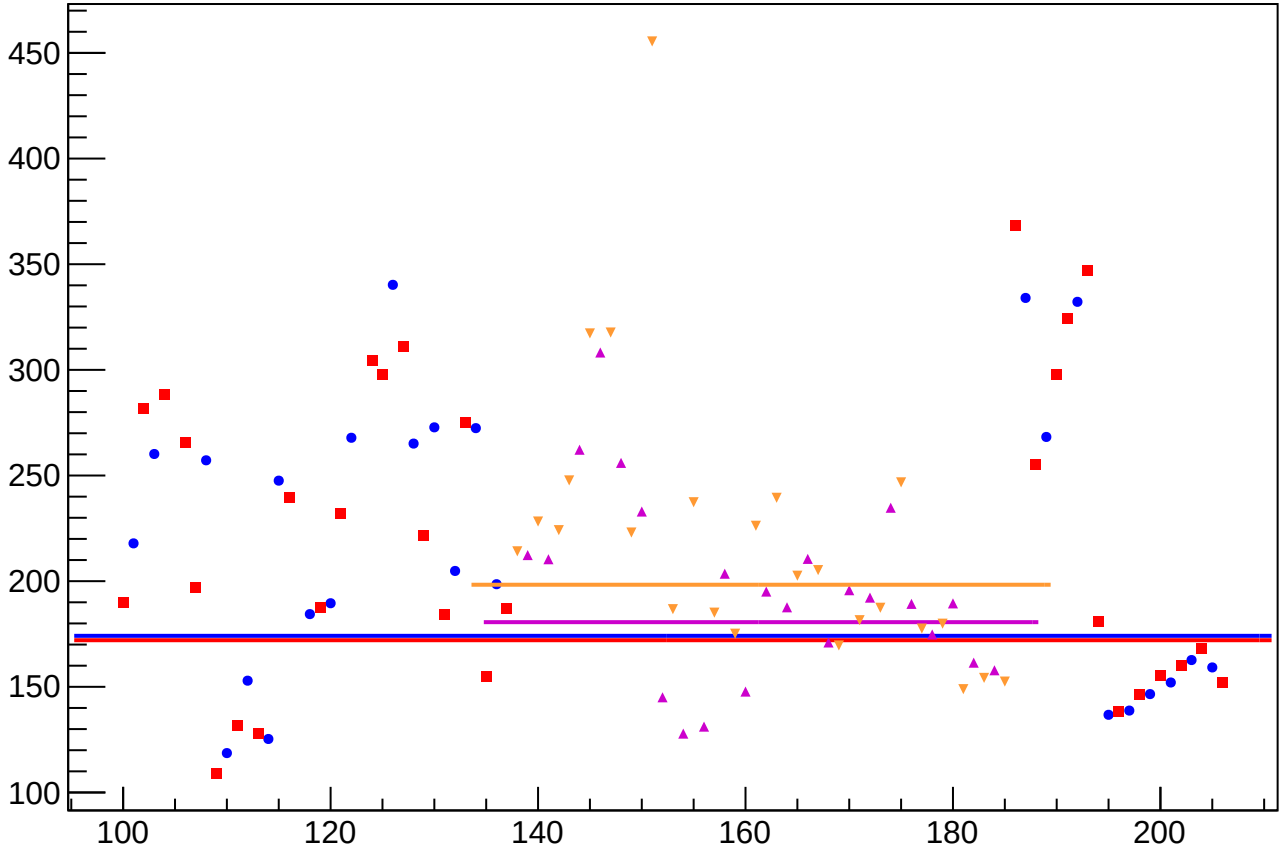
Right: -189.910+/-33.152 χ^2/NDF: 52.3/55

In: -13.606+/-32.703 χ^2/NDF:57.8/47

Out: -30.518+/-32.484 χ^2/NDF:61.5/55

All: -22.119+/-23.046 χ^2/NDF: 119.5/103

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 172.055+/-0.032 χ^2/NDF: 2862622.9/30

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

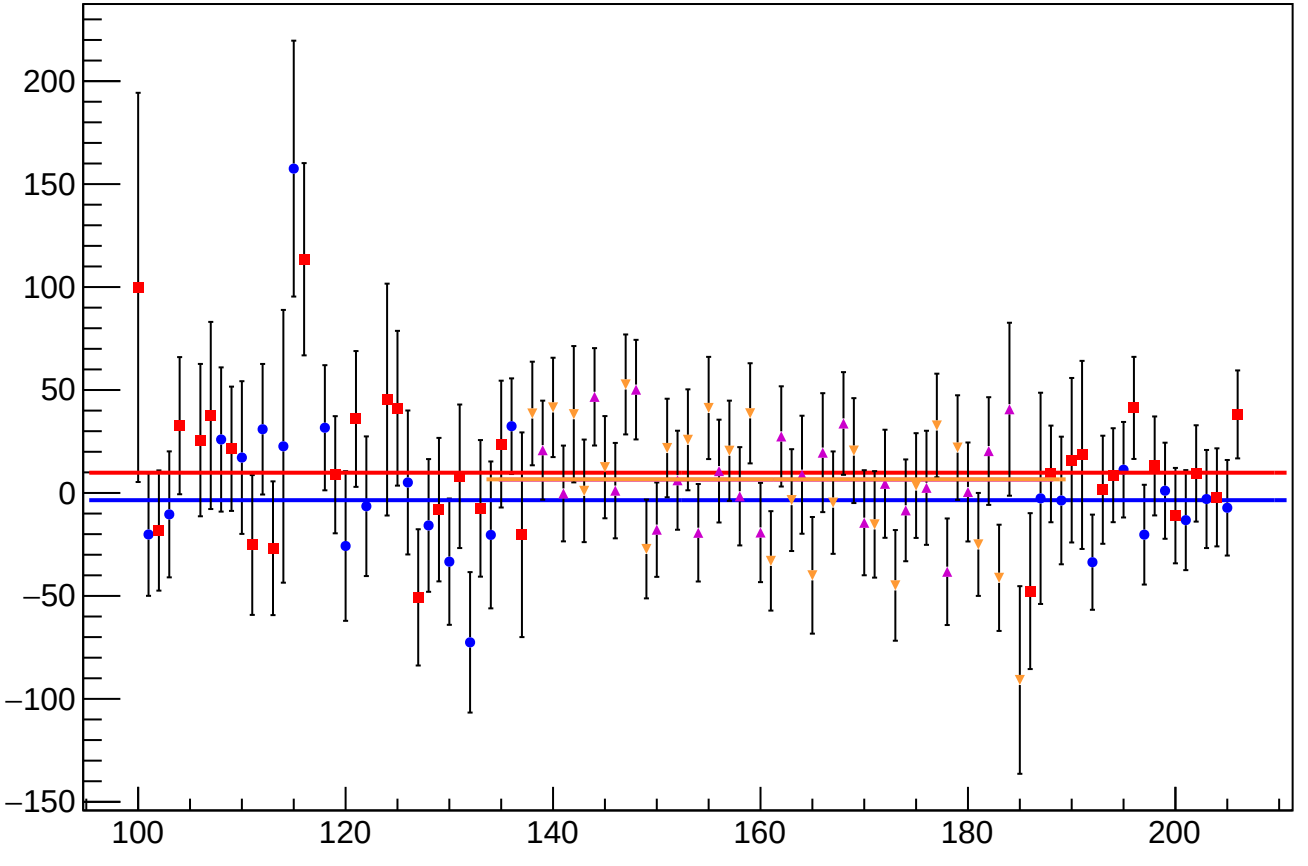
Right: 173.015+/-0.023 χ^2/NDF: 5049035.6/55

In: 177.693+/-0.023 χ^2/NDF:3831890.2/47

Out: 184.752+/-0.023 χ^2/NDF:4979272.5/55

All: 181.246+/-0.016 χ^2/NDF: 8858062.8/103

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 9.837+/-5.515 χ^2/NDF: 23.4/30

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

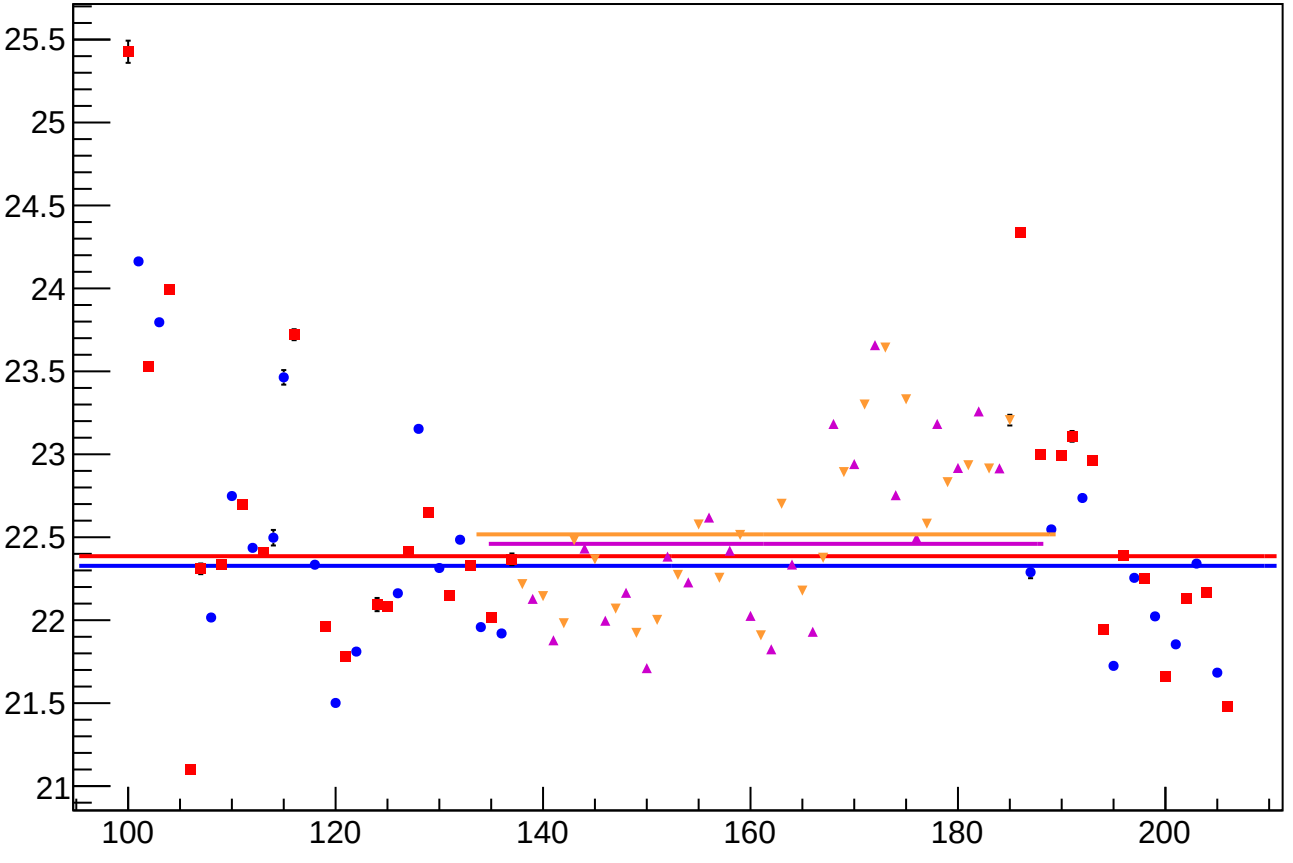
Right: 3.668+/-4.044 χ^2/NDF: 47.9/55

In: 2.111+/-3.934 χ^2/NDF:40.9/47

Out: 8.103+/-3.751 χ^2/NDF:60.5/55

All: 5.250+/-2.715 χ^2/NDF: 102.5/103

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.386+/-0.004 χ^2/NDF: 31219.8/30

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

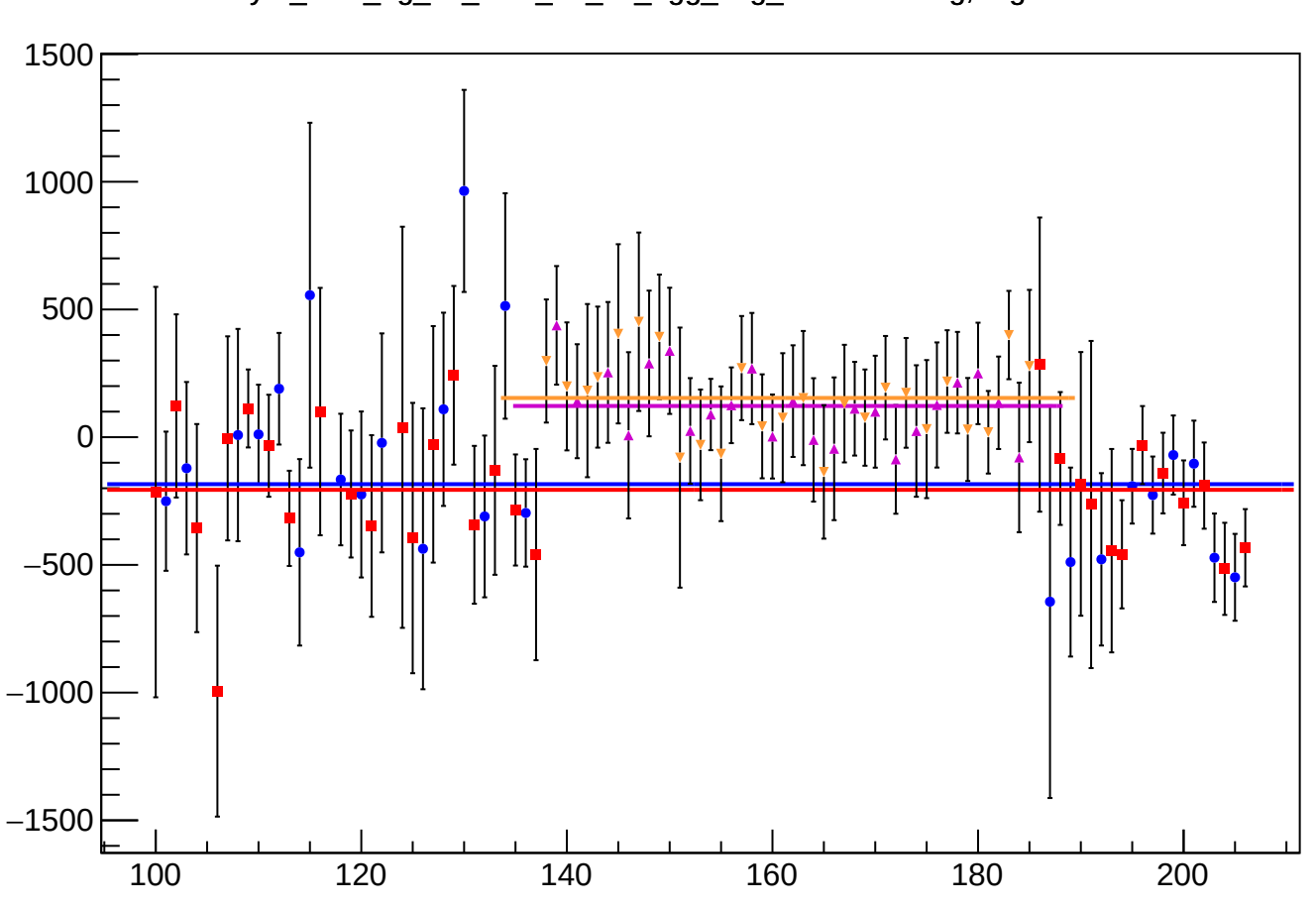
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.359+/-0.003 χ^2/NDF: 53103.0/55

In: 22.402+/-0.003 χ^2/NDF:41456.4/47

Out: 22.457+/-0.003 χ^2/NDF:47834.0/55

All: 22.431+/-0.002 χ^2/NDF: 89490.4/103



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -206.132+/-45.004 χ^2/NDF: 22.1/30

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

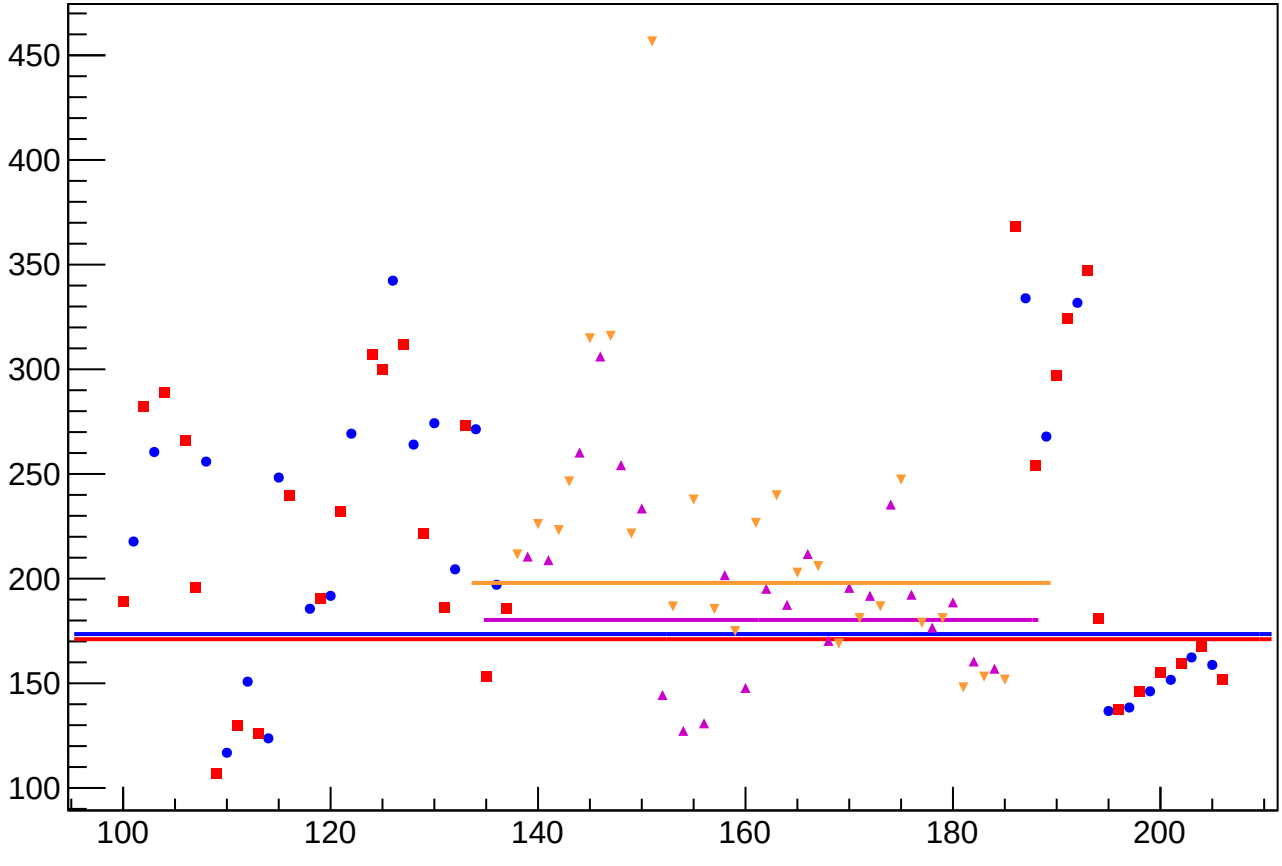
Right: -195.941+/-33.030 χ^2/NDF: 50.5/55

In: -15.691+/-32.630 χ^2/NDF:57.6/47

Out: -32.715+/-32.384 χ^2/NDF:62.9/55

All: -24.267+/-22.985 χ^2/NDF: 120.7/103

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 171.087+/-0.032 χ^2/NDF: 2934914.3/30

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

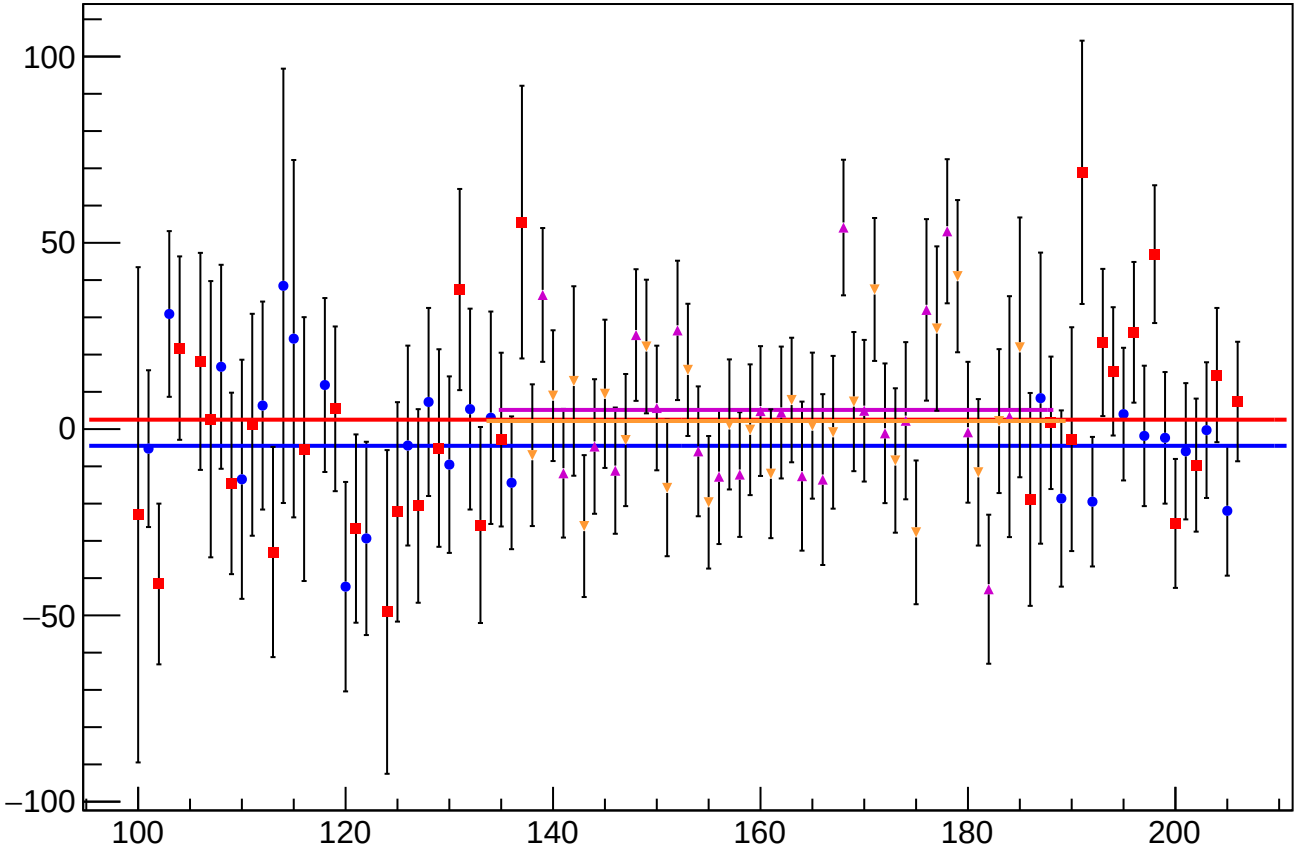
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 172.213+/-0.023 χ^2/NDF: 5151737.3/55

In: 177.237+/-0.023 χ^2/NDF:3859962.0/47

Out: 184.044+/-0.023 χ^2/NDF:5070053.4/55

All: 180.666+/-0.016 χ^2/NDF: 8973866.9/103



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.529+/-4.233 χ^2/NDF: 33.4/30

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

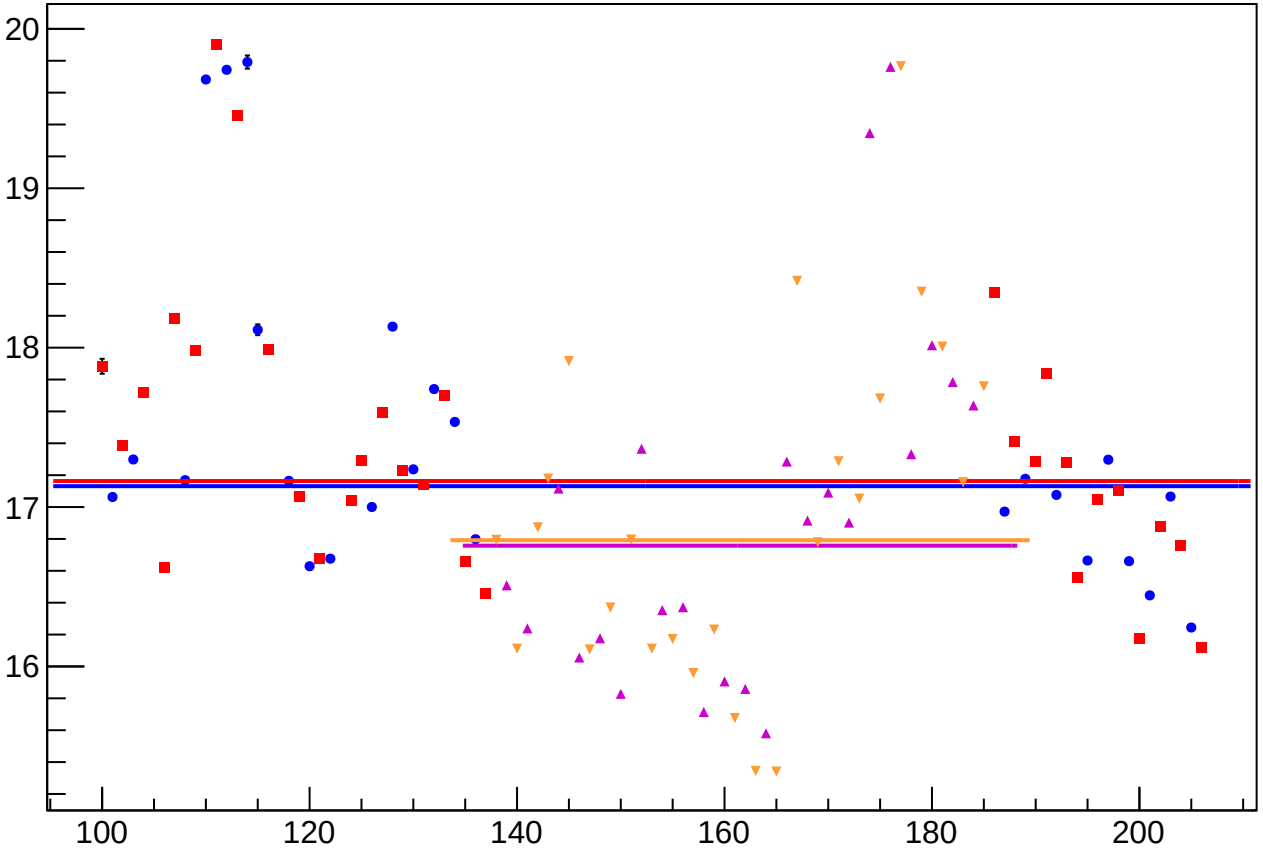
Right: -0.711+/-3.105 χ^2/NDF: 45.4/55

In: 1.059+/-2.977 χ^2/NDF:45.6/47

Out: 2.333+/-2.838 χ^2/NDF:53.4/55

All: 1.727+/-2.054 χ^2/NDF: 99.1/103

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.163+/-0.003 χ^2/NDF: 64784.4/30

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

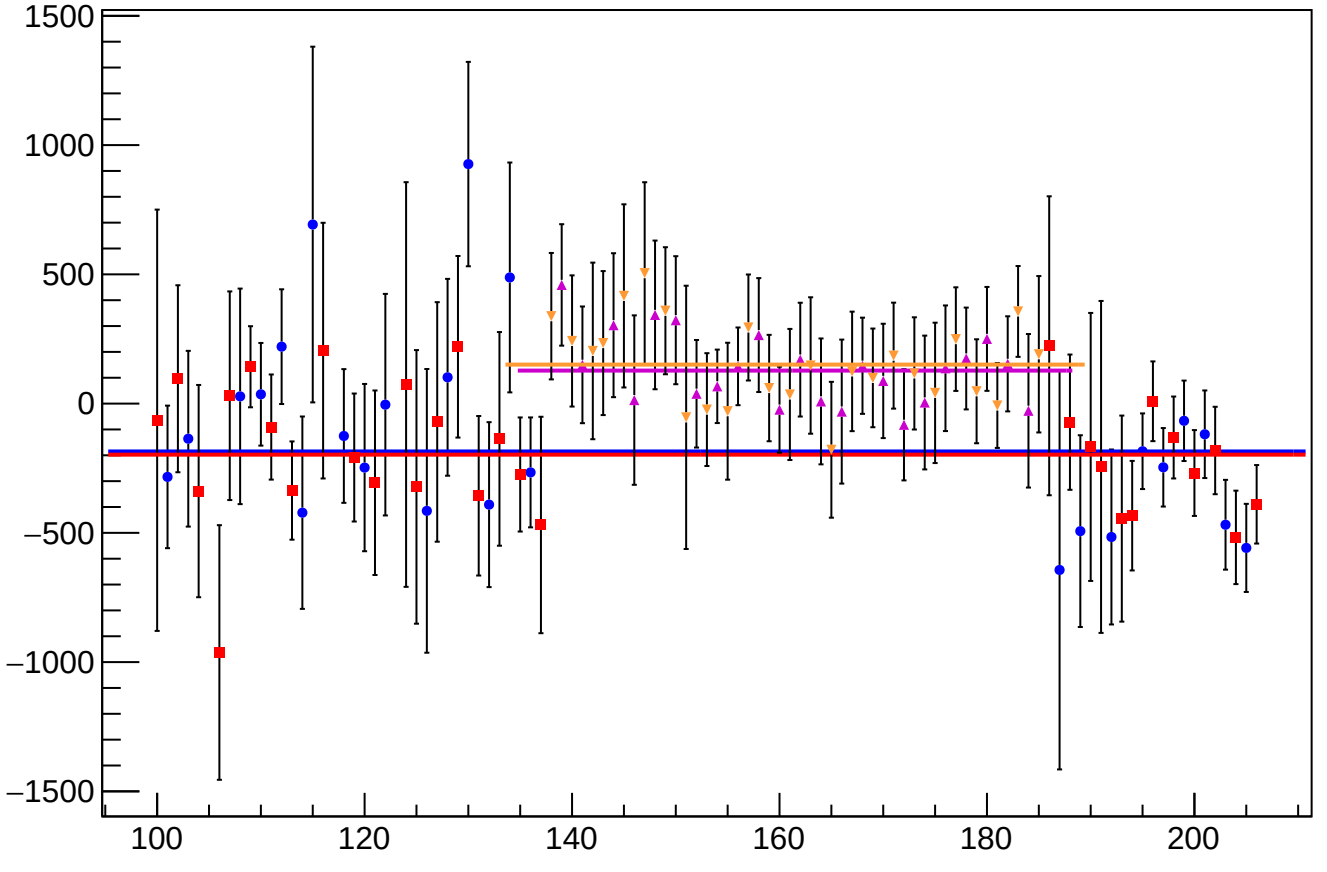
Right: 17.148+/-0.002 χ^2/NDF: 117782.8/55

In: 16.916+/-0.002 χ^2/NDF:183930.4/47

Out: 16.959+/-0.002 χ^2/NDF:210251.5/55

All: 16.939+/-0.001 χ^2/NDF: 394396.4/103

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -197.482+/-45.356 χ^2/NDF: 21.6/30

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

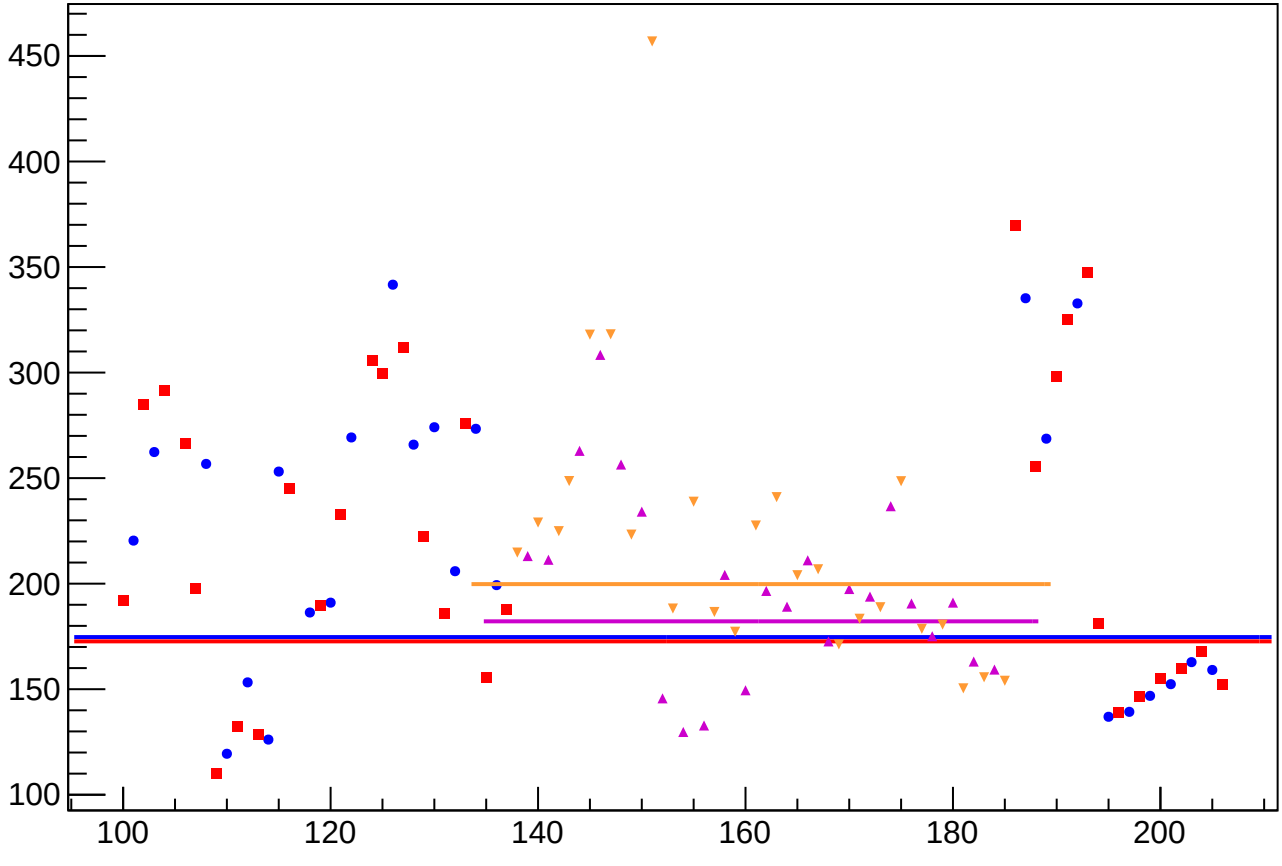
Right: -191.781+/-33.264 χ^2/NDF: 50.8/55

In: -13.650+/-32.892 χ^2/NDF:59.4/47

Out: -29.627+/-32.649 χ^2/NDF:60.0/55

All: -21.698+/-23.172 χ^2/NDF: 119.5/103

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 172.663+/-0.032 χ^2/NDF: 2866803.5/30

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

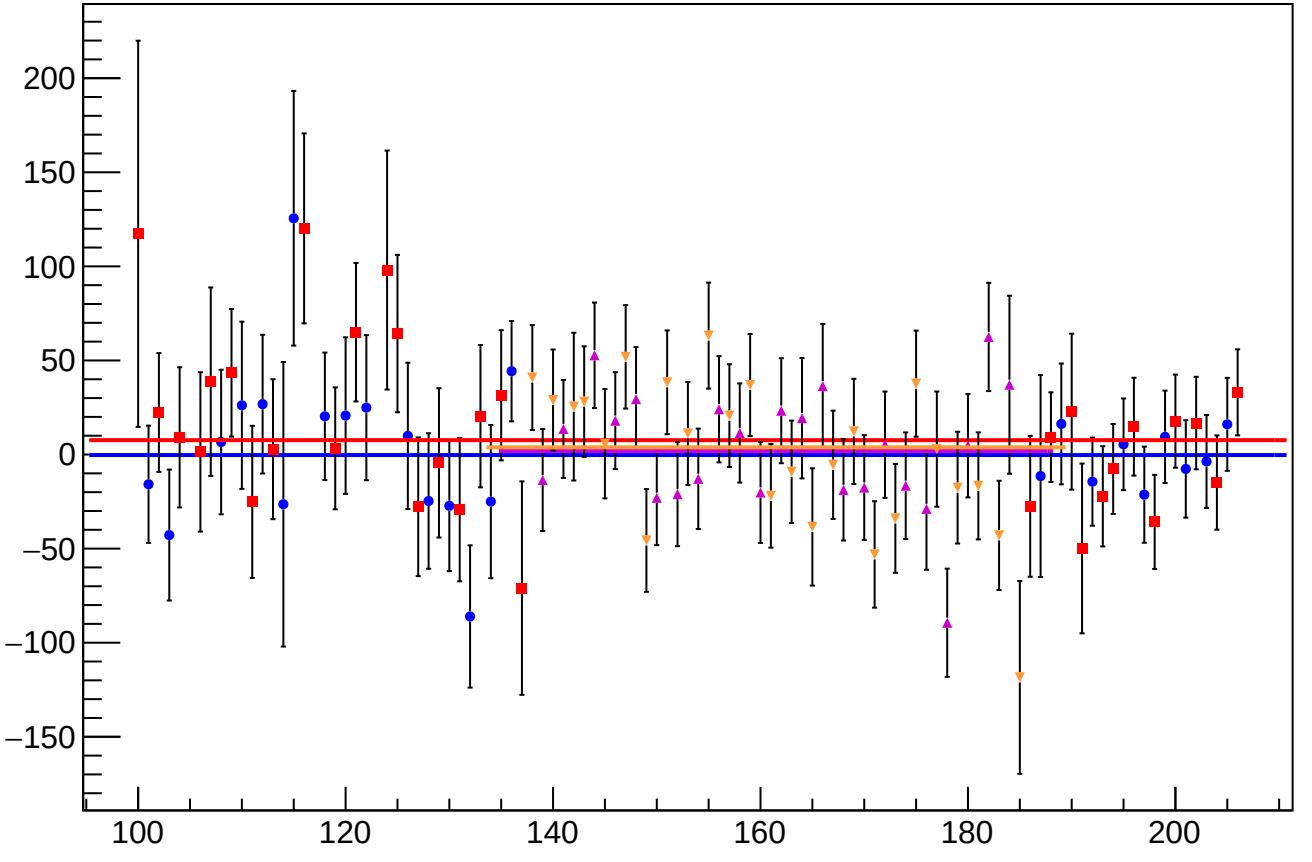
Right: 173.601+/-0.024 χ^2/NDF: 5063000.4/55

In: 178.780+/-0.023 χ^2/NDF:3804170.4/47

Out: 185.731+/-0.023 χ^2/NDF:4971701.9/55

All: 182.282+/-0.016 χ^2/NDF: 8820861.3/103

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 7.627+/-5.937 χ^2/NDF: 29.1/30

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

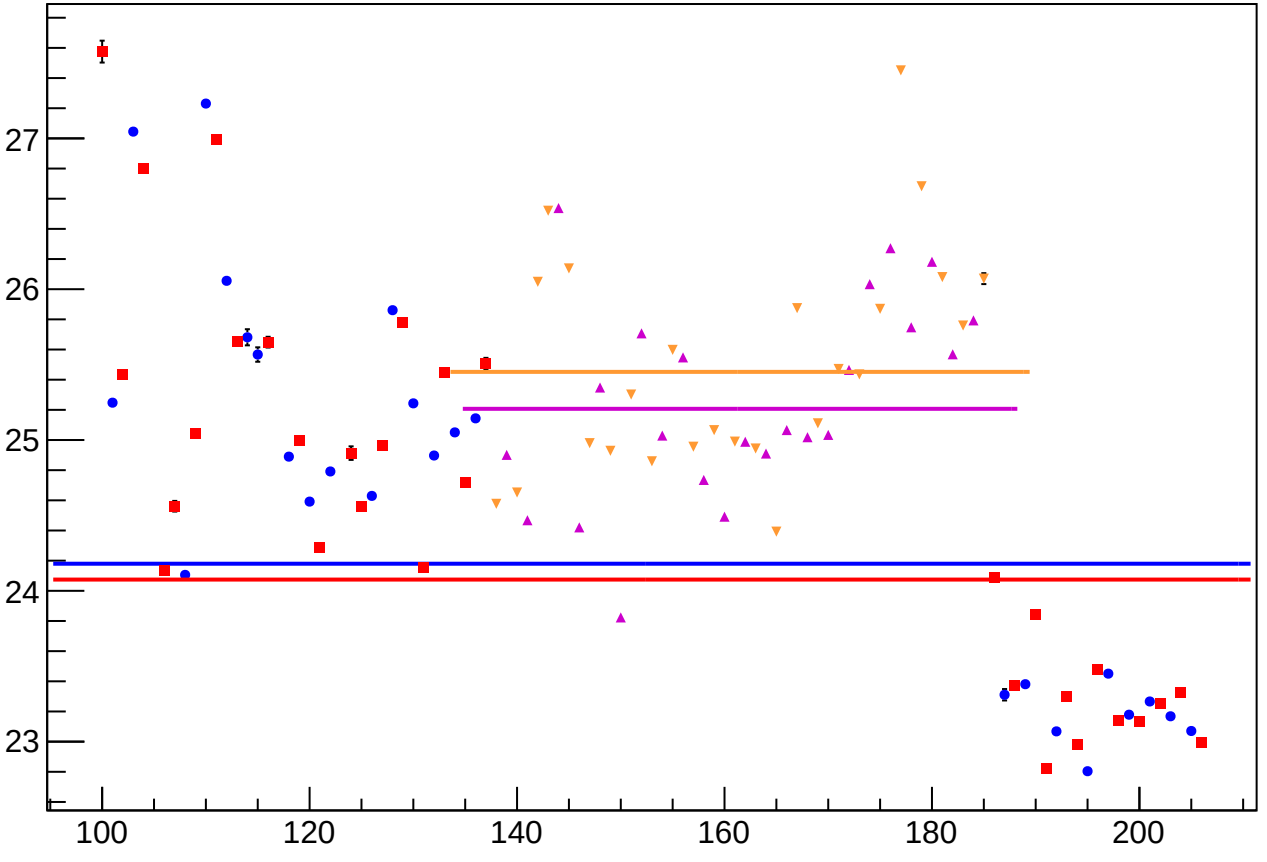
Right: 4.002+/-4.368 χ^2/NDF: 48.7/55

In: 0.883+/-4.350 χ^2/NDF:47.0/47

Out: 5.681+/-4.145 χ^2/NDF:66.9/55

All: 3.398+/-3.001 χ^2/NDF: 114.5/103

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.075+/-0.004 χ^2/NDF: 70776.9/30

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

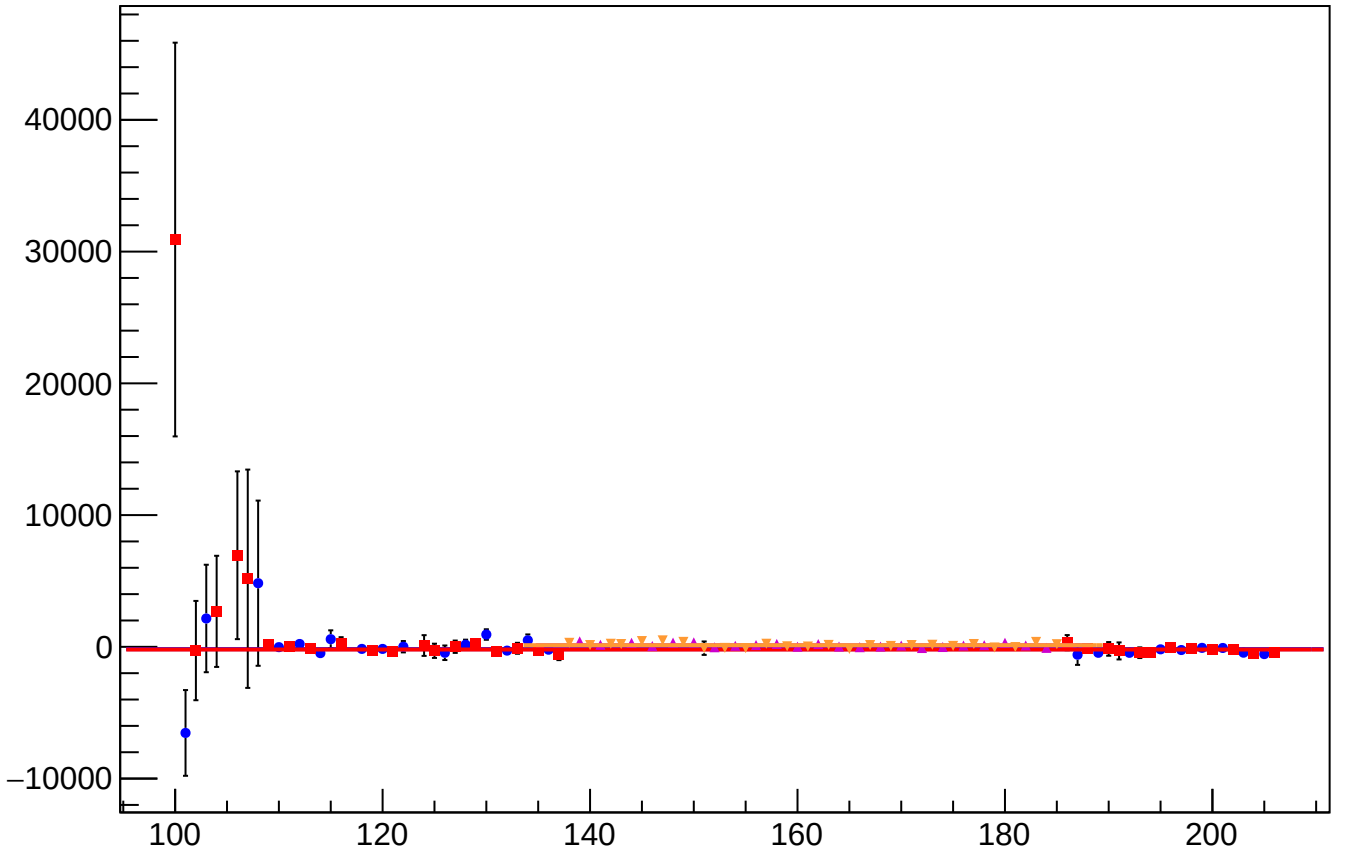
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 24.123+/-0.003 χ^2/NDF: 143031.4/55

In: 24.739+/-0.003 χ^2/NDF:125444.8/47

Out: 24.781+/-0.003 χ^2/NDF:155559.9/55

All: 24.761+/-0.002 χ^2/NDF: 281099.0/103



Right In: -176.053+/-51.481 χ^2/NDF: 31.2/24

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -203.577+/-48.250 χ^2/NDF: 24.5/30

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

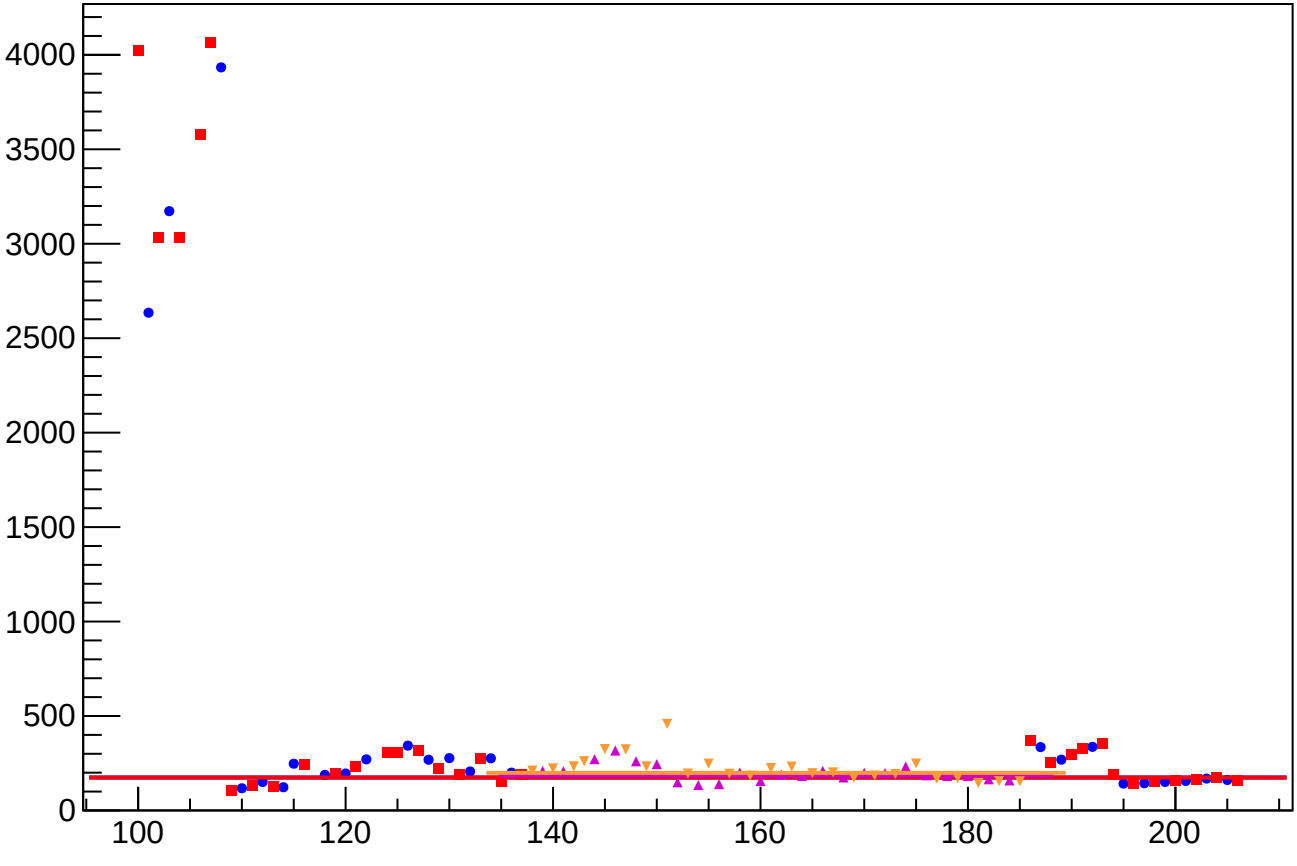
Right: -190.706+/-35.205 χ^2/NDF: 55.8/55

In: -9.352+/-33.826 χ^2/NDF:57.6/47

Out: -34.634+/-33.640 χ^2/NDF:59.4/55

All: -22.063+/-23.852 χ^2/NDF: 117.3/103

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.401+/-0.036 χ^2/NDF: 4814510.0/24

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 174.159+/-0.034 χ^2/NDF: 5509344.1/30

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

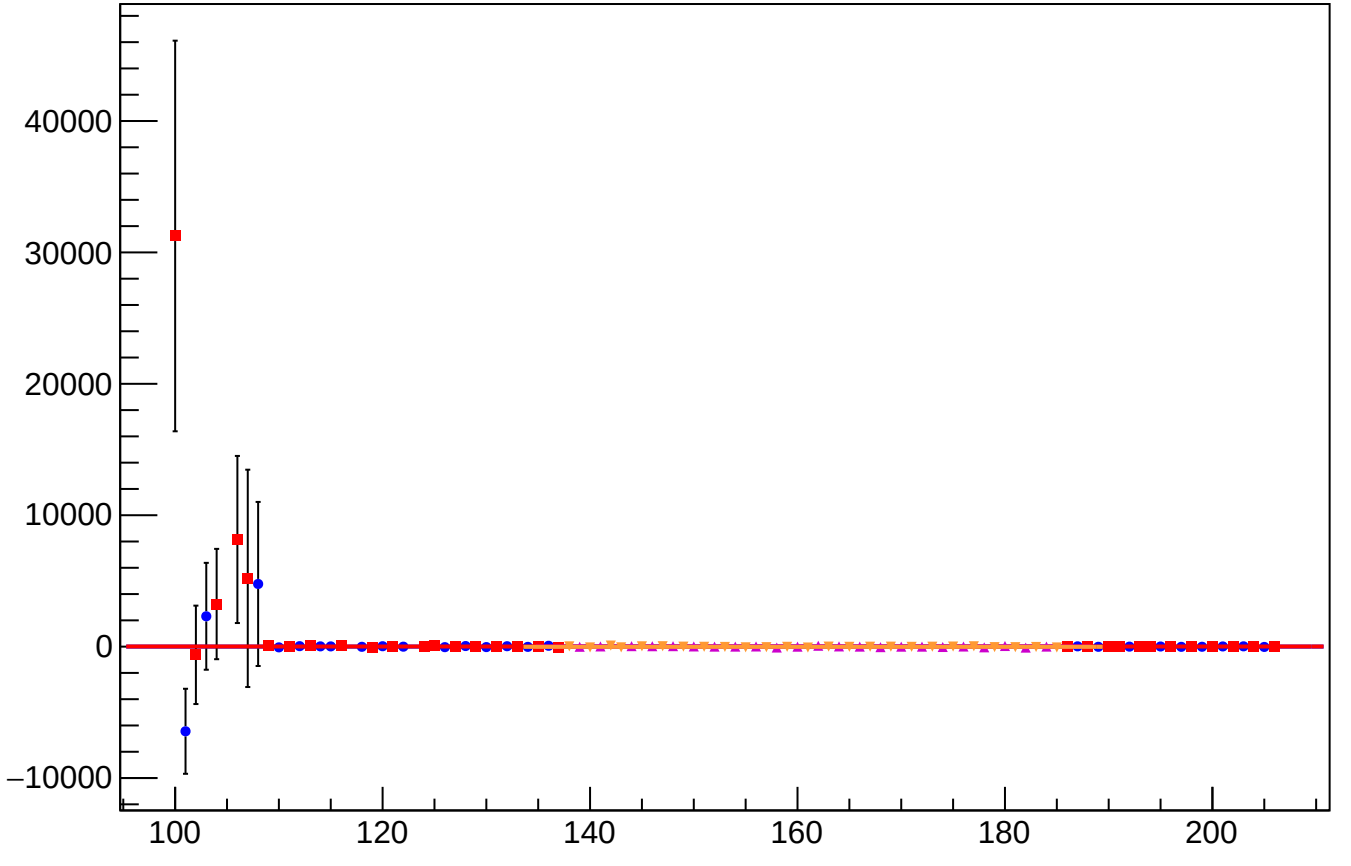
Right: 174.272+/-0.025 χ^2/NDF: 10323877.8/55

In: 180.083+/-0.024 χ^2/NDF:6303676.4/47

Out: 186.922+/-0.024 χ^2/NDF:7683803.7/55

All: 183.521+/-0.017 χ^2/NDF: 14028585.5/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.530+/-7.779 χ^2/NDF: 18.6/24

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 10.695+/-7.258 χ^2/NDF: 30.3/30

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

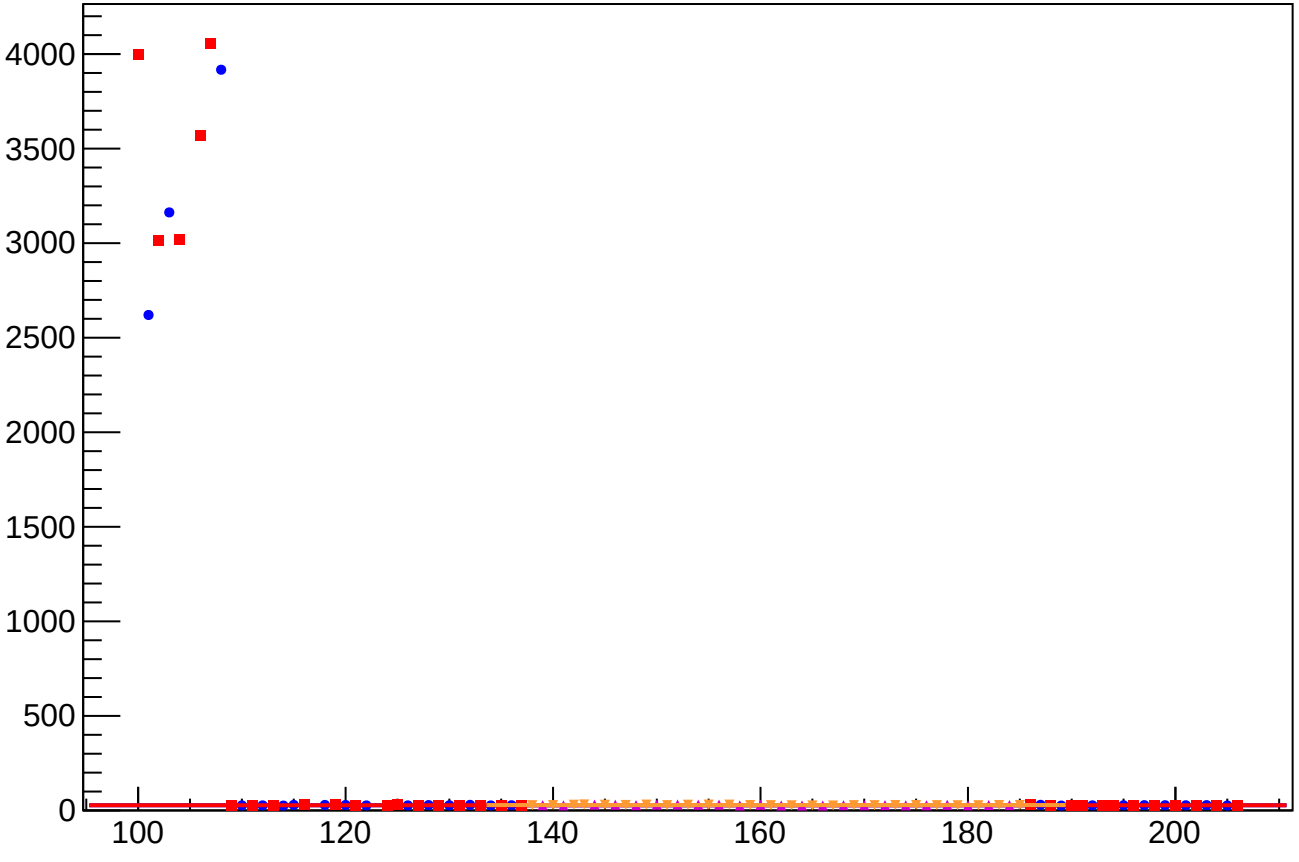
Right: 7.361+/-5.307 χ^2/NDF: 49.4/55

In: 2.751+/-5.078 χ^2/NDF:47.0/47

Out: -3.445+/-4.847 χ^2/NDF:59.4/55

All: -0.491+/-3.506 χ^2/NDF: 107.1/103

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.441+/-0.006 χ^2/NDF: 3278827.5/24

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.503+/-0.005 χ^2/NDF: 3583724.6/30

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

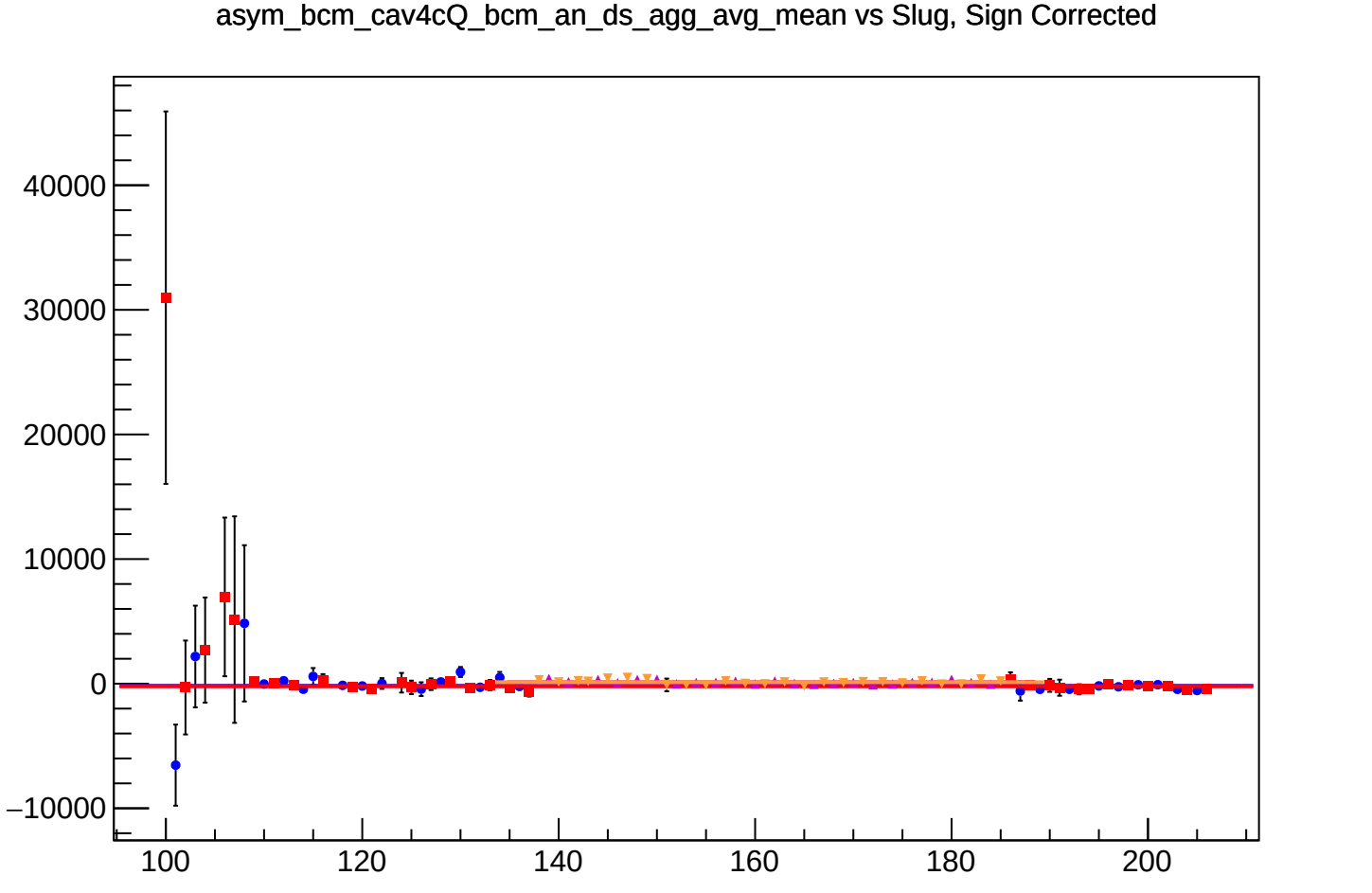
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.474+/-0.004 χ^2/NDF: 6862621.3/55

In: 28.109+/-0.004 χ^2/NDF:3427500.4/47

Out: 28.103+/-0.003 χ^2/NDF:3696499.9/55

All: 28.106+/-0.002 χ^2/NDF: 7124002.0/103



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -204.180+/-48.118 χ^2/NDF: 24.9/30

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

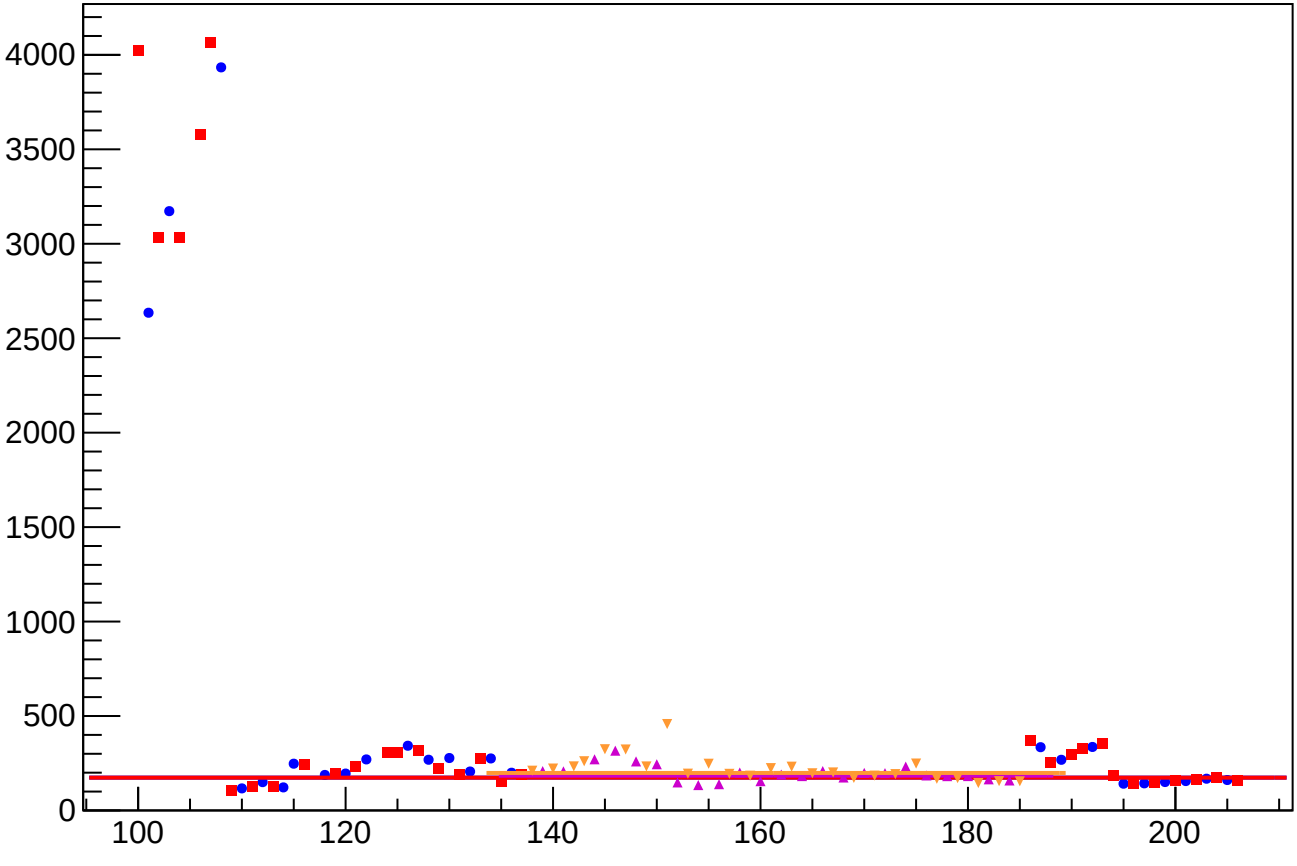
Right: -190.866+/-35.104 χ^2/NDF: 56.4/55

In: -9.960+/-33.746 χ^2/NDF:58.1/47

Out: -36.691+/-33.558 χ^2/NDF:60.4/55

All: -23.400+/-23.795 χ^2/NDF: 118.9/103

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 173.627+/-0.034 χ^2/NDF: 5527367.4/30

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

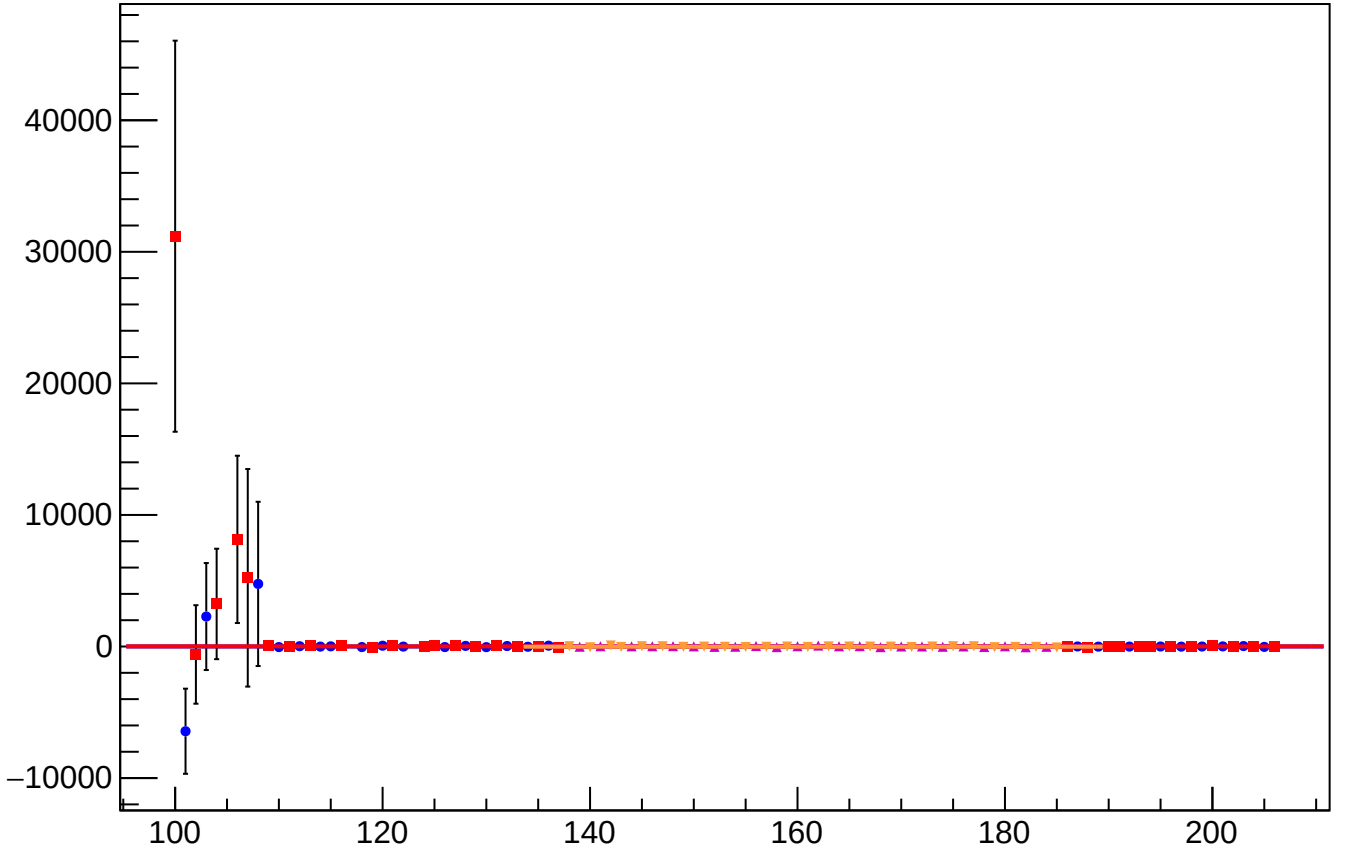
Right: 173.720+/-0.025 χ^2/NDF: 10355834.6/55

In: 179.631+/-0.024 χ^2/NDF:6318937.9/47

Out: 186.438+/-0.024 χ^2/NDF:7704919.9/55

All: 183.054+/-0.017 χ^2/NDF: 14064775.9/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 12.402+/-7.244 χ^2/NDF: 30.7/30

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

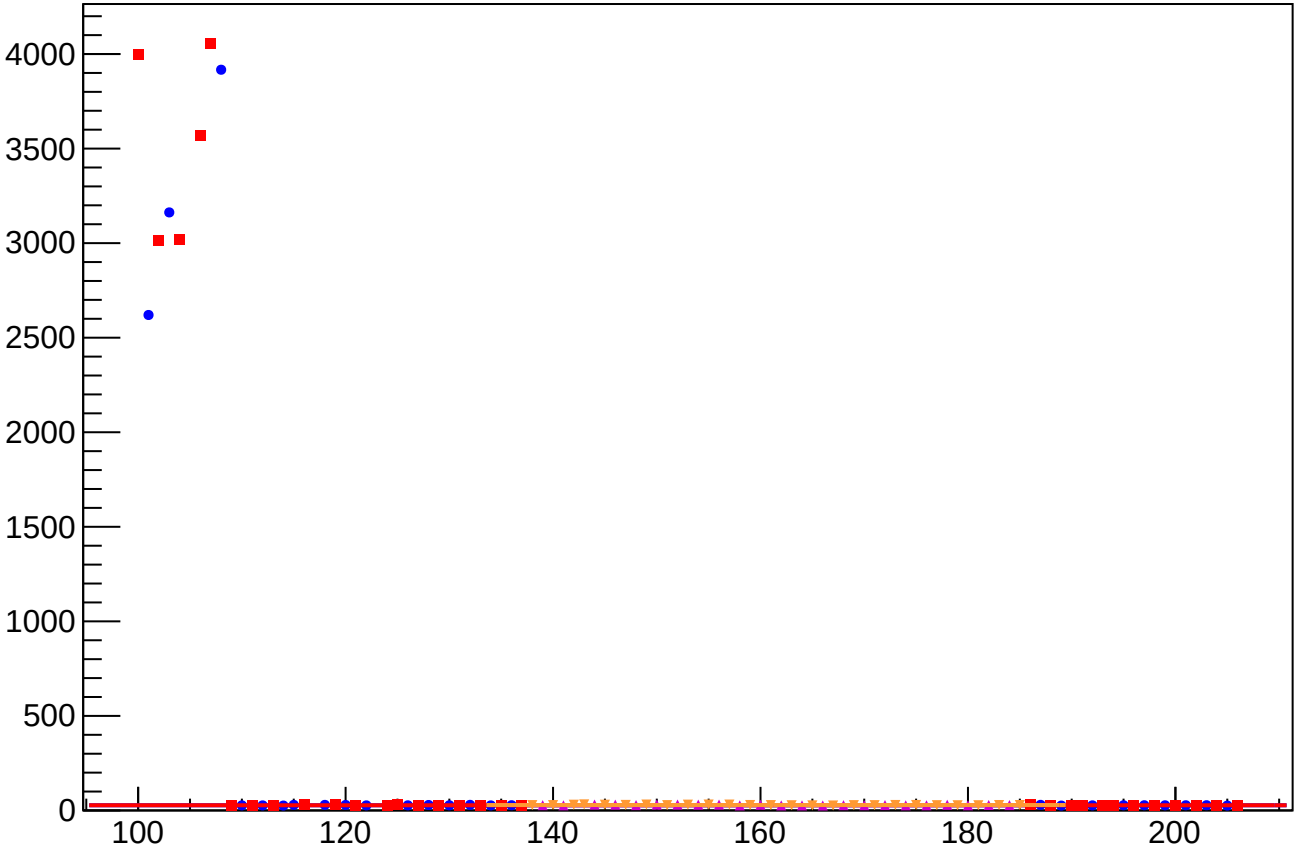
Right: 7.480+/-5.296 χ^2/NDF: 52.9/55

In: 2.255+/-5.086 χ^2/NDF:43.4/47

Out: -0.966+/-4.855 χ^2/NDF:54.8/55

All: 0.570+/-3.512 χ^2/NDF: 98.4/103

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.452+/-0.005 χ^2/NDF: 3583729.5/30

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

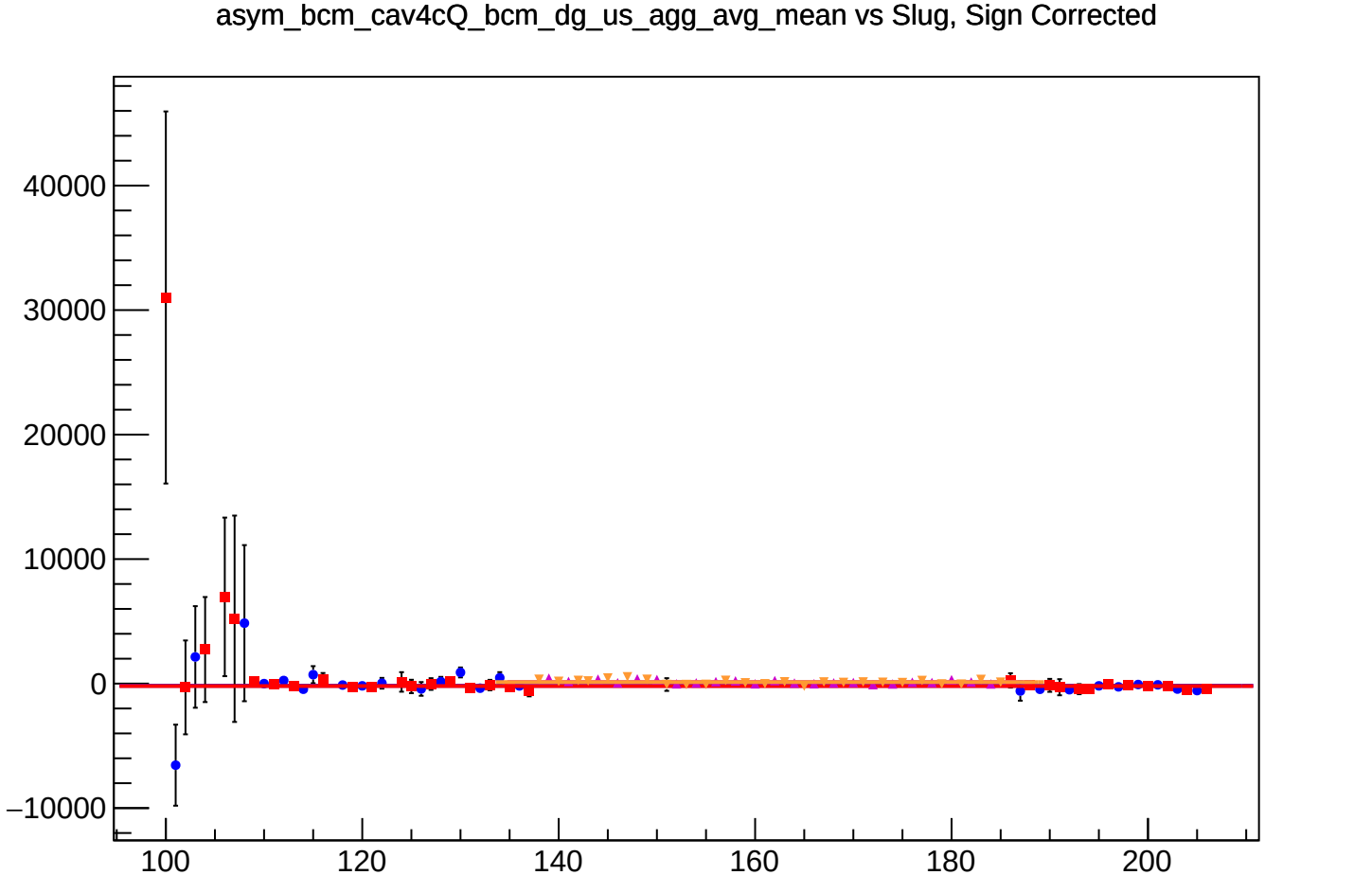
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.417+/-0.004 χ^2/NDF: 6867129.4/55

In: 28.147+/-0.004 χ^2/NDF:3445291.9/47

Out: 28.144+/-0.003 χ^2/NDF:3715672.9/55

All: 28.145+/-0.002 χ^2/NDF: 7160965.3/103



Right In: -175.743+/-51.712 χ^2/NDF: 32.0/24

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -197.526+/-48.495 χ^2/NDF: 23.3/30

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

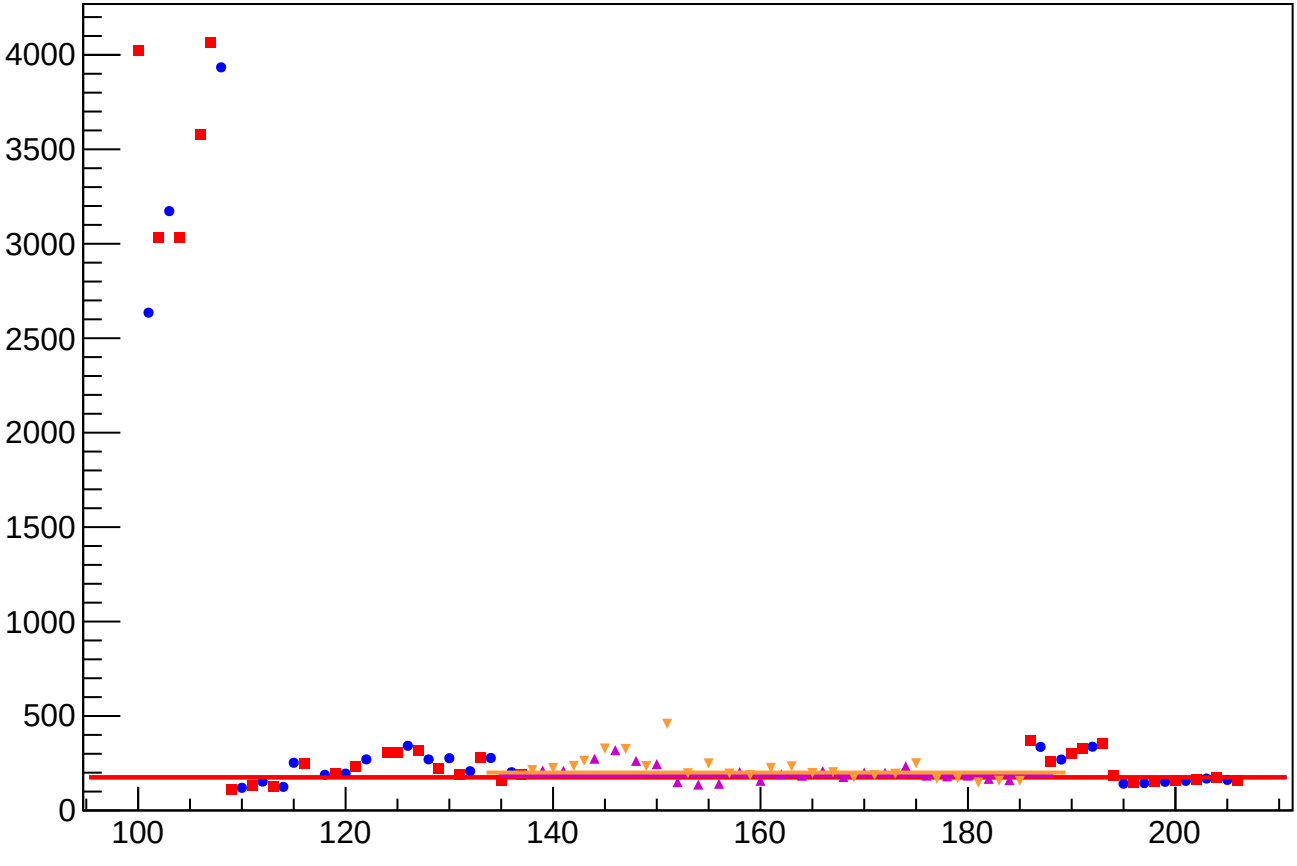
Right: -187.333+/-35.374 χ^2/NDF: 55.4/55

In: -6.585+/-34.062 χ^2/NDF:59.4/47

Out: -33.335+/-33.860 χ^2/NDF:57.0/55

All: -20.039+/-24.014 χ^2/NDF: 116.7/103

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.267+/-0.037 χ^2/NDF: 4796516.5/24

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 175.208+/-0.034 χ^2/NDF: 5465094.6/30

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

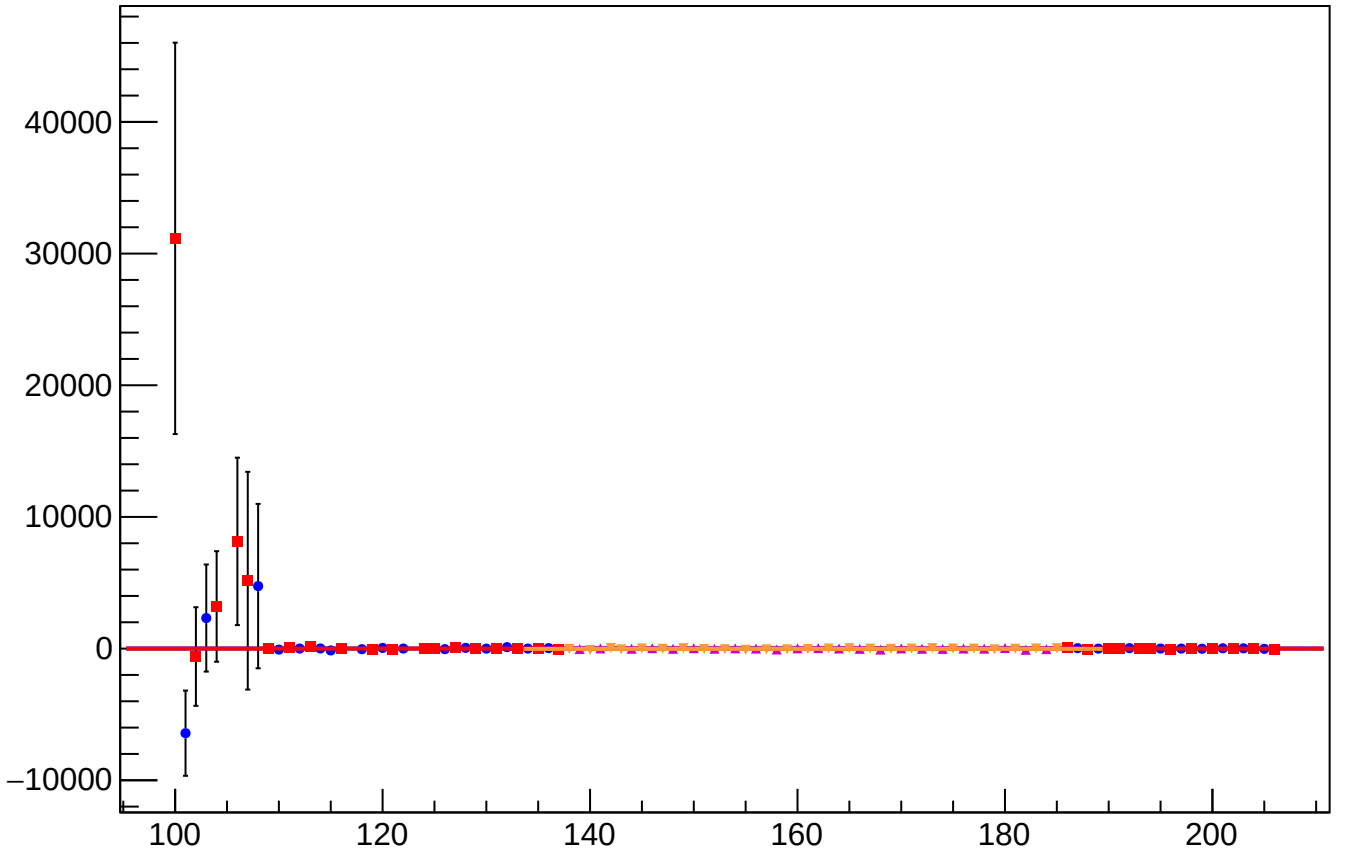
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 175.236+/-0.025 χ^2/NDF: 10261612.4/55

In: 181.439+/-0.024 χ^2/NDF:6260226.2/47

Out: 188.265+/-0.024 χ^2/NDF:7628072.0/55

All: 184.872+/-0.017 χ^2/NDF: 13928690.4/10



Right In: 6.227+/-9.469 χ^2/NDF: 19.7/24

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 0.816+/-8.829 χ^2/NDF: 33.6/30

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

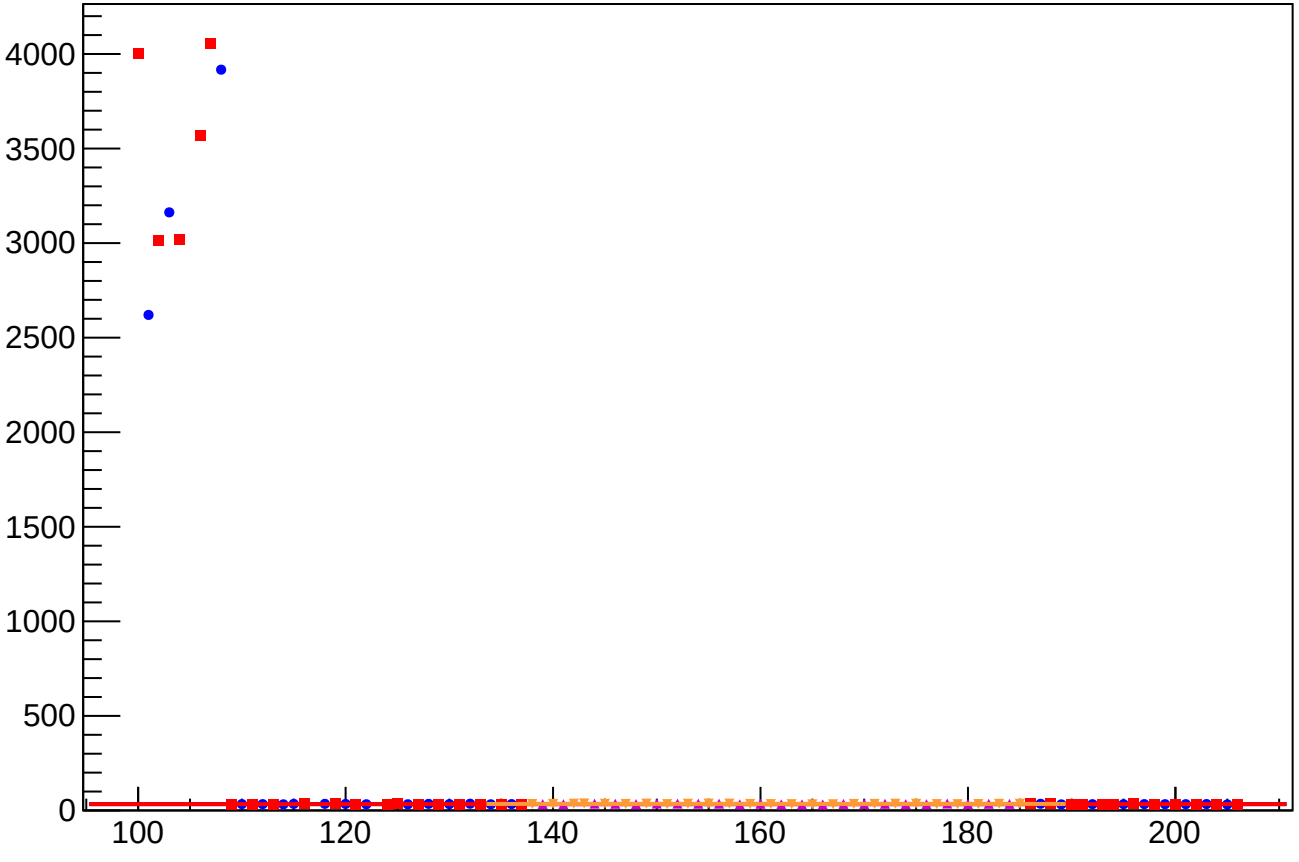
Right: 3.332+/-6.458 χ^2/NDF: 53.5/55

In: 0.294+/-6.148 χ^2/NDF:39.3/47

Out: -11.516+/-5.860 χ^2/NDF:60.0/55

All: -5.894+/-4.242 χ^2/NDF: 101.3/103

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.436+/-0.007 χ^2/NDF: 3254511.2/24

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.505+/-0.006 χ^2/NDF: 3542877.1/30

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

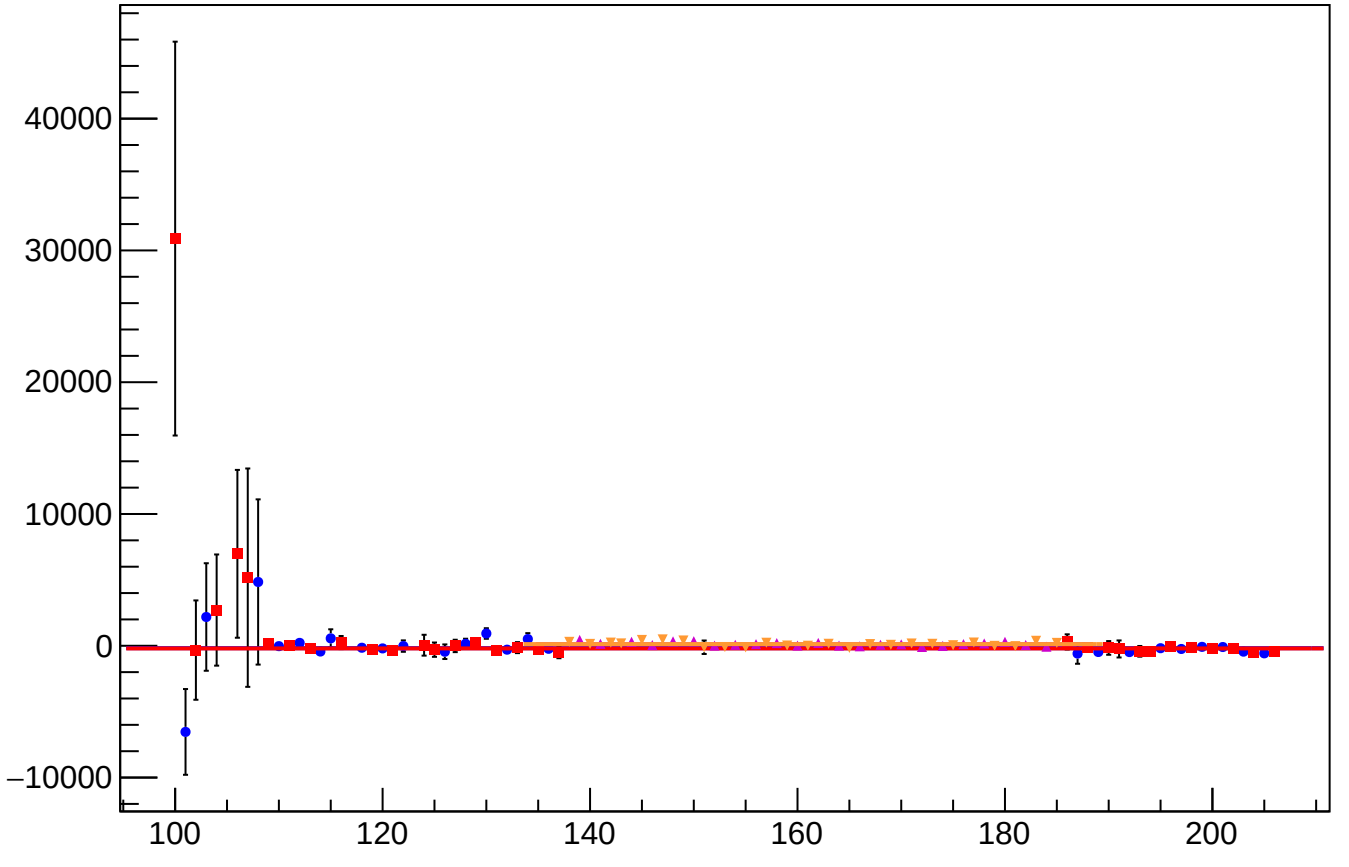
Right: 33.473+/-0.005 χ^2/NDF: 6797446.2/55

In: 34.081+/-0.004 χ^2/NDF:3329871.0/47

Out: 34.027+/-0.004 χ^2/NDF:3600065.9/55

All: 34.053+/-0.003 χ^2/NDF: 6930017.9/103

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -201.313+/-48.312 χ^2/NDF: 23.1/30

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

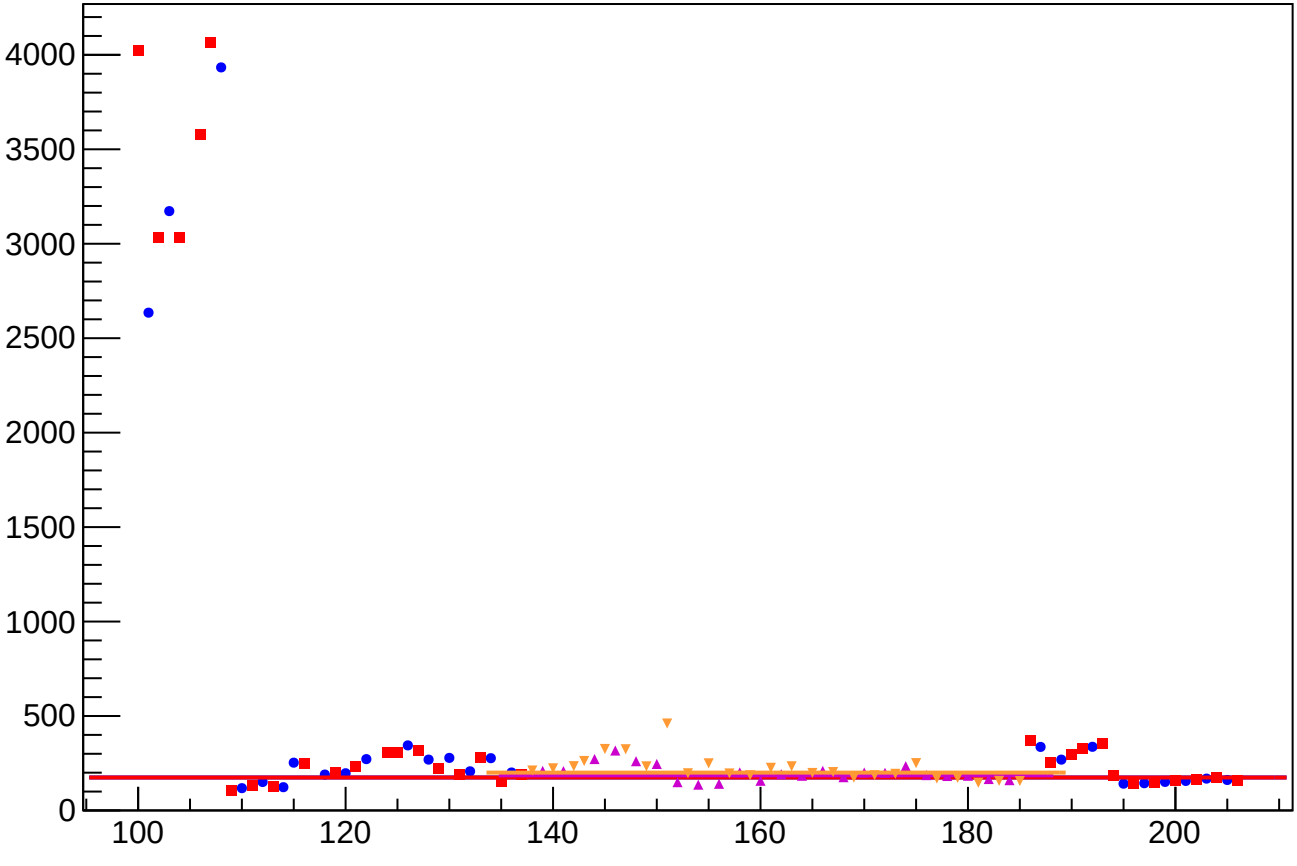
Right: -192.235+/-35.253 χ^2/NDF: 54.8/55

In: -9.611+/-33.987 χ^2/NDF:59.3/47

Out: -33.079+/-33.772 χ^2/NDF:58.5/55

All: -21.419+/-23.956 χ^2/NDF: 118.0/103

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 174.372+/-0.034 χ^2/NDF: 5516664.3/30

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

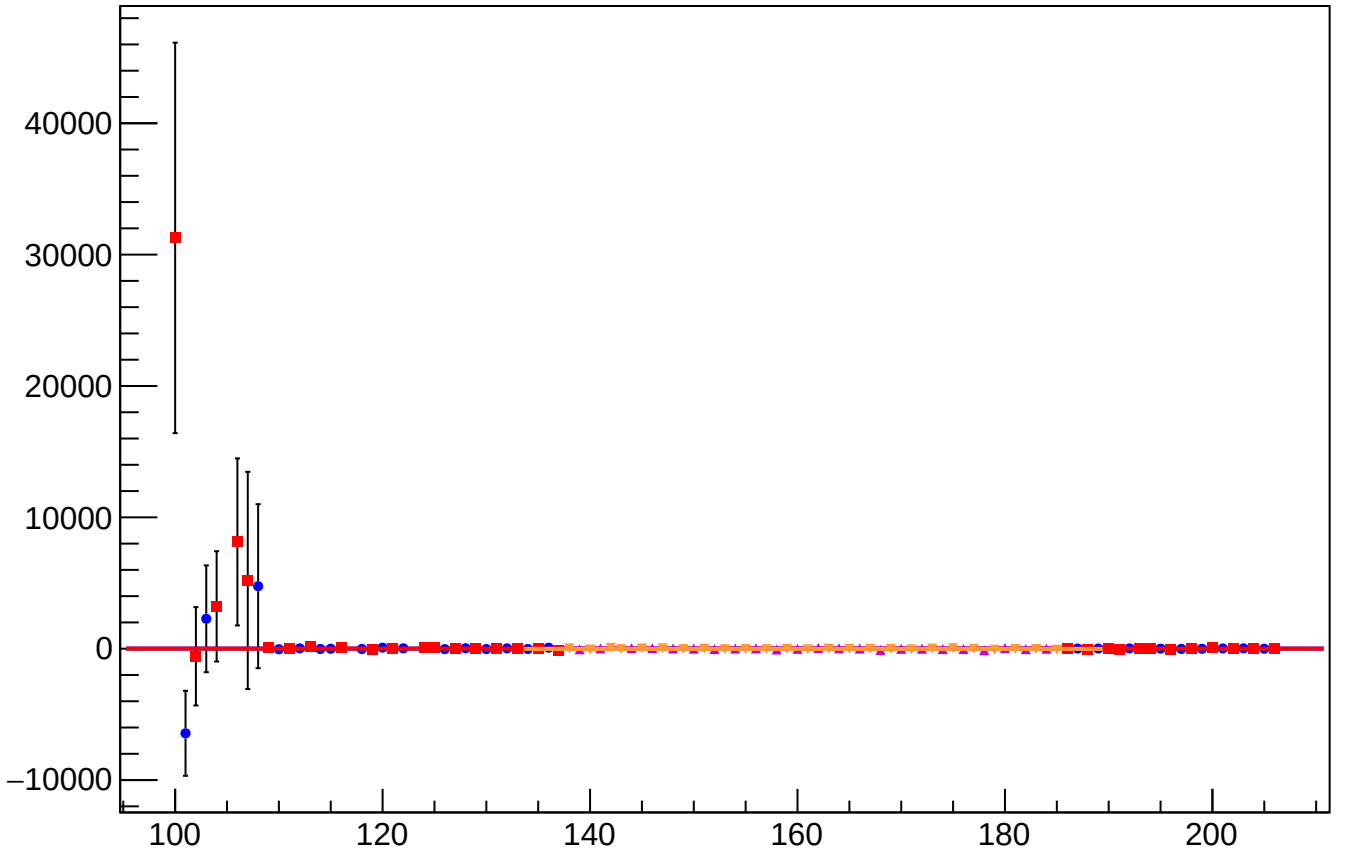
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 174.487+/-0.025 χ^2/NDF: 10342055.0/55

In: 180.981+/-0.024 χ^2/NDF:6284778.3/47

Out: 187.667+/-0.024 χ^2/NDF:7689388.1/55

All: 184.345+/-0.017 χ^2/NDF: 14013119.2/10



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 5.448+/-7.995 χ^2/NDF: 39.3/30

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

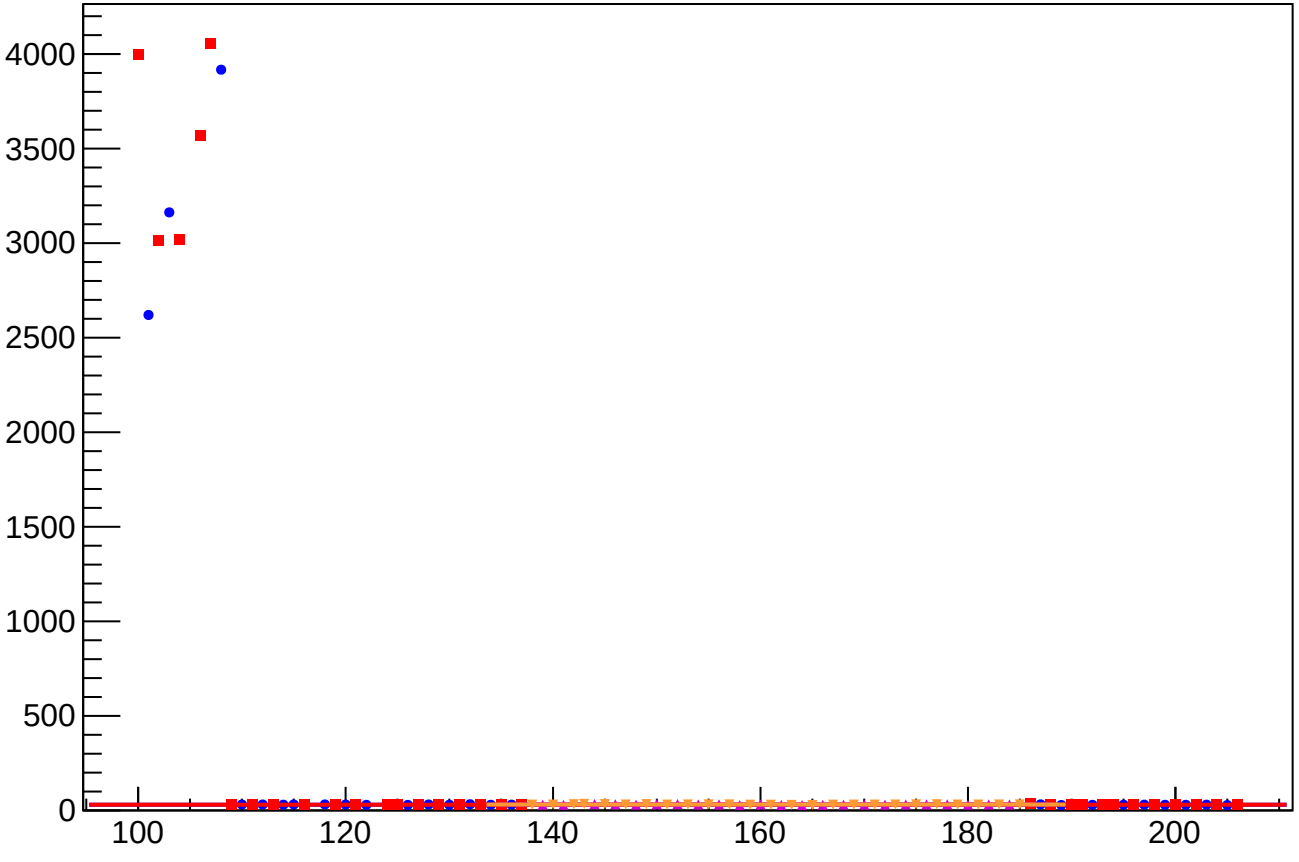
Right: 7.592+/-5.849 χ^2/NDF: 56.7/55

In: 2.694+/-5.581 χ^2/NDF:54.0/47

Out: -7.928+/-5.323 χ^2/NDF:64.8/55

All: -2.868+/-3.852 χ^2/NDF: 120.7/103

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.315+/-0.006 χ^2/NDF: 3561584.2/30

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

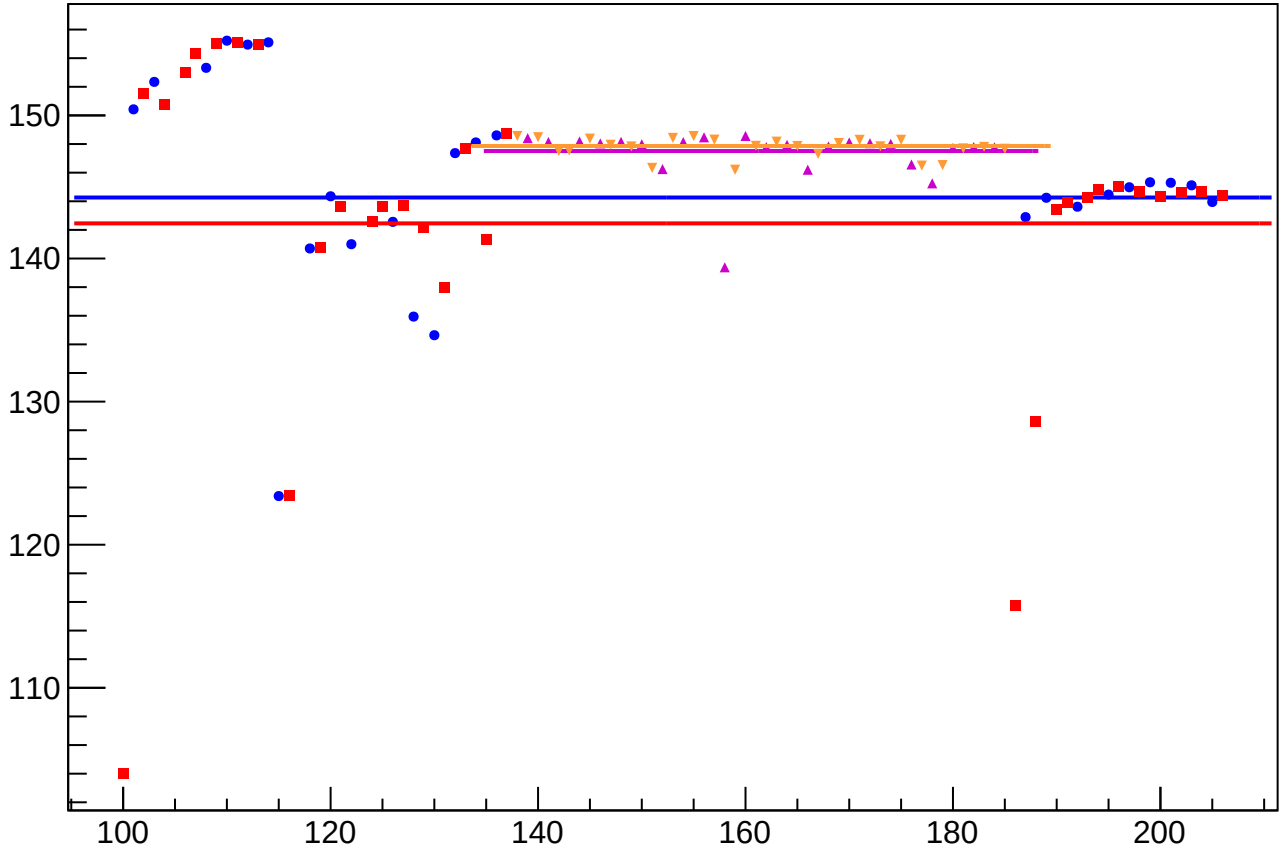
Right: 30.295+/-0.004 χ^2/NDF: 6833391.7/55

In: 30.911+/-0.004 χ^2/NDF:3376242.8/47

Out: 30.885+/-0.004 χ^2/NDF:3642904.0/55

All: 30.897+/-0.003 χ^2/NDF: 7019168.4/103

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

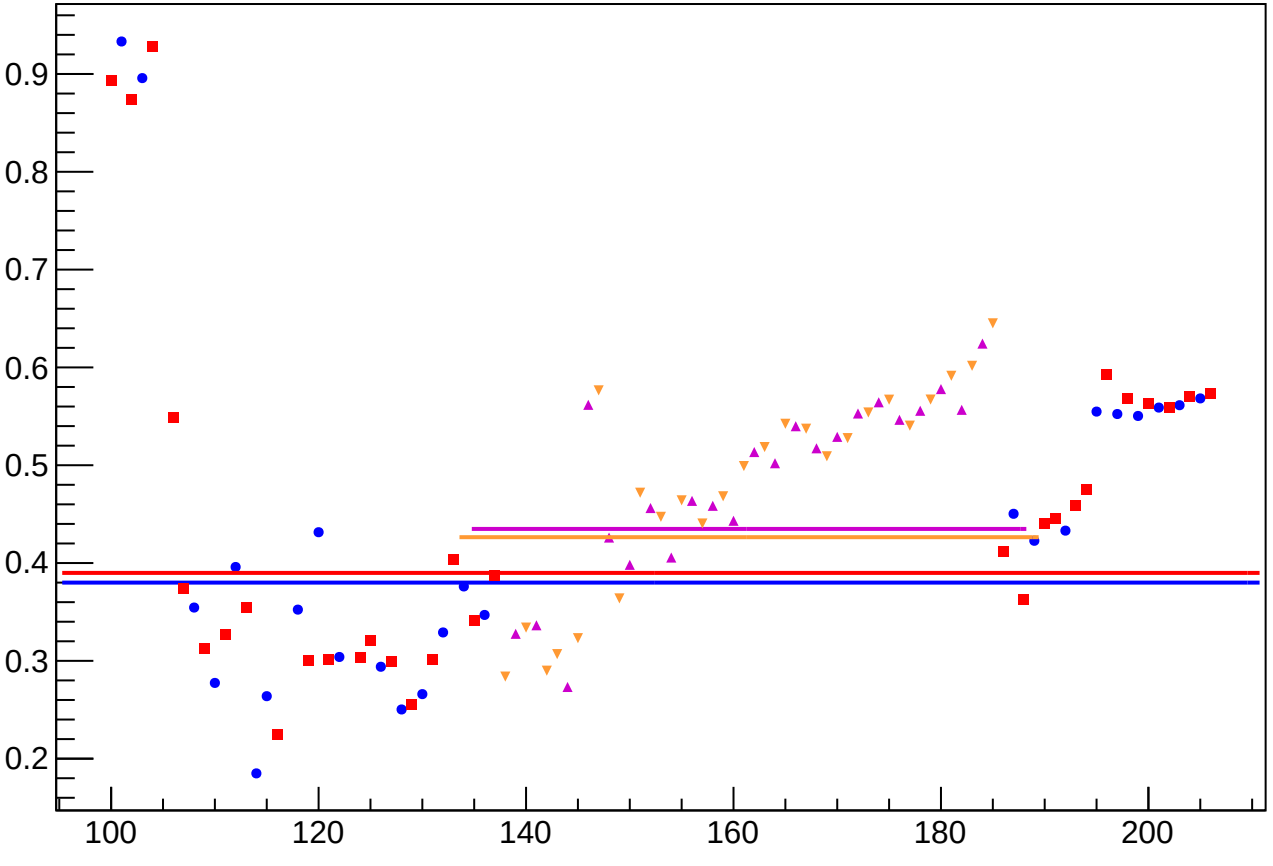
Right: 143.304+/-0.000 χ^2/NDF: 11427199969.6/55

In: 145.961+/-0.000 χ^2/NDF:4493687837.0/47

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.578+/-0.000 χ^2/NDF: 13515422680.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

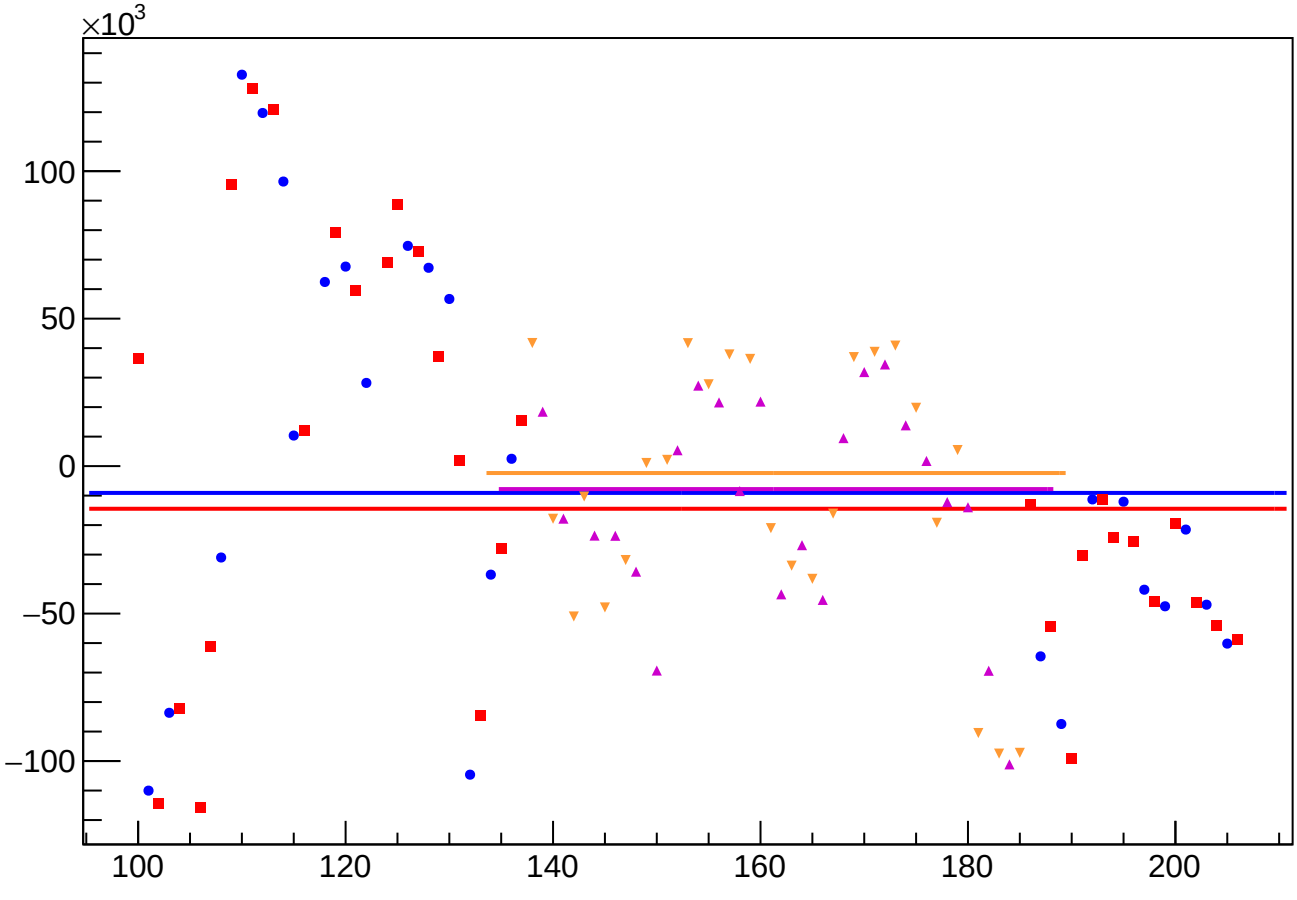
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.385+/-0.000 χ^2/NDF: 5713790.7/55

In: 0.409+/-0.000 χ^2/NDF:4850205.3/47

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.409+/-0.000 χ^2/NDF: 10121677.4/103



Right In: -9086.981+/-1.457 χ^2/NDF: 1891195378.5/24

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -14461.416+/-1.319 χ^2/NDF: 2387809233.8/30

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

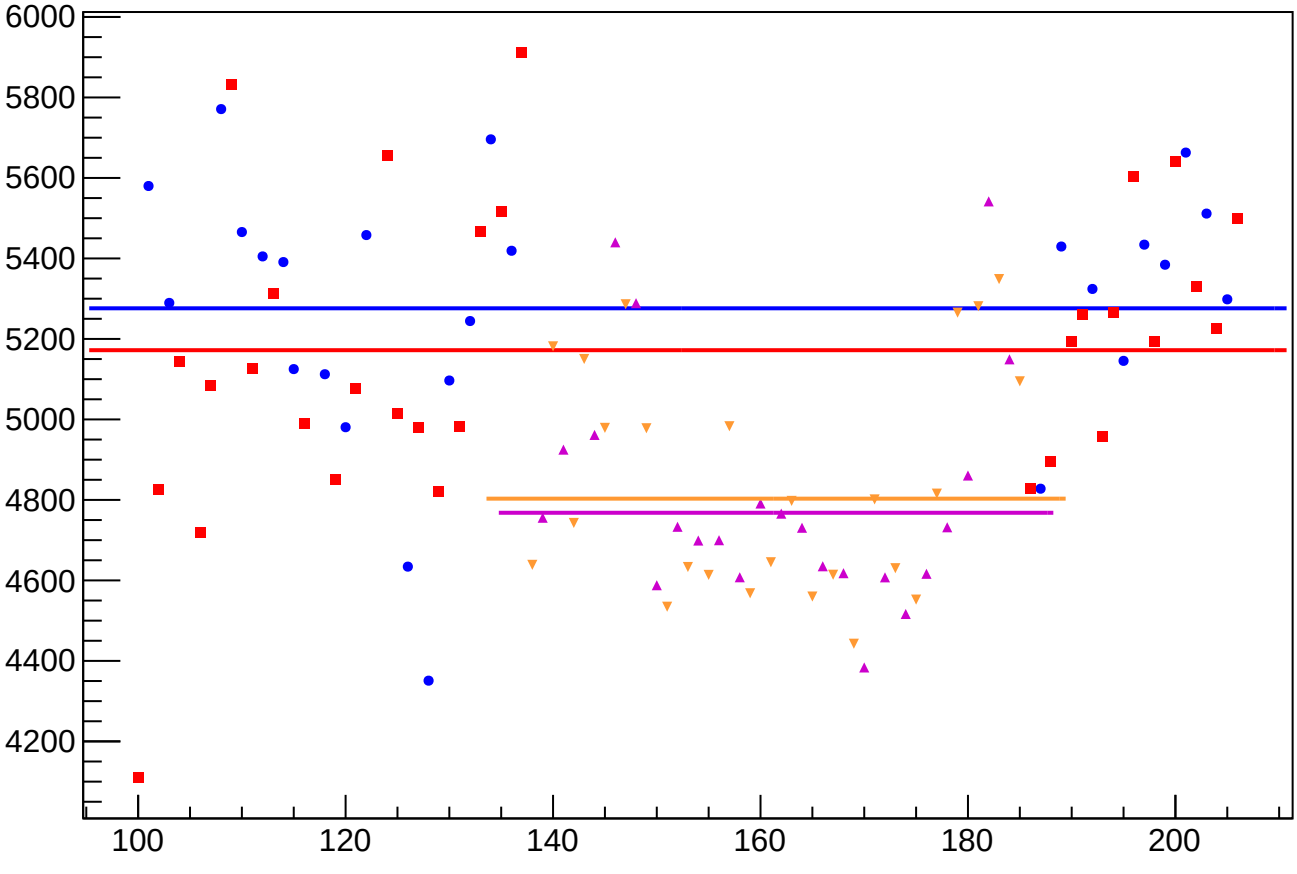
Right: -12040.902+/-0.978 χ^2/NDF: 4286479244.9/

In: -8283.420+/-0.900 χ^2/NDF:2654183522.3/47

Out: -7437.135+/-0.855 χ^2/NDF:3666741031.5/55

All: -7838.650+/-0.620 χ^2/NDF: 6321389106

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5276.098+/-1.031 χ^2/NDF: 97397.9/24

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5172.022+/-0.933 χ^2/NDF: 104202.5/30

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

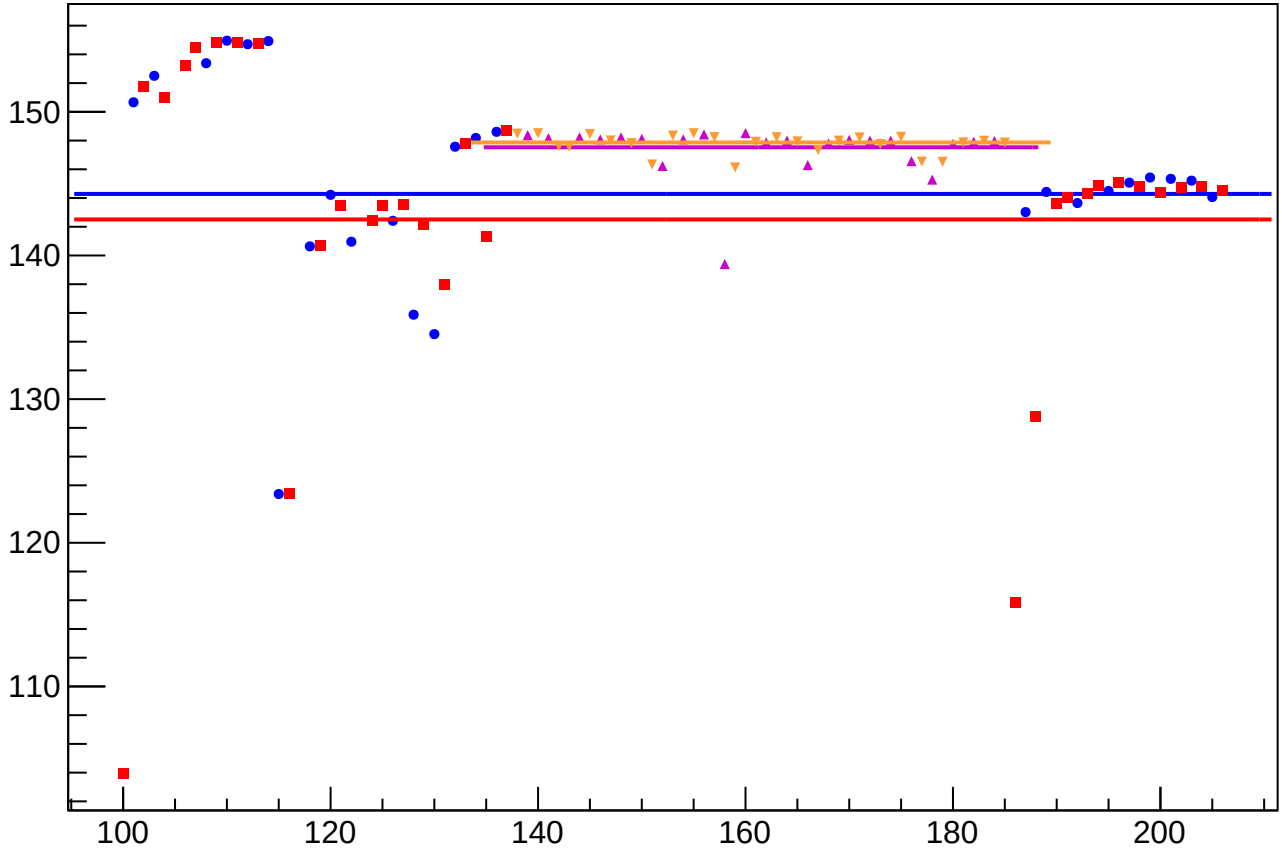
Right: 5218.895+/-0.692 χ^2/NDF: 207206.4/55

In: 4961.865+/-0.636 χ^2/NDF:350081.7/47

Out: 4958.169+/-0.605 χ^2/NDF:309537.4/55

All: 4959.923+/-0.438 χ^2/NDF: 659636.9/103

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.285+/-0.000 χ^2/NDF: 3779630086.3/24

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.507+/-0.000 χ^2/NDF: 7523816319.2/30

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

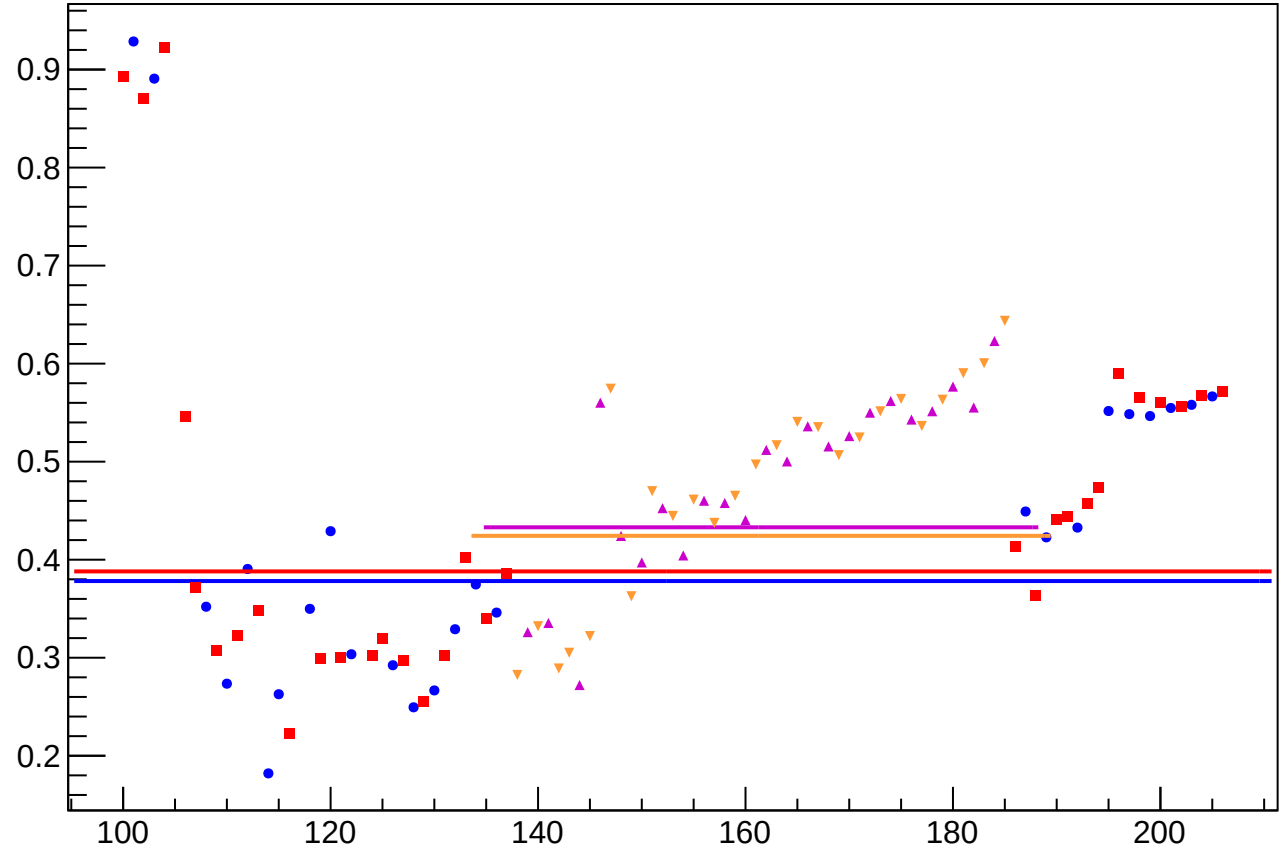
Right: 143.342+/-0.000 χ^2/NDF: 11441224788.7/55

In: 145.982+/-0.000 χ^2/NDF:4539472248.5/47

Out: 145.261+/-0.000 χ^2/NDF:8938960030.0/55

All: 145.603+/-0.000 χ^2/NDF: 13525459686.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.378+/-0.000 χ^2/NDF: 2817256.1/24

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.388+/-0.000 χ^2/NDF: 2894155.2/30

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

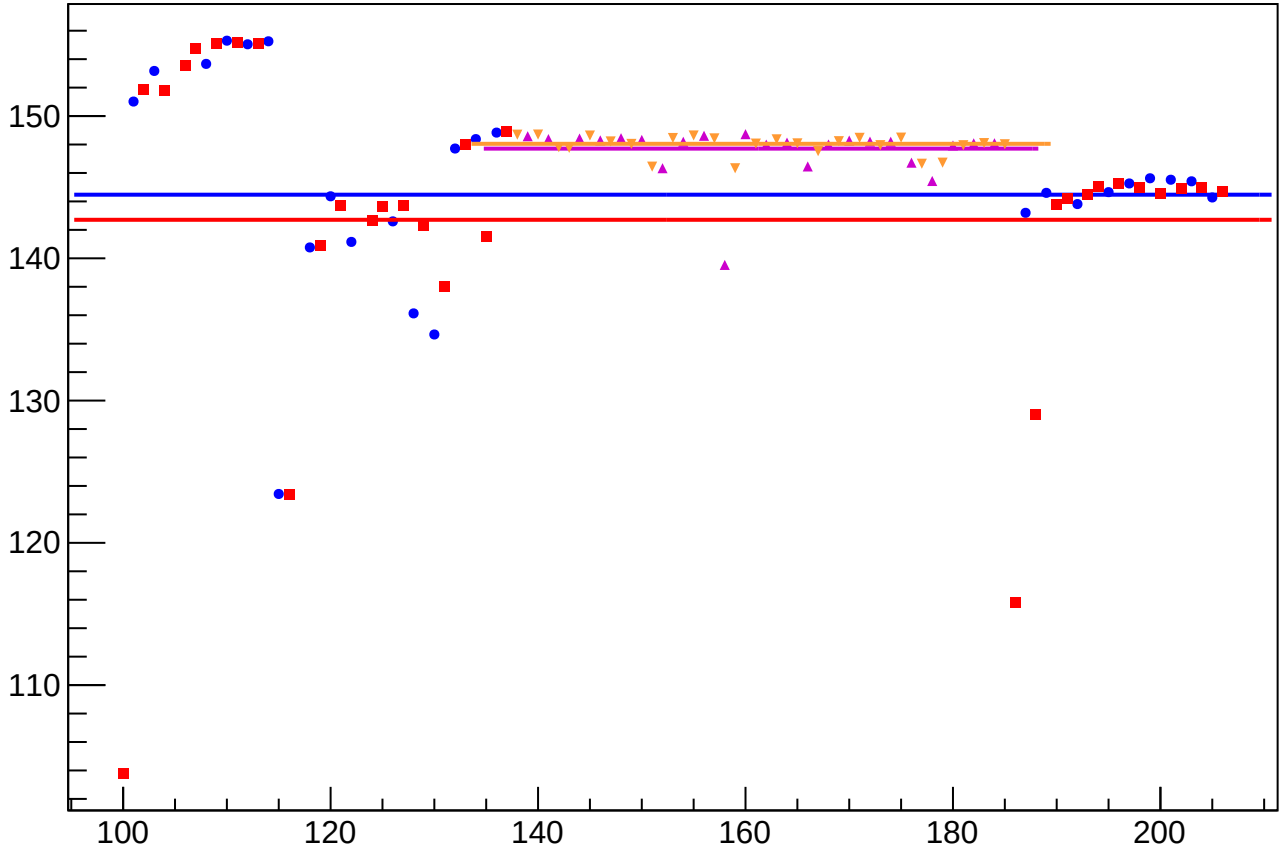
Right: 0.383+/-0.000 χ^2/NDF: 5719877.3/55

In: 0.407+/-0.000 χ^2/NDF:4846732.4/47

Out: 0.407+/-0.000 χ^2/NDF:5280477.4/55

All: 0.407+/-0.000 χ^2/NDF: 10127214.8/103

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.473+/-0.000 χ^2/NDF: 3773529976.0/24

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.708+/-0.000 χ^2/NDF: 7458493279.0/30

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

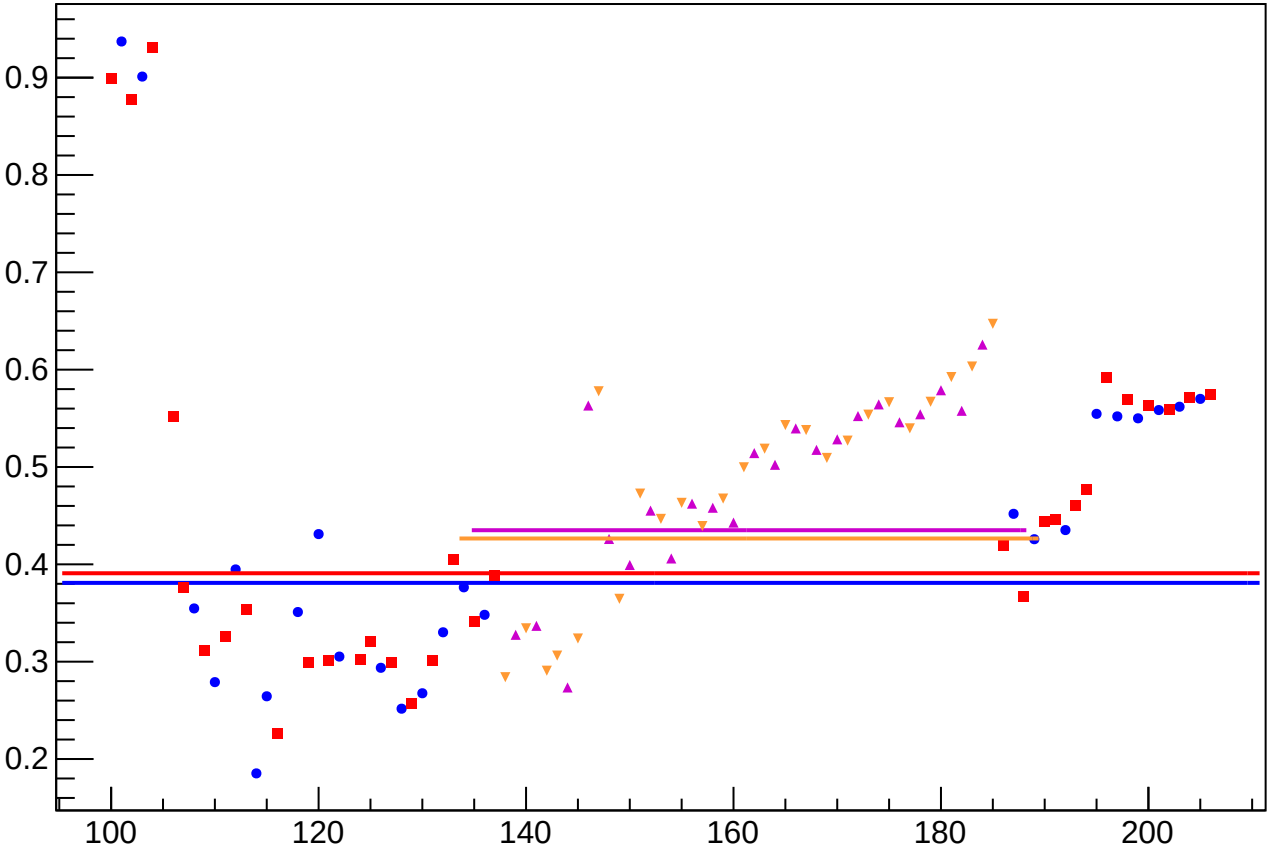
Right: 143.537+/-0.000 χ^2/NDF: 11365860731.6/55

In: 146.168+/-0.000 χ^2/NDF:4530318954.8/47

Out: 145.456+/-0.000 χ^2/NDF:8846689007.1/55

All: 145.794+/-0.000 χ^2/NDF: 13422426166.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.381+/-0.000 χ^2/NDF: 2807456.9/24

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.391+/-0.000 χ^2/NDF: 2888330.2/30

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

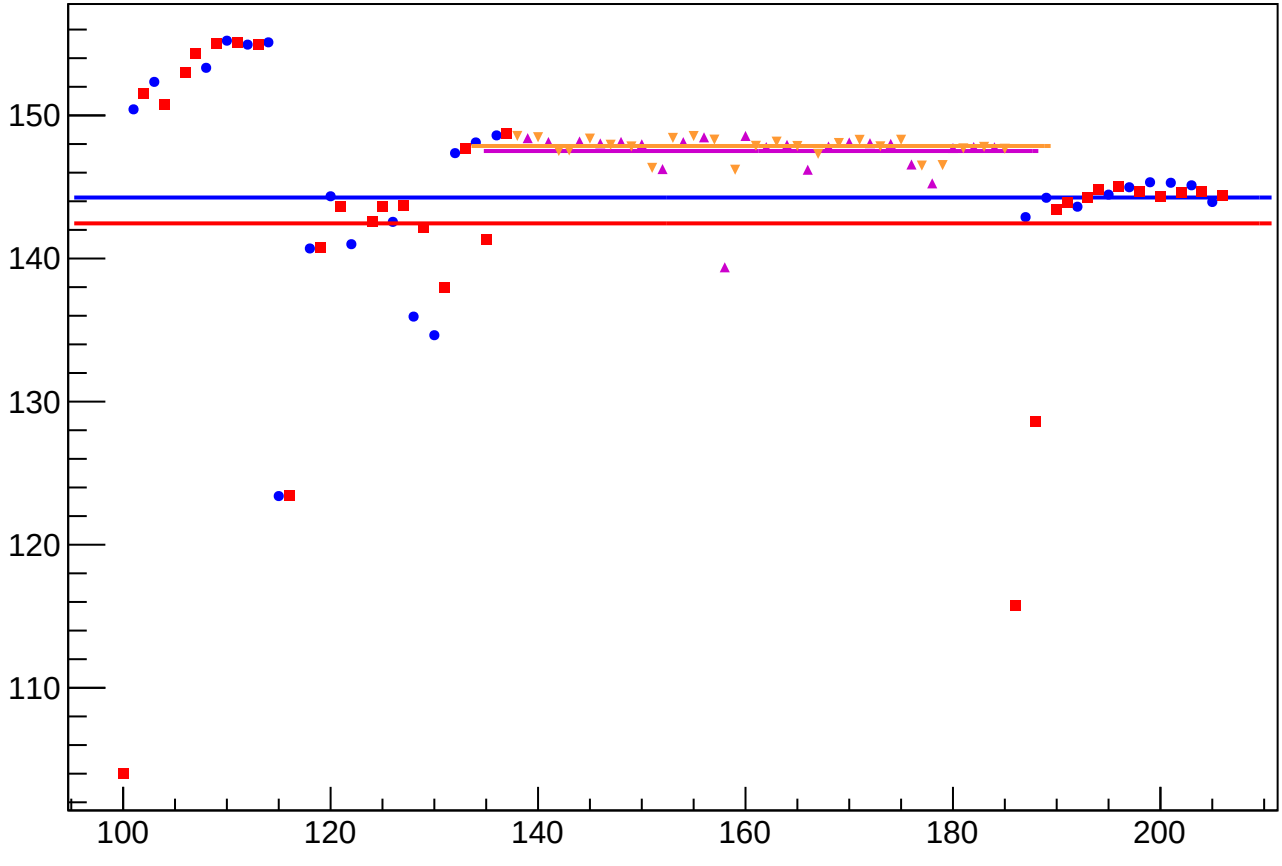
Right: 0.386+/-0.000 χ^2/NDF: 5704204.1/55

In: 0.409+/-0.000 χ^2/NDF:4825700.0/47

Out: 0.409+/-0.000 χ^2/NDF:5265926.8/55

All: 0.409+/-0.000 χ^2/NDF: 10091627.7/103

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

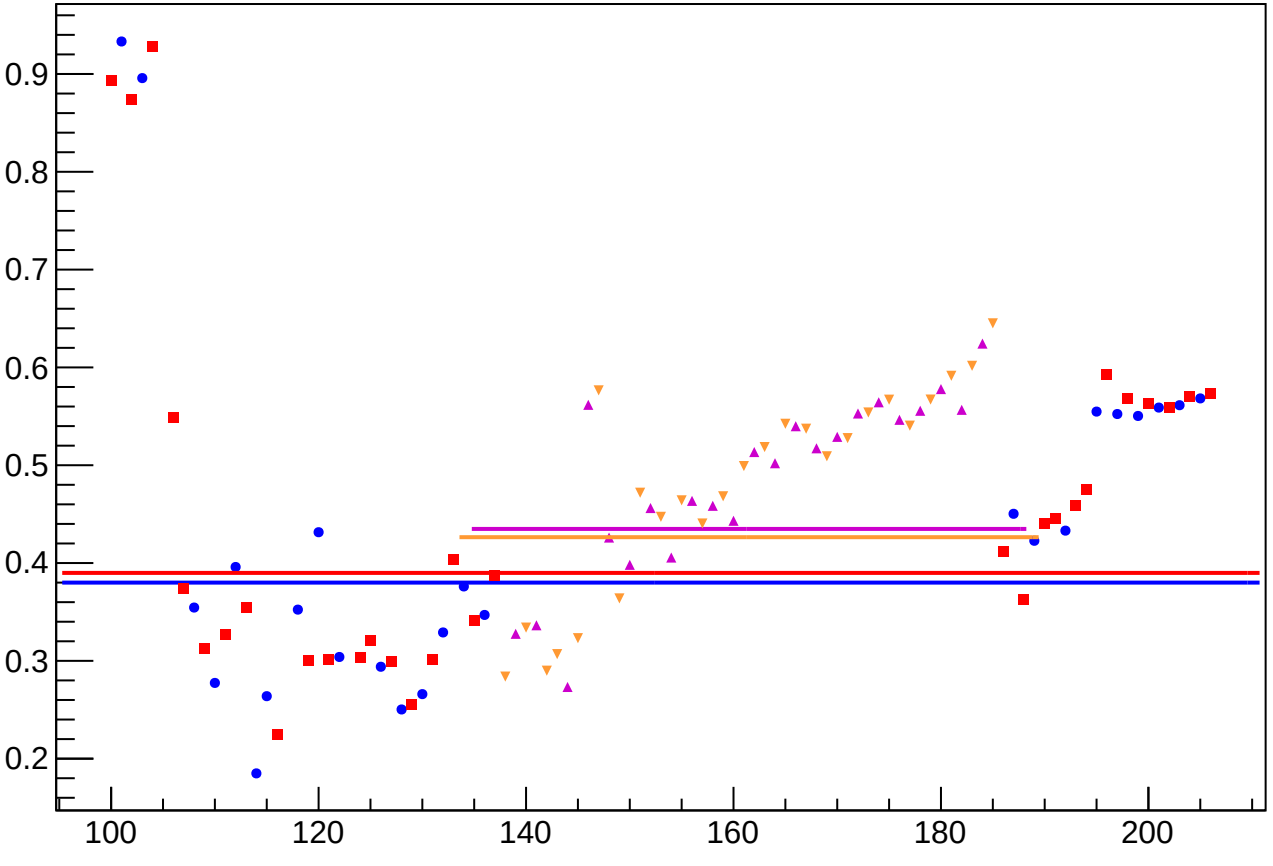
Right: 143.304+/-0.000 χ^2/NDF: 11427199969.6/55

In: 145.961+/-0.000 χ^2/NDF:4493687837.0/47

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.578+/-0.000 χ^2/NDF: 13515422680.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

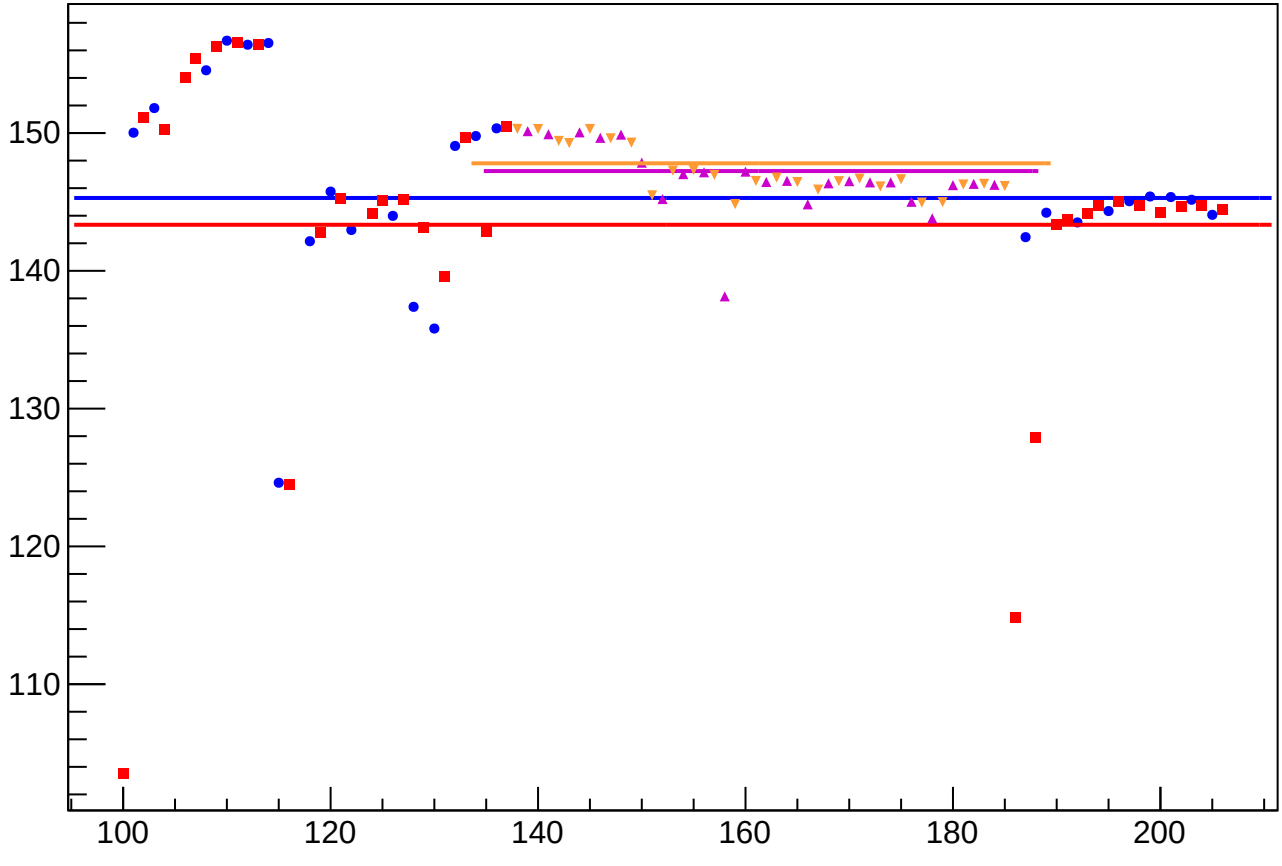
Right: 0.385+/-0.000 χ^2/NDF: 5713790.7/55

In: 0.409+/-0.000 χ^2/NDF:4850205.3/47

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.409+/-0.000 χ^2/NDF: 10121677.4/103

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.289+/-0.000 χ^2/NDF: 3519102423.7/24

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.343+/-0.000 χ^2/NDF: 7614555066.2/30

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

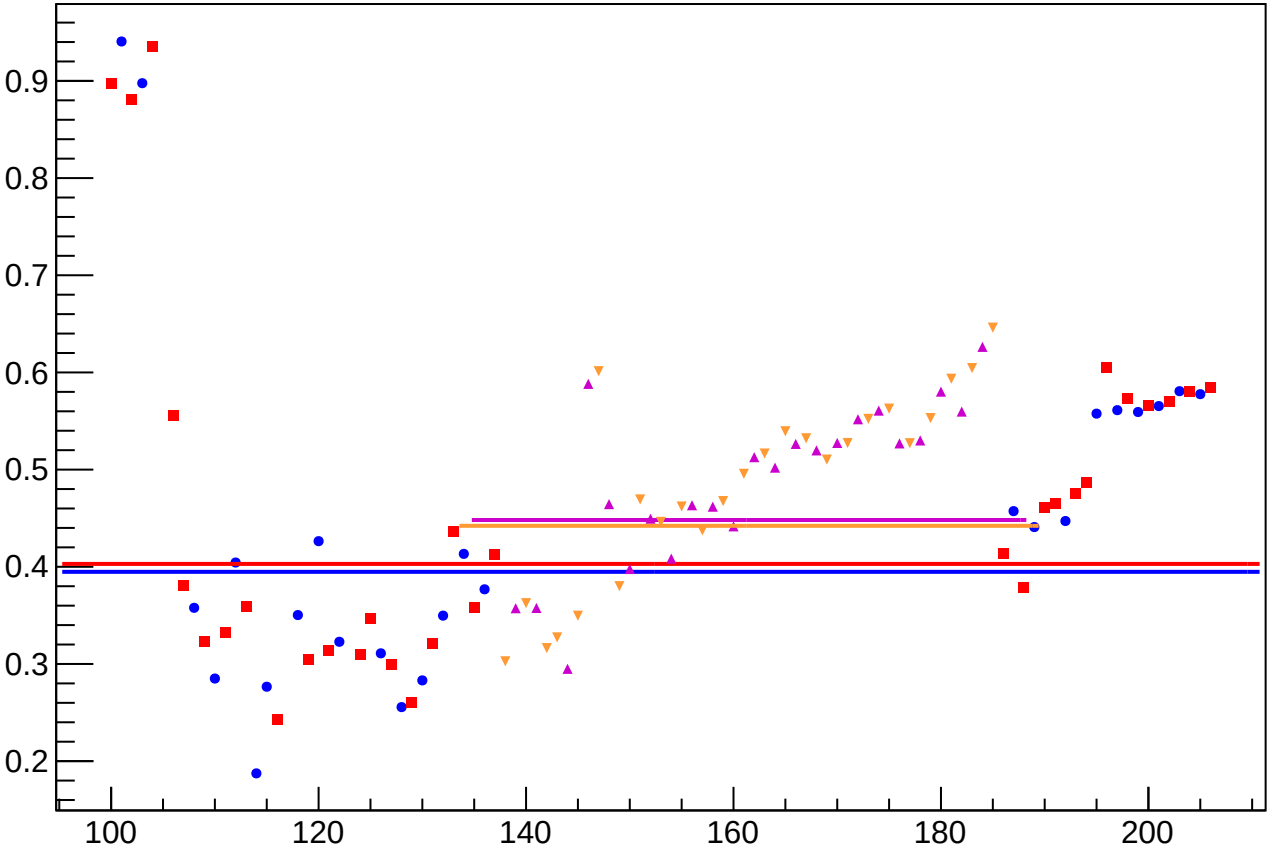
Right: 144.252+/-0.000 χ^2/NDF: 11286322549.0/55

In: 146.322+/-0.000 χ^2/NDF:4290360824.6/47

Out: 145.638+/-0.000 χ^2/NDF:8825410865.5/55

All: 145.963+/-0.000 χ^2/NDF: 13155212943.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 2677506.8/24

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.403+/-0.000 χ^2/NDF: 2755183.7/30

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

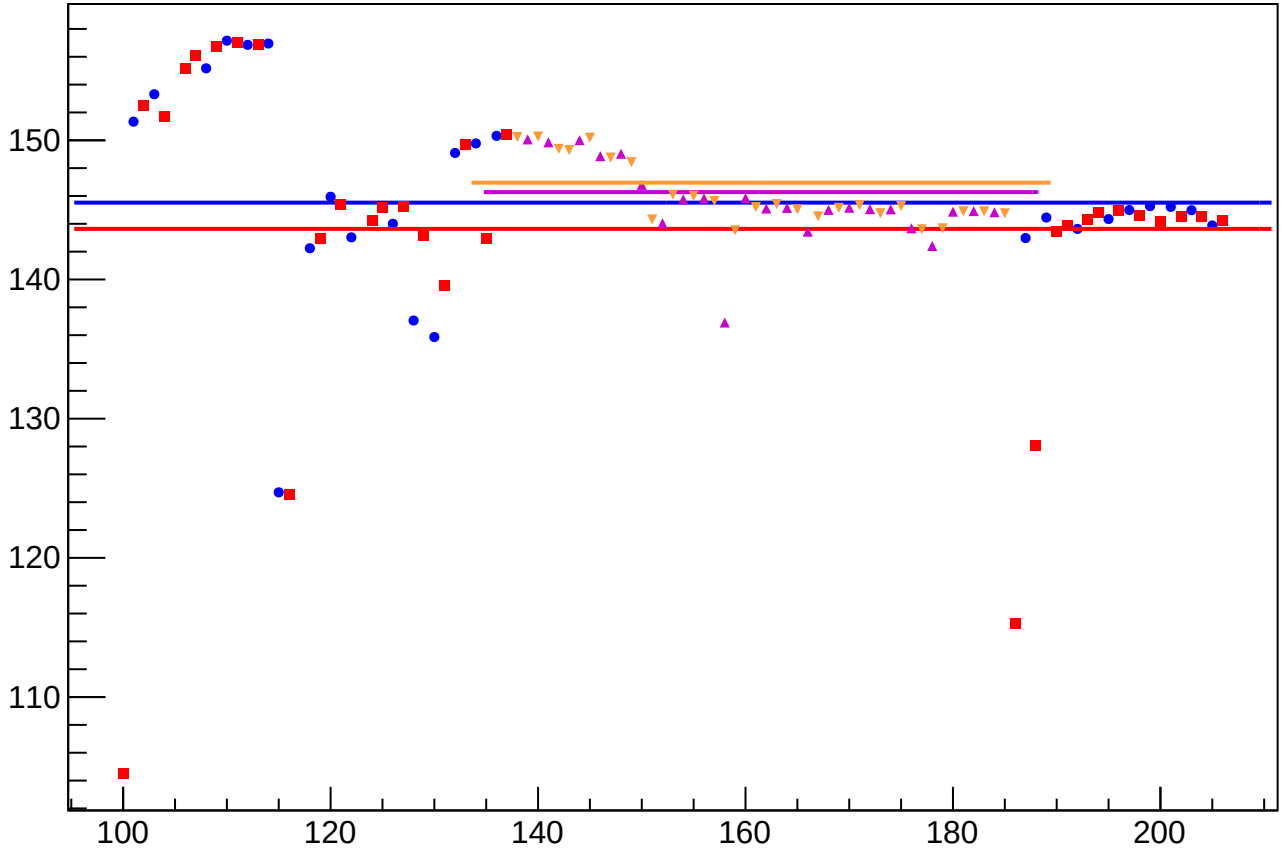
Right: 0.399+/-0.000 χ^2/NDF: 5438050.6/55

In: 0.423+/-0.000 χ^2/NDF:4253012.9/47

Out: 0.423+/-0.000 χ^2/NDF:4595882.9/55

All: 0.423+/-0.000 χ^2/NDF: 8848897.7/103

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.522+/-0.000 χ^2/NDF: 3668940989.1/24

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.635+/-0.000 χ^2/NDF: 7673791057.2/30

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

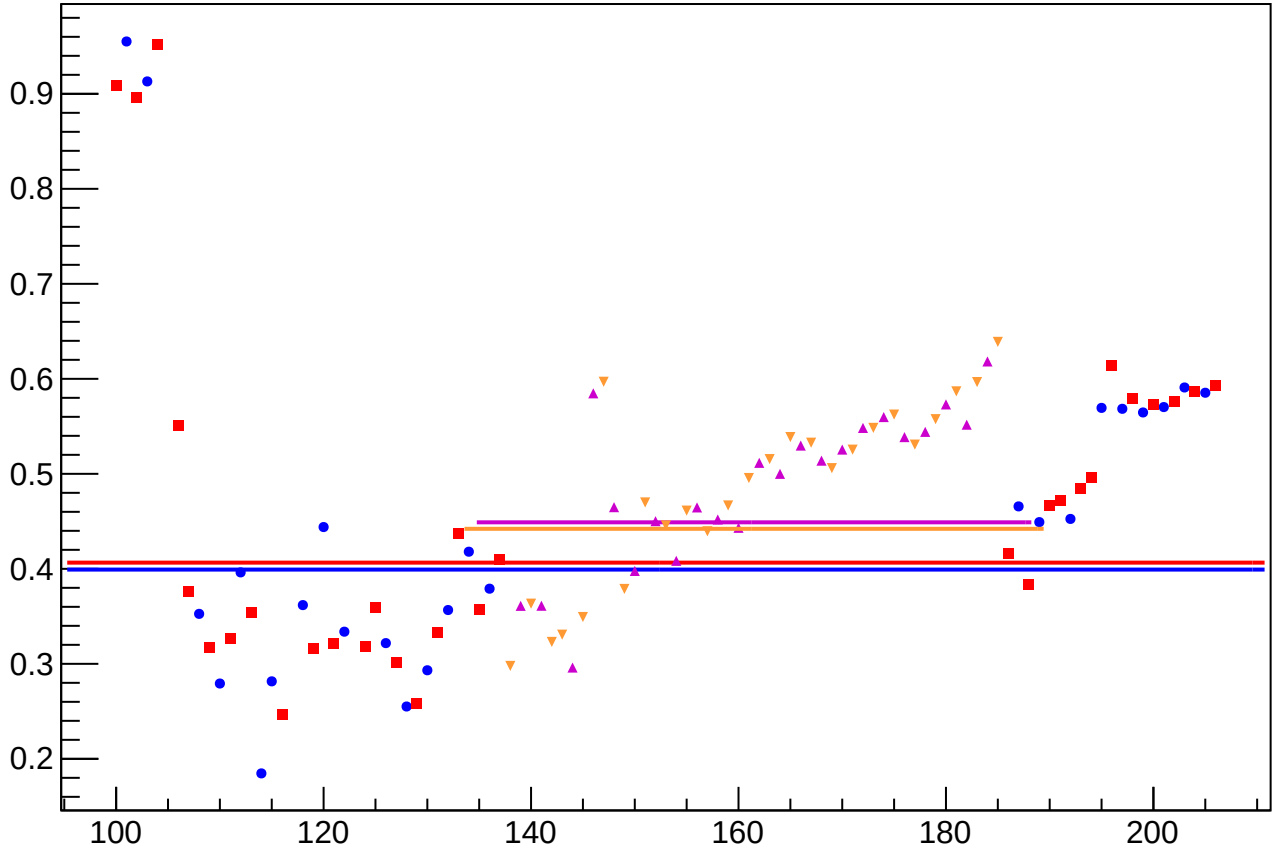
Right: 144.514+/-0.000 χ^2/NDF: 11482924308.8/55

In: 145.926+/-0.000 χ^2/NDF:4516641172.8/47

Out: 145.361+/-0.000 χ^2/NDF:8700923406.9/55

All: 145.629+/-0.000 χ^2/NDF: 13244219489.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.399+/-0.000 χ^2/NDF: 2716668.2/24

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.407+/-0.000 χ^2/NDF: 2783741.0/30

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

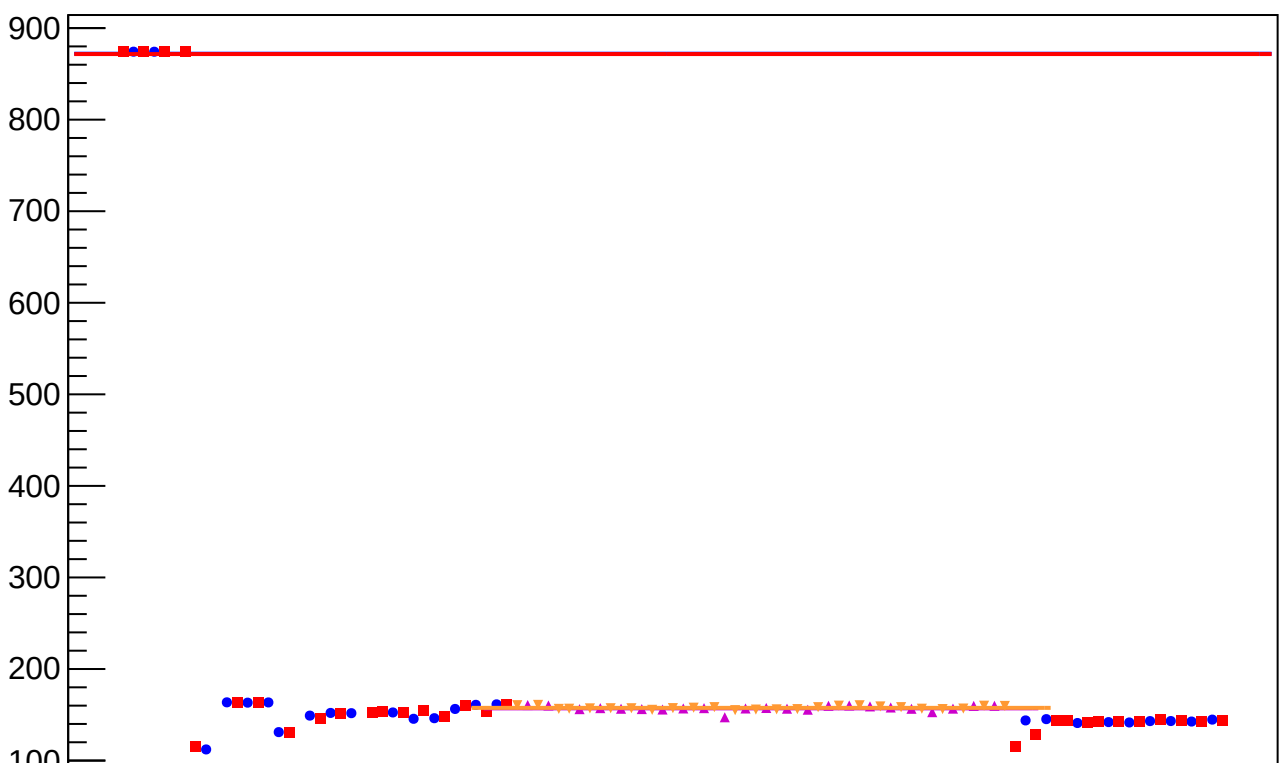
Right: 0.403+/-0.000 χ^2/NDF: 5504628.2/55

In: 0.426+/-0.000 χ^2/NDF:4212539.6/47

Out: 0.425+/-0.000 χ^2/NDF:4571715.3/55

All: 0.425+/-0.000 χ^2/NDF: 8784358.6/103

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.011+/-0.000 χ^2/NDF: 11408749592221.9/24

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.644+/-0.000 χ^2/NDF: 15385034286896.8/30

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

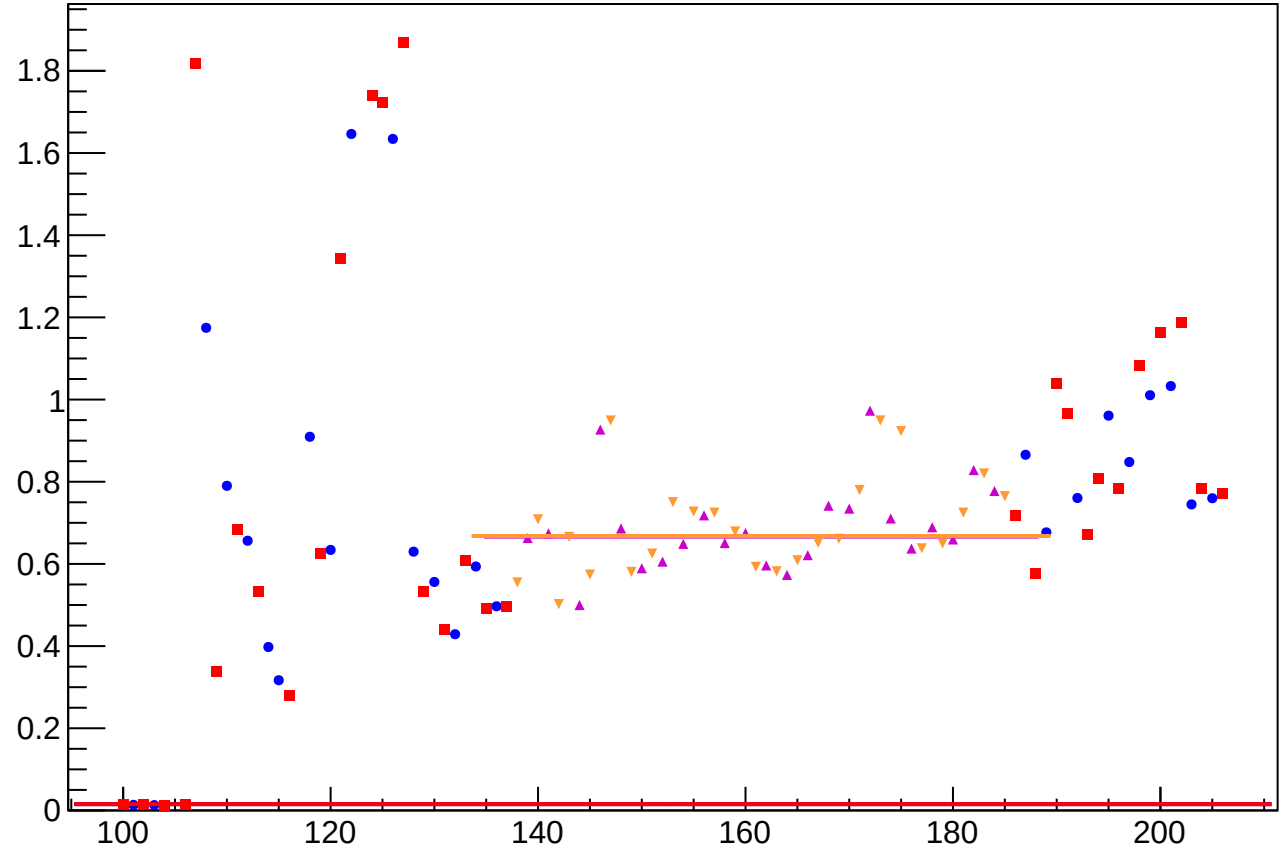
Right: 871.815+/-0.000 χ^2/NDF: 26794297079193.

In: 868.777+/-0.000 χ^2/NDF:27902113265858.7/

Out: 868.713+/-0.000 χ^2/NDF:32590252810760.3

All: 868.743+/-0.000 χ^2/NDF: 60492381544

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 20154198.2/24

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 23740678.1/30

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

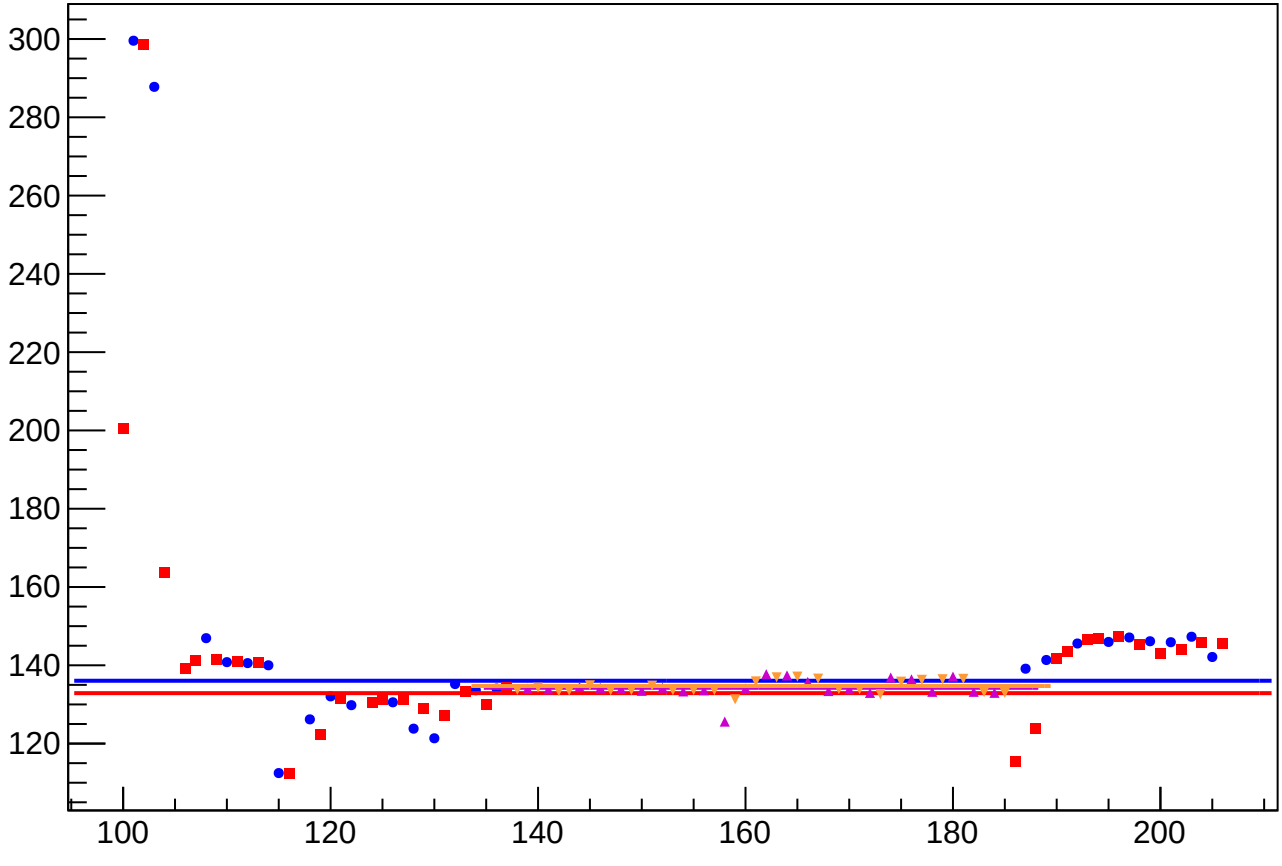
Right: 0.015+/-0.000 χ^2/NDF: 43894888.7/55

In: 0.018+/-0.000 χ^2/NDF:48051233.8/47

Out: 0.018+/-0.000 χ^2/NDF:53167511.9/55

All: 0.018+/-0.000 χ^2/NDF: 101219138.4/103

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 136.052+/-0.000 χ^2/NDF: 3303550493.5/24

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.885+/-0.000 χ^2/NDF: 4981191413.9/30

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

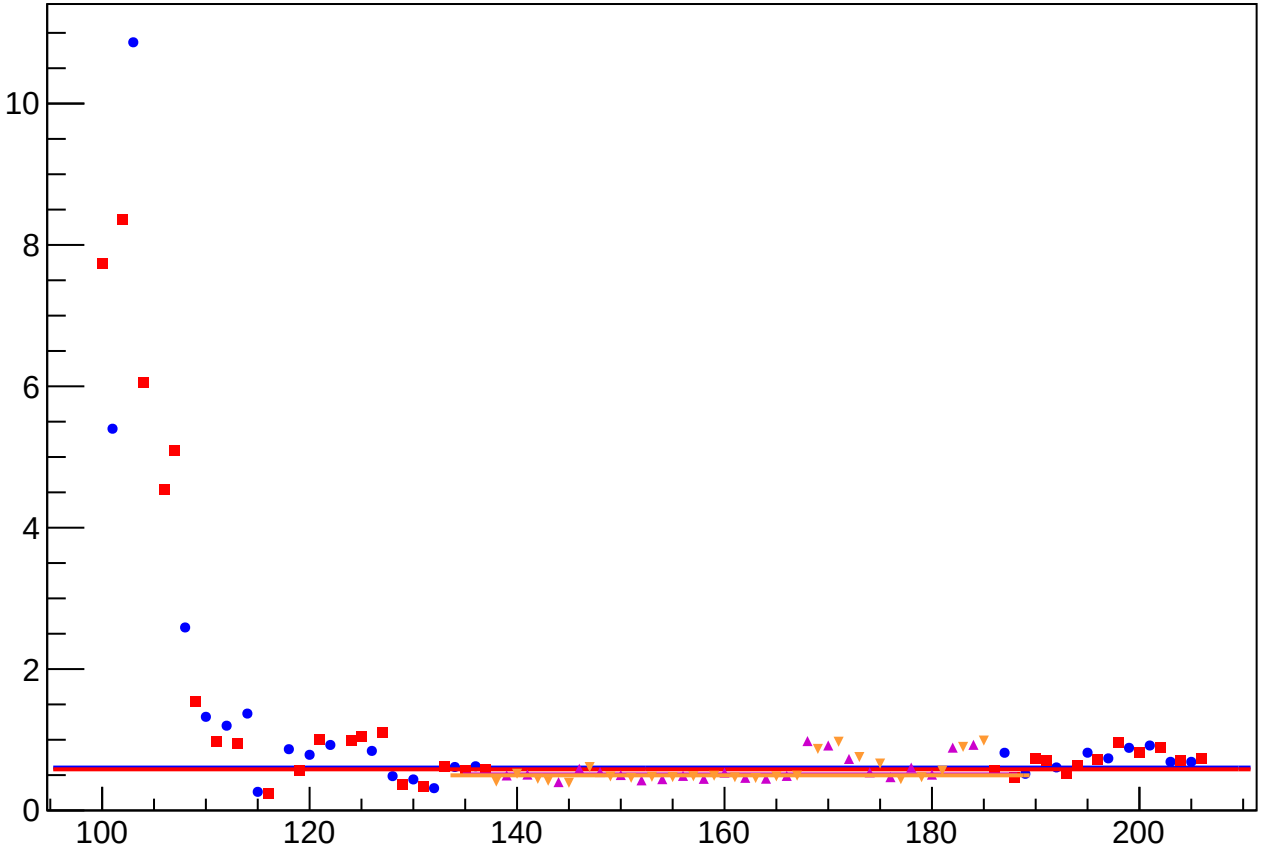
Right: 134.273+/-0.000 χ^2/NDF: 8422887242.9/55

In: 134.770+/-0.000 χ^2/NDF:3801715528.1/47

Out: 134.129+/-0.000 χ^2/NDF:5212595082.5/55

All: 134.426+/-0.000 χ^2/NDF: 9033016146.4

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.607+/-0.000 χ^2/NDF: 4856947.9/24

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.582+/-0.000 χ^2/NDF: 5947824.1/30

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

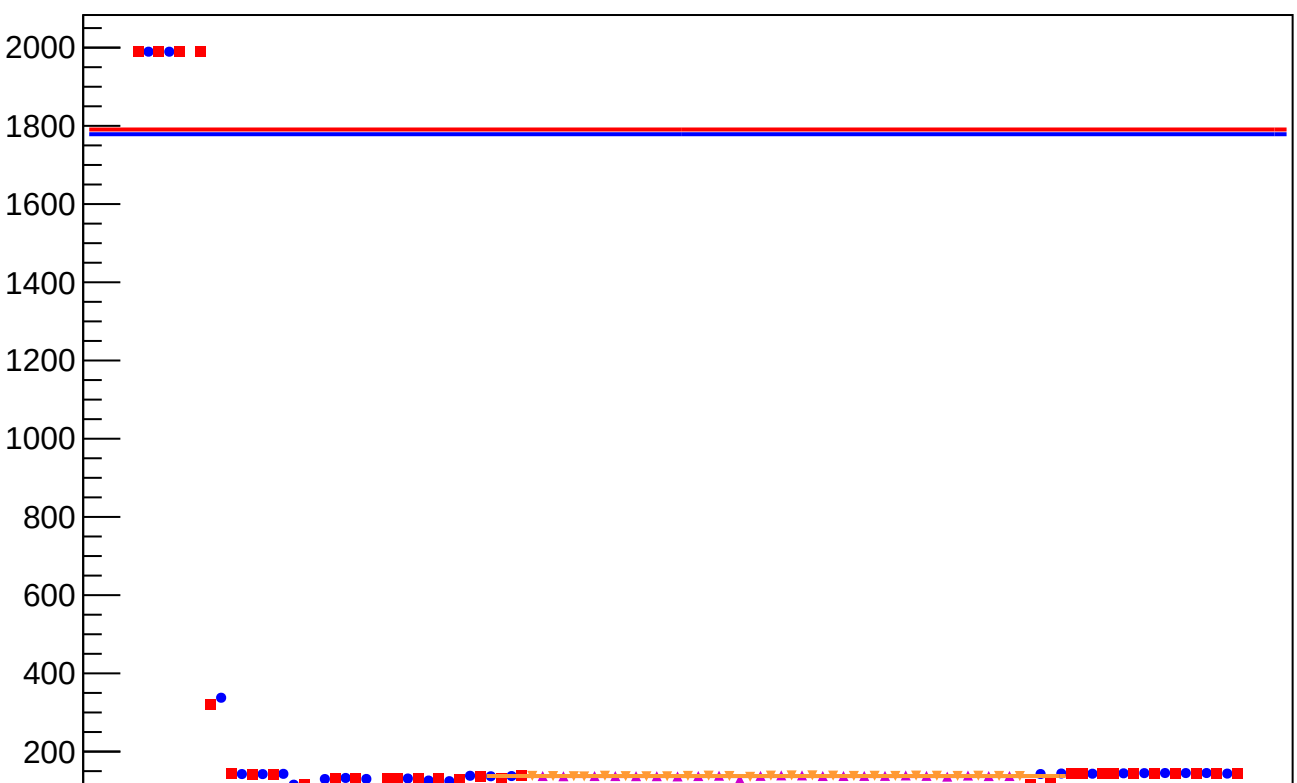
Right: 0.593+/-0.000 χ^2/NDF: 10821688.5/55

In: 0.538+/-0.000 χ^2/NDF:6670764.2/47

Out: 0.524+/-0.000 χ^2/NDF:7828585.8/55

All: 0.530+/-0.000 χ^2/NDF: 14516082.8/103

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1778.576+/-0.000 χ^2/NDF: 205100450576461.8/24

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1790.680+/-0.000 χ^2/NDF: 229314531910712.4/30

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

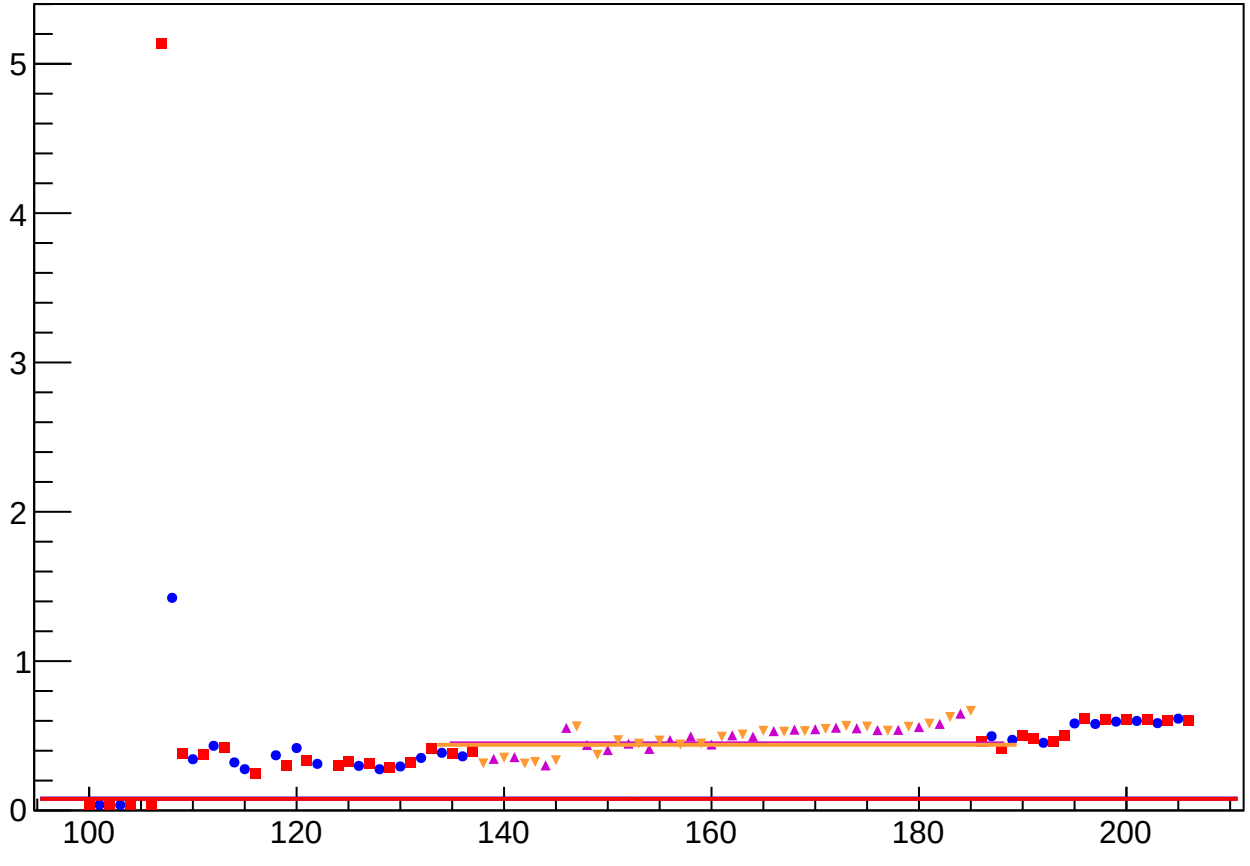
Right: 1785.119+/-0.000 χ^2/NDF: 43446184392584

In: 1572.669+/-0.000 χ^2/NDF:405054749096543.

Out: 1596.187+/-0.000 χ^2/NDF:453186055321140

All: 1585.331+/-0.000 χ^2/NDF: 8584422691

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 18080188.1/24

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.078+/-0.000 χ^2/NDF: 20993853.9/30

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

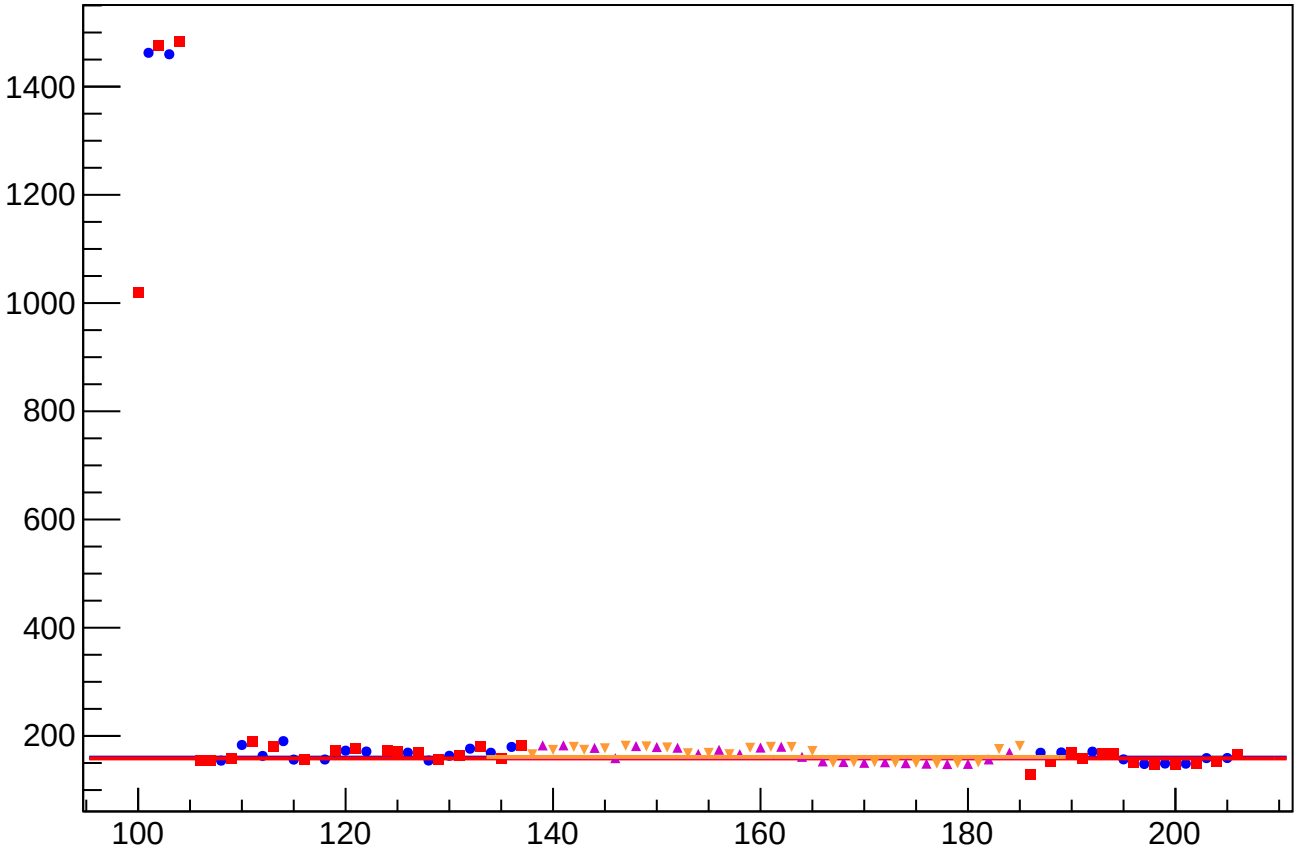
Right: 0.079+/-0.000 χ^2/NDF: 39075481.9/55

In: 0.126+/-0.000 χ^2/NDF:39738955.1/47

Out: 0.120+/-0.000 χ^2/NDF:44198100.2/55

All: 0.123+/-0.000 χ^2/NDF: 83957935.1/103

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.877+/-0.000 χ^2/NDF: 15735612404.6/24

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.476+/-0.000 χ^2/NDF: 18187760514.8/30

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

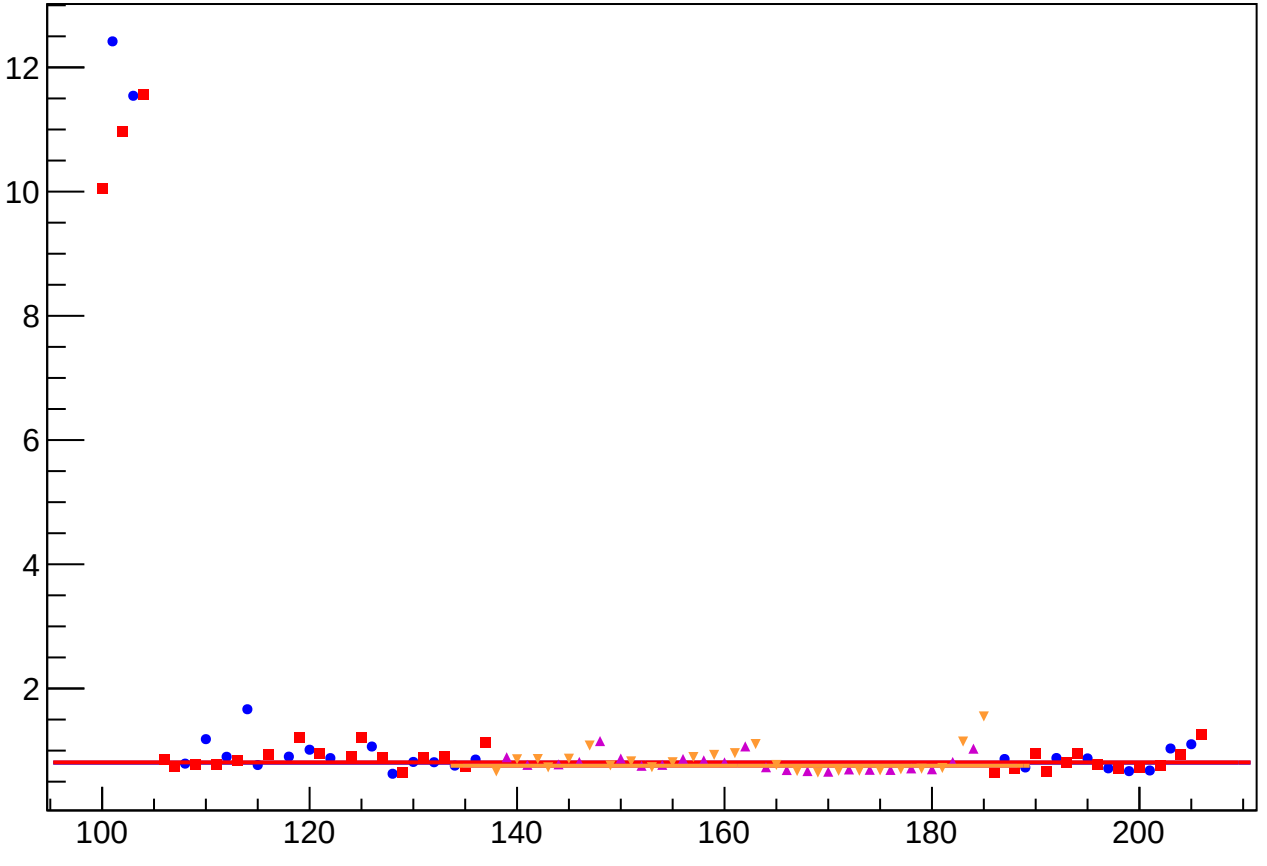
Right: 159.117+/-0.000 χ^2/NDF: 33938497370.1/55

In: 160.041+/-0.000 χ^2/NDF:19474605982.1/47

Out: 160.060+/-0.000 χ^2/NDF:21998051856.5/55

All: 160.051+/-0.000 χ^2/NDF: 41472664649.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.805+/-0.000 χ^2/NDF: 2637445.8/24

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.811+/-0.000 χ^2/NDF: 2616239.0/30

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

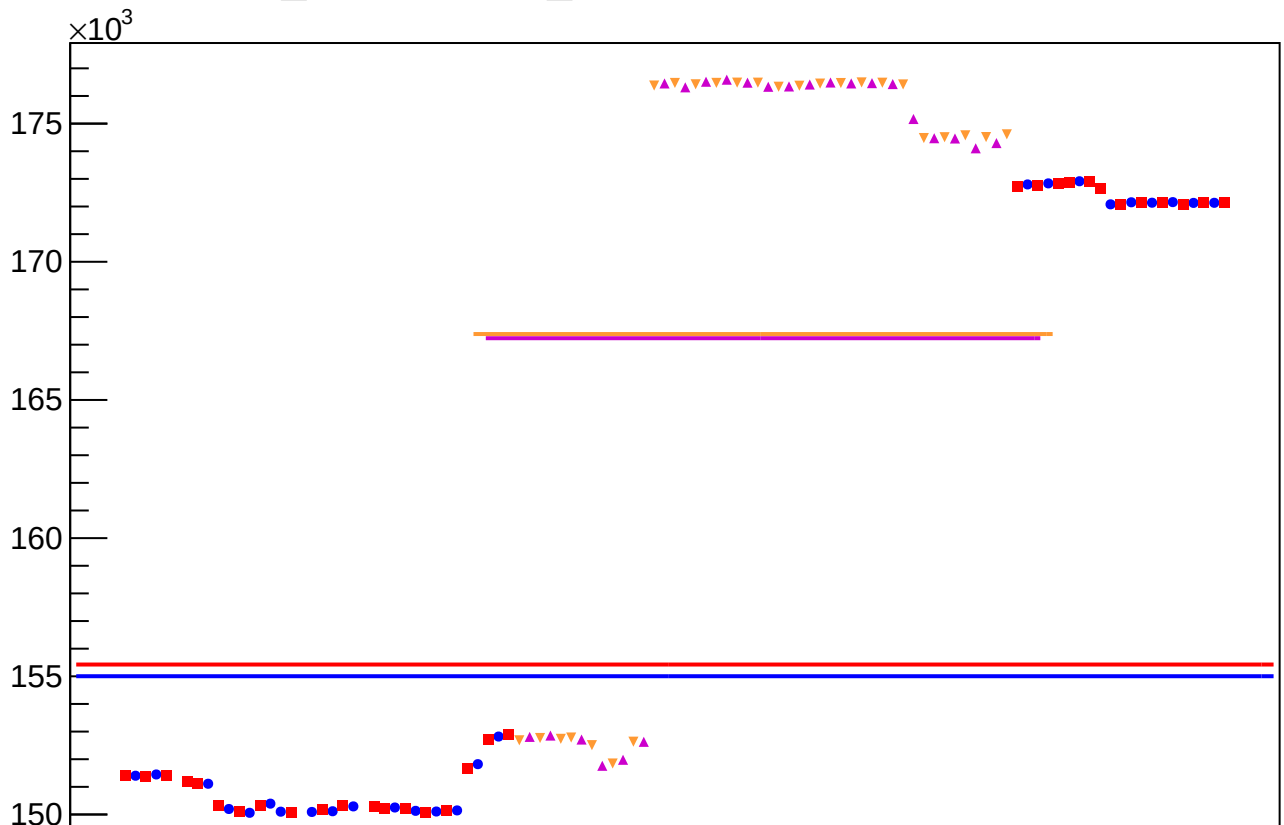
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.808+/-0.000 χ^2/NDF: 5254079.3/55

In: 0.774+/-0.000 χ^2/NDF:3154615.2/47

Out: 0.778+/-0.000 χ^2/NDF:3425197.9/55

All: 0.776+/-0.000 χ^2/NDF: 6580492.0/103



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

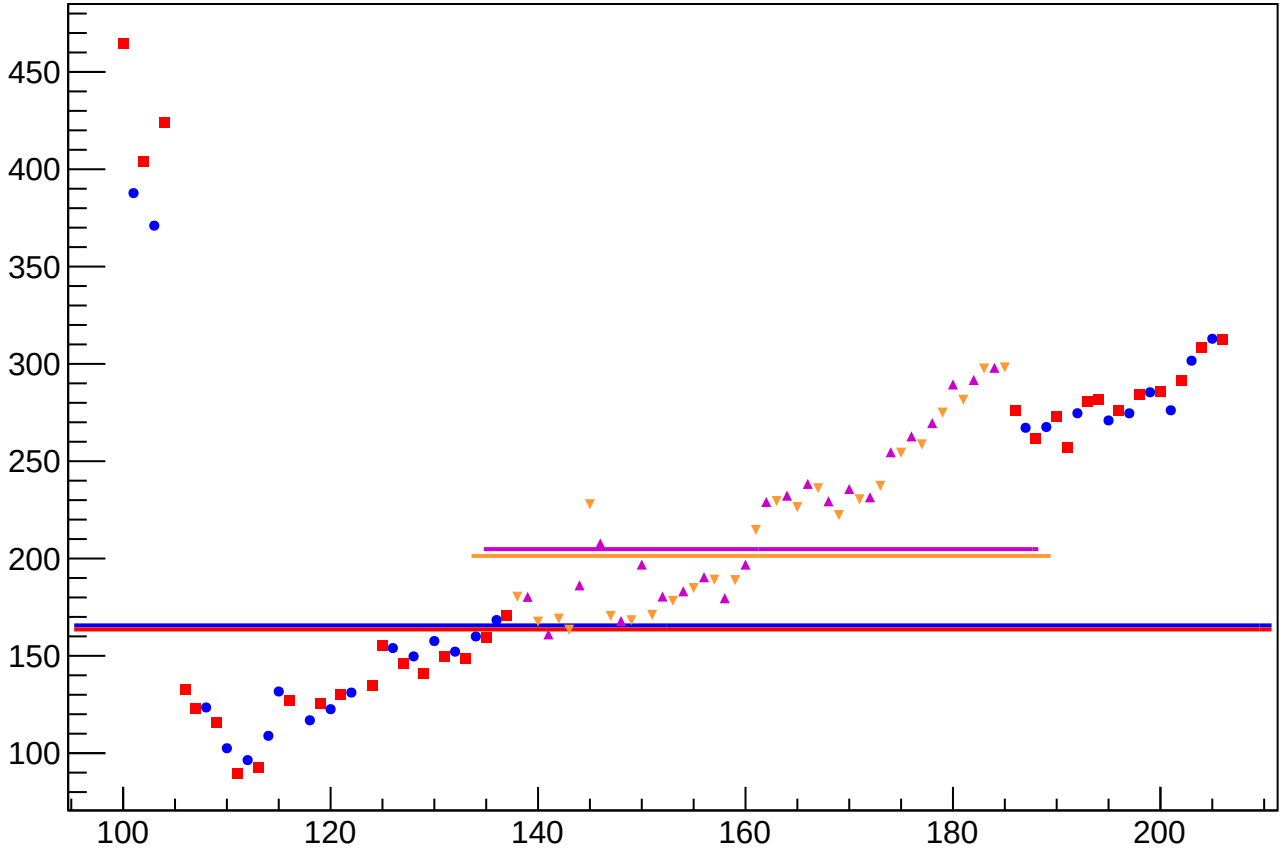
Right: 155231.826+/-0.033 χ^2/NDF: 73745292464.

In: 161101.080+/-0.035 χ^2/NDF:119112262111.7

Out: 161173.345+/-0.032 χ^2/NDF:134720797380.

All: 161139.490+/-0.024 χ^2/NDF: 25383539

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 164.515+/-0.023 χ^2/NDF: 10126474.3/55

In: 185.178+/-0.024 χ^2/NDF:6061264.0/47

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 183.333+/-0.017 χ^2/NDF: 13742490.9/10

Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

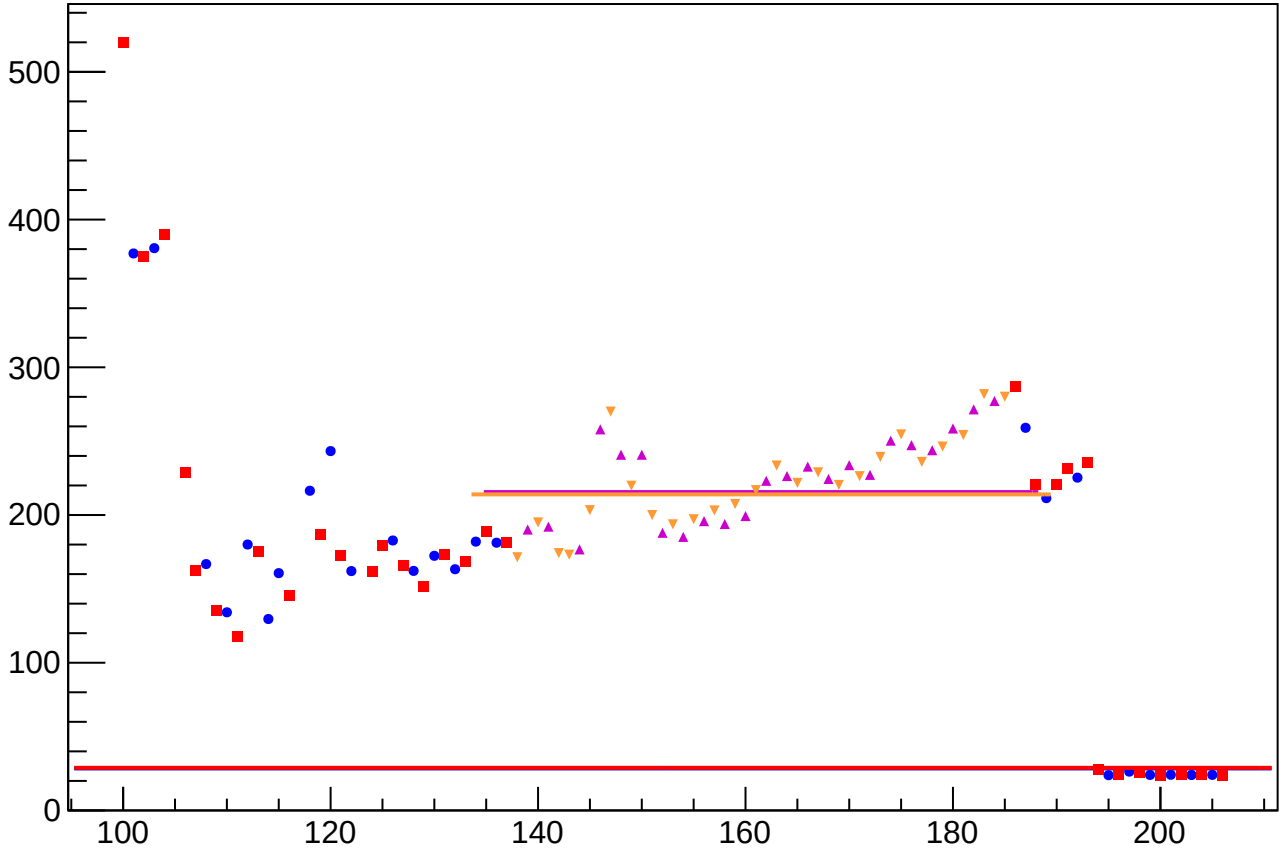
Right: -9282.295+/-0.007 χ^2/NDF: 1294012245862

In: -3233.291+/-0.010 χ^2/NDF:14584299365031.4

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -2965.960+/-0.007 χ^2/NDF: 3106281857

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

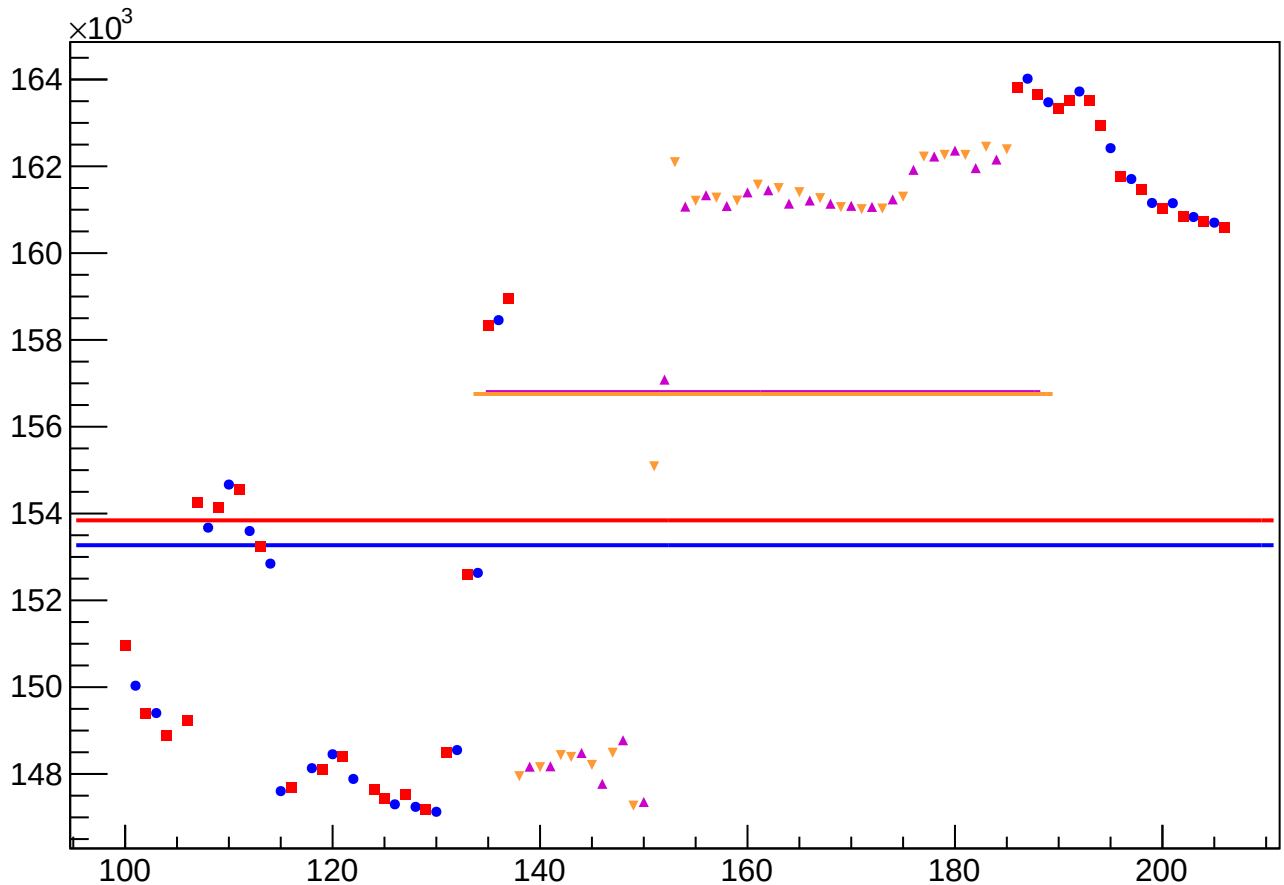
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.669+/-0.005 χ^2/NDF: 26957746.0/55

In: 36.199+/-0.007 χ^2/NDF:38779266.8/47

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 36.280+/-0.005 χ^2/NDF: 80754457.6/103



Right In: 153270.418+/-0.055 χ^2/NDF: 10583274759.5/24

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153842.887+/-0.052 χ^2/NDF: 12111729080.1/30

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

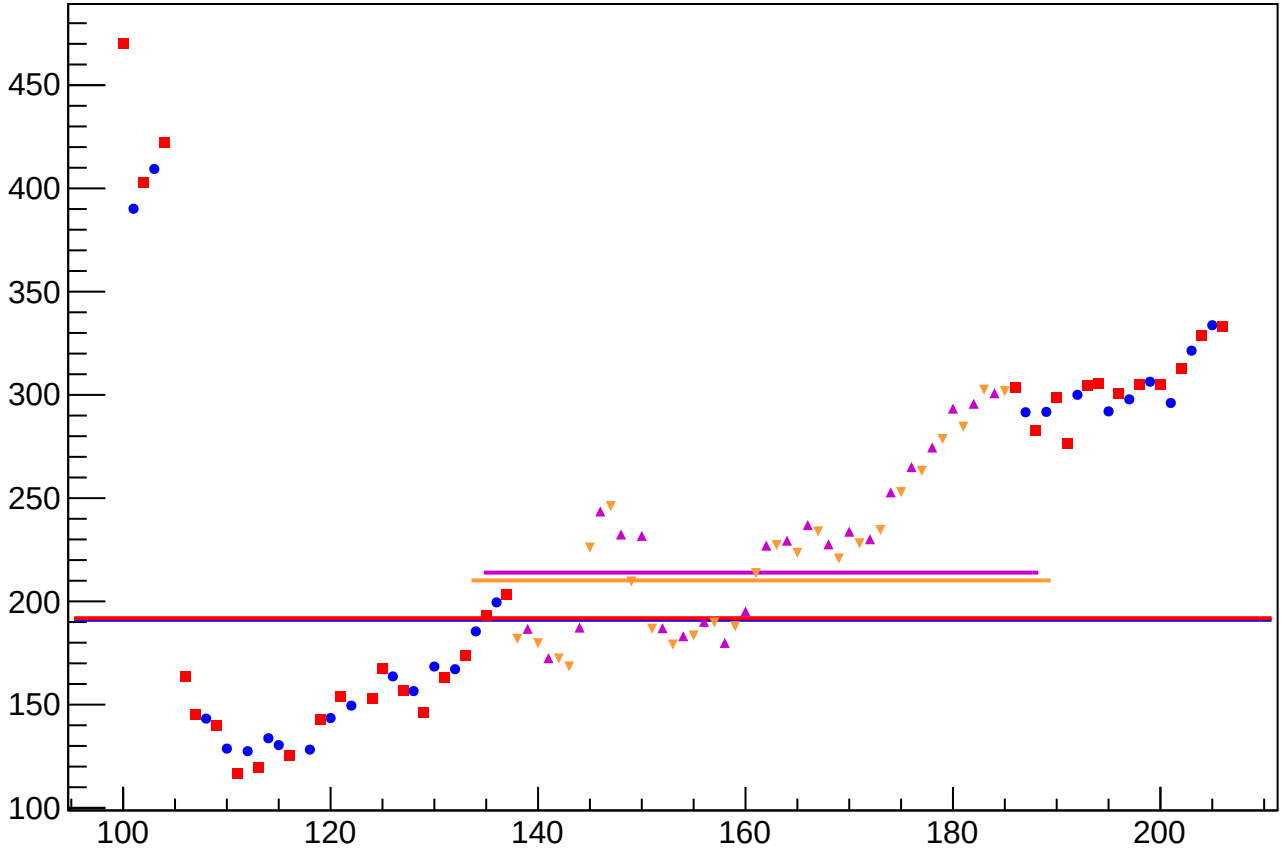
Right: 153575.314+/-0.038 χ^2/NDF: 22751992789.

In: 155179.687+/-0.037 χ^2/NDF:27126402248.8/

Out: 155391.332+/-0.035 χ^2/NDF:30169740288.1

All: 155291.342+/-0.026 χ^2/NDF: 57312961

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 191.096+/-0.039 χ^2/NDF: 3653957.9/24

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 191.850+/-0.037 χ^2/NDF: 4618790.1/30

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

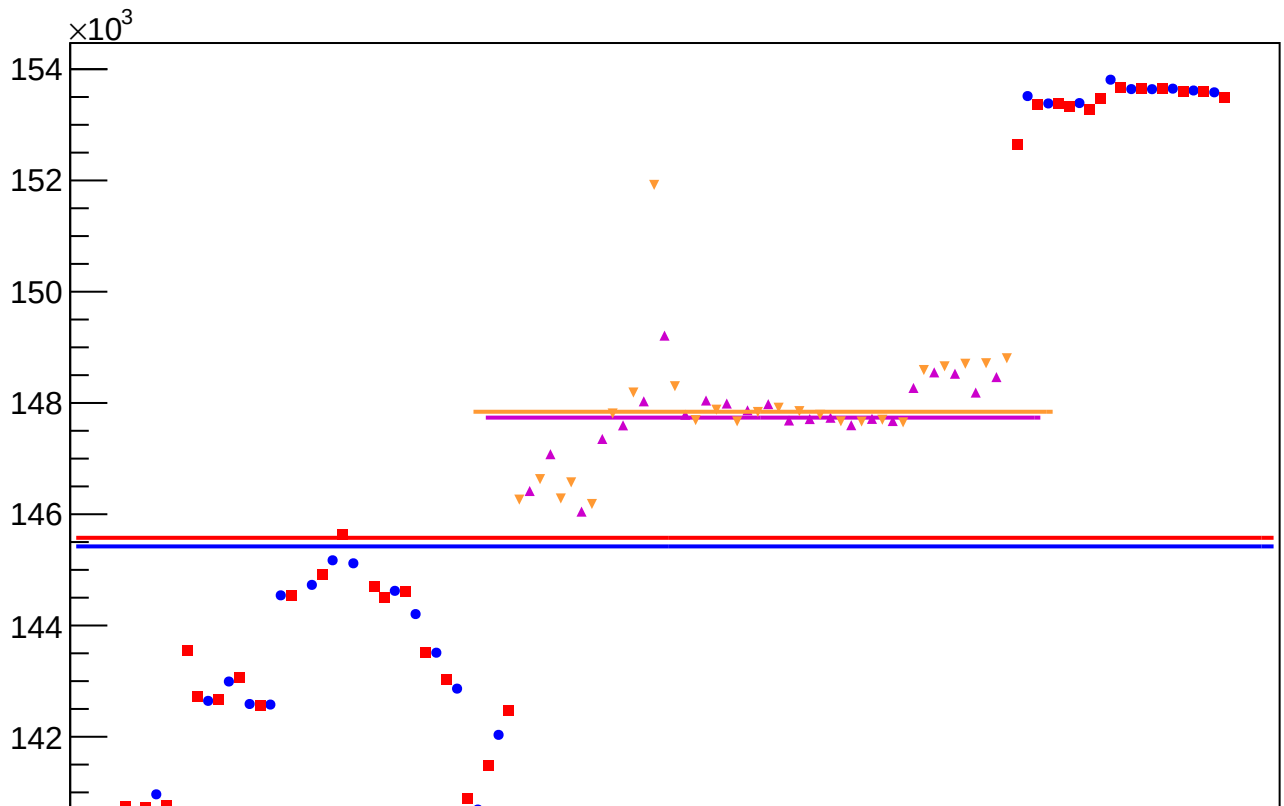
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 191.497+/-0.027 χ^2/NDF: 8272945.6/55

In: 203.463+/-0.027 χ^2/NDF:4752944.2/47

Out: 201.579+/-0.025 χ^2/NDF:5749016.2/55

All: 202.469+/-0.018 χ^2/NDF: 10504625.9/10



Right In: 145421.689+/-0.047 χ^2/NDF: 8212675347.0/24

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145576.354+/-0.044 χ^2/NDF: 10061083179.4/30

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

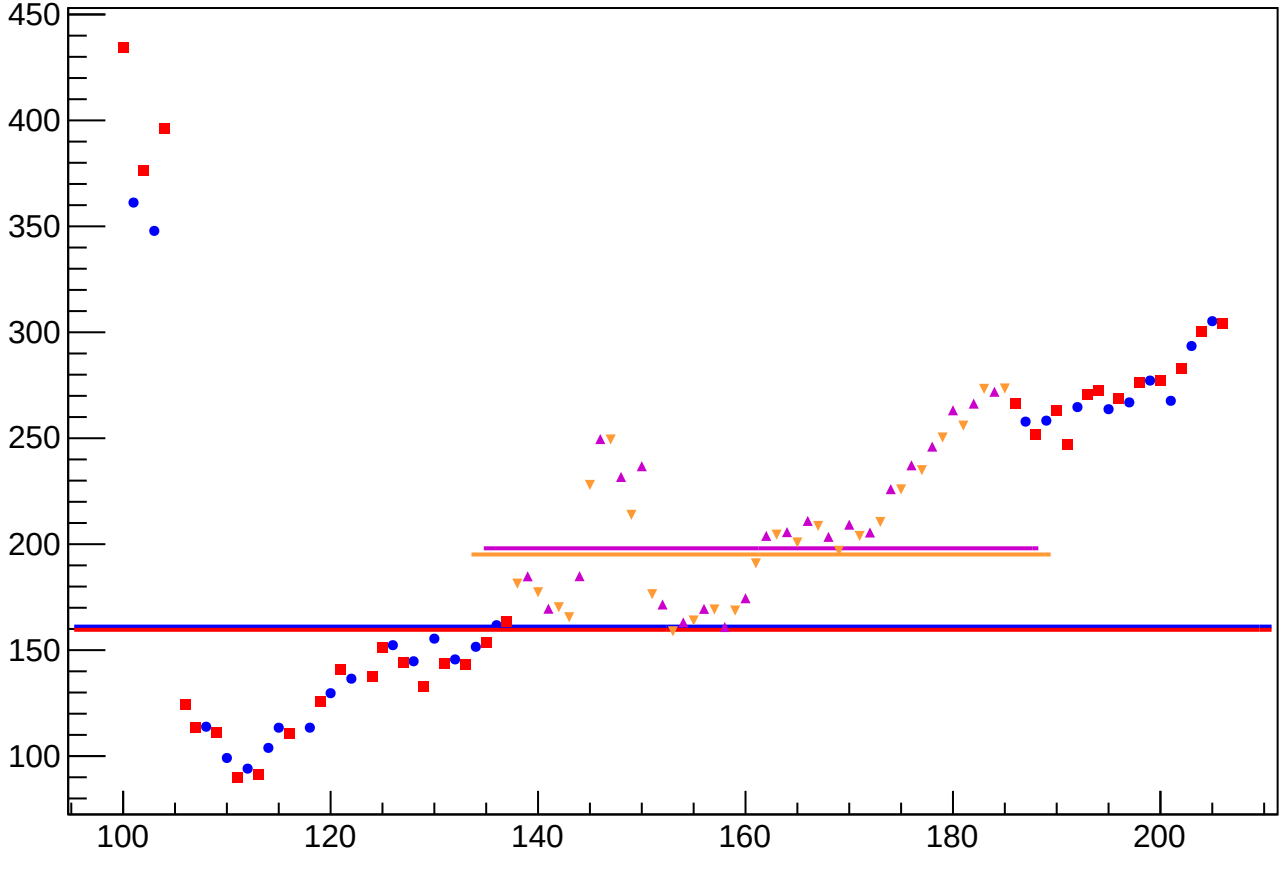
Right: 145505.147+/-0.032 χ^2/NDF: 18279508884.9

In: 146583.987+/-0.033 χ^2/NDF:9638450751.1/47

Out: 146674.407+/-0.031 χ^2/NDF:12073207179.0/

All: 146632.004+/-0.023 χ^2/NDF: 21715542

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 161.101+/-0.034 χ^2/NDF: 4309996.0/24

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 159.598+/-0.031 χ^2/NDF: 5621818.0/30

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

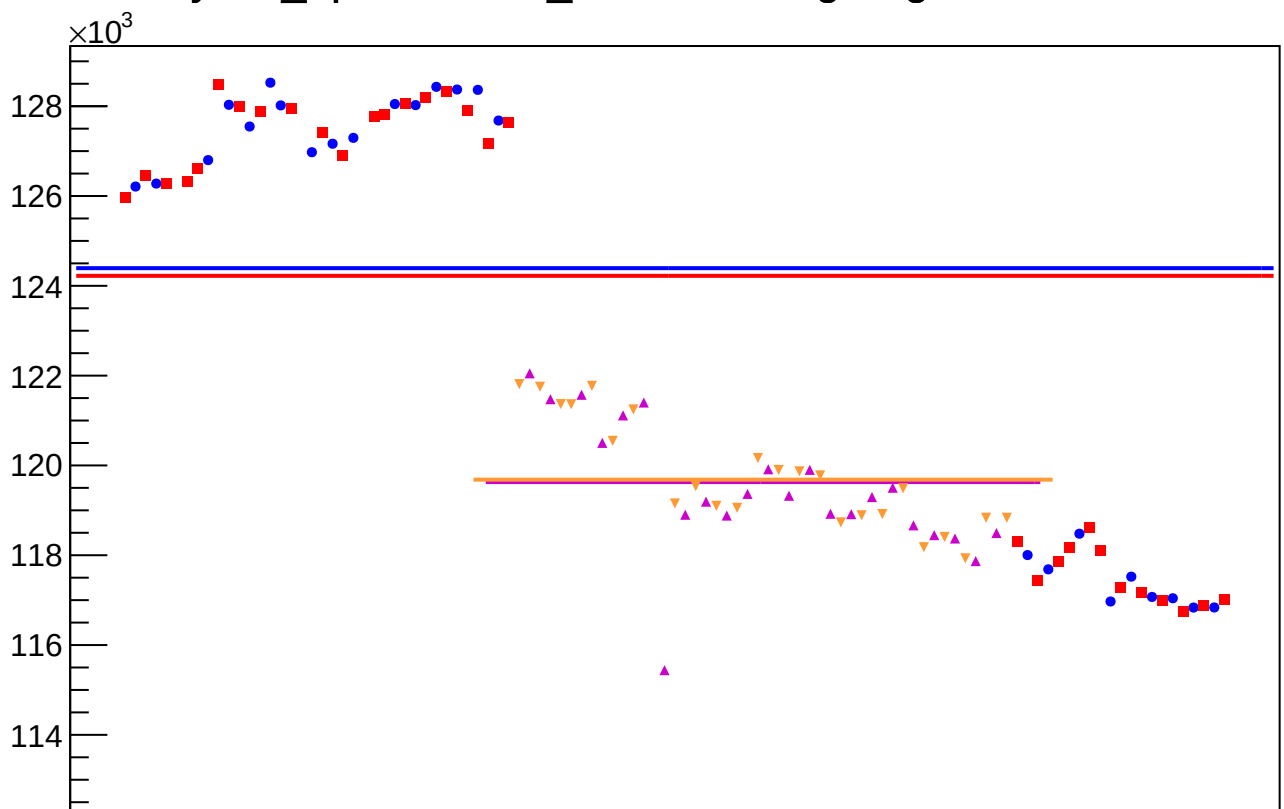
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 160.290+/-0.023 χ^2/NDF: 9932901.1/55

In: 179.655+/-0.024 χ^2/NDF:5821274.3/47

Out: 176.825+/-0.022 χ^2/NDF:7165312.3/55

All: 178.152+/-0.016 χ^2/NDF: 12994199.5/10



Right In: 124393.190+/-0.048 χ^2/NDF: 10204008589.5/24

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124222.605+/-0.045 χ^2/NDF: 12167635372.5/30

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

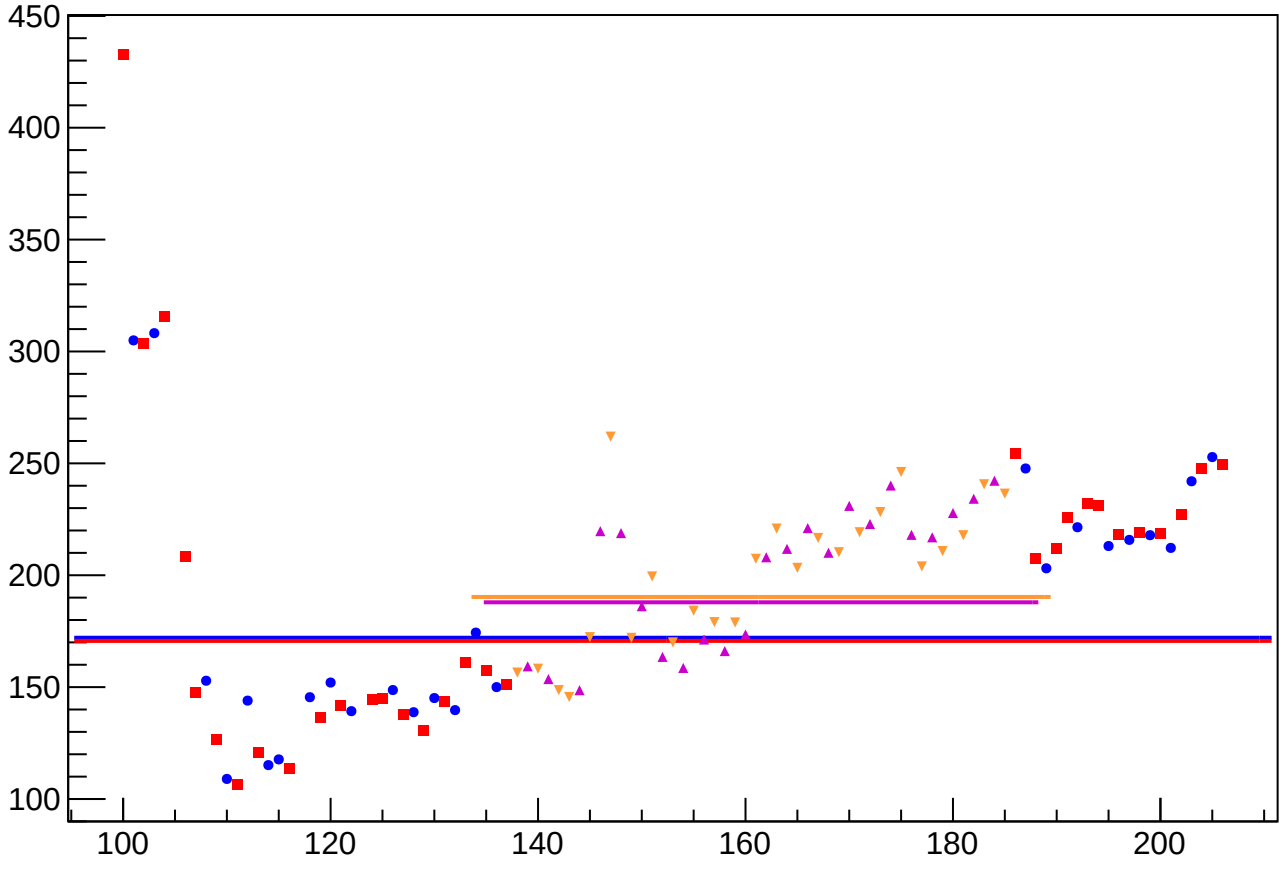
Right: 124301.288+/-0.033 χ^2/NDF: 22378396096.3

In: 121848.047+/-0.033 χ^2/NDF:16743055187.7/4

Out: 121936.680+/-0.031 χ^2/NDF:19373415593.2/

All: 121894.389+/-0.023 χ^2/NDF: 36120269

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 172.070+/-0.034 χ^2/NDF: 1897605.1/24

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 170.666+/-0.032 χ^2/NDF: 2715798.2/30

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

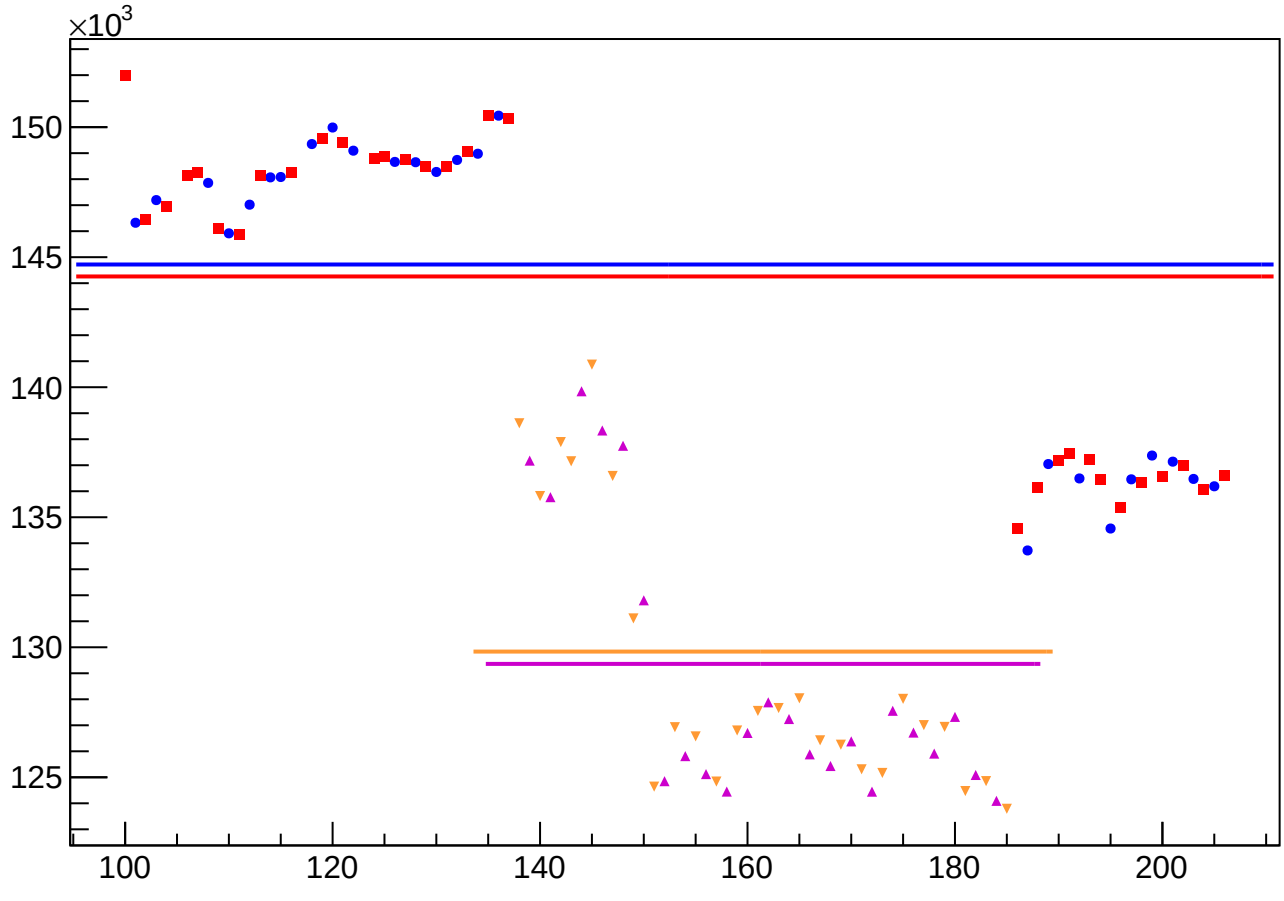
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 171.313+/-0.023 χ^2/NDF: 4614317.6/55

In: 180.532+/-0.023 χ^2/NDF:2939109.1/47

Out: 180.553+/-0.022 χ^2/NDF:3835621.8/55

All: 180.543+/-0.016 χ^2/NDF: 6774731.3/103



Right In: 144718.955+/-0.068 χ^2/NDF: 7169295064.7/24

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144258.957+/-0.062 χ^2/NDF: 8494777029.7/30

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

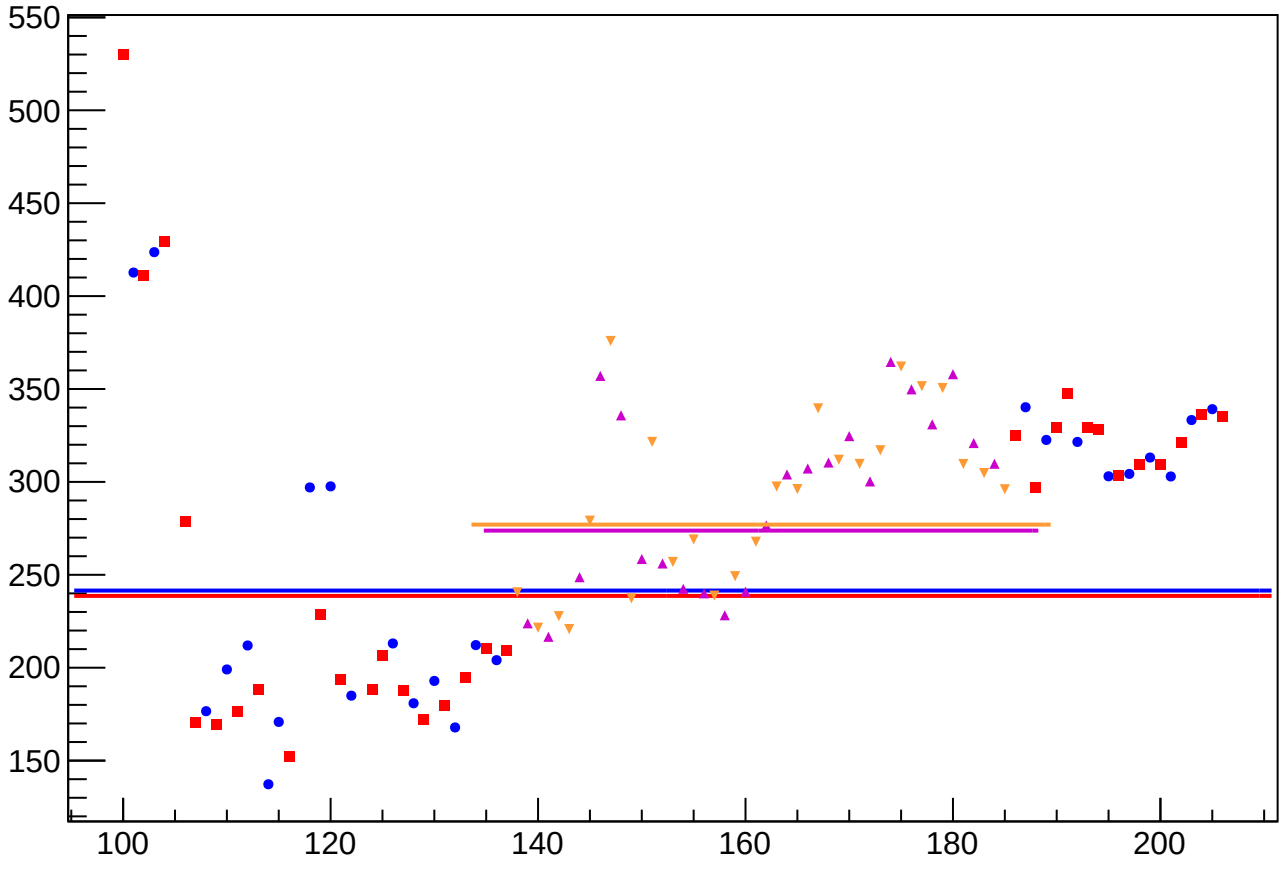
Right: 144469.303+/-0.046 χ^2/NDF: 15688971398.

In: 136744.842+/-0.047 χ^2/NDF:40349257082.2/4

Out: 137258.796+/-0.045 χ^2/NDF:41272428099.7

All: 137015.064+/-0.032 χ^2/NDF: 81684314

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 241.522+/-0.048 χ^2/NDF: 2121714.2/24

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 238.650+/-0.044 χ^2/NDF: 2640780.9/30

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

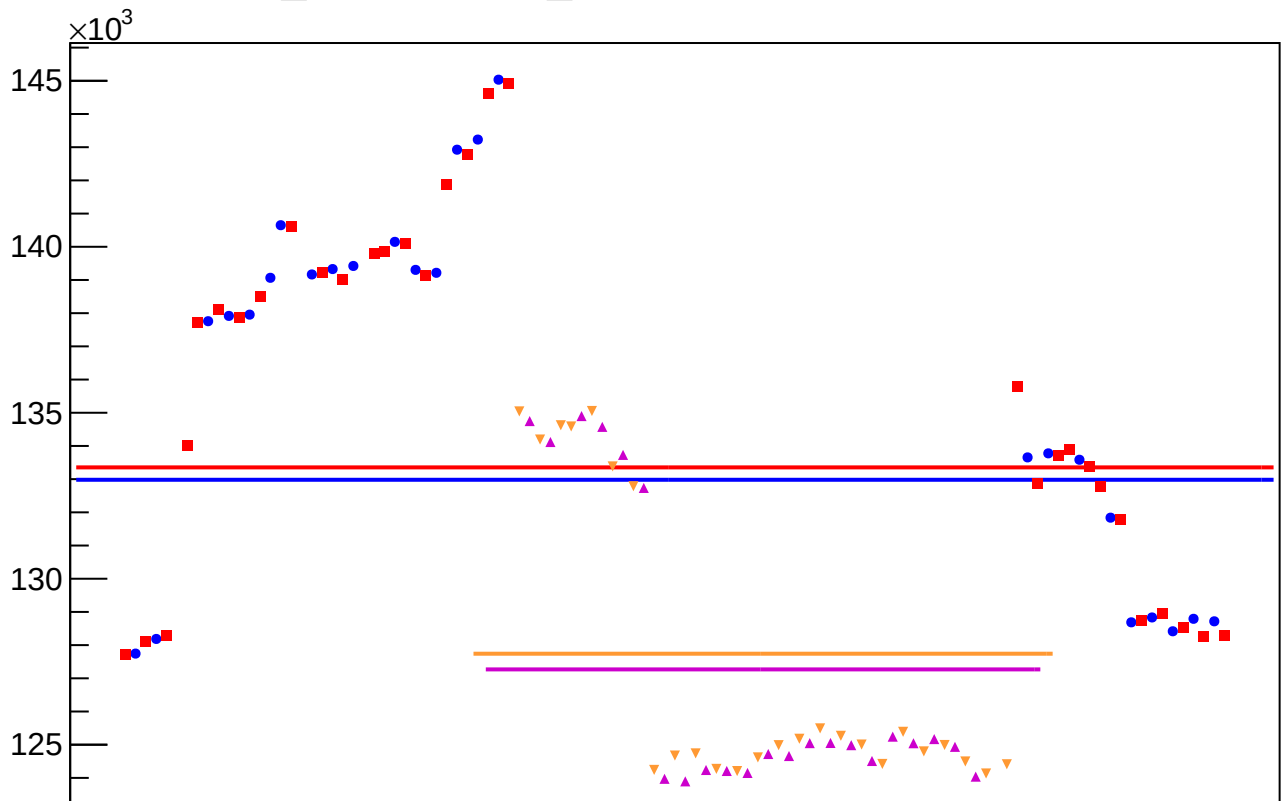
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 239.964+/-0.032 χ^2/NDF: 4764436.6/55

In: 258.273+/-0.033 χ^2/NDF:3359965.7/47

Out: 257.271+/-0.032 χ^2/NDF:3955119.0/55

All: 257.746+/-0.023 χ^2/NDF: 7315560.3/103



Right In: 132981.052+/-0.111 χ^2/NDF: 2519151182.0/24

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133354.290+/-0.112 χ^2/NDF: 1723758911.2/30

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

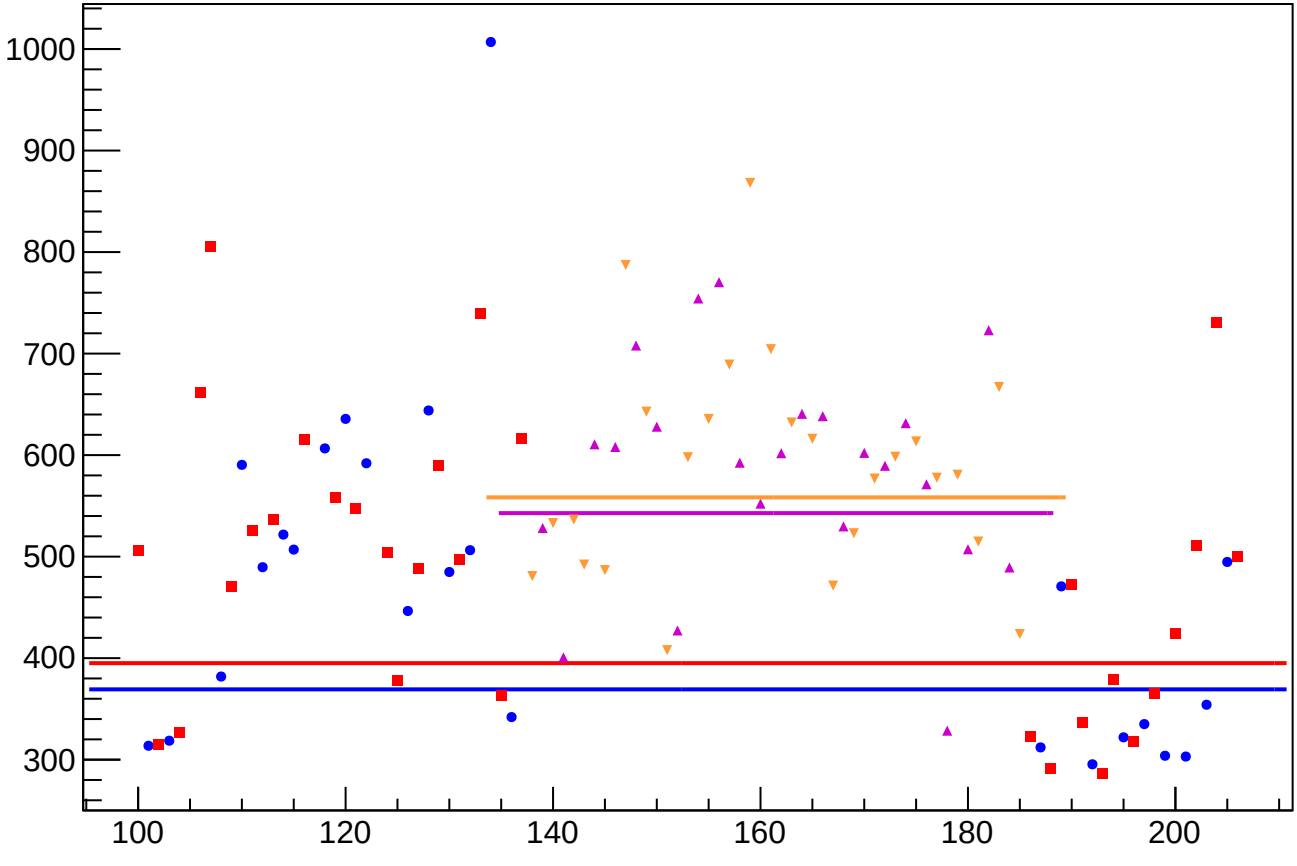
Right: 133165.860+/-0.079 χ^2/NDF: 4248478285.9/

In: 130741.492+/-0.087 χ^2/NDF:4523315084.1/47

Out: 131068.117+/-0.087 χ^2/NDF:3832282850.7/5

All: 130905.293+/-0.061 χ^2/NDF: 836270193

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 369.256+/-0.079 χ^2/NDF: 1573550.1/24

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 395.093+/-0.079 χ^2/NDF: 1957282.9/30

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

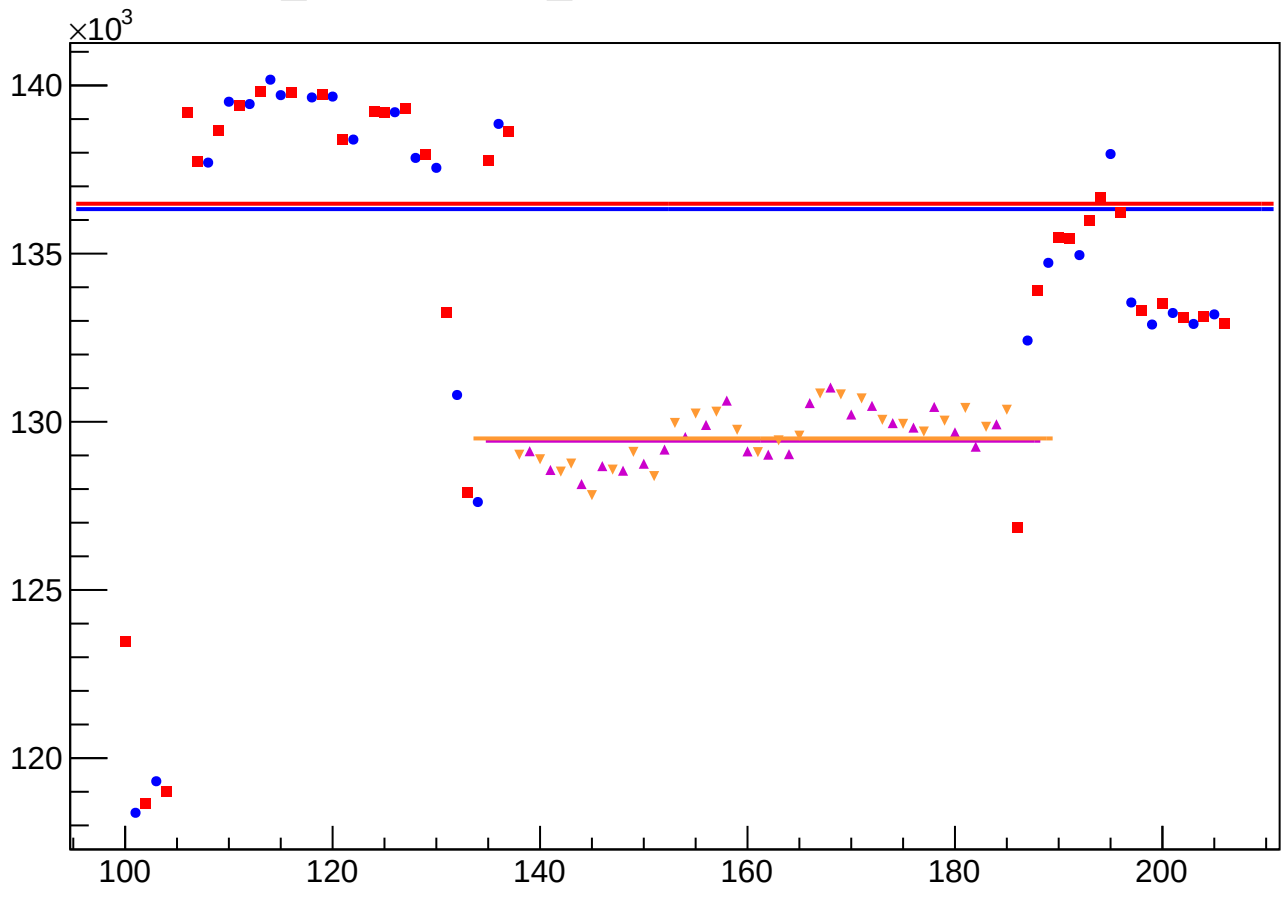
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 382.049+/-0.056 χ^2/NDF: 3584198.2/55

In: 437.321+/-0.061 χ^2/NDF:4898141.6/47

Out: 461.595+/-0.061 χ^2/NDF:4644971.4/55

All: 449.494+/-0.043 χ^2/NDF: 9621585.7/103



Right In: 136323.425+/-0.061 χ^2/NDF: 6331948969.1/24

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136483.138+/-0.056 χ^2/NDF: 6742370689.4/30

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

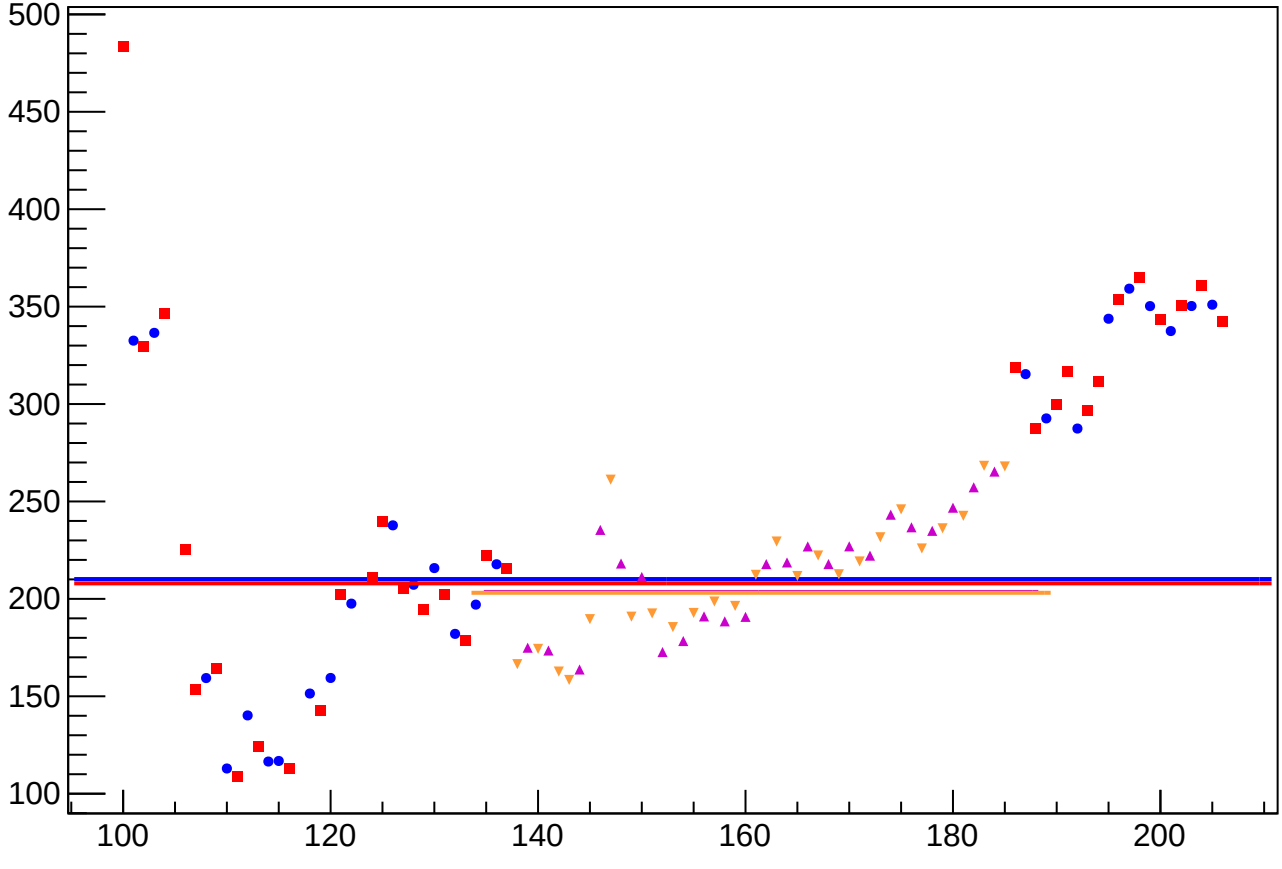
Right: 136409.667+/-0.041 χ^2/NDF: 13078004855.0

In: 132092.606+/-0.038 χ^2/NDF:14395447760.1/4

Out: 132362.972+/-0.036 χ^2/NDF:16071347878.1

All: 132234.537+/-0.026 χ^2/NDF: 30493422

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 210.173+/-0.043 χ^2/NDF: 3611463.1/24

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 207.952+/-0.040 χ^2/NDF: 4721959.0/30

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

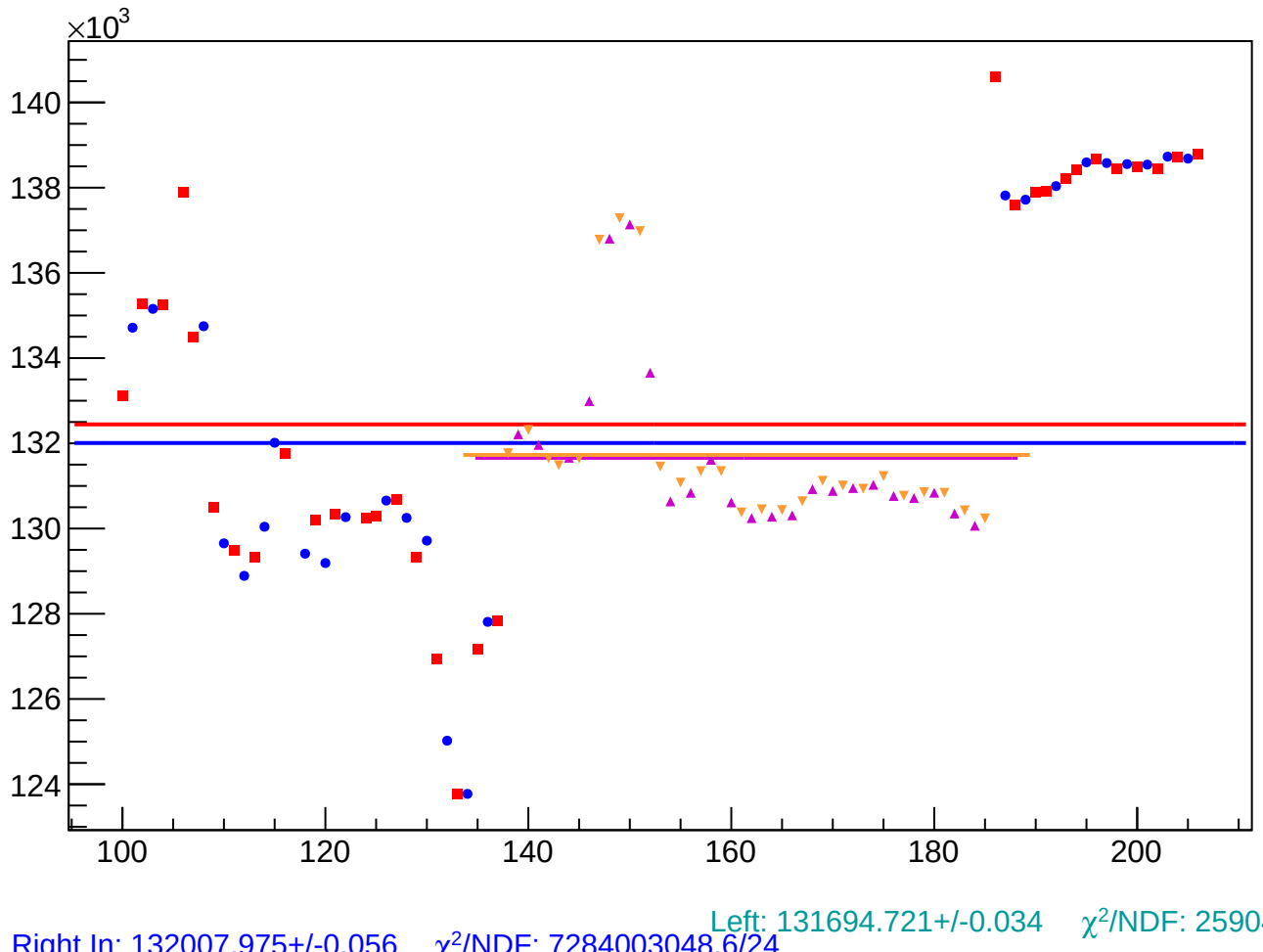
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 208.974+/-0.029 χ^2/NDF: 8334847.9/55

In: 206.102+/-0.027 χ^2/NDF:4291944.7/47

Out: 205.104+/-0.026 χ^2/NDF:5489033.4/55

All: 205.578+/-0.019 χ^2/NDF: 9781702.8/103



Right In: 132007.975+/-0.056 χ^2/NDF: 7284003048.6/24

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132444.079+/-0.051 χ^2/NDF: 8130889451.2/30

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

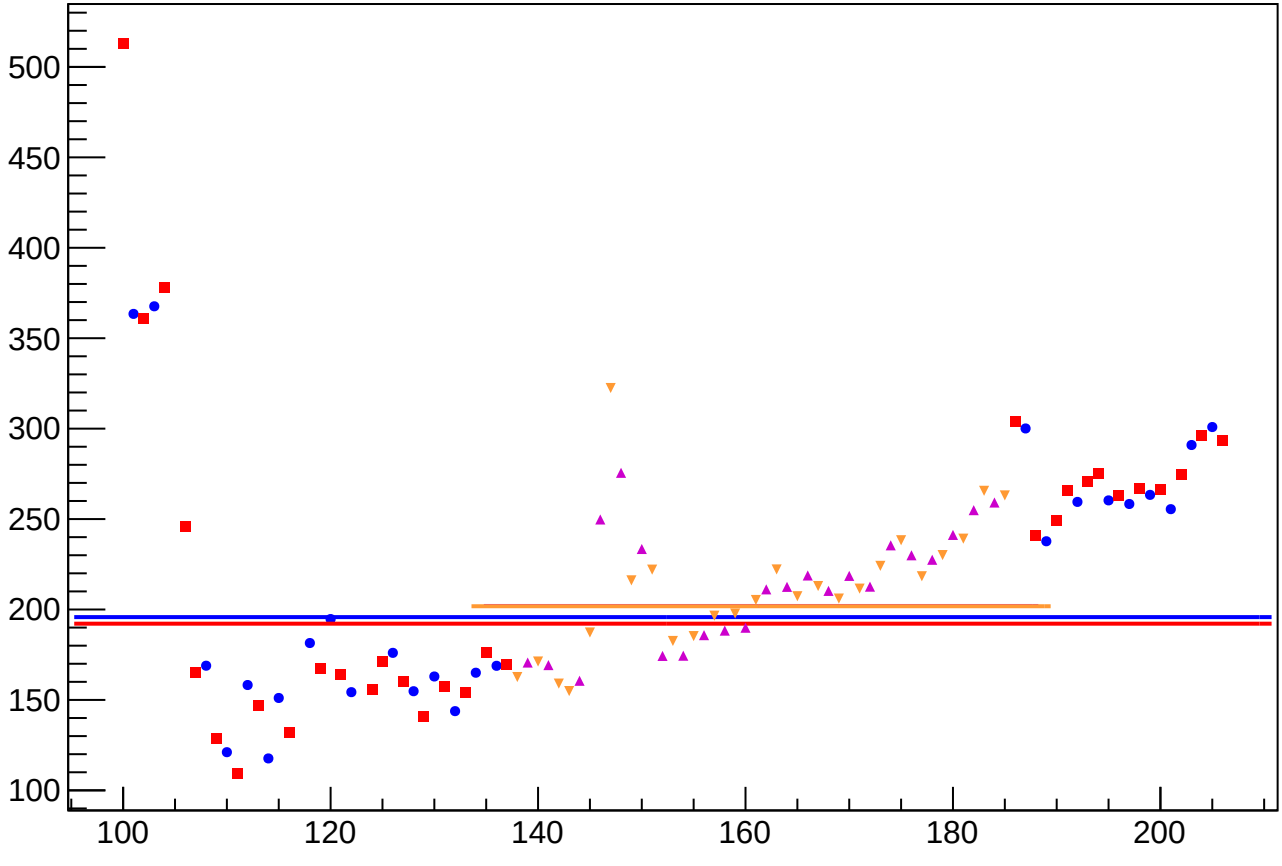
Right: 132244.645+/-0.038 χ^2/NDF: 15448378015.

In: 131809.751+/-0.036 χ^2/NDF:8470730107.2/47

Out: 132055.442+/-0.034 χ^2/NDF:9663217309.3/5

All: 131939.171+/-0.025 χ^2/NDF: 18157963

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 195.793+/-0.039 χ^2/NDF: 2337993.7/24

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 192.157+/-0.036 χ^2/NDF: 3401370.9/30

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 193.820+/-0.027 χ^2/NDF: 5744018.2/55

In: 199.303+/-0.026 χ^2/NDF:3154712.7/47

Out: 197.383+/-0.024 χ^2/NDF:4345513.7/55

All: 198.292+/-0.018 χ^2/NDF: 7503161.0/103

Right In: 3864.530+/-0.006 χ^2/NDF: 4977649739512.9/24

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4035.367+/-0.006 χ^2/NDF: 5891974370032.4/30

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

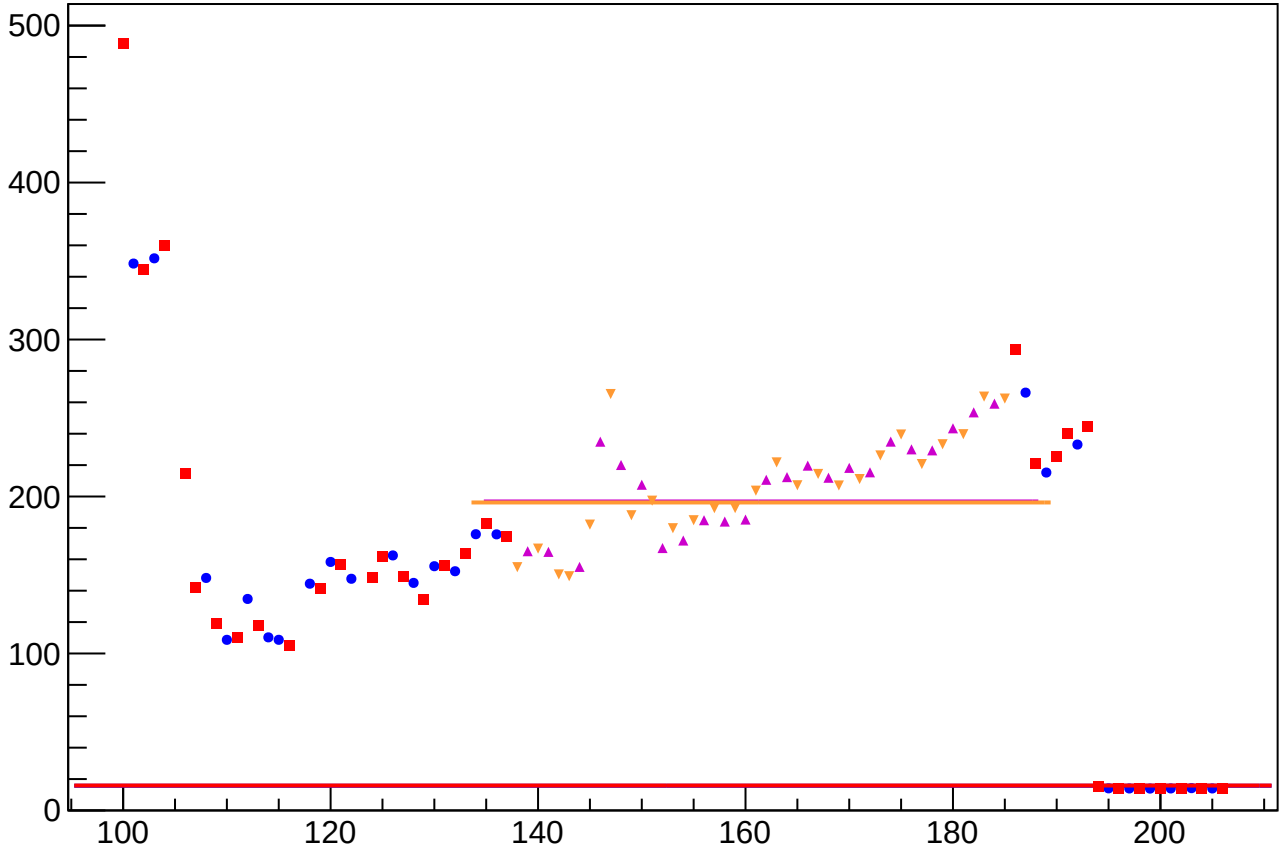
Right: 3953.641+/-0.004 χ^2/NDF: 1087002764662

In: 5971.139+/-0.006 χ^2/NDF:11953969599962.5

Out: 6091.081+/-0.006 χ^2/NDF:13320422754447.

All: 6033.690+/-0.004 χ^2/NDF: 2527459463

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.726+/-0.004 χ^2/NDF: 14385850.5/24

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.879+/-0.004 χ^2/NDF: 16485613.3/30

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

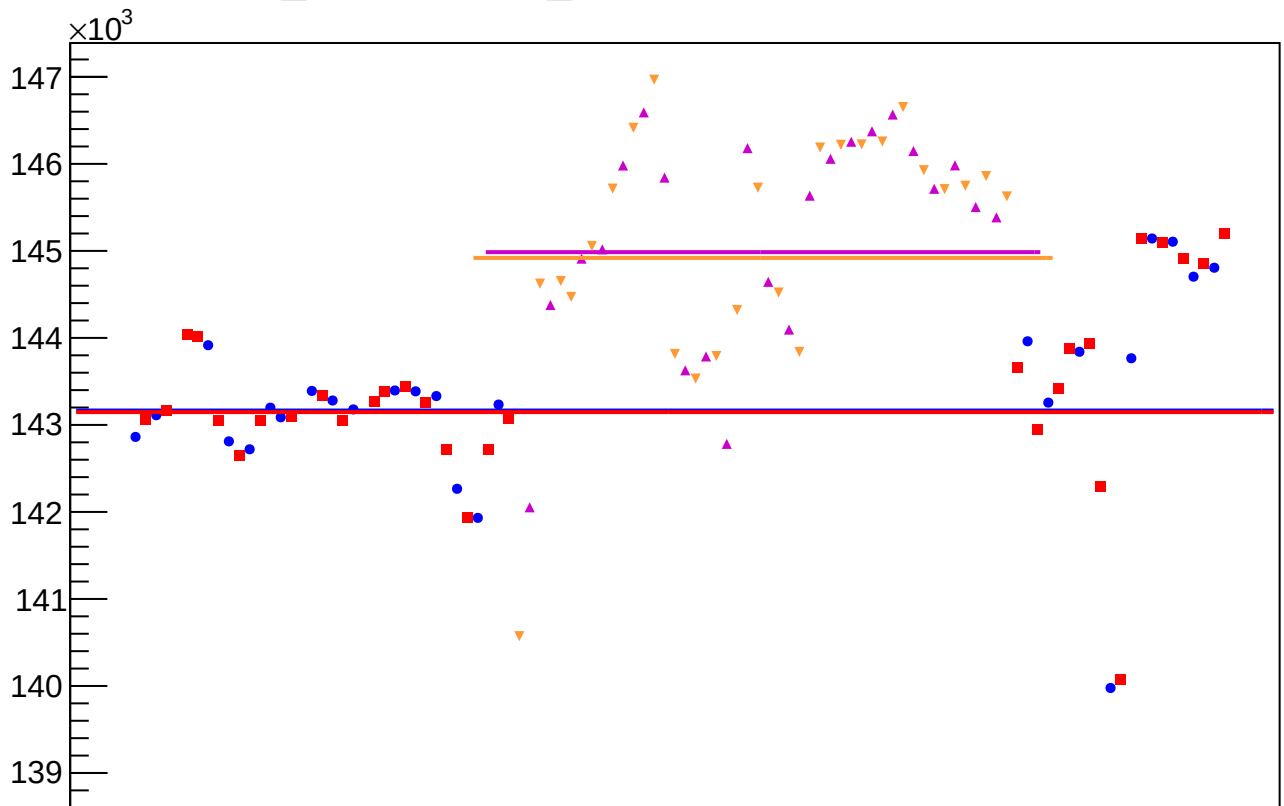
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.806+/-0.003 χ^2/NDF: 30872113.2/55

In: 18.780+/-0.004 χ^2/NDF:44485507.1/47

Out: 18.844+/-0.004 χ^2/NDF:48317029.5/55

All: 18.813+/-0.003 χ^2/NDF: 92802652.4/103



Right In: 143165.440+/-0.059 χ^2/NDF: 213272015.4/24

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143147.487+/-0.054 χ^2/NDF: 226856905.4/30

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

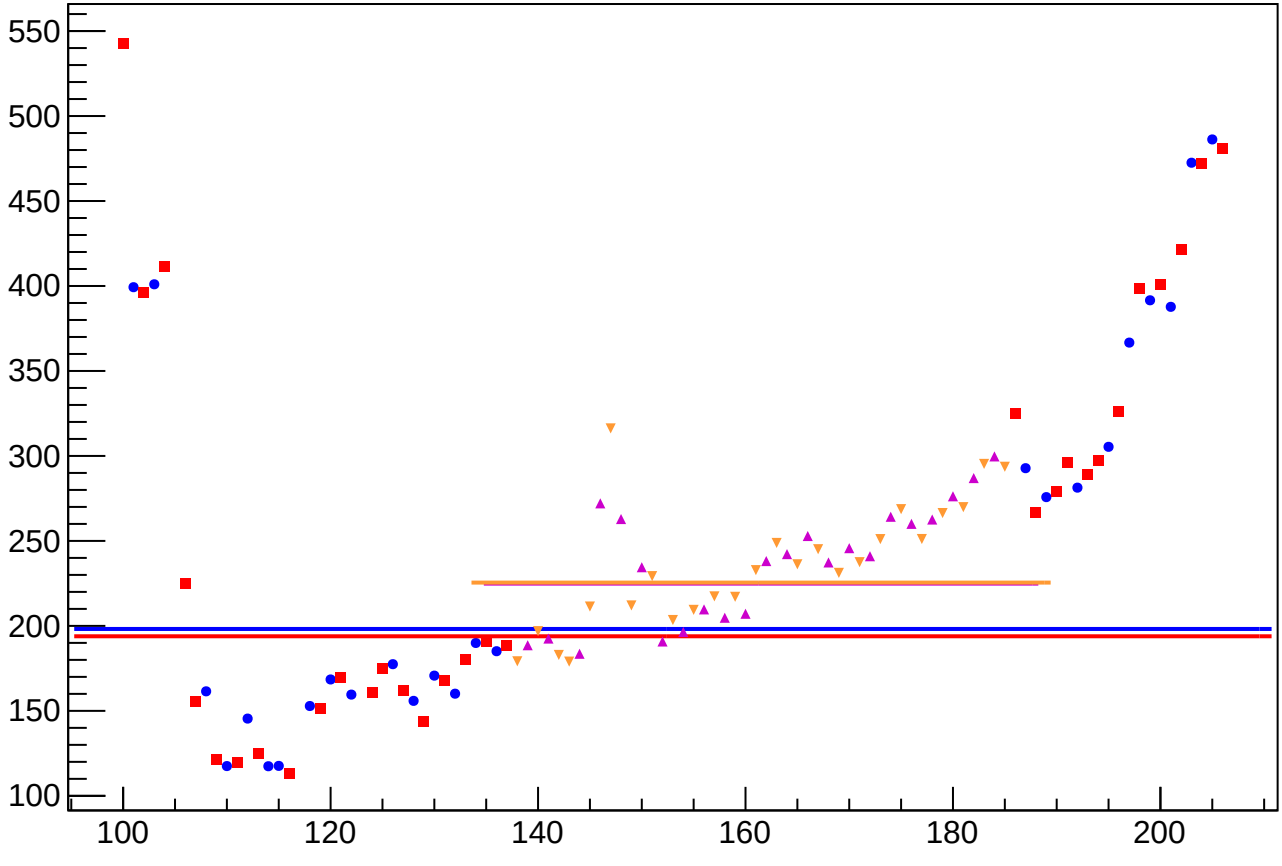
Right: 143155.687+/-0.040 χ^2/NDF: 440179958.1/5

In: 144156.495+/-0.040 χ^2/NDF:1357816544.6/47

Out: 144058.161+/-0.037 χ^2/NDF:1621805473.2/5

All: 144104.661+/-0.027 χ^2/NDF: 29828834

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 198.197+/-0.041 χ^2/NDF: 4535042.7/24

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 193.885+/-0.038 χ^2/NDF: 5977479.3/30

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

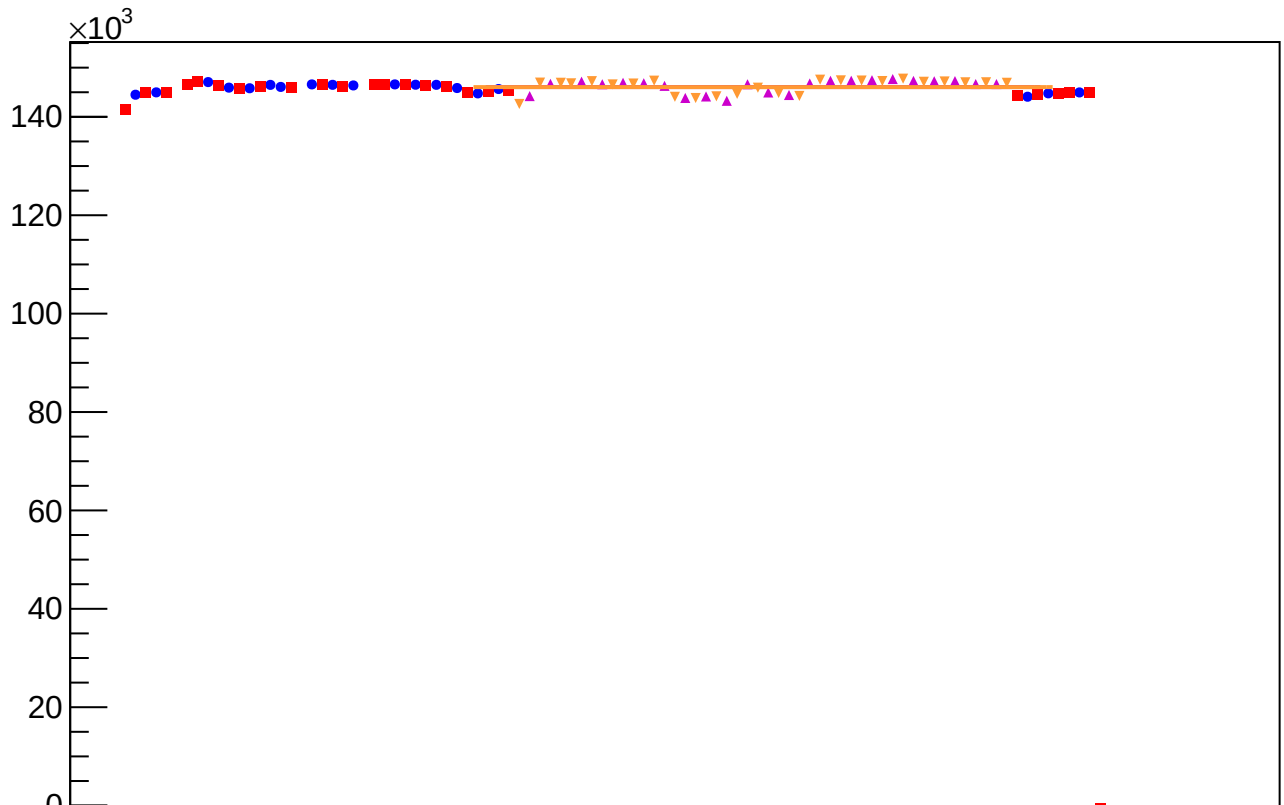
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 195.854+/-0.028 χ^2/NDF: 10518410.2/55

In: 212.719+/-0.028 χ^2/NDF:5484651.2/47

Out: 210.122+/-0.026 χ^2/NDF:7108541.2/55

All: 211.350+/-0.019 χ^2/NDF: 12597744.6/10



Right In: -820.640+/-0.003 χ^2/NDF: 5370125288299.1/24

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -805.042+/-0.003 χ^2/NDF: 6461636713825.1/30

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

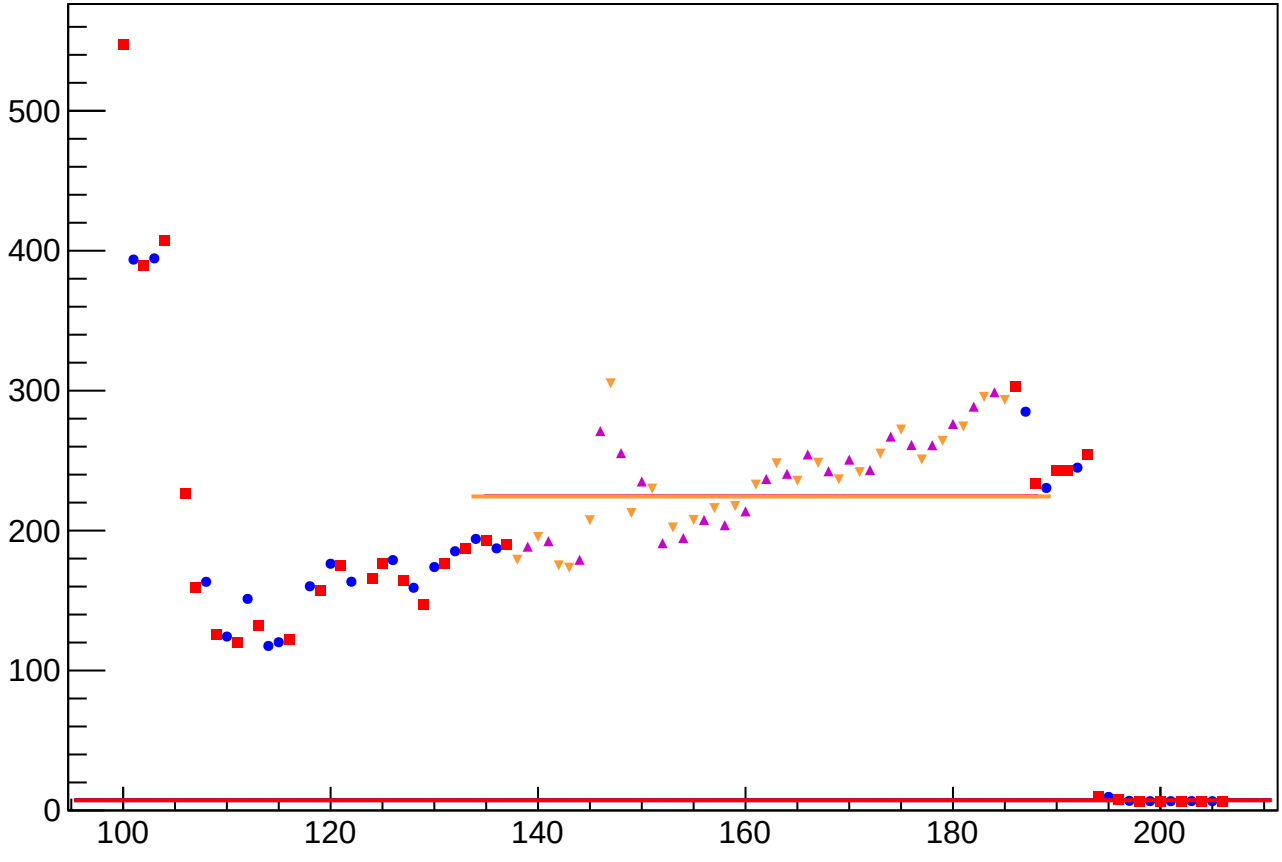
Right: -812.370+/-0.002 χ^2/NDF: 11831775508932

In: -333.361+/-0.003 χ^2/NDF:12865570726087.5/

Out: -347.072+/-0.003 χ^2/NDF:14409546354707.4

All: -340.629+/-0.002 χ^2/NDF: 2727512755

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.377+/-0.002 χ^2/NDF: 16091893.8/24

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.298+/-0.002 χ^2/NDF: 18419562.6/30

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

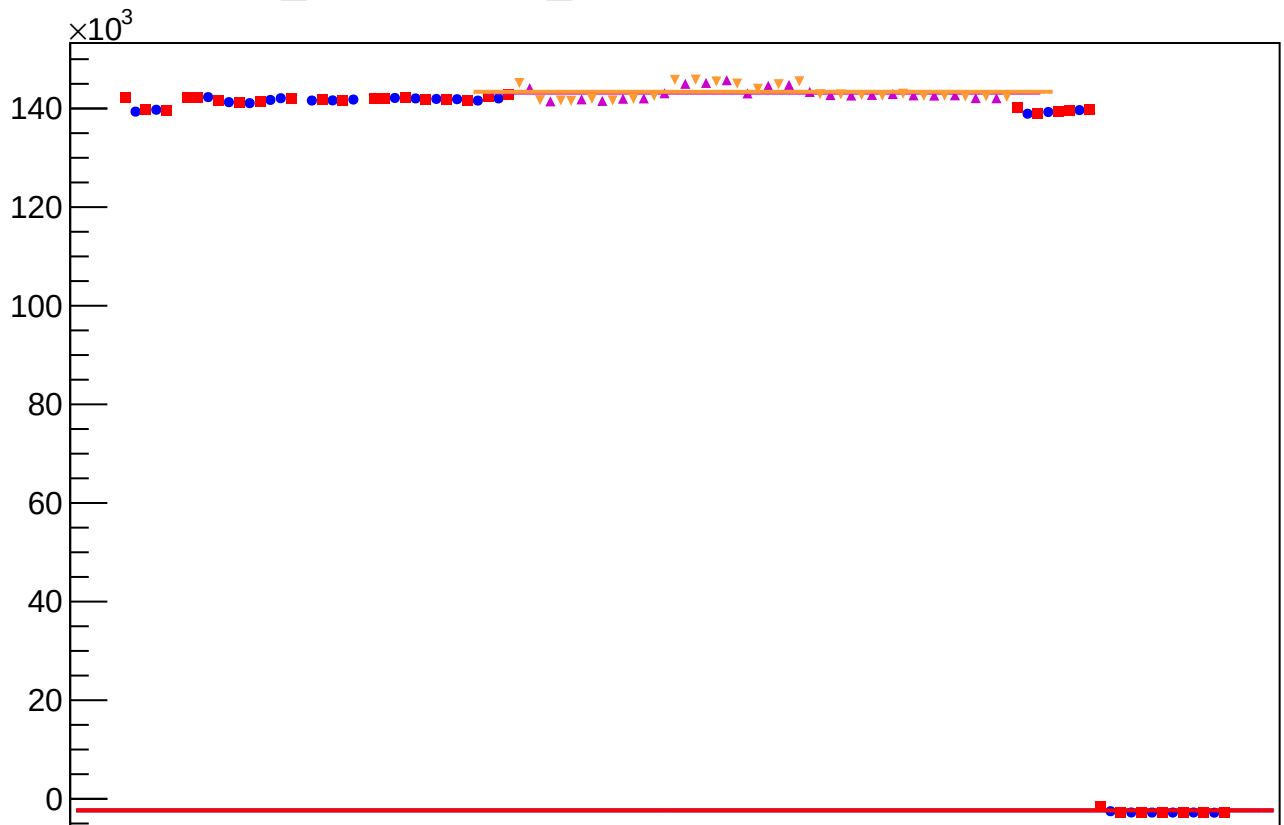
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.335+/-0.001 χ^2/NDF: 34512145.9/55

In: 8.097+/-0.002 χ^2/NDF:49651560.8/47

Out: 7.975+/-0.002 χ^2/NDF:54011623.0/55

All: 8.032+/-0.001 χ^2/NDF: 103664856.6/103



Right In: -2344.140+/-0.003 χ^2/NDF: 4958297277762.9/24

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2337.407+/-0.003 χ^2/NDF: 5829967559782.9/30

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

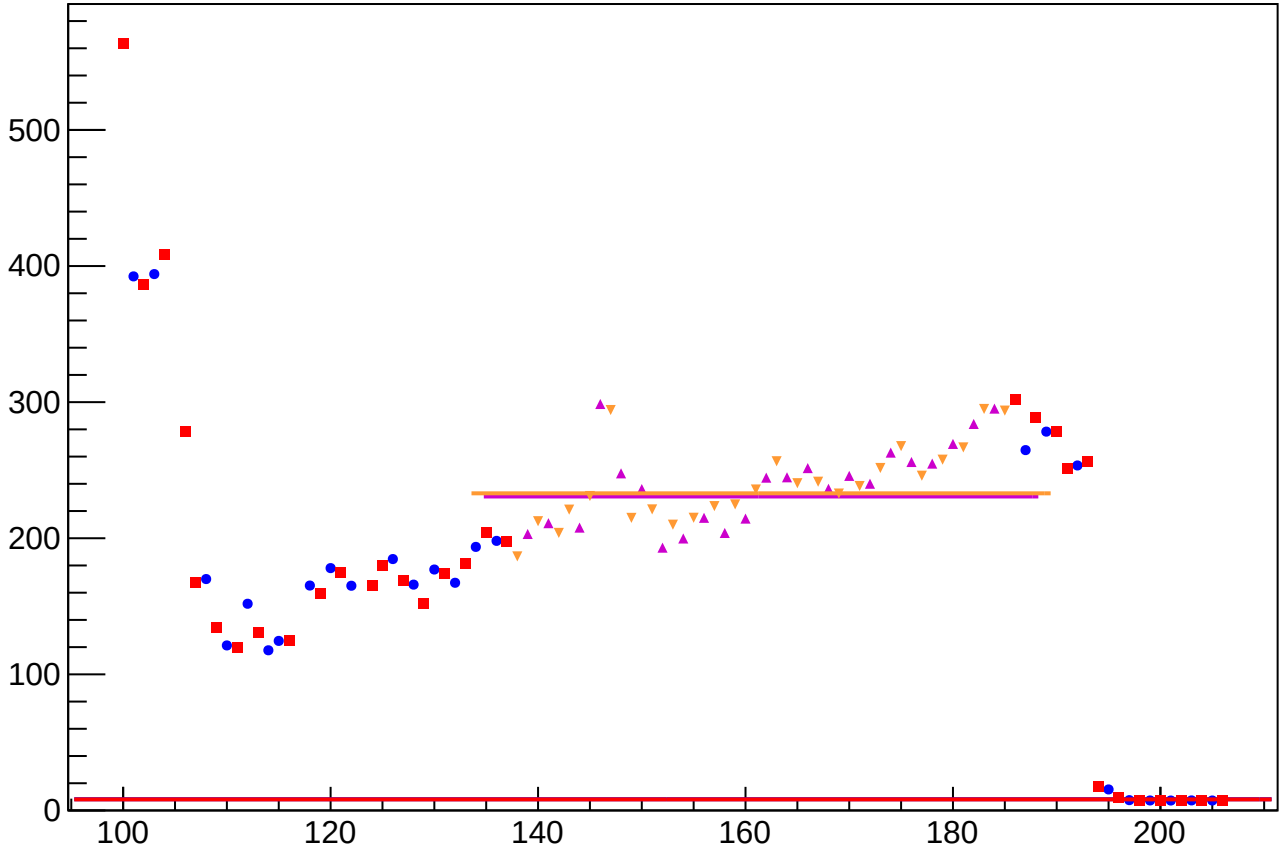
Right: -2340.545+/-0.002 χ^2/NDF: 1078826682312

In: -1756.377+/-0.003 χ^2/NDF:11978735811419.

Out: -1801.425+/-0.003 χ^2/NDF:13172072315220

All: -1780.425+/-0.002 χ^2/NDF: 2515089737

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.244+/-0.002 χ^2/NDF: 16245762.6/24

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.126+/-0.002 χ^2/NDF: 18461304.0/30

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

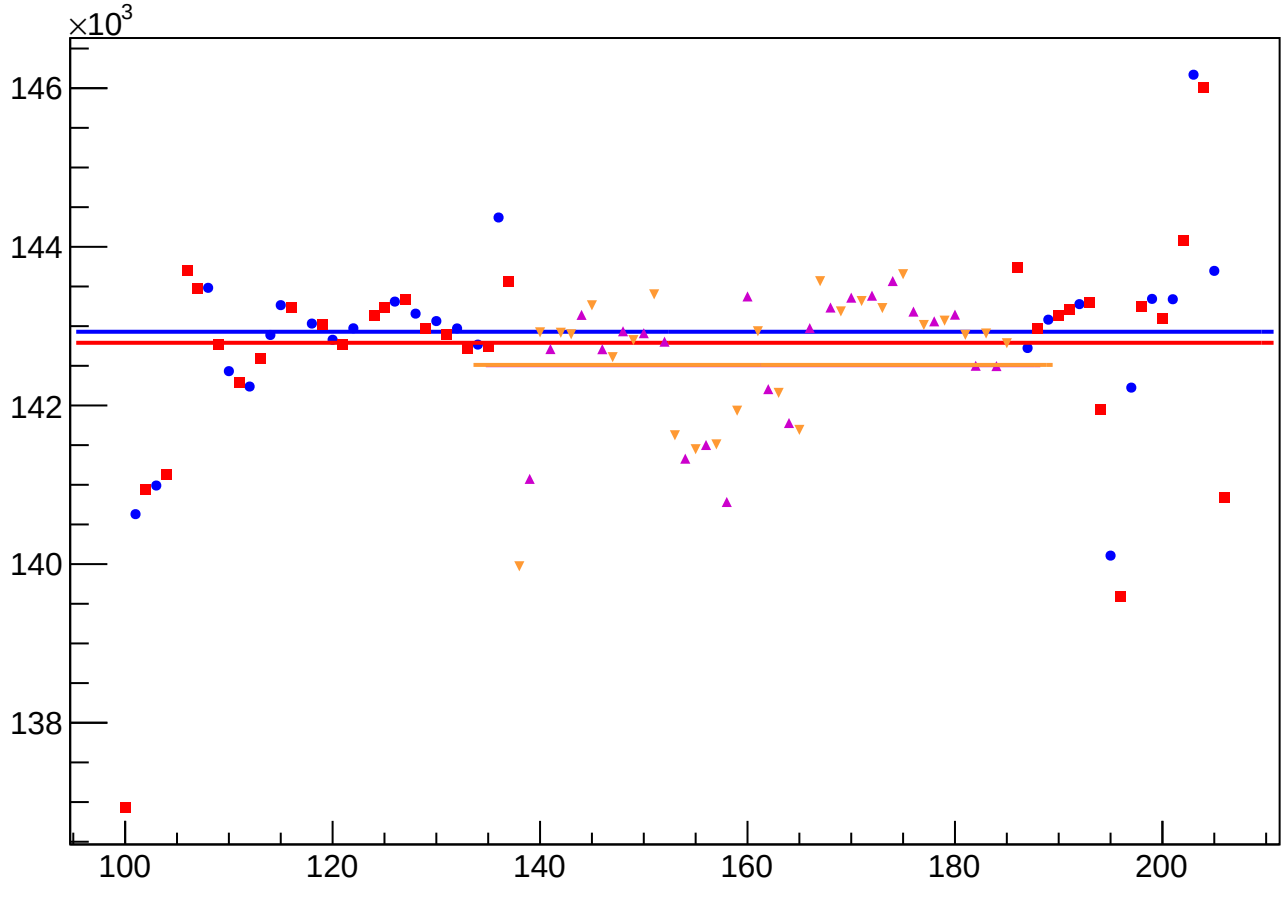
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.181+/-0.002 χ^2/NDF: 34708286.2/55

In: 9.142+/-0.002 χ^2/NDF:49544892.1/47

Out: 8.953+/-0.002 χ^2/NDF:53873473.0/55

All: 9.041+/-0.002 χ^2/NDF: 103421508.9/103



Right In: 142929.304+/-0.061 χ^2/NDF: 239478096.6/24

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142790.212+/-0.056 χ^2/NDF: 215759565.0/30

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

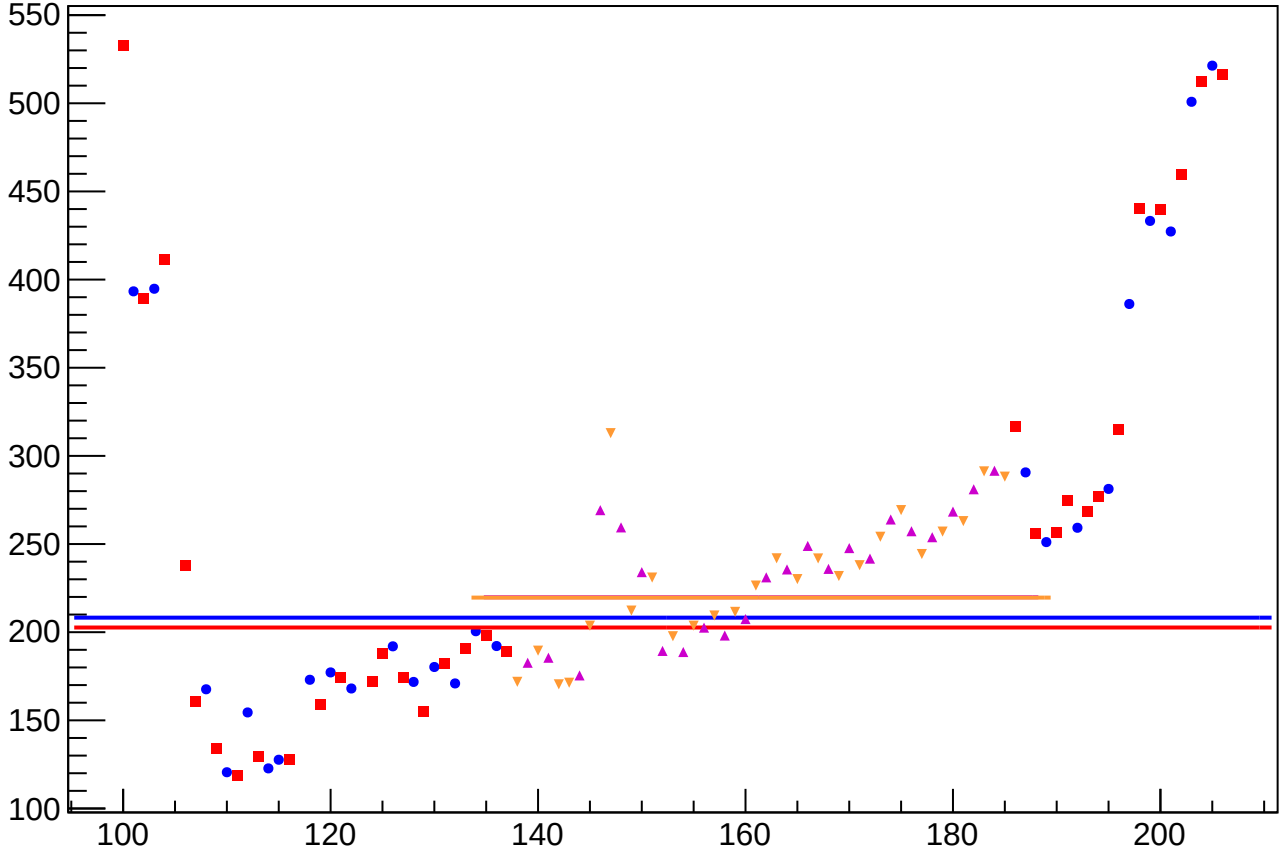
Right: 142853.294+/-0.041 χ^2/NDF: 458054204.6/5

In: 142685.736+/-0.040 χ^2/NDF:536116127.9/47

Out: 142637.982+/-0.038 χ^2/NDF:567472054.8/55

All: 142660.495+/-0.027 χ^2/NDF: 11043482

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 208.246+/-0.043 χ^2/NDF: 4240344.3/24

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 202.654+/-0.039 χ^2/NDF: 5617700.5/30

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

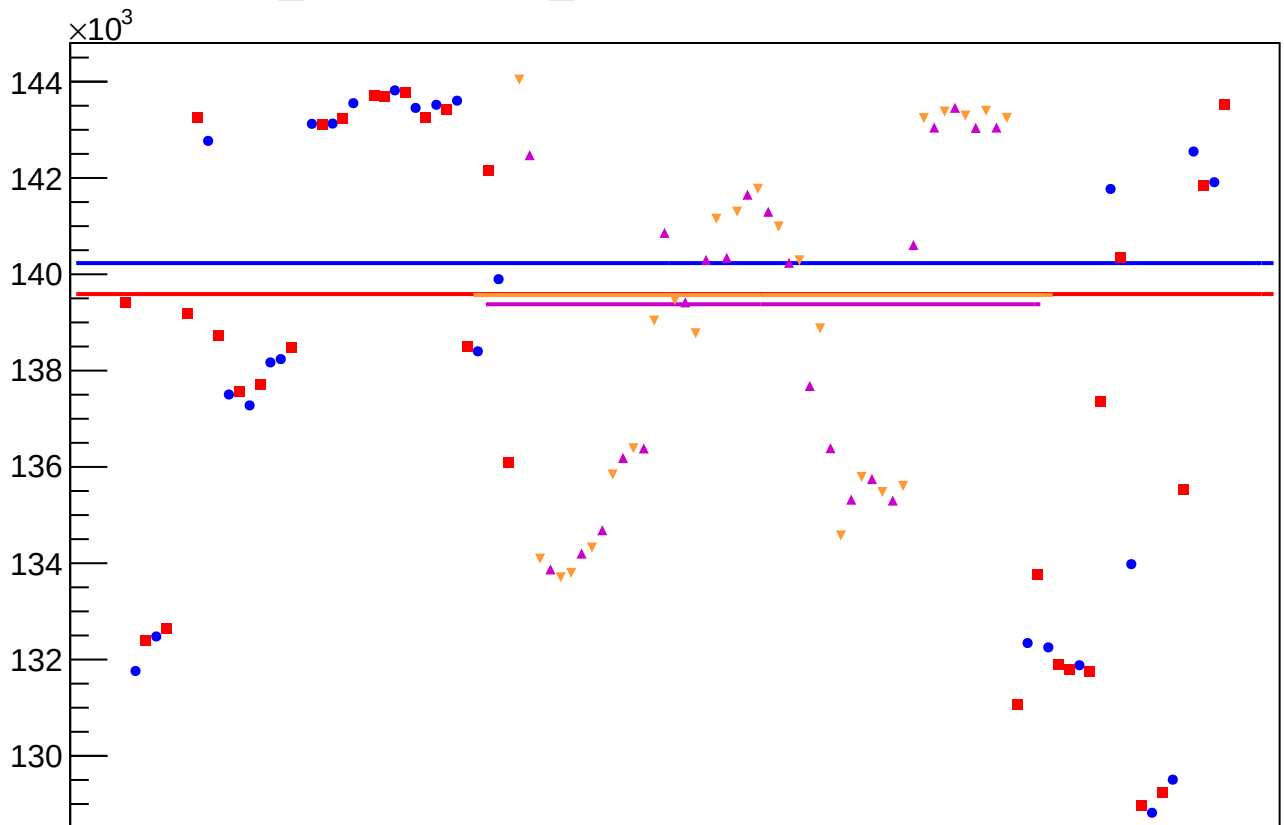
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 205.191+/-0.029 χ^2/NDF: 9867149.5/55

In: 214.927+/-0.028 χ^2/NDF:5087016.1/47

Out: 211.916+/-0.027 χ^2/NDF:6620587.7/55

All: 213.335+/-0.019 χ^2/NDF: 11713646.7/10



Right In: 140232.135+/-0.087 χ^2/NDF: 2580694247.3/24

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139589.054+/-0.084 χ^2/NDF: 2763103015.2/30

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

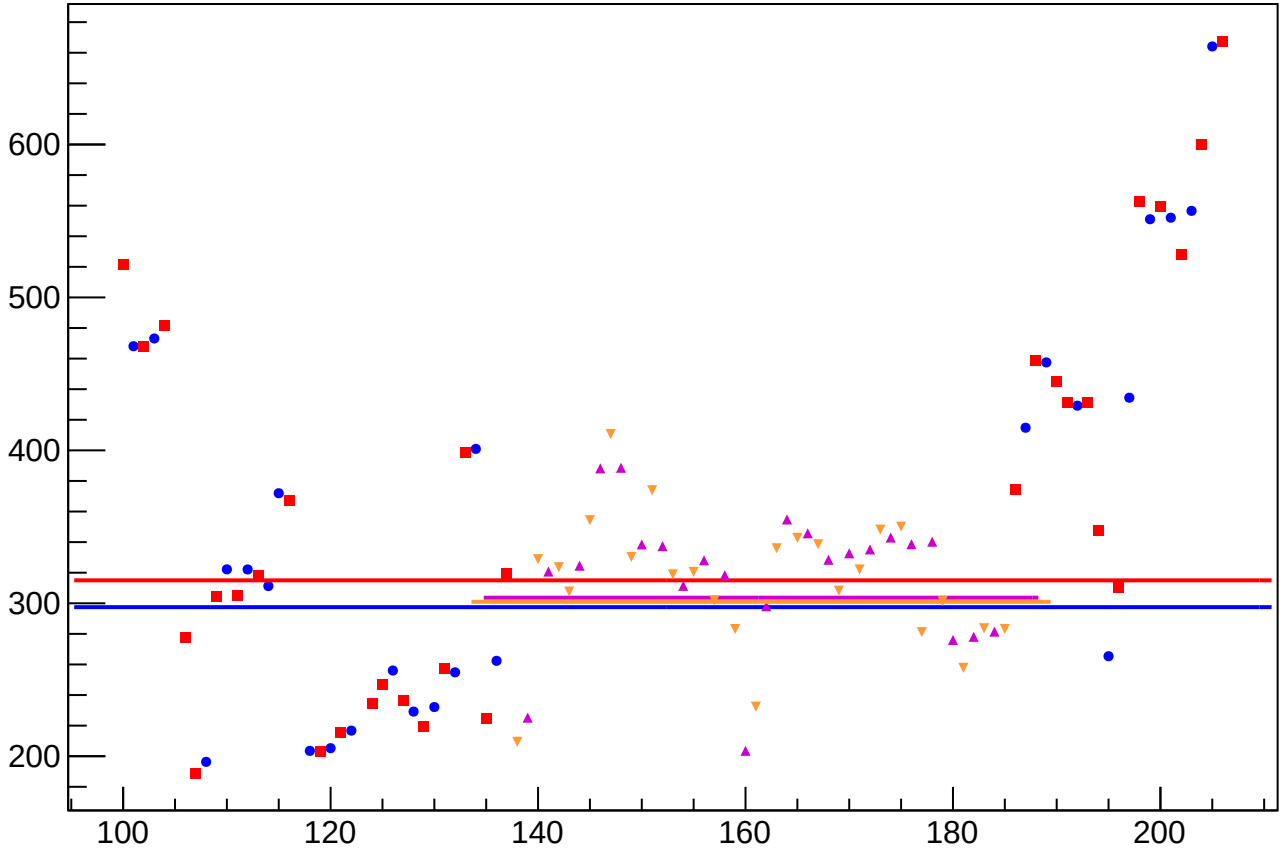
Right: 139902.542+/-0.060 χ^2/NDF: 5372088762.8/

In: 139732.505+/-0.056 χ^2/NDF:4559119290.5/47

Out: 139577.027+/-0.054 χ^2/NDF:5349776091.3/5

All: 139652.093+/-0.039 χ^2/NDF: 99129133

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 297.469+/-0.061 χ^2/NDF: 3421753.9/24

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 314.999+/-0.060 χ^2/NDF: 3894849.9/30

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

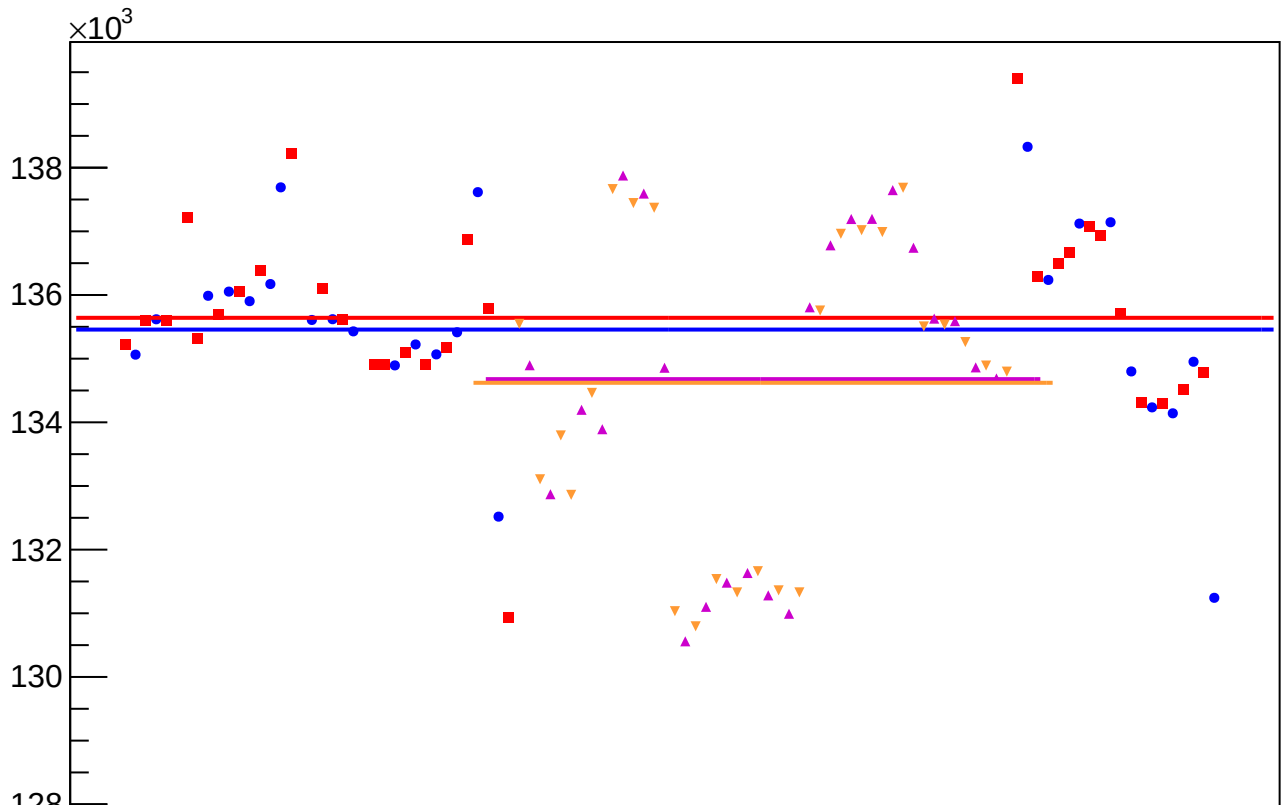
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 306.453+/-0.043 χ^2/NDF: 7358648.4/55

In: 301.088+/-0.039 χ^2/NDF:4403986.6/47

Out: 306.685+/-0.038 χ^2/NDF:4804487.5/55

All: 303.983+/-0.027 χ^2/NDF: 9218889.4/103



Right In: 135456.970+/-0.082 χ^2/NDF: 283910404.0/24

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135641.615+/-0.073 χ^2/NDF: 539200621.9/30

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

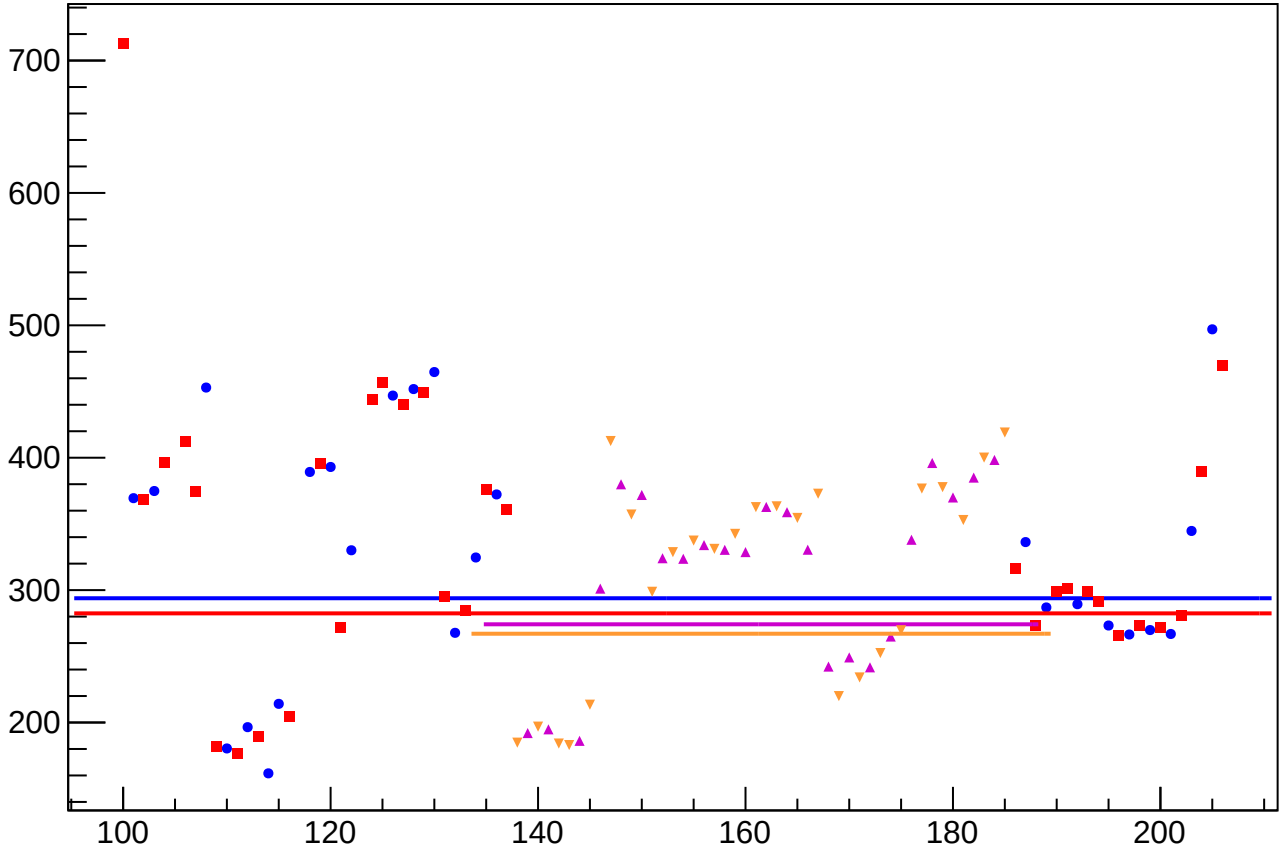
Right: 135559.778+/-0.055 χ^2/NDF: 825927254.5/5

In: 134989.112+/-0.052 χ^2/NDF:1434239040.7/47

Out: 135060.752+/-0.048 χ^2/NDF:1851183189.4/5

All: 135027.637+/-0.035 χ^2/NDF: 32864483

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 293.855+/-0.058 χ^2/NDF: 1834349.9/24

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 282.433+/-0.052 χ^2/NDF: 2200839.9/30

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

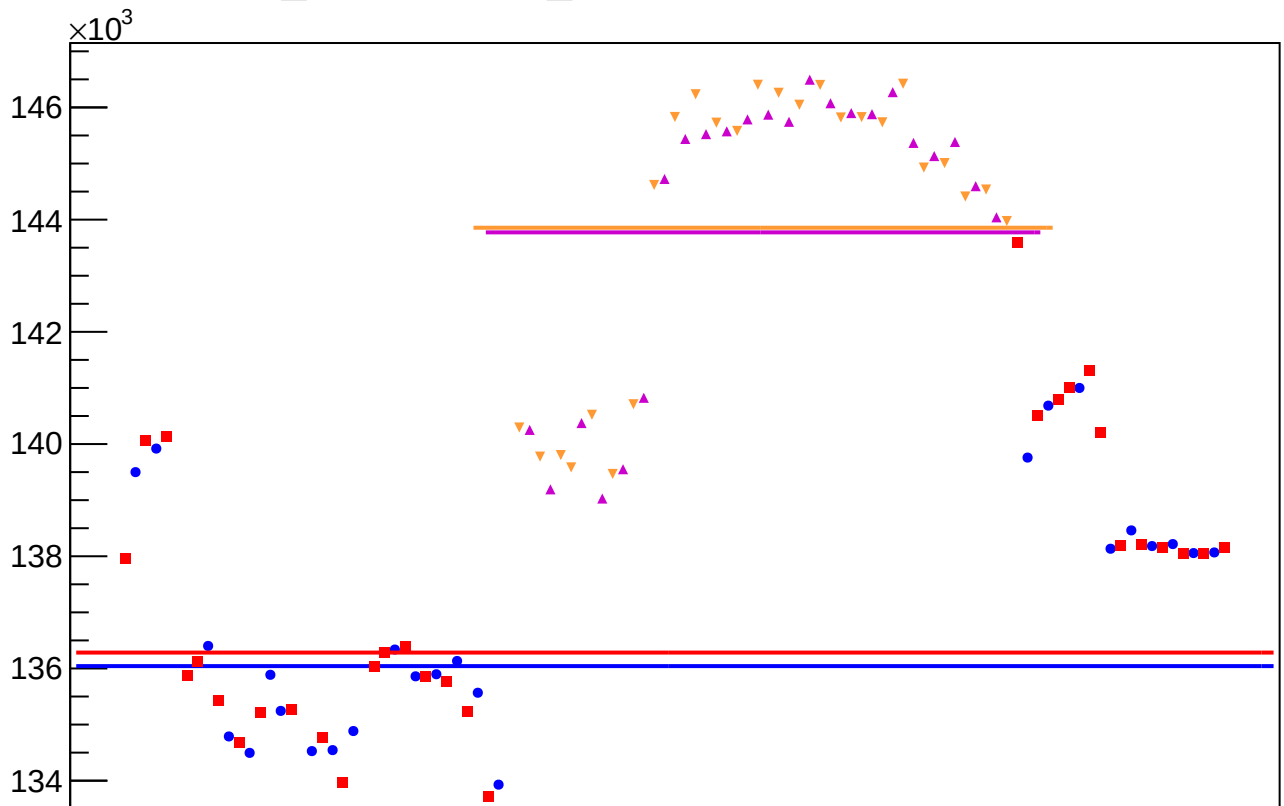
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 287.495+/-0.039 χ^2/NDF: 4056745.5/55

In: 282.029+/-0.037 χ^2/NDF:4140156.0/47

Out: 273.680+/-0.034 χ^2/NDF:5094322.3/55

All: 277.539+/-0.025 χ^2/NDF: 9262352.7/103



Right In: 136042.119+/-0.048 χ^2/NDF: 1468046598.5/24

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136283.358+/-0.045 χ^2/NDF: 2177336257.1/30

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

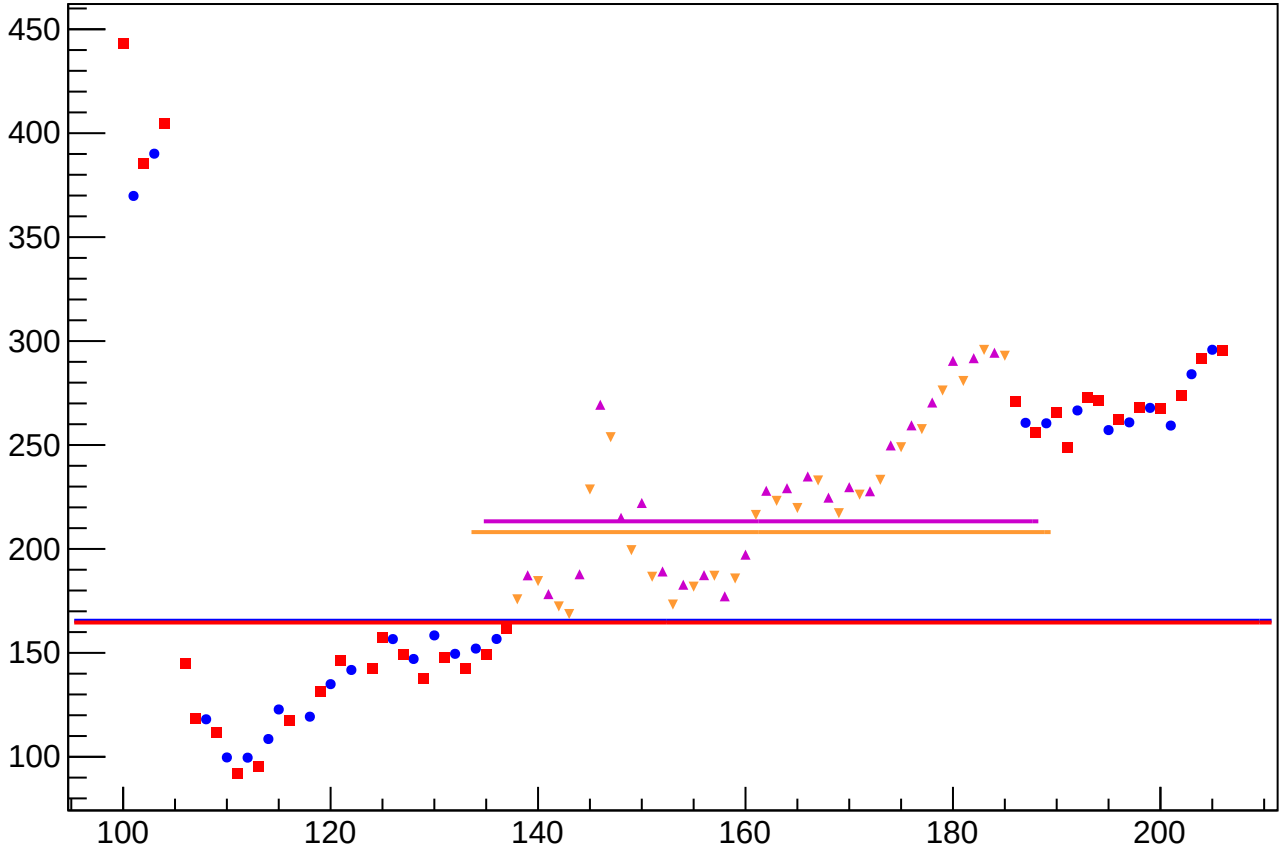
Right: 136171.244+/-0.033 χ^2/NDF: 3658738688.2/

In: 139703.091+/-0.035 χ^2/NDF:16406563944.2/4

Out: 139799.501+/-0.033 χ^2/NDF:18455884907.8

All: 139754.278+/-0.024 χ^2/NDF: 34866468

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 165.456+/-0.034 χ^2/NDF: 3982568.0/24

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 164.608+/-0.032 χ^2/NDF: 5181099.5/30

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

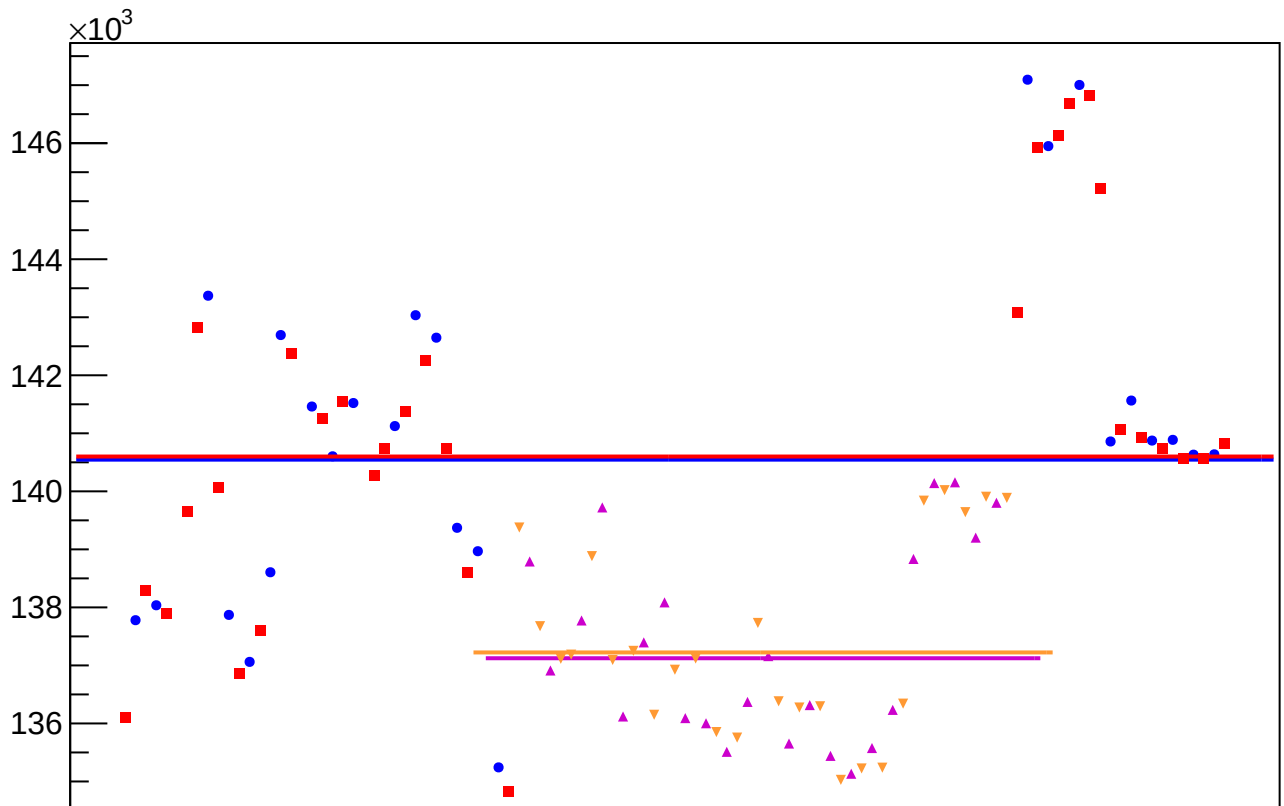
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 165.002+/-0.023 χ^2/NDF: 9163997.2/55

In: 188.106+/-0.025 χ^2/NDF:5777147.3/47

Out: 184.803+/-0.023 χ^2/NDF:7041546.9/55

All: 186.352+/-0.017 χ^2/NDF: 12828132.0/10



Right In: 140546.439+/-0.054 χ^2/NDF: 2807530731.3/24

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140599.867+/-0.051 χ^2/NDF: 3239694280.7/30

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

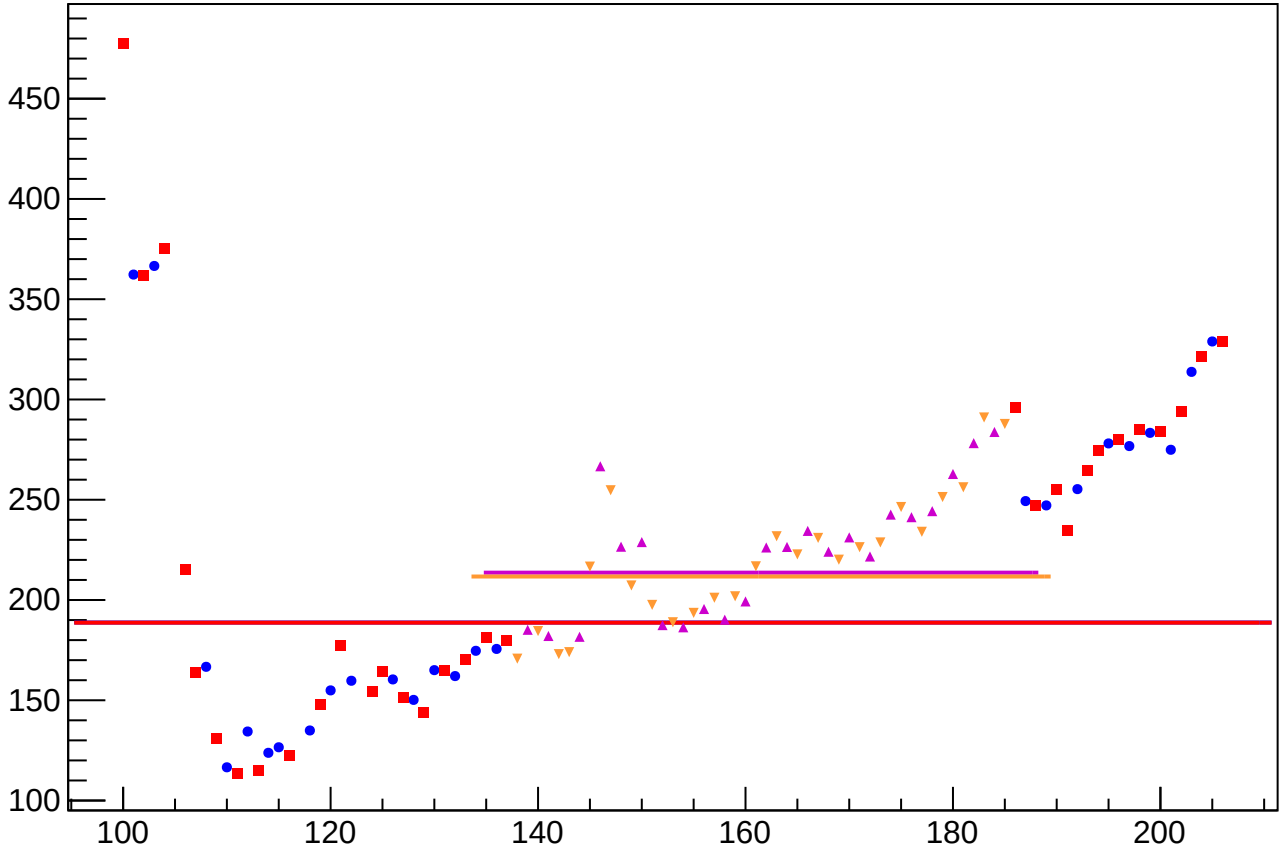
Right: 140574.958+/-0.037 χ^2/NDF: 6047746776.3/

In: 138732.897+/-0.037 χ^2/NDF:5793782678.3/47

Out: 138862.332+/-0.035 χ^2/NDF:6434108171.9/5

All: 138800.962+/-0.026 χ^2/NDF: 12234307

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 188.770+/-0.038 χ^2/NDF: 3008487.0/24

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 188.701+/-0.036 χ^2/NDF: 4003487.1/30

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

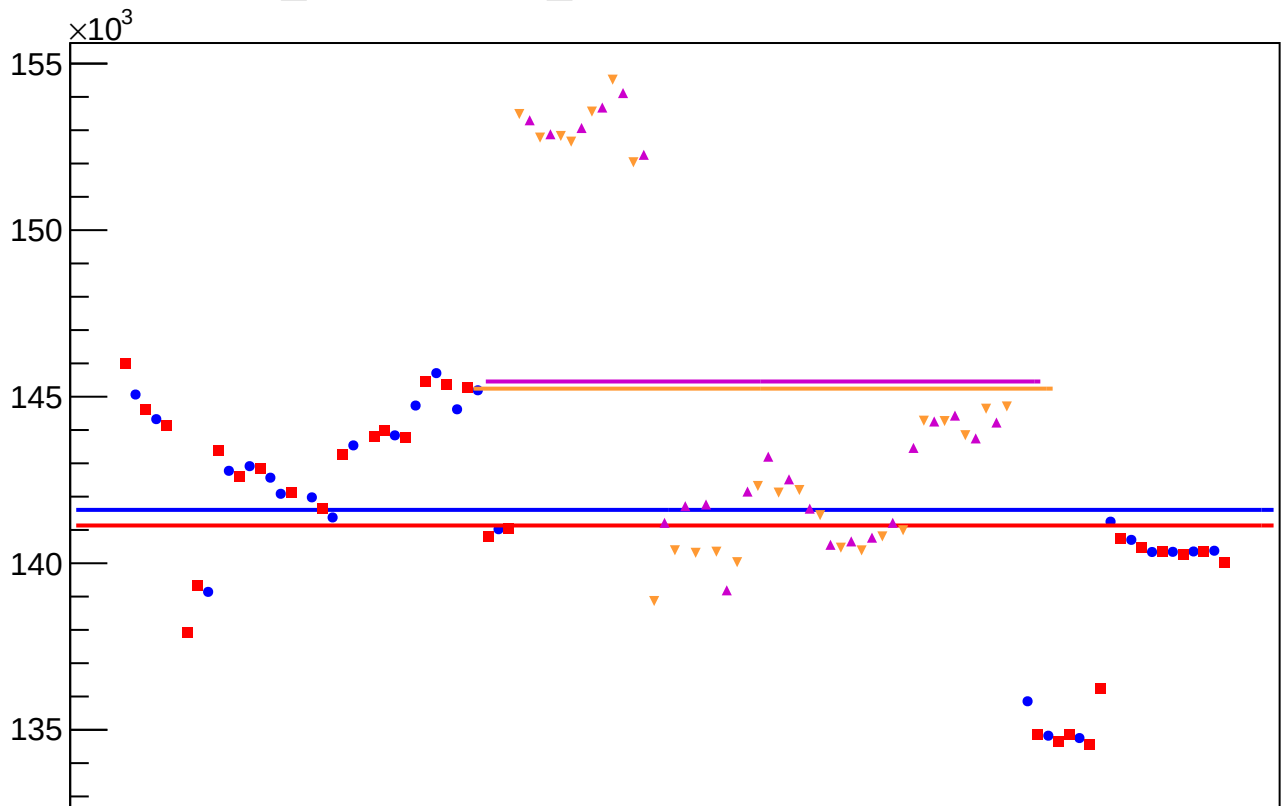
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 188.734+/-0.026 χ^2/NDF: 7011975.9/55

In: 201.947+/-0.026 χ^2/NDF:3854254.3/47

Out: 200.545+/-0.025 χ^2/NDF:4892766.6/55

All: 201.210+/-0.018 χ^2/NDF: 8748528.4/103



Right In: 141602.473+/-0.055 χ^2/NDF: 2763436617.2/24

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141134.029+/-0.050 χ^2/NDF: 4409073645.4/30

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

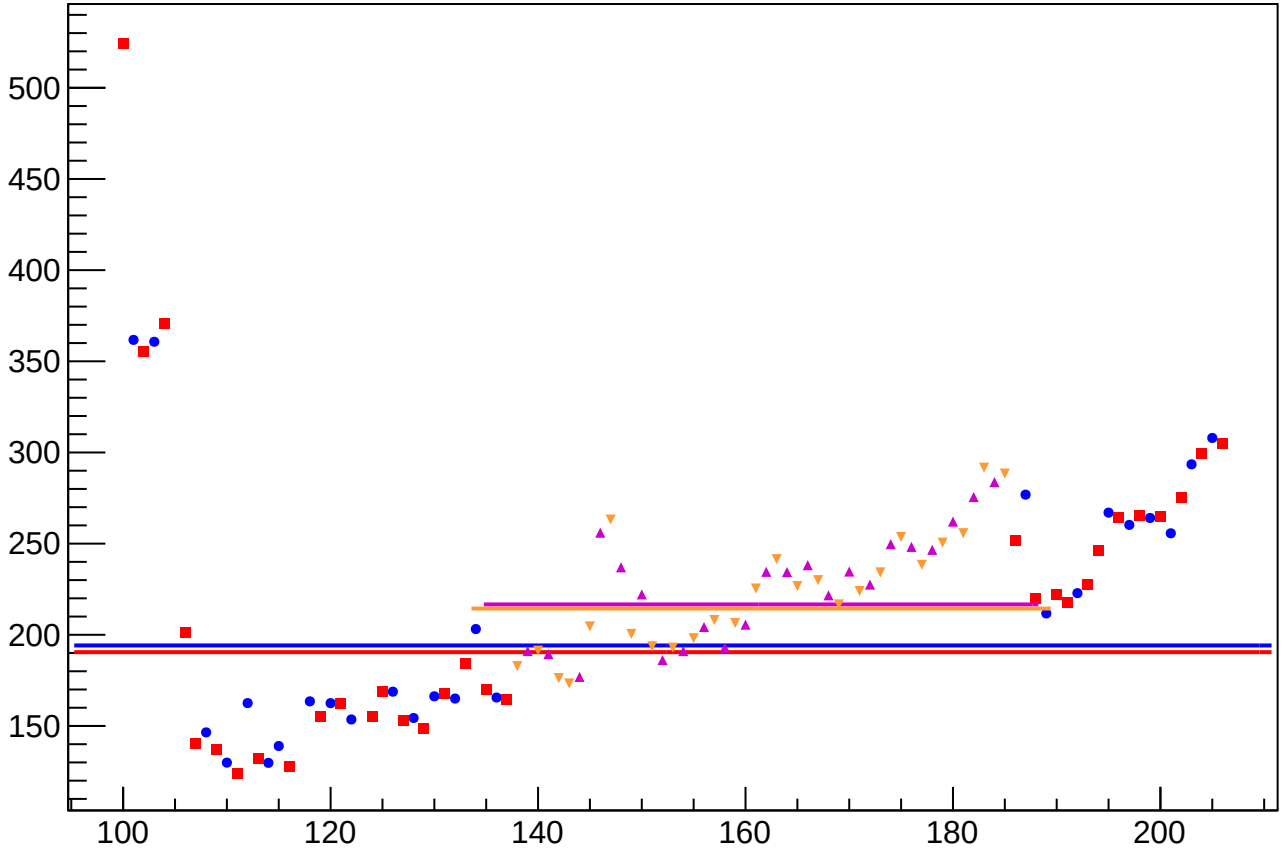
Right: 141347.515+/-0.037 χ^2/NDF: 7212449840.0/

In: 143642.104+/-0.038 χ^2/NDF:16465317625.0/4

Out: 143205.425+/-0.035 χ^2/NDF:20840699239.1

All: 143410.050+/-0.026 χ^2/NDF: 37377992

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.152+/-0.039 χ^2/NDF: 2179764.5/24

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 190.481+/-0.035 χ^2/NDF: 2897000.3/30

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 192.154+/-0.026 χ^2/NDF: 5081668.9/55

In: 206.060+/-0.027 χ^2/NDF:2946147.6/47

Out: 202.537+/-0.025 χ^2/NDF:3770613.2/55

All: 204.188+/-0.018 χ^2/NDF: 6726131.9/103

Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

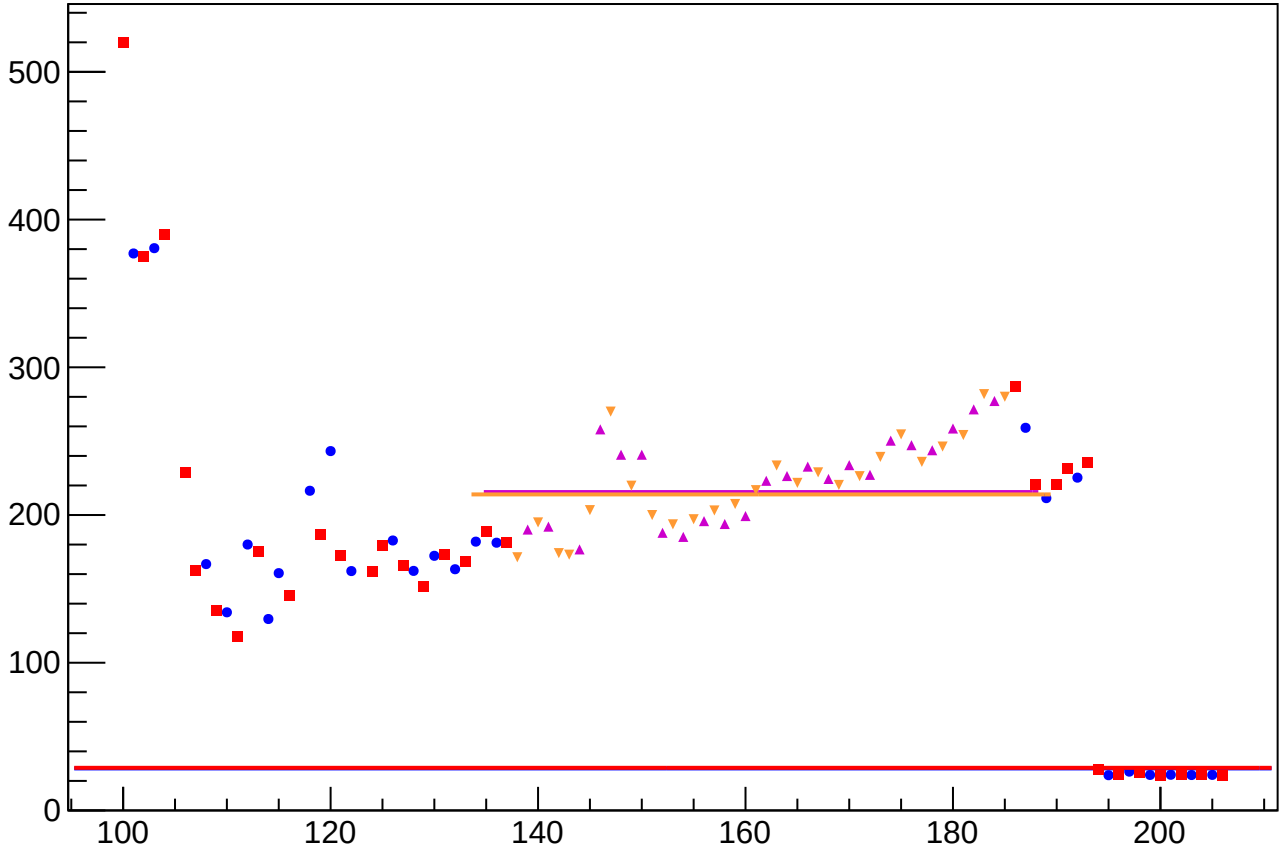
Right: -9282.295+/-0.007 χ^2/NDF: 1294012245862

In: -3233.291+/-0.010 χ^2/NDF:14584299365031.4

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -2965.960+/-0.007 χ^2/NDF: 3106281857

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.669+/-0.005 χ^2/NDF: 26957746.0/55

In: 36.199+/-0.007 χ^2/NDF:38779266.8/47

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 36.280+/-0.005 χ^2/NDF: 80754457.6/103

Right In: 159644.340+/-0.056 χ^2/NDF: 22887231874.7/24

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160116.035+/-0.052 χ^2/NDF: 27881264448.9/30

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

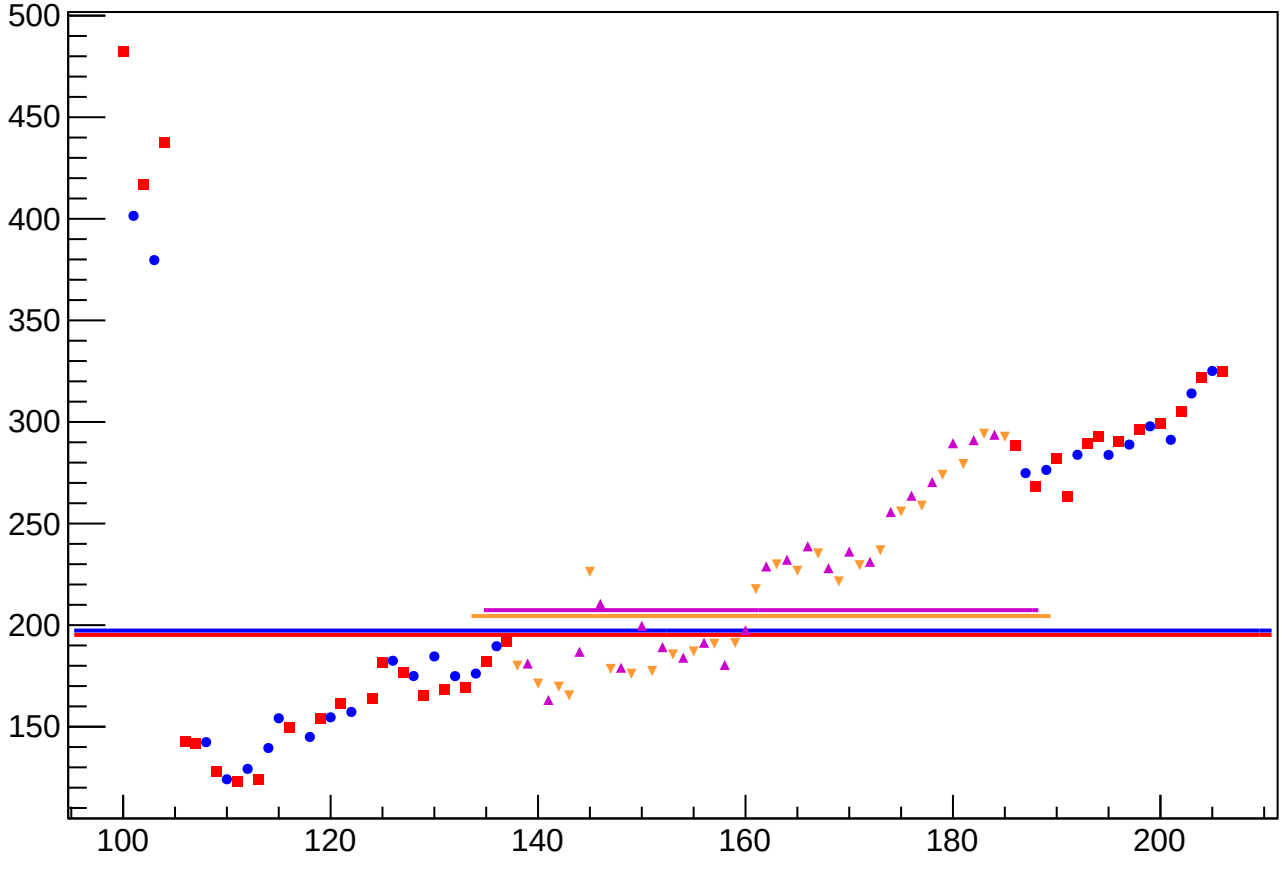
Right: 159899.484+/-0.038 χ^2/NDF: 50806311362.

In: 159912.136+/-0.037 χ^2/NDF:89480233637.7/4

Out: 160421.138+/-0.035 χ^2/NDF:102099511187.

All: 160181.752+/-0.025 χ^2/NDF: 19167910

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 197.323+/-0.040 χ^2/NDF: 3075852.5/24

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 195.188+/-0.037 χ^2/NDF: 4111836.8/30

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

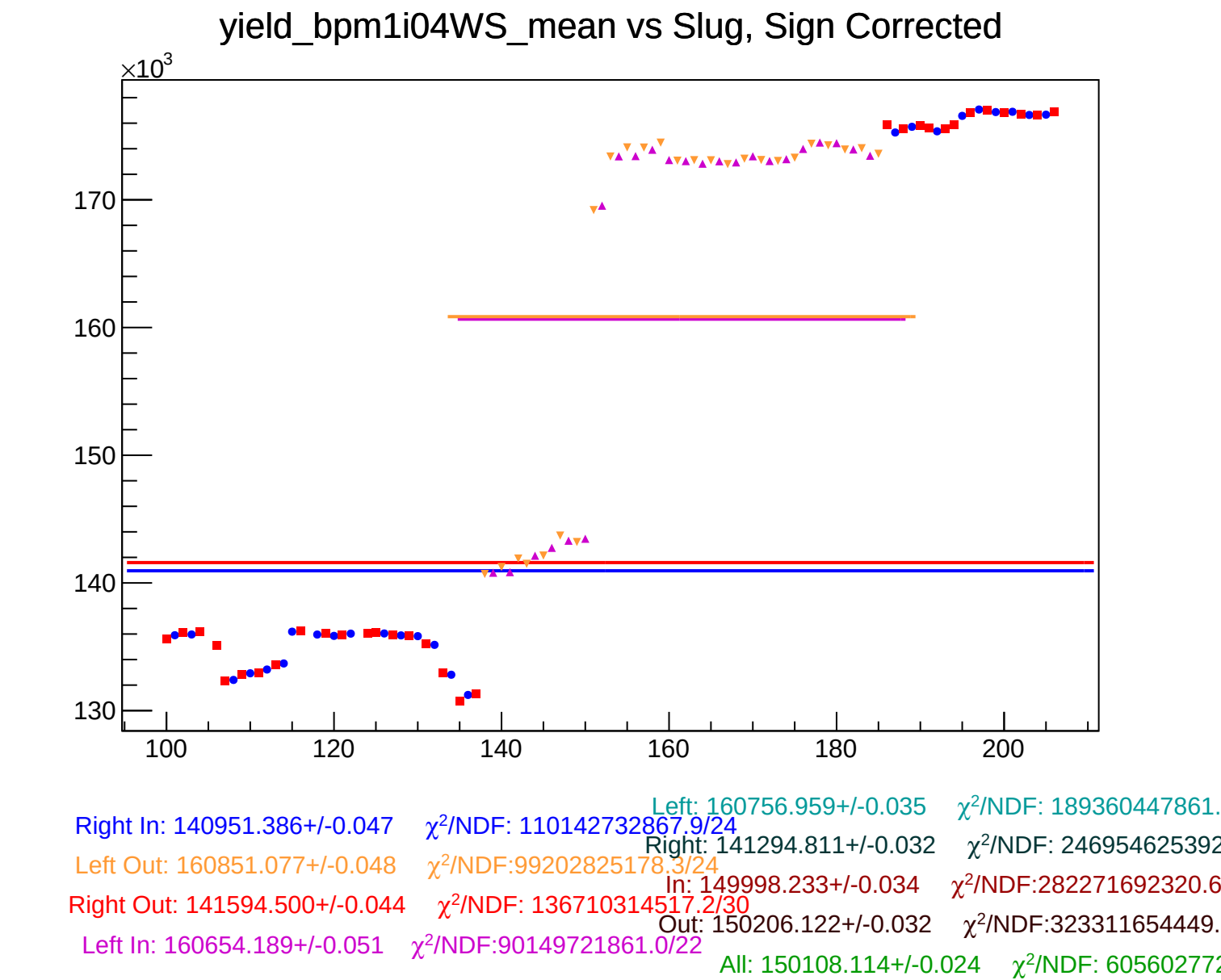
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

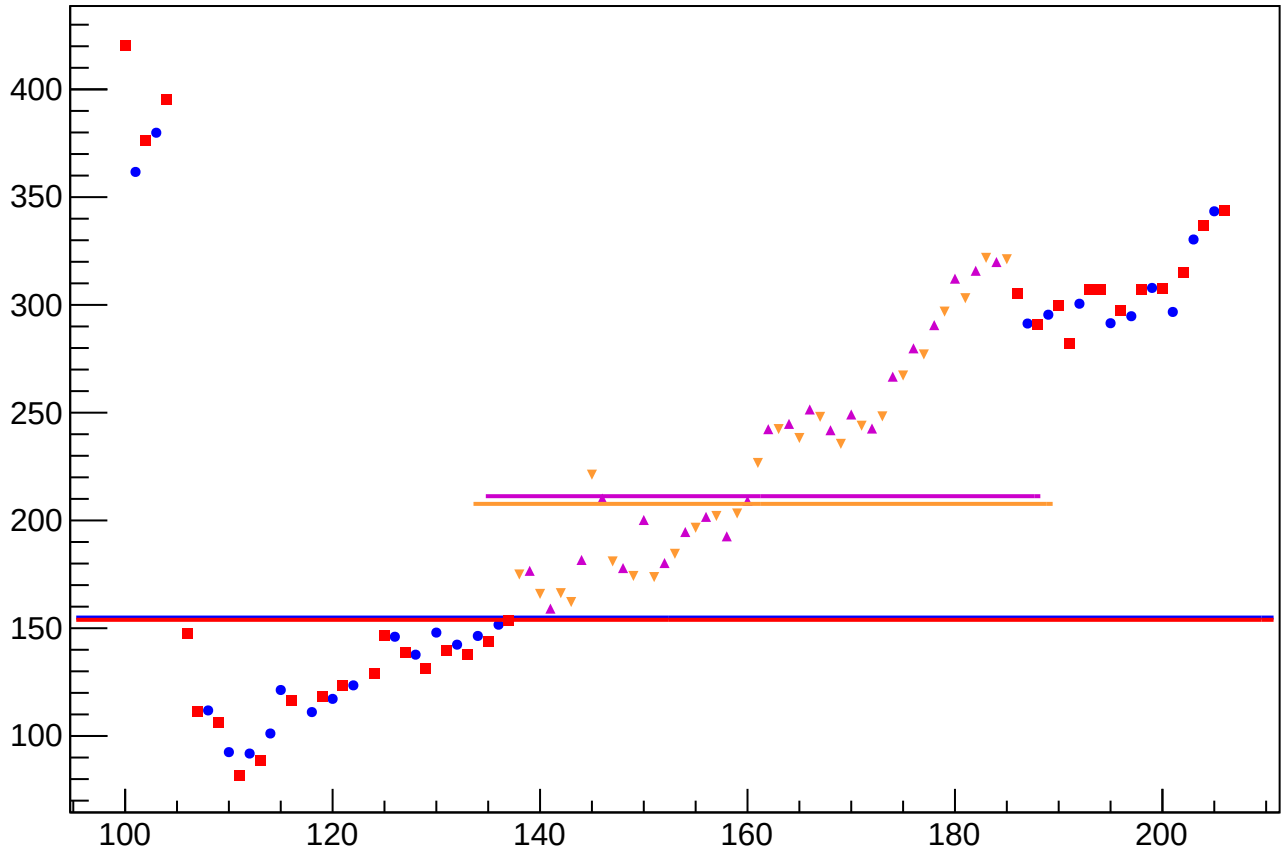
Right: 196.168+/-0.027 χ^2/NDF: 7189239.4/55

In: 203.009+/-0.026 χ^2/NDF:4068386.8/47

Out: 200.259+/-0.025 χ^2/NDF:5219913.2/55

All: 201.553+/-0.018 χ^2/NDF: 9294098.9/103


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
170
160
150
140
130
100
120
140
160
180
200
Right In: 140951.386+/-0.047 χ²/NDF: 110142732867.9/24
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 141594.500+/-0.044 χ²/NDF: 136710314517.2/30
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 141294.811+/-0.032 χ²/NDF: 246954625392
In: 149998.233+/-0.034 χ²/NDF:282271692320.6
Out: 150206.122+/-0.032 χ²/NDF:323311654449.
All: 150108.114+/-0.024 χ²/NDF: 605602772



Right In: 154.945+/-0.033 χ^2/NDF: 5462330.6/24

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 153.893+/-0.031 χ^2/NDF: 7126180.0/30

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

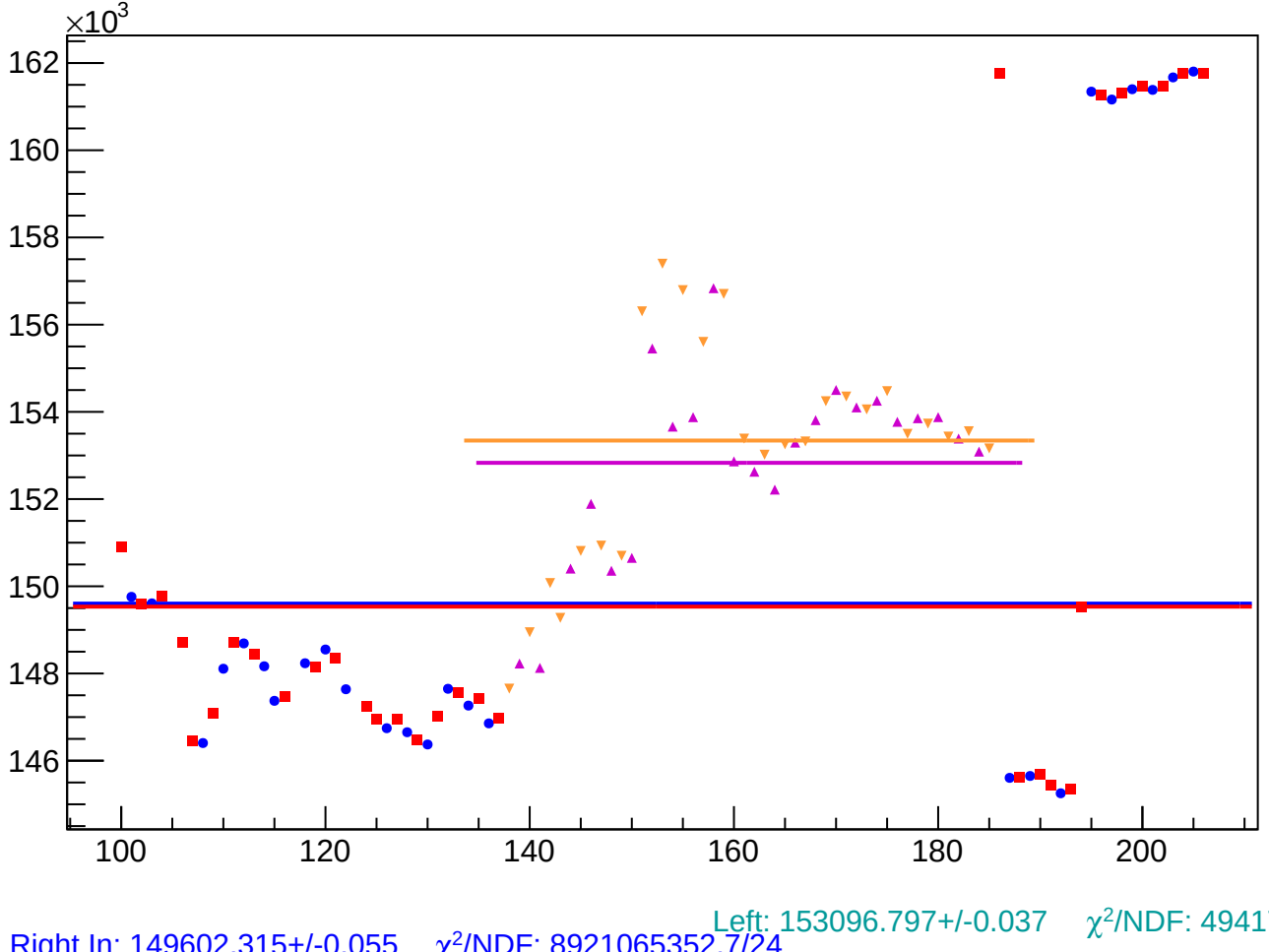
Right: 154.383+/-0.023 χ^2/NDF: 12589054.5/55

In: 180.800+/-0.024 χ^2/NDF:8107239.3/47

Out: 177.951+/-0.023 χ^2/NDF:9991097.5/55

All: 179.294+/-0.017 χ^2/NDF: 18105636.7/10

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 149602.315+/-0.055 χ^2/NDF: 8921065352.7/24

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149533.111+/-0.051 χ^2/NDF: 9542002985.0/30

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

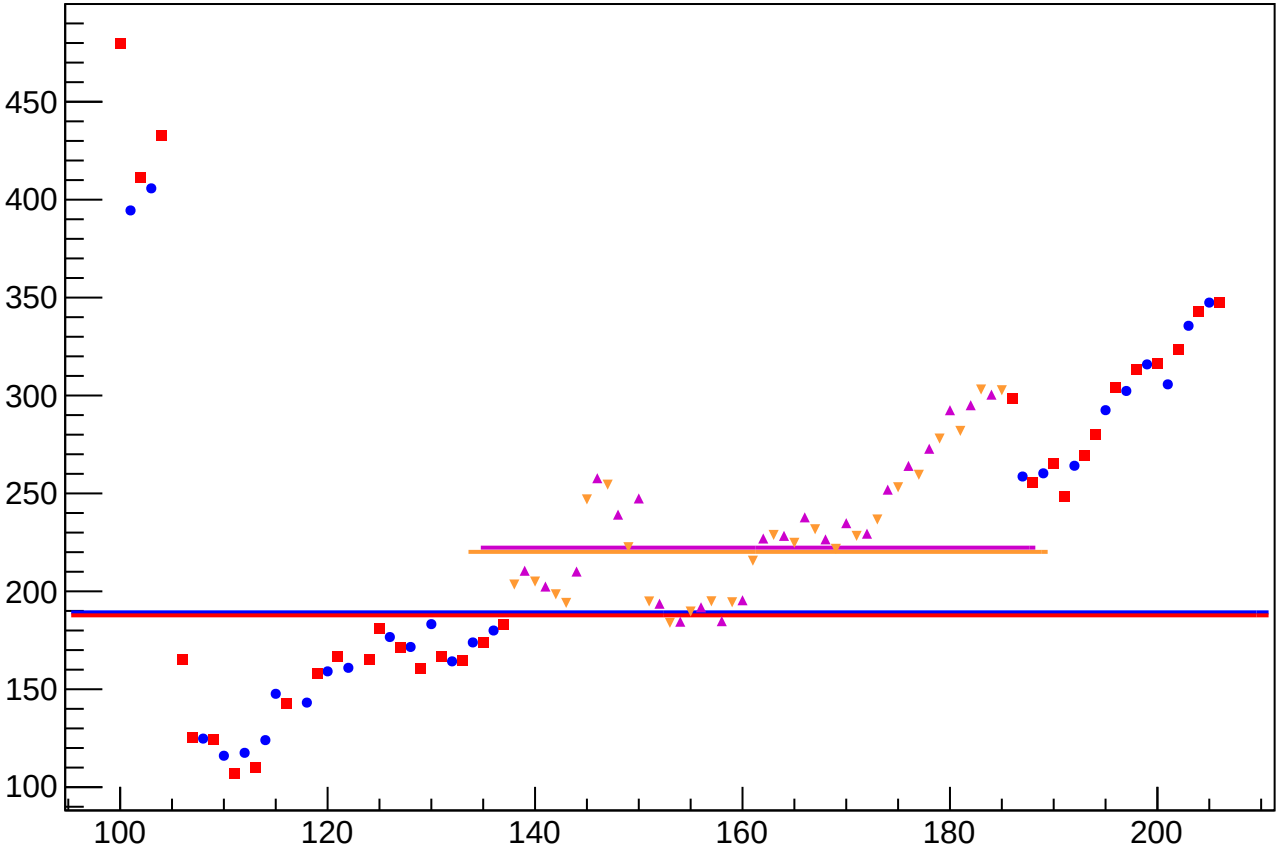
Right: 149565.042+/-0.037 χ^2/NDF: 18463926059.

In: 151277.990+/-0.038 χ^2/NDF:12634746213.6/4

Out: 151436.195+/-0.036 χ^2/NDF:15334574127.2

All: 151361.645+/-0.026 χ^2/NDF: 27978468

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 189.266+/-0.039 χ^2/NDF: 3728531.4/24

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 187.741+/-0.036 χ^2/NDF: 4830160.6/30

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

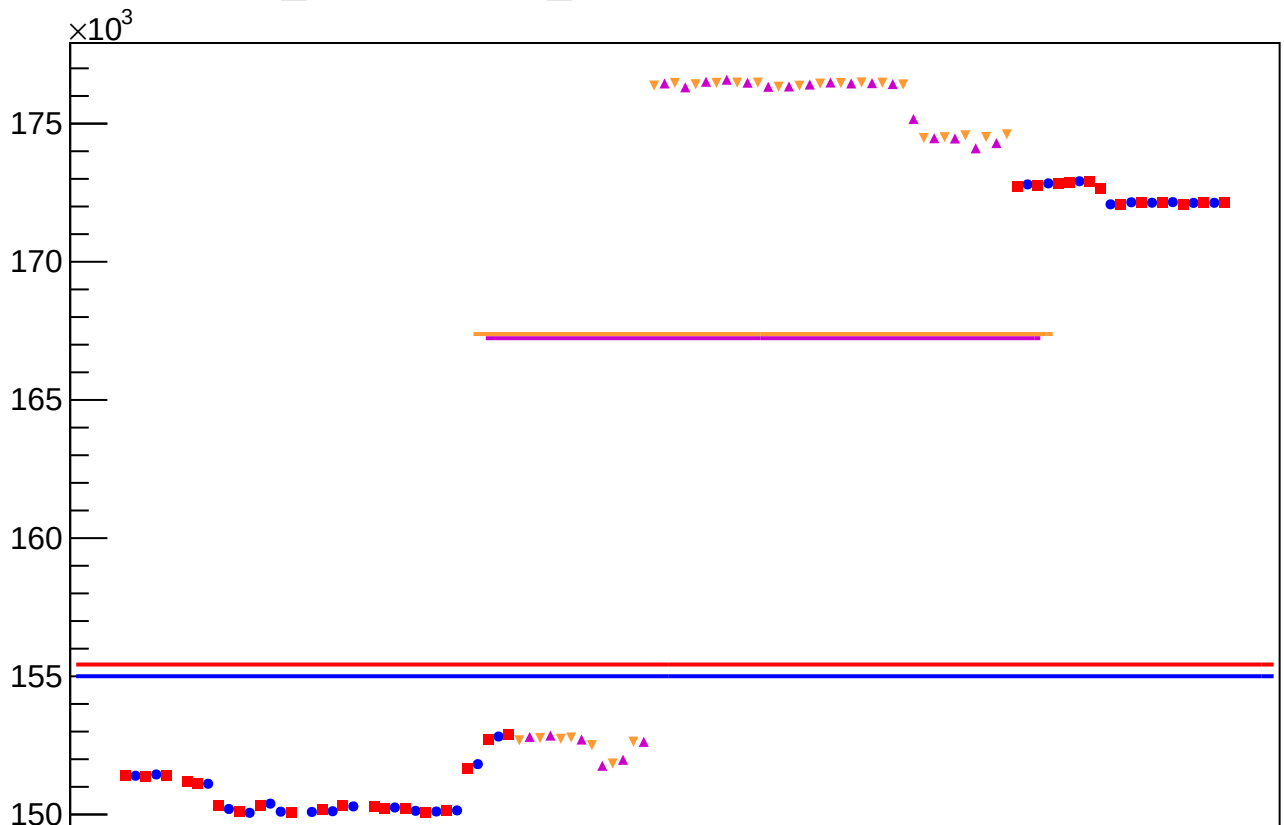
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 188.444+/-0.026 χ^2/NDF: 8559525.6/55

In: 206.411+/-0.027 χ^2/NDF:4802845.0/47

Out: 203.935+/-0.025 χ^2/NDF:5923254.2/55

All: 205.101+/-0.018 χ^2/NDF: 10730581.0/10



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

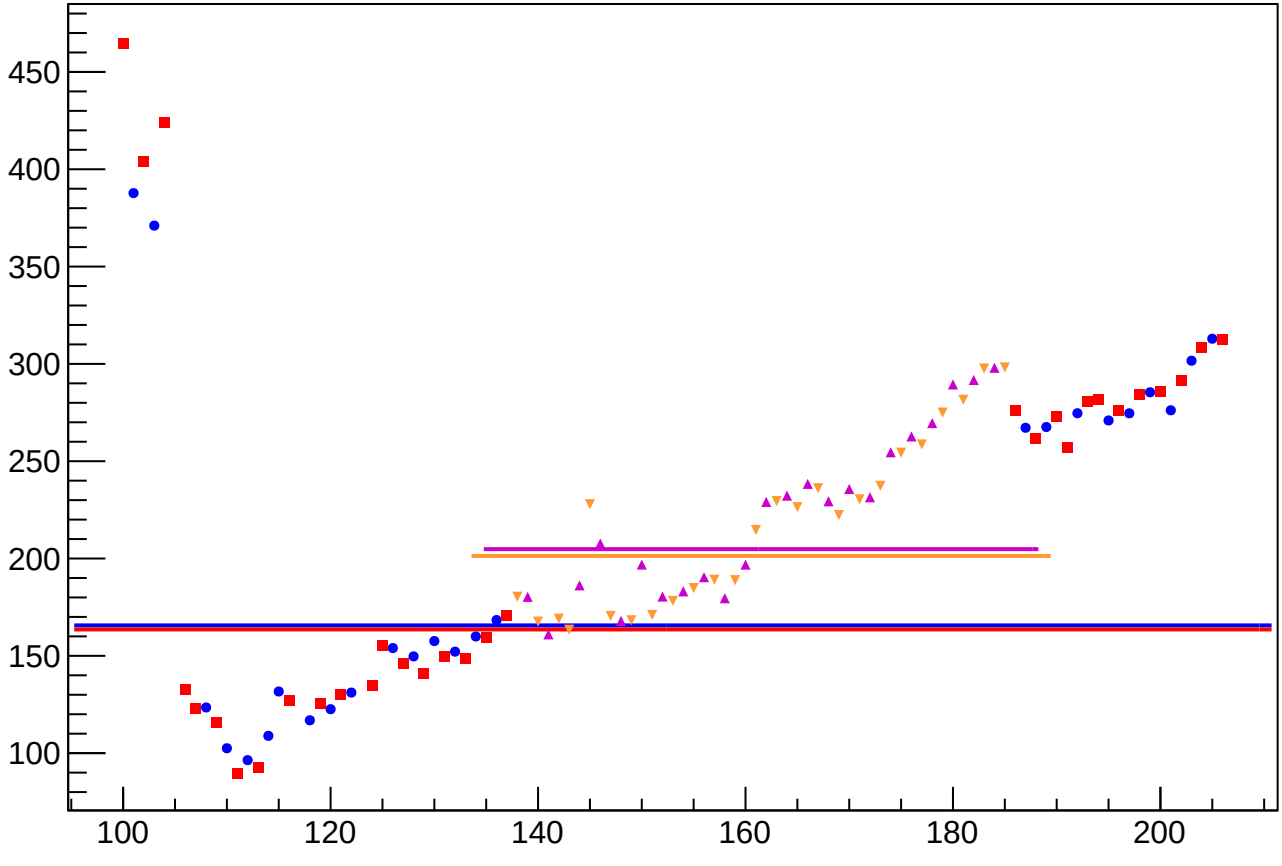
Right: 155231.826+/-0.033 χ^2/NDF: 73745292464.

In: 161101.080+/-0.035 χ^2/NDF:119112262111.7

Out: 161173.345+/-0.032 χ^2/NDF:134720797380.

All: 161139.490+/-0.024 χ^2/NDF: 25383539

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

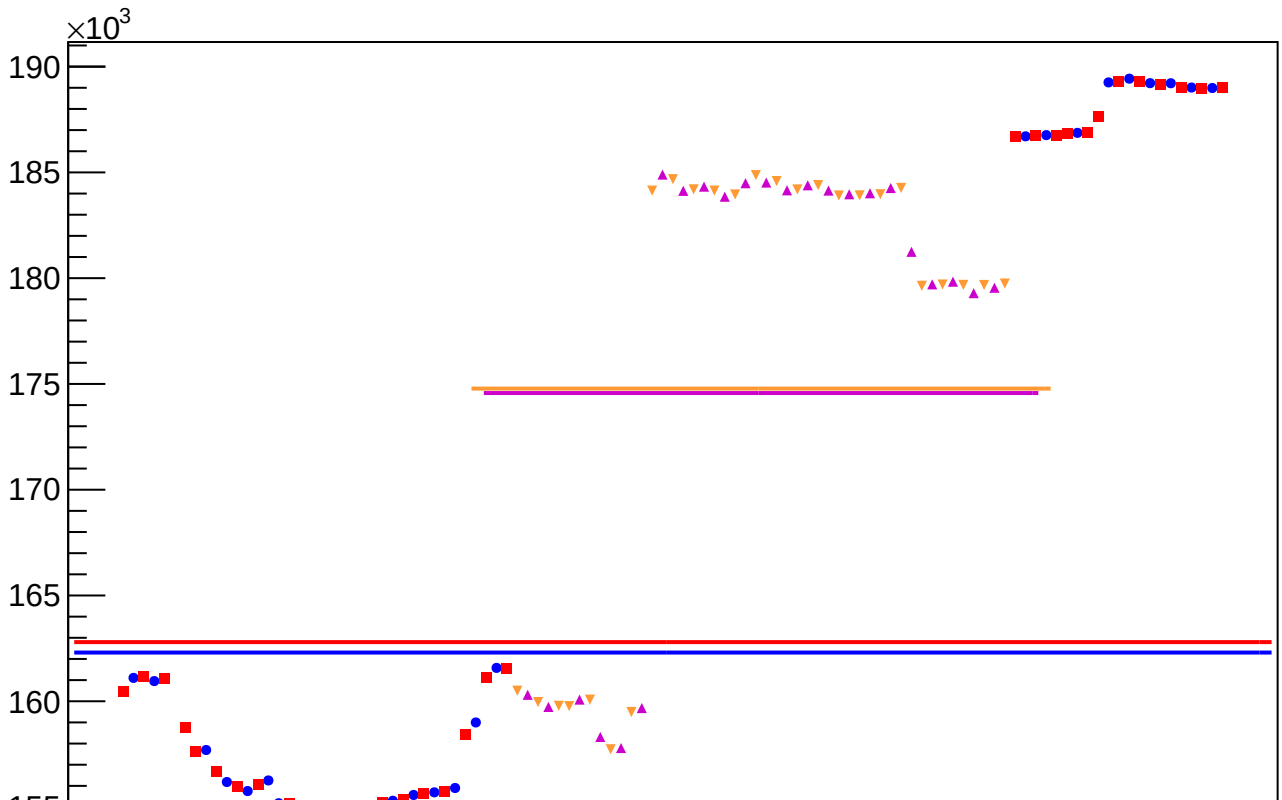
Right: 164.515+/-0.023 χ^2/NDF: 10126474.3/55

In: 185.178+/-0.024 χ^2/NDF:6061264.0/47

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 183.333+/-0.017 χ^2/NDF: 13742490.9/10

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 162302.497+/-0.051 χ^2/NDF: 59266675517.9/24

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162795.750+/-0.048 χ^2/NDF: 72418605275.6/30

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

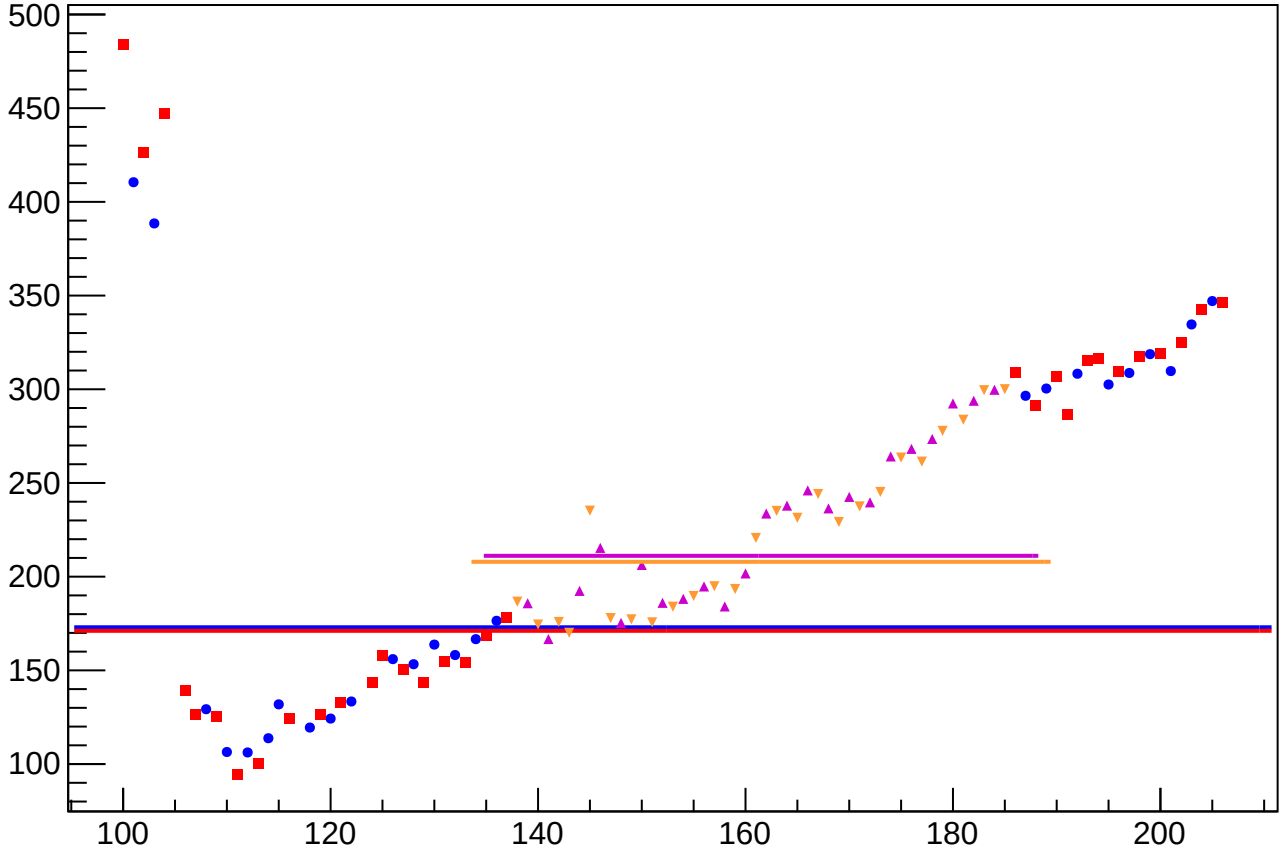
Right: 162568.406+/-0.035 χ^2/NDF: 13173492547

In: 168564.654+/-0.036 χ^2/NDF:143101506691.6

Out: 168703.196+/-0.034 χ^2/NDF:161895508769.

All: 168638.126+/-0.025 χ^2/NDF: 30500488

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 172.987+/-0.036 χ^2/NDF: 4813105.5/24

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 171.110+/-0.034 χ^2/NDF: 6319261.4/30

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

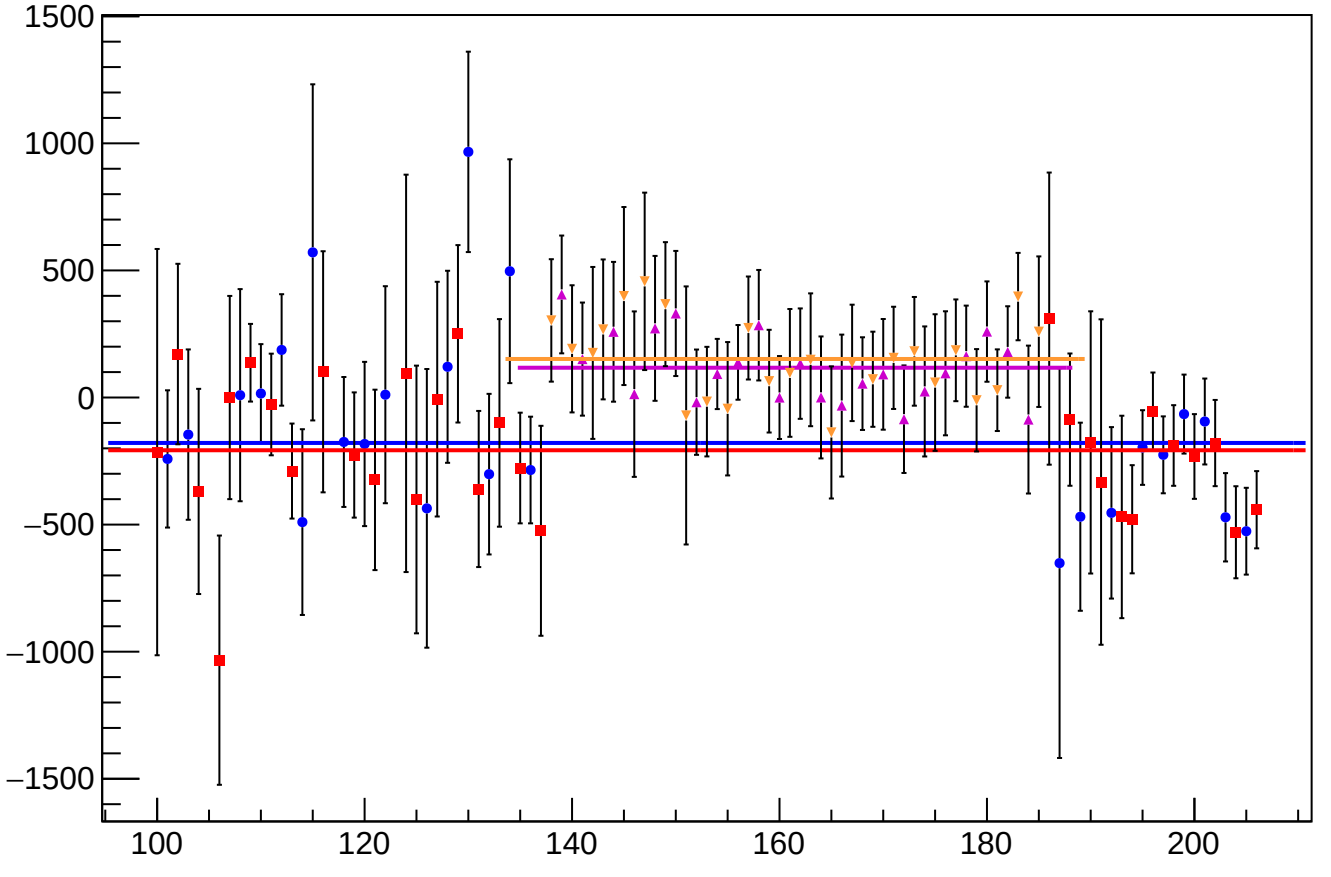
Right: 171.975+/-0.025 χ^2/NDF: 11133805.7/55

In: 192.460+/-0.025 χ^2/NDF:6369128.5/47

Out: 189.263+/-0.024 χ^2/NDF:8043391.1/55

All: 190.764+/-0.017 χ^2/NDF: 14420897.2/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -207.512+/-45.060 χ^2/NDF: 24.0/30

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

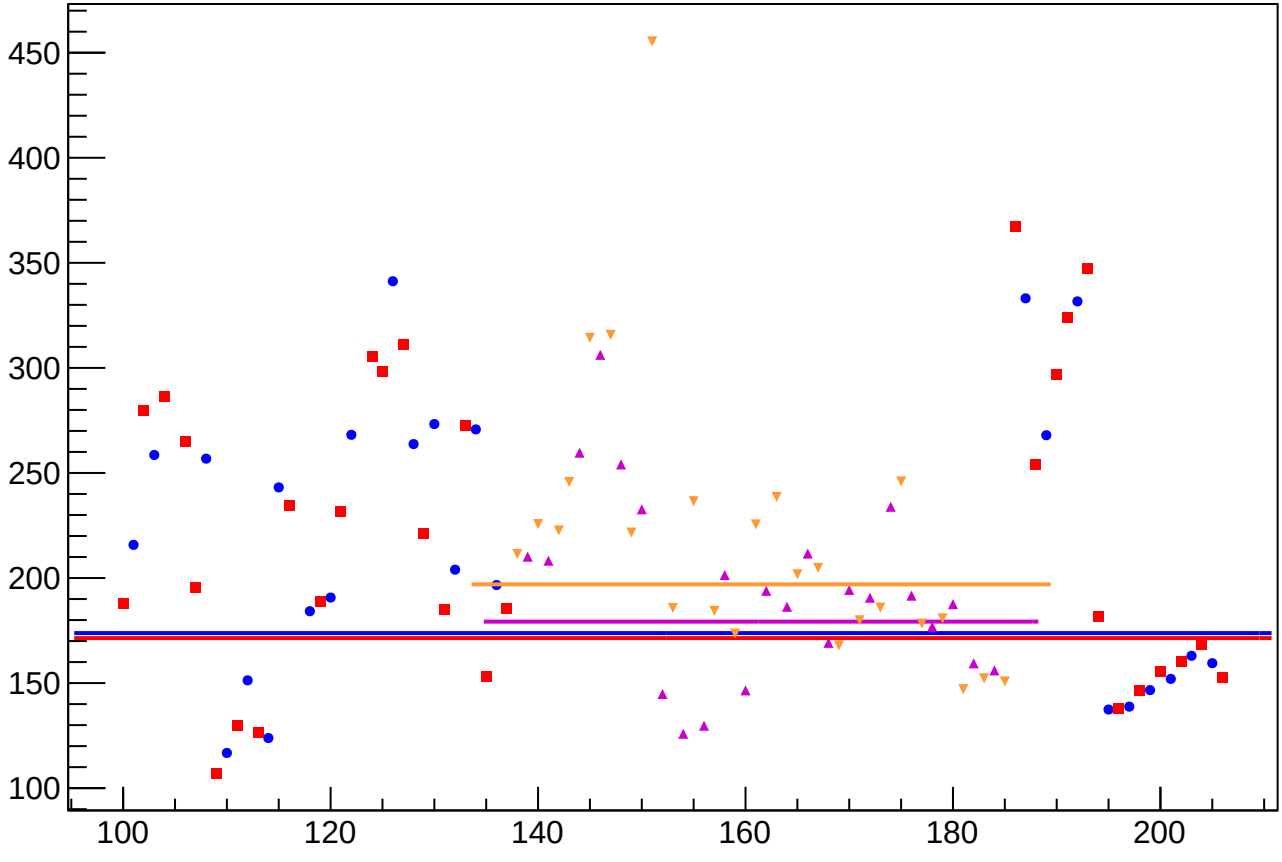
Right: -194.232+/-33.066 χ^2/NDF: 52.0/55

In: -15.164+/-32.549 χ^2/NDF:55.7/47

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -24.288+/-22.939 χ^2/NDF: 120.3/103

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

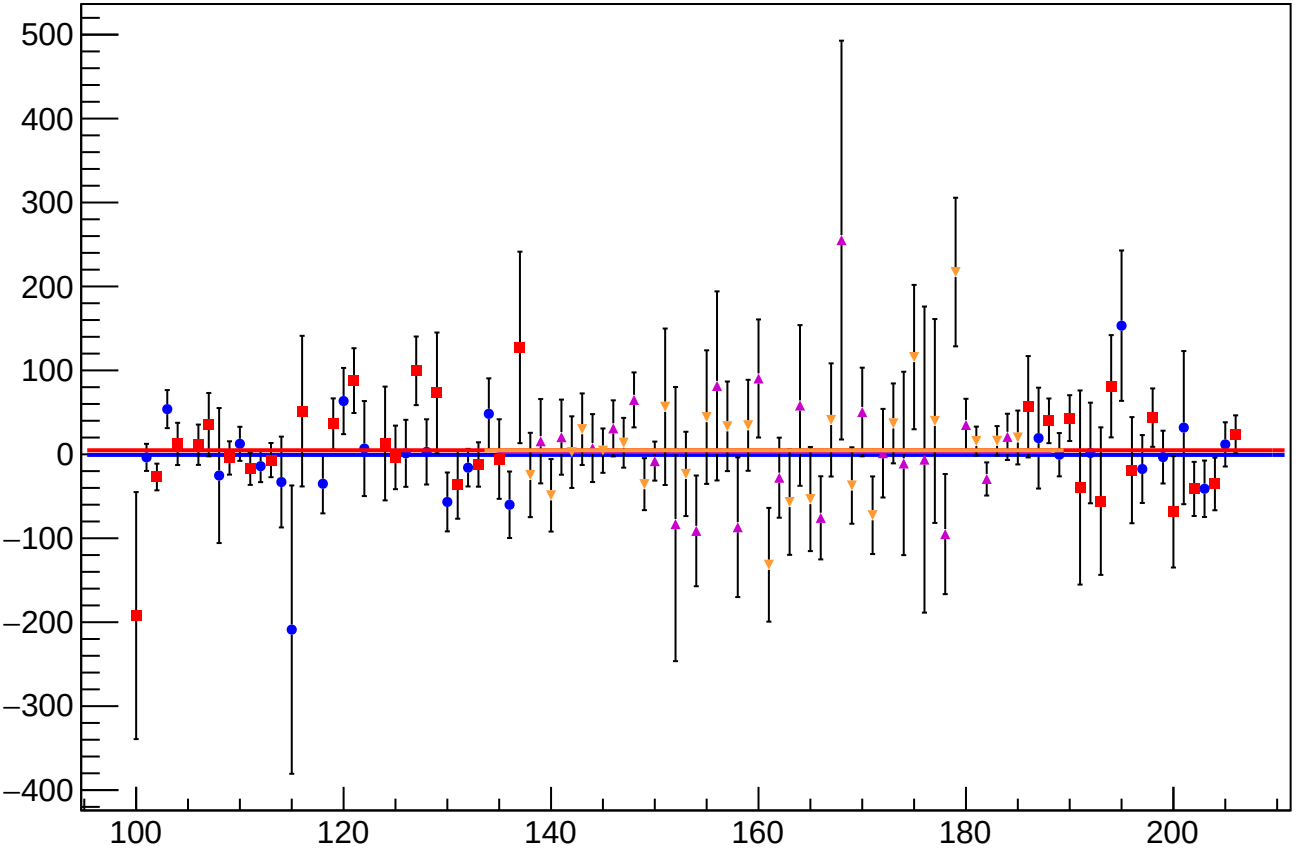
Right: 172.509+/-0.023 χ^2/NDF: 5079964.8/55

In: 176.812+/-0.023 χ^2/NDF:3850655.3/47

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 180.336+/-0.016 χ^2/NDF: 8915565.4/103

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.677+/-6.348 χ^2/NDF: 23.9/24

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 4.872+/-5.718 χ^2/NDF: 37.0/30

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

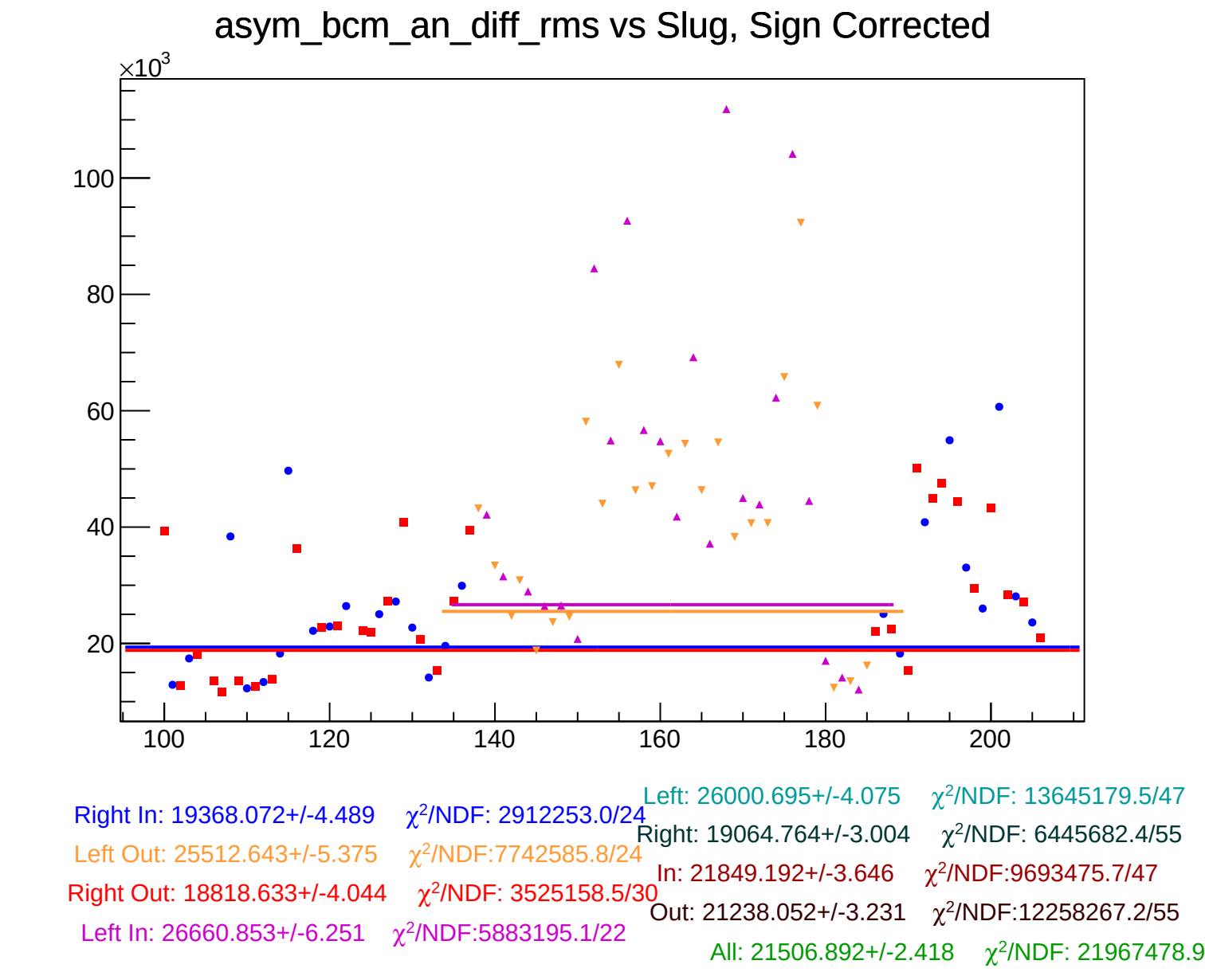
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.386+/-4.249 χ^2/NDF: 61.4/55

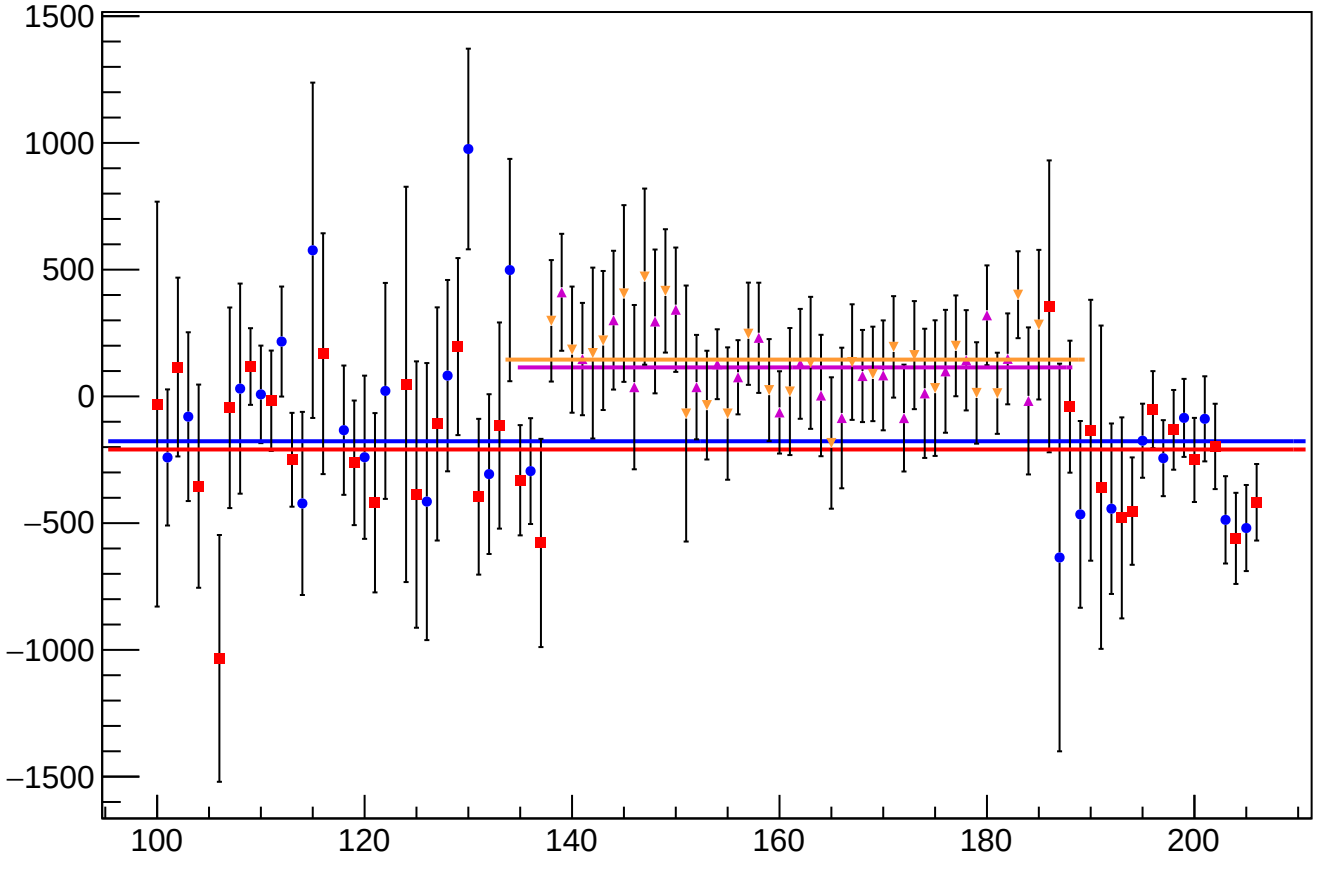
In: 0.547+/-5.156 χ^2/NDF:45.5/47

Out: 4.847+/-4.570 χ^2/NDF:61.4/55

All: 2.955+/-3.420 χ^2/NDF: 107.3/103


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
Right In: 19368.072+/-4.489 χ²/NDF: 2912253.0/24
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 18818.633+/-4.044 χ²/NDF: 3525158.5/30
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 19064.764+/-3.004 χ²/NDF: 6445682.4/55
In: 21849.192+/-3.646 χ²/NDF:9693475.7/47
Out: 21238.052+/-3.231 χ²/NDF:12258267.2/55
All: 21506.892+/-2.418 χ²/NDF: 21967478.9

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -176.925+/-48.351 χ^2/NDF: 28.4/24

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -209.406+/-44.785 χ^2/NDF: 24.3/30

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

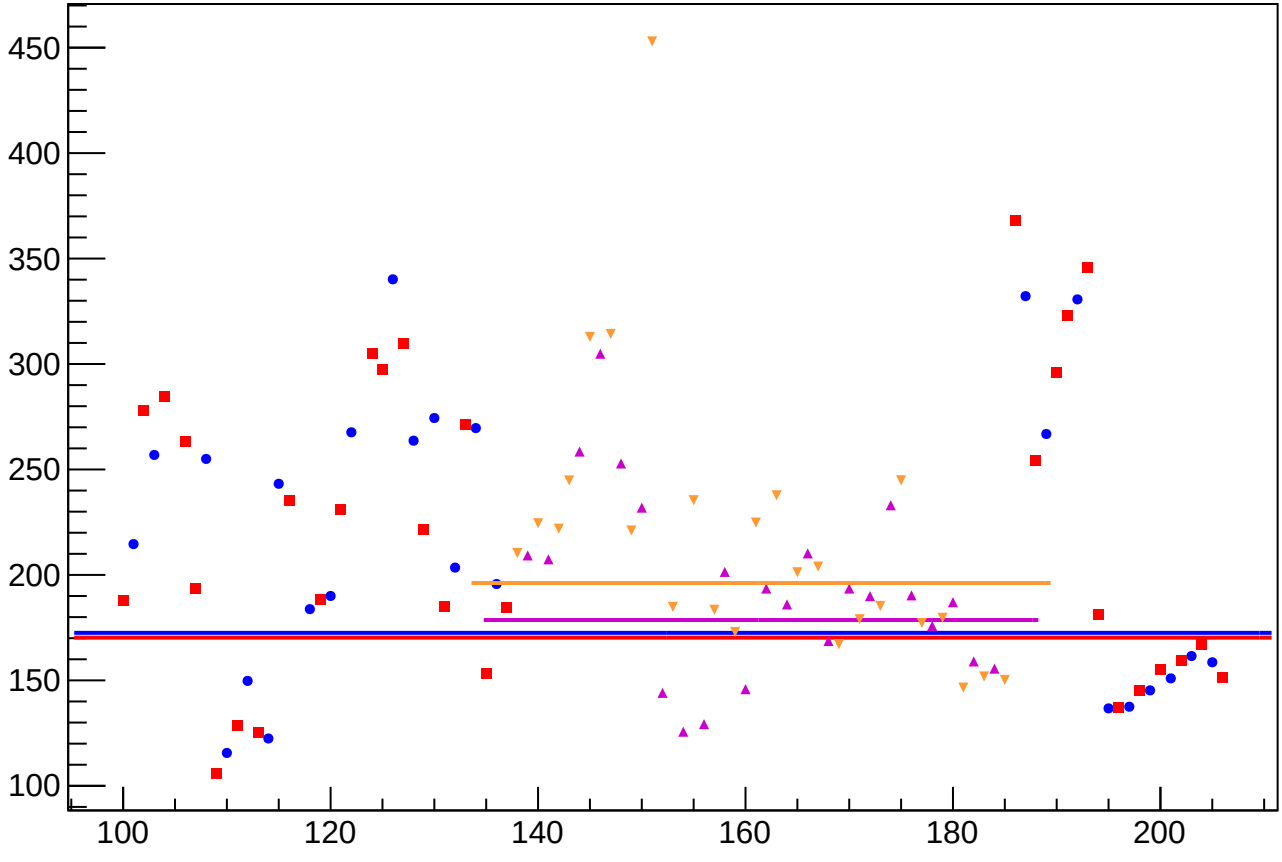
Right: -194.407+/-32.856 χ^2/NDF: 52.9/55

In: -16.315+/-32.387 χ^2/NDF:56.8/47

Out: -37.727+/-32.165 χ^2/NDF:65.8/55

All: -27.095+/-22.822 χ^2/NDF: 122.8/103

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 172.539+/-0.034 χ^2/NDF: 2210970.6/24

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.262+/-0.032 χ^2/NDF: 2933541.7/30

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

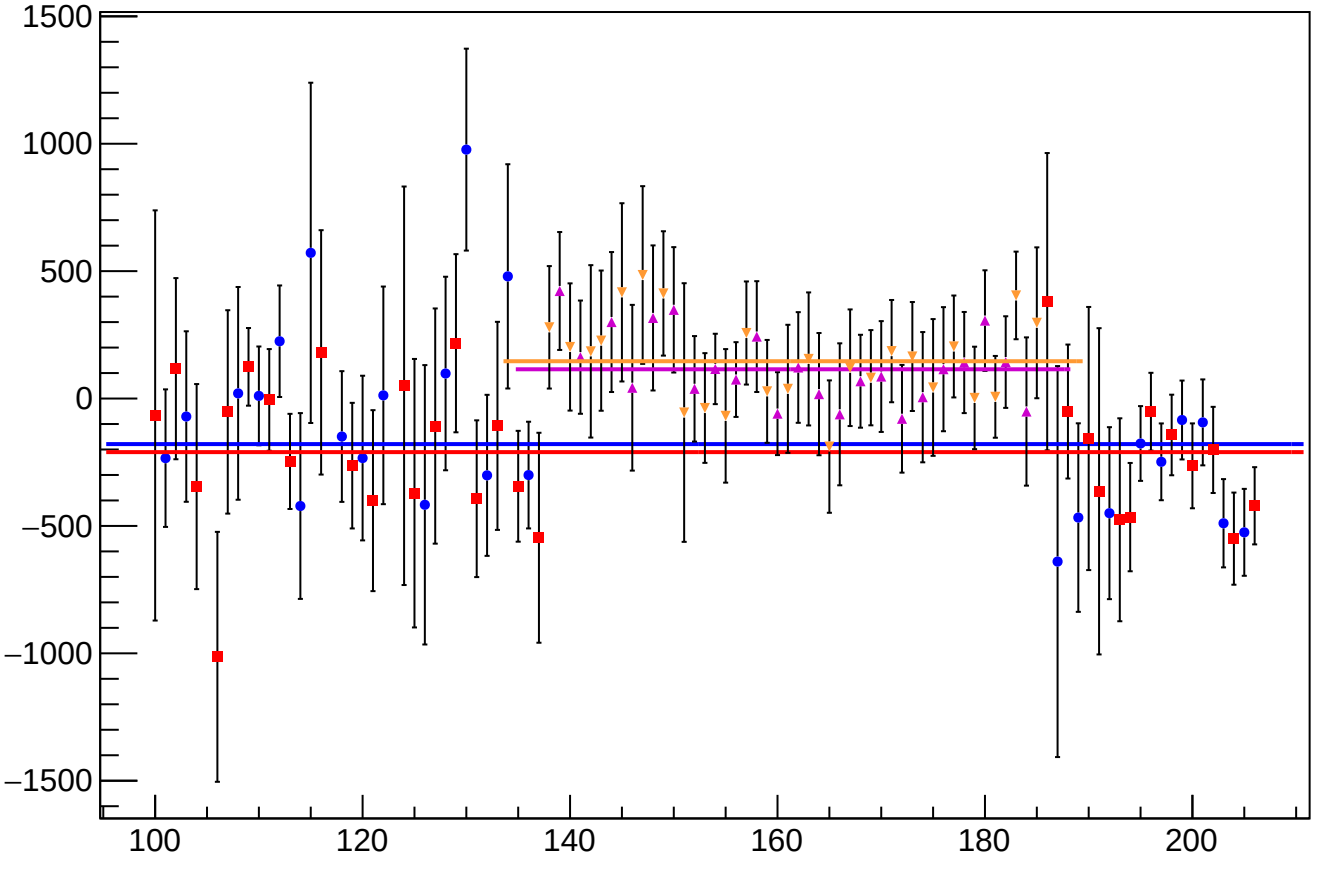
Right: 171.313+/-0.023 χ^2/NDF: 5146899.5/55

In: 175.892+/-0.023 χ^2/NDF:3880290.5/47

Out: 182.804+/-0.023 χ^2/NDF:5064371.4/55

All: 179.372+/-0.016 χ^2/NDF: 8990523.0/103

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -178.813+/-48.599 χ^2/NDF: 28.4/24

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -210.300+/-45.015 χ^2/NDF: 24.1/30

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

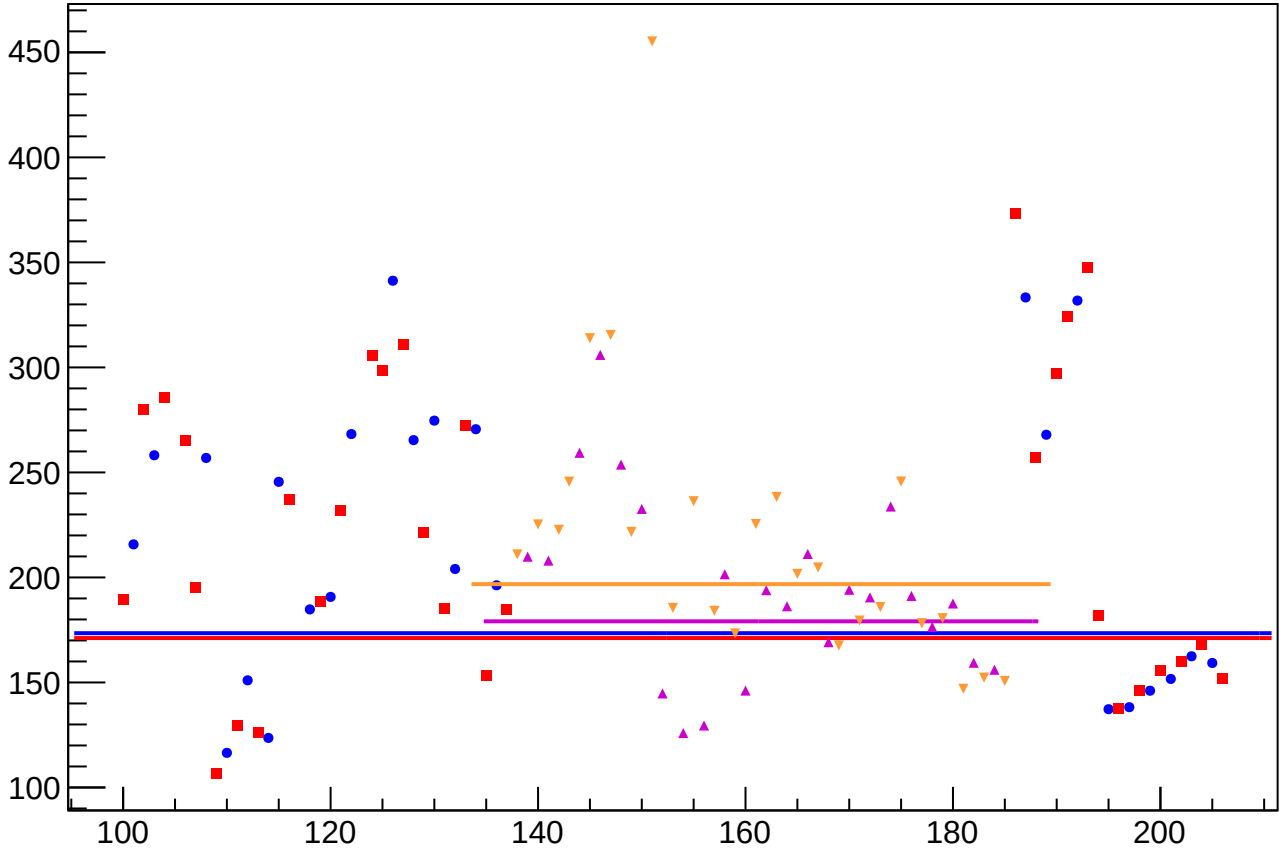
Right: -195.760+/-33.025 χ^2/NDF: 52.8/55

In: -16.597+/-32.512 χ^2/NDF:57.0/47

Out: -37.264+/-32.302 χ^2/NDF:66.0/55

All: -26.997+/-22.915 χ^2/NDF: 123.2/103

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 173.456+/-0.034 χ^2/NDF: 2201299.8/24

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.140+/-0.032 χ^2/NDF: 2930663.9/30

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

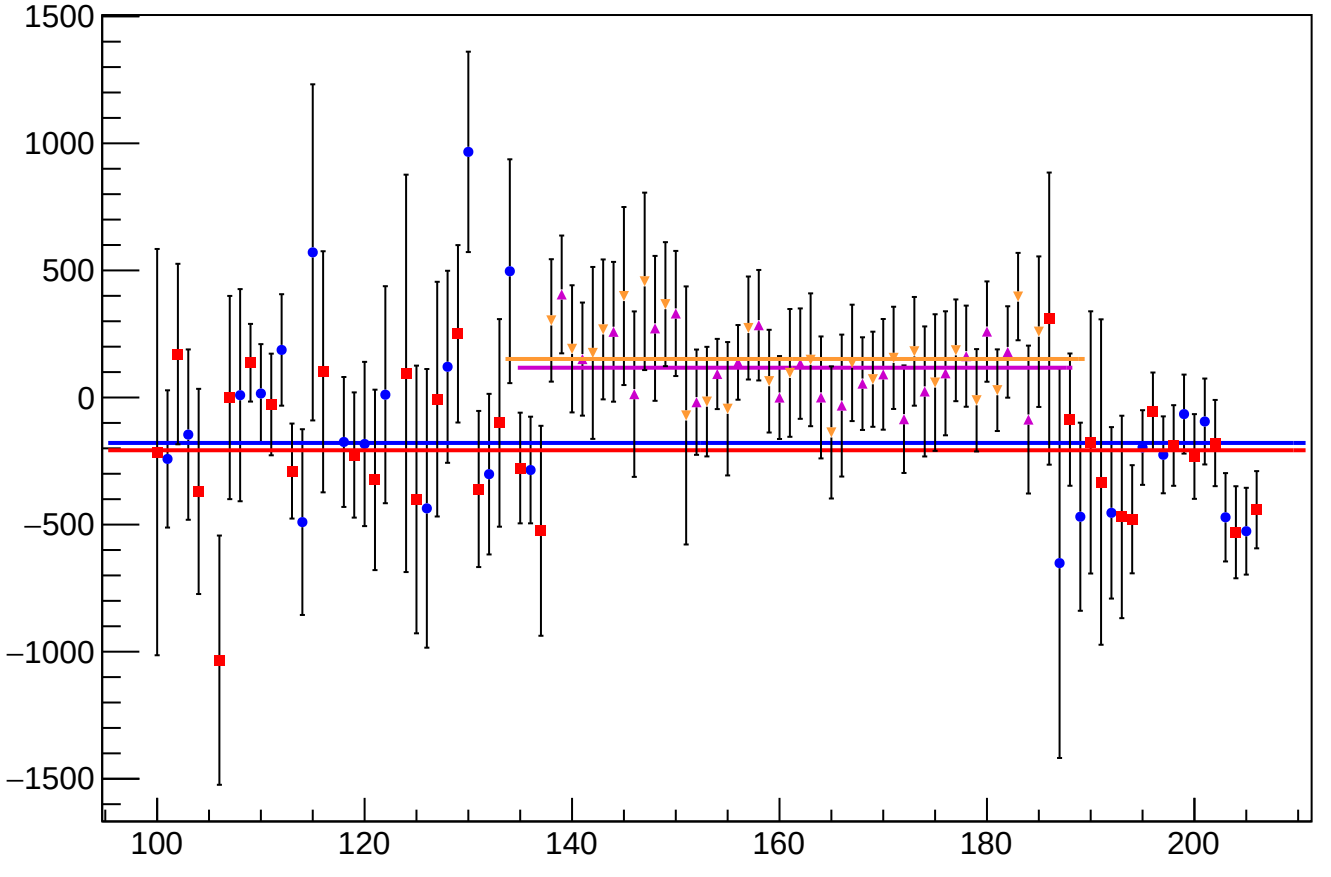
Right: 172.209+/-0.023 χ^2/NDF: 5134406.4/55

In: 176.574+/-0.023 χ^2/NDF:3872075.2/47

Out: 183.590+/-0.023 χ^2/NDF:5054636.0/55

All: 180.105+/-0.016 χ^2/NDF: 8973576.8/103

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -207.512+/-45.060 χ^2/NDF: 24.0/30

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

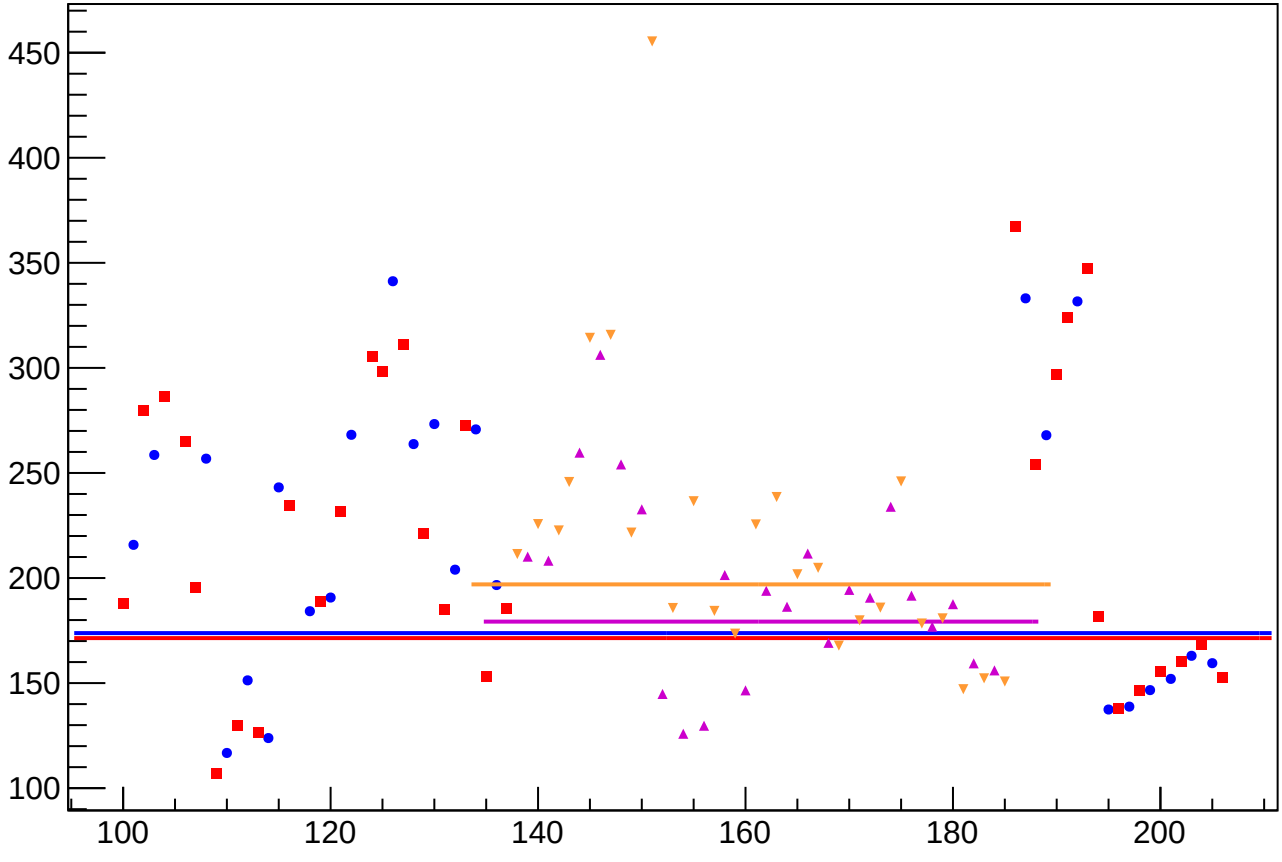
Right: -194.232+/-33.066 χ^2/NDF: 52.0/55

In: -15.164+/-32.549 χ^2/NDF:55.7/47

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -24.288+/-22.939 χ^2/NDF: 120.3/103

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

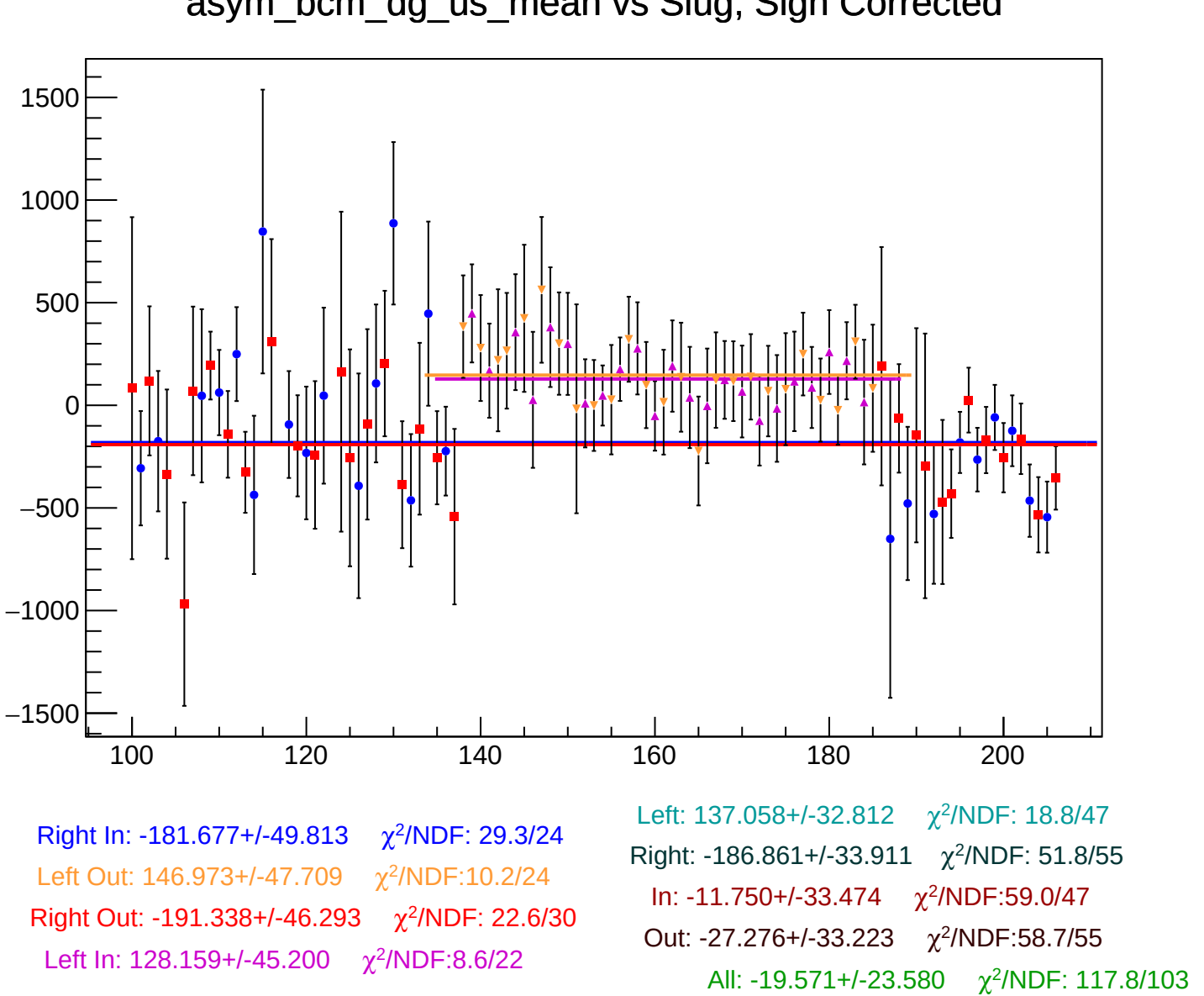
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 172.509+/-0.023 χ^2/NDF: 5079964.8/55

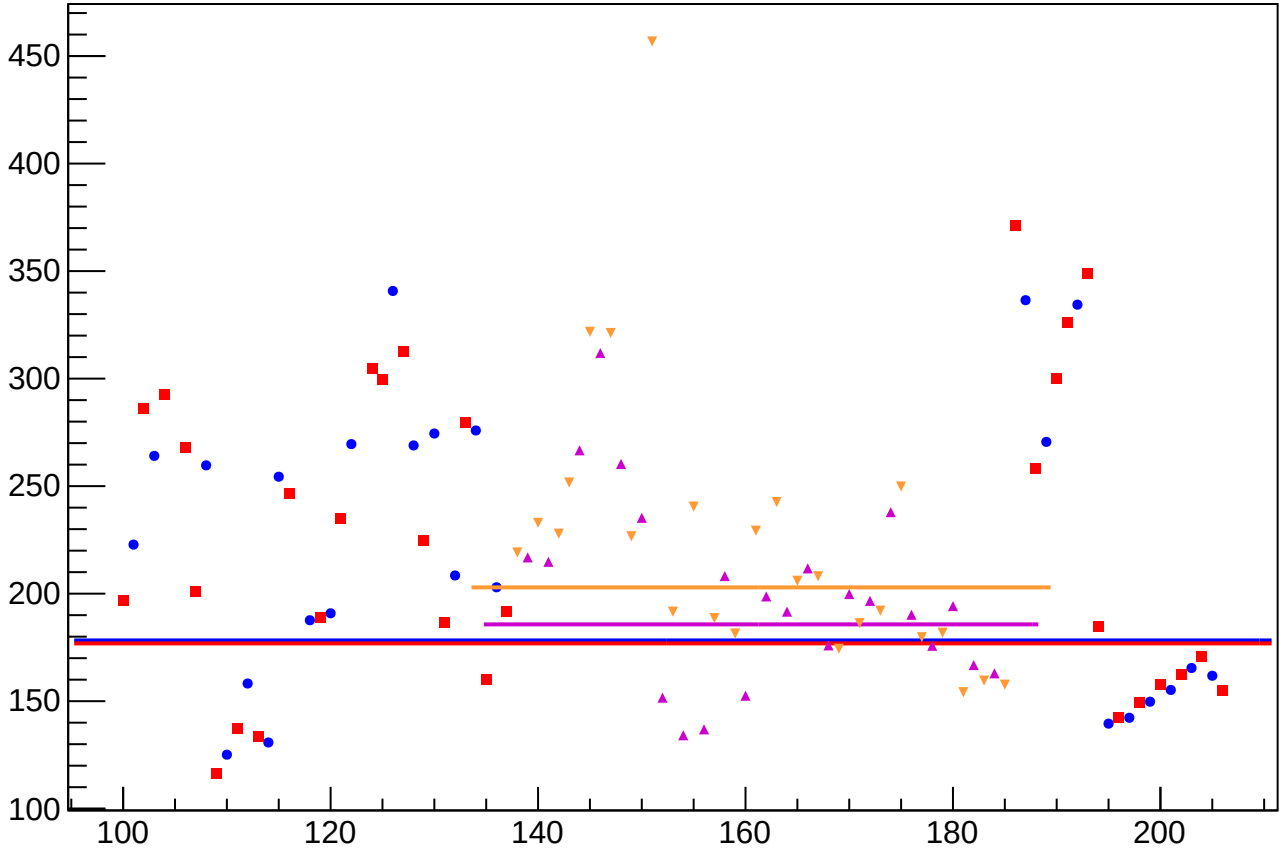
In: 176.812+/-0.023 χ^2/NDF:3850655.3/47

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 180.336+/-0.016 χ^2/NDF: 8915565.4/103


asym_bcm_dg_us_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -181.677+/-49.813 χ²/NDF: 29.3/24
Left Out: 146.973+/-47.709 χ²/NDF:10.2/24
Right Out: -191.338+/-46.293 χ²/NDF: 22.6/30
Left In: 128.159+/-45.200 χ²/NDF:8.6/22
Left: 137.058+/-32.812 χ²/NDF: 18.8/47
Right: -186.861+/-33.911 χ²/NDF: 51.8/55
In: -11.750+/-33.474 χ²/NDF:59.0/47
Out: -27.276+/-33.223 χ²/NDF:58.7/55
All: -19.571+/-23.580 χ²/NDF: 117.8/103

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 178.243+/-0.035 χ^2/NDF: 2090619.6/24

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.870+/-0.033 χ^2/NDF: 2688610.0/30

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

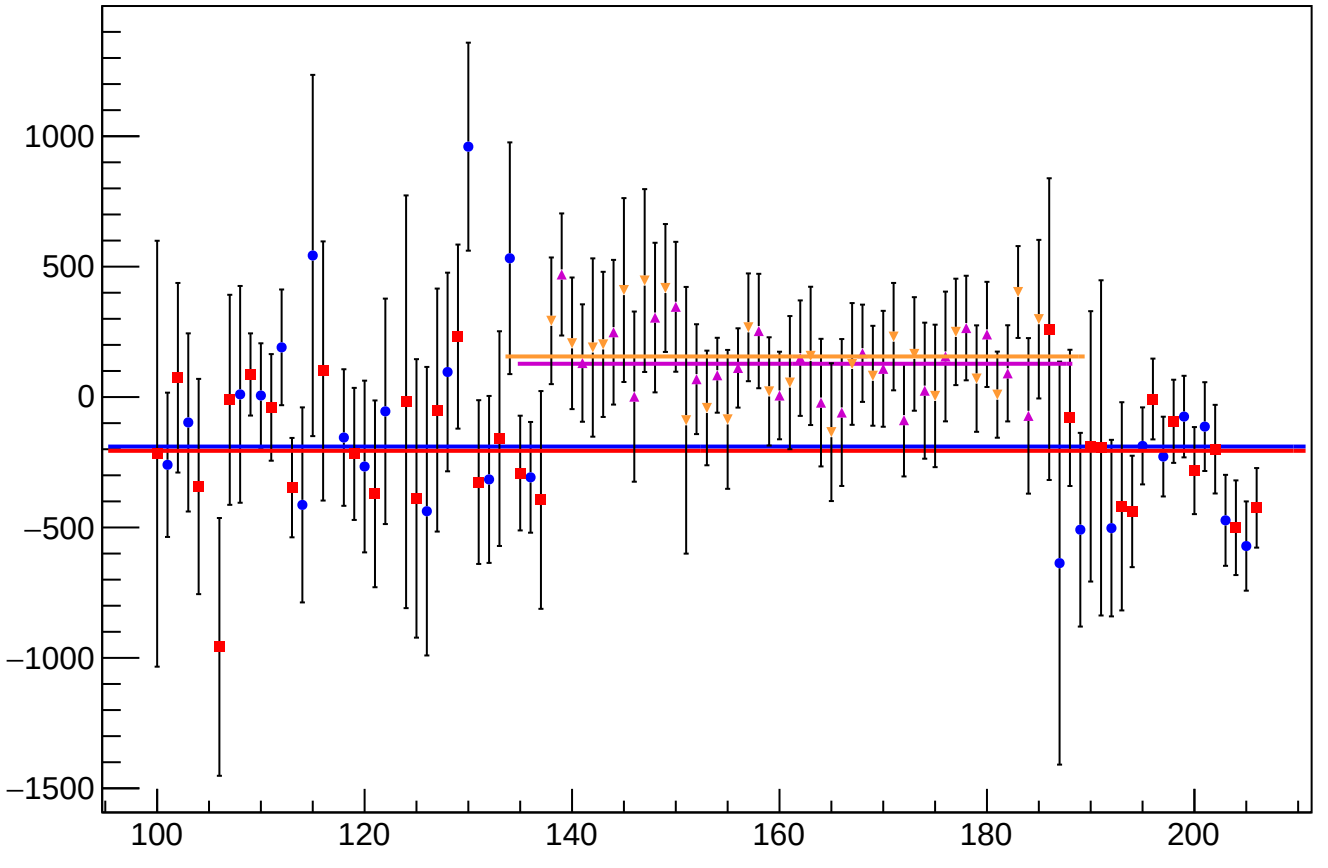
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 177.506+/-0.024 χ^2/NDF: 4780044.4/55

In: 182.341+/-0.024 χ^2/NDF:3604793.7/47

Out: 189.503+/-0.023 χ^2/NDF:4695842.4/55

All: 185.949+/-0.017 χ^2/NDF: 8346754.5/103



Right In: -189.768+/-49.187 χ^2/NDF: 28.4/24

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -206.110+/-45.568 χ^2/NDF: 20.3/30

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

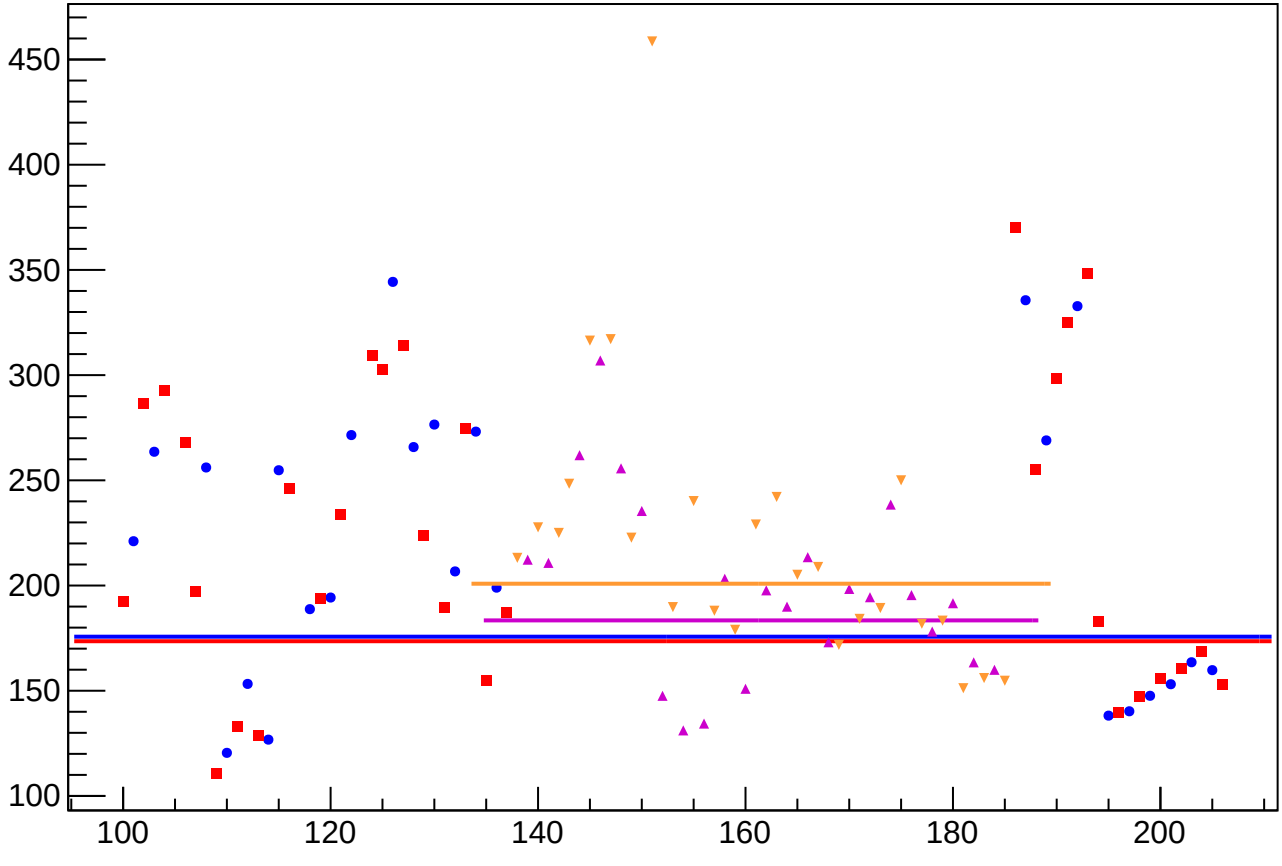
Right: -198.563+/-33.428 χ^2/NDF: 48.7/55

In: -15.911+/-33.080 χ^2/NDF:59.2/47

Out: -31.836+/-32.804 χ^2/NDF:61.3/55

All: -23.940+/-23.293 χ^2/NDF: 120.6/103

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 175.685+/-0.035 χ^2/NDF: 2174857.4/24

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.535+/-0.032 χ^2/NDF: 2860369.5/30

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

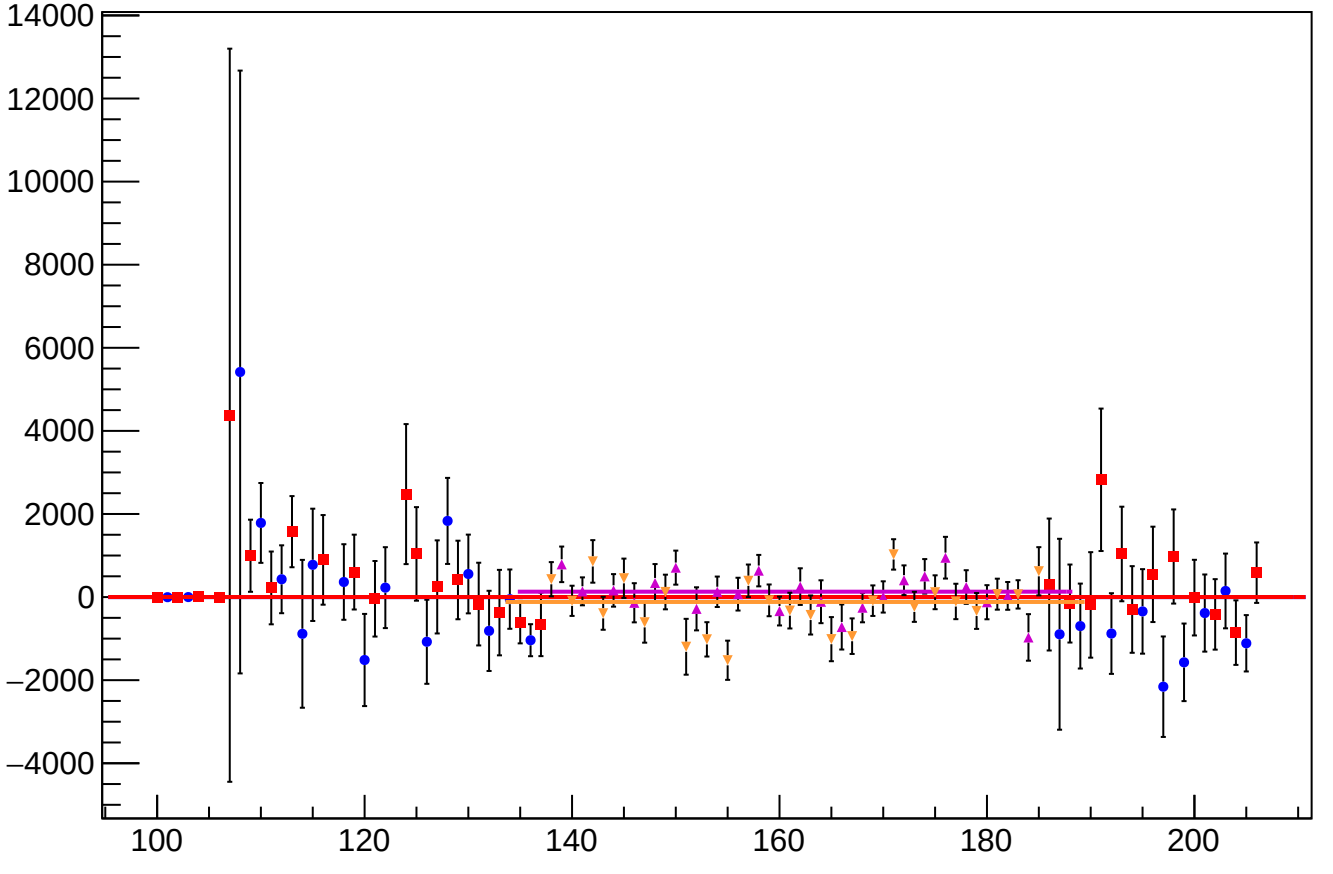
Right: 174.528+/-0.024 χ^2/NDF: 5037284.4/55

In: 179.929+/-0.023 χ^2/NDF:3732717.1/47

Out: 186.701+/-0.023 χ^2/NDF:4934355.7/55

All: 183.343+/-0.016 χ^2/NDF: 8709330.3/103

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.277+/-2.171 χ^2/NDF: 30.3/24

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.384+/-2.022 χ^2/NDF: 23.6/30

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

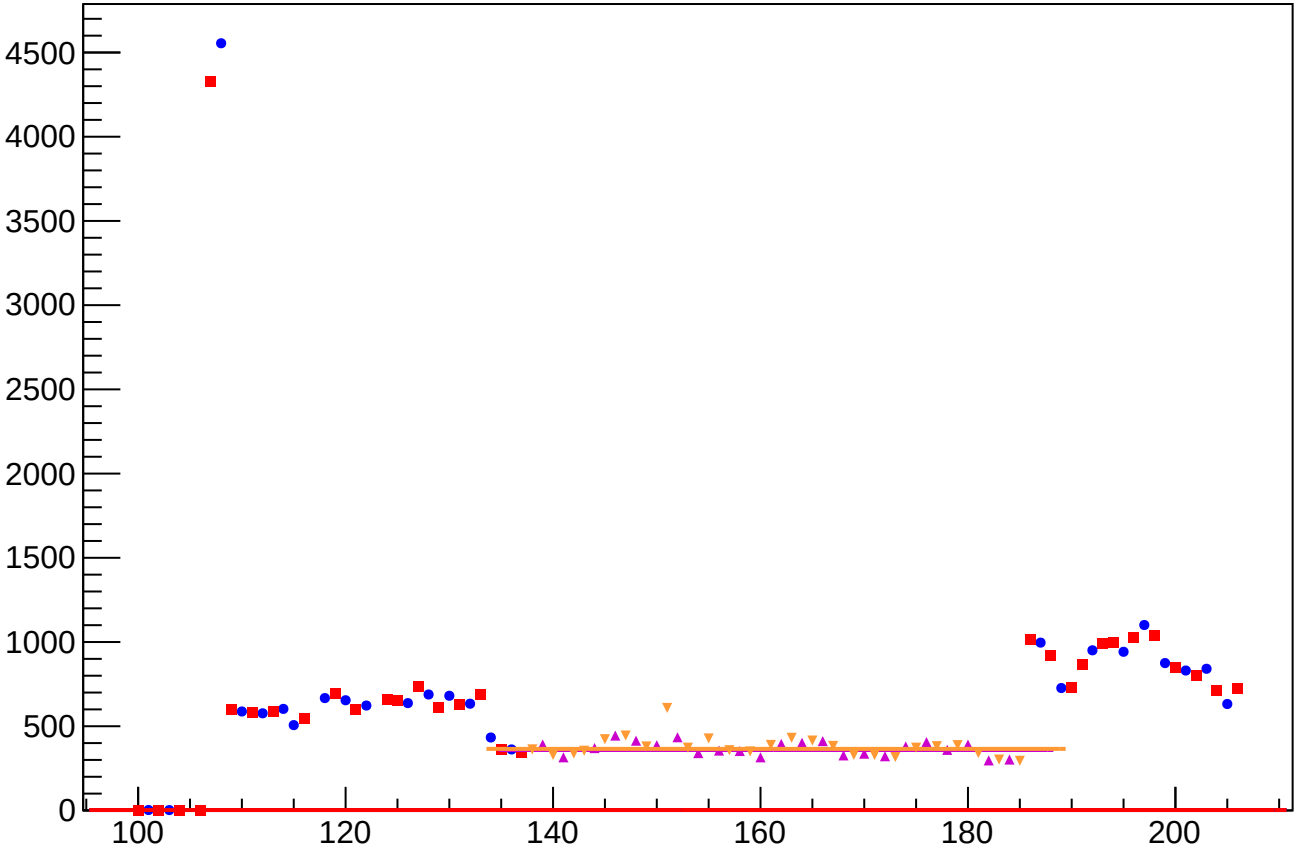
Right: 0.148+/-1.480 χ^2/NDF: 54.8/55

In: -1.192+/-2.170 χ^2/NDF:54.4/47

Out: 1.315+/-2.022 χ^2/NDF:72.0/55

All: 0.150+/-1.479 χ^2/NDF: 127.1/103

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.514+/-0.002 χ^2/NDF: 25069500.1/24

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.504+/-0.001 χ^2/NDF: 29159844.7/30

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

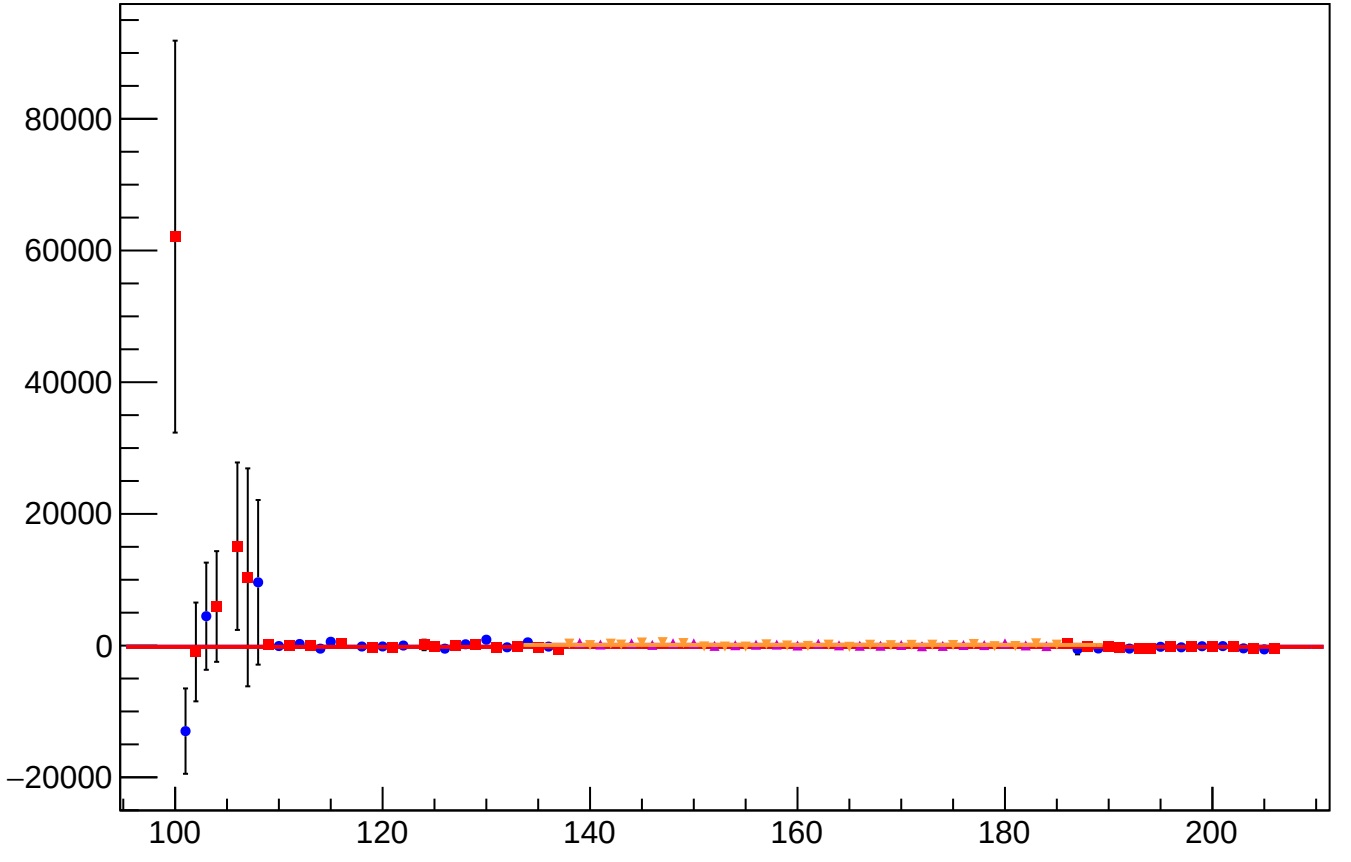
Right: 2.508+/-0.001 χ^2/NDF: 54229369.5/55

In: 2.746+/-0.002 χ^2/NDF:60614388.0/47

Out: 2.713+/-0.001 χ^2/NDF:66992541.9/55

All: 2.728+/-0.001 χ^2/NDF: 127607178.7/103

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -170.275+/-53.985 χ^2/NDF: 29.5/24

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -190.865+/-50.605 χ^2/NDF: 24.8/30

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

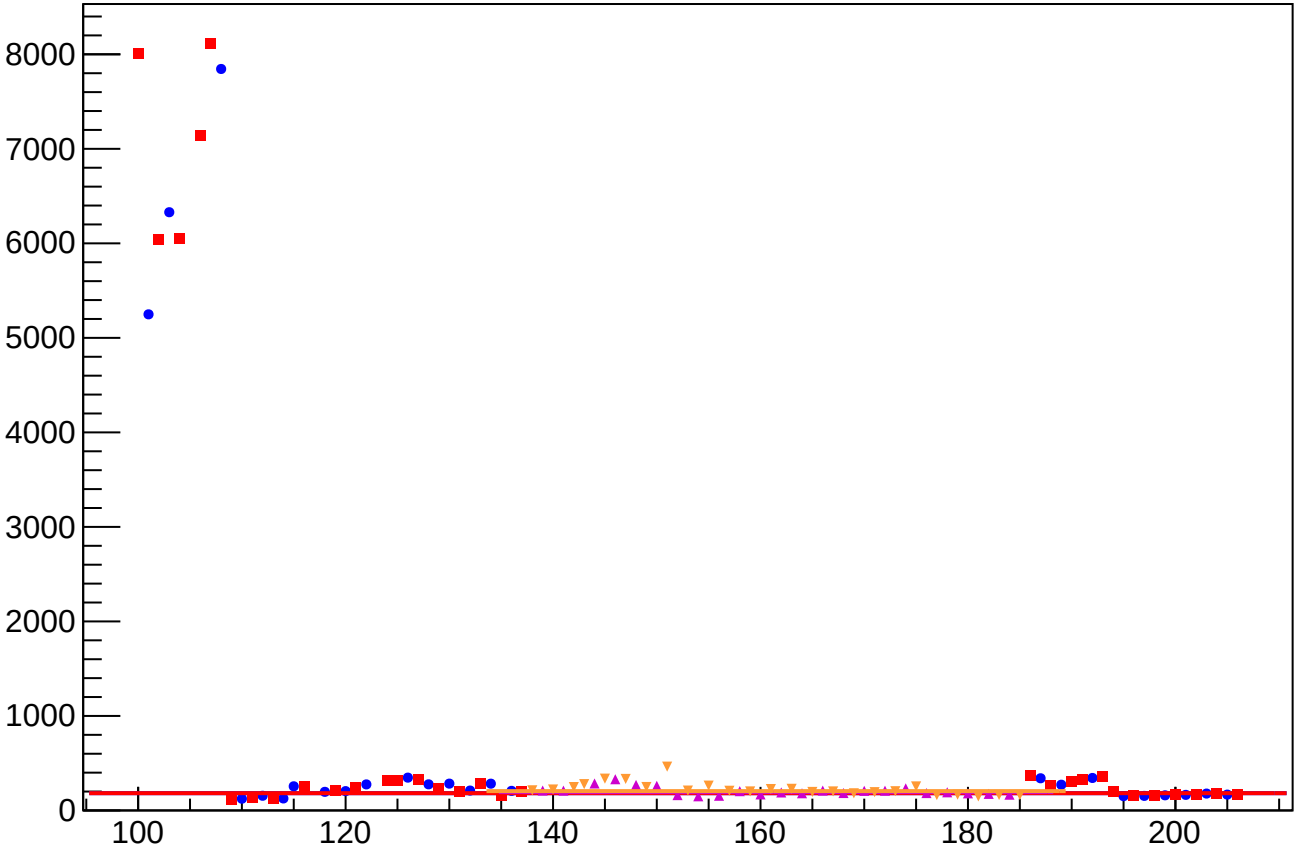
Right: -181.234+/-36.920 χ^2/NDF: 54.4/55

In: -5.398+/-35.430 χ^2/NDF:55.2/47

Out: -38.716+/-34.921 χ^2/NDF:54.8/55

All: -22.298+/-24.871 χ^2/NDF: 110.4/103

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 182.855+/-0.038 χ^2/NDF: 4835415.5/24

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.752+/-0.036 χ^2/NDF: 5526101.0/30

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

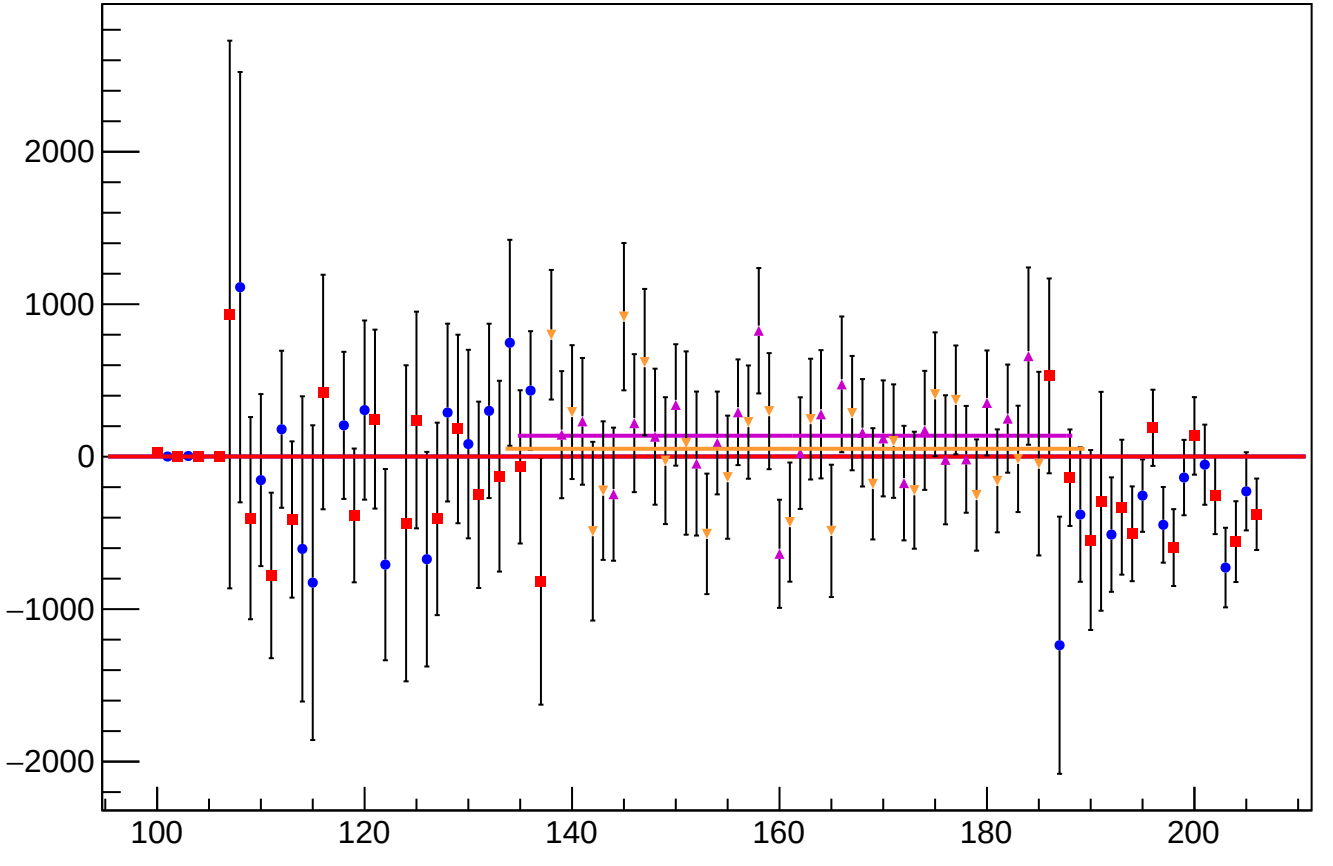
Right: 182.800+/-0.026 χ^2/NDF: 10361520.3/55

In: 189.140+/-0.025 χ^2/NDF:6074626.0/47

Out: 194.186+/-0.025 χ^2/NDF:7696149.2/55

All: 191.700+/-0.018 χ^2/NDF: 13791356.1/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.355+/-1.660 χ^2/NDF: 26.0/24

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.018+/-1.528 χ^2/NDF: 28.8/30

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

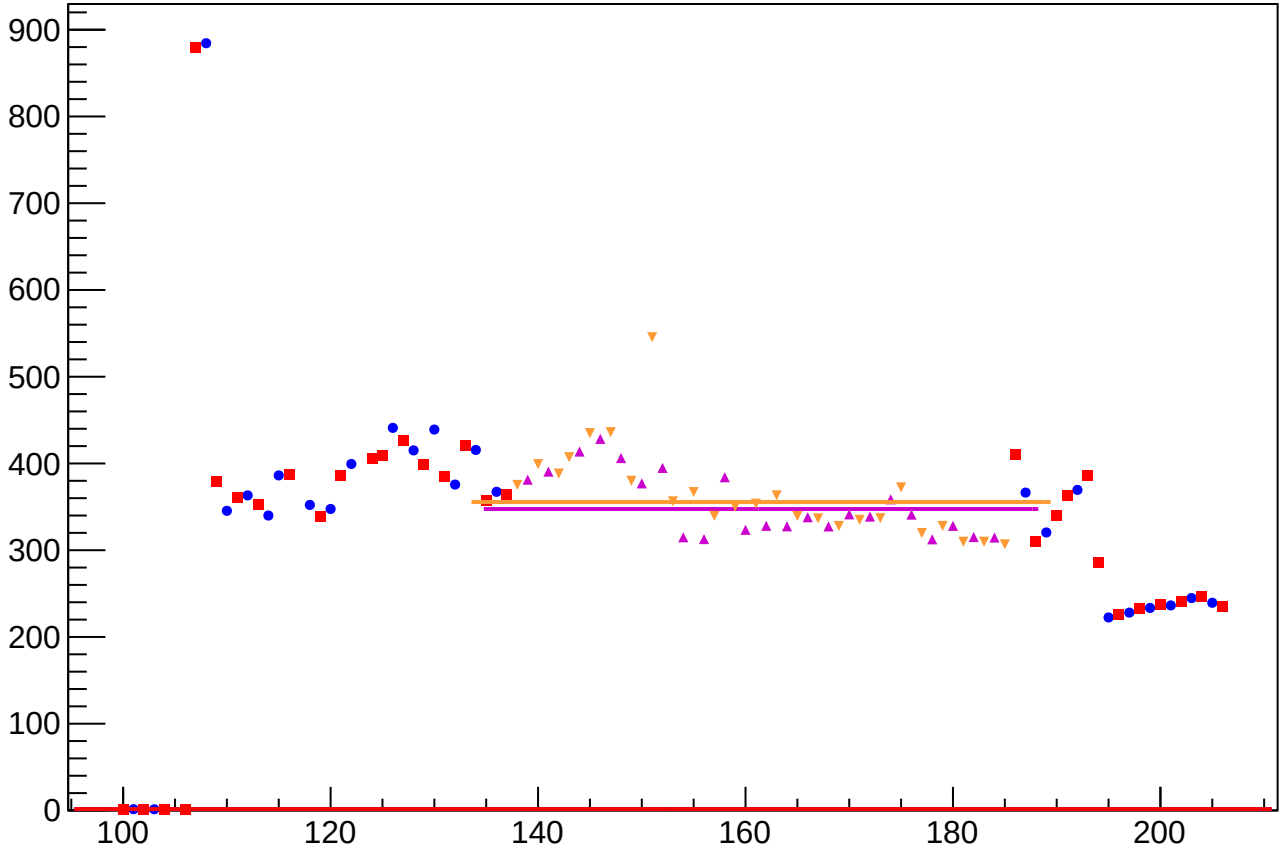
Right: 1.173+/-1.124 χ^2/NDF: 54.8/55

In: 1.411+/-1.660 χ^2/NDF:40.9/47

Out: 1.036+/-1.527 χ^2/NDF:48.6/55

All: 1.208+/-1.124 χ^2/NDF: 89.6/103

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.544+/-0.001 χ^2/NDF: 25292522.1/24

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.544+/-0.001 χ^2/NDF: 28839952.2/30

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

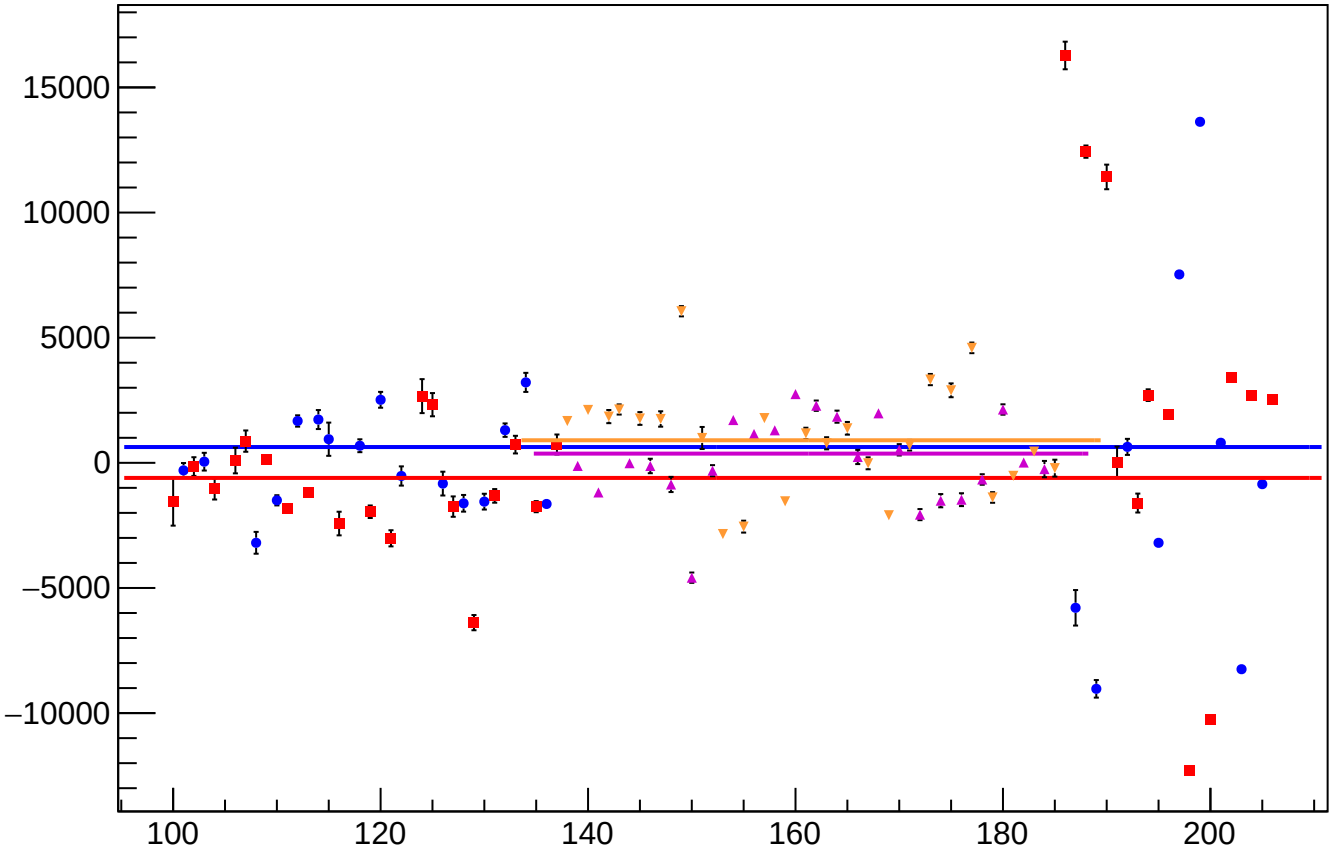
Right: 1.544+/-0.001 χ^2/NDF: 54132474.4/55

In: 1.685+/-0.001 χ^2/NDF:61122677.8/47

Out: 1.668+/-0.001 χ^2/NDF:67035863.3/55

All: 1.676+/-0.001 χ^2/NDF: 128158653.6/103

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 631.217+/-50.956 χ^2/NDF: 11334.6/24

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -602.989+/-47.111 χ^2/NDF: 13728.0/30

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

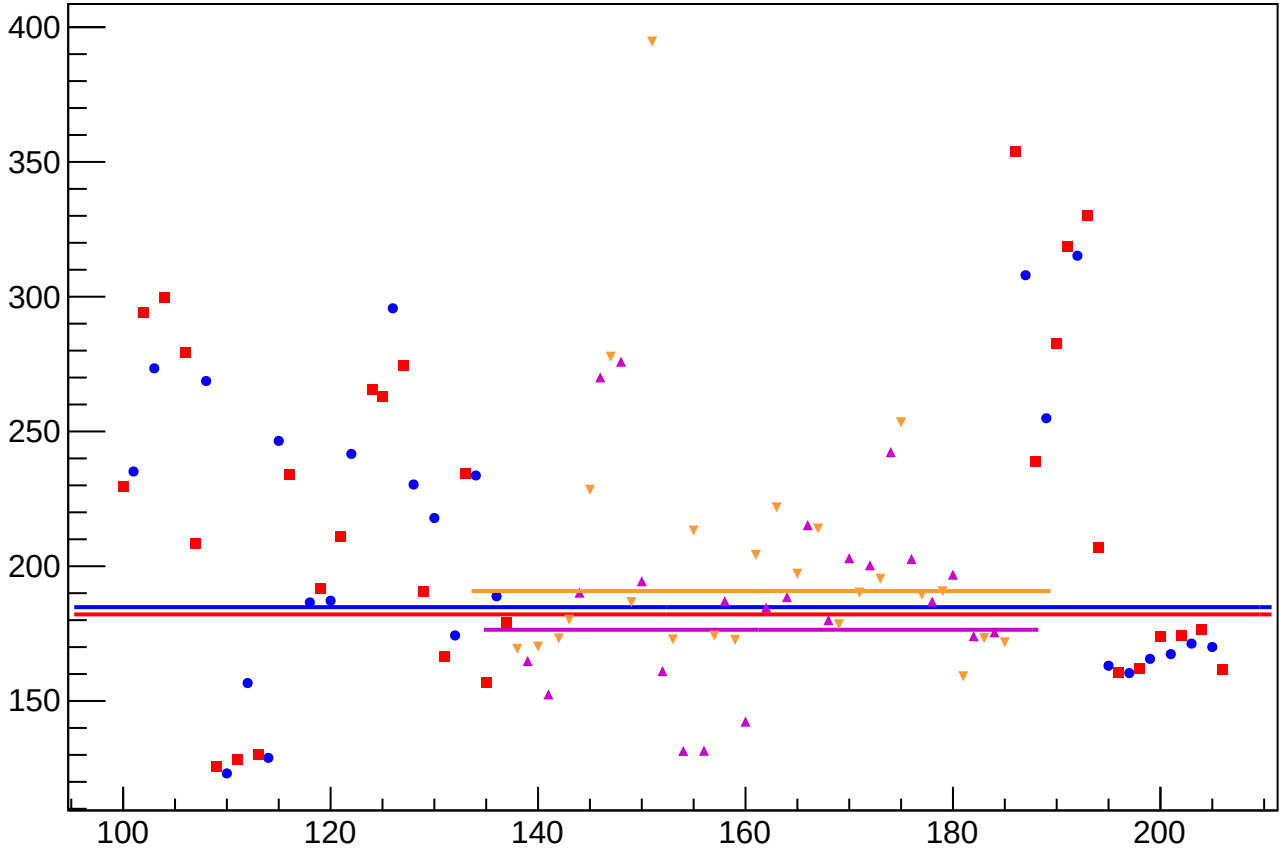
Right: -34.205+/-34.592 χ^2/NDF: 25378.9/55

In: 476.731+/-32.728 χ^2/NDF:12943.3/47

Out: 192.403+/-32.343 χ^2/NDF:16678.1/55

All: 332.883+/-23.005 χ^2/NDF: 29659.5/103

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 184.813+/-0.036 χ^2/NDF: 1387847.7/24

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.123+/-0.033 χ^2/NDF: 2140967.1/30

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

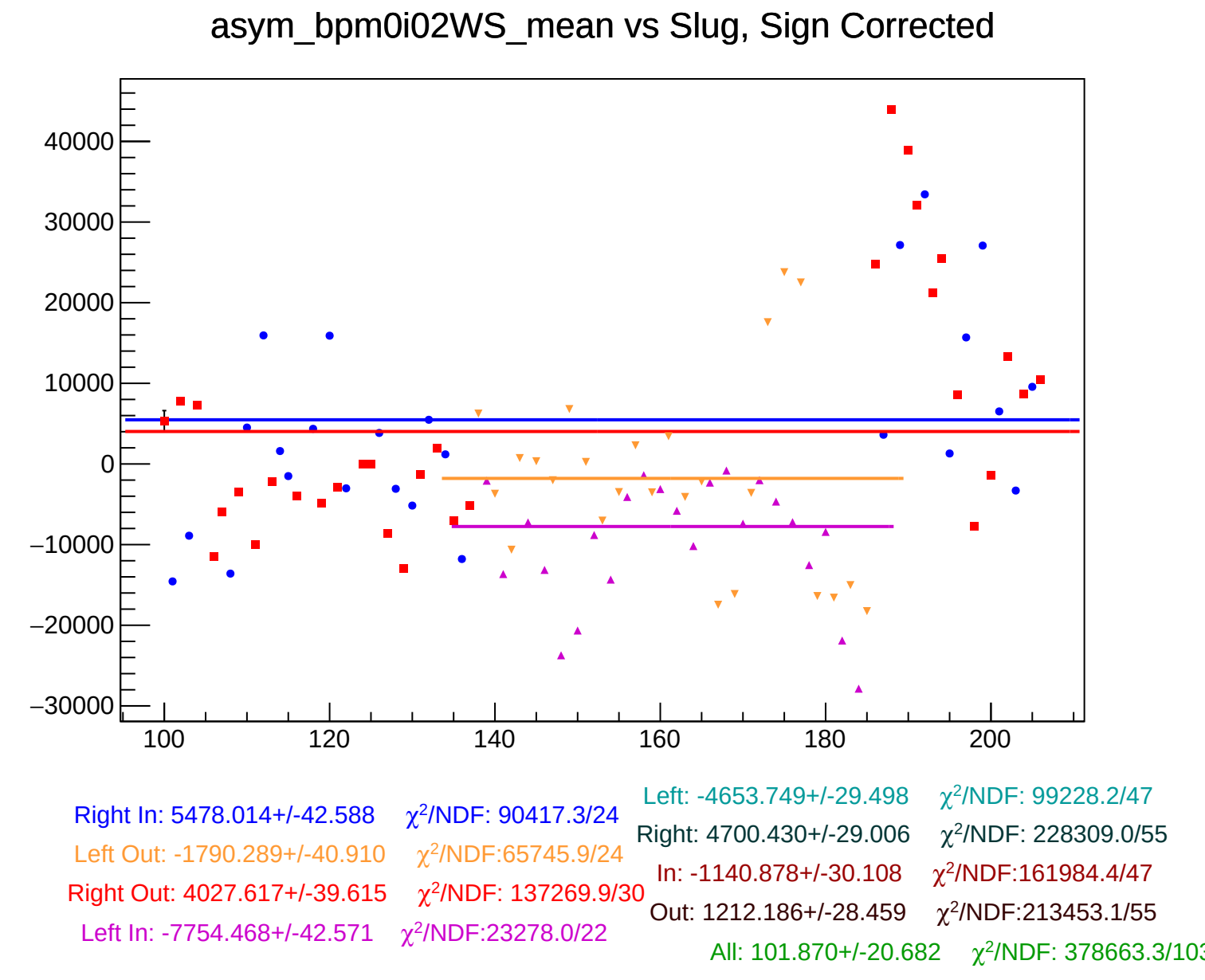
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 183.363+/-0.024 χ^2/NDF: 3531820.6/55

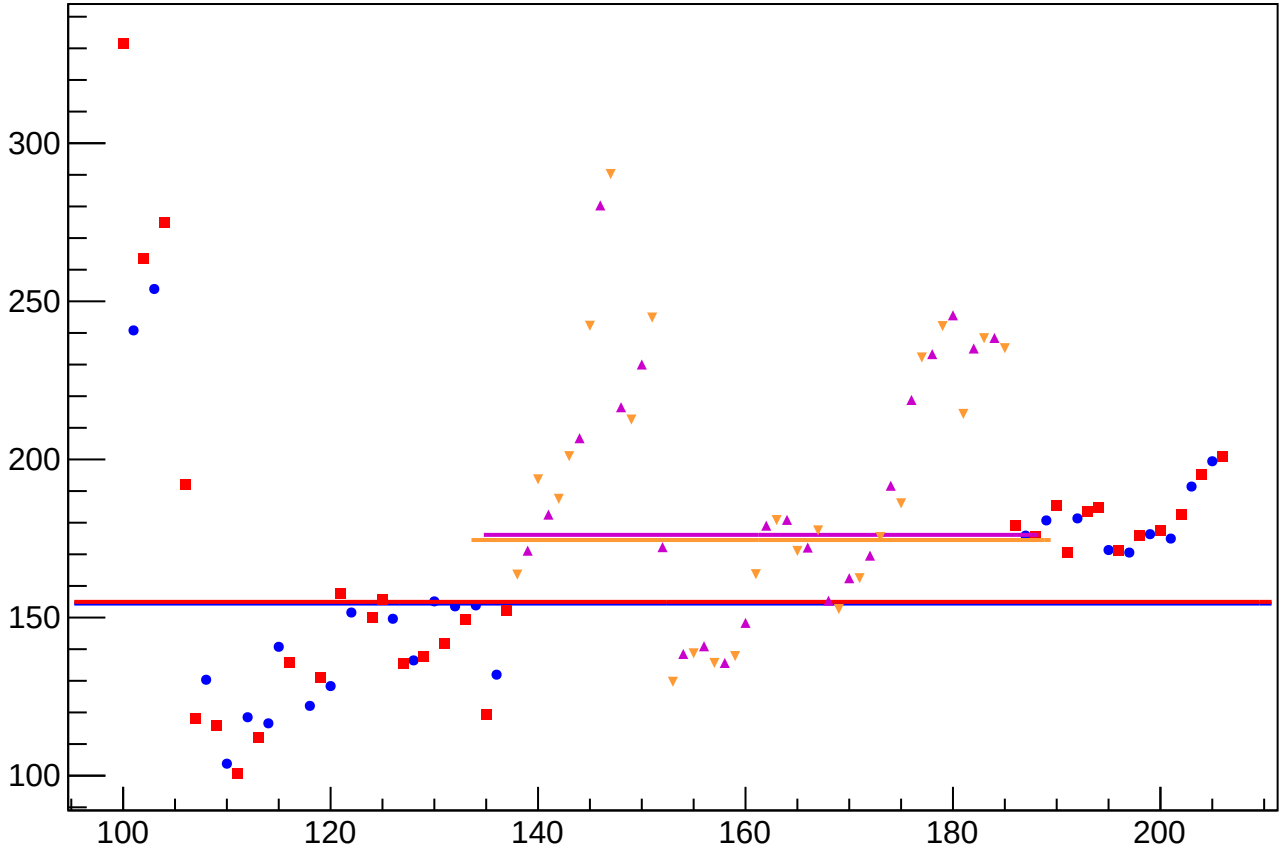
In: 179.889+/-0.023 χ^2/NDF:2677301.0/47

Out: 186.711+/-0.023 χ^2/NDF:3196444.0/55

All: 183.340+/-0.016 χ^2/NDF: 5917707.0/103


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 5478.014+/-42.588 χ²/NDF: 90417.3/24
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 4027.617+/-39.615 χ²/NDF: 137269.9/30
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 4700.430+/-29.006 χ²/NDF: 228309.0/55
In: -1140.878+/-30.108 χ²/NDF:161984.4/47
Out: 1212.186+/-28.459 χ²/NDF:213453.1/55
All: 101.870+/-20.682 χ²/NDF: 378663.3/103

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

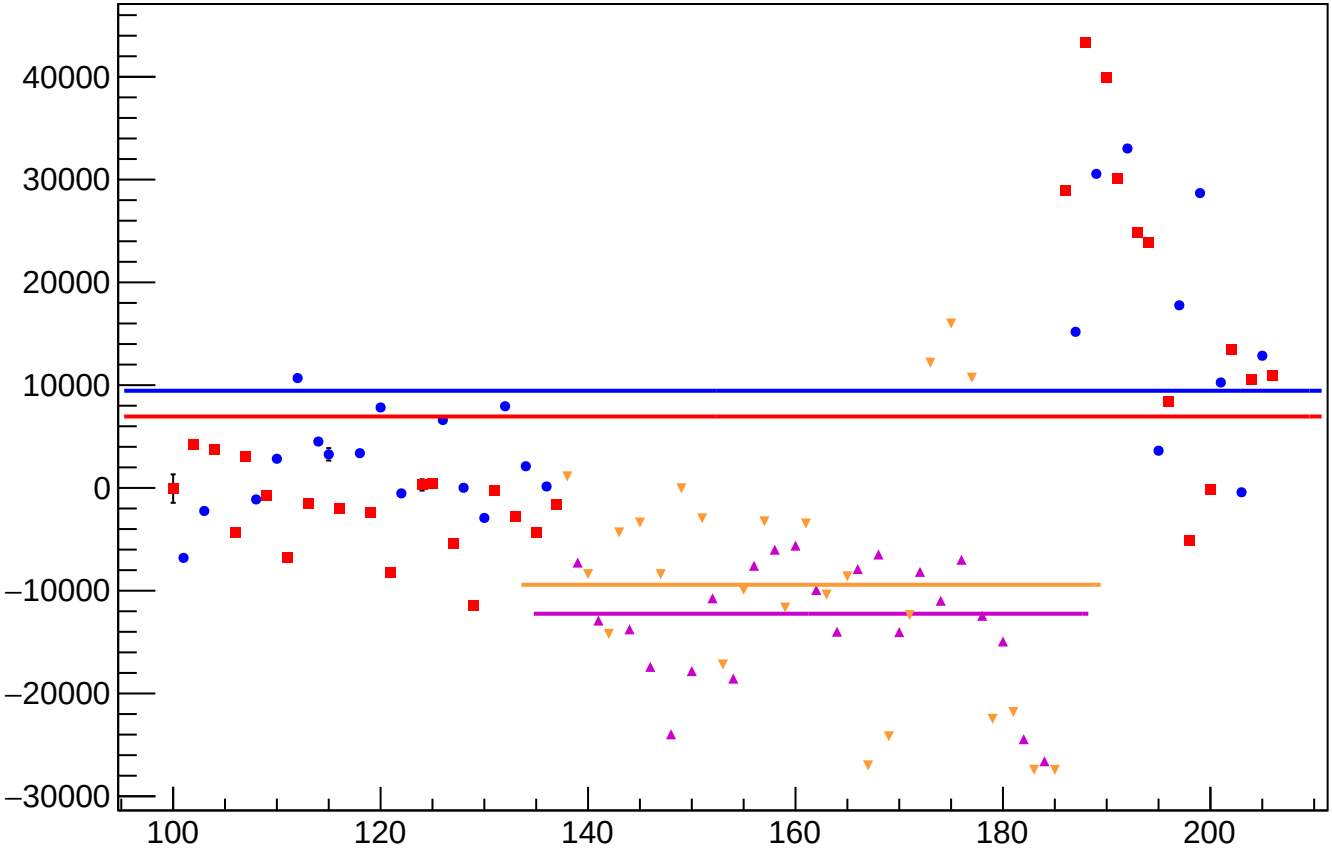
Right: 154.719+/-0.021 χ^2/NDF: 2743482.5/55

In: 165.297+/-0.021 χ^2/NDF:2759635.0/47

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 164.839+/-0.015 χ^2/NDF: 6266794.3/103

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6950.226+/-44.320 χ^2/NDF: 105809.8/30

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

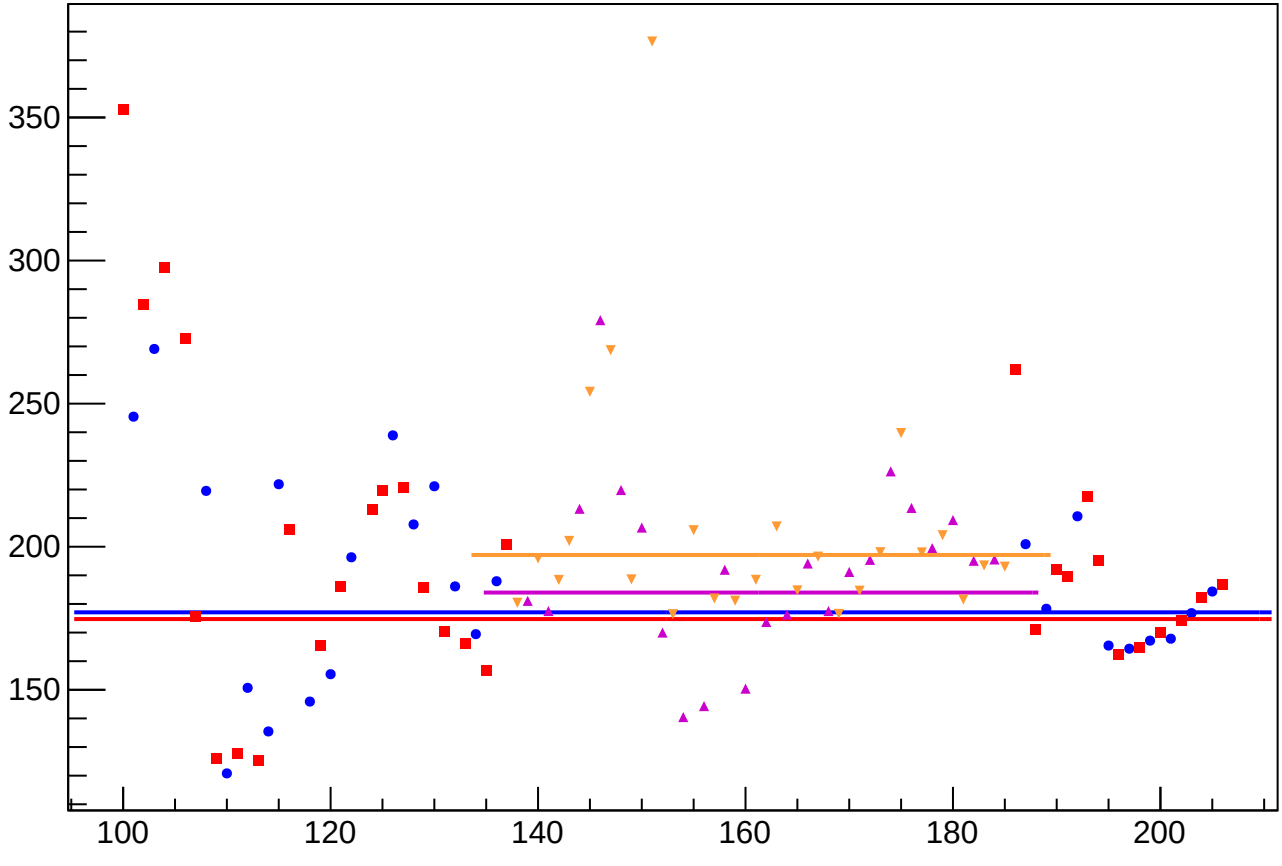
Right: 8095.184+/-32.654 χ^2/NDF: 158495.4/55

In: -2351.680+/-32.604 χ^2/NDF:177052.3/47

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1651.346+/-22.770 χ^2/NDF: 414610.2/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

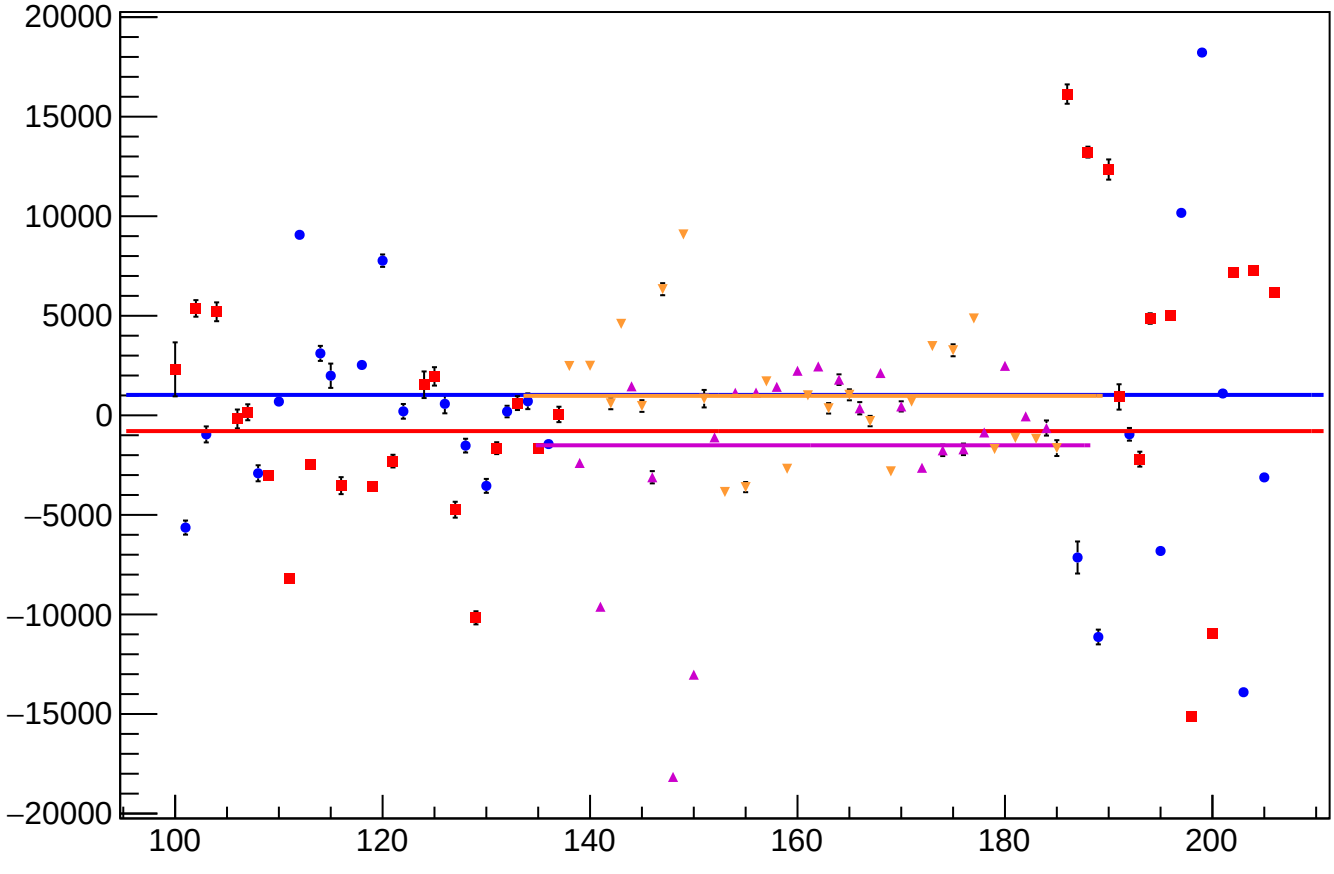
Right: 175.797+/-0.023 χ^2/NDF: 1971106.2/55

In: 180.835+/-0.023 χ^2/NDF:1614447.9/47

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.265+/-0.016 χ^2/NDF: 3822460.6/103

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -791.403+/-50.150 χ^2/NDF: 20901.1/30

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

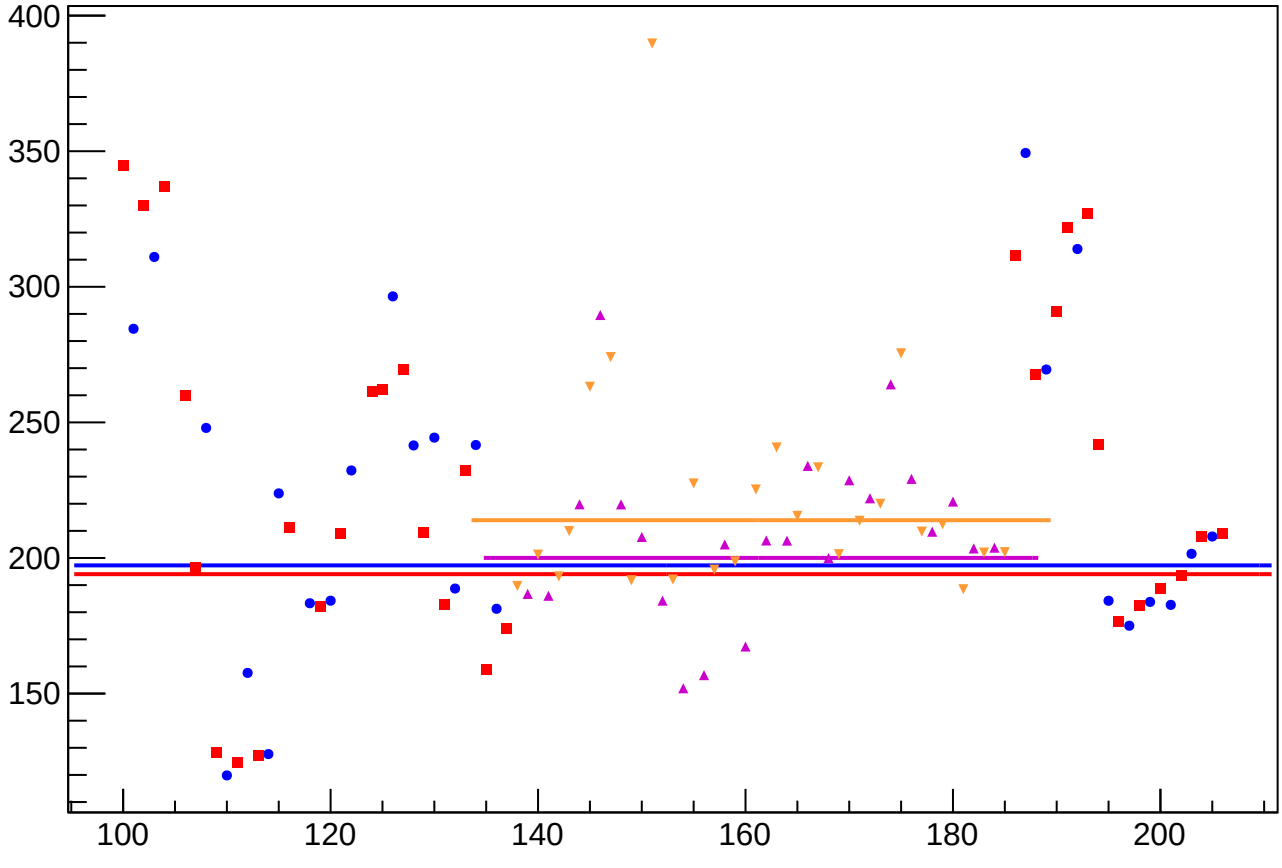
Right: 42.918+/-36.885 χ^2/NDF: 42206.7/55

In: -396.682+/-36.025 χ^2/NDF:33398.4/47

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -141.458+/-25.202 χ^2/NDF: 59350.2/103

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

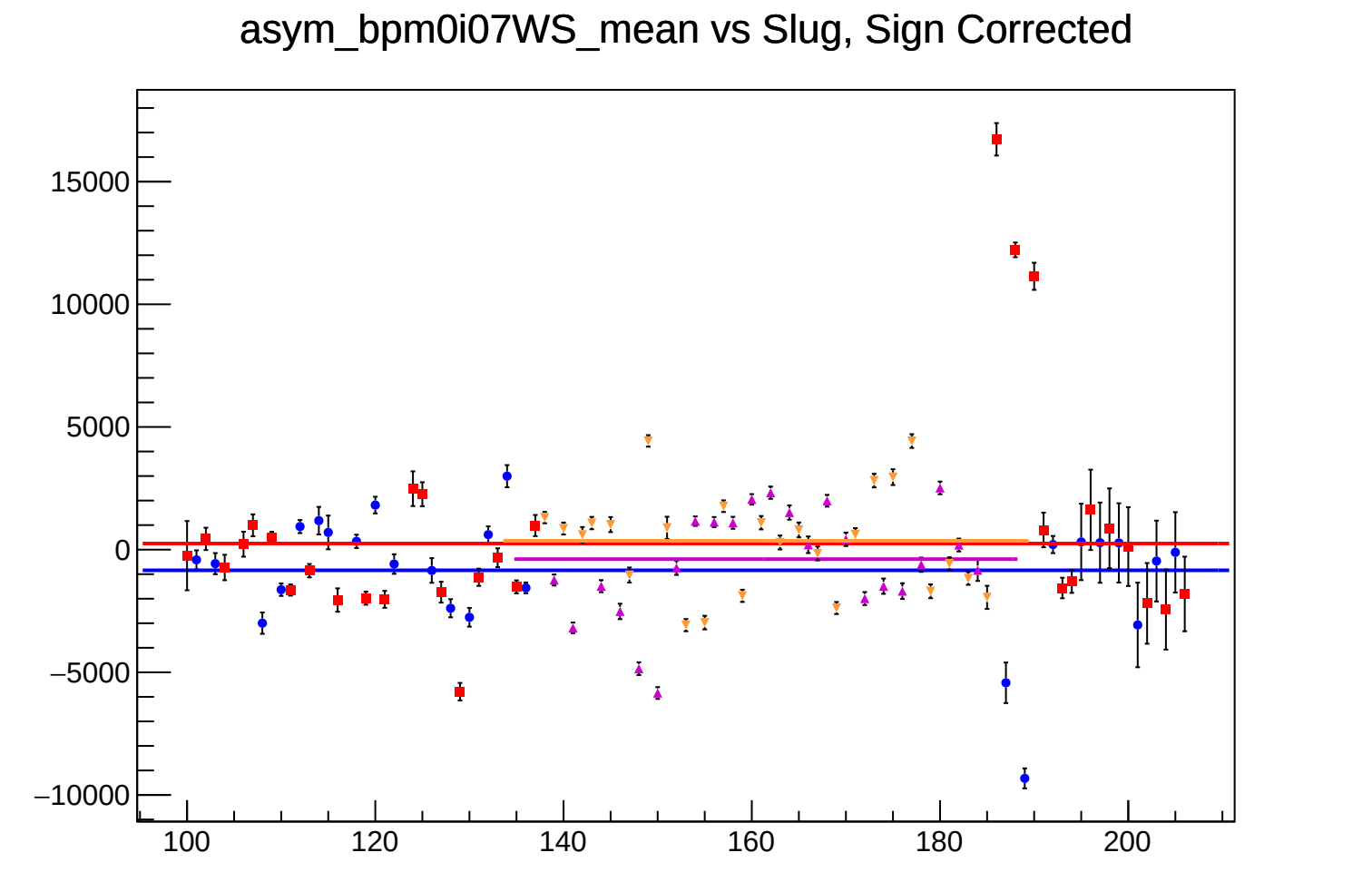
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.519+/-0.026 χ^2/NDF: 3703165.7/55

In: 198.821+/-0.025 χ^2/NDF:2233418.6/47

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.512+/-0.018 χ^2/NDF: 5402380.1/103



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 248.871+/-73.711 χ^2/NDF: 3275.7/30

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

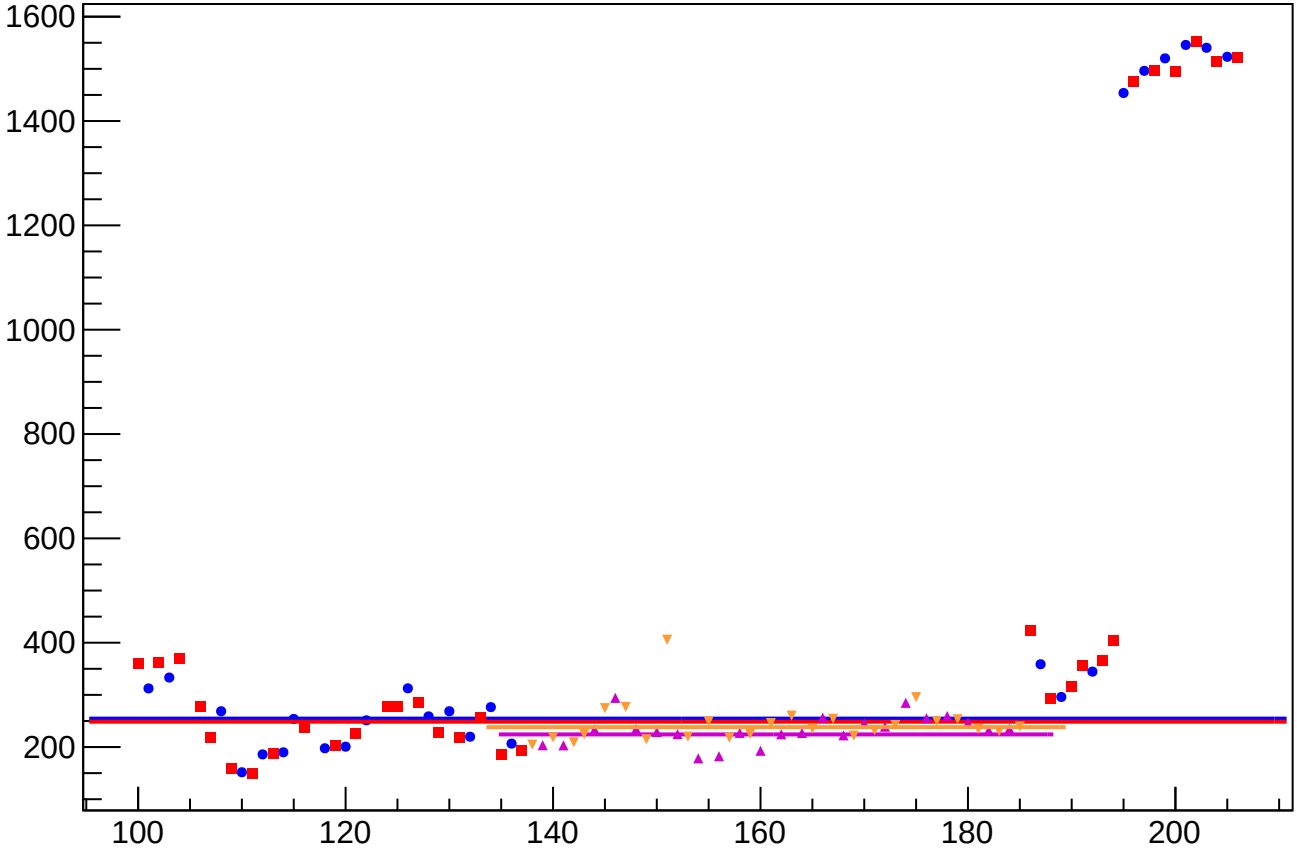
Right: -242.784+/-54.633 χ^2/NDF: 4174.1/55

In: -524.398+/-44.722 χ^2/NDF:2625.7/47

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -96.358+/-31.393 χ^2/NDF: 7502.3/103

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

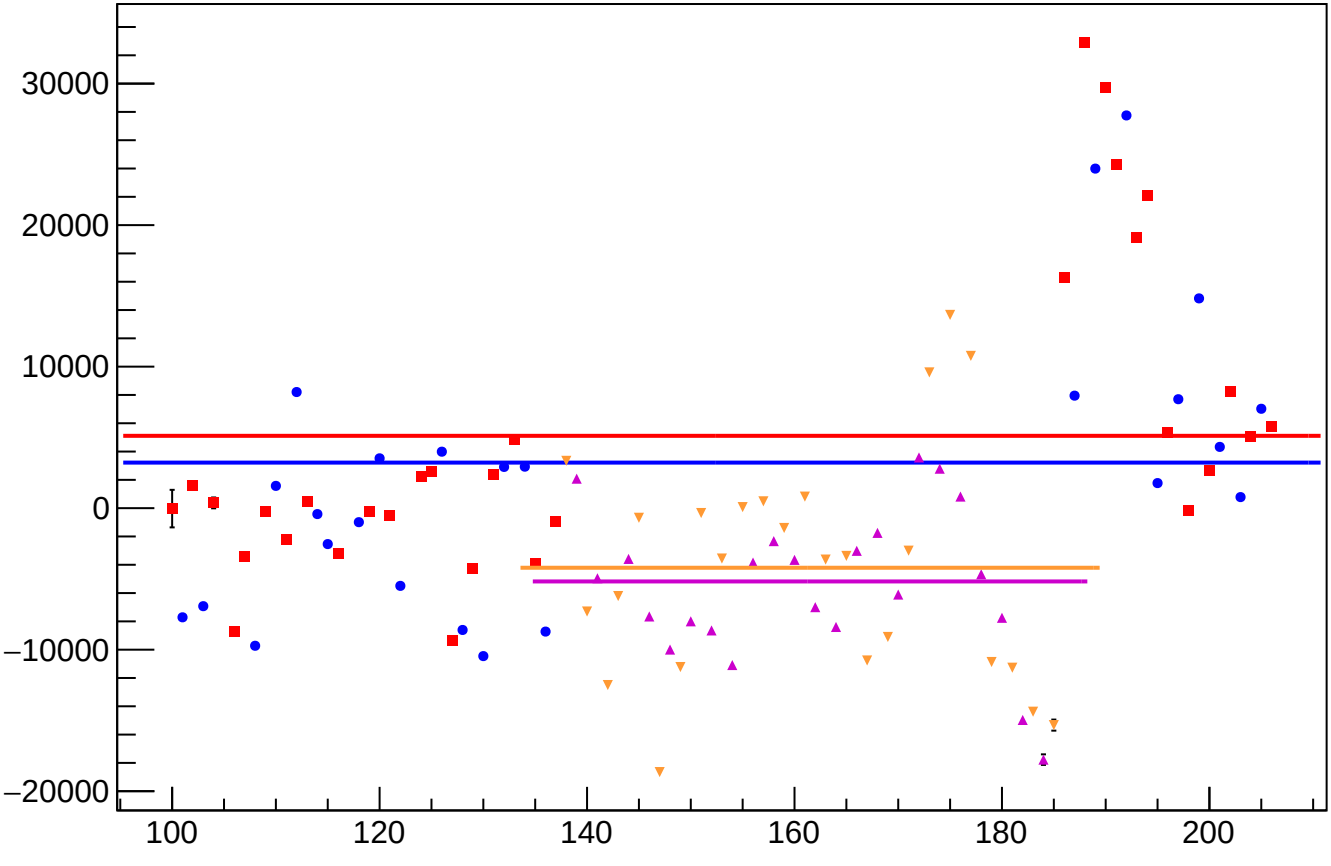
Right: 251.263+/-0.039 χ^2/NDF: 17557902.0/55

In: 233.349+/-0.032 χ^2/NDF:8941873.2/47

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 237.702+/-0.022 χ^2/NDF: 18939488.1/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5111.560+/-33.402 χ^2/NDF: 102903.5/30

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

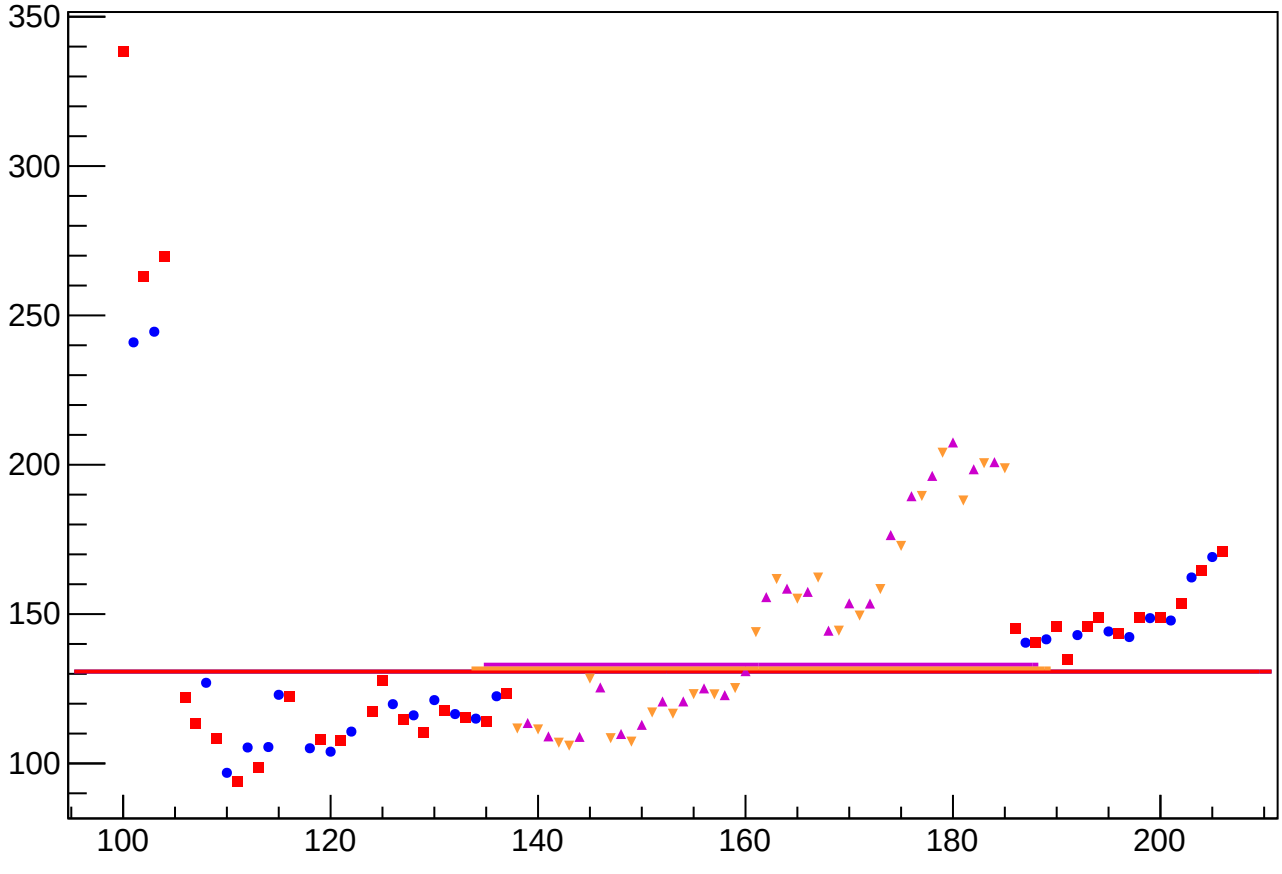
Right: 4240.048+/-24.531 χ^2/NDF: 180688.7/55

In: -1492.074+/-23.946 χ^2/NDF:125136.4/47

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -663.750+/-16.457 χ^2/NDF: 329172.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

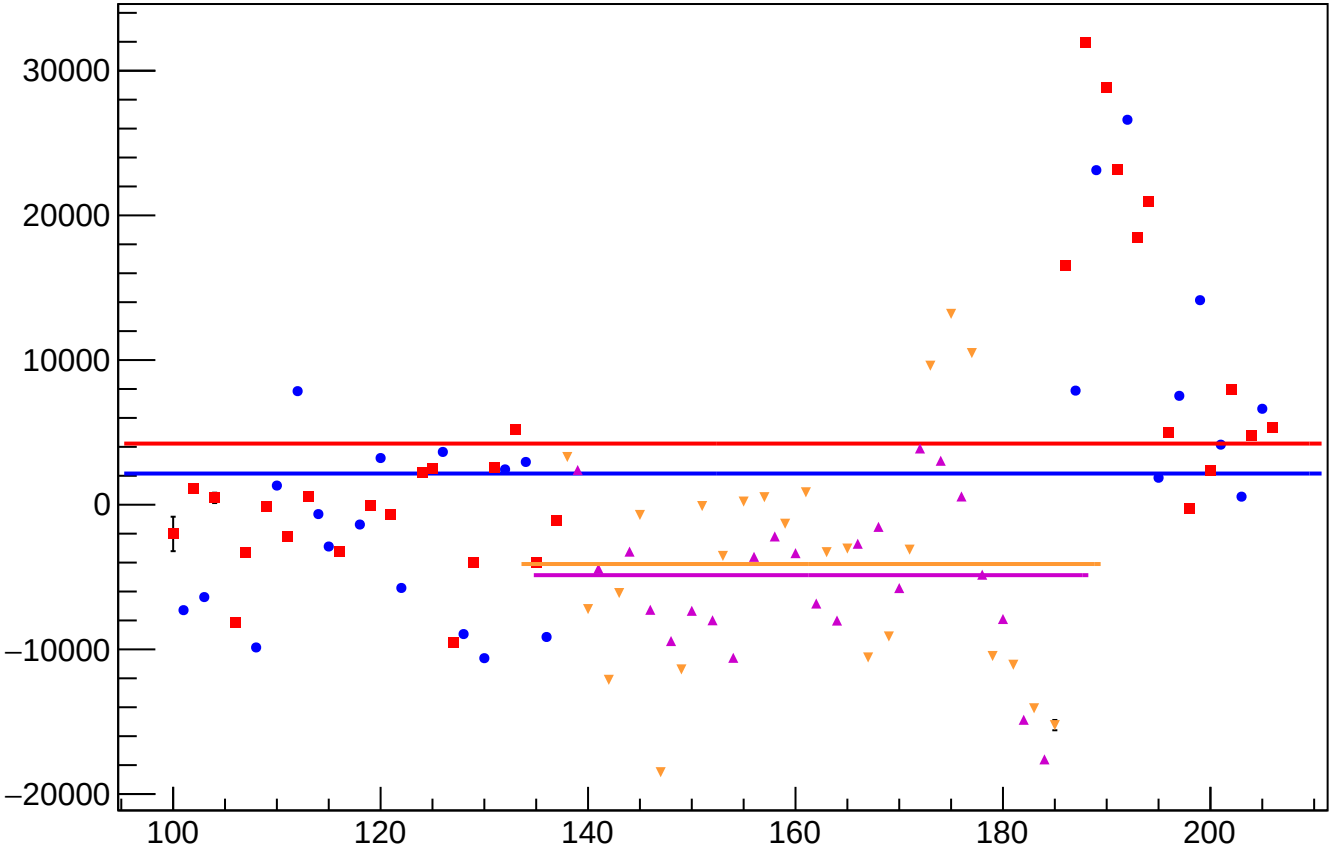
Right: 130.757+/-0.017 χ^2/NDF: 2566567.2/55

In: 132.045+/-0.017 χ^2/NDF:2543655.1/47

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 131.664+/-0.012 χ^2/NDF: 5535749.8/103

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2155.555+/-32.946 χ^2/NDF: 83250.4/24

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4225.974+/-30.697 χ^2/NDF: 108643.9/30

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

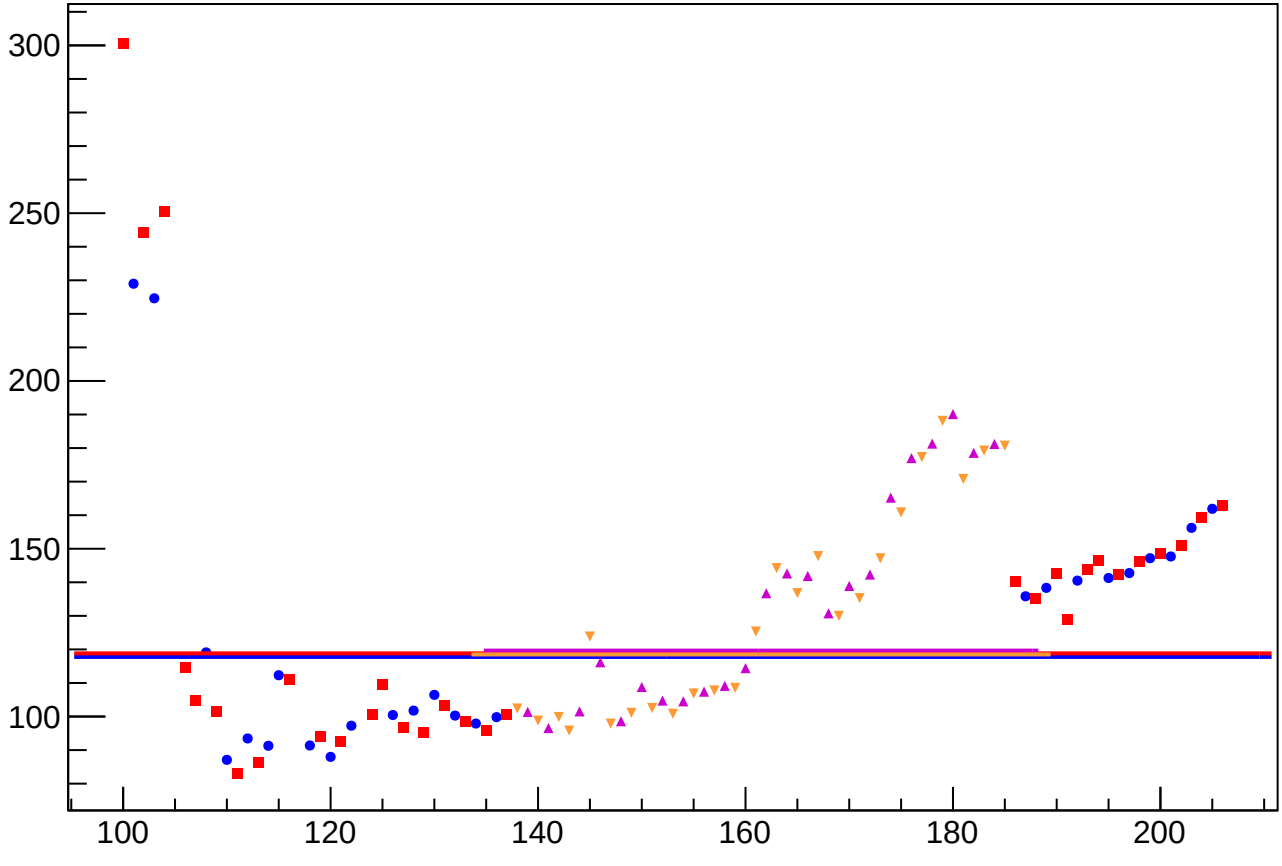
Right: 3263.822+/-22.459 χ^2/NDF: 194008.4/55

In: -1825.596+/-21.687 χ^2/NDF:130931.9/47

Out: -351.976+/-20.594 χ^2/NDF:215359.4/55

All: -1050.728+/-14.934 χ^2/NDF: 348719.2/1

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 117.763+/-0.023 χ^2/NDF: 1652883.1/24

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 118.822+/-0.022 χ^2/NDF: 2031933.7/30

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

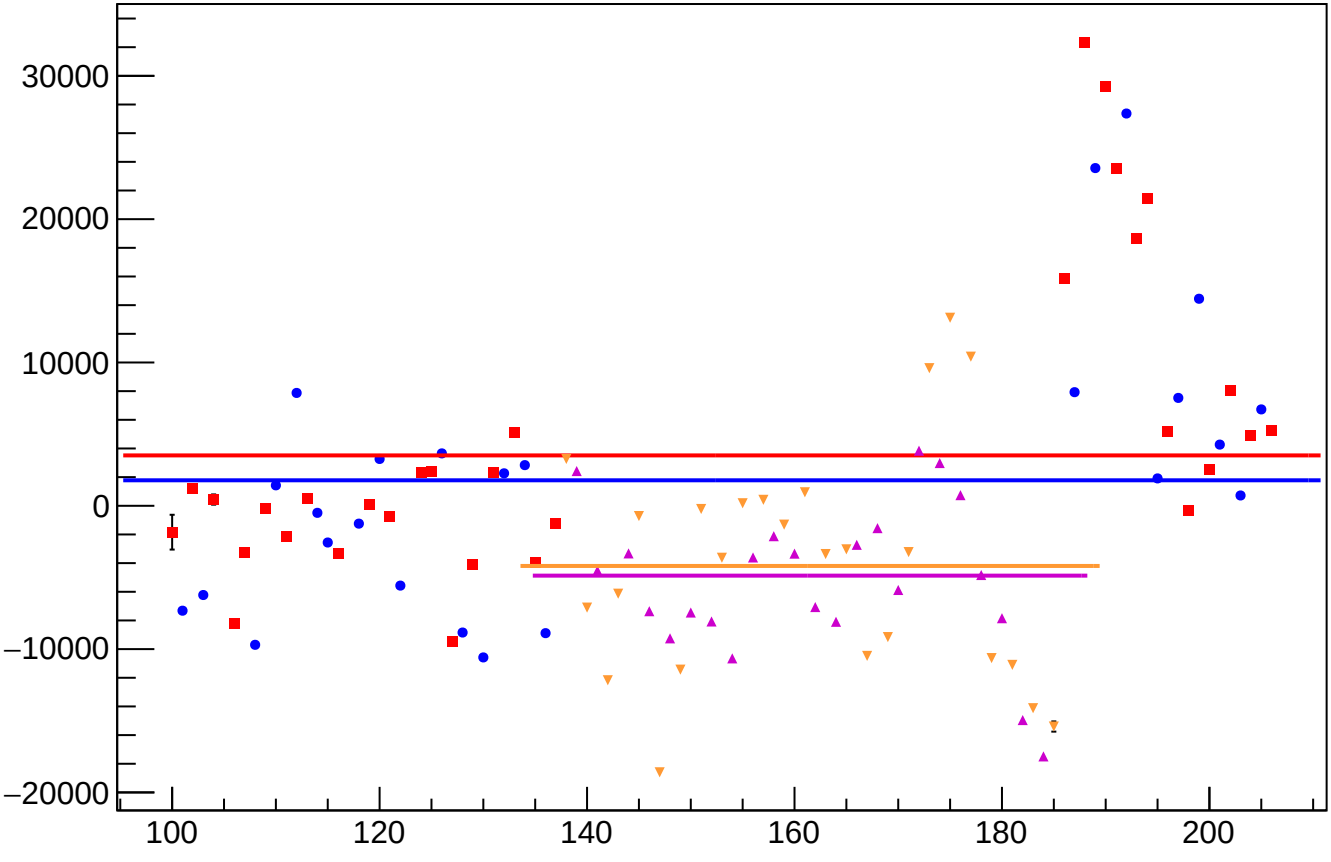
Right: 118.330+/-0.016 χ^2/NDF: 3685921.5/55

In: 118.830+/-0.015 χ^2/NDF:3168960.5/47

Out: 118.646+/-0.015 χ^2/NDF:3659192.0/55

All: 118.733+/-0.011 χ^2/NDF: 6828228.0/103

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1779.386+/-32.389 χ^2/NDF: 82141.6/24

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3516.261+/-30.302 χ^2/NDF: 102022.0/30

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

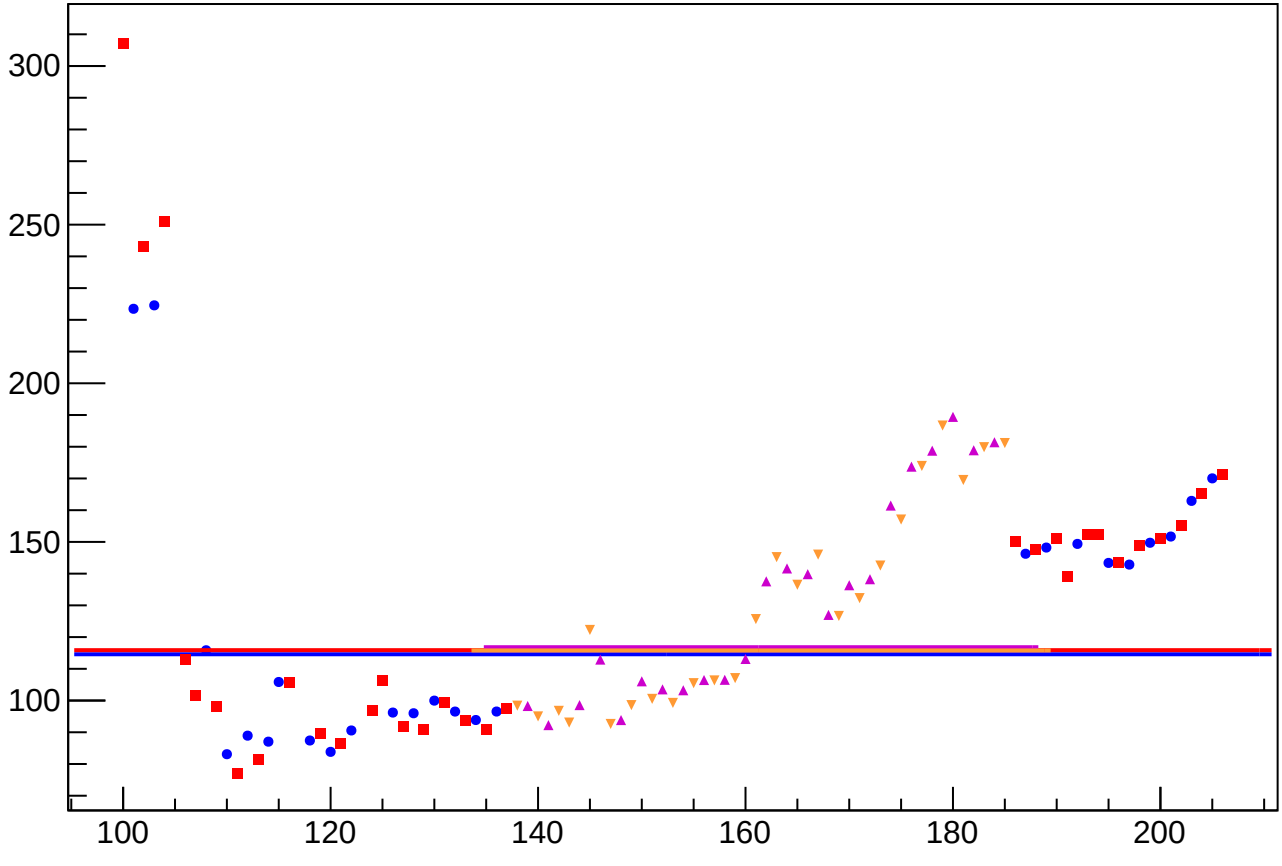
Right: 2705.580+/-22.128 χ^2/NDF: 185697.1/55

In: -2004.554+/-21.268 χ^2/NDF:129061.6/47

Out: -753.956+/-20.246 χ^2/NDF:208311.2/55

All: -1348.469+/-14.664 χ^2/NDF: 339186.6/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 114.588+/-0.023 χ^2/NDF: 2077198.3/24

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 115.880+/-0.021 χ^2/NDF: 2660984.2/30

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

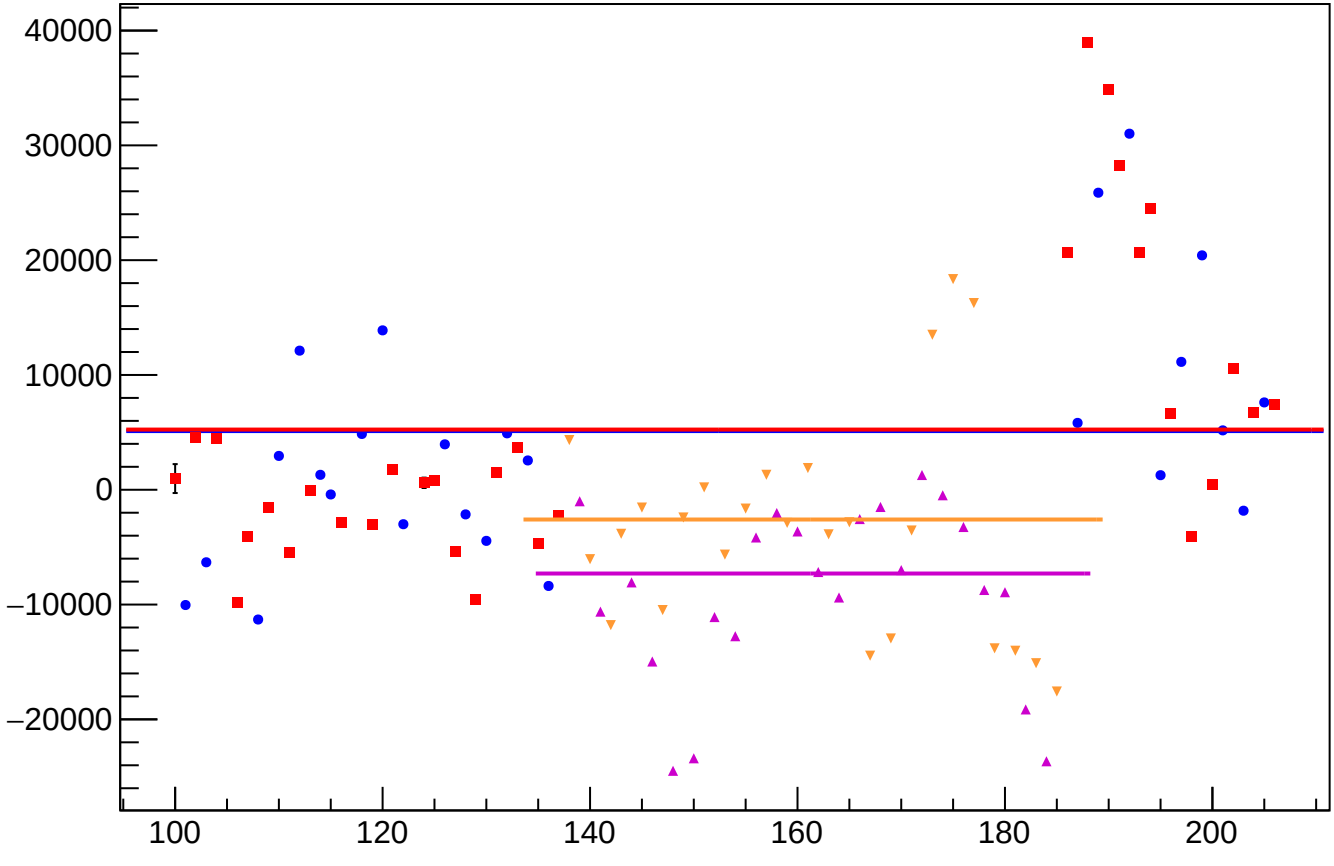
Right: 115.277+/-0.016 χ^2/NDF: 4739879.4/55

In: 115.851+/-0.015 χ^2/NDF:3700192.9/47

Out: 115.834+/-0.014 χ^2/NDF:4410013.4/55

All: 115.842+/-0.010 χ^2/NDF: 8110207.0/103

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5111.753+/-43.243 χ^2/NDF: 62589.5/24

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5243.191+/-40.419 χ^2/NDF: 97097.4/30

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

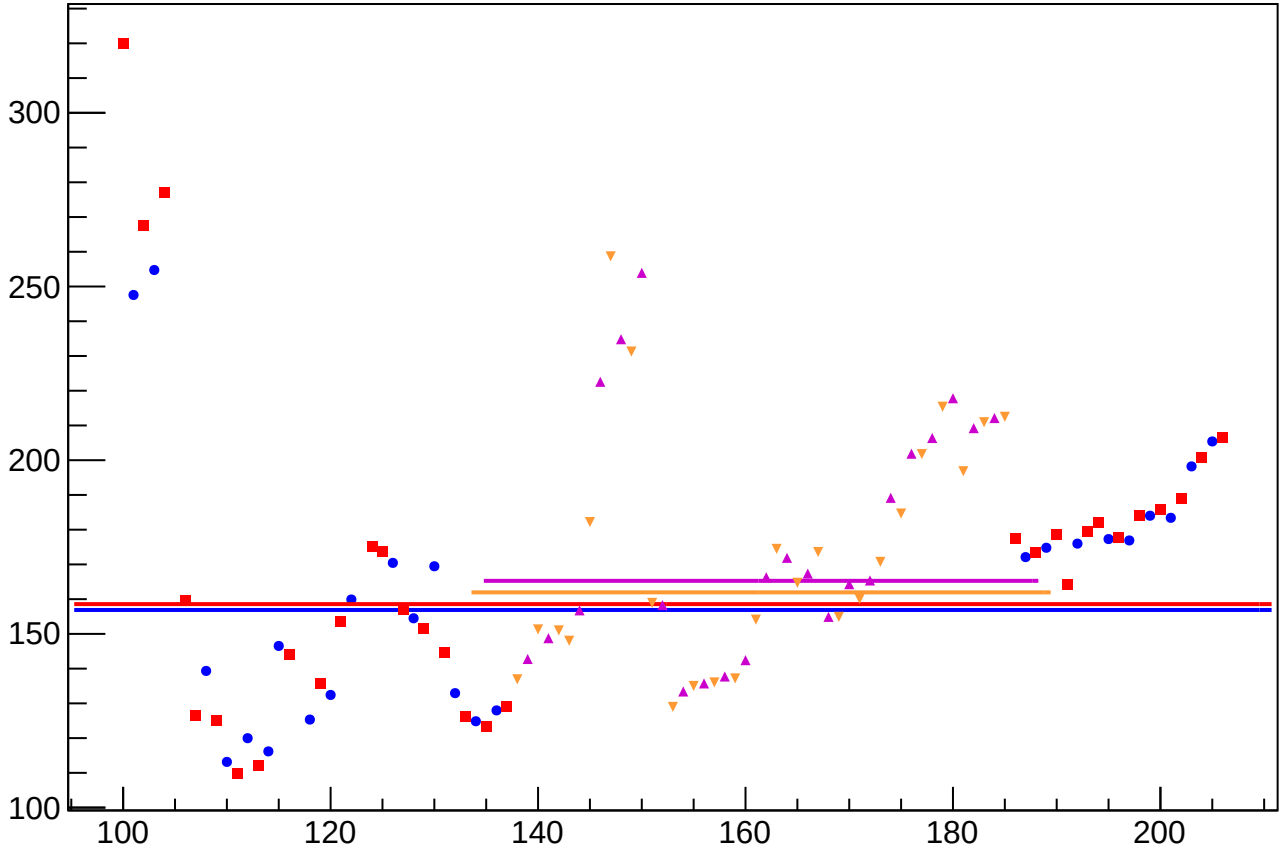
Right: 5181.903+/-29.528 χ^2/NDF: 159691.8/55

In: -1640.522+/-29.195 χ^2/NDF:132138.0/47

Out: 1047.680+/-27.547 χ^2/NDF:165212.2/55

All: -218.421+/-20.036 χ^2/NDF: 301835.4/10

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 156.887+/-0.031 χ^2/NDF: 1176464.8/24

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 158.575+/-0.029 χ^2/NDF: 1465348.7/30

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

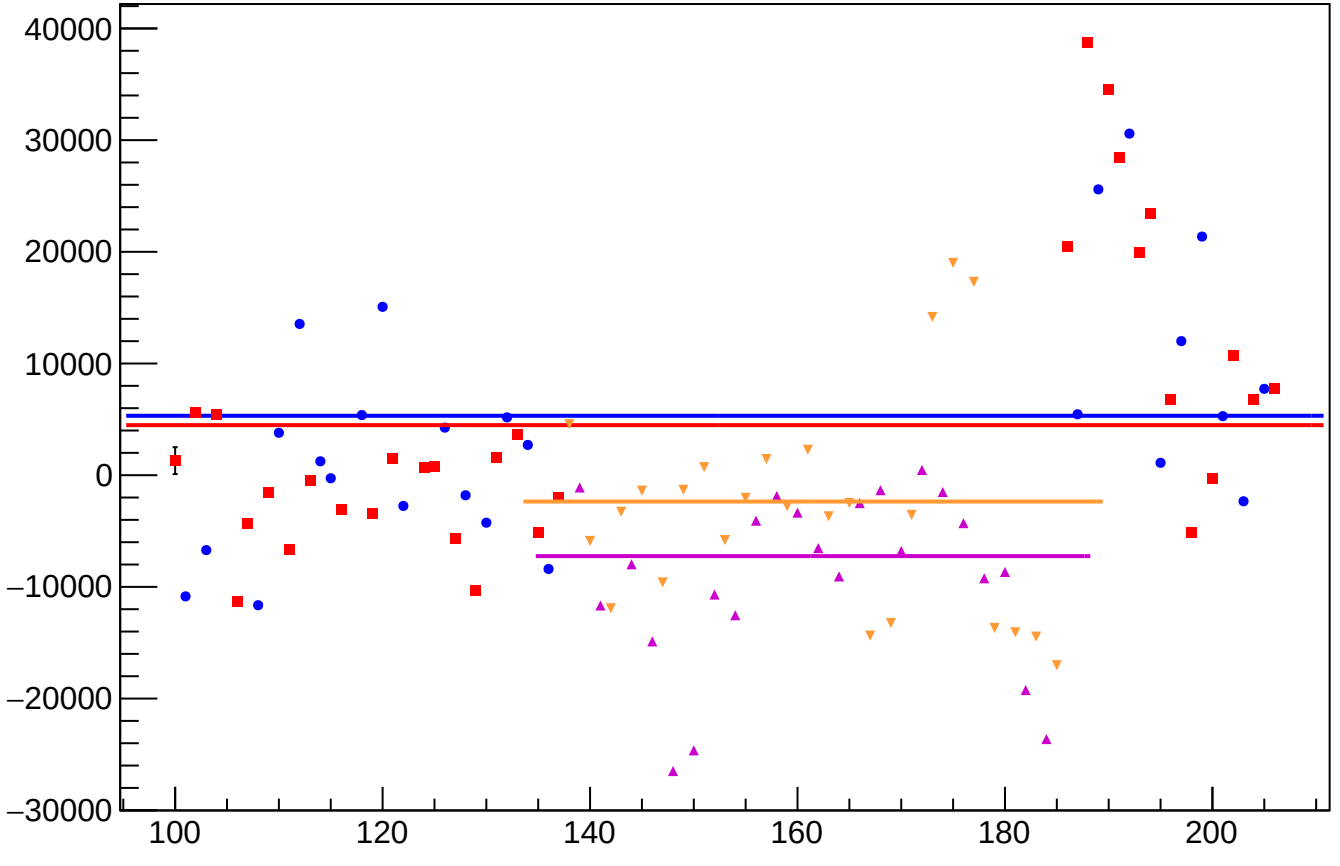
Right: 157.788+/-0.021 χ^2/NDF: 2643440.7/55

In: 161.450+/-0.021 χ^2/NDF:2396485.6/47

Out: 160.386+/-0.019 χ^2/NDF:2617654.7/55

All: 160.887+/-0.014 χ^2/NDF: 5015545.7/103

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5320.879+/-36.668 χ^2/NDF: 87527.8/24

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4481.238+/-34.092 χ^2/NDF: 134969.8/30

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

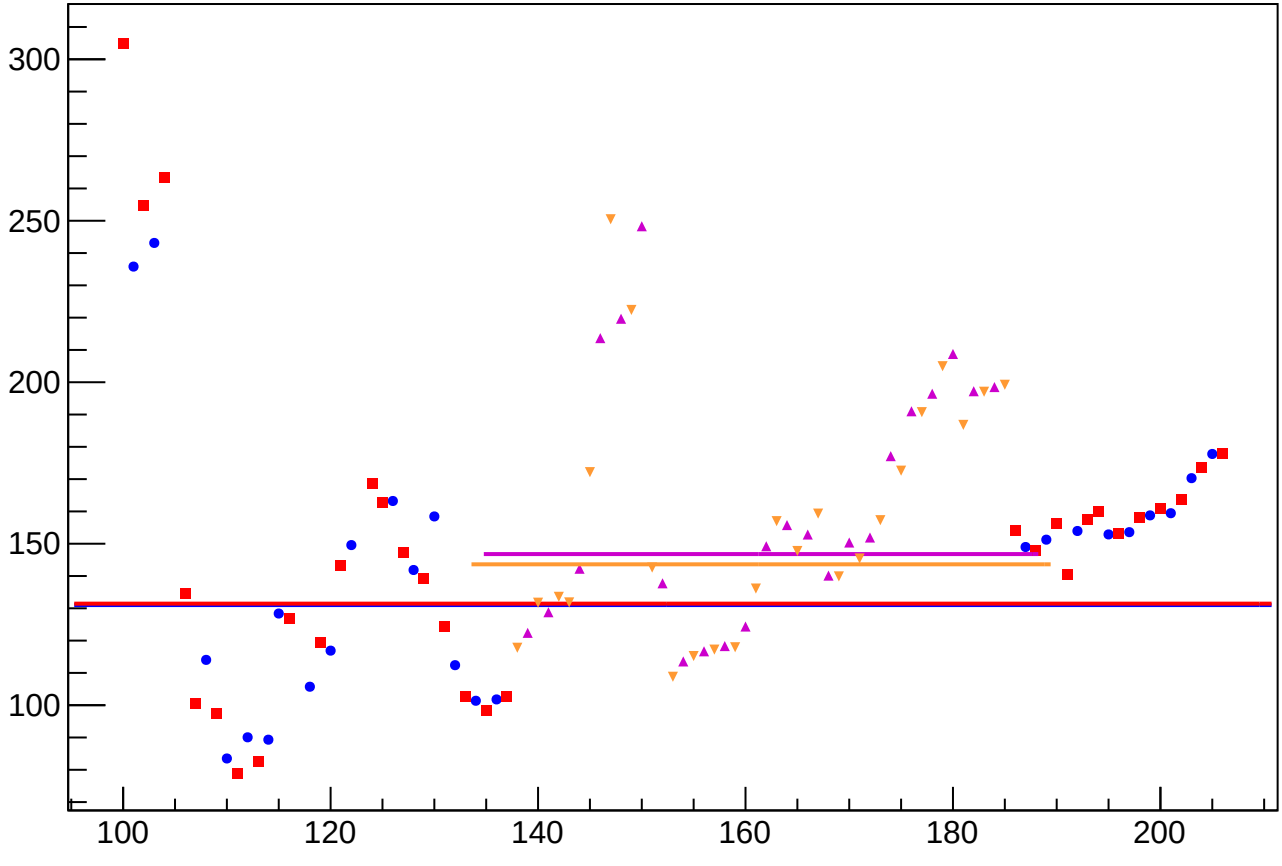
Right: 4870.530+/-24.968 χ^2/NDF: 222778.7/55

In: -1164.066+/-25.508 χ^2/NDF:178580.2/47

Out: 1018.642+/-23.960 χ^2/NDF:213919.4/55

All: -4.465+/-17.464 χ^2/NDF: 396389.5/103

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 131.003+/-0.026 χ^2/NDF: 1810646.5/24

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 131.444+/-0.024 χ^2/NDF: 2314001.0/30

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

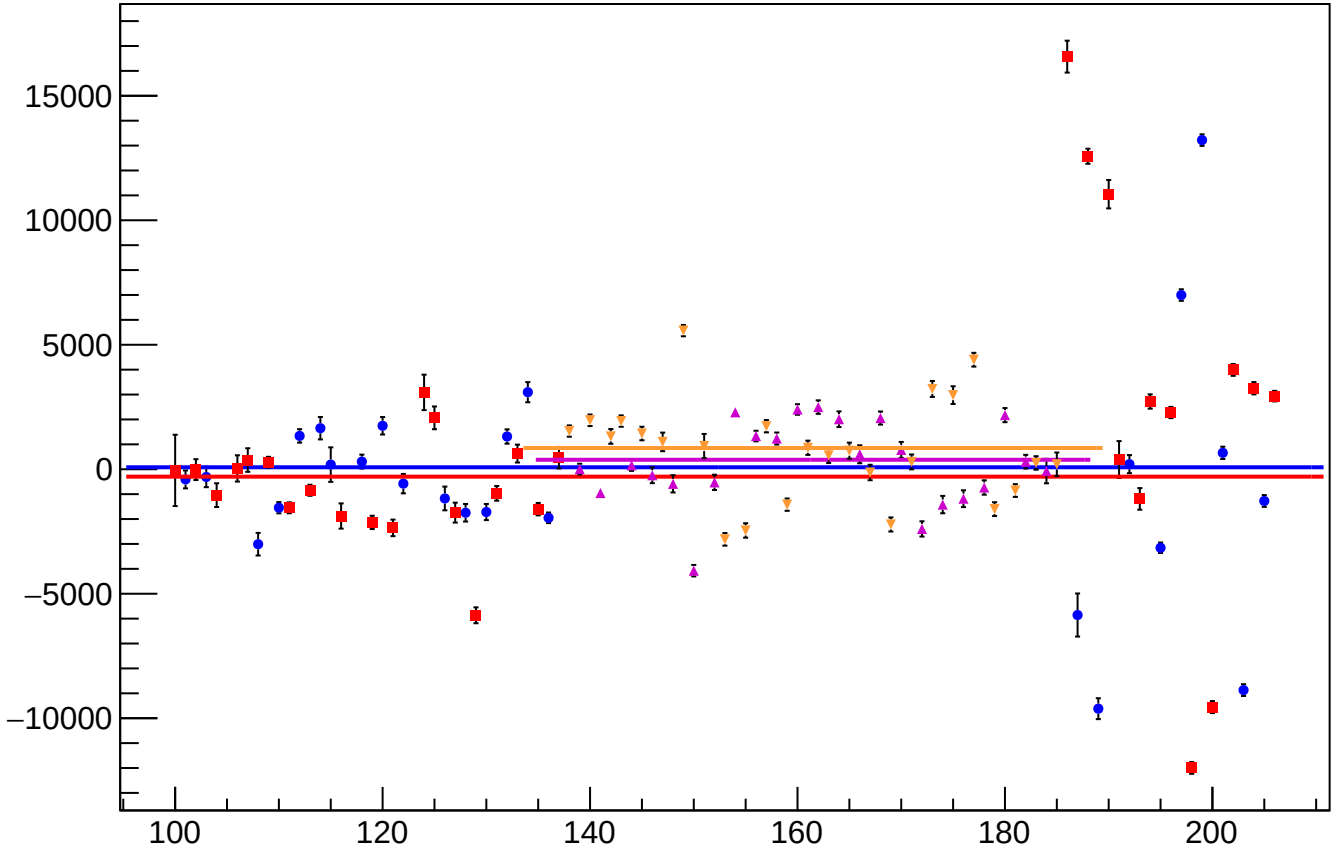
Right: 131.240+/-0.018 χ^2/NDF: 4124802.6/55

In: 139.152+/-0.018 χ^2/NDF:3696569.3/47

Out: 137.607+/-0.017 χ^2/NDF:4105980.0/55

All: 138.331+/-0.012 χ^2/NDF: 7806447.8/103

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 79.343+/-60.308 χ^2/NDF: 6798.5/24

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -297.650+/-56.088 χ^2/NDF: 8397.9/30

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

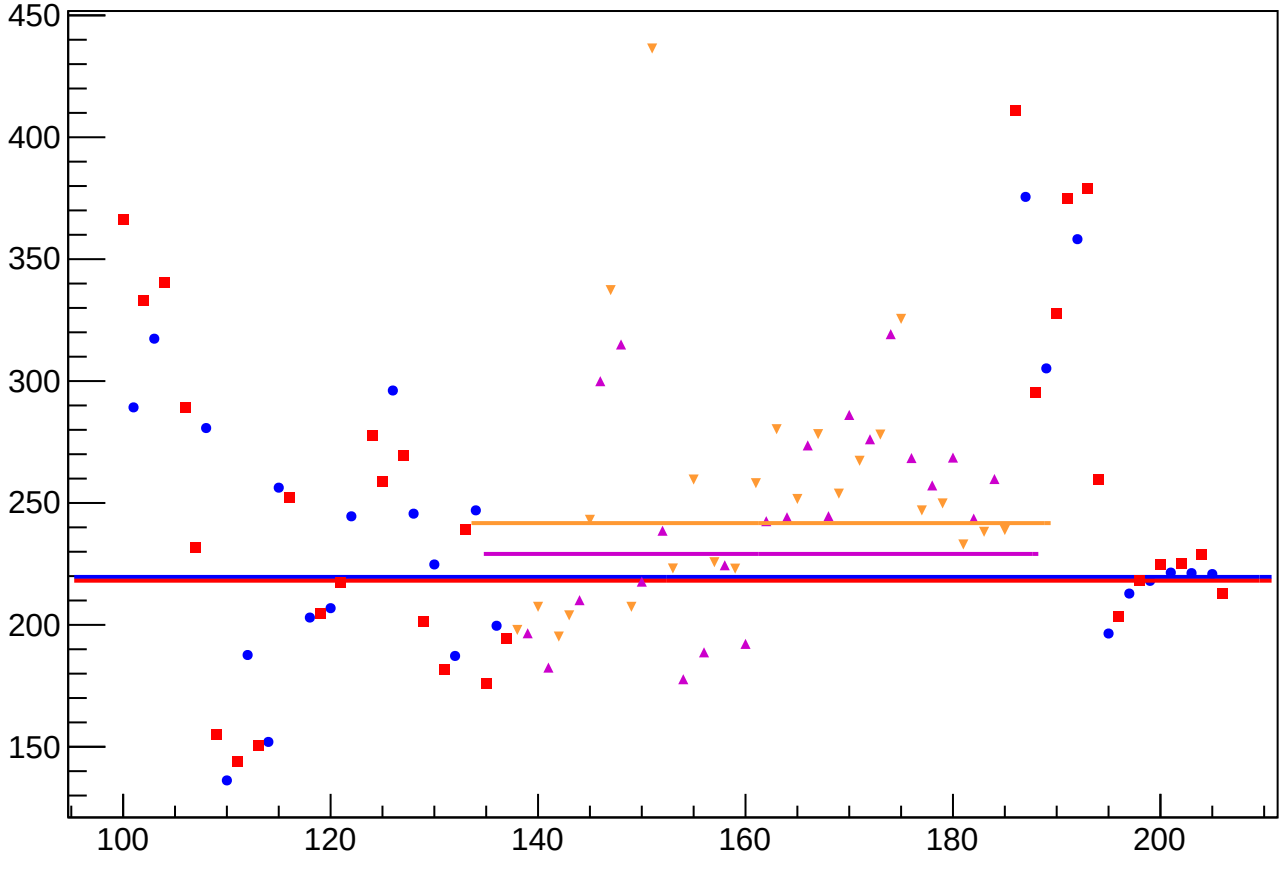
Right: -122.803+/-41.071 χ^2/NDF: 15217.4/55

In: 243.587+/-40.693 χ^2/NDF:7794.6/47

Out: 276.609+/-39.713 χ^2/NDF:10052.0/55

All: 260.501+/-28.421 χ^2/NDF: 17846.8/103

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.667+/-0.043 χ^2/NDF: 1171405.8/24

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.128+/-0.040 χ^2/NDF: 1910079.4/30

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

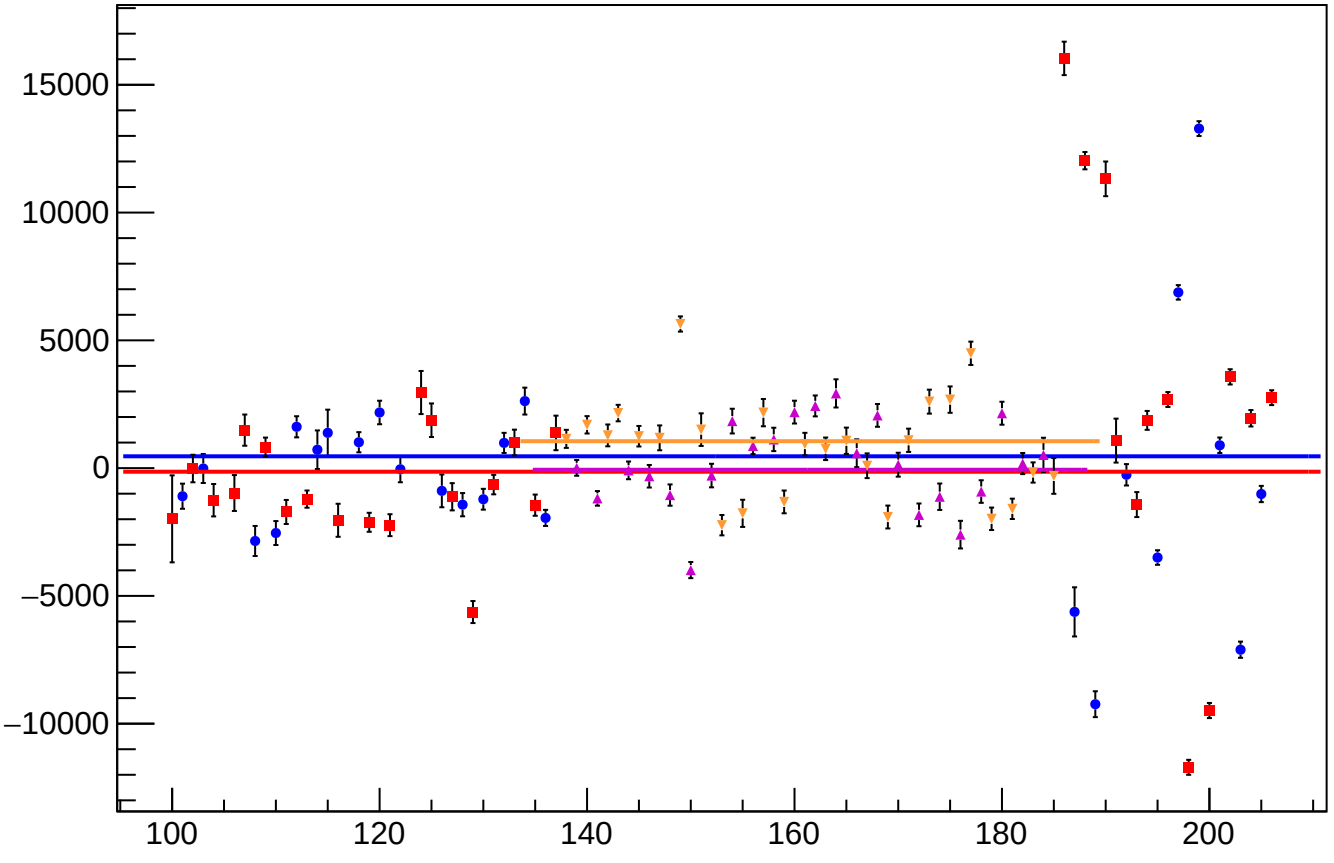
Right: 218.842+/-0.029 χ^2/NDF: 3082183.2/55

In: 224.807+/-0.029 χ^2/NDF:2267040.2/47

Out: 229.906+/-0.028 χ^2/NDF:3073312.2/55

All: 227.419+/-0.020 χ^2/NDF: 5356435.4/103

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 462.842+/-81.686 χ^2/NDF: 3879.8/24

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -140.408+/-76.310 χ^2/NDF: 5478.2/30

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

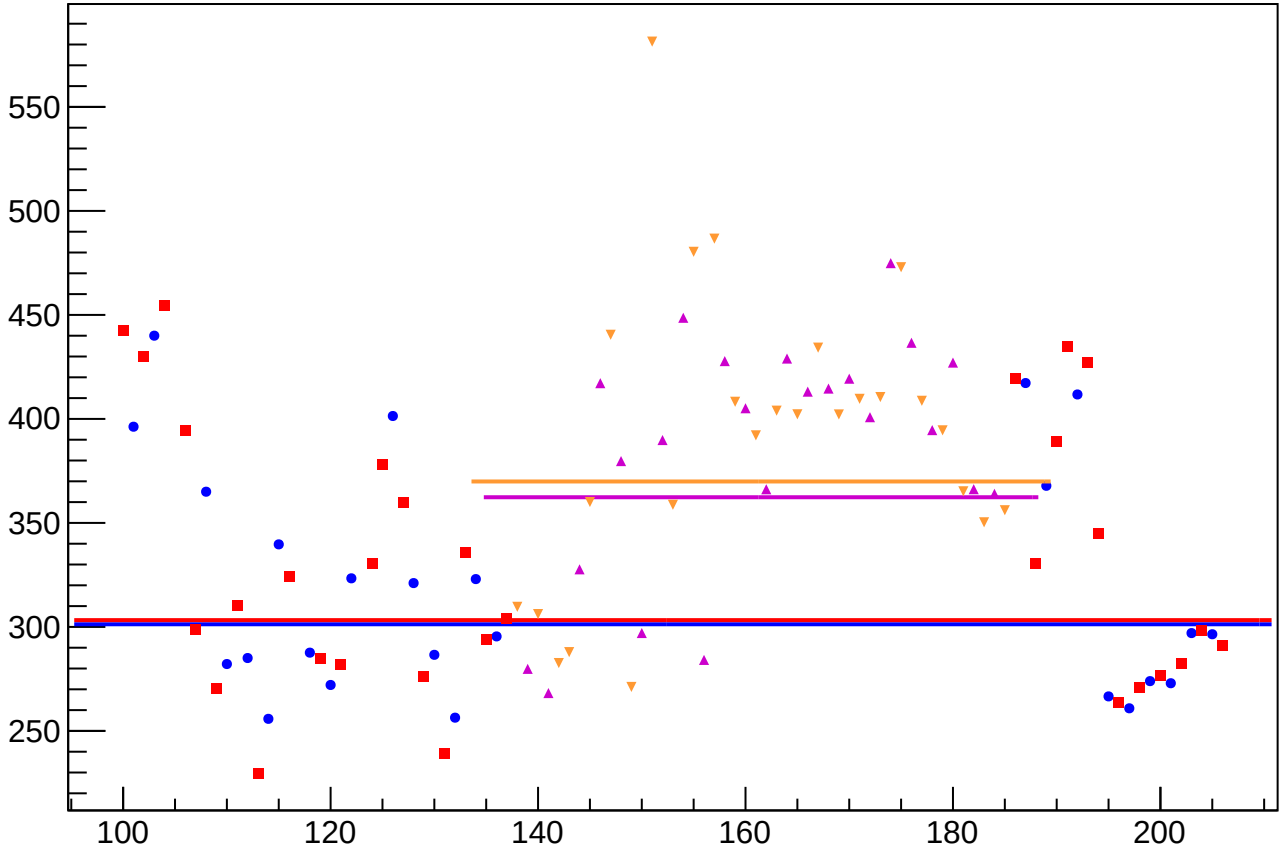
Right: 140.716+/-55.763 χ^2/NDF: 9387.2/55

In: 214.669+/-59.441 χ^2/NDF:4293.9/47

Out: 386.175+/-57.048 χ^2/NDF:6200.8/55

All: 303.943+/-41.159 χ^2/NDF: 10499.0/103

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.273+/-0.058 χ^2/NDF: 643390.7/24

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 303.261+/-0.054 χ^2/NDF: 920406.1/30

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

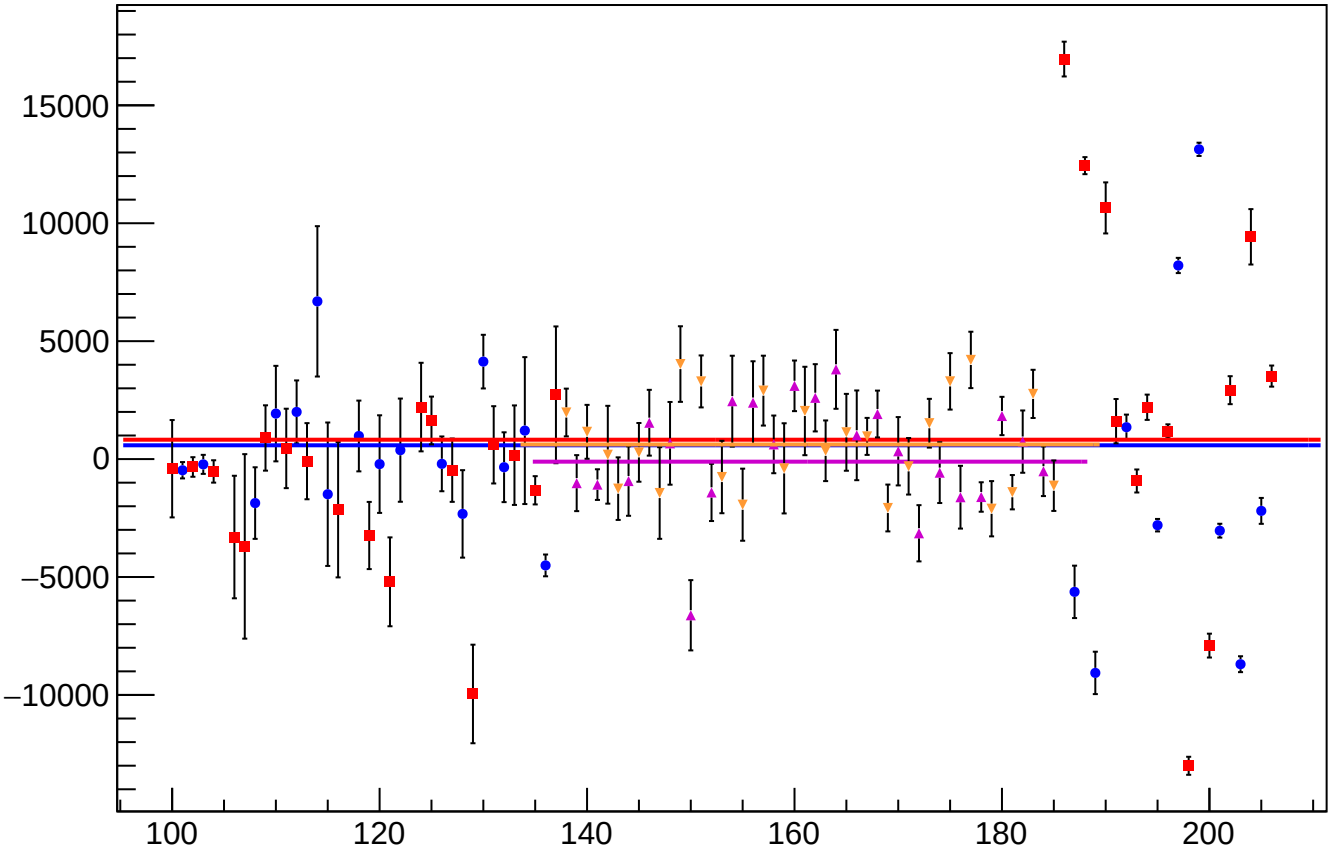
Right: 302.334+/-0.039 χ^2/NDF: 1564429.0/55

In: 330.004+/-0.042 χ^2/NDF:2222686.1/47

Out: 332.666+/-0.040 χ^2/NDF:2823968.5/55

All: 331.390+/-0.029 χ^2/NDF: 5048742.6/103

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 584.722+/-105.619 χ^2/NDF: 3955.1/24

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 821.557+/-120.827 χ^2/NDF: 3408.4/30

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

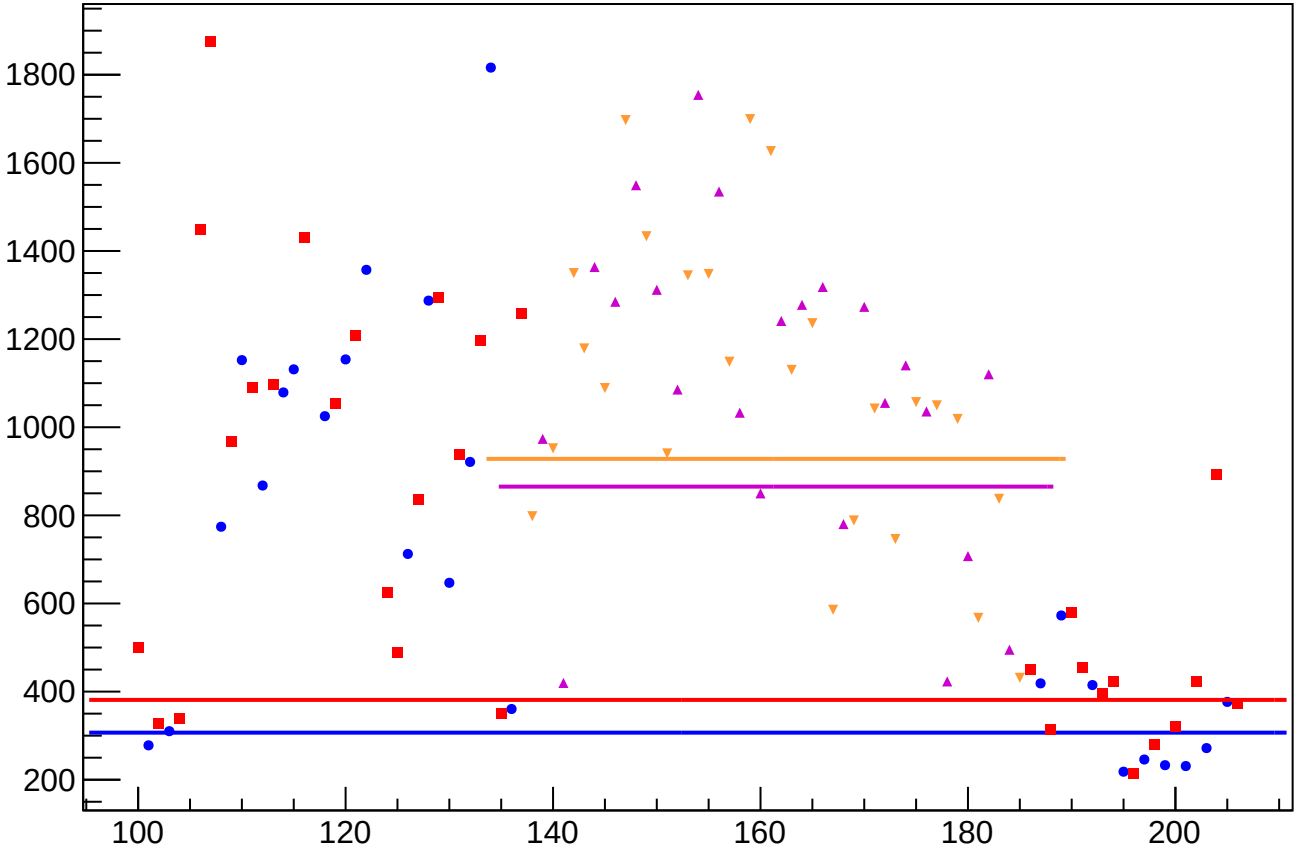
Right: 687.306+/-79.521 χ^2/NDF: 7365.6/55

In: 470.356+/-96.528 χ^2/NDF:4033.9/47

Out: 779.996+/-107.752 χ^2/NDF:3474.7/55

All: 608.215+/-71.898 χ^2/NDF: 7513.2/103

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 306.859+/-0.075 χ^2/NDF: 5144496.2/24

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.179+/-0.085 χ^2/NDF: 5666005.6/30

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

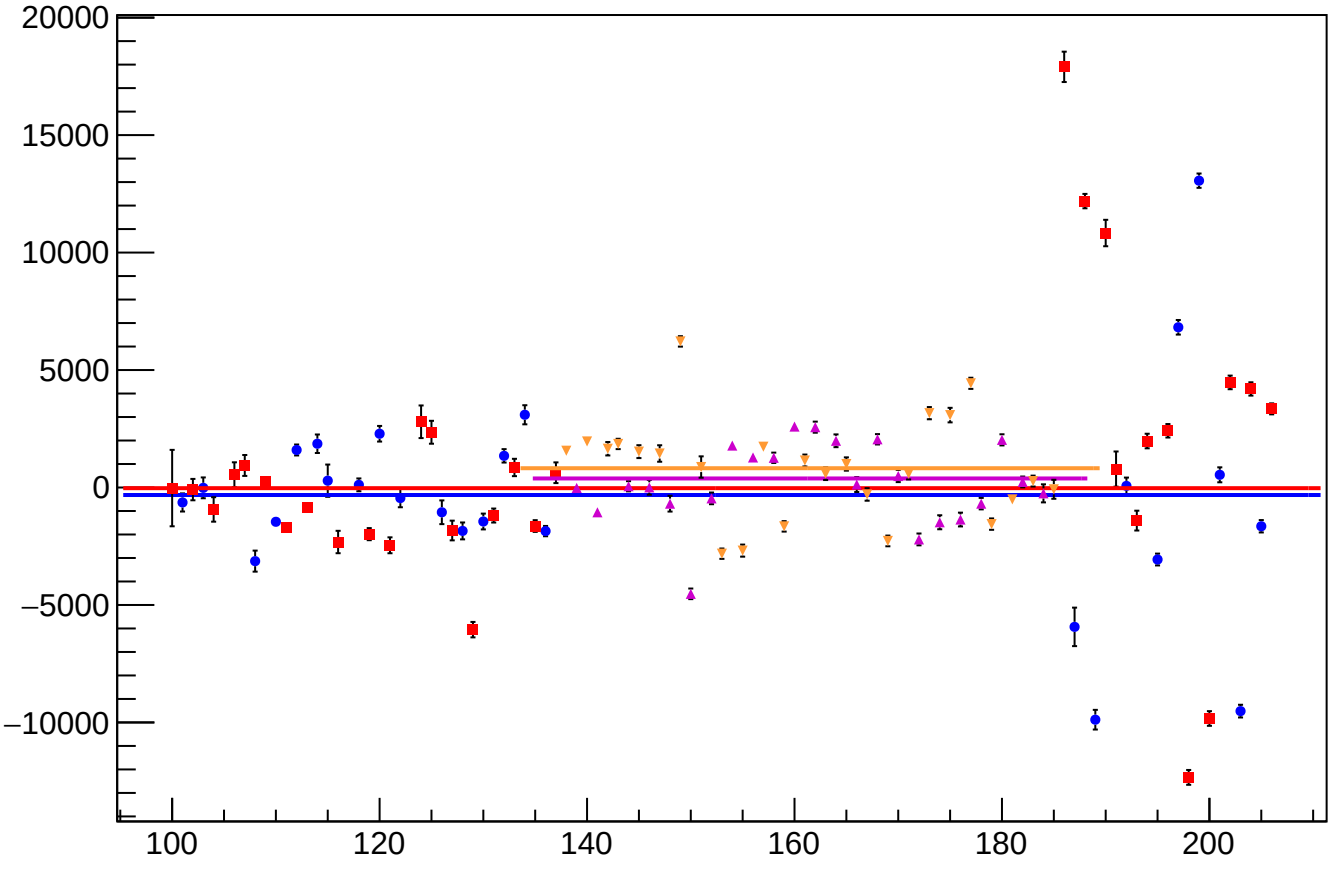
Right: 339.050+/-0.056 χ^2/NDF: 11239428.2/55

In: 398.842+/-0.068 χ^2/NDF:19145166.8/47

Out: 493.171+/-0.076 χ^2/NDF:17353823.8/55

All: 440.839+/-0.051 χ^2/NDF: 37349321.9/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -319.324+/-63.664 χ^2/NDF: 4753.7/24

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -28.454+/-58.087 χ^2/NDF: 6734.8/30

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

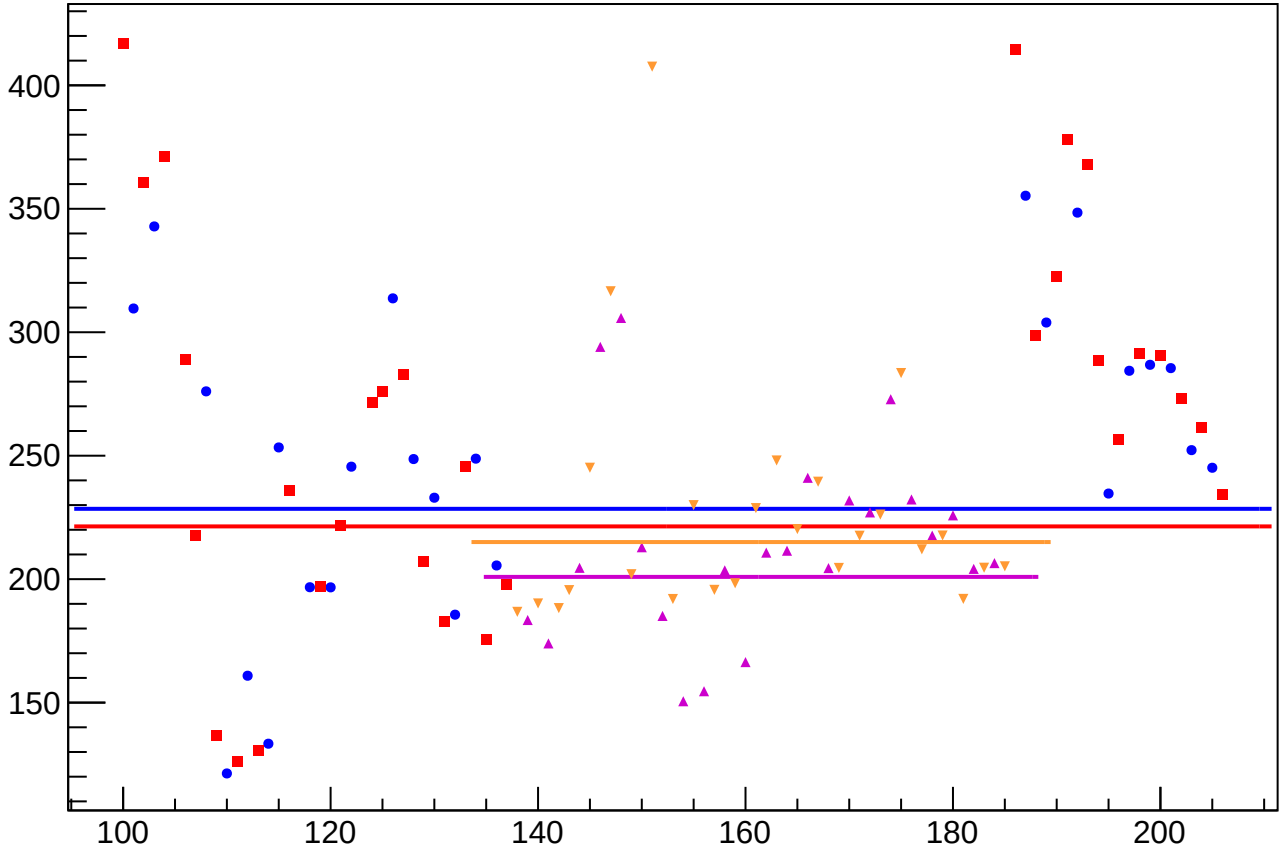
Right: -160.594+/-42.910 χ^2/NDF: 11499.9/55

In: 126.655+/-38.557 χ^2/NDF:6084.5/47

Out: 459.406+/-37.893 χ^2/NDF:8848.4/55

All: 295.921+/-27.026 χ^2/NDF: 14970.7/103

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 228.484+/-0.045 χ^2/NDF: 1845157.7/24

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 221.364+/-0.041 χ^2/NDF: 3077790.0/30

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

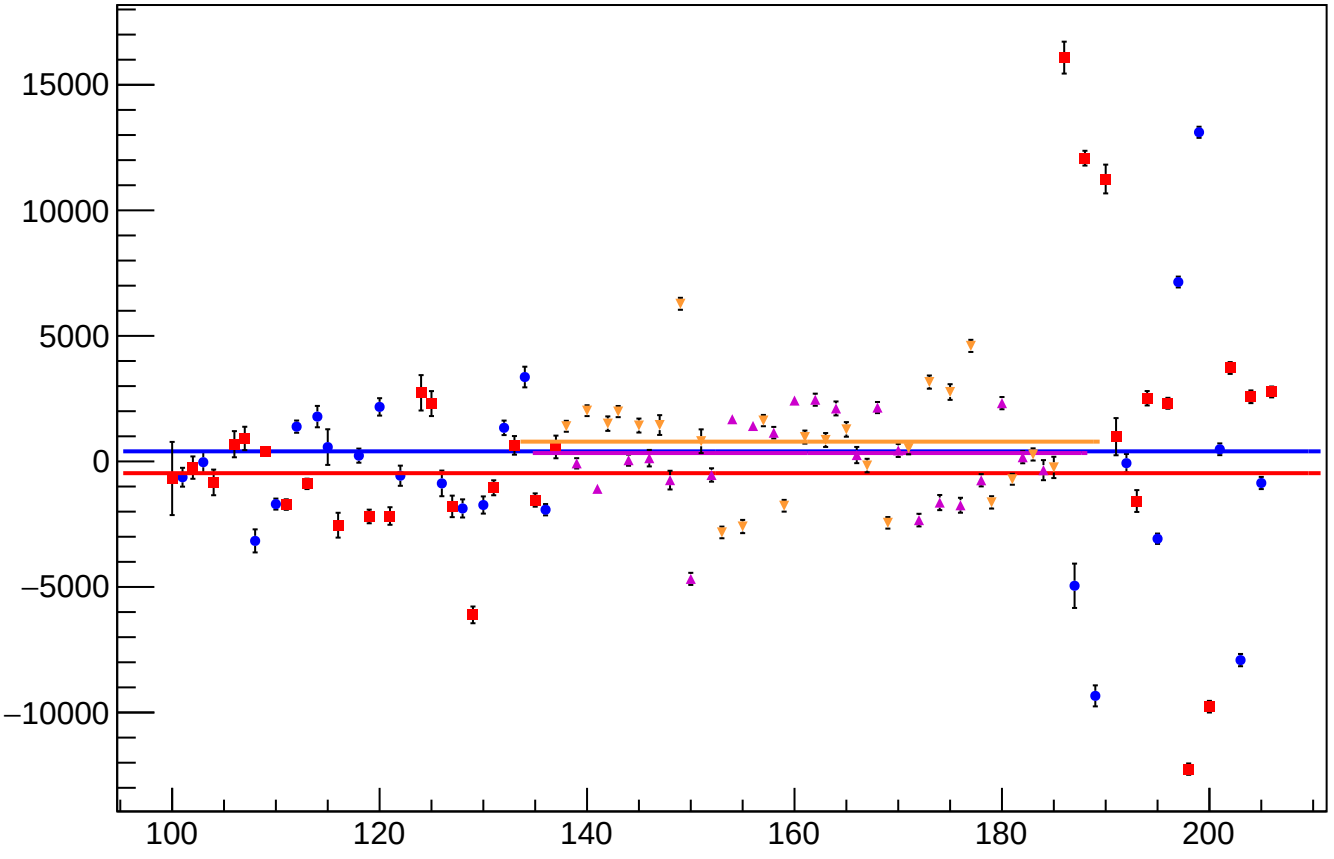
Right: 224.599+/-0.030 χ^2/NDF: 4936601.2/55

In: 211.029+/-0.027 χ^2/NDF:3188454.4/47

Out: 217.723+/-0.027 χ^2/NDF:3989254.7/55

All: 214.434+/-0.019 χ^2/NDF: 7208381.5/103

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 401.647+/-59.935 χ^2/NDF: 6778.1/24

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -468.136+/-55.587 χ^2/NDF: 8734.4/30

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

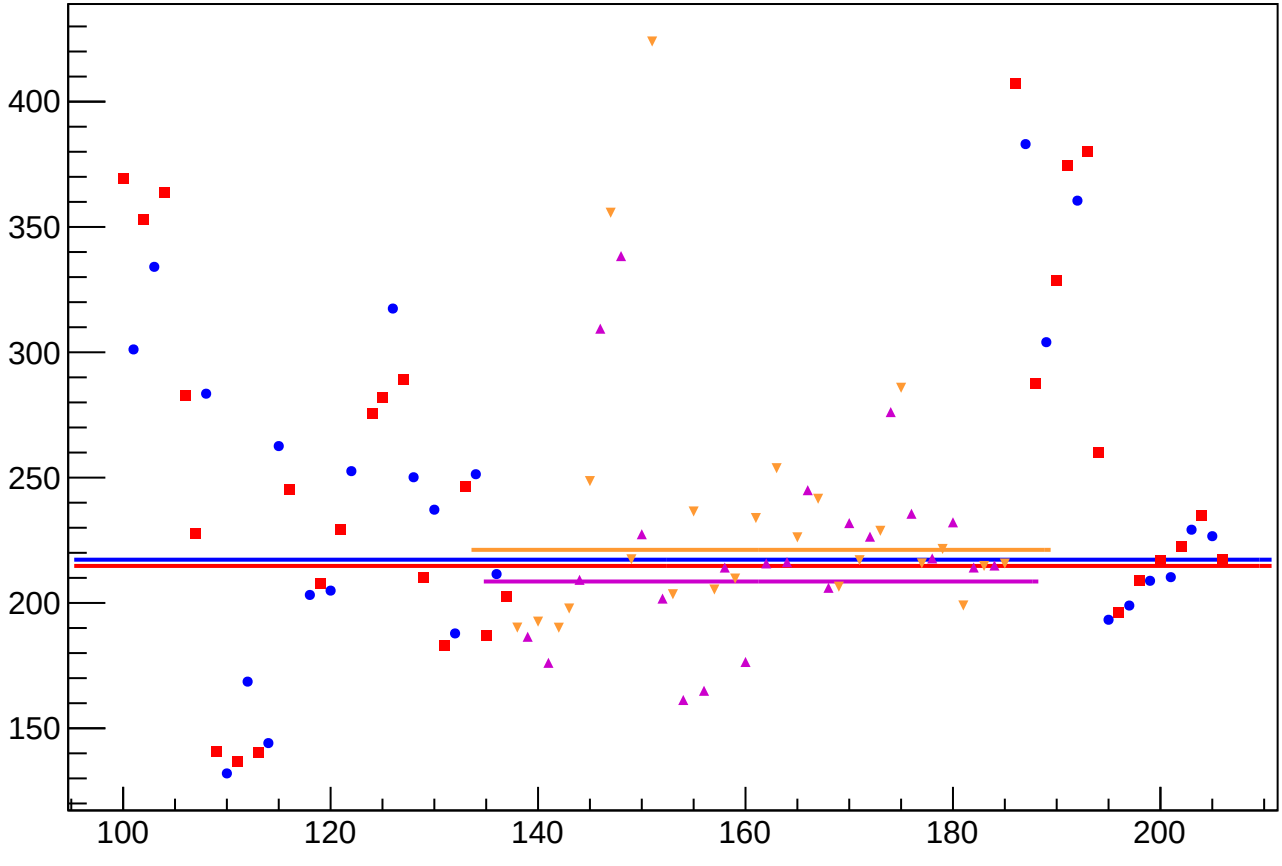
Right: -65.936+/-40.756 χ^2/NDF: 15625.7/55

In: 361.477+/-38.482 χ^2/NDF:7994.0/47

Out: 208.775+/-37.748 χ^2/NDF:10899.8/55

All: 283.657+/-26.948 χ^2/NDF: 18901.9/103

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.260+/-0.042 χ^2/NDF: 1410514.9/24

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.767+/-0.039 χ^2/NDF: 2265258.0/30

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

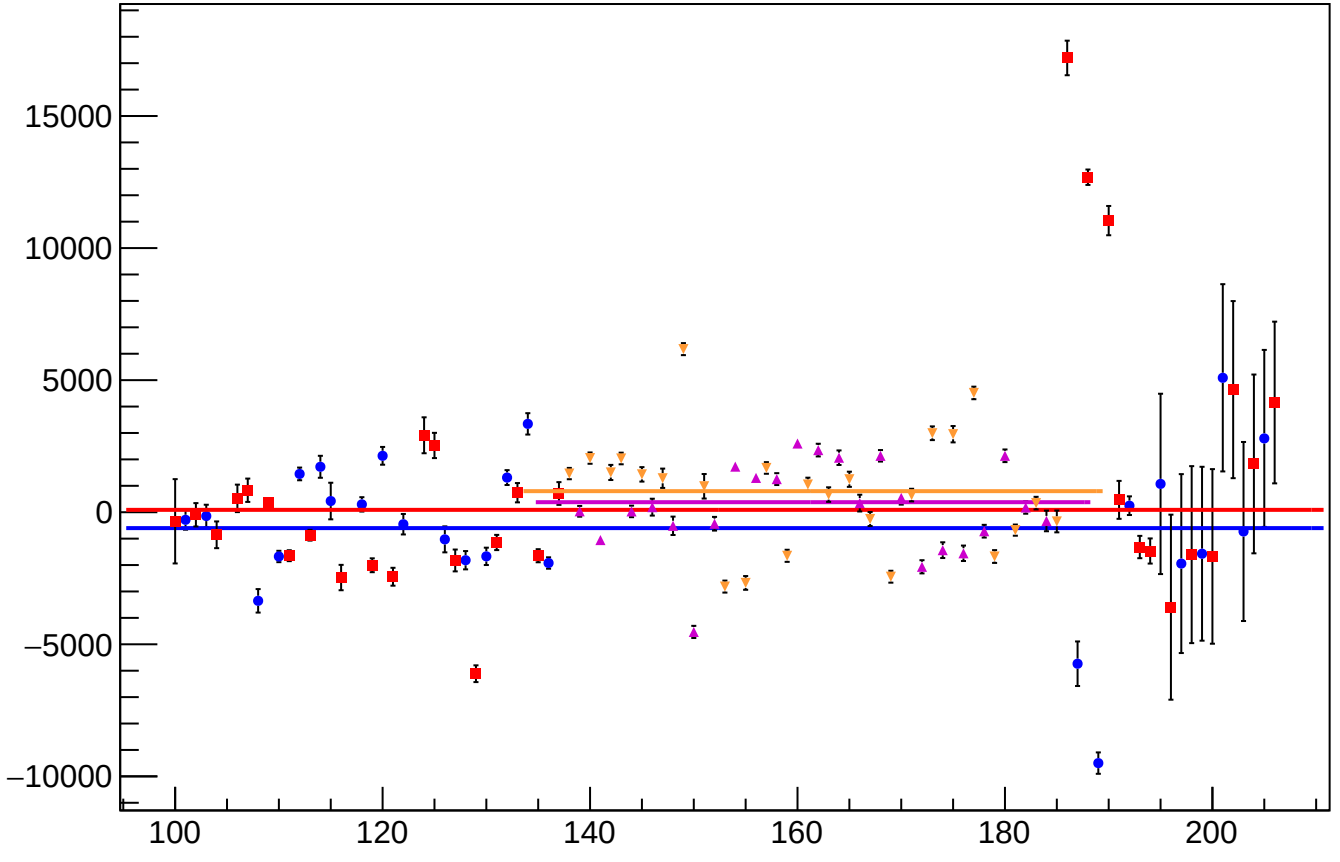
Right: 215.920+/-0.029 χ^2/NDF: 3677633.0/55

In: 212.144+/-0.027 χ^2/NDF:2470942.6/47

Out: 218.225+/-0.027 χ^2/NDF:3219146.3/55

All: 215.243+/-0.019 χ^2/NDF: 5715542.2/103

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -601.619+/-76.378 χ^2/NDF: 980.6/24

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 89.547+/-68.098 χ^2/NDF: 3735.6/30

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

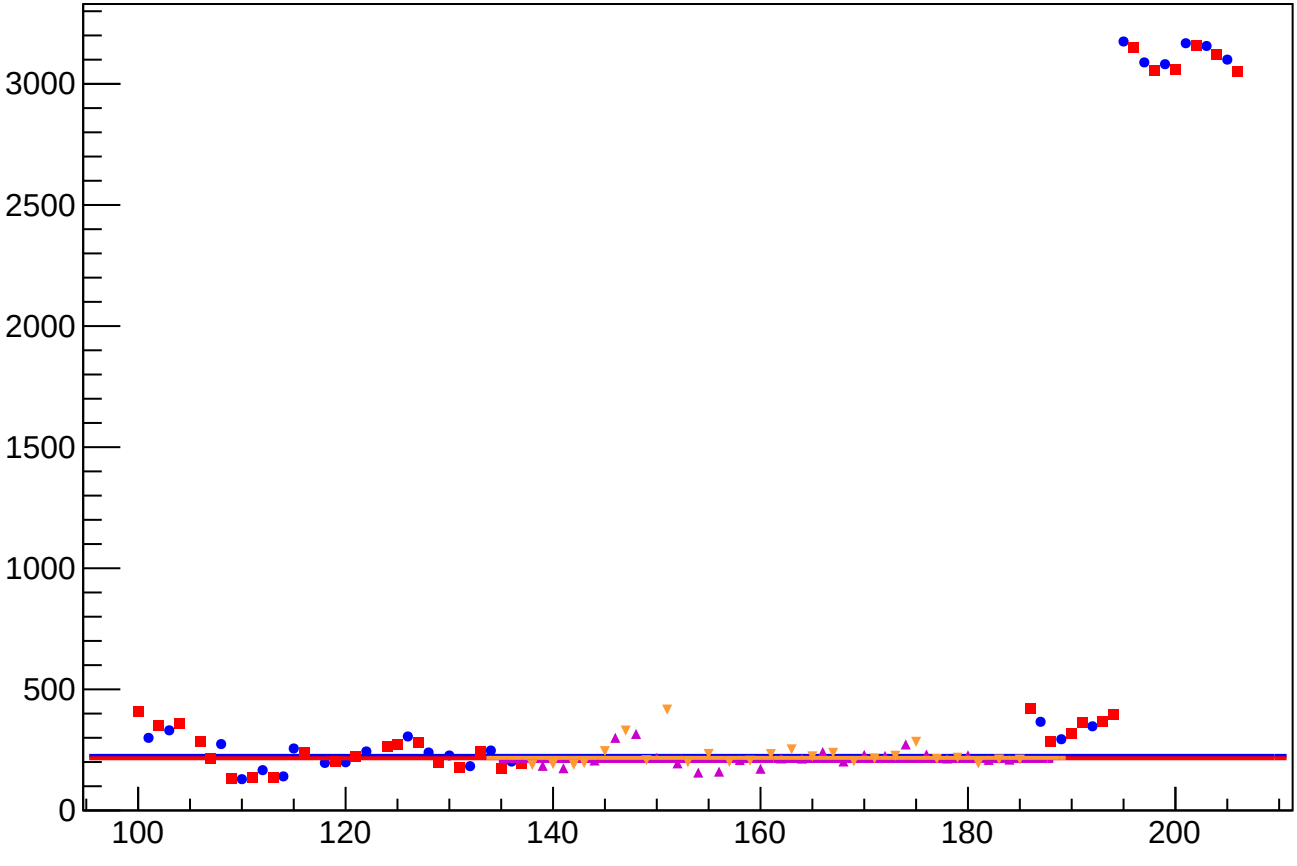
Right: -216.558+/-50.829 χ^2/NDF: 4761.9/55

In: 91.968+/-41.351 χ^2/NDF:2298.5/47

Out: 546.326+/-40.561 χ^2/NDF:5766.2/55

All: 323.532+/-28.956 χ^2/NDF: 8126.2/103

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 225.339+/-0.054 χ^2/NDF: 10129148.4/24

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 215.507+/-0.048 χ^2/NDF: 11687841.6/30

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

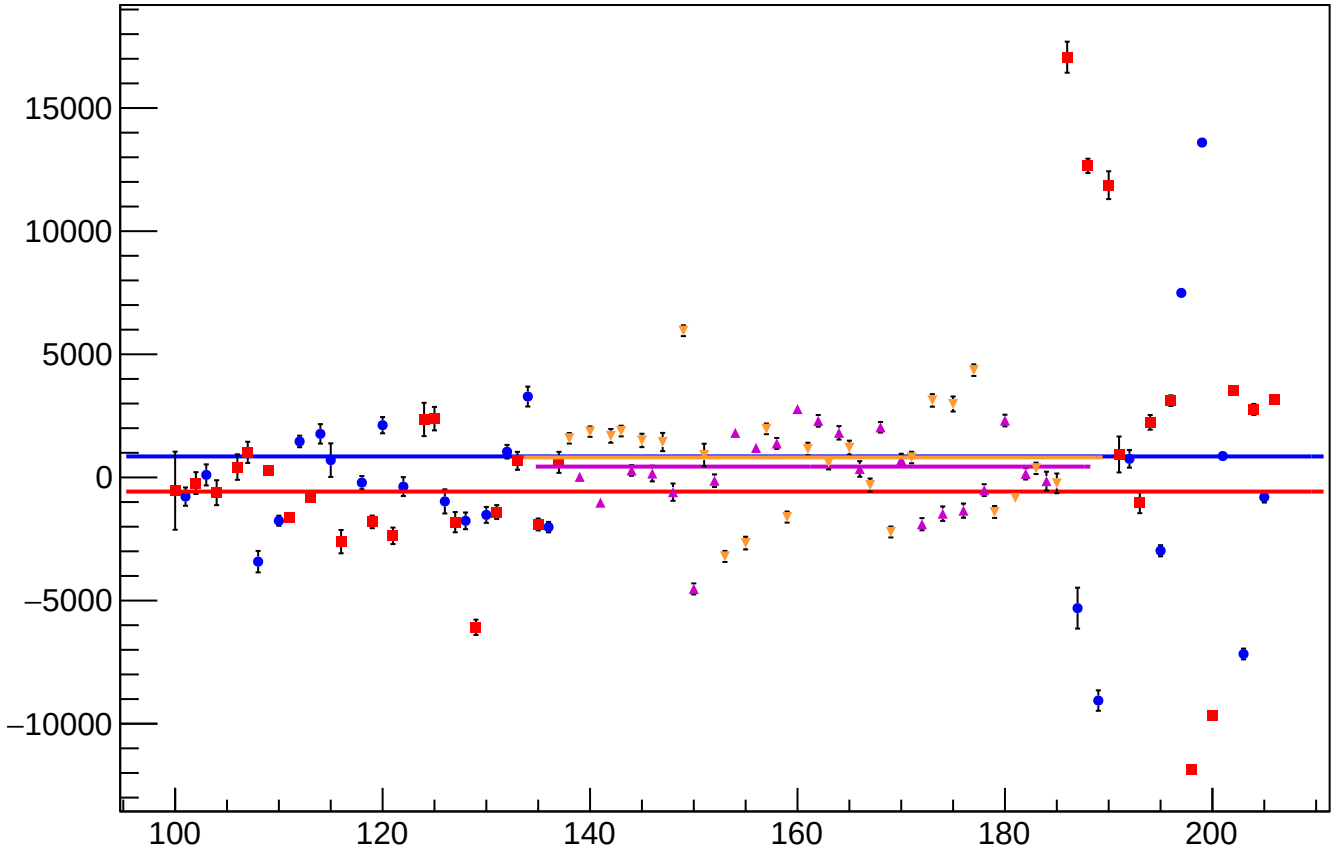
Right: 219.862+/-0.036 χ^2/NDF: 21835452.4/55

In: 210.473+/-0.029 χ^2/NDF:11251388.1/47

Out: 216.615+/-0.029 χ^2/NDF:12599107.0/55

All: 213.603+/-0.020 χ^2/NDF: 23872987.2/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 853.104+/-56.064 χ^2/NDF: 8741.8/24

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -573.929+/-51.678 χ^2/NDF: 10636.8/30

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

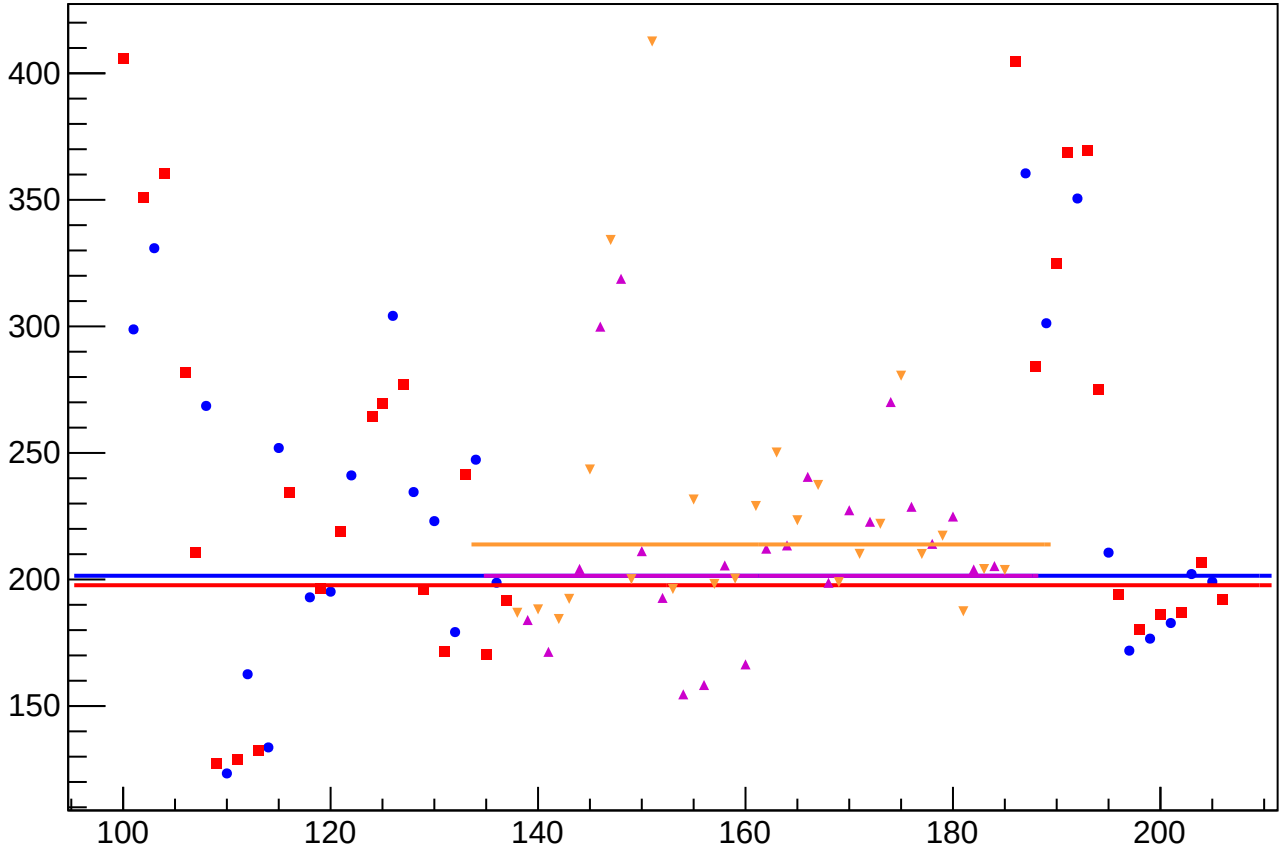
Right: 81.591+/-37.998 χ^2/NDF: 19728.9/55

In: 616.785+/-36.695 χ^2/NDF:10007.9/47

Out: 146.415+/-35.844 χ^2/NDF:13011.6/55

All: 376.086+/-25.641 χ^2/NDF: 23103.6/103

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.477+/-0.040 χ^2/NDF: 1600947.9/24

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.734+/-0.037 χ^2/NDF: 2638881.6/30

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

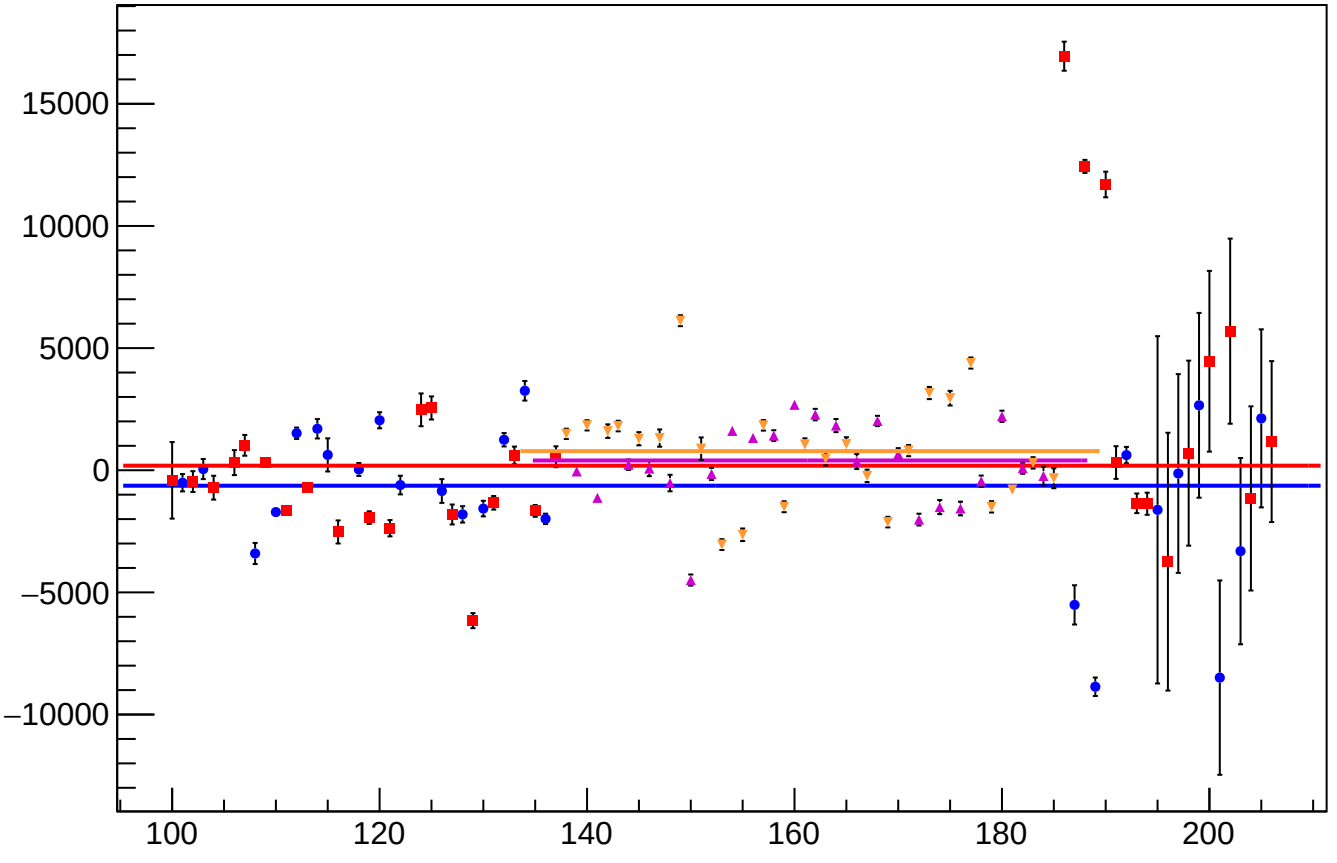
Right: 199.453+/-0.027 χ^2/NDF: 4244648.1/55

In: 201.459+/-0.026 χ^2/NDF:2662920.6/47

Out: 206.096+/-0.025 χ^2/NDF:3703369.1/55

All: 203.832+/-0.018 χ^2/NDF: 6382631.2/103

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -633.475+/-73.993 χ^2/NDF: 998.2/24

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.620+/-65.423 χ^2/NDF: 4276.2/30

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

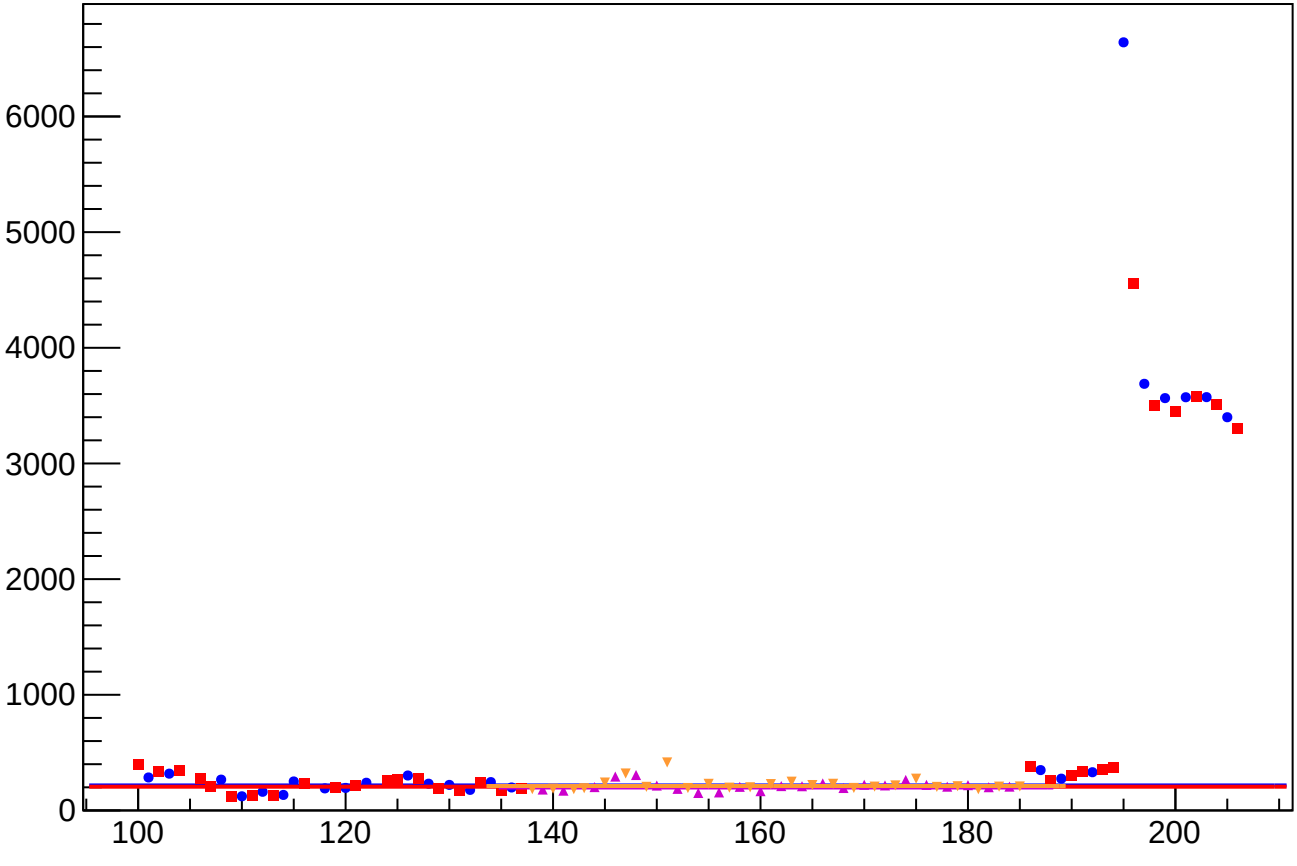
Right: -173.207+/-49.012 χ^2/NDF: 5343.3/55

In: 95.388+/-40.162 χ^2/NDF:2367.8/47

Out: 567.176+/-39.321 χ^2/NDF:6330.4/55

All: 336.271+/-28.097 χ^2/NDF: 8768.6/103

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 216.353+/-0.052 χ^2/NDF: 10502924.1/24

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 205.424+/-0.046 χ^2/NDF: 11908066.2/30

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

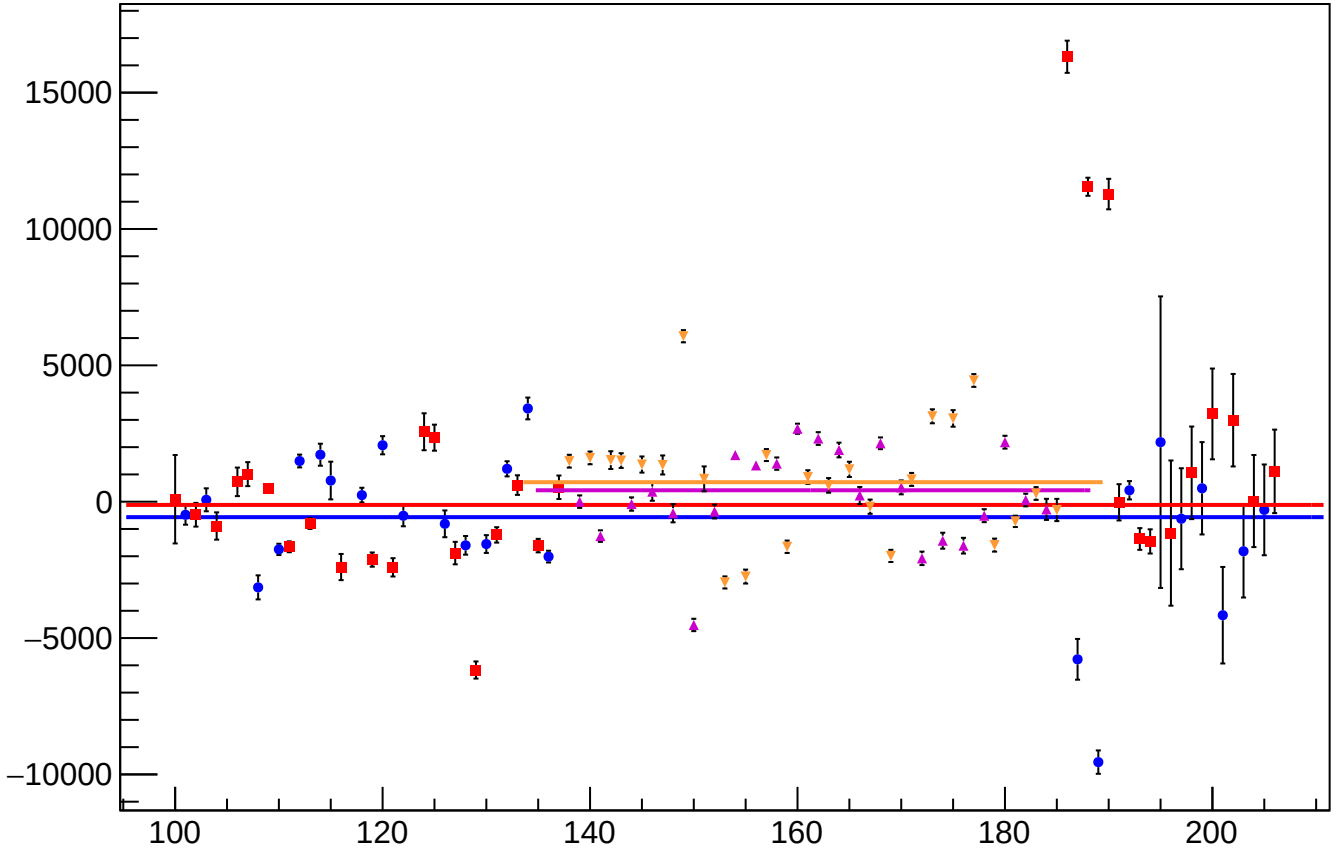
Right: 210.219+/-0.035 χ^2/NDF: 22435478.1/55

In: 203.777+/-0.028 χ^2/NDF:11591286.9/47

Out: 209.302+/-0.028 χ^2/NDF:12854047.8/55

All: 206.598+/-0.020 χ^2/NDF: 24464663.6/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -566.774+/-74.933 χ^2/NDF: 958.4/24

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -118.114+/-67.016 χ^2/NDF: 3167.2/30

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

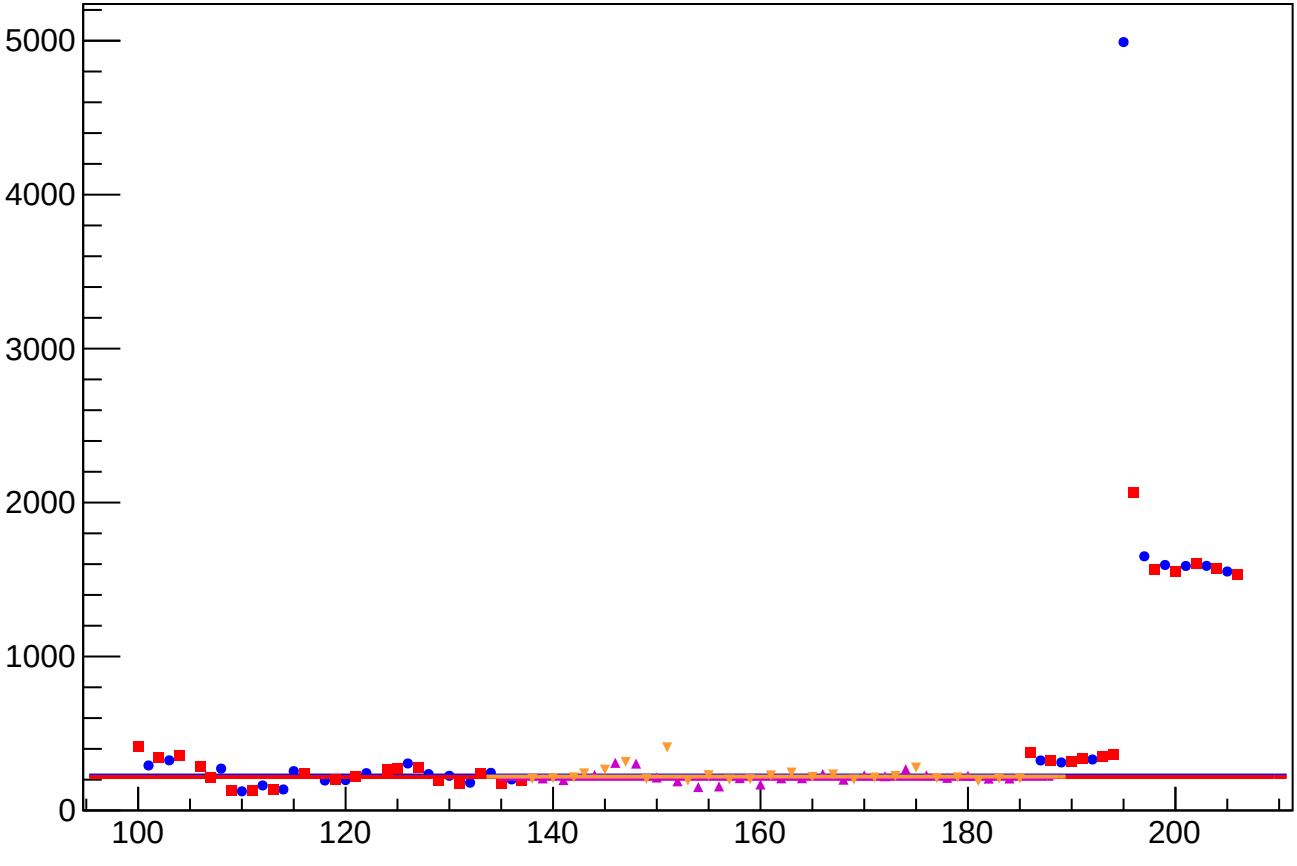
Right: -317.497+/-49.953 χ^2/NDF: 4145.5/55

In: 119.025+/-41.316 χ^2/NDF:2319.7/47

Out: 409.032+/-40.640 χ^2/NDF:5183.0/55

All: 266.420+/-28.973 χ^2/NDF: 7527.8/103

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 226.694+/-0.053 χ^2/NDF: 9249153.0/24

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 217.238+/-0.047 χ^2/NDF: 10362795.0/30

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

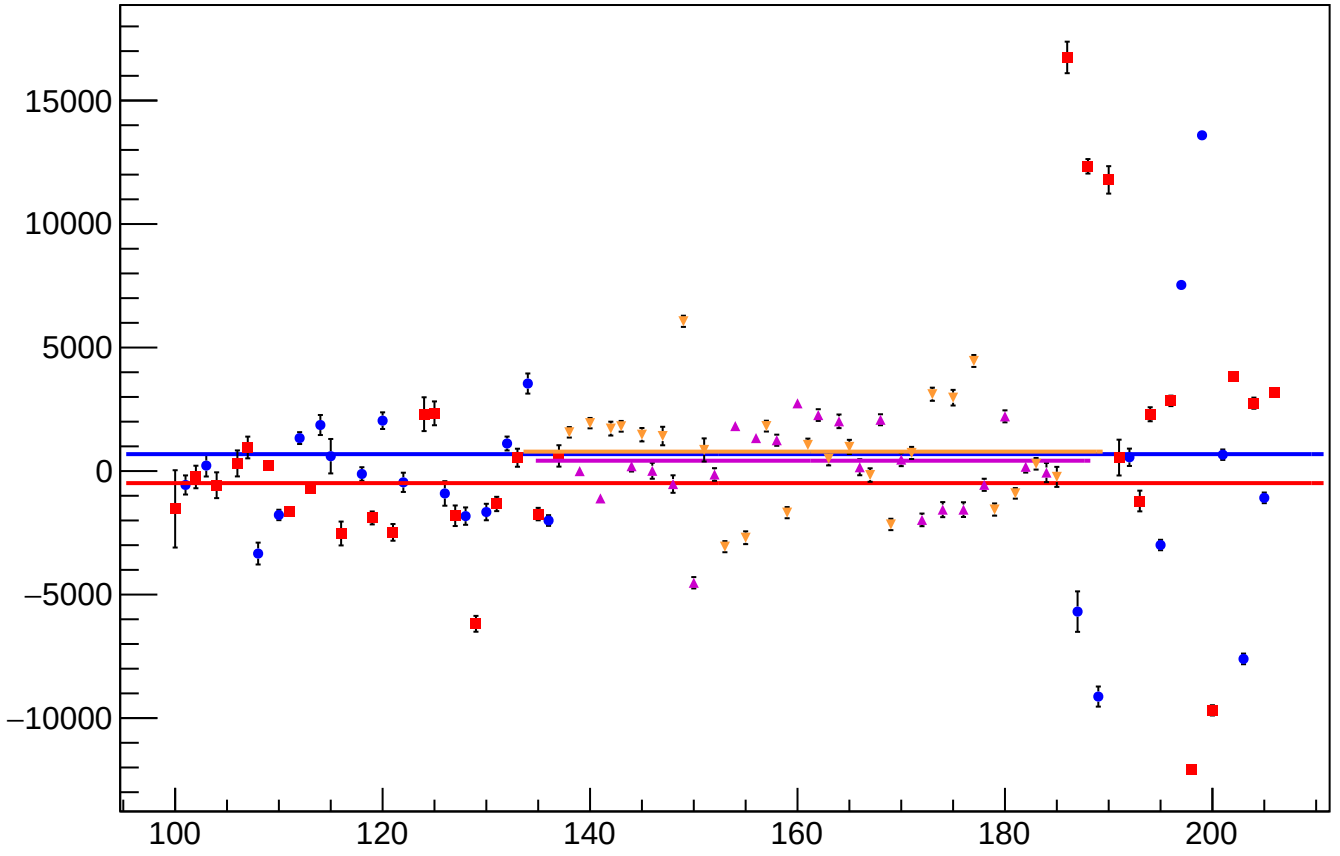
Right: 221.441+/-0.035 χ^2/NDF: 19629643.5/55

In: 211.930+/-0.029 χ^2/NDF:10374673.9/47

Out: 219.076+/-0.029 χ^2/NDF:11164872.9/55

All: 215.562+/-0.020 χ^2/NDF: 21569954.1/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 685.087+/-56.686 χ^2/NDF: 8755.9/24

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -487.823+/-52.480 χ^2/NDF: 10280.8/30

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

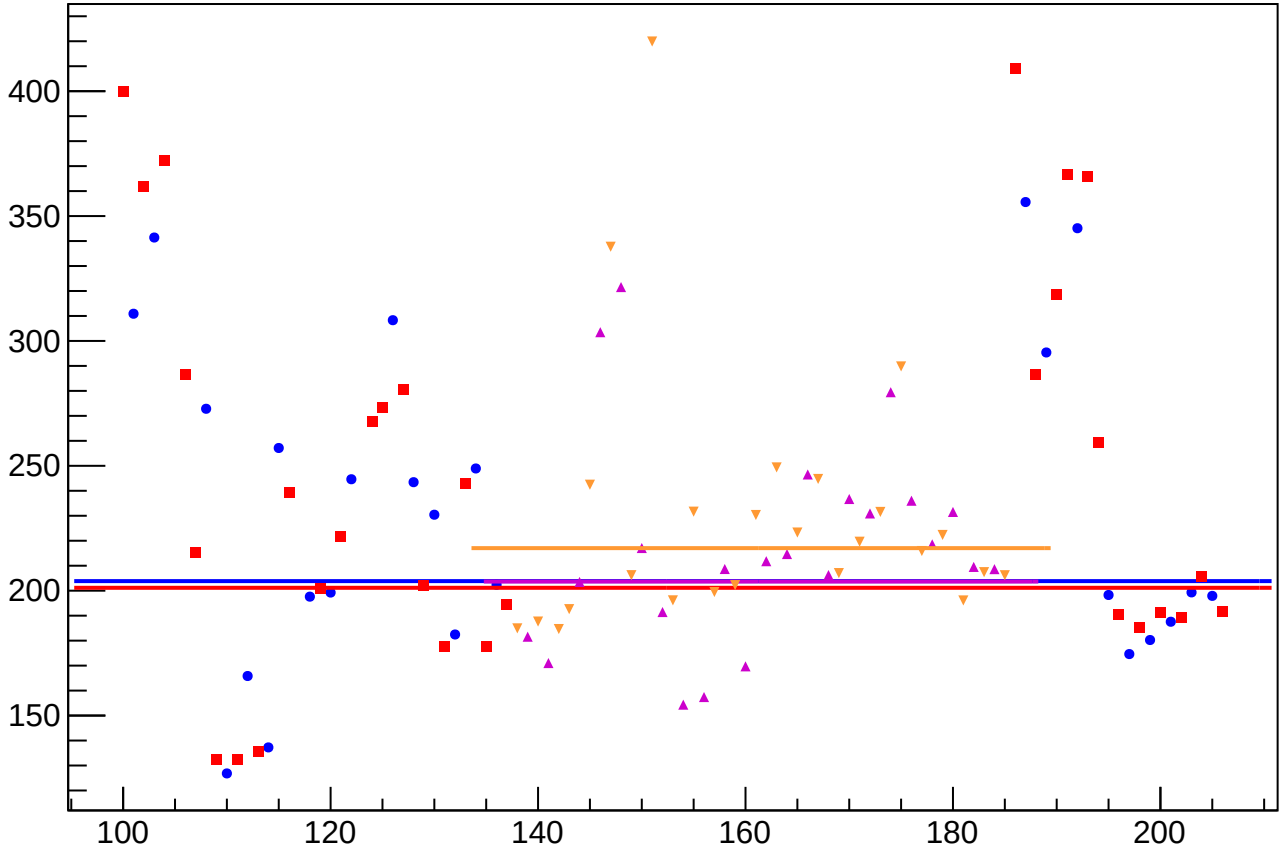
Right: 53.519+/-38.510 χ^2/NDF: 19267.2/55

In: 533.097+/-37.136 χ^2/NDF:9979.5/47

Out: 173.754+/-36.398 χ^2/NDF:12524.6/55

All: 349.821+/-25.994 χ^2/NDF: 22551.8/103

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 203.835+/-0.040 χ^2/NDF: 1548109.9/24

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.158+/-0.037 χ^2/NDF: 2481802.9/30

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

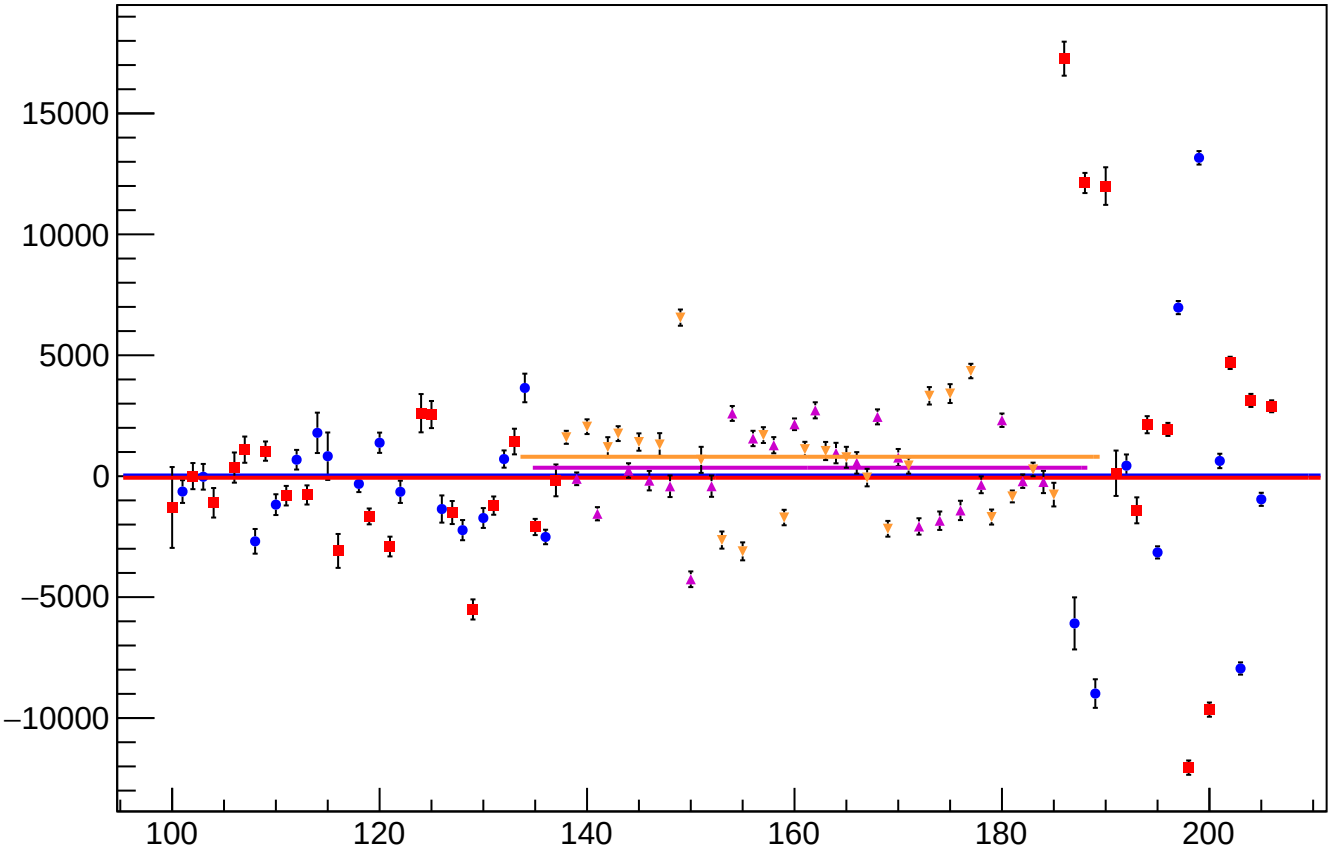
Right: 202.394+/-0.027 χ^2/NDF: 4032314.9/55

In: 203.735+/-0.026 χ^2/NDF:2713455.7/47

Out: 209.401+/-0.026 χ^2/NDF:3560032.6/55

All: 206.625+/-0.018 χ^2/NDF: 6297229.4/103

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 29.506+/-76.131 χ^2/NDF: 4529.0/24

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -63.352+/-72.566 χ^2/NDF: 5525.1/30

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

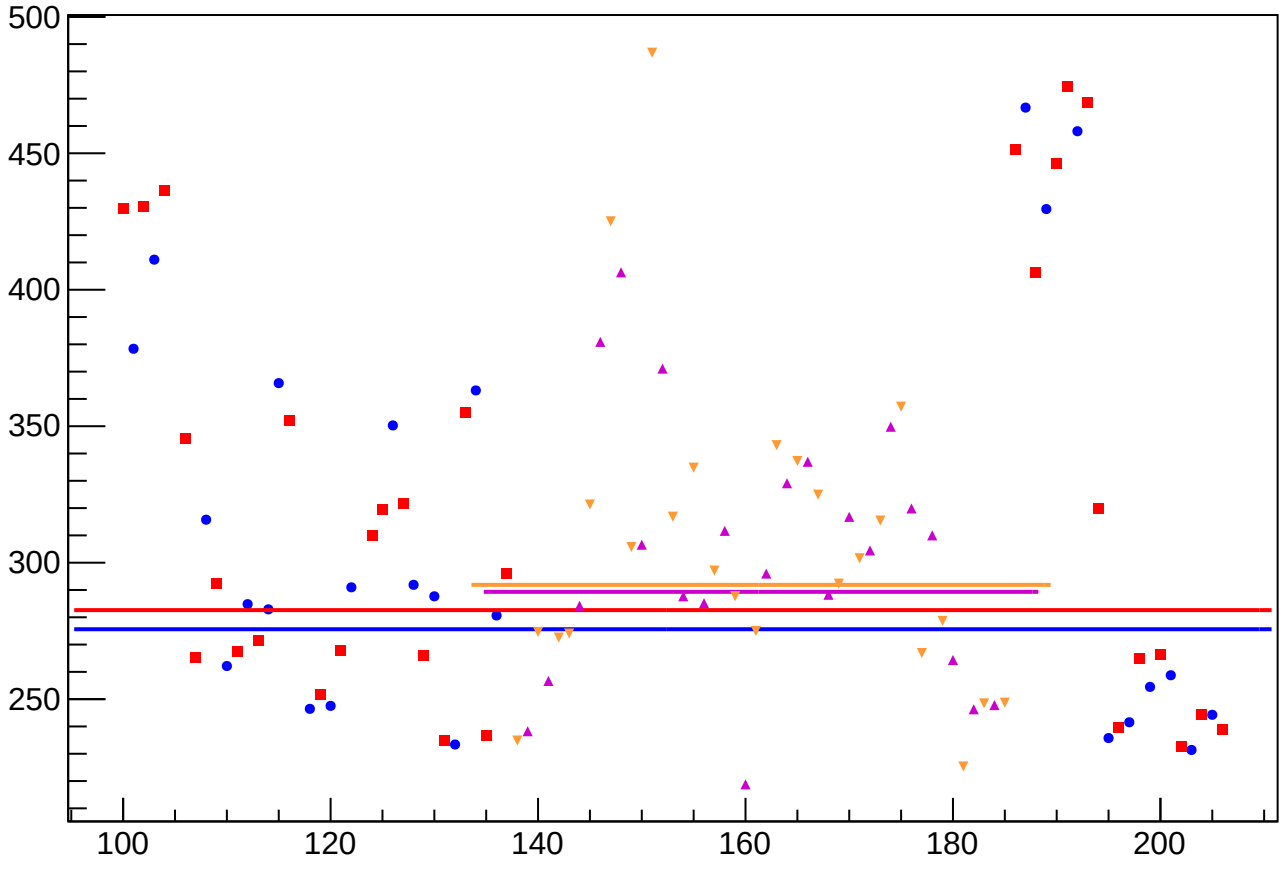
Right: -19.148+/-52.527 χ^2/NDF: 10054.9/55

In: 205.549+/-51.120 χ^2/NDF:5194.9/47

Out: 400.288+/-49.499 χ^2/NDF:6659.1/55

All: 306.054+/-35.560 χ^2/NDF: 11861.5/103

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 275.620+/-0.054 χ^2/NDF: 1089088.1/24

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.624+/-0.051 χ^2/NDF: 1466547.3/30

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

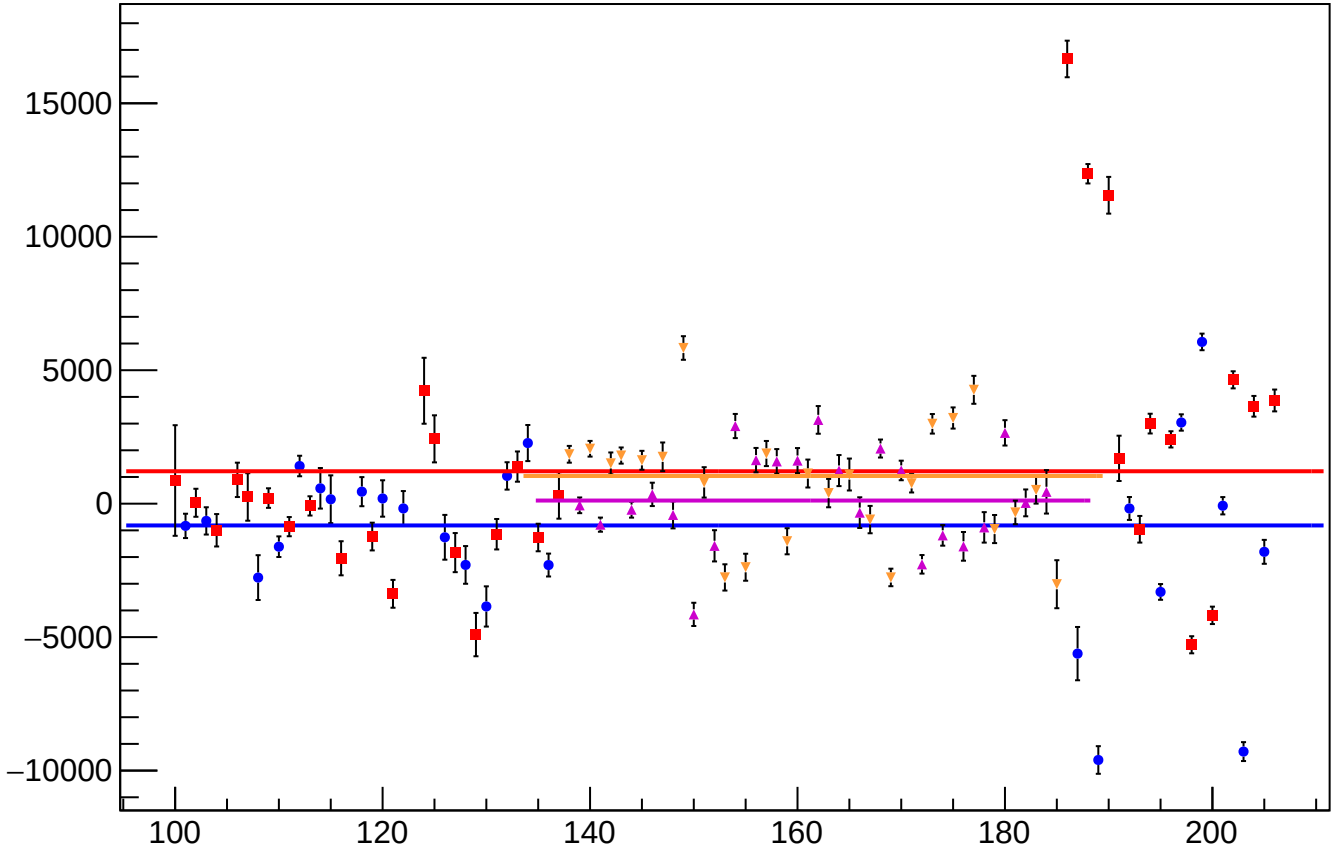
Right: 279.290+/-0.037 χ^2/NDF: 2564504.4/55

In: 283.144+/-0.036 χ^2/NDF:1933261.9/47

Out: 287.574+/-0.035 χ^2/NDF:2443874.6/55

All: 285.430+/-0.025 χ^2/NDF: 4384891.1/103

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -815.748+/-92.813 χ^2/NDF: 1738.6/24

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1214.609+/-85.623 χ^2/NDF: 2936.6/30

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

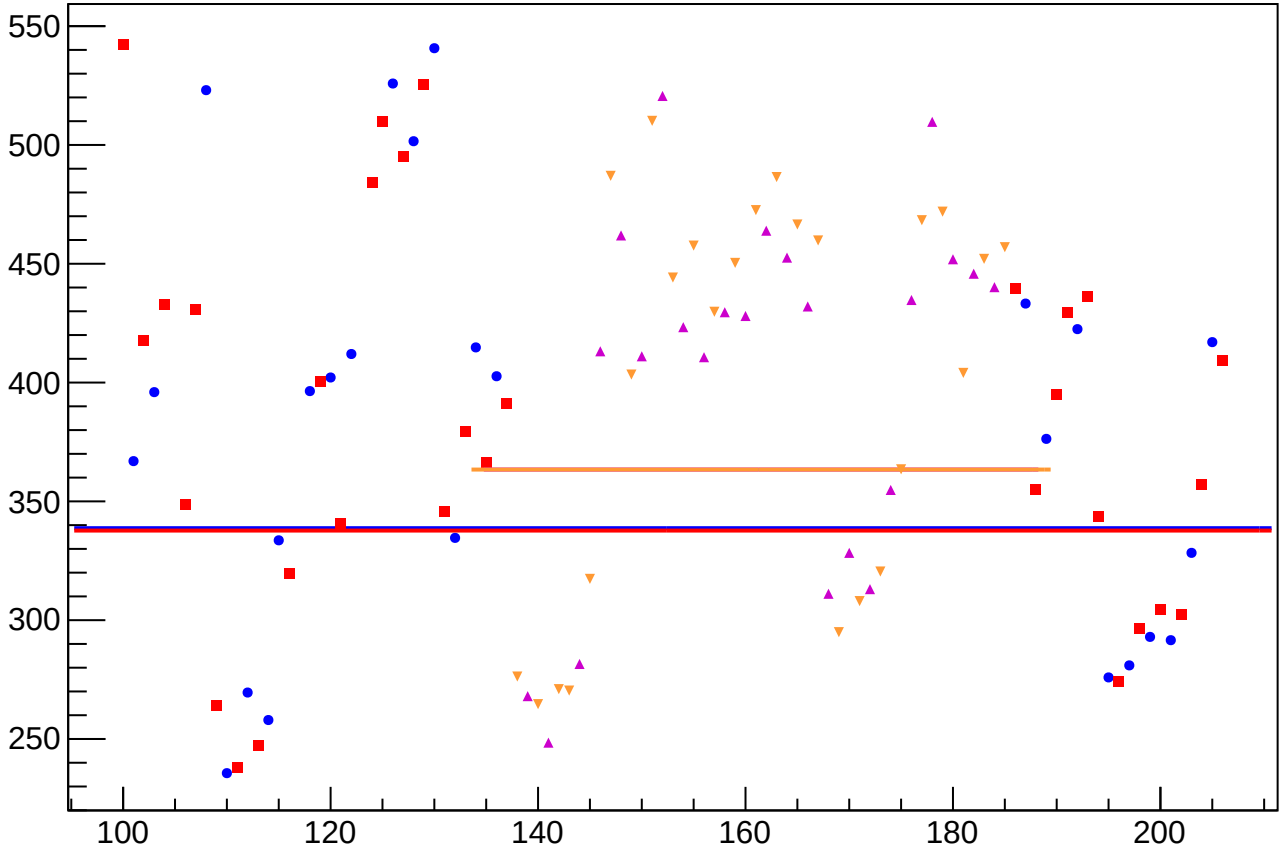
Right: 281.109+/-62.933 χ^2/NDF: 4933.7/55

In: -321.596+/-63.652 χ^2/NDF:2162.5/47

Out: 1125.531+/-60.395 χ^2/NDF:3508.9/55

All: 439.945+/-43.812 χ^2/NDF: 5943.4/103

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 338.715+/-0.066 χ^2/NDF: 1258034.6/24

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 337.714+/-0.061 χ^2/NDF: 1253042.7/30

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

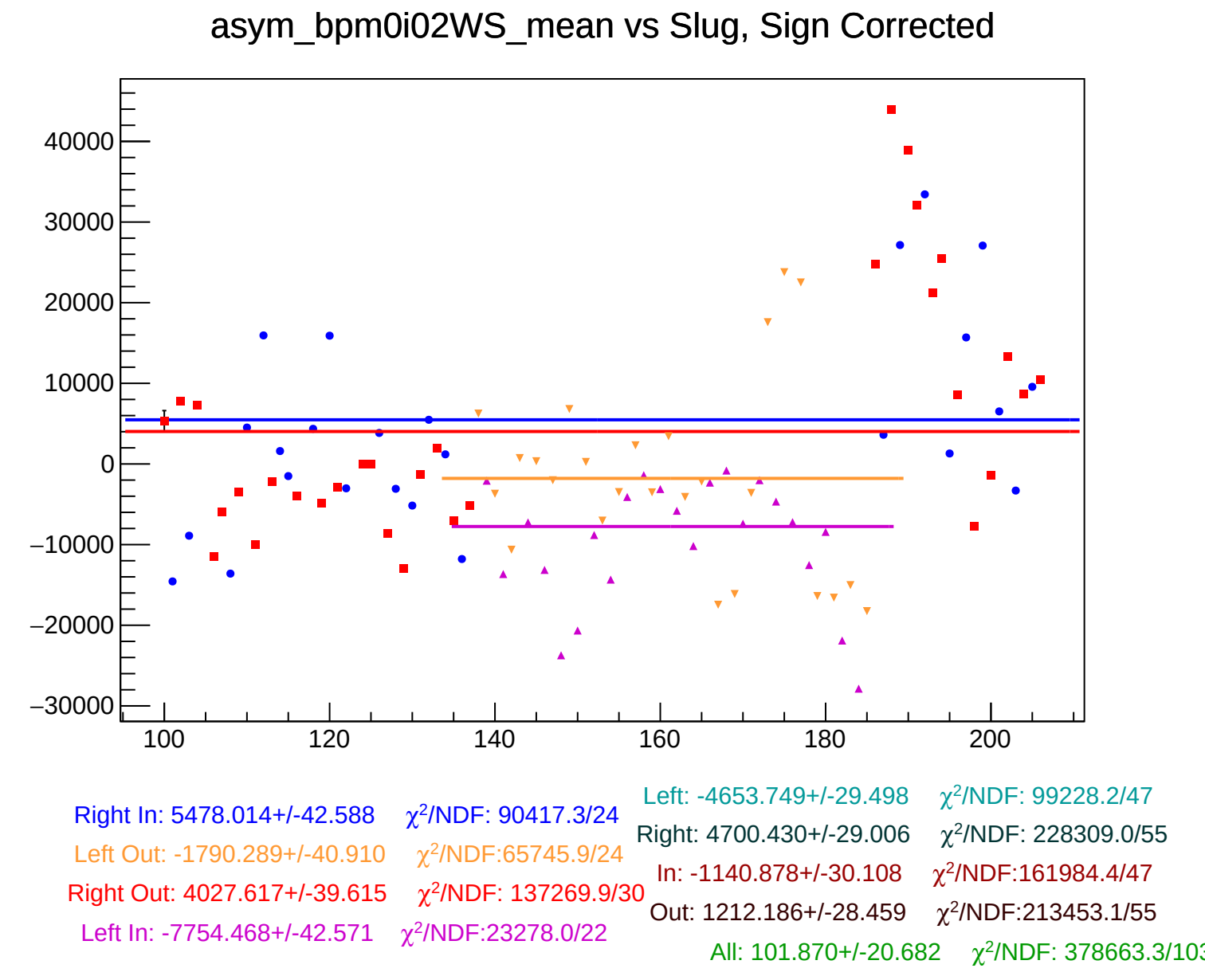
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 338.174+/-0.045 χ^2/NDF: 2511203.1/55

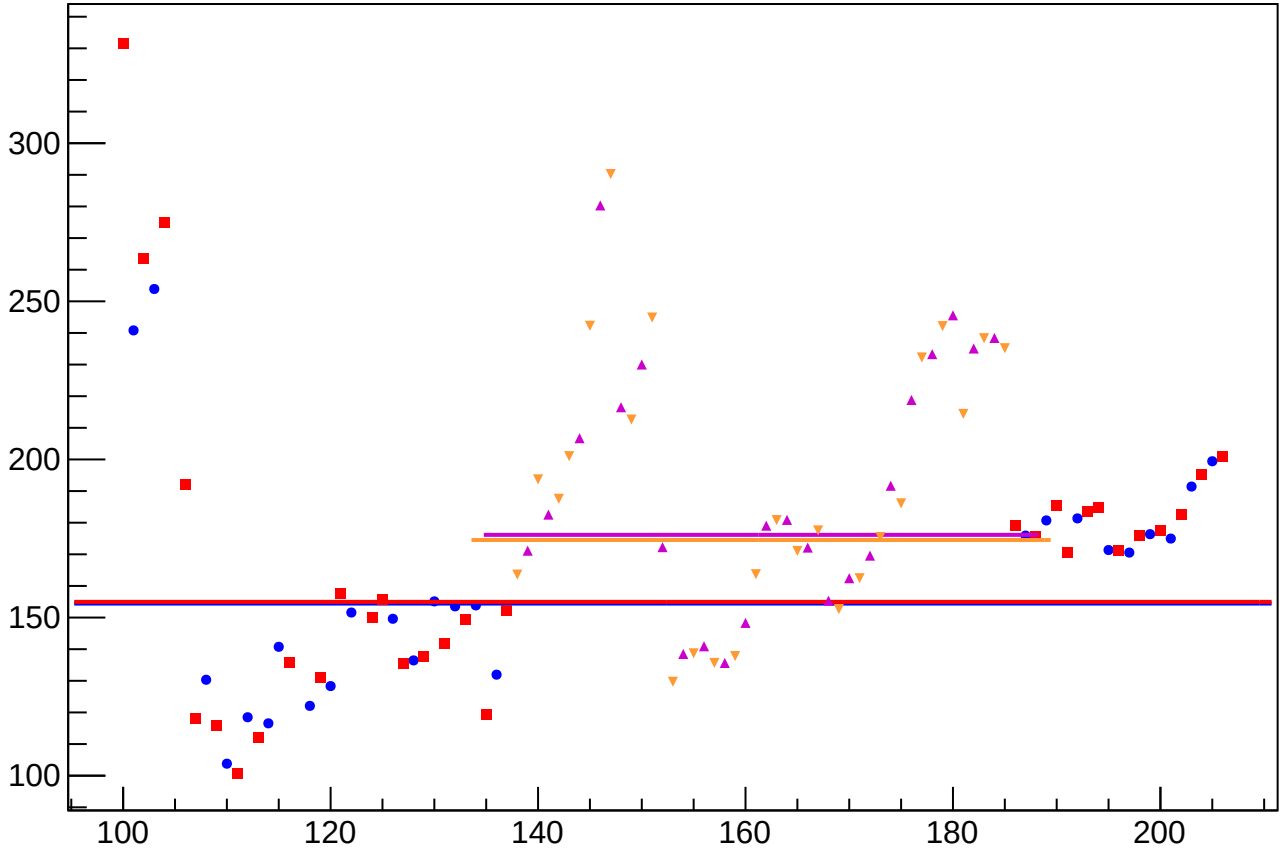
In: 351.782+/-0.045 χ^2/NDF:3044486.2/47

Out: 350.614+/-0.043 χ^2/NDF:3283890.5/55

All: 351.167+/-0.031 χ^2/NDF: 6328731.3/103


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 5478.014+/-42.588 χ²/NDF: 90417.3/24
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 4027.617+/-39.615 χ²/NDF: 137269.9/30
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 4700.430+/-29.006 χ²/NDF: 228309.0/55
In: -1140.878+/-30.108 χ²/NDF:161984.4/47
Out: 1212.186+/-28.459 χ²/NDF:213453.1/55
All: 101.870+/-20.682 χ²/NDF: 378663.3/103

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

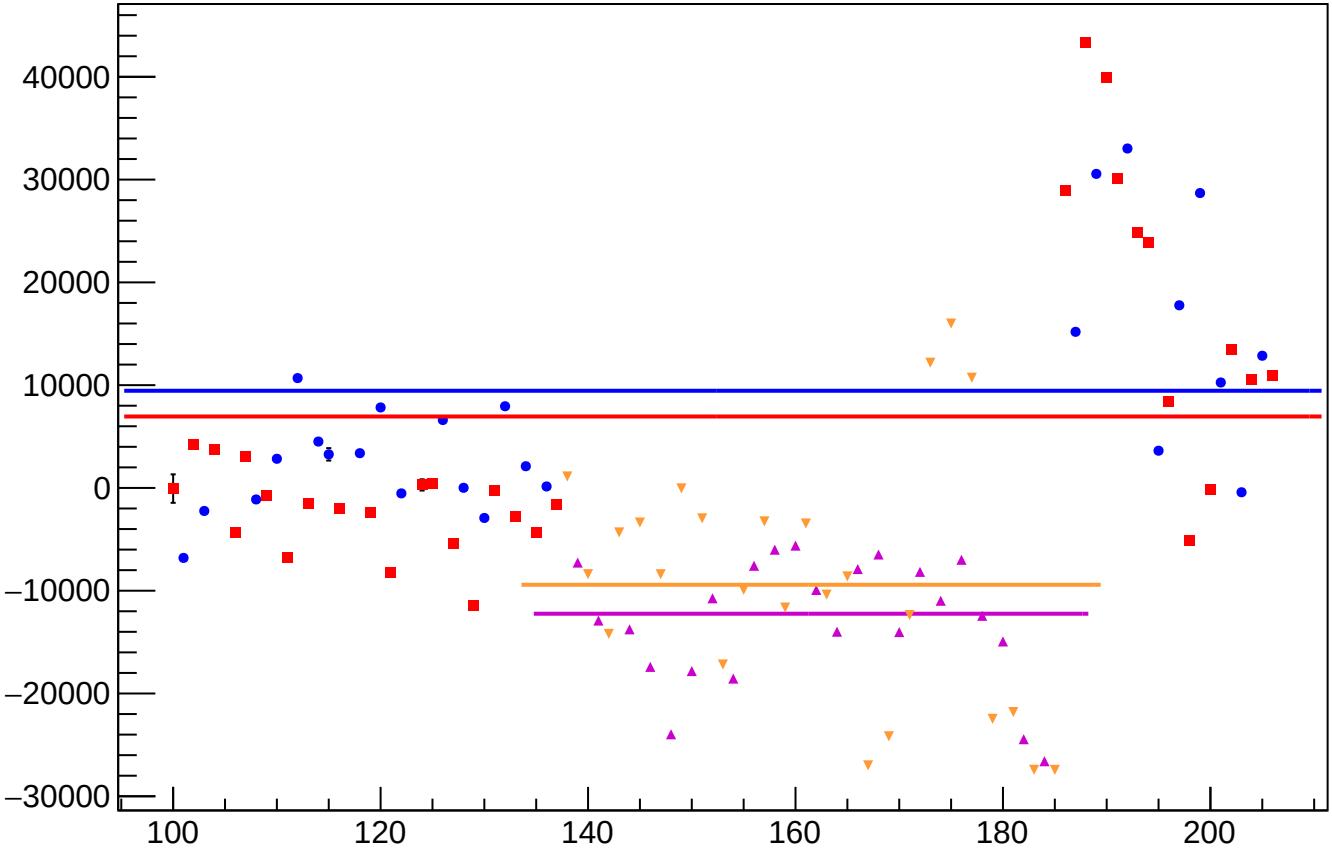
Right: 154.719+/-0.021 χ^2/NDF: 2743482.5/55

In: 165.297+/-0.021 χ^2/NDF:2759635.0/47

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 164.839+/-0.015 χ^2/NDF: 6266794.3/103

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6950.226+/-44.320 χ^2/NDF: 105809.8/30

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

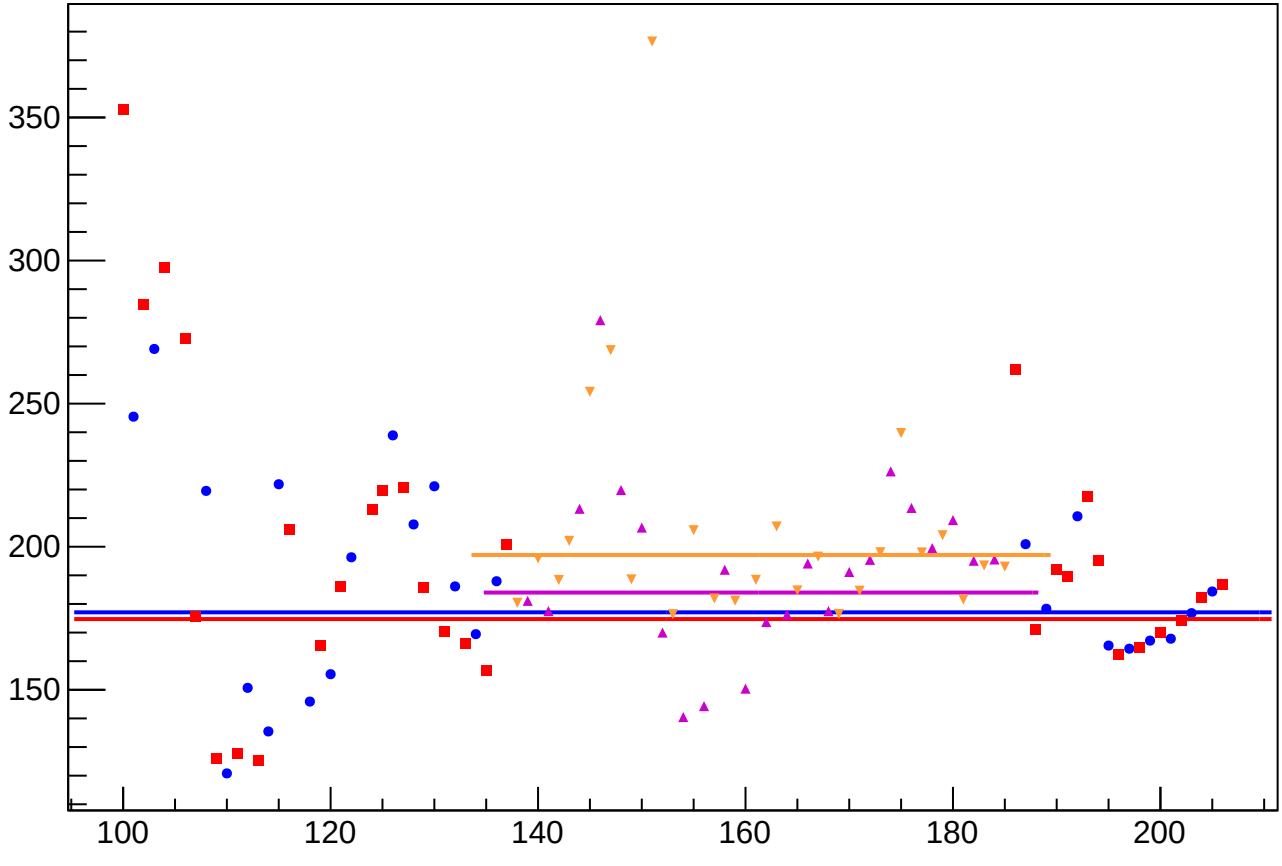
Right: 8095.184+/-32.654 χ^2/NDF: 158495.4/55

In: -2351.680+/-32.604 χ^2/NDF:177052.3/47

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1651.346+/-22.770 χ^2/NDF: 414610.2/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

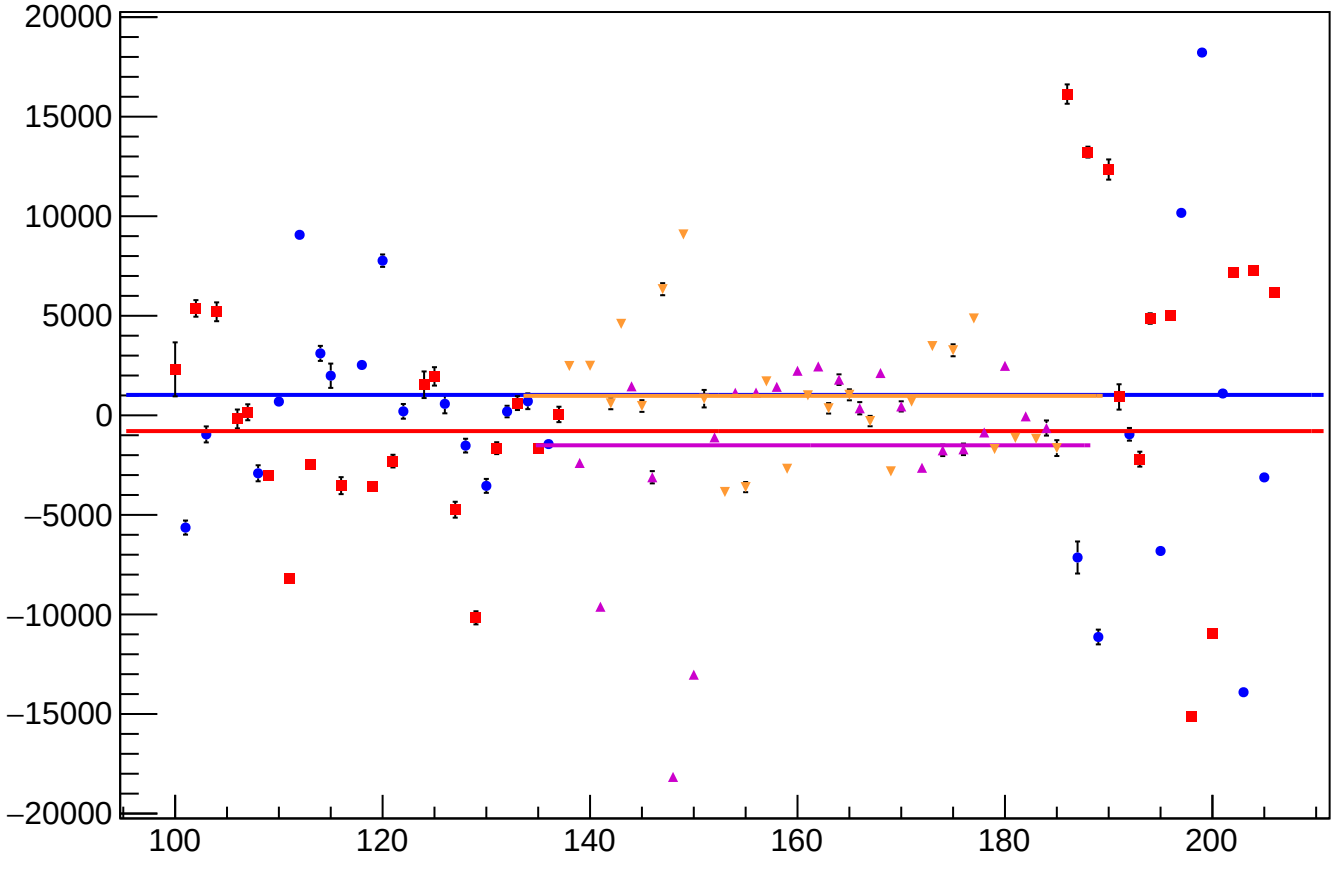
Right: 175.797+/-0.023 χ^2/NDF: 1971106.2/55

In: 180.835+/-0.023 χ^2/NDF:1614447.9/47

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.265+/-0.016 χ^2/NDF: 3822460.6/103

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -791.403+/-50.150 χ^2/NDF: 20901.1/30

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

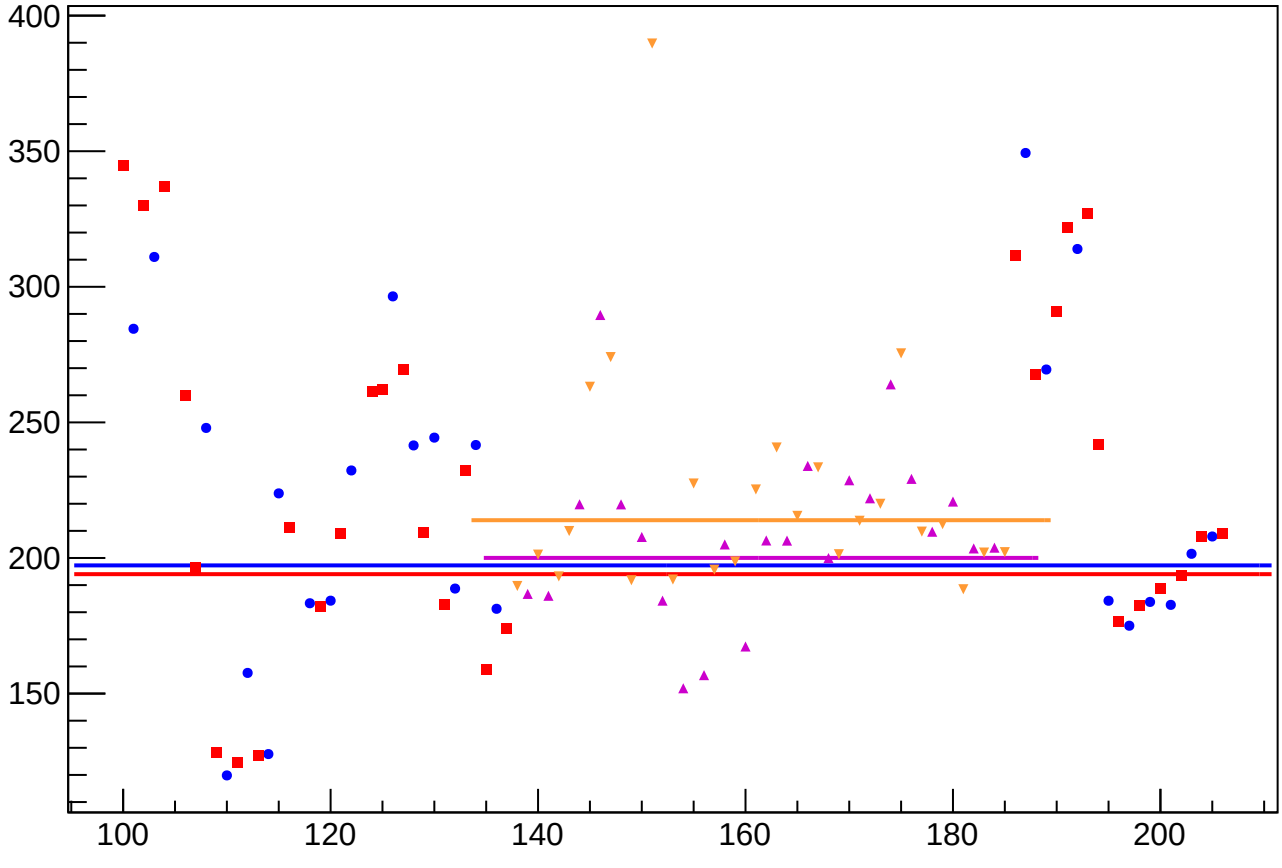
Right: 42.918+/-36.885 χ^2/NDF: 42206.7/55

In: -396.682+/-36.025 χ^2/NDF:33398.4/47

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -141.458+/-25.202 χ^2/NDF: 59350.2/103

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

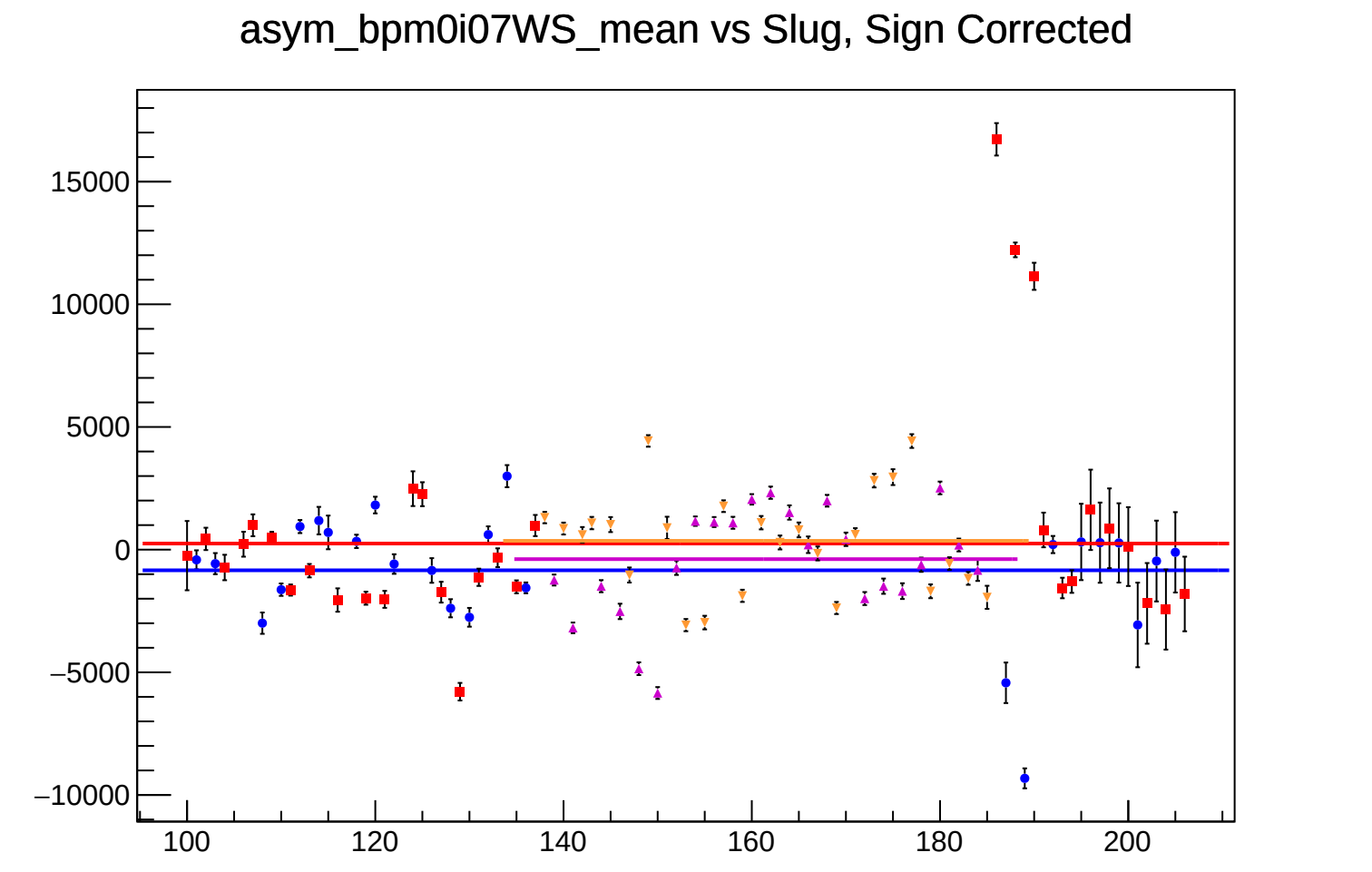
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.519+/-0.026 χ^2/NDF: 3703165.7/55

In: 198.821+/-0.025 χ^2/NDF:2233418.6/47

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.512+/-0.018 χ^2/NDF: 5402380.1/103



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 248.871+/-73.711 χ^2/NDF: 3275.7/30

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

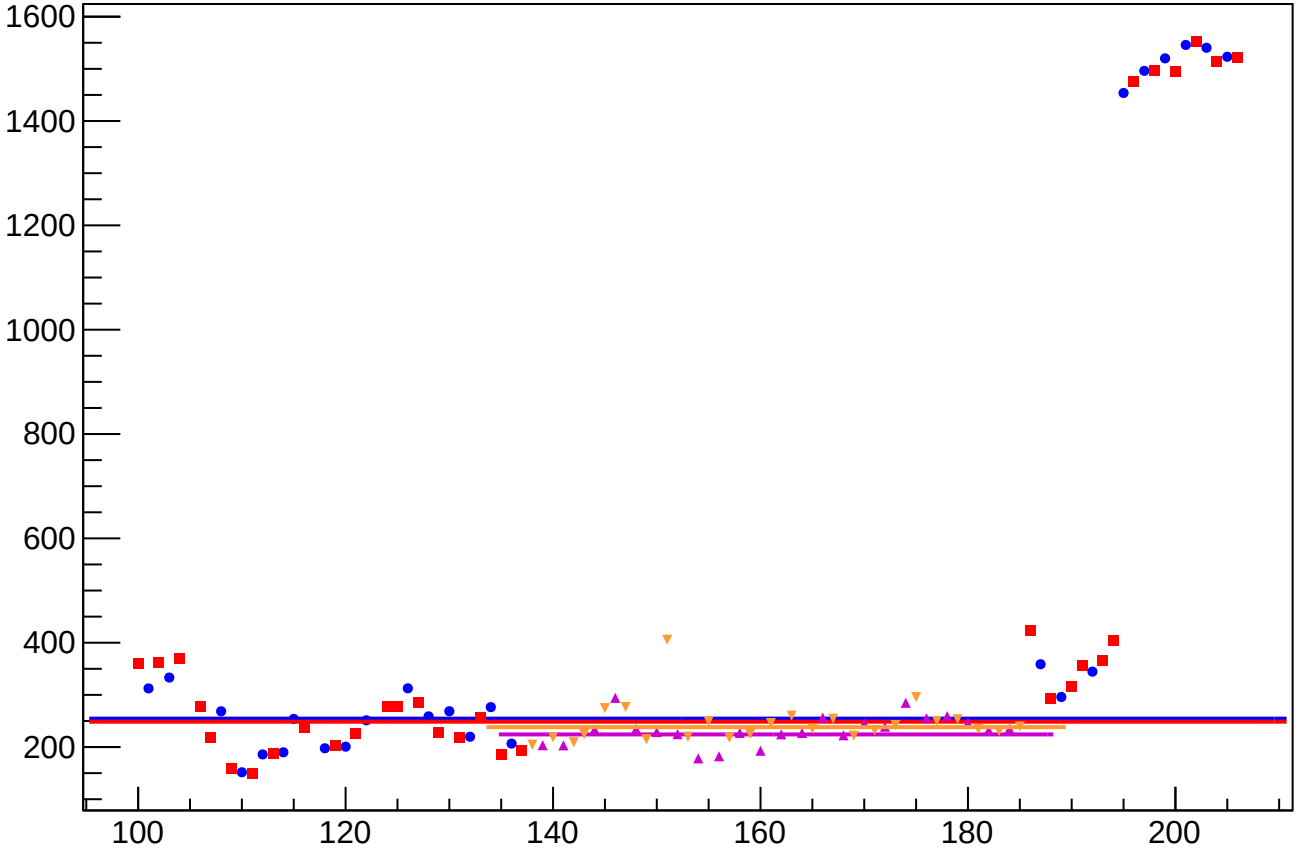
Right: -242.784+/-54.633 χ^2/NDF: 4174.1/55

In: -524.398+/-44.722 χ^2/NDF:2625.7/47

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -96.358+/-31.393 χ^2/NDF: 7502.3/103

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

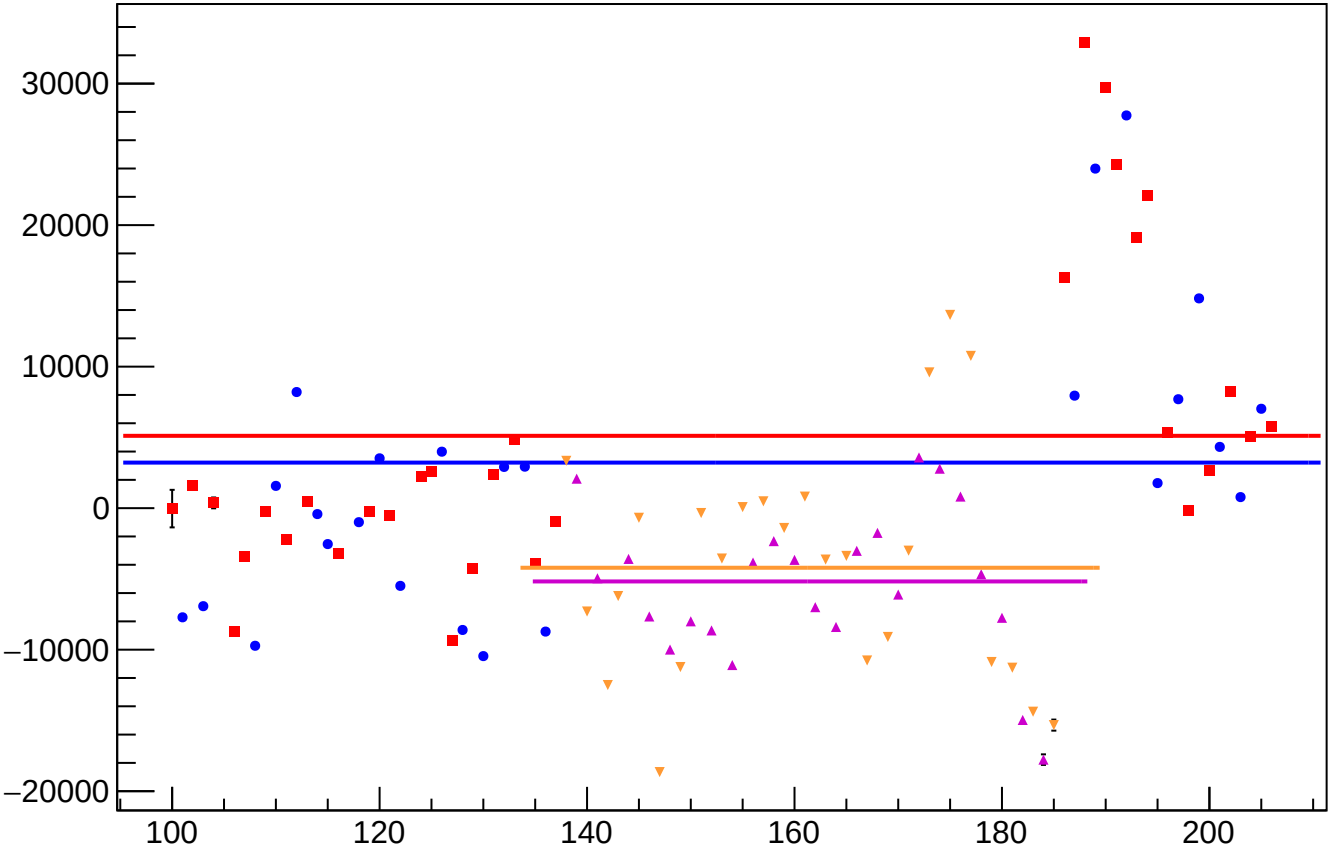
Right: 251.263+/-0.039 χ^2/NDF: 17557902.0/55

In: 233.349+/-0.032 χ^2/NDF:8941873.2/47

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 237.702+/-0.022 χ^2/NDF: 18939488.1/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5111.560+/-33.402 χ^2/NDF: 102903.5/30

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

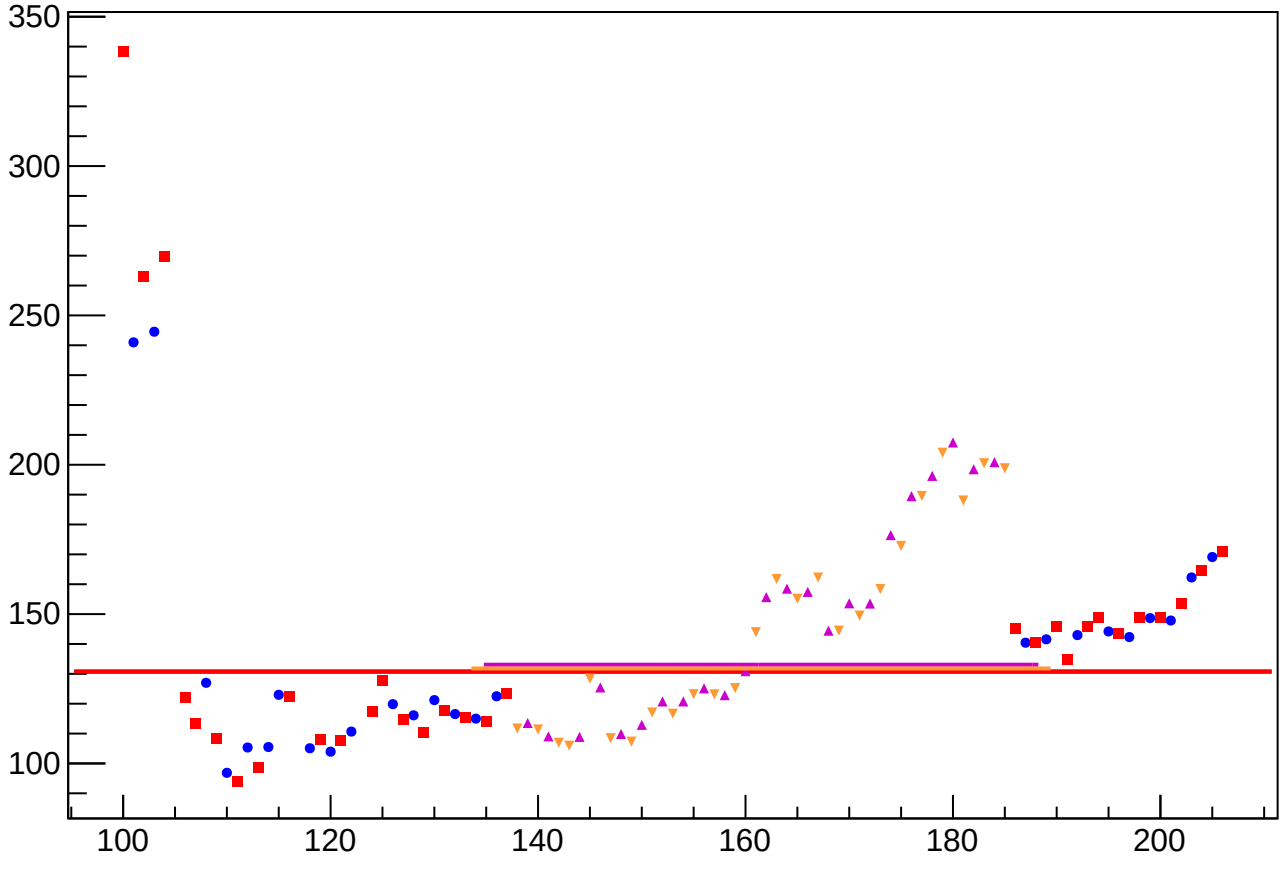
Right: 4240.048+/-24.531 χ^2/NDF: 180688.7/55

In: -1492.074+/-23.946 χ^2/NDF:125136.4/47

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -663.750+/-16.457 χ^2/NDF: 329172.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

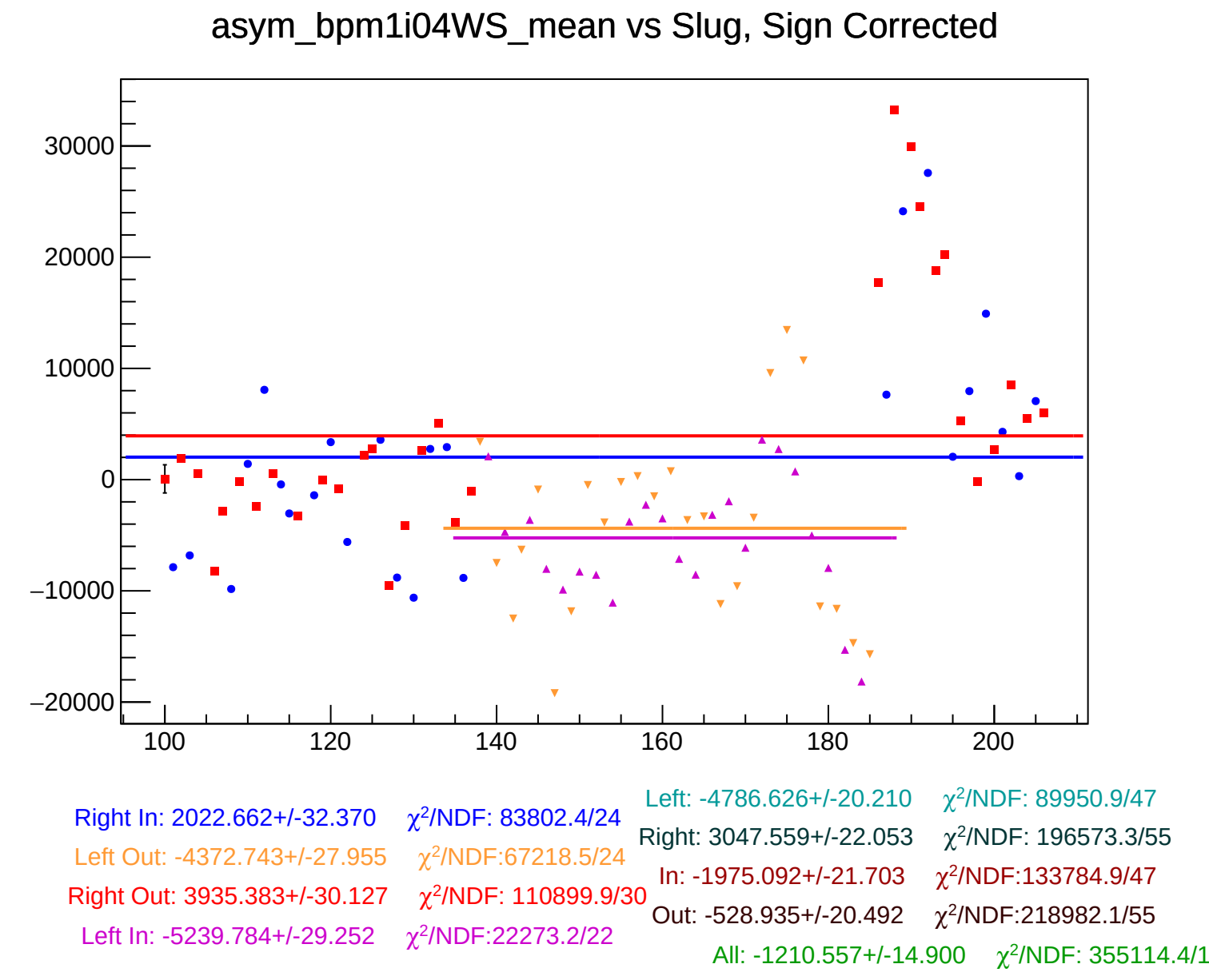
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 130.757+/-0.017 χ^2/NDF: 2566567.2/55

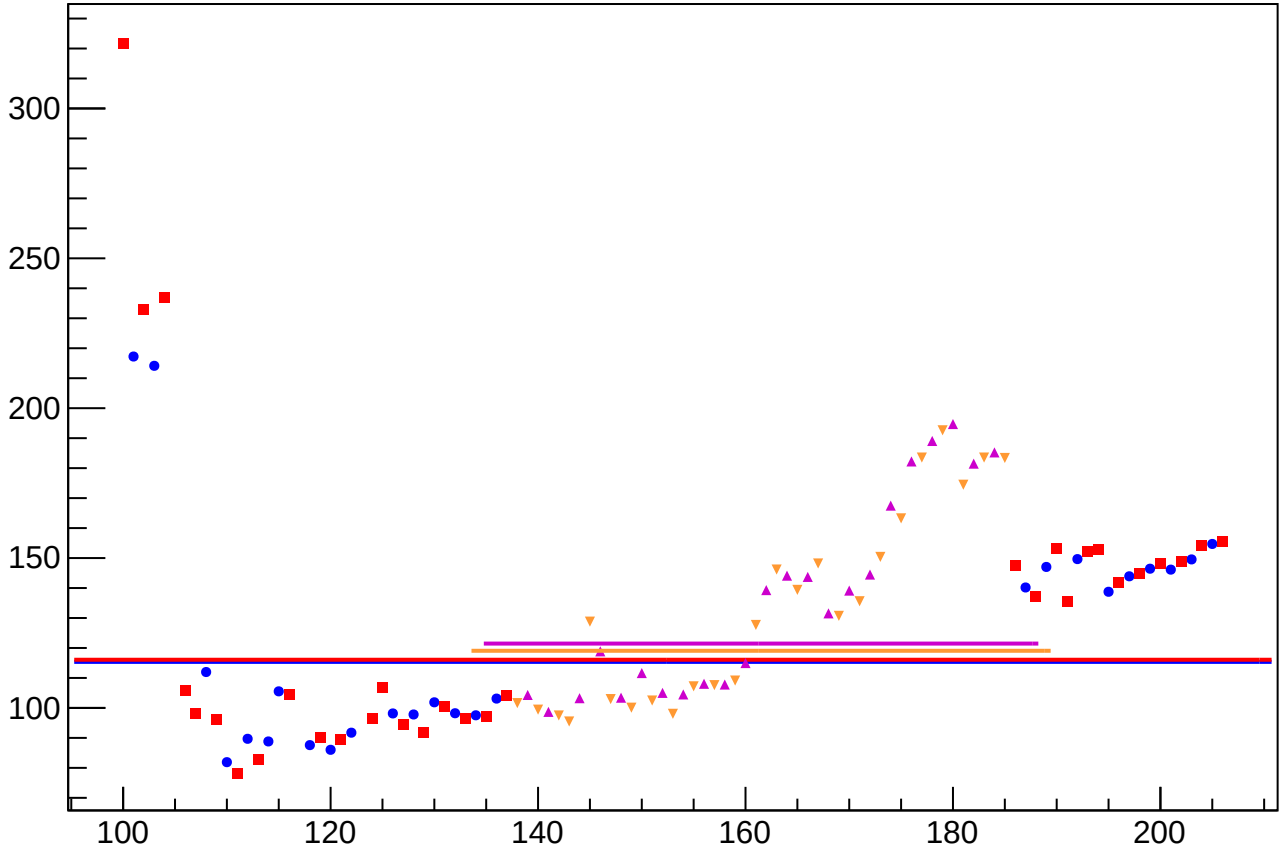
In: 132.045+/-0.017 χ^2/NDF:2543655.1/47

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 131.664+/-0.012 χ^2/NDF: 5535749.8/103


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 2022.662+/-32.370 χ²/NDF: 83802.4/24
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3935.383+/-30.127 χ²/NDF: 110899.9/30
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 3047.559+/-22.053 χ²/NDF: 196573.3/55
In: -1975.092+/-21.703 χ²/NDF:133784.9/47
Out: -528.935+/-20.492 χ²/NDF:218982.1/55
All: -1210.557+/-14.900 χ²/NDF: 355114.4/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 115.364+/-0.023 χ^2/NDF: 1752024.9/24

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 116.074+/-0.021 χ^2/NDF: 2258322.8/30

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

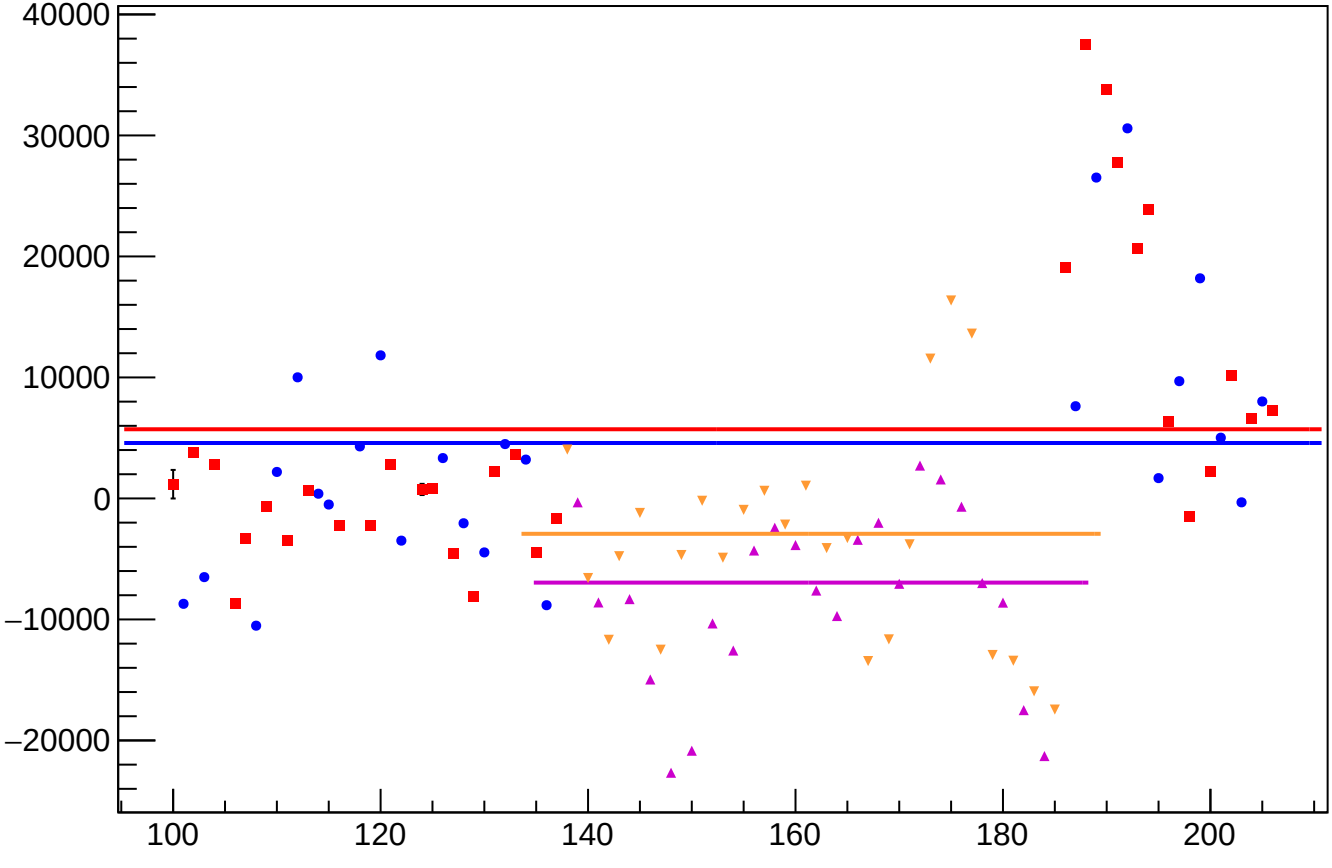
Right: 115.745+/-0.016 χ^2/NDF: 4010862.4/55

In: 118.724+/-0.015 χ^2/NDF:3320546.2/47

Out: 117.681+/-0.014 χ^2/NDF:4024339.2/55

All: 118.173+/-0.011 χ^2/NDF: 7347329.7/103

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4581.830+/-42.534 χ^2/NDF: 61181.3/24

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5716.725+/-39.628 χ^2/NDF: 92521.4/30

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

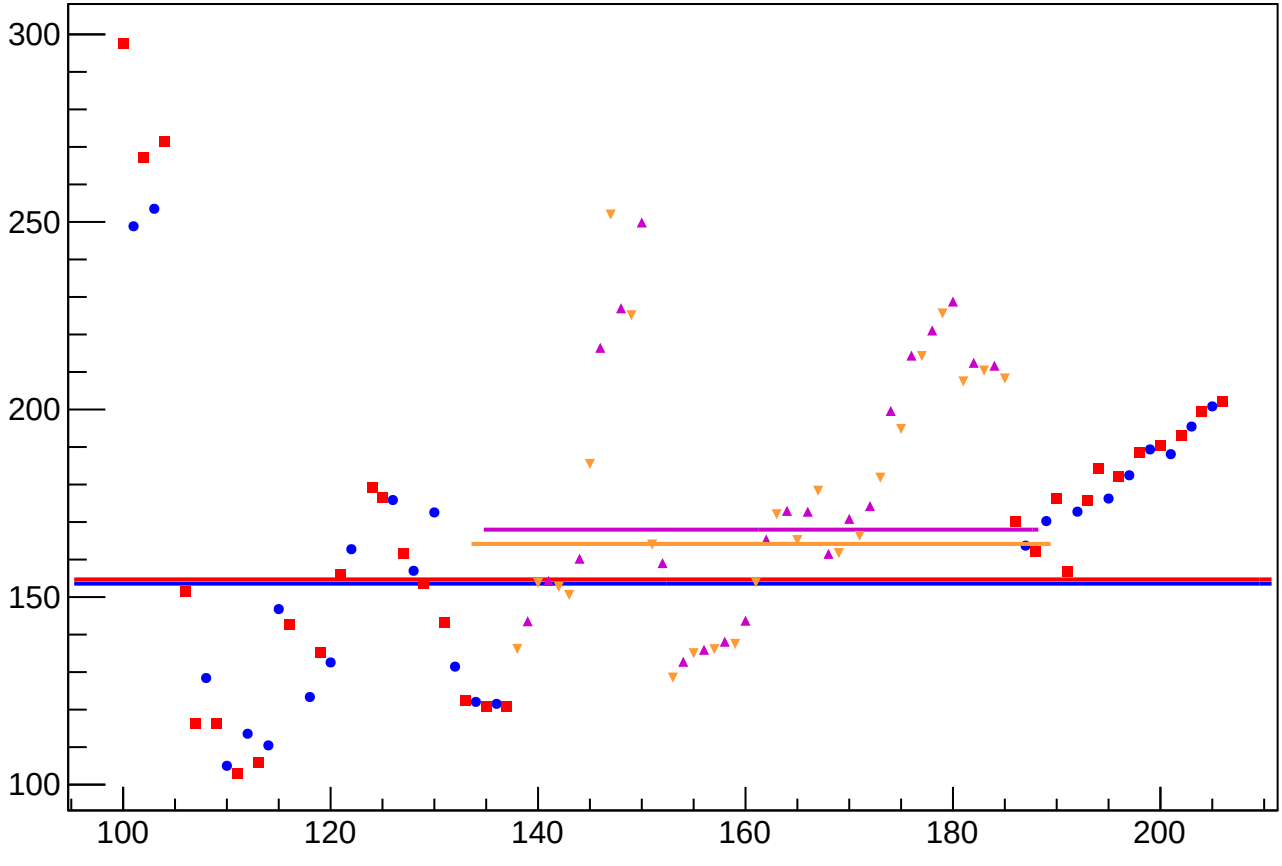
Right: 5189.356+/-28.994 χ^2/NDF: 154083.7/55

In: -1506.289+/-29.233 χ^2/NDF:122351.2/47

Out: 1236.611+/-27.497 χ^2/NDF:155221.6/55

All: -50.974+/-20.029 χ^2/NDF: 282243.8/103

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 153.580+/-0.030 χ^2/NDF: 1404882.3/24

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 154.712+/-0.028 χ^2/NDF: 1730097.2/30

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

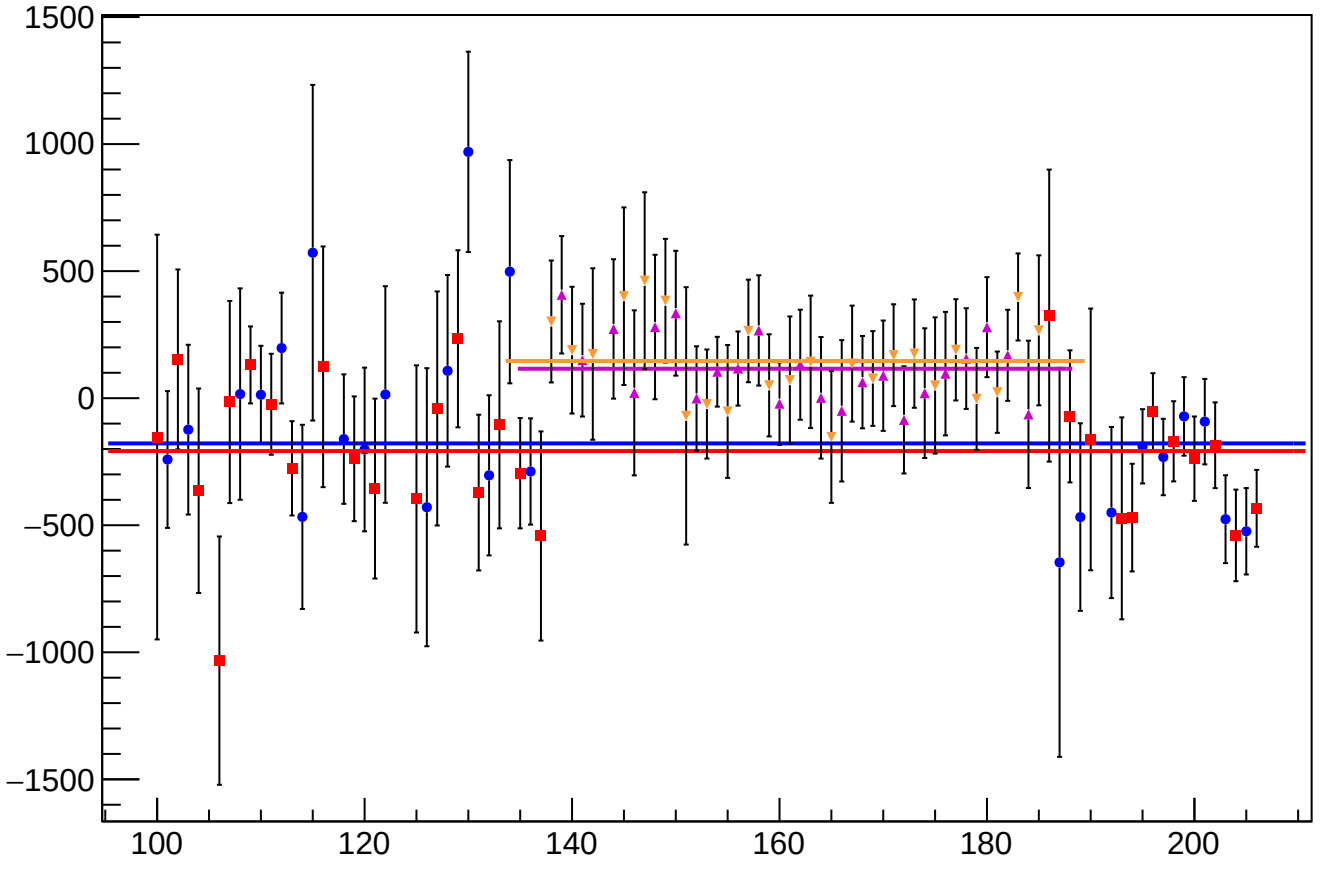
Right: 154.186+/-0.021 χ^2/NDF: 3135738.4/55

In: 161.175+/-0.021 χ^2/NDF:2748502.0/47

Out: 159.618+/-0.019 χ^2/NDF:3013603.6/55

All: 160.349+/-0.014 χ^2/NDF: 5765117.6/103

asym_bcm_2an_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -178.039+/-48.451 χ^2/NDF: 28.1/24

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -208.123+/-45.037 χ^2/NDF: 23.9/28

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

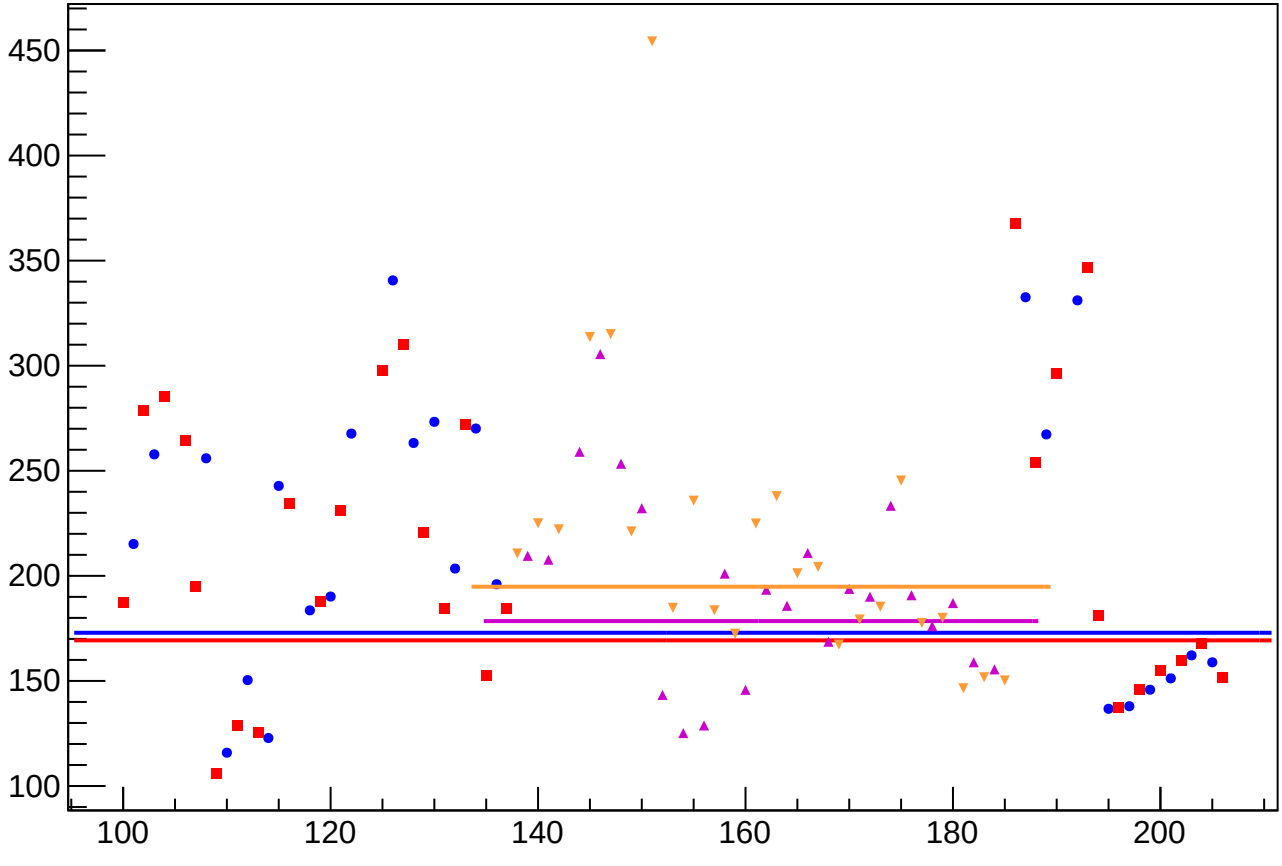
Right: -194.178+/-32.987 χ^2/NDF: 52.1/53

In: -15.595+/-32.412 χ^2/NDF:56.0/47

Out: -38.175+/-32.494 χ^2/NDF:63.5/52

All: -26.856+/-22.948 χ^2/NDF: 119.8/100

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 172.919+/-0.034 χ^2/NDF: 2202348.6/24

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.306+/-0.032 χ^2/NDF: 2751580.8/28

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

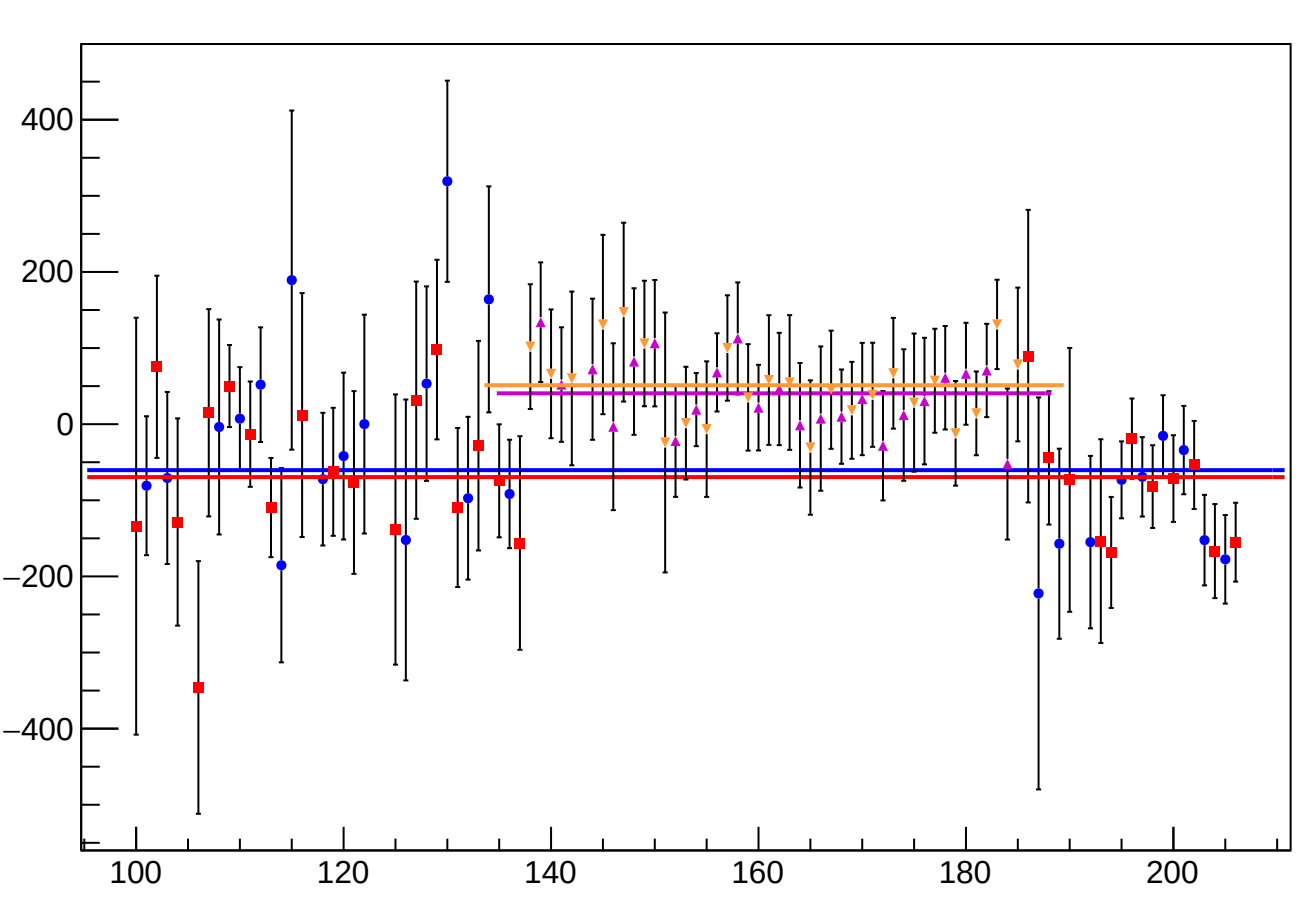
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 170.981+/-0.023 χ^2/NDF: 4959896.2/53

In: 175.989+/-0.023 χ^2/NDF:3893145.5/47

Out: 181.542+/-0.023 χ^2/NDF:4811991.8/52

All: 178.759+/-0.016 χ^2/NDF: 8734419.7/100



Right In: -60.399+/-16.647 χ^2/NDF: 26.9/24

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -69.510+/-15.501 χ^2/NDF: 23.6/28

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

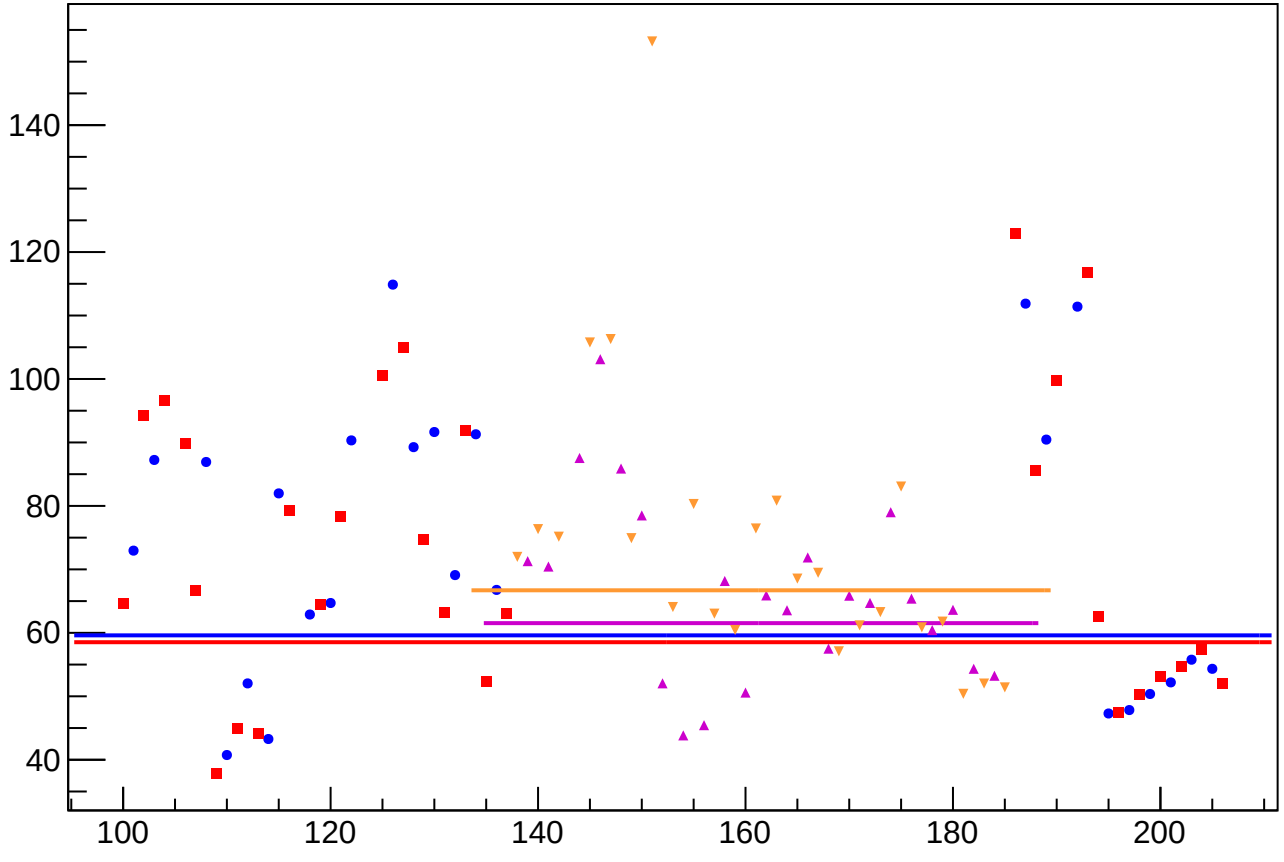
Right: -65.279+/-11.345 χ^2/NDF: 50.6/53

In: -4.615+/-11.134 χ^2/NDF:55.1/47

Out: -11.224+/-11.146 χ^2/NDF:61.0/52

All: -7.917+/-7.877 χ^2/NDF: 116.2/100

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 59.603+/-0.012 χ^2/NDF: 2056067.6/24

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.524+/-0.011 χ^2/NDF: 2553071.8/28

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

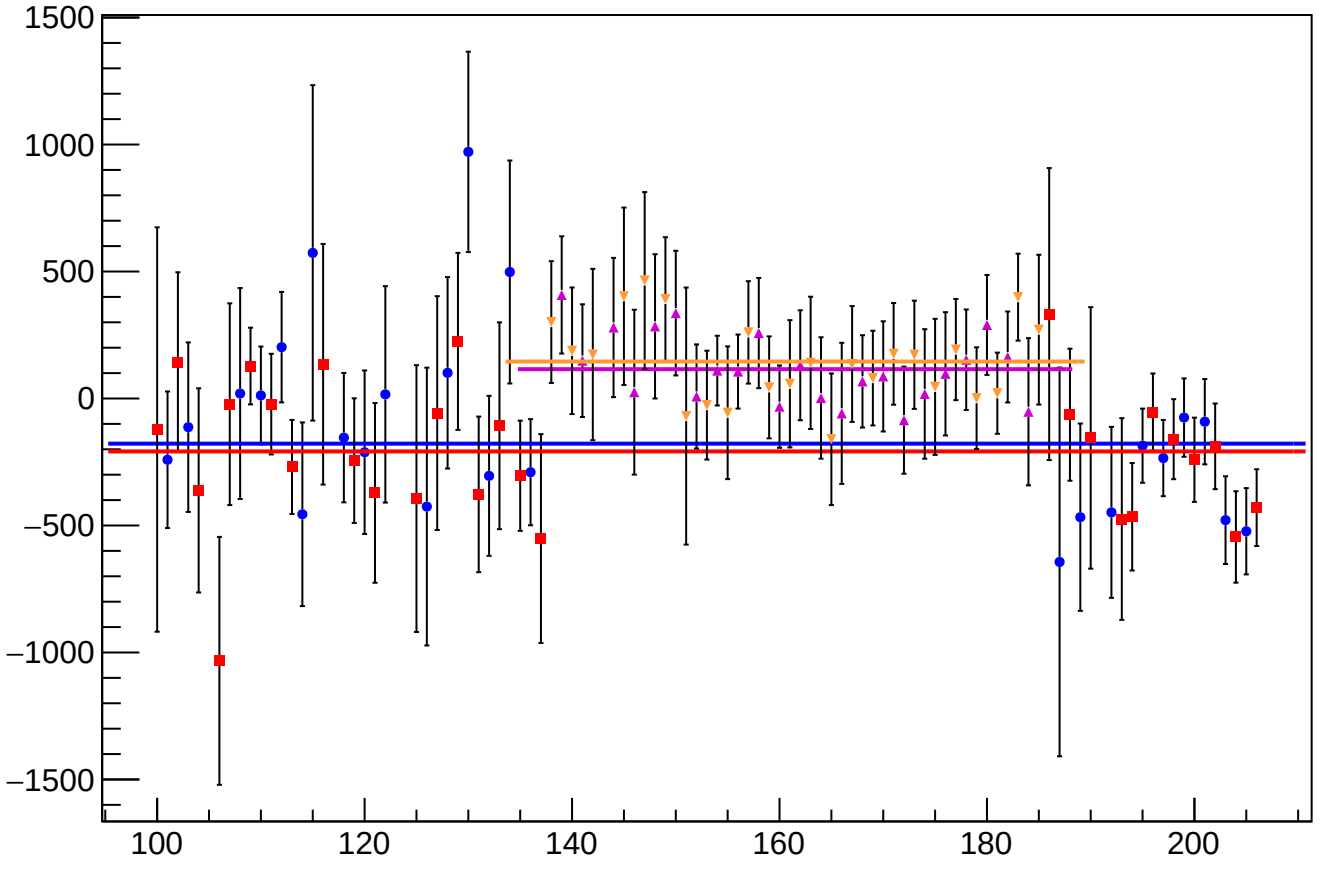
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.025+/-0.008 χ^2/NDF: 4613644.6/53

In: 60.668+/-0.008 χ^2/NDF:3560700.2/47

Out: 62.474+/-0.008 χ^2/NDF:4498355.8/52

All: 61.570+/-0.006 χ^2/NDF: 8085366.7/100



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -208.375+/-44.981 χ^2/NDF: 23.9/28

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

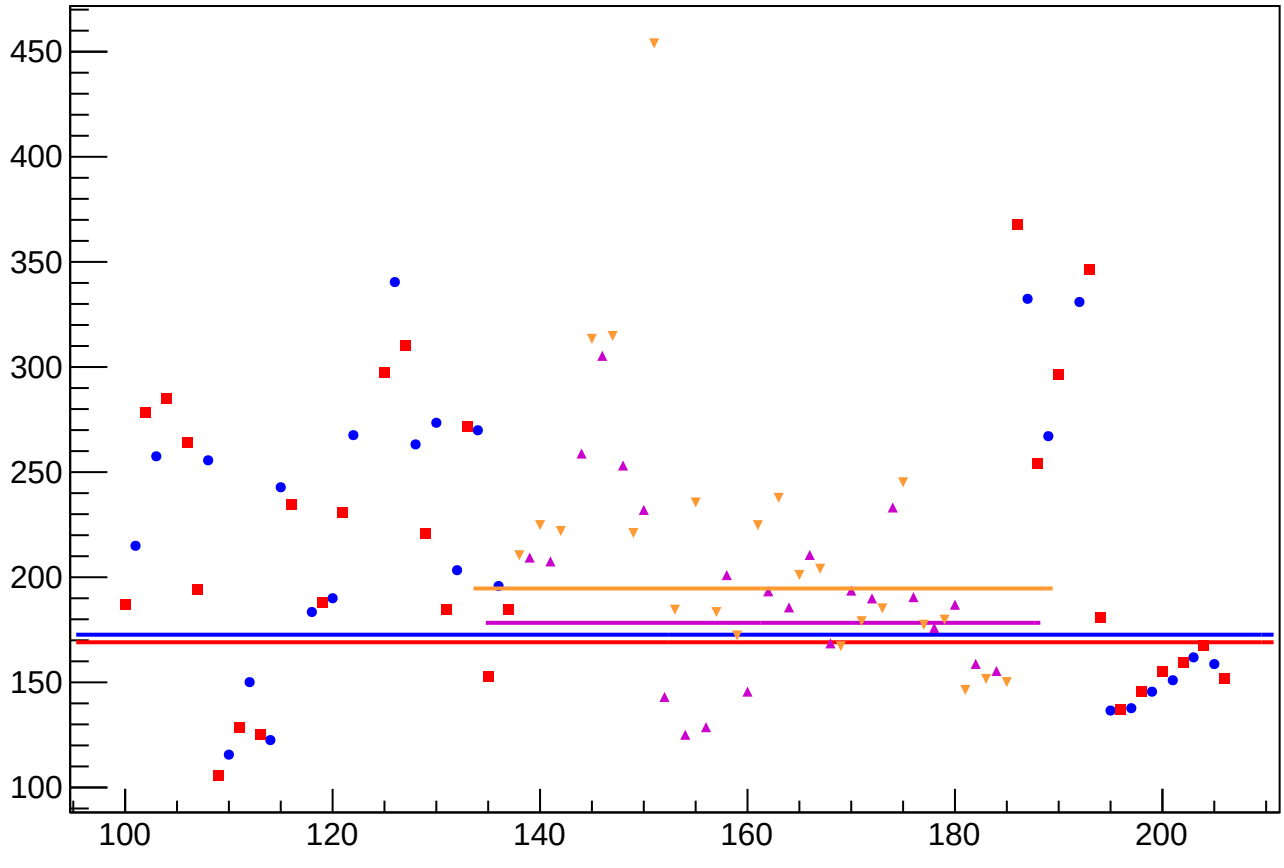
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -194.176+/-32.945 χ^2/NDF: 52.3/53

In: -15.799+/-32.378 χ^2/NDF:56.2/47

Out: -38.796+/-32.460 χ^2/NDF:63.8/52

All: -27.268+/-22.923 χ^2/NDF: 120.3/100



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 169.070+/-0.032 χ^2/NDF: 2759731.8/28

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

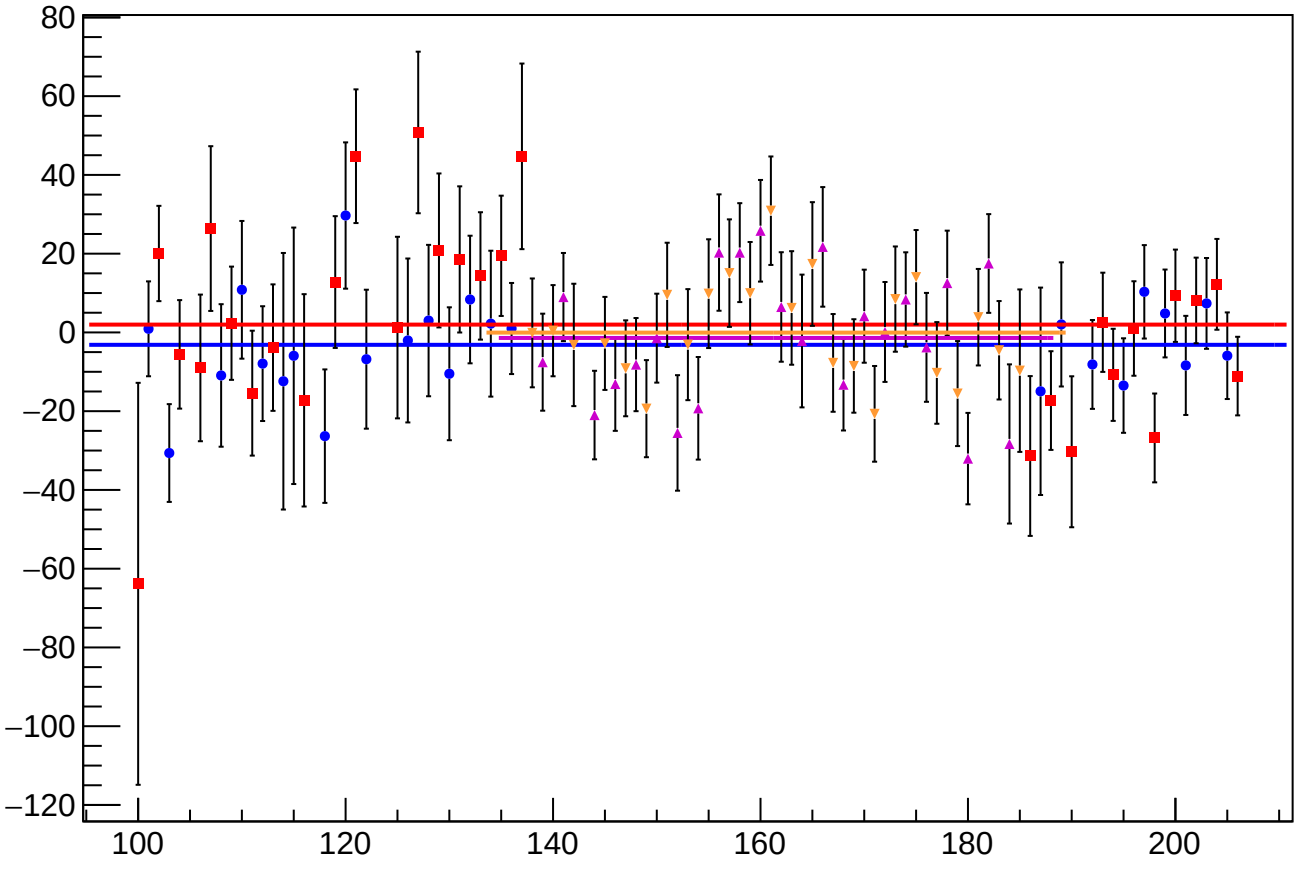
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 170.740+/-0.023 χ^2/NDF: 4974593.1/53

In: 175.790+/-0.023 χ^2/NDF:3902283.3/47

Out: 181.333+/-0.023 χ^2/NDF:4823059.0/52

All: 178.555+/-0.016 χ^2/NDF: 8754574.0/100



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.985+/-2.756 χ^2/NDF: 45.9/28

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

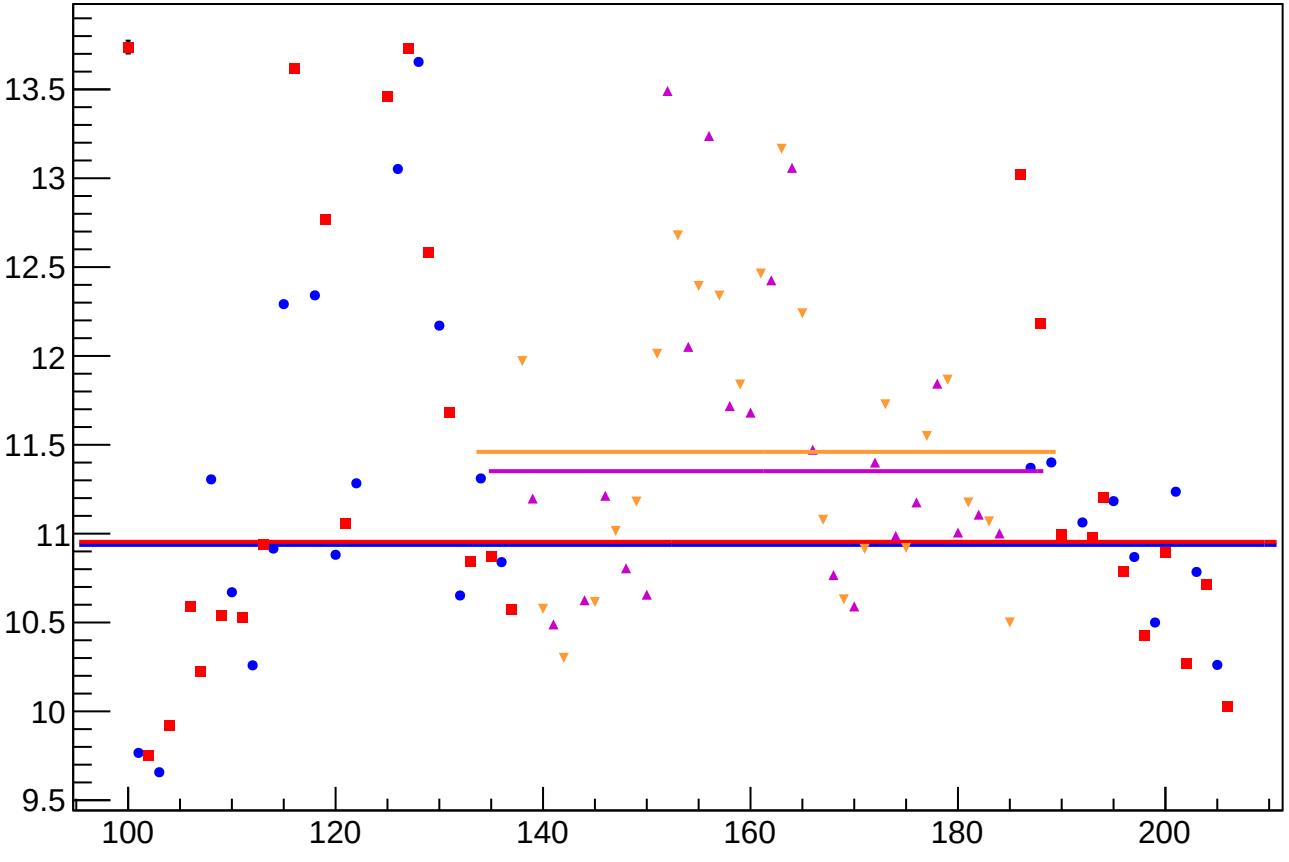
Right: -0.421+/-2.009 χ^2/NDF: 63.7/53

In: -2.197+/-1.977 χ^2/NDF:52.7/47

Out: 0.943+/-1.923 χ^2/NDF:66.6/52

All: -0.584+/-1.378 χ^2/NDF: 120.7/100

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.954+/-0.002 χ^2/NDF: 236013.4/28

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

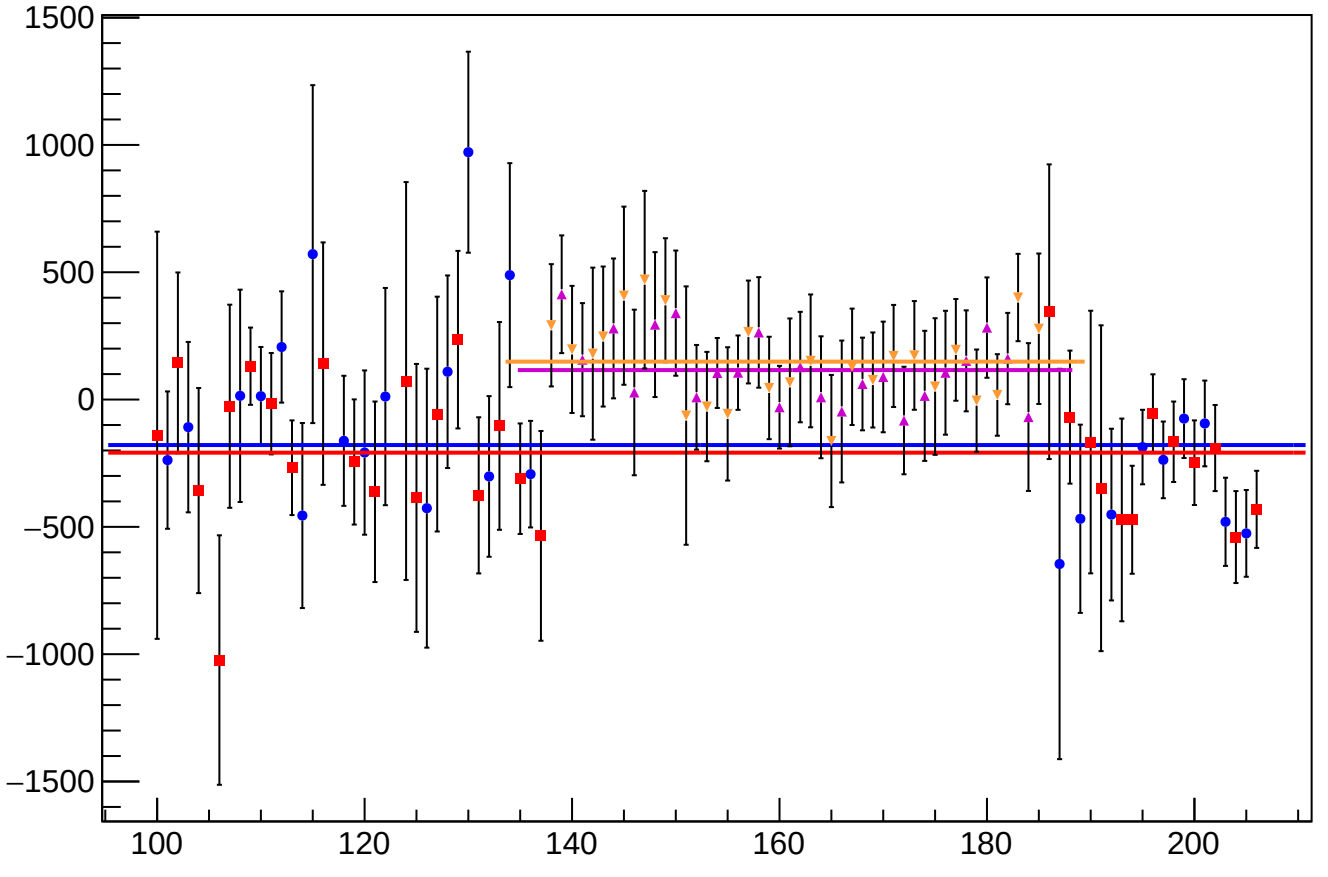
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.946+/-0.001 χ^2/NDF: 388187.3/53

In: 11.164+/-0.001 χ^2/NDF:344543.0/47

Out: 11.214+/-0.001 χ^2/NDF:421047.7/52

All: 11.189+/-0.001 χ^2/NDF: 766251.1/100



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -208.581+/-44.918 χ^2/NDF: 24.0/30

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

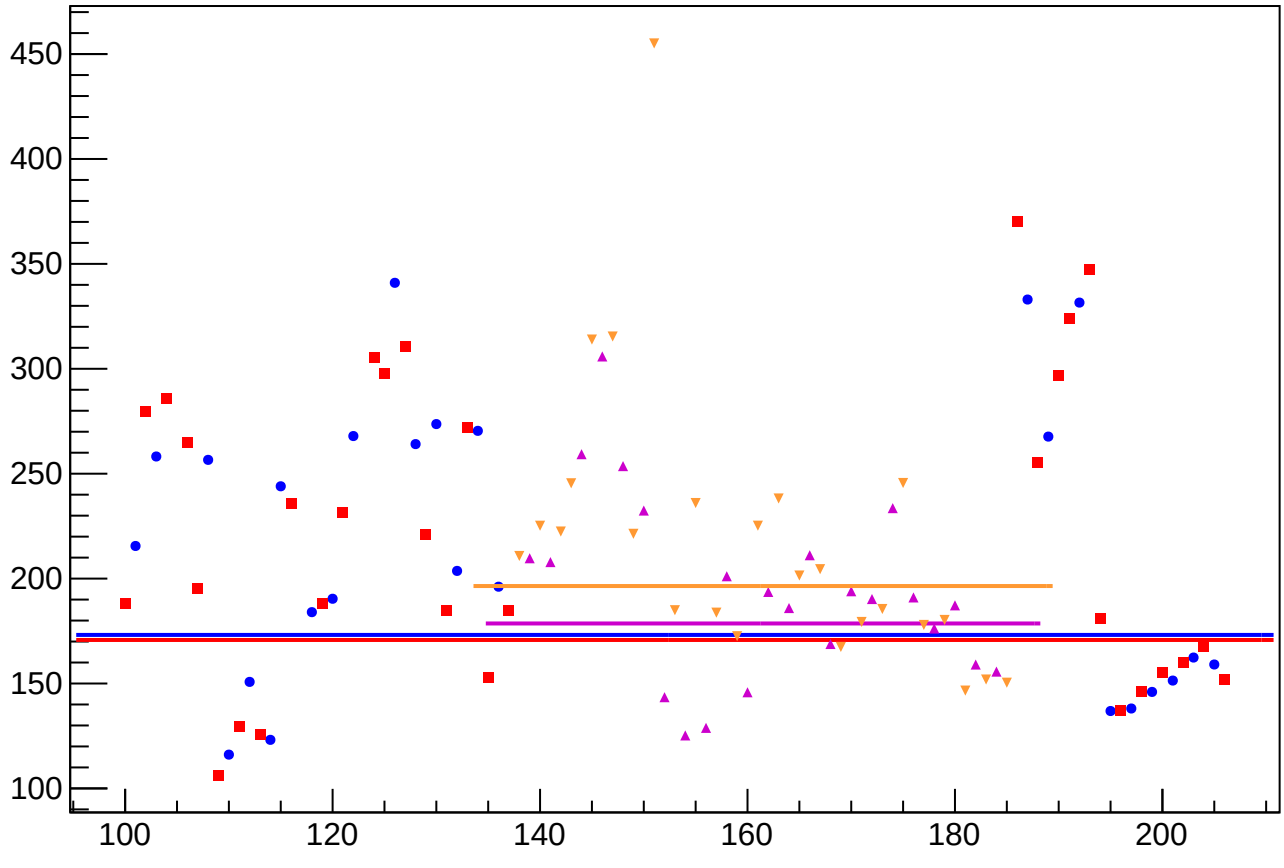
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -194.794+/-32.962 χ^2/NDF: 52.4/55

In: -15.956+/-32.447 χ^2/NDF:56.3/47

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -25.677+/-22.871 χ^2/NDF: 121.7/103



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

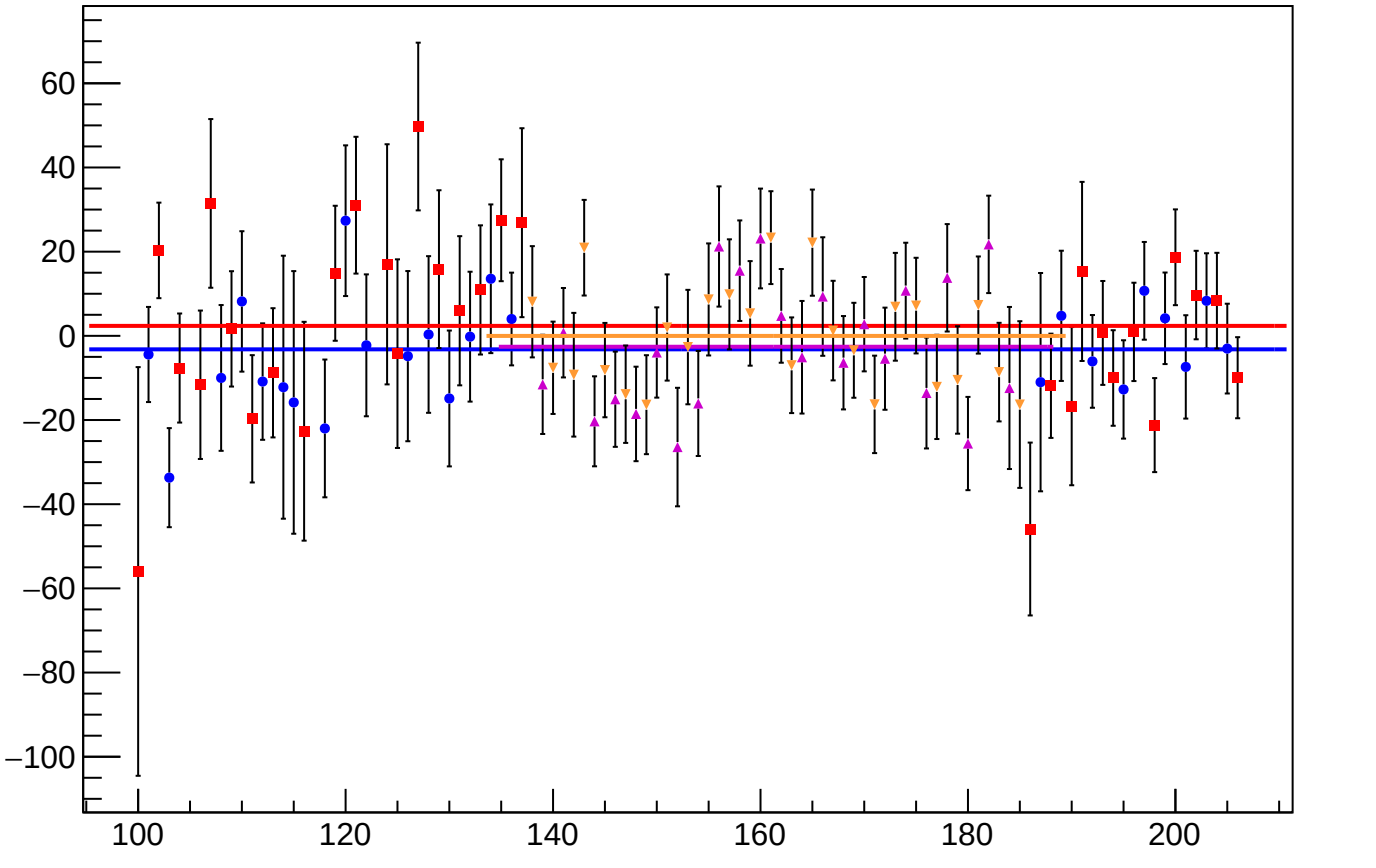
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.863+/-0.023 χ^2/NDF: 5138594.3/55

In: 176.175+/-0.023 χ^2/NDF:3896225.4/47

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 179.716+/-0.016 χ^2/NDF: 9012324.3/103



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.365+/-2.630 χ^2/NDF: 44.0/30

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

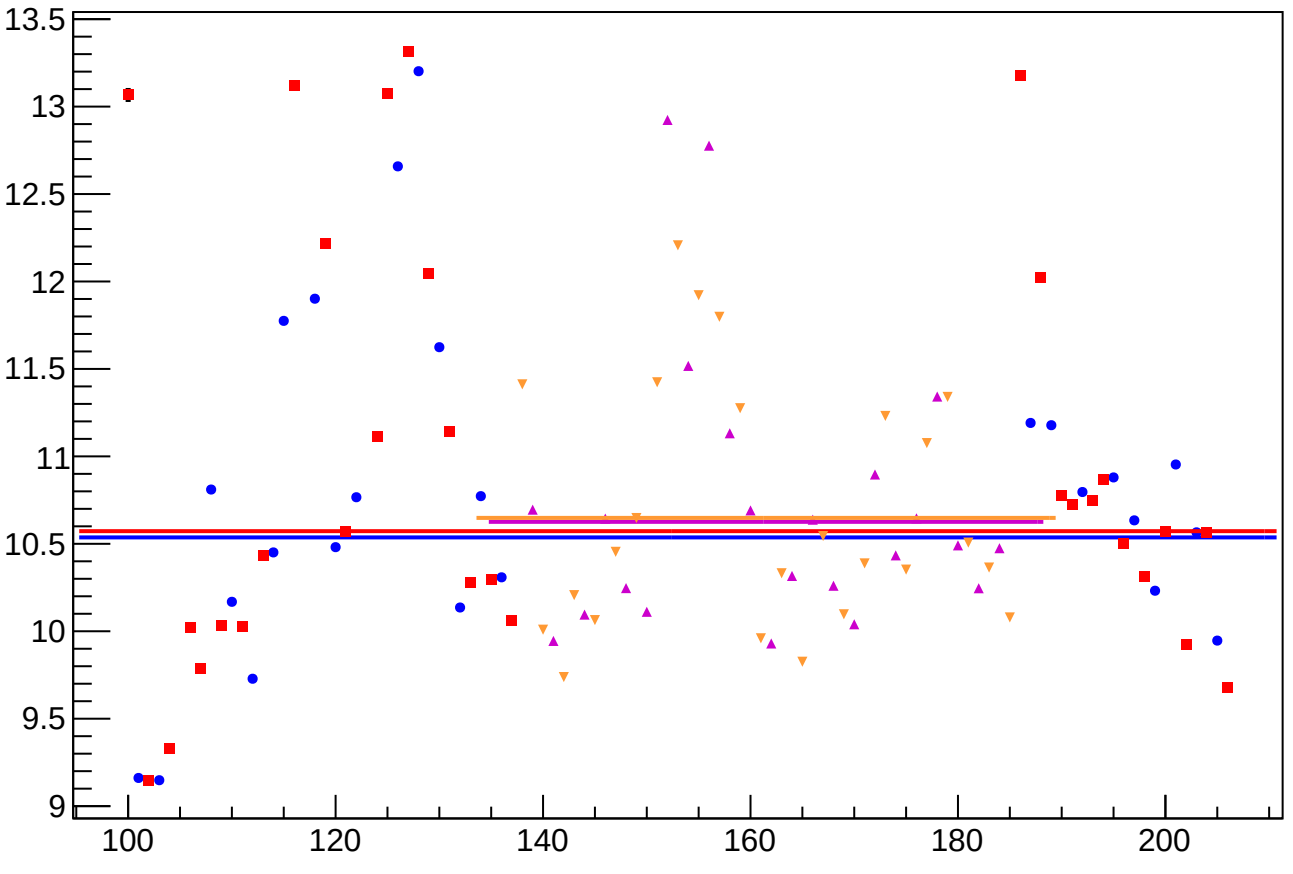
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.217+/-1.927 χ^2/NDF: 64.3/55

In: -2.862+/-1.876 χ^2/NDF:53.0/47

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.795+/-1.295 χ^2/NDF: 123.5/103



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

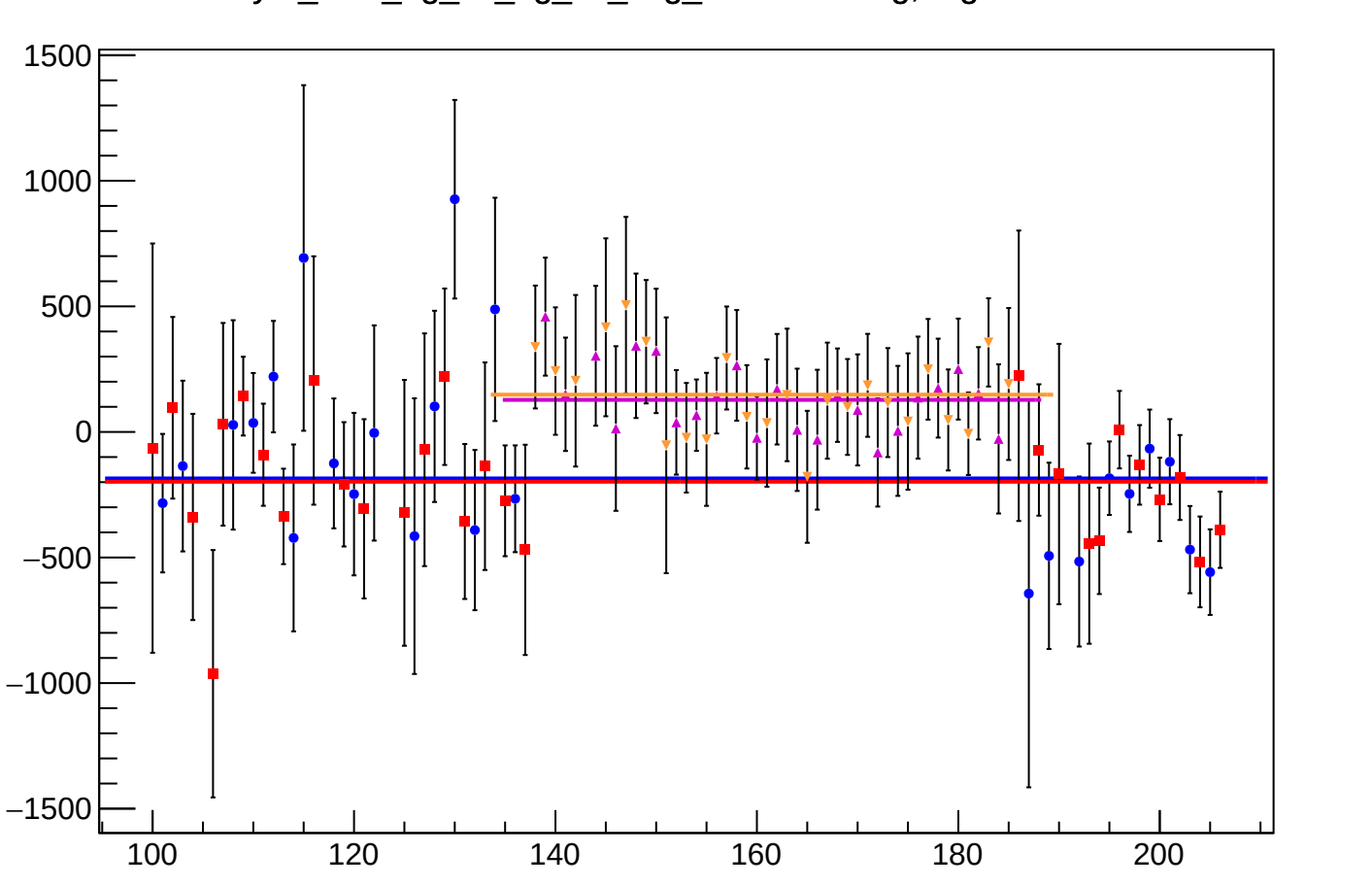
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

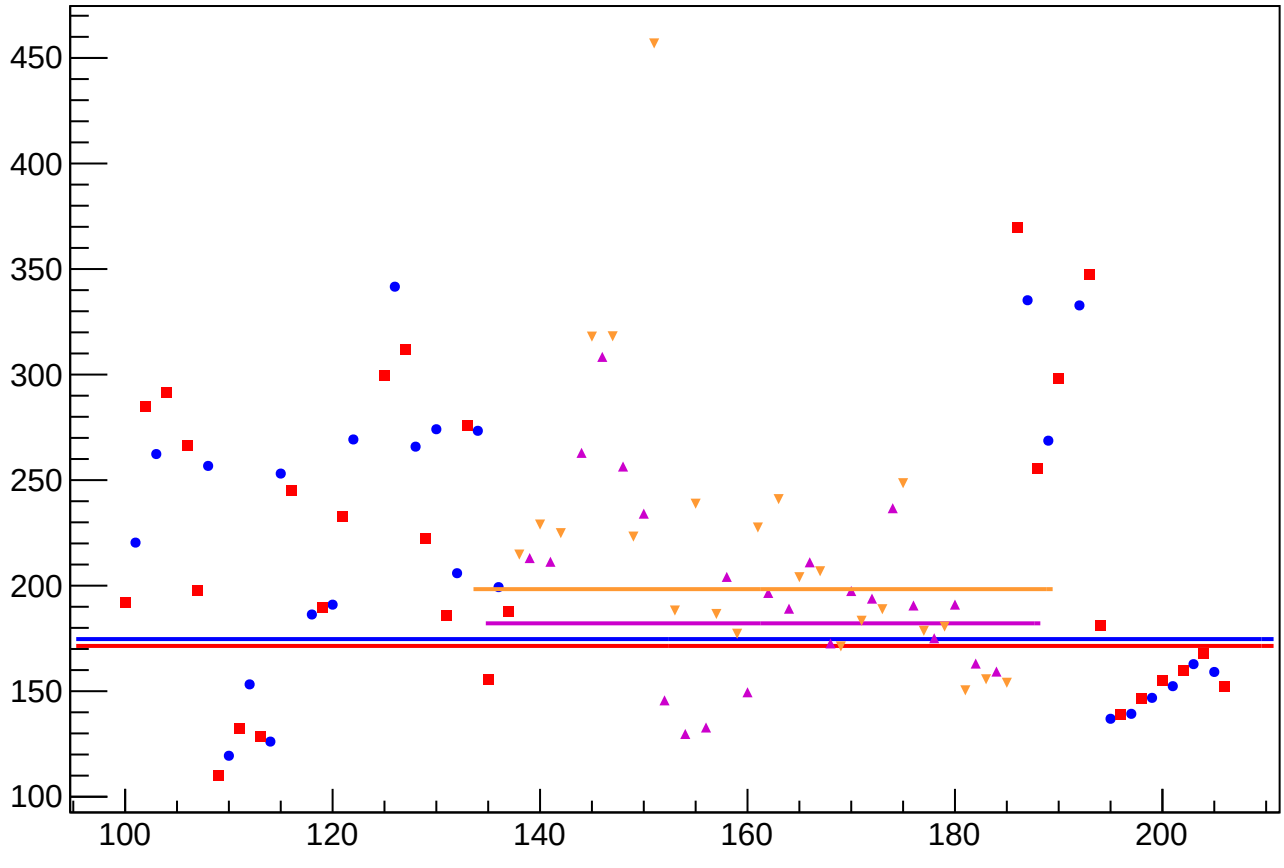
Right: 10.556+/-0.001 χ^2/NDF: 450539.4/55

In: 10.587+/-0.001 χ^2/NDF:336282.7/47

Out: 10.613+/-0.001 χ^2/NDF:419169.7/55

All: 10.600+/-0.001 χ^2/NDF: 755661.3/103


asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -185.146+/-48.933 χ²/NDF: 29.2/24
Left Out: 148.441+/-47.720 χ²/NDF:9.9/23
Right Out: -198.162+/-45.547 χ²/NDF: 21.5/28
Left In: 127.710+/-44.426 χ²/NDF:7.8/22
Left: 137.335+/-32.516 χ²/NDF: 17.8/46
Right: -192.120+/-33.339 χ²/NDF: 50.6/53
In: -13.650+/-32.892 χ²/NDF:59.4/47
Out: -32.935+/-32.948 χ²/NDF:58.9/52
All: -23.276+/-23.278 χ²/NDF: 118.5/100



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.446+/-0.032 χ^2/NDF: 2694887.9/28

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

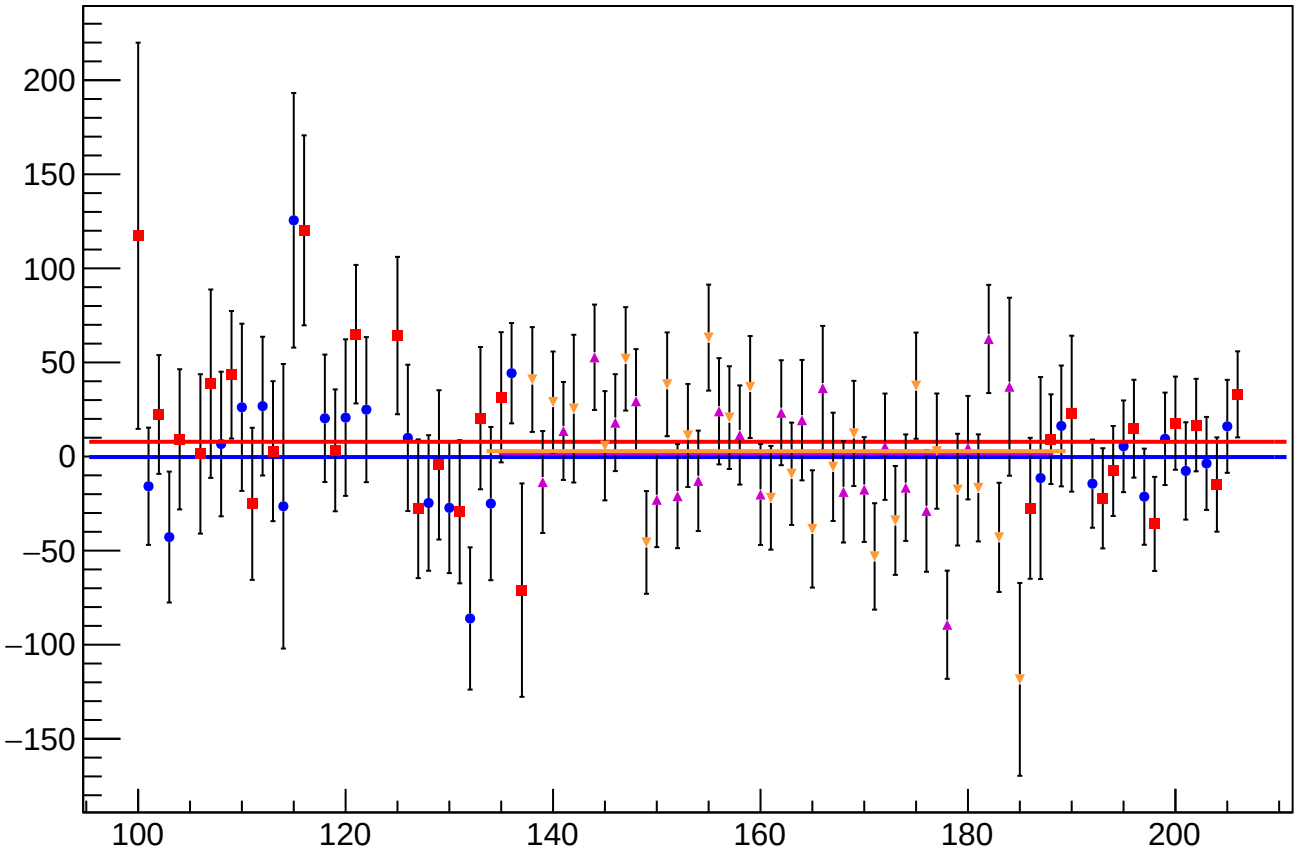
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 172.953+/-0.024 χ^2/NDF: 4893952.5/53

In: 178.780+/-0.023 χ^2/NDF:3804170.4/47

Out: 184.272+/-0.023 χ^2/NDF:4724645.7/52

All: 181.521+/-0.016 χ^2/NDF: 8556640.5/100



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 7.839+/-6.016 χ^2/NDF: 25.4/28

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

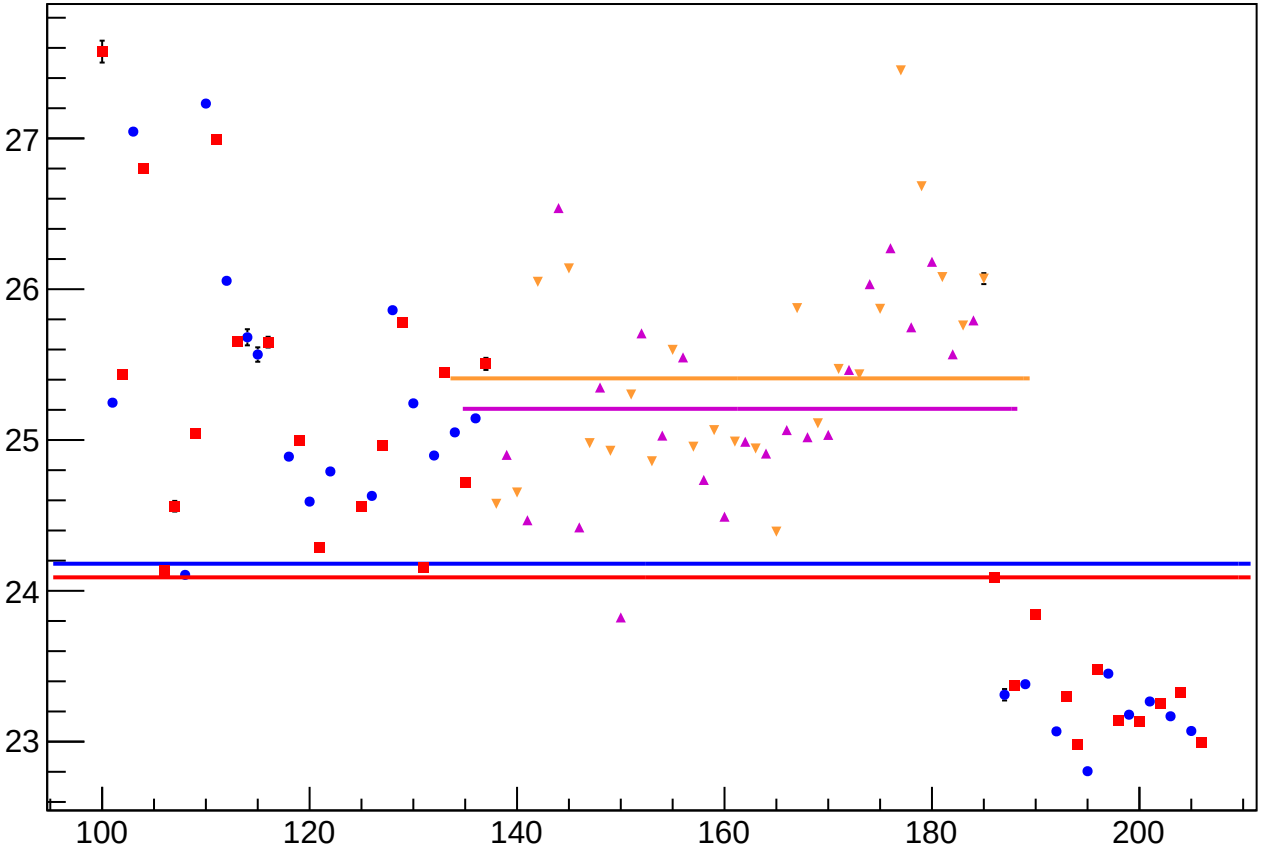
Right: 4.063+/-4.399 χ^2/NDF: 45.1/53

In: 0.883+/-4.350 χ^2/NDF:47.0/47

Out: 5.298+/-4.214 χ^2/NDF:62.7/52

All: 3.161+/-3.027 χ^2/NDF: 110.2/100

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.089+/-0.004 χ^2/NDF: 68873.3/28

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

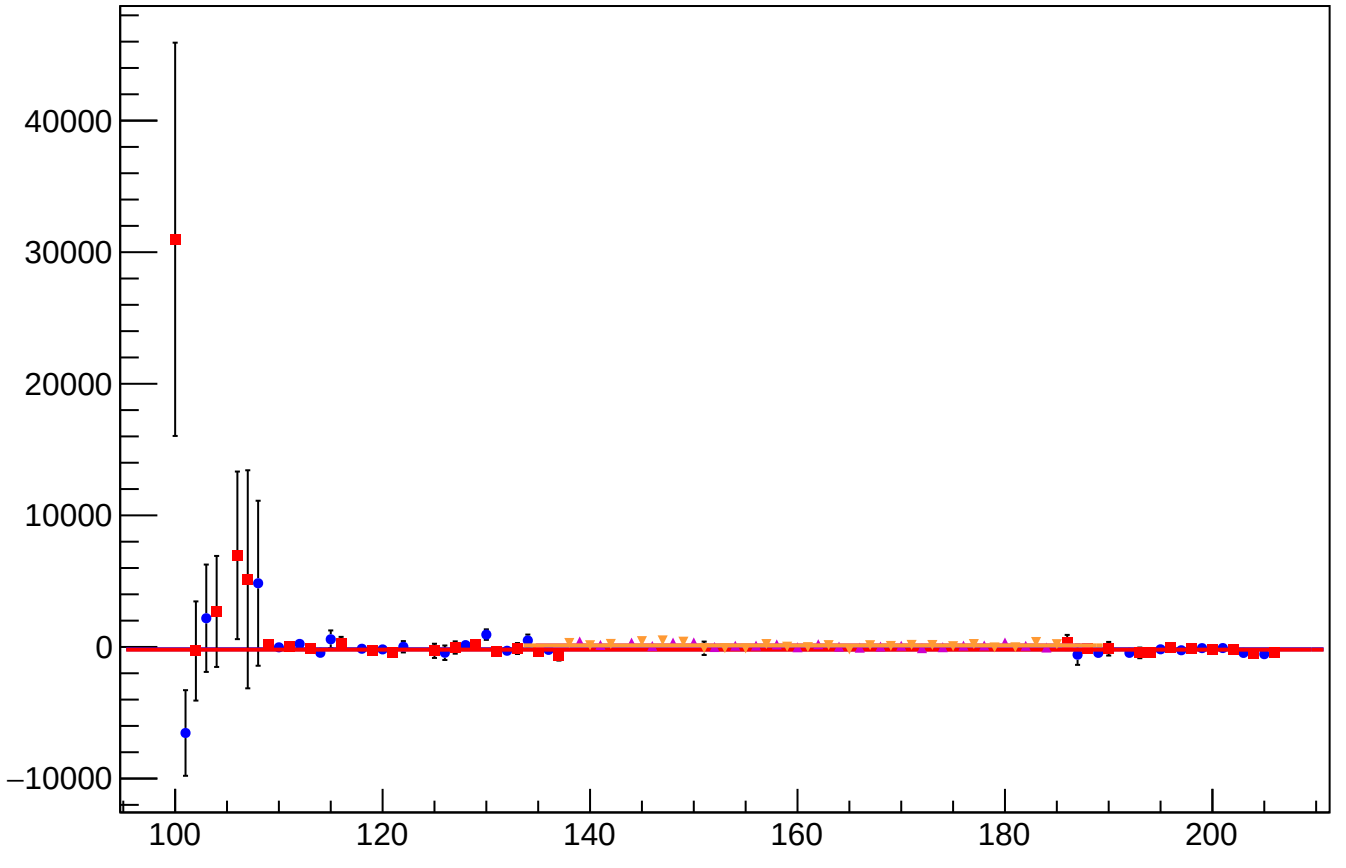
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.131+/-0.003 χ^2/NDF: 141050.2/53

In: 24.739+/-0.003 χ^2/NDF:125444.8/47

Out: 24.761+/-0.003 χ^2/NDF:144733.7/52

All: 24.751+/-0.002 χ^2/NDF: 270205.0/100



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -204.571+/-48.344 χ^2/NDF: 24.7/28

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

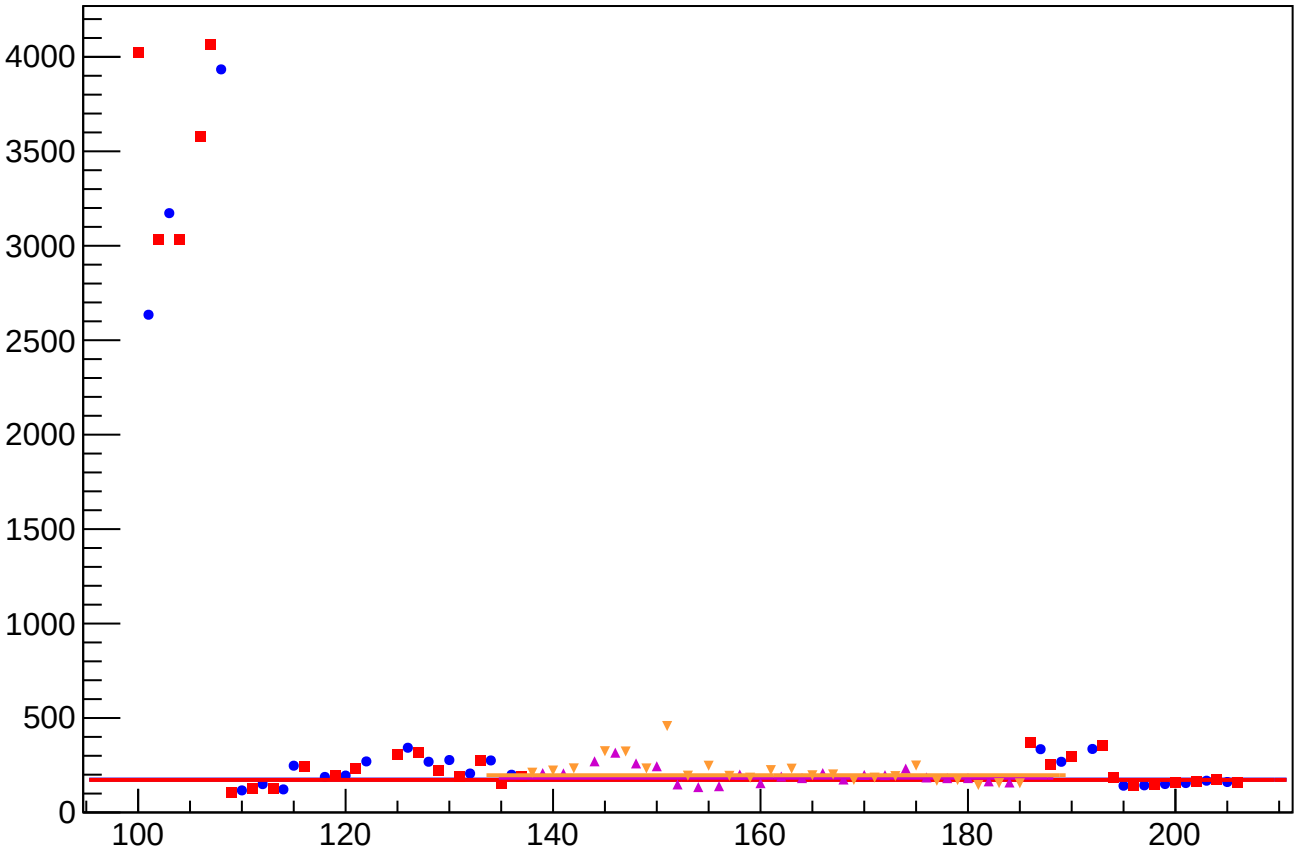
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -191.007+/-35.192 χ^2/NDF: 56.2/53

In: -9.960+/-33.746 χ^2/NDF:58.1/47

Out: -39.110+/-33.860 χ^2/NDF:59.6/52

All: -24.486+/-23.902 χ^2/NDF: 118.1/100



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.263+/-0.034 χ^2/NDF: 5355940.8/28

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

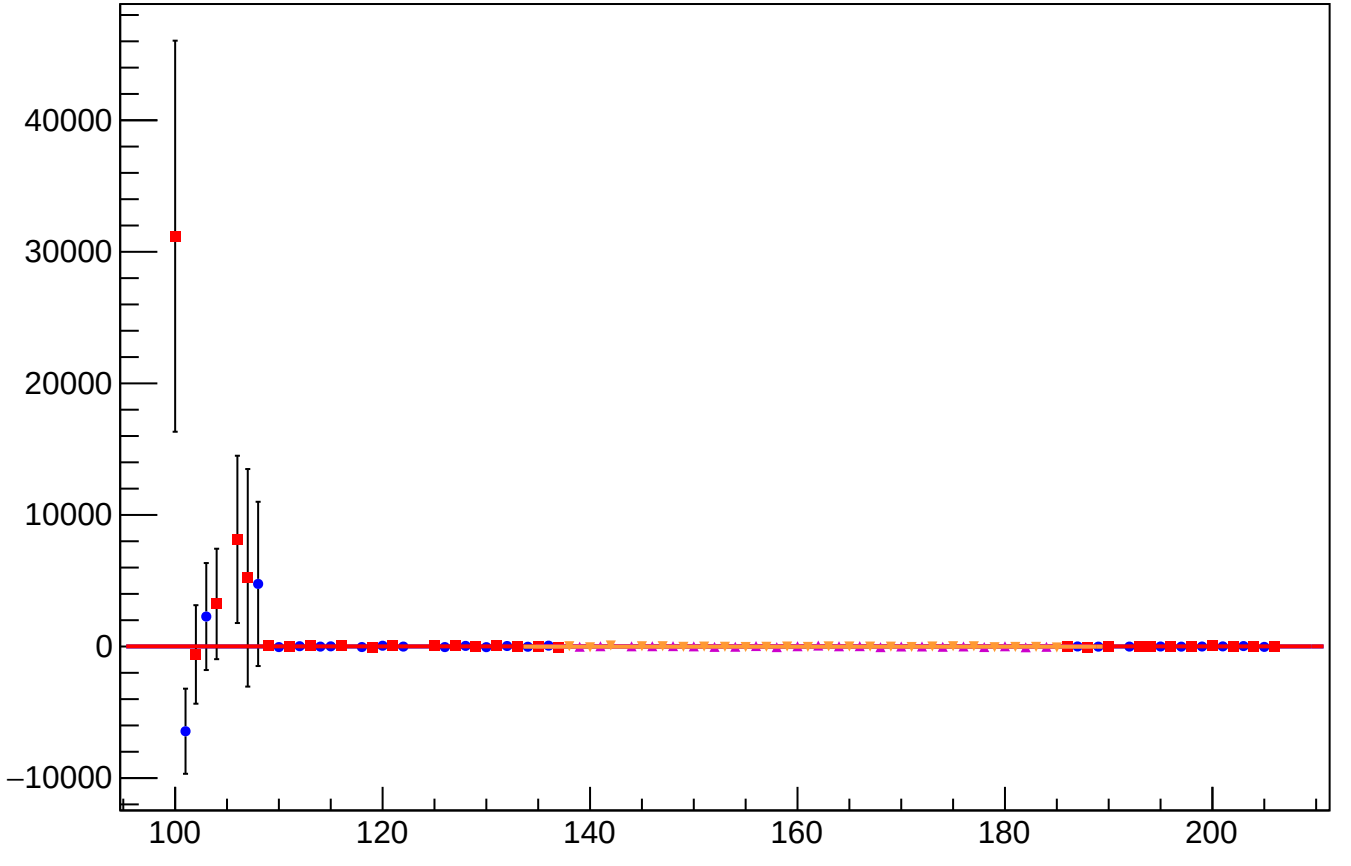
Right: 172.998+/-0.025 χ^2/NDF: 10185374.9/53

In: 179.631+/-0.024 χ^2/NDF:6318937.9/47

Out: 184.832+/-0.024 χ^2/NDF:7430575.8/52

All: 182.223+/-0.017 χ^2/NDF: 13773185.3/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 11.776+/-7.359 χ^2/NDF: 30.4/28

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

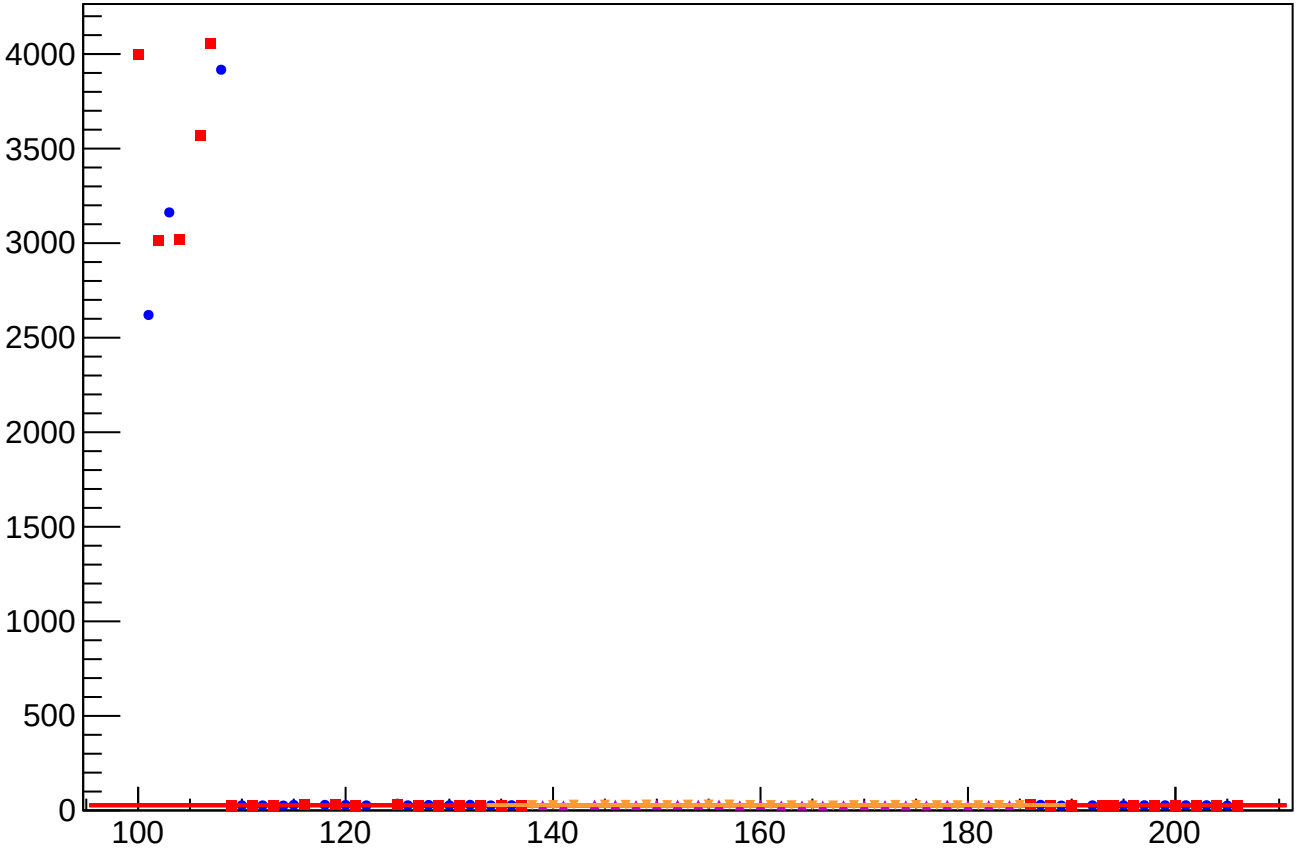
Right: 7.068+/-5.340 χ^2/NDF: 52.5/53

In: 2.255+/-5.086 χ^2/NDF:43.4/47

Out: -0.817+/-4.935 χ^2/NDF:53.3/52

All: 0.673+/-3.542 χ^2/NDF: 96.9/100

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.485+/-0.005 χ^2/NDF: 3582291.6/28

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

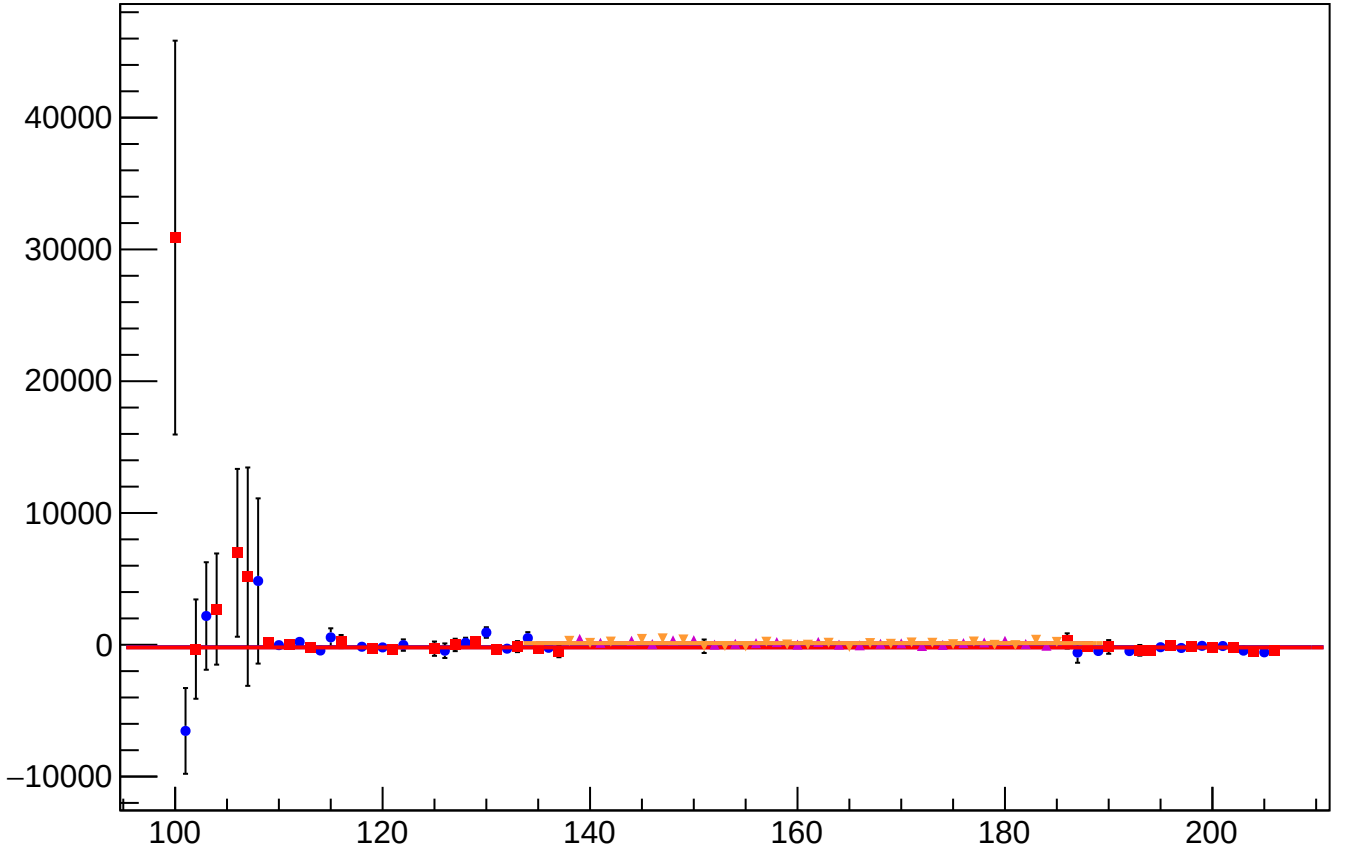
Right: 27.433+/-0.004 χ^2/NDF: 6865794.6/53

In: 28.147+/-0.004 χ^2/NDF:3445291.9/47

Out: 28.094+/-0.003 χ^2/NDF:3688225.6/52

All: 28.120+/-0.003 χ^2/NDF: 7133630.7/100

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -202.010+/-48.539 χ^2/NDF: 23.0/28

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

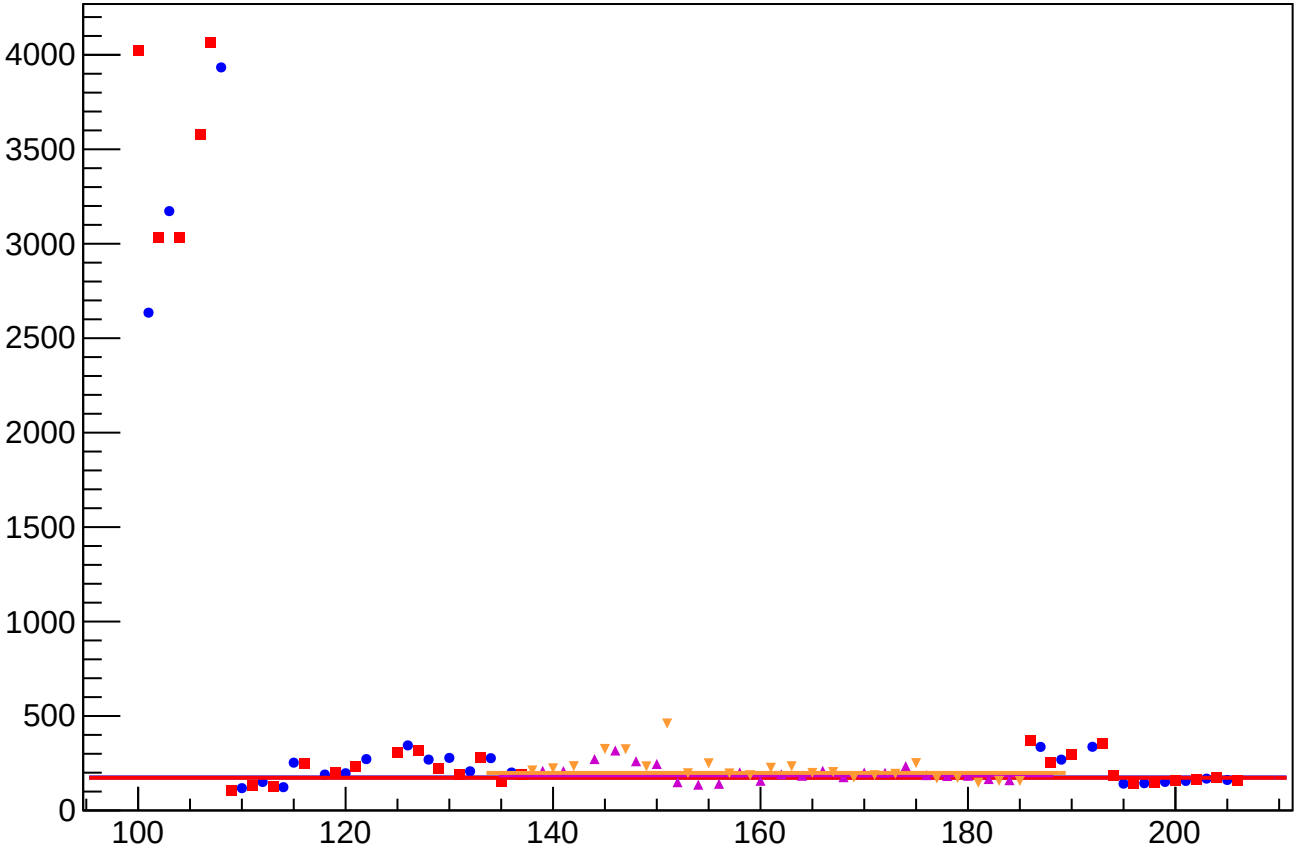
Right: -192.559+/-35.340 χ^2/NDF: 54.7/53

In: -9.611+/-33.987 χ^2/NDF:59.3/47

Out: -35.480+/-34.077 χ^2/NDF:57.9/52

All: -22.511+/-24.064 χ^2/NDF: 117.4/100

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 173.003+/-0.034 χ^2/NDF: 5345301.2/28

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

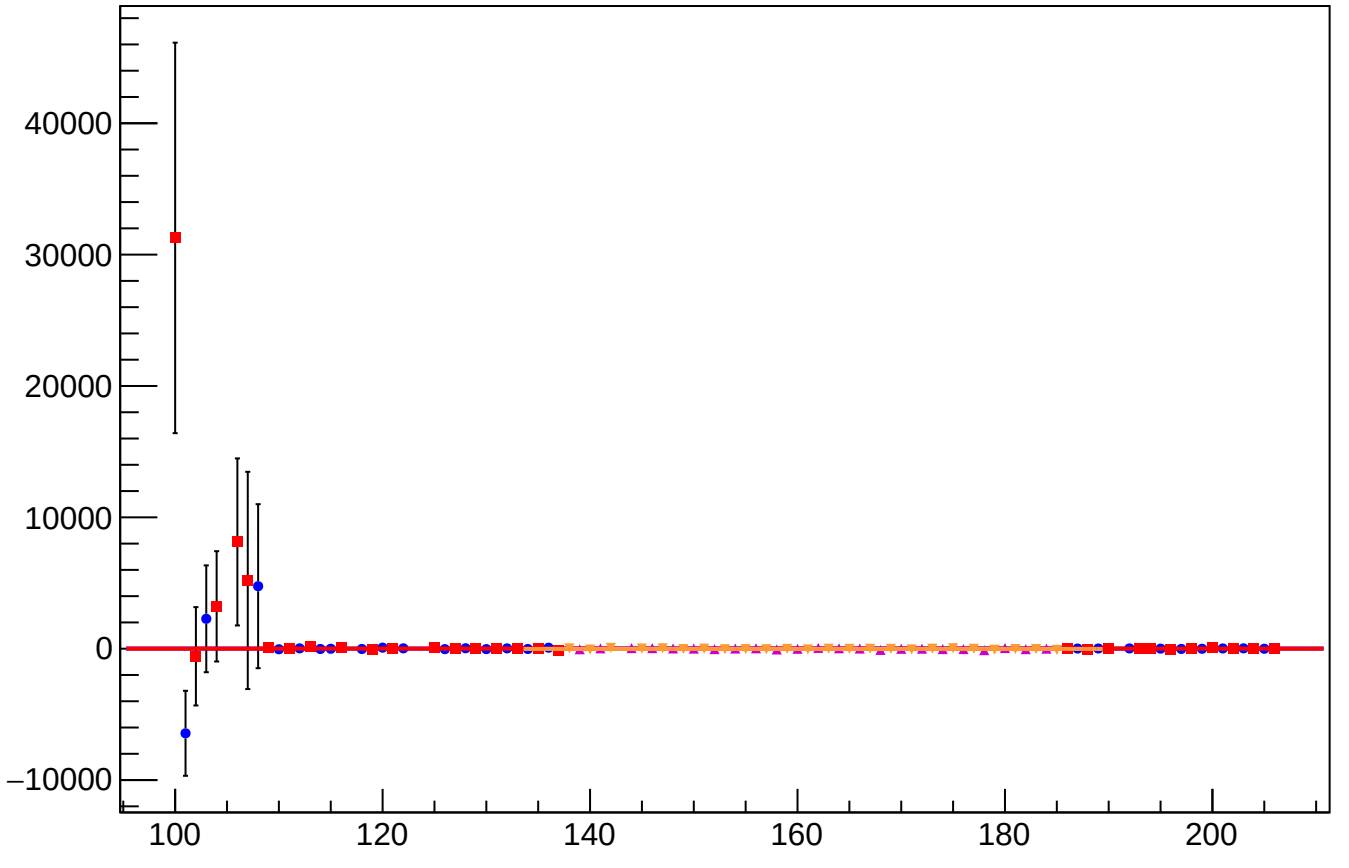
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 173.762+/-0.025 χ^2/NDF: 10171706.7/53

In: 180.981+/-0.024 χ^2/NDF:6284778.3/47

Out: 186.053+/-0.024 χ^2/NDF:7416765.9/52

All: 183.510+/-0.017 χ^2/NDF: 13723760.2/10



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 5.879+/-8.118 χ^2/NDF: 37.7/28

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

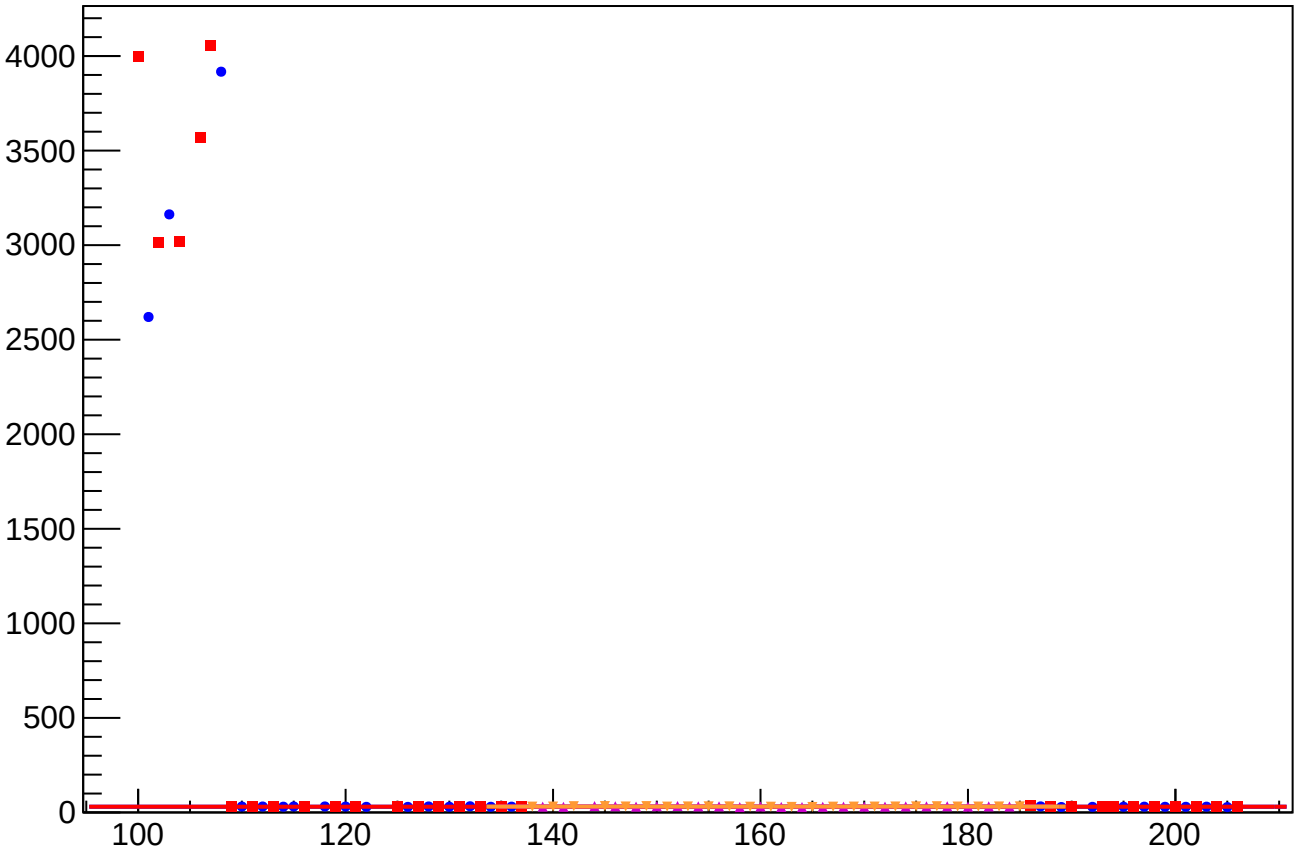
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 7.854+/-5.897 χ^2/NDF: 55.1/53

In: 2.694+/-5.581 χ^2/NDF:54.0/47

Out: -7.493+/-5.411 χ^2/NDF:62.9/52

All: -2.556+/-3.885 χ^2/NDF: 118.7/100



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.340+/-0.006 χ^2/NDF: 3560858.4/28

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

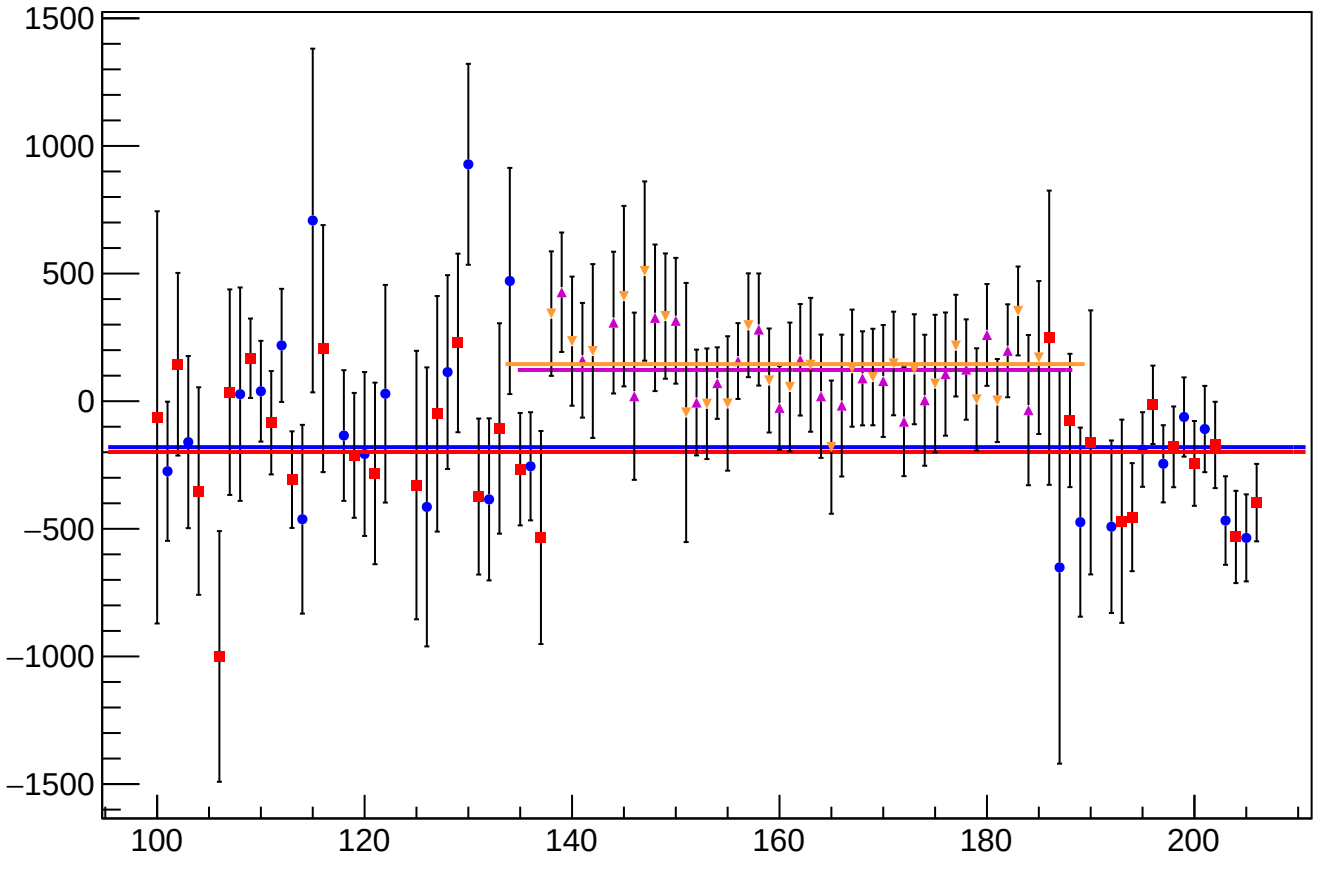
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.308+/-0.004 χ^2/NDF: 6832705.7/53

In: 30.911+/-0.004 χ^2/NDF:3376242.8/47

Out: 30.830+/-0.004 χ^2/NDF:3621384.8/52

All: 30.869+/-0.003 χ^2/NDF: 6997844.4/100



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -198.907+/-45.391 χ^2/NDF: 23.3/28

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

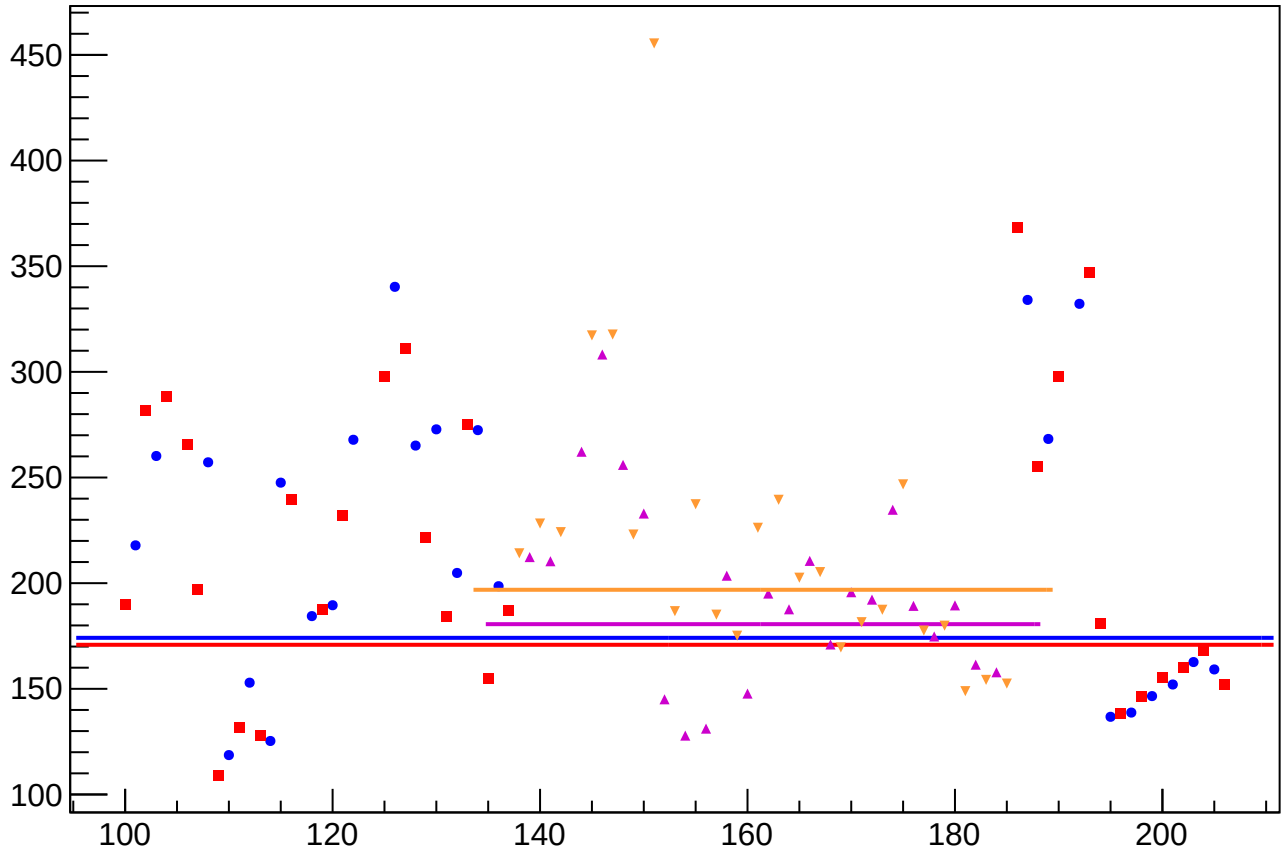
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

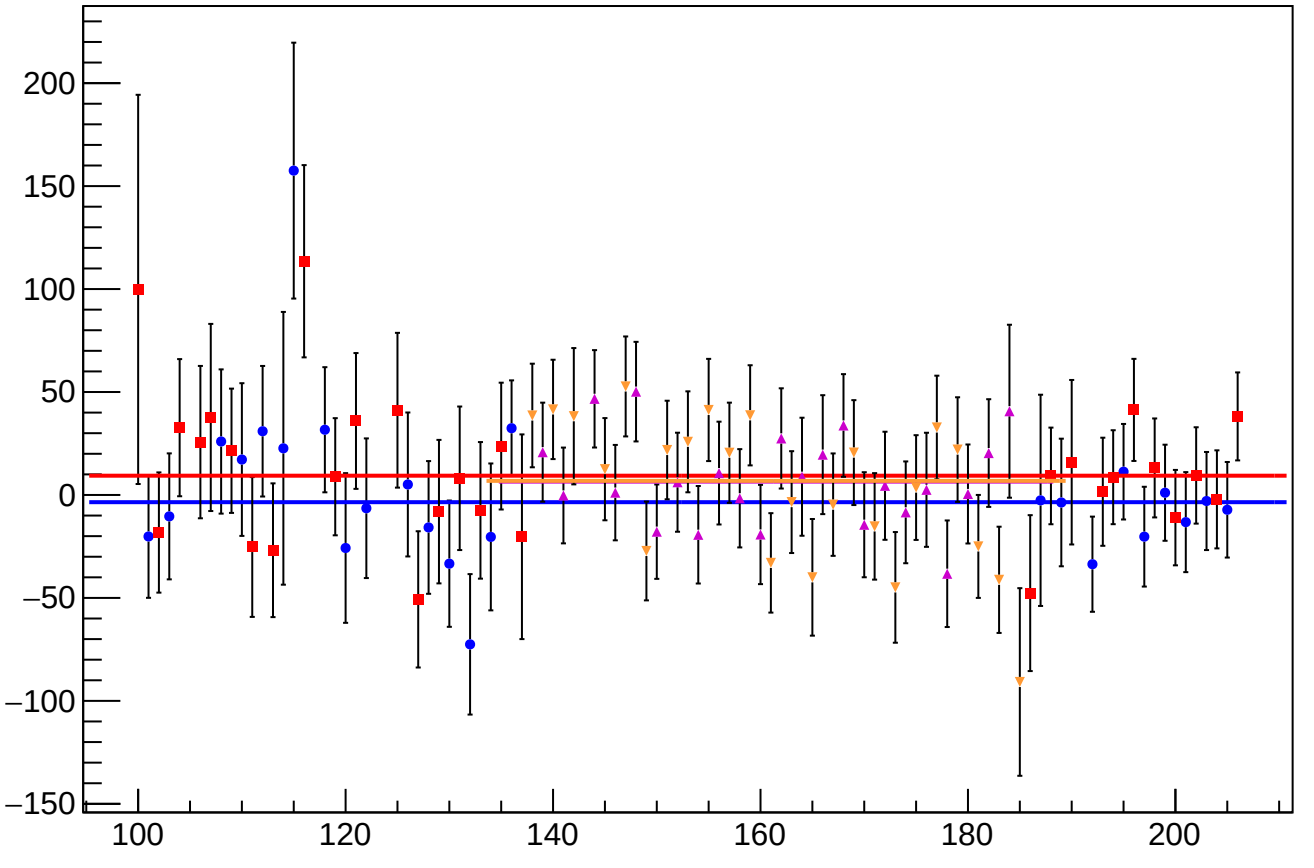
Right: -190.160+/-33.227 χ^2/NDF: 52.1/53

In: -13.606+/-32.703 χ^2/NDF:57.8/47

Out: -34.212+/-32.780 χ^2/NDF:60.1/52

All: -23.884+/-23.152 χ^2/NDF: 118.1/100


asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 174.133+/-0.034 χ²/NDF: 2184458.1/24
Left Out: 196.873+/-0.034 χ²/NDF:1725106.9/23
Right Out: 170.841+/-0.032 χ²/NDF: 2690579.4/28
Left In: 180.601+/-0.031 χ²/NDF:1628072.3/22
Left: 188.149+/-0.023 χ²/NDF: 3479589.1/46
Right: 172.369+/-0.023 χ²/NDF: 4879921.0/53
In: 177.693+/-0.023 χ²/NDF:3831890.2/47
Out: 183.296+/-0.023 χ²/NDF:4730421.1/52
All: 180.488+/-0.016 χ²/NDF: 8591596.5/100



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 9.358+/-5.583 χ^2/NDF: 22.9/28

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

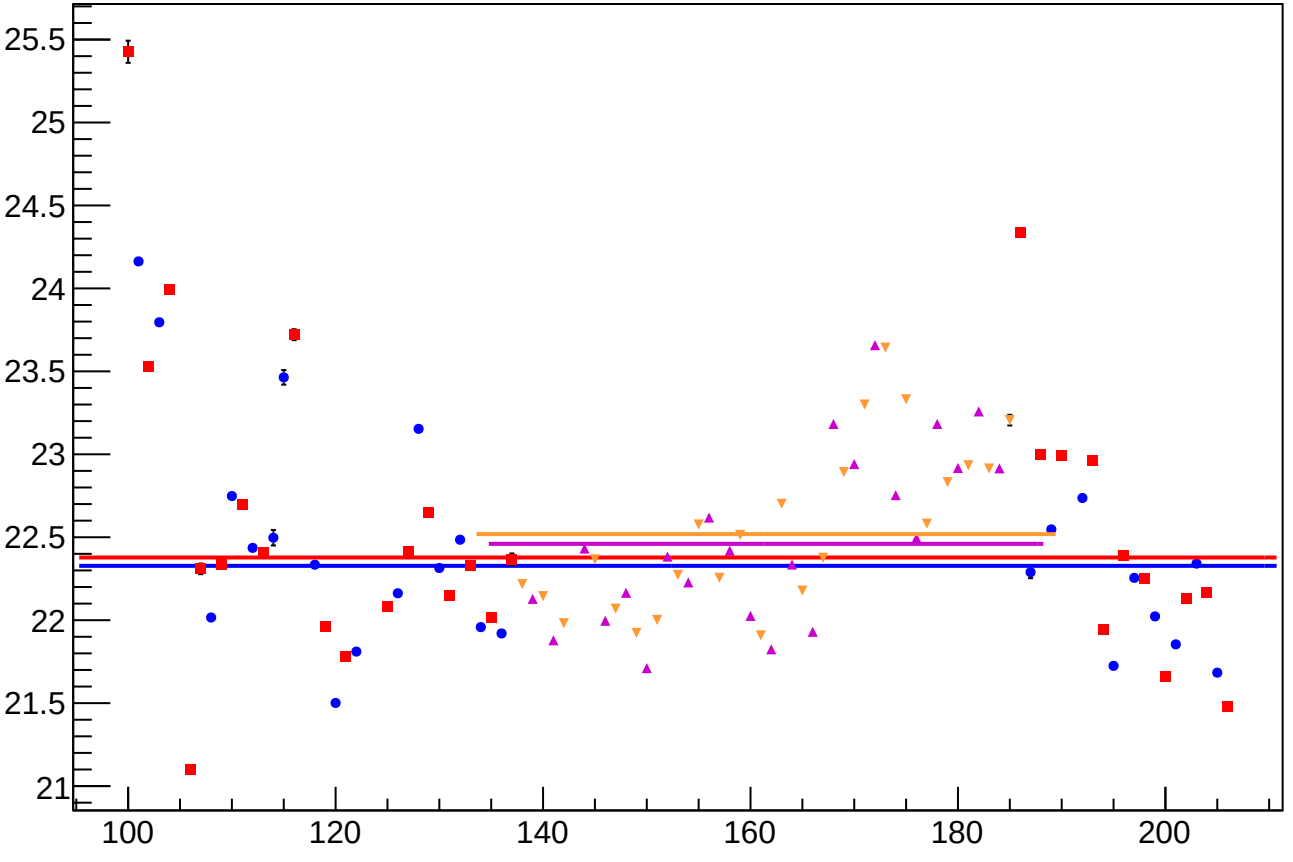
Right: 3.332+/-4.070 χ^2/NDF: 47.3/53

In: 2.111+/-3.934 χ^2/NDF:40.9/47

Out: 8.026+/-3.816 χ^2/NDF:59.9/52

All: 5.158+/-2.739 χ^2/NDF: 101.9/100

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.378+/-0.004 χ^2/NDF: 30661.8/28

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

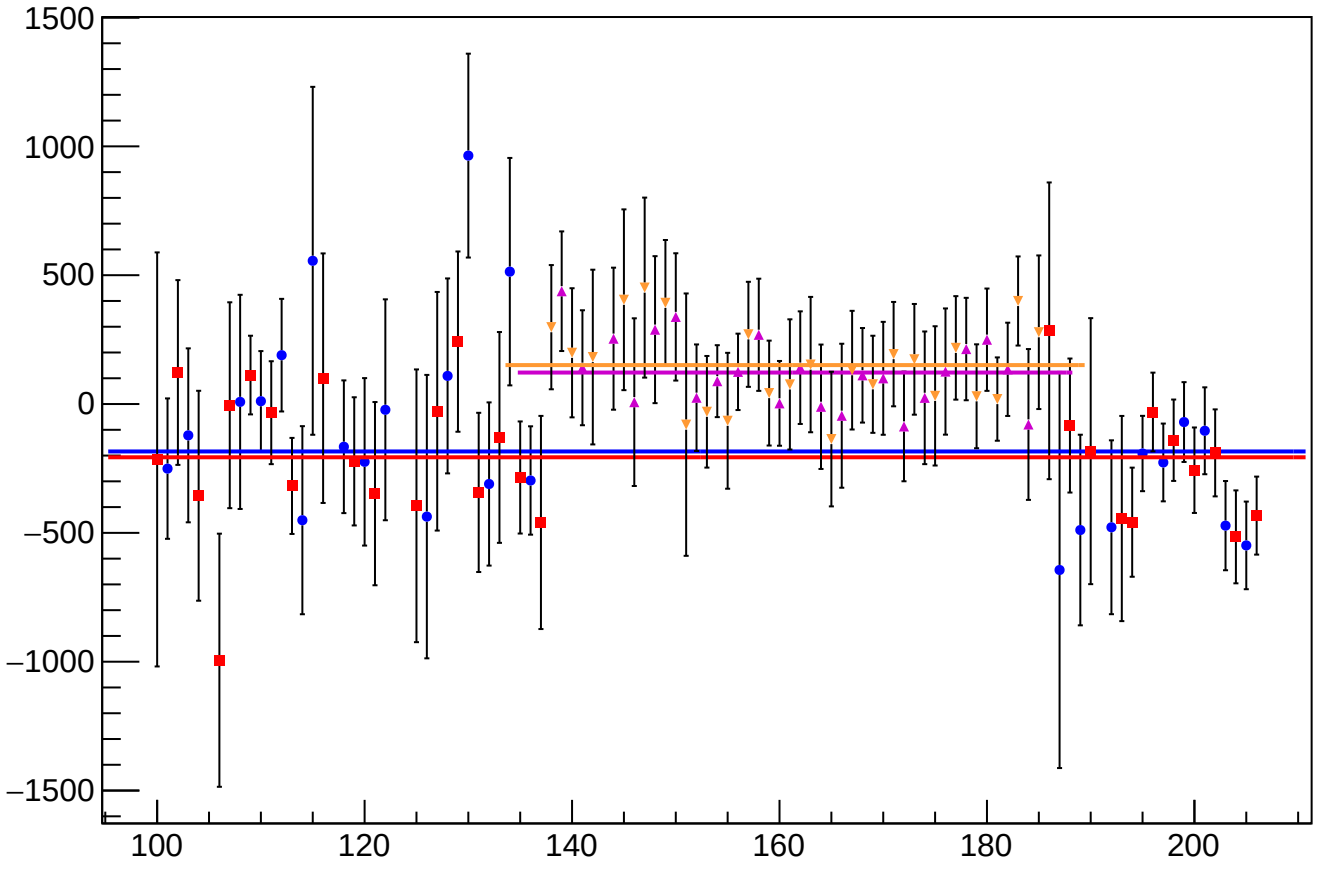
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.354+/-0.003 χ^2/NDF: 52517.9/53

In: 22.402+/-0.003 χ^2/NDF:41456.4/47

Out: 22.453+/-0.003 χ^2/NDF:47340.3/52

All: 22.428+/-0.002 χ^2/NDF: 88969.0/100



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -206.657+/-45.190 χ^2/NDF: 22.0/28

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

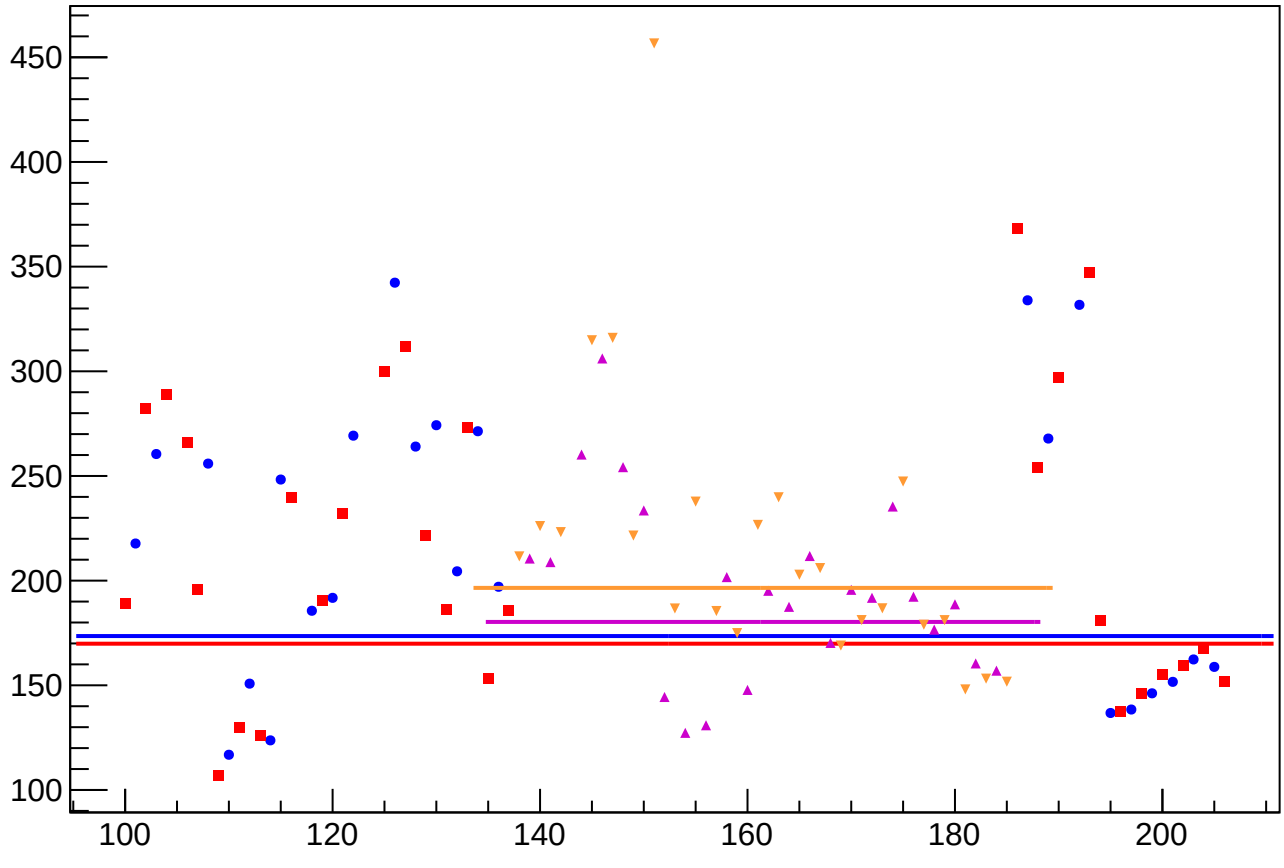
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -196.177+/-33.104 χ^2/NDF: 50.4/53

In: -15.691+/-32.630 χ^2/NDF:57.6/47

Out: -35.991+/-32.680 χ^2/NDF:61.9/52

All: -25.825+/-23.090 χ^2/NDF: 119.6/100



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 169.875+/-0.032 χ^2/NDF: 2759453.1/28

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

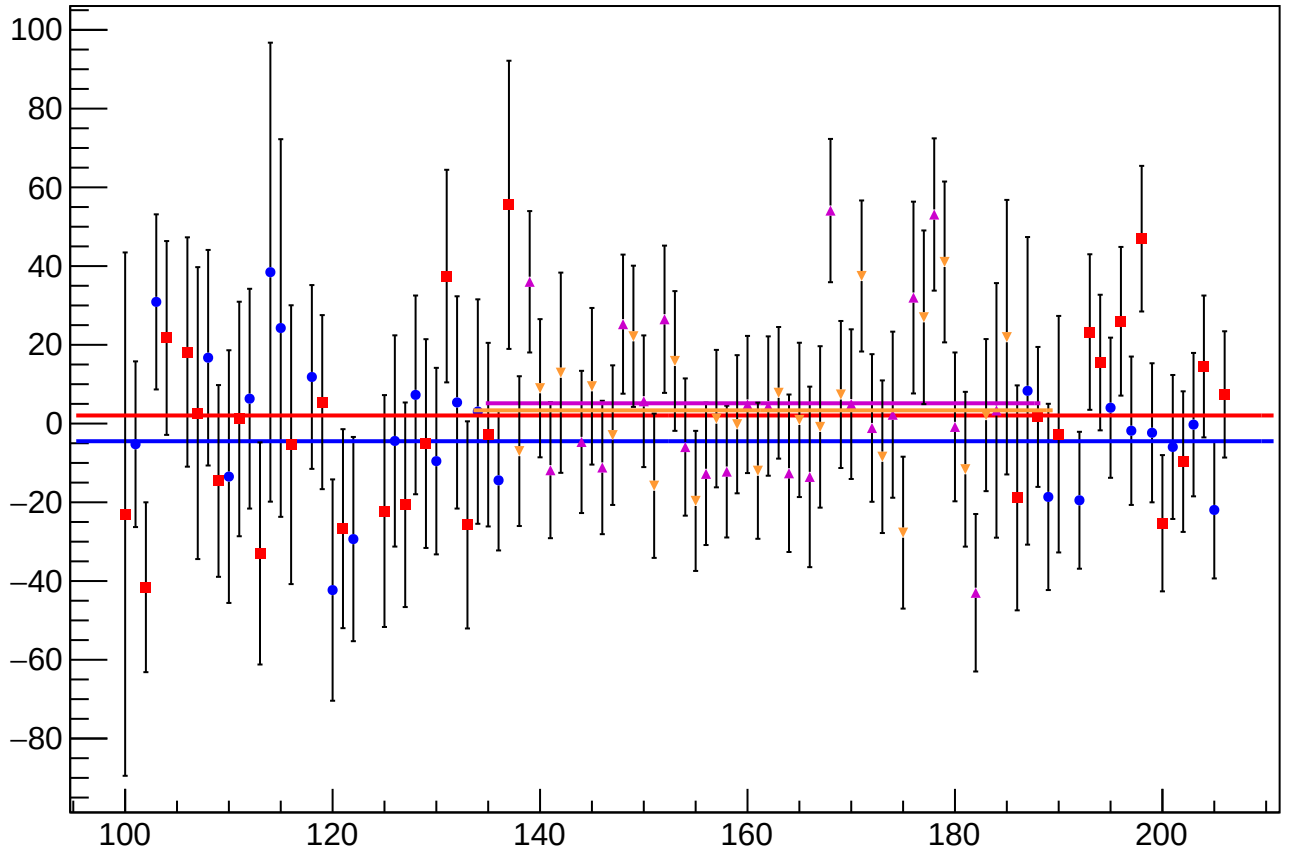
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 171.568+/-0.023 χ^2/NDF: 4979615.5/53

In: 177.237+/-0.023 χ^2/NDF:3859962.0/47

Out: 182.592+/-0.023 χ^2/NDF:4819344.5/52

All: 179.910+/-0.016 χ^2/NDF: 8706203.7/100



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 2.055+/-4.285 χ^2/NDF: 28.4/28

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

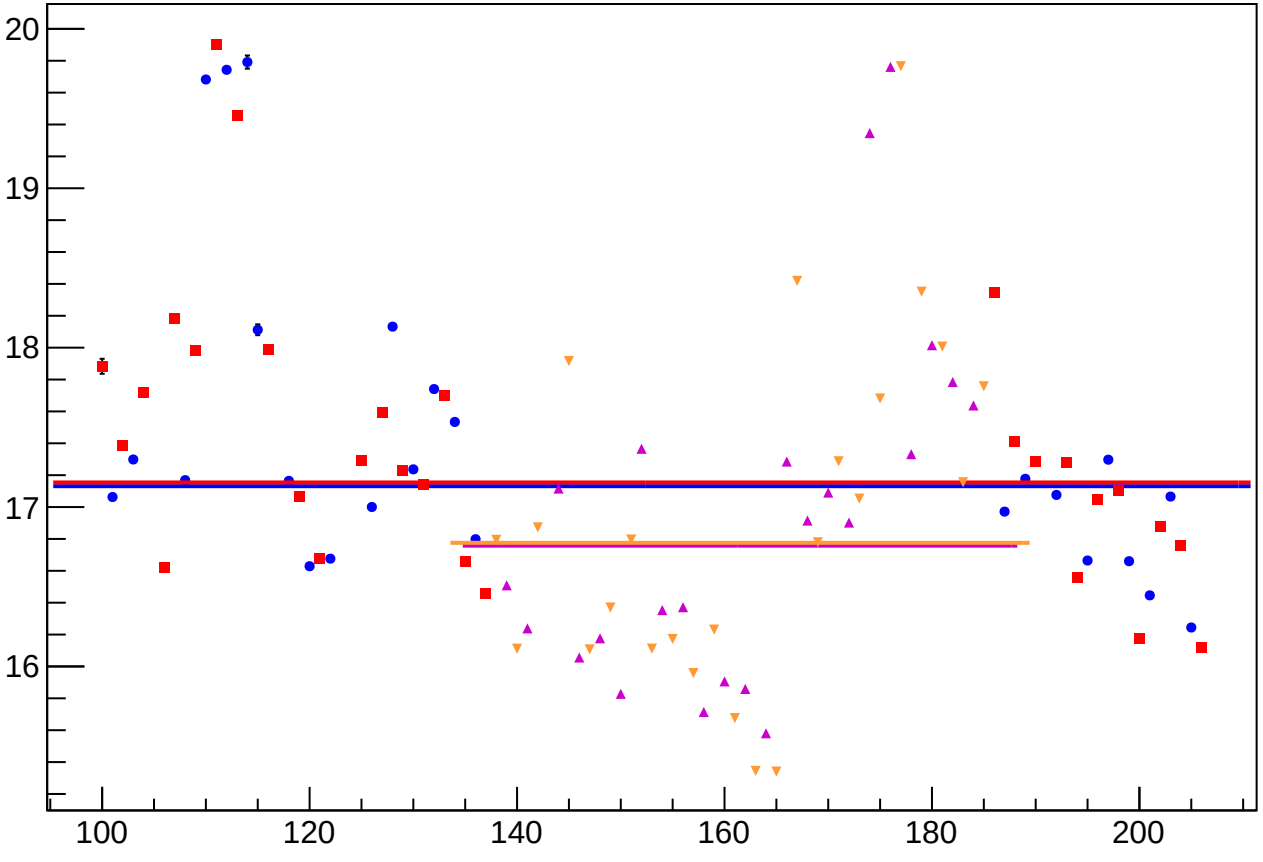
Right: -1.006+/-3.125 χ^2/NDF: 40.3/53

In: 1.059+/-2.977 χ^2/NDF:45.6/47

Out: 2.767+/-2.886 χ^2/NDF:46.2/52

All: 1.940+/-2.072 χ^2/NDF: 92.0/100

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.154+/-0.003 χ^2/NDF: 64025.3/28

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

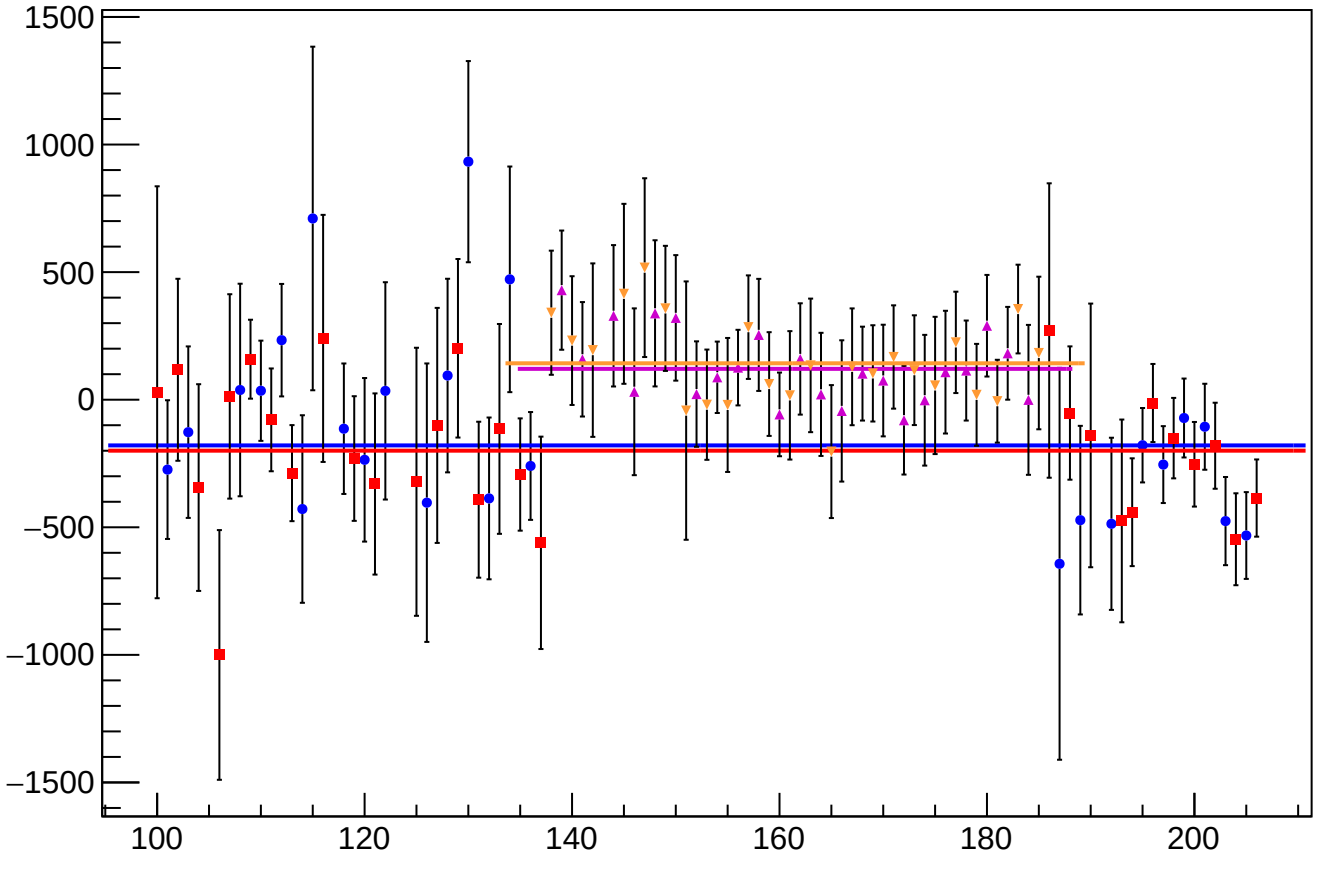
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.143+/-0.002 χ^2/NDF: 116998.1/53

In: 16.916+/-0.002 χ^2/NDF:183930.4/47

Out: 16.948+/-0.002 χ^2/NDF:208701.7/52

All: 16.932+/-0.001 χ^2/NDF: 392746.0/100



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -199.710+/-45.258 χ^2/NDF: 23.4/28

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

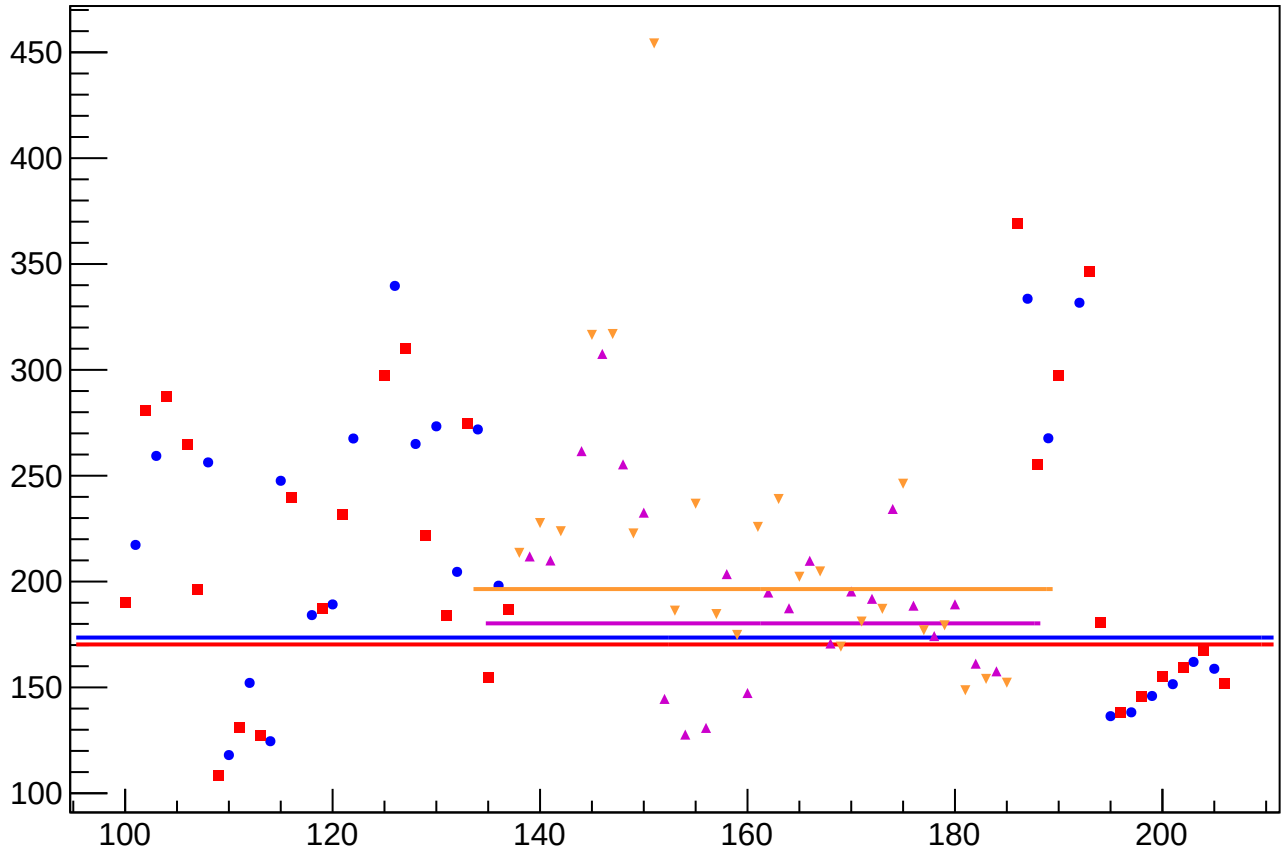
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -190.150+/-33.127 χ^2/NDF: 52.5/53

In: -14.168+/-32.622 χ^2/NDF:58.2/47

Out: -36.014+/-32.696 χ^2/NDF:60.9/52

All: -25.066+/-23.093 χ^2/NDF: 119.3/100



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.293+/-0.032 χ^2/NDF: 2707230.1/28

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

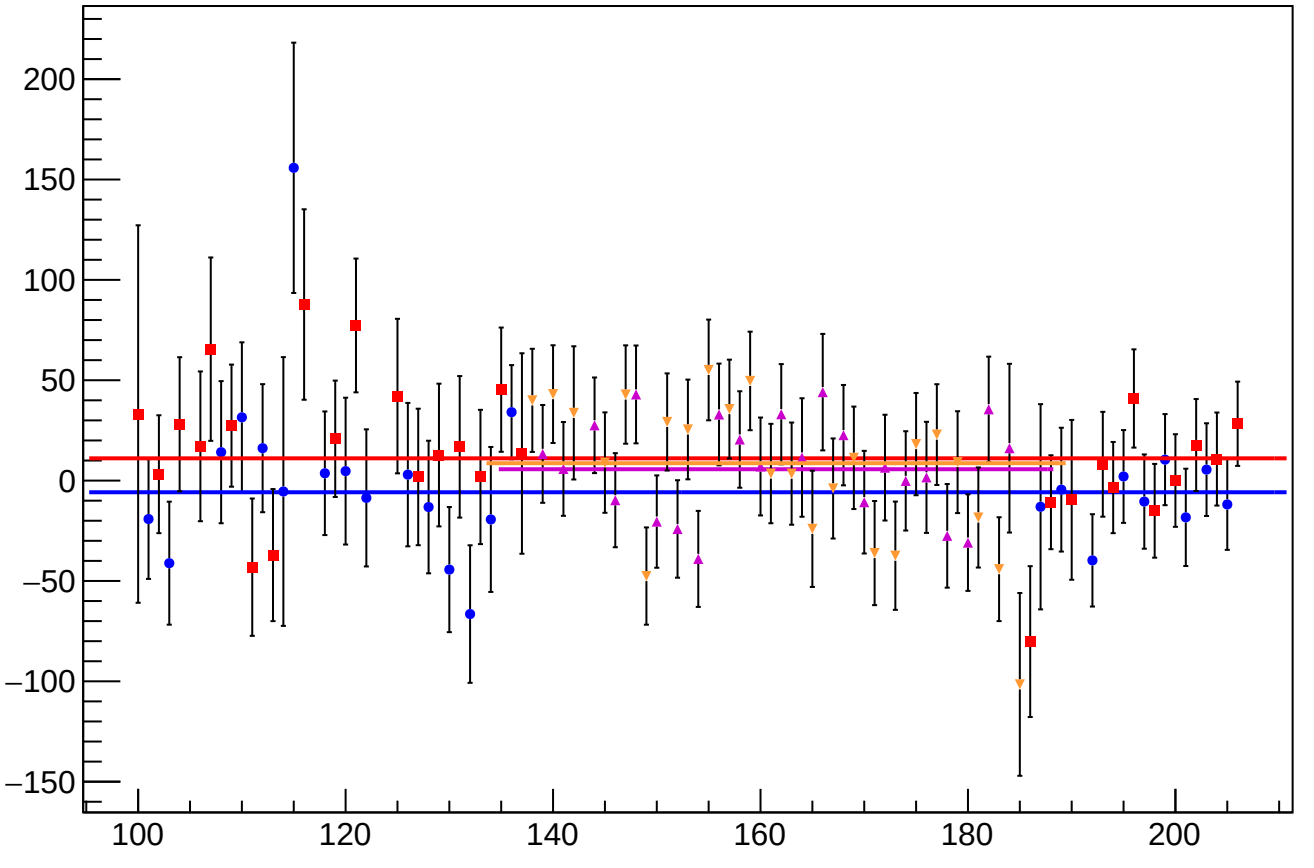
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 171.806+/-0.023 χ^2/NDF: 4909526.9/53

In: 177.233+/-0.023 χ^2/NDF:3846122.7/47

Out: 182.799+/-0.023 χ^2/NDF:4750195.0/52

All: 180.010+/-0.016 χ^2/NDF: 8625360.5/100



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 11.095+/-5.571 χ^2/NDF: 26.7/28

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

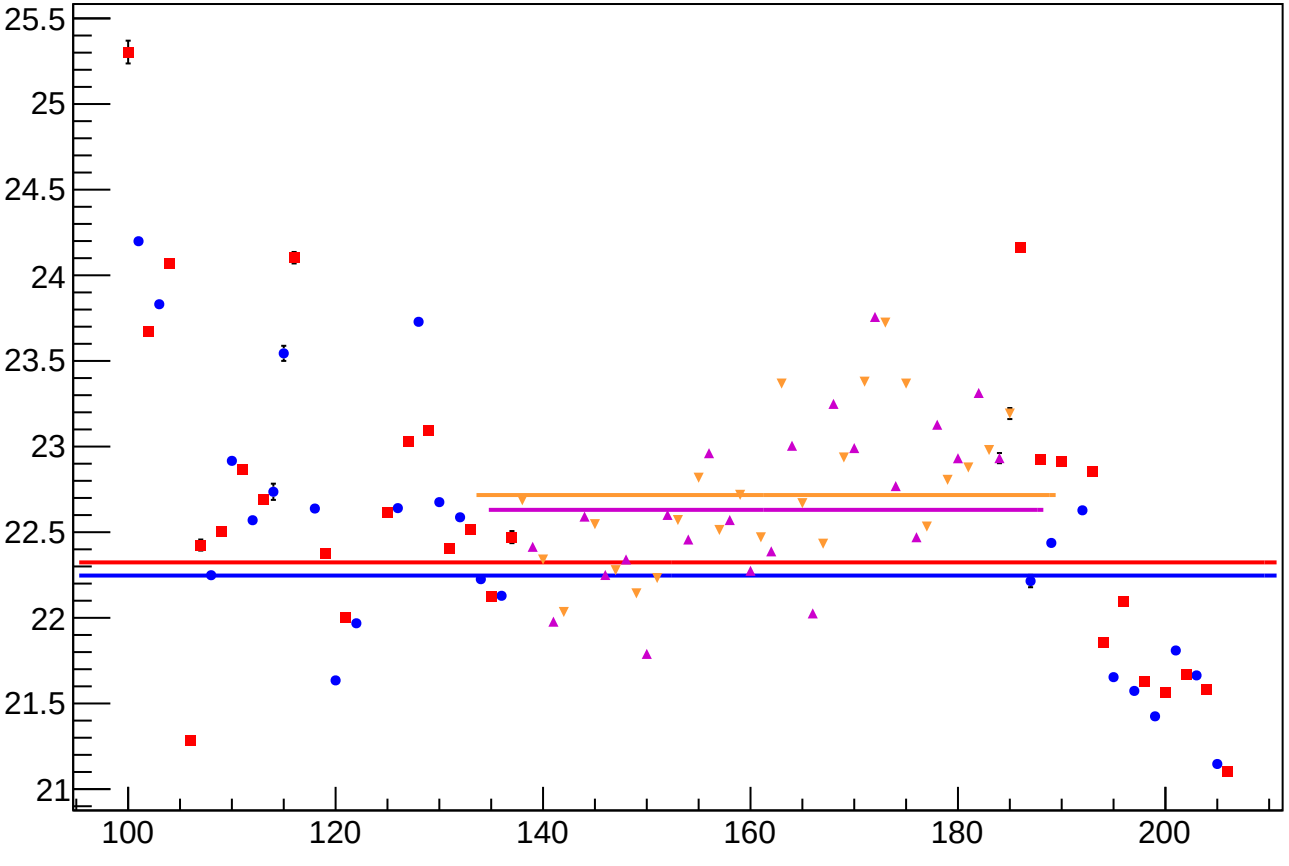
Right: 3.168+/-4.059 χ^2/NDF: 52.5/53

In: 0.584+/-3.945 χ^2/NDF:44.4/47

Out: 9.814+/-3.830 χ^2/NDF:66.0/52

All: 5.335+/-2.748 χ^2/NDF: 113.1/100

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.324+/-0.004 χ^2/NDF: 41898.1/28

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

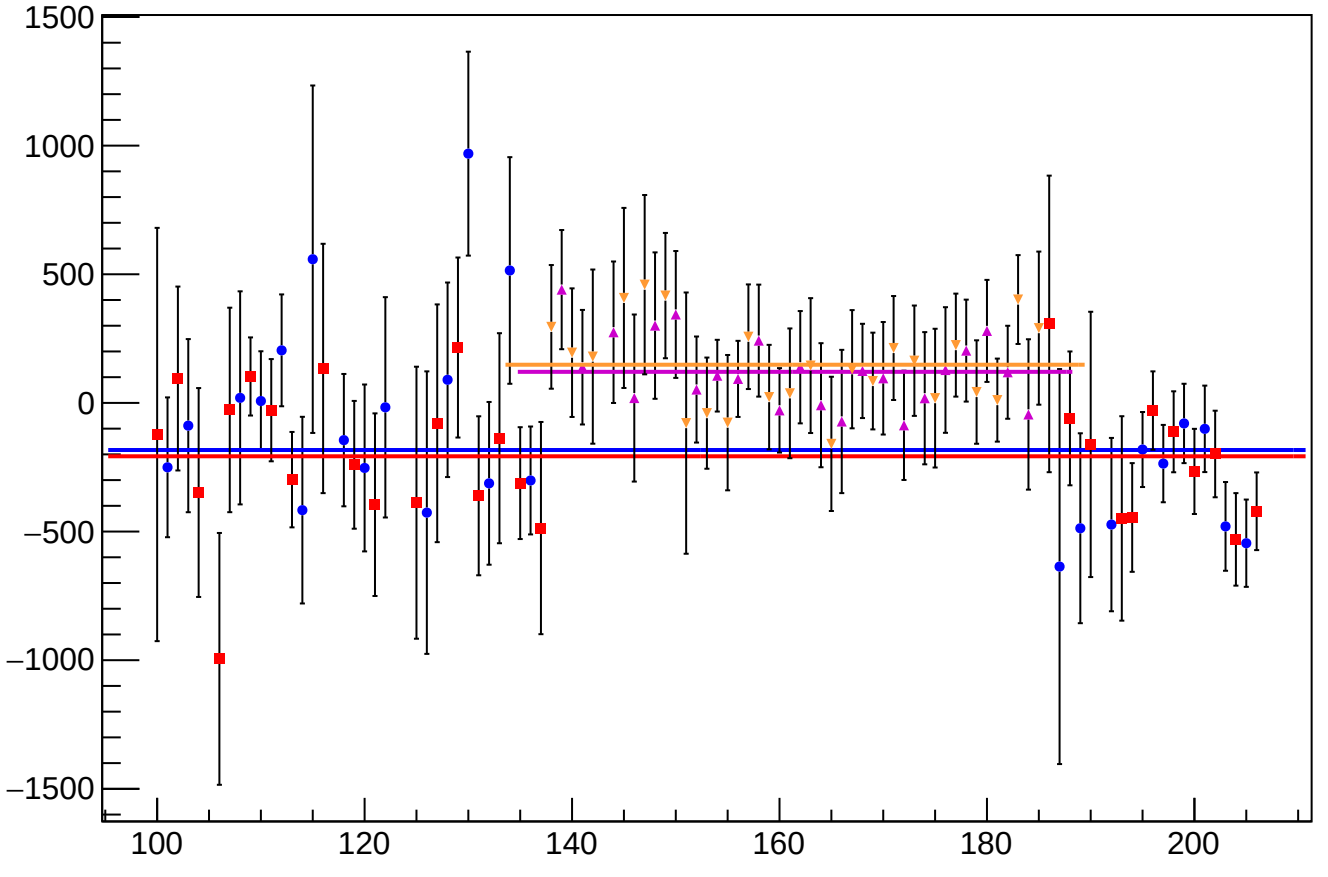
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.288+/-0.003 χ^2/NDF: 76575.2/53

In: 22.461+/-0.003 χ^2/NDF:54557.5/47

Out: 22.531+/-0.003 χ^2/NDF:59330.2/52

All: 22.497+/-0.002 χ^2/NDF: 114216.7/100



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -207.441+/-45.056 χ^2/NDF: 22.1/28

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

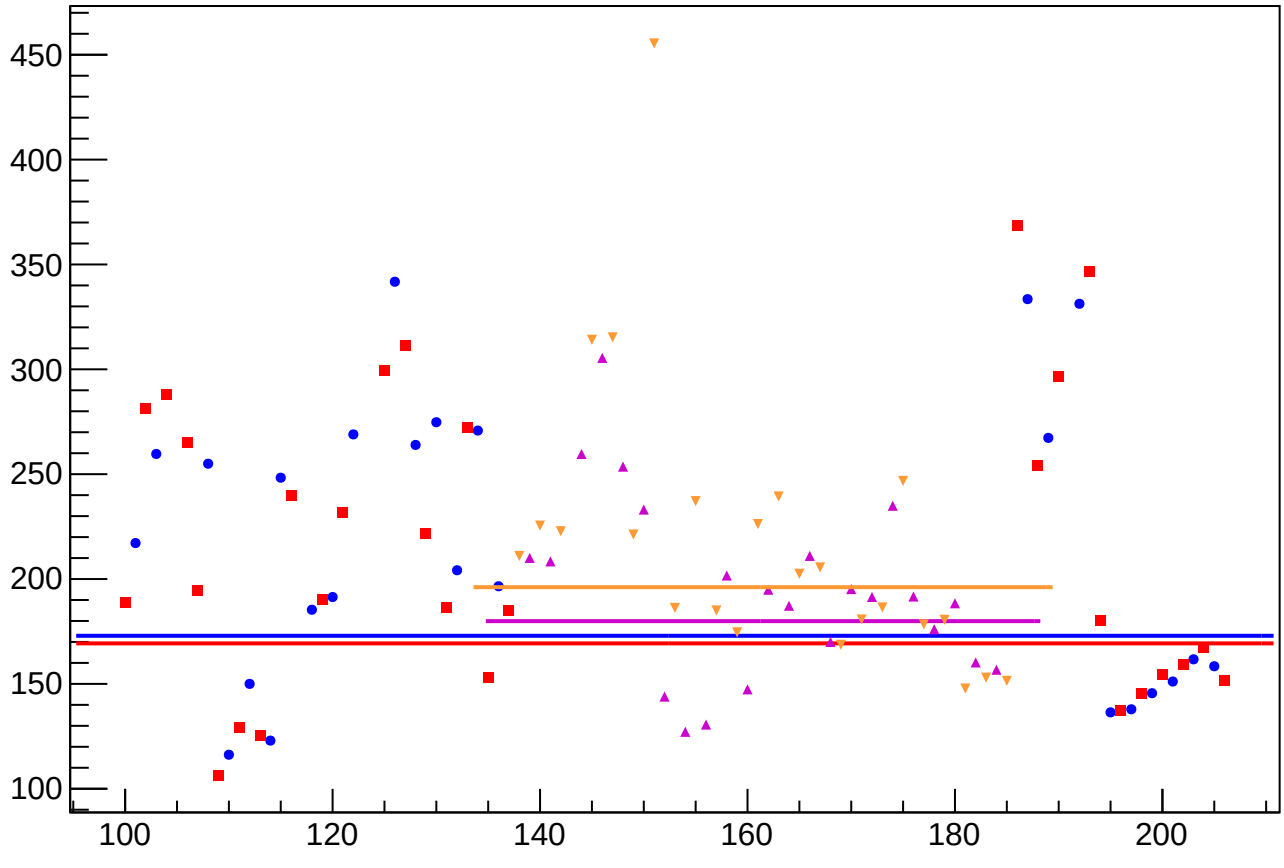
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -196.142+/-33.003 χ^2/NDF: 50.9/53

In: -16.199+/-32.549 χ^2/NDF:58.1/47

Out: -37.825+/-32.595 χ^2/NDF:62.8/52

All: -26.997+/-23.032 χ^2/NDF: 121.1/100



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.320+/-0.032 χ^2/NDF: 2776962.4/28

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

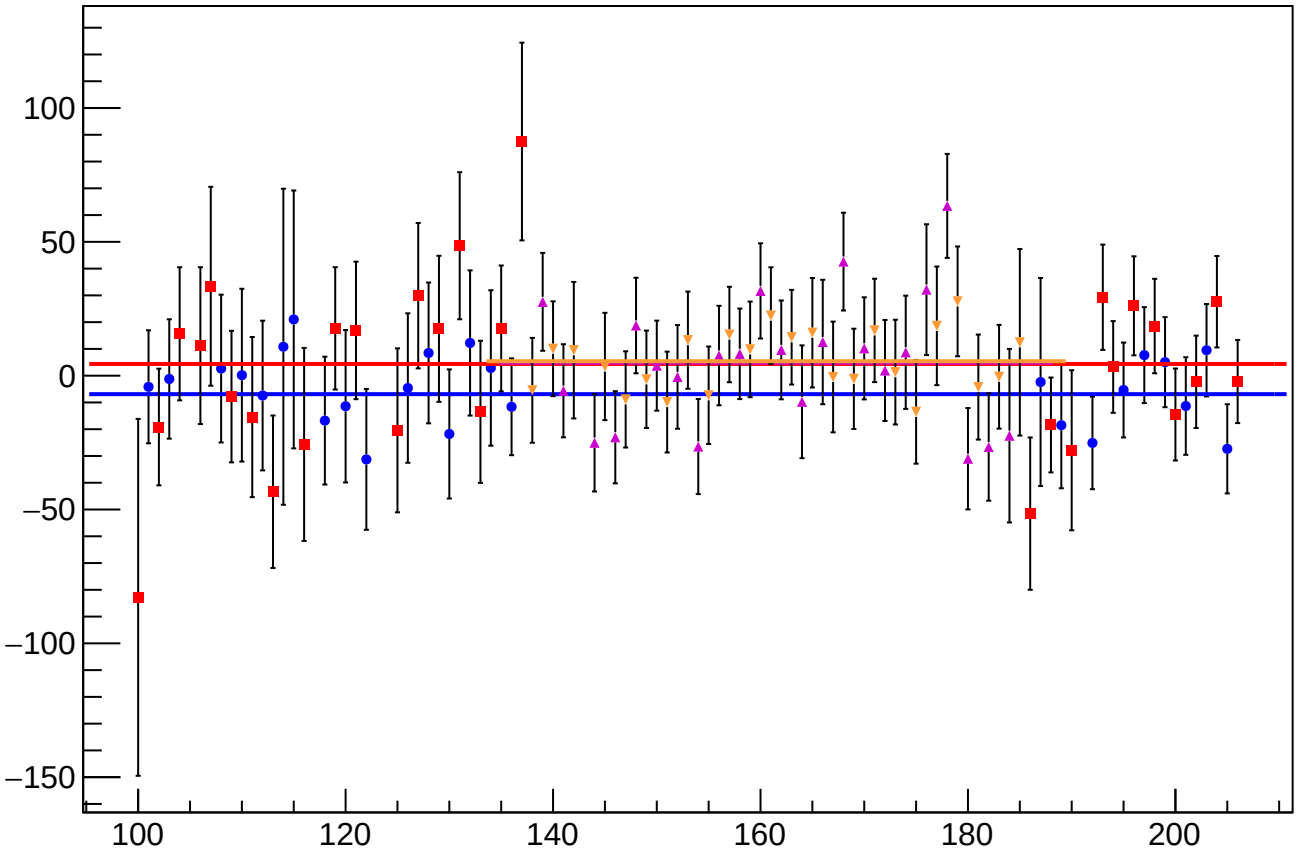
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 170.997+/-0.023 χ^2/NDF: 5010613.0/53

In: 176.775+/-0.023 χ^2/NDF:3874617.5/47

Out: 182.090+/-0.023 χ^2/NDF:4840324.2/52

All: 179.429+/-0.016 χ^2/NDF: 8741570.7/100



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.377+/-4.261 χ^2/NDF: 32.4/28

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

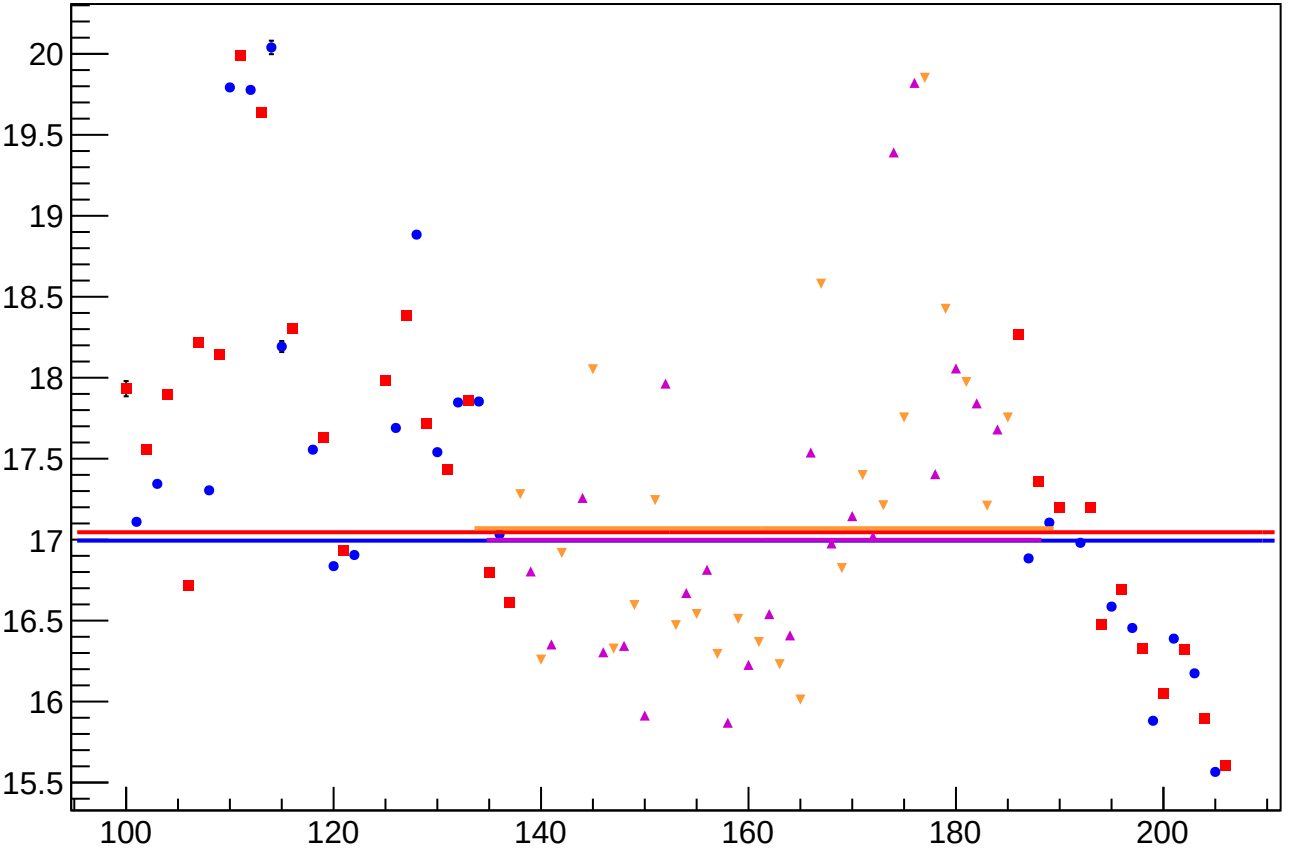
Right: -0.912+/-3.105 χ^2/NDF: 43.8/53

In: -0.260+/-2.992 χ^2/NDF:47.5/47

Out: 4.927+/-2.905 χ^2/NDF:40.2/52

All: 2.410+/-2.084 χ^2/NDF: 89.2/100

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.046+/-0.003 χ^2/NDF: 107764.9/28

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

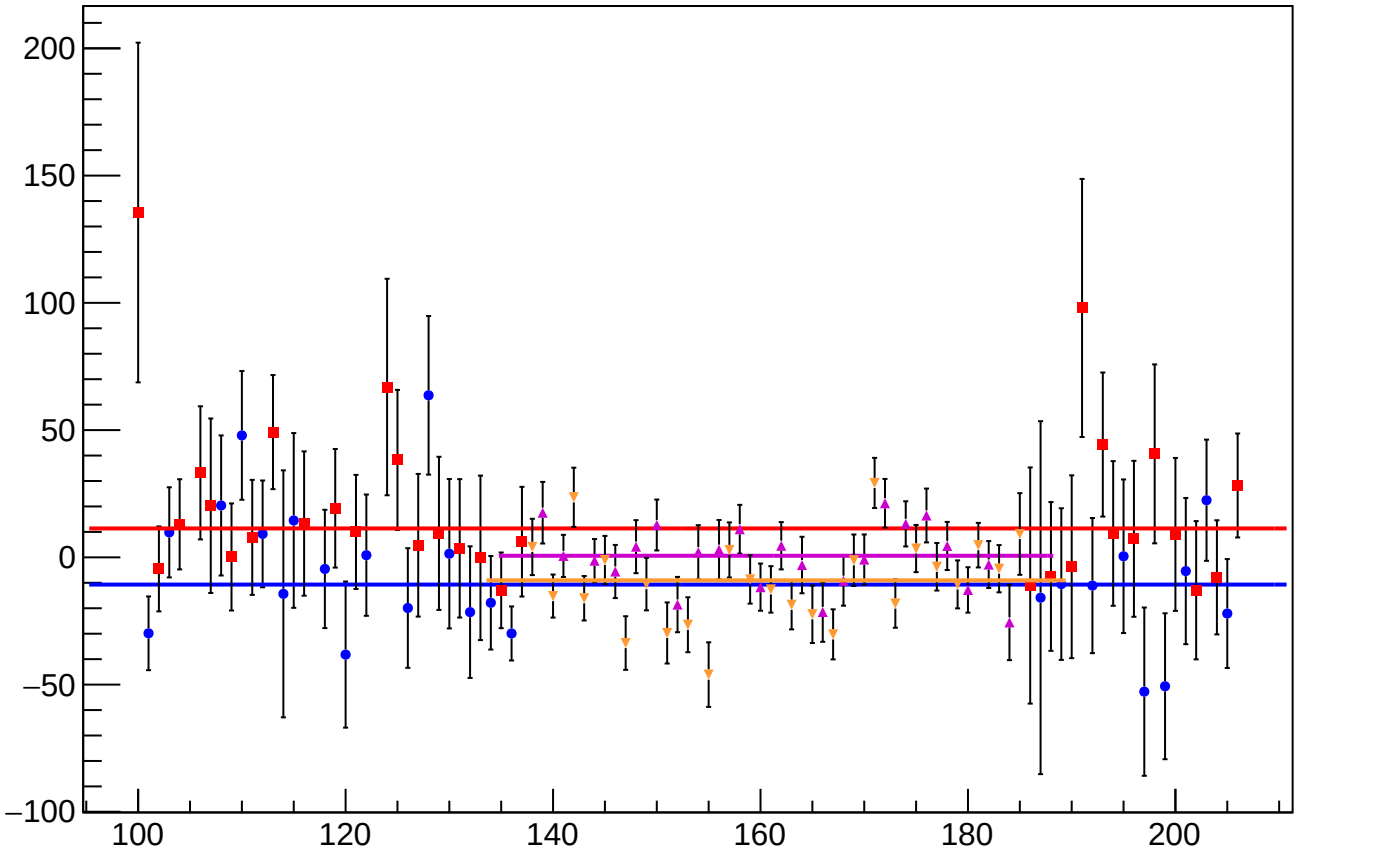
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

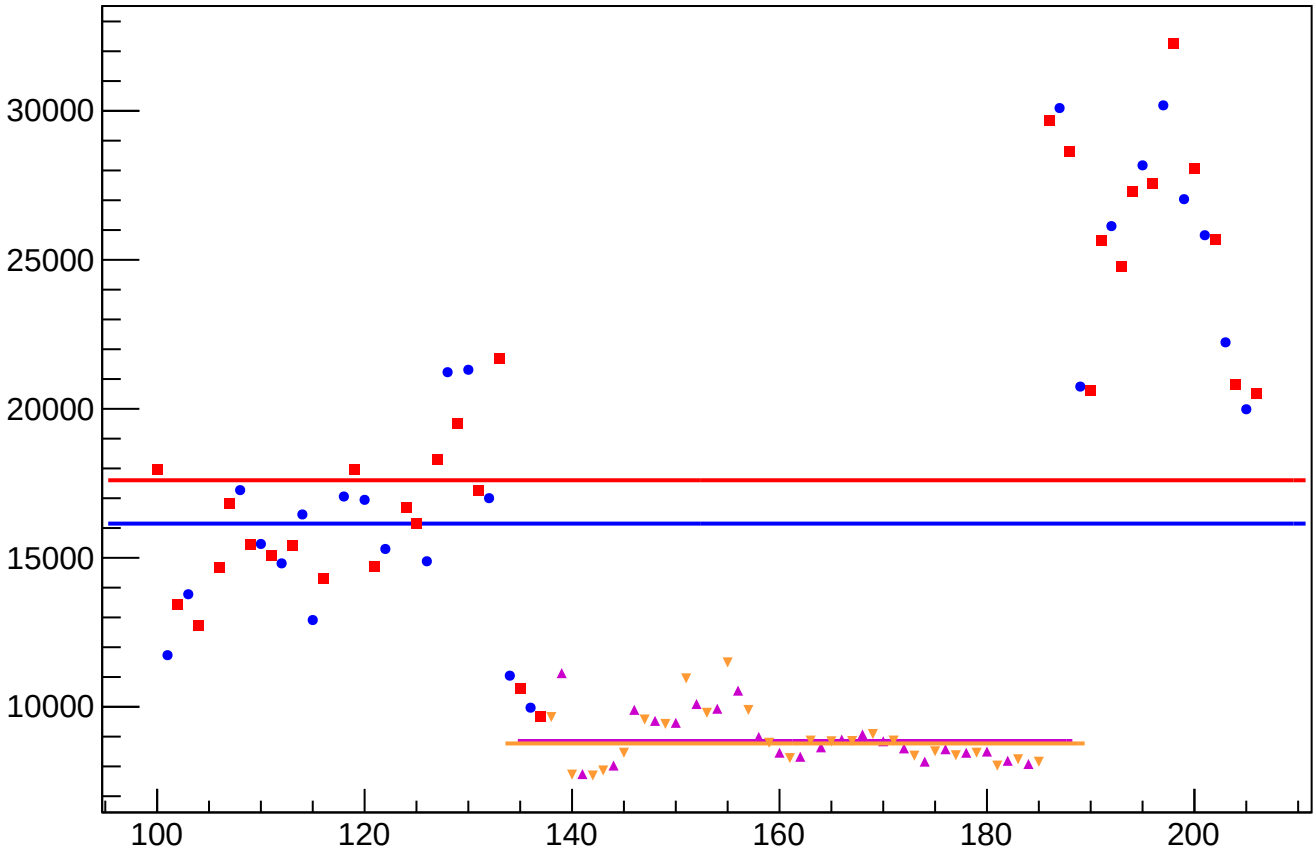
Right: 17.021+/-0.002 χ^2/NDF: 200749.5/53

In: 16.997+/-0.002 χ^2/NDF:196867.4/47

Out: 17.059+/-0.002 χ^2/NDF:204114.1/52

All: 17.029+/-0.001 χ^2/NDF: 401431.2/100


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.694+/-4.579 χ²/NDF: 28.0/24
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 11.362+/-4.572 χ²/NDF: 22.1/30
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.353+/-3.235 χ²/NDF: 61.7/55
In: -1.307+/-1.893 χ²/NDF:62.6/47
Out: -5.734+/-1.837 χ²/NDF:100.8/55
All: -3.587+/-1.318 χ²/NDF: 166.2/103



Right In: 16148.430+/-3.238 χ^2/NDF: 3014231.7/24

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17602.985+/-3.233 χ^2/NDF: 3092772.7/30

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

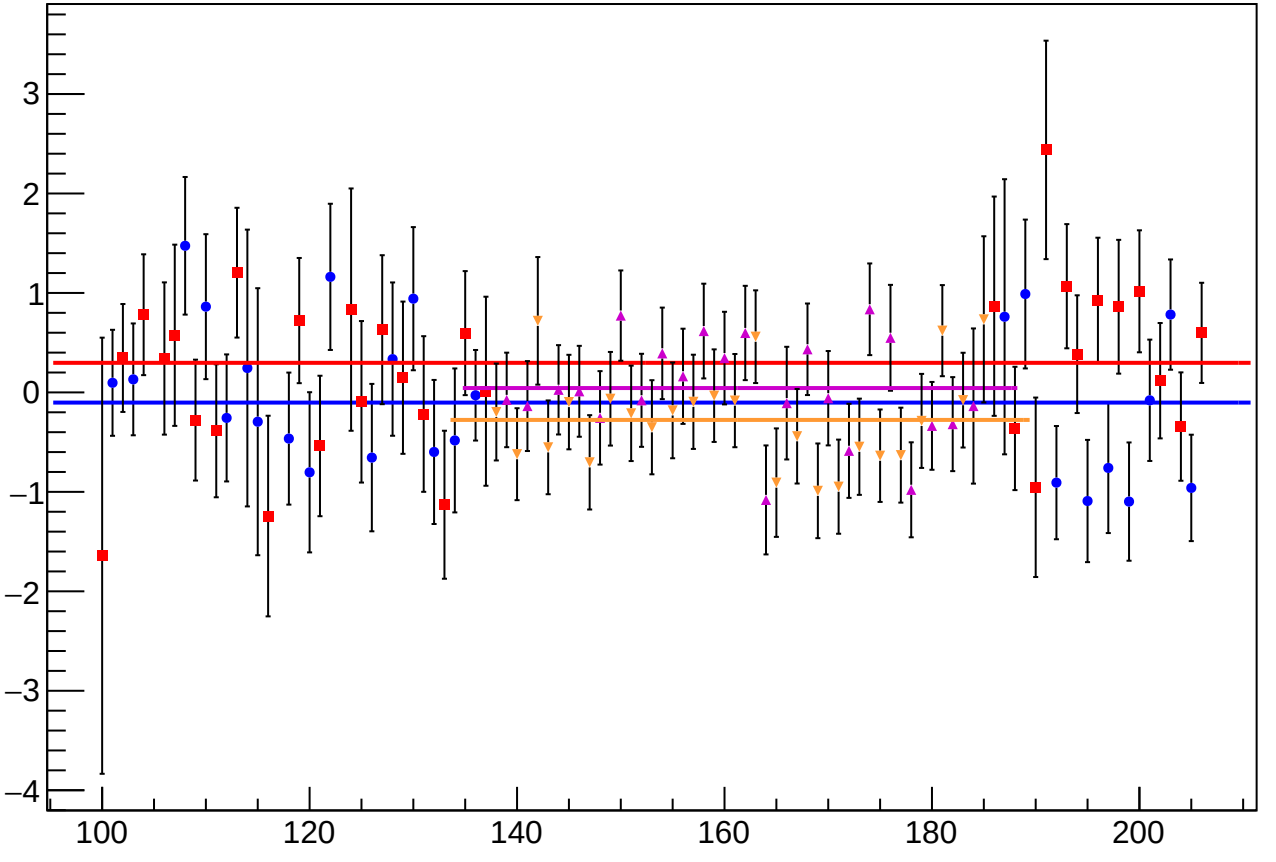
Right: 16876.951+/-2.288 χ^2/NDF: 6208064.7/55

In: 10099.793+/-1.339 χ^2/NDF:7522591.1/47

Out: 10196.927+/-1.299 χ^2/NDF:9697906.7/55

All: 10149.817+/-0.932 χ^2/NDF: 17223209.0

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.133 χ^2/NDF: 31.2/24

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.297+/-0.126 χ^2/NDF: 28.3/30

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

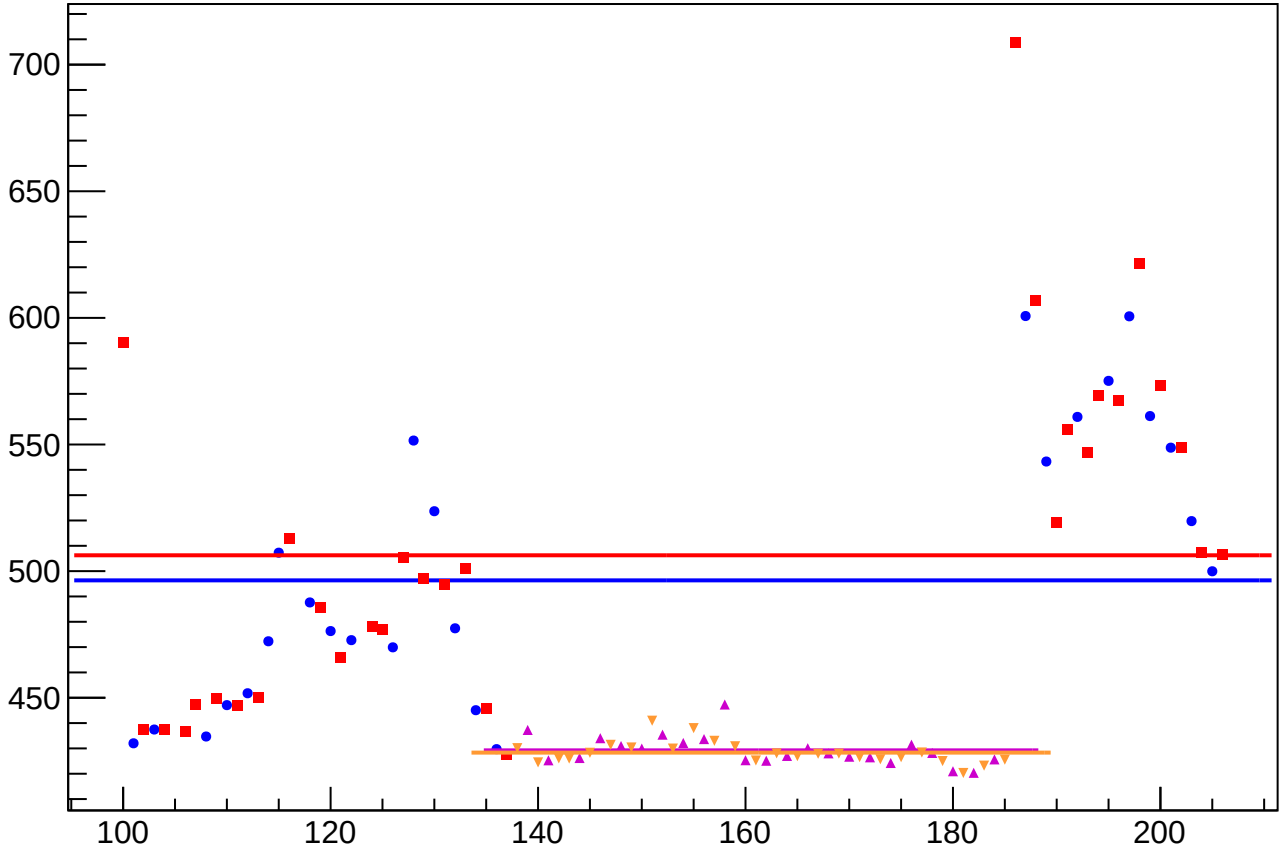
Right: 0.109+/-0.091 χ^2/NDF: 64.2/55

In: -0.009+/-0.080 χ^2/NDF:55.8/47

Out: -0.061+/-0.077 χ^2/NDF:62.4/55

All: -0.036+/-0.055 χ^2/NDF: 118.4/103

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 496.355+/-0.094 χ^2/NDF: 330936.4/24

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.256+/-0.089 χ^2/NDF: 447025.0/30

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

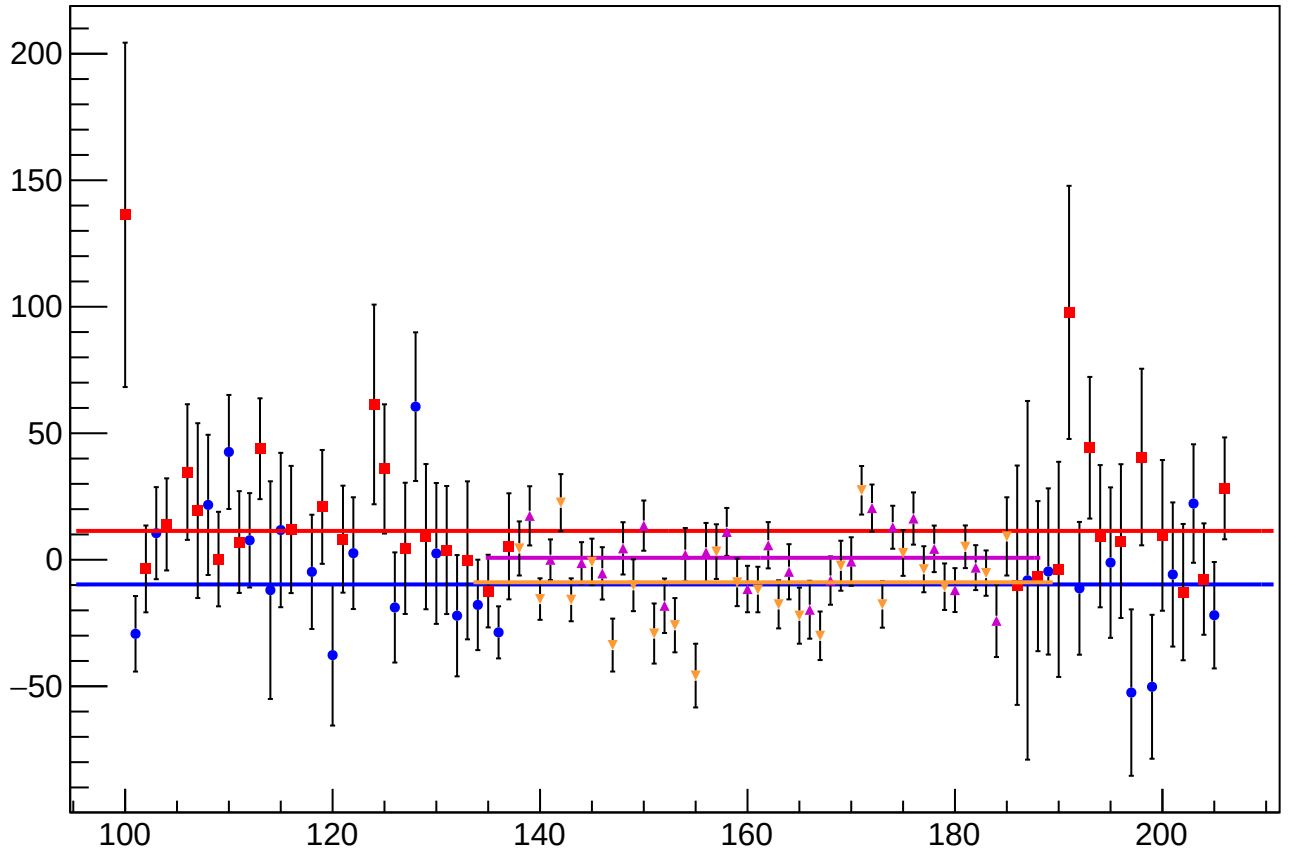
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.589+/-0.065 χ^2/NDF: 783822.4/55

In: 453.550+/-0.057 χ^2/NDF:662714.7/47

Out: 457.573+/-0.054 χ^2/NDF:932103.9/55

All: 455.642+/-0.039 χ^2/NDF: 1597444.8/103



Right In: -9.753+/-4.445 χ^2/NDF: 28.4/24

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.401+/-4.423 χ^2/NDF: 21.9/30

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

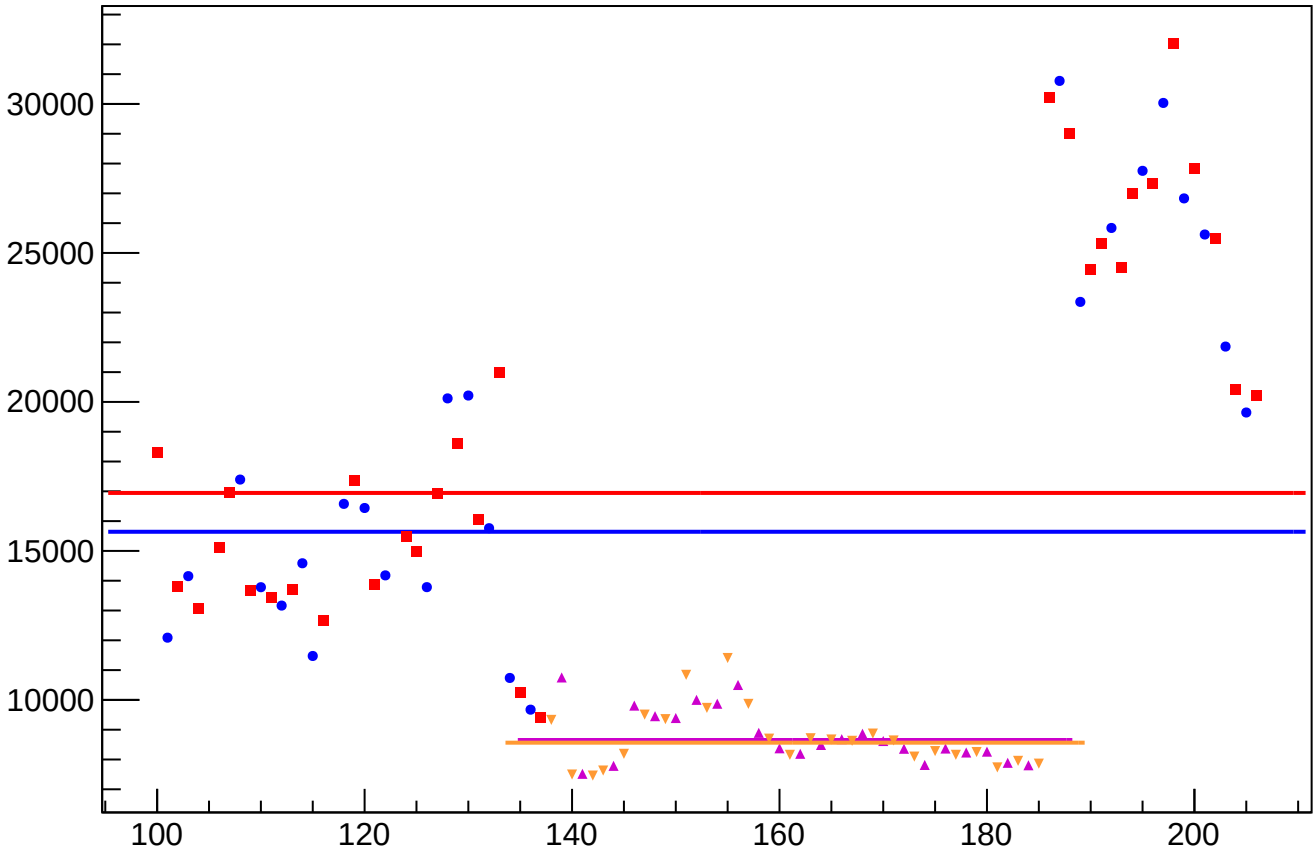
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.876+/-3.135 χ^2/NDF: 61.7/55

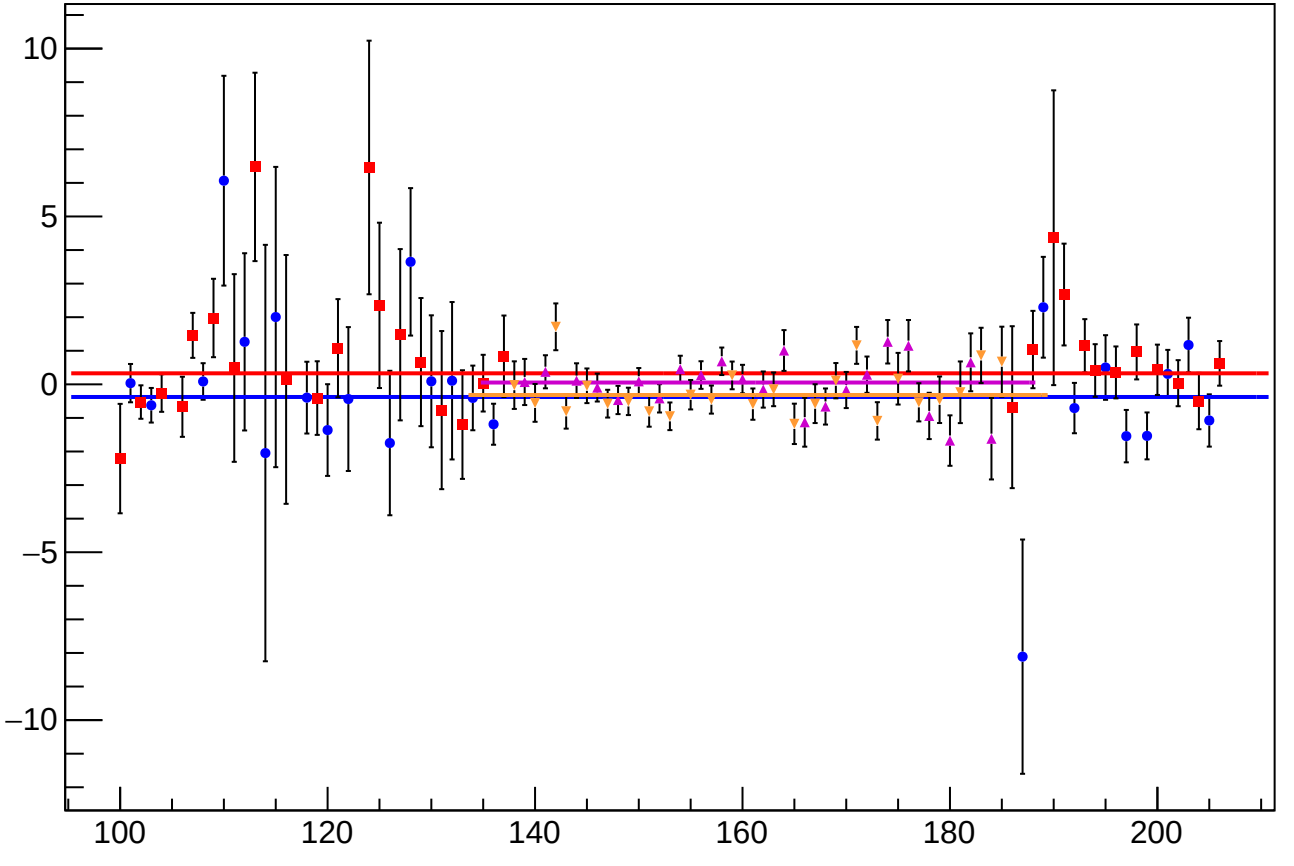
In: -1.050+/-1.849 χ^2/NDF:62.3/47

Out: -5.569+/-1.793 χ^2/NDF:101.1/55

All: -3.380+/-1.287 χ^2/NDF: 166.5/103


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15642.736+/-3.143 χ²/NDF: 3160186.9/24
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16945.713+/-3.127 χ²/NDF: 3379863.9/30
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16297.423+/-2.217 χ²/NDF: 6626412.0/55
In: 9864.325+/-1.308 χ²/NDF:7594025.4/47
Out: 9941.155+/-1.268 χ²/NDF:9782624.6/55
All: 9903.939+/-0.910 χ²/NDF: 17378429.6/

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.376+/-0.186 χ^2/NDF: 32.1/24

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.328+/-0.176 χ^2/NDF: 29.9/30

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

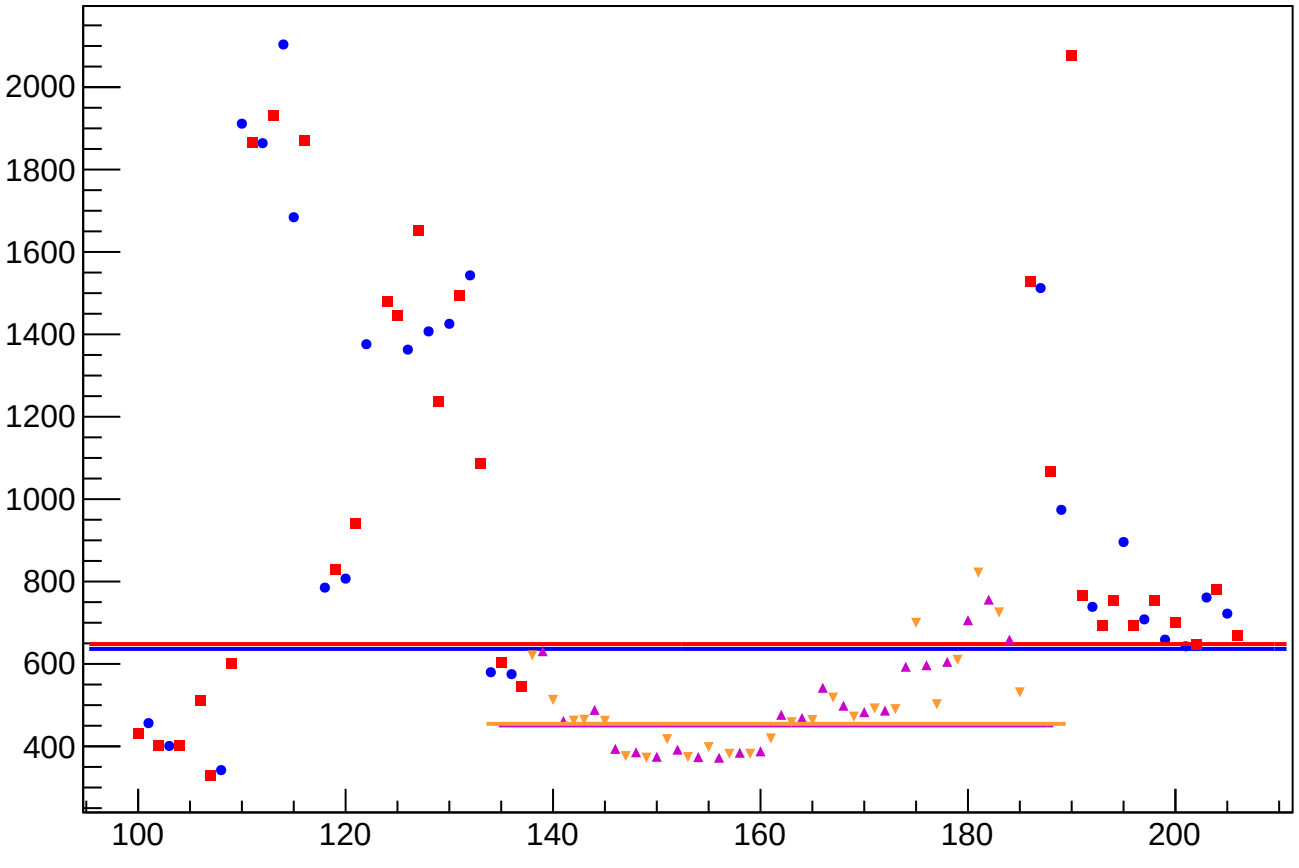
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.006+/-0.128 χ^2/NDF: 69.5/55

In: -0.055+/-0.093 χ^2/NDF:65.9/47

Out: -0.146+/-0.091 χ^2/NDF:72.0/55

All: -0.102+/-0.065 χ^2/NDF: 138.4/103



Right In: 636.453+/-0.131 χ^2/NDF: 4119495.9/24

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 648.277+/-0.125 χ^2/NDF: 4700062.7/30

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

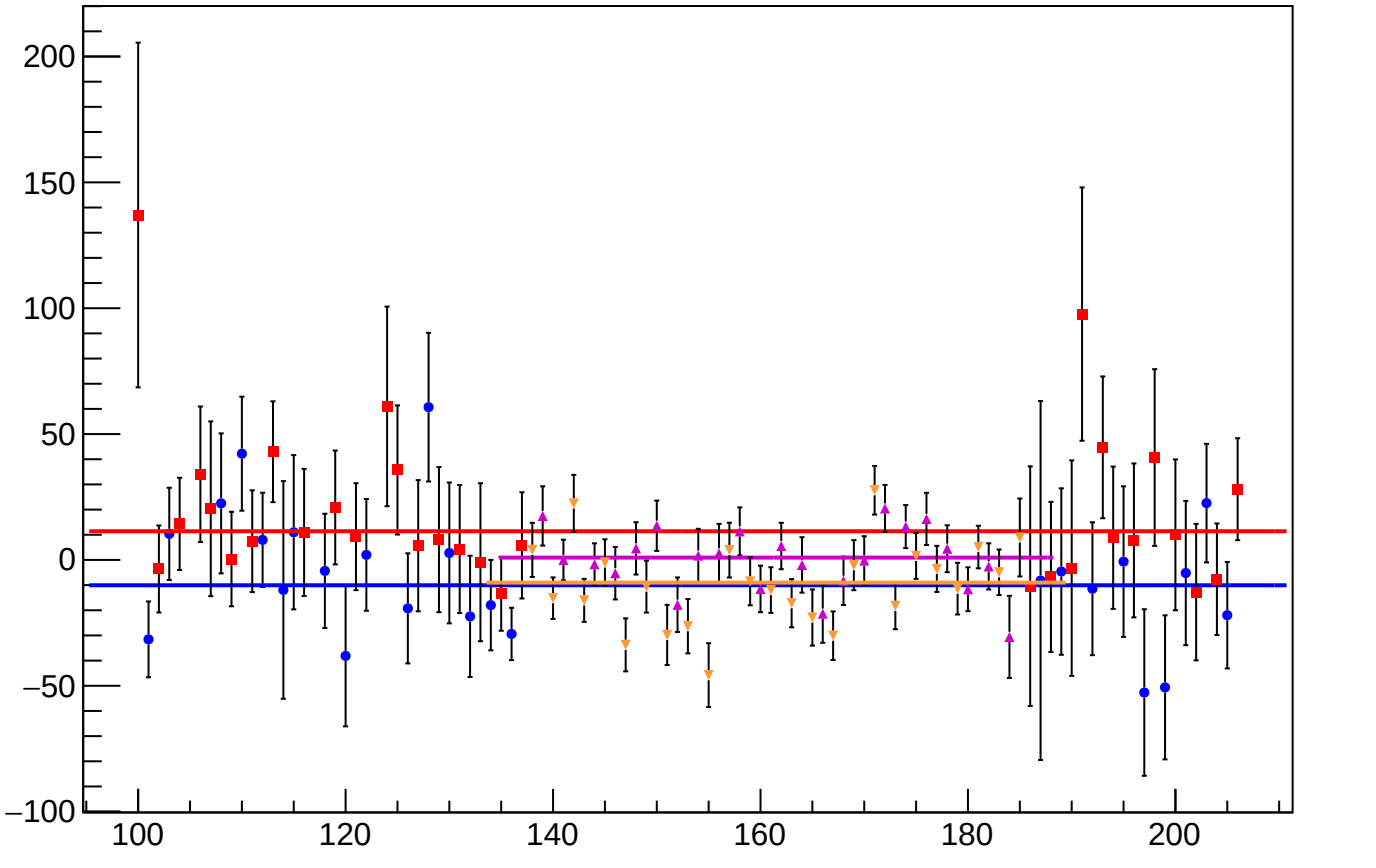
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

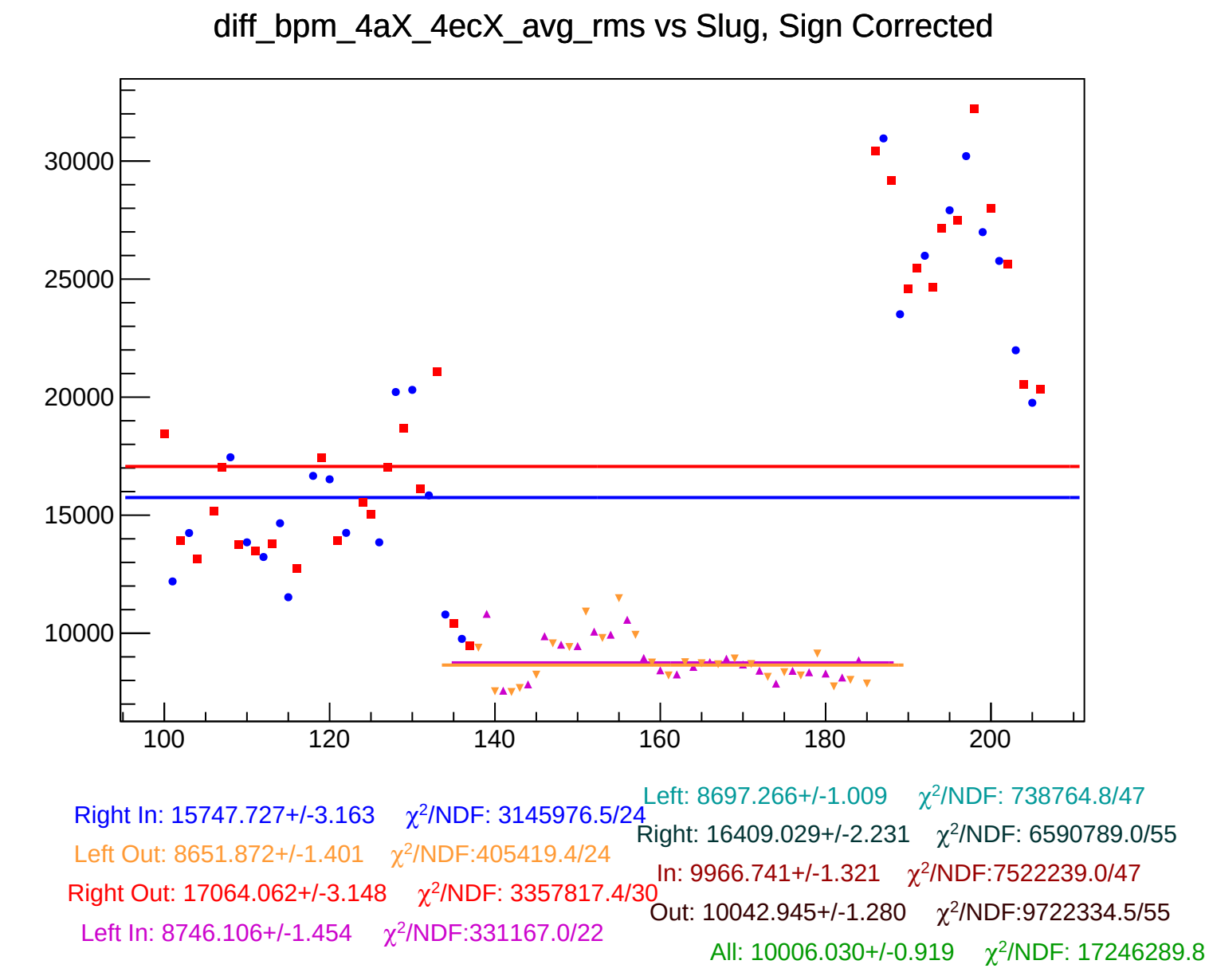
Right: 642.670+/-0.090 χ^2/NDF: 8823818.4/55

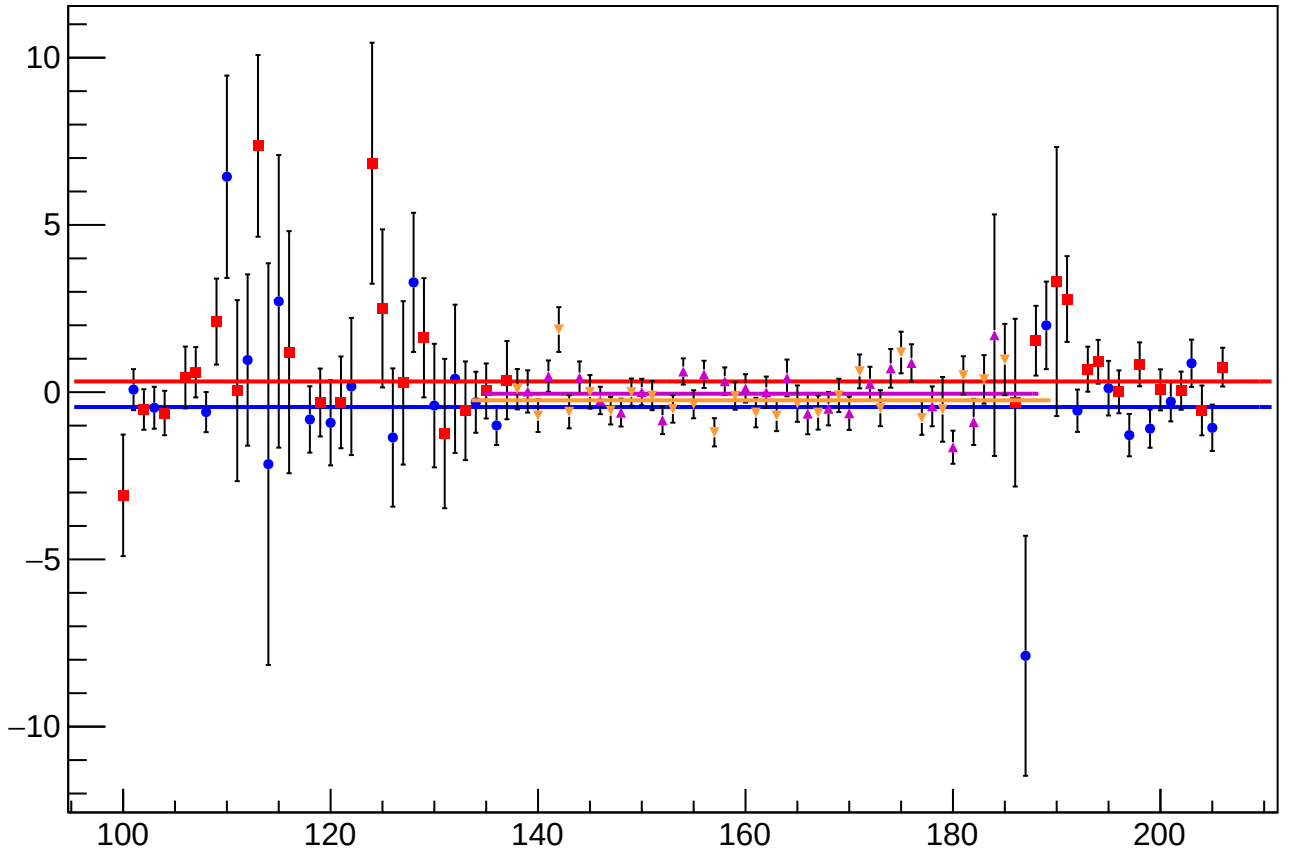
In: 497.756+/-0.066 χ^2/NDF:7083276.9/47

Out: 506.029+/-0.064 χ^2/NDF:7920987.2/55

All: 502.010+/-0.046 χ^2/NDF: 15012323.6/10


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.065+/-4.474 χ²/NDF: 28.8/24
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 11.392+/-4.452 χ²/NDF: 21.7/30
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.715+/-3.156 χ²/NDF: 62.1/55
In: -0.991+/-1.868 χ²/NDF:63.7/47
Out: -5.628+/-1.811 χ²/NDF:100.5/55
All: -3.382+/-1.300 χ²/NDF: 167.3/103


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15747.727+/-3.163 χ²/NDF: 3145976.5/24
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17064.062+/-3.148 χ²/NDF: 3357817.4/30
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16409.029+/-2.231 χ²/NDF: 6590789.0/55
In: 9966.741+/-1.321 χ²/NDF:7522239.0/47
Out: 10042.945+/-1.280 χ²/NDF:9722334.5/55
All: 10006.030+/-0.919 χ²/NDF: 17246289.8



Right In: -0.444+/-0.176 χ^2/NDF: 27.3/24

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.321+/-0.167 χ^2/NDF: 32.5/30

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

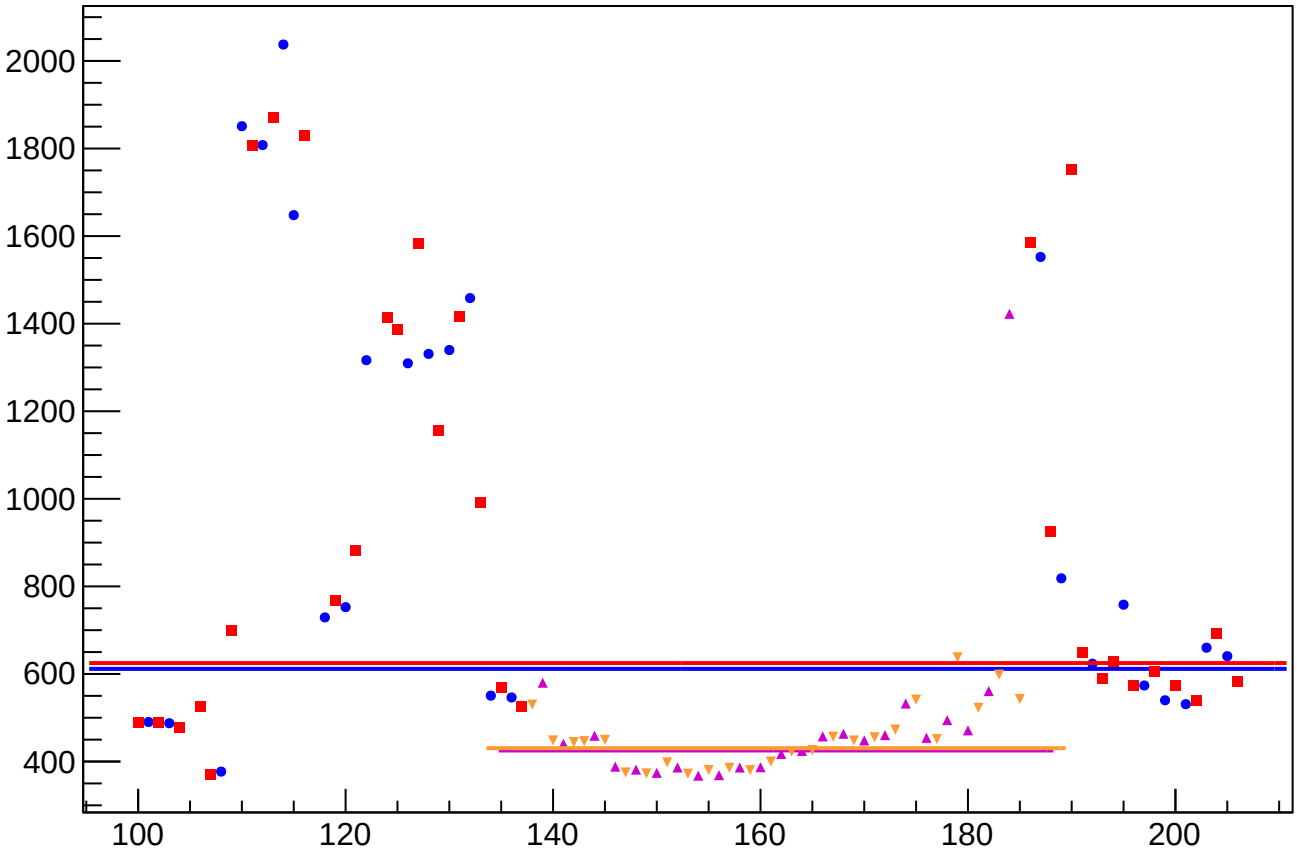
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.043+/-0.121 χ^2/NDF: 69.8/55

In: -0.146+/-0.088 χ^2/NDF:66.2/47

Out: -0.093+/-0.086 χ^2/NDF:75.1/55

All: -0.119+/-0.061 χ^2/NDF: 141.5/103



Right In: 611.663+/-0.124 χ^2/NDF: 3194490.3/24

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 624.864+/-0.118 χ^2/NDF: 3515173.3/30

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

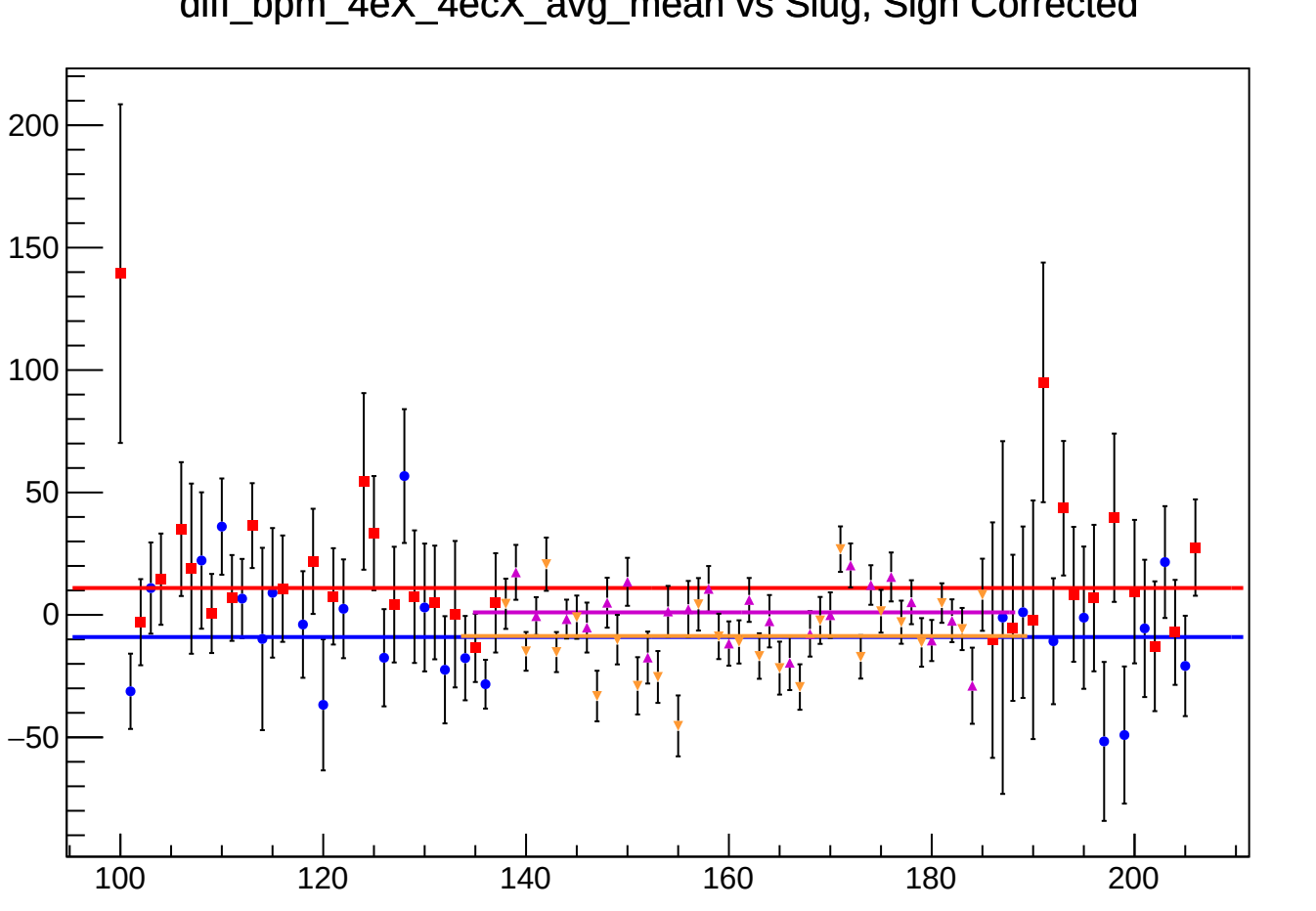
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 618.590+/-0.086 χ^2/NDF: 6715600.0/55

In: 472.074+/-0.062 χ^2/NDF:5600351.2/47

Out: 481.894+/-0.061 χ^2/NDF:6155837.2/55

All: 477.096+/-0.043 χ^2/NDF: 11768947.6/10



Right In: -9.041+/-4.253 χ^2/NDF: 29.2/24

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.984+/-4.209 χ^2/NDF: 21.6/30

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

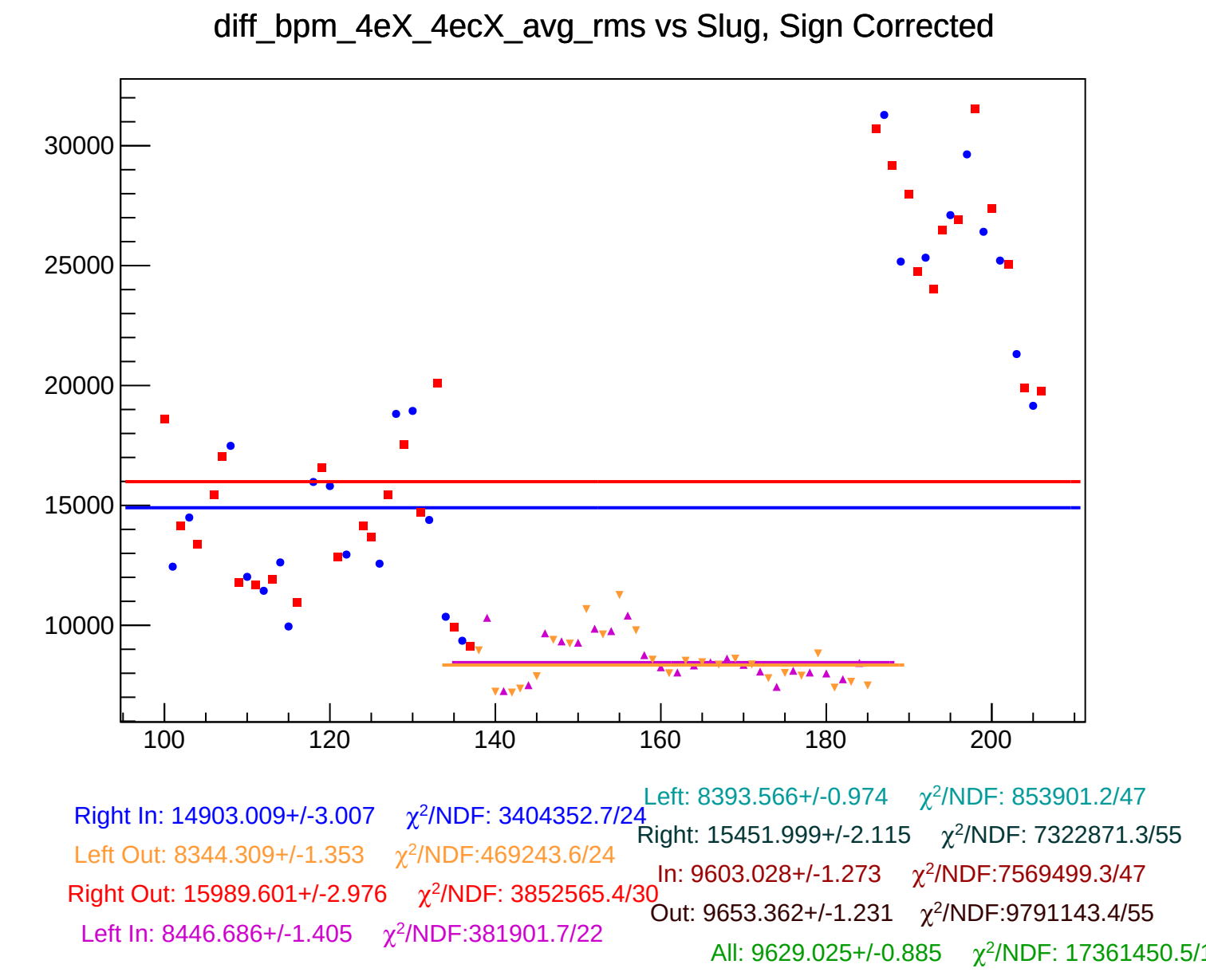
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

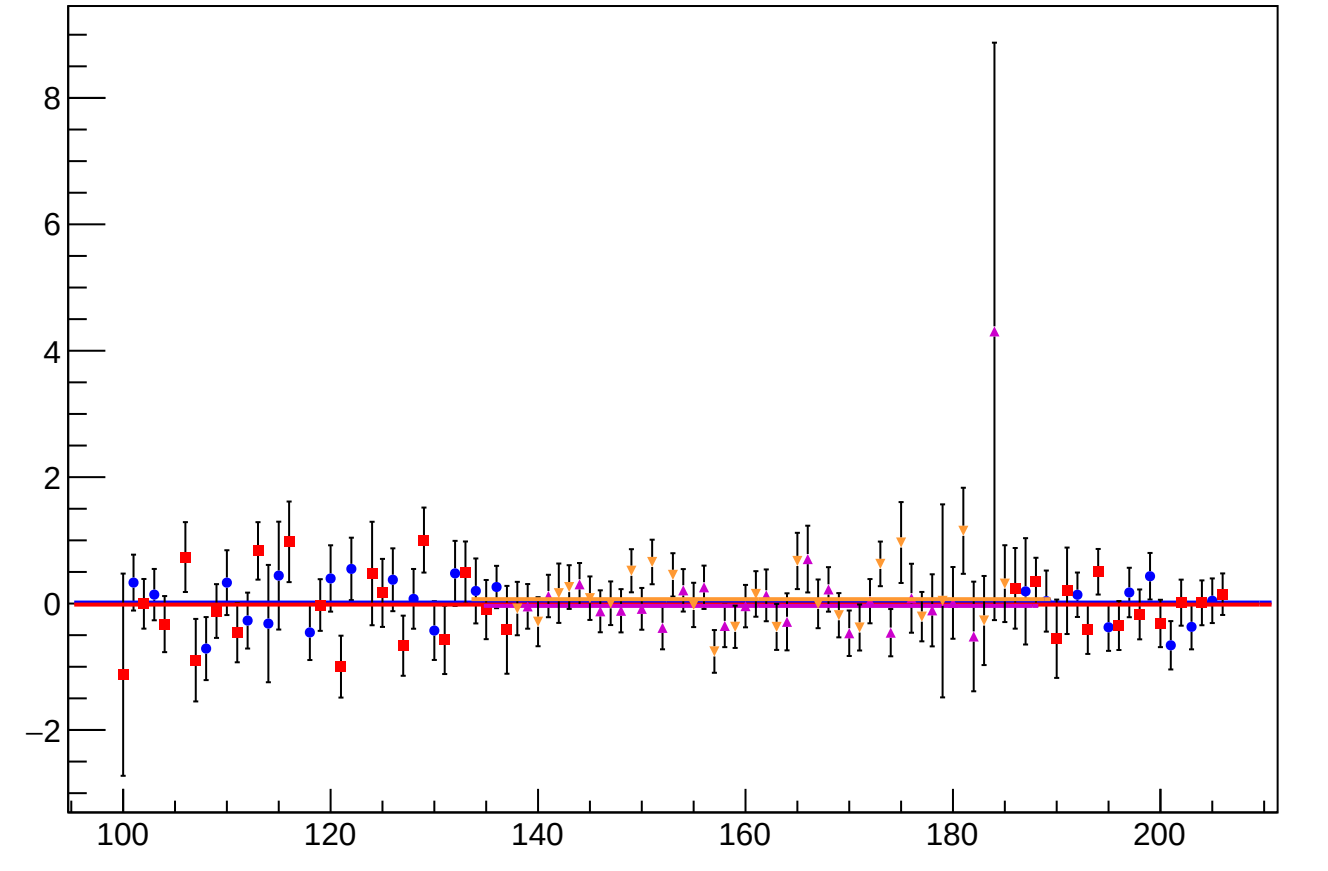
Right: 1.076+/-2.992 χ^2/NDF: 62.0/55

In: -0.776+/-1.800 χ^2/NDF:63.6/47

Out: -5.266+/-1.742 χ^2/NDF:101.2/55

All: -3.095+/-1.252 χ^2/NDF: 168.0/103


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14903.009+/-3.007 χ²/NDF: 3404352.7/24
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15989.601+/-2.976 χ²/NDF: 3852565.4/30
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15451.999+/-2.115 χ²/NDF: 7322871.3/55
In: 9603.028+/-1.273 χ²/NDF:7569499.3/47
Out: 9653.362+/-1.231 χ²/NDF:9791143.4/55
All: 9629.025+/-0.885 χ²/NDF: 17361450.5/1



Right In: 0.016+/-0.089 χ^2/NDF: 16.7/24

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.083 χ^2/NDF: 31.1/30

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

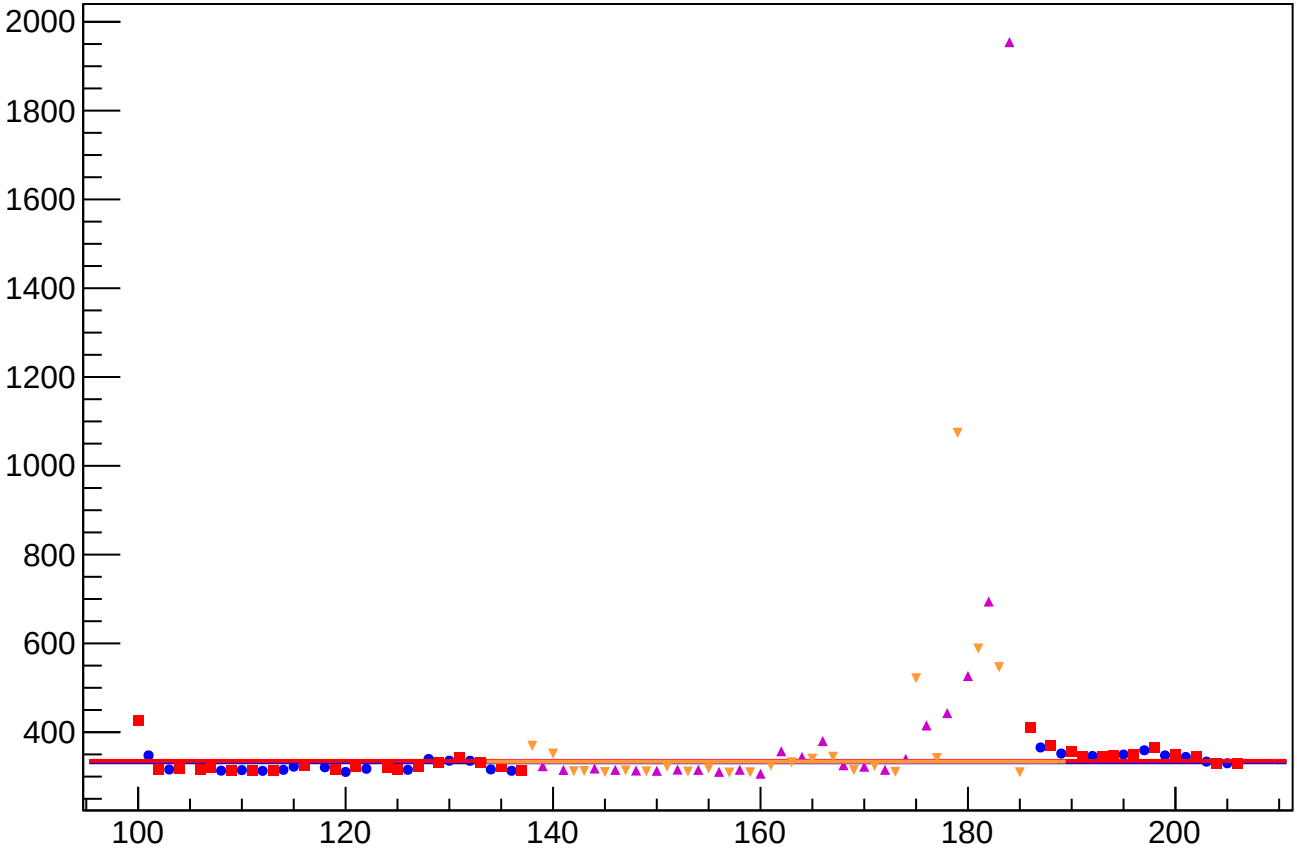
Right: -0.001+/-0.061 χ^2/NDF: 47.9/55

In: -0.013+/-0.060 χ^2/NDF:28.6/47

Out: 0.029+/-0.057 χ^2/NDF:59.8/55

All: 0.009+/-0.041 χ^2/NDF: 88.7/103

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.322+/-0.063 χ^2/NDF: 62790.3/24

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.349+/-0.059 χ^2/NDF: 116206.8/30

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

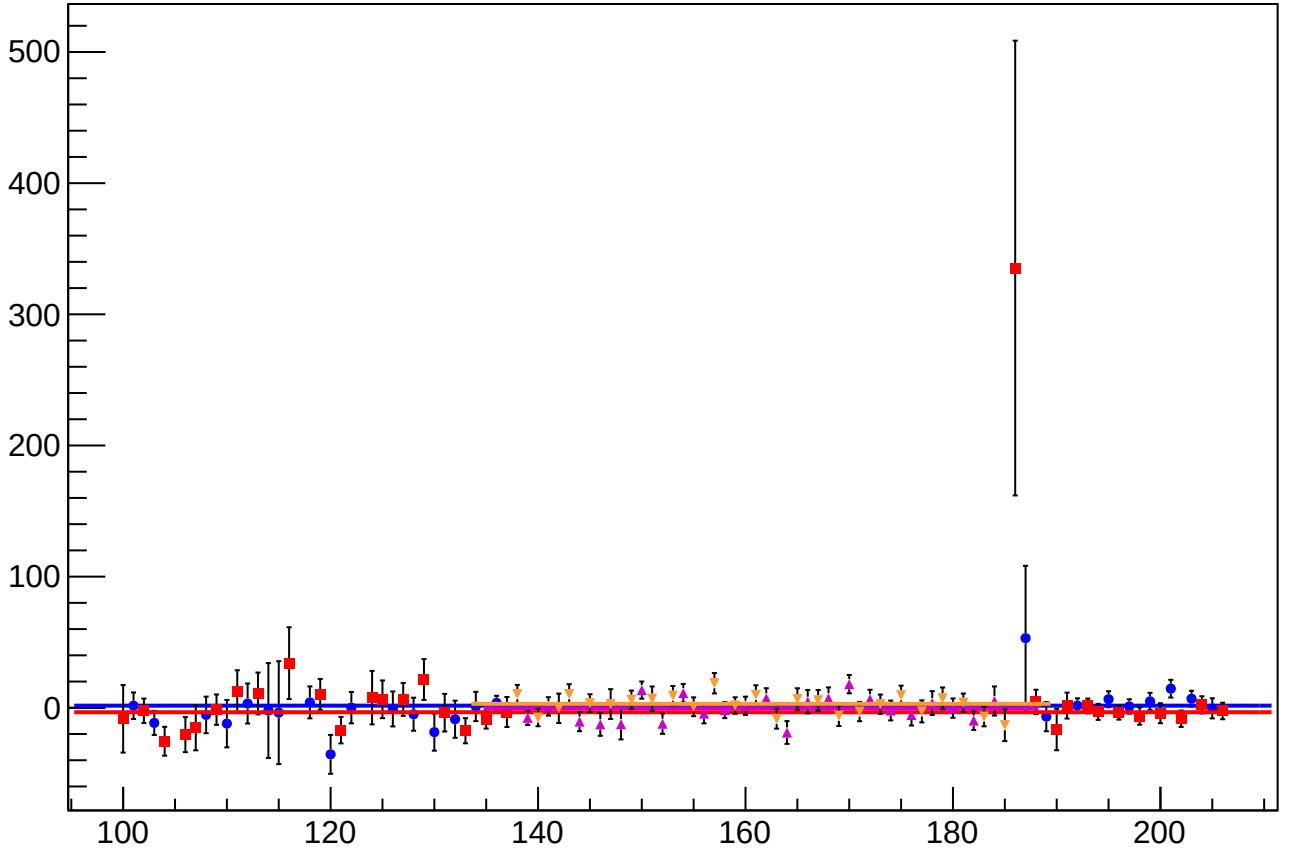
Right: 333.940+/-0.043 χ^2/NDF: 180240.7/55

In: 333.227+/-0.042 χ^2/NDF:1114155.3/47

Out: 334.530+/-0.040 χ^2/NDF:1333837.9/55

All: 333.907+/-0.029 χ^2/NDF: 2448489.0/103

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 1.620+/-1.800 χ^2/NDF: 19.1/24

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.390+/-1.670 χ^2/NDF: 27.5/30

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

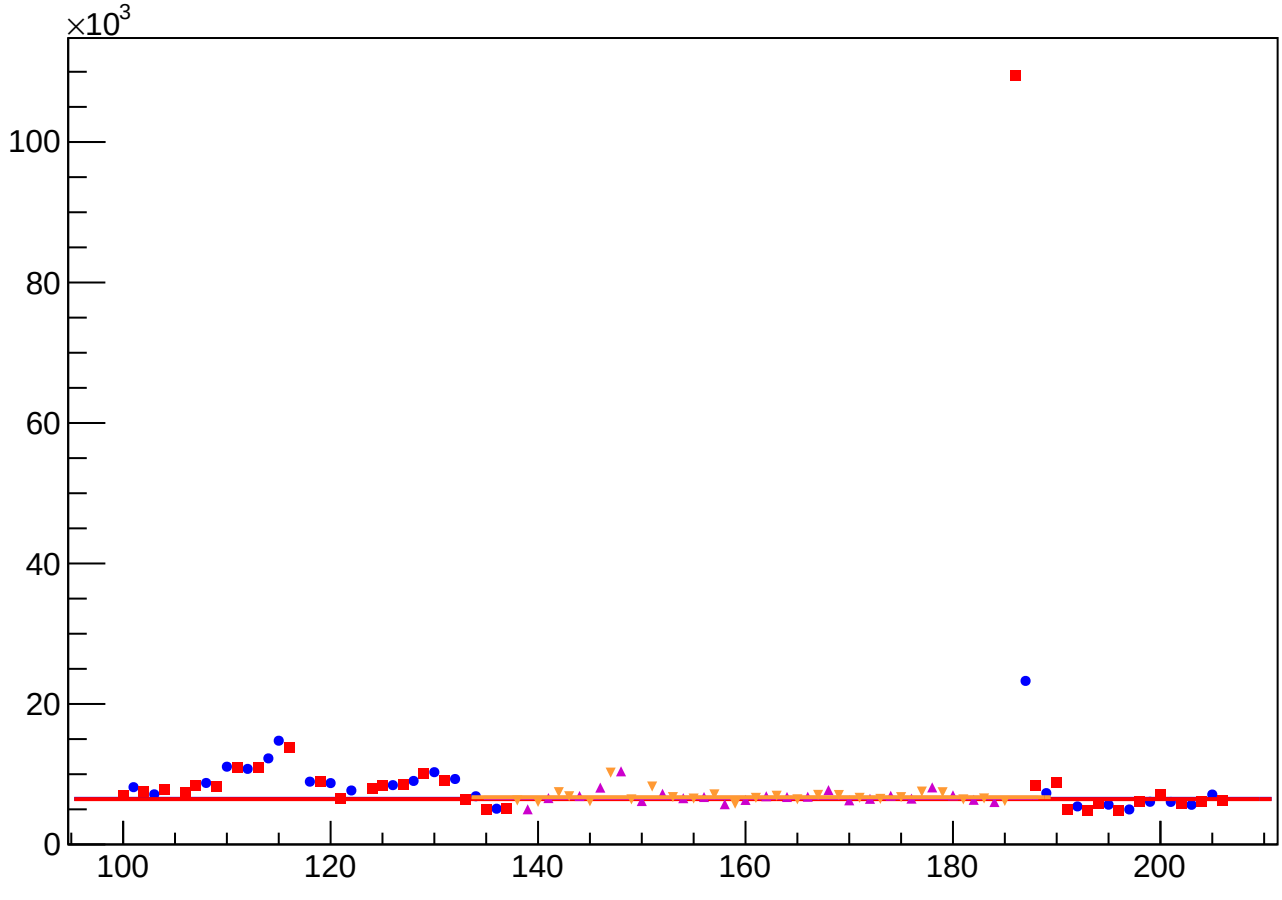
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.072+/-1.224 χ^2/NDF: 50.8/55

In: 0.500+/-1.182 χ^2/NDF:53.6/47

Out: 0.072+/-1.133 χ^2/NDF:55.8/55

All: 0.277+/-0.818 χ^2/NDF: 109.5/103



Right In: 6493.779+/-1.272 χ^2/NDF: 1700525.5/24

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6453.257+/-1.181 χ^2/NDF: 2371629.8/30

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

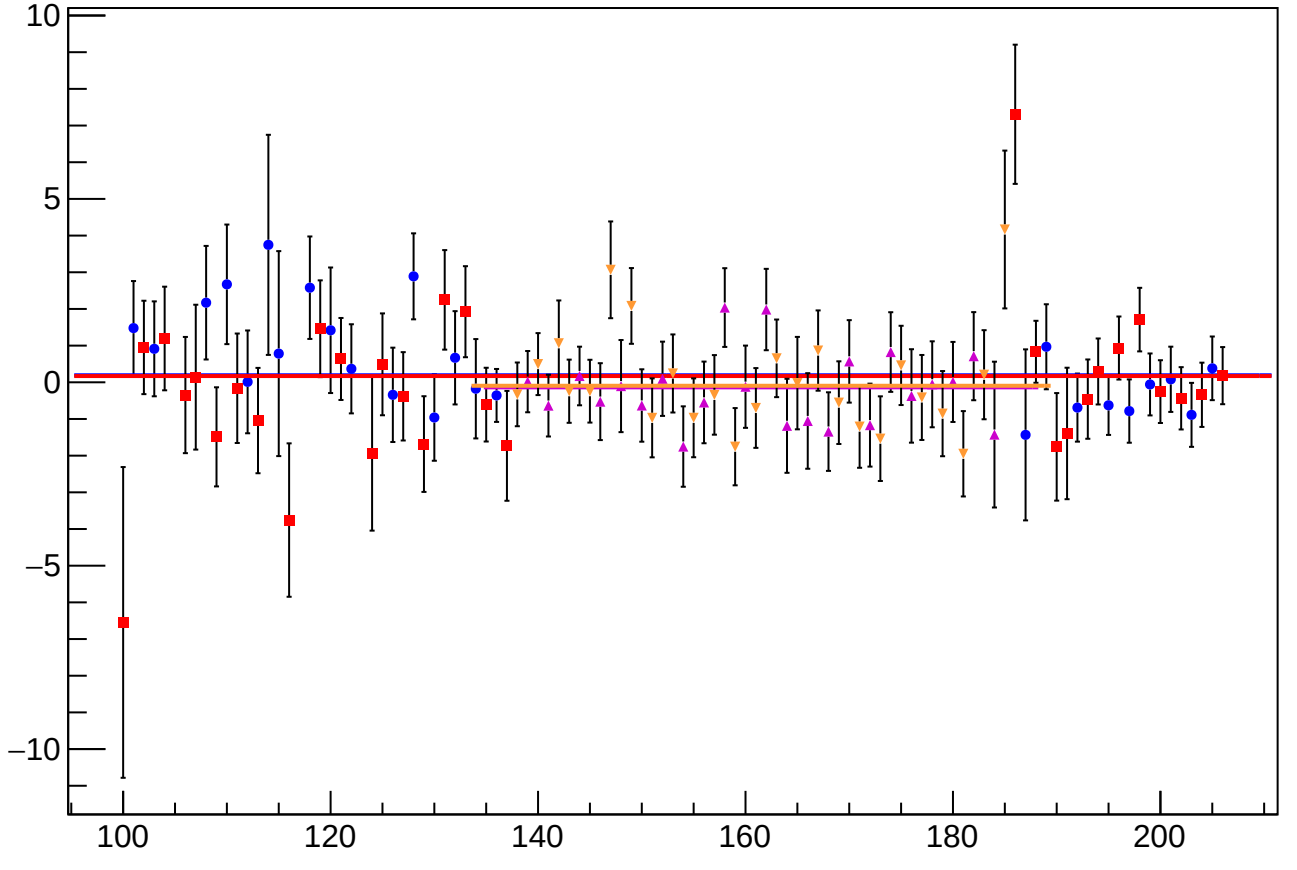
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6472.006+/-0.866 χ^2/NDF: 4072700.3/55

In: 6572.747+/-0.836 χ^2/NDF:2336792.5/47

Out: 6598.880+/-0.801 χ^2/NDF:2803116.9/55

All: 6586.373+/-0.578 χ^2/NDF: 5140418.8/10



Right In: 0.191+/-0.225 χ^2/NDF: 23.2/24

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.170+/-0.211 χ^2/NDF: 42.9/30

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

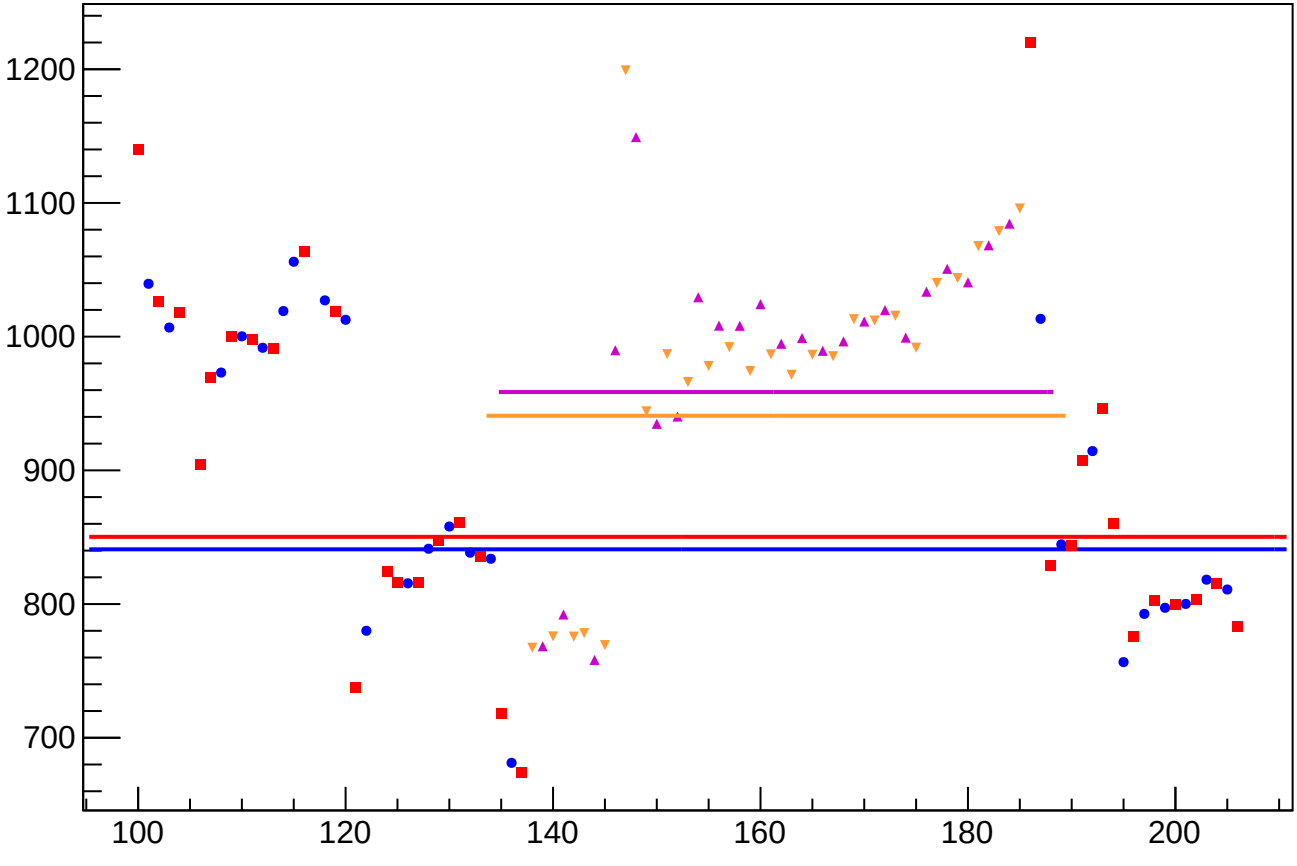
Right: 0.180+/-0.154 χ^2/NDF: 66.2/55

In: 0.027+/-0.159 χ^2/NDF:40.8/47

Out: 0.041+/-0.151 χ^2/NDF:71.1/55

All: 0.034+/-0.109 χ^2/NDF: 111.8/103

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 840.945+/-0.159 χ^2/NDF: 381343.0/24

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 850.281+/-0.149 χ^2/NDF: 435360.4/30

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

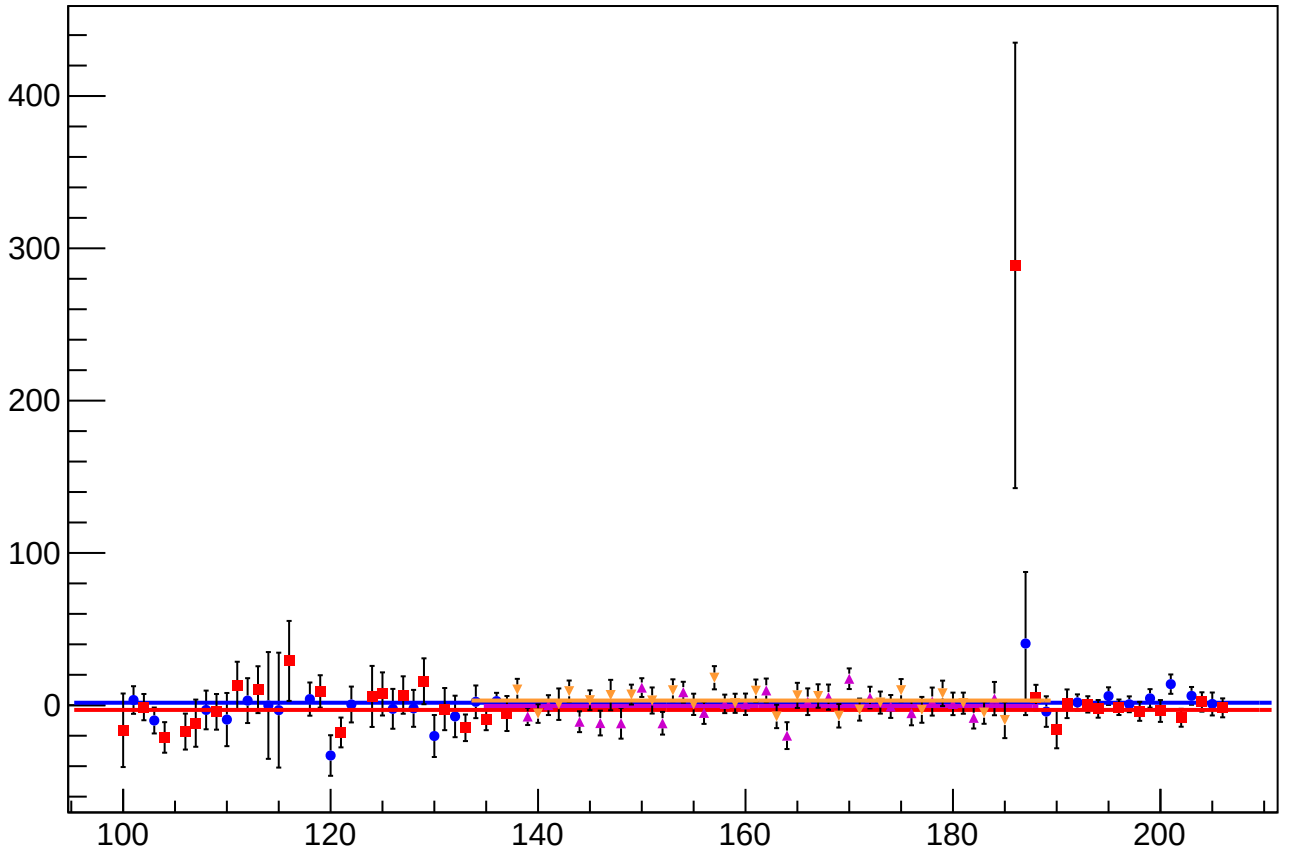
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 845.924+/-0.109 χ^2/NDF: 818533.6/55

In: 899.769+/-0.113 χ^2/NDF:1110638.8/47

Out: 894.594+/-0.107 χ^2/NDF:1184729.8/55

All: 897.036+/-0.077 χ^2/NDF: 2296482.5/103



Right In: 1.657+/-1.713 χ^2/NDF: 18.6/24

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.061+/-1.585 χ^2/NDF: 26.0/30

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

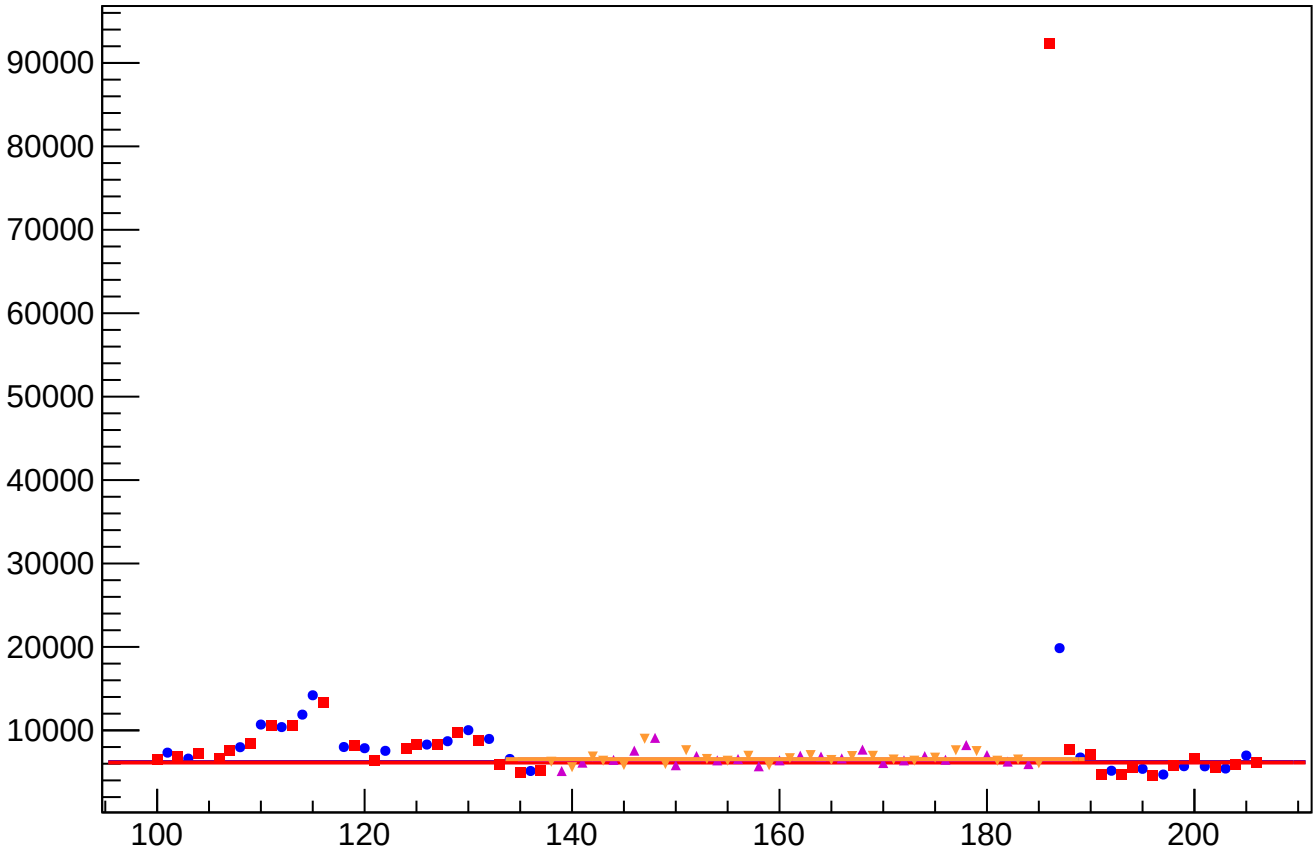
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -0.885+/-1.164 χ^2/NDF: 48.8/55

In: 0.450+/-1.143 χ^2/NDF:51.5/47

Out: 0.189+/-1.090 χ^2/NDF:52.6/55

All: 0.313+/-0.789 χ^2/NDF: 104.2/103



Right In: 6198.789+/-1.212 χ^2/NDF: 1617611.0/24

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6145.414+/-1.121 χ^2/NDF: 2297245.9/30

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

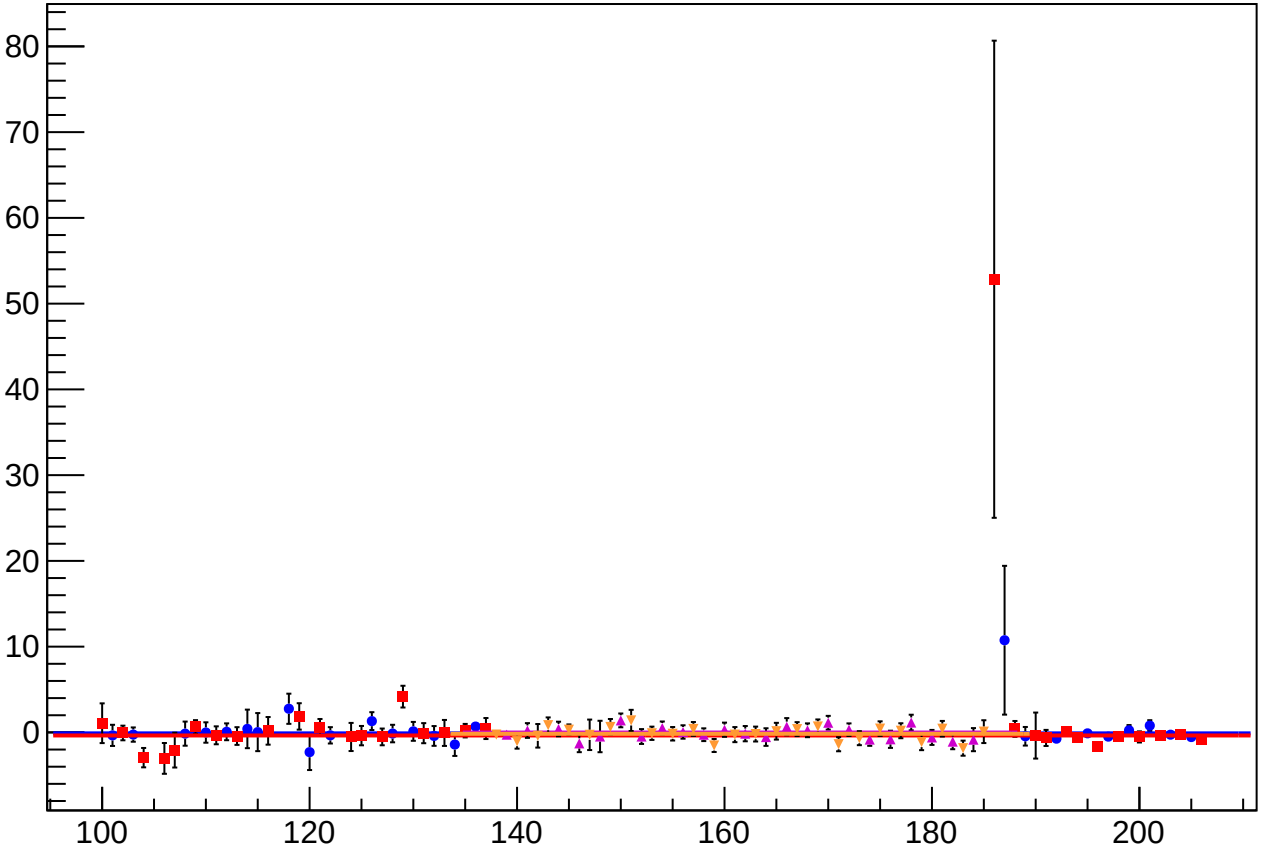
Right: 6170.032+/-0.823 χ^2/NDF: 3915902.6/55

In: 6368.711+/-0.808 χ^2/NDF:2168560.0/47

Out: 6358.276+/-0.771 χ^2/NDF:2731664.4/55

All: 6363.243+/-0.558 χ^2/NDF: 4900311.7/10

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.113+/-0.160 χ^2/NDF: 15.7/24

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.358+/-0.149 χ^2/NDF: 39.1/30

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

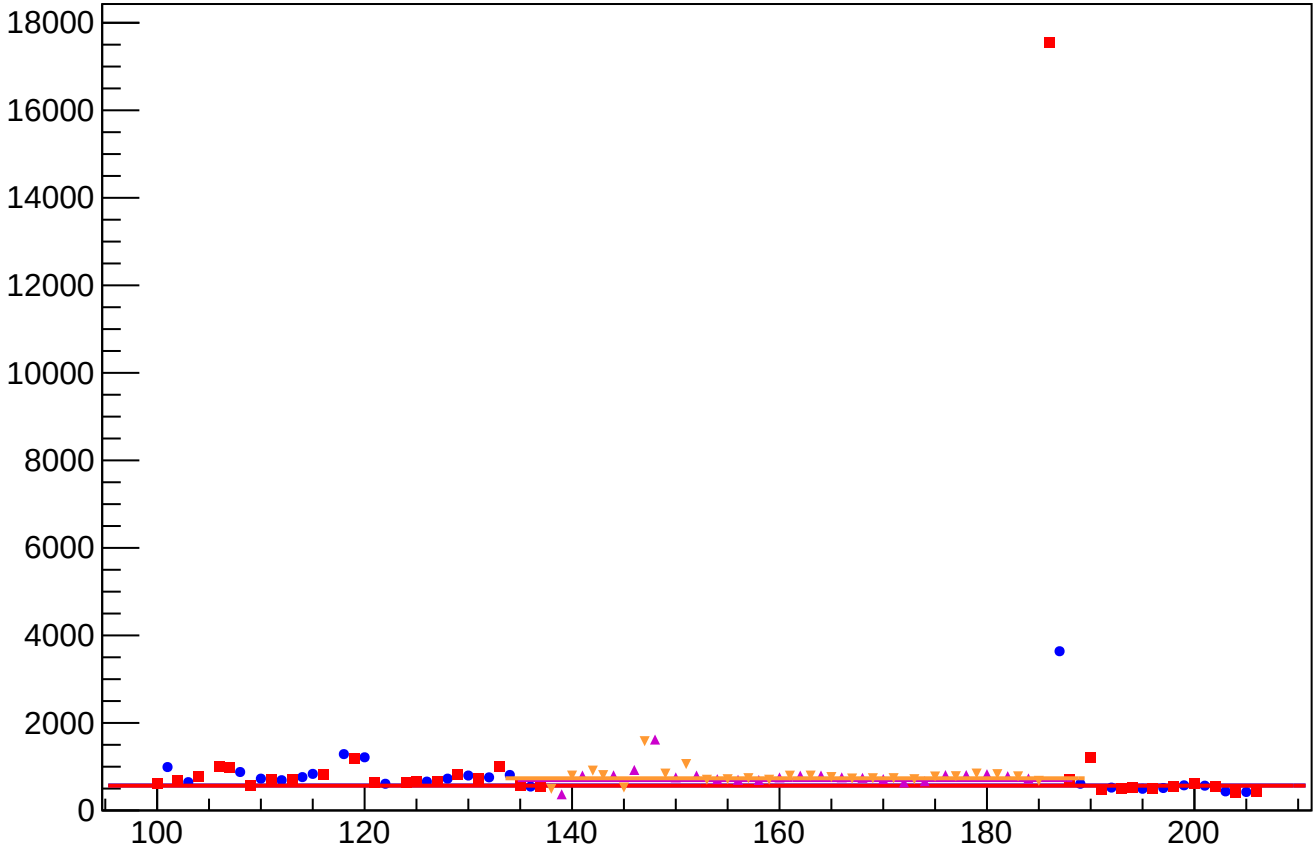
Right: -0.244+/-0.109 χ^2/NDF: 56.1/55

In: -0.068+/-0.116 χ^2/NDF:31.1/47

Out: -0.274+/-0.112 χ^2/NDF:58.8/55

All: -0.175+/-0.081 χ^2/NDF: 91.6/103

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 571.398+/-0.113 χ^2/NDF: 1959751.2/24

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 566.134+/-0.105 χ^2/NDF: 2534529.5/30

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

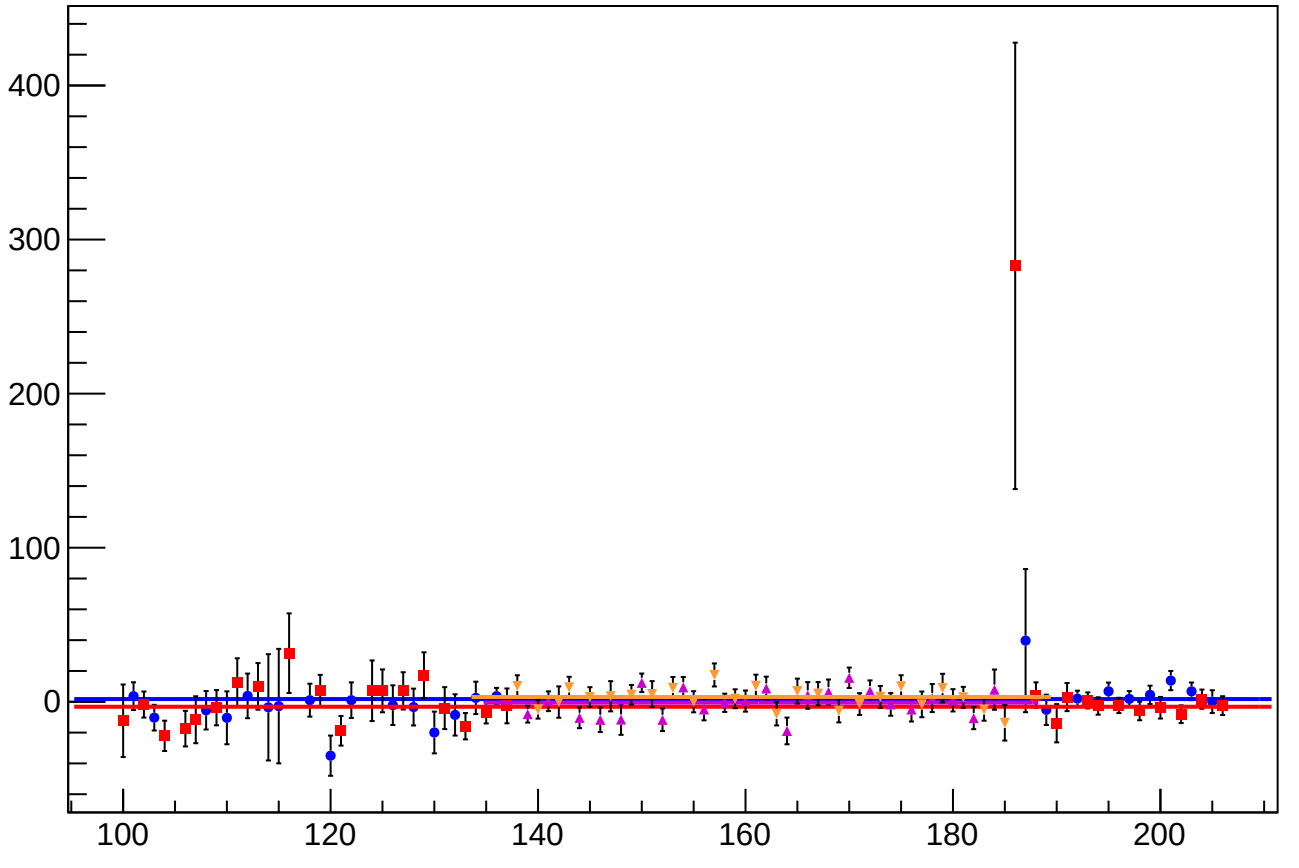
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 568.573+/-0.077 χ^2/NDF: 4495444.0/55

In: 629.347+/-0.082 χ^2/NDF:4741423.4/47

Out: 638.228+/-0.080 χ^2/NDF:4977226.7/55

All: 633.931+/-0.057 χ^2/NDF: 9724684.6/103



Right In: 1.757+/-1.680 χ^2/NDF: 21.2/24

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.226+/-1.553 χ^2/NDF: 27.1/30

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

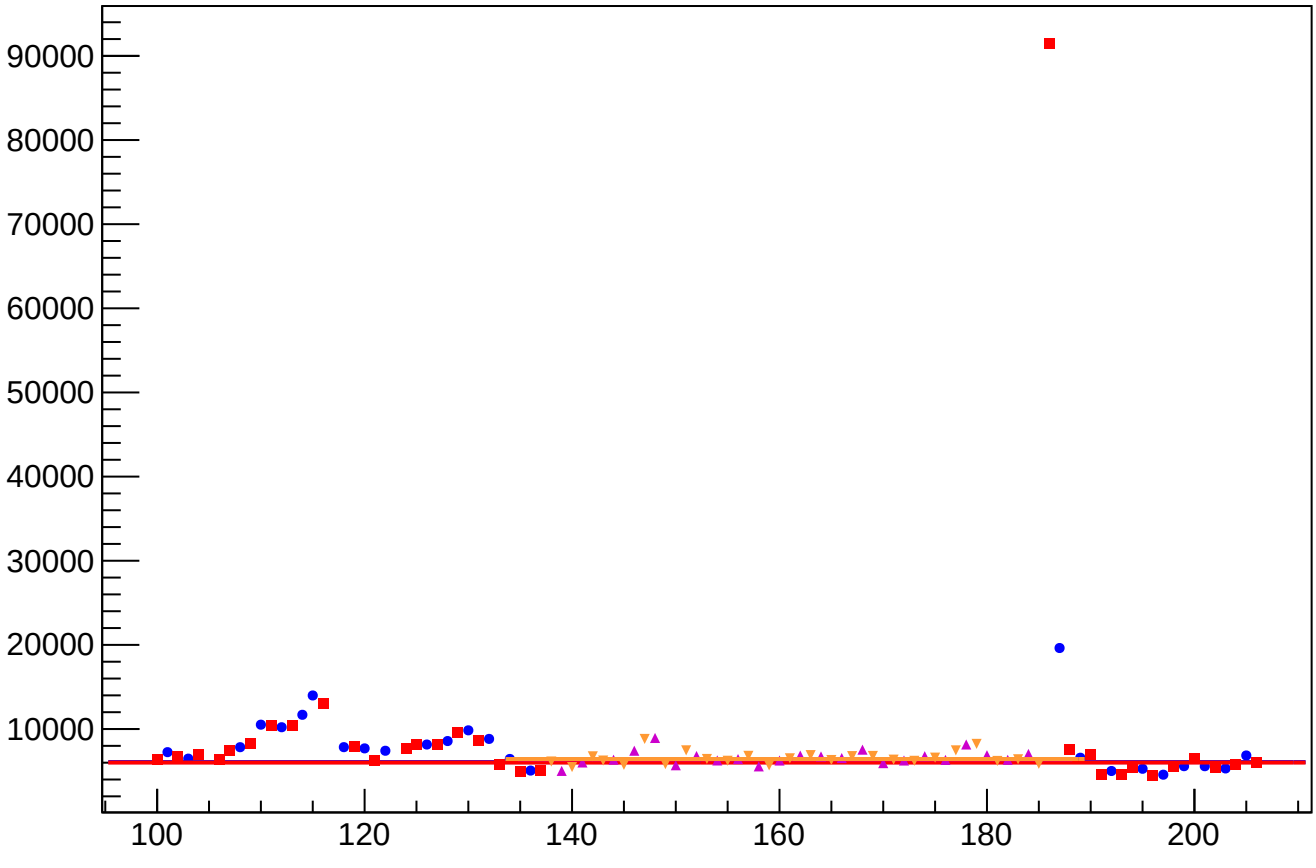
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.930+/-1.140 χ^2/NDF: 53.1/55

In: 0.483+/-1.124 χ^2/NDF:55.9/47

Out: 0.103+/-1.070 χ^2/NDF:54.5/55

All: 0.284+/-0.775 χ^2/NDF: 110.5/103



Right In: 6071.471+/-1.188 χ^2/NDF: 1645831.8/24

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6015.544+/-1.098 χ^2/NDF: 2318506.1/30

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

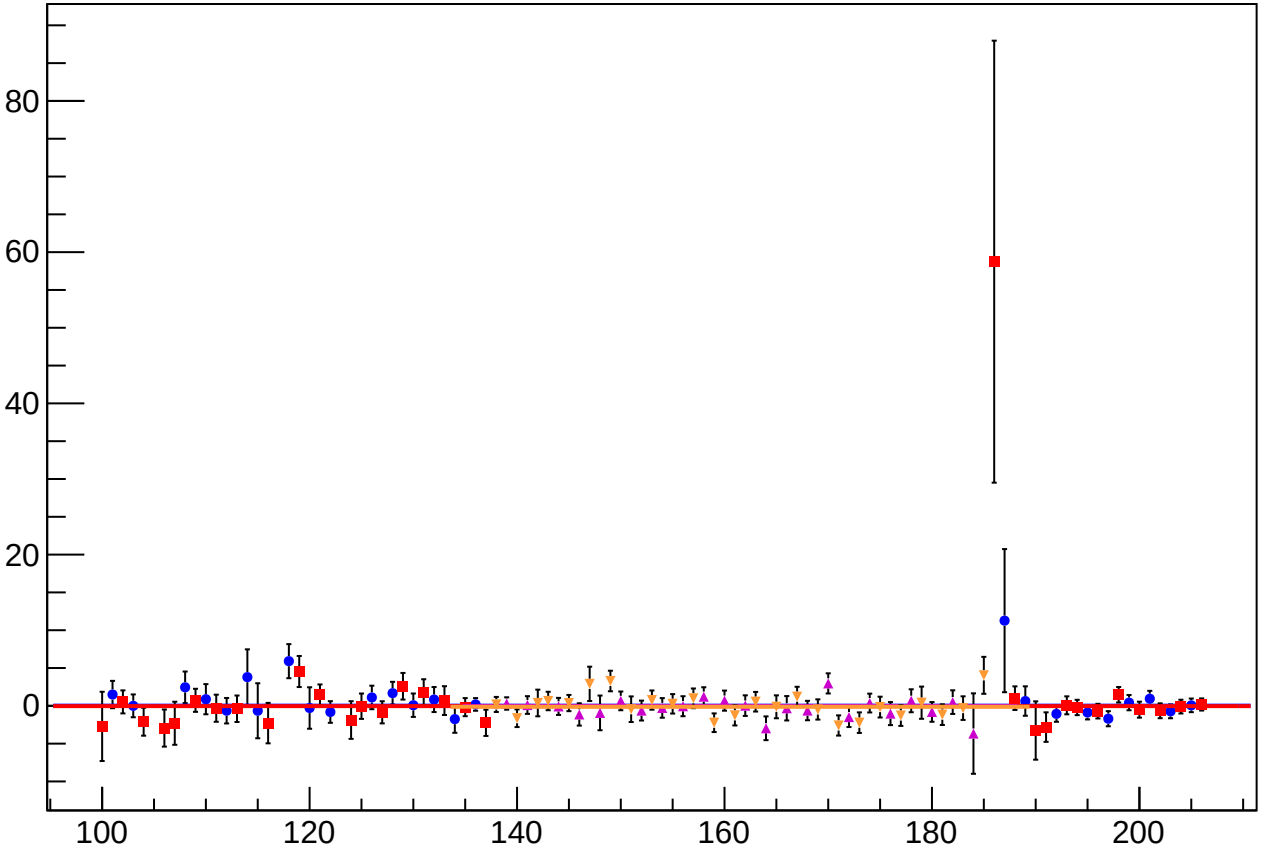
Right: 6041.320+/-0.806 χ^2/NDF: 3965533.1/55

In: 6255.800+/-0.795 χ^2/NDF:2214517.0/47

Out: 6236.110+/-0.757 χ^2/NDF:2812594.9/55

All: 6245.471+/-0.548 χ^2/NDF: 5027433.8/10

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.271 χ^2/NDF: 21.7/24

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.041+/-0.257 χ^2/NDF: 27.5/30

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

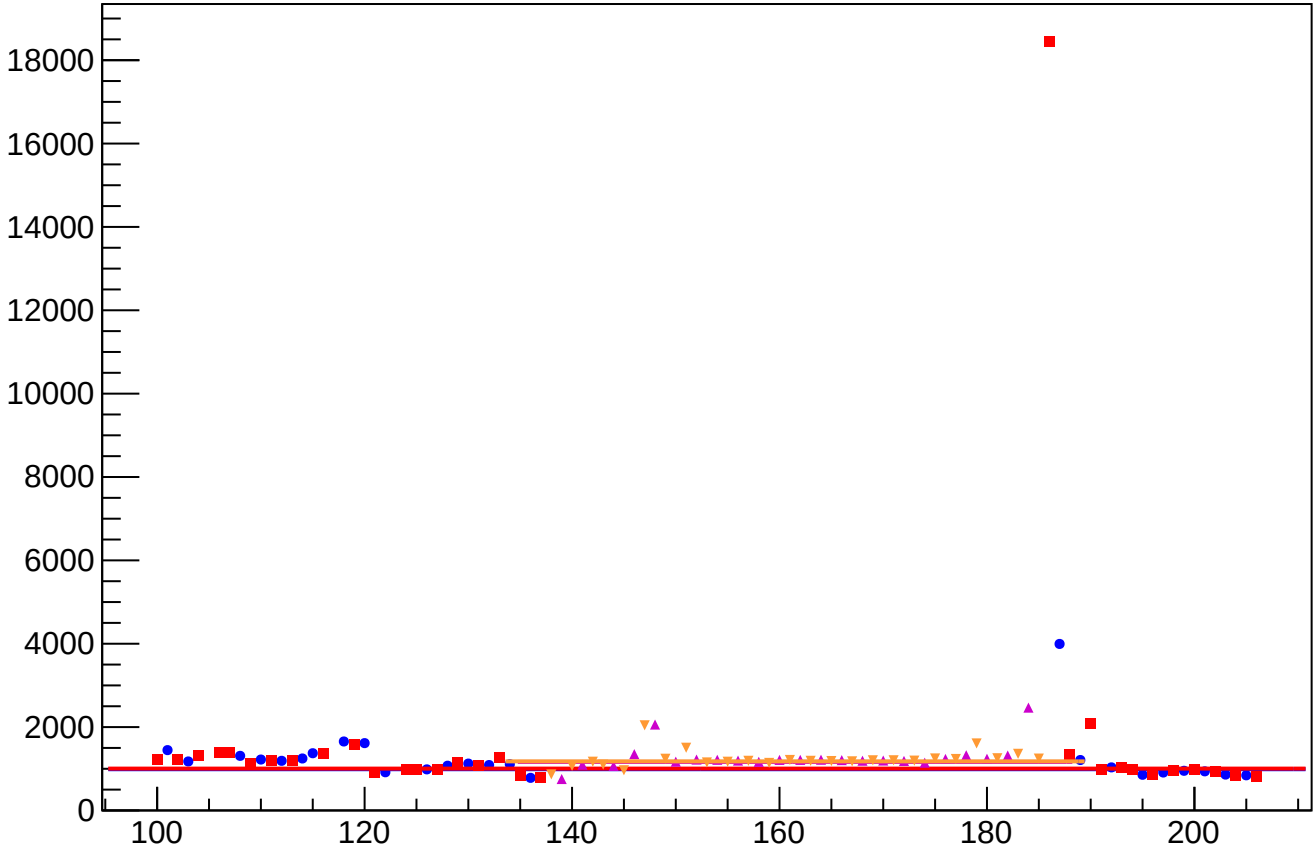
Right: -0.011+/-0.187 χ^2/NDF: 49.2/55

In: -0.003+/-0.194 χ^2/NDF:36.1/47

Out: -0.079+/-0.187 χ^2/NDF:54.5/55

All: -0.042+/-0.135 χ^2/NDF: 90.7/103

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 989.340+/-0.192 χ^2/NDF: 1123004.9/24

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1004.084+/-0.182 χ^2/NDF: 1792594.5/30

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

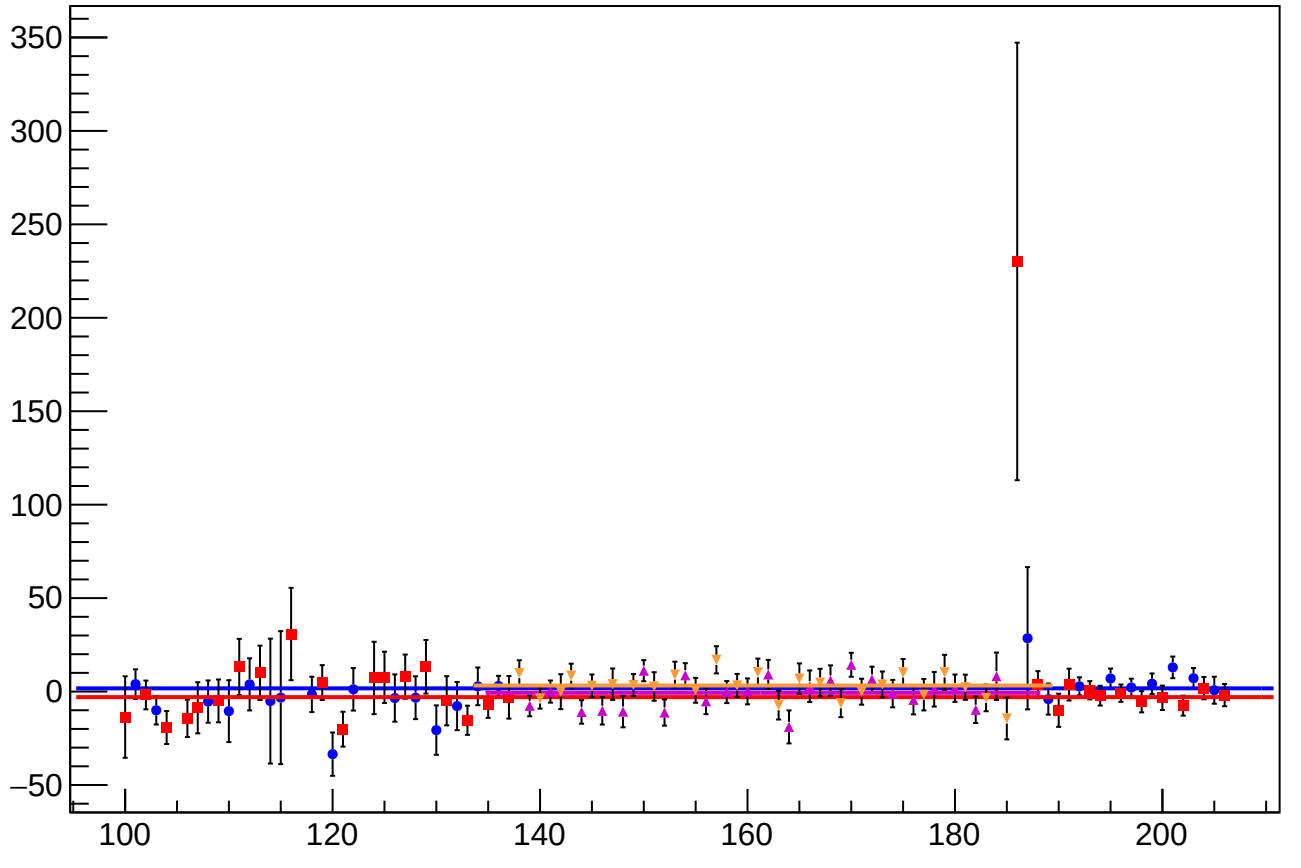
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 997.099+/-0.132 χ^2/NDF: 2918713.1/55

In: 1074.204+/-0.137 χ^2/NDF:2578228.4/47

Out: 1085.629+/-0.132 χ^2/NDF:3021575.5/55

All: 1080.125+/-0.095 χ^2/NDF: 5603388.4/10



Right In: 1.717+/-1.578 χ^2/NDF: 23.7/24

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -2.980+/-1.451 χ^2/NDF: 27.4/30

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

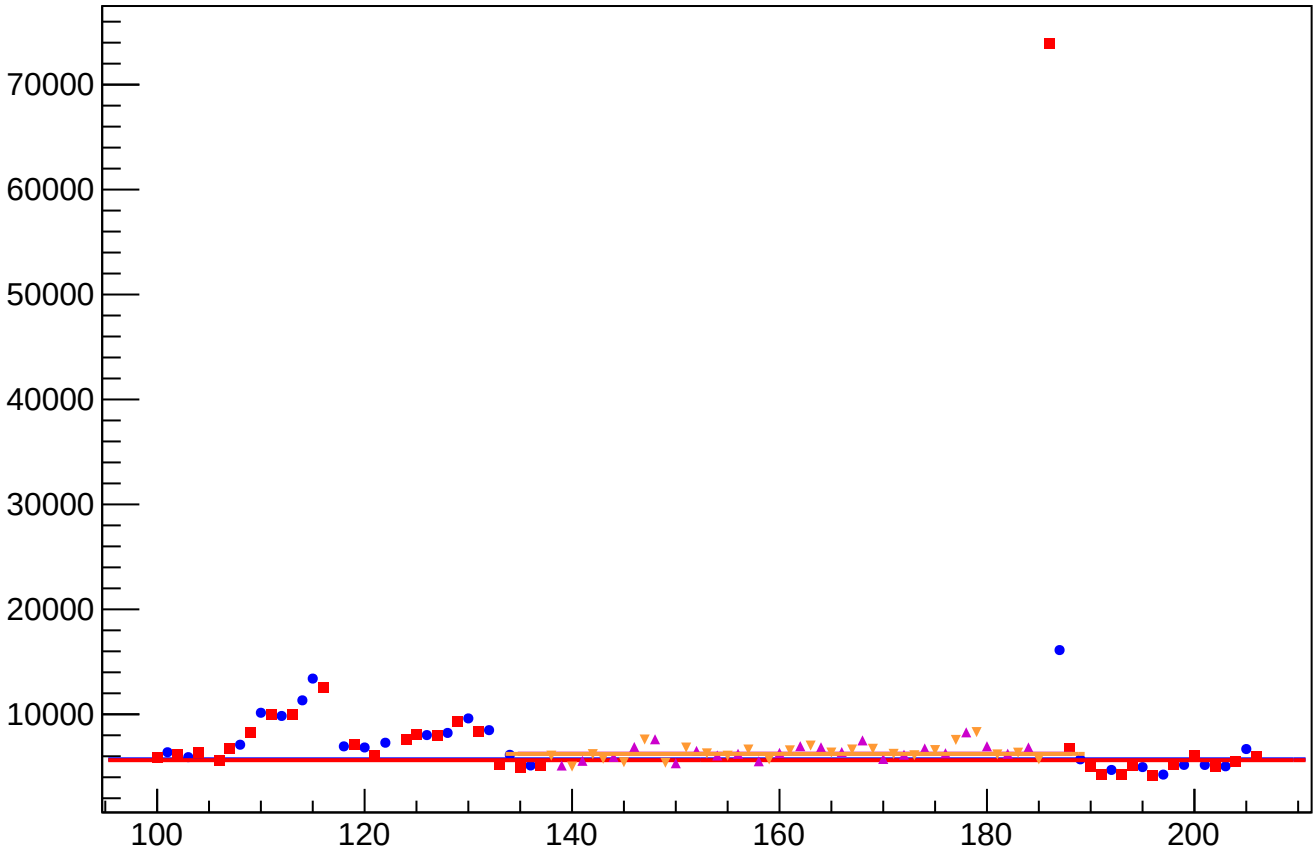
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.828+/-1.068 χ^2/NDF: 55.9/55

In: 0.443+/-1.077 χ^2/NDF:57.2/47

Out: 0.174+/-1.018 χ^2/NDF:54.6/55

All: 0.301+/-0.740 χ^2/NDF: 111.9/103



Right In: 5709.425+/-1.116 χ^2/NDF: 1634985.7/24

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5627.979+/-1.026 χ^2/NDF: 2339253.9/30

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

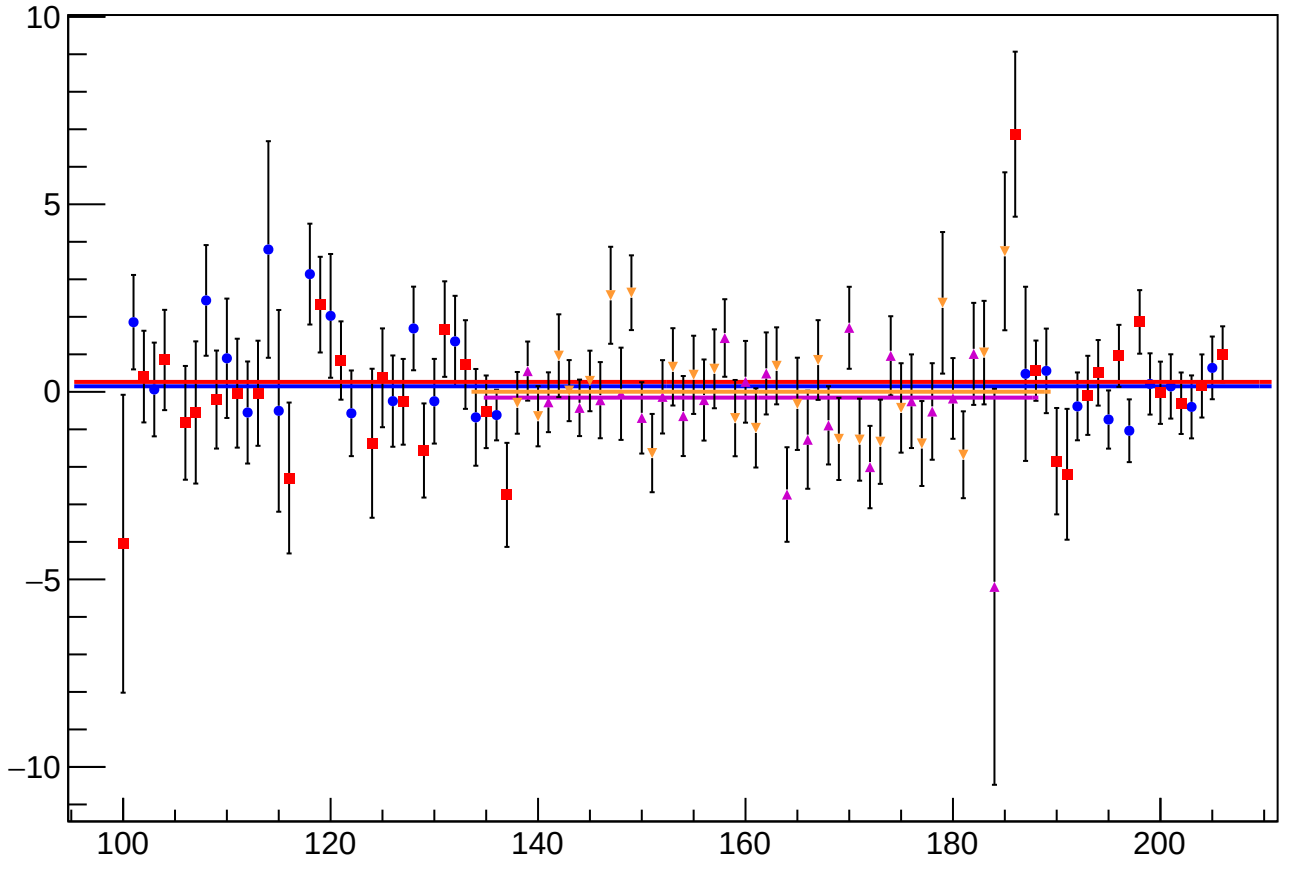
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5665.294+/-0.755 χ^2/NDF: 3977125.5/55

In: 5996.502+/-0.762 χ^2/NDF:2243835.3/47

Out: 5932.836+/-0.720 χ^2/NDF:2983994.3/55

All: 5962.888+/-0.523 χ^2/NDF: 5231518.7/10



Right In: 0.148+/-0.216 χ^2/NDF: 22.4/24

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.265+/-0.203 χ^2/NDF: 36.0/30

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

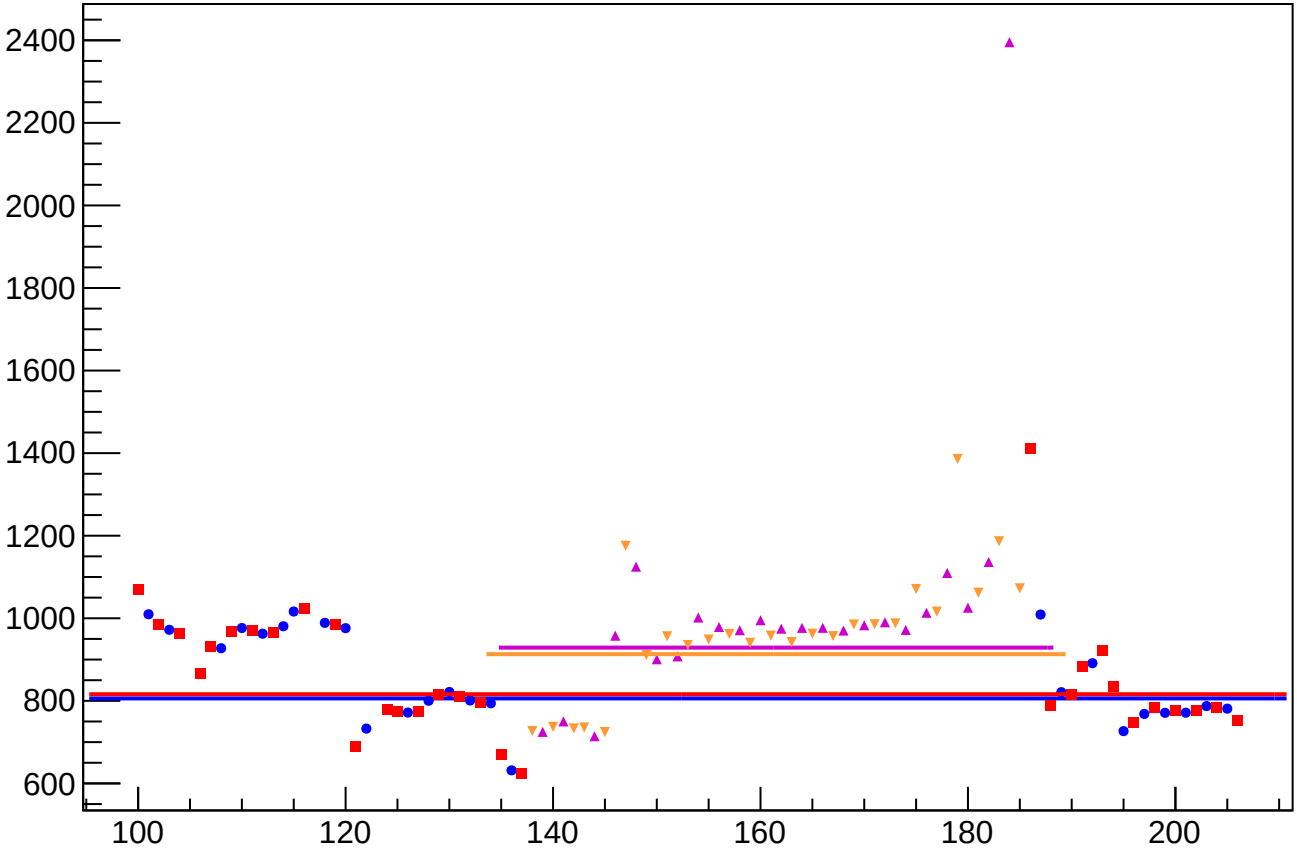
Right: 0.210+/-0.148 χ^2/NDF: 58.6/55

In: 0.000+/-0.155 χ^2/NDF:41.8/47

Out: 0.140+/-0.147 χ^2/NDF:68.5/55

All: 0.074+/-0.106 χ^2/NDF: 110.7/103

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 805.860+/-0.153 χ^2/NDF: 440583.7/24

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 816.061+/-0.143 χ^2/NDF: 545187.7/30

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

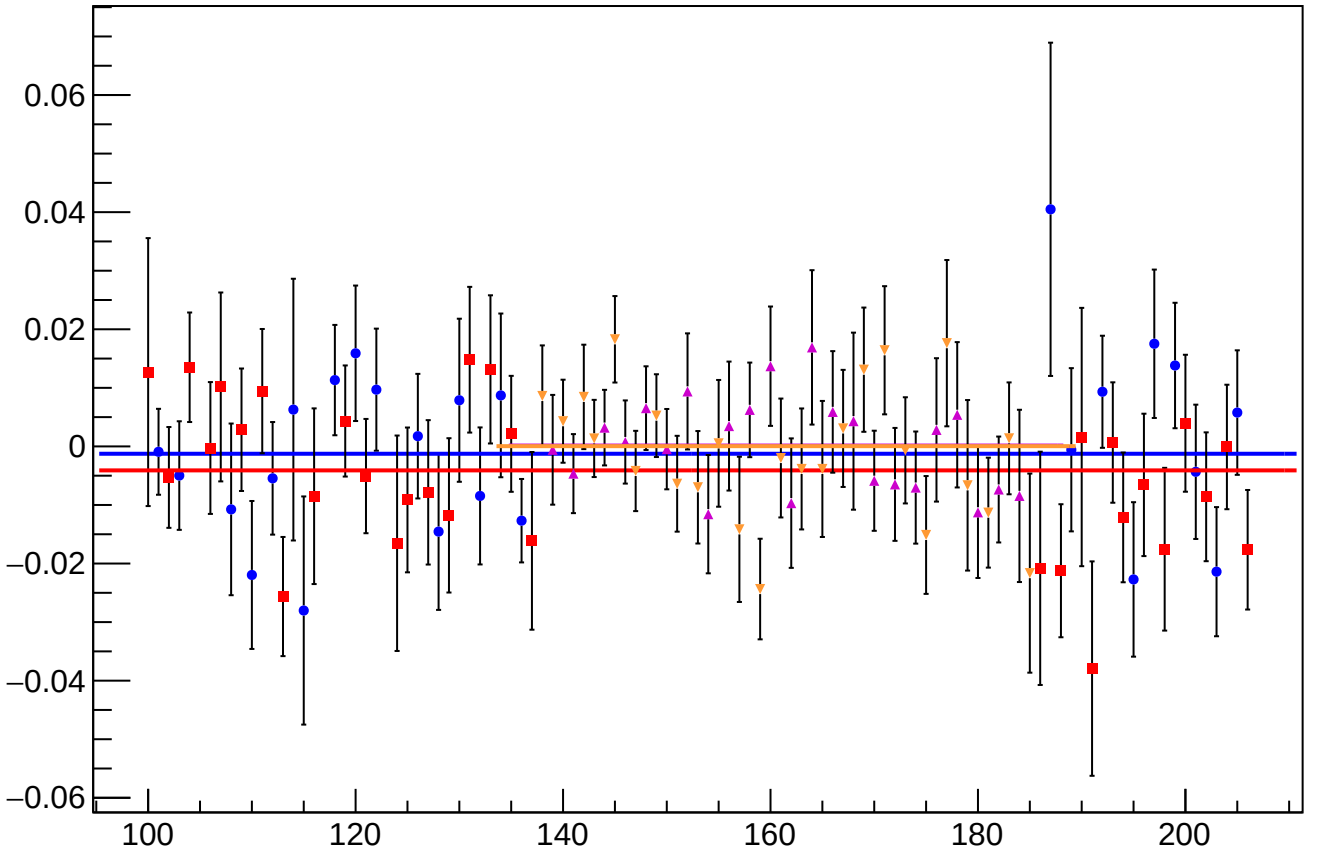
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 811.290+/-0.105 χ^2/NDF: 988136.3/55

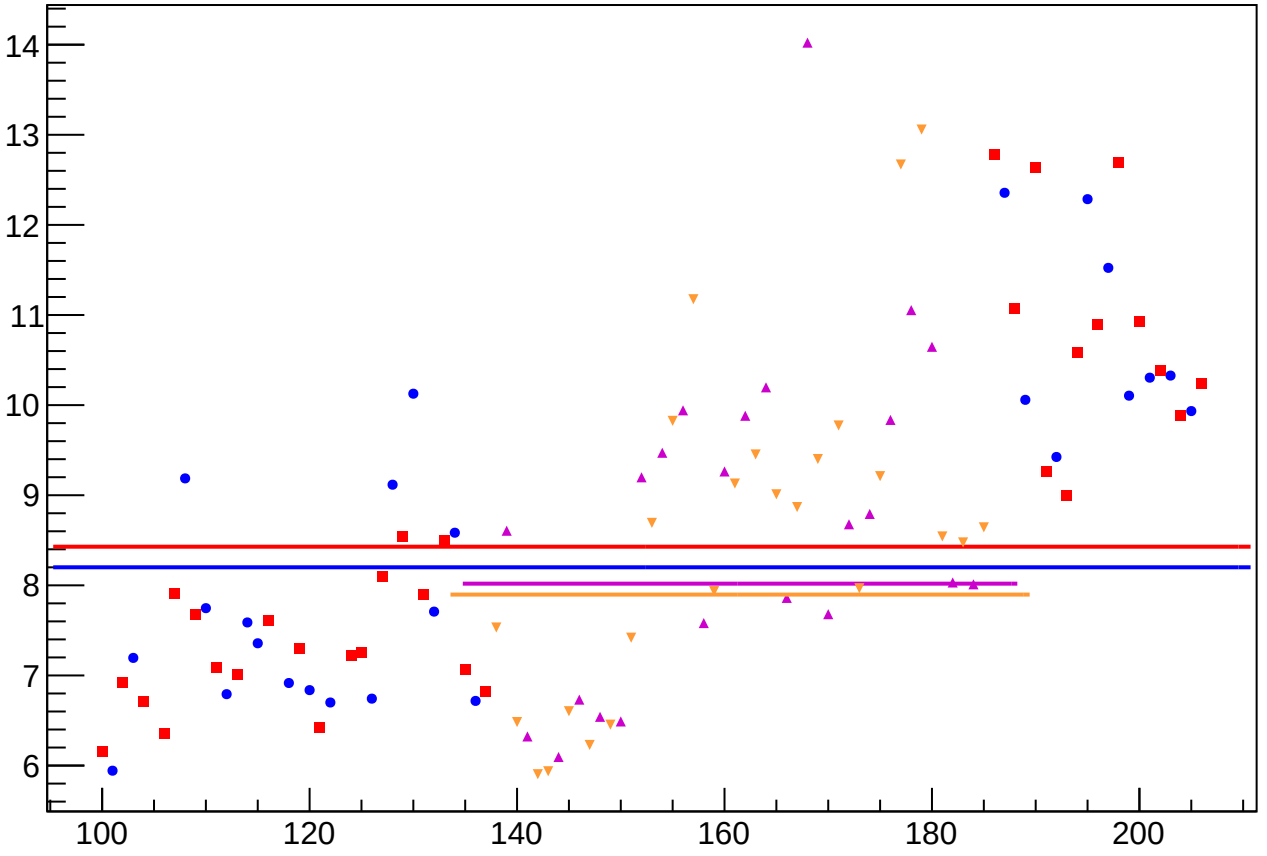
In: 866.080+/-0.109 χ^2/NDF:1526060.0/47

Out: 862.454+/-0.104 χ^2/NDF:1653053.5/55

All: 864.170+/-0.075 χ^2/NDF: 3179692.9/103


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 29.5/24
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.004+/-0.002 χ²/NDF: 29.4/30
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.003+/-0.002 χ²/NDF: 59.8/55
In: -0.000+/-0.001 χ²/NDF:42.6/47
Out: -0.002+/-0.001 χ²/NDF:62.7/55
All: -0.001+/-0.001 χ²/NDF: 105.7/103

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.200+/-0.002 χ^2/NDF: 1254625.7/24

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.429+/-0.002 χ^2/NDF: 1397161.5/30

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

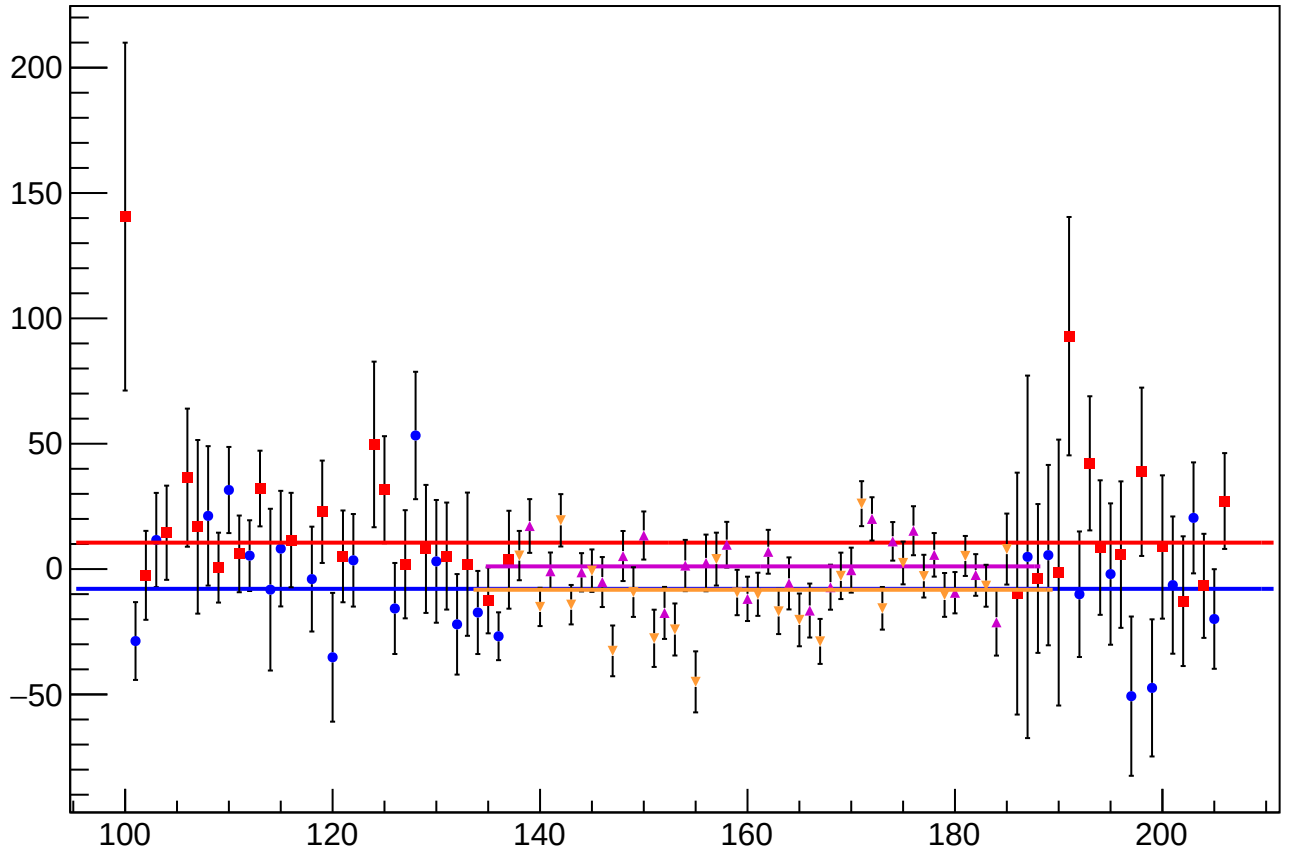
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.320+/-0.001 χ^2/NDF: 2662708.8/55

In: 8.095+/-0.001 χ^2/NDF:2717918.7/47

Out: 8.125+/-0.001 χ^2/NDF:3059187.7/55

All: 8.111+/-0.001 χ^2/NDF: 5777537.3/103



Right In: -7.882+/-4.026 χ^2/NDF: 29.2/24

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 10.539+/-3.953 χ^2/NDF: 21.9/30

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

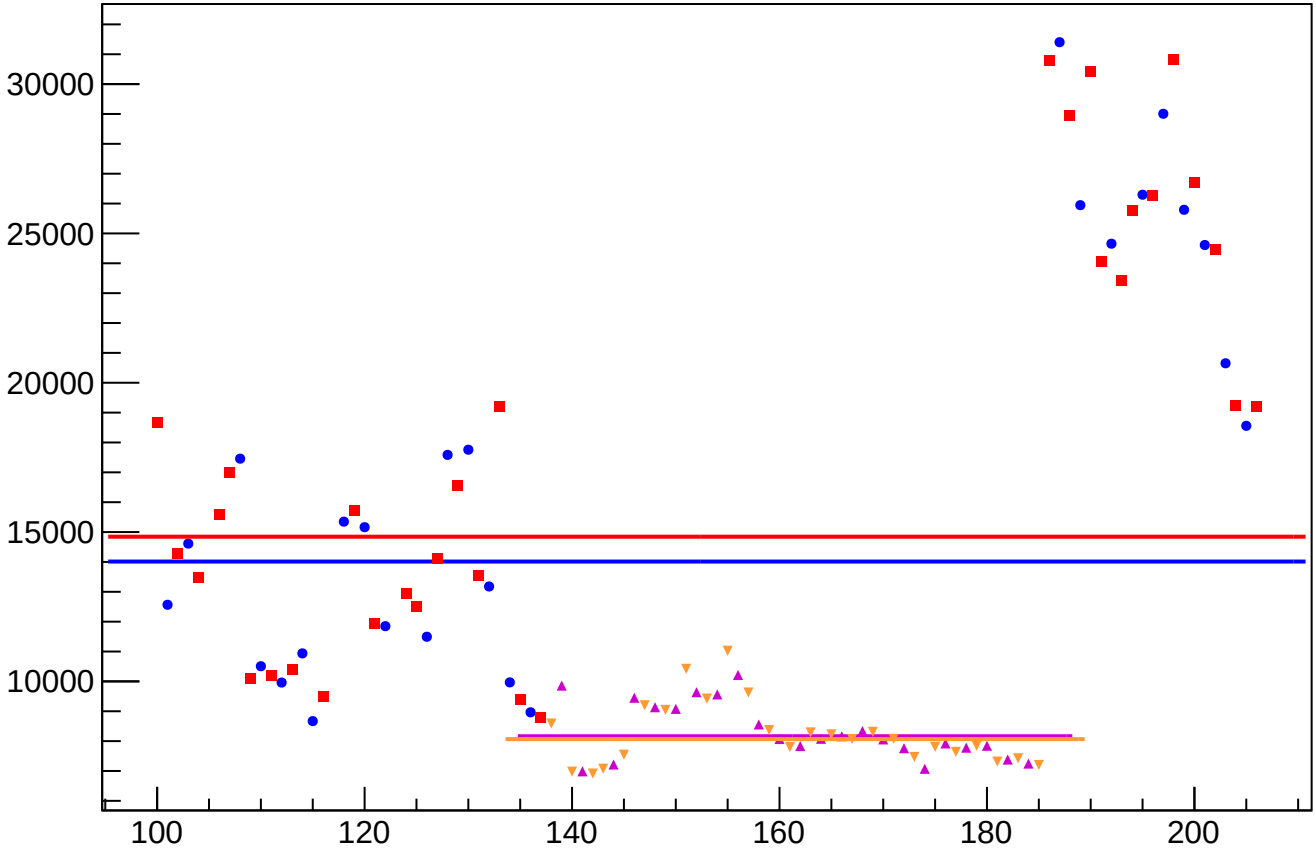
Right: 1.497+/-2.821 χ^2/NDF: 61.7/55

In: -0.588+/-1.734 χ^2/NDF:62.1/47

Out: -4.881+/-1.675 χ^2/NDF:102.6/55

All: -2.808+/-1.205 χ^2/NDF: 167.8/103

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 14013.190+/-2.847 χ^2/NDF: 3748797.7/24

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 14845.217+/-2.795 χ^2/NDF: 4493367.1/30

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

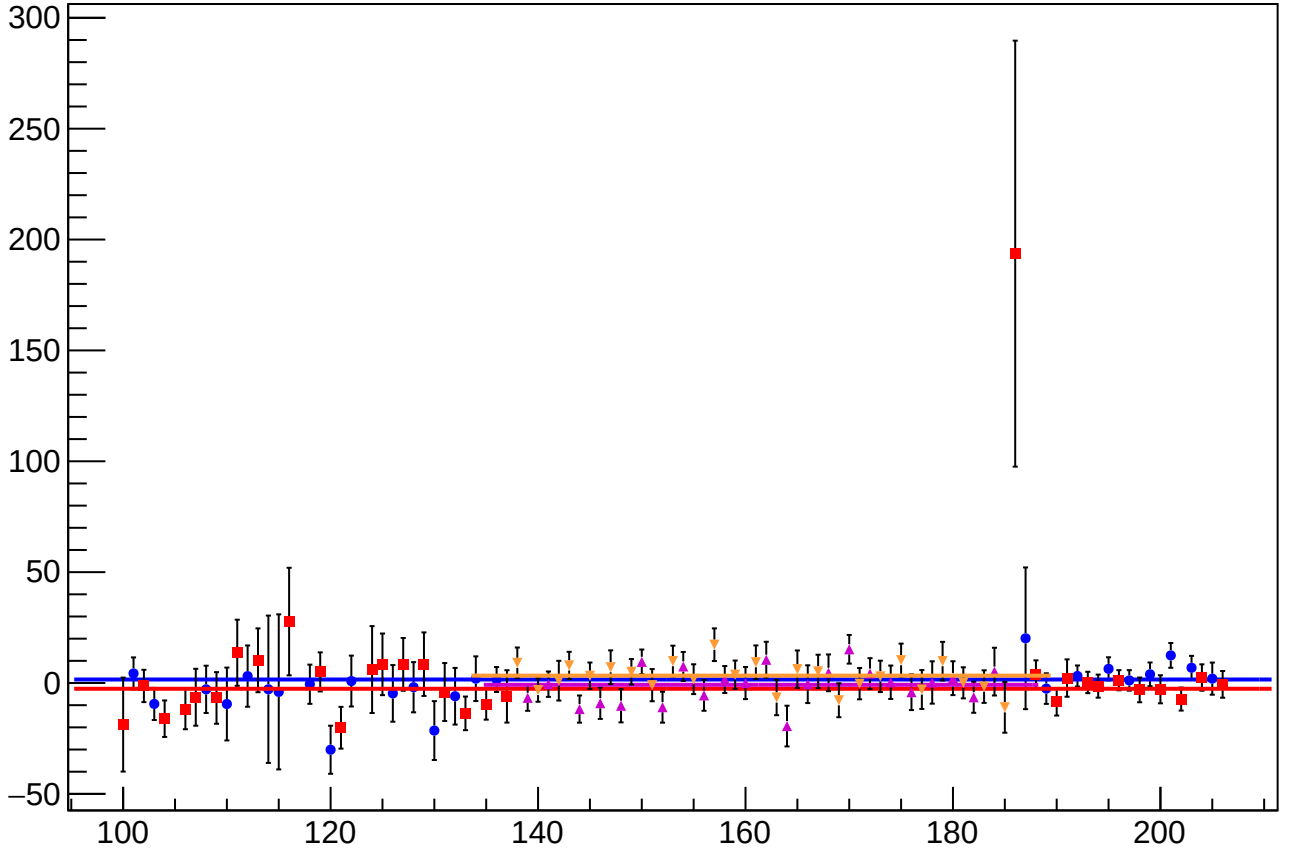
Right: 14436.799+/-1.995 χ^2/NDF: 8285654.0/55

In: 9248.132+/-1.226 χ^2/NDF:7620537.3/47

Out: 9283.903+/-1.185 χ^2/NDF:9815988.4/55

All: 9266.631+/-0.852 χ^2/NDF: 17436966.0/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.585+/-1.535 χ^2/NDF: 22.0/24

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.597+/-1.401 χ^2/NDF: 26.9/30

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

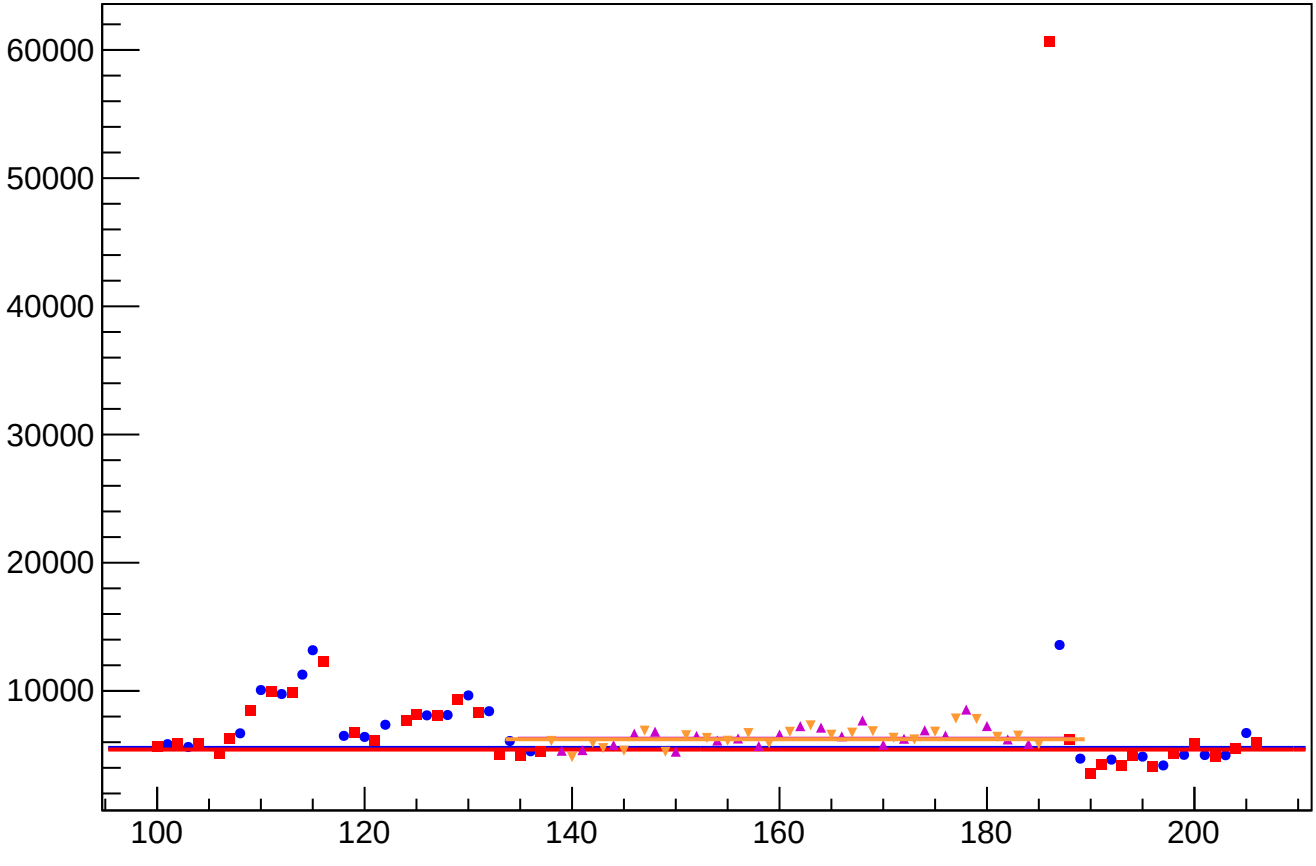
Right: -0.697+/-1.035 χ^2/NDF: 53.0/55

In: 0.350+/-1.065 χ^2/NDF:52.7/47

Out: 0.304+/-1.001 χ^2/NDF:52.6/55

All: 0.325+/-0.729 χ^2/NDF: 105.3/103

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5554.281+/-1.085 χ^2/NDF: 1637149.1/24

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5425.758+/-0.990 χ^2/NDF: 2496250.2/30

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

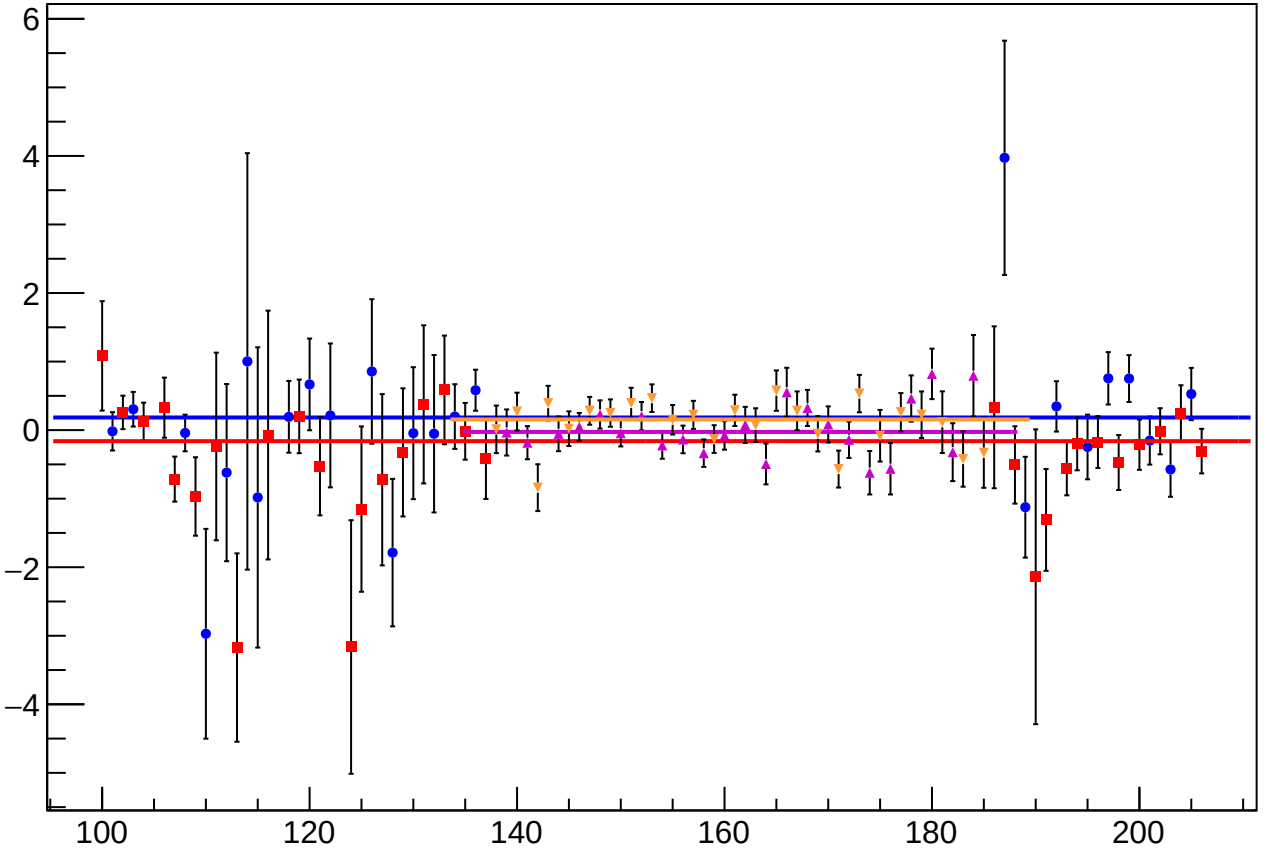
Right: 5484.150+/-0.732 χ^2/NDF: 4141050.9/55

In: 5925.937+/-0.753 χ^2/NDF:2367943.1/47

Out: 5819.824+/-0.708 χ^2/NDF:3352331.7/55

All: 5869.590+/-0.516 χ^2/NDF: 5730819.9/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.184+/-0.091 χ^2/NDF: 32.1/24

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.161+/-0.086 χ^2/NDF: 29.9/30

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

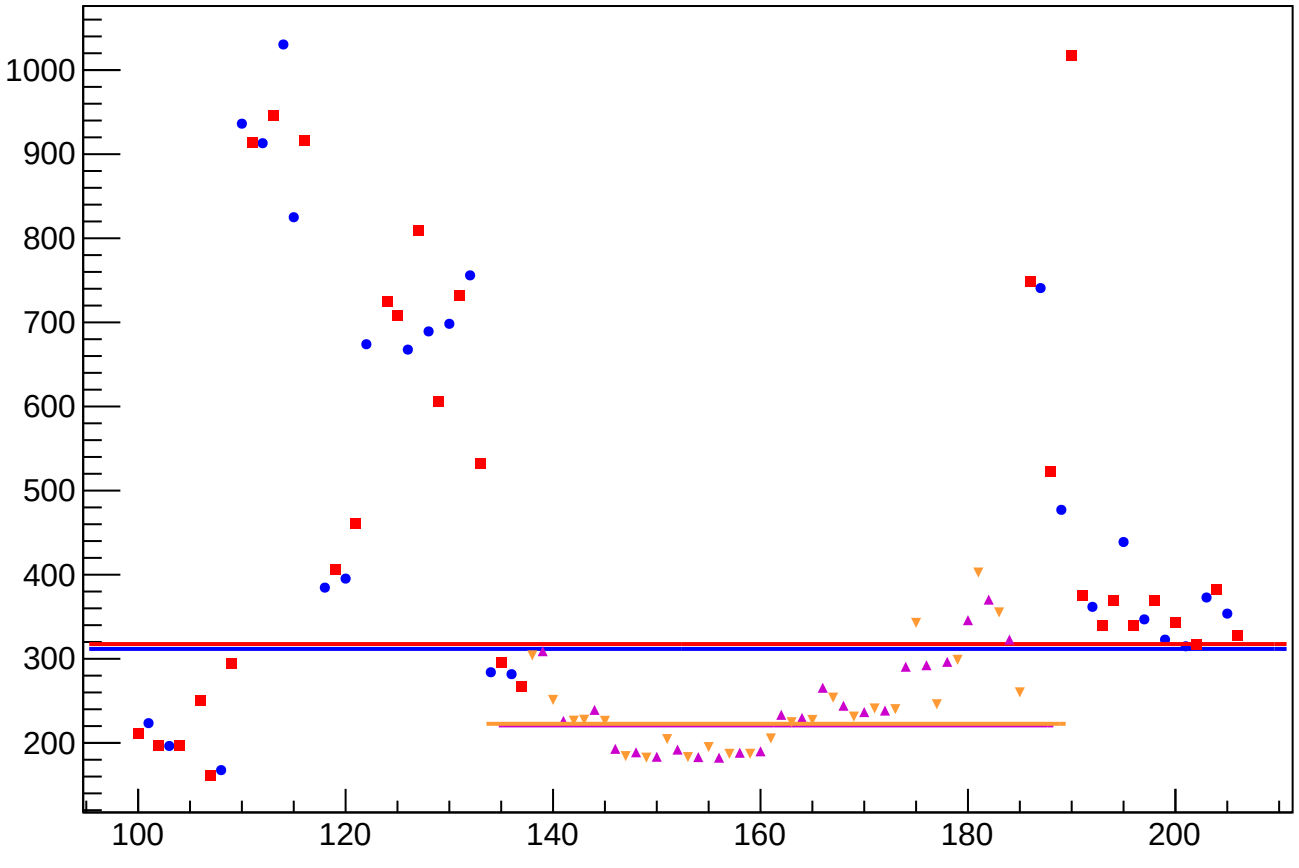
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.003+/-0.063 χ^2/NDF: 69.5/55

In: 0.027+/-0.046 χ^2/NDF:65.9/47

Out: 0.072+/-0.044 χ^2/NDF:72.0/55

All: 0.050+/-0.032 χ^2/NDF: 138.4/103



Right In: 311.757+/-0.064 χ^2/NDF: 4119495.9/24

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 317.549+/-0.061 χ^2/NDF: 4700062.7/30

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

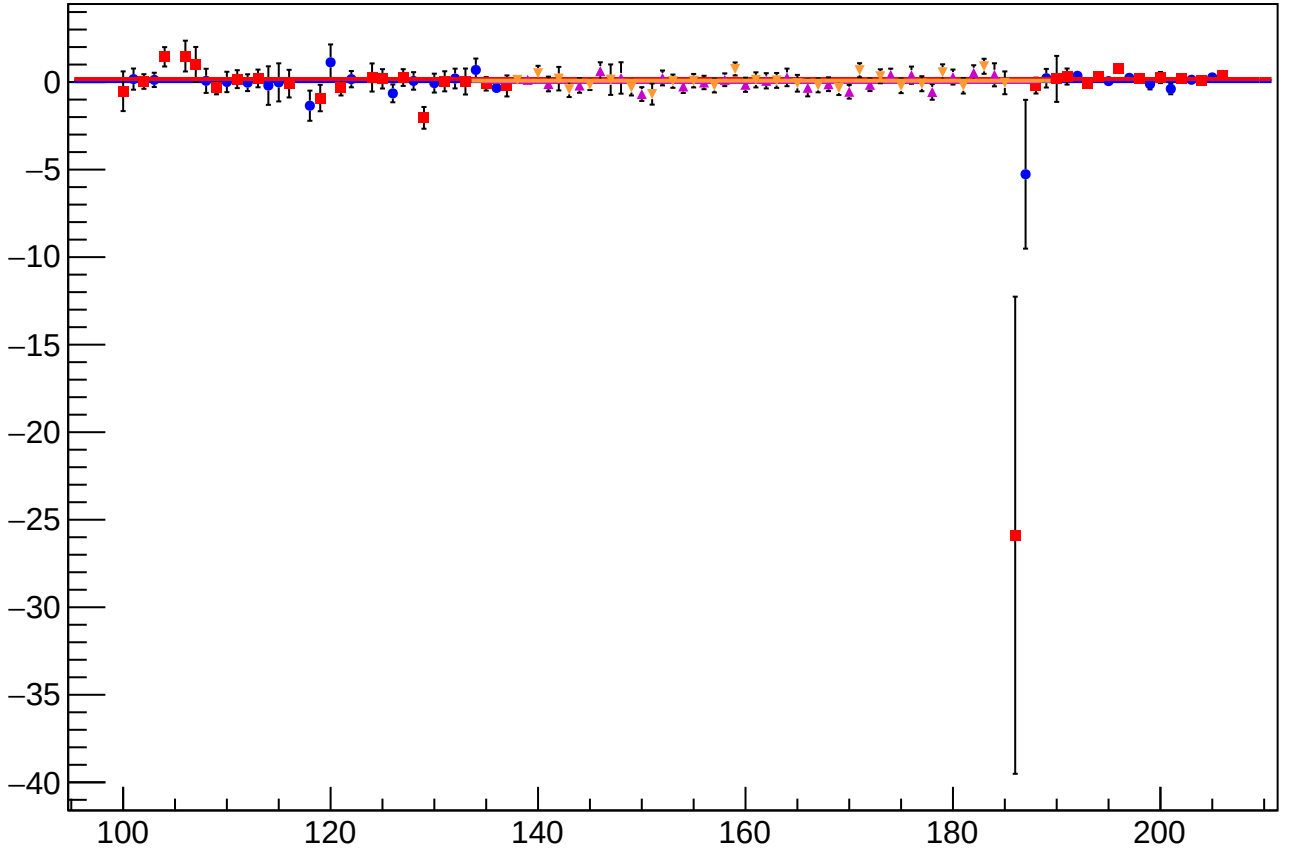
Right: 314.803+/-0.044 χ^2/NDF: 8823818.4/55

In: 243.819+/-0.032 χ^2/NDF:7083276.9/47

Out: 247.871+/-0.031 χ^2/NDF:7920987.2/55

All: 245.902+/-0.023 χ^2/NDF: 15012323.6/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.078 χ^2/NDF: 15.7/24

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.175+/-0.073 χ^2/NDF: 39.1/30

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

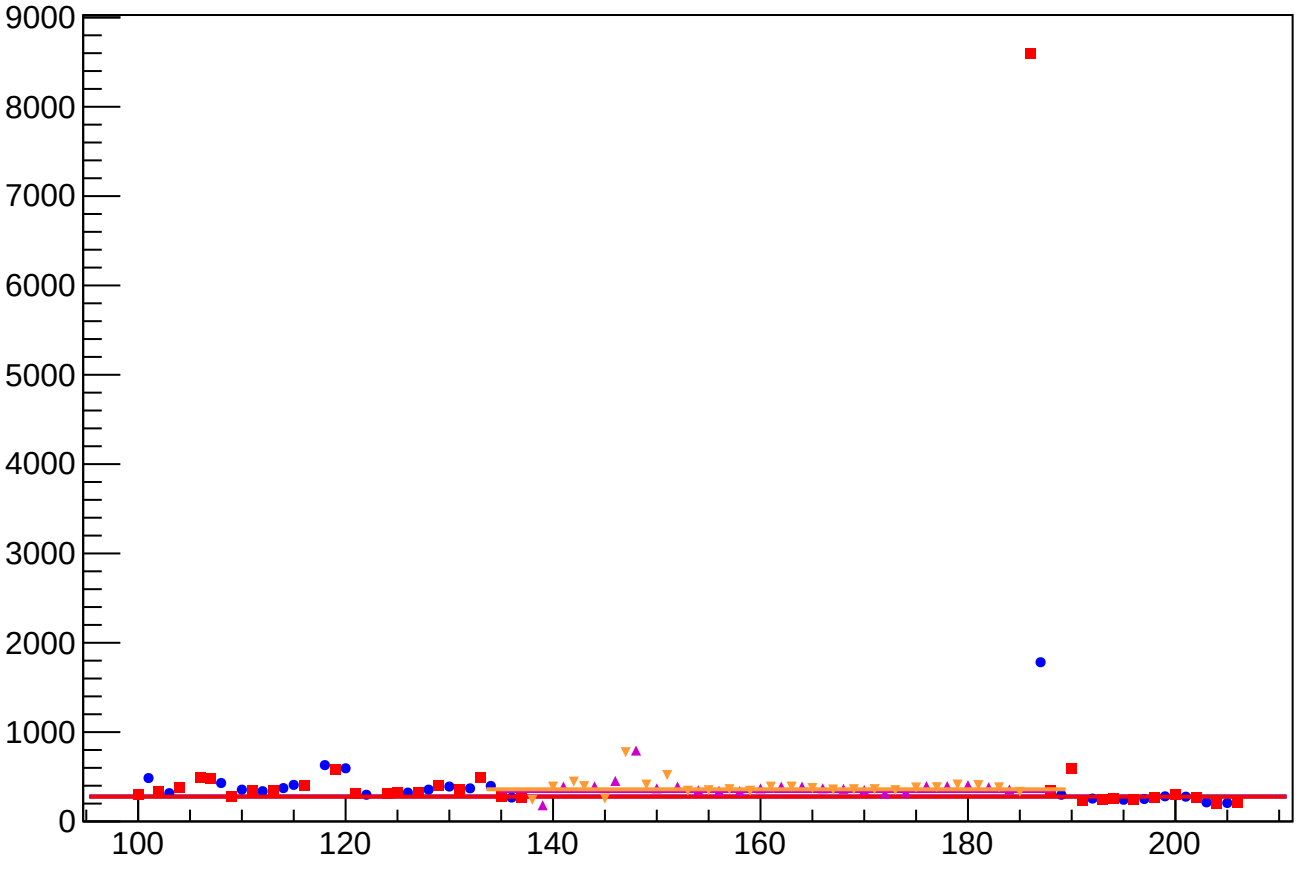
Right: 0.120+/-0.053 χ^2/NDF: 56.1/55

In: 0.033+/-0.057 χ^2/NDF:31.1/47

Out: 0.134+/-0.055 χ^2/NDF:58.8/55

All: 0.085+/-0.040 χ^2/NDF: 91.6/103

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 279.891+/-0.055 χ^2/NDF: 1959751.2/24

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 277.313+/-0.051 χ^2/NDF: 2534529.5/30

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

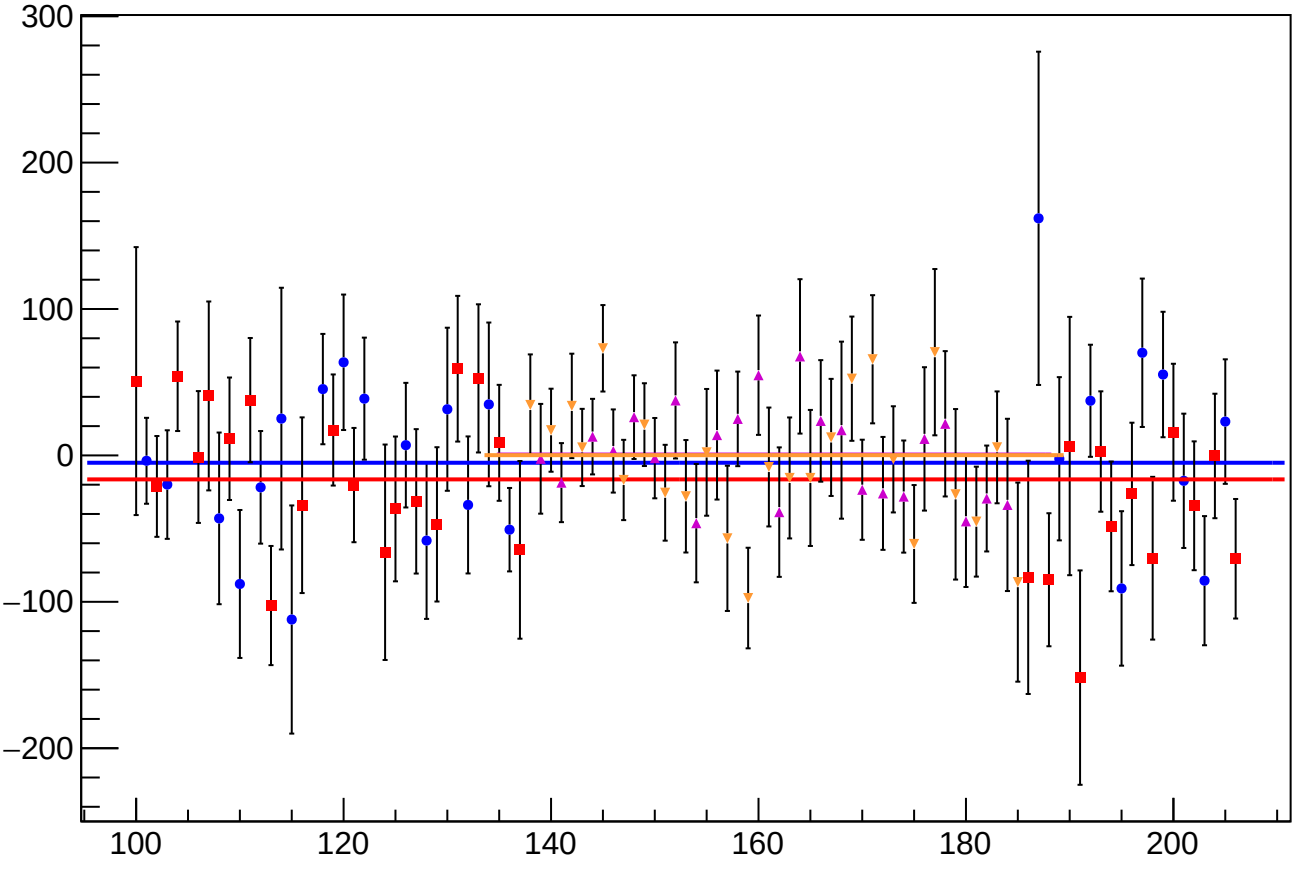
Right: 278.508+/-0.038 χ^2/NDF: 4495444.0/55

In: 308.277+/-0.040 χ^2/NDF:4741423.4/47

Out: 312.627+/-0.039 χ^2/NDF:4977226.7/55

All: 310.522+/-0.028 χ^2/NDF: 9724684.6/103

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

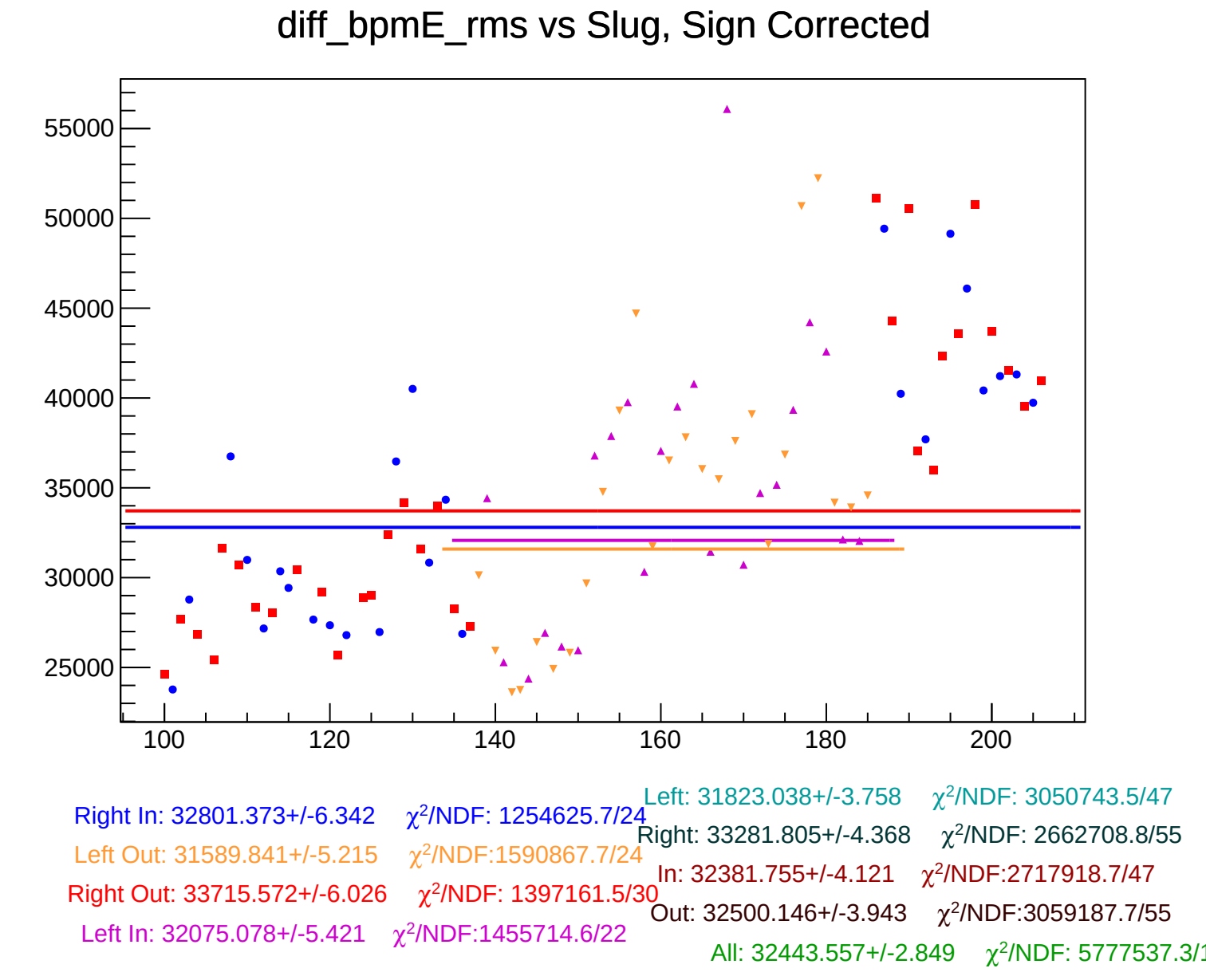
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.987+/-6.178 χ^2/NDF: 59.8/55

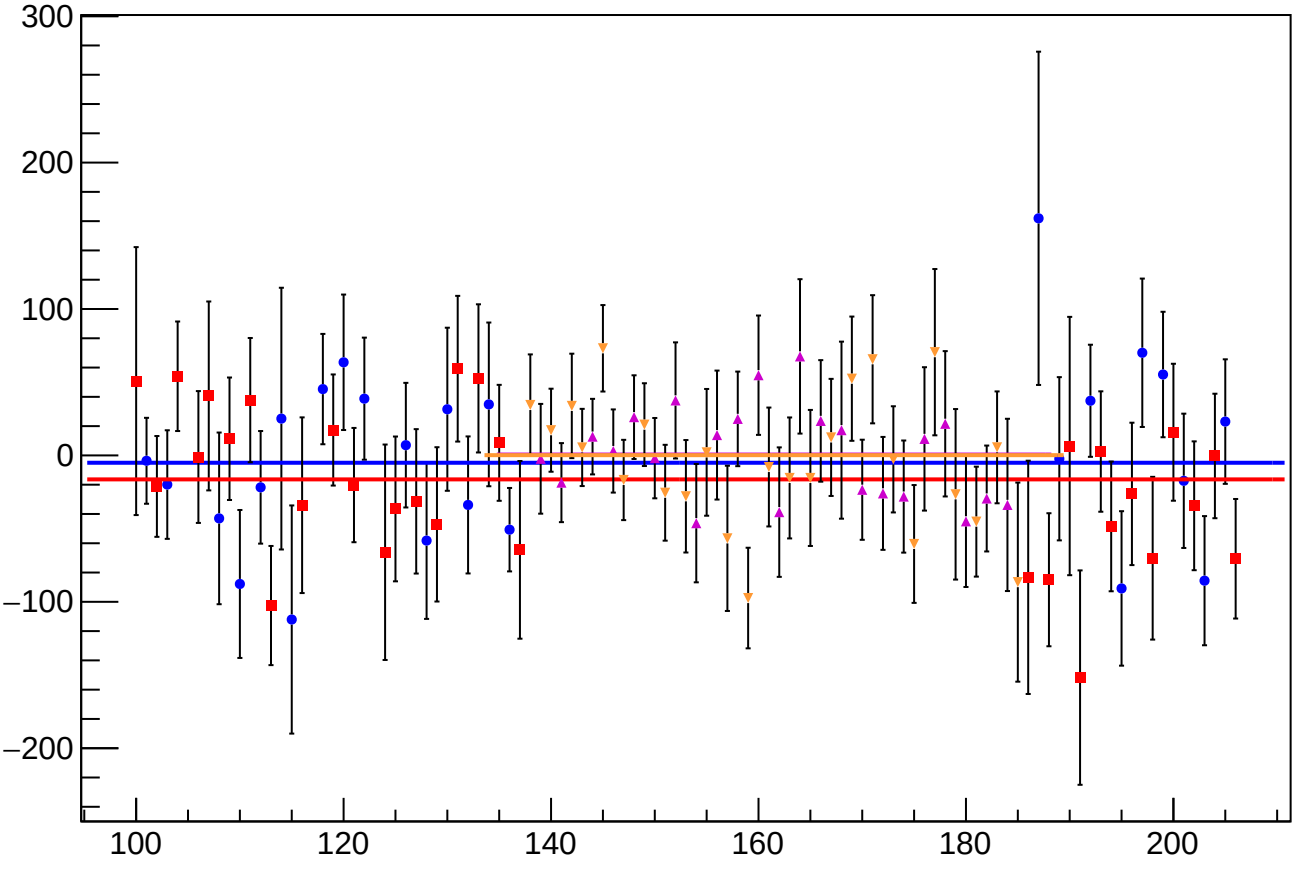
In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.462+/-4.029 χ^2/NDF: 105.7/103


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32801.373+/-6.342 χ²/NDF: 1254625.7/24
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33715.572+/-6.026 χ²/NDF: 1397161.5/30
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33281.805+/-4.368 χ²/NDF: 2662708.8/55
In: 32381.755+/-4.121 χ²/NDF:2717918.7/47
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32443.557+/-2.849 χ²/NDF: 5777537.3/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

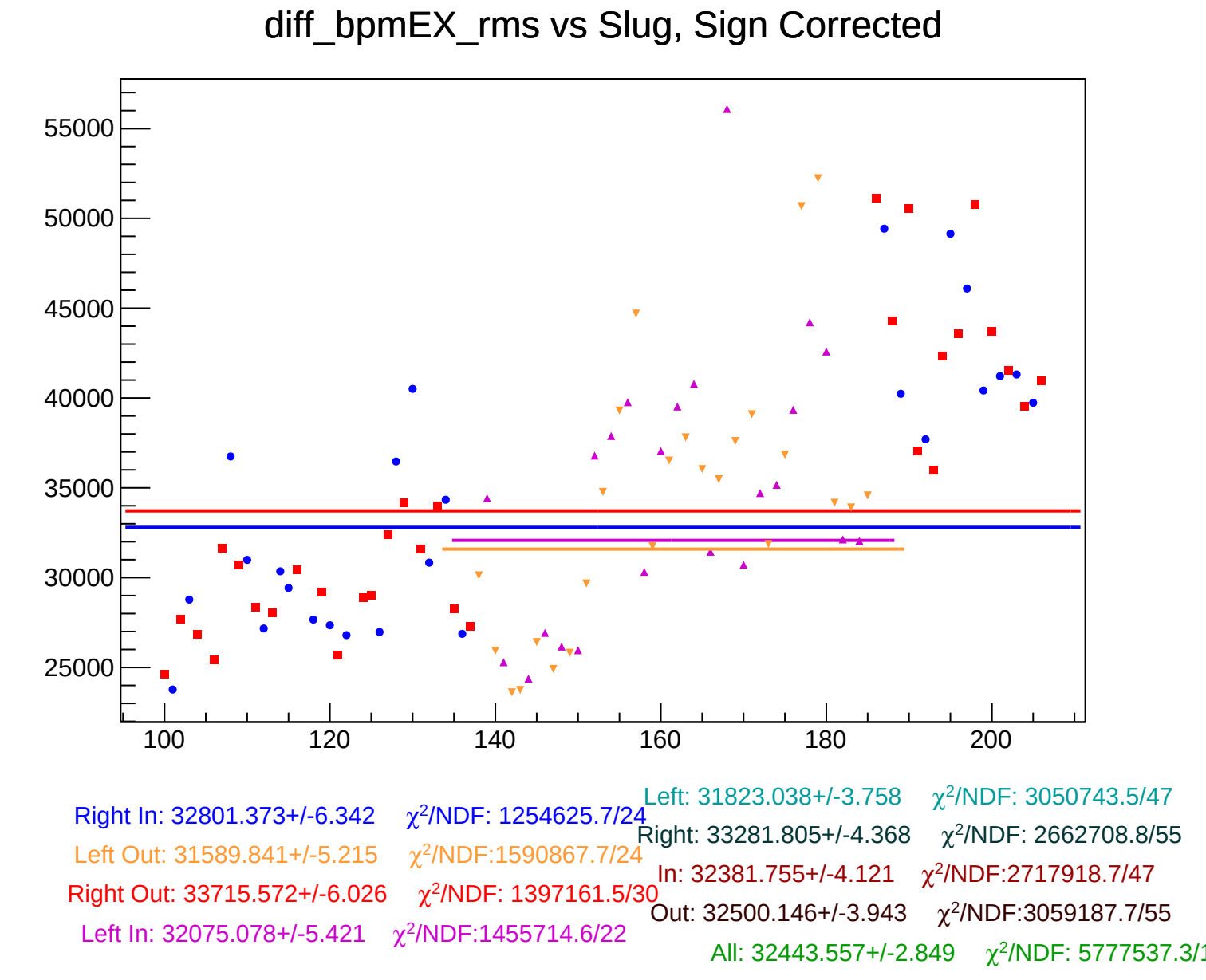
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.987+/-6.178 χ^2/NDF: 59.8/55

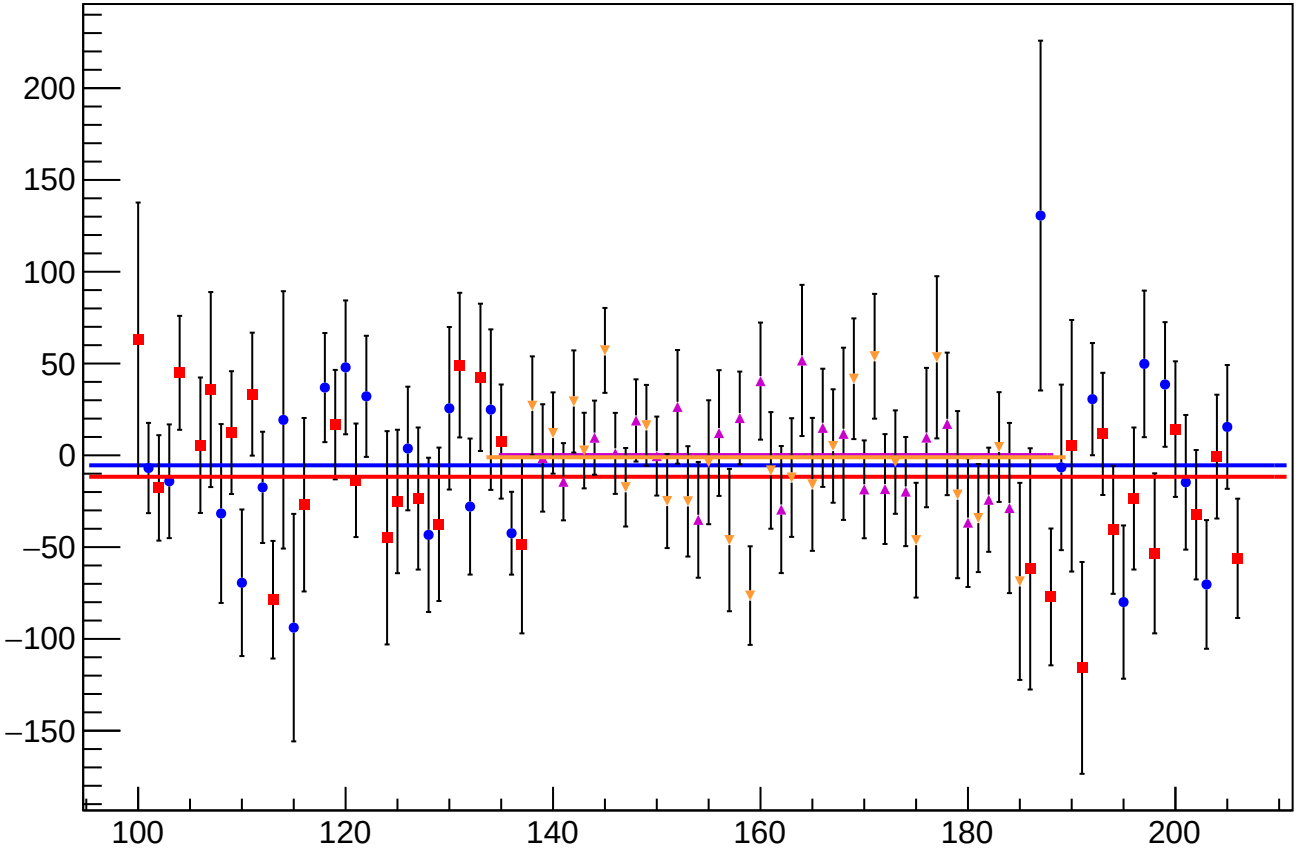
In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.462+/-4.029 χ^2/NDF: 105.7/103


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32801.373+/-6.342 χ²/NDF: 1254625.7/24
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33715.572+/-6.026 χ²/NDF: 1397161.5/30
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33281.805+/-4.368 χ²/NDF: 2662708.8/55
In: 32381.755+/-4.121 χ²/NDF:2717918.7/47
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32443.557+/-2.849 χ²/NDF: 5777537.3/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -5.446+/-7.169 χ^2/NDF: 29.7/24

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -11.681+/-6.809 χ^2/NDF: 31.2/30

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

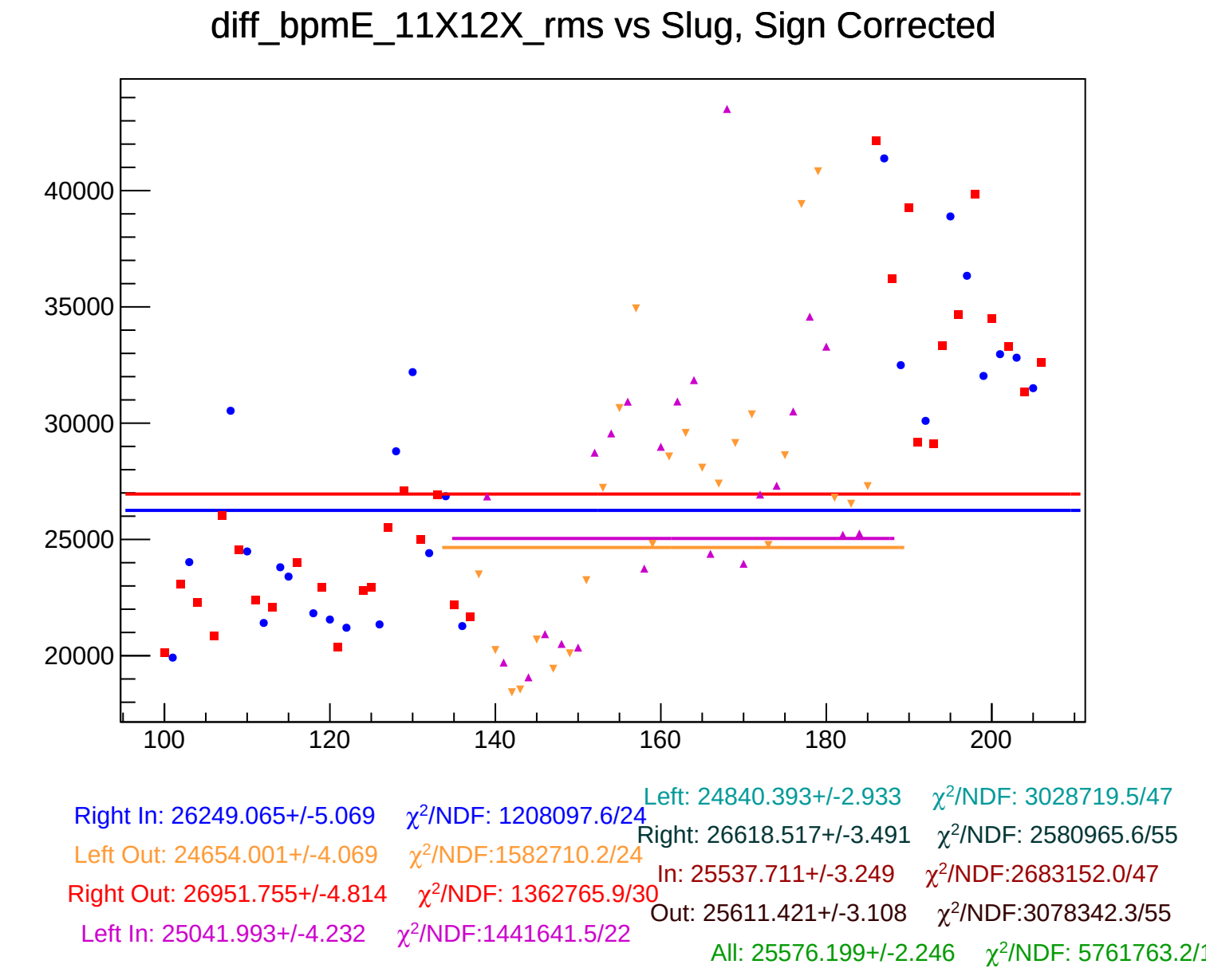
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

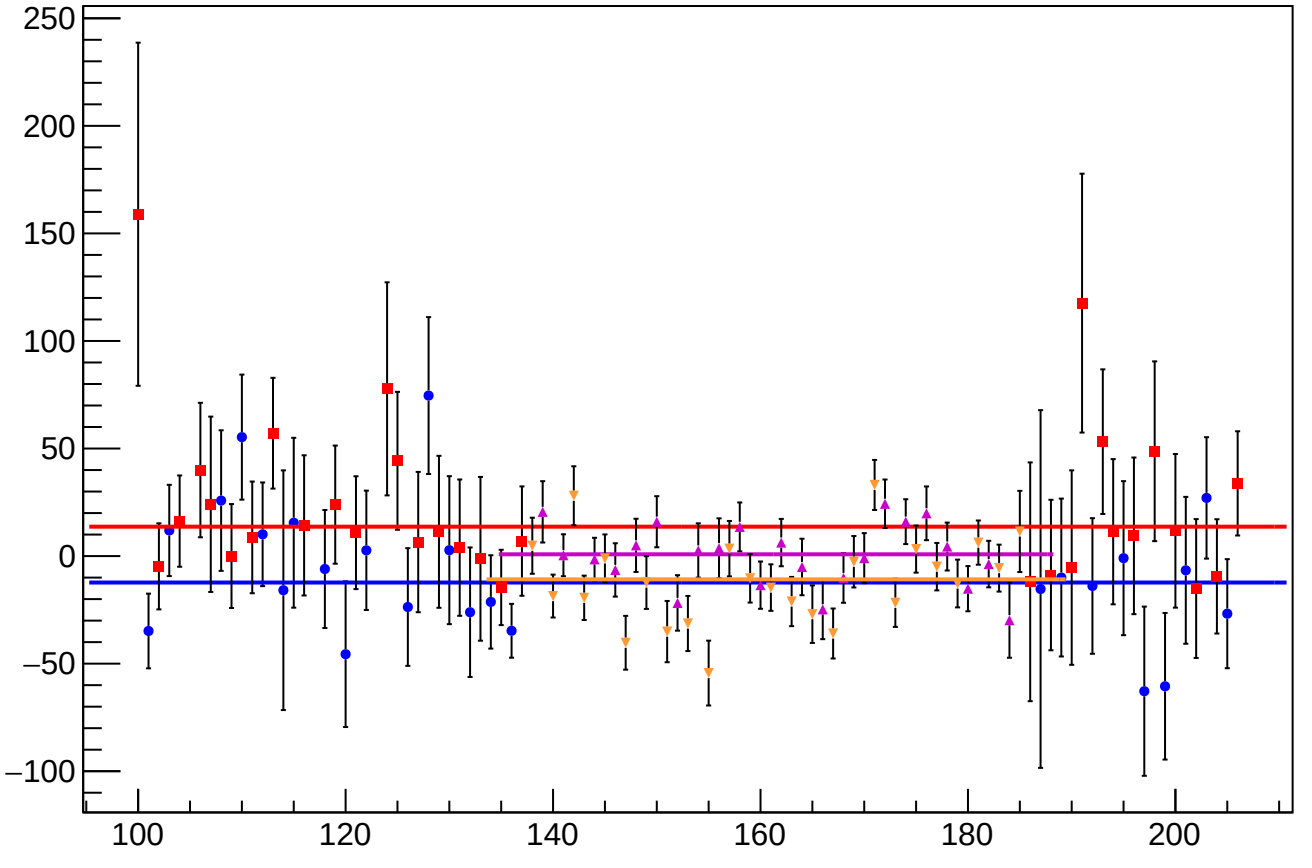
Right: -8.724+/-4.937 χ^2/NDF: 61.3/55

In: -2.150+/-4.594 χ^2/NDF:42.2/47

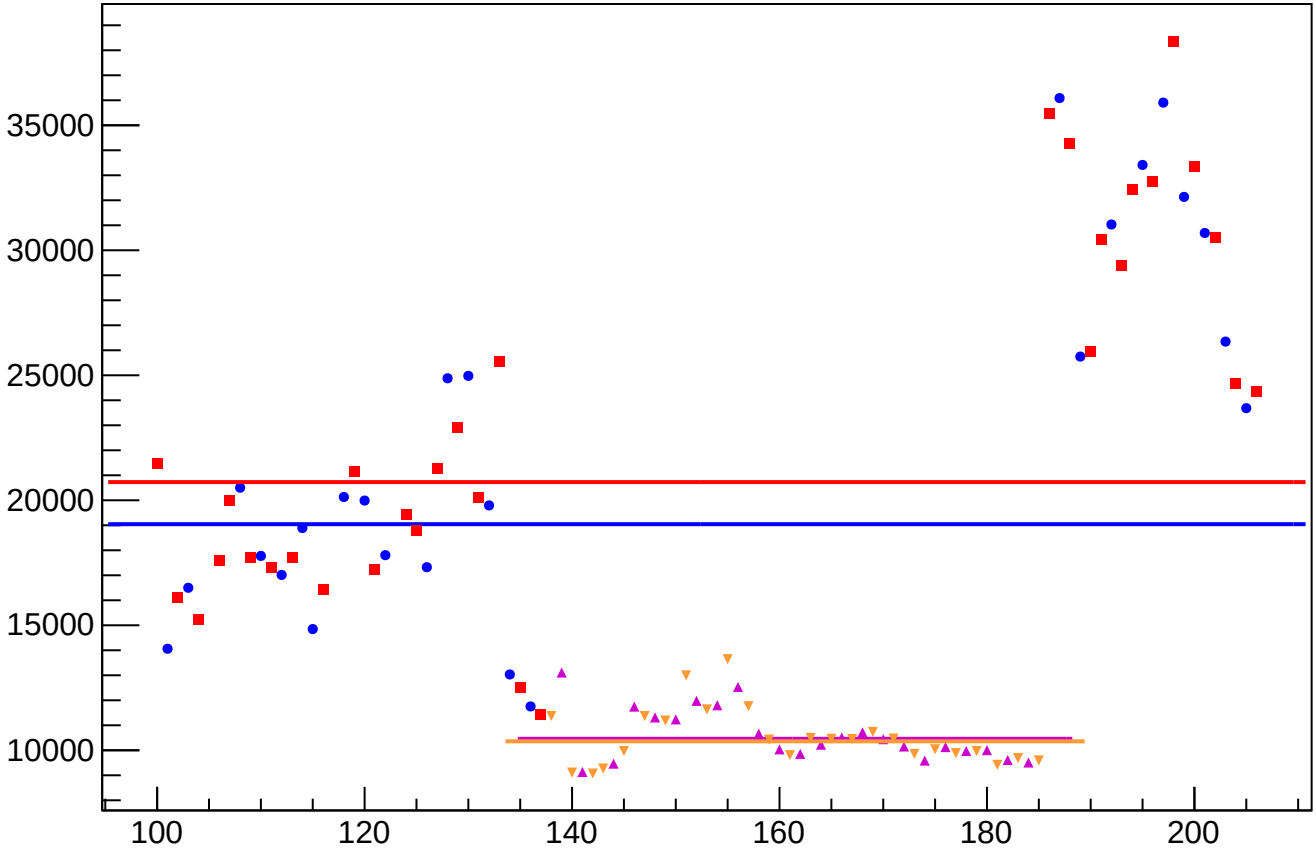
Out: -5.475+/-4.395 χ^2/NDF:64.9/55

All: -3.886+/-3.176 χ^2/NDF: 107.4/103


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26249.065+/-5.069 χ²/NDF: 1208097.6/24
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26951.755+/-4.814 χ²/NDF: 1362765.9/30
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26618.517+/-3.491 χ²/NDF: 2580965.6/55
In: 25537.711+/-3.249 χ²/NDF:2683152.0/47
Out: 25611.421+/-3.108 χ²/NDF:3078342.3/55
All: 25576.199+/-2.246 χ²/NDF: 5761763.2/1


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.289+/-5.403 χ²/NDF: 28.1/24
Left Out: -10.822+/-2.370 χ²/NDF:61.3/24
Right Out: 13.677+/-5.390 χ²/NDF: 22.0/30
Left In: 0.826+/-2.457 χ²/NDF:29.4/22
Left: -5.207+/-1.706 χ²/NDF: 102.3/47
Right: 0.726+/-3.816 χ²/NDF: 61.7/55
In: -1.421+/-2.237 χ²/NDF:62.4/47
Out: -6.853+/-2.170 χ²/NDF:100.6/55
All: -4.219+/-1.557 χ²/NDF: 166.0/103

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 19043.999+/-3.821 χ^2/NDF: 3058398.9/24

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20727.132+/-3.812 χ^2/NDF: 3173726.2/30

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

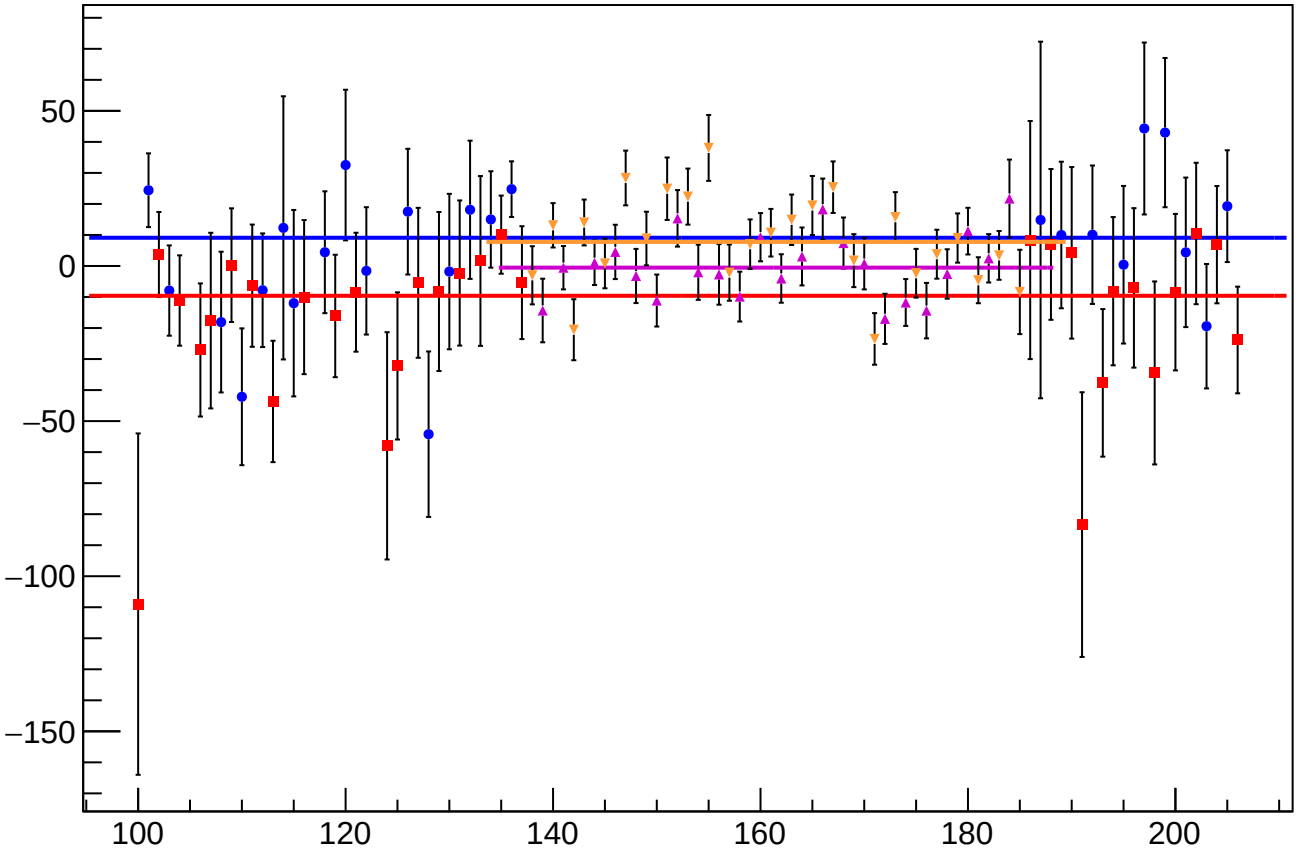
Right: 19887.602+/-2.698 χ^2/NDF: 6329385.9/55

In: 11929.975+/-1.582 χ^2/NDF:7556475.0/47

Out: 12038.447+/-1.534 χ^2/NDF:9737836.7/55

All: 11985.856+/-1.101 χ^2/NDF: 17296735.1/

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 9.101+/-3.861 χ^2/NDF: 27.9/24

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.602+/-3.857 χ^2/NDF: 22.1/30

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

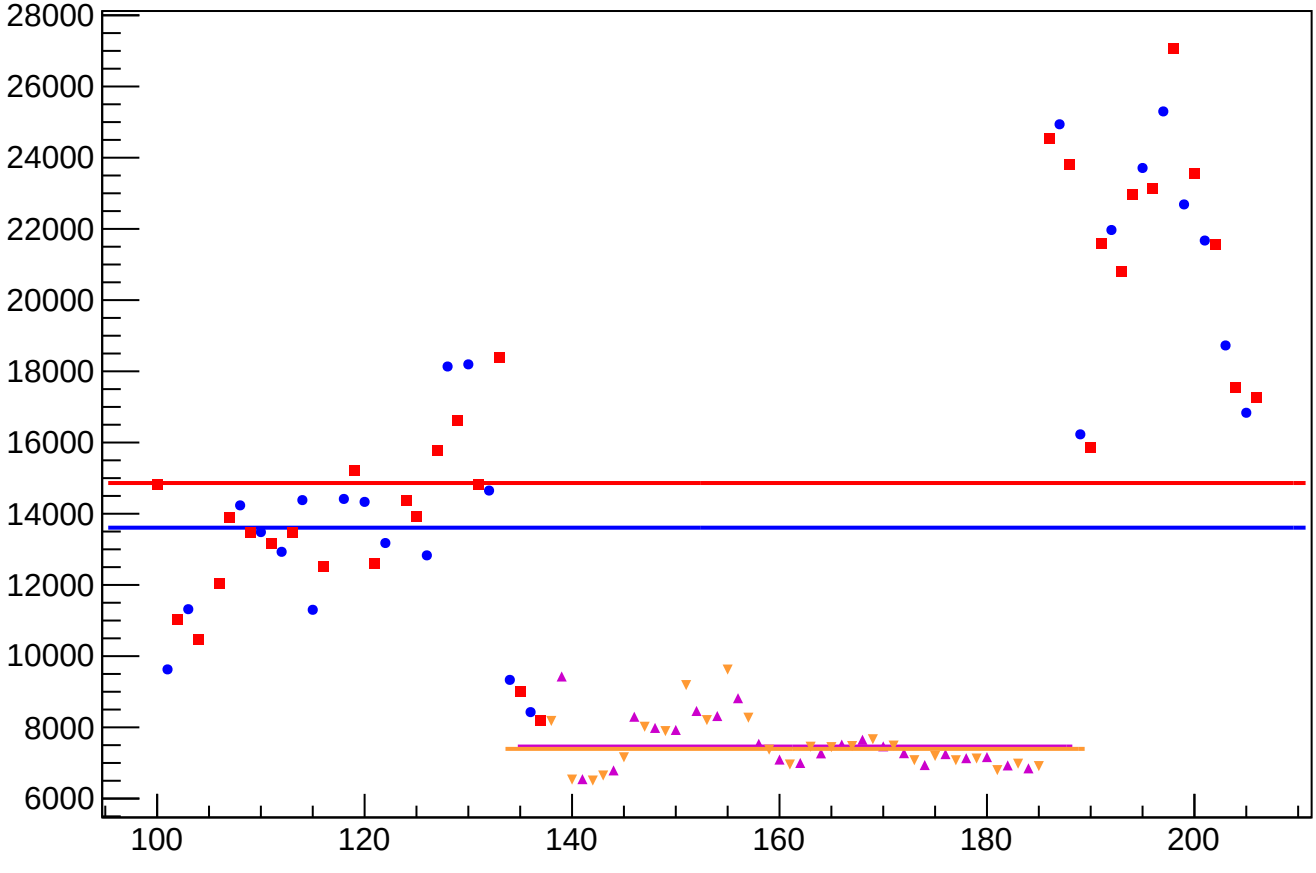
Right: -0.258+/-2.729 χ^2/NDF: 61.8/55

In: 1.113+/-1.595 χ^2/NDF:62.6/47

Out: 4.963+/-1.549 χ^2/NDF:100.1/55

All: 3.095+/-1.111 χ^2/NDF: 165.6/103

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13608.451+/-2.730 χ^2/NDF: 3005538.6/24

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14862.632+/-2.728 χ^2/NDF: 3055509.7/30

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

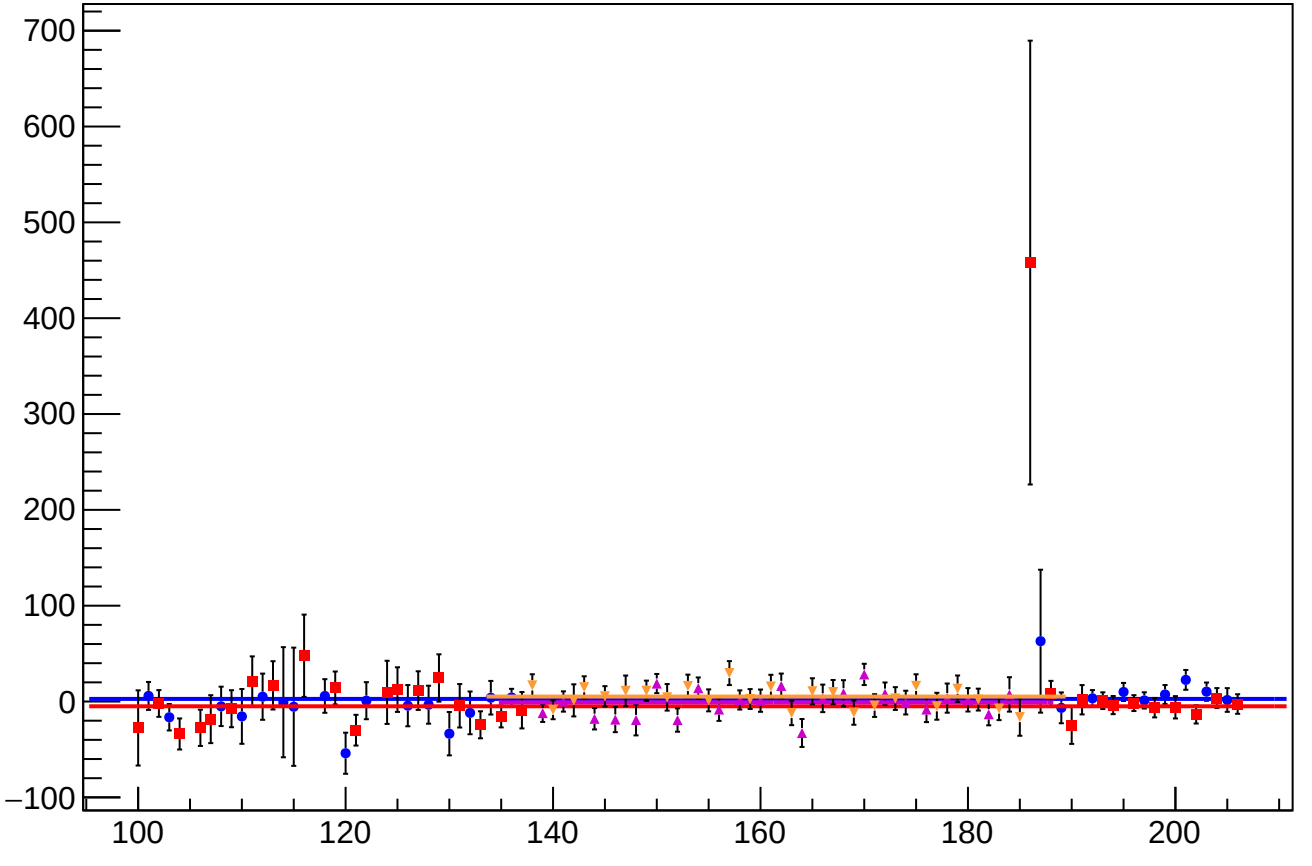
Right: 14236.069+/-1.930 χ^2/NDF: 6166670.4/55

In: 8510.616+/-1.128 χ^2/NDF:7494831.6/47

Out: 8599.852+/-1.095 χ^2/NDF:9665482.8/55

All: 8556.547+/-0.786 χ^2/NDF: 17163535.2/

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.733+/-2.793 χ^2/NDF: 19.0/24

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -4.964+/-2.582 χ^2/NDF: 26.1/30

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

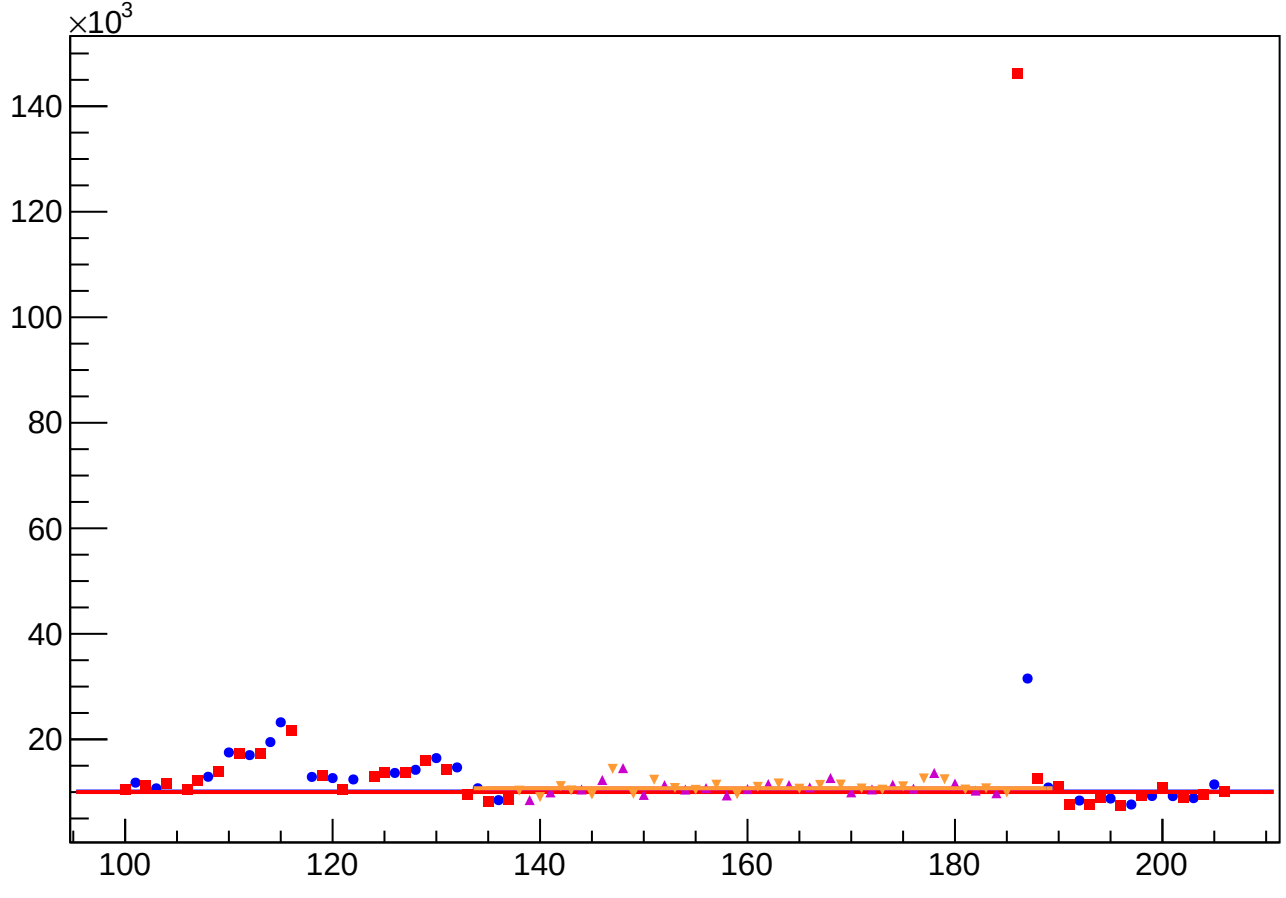
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.418+/-1.896 χ^2/NDF: 49.2/55

In: 0.734+/-1.870 χ^2/NDF:51.7/47

Out: 0.354+/-1.780 χ^2/NDF:52.6/55

All: 0.535+/-1.290 χ^2/NDF: 104.4/103



Right In: 10106.831+/-1.975 χ^2/NDF: 1609392.1/24

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10012.048+/-1.826 χ^2/NDF: 2291425.0/30

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

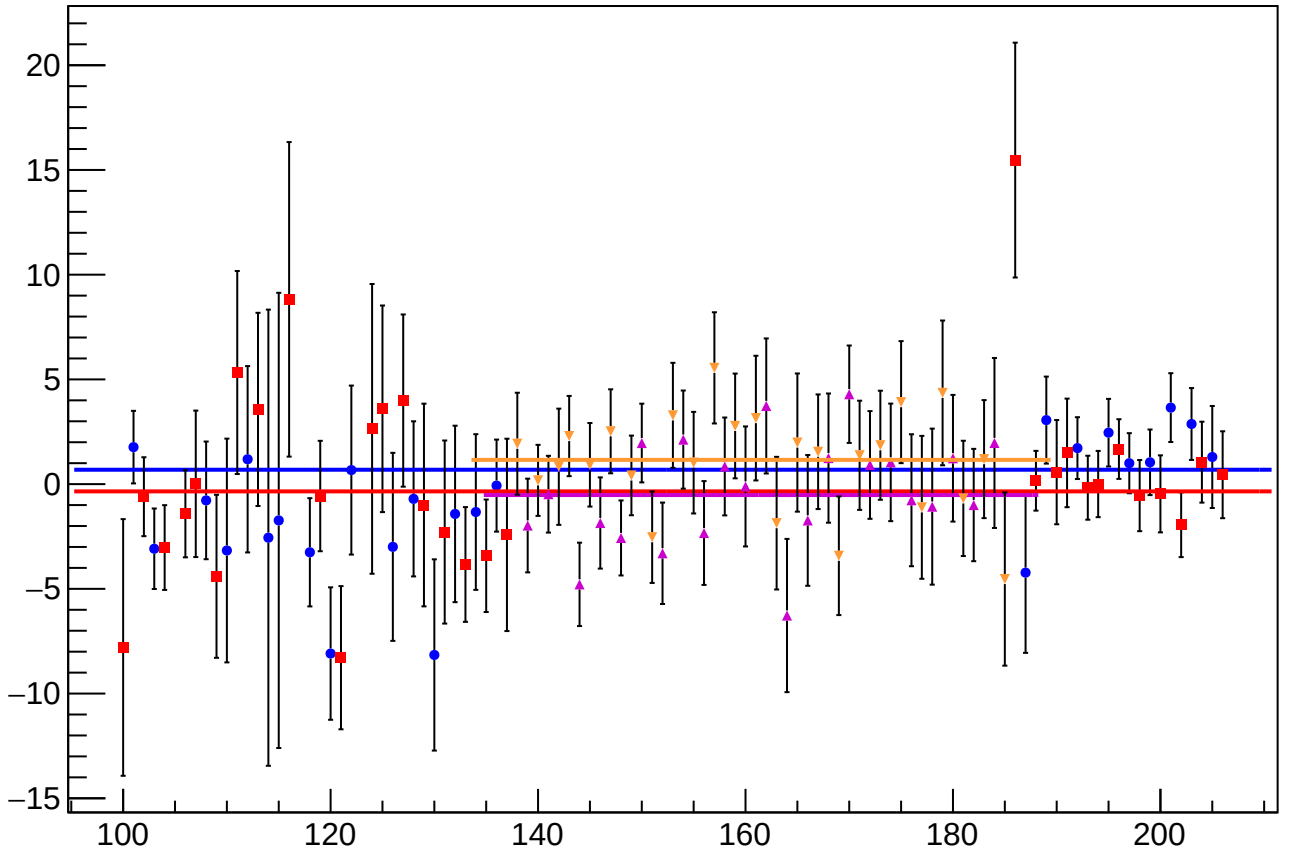
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10055.722+/-1.340 χ^2/NDF: 3902059.3/55

In: 10421.363+/-1.323 χ^2/NDF:2155965.5/47

Out: 10390.464+/-1.259 χ^2/NDF:2741655.4/55

All: 10405.153+/-0.912 χ^2/NDF: 4897907.2/1



Right In: 0.687+/-0.468 χ^2/NDF: 30.1/24

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.347+/-0.426 χ^2/NDF: 31.4/30

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

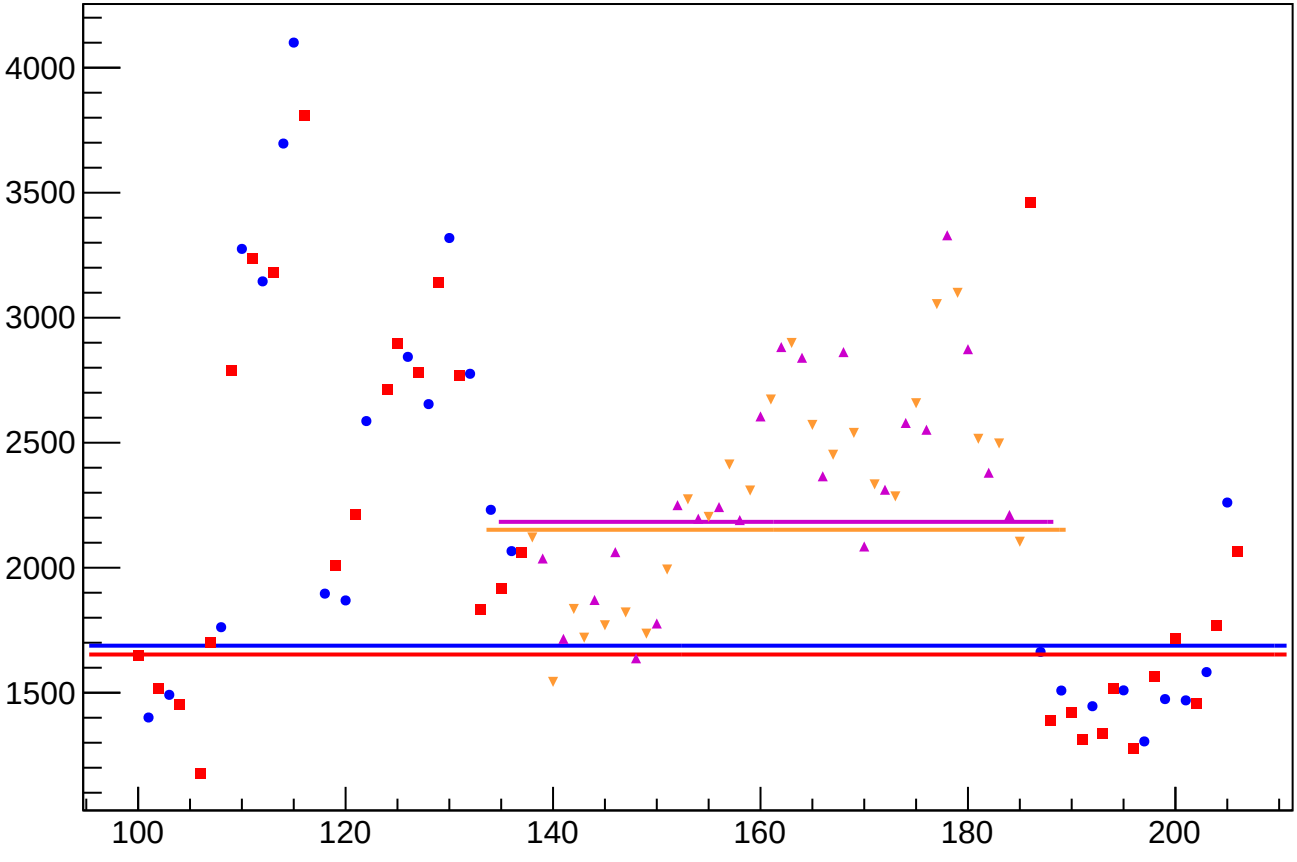
Right: 0.121+/-0.315 χ^2/NDF: 64.2/55

In: 0.146+/-0.348 χ^2/NDF:55.4/47

Out: 0.285+/-0.324 χ^2/NDF:53.5/55

All: 0.220+/-0.237 χ^2/NDF: 109.0/103

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1688.182+/-0.331 χ^2/NDF: 1939478.0/24

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1652.885+/-0.301 χ^2/NDF: 2374507.6/30

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

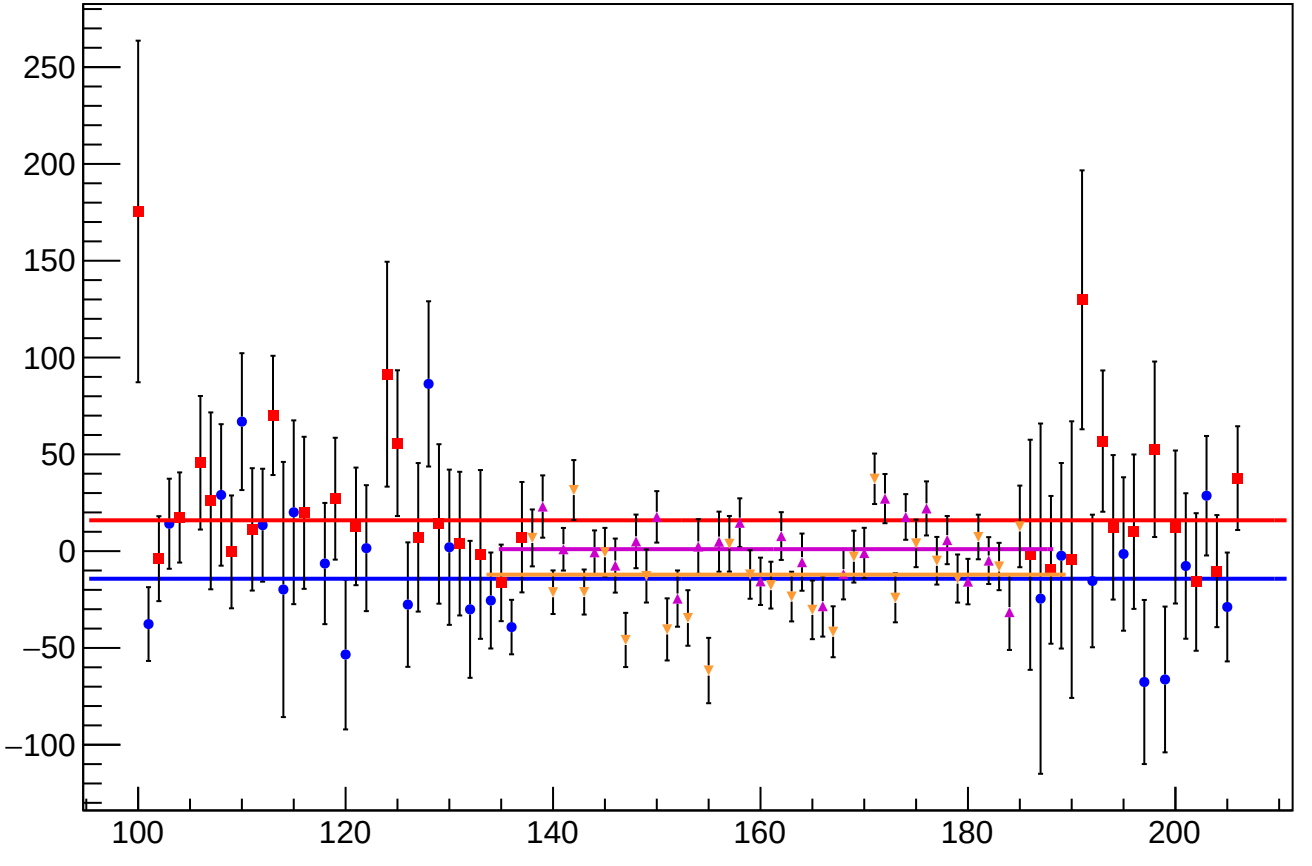
Right: 1668.862+/-0.223 χ^2/NDF: 4320212.9/55

In: 1909.896+/-0.246 χ^2/NDF:4104536.0/47

Out: 1862.409+/-0.229 χ^2/NDF:4878201.3/55

All: 1884.480+/-0.168 χ^2/NDF: 9002690.2/10

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -14.255+/-6.133 χ^2/NDF: 27.8/24

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 15.933+/-6.125 χ^2/NDF: 22.1/30

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

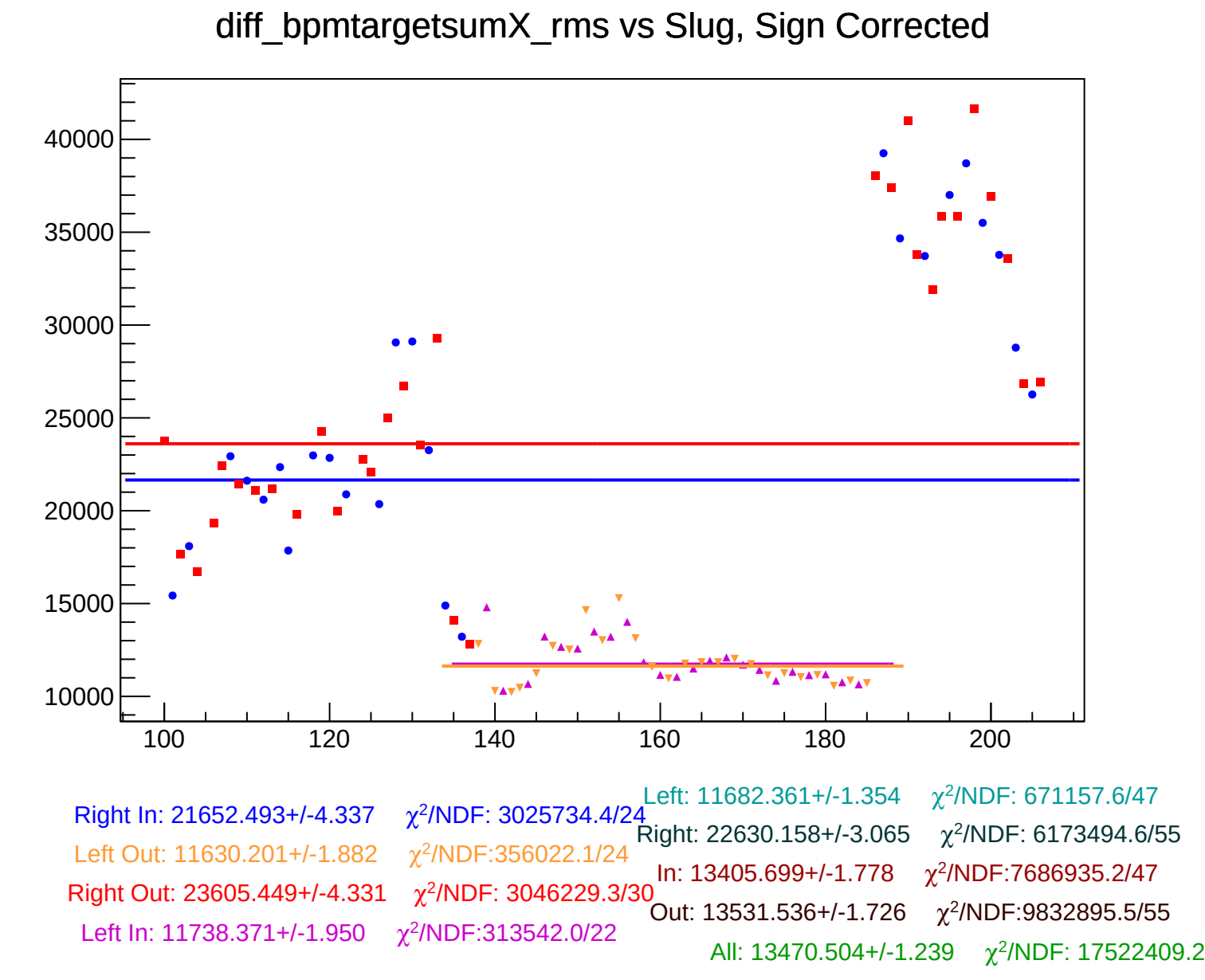
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

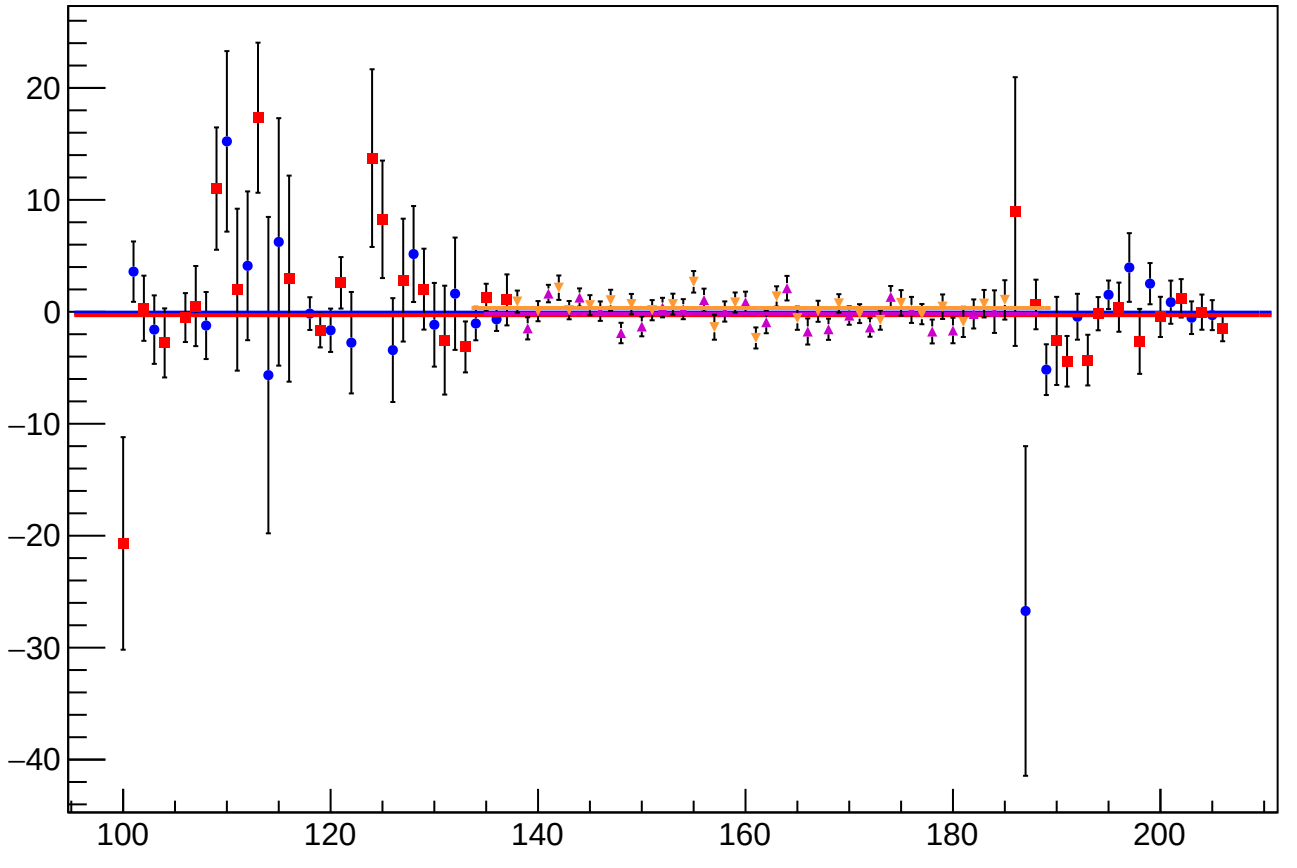
Right: 0.857+/-4.334 χ^2/NDF: 62.0/55

In: -1.546+/-2.515 χ^2/NDF:61.7/47

Out: -7.678+/-2.441 χ^2/NDF:102.4/55

All: -4.704+/-1.752 χ^2/NDF: 167.2/103


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21652.493+/-4.337 χ²/NDF: 3025734.4/24
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23605.449+/-4.331 χ²/NDF: 3046229.3/30
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 22630.158+/-3.065 χ²/NDF: 6173494.6/55
In: 13405.699+/-1.778 χ²/NDF:7686935.2/47
Out: 13531.536+/-1.726 χ²/NDF:9832895.5/55
All: 13470.504+/-1.239 χ²/NDF: 17522409.2



Right In: -0.074+/-0.425 χ^2/NDF: 24.7/24

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.298+/-0.417 χ^2/NDF: 39.7/30

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

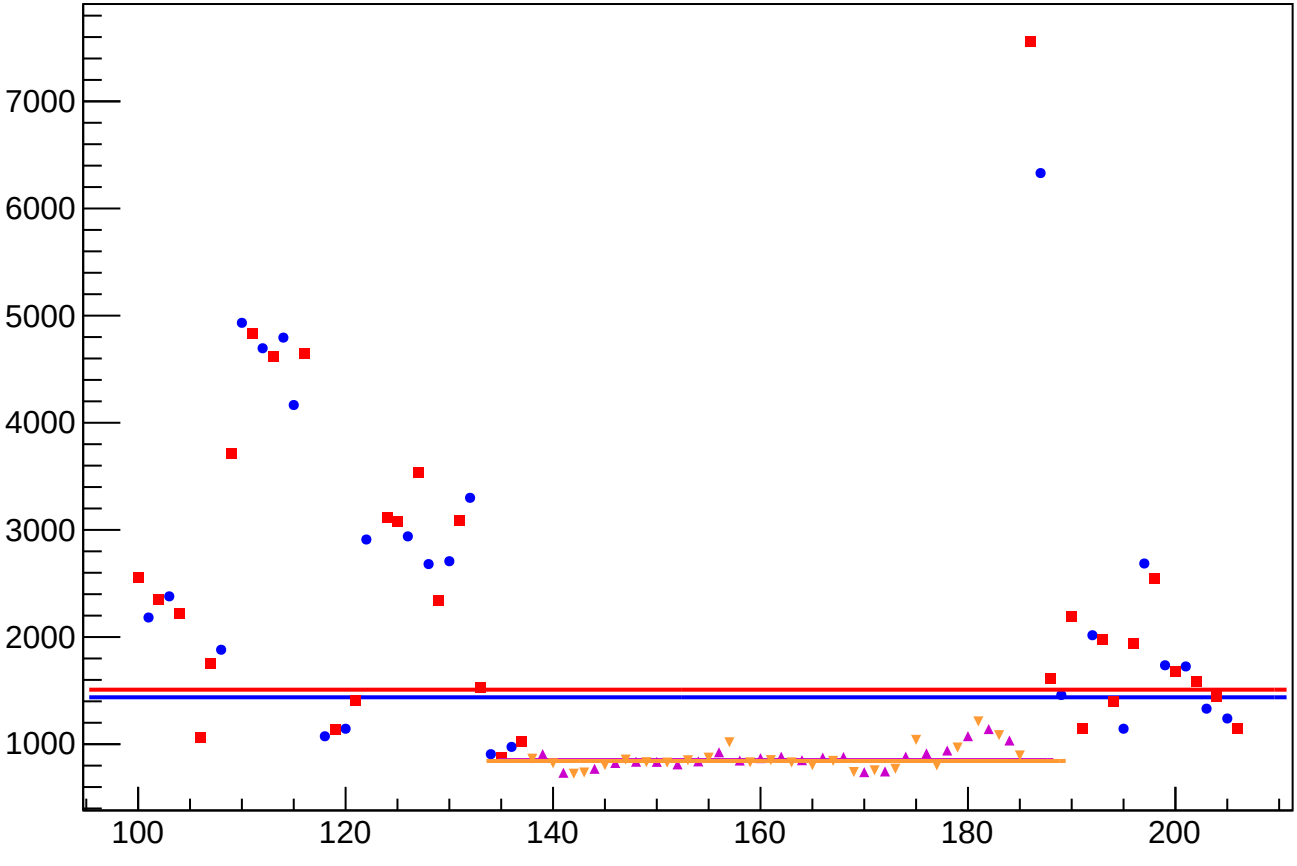
Right: -0.188+/-0.298 χ^2/NDF: 64.6/55

In: -0.148+/-0.182 χ^2/NDF:61.1/47

Out: 0.229+/-0.176 χ^2/NDF:68.5/55

All: 0.046+/-0.126 χ^2/NDF: 131.8/103

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1437.746+/-0.301 χ^2/NDF: 4361378.8/24

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1508.807+/-0.295 χ^2/NDF: 4689051.9/30

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

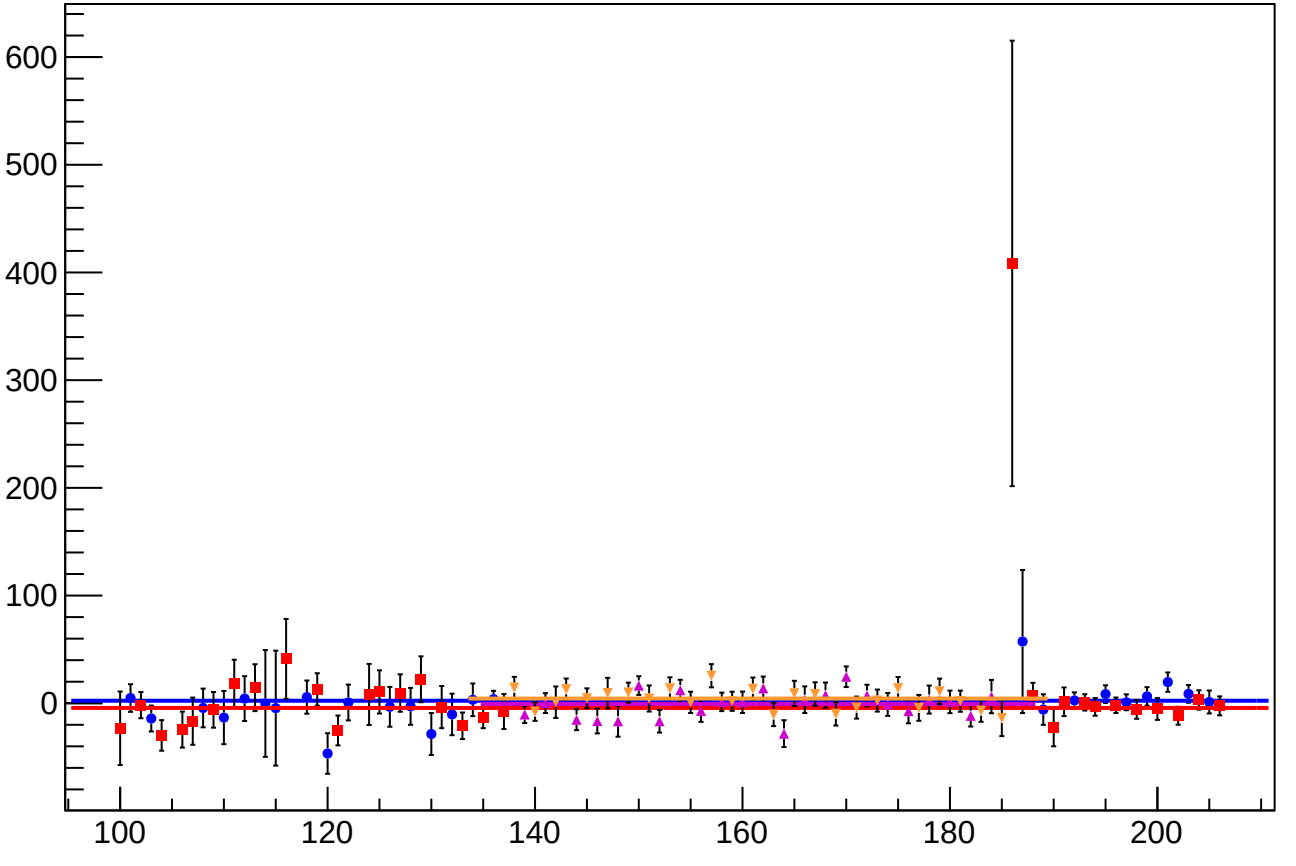
Right: 1474.014+/-0.210 χ^2/NDF: 9078924.2/55

In: 958.507+/-0.128 χ^2/NDF:7849430.1/47

Out: 961.633+/-0.124 χ^2/NDF:9390925.9/55

All: 960.122+/-0.089 χ^2/NDF: 17240662.1/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.343+/-2.423 χ^2/NDF: 18.6/24

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.329+/-2.242 χ^2/NDF: 26.0/30

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

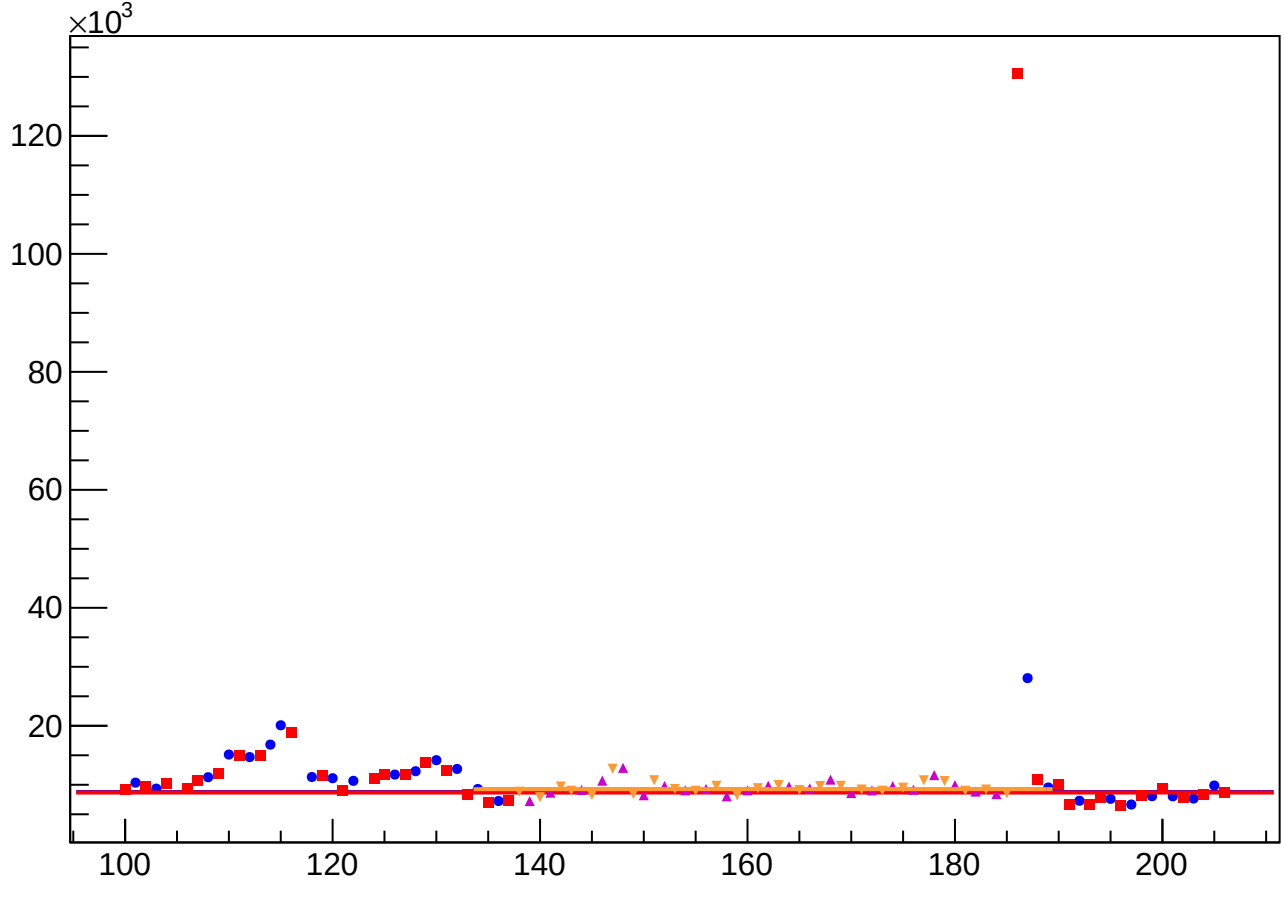
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.252+/-1.646 χ^2/NDF: 48.8/55

In: 0.636+/-1.617 χ^2/NDF:51.5/47

Out: 0.267+/-1.541 χ^2/NDF:52.6/55

All: 0.443+/-1.115 χ^2/NDF: 104.2/103



Right In: 8766.414+/-1.713 χ^2/NDF: 1617611.0/24

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8690.931+/-1.585 χ^2/NDF: 2297245.9/30

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

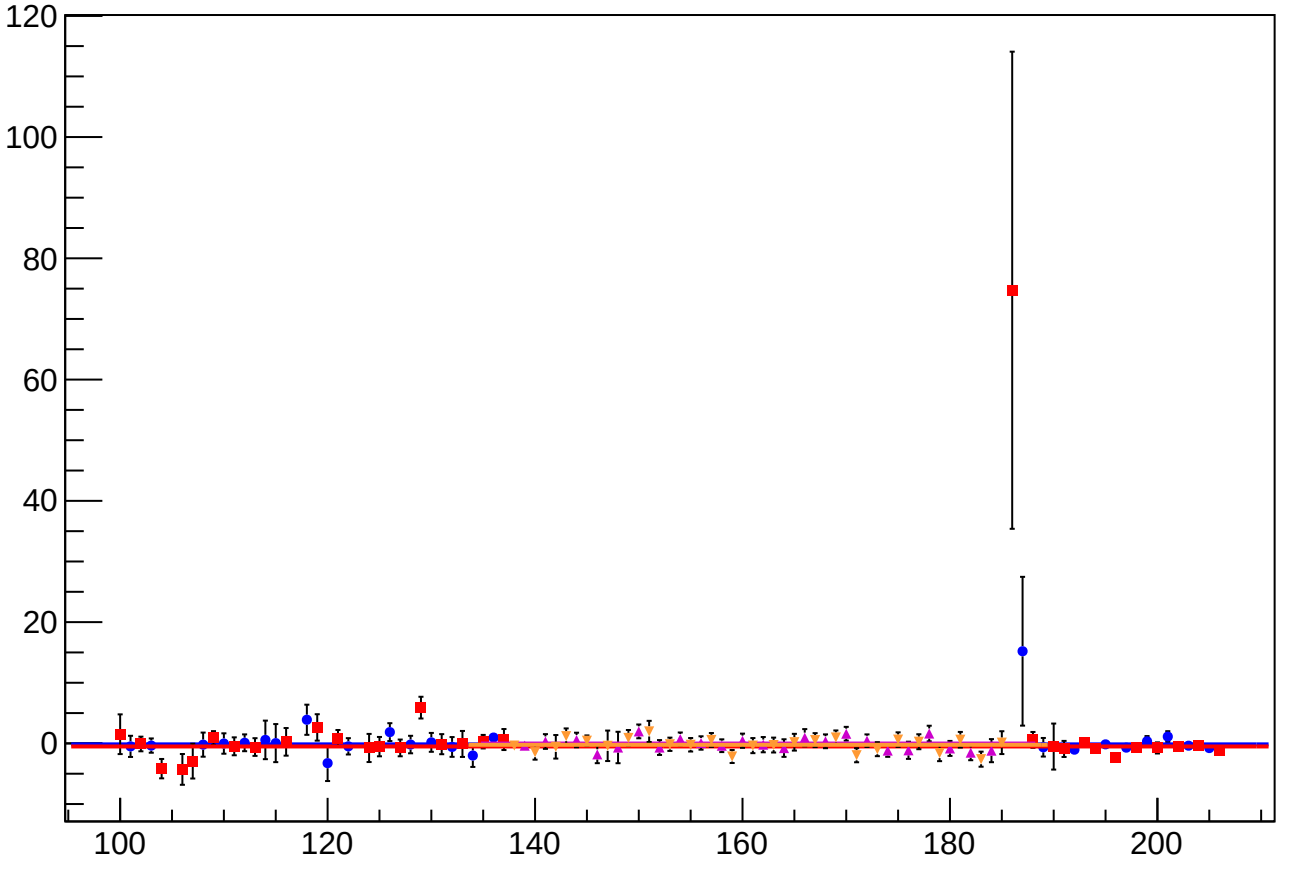
Right: 8725.745+/-1.164 χ^2/NDF: 3915902.6/55

In: 9006.720+/-1.143 χ^2/NDF:2168560.0/47

Out: 8991.963+/-1.090 χ^2/NDF:2731664.4/55

All: 8998.987+/-0.789 χ^2/NDF: 4900311.7/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.160+/-0.226 χ^2/NDF: 15.7/24

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.506+/-0.210 χ^2/NDF: 39.1/30

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

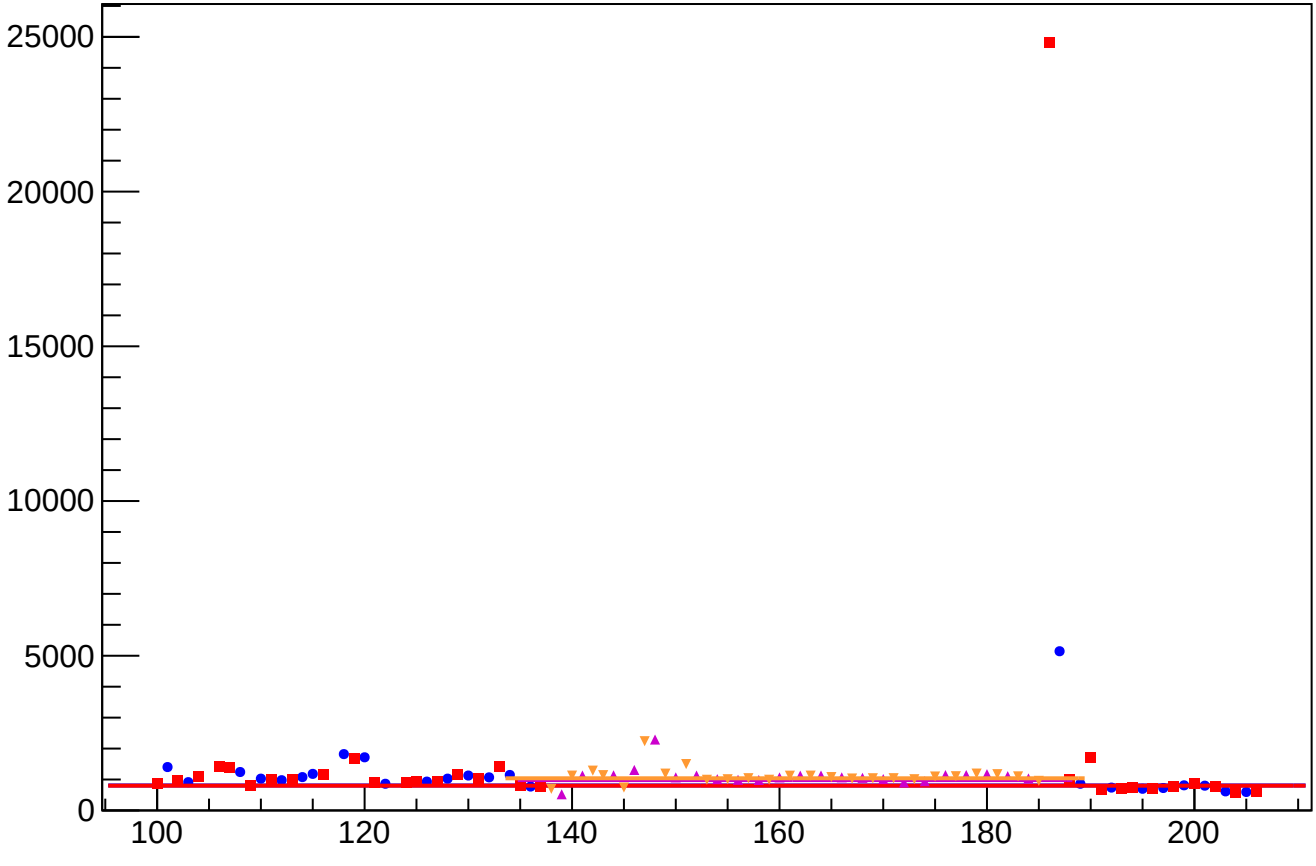
Right: -0.346+/-0.154 χ^2/NDF: 56.1/55

In: -0.096+/-0.164 χ^2/NDF:31.1/47

Out: -0.388+/-0.159 χ^2/NDF:58.8/55

All: -0.247+/-0.114 χ^2/NDF: 91.6/103

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 808.079+/-0.160 χ^2/NDF: 1959751.2/24

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 800.635+/-0.149 χ^2/NDF: 2534529.5/30

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

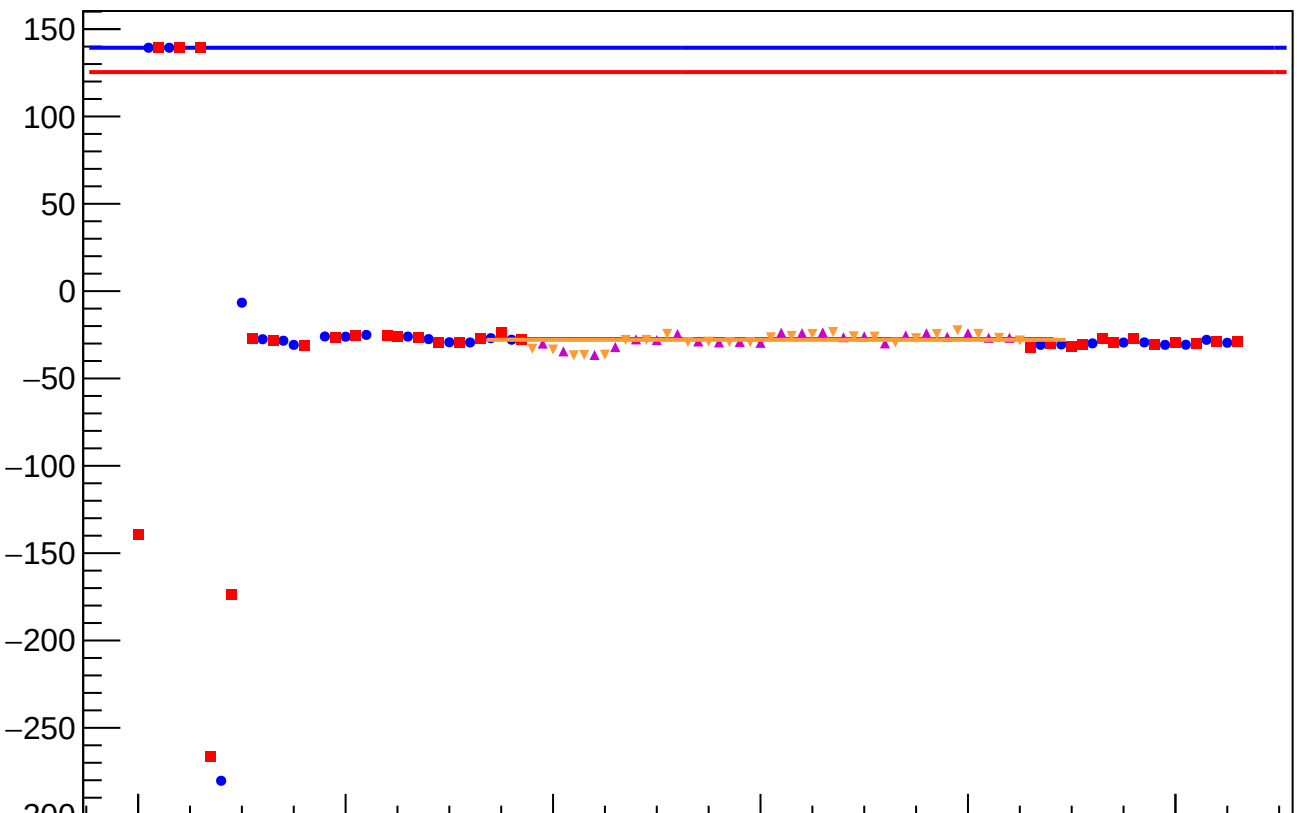
Right: 804.084+/-0.109 χ^2/NDF: 4495444.0/55

In: 890.031+/-0.116 χ^2/NDF:4741423.4/47

Out: 902.591+/-0.112 χ^2/NDF:4977226.7/55

All: 896.514+/-0.081 χ^2/NDF: 9724684.6/103

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 56706944638.3/24

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774184567703669.1/30

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

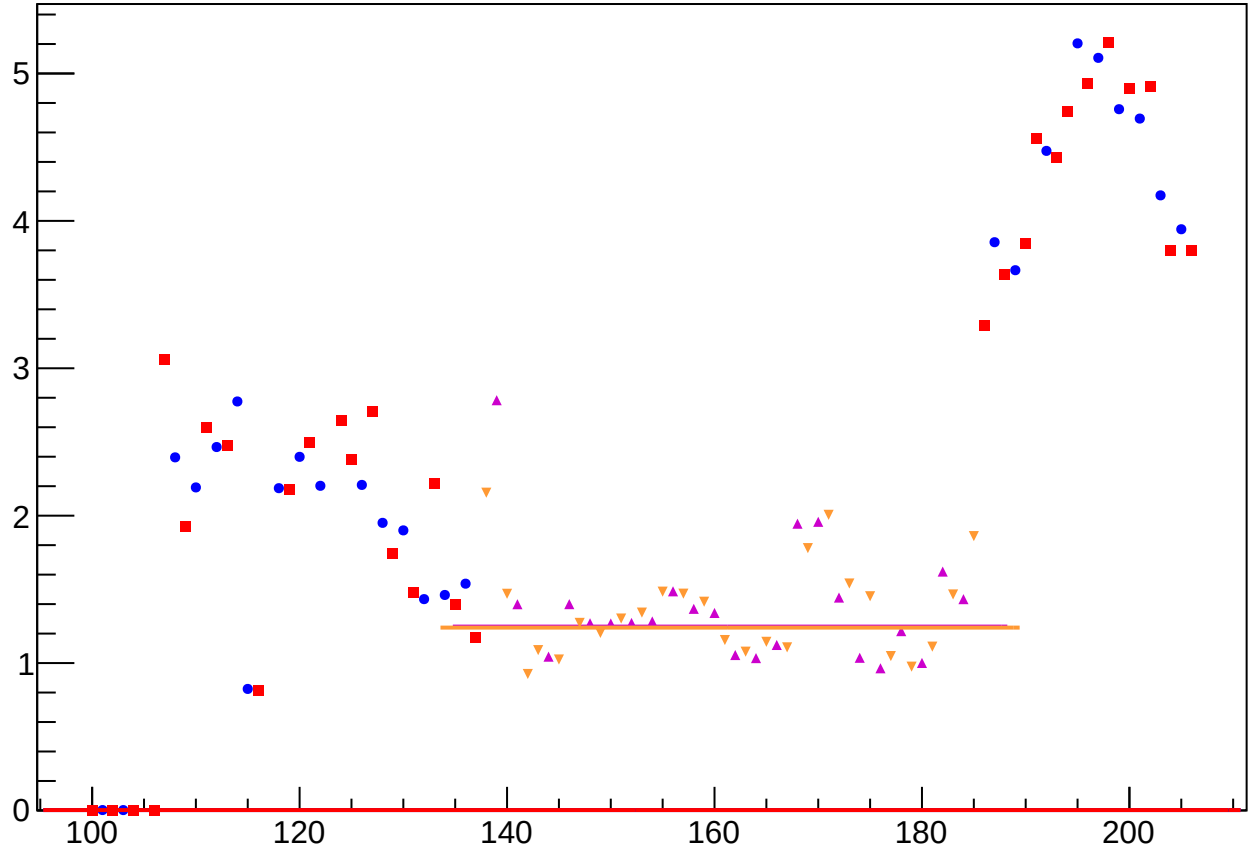
Right: 131.818+/-0.000 χ^2/NDF: 793026198988660

In: 139.328+/-0.000 χ^2/NDF:311105855841.2/47

Out: 125.384+/-0.000 χ^2/NDF:774415255822706.

All: 131.810+/-0.000 χ^2/NDF: 79350861159

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 22849705.8/24

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 27096719.6/30

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

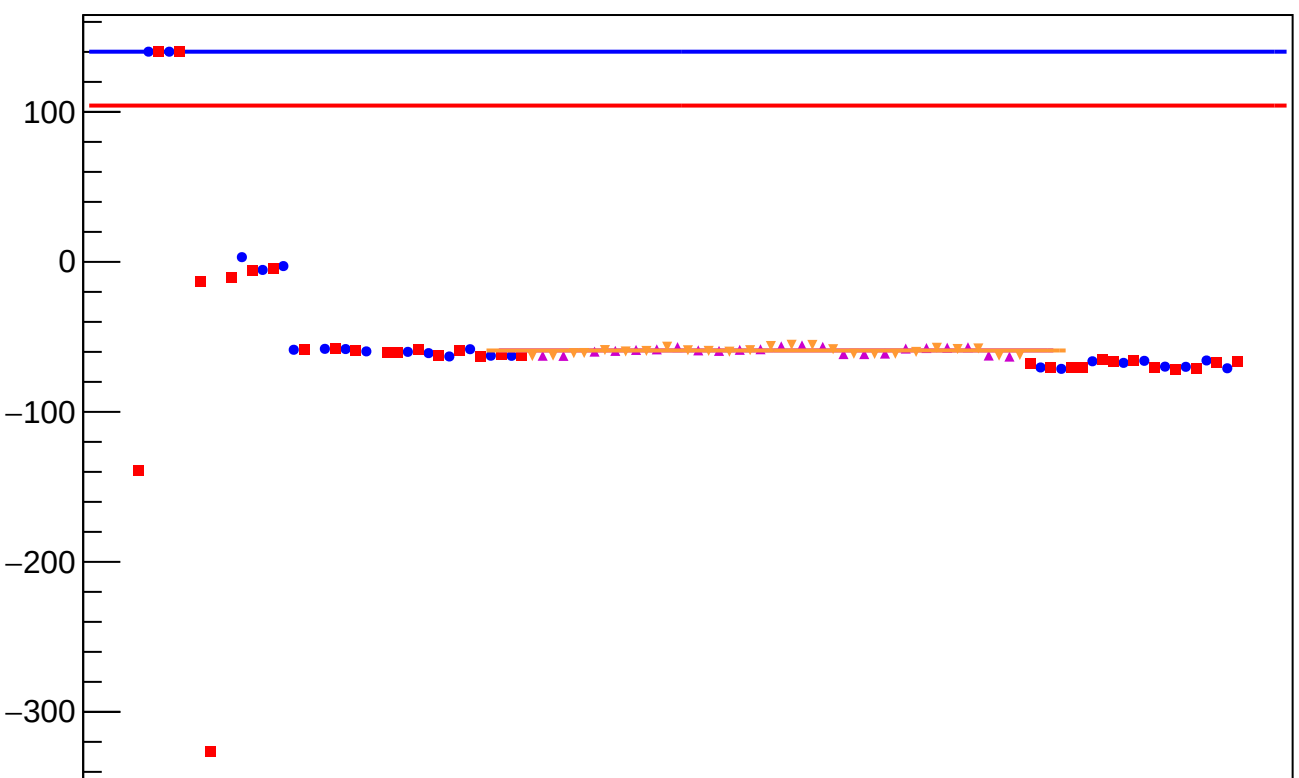
Right: 0.003+/-0.000 χ^2/NDF: 49946593.5/55

In: 0.003+/-0.000 χ^2/NDF:52615092.9/47

Out: 0.003+/-0.000 χ^2/NDF:58396645.1/55

All: 0.003+/-0.000 χ^2/NDF: 111011975.5/103

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.138+/-0.000 χ^2/NDF: 399401490280.2/24

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257599525487578.0/30

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

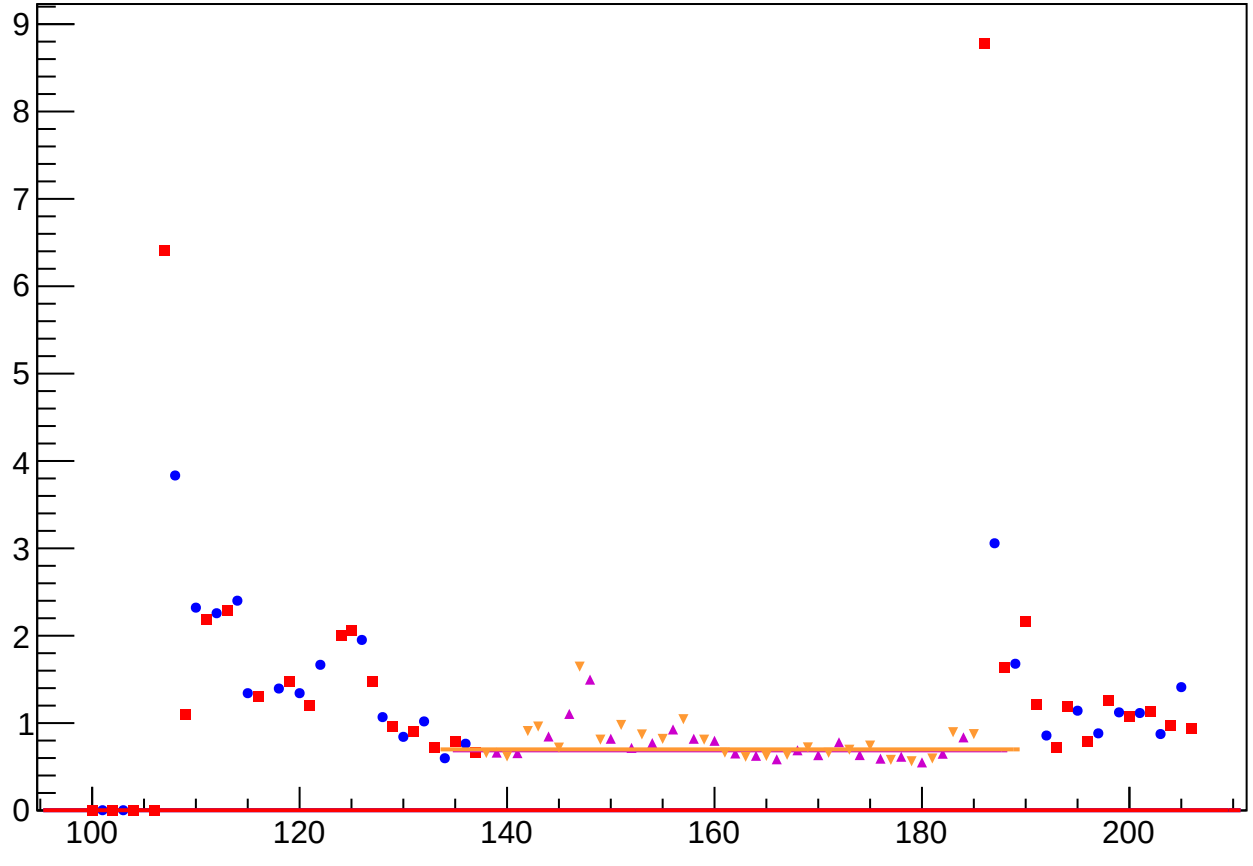
Right: 120.826+/-0.000 χ^2/NDF: 138130776537957

In: 140.102+/-0.000 χ^2/NDF:1674932503519.9/47

Out: 104.193+/-0.000 χ^2/NDF:1258471121945352

All: 120.796+/-0.000 χ^2/NDF: 13834058225

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 21535779.3/24

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 25155234.9/30

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

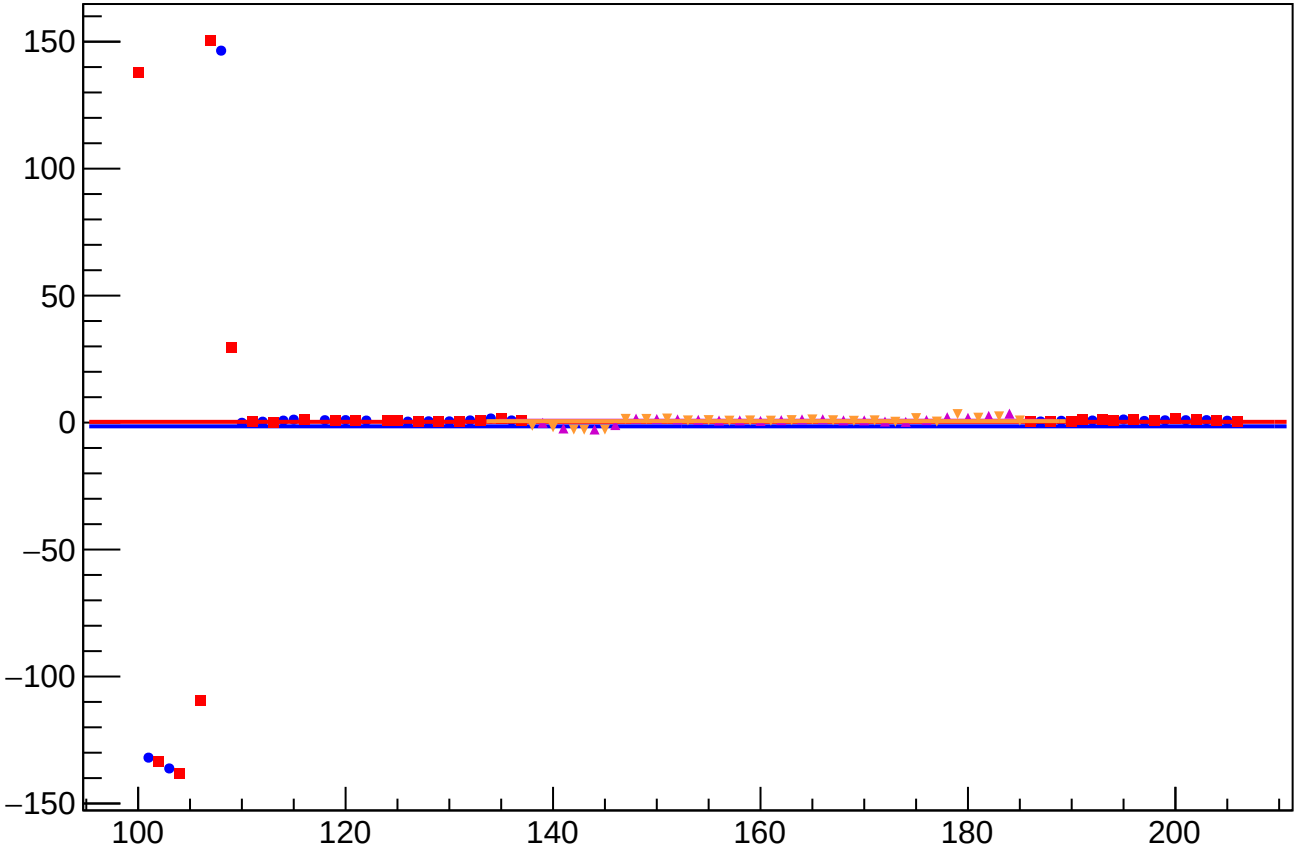
Right: 0.003+/-0.000 χ^2/NDF: 46691173.7/55

In: 0.003+/-0.000 χ^2/NDF:52840176.7/47

Out: 0.003+/-0.000 χ^2/NDF:58210469.0/55

All: 0.003+/-0.000 χ^2/NDF: 111050994.8/103

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.478+/-0.000 χ^2/NDF: 9901783067.2/24

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.296+/-0.000 χ^2/NDF: 3612922074.3/30

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

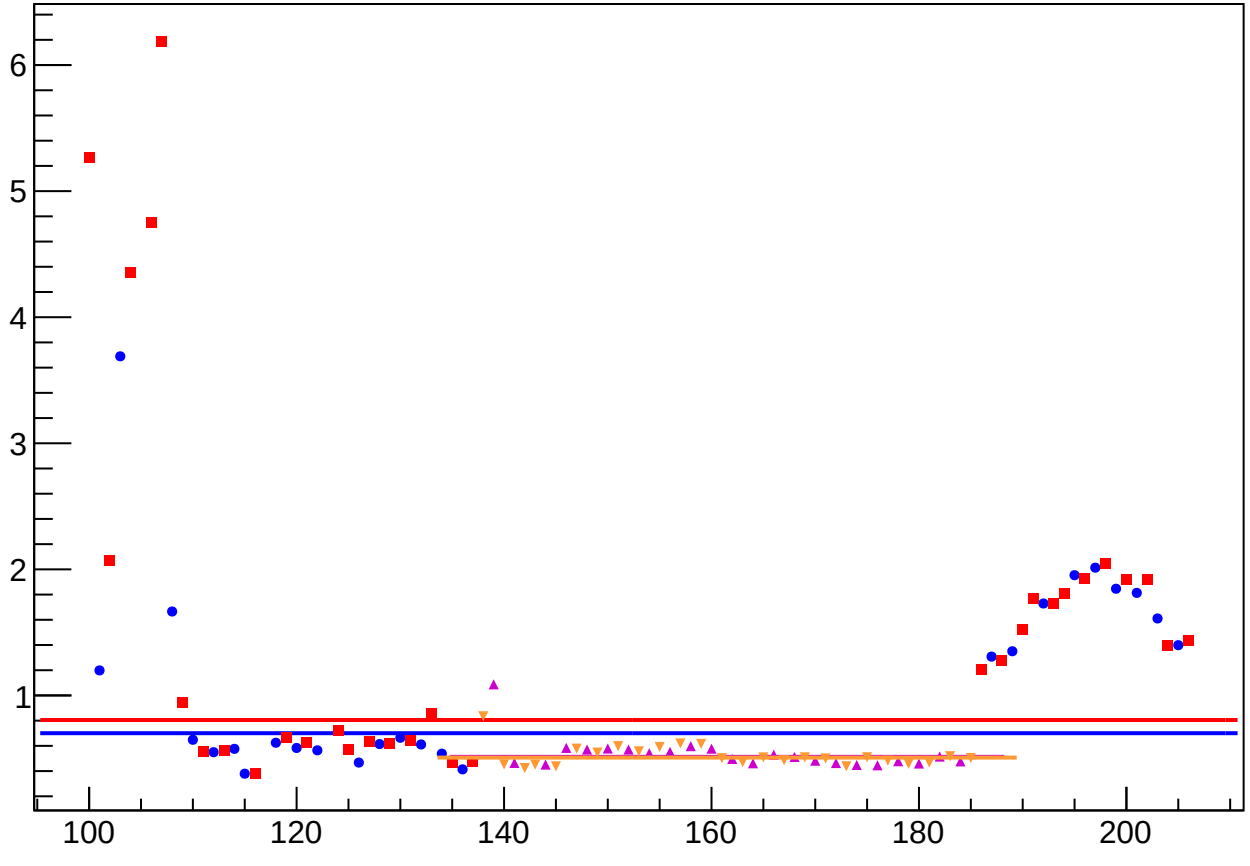
Right: -0.636+/-0.000 χ^2/NDF: 13542368362.1/55

In: 0.184+/-0.000 χ^2/NDF:10074872833.0/47

Out: 0.515+/-0.000 χ^2/NDF:3768304208.4/55

All: 0.352+/-0.000 χ^2/NDF: 13847347124.9/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.700+/-0.000 χ^2/NDF: 6839589.3/24

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.805+/-0.000 χ^2/NDF: 8115743.0/30

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

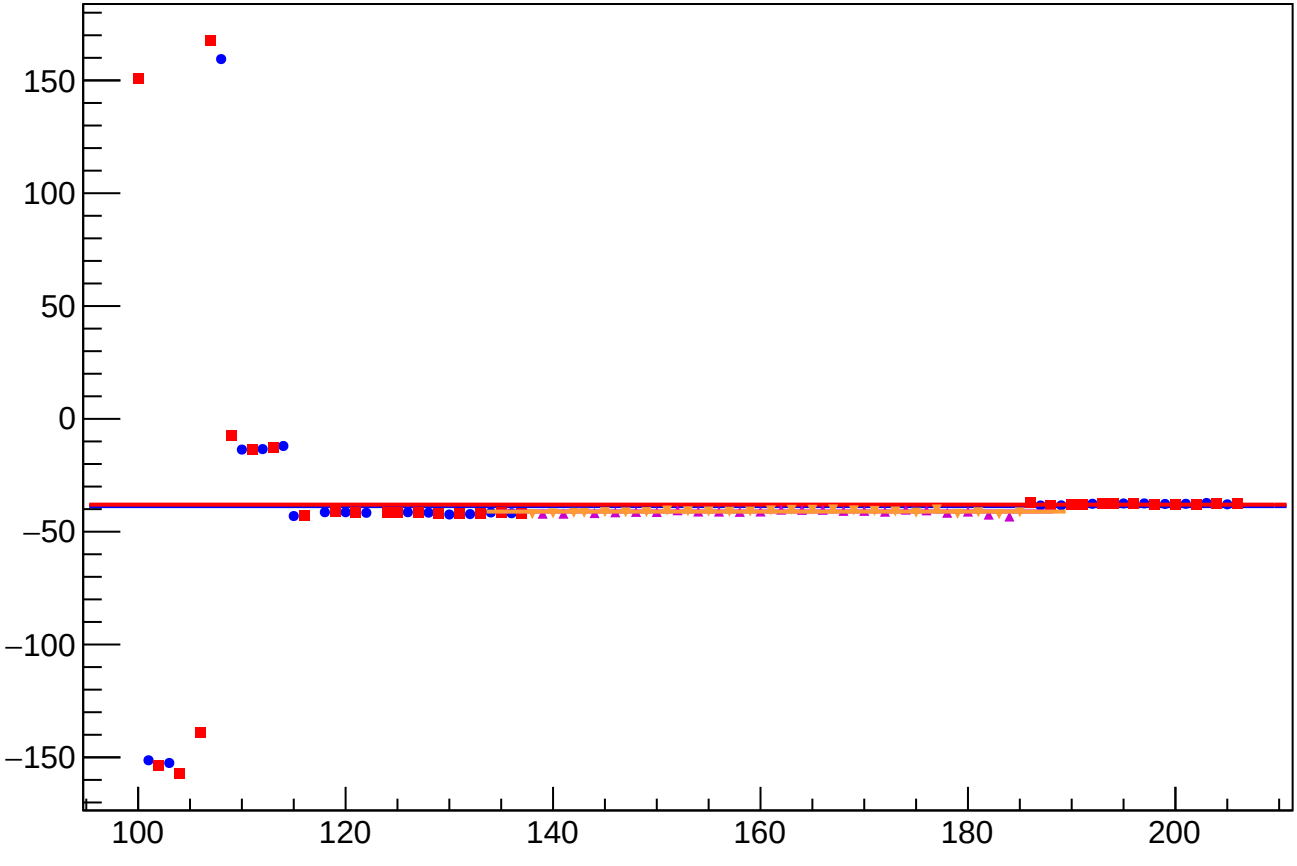
Right: 0.750+/-0.000 χ^2/NDF: 15147216.5/55

In: 0.559+/-0.000 χ^2/NDF:8572730.5/47

Out: 0.571+/-0.000 χ^2/NDF:11000238.6/55

All: 0.565+/-0.000 χ^2/NDF: 19583688.4/103

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.665+/-0.000 χ^2/NDF: 3596978722.4/24

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.005+/-0.000 χ^2/NDF: 2512954585.2/30

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

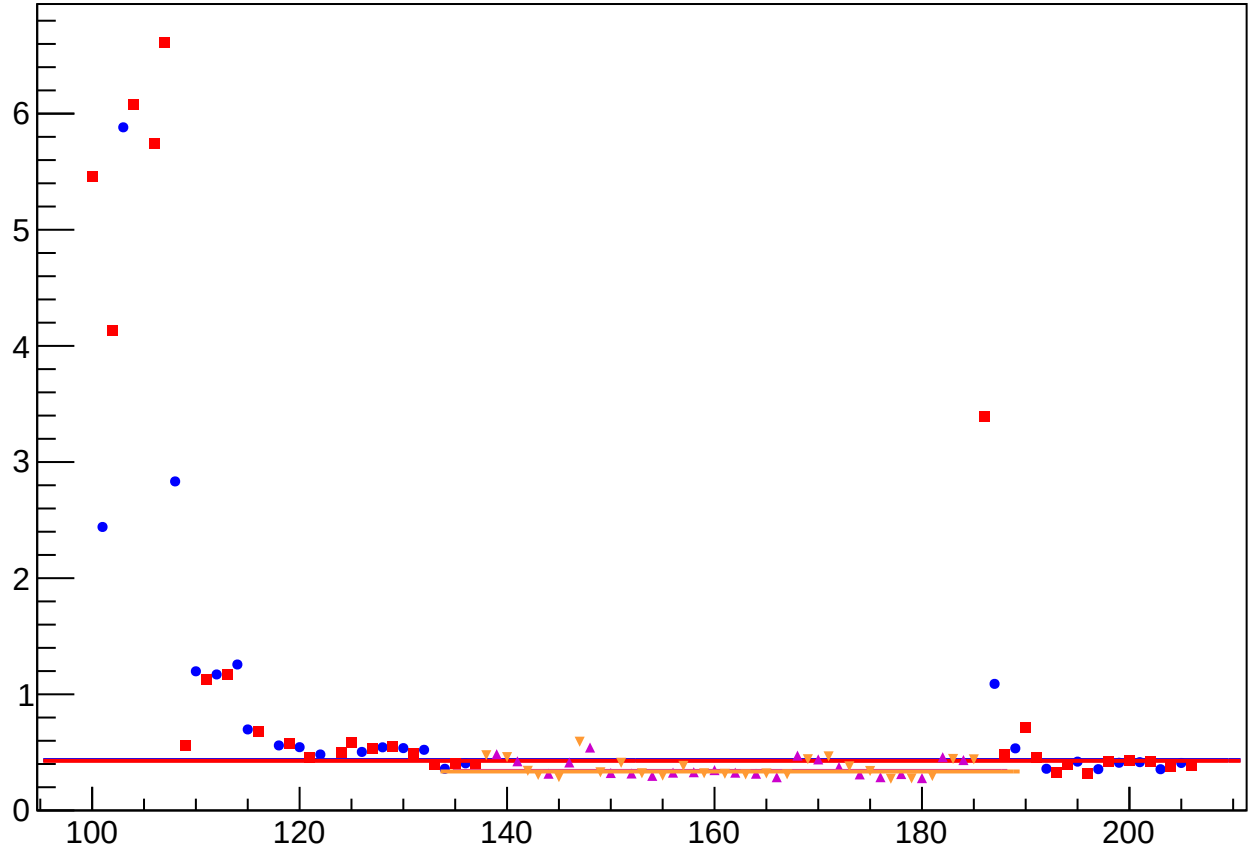
Right: -38.307+/-0.000 χ^2/NDF: 6123777413.8/55

In: -40.348+/-0.000 χ^2/NDF:3881988525.4/47

Out: -40.148+/-0.000 χ^2/NDF:3032023922.3/55

All: -40.243+/-0.000 χ^2/NDF: 6918304896.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.434+/-0.000 χ^2/NDF: 3648310.0/24

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF: 4676899.2/30

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

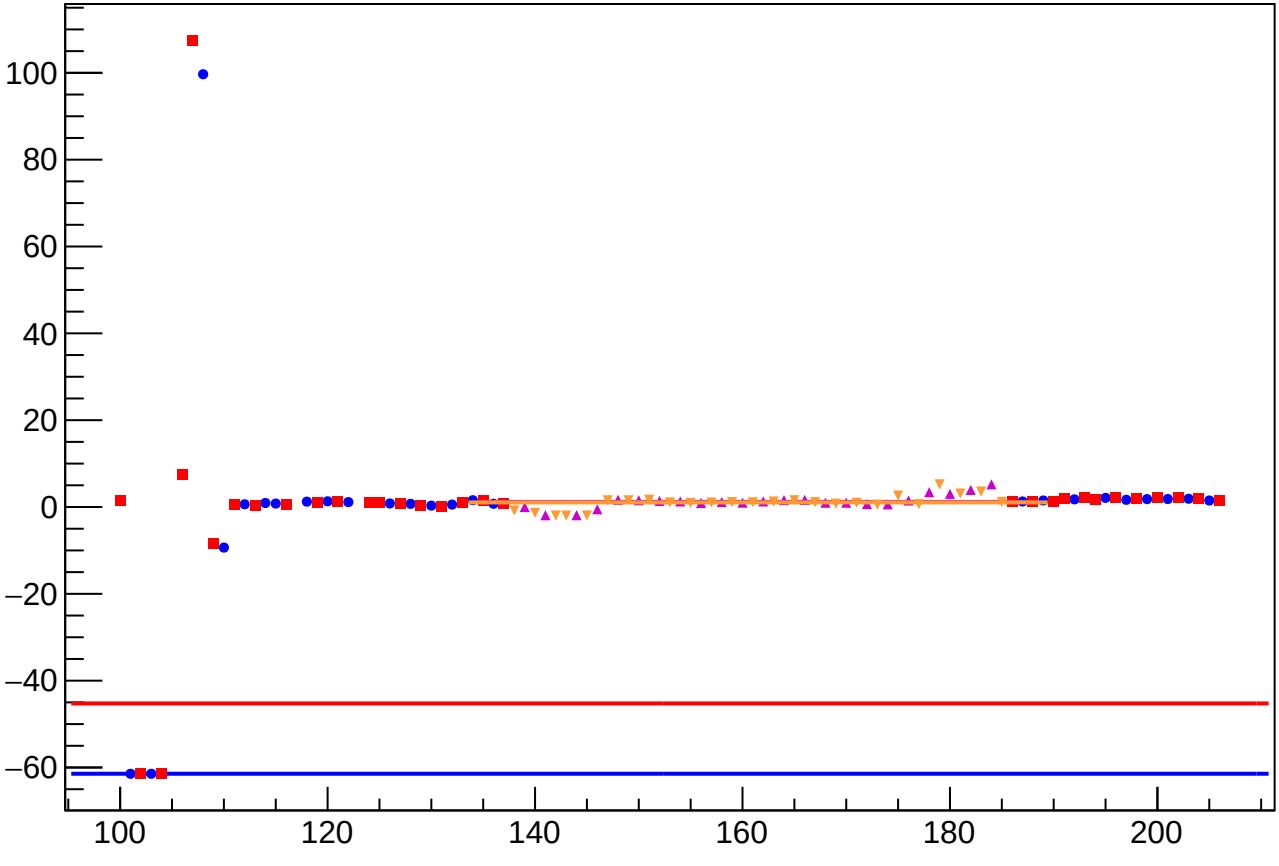
Right: 0.430+/-0.000 χ^2/NDF: 8328092.4/55

In: 0.367+/-0.000 χ^2/NDF:5448366.2/47

Out: 0.364+/-0.000 χ^2/NDF:6722982.0/55

All: 0.365+/-0.000 χ^2/NDF: 12174108.8/103

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 286101897762.4/24

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578801063035 36.5/30

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

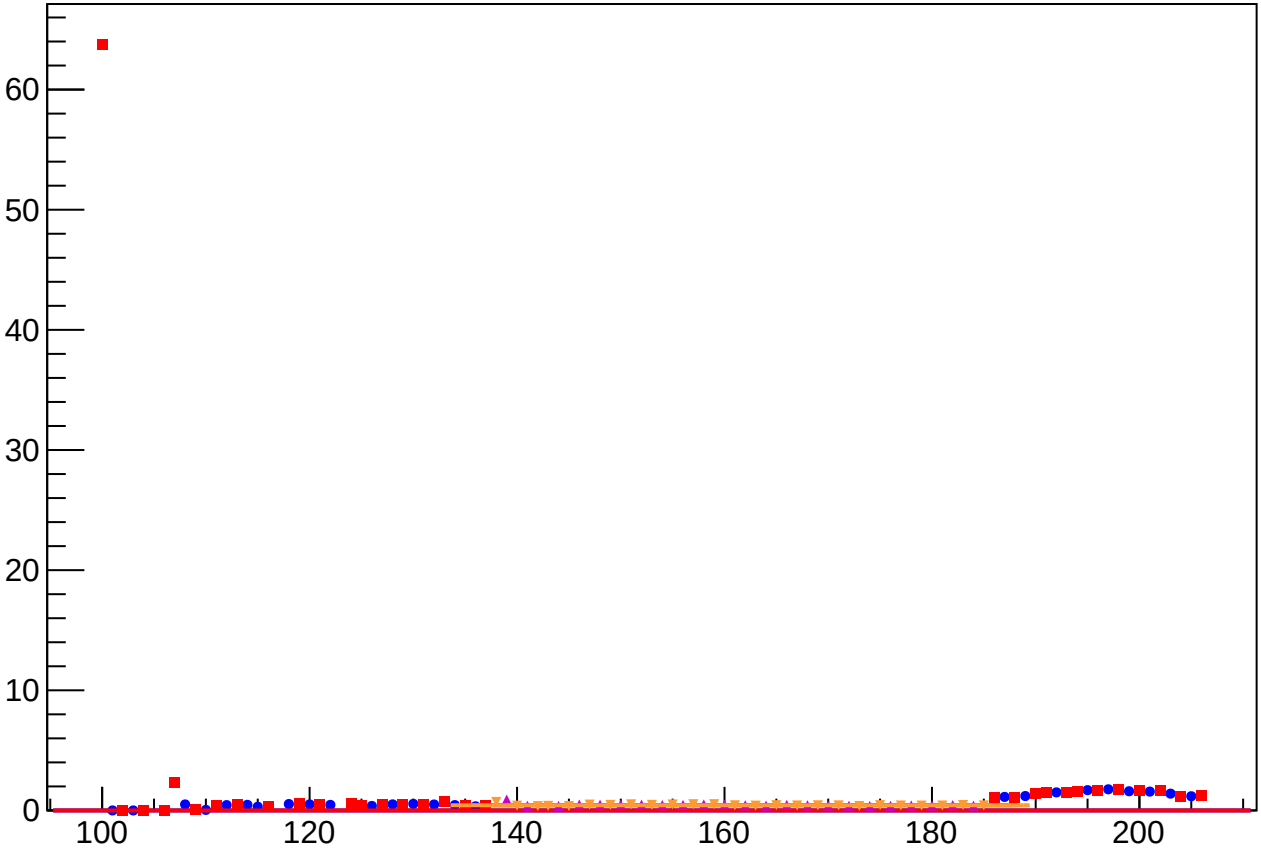
Right: -52.749+/-0.000 χ^2/NDF: 409144447510711

In: -61.422+/-0.000 χ^2/NDF:588963590682.4/47

Out: -45.235+/-0.000 χ^2/NDF:358061386762378.9

All: -52.737+/-0.000 χ^2/NDF: 409613855202

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 22416513.1/24

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 26698431.4/30

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

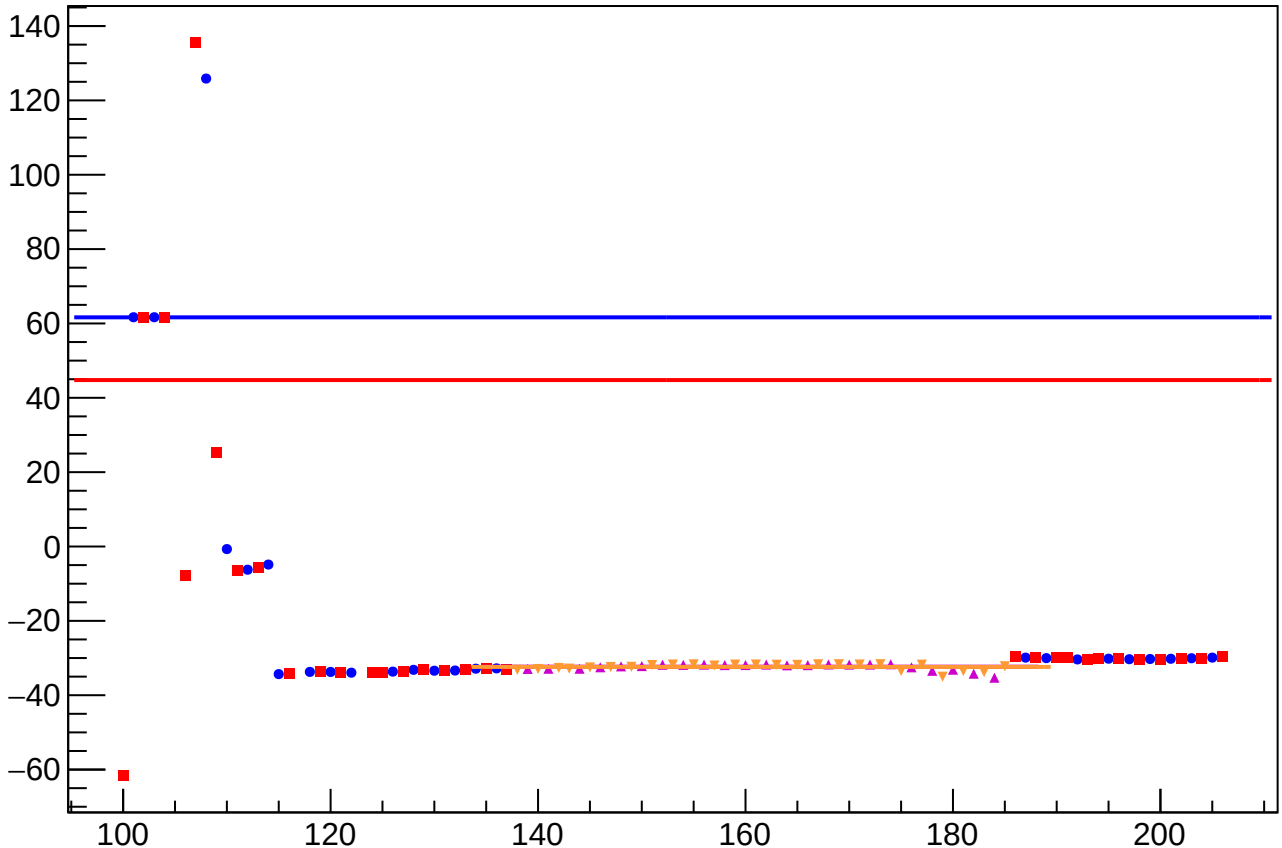
Right: 0.001+/-0.000 χ^2/NDF: 49114944.5/55

In: 0.002+/-0.000 χ^2/NDF:52556989.1/47

Out: 0.002+/-0.000 χ^2/NDF:58463413.4/55

All: 0.002+/-0.000 χ^2/NDF: 111020420.4/103

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.646+/-0.000 χ^2/NDF: 870296797139.0/24

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.771+/-0.000 χ^2/NDF: 366505425775610.6/30

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

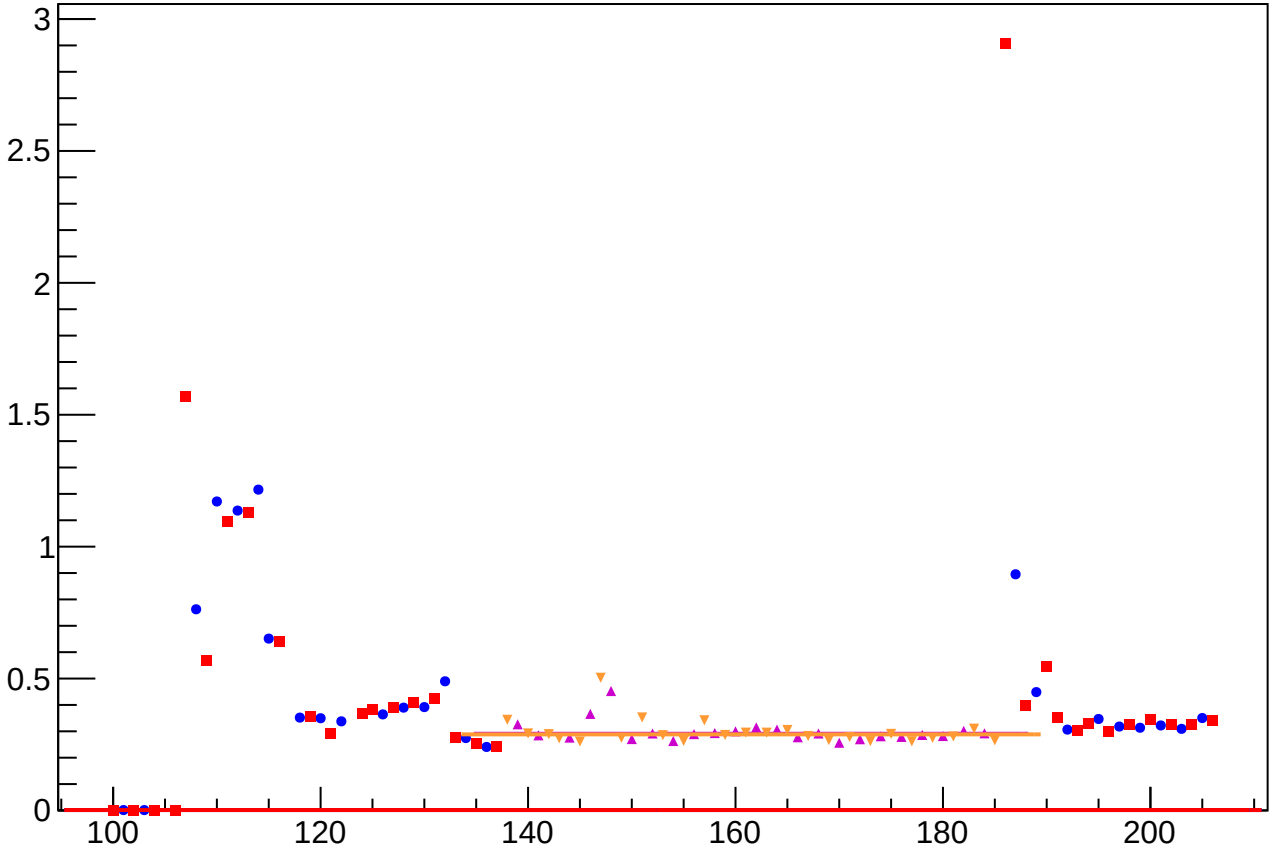
Right: 52.673+/-0.000 χ^2/NDF: 418477731695053.3

In: 61.588+/-0.000 χ^2/NDF:2693548595319.3/47

Out: 44.727+/-0.000 χ^2/NDF:367823531550333.8

All: 52.623+/-0.000 χ^2/NDF: 421571335120

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 24028069.5/24

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 27627494.7/30

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

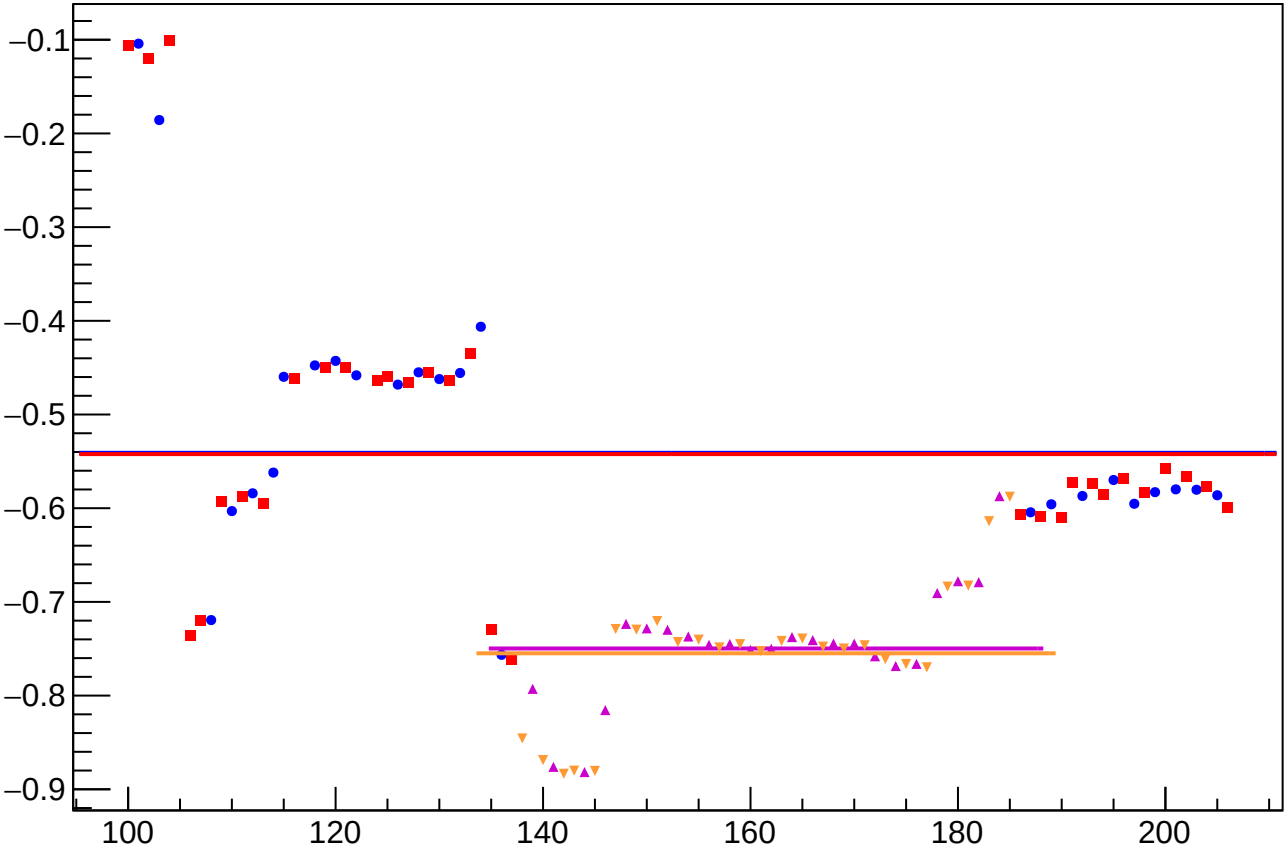
Right: 0.002+/-0.000 χ^2/NDF: 51655787.6/55

In: 0.002+/-0.000 χ^2/NDF:58924678.6/47

Out: 0.002+/-0.000 χ^2/NDF:64572721.0/55

All: 0.002+/-0.000 χ^2/NDF: 123497467.9/103

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.541+/-0.000 χ^2/NDF: 304436929.5/24

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.542+/-0.000 χ^2/NDF: 220280502.6/30

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

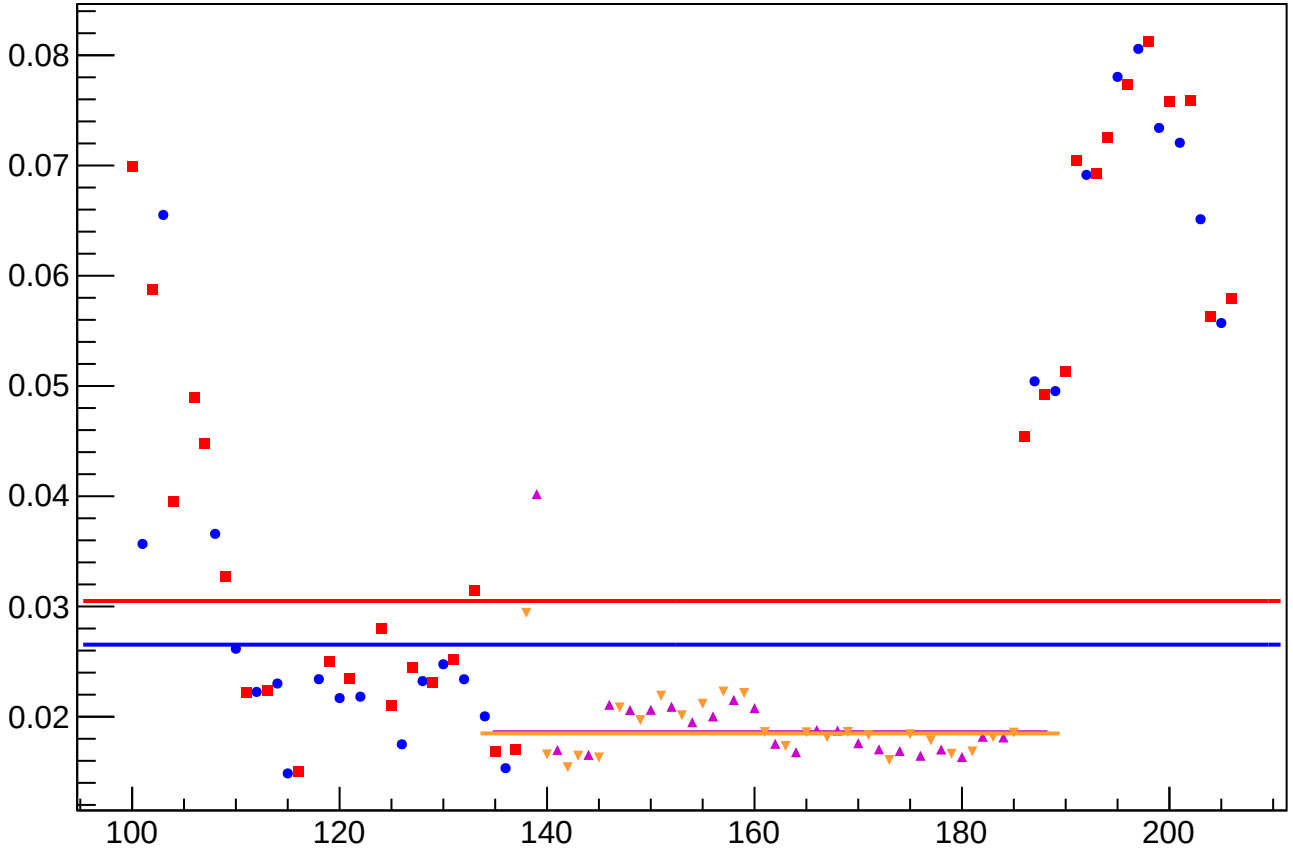
Right: -0.542+/-0.000 χ^2/NDF: 524729158.6/55

In: -0.700+/-0.000 χ^2/NDF:883104992.7/47

Out: -0.710+/-0.000 χ^2/NDF:867302755.9/55

All: -0.705+/-0.000 χ^2/NDF: 1753149889.7/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 6640989.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7180267.3/30

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

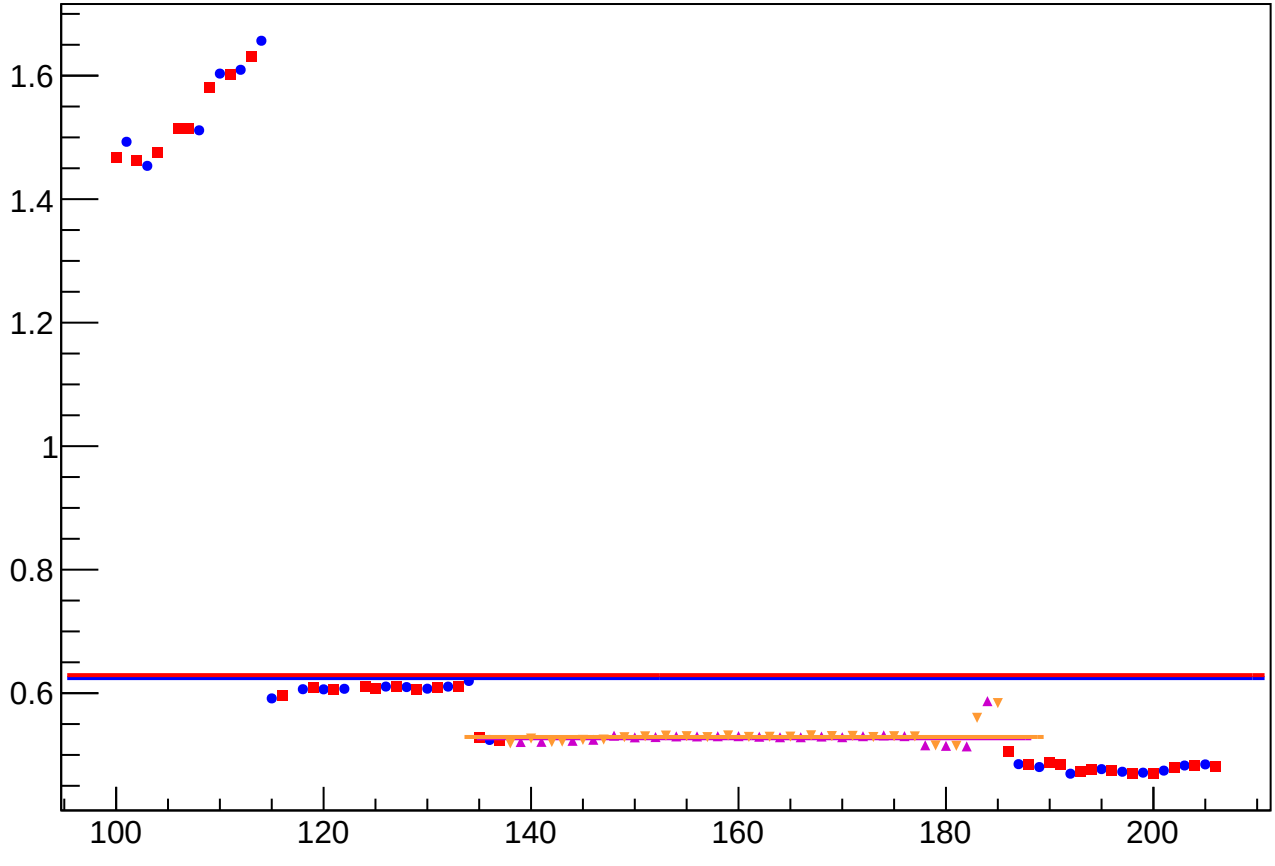
Right: 0.028+/-0.000 χ^2/NDF: 14019293.6/55

In: 0.020+/-0.000 χ^2/NDF:8646887.0/47

Out: 0.021+/-0.000 χ^2/NDF:10444192.3/55

All: 0.021+/-0.000 χ^2/NDF: 19107448.4/103

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.624+/-0.000 χ^2/NDF: 5501933615.4/24

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.629+/-0.000 χ^2/NDF: 6545597247.8/30

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

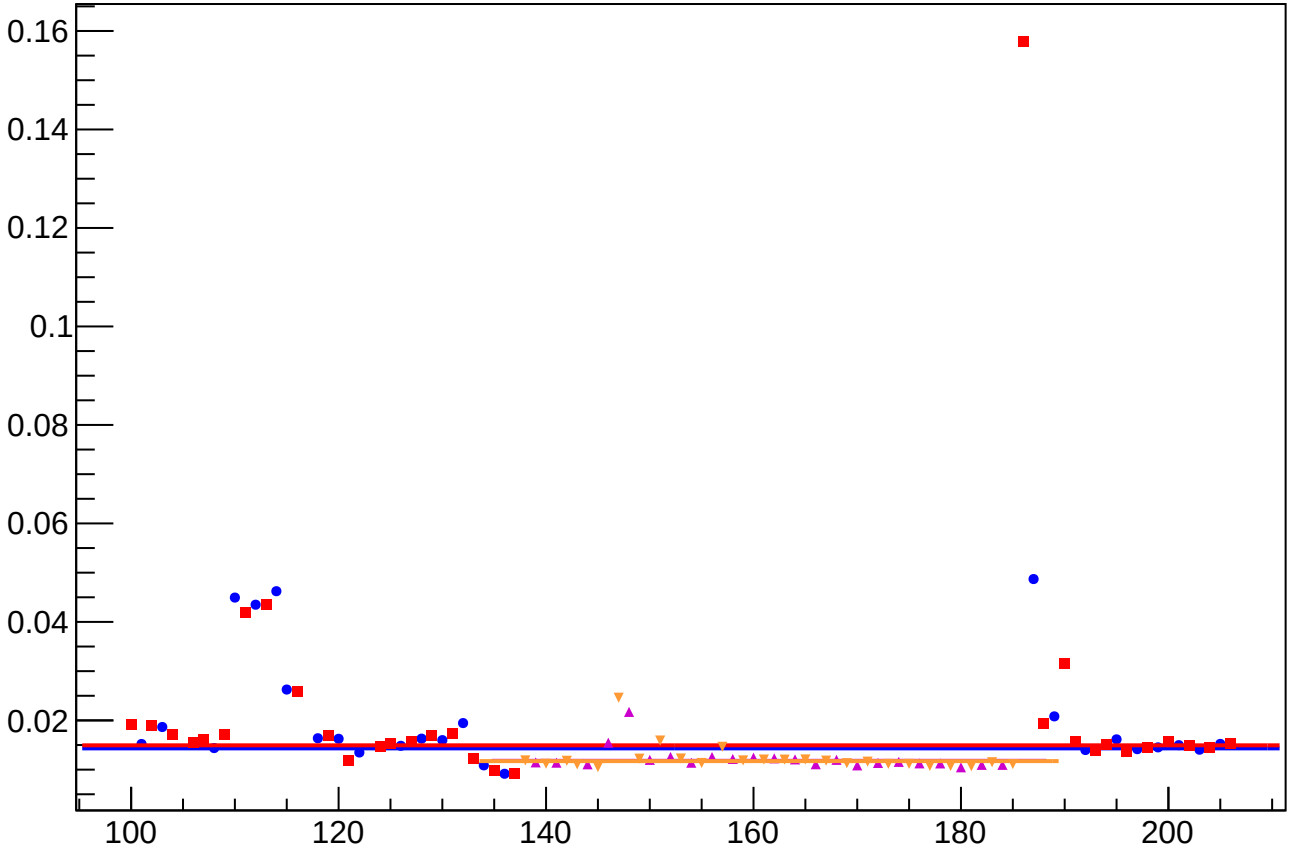
Right: 0.627+/-0.000 χ^2/NDF: 12048247389.0/55

In: 0.558+/-0.000 χ^2/NDF:5901360987.3/47

Out: 0.561+/-0.000 χ^2/NDF:6998434326.9/55

All: 0.560+/-0.000 χ^2/NDF: 12900720121.4/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1969583.6/24

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2385029.7/30

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

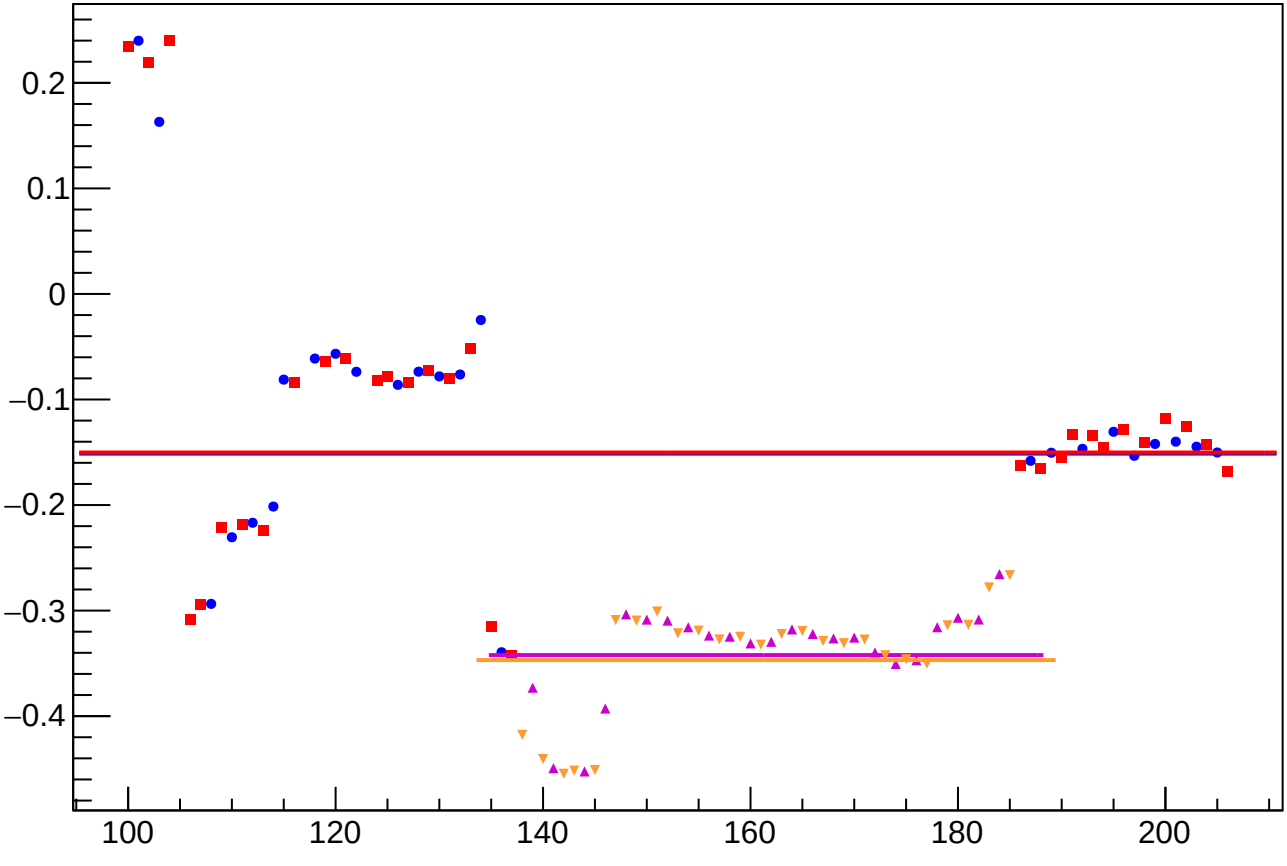
Right: 0.015+/-0.000 χ^2/NDF: 4378392.7/55

In: 0.013+/-0.000 χ^2/NDF:3010564.6/47

Out: 0.013+/-0.000 χ^2/NDF:3979227.2/55

All: 0.013+/-0.000 χ^2/NDF: 6995074.9/103

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276912574.0/24

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 200054316.2/30

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

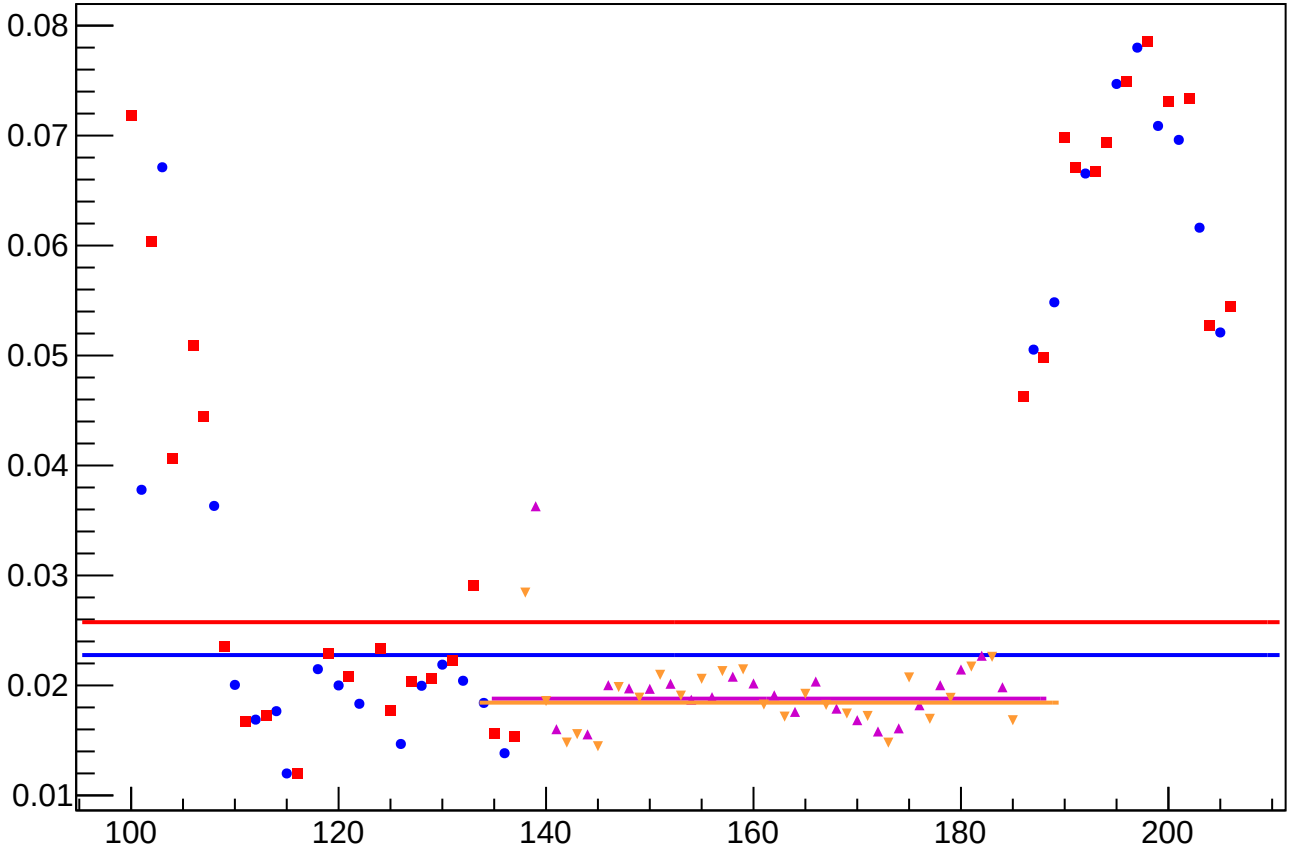
Right: -0.151+/-0.000 χ^2/NDF: 476974892.6/55

In: -0.288+/-0.000 χ^2/NDF:808069441.2/47

Out: -0.297+/-0.000 χ^2/NDF:785940016.6/55

All: -0.292+/-0.000 χ^2/NDF: 1596609844.7/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 7570665.7/24

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8663632.7/30

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

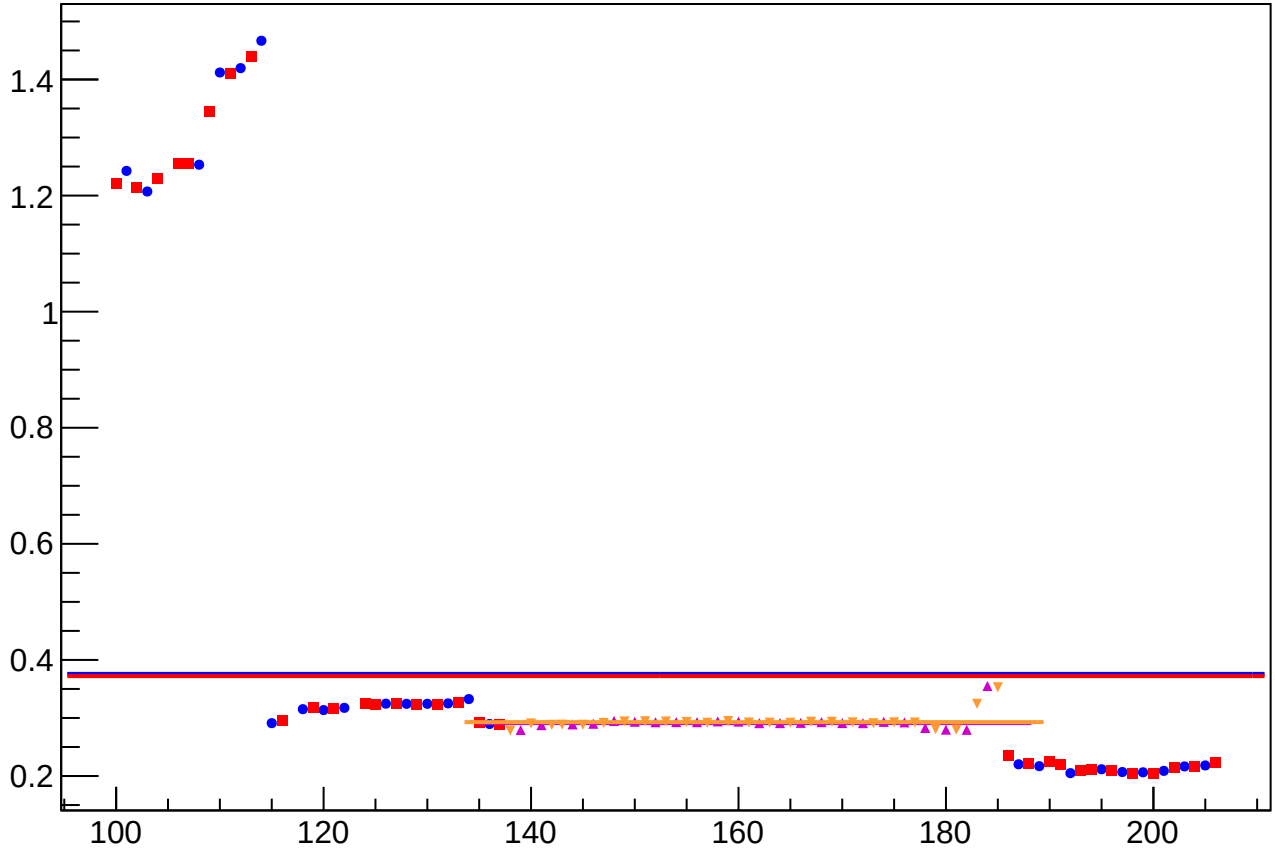
Right: 0.024+/-0.000 χ^2/NDF: 16381566.1/55

In: 0.020+/-0.000 χ^2/NDF:8671089.4/47

Out: 0.020+/-0.000 χ^2/NDF:10576893.5/55

All: 0.020+/-0.000 χ^2/NDF: 19256252.0/103

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.376+/-0.000 χ^2/NDF: 8155333112.3/24

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.372+/-0.000 χ^2/NDF: 9237645200.8/30

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

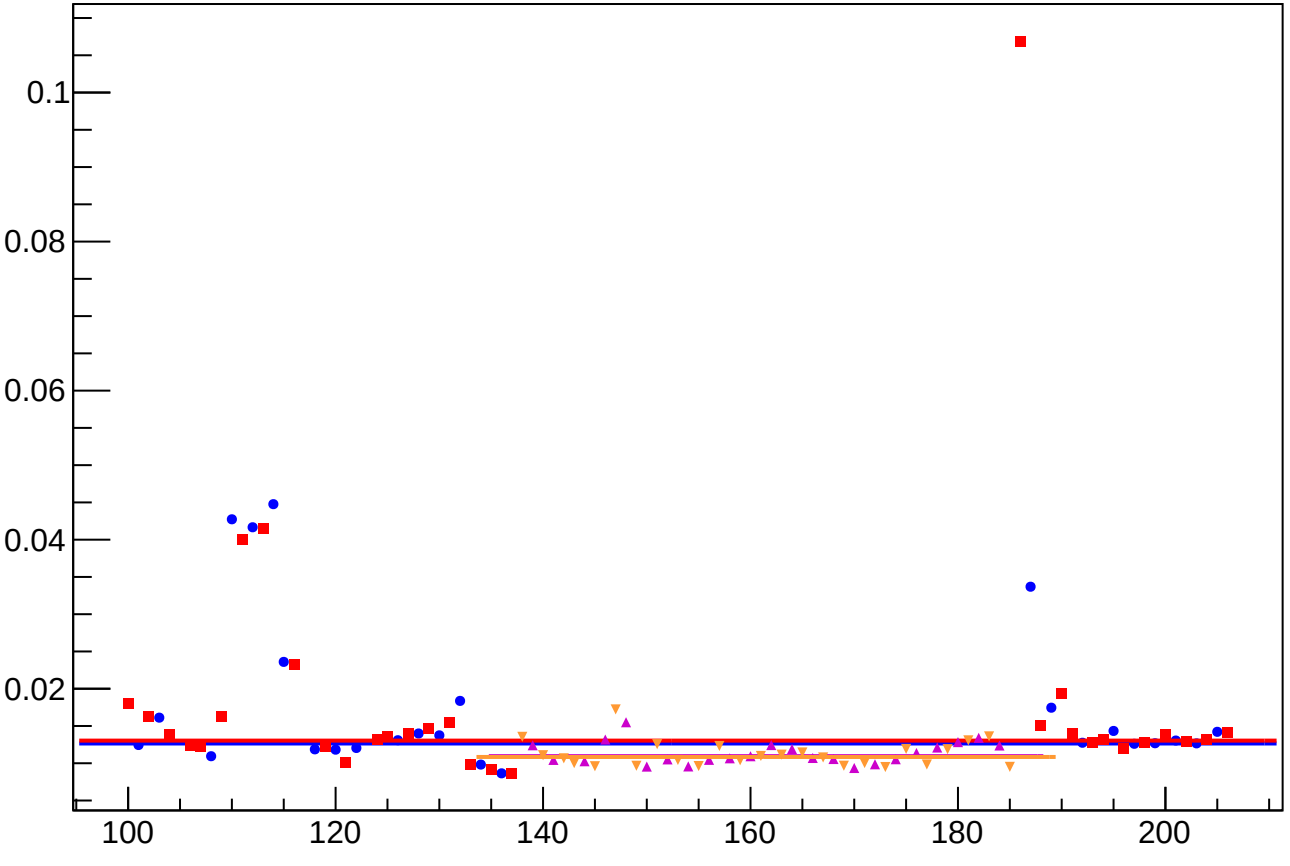
Right: 0.374+/-0.000 χ^2/NDF: 17393568580.5/55

In: 0.321+/-0.000 χ^2/NDF:8527778405.0/47

Out: 0.321+/-0.000 χ^2/NDF:9599115342.5/55

All: 0.321+/-0.000 χ^2/NDF: 18126893756.8/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1787402.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2177408.5/30

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

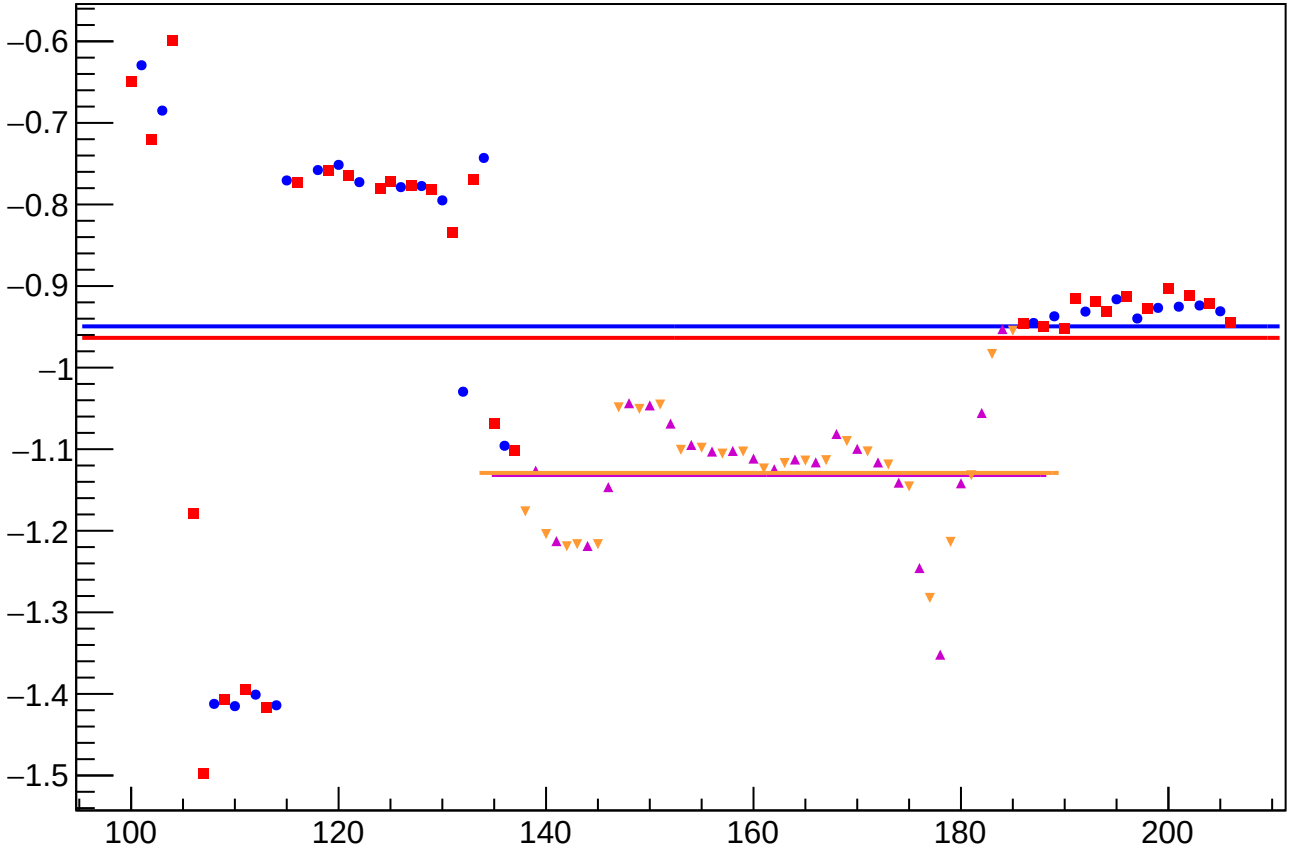
Right: 0.013+/-0.000 χ^2/NDF: 3976878.9/55

In: 0.012+/-0.000 χ^2/NDF:2589222.8/47

Out: 0.012+/-0.000 χ^2/NDF:3358816.1/55

All: 0.012+/-0.000 χ^2/NDF: 5949137.6/103

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.949+/-0.000 χ^2/NDF: 700238692.4/24

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717967953.8/30

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

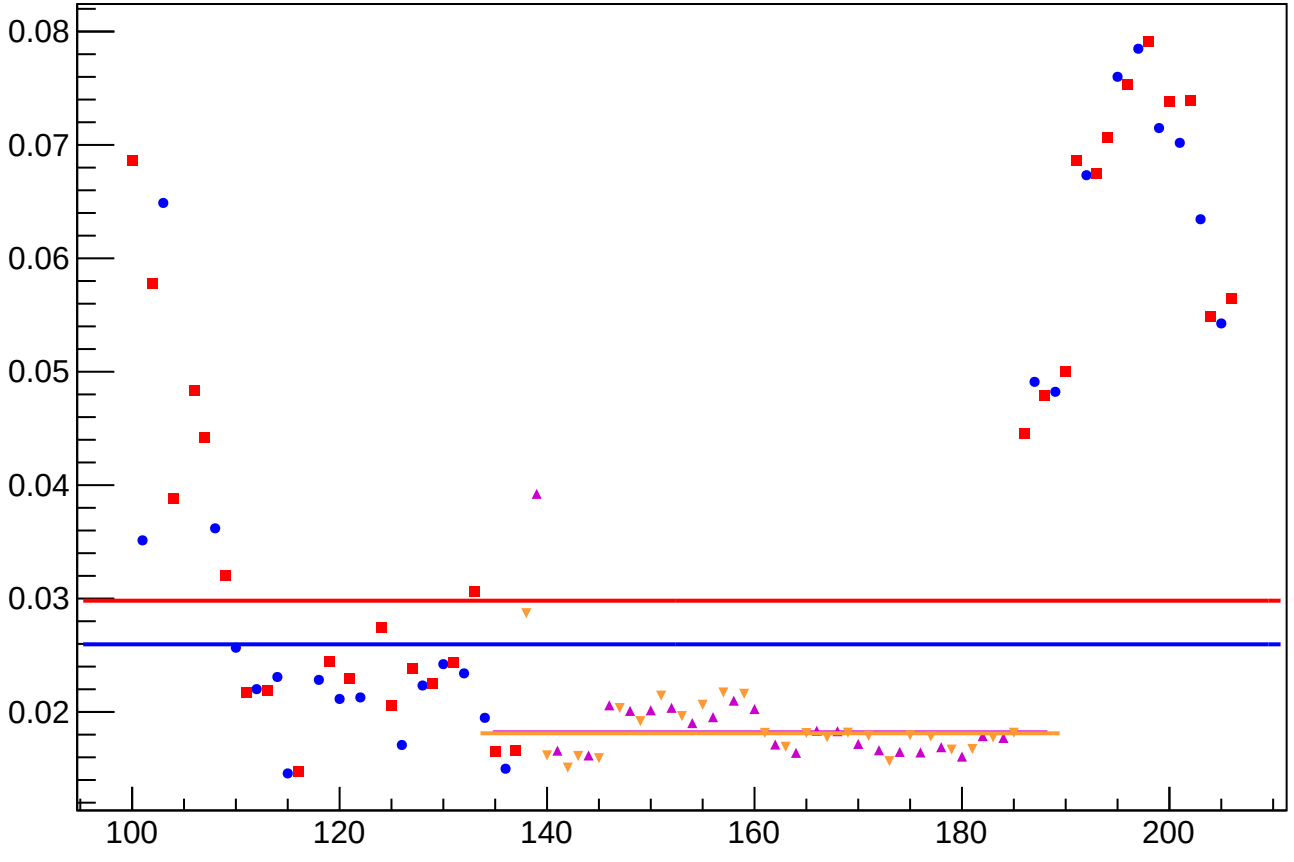
Right: -0.956+/-0.000 χ^2/NDF: 1419518795.6/55

In: -1.089+/-0.000 χ^2/NDF:1308705889.4/47

Out: -1.094+/-0.000 χ^2/NDF:1231309720.5/55

All: -1.091+/-0.000 χ^2/NDF: 2540944336.7/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 6627040.2/24

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7157763.7/30

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

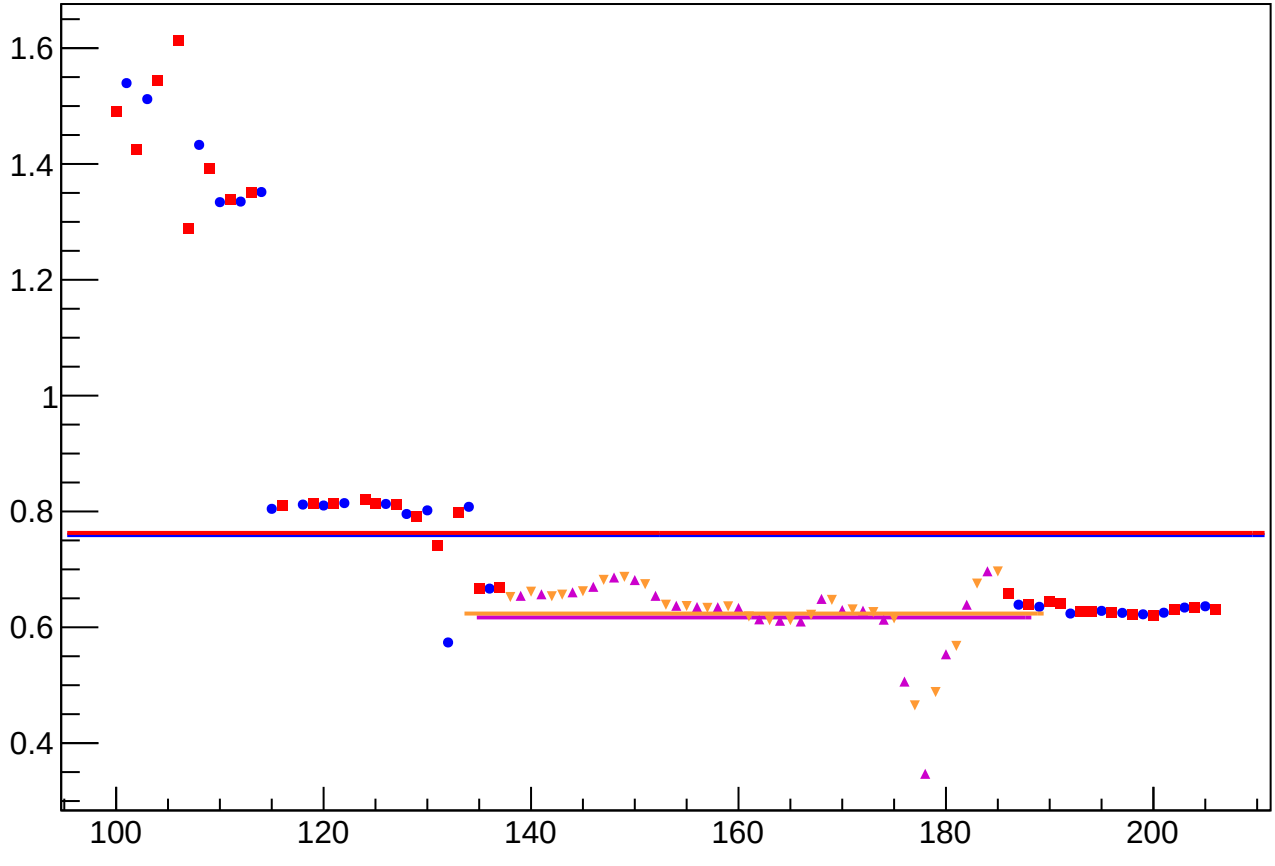
Right: 0.028+/-0.000 χ^2/NDF: 13980435.3/55

In: 0.020+/-0.000 χ^2/NDF:8615551.7/47

Out: 0.021+/-0.000 χ^2/NDF:10376212.0/55

All: 0.020+/-0.000 χ^2/NDF: 19009662.4/103

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 3748636364.6/24

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.763+/-0.000 χ^2/NDF: 4177730294.9/30

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

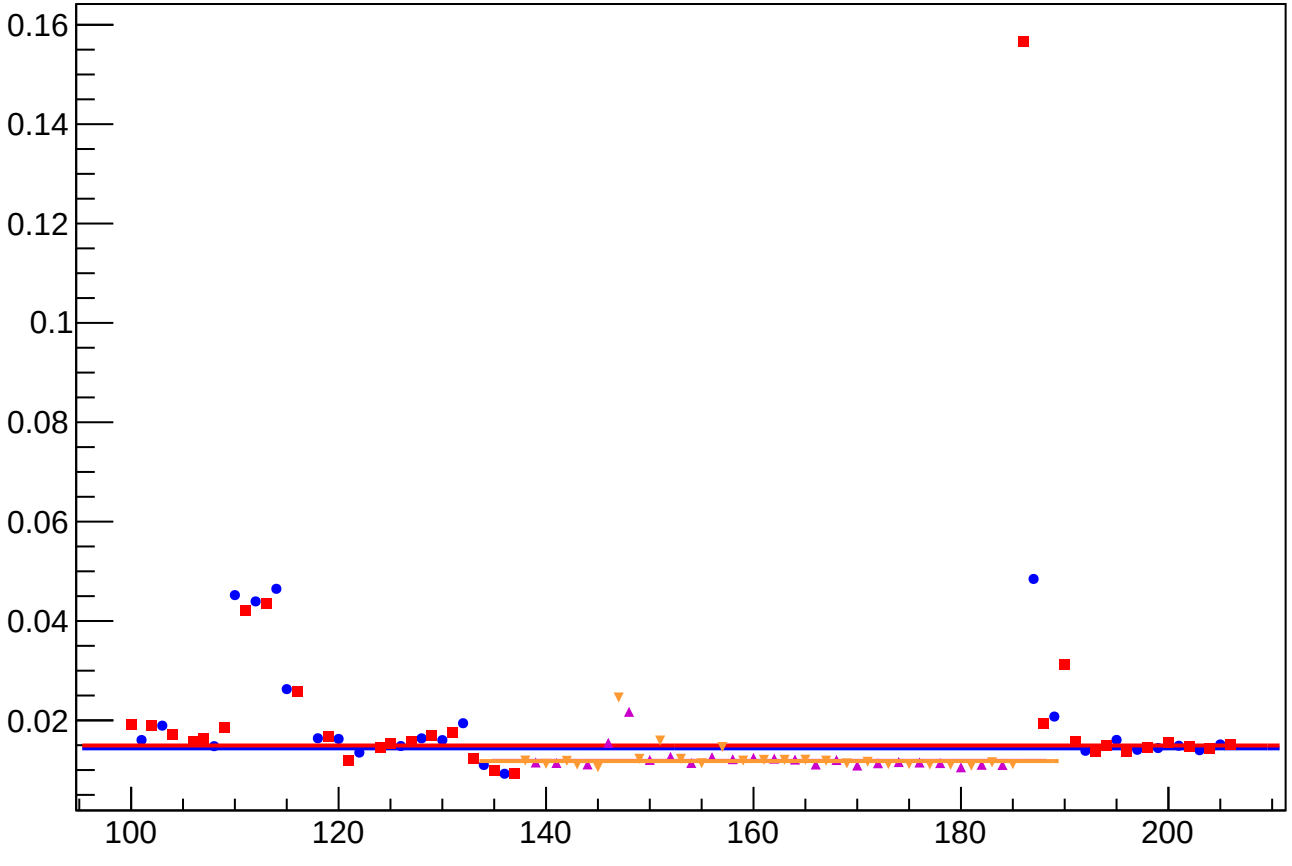
Right: 0.761+/-0.000 χ^2/NDF: 7926813400.1/55

In: 0.663+/-0.000 χ^2/NDF:5210036185.8/47

Out: 0.669+/-0.000 χ^2/NDF:5417171845.7/55

All: 0.666+/-0.000 χ^2/NDF: 10630936330.2/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1952604.0/24

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389671.9/30

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

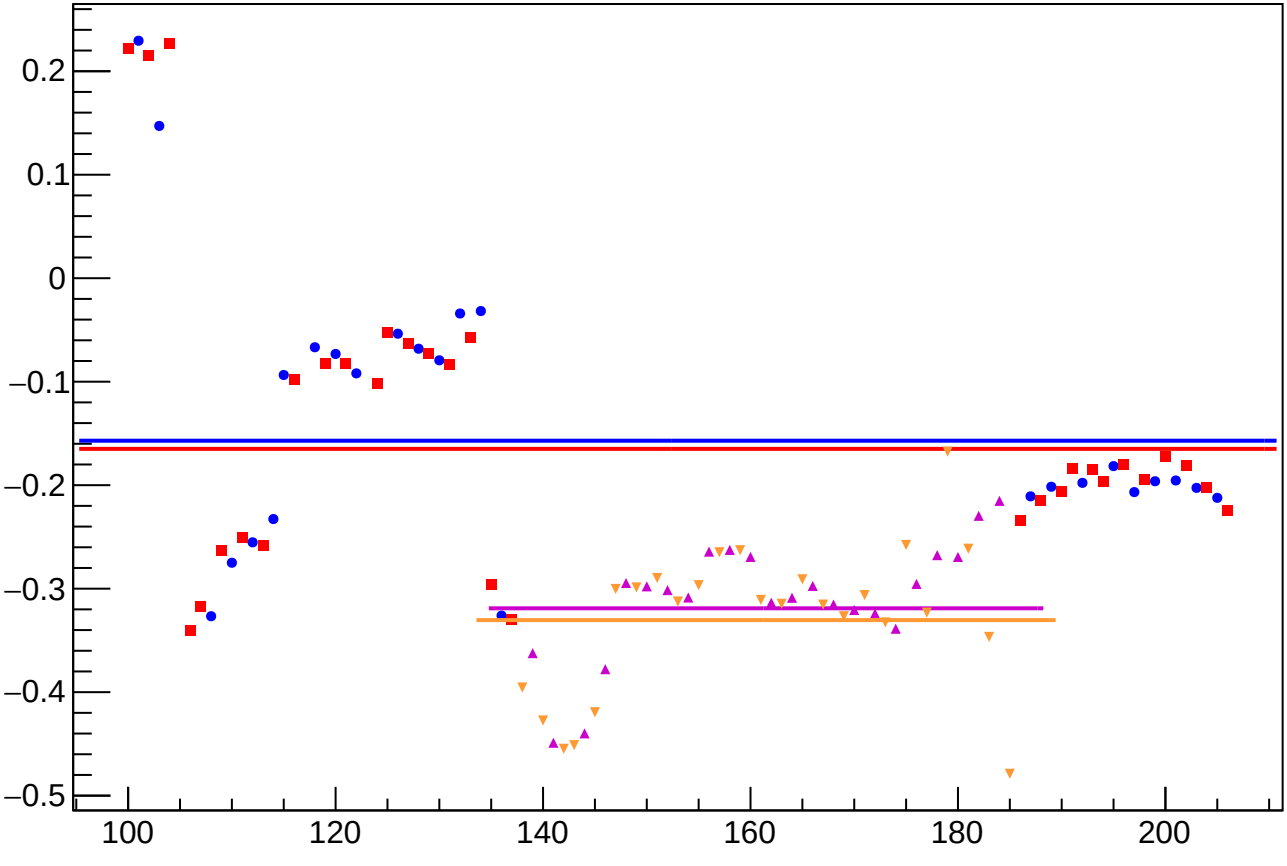
Right: 0.015+/-0.000 χ^2/NDF: 4362599.2/55

In: 0.013+/-0.000 χ^2/NDF:2974872.8/47

Out: 0.013+/-0.000 χ^2/NDF:3913161.9/55

All: 0.013+/-0.000 χ^2/NDF: 6893577.4/103

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.157+/-0.000 χ^2/NDF: 277726544.9/24

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.165+/-0.000 χ^2/NDF: 199948252.4/30

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

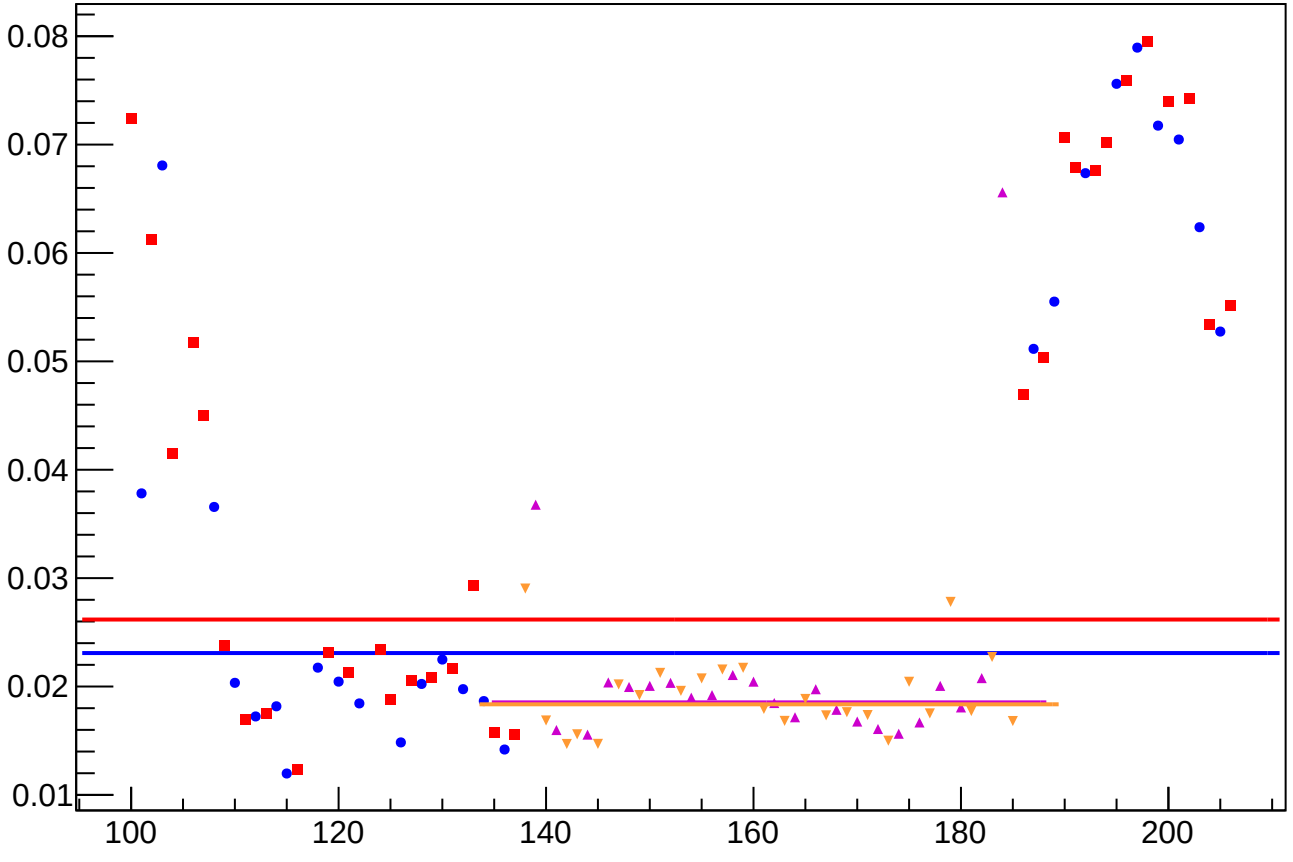
Right: -0.161+/-0.000 χ^2/NDF: 478172981.9/55

In: -0.273+/-0.000 χ^2/NDF:720661988.8/47

Out: -0.289+/-0.000 χ^2/NDF:698820987.7/55

All: -0.281+/-0.000 χ^2/NDF: 1426261861.3/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 7535919.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8613011.4/30

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

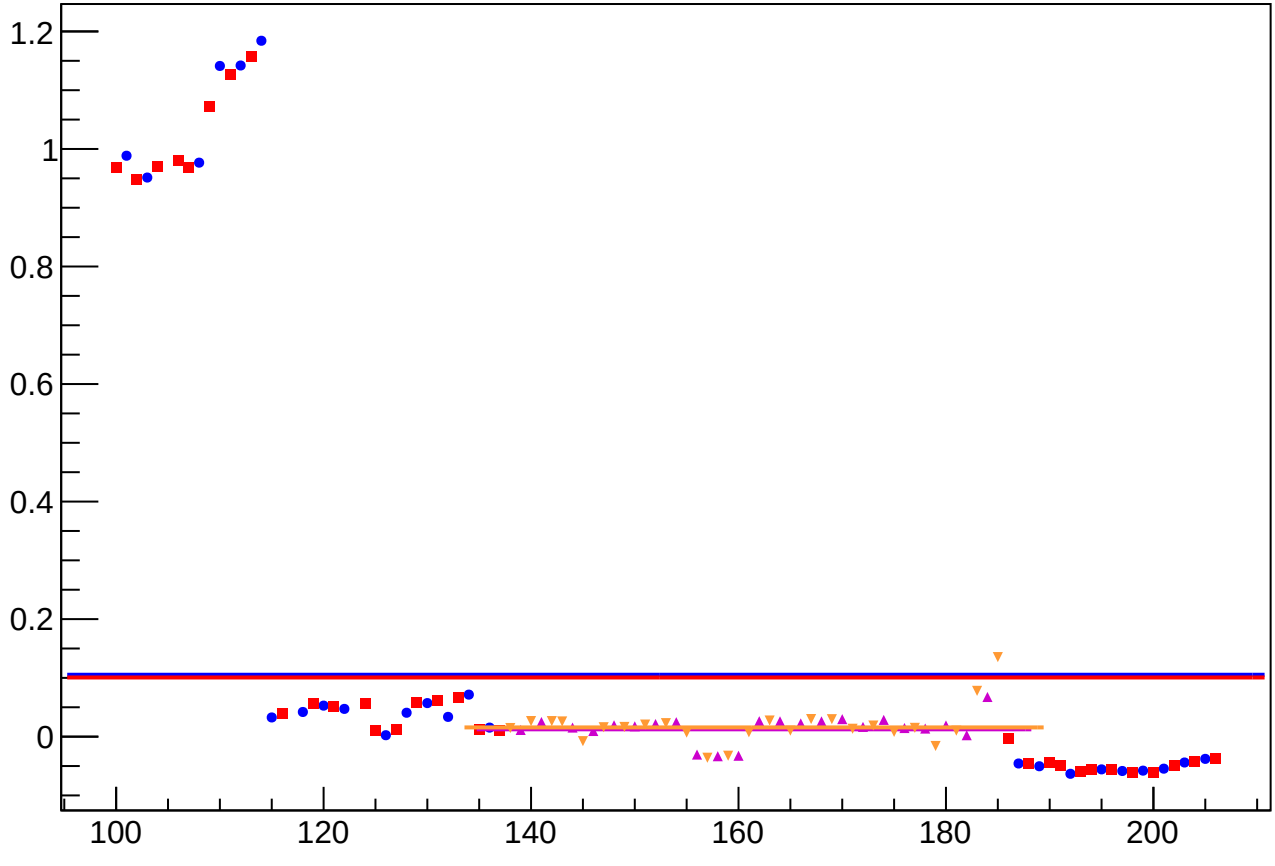
Right: 0.025+/-0.000 χ^2/NDF: 16301896.3/55

In: 0.020+/-0.000 χ^2/NDF:8962921.2/47

Out: 0.020+/-0.000 χ^2/NDF:10763553.9/55

All: 0.020+/-0.000 χ^2/NDF: 19742840.5/103

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.105+/-0.000 χ^2/NDF: 8213940353.5/24

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.101+/-0.000 χ^2/NDF: 9107017066.7/30

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

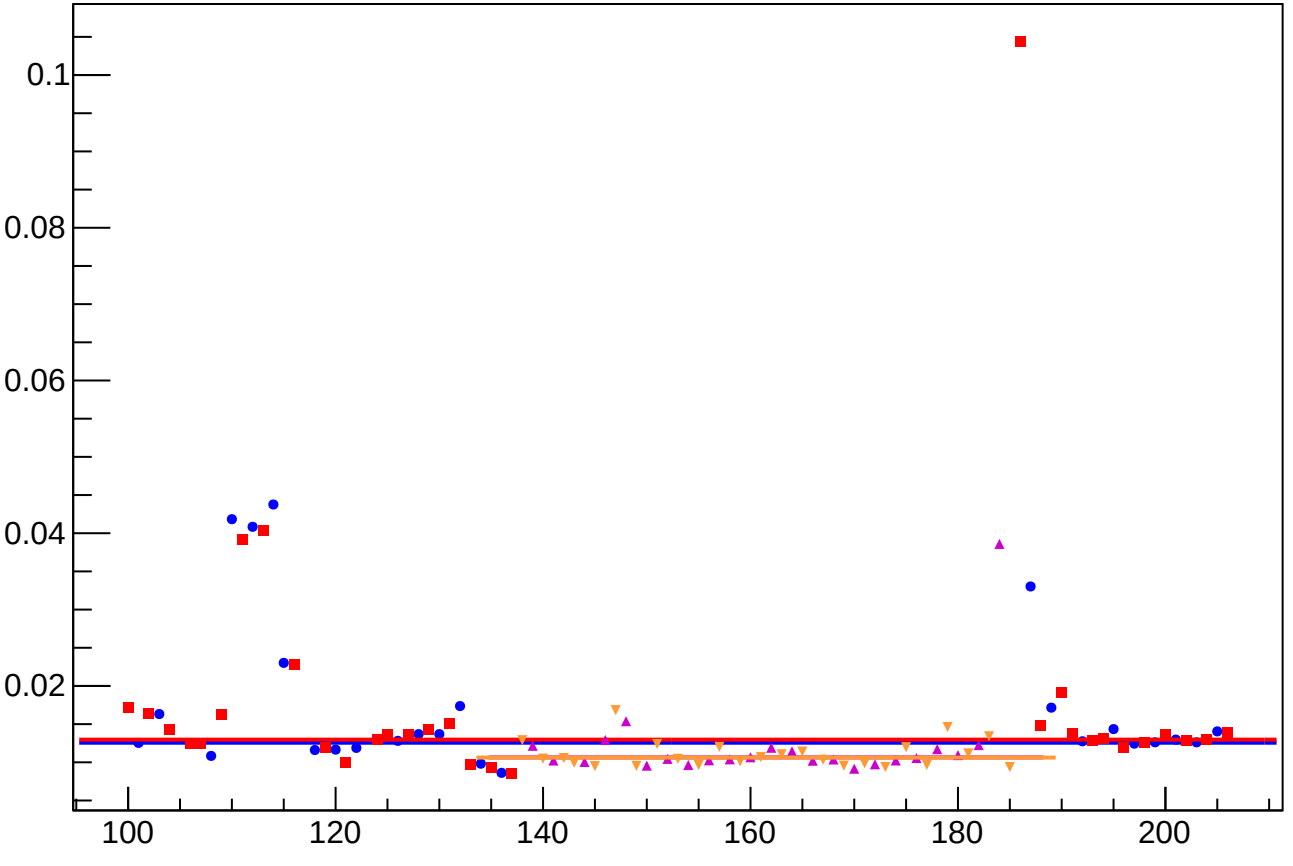
Right: 0.103+/-0.000 χ^2/NDF: 17321836109.1/55

In: 0.044+/-0.000 χ^2/NDF:8716796943.9/47

Out: 0.046+/-0.000 χ^2/NDF:9611936358.7/55

All: 0.045+/-0.000 χ^2/NDF: 18328897616.2/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1751412.8/24

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2120044.5/30

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

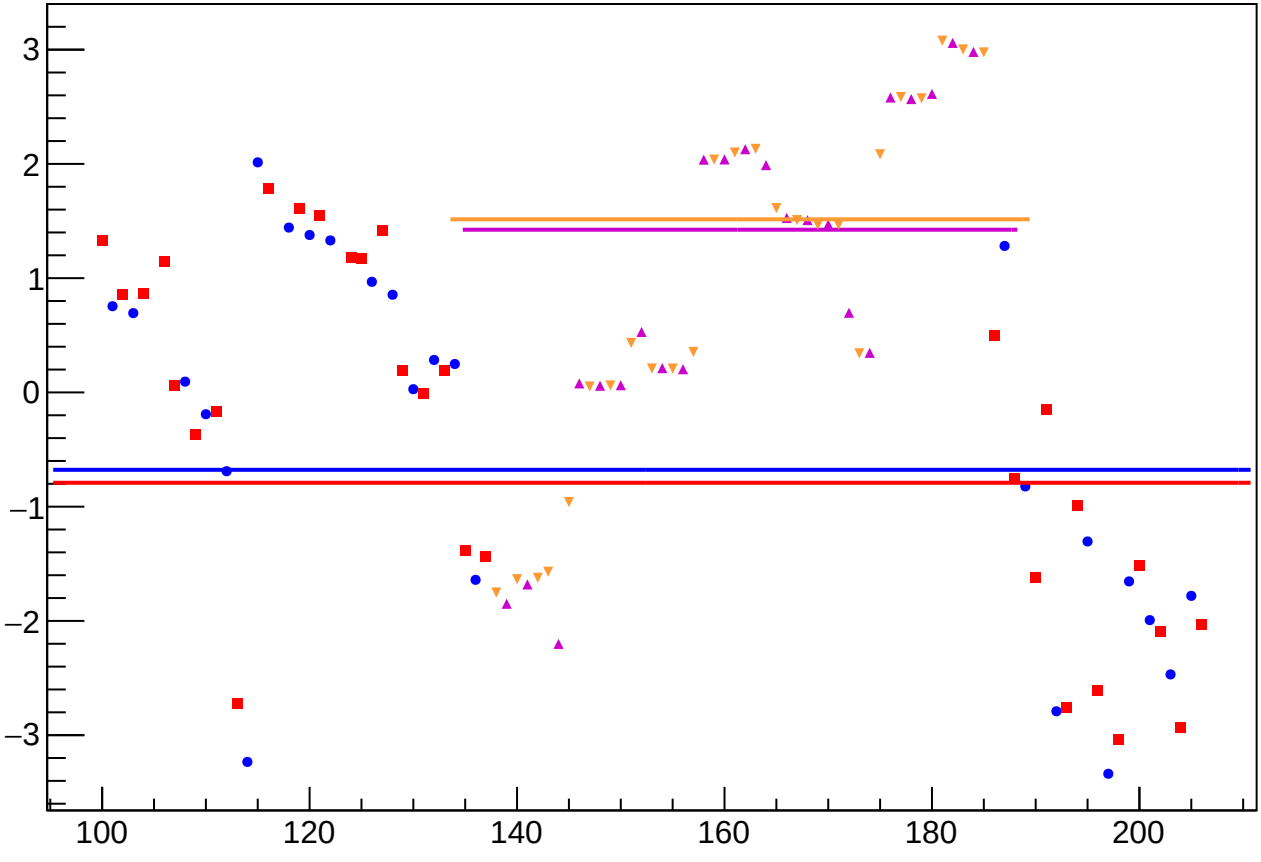
Right: 0.013+/-0.000 χ^2/NDF: 3884684.2/55

In: 0.011+/-0.000 χ^2/NDF:2705129.1/47

Out: 0.011+/-0.000 χ^2/NDF:3353018.2/55

All: 0.011+/-0.000 χ^2/NDF: 6062960.0/103

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.677+/-0.000 χ^2/NDF: 7583350012.6/24

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.791+/-0.000 χ^2/NDF: 8918862604.4/30

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

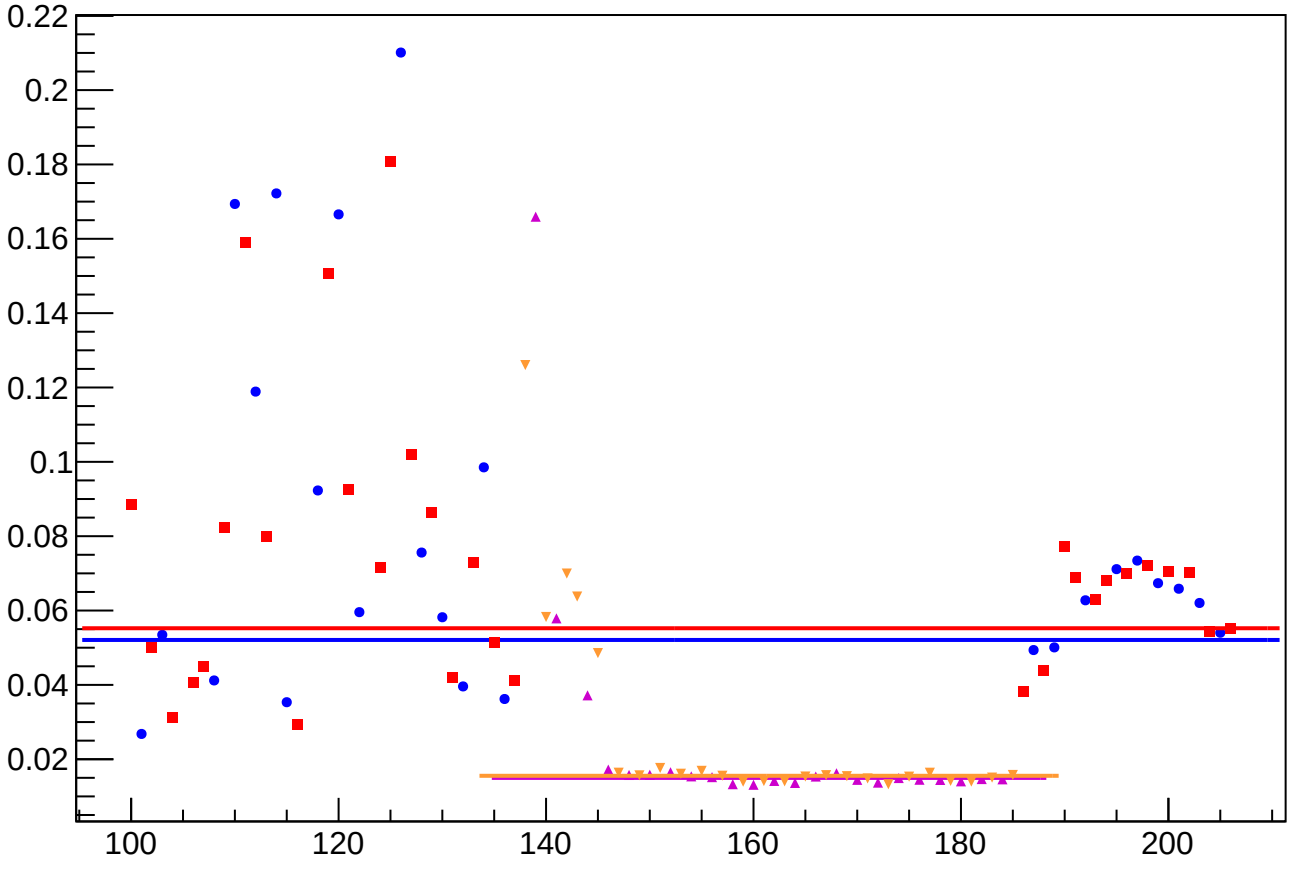
Right: -0.737+/-0.000 χ^2/NDF: 16526939387.7/55

In: 1.308+/-0.000 χ^2/NDF:90781257440.5/47

Out: 1.370+/-0.000 χ^2/NDF:97004388236.3/55

All: 1.339+/-0.000 χ^2/NDF: 187910785828.3

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3553094.1/24

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3141385.1/30

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

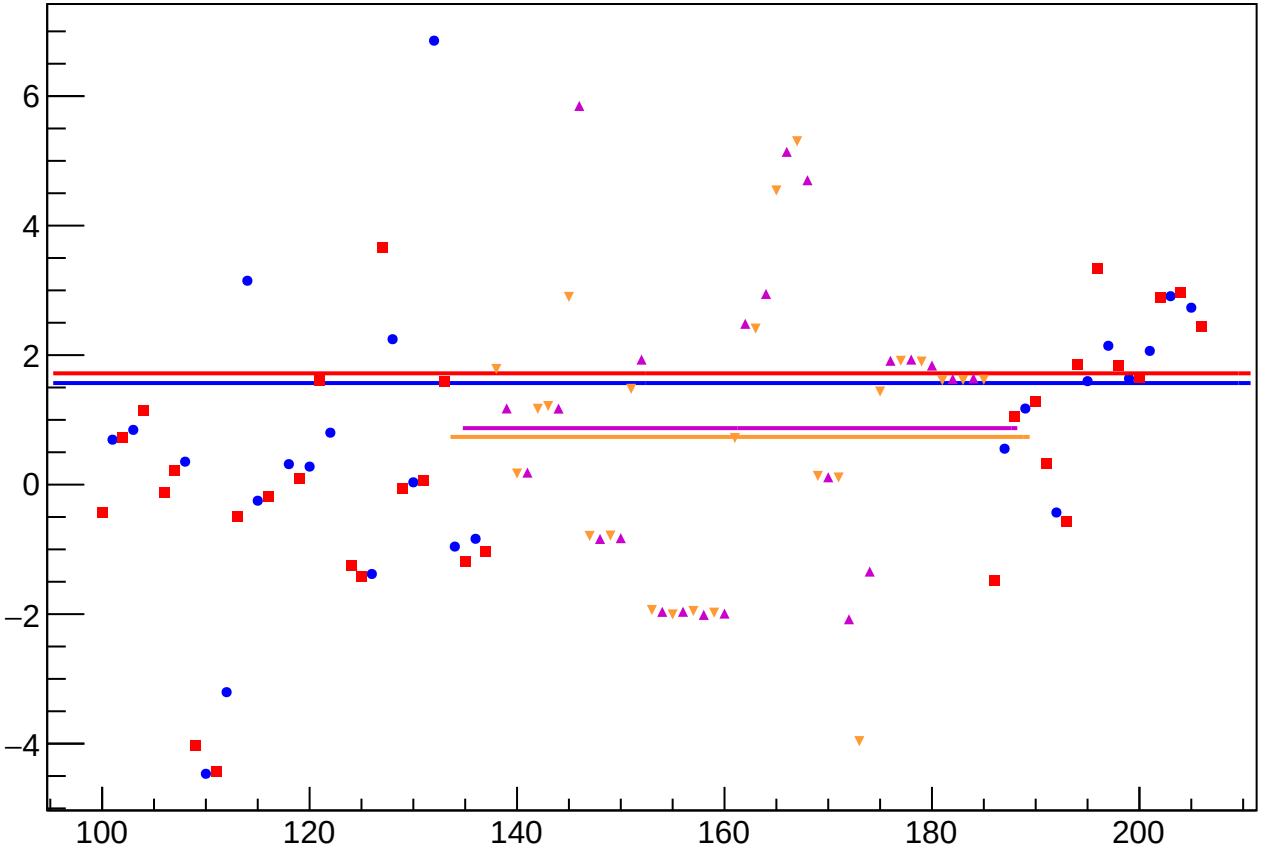
Right: 0.054+/-0.000 χ^2/NDF: 6732625.7/55

In: 0.017+/-0.000 χ^2/NDF:15187077.5/47

Out: 0.018+/-0.000 χ^2/NDF:18152744.2/55

All: 0.018+/-0.000 χ^2/NDF: 33407605.1/103

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.569+/-0.000 χ^2/NDF: 32114776628.7/24

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.719+/-0.000 χ^2/NDF: 37533112033.2/30

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

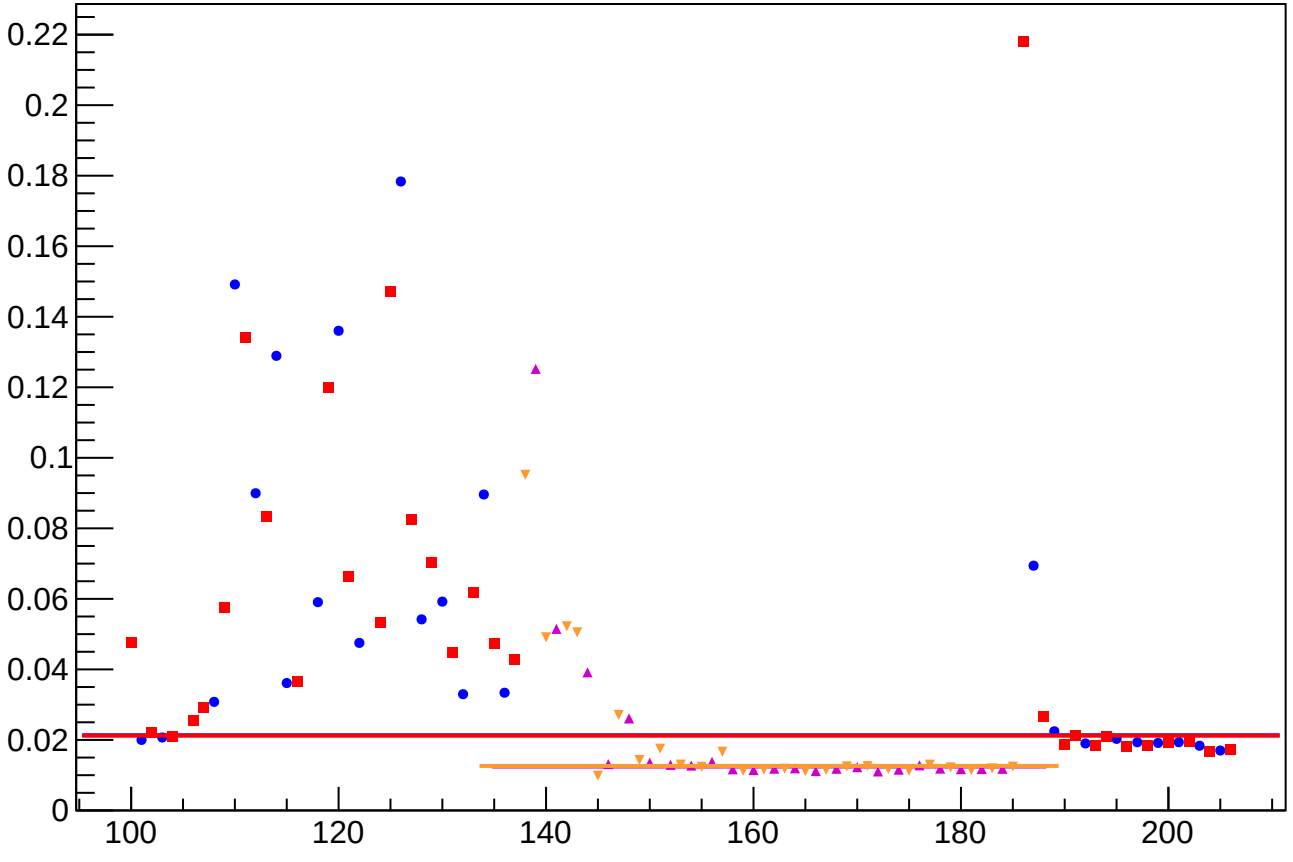
Right: 1.651+/-0.000 χ^2/NDF: 69895634684.3/55

In: 0.990+/-0.000 χ^2/NDF:660362146123.4/47

Out: 0.929+/-0.000 χ^2/NDF:592274158907.5/55

All: 0.959+/-0.000 χ^2/NDF: 1252858236070.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4139941.7/24

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5324260.9/30

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

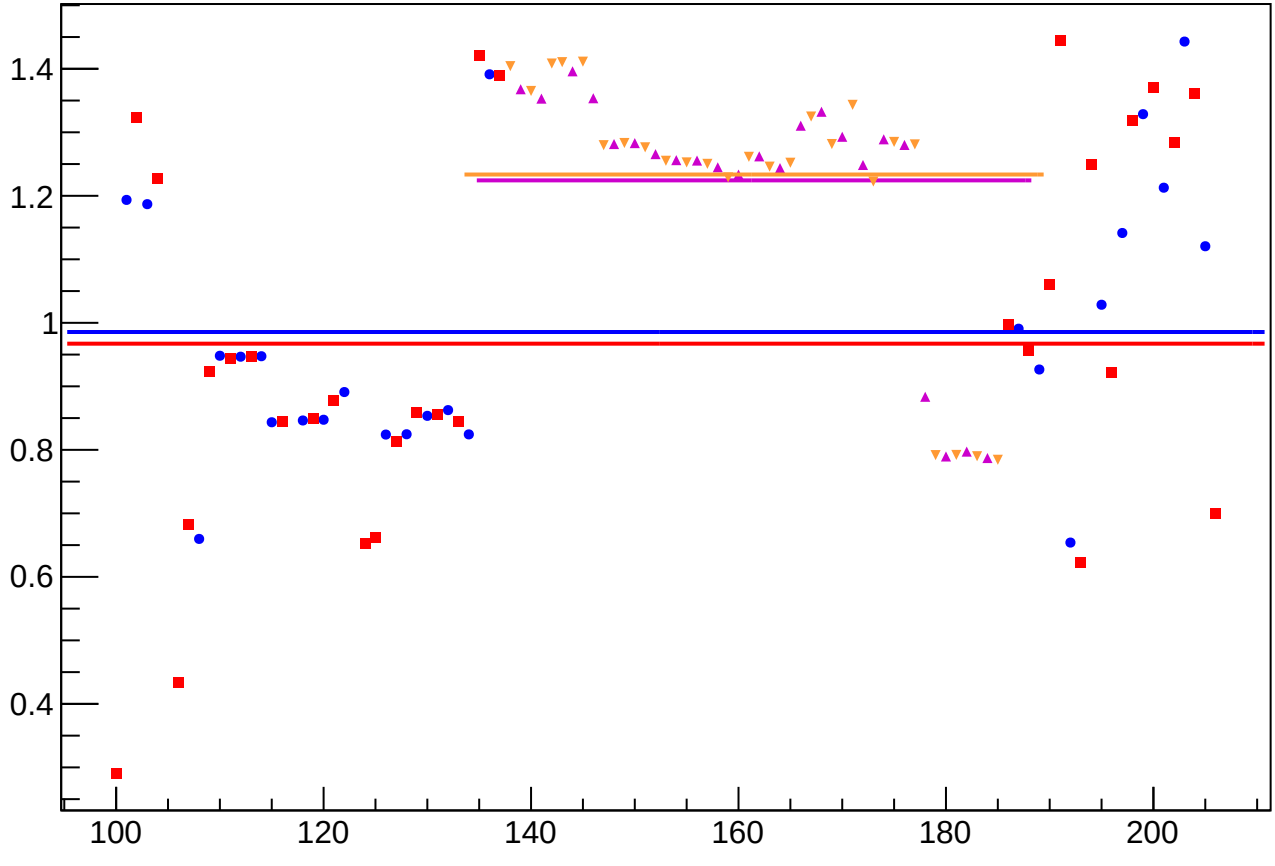
Right: 0.021+/-0.000 χ^2/NDF: 9464268.2/55

In: 0.014+/-0.000 χ^2/NDF:9508541.6/47

Out: 0.014+/-0.000 χ^2/NDF:11412076.6/55

All: 0.014+/-0.000 χ^2/NDF: 20937009.8/103

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.986+/-0.000 χ^2/NDF: 1861570441.6/24

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.967+/-0.000 χ^2/NDF: 2325606278.0/30

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

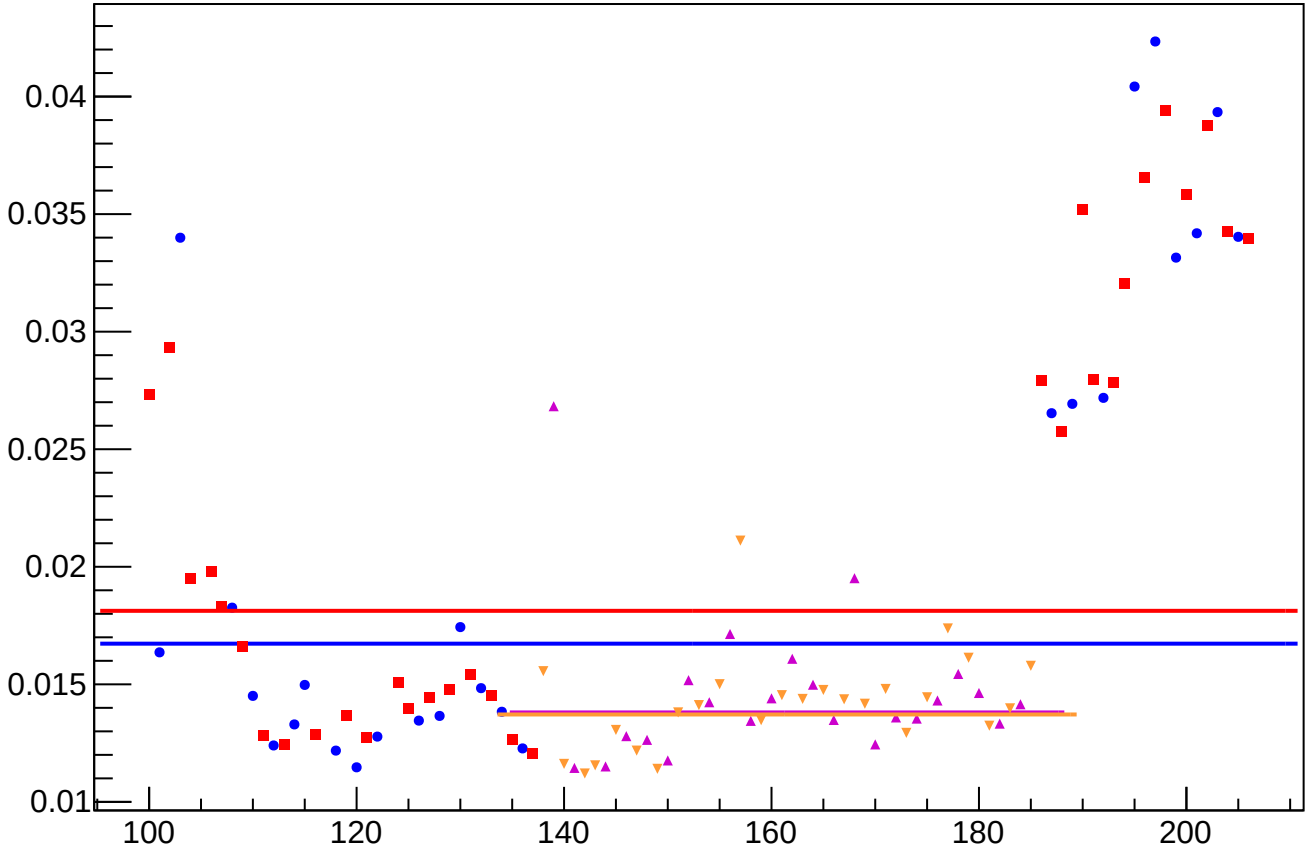
Right: 0.976+/-0.000 χ^2/NDF: 4193651779.1/55

In: 1.150+/-0.000 χ^2/NDF:6016896180.5/47

Out: 1.154+/-0.000 χ^2/NDF:7283681370.7/55

All: 1.152+/-0.000 χ^2/NDF: 13301267954.3/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 4456329.6/24

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4767913.3/30

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

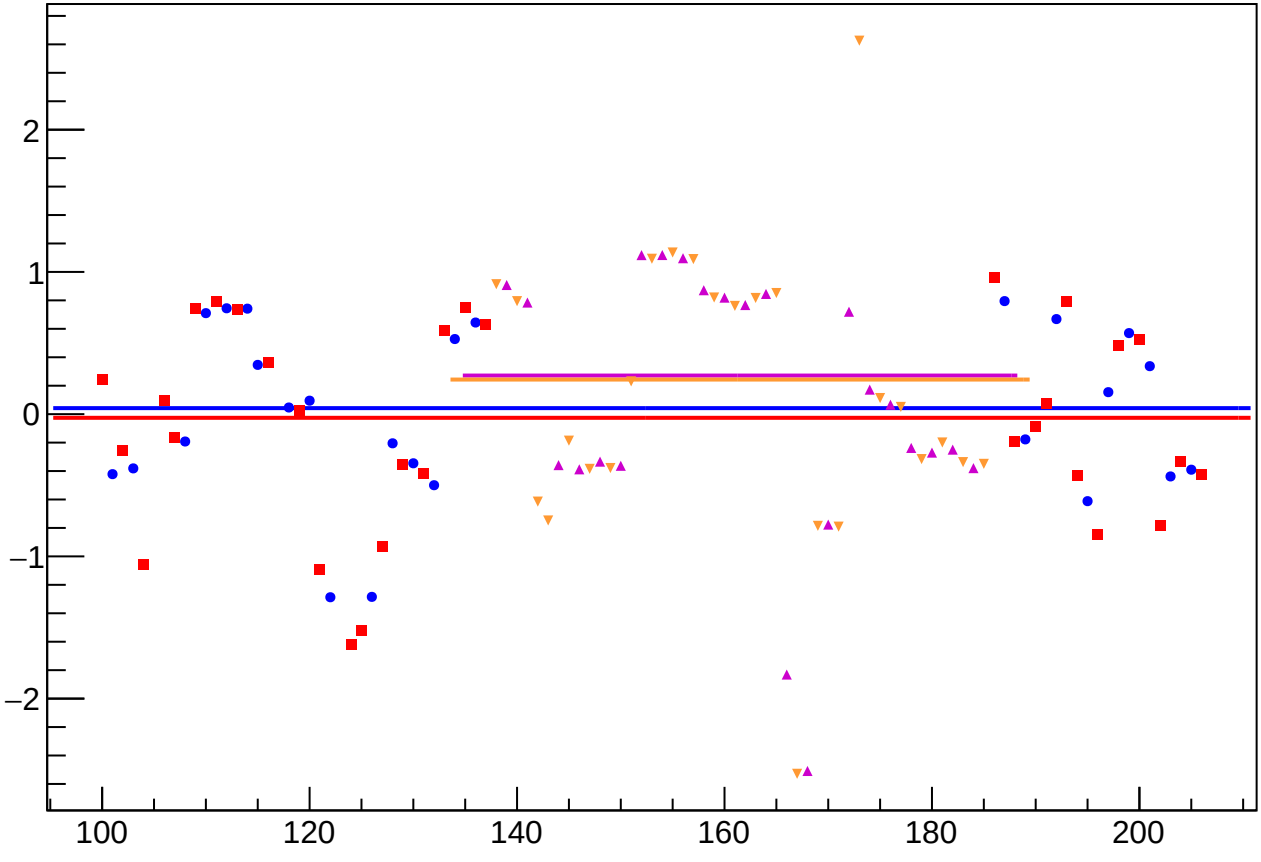
Right: 0.017+/-0.000 χ^2/NDF: 9298986.7/55

In: 0.015+/-0.000 χ^2/NDF:5777227.8/47

Out: 0.015+/-0.000 χ^2/NDF:6367458.3/55

All: 0.015+/-0.000 χ^2/NDF: 12158269.8/103

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 22749001428.0/24

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: -0.026+/-0.000 χ^2/NDF: 35258774585.4/30

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

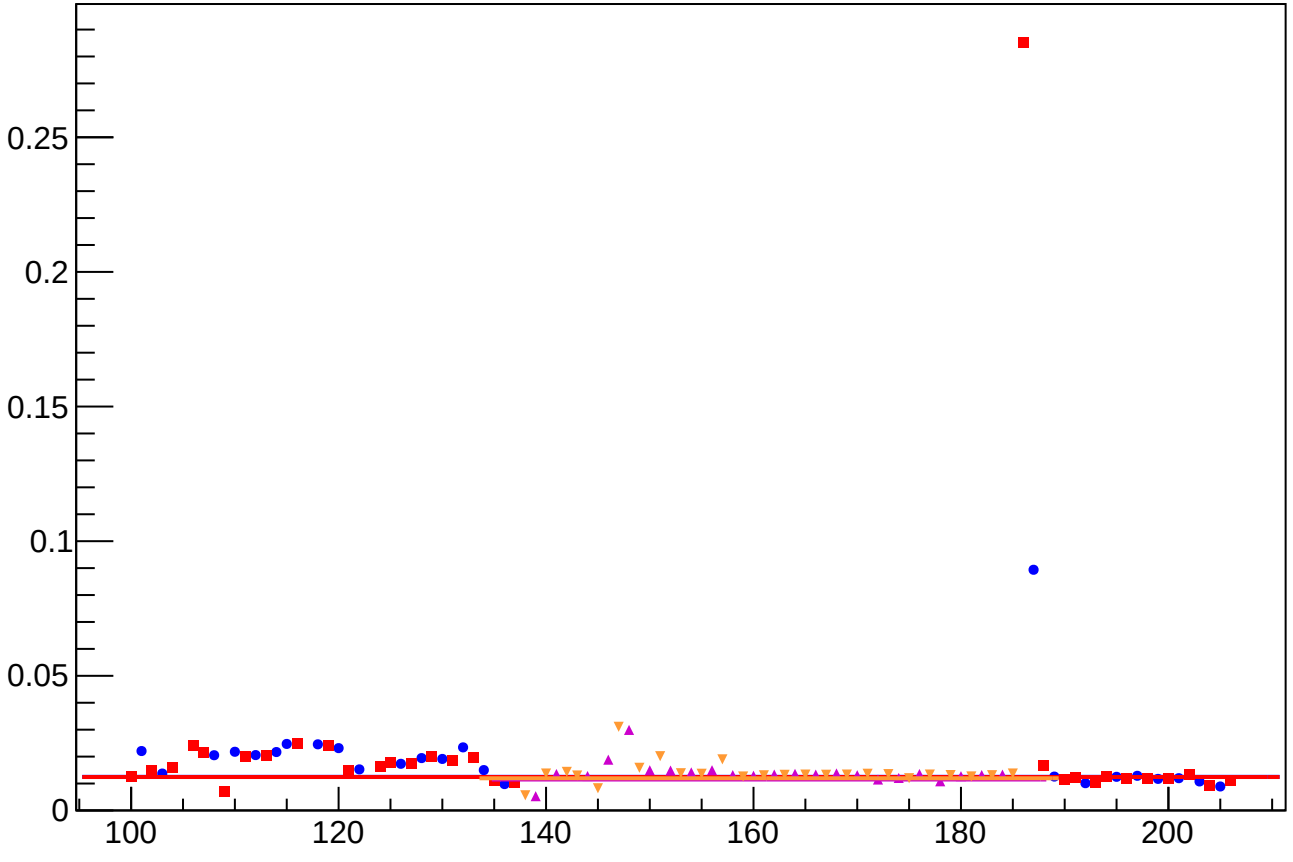
Right: 0.006+/-0.000 χ^2/NDF: 58192782023.8/55

In: 0.183+/-0.000 χ^2/NDF:115643540172.2/47

Out: 0.130+/-0.000 χ^2/NDF:144449581180.1/55

All: 0.155+/-0.000 χ^2/NDF: 260373324403.3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2422000.1/24

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2884640.0/30

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

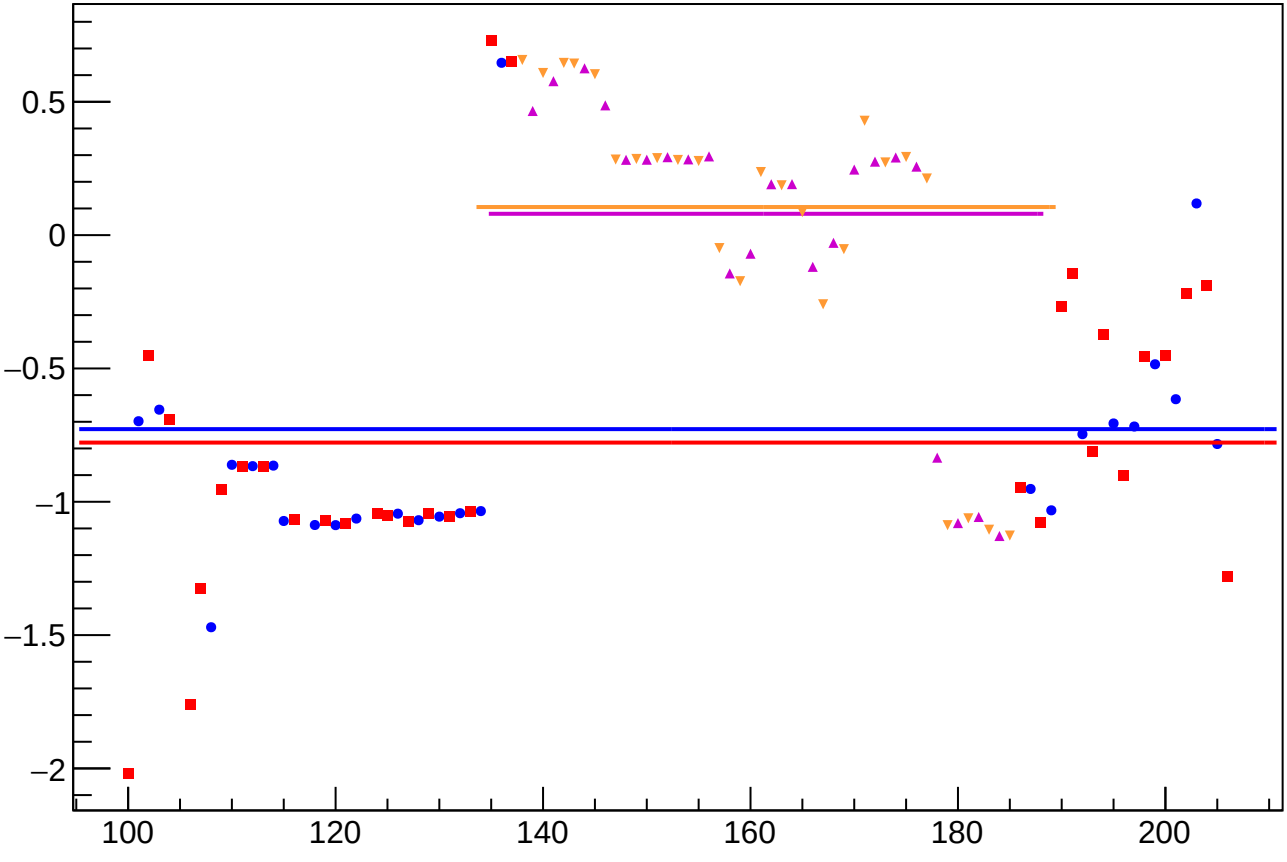
Right: 0.012+/-0.000 χ^2/NDF: 5307015.1/55

In: 0.012+/-0.000 χ^2/NDF:6183670.5/47

Out: 0.012+/-0.000 χ^2/NDF:6172334.3/55

All: 0.012+/-0.000 χ^2/NDF: 12370743.2/103

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.728+/-0.000 χ^2/NDF: 2162474262.1/24

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.778+/-0.000 χ^2/NDF: 2104951806.6/30

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

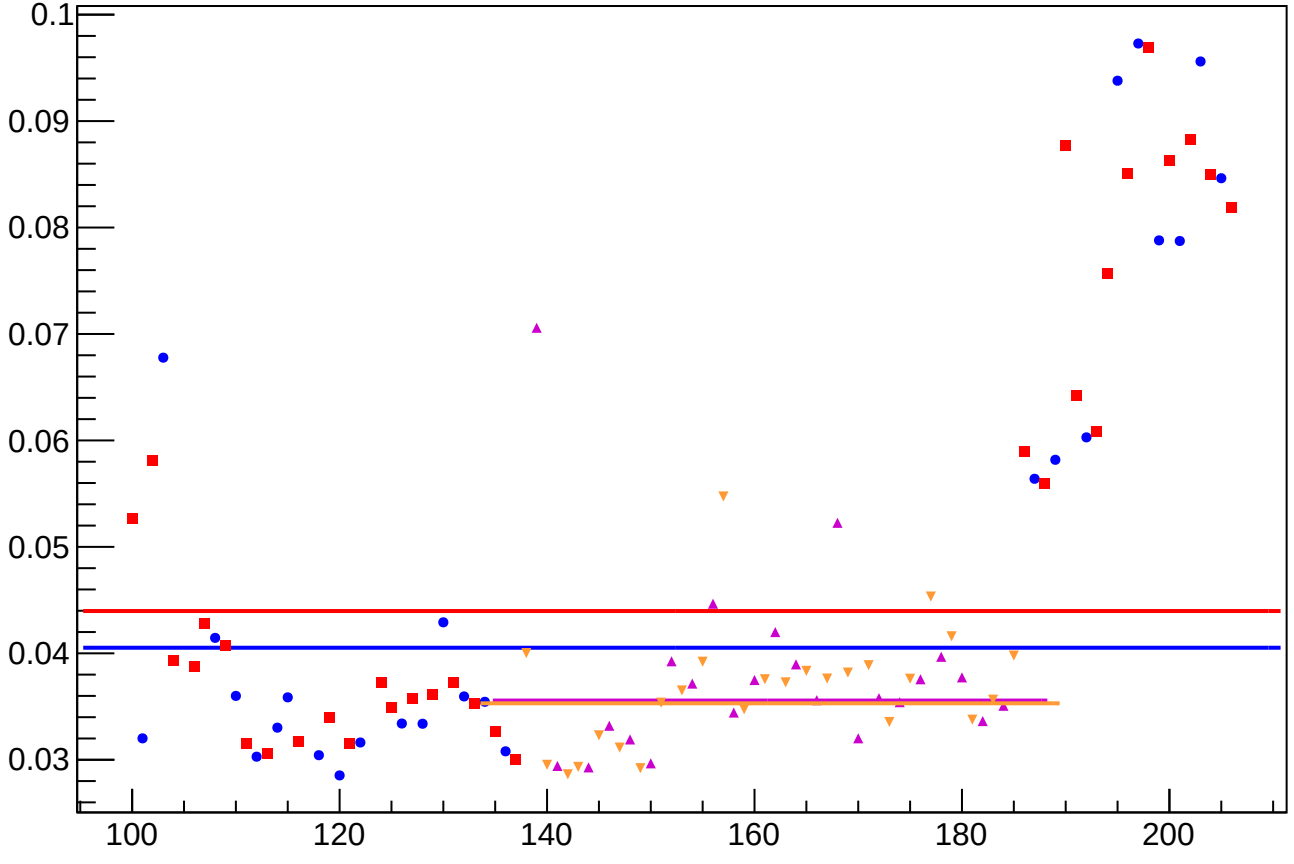
Right: -0.753+/-0.000 χ^2/NDF: 4275923827.4/55

In: -0.197+/-0.000 χ^2/NDF:8281236515.0/47

Out: -0.187+/-0.000 χ^2/NDF:9382656140.9/55

All: -0.192+/-0.000 χ^2/NDF: 17664852337.5/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.041+/-0.000 χ^2/NDF: 4049290.0/24

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.044+/-0.000 χ^2/NDF: 4248330.1/30

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

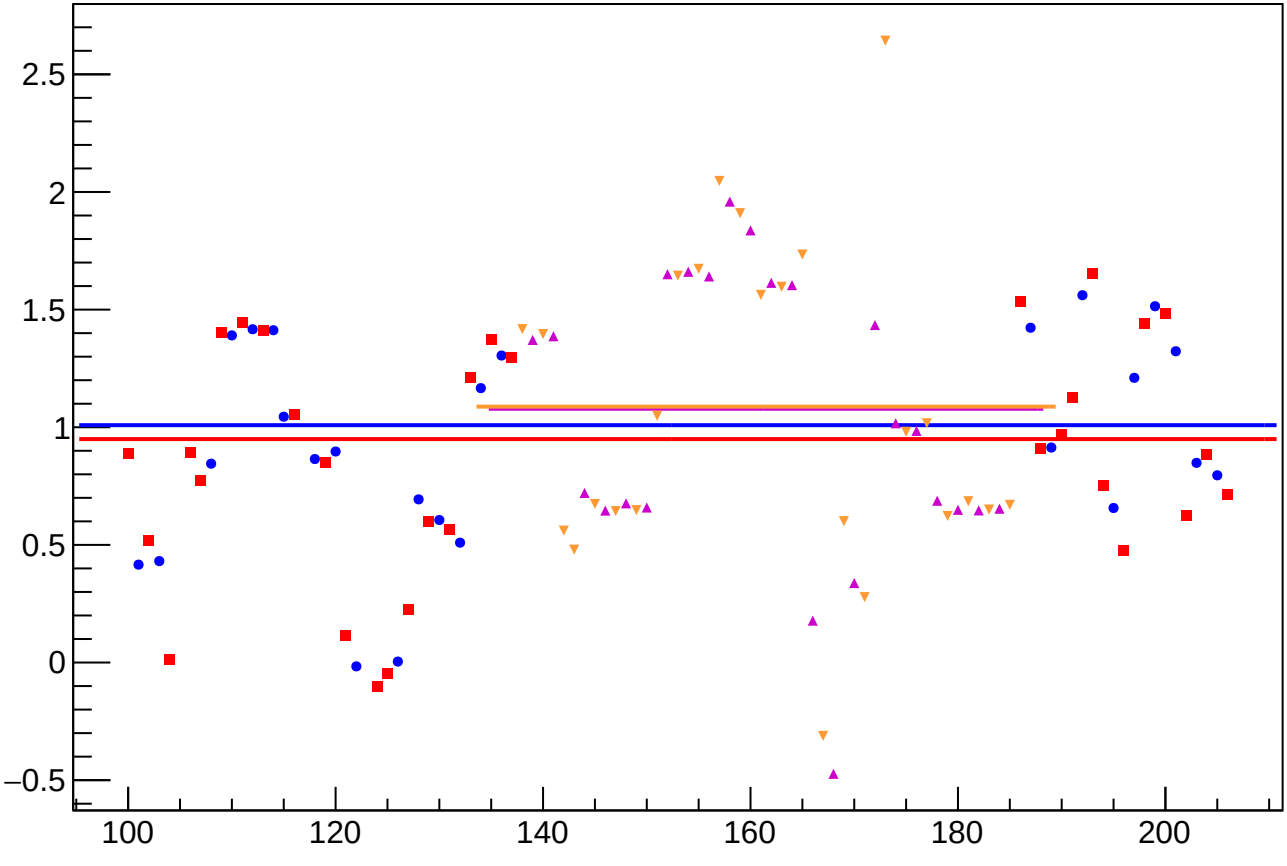
Right: 0.042+/-0.000 χ^2/NDF: 8376909.8/55

In: 0.037+/-0.000 χ^2/NDF:5224885.1/47

Out: 0.038+/-0.000 χ^2/NDF:5533321.9/55

All: 0.038+/-0.000 χ^2/NDF: 10774584.6/103

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.009+/-0.000 χ^2/NDF: 27052447685.0/24

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.950+/-0.000 χ^2/NDF: 36658696227.4/30

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

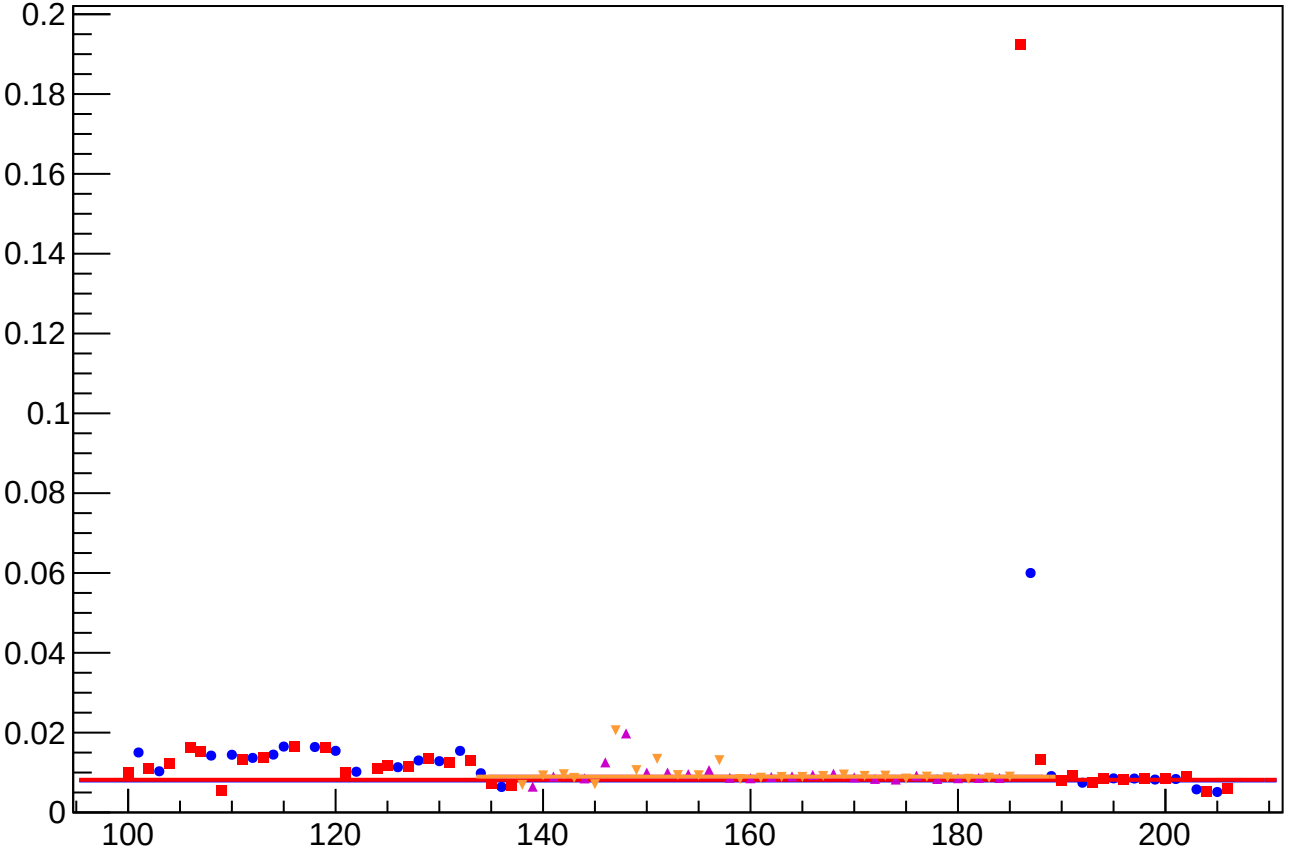
Right: 0.978+/-0.000 χ^2/NDF: 64040101451.9/55

In: 1.047+/-0.000 χ^2/NDF:101606756031.1/47

Out: 1.023+/-0.000 χ^2/NDF:132514549724.0/55

All: 1.034+/-0.000 χ^2/NDF: 234236696473.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3028252.0/24

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3465877.0/30

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

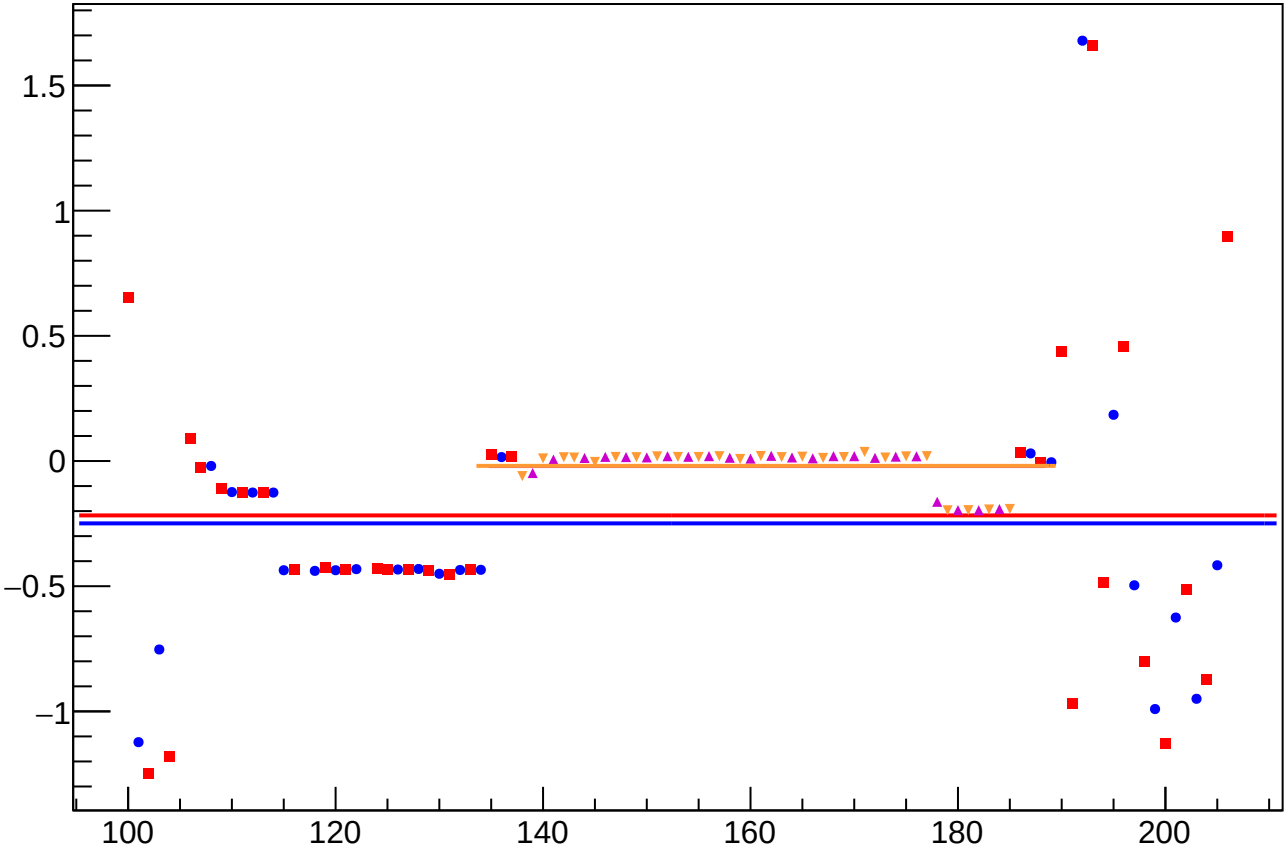
Right: 0.008+/-0.000 χ^2/NDF: 6499707.0/55

In: 0.009+/-0.000 χ^2/NDF:4163410.1/47

Out: 0.009+/-0.000 χ^2/NDF:4742181.7/55

All: 0.009+/-0.000 χ^2/NDF: 8908405.6/103

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.249+/-0.000 χ^2/NDF: 3307727561.5/24

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 3539059659.1/30

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

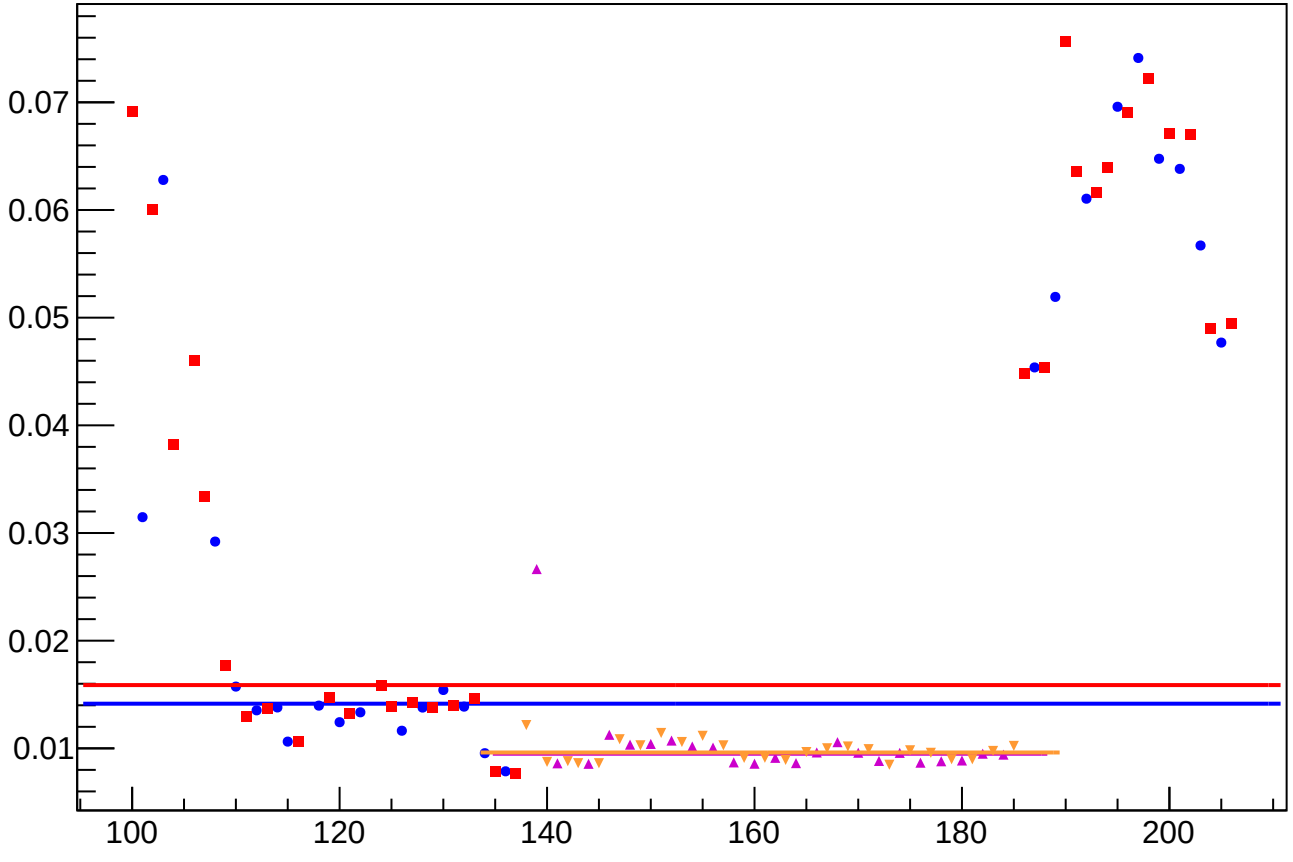
Right: -0.234+/-0.000 χ^2/NDF: 6864903981.1/55

In: -0.062+/-0.000 χ^2/NDF:5895890763.7/47

Out: -0.051+/-0.000 χ^2/NDF:5724507997.1/55

All: -0.056+/-0.000 χ^2/NDF: 11631166132.9/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9922413.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 12023745.3/30

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

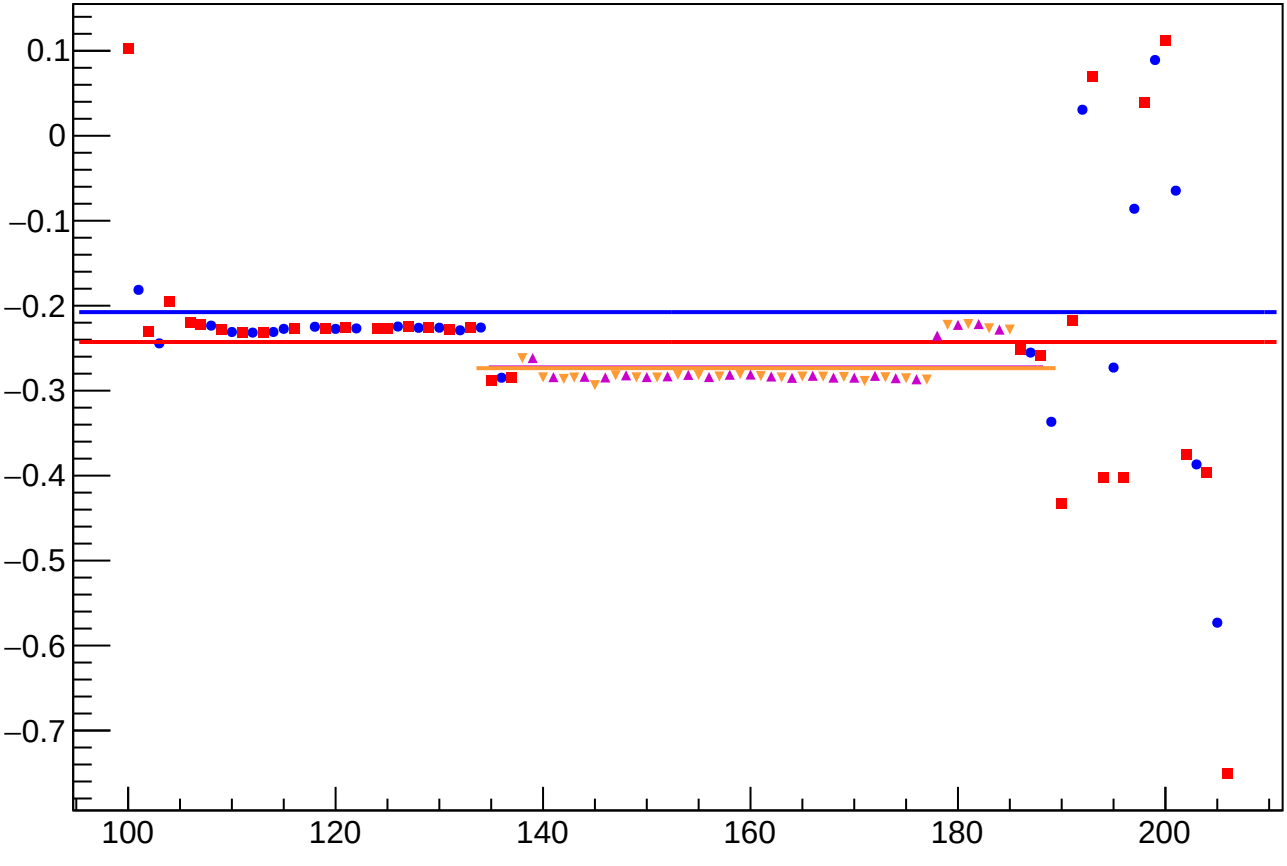
Right: 0.015+/-0.000 χ^2/NDF: 22053072.2/55

In: 0.010+/-0.000 χ^2/NDF:12145350.1/47

Out: 0.011+/-0.000 χ^2/NDF:14550488.5/55

All: 0.010+/-0.000 χ^2/NDF: 26713489.4/103

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.208+/-0.000 χ^2/NDF: 8140462269.1/24

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.243+/-0.000 χ^2/NDF: 14371152570.9/30

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

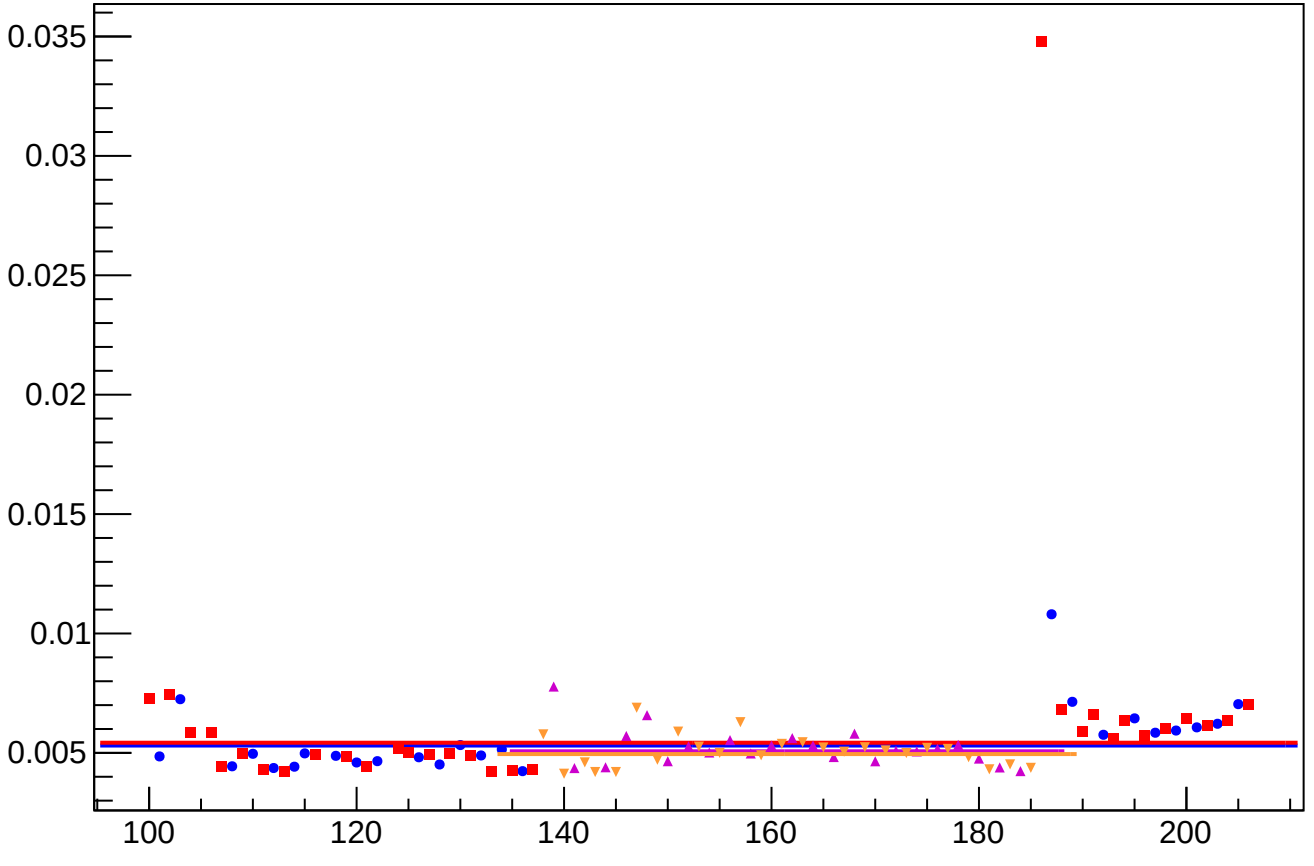
Right: -0.226+/-0.000 χ^2/NDF: 22803542843.3/55

In: -0.246+/-0.000 χ^2/NDF:9612269378.6/47

Out: -0.261+/-0.000 χ^2/NDF:15048568565.1/55

All: -0.254+/-0.000 χ^2/NDF: 24786510039.0/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 770144.4/24

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1416933.3/30

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

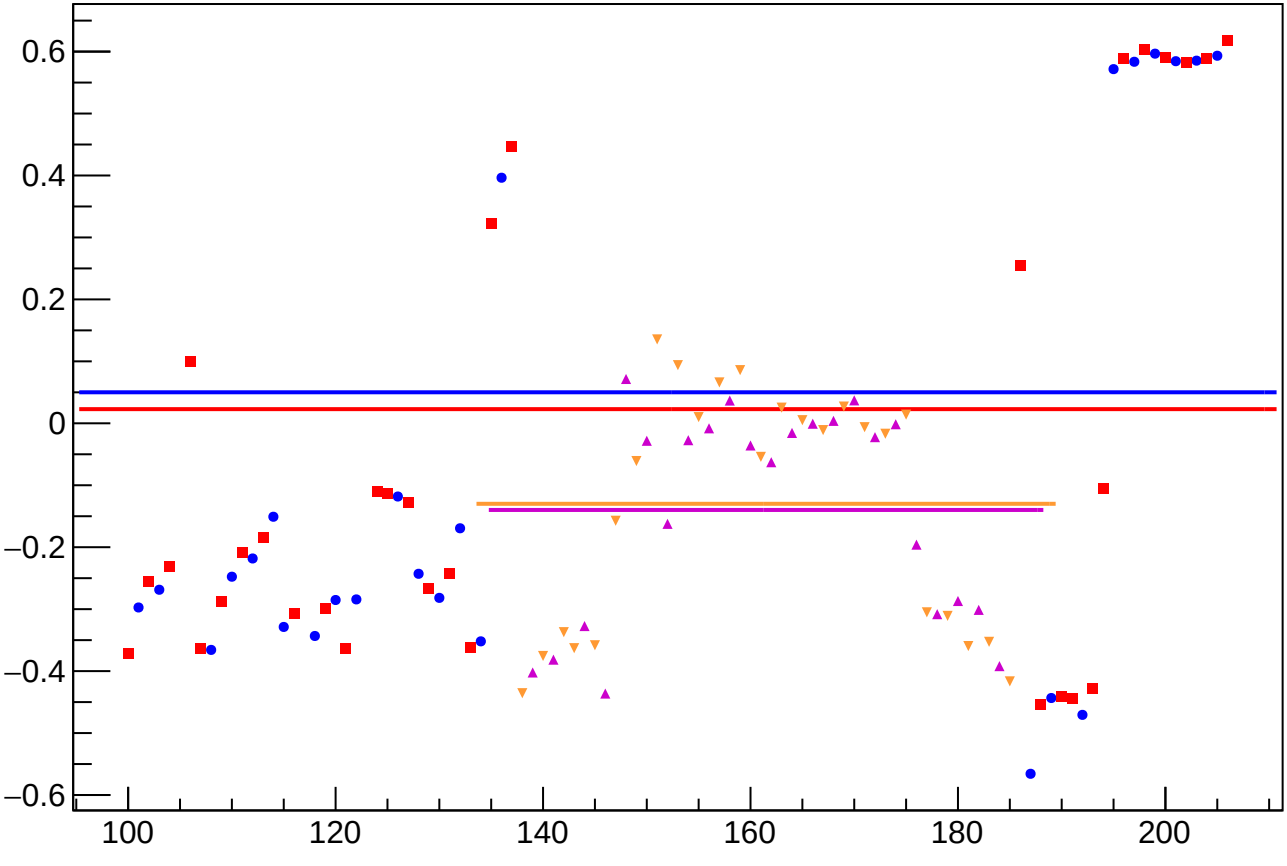
Right: 0.005+/-0.000 χ^2/NDF: 2193604.2/55

In: 0.005+/-0.000 χ^2/NDF:1340811.6/47

Out: 0.005+/-0.000 χ^2/NDF:2080060.6/55

All: 0.005+/-0.000 χ^2/NDF: 3421437.8/103

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 55851680245.0/24

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 59249688177.1/30

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

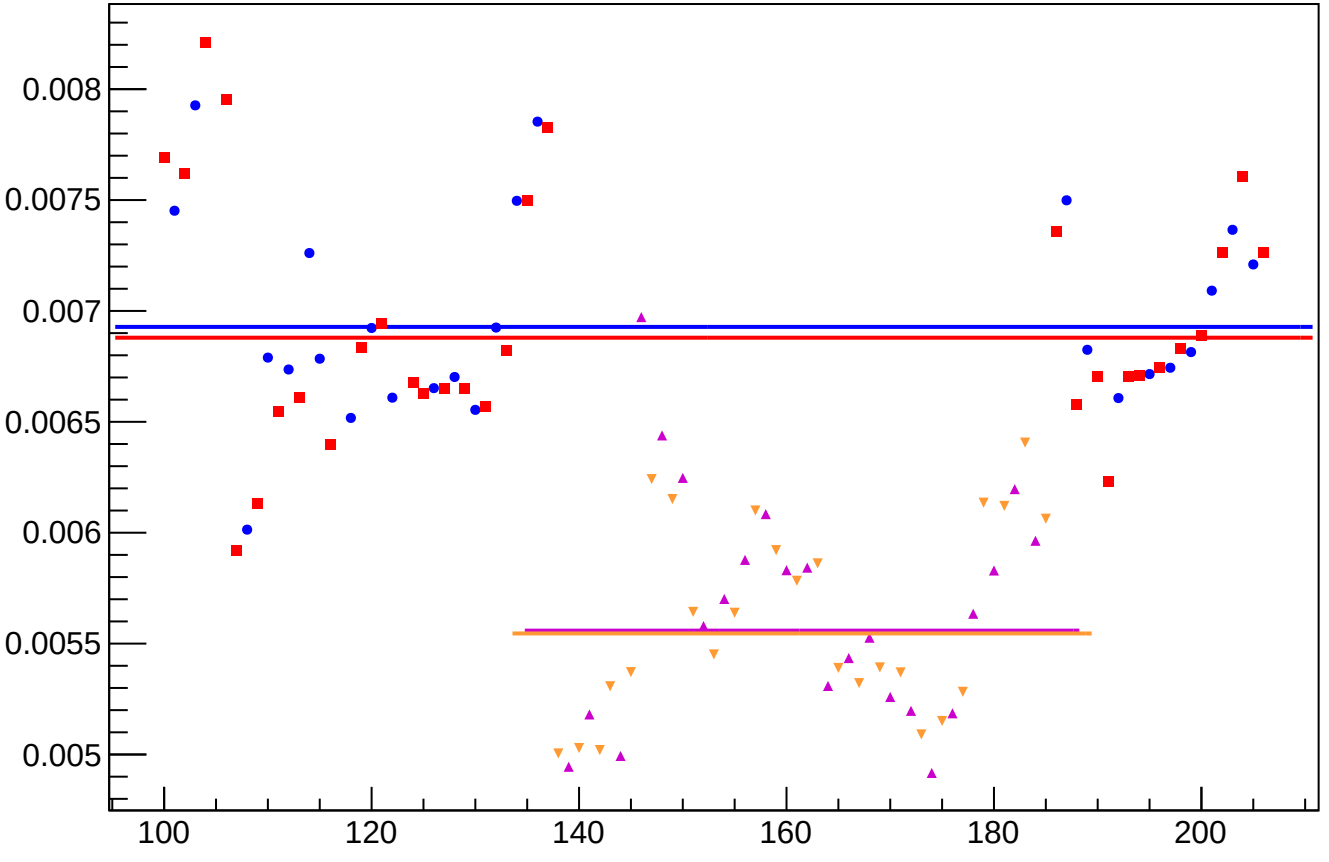
Right: 0.035+/-0.000 χ^2/NDF: 115216495998.9/55

In: -0.075+/-0.000 χ^2/NDF:77854836507.6/47

Out: -0.075+/-0.000 χ^2/NDF:85790816303.7/55

All: -0.075+/-0.000 χ^2/NDF: 163645896938.7

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 105158.4/24

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 142044.3/30

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

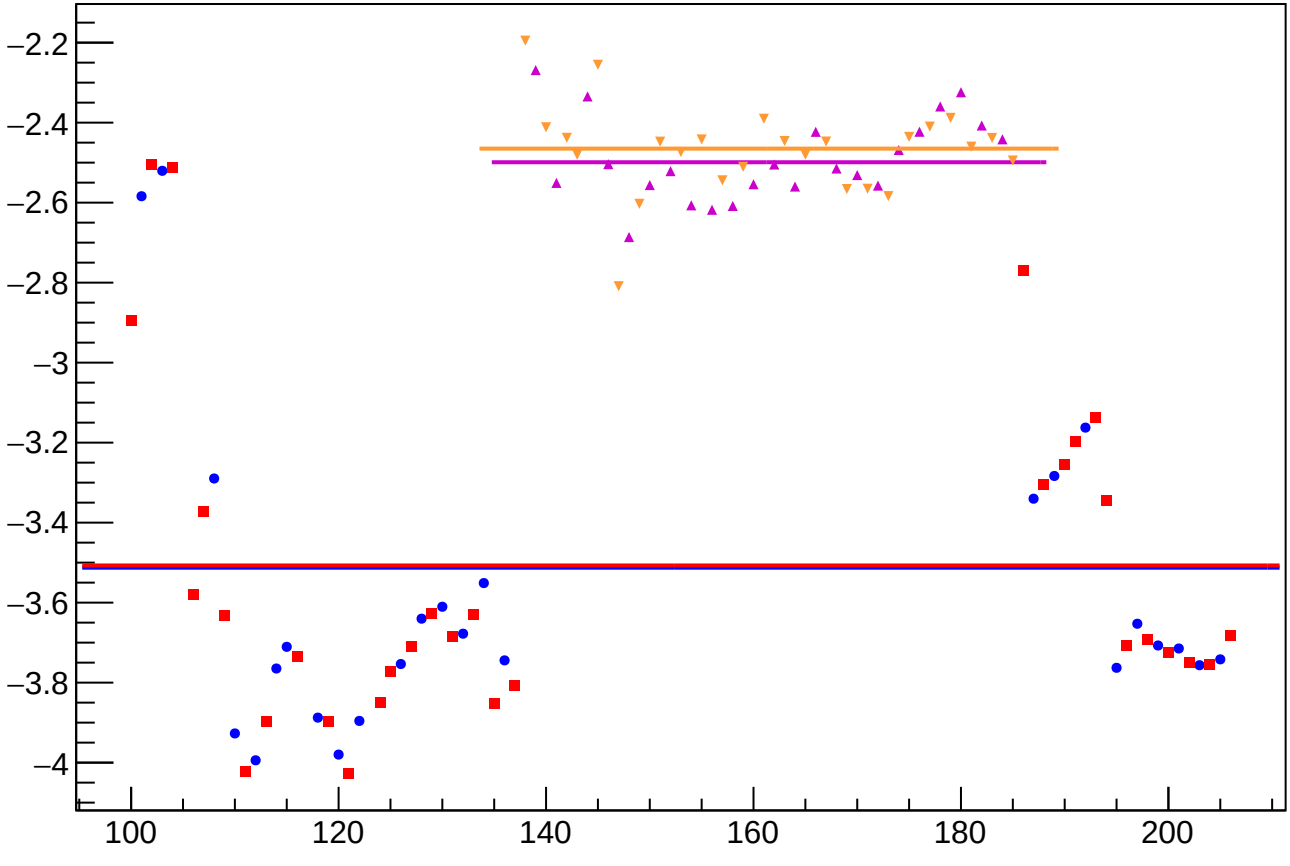
Right: 0.007+/-0.000 χ^2/NDF: 247939.8/55

In: 0.006+/-0.000 χ^2/NDF:1078928.7/47

Out: 0.006+/-0.000 χ^2/NDF:1112635.5/55

All: 0.006+/-0.000 χ^2/NDF: 2191585.4/103

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.513+/-0.000 χ^2/NDF: 32484290743.2/24

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.507+/-0.000 χ^2/NDF: 34578968177.0/30

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

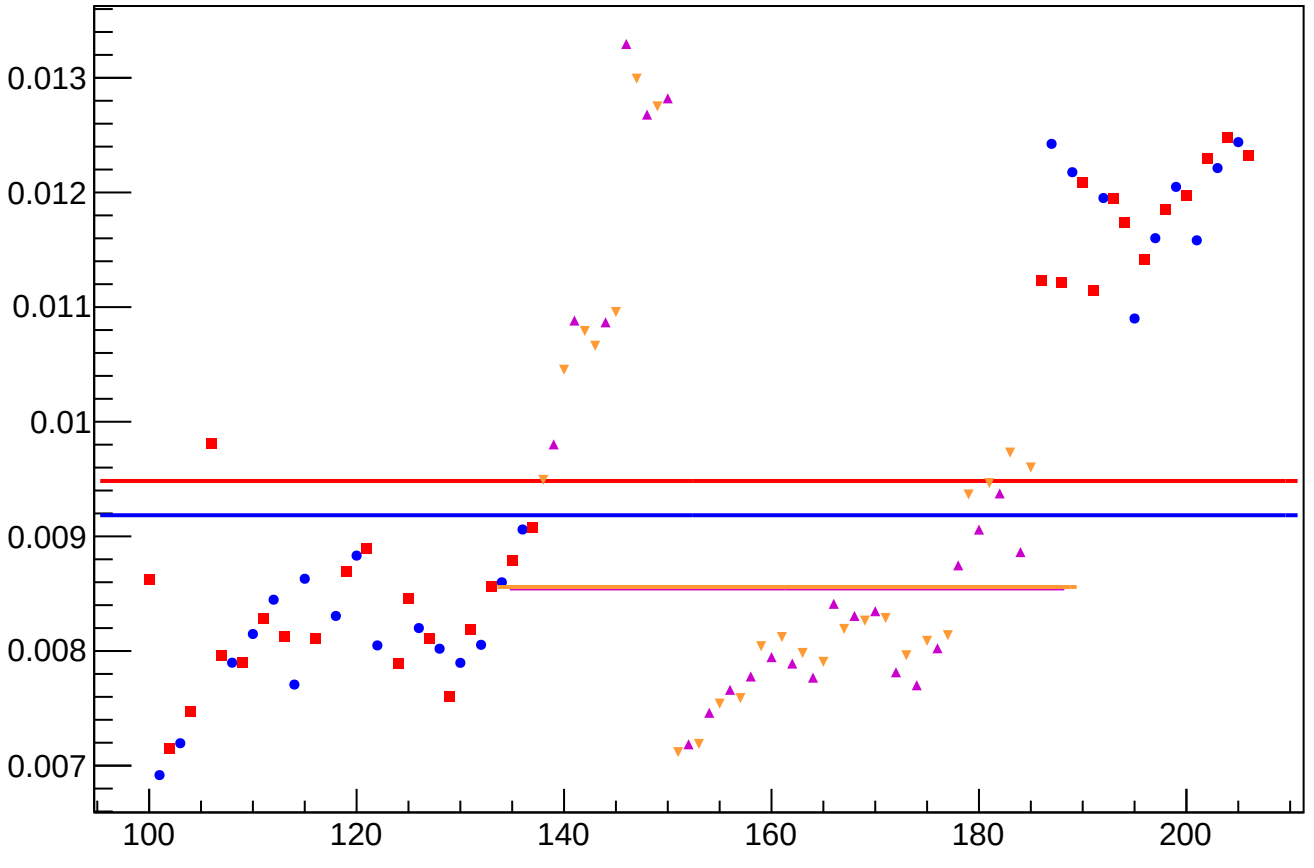
Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

Right: -3.510+/-0.000 χ^2/NDF: 67065740532.9/55

In: -2.906+/-0.000 χ^2/NDF:131179361419.0/47

Out: -2.891+/-0.000 χ^2/NDF:146373123149.3/55

All: -2.898+/-0.000 χ^2/NDF: 277594693082.5



Right In: 0.009+/-0.000 χ^2/NDF: 1077833.3/24

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1195892.9/30

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

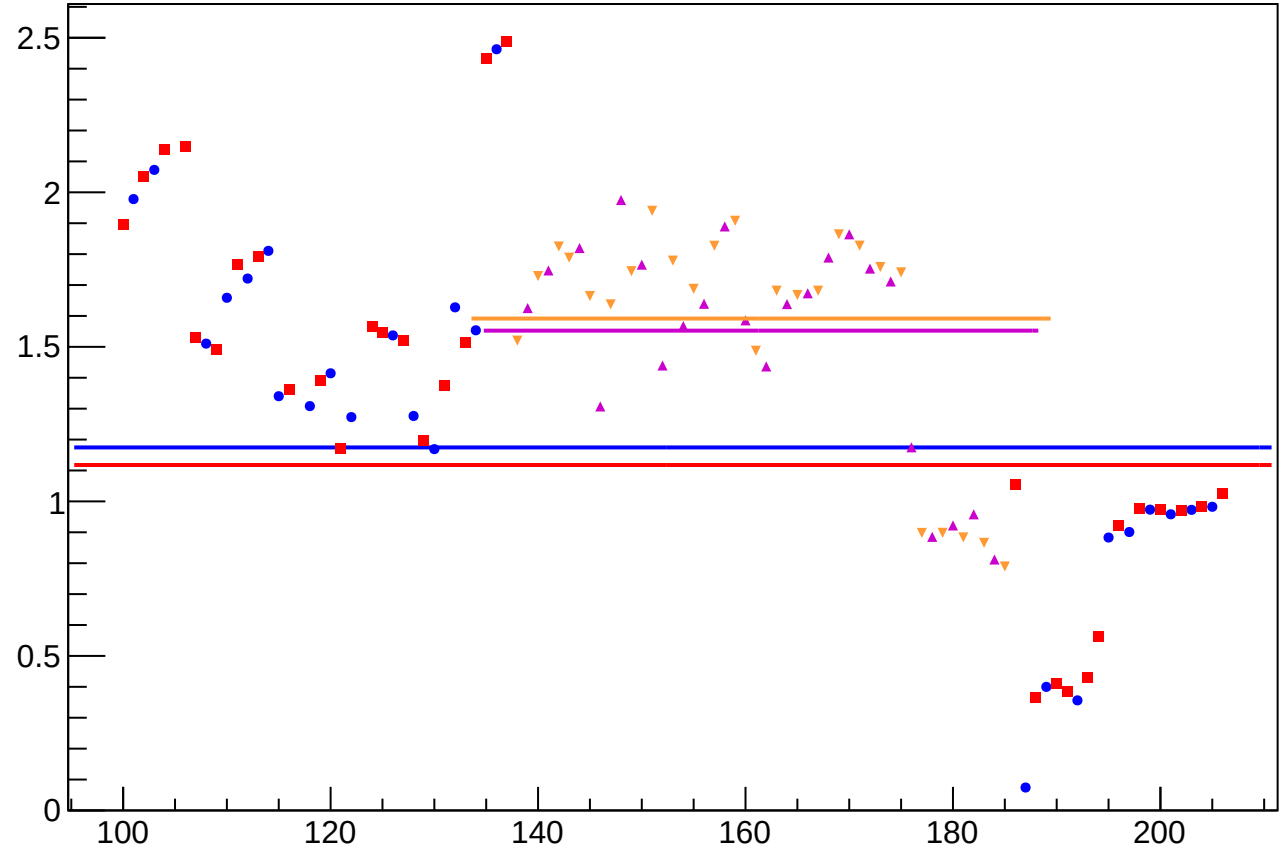
Right: 0.009+/-0.000 χ^2/NDF: 2288322.2/55

In: 0.009+/-0.000 χ^2/NDF:2065154.4/47

Out: 0.009+/-0.000 χ^2/NDF:2192671.7/55

All: 0.009+/-0.000 χ^2/NDF: 4265134.8/103

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.175+/-0.000 χ^2/NDF: 29161578290.7/24

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.118+/-0.000 χ^2/NDF: 34367529504.6/30

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

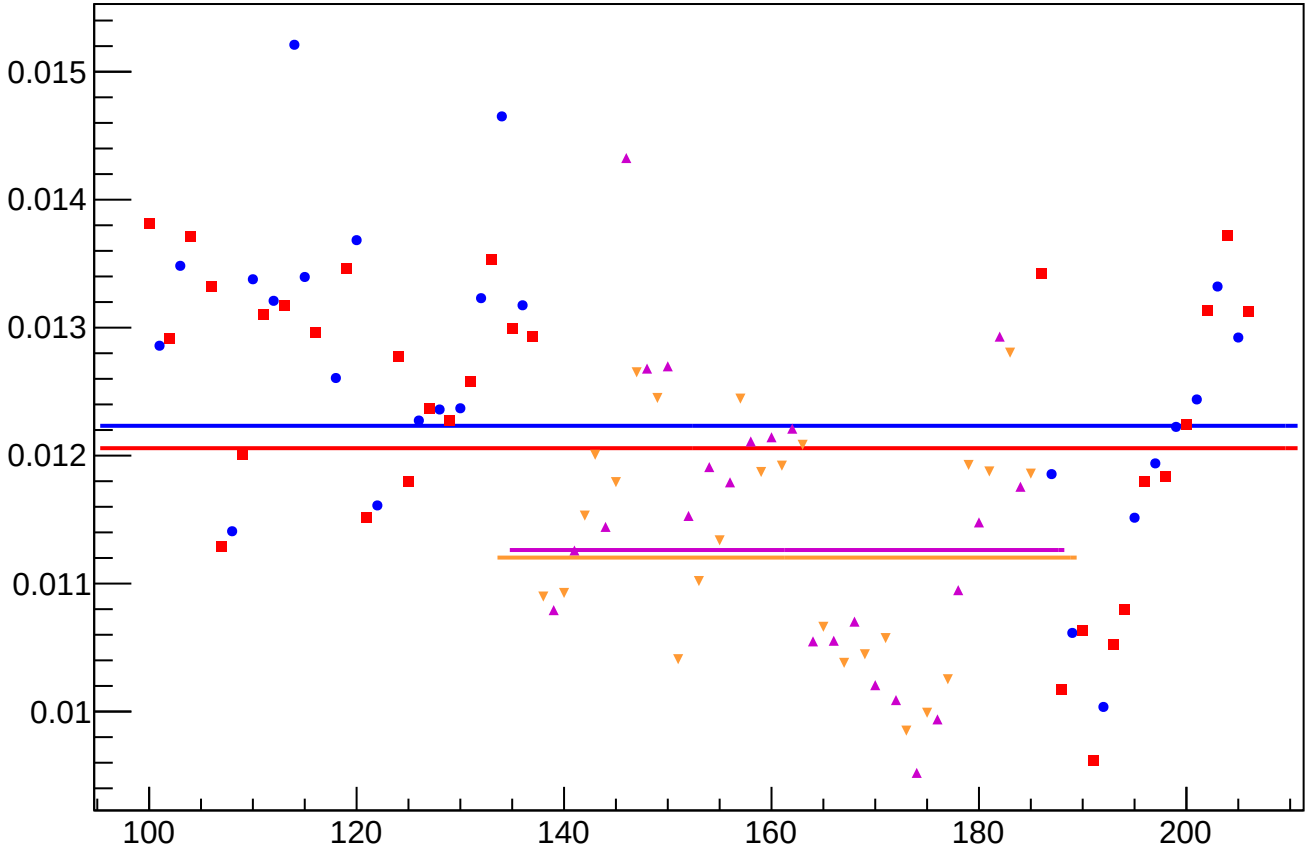
Right: 1.144+/-0.000 χ^2/NDF: 63690136205.2/55

In: 1.401+/-0.000 χ^2/NDF:51040110890.1/47

Out: 1.390+/-0.000 χ^2/NDF:65517709611.2/55

All: 1.395+/-0.000 χ^2/NDF: 116573021361.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 224363.0/24

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 303733.3/30

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

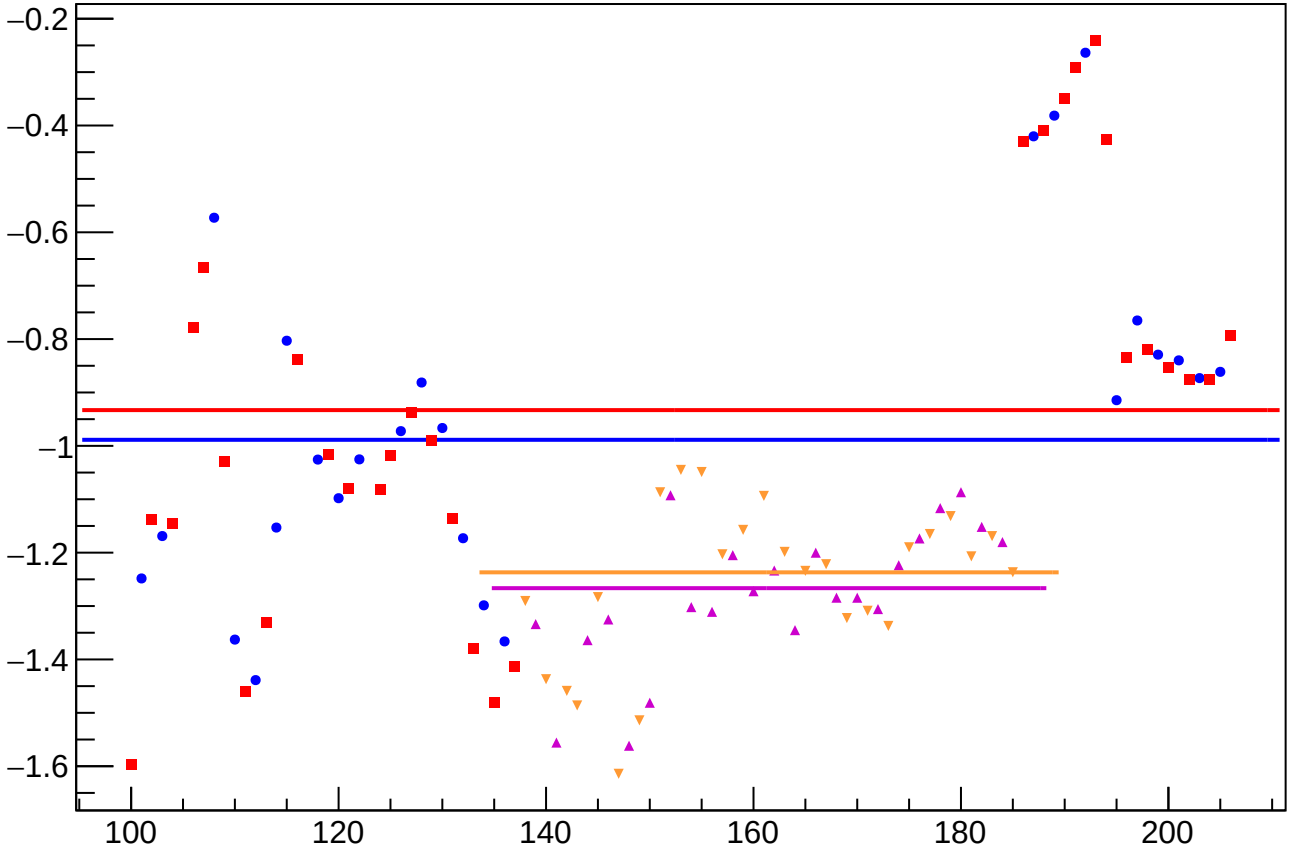
Right: 0.012+/-0.000 χ^2/NDF: 531140.2/55

In: 0.012+/-0.000 χ^2/NDF:639251.1/47

Out: 0.012+/-0.000 χ^2/NDF:618911.2/55

All: 0.012+/-0.000 χ^2/NDF: 1259871.6/103

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.989+/-0.000 χ^2/NDF: 11785472320.8/24

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.933+/-0.000 χ^2/NDF: 16714966452.4/30

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

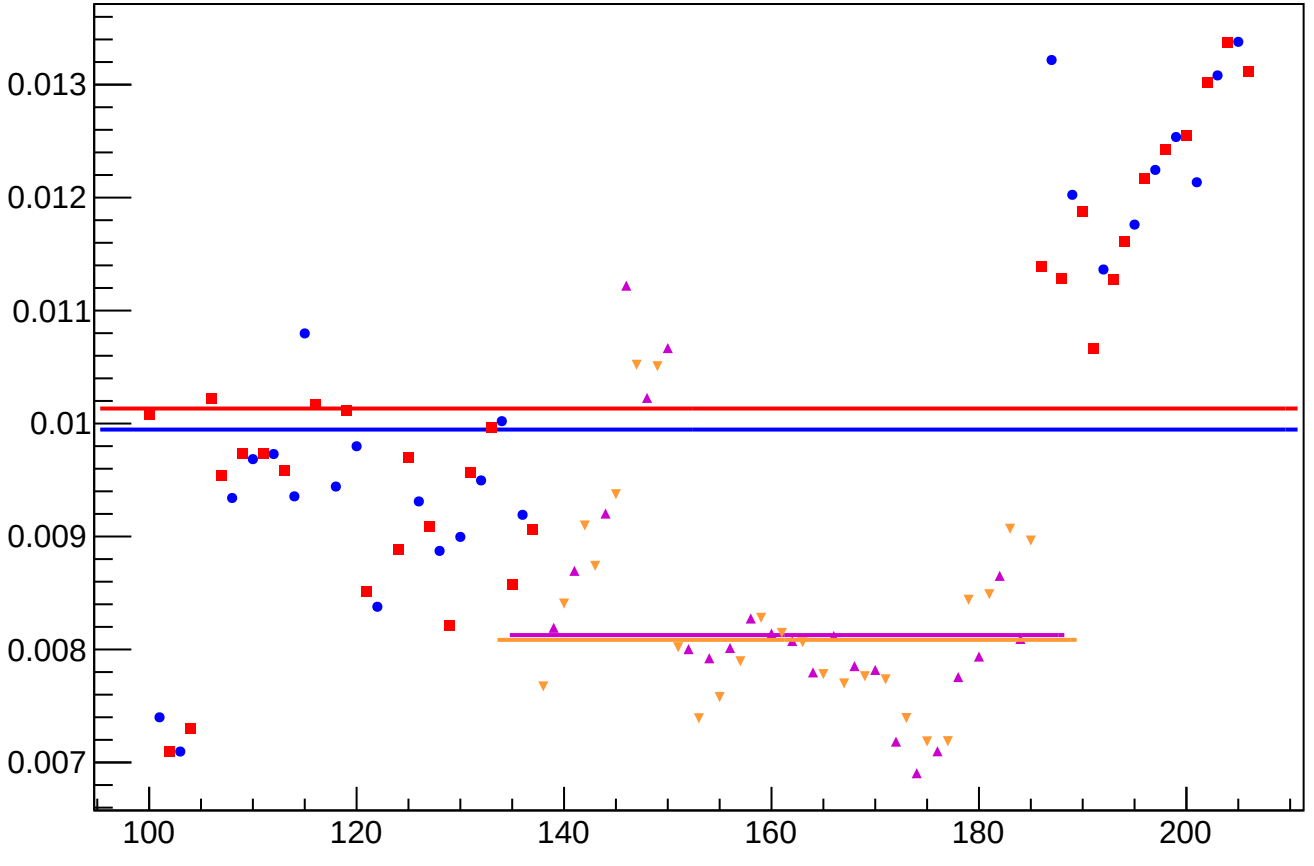
Right: -0.959+/-0.000 χ^2/NDF: 28717593370.4/55

In: -1.172+/-0.000 χ^2/NDF:22243543027.8/47

Out: -1.131+/-0.000 χ^2/NDF:30614717480.1/55

All: -1.151+/-0.000 χ^2/NDF: 53213677572.7/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 929142.9/24

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1056555.5/30

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

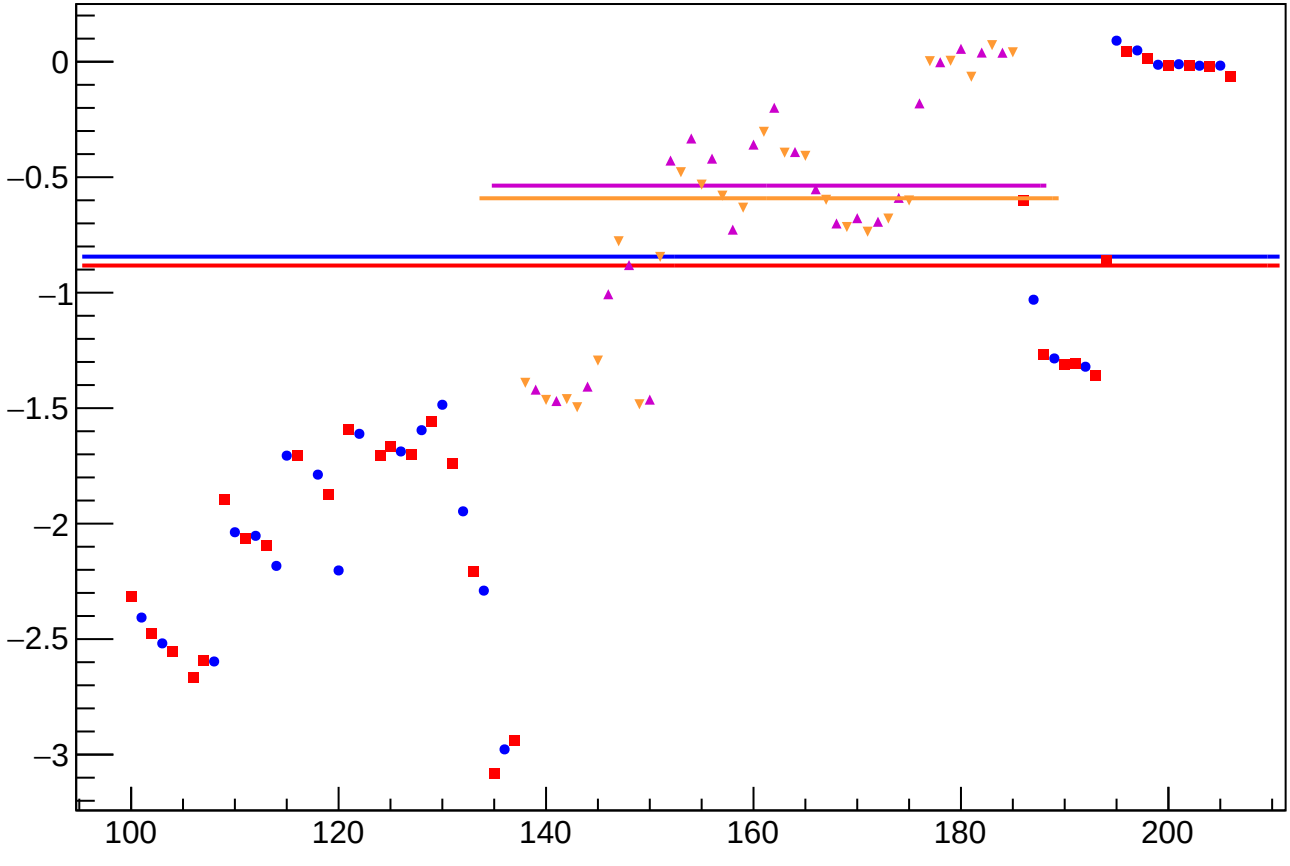
Right: 0.010+/-0.000 χ^2/NDF: 1990564.0/55

In: 0.009+/-0.000 χ^2/NDF:1919664.5/47

Out: 0.009+/-0.000 χ^2/NDF:2194276.1/55

All: 0.009+/-0.000 χ^2/NDF: 4115280.8/103

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.844+/-0.000 χ^2/NDF: 337819324522.1/24

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.882+/-0.000 χ^2/NDF: 362525090753.0/30

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

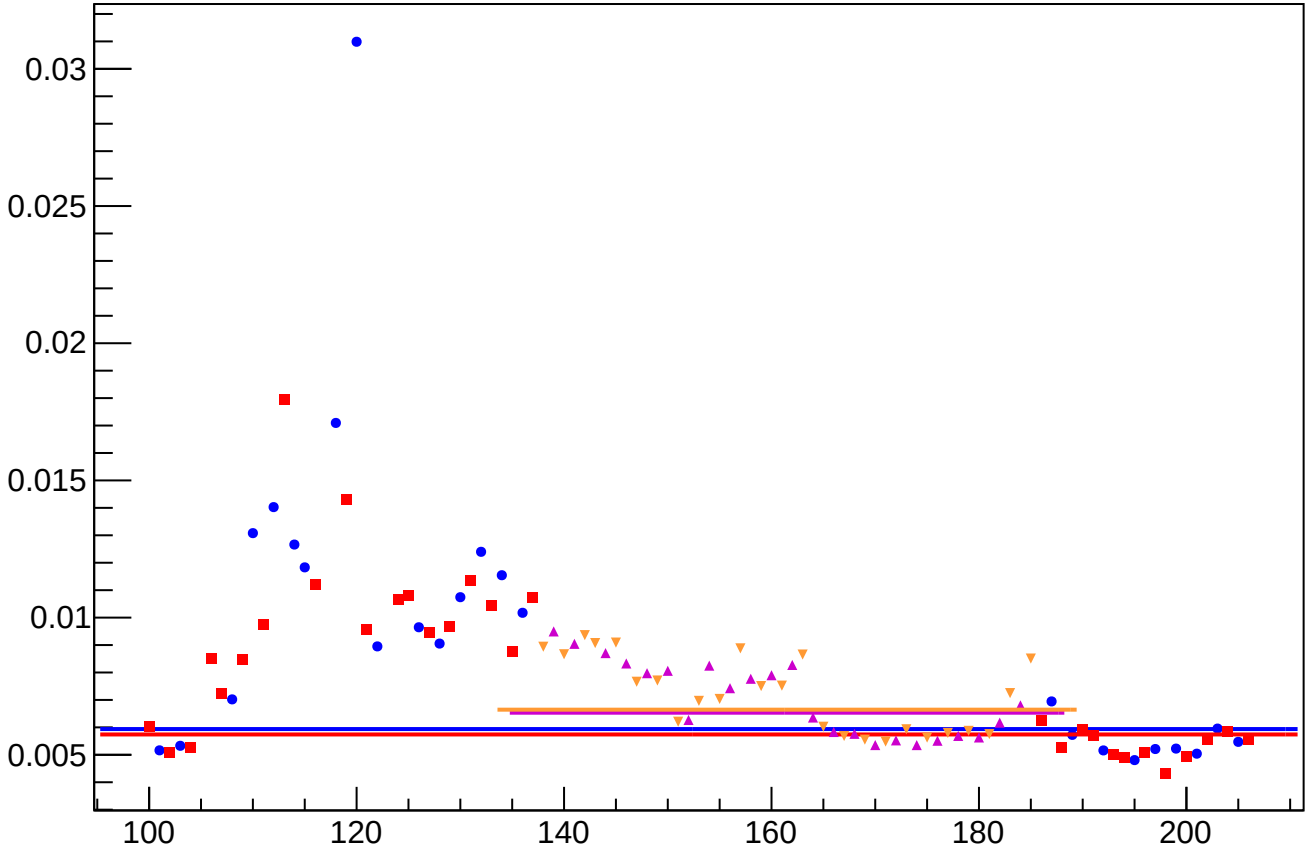
Right: -0.866+/-0.000 χ^2/NDF: 700607918390.0/55

In: -0.677+/-0.000 χ^2/NDF:424059810997.3/47

Out: -0.742+/-0.000 χ^2/NDF:451829021374.6/55

All: -0.712+/-0.000 χ^2/NDF: 877408675876.6

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2472274.6/24

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2349297.5/30

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

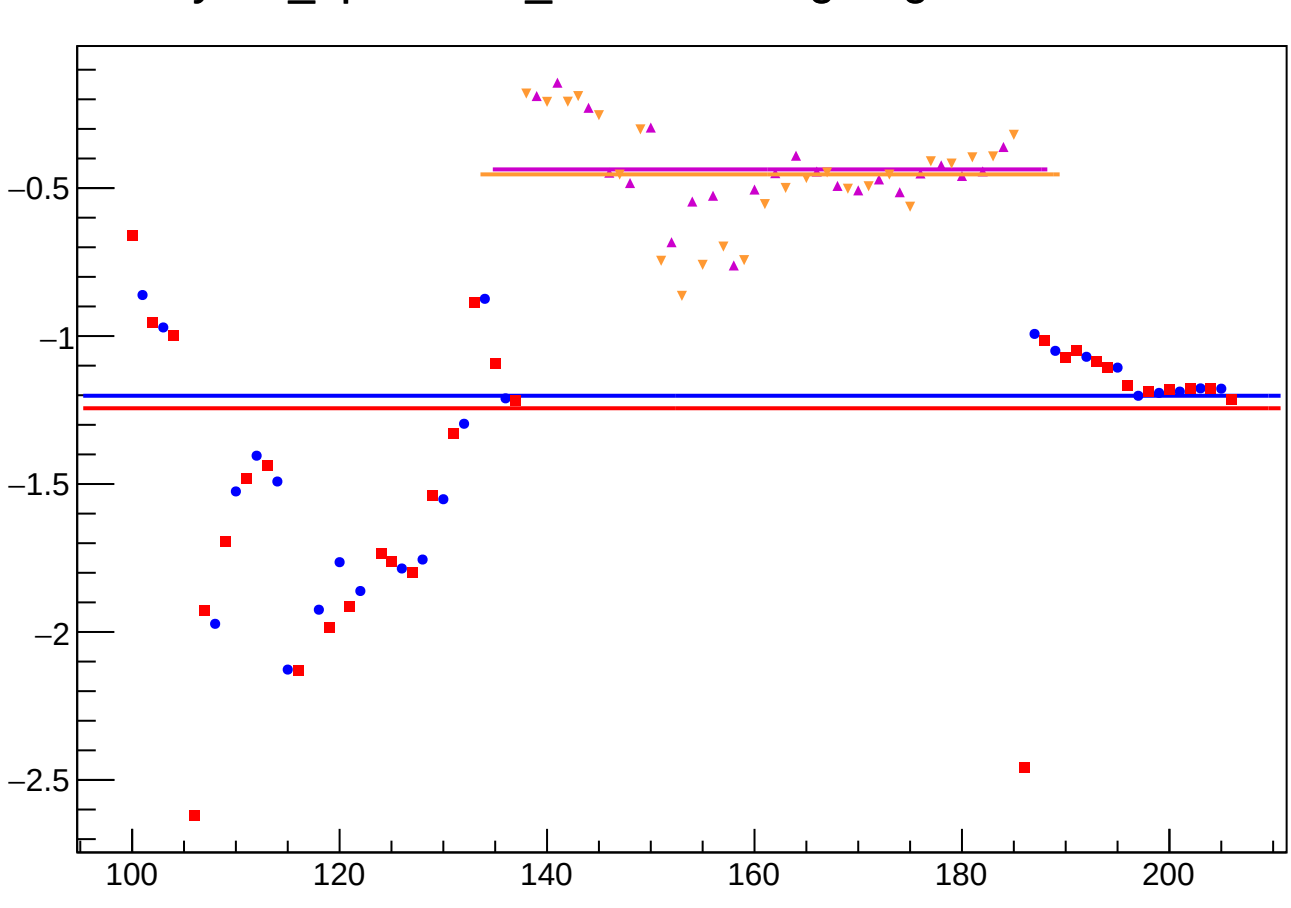
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4835321.7/55

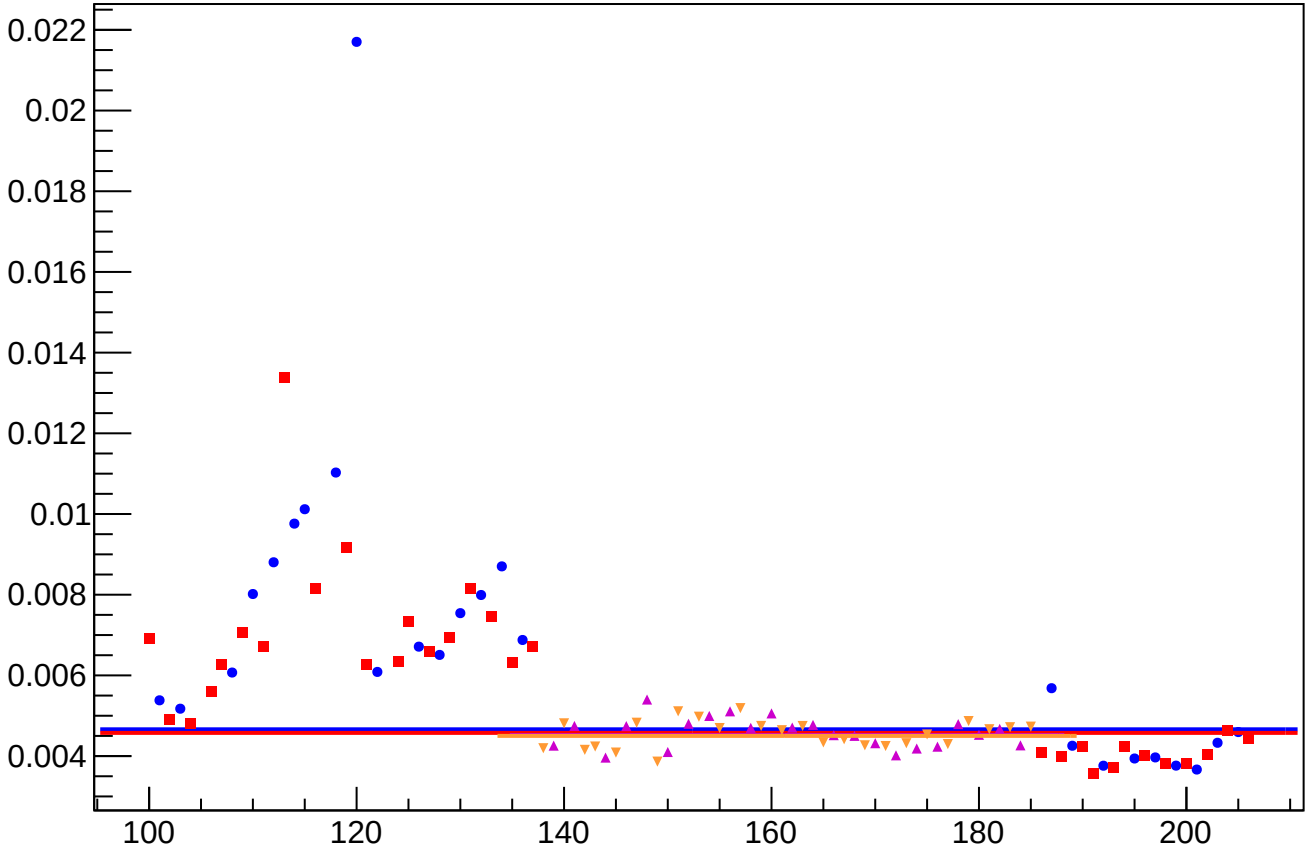
In: 0.006+/-0.000 χ^2/NDF:3744263.8/47

Out: 0.006+/-0.000 χ^2/NDF:3761258.7/55

All: 0.006+/-0.000 χ^2/NDF: 7510633.6/103


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.202+/-0.000 χ²/NDF: 27125078153.5/24
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.244+/-0.000 χ²/NDF: 72207875260.1/30
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.225+/-0.000 χ²/NDF: 99847460304.5/55
In: -0.734+/-0.000 χ²/NDF:228915385880.1/47
Out: -0.792+/-0.000 χ²/NDF:333730481904.7/55
All: -0.765+/-0.000 χ²/NDF: 565009505840.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2143713.3/24

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1846516.4/30

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

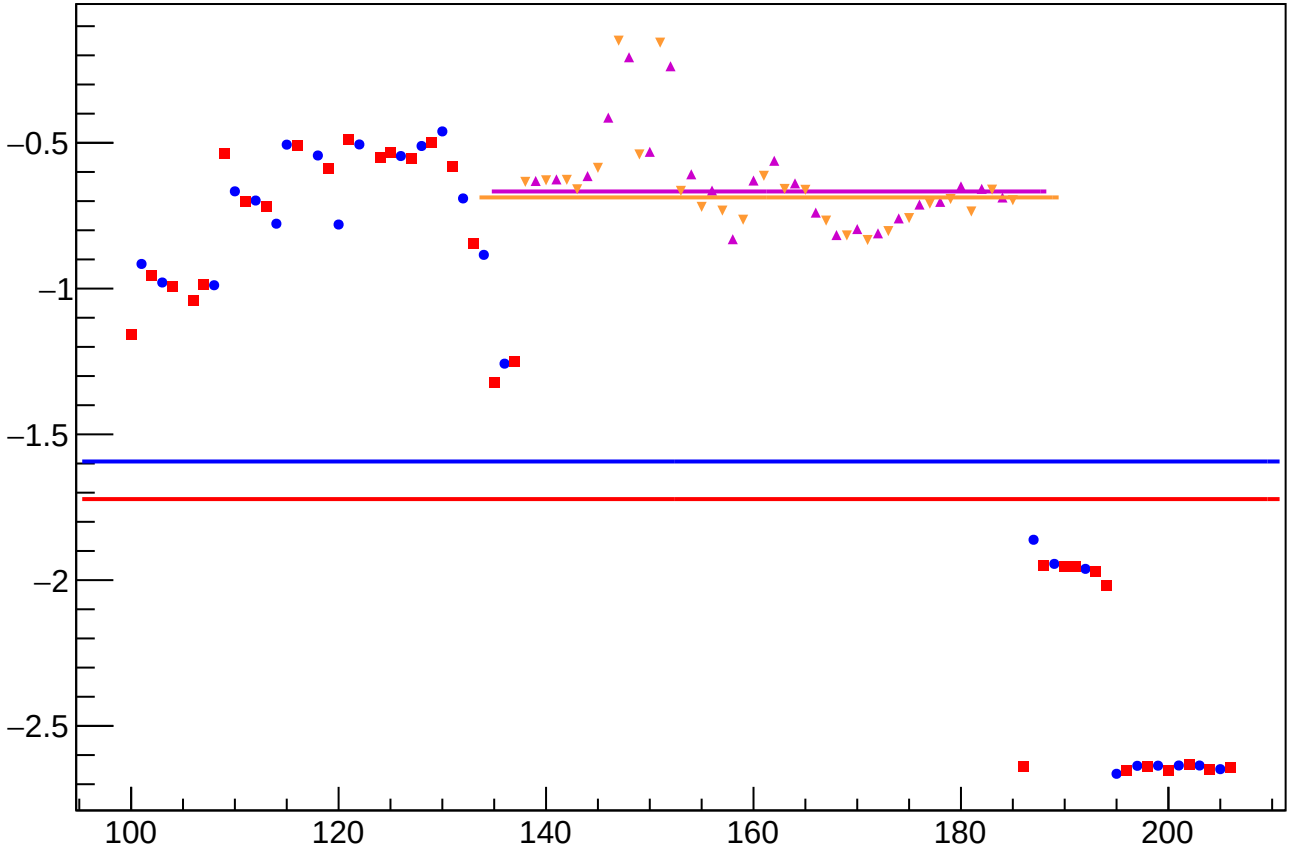
Right: 0.005+/-0.000 χ^2/NDF: 3994736.8/55

In: 0.005+/-0.000 χ^2/NDF:2368749.7/47

Out: 0.005+/-0.000 χ^2/NDF:2039851.3/55

All: 0.005+/-0.000 χ^2/NDF: 4411273.2/103

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.593+/-0.000 χ^2/NDF: 228952487345.9/24

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.722+/-0.000 χ^2/NDF: 298397167355.8/30

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

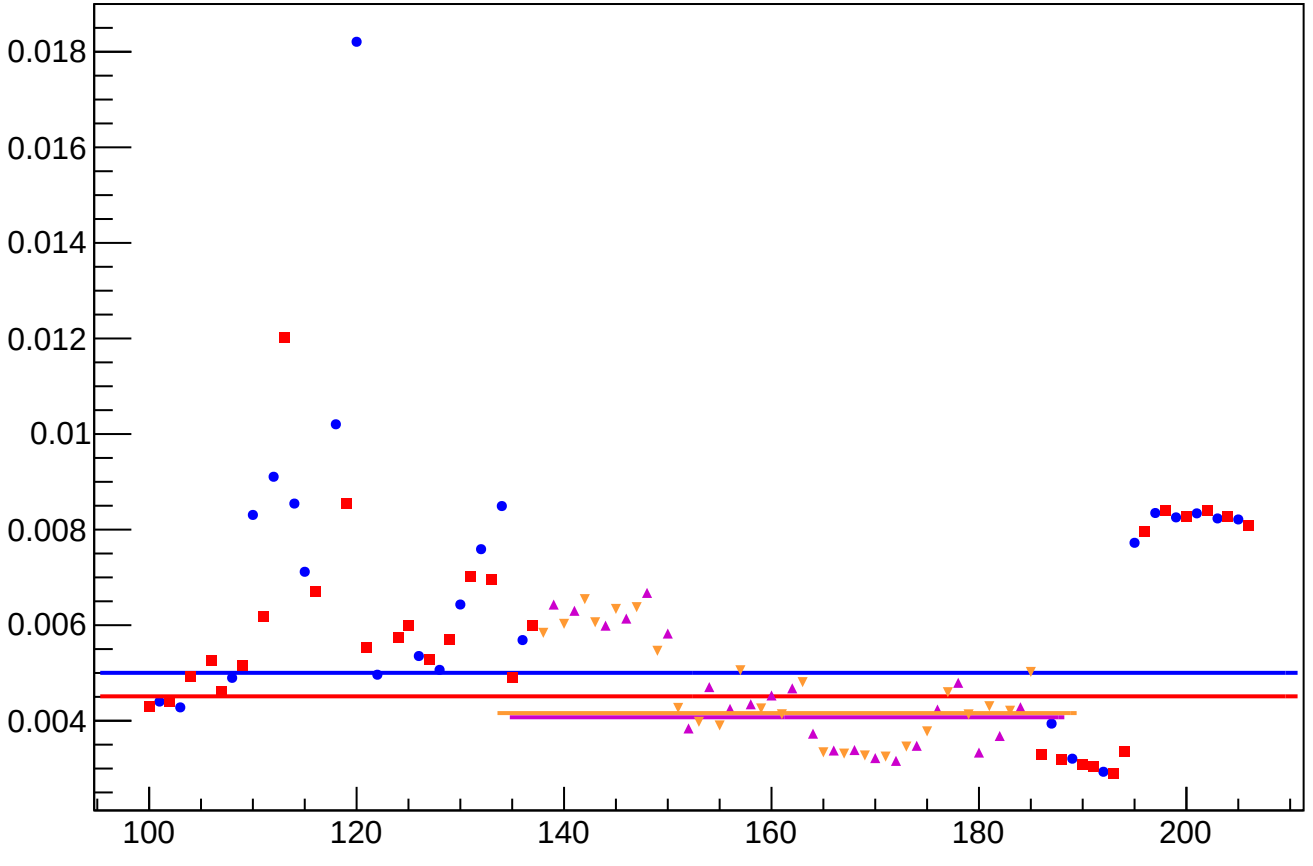
Right: -1.669+/-0.000 χ^2/NDF: 531622193159.1/55

In: -0.957+/-0.000 χ^2/NDF:506842830169.5/47

Out: -1.096+/-0.000 χ^2/NDF:729104736824.3/55

All: -1.031+/-0.000 χ^2/NDF: 1250402636846

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3889369.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4376577.2/30

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

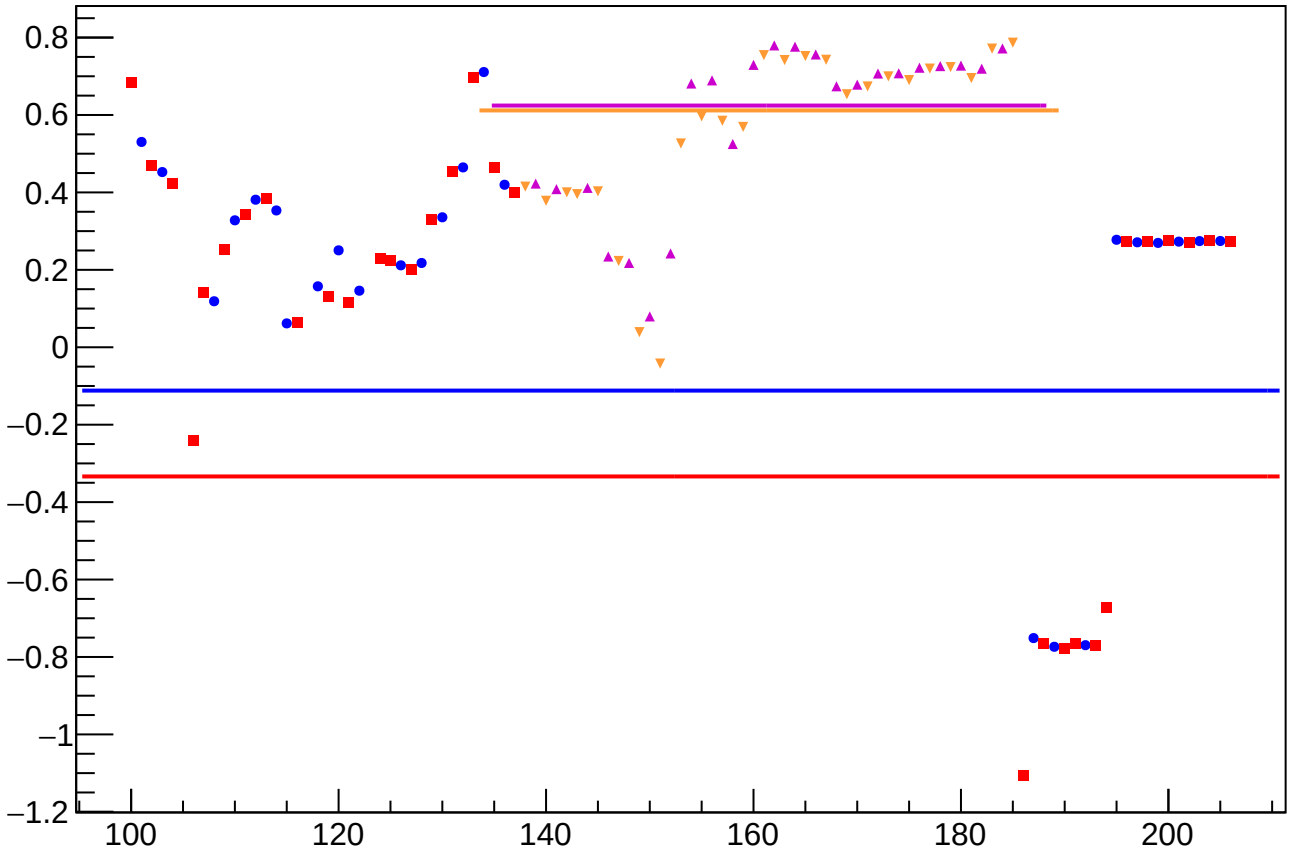
Right: 0.005+/-0.000 χ^2/NDF: 8390198.3/55

In: 0.004+/-0.000 χ^2/NDF:6154893.0/47

Out: 0.004+/-0.000 χ^2/NDF:5990355.4/55

All: 0.004+/-0.000 χ^2/NDF: 12151445.6/103

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.112+/-0.000 χ^2/NDF: 303640020156.8/24

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.334+/-0.000 χ^2/NDF: 488138852760.6/30

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

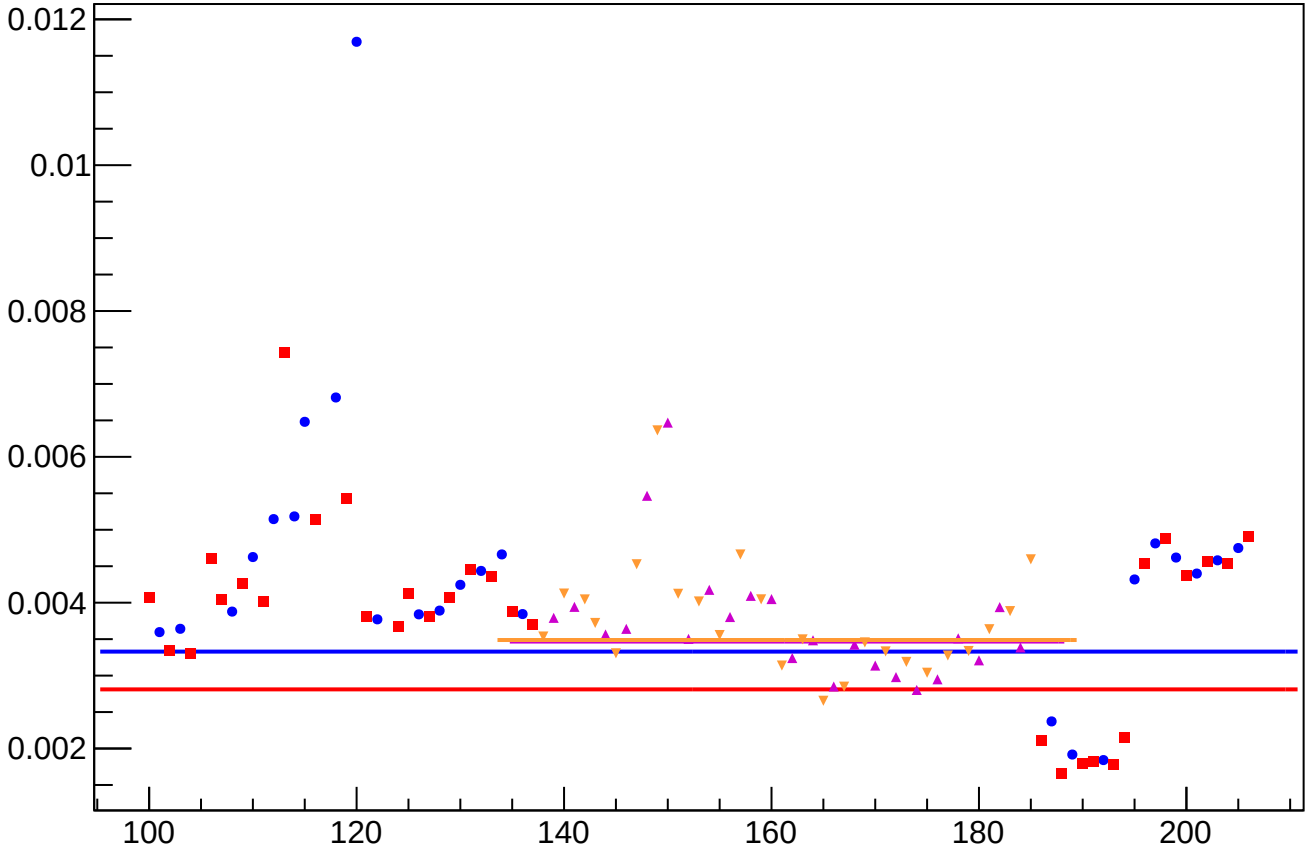
Right: -0.247+/-0.000 χ^2/NDF: 822401944058.1/55

In: 0.296+/-0.000 χ^2/NDF:650184287725.1/47

Out: 0.093+/-0.000 χ^2/NDF:1180273584553.5/55

All: 0.182+/-0.000 χ^2/NDF: 1883149086964.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3370957.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4900448.6/30

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

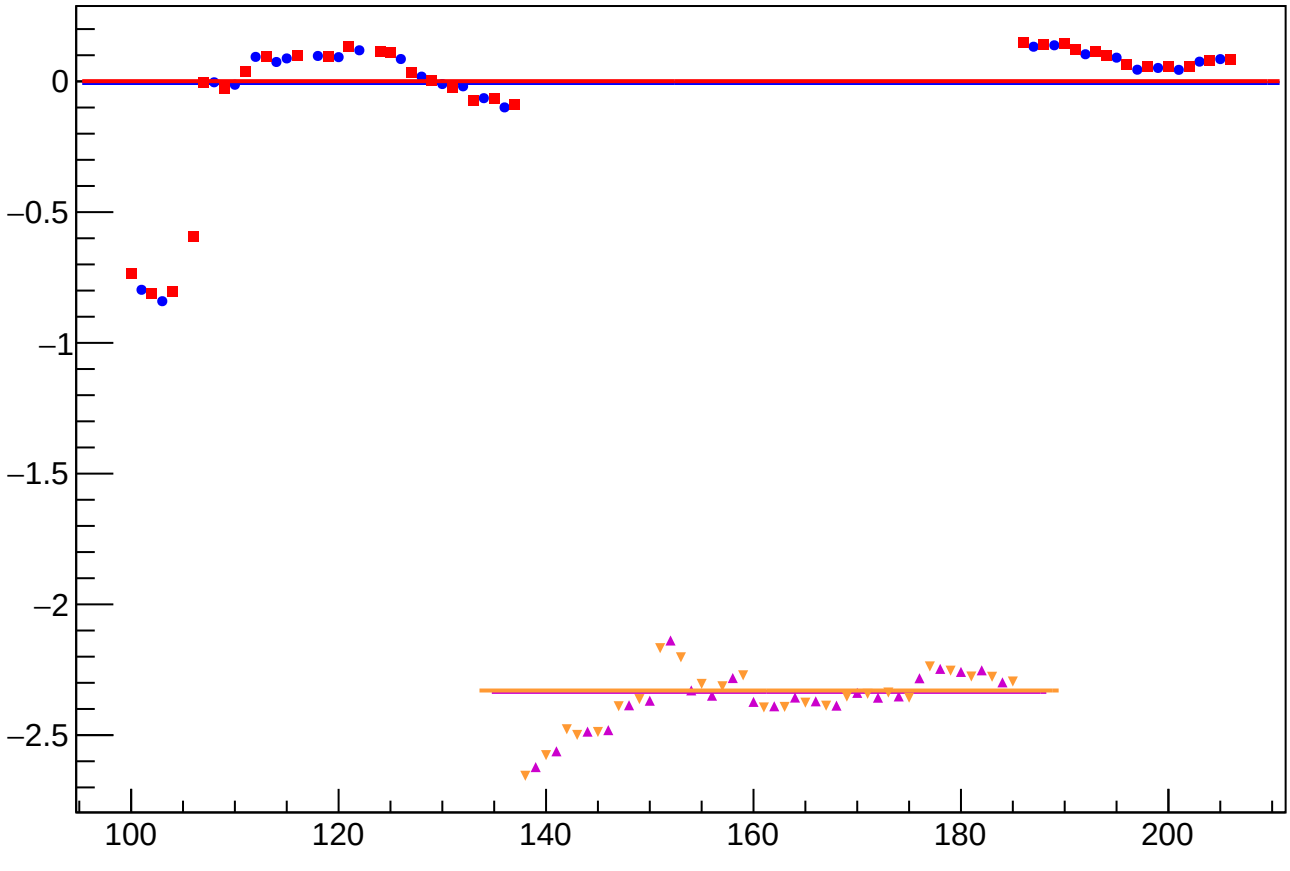
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 8605646.8/55

In: 0.003+/-0.000 χ^2/NDF:4286533.7/47

Out: 0.003+/-0.000 χ^2/NDF:6414064.0/55

All: 0.003+/-0.000 χ^2/NDF: 10914186.7/103



Right In: -0.006+/-0.000 χ^2/NDF: 6465374510.5/24

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7797409054.9/30

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

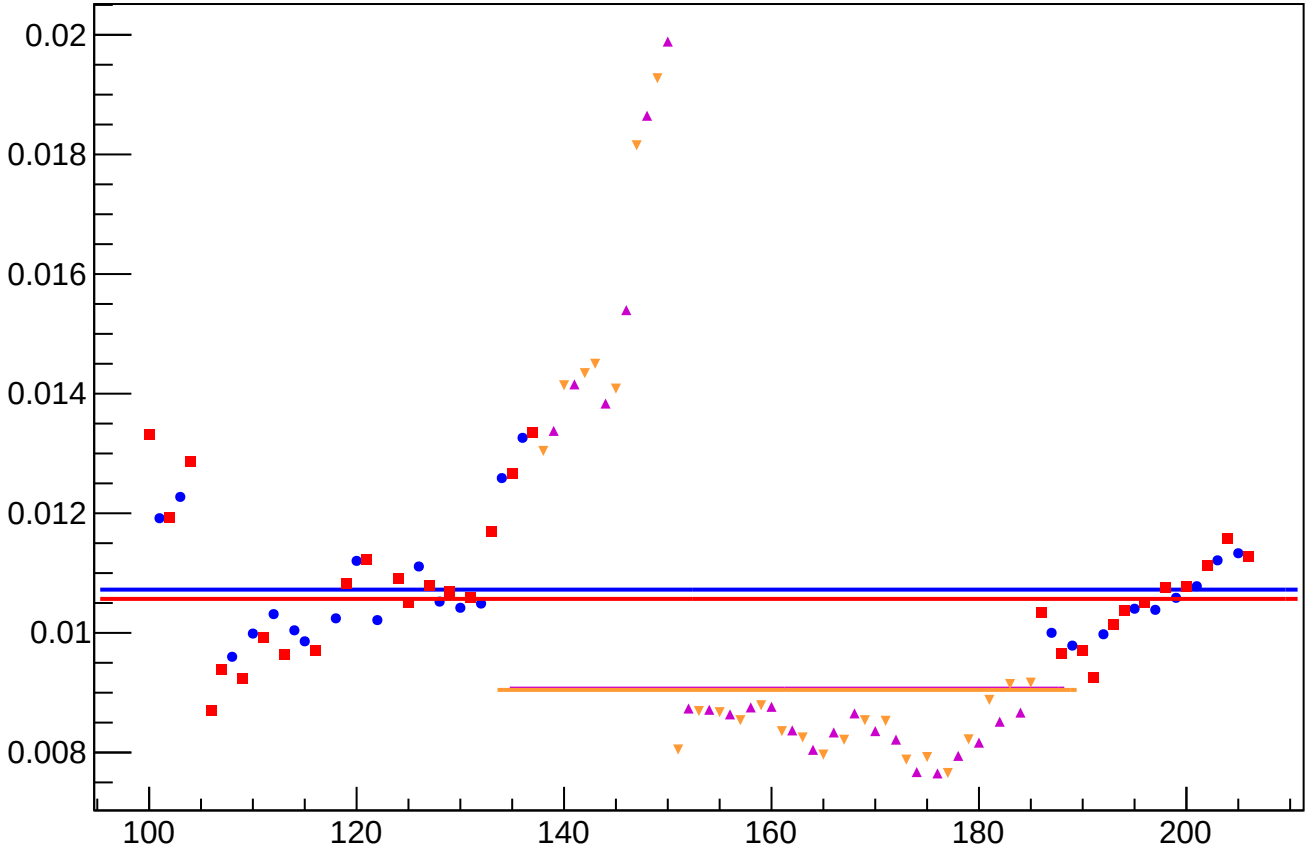
Right: -0.002+/-0.000 χ^2/NDF: 14266050117.6/55

In: -1.480+/-0.000 χ^2/NDF:423410480102.6/47

Out: -1.408+/-0.000 χ^2/NDF:487063606584.6/55

All: -1.442+/-0.000 χ^2/NDF: 911385469732.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 175944.9/24

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 254194.2/30

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

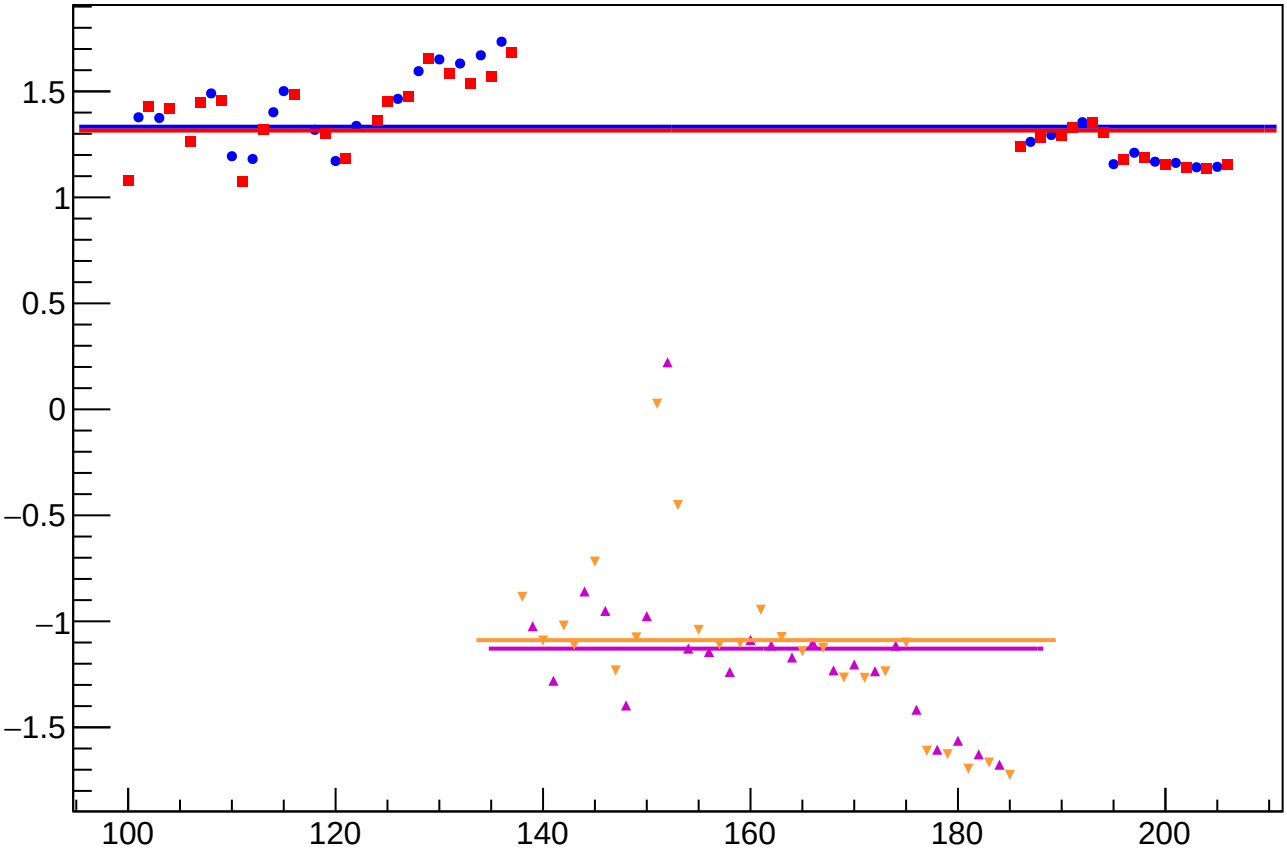
Right: 0.011+/-0.000 χ^2/NDF: 433316.1/55

In: 0.010+/-0.000 χ^2/NDF:2729919.2/47

Out: 0.010+/-0.000 χ^2/NDF:2709850.4/55

All: 0.010+/-0.000 χ^2/NDF: 5440021.0/103

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.333+/-0.000 χ^2/NDF: 7762001314.0/24

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.315+/-0.000 χ^2/NDF: 6313435710.5/30

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

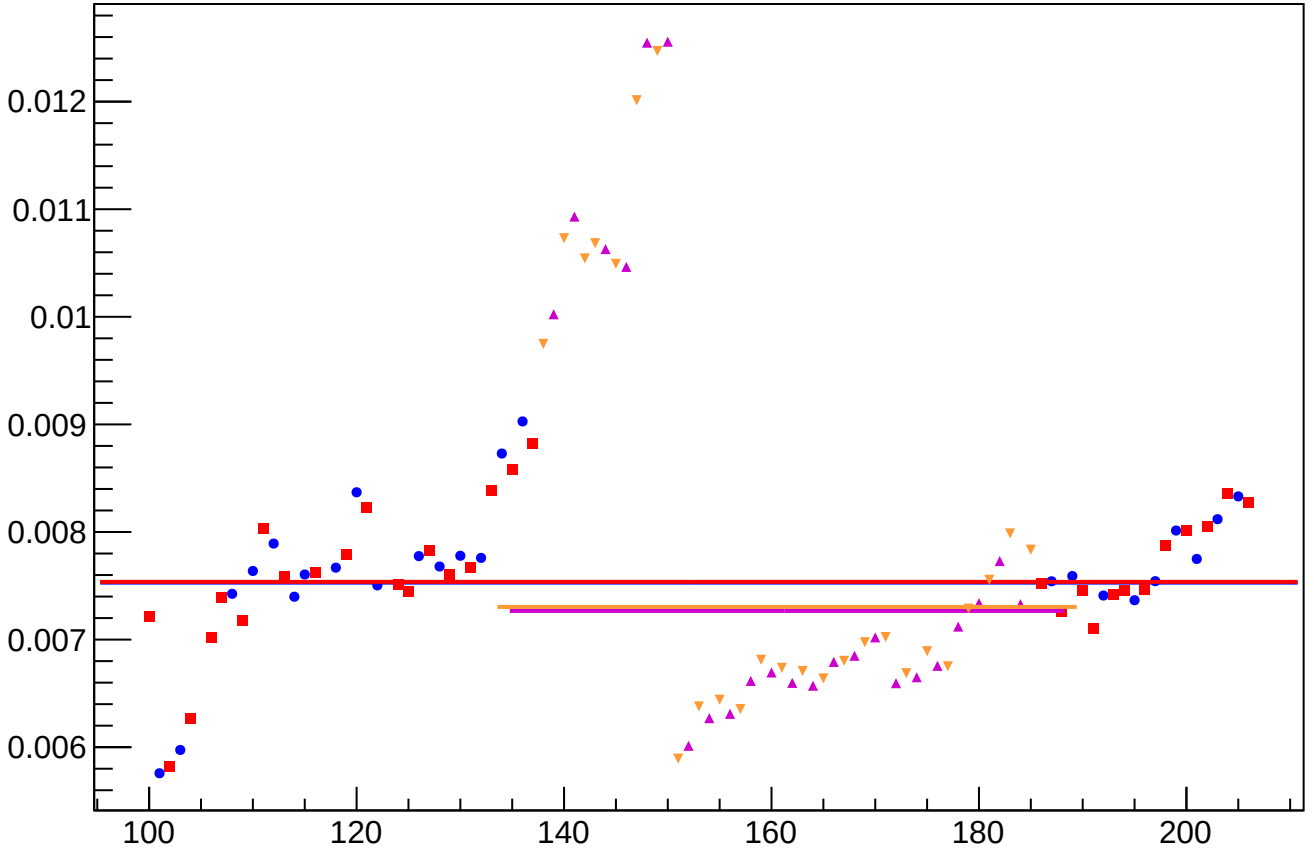
Right: 1.324+/-0.000 χ^2/NDF: 14119140246.6/55

In: -0.083+/-0.000 χ^2/NDF:918430437285.6/47

Out: -0.001+/-0.000 χ^2/NDF:972987914778.9/55

All: -0.040+/-0.000 χ^2/NDF: 1893431081310

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 313885.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 260743.8/30

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

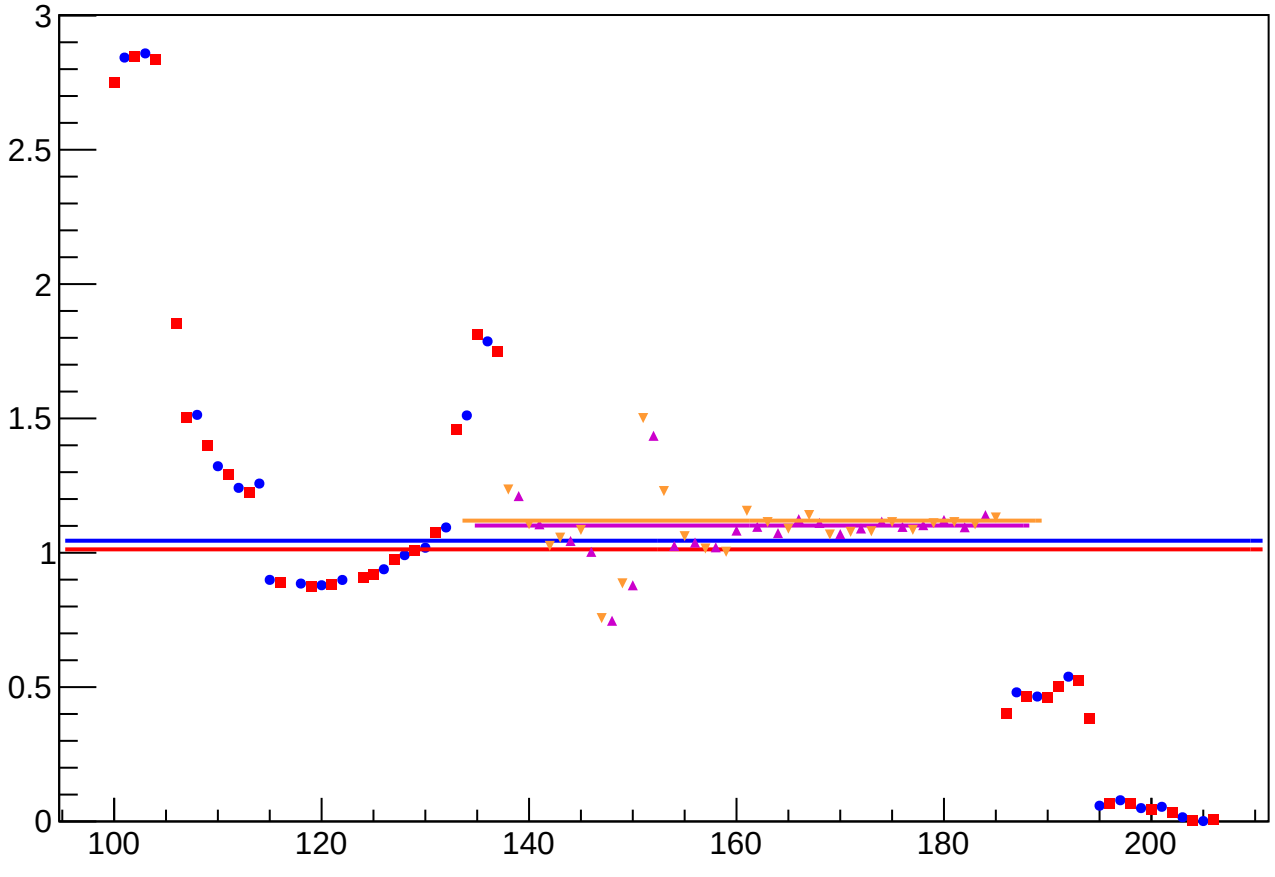
Right: 0.008+/-0.000 χ^2/NDF: 574641.2/55

In: 0.007+/-0.000 χ^2/NDF:1893472.7/47

Out: 0.007+/-0.000 χ^2/NDF:1781850.9/55

All: 0.007+/-0.000 χ^2/NDF: 3675894.1/103

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.045+/-0.000 χ^2/NDF: 125312328545.7/24

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.013+/-0.000 χ^2/NDF: 130642982854.0/30

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

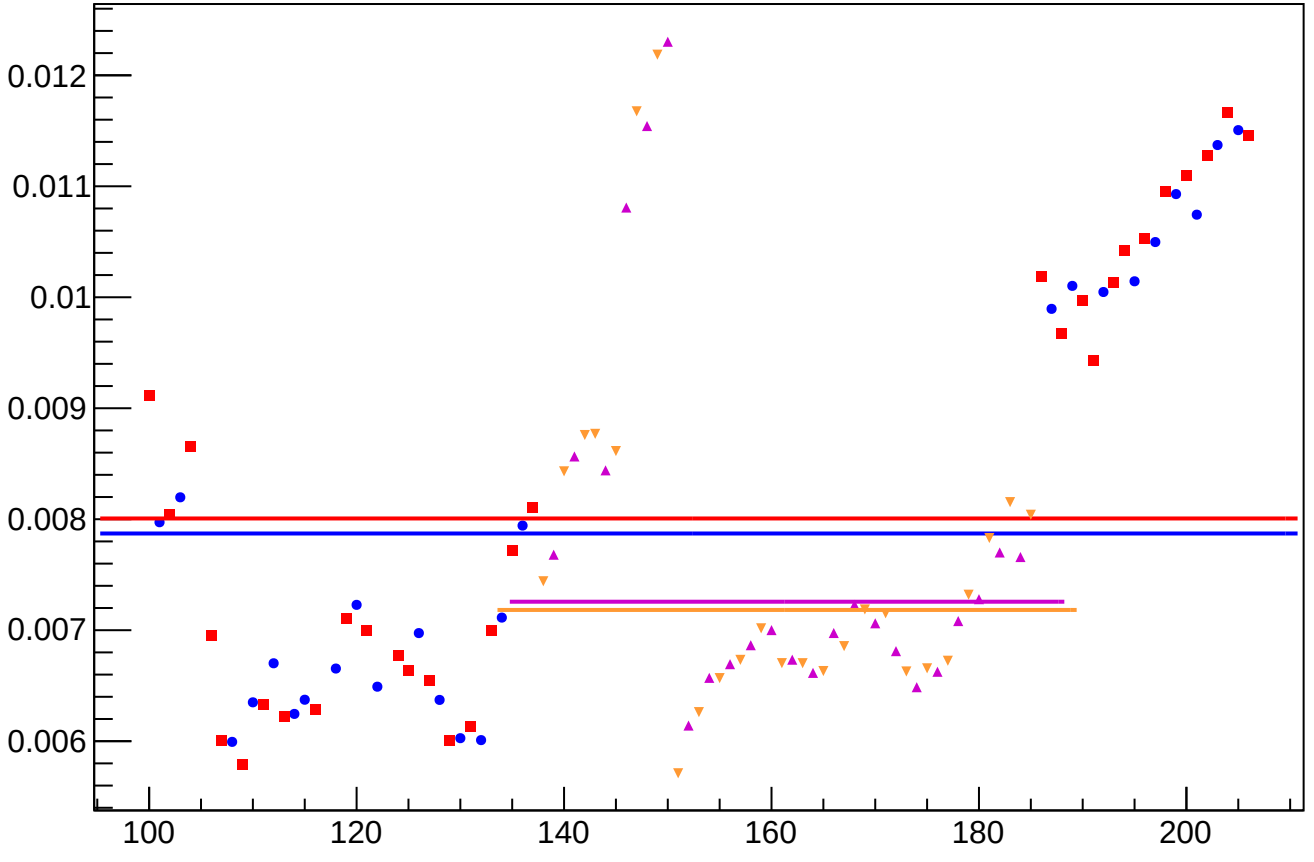
Right: 1.028+/-0.000 χ^2/NDF: 256073052561.6/55

In: 1.079+/-0.000 χ^2/NDF:129929718167.3/47

Out: 1.077+/-0.000 χ^2/NDF:137805771465.2/55

All: 1.078+/-0.000 χ^2/NDF: 267737447985.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1464245.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1871893.8/30

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

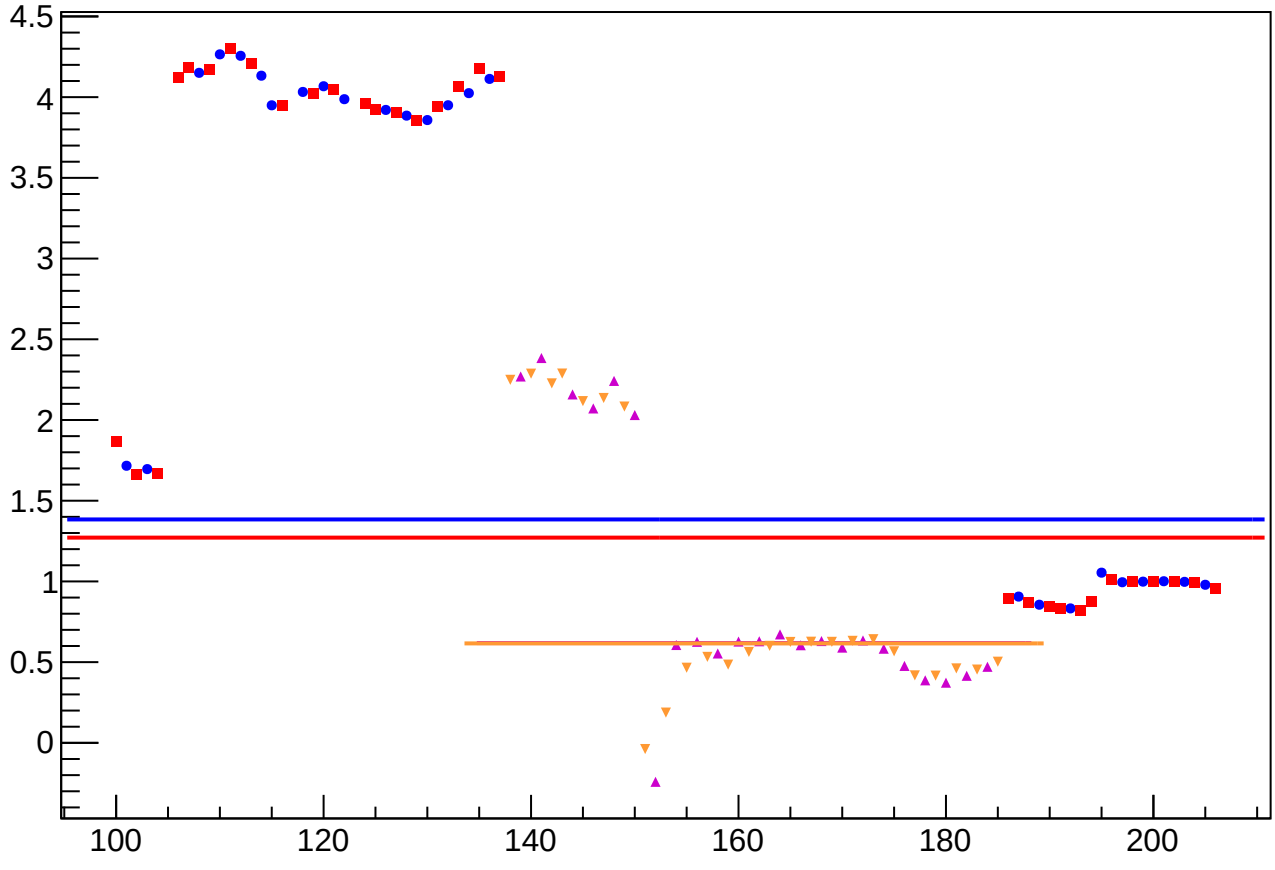
Right: 0.008+/-0.000 χ^2/NDF: 3340293.3/55

In: 0.007+/-0.000 χ^2/NDF:2479440.5/47

Out: 0.008+/-0.000 χ^2/NDF:2961280.8/55

All: 0.008+/-0.000 χ^2/NDF: 5440878.5/103

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.384+/-0.000 χ^2/NDF: 1547243212663.2/24

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.271+/-0.000 χ^2/NDF: 1755616410419.6/30

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

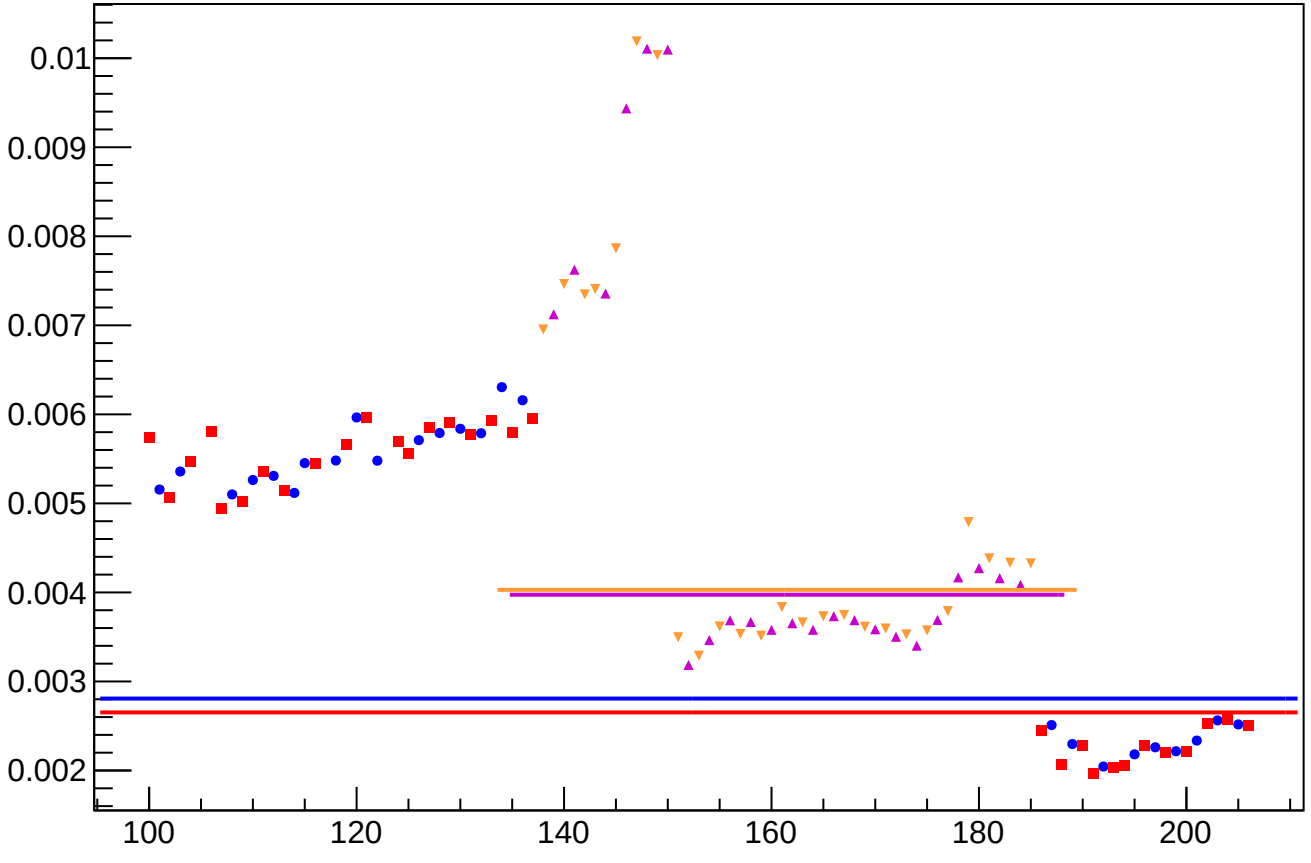
Right: 1.320+/-0.000 χ^2/NDF: 3313237842656.6/55

In: 1.065+/-0.000 χ^2/NDF:2152815278314.6/47

Out: 1.037+/-0.000 χ^2/NDF:2299005025820.7/55

All: 1.050+/-0.000 χ^2/NDF: 4452868283985.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4329302.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4678236.8/30

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

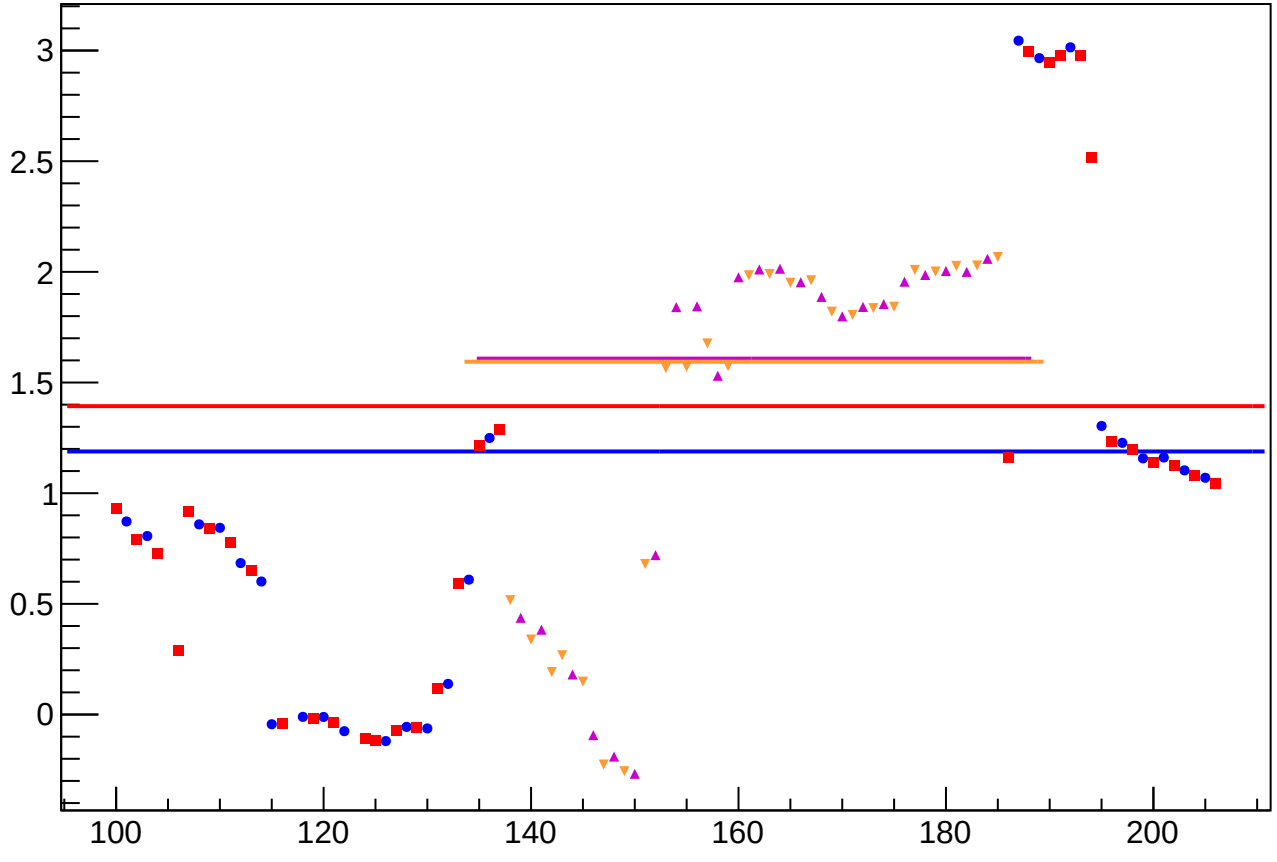
Right: 0.003+/-0.000 χ^2/NDF: 9047089.8/55

In: 0.003+/-0.000 χ^2/NDF:9080411.1/47

Out: 0.003+/-0.000 χ^2/NDF:10216189.5/55

All: 0.003+/-0.000 χ^2/NDF: 19356223.5/103

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.189+/-0.000 χ^2/NDF: 77599784434.3/24

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.393+/-0.000 χ^2/NDF: 105628416409.1/30

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

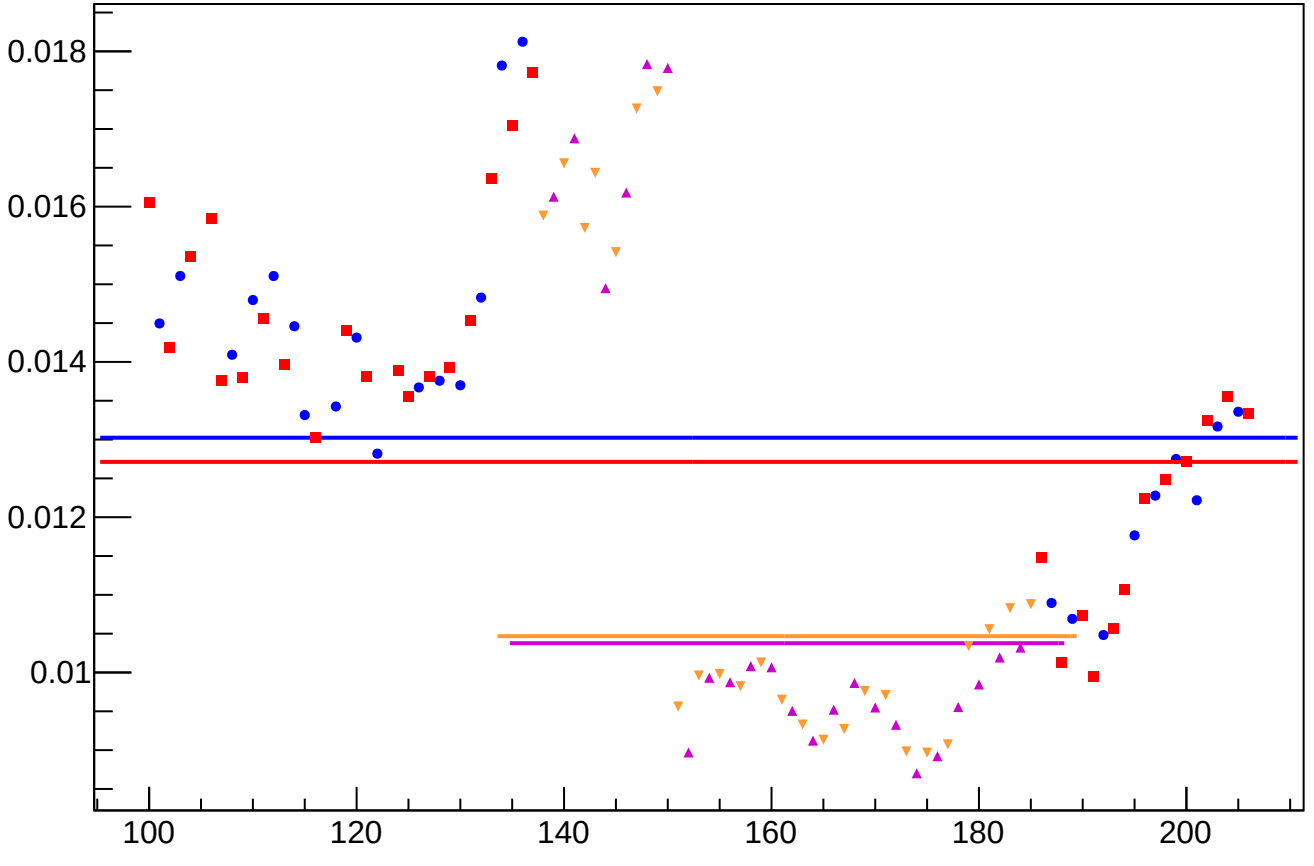
Right: 1.301+/-0.000 χ^2/NDF: 185084316713.5/55

In: 1.468+/-0.000 χ^2/NDF:153450875219.3/47

Out: 1.520+/-0.000 χ^2/NDF:170756625225.0/55

All: 1.495+/-0.000 χ^2/NDF: 324548188295.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 503095.9/24

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 605632.4/30

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

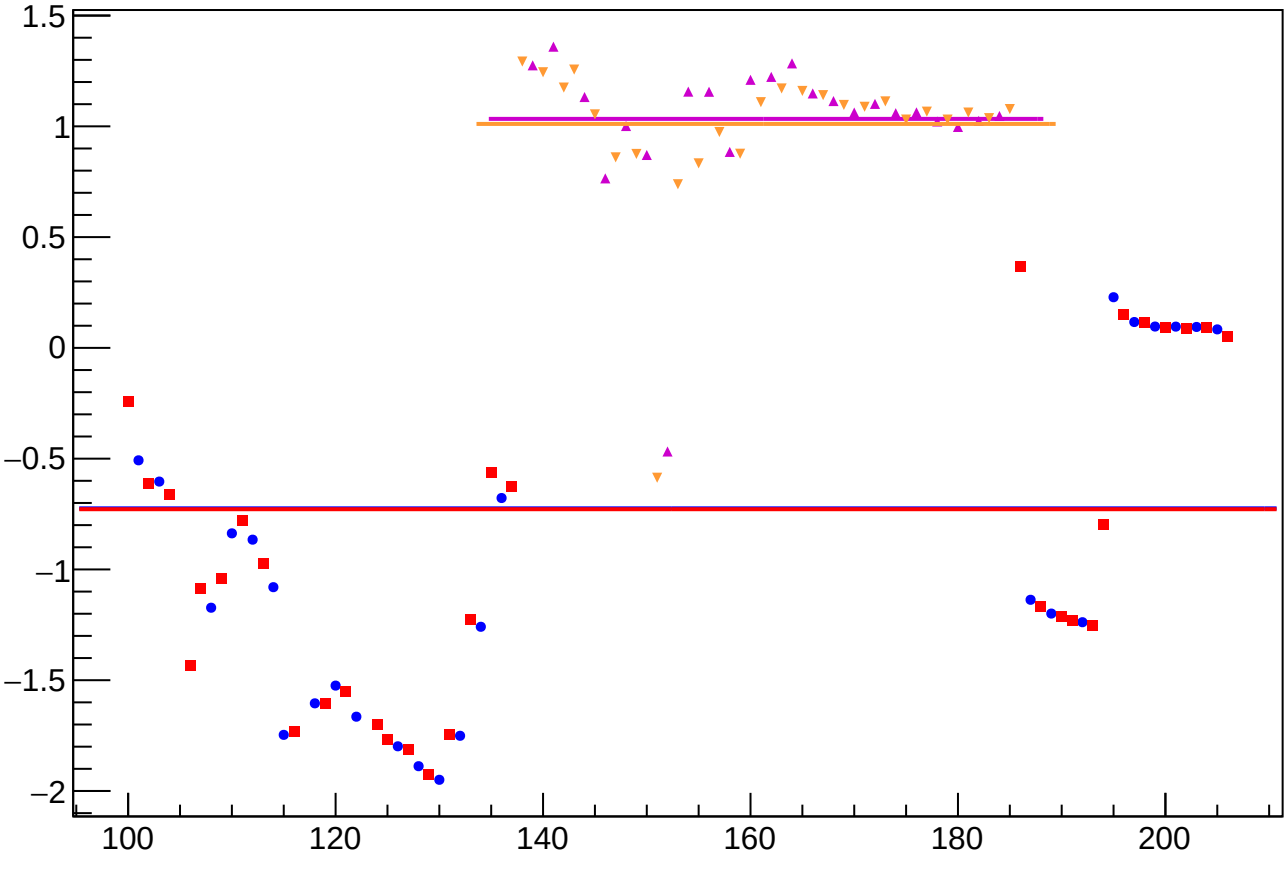
Right: 0.013+/-0.000 χ^2/NDF: 1117304.5/55

In: 0.011+/-0.000 χ^2/NDF:2965712.6/47

Out: 0.011+/-0.000 χ^2/NDF:2889926.9/55

All: 0.011+/-0.000 χ^2/NDF: 5855999.7/103

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.724+/-0.000 χ^2/NDF: 171375997397.5/24

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.728+/-0.000 χ^2/NDF: 169163024599.5/30

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

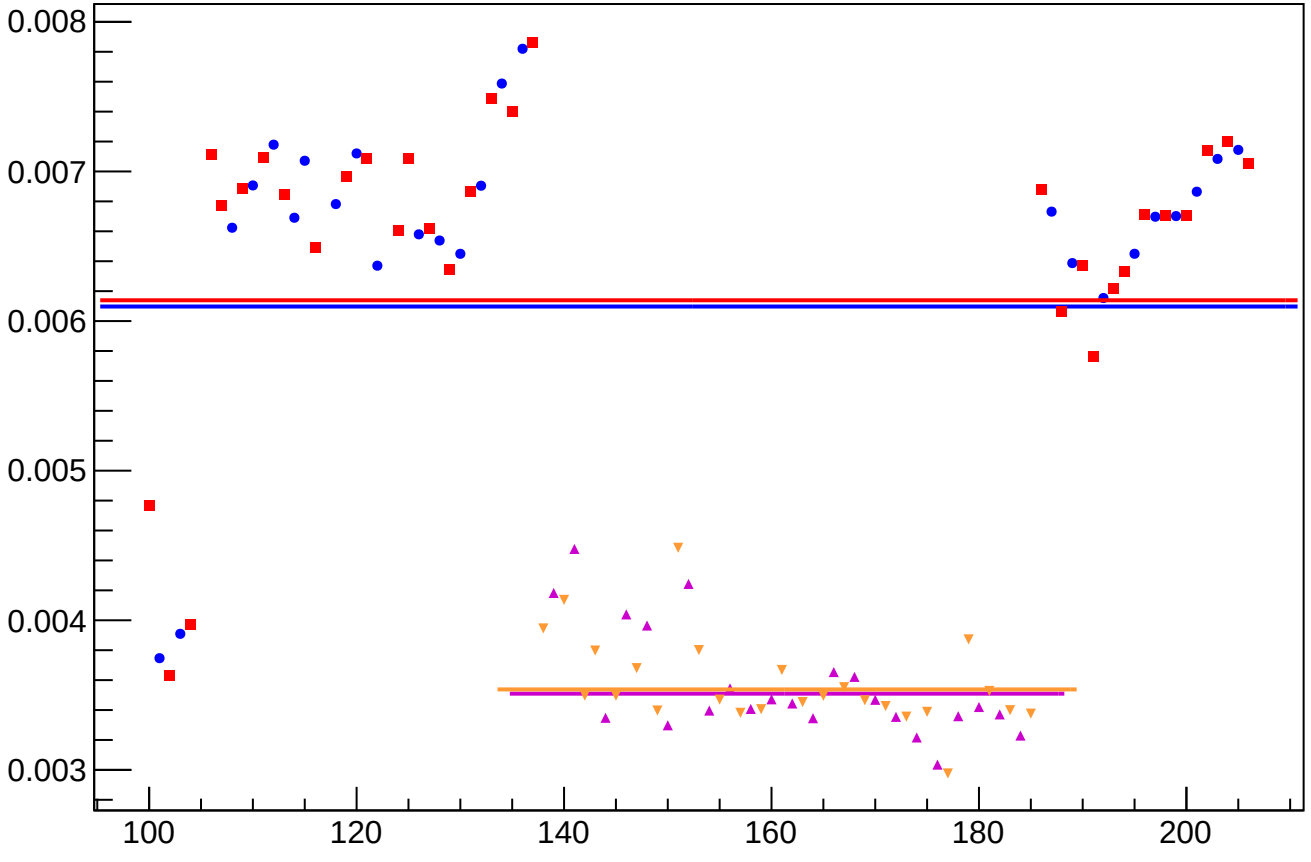
Right: -0.726+/-0.000 χ^2/NDF: 340541853041.6/55

In: 0.675+/-0.000 χ^2/NDF:1145721093356.6/47

Out: 0.627+/-0.000 χ^2/NDF:1217385486230.1/55

All: 0.650+/-0.000 χ^2/NDF: 2365055929981.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1140381.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1216398.6/30

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

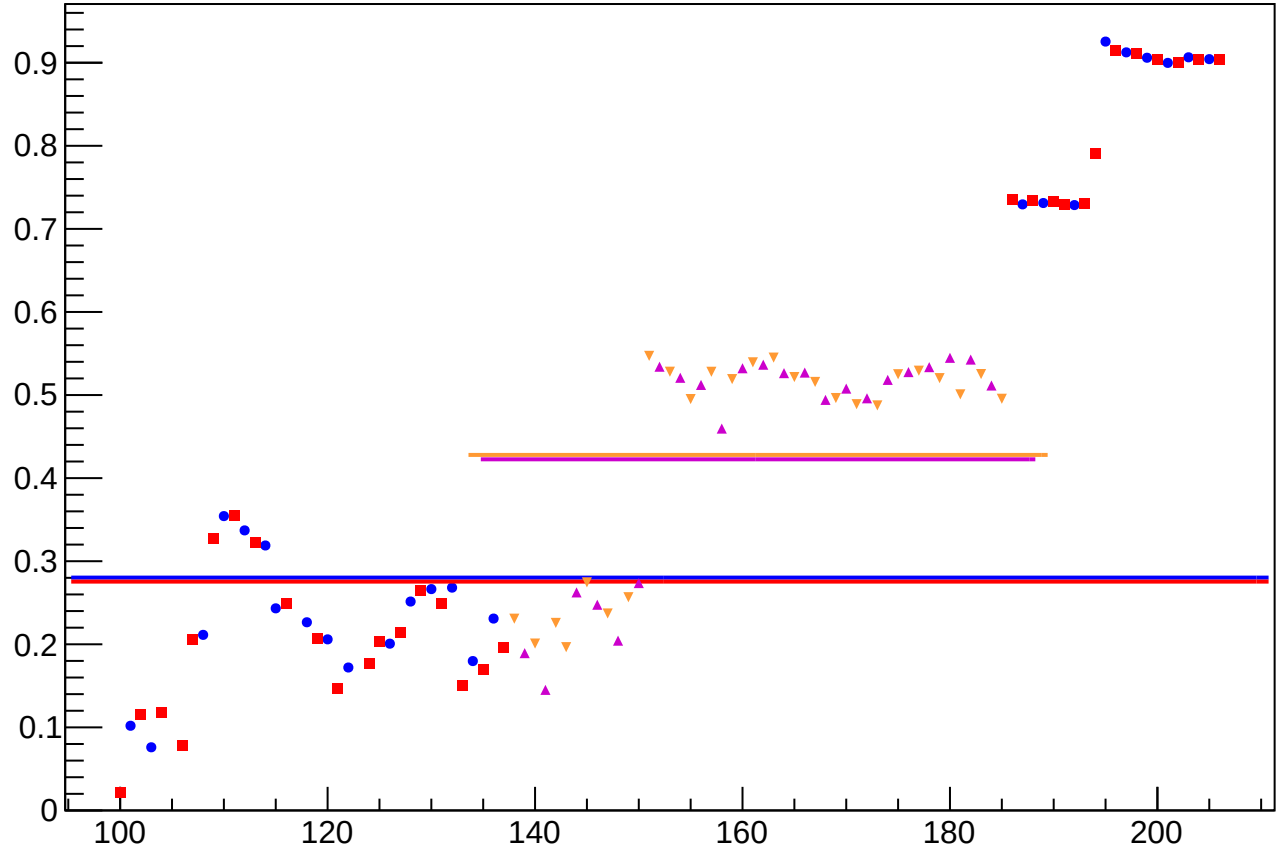
Right: 0.006+/-0.000 χ^2/NDF: 2357424.0/55

In: 0.004+/-0.000 χ^2/NDF:5104489.4/47

Out: 0.004+/-0.000 χ^2/NDF:5624566.9/55

All: 0.004+/-0.000 χ^2/NDF: 10738476.3/103

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.280+/-0.000 χ^2/NDF: 155569816569.4/24

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.275+/-0.000 χ^2/NDF: 194653985214.7/30

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

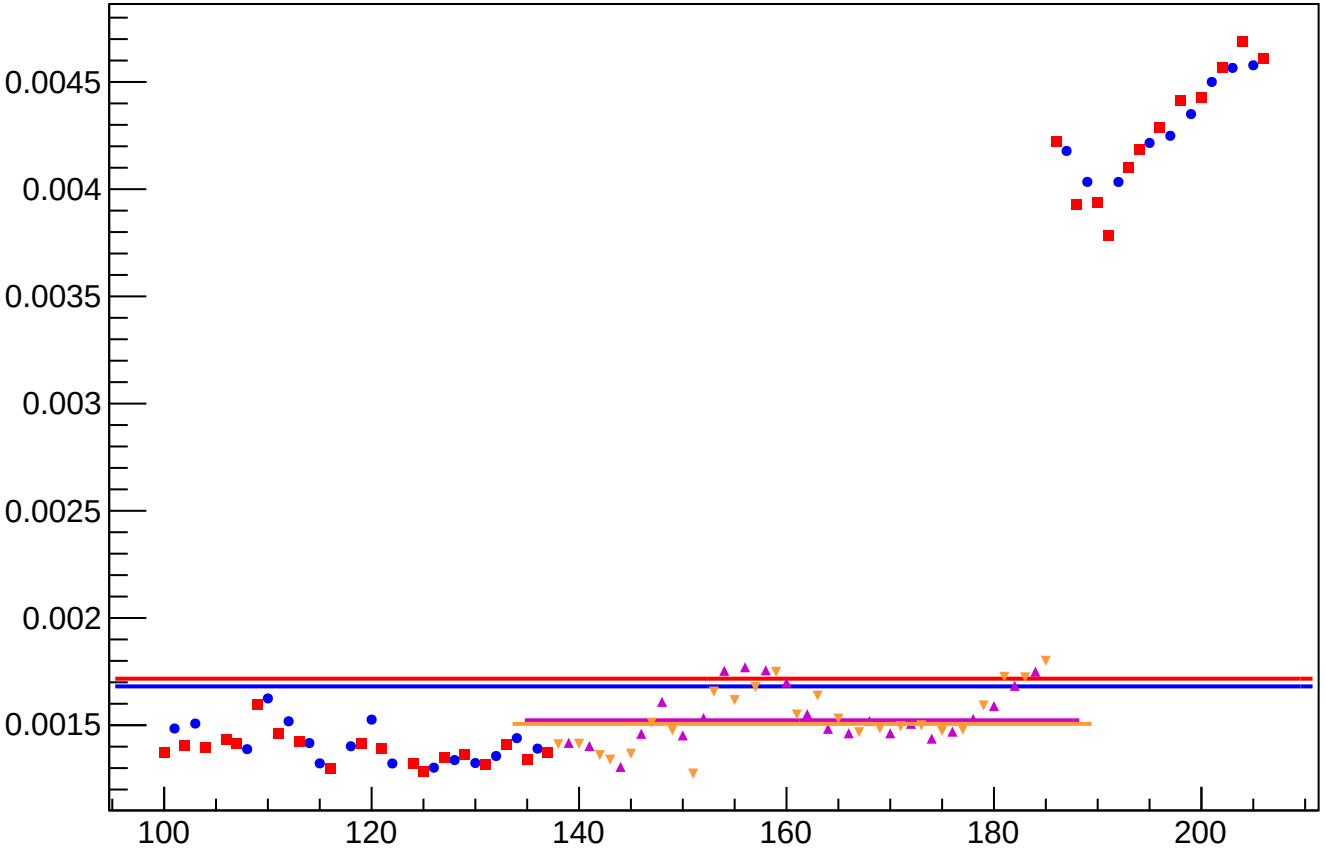
Right: 0.278+/-0.000 χ^2/NDF: 350270960105.5/55

In: 0.375+/-0.000 χ^2/NDF:366068637321.7/47

Out: 0.376+/-0.000 χ^2/NDF:414359526365.1/55

All: 0.376+/-0.000 χ^2/NDF: 780438634579.5

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5663606.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7295767.8/30

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

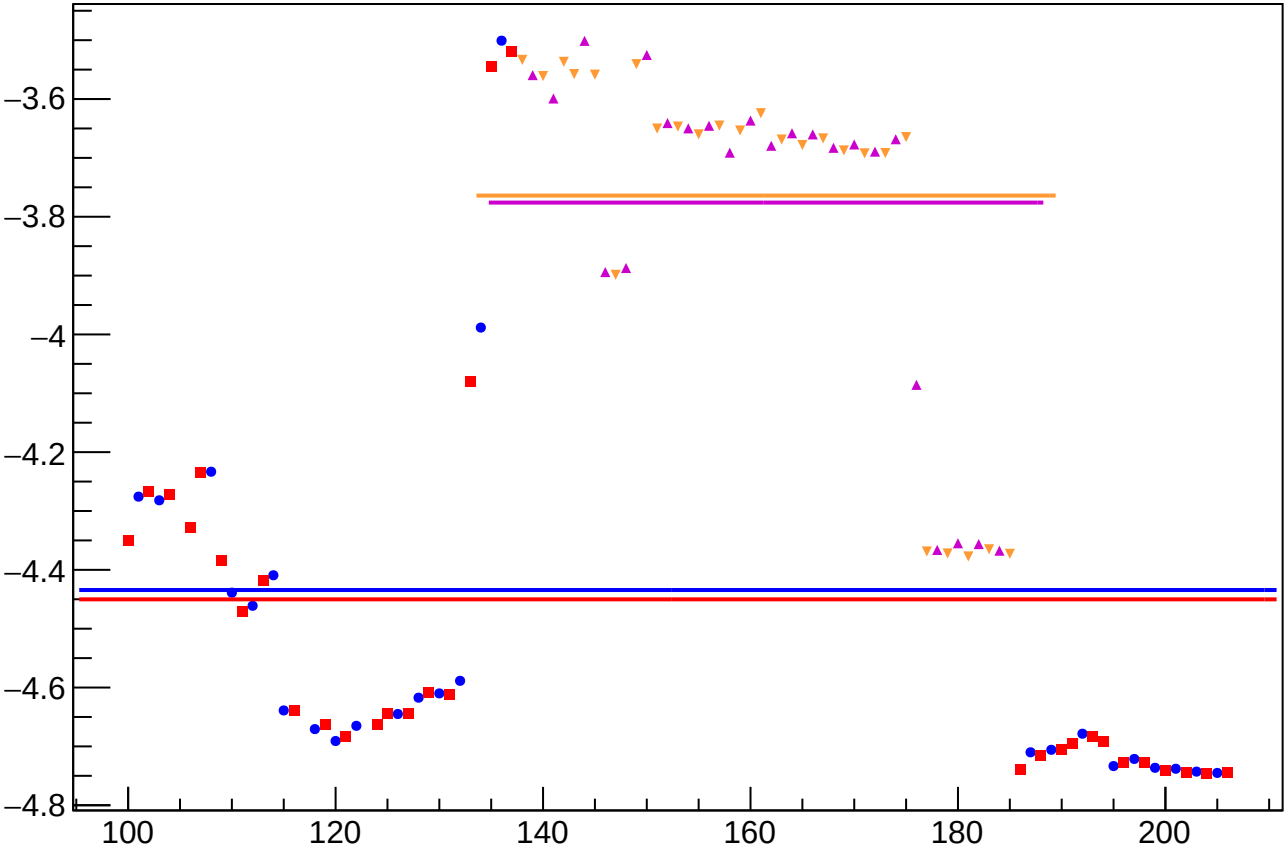
Right: 0.002+/-0.000 χ^2/NDF: 12964655.0/55

In: 0.002+/-0.000 χ^2/NDF:6027534.7/47

Out: 0.002+/-0.000 χ^2/NDF:7826581.8/55

All: 0.002+/-0.000 χ^2/NDF: 13854154.0/103

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.434+/-0.000 χ^2/NDF: 416907293973.2/24

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.450+/-0.000 χ^2/NDF: 374303617358.3/30

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

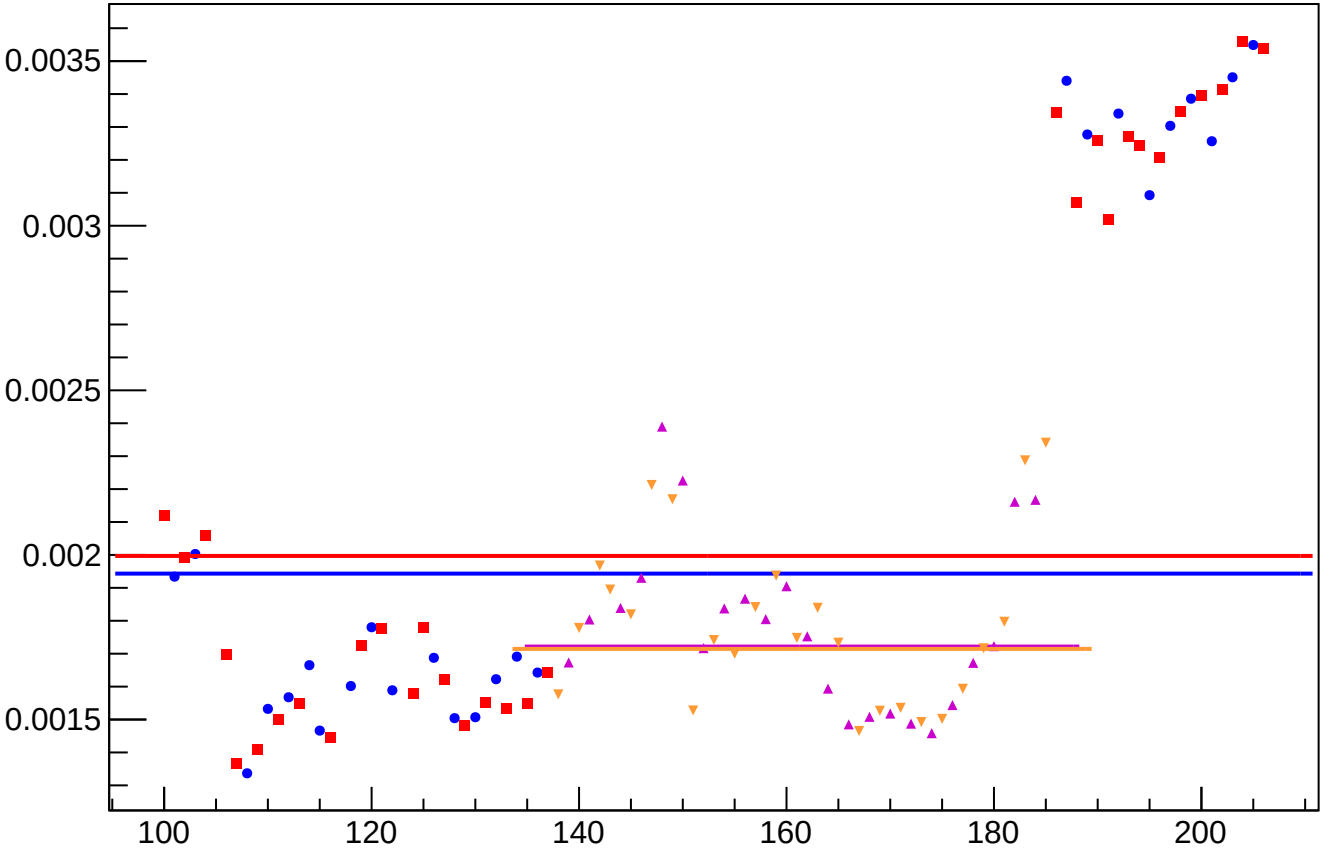
Right: -4.443+/-0.000 χ^2/NDF: 791637431315.8/55

In: -4.008+/-0.000 χ^2/NDF:1725481847051.5/47

Out: -4.011+/-0.000 χ^2/NDF:1928261043670.2/55

All: -4.010+/-0.000 χ^2/NDF: 3653793308727

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3051468.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3852153.9/30

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

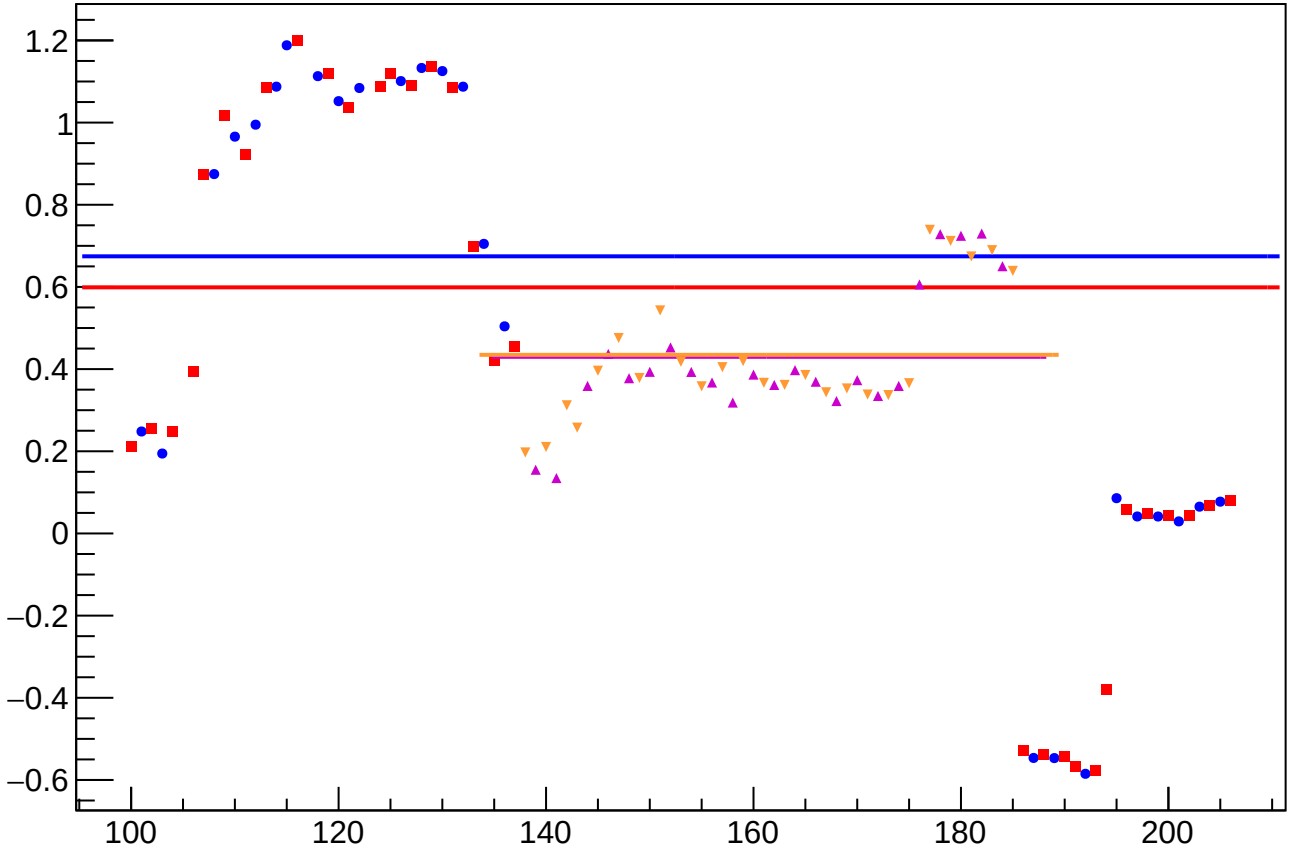
Right: 0.002+/-0.000 χ^2/NDF: 6913370.8/55

In: 0.002+/-0.000 χ^2/NDF:3838704.9/47

Out: 0.002+/-0.000 χ^2/NDF:4777041.9/55

All: 0.002+/-0.000 χ^2/NDF: 8618357.4/103

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.674+/-0.000 χ^2/NDF: 63934253920.7/24

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.599+/-0.000 χ^2/NDF: 86843714019.7/30

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

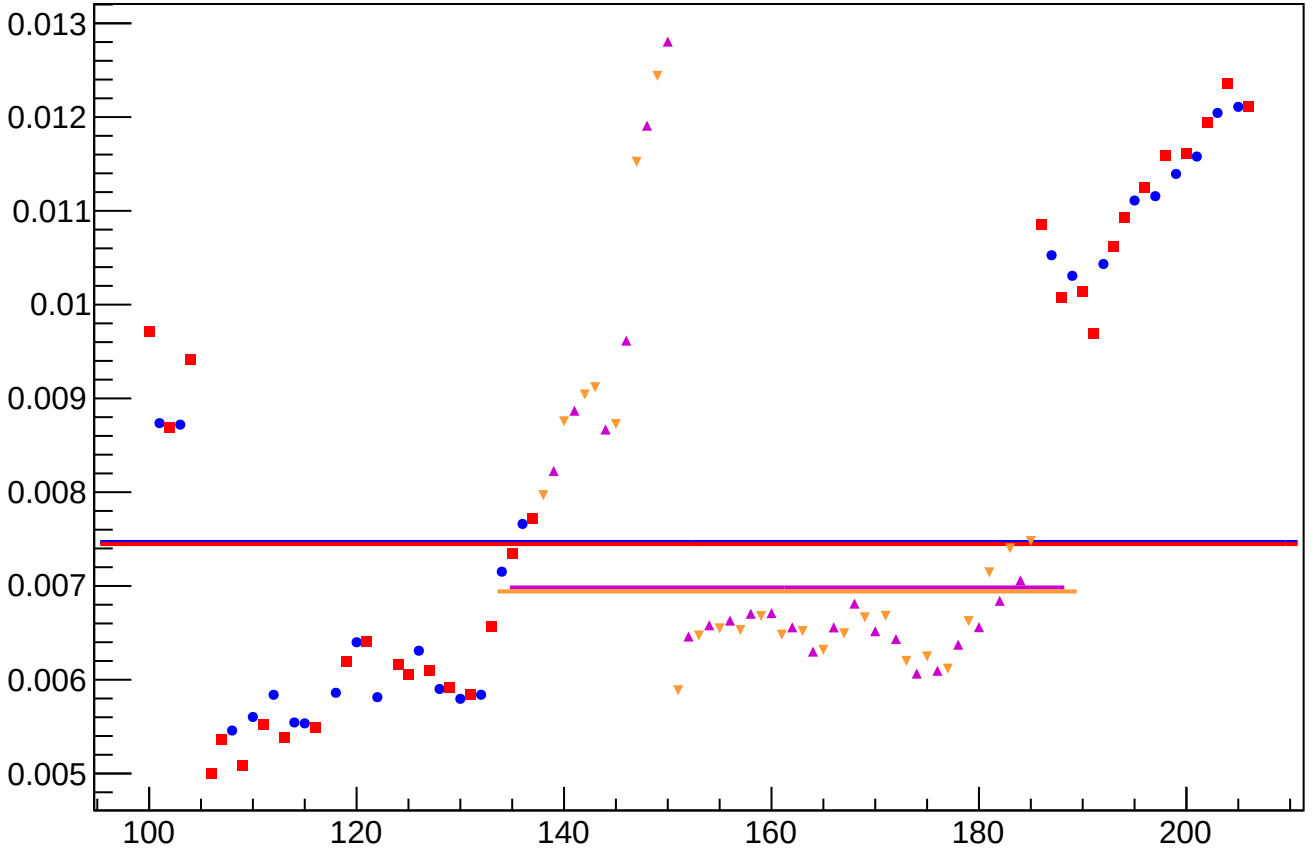
Right: 0.634+/-0.000 χ^2/NDF: 151481704762.0/55

In: 0.525+/-0.000 χ^2/NDF:81389214819.3/47

Out: 0.502+/-0.000 χ^2/NDF:99620643710.0/55

All: 0.513+/-0.000 χ^2/NDF: 181177644330.0

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2360546.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3204735.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

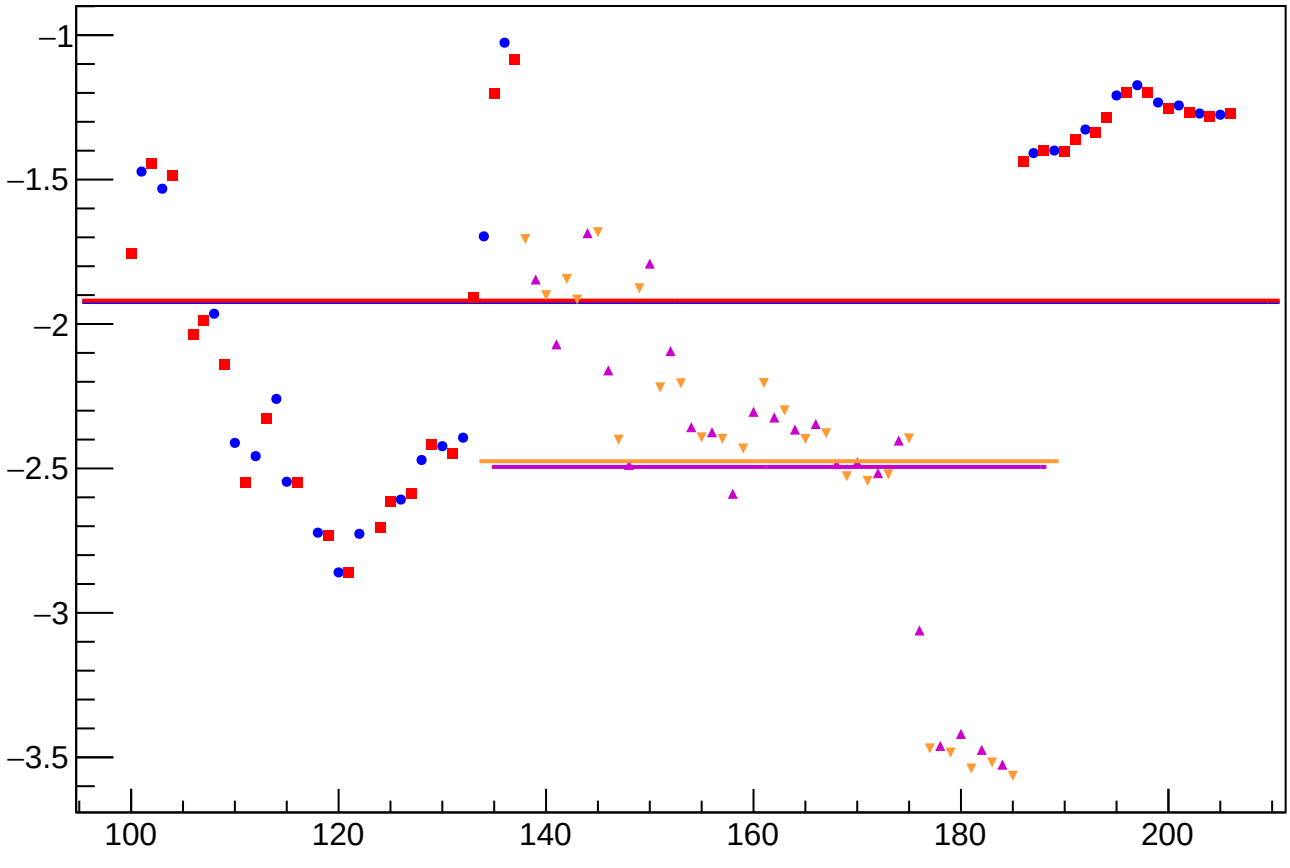
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.007+/-0.000 χ^2/NDF: 5565406.5/55

In: 0.007+/-0.000 χ^2/NDF:3563222.9/47

Out: 0.007+/-0.000 χ^2/NDF:4376092.3/55

All: 0.007+/-0.000 χ^2/NDF: 7939698.1/103



Right In: -1.924+/-0.000 χ^2/NDF: 105169401996.1/24

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.919+/-0.000 χ^2/NDF: 106379527329.4/30

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

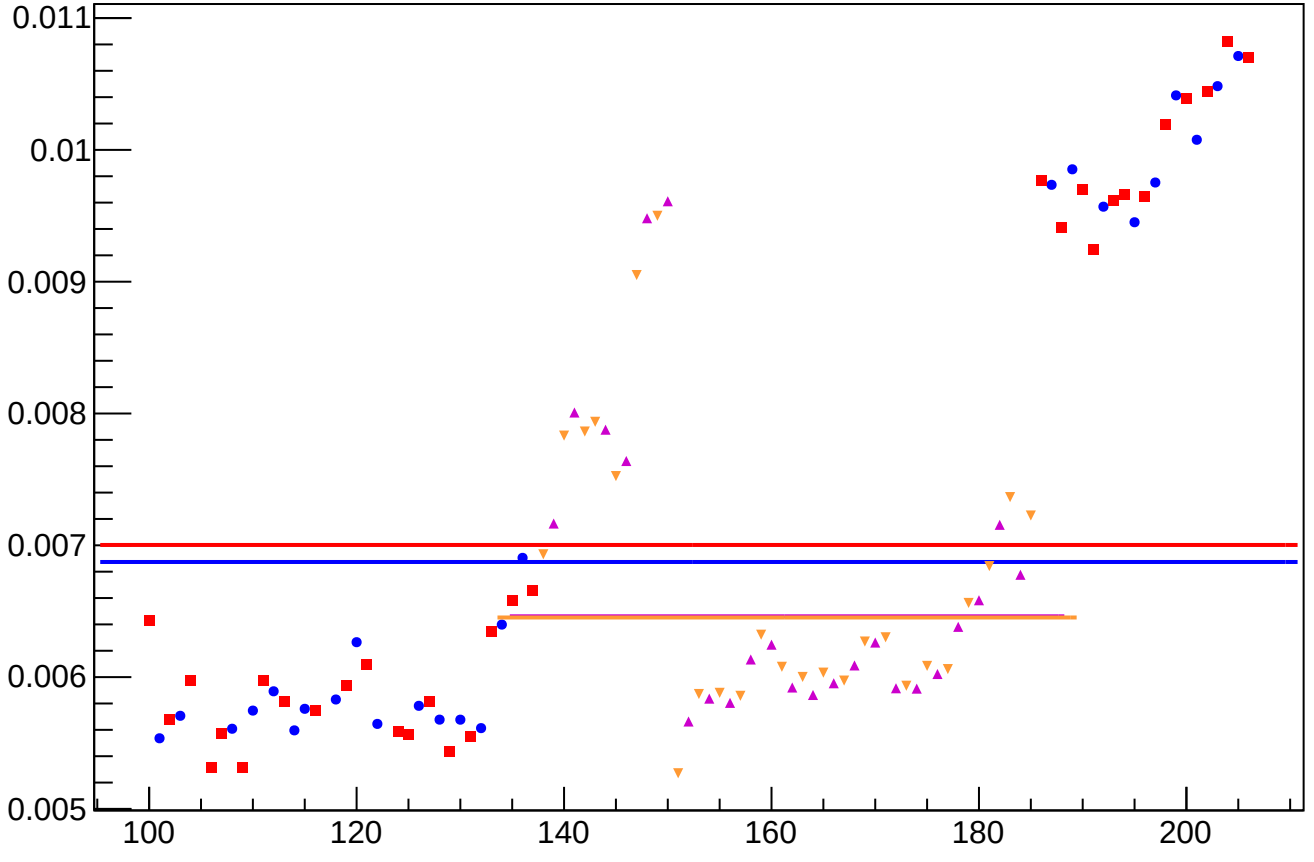
Right: -1.921+/-0.000 χ^2/NDF: 211552087929.6/55

In: -2.270+/-0.000 χ^2/NDF:256964481432.1/47

Out: -2.249+/-0.000 χ^2/NDF:286405483487.9/55

All: -2.259+/-0.000 χ^2/NDF: 543535772411.3

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1852009.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2350379.2/30

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

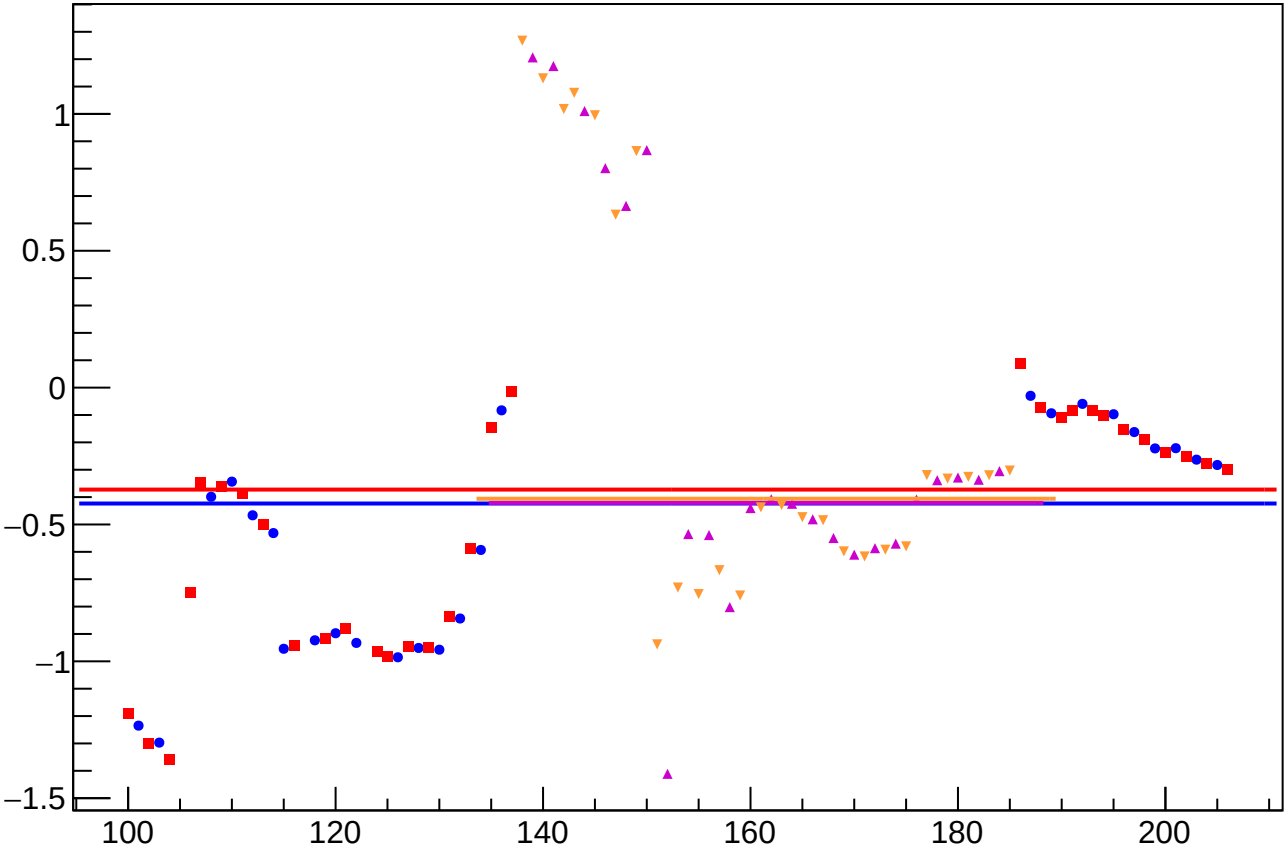
Right: 0.007+/-0.000 χ^2/NDF: 4207281.9/55

In: 0.007+/-0.000 χ^2/NDF:2629931.1/47

Out: 0.007+/-0.000 χ^2/NDF:3175430.7/55

All: 0.007+/-0.000 χ^2/NDF: 5807391.6/103

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.423+/-0.000 χ^2/NDF: 23901946503.4/24

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 27041378658.4/30

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

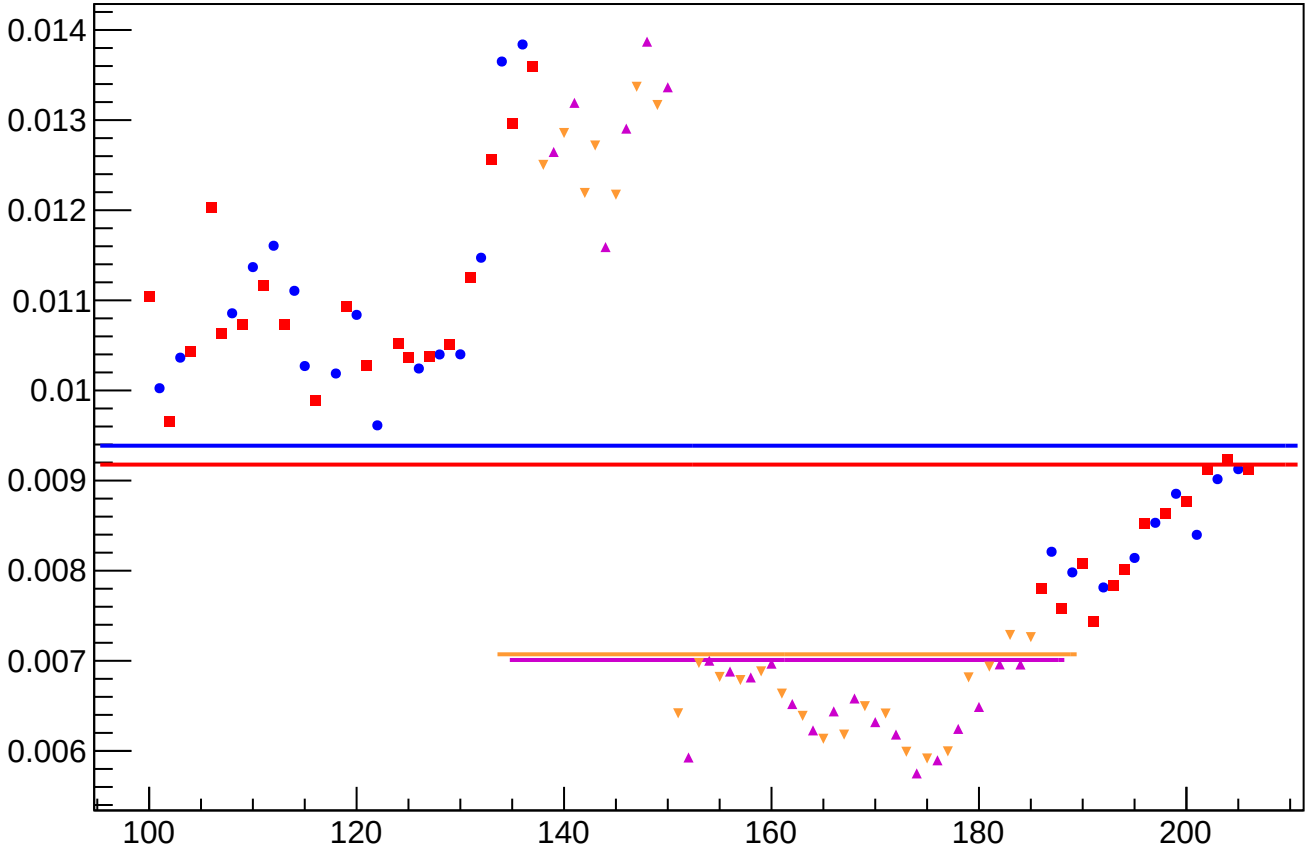
Right: -0.395+/-0.000 χ^2/NDF: 51162042911.7/55

In: -0.422+/-0.000 χ^2/NDF:114144207352.0/47

Out: -0.394+/-0.000 χ^2/NDF:108812260786.7/55

All: -0.408+/-0.000 χ^2/NDF: 223151483195.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 626737.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675348.2/30

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

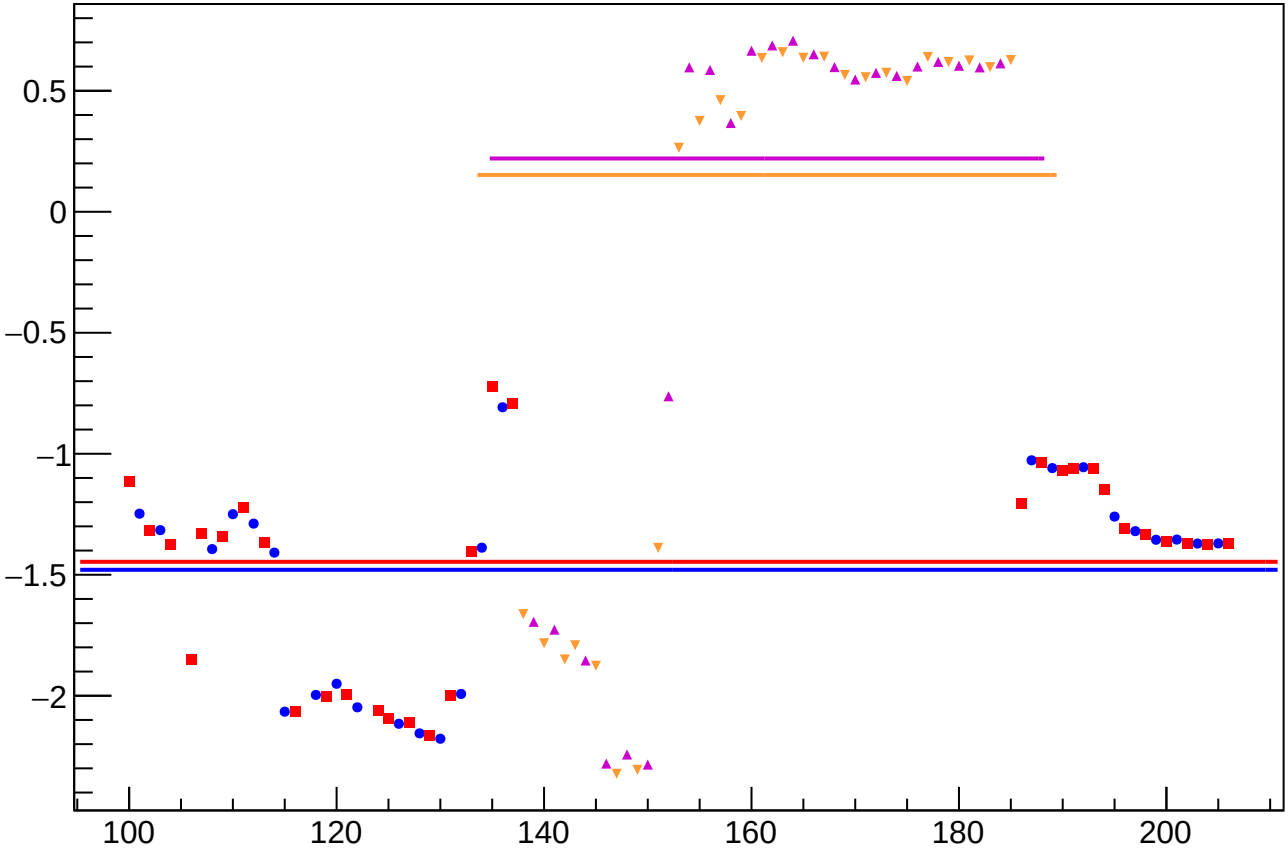
Right: 0.009+/-0.000 χ^2/NDF: 1309500.0/55

In: 0.008+/-0.000 χ^2/NDF:4280469.4/47

Out: 0.008+/-0.000 χ^2/NDF:4146054.3/55

All: 0.008+/-0.000 χ^2/NDF: 8427912.5/103

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.480+/-0.000 χ^2/NDF: 182697122234.0/24

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.447+/-0.000 χ^2/NDF: 172229976073.0/30

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

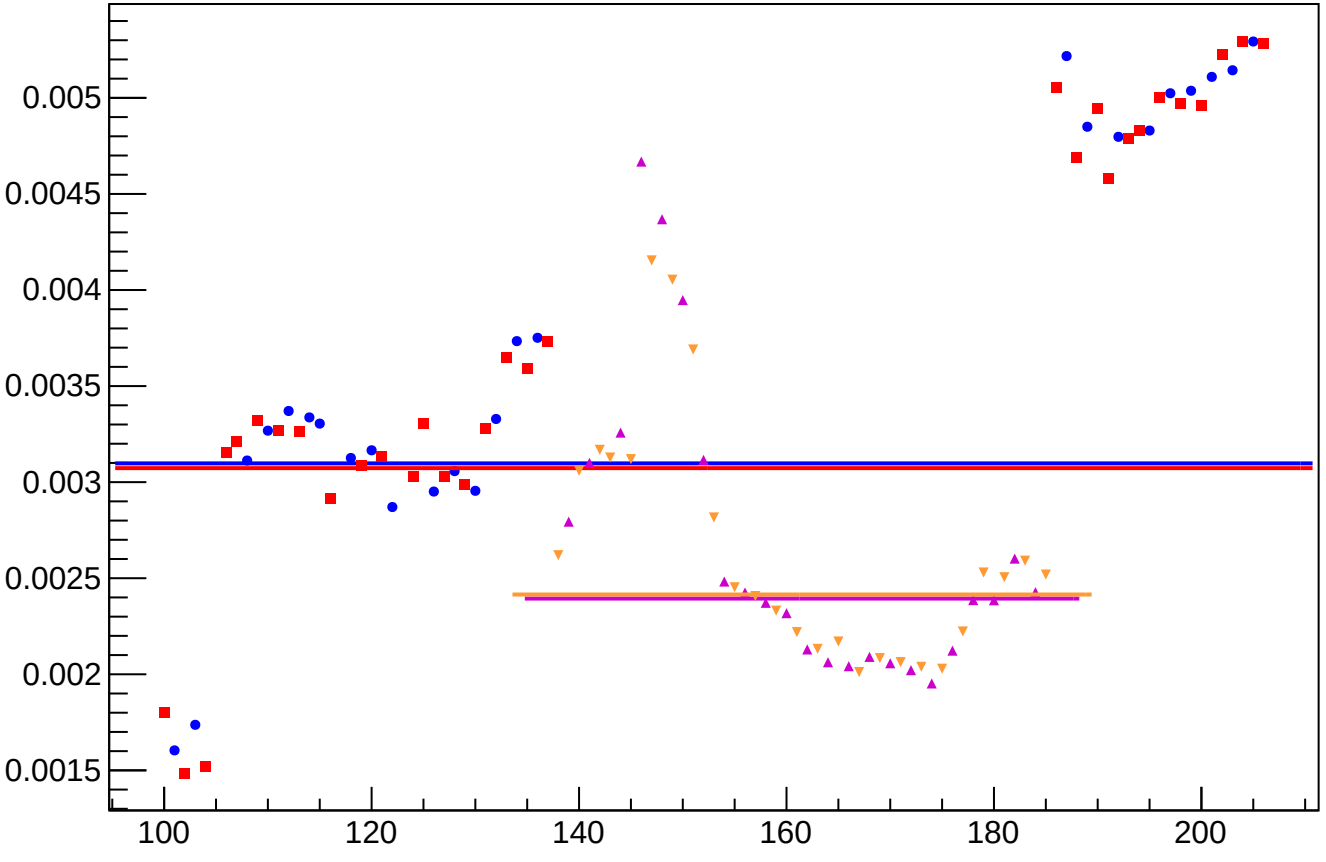
Right: -1.462+/-0.000 χ^2/NDF: 355621130087.7/55

In: -0.289+/-0.000 χ^2/NDF:4717758186593.9/47

Out: -0.357+/-0.000 χ^2/NDF:4955267433027.6/55

All: -0.325+/-0.000 χ^2/NDF: 9682689410445

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3665700.5/24

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5015078.2/30

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

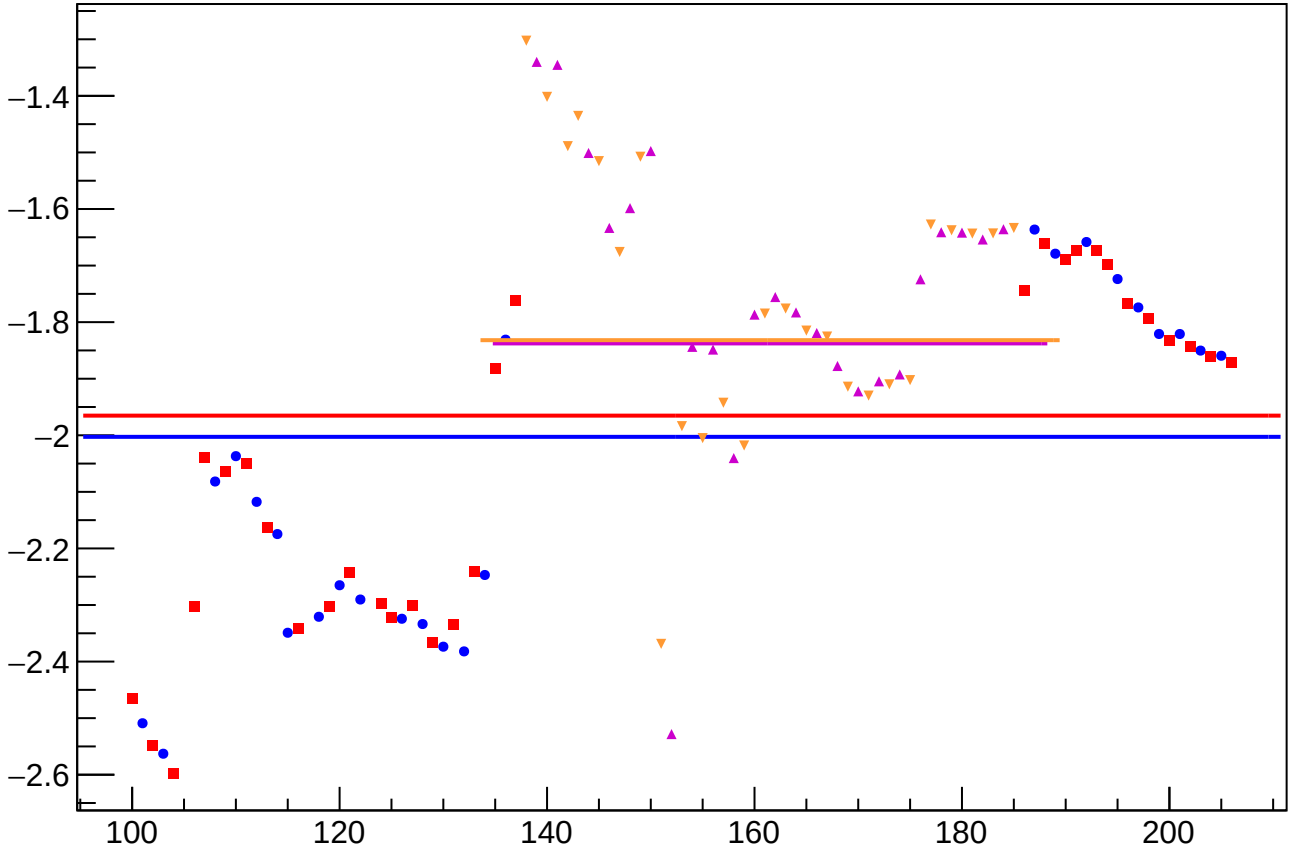
Right: 0.003+/-0.000 χ^2/NDF: 8681558.0/55

In: 0.003+/-0.000 χ^2/NDF:5902225.6/47

Out: 0.003+/-0.000 χ^2/NDF:7042639.7/55

All: 0.003+/-0.000 χ^2/NDF: 12946515.3/103

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.003+/-0.000 χ^2/NDF: 32609945861.0/24

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.965+/-0.000 χ^2/NDF: 37356303029.5/30

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

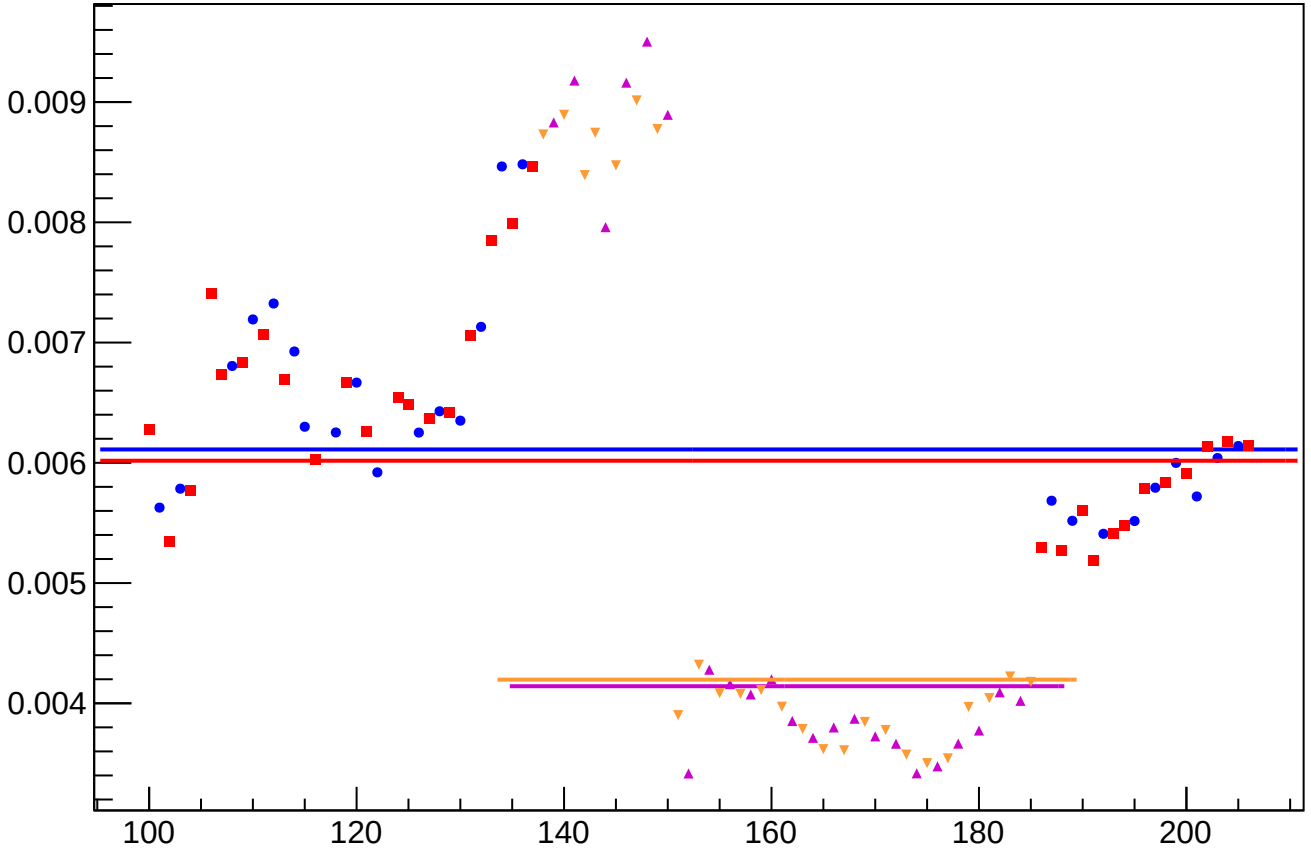
Right: -1.982+/-0.000 χ^2/NDF: 70244523868.0/55

In: -1.884+/-0.000 χ^2/NDF:93180802452.0/47

Out: -1.873+/-0.000 χ^2/NDF:81084684174.1/55

All: -1.878+/-0.000 χ^2/NDF: 174339234123.

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 365653.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 380318.7/30

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

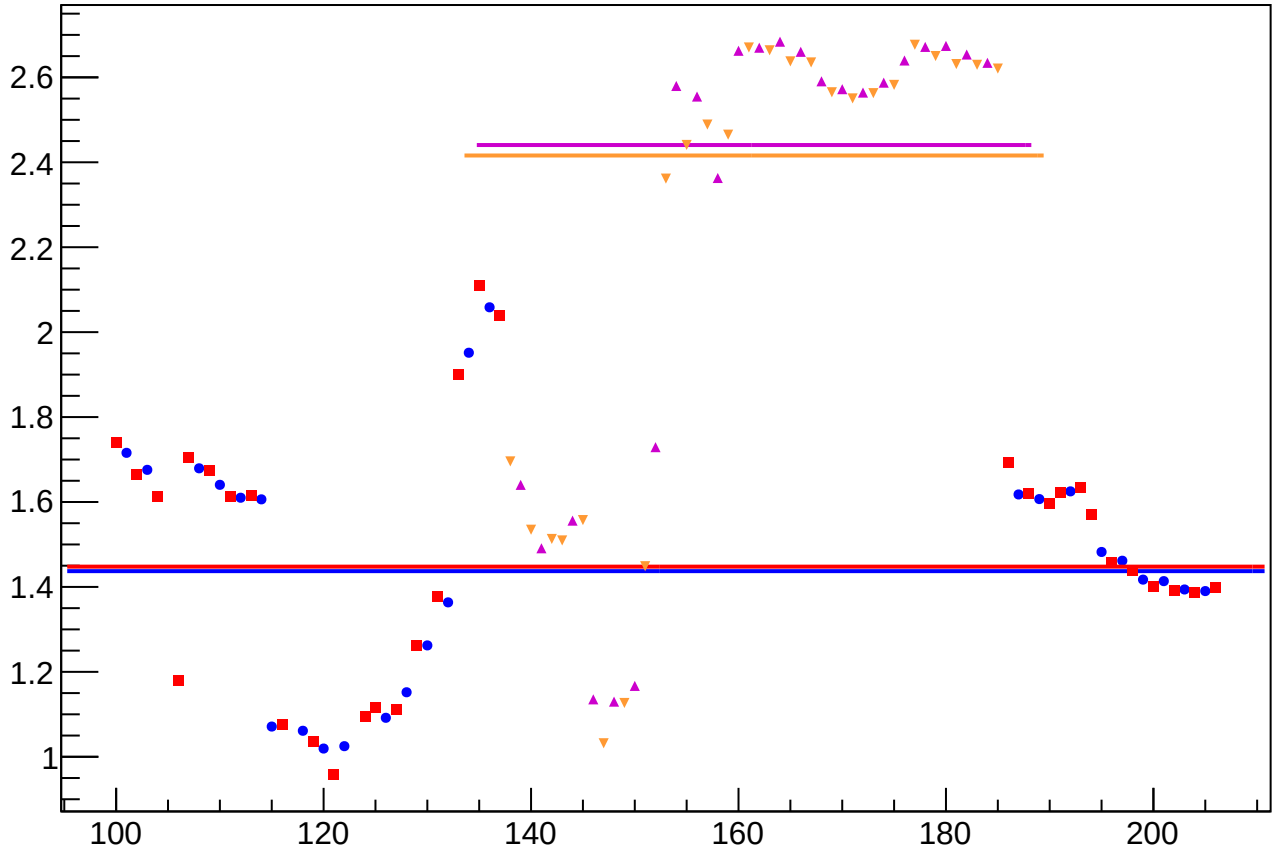
Right: 0.006+/-0.000 χ^2/NDF: 749461.6/55

In: 0.005+/-0.000 χ^2/NDF:5587878.1/47

Out: 0.005+/-0.000 χ^2/NDF:5470135.6/55

All: 0.005+/-0.000 χ^2/NDF: 11064597.1/103

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.437+/-0.000 χ^2/NDF: 191422723181.6/24

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186627292583.6/30

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

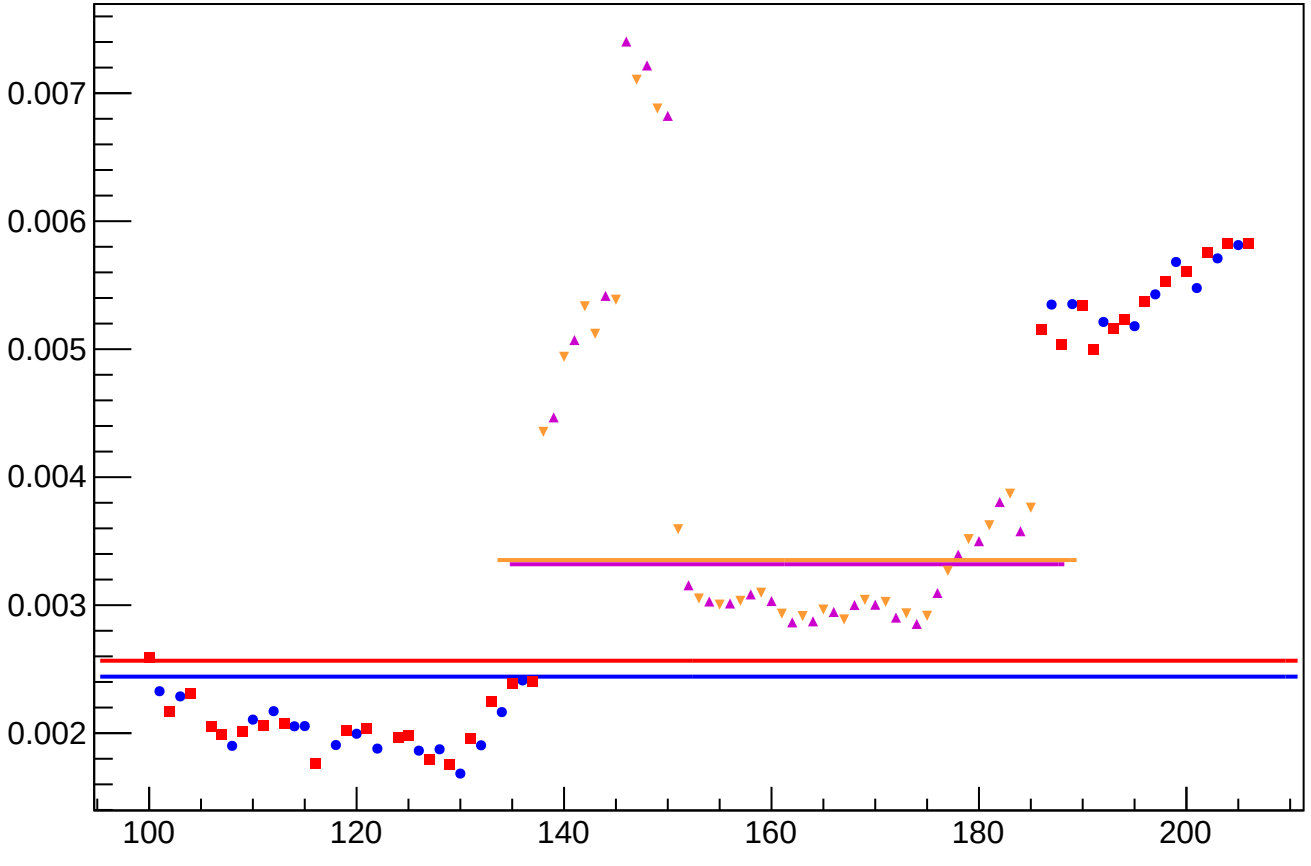
Right: 1.443+/-0.000 χ^2/NDF: 378156458527.5/55

In: 1.883+/-0.000 χ^2/NDF:1252151342613.1/47

Out: 1.879+/-0.000 χ^2/NDF:1236741061655.3/55

All: 1.881+/-0.000 χ^2/NDF: 2488922261753.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4891681.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6002320.7/30

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

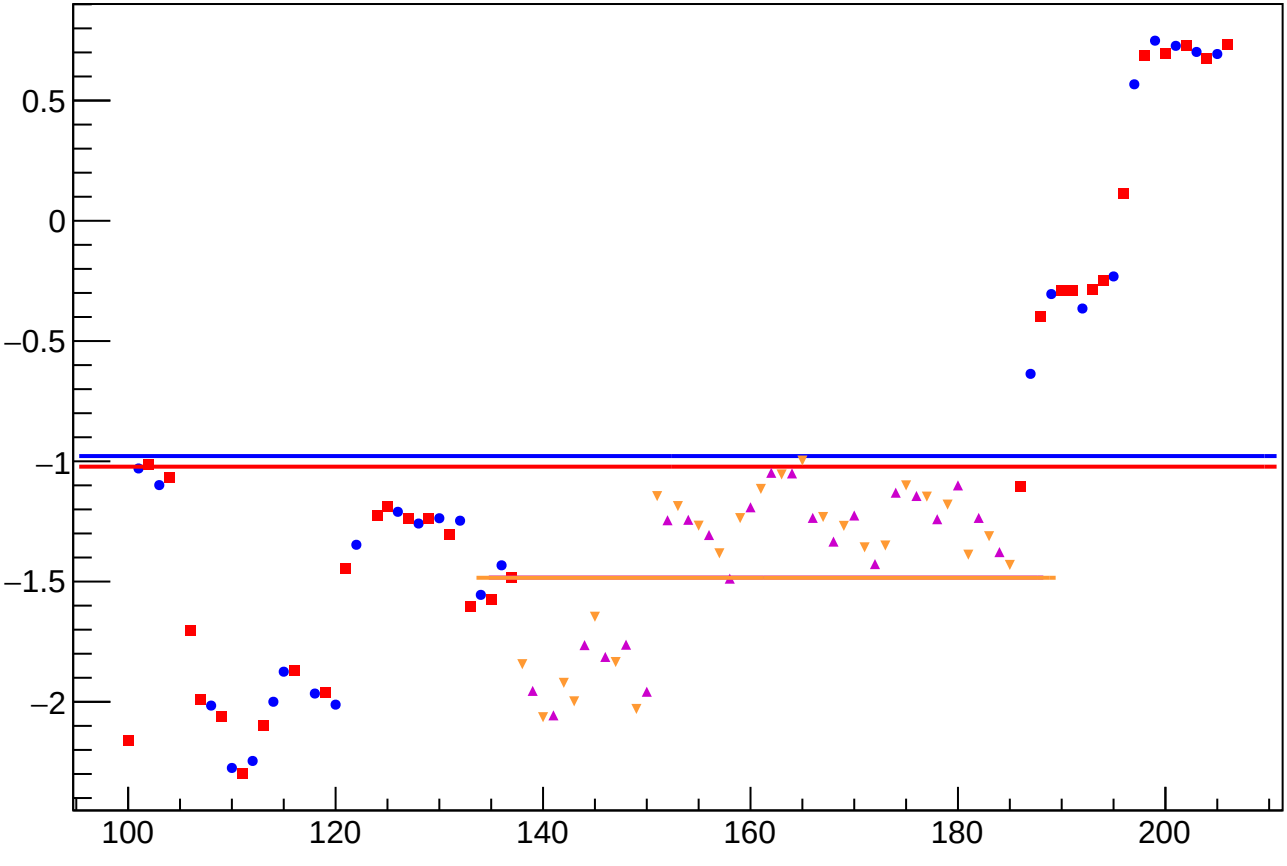
Right: 0.003+/-0.000 χ^2/NDF: 10923296.5/55

In: 0.003+/-0.000 χ^2/NDF:8216617.5/47

Out: 0.003+/-0.000 χ^2/NDF:8886979.3/55

All: 0.003+/-0.000 χ^2/NDF: 17127873.2/103

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.978+/-0.000 χ^2/NDF: 168709894873.7/24

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.022+/-0.000 χ^2/NDF: 216538090268.0/30

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

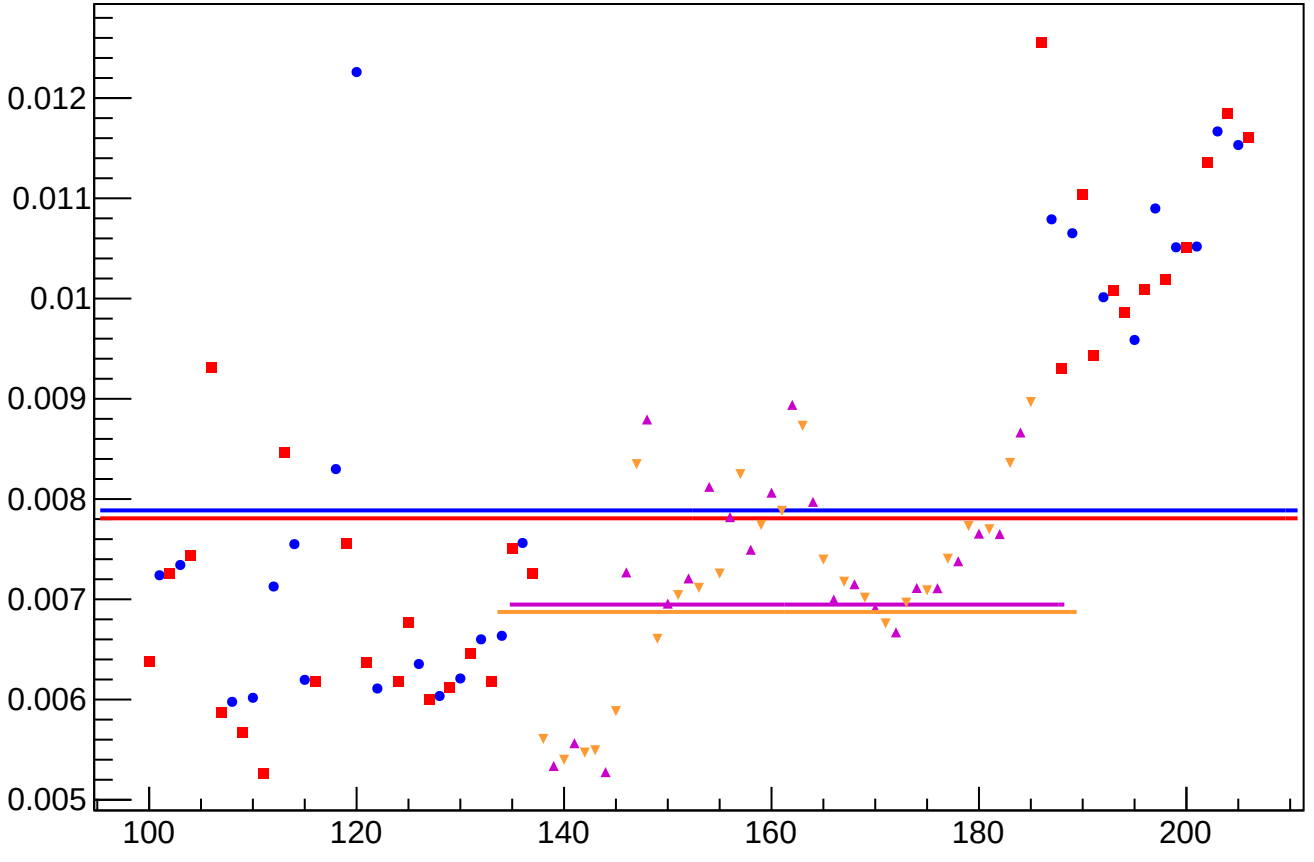
Right: -1.002+/-0.000 χ^2/NDF: 385460856051.2/55

In: -1.300+/-0.000 χ^2/NDF:241711131697.3/47

Out: -1.306+/-0.000 χ^2/NDF:296543622182.1/55

All: -1.303+/-0.000 χ^2/NDF: 538264630678.8

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1505114.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2015033.7/30

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

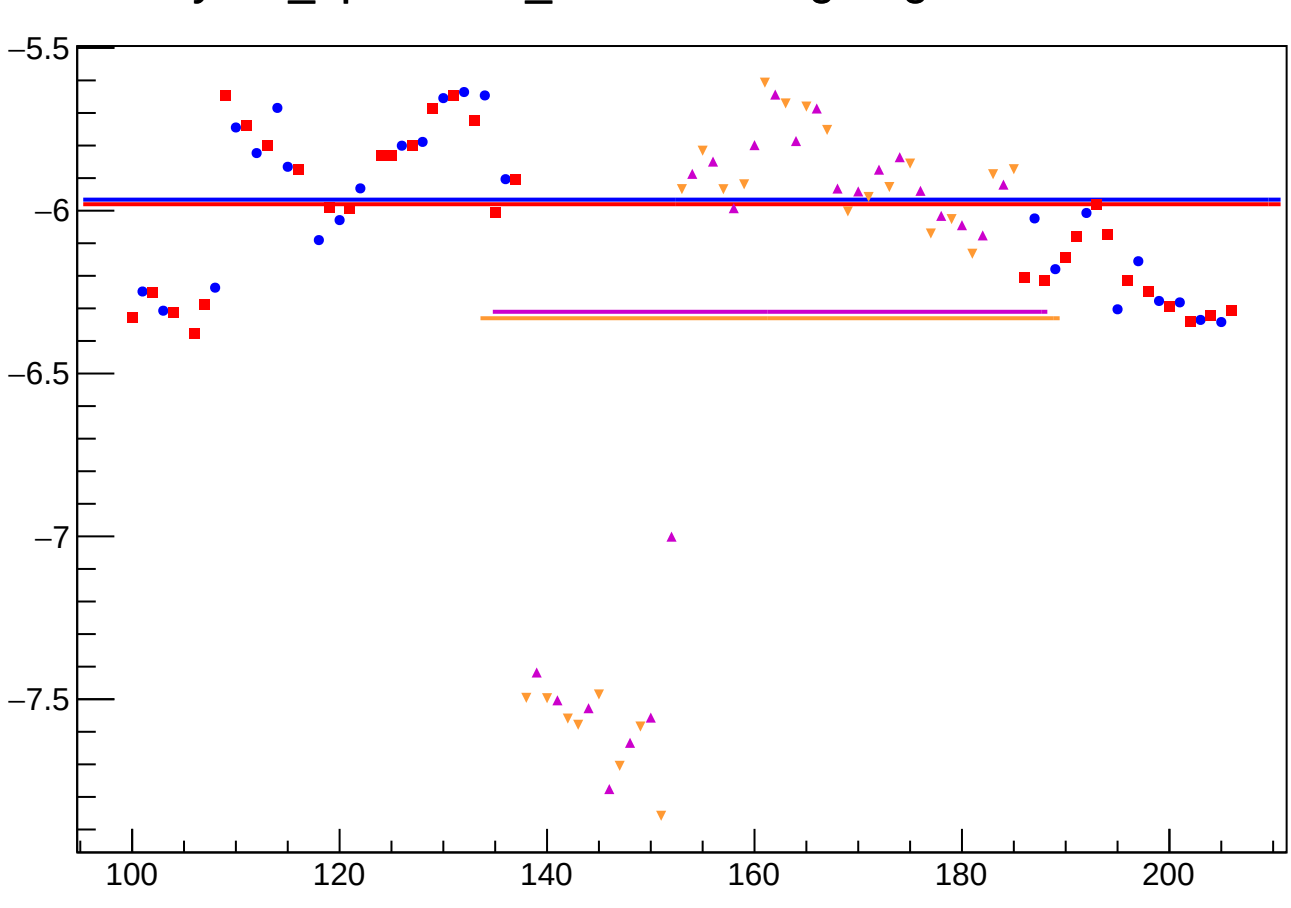
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 3521515.2/55

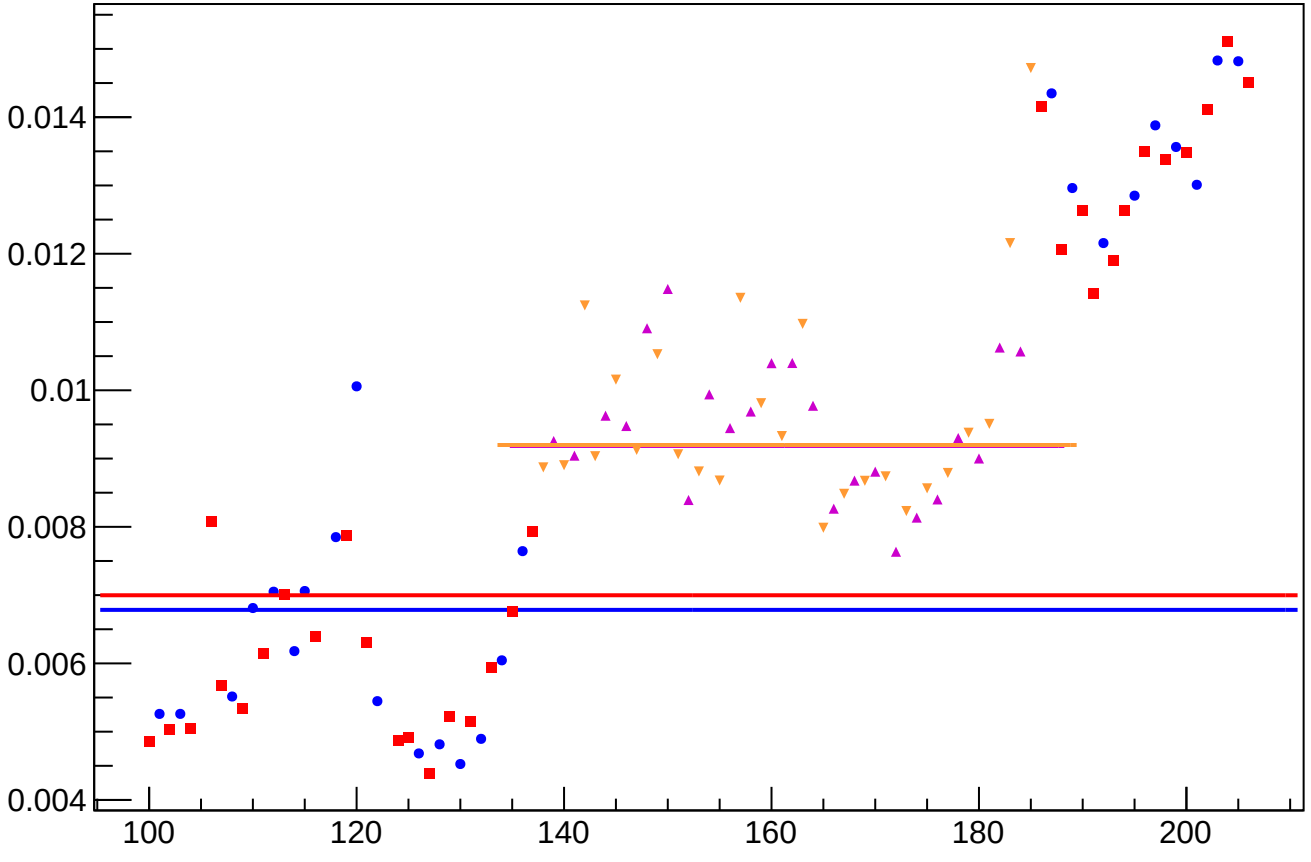
In: 0.007+/-0.000 χ^2/NDF:2477580.5/47

Out: 0.007+/-0.000 χ^2/NDF:3018627.4/55

All: 0.007+/-0.000 χ^2/NDF: 5497911.2/103


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
120
140
160
180
200
Right In: -5.966+/-0.000 χ²/NDF: 15034631466.7/24
Left Out: -6.330+/-0.000 χ²/NDF:110328634370.4/24
Right Out: -5.980+/-0.000 χ²/NDF: 16281463852.9/30
Left In: -6.310+/-0.000 χ²/NDF:91689184100.9/22
Left: -6.321+/-0.000 χ²/NDF: 202054497687.3/47
Right: -5.973+/-0.000 χ²/NDF: 31340710300.4/55
In: -6.117+/-0.000 χ²/NDF:118901215148.4/47
Out: -6.128+/-0.000 χ²/NDF:140083971686.5/55
All: -6.123+/-0.000 χ²/NDF: 259014456457.2

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4350148.6/24

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5130236.1/30

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

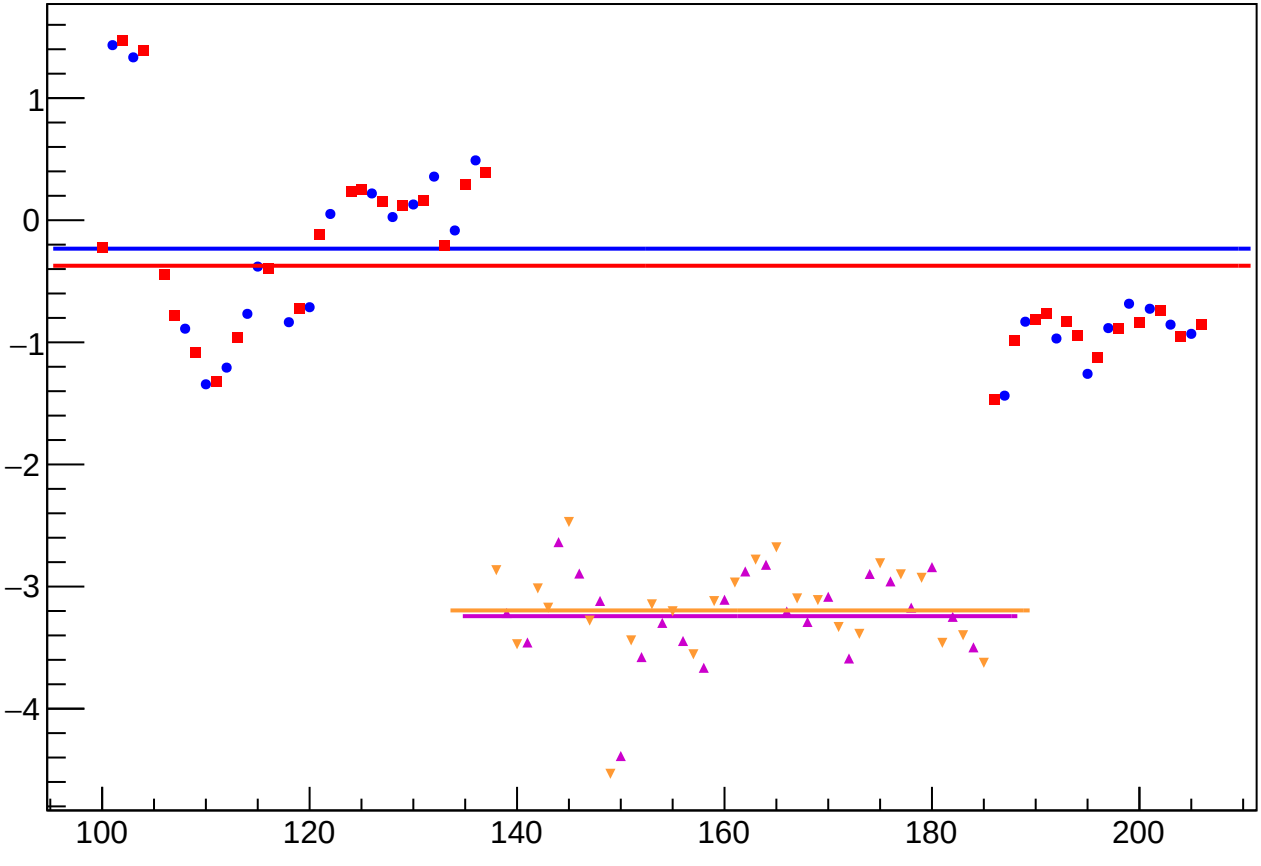
Right: 0.007+/-0.000 χ^2/NDF: 9491682.1/55

In: 0.008+/-0.000 χ^2/NDF:5852582.0/47

Out: 0.008+/-0.000 χ^2/NDF:6562365.3/55

All: 0.008+/-0.000 χ^2/NDF: 12418877.4/103

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 32471863565.9/24

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.373+/-0.000 χ^2/NDF: 35196206932.4/30

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

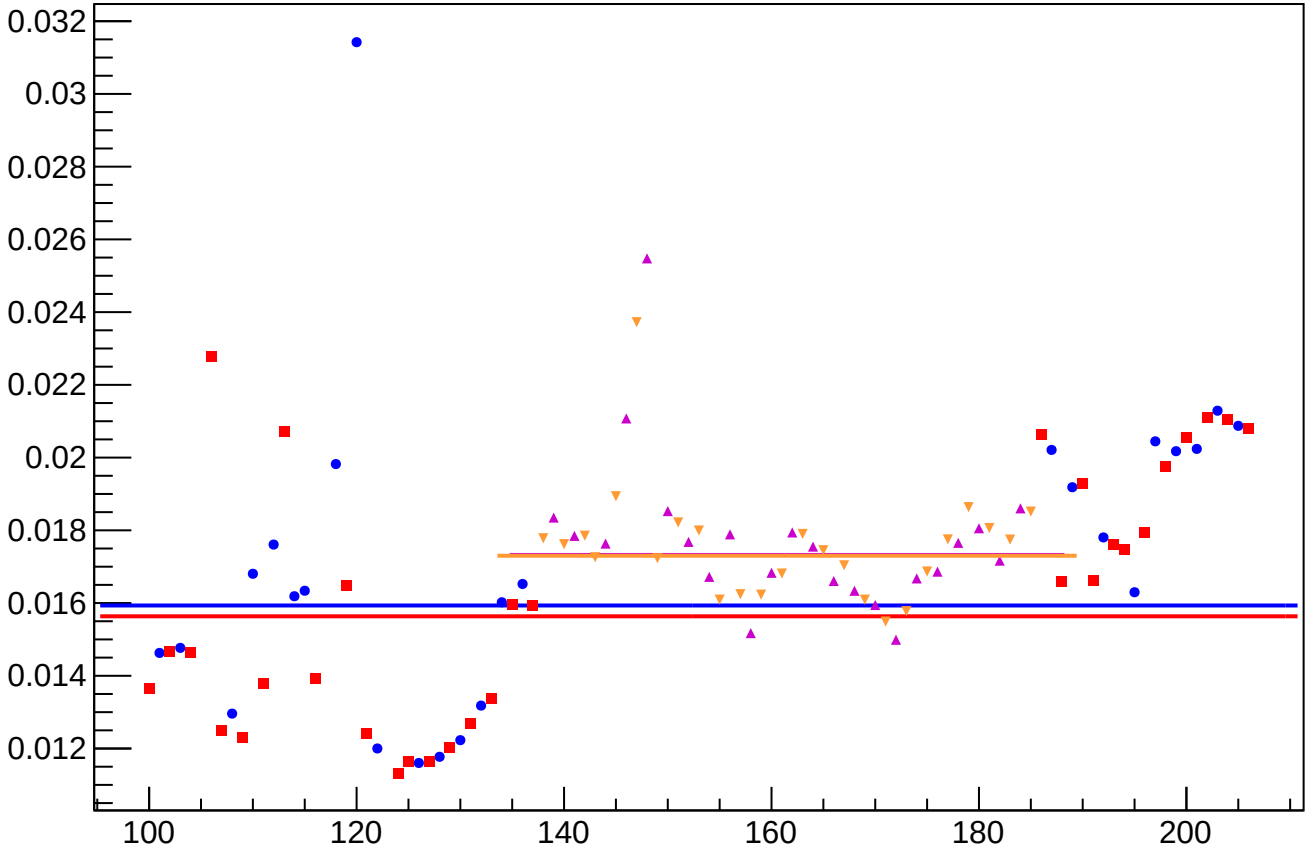
Right: -0.310+/-0.000 χ^2/NDF: 68205655294.2/55

In: -1.858+/-0.000 χ^2/NDF:283773486332.5/47

Out: -1.791+/-0.000 χ^2/NDF:290703417939.6/55

All: -1.822+/-0.000 χ^2/NDF: 574731600521.3

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1185751.2/24

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1318468.8/30

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

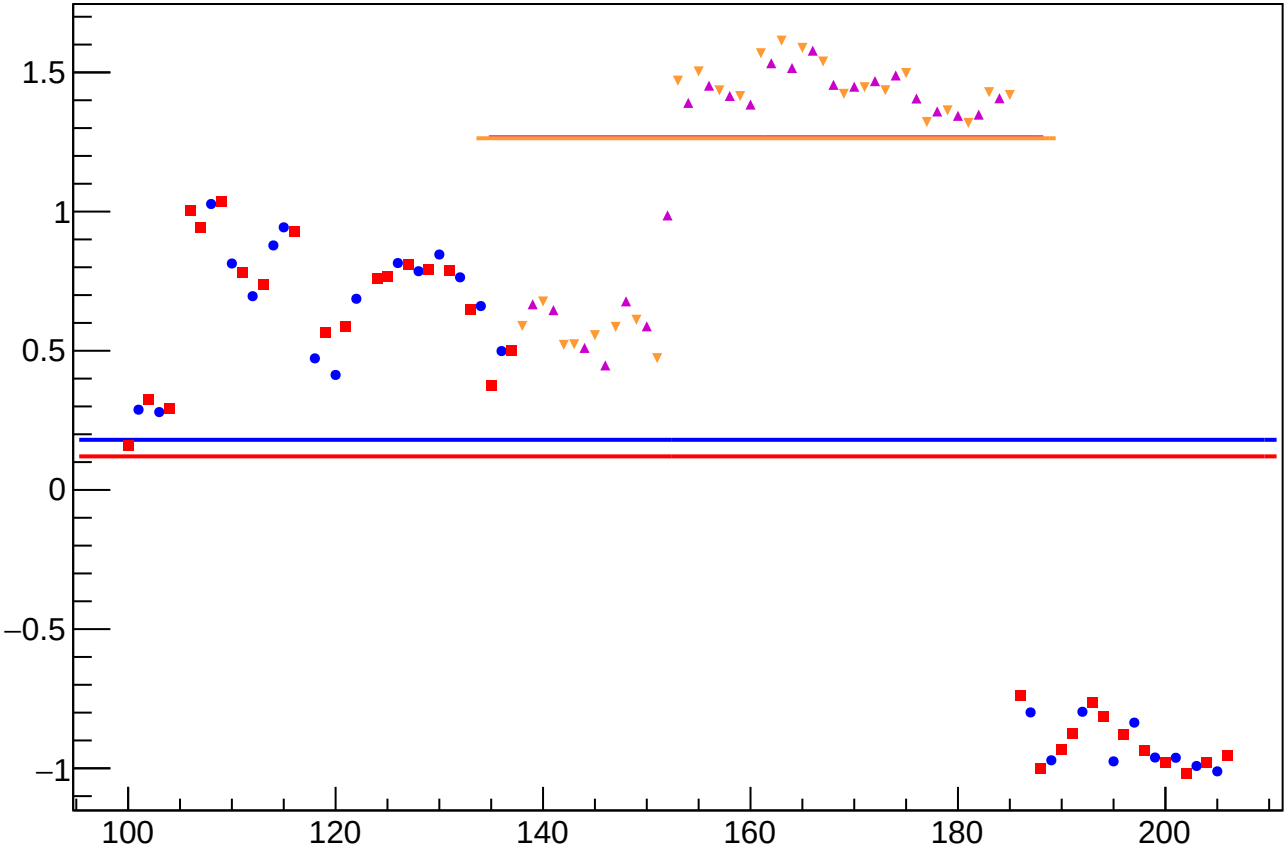
Right: 0.016+/-0.000 χ^2/NDF: 2509088.0/55

In: 0.017+/-0.000 χ^2/NDF:1619373.4/47

Out: 0.016+/-0.000 χ^2/NDF:1707755.4/55

All: 0.017+/-0.000 χ^2/NDF: 3332250.7/103

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.180+/-0.000 χ^2/NDF: 68513000141.2/24

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.121+/-0.000 χ^2/NDF: 86391438227.4/30

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

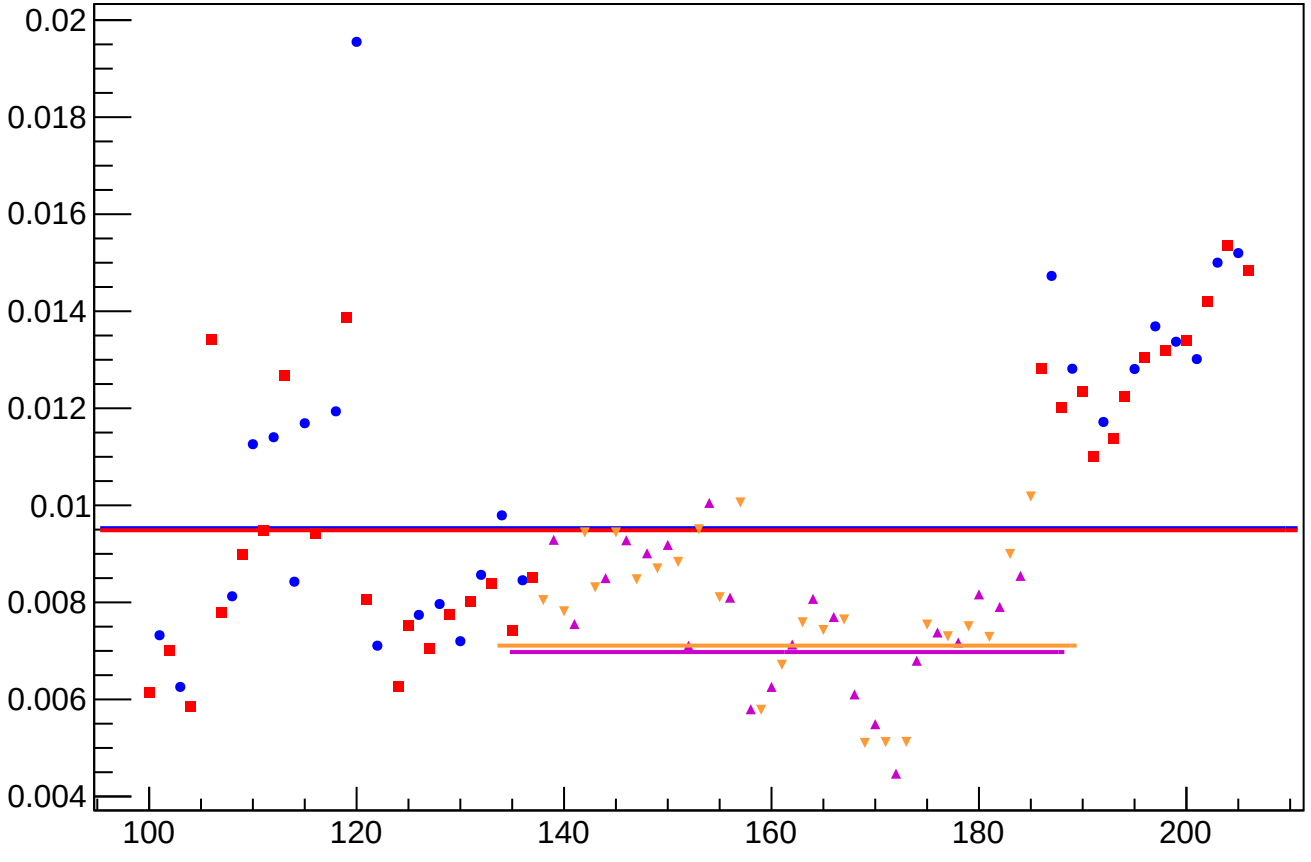
Right: 0.148+/-0.000 χ^2/NDF: 155157023608.7/55

In: 0.960+/-0.000 χ^2/NDF:217490189932.4/47

Out: 0.902+/-0.000 χ^2/NDF:271126834734.4/55

All: 0.930+/-0.000 χ^2/NDF: 489427668131.9

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2154758.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2562131.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

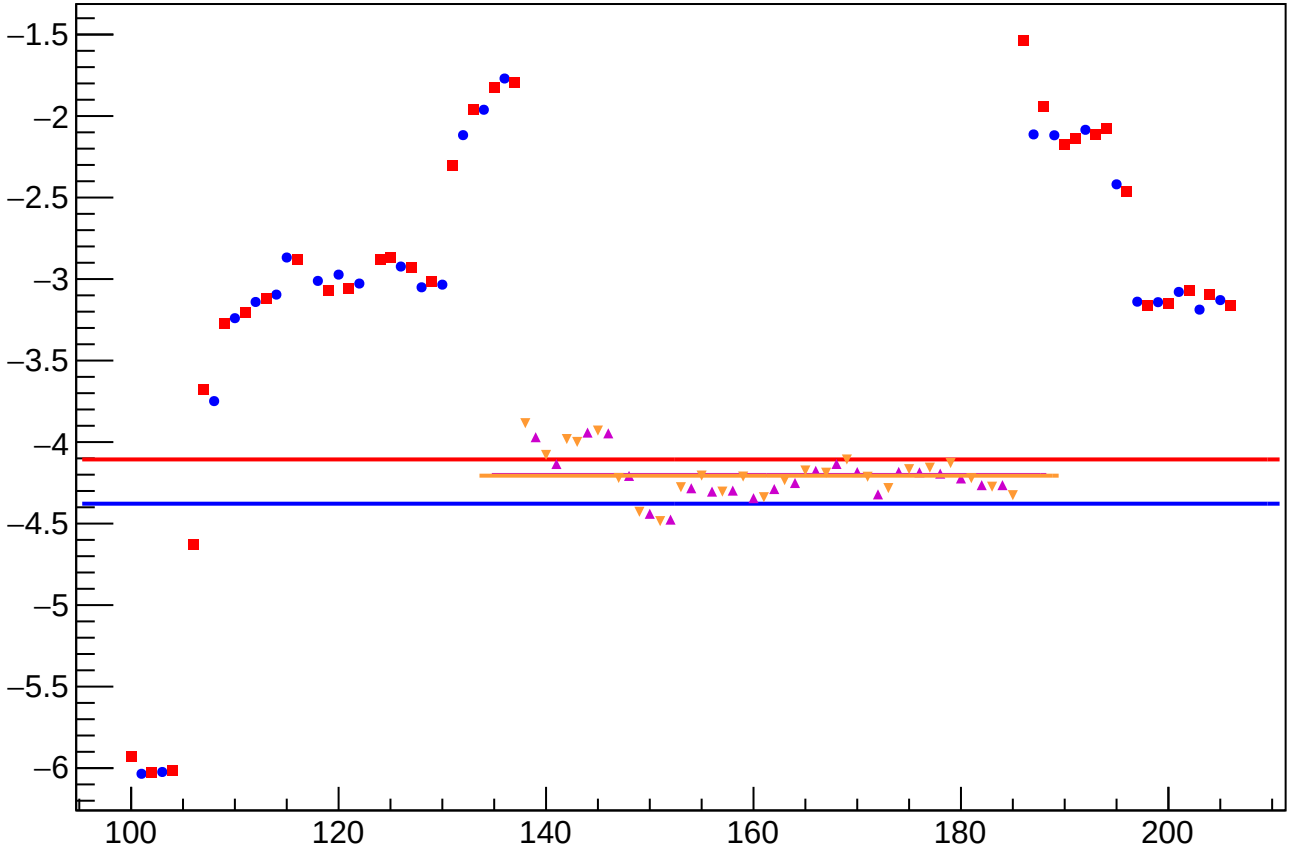
Right: 0.010+/-0.000 χ^2/NDF: 4717153.6/55

In: 0.008+/-0.000 χ^2/NDF:4841136.8/47

Out: 0.008+/-0.000 χ^2/NDF:5285440.5/55

All: 0.008+/-0.000 χ^2/NDF: 10139499.7/103

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.378+/-0.000 χ^2/NDF: 278890727694.4/24

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.106+/-0.000 χ^2/NDF: 298308397627.2/30

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

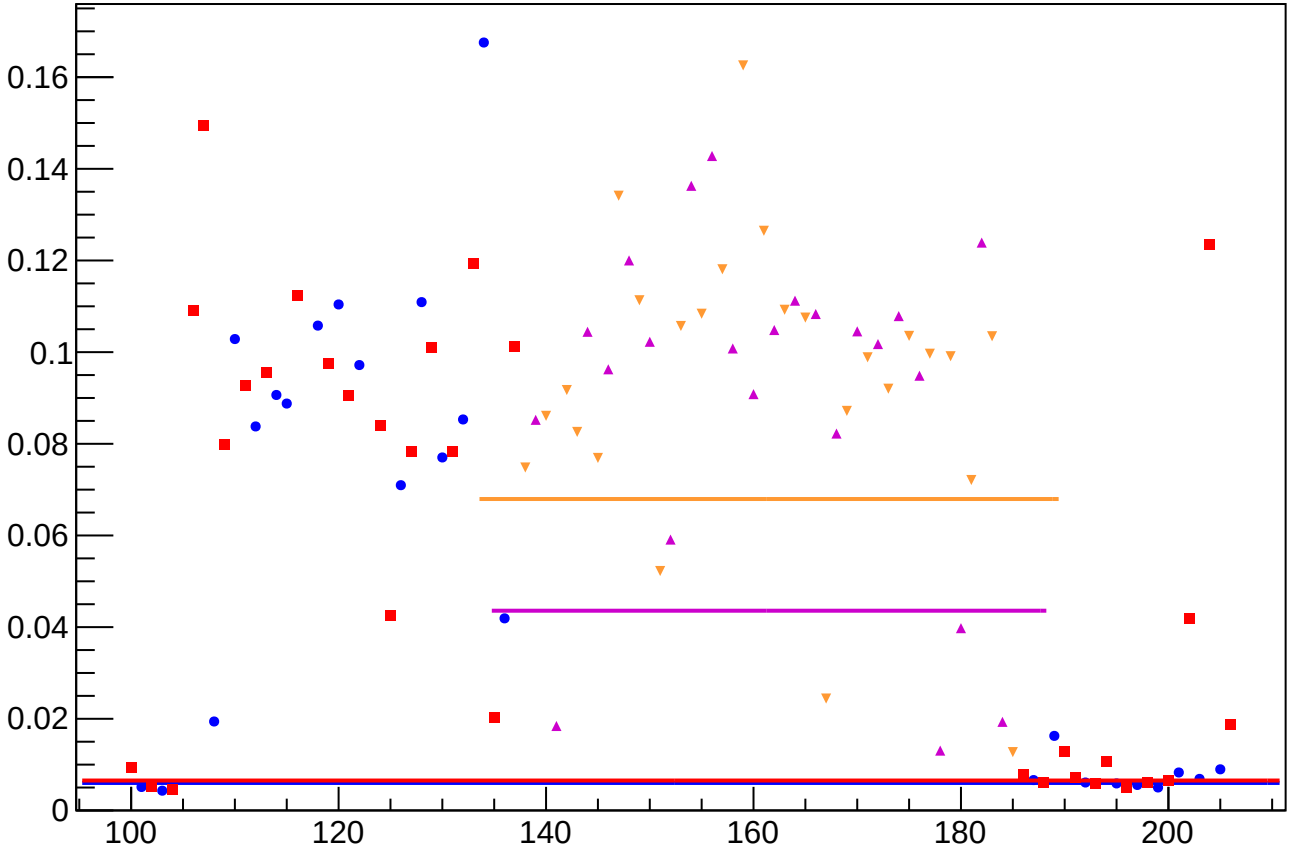
Right: -4.254+/-0.000 χ^2/NDF: 580675308097.5/55

In: -4.371+/-0.000 χ^2/NDF:279055793780.9/47

Out: -4.109+/-0.000 χ^2/NDF:298395573976.5/55

All: -4.253+/-0.000 χ^2/NDF: 580796596877.0

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8906876.6/24

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10674979.7/30

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

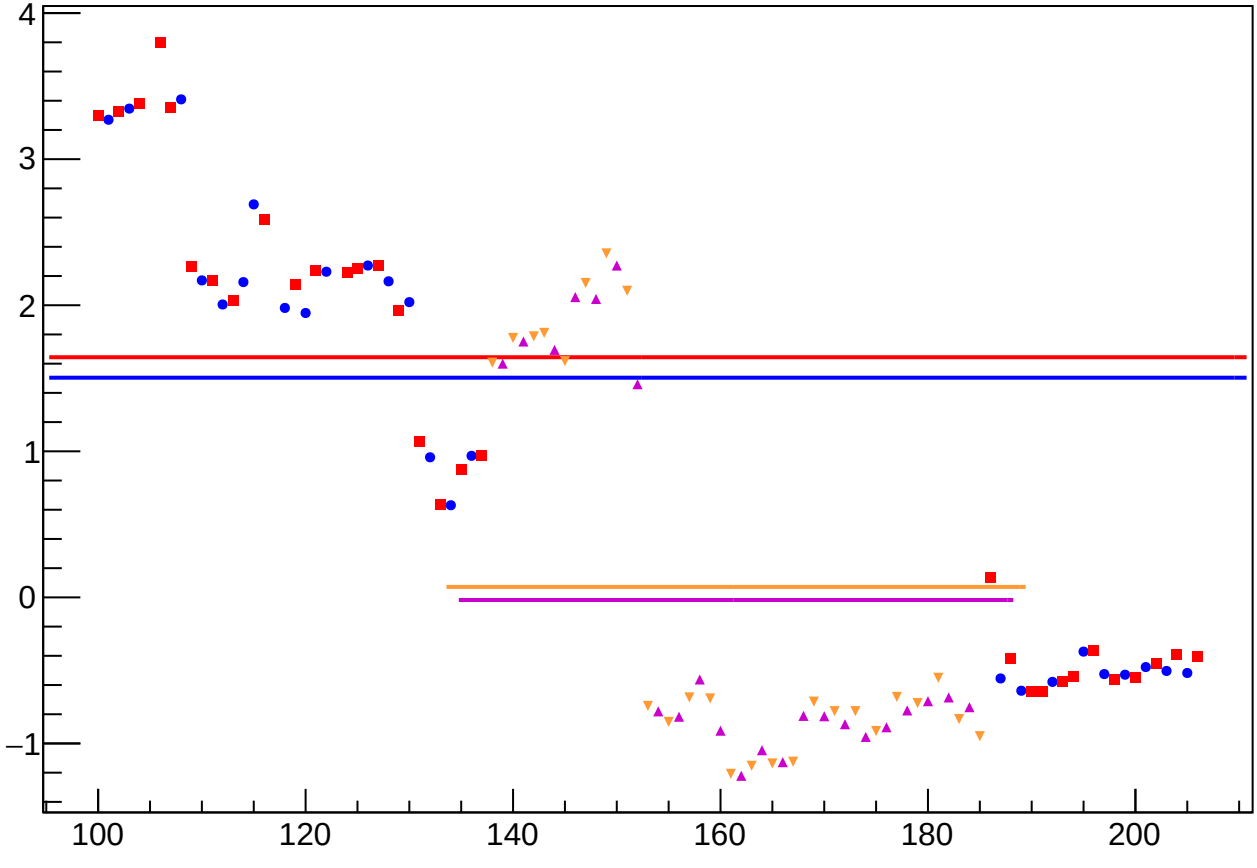
Right: 0.006+/-0.000 χ^2/NDF: 19608118.5/55

In: 0.007+/-0.000 χ^2/NDF:32786118.4/47

Out: 0.008+/-0.000 χ^2/NDF:37785522.4/55

All: 0.008+/-0.000 χ^2/NDF: 70656475.0/103

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.504+/-0.000 χ^2/NDF: 208323210485.2/24

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.644+/-0.000 χ^2/NDF: 184953142304.2/30

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

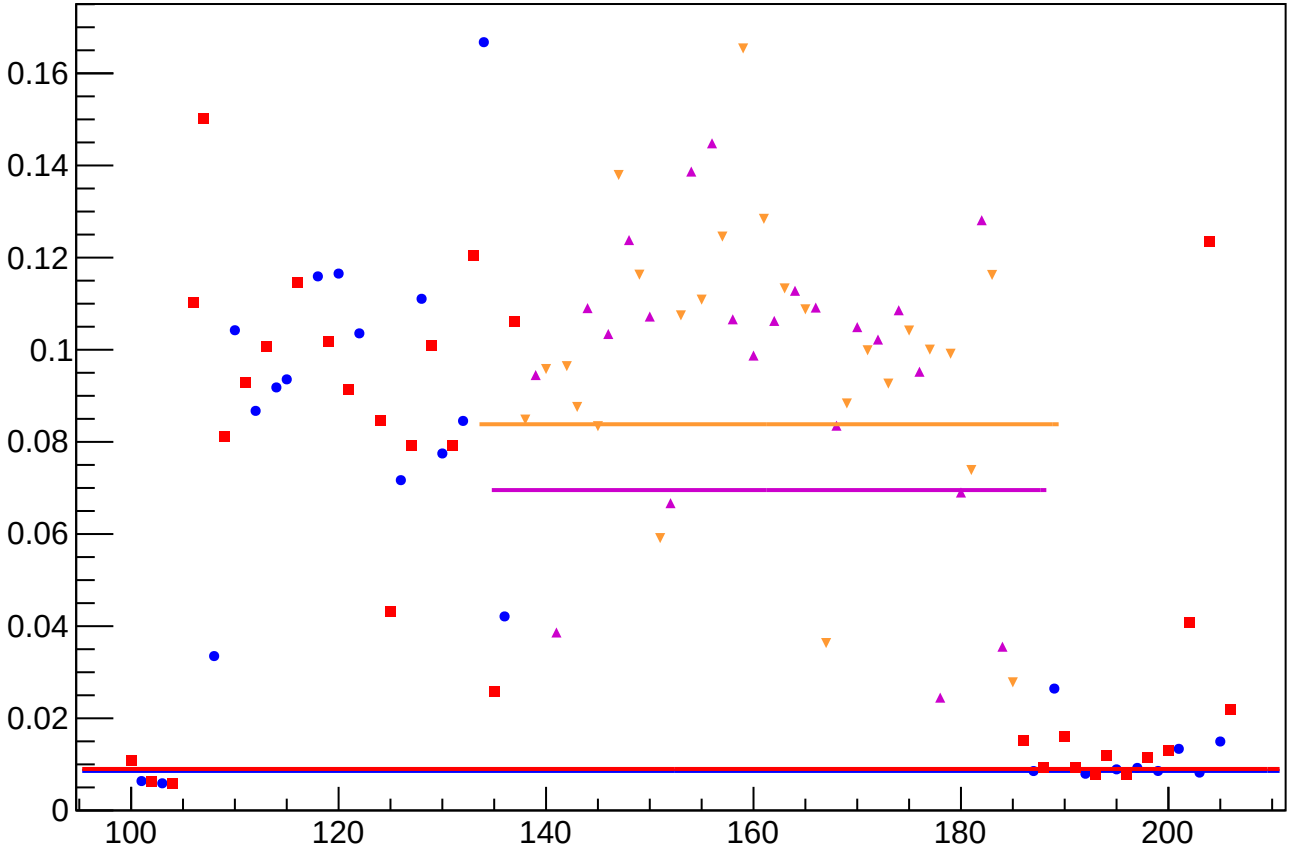
Right: 1.570+/-0.000 χ^2/NDF: 393815878820.4/55

In: 1.444+/-0.000 χ^2/NDF:217069195615.9/47

Out: 1.584+/-0.000 χ^2/NDF:193481734791.4/55

All: 1.510+/-0.000 χ^2/NDF: 411113134711.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8756125.4/24

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10423240.6/30

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

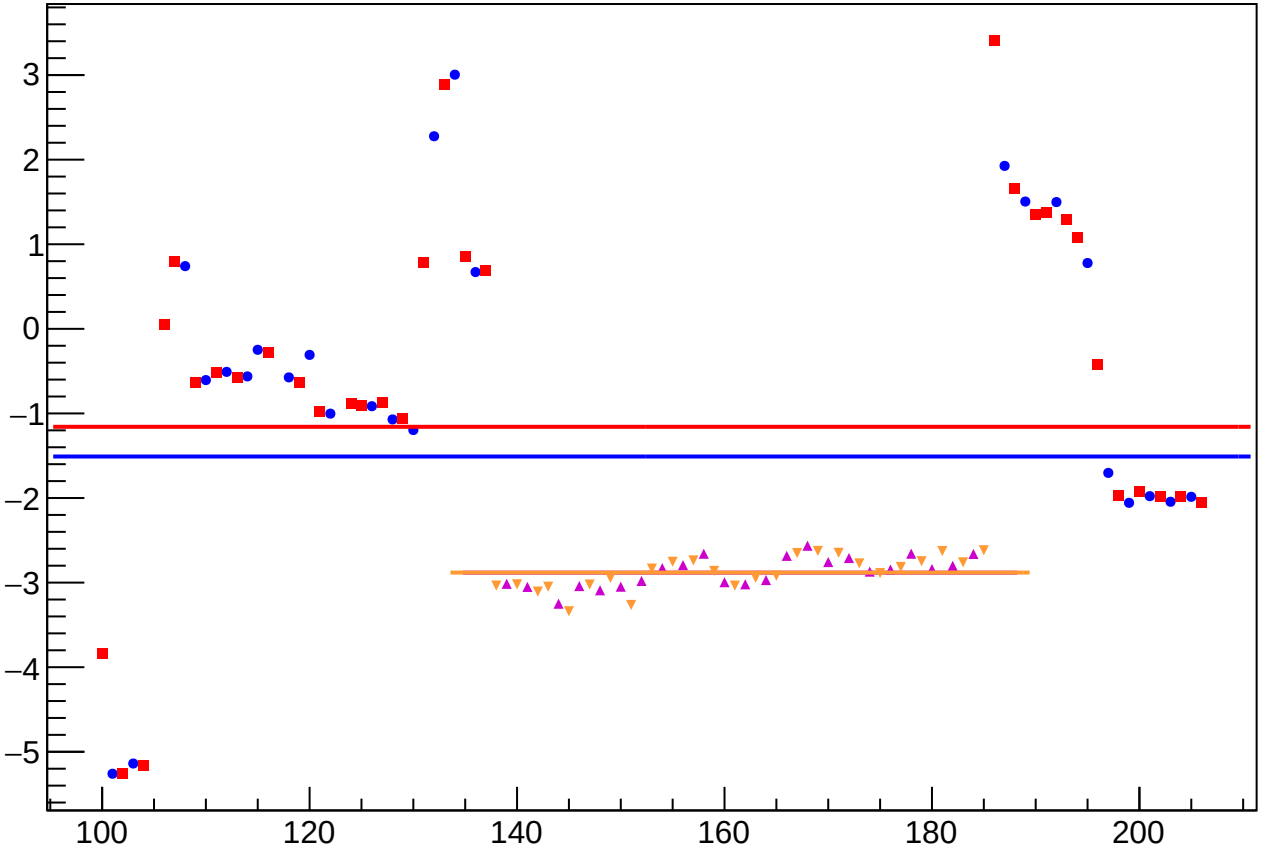
Right: 0.009+/-0.000 χ^2/NDF: 19189353.2/55

In: 0.011+/-0.000 χ^2/NDF:32432736.1/47

Out: 0.012+/-0.000 χ^2/NDF:36416051.3/55

All: 0.011+/-0.000 χ^2/NDF: 68892111.6/103

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.509+/-0.000 χ^2/NDF: 208010203093.0/24

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.158+/-0.000 χ^2/NDF: 236200505109.8/30

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

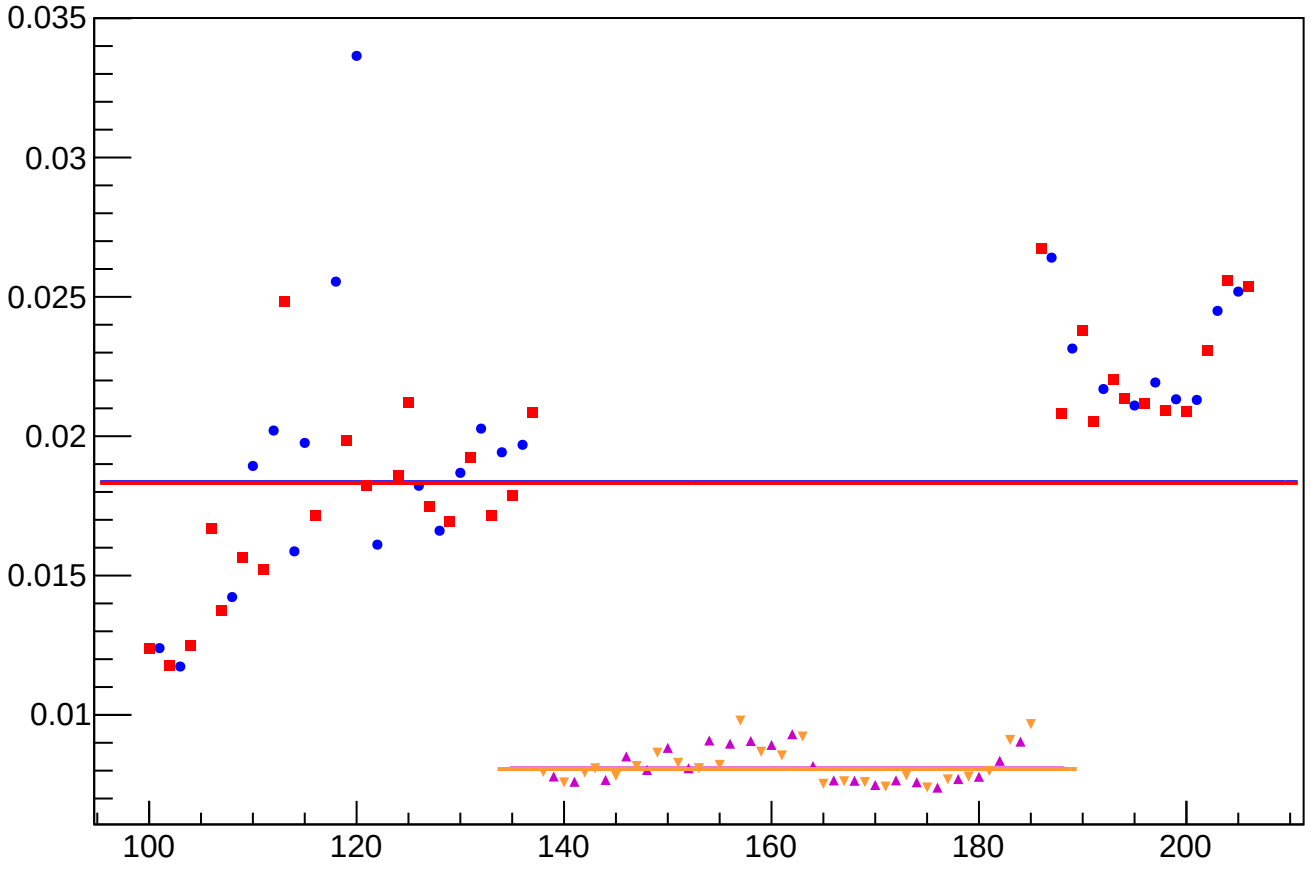
Right: -1.317+/-0.000 χ^2/NDF: 446624035105.0/55

In: -2.720+/-0.000 χ^2/NDF:275828747894.3/47

Out: -2.654+/-0.000 χ^2/NDF:358034729986.6/55

All: -2.686+/-0.000 χ^2/NDF: 634562518753.3

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1458990.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1503884.5/30

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

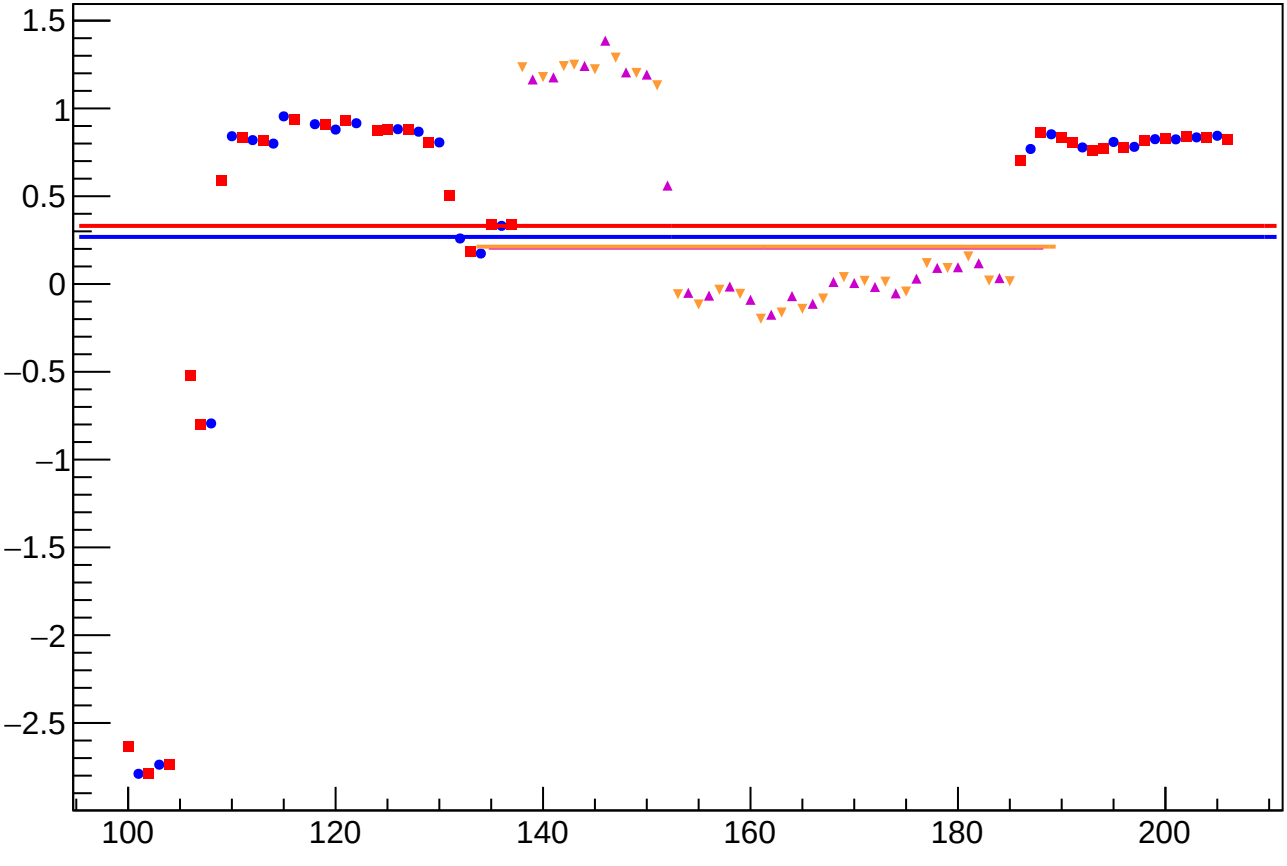
Right: 0.018+/-0.000 χ^2/NDF: 2962903.6/55

In: 0.009+/-0.000 χ^2/NDF:8302492.9/47

Out: 0.009+/-0.000 χ^2/NDF:9587241.3/55

All: 0.009+/-0.000 χ^2/NDF: 17894530.9/103

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.268+/-0.000 χ^2/NDF: 948786169772.4/24

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.331+/-0.000 χ^2/NDF: 1046108667072.0/30

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

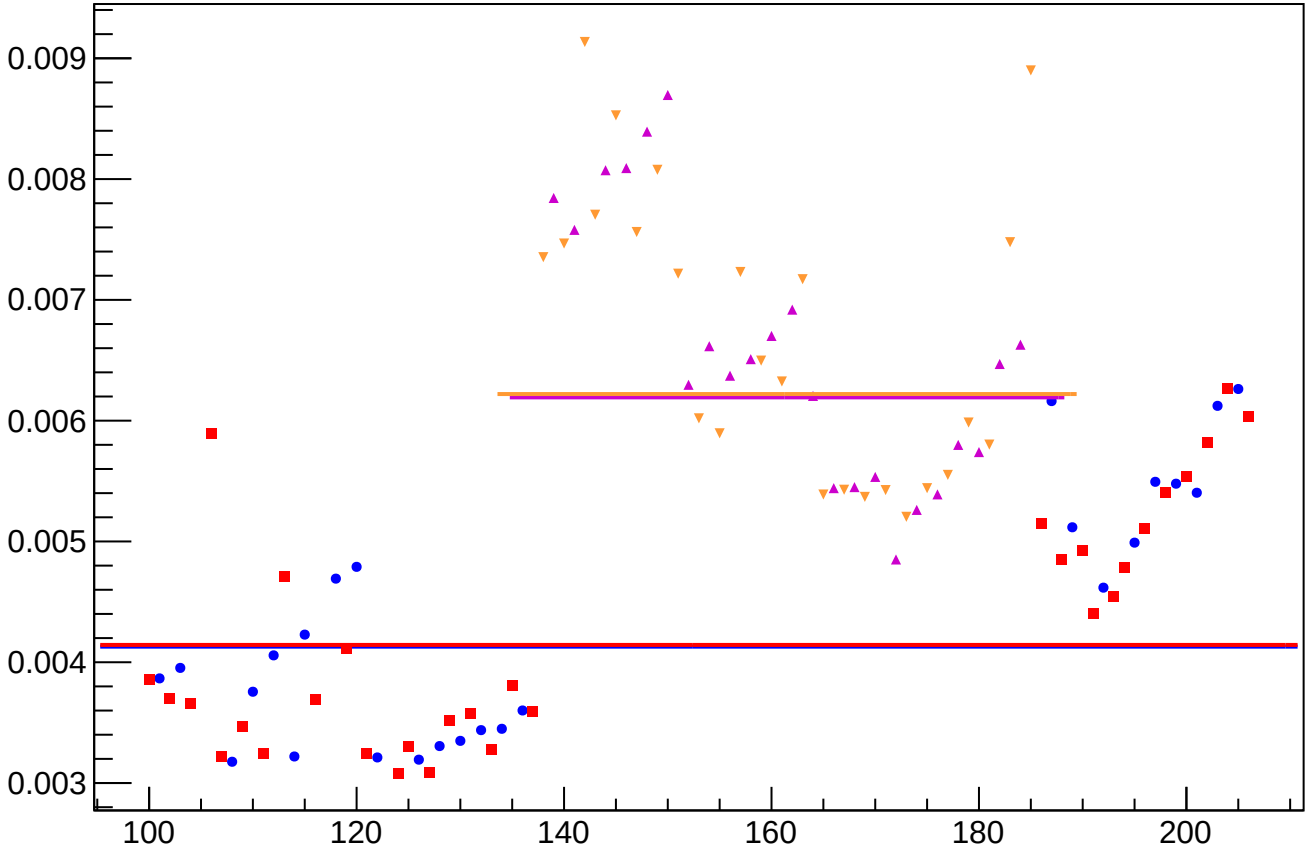
Right: 0.302+/-0.000 χ^2/NDF: 1996479928146.8/55

In: 0.247+/-0.000 χ^2/NDF:1036879827435.3/47

Out: 0.292+/-0.000 χ^2/NDF:1152956888906.0/55

All: 0.271+/-0.000 χ^2/NDF: 2191095841231.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1289101.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1532707.1/30

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

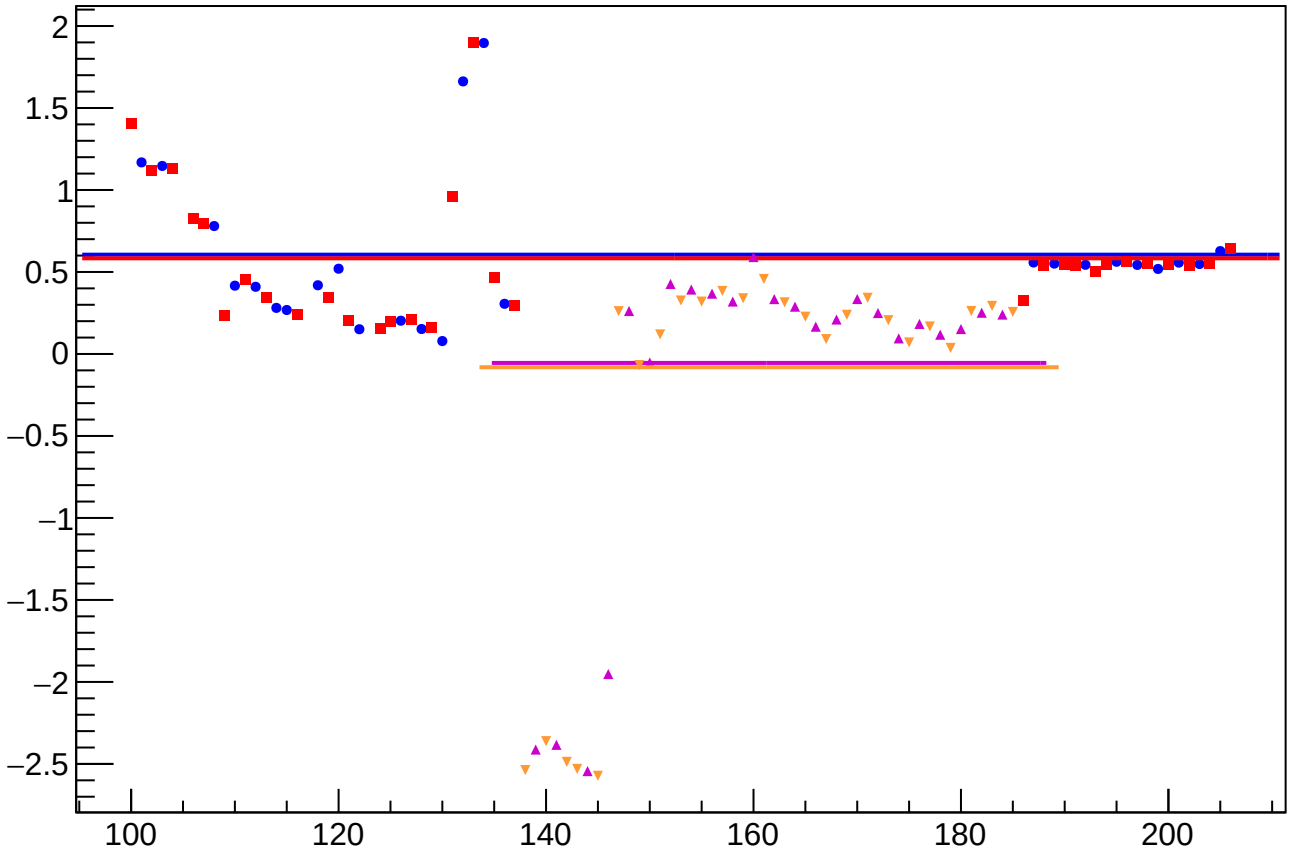
Right: 0.004+/-0.000 χ^2/NDF: 2821969.5/55

In: 0.005+/-0.000 χ^2/NDF:4372682.5/47

Out: 0.005+/-0.000 χ^2/NDF:4832732.0/55

All: 0.005+/-0.000 χ^2/NDF: 9206781.6/103

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.606+/-0.000 χ^2/NDF: 43711447635.5/24

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.583+/-0.000 χ^2/NDF: 44043059785.7/30

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

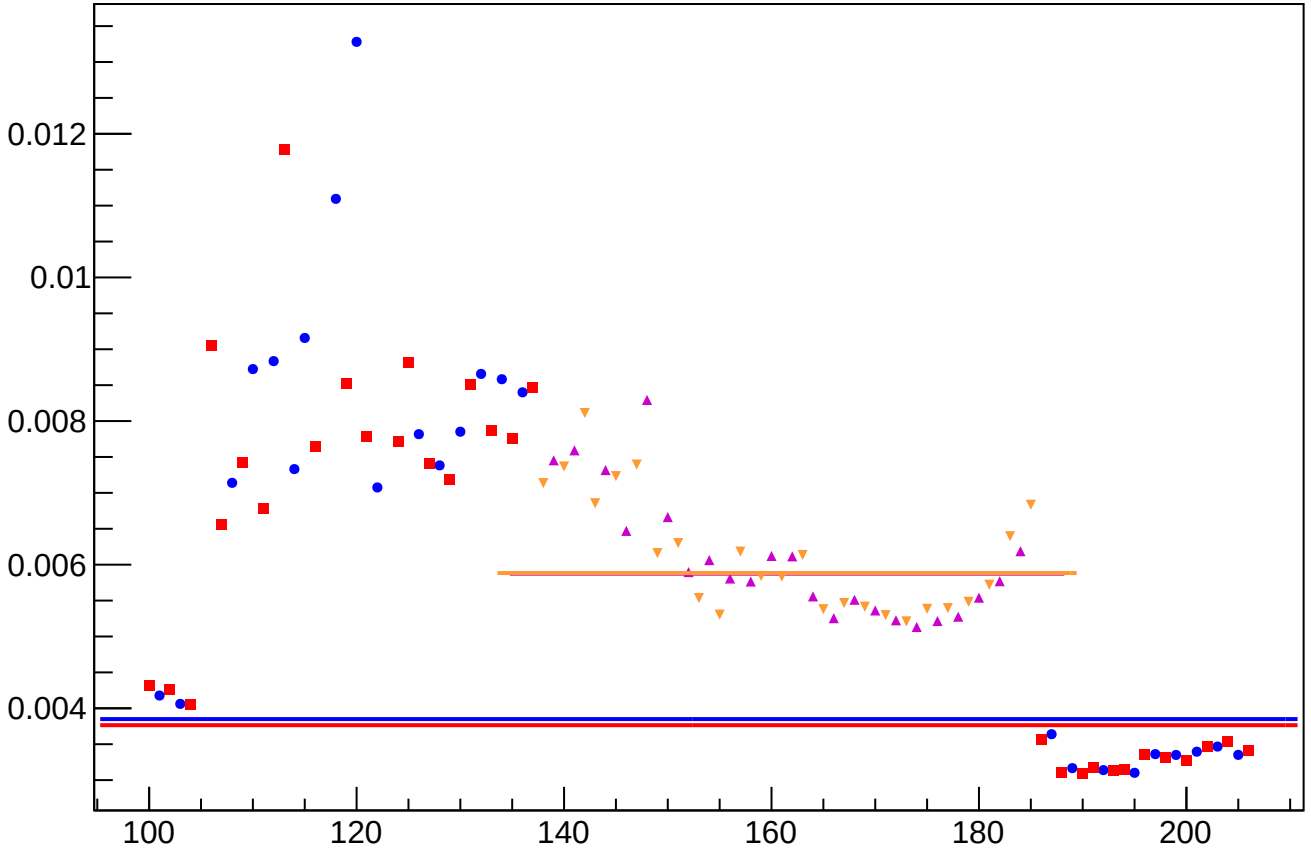
Right: 0.593+/-0.000 χ^2/NDF: 87965164259.8/55

In: 0.347+/-0.000 χ^2/NDF:519380298317.8/47

Out: 0.354+/-0.000 χ^2/NDF:578739301571.3/55

All: 0.351+/-0.000 χ^2/NDF: 1098146623223.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3428257.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3428715.6/30

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

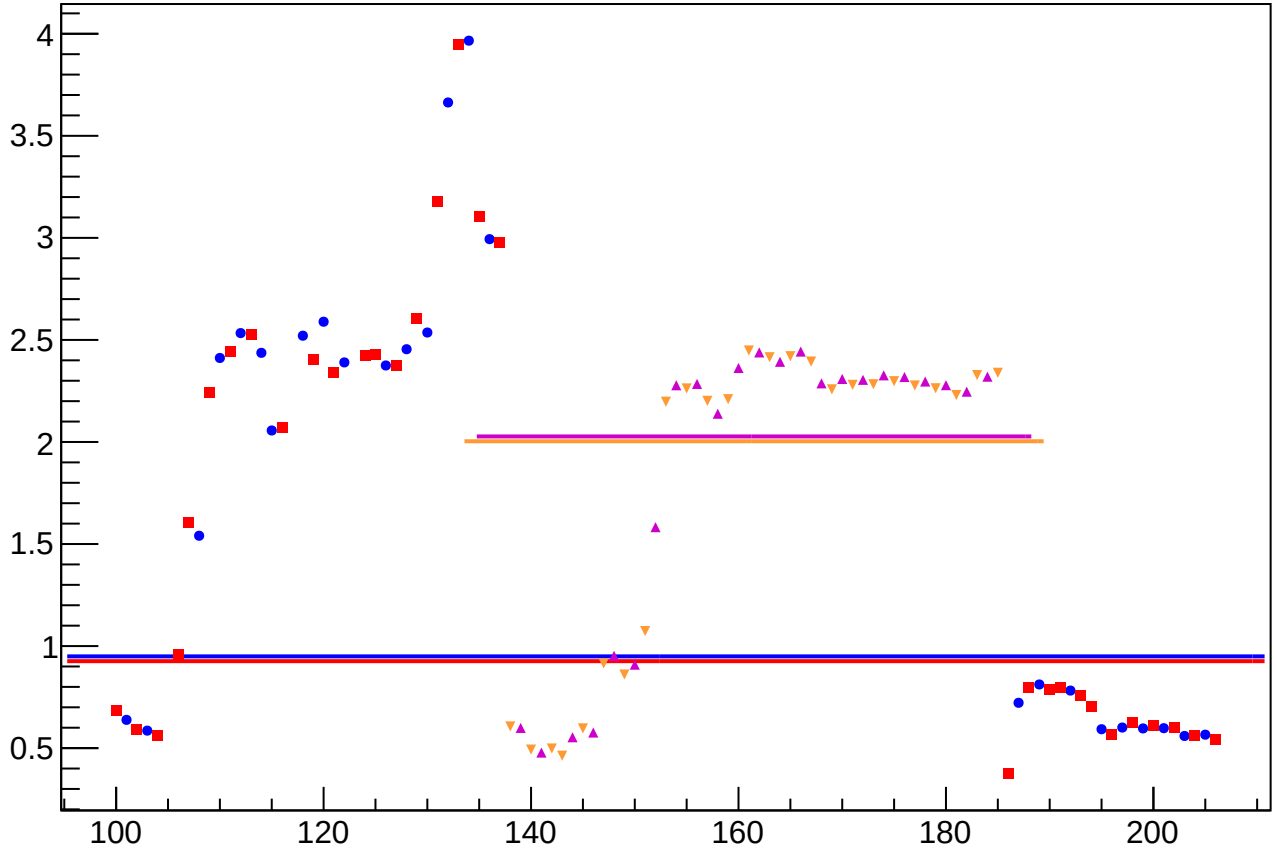
Right: 0.004+/-0.000 χ^2/NDF: 6863077.2/55

In: 0.005+/-0.000 χ^2/NDF:6370055.8/47

Out: 0.004+/-0.000 χ^2/NDF:6863259.0/55

All: 0.005+/-0.000 χ^2/NDF: 13261586.7/103

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.950+/-0.000 χ^2/NDF: 232478845167.0/24

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.926+/-0.000 χ^2/NDF: 267592257887.6/30

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

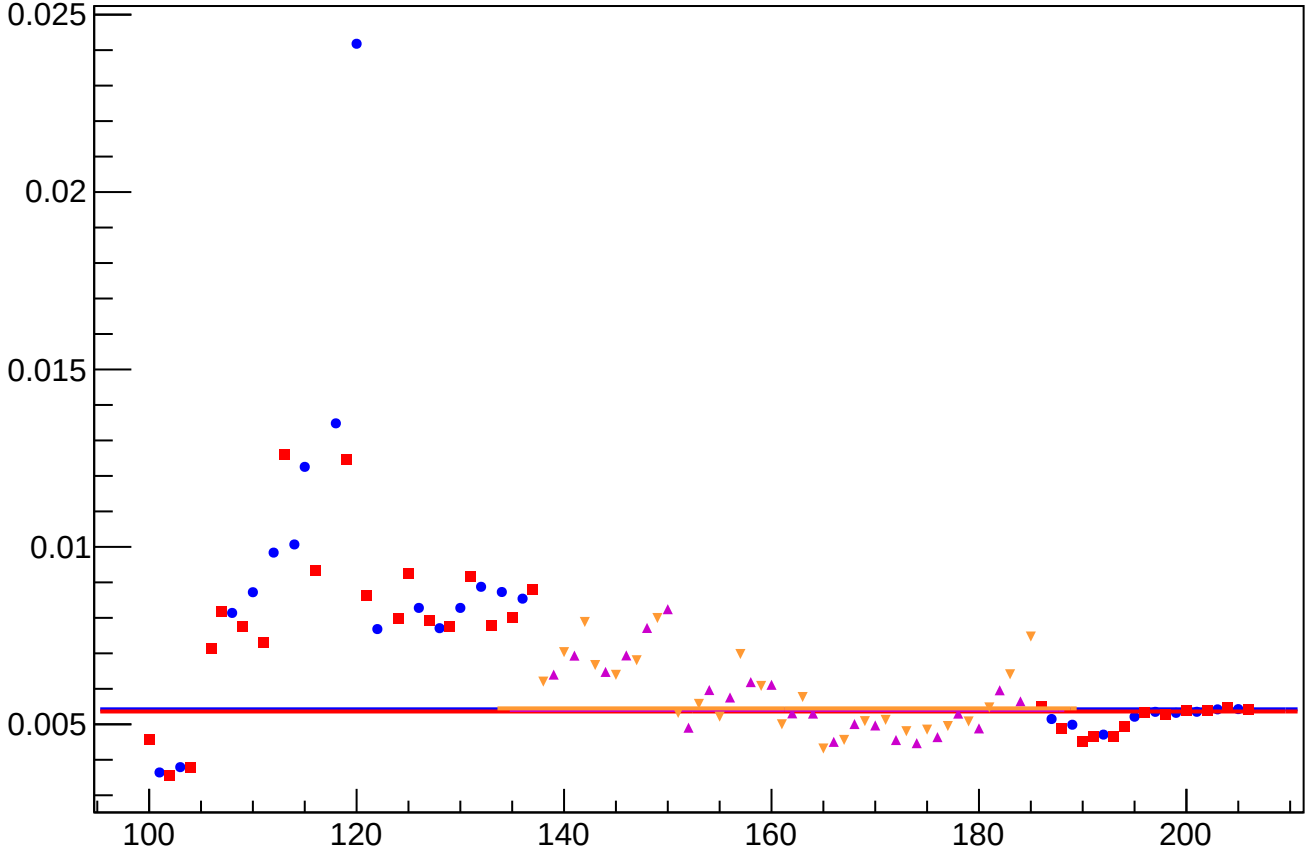
Right: 0.937+/-0.000 χ^2/NDF: 500191277981.2/55

In: 1.568+/-0.000 χ^2/NDF:689589130678.0/47

Out: 1.497+/-0.000 χ^2/NDF:787827290297.6/55

All: 1.531+/-0.000 χ^2/NDF: 1479926229080.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307213.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125711.9/30

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

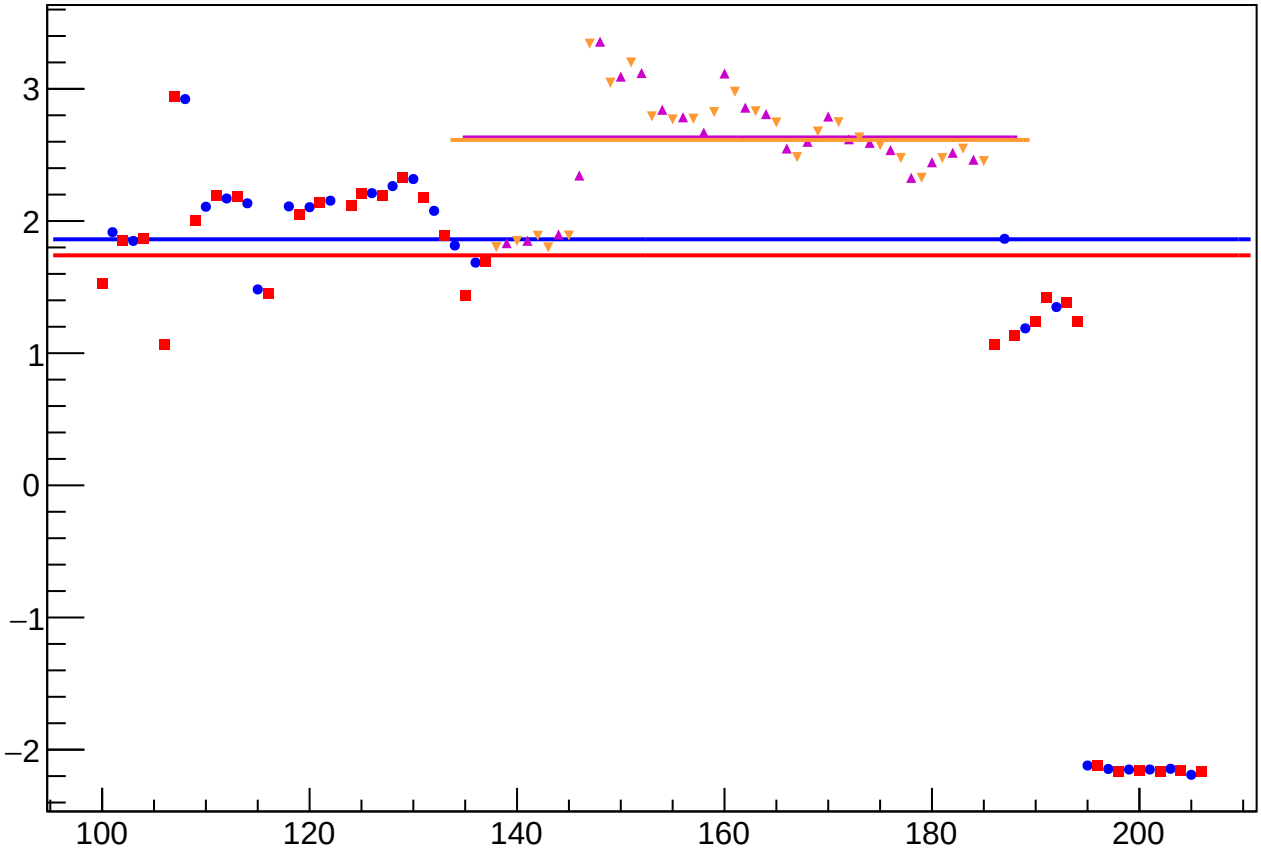
Right: 0.005+/-0.000 χ^2/NDF: 4434550.7/55

In: 0.005+/-0.000 χ^2/NDF:3122485.4/47

Out: 0.005+/-0.000 χ^2/NDF:2901125.7/55

All: 0.005+/-0.000 χ^2/NDF: 6023631.6/103

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.862+/-0.000 χ^2/NDF: 133647822969.9/24

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.740+/-0.000 χ^2/NDF: 143139406181.5/30

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

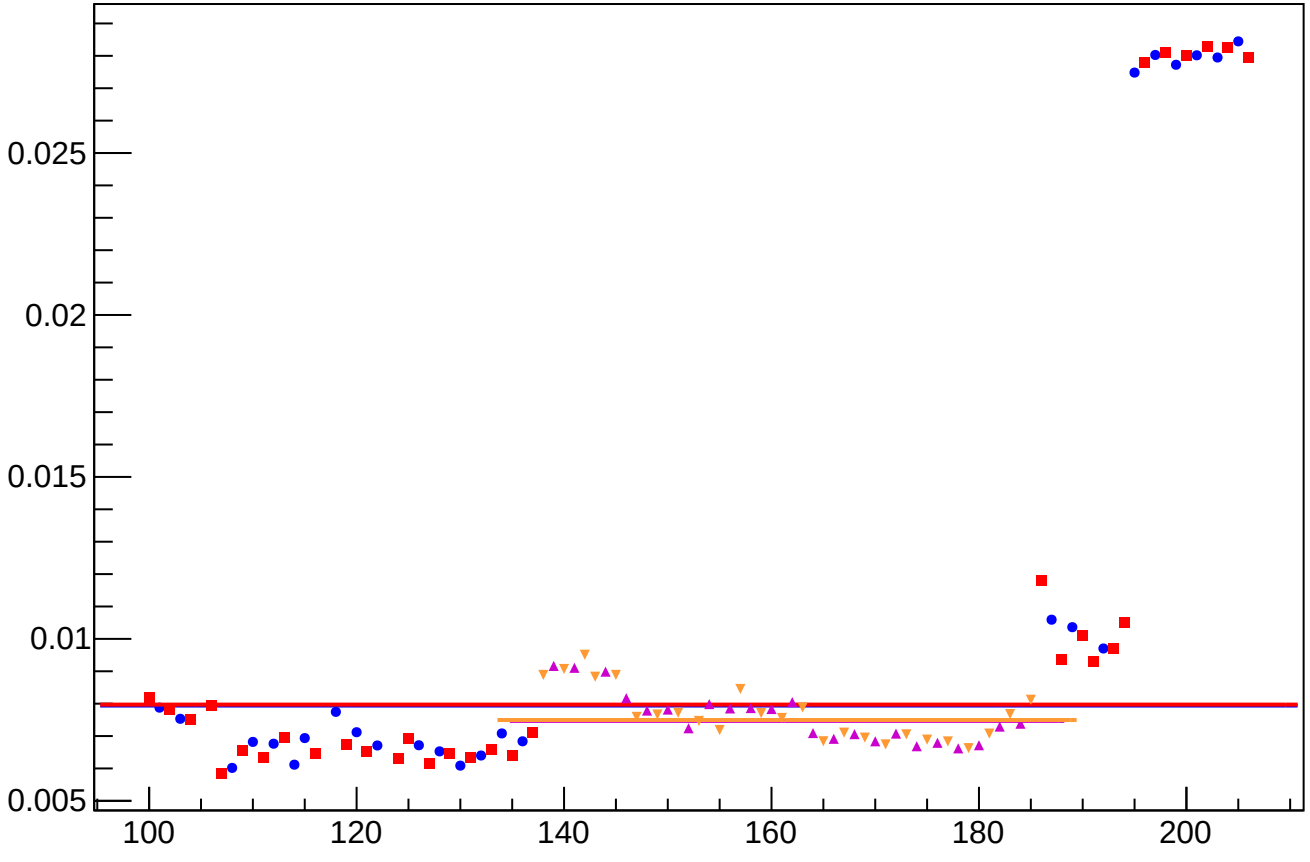
Right: 1.796+/-0.000 χ^2/NDF: 278143945633.8/55

In: 2.360+/-0.000 χ^2/NDF:239381262517.8/47

Out: 2.279+/-0.000 χ^2/NDF:283991396353.8/55

All: 2.317+/-0.000 χ^2/NDF: 525015076411.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 5895063.3/24

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6359080.1/30

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

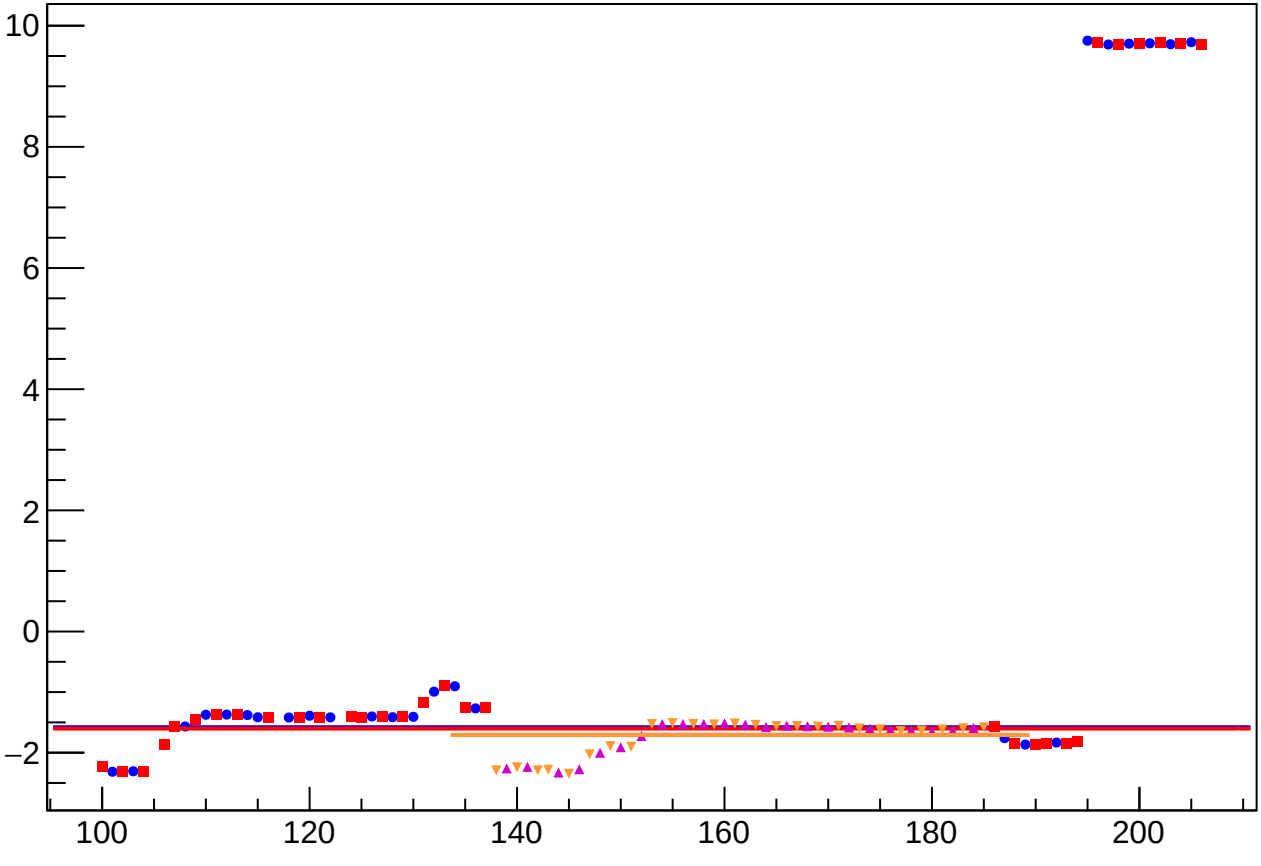
Right: 0.008+/-0.000 χ^2/NDF: 12254296.0/55

In: 0.008+/-0.000 χ^2/NDF:6266419.7/47

Out: 0.008+/-0.000 χ^2/NDF:6747845.8/55

All: 0.008+/-0.000 χ^2/NDF: 13015152.1/103

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.580+/-0.000 χ^2/NDF: 361156280825.9/24

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.602+/-0.000 χ^2/NDF: 375494251419.7/30

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

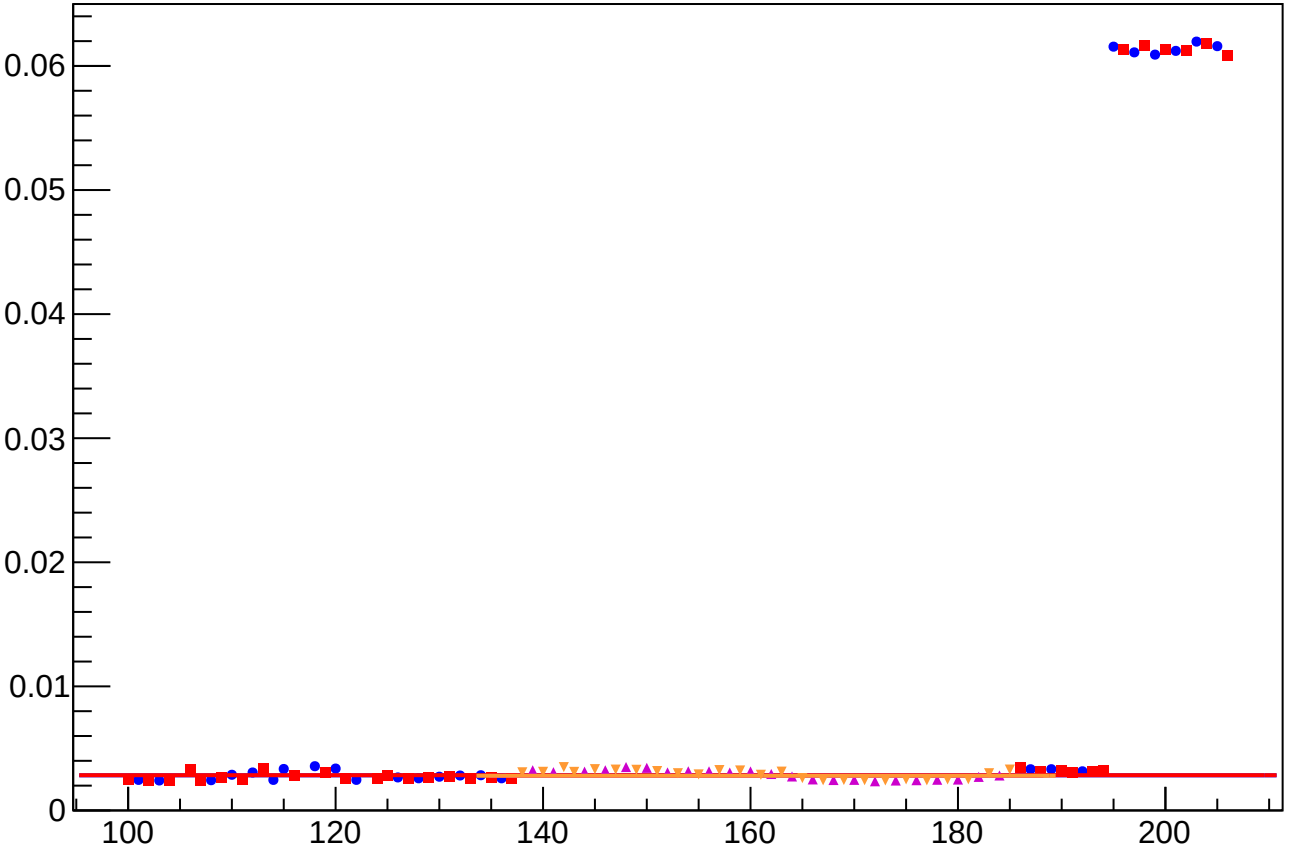
Right: -1.592+/-0.000 χ^2/NDF: 736936056688.2/55

In: -1.664+/-0.000 χ^2/NDF:509197752652.2/47

Out: -1.669+/-0.000 χ^2/NDF:536756171539.4/55

All: -1.666+/-0.000 χ^2/NDF: 1045997026846

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9659753.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9943013.2/30

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

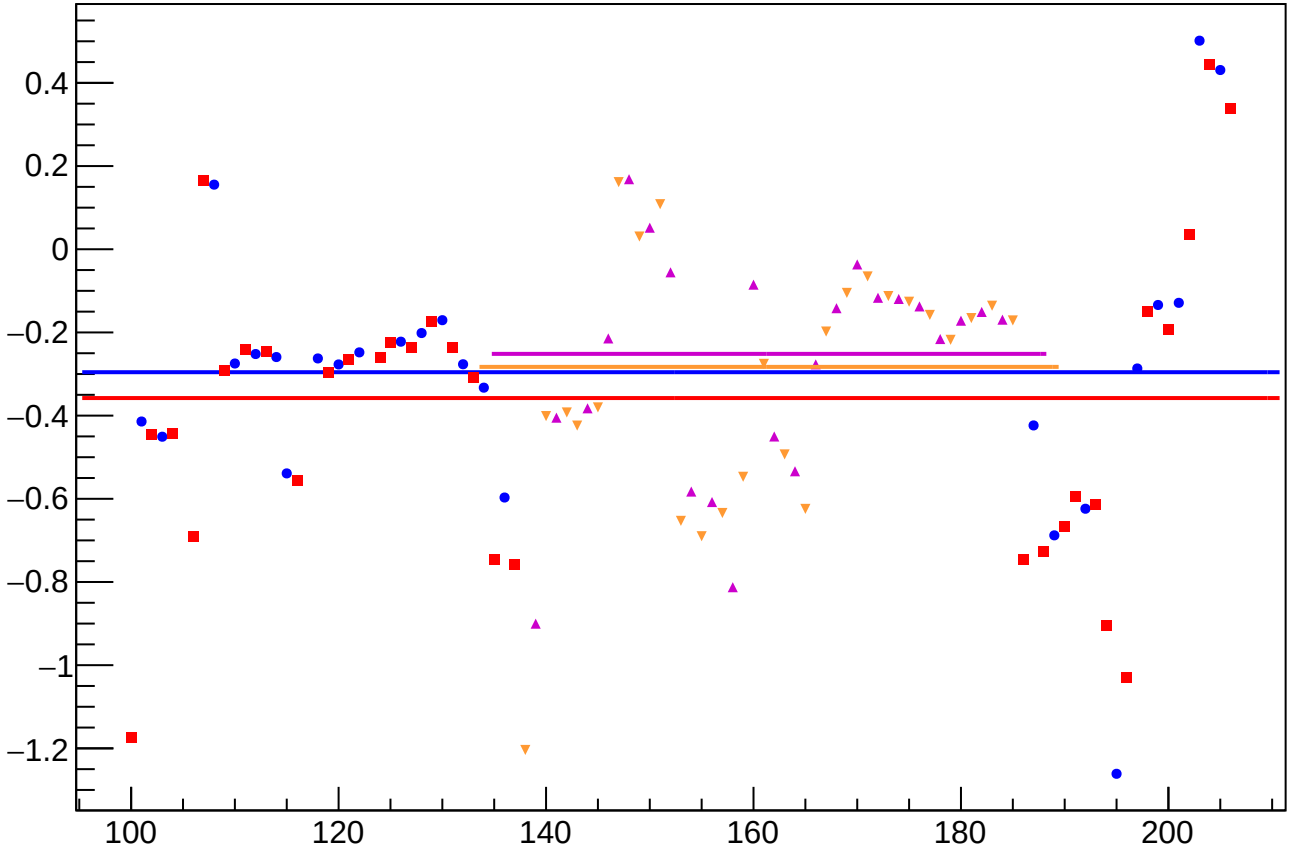
Right: 0.003+/-0.000 χ^2/NDF: 19602928.4/55

In: 0.003+/-0.000 χ^2/NDF:10219908.6/47

Out: 0.003+/-0.000 χ^2/NDF:10494162.9/55

All: 0.003+/-0.000 χ^2/NDF: 20714716.3/103

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.296+/-0.000 χ^2/NDF: 7486207893.0/24

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.358+/-0.000 χ^2/NDF: 8753352939.0/30

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

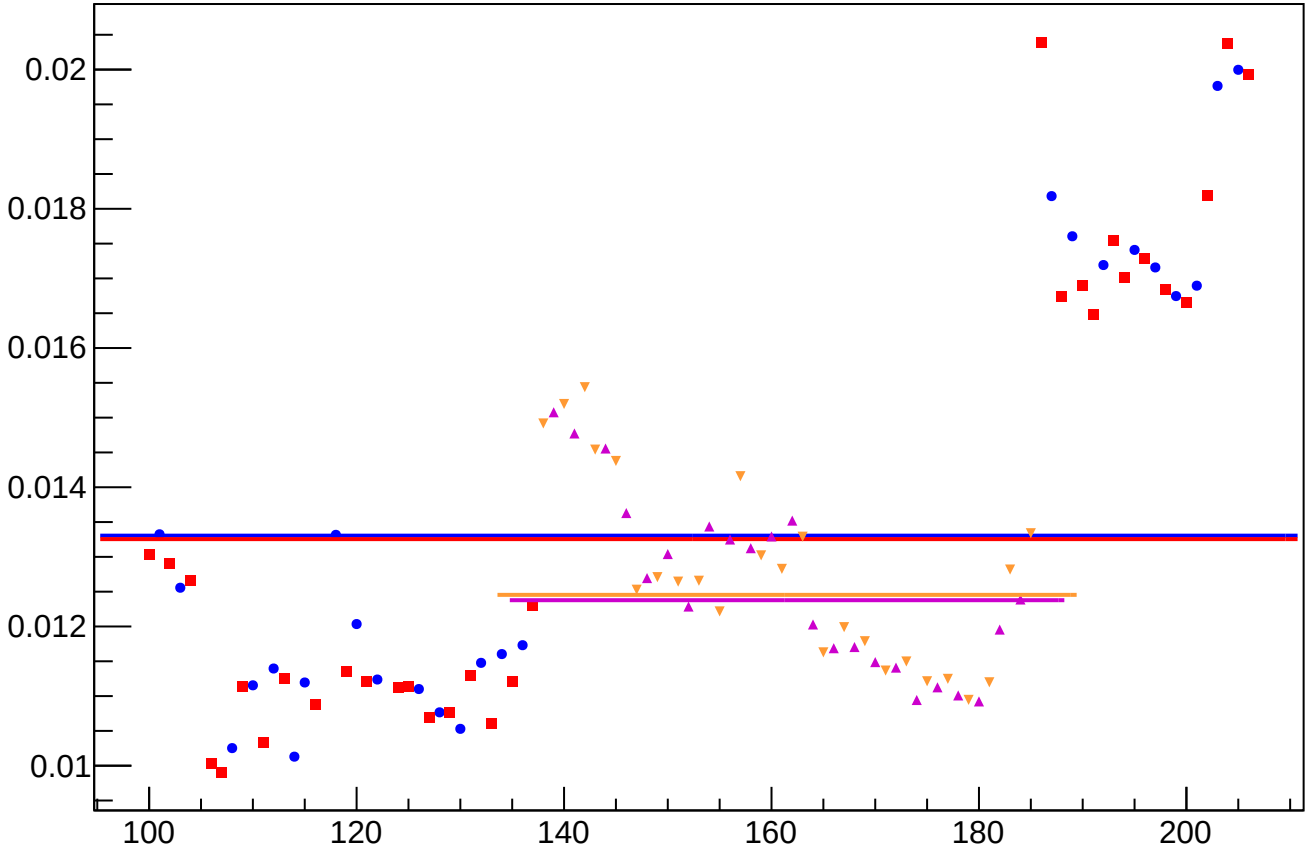
Right: -0.329+/-0.000 χ^2/NDF: 16392527636.9/55

In: -0.269+/-0.000 χ^2/NDF:14739958327.0/47

Out: -0.314+/-0.000 χ^2/NDF:18376161292.9/55

All: -0.293+/-0.000 χ^2/NDF: 33318395599.7/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1289790.8/24

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1765241.0/30

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

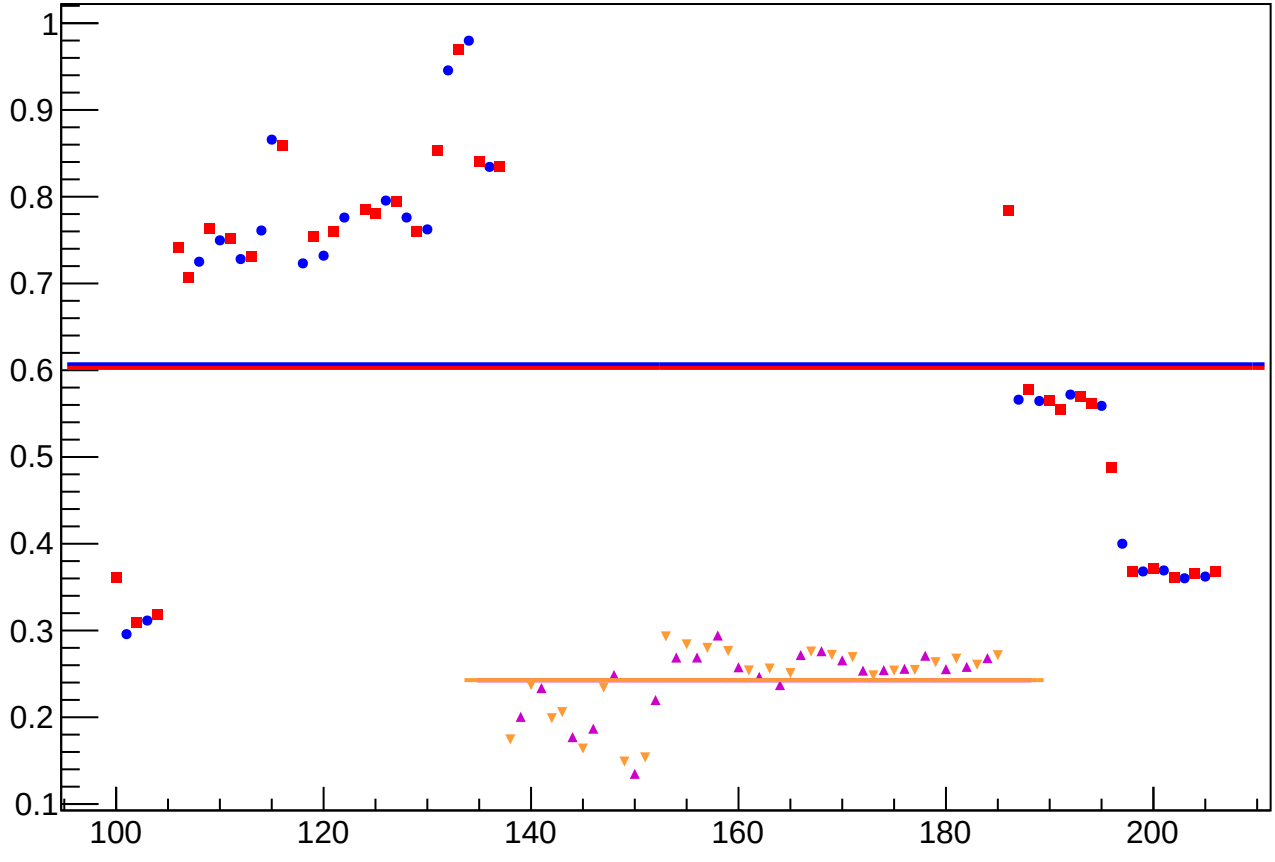
Right: 0.013+/-0.000 χ^2/NDF: 3055228.1/55

In: 0.013+/-0.000 χ^2/NDF:1693164.1/47

Out: 0.013+/-0.000 χ^2/NDF:2170403.3/55

All: 0.013+/-0.000 χ^2/NDF: 3864055.3/103

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.607+/-0.000 χ^2/NDF: 85164211264.4/24

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.603+/-0.000 χ^2/NDF: 85499510757.2/30

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

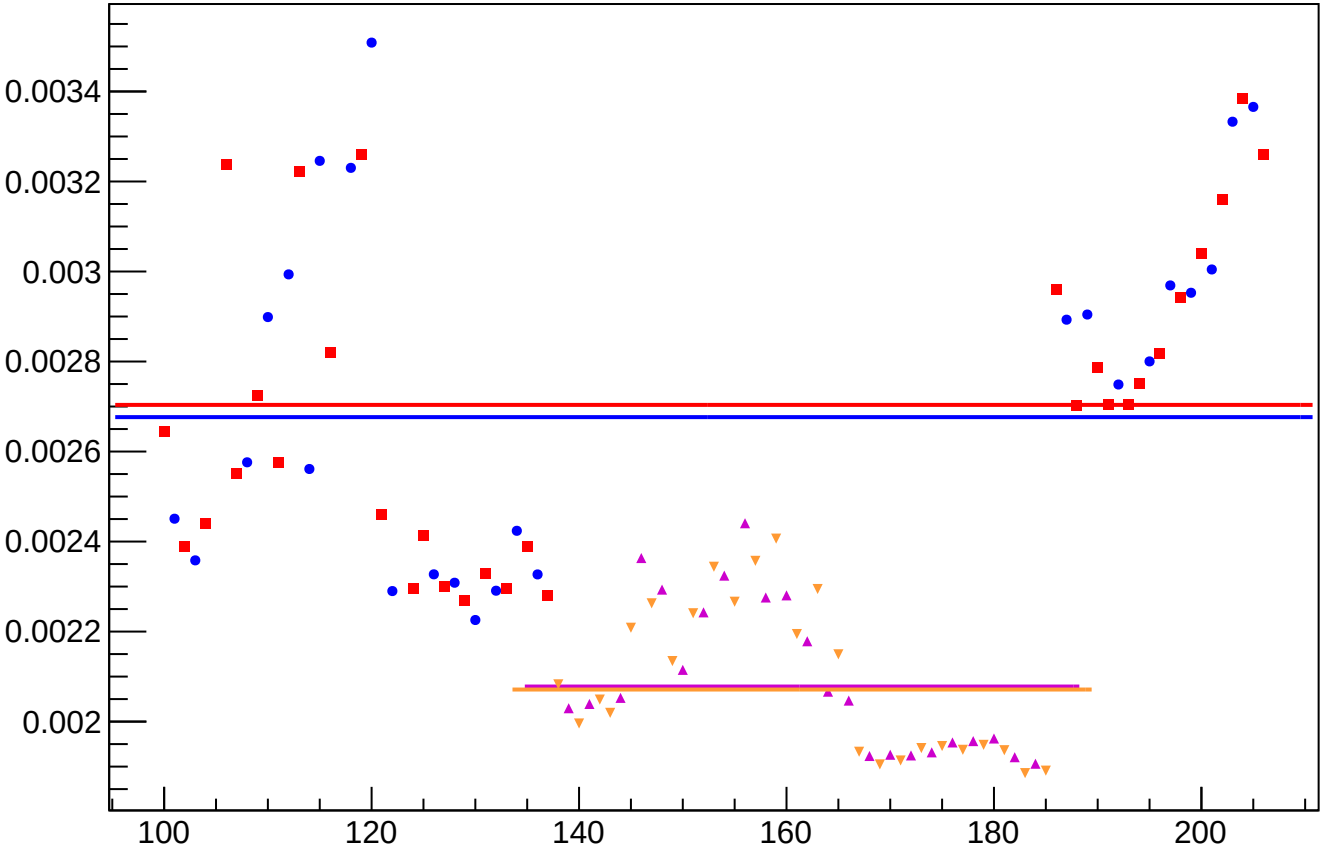
Right: 0.605+/-0.000 χ^2/NDF: 170681164076.9/55

In: 0.355+/-0.000 χ^2/NDF:262132239580.9/47

Out: 0.360+/-0.000 χ^2/NDF:279916445533.4/55

All: 0.357+/-0.000 χ^2/NDF: 542125036408.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 500212.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 471848.6/30

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

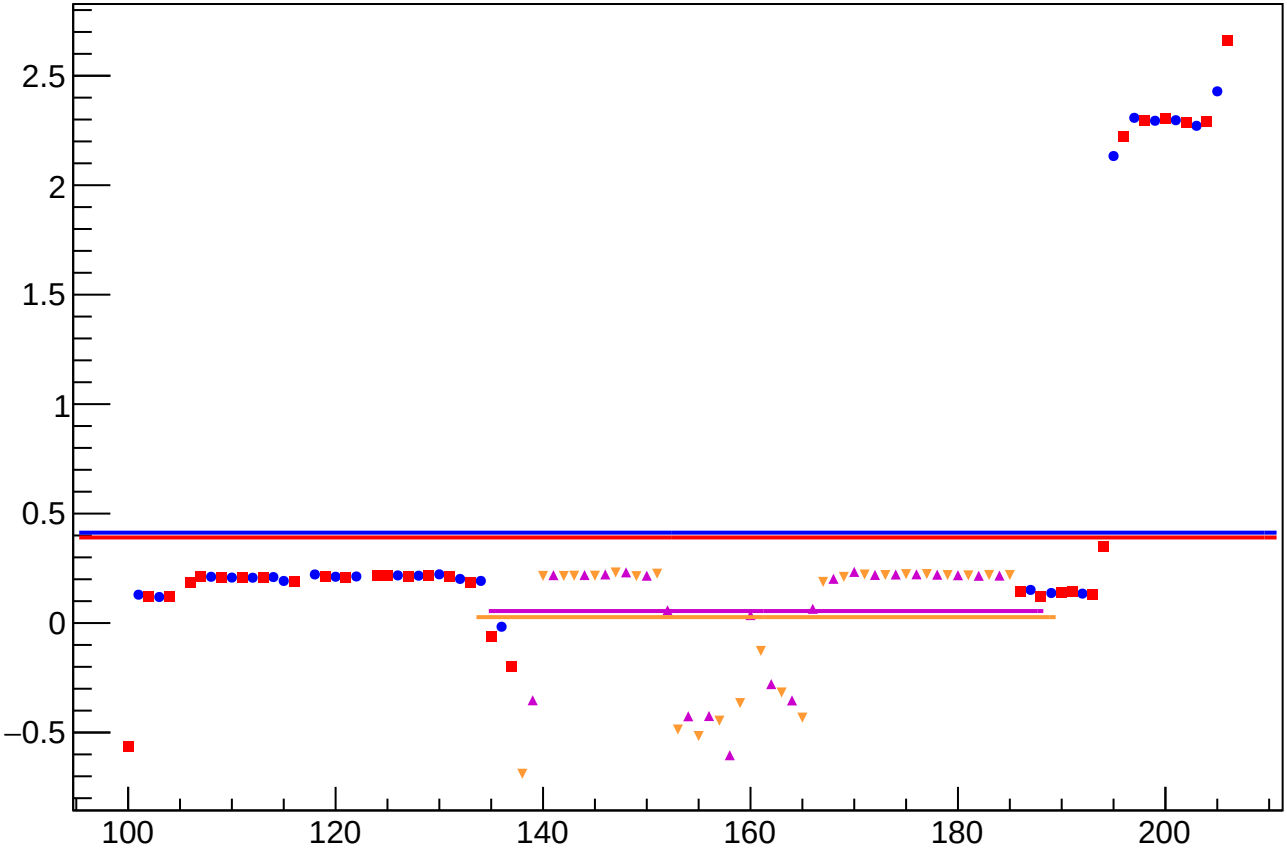
Right: 0.003+/-0.000 χ^2/NDF: 973531.2/55

In: 0.002+/-0.000 χ^2/NDF:1636269.2/47

Out: 0.002+/-0.000 χ^2/NDF:1861432.8/55

All: 0.002+/-0.000 χ^2/NDF: 3499010.6/103

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.413+/-0.000 χ^2/NDF: 40097553390.8/24

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.391+/-0.000 χ^2/NDF: 46202043865.5/30

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

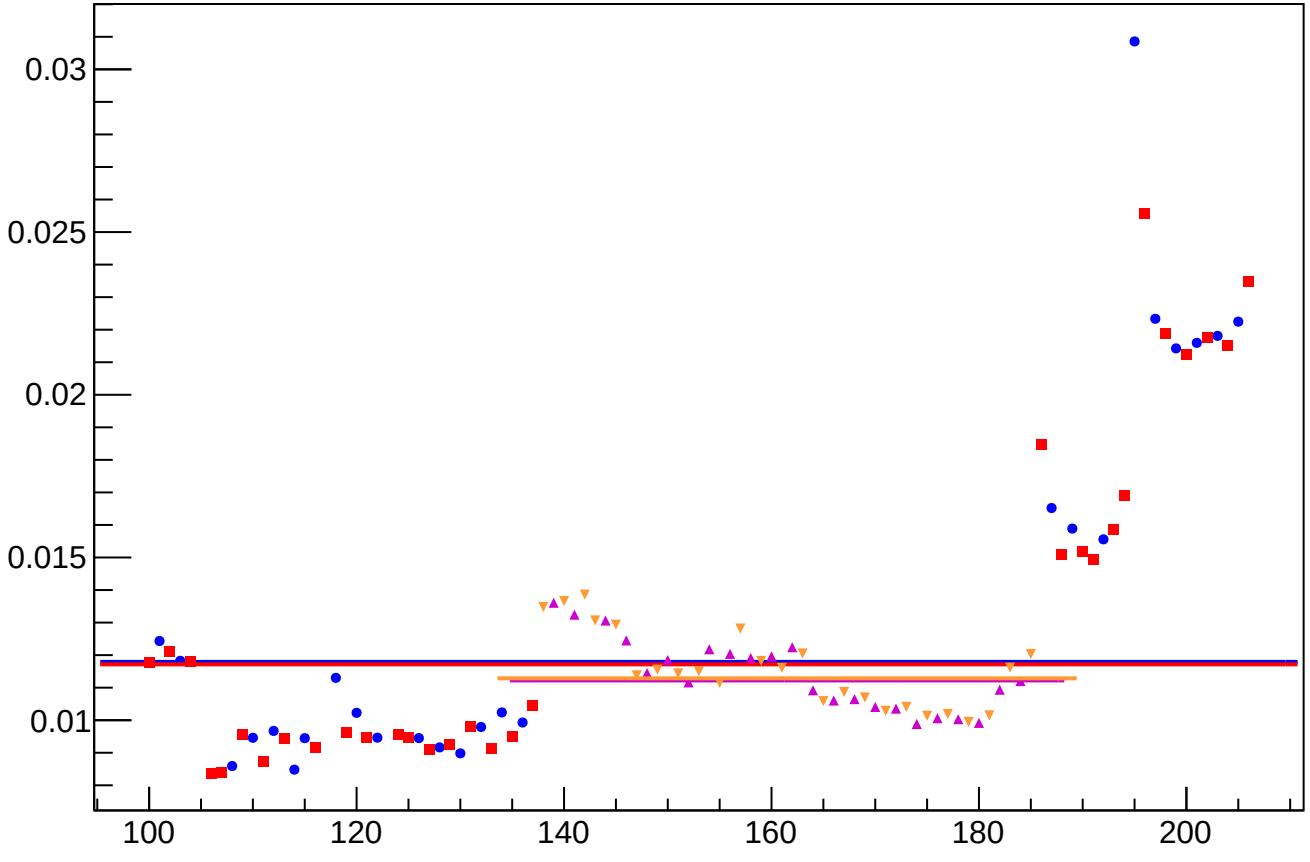
Right: 0.401+/-0.000 χ^2/NDF: 86322514390.9/55

In: 0.193+/-0.000 χ^2/NDF:56620914731.4/47

Out: 0.179+/-0.000 χ^2/NDF:67121407603.0/55

All: 0.186+/-0.000 χ^2/NDF: 123765787578.4

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 3352048.4/24

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3813418.0/30

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

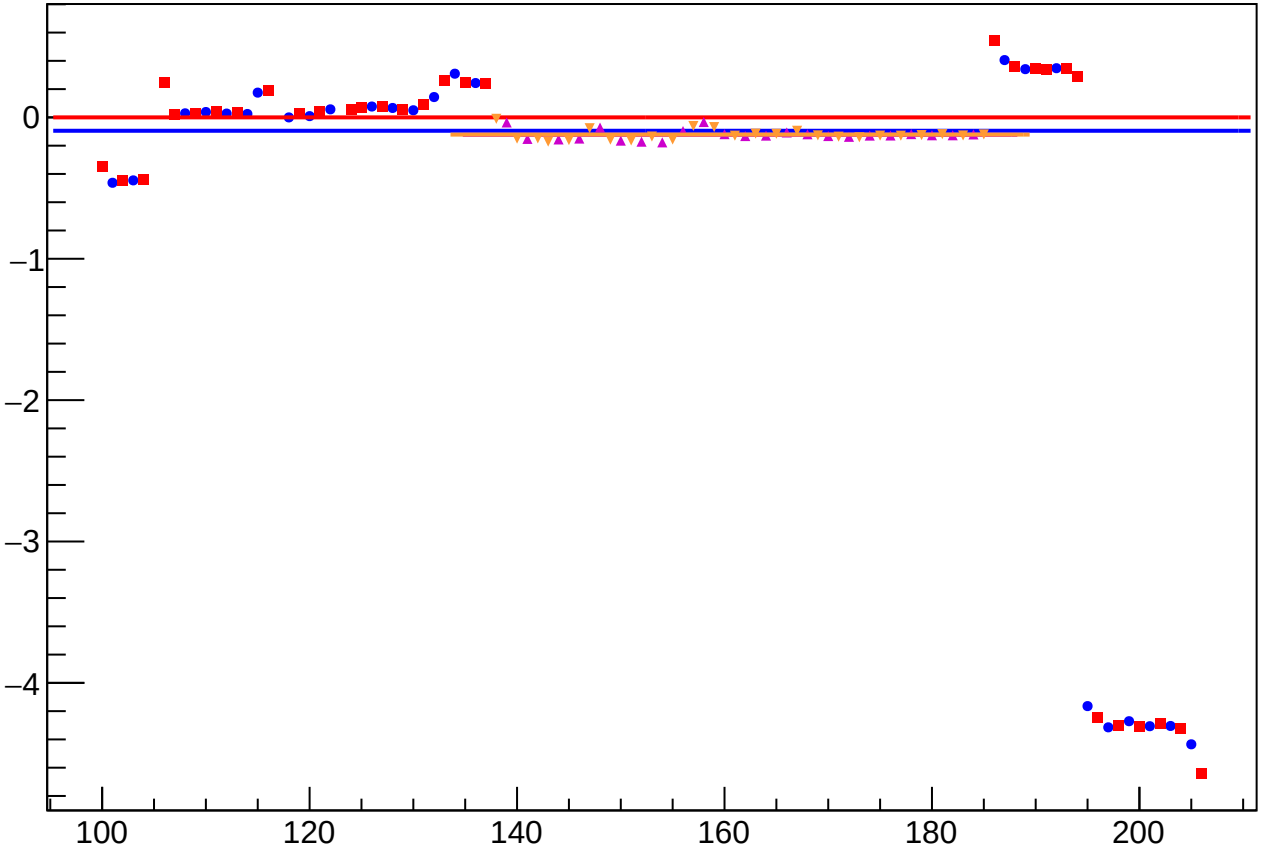
Right: 0.012+/-0.000 χ^2/NDF: 7166006.1/55

In: 0.011+/-0.000 χ^2/NDF:3701742.9/47

Out: 0.011+/-0.000 χ^2/NDF:4163800.2/55

All: 0.011+/-0.000 χ^2/NDF: 7865673.0/103

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 300296773613.4/24

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 341680073955.0/30

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

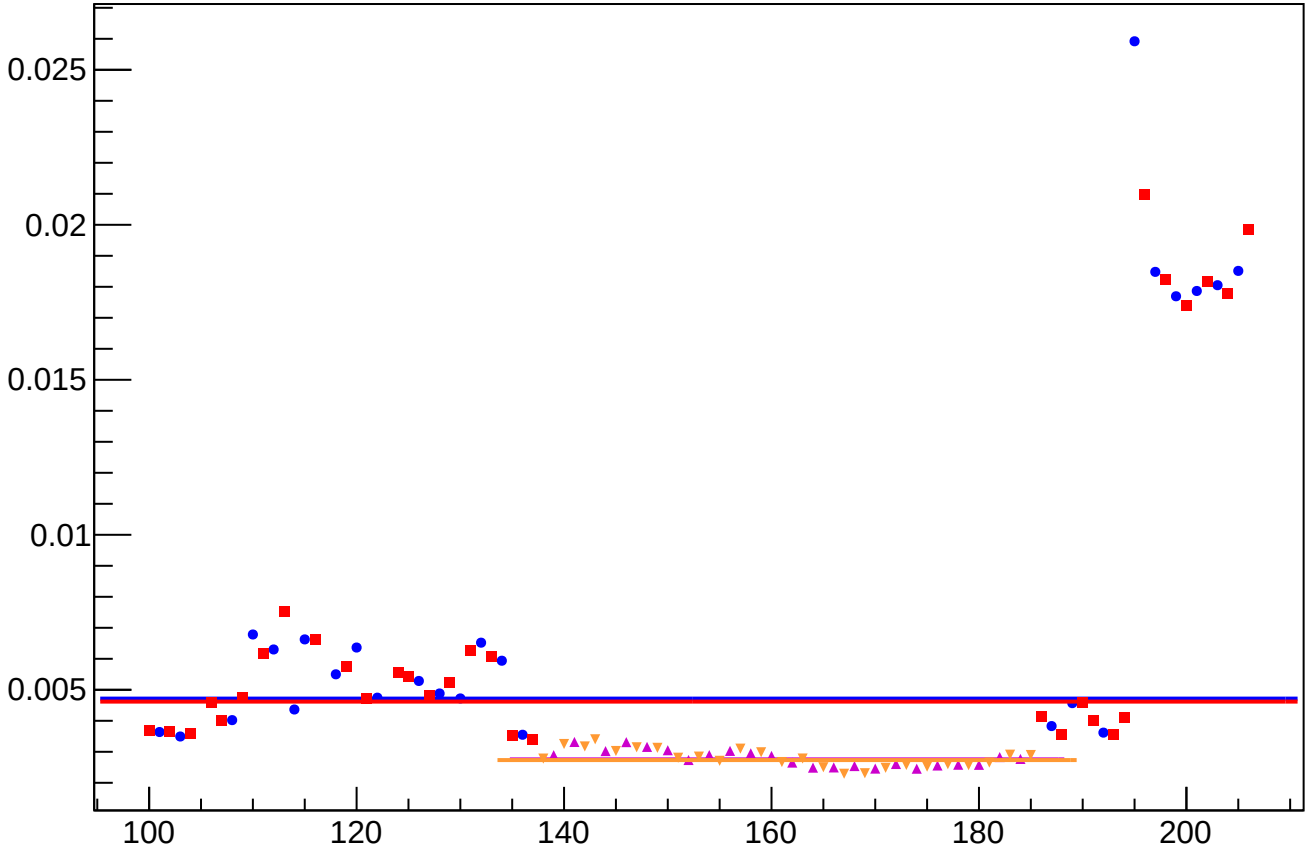
Right: -0.042+/-0.000 χ^2/NDF: 644177280283.0/55

In: -0.119+/-0.000 χ^2/NDF:303418147597.0/47

Out: -0.099+/-0.000 χ^2/NDF:351312204908.7/55

All: -0.109+/-0.000 χ^2/NDF: 655280247930.1

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6766480.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7015888.1/30

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

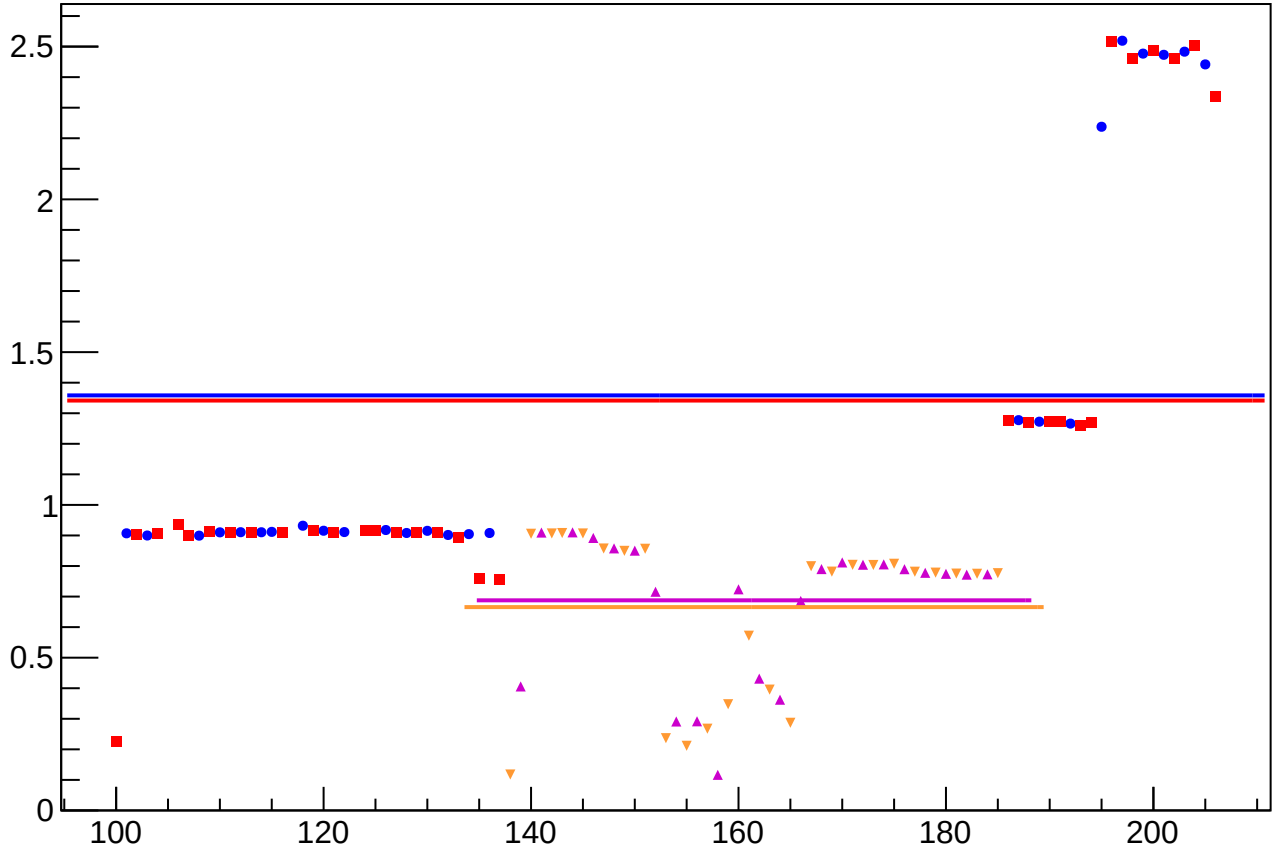
Right: 0.005+/-0.000 χ^2/NDF: 13786945.6/55

In: 0.003+/-0.000 χ^2/NDF:9896947.3/47

Out: 0.003+/-0.000 χ^2/NDF:10623006.4/55

All: 0.003+/-0.000 χ^2/NDF: 20520084.7/103

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.358+/-0.000 χ^2/NDF: 40488031055.1/24

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.342+/-0.000 χ^2/NDF: 46378264196.3/30

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

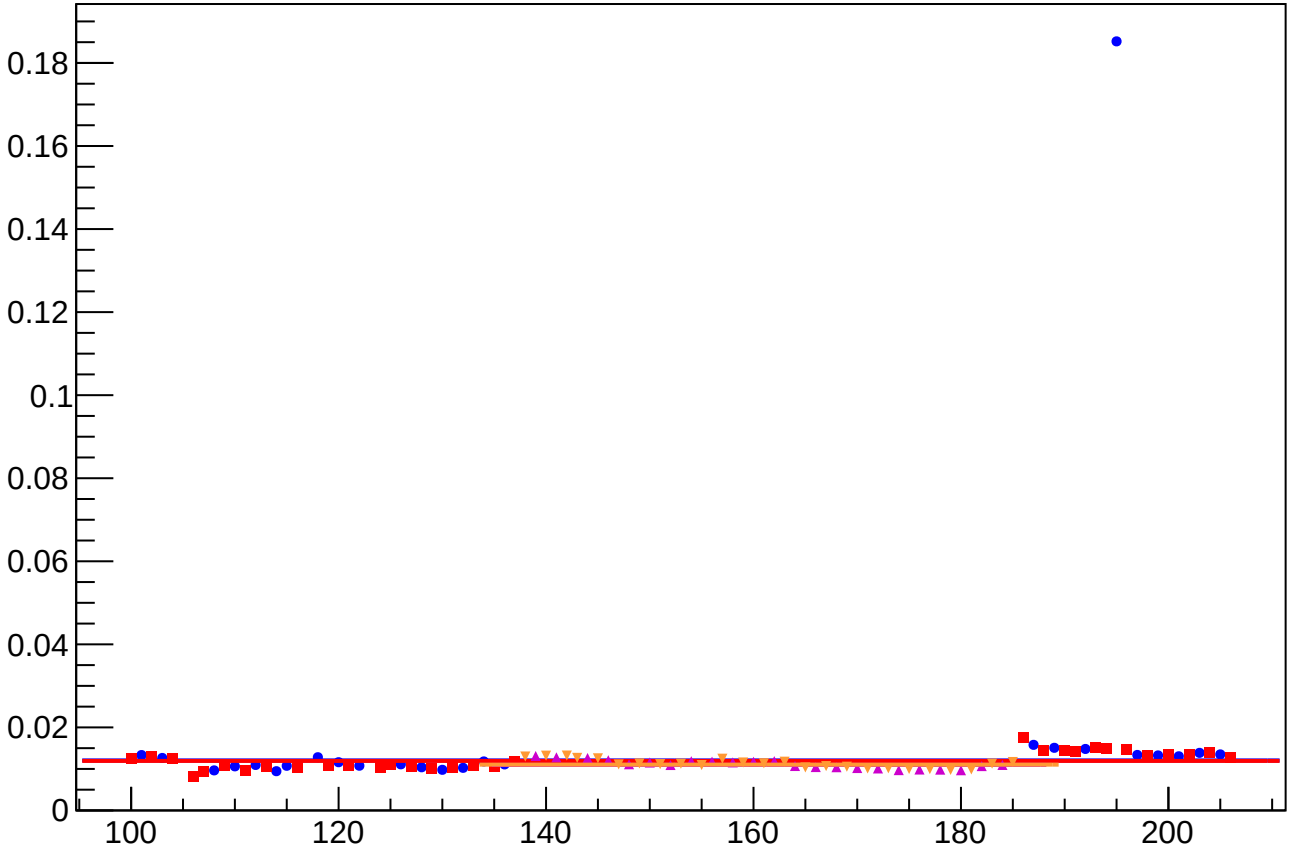
Right: 1.349+/-0.000 χ^2/NDF: 86879869114.6/55

In: 0.939+/-0.000 χ^2/NDF:71941069907.9/47

Out: 0.944+/-0.000 χ^2/NDF:84069281116.9/55

All: 0.942+/-0.000 χ^2/NDF: 156013226722.8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1995926.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 786967.3/30

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

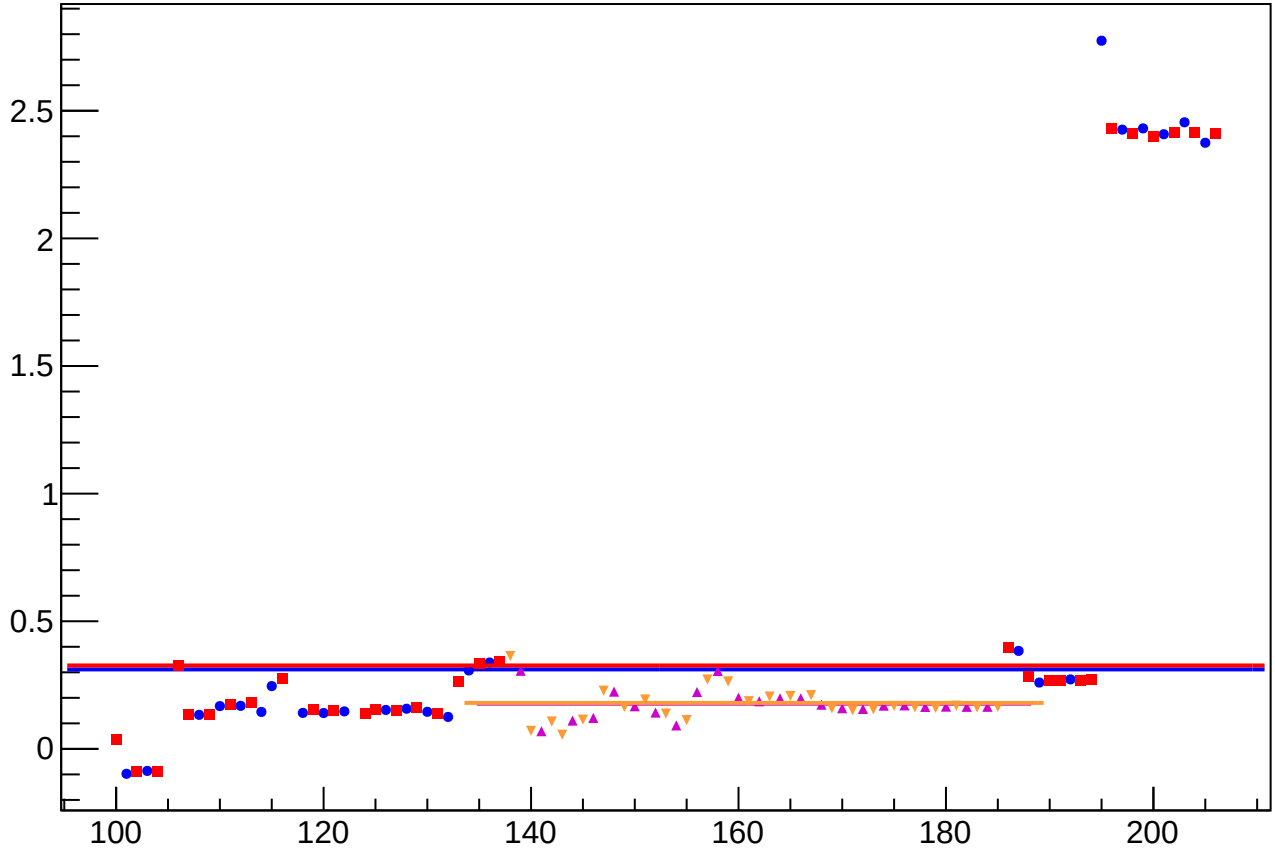
Right: 0.012+/-0.000 χ^2/NDF: 2784303.9/55

In: 0.011+/-0.000 χ^2/NDF:2411422.3/47

Out: 0.011+/-0.000 χ^2/NDF:1187144.4/55

All: 0.011+/-0.000 χ^2/NDF: 3598753.8/103

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.311+/-0.000 χ^2/NDF: 129547418830.1/24

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.327+/-0.000 χ^2/NDF: 140811633874.6/30

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

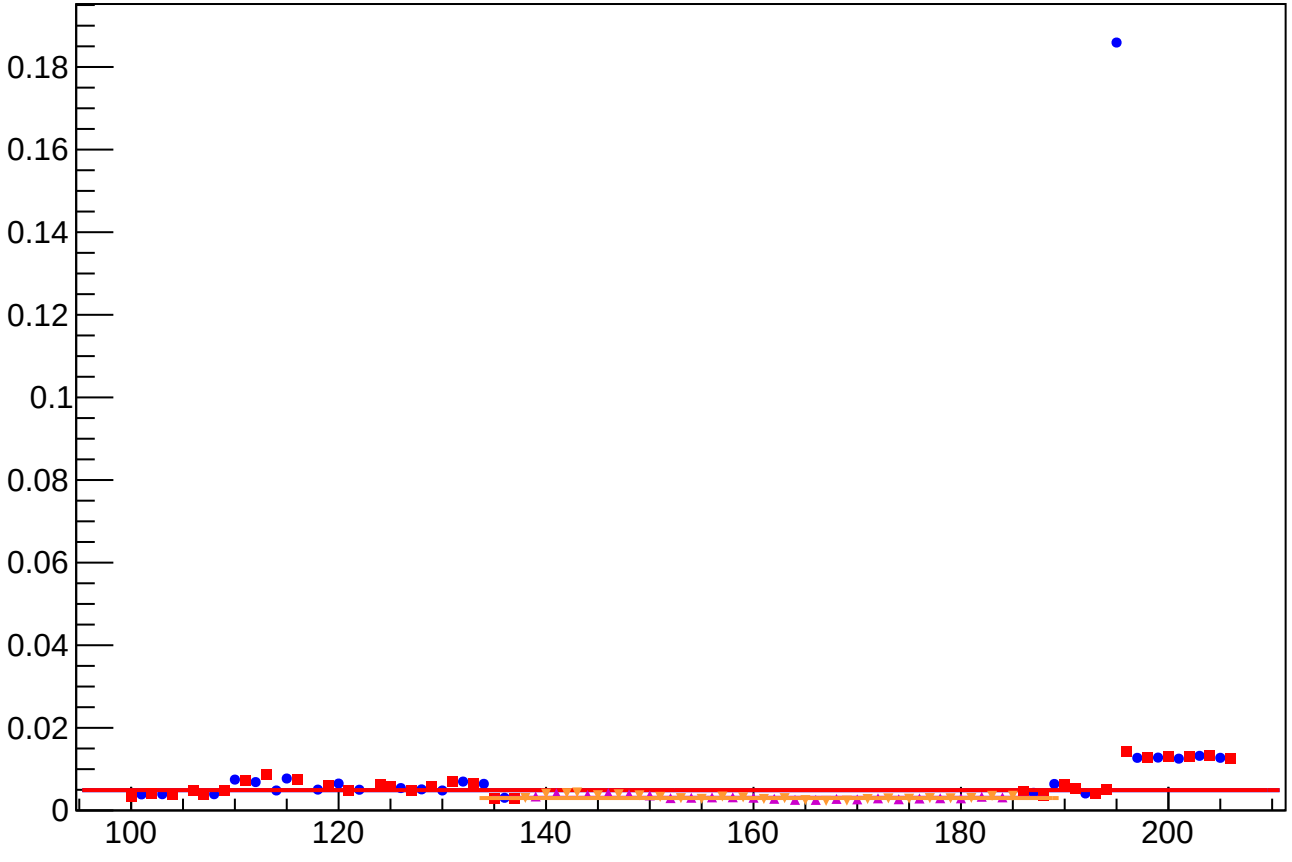
Right: 0.320+/-0.000 χ^2/NDF: 270412193879.7/55

In: 0.202+/-0.000 χ^2/NDF:140128487484.8/47

Out: 0.209+/-0.000 χ^2/NDF:155657165253.4/55

All: 0.206+/-0.000 χ^2/NDF: 295842642842.9

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6055387.7/24

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5254901.4/30

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

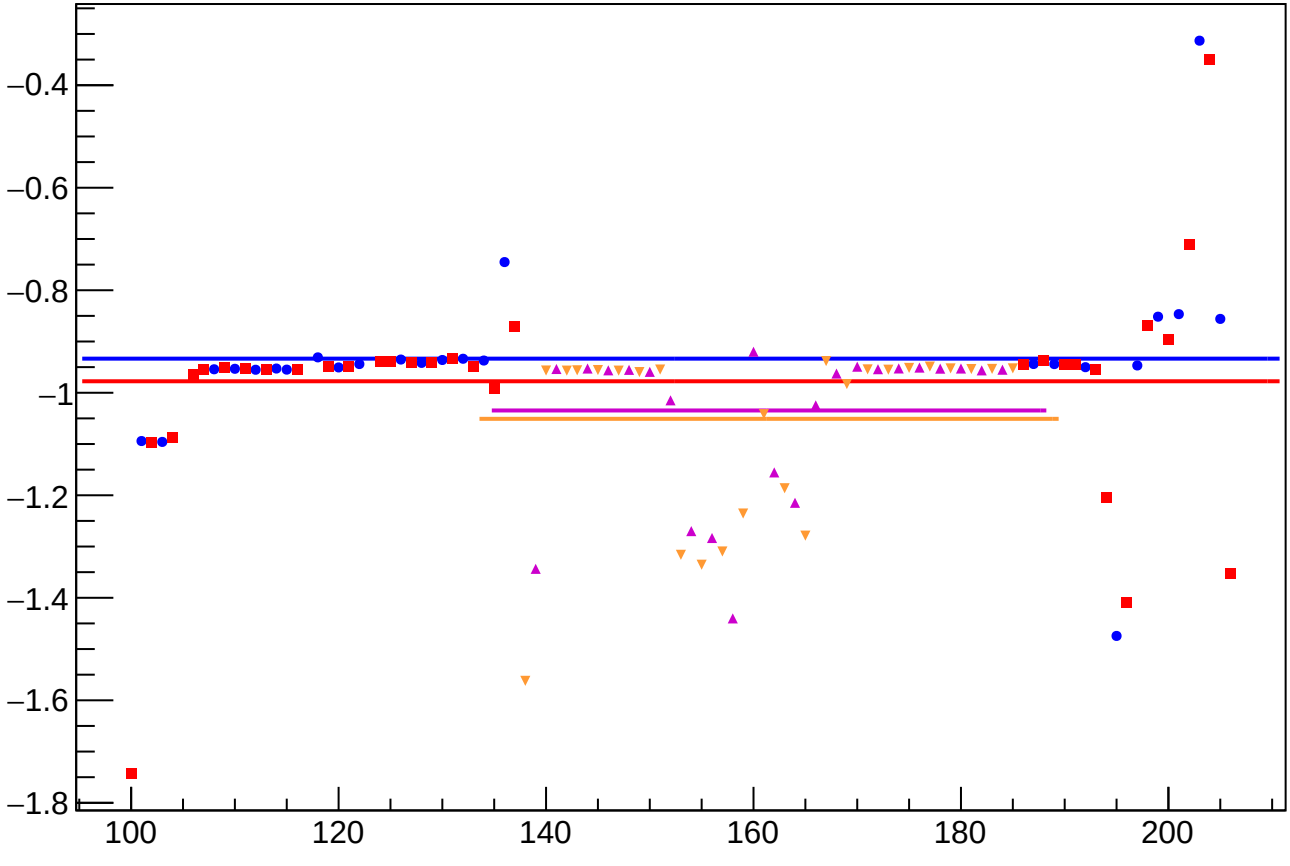
Right: 0.005+/-0.000 χ^2/NDF: 11310747.7/55

In: 0.003+/-0.000 χ^2/NDF:8843800.1/47

Out: 0.003+/-0.000 χ^2/NDF:9037511.8/55

All: 0.003+/-0.000 χ^2/NDF: 17883203.3/103

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.933+/-0.000 χ^2/NDF: 3485936960.7/24

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.978+/-0.000 χ^2/NDF: 4082143119.4/30

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

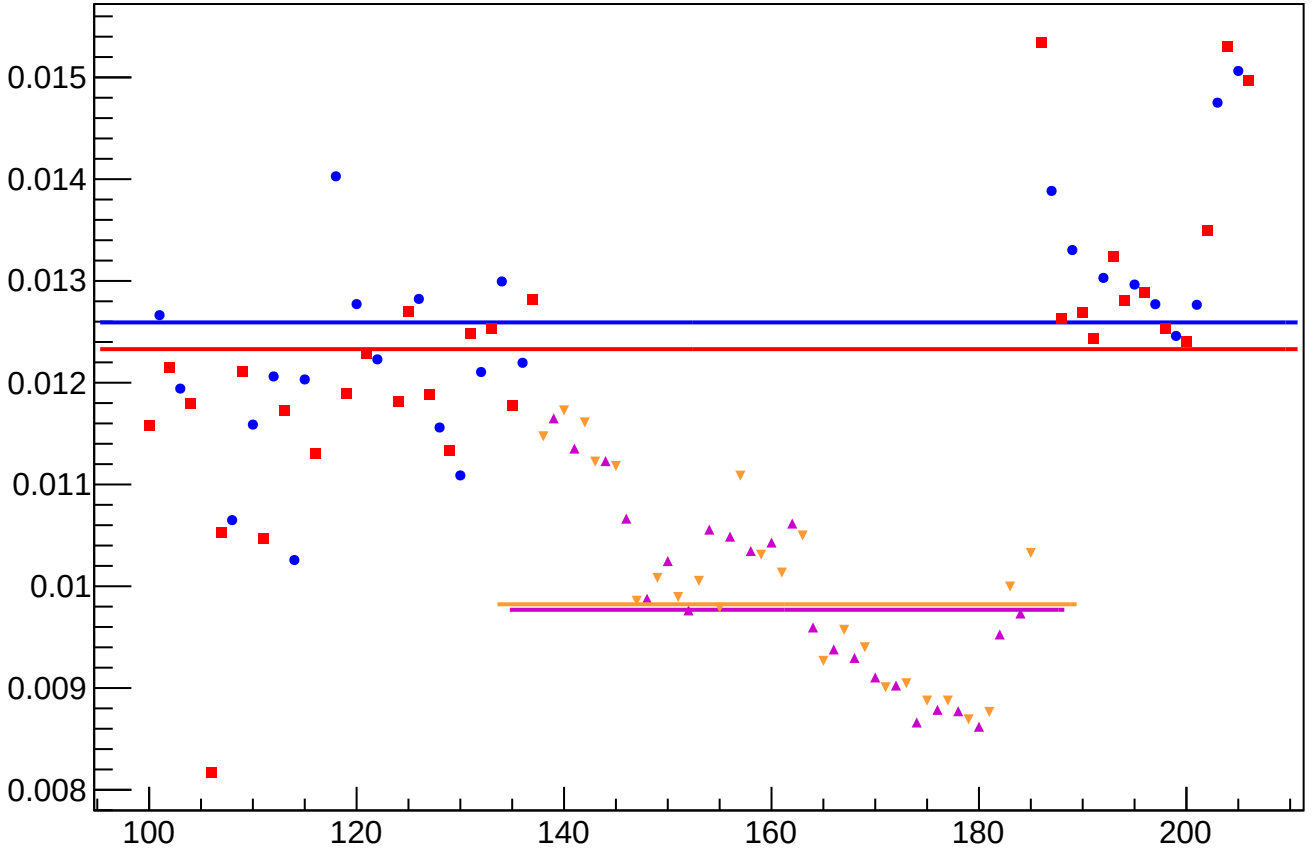
Right: -0.958+/-0.000 χ^2/NDF: 7659114091.2/55

In: -1.003+/-0.000 χ^2/NDF:8005900577.0/47

Out: -1.025+/-0.000 χ^2/NDF:9525678291.0/55

All: -1.014+/-0.000 χ^2/NDF: 17603283342.1/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 180941.6/24

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 404517.4/30

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

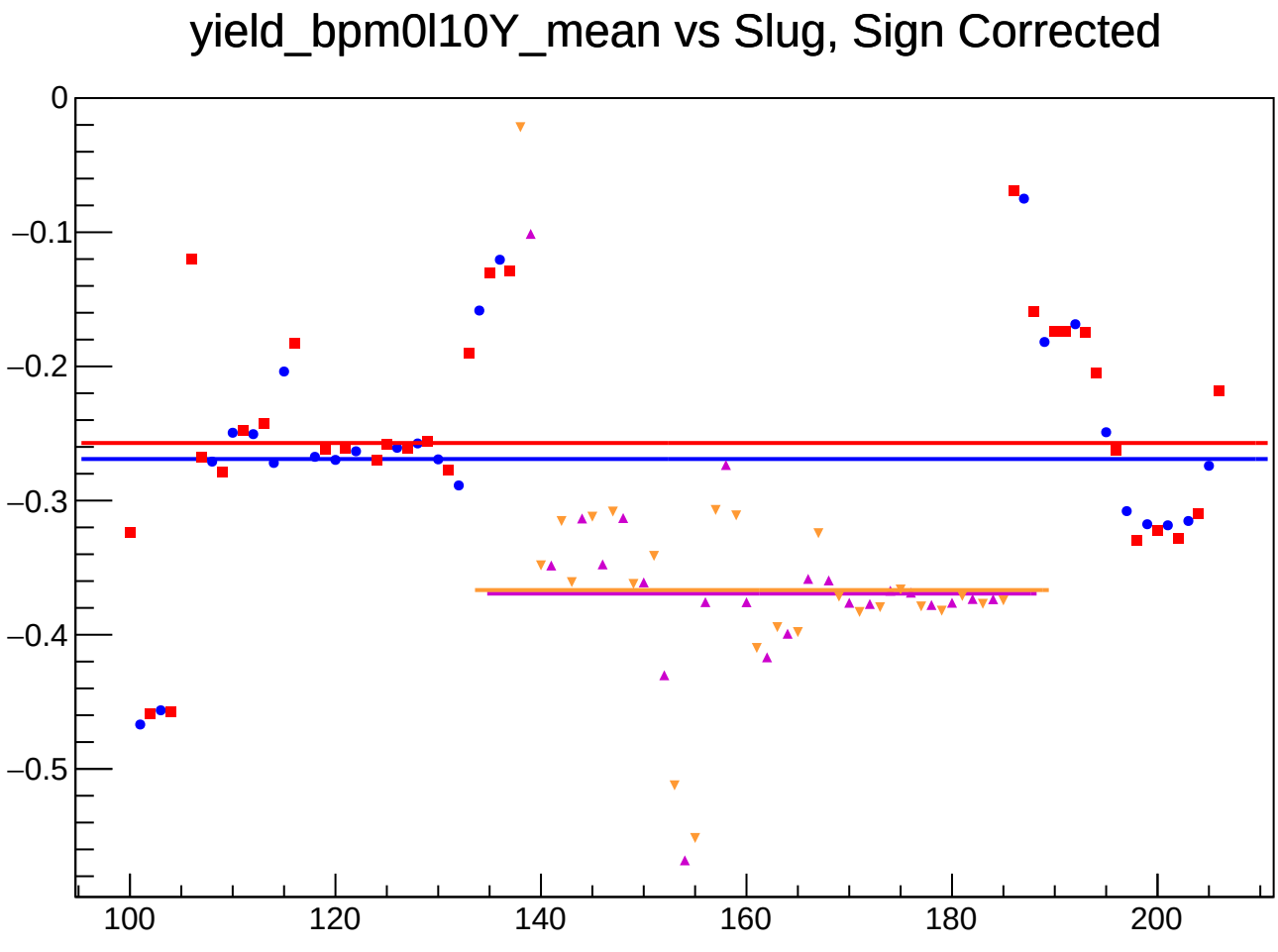
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 591910.7/55

In: 0.011+/-0.000 χ^2/NDF:1389718.0/47

Out: 0.011+/-0.000 χ^2/NDF:1544208.7/55

All: 0.011+/-0.000 χ^2/NDF: 2934402.6/103



Right In: -0.269+/-0.000 χ^2/NDF: 7710395530.2/24

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.257+/-0.000 χ^2/NDF: 8313883953.4/30

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

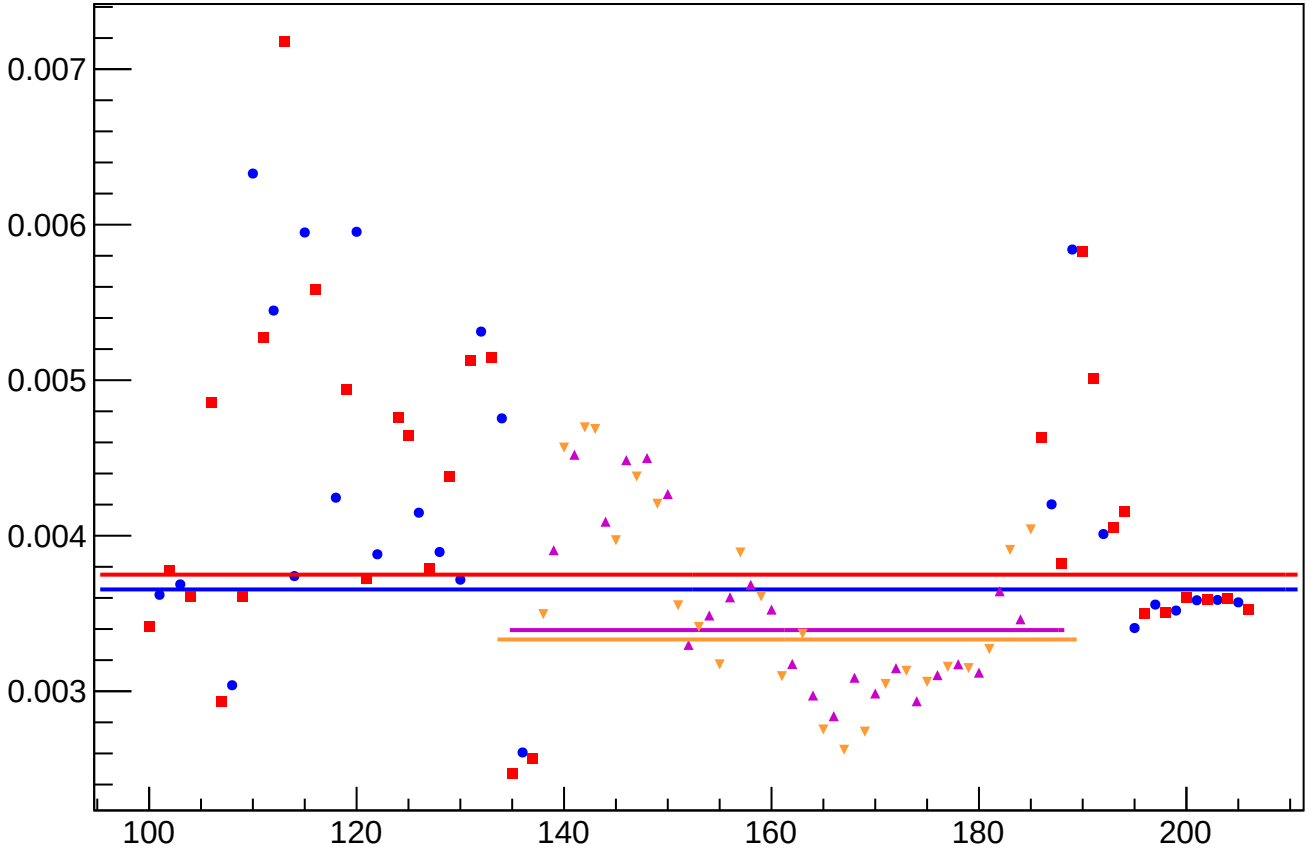
Right: -0.263+/-0.000 χ^2/NDF: 16093755559.2/55

In: -0.330+/-0.000 χ^2/NDF:20946114805.9/47

Out: -0.323+/-0.000 χ^2/NDF:27772156600.4/55

All: -0.327+/-0.000 χ^2/NDF: 48777173268.8/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 903842.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1091204.0/30

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

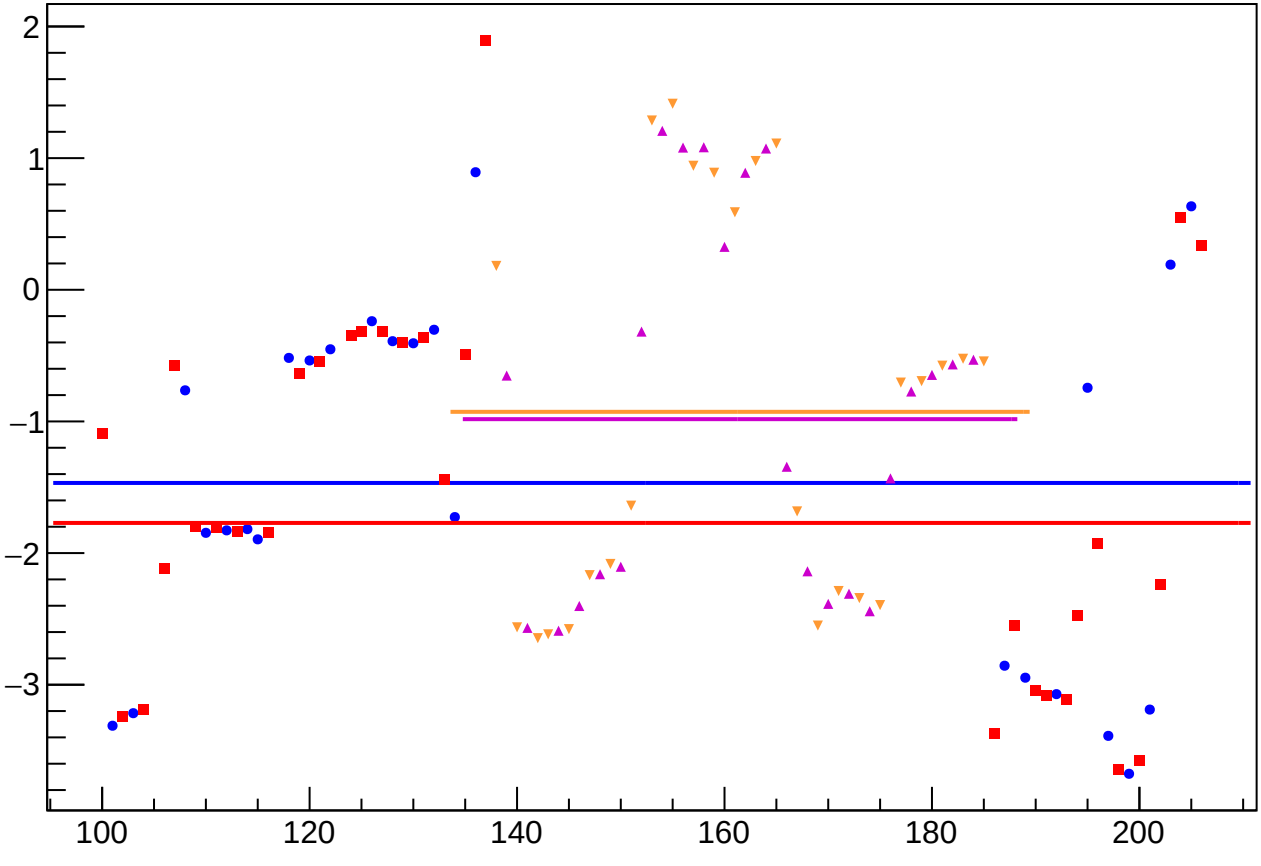
Right: 0.004+/-0.000 χ^2/NDF: 2003864.7/55

In: 0.003+/-0.000 χ^2/NDF:1614178.4/47

Out: 0.003+/-0.000 χ^2/NDF:2166302.3/55

All: 0.003+/-0.000 χ^2/NDF: 3780497.0/103

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.467+/-0.000 χ^2/NDF: 5867407148.8/24

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.771+/-0.000 χ^2/NDF: 5376845991.2/30

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

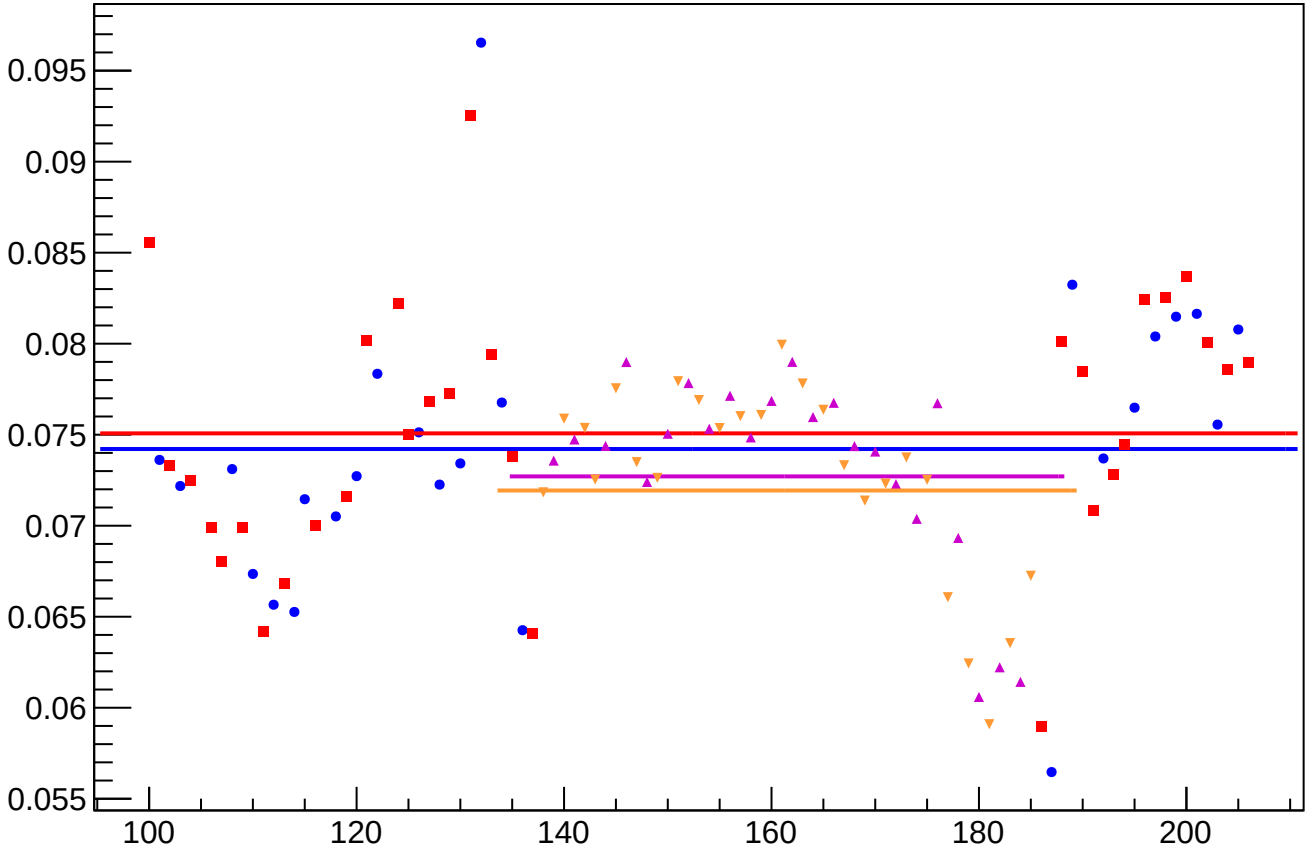
Right: -1.630+/-0.000 χ^2/NDF: 11366986472.8/55

In: -1.188+/-0.000 χ^2/NDF:12123194399.1/47

Out: -1.297+/-0.000 χ^2/NDF:13769450289.6/55

All: -1.245+/-0.000 χ^2/NDF: 25929229173.9/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 217614.8/24

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 243910.3/30

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

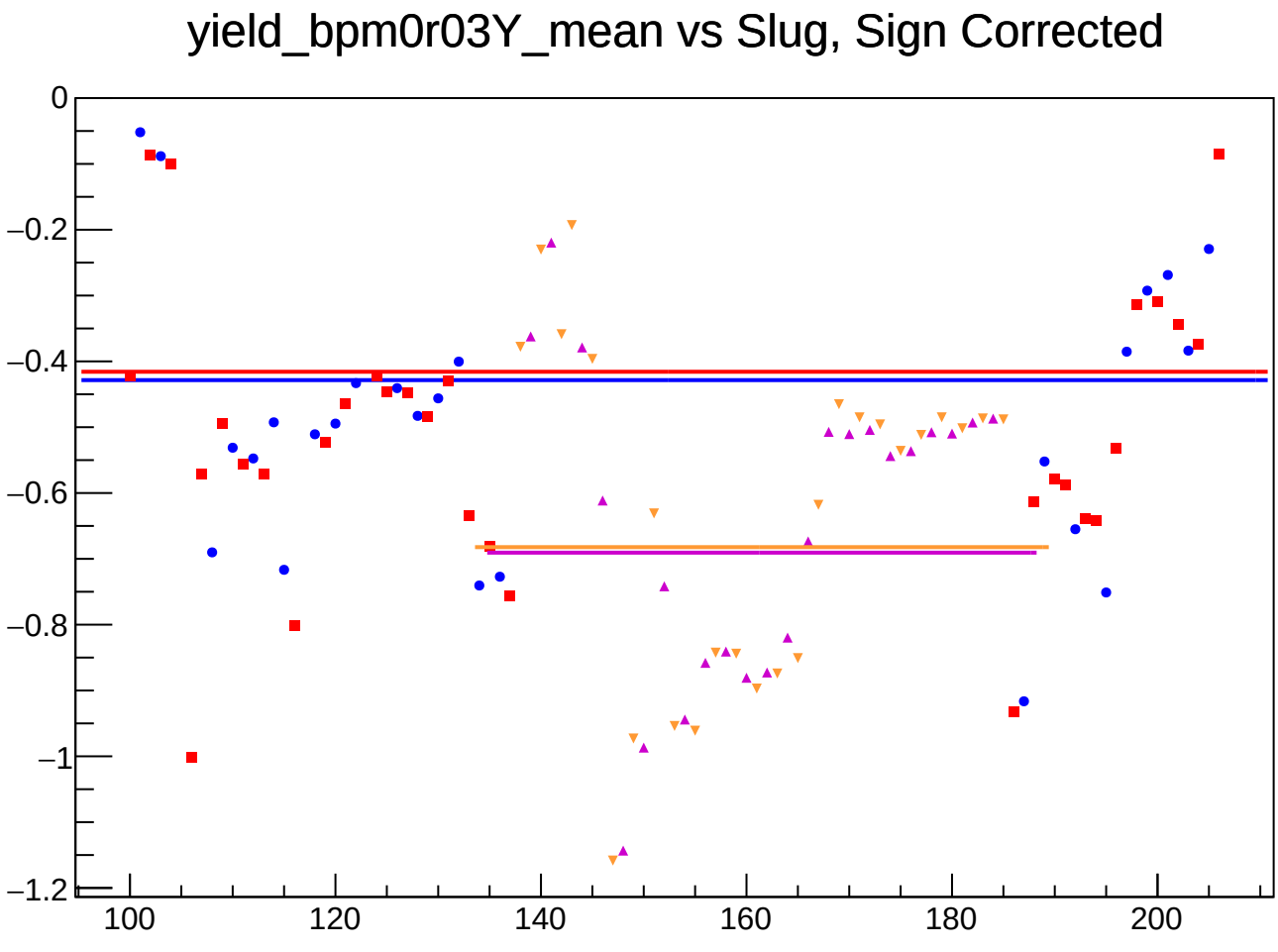
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 463491.2/55

In: 0.073+/-0.000 χ^2/NDF:421118.1/47

Out: 0.073+/-0.000 χ^2/NDF:511086.4/55

All: 0.073+/-0.000 χ^2/NDF: 932212.9/103



Right In: -0.428+/-0.000 χ^2/NDF: 8201843293.2/24

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.416+/-0.000 χ^2/NDF: 8965842411.4/30

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

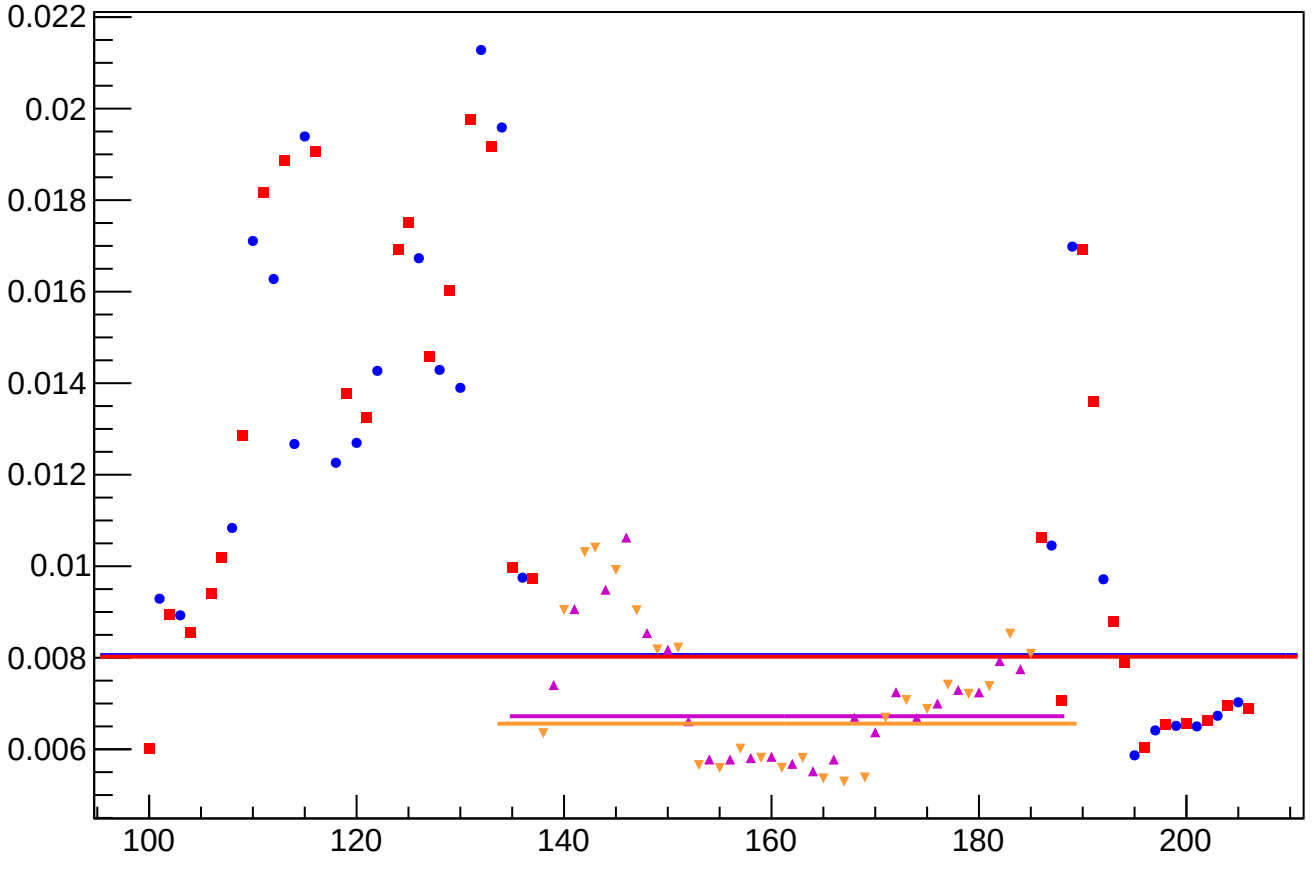
Right: -0.422+/-0.000 χ^2/NDF: 17183230563.7/55

In: -0.605+/-0.000 χ^2/NDF:33325866399.4/47

Out: -0.592+/-0.000 χ^2/NDF:40594018795.5/55

All: -0.598+/-0.000 χ^2/NDF: 73970919212.0/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2883132.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3116125.2/30

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

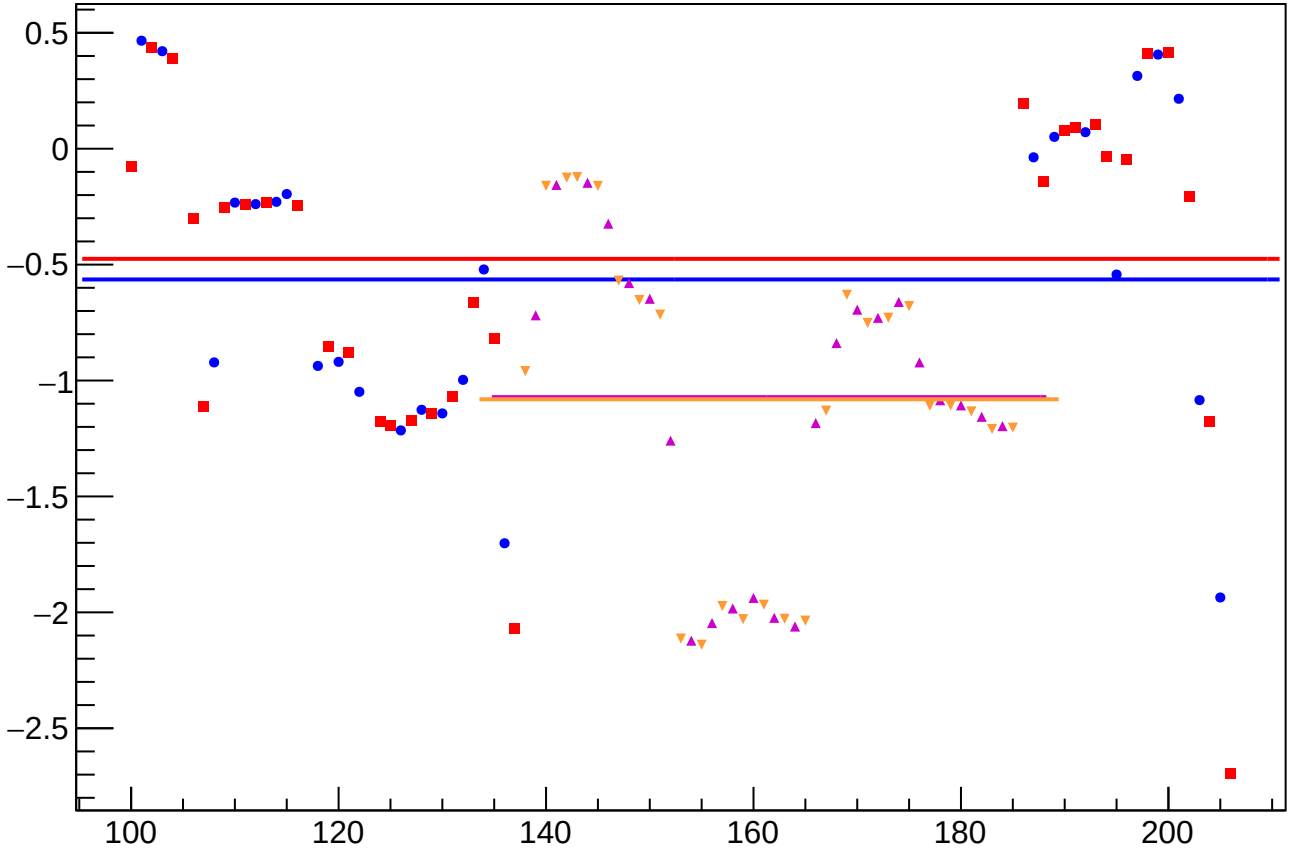
Right: 0.008+/-0.000 χ^2/NDF: 5999505.2/55

In: 0.007+/-0.000 χ^2/NDF:4273392.6/47

Out: 0.007+/-0.000 χ^2/NDF:5111164.4/55

All: 0.007+/-0.000 χ^2/NDF: 9390544.5/103

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.564+/-0.000 χ^2/NDF: 925055173.8/24

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.475+/-0.000 χ^2/NDF: 1232528582.4/30

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

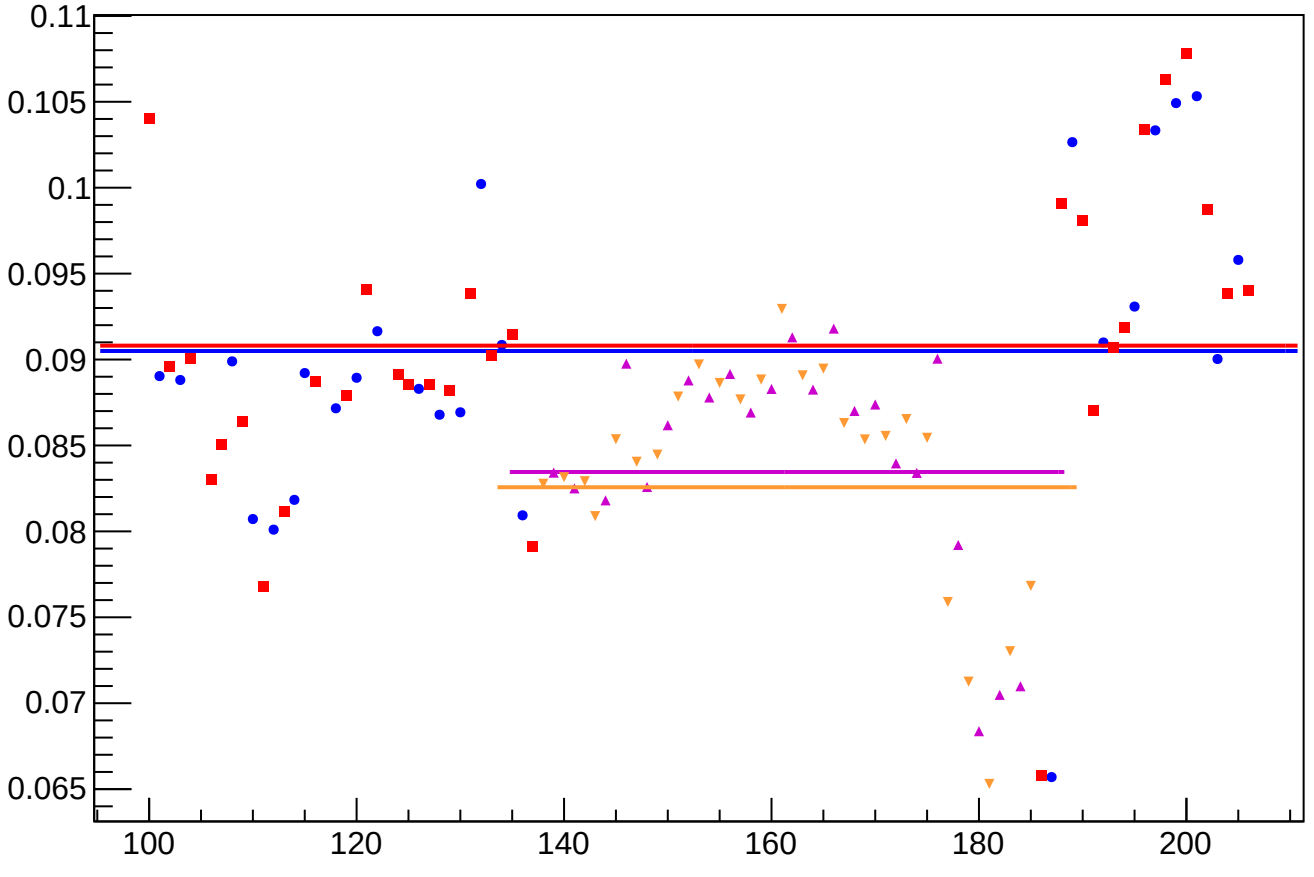
Right: -0.516+/-0.000 χ^2/NDF: 2164793629.2/55

In: -0.871+/-0.000 χ^2/NDF:2165019378.0/47

Out: -0.831+/-0.000 χ^2/NDF:2809485237.9/55

All: -0.850+/-0.000 χ^2/NDF: 4978161406.8/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 234769.8/24

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 327542.9/30

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

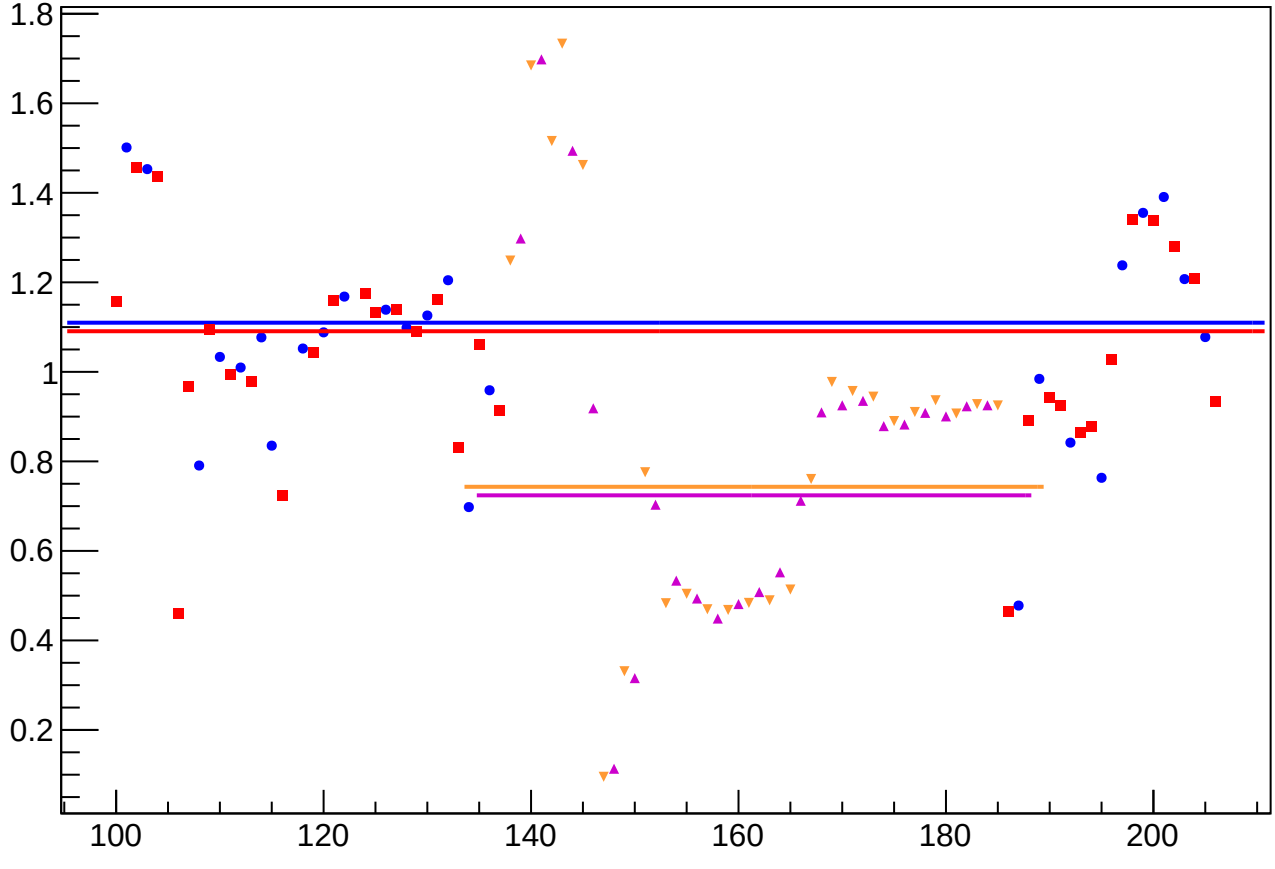
Right: 0.091+/-0.000 χ^2/NDF: 562488.8/55

In: 0.086+/-0.000 χ^2/NDF:574925.2/47

Out: 0.086+/-0.000 χ^2/NDF:775790.7/55

All: 0.086+/-0.000 χ^2/NDF: 1351041.3/103

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.110+/-0.000 χ^2/NDF: 5003332598.8/24

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.091+/-0.000 χ^2/NDF: 4960508288.2/30

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

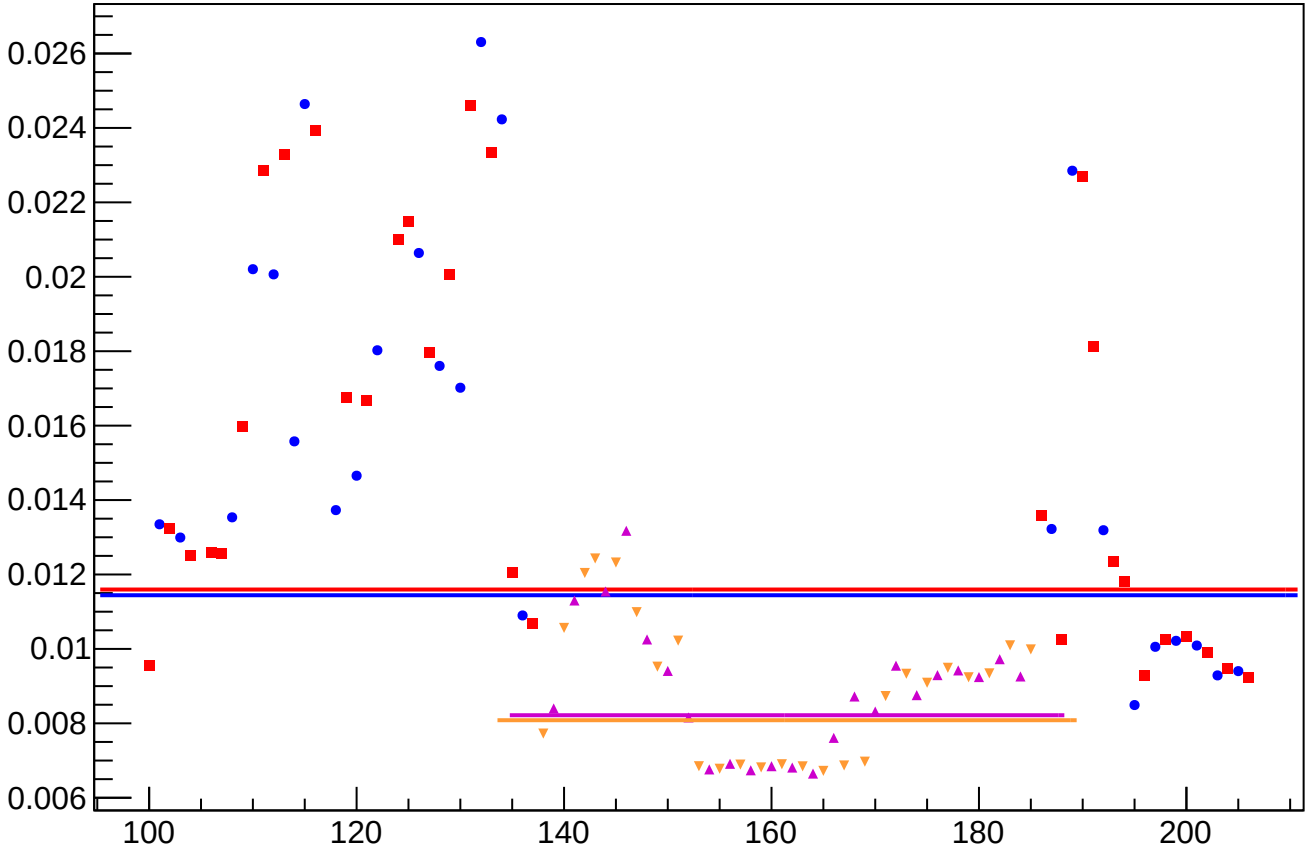
Right: 1.100+/-0.000 χ^2/NDF: 9981544967.0/55

In: 0.828+/-0.000 χ^2/NDF:40600064110.9/47

Out: 0.839+/-0.000 χ^2/NDF:46590046927.7/55

All: 0.834+/-0.000 χ^2/NDF: 87211493361.0/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1996805.8/24

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2222365.1/30

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

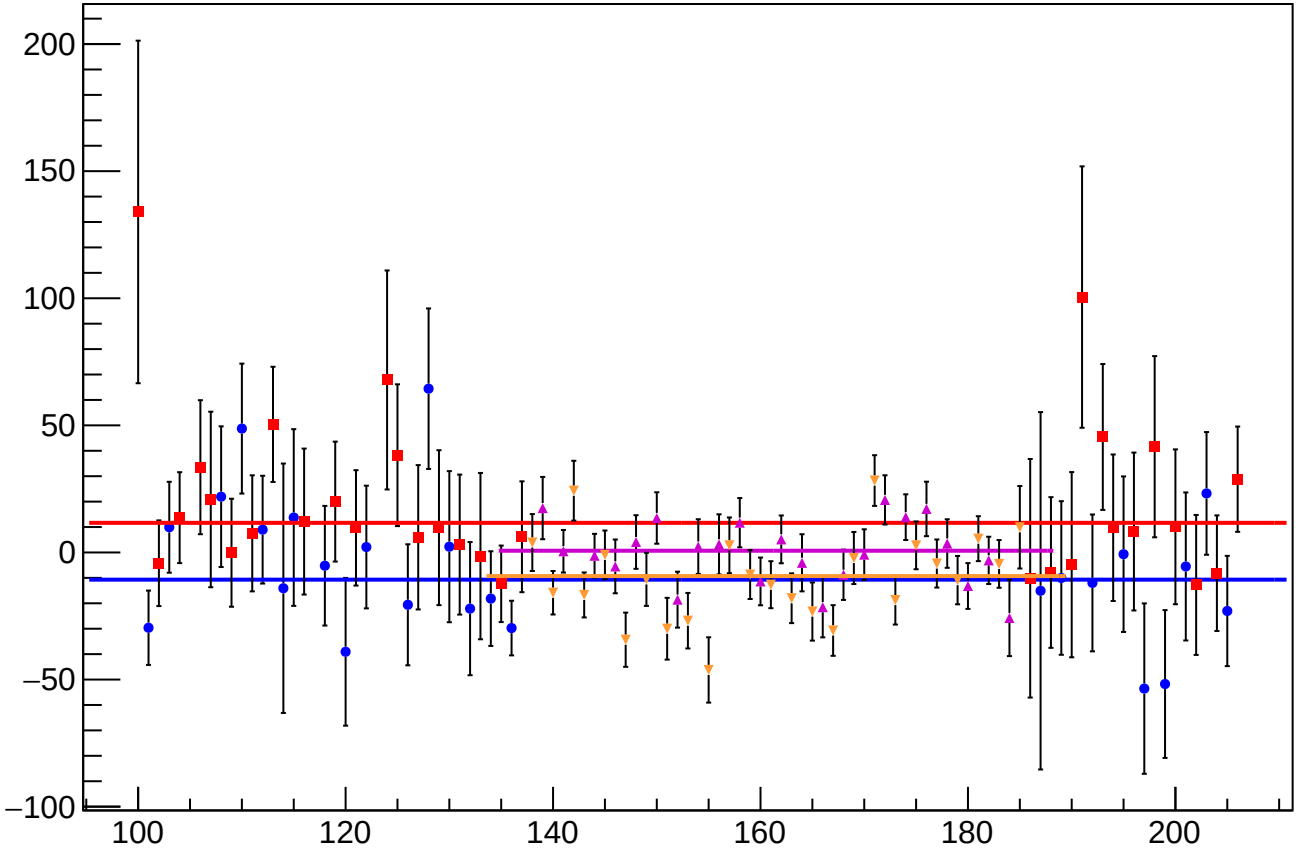
Right: 0.012+/-0.000 χ^2/NDF: 4221466.7/55

In: 0.009+/-0.000 χ^2/NDF:4514187.7/47

Out: 0.009+/-0.000 χ^2/NDF:5476912.5/55

All: 0.009+/-0.000 χ^2/NDF: 9991522.2/103

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -10.697+/-4.634 χ^2/NDF: 28.0/24

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.650+/-4.626 χ^2/NDF: 22.1/30

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

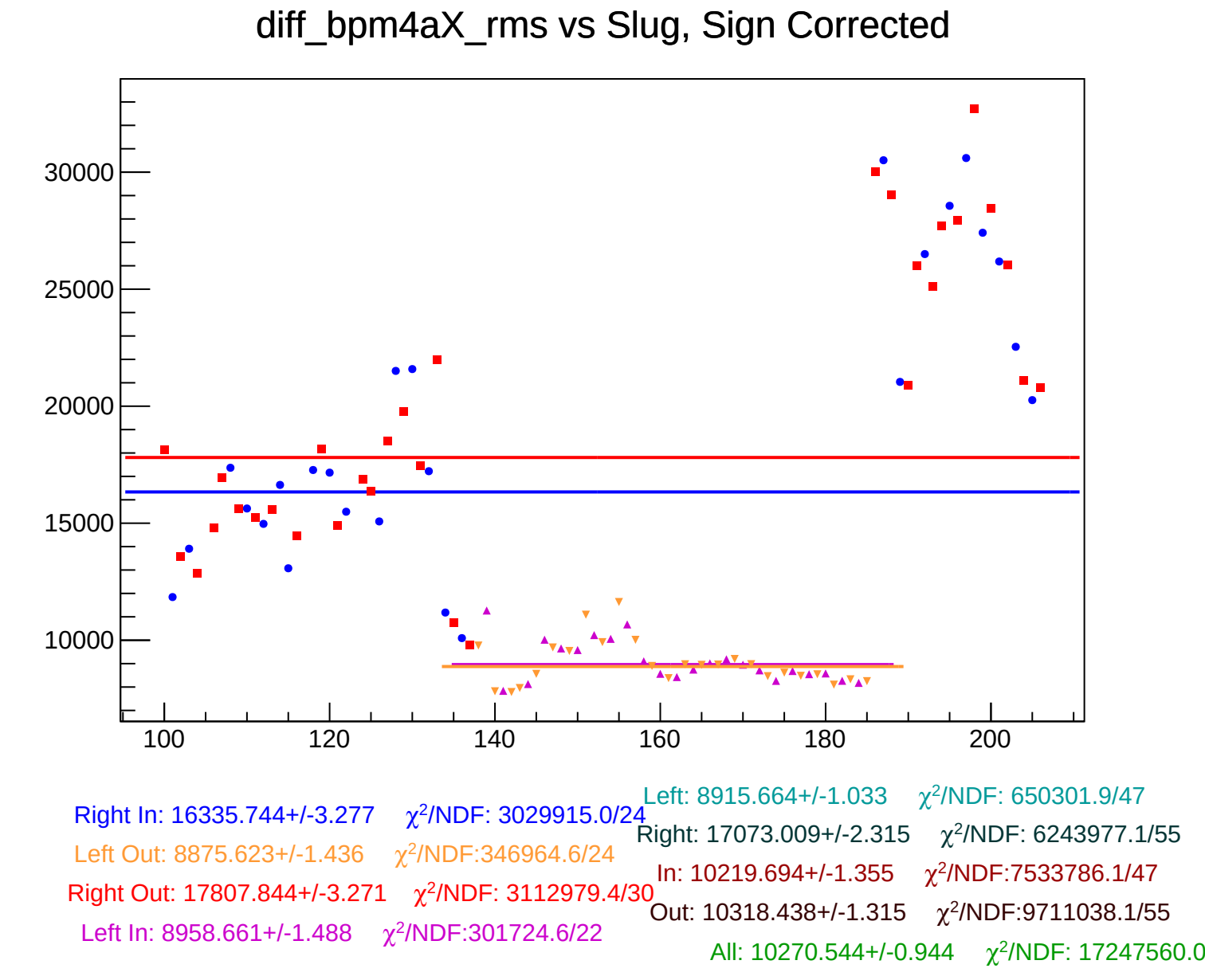
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.495+/-3.274 χ^2/NDF: 61.7/55

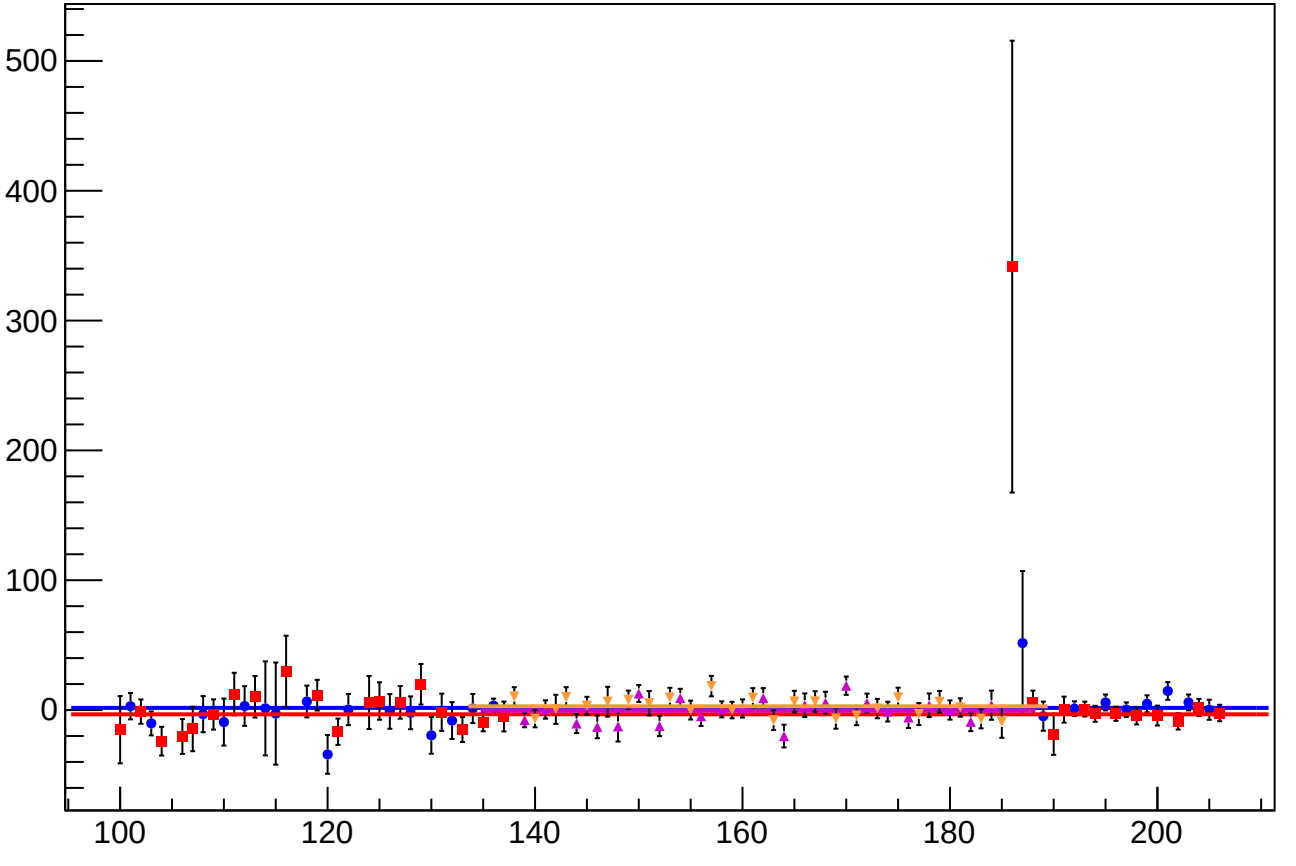
In: -1.268+/-1.916 χ^2/NDF:62.5/47

Out: -5.909+/-1.859 χ^2/NDF:100.4/55

All: -3.658+/-1.334 χ^2/NDF: 165.9/103


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16335.744+/-3.277 χ²/NDF: 3029915.0/24
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 17807.844+/-3.271 χ²/NDF: 3112979.4/30
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 17073.009+/-2.315 χ²/NDF: 6243977.1/55
In: 10219.694+/-1.355 χ²/NDF:7533786.1/47
Out: 10318.438+/-1.315 χ²/NDF:9711038.1/55
All: 10270.544+/-0.944 χ²/NDF: 17247560.0

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.645+/-1.814 χ^2/NDF: 17.1/24

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.299+/-1.684 χ^2/NDF: 25.7/30

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

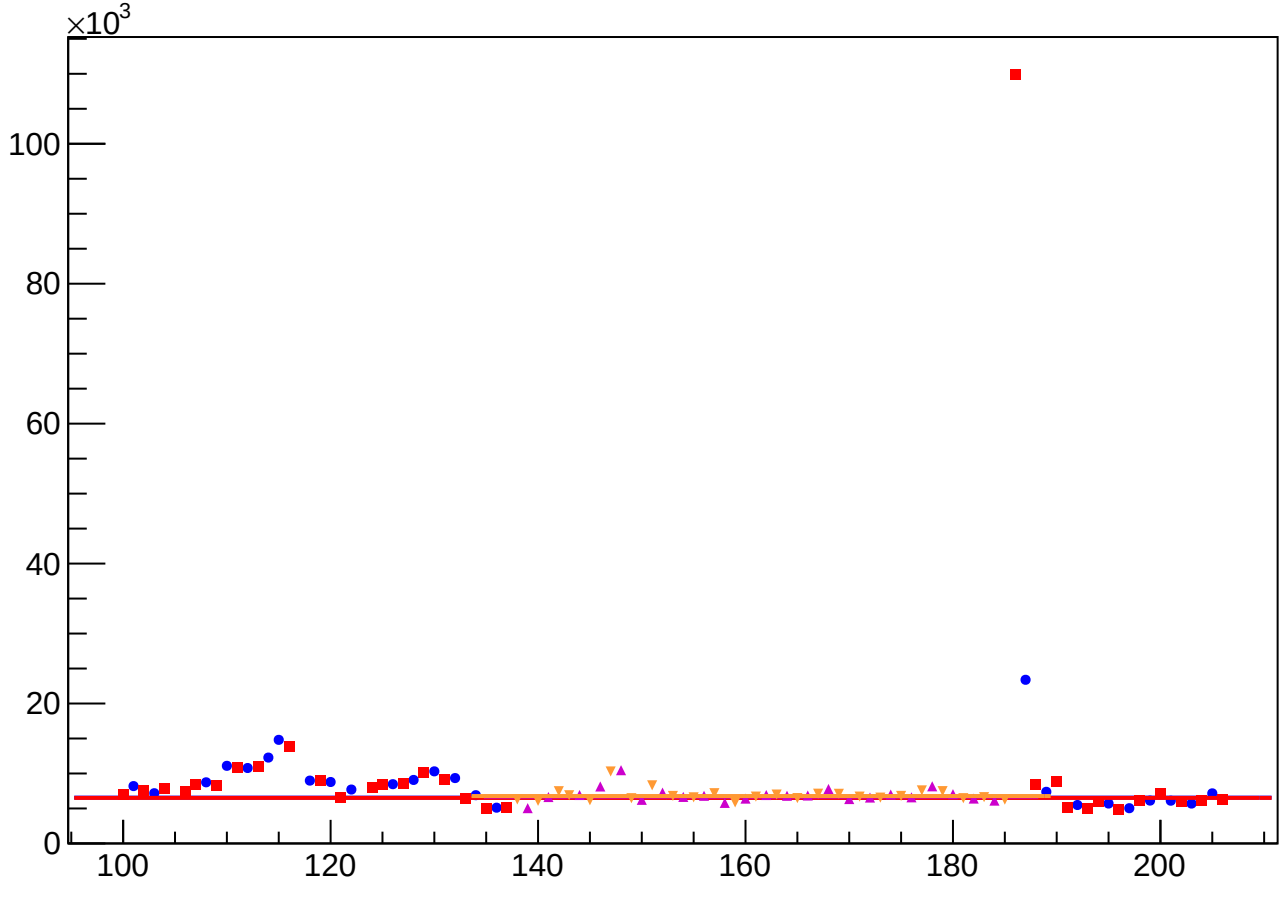
Right: -1.010+/-1.234 χ^2/NDF: 46.9/55

In: 0.452+/-1.192 χ^2/NDF:50.7/47

Out: 0.038+/-1.142 χ^2/NDF:52.5/55

All: 0.236+/-0.825 χ^2/NDF: 103.2/103

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6549.230+/-1.282 χ^2/NDF: 1669928.0/24

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6511.951+/-1.191 χ^2/NDF: 2334100.4/30

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

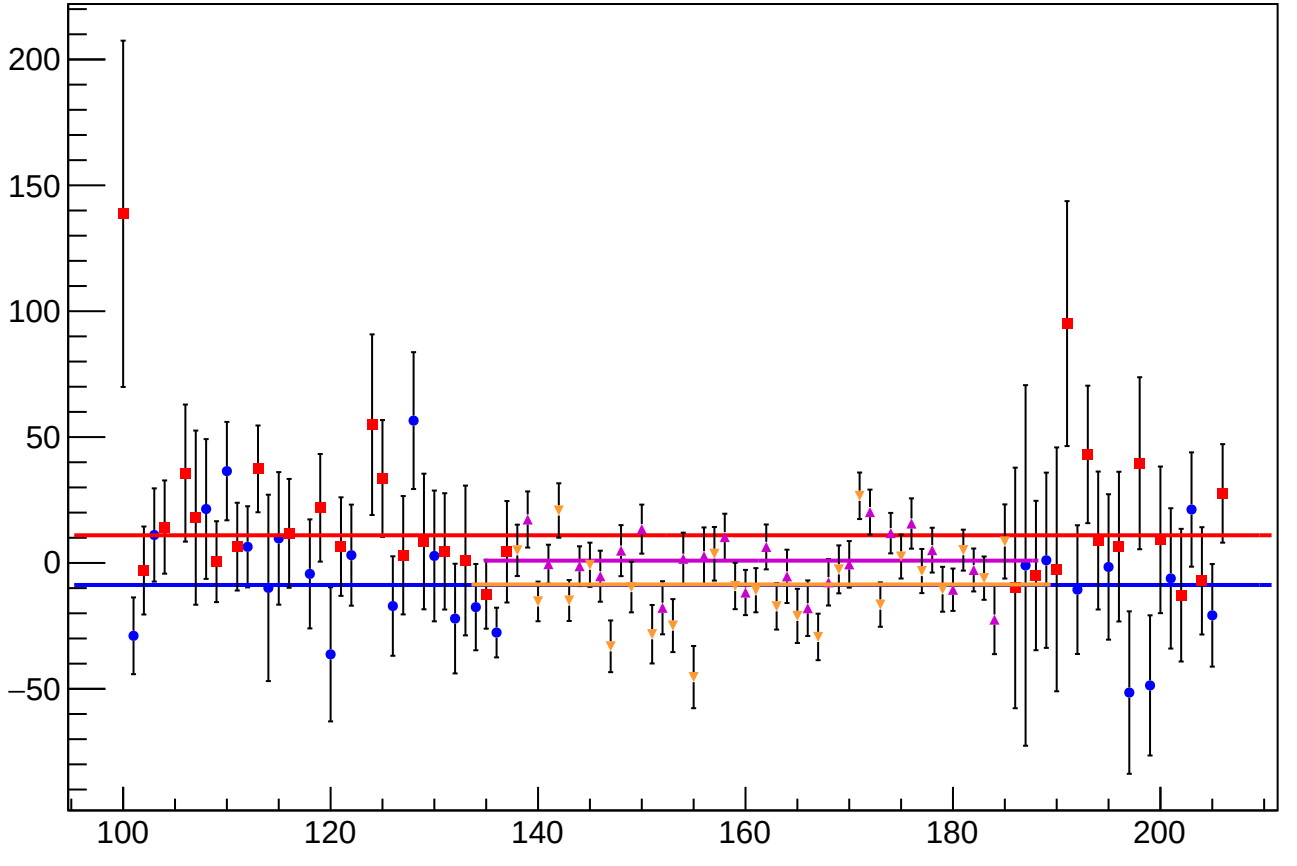
Right: 6529.208+/-0.873 χ^2/NDF: 4004482.3/55

In: 6628.941+/-0.843 χ^2/NDF:2297006.0/47

Out: 6654.958+/-0.807 χ^2/NDF:2760981.4/55

All: 6642.507+/-0.583 χ^2/NDF: 5058484.3/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -8.748+/-4.226 χ^2/NDF: 28.8/24

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.995+/-4.181 χ^2/NDF: 21.9/30

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

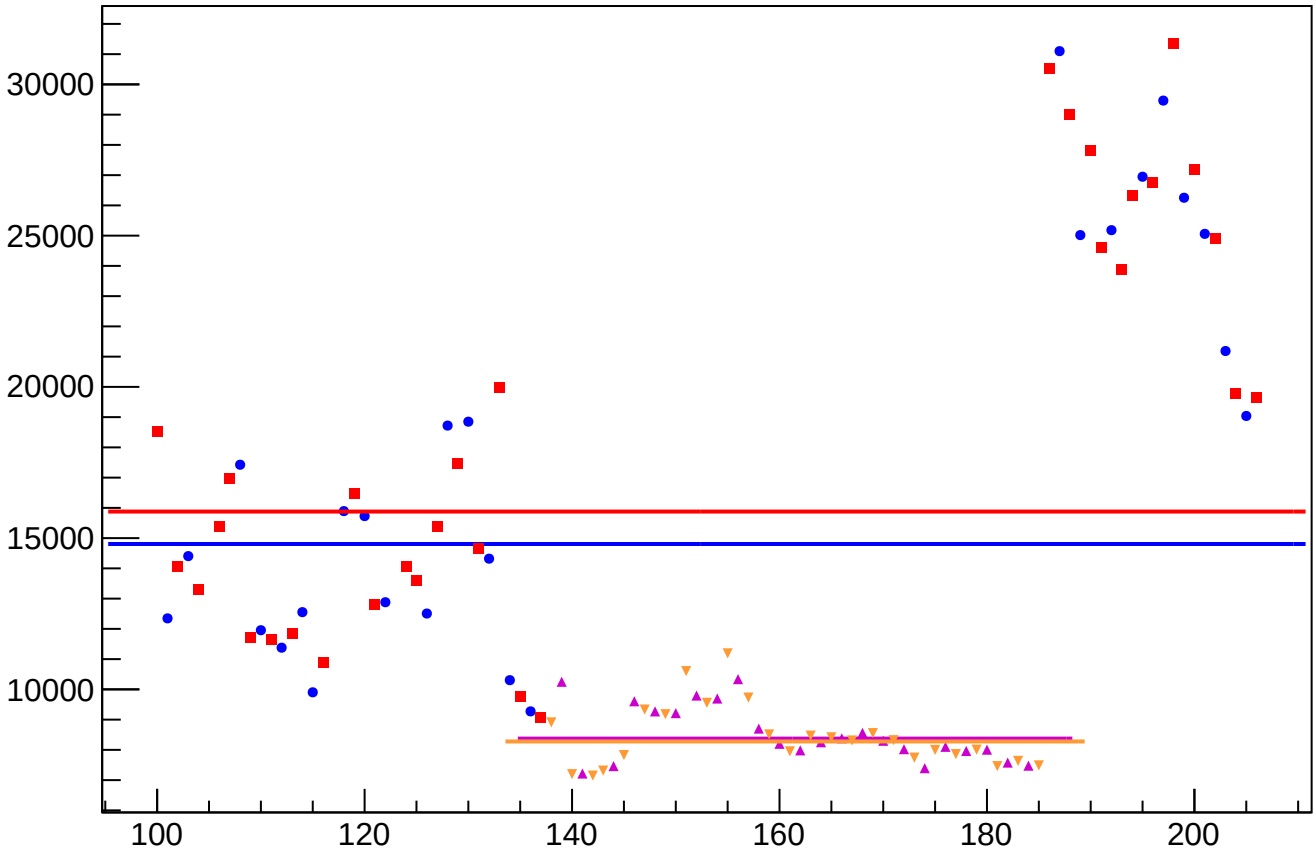
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.230+/-2.972 χ^2/NDF: 61.7/55

In: -0.805+/-1.785 χ^2/NDF:62.2/47

Out: -5.203+/-1.727 χ^2/NDF:101.9/55

All: -3.076+/-1.241 χ^2/NDF: 167.2/103



Right In: 14806.104+/-2.988 χ^2/NDF: 3415285.4/24

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15878.094+/-2.956 χ^2/NDF: 3873117.8/30

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

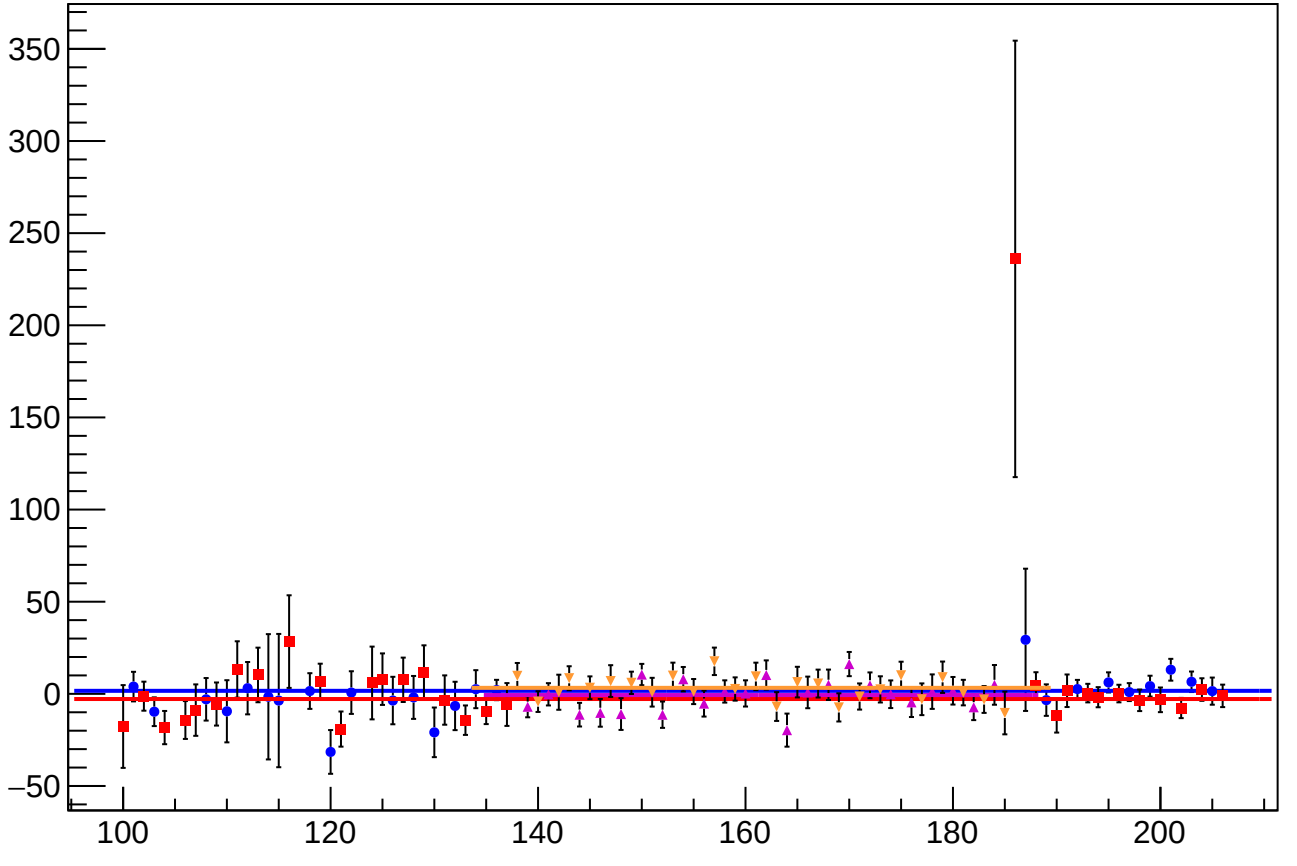
Right: 15347.880+/-2.102 χ^2/NDF: 7353439.1/55

In: 9519.770+/-1.262 χ^2/NDF:7616716.1/47

Out: 9574.986+/-1.221 χ^2/NDF:9809706.5/55

All: 9548.281+/-0.878 χ^2/NDF: 17427411.1/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.638+/-1.616 χ^2/NDF: 20.4/24

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.807+/-1.487 χ^2/NDF: 26.5/30

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

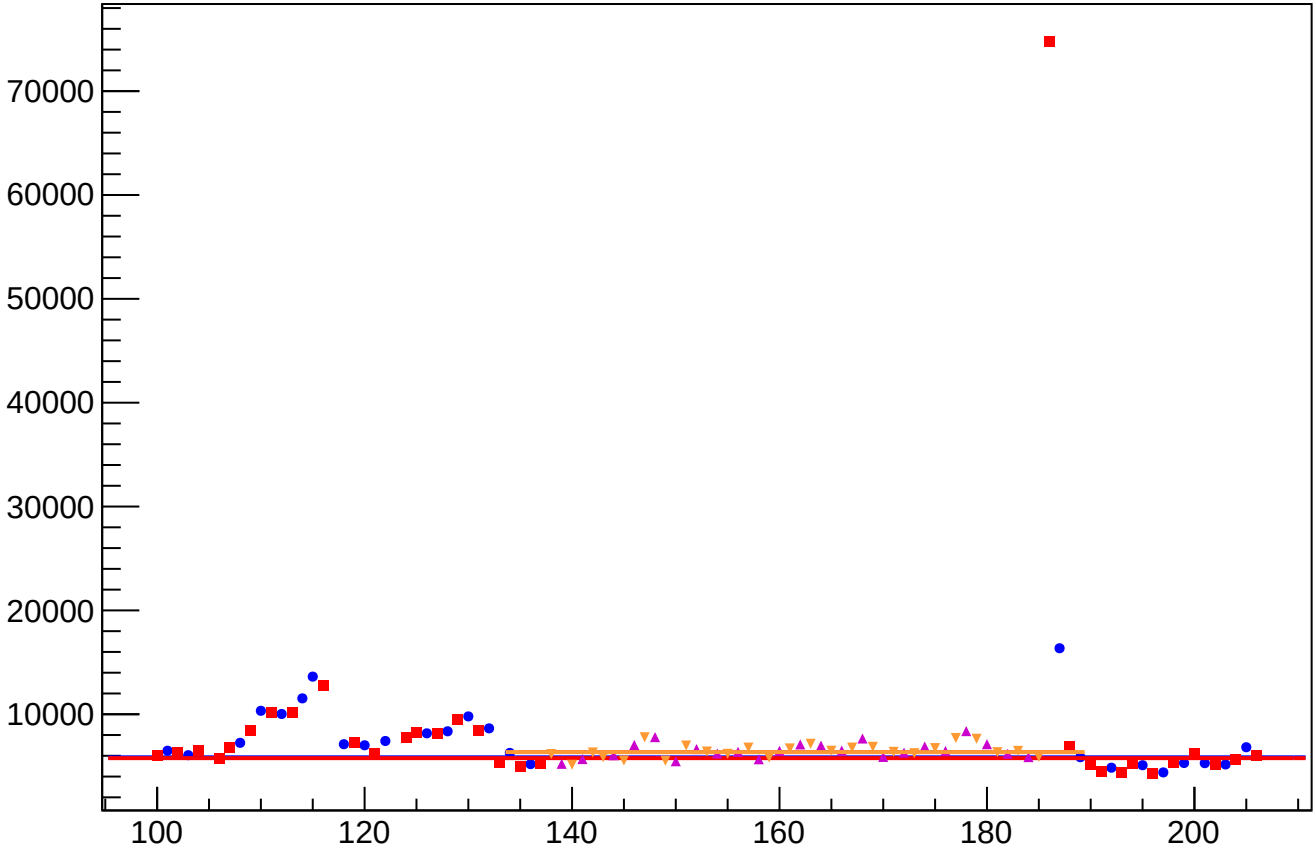
Right: -0.768+/-1.094 χ^2/NDF: 51.1/55

In: 0.411+/-1.099 χ^2/NDF:52.3/47

Out: 0.285+/-1.041 χ^2/NDF:52.6/55

All: 0.345+/-0.756 χ^2/NDF: 104.9/103

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5852.059+/-1.142 χ^2/NDF: 1592893.8/24

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5773.598+/-1.052 χ^2/NDF: 2297622.5/30

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

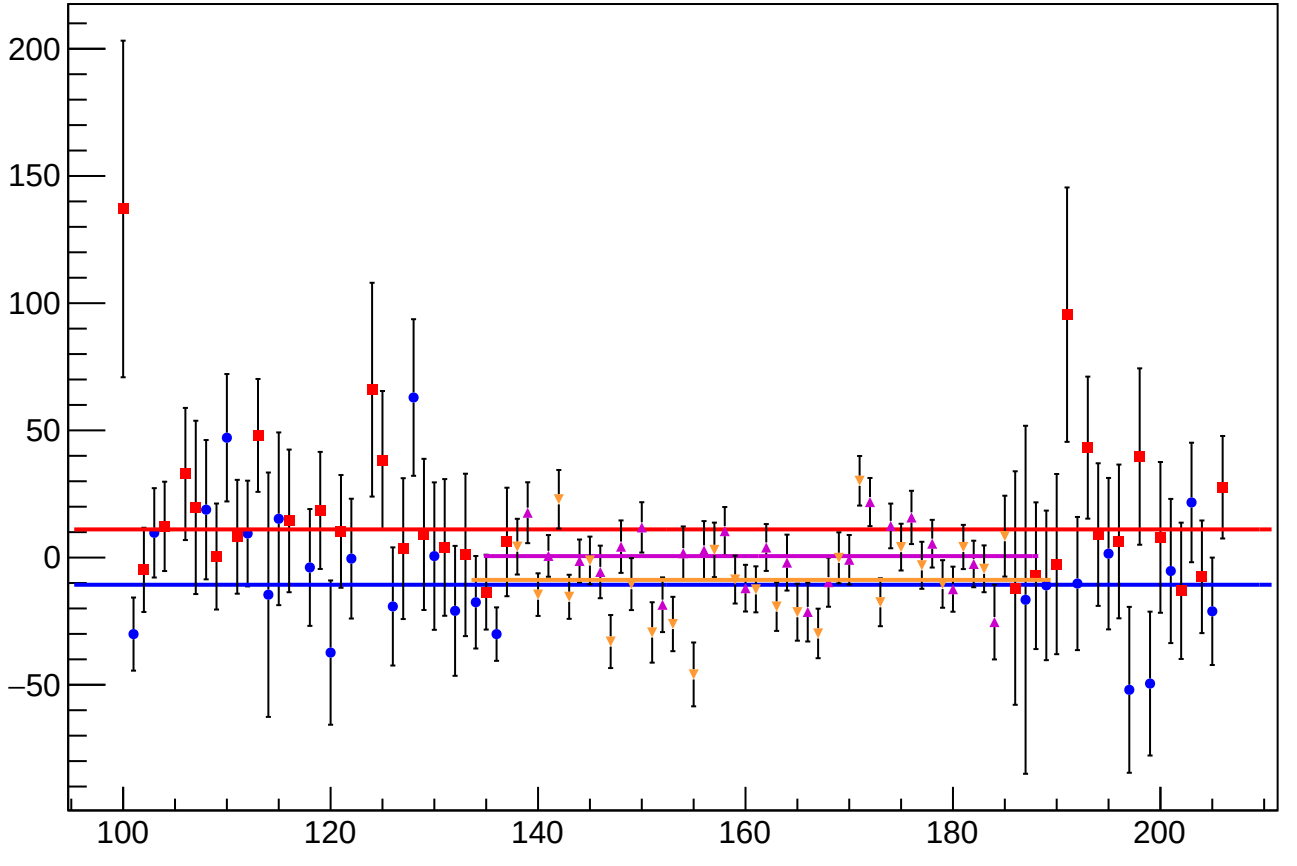
Right: 5809.582+/-0.774 χ^2/NDF: 3893069.8/55

In: 6124.941+/-0.777 χ^2/NDF:2172945.1/47

Out: 6071.531+/-0.736 χ^2/NDF:2869109.6/55

All: 6096.784+/-0.534 χ^2/NDF: 5044545.0/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -10.682+/-4.529 χ^2/NDF: 27.9/24

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.077+/-4.520 χ^2/NDF: 22.2/30

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

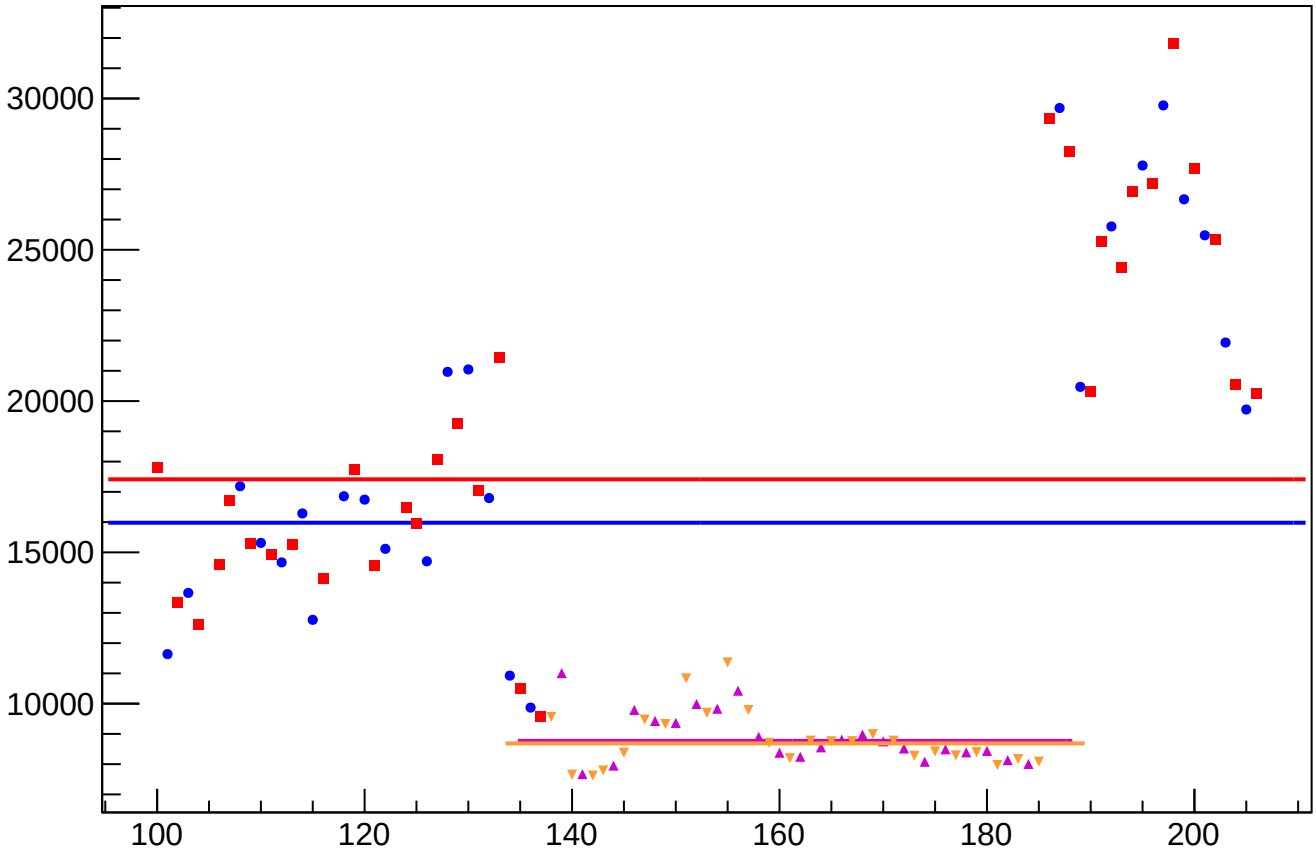
Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

Right: 0.219+/-3.200 χ^2/NDF: 61.7/55

In: -1.350+/-1.874 χ^2/NDF:62.6/47

Out: -5.553+/-1.819 χ^2/NDF:101.1/55

All: -3.515+/-1.305 χ^2/NDF: 166.3/103



Right In: 15979.292+/-3.203 χ^2/NDF: 2989916.2/24

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17414.322+/-3.196 χ^2/NDF: 3064452.4/30

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

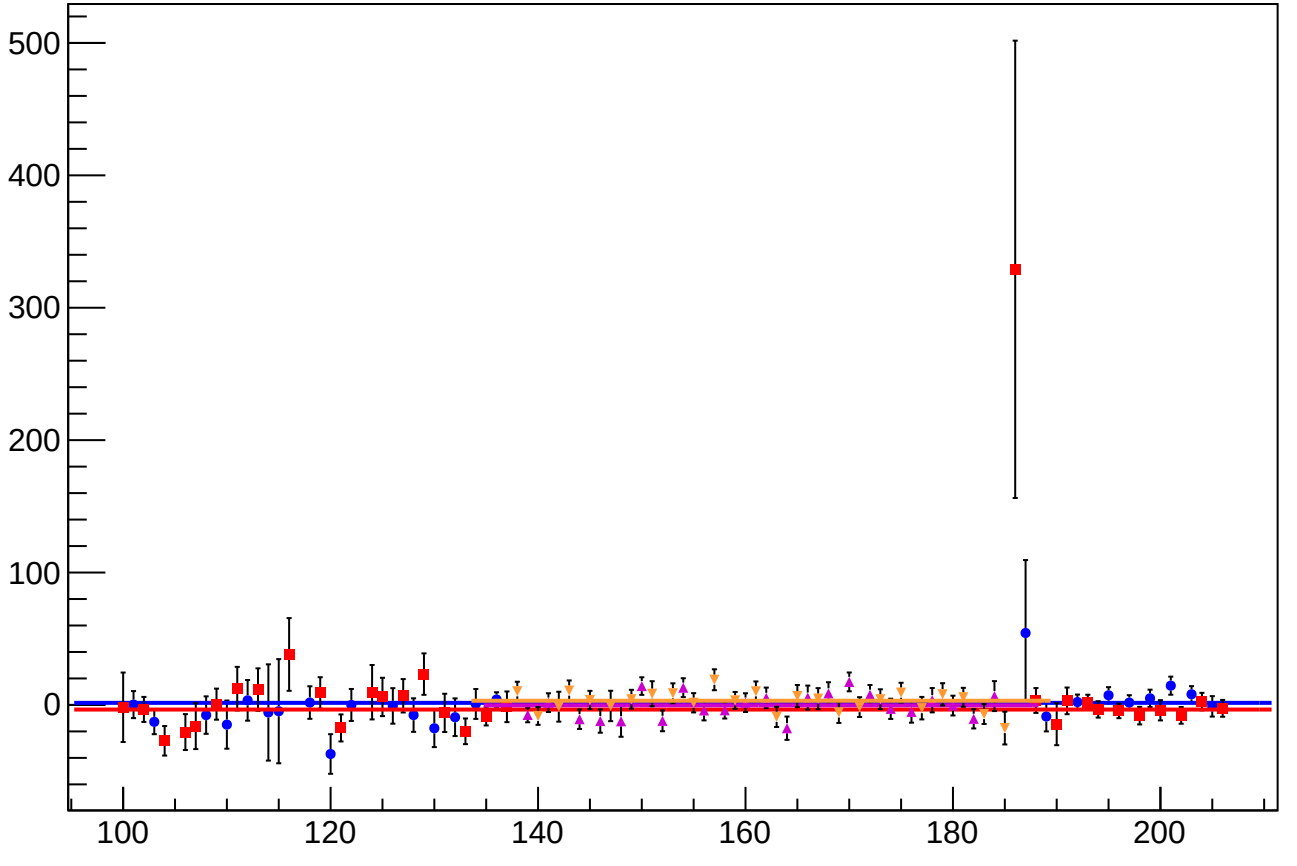
Right: 16698.193+/-2.262 χ^2/NDF: 6154951.2/55

In: 10002.965+/-1.325 χ^2/NDF:7487491.5/47

Out: 10099.362+/-1.286 χ^2/NDF:9654118.9/55

All: 10052.611+/-0.923 χ^2/NDF: 17144334.4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.575+/-1.820 χ^2/NDF: 21.4/24

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.490+/-1.690 χ^2/NDF: 29.5/30

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

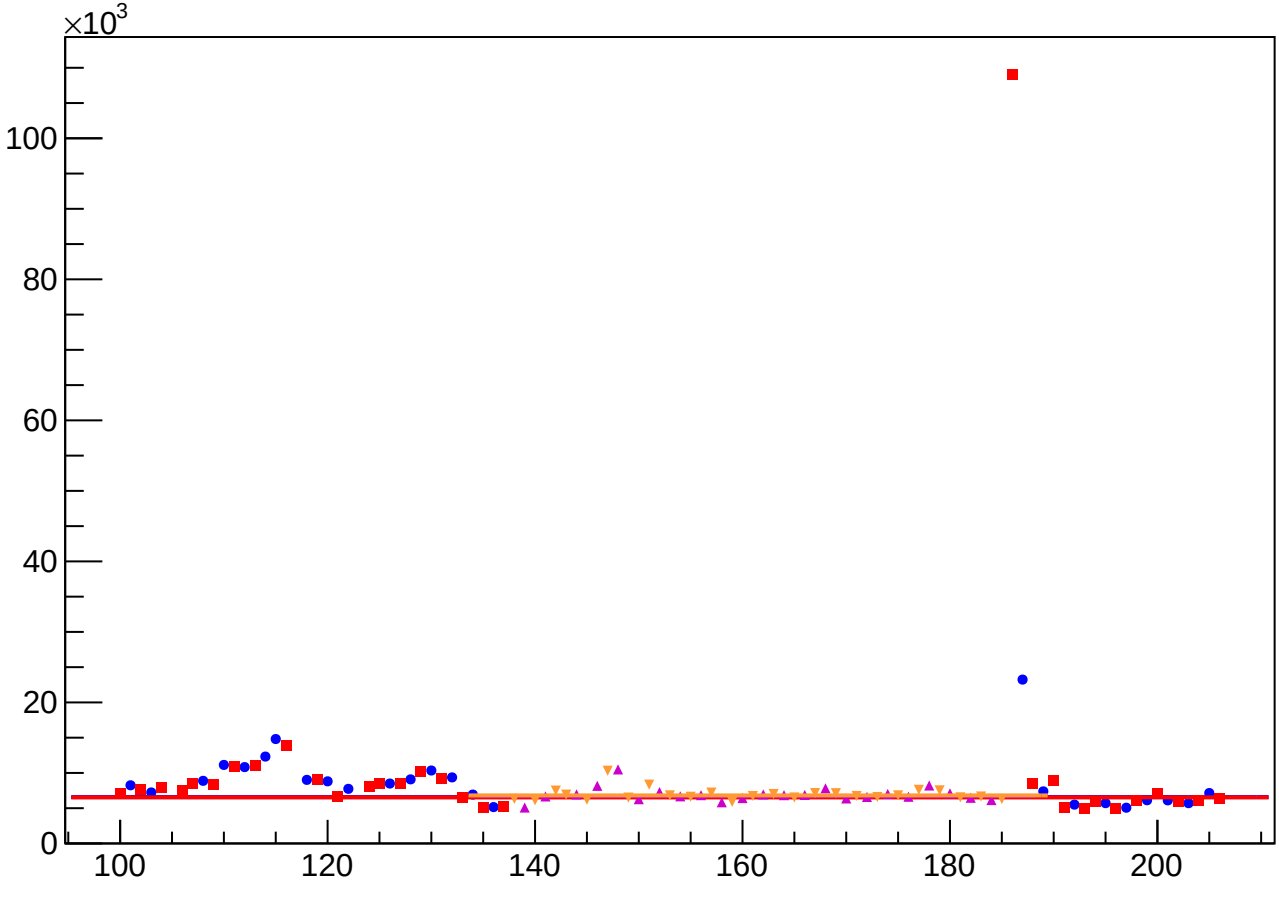
Right: -1.145+/-1.238 χ^2/NDF: 55.1/55

In: 0.530+/-1.197 χ^2/NDF:56.2/47

Out: 0.102+/-1.147 χ^2/NDF:59.6/55

All: 0.307+/-0.828 χ^2/NDF: 115.8/103

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6571.961+/-1.287 χ^2/NDF: 1667789.3/24

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6537.025+/-1.195 χ^2/NDF: 2329053.2/30

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

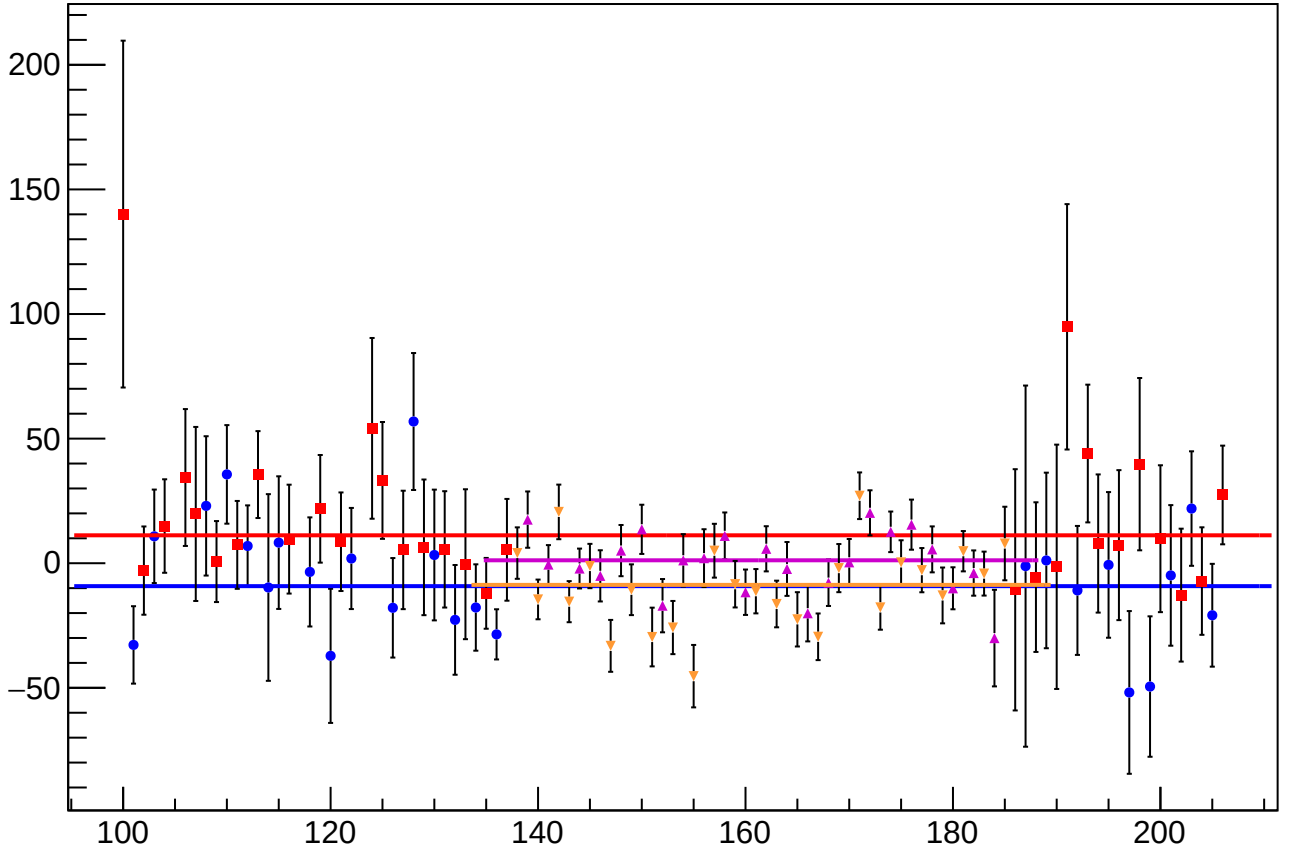
Right: 6553.203+/-0.876 χ^2/NDF: 3997238.4/55

In: 6660.354+/-0.847 χ^2/NDF:2286151.1/47

Out: 6685.835+/-0.811 χ^2/NDF:2752436.0/55

All: 6673.642+/-0.586 χ^2/NDF: 5039059.5/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -9.199+/-4.283 χ^2/NDF: 29.4/24

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.201+/-4.239 χ^2/NDF: 20.7/30

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

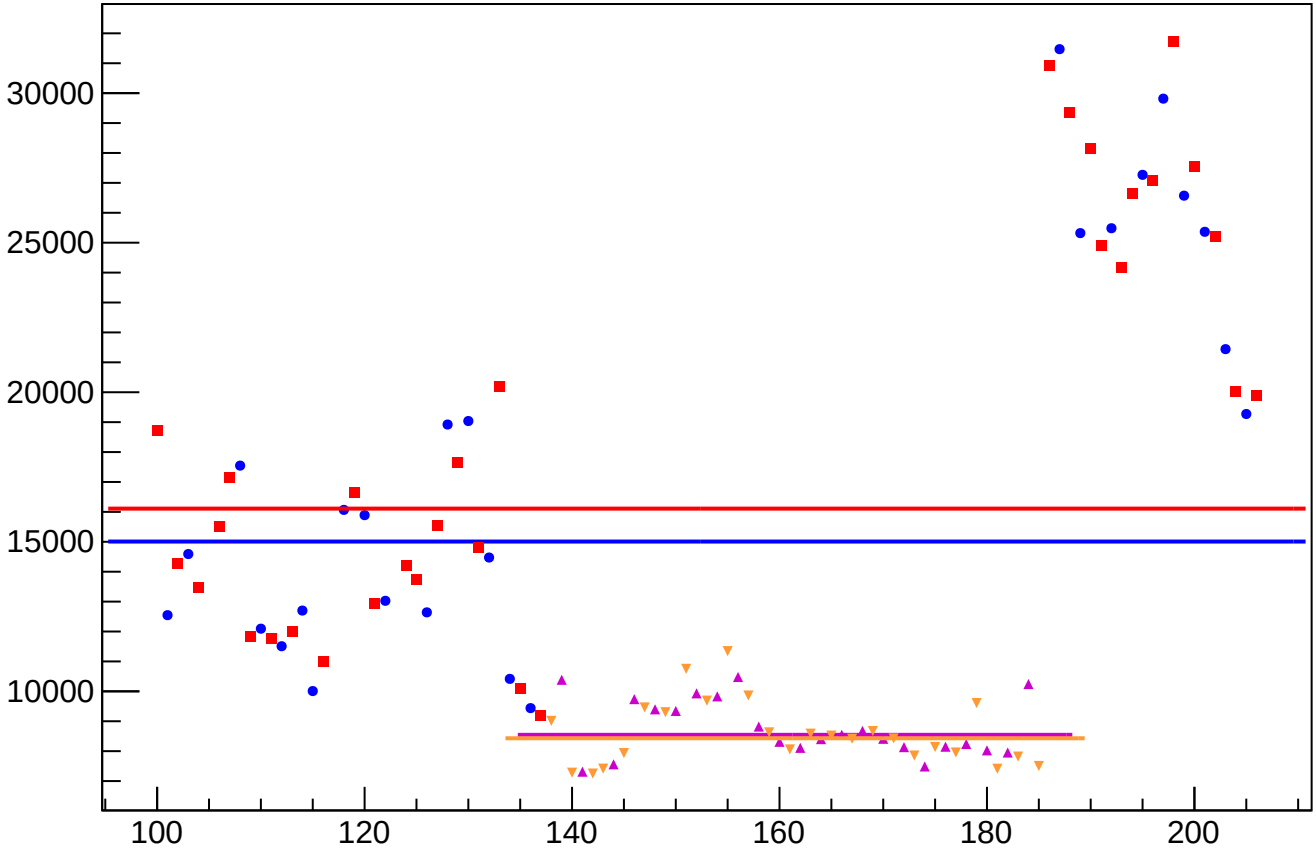
Right: 1.105+/-3.013 χ^2/NDF: 61.6/55

In: -0.702+/-1.821 χ^2/NDF:62.8/47

Out: -5.259+/-1.761 χ^2/NDF:100.4/55

All: -3.057+/-1.266 χ^2/NDF: 166.3/103

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15008.263+/-3.029 χ^2/NDF: 3391211.0/24

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16109.381+/-2.998 χ^2/NDF: 3830227.2/30

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

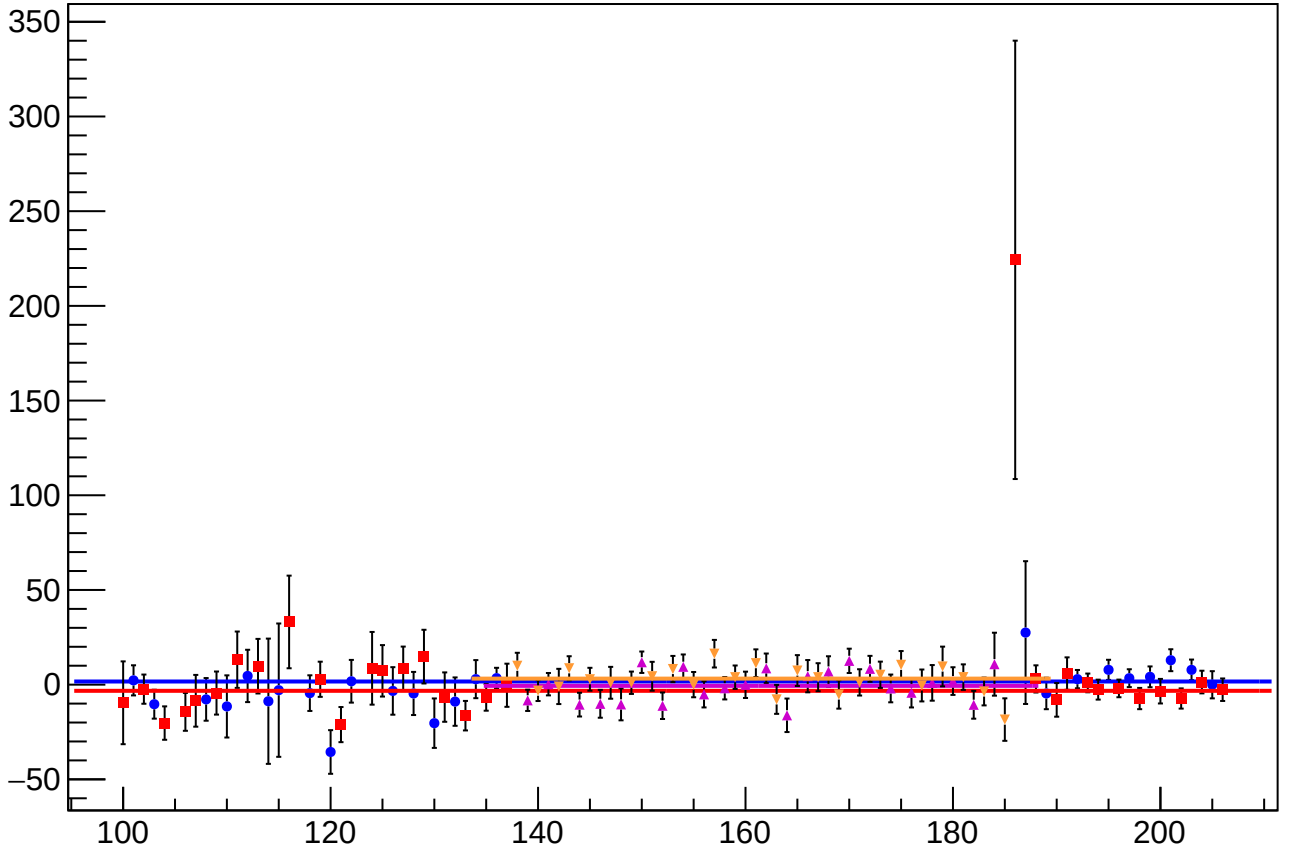
Right: 15564.442+/-2.131 χ^2/NDF: 7288209.0/55

In: 9714.250+/-1.288 χ^2/NDF:7511208.6/47

Out: 9755.848+/-1.245 χ^2/NDF:9743728.1/55

All: 9735.747+/-0.895 χ^2/NDF: 17255475.9/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.666+/-1.577 χ^2/NDF: 26.9/24

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.257+/-1.450 χ^2/NDF: 29.0/30

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

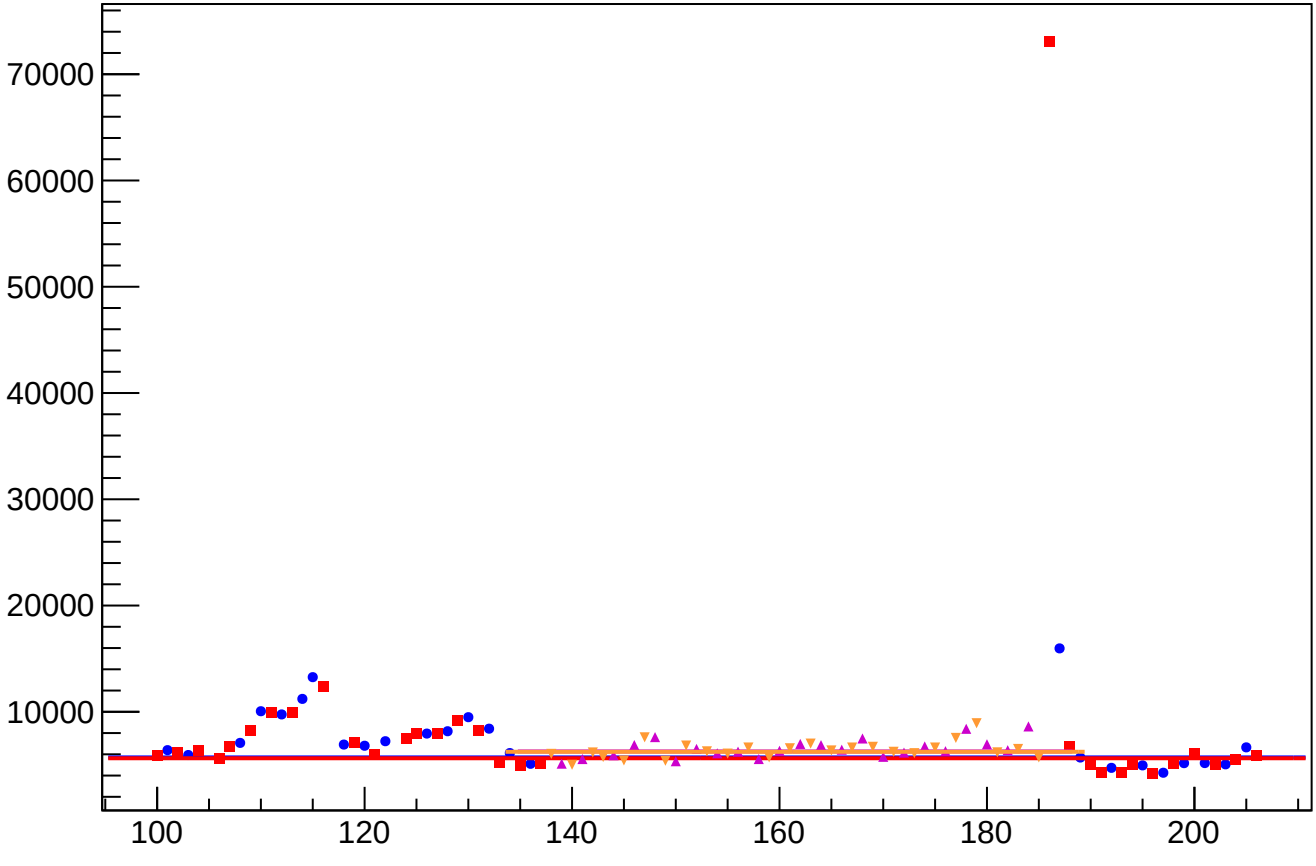
Right: -1.001+/-1.067 χ^2/NDF: 61.1/55

In: 0.445+/-1.080 χ^2/NDF:59.8/47

Out: -0.002+/-1.020 χ^2/NDF:57.6/55

All: 0.209+/-0.741 χ^2/NDF: 117.5/103

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5707.515+/-1.115 χ^2/NDF: 1593384.0/24

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5628.548+/-1.025 χ^2/NDF: 2279268.8/30

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

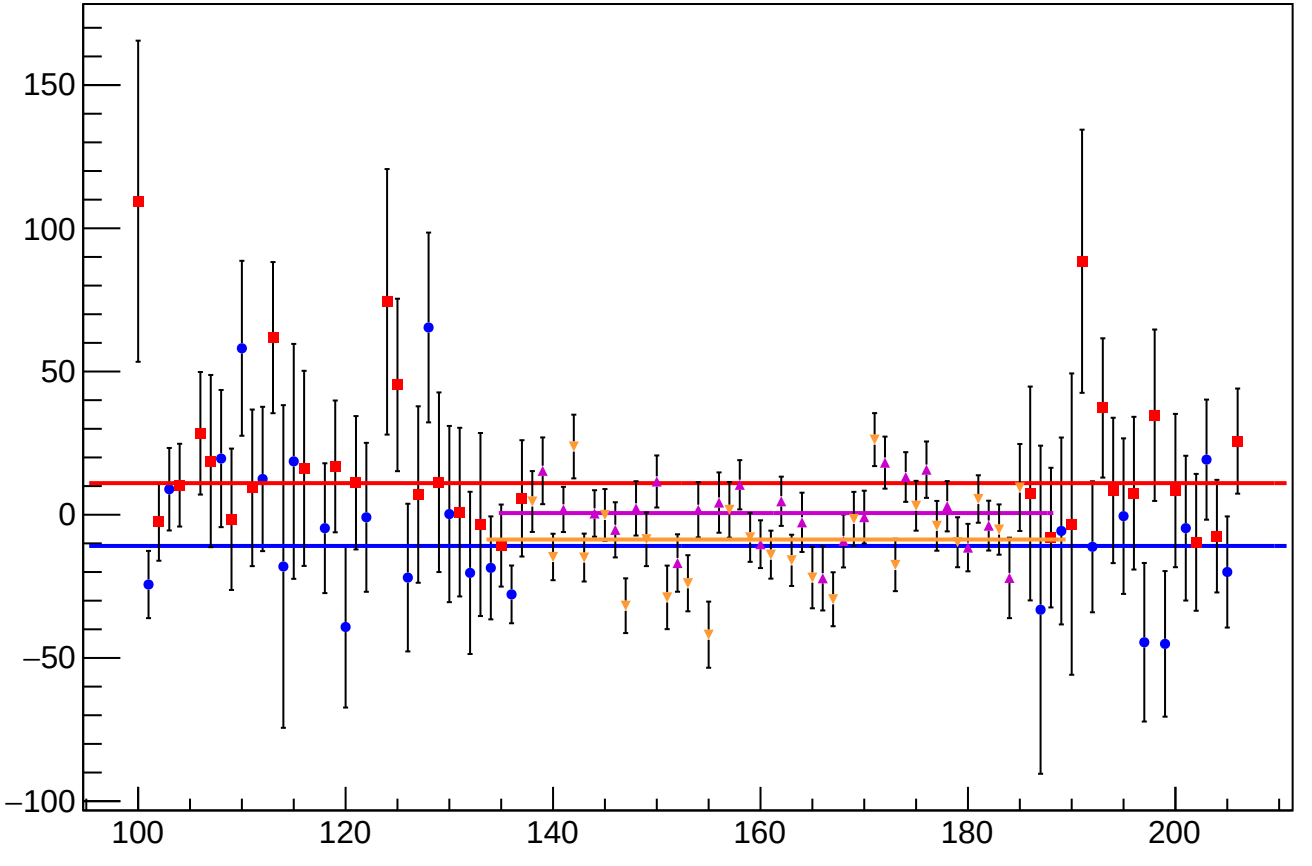
Right: 5664.737+/-0.755 χ^2/NDF: 3875371.1/55

In: 6005.249+/-0.763 χ^2/NDF:2252059.1/47

Out: 5936.459+/-0.721 χ^2/NDF:2965475.6/55

All: 5968.897+/-0.524 χ^2/NDF: 5221825.1/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.894+/-4.320 χ^2/NDF: 27.2/24

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 11.035+/-4.318 χ^2/NDF: 22.4/30

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

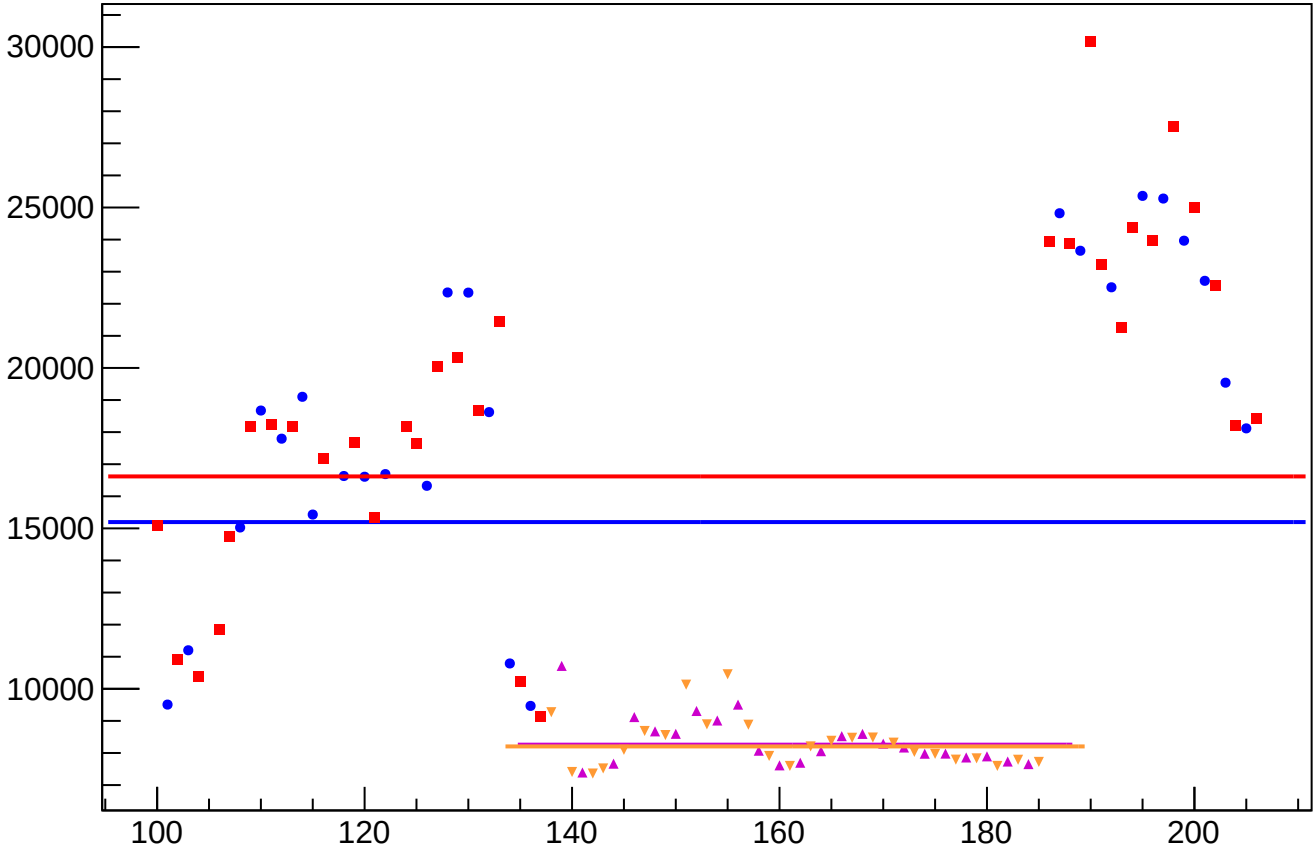
Right: 0.074+/-3.054 χ^2/NDF: 62.5/55

In: -1.341+/-1.769 χ^2/NDF:61.6/47

Out: -5.527+/-1.720 χ^2/NDF:102.9/55

All: -3.493+/-1.233 χ^2/NDF: 167.4/103

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 15196.460+/-3.055 χ^2/NDF: 3188343.0/24

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16619.239+/-3.053 χ^2/NDF: 3109183.1/30

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

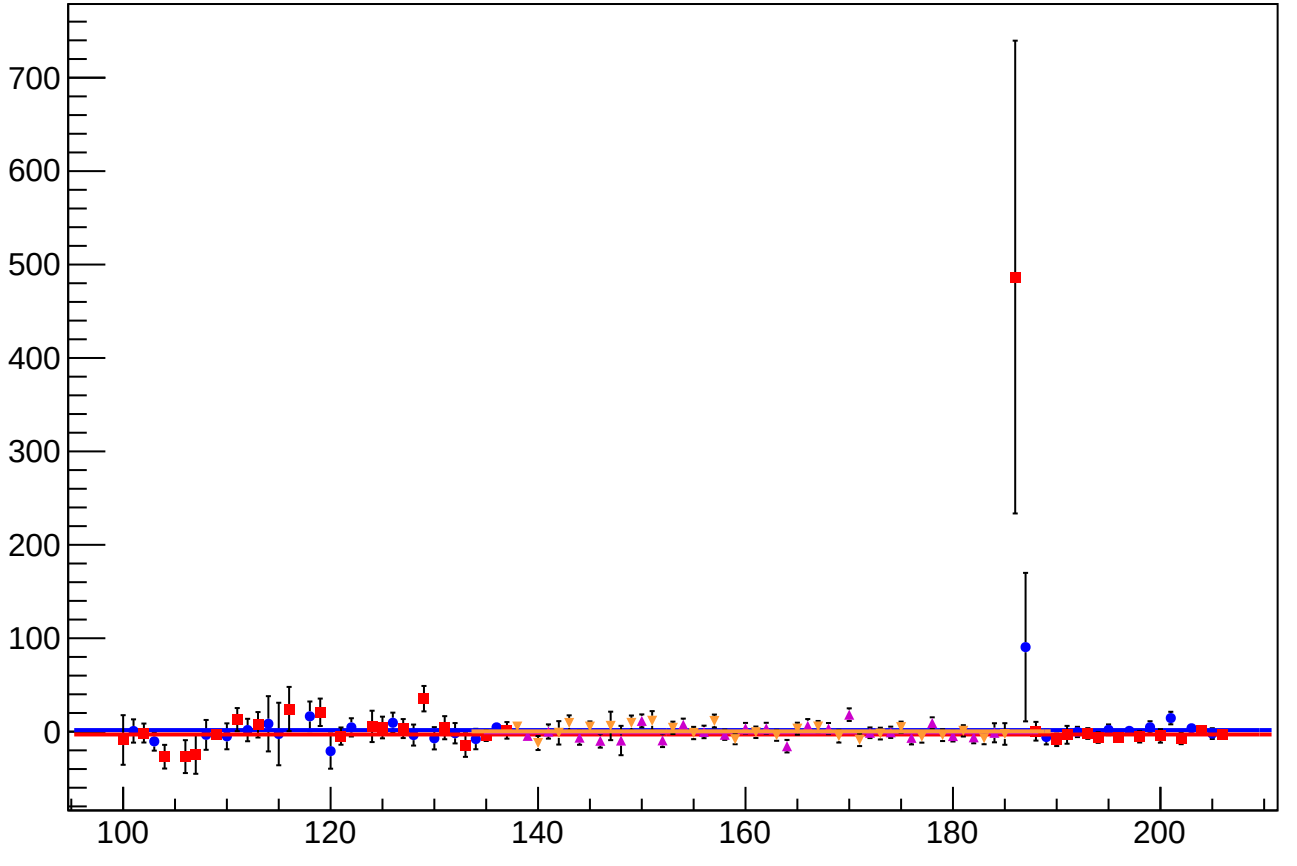
Right: 15908.104+/-2.160 χ^2/NDF: 6406044.2/55

In: 9422.312+/-1.251 χ^2/NDF:7738876.2/47

Out: 9539.393+/-1.216 χ^2/NDF:9771802.2/55

All: 9482.493+/-0.872 χ^2/NDF: 17515182.6/

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.704+/-1.626 χ^2/NDF: 13.7/24

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.995+/-1.442 χ^2/NDF: 29.8/30

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

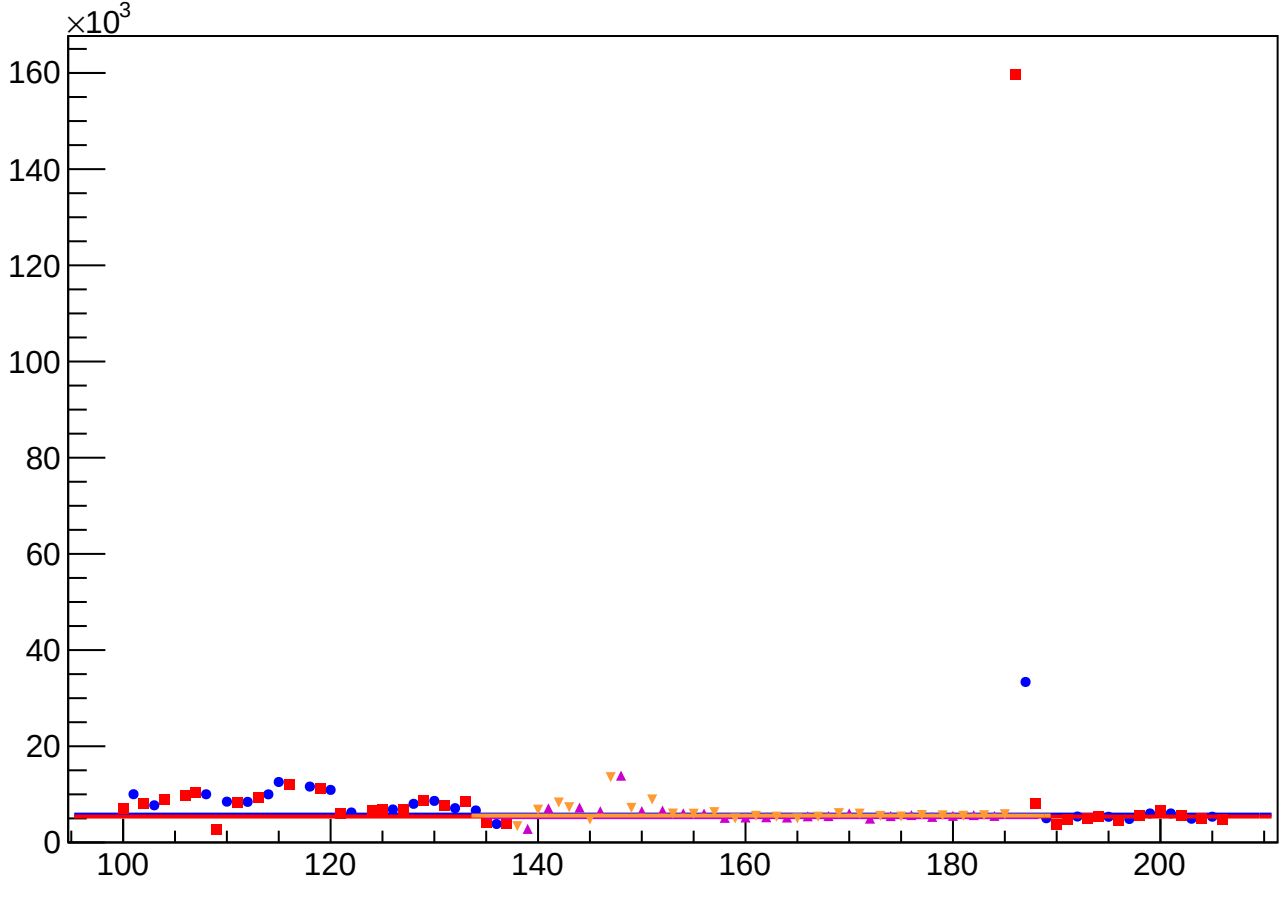
Right: -0.926+/-1.079 χ^2/NDF: 48.2/55

In: 0.224+/-1.011 χ^2/NDF:44.9/47

Out: -1.175+/-0.974 χ^2/NDF:54.3/55

All: -0.502+/-0.702 χ^2/NDF: 100.2/103

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5787.065+/-1.150 χ^2/NDF: 2286532.1/24

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.062+/-1.020 χ^2/NDF: 3782814.6/30

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

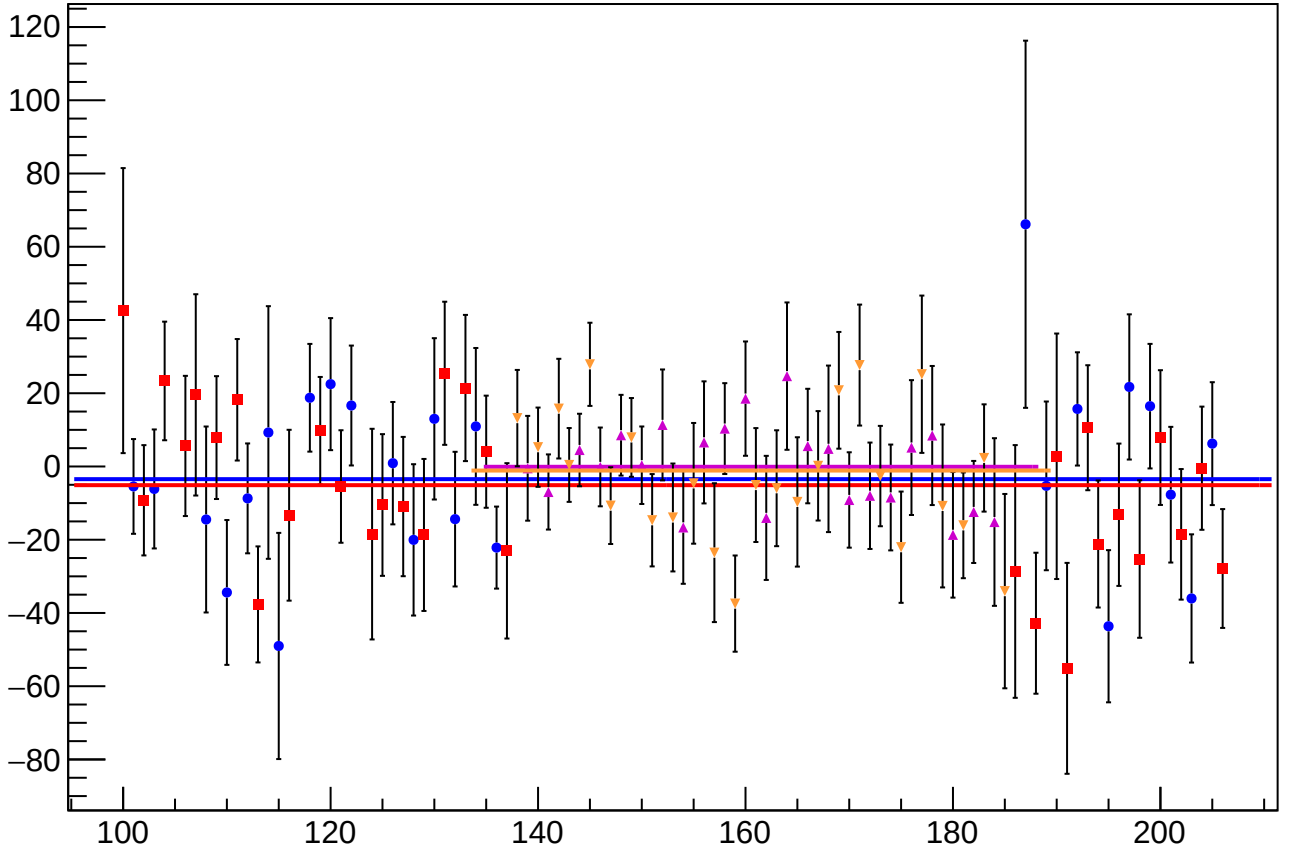
Right: 5562.077+/-0.763 χ^2/NDF: 6137744.3/55

In: 5465.475+/-0.715 χ^2/NDF:4839645.7/47

Out: 5498.924+/-0.689 χ^2/NDF:5589995.2/55

All: 5482.819+/-0.496 χ^2/NDF: 10430775.6/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -3.460+/-3.598 χ^2/NDF: 29.9/24

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -5.103+/-3.418 χ^2/NDF: 32.9/30

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

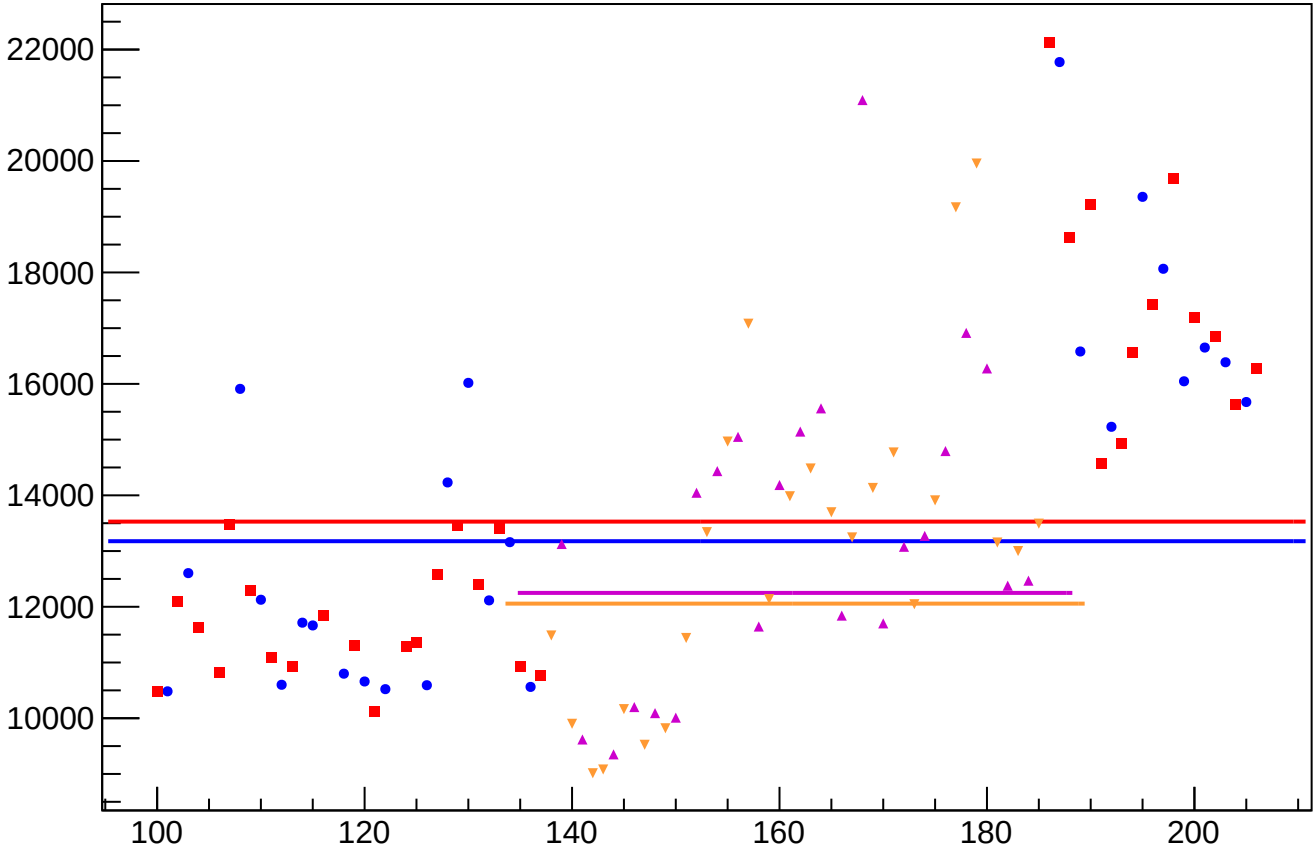
Right: -4.323+/-2.478 χ^2/NDF: 62.9/55

In: -1.428+/-2.270 χ^2/NDF:41.9/47

Out: -2.723+/-2.172 χ^2/NDF:67.5/55

All: -2.104+/-1.569 χ^2/NDF: 109.5/103

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13176.944+/-2.544 χ^2/NDF: 1206632.1/24

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13528.446+/-2.417 χ^2/NDF: 1376575.1/30

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

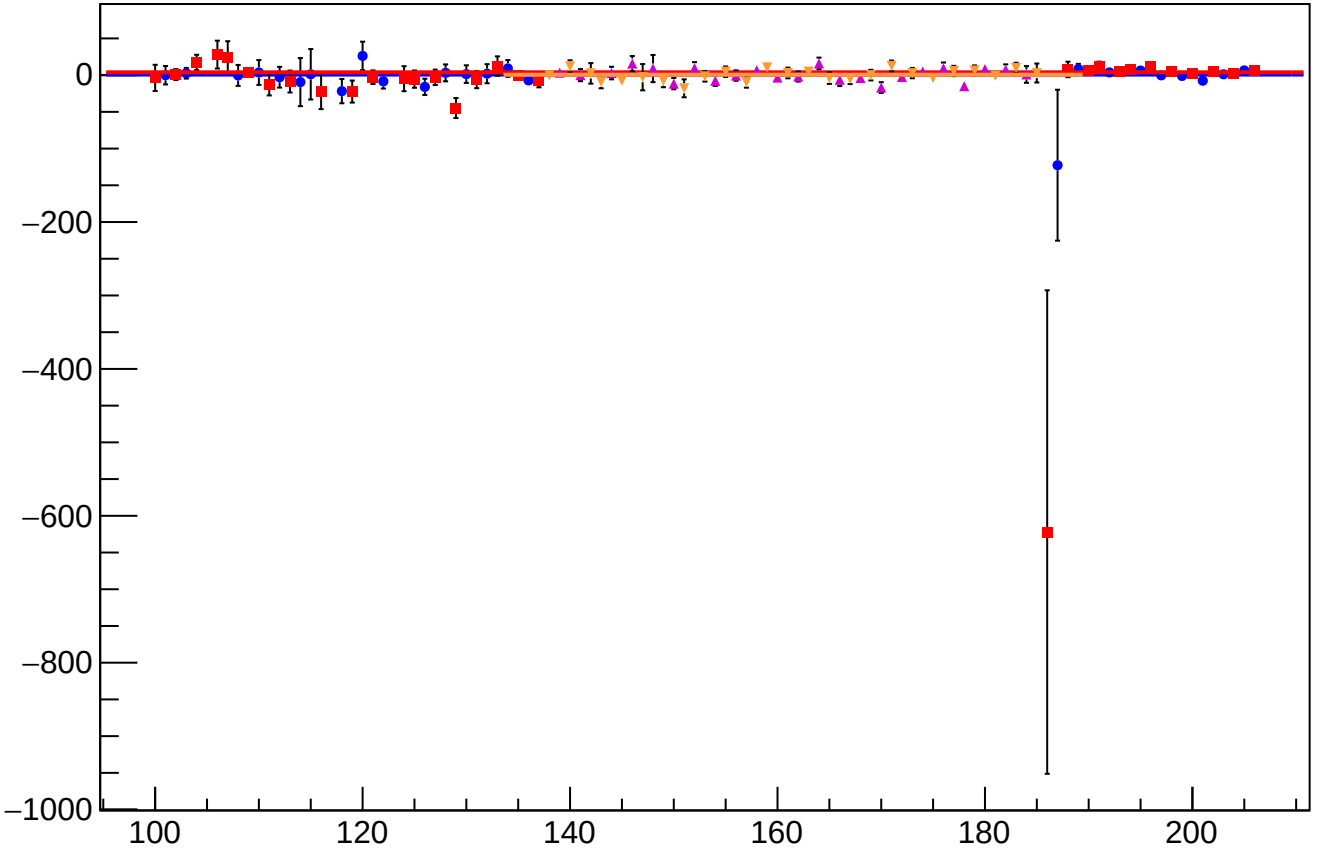
Right: 13361.684+/-1.752 χ^2/NDF: 2593239.3/55

In: 12618.506+/-1.605 χ^2/NDF:2702710.7/47

Out: 12650.938+/-1.536 χ^2/NDF:3159341.9/55

All: 12635.438+/-1.110 χ^2/NDF: 5862265.6/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.764+/-1.409 χ^2/NDF: 19.7/24

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.855+/-1.282 χ^2/NDF: 37.1/30

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

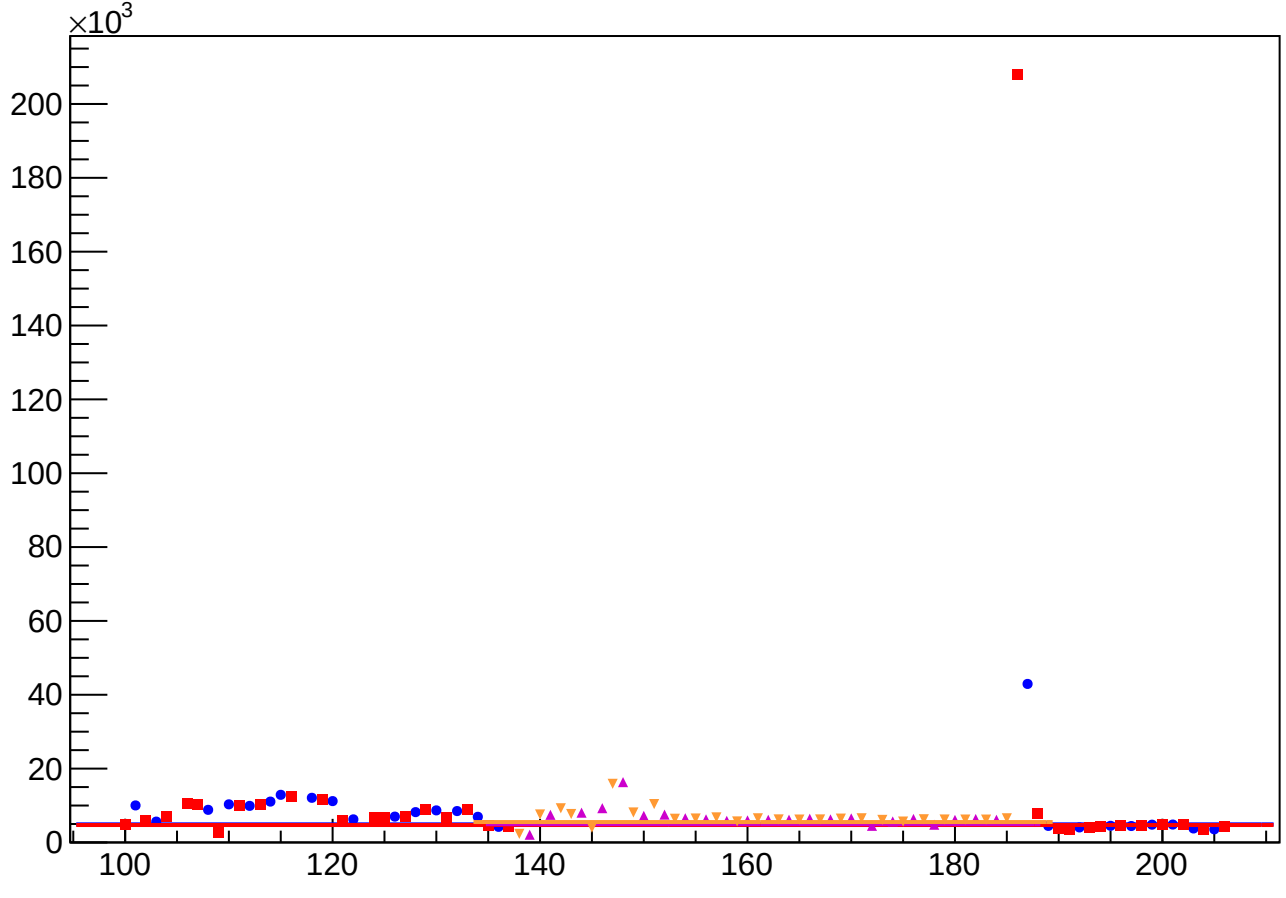
Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

Right: 2.455+/-0.948 χ^2/NDF: 59.5/55

In: 0.863+/-0.953 χ^2/NDF:51.9/47

Out: 2.299+/-0.936 χ^2/NDF:61.7/55

All: 1.595+/-0.668 χ^2/NDF: 114.8/103



Right In: 4903.918+/-0.996 χ^2/NDF: 3251321.7/24

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4721.888+/-0.906 χ^2/NDF: 3968846.2/30

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

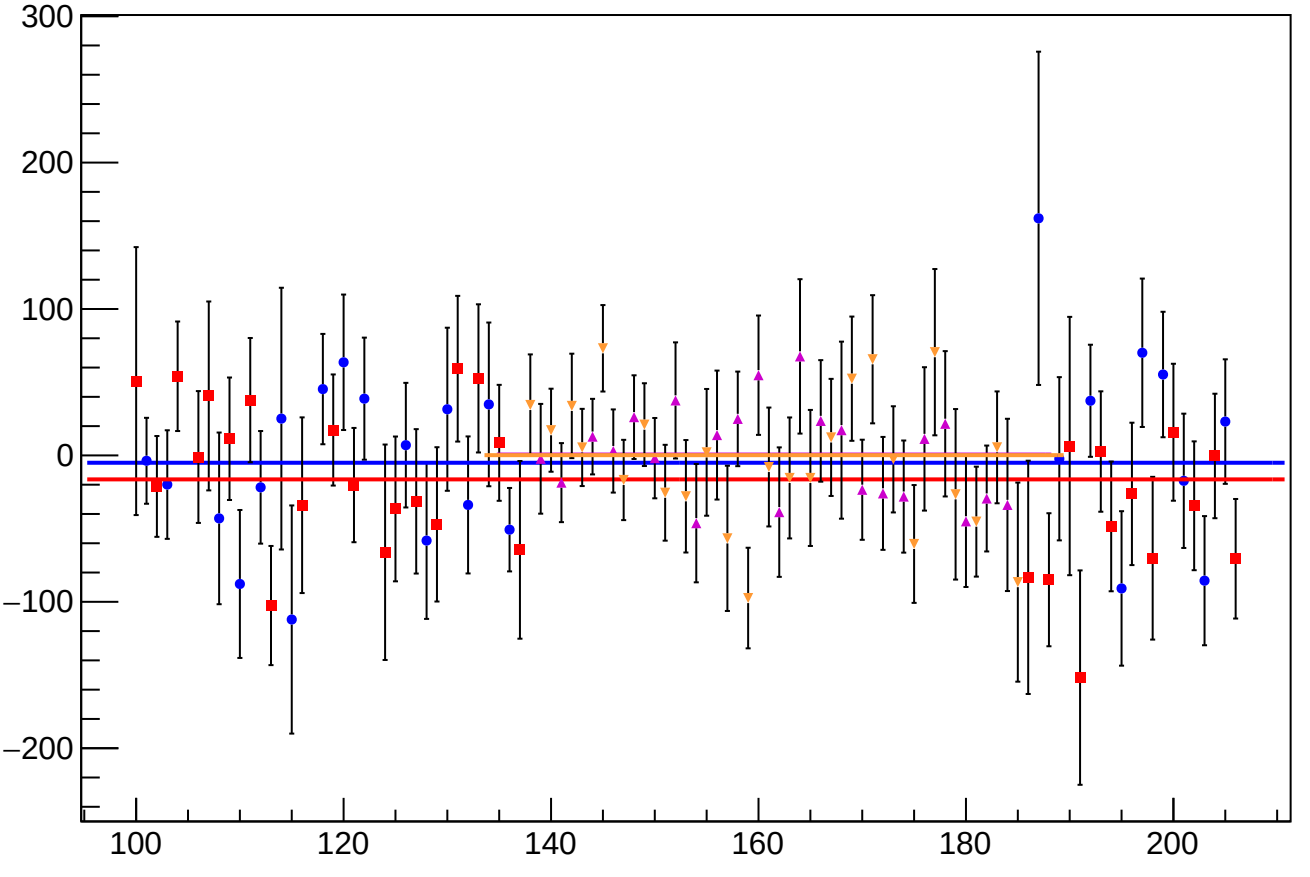
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 4804.317+/-0.670 χ^2/NDF: 7238436.9/55

In: 4924.566+/-0.674 χ^2/NDF:9188222.1/47

Out: 5098.475+/-0.662 χ^2/NDF:8714172.7/55

All: 5013.141+/-0.472 χ^2/NDF: 17936307.2/



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

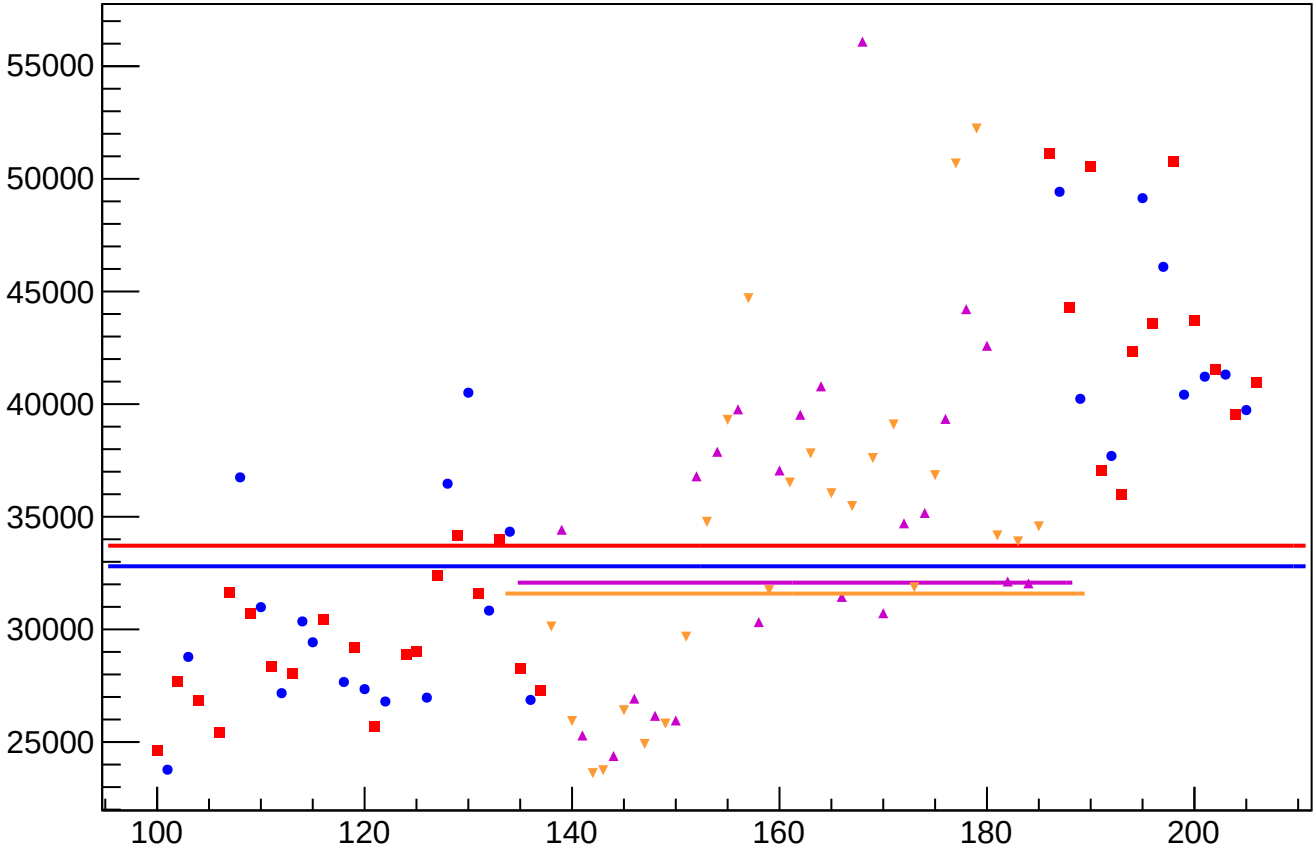
Right: -10.987+/-6.178 χ^2/NDF: 59.8/55

In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.462+/-4.029 χ^2/NDF: 105.7/103

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

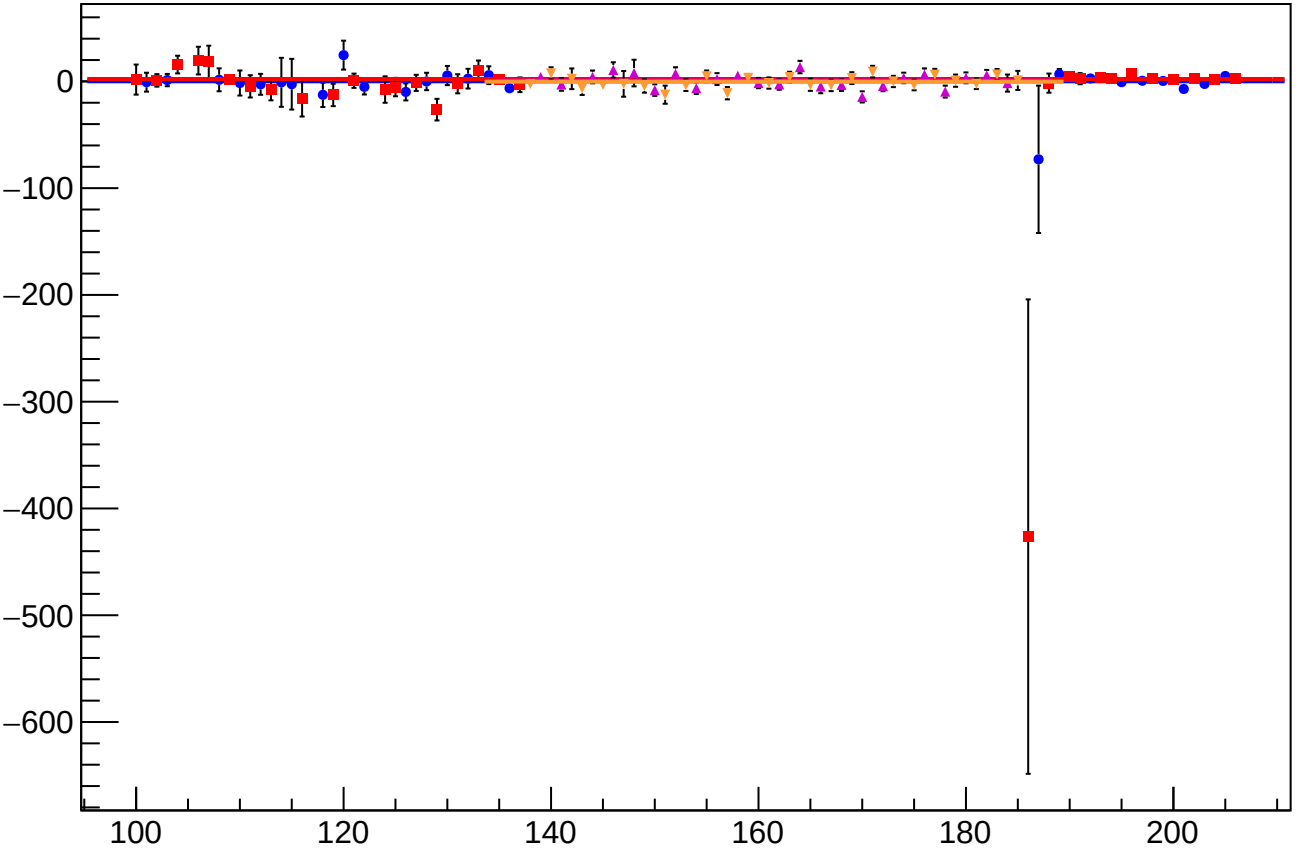
Right: 33281.805+/-4.368 χ^2/NDF: 2662708.8/55

In: 32381.755+/-4.121 χ^2/NDF:2717918.7/47

Out: 32500.146+/-3.943 χ^2/NDF:3059187.7/55

All: 32443.557+/-2.849 χ^2/NDF: 5777537.3/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.909 χ^2/NDF: 26.6/24

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.253+/-0.840 χ^2/NDF: 29.1/30

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

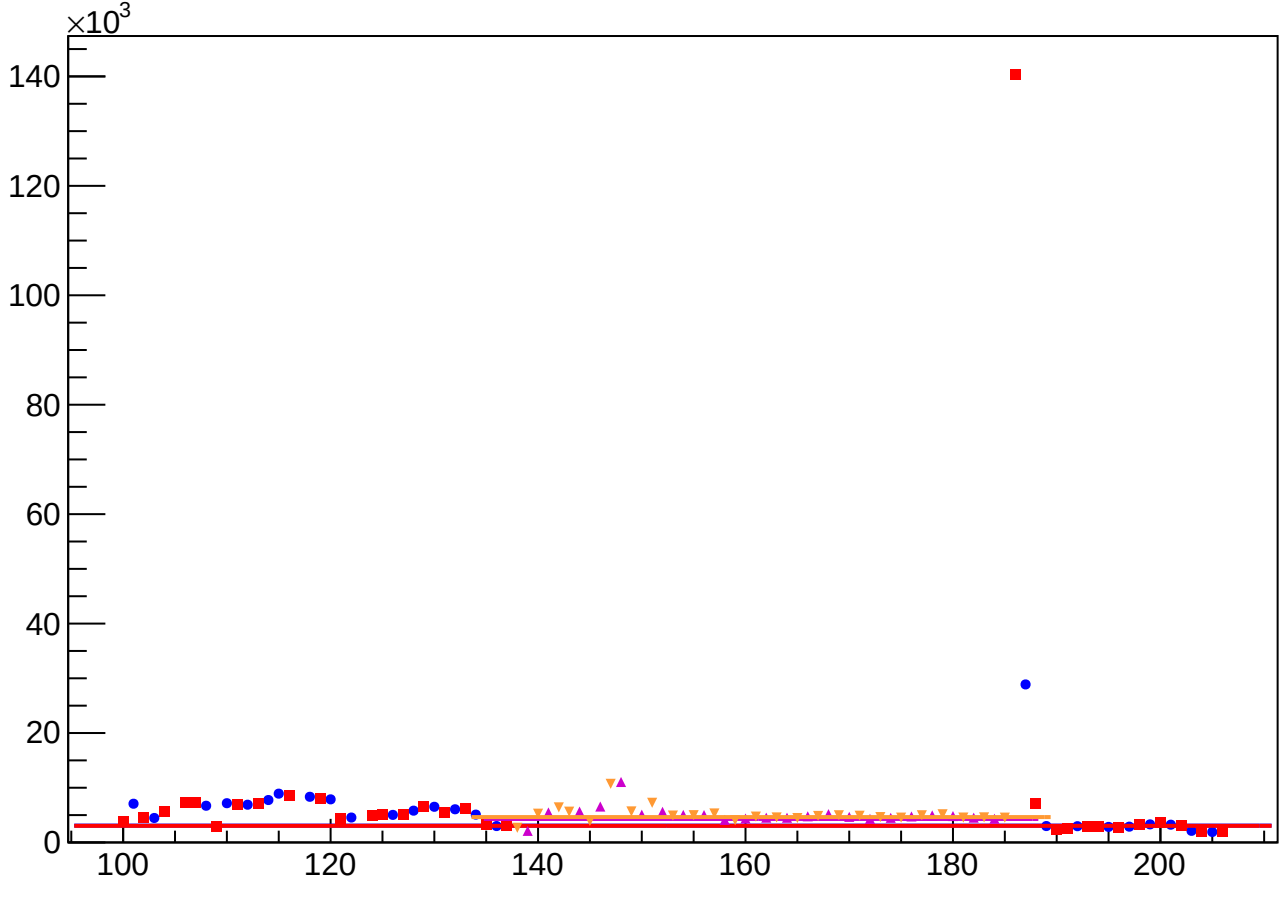
Right: 1.260+/-0.617 χ^2/NDF: 58.8/55

In: 0.390+/-0.690 χ^2/NDF:60.7/47

Out: 1.334+/-0.666 χ^2/NDF:52.2/55

All: 0.879+/-0.479 χ^2/NDF: 113.8/103

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3080.706+/-0.643 χ^2/NDF: 4530129.8/24

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3038.130+/-0.594 χ^2/NDF: 5355182.3/30

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

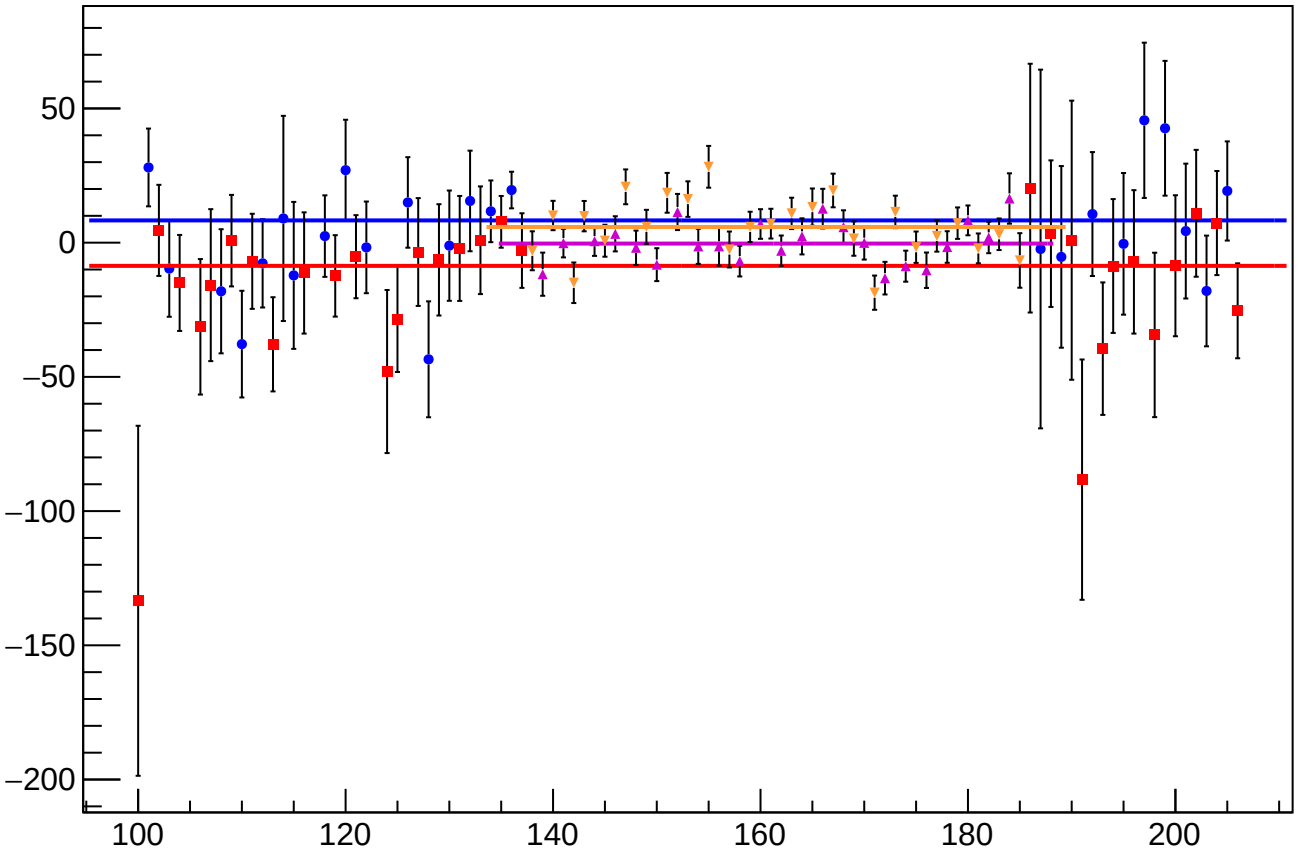
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 3057.734+/-0.436 χ^2/NDF: 9887677.8/55

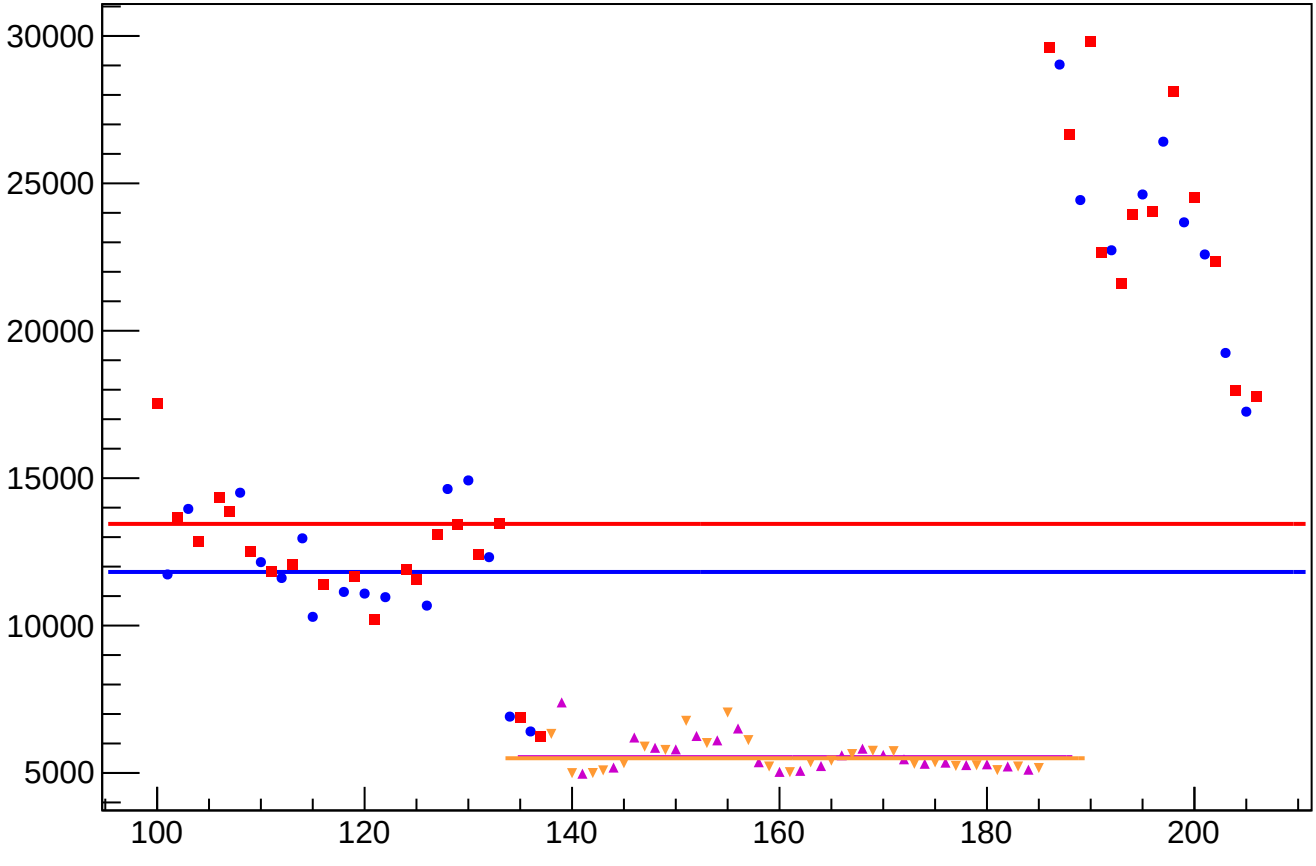
In: 3595.179+/-0.488 χ^2/NDF:9136822.8/47

Out: 3631.347+/-0.471 χ^2/NDF:9807311.9/55

All: 3613.905+/-0.339 χ^2/NDF: 18946977.1/1


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 8.293+/-3.480 χ²/NDF: 27.5/24
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -8.638+/-3.604 χ²/NDF: 23.0/30
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.124+/-2.503 χ²/NDF: 61.9/55
In: 0.721+/-1.218 χ²/NDF:62.2/47
Out: 4.276+/-1.187 χ²/NDF:97.4/55
All: 2.545+/-0.850 χ²/NDF: 164.0/103

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11818.370+/-2.460 χ^2/NDF: 4874204.5/24

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13448.677+/-2.548 χ^2/NDF: 4883284.0/30

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

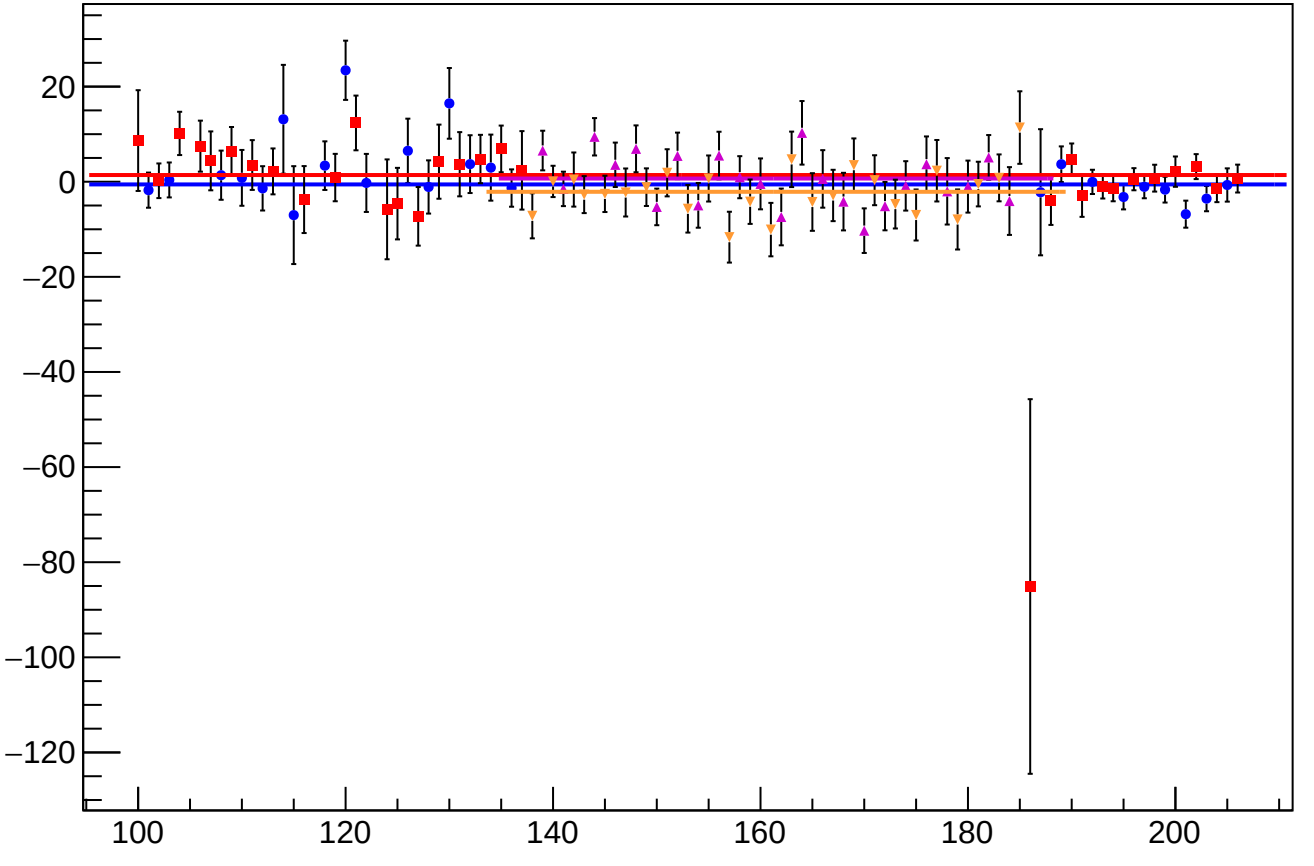
Right: 12604.971+/-1.770 χ^2/NDF: 9969329.7/55

In: 6307.892+/-0.862 χ^2/NDF:10895379.8/47

Out: 6362.018+/-0.839 χ^2/NDF:13857202.9/55

All: 6335.657+/-0.601 χ^2/NDF: 24754607.2/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.566+/-0.793 χ^2/NDF: 33.5/24

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.409+/-0.735 χ^2/NDF: 27.8/30

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

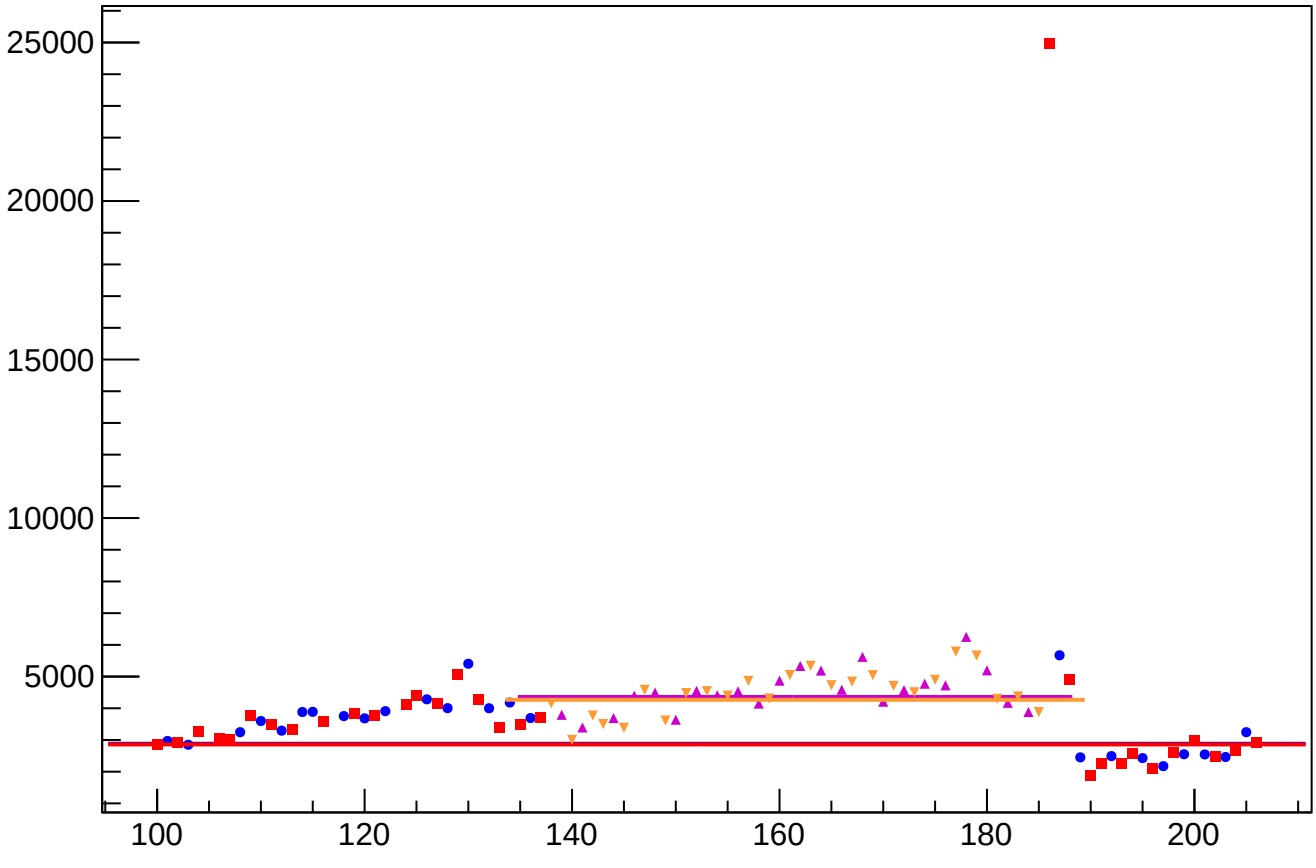
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.497+/-0.539 χ^2/NDF: 64.6/55

In: -0.106+/-0.629 χ^2/NDF:62.8/47

Out: 0.152+/-0.590 χ^2/NDF:53.4/55

All: 0.031+/-0.430 χ^2/NDF: 116.3/103



Right In: 2879.631+/-0.561 χ^2/NDF: 1384782.5/24

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2859.080+/-0.520 χ^2/NDF: 2415925.5/30

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

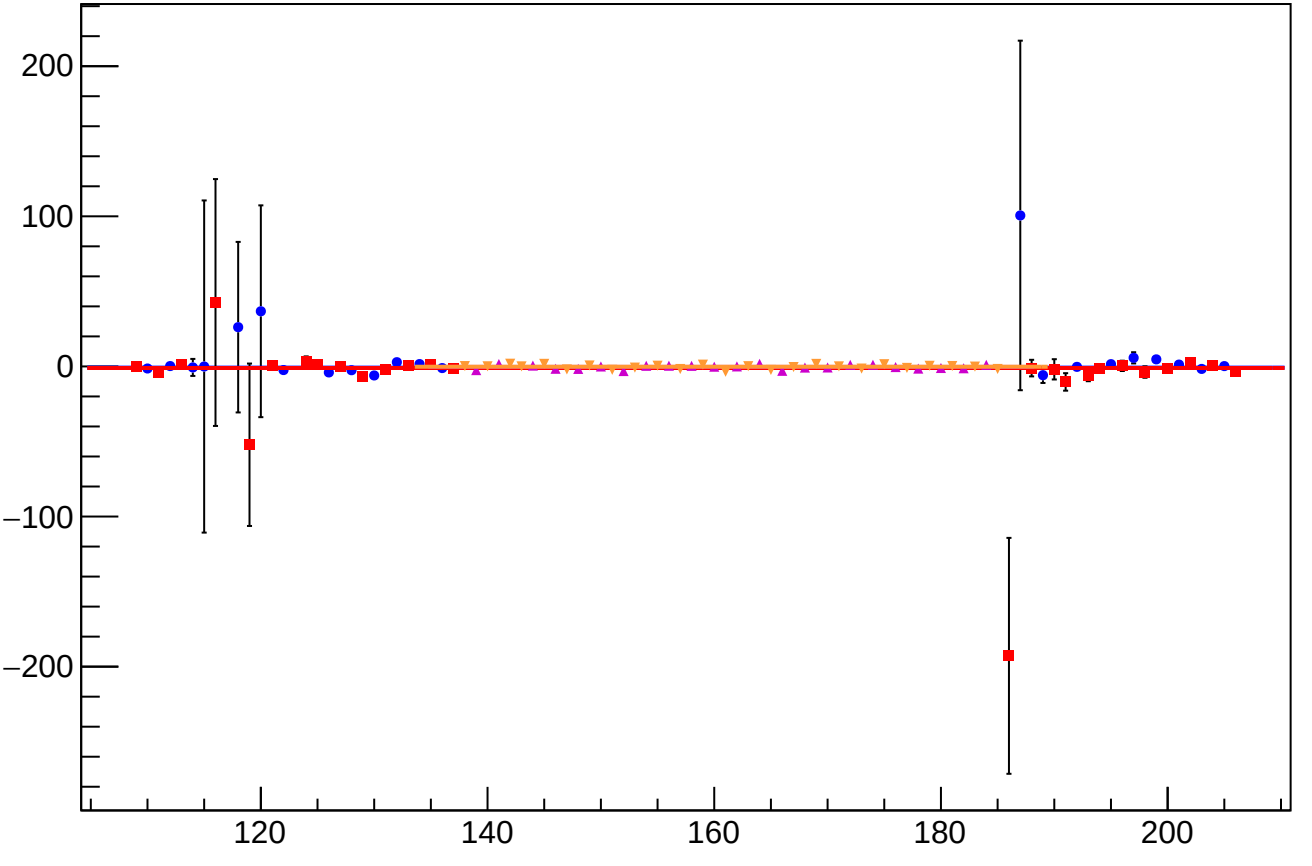
Right: 2868.572+/-0.381 χ^2/NDF: 3801430.0/55

In: 3428.805+/-0.445 χ^2/NDF:4703430.2/47

Out: 3361.446+/-0.417 χ^2/NDF:6069642.6/55

All: 3392.964+/-0.304 χ^2/NDF: 10785286.3/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.805+/-0.611 χ^2/NDF: 20.9/21

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.046+/-0.580 χ^2/NDF: 27.6/25

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

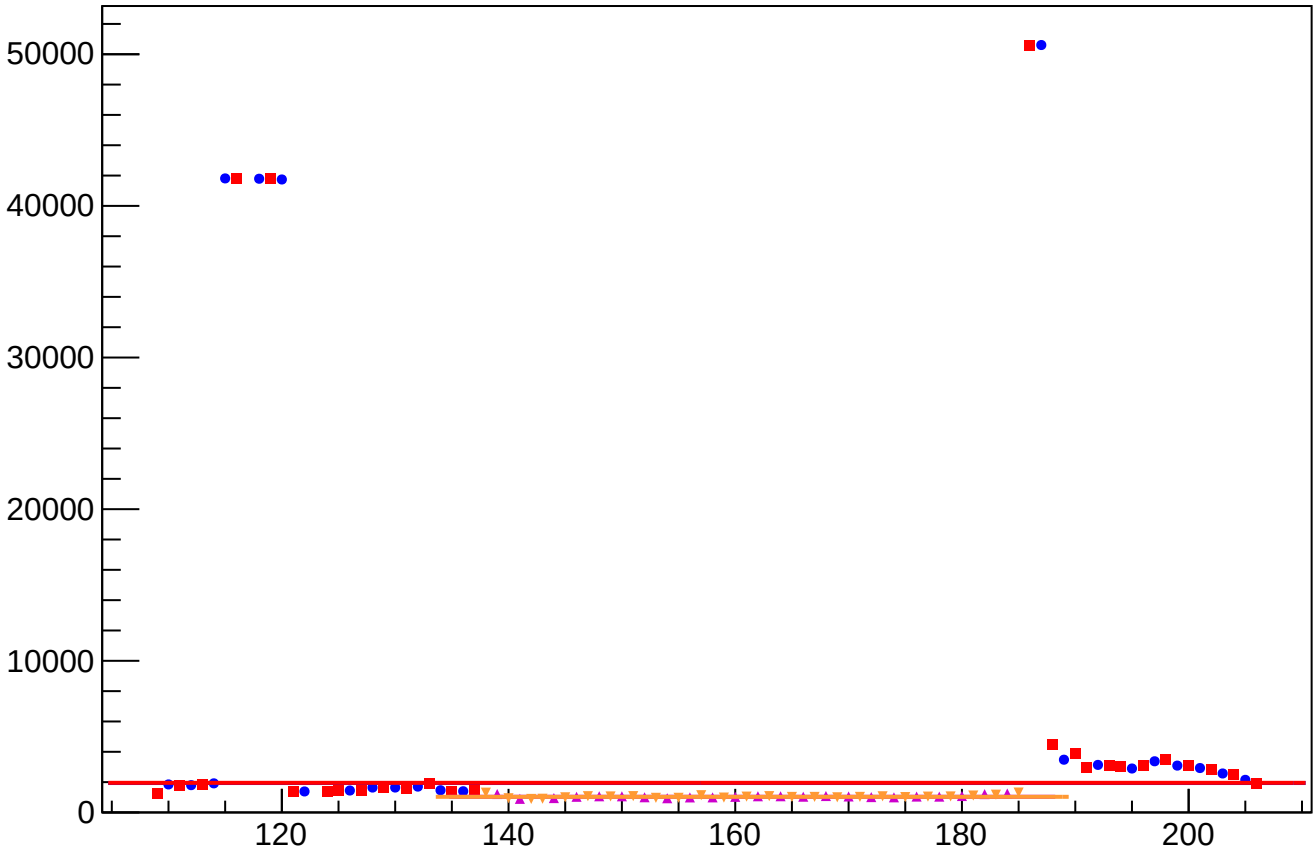
Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

Right: -0.932+/-0.421 χ^2/NDF: 48.6/47

In: -0.397+/-0.225 χ^2/NDF:50.9/44

Out: -0.320+/-0.218 χ^2/NDF:63.3/50

All: -0.358+/-0.157 χ^2/NDF: 114.3/95



Right In: 1940.978+/-0.432 χ^2/NDF: 4386487.4/21

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1953.640+/-0.410 χ^2/NDF: 5347150.1/25

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

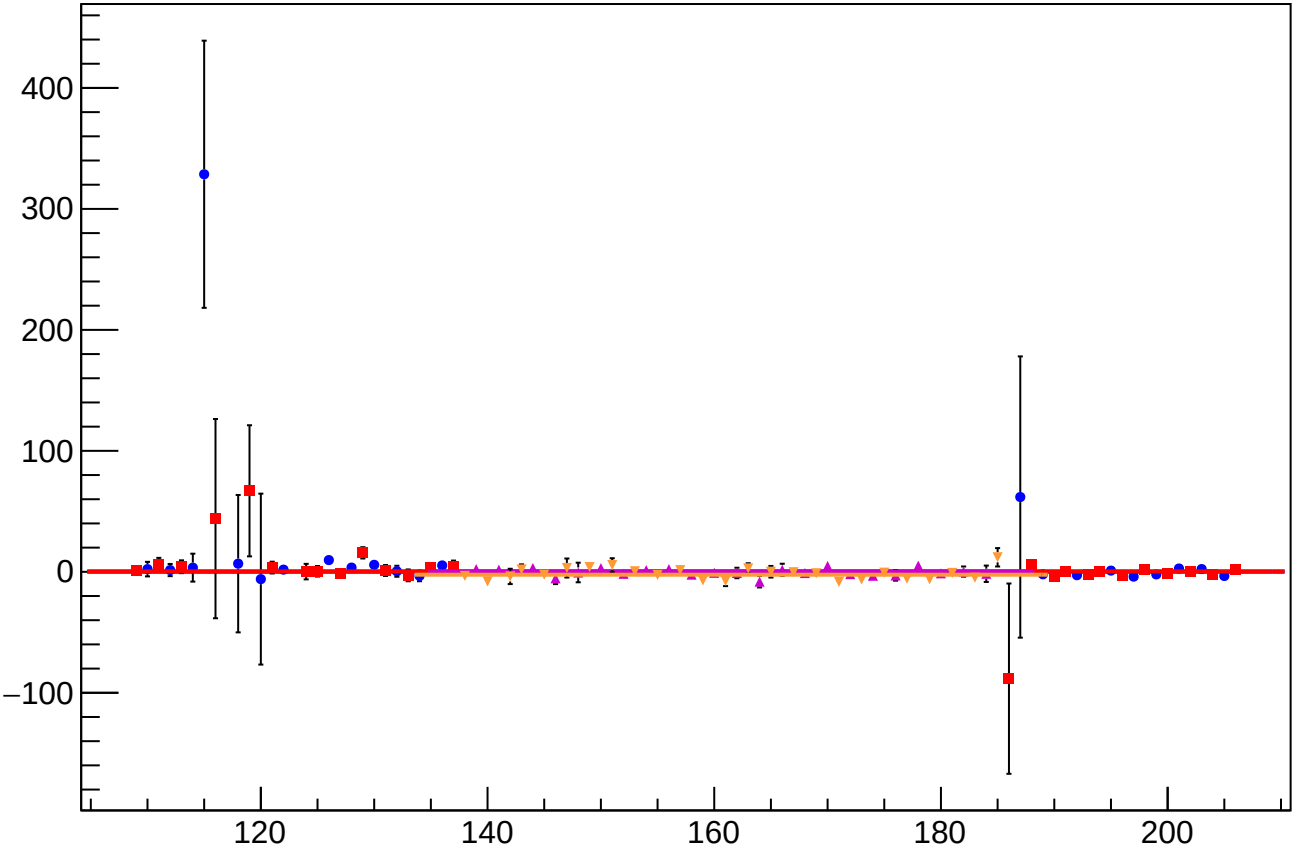
Right: 1947.639+/-0.298 χ^2/NDF: 9734089.1/47

In: 1155.951+/-0.159 χ^2/NDF:8391105.2/44

Out: 1161.924+/-0.154 χ^2/NDF:9929357.3/50

All: 1159.031+/-0.111 χ^2/NDF: 18321188.3/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.614 χ^2/NDF: 40.2/21

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.363+/-0.564 χ^2/NDF: 31.3/25

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

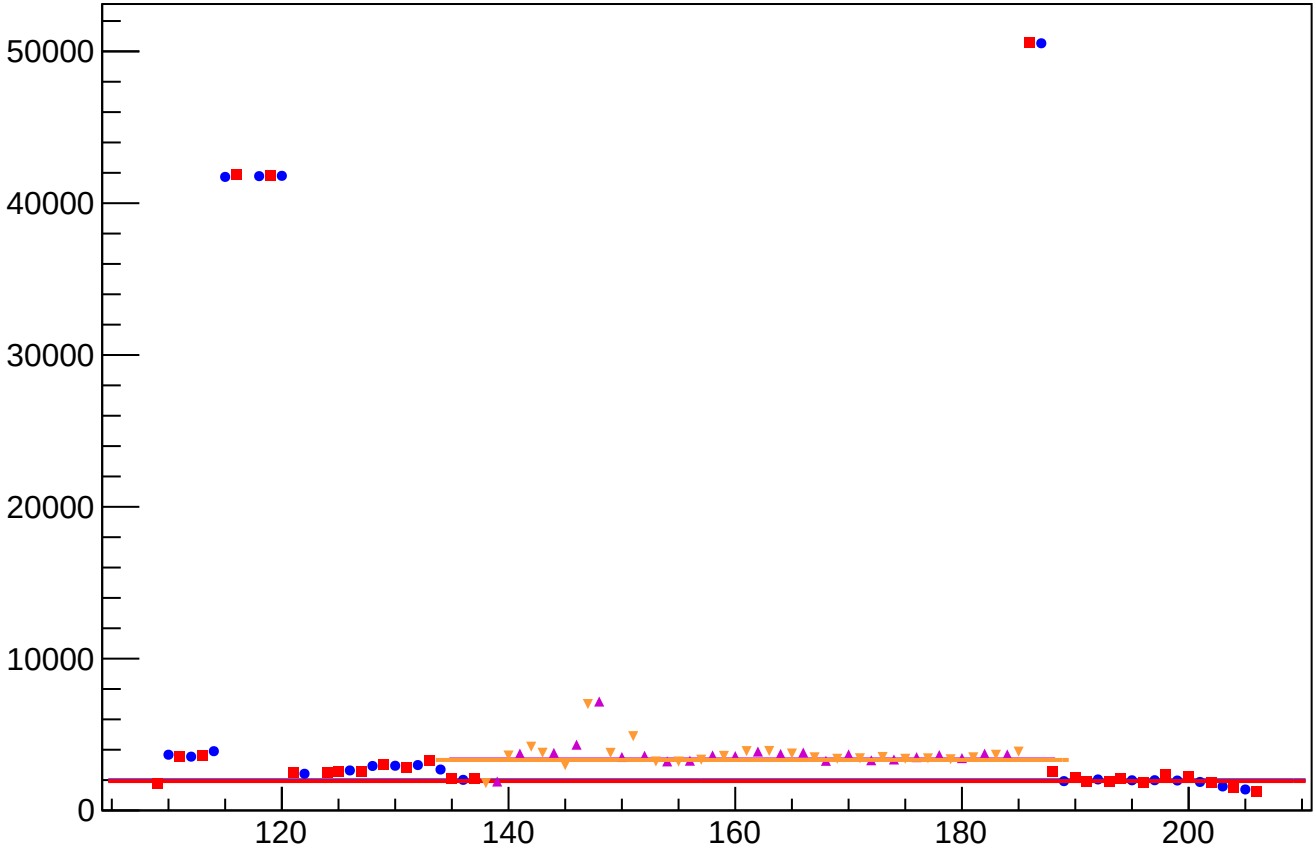
Right: 0.256+/-0.415 χ^2/NDF: 71.5/47

In: 0.145+/-0.489 χ^2/NDF:52.8/44

Out: -0.576+/-0.457 χ^2/NDF:63.7/50

All: -0.239+/-0.334 χ^2/NDF: 117.6/95

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1981.947+/-0.434 χ^2/NDF: 3523256.7/21

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1936.238+/-0.399 χ^2/NDF: 4080337.5/25

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

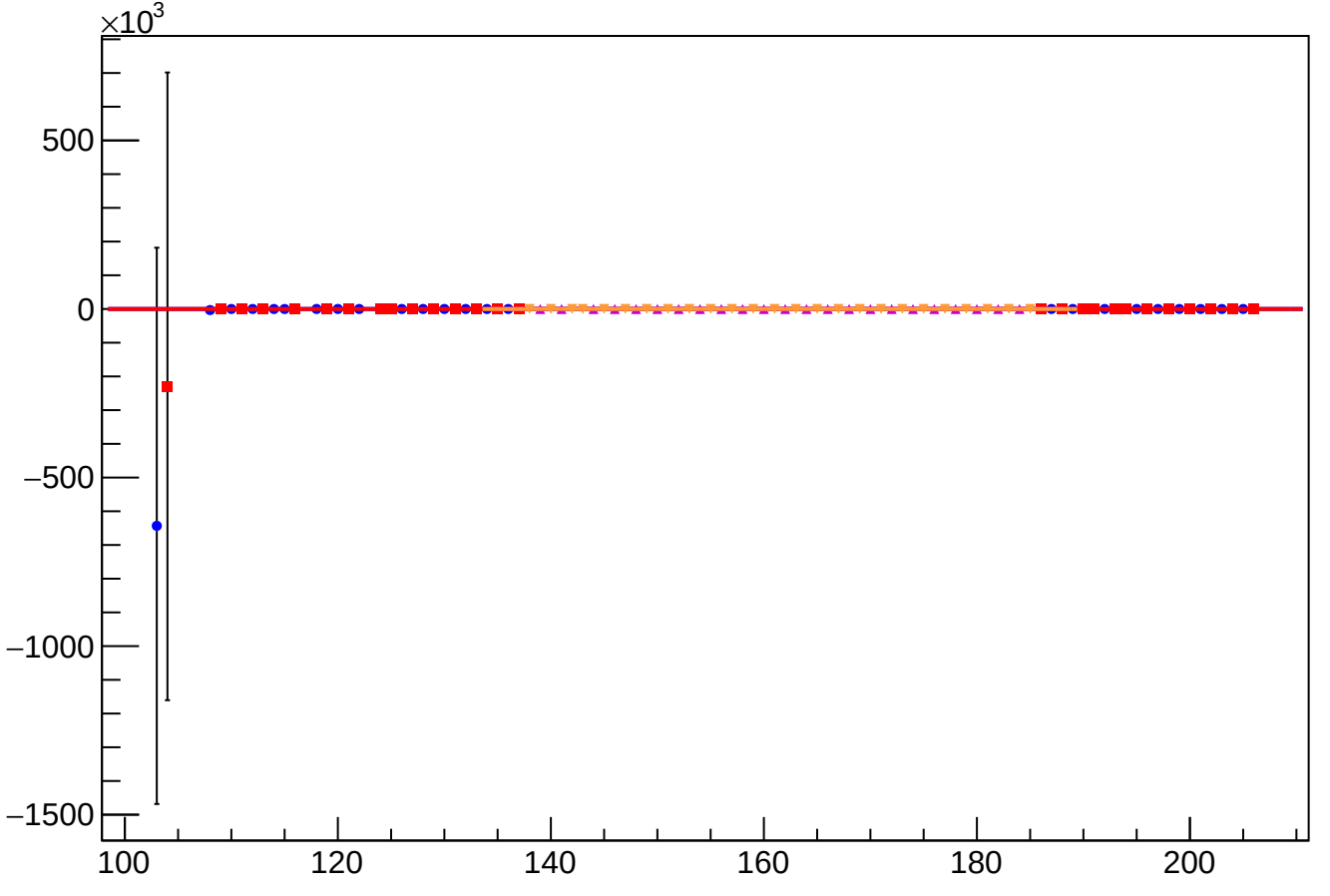
Right: 1957.177+/-0.294 χ^2/NDF: 7609610.4/47

In: 2484.915+/-0.346 χ^2/NDF:8857681.7/44

Out: 2412.562+/-0.323 χ^2/NDF:10163694.4/50

All: 2446.335+/-0.236 χ^2/NDF: 19044725.1/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.018+/-0.649 χ^2/NDF: 26.5/23

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.649+/-0.617 χ^2/NDF: 24.5/26

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

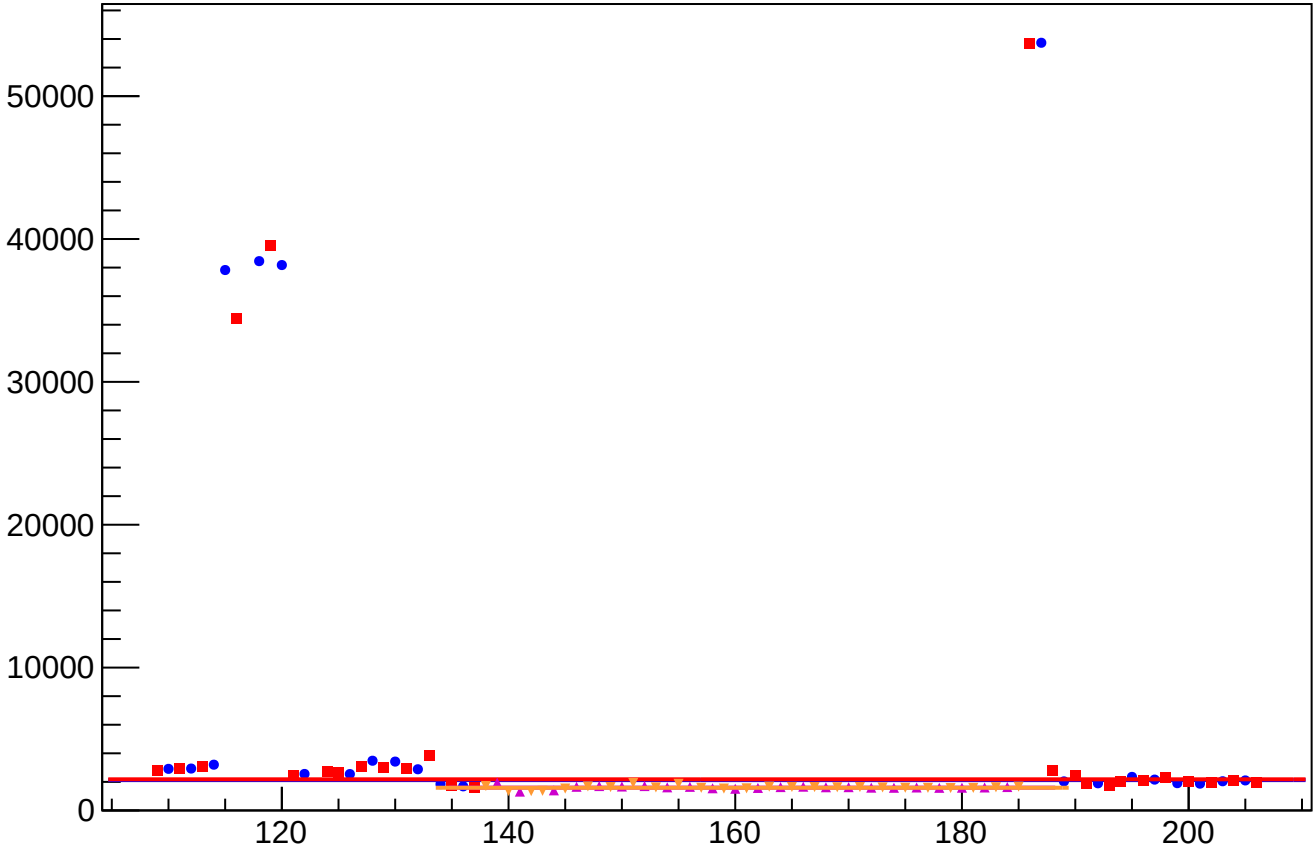
Right: 0.383+/-0.447 χ^2/NDF: 59.9/50

In: -0.267+/-0.324 χ^2/NDF:55.6/46

Out: -0.745+/-0.313 χ^2/NDF:95.0/51

All: -0.515+/-0.225 χ^2/NDF: 151.8/98

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2124.370+/-0.459 χ^2/NDF: 2968403.0/21

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2179.670+/-0.437 χ^2/NDF: 3246315.2/25

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

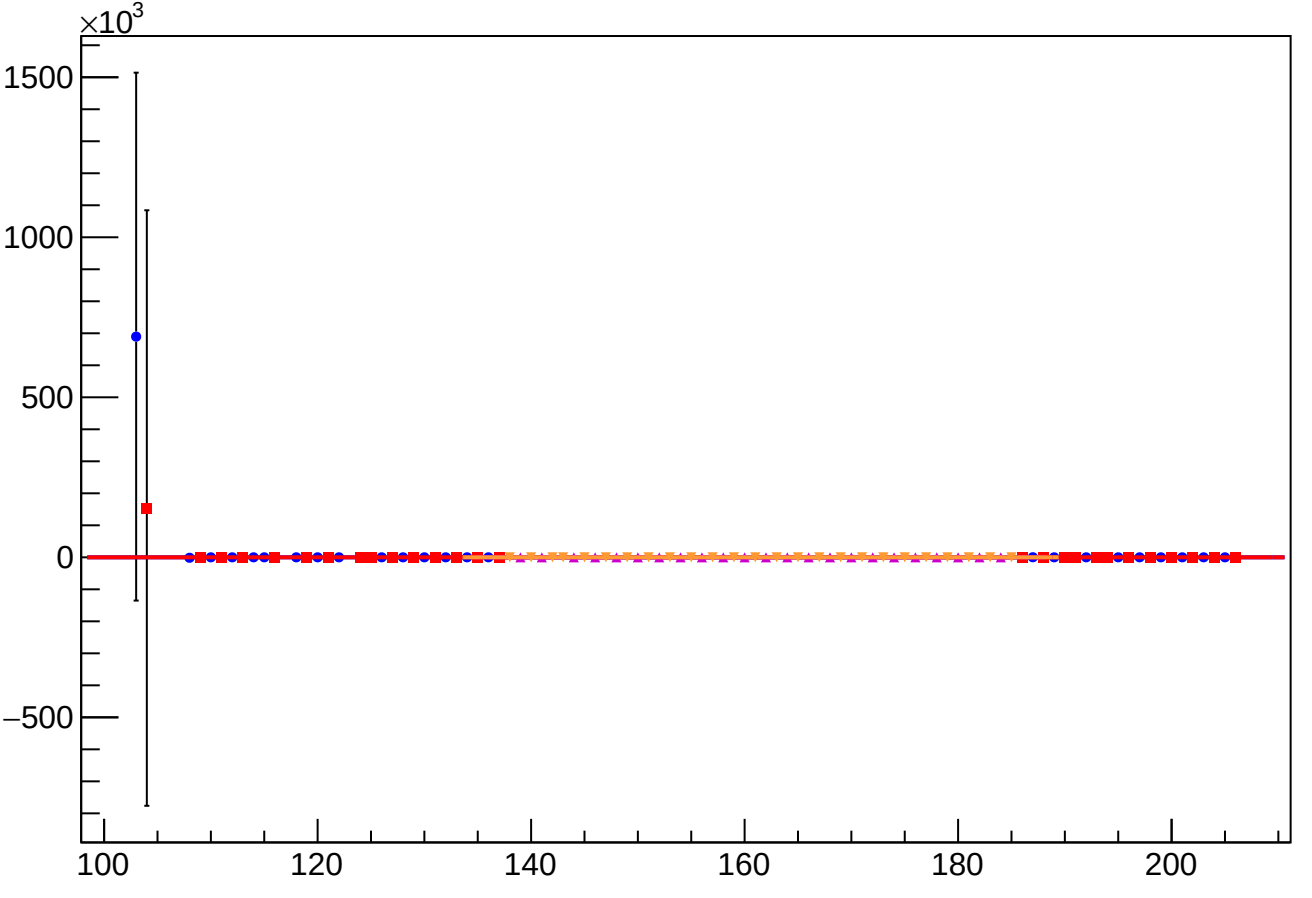
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2153.403+/-0.316 χ^2/NDF: 6222337.9/47

In: 1728.045+/-0.229 χ^2/NDF:4158746.3/44

Out: 1741.012+/-0.221 χ^2/NDF:4836882.3/50

All: 1734.762+/-0.159 χ^2/NDF: 8997284.5/95



Right In: 0.312+/-0.516 χ^2/NDF: 20.6/23

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.144+/-0.475 χ^2/NDF: 26.5/26

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

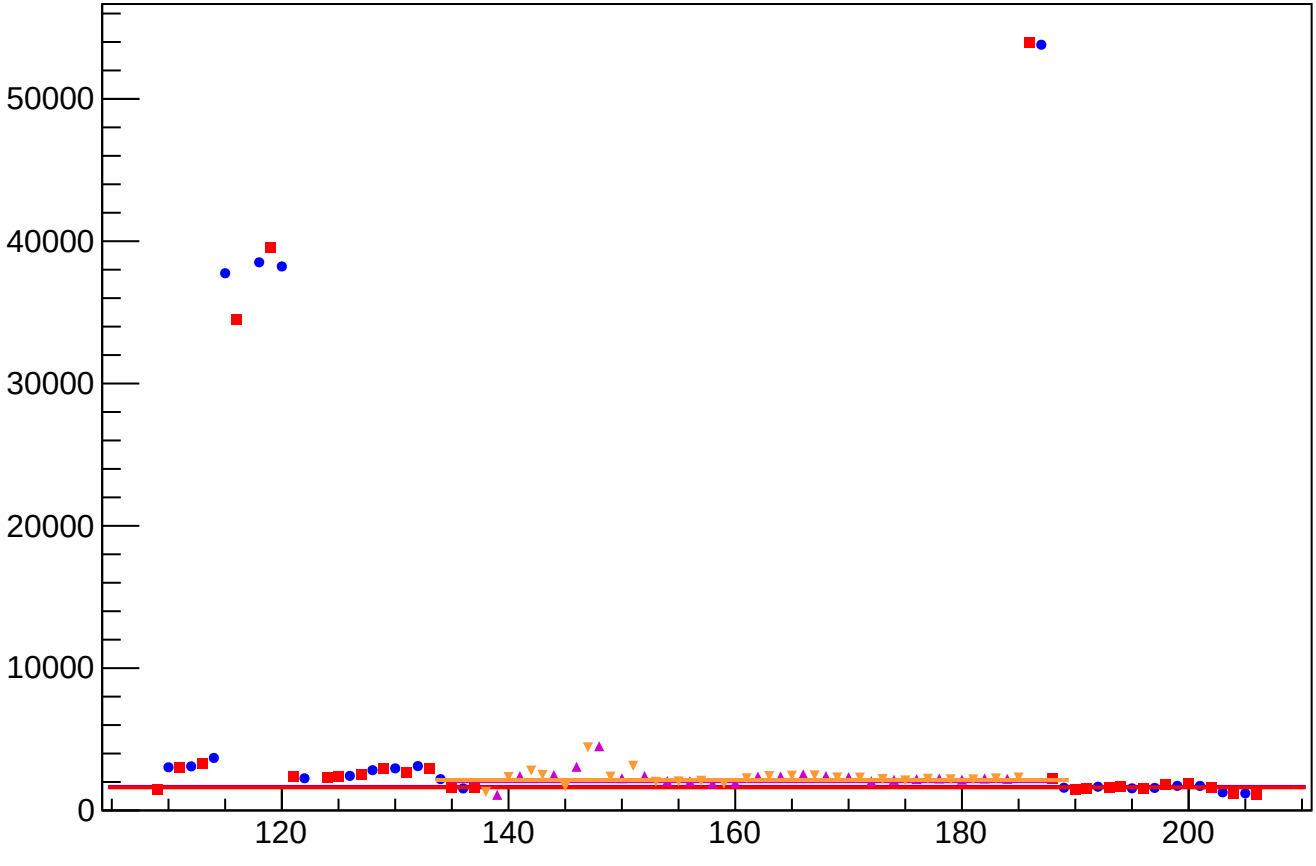
Right: 0.065+/-0.350 χ^2/NDF: 47.5/50

In: 0.087+/-0.360 χ^2/NDF:37.8/46

Out: -0.632+/-0.345 χ^2/NDF:53.2/51

All: -0.288+/-0.249 χ^2/NDF: 93.1/98

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1654.793+/-0.365 χ^2/NDF: 3859634.2/21

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1625.576+/-0.336 χ^2/NDF: 4242649.3/25

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

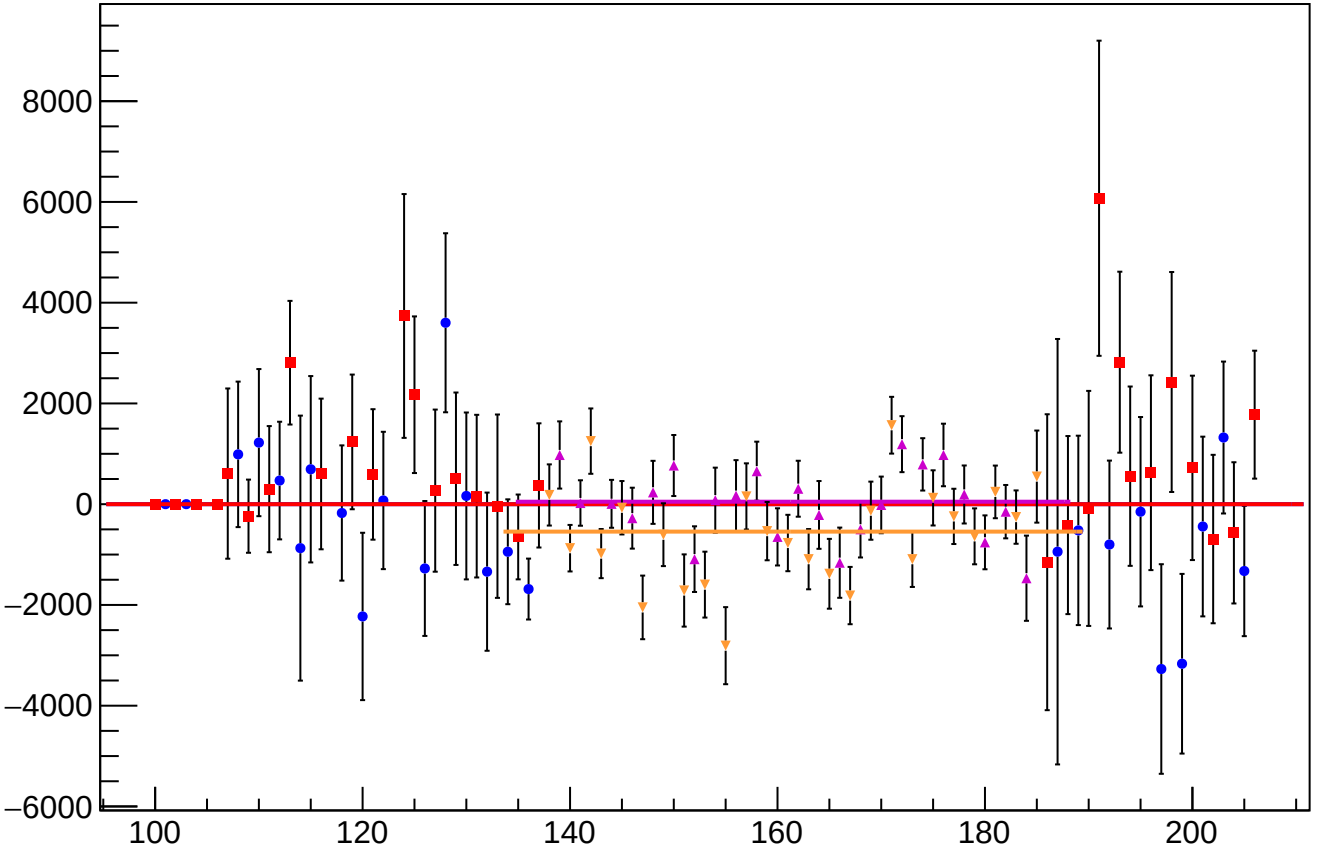
Right: 1638.965+/-0.247 χ^2/NDF: 8105751.5/47

In: 1862.514+/-0.254 χ^2/NDF:6781699.5/44

Out: 1867.981+/-0.244 χ^2/NDF:6826463.4/50

All: 1865.360+/-0.176 χ^2/NDF: 13608403.4/9

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 25.6/24

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 25.7/30

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

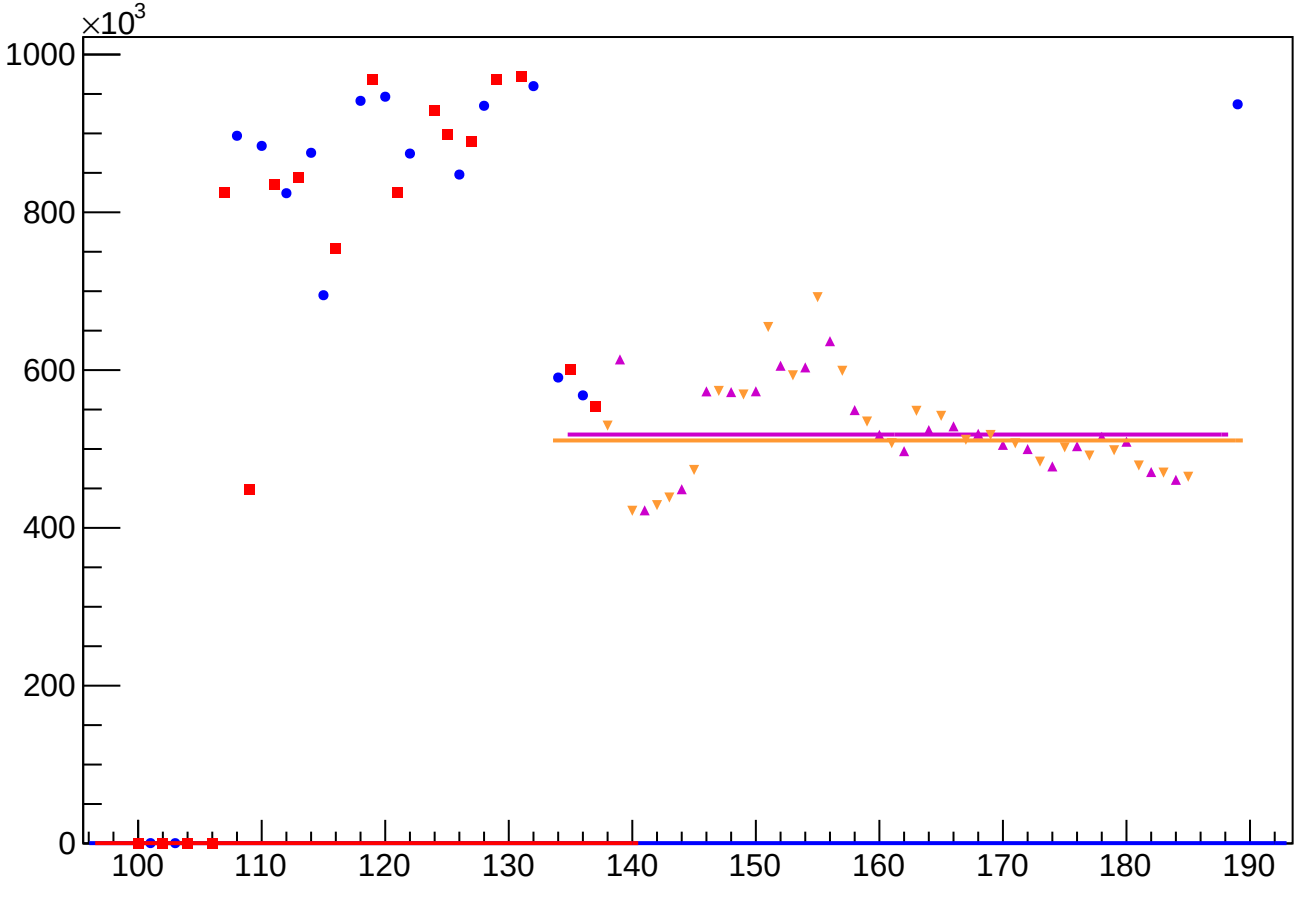
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 51.9/55

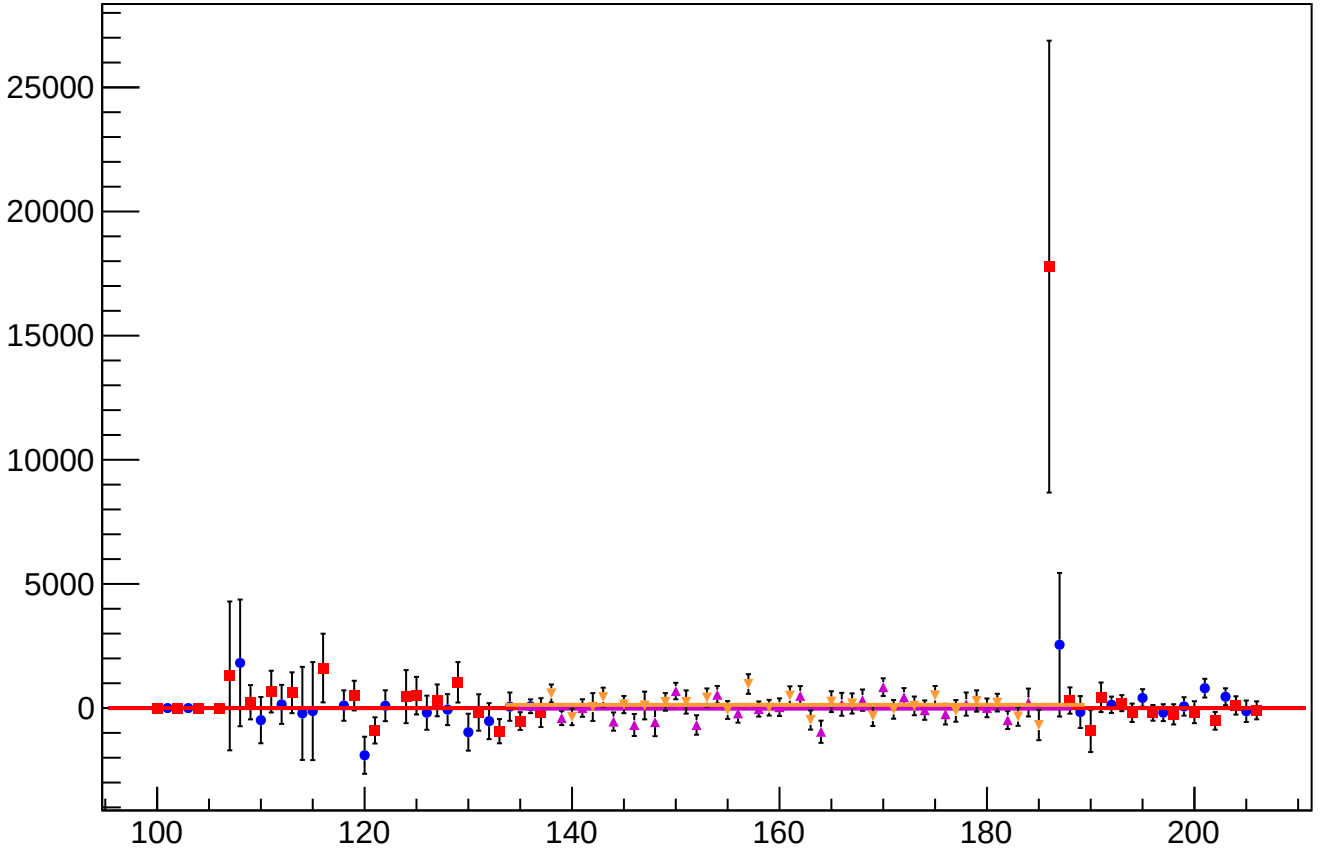
In: 0.255+/-0.356 χ^2/NDF:53.7/47

Out: -0.100+/-0.328 χ^2/NDF:108.2/55

All: 0.063+/-0.241 χ^2/NDF: 162.5/103


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 19.5/24

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.6/30

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

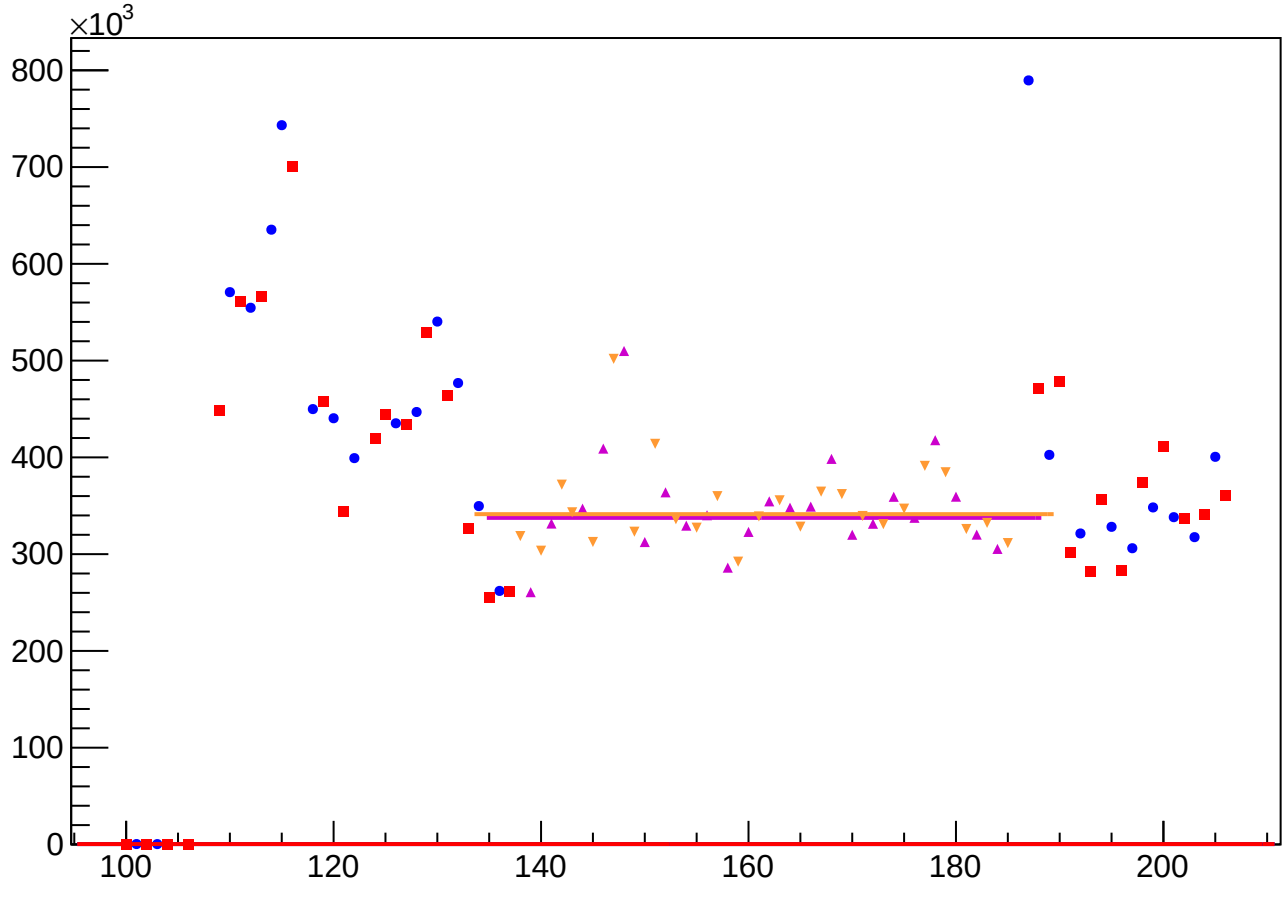
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 45.5/55

In: -0.019+/-0.347 χ^2/NDF:53.2/47

Out: -0.597+/-0.324 χ^2/NDF:47.4/55

All: -0.328+/-0.237 χ^2/NDF: 102.1/103



Right In: 392.559+/-0.245 χ^2/NDF: 23962220.9/23

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.446+/-0.229 χ^2/NDF: 27565880.7/28

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

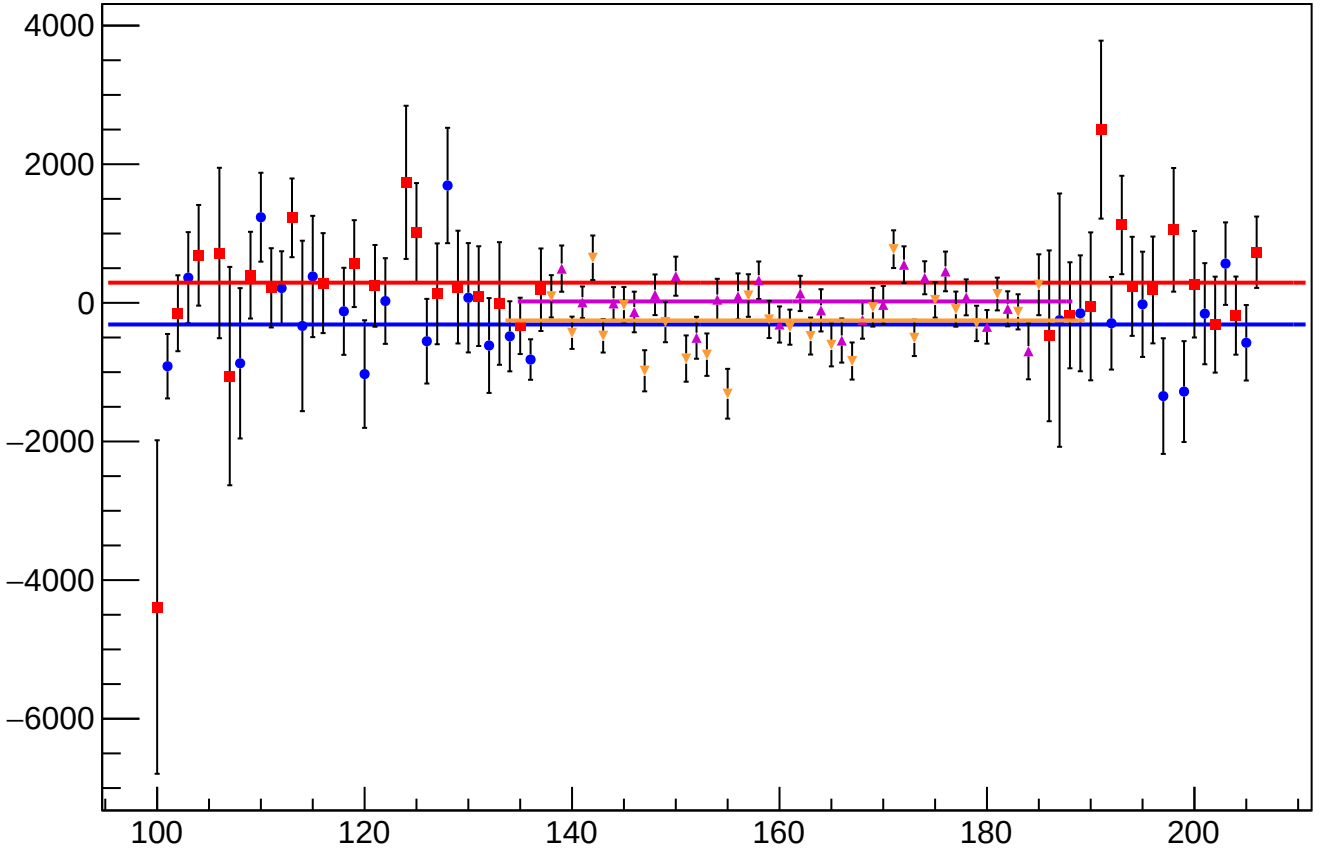
Right: 391.429+/-0.167 χ^2/NDF: 51528141.2/52

In: 398.942+/-0.245 χ^2/NDF:60280357.7/46

Out: 396.284+/-0.229 χ^2/NDF:65936850.3/53

All: 397.521+/-0.167 χ^2/NDF: 126217270.7/

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -312.140+/-125.834 χ^2/NDF: 27.1/24

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 291.278+/-126.771 χ^2/NDF: 22.1/30

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

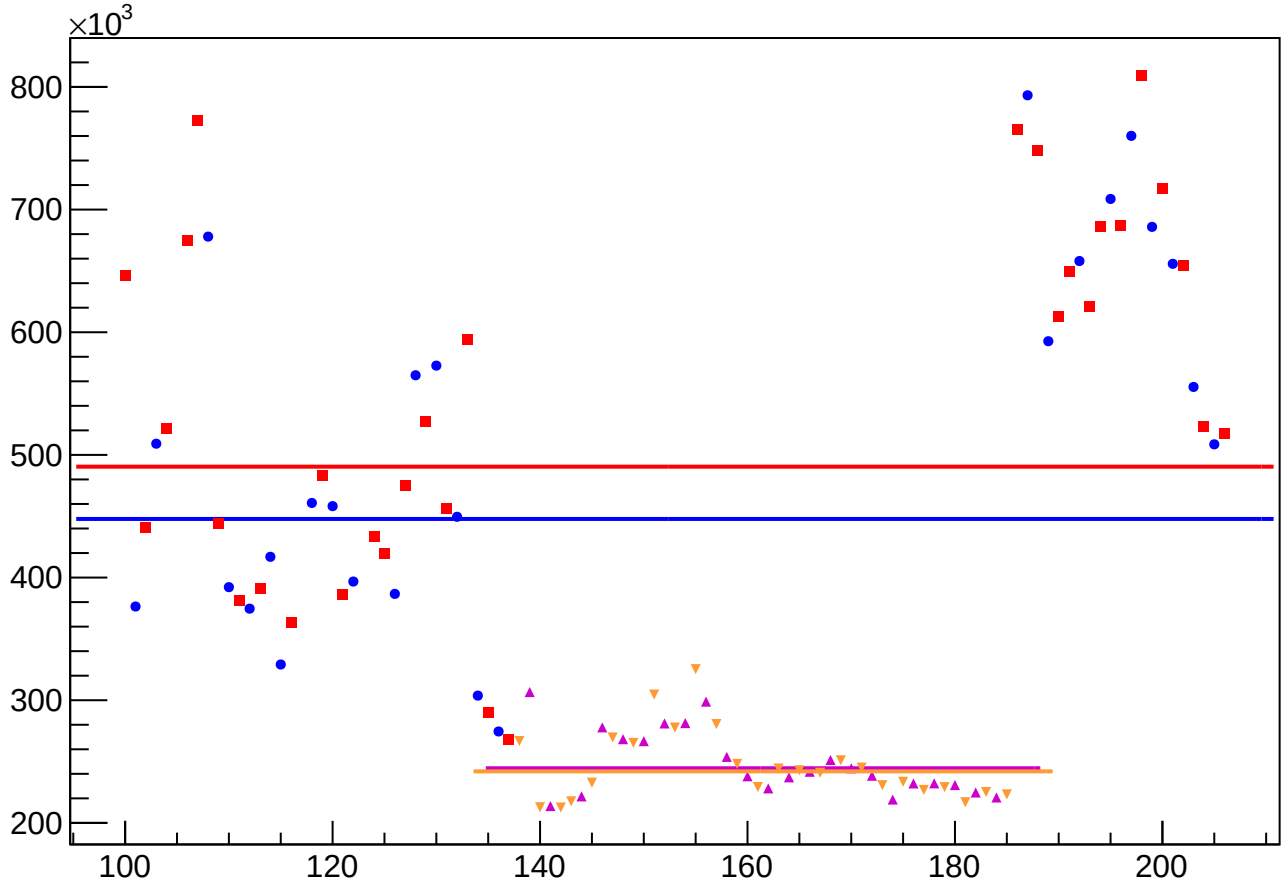
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -12.668+/-89.307 χ^2/NDF: 60.6/55

In: -37.201+/-52.286 χ^2/NDF:61.5/47

Out: -166.828+/-50.778 χ^2/NDF:98.9/55

All: -103.911+/-36.427 χ^2/NDF: 163.5/103



Right In: 447792.448+/-88.996 χ^2/NDF: 2547031.7/24

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490408.323+/-89.745 χ^2/NDF: 2500299.1/30

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

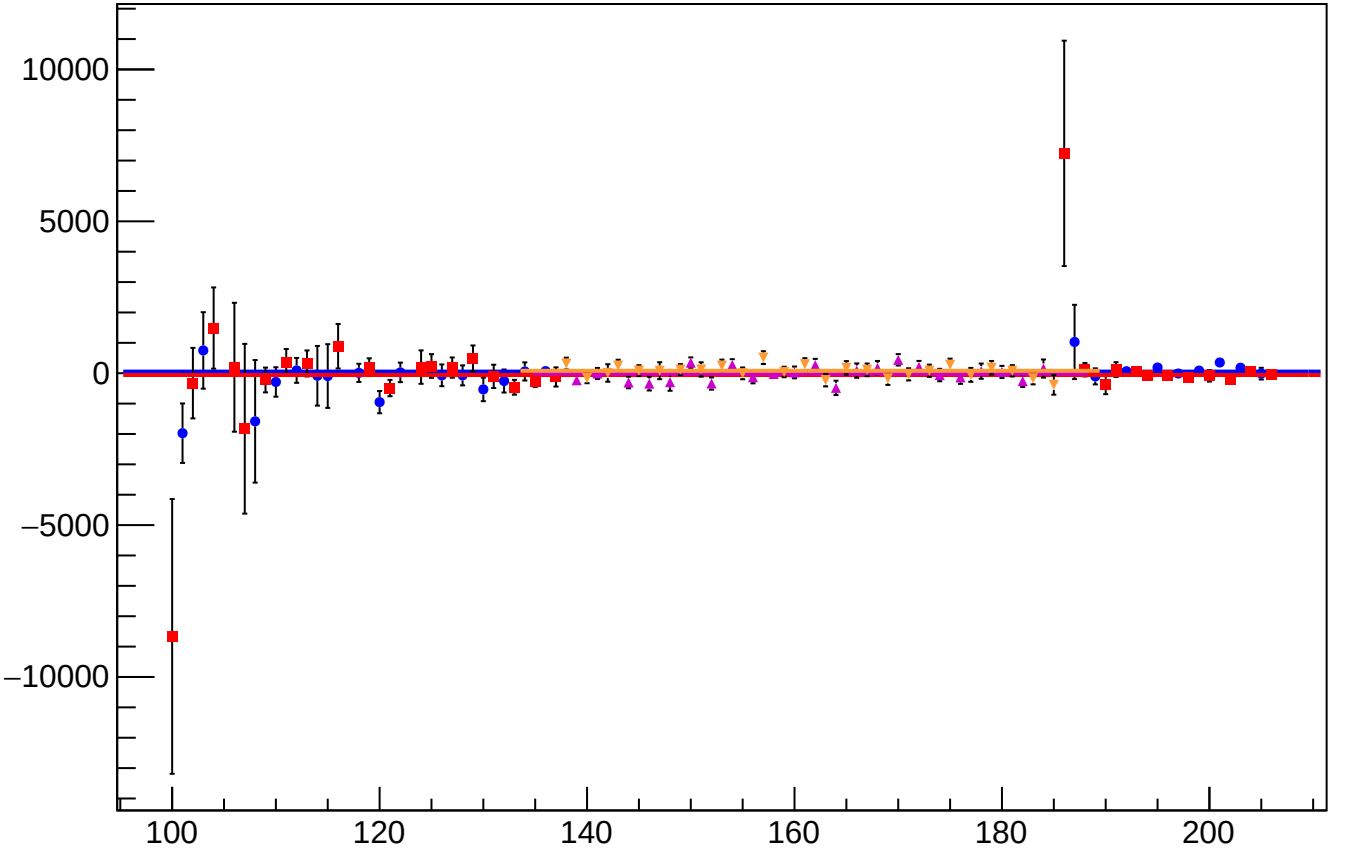
Right: 468921.774+/-63.193 χ^2/NDF: 5161018.9/55

In: 279623.221+/-36.973 χ^2/NDF:7224094.6/47

Out: 281783.432+/-35.912 χ^2/NDF:9347727.9/55

All: 280734.778+/-25.761 χ^2/NDF: 1657357

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 52.827+/-46.764 χ^2/NDF: 23.0/24

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -58.926+/-43.394 χ^2/NDF: 27.4/30

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

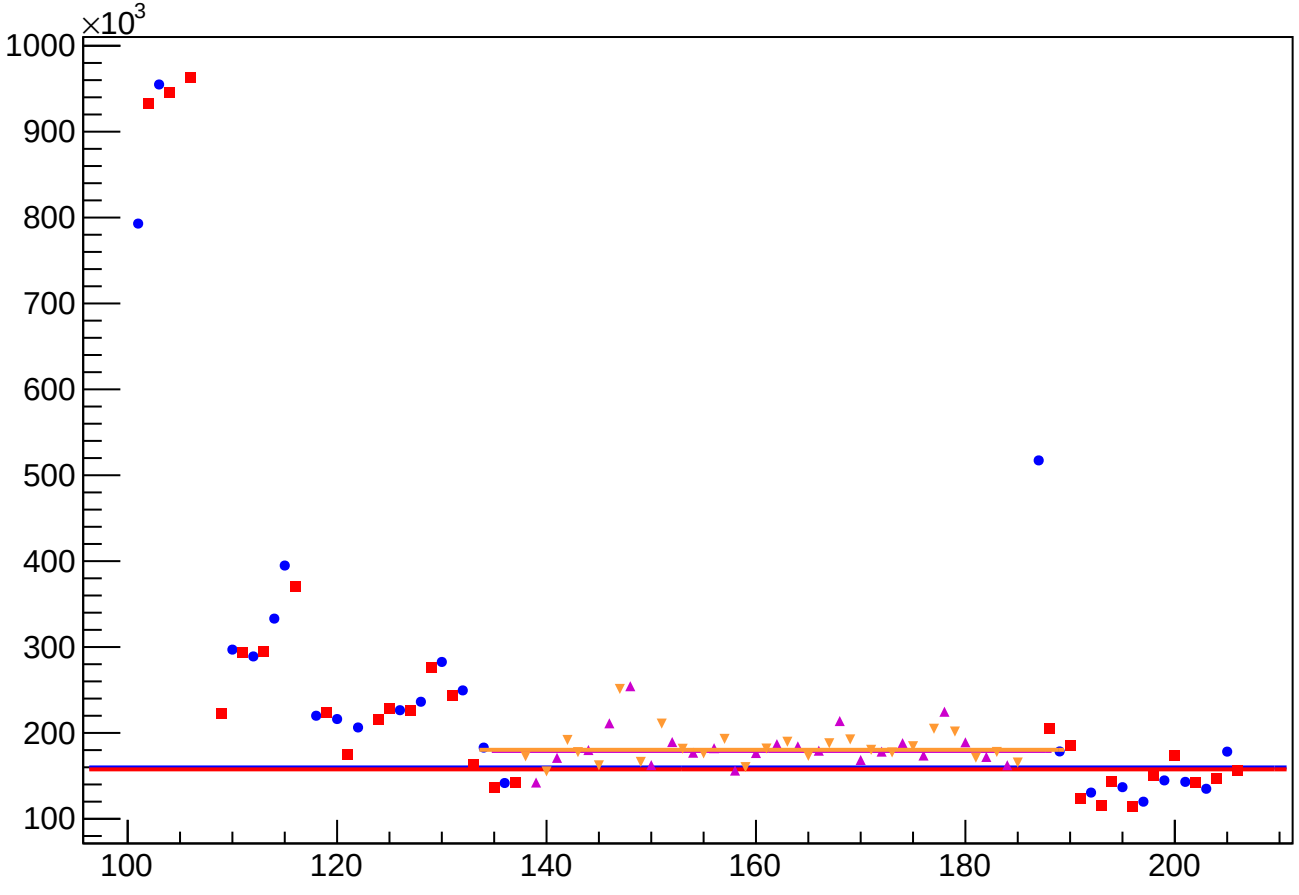
Right: -7.220+/-31.809 χ^2/NDF: 53.5/55

In: 16.003+/-31.343 χ^2/NDF:57.3/47

Out: 13.704+/-29.917 χ^2/NDF:52.5/55

All: 14.800+/-21.641 χ^2/NDF: 109.8/103

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 159819.461+/-33.083 χ^2/NDF: 3224410.3/23

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157584.672+/-30.705 χ^2/NDF: 3271755.5/27

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

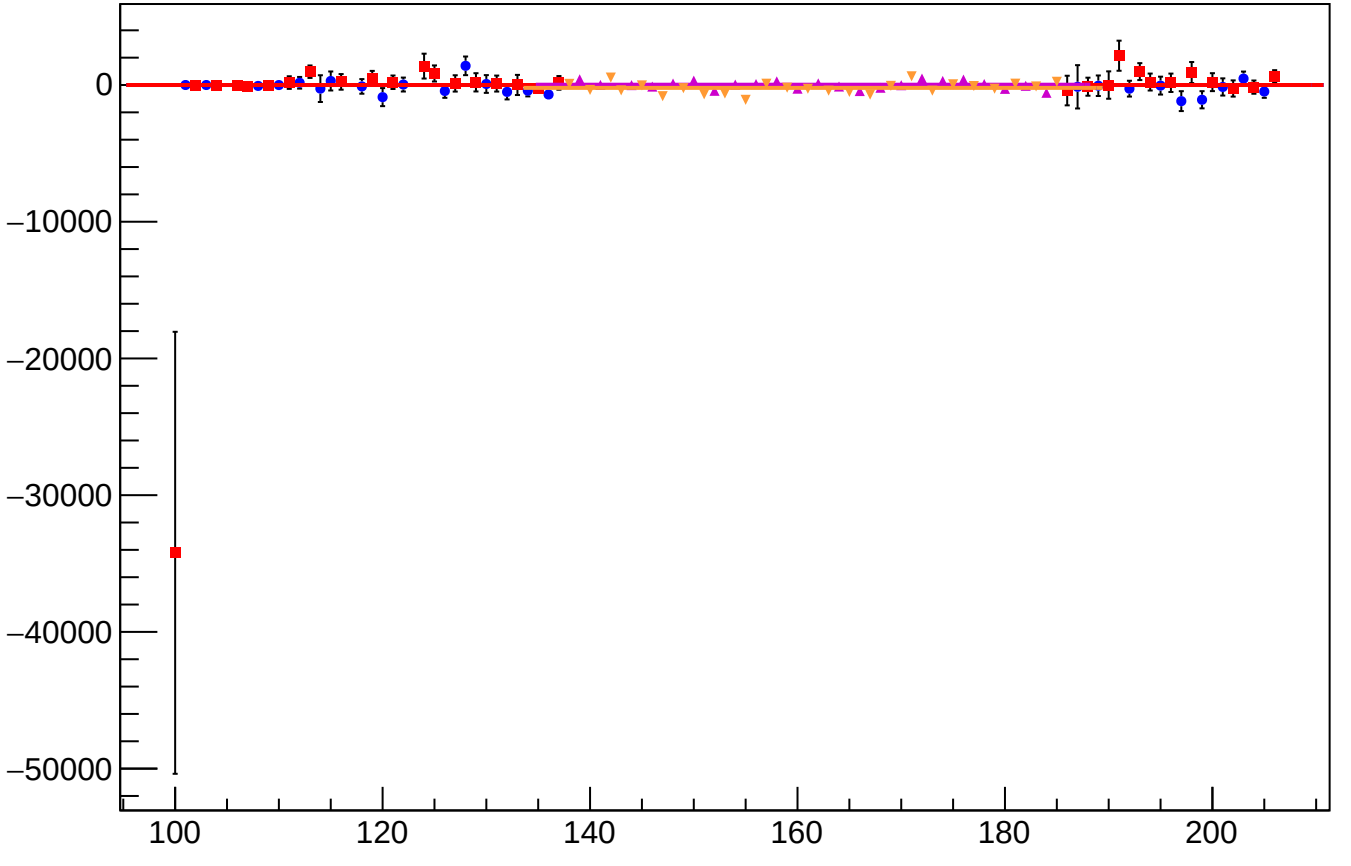
Right: 158618.872+/-22.505 χ^2/NDF: 6498617.2/51

In: 170401.544+/-22.168 χ^2/NDF:3911493.3/46

Out: 169533.632+/-21.161 χ^2/NDF:3906787.9/52

All: 169947.436+/-15.307 χ^2/NDF: 7819083.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 25.9/24

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 27.0/30

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

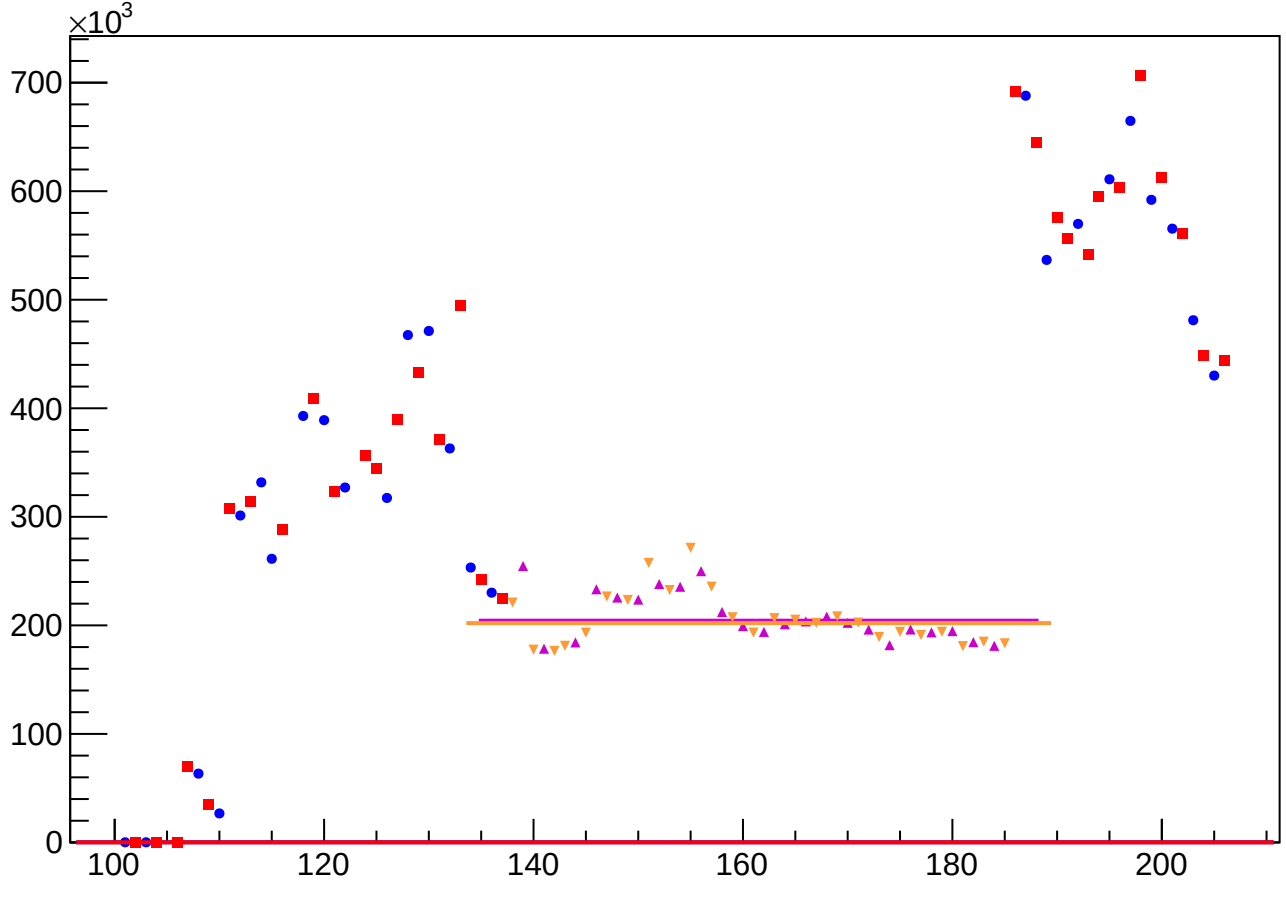
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 55.7/55

In: -0.035+/-0.172 χ^2/NDF:54.6/47

Out: 0.353+/-0.160 χ^2/NDF:108.9/55

All: 0.173+/-0.117 χ^2/NDF: 166.3/103



Right In: 149.459+/-0.122 χ^2/NDF: 24926461.9/24

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.784+/-0.113 χ^2/NDF: 29120585.8/29

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

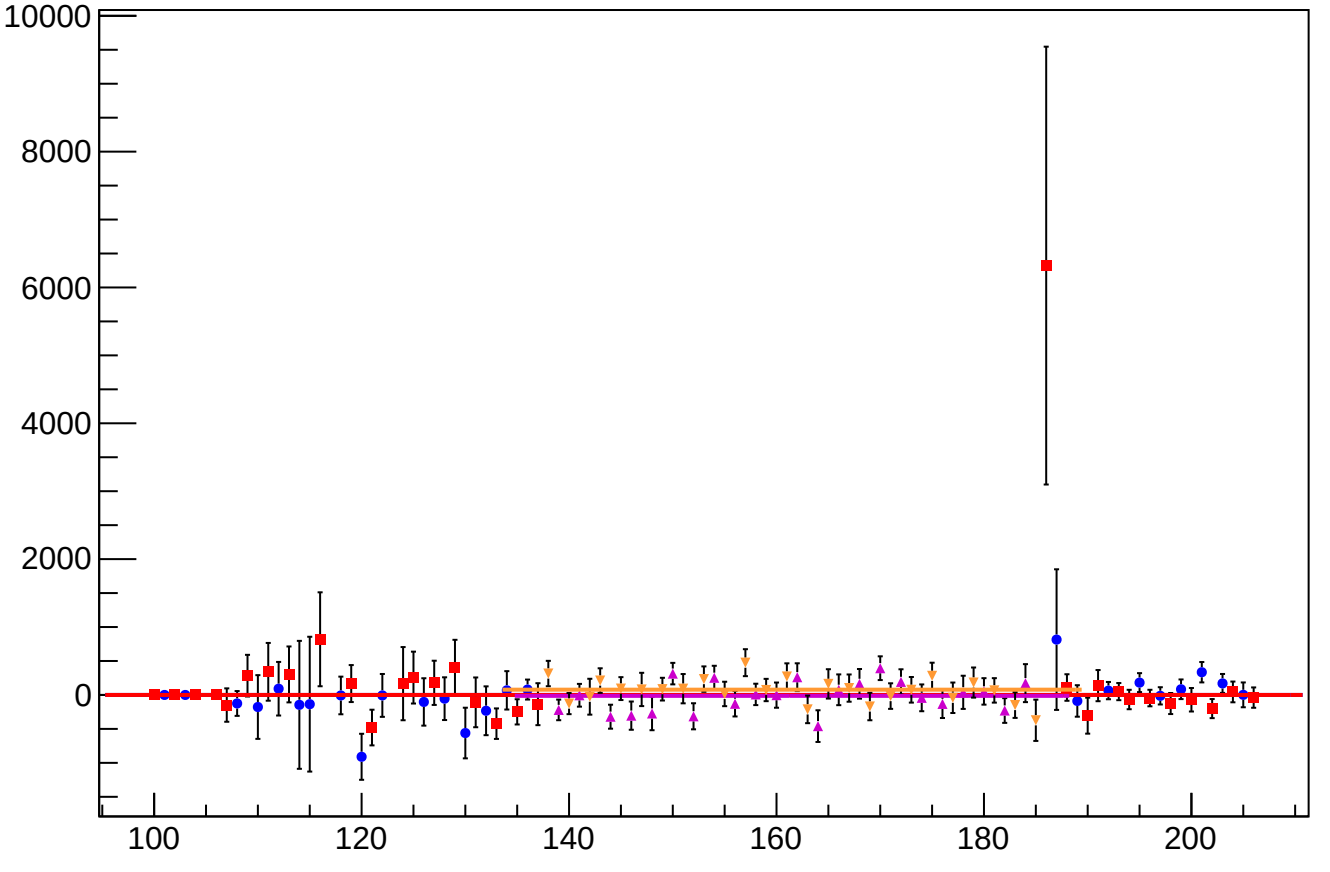
Right: 149.633+/-0.083 χ^2/NDF: 54047051.6/54

In: 152.085+/-0.122 χ^2/NDF:61429151.8/47

Out: 152.200+/-0.113 χ^2/NDF:67616270.4/54

All: 152.147+/-0.083 χ^2/NDF: 129045422.7/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/24

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 24.6/30

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

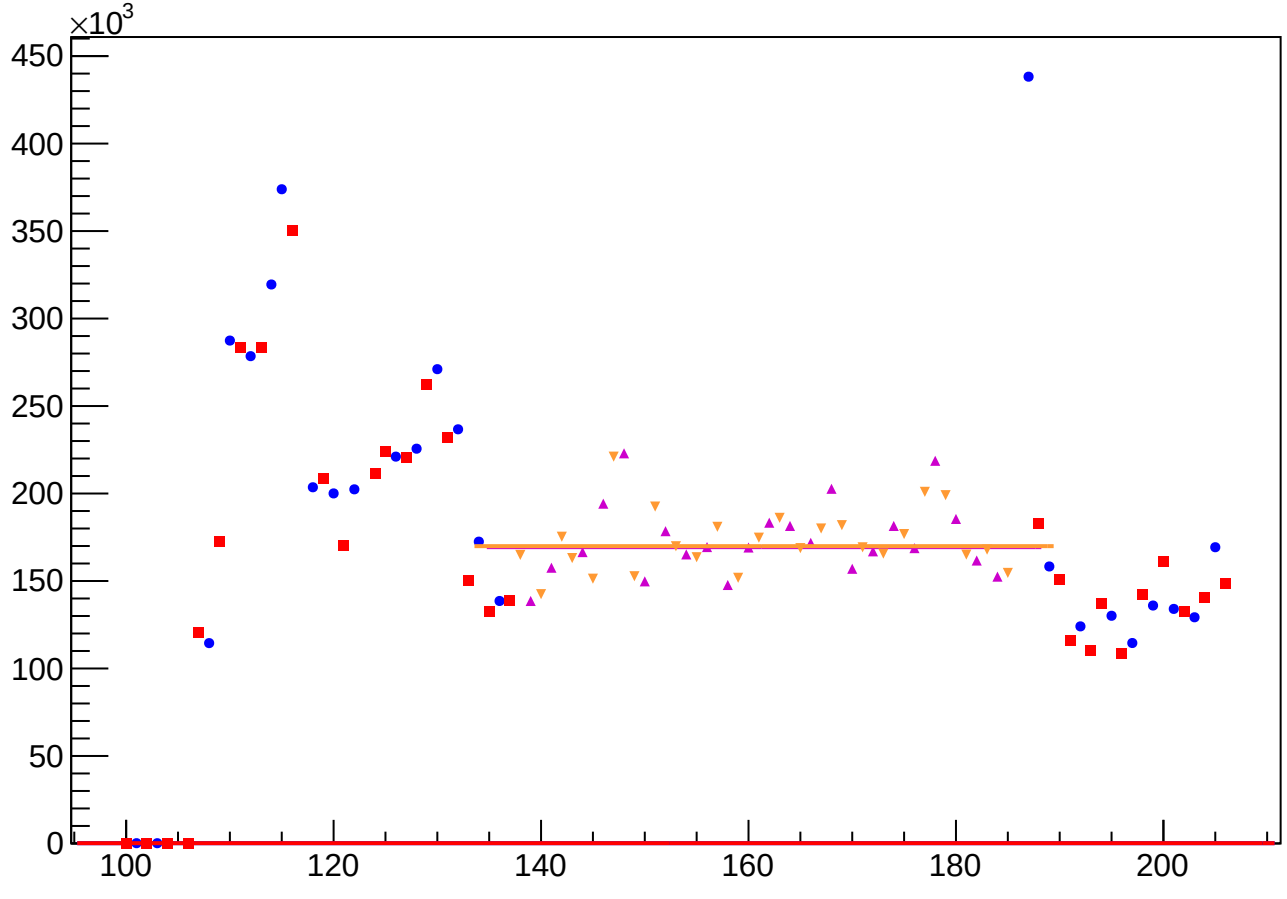
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 45.4/55

In: -0.067+/-0.177 χ^2/NDF:53.5/47

Out: -0.125+/-0.166 χ^2/NDF:47.7/55

All: -0.098+/-0.121 χ^2/NDF: 101.3/103



Right In: 154.996+/-0.125 χ^2/NDF: 25231549.5/24

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.841+/-0.118 χ^2/NDF: 28041645.2/29

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

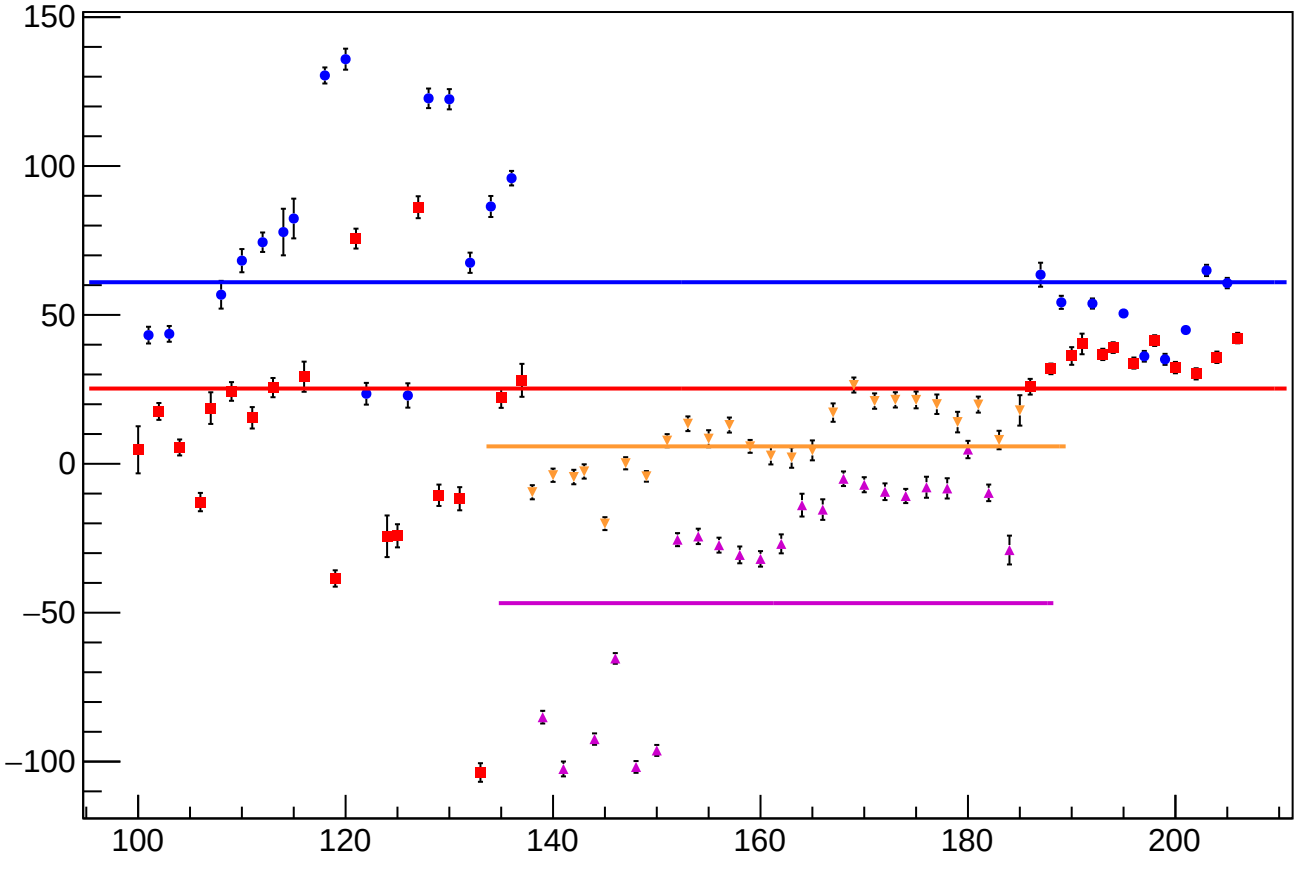
Right: 156.508+/-0.086 χ^2/NDF: 53273468.6/54

In: 158.330+/-0.125 χ^2/NDF:61616973.4/47

Out: 160.947+/-0.118 χ^2/NDF:66451902.9/54

All: 159.720+/-0.086 χ^2/NDF: 128069108.0/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 60.977+/-0.504 χ^2/NDF: 2915.3/24

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 25.274+/-0.472 χ^2/NDF: 3768.9/30

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

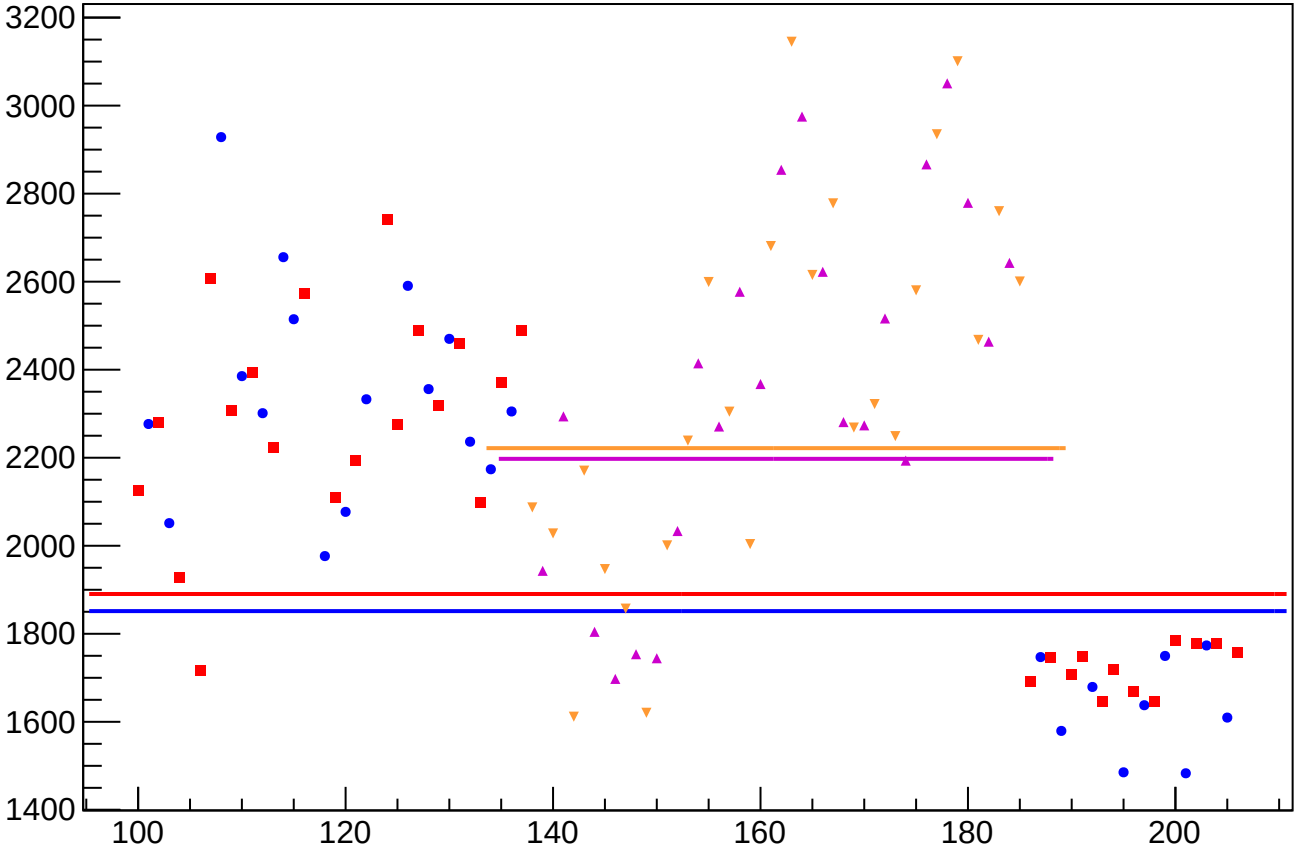
Right: 41.937+/-0.345 χ^2/NDF: 9356.5/55

In: 9.196+/-0.364 χ^2/NDF:30027.6/47

Out: 16.391+/-0.348 χ^2/NDF:5079.0/55

All: 12.955+/-0.251 χ^2/NDF: 35311.3/103

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1851.542+/-0.357 χ^2/NDF: 943594.8/24

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1890.391+/-0.334 χ^2/NDF: 675338.4/30

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

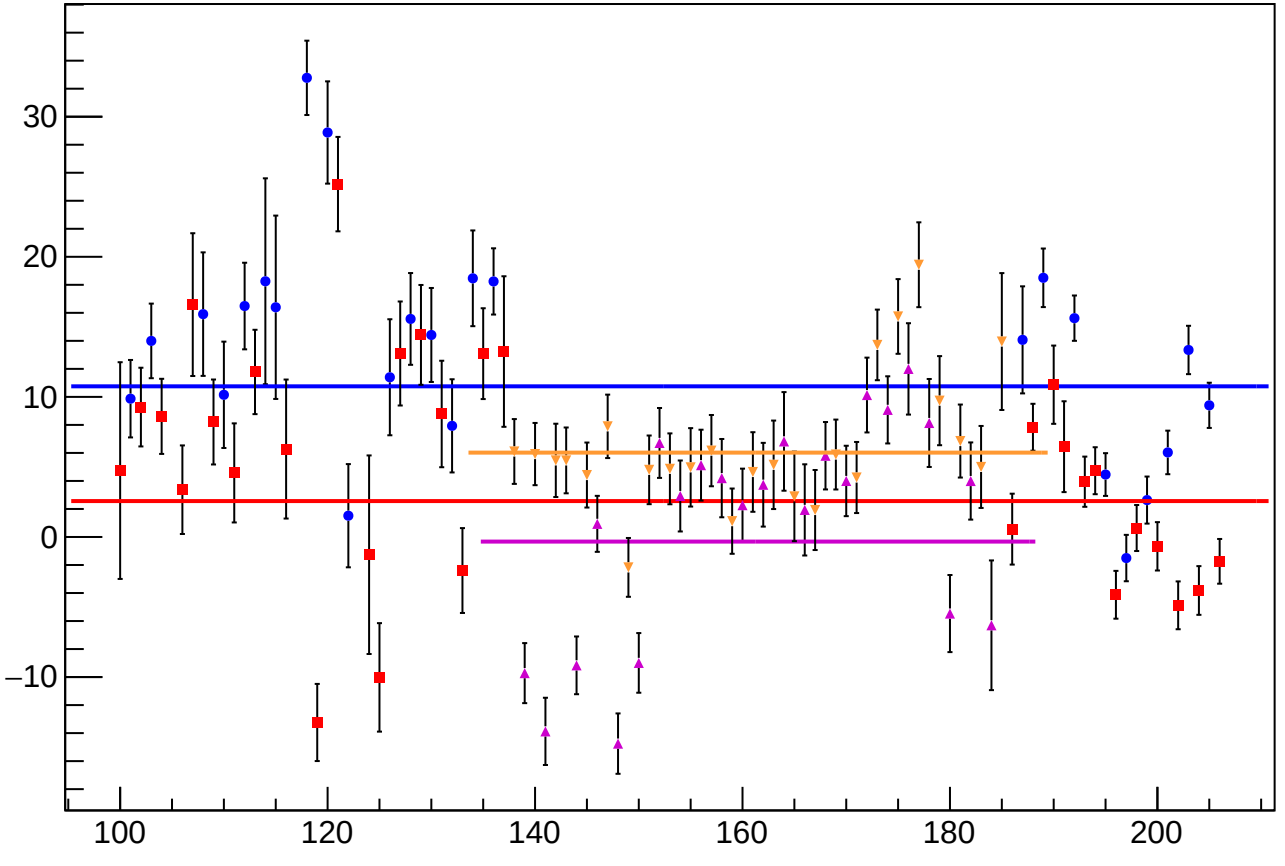
Right: 1872.260+/-0.244 χ^2/NDF: 1625261.0/55

In: 2017.748+/-0.257 χ^2/NDF:2500279.5/47

Out: 2041.939+/-0.246 χ^2/NDF:2310536.8/55

All: 2030.387+/-0.178 χ^2/NDF: 4815442.9/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.754+/-0.477 χ^2/NDF: 258.2/24

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.563+/-0.445 χ^2/NDF: 243.2/30

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

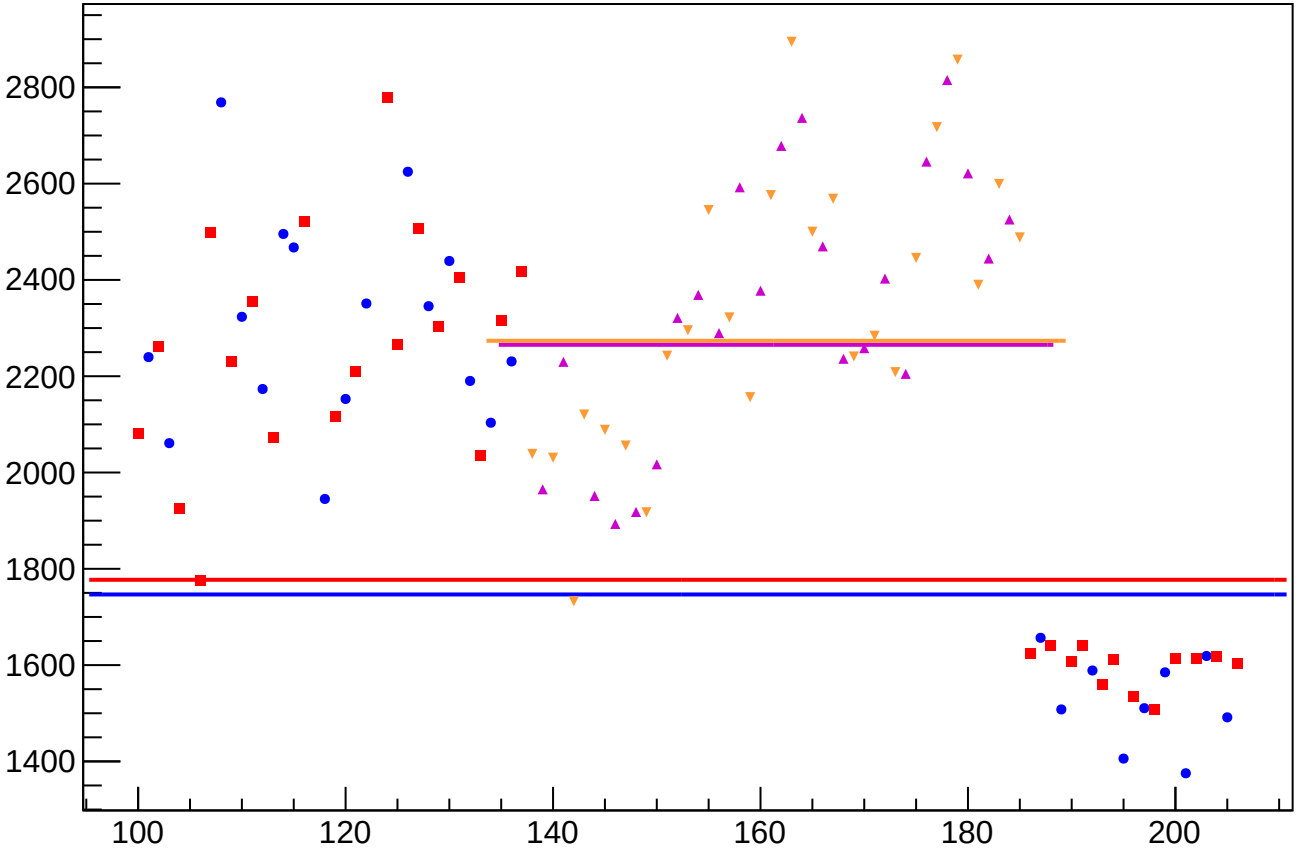
Right: 6.372+/-0.326 χ^2/NDF: 658.8/55

In: 5.837+/-0.356 χ^2/NDF:722.2/47

Out: 4.023+/-0.338 χ^2/NDF:340.4/55

All: 4.884+/-0.245 χ^2/NDF: 1076.2/103

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1746.722+/-0.338 χ^2/NDF: 1181639.8/24

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1777.209+/-0.315 χ^2/NDF: 930982.3/30

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

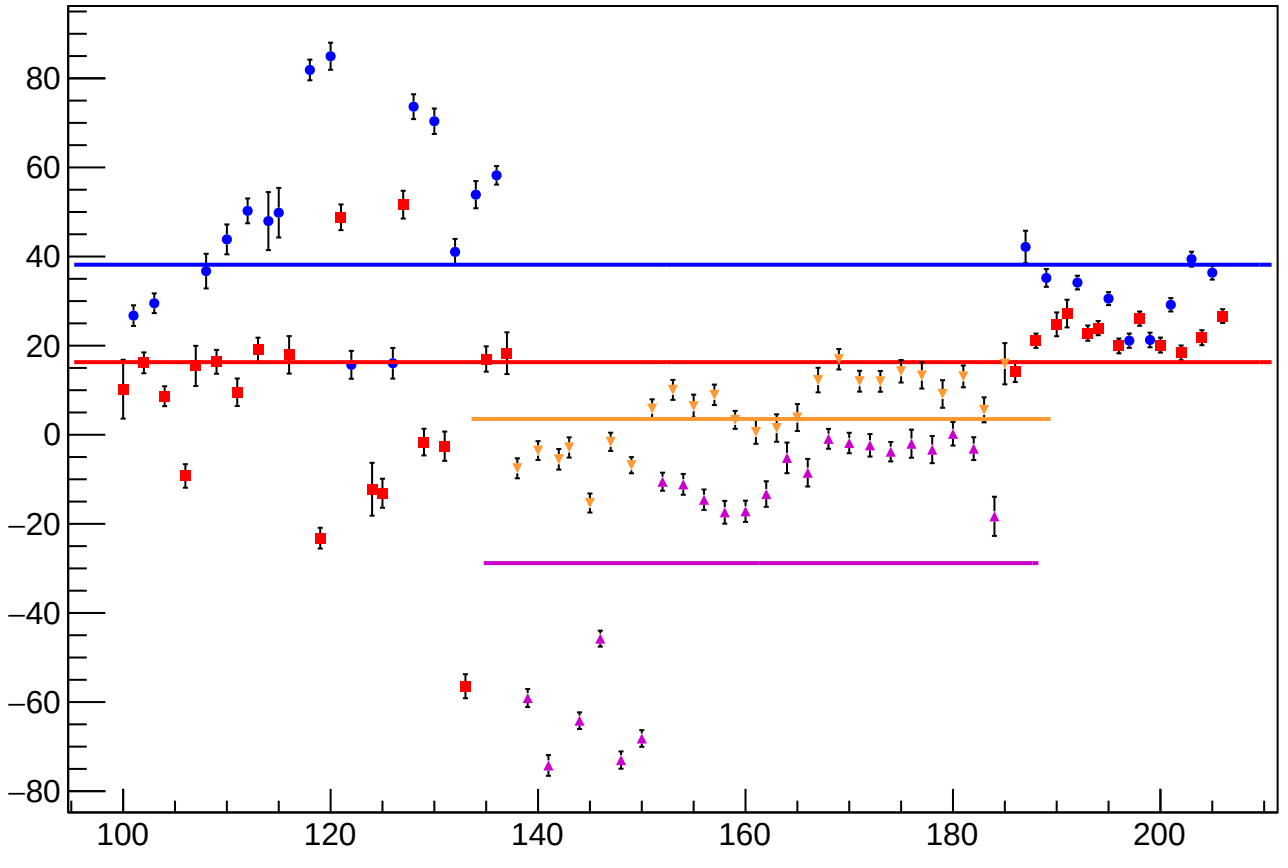
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1763.032+/-0.230 χ^2/NDF: 2116985.3/55

In: 1976.789+/-0.252 χ^2/NDF:2724310.5/47

Out: 1986.740+/-0.239 χ^2/NDF:2517777.9/55

All: 1982.018+/-0.173 χ^2/NDF: 5242909.1/10



Right In: 38.164+/-0.442 χ^2/NDF: 1456.1/24

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 16.298+/-0.413 χ^2/NDF: 1729.7/30

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

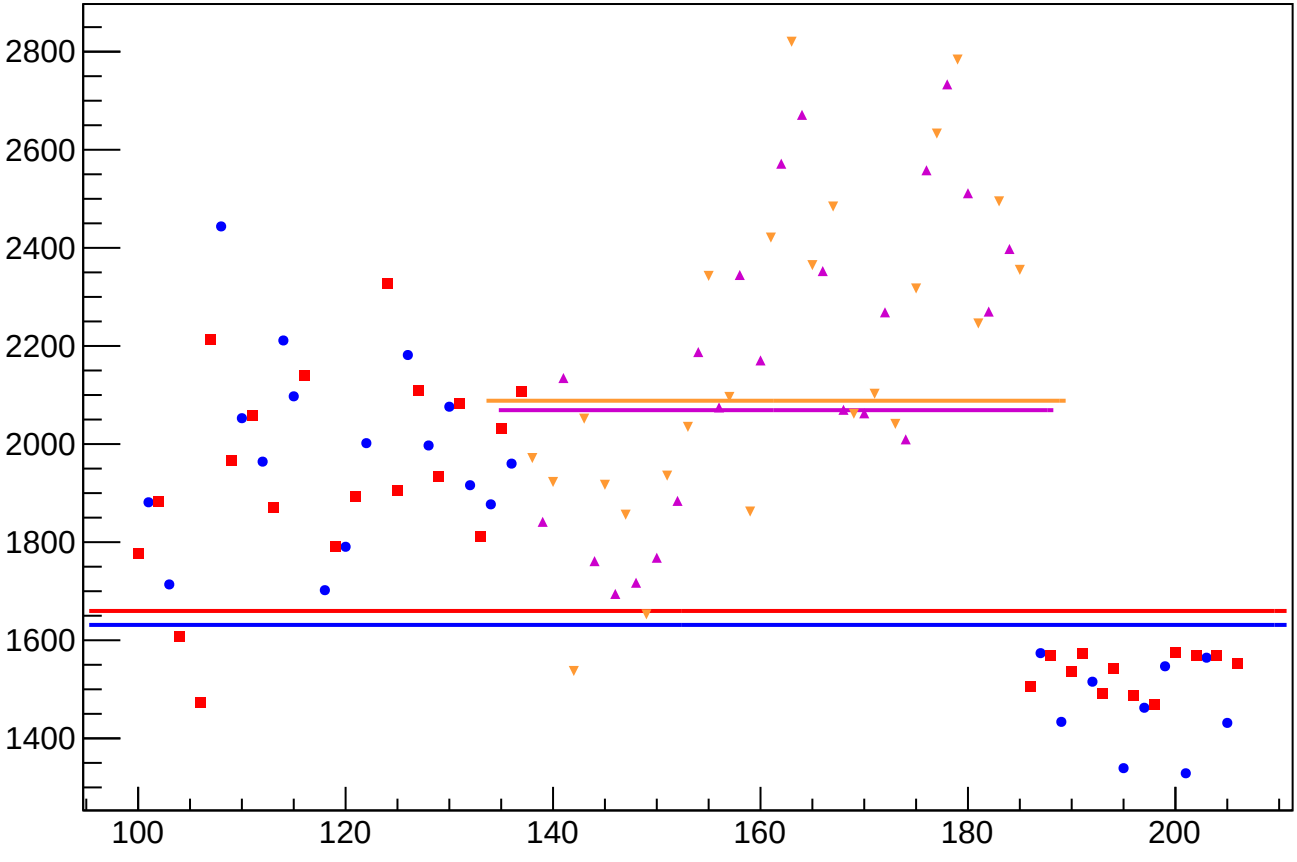
Right: 26.486+/-0.302 χ^2/NDF: 4491.9/55

In: 8.167+/-0.329 χ^2/NDF:14994.6/47

Out: 10.877+/-0.313 χ^2/NDF:2454.9/55

All: 9.587+/-0.227 χ^2/NDF: 17485.2/103

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1631.309+/-0.313 χ^2/NDF: 711453.6/24

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1659.755+/-0.292 χ^2/NDF: 492263.0/30

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

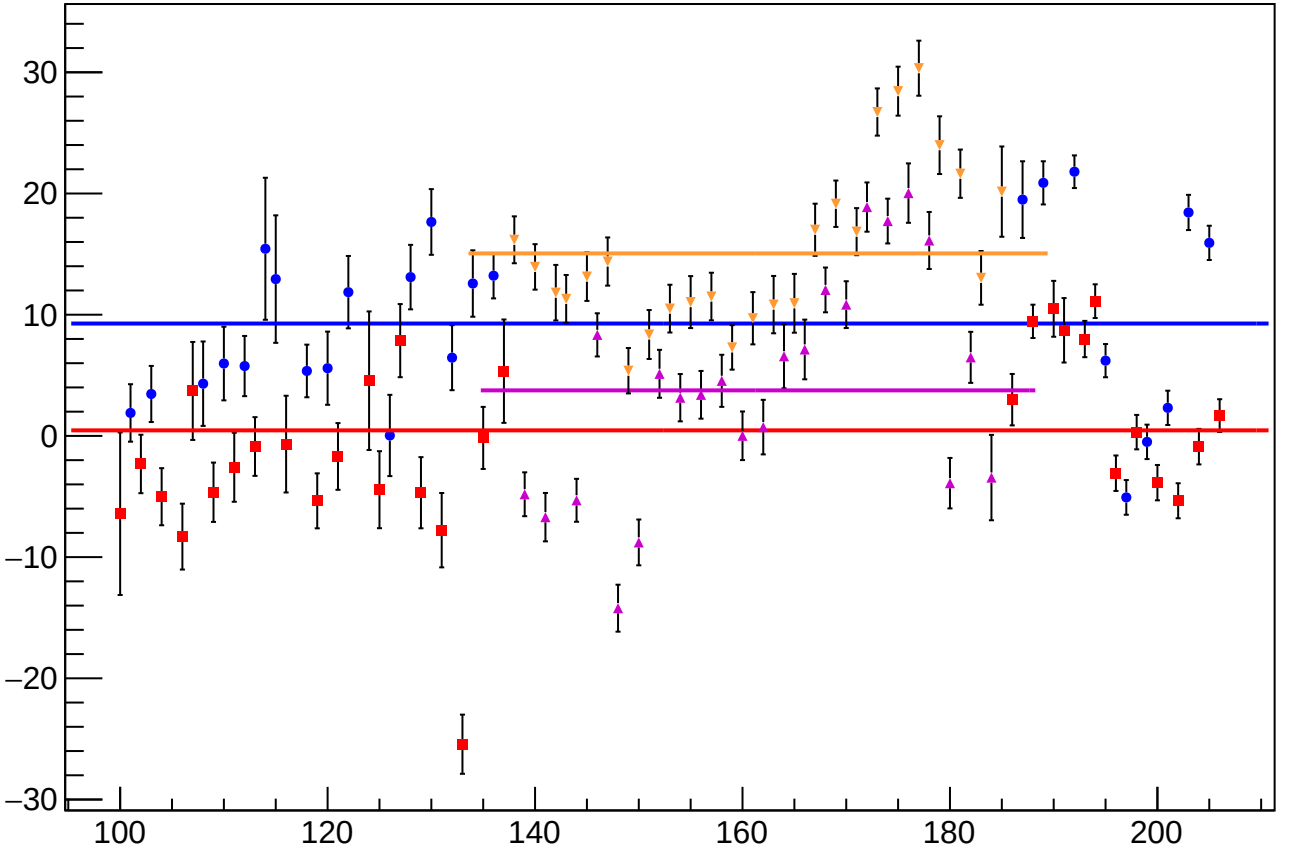
Right: 1646.500+/-0.213 χ^2/NDF: 1208137.8/55

In: 1827.414+/-0.232 χ^2/NDF:2301334.0/47

Out: 1841.947+/-0.221 χ^2/NDF:2195390.0/55

All: 1835.029+/-0.160 χ^2/NDF: 4498775.0/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 9.271+/-0.405 χ^2/NDF: 432.6/24

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.458+/-0.372 χ^2/NDF: 354.1/30

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

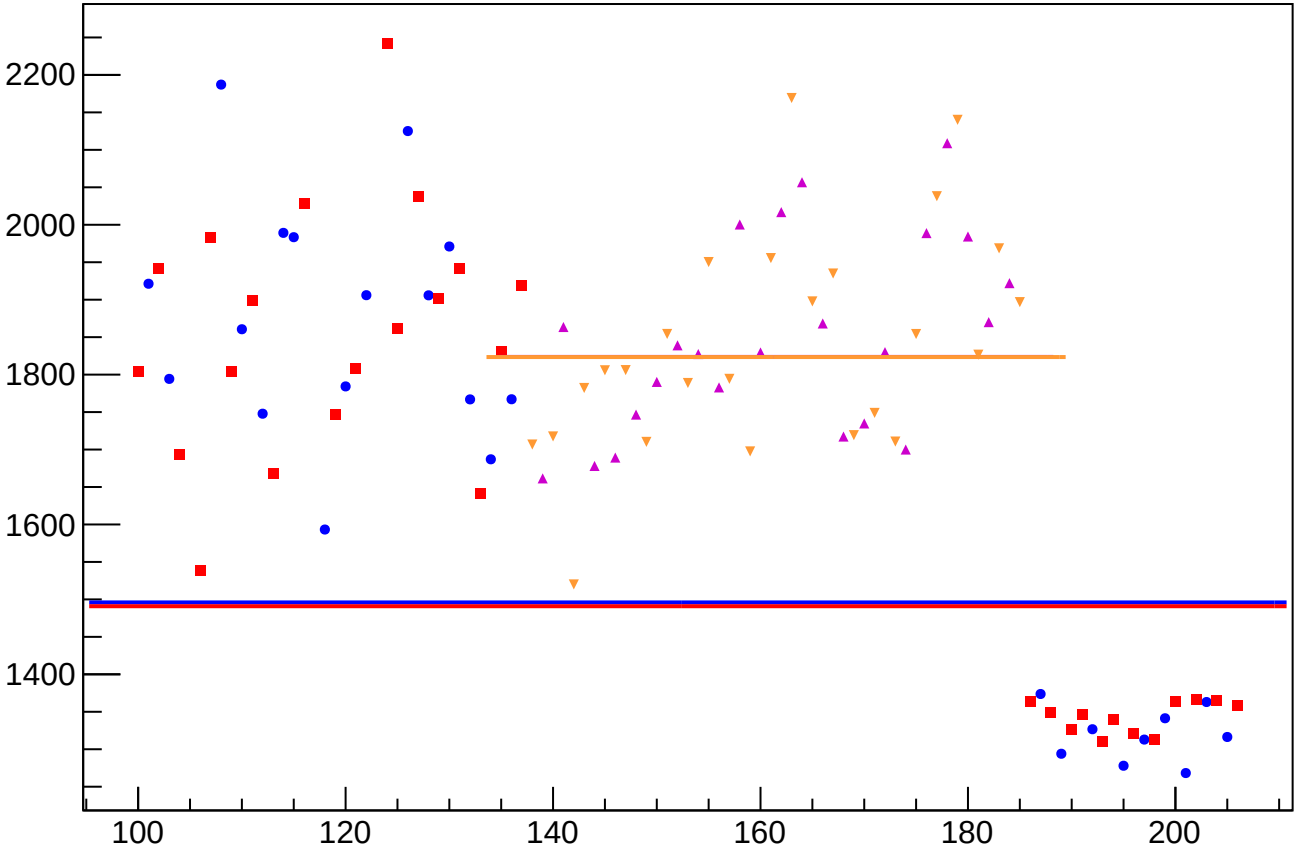
Right: 4.491+/-0.274 χ^2/NDF: 1043.5/55

In: 6.666+/-0.294 χ^2/NDF:979.2/47

Out: 6.951+/-0.277 χ^2/NDF:1285.1/55

All: 6.816+/-0.202 χ^2/NDF: 2264.8/103

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1495.961+/-0.286 χ^2/NDF: 836524.0/24

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1490.877+/-0.263 χ^2/NDF: 784193.5/30

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

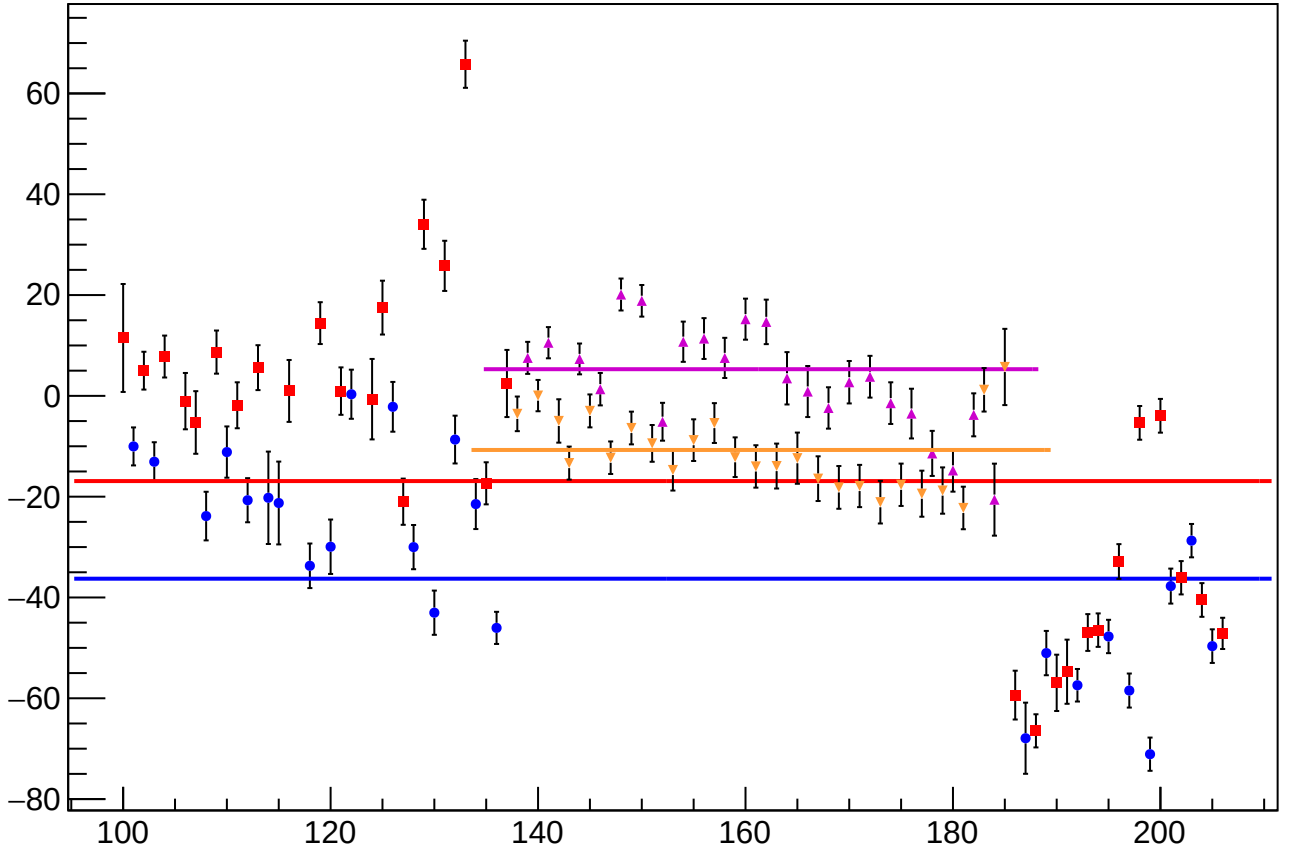
Right: 1493.204+/-0.194 χ^2/NDF: 1620888.4/55

In: 1650.827+/-0.208 χ^2/NDF:1618993.5/47

Out: 1638.787+/-0.196 χ^2/NDF:1706301.6/55

All: 1644.451+/-0.143 χ^2/NDF: 3327070.0/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -36.274+/-0.829 χ^2/NDF: 559.2/24

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -16.906+/-0.769 χ^2/NDF: 1555.2/30

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

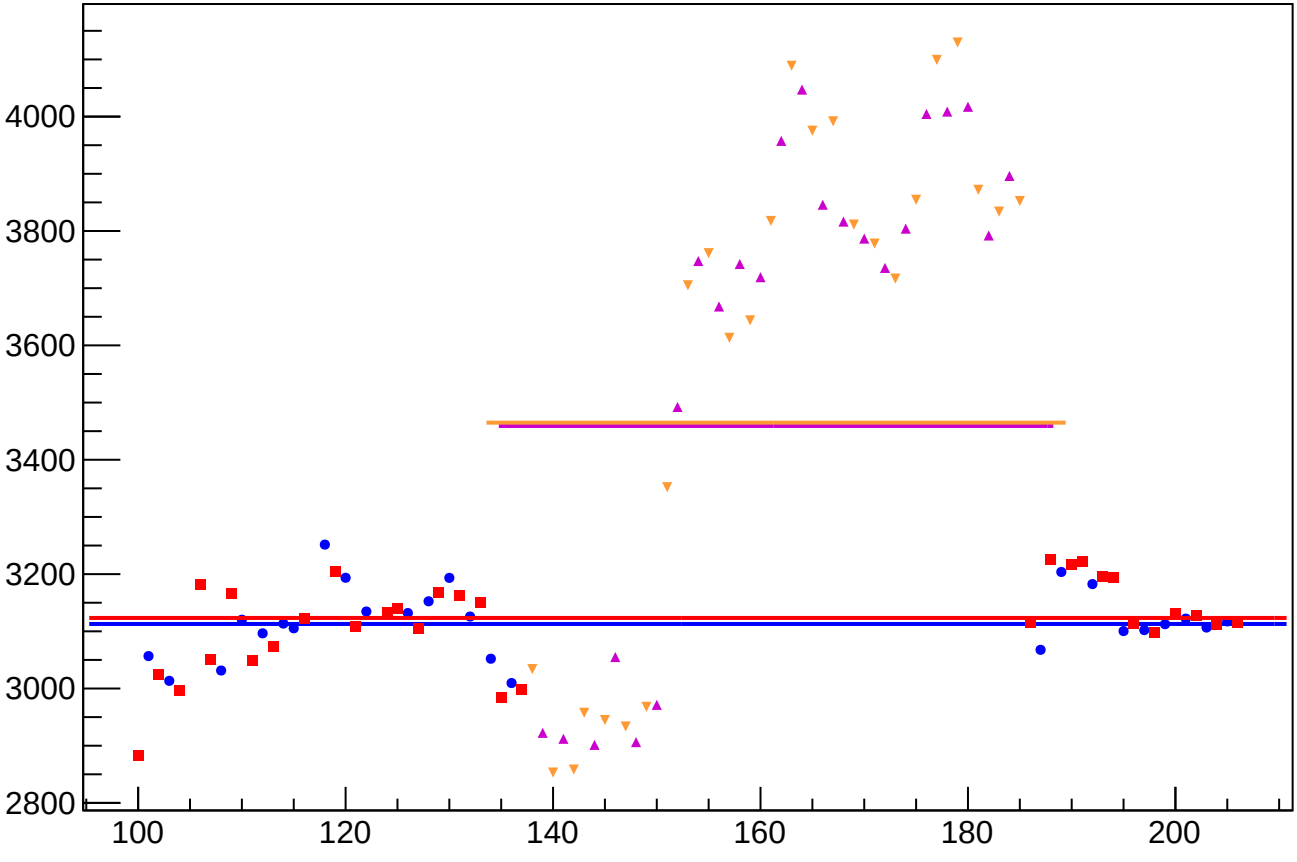
Right: -25.870+/-0.564 χ^2/NDF: 2408.0/55

In: -15.129+/-0.581 χ^2/NDF:1972.8/47

Out: -13.916+/-0.552 χ^2/NDF:1660.2/55

All: -14.493+/-0.400 χ^2/NDF: 3635.3/103

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3112.867+/-0.586 χ^2/NDF: 10051.9/24

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.399+/-0.544 χ^2/NDF: 14693.6/30

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

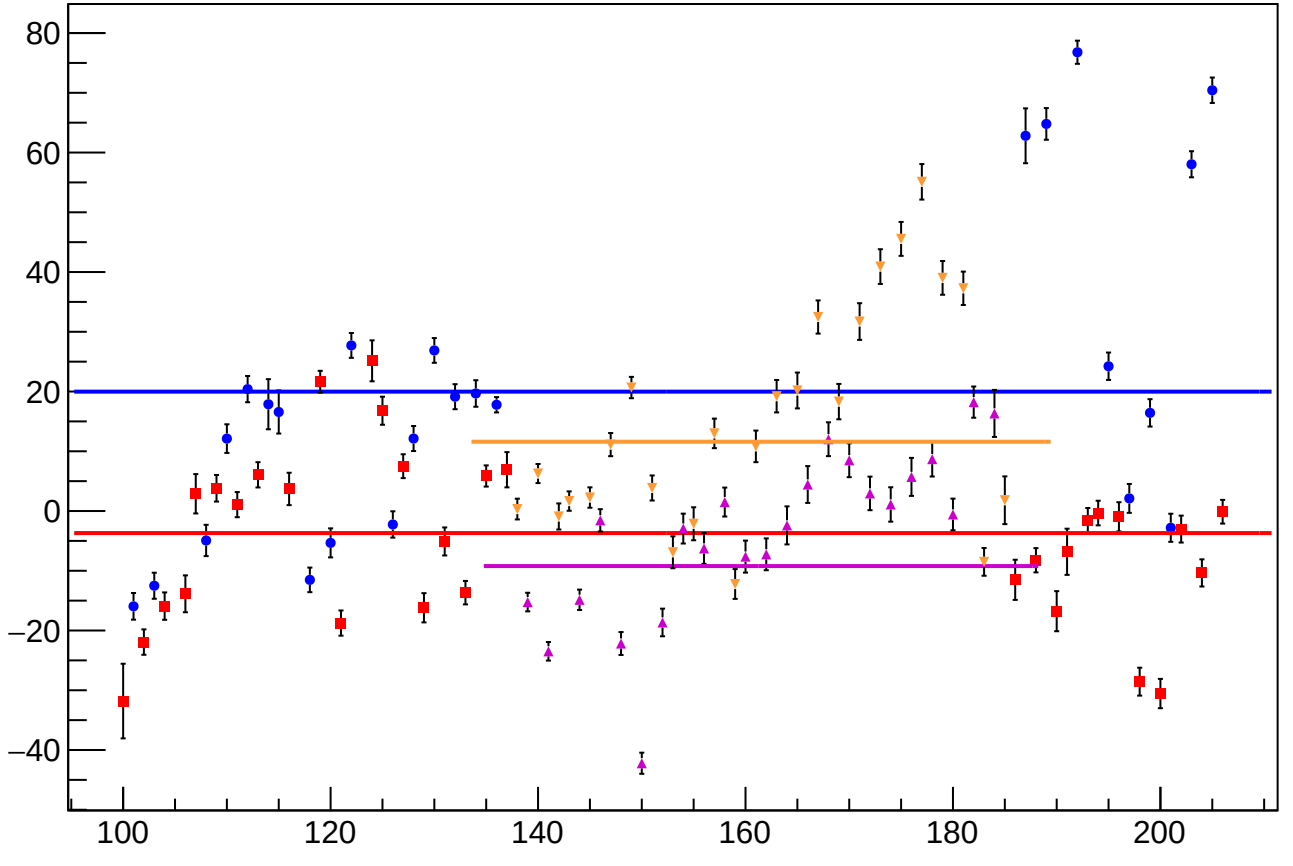
Right: 3118.525+/-0.399 χ^2/NDF: 24919.0/55

In: 3288.975+/-0.411 χ^2/NDF:770942.6/47

Out: 3288.761+/-0.391 χ^2/NDF:849641.9/55

All: 3288.863+/-0.283 χ^2/NDF: 1620584.6/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 19.982+/-0.446 χ^2/NDF: 3323.9/24

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.688+/-0.422 χ^2/NDF: 975.0/30

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

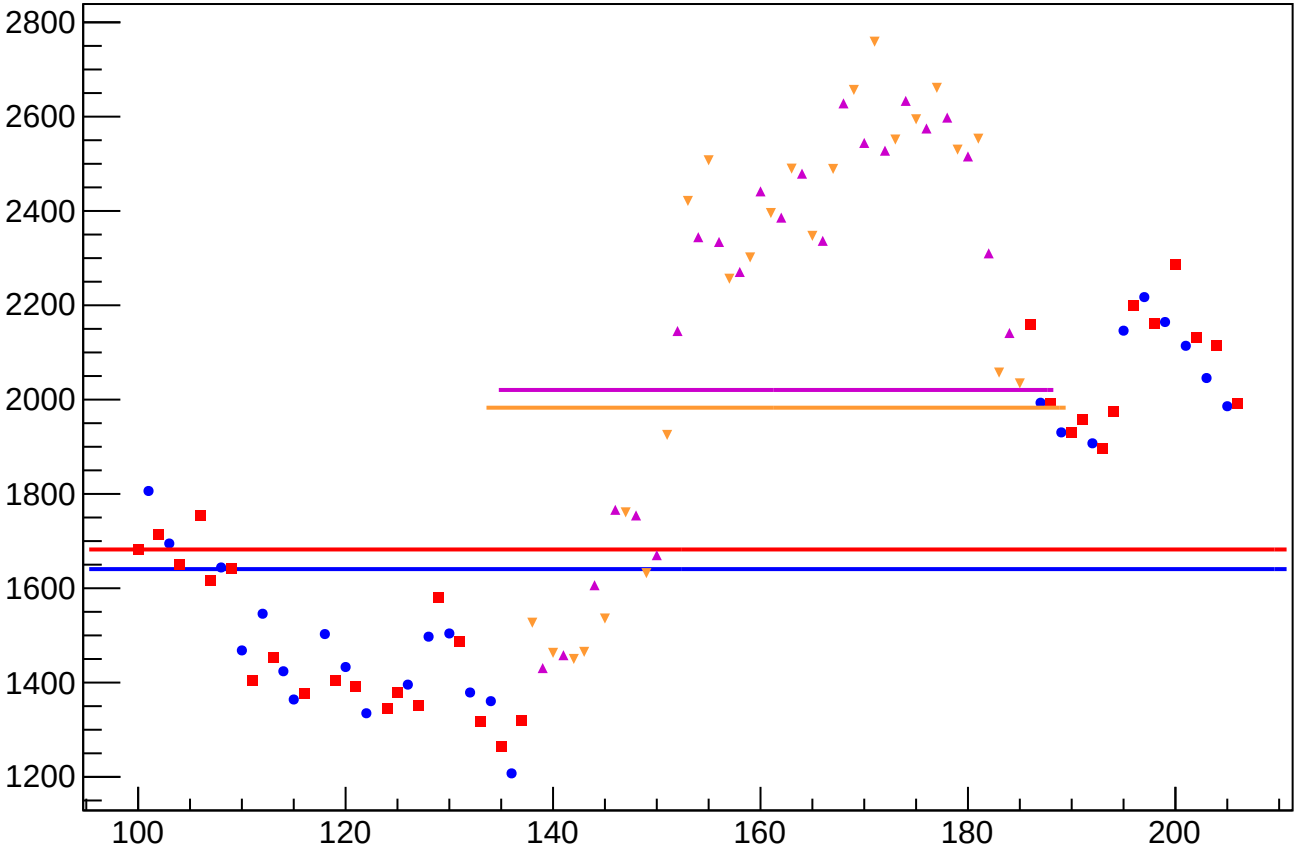
Right: 7.511+/-0.307 χ^2/NDF: 5784.2/55

In: 6.576+/-0.328 χ^2/NDF:6233.8/47

Out: 3.250+/-0.312 χ^2/NDF:2766.3/55

All: 4.832+/-0.226 χ^2/NDF: 9054.1/103

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1640.603+/-0.315 χ^2/NDF: 1035125.8/24

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1682.234+/-0.299 χ^2/NDF: 1170579.5/30

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

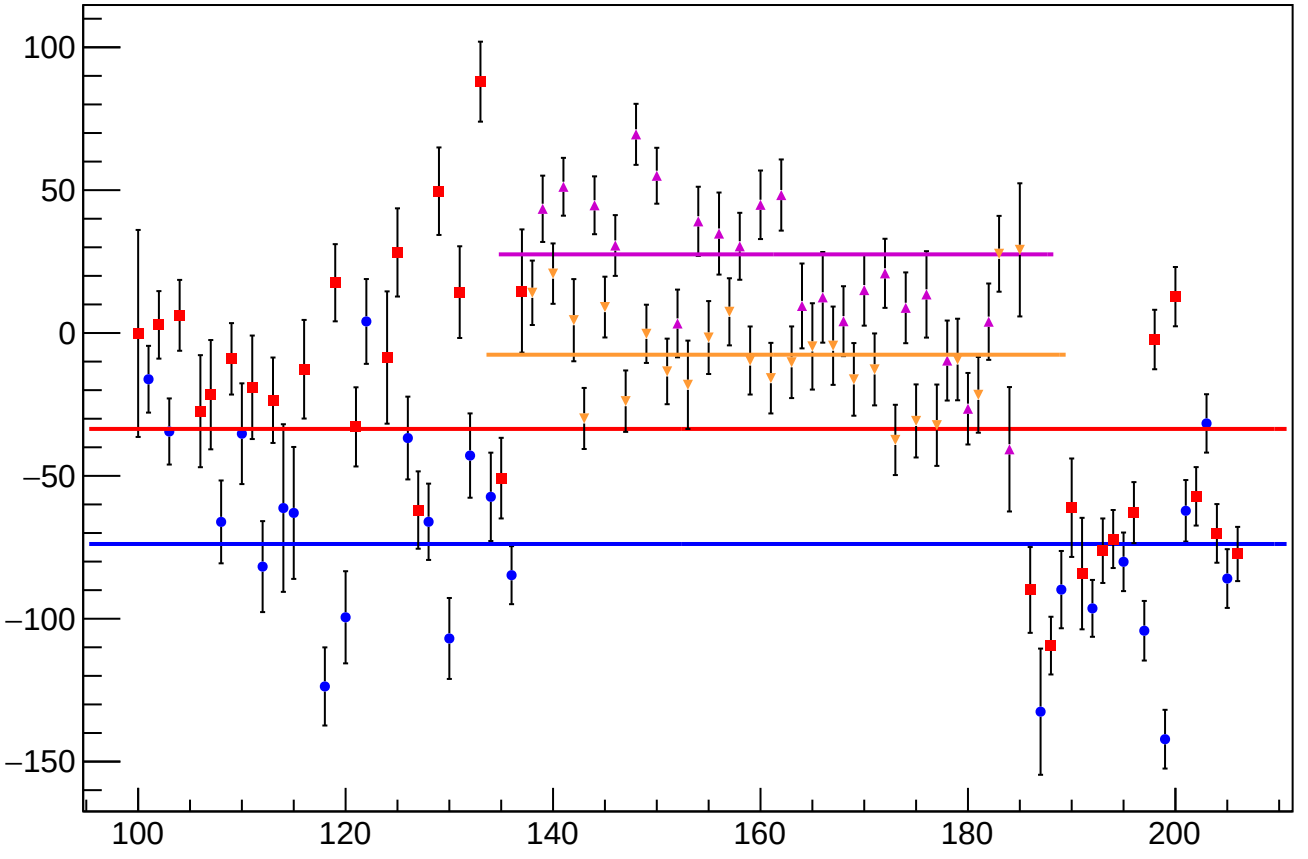
Right: 1662.536+/-0.217 χ^2/NDF: 2214894.6/55

In: 1815.027+/-0.232 χ^2/NDF:3316618.0/47

Out: 1818.686+/-0.221 χ^2/NDF:3607936.4/55

All: 1816.946+/-0.160 χ^2/NDF: 6924685.1/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.841+/-2.575 χ^2/NDF: 190.3/24

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -33.570+/-2.391 χ^2/NDF: 368.0/30

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

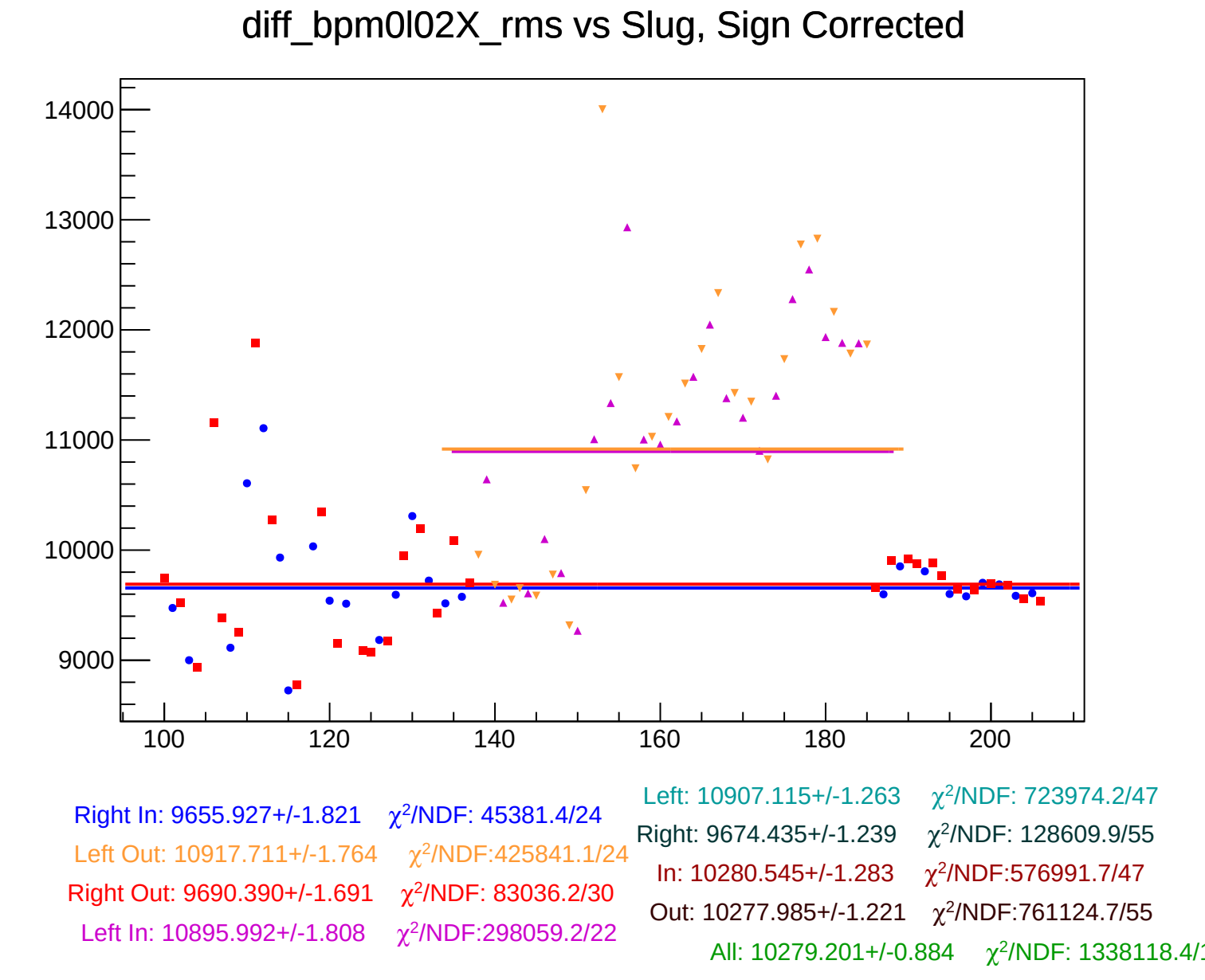
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -52.214+/-1.752 χ^2/NDF: 689.5/55

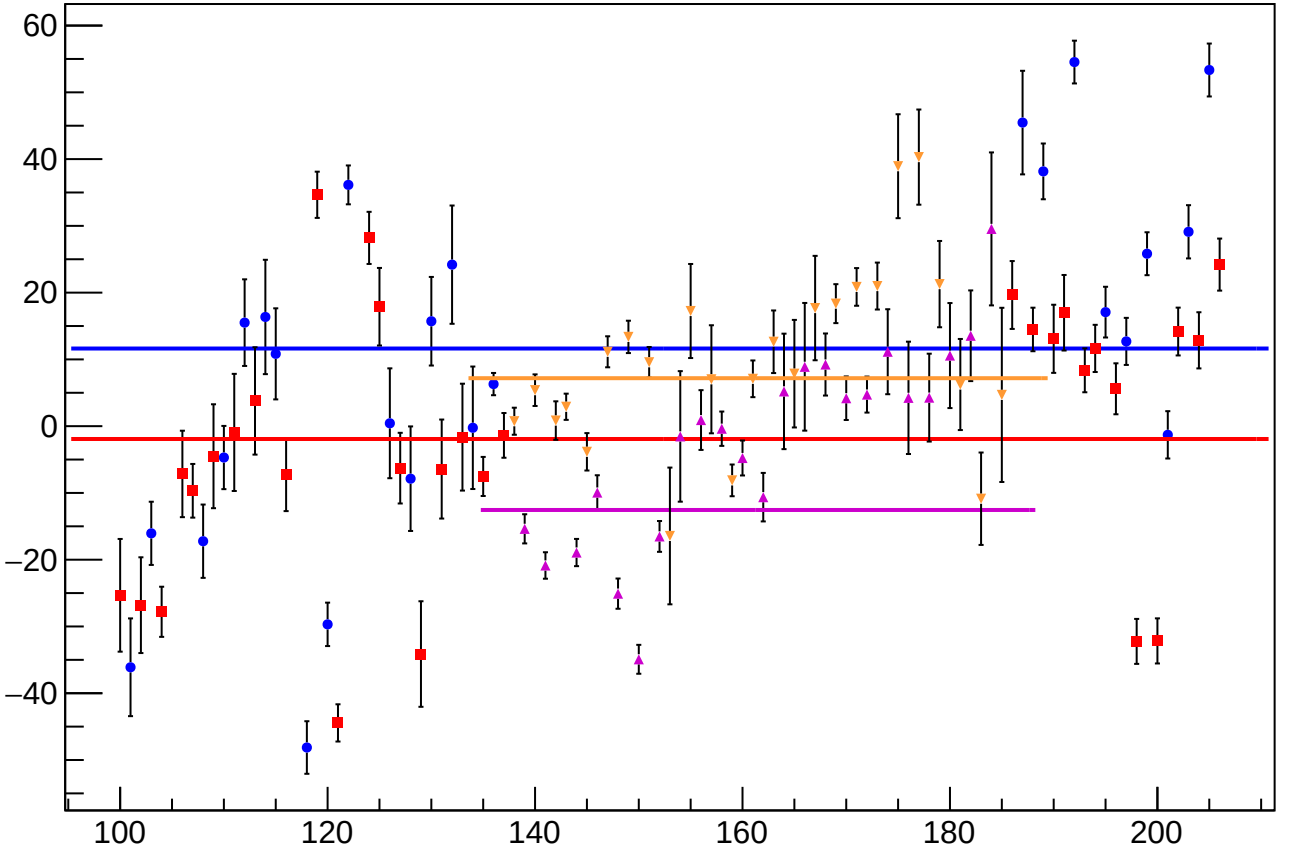
In: -22.782+/-1.814 χ^2/NDF:1063.6/47

Out: -21.134+/-1.726 χ^2/NDF:472.4/55

All: -21.917+/-1.251 χ^2/NDF: 1536.4/103


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
120
140
160
180
200
Right In: 9655.927+/-1.821 χ²/NDF: 45381.4/24
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9690.390+/-1.691 χ²/NDF: 83036.2/30
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9674.435+/-1.239 χ²/NDF: 128609.9/55
In: 10280.545+/-1.283 χ²/NDF:576991.7/47
Out: 10277.985+/-1.221 χ²/NDF:761124.7/55
All: 10279.201+/-0.884 χ²/NDF: 1338118.4/

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 11.629+/-0.806 χ^2/NDF: 1005.7/24

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -1.921+/-0.770 χ^2/NDF: 840.0/30

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

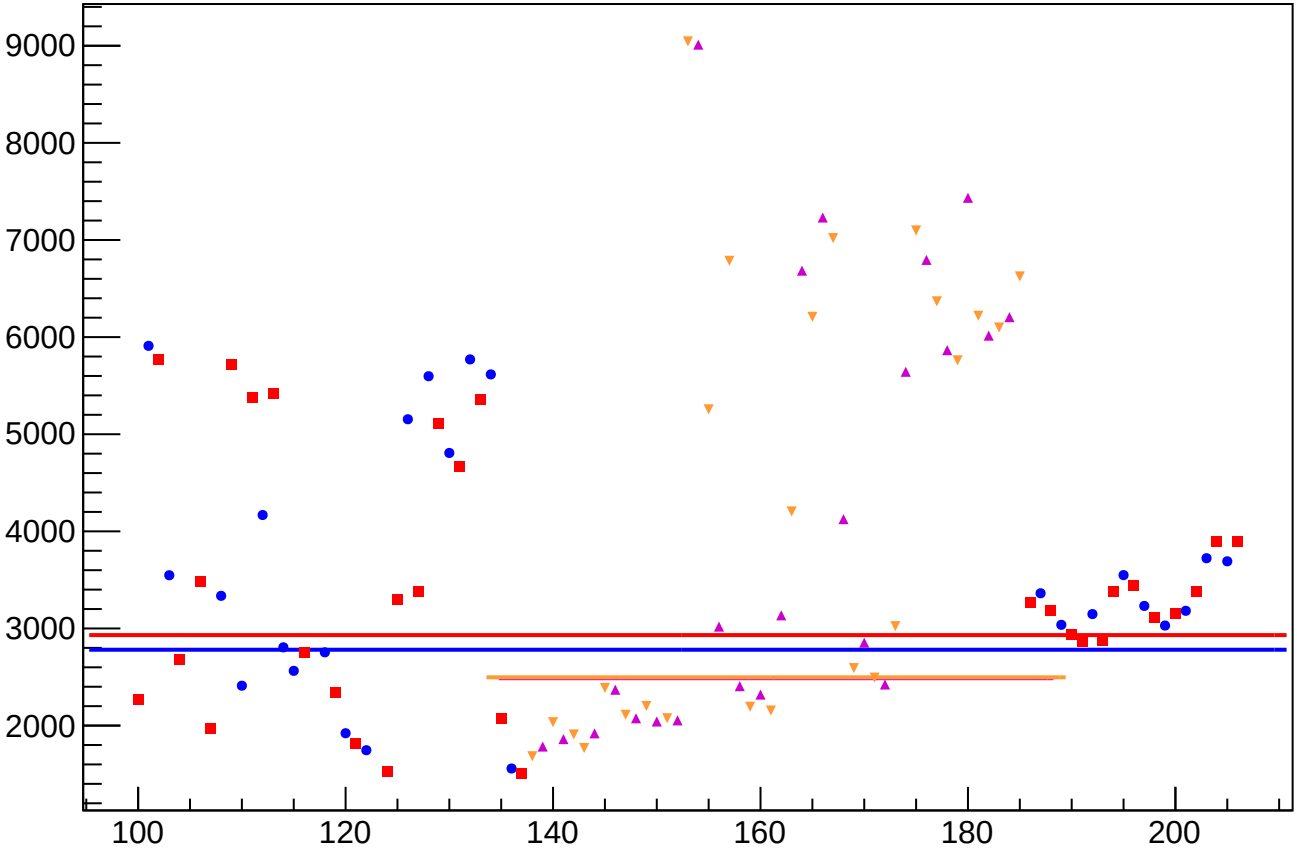
Right: 4.544+/-0.557 χ^2/NDF: 1993.5/55

In: -2.837+/-0.511 χ^2/NDF:1916.3/47

Out: 3.371+/-0.498 χ^2/NDF:1123.0/55

All: 0.344+/-0.357 χ^2/NDF: 3114.9/103

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2781.001+/-0.570 χ^2/NDF: 3457822.9/24

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2931.864+/-0.544 χ^2/NDF: 3072418.8/30

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

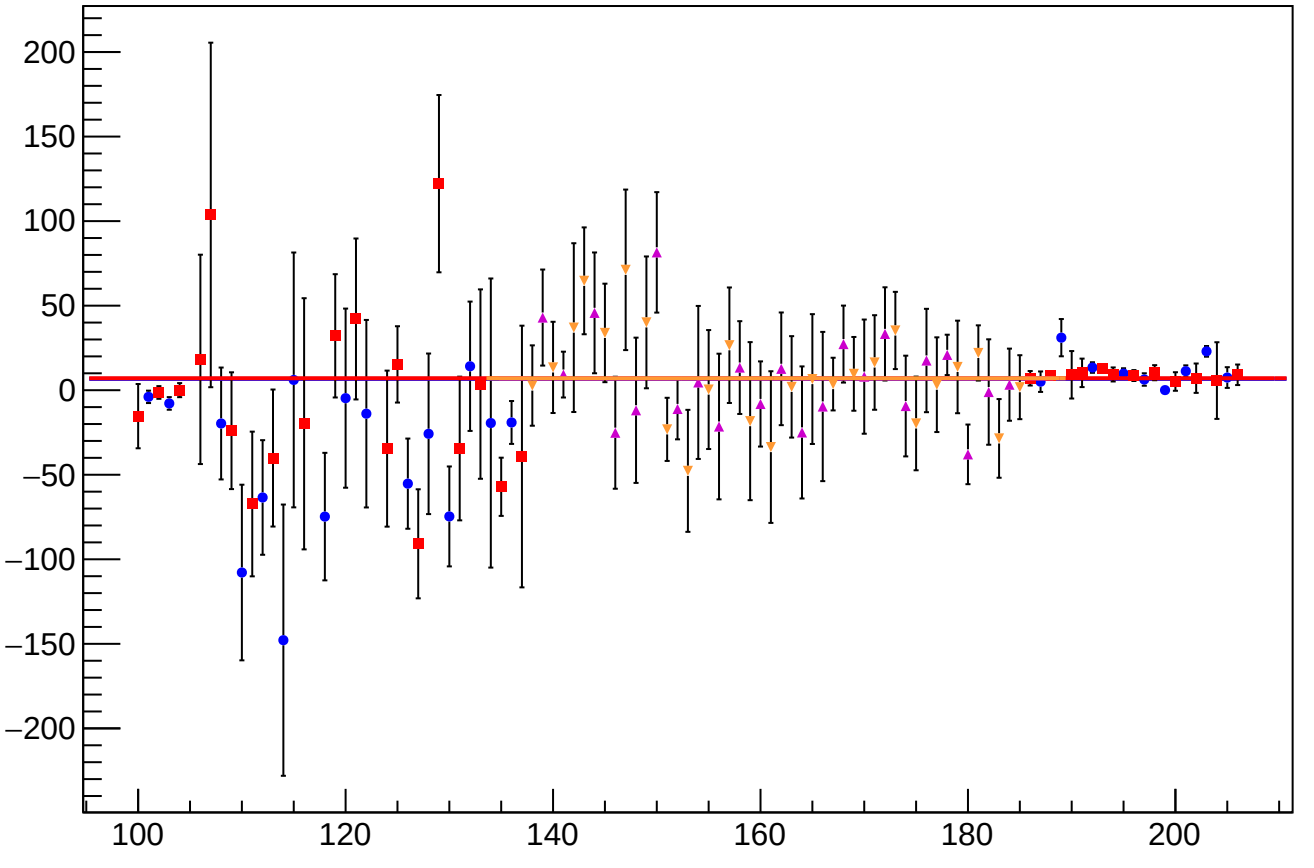
Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

Right: 2859.888+/-0.394 χ^2/NDF: 6566879.8/55

In: 2605.550+/-0.361 χ^2/NDF:9719697.9/47

Out: 2679.031+/-0.352 χ^2/NDF:10649394.1/55

All: 2643.209+/-0.252 χ^2/NDF: 20390296.3/



Right In: 6.698+/-1.119 χ^2/NDF: 103.6/24

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 7.071+/-1.161 χ^2/NDF: 52.8/30

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

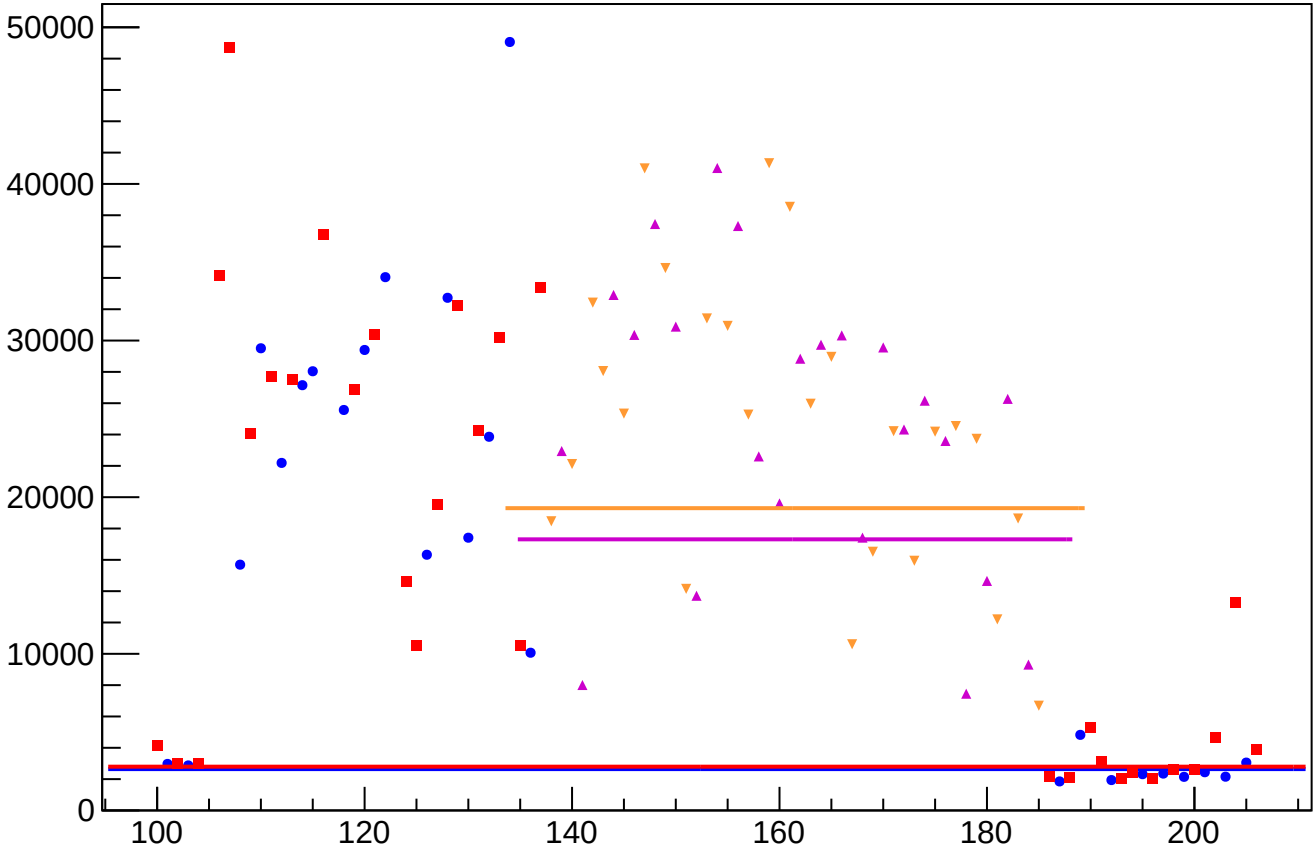
Right: 6.877+/-0.806 χ^2/NDF: 156.5/55

In: 6.709+/-1.092 χ^2/NDF:124.7/47

Out: 7.070+/-1.134 χ^2/NDF:72.4/55

All: 6.883+/-0.787 χ^2/NDF: 197.1/103

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2640.807+/-0.791 χ^2/NDF: 7928594.9/24

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2795.082+/-0.821 χ^2/NDF: 9402062.9/30

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

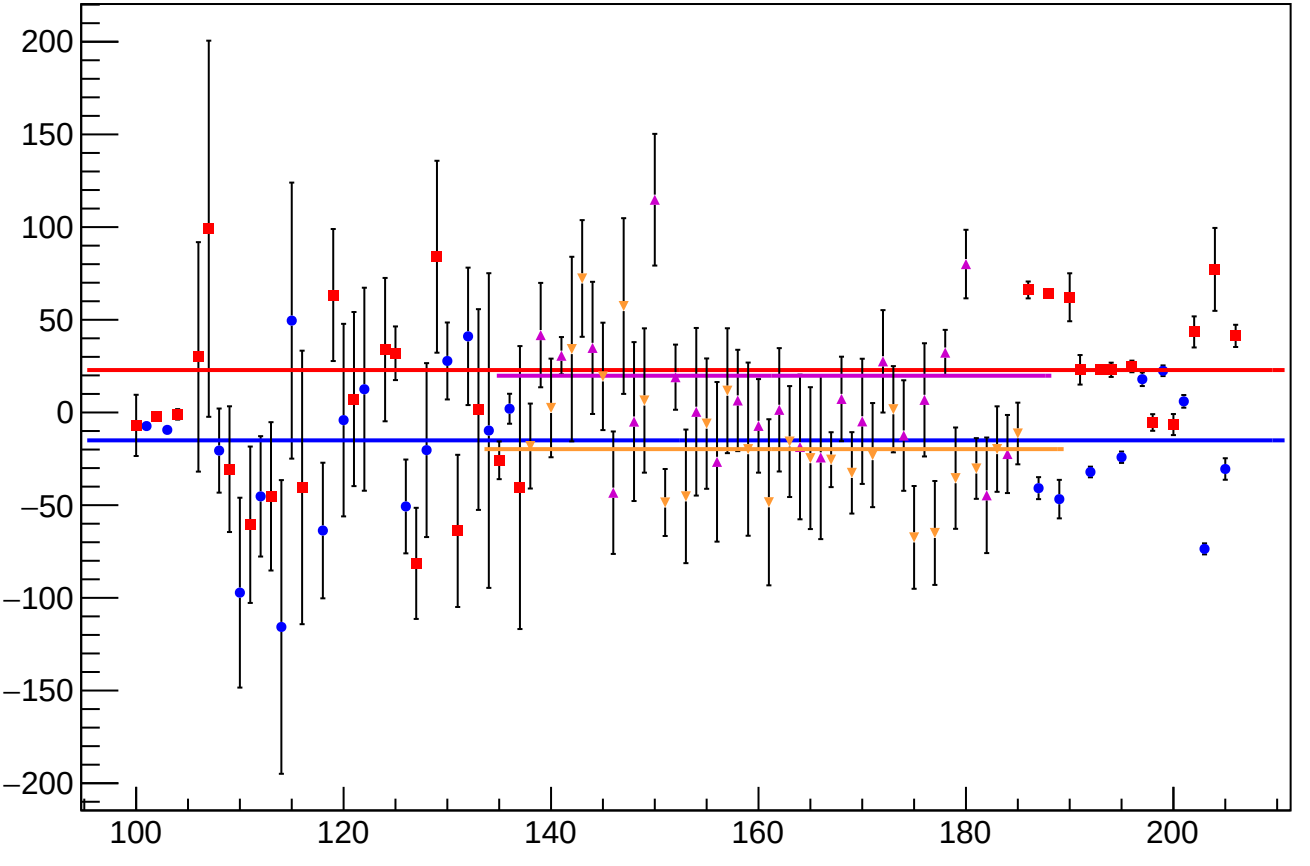
Right: 2715.060+/-0.570 χ^2/NDF: 17348970.3/55

In: 3316.385+/-0.772 χ^2/NDF:30489915.4/47

Out: 3571.112+/-0.802 χ^2/NDF:33437578.2/55

All: 3439.051+/-0.556 χ^2/NDF: 63979855.3/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -15.042+/-0.988 χ^2/NDF: 786.6/24

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.885+/-1.022 χ^2/NDF: 675.6/30

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

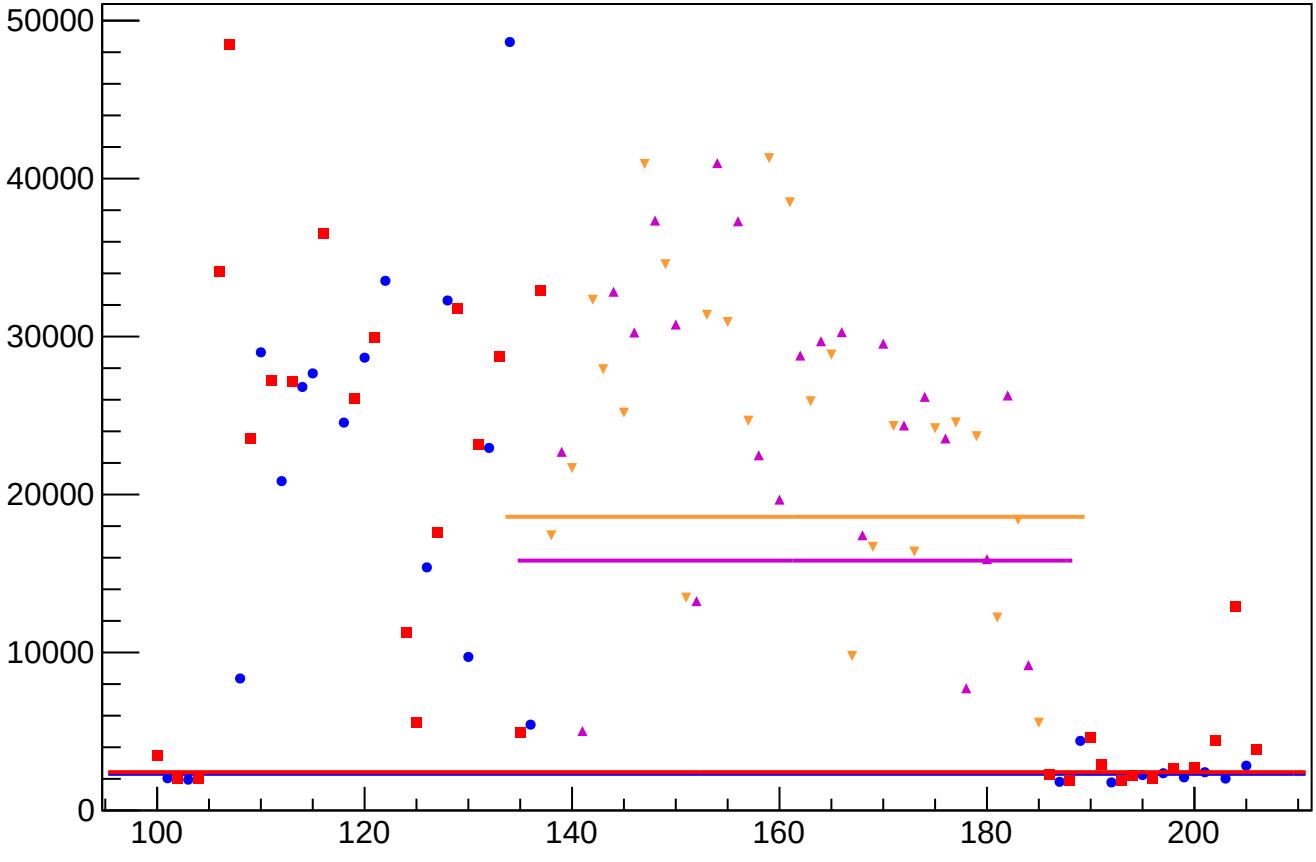
Right: 3.282+/-0.710 χ^2/NDF: 2174.3/55

In: -13.651+/-0.968 χ^2/NDF:876.6/47

Out: 21.250+/-1.002 χ^2/NDF:770.2/55

All: 3.197+/-0.696 χ^2/NDF: 2274.3/103

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2319.057+/-0.699 χ^2/NDF: 7063529.0/24

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2423.345+/-0.723 χ^2/NDF: 9010577.4/30

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

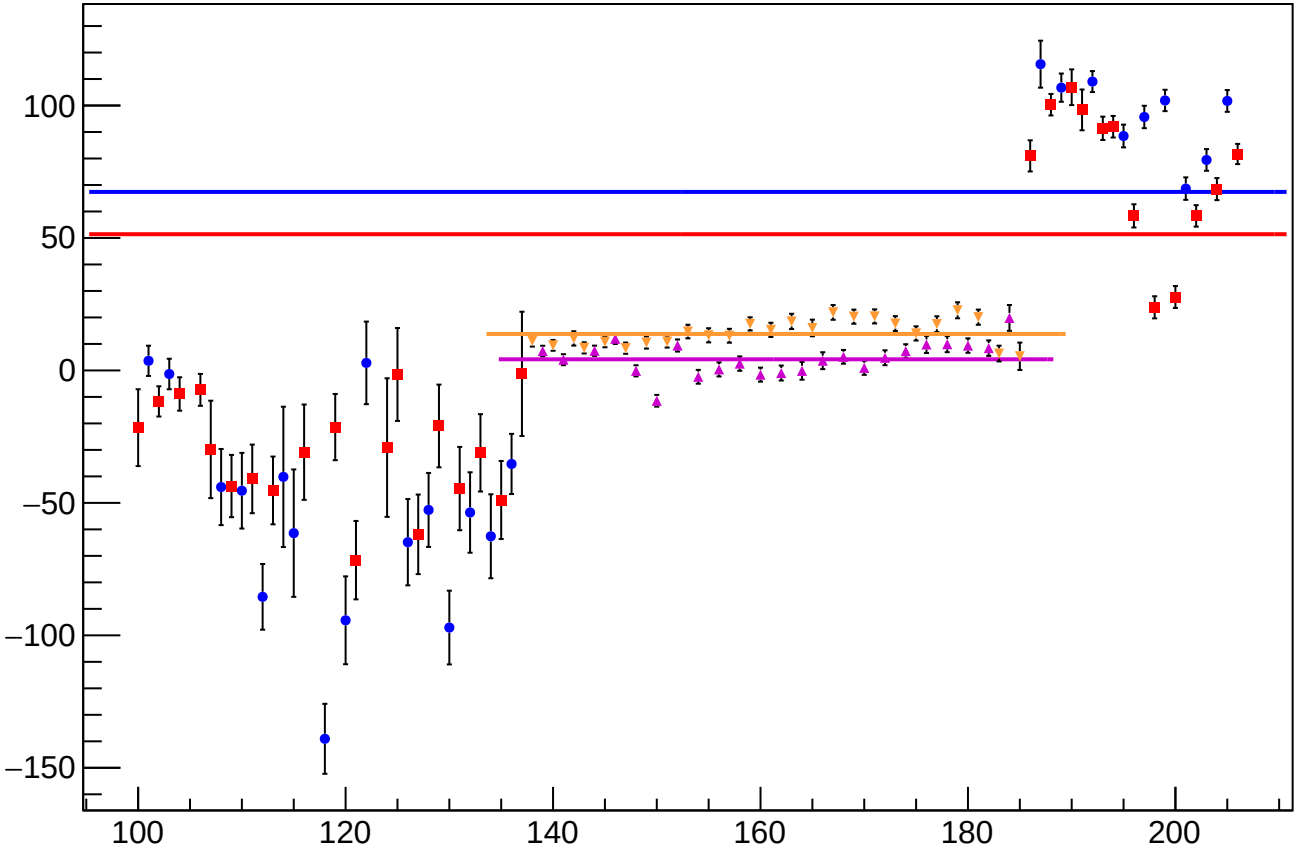
Right: 2369.443+/-0.502 χ^2/NDF: 16084873.6/55

In: 2857.792+/-0.685 χ^2/NDF:30371784.6/47

Out: 3043.346+/-0.709 χ^2/NDF:33907311.0/55

All: 2947.366+/-0.492 χ^2/NDF: 64314569.1/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 67.389+/-1.311 χ^2/NDF: 1850.7/24

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 51.419+/-1.156 χ^2/NDF: 1486.8/30

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

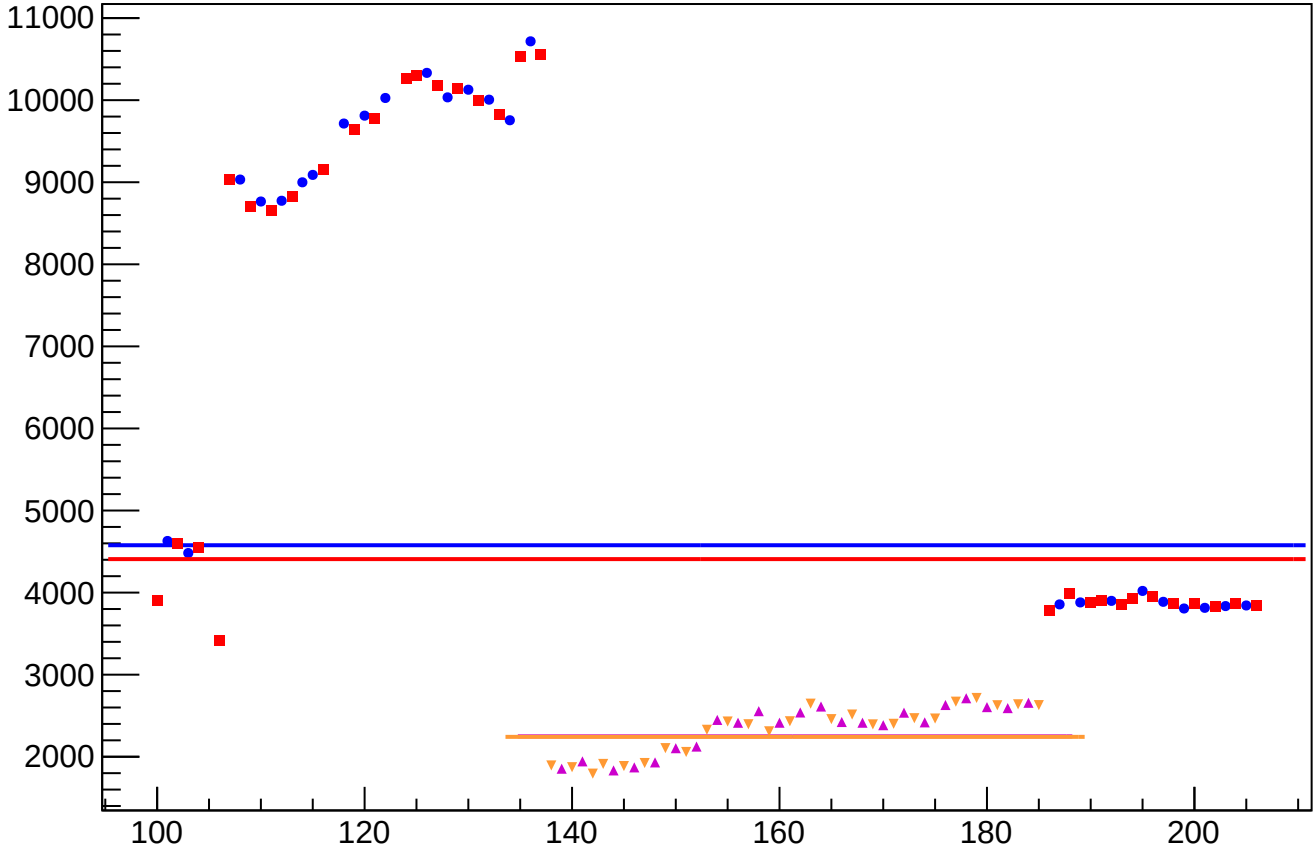
Right: 58.403+/-0.867 χ^2/NDF: 3421.0/55

In: 13.080+/-0.491 χ^2/NDF:3971.2/47

Out: 19.979+/-0.470 χ^2/NDF:2450.4/55

All: 16.686+/-0.340 χ^2/NDF: 6524.5/103

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4577.087+/-0.927 χ^2/NDF: 3853406.4/24

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4408.090+/-0.817 χ^2/NDF: 3896774.3/30

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

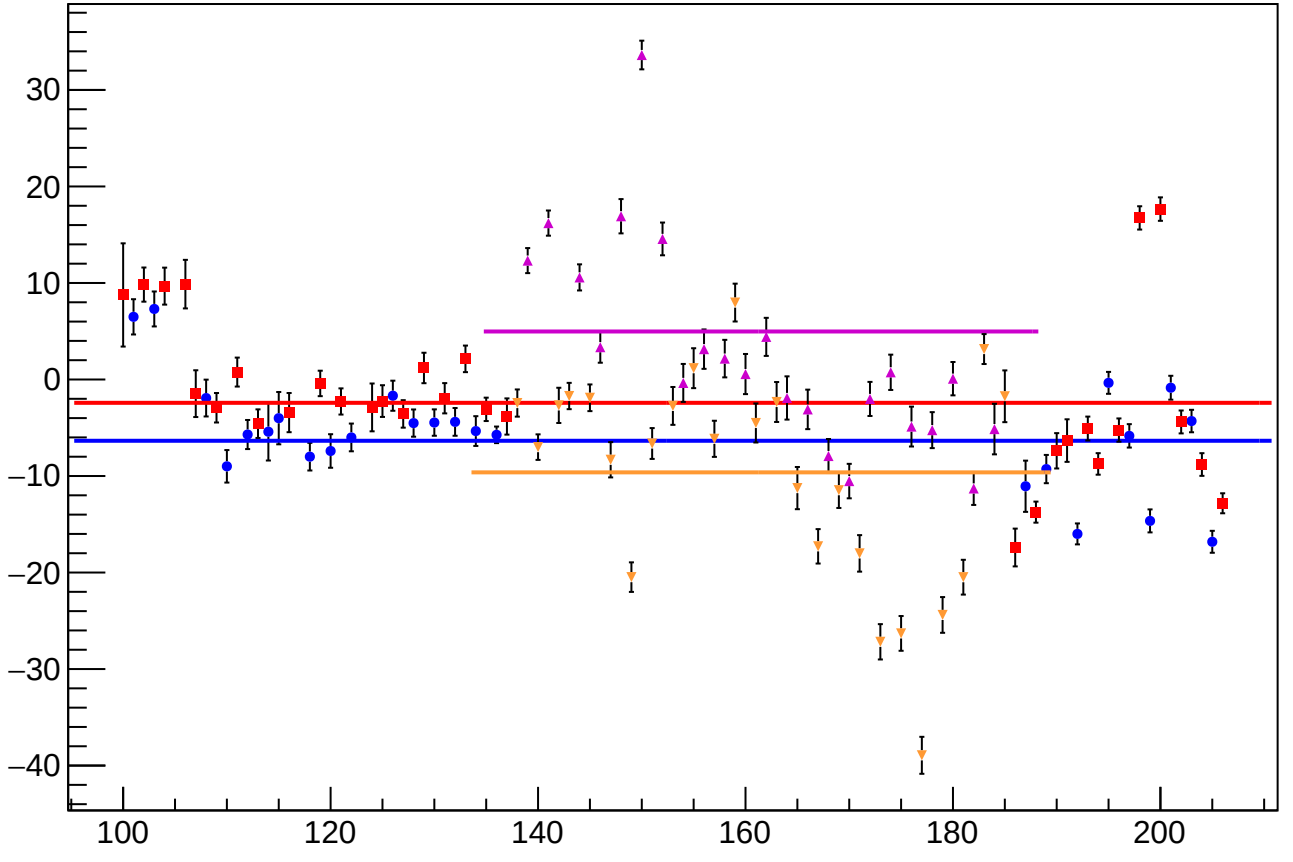
Right: 4481.994+/-0.613 χ^2/NDF: 7768880.8/55

In: 2575.747+/-0.347 χ^2/NDF:9918339.4/47

Out: 2599.960+/-0.332 χ^2/NDF:10417823.5/55

All: 2588.401+/-0.240 χ^2/NDF: 20338700.4/

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -6.349+/-0.280 χ^2/NDF: 402.7/24

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.417+/-0.263 χ^2/NDF: 1020.5/30

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

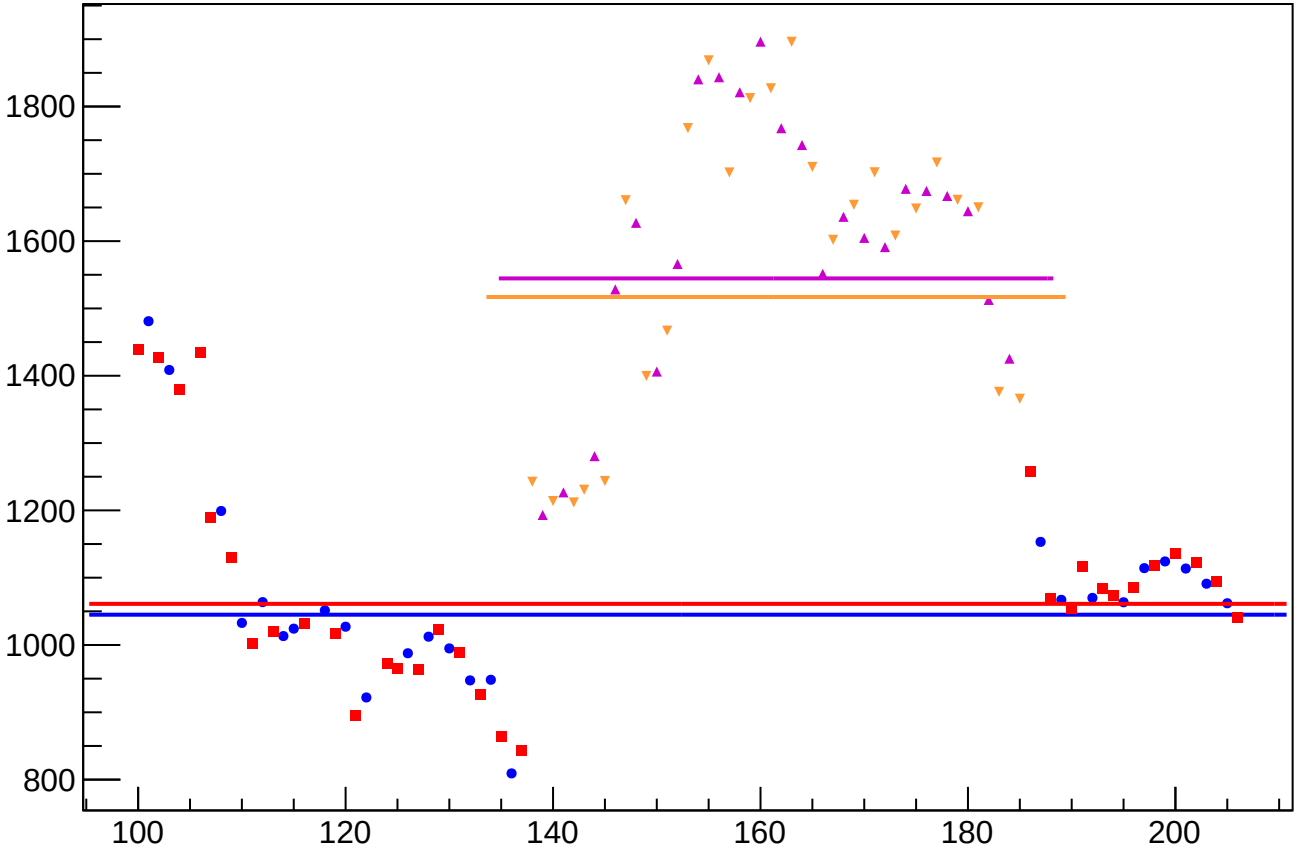
Right: -4.257+/-0.192 χ^2/NDF: 1527.7/55

In: -2.140+/-0.222 χ^2/NDF:1938.4/47

Out: -5.026+/-0.210 χ^2/NDF:2226.5/55

All: -3.664+/-0.153 χ^2/NDF: 4253.9/103

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1045.015+/-0.198 χ^2/NDF: 428133.9/24

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1061.119+/-0.186 χ^2/NDF: 406886.9/30

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

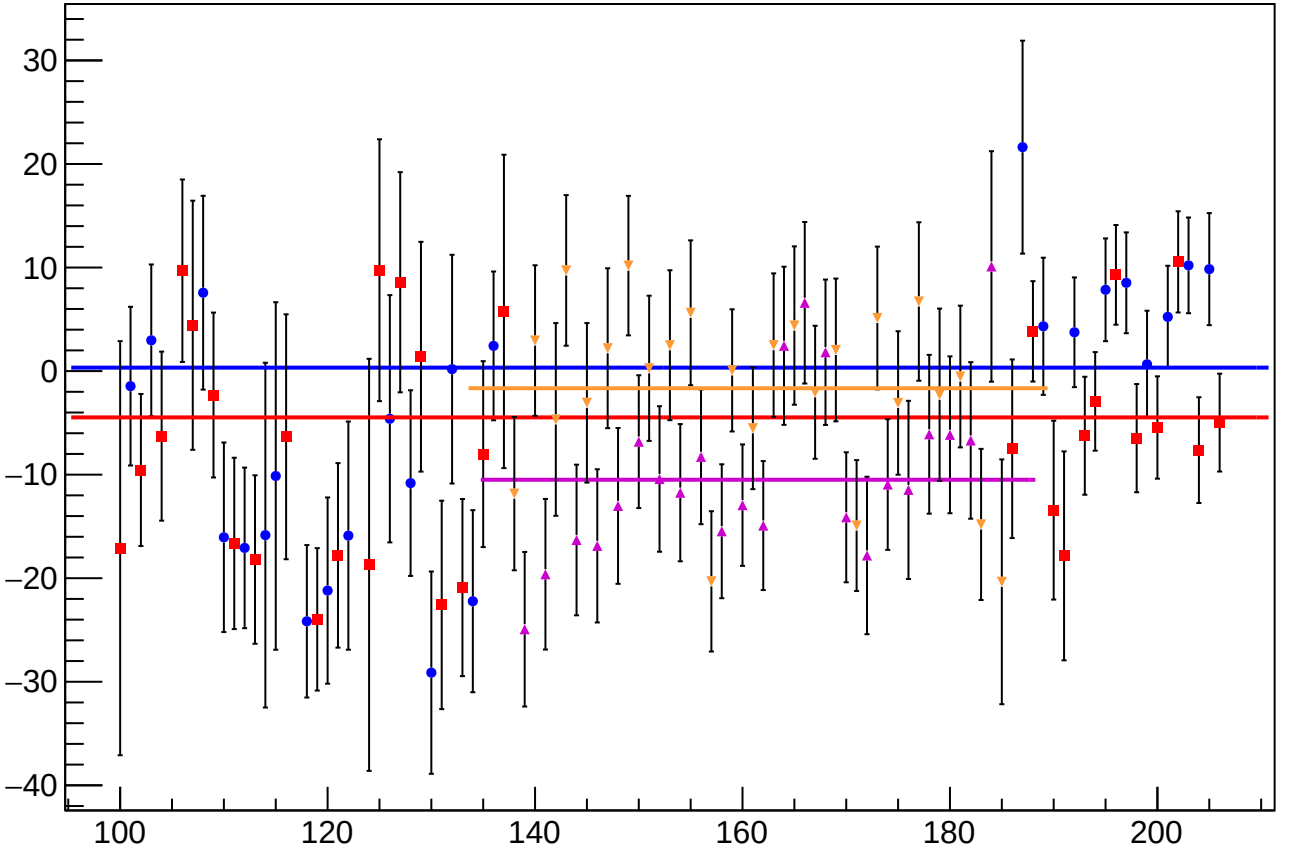
Right: 1053.582+/-0.136 χ^2/NDF: 838529.8/55

In: 1230.703+/-0.157 χ^2/NDF:3426209.1/47

Out: 1226.197+/-0.149 χ^2/NDF:3415536.0/55

All: 1228.323+/-0.108 χ^2/NDF: 6842179.3/10

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.334+/-1.411 χ^2/NDF: 65.6/24

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.470+/-1.282 χ^2/NDF: 54.9/30

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

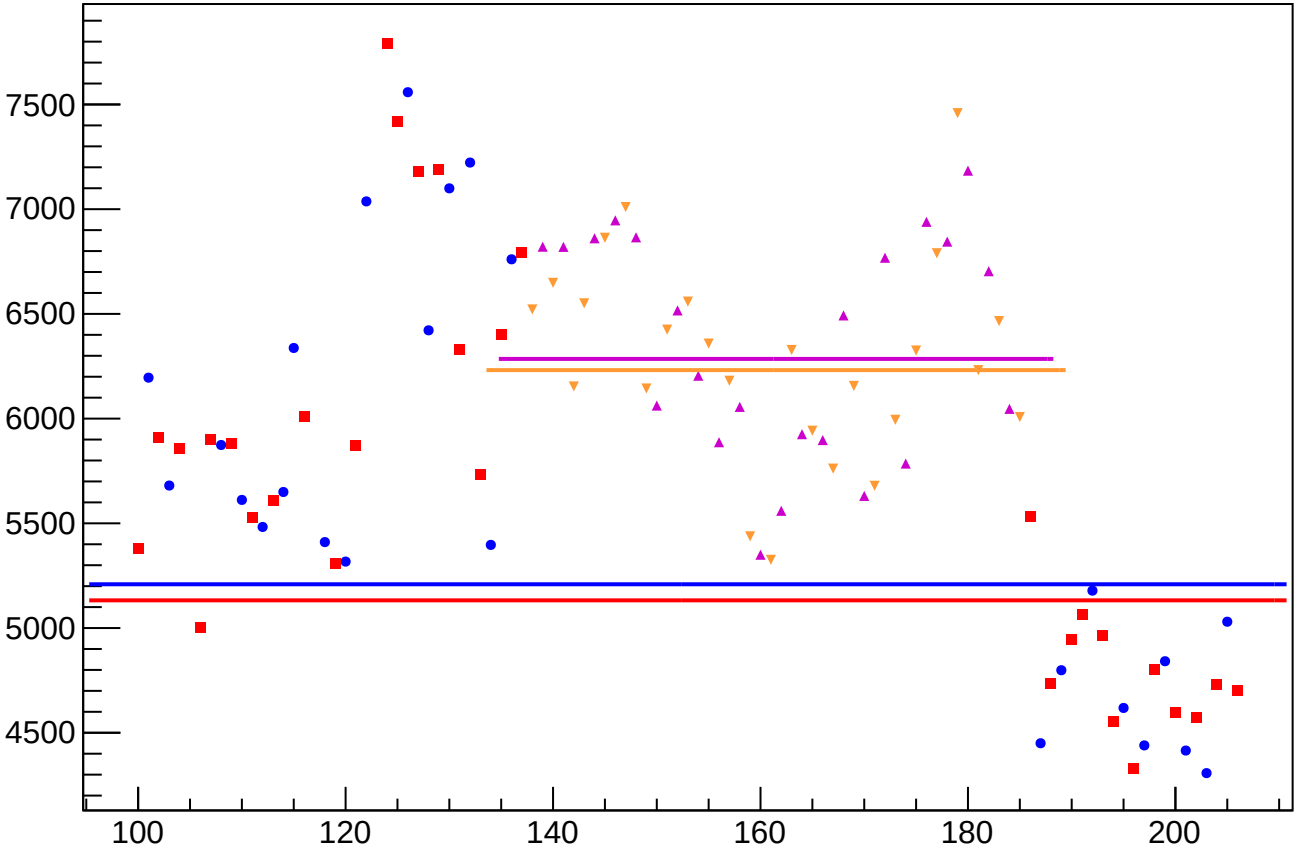
Right: -2.297+/-0.949 χ^2/NDF: 126.9/55

In: -4.821+/-1.021 χ^2/NDF:118.6/47

Out: -3.212+/-0.954 χ^2/NDF:88.5/55

All: -3.962+/-0.697 χ^2/NDF: 208.4/103

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5208.986+/-0.998 χ^2/NDF: 711983.7/24

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5132.241+/-0.907 χ^2/NDF: 641546.1/30

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

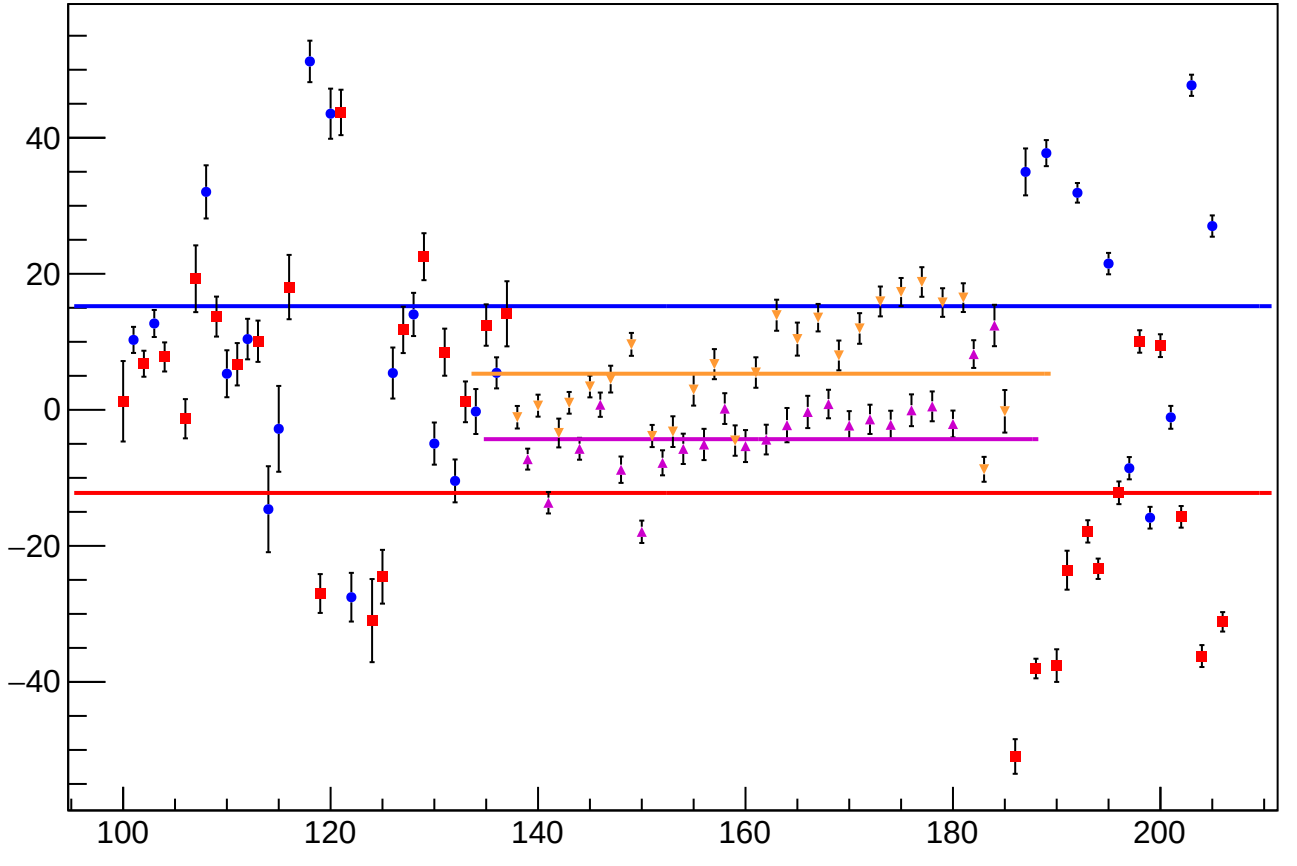
Right: 5166.955+/-0.671 χ^2/NDF: 1356771.1/55

In: 5721.380+/-0.722 χ^2/NDF:1531393.0/47

Out: 5623.557+/-0.674 χ^2/NDF:1525641.8/55

All: 5669.125+/-0.493 χ^2/NDF: 3066840.5/10

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 15.242+/-0.450 χ^2/NDF: 2062.1/24

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -12.217+/-0.409 χ^2/NDF: 2583.5/30

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

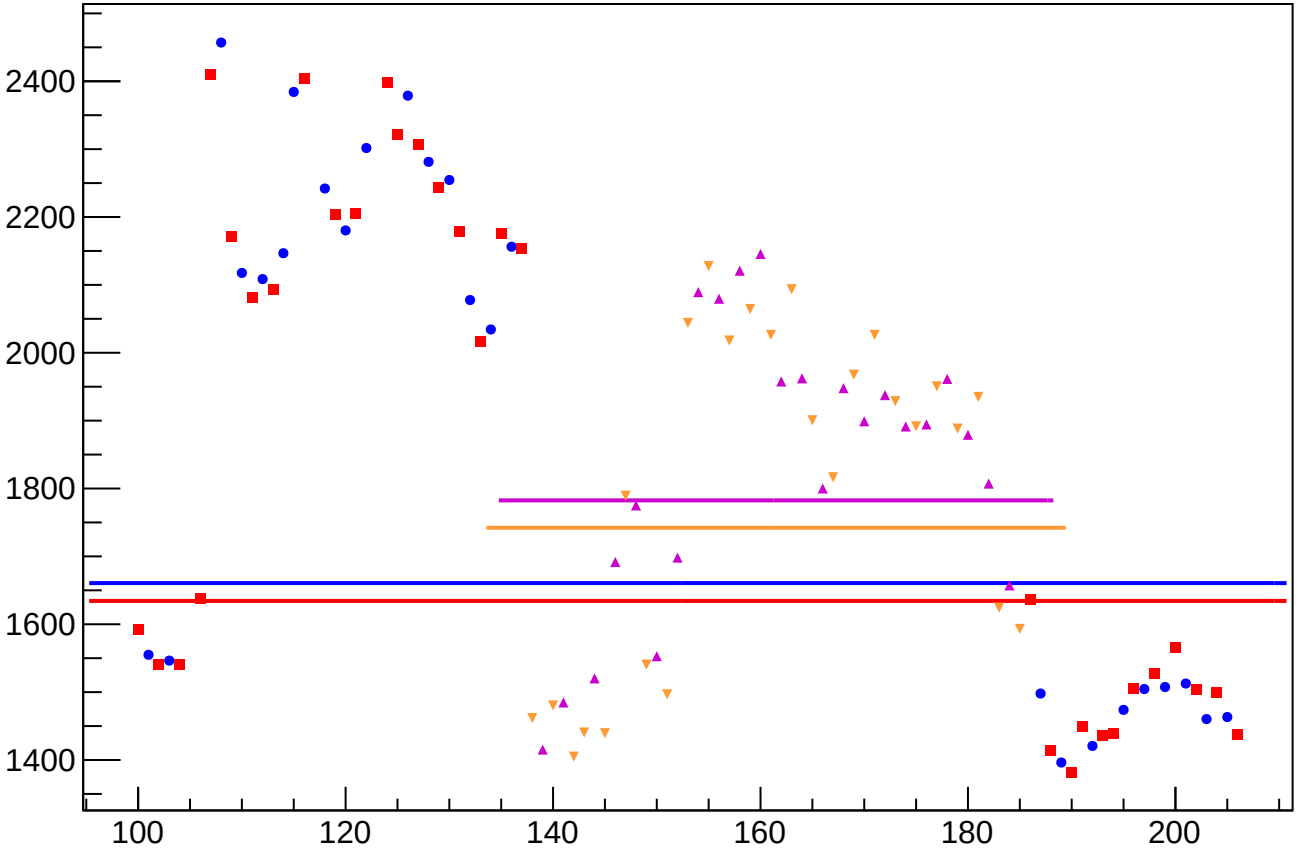
Right: 0.202+/-0.303 χ^2/NDF: 6683.3/55

In: 4.790+/-0.307 χ^2/NDF:3290.8/47

Out: -3.263+/-0.286 χ^2/NDF:3899.5/55

All: 0.479+/-0.209 χ^2/NDF: 7558.3/103

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1660.644+/-0.318 χ^2/NDF: 1011423.5/24

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1634.366+/-0.289 χ^2/NDF: 1033694.3/30

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

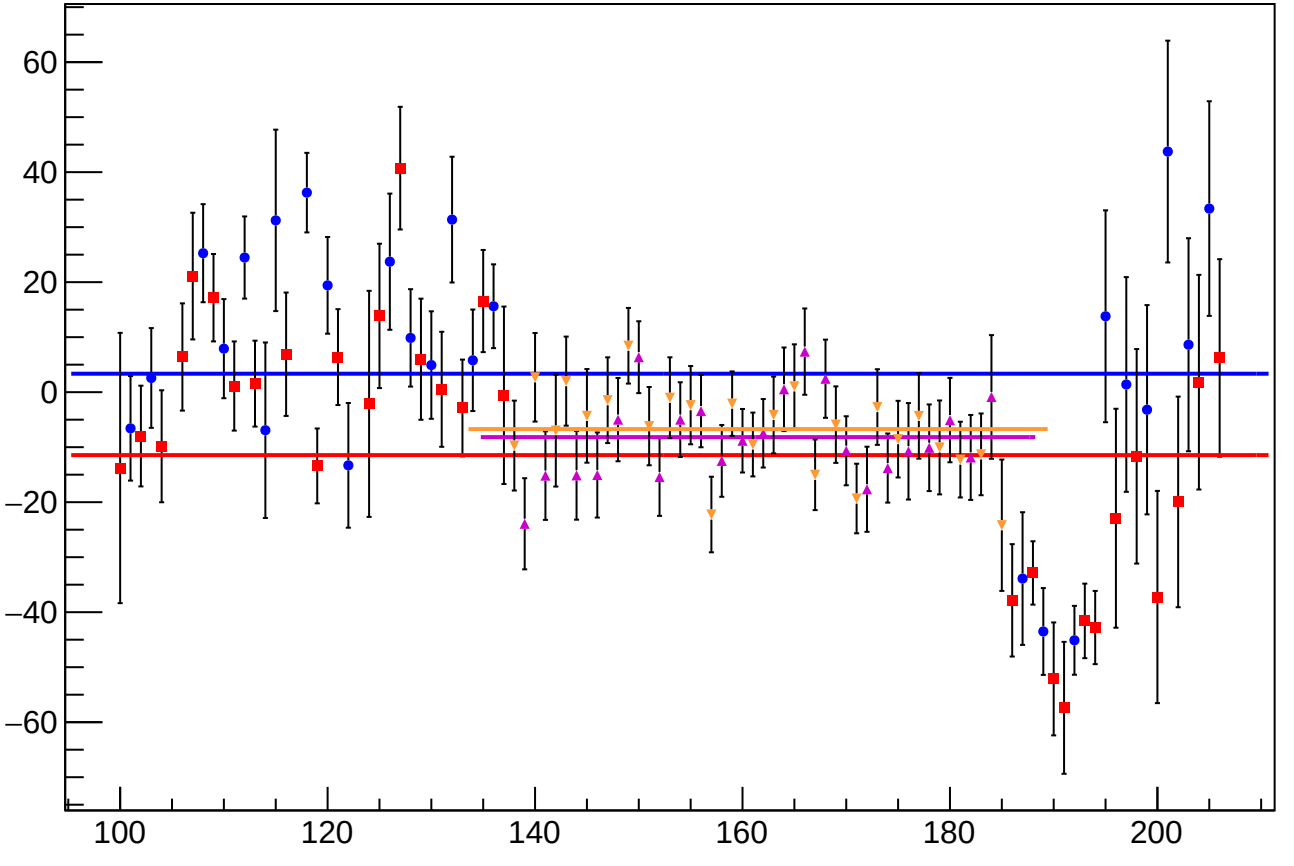
Right: 1646.251+/-0.214 χ^2/NDF: 2048850.0/55

In: 1725.783+/-0.217 χ^2/NDF:1624131.0/47

Out: 1689.457+/-0.202 χ^2/NDF:1872362.1/55

All: 1706.336+/-0.148 χ^2/NDF: 3511471.4/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.357+/-2.024 χ^2/NDF: 168.4/24

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.441+/-1.795 χ^2/NDF: 173.3/30

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

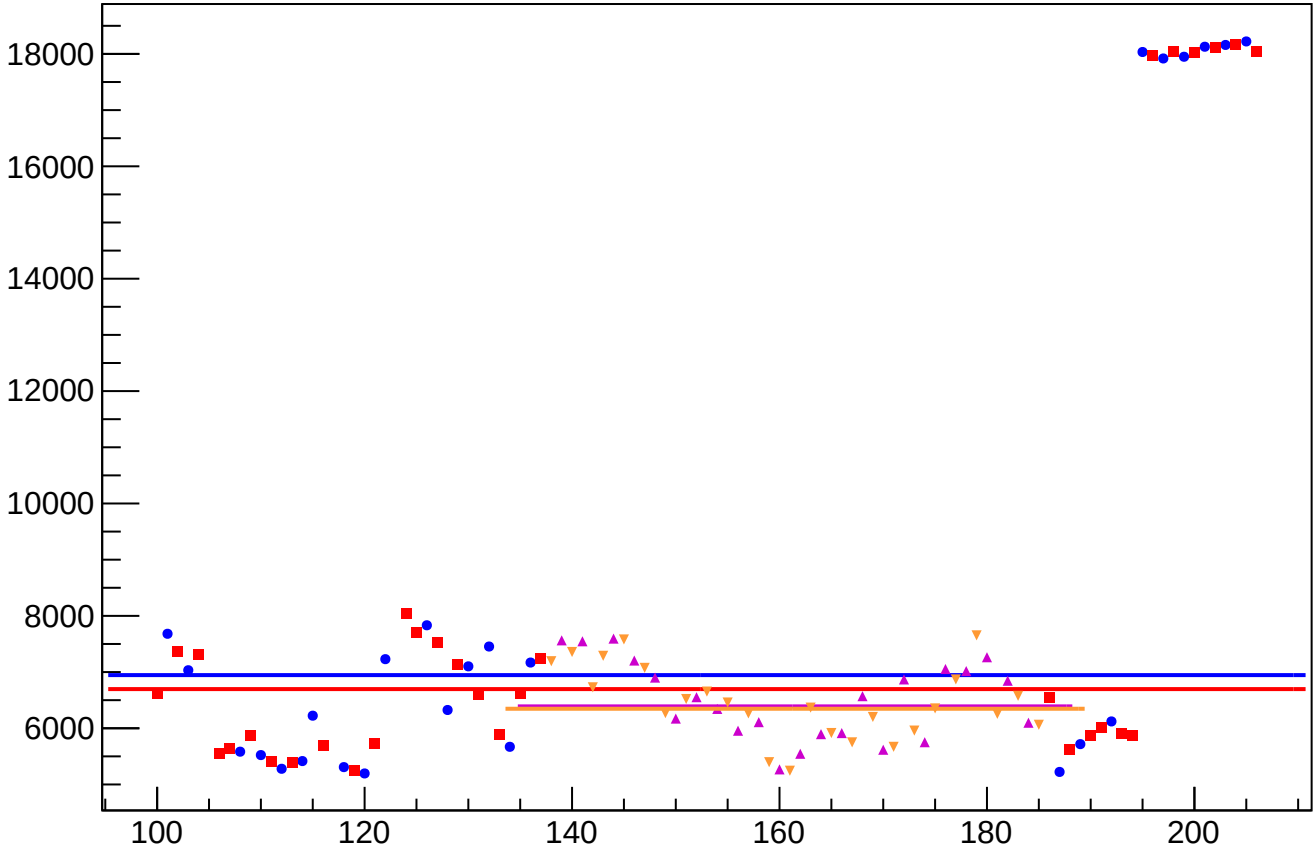
Right: -4.924+/-1.343 χ^2/NDF: 371.7/55

In: -4.048+/-1.210 χ^2/NDF:213.5/47

Out: -8.592+/-1.132 χ^2/NDF:203.2/55

All: -6.472+/-0.827 χ^2/NDF: 424.2/103

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6946.111+/-1.431 χ^2/NDF: 4520543.9/24

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6697.116+/-1.270 χ^2/NDF: 4731219.5/30

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

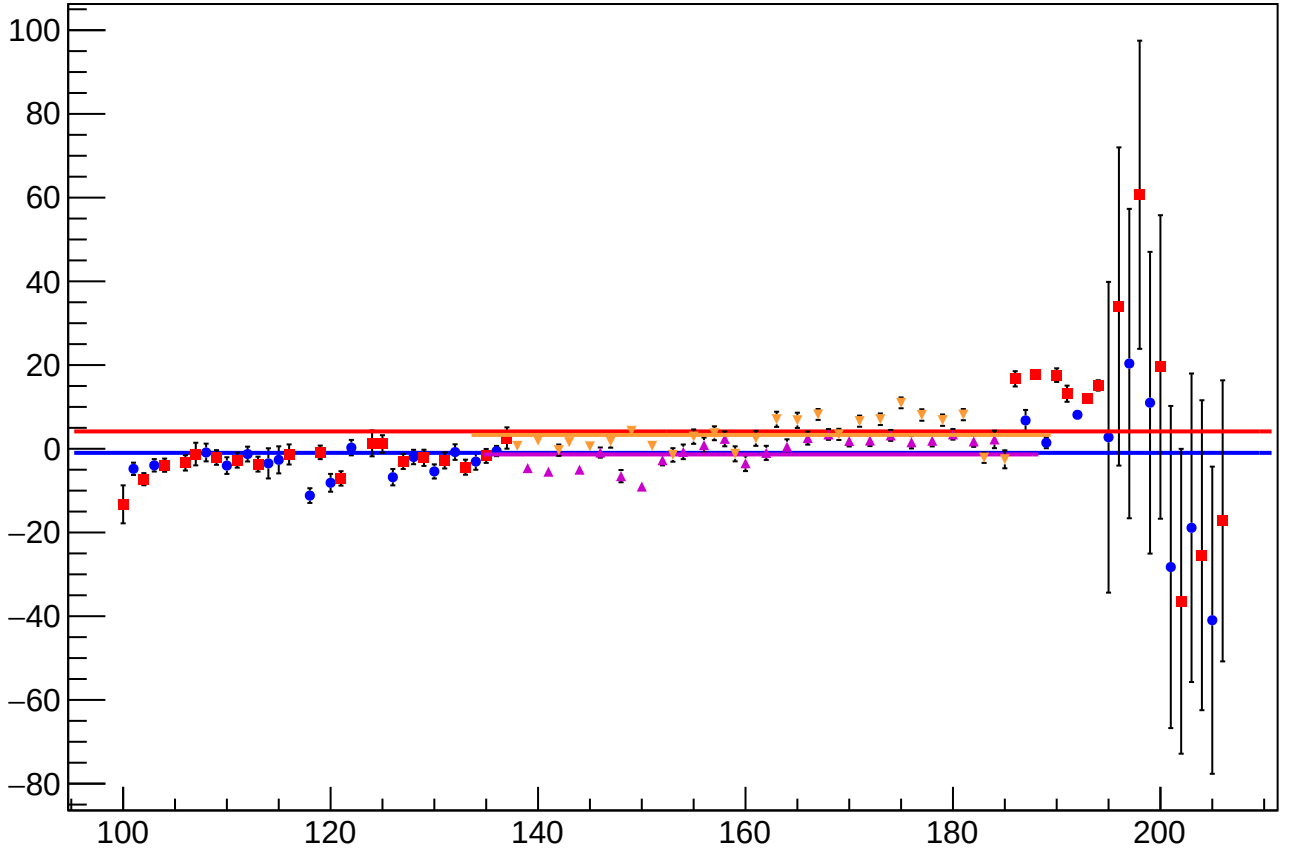
Right: 6806.784+/-0.950 χ^2/NDF: 9268706.2/55

In: 6588.518+/-0.856 χ^2/NDF:5037521.6/47

Out: 6486.281+/-0.800 χ^2/NDF:5163007.7/55

All: 6533.976+/-0.584 χ^2/NDF: 10208144.0/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.975+/-0.386 χ^2/NDF: 181.3/24

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.146+/-0.342 χ^2/NDF: 749.8/30

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

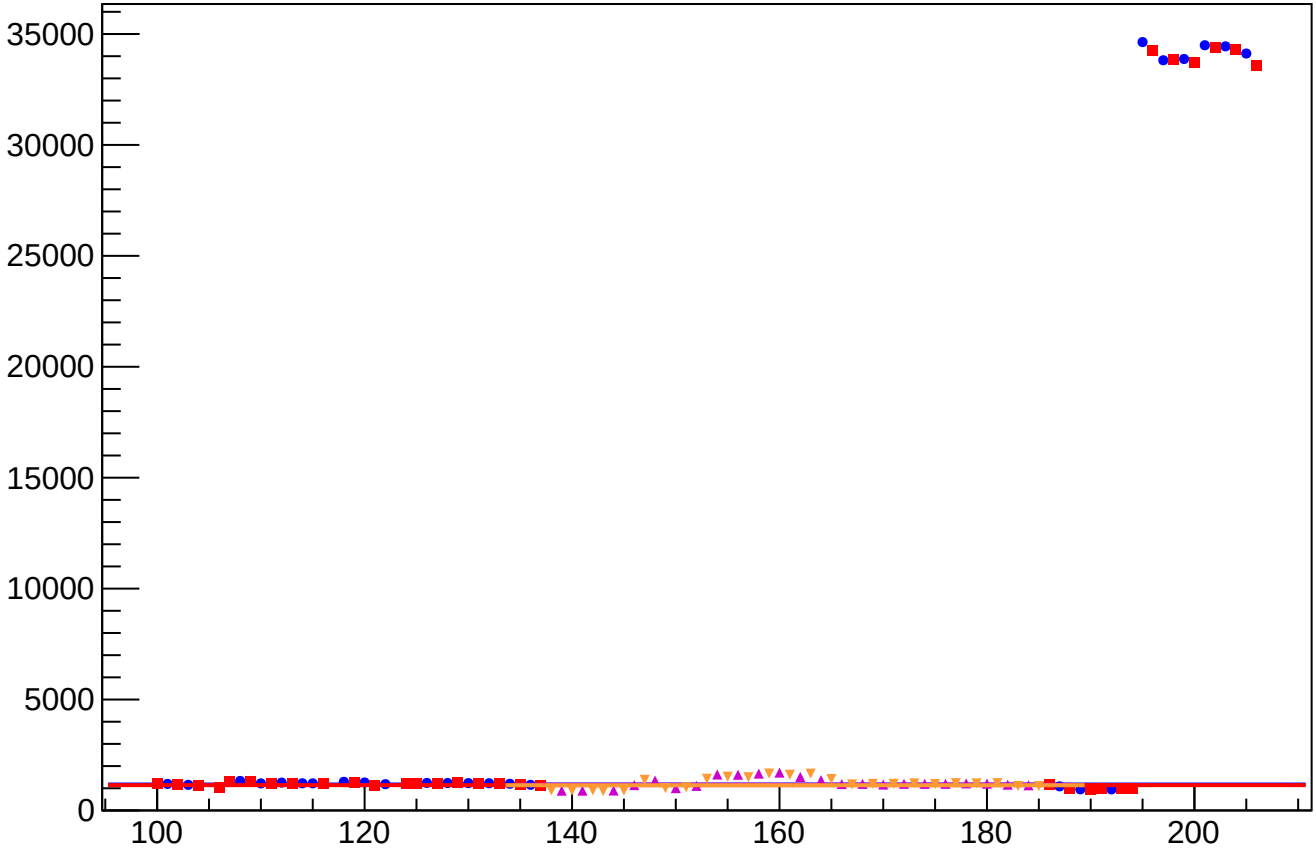
Right: 1.894+/-0.256 χ^2/NDF: 1029.7/55

In: -1.226+/-0.225 χ^2/NDF:378.2/47

Out: 3.623+/-0.209 χ^2/NDF:931.5/55

All: 1.374+/-0.153 χ^2/NDF: 1559.0/103

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1169.315+/-0.273 χ^2/NDF: 9782664.3/24

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1140.782+/-0.242 χ^2/NDF: 10076582.9/30

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

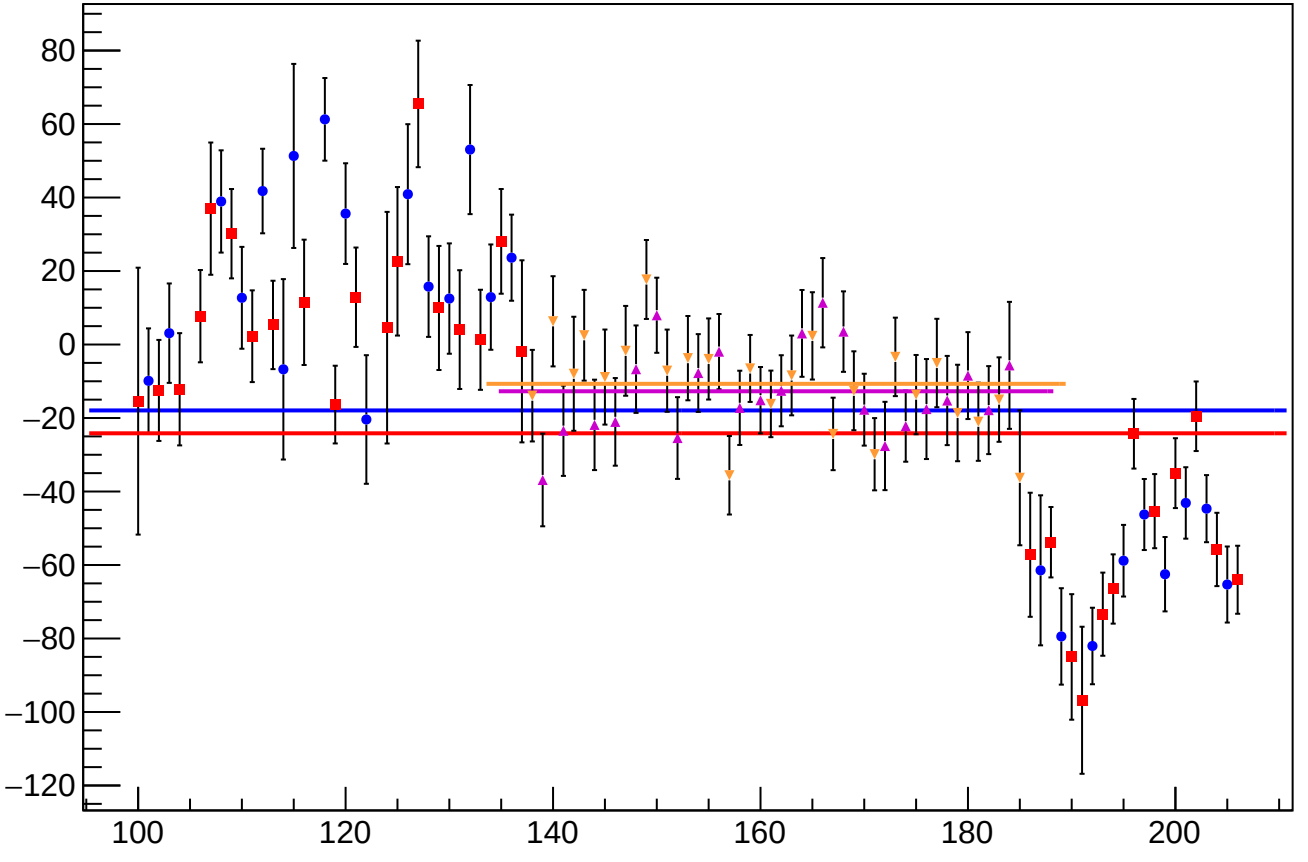
Right: 1153.333+/-0.181 χ^2/NDF: 19865370.1/55

In: 1162.787+/-0.159 χ^2/NDF:11043324.2/47

Out: 1138.509+/-0.148 χ^2/NDF:11546410.2/55

All: 1149.773+/-0.108 χ^2/NDF: 22602231.4/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -17.935+/-2.529 χ^2/NDF: 323.5/24

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -24.158+/-2.305 χ^2/NDF: 233.4/30

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

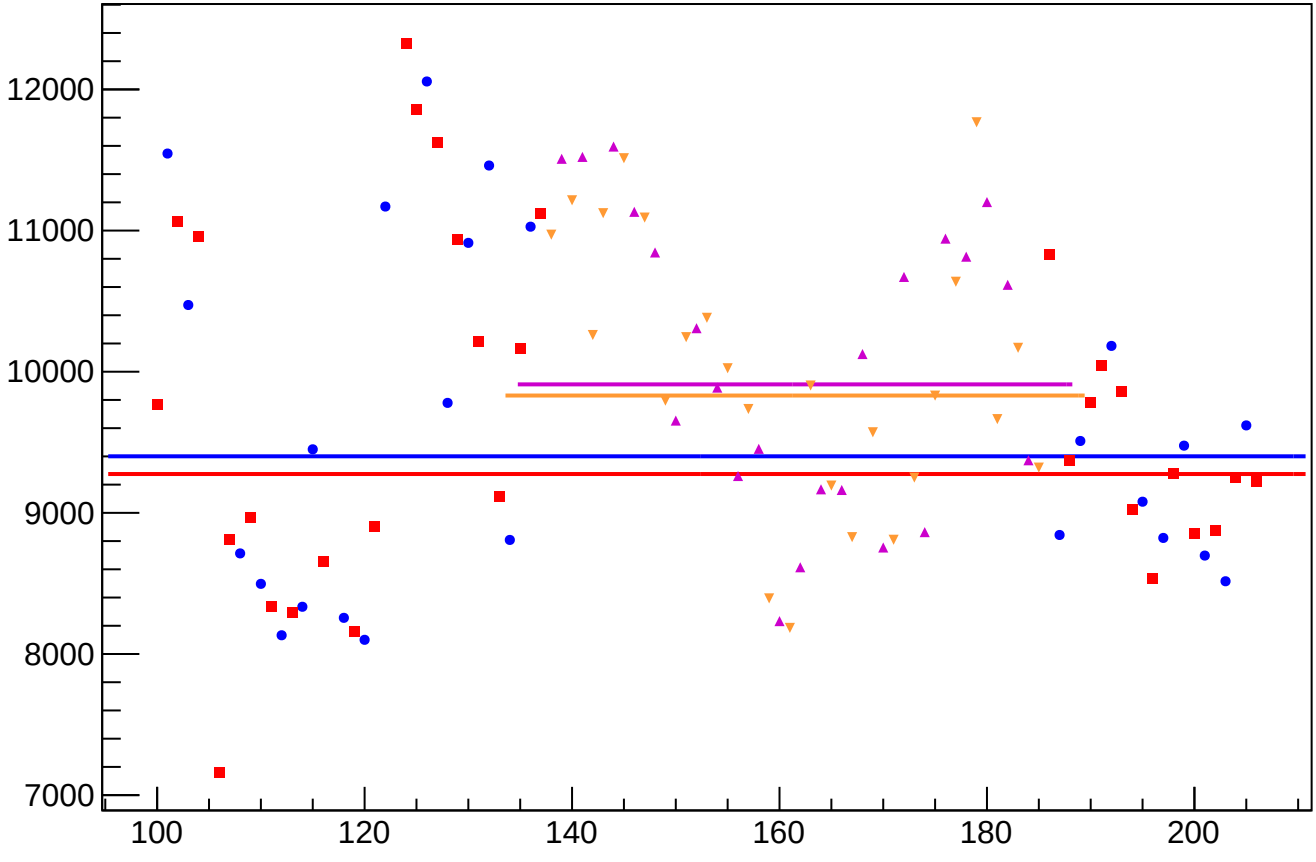
Right: -21.334+/-1.704 χ^2/NDF: 560.2/55

In: -15.126+/-1.718 χ^2/NDF:349.9/47

Out: -17.285+/-1.613 χ^2/NDF:279.5/55

All: -16.273+/-1.176 χ^2/NDF: 630.2/103

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9400.672+/-1.788 χ^2/NDF: 341043.2/24

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9275.165+/-1.630 χ^2/NDF: 351286.8/30

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

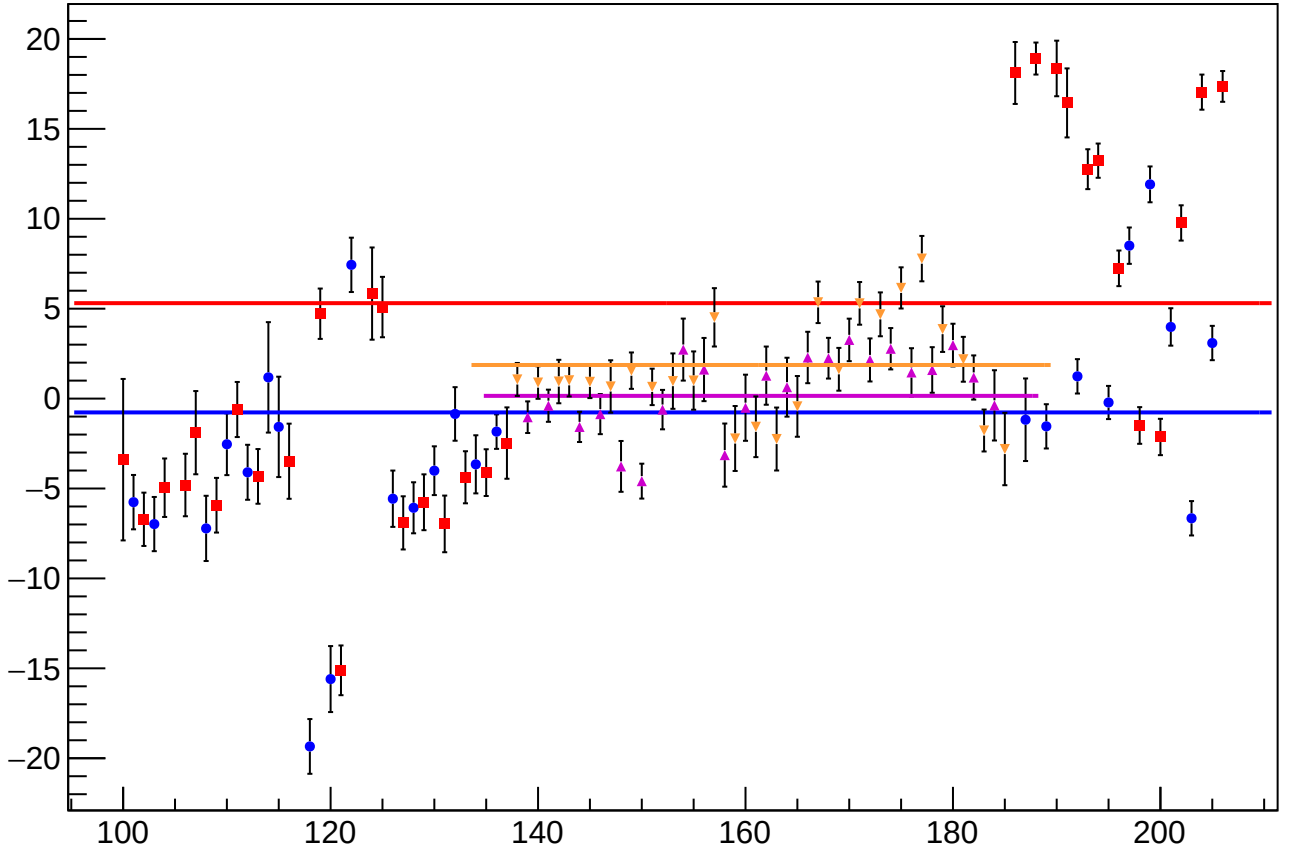
Right: 9332.121+/-1.205 χ^2/NDF: 695019.9/55

In: 9675.170+/-1.215 χ^2/NDF:774147.1/47

Out: 9559.107+/-1.140 χ^2/NDF:766832.2/55

All: 9613.480+/-0.831 χ^2/NDF: 1545831.0/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.769+/-0.259 χ^2/NDF: 650.5/24

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 5.307+/-0.238 χ^2/NDF: 1765.2/30

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

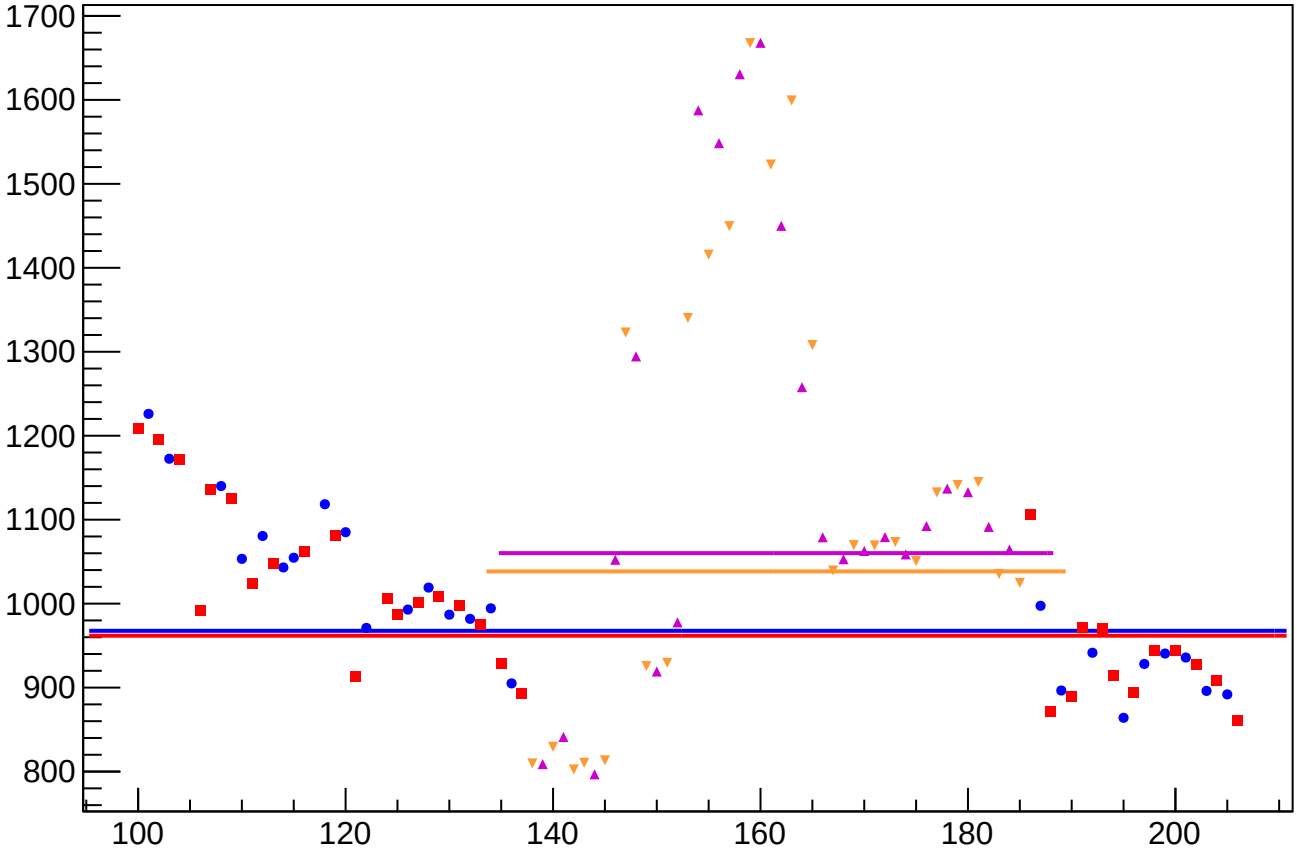
Right: 2.524+/-0.175 χ^2/NDF: 2714.7/55

In: -0.301+/-0.181 χ^2/NDF:732.6/47

Out: 3.622+/-0.170 χ^2/NDF:1970.8/55

All: 1.790+/-0.124 χ^2/NDF: 2952.6/103

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 967.657+/-0.183 χ^2/NDF: 237095.6/24

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 961.830+/-0.168 χ^2/NDF: 255651.2/30

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

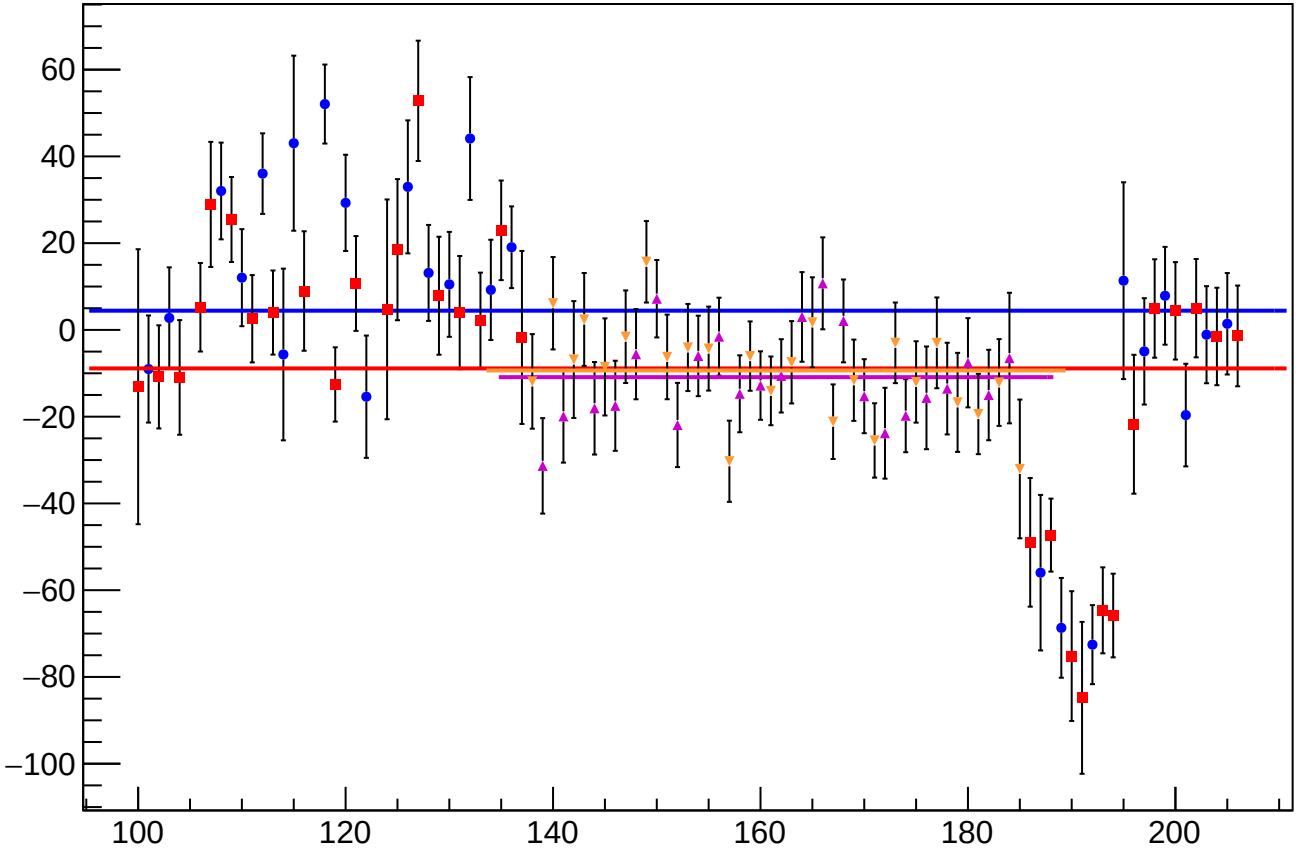
Right: 964.499+/-0.124 χ^2/NDF: 493296.8/55

In: 1014.671+/-0.128 χ^2/NDF:1890274.6/47

Out: 999.352+/-0.120 χ^2/NDF:2063919.5/55

All: 1006.507+/-0.088 χ^2/NDF: 3961792.8/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.431+/-2.381 χ^2/NDF: 200.7/24

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -8.877+/-2.148 χ^2/NDF: 202.6/30

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

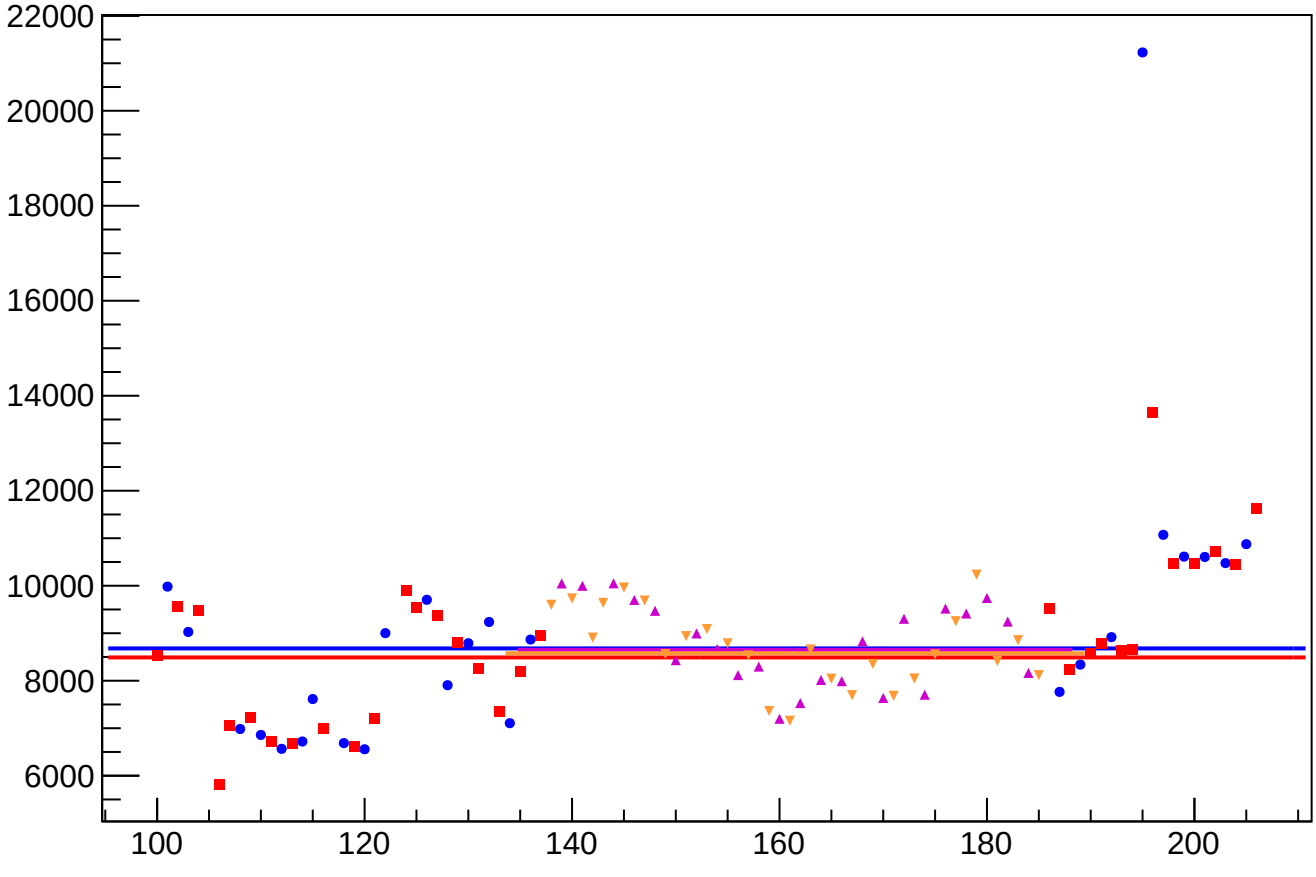
Right: -2.905+/-1.595 χ^2/NDF: 420.5/55

In: -4.396+/-1.550 χ^2/NDF:248.2/47

Out: -9.137+/-1.452 χ^2/NDF:231.1/55

All: -6.922+/-1.060 χ^2/NDF: 484.2/103

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8680.352+/-1.684 χ^2/NDF: 1412212.2/24

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8490.170+/-1.519 χ^2/NDF: 1171531.9/30

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

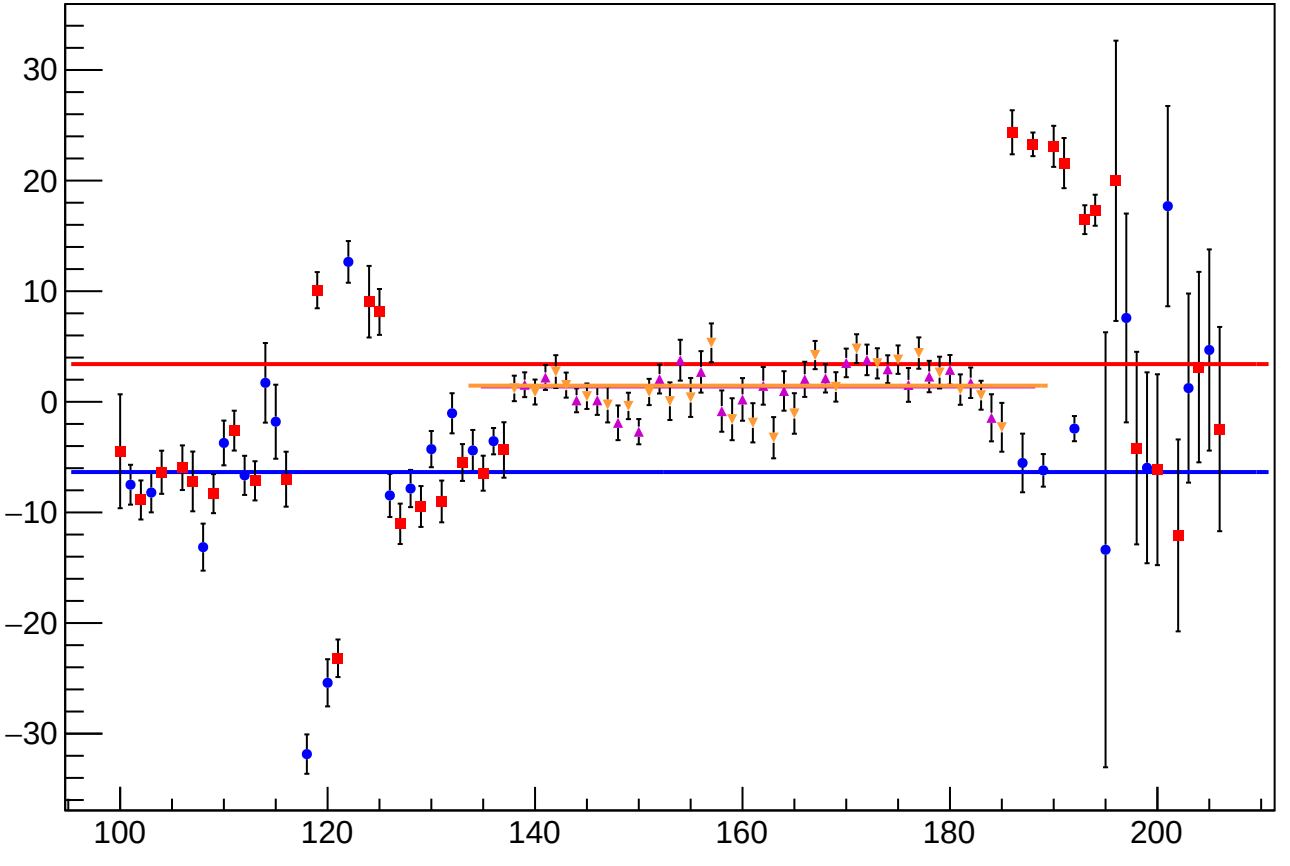
Right: 8575.514+/-1.128 χ^2/NDF: 2590777.5/55

In: 8662.424+/-1.096 χ^2/NDF:1790341.0/47

Out: 8538.115+/-1.026 χ^2/NDF:1517086.0/55

All: 8596.189+/-0.749 χ^2/NDF: 3314278.8/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.350+/-0.404 χ^2/NDF: 449.1/24

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.410+/-0.359 χ^2/NDF: 1561.5/30

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

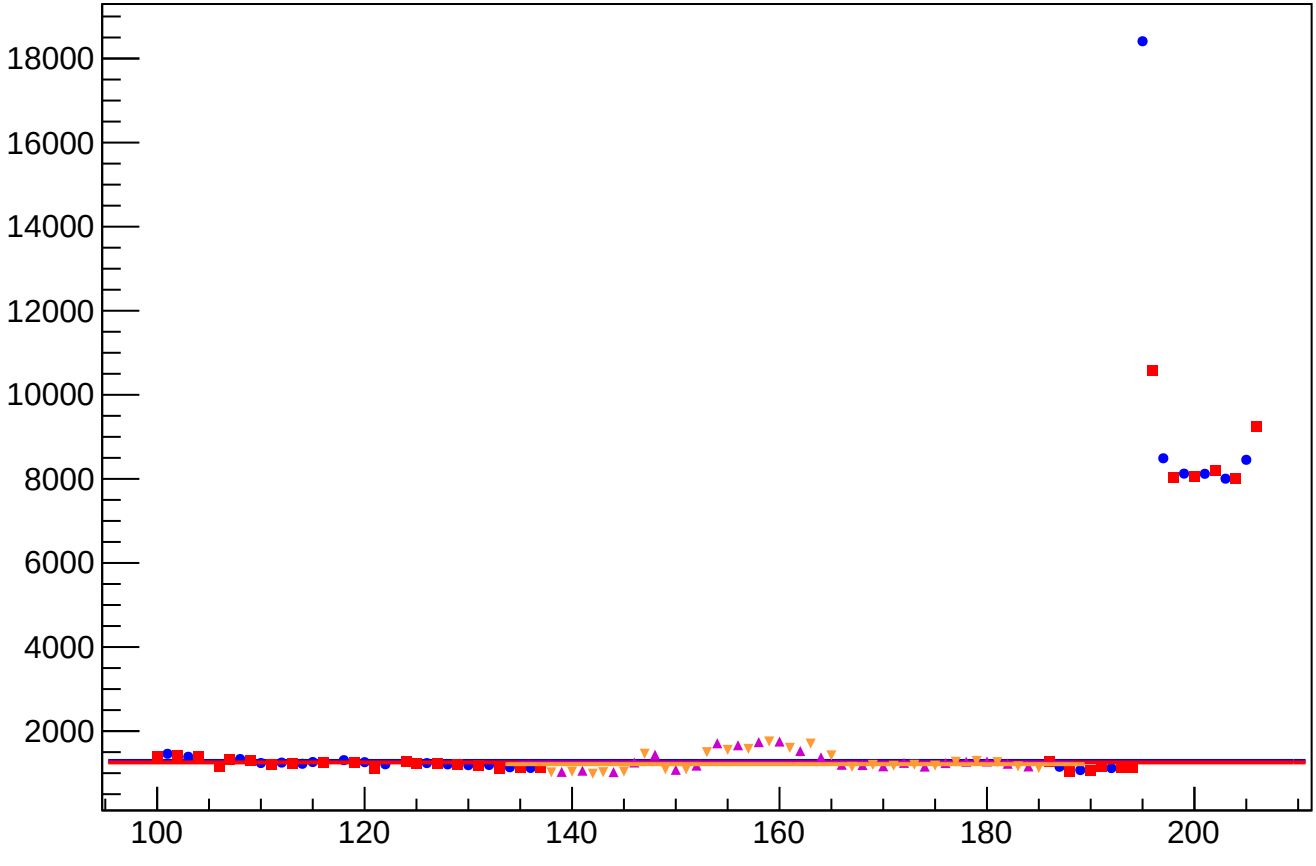
Right: -0.900+/-0.269 χ^2/NDF: 2336.1/55

In: -1.291+/-0.238 χ^2/NDF:724.3/47

Out: 2.199+/-0.221 χ^2/NDF:1630.8/55

All: 0.581+/-0.162 χ^2/NDF: 2470.5/103

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1289.845+/-0.286 χ^2/NDF: 7744532.6/24

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.639+/-0.254 χ^2/NDF: 7765716.1/30

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

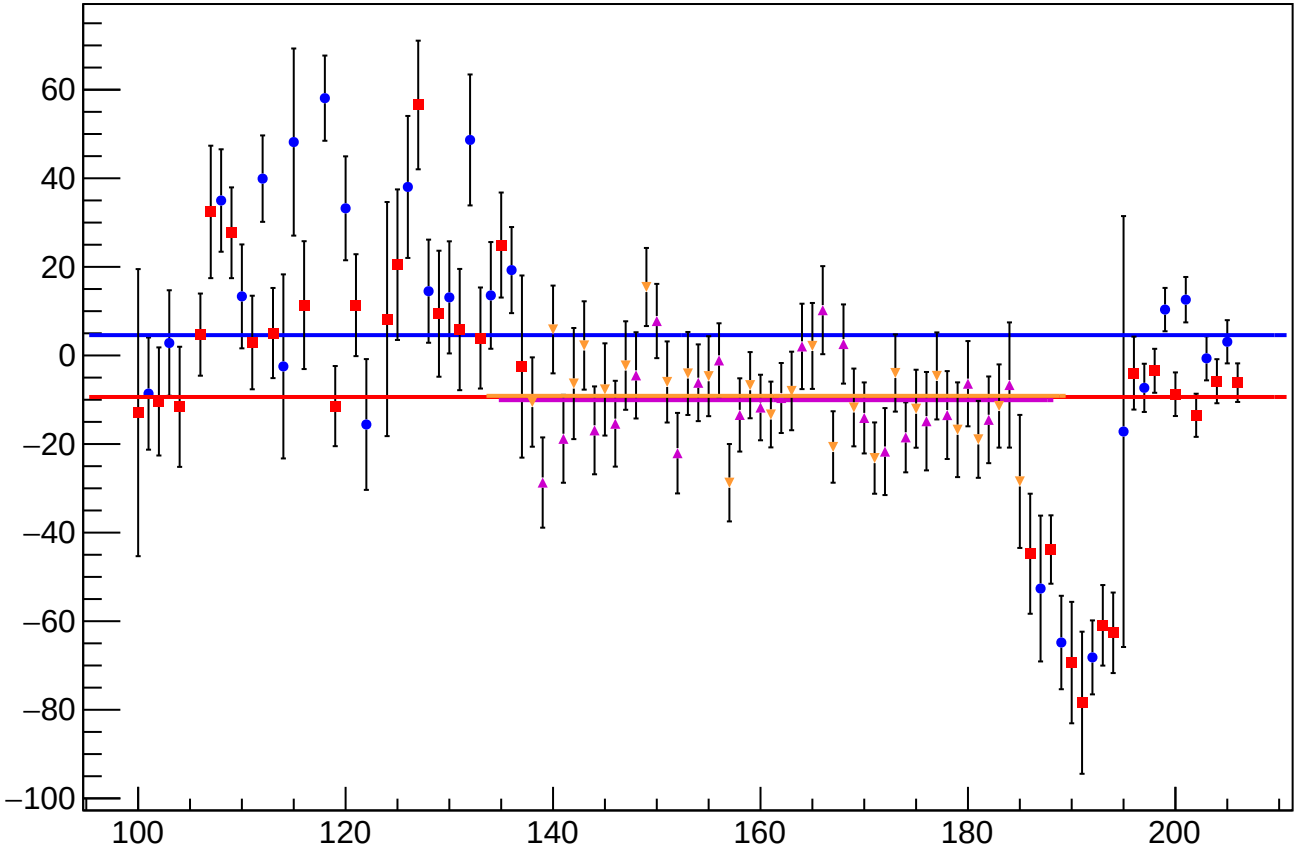
Right: 1270.743+/-0.190 χ^2/NDF: 15518244.7/55

In: 1256.724+/-0.168 χ^2/NDF:8650667.3/47

Out: 1229.301+/-0.156 χ^2/NDF:8795751.7/55

All: 1242.013+/-0.115 χ^2/NDF: 17460673.7/

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.589+/-1.744 χ^2/NDF: 223.4/24

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -9.377+/-1.569 χ^2/NDF: 203.4/30

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

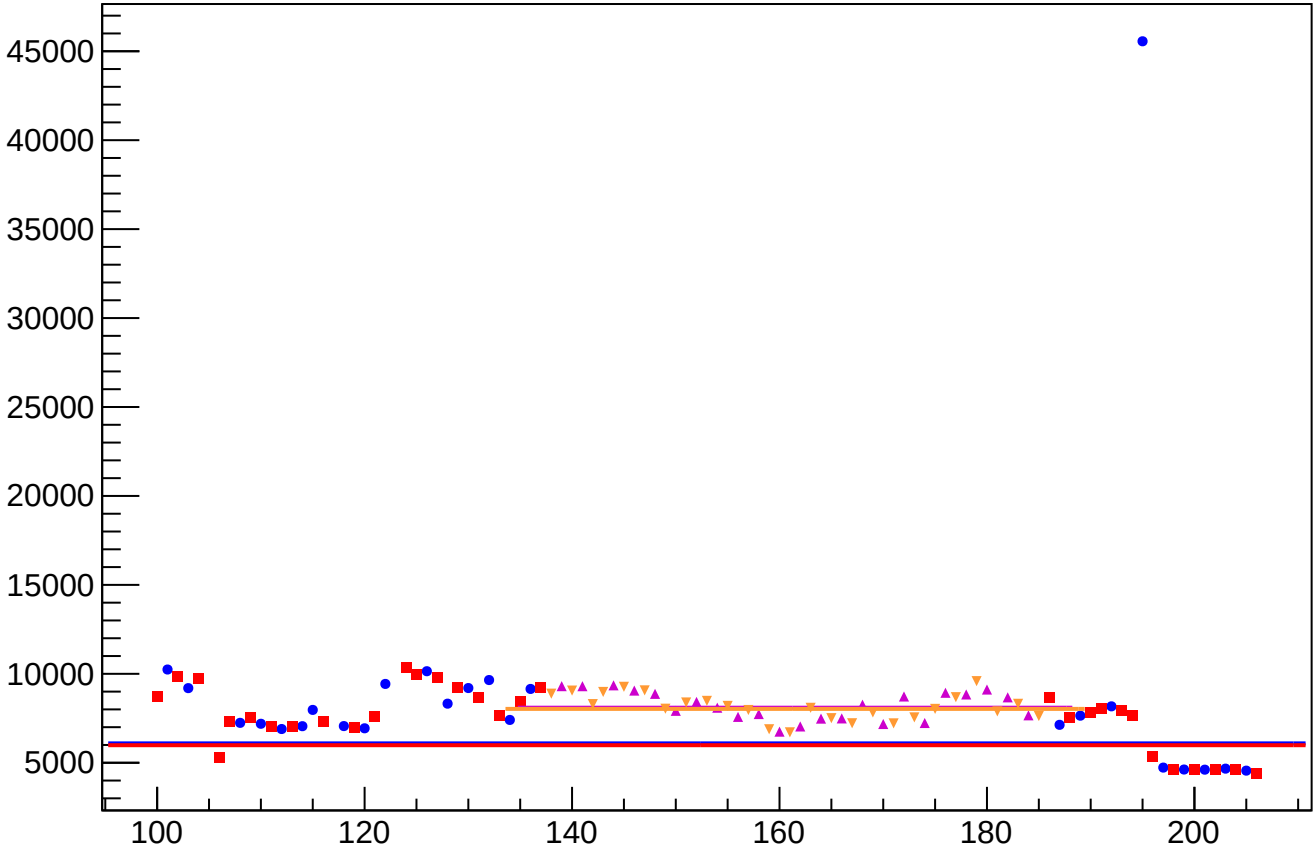
Right: -3.133+/-1.166 χ^2/NDF: 462.2/55

In: -2.083+/-1.288 χ^2/NDF:279.9/47

Out: -9.267+/-1.194 χ^2/NDF:232.2/55

All: -5.947+/-0.876 χ^2/NDF: 528.8/103

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6089.403+/-1.233 χ^2/NDF: 3541242.8/24

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5987.285+/-1.109 χ^2/NDF: 2519722.4/30

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

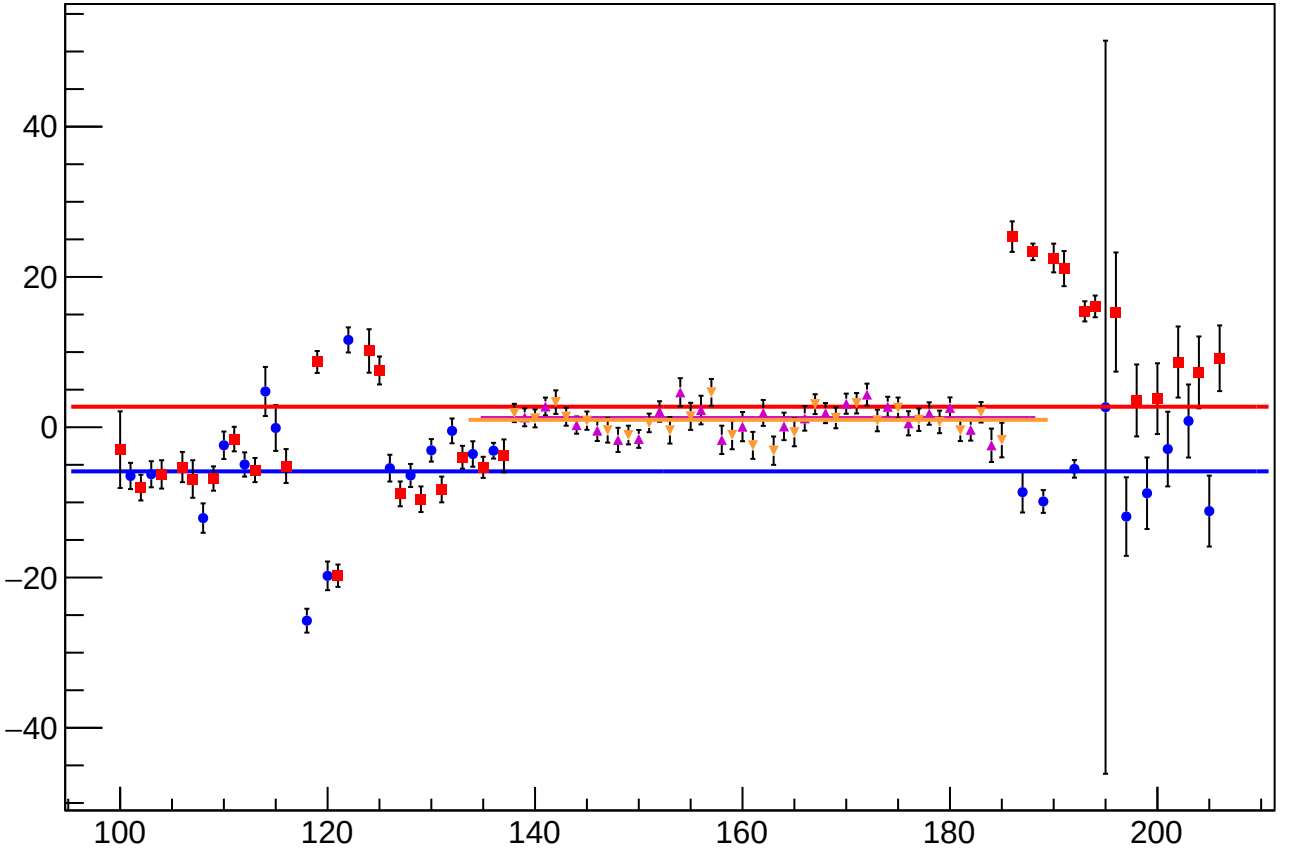
Right: 6032.943+/-0.825 χ^2/NDF: 6064755.4/55

In: 7000.925+/-0.911 χ^2/NDF:5110688.3/47

Out: 6844.841+/-0.845 χ^2/NDF:4274812.6/55

All: 6916.980+/-0.619 χ^2/NDF: 9401287.6/10

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.871+/-0.374 χ^2/NDF: 383.9/24

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.732+/-0.338 χ^2/NDF: 1463.5/30

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

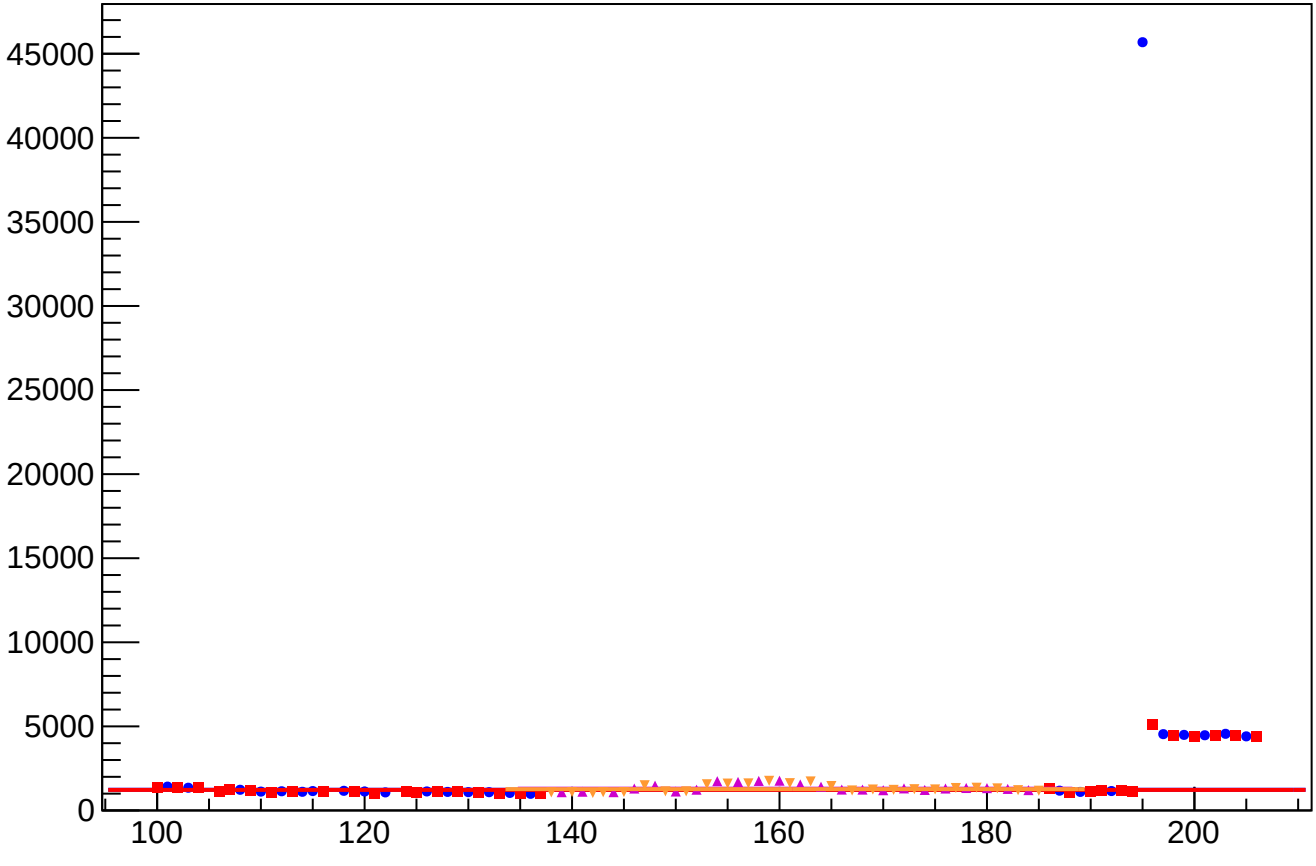
Right: -1.141+/-0.251 χ^2/NDF: 2138.5/55

In: -1.631+/-0.237 χ^2/NDF:632.1/47

Out: 1.734+/-0.221 χ^2/NDF:1509.7/55

All: 0.168+/-0.162 χ^2/NDF: 2249.5/103

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1230.209+/-0.264 χ^2/NDF: 6381842.2/24

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1221.534+/-0.239 χ^2/NDF: 5529426.7/30

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

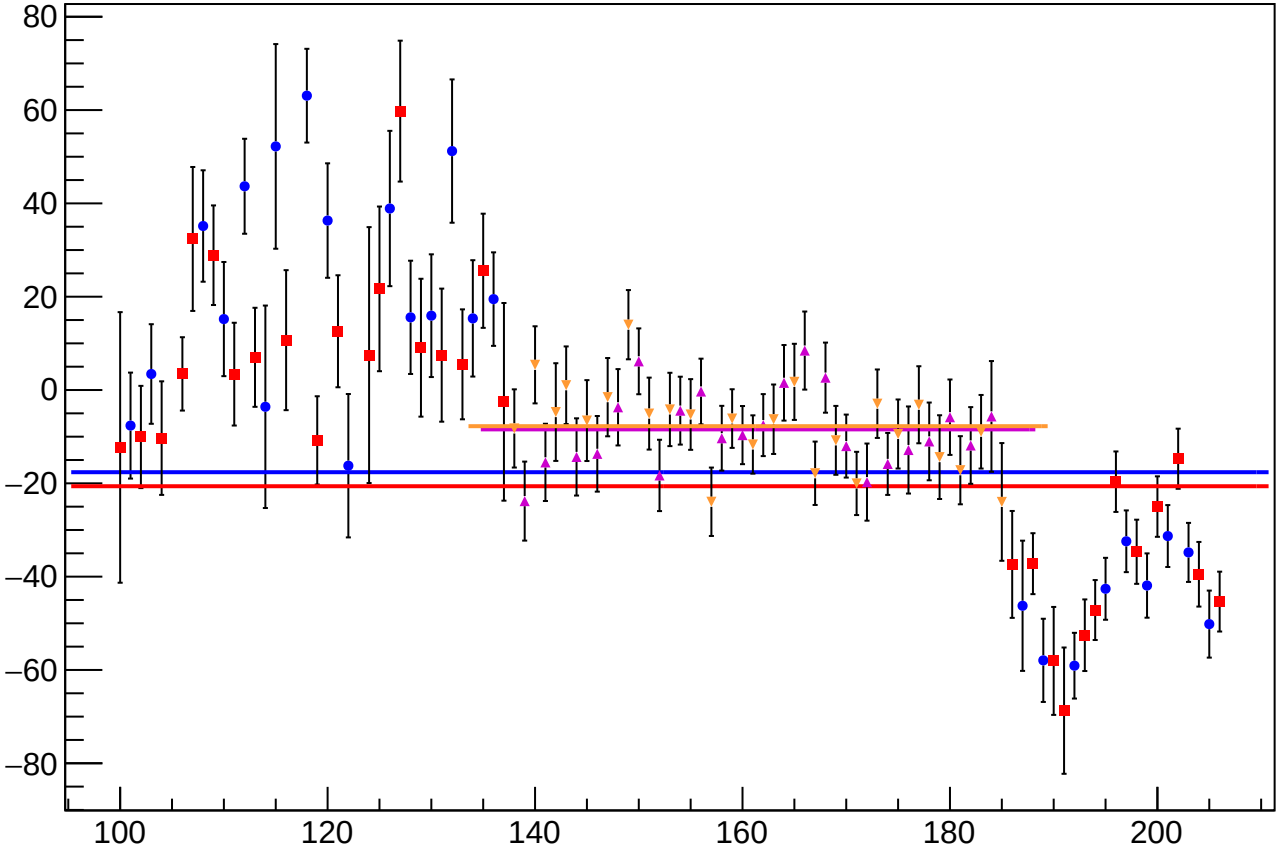
Right: 1225.439+/-0.177 χ^2/NDF: 11911861.0/55

In: 1268.398+/-0.168 χ^2/NDF:7174934.5/47

Out: 1247.792+/-0.156 χ^2/NDF:6428910.8/55

All: 1257.382+/-0.114 χ^2/NDF: 13611923.4/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -17.615+/-1.913 χ^2/NDF: 351.5/24

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -20.621+/-1.708 χ^2/NDF: 225.8/30

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

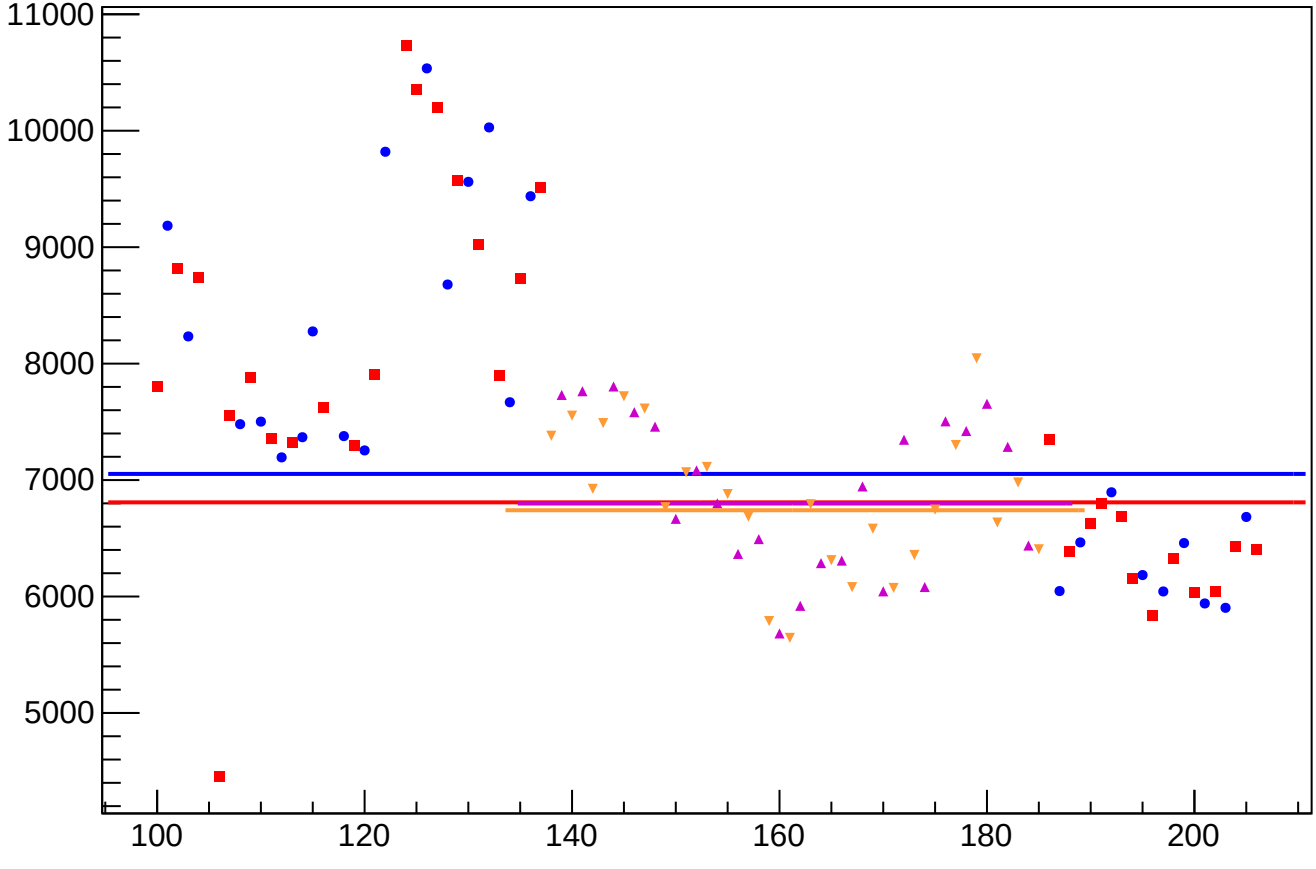
Right: -19.288+/-1.274 χ^2/NDF: 578.7/55

In: -12.228+/-1.229 χ^2/NDF:389.8/47

Out: -13.551+/-1.146 χ^2/NDF:287.5/55

All: -12.935+/-0.838 χ^2/NDF: 677.8/103

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7052.797+/-1.353 χ^2/NDF: 807348.1/24

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6808.615+/-1.208 χ^2/NDF: 961209.9/30

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

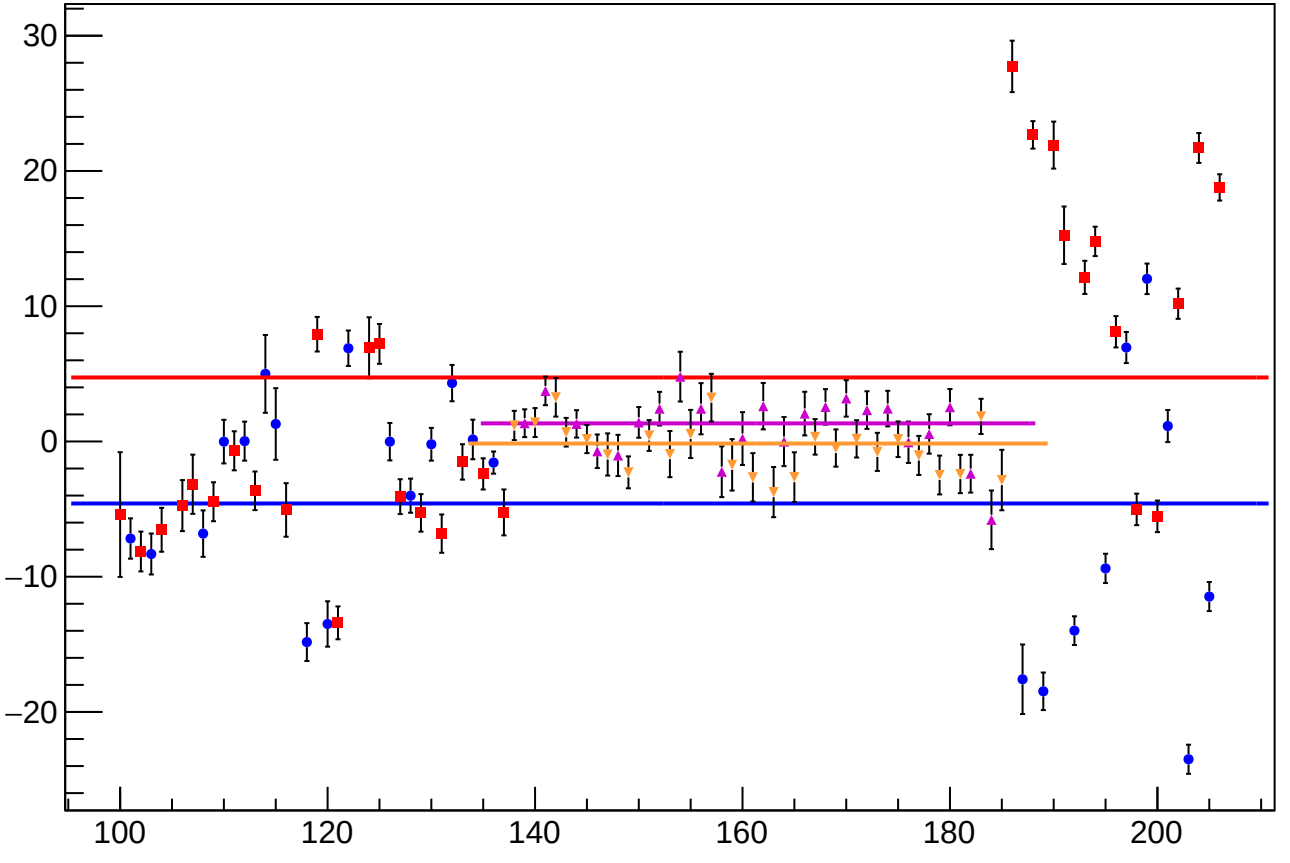
Right: 6916.910+/-0.901 χ^2/NDF: 1786689.7/55

In: 6903.533+/-0.869 χ^2/NDF:1181365.4/47

Out: 6771.374+/-0.811 χ^2/NDF:1279648.2/55

All: 6832.840+/-0.593 χ^2/NDF: 2473375.5/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.586+/-0.262 χ^2/NDF: 1209.7/24

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 4.732+/-0.246 χ^2/NDF: 2102.8/30

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

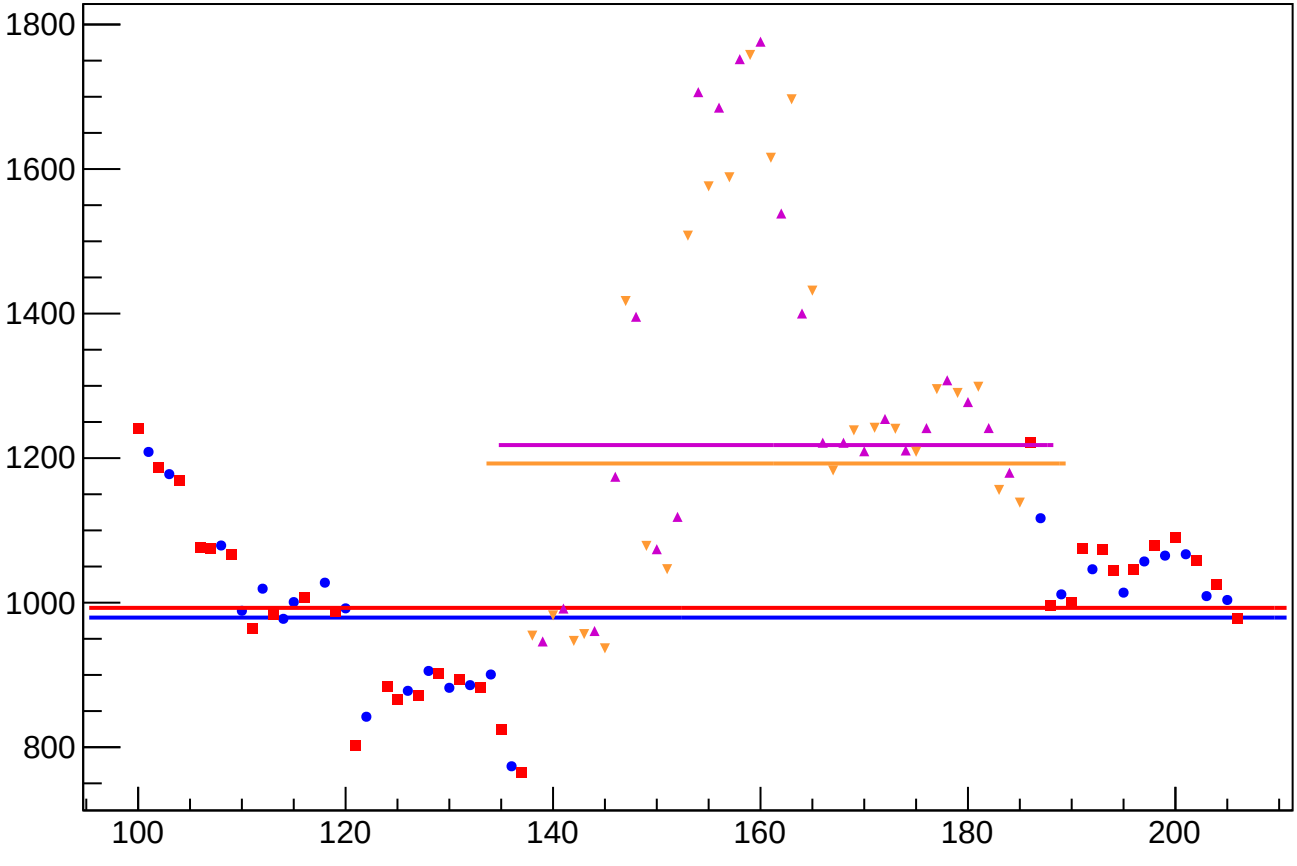
Right: 0.374+/-0.179 χ^2/NDF: 3984.1/55

In: -1.922+/-0.195 χ^2/NDF:1483.0/47

Out: 2.577+/-0.184 χ^2/NDF:2312.9/55

All: 0.455+/-0.134 χ^2/NDF: 4078.5/103

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 979.352+/-0.185 χ^2/NDF: 337329.0/24

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.801+/-0.174 χ^2/NDF: 358783.7/30

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

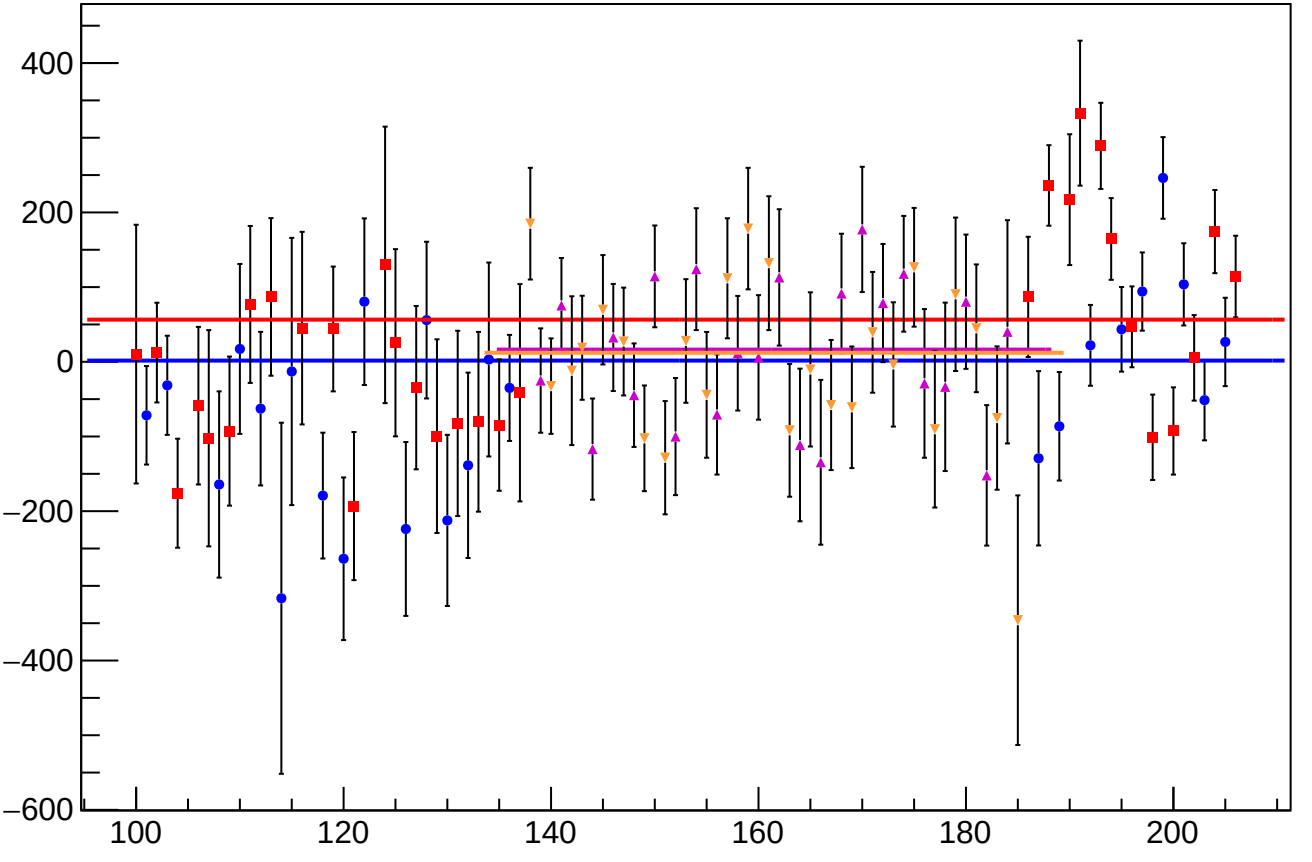
Right: 986.511+/-0.127 χ^2/NDF: 698911.1/55

In: 1086.702+/-0.138 χ^2/NDF:2210096.4/47

Out: 1080.949+/-0.130 χ^2/NDF:2261504.1/55

All: 1083.662+/-0.094 χ^2/NDF: 4472524.4/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 1.615+/-15.450 χ^2/NDF: 56.7/24

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 56.462+/-14.160 χ^2/NDF: 93.1/30

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

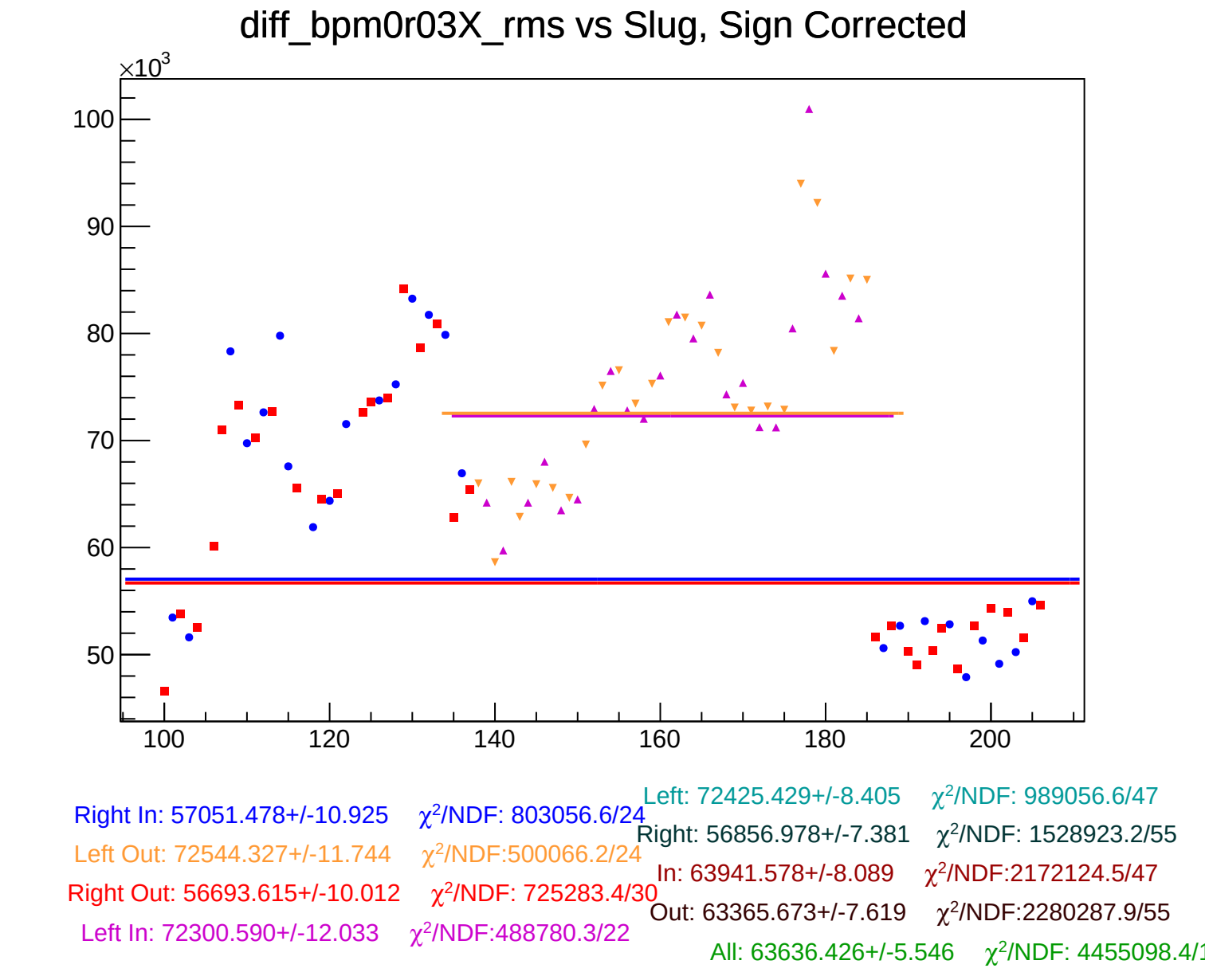
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 31.424+/-10.439 χ^2/NDF: 156.7/55

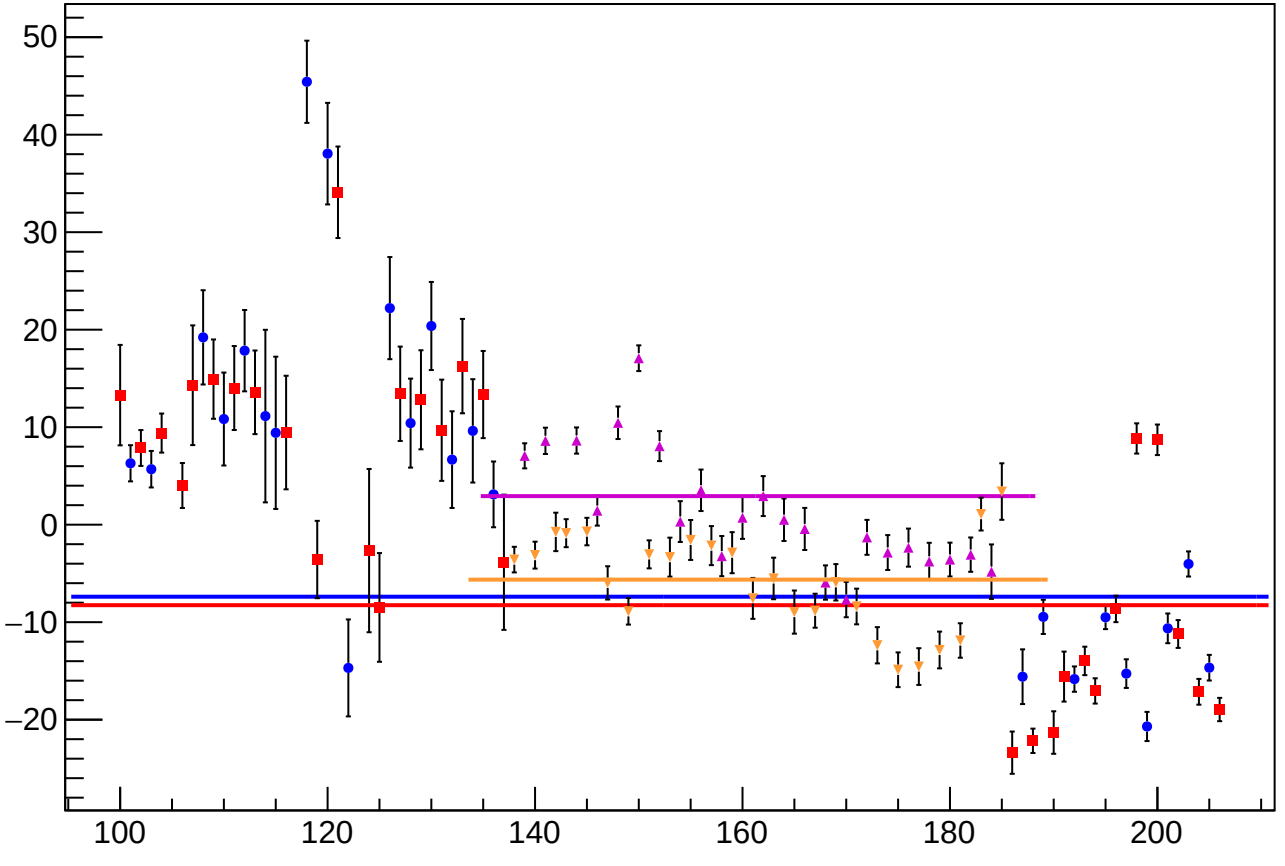
In: 8.268+/-11.439 χ^2/NDF:85.9/47

Out: 37.781+/-10.775 χ^2/NDF:130.1/55

All: 23.906+/-7.843 χ^2/NDF: 219.5/103


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 57051.478+/-10.925 χ²/NDF: 803056.6/24
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56693.615+/-10.012 χ²/NDF: 725283.4/30
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 56856.978+/-7.381 χ²/NDF: 1528923.2/55
In: 63941.578+/-8.089 χ²/NDF:2172124.5/47
Out: 63365.673+/-7.619 χ²/NDF:2280287.9/55
All: 63636.426+/-5.546 χ²/NDF: 4455098.4/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -7.387+/-0.429 χ^2/NDF: 747.1/24

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -8.257+/-0.384 χ^2/NDF: 1137.3/30

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

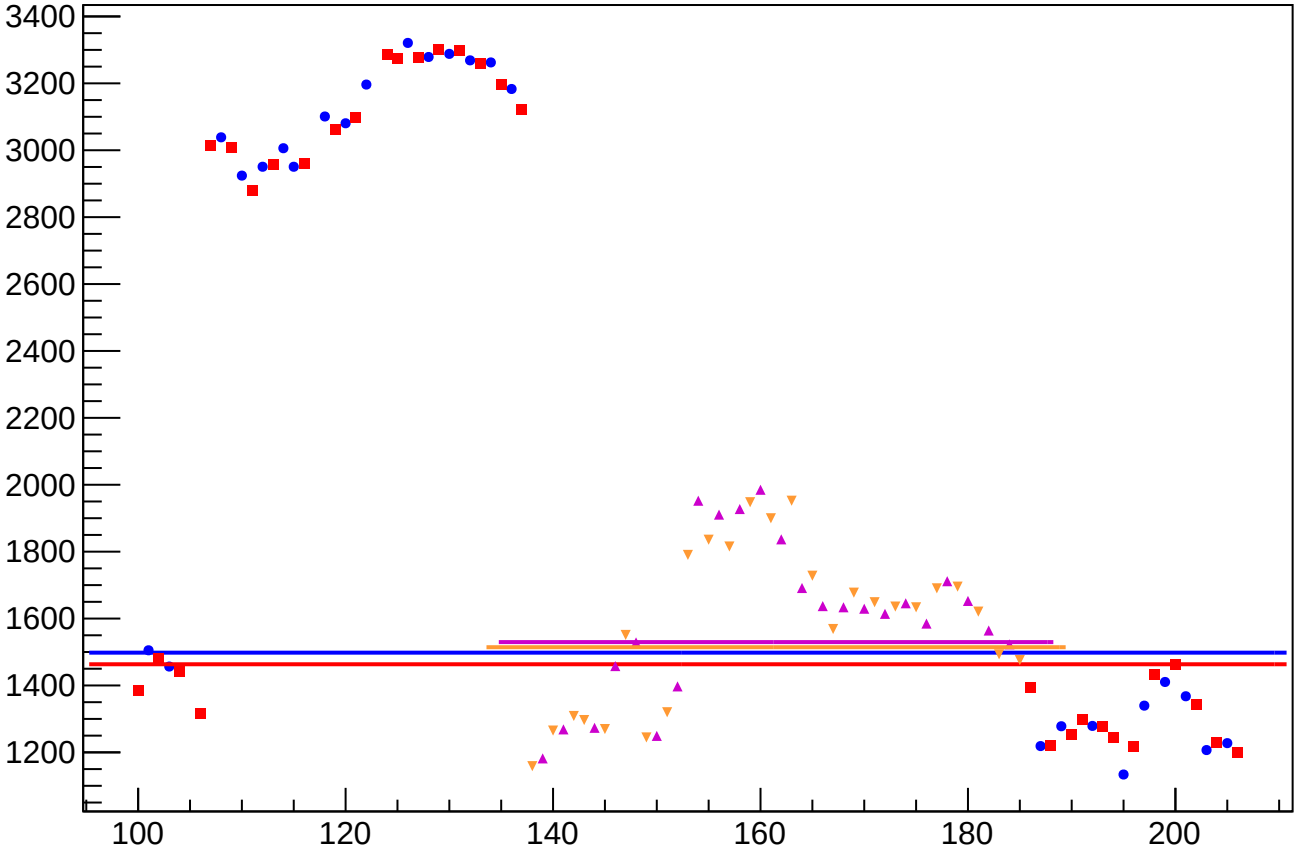
Right: -7.871+/-0.286 χ^2/NDF: 1886.7/55

In: -1.362+/-0.277 χ^2/NDF:1421.8/47

Out: -6.823+/-0.258 χ^2/NDF:1341.1/55

All: -4.284+/-0.189 χ^2/NDF: 2971.0/103

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1498.070+/-0.304 χ^2/NDF: 3817094.4/24

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1463.371+/-0.271 χ^2/NDF: 3807383.9/30

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

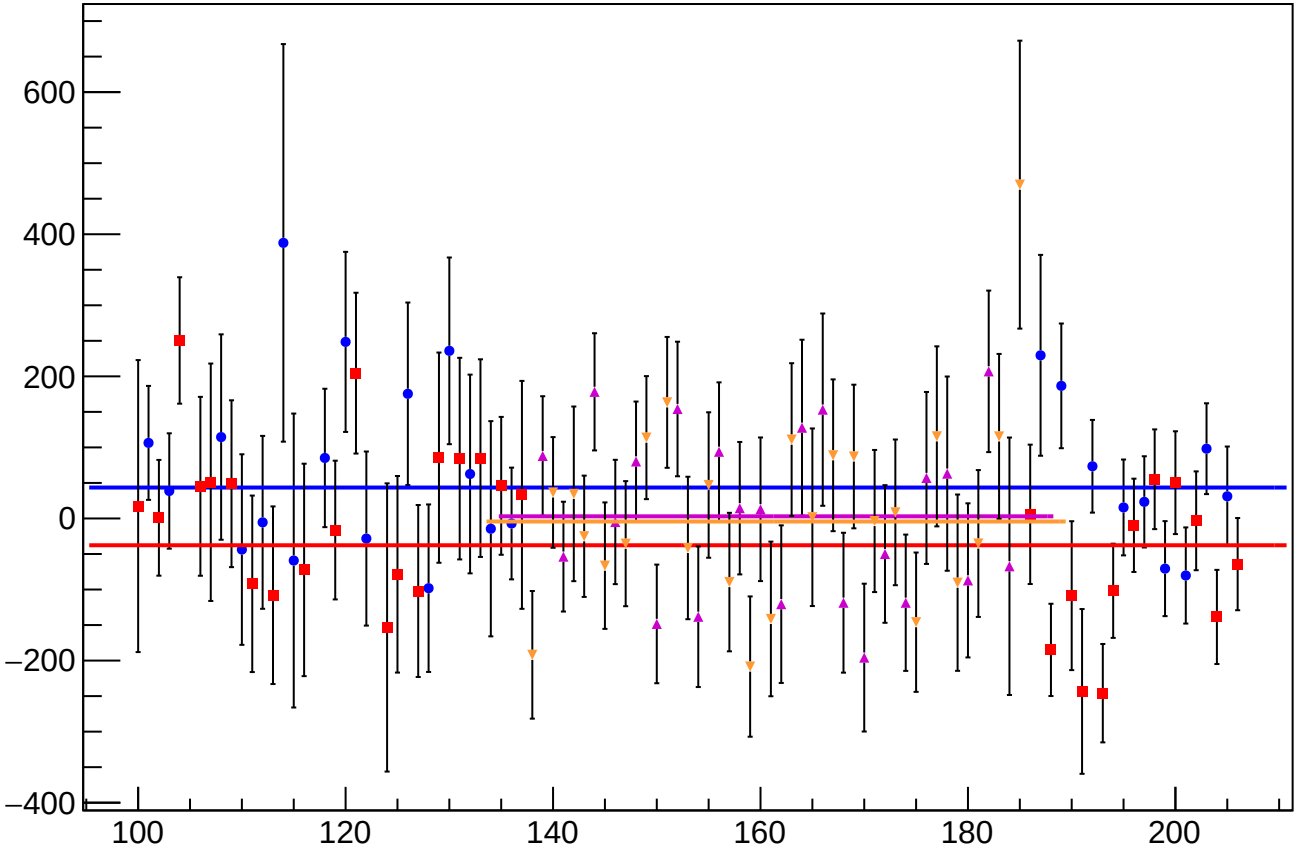
Right: 1478.775+/-0.202 χ^2/NDF: 7631745.4/55

In: 1516.505+/-0.196 χ^2/NDF:4651892.0/47

Out: 1491.248+/-0.183 χ^2/NDF:4760031.5/55

All: 1502.994+/-0.134 χ^2/NDF: 9420827.4/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 43.527+/-18.367 χ^2/NDF: 23.5/24

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -37.703+/-16.886 χ^2/NDF: 46.2/30

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

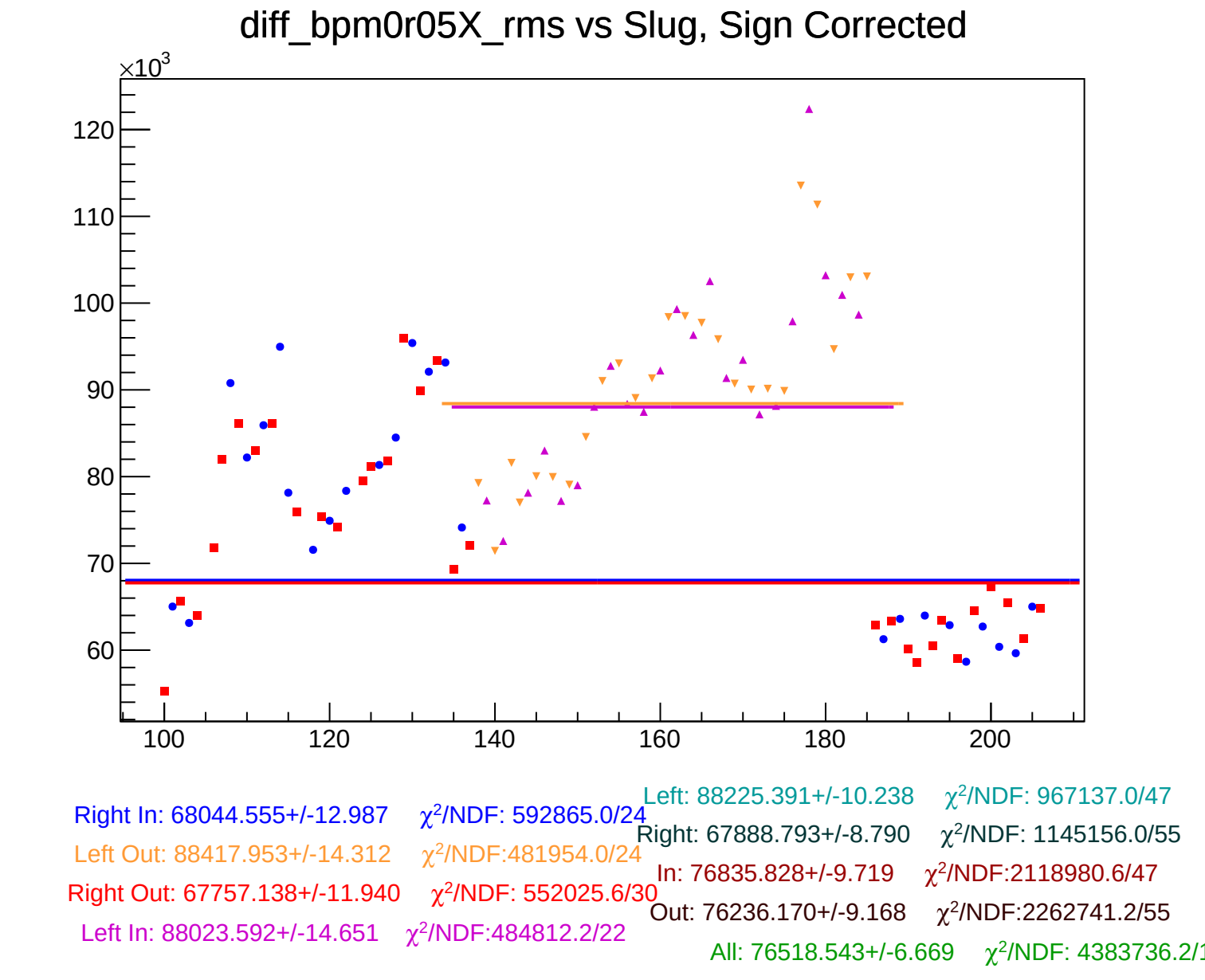
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: -0.494+/-12.431 χ^2/NDF: 80.2/55

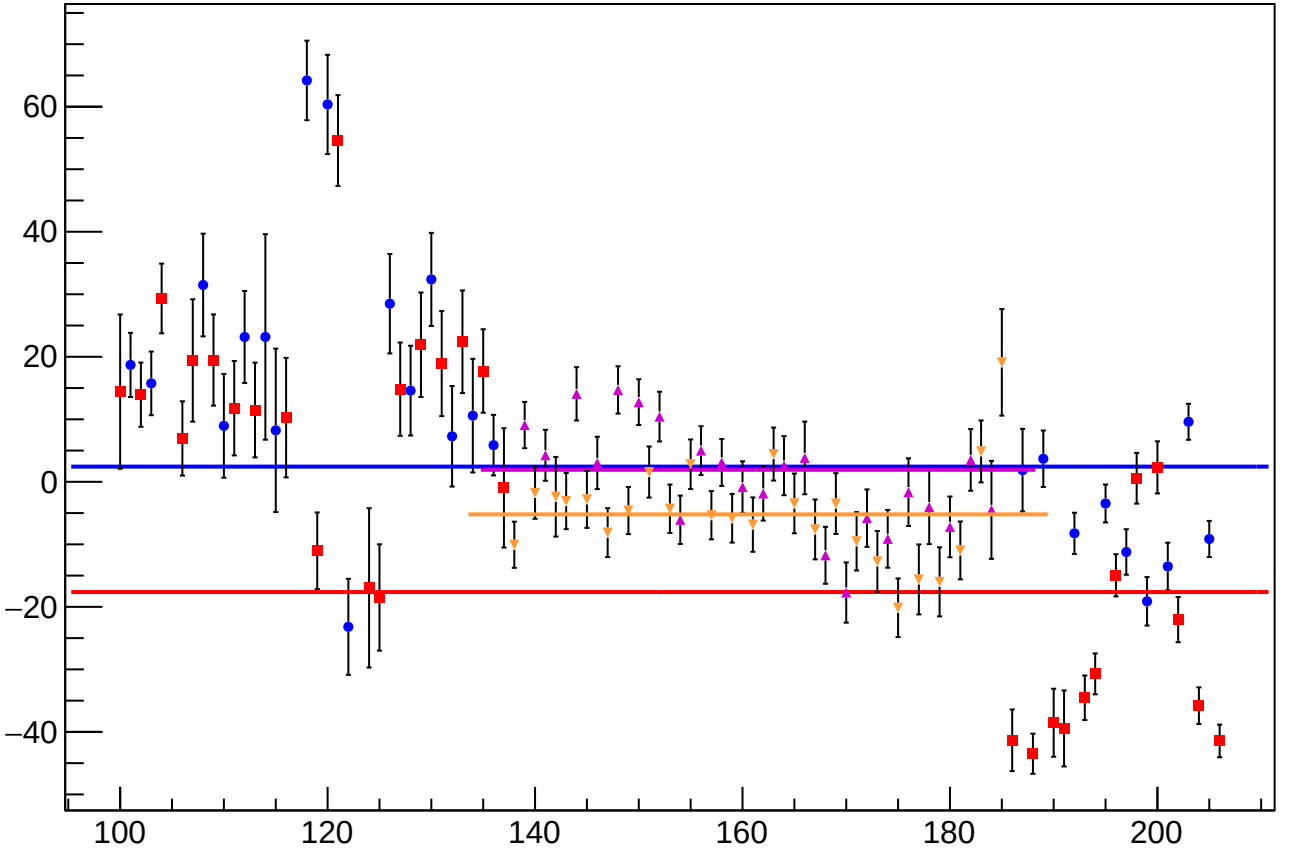
In: 25.702+/-13.744 χ^2/NDF:56.3/47

Out: -23.984+/-12.966 χ^2/NDF:78.2/55

All: -0.588+/-9.432 χ^2/NDF: 141.5/103


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 68044.555+/-12.987 χ²/NDF: 592865.0/24
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67757.138+/-11.940 χ²/NDF: 552025.6/30
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 67888.793+/-8.790 χ²/NDF: 1145156.0/55
In: 76835.828+/-9.719 χ²/NDF:2118980.6/47
Out: 76236.170+/-9.168 χ²/NDF:2262741.2/55
All: 76518.543+/-6.669 χ²/NDF: 4383736.2/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.433+/-0.981 χ^2/NDF: 329.2/24

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -17.631+/-0.891 χ^2/NDF: 748.1/30

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

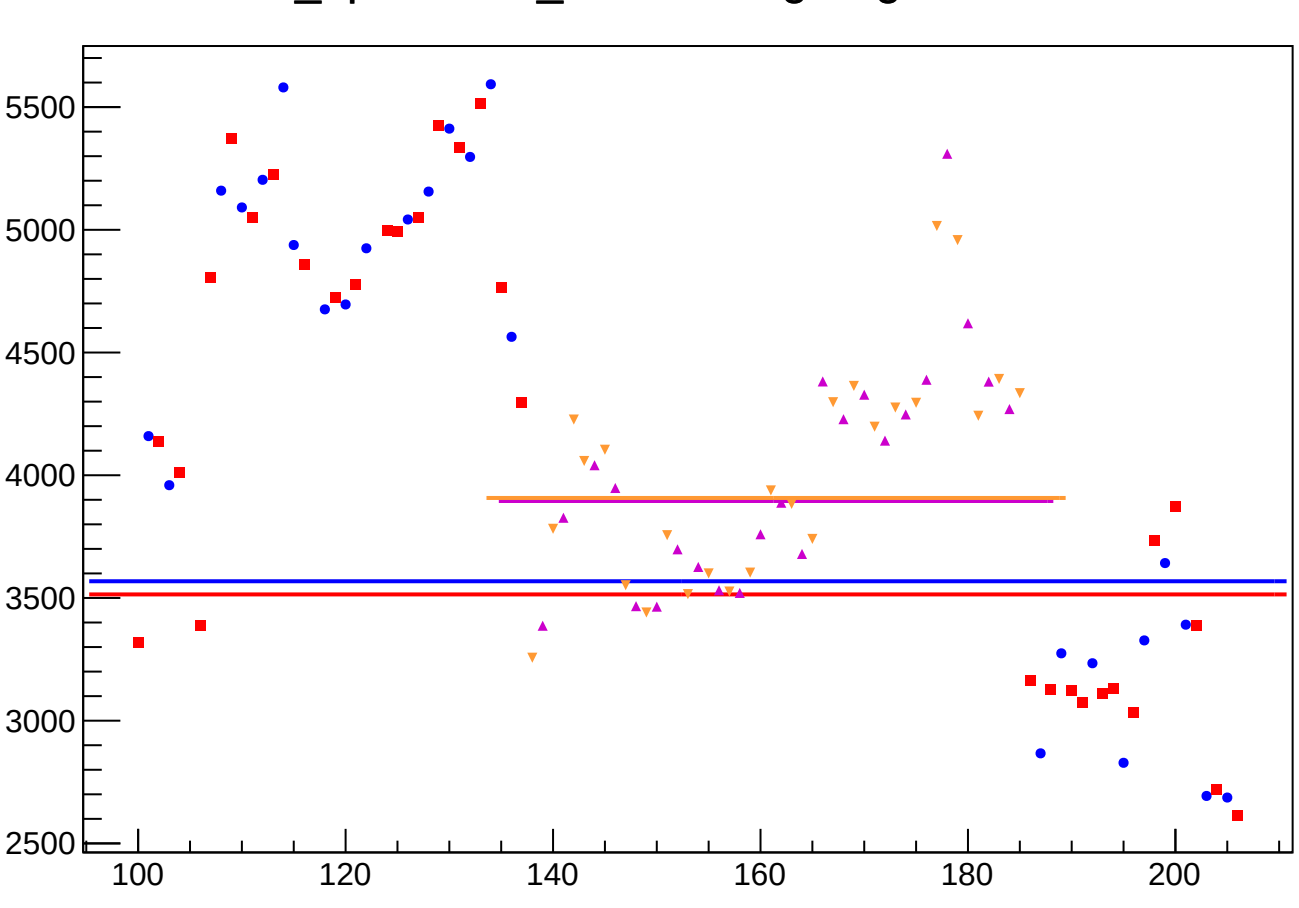
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -8.555+/-0.660 χ^2/NDF: 1306.6/55

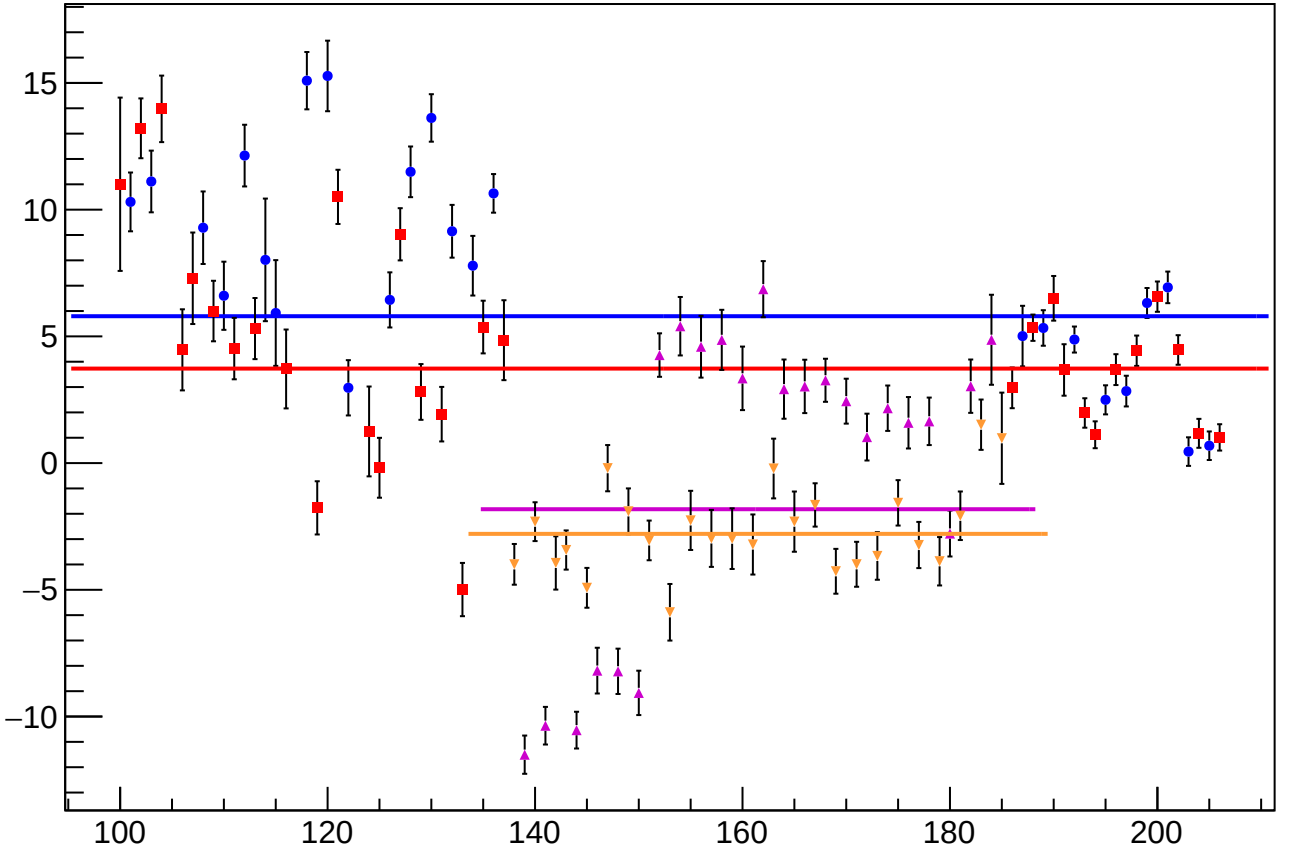
In: 2.161+/-0.670 χ^2/NDF:412.6/47

Out: -11.436+/-0.631 χ^2/NDF:896.0/55

All: -5.038+/-0.459 χ^2/NDF: 1527.0/103


diff_bpm0r05Y_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
100
120
140
160
180
200
Right In: 3568.098+/-0.694 χ²/NDF: 1615588.5/24
Left Out: 3907.465+/-0.632 χ²/NDF:441202.5/24
Right Out: 3514.463+/-0.630 χ²/NDF: 1711089.5/30
Left In: 3895.108+/-0.648 χ²/NDF:409913.9/22
Left: 3901.439+/-0.452 χ²/NDF: 851302.8/47
Right: 3538.725+/-0.466 χ²/NDF: 3329953.6/55
In: 3742.707+/-0.473 χ²/NDF:2144223.1/47
Out: 3710.418+/-0.446 χ²/NDF:2346144.2/55
All: 3725.611+/-0.325 χ²/NDF: 4492830.1/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.796+/-0.167 χ^2/NDF: 582.7/24

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.729+/-0.150 χ^2/NDF: 448.8/30

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

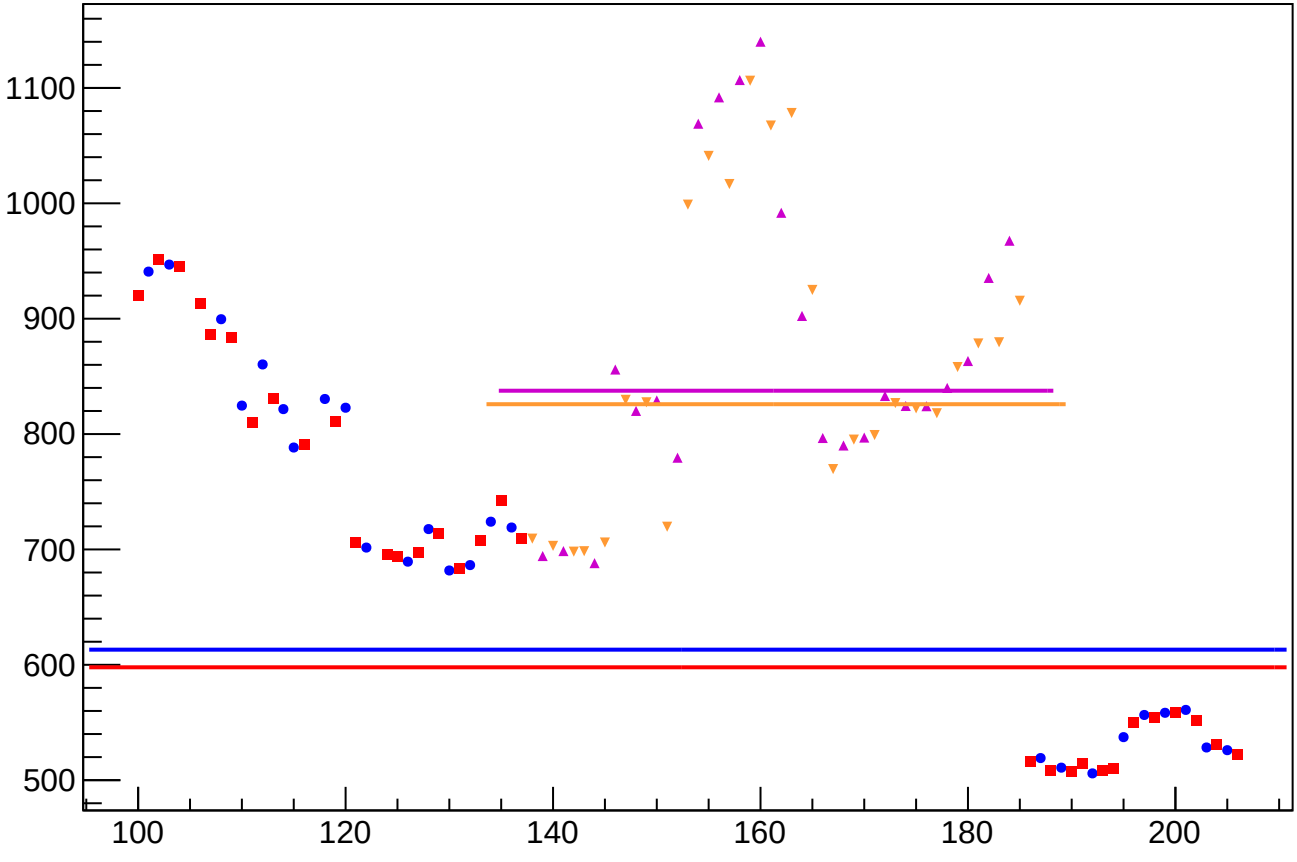
Right: 4.656+/-0.112 χ^2/NDF: 1116.3/55

In: 2.643+/-0.127 χ^2/NDF:2474.3/47

Out: 1.221+/-0.118 χ^2/NDF:1241.7/55

All: 1.876+/-0.087 χ^2/NDF: 3783.0/103

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 613.129+/-0.118 χ^2/NDF: 1111046.0/24

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 597.838+/-0.106 χ^2/NDF: 1324602.3/30

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

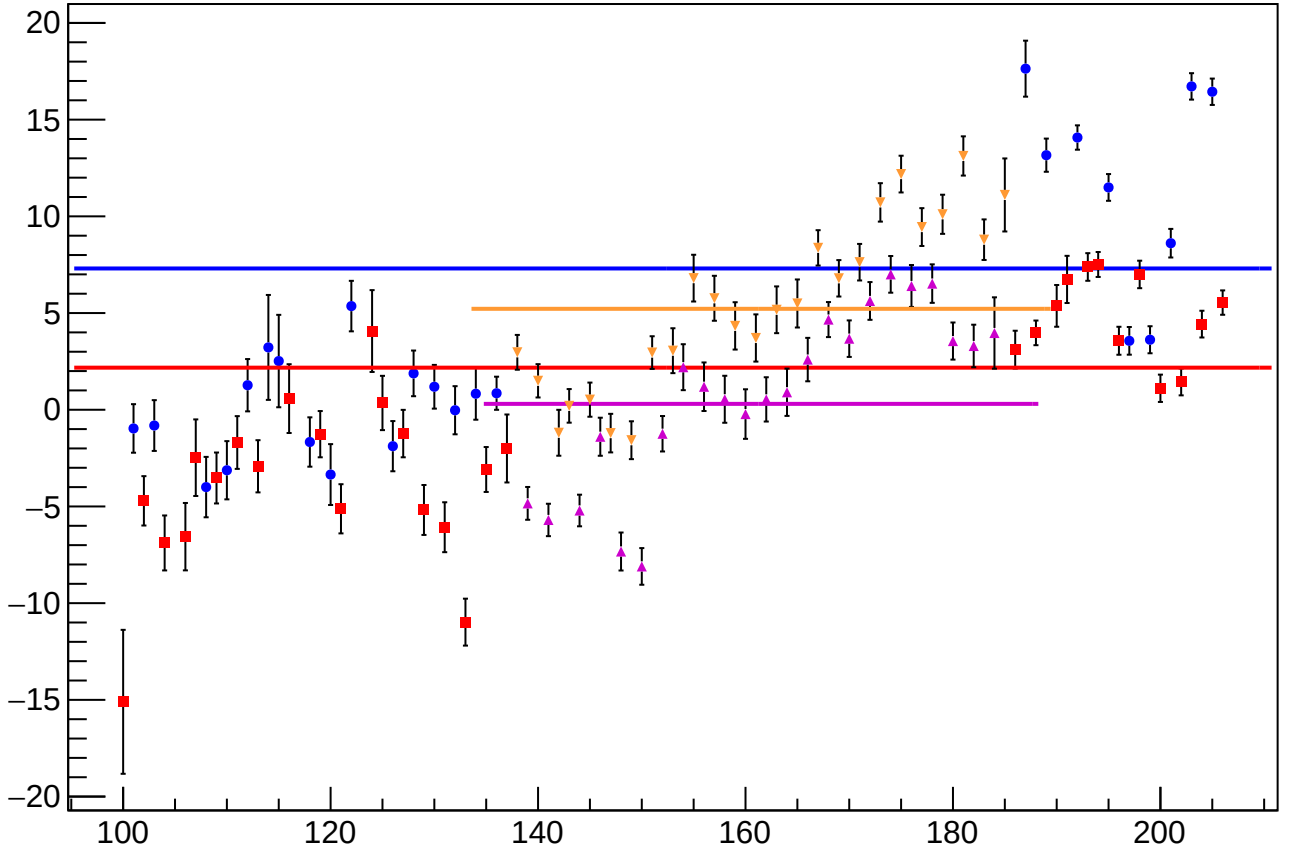
Right: 604.700+/-0.079 χ^2/NDF: 2444942.3/55

In: 706.033+/-0.090 χ^2/NDF:3328731.1/47

Out: 685.545+/-0.083 χ^2/NDF:3861364.9/55

All: 694.987+/-0.061 χ^2/NDF: 7217938.3/103

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 7.305+/-0.197 χ^2/NDF: 1198.9/24

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 2.177+/-0.178 χ^2/NDF: 678.0/30

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

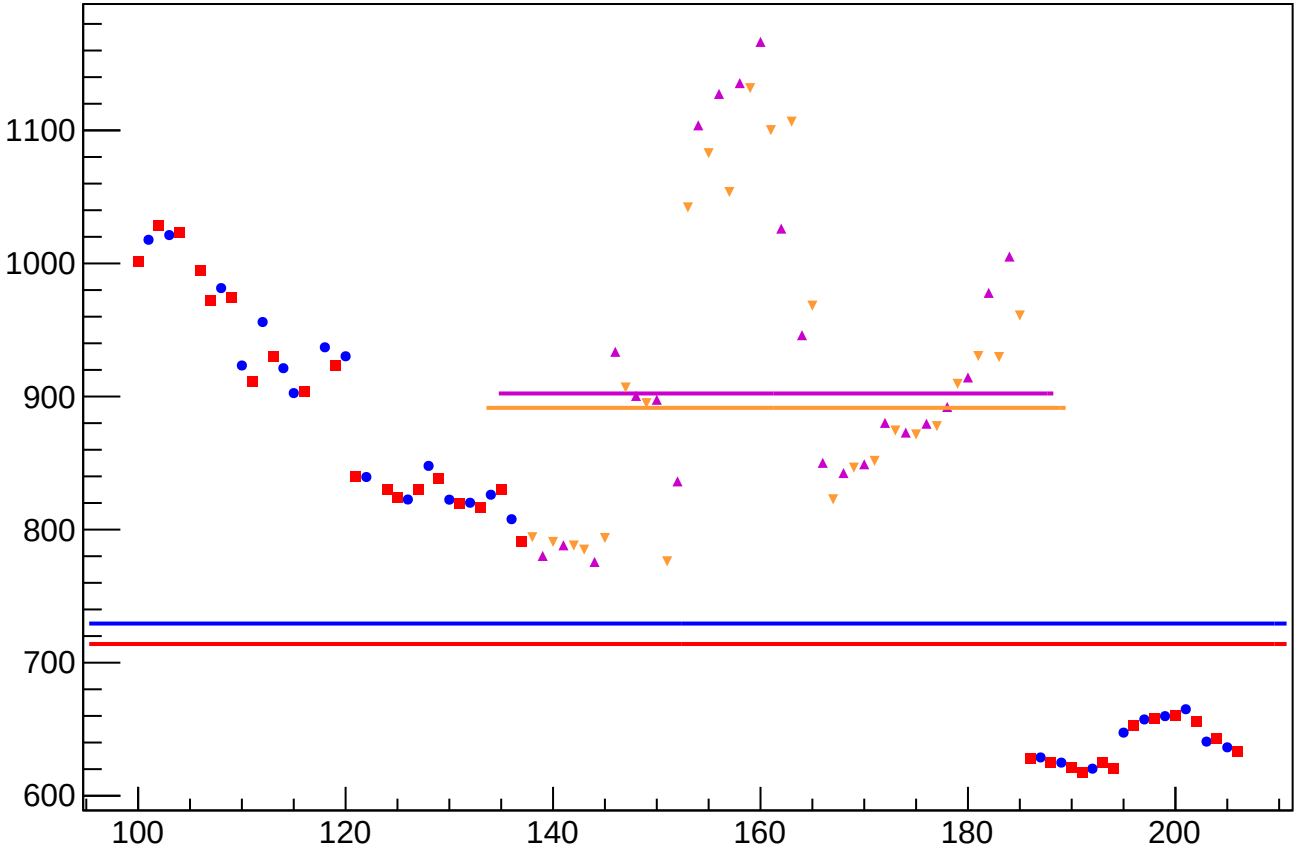
Right: 4.488+/-0.132 χ^2/NDF: 2249.2/55

In: 4.071+/-0.145 χ^2/NDF:2277.3/47

Out: 3.493+/-0.134 χ^2/NDF:1253.7/55

All: 3.761+/-0.098 χ^2/NDF: 3539.6/103

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 729.408+/-0.139 χ^2/NDF: 801704.7/24

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 714.035+/-0.126 χ^2/NDF: 957342.3/30

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

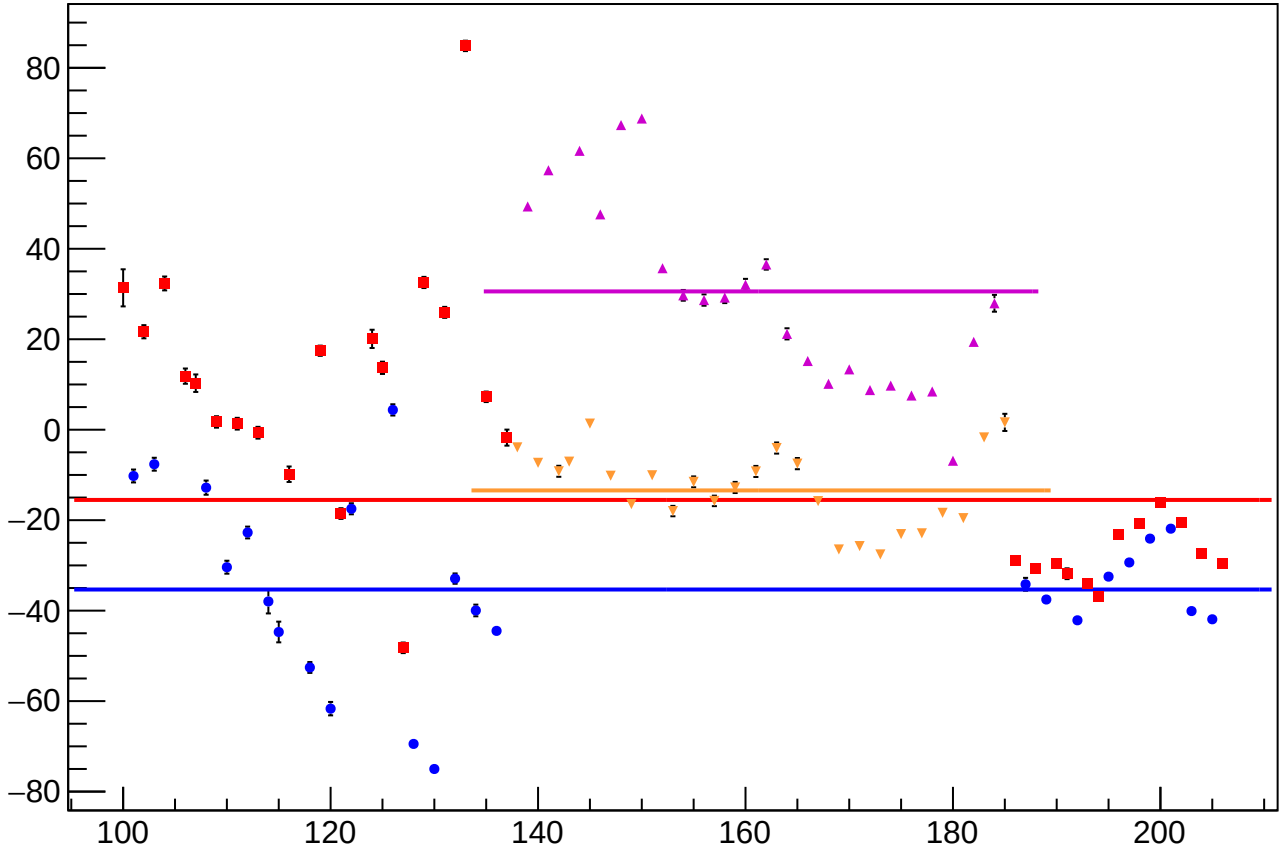
Right: 720.963+/-0.094 χ^2/NDF: 1765735.8/55

In: 809.264+/-0.102 χ^2/NDF:1997894.1/47

Out: 790.808+/-0.095 χ^2/NDF:2330687.8/55

All: 799.369+/-0.070 χ^2/NDF: 4346068.4/103

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -35.328+/-0.193 χ^2/NDF: 6175.7/24

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -15.525+/-0.175 χ^2/NDF: 19843.4/30

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

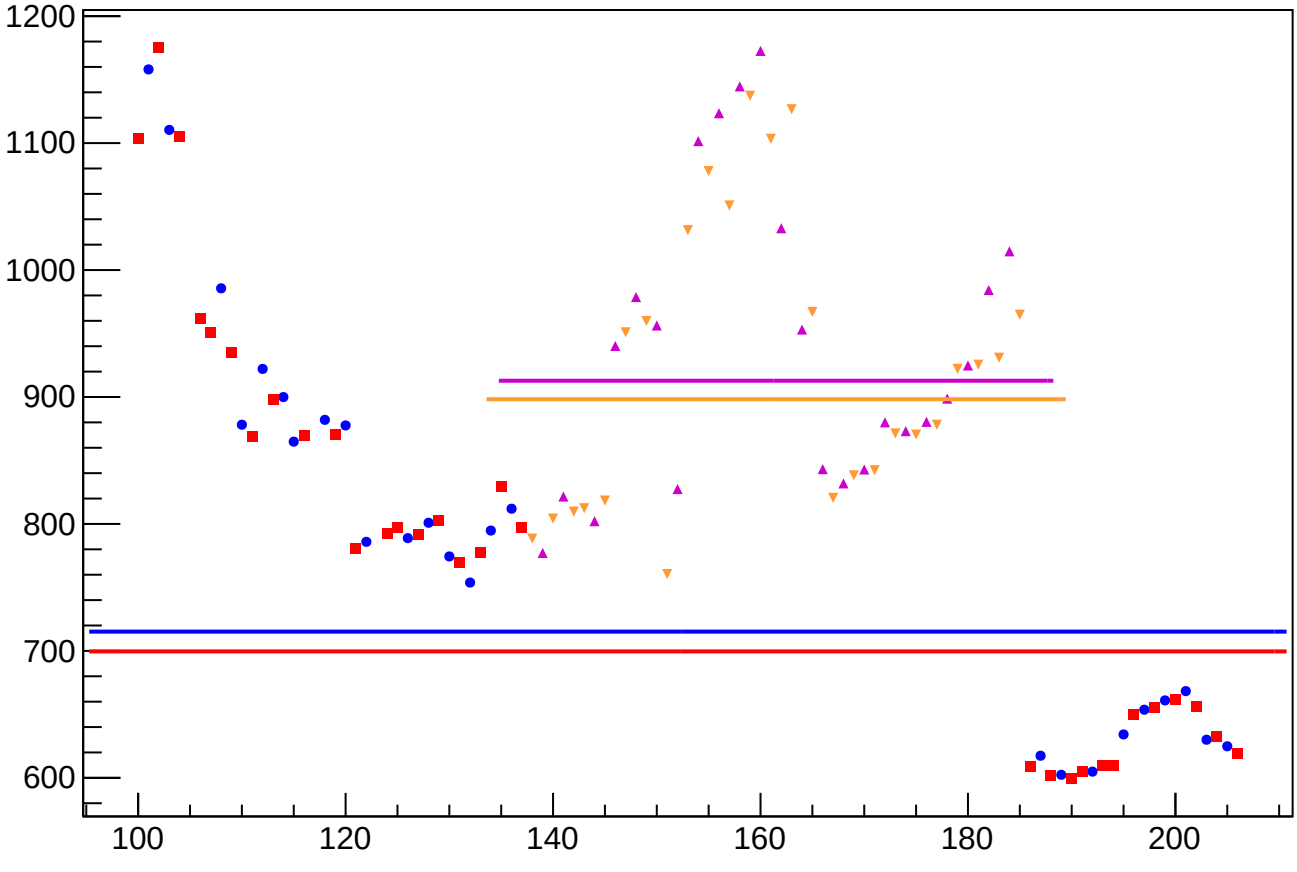
Right: -24.440+/-0.130 χ^2/NDF: 31783.5/55

In: -5.880+/-0.144 χ^2/NDF:68443.5/47

Out: -14.643+/-0.133 χ^2/NDF:21567.3/55

All: -10.592+/-0.098 χ^2/NDF: 92006.7/103

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 715.185+/-0.137 χ^2/NDF: 872452.4/24

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 699.592+/-0.124 χ^2/NDF: 1025394.6/30

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

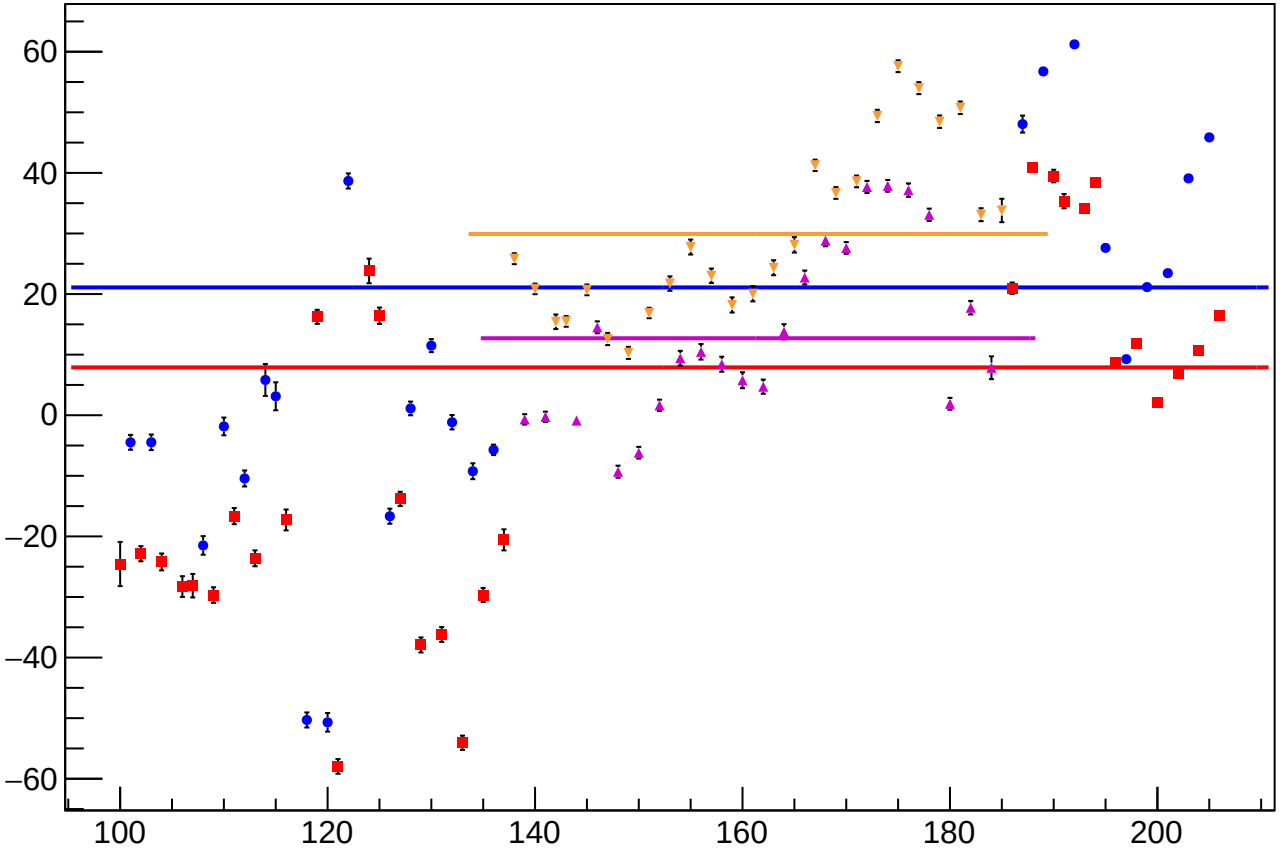
Right: 706.612+/-0.092 χ^2/NDF: 1904994.3/55

In: 803.501+/-0.102 χ^2/NDF:2285707.4/47

Out: 782.876+/-0.094 χ^2/NDF:2624124.1/55

All: 792.410+/-0.069 χ^2/NDF: 4931942.7/103

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 21.097+/-0.191 χ^2/NDF: 20491.6/24

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.901+/-0.173 χ^2/NDF: 22845.3/30

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

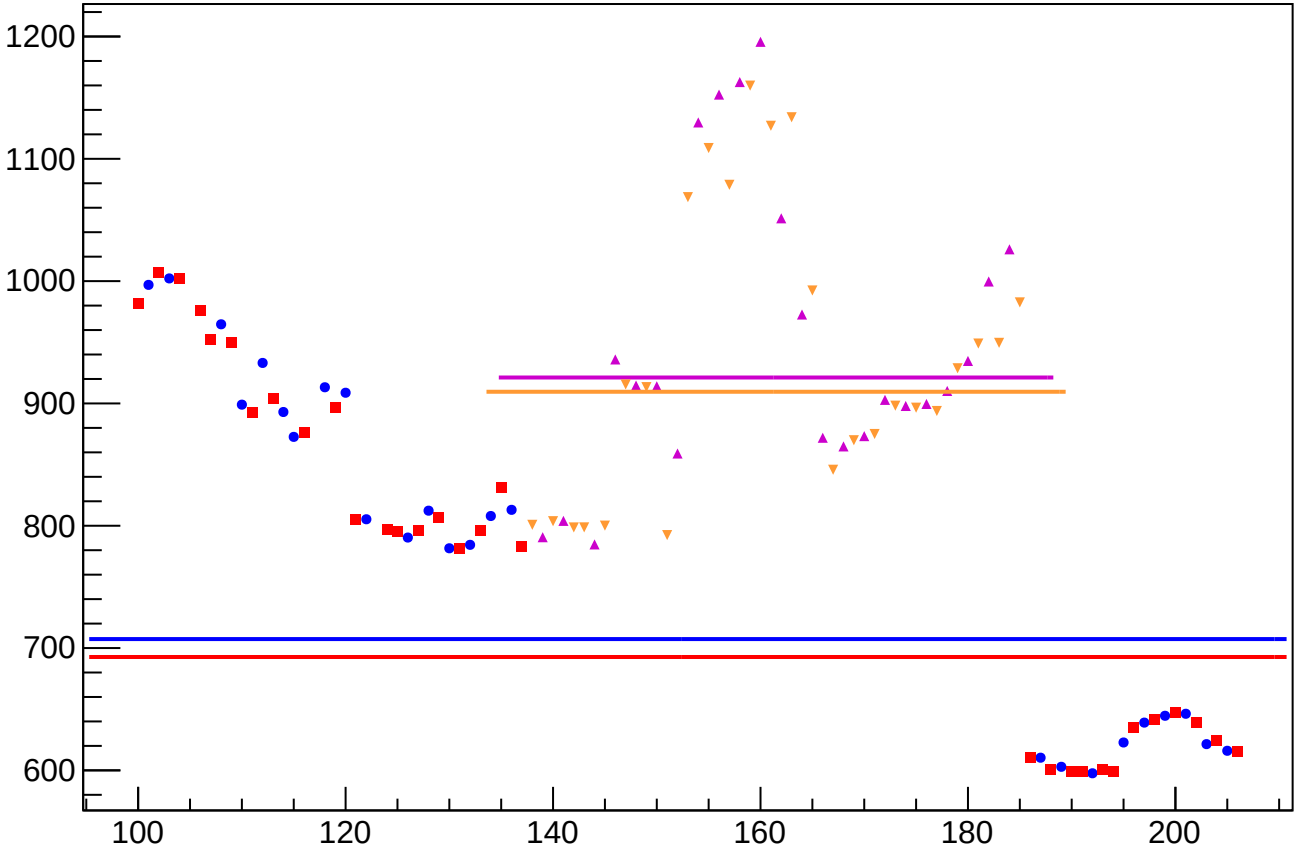
Right: 13.849+/-0.128 χ^2/NDF: 45955.0/55

In: 17.434+/-0.143 χ^2/NDF:26123.9/47

Out: 16.886+/-0.133 χ^2/NDF:34025.2/55

All: 17.140+/-0.098 χ^2/NDF: 60156.9/103

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 707.341+/-0.135 χ^2/NDF: 834093.2/24

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 692.687+/-0.122 χ^2/NDF: 984520.3/30

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

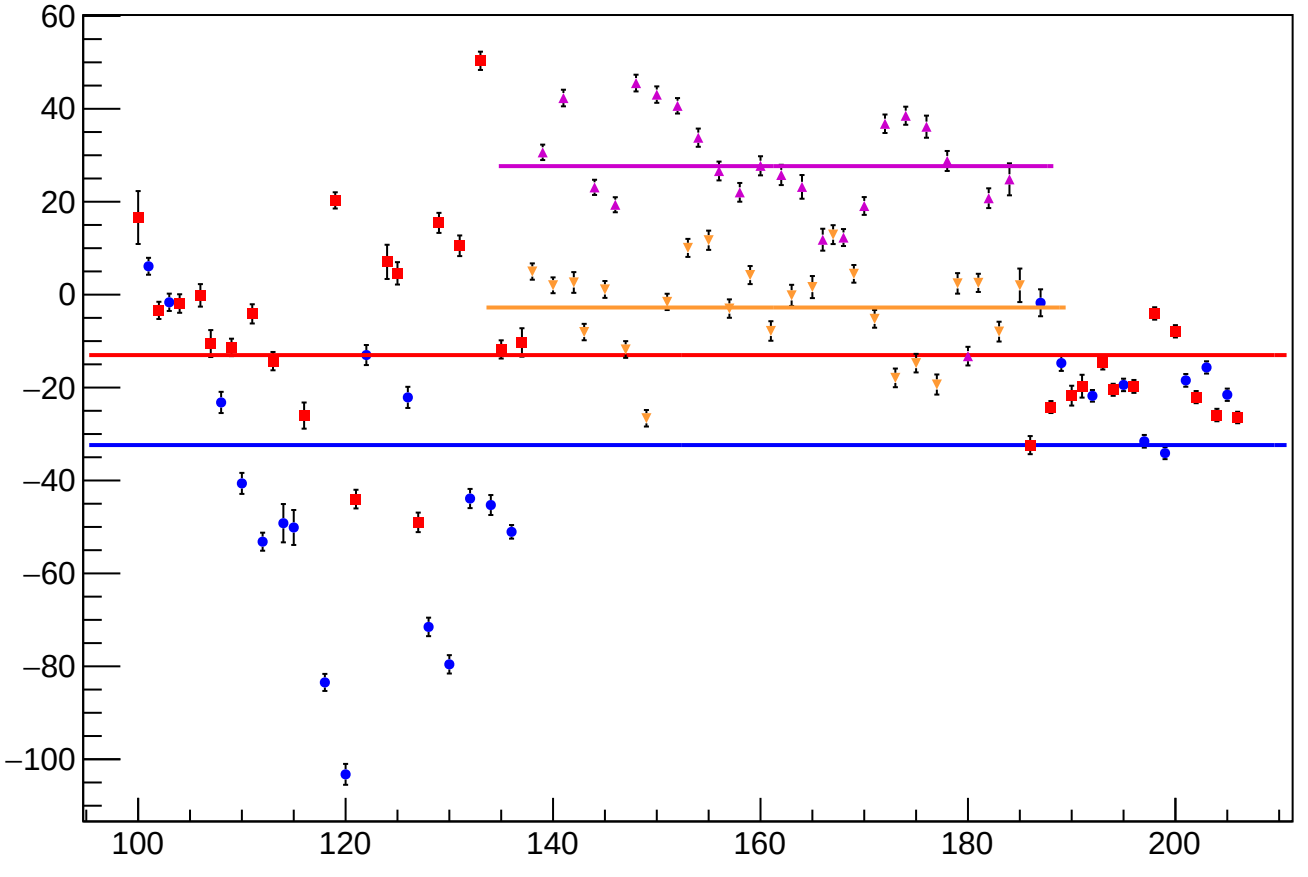
Right: 699.292+/-0.091 χ^2/NDF: 1825069.7/55

In: 800.713+/-0.101 χ^2/NDF:2424525.3/47

Out: 781.178+/-0.094 χ^2/NDF:2806334.5/55

All: 790.223+/-0.069 χ^2/NDF: 5250772.5/103

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -32.375+/-0.350 χ^2/NDF: 4675.9/24

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -13.010+/-0.322 χ^2/NDF: 3032.7/30

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

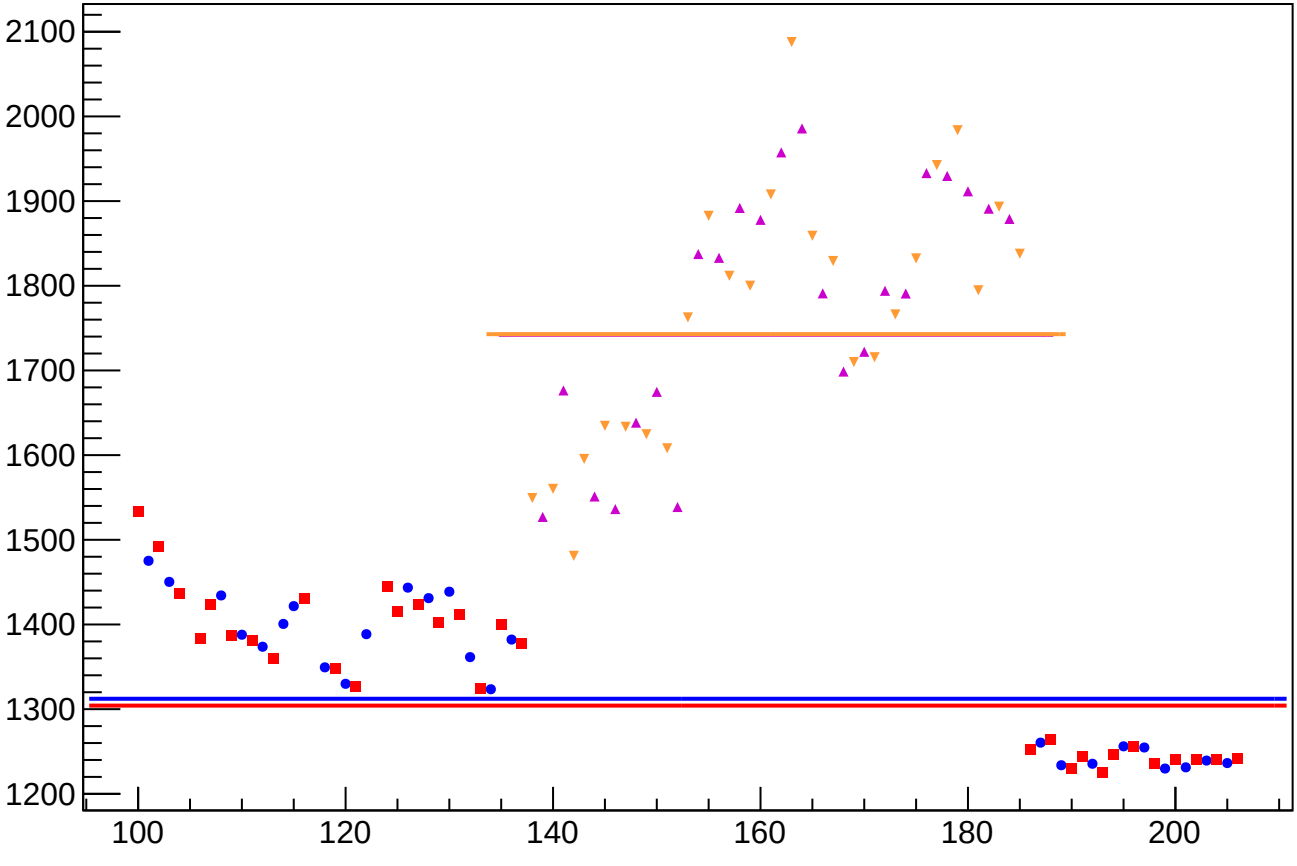
Right: -21.881+/-0.237 χ^2/NDF: 9367.7/55

In: -6.976+/-0.266 χ^2/NDF:18114.6/47

Out: -8.954+/-0.250 χ^2/NDF:4050.0/55

All: -8.025+/-0.182 χ^2/NDF: 22194.0/103

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1312.283+/-0.247 χ^2/NDF: 117896.8/24

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1304.205+/-0.228 χ^2/NDF: 124691.2/30

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

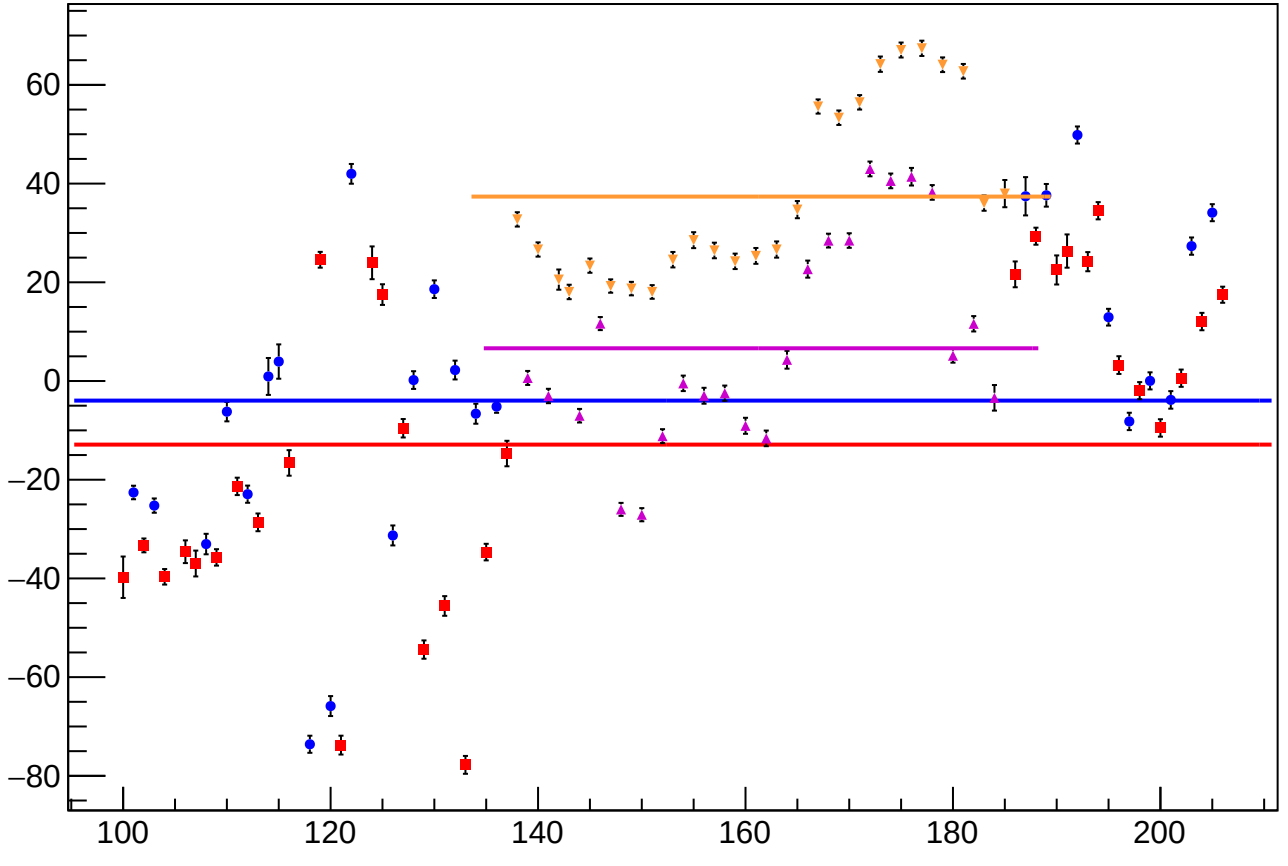
Right: 1307.905+/-0.168 χ^2/NDF: 243165.2/55

In: 1494.140+/-0.188 χ^2/NDF:1655873.7/47

Out: 1477.904+/-0.177 χ^2/NDF:1859448.7/55

All: 1485.527+/-0.129 χ^2/NDF: 3519280.2/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.968+/-0.368 χ^2/NDF: 6487.4/24

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -12.886+/-0.346 χ^2/NDF: 8012.9/30

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

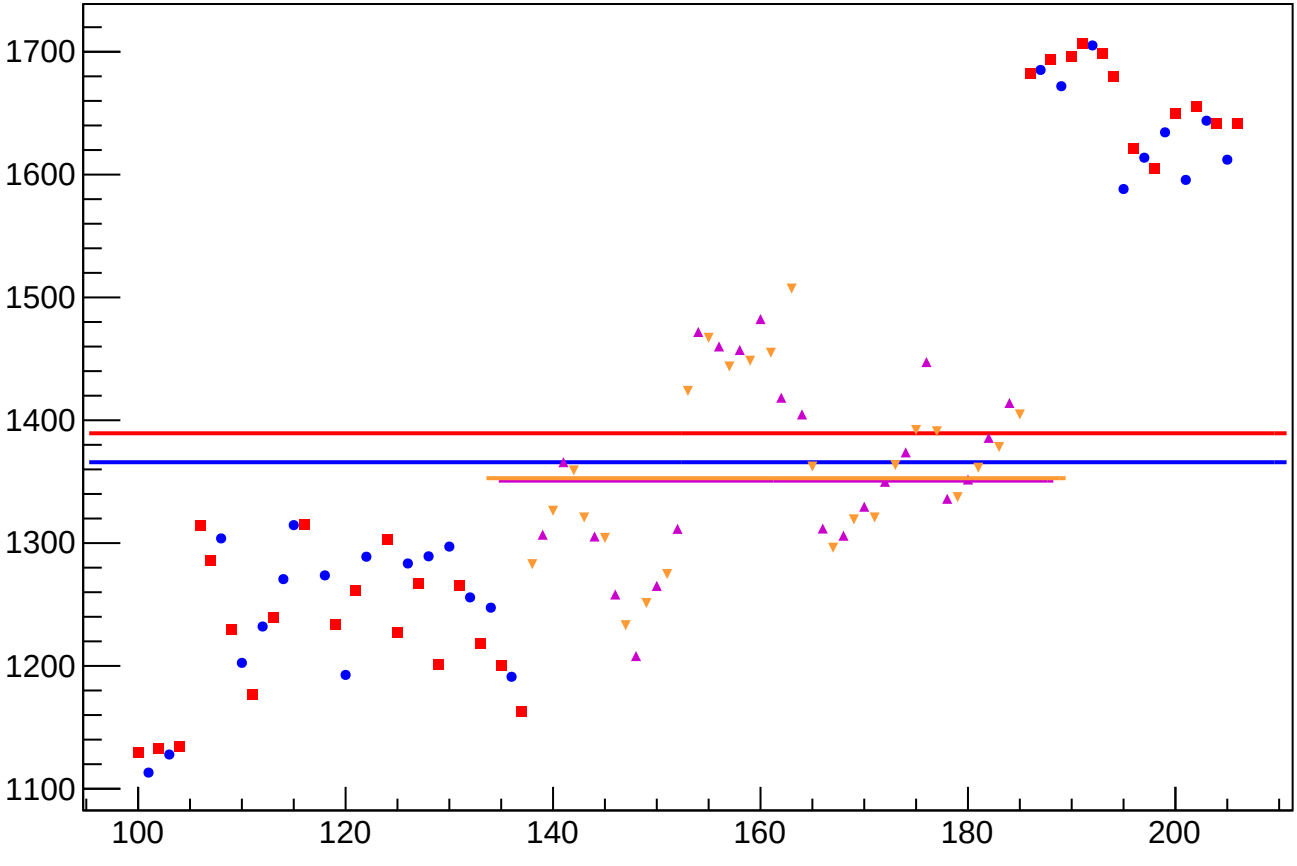
Right: -8.691+/-0.252 χ^2/NDF: 14811.9/55

In: 2.127+/-0.240 χ^2/NDF:11375.7/47

Out: 15.196+/-0.230 χ^2/NDF:23165.2/55

All: 8.926+/-0.166 χ^2/NDF: 36087.9/103

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1365.837+/-0.260 χ^2/NDF: 608735.4/24

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1389.399+/-0.245 χ^2/NDF: 807410.1/30

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

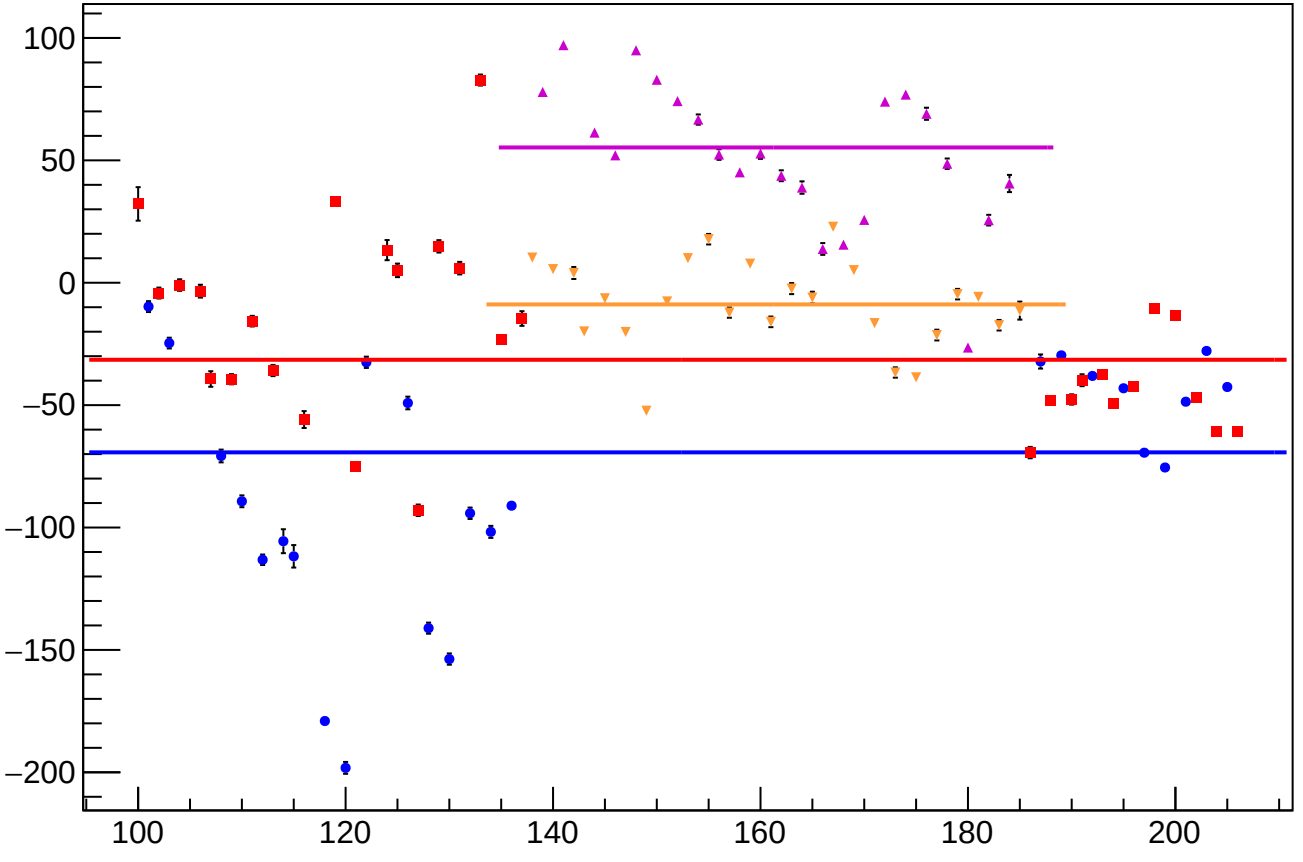
Right: 1378.316+/-0.178 χ^2/NDF: 1420496.5/55

In: 1357.208+/-0.169 χ^2/NDF:719270.0/47

Out: 1368.959+/-0.163 χ^2/NDF:924712.9/55

All: 1363.322+/-0.117 χ^2/NDF: 1646484.6/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -69.292+/-0.389 χ^2/NDF: 13517.5/24

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -31.468+/-0.355 χ^2/NDF: 8256.6/30

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

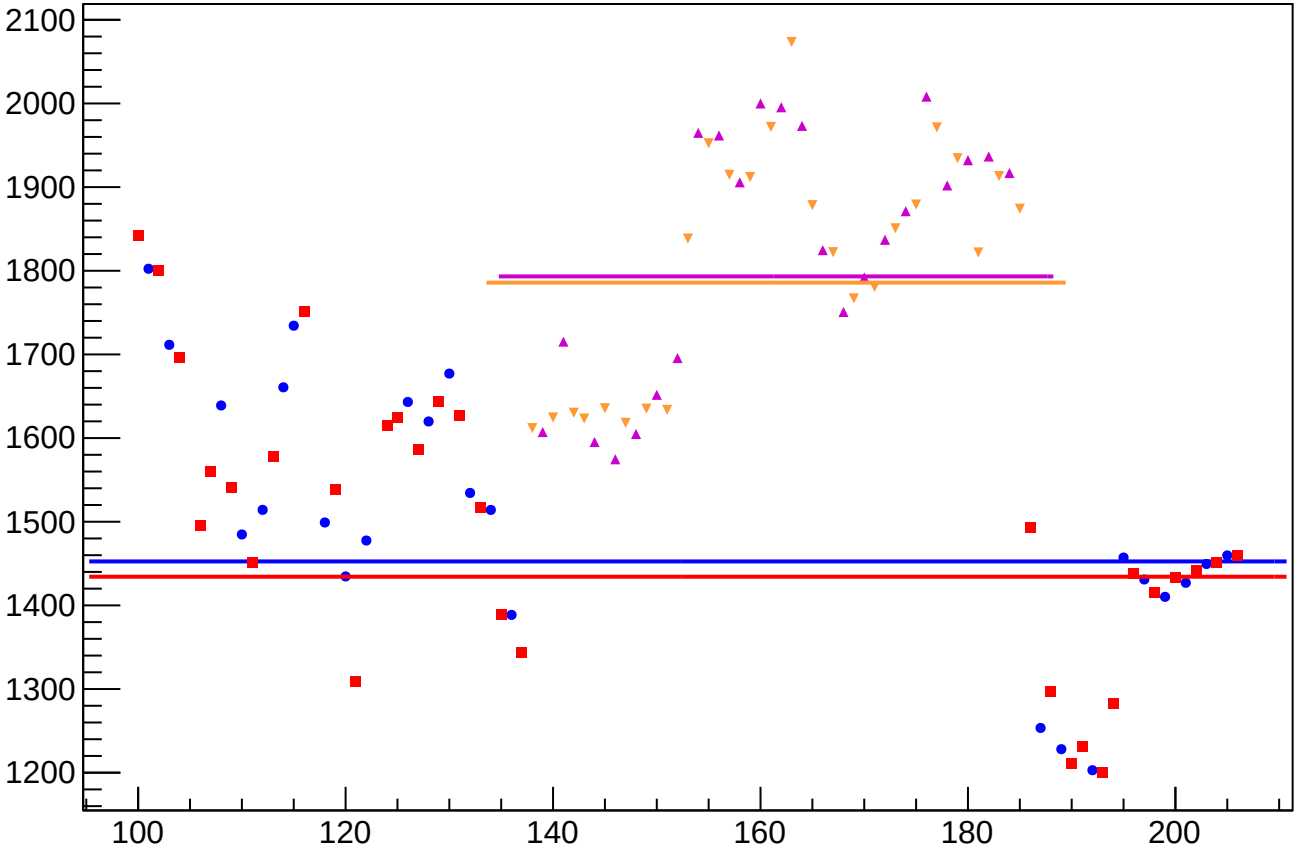
Right: -48.675+/-0.262 χ^2/NDF: 26937.7/55

In: -11.911+/-0.285 χ^2/NDF:65580.4/47

Out: -21.704+/-0.268 χ^2/NDF:11961.4/55

All: -17.122+/-0.195 χ^2/NDF: 78168.4/103

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.554+/-0.275 χ^2/NDF: 281504.2/24

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.265+/-0.251 χ^2/NDF: 330881.6/30

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

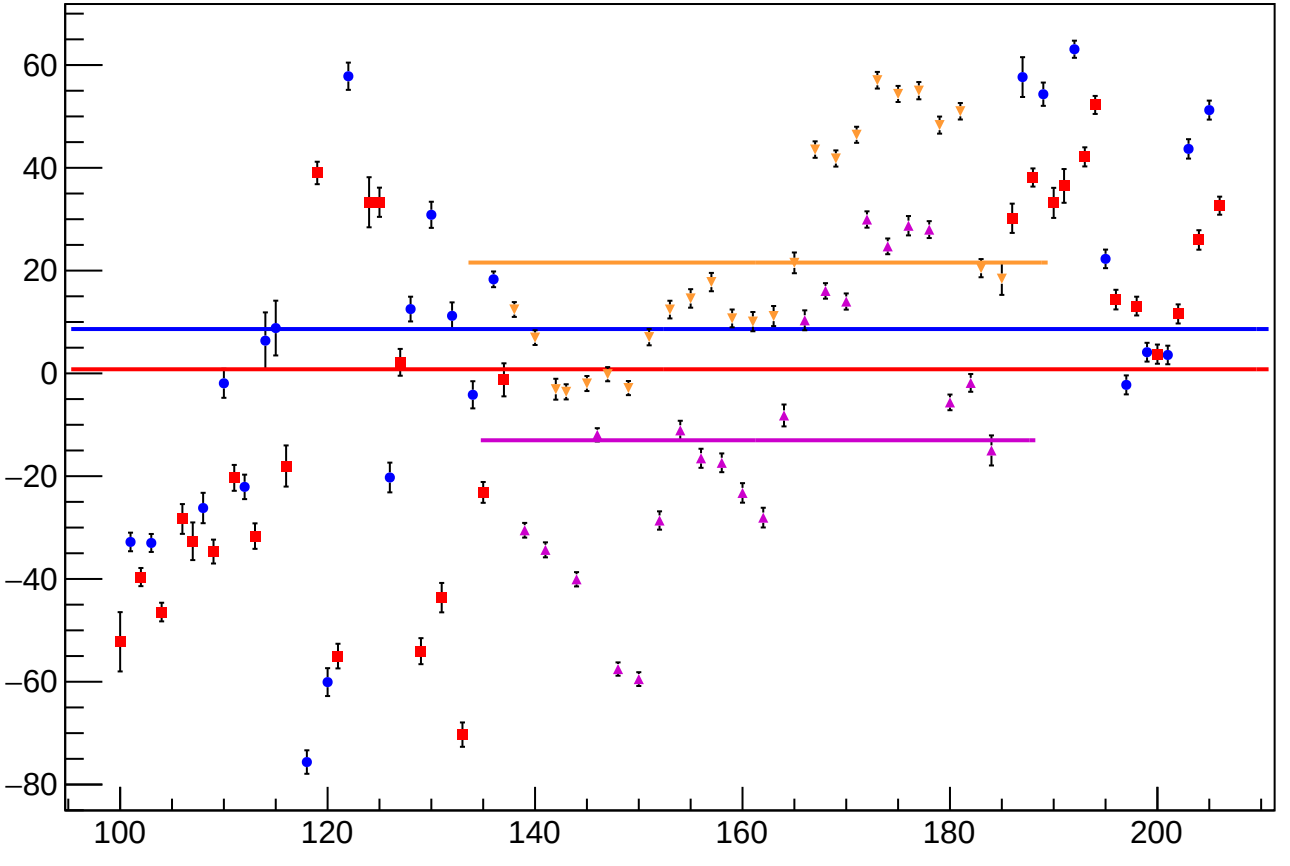
Right: 1442.585+/-0.185 χ^2/NDF: 614800.3/55

In: 1609.503+/-0.202 χ^2/NDF:1242444.9/47

Out: 1586.104+/-0.189 χ^2/NDF:1415196.5/55

All: 1597.051+/-0.138 χ^2/NDF: 2664795.7/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 8.629+/-0.441 χ^2/NDF: 6611.5/24

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 0.802+/-0.411 χ^2/NDF: 7525.2/30

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

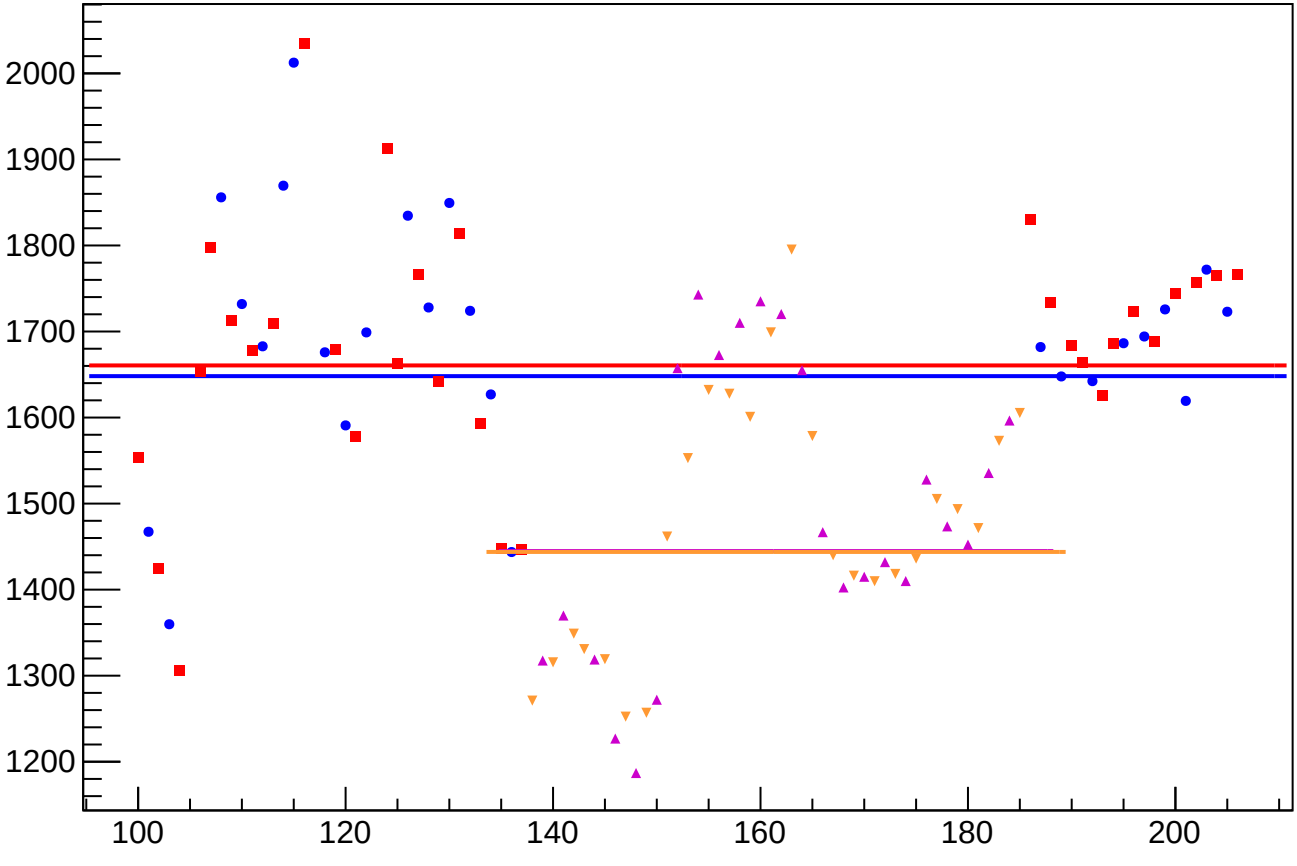
Right: 4.439+/-0.300 χ^2/NDF: 14305.5/55

In: -4.939+/-0.269 χ^2/NDF:14750.3/47

Out: 13.422+/-0.257 χ^2/NDF:13239.8/55

All: 4.661+/-0.186 χ^2/NDF: 30421.7/103

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1648.132+/-0.312 χ^2/NDF: 179751.8/24

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1660.576+/-0.290 χ^2/NDF: 221903.2/30

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

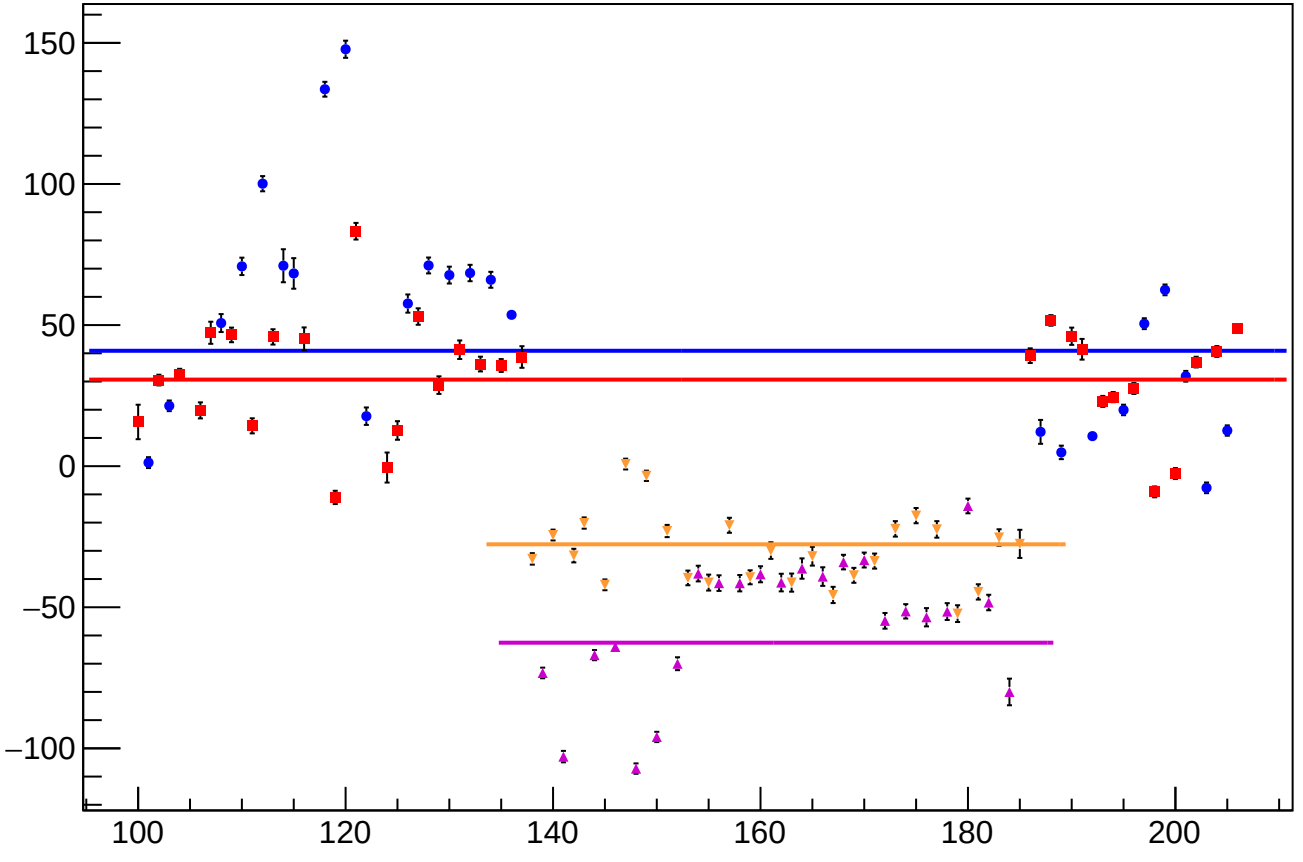
Right: 1654.793+/-0.212 χ^2/NDF: 402508.3/55

In: 1520.675+/-0.190 χ^2/NDF:931765.9/47

Out: 1528.840+/-0.182 χ^2/NDF:912885.4/55

All: 1524.944+/-0.132 χ^2/NDF: 1845613.2/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 40.892+/-0.474 χ^2/NDF: 5911.4/24

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 30.677+/-0.437 χ^2/NDF: 2005.8/30

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

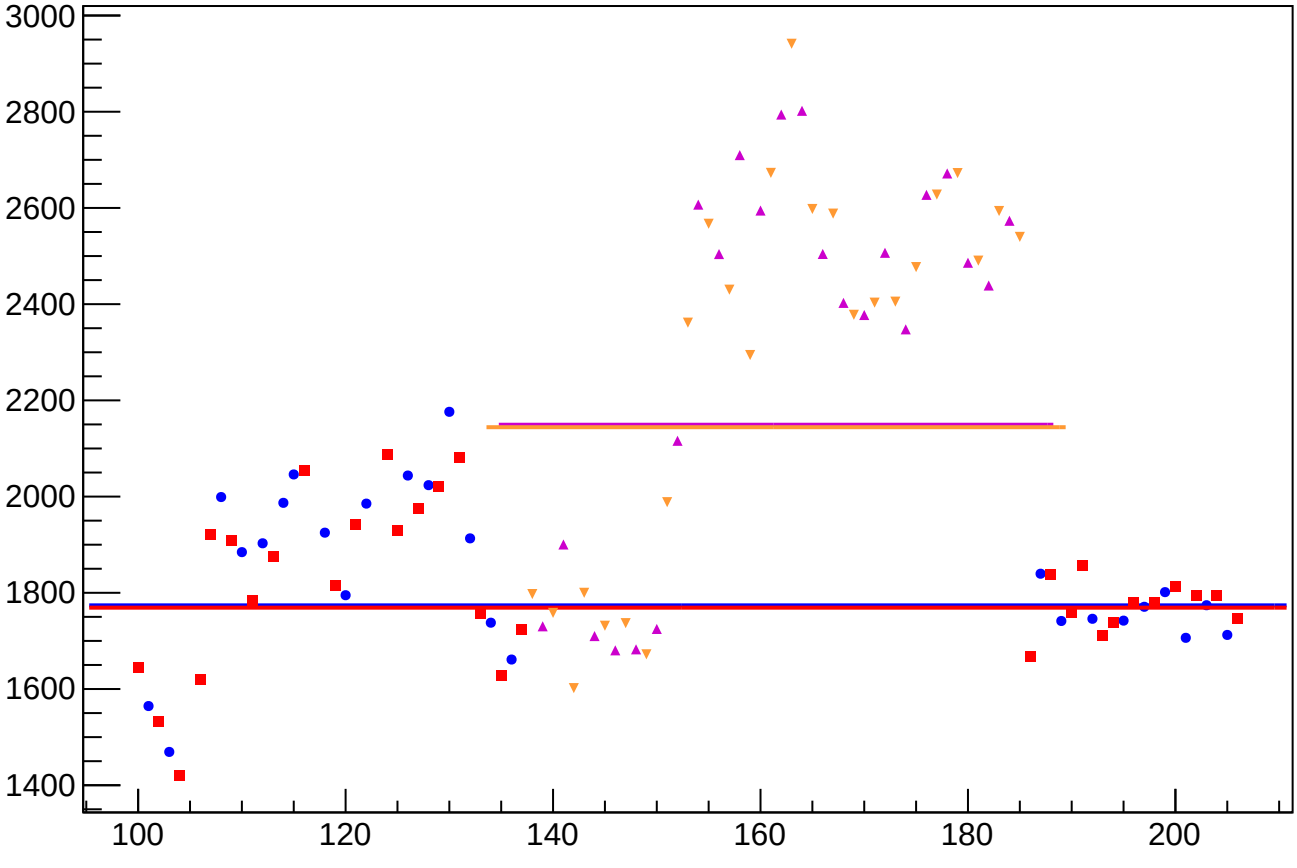
Right: 35.369+/-0.321 χ^2/NDF: 8167.9/55

In: -6.916+/-0.348 χ^2/NDF:30349.0/47

Out: 5.156+/-0.328 χ^2/NDF:10564.3/55

All: -0.525+/-0.239 χ^2/NDF: 41550.8/103

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1773.902+/-0.335 χ^2/NDF: 202550.3/24

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.123+/-0.309 χ^2/NDF: 201387.9/30

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

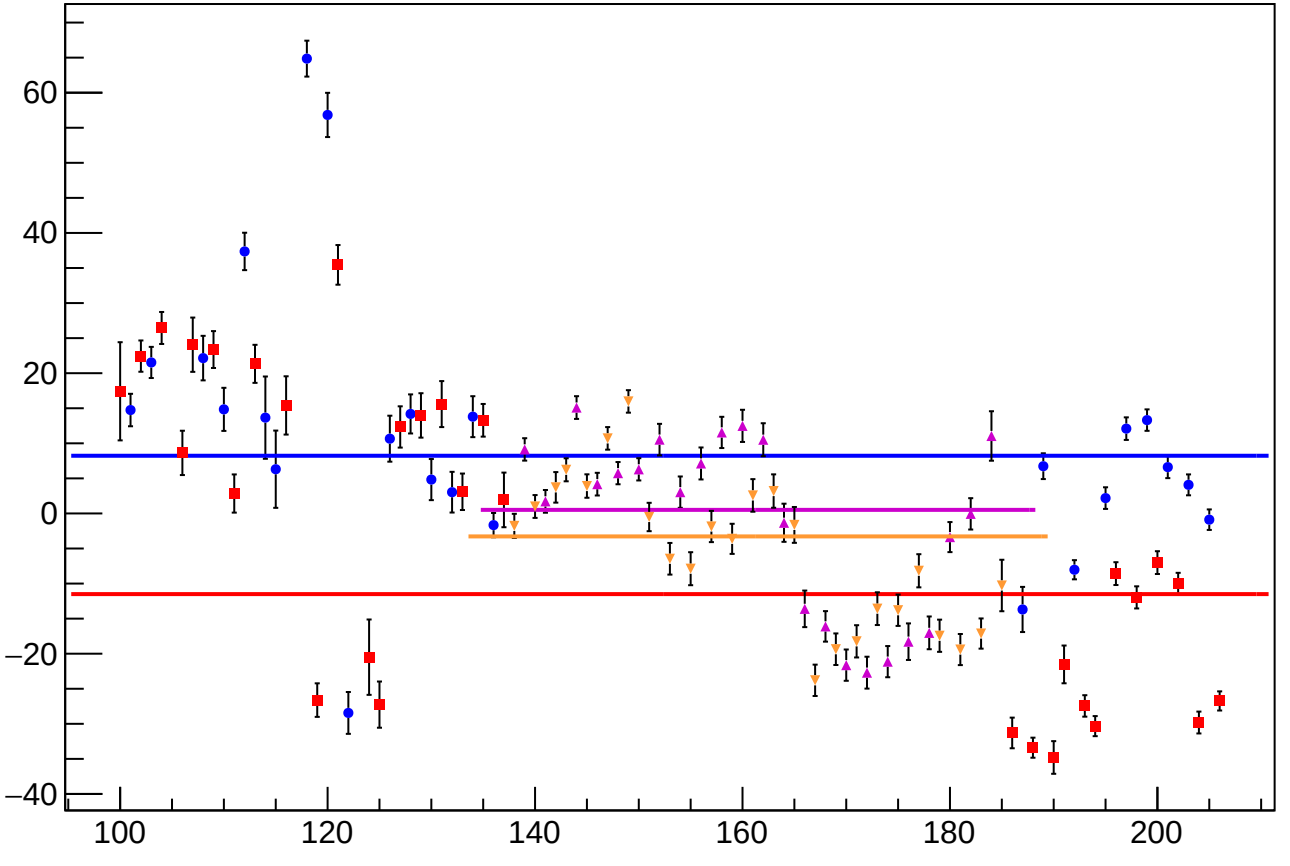
Right: 1771.318+/-0.227 χ^2/NDF: 404048.0/55

In: 1947.413+/-0.246 χ^2/NDF:2047297.4/47

Out: 1933.129+/-0.232 χ^2/NDF:2124860.5/55

All: 1939.851+/-0.169 χ^2/NDF: 4173942.8/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 8.227+/-0.424 χ^2/NDF: 1379.6/24

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -11.502+/-0.387 χ^2/NDF: 2725.8/30

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

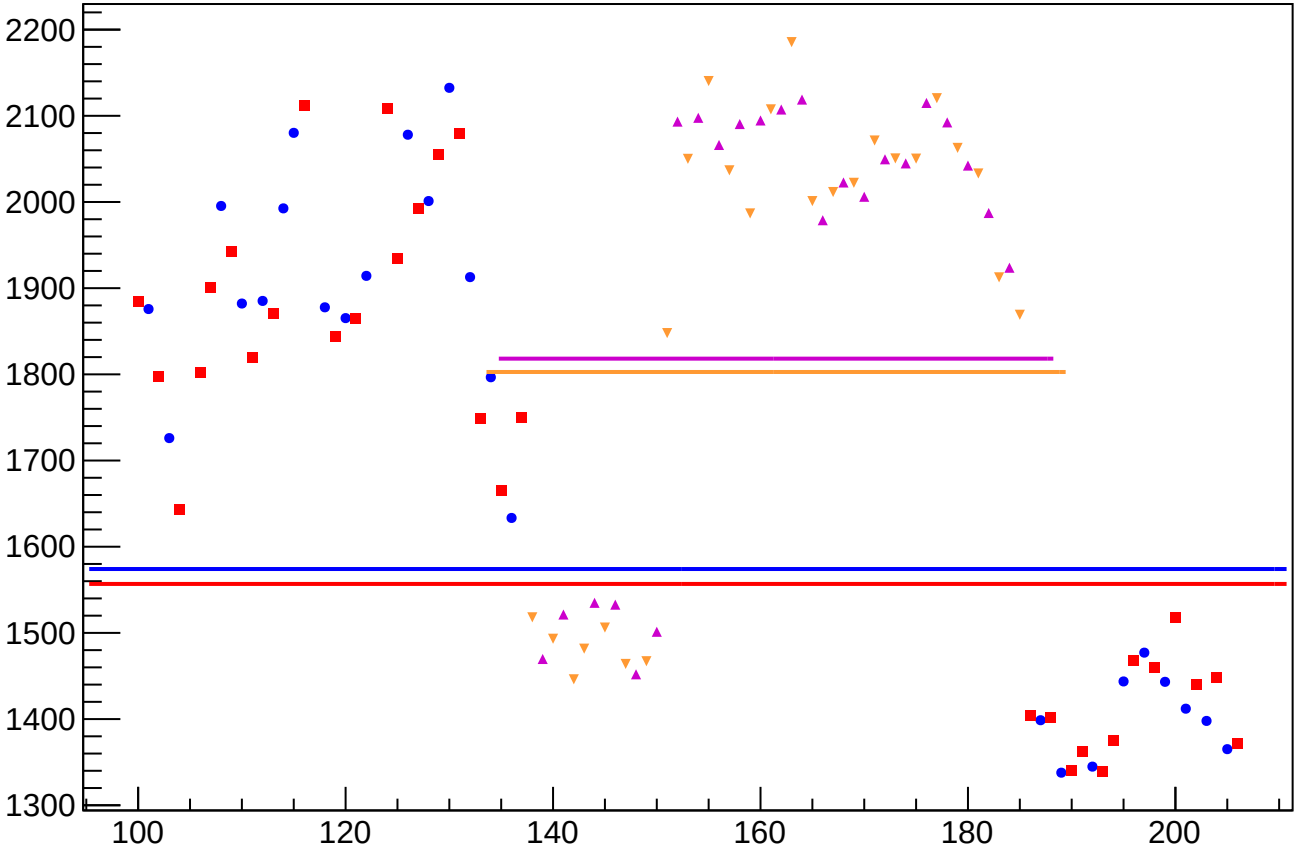
Right: -2.529+/-0.286 χ^2/NDF: 5284.5/55

In: 4.419+/-0.302 χ^2/NDF:2288.7/47

Out: -7.667+/-0.283 χ^2/NDF:3607.0/55

All: -2.012+/-0.207 χ^2/NDF: 6748.5/103

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1574.125+/-0.300 χ^2/NDF: 653781.4/24

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1556.812+/-0.274 χ^2/NDF: 652724.7/30

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

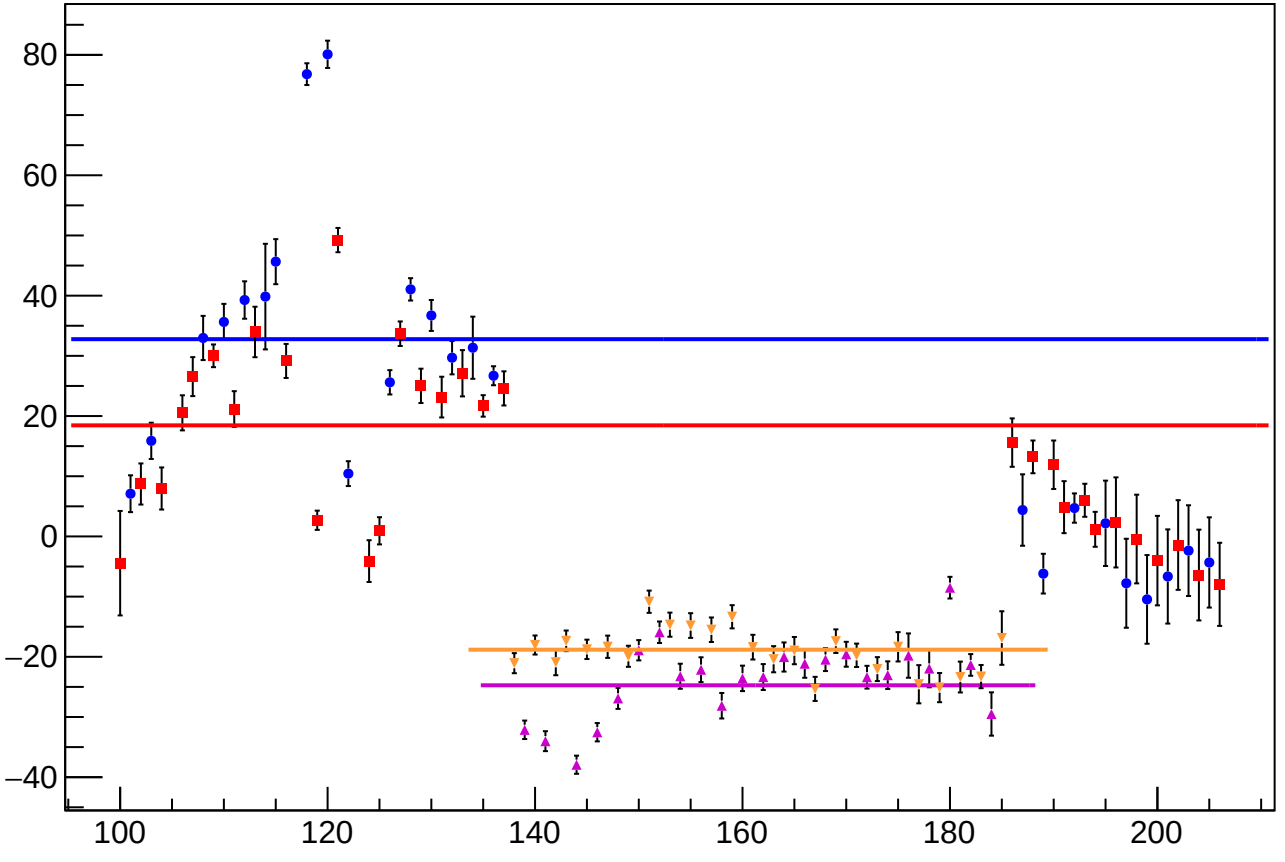
Right: 1564.686+/-0.202 χ^2/NDF: 1308322.1/55

In: 1694.587+/-0.213 χ^2/NDF:1820914.5/47

Out: 1671.458+/-0.200 χ^2/NDF:1925714.0/55

All: 1682.280+/-0.146 χ^2/NDF: 3752874.2/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.770+/-0.579 χ^2/NDF: 1767.2/24

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.453+/-0.533 χ^2/NDF: 731.5/30

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

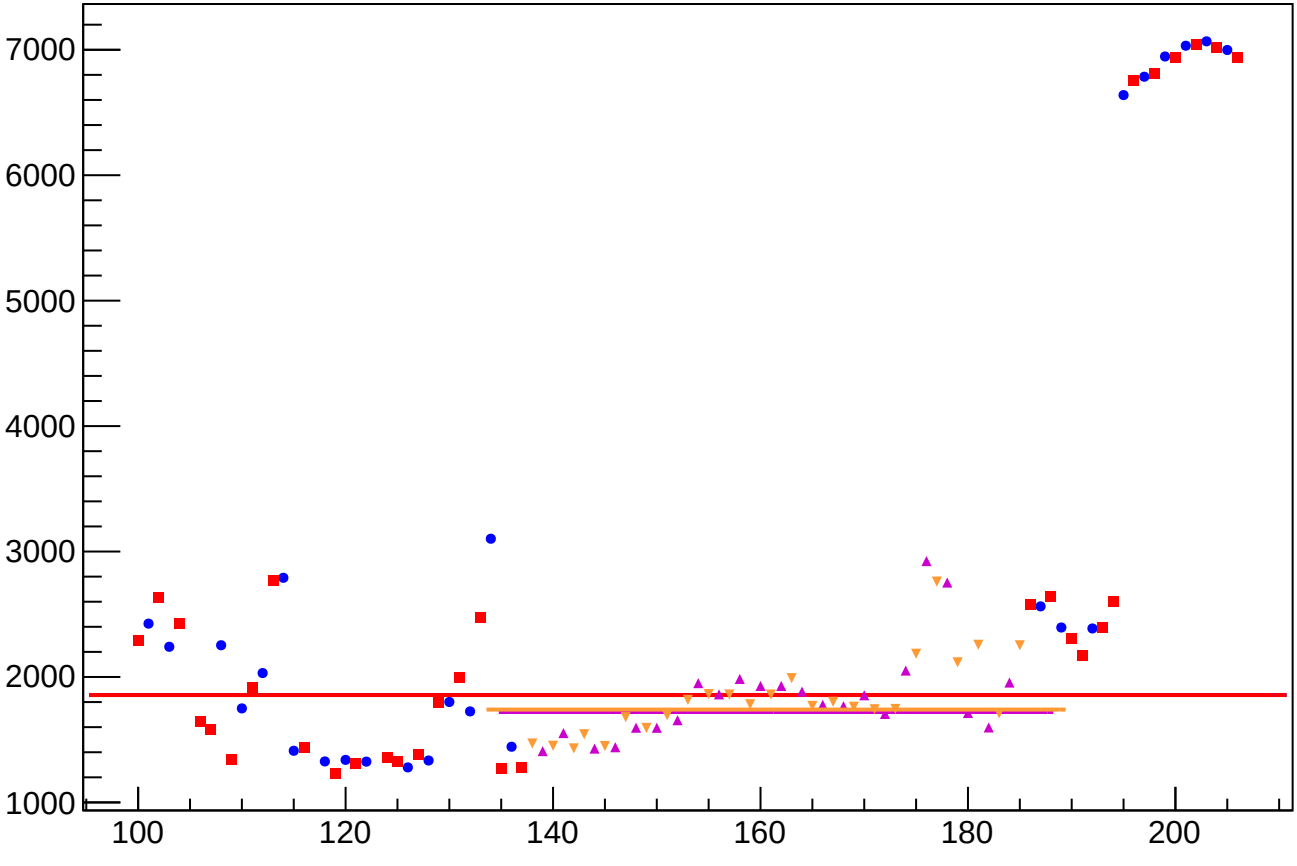
Right: 25.017+/-0.392 χ^2/NDF: 2829.4/55

In: -5.620+/-0.334 χ^2/NDF:8651.9/47

Out: -5.307+/-0.321 χ^2/NDF:3922.9/55

All: -5.457+/-0.231 χ^2/NDF: 12575.2/103

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1856.486+/-0.410 χ^2/NDF: 6876364.7/24

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1855.889+/-0.377 χ^2/NDF: 7708820.2/30

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

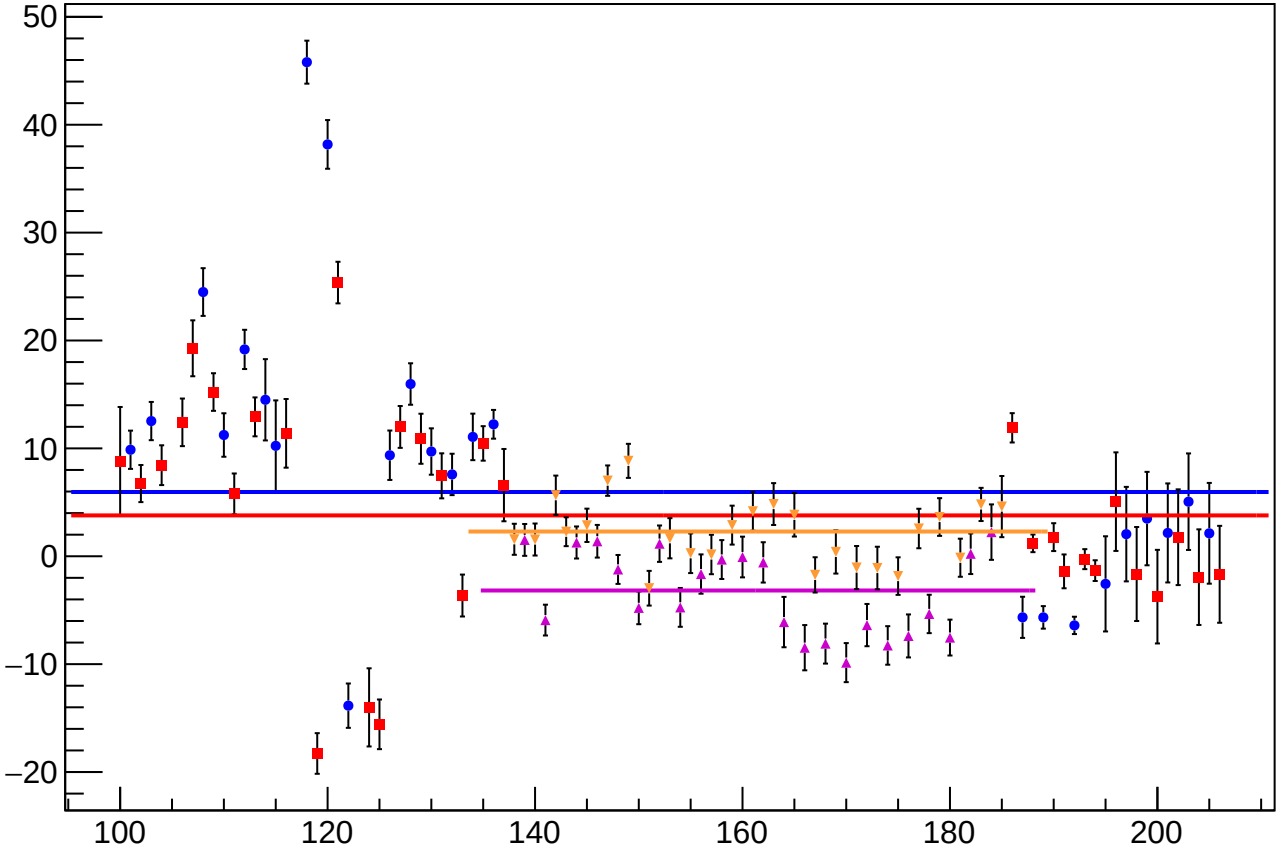
Right: 1856.163+/-0.277 χ^2/NDF: 14585186.1/55

In: 1765.940+/-0.236 χ^2/NDF:7833525.6/47

Out: 1782.061+/-0.227 χ^2/NDF:8522372.5/55

All: 1774.323+/-0.164 χ^2/NDF: 16358320.8/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.957+/-0.379 χ^2/NDF: 1316.4/24

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.787+/-0.318 χ^2/NDF: 671.9/30

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

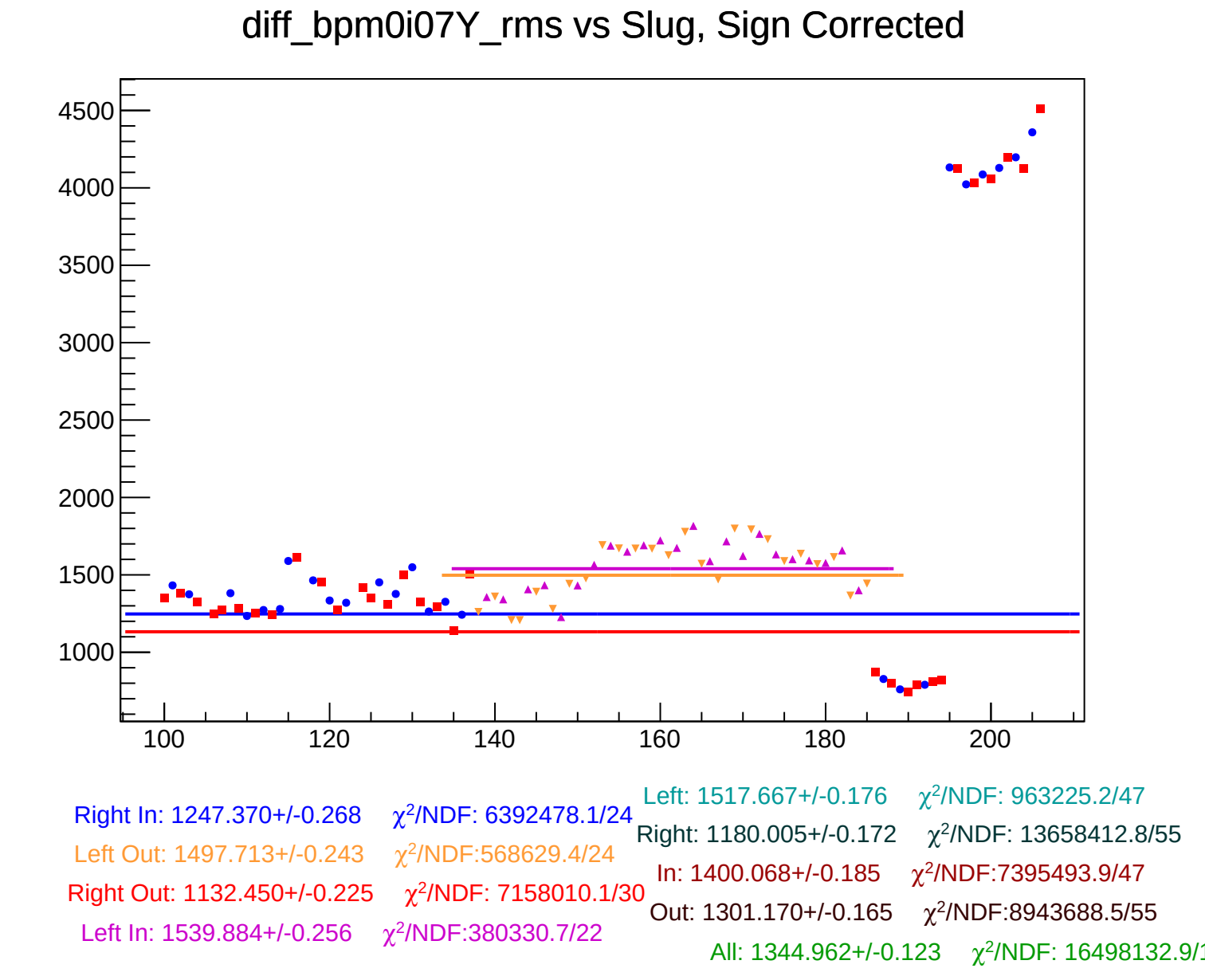
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 4.685+/-0.244 χ^2/NDF: 2007.6/55

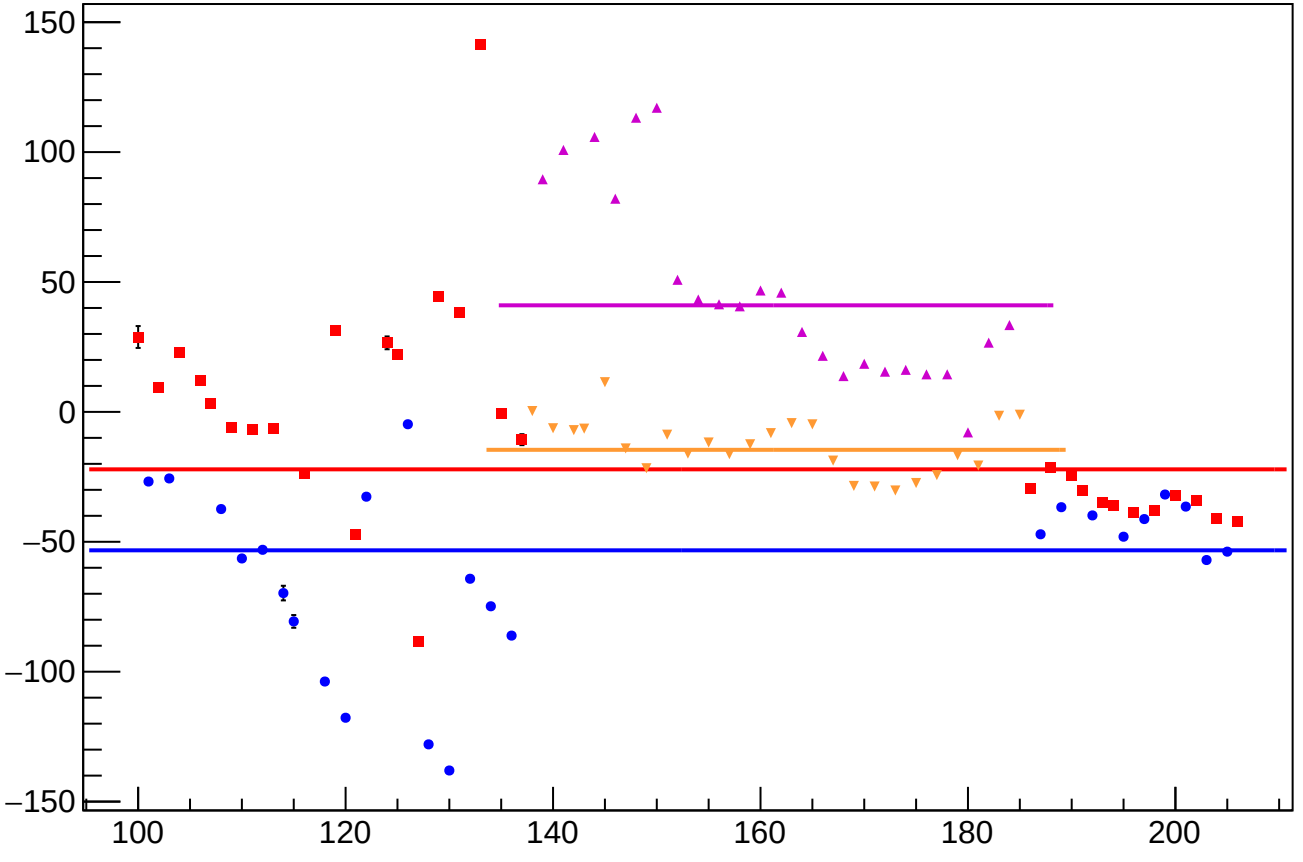
In: 1.191+/-0.262 χ^2/NDF:1730.1/47

Out: 3.097+/-0.233 χ^2/NDF:755.6/55

All: 2.253+/-0.174 χ^2/NDF: 2515.2/103


diff_bpm0i07Y_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1247.370+/-0.268 χ²/NDF: 6392478.1/24
Left Out: 1497.713+/-0.243 χ²/NDF:568629.4/24
Right Out: 1132.450+/-0.225 χ²/NDF: 7158010.1/30
Left In: 1539.884+/-0.256 χ²/NDF:380330.7/22
Left: 1517.667+/-0.176 χ²/NDF: 963225.2/47
Right: 1180.005+/-0.172 χ²/NDF: 13658412.8/55
In: 1400.068+/-0.185 χ²/NDF:7395493.9/47
Out: 1301.170+/-0.165 χ²/NDF:8943688.5/55
All: 1344.962+/-0.123 χ²/NDF: 16498132.9/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.285+/-0.201 χ^2/NDF: 17757.4/24

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -22.114+/-0.182 χ^2/NDF: 32087.2/30

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

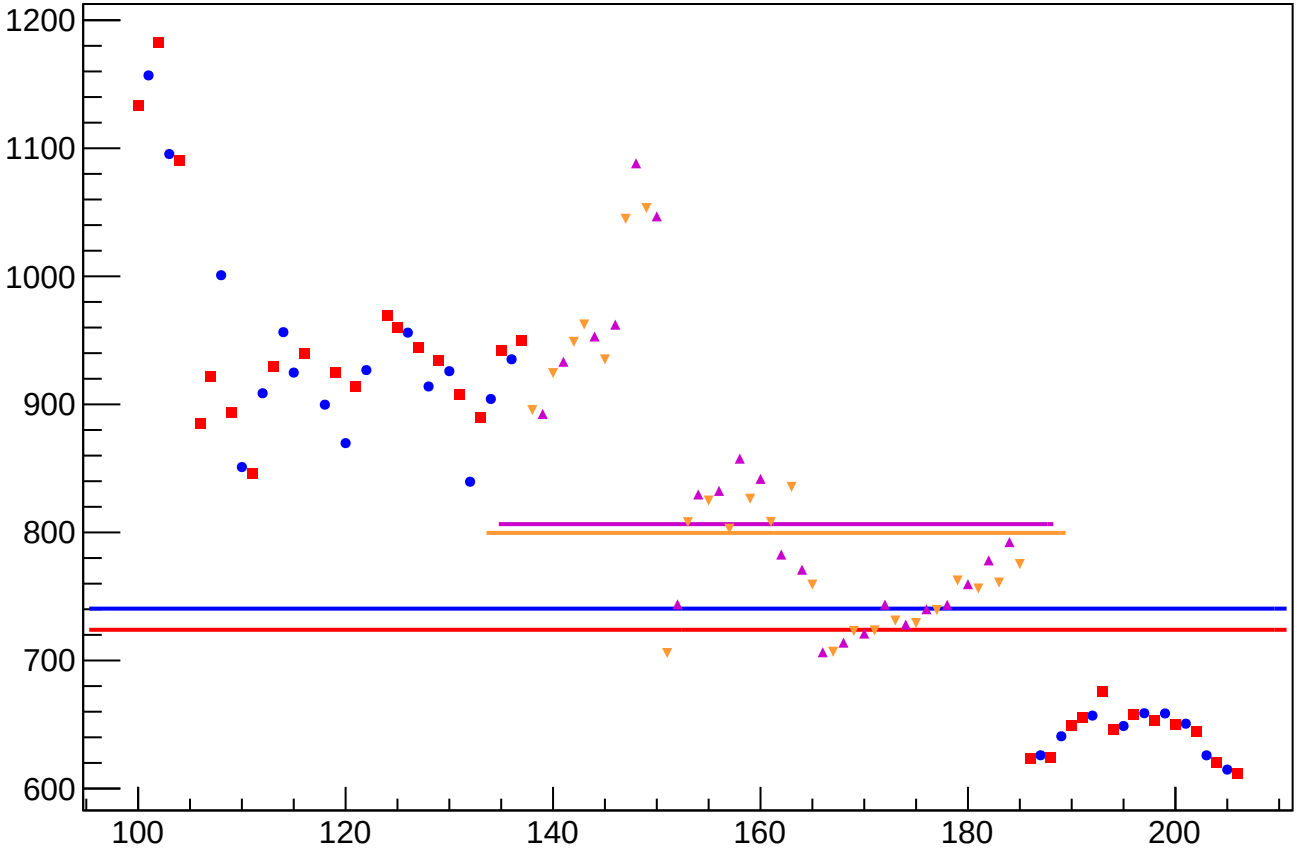
Right: -36.132+/-0.135 χ^2/NDF: 63086.0/55

In: -3.440+/-0.138 χ^2/NDF:165241.2/47

Out: -18.382+/-0.129 χ^2/NDF:36096.5/55

All: -11.418+/-0.094 χ^2/NDF: 207600.2/103

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 740.501+/-0.142 χ^2/NDF: 1058824.3/24

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 723.970+/-0.128 χ^2/NDF: 1218470.3/30

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

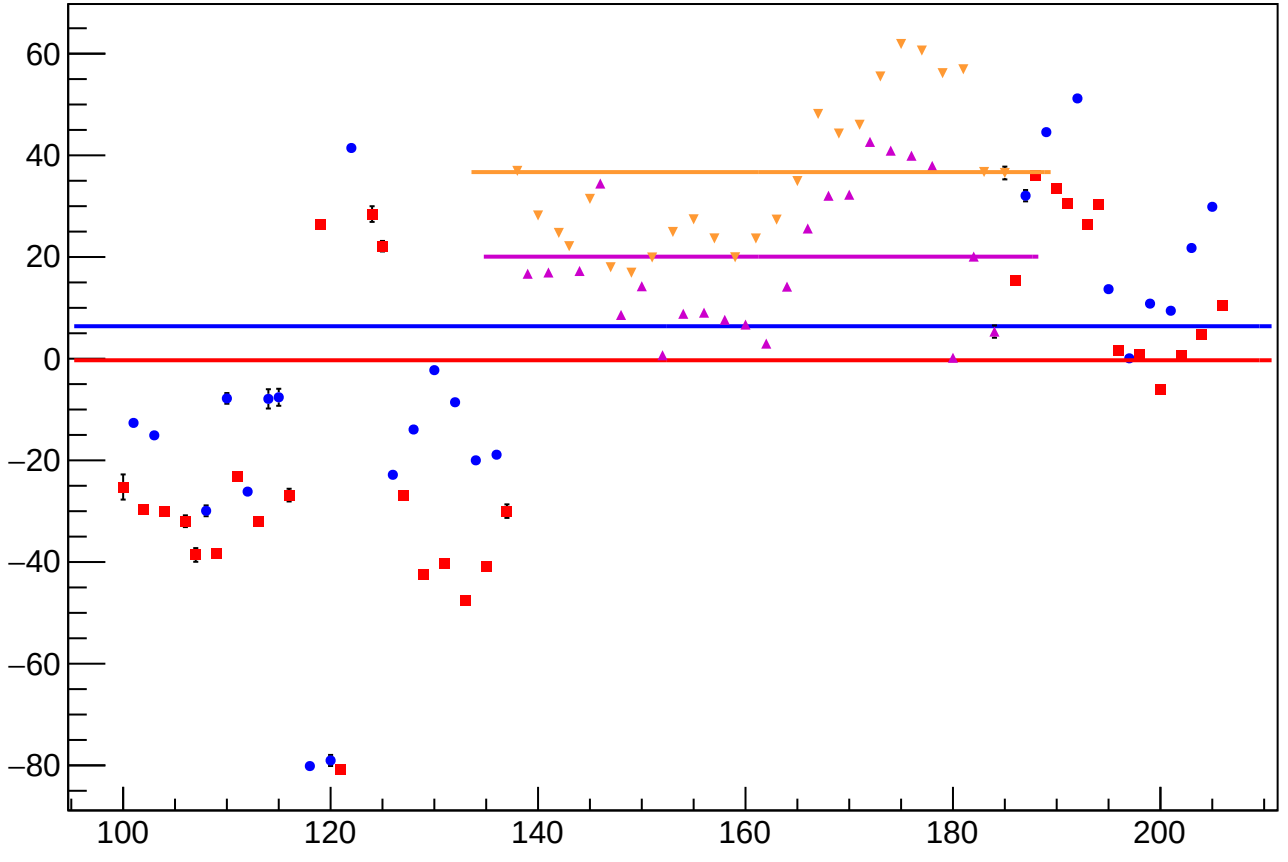
Right: 731.404+/-0.095 χ^2/NDF: 2284742.9/55

In: 775.373+/-0.098 χ^2/NDF:1684081.0/47

Out: 761.537+/-0.091 χ^2/NDF:1888190.2/55

All: 767.985+/-0.067 χ^2/NDF: 3583009.4/103

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 6.385+/-0.146 χ^2/NDF: 41330.1/24

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -0.310+/-0.133 χ^2/NDF: 43630.8/30

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

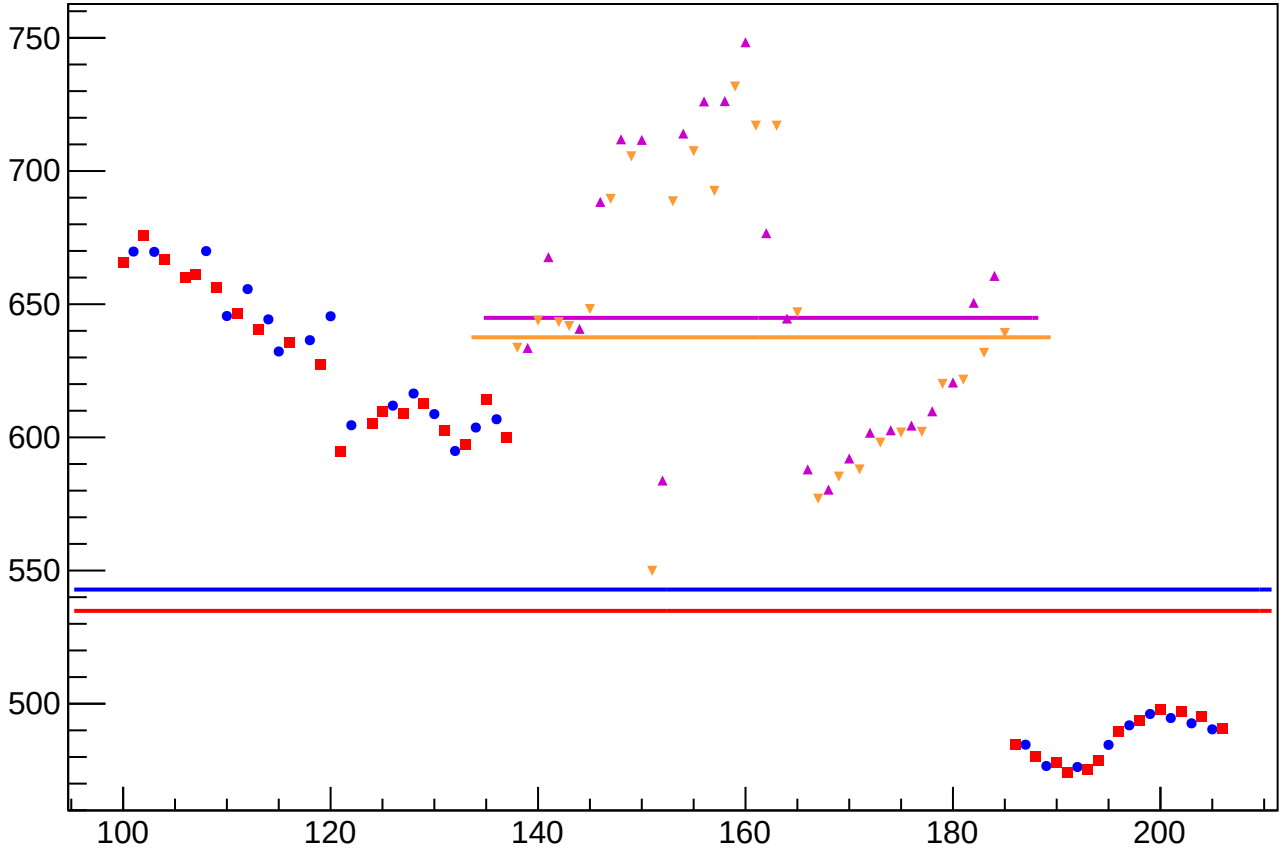
Right: 2.726+/-0.098 χ^2/NDF: 86114.3/55

In: 12.973+/-0.105 χ^2/NDF:54136.5/47

Out: 16.516+/-0.098 χ^2/NDF:89195.7/55

All: 14.864+/-0.072 χ^2/NDF: 143940.8/103

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 542.868+/-0.103 χ^2/NDF: 477395.0/24

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 534.860+/-0.094 χ^2/NDF: 540263.4/30

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

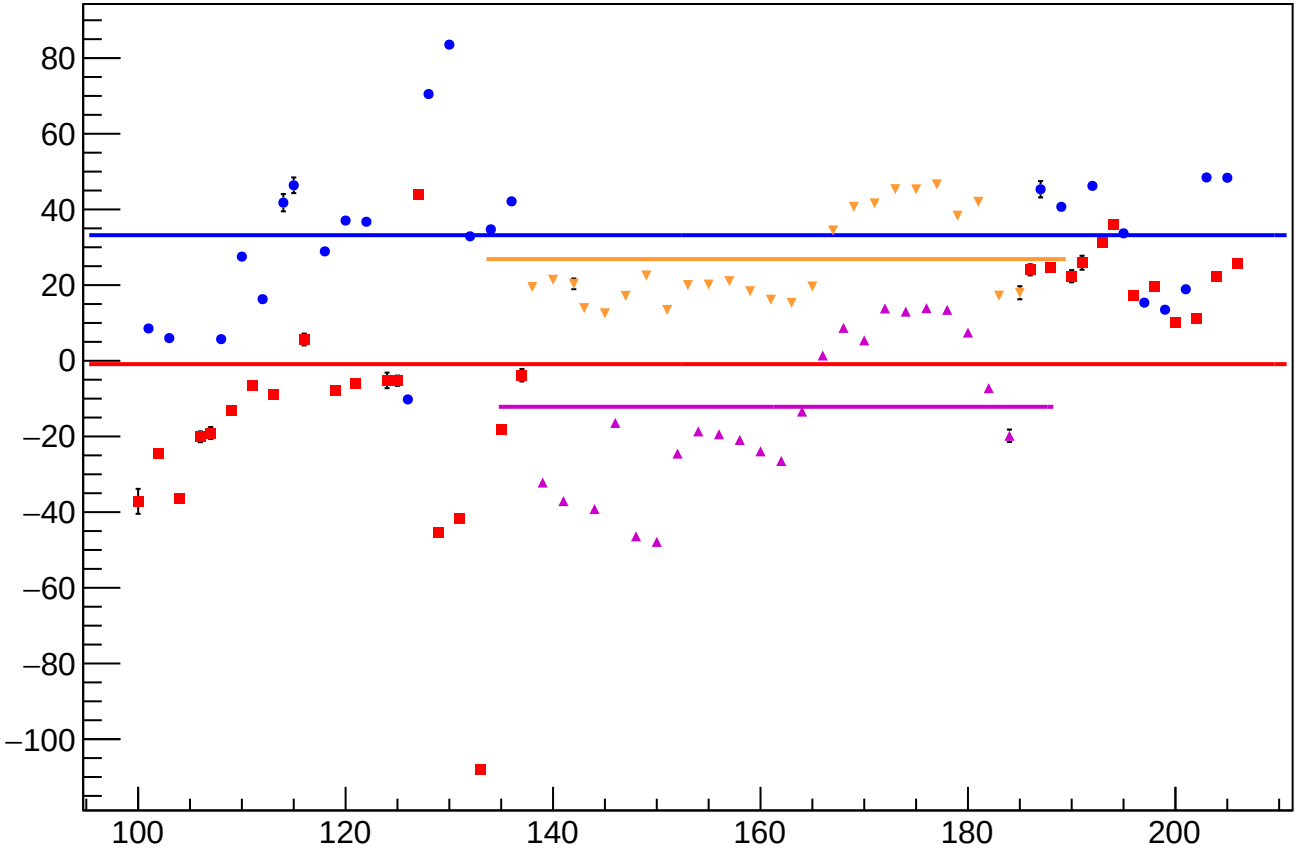
Right: 538.492+/-0.069 χ^2/NDF: 1020959.2/55

In: 591.978+/-0.074 χ^2/NDF:1178755.7/47

Out: 581.549+/-0.069 χ^2/NDF:1320931.7/55

All: 586.410+/-0.051 χ^2/NDF: 2510233.8/103

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.196+/-0.225 χ^2/NDF: 8296.0/24

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -0.887+/-0.211 χ^2/NDF: 22527.1/30

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

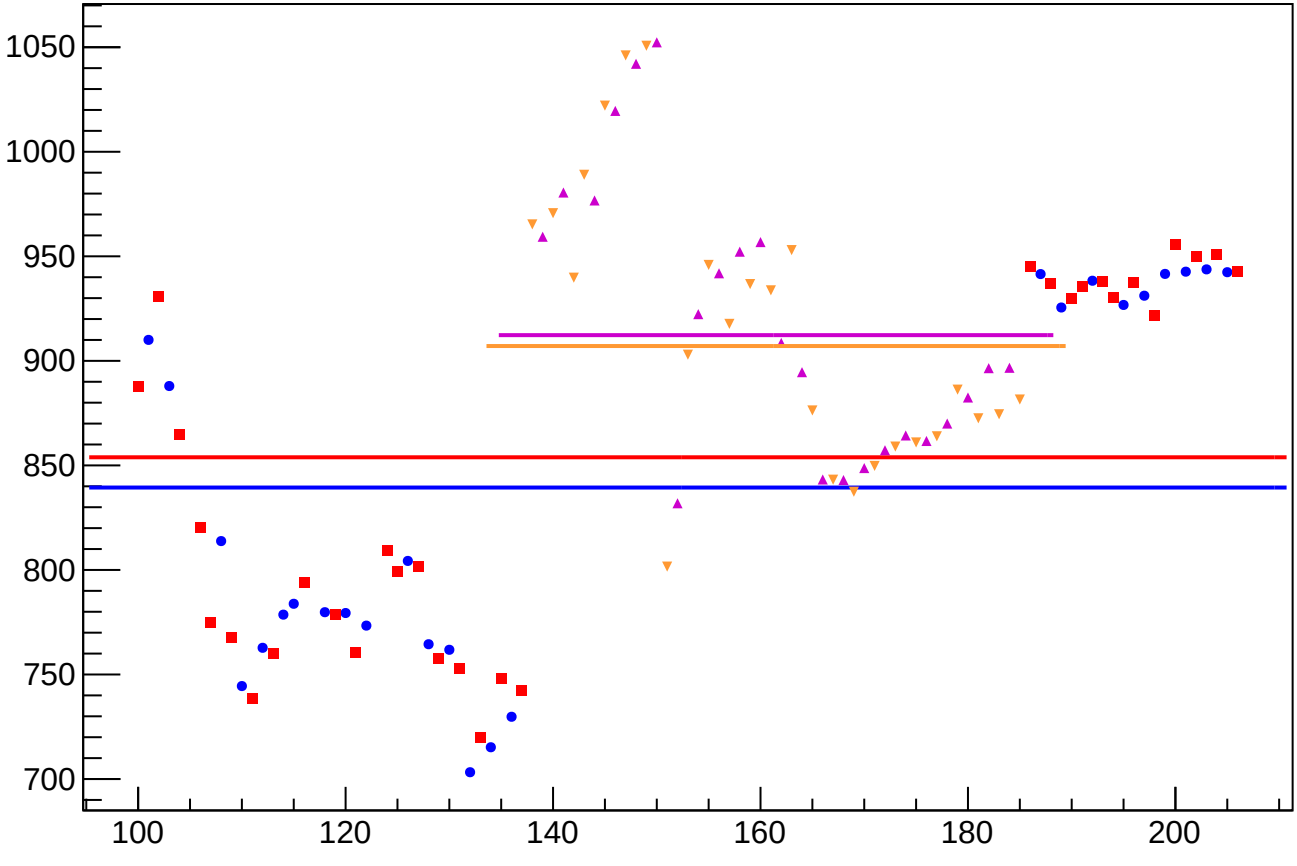
Right: 15.107+/-0.154 χ^2/NDF: 43029.0/55

In: 9.375+/-0.155 χ^2/NDF:38232.5/47

Out: 13.299+/-0.148 χ^2/NDF:34732.9/55

All: 11.429+/-0.107 χ^2/NDF: 73301.4/103

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 839.415+/-0.159 χ^2/NDF: 321993.8/24

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 853.882+/-0.149 χ^2/NDF: 342212.1/30

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

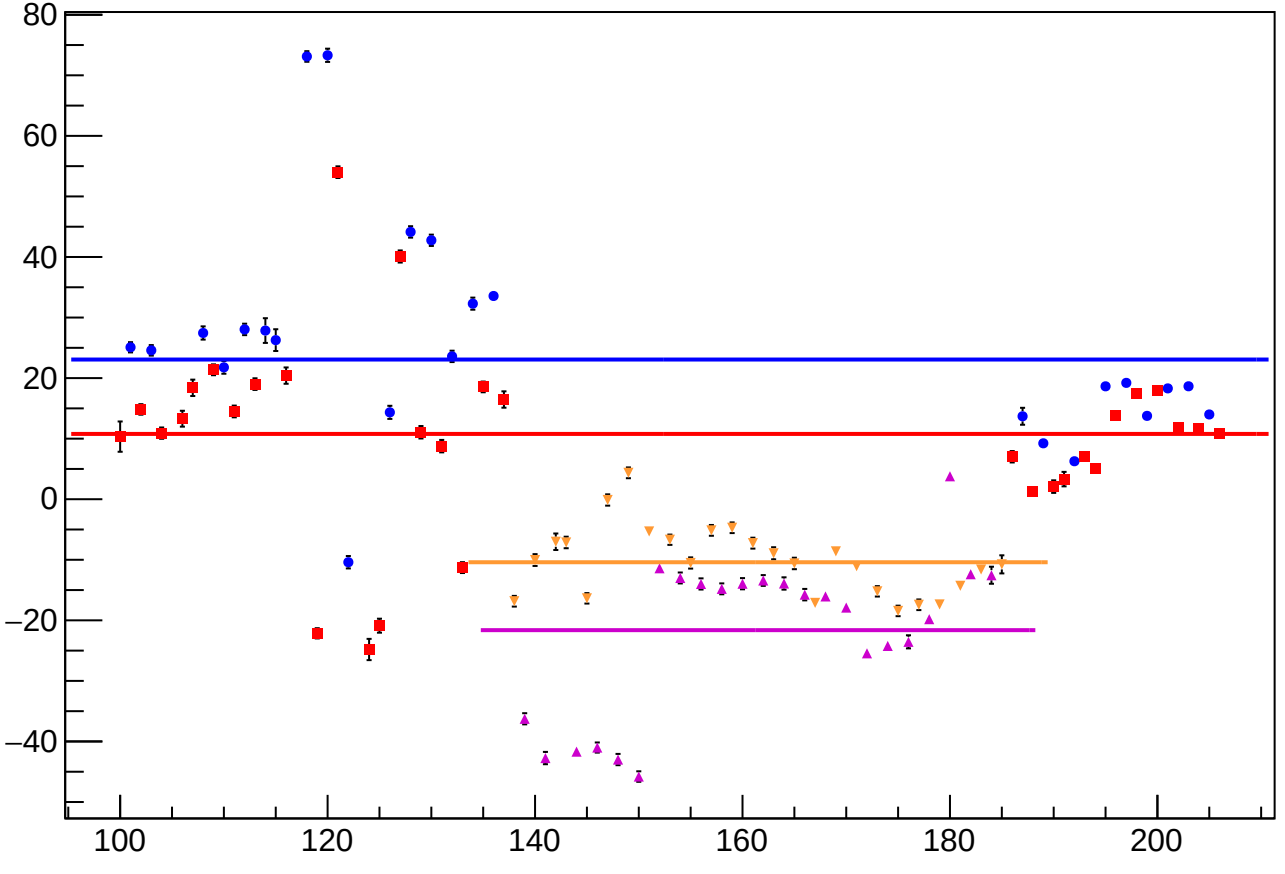
Right: 847.093+/-0.109 χ^2/NDF: 668604.1/55

In: 877.695+/-0.110 χ^2/NDF:607184.7/47

Out: 881.079+/-0.104 χ^2/NDF:601617.6/55

All: 879.466+/-0.076 χ^2/NDF: 1209302.3/103

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 23.067+/-0.164 χ^2/NDF: 9613.5/24

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.782+/-0.155 χ^2/NDF: 7303.3/30

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

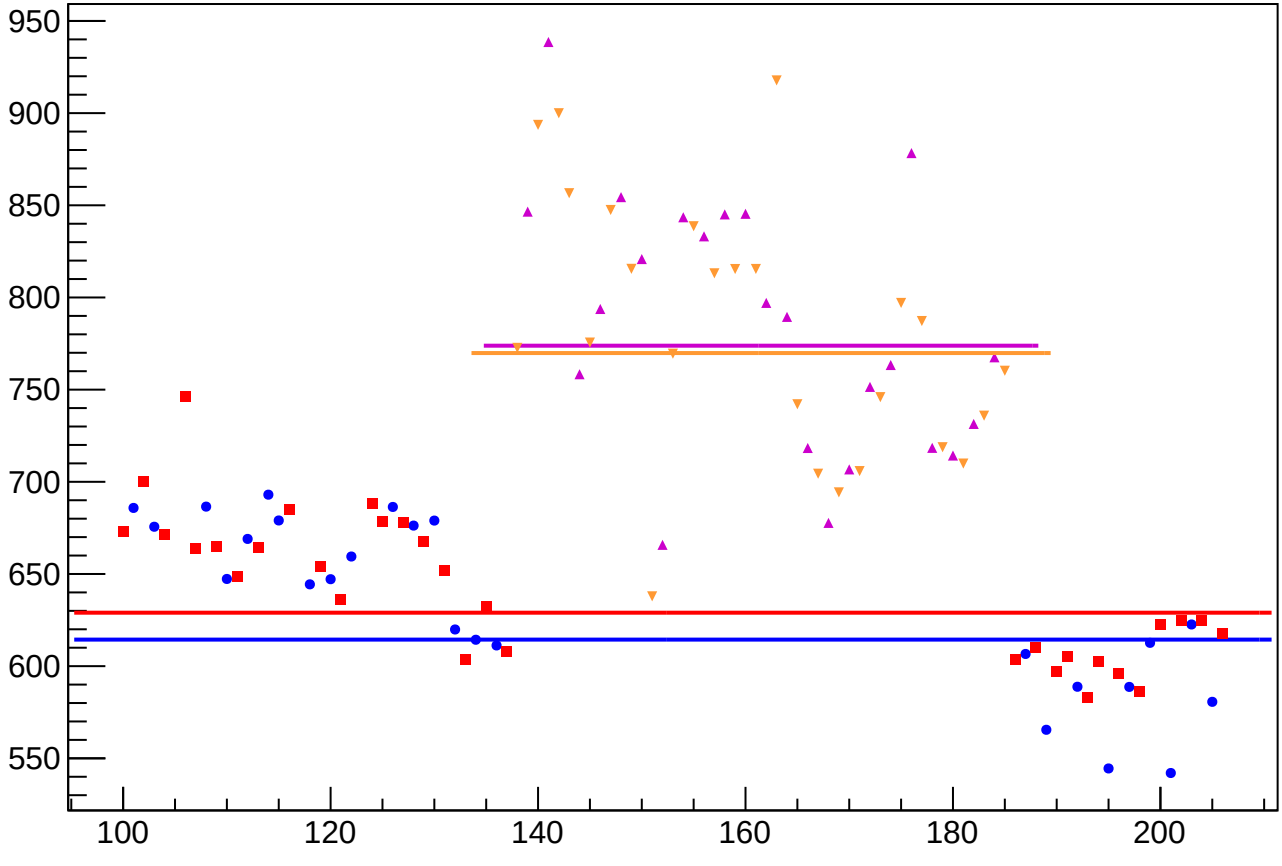
Right: 16.569+/-0.113 χ^2/NDF: 19866.7/55

In: 2.967+/-0.122 χ^2/NDF:48051.1/47

Out: 1.511+/-0.116 χ^2/NDF:16496.5/55

All: 2.205+/-0.084 χ^2/NDF: 64622.2/103

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 614.403+/-0.116 χ^2/NDF: 159338.7/24

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.001+/-0.110 χ^2/NDF: 98215.8/30

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

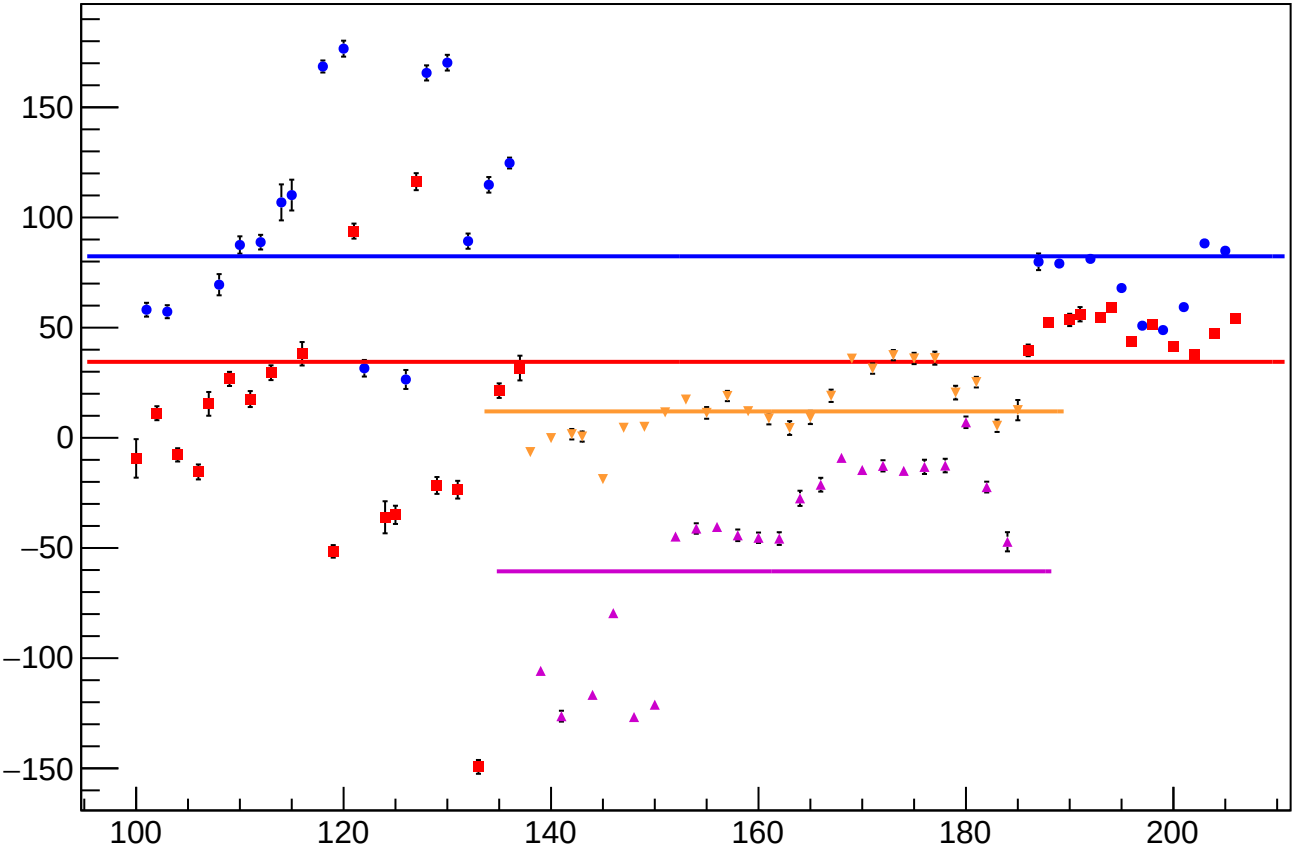
Right: 622.124+/-0.080 χ^2/NDF: 265885.5/55

In: 686.117+/-0.086 χ^2/NDF:1287332.4/47

Out: 690.634+/-0.082 χ^2/NDF:1123134.0/55

All: 688.481+/-0.060 χ^2/NDF: 2411901.1/103

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.383+/-0.506 χ^2/NDF: 4683.9/24

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 34.483+/-0.471 χ^2/NDF: 7298.9/30

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

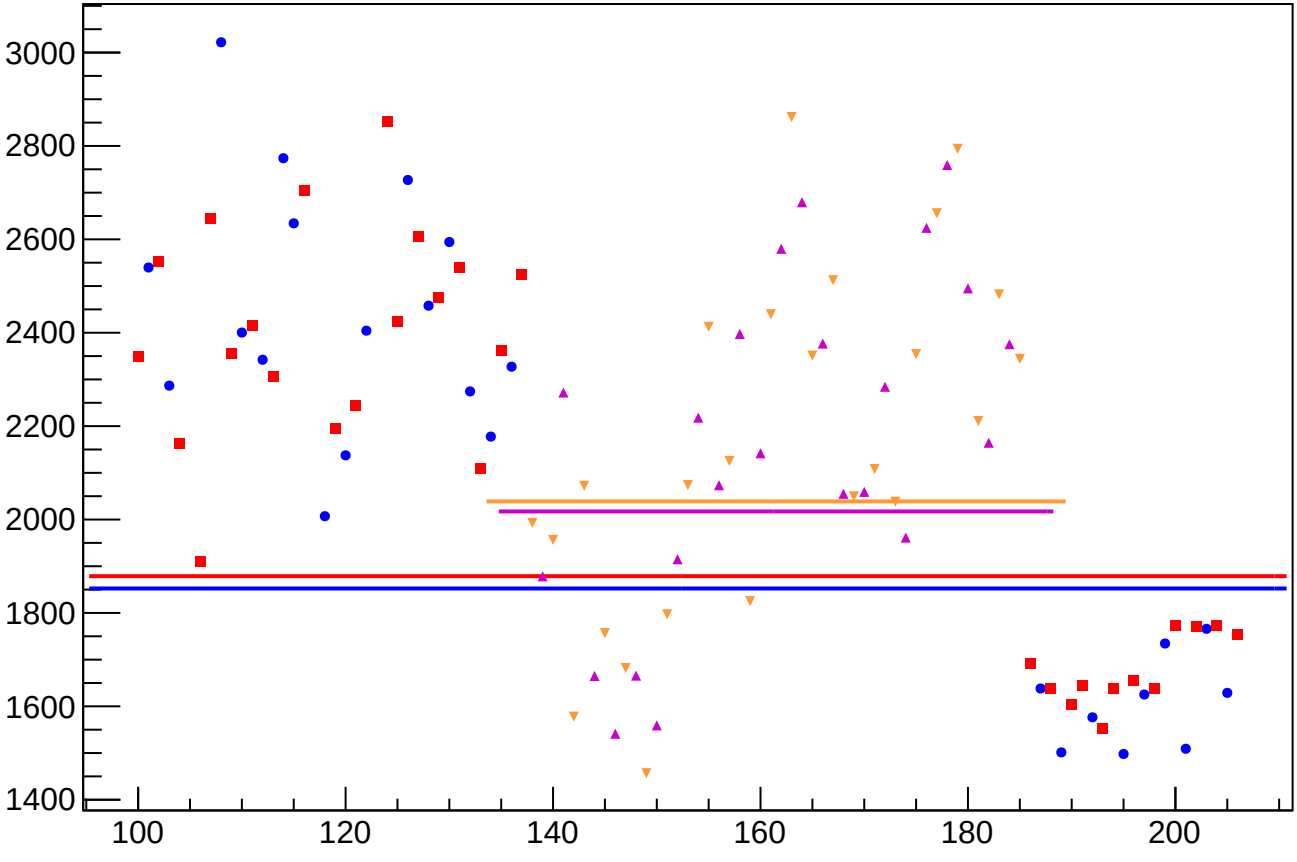
Right: 56.698+/-0.345 χ^2/NDF: 16781.9/55

In: 7.215+/-0.349 χ^2/NDF:55246.4/47

Out: 23.252+/-0.333 χ^2/NDF:9385.3/55

All: 15.598+/-0.241 χ^2/NDF: 65737.4/103

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1852.337+/-0.358 χ^2/NDF: 1179419.6/24

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1878.699+/-0.333 χ^2/NDF: 978753.3/30

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

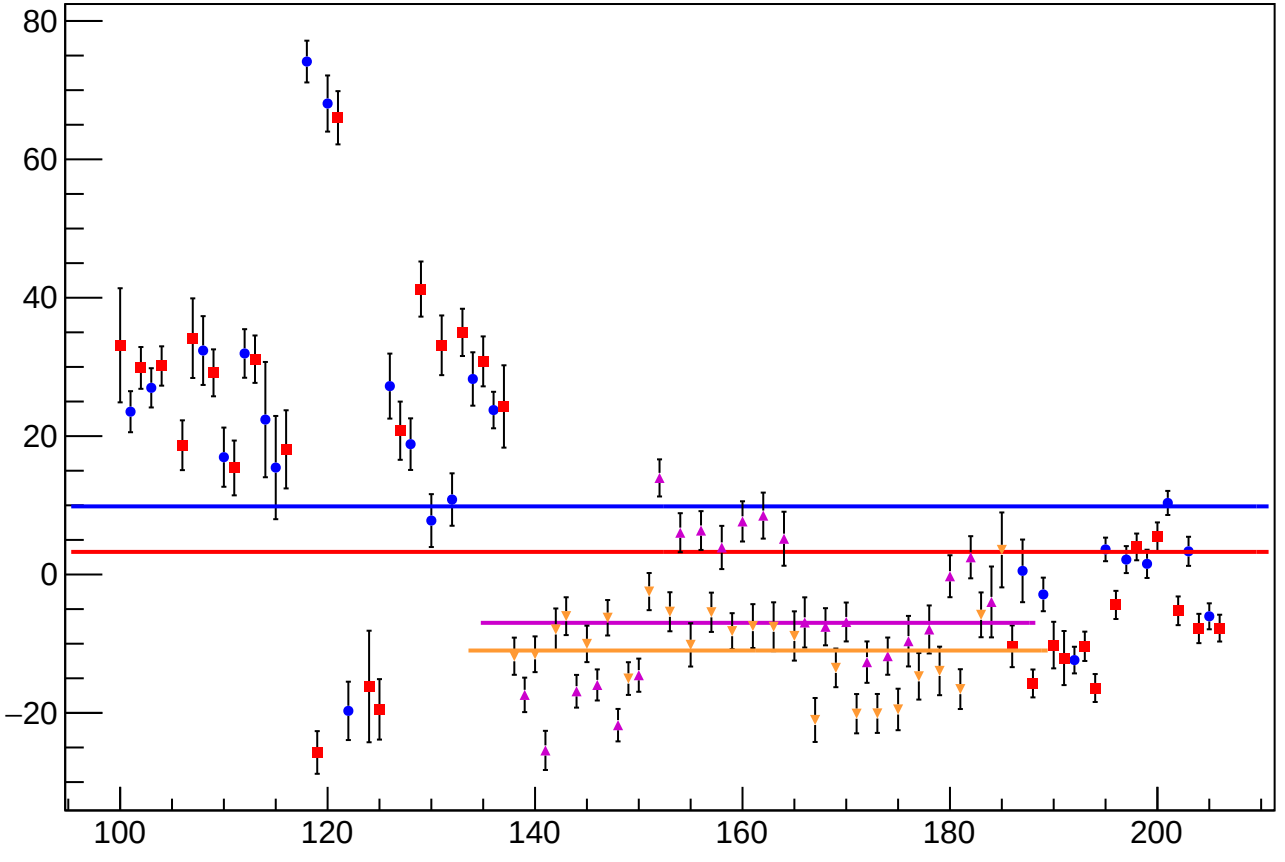
Right: 1866.473+/-0.244 χ^2/NDF: 2161080.0/55

In: 1939.076+/-0.247 χ^2/NDF:2341113.2/47

Out: 1958.629+/-0.236 χ^2/NDF:2217687.2/55

All: 1949.297+/-0.170 χ^2/NDF: 4562087.6/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 9.846+/-0.549 χ^2/NDF: 1194.5/24

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 3.268+/-0.522 χ^2/NDF: 1437.2/30

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

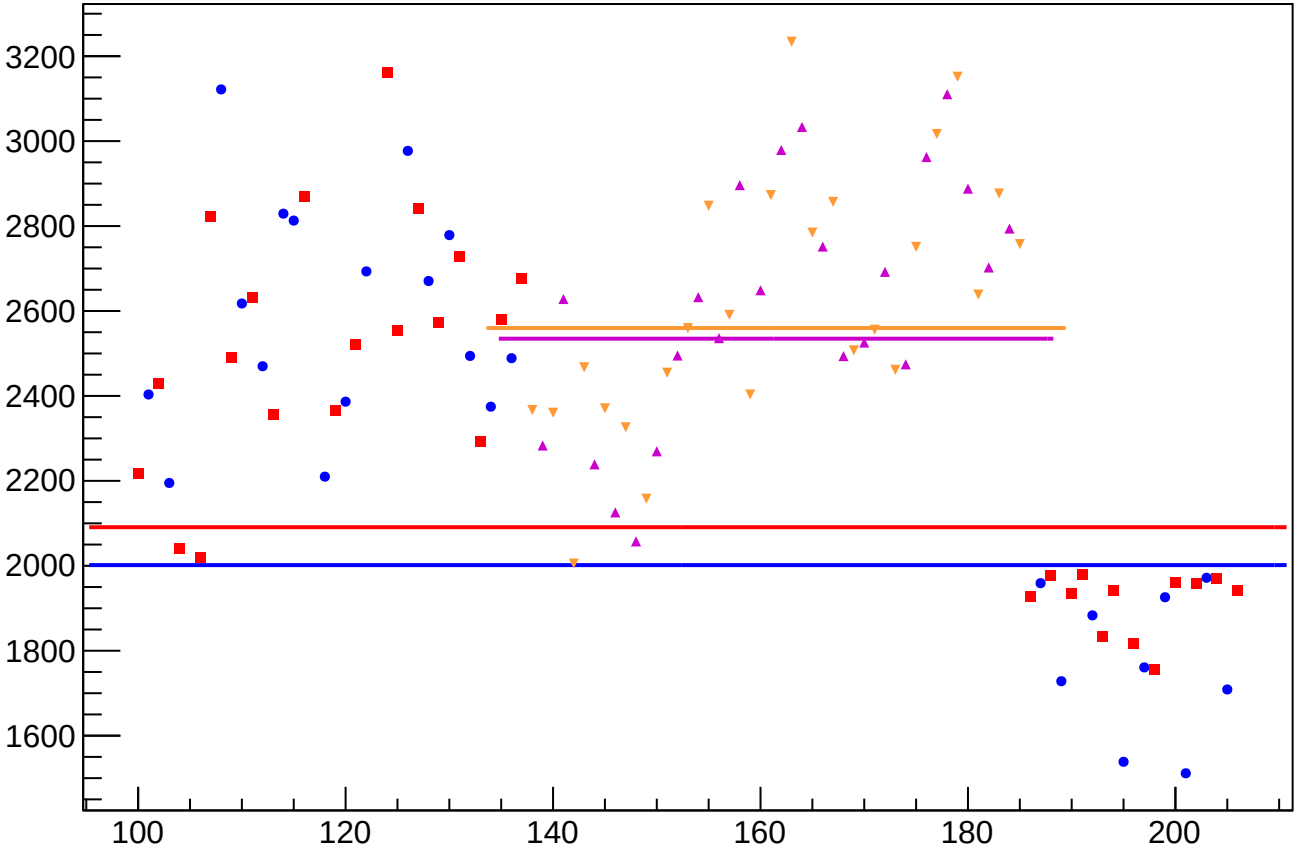
Right: 6.393+/-0.378 χ^2/NDF: 2707.0/55

In: 2.153+/-0.405 χ^2/NDF:1963.4/47

Out: -3.045+/-0.390 χ^2/NDF:1854.5/55

All: -0.542+/-0.281 χ^2/NDF: 3903.5/103

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2001.636+/-0.388 χ^2/NDF: 1125130.7/24

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2090.885+/-0.369 χ^2/NDF: 661779.0/30

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

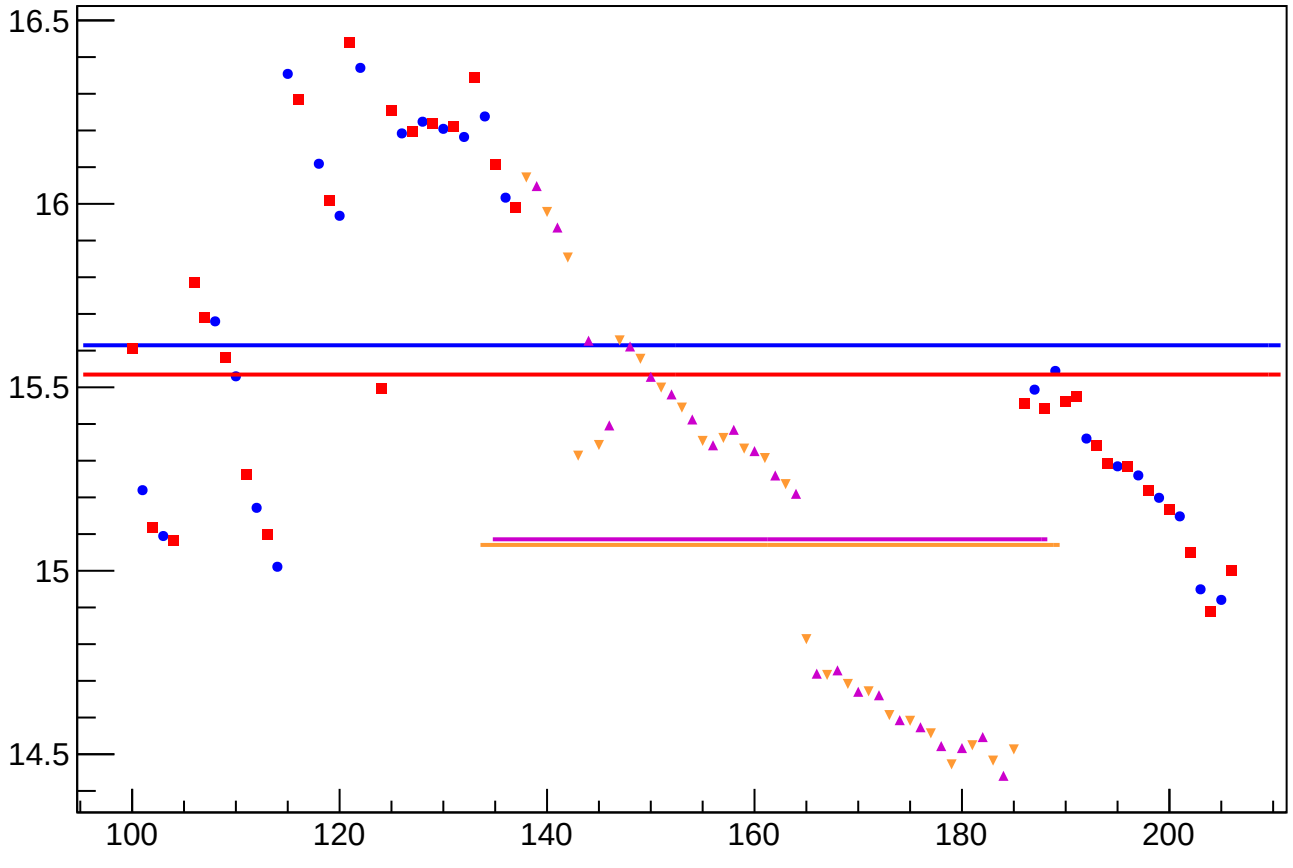
Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

Right: 2048.484+/-0.268 χ^2/NDF: 1814640.5/55

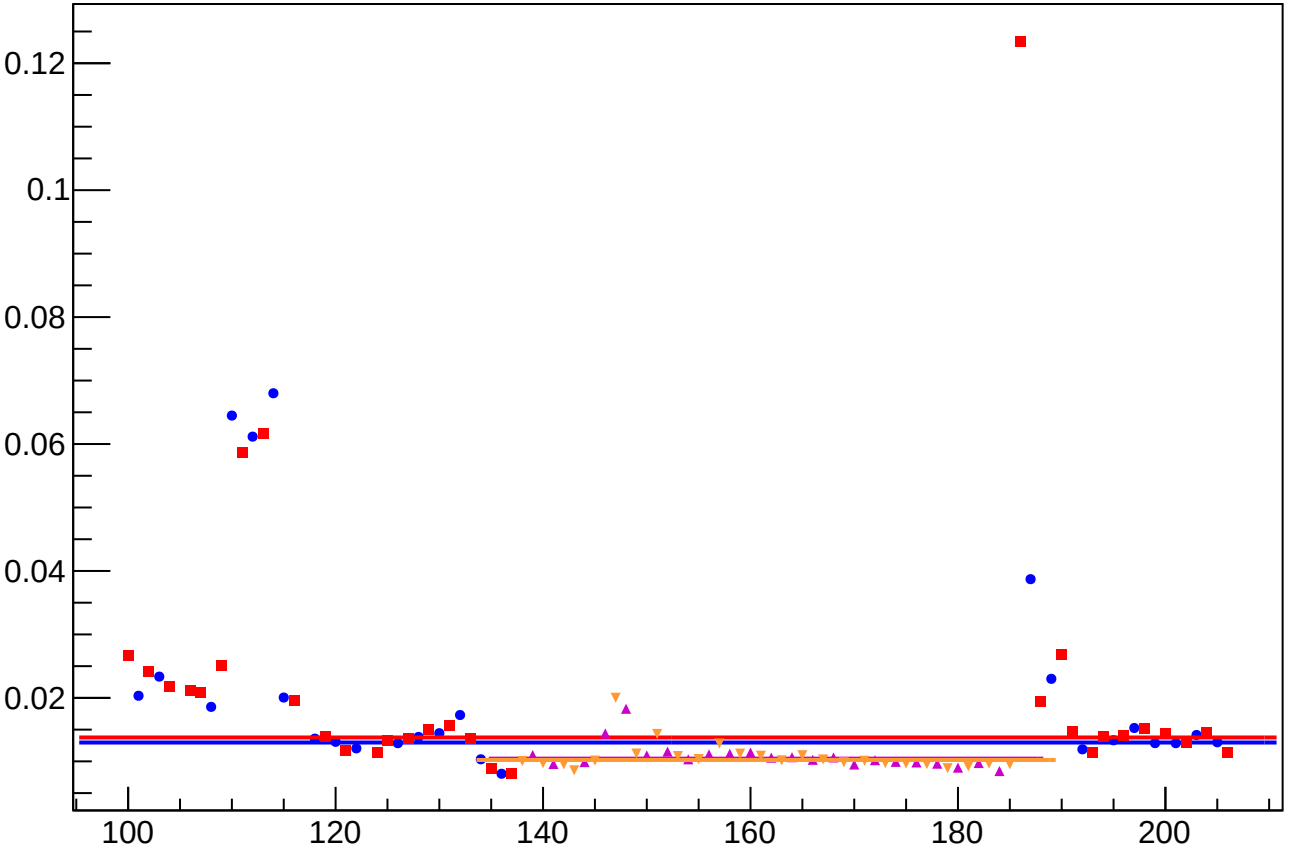
In: 2245.333+/-0.286 χ^2/NDF:2450479.7/47

Out: 2298.635+/-0.276 χ^2/NDF:1826046.1/55

All: 2272.969+/-0.199 χ^2/NDF: 4294521.3/10


yield_sam1_mean vs Slug, Sign Corrected
16.5
16
15.5
15
14.5
100
120
140
160
180
200
Right In: 15.615+/-0.000 χ²/NDF: 16951990864.6/24
Left Out: 15.070+/-0.000 χ²/NDF:43718295237.2/24
Right Out: 15.535+/-0.000 χ²/NDF: 18141443816.0/30
Left In: 15.086+/-0.000 χ²/NDF:39504896066.7/22
Left: 15.078+/-0.000 χ²/NDF: 83242630627.9/47
Right: 15.574+/-0.000 χ²/NDF: 35322466937.7/55
In: 15.250+/-0.000 χ²/NDF:70132962867.5/47
Out: 15.208+/-0.000 χ²/NDF:72956791595.2/55
All: 15.228+/-0.000 χ²/NDF: 143295323867.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2750845.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3340044.5/30

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

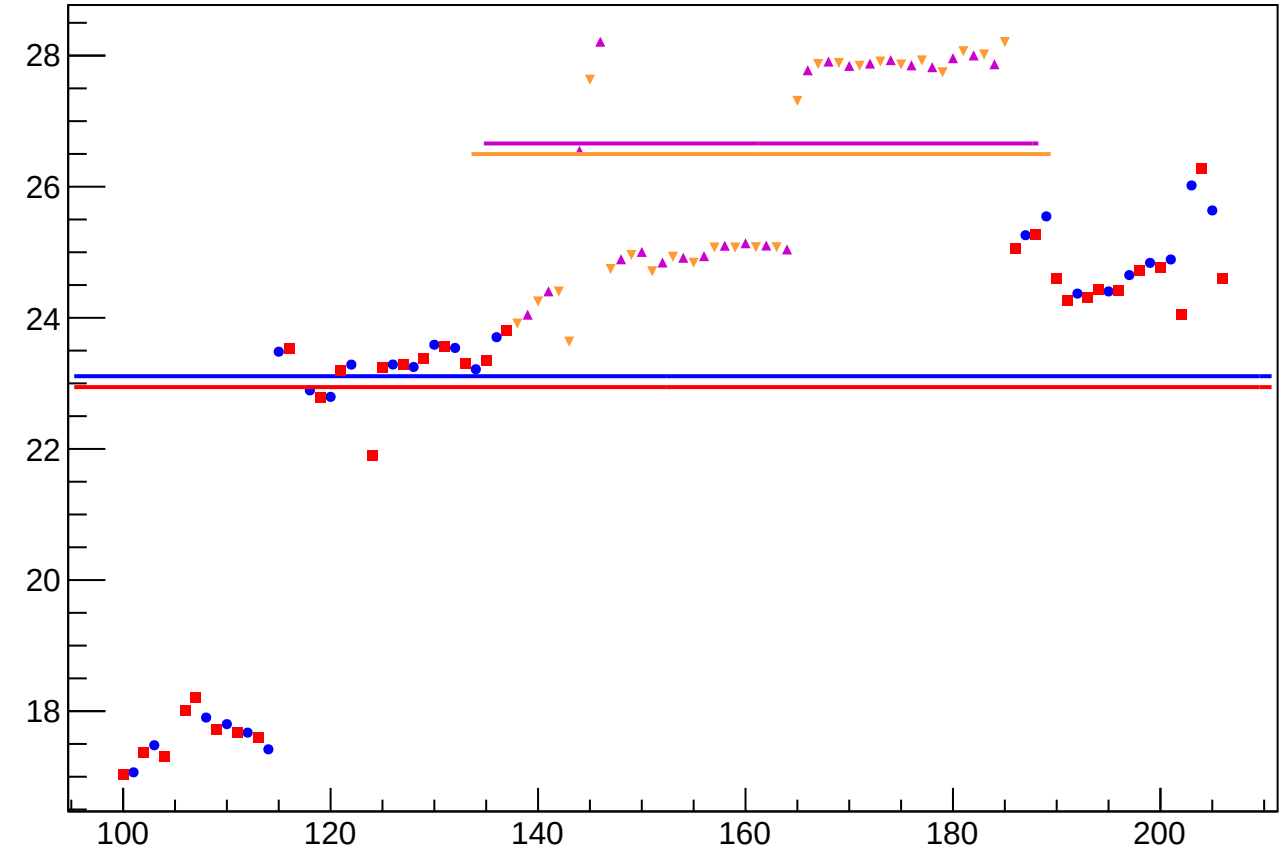
Right: 0.013+/-0.000 χ^2/NDF: 6136367.5/55

In: 0.011+/-0.000 χ^2/NDF:3979756.6/47

Out: 0.011+/-0.000 χ^2/NDF:5394766.3/55

All: 0.011+/-0.000 χ^2/NDF: 9375172.5/103

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.109+/-0.000 χ^2/NDF: 1551182926.4/24

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.943+/-0.000 χ^2/NDF: 1653544160.0/30

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

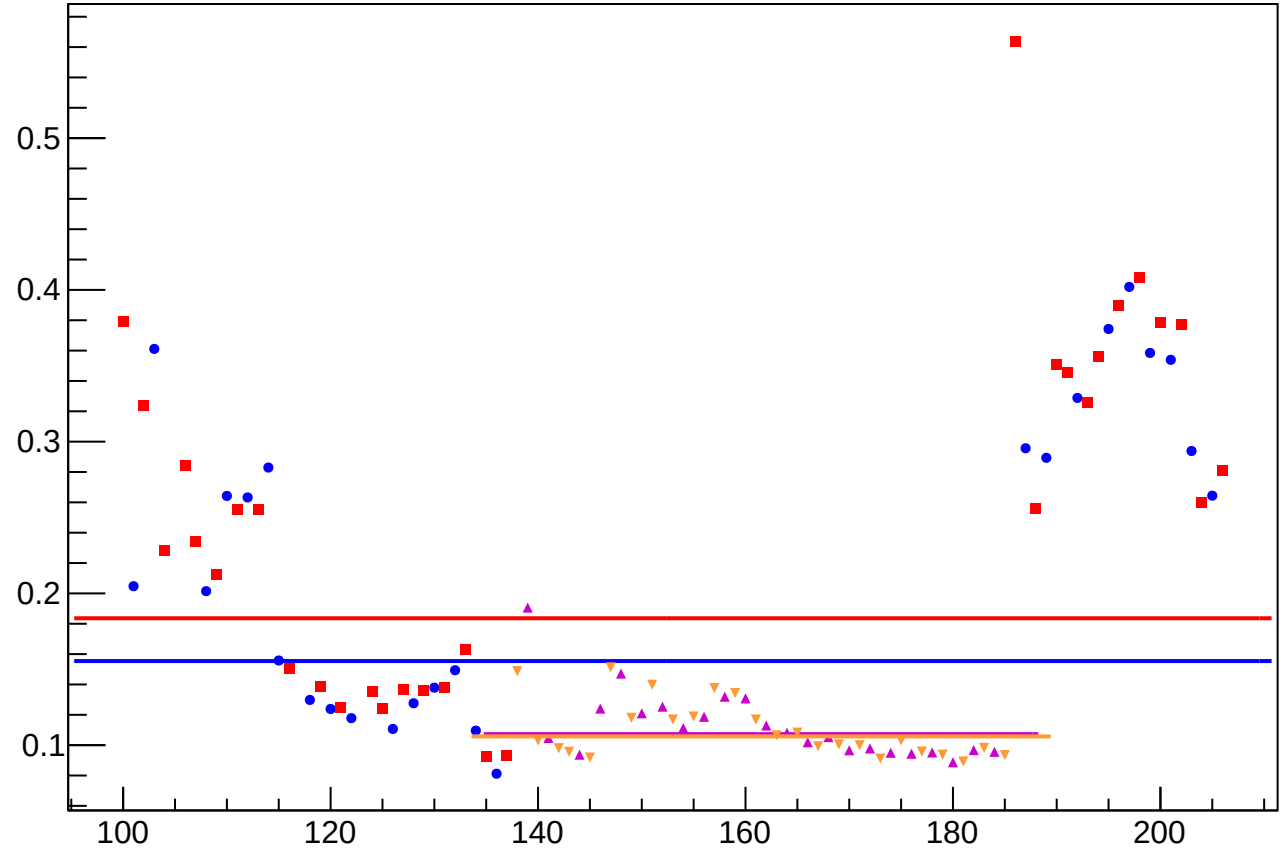
Right: 23.031+/-0.000 χ^2/NDF: 3210008683.0/55

In: 25.842+/-0.000 χ^2/NDF:8384658839.2/47

Out: 25.802+/-0.000 χ^2/NDF:9230912585.2/55

All: 25.822+/-0.000 χ^2/NDF: 17617050539.5

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.155+/-0.000 χ^2/NDF: 6149726.2/24

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.184+/-0.000 χ^2/NDF: 6211032.9/30

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

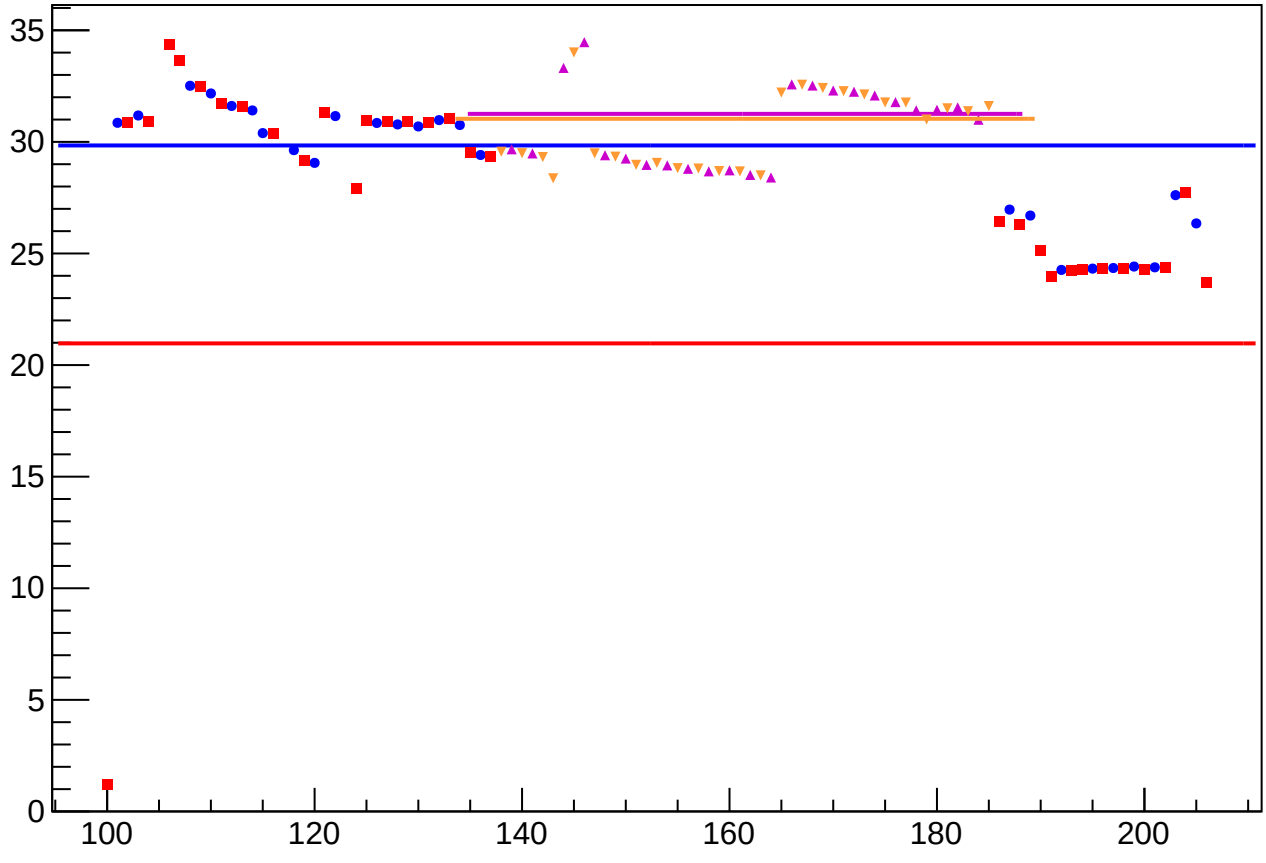
Right: 0.169+/-0.000 χ^2/NDF: 12664988.3/55

In: 0.118+/-0.000 χ^2/NDF:8461567.8/47

Out: 0.121+/-0.000 χ^2/NDF:10485071.6/55

All: 0.120+/-0.000 χ^2/NDF: 18959545.8/103

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.840+/-0.000 χ^2/NDF: 3714303373.3/24

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.971+/-0.000 χ^2/NDF: 225810659227.2/30

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

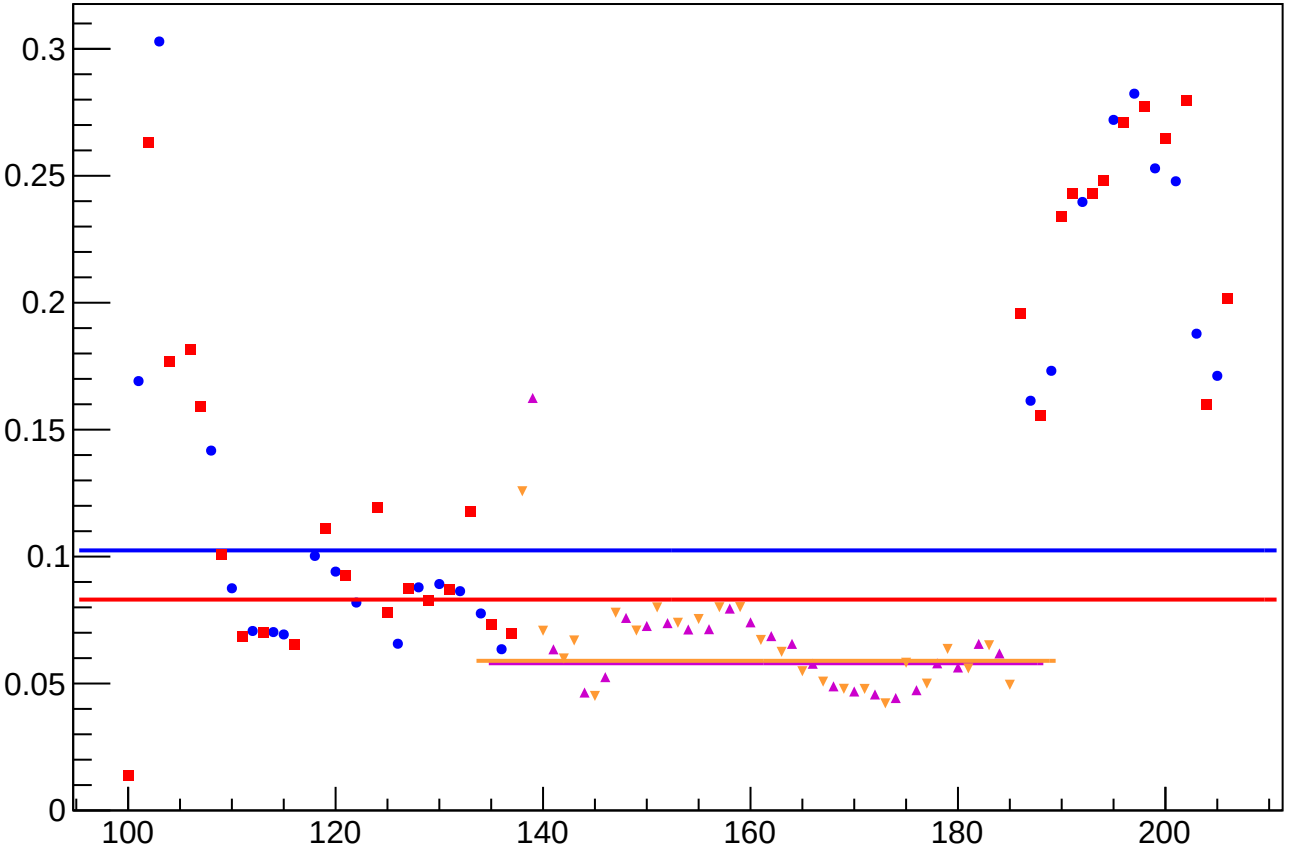
Right: 24.674+/-0.000 χ^2/NDF: 271349365368.4/55

In: 30.999+/-0.000 χ^2/NDF:17802192976.0/47

Out: 28.728+/-0.000 χ^2/NDF:337143089024.2/55

All: 29.808+/-0.000 χ^2/NDF: 368576947600.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.102+/-0.000 χ^2/NDF: 5796238.4/24

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 11943009.7/30

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

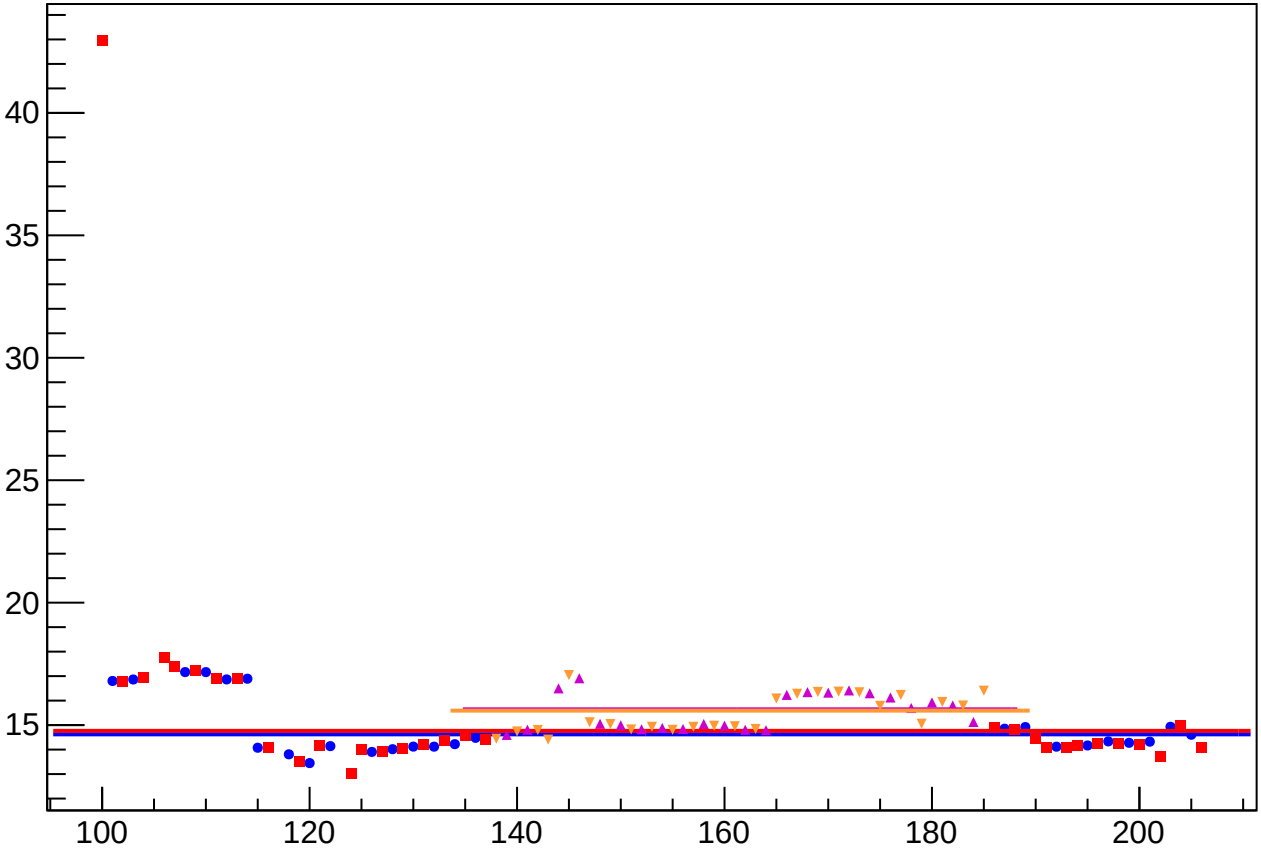
Right: 0.091+/-0.000 χ^2/NDF: 18138354.6/55

In: 0.066+/-0.000 χ^2/NDF:10466748.1/47

Out: 0.064+/-0.000 χ^2/NDF:14622119.1/55

All: 0.065+/-0.000 χ^2/NDF: 25101798.5/103

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.622+/-0.000 χ^2/NDF: 1211781102.3/24

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.765+/-0.000 χ^2/NDF: 1805734463.6/30

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

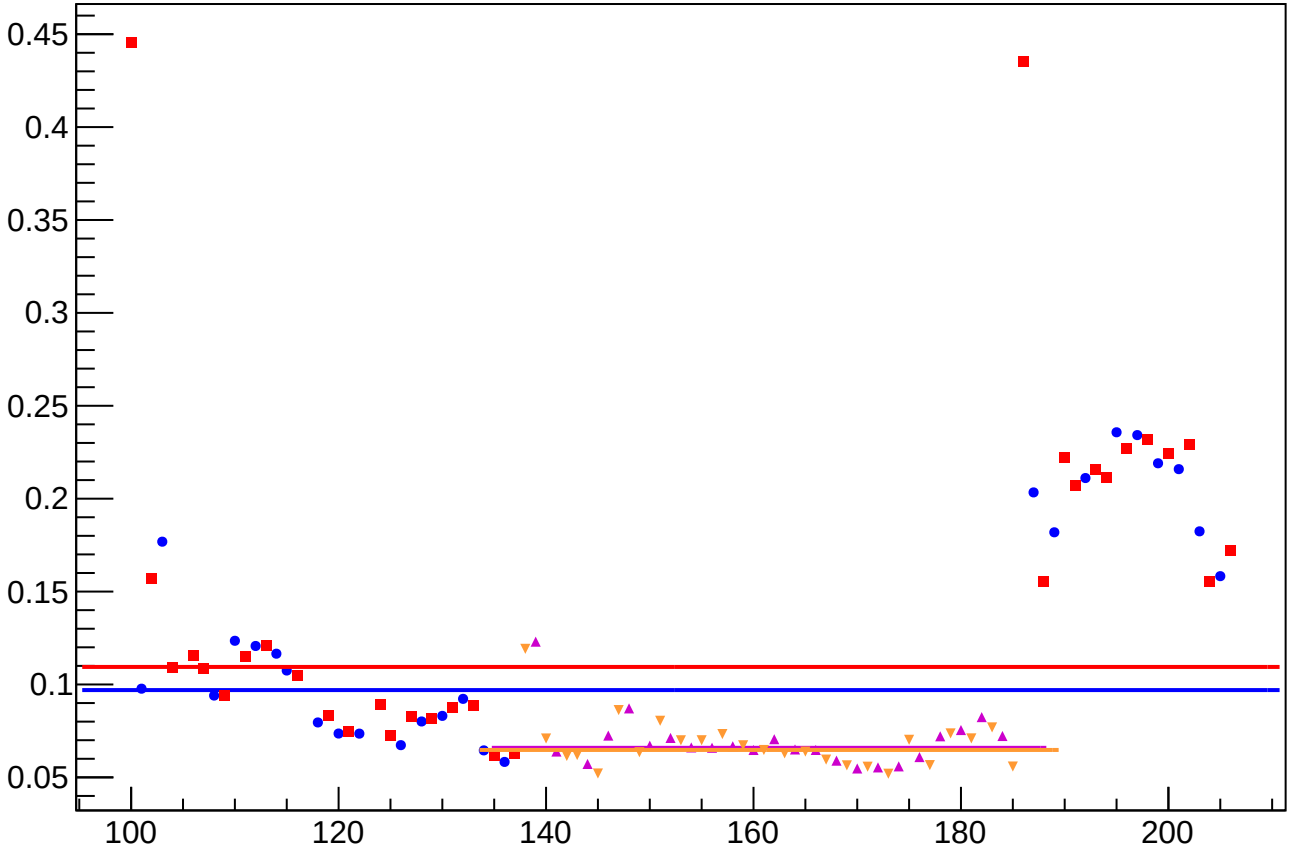
Right: 14.692+/-0.000 χ^2/NDF: 3028362034.3/55

In: 15.404+/-0.000 χ^2/NDF:3951455670.7/47

Out: 15.417+/-0.000 χ^2/NDF:4624452467.1/55

All: 15.411+/-0.000 χ^2/NDF: 8576347977.3/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.097+/-0.000 χ^2/NDF: 5170051.1/24

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.109+/-0.000 χ^2/NDF: 5535201.4/30

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

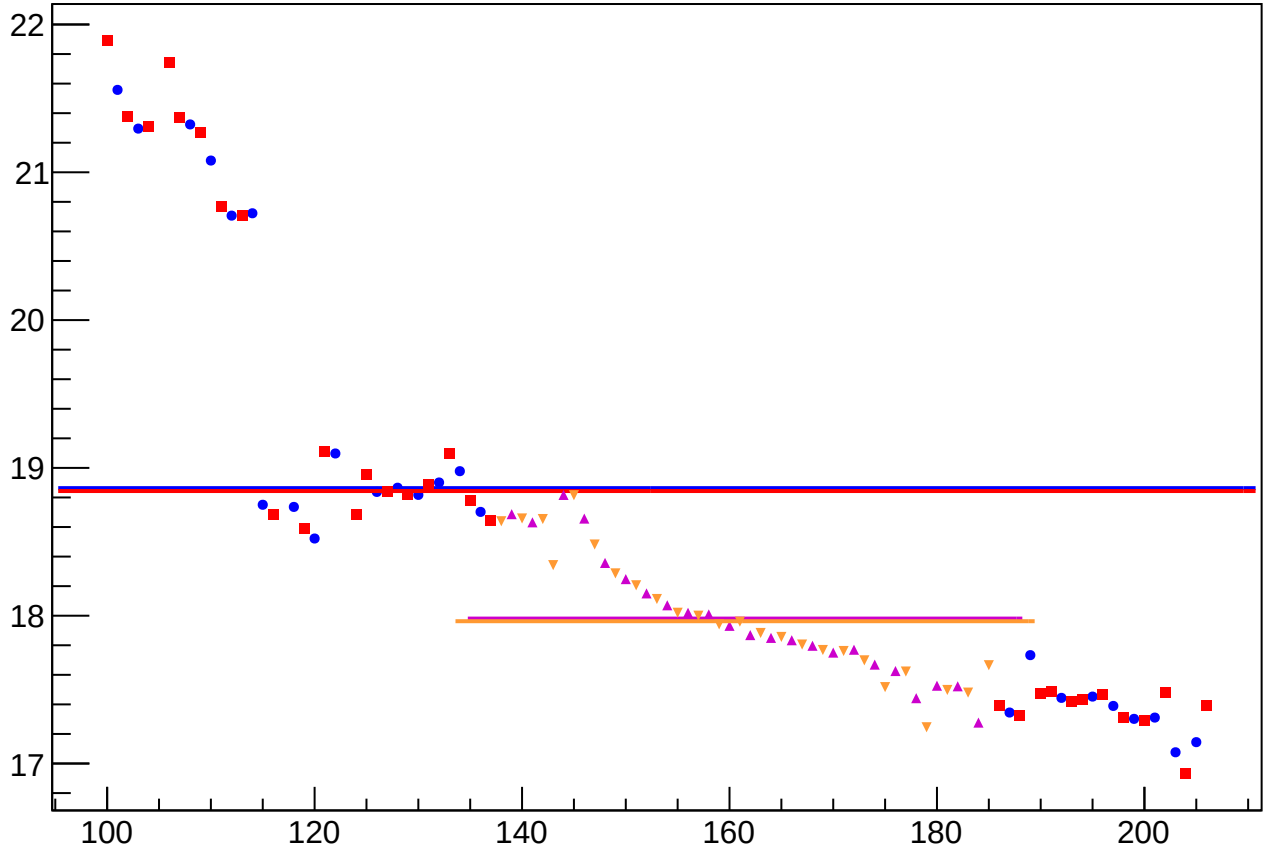
Right: 0.103+/-0.000 χ^2/NDF: 10871502.6/55

In: 0.073+/-0.000 χ^2/NDF:7587945.9/47

Out: 0.074+/-0.000 χ^2/NDF:9672785.5/55

All: 0.074+/-0.000 χ^2/NDF: 17264924.7/103

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.863+/-0.000 χ^2/NDF: 30831780817.8/24

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.844+/-0.000 χ^2/NDF: 35153857714.3/30

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

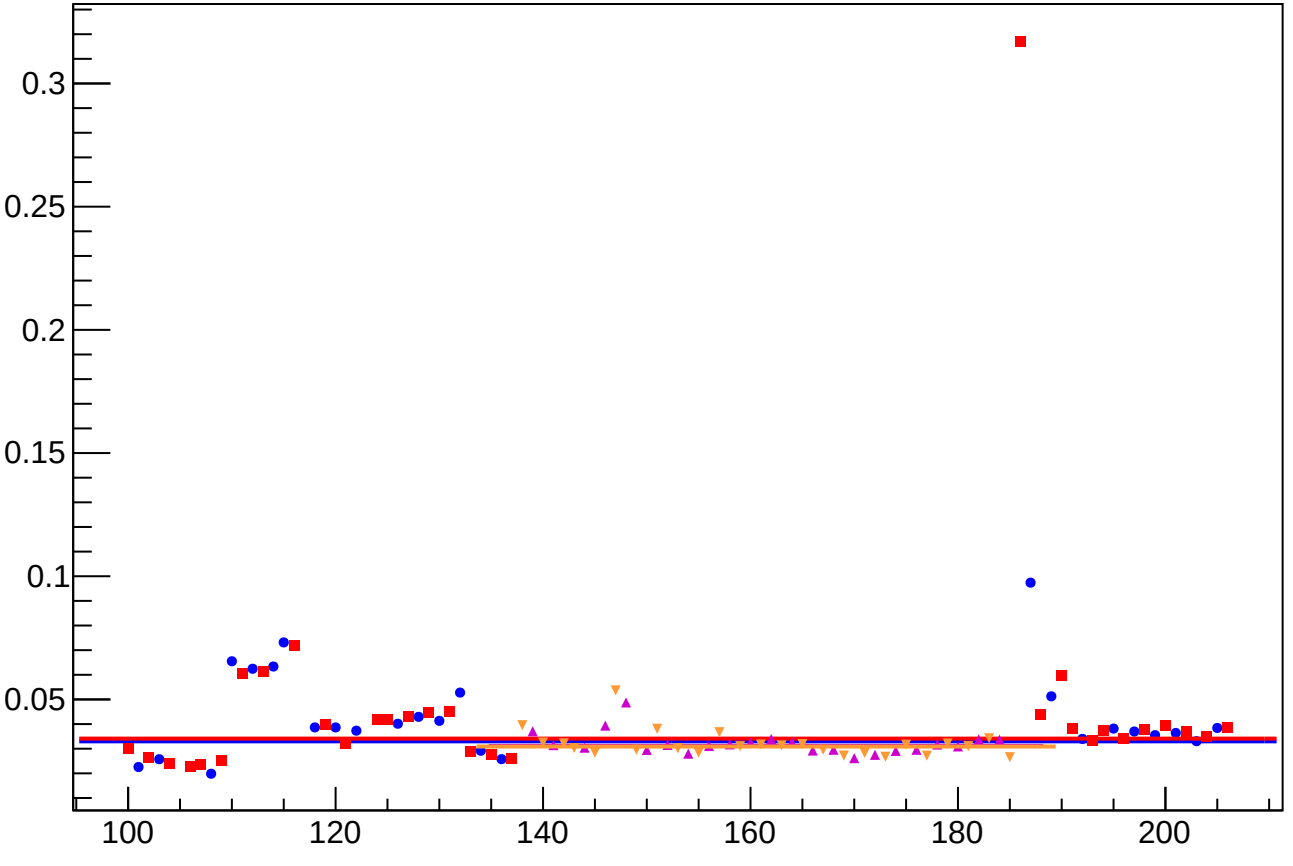
Right: 18.853+/-0.000 χ^2/NDF: 65987891948.2/55

In: 18.322+/-0.000 χ^2/NDF:38940121229.3/47

Out: 18.307+/-0.000 χ^2/NDF:44008941472.4/55

All: 18.314+/-0.000 χ^2/NDF: 82952594683.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1930825.4/24

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2265603.4/30

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

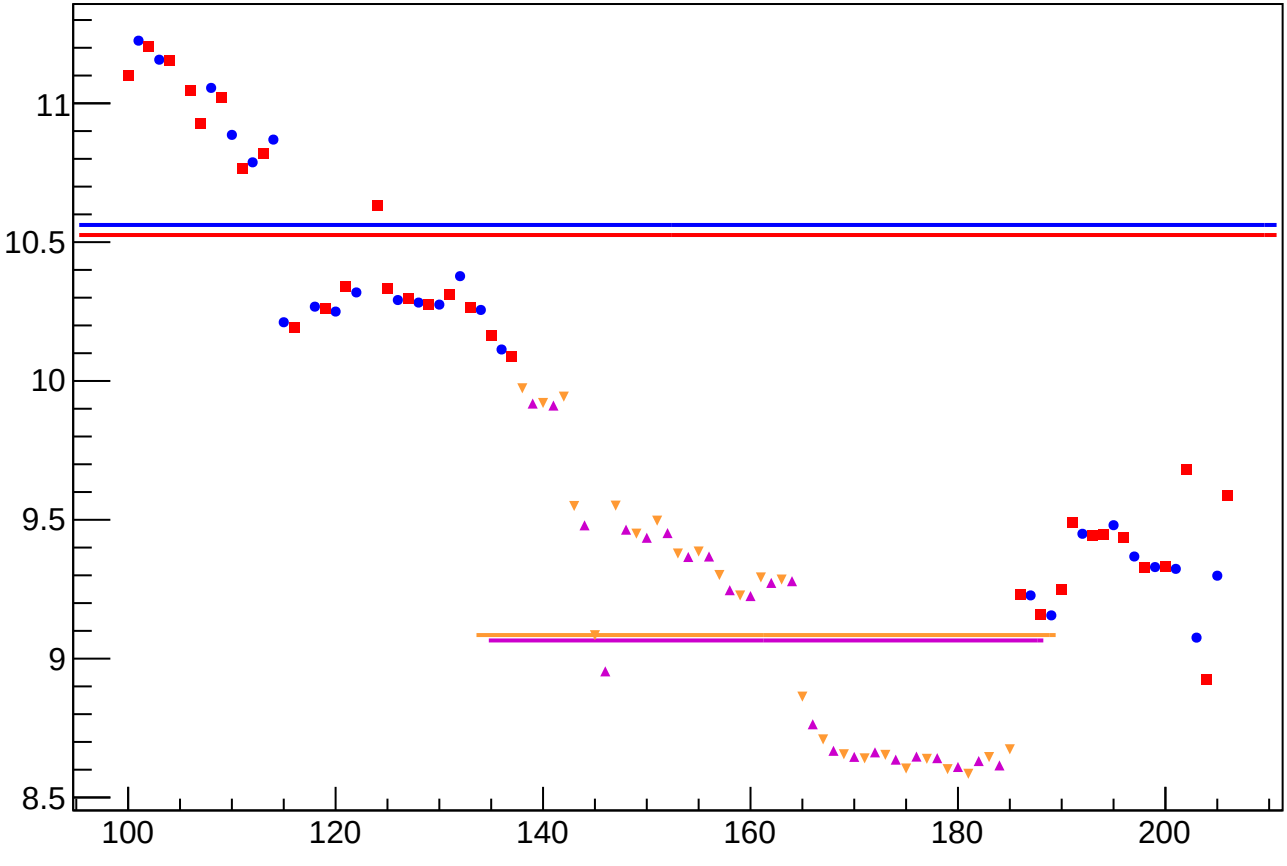
Right: 0.034+/-0.000 χ^2/NDF: 4210775.6/55

In: 0.032+/-0.000 χ^2/NDF:2461543.8/47

Out: 0.032+/-0.000 χ^2/NDF:3053548.5/55

All: 0.032+/-0.000 χ^2/NDF: 5517595.0/103

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.562+/-0.000 χ^2/NDF: 12702779637.8/24

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.526+/-0.000 χ^2/NDF: 12590691685.6/30

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

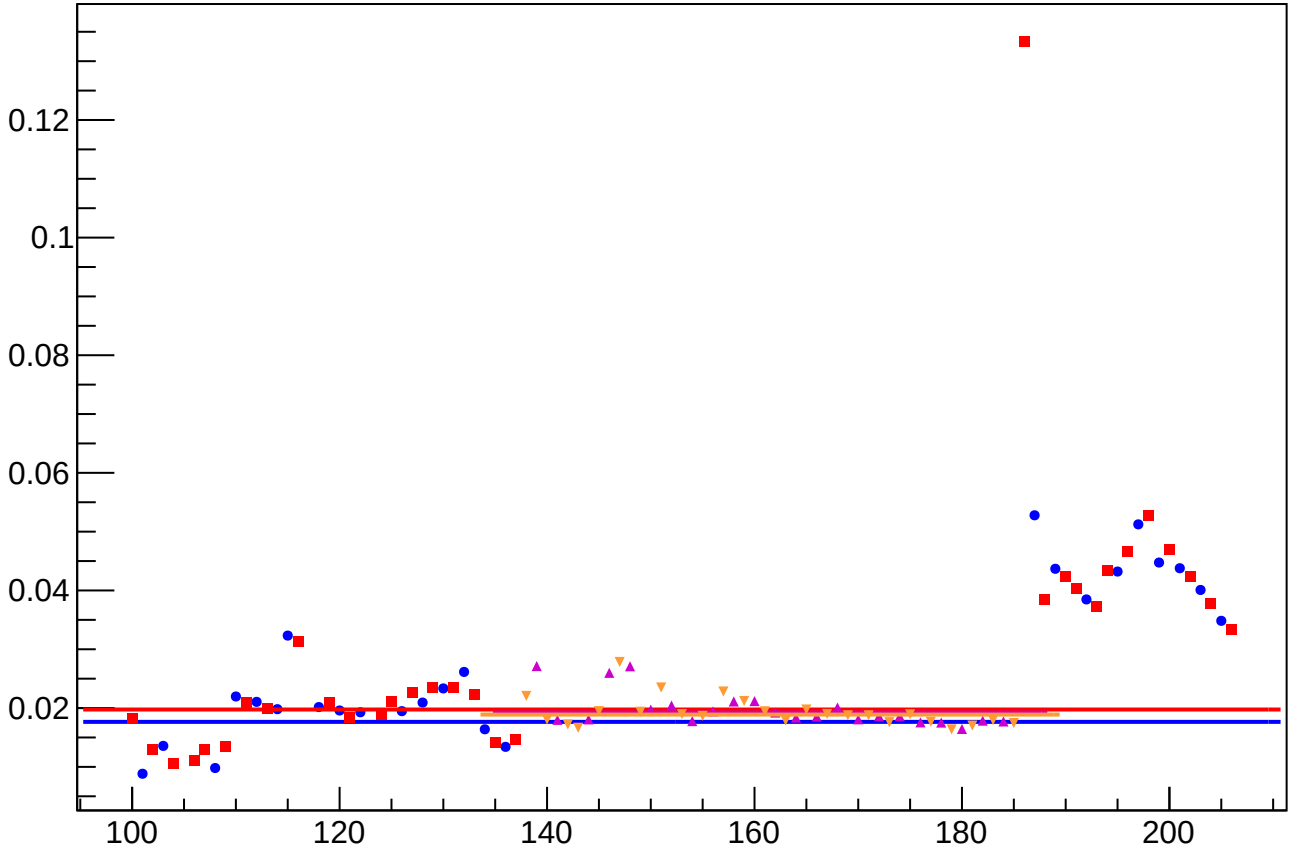
Right: 10.544+/-0.000 χ^2/NDF: 25313803282.4/55

In: 9.683+/-0.000 χ^2/NDF:62133767819.8/47

Out: 9.636+/-0.000 χ^2/NDF:61928407354.3/55

All: 9.659+/-0.000 χ^2/NDF: 124146867880.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 6616122.0/24

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7139267.1/30

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

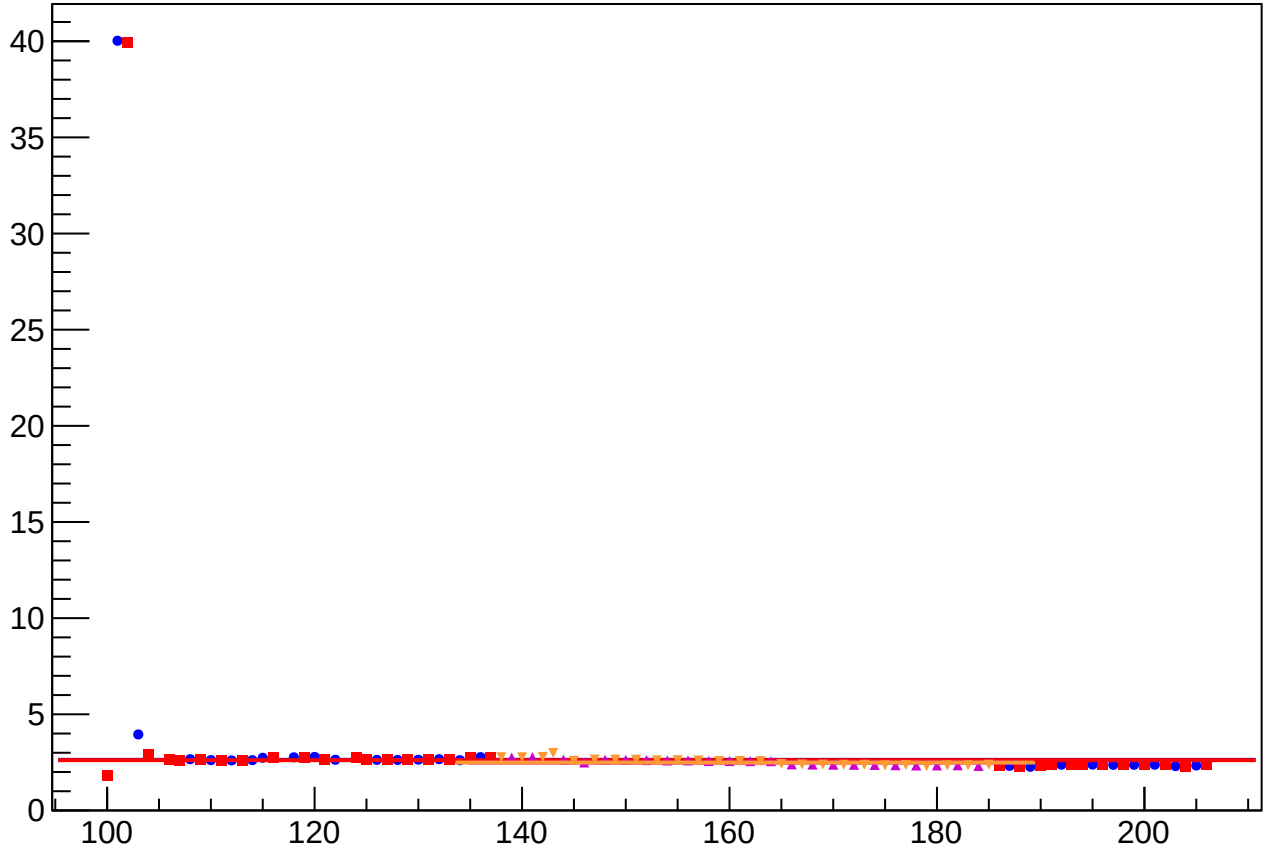
Right: 0.019+/-0.000 χ^2/NDF: 13892190.9/55

In: 0.019+/-0.000 χ^2/NDF:7248839.7/47

Out: 0.019+/-0.000 χ^2/NDF:7608627.6/55

All: 0.019+/-0.000 χ^2/NDF: 14889705.3/103

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.631+/-0.000 χ^2/NDF: 82962650379.0/24

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.615+/-0.000 χ^2/NDF: 83298227683.5/30

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

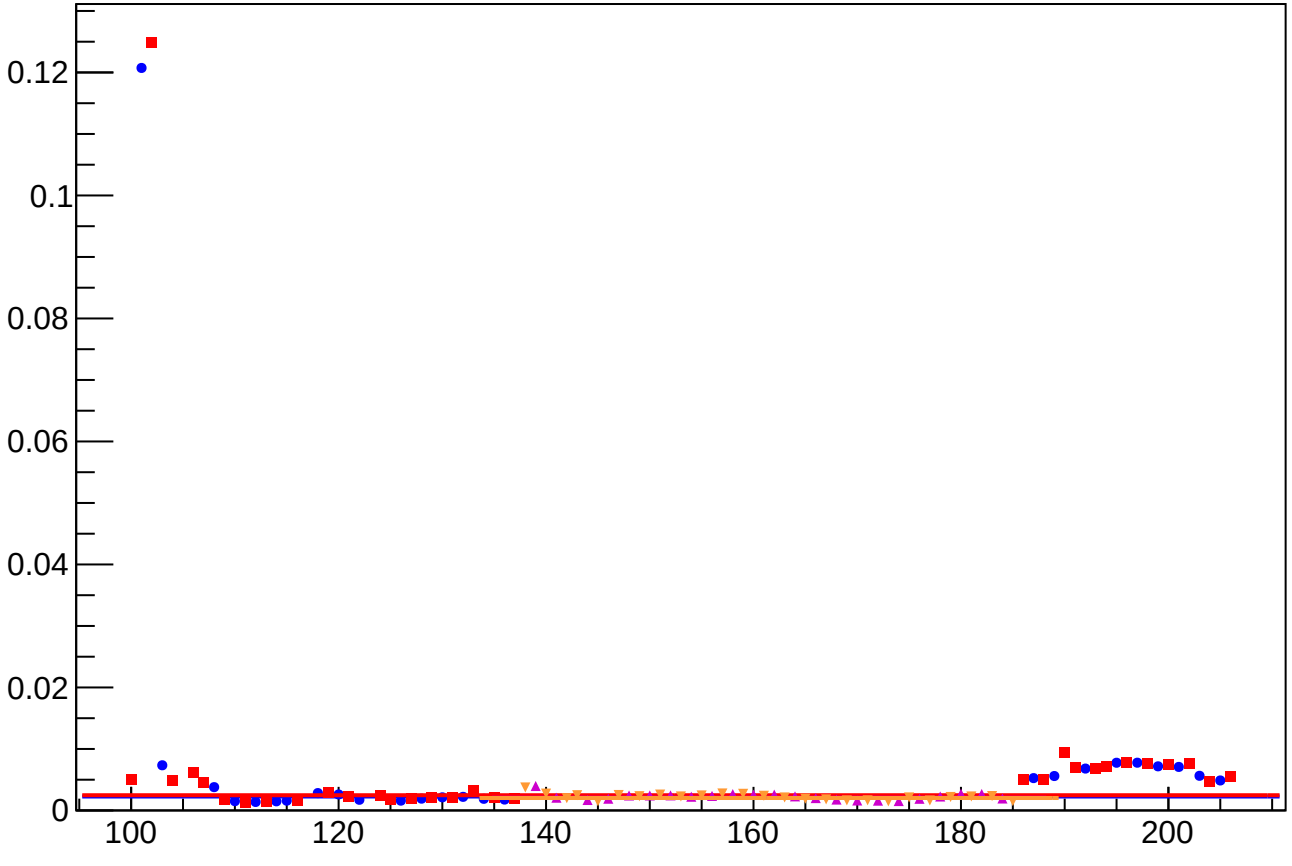
Right: 2.623+/-0.000 χ^2/NDF: 166481210706.7/55

In: 2.534+/-0.000 χ^2/NDF:166491346252.4/47

Out: 2.528+/-0.000 χ^2/NDF:192983730078.7/55

All: 2.531+/-0.000 χ^2/NDF: 359555841716.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8005964.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10071095.1/30

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

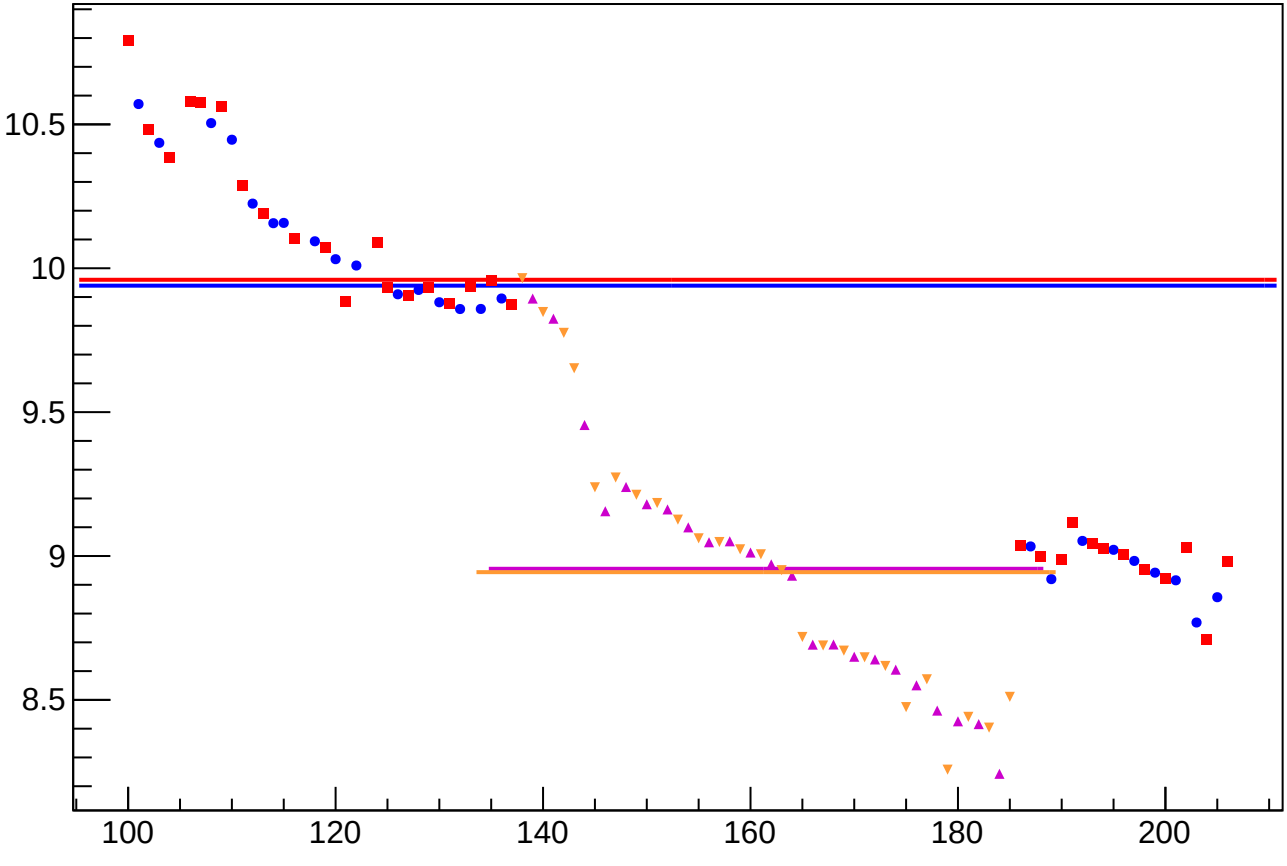
Right: 0.002+/-0.000 χ^2/NDF: 18147562.7/55

In: 0.002+/-0.000 χ^2/NDF:9497211.8/47

Out: 0.002+/-0.000 χ^2/NDF:12092017.3/55

All: 0.002+/-0.000 χ^2/NDF: 21593934.5/103

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.940+/-0.000 χ^2/NDF: 47190733041.2/24

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.960+/-0.000 χ^2/NDF: 59489456427.9/30

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

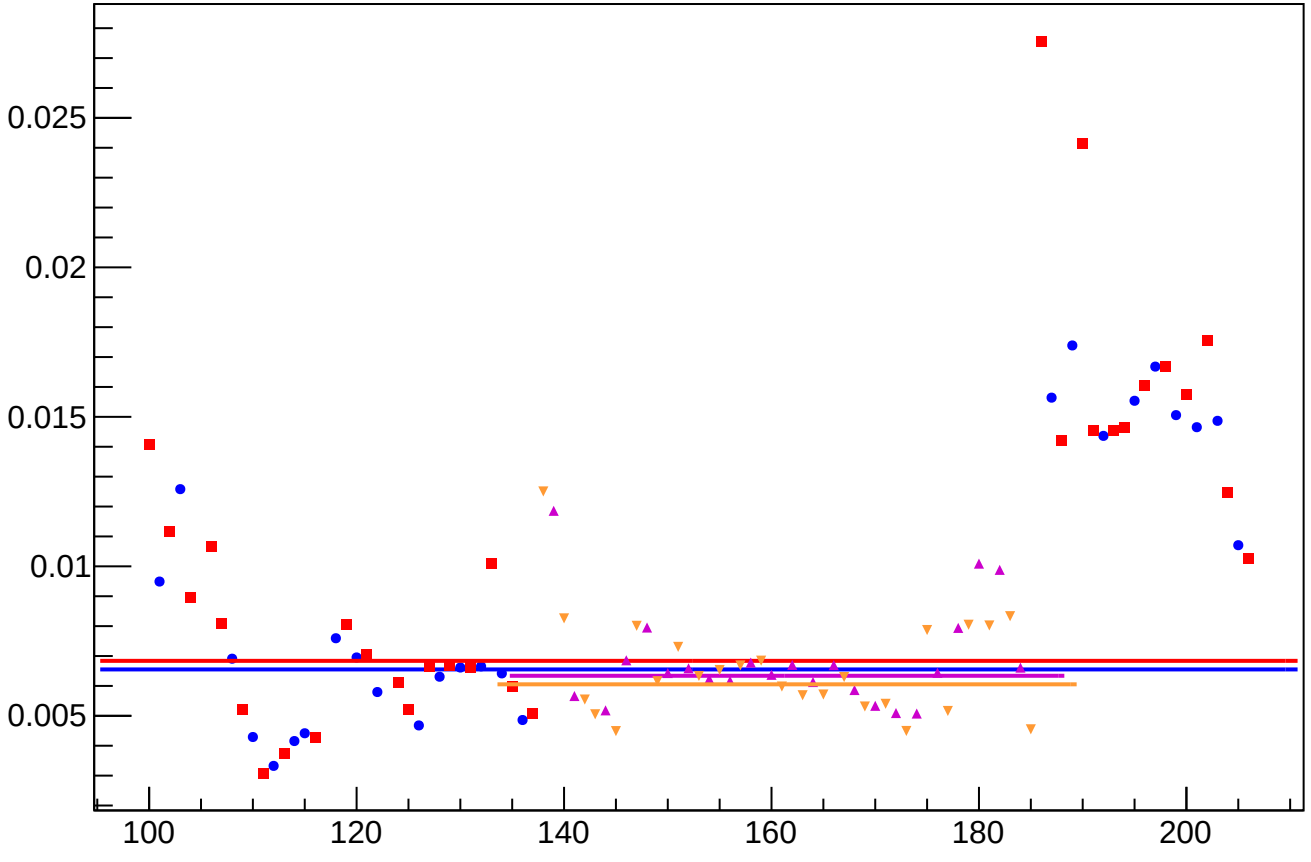
Right: 9.950+/-0.000 χ^2/NDF: 106728571466.3/55

In: 9.333+/-0.000 χ^2/NDF:233216541571.6/47

Out: 9.314+/-0.000 χ^2/NDF:281820260688.8/55

All: 9.323+/-0.000 χ^2/NDF: 515152042529.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5939675.6/24

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7955913.7/30

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

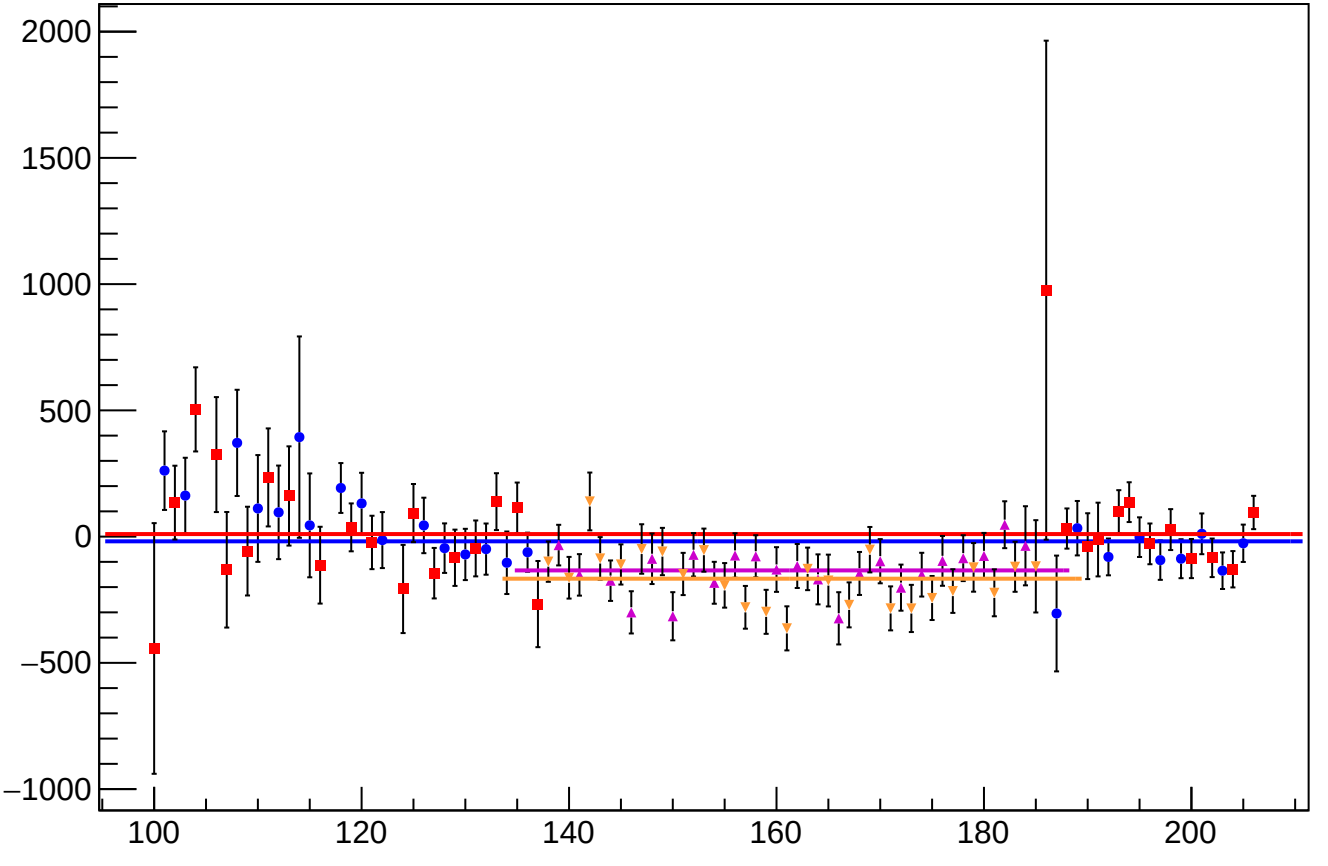
Right: 0.007+/-0.000 χ^2/NDF: 13914693.0/55

In: 0.006+/-0.000 χ^2/NDF:7127420.6/47

Out: 0.006+/-0.000 χ^2/NDF:9603747.4/55

All: 0.006+/-0.000 χ^2/NDF: 16735279.7/103

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.695+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 10.076+/-19.369 χ^2/NDF: 39.6/30

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

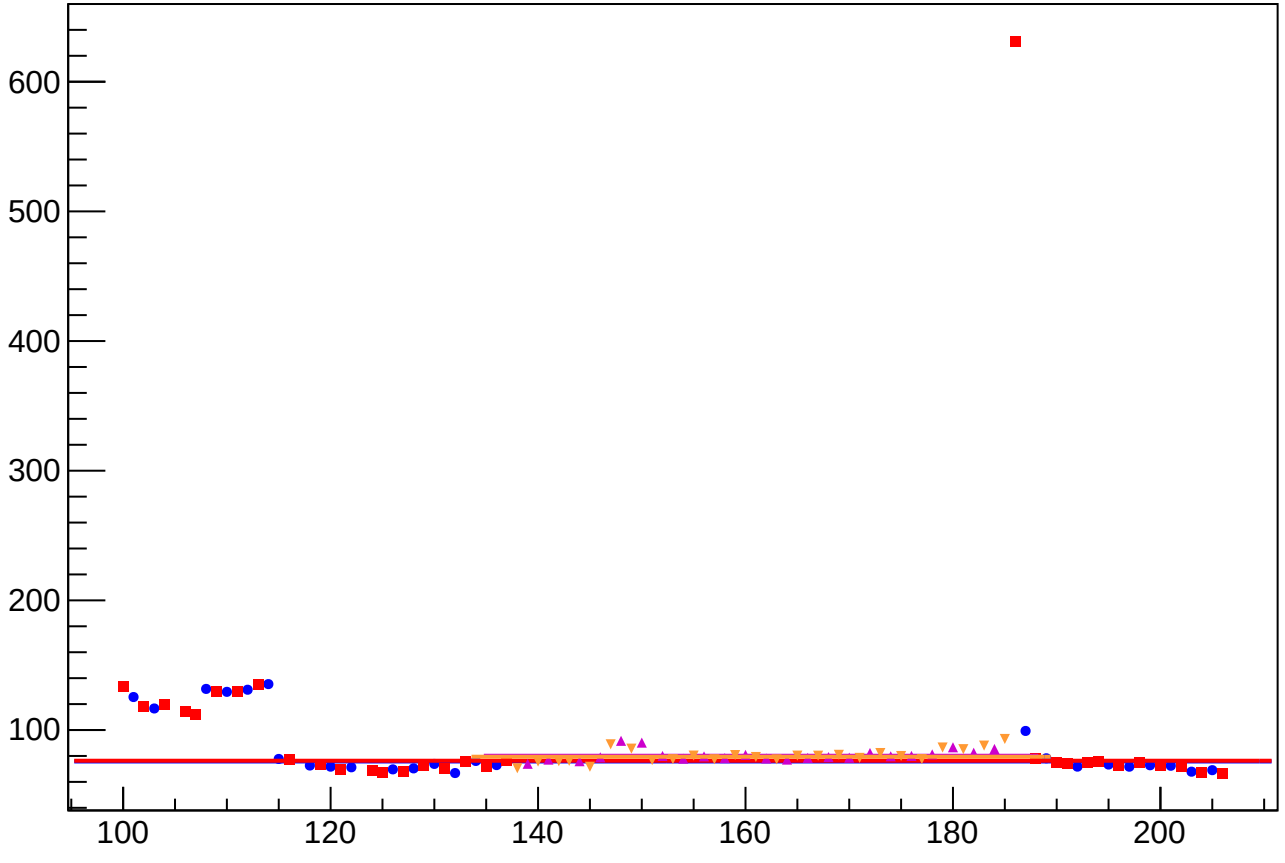
Right: -3.464+/-14.093 χ^2/NDF: 65.3/55

In: -81.494+/-13.851 χ^2/NDF:62.6/47

Out: -84.382+/-13.216 χ^2/NDF:115.8/55

All: -83.006+/-9.562 χ^2/NDF: 178.4/103

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.6/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 76.315+/-0.014 χ^2/NDF: 1726554.2/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

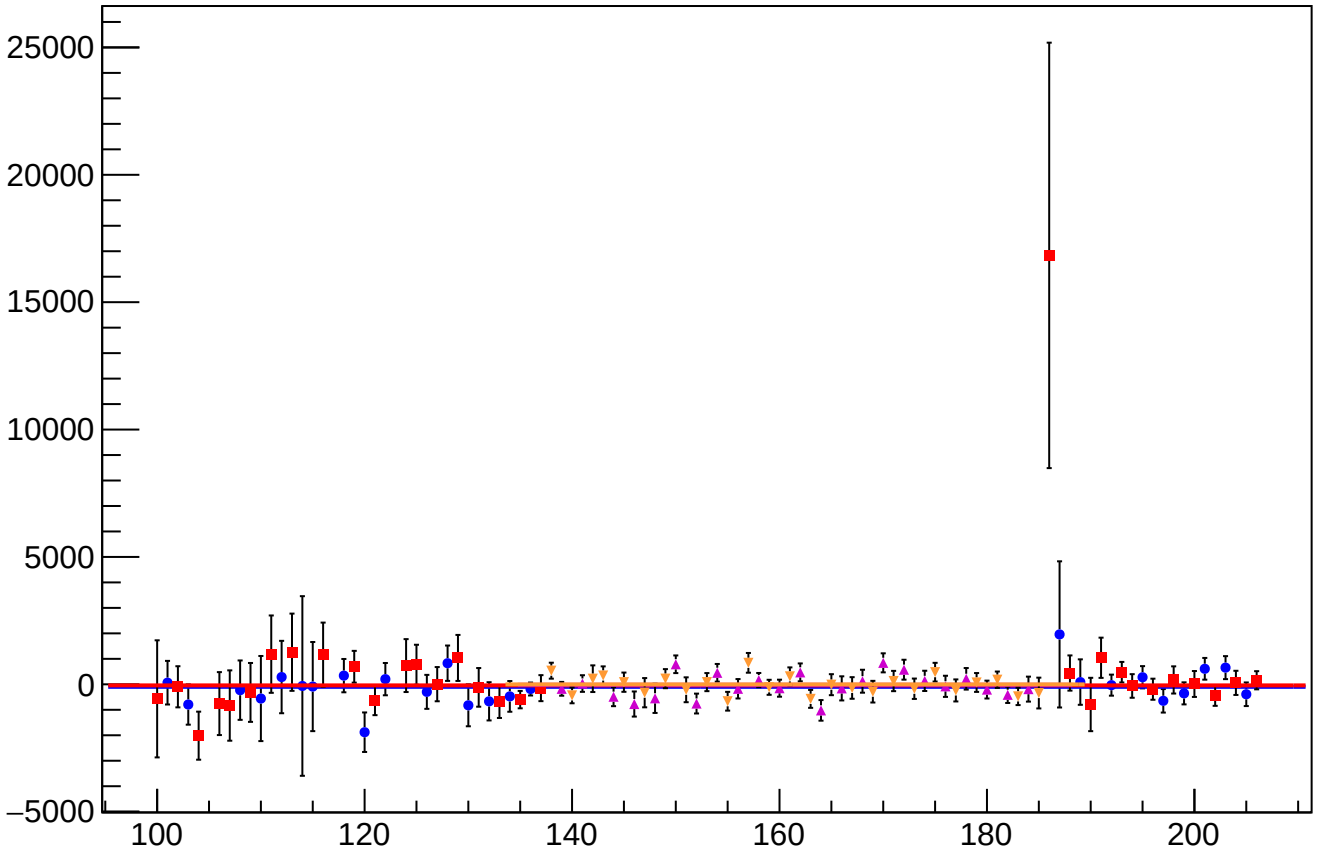
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 76.049+/-0.010 χ^2/NDF: 2693660.9/55

In: 78.155+/-0.010 χ^2/NDF:1108067.9/47

Out: 77.969+/-0.009 χ^2/NDF:1888646.0/55

All: 78.058+/-0.007 χ^2/NDF: 2996901.6/103



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.216+/-110.611 χ^2/NDF: 27.0/30

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

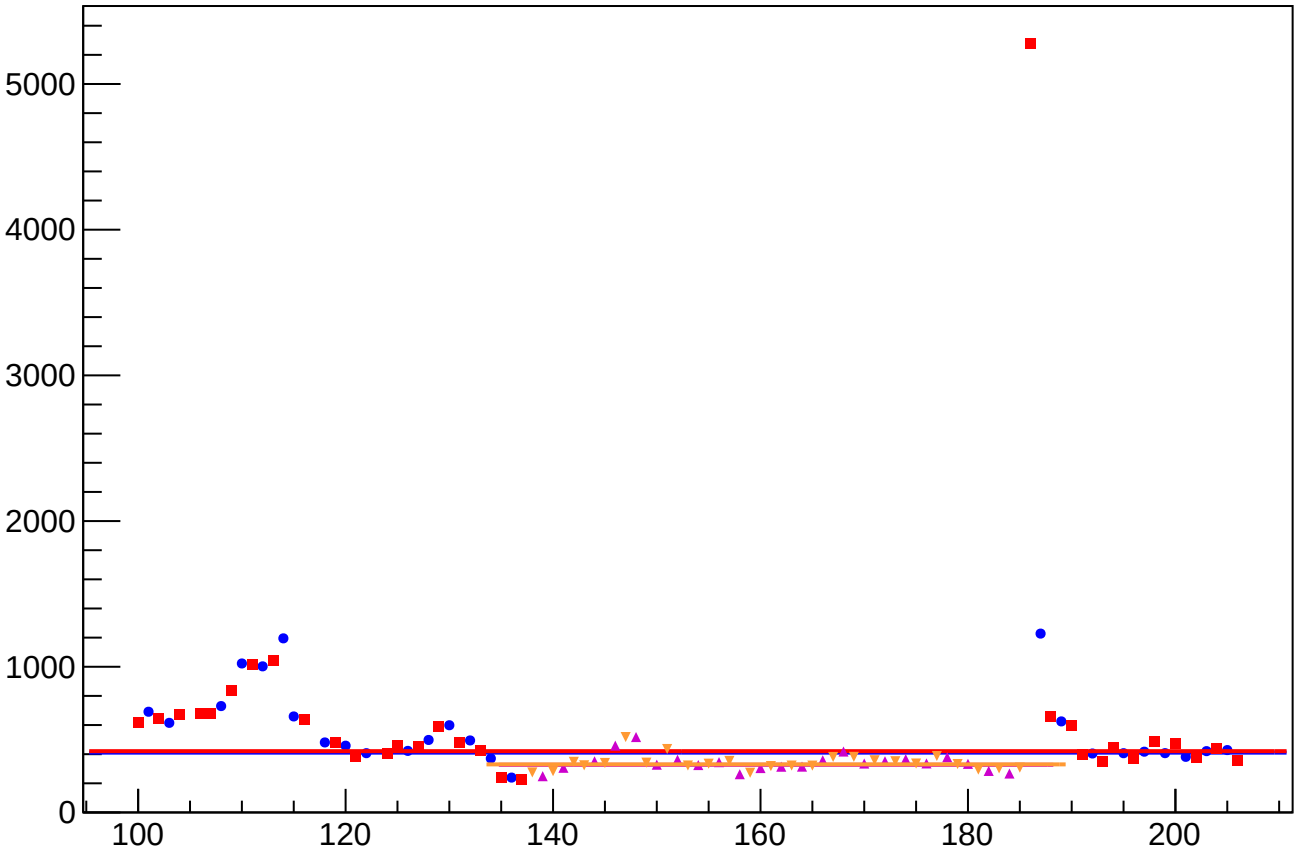
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -69.101+/-79.908 χ^2/NDF: 46.8/55

In: -43.869+/-64.390 χ^2/NDF:55.0/47

Out: -15.868+/-62.562 χ^2/NDF:51.1/55

All: -29.466+/-44.870 χ^2/NDF: 106.3/103



Right In: 410.631+/-0.082 χ^2/NDF: 2656671.7/24

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 420.709+/-0.078 χ^2/NDF: 3592640.0/30

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

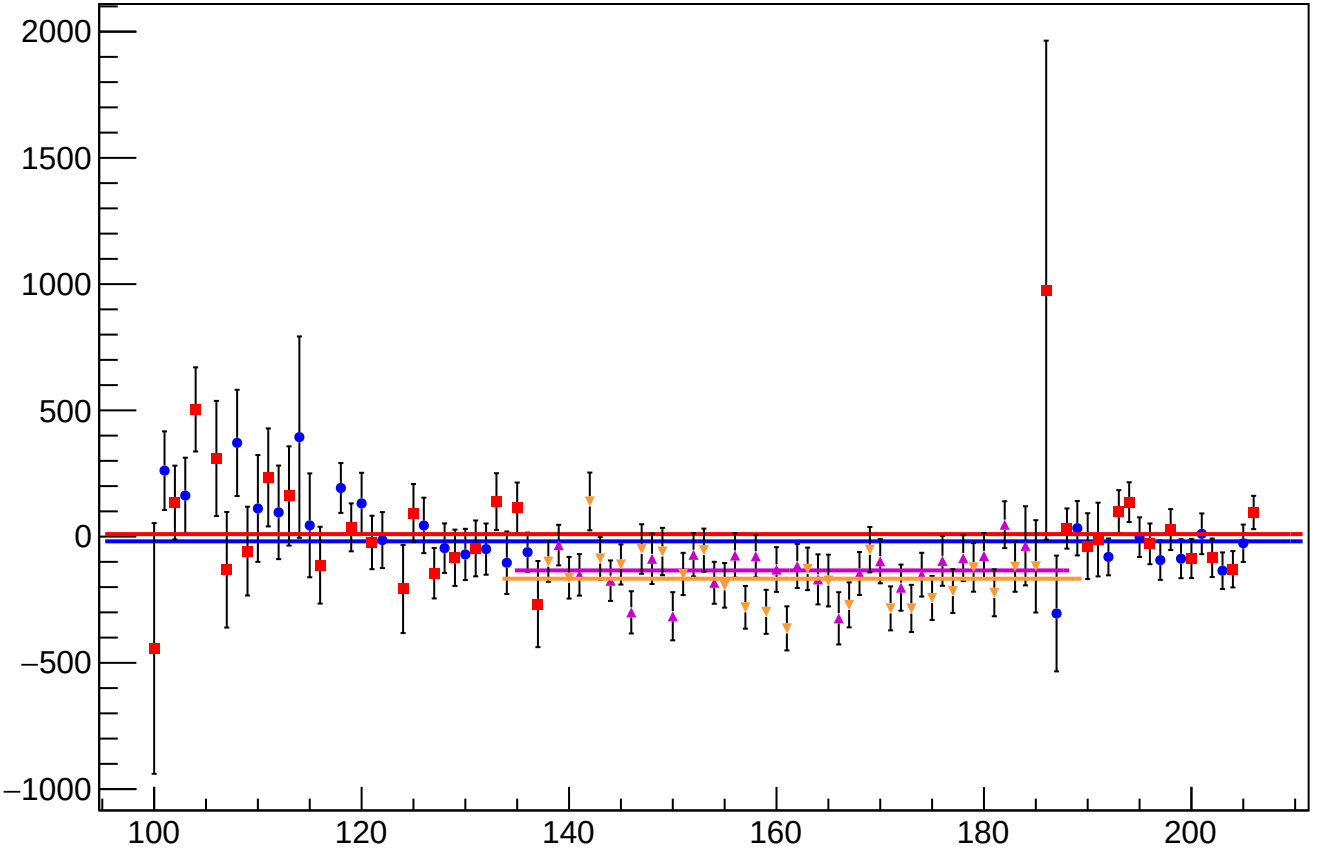
Right: 415.891+/-0.057 χ^2/NDF: 6257250.6/55

In: 352.937+/-0.046 χ^2/NDF:4278865.8/47

Out: 358.997+/-0.044 χ^2/NDF:5167284.7/55

All: 356.054+/-0.032 χ^2/NDF: 9455263.3/103

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 9.959+/-19.369 χ^2/NDF: 39.4/30

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

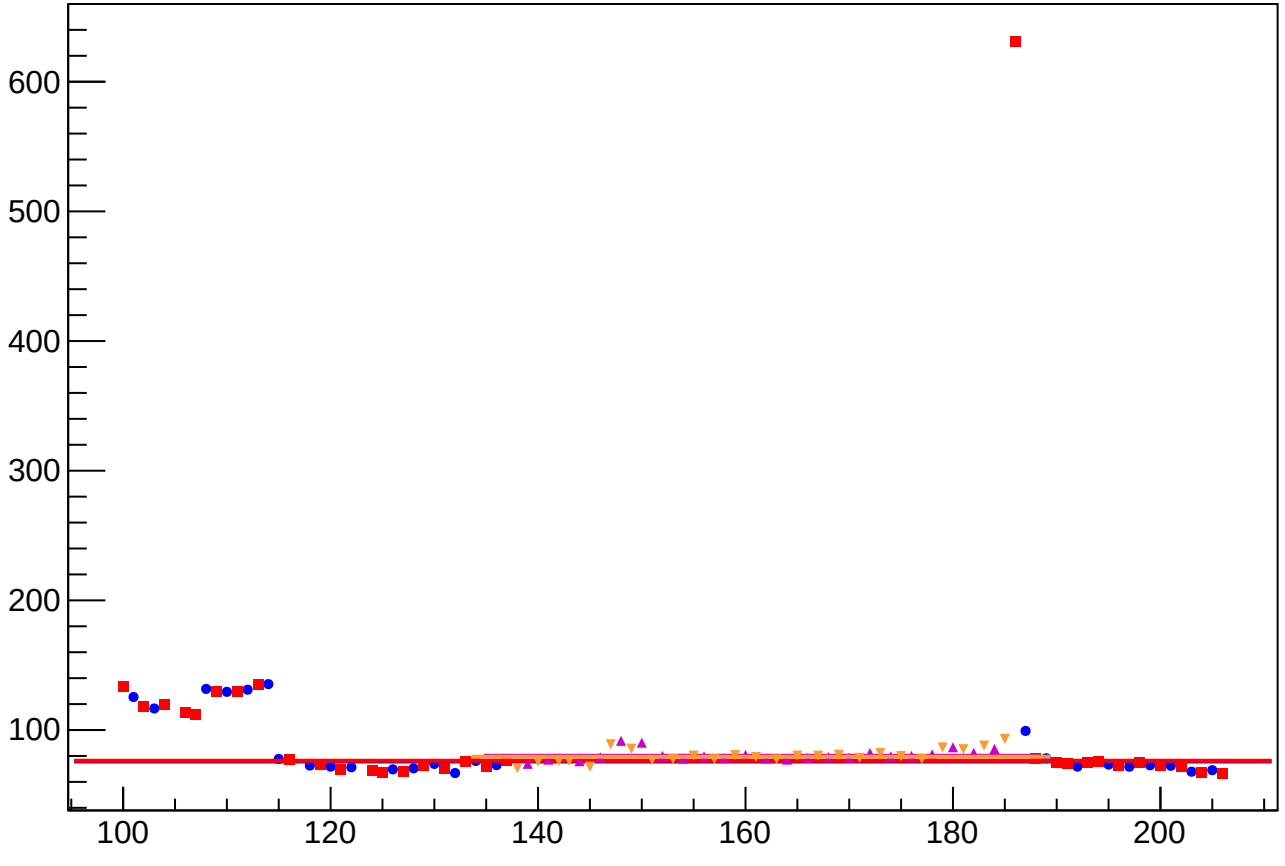
Right: -3.525+/-14.093 χ^2/NDF: 65.1/55

In: -81.496+/-13.851 χ^2/NDF:62.6/47

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -83.035+/-9.562 χ^2/NDF: 178.1/103

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

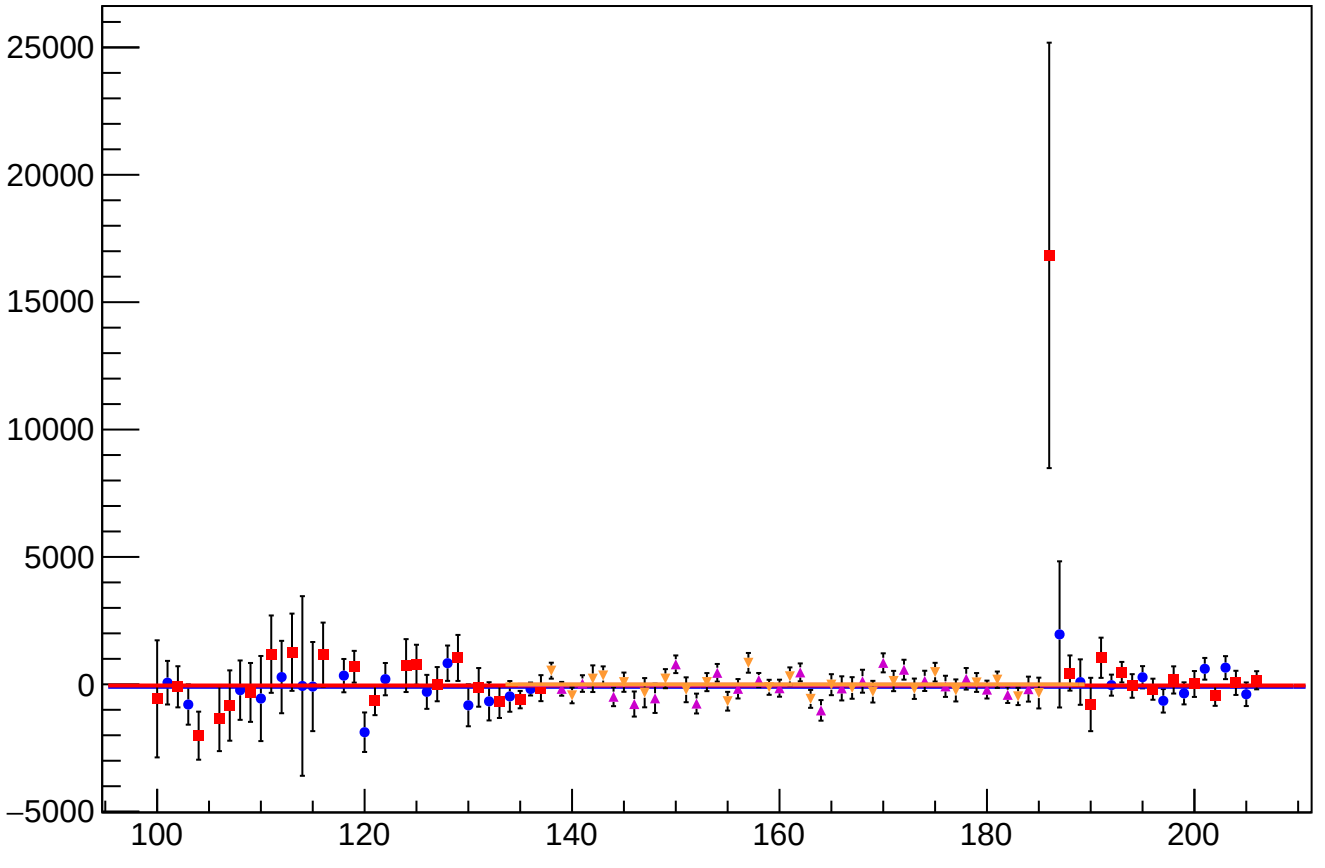
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.045+/-0.010 χ^2/NDF: 2691415.3/55

In: 78.155+/-0.010 χ^2/NDF:1108068.2/47

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 78.056+/-0.007 χ^2/NDF: 2994783.7/103



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -46.338+/-110.638 χ^2/NDF: 27.7/30

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

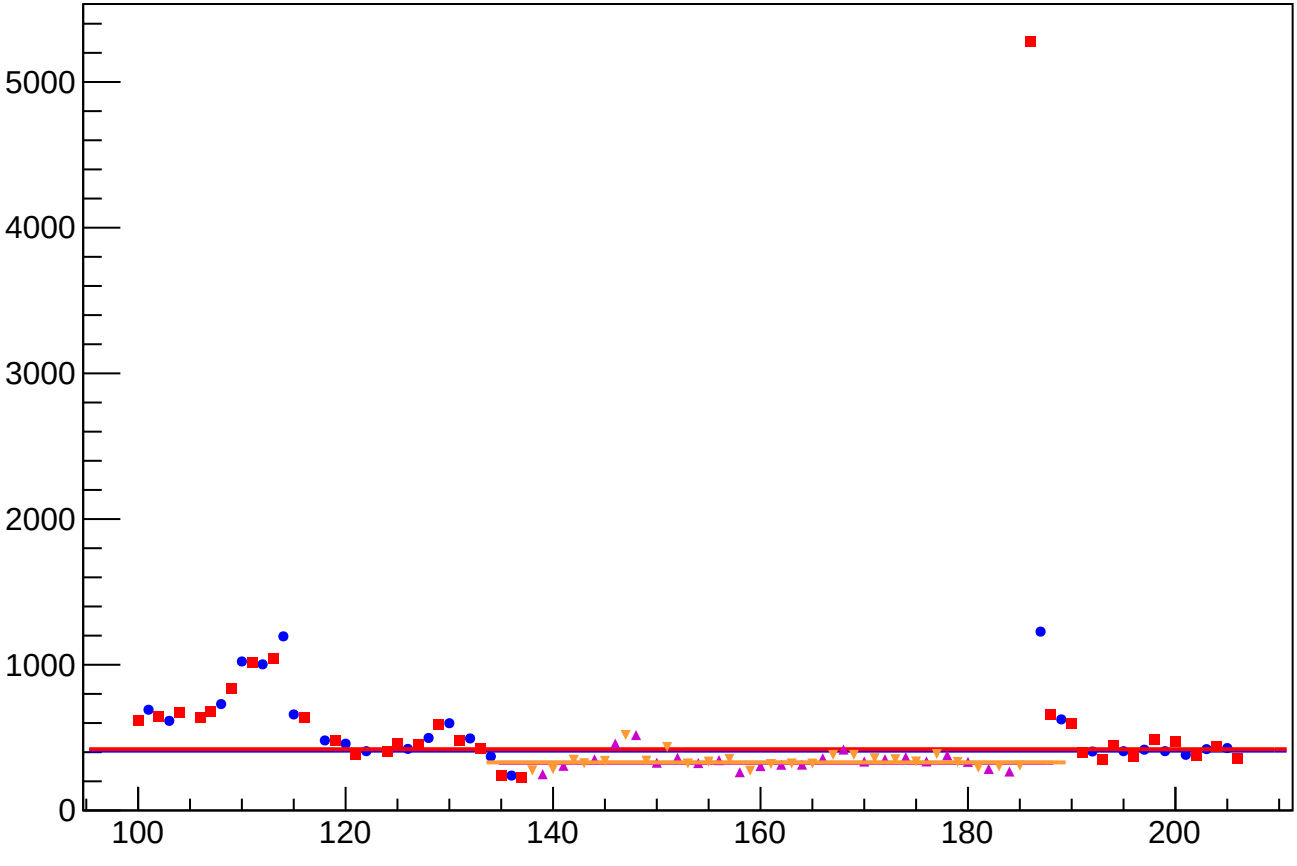
Right: -71.259+/-79.918 χ^2/NDF: 47.5/55

In: -43.874+/-64.390 χ^2/NDF:55.0/47

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -30.145+/-44.872 χ^2/NDF: 107.0/103

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

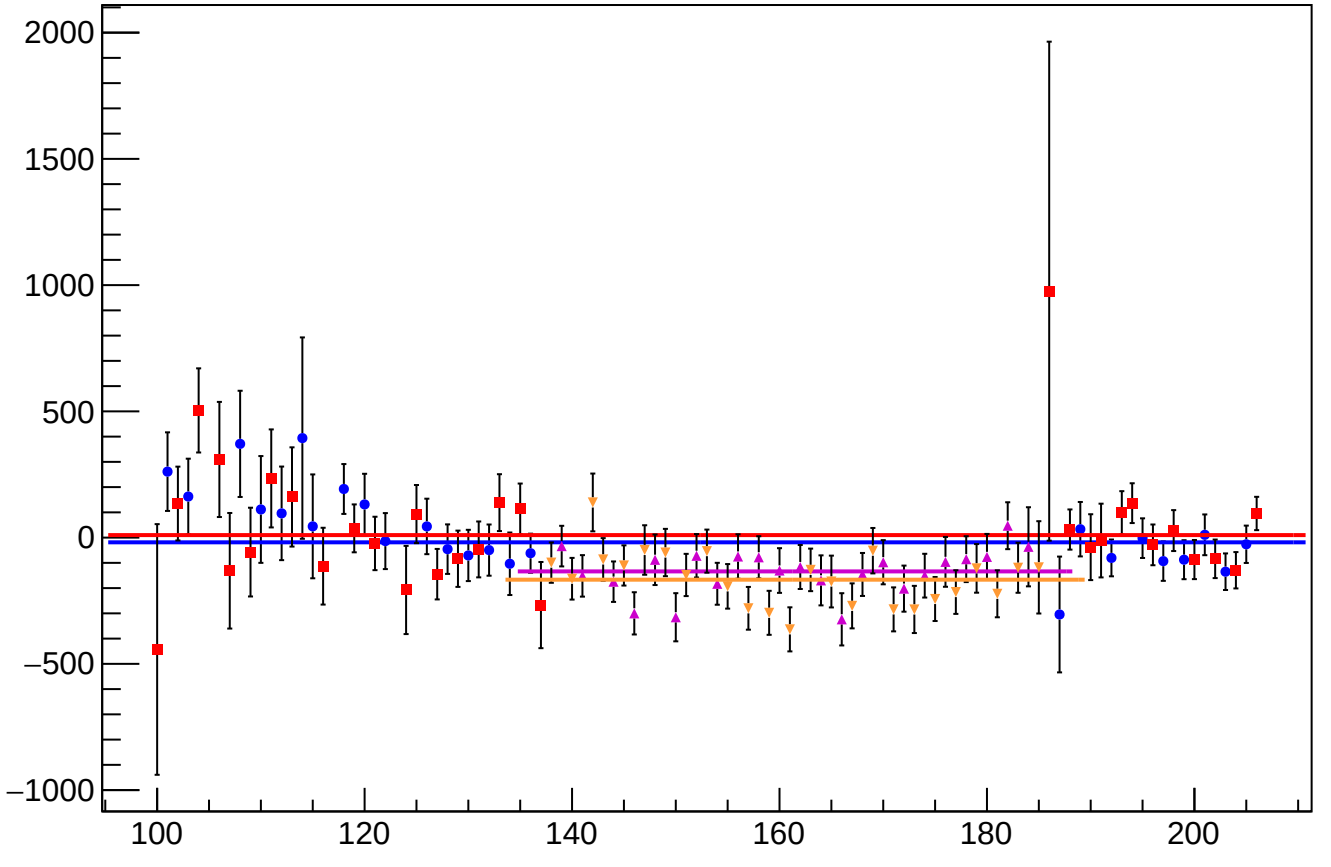
Right: 415.670+/-0.057 χ^2/NDF: 6228148.3/55

In: 352.937+/-0.046 χ^2/NDF:4278866.8/47

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.980+/-0.032 χ^2/NDF: 9417640.1/103

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 9.959+/-19.369 χ^2/NDF: 39.4/30

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

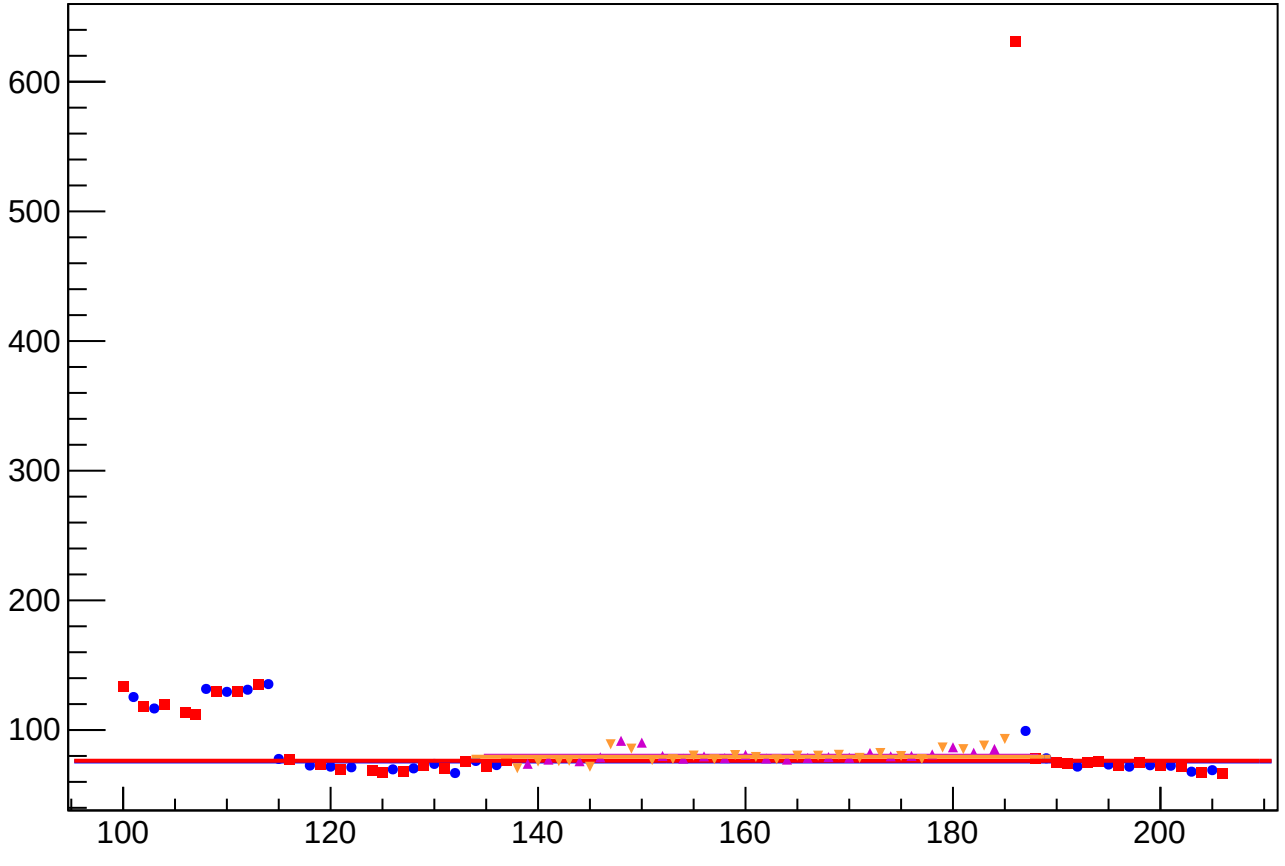
Right: -3.525+/-14.093 χ^2/NDF: 65.1/55

In: -81.496+/-13.851 χ^2/NDF:62.6/47

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -83.035+/-9.562 χ^2/NDF: 178.1/103

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

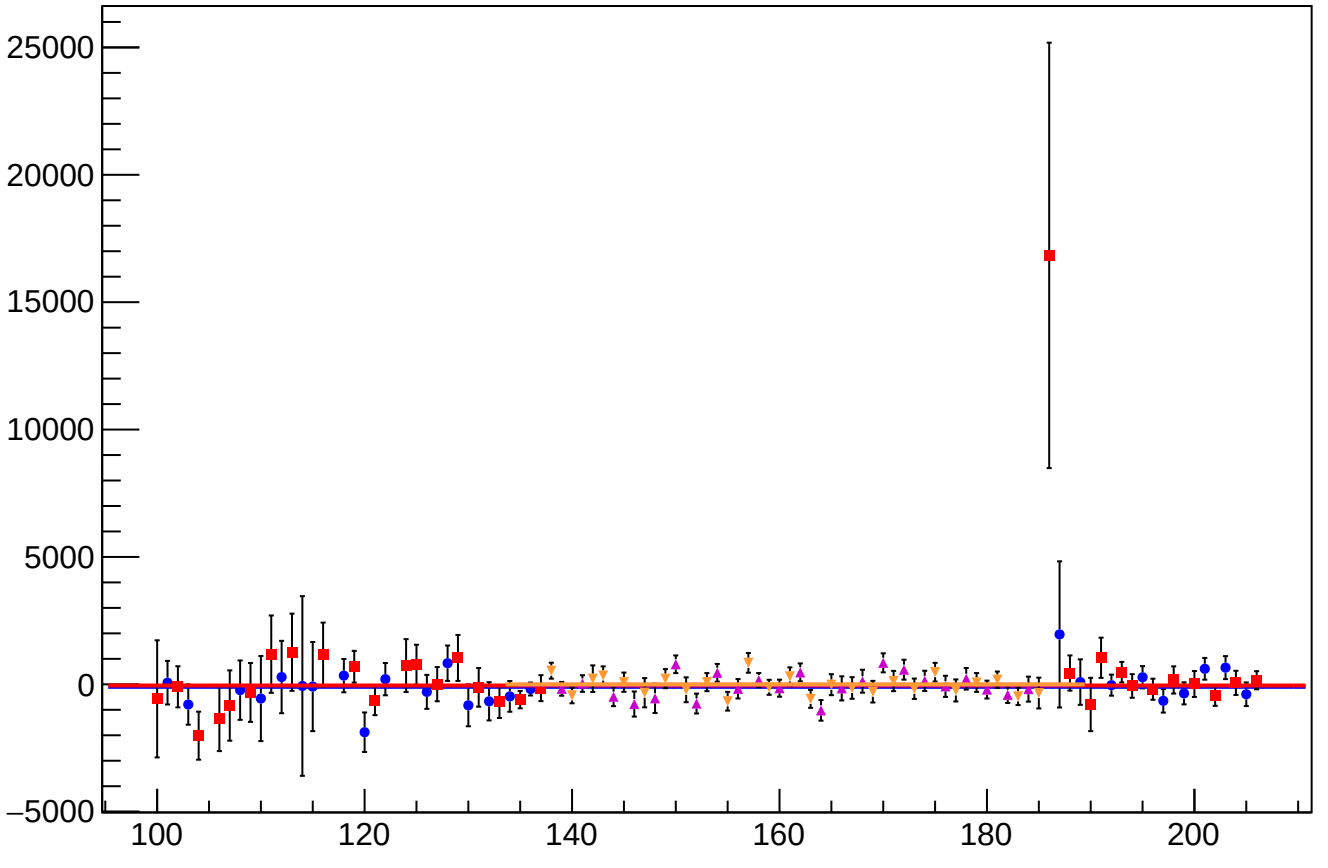
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.045+/-0.010 χ^2/NDF: 2691415.3/55

In: 78.155+/-0.010 χ^2/NDF:1108068.2/47

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 78.056+/-0.007 χ^2/NDF: 2994783.7/103



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -46.338+/-110.638 χ^2/NDF: 27.7/30

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

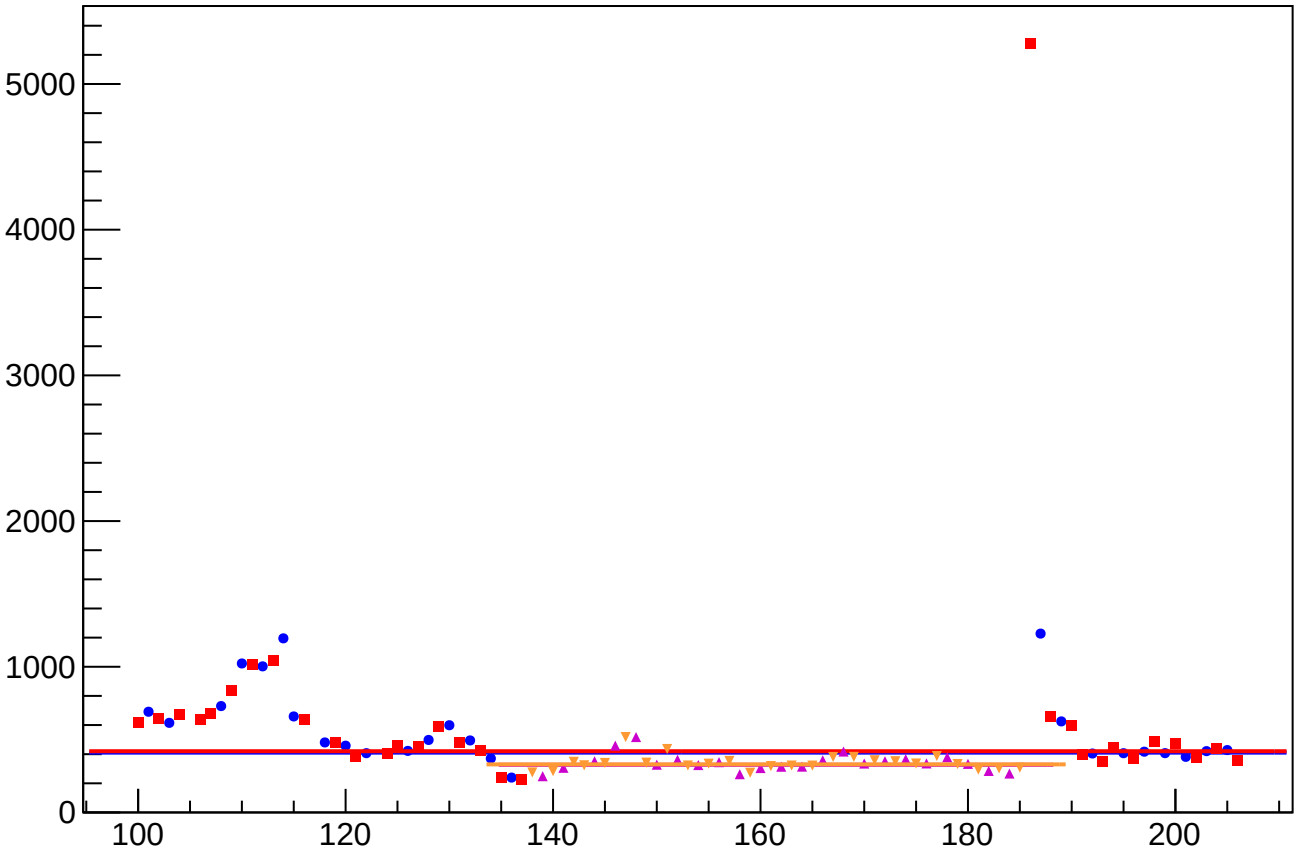
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -71.259+/-79.918 χ^2/NDF: 47.5/55

In: -43.874+/-64.390 χ^2/NDF:55.0/47

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -30.145+/-44.872 χ^2/NDF: 107.0/103



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

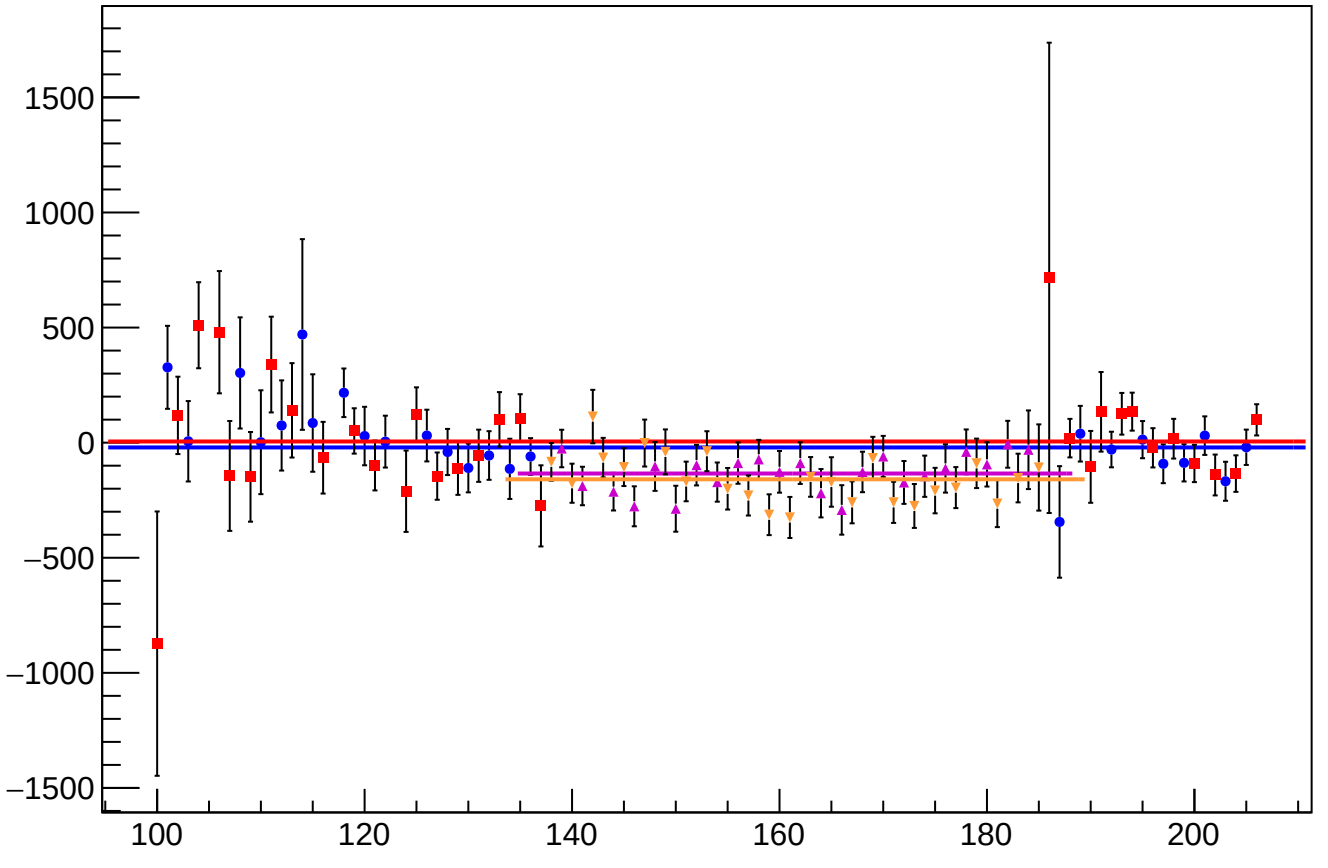
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 415.670+/-0.057 χ^2/NDF: 6228148.3/55

In: 352.937+/-0.046 χ^2/NDF:4278866.8/47

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.980+/-0.032 χ^2/NDF: 9417640.1/103



Right In: -20.745+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 5.137+/-20.568 χ^2/NDF: 43.8/30

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

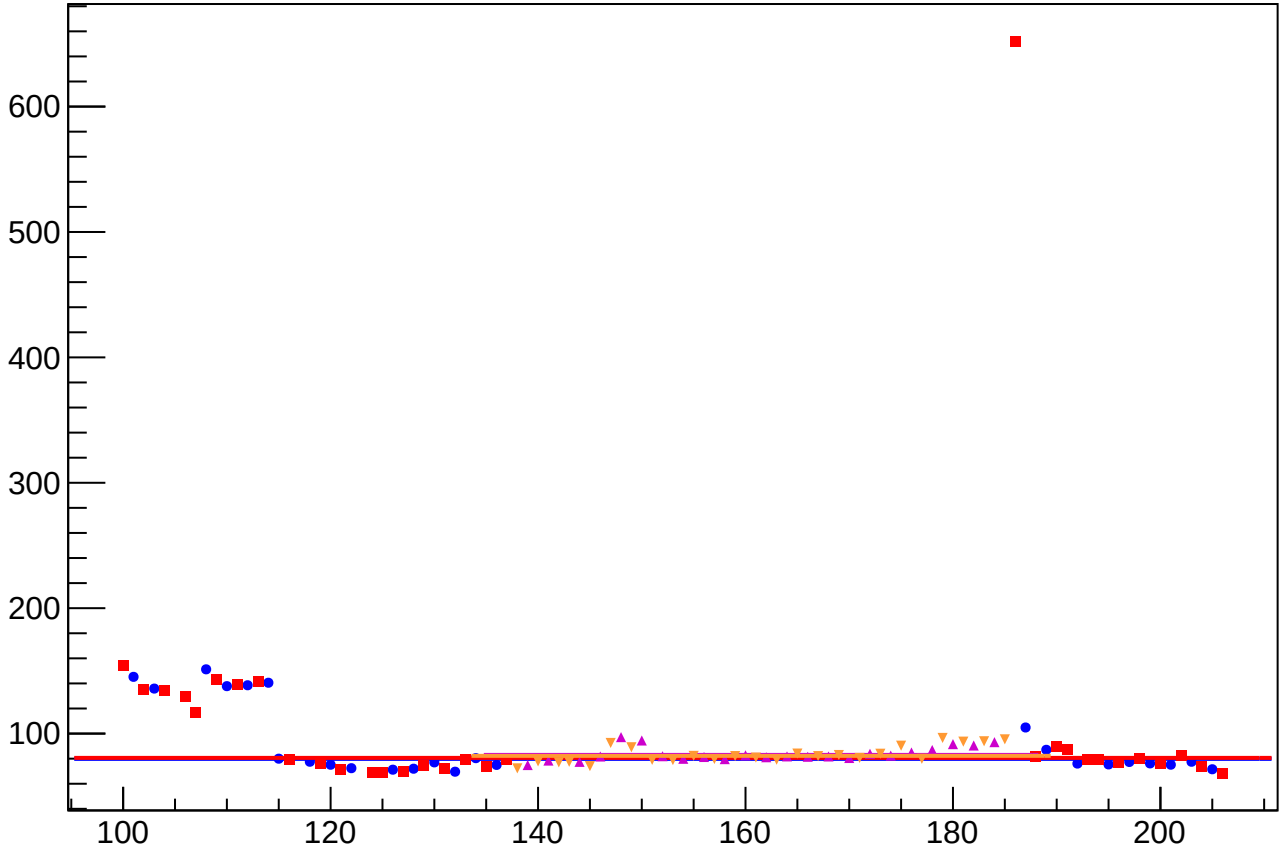
Right: -7.071+/-14.950 χ^2/NDF: 66.1/55

In: -83.755+/-14.500 χ^2/NDF:53.0/47

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -84.212+/-10.018 χ^2/NDF: 159.8/103

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.831+/-0.015 χ^2/NDF: 1138567.5/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.7/30

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

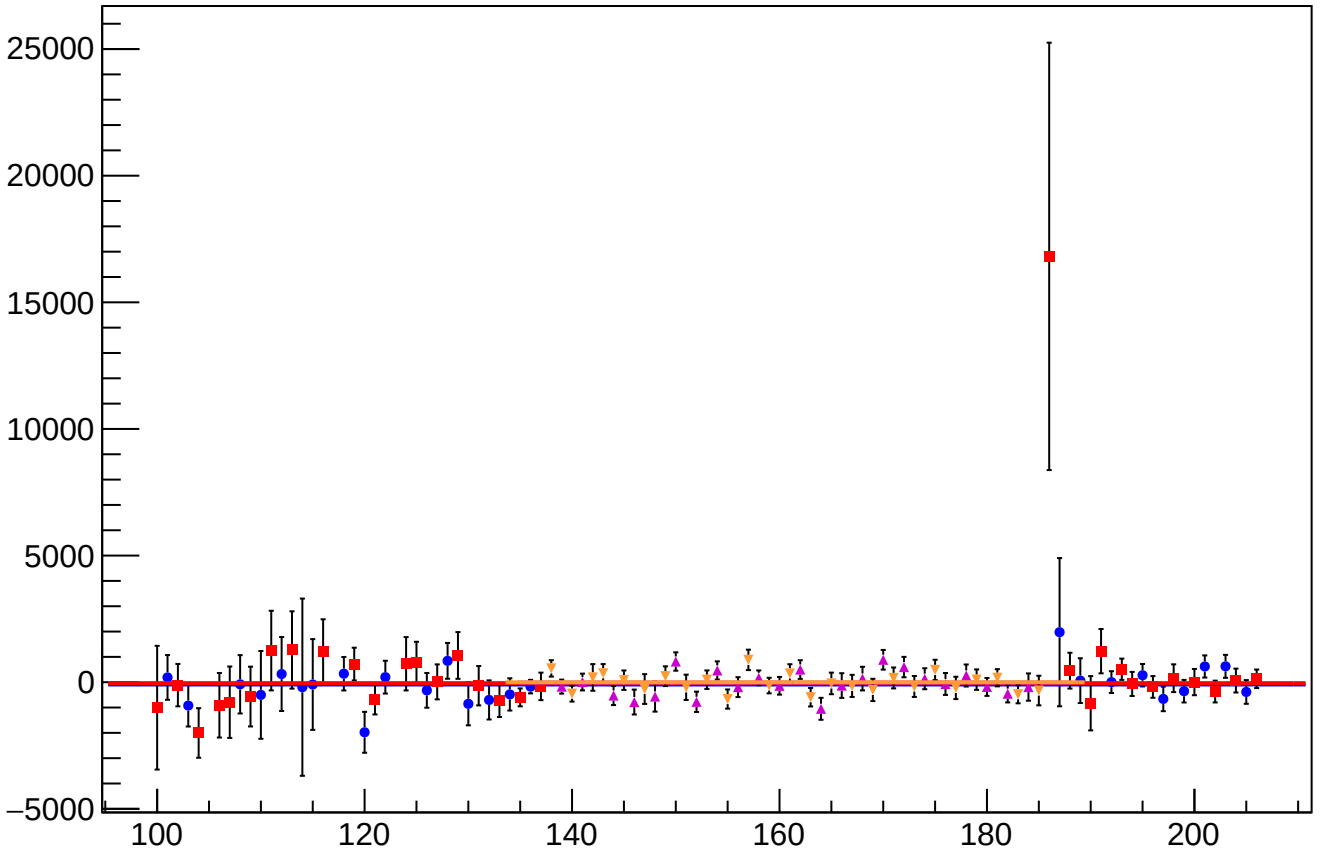
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 80.248+/-0.011 χ^2/NDF: 3031026.1/55

In: 81.590+/-0.010 χ^2/NDF:1307649.9/47

Out: 81.509+/-0.010 χ^2/NDF:2114458.8/55

All: 81.548+/-0.007 χ^2/NDF: 3422141.6/103



Right In: -89.520+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.939+/-114.396 χ^2/NDF: 26.7/30

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

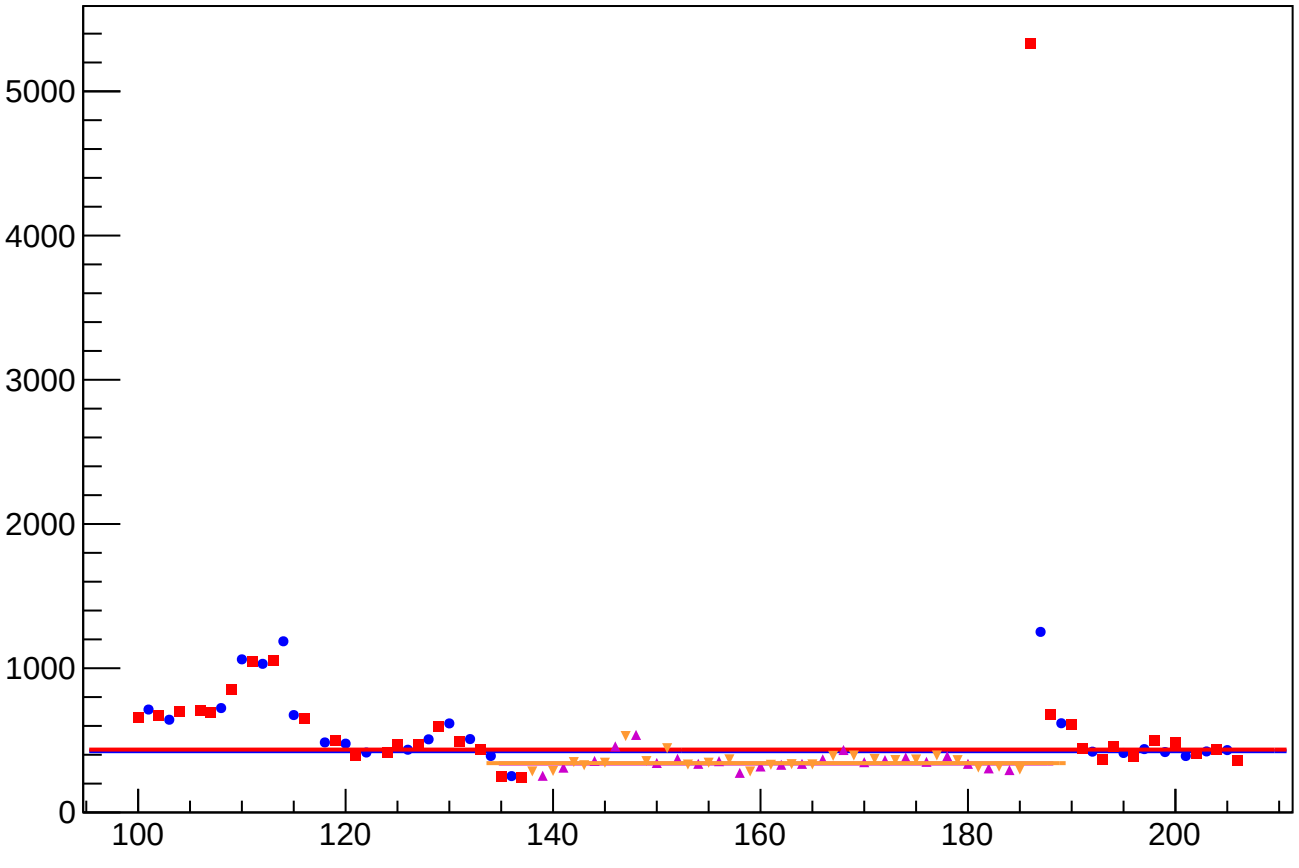
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -62.674+/-82.529 χ^2/NDF: 46.4/55

In: -39.355+/-66.657 χ^2/NDF:54.8/47

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -26.450+/-46.453 χ^2/NDF: 105.1/103



Right In: 424.674+/-0.084 χ^2/NDF: 2528089.6/24

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 435.924+/-0.081 χ^2/NDF: 3488292.5/30

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

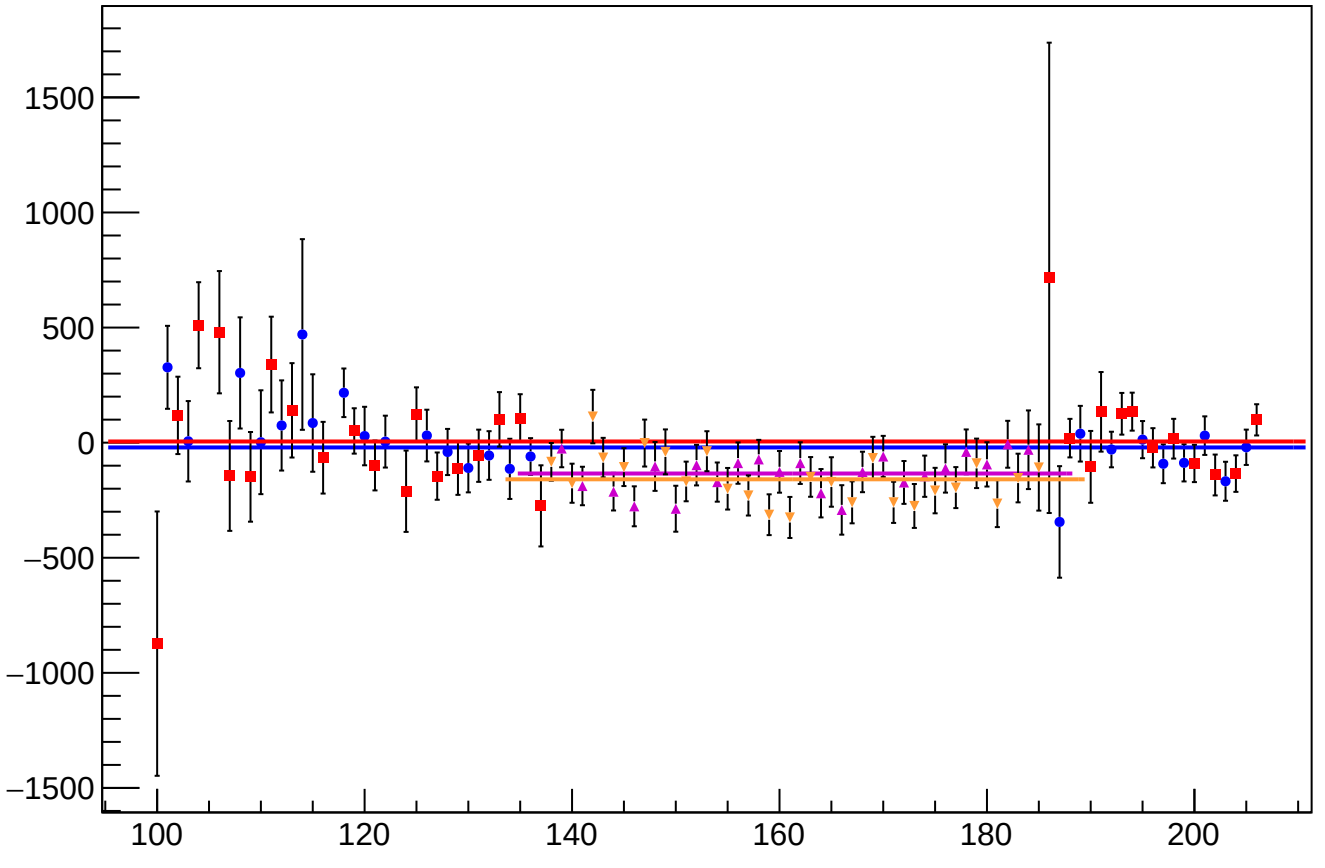
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 430.530+/-0.058 χ^2/NDF: 6025657.8/55

In: 366.096+/-0.047 χ^2/NDF:4077931.9/47

Out: 372.055+/-0.046 χ^2/NDF:5059826.9/55

All: 369.161+/-0.033 χ^2/NDF: 9145981.8/103



Right In: -20.744+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 5.136+/-20.568 χ^2/NDF: 43.8/30

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

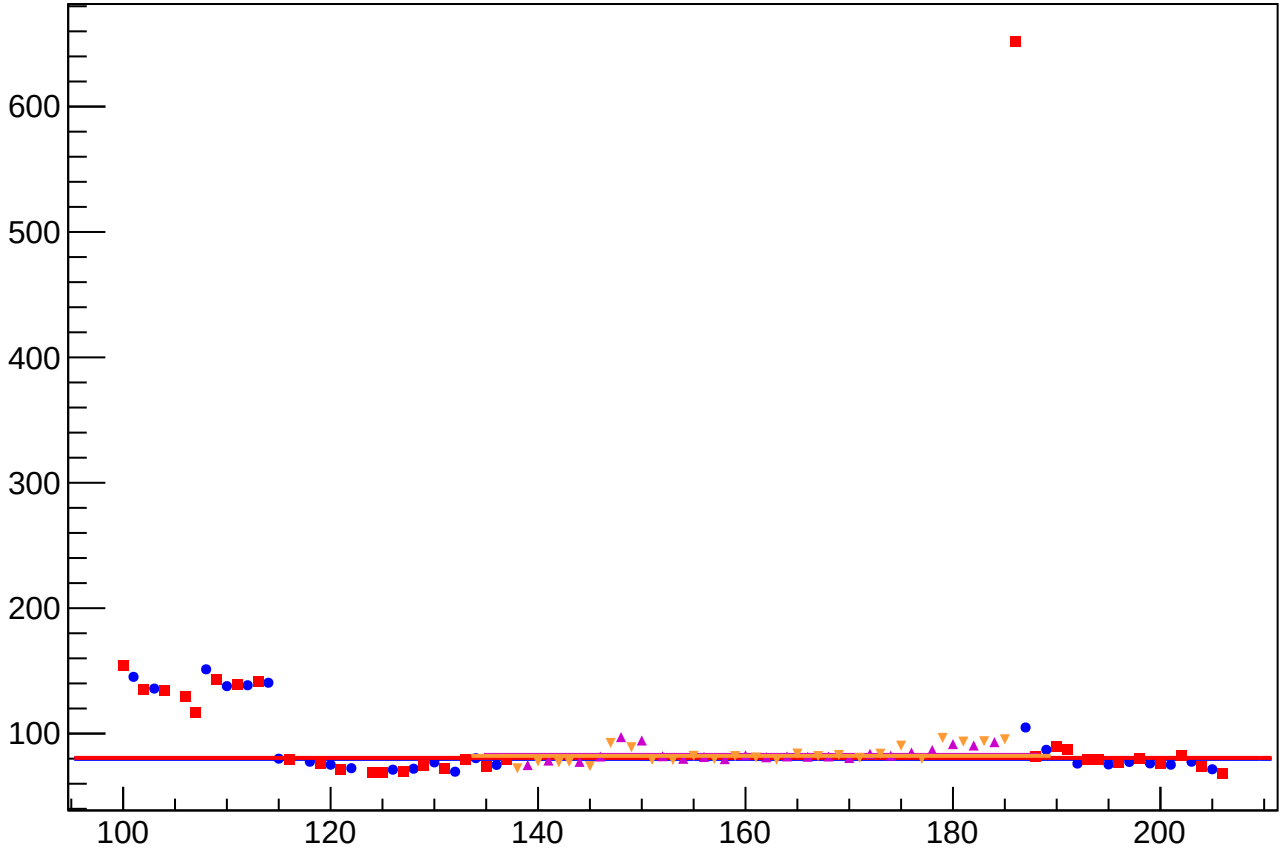
Right: -7.071+/-14.950 χ^2/NDF: 66.1/55

In: -83.754+/-14.500 χ^2/NDF:53.0/47

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -84.212+/-10.018 χ^2/NDF: 159.8/103

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.831+/-0.015 χ^2/NDF: 1138568.7/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.3/30

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

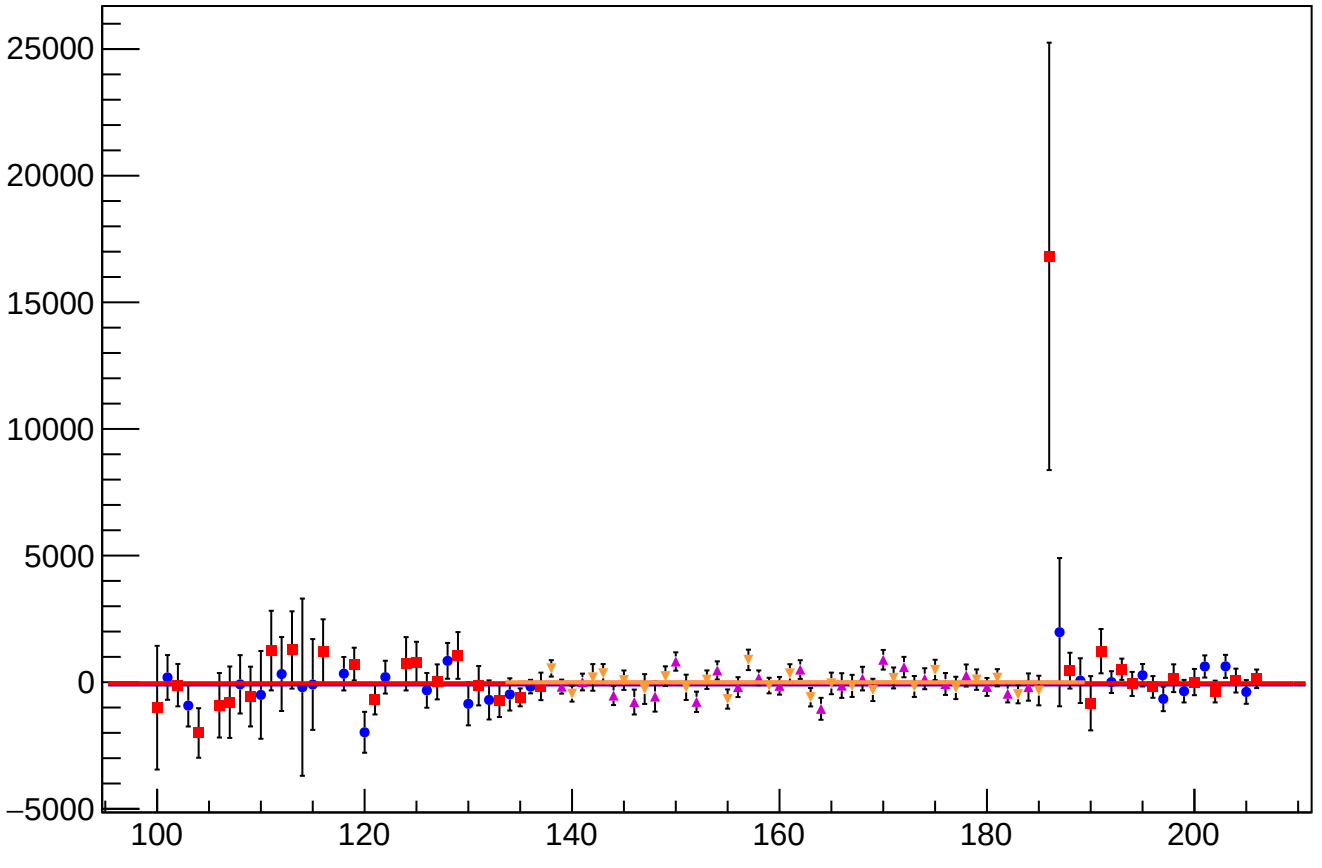
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 80.248+/-0.011 χ^2/NDF: 3031026.8/55

In: 81.590+/-0.010 χ^2/NDF:1307651.0/47

Out: 81.509+/-0.010 χ^2/NDF:2114459.7/55

All: 81.547+/-0.007 χ^2/NDF: 3422143.7/103



Right In: -89.519+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.939+/-114.396 χ^2/NDF: 26.7/30

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

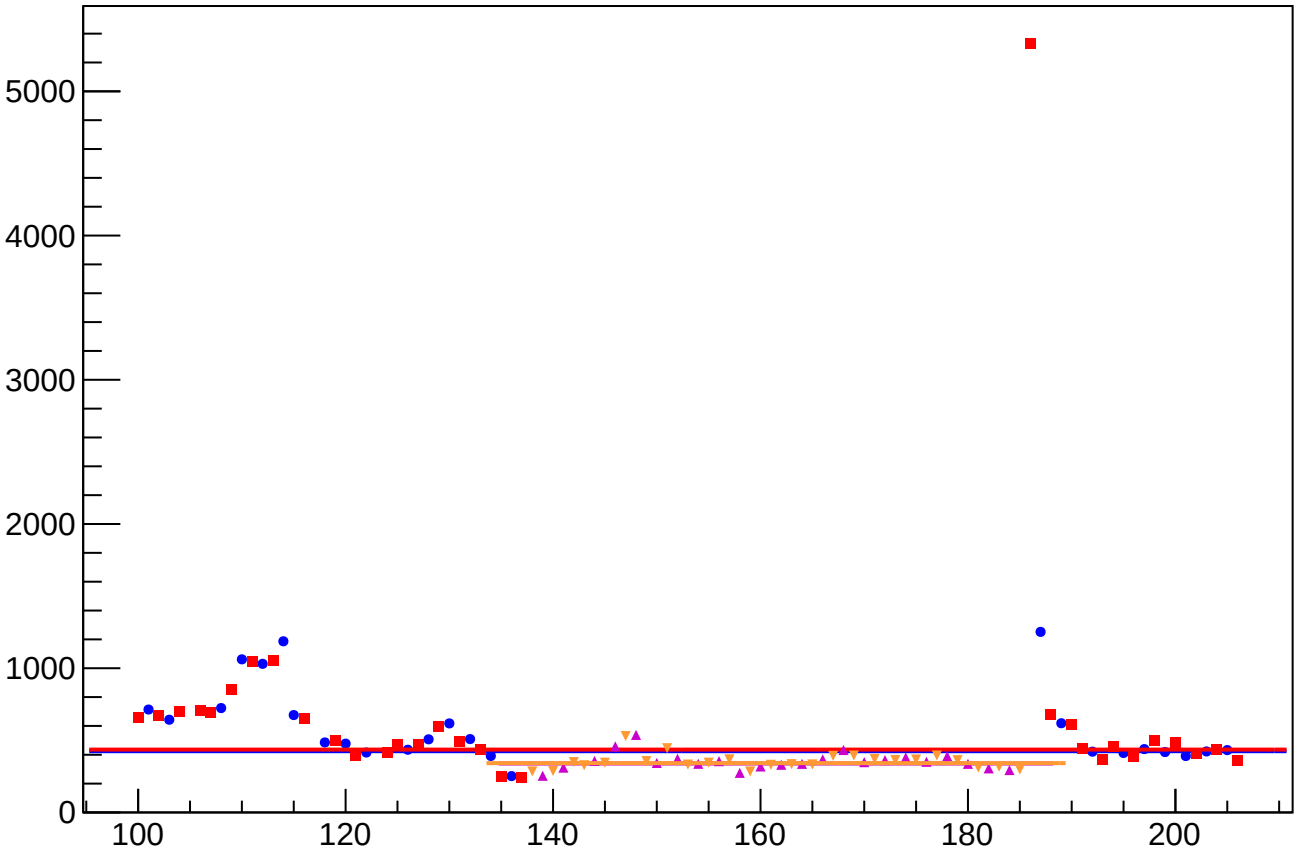
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -62.673+/-82.529 χ^2/NDF: 46.4/55

In: -39.355+/-66.657 χ^2/NDF:54.8/47

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -26.450+/-46.453 χ^2/NDF: 105.1/103



Right In: 424.673+/-0.084 χ^2/NDF: 2528095.0/24

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 435.923+/-0.081 χ^2/NDF: 3488300.3/30

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

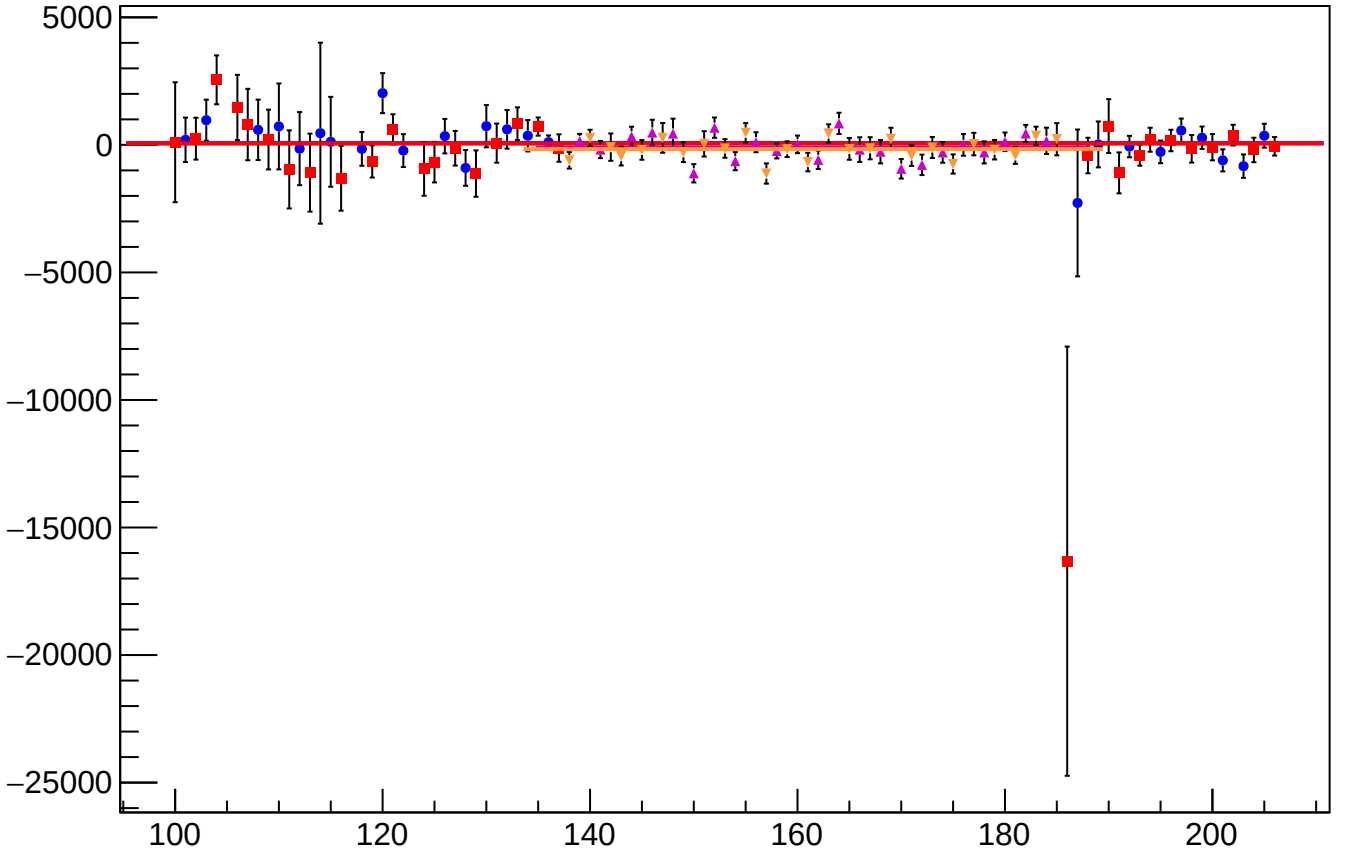
Right: 430.528+/-0.058 χ^2/NDF: 6025670.8/55

In: 366.095+/-0.047 χ^2/NDF:4077929.3/47

Out: 372.055+/-0.046 χ^2/NDF:5059820.4/55

All: 369.161+/-0.033 χ^2/NDF: 9145972.6/103

asym_sam1_mean vs Slug, Sign Corrected



Right In: 66.020+/-118.025 χ^2/NDF: 21.1/24

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 55.208+/-112.852 χ^2/NDF: 30.5/30

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

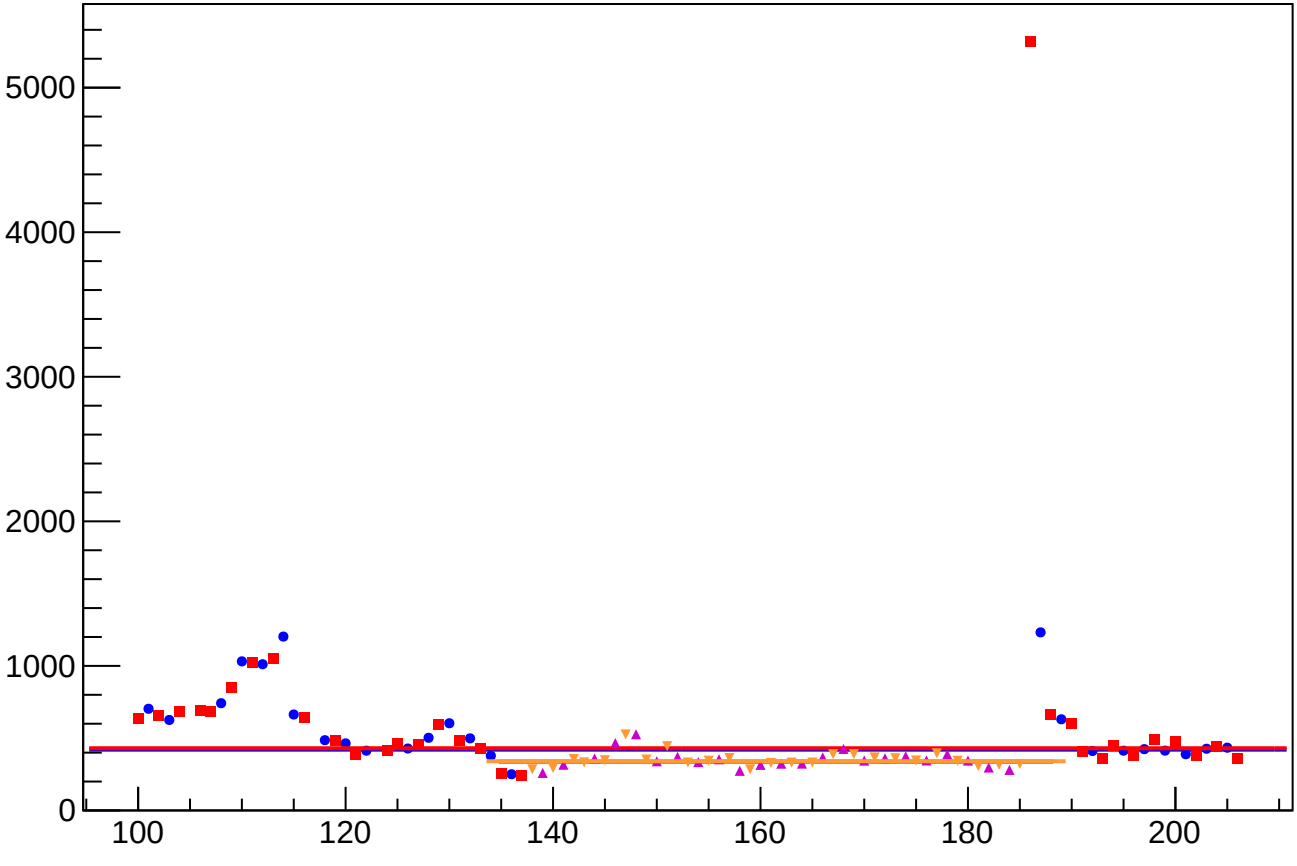
Right: 60.372+/-81.566 χ^2/NDF: 51.6/55

In: -50.491+/-66.218 χ^2/NDF:60.0/47

Out: -95.198+/-64.265 χ^2/NDF:58.7/55

All: -73.514+/-46.117 χ^2/NDF: 119.0/103

asym_sam1_rms vs Slug, Sign Corrected



Right In: 420.668+/-0.083 χ^2/NDF: 2508085.5/24

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 430.299+/-0.080 χ^2/NDF: 3440489.1/30

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

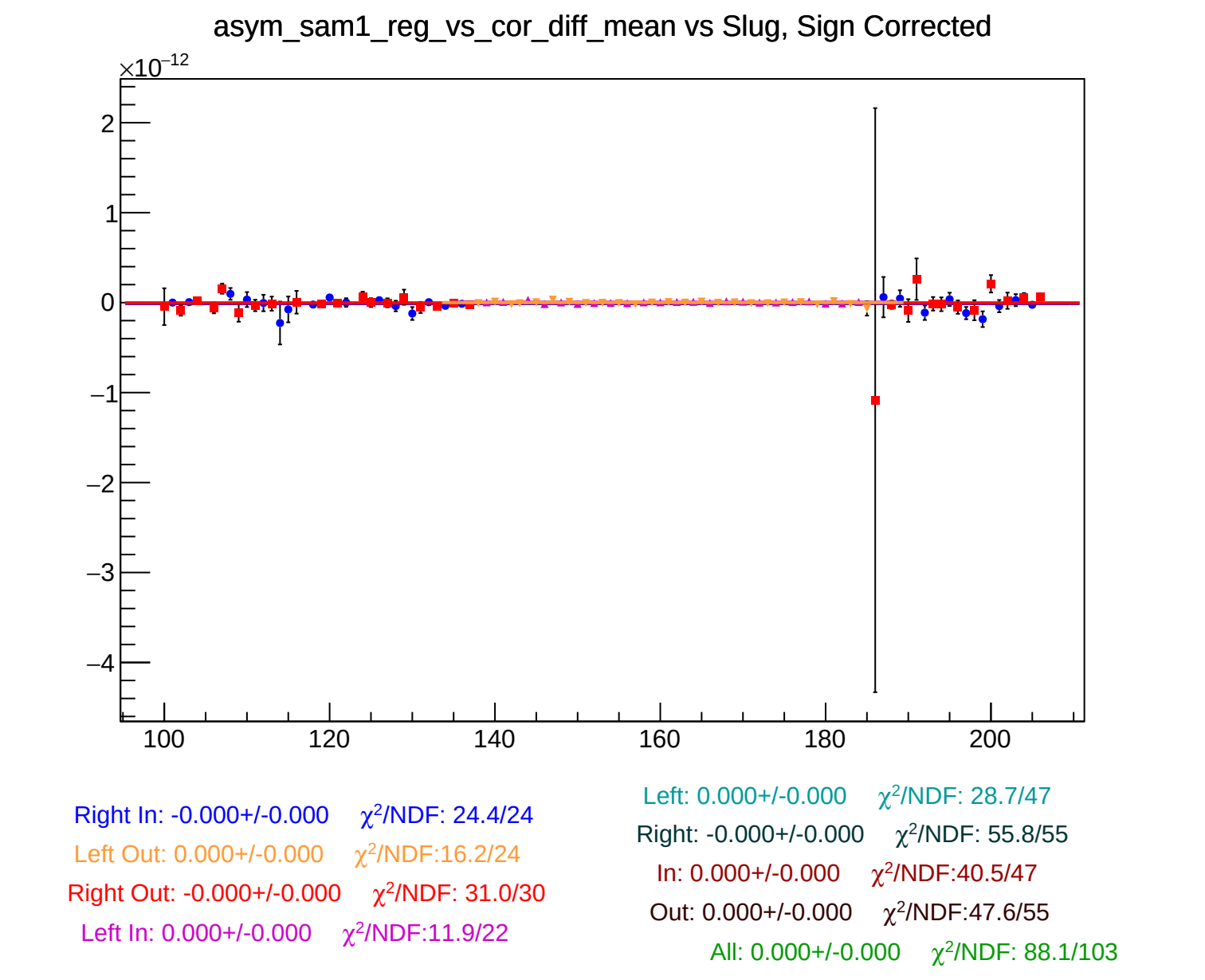
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

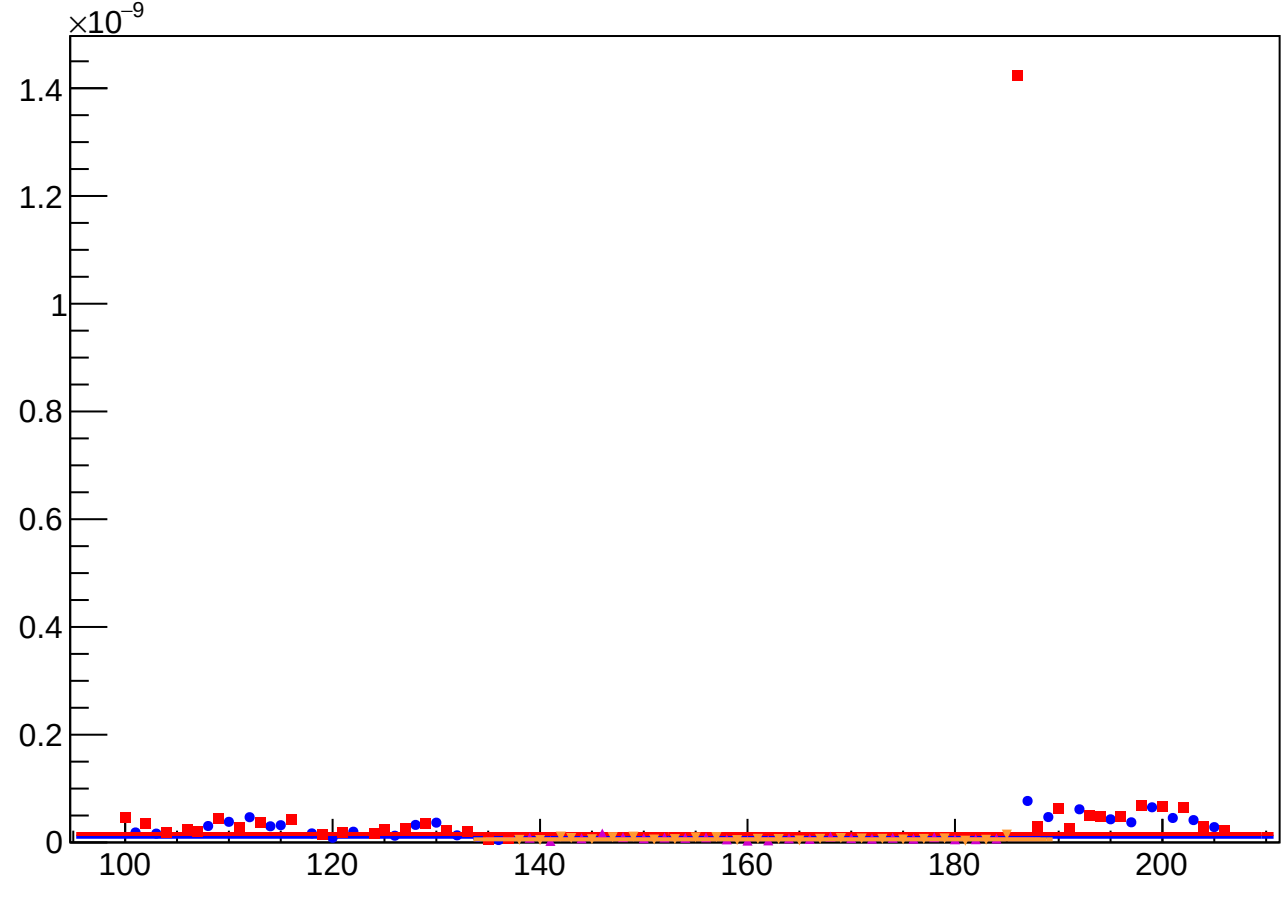
Right: 425.699+/-0.058 χ^2/NDF: 5955532.6/55

In: 363.857+/-0.047 χ^2/NDF:4005022.0/47

Out: 369.547+/-0.045 χ^2/NDF:4902423.8/55

All: 366.787+/-0.033 χ^2/NDF: 8915050.3/103


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.4/24
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/30
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 55.8/55
In: 0.000+/-0.000 χ²/NDF:40.5/47
Out: 0.000+/-0.000 χ²/NDF:47.6/55
All: 0.000+/-0.000 χ²/NDF: 88.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 7035434.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7063282.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

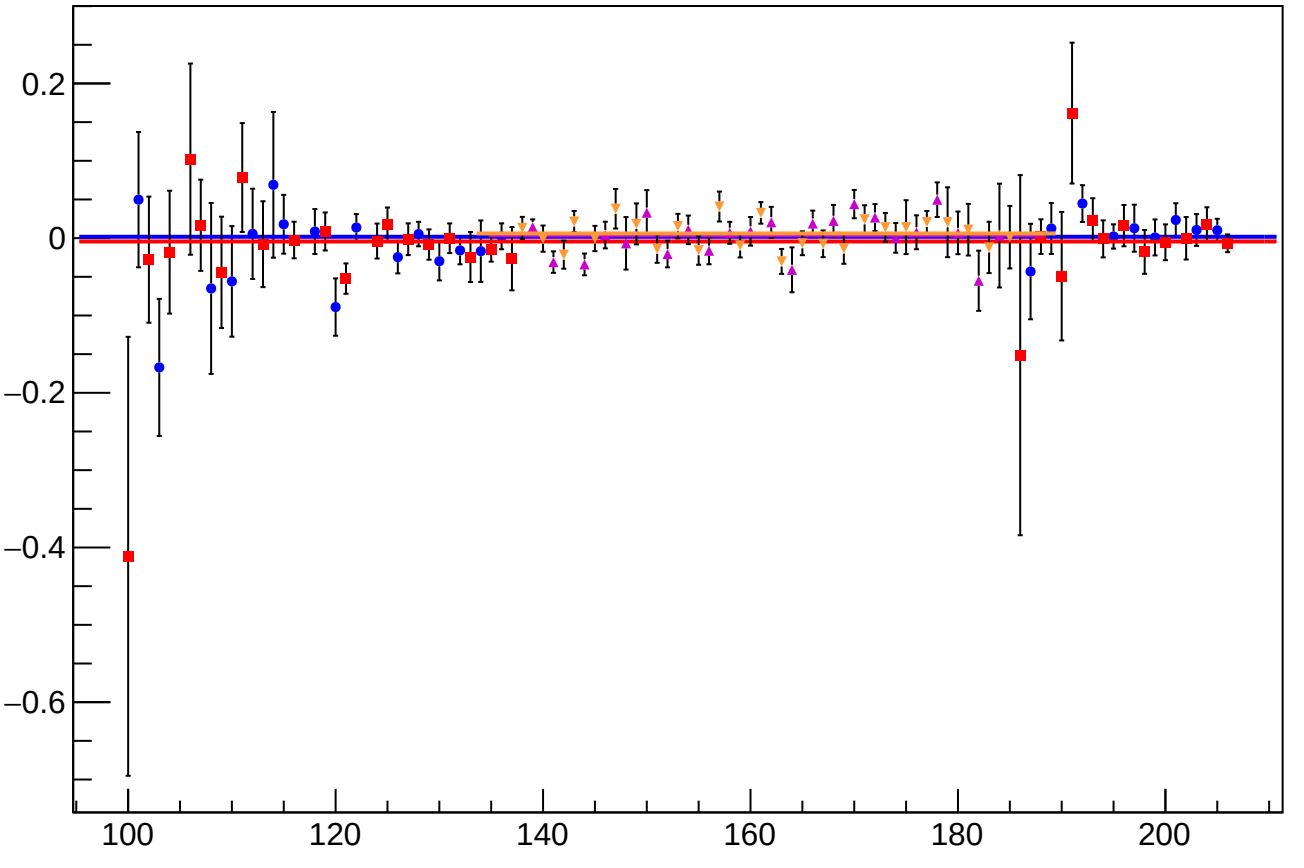
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14674930.4/55

In: 0.000+/-0.000 χ^2/NDF:9889879.6/47

Out: 0.000+/-0.000 χ^2/NDF:11411097.0/55

All: 0.000+/-0.000 χ^2/NDF: 21311564.6/103



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

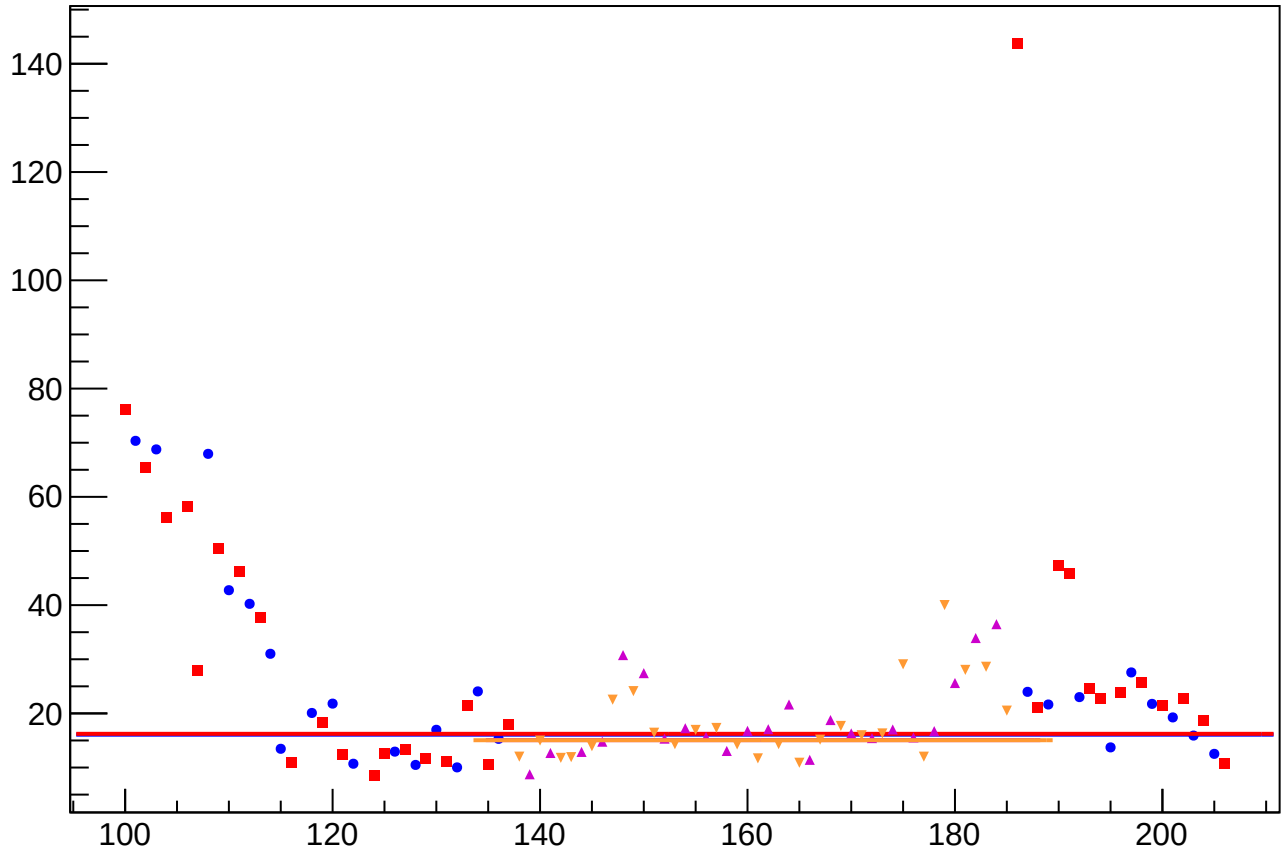
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.003 χ^2/NDF: 43.1/55

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.003+/-0.002 χ^2/NDF: 109.3/103



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

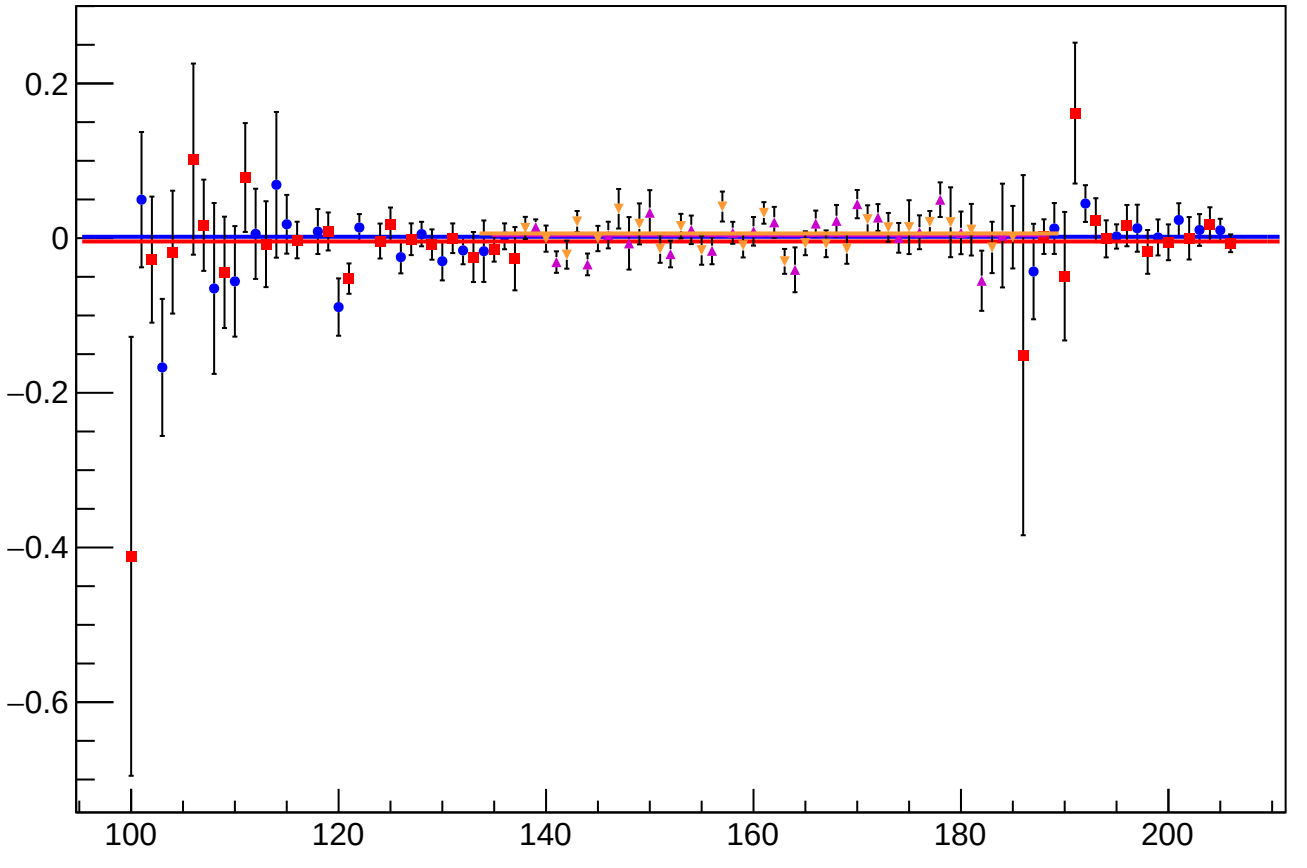
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.154+/-0.002 χ^2/NDF: 10772590.5/55

In: 15.446+/-0.002 χ^2/NDF:7473642.9/47

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.472+/-0.001 χ^2/NDF: 16726664.8/103



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

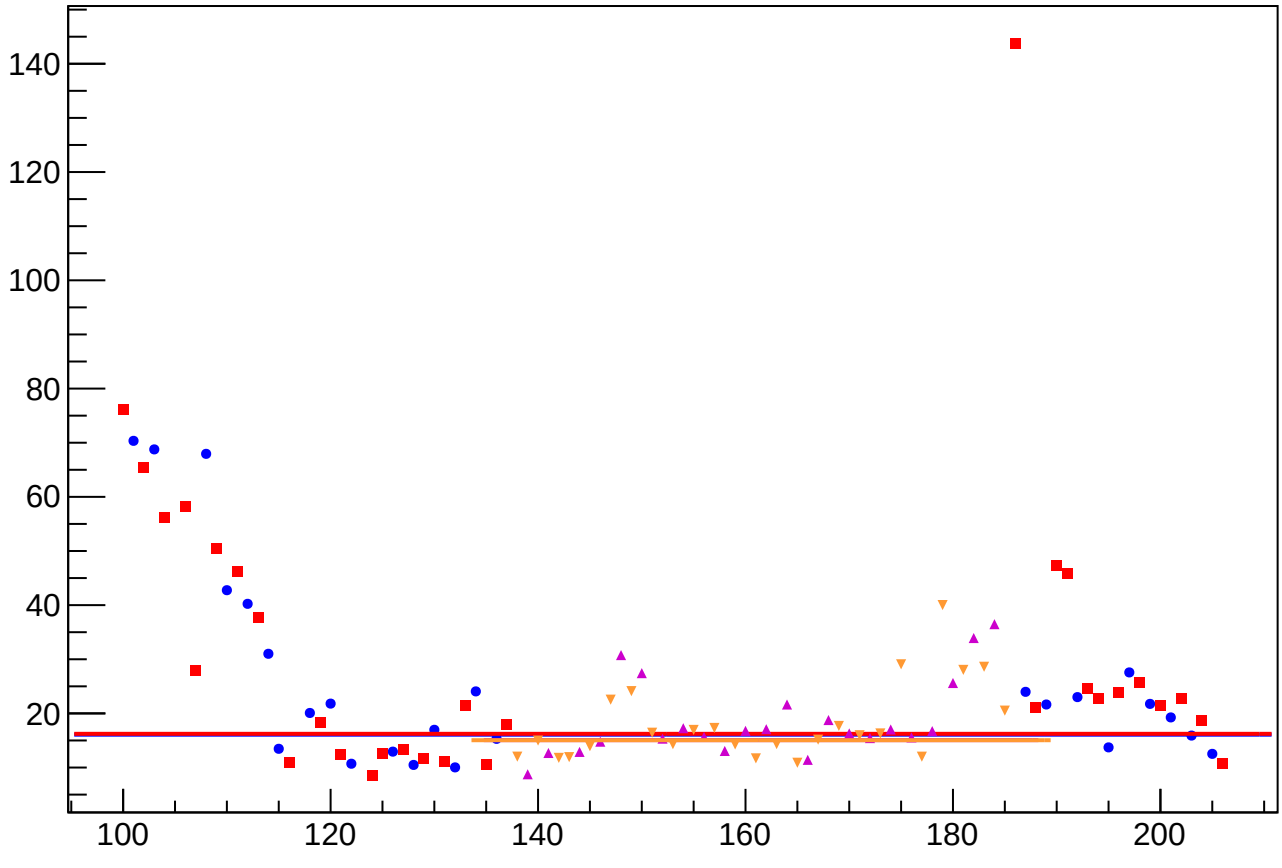
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.003 χ^2/NDF: 43.1/55

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.003+/-0.002 χ^2/NDF: 109.3/103



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

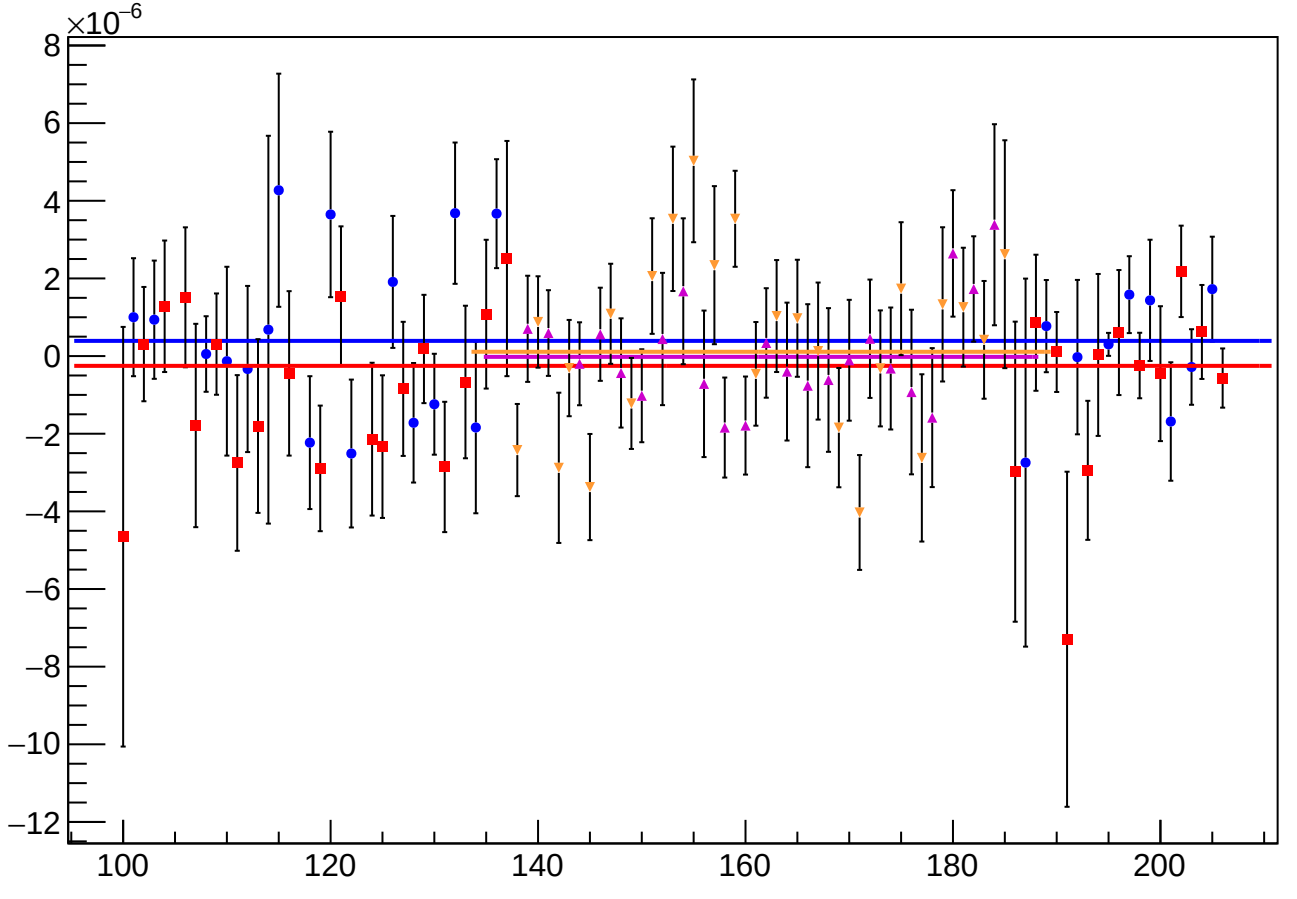
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.154+/-0.002 χ^2/NDF: 10772590.5/55

In: 15.446+/-0.002 χ^2/NDF:7473642.9/47

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.472+/-0.001 χ^2/NDF: 16726664.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

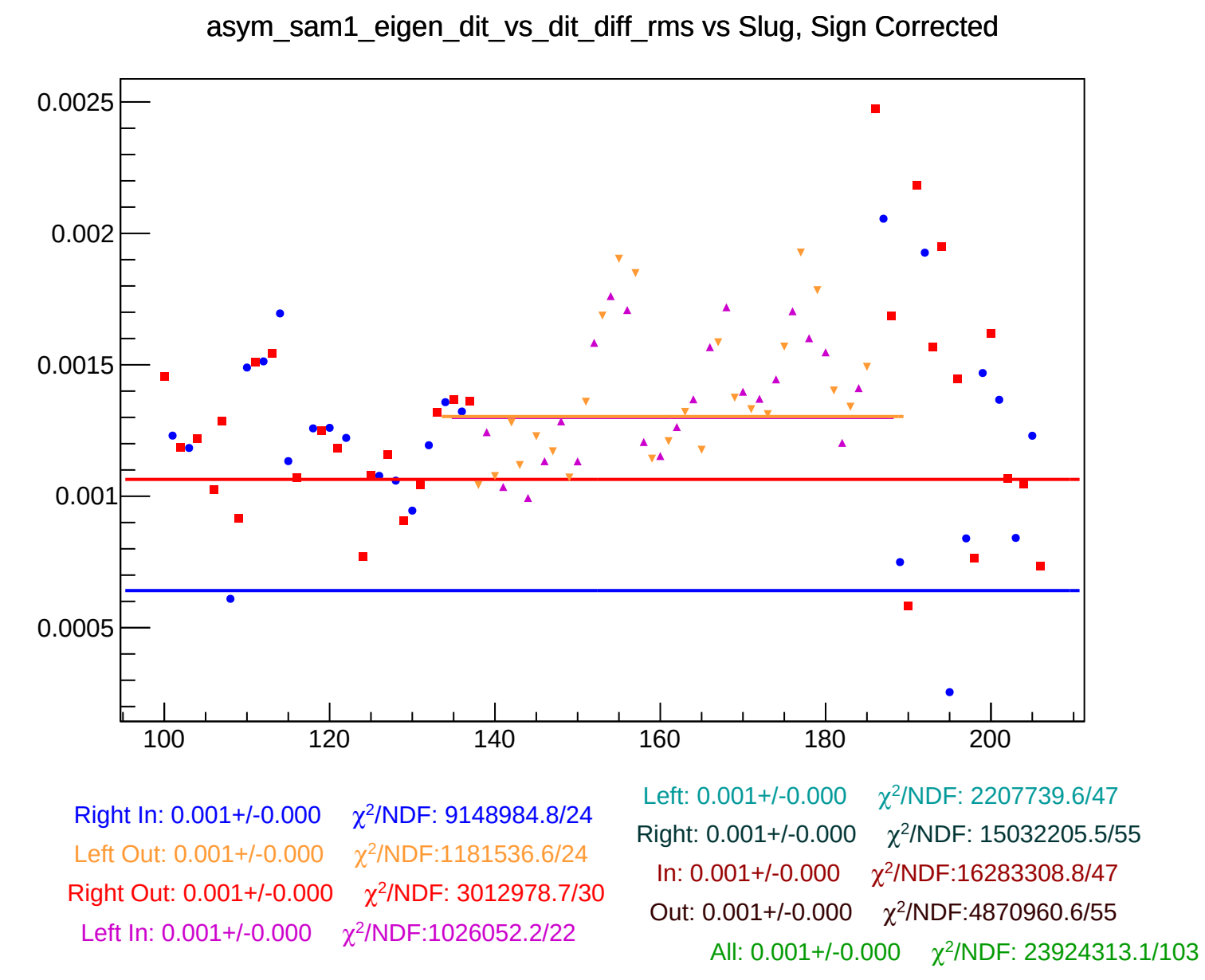
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

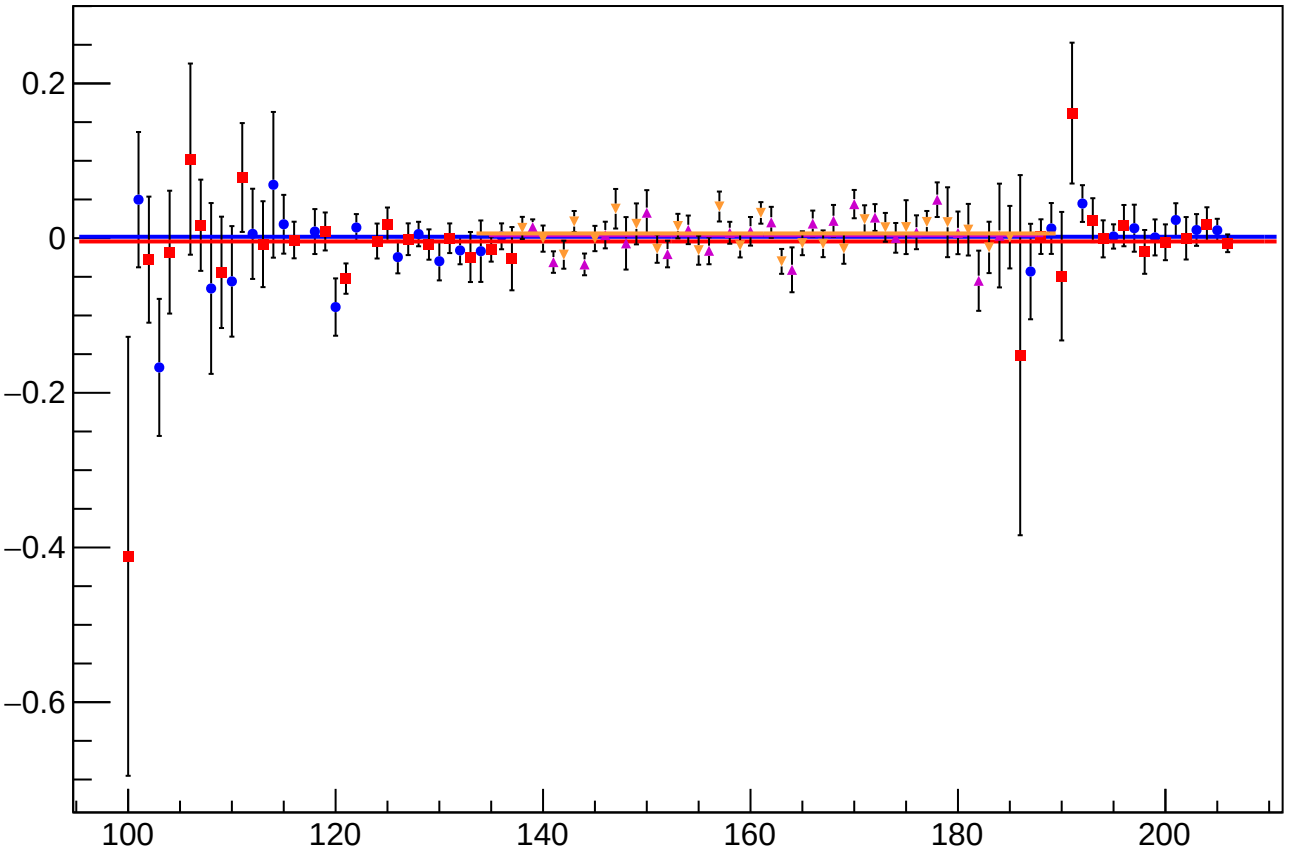
Right: 0.000+/-0.000 χ^2/NDF: 58.3/55

In: 0.000+/-0.000 χ^2/NDF:44.4/47

Out: -0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 122.7/103


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9148984.8/24
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 3012978.7/30
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 15032205.5/55
In: 0.001+/-0.000 χ²/NDF:16283308.8/47
Out: 0.001+/-0.000 χ²/NDF:4870960.6/55
All: 0.001+/-0.000 χ²/NDF: 23924313.1/103



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

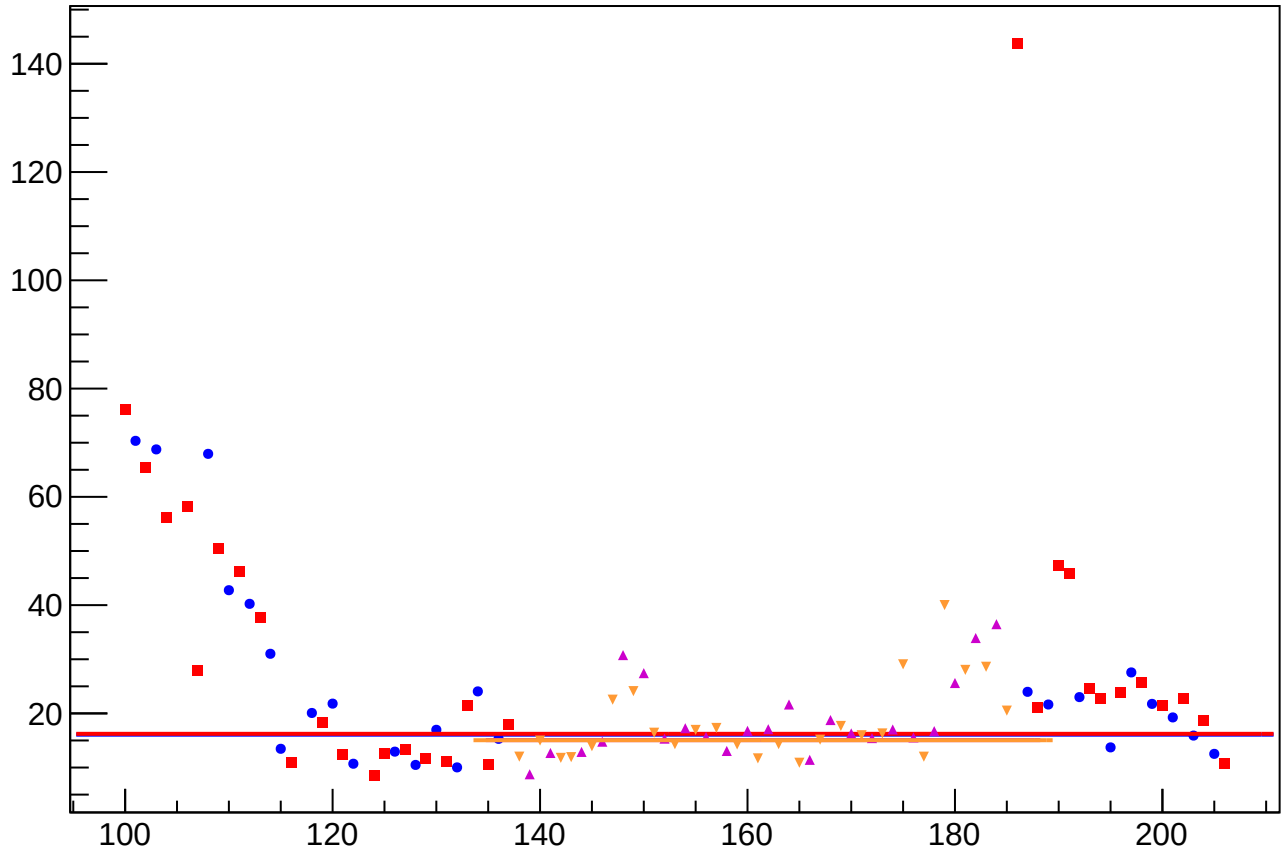
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.003 χ^2/NDF: 43.1/55

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.003+/-0.002 χ^2/NDF: 109.3/103



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

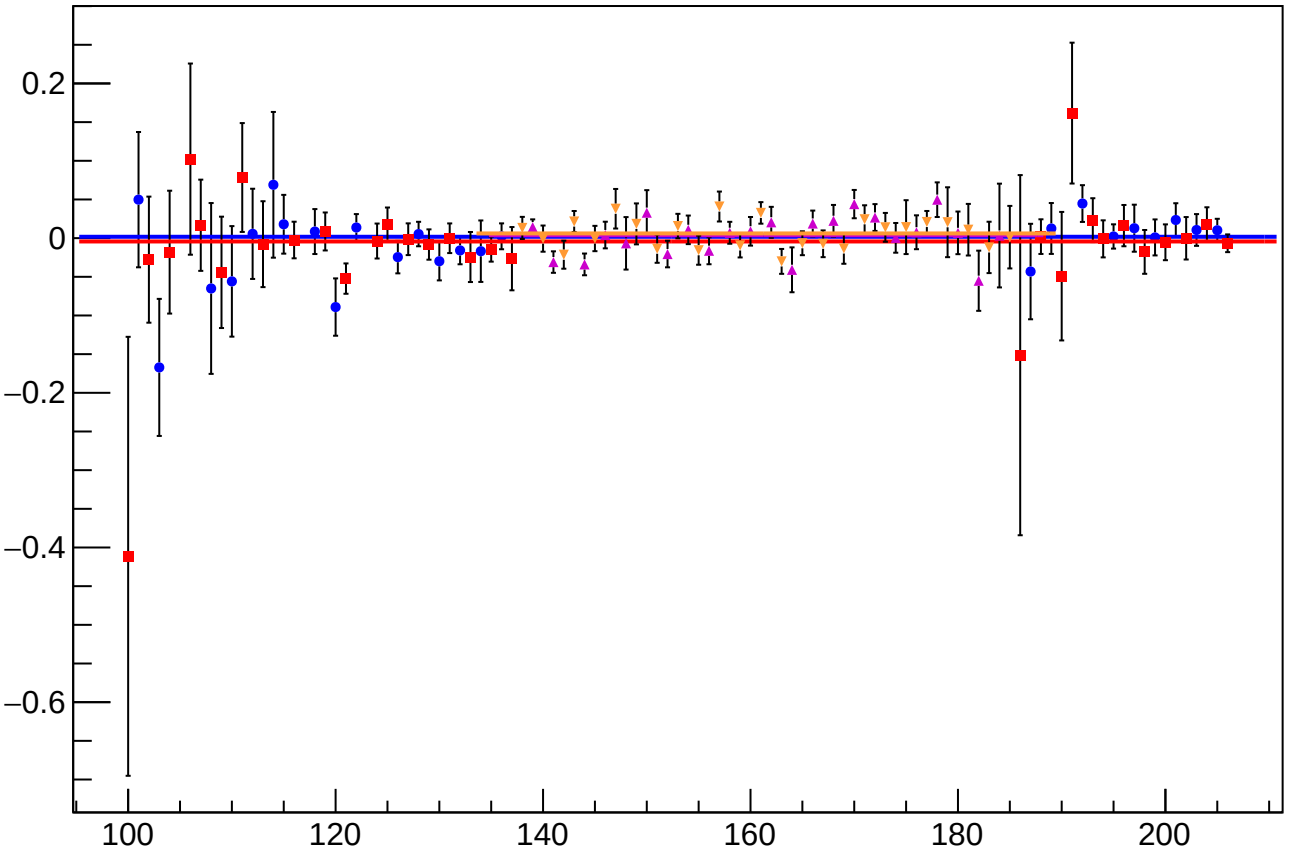
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

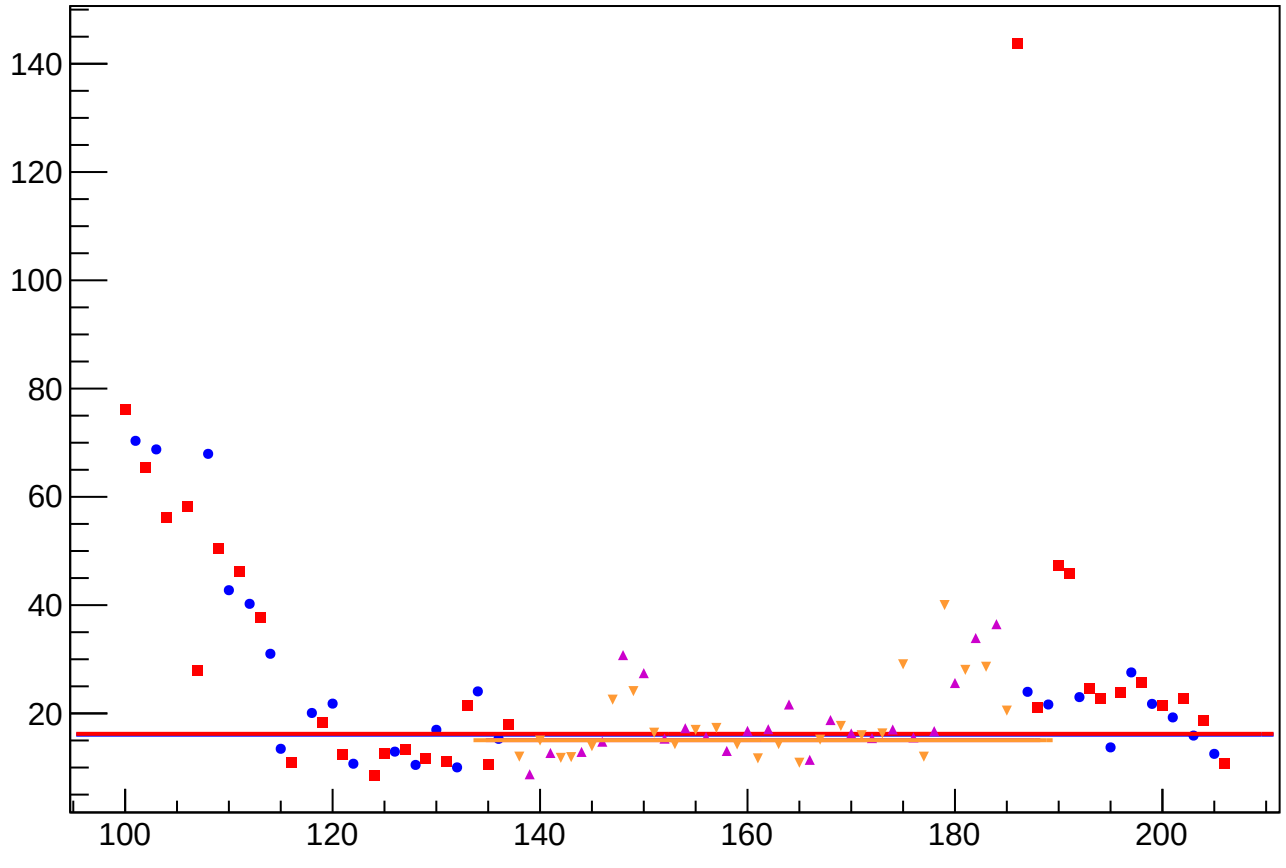
Right: 16.154+/-0.002 χ^2/NDF: 10772565.2/55

In: 15.446+/-0.002 χ^2/NDF:7473682.7/47

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.472+/-0.001 χ^2/NDF: 16726884.3/103


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.002+/-0.005 χ²/NDF: 22.2/24
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.004+/-0.005 χ²/NDF: 20.1/30
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.001+/-0.003 χ²/NDF: 43.1/55
In: 0.003+/-0.003 χ²/NDF:59.4/47
Out: 0.002+/-0.003 χ²/NDF:49.8/55
All: 0.003+/-0.002 χ²/NDF: 109.3/103



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

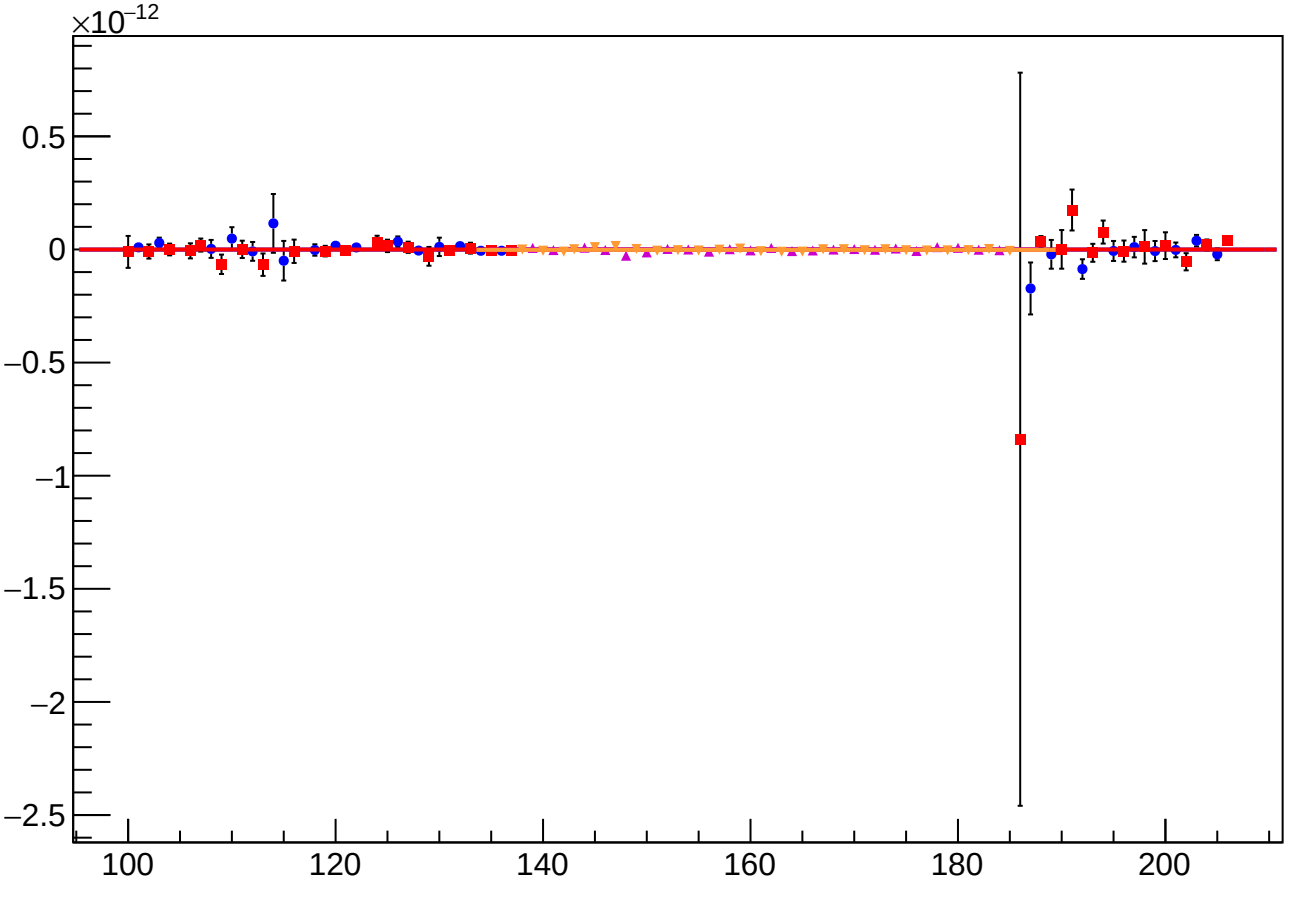
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.154+/-0.002 χ^2/NDF: 10772565.2/55

In: 15.446+/-0.002 χ^2/NDF:7473682.7/47

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.472+/-0.001 χ^2/NDF: 16726884.3/103



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

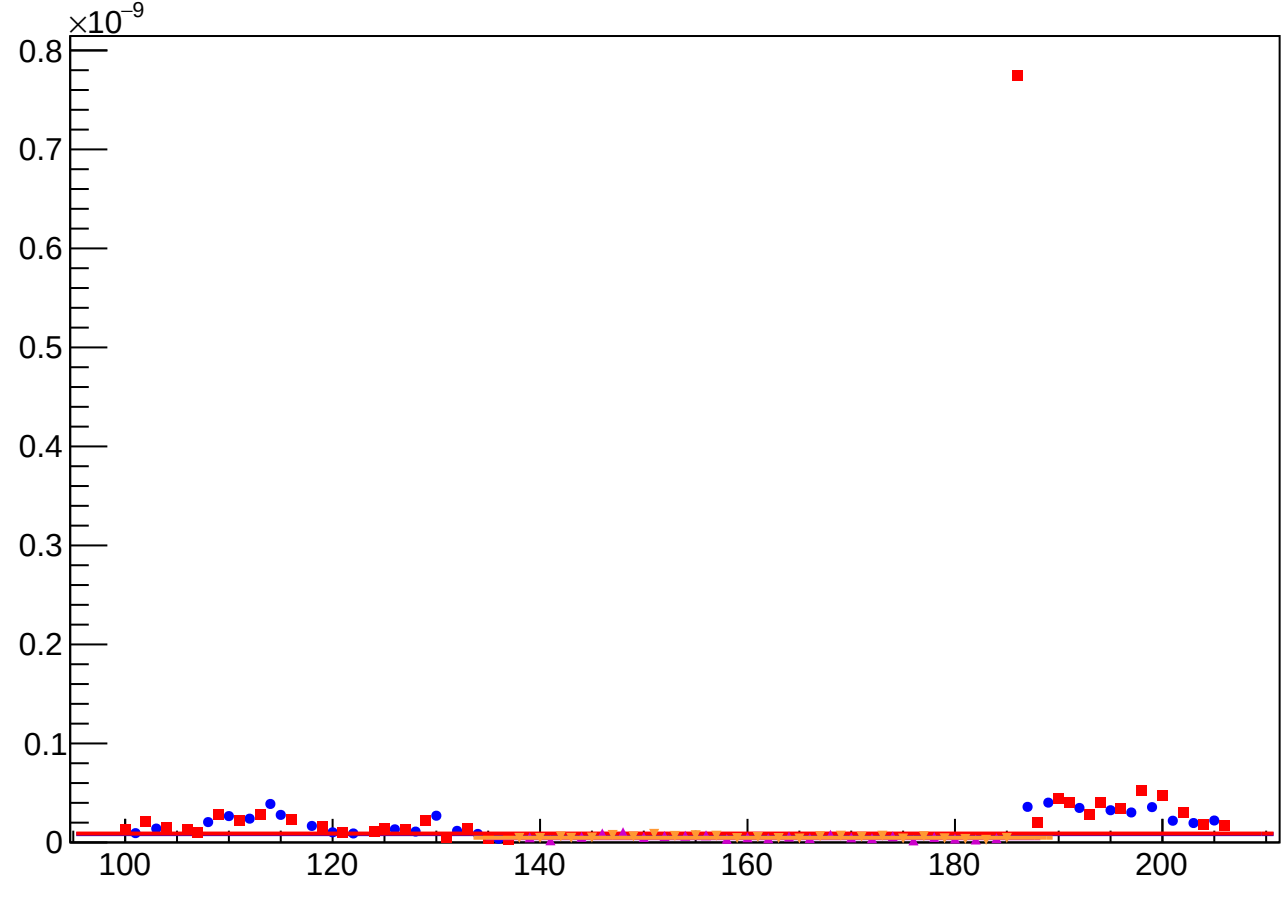
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/55

In: -0.000+/-0.000 χ^2/NDF:40.1/47

Out: -0.000+/-0.000 χ^2/NDF:37.6/55

All: -0.000+/-0.000 χ^2/NDF: 78.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 8322113.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10898086.7/30

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

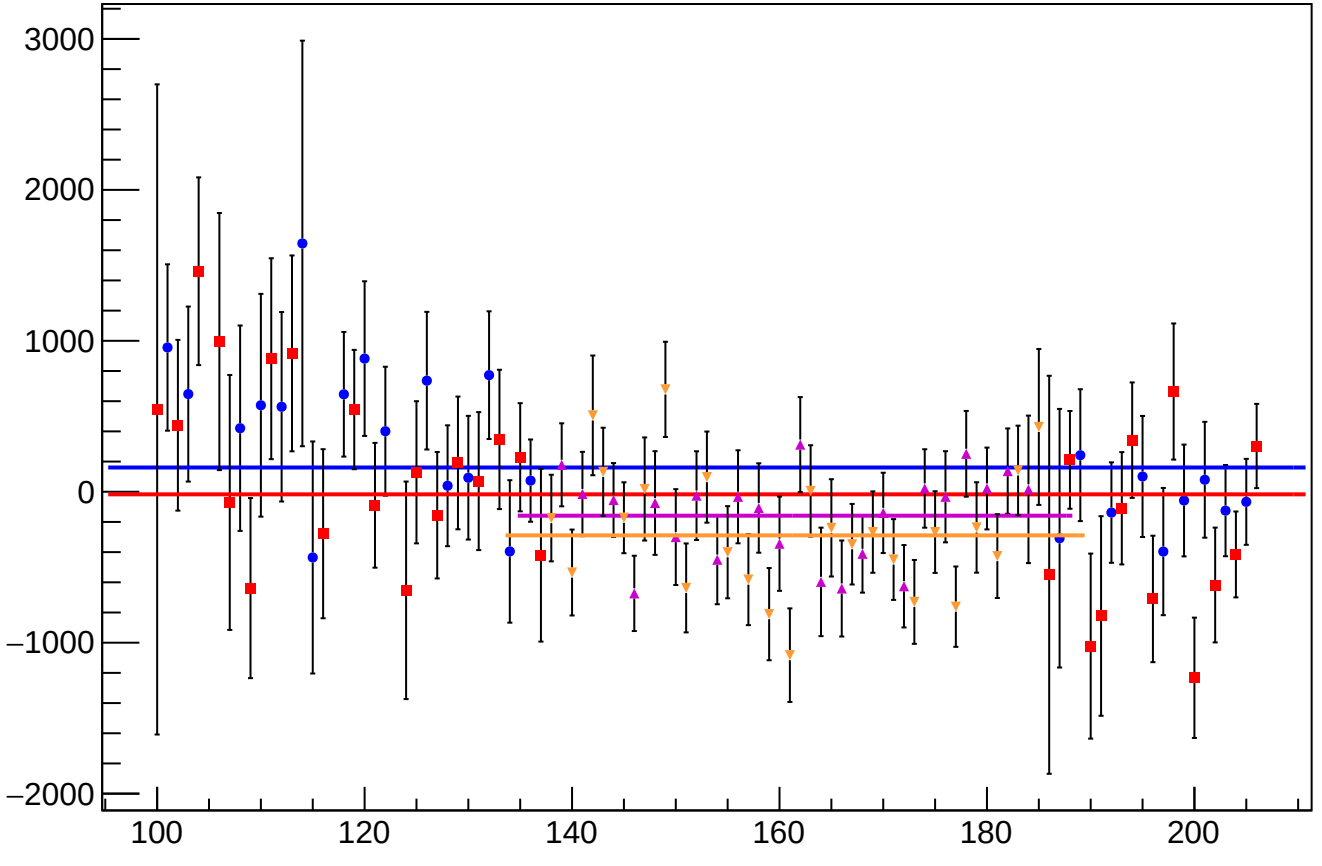
Right: 0.000+/-0.000 χ^2/NDF: 19244829.6/55

In: 0.000+/-0.000 χ^2/NDF:14130832.2/47

Out: 0.000+/-0.000 χ^2/NDF:15280451.0/55

All: 0.000+/-0.000 χ^2/NDF: 29572611.6/103

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 160.682+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.168+/-82.376 χ^2/NDF: 43.7/30

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

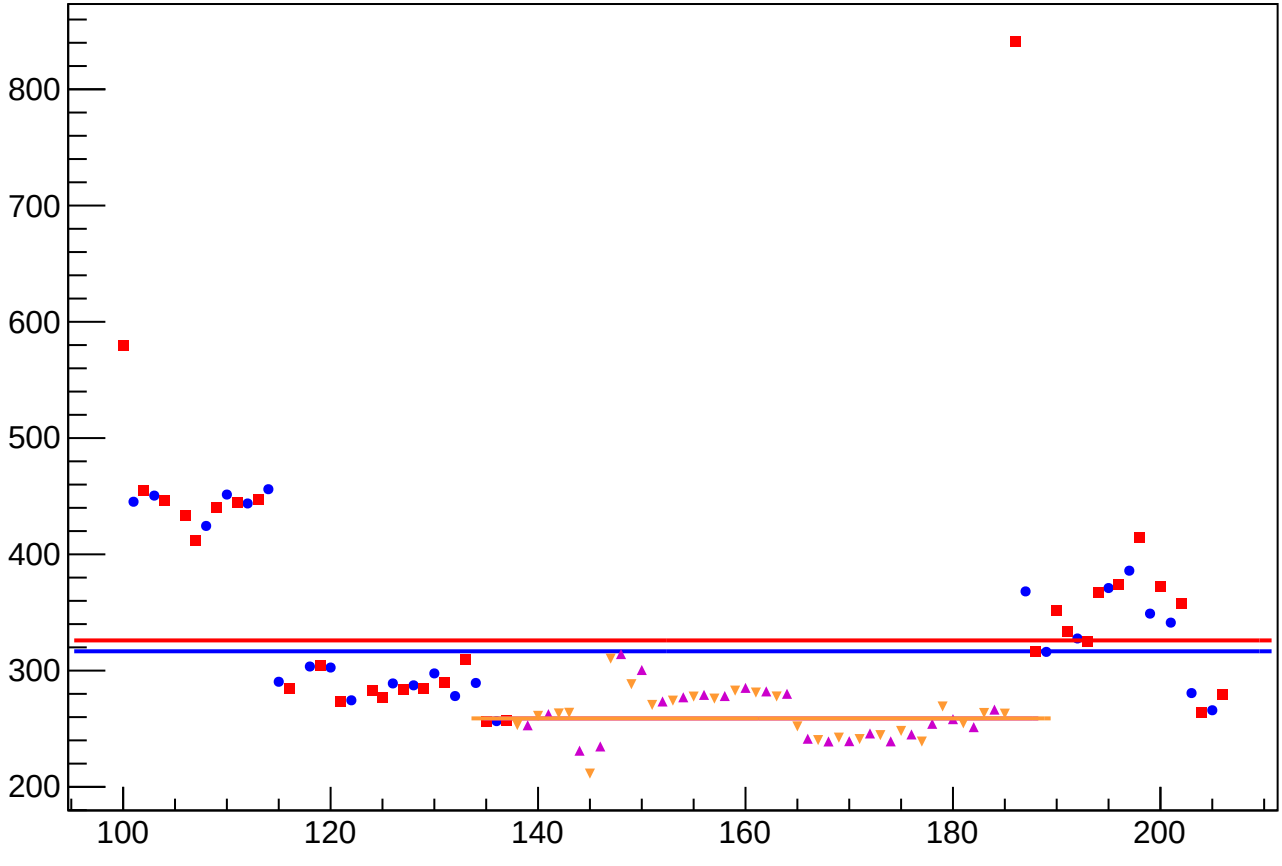
Right: 68.067+/-59.445 χ^2/NDF: 65.3/55

In: -52.198+/-49.570 χ^2/NDF:51.0/47

Out: -196.711+/-47.985 χ^2/NDF:93.3/55

All: -126.803+/-34.477 χ^2/NDF: 148.8/103

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 316.624+/-0.061 χ^2/NDF: 820022.2/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.970+/-0.058 χ^2/NDF: 1331757.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

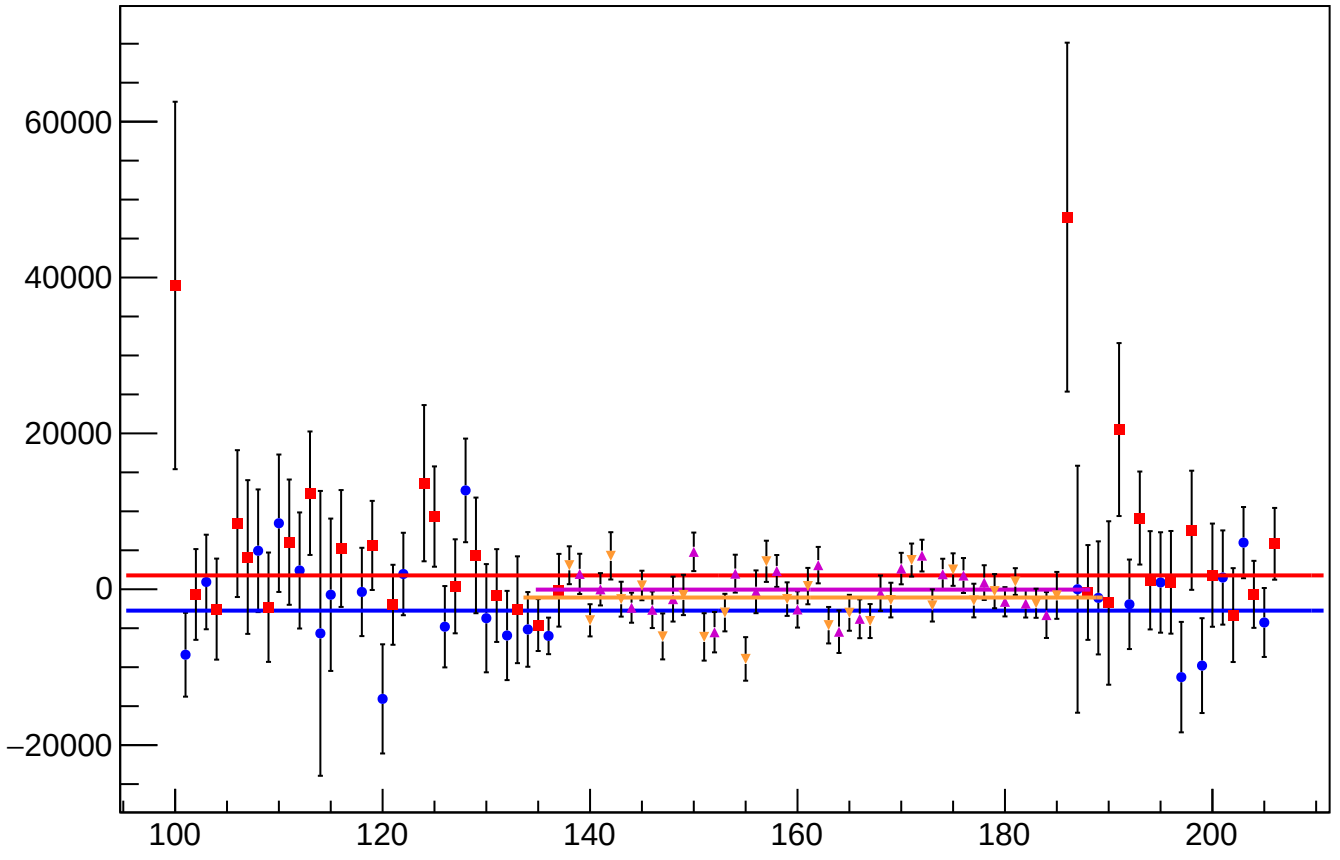
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.491+/-0.042 χ^2/NDF: 2164116.5/55

In: 278.099+/-0.035 χ^2/NDF:1668783.5/47

Out: 281.666+/-0.034 χ^2/NDF:2456135.0/55

All: 279.941+/-0.024 χ^2/NDF: 4130265.1/103



Right In: -2740.796+/-1120.590 χ^2/NDF: 23.7/24

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1778.165+/-1138.625 χ^2/NDF: 25.9/30

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

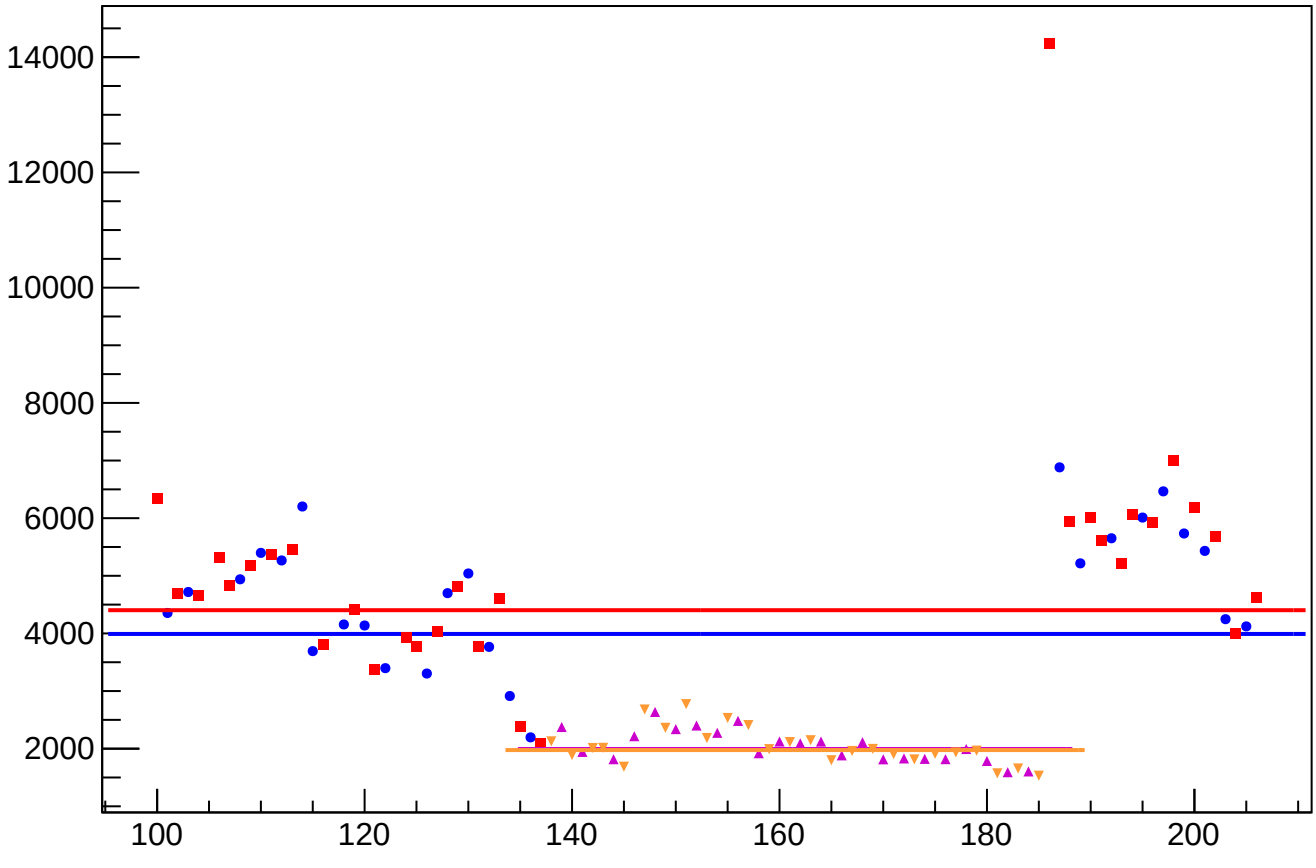
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -517.388+/-798.677 χ^2/NDF: 57.6/55

In: -448.757+/-433.970 χ^2/NDF:62.8/47

Out: -669.045+/-422.236 χ^2/NDF:72.7/55

All: -561.919+/-302.629 χ^2/NDF: 135.6/103



Right In: 3990.900+/-0.792 χ^2/NDF: 2632161.8/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4403.154+/-0.805 χ^2/NDF: 2871642.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

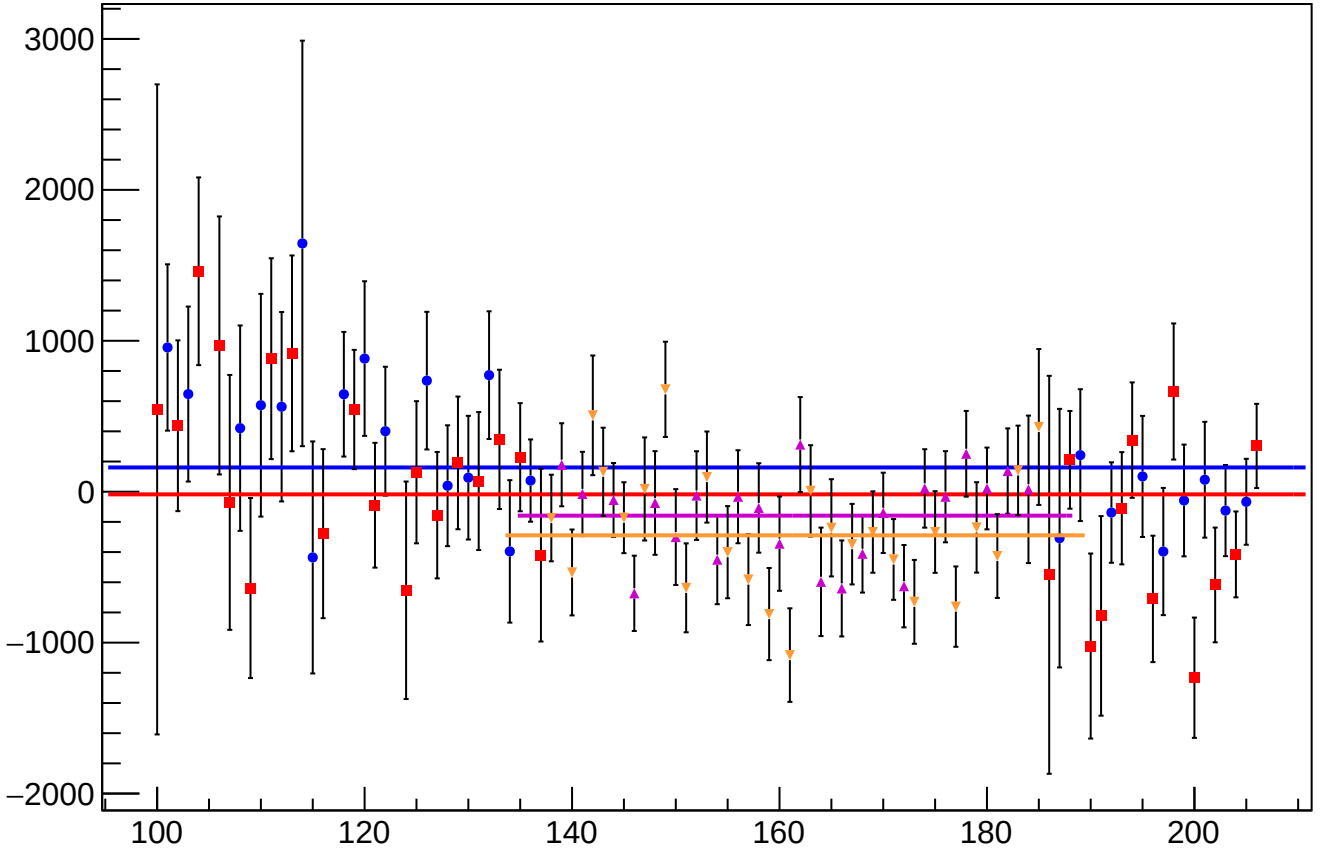
Right: 4193.737+/-0.565 χ^2/NDF: 5636986.9/55

In: 2294.136+/-0.307 χ^2/NDF:8626631.9/47

Out: 2309.742+/-0.299 χ^2/NDF:11473357.3/55

All: 2302.153+/-0.214 χ^2/NDF: 20101317.8/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.566+/-82.379 χ^2/NDF: 43.6/30

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

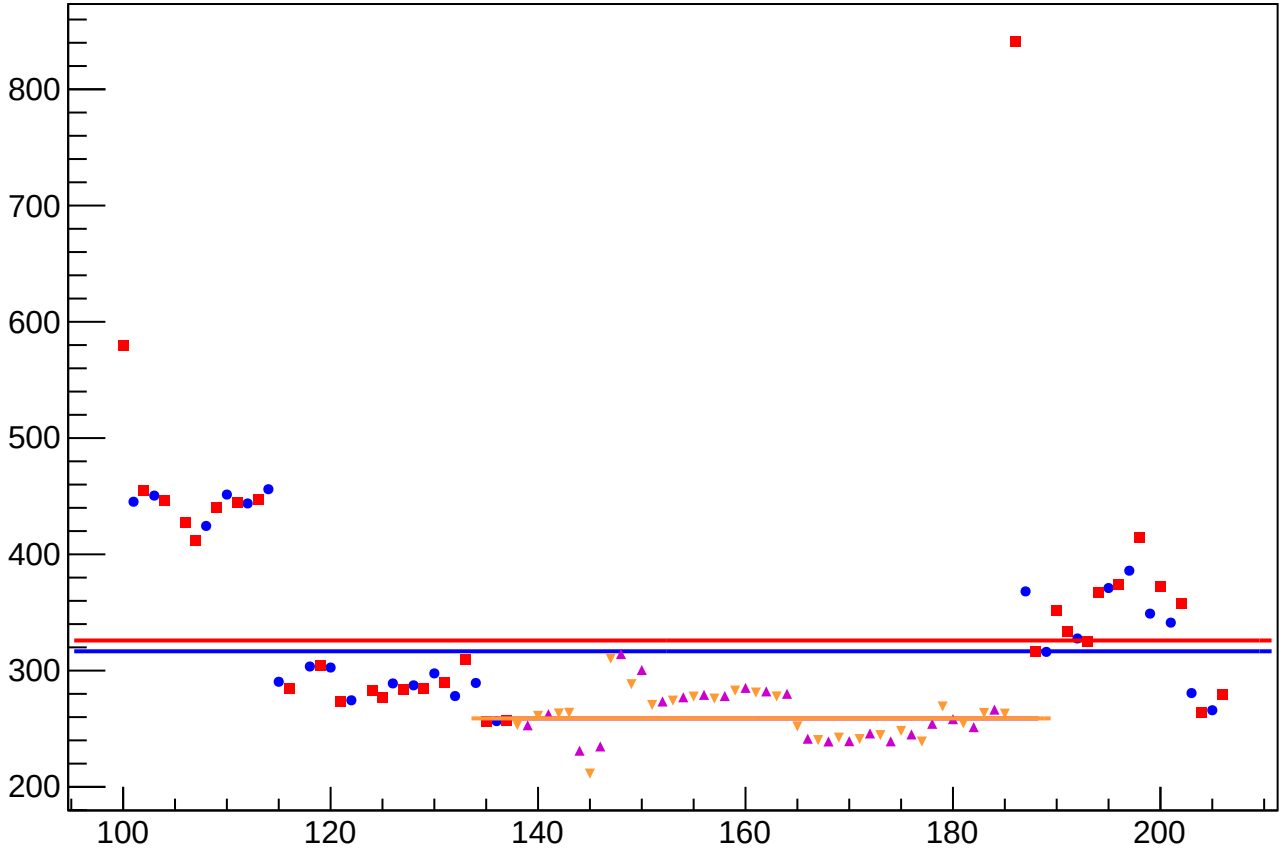
Right: 67.854+/-59.446 χ^2/NDF: 65.2/55

In: -52.212+/-49.570 χ^2/NDF:51.0/47

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -126.882+/-34.478 χ^2/NDF: 148.6/103

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

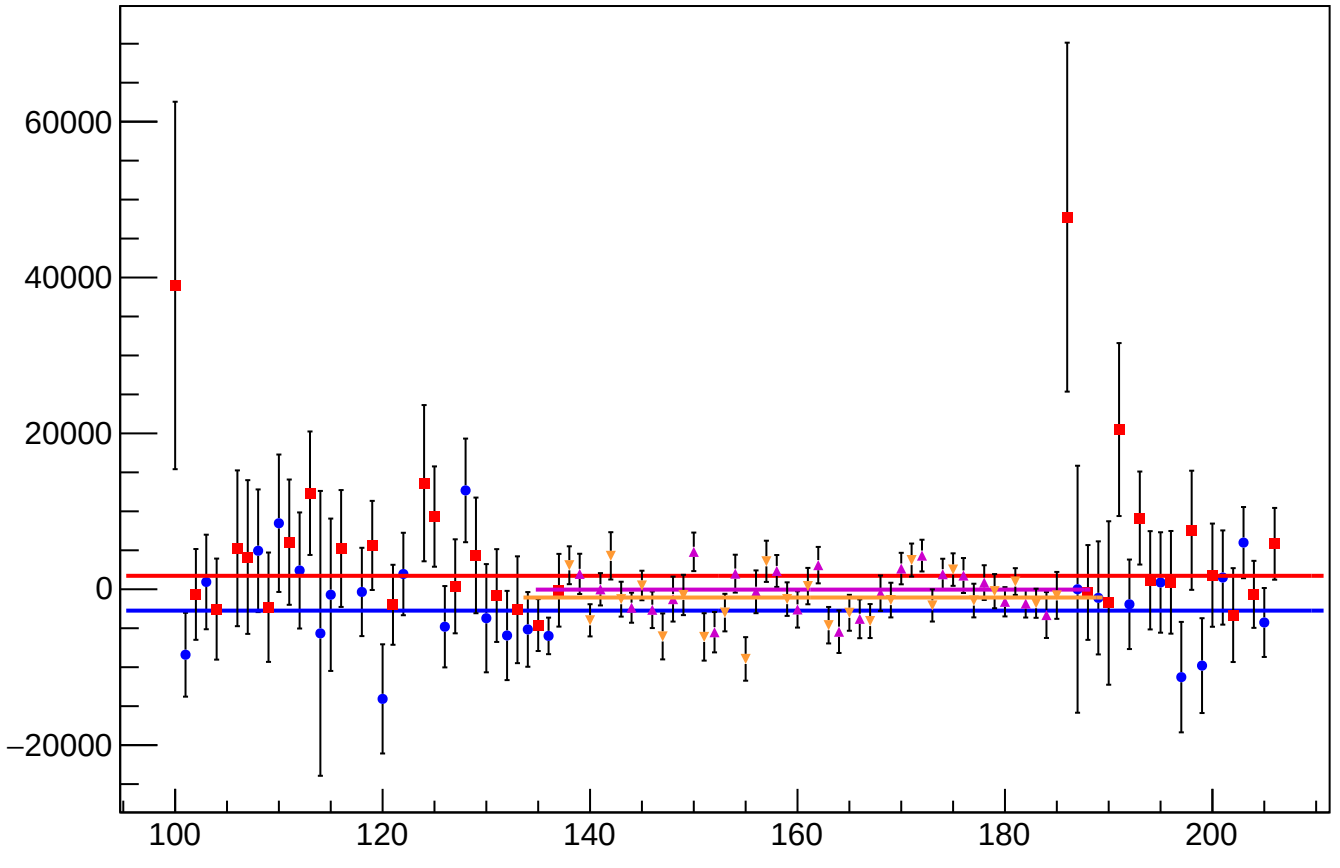
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.455+/-0.042 χ^2/NDF: 2160023.8/55

In: 278.099+/-0.035 χ^2/NDF:1668785.0/47

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.928+/-0.024 χ^2/NDF: 4124428.2/103



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1726.522+/-1139.576 χ^2/NDF: 25.5/30

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

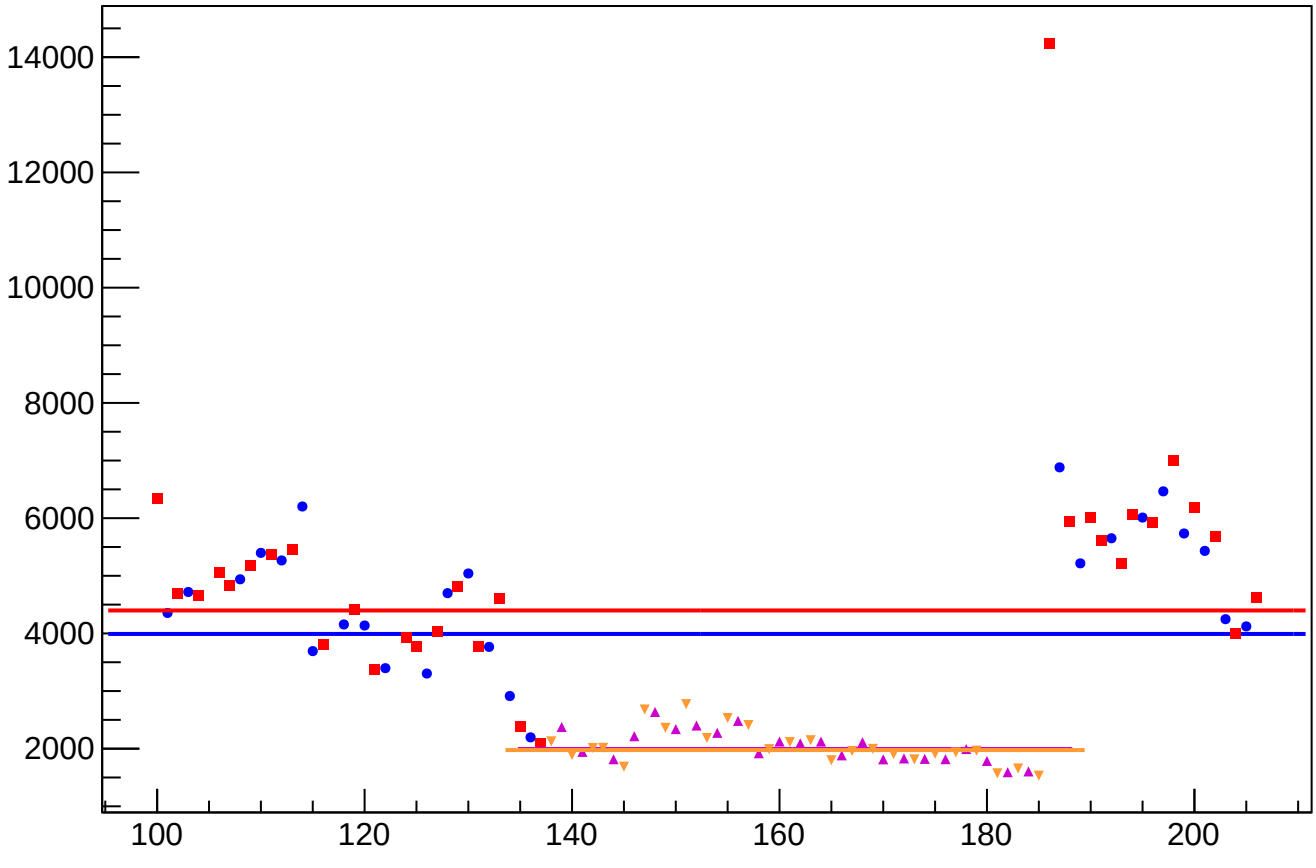
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -544.637+/-799.005 χ^2/NDF: 57.0/55

In: -448.747+/-433.970 χ^2/NDF:62.8/47

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -565.834+/-302.647 χ^2/NDF: 135.1/103



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

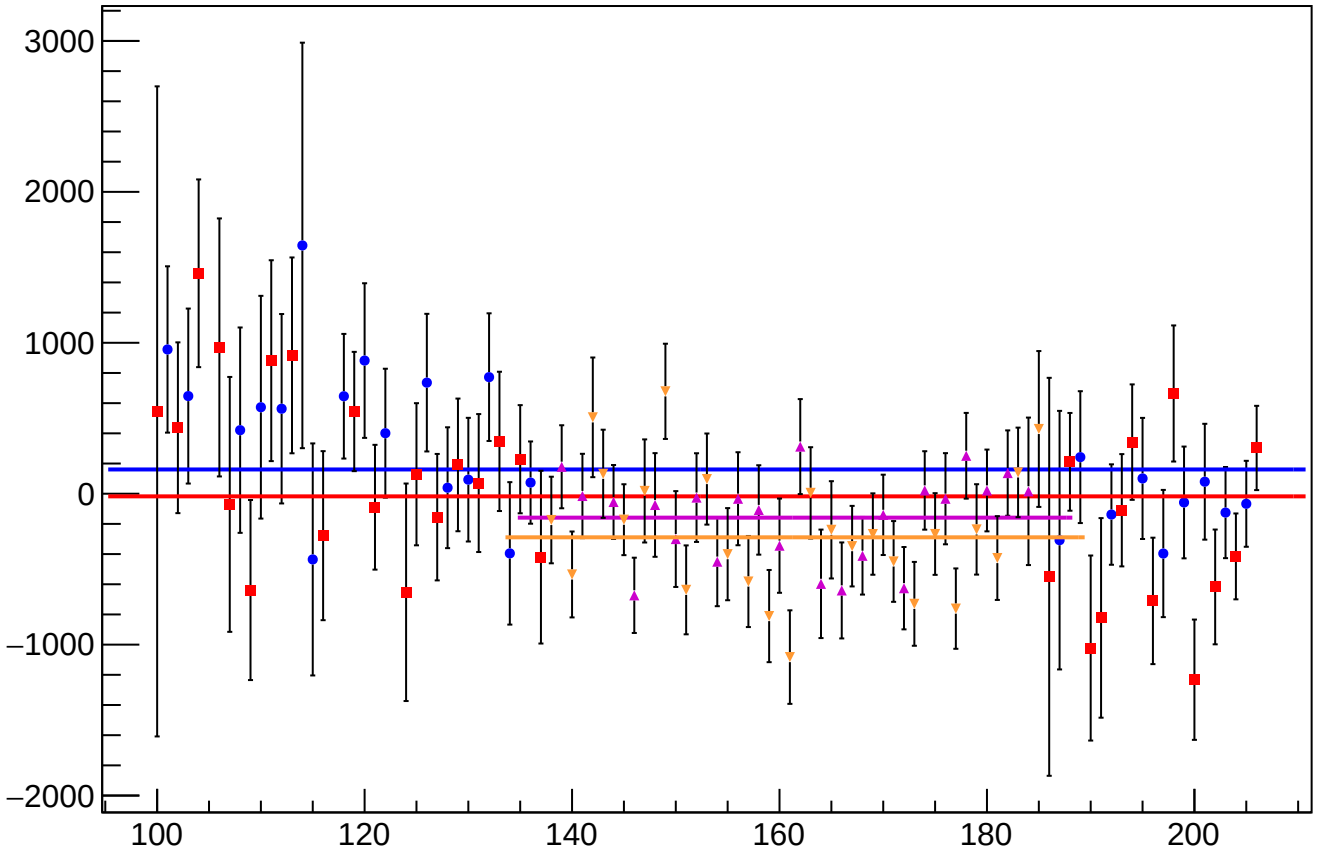
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4191.310+/-0.565 χ^2/NDF: 5624185.4/55

In: 2294.136+/-0.307 χ^2/NDF:8626652.5/47

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2301.581+/-0.214 χ^2/NDF: 20050538.2/1



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.566+/-82.379 χ^2/NDF: 43.6/30

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

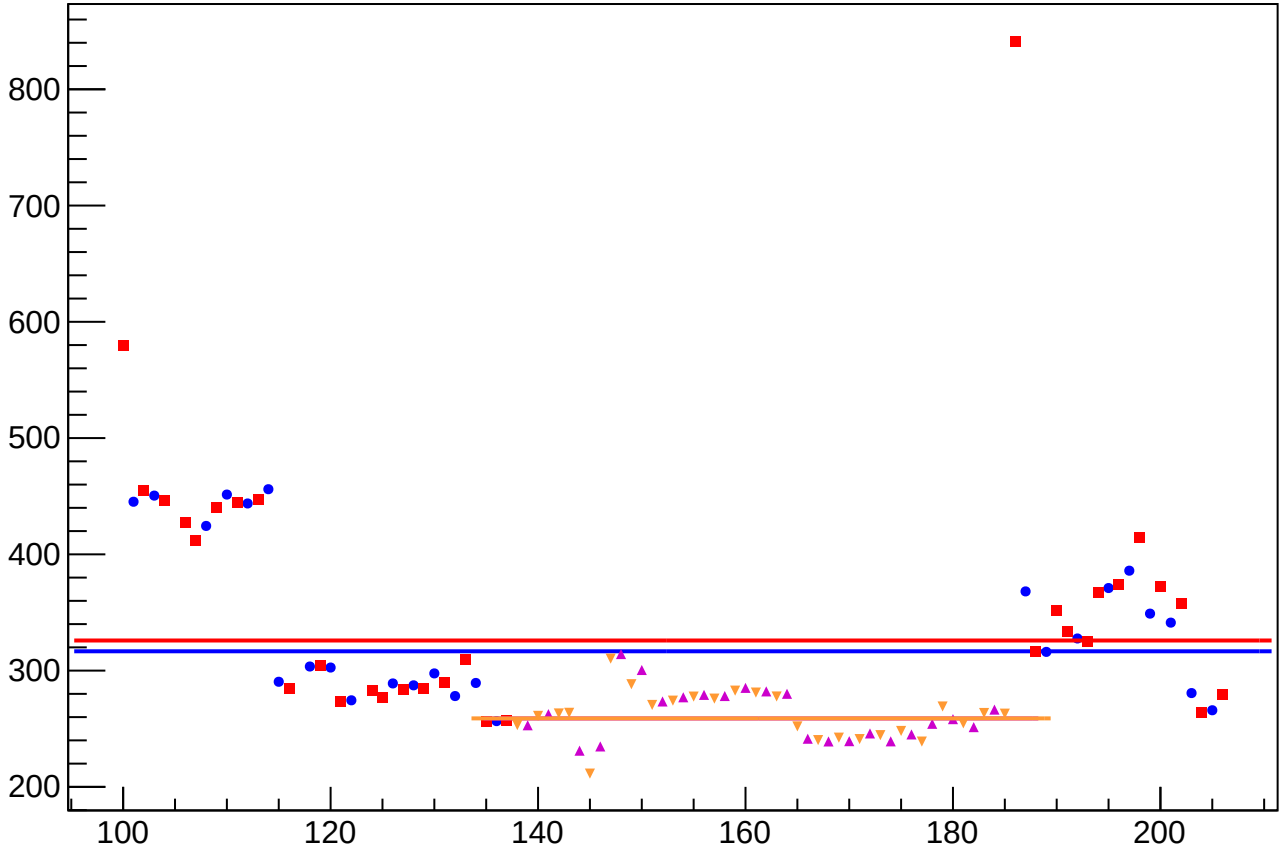
Right: 67.854+/-59.446 χ^2/NDF: 65.2/55

In: -52.212+/-49.570 χ^2/NDF:51.0/47

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -126.882+/-34.478 χ^2/NDF: 148.6/103

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

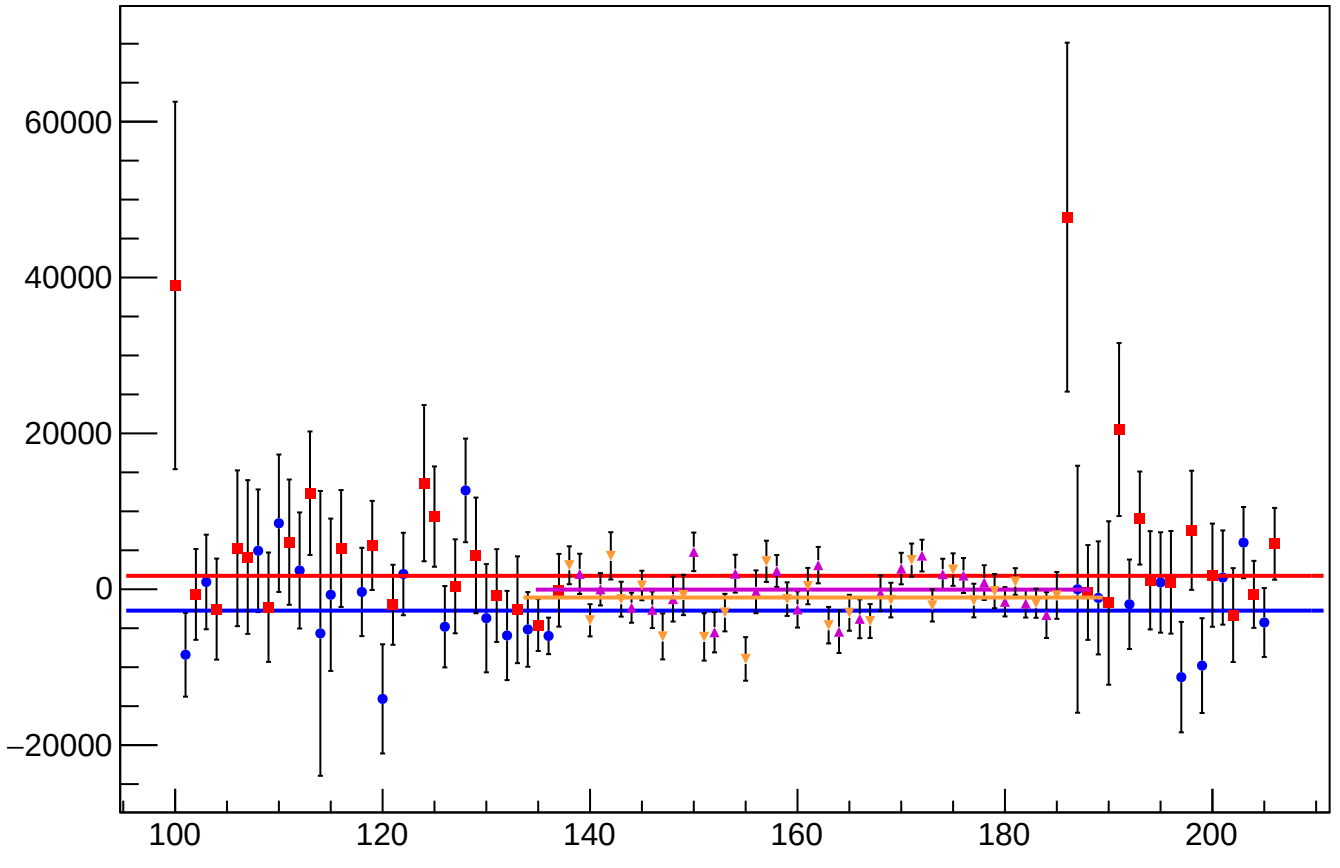
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 321.455+/-0.042 χ^2/NDF: 2160023.8/55

In: 278.099+/-0.035 χ^2/NDF:1668785.0/47

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.928+/-0.024 χ^2/NDF: 4124428.2/103



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1726.522+/-1139.576 χ^2/NDF: 25.5/30

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

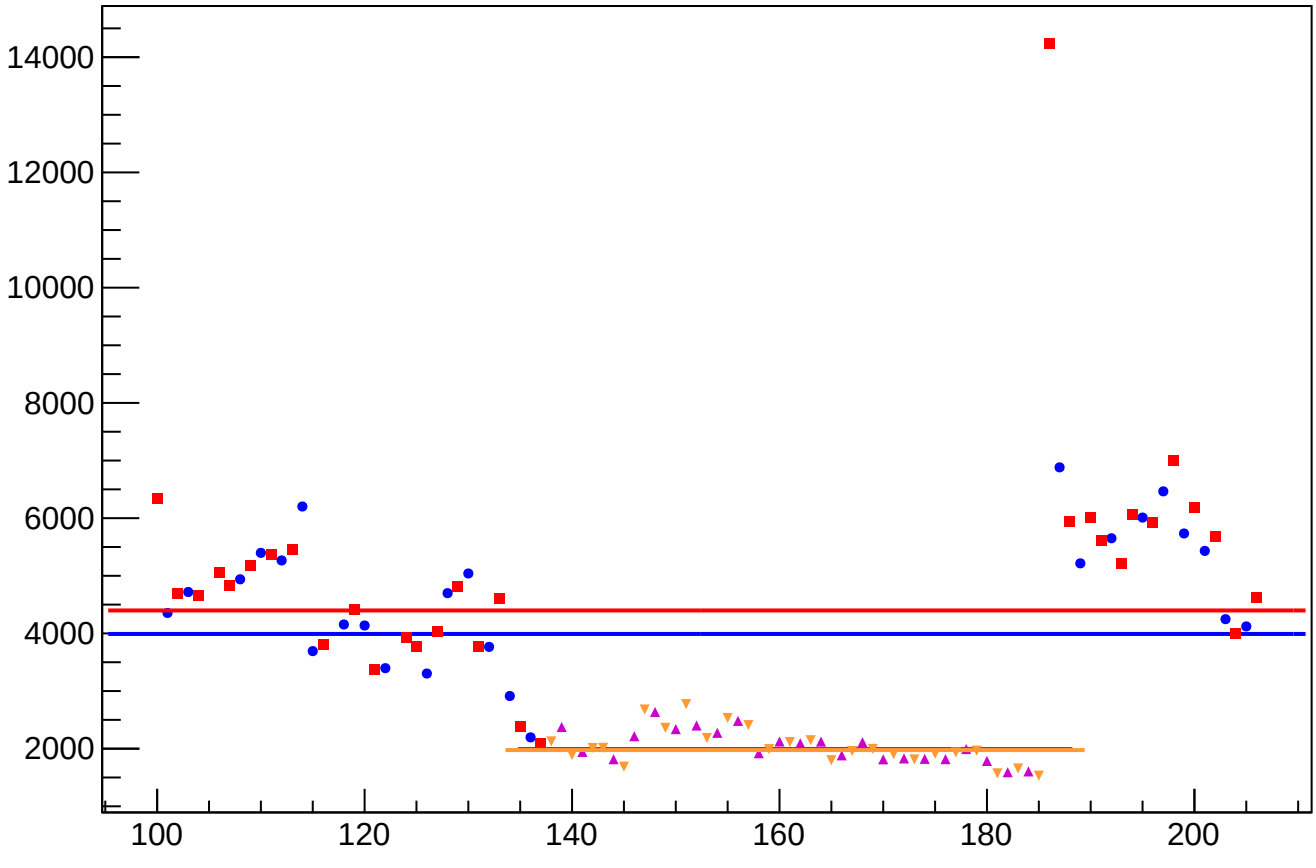
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -544.637+/-799.005 χ^2/NDF: 57.0/55

In: -448.747+/-433.970 χ^2/NDF:62.8/47

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -565.834+/-302.647 χ^2/NDF: 135.1/103



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

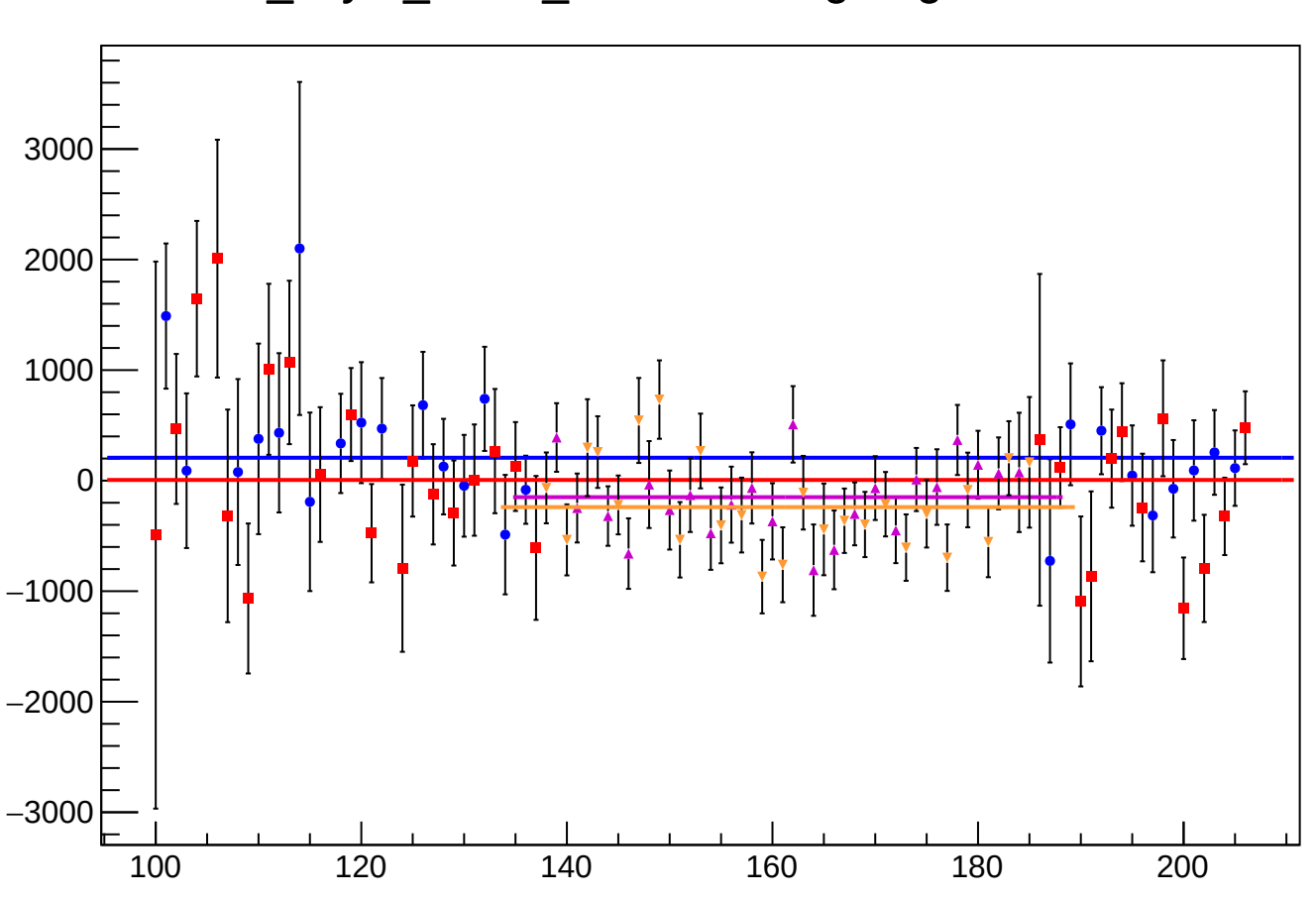
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4191.310+/-0.565 χ^2/NDF: 5624185.4/55

In: 2294.136+/-0.307 χ^2/NDF:8626652.5/47

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2301.581+/-0.214 χ^2/NDF: 20050538.2/1



Right In: 207.171+/-99.066 χ^2/NDF: 15.1/24

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 6.098+/-94.577 χ^2/NDF: 39.9/30

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

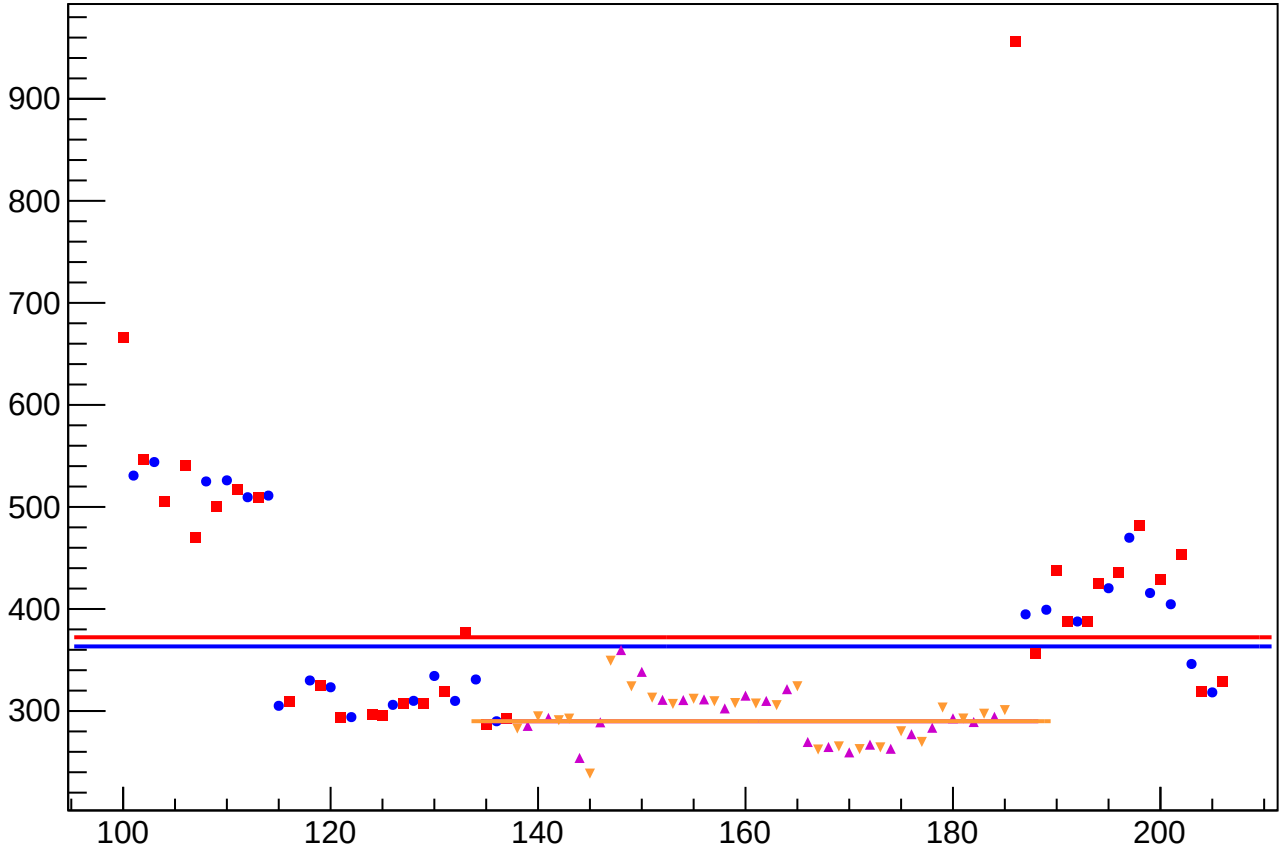
Right: 101.976+/-68.408 χ^2/NDF: 57.2/55

In: -34.917+/-56.153 χ^2/NDF:45.6/47

Out: -158.826+/-54.216 χ^2/NDF:78.5/55

All: -99.045+/-39.003 χ^2/NDF: 126.6/103

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 363.311+/-0.070 χ^2/NDF: 1021002.0/24

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 372.283+/-0.067 χ^2/NDF: 1547817.0/30

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

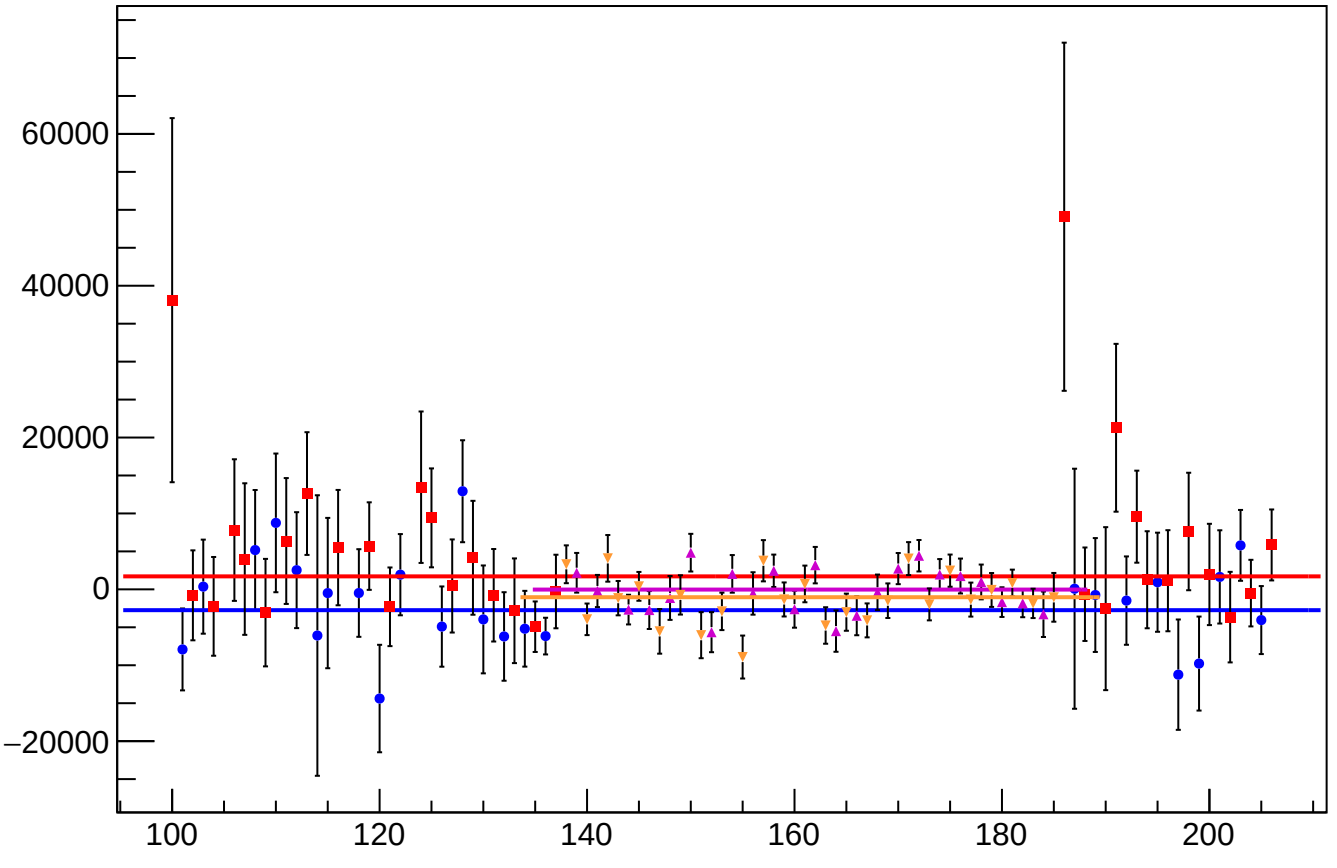
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 368.005+/-0.048 χ^2/NDF: 2577401.2/55

In: 313.514+/-0.040 χ^2/NDF:2035234.3/47

Out: 317.055+/-0.038 χ^2/NDF:2844265.2/55

All: 315.346+/-0.028 χ^2/NDF: 4883615.1/103



Right In: -2743.578+/-1144.105 χ^2/NDF: 23.2/24

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1709.764+/-1152.359 χ^2/NDF: 26.8/30

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

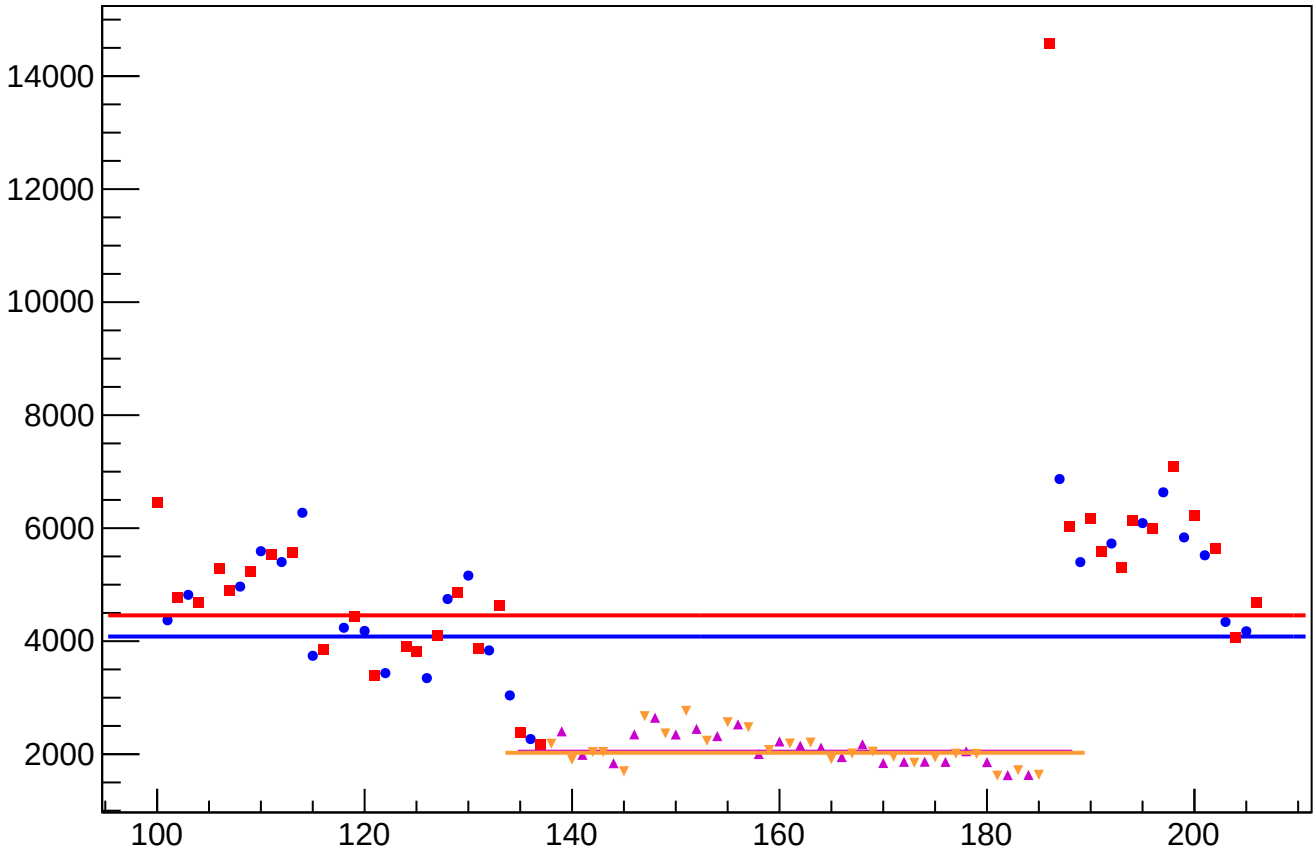
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -532.912+/-811.907 χ^2/NDF: 57.5/55

In: -439.762+/-444.410 χ^2/NDF:62.1/47

Out: -651.565+/-431.474 χ^2/NDF:71.9/55

All: -548.791+/-309.571 χ^2/NDF: 134.2/103



Right In: 4082.293+/-0.809 χ^2/NDF: 2552800.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4456.729+/-0.815 χ^2/NDF: 2859529.1/30

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

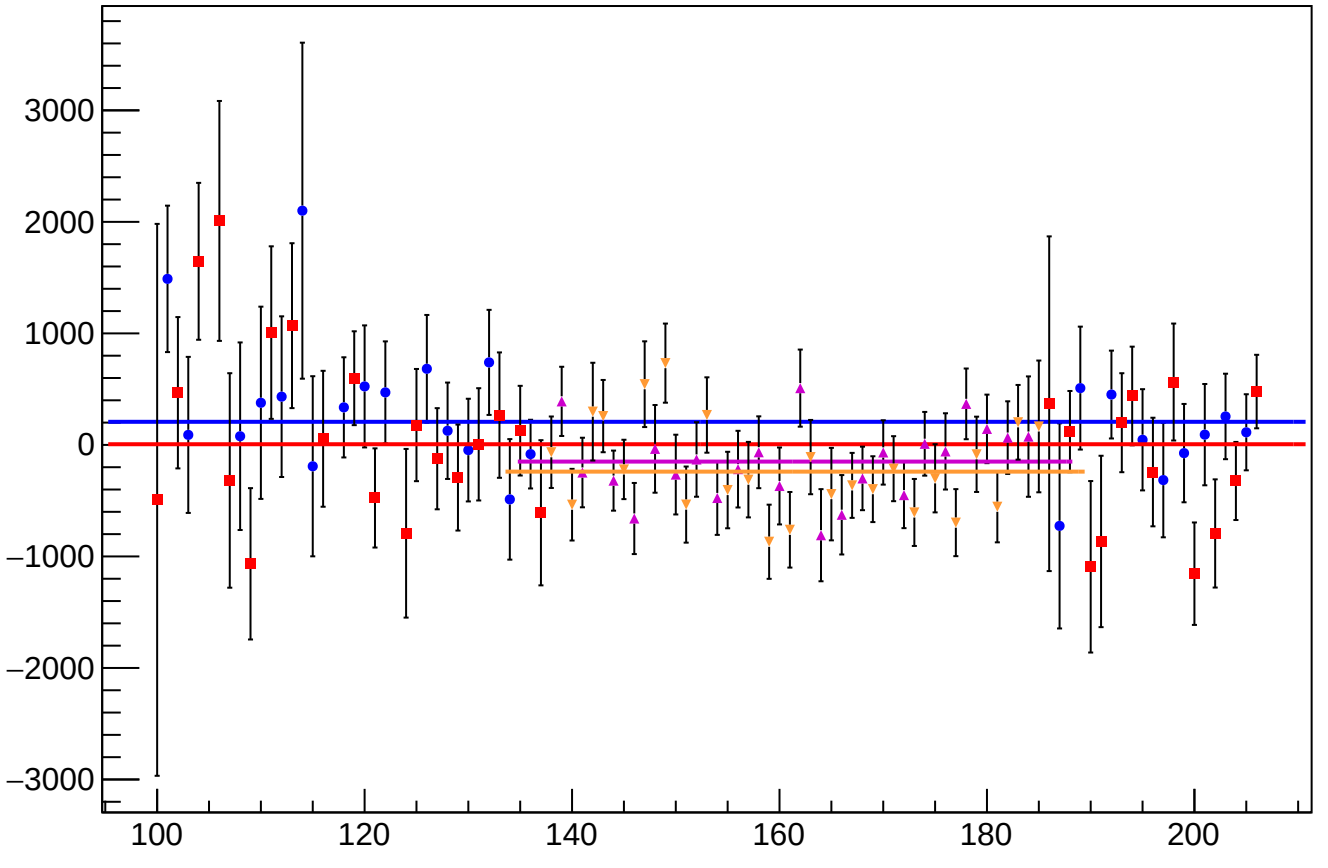
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4268.165+/-0.574 χ^2/NDF: 5518668.0/55

In: 2351.984+/-0.314 χ^2/NDF:8525091.9/47

Out: 2365.991+/-0.305 χ^2/NDF:11217274.9/55

All: 2359.194+/-0.219 χ^2/NDF: 19743389.5/1



Right In: 207.176+/-99.065 χ^2/NDF: 15.1/24

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 6.099+/-94.577 χ^2/NDF: 39.9/30

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

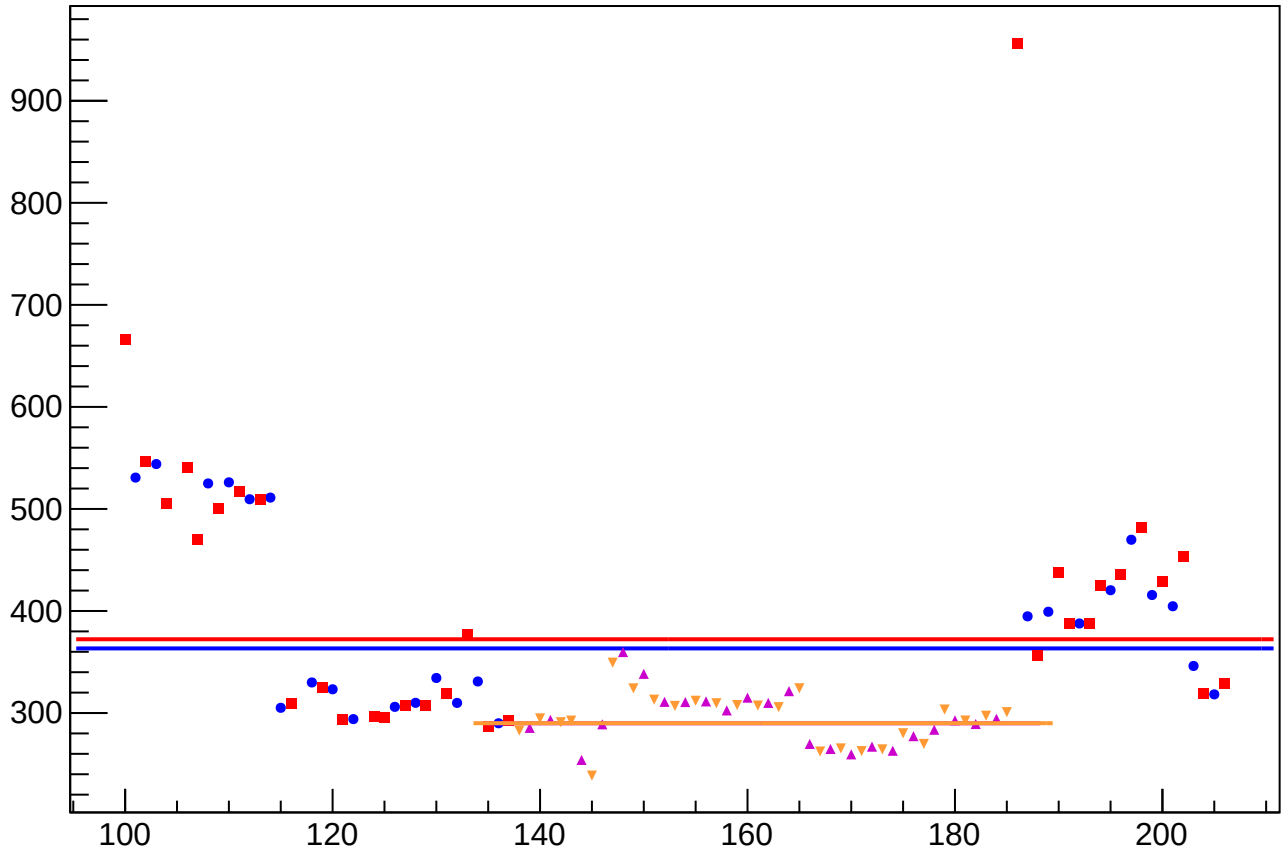
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: 101.979+/-68.408 χ^2/NDF: 57.2/55

In: -34.916+/-56.153 χ^2/NDF:45.6/47

Out: -158.827+/-54.216 χ^2/NDF:78.5/55

All: -99.045+/-39.003 χ^2/NDF: 126.6/103



Right In: 363.310+/-0.070 χ^2/NDF: 1020999.6/24

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 372.282+/-0.067 χ^2/NDF: 1547808.8/30

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

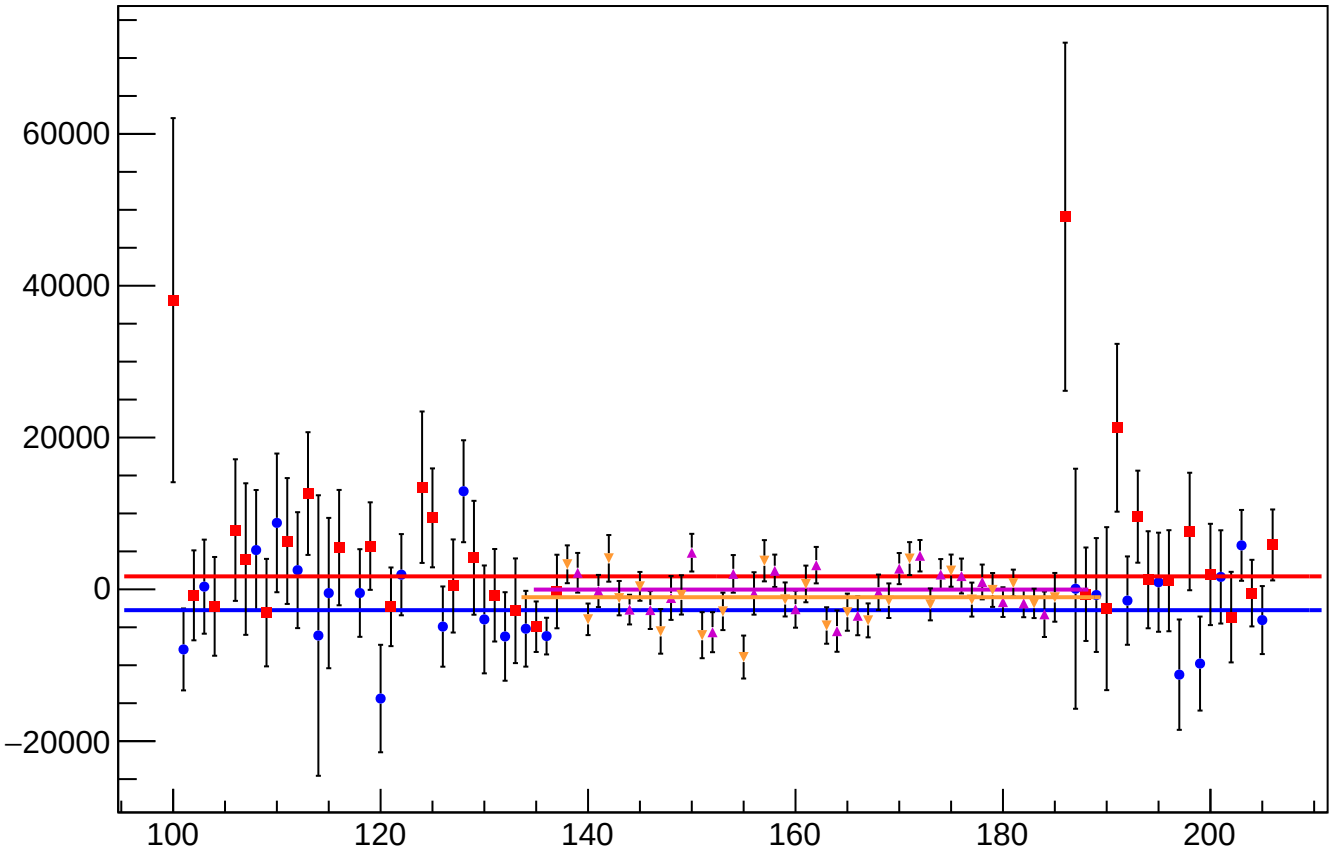
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 368.004+/-0.048 χ^2/NDF: 2577391.8/55

In: 313.514+/-0.040 χ^2/NDF:2035215.8/47

Out: 317.055+/-0.038 χ^2/NDF:2844250.9/55

All: 315.346+/-0.028 χ^2/NDF: 4883582.9/103



Right In: -2743.573+/-1144.104 χ^2/NDF: 23.2/24

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1709.768+/-1152.358 χ^2/NDF: 26.8/30

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

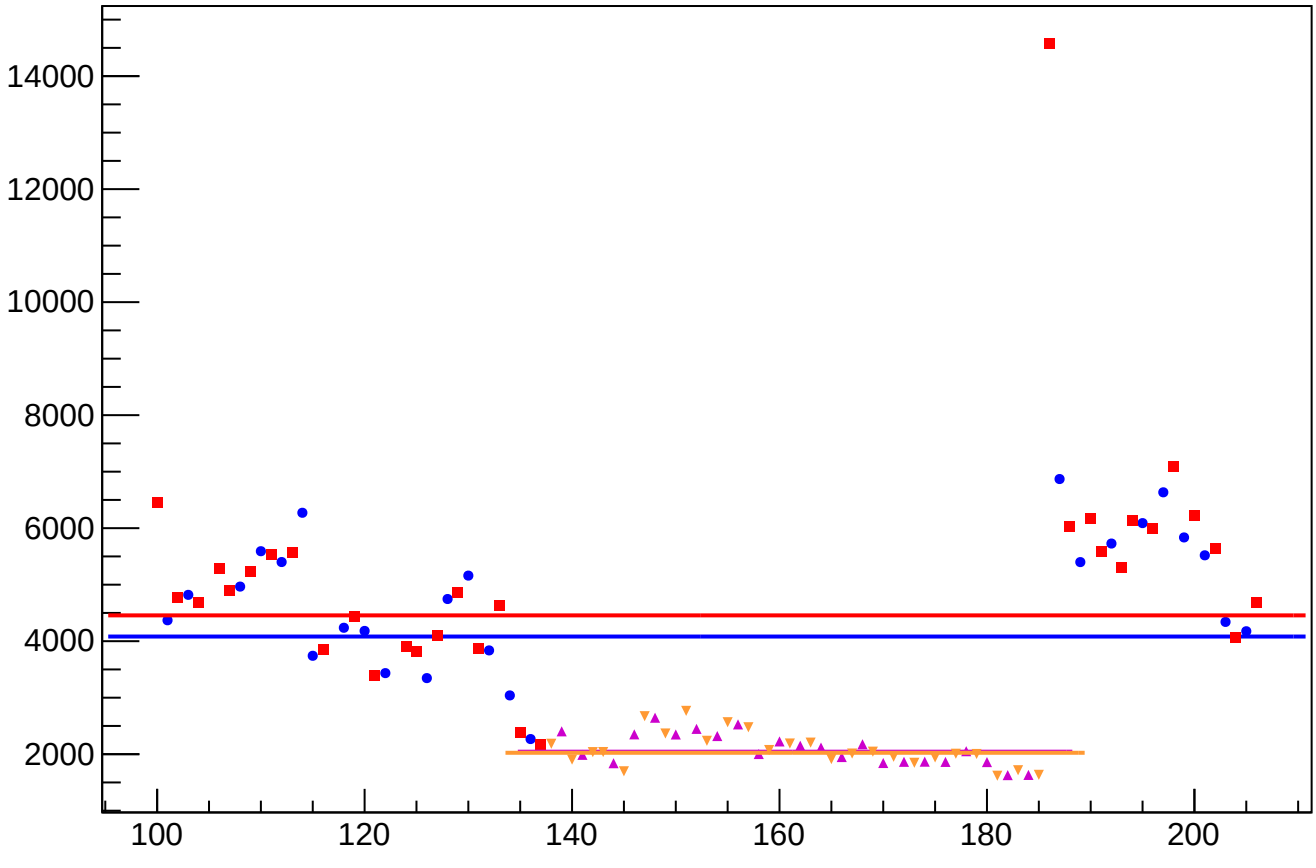
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -532.908+/-811.906 χ^2/NDF: 57.5/55

In: -439.761+/-444.410 χ^2/NDF:62.1/47

Out: -651.563+/-431.474 χ^2/NDF:71.9/55

All: -548.789+/-309.571 χ^2/NDF: 134.2/103



Right In: 4082.291+/-0.809 χ^2/NDF: 2552791.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4456.726+/-0.815 χ^2/NDF: 2859525.1/30

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

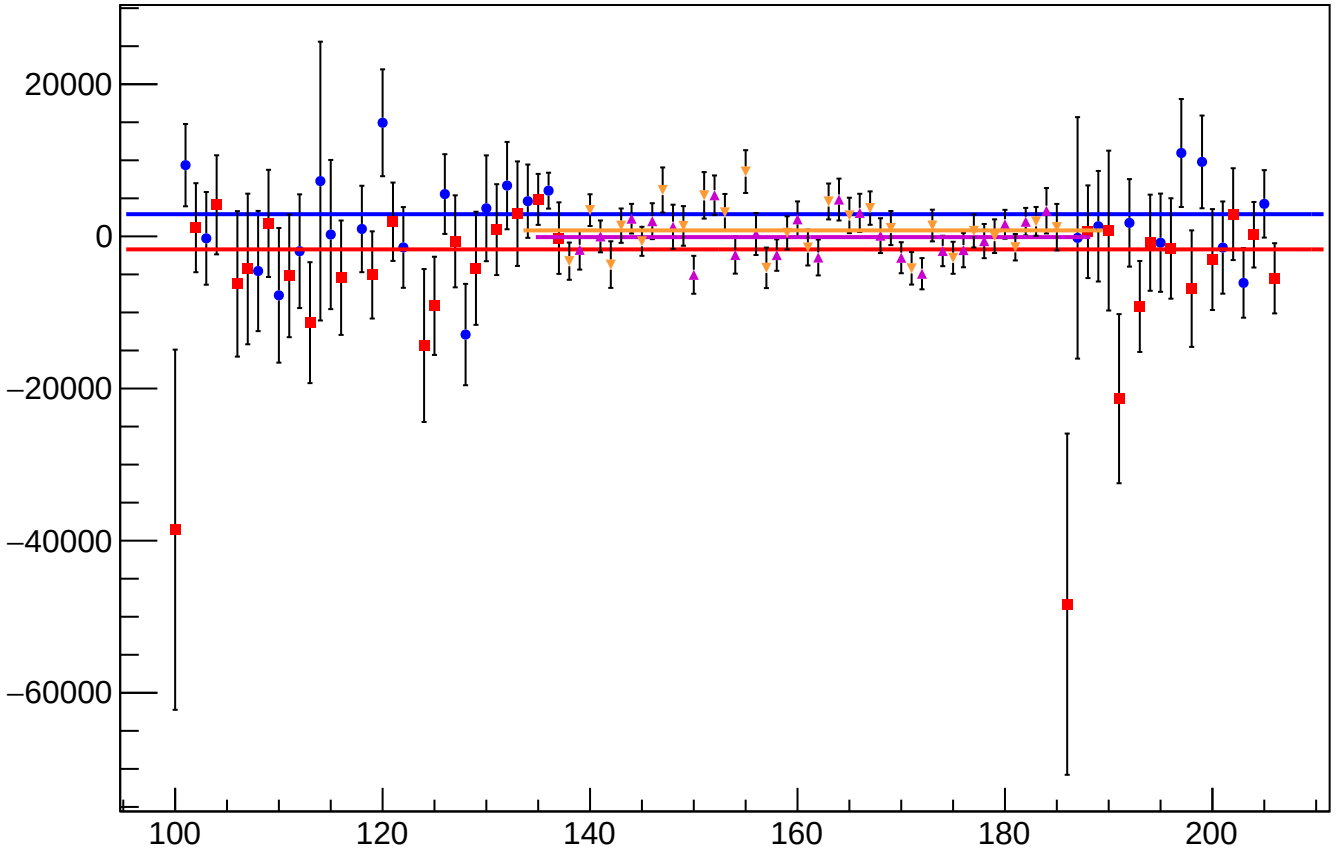
Right: 4268.163+/-0.574 χ^2/NDF: 5518654.8/55

In: 2351.984+/-0.314 χ^2/NDF:8525082.5/47

Out: 2365.991+/-0.305 χ^2/NDF:11217263.6/55

All: 2359.195+/-0.219 χ^2/NDF: 19743368.9/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2916.542+/-1125.020 χ^2/NDF: 24.0/24

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1710.537+/-1142.565 χ^2/NDF: 25.6/30

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

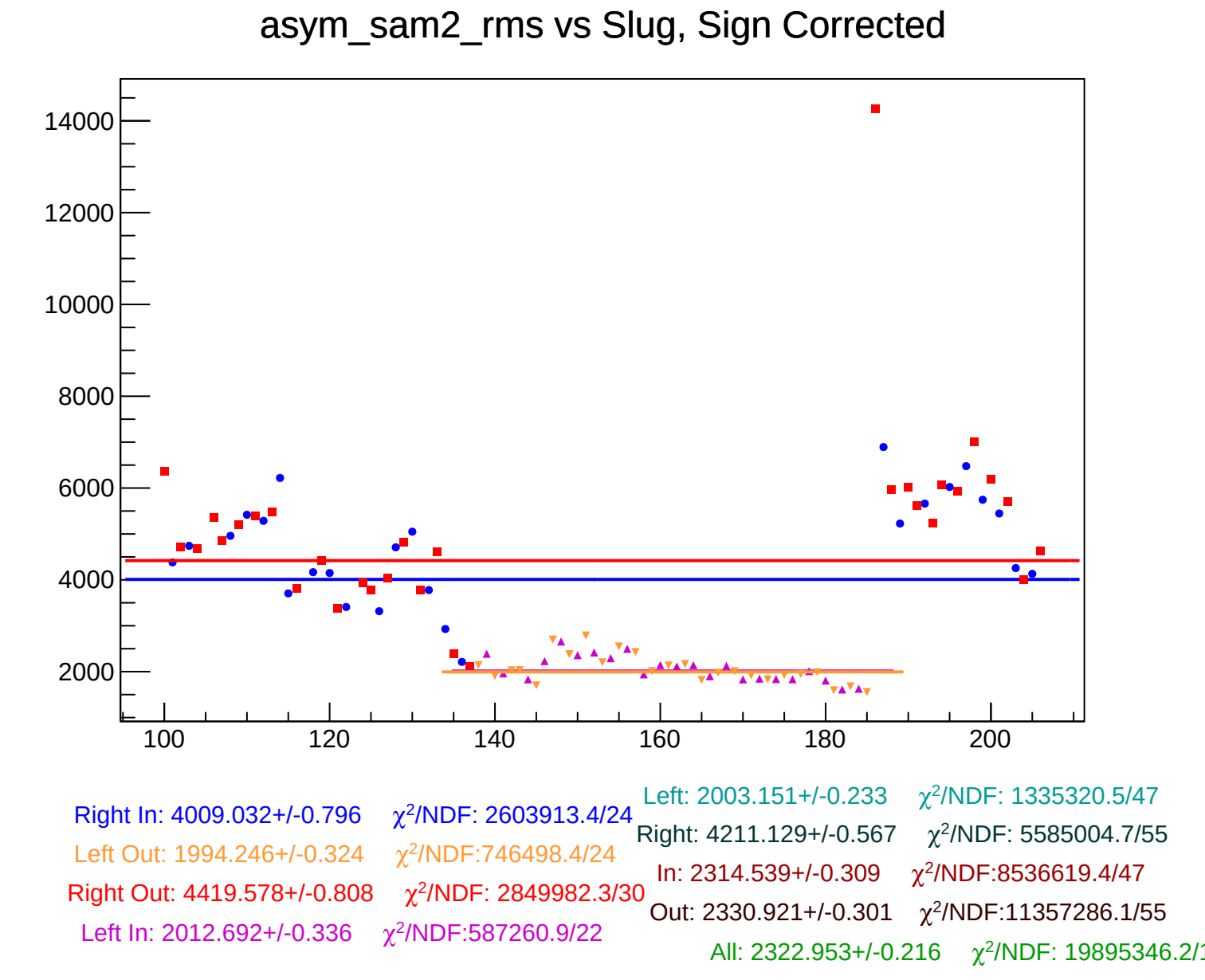
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

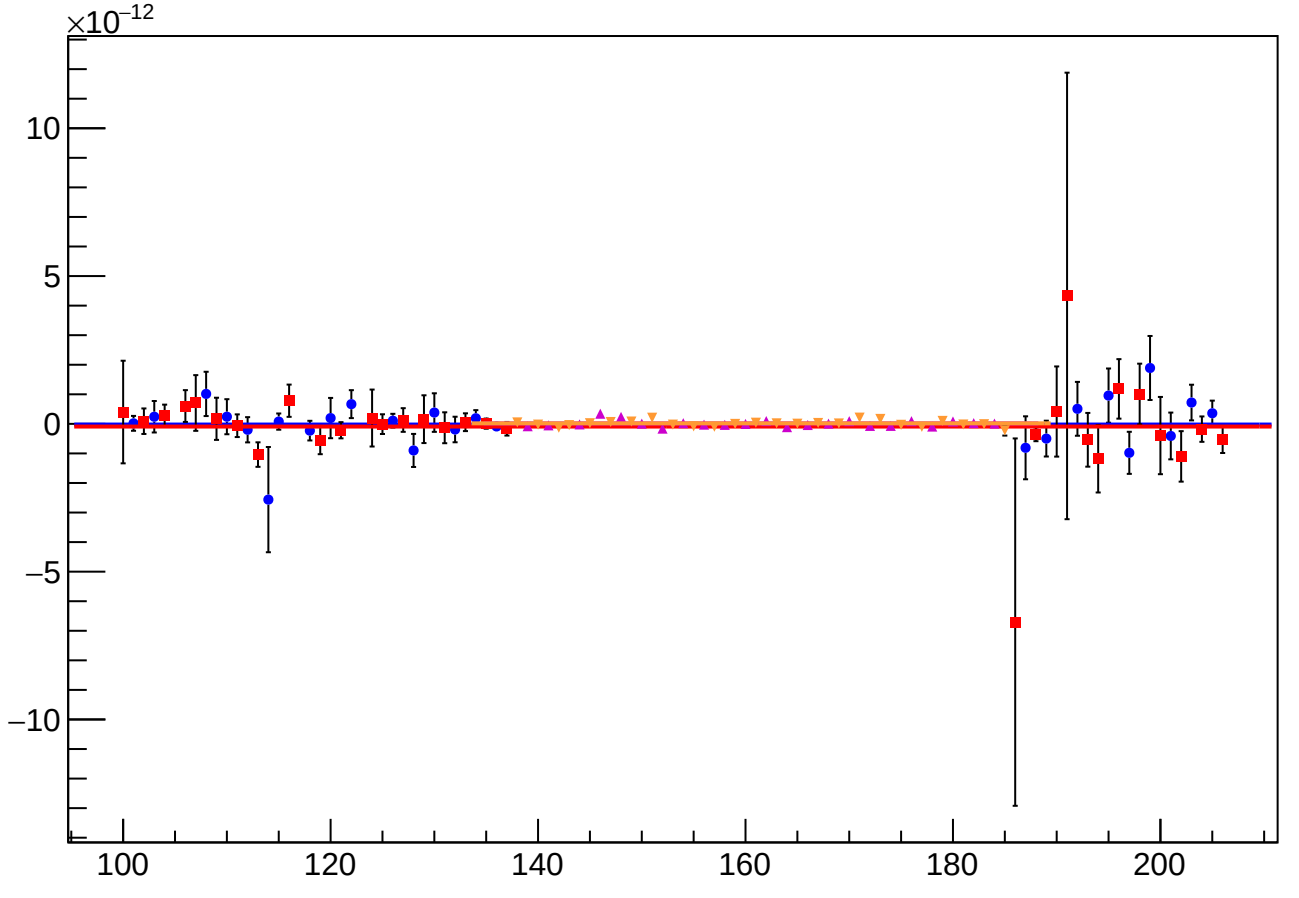
Right: 638.802+/-801.640 χ^2/NDF: 57.9/55

In: 358.877+/-437.458 χ^2/NDF:63.0/47

Out: 441.439+/-425.698 χ^2/NDF:71.0/55

All: 401.283+/-305.087 χ^2/NDF: 134.0/103


asym_sam2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 4009.032+/-0.796 χ²/NDF: 2603913.4/24
Left Out: 1994.246+/-0.324 χ²/NDF:746498.4/24
Right Out: 4419.578+/-0.808 χ²/NDF: 2849982.3/30
Left In: 2012.692+/-0.336 χ²/NDF:587260.9/22
Left: 2003.151+/-0.233 χ²/NDF: 1335320.5/47
Right: 4211.129+/-0.567 χ²/NDF: 5585004.7/55
In: 2314.539+/-0.309 χ²/NDF:8536619.4/47
Out: 2330.921+/-0.301 χ²/NDF:11357286.1/55
All: 2322.953+/-0.216 χ²/NDF: 19895346.2/



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

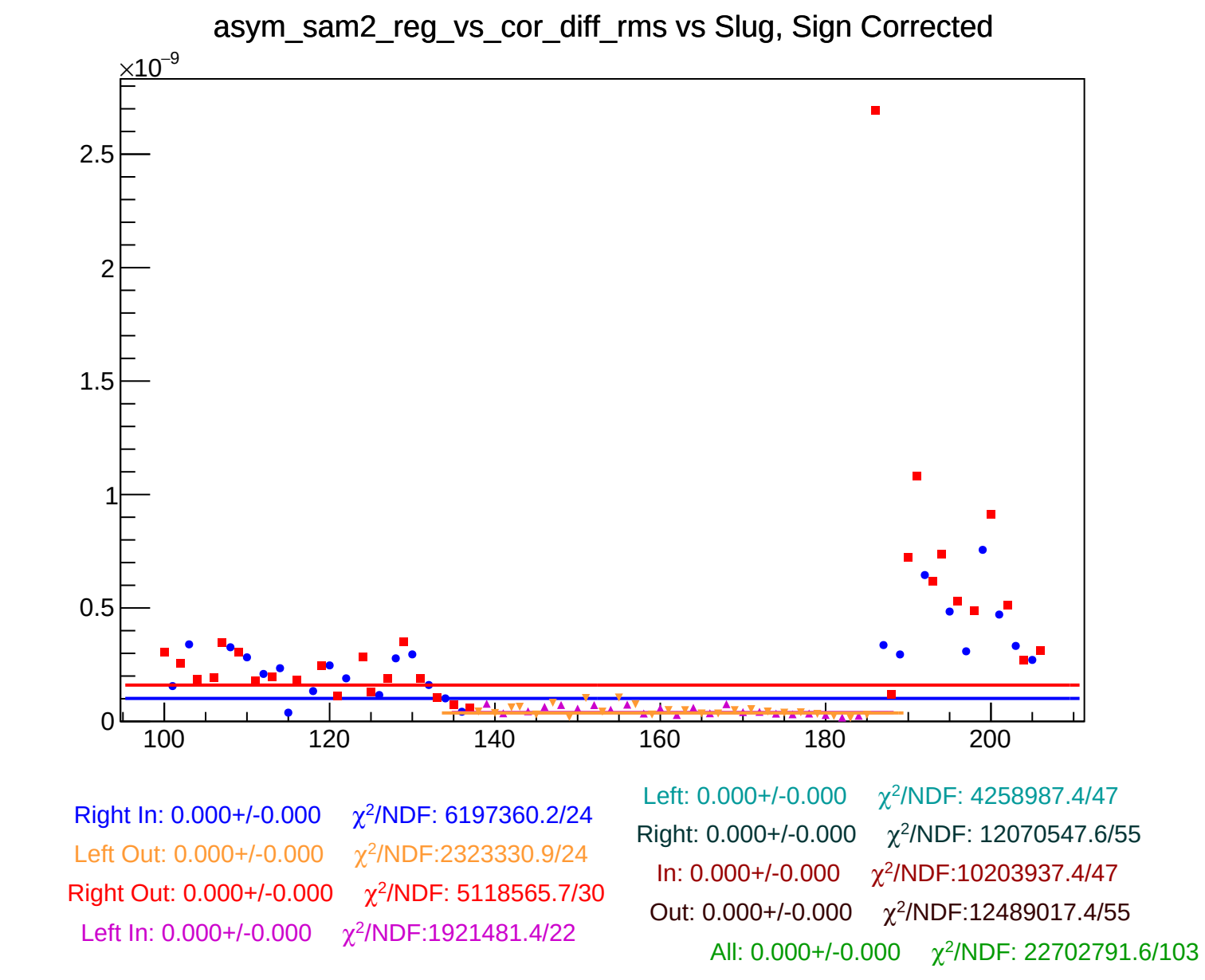
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

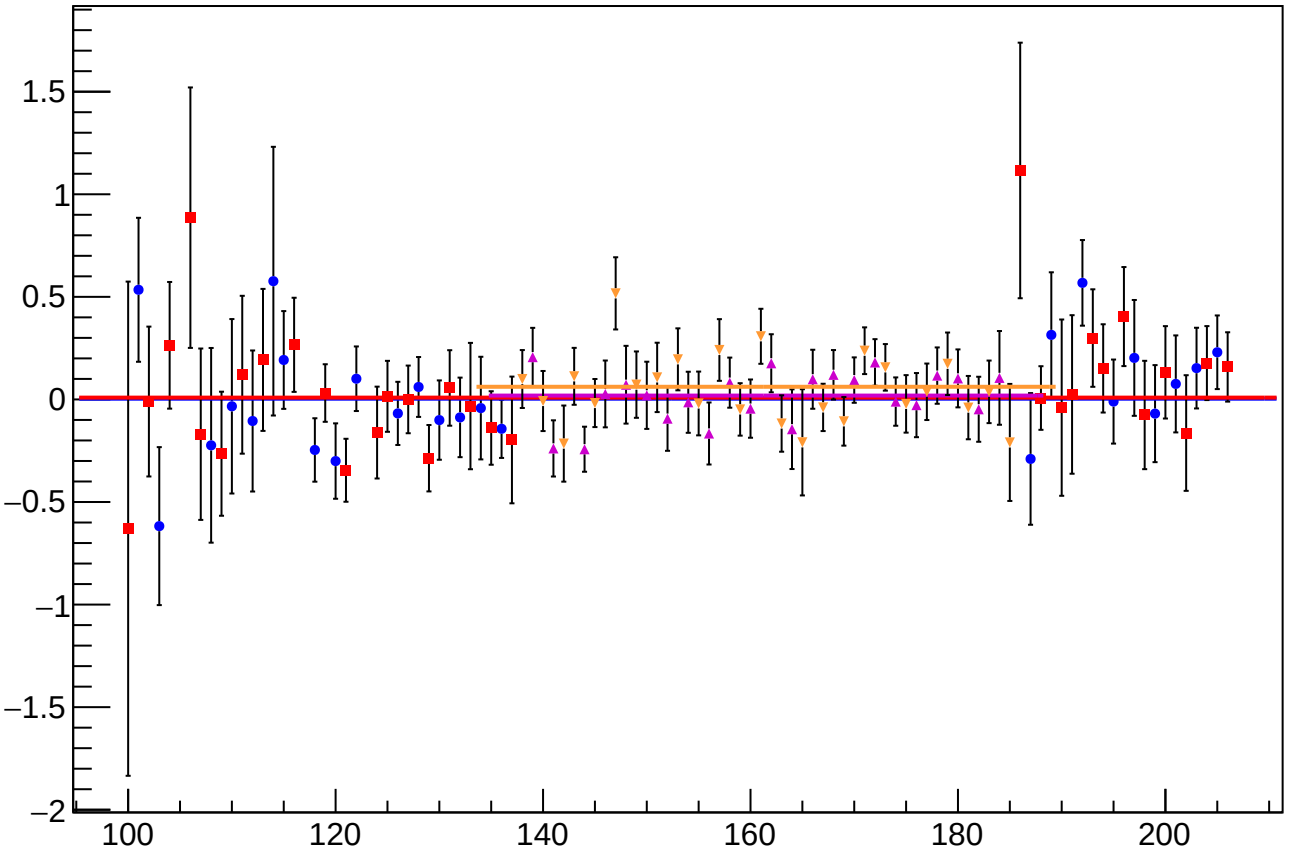
Right: -0.000+/-0.000 χ^2/NDF: 45.8/55

In: 0.000+/-0.000 χ^2/NDF:53.1/47

Out: 0.000+/-0.000 χ^2/NDF:46.3/55

All: 0.000+/-0.000 χ^2/NDF: 99.5/103


asym_sam2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6197360.2/24
Left Out: 0.000+/-0.000 χ²/NDF:2323330.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5118565.7/30
Left In: 0.000+/-0.000 χ²/NDF:1921481.4/22
Left: 0.000+/-0.000 χ²/NDF: 4258987.4/47
Right: 0.000+/-0.000 χ²/NDF: 12070547.6/55
In: 0.000+/-0.000 χ²/NDF:10203937.4/47
Out: 0.000+/-0.000 χ²/NDF:12489017.4/55
All: 0.000+/-0.000 χ²/NDF: 22702791.6/103



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

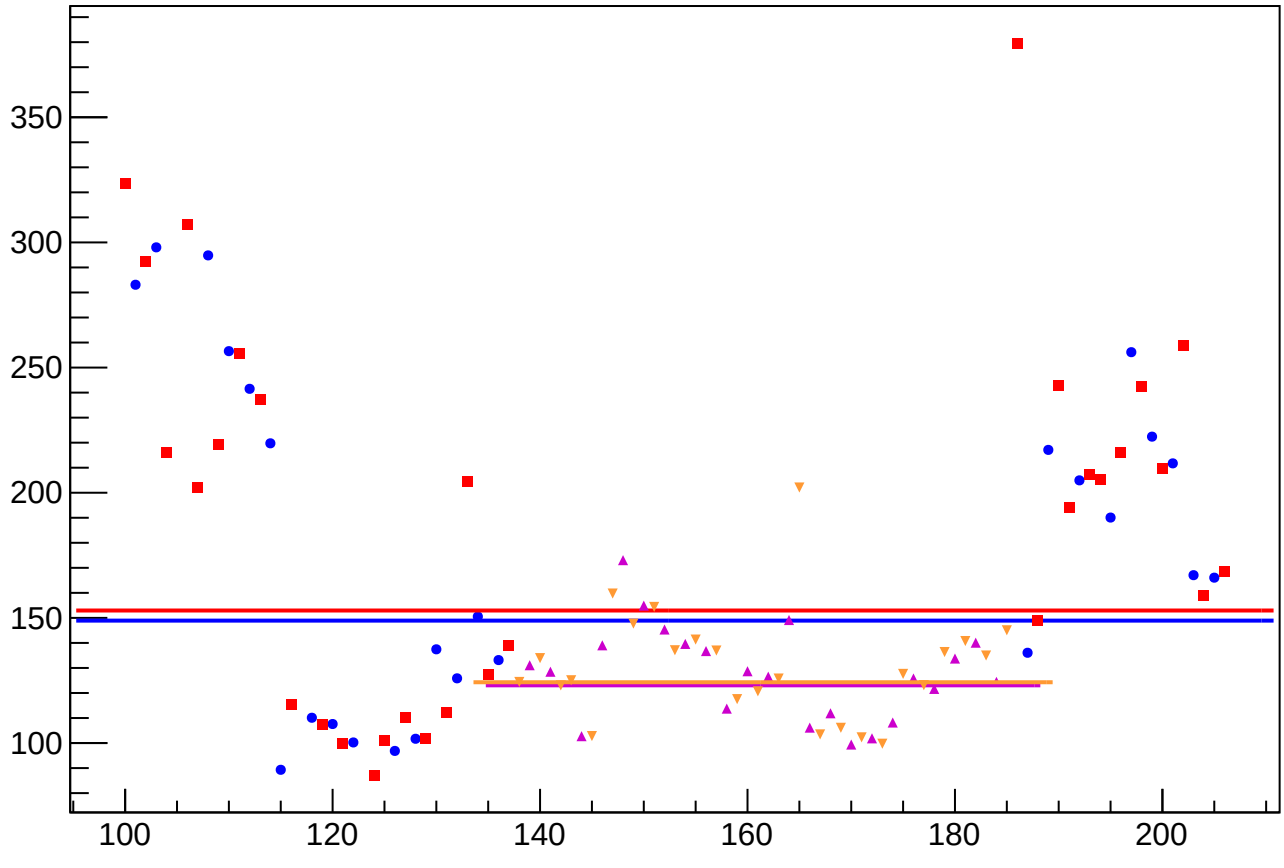
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.006+/-0.030 χ^2/NDF: 52.6/55

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.030+/-0.017 χ^2/NDF: 102.3/103



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

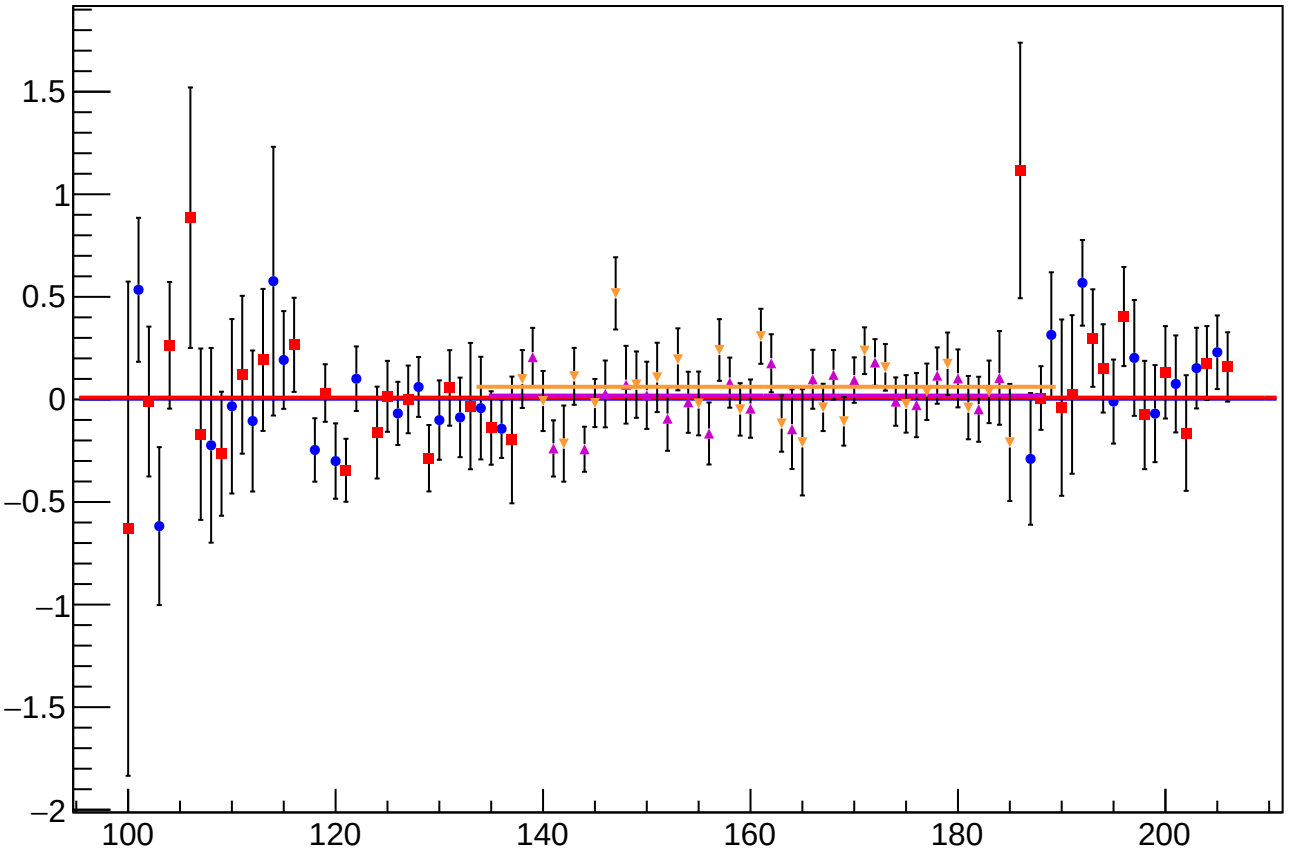
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.029+/-0.021 χ^2/NDF: 6815482.9/55

In: 131.319+/-0.017 χ^2/NDF:4321107.4/47

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.581+/-0.012 χ^2/NDF: 9533080.7/103



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

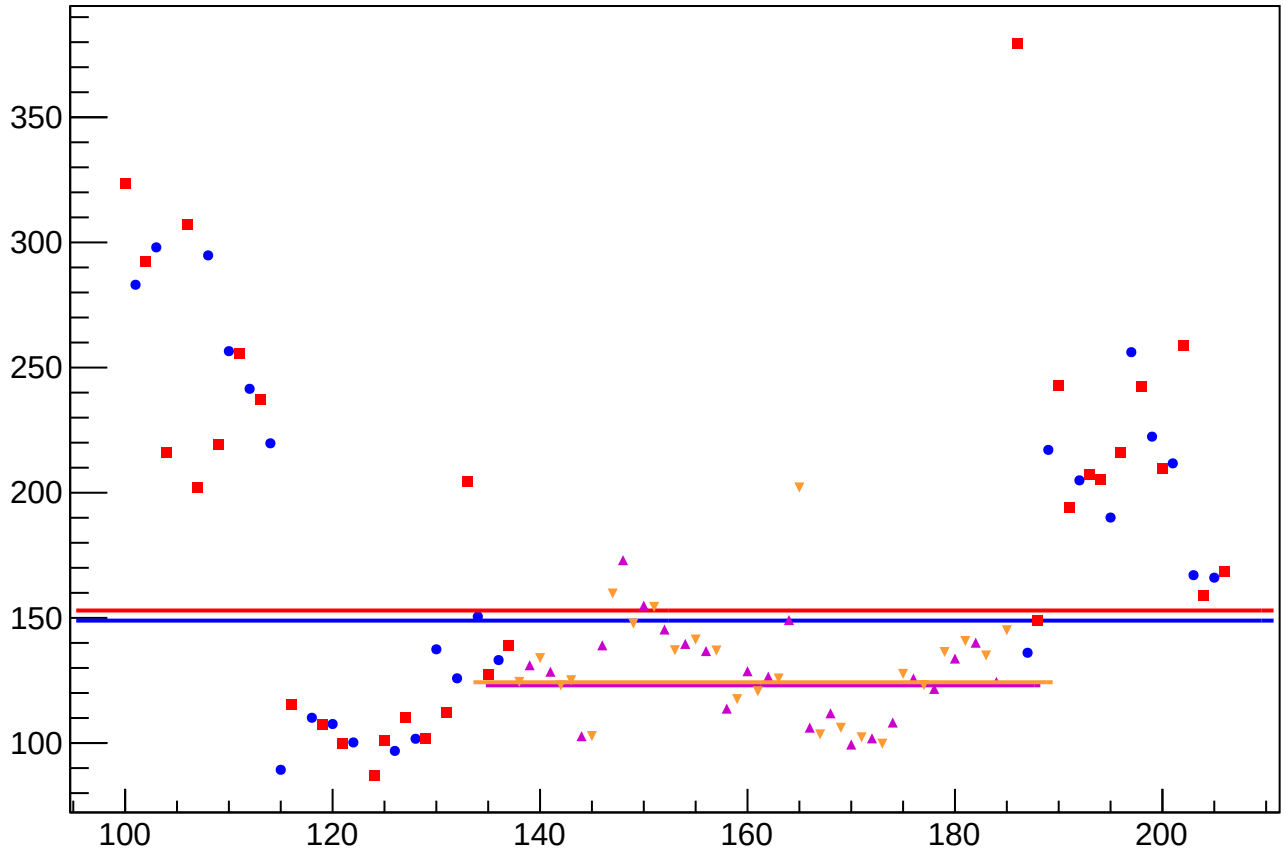
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.006+/-0.030 χ^2/NDF: 52.6/55

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.030+/-0.017 χ^2/NDF: 102.3/103



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

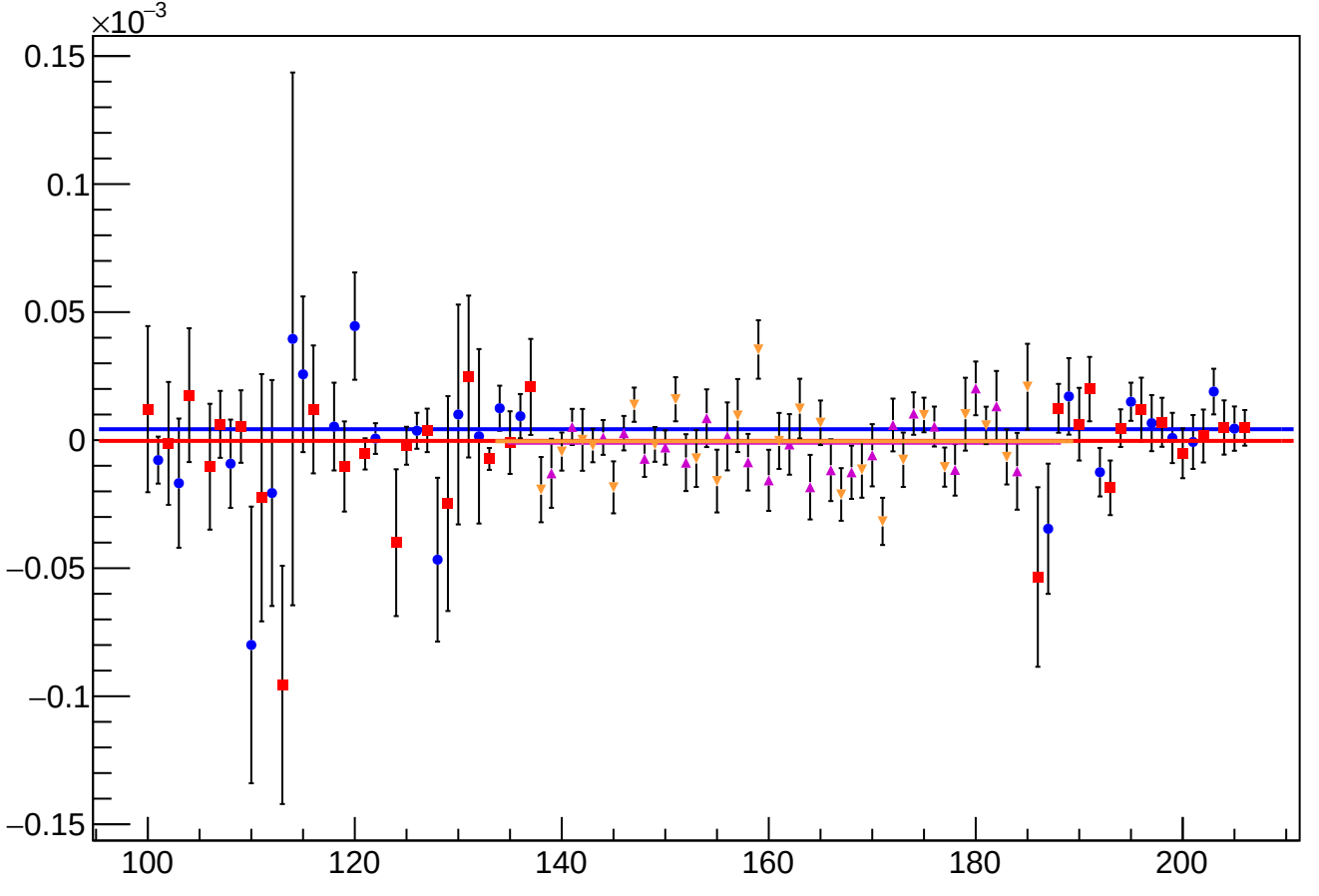
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.029+/-0.021 χ^2/NDF: 6815482.9/55

In: 131.319+/-0.017 χ^2/NDF:4321107.4/47

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.581+/-0.012 χ^2/NDF: 9533080.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

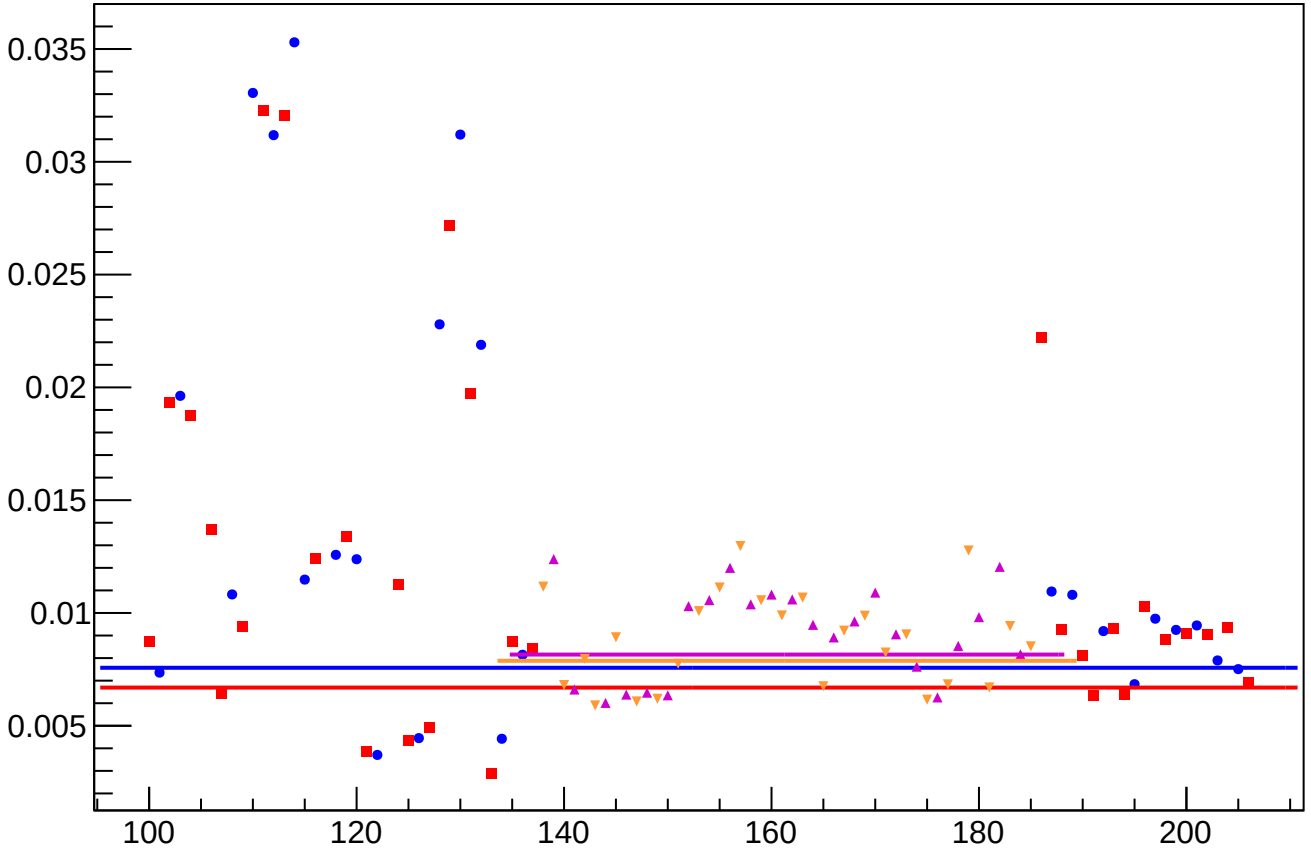
Right: 0.000+/-0.000 χ^2/NDF: 54.9/55

In: 0.000+/-0.000 χ^2/NDF:48.6/47

Out: -0.000+/-0.000 χ^2/NDF:79.4/55

All: 0.000+/-0.000 χ^2/NDF: 128.7/103

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 5311366.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7341589.1/30

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

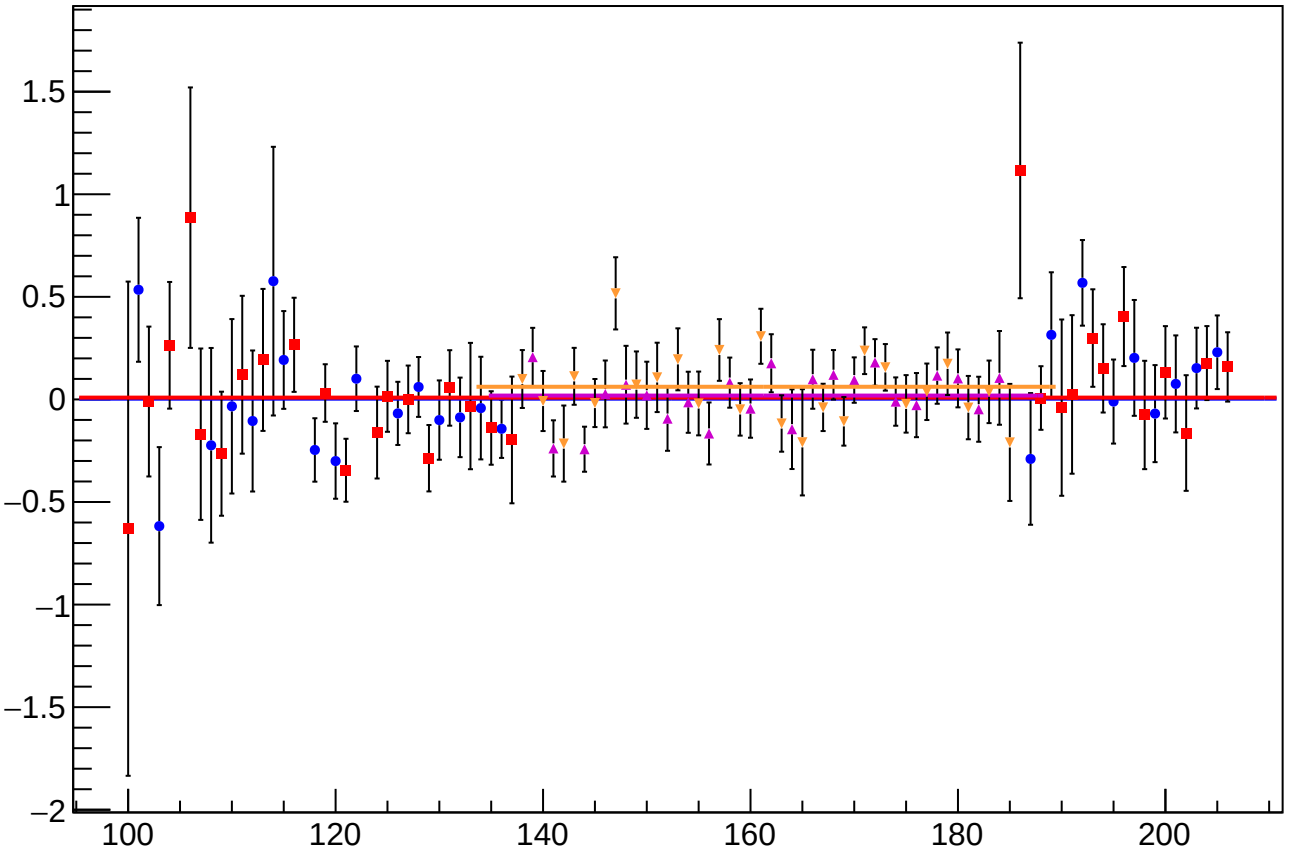
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12823894.2/55

In: 0.008+/-0.000 χ^2/NDF:7403547.1/47

Out: 0.007+/-0.000 χ^2/NDF:9810102.4/55

All: 0.008+/-0.000 χ^2/NDF: 17386725.2/103



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

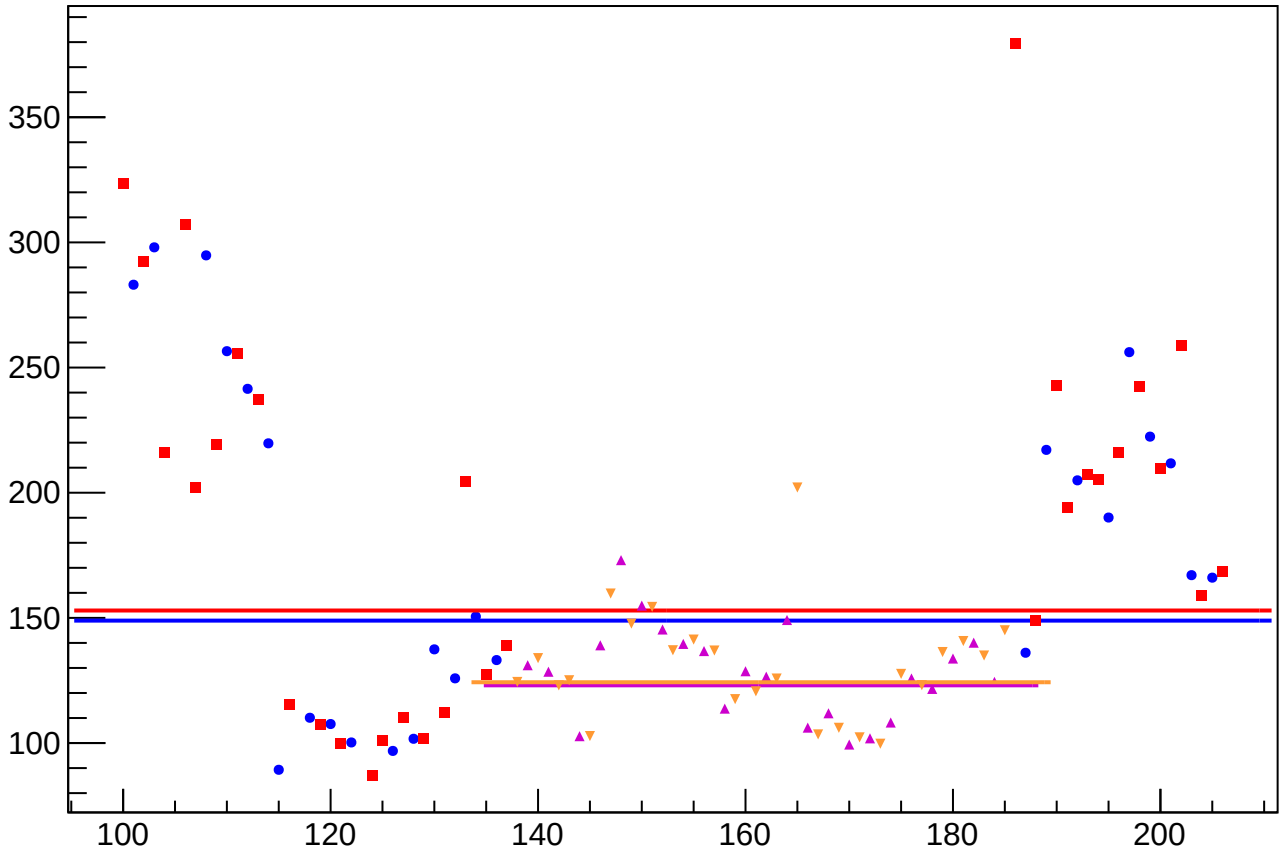
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.006+/-0.030 χ^2/NDF: 52.6/55

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.030+/-0.017 χ^2/NDF: 102.3/103



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

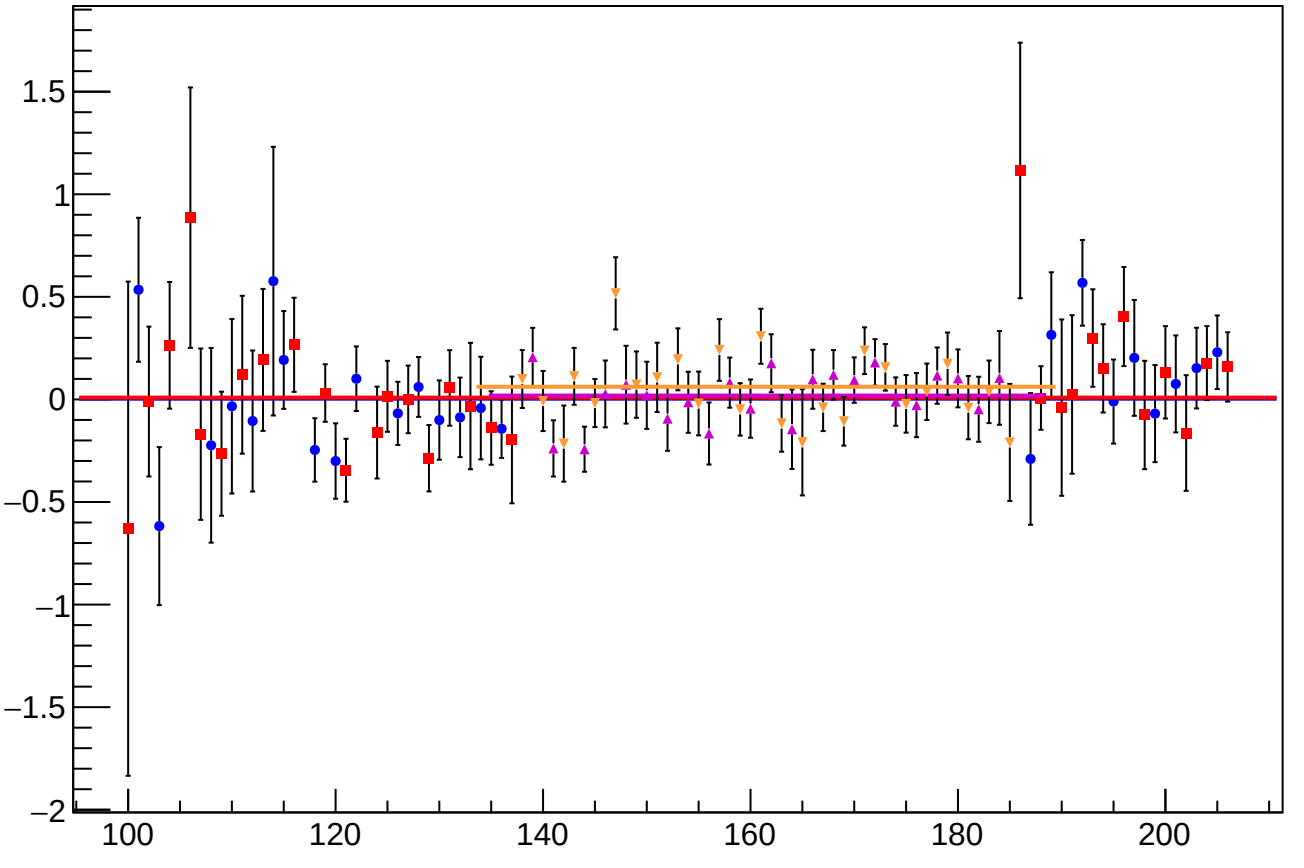
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 151.026+/-0.021 χ^2/NDF: 6815669.2/55

In: 131.318+/-0.017 χ^2/NDF:4321111.4/47

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.581+/-0.012 χ^2/NDF: 9533168.7/103



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

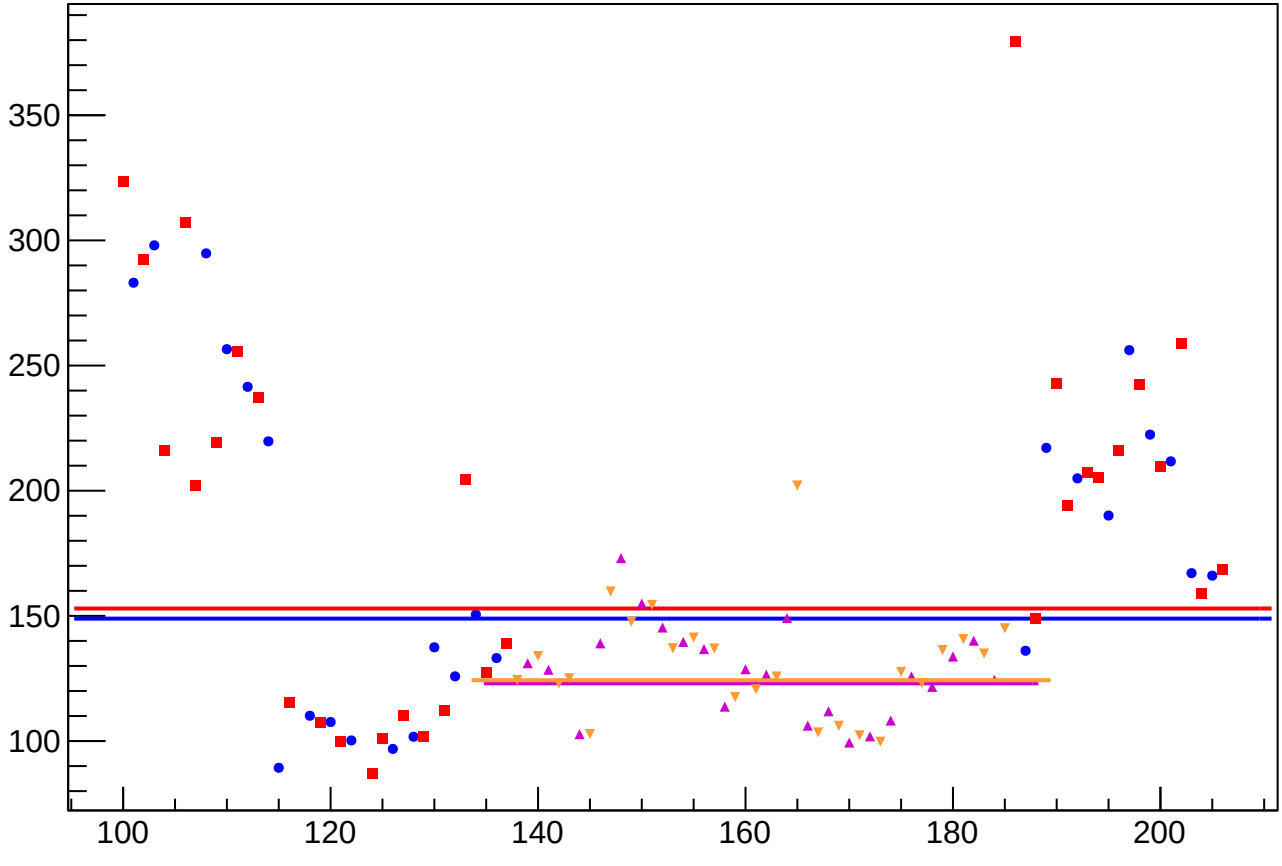
Right: 0.006+/-0.030 χ^2/NDF: 52.6/55

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.030+/-0.017 χ^2/NDF: 102.3/103

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

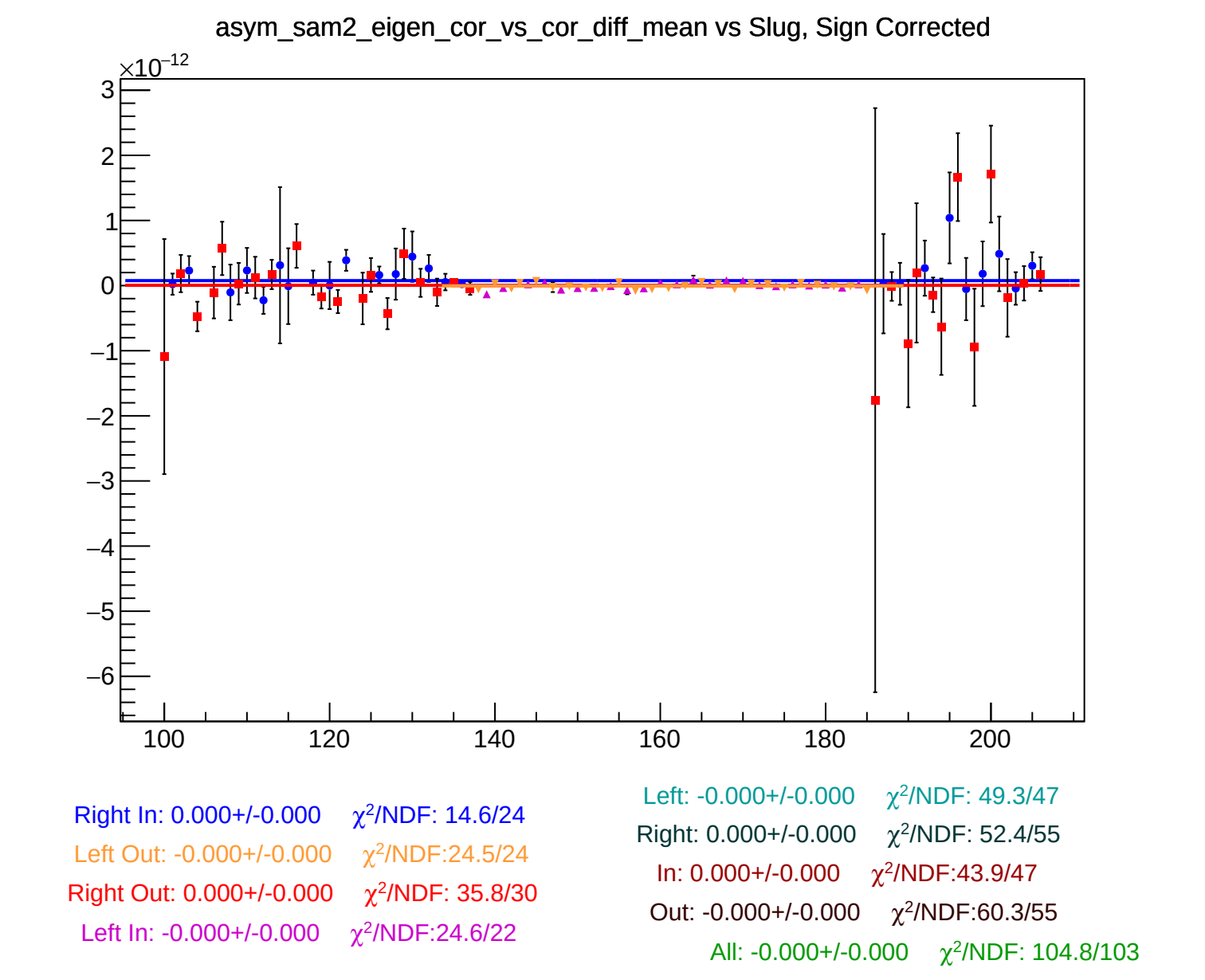
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 151.026+/-0.021 χ^2/NDF: 6815669.2/55

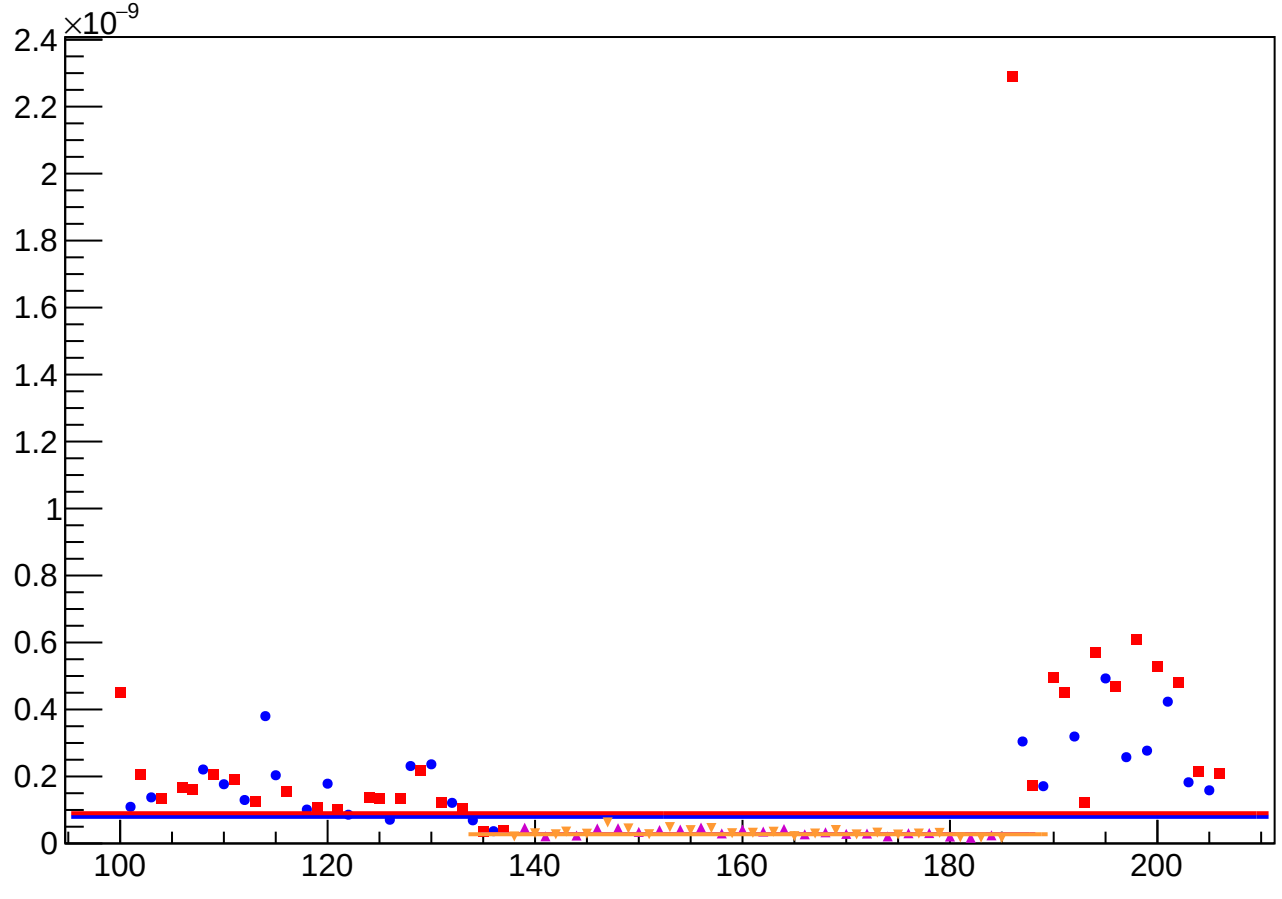
In: 131.318+/-0.017 χ^2/NDF:4321111.4/47

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.581+/-0.012 χ^2/NDF: 9533168.7/103


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 14.6/24
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/30
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 52.4/55
In: 0.000+/-0.000 χ²/NDF:43.9/47
Out: -0.000+/-0.000 χ²/NDF:60.3/55
All: -0.000+/-0.000 χ²/NDF: 104.8/103

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7039966.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9902038.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

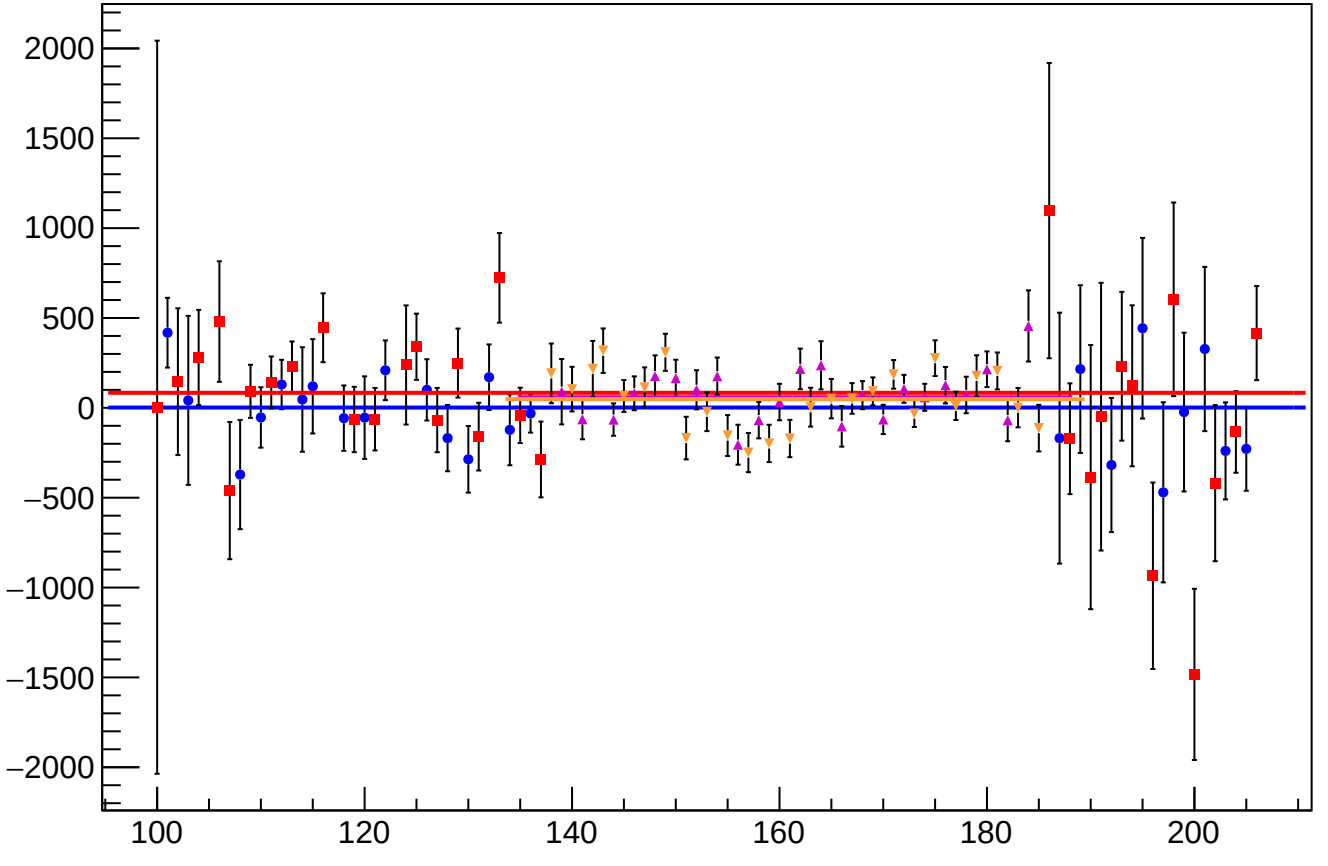
Right: 0.000+/-0.000 χ^2/NDF: 17032924.4/55

In: 0.000+/-0.000 χ^2/NDF:13379943.9/47

Out: 0.000+/-0.000 χ^2/NDF:17738417.1/55

All: 0.000+/-0.000 χ^2/NDF: 31128887.1/103

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 1.684+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.821+/-42.503 χ^2/NDF: 48.1/30

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

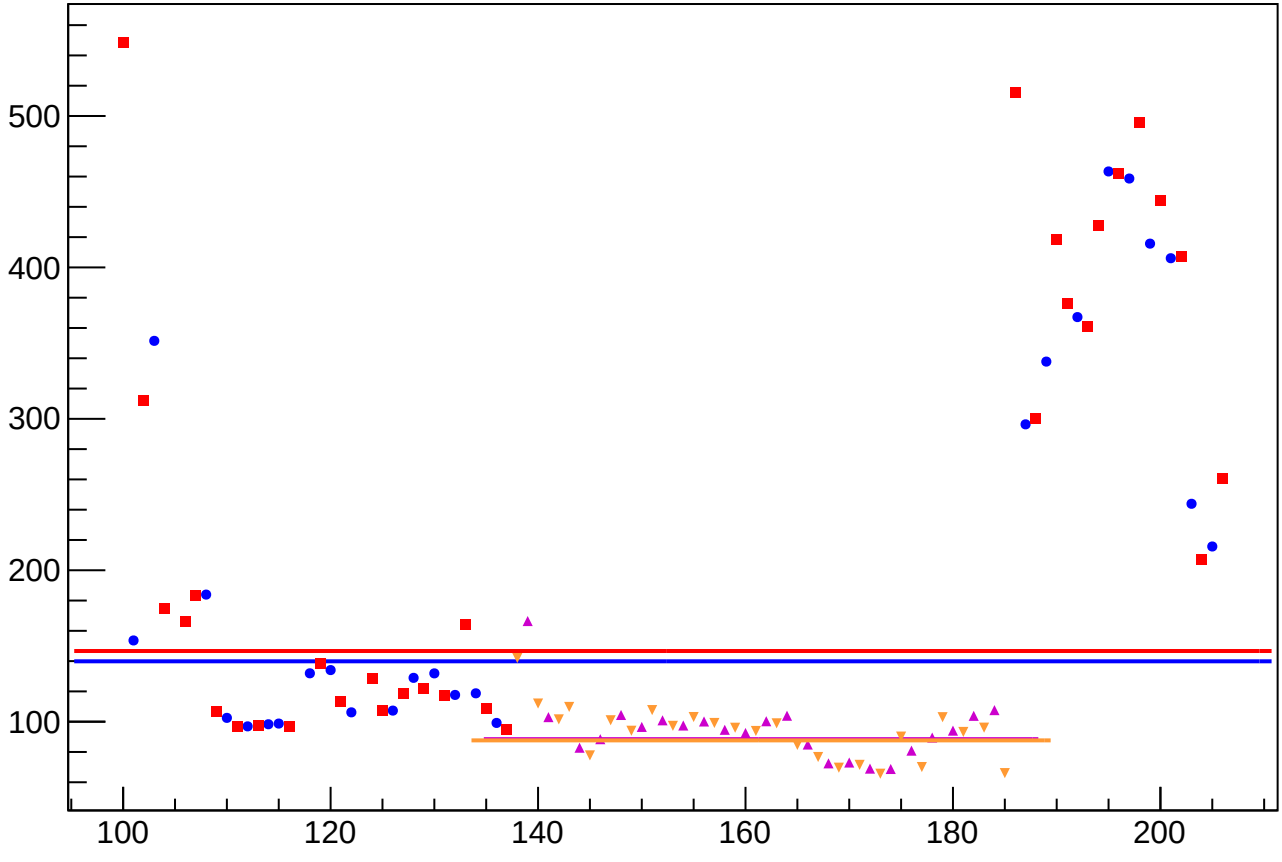
Right: 43.166+/-30.205 χ^2/NDF: 68.8/55

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 55.038+/-18.408 χ^2/NDF:102.2/55

All: 51.535+/-13.213 χ^2/NDF: 153.2/103

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.875+/-0.030 χ^2/NDF: 6162580.1/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.675+/-0.030 χ^2/NDF: 8052765.8/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

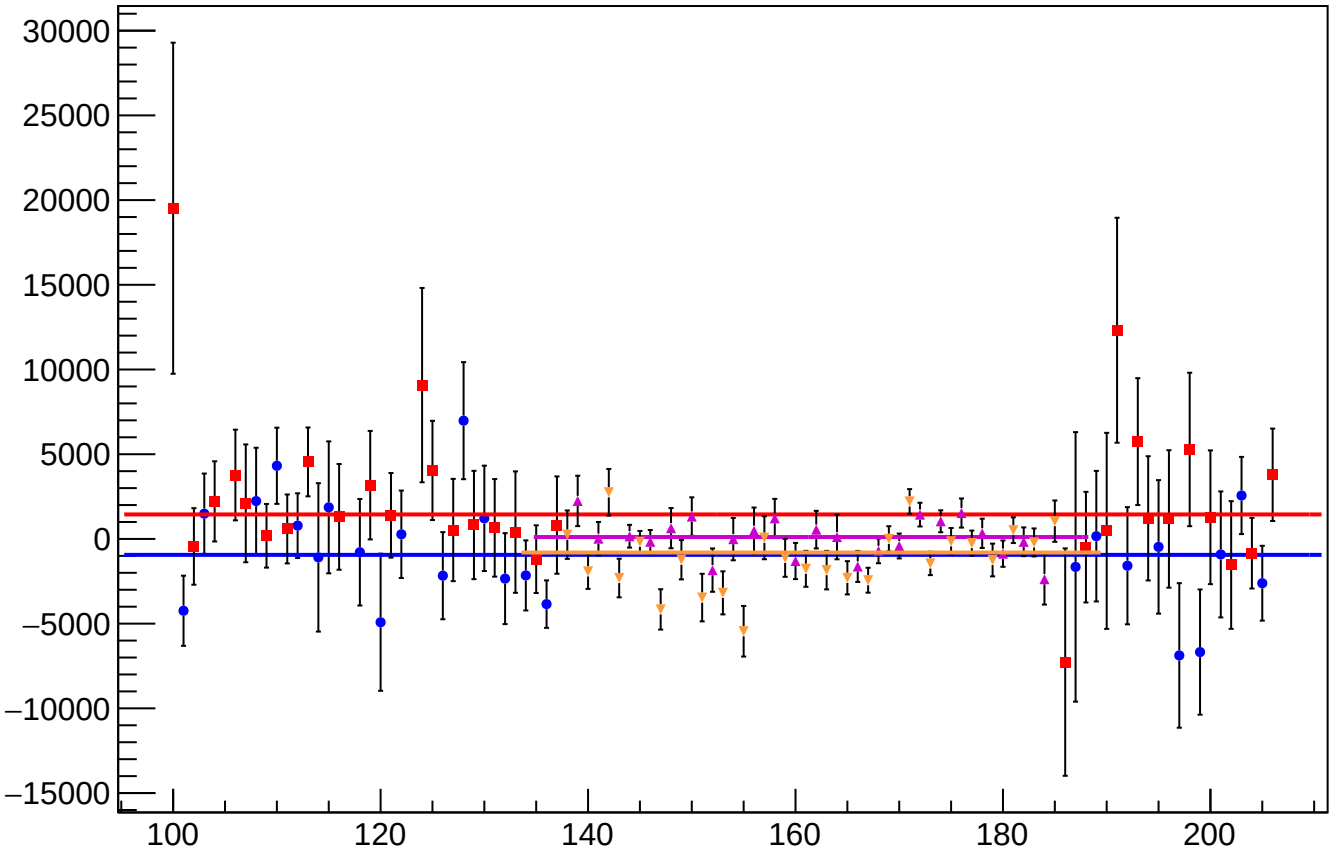
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 143.309+/-0.021 χ^2/NDF: 14240686.2/55

In: 98.524+/-0.013 χ^2/NDF:9544156.9/47

Out: 98.727+/-0.013 χ^2/NDF:12399044.1/55

All: 98.628+/-0.009 χ^2/NDF: 21943318.9/103



Right In: -940.392+/-537.250 χ^2/NDF: 30.9/24

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1445.544+/-528.283 χ^2/NDF: 22.3/30

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

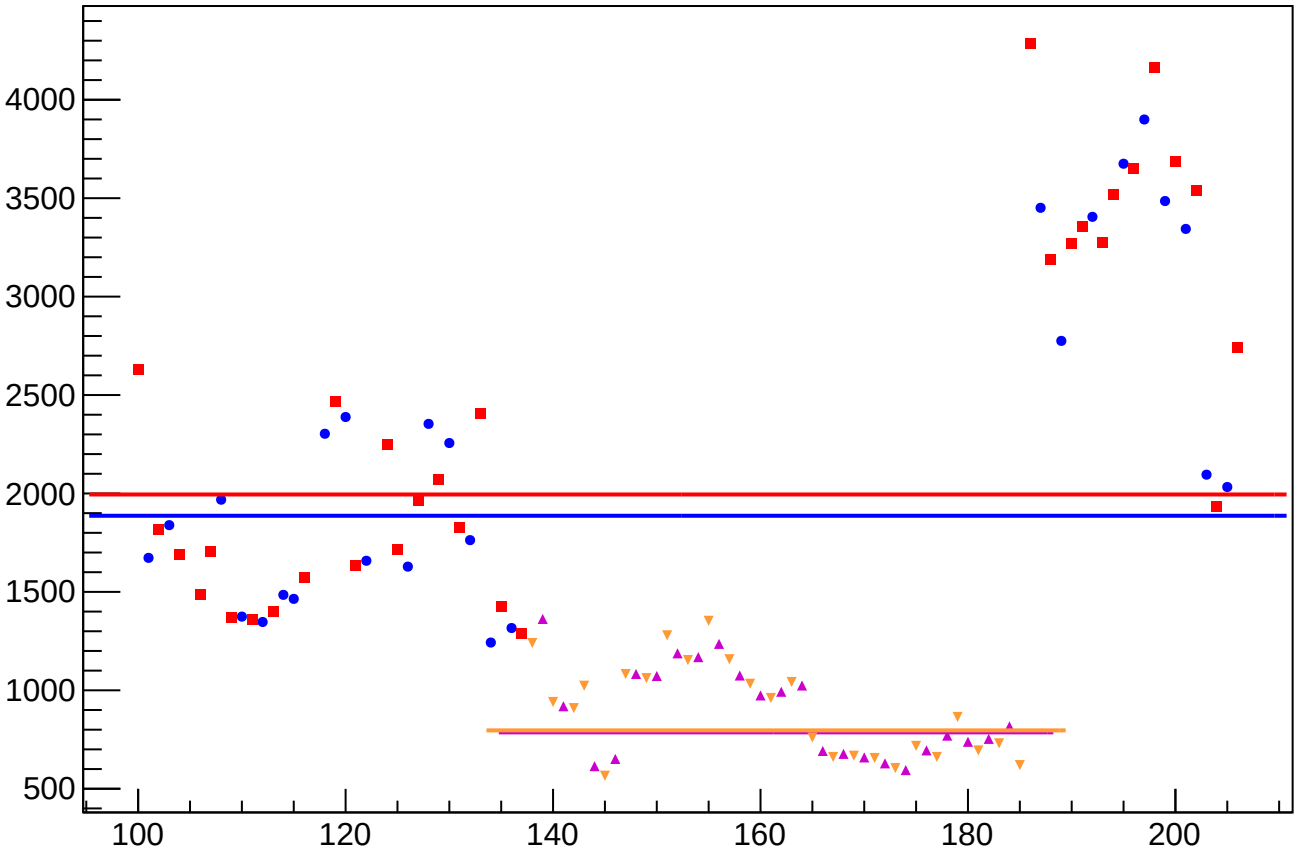
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 272.654+/-376.682 χ^2/NDF: 63.2/55

In: -4.857+/-179.354 χ^2/NDF:61.4/47

Out: -549.504+/-176.914 χ^2/NDF:110.2/55

All: -280.910+/-125.951 χ^2/NDF: 176.3/103



Right In: 1886.750+/-0.380 χ^2/NDF: 3156869.9/24

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1994.886+/-0.374 χ^2/NDF: 4099868.6/30

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

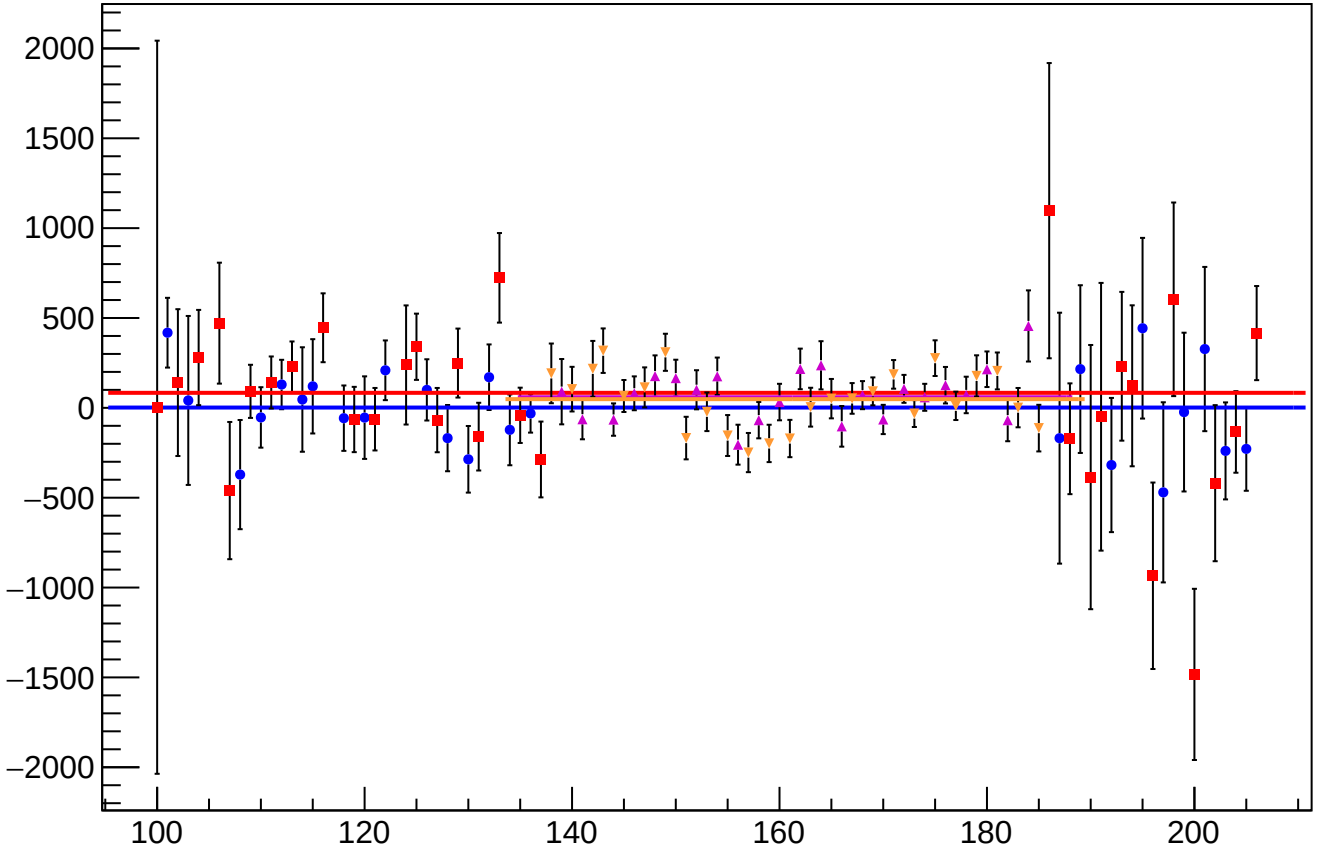
Right: 1941.728+/-0.266 χ^2/NDF: 7297933.4/55

In: 908.974+/-0.127 χ^2/NDF:12768890.6/47

Out: 930.918+/-0.125 χ^2/NDF:15654973.8/55

All: 920.096+/-0.089 χ^2/NDF: 28439039.1/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.576+/-42.505 χ^2/NDF: 48.0/30

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

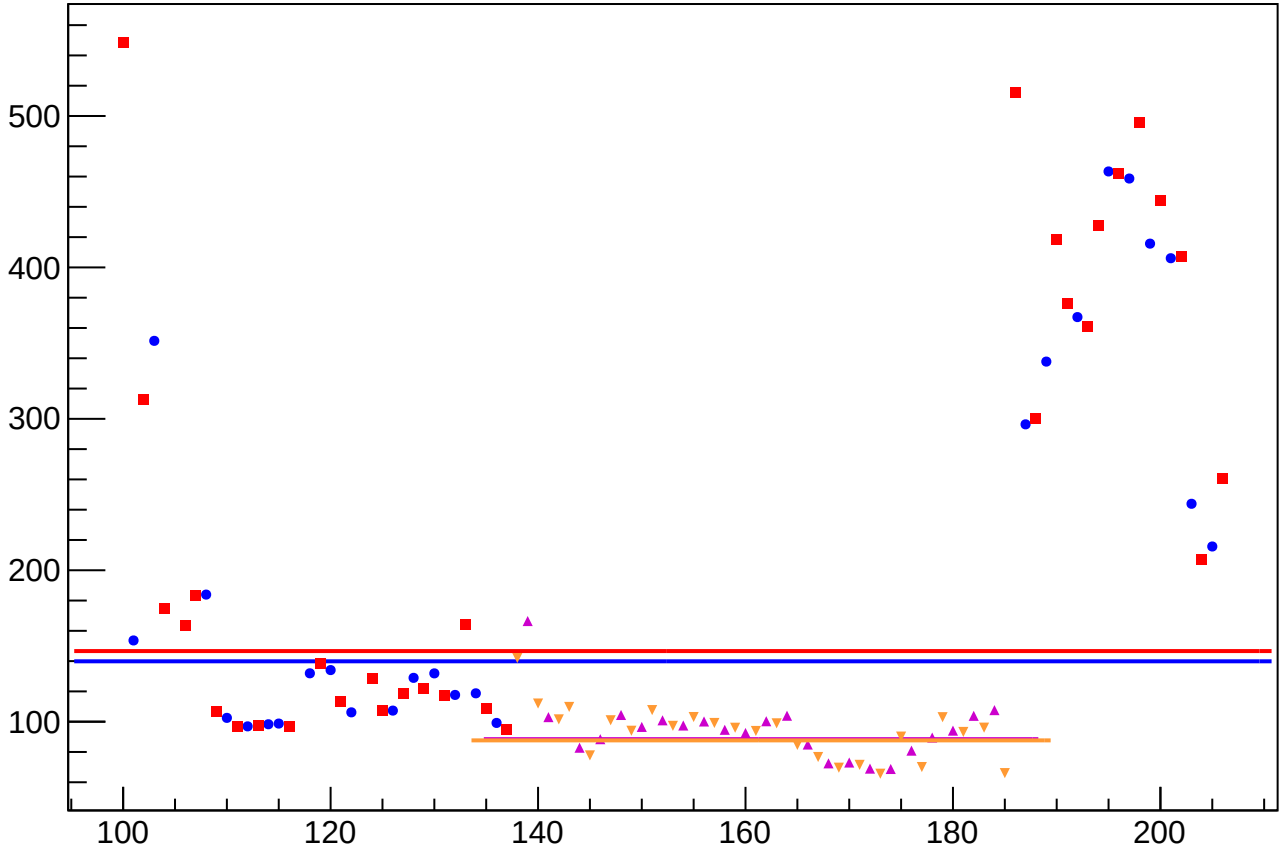
Right: 43.033+/-30.206 χ^2/NDF: 68.8/55

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 51.514+/-13.213 χ^2/NDF: 153.1/103

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

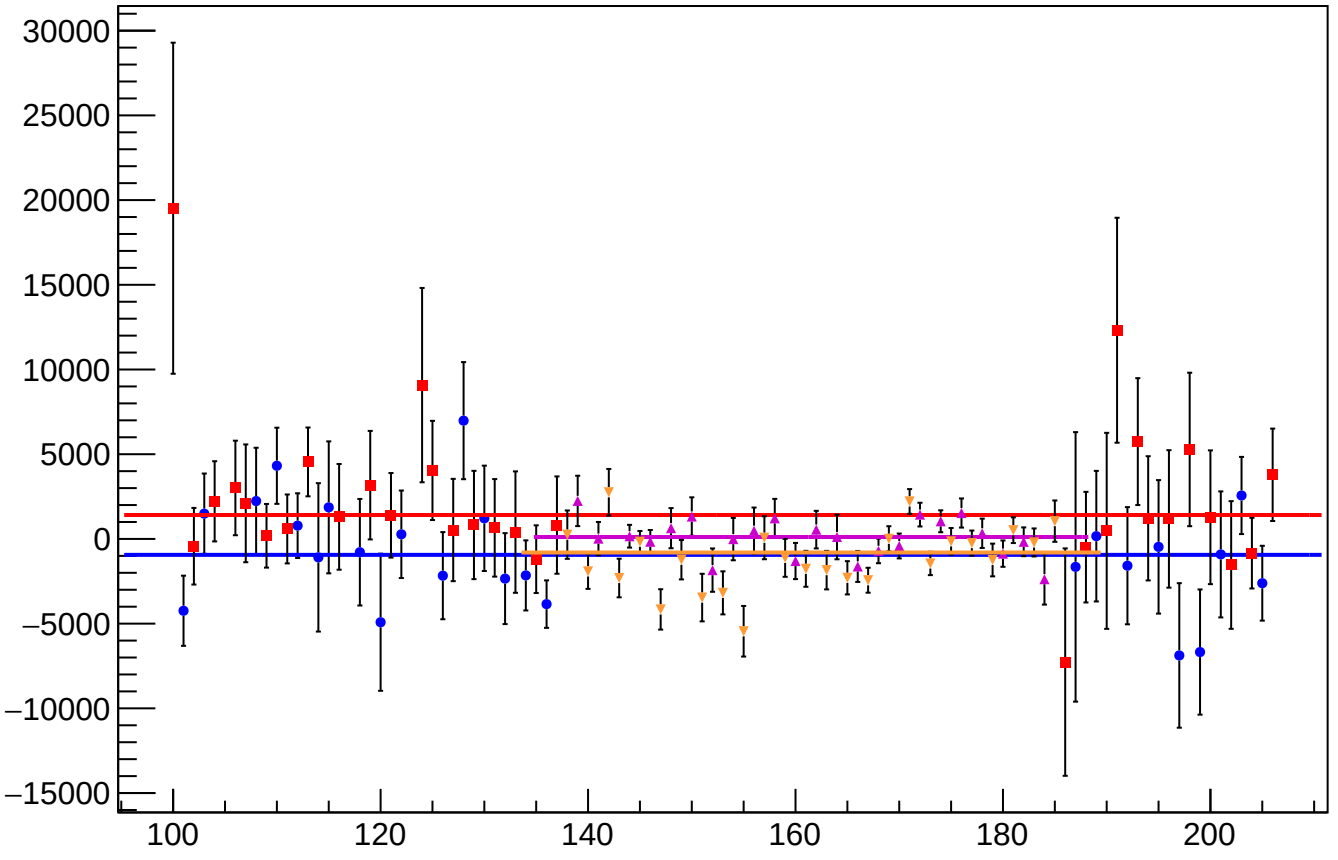
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 143.288+/-0.021 χ^2/NDF: 14238907.3/55

In: 98.524+/-0.013 χ^2/NDF:9544158.6/47

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 98.624+/-0.009 χ^2/NDF: 21937165.1/103



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

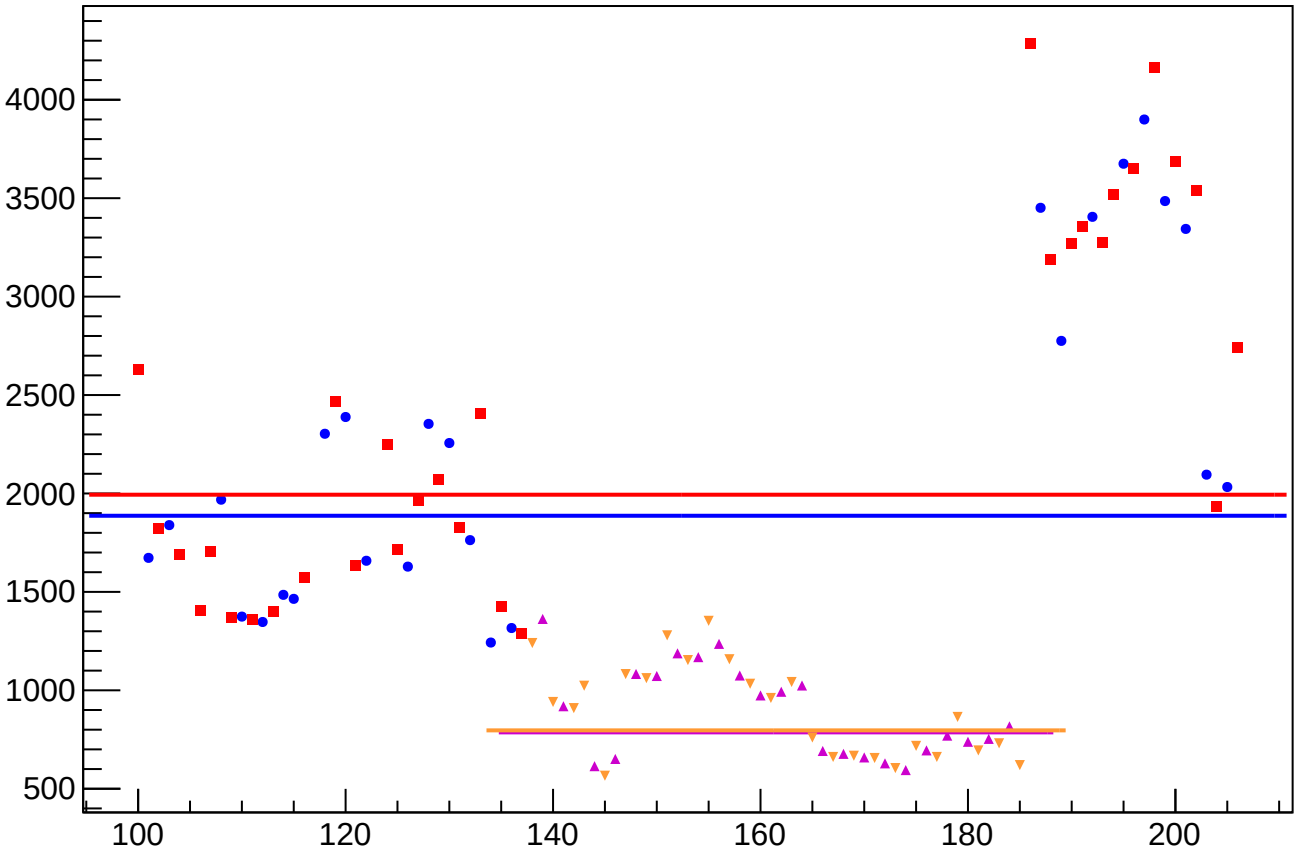
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 253.535+/-376.995 χ^2/NDF: 62.5/55

In: -4.853+/-179.354 χ^2/NDF:61.4/47

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -283.143+/-125.963 χ^2/NDF: 175.4/103



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

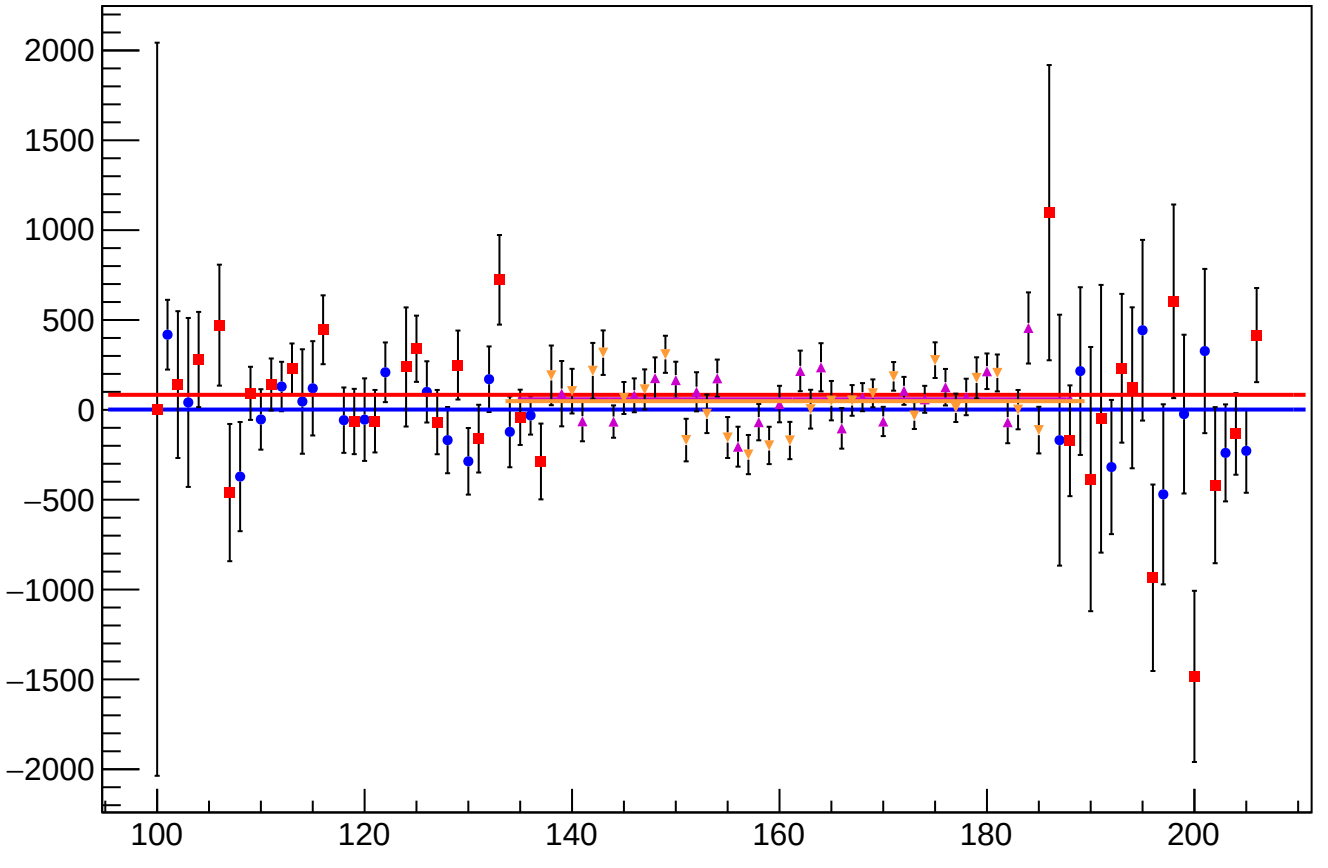
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1941.031+/-0.267 χ^2/NDF: 7313706.5/55

In: 908.974+/-0.127 χ^2/NDF:12768948.2/47

Out: 930.394+/-0.125 χ^2/NDF:15626977.5/55

All: 919.829+/-0.089 χ^2/NDF: 28410382.4/10



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.576+/-42.505 χ^2/NDF: 48.0/30

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

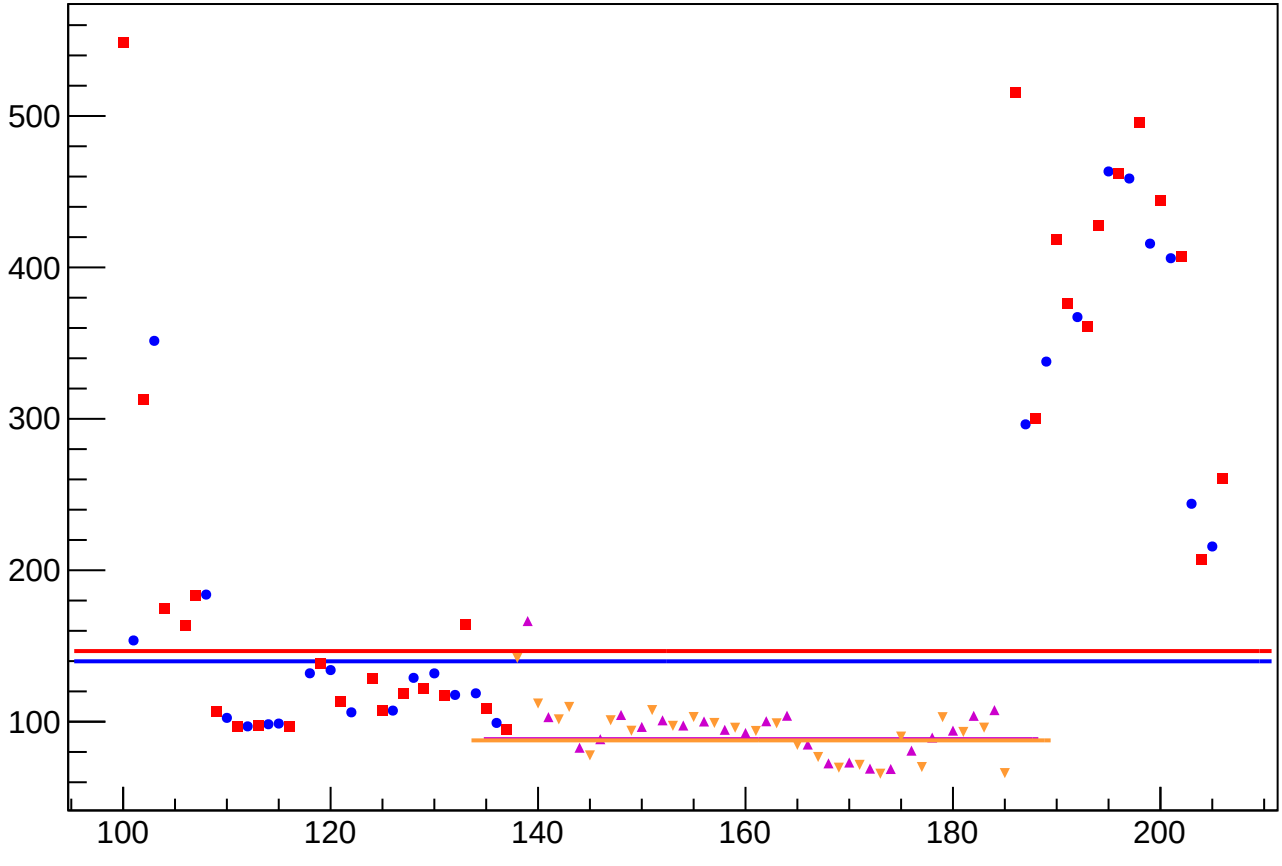
Right: 43.033+/-30.206 χ^2/NDF: 68.8/55

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 51.514+/-13.213 χ^2/NDF: 153.1/103

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

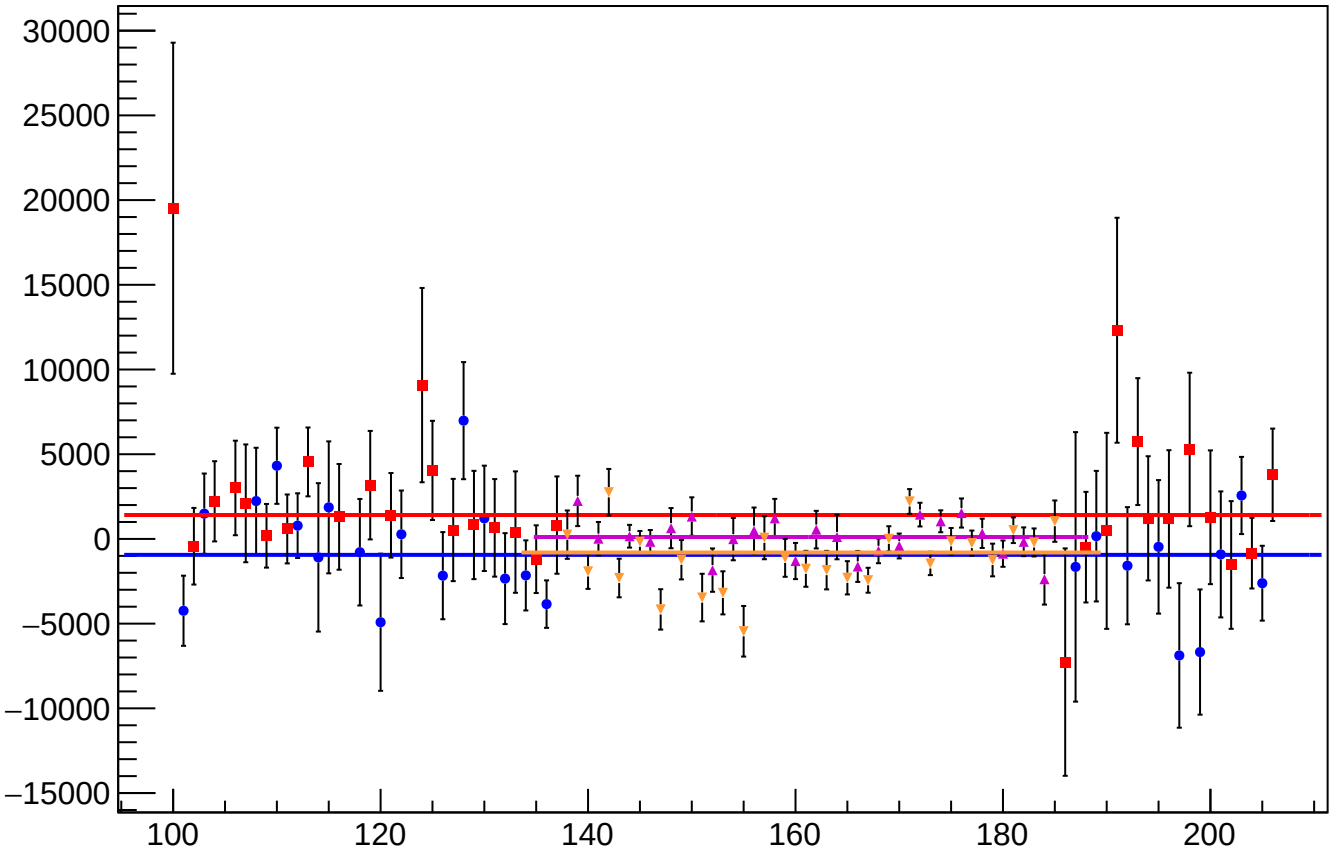
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 143.288+/-0.021 χ^2/NDF: 14238907.3/55

In: 98.524+/-0.013 χ^2/NDF:9544158.6/47

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 98.624+/-0.009 χ^2/NDF: 21937165.1/103



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

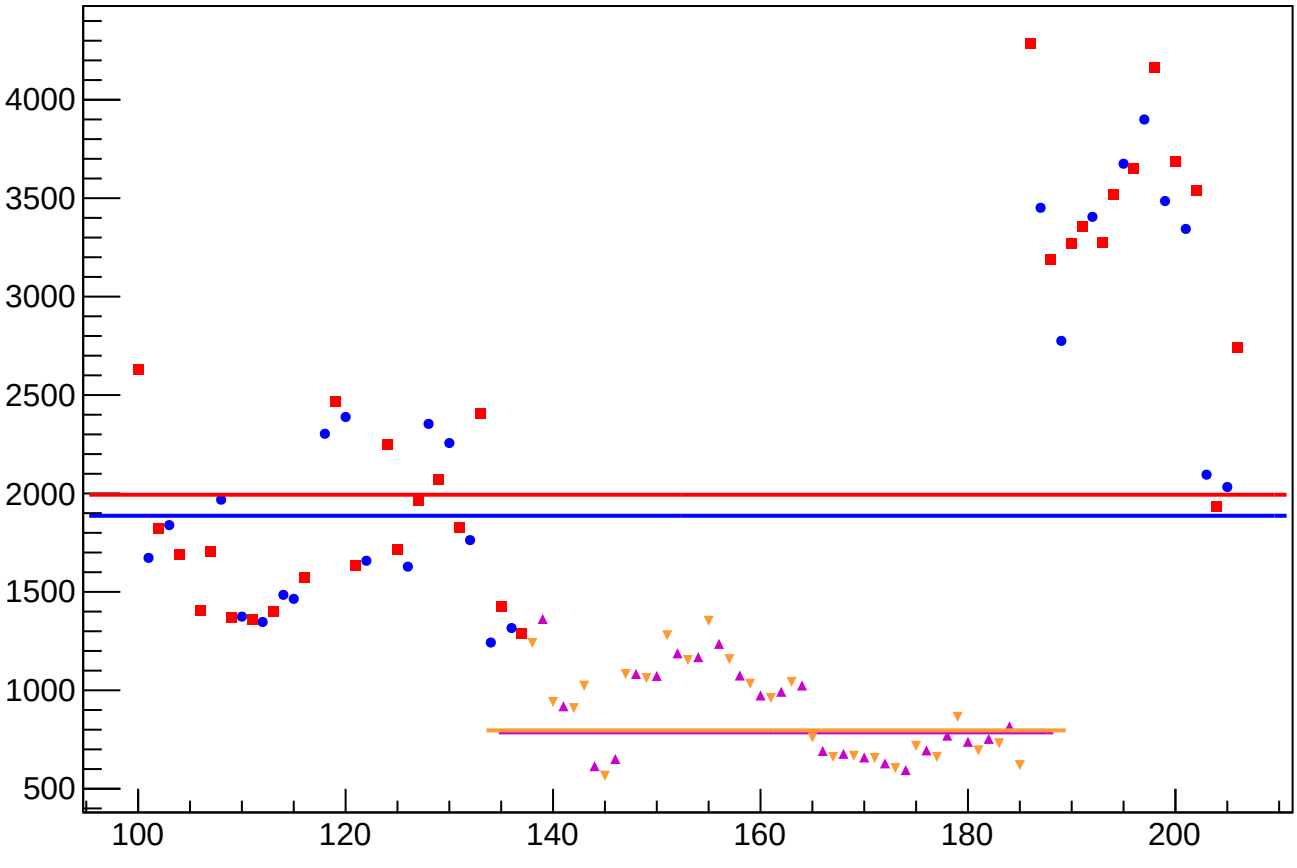
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 253.535+/-376.995 χ^2/NDF: 62.5/55

In: -4.853+/-179.354 χ^2/NDF:61.4/47

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -283.143+/-125.963 χ^2/NDF: 175.4/103



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

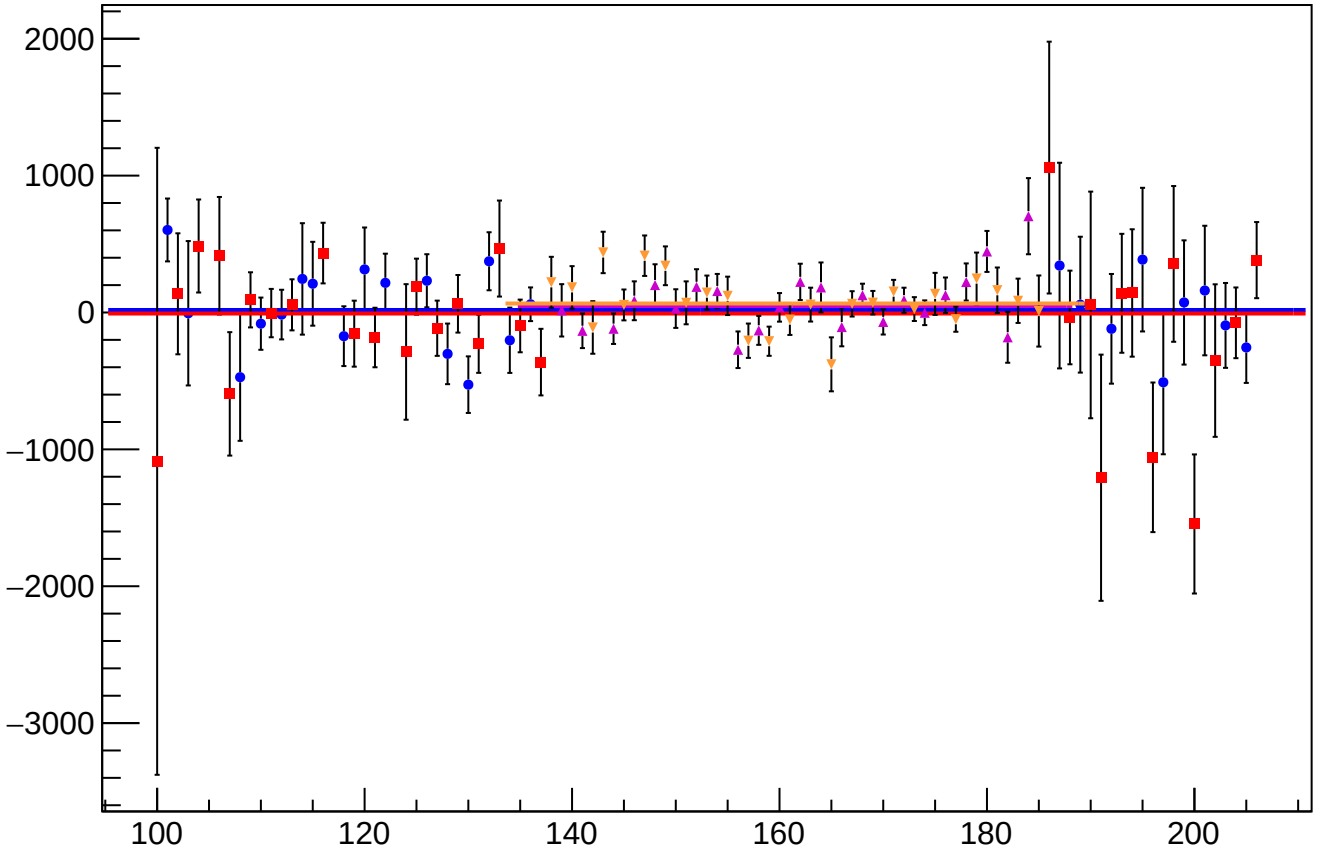
Right: 1941.031+/-0.267 χ^2/NDF: 7313706.5/55

In: 908.974+/-0.127 χ^2/NDF:12768948.2/47

Out: 930.394+/-0.125 χ^2/NDF:15626977.5/55

All: 919.829+/-0.089 χ^2/NDF: 28410382.4/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.250+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -7.539+/-51.189 χ^2/NDF: 36.4/30

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

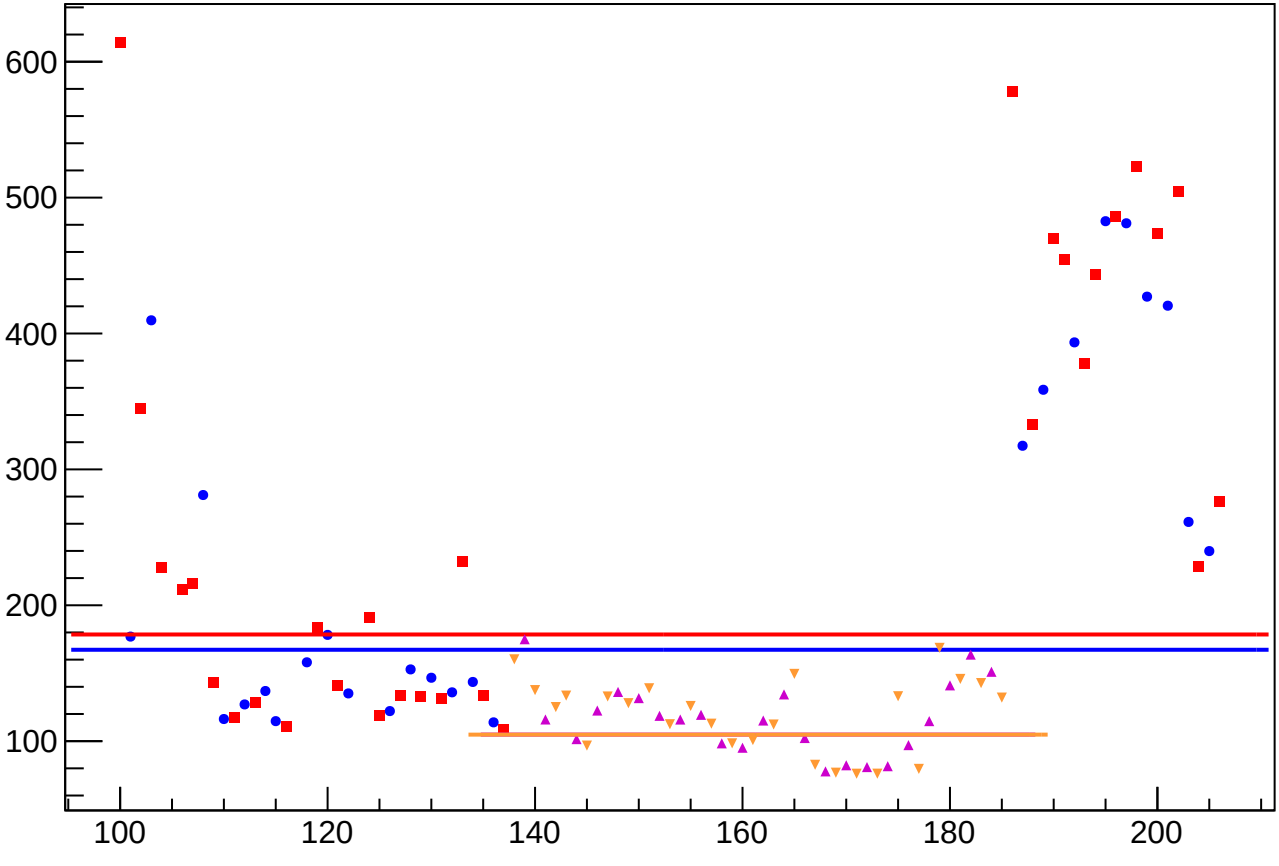
Right: 5.423+/-36.102 χ^2/NDF: 64.9/55

In: 41.196+/-22.941 χ^2/NDF:67.3/47

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 46.468+/-16.066 χ^2/NDF: 145.5/103

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 167.258+/-0.036 χ^2/NDF: 5504018.5/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234549.9/30

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

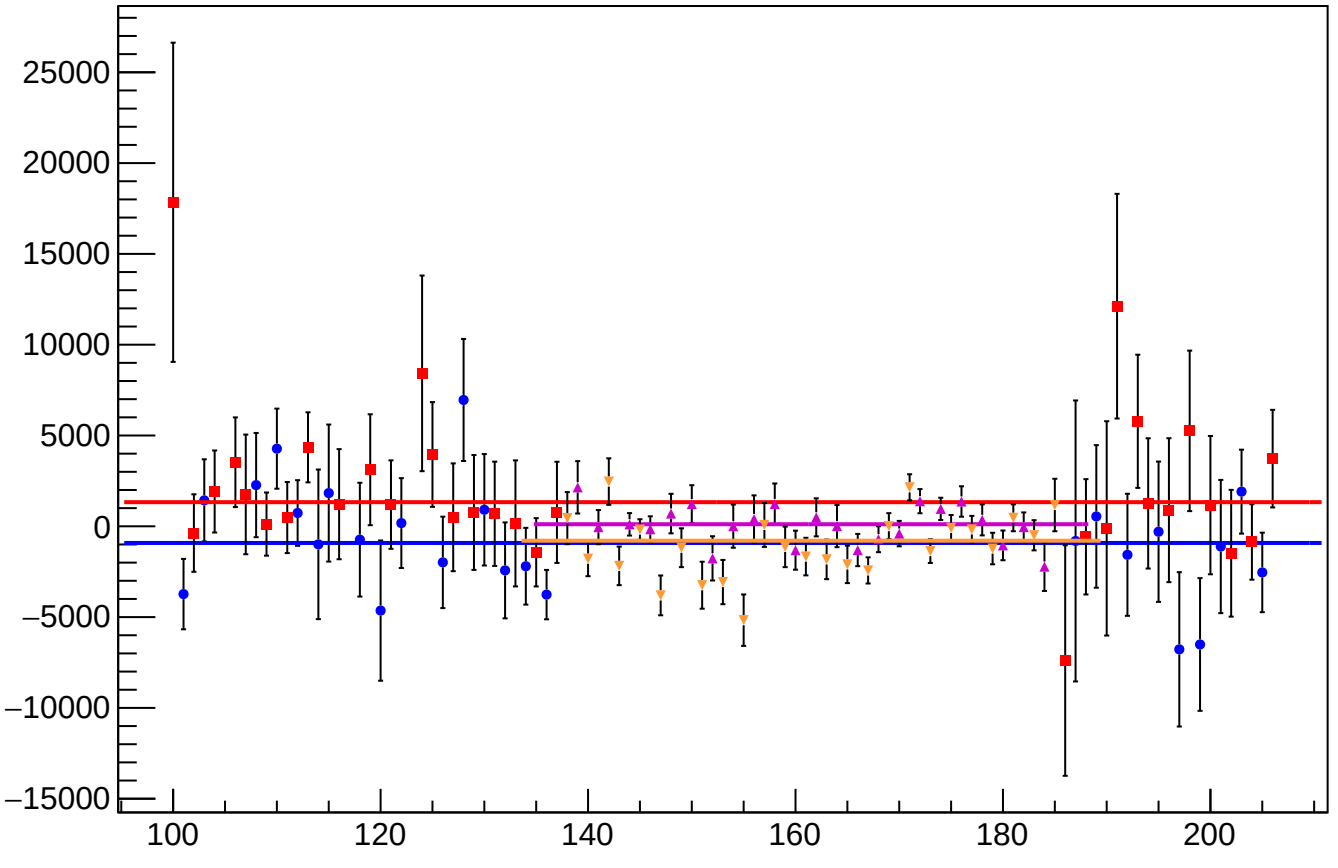
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 172.853+/-0.026 χ^2/NDF: 12787118.4/55

In: 117.504+/-0.016 χ^2/NDF:9513915.3/47

Out: 119.057+/-0.016 χ^2/NDF:12821456.4/55

All: 118.295+/-0.011 χ^2/NDF: 22340046.5/10



Right In: -917.378+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1328.929+/-507.587 χ^2/NDF: 23.7/30

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

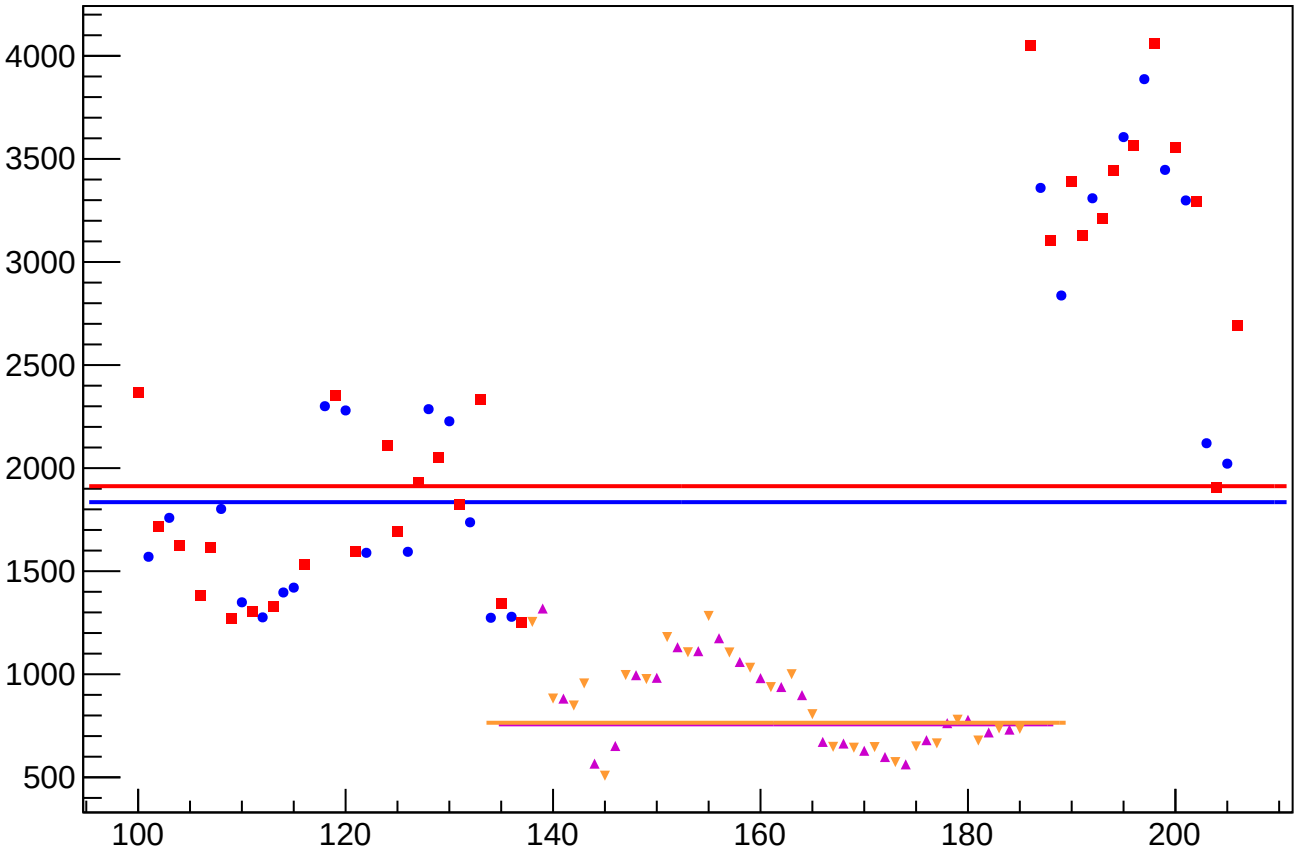
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 239.631+/-364.288 χ^2/NDF: 63.3/55

In: 1.124+/-172.841 χ^2/NDF:59.8/47

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -282.911+/-121.041 χ^2/NDF: 174.4/103



Right In: 1834.897+/-0.370 χ^2/NDF: 3262753.9/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1912.413+/-0.359 χ^2/NDF: 4265911.7/30

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

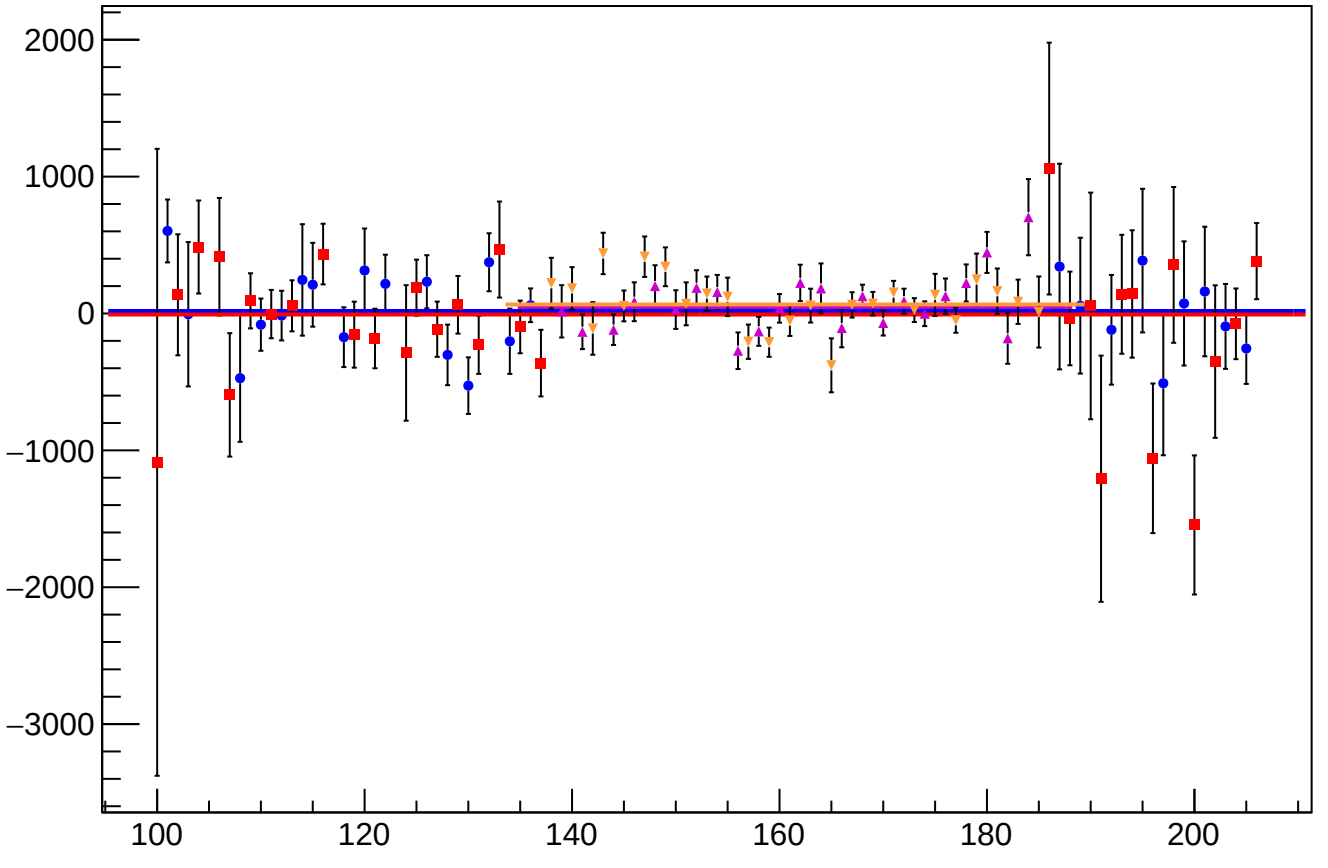
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1874.823+/-0.258 χ^2/NDF: 7551284.3/55

In: 874.603+/-0.122 χ^2/NDF:12943393.2/47

Out: 892.807+/-0.120 χ^2/NDF:15775130.7/55

All: 883.879+/-0.086 χ^2/NDF: 28729828.3/10



Right In: 18.249+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -7.542+/-51.189 χ^2/NDF: 36.4/30

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

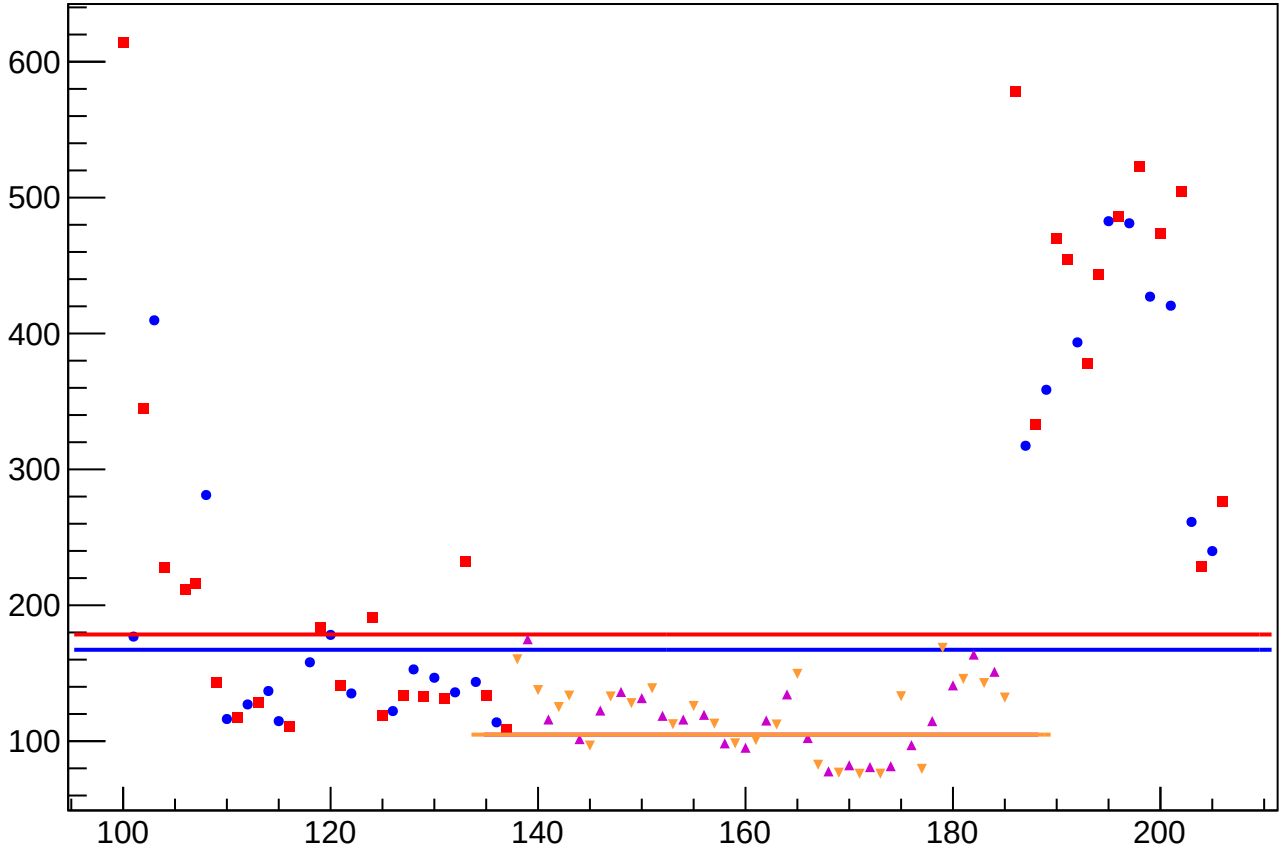
Right: 5.421+/-36.102 χ^2/NDF: 64.9/55

In: 41.195+/-22.941 χ^2/NDF:67.3/47

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 46.468+/-16.066 χ^2/NDF: 145.5/103

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 167.258+/-0.036 χ^2/NDF: 5504012.0/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234537.3/30

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

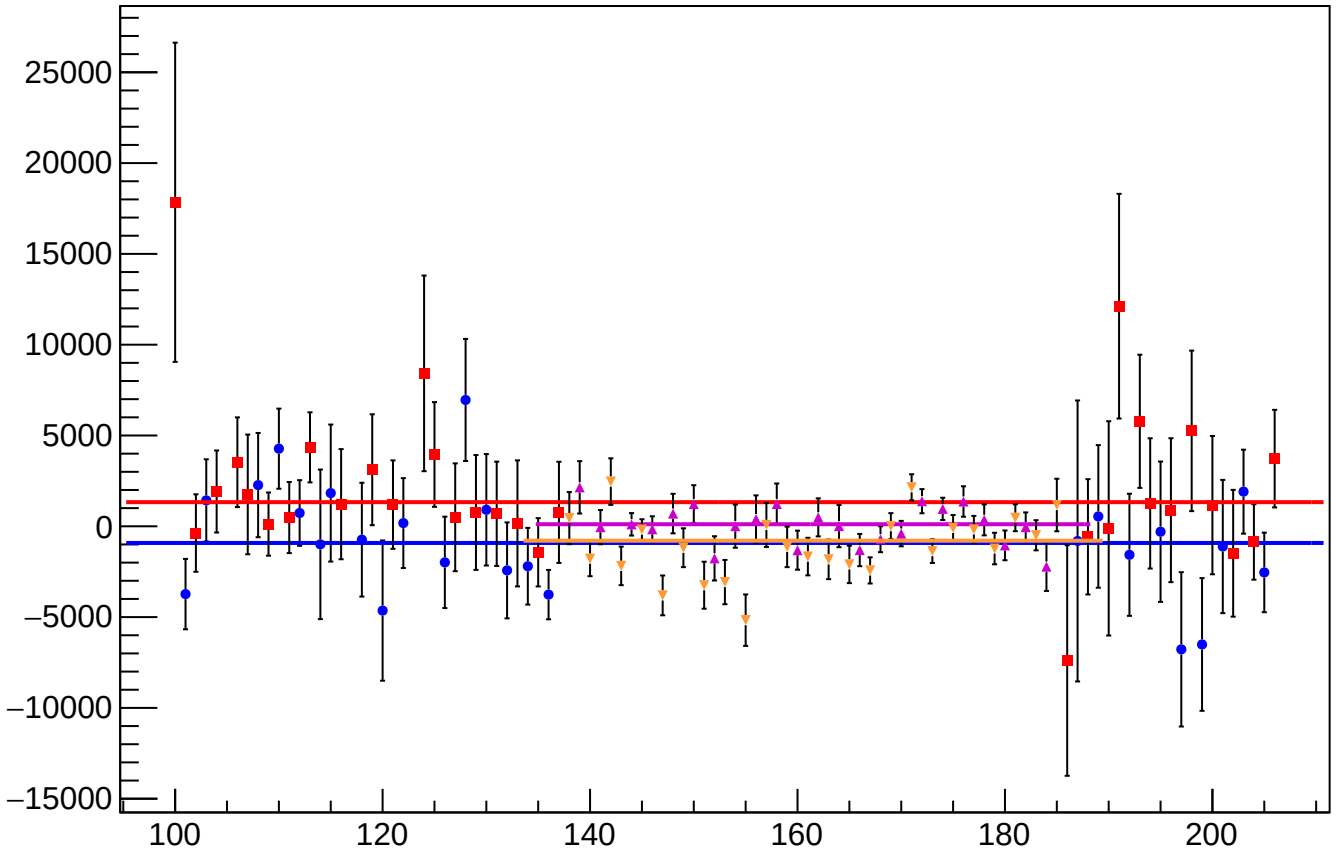
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 172.854+/-0.026 χ^2/NDF: 12787101.3/55

In: 117.504+/-0.016 χ^2/NDF:9513909.6/47

Out: 119.058+/-0.016 χ^2/NDF:12821467.4/55

All: 118.296+/-0.011 χ^2/NDF: 22340052.3/10



Right In: -917.376+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1328.929+/-507.587 χ^2/NDF: 23.7/30

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

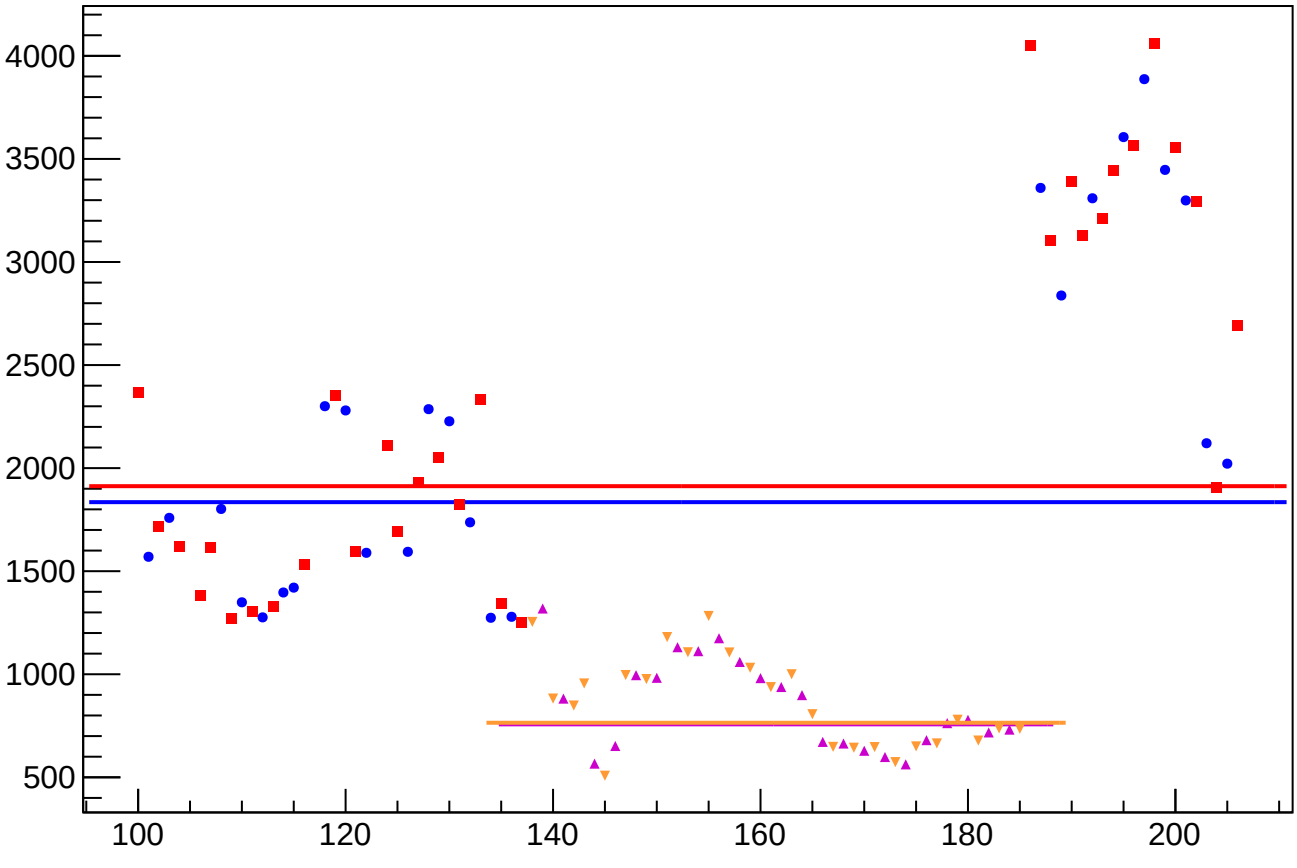
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 239.632+/-364.287 χ^2/NDF: 63.3/55

In: 1.124+/-172.841 χ^2/NDF:59.8/47

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -282.911+/-121.041 χ^2/NDF: 174.4/103



Right In: 1834.895+/-0.370 χ^2/NDF: 3262753.3/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1912.410+/-0.359 χ^2/NDF: 4265911.3/30

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

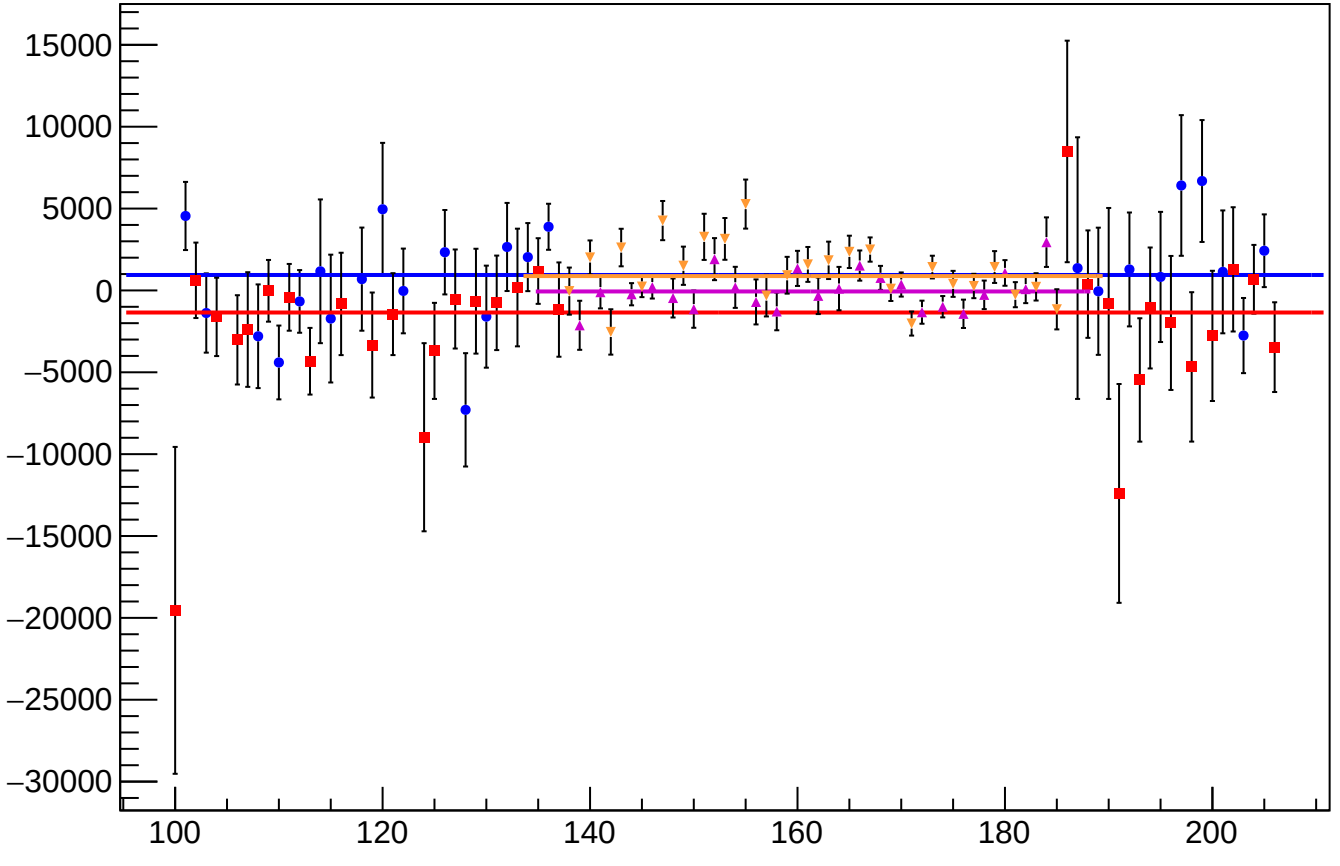
Right: 1874.821+/-0.258 χ^2/NDF: 7551282.8/55

In: 874.603+/-0.122 χ^2/NDF:12943387.6/47

Out: 892.806+/-0.120 χ^2/NDF:15775116.4/55

All: 883.879+/-0.086 χ^2/NDF: 28729808.4/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 943.638+/-540.001 χ^2/NDF: 32.0/24

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1348.751+/-531.306 χ^2/NDF: 21.2/30

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

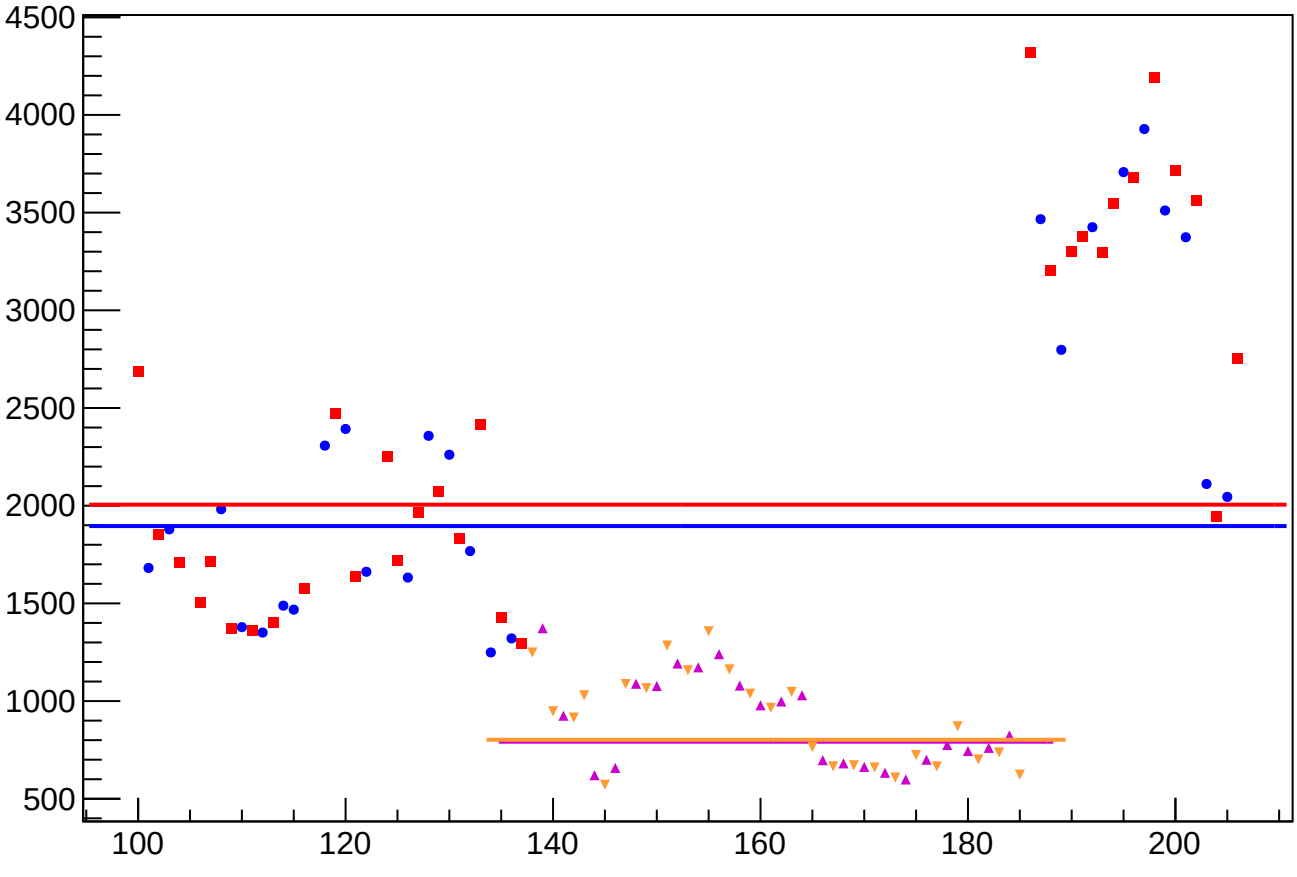
Right: -221.161+/-378.727 χ^2/NDF: 62.4/55

In: 49.773+/-180.567 χ^2/NDF:62.2/47

Out: 626.531+/-178.068 χ^2/NDF:104.0/55

All: 342.172+/-126.787 χ^2/NDF: 171.4/103

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1895.645+/-0.382 χ^2/NDF: 3176671.1/24

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2005.217+/-0.376 χ^2/NDF: 4118469.0/30

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

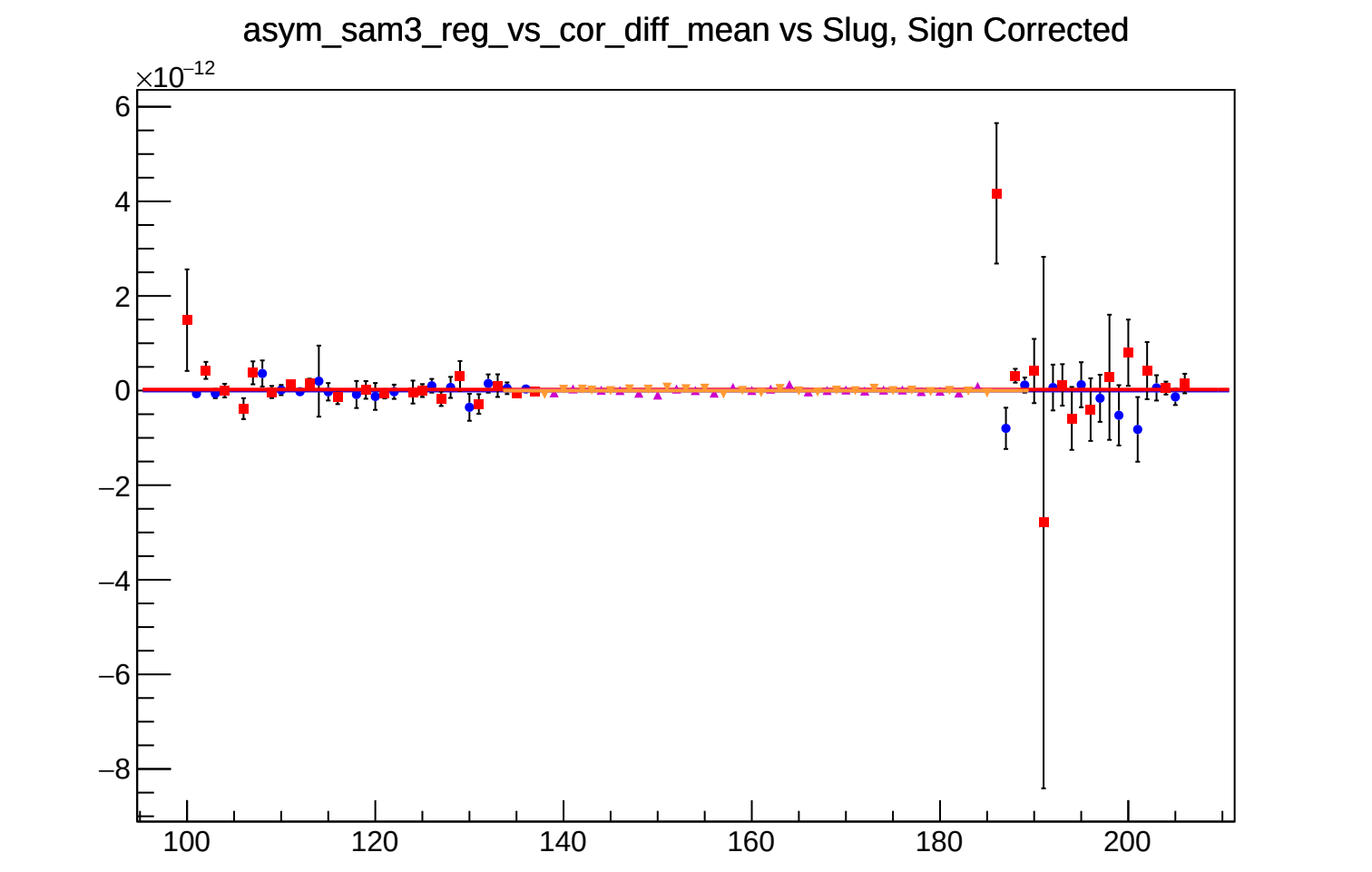
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1951.320+/-0.268 χ^2/NDF: 7336981.0/55

In: 915.455+/-0.128 χ^2/NDF:12731438.4/47

Out: 937.165+/-0.126 χ^2/NDF:15619311.7/55

All: 926.461+/-0.090 χ^2/NDF: 28365407.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/30

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

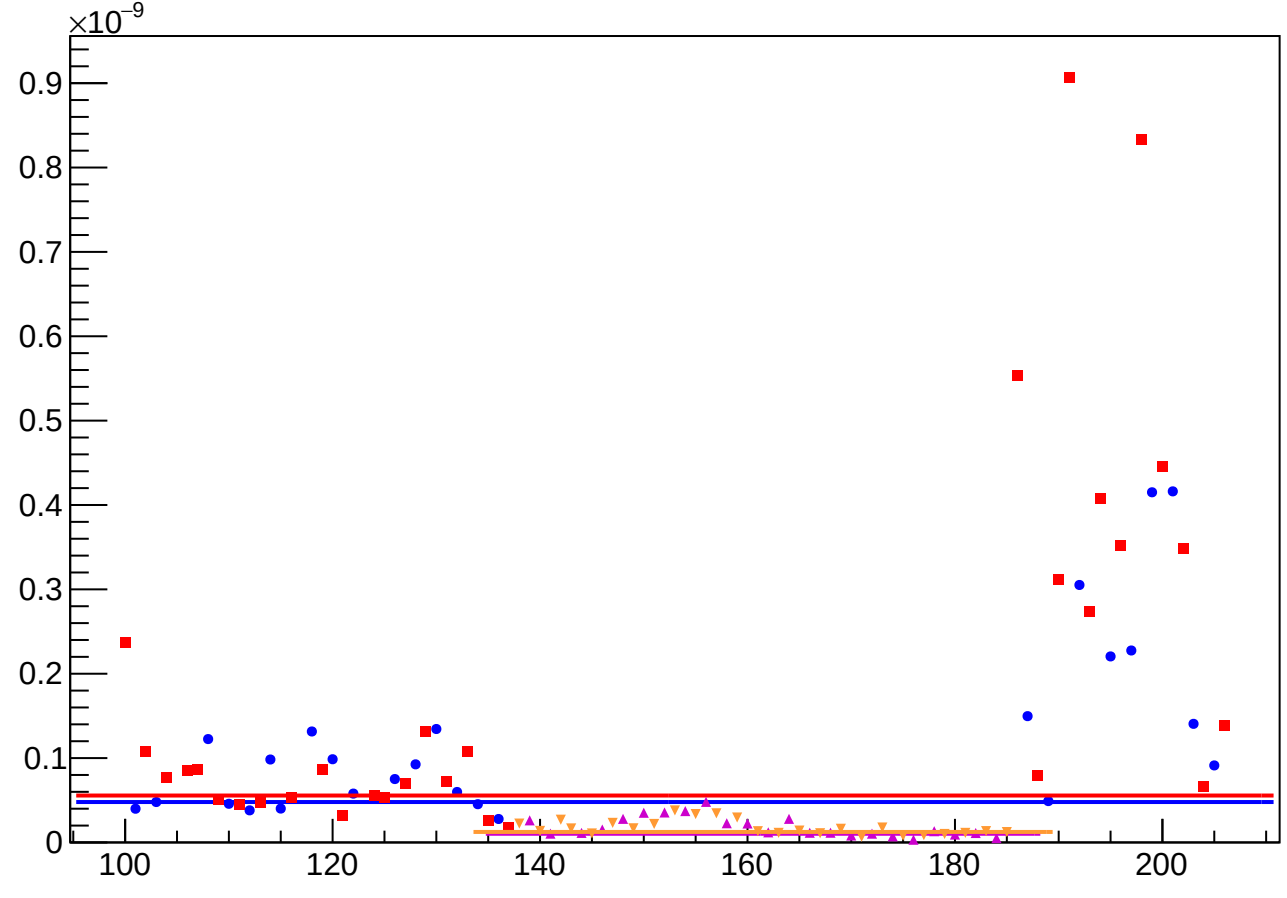
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/55

In: 0.000+/-0.000 χ^2/NDF:45.3/47

Out: -0.000+/-0.000 χ^2/NDF:64.3/55

All: 0.000+/-0.000 χ^2/NDF: 110.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 4041945.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749181.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

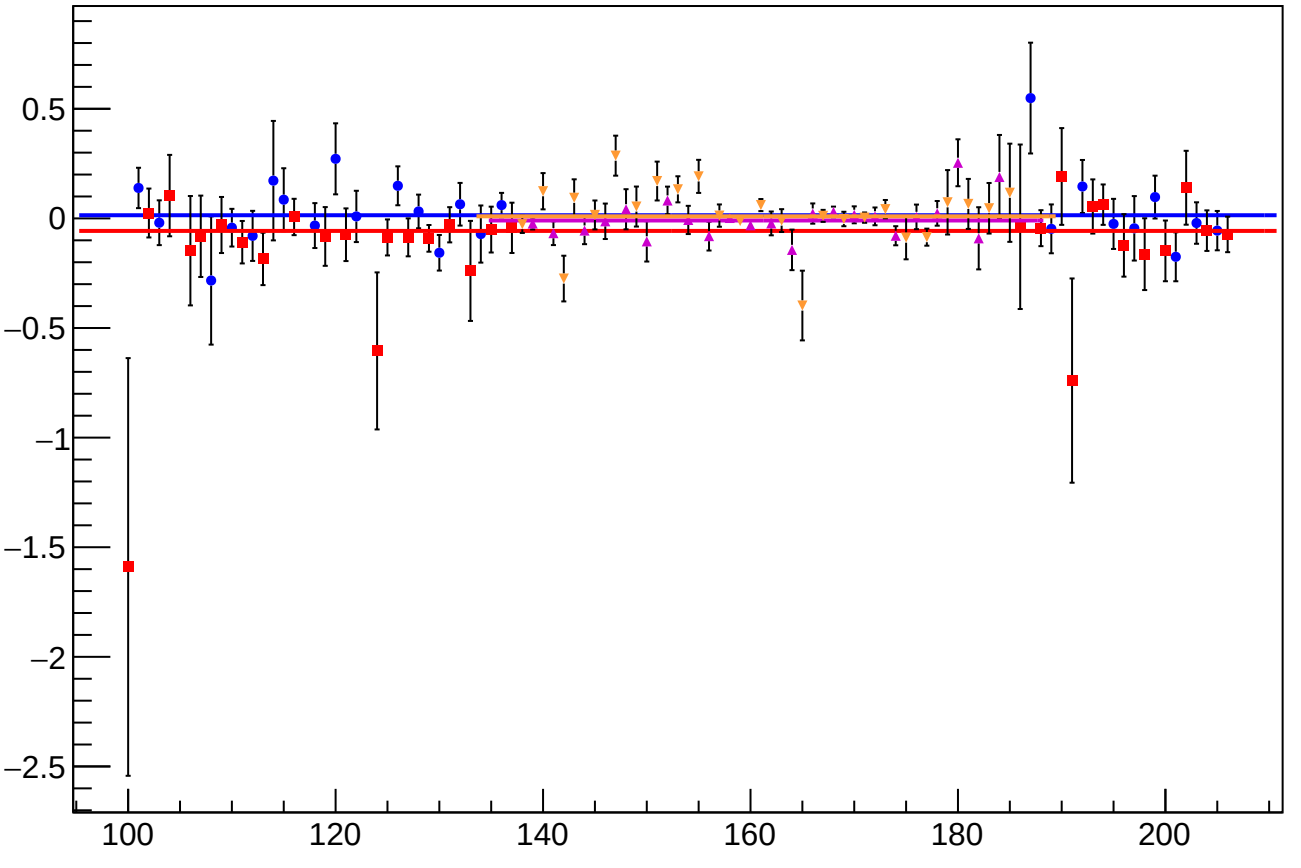
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9870571.8/55

In: 0.000+/-0.000 χ^2/NDF:11697116.2/47

Out: 0.000+/-0.000 χ^2/NDF:12384626.5/55

All: 0.000+/-0.000 χ^2/NDF: 24294565.0/103



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

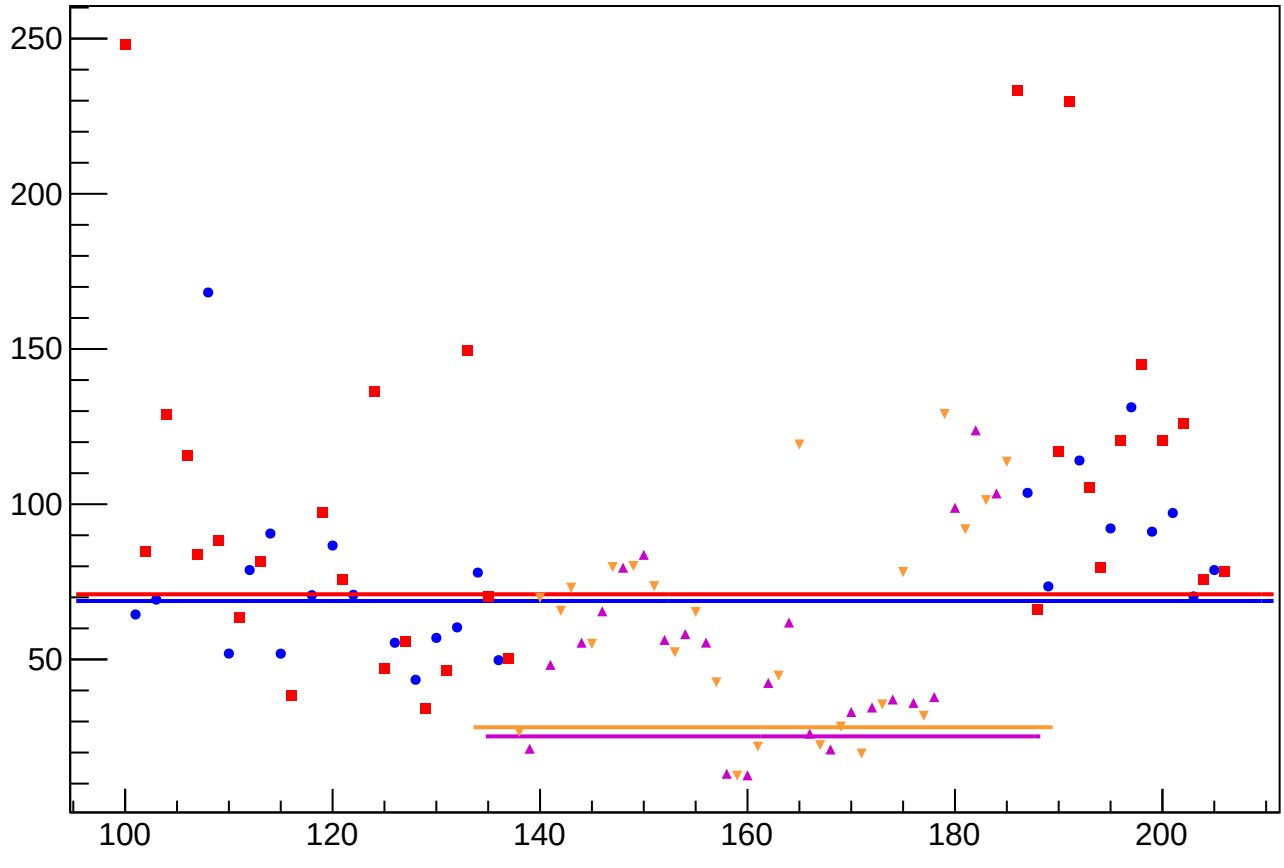
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.015 χ^2/NDF: 50.5/55

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 134.8/103



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

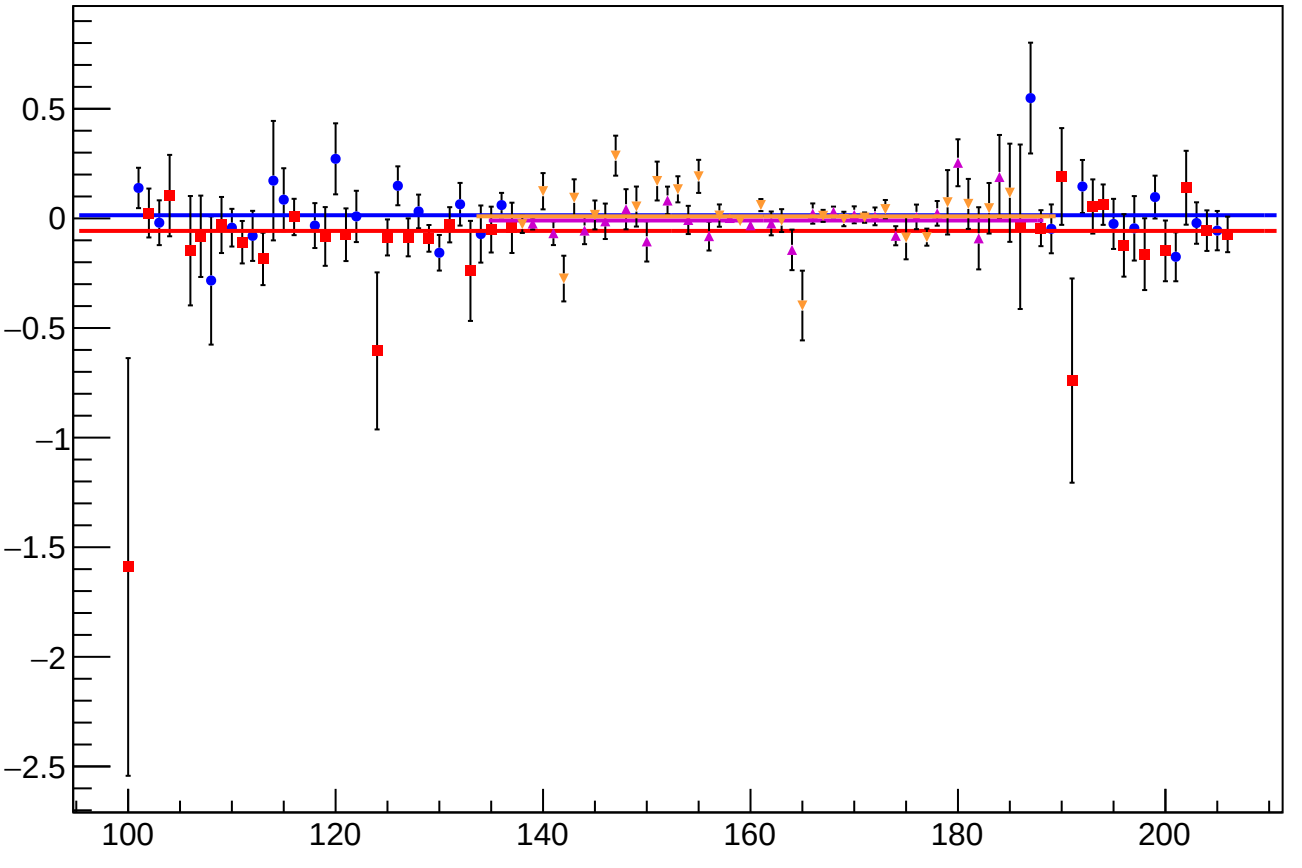
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.911+/-0.010 χ^2/NDF: 6347674.9/55

In: 30.816+/-0.005 χ^2/NDF:19744401.2/47

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.492+/-0.004 χ^2/NDF: 42826108.4/103



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

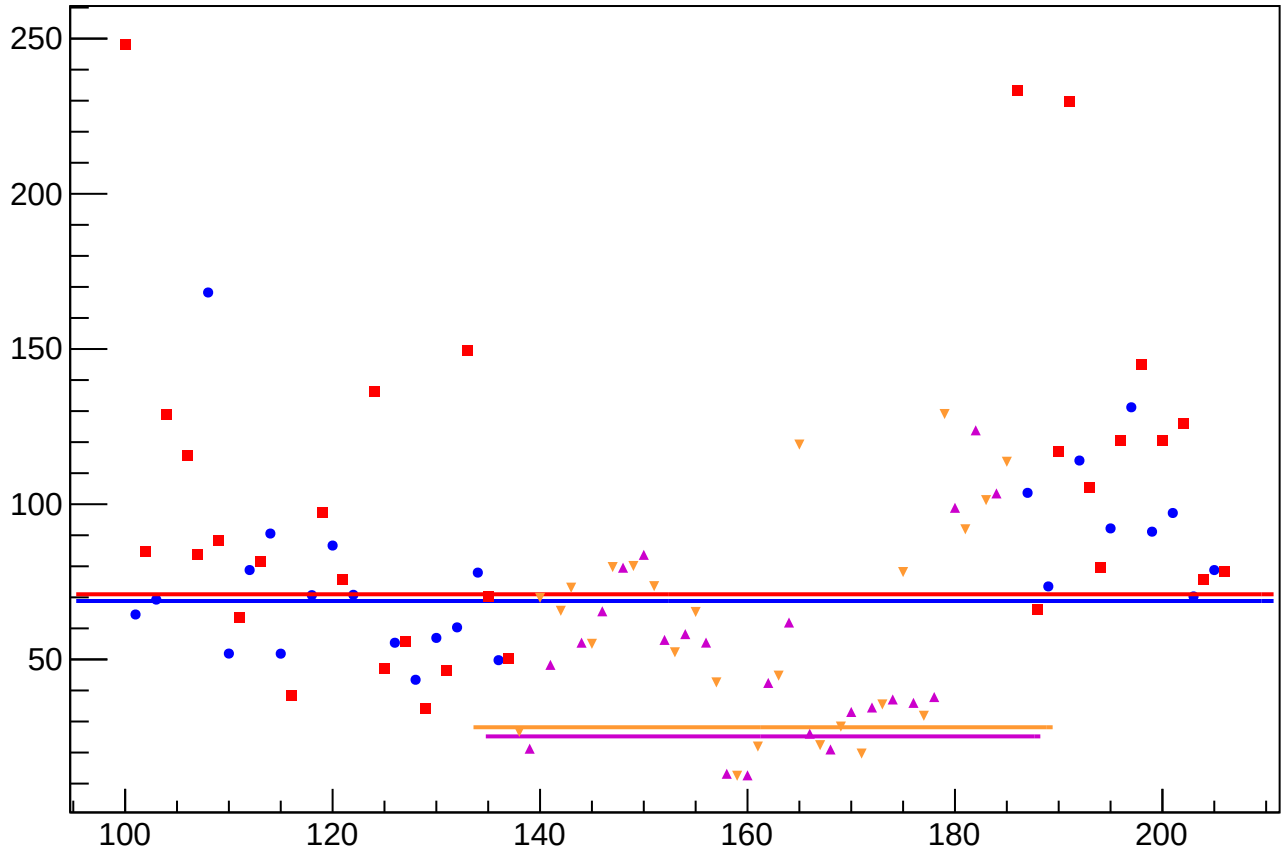
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.015 χ^2/NDF: 50.5/55

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 134.8/103



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

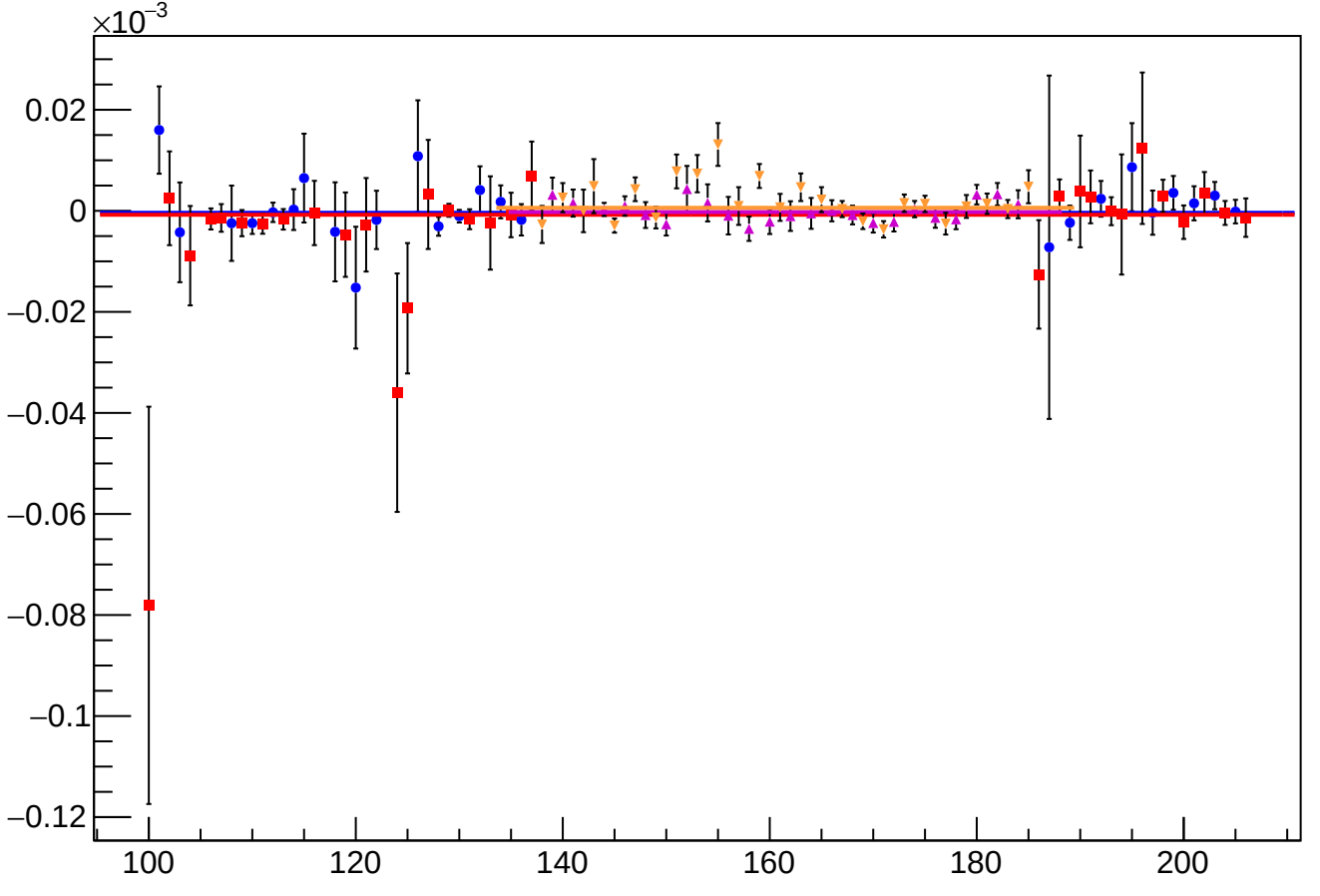
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.911+/-0.010 χ^2/NDF: 6347674.9/55

In: 30.816+/-0.005 χ^2/NDF:19744401.2/47

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.492+/-0.004 χ^2/NDF: 42826108.4/103



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

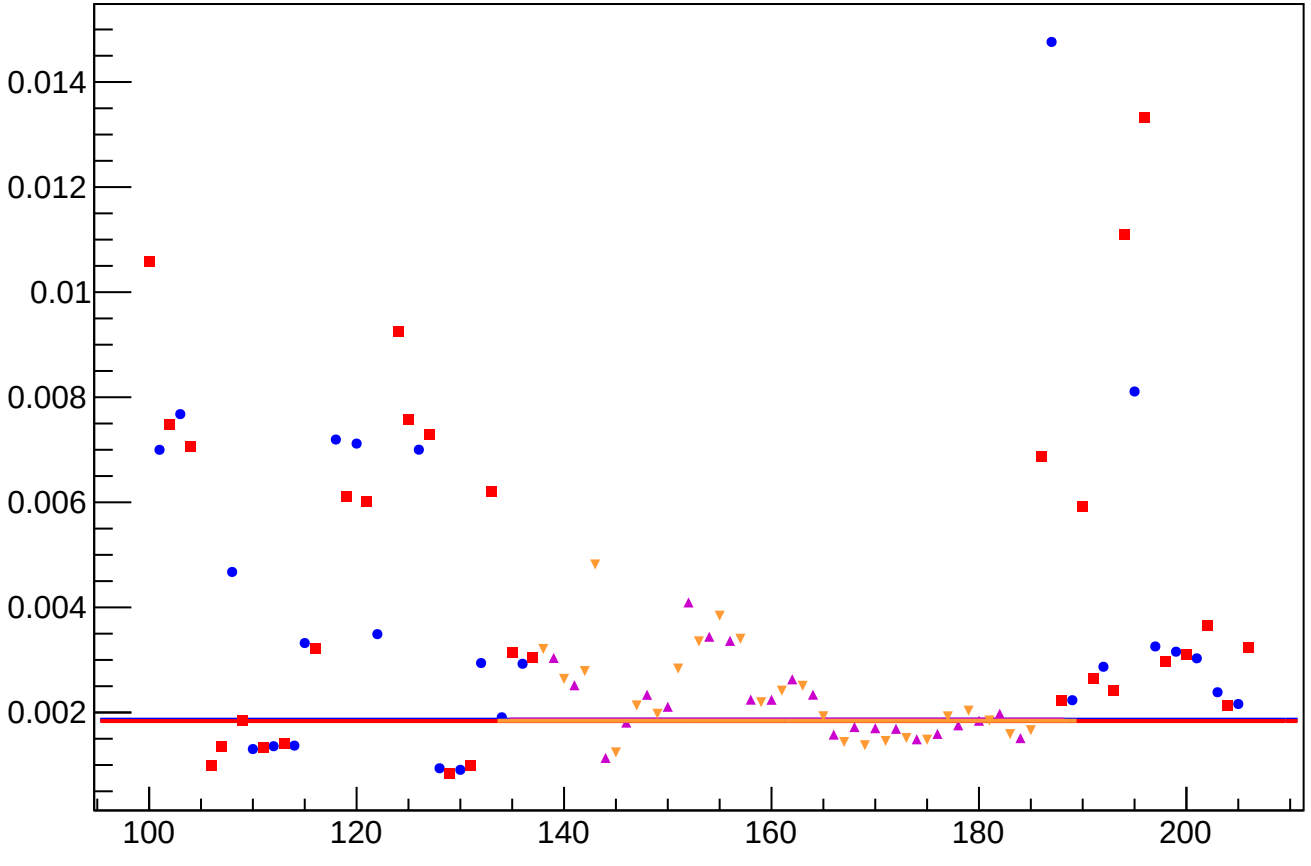
Right: -0.000+/-0.000 χ^2/NDF: 37.1/55

In: -0.000+/-0.000 χ^2/NDF:33.9/47

Out: 0.000+/-0.000 χ^2/NDF:75.3/55

All: -0.000+/-0.000 χ^2/NDF: 109.8/103

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7955901.1/24

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10906803.4/30

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

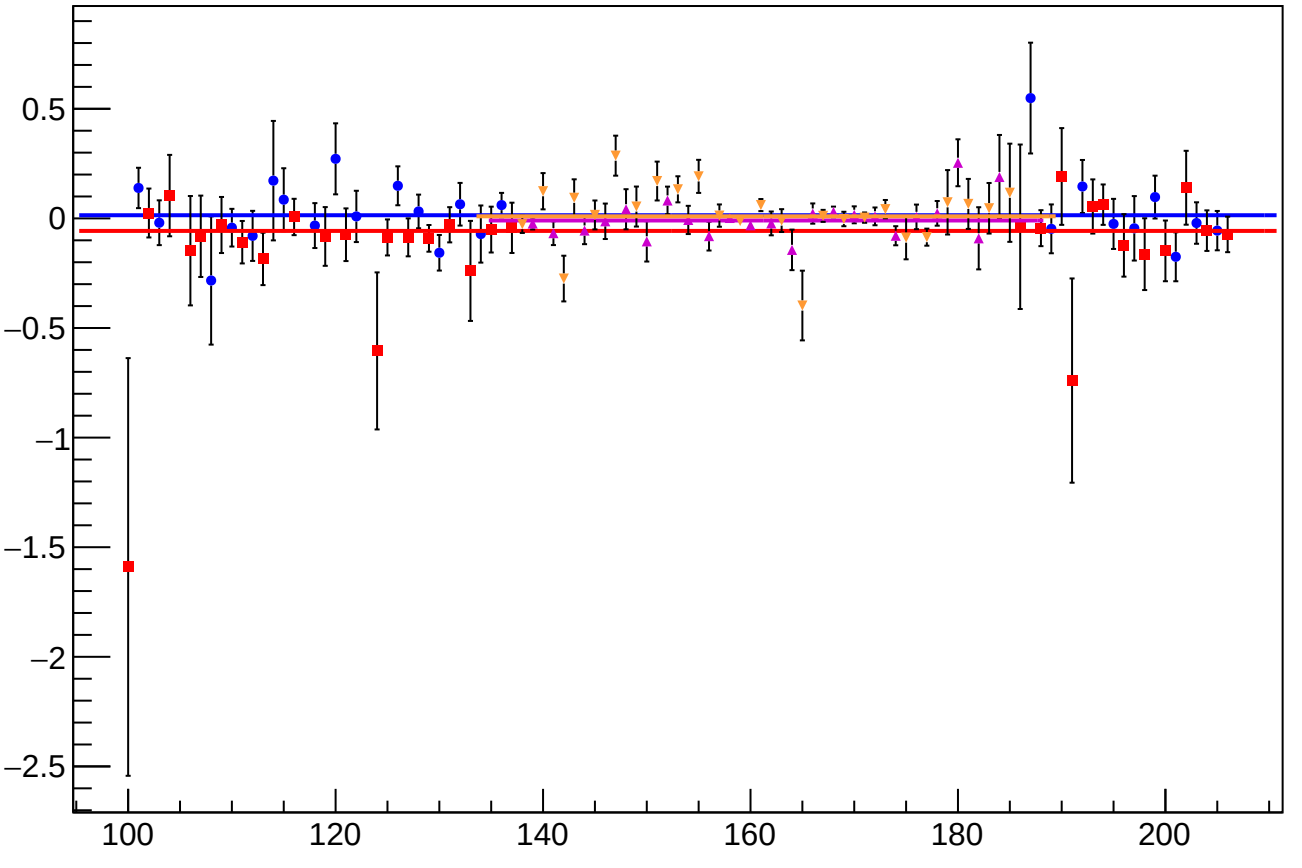
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18864551.8/55

In: 0.002+/-0.000 χ^2/NDF:10750053.4/47

Out: 0.002+/-0.000 χ^2/NDF:14690156.3/55

All: 0.002+/-0.000 χ^2/NDF: 25444346.7/103



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

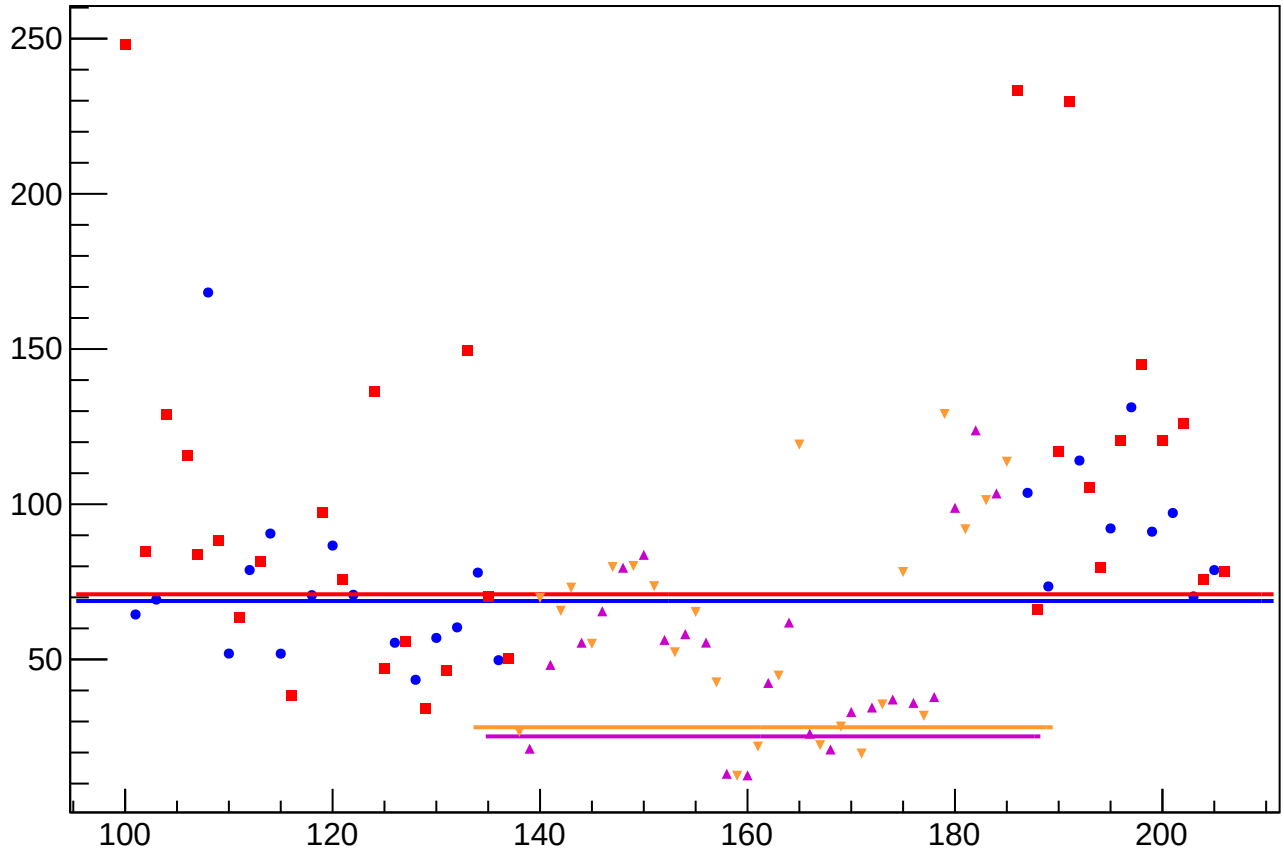
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.015 χ^2/NDF: 50.5/55

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 134.8/103



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

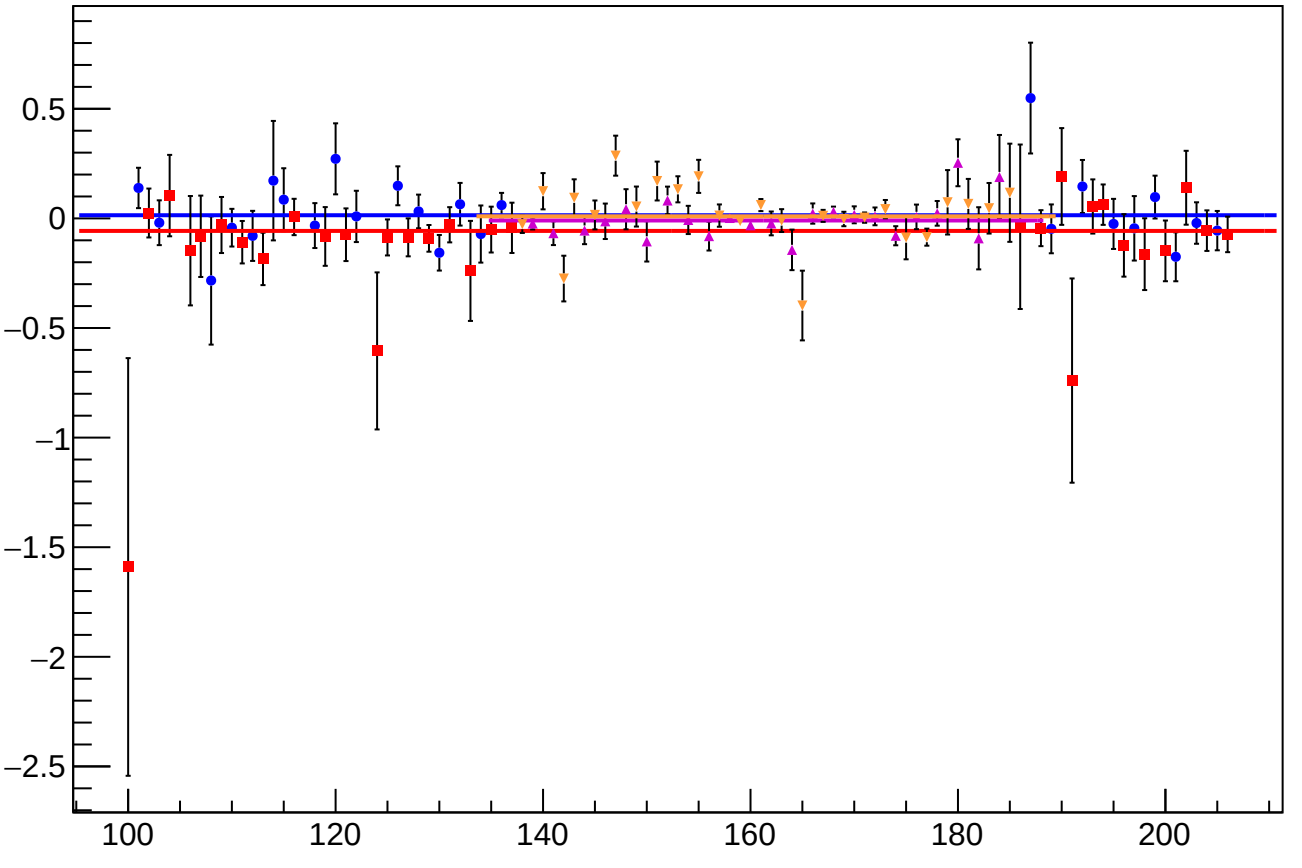
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.912+/-0.010 χ^2/NDF: 6347682.3/55

In: 30.815+/-0.005 χ^2/NDF:19745080.5/47

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.491+/-0.004 χ^2/NDF: 42828466.7/103



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

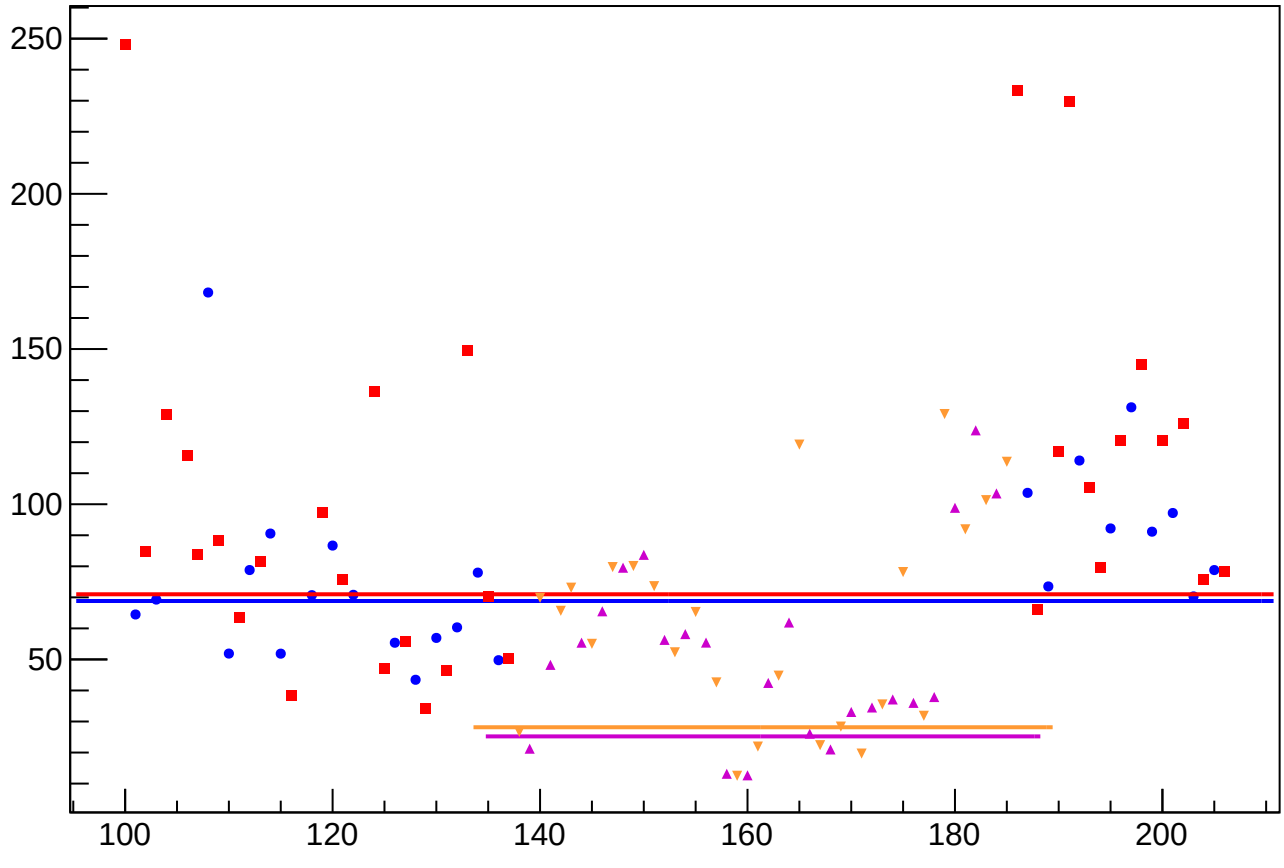
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.015 χ^2/NDF: 50.5/55

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 134.8/103



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

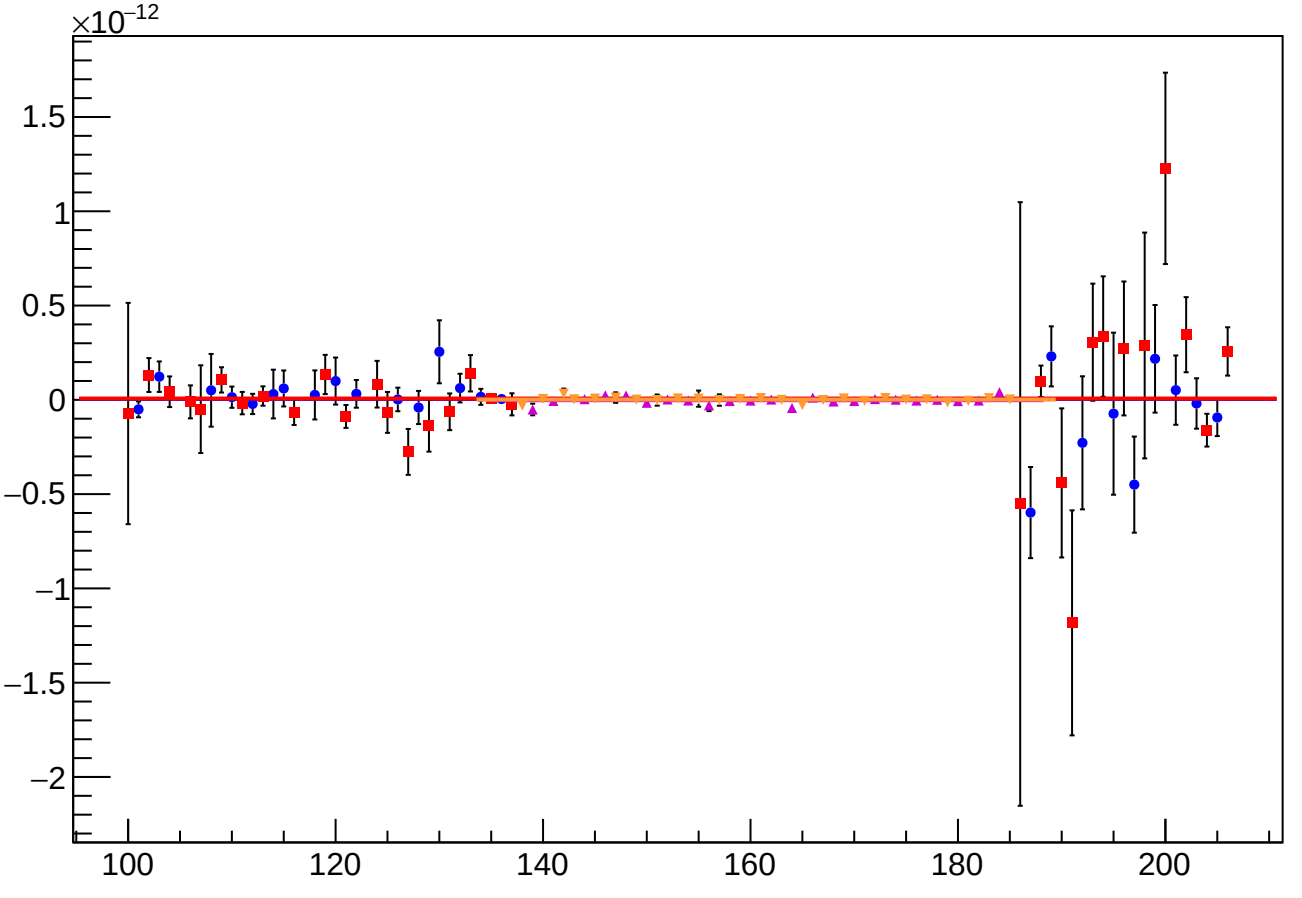
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.912+/-0.010 χ^2/NDF: 6347682.3/55

In: 30.815+/-0.005 χ^2/NDF:19745080.5/47

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.491+/-0.004 χ^2/NDF: 42828466.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/30

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

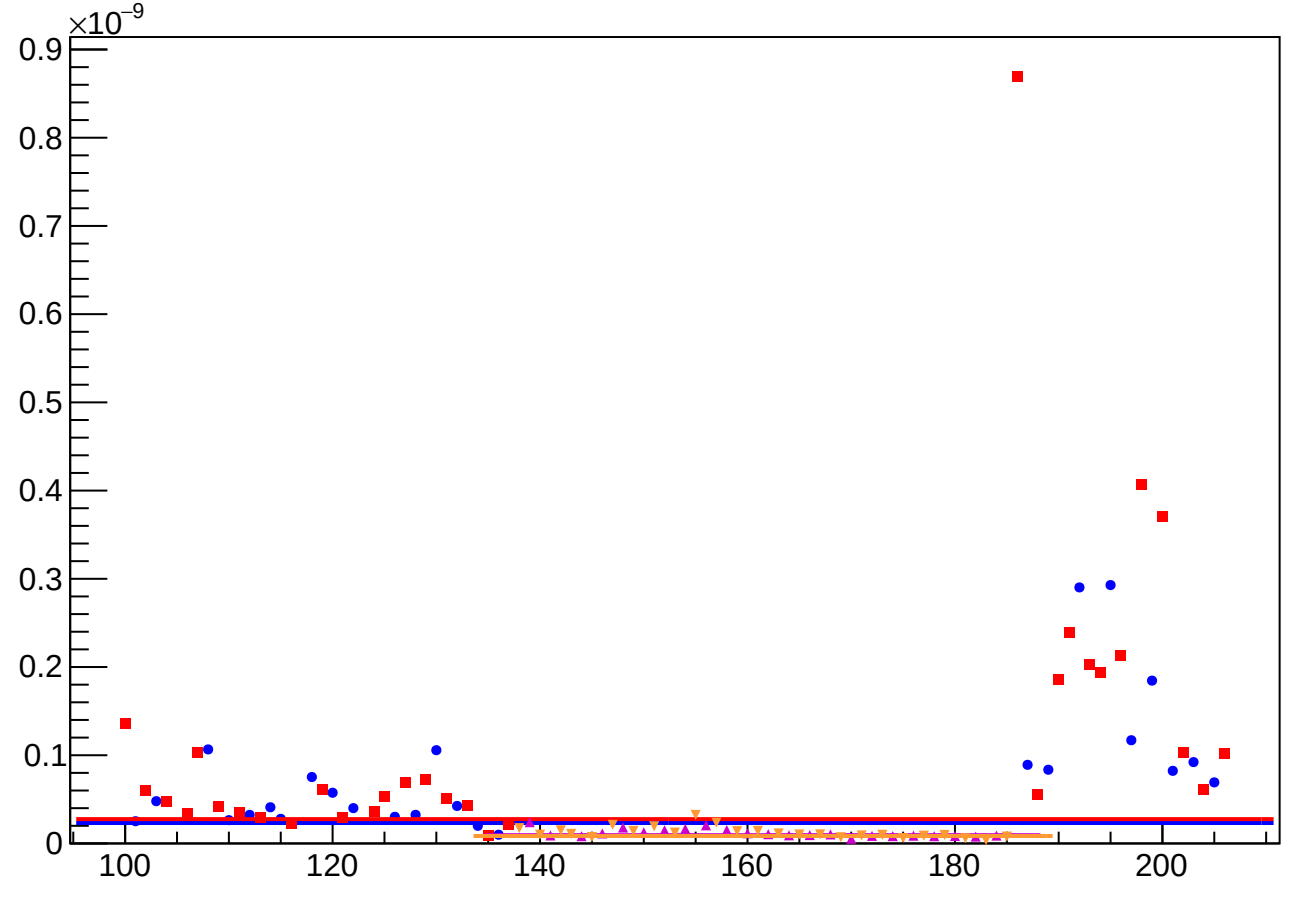
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 67.3/55

In: -0.000+/-0.000 χ^2/NDF:43.1/47

Out: 0.000+/-0.000 χ^2/NDF:56.8/55

All: 0.000+/-0.000 χ^2/NDF: 100.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 7706586.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9807482.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

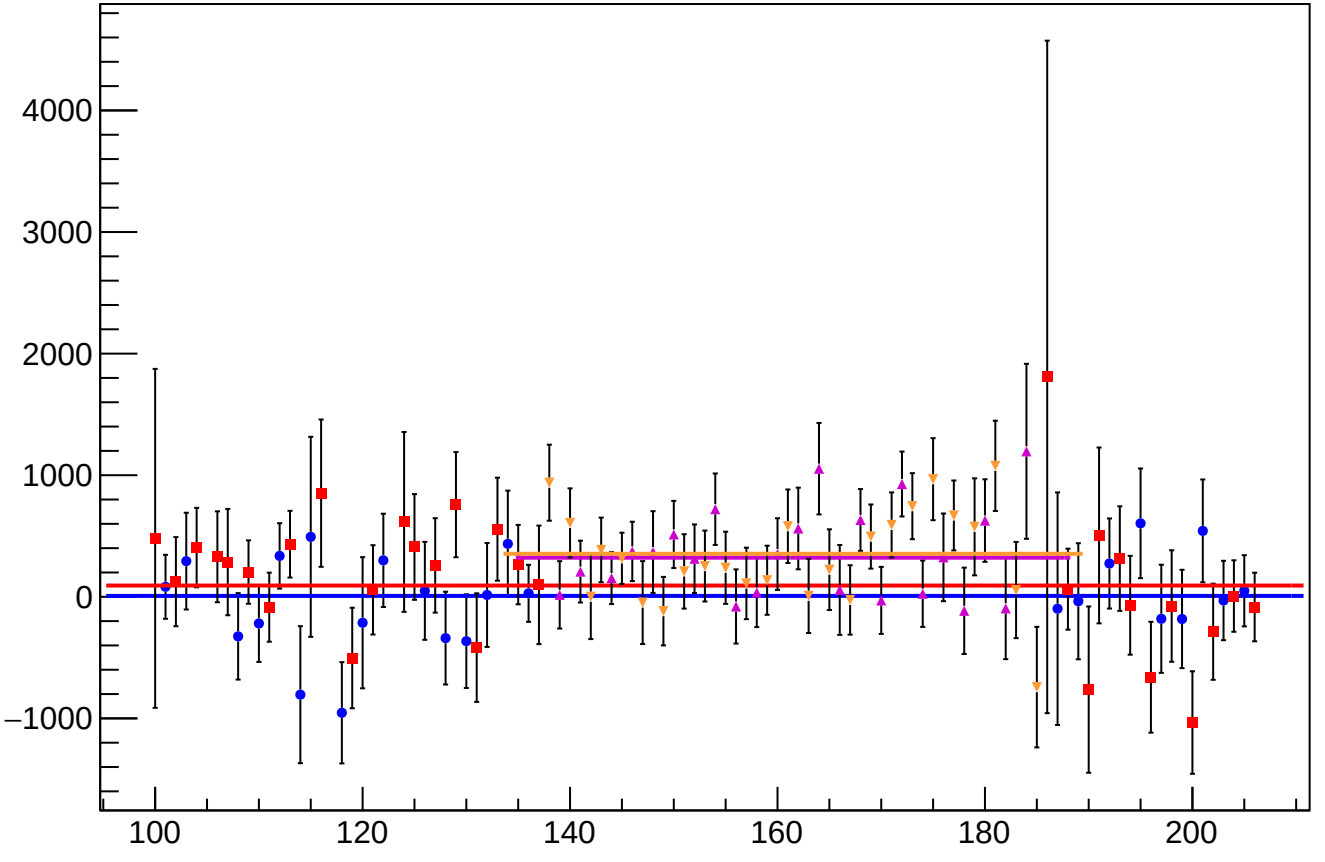
Right: 0.000+/-0.000 χ^2/NDF: 17639198.1/55

In: 0.000+/-0.000 χ^2/NDF:12384465.8/47

Out: 0.000+/-0.000 χ^2/NDF:18271033.0/55

All: 0.000+/-0.000 χ^2/NDF: 30764808.6/103

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 7.348+/-75.103 χ^2/NDF: 19.0/24

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.539+/-70.746 χ^2/NDF: 27.9/30

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

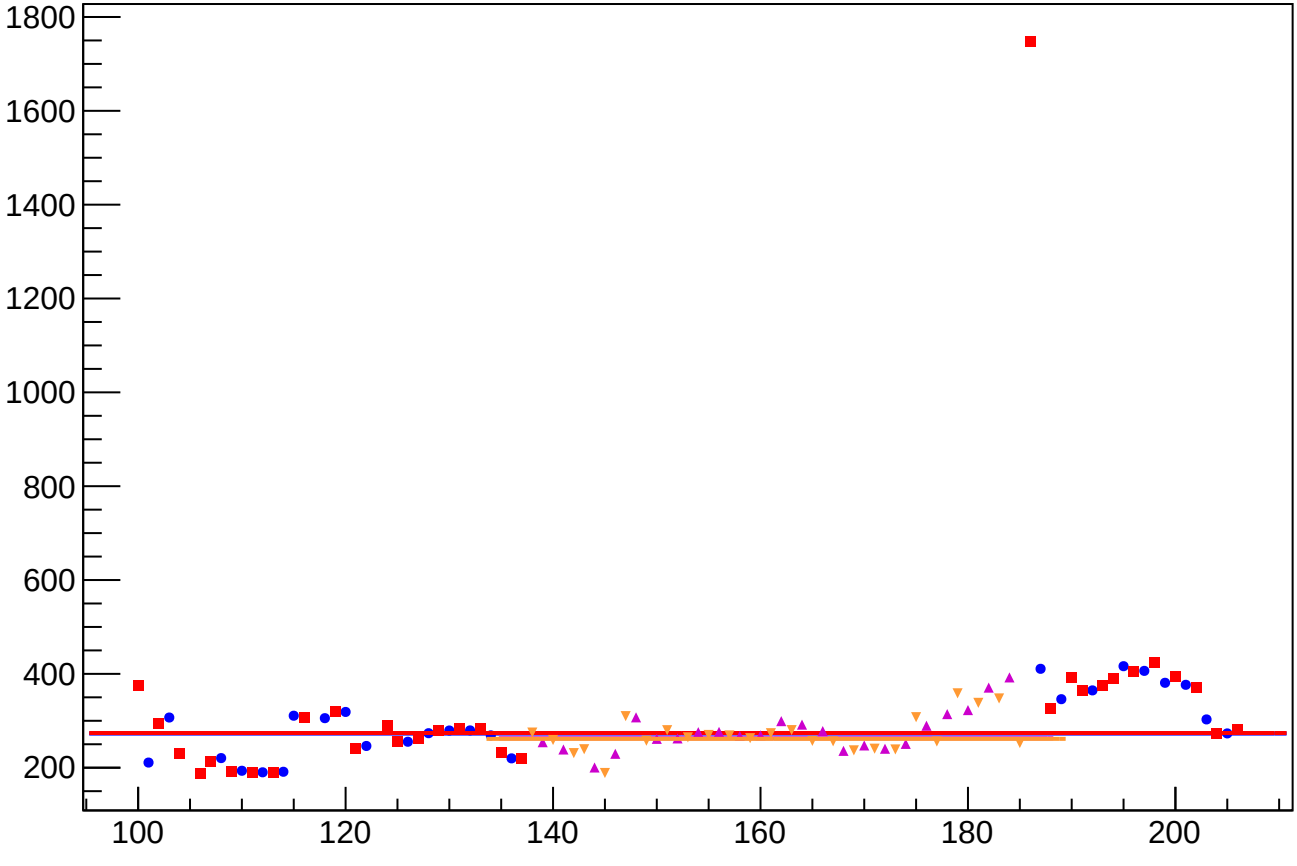
Right: 52.486+/-51.496 χ^2/NDF: 47.6/55

In: 193.906+/-47.864 χ^2/NDF:55.7/47

Out: 244.076+/-45.825 χ^2/NDF:68.1/55

All: 220.083+/-33.101 χ^2/NDF: 124.3/103

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.758+/-0.053 χ^2/NDF: 1548289.2/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.955+/-0.050 χ^2/NDF: 2521940.8/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

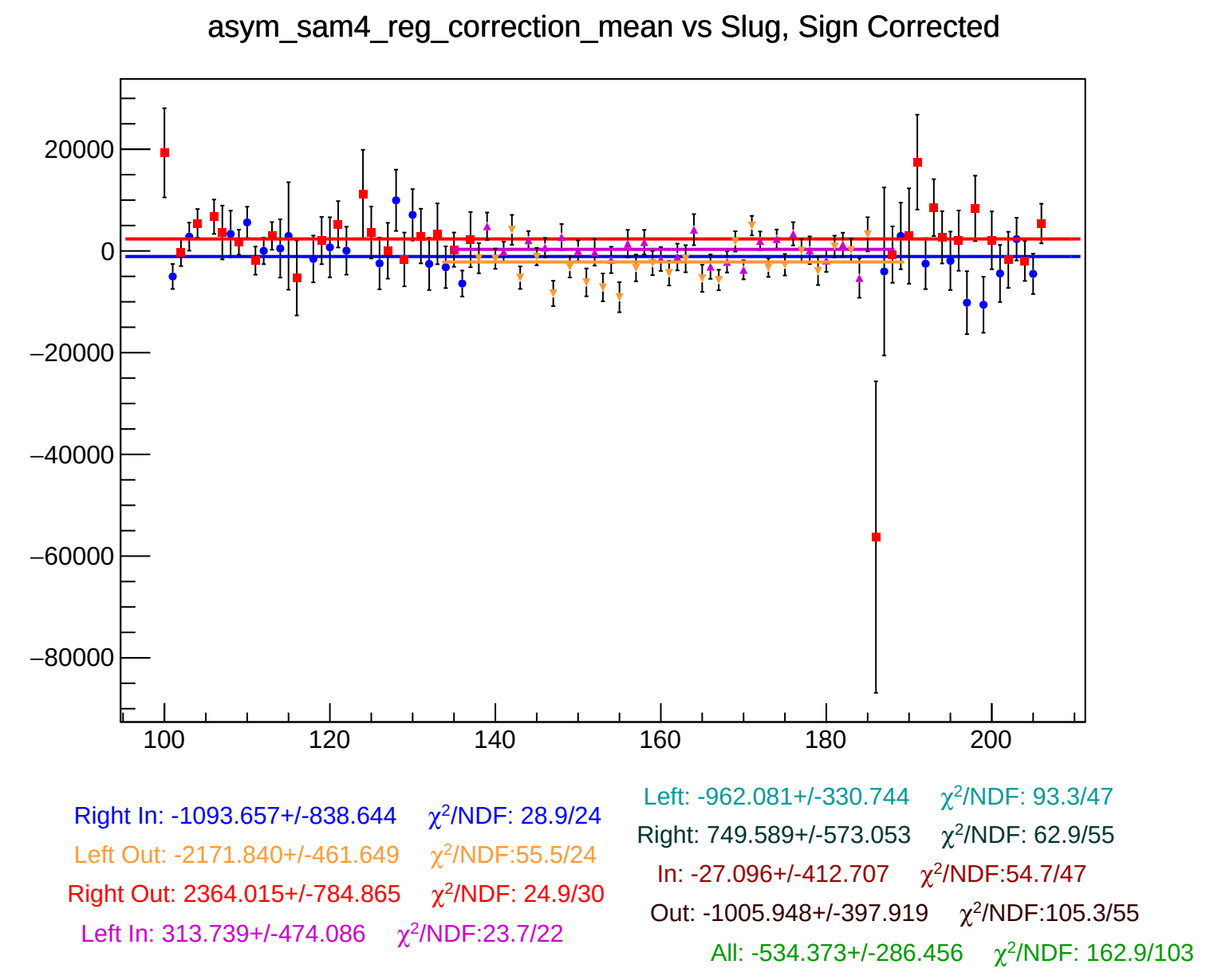
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

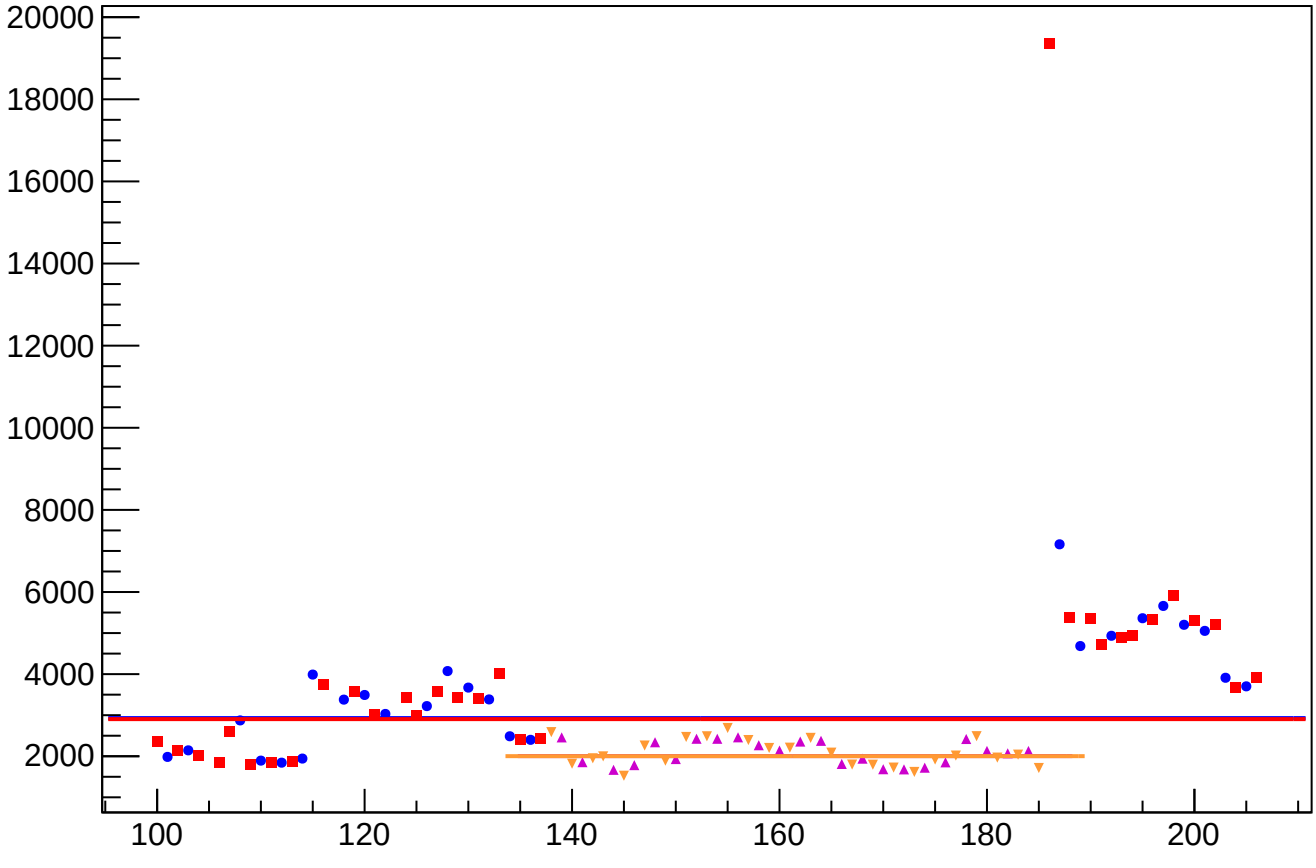
Right: 273.392+/-0.036 χ^2/NDF: 4070498.8/55

In: 266.736+/-0.034 χ^2/NDF:2240595.2/47

Out: 266.708+/-0.032 χ^2/NDF:3273562.1/55

All: 266.721+/-0.023 χ^2/NDF: 5514157.6/103


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1093.657+/-838.644 χ²/NDF: 28.9/24
Left Out: -2171.840+/-461.649 χ²/NDF:55.5/24
Right Out: 2364.015+/-784.865 χ²/NDF: 24.9/30
Left In: 313.739+/-474.086 χ²/NDF:23.7/22
Left: -962.081+/-330.744 χ²/NDF: 93.3/47
Right: 749.589+/-573.053 χ²/NDF: 62.9/55
In: -27.096+/-412.707 χ²/NDF:54.7/47
Out: -1005.948+/-397.919 χ²/NDF:105.3/55
All: -534.373+/-286.456 χ²/NDF: 162.9/103



Right In: 2929.094+/-0.593 χ^2/NDF: 3549126.3/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2904.354+/-0.555 χ^2/NDF: 5275297.5/30

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

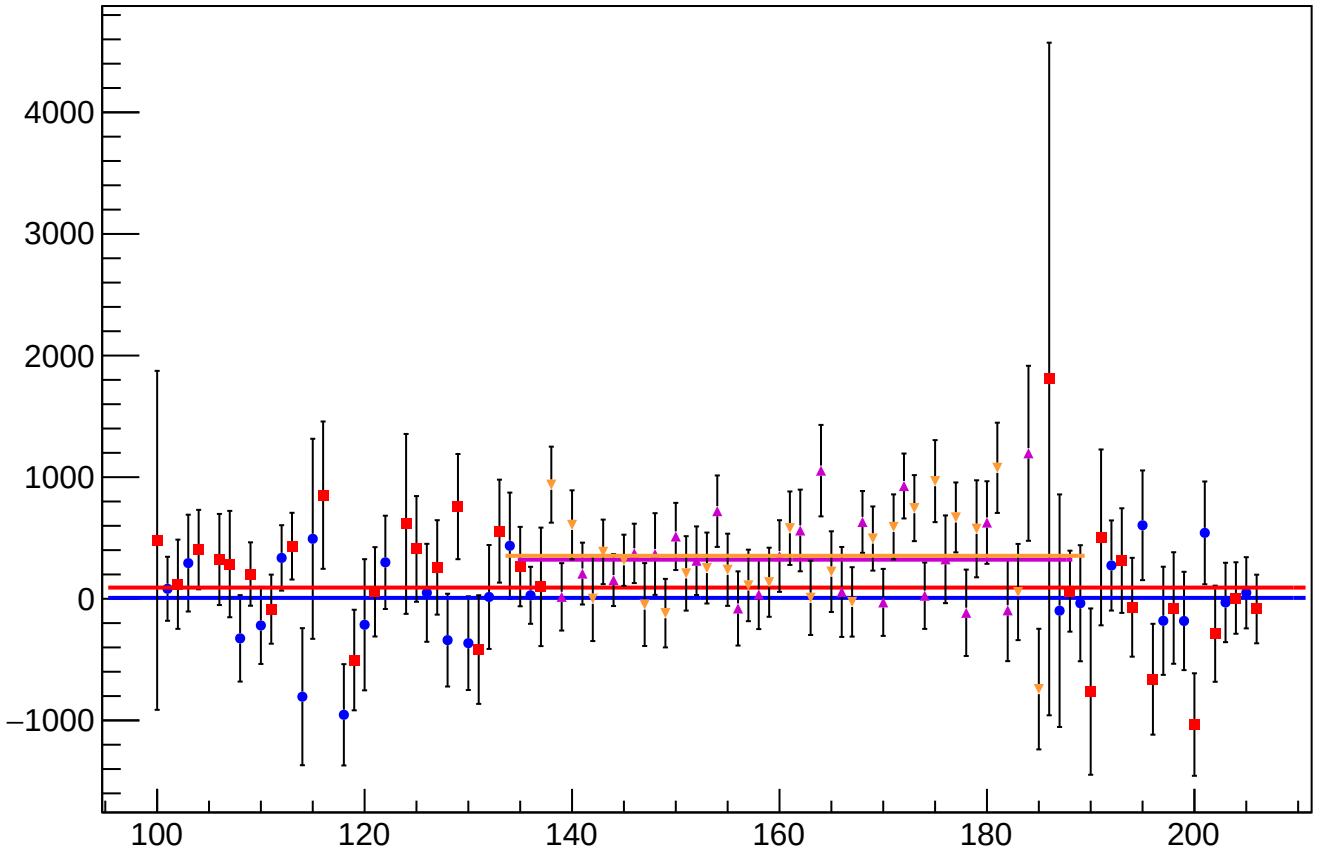
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

Right: 2915.905+/-0.405 χ^2/NDF: 8825351.7/55

In: 2228.219+/-0.292 χ^2/NDF:6097307.7/47

Out: 2234.110+/-0.281 χ^2/NDF:8131087.7/55

All: 2231.272+/-0.203 χ^2/NDF: 14228606.6/1



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.102+/-70.753 χ^2/NDF: 27.8/30

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

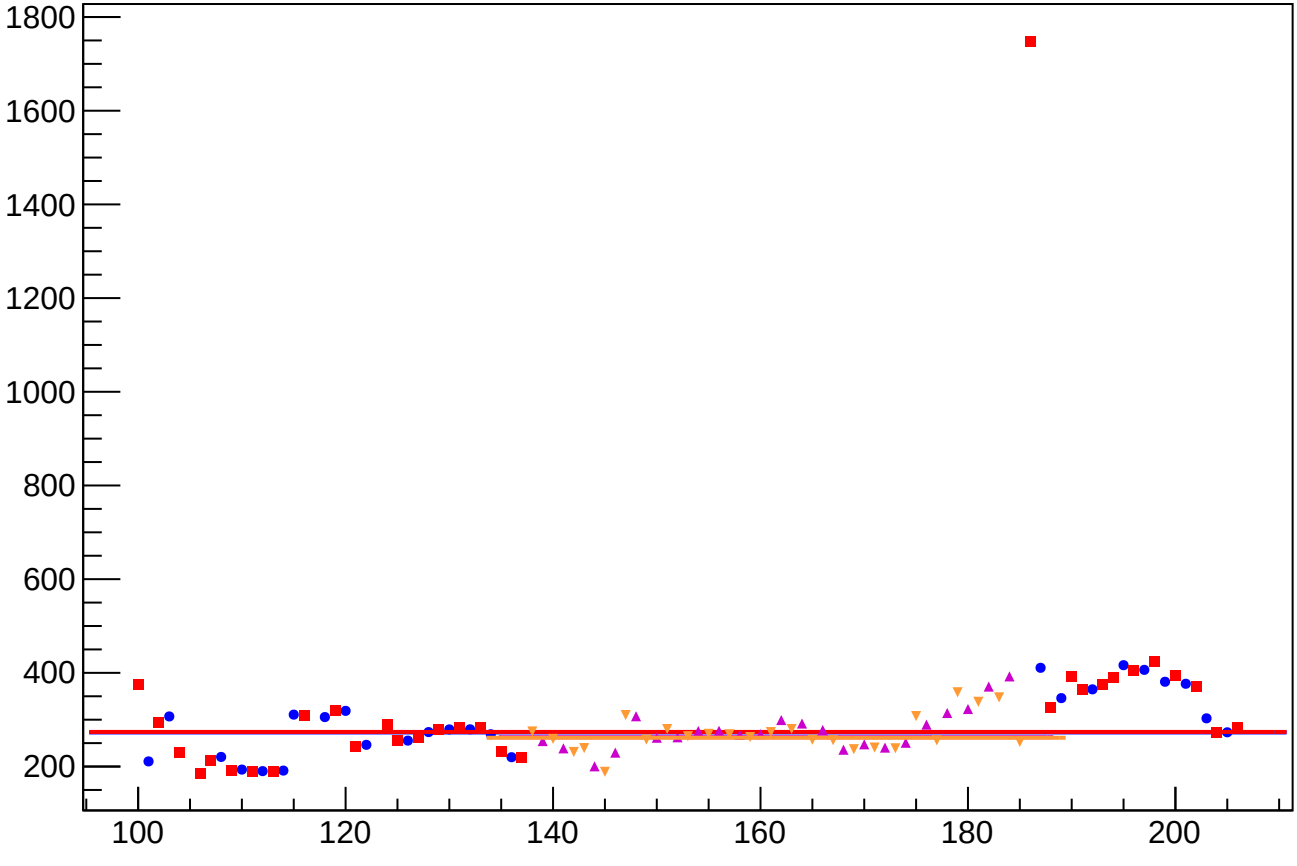
Right: 52.241+/-51.499 χ^2/NDF: 47.6/55

In: 193.901+/-47.864 χ^2/NDF:55.7/47

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 219.997+/-33.101 χ^2/NDF: 124.3/103

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

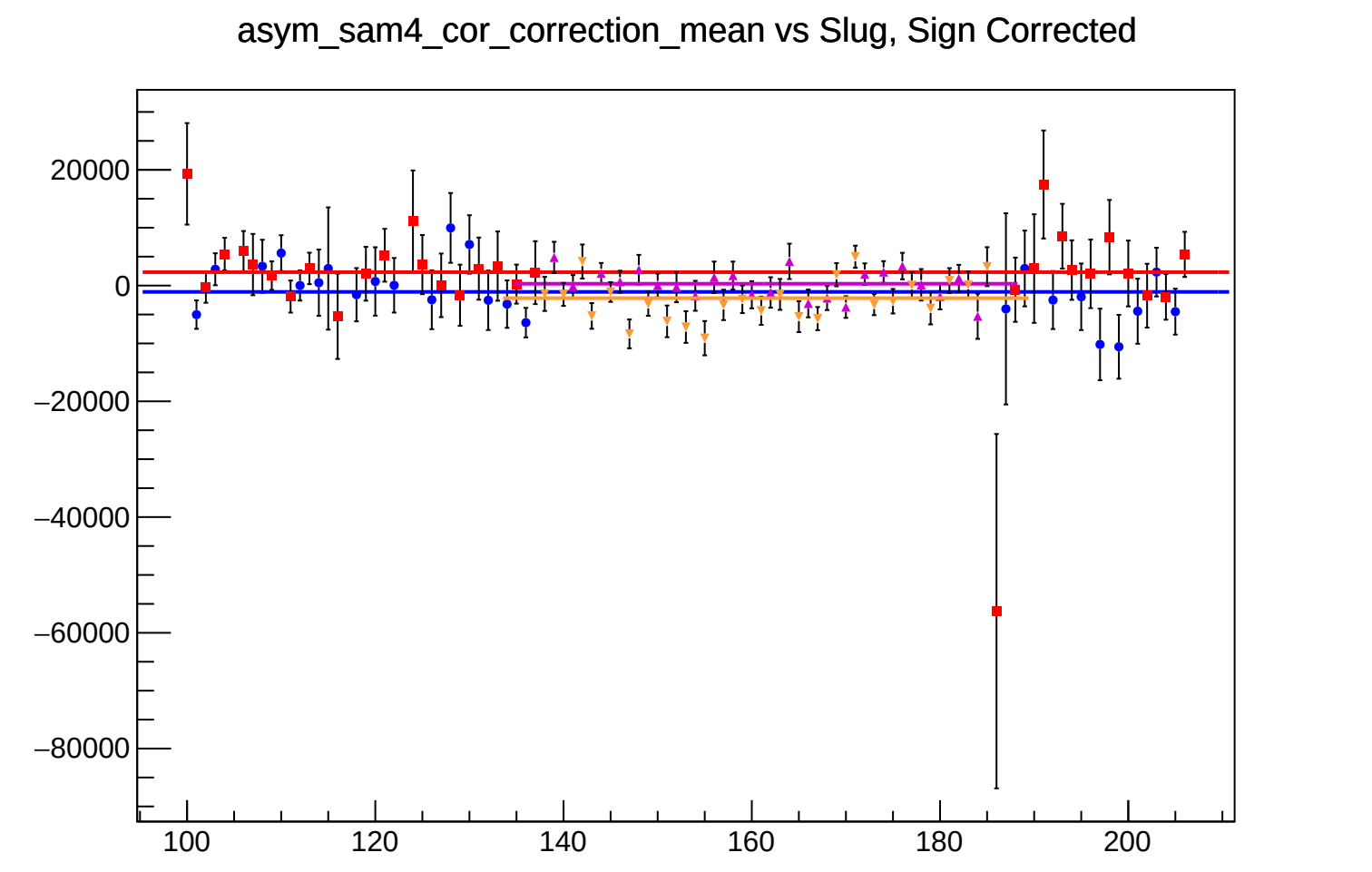
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.355+/-0.036 χ^2/NDF: 4076333.1/55

In: 266.736+/-0.034 χ^2/NDF:2240596.8/47

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.705+/-0.023 χ^2/NDF: 5519610.7/103



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2312.724+/-786.008 χ^2/NDF: 24.3/30

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

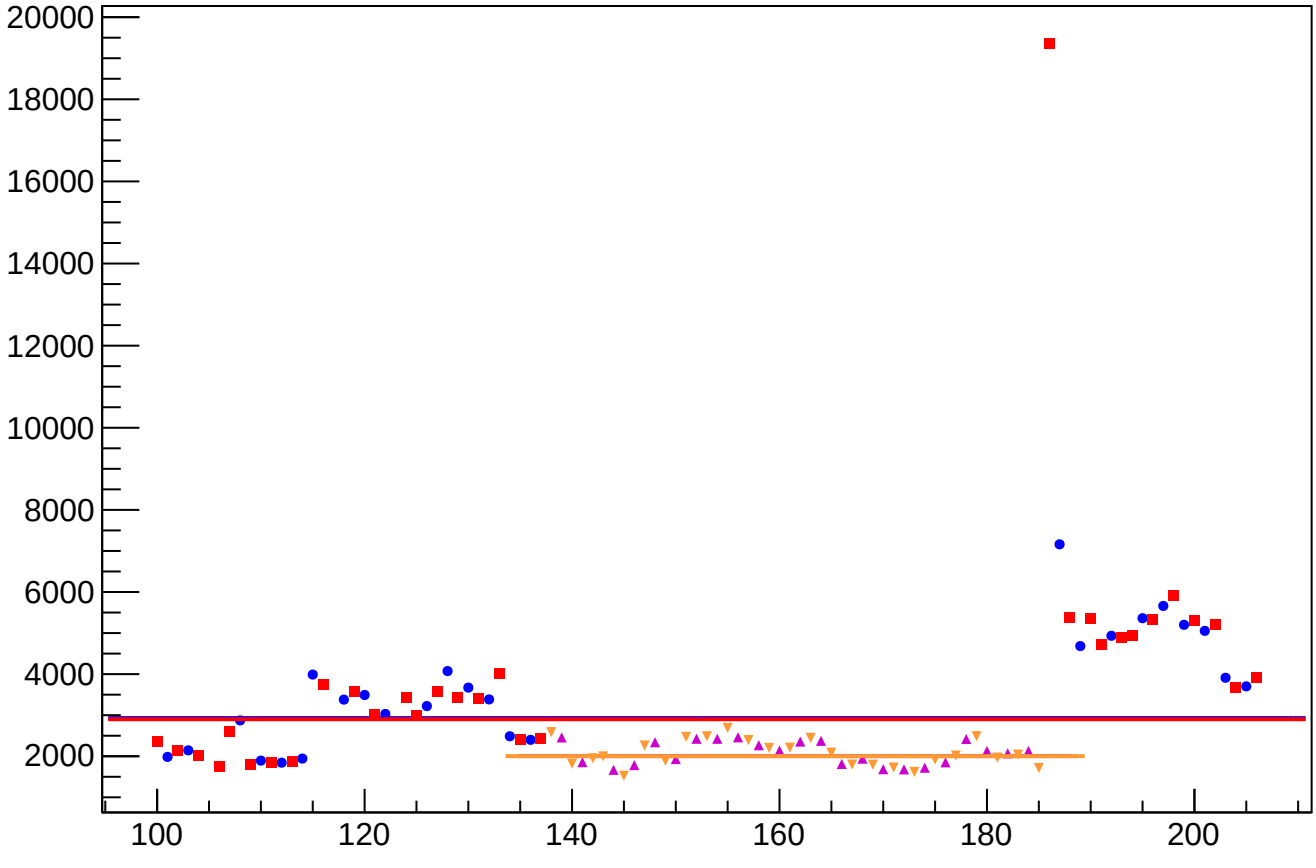
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 719.726+/-573.499 χ^2/NDF: 62.0/55

In: -27.121+/-412.708 χ^2/NDF:54.7/47

Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -542.313+/-286.512 χ^2/NDF: 161.8/103



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

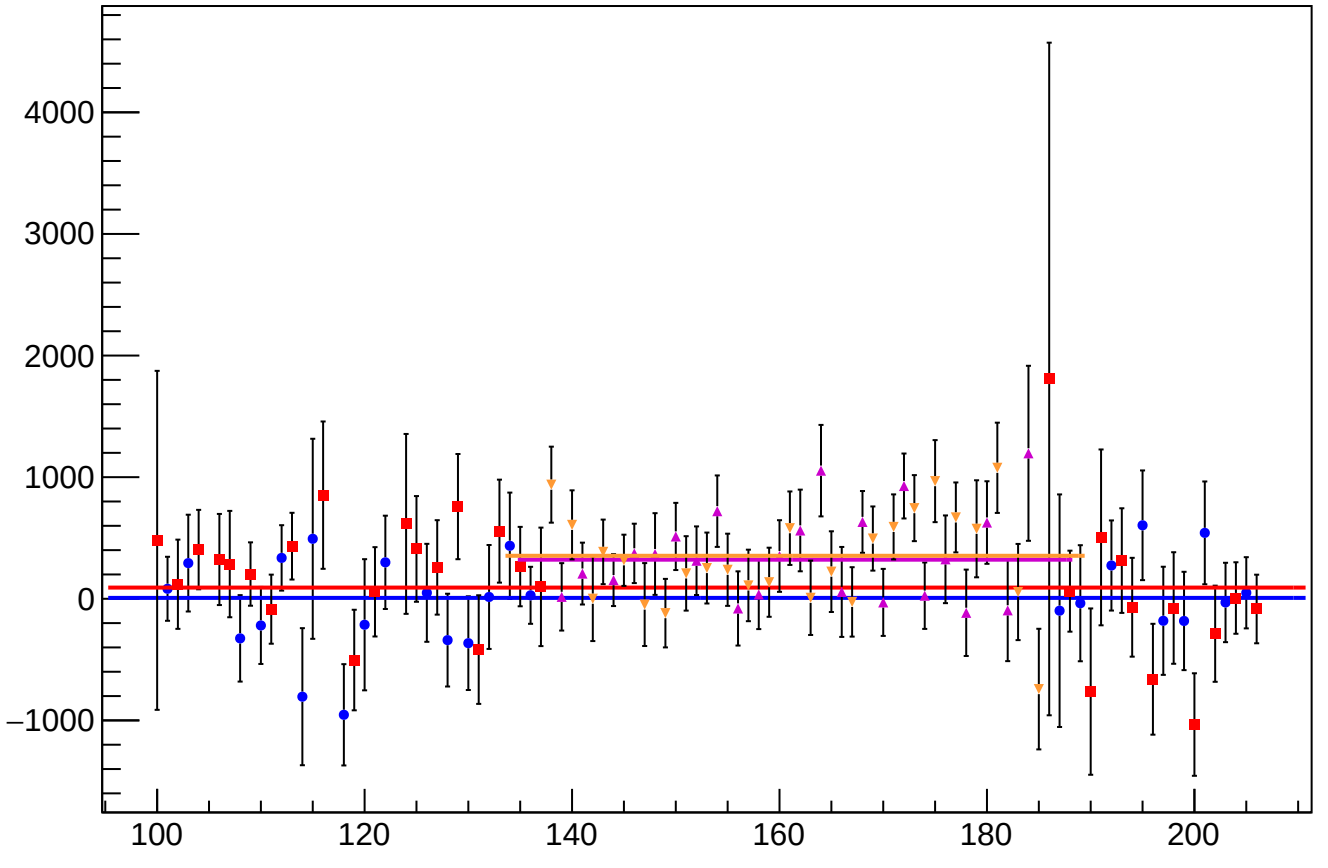
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2914.548+/-0.406 χ^2/NDF: 8855783.6/55

In: 2228.223+/-0.292 χ^2/NDF:6097299.4/47

Out: 2232.941+/-0.281 χ^2/NDF:8145858.5/55

All: 2230.667+/-0.203 χ^2/NDF: 14243293.3/1



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.102+/-70.753 χ^2/NDF: 27.8/30

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

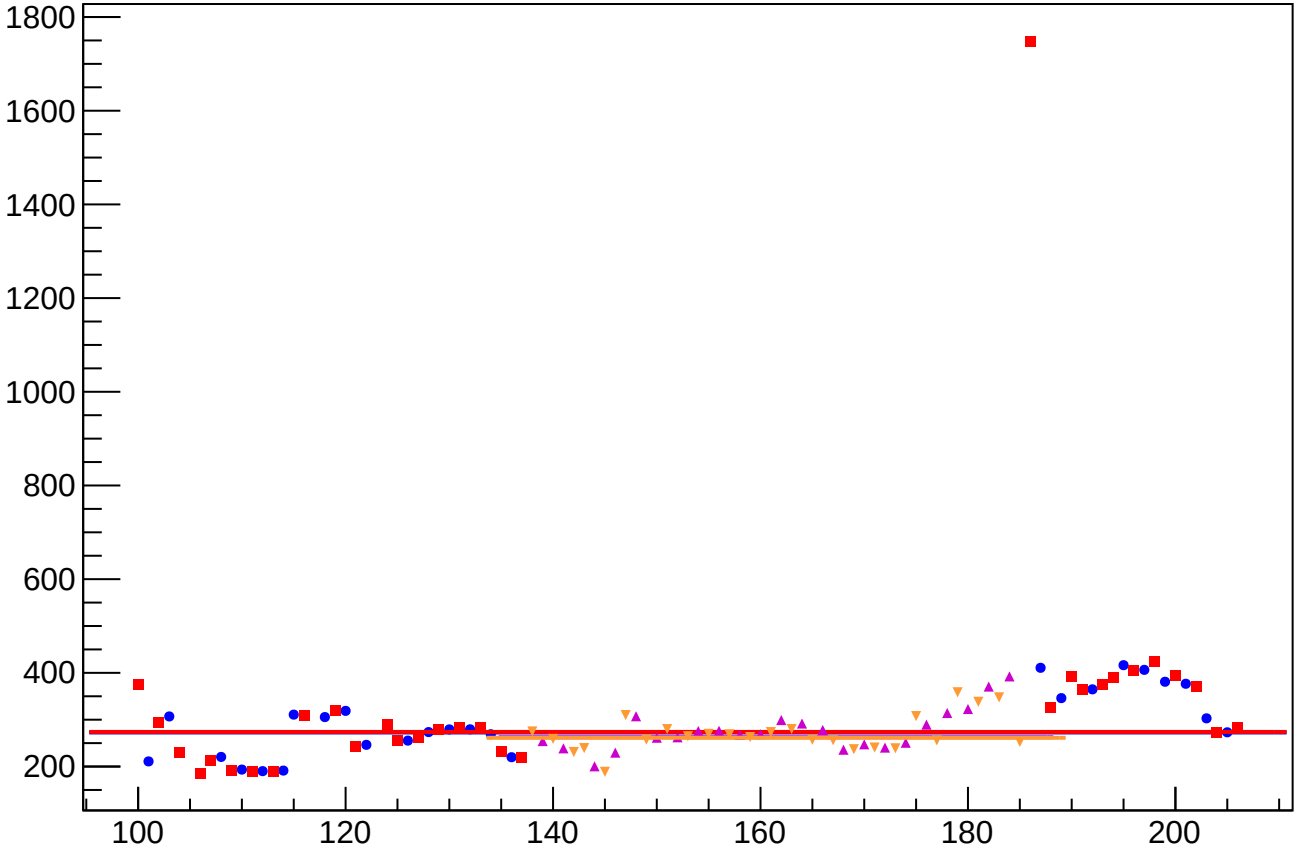
Right: 52.241+/-51.499 χ^2/NDF: 47.6/55

In: 193.901+/-47.864 χ^2/NDF:55.7/47

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 219.997+/-33.101 χ^2/NDF: 124.3/103

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

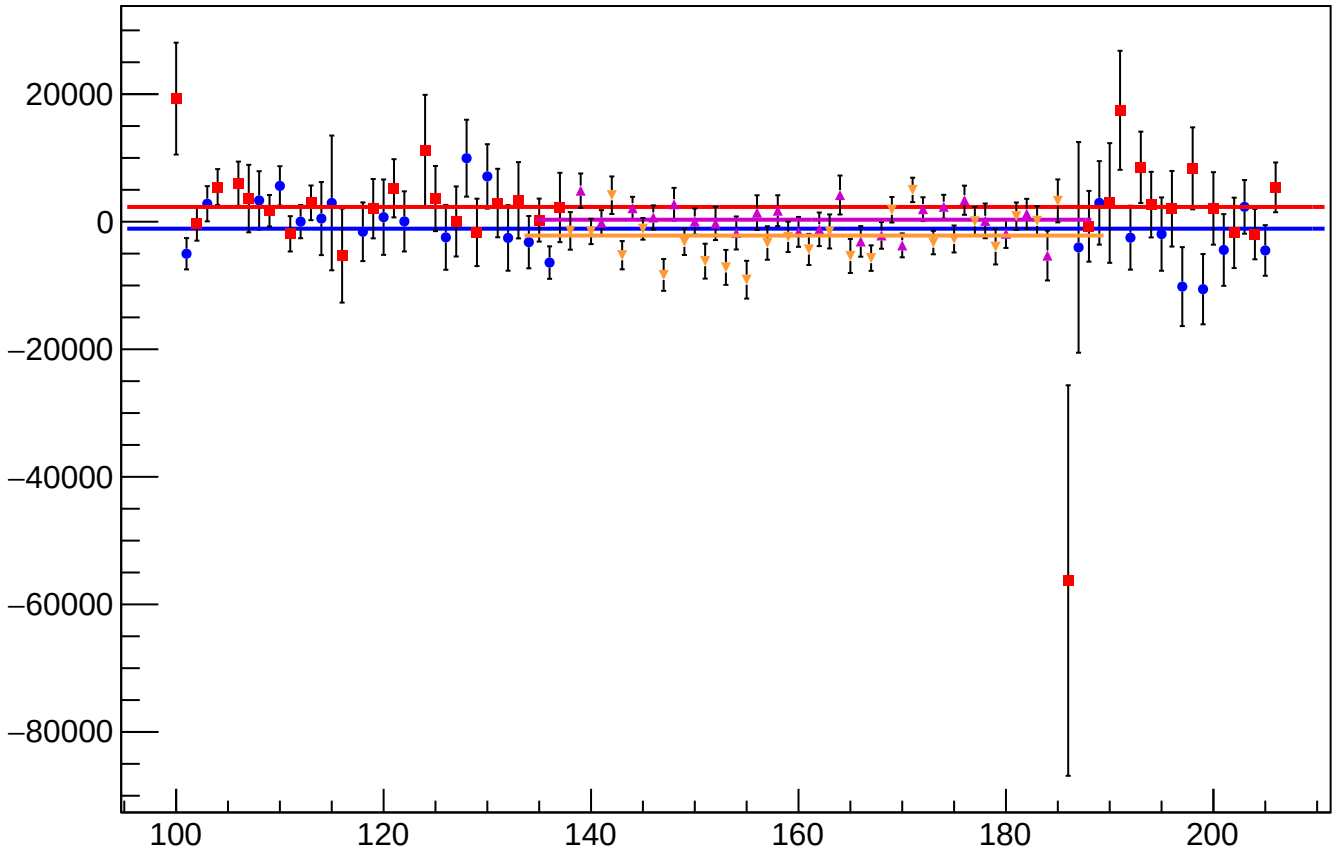
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.355+/-0.036 χ^2/NDF: 4076333.1/55

In: 266.736+/-0.034 χ^2/NDF:2240596.8/47

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.705+/-0.023 χ^2/NDF: 5519610.7/103



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2312.724+/-786.008 χ^2/NDF: 24.3/30

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

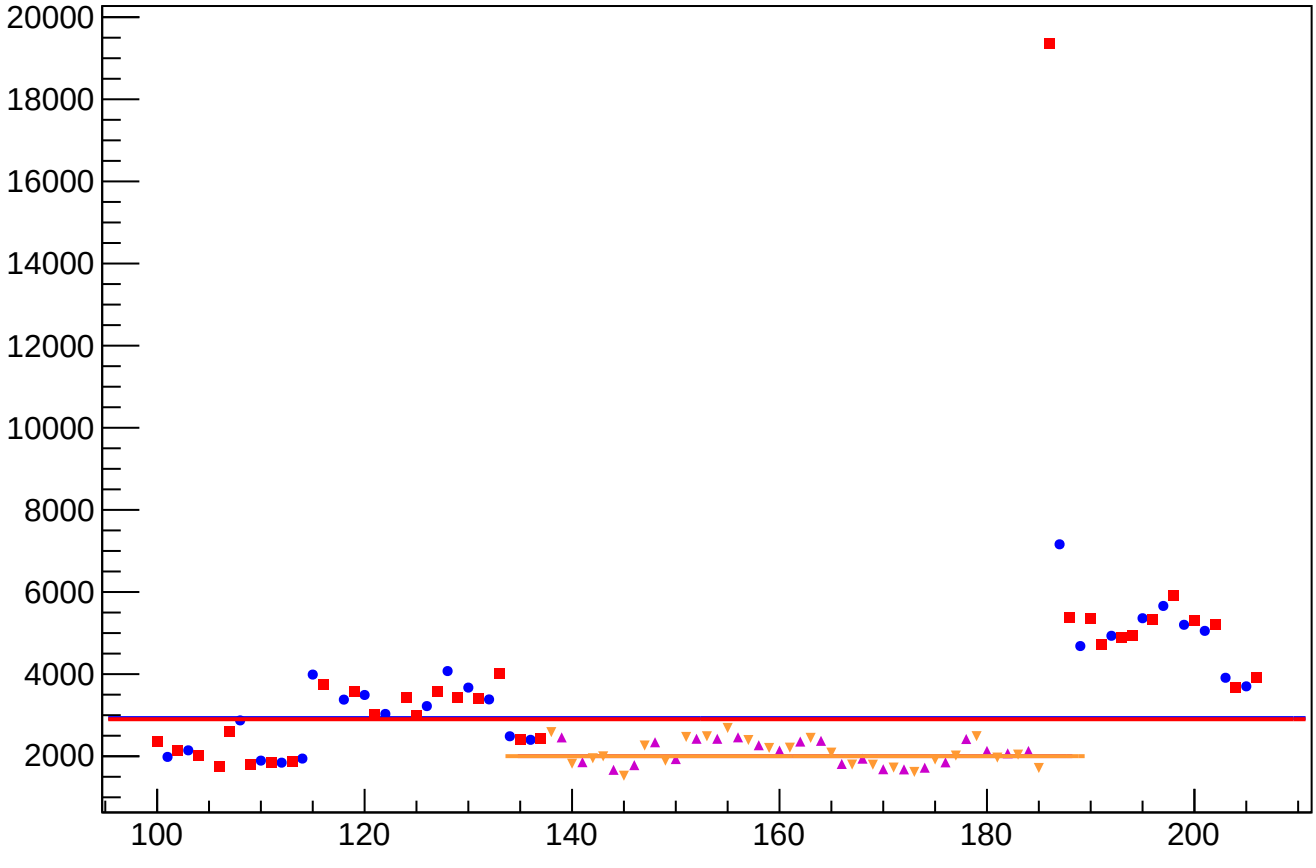
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 719.726+/-573.499 χ^2/NDF: 62.0/55

In: -27.121+/-412.708 χ^2/NDF:54.7/47

Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -542.313+/-286.512 χ^2/NDF: 161.8/103



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

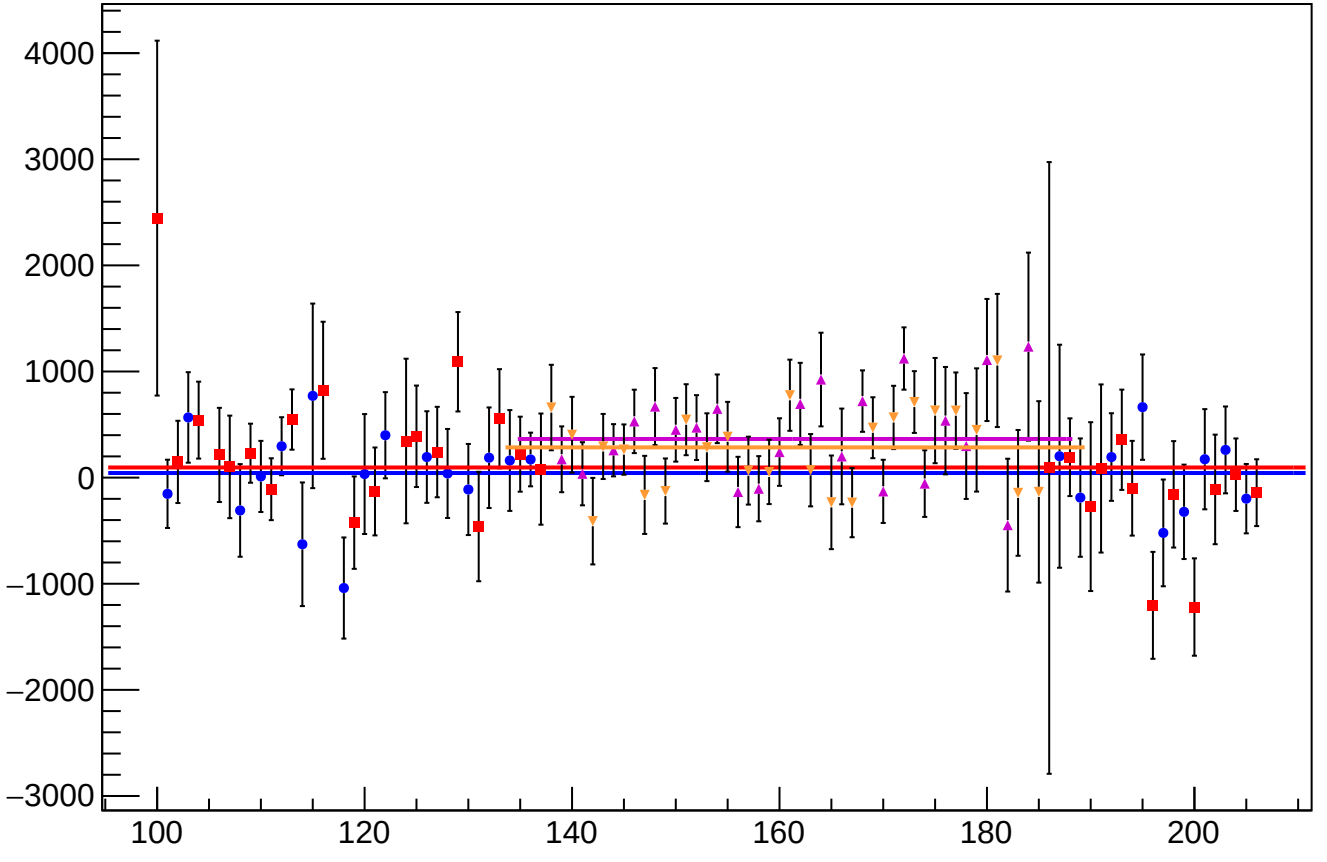
Right: 2914.548+/-0.406 χ^2/NDF: 8855783.6/55

In: 2228.223+/-0.292 χ^2/NDF:6097299.4/47

Out: 2232.941+/-0.281 χ^2/NDF:8145858.5/55

All: 2230.667+/-0.203 χ^2/NDF: 14243293.3/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 43.408+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 95.575+/-77.619 χ^2/NDF: 33.9/30

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

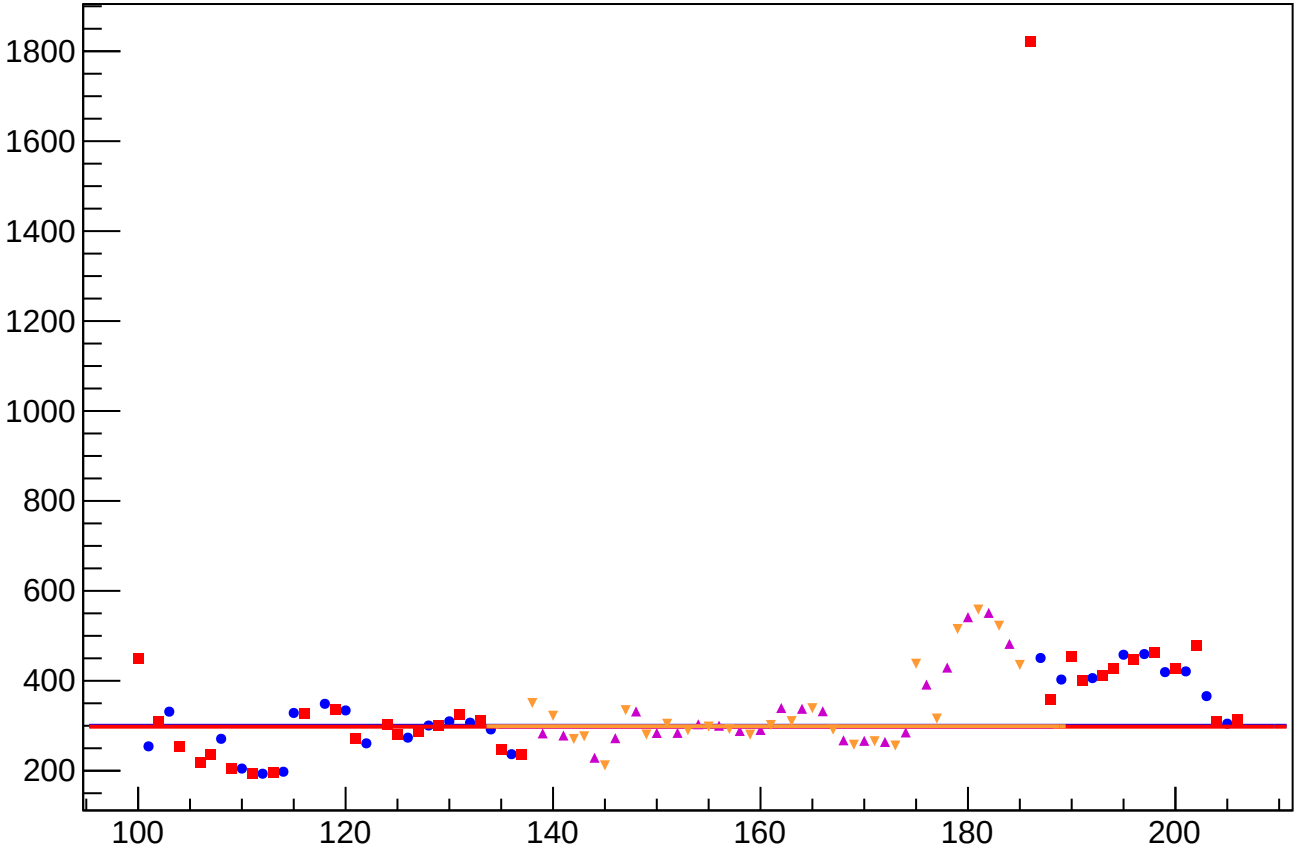
Right: 71.303+/-56.758 χ^2/NDF: 50.8/55

In: 227.456+/-54.323 χ^2/NDF:53.5/47

Out: 199.941+/-51.998 χ^2/NDF:60.0/55

All: 213.097+/-37.563 χ^2/NDF: 113.6/103

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.946+/-0.059 χ^2/NDF: 1742130.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806693.2/30

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

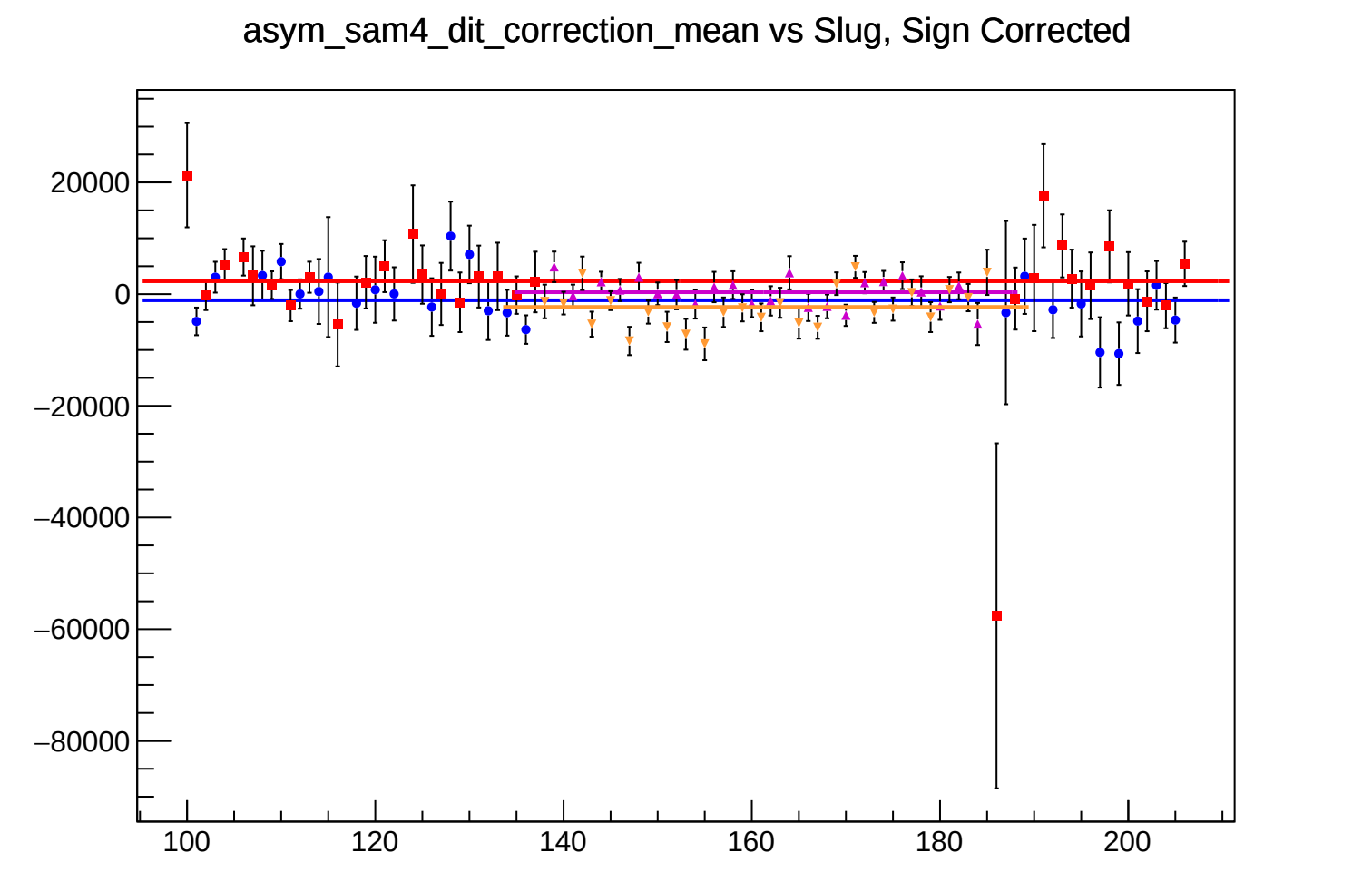
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 298.917+/-0.040 χ^2/NDF: 4549394.7/55

In: 298.763+/-0.038 χ^2/NDF:3061895.8/47

Out: 298.527+/-0.037 χ^2/NDF:4419923.9/55

All: 298.640+/-0.027 χ^2/NDF: 7481839.4/103



Right In: -1103.059+/-847.509 χ^2/NDF: 28.9/24

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2301.626+/-790.926 χ^2/NDF: 25.3/30

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

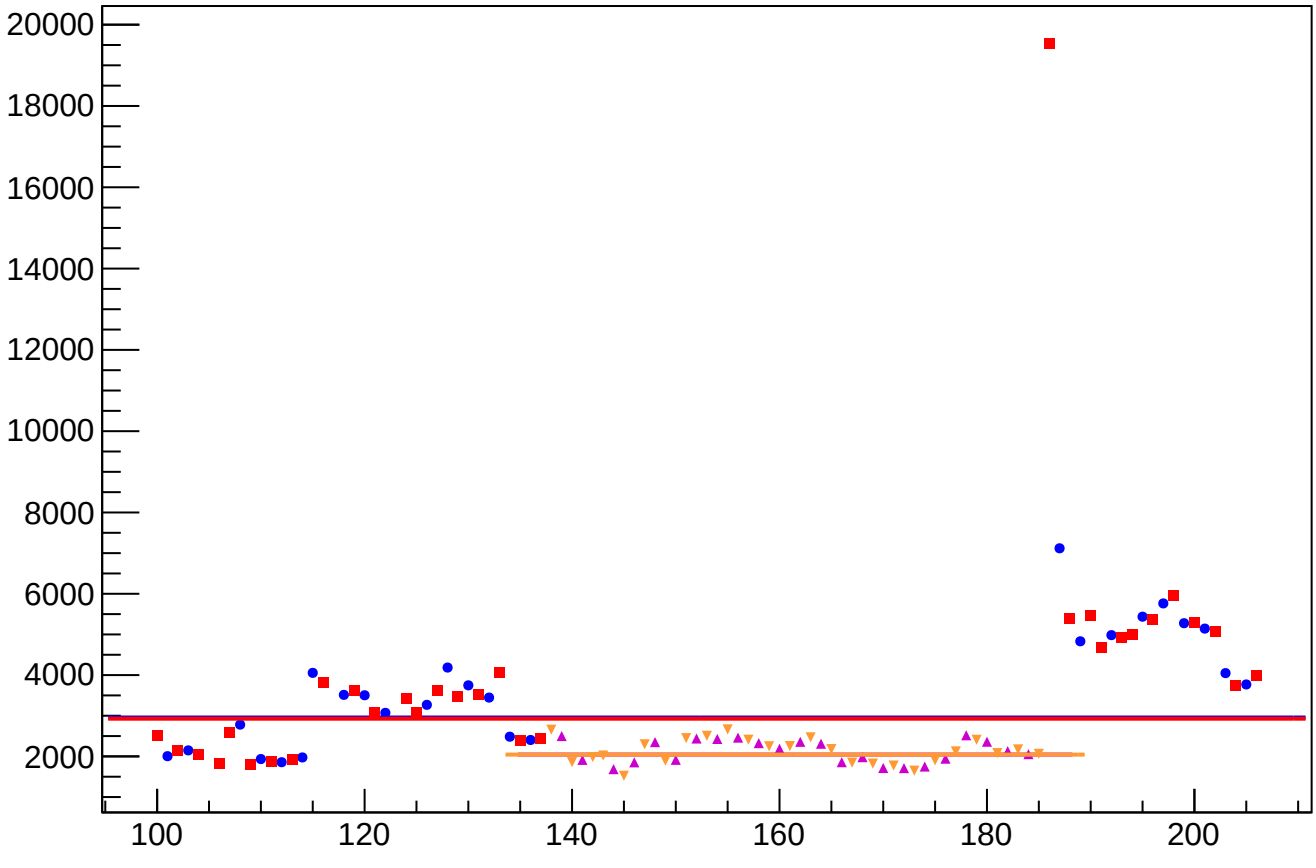
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 716.723+/-578.239 χ^2/NDF: 62.9/55

In: -12.488+/-420.033 χ^2/NDF:54.0/47

Out: -1090.515+/-404.373 χ^2/NDF:101.9/55

All: -571.971+/-291.314 χ^2/NDF: 159.3/103



Right In: 2956.484+/-0.599 χ^2/NDF: 3632654.7/24

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2927.608+/-0.559 χ^2/NDF: 5273423.5/30

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

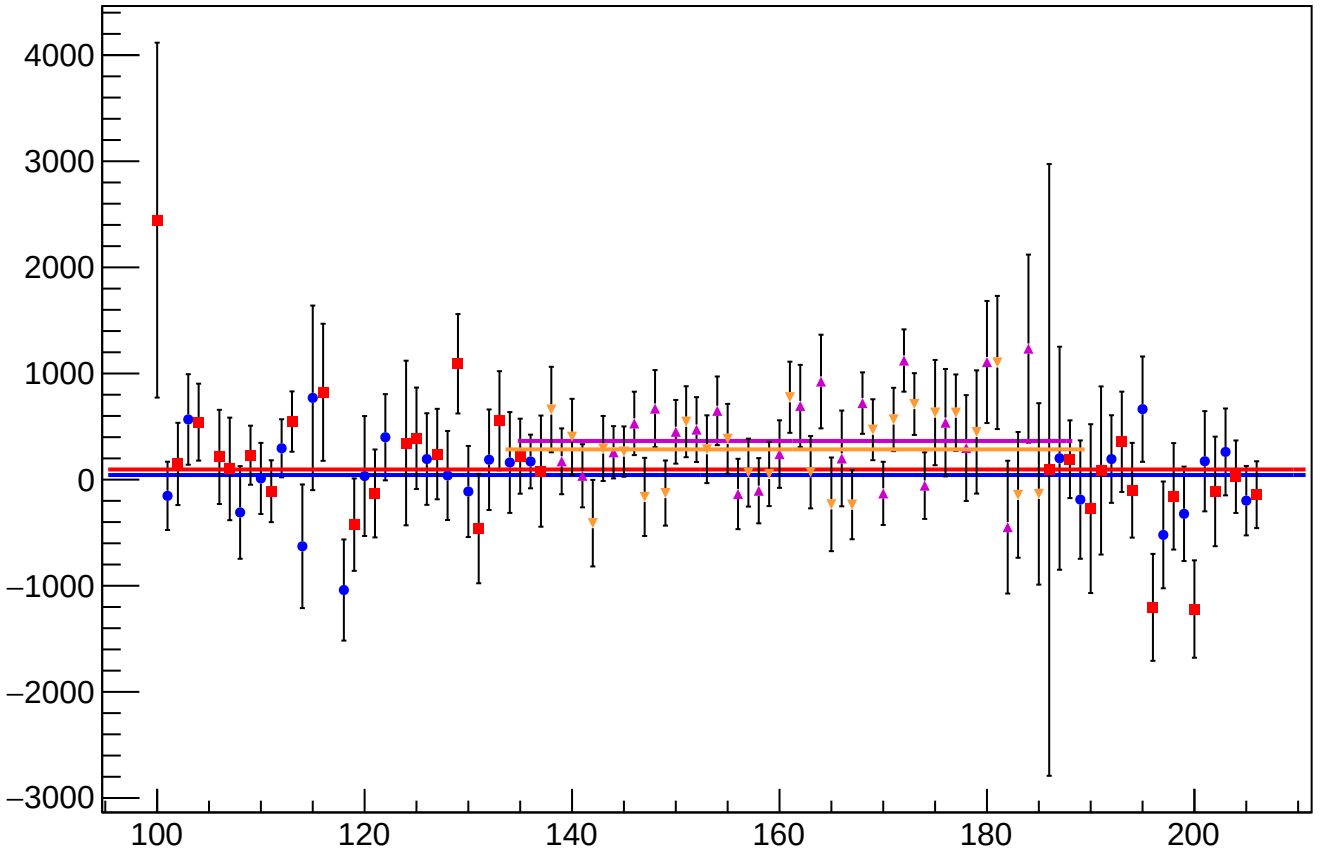
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2941.050+/-0.409 χ^2/NDF: 8907319.1/55

In: 2269.021+/-0.297 χ^2/NDF:6067310.0/47

Out: 2274.781+/-0.286 χ^2/NDF:7971581.6/55

All: 2272.010+/-0.206 χ^2/NDF: 14039086.8/1



Right In: 43.413+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 95.575+/-77.619 χ^2/NDF: 33.9/30

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

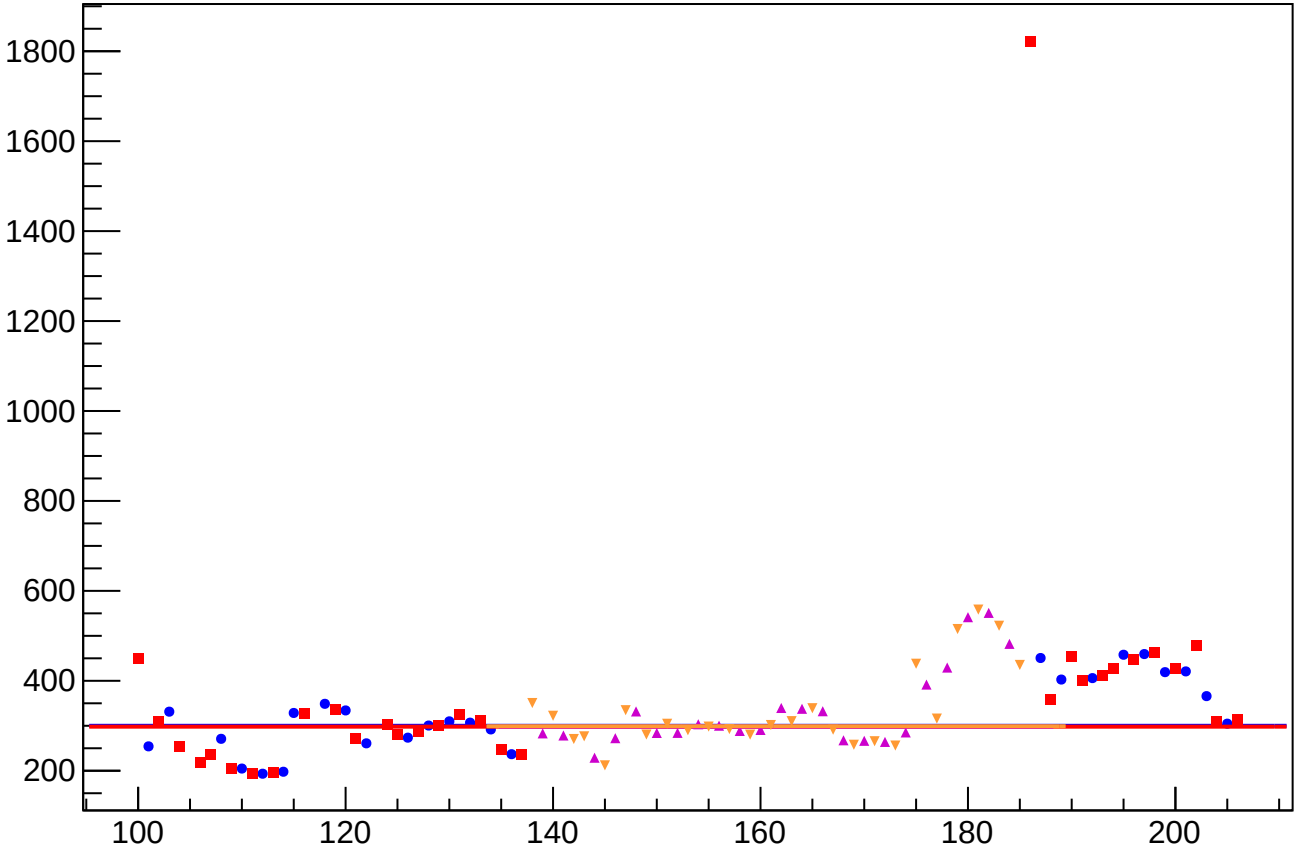
Right: 71.305+/-56.758 χ^2/NDF: 50.8/55

In: 227.458+/-54.323 χ^2/NDF:53.5/47

Out: 199.944+/-51.998 χ^2/NDF:60.0/55

All: 213.100+/-37.563 χ^2/NDF: 113.6/103

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.946+/-0.059 χ^2/NDF: 1742117.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806699.5/30

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

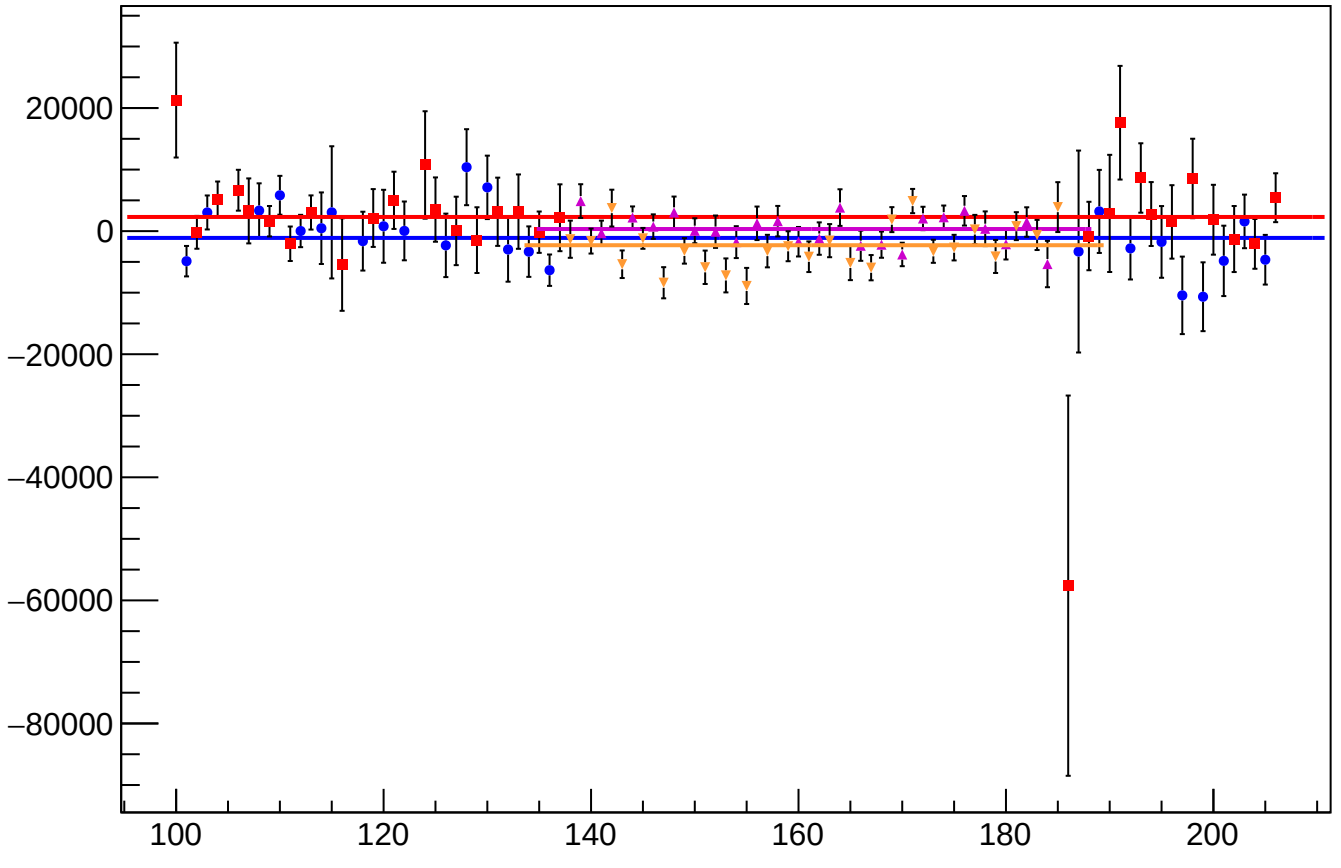
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 298.917+/-0.040 χ^2/NDF: 4549388.0/55

In: 298.763+/-0.038 χ^2/NDF:3061864.2/47

Out: 298.527+/-0.037 χ^2/NDF:4419927.5/55

All: 298.640+/-0.027 χ^2/NDF: 7481811.5/103



Right In: -1103.059+/-847.508 χ^2/NDF: 28.9/24

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2301.624+/-790.926 χ^2/NDF: 25.3/30

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

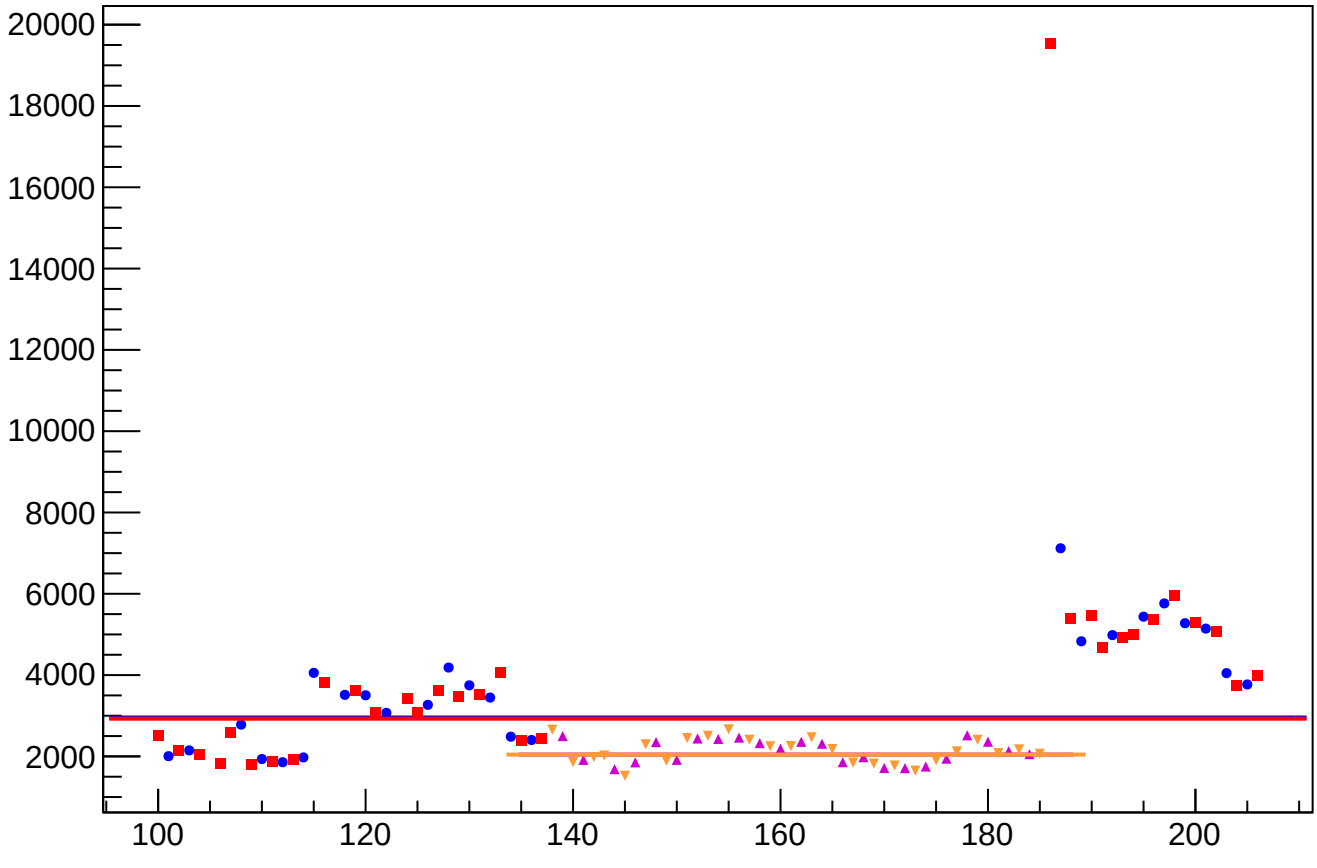
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 716.722+/-578.238 χ^2/NDF: 62.9/55

In: -12.489+/-420.033 χ^2/NDF:54.0/47

Out: -1090.513+/-404.373 χ^2/NDF:101.9/55

All: -571.971+/-291.314 χ^2/NDF: 159.3/103



Right In: 2956.482+/-0.599 χ^2/NDF: 3632651.8/24

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2927.606+/-0.559 χ^2/NDF: 5273419.2/30

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

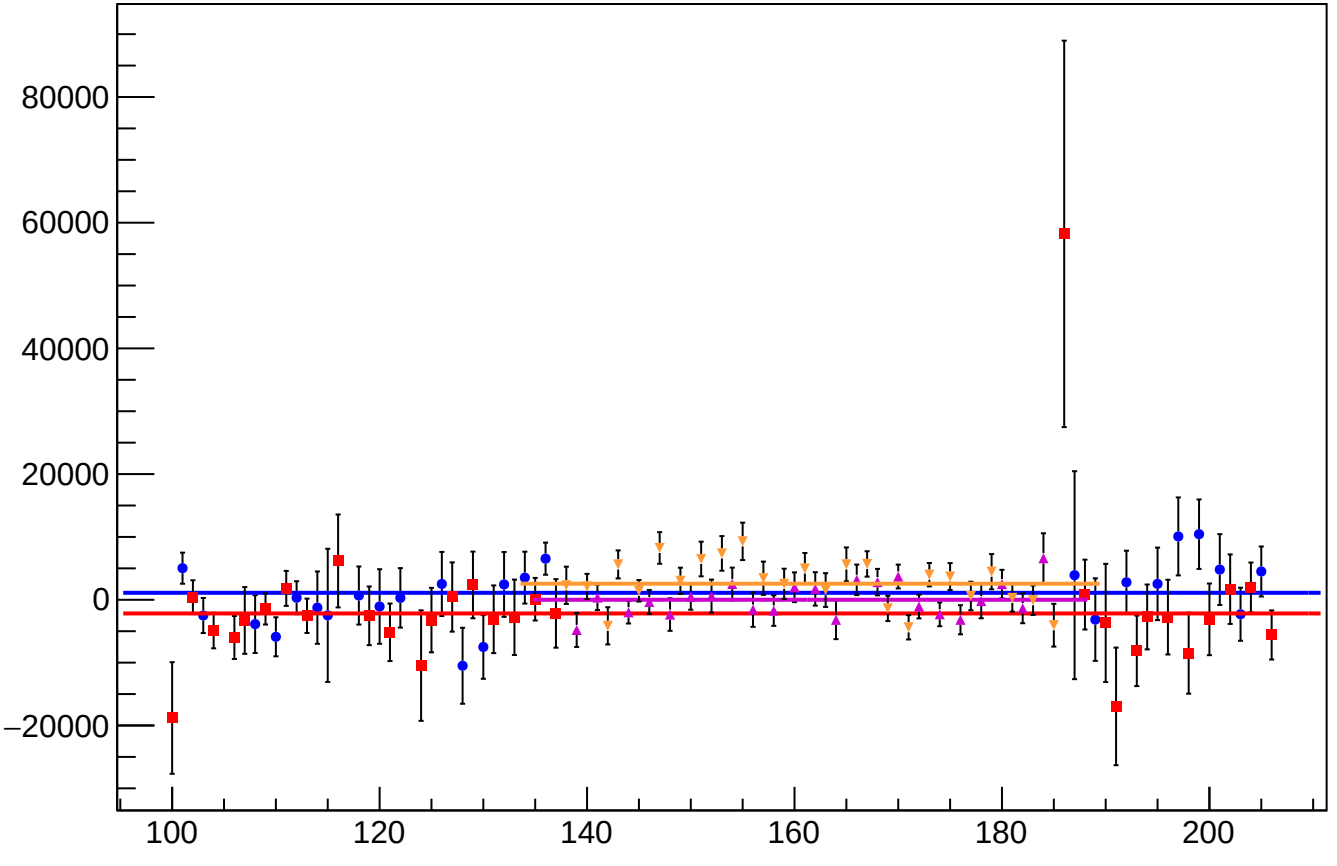
Right: 2941.048+/-0.409 χ^2/NDF: 8907312.0/55

In: 2269.018+/-0.297 χ^2/NDF:6067311.4/47

Out: 2274.778+/-0.286 χ^2/NDF:7971587.1/55

All: 2272.007+/-0.206 χ^2/NDF: 14039093.7/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1110.589+/-842.845 χ^2/NDF: 29.9/24

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2174.384+/-789.111 χ^2/NDF: 24.1/30

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

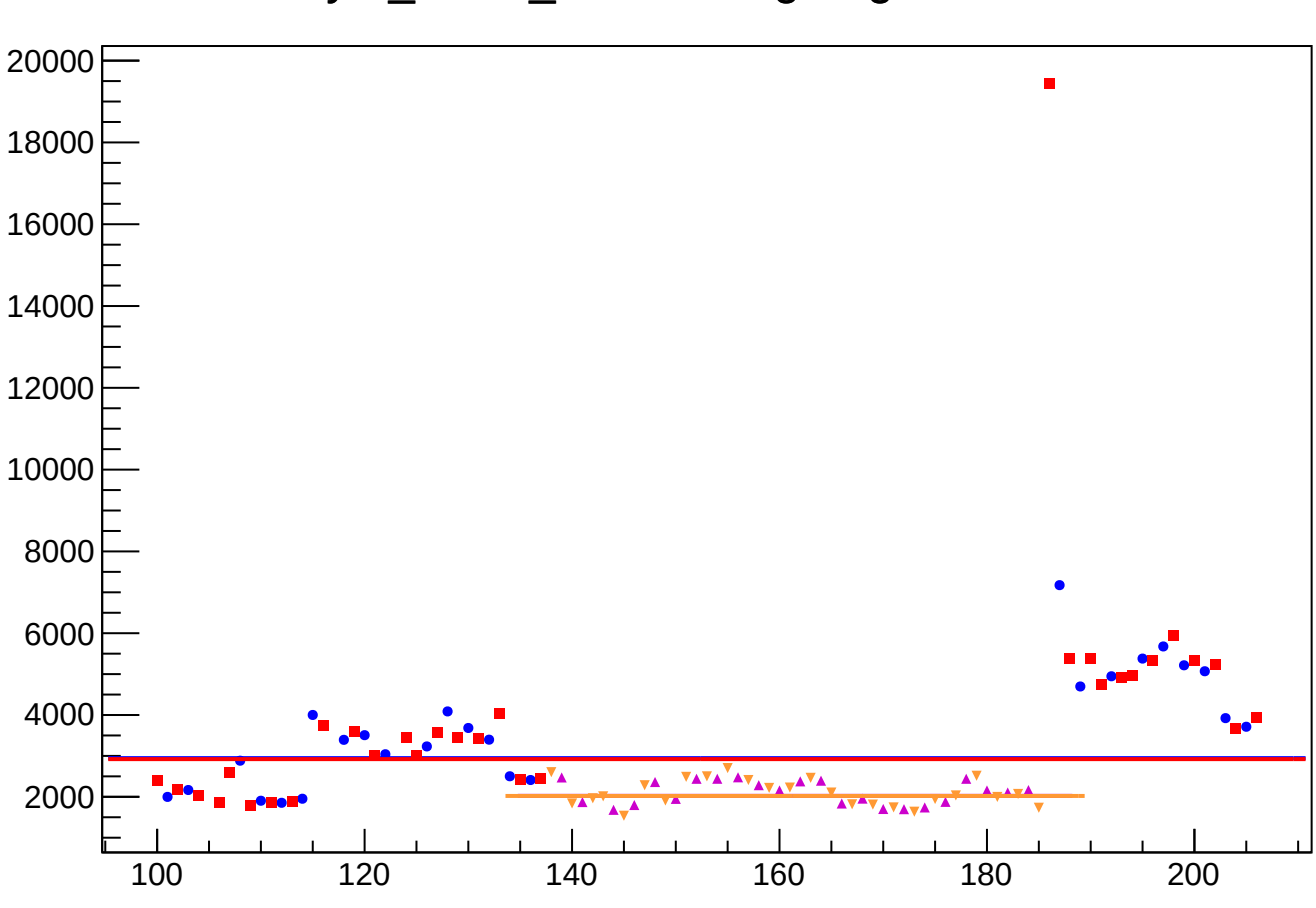
Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

Right: -639.942+/-576.046 χ^2/NDF: 62.1/55

In: 273.340+/-416.127 χ^2/NDF:55.9/47

Out: 1335.367+/-401.221 χ^2/NDF:103.4/55

All: 823.714+/-288.832 χ^2/NDF: 162.7/103



Right In: 2945.411+/-0.596 χ^2/NDF: 3522828.3/24

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2921.572+/-0.558 χ^2/NDF: 5239260.6/30

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

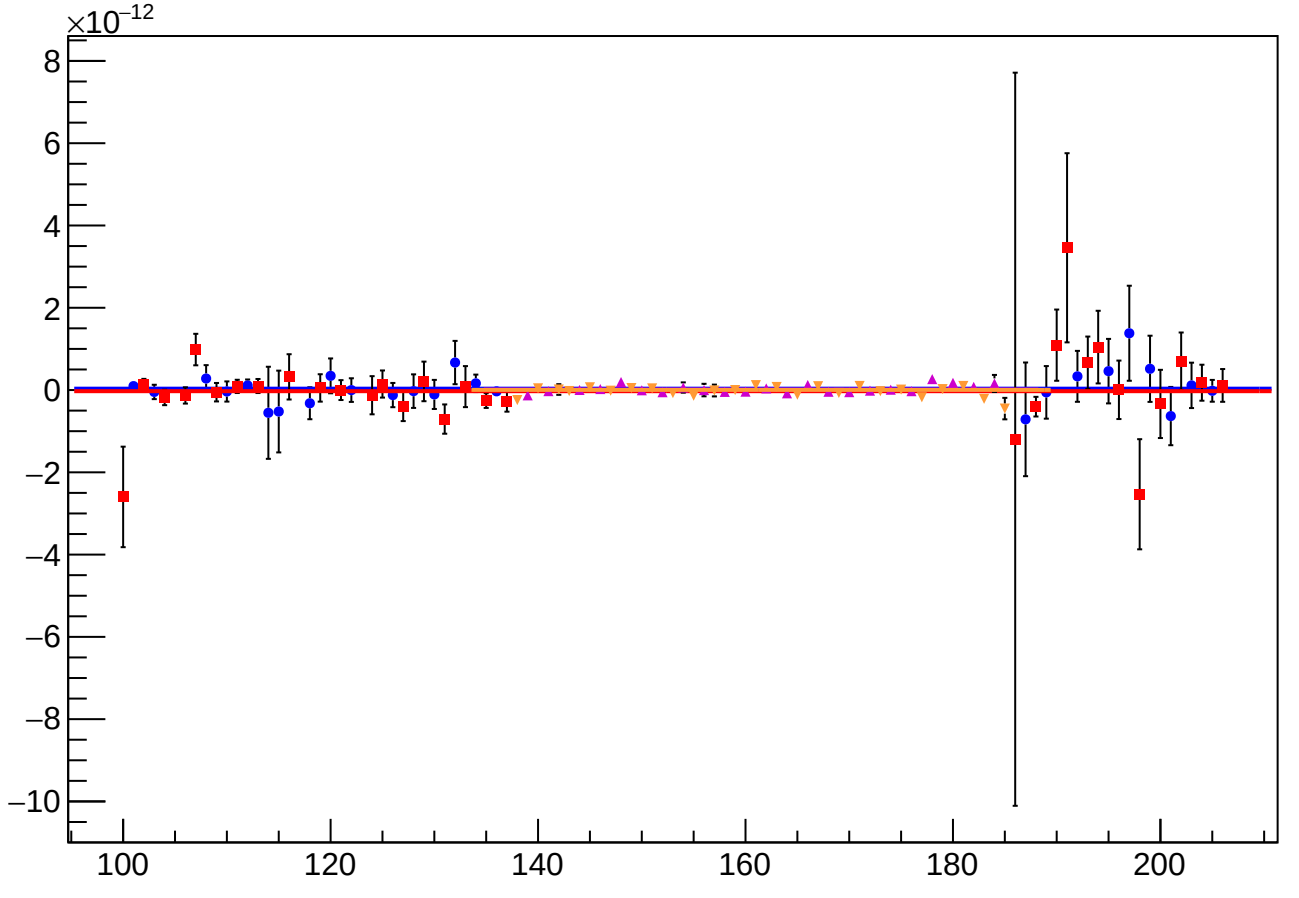
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2932.707+/-0.407 χ^2/NDF: 8762941.4/55

In: 2248.058+/-0.294 χ^2/NDF:6029299.2/47

Out: 2254.012+/-0.284 χ^2/NDF:8050976.0/55

All: 2251.143+/-0.204 χ^2/NDF: 14080487.4/



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/30

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

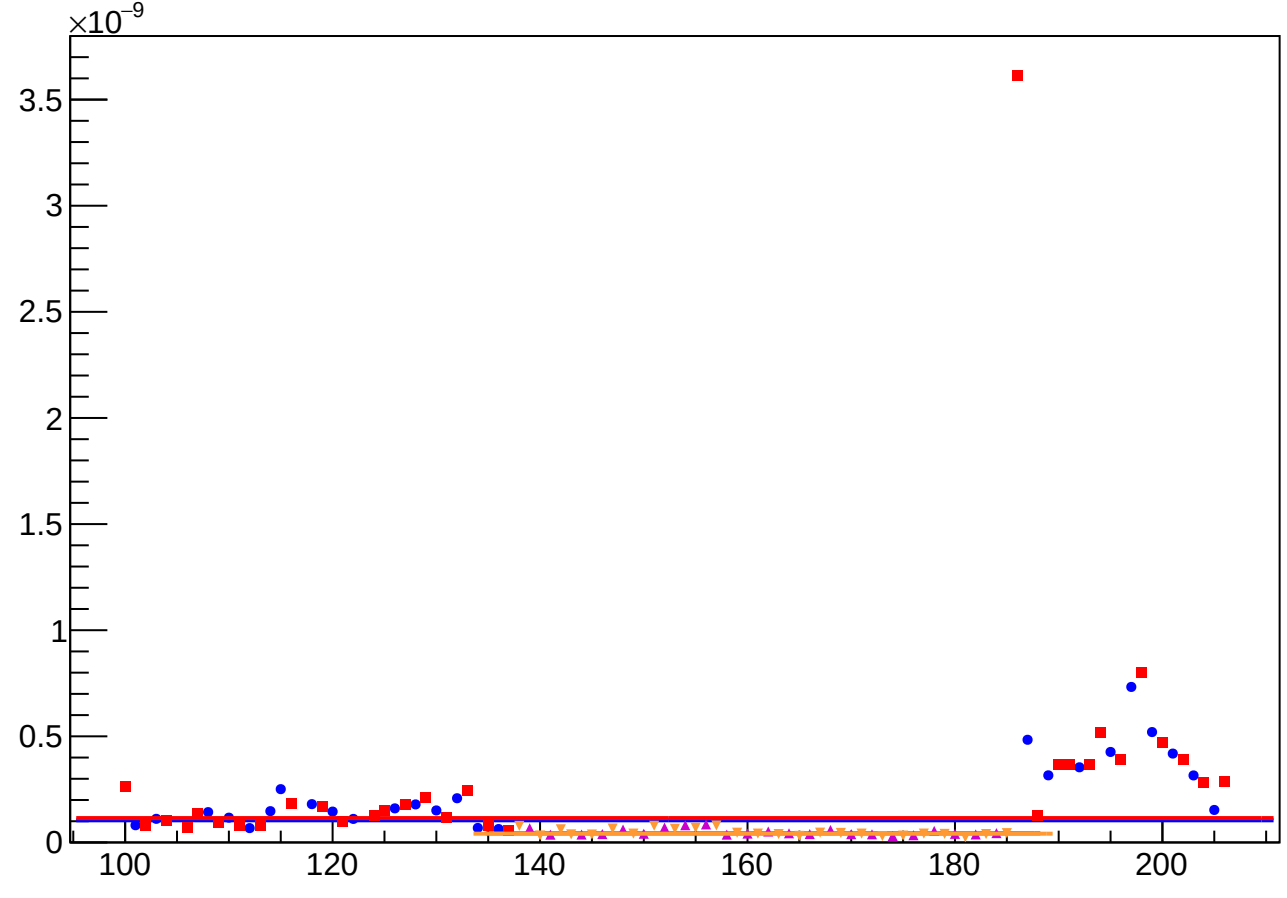
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.7/55

In: 0.000+/-0.000 χ^2/NDF:30.6/47

Out: 0.000+/-0.000 χ^2/NDF:69.8/55

All: 0.000+/-0.000 χ^2/NDF: 100.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 3982295.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4476822.0/30

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

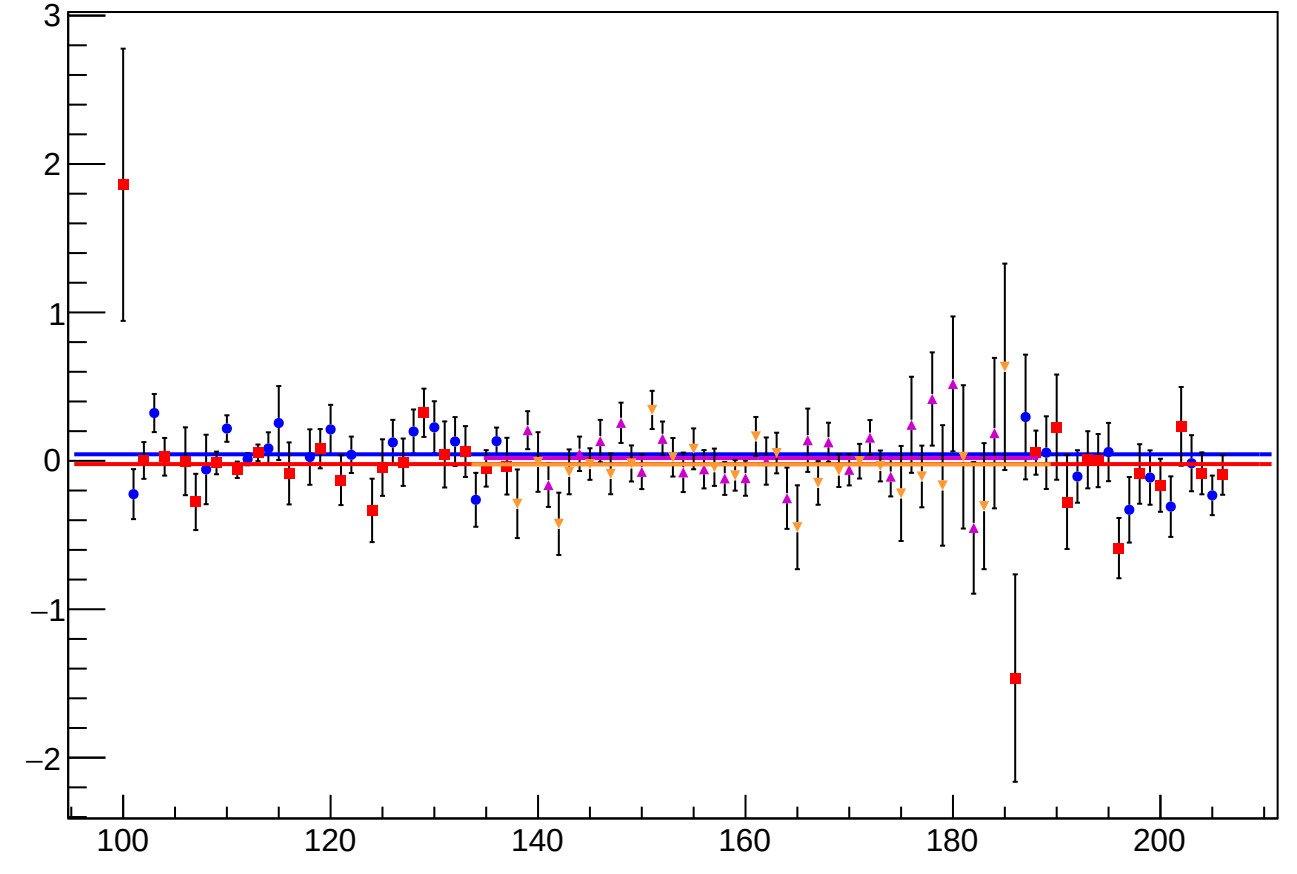
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8500872.8/55

In: 0.000+/-0.000 χ^2/NDF:7565302.3/47

Out: 0.000+/-0.000 χ^2/NDF:9287194.7/55

All: 0.000+/-0.000 χ^2/NDF: 16864777.8/103



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

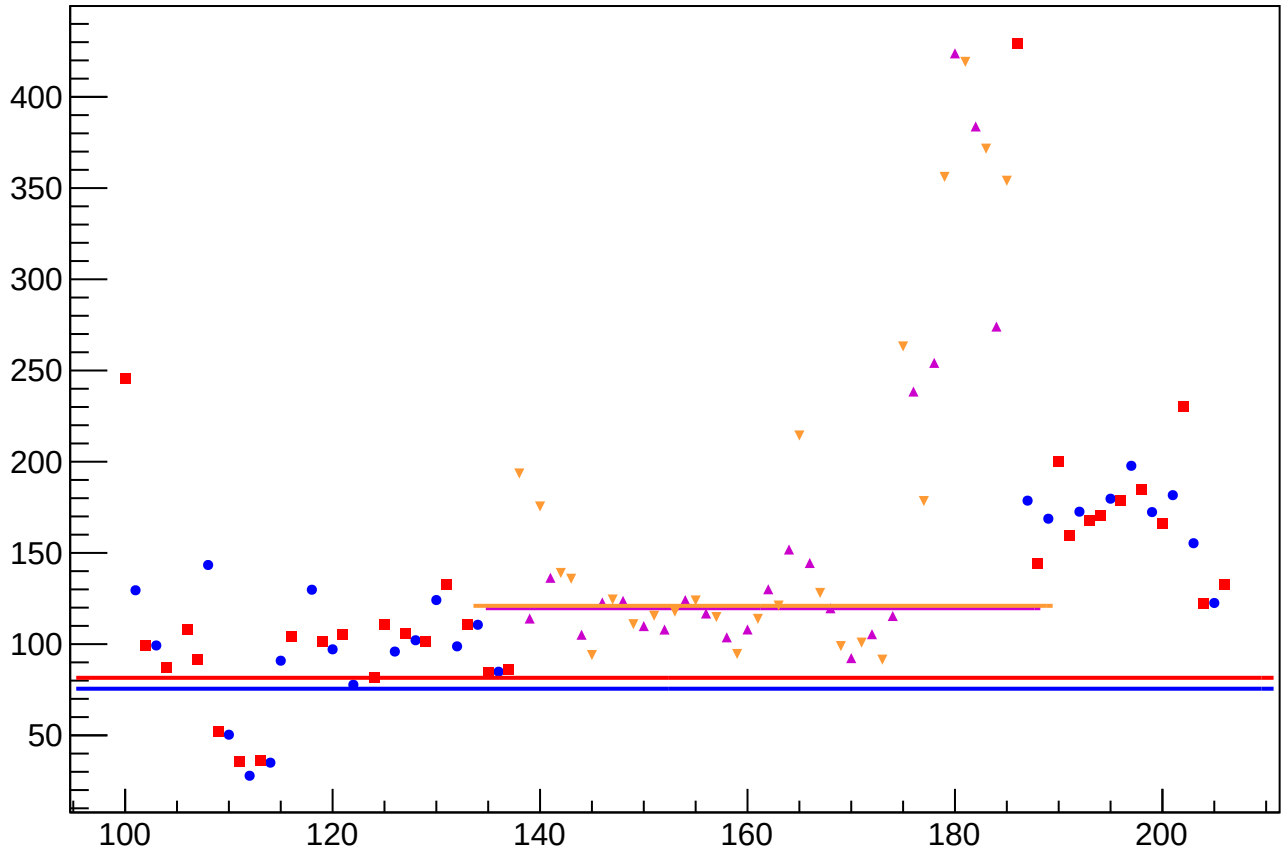
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.010+/-0.017 χ^2/NDF: 68.3/55

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.005+/-0.013 χ^2/NDF: 114.7/103



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

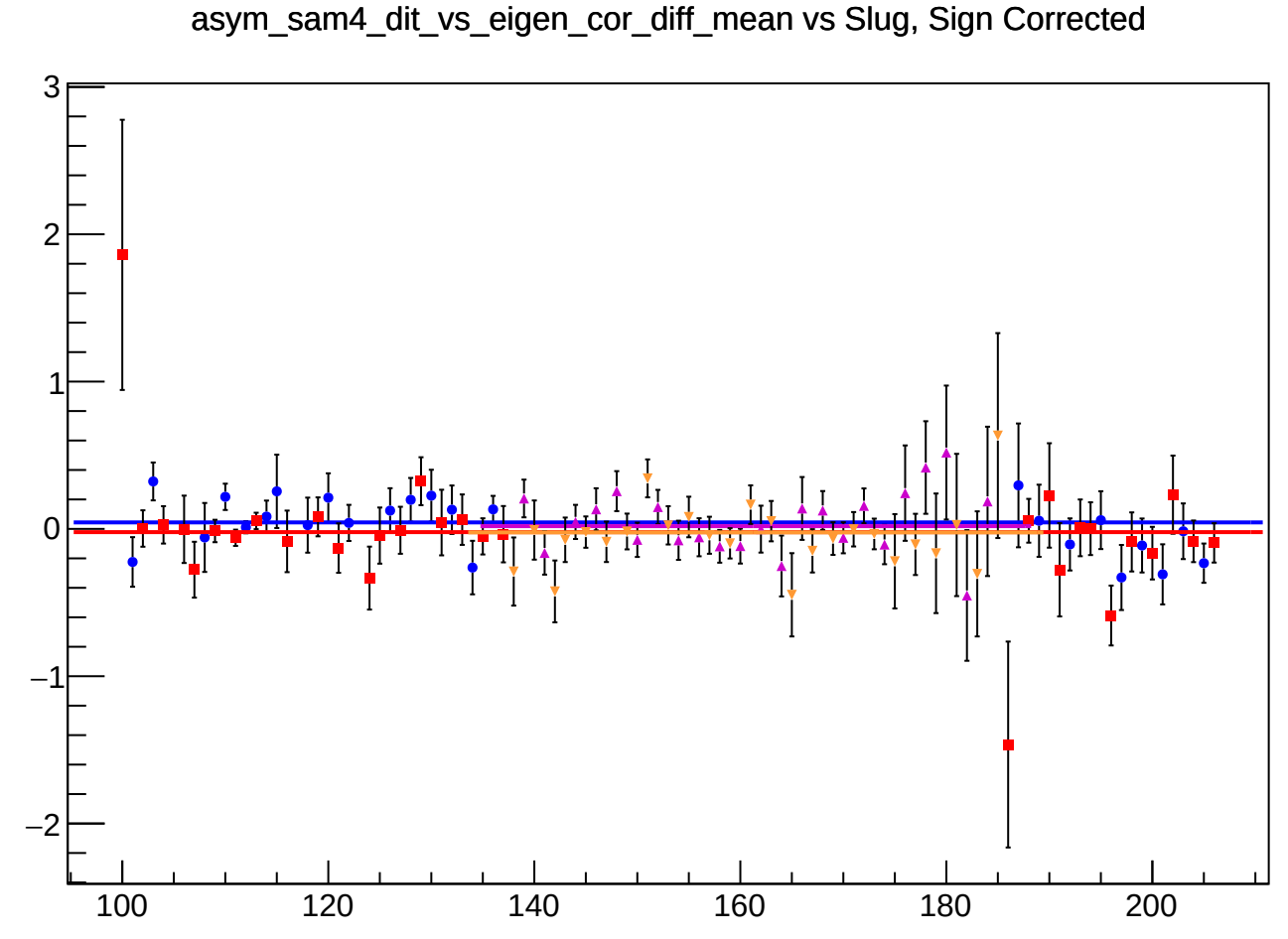
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 78.640+/-0.012 χ^2/NDF: 16290038.6/55

In: 93.416+/-0.014 χ^2/NDF:13436308.8/47

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.312+/-0.010 χ^2/NDF: 27846486.5/103



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

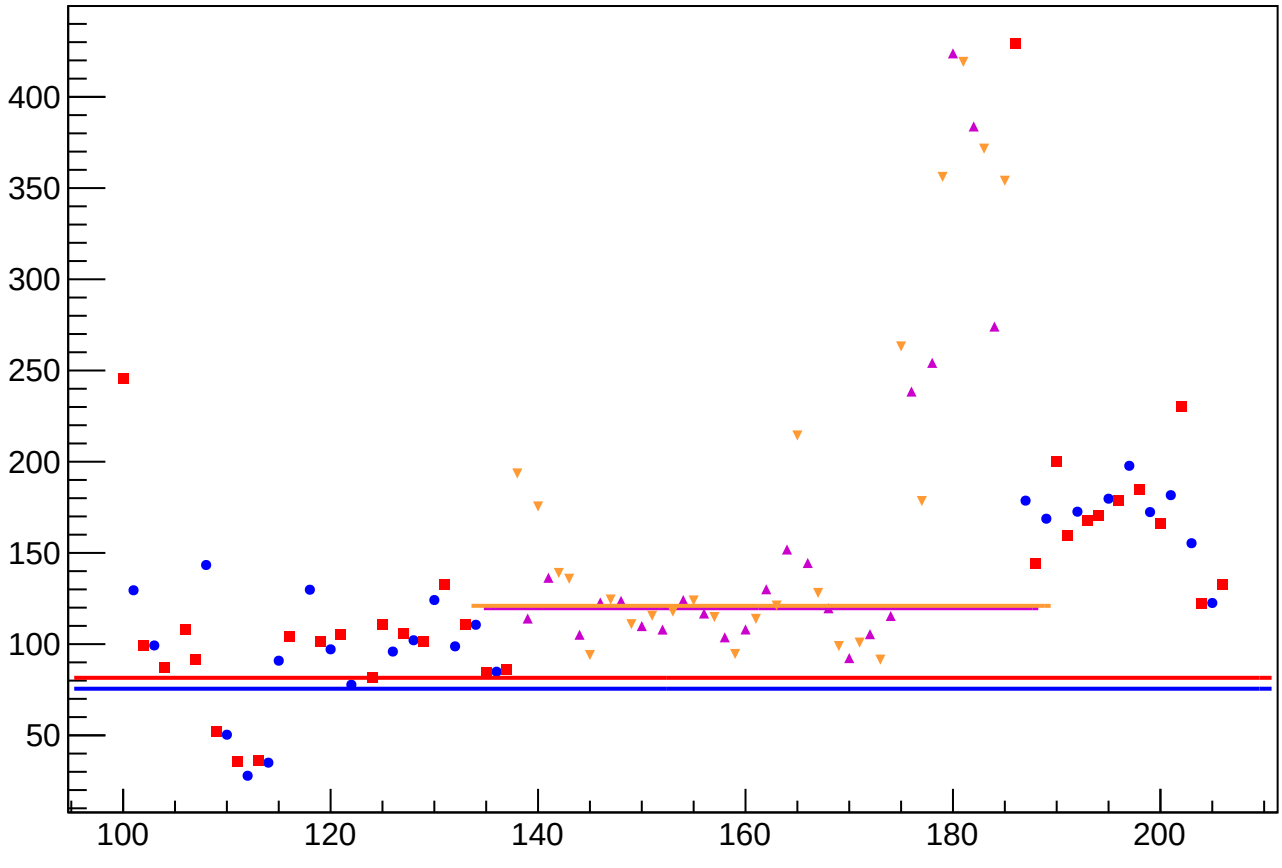
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.010+/-0.017 χ^2/NDF: 68.3/55

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.005+/-0.013 χ^2/NDF: 114.7/103



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

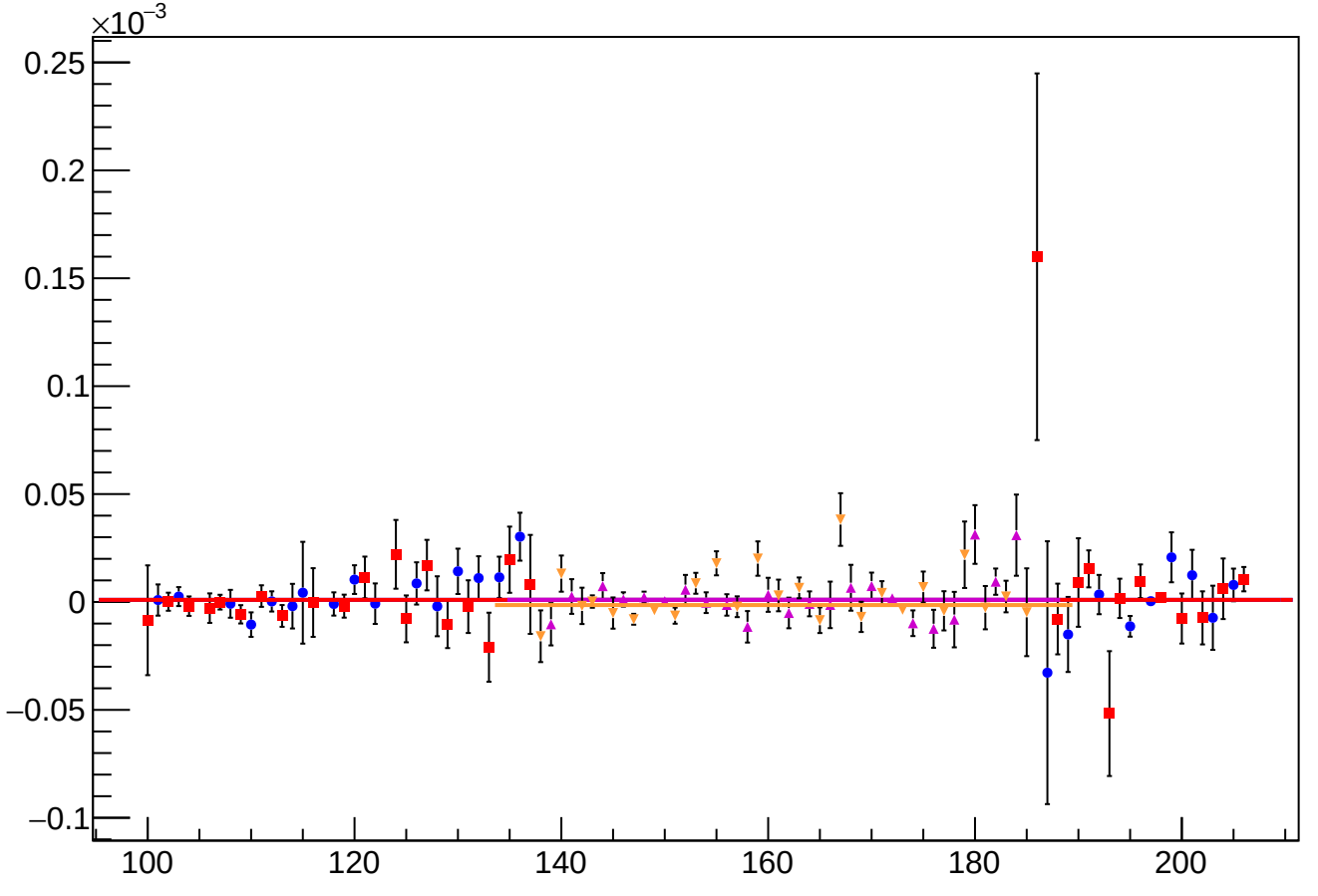
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 78.640+/-0.012 χ^2/NDF: 16290038.6/55

In: 93.416+/-0.014 χ^2/NDF:13436308.8/47

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.312+/-0.010 χ^2/NDF: 27846486.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/30

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

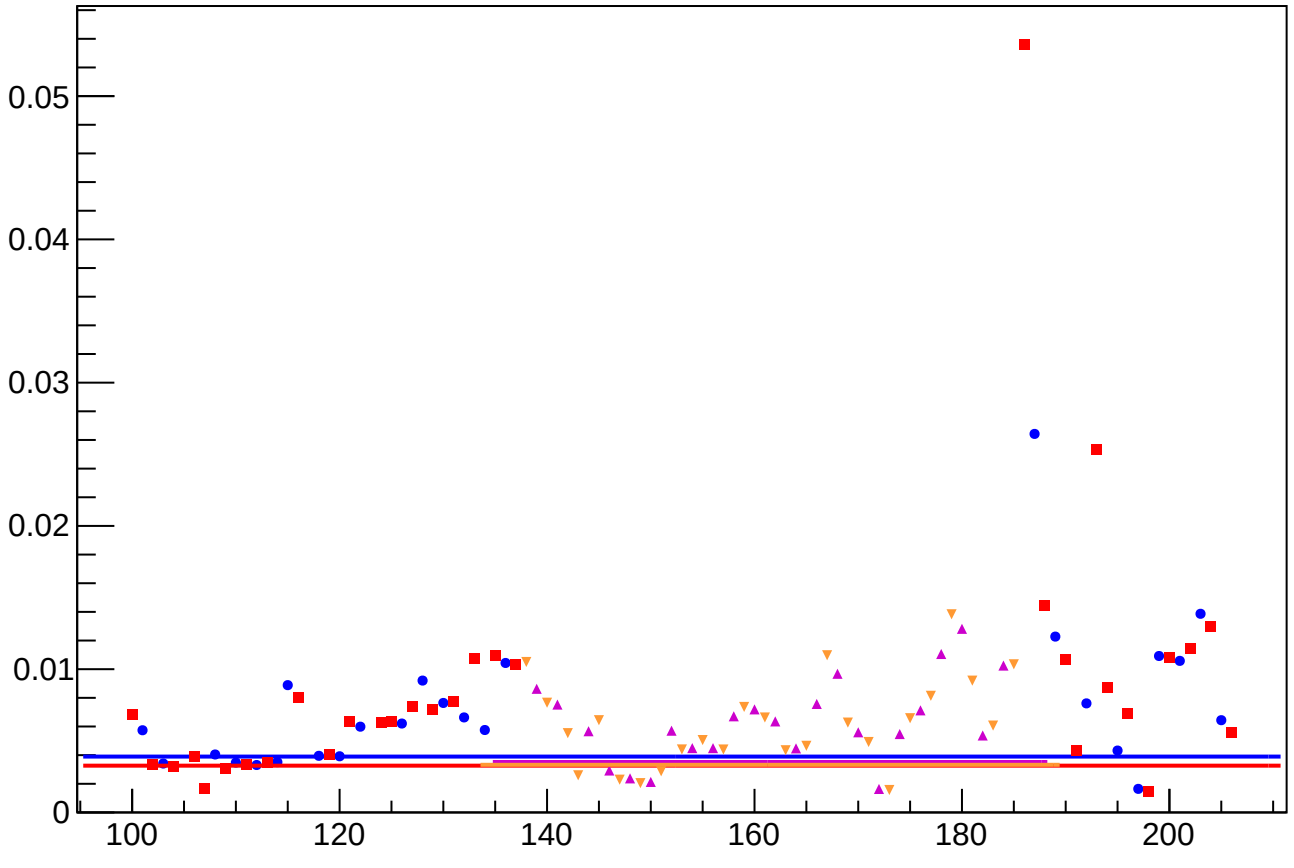
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 62.8/55

In: 0.000+/-0.000 χ^2/NDF:55.2/47

Out: -0.000+/-0.000 χ^2/NDF:95.5/55

All: 0.000+/-0.000 χ^2/NDF: 152.6/103



Right In: 0.004+/-0.000 χ^2/NDF: 7703321.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12681272.4/30

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

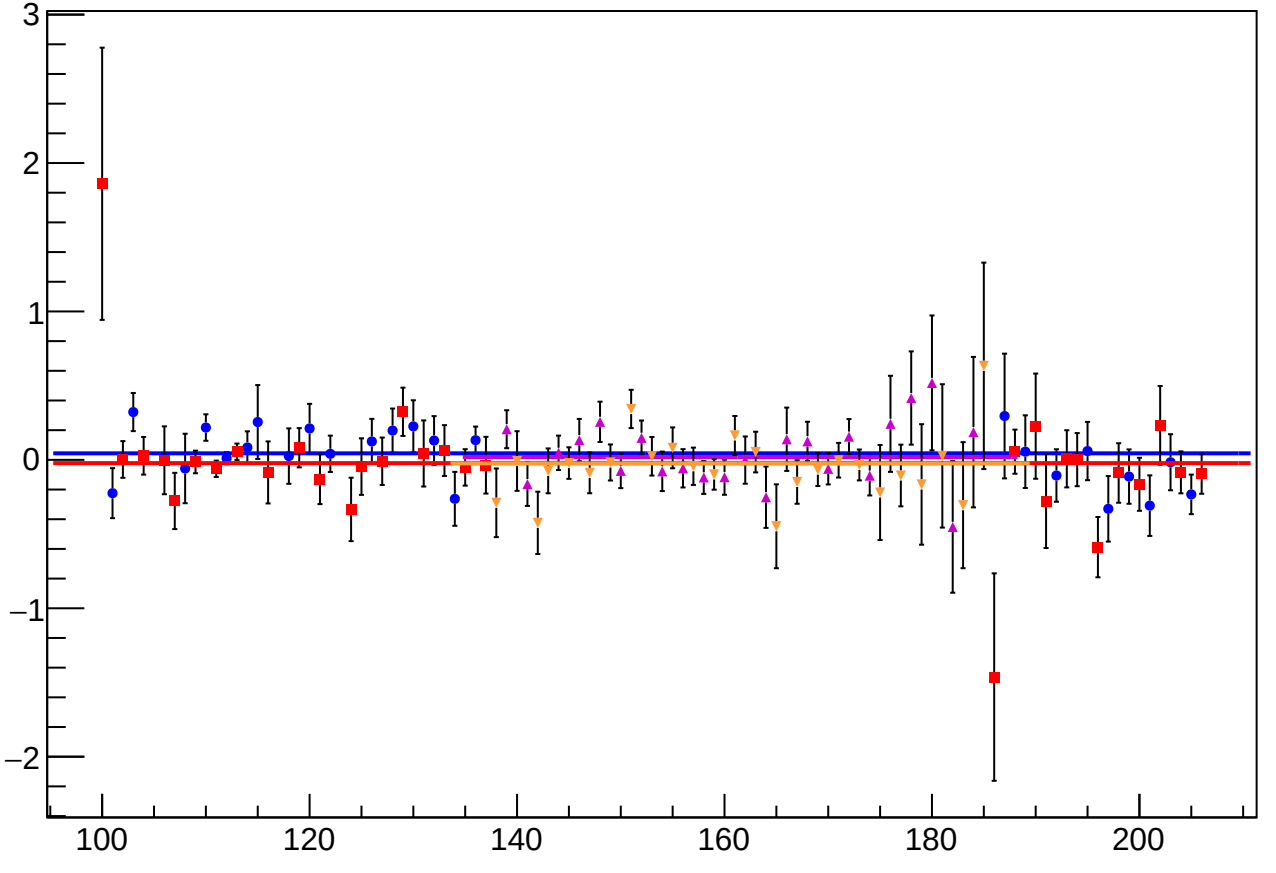
Right: 0.004+/-0.000 χ^2/NDF: 20677123.3/55

In: 0.004+/-0.000 χ^2/NDF:17239000.7/47

Out: 0.003+/-0.000 χ^2/NDF:23171140.5/55

All: 0.003+/-0.000 χ^2/NDF: 40653516.5/103

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

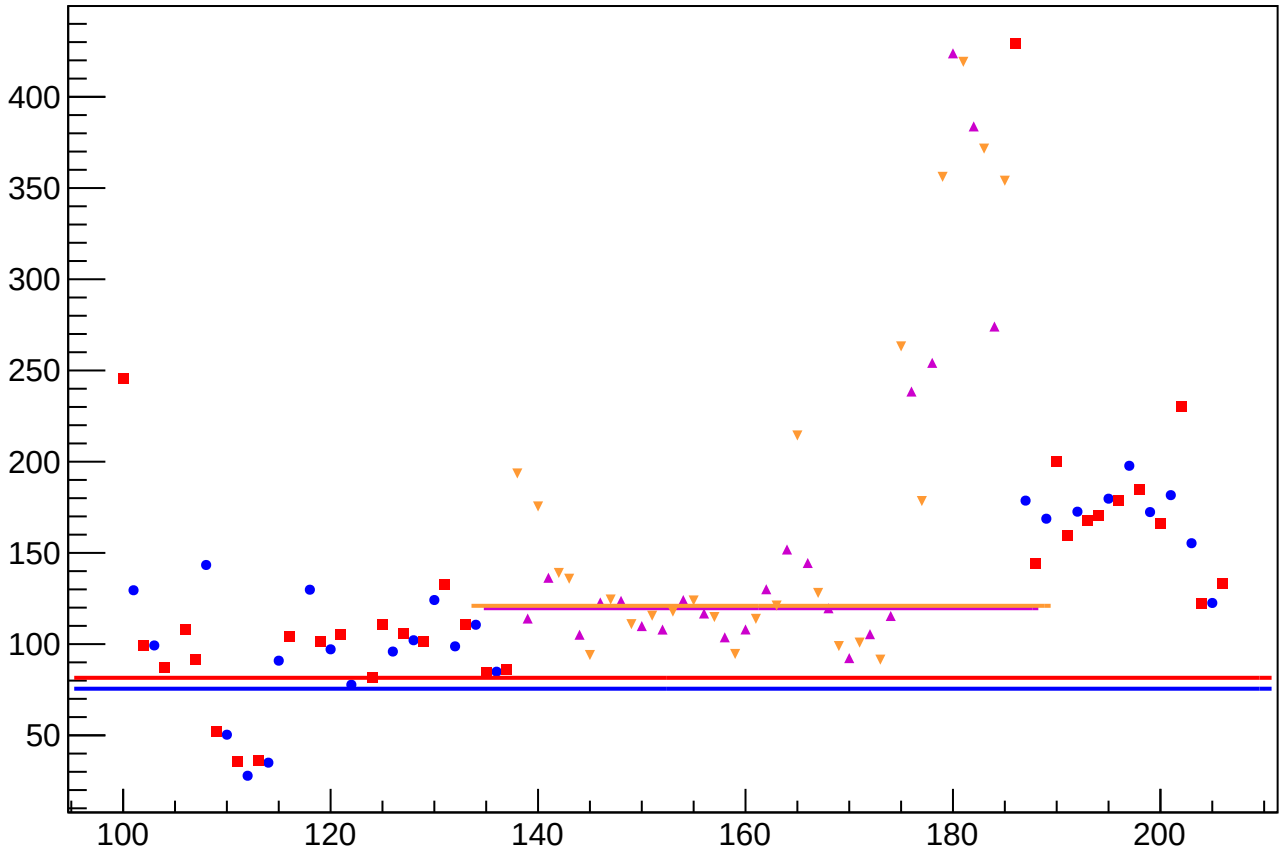
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.010+/-0.017 χ^2/NDF: 68.3/55

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.005+/-0.013 χ^2/NDF: 114.7/103



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

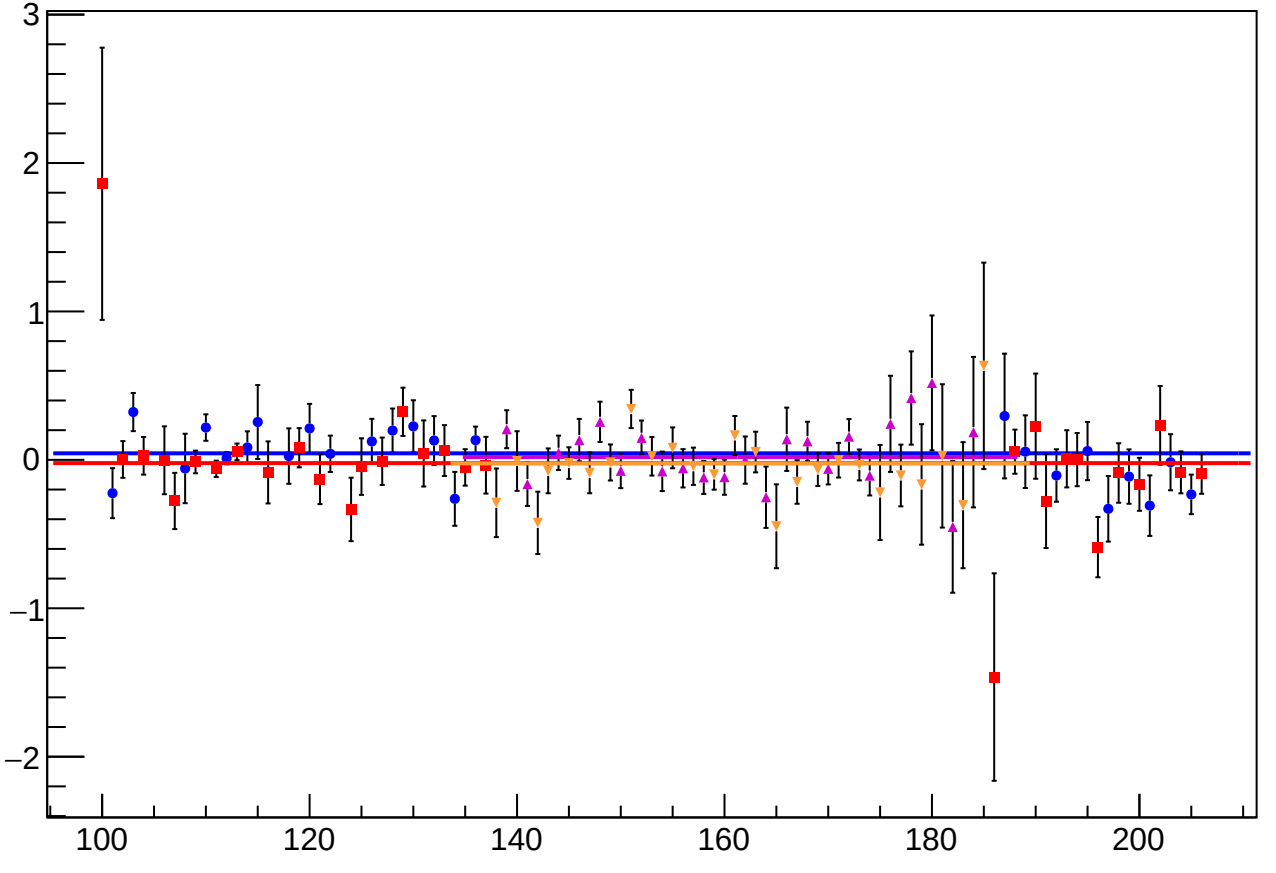
Right: 78.638+/-0.012 χ^2/NDF: 16290927.7/55

In: 93.415+/-0.014 χ^2/NDF:13437037.3/47

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.311+/-0.010 χ^2/NDF: 27847967.5/103

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

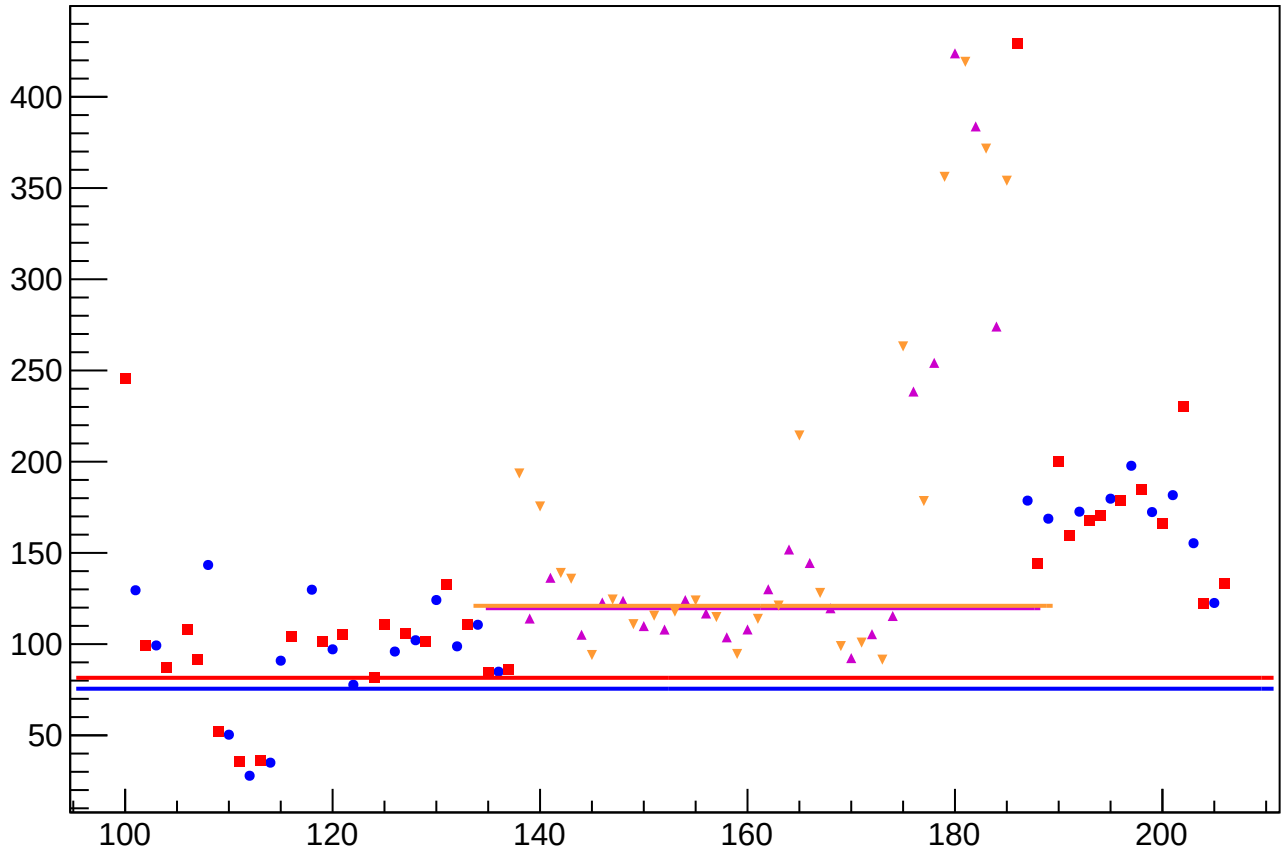
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.010+/-0.017 χ^2/NDF: 68.3/55

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.005+/-0.013 χ^2/NDF: 114.7/103



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

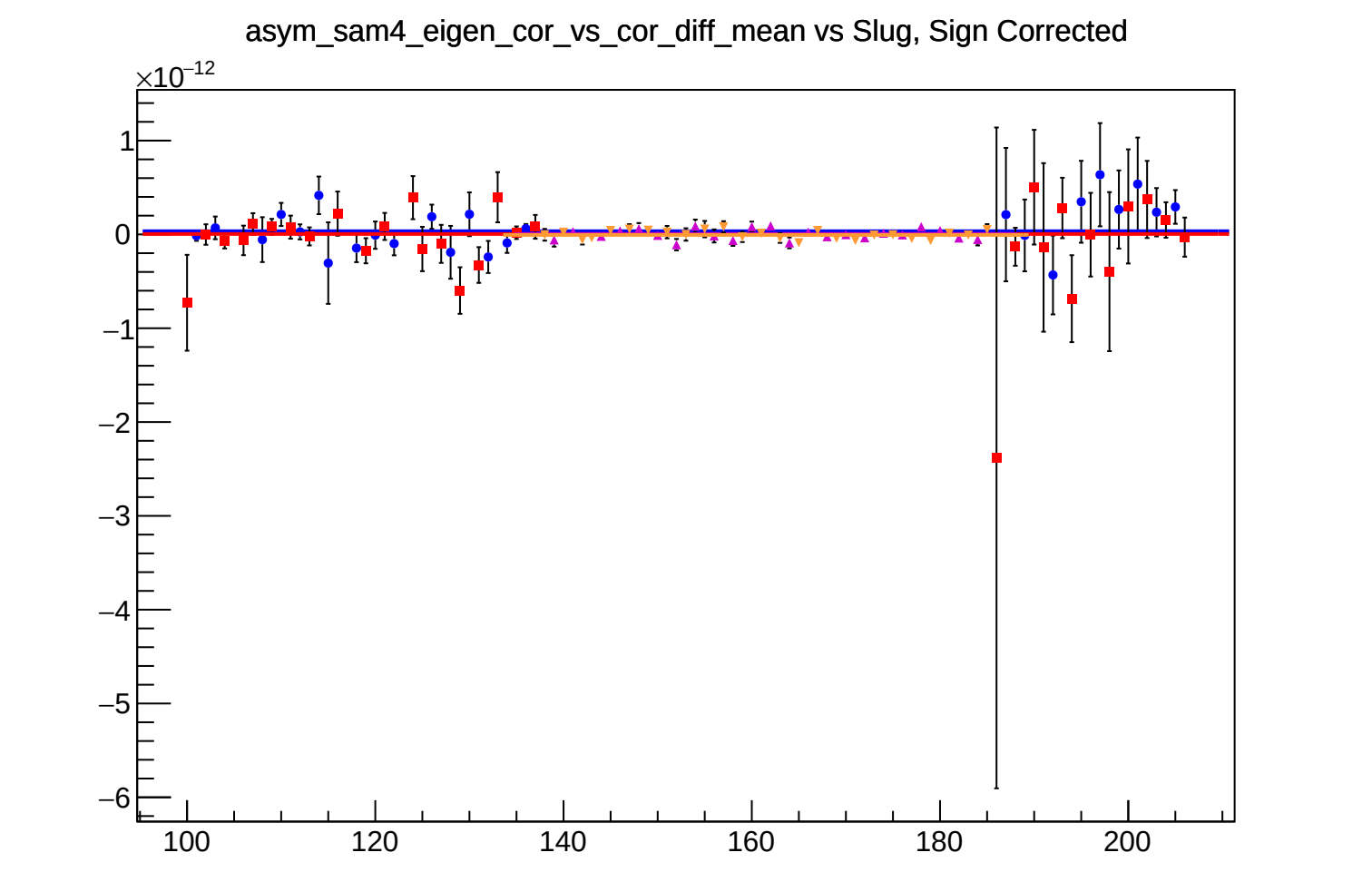
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 78.638+/-0.012 χ^2/NDF: 16290927.7/55

In: 93.415+/-0.014 χ^2/NDF:13437037.3/47

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.311+/-0.010 χ^2/NDF: 27847967.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/30

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

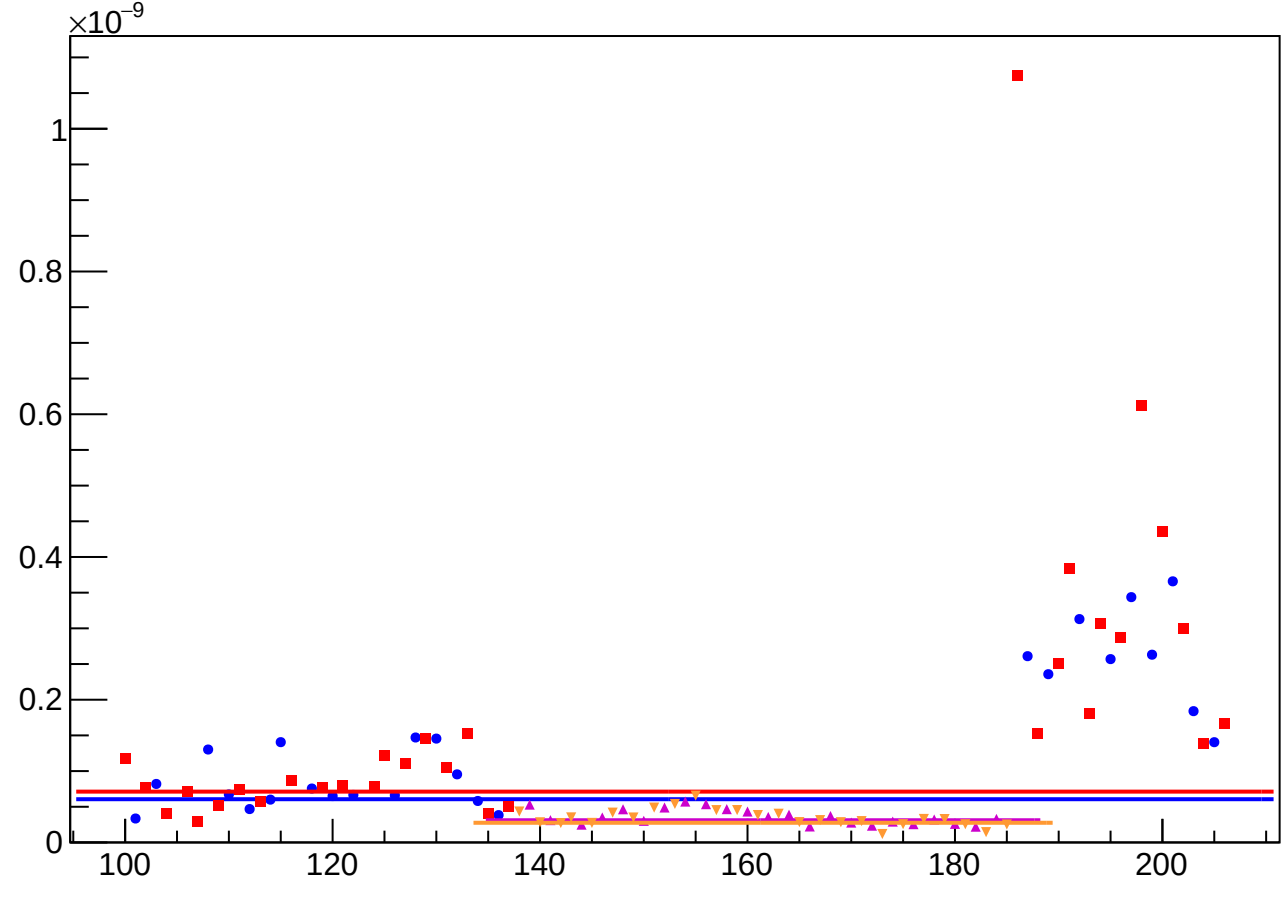
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 54.3/55

In: 0.000+/-0.000 χ^2/NDF:53.0/47

Out: -0.000+/-0.000 χ^2/NDF:52.0/55

All: 0.000+/-0.000 χ^2/NDF: 105.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 6155958.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6778787.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

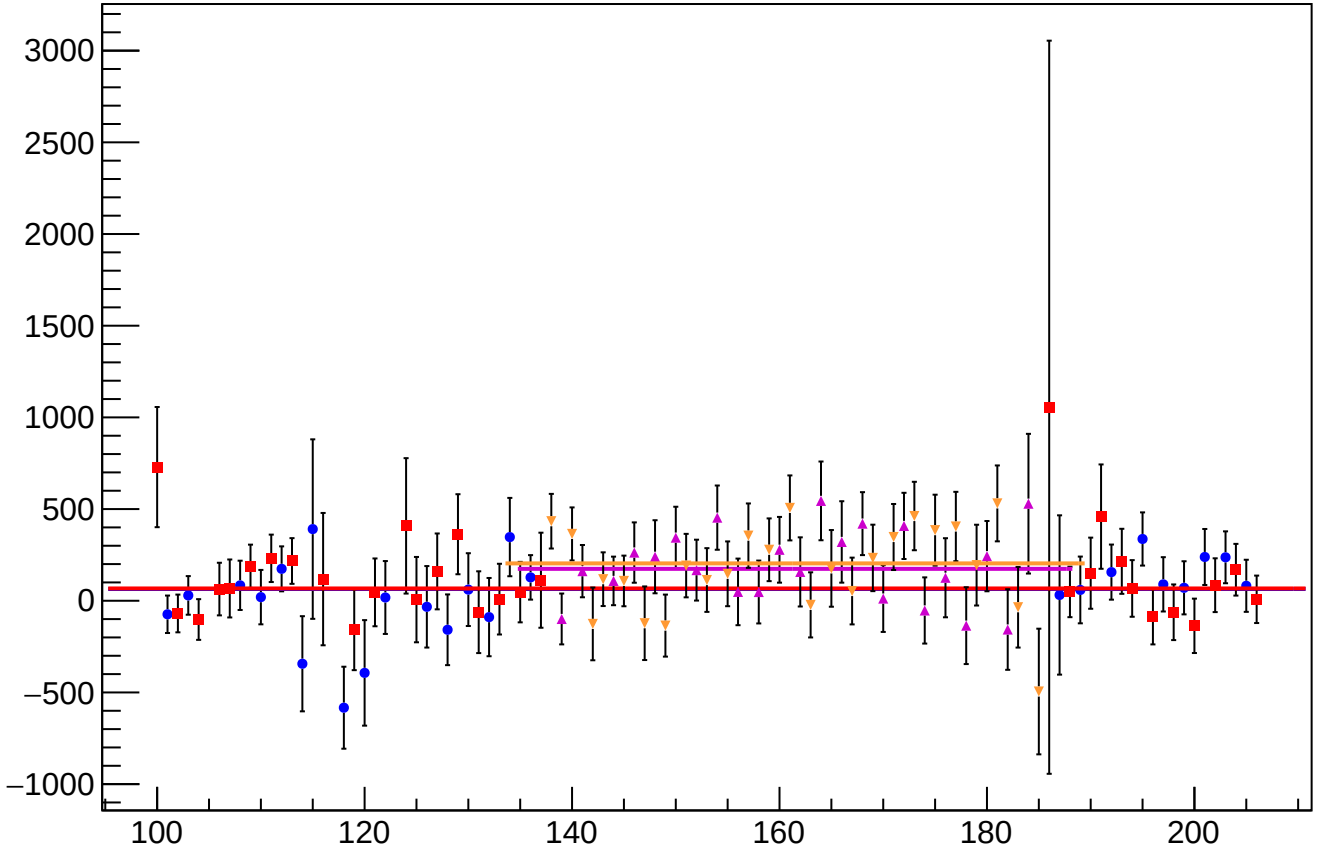
Right: 0.000+/-0.000 χ^2/NDF: 13094641.9/55

In: 0.000+/-0.000 χ^2/NDF:10474630.7/47

Out: 0.000+/-0.000 χ^2/NDF:15068118.4/55

All: 0.000+/-0.000 χ^2/NDF: 25711988.9/103

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.093+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 67.035+/-29.474 χ^2/NDF: 24.2/30

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

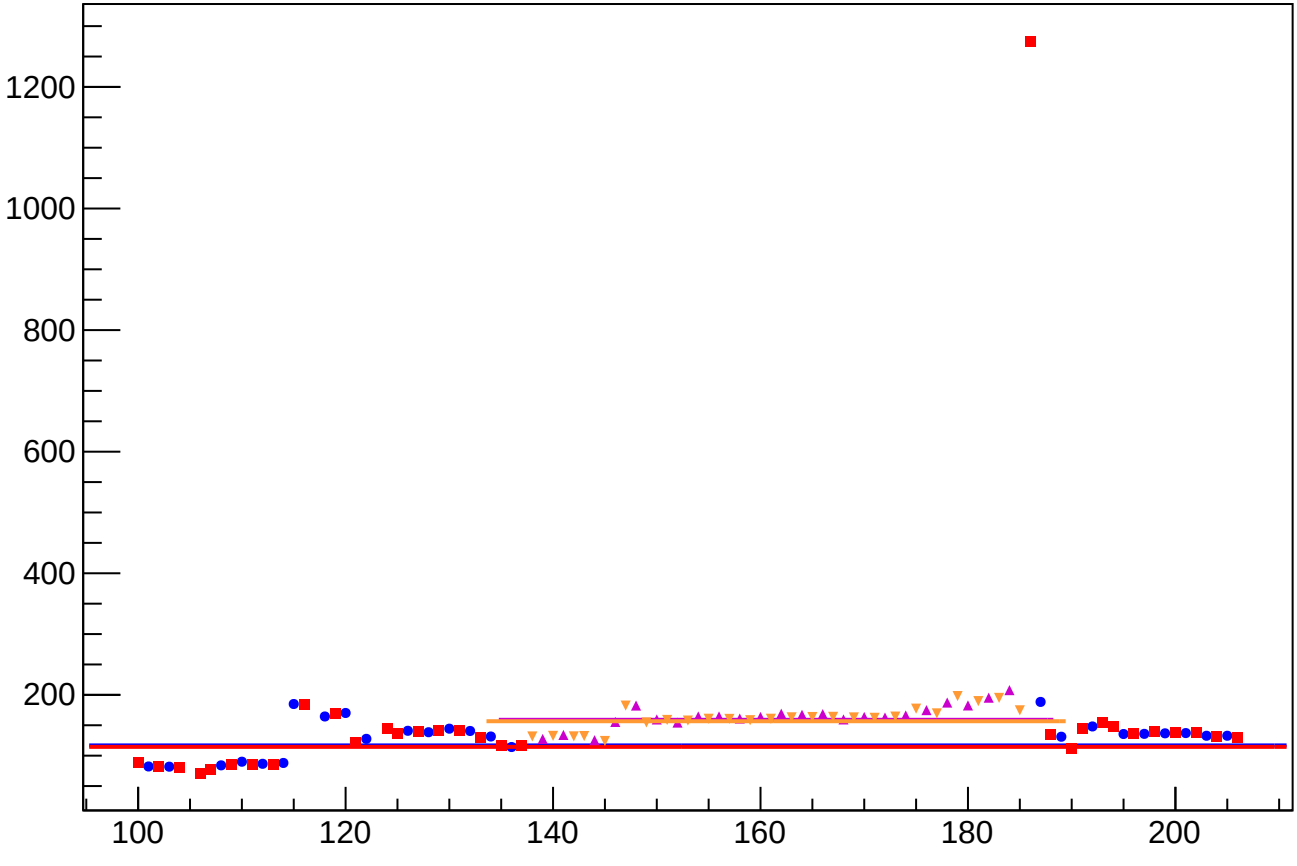
Right: 65.685+/-21.677 χ^2/NDF: 51.8/55

In: 110.513+/-24.312 χ^2/NDF:57.1/47

Out: 122.129+/-22.775 χ^2/NDF:65.8/55

All: 116.700+/-16.621 χ^2/NDF: 123.0/103

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450386.3/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 114.478+/-0.021 χ^2/NDF: 2554133.7/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

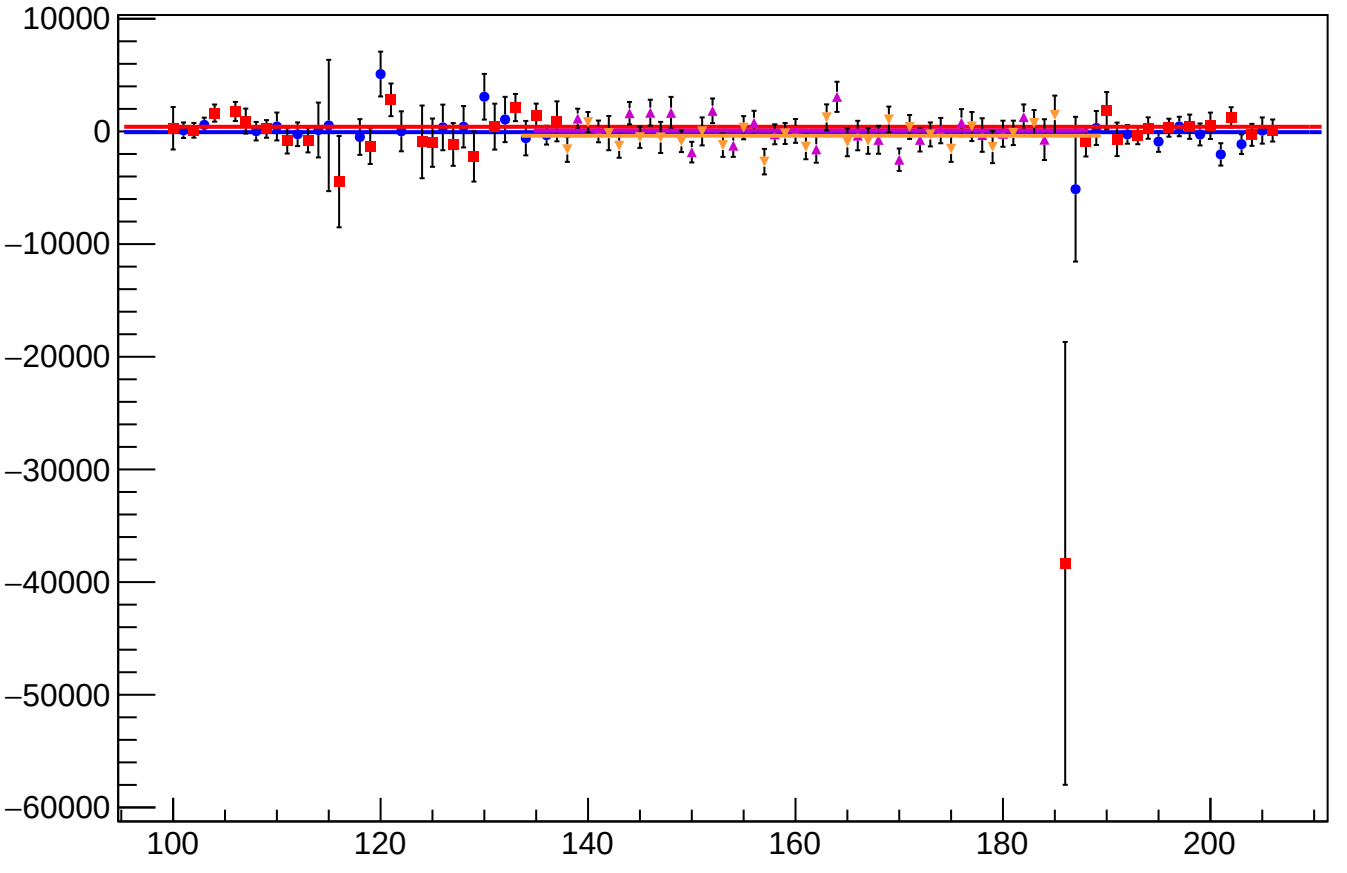
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 115.561+/-0.015 χ^2/NDF: 4010405.4/55

In: 134.629+/-0.017 χ^2/NDF:3425928.6/47

Out: 131.466+/-0.016 χ^2/NDF:4785461.6/55

All: 132.944+/-0.012 χ^2/NDF: 8229419.3/103



Right In: -64.517+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.916+/-202.754 χ^2/NDF: 27.9/30

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

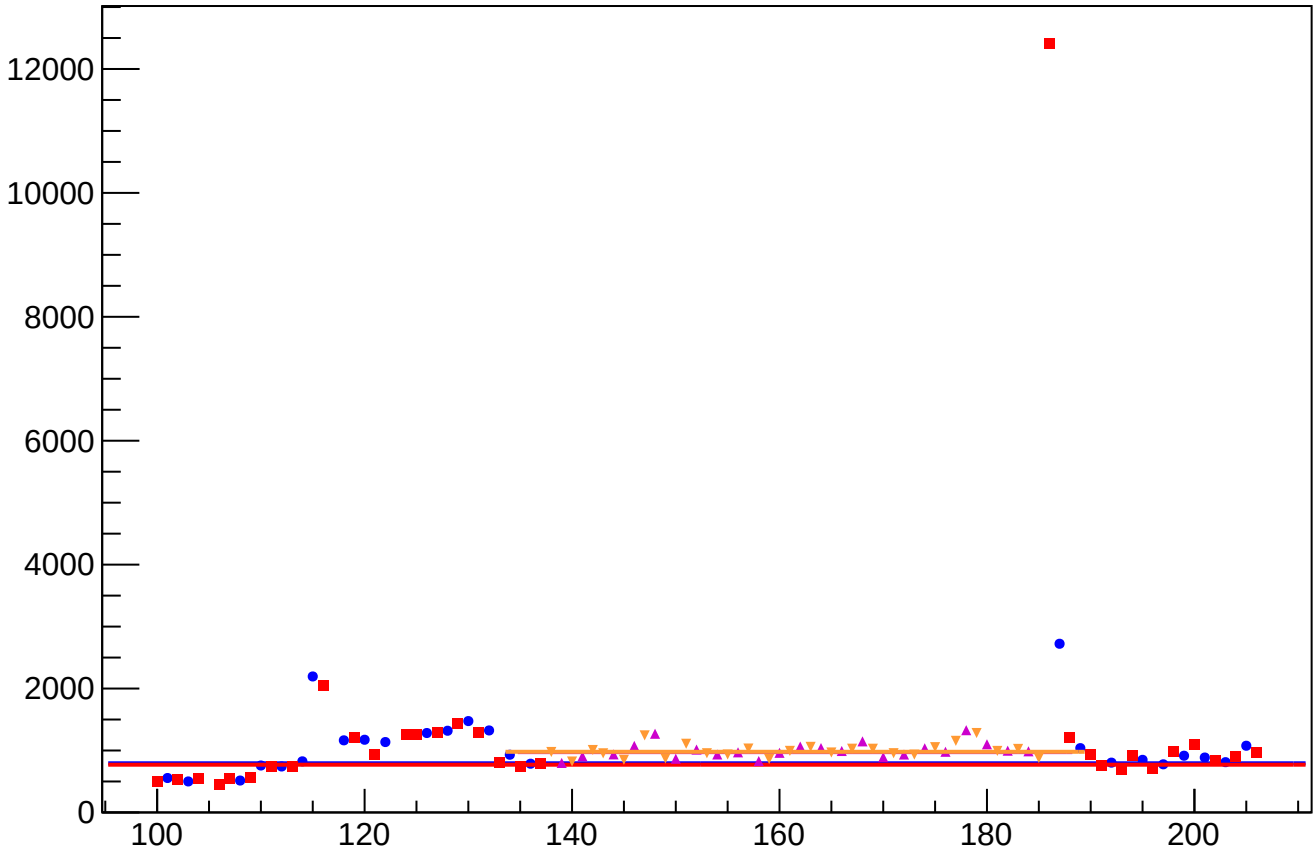
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 196.420+/-149.893 χ^2/NDF: 48.9/55

In: 2.752+/-159.880 χ^2/NDF:51.8/47

Out: 56.496+/-150.487 χ^2/NDF:53.5/55

All: 31.249+/-109.581 χ^2/NDF: 105.3/103



Right In: 793.720+/-0.157 χ^2/NDF: 2331173.4/24

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 770.690+/-0.143 χ^2/NDF: 3413140.4/30

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

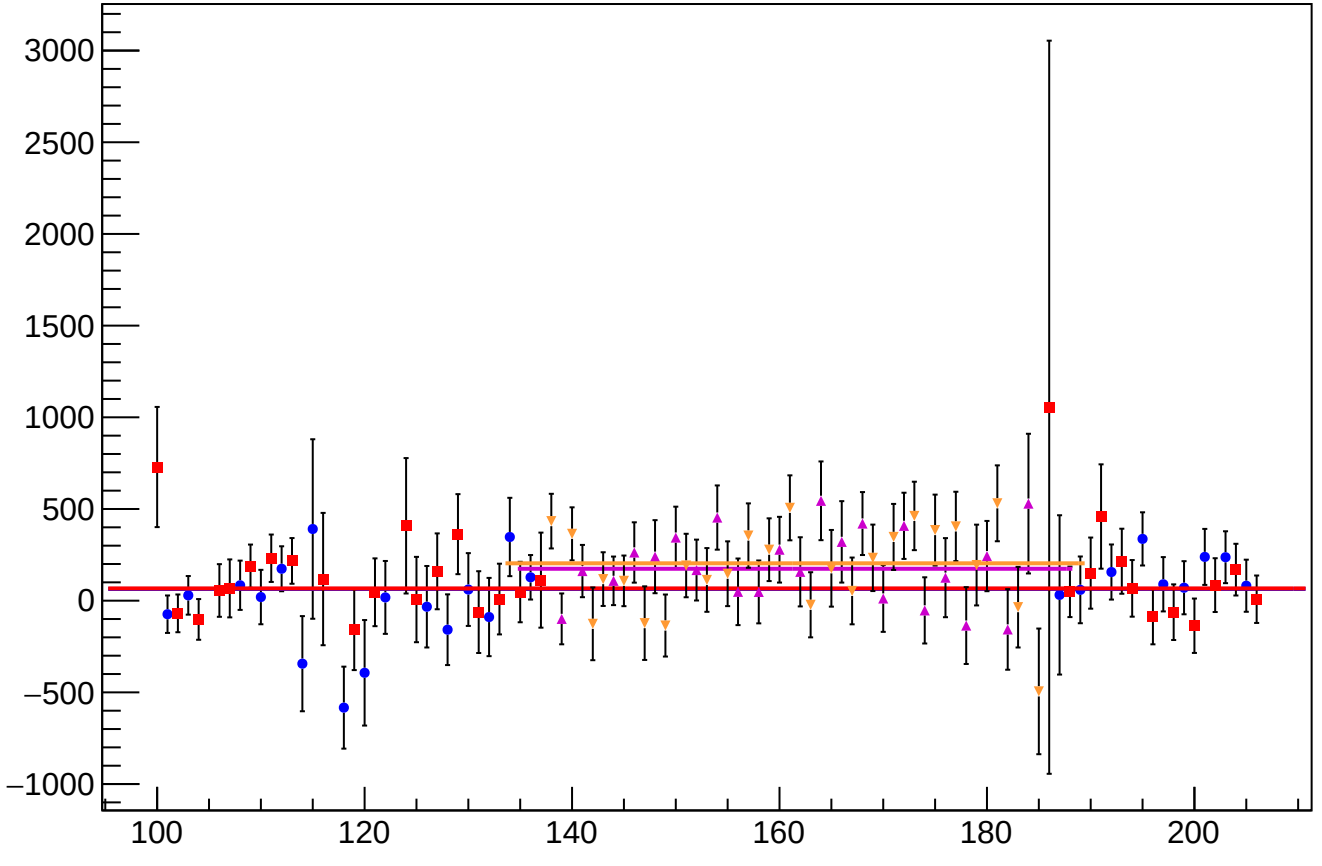
Right: 781.133+/-0.106 χ^2/NDF: 5756014.1/55

In: 880.905+/-0.113 χ^2/NDF:3463595.3/47

Out: 864.295+/-0.106 χ^2/NDF:4792085.9/55

All: 872.098+/-0.077 χ^2/NDF: 8267127.2/103

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 66.716+/-29.476 χ^2/NDF: 24.2/30

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

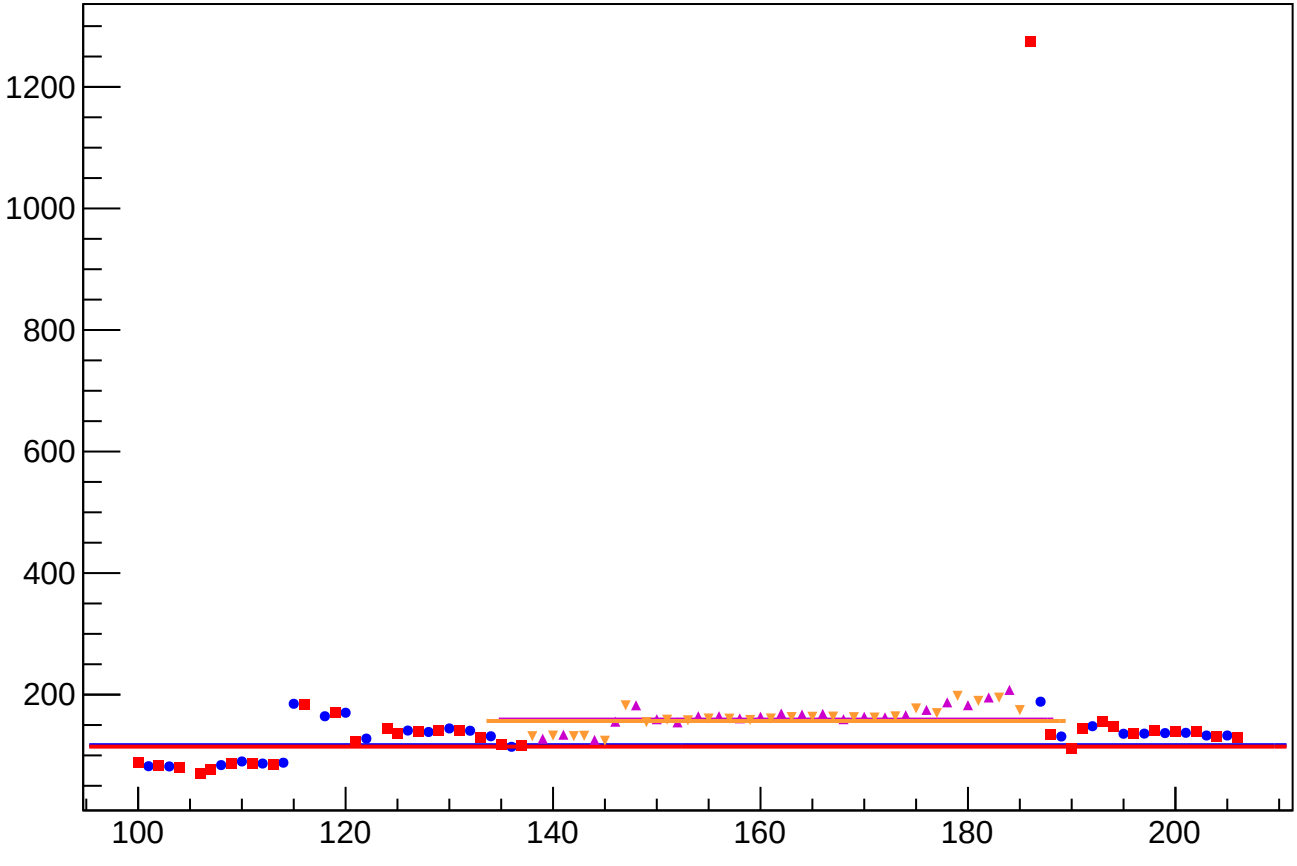
Right: 65.509+/-21.677 χ^2/NDF: 51.8/55

In: 110.512+/-24.312 χ^2/NDF:57.1/47

Out: 121.943+/-22.775 χ^2/NDF:65.8/55

All: 116.600+/-16.621 χ^2/NDF: 123.0/103

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

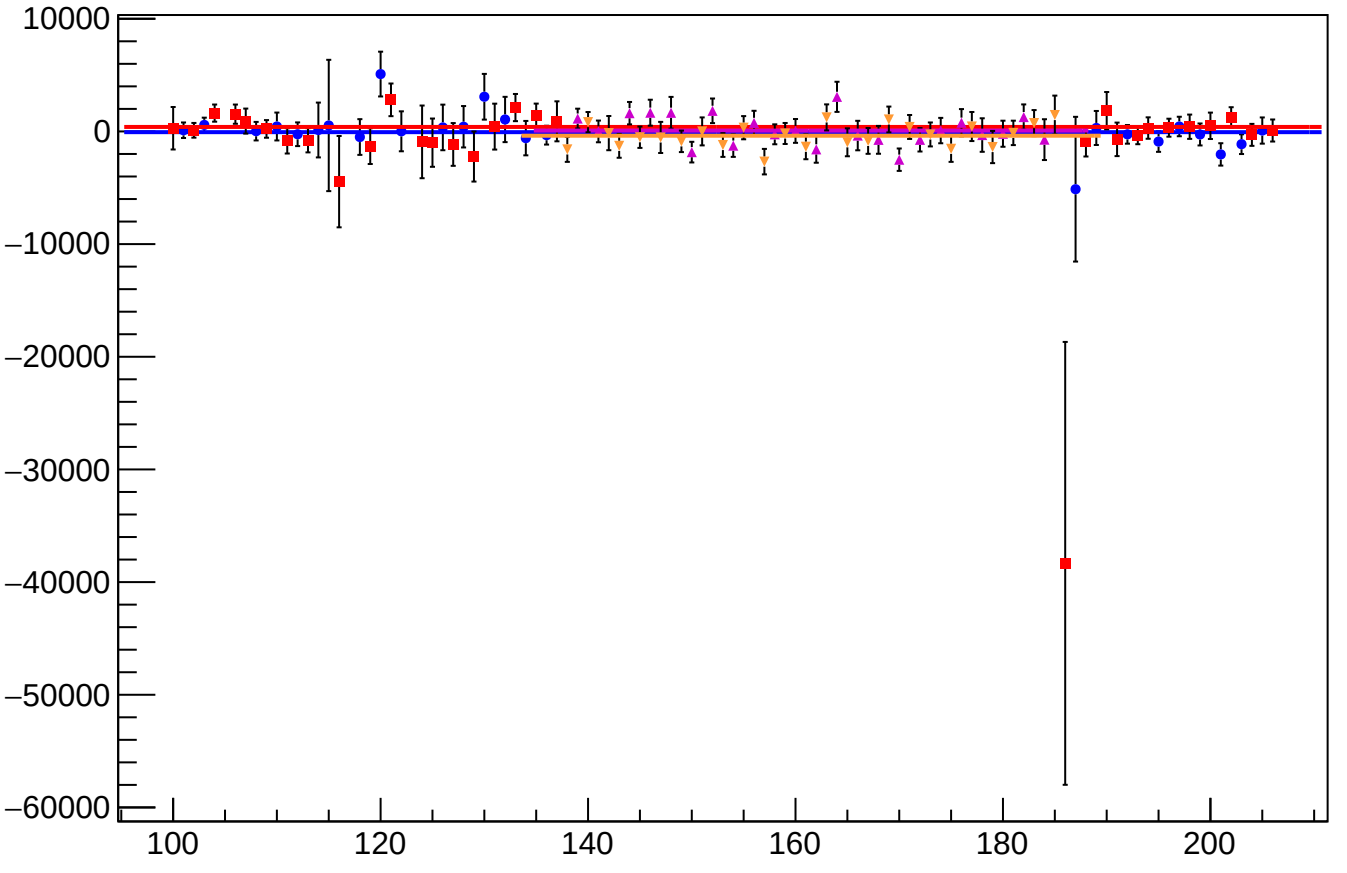
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.554+/-0.015 χ^2/NDF: 4013608.3/55

In: 134.629+/-0.017 χ^2/NDF:3425926.6/47

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.941+/-0.012 χ^2/NDF: 8233608.1/103



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 398.232+/-202.829 χ^2/NDF: 27.0/30

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

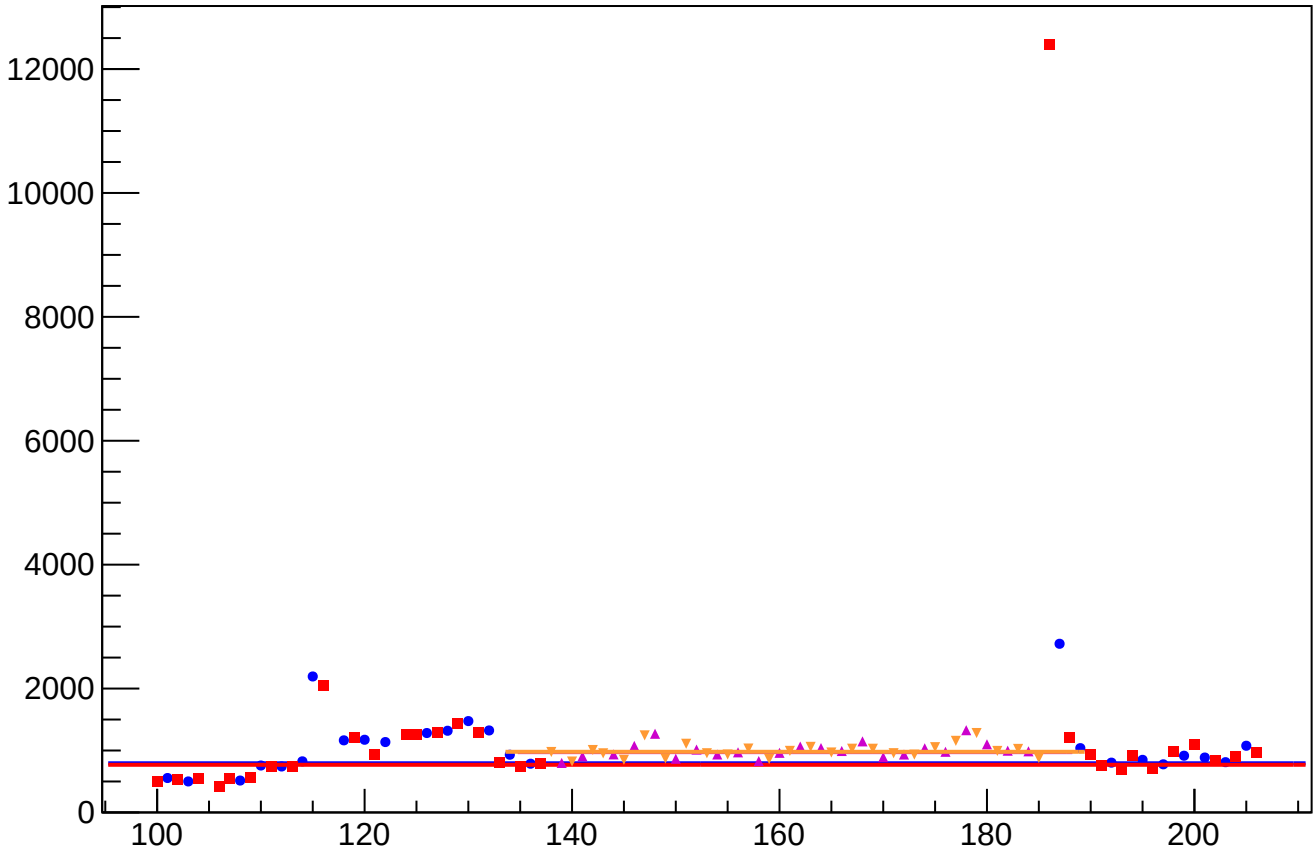
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 188.309+/-149.923 χ^2/NDF: 47.9/55

In: 2.751+/-159.880 χ^2/NDF:51.8/47

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 26.881+/-109.593 χ^2/NDF: 104.2/103



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

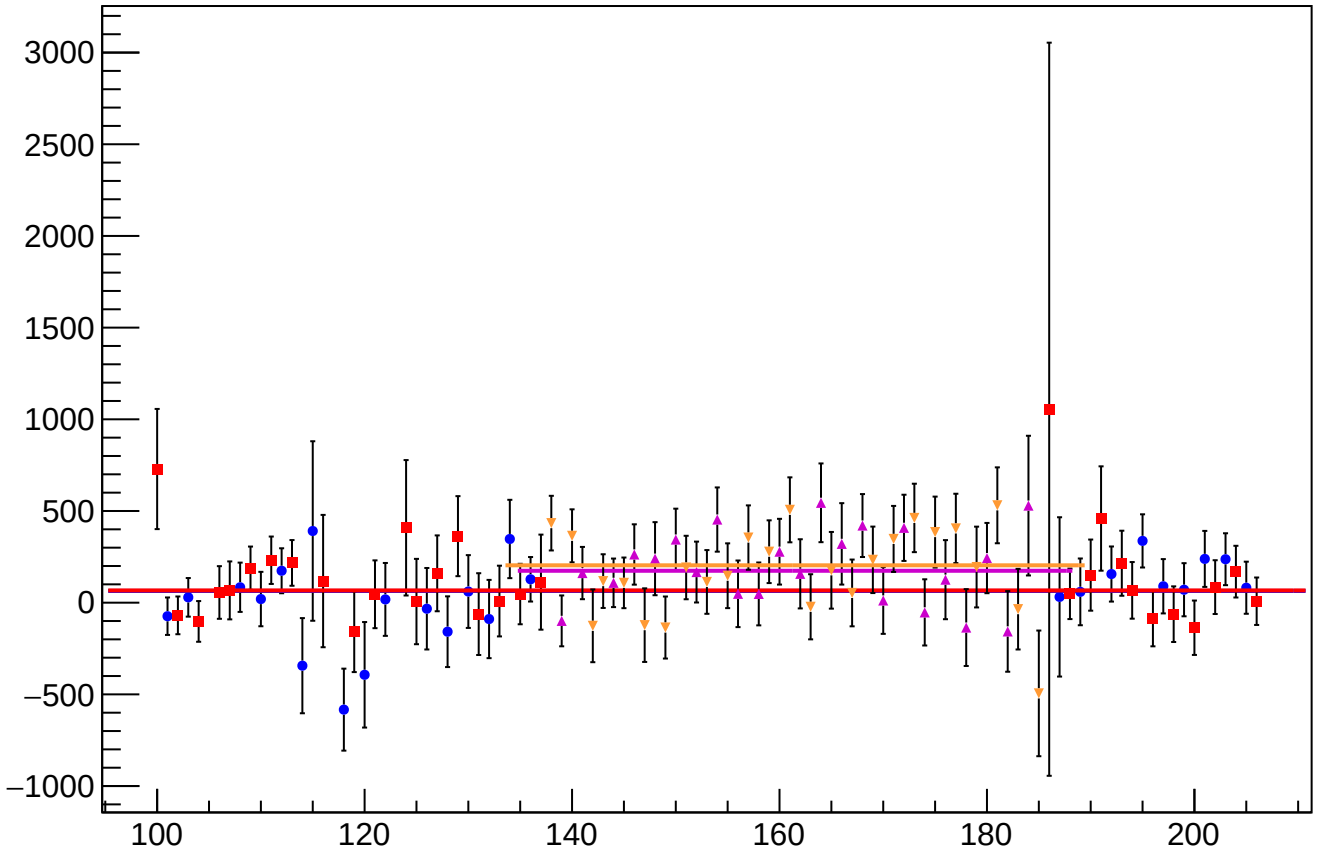
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 780.515+/-0.106 χ^2/NDF: 5798100.7/55

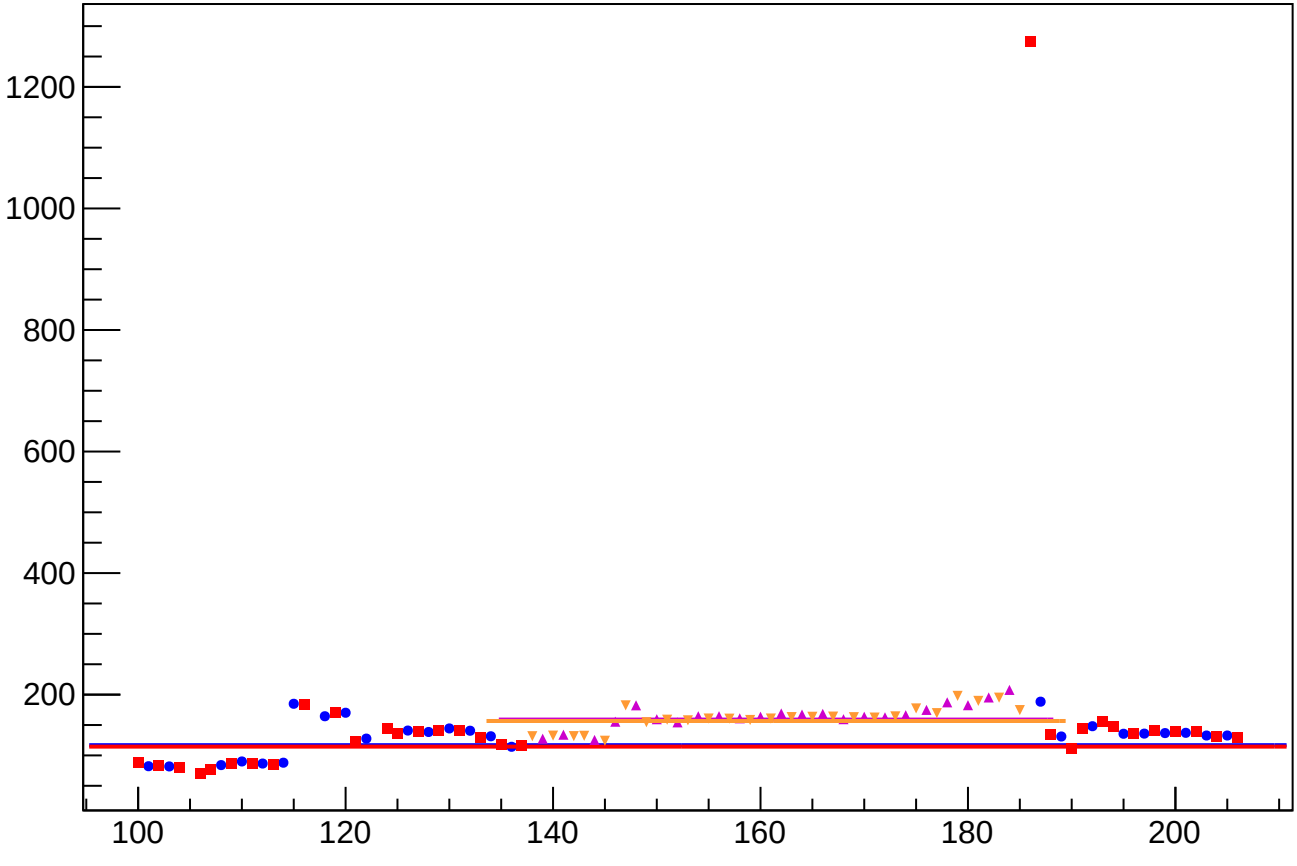
In: 880.905+/-0.113 χ^2/NDF:3463602.8/47

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 871.788+/-0.077 χ^2/NDF: 8318932.6/103


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 64.087+/-31.991 χ²/NDF: 27.6/24
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 66.716+/-29.476 χ²/NDF: 24.2/30
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 65.509+/-21.677 χ²/NDF: 51.8/55
In: 110.512+/-24.312 χ²/NDF:57.1/47
Out: 121.943+/-22.775 χ²/NDF:65.8/55
All: 116.600+/-16.621 χ²/NDF: 123.0/103

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

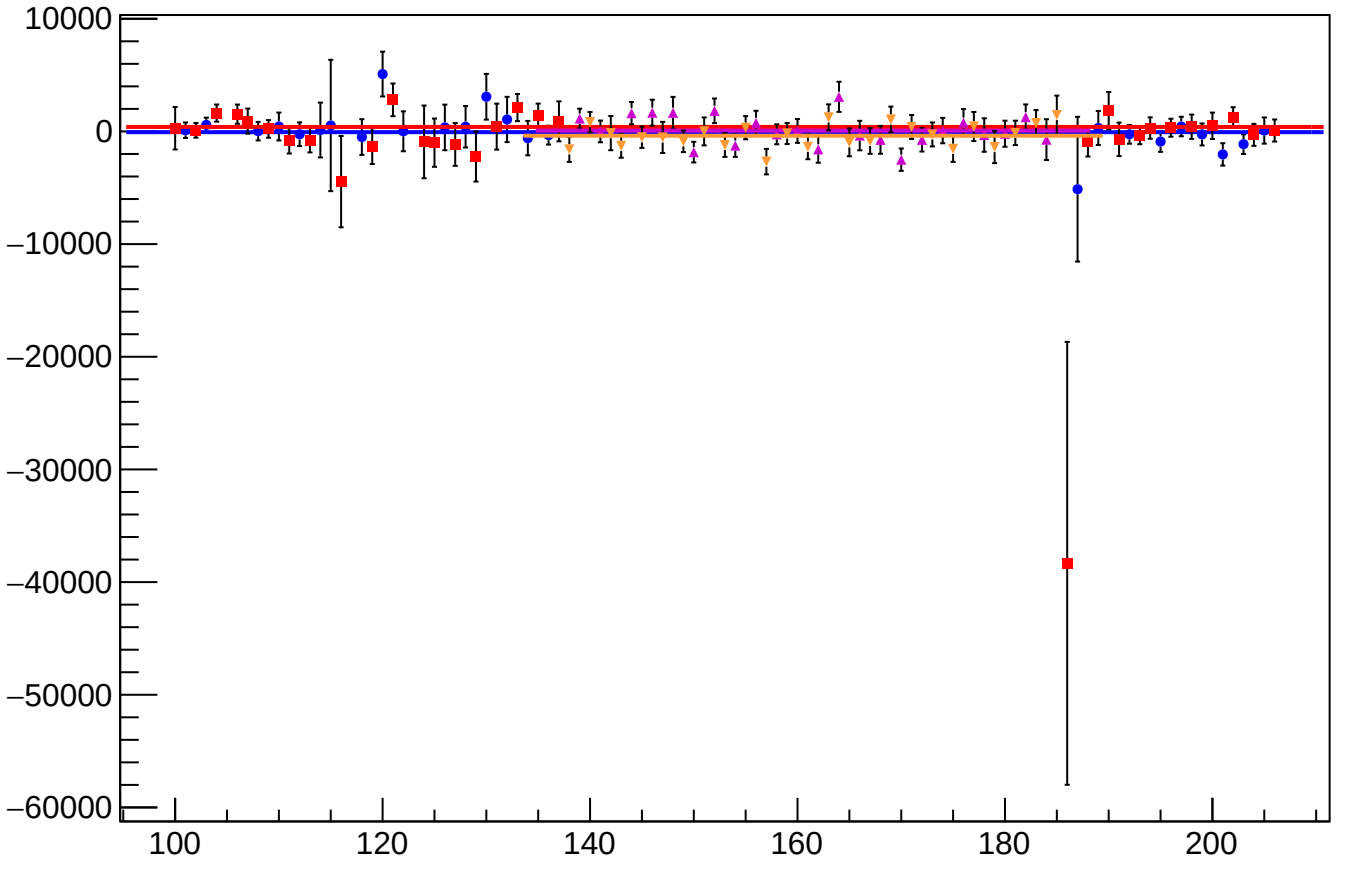
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.554+/-0.015 χ^2/NDF: 4013608.3/55

In: 134.629+/-0.017 χ^2/NDF:3425926.6/47

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.941+/-0.012 χ^2/NDF: 8233608.1/103



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 398.232+/-202.829 χ^2/NDF: 27.0/30

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

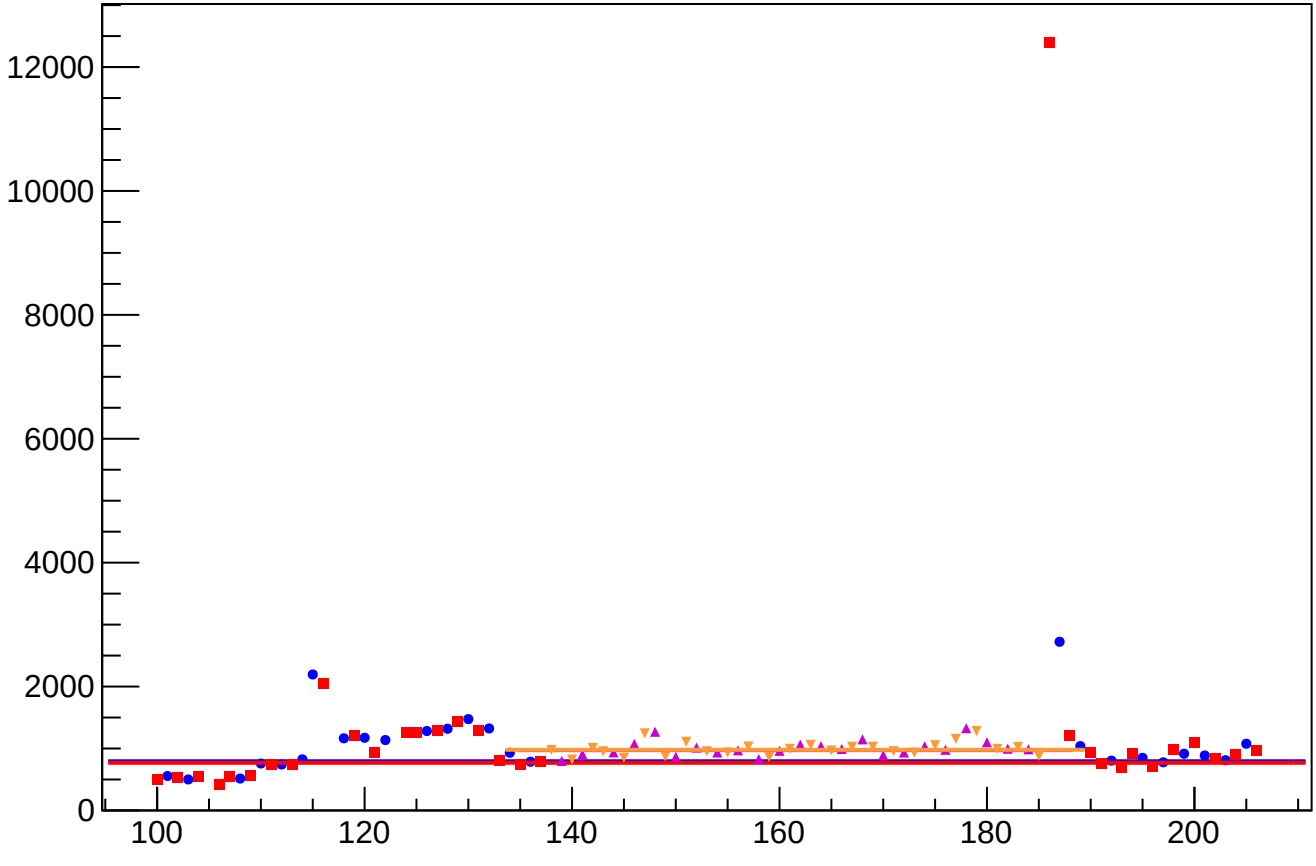
Right: 188.309+/-149.923 χ^2/NDF: 47.9/55

In: 2.751+/-159.880 χ^2/NDF:51.8/47

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 26.881+/-109.593 χ^2/NDF: 104.2/103

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

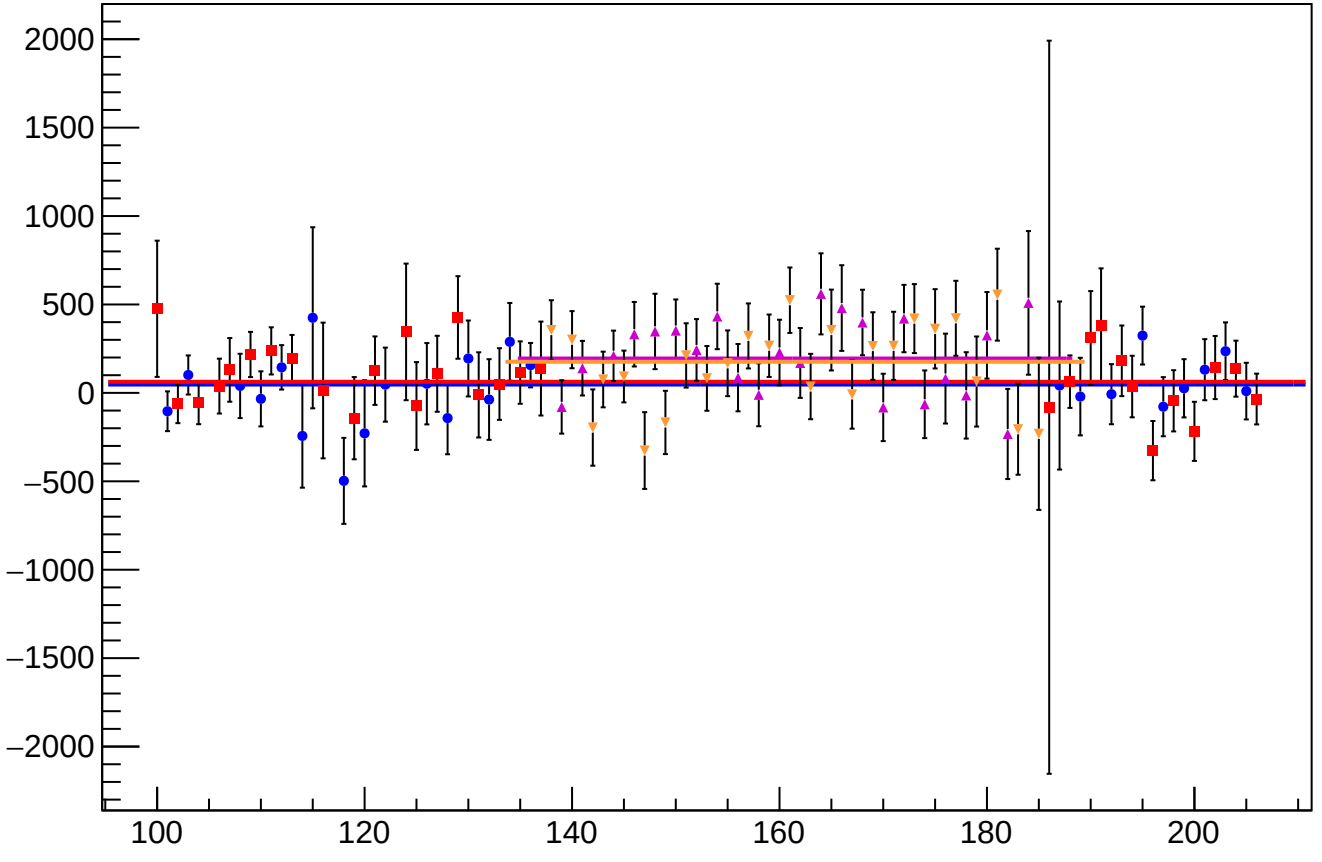
Right: 780.515+/-0.106 χ^2/NDF: 5798100.7/55

In: 880.905+/-0.113 χ^2/NDF:3463602.8/47

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 871.788+/-0.077 χ^2/NDF: 8318932.6/103

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 47.300+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 62.729+/-32.261 χ^2/NDF: 24.0/30

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

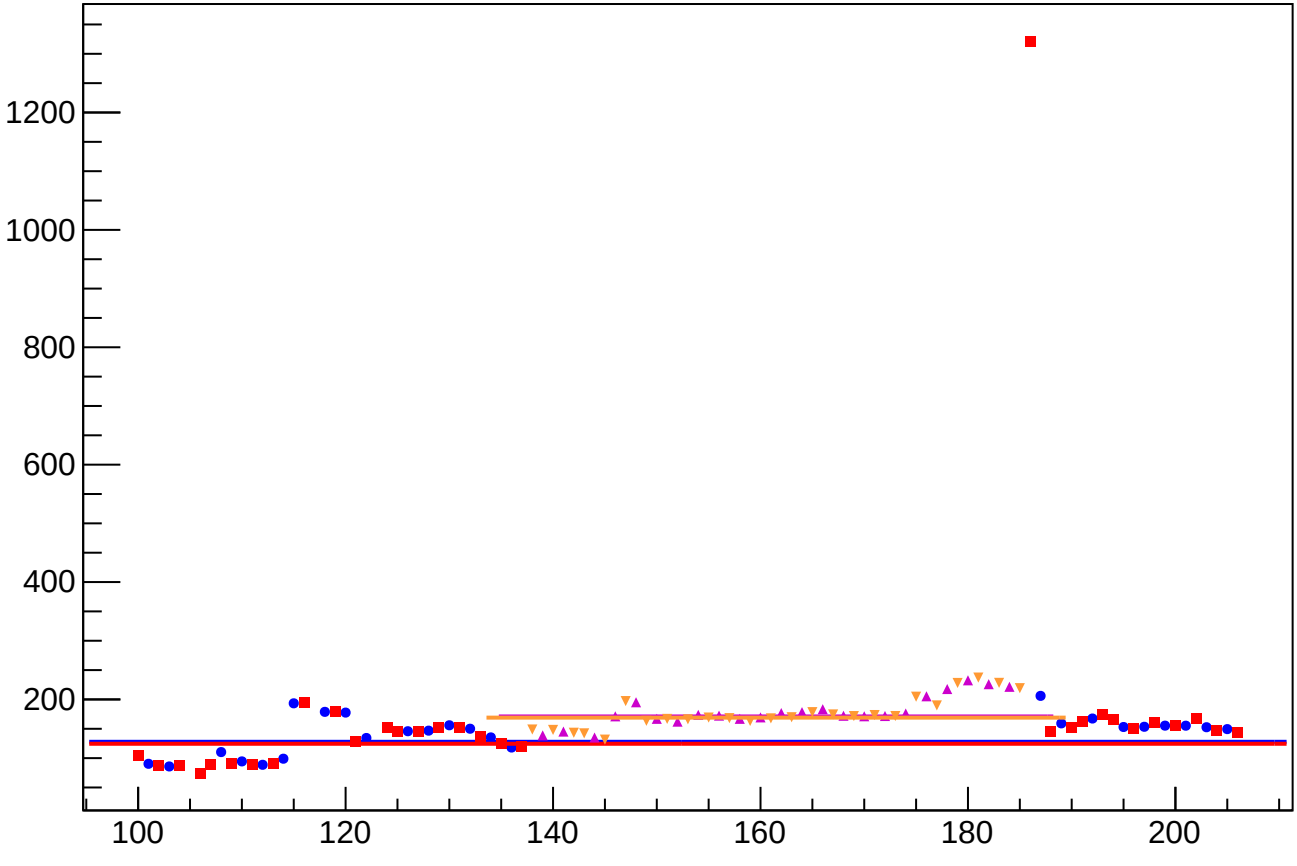
Right: 55.672+/-23.764 χ^2/NDF: 43.1/55

In: 110.648+/-26.508 χ^2/NDF:50.4/47

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 109.759+/-18.116 χ^2/NDF: 110.2/103

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 127.828+/-0.025 χ^2/NDF: 1597897.3/24

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815232.0/30

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

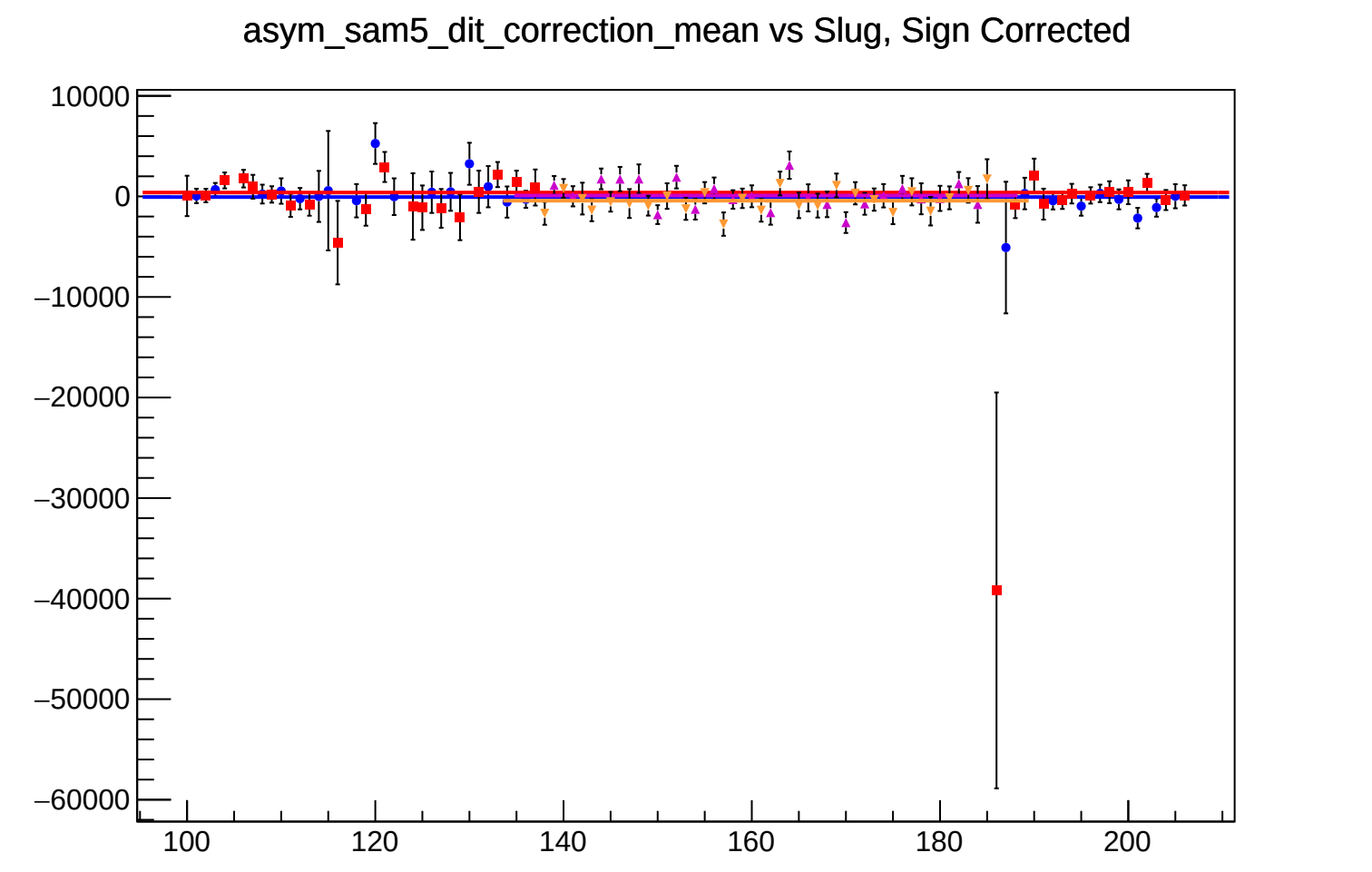
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 126.007+/-0.017 χ^2/NDF: 4423028.8/55

In: 146.438+/-0.019 χ^2/NDF:3578143.3/47

Out: 142.656+/-0.018 χ^2/NDF:5145421.4/55

All: 144.423+/-0.013 χ^2/NDF: 8745266.1/103



Right In: -63.581+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 386.401+/-209.436 χ^2/NDF: 27.7/30

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

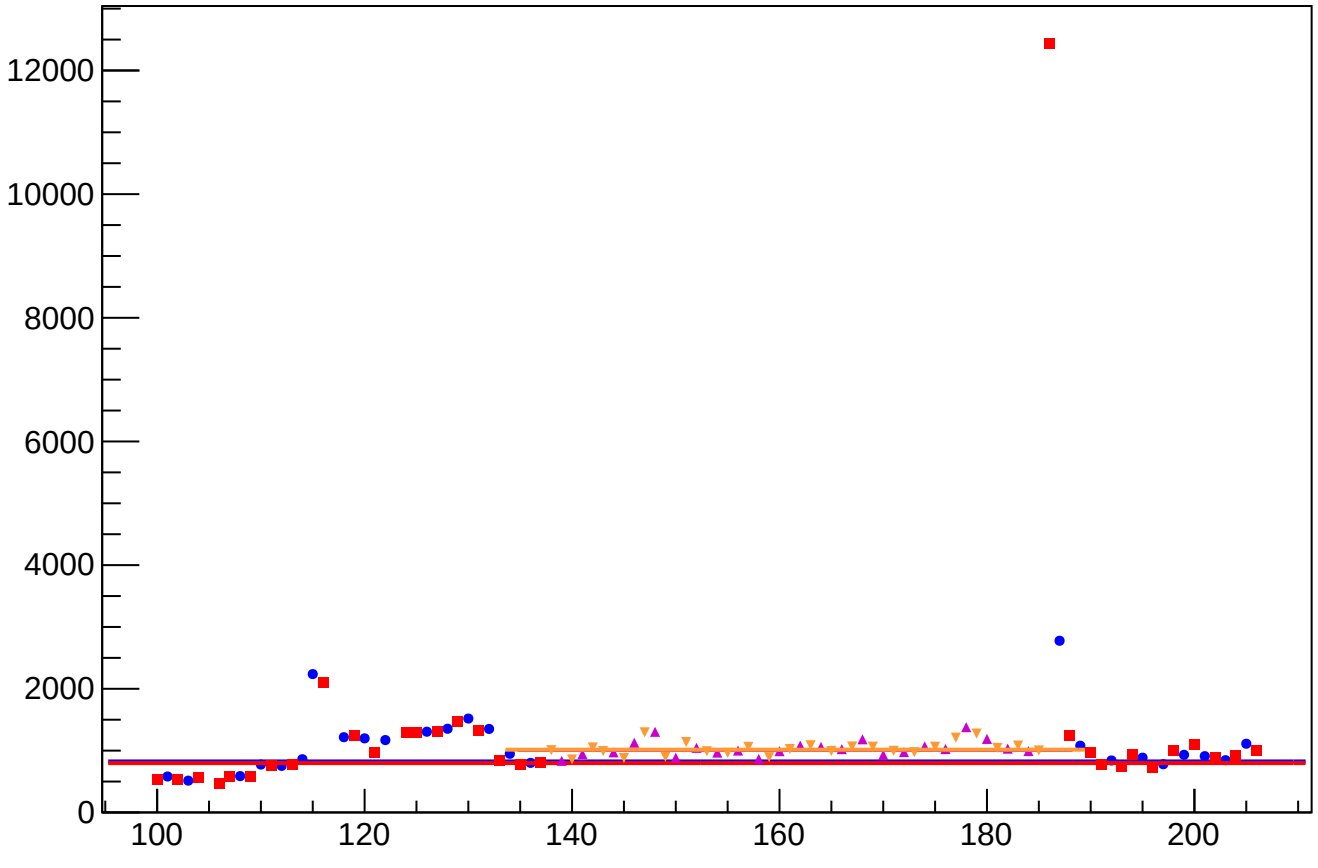
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 182.951+/-155.021 χ^2/NDF: 49.0/55

In: 9.017+/-165.646 χ^2/NDF:51.7/47

Out: 22.669+/-155.629 χ^2/NDF:52.9/55

All: 16.268+/-113.422 χ^2/NDF: 104.6/103



Right In: 824.893+/-0.163 χ^2/NDF: 2203165.2/24

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295363.4/30

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

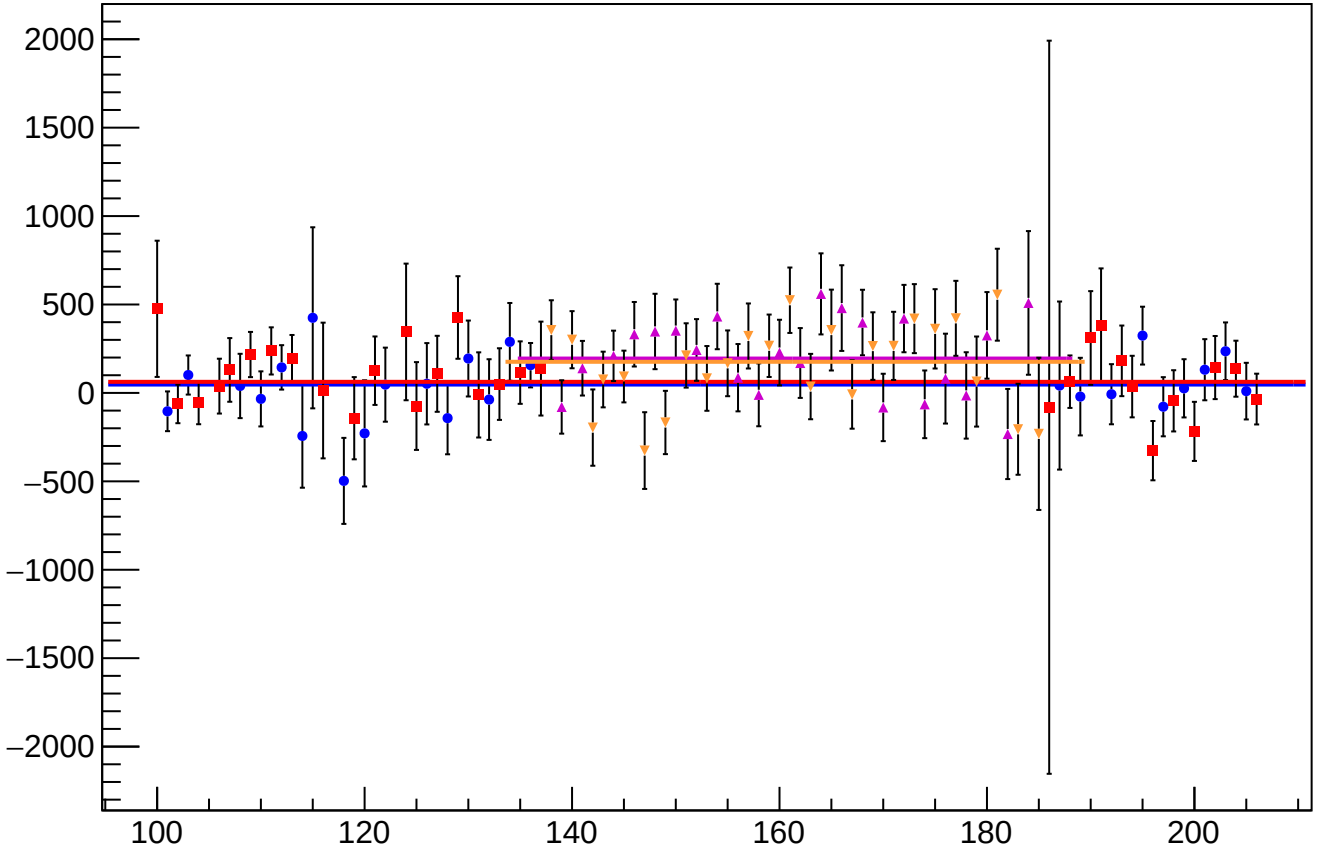
Right: 810.435+/-0.110 χ^2/NDF: 5512884.7/55

In: 914.284+/-0.117 χ^2/NDF:3323471.3/47

Out: 895.477+/-0.110 χ^2/NDF:4650785.1/55

All: 904.295+/-0.080 χ^2/NDF: 7987950.5/103

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 47.299+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 62.730+/-32.261 χ^2/NDF: 24.0/30

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

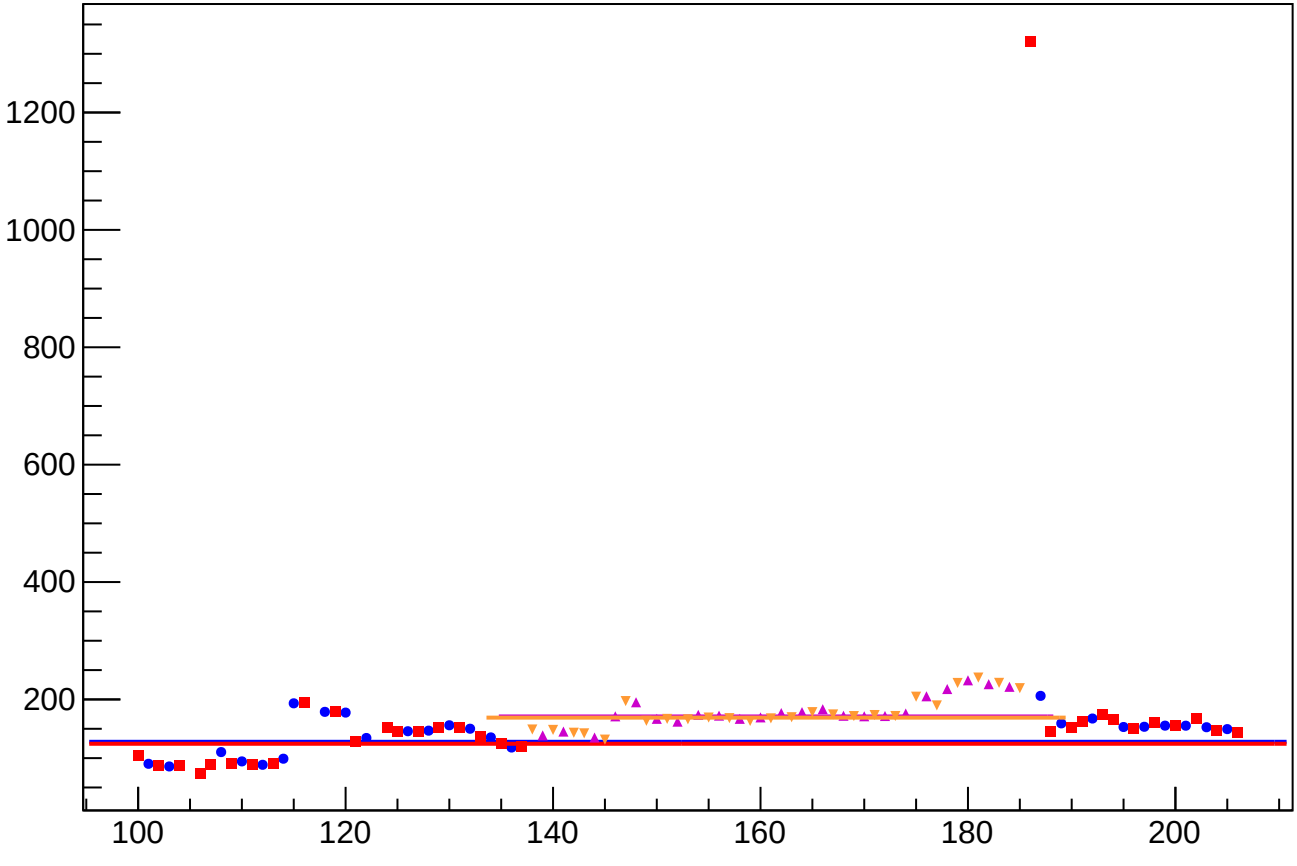
Right: 55.672+/-23.764 χ^2/NDF: 43.1/55

In: 110.647+/-26.508 χ^2/NDF:50.4/47

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 109.759+/-18.116 χ^2/NDF: 110.2/103

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 127.828+/-0.025 χ^2/NDF: 1597904.2/24

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815235.5/30

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

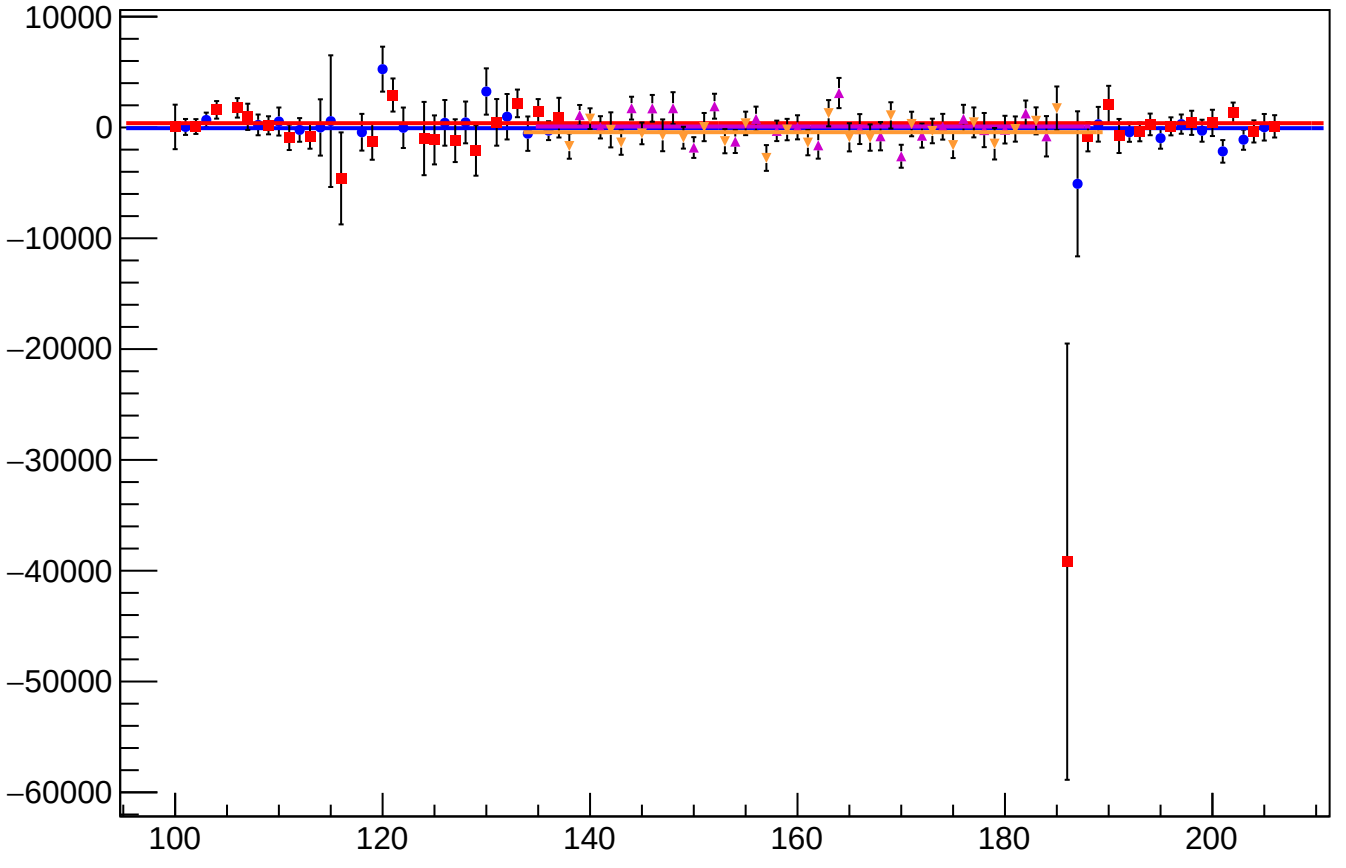
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 126.007+/-0.017 χ^2/NDF: 4423038.7/55

In: 146.438+/-0.019 χ^2/NDF:3578172.1/47

Out: 142.656+/-0.018 χ^2/NDF:5145434.0/55

All: 144.423+/-0.013 χ^2/NDF: 8745307.6/103



Right In: -63.580+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 386.401+/-209.436 χ^2/NDF: 27.7/30

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

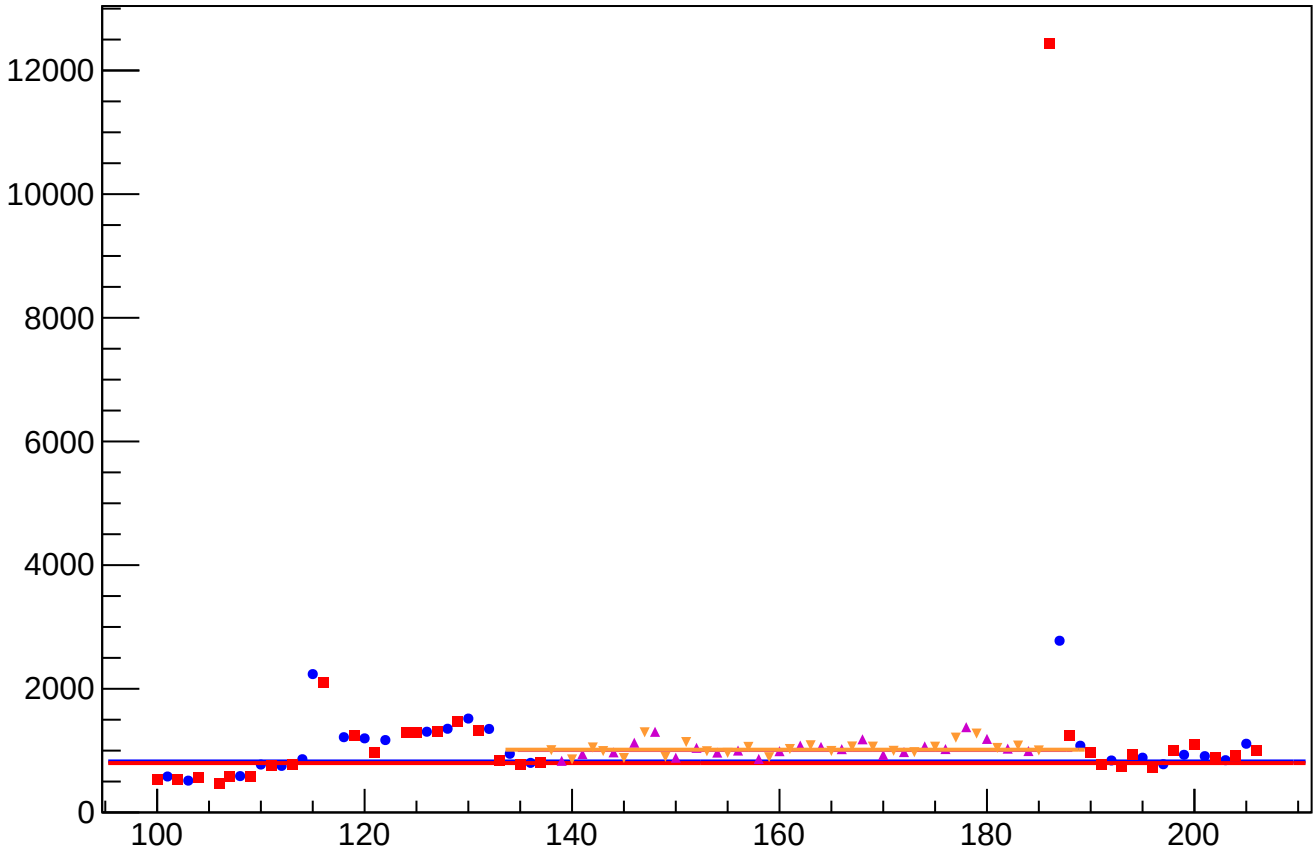
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 182.951+/-155.021 χ^2/NDF: 49.0/55

In: 9.018+/-165.646 χ^2/NDF:51.7/47

Out: 22.670+/-155.629 χ^2/NDF:52.9/55

All: 16.269+/-113.422 χ^2/NDF: 104.6/103



Right In: 824.893+/-0.163 χ^2/NDF: 2203166.7/24

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295370.5/30

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

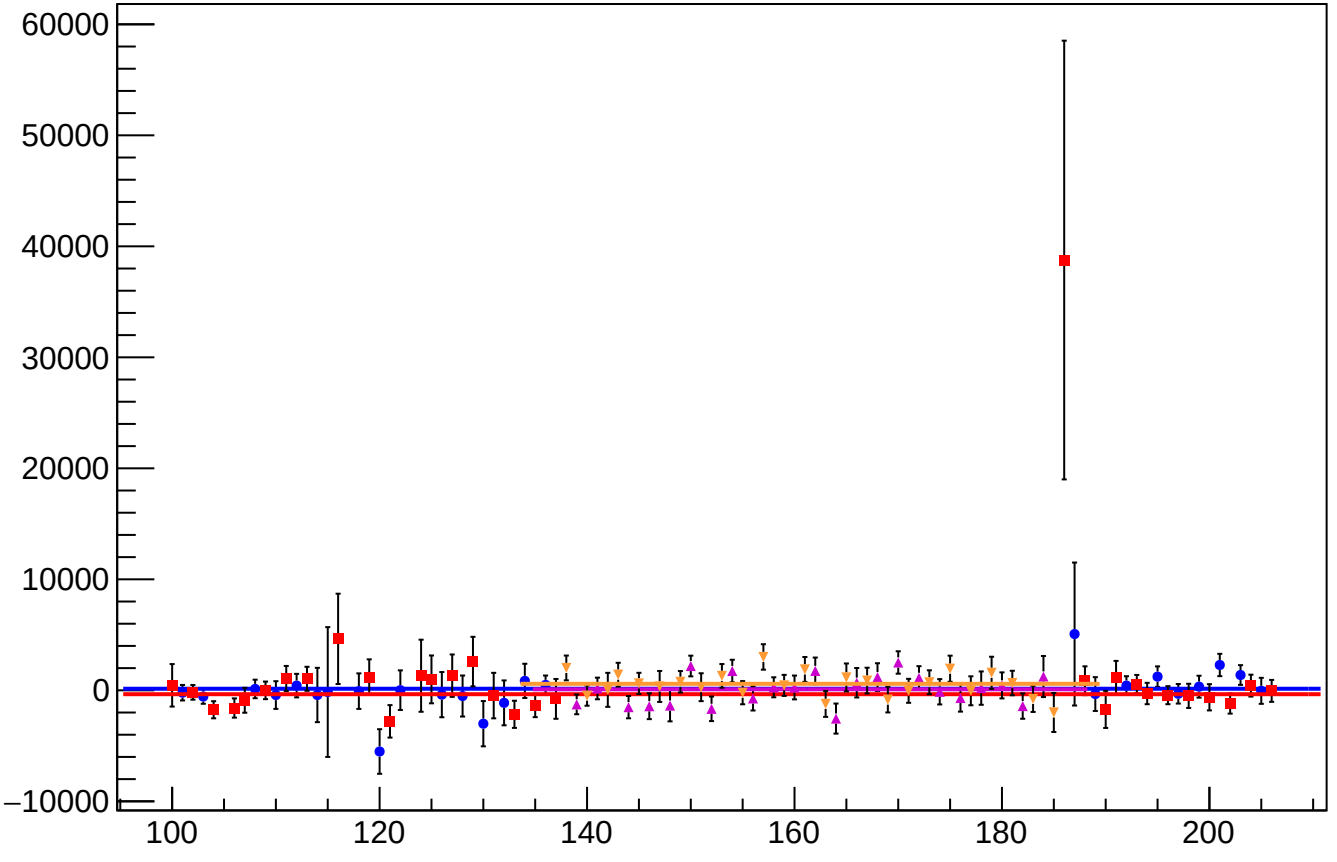
Right: 810.435+/-0.110 χ^2/NDF: 5512893.1/55

In: 914.284+/-0.117 χ^2/NDF:3323484.4/47

Out: 895.477+/-0.110 χ^2/NDF:4650803.0/55

All: 904.295+/-0.080 χ^2/NDF: 7987981.6/103

asym_sam5_mean vs Slug, Sign Corrected



Right In: 142.029+/-225.301 χ^2/NDF: 22.0/24

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -349.831+/-205.403 χ^2/NDF: 30.1/30

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

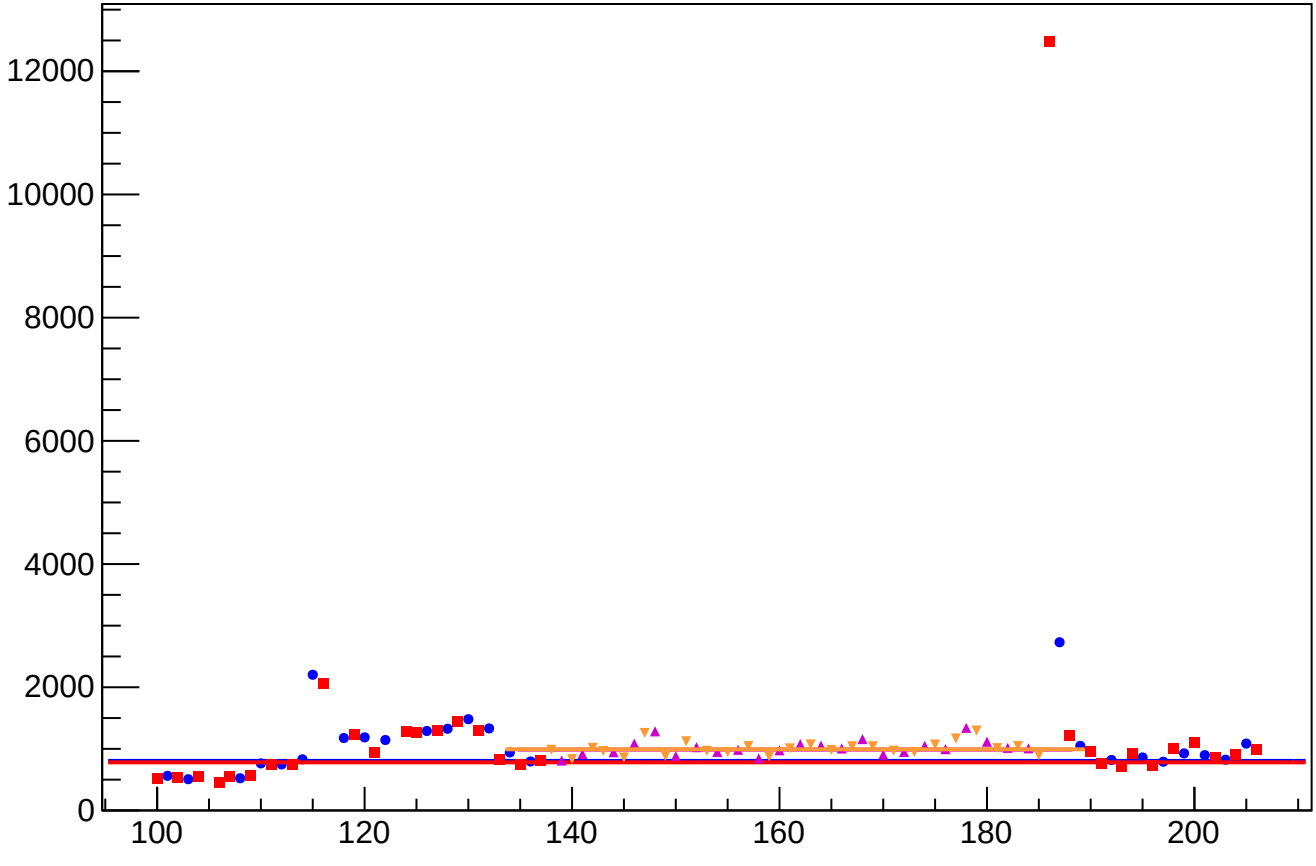
Right: -126.575+/-151.790 χ^2/NDF: 54.7/55

In: 118.189+/-161.972 χ^2/NDF:56.6/47

Out: 70.352+/-152.483 χ^2/NDF:60.2/55

All: 92.828+/-111.025 χ^2/NDF: 116.9/103

asym_sam5_rms vs Slug, Sign Corrected



Right In: 803.953+/-0.159 χ^2/NDF: 2306006.8/24

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 781.158+/-0.145 χ^2/NDF: 3384068.5/30

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

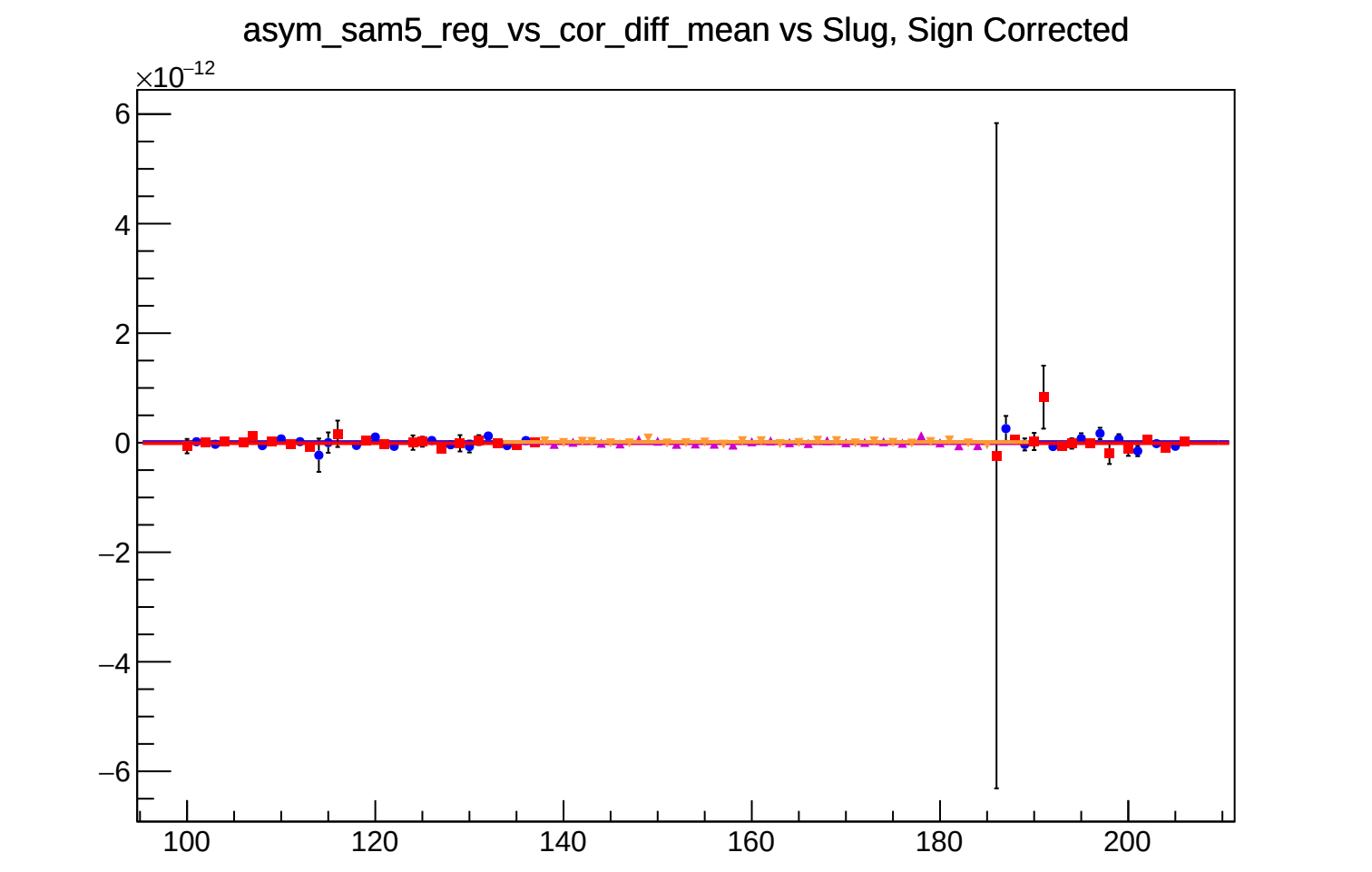
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 791.505+/-0.107 χ^2/NDF: 5701256.0/55

In: 892.774+/-0.115 χ^2/NDF:3437072.4/47

Out: 876.052+/-0.108 χ^2/NDF:4759884.1/55

All: 883.909+/-0.079 χ^2/NDF: 8208256.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

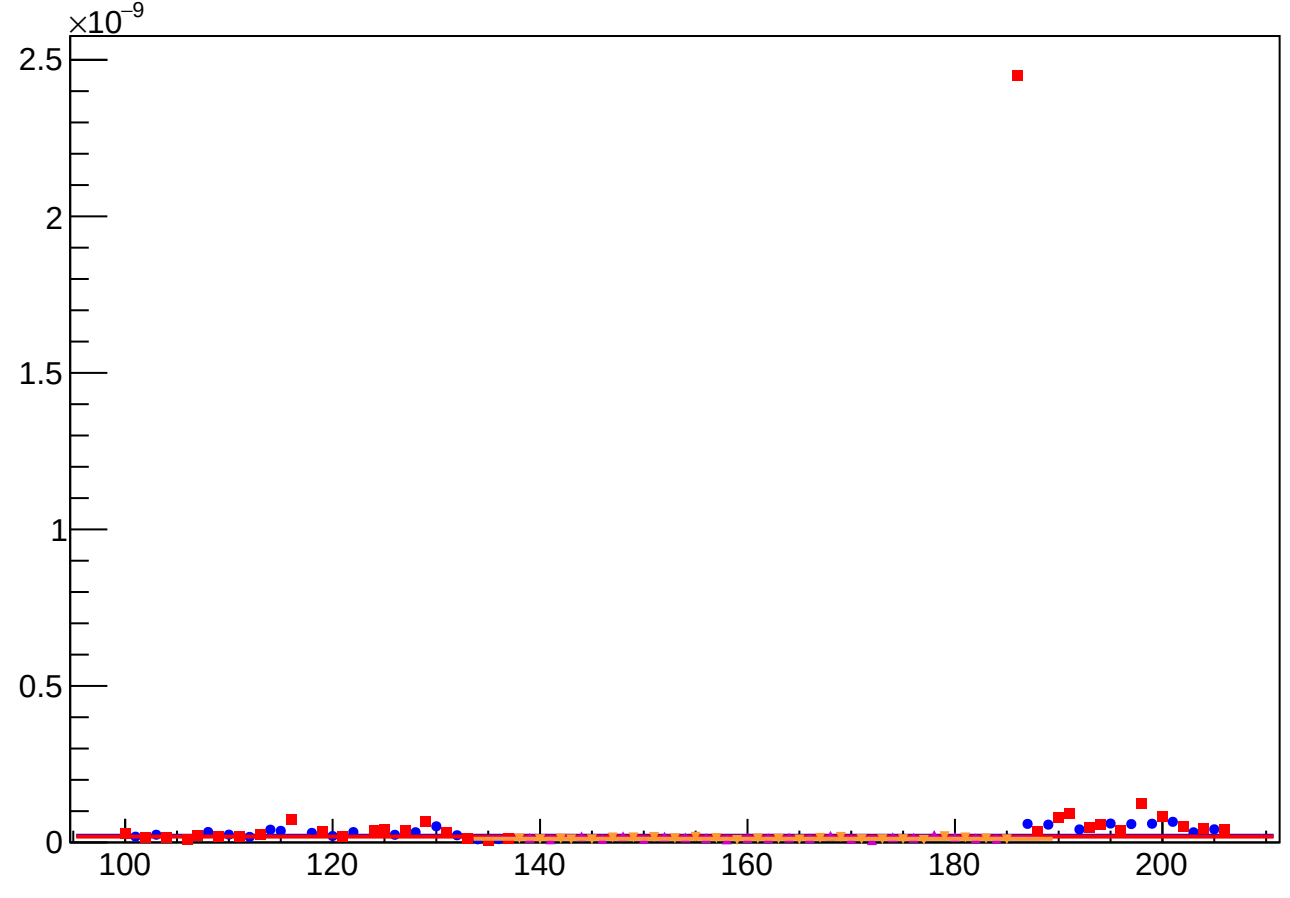
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.3/55

In: 0.000+/-0.000 χ^2/NDF:58.3/47

Out: 0.000+/-0.000 χ^2/NDF:50.7/55

All: 0.000+/-0.000 χ^2/NDF: 110.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 3525869.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5778481.0/30

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

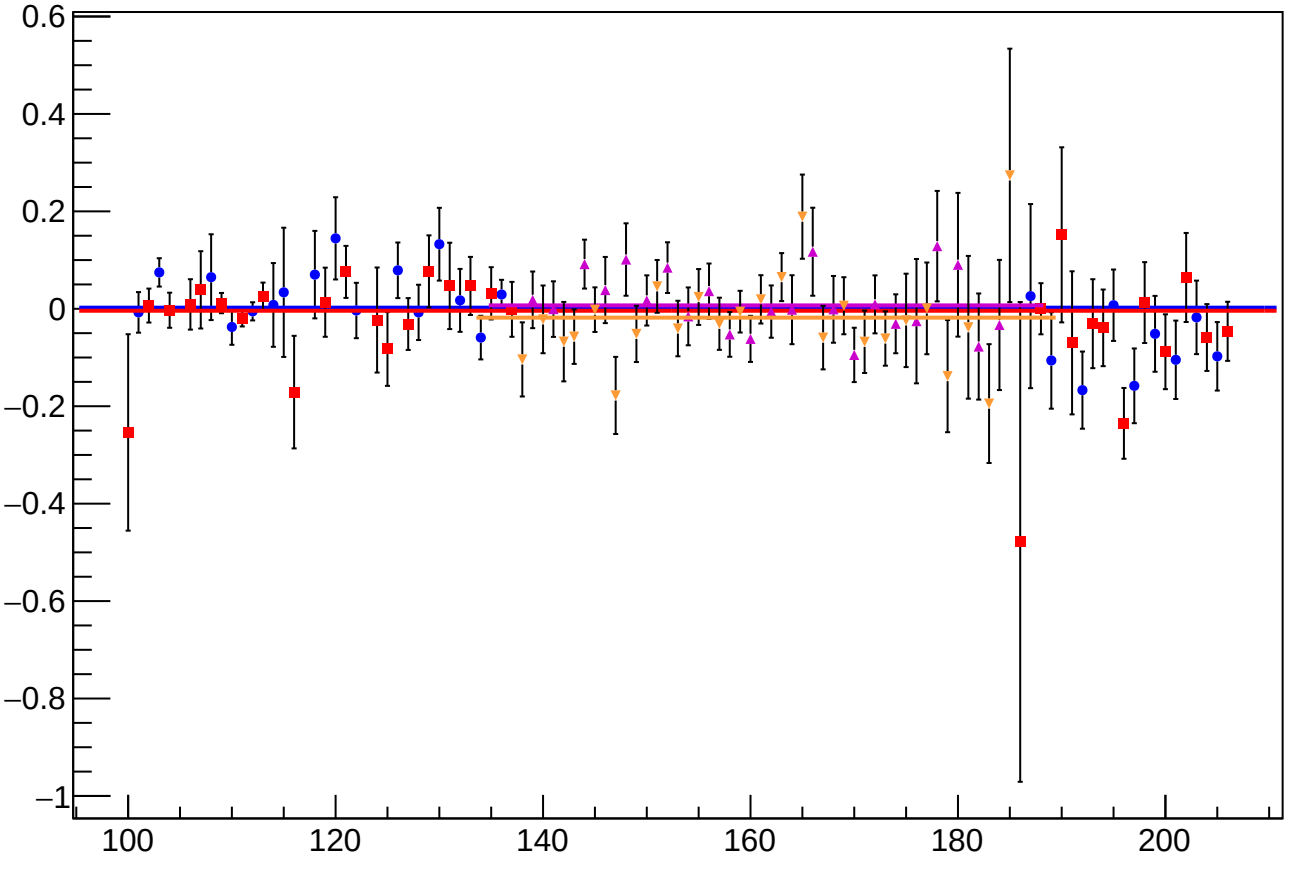
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9383865.5/55

In: 0.000+/-0.000 χ^2/NDF:5370475.8/47

Out: 0.000+/-0.000 χ^2/NDF:7548918.7/55

All: 0.000+/-0.000 χ^2/NDF: 13116599.9/103



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

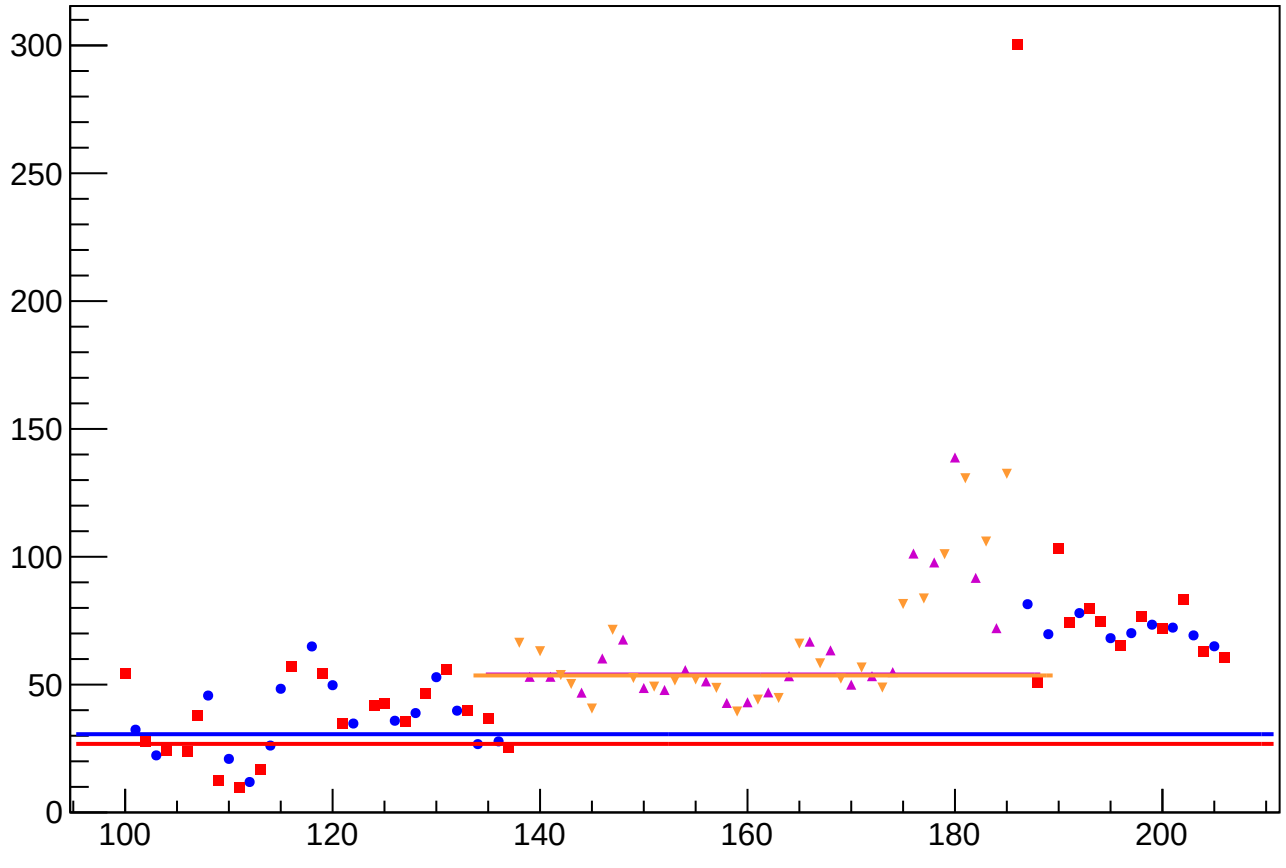
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.1/55

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.2/103



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

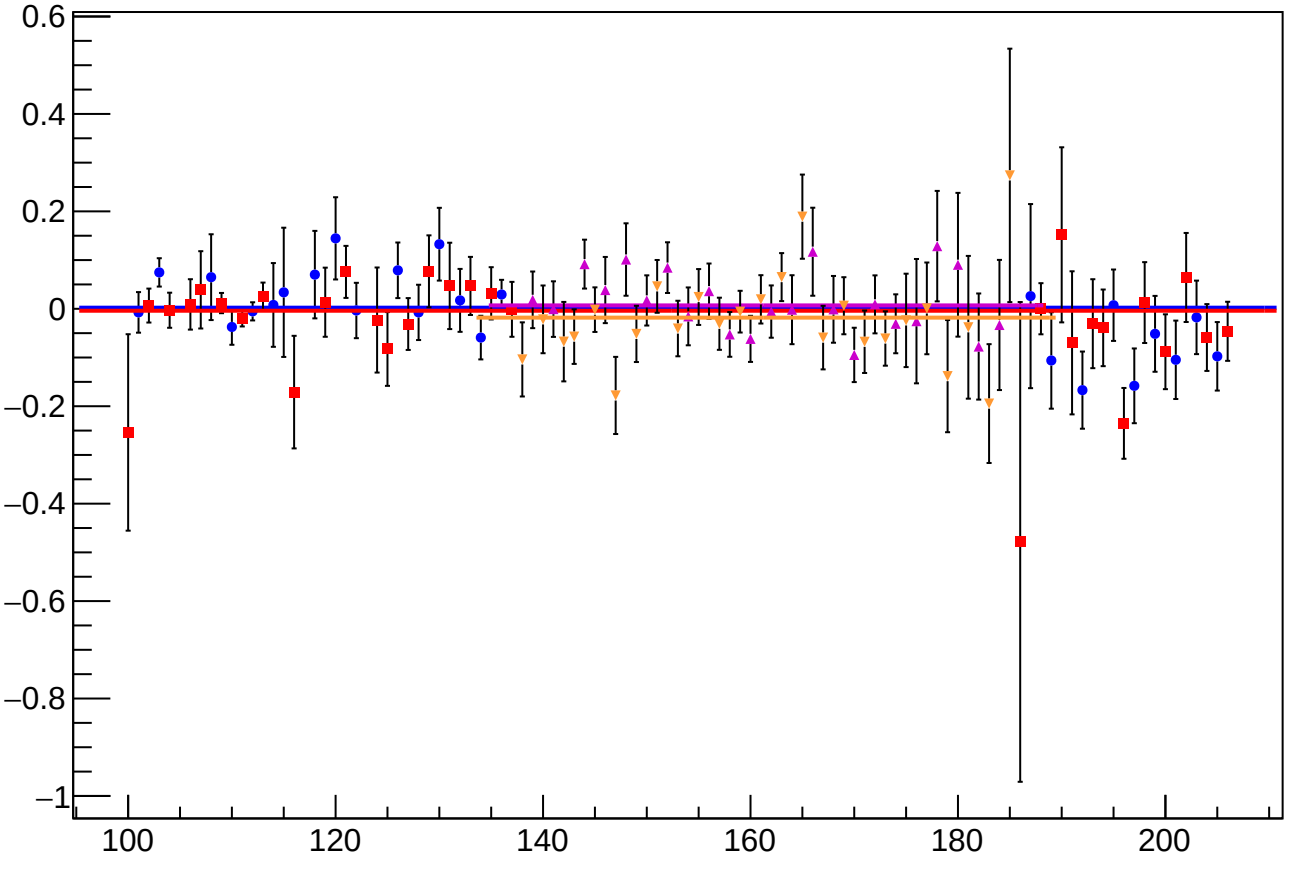
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.447+/-0.005 χ^2/NDF: 19137378.7/55

In: 38.990+/-0.006 χ^2/NDF:13565955.5/47

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 36.851+/-0.004 χ^2/NDF: 33968308.7/103



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

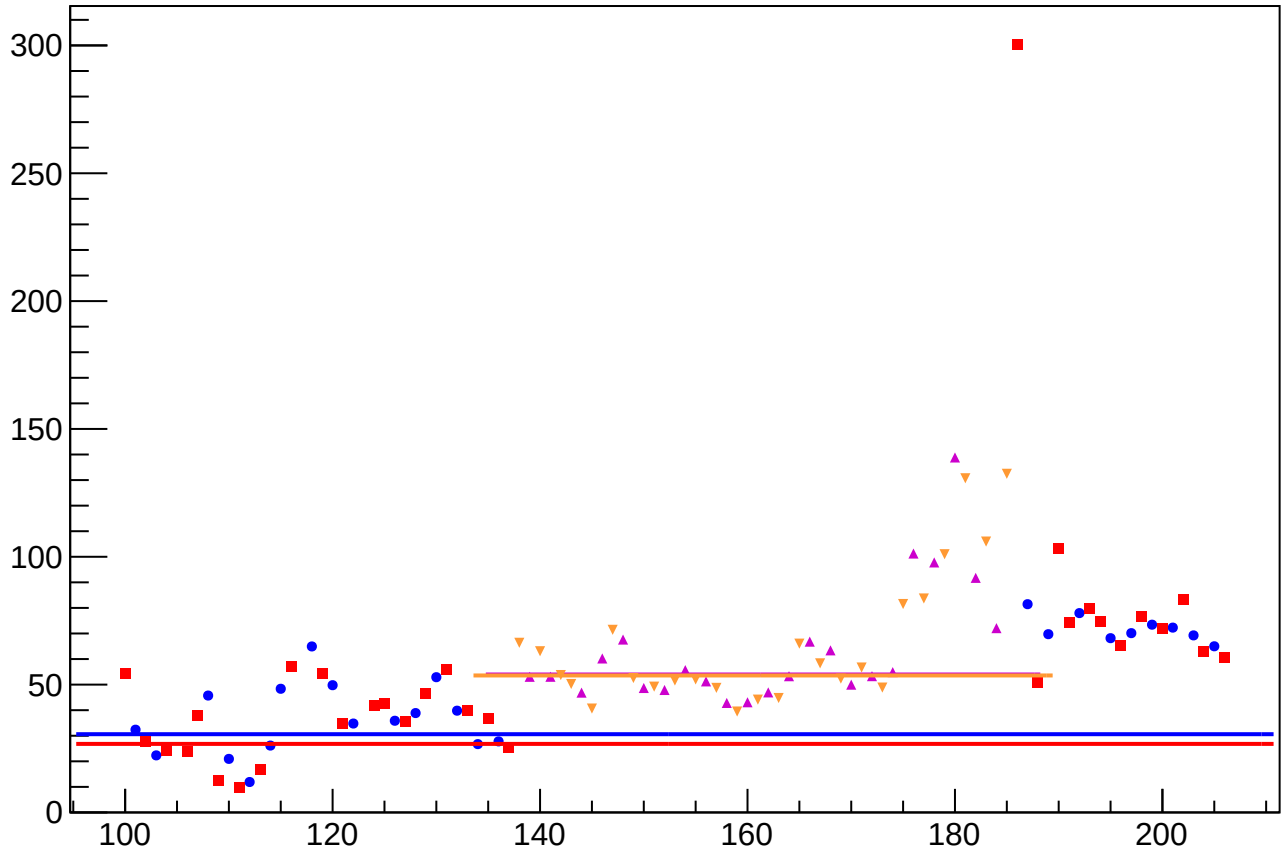
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.1/55

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.2/103



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

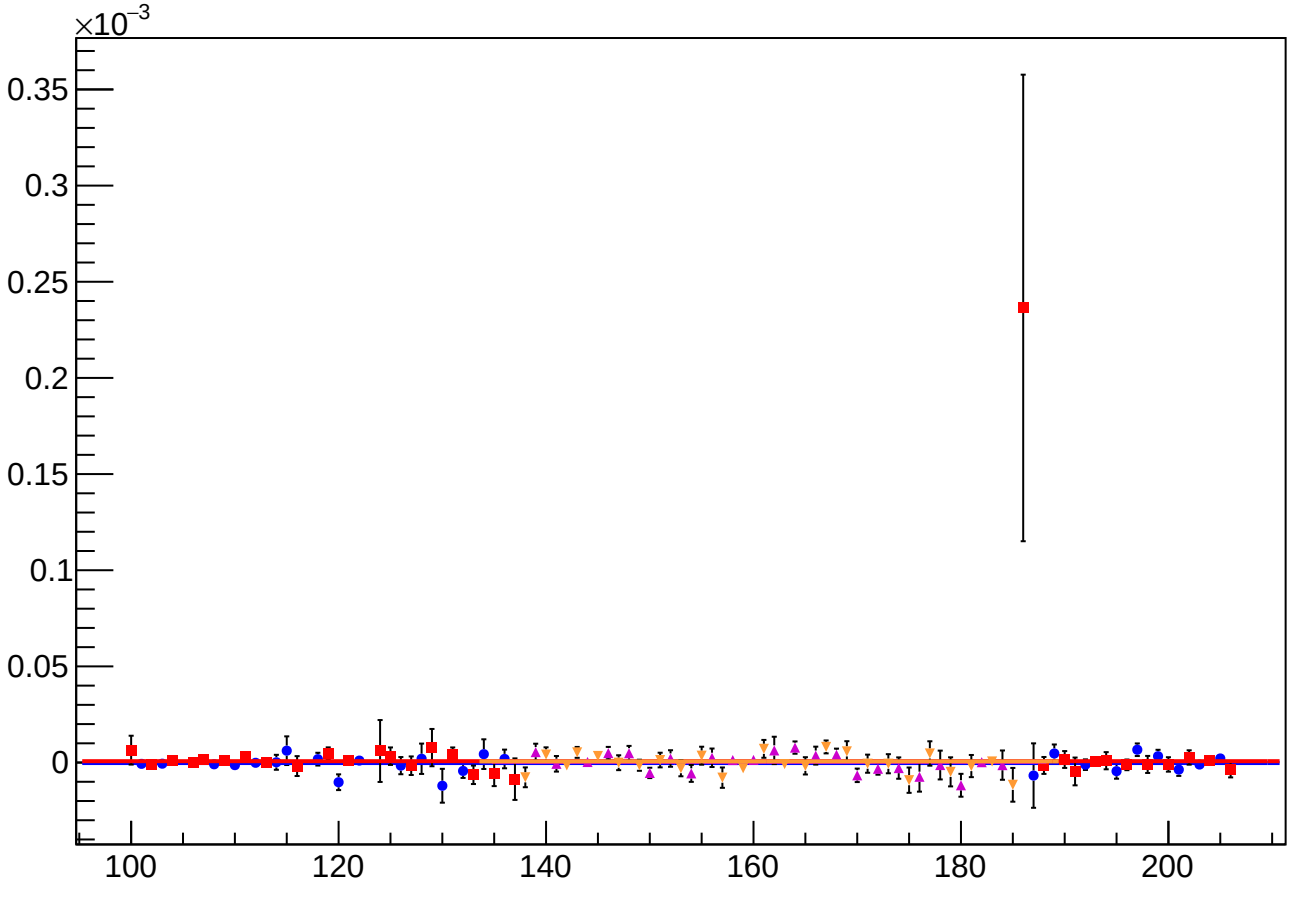
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.447+/-0.005 χ^2/NDF: 19137378.7/55

In: 38.990+/-0.006 χ^2/NDF:13565955.5/47

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 36.851+/-0.004 χ^2/NDF: 33968308.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

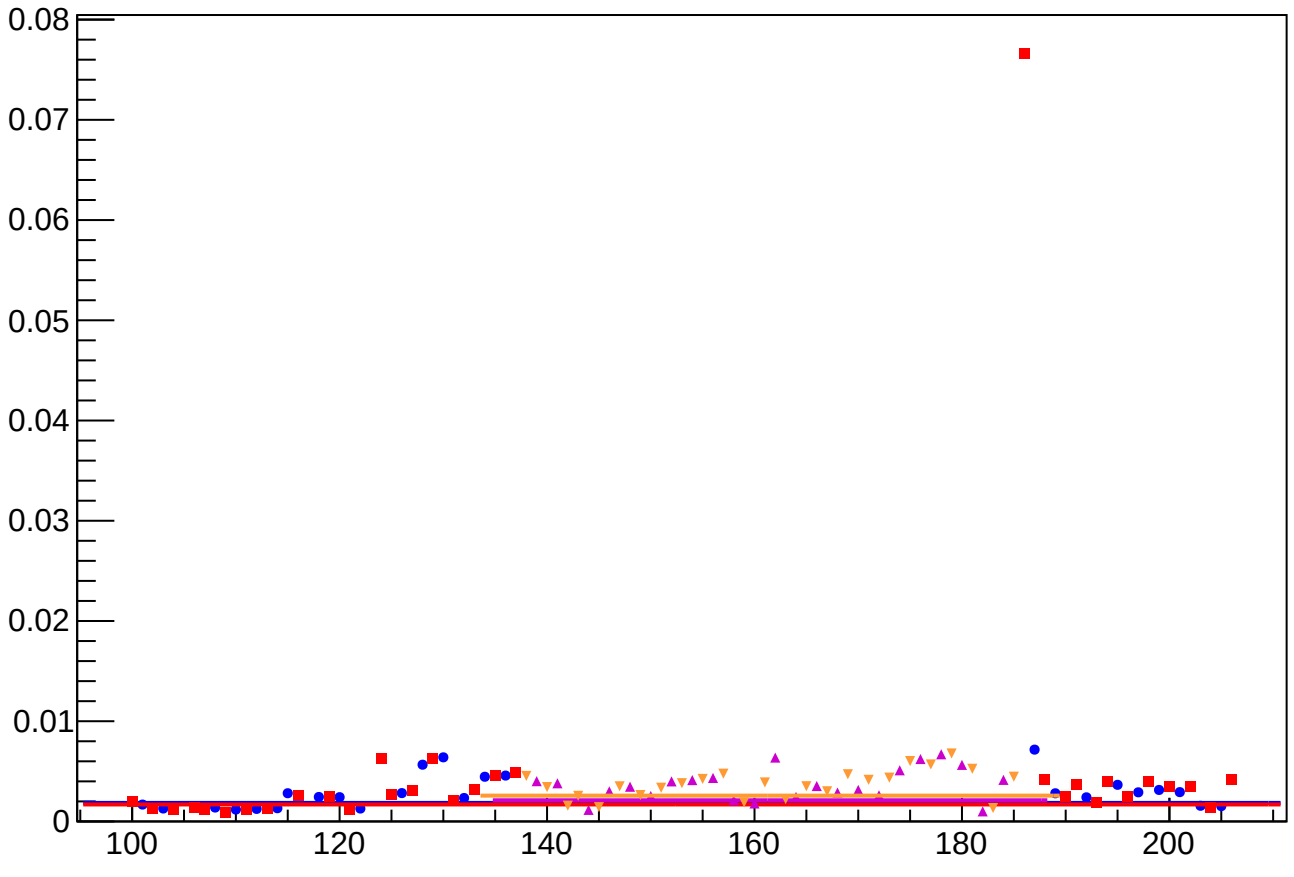
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/55

In: 0.000+/-0.000 χ^2/NDF:54.3/47

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 105.2/103



Right In: 0.002+/-0.000 χ^2/NDF: 4710762.6/24

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7966625.6/30

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

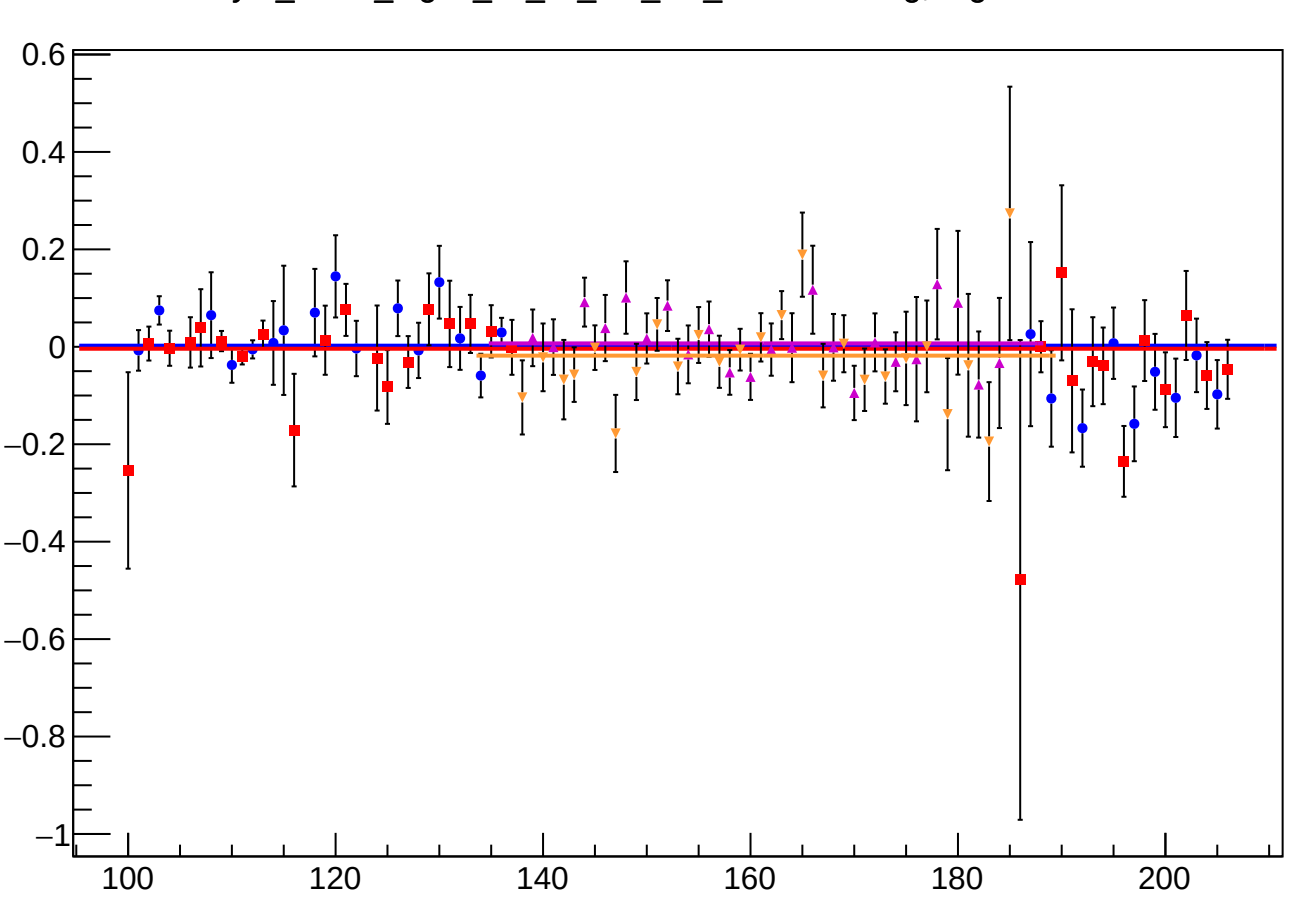
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 12763628.0/55

In: 0.002+/-0.000 χ^2/NDF:14406900.3/47

Out: 0.002+/-0.000 χ^2/NDF:17348165.5/55

All: 0.002+/-0.000 χ^2/NDF: 31761758.4/103



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

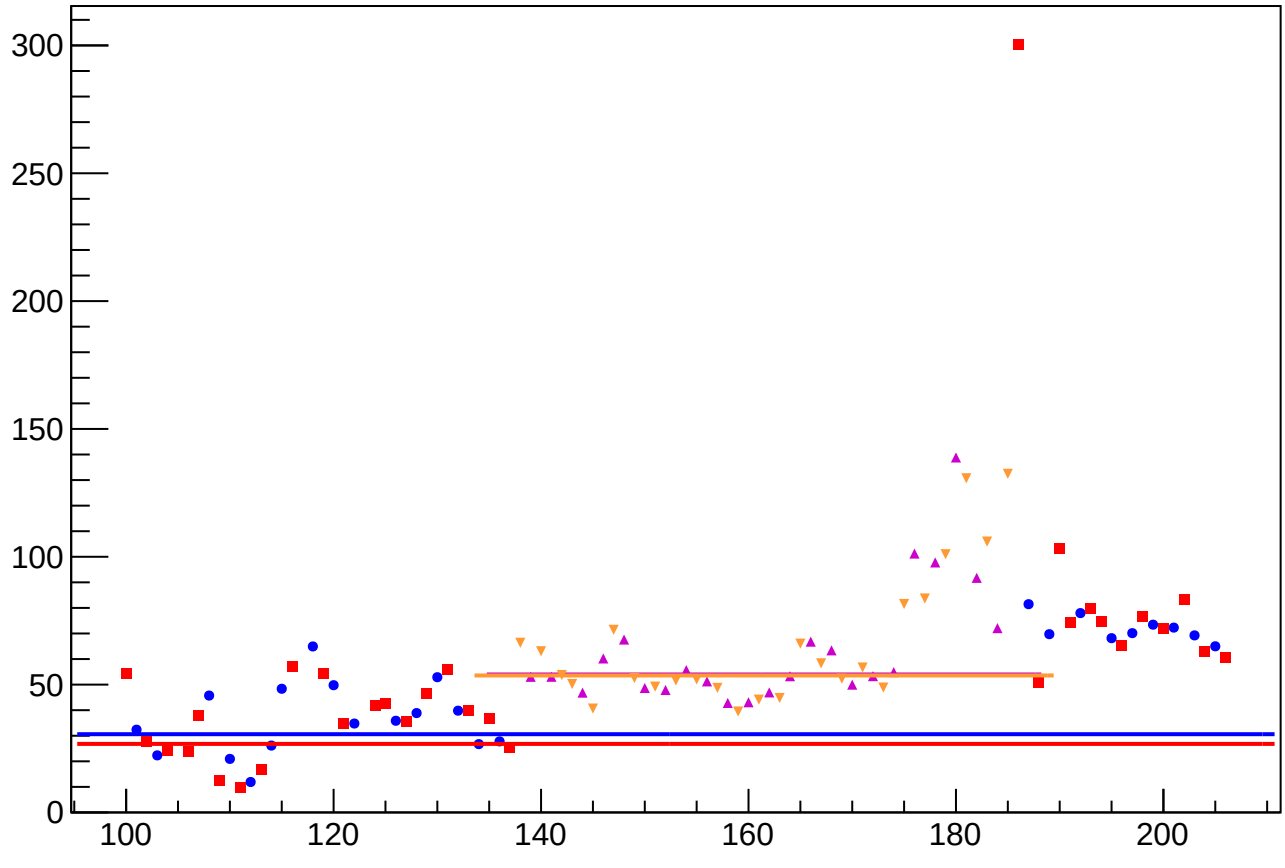
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.1/55

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.2/103



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

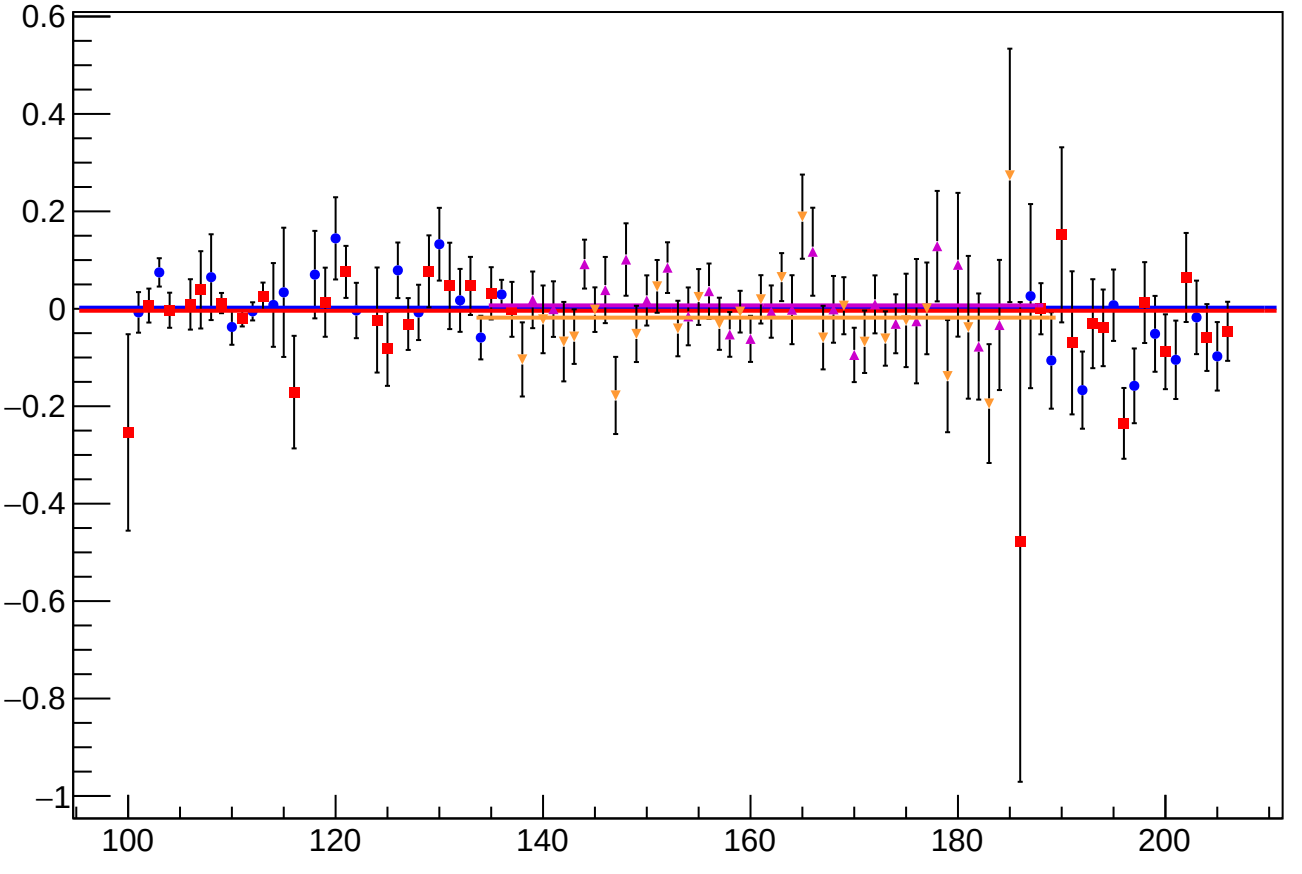
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 28.446+/-0.005 χ^2/NDF: 19137642.2/55

In: 38.989+/-0.006 χ^2/NDF:13566429.8/47

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 36.850+/-0.004 χ^2/NDF: 33969493.7/103



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

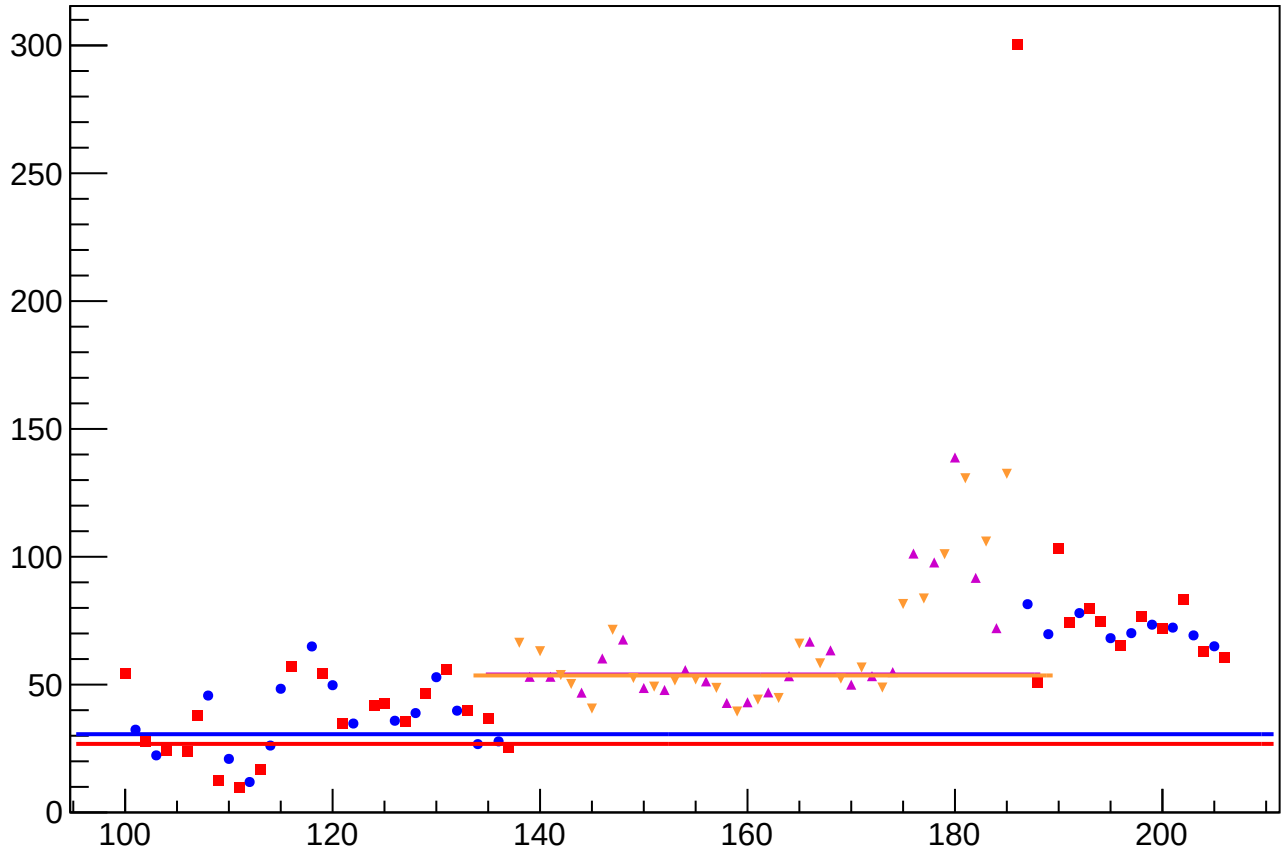
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.1/55

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.2/103



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

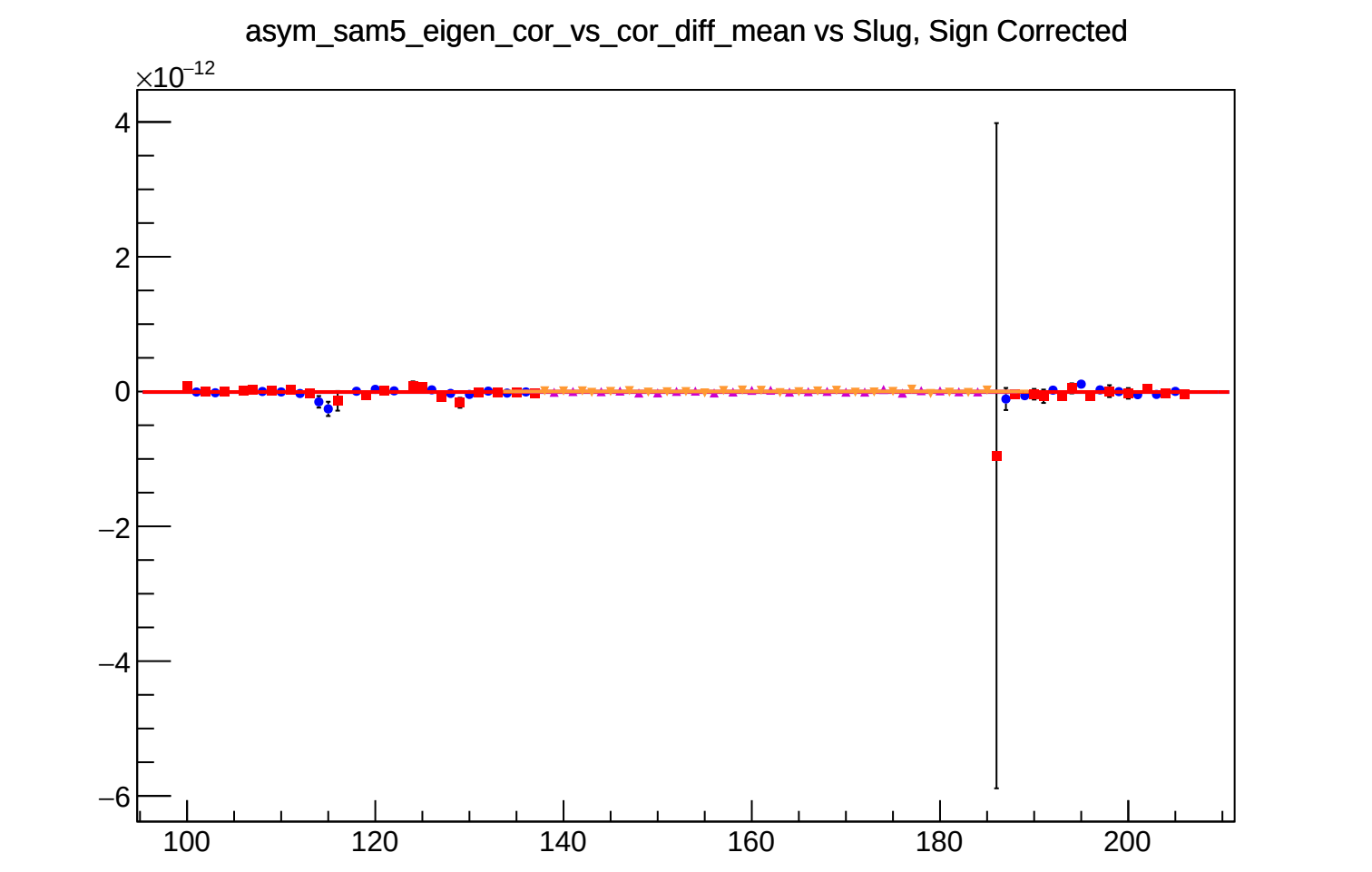
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 28.446+/-0.005 χ^2/NDF: 19137642.2/55

In: 38.989+/-0.006 χ^2/NDF:13566429.8/47

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 36.850+/-0.004 χ^2/NDF: 33969493.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/30

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

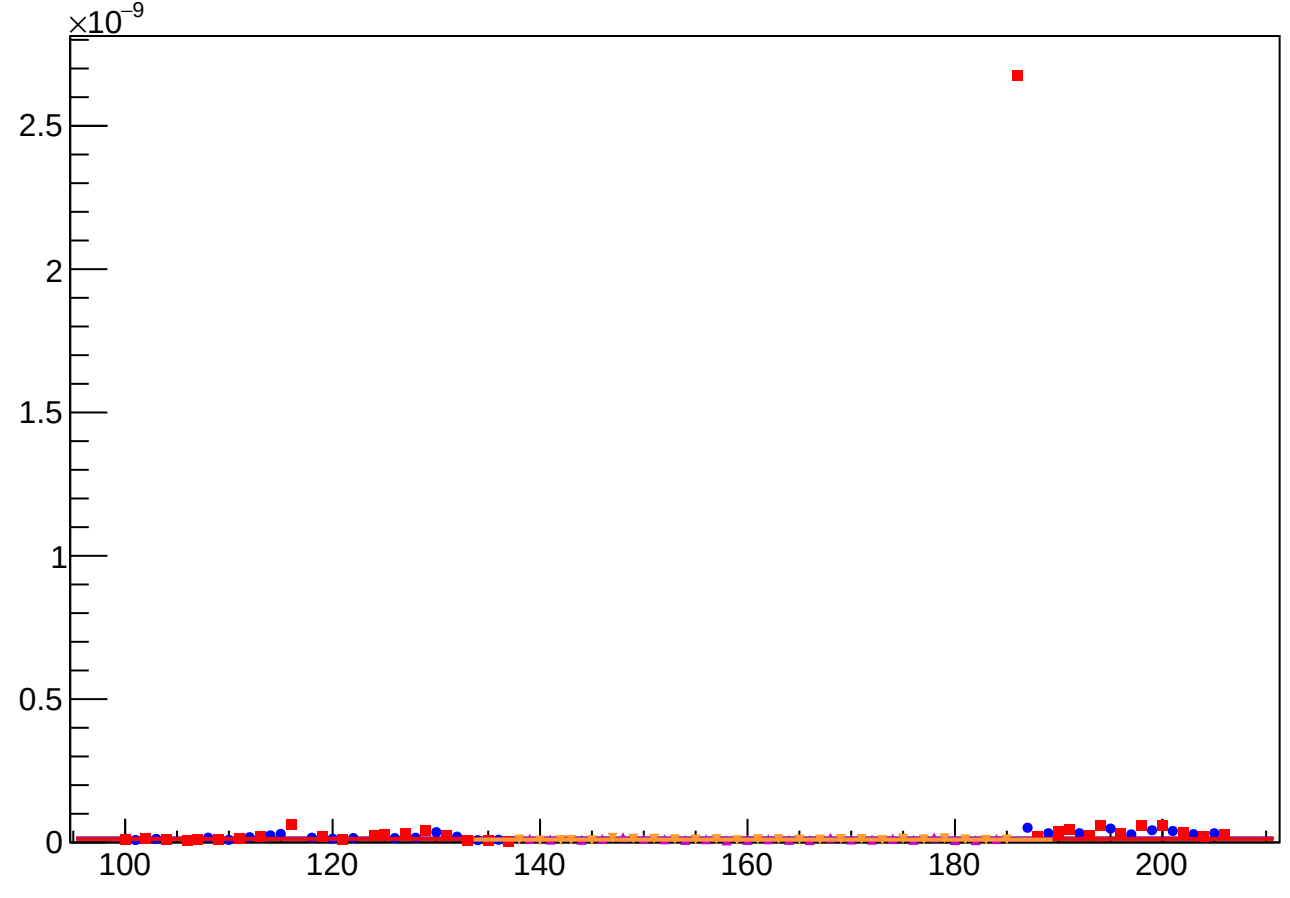
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.9/55

In: -0.000+/-0.000 χ^2/NDF:41.4/47

Out: -0.000+/-0.000 χ^2/NDF:65.4/55

All: -0.000+/-0.000 χ^2/NDF: 106.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 4844560.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7996078.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

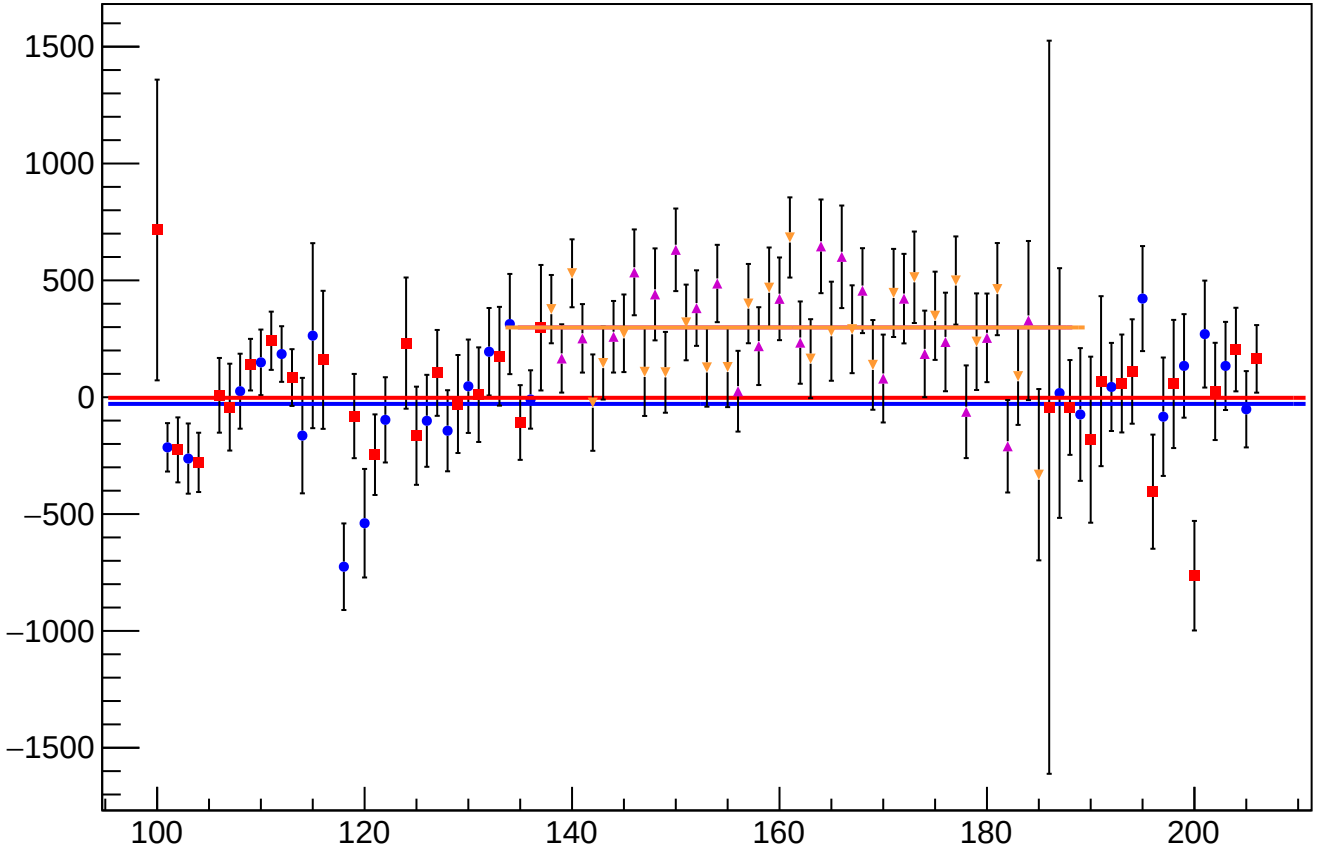
Right: 0.000+/-0.000 χ^2/NDF: 12937918.5/55

In: 0.000+/-0.000 χ^2/NDF:6918190.7/47

Out: 0.000+/-0.000 χ^2/NDF:9616179.7/55

All: 0.000+/-0.000 χ^2/NDF: 16587607.6/103

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -28.620+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.508+/-33.418 χ^2/NDF: 37.8/30

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

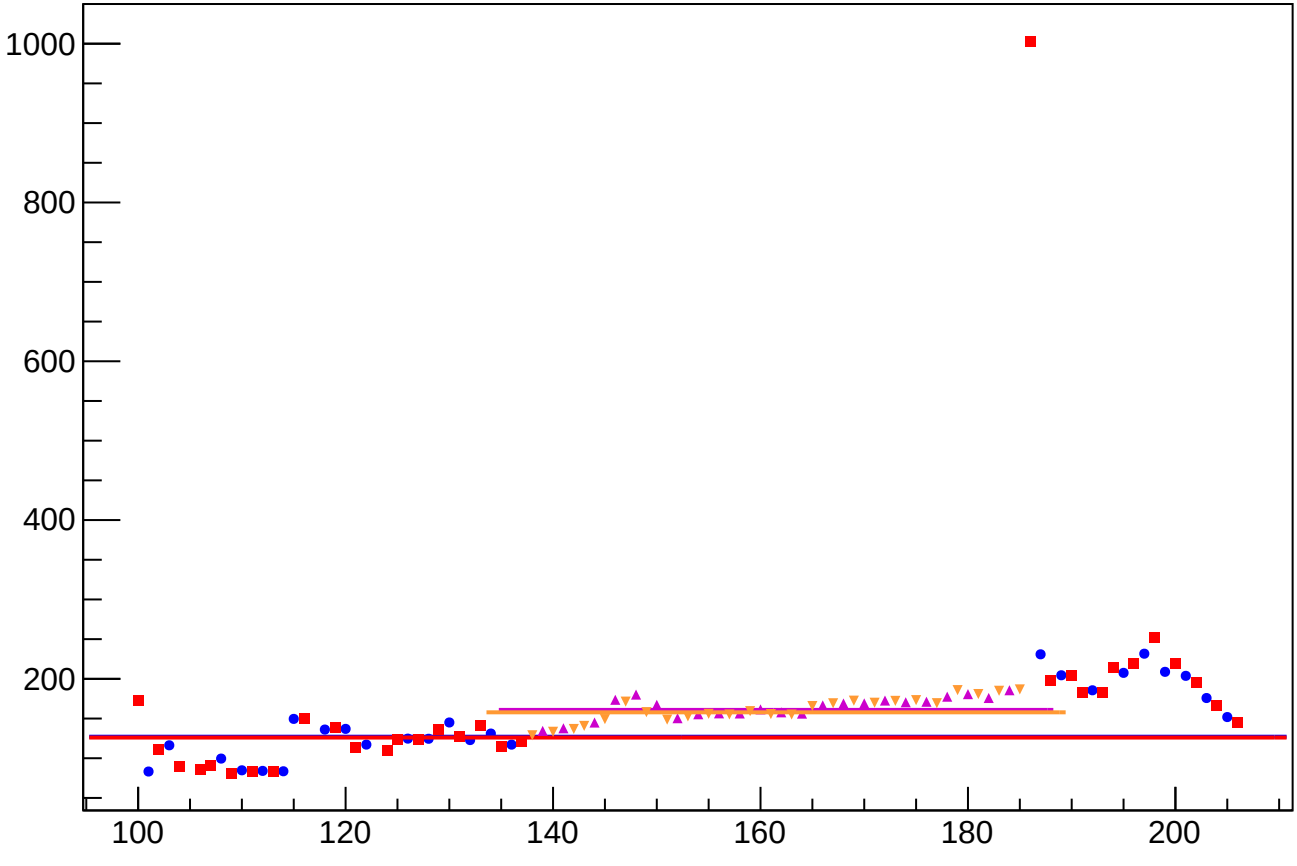
Right: -14.675+/-24.421 χ^2/NDF: 80.6/55

In: 126.351+/-25.960 χ^2/NDF:111.6/47

Out: 136.611+/-24.508 χ^2/NDF:101.3/55

All: 131.776+/-17.821 χ^2/NDF: 212.9/103

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674762.9/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.064+/-0.024 χ^2/NDF: 4156794.9/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

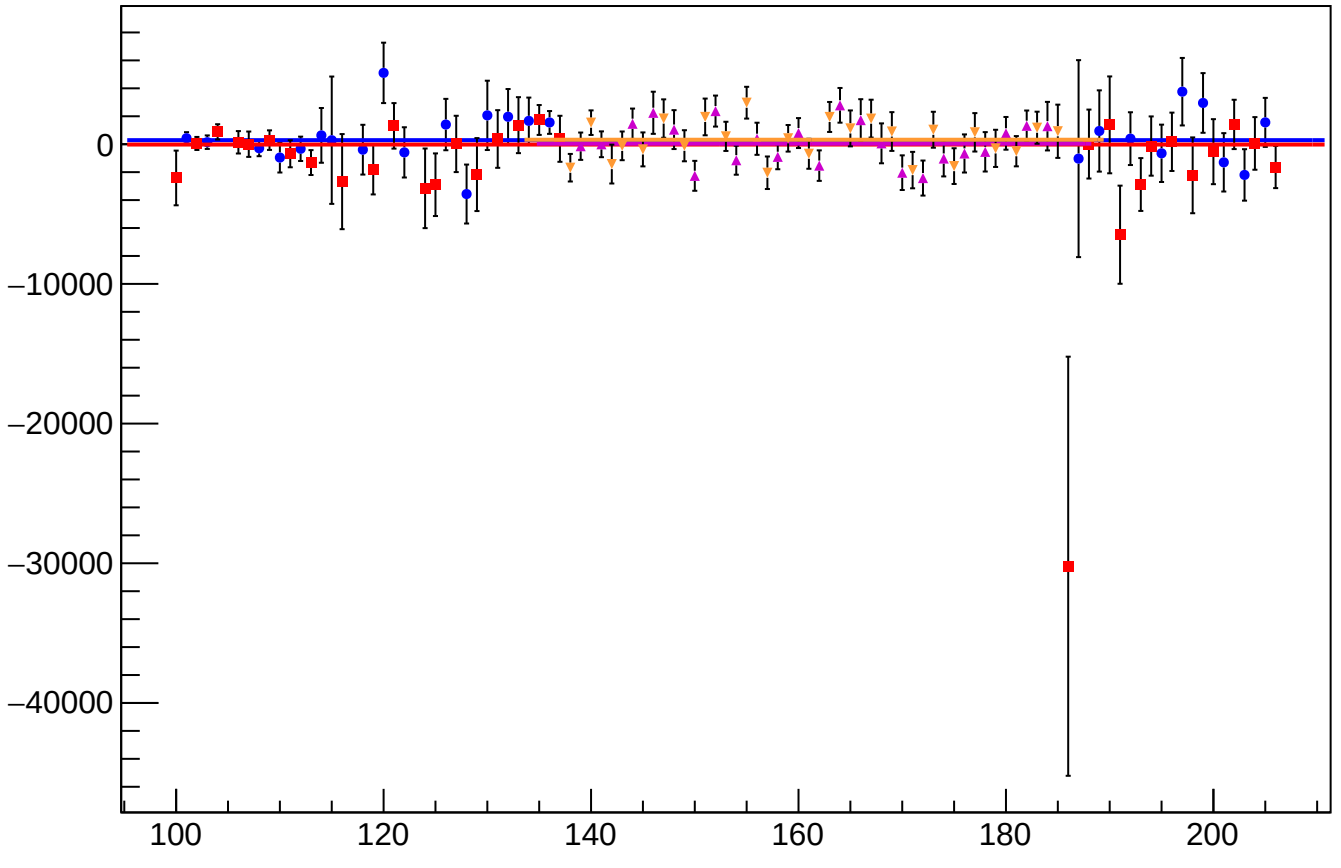
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.554+/-0.017 χ^2/NDF: 6832479.5/55

In: 143.100+/-0.018 χ^2/NDF:3786256.0/47

Out: 140.748+/-0.017 χ^2/NDF:5369503.5/55

All: 141.856+/-0.013 χ^2/NDF: 9164440.6/103



Right In: 290.223+/-219.845 χ^2/NDF: 23.3/24

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.826+/-218.322 χ^2/NDF: 28.6/30

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

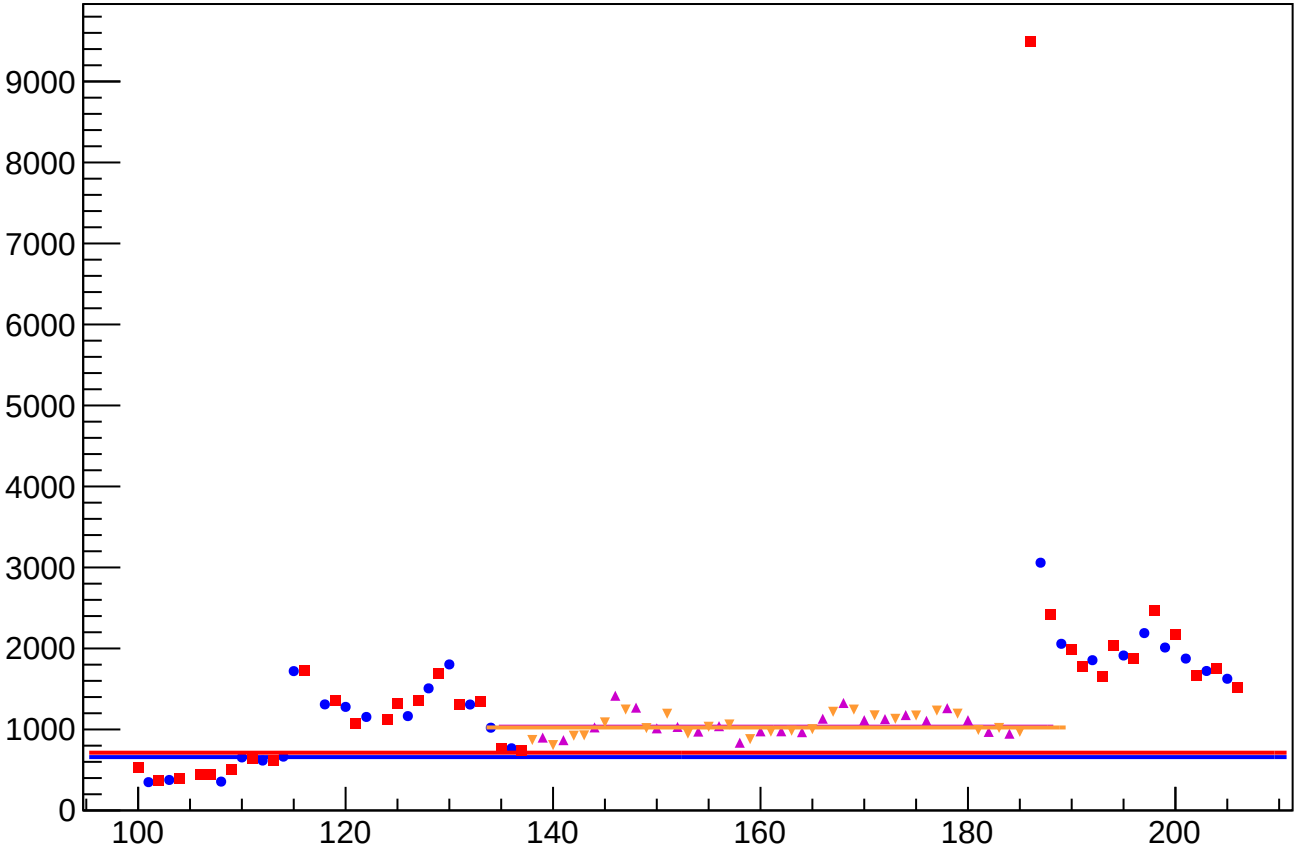
Right: 132.107+/-154.913 χ^2/NDF: 53.0/55

In: 177.827+/-163.375 χ^2/NDF:58.7/47

Out: 135.369+/-159.975 χ^2/NDF:62.3/55

All: 156.151+/-114.302 χ^2/NDF: 121.0/103

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 658.676+/-0.155 χ^2/NDF: 10001732.4/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 713.211+/-0.154 χ^2/NDF: 11302558.8/30

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

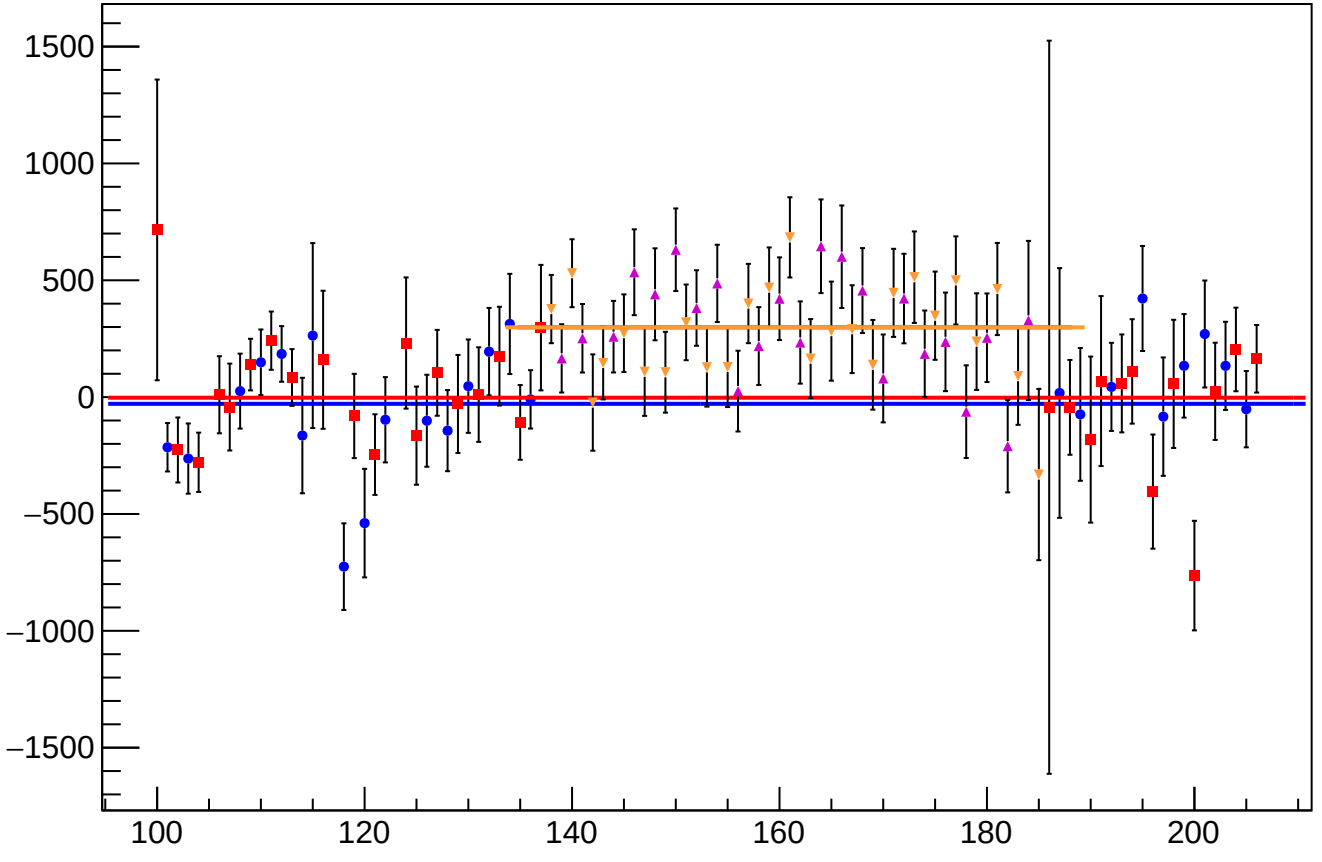
Right: 686.133+/-0.110 χ^2/NDF: 21366253.0/55

In: 826.918+/-0.116 χ^2/NDF:13246183.6/47

Out: 857.360+/-0.113 χ^2/NDF:13782975.4/55

All: 842.459+/-0.081 χ^2/NDF: 27064608.1/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.482+/-33.462 χ^2/NDF: 37.8/30

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

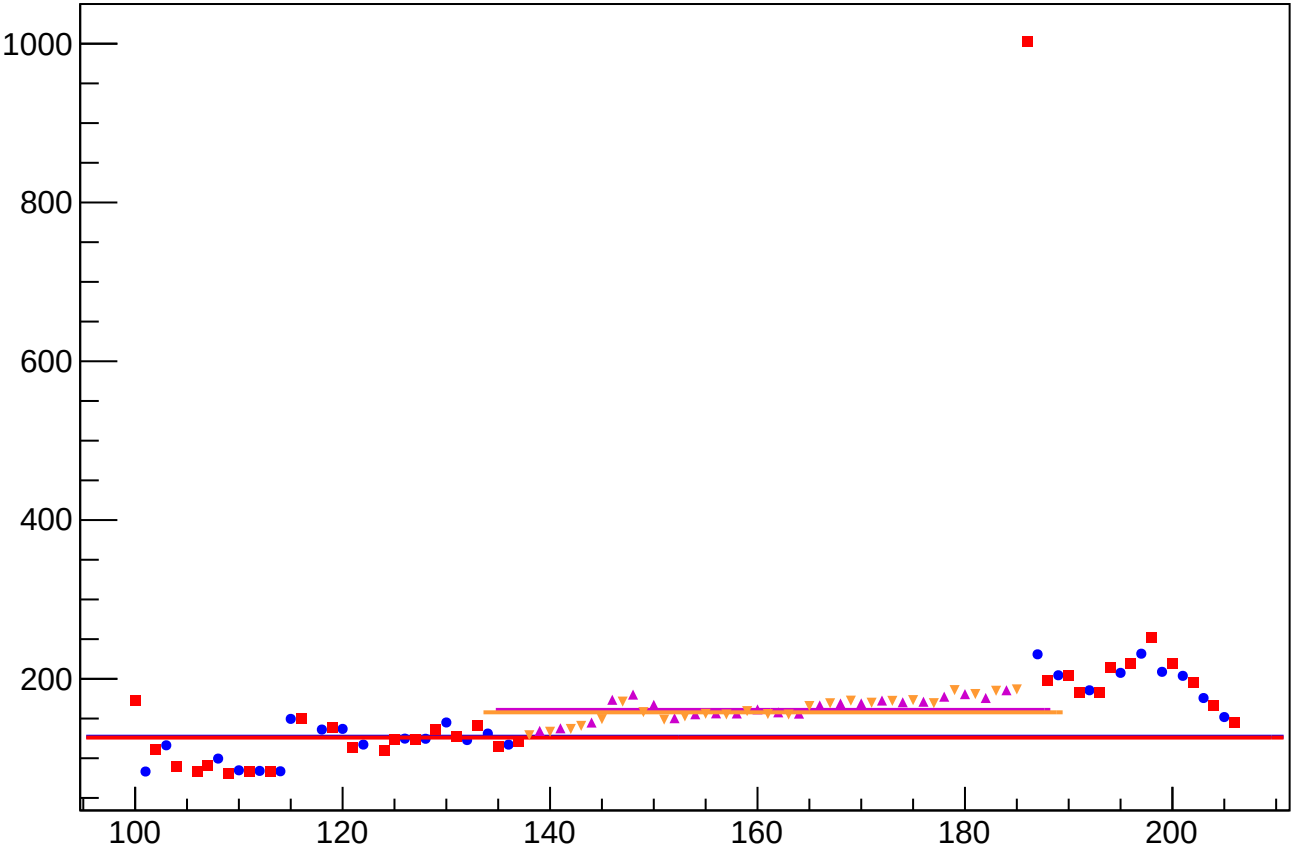
Right: -14.689+/-24.439 χ^2/NDF: 80.6/55

In: 126.343+/-25.960 χ^2/NDF:111.6/47

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 131.882+/-17.828 χ^2/NDF: 212.9/103

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

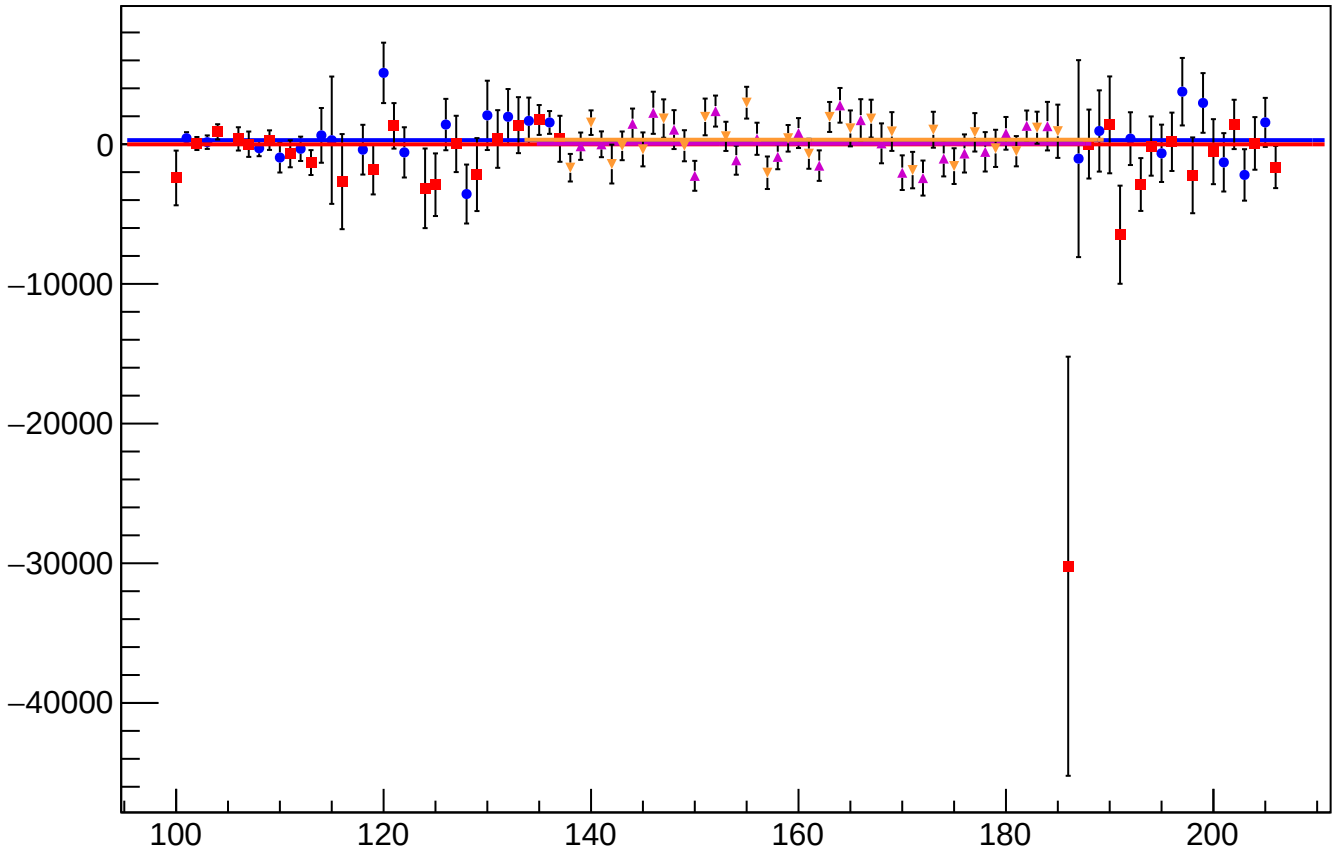
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.543+/-0.017 χ^2/NDF: 6844178.3/55

In: 143.100+/-0.018 χ^2/NDF:3786251.7/47

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.862+/-0.013 χ^2/NDF: 9176189.7/103



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.633+/-218.843 χ^2/NDF: 28.8/30

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

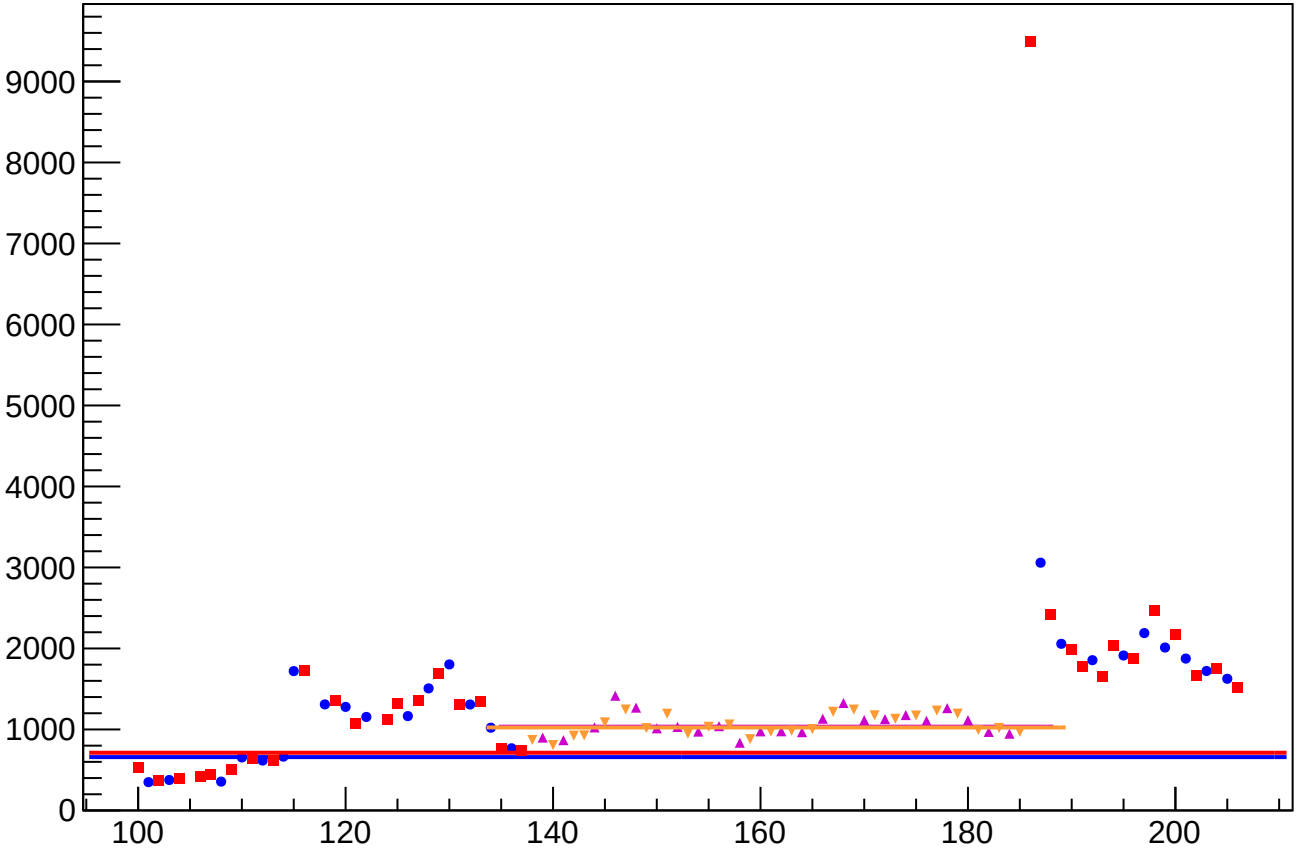
Right: 140.180+/-155.096 χ^2/NDF: 53.1/55

In: 177.901+/-163.372 χ^2/NDF:58.7/47

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 160.574+/-114.376 χ^2/NDF: 121.1/103

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

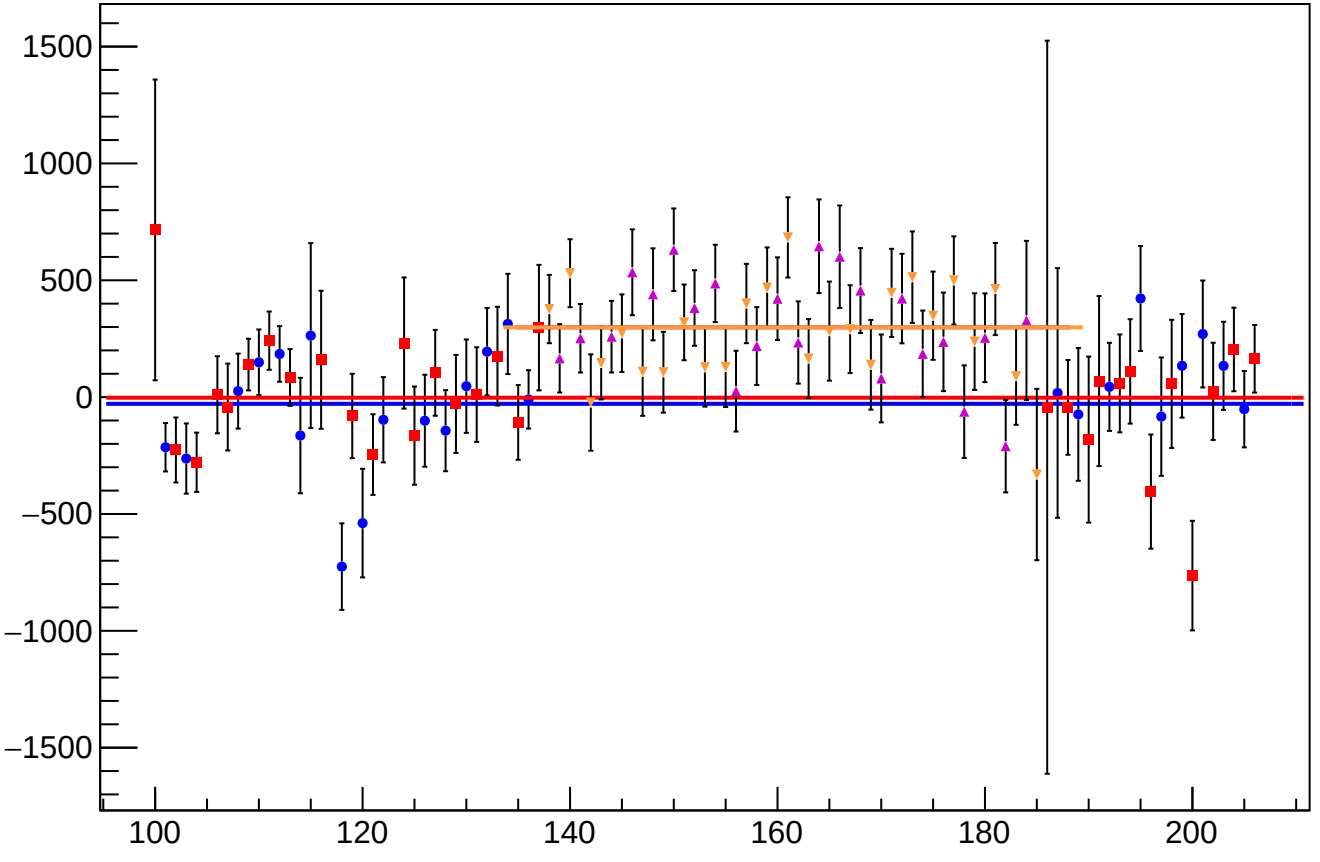
Right: 685.716+/-0.110 χ^2/NDF: 21397859.3/55

In: 826.898+/-0.116 χ^2/NDF:13247054.8/47

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 842.434+/-0.081 χ^2/NDF: 27102260.3/10

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.482+/-33.462 χ^2/NDF: 37.8/30

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

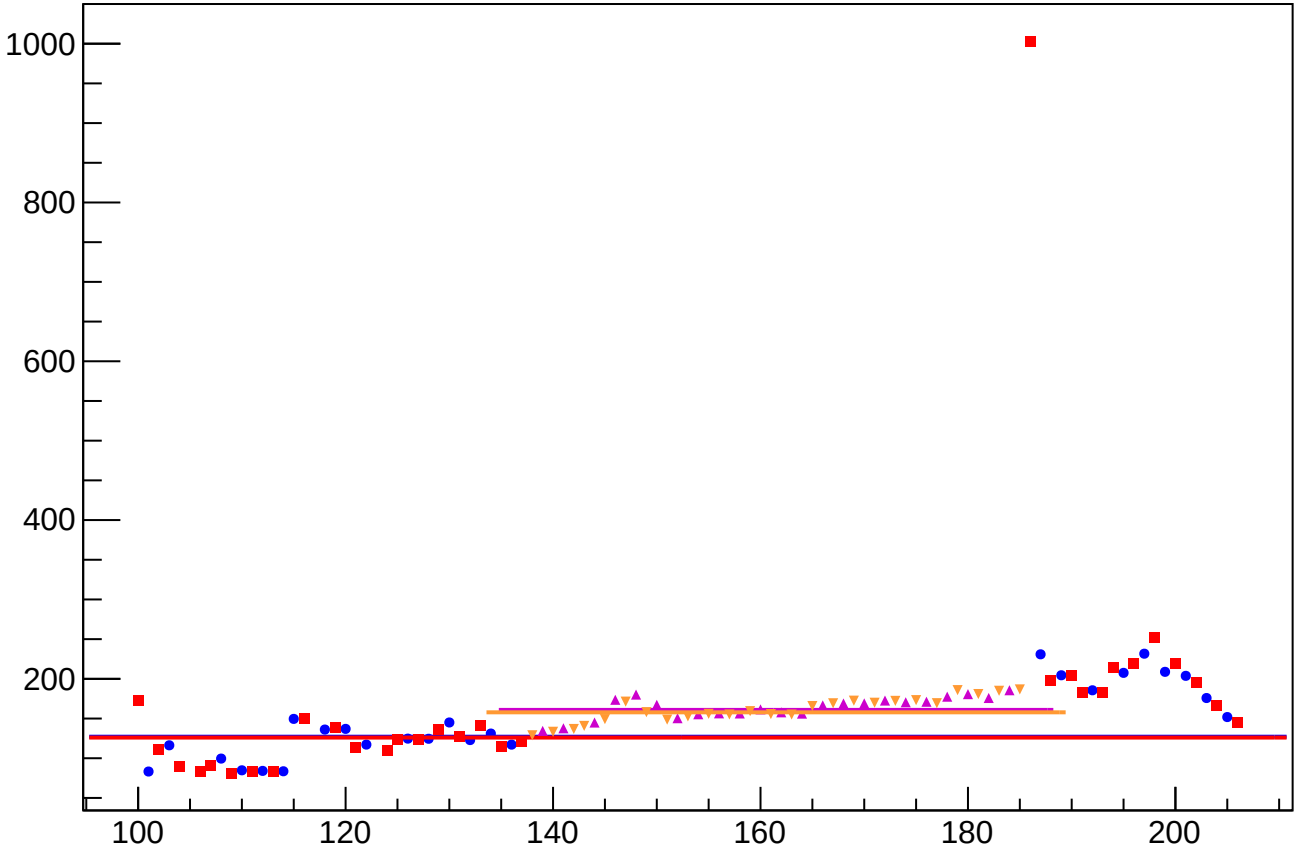
Right: -14.689+/-24.439 χ^2/NDF: 80.6/55

In: 126.343+/-25.960 χ^2/NDF:111.6/47

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 131.882+/-17.828 χ^2/NDF: 212.9/103

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

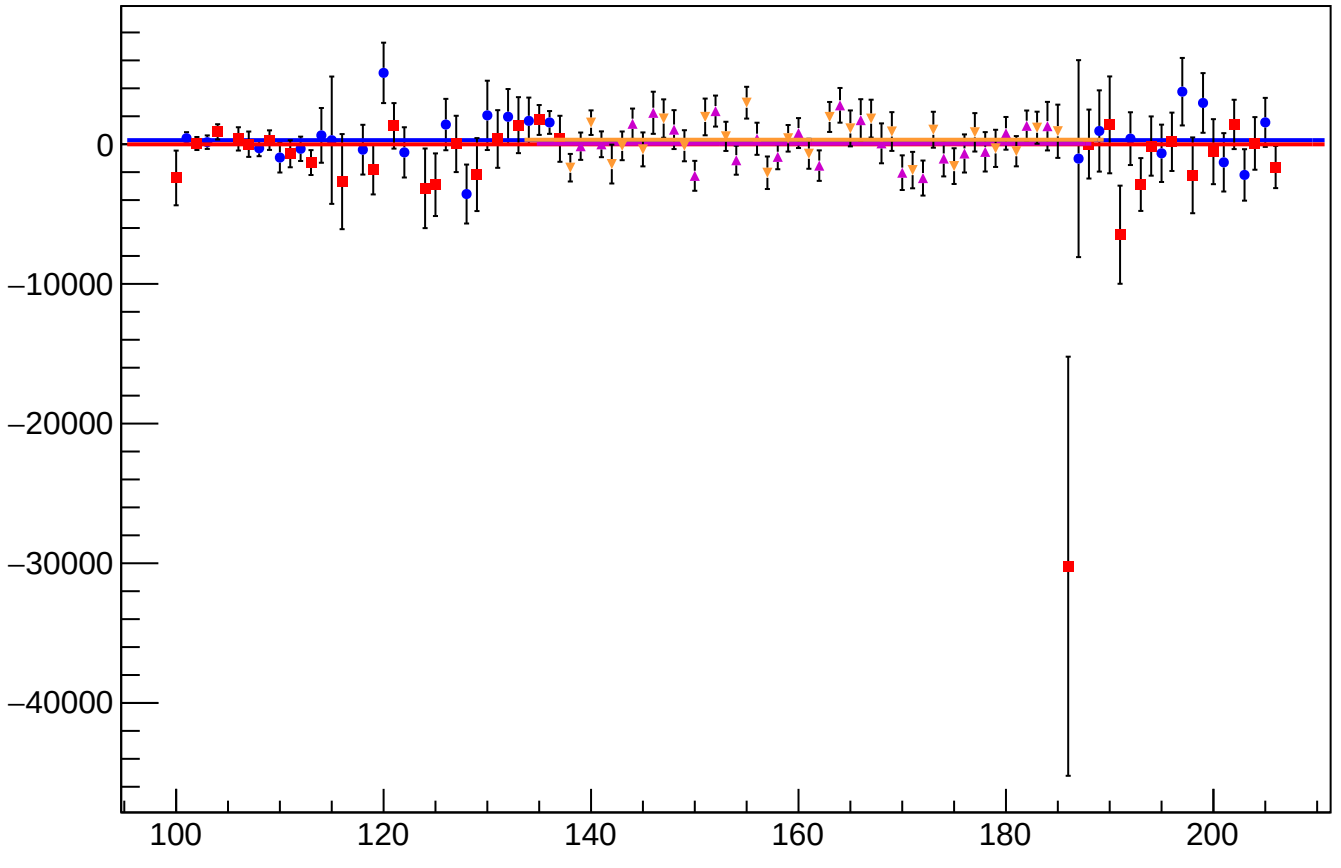
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.543+/-0.017 χ^2/NDF: 6844178.3/55

In: 143.100+/-0.018 χ^2/NDF:3786251.7/47

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.862+/-0.013 χ^2/NDF: 9176189.7/103



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.633+/-218.843 χ^2/NDF: 28.8/30

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

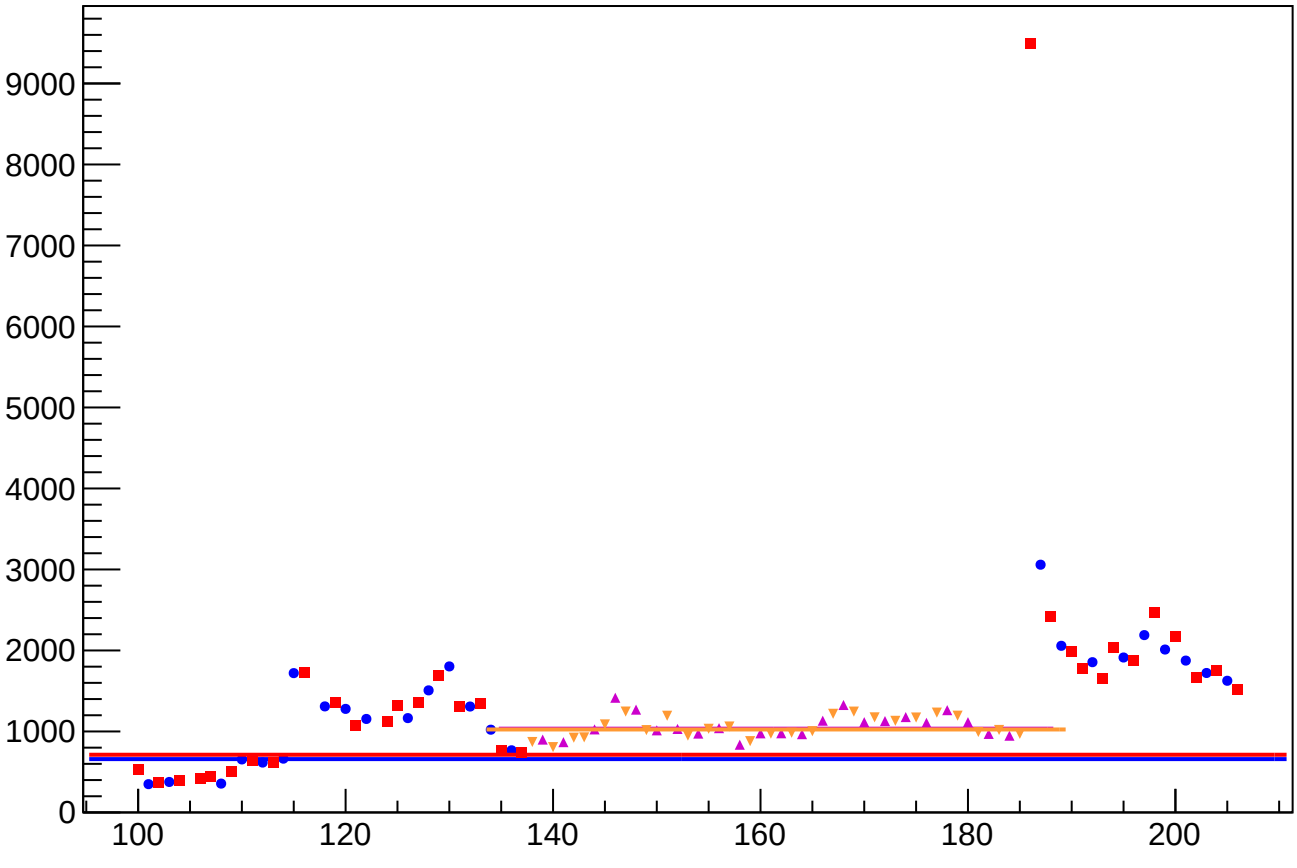
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 140.180+/-155.096 χ^2/NDF: 53.1/55

In: 177.901+/-163.372 χ^2/NDF:58.7/47

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 160.574+/-114.376 χ^2/NDF: 121.1/103



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

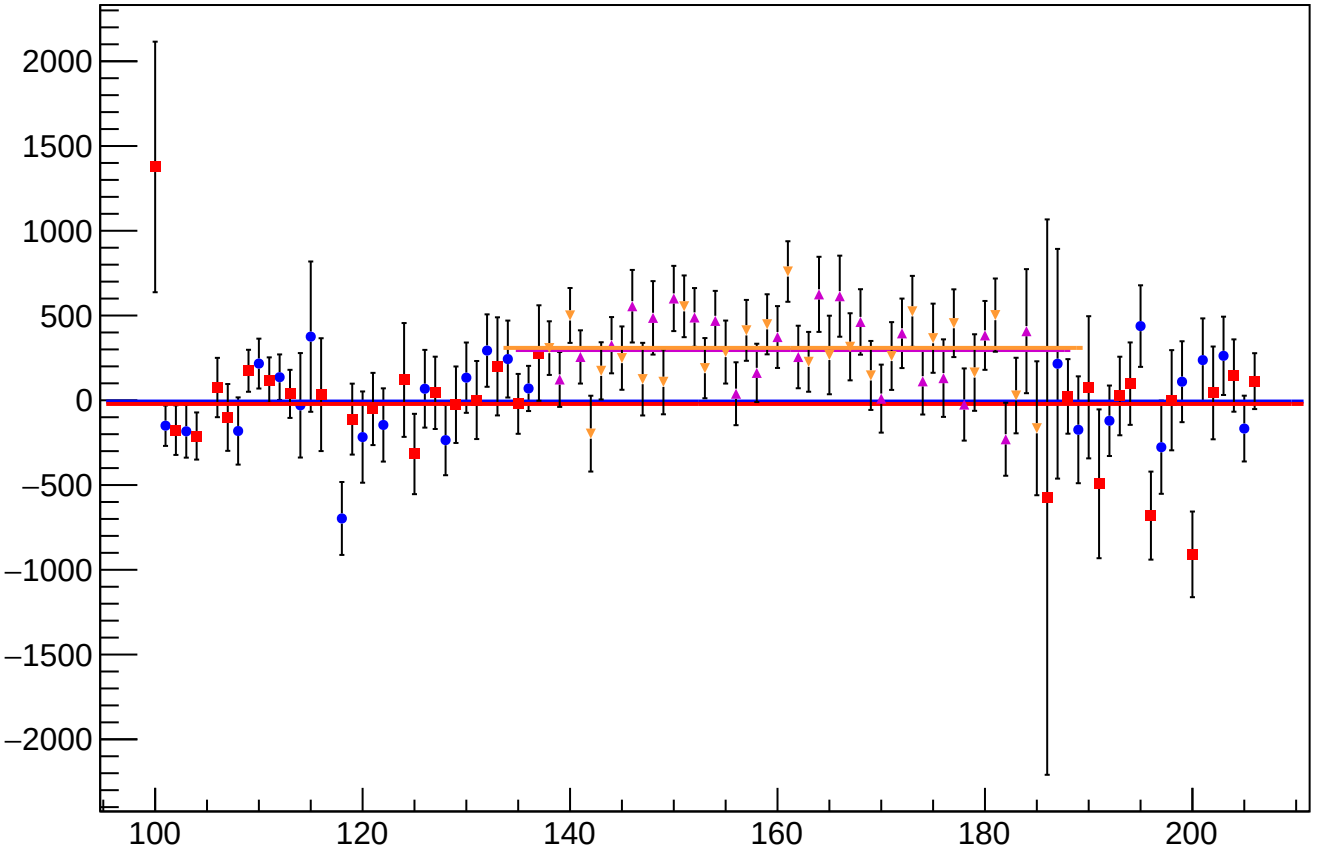
Right: 685.716+/-0.110 χ^2/NDF: 21397859.3/55

In: 826.898+/-0.116 χ^2/NDF:13247054.8/47

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 842.434+/-0.081 χ^2/NDF: 27102260.3/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -7.441+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -21.546+/-37.569 χ^2/NDF: 36.3/30

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

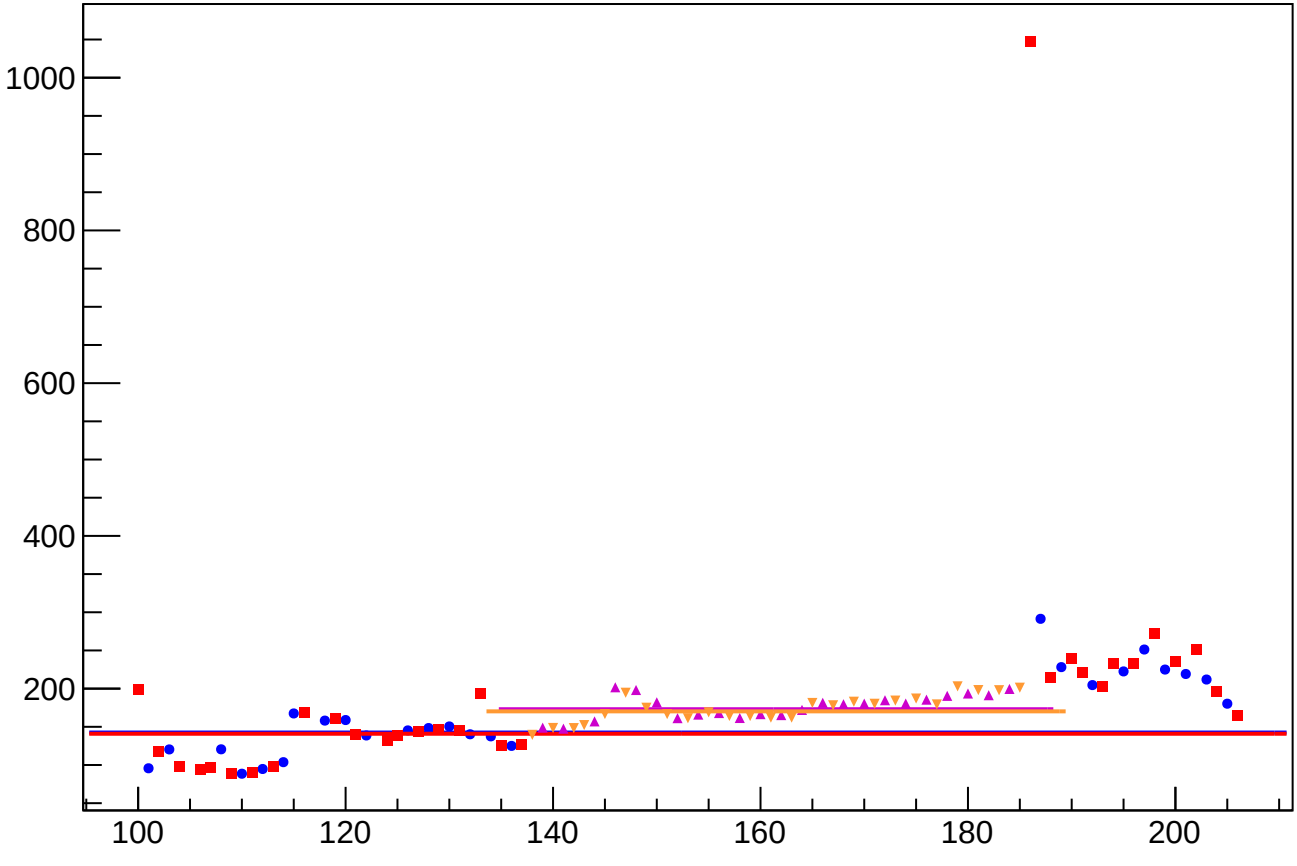
Right: -14.965+/-27.439 χ^2/NDF: 69.0/55

In: 142.883+/-28.557 χ^2/NDF:88.8/47

Out: 137.986+/-27.024 χ^2/NDF:99.3/55

All: 140.300+/-19.628 χ^2/NDF: 188.0/103

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 142.507+/-0.028 χ^2/NDF: 2637672.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330503.2/30

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

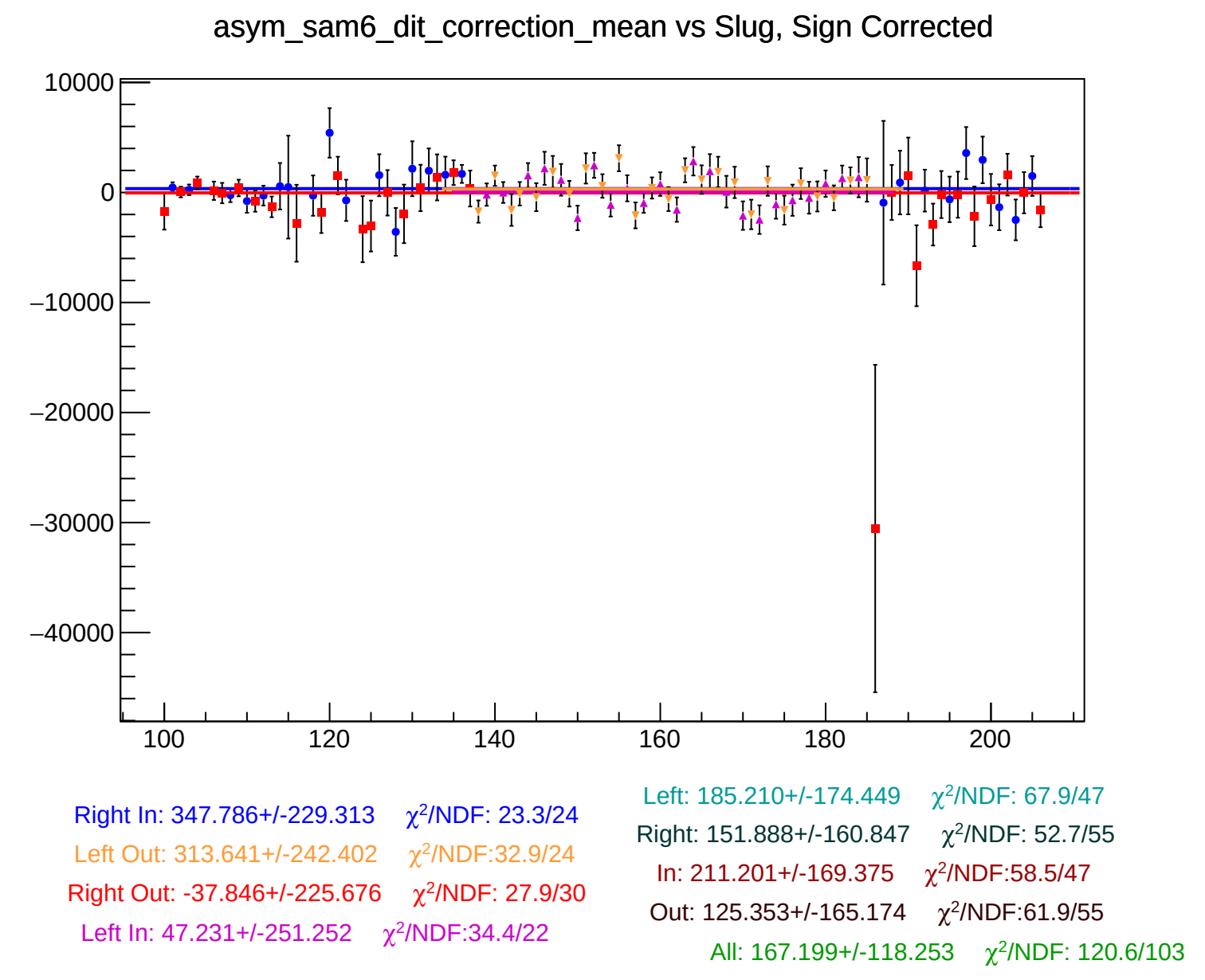
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

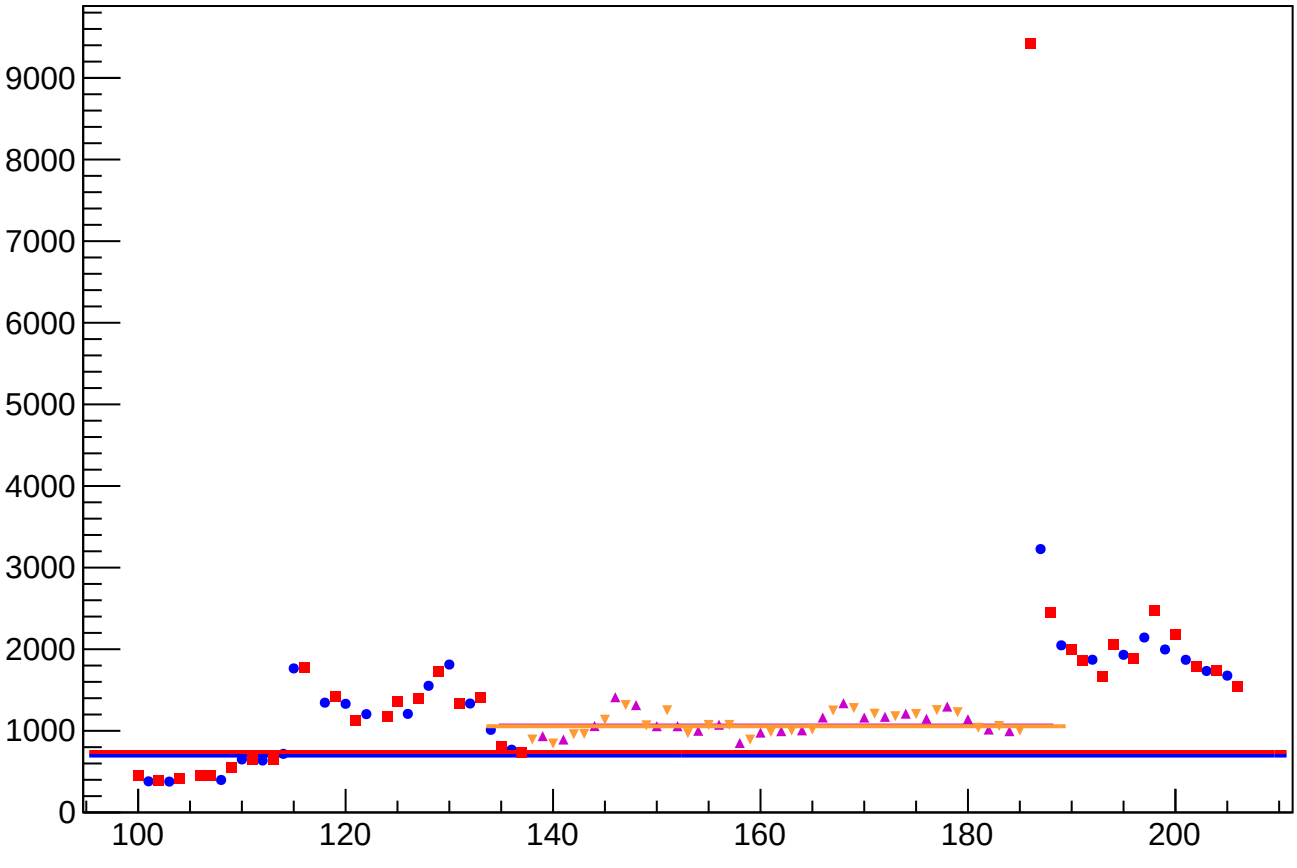
Right: 141.663+/-0.019 χ^2/NDF: 6969833.5/55

In: 157.600+/-0.020 χ^2/NDF:3502251.3/47

Out: 155.072+/-0.019 χ^2/NDF:5284529.9/55

All: 156.266+/-0.014 χ^2/NDF: 8795054.9/103


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 347.786+/-229.313 χ²/NDF: 23.3/24
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -37.846+/-225.676 χ²/NDF: 27.9/30
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 151.888+/-160.847 χ²/NDF: 52.7/55
In: 211.201+/-169.375 χ²/NDF:58.5/47
Out: 125.353+/-165.174 χ²/NDF:61.9/55
All: 167.199+/-118.253 χ²/NDF: 120.6/103



Right In: 697.179+/-0.162 χ^2/NDF: 9501506.1/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 740.705+/-0.160 χ^2/NDF: 11137559.5/30

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

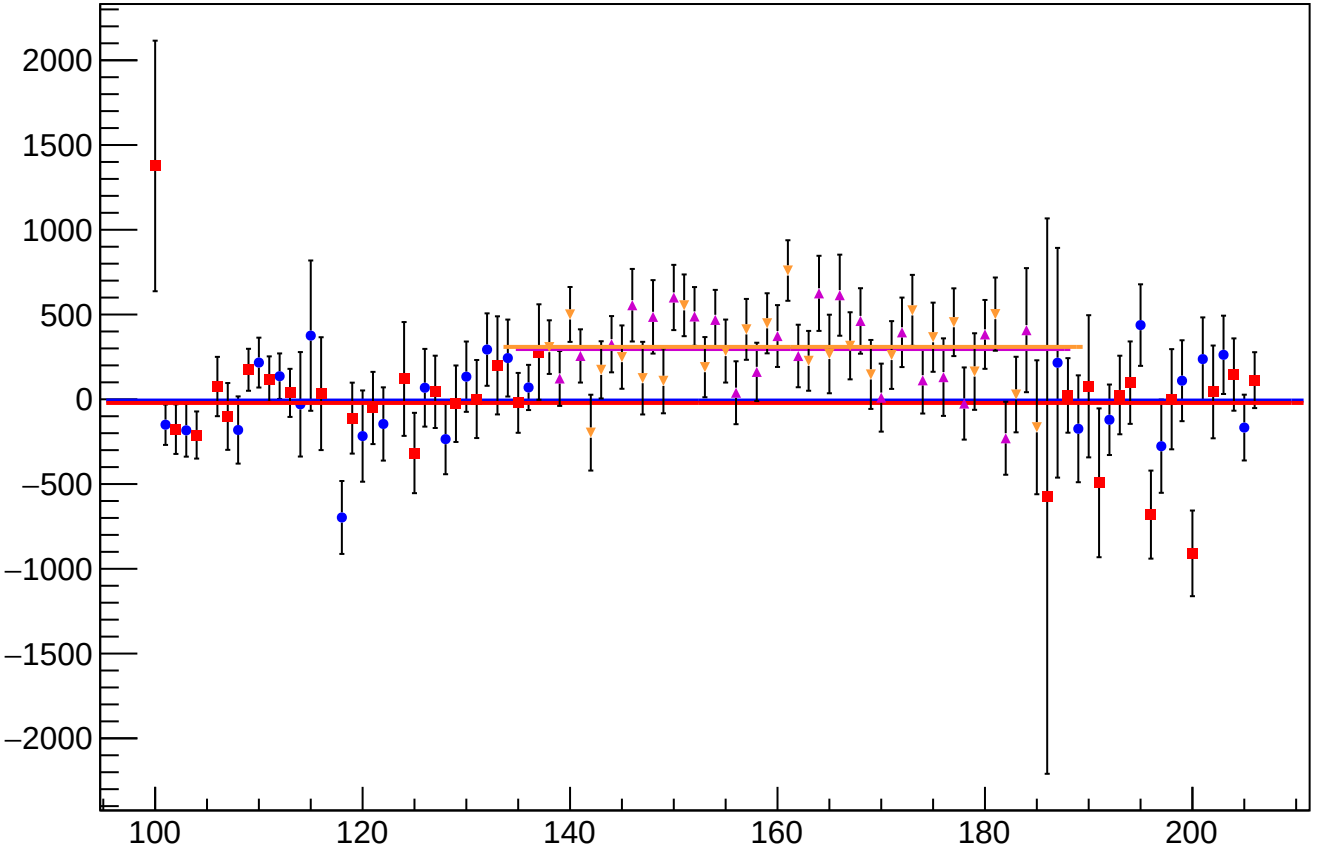
Right: 719.290+/-0.114 χ^2/NDF: 20675669.3/55

In: 864.192+/-0.120 χ^2/NDF:12447076.2/47

Out: 887.252+/-0.117 χ^2/NDF:13564654.1/55

All: 876.012+/-0.084 χ^2/NDF: 26030732.7/10

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -7.443+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -21.545+/-37.569 χ^2/NDF: 36.3/30

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

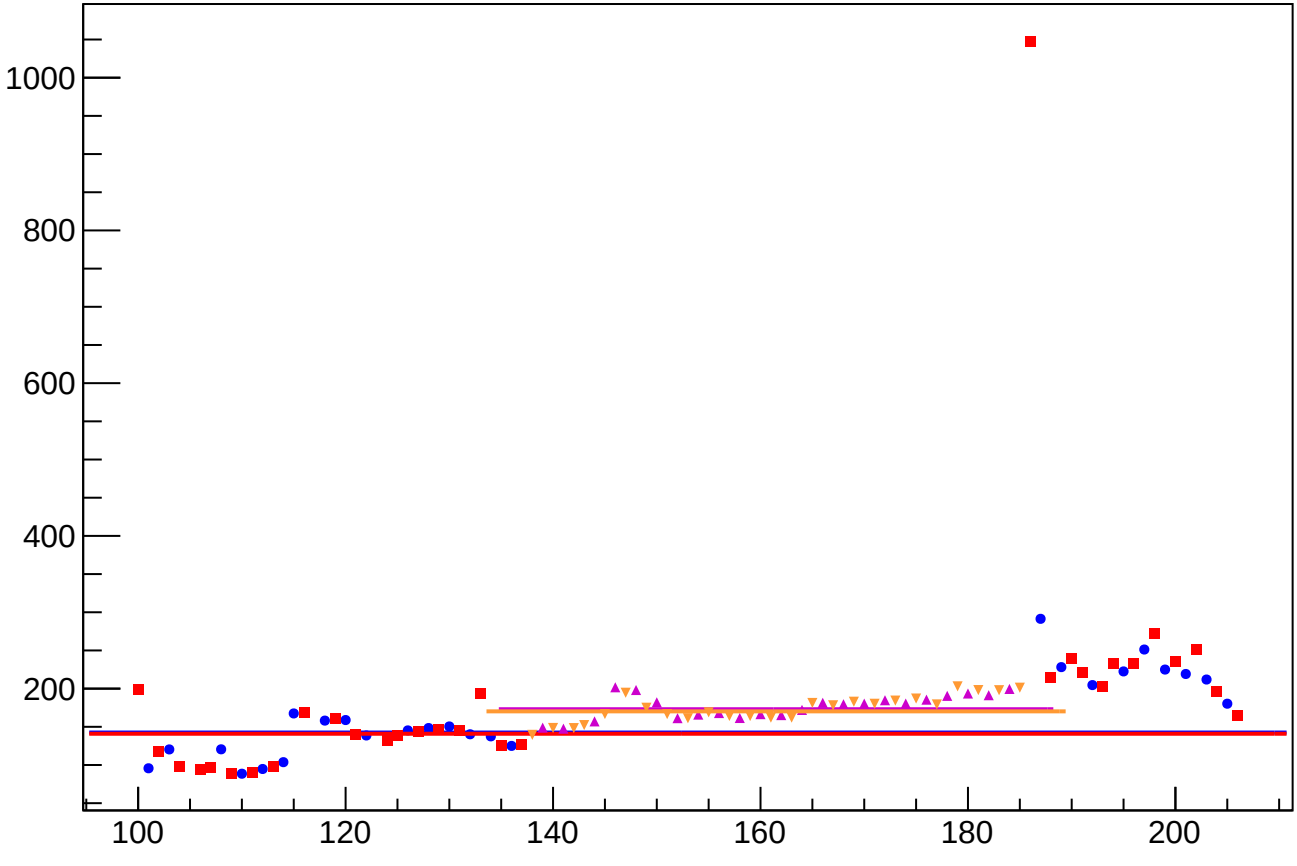
Right: -14.965+/-27.438 χ^2/NDF: 69.0/55

In: 142.883+/-28.557 χ^2/NDF:88.8/47

Out: 137.987+/-27.024 χ^2/NDF:99.3/55

All: 140.300+/-19.628 χ^2/NDF: 188.0/103

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 142.507+/-0.028 χ^2/NDF: 2637690.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330509.4/30

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

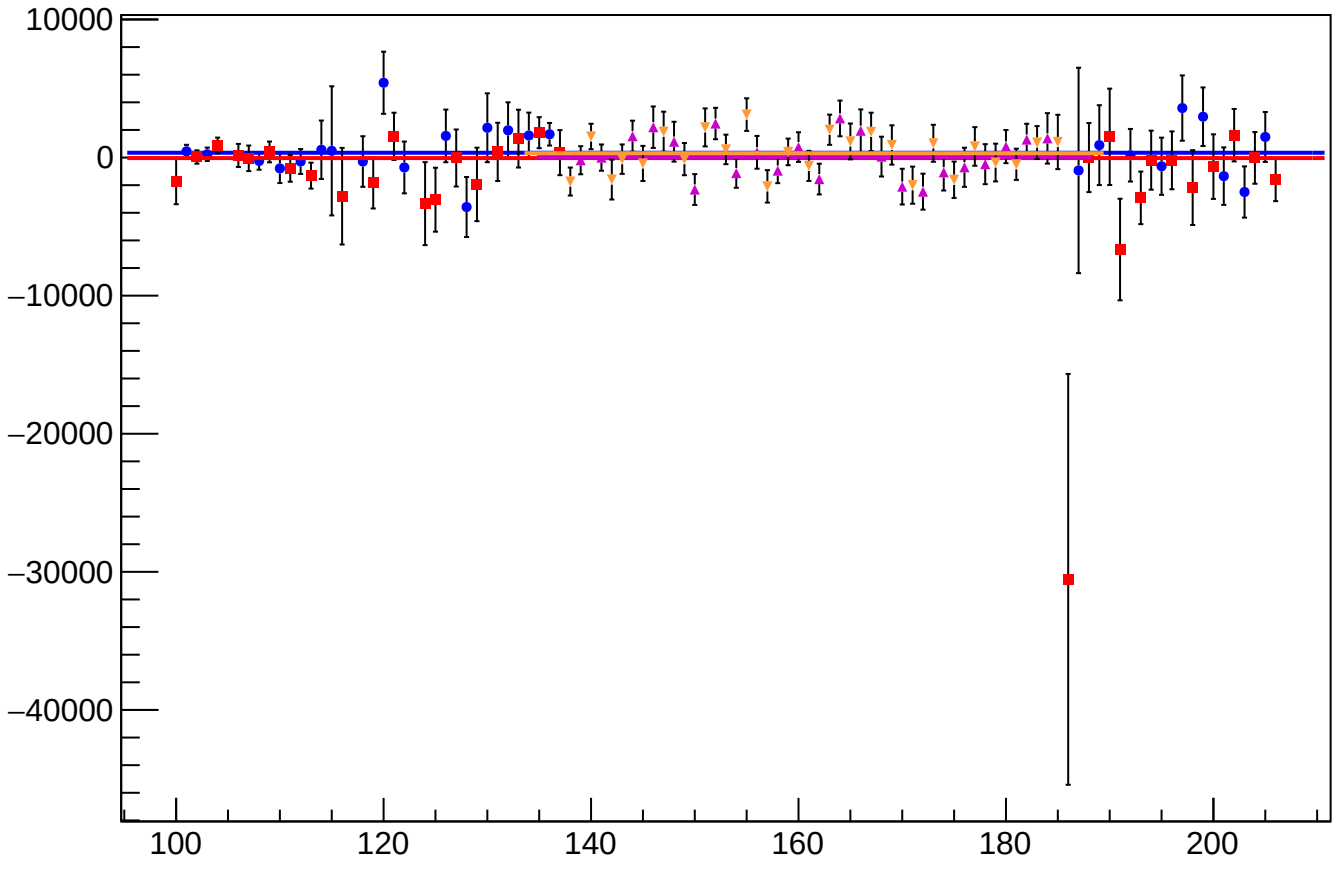
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 141.663+/-0.019 χ^2/NDF: 6969857.6/55

In: 157.600+/-0.020 χ^2/NDF:3502274.4/47

Out: 155.071+/-0.019 χ^2/NDF:5284539.2/55

All: 156.266+/-0.014 χ^2/NDF: 8795087.2/103



Right In: 347.785+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -37.845+/-225.676 χ^2/NDF: 27.9/30

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

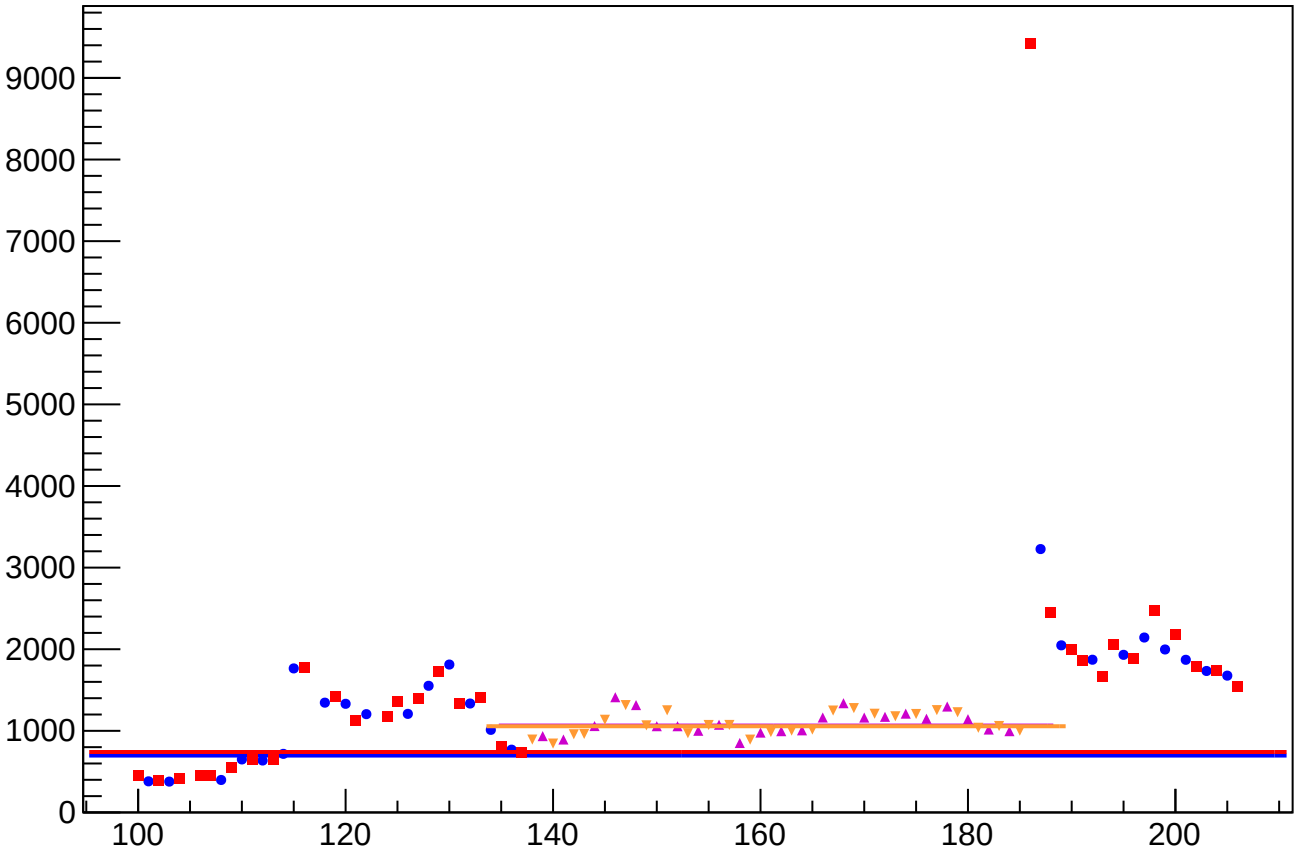
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 151.888+/-160.847 χ^2/NDF: 52.7/55

In: 211.201+/-169.375 χ^2/NDF:58.5/47

Out: 125.354+/-165.174 χ^2/NDF:61.9/55

All: 167.200+/-118.253 χ^2/NDF: 120.6/103



Right In: 697.178+/-0.162 χ^2/NDF: 9501516.3/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 740.704+/-0.160 χ^2/NDF: 11137563.7/30

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

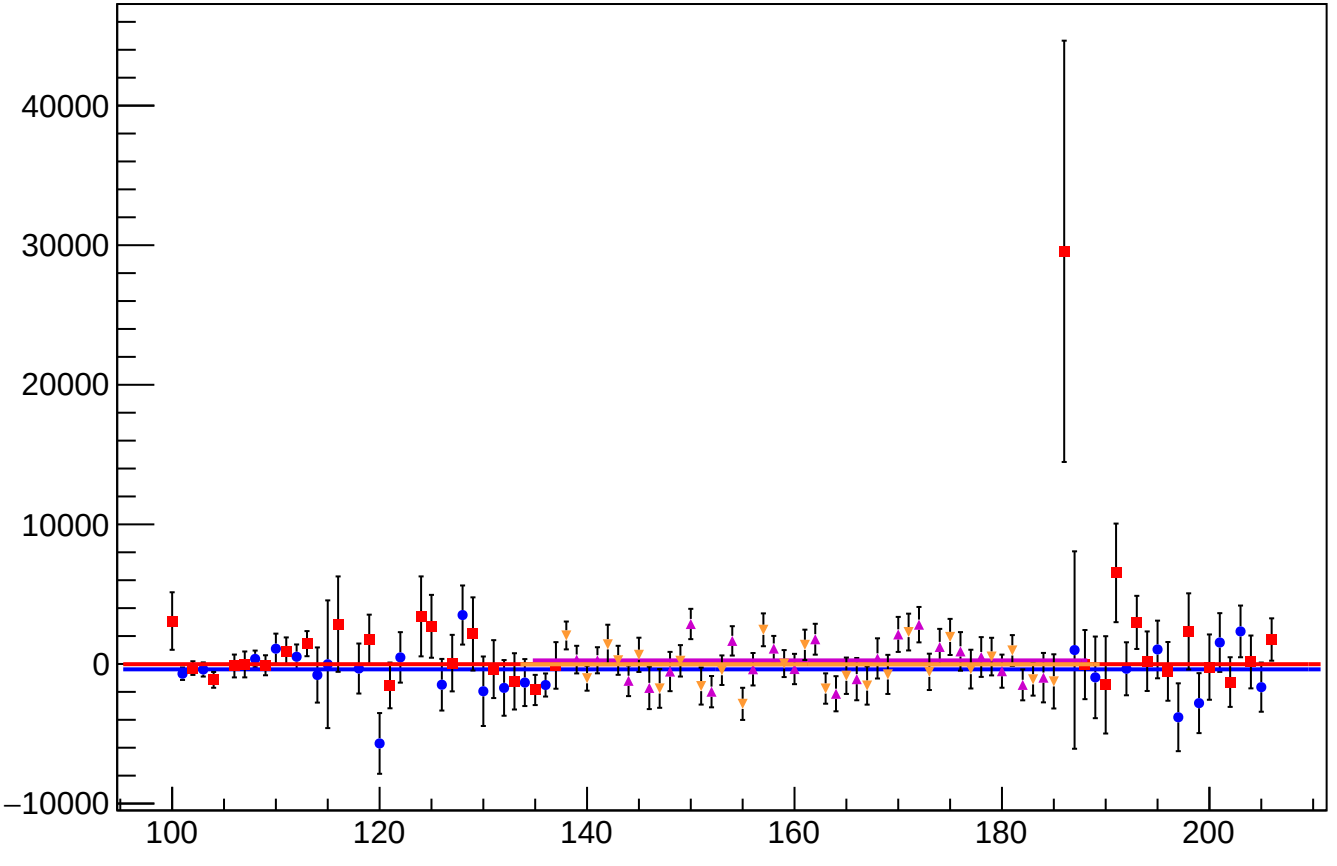
Right: 719.289+/-0.114 χ^2/NDF: 20675684.3/55

In: 864.191+/-0.120 χ^2/NDF:12447103.6/47

Out: 887.252+/-0.117 χ^2/NDF:13564673.9/55

All: 876.011+/-0.084 χ^2/NDF: 26030780.4/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -385.661+/-225.881 χ^2/NDF: 25.3/24

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -16.661+/-223.512 χ^2/NDF: 32.2/30

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

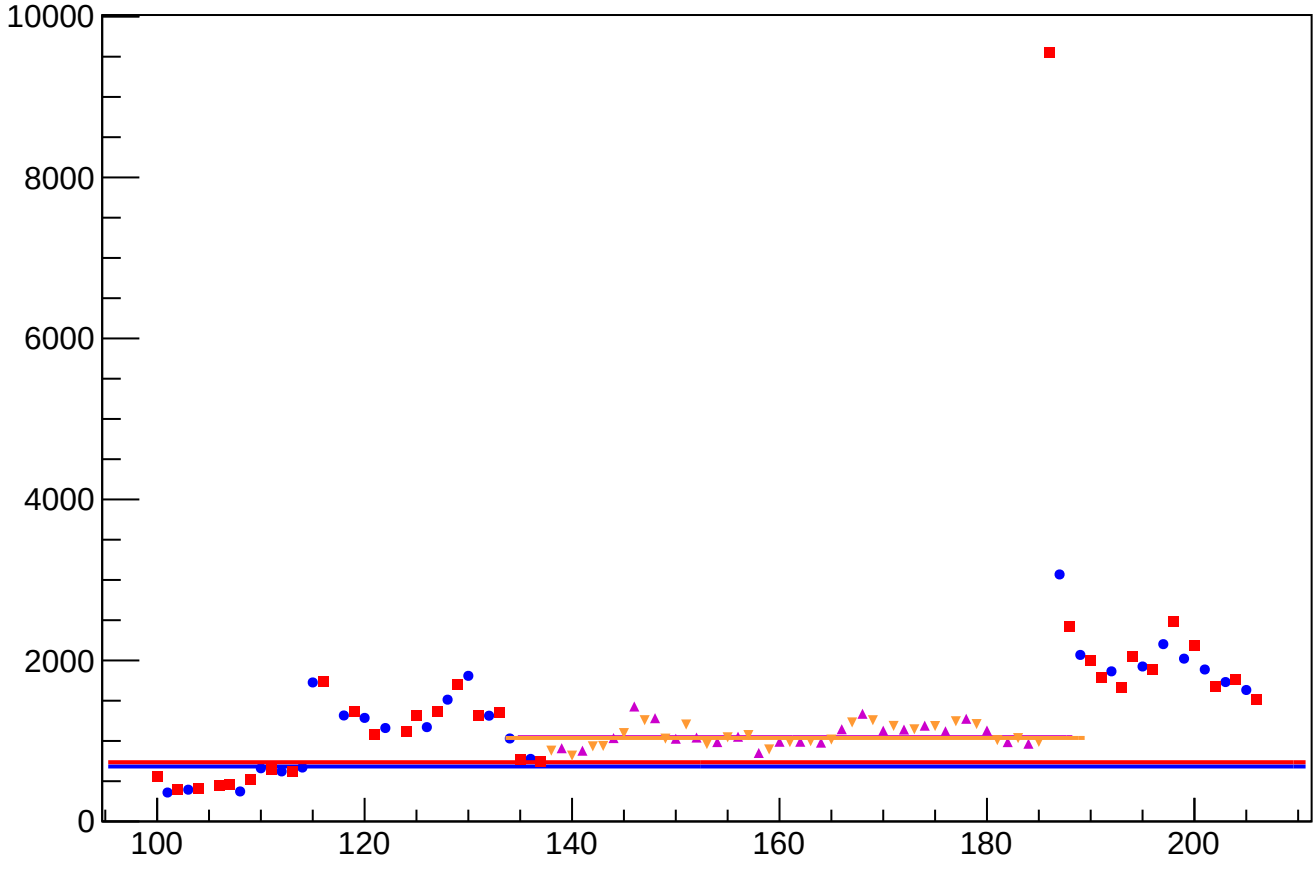
Right: -199.216+/-158.878 χ^2/NDF: 58.9/55

In: -93.965+/-166.751 χ^2/NDF:62.5/47

Out: -19.098+/-162.919 χ^2/NDF:66.7/55

All: -55.661+/-116.532 χ^2/NDF: 129.3/103

asym_sam6_rms vs Slug, Sign Corrected



Right In: 682.833+/-0.160 χ^2/NDF: 9673591.5/24

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 735.943+/-0.158 χ^2/NDF: 10976956.7/30

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

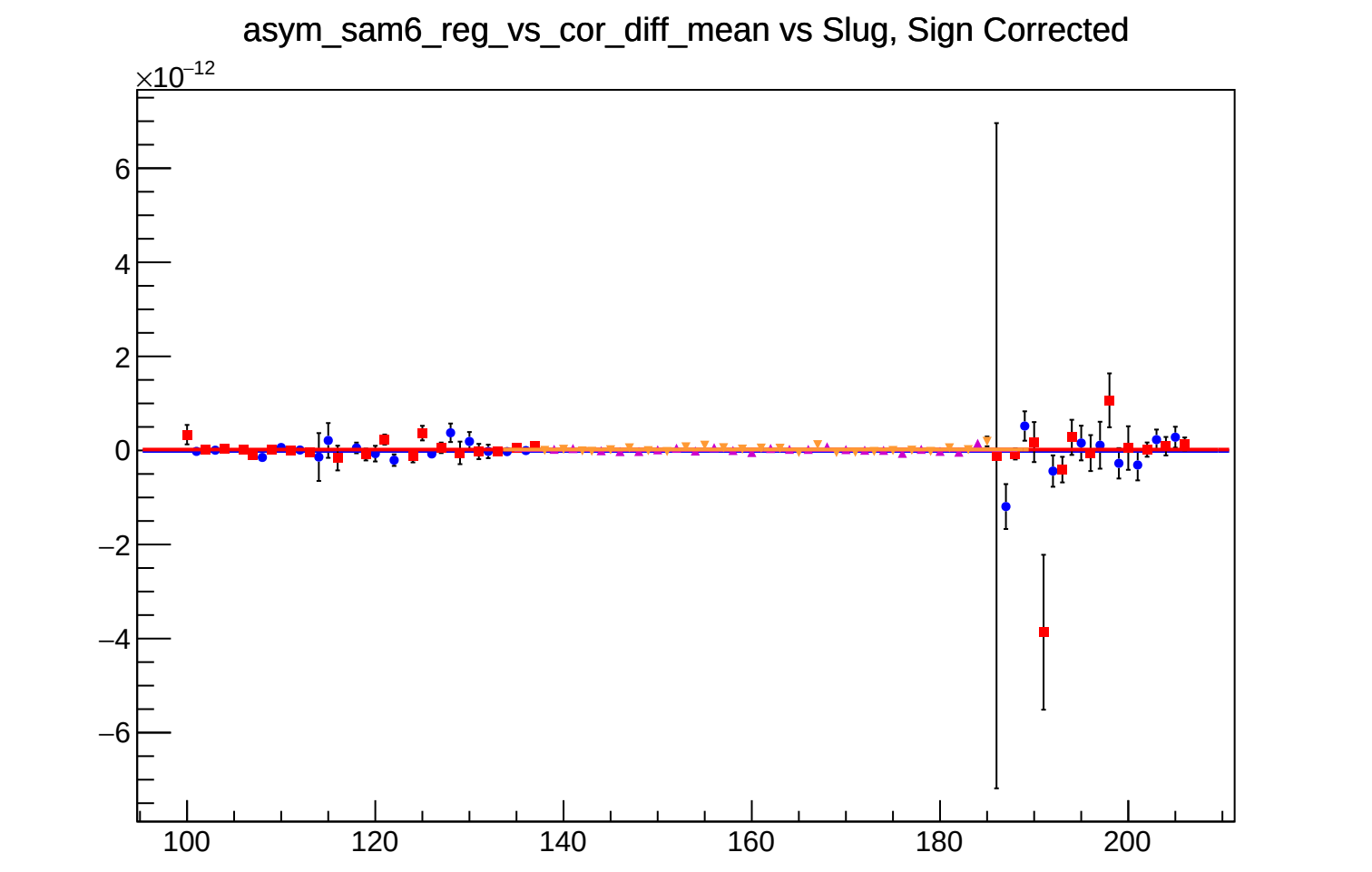
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 709.668+/-0.112 χ^2/NDF: 20706414.5/55

In: 848.823+/-0.118 χ^2/NDF:12660522.9/47

Out: 877.200+/-0.115 χ^2/NDF:13266789.9/55

All: 863.341+/-0.082 χ^2/NDF: 25956945.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/30

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

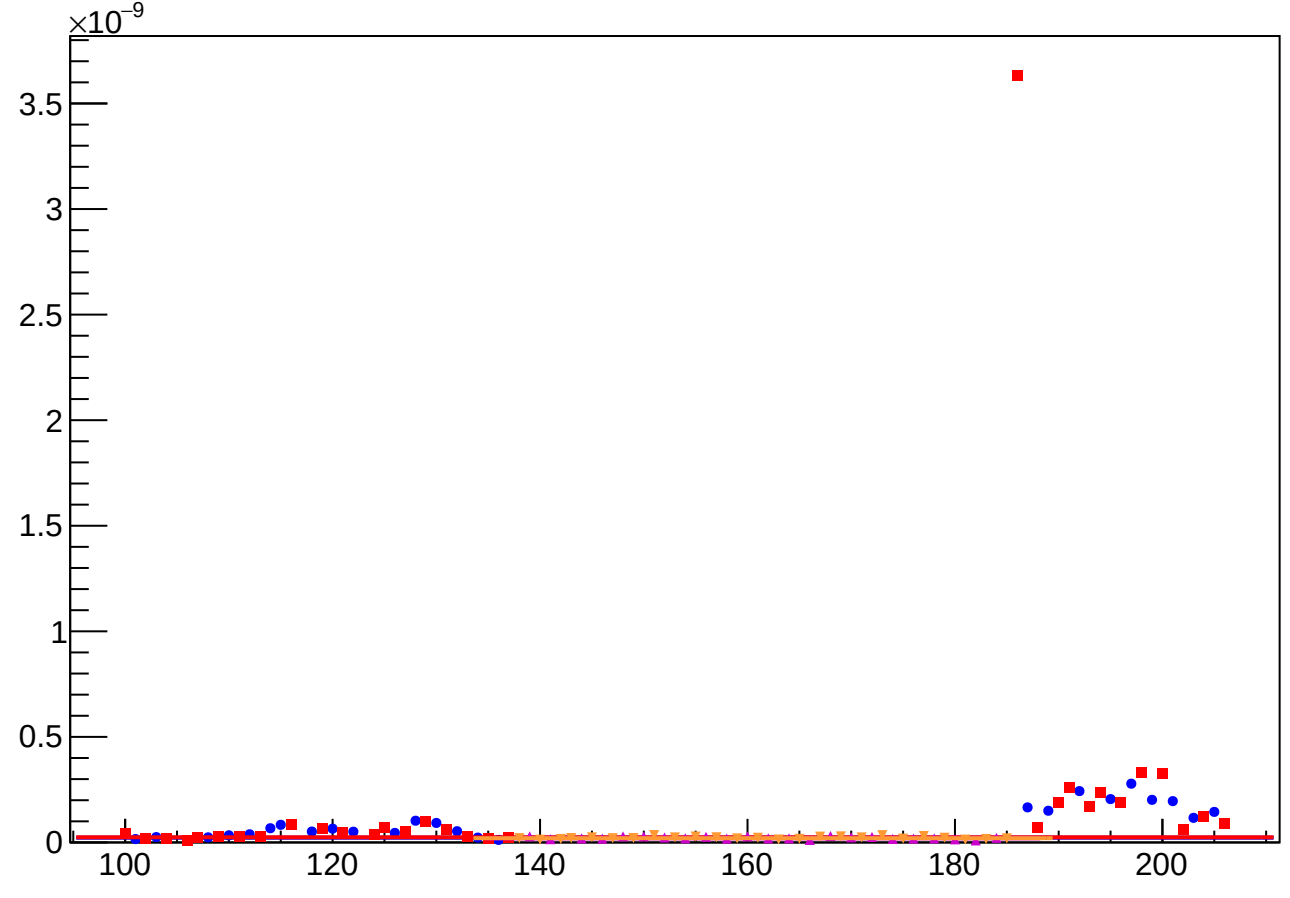
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 67.6/55

In: 0.000+/-0.000 χ^2/NDF:51.5/47

Out: 0.000+/-0.000 χ^2/NDF:63.4/55

All: 0.000+/-0.000 χ^2/NDF: 118.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6638472.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7244967.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

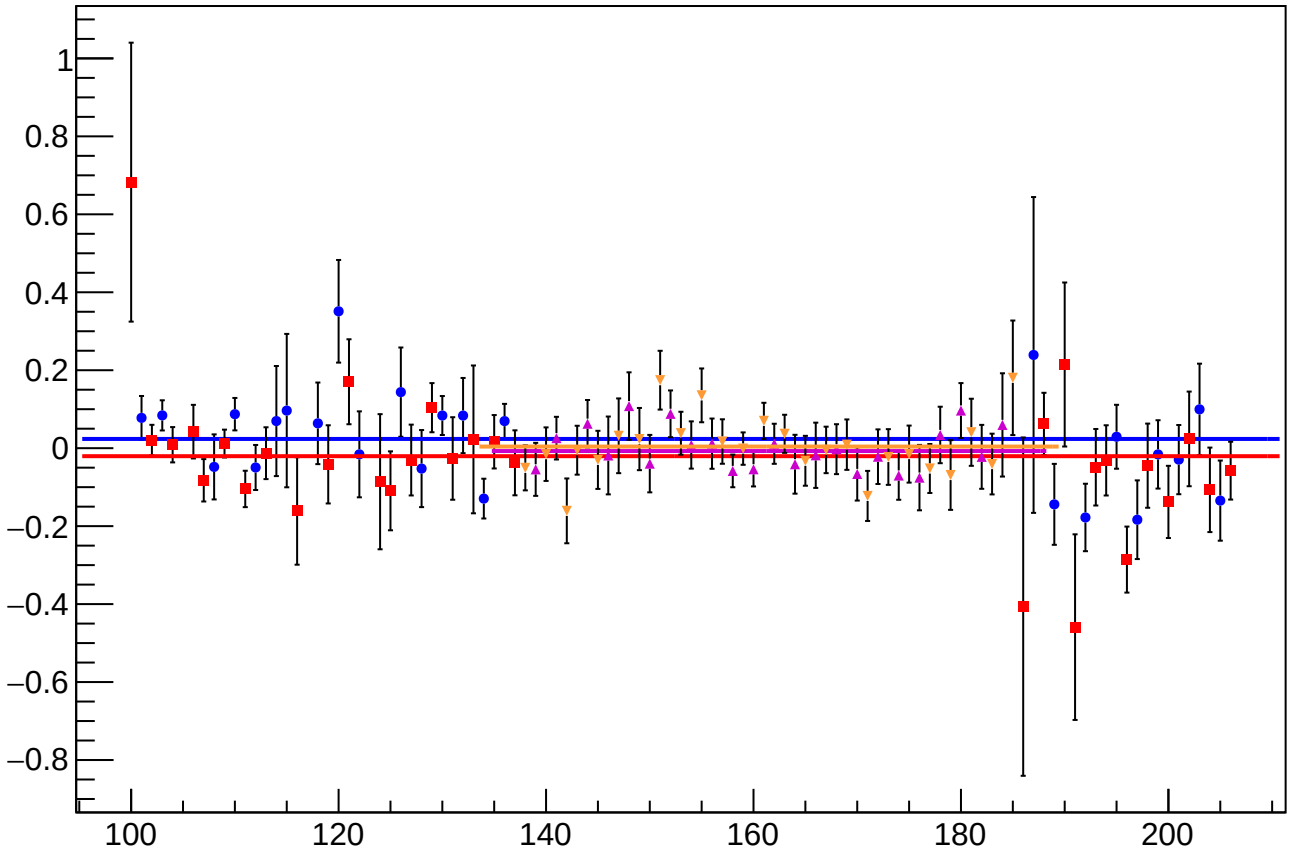
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13902043.9/55

In: 0.000+/-0.000 χ^2/NDF:7790869.9/47

Out: 0.000+/-0.000 χ^2/NDF:8387006.5/55

All: 0.000+/-0.000 χ^2/NDF: 16204398.5/103



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

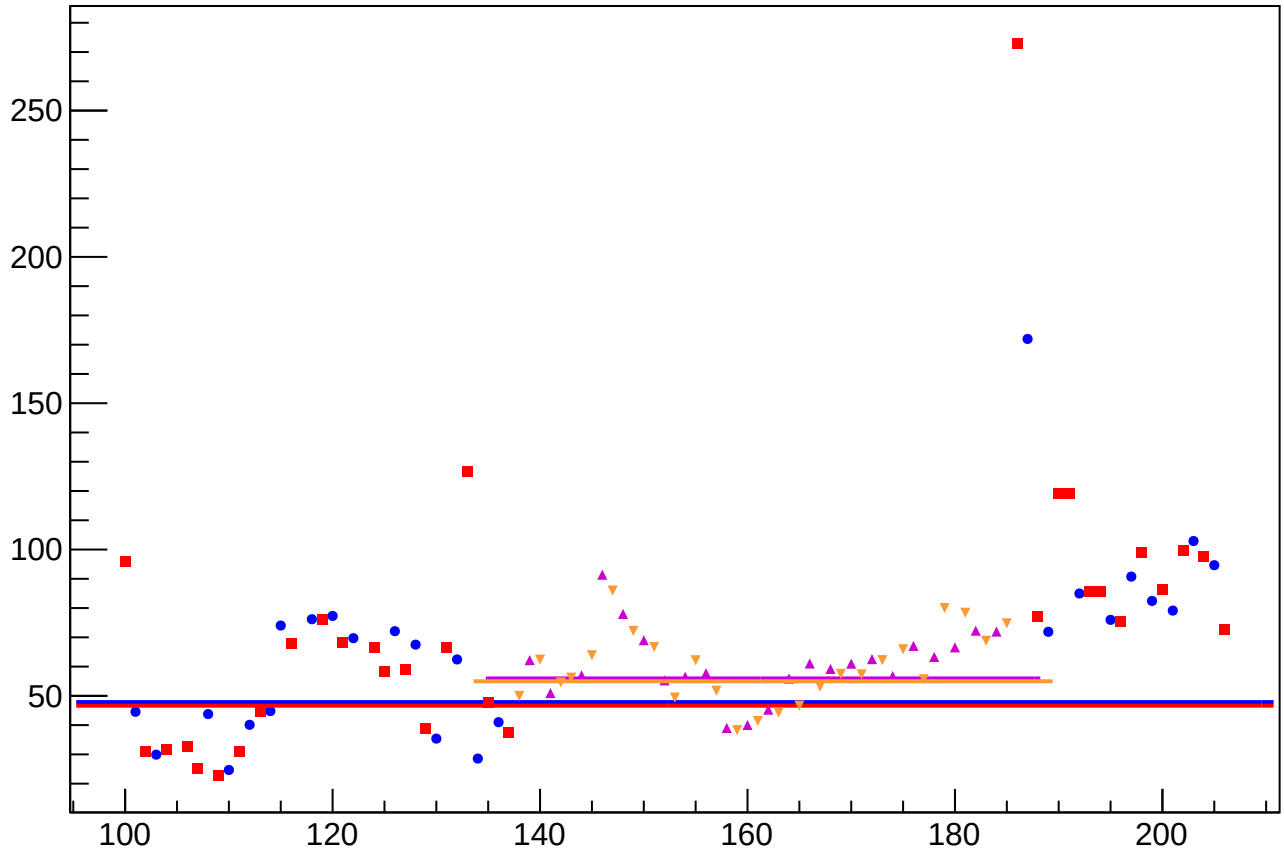
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/55

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/103



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

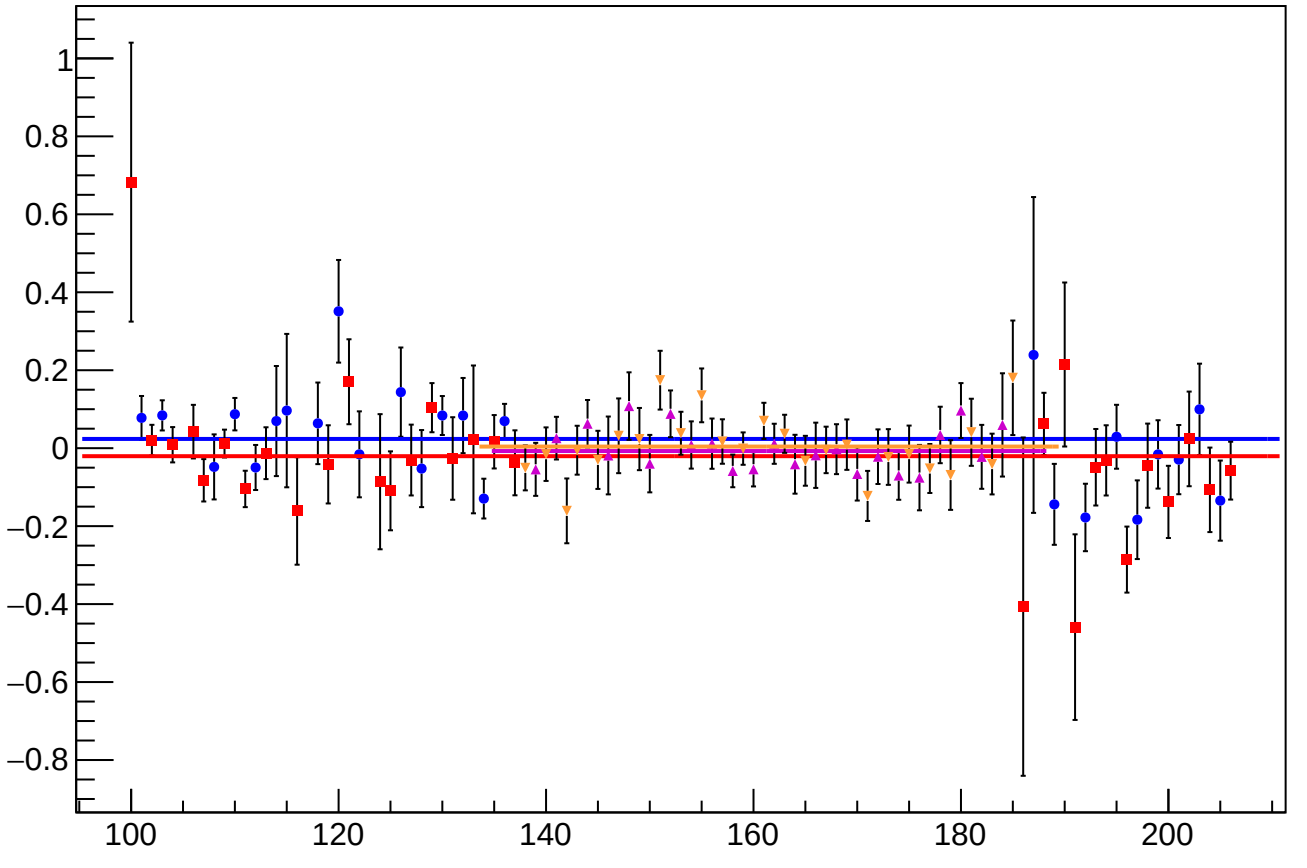
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.213+/-0.007 χ^2/NDF: 11863762.4/55

In: 52.176+/-0.007 χ^2/NDF:6547802.3/47

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.549+/-0.005 χ^2/NDF: 15576770.2/103



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

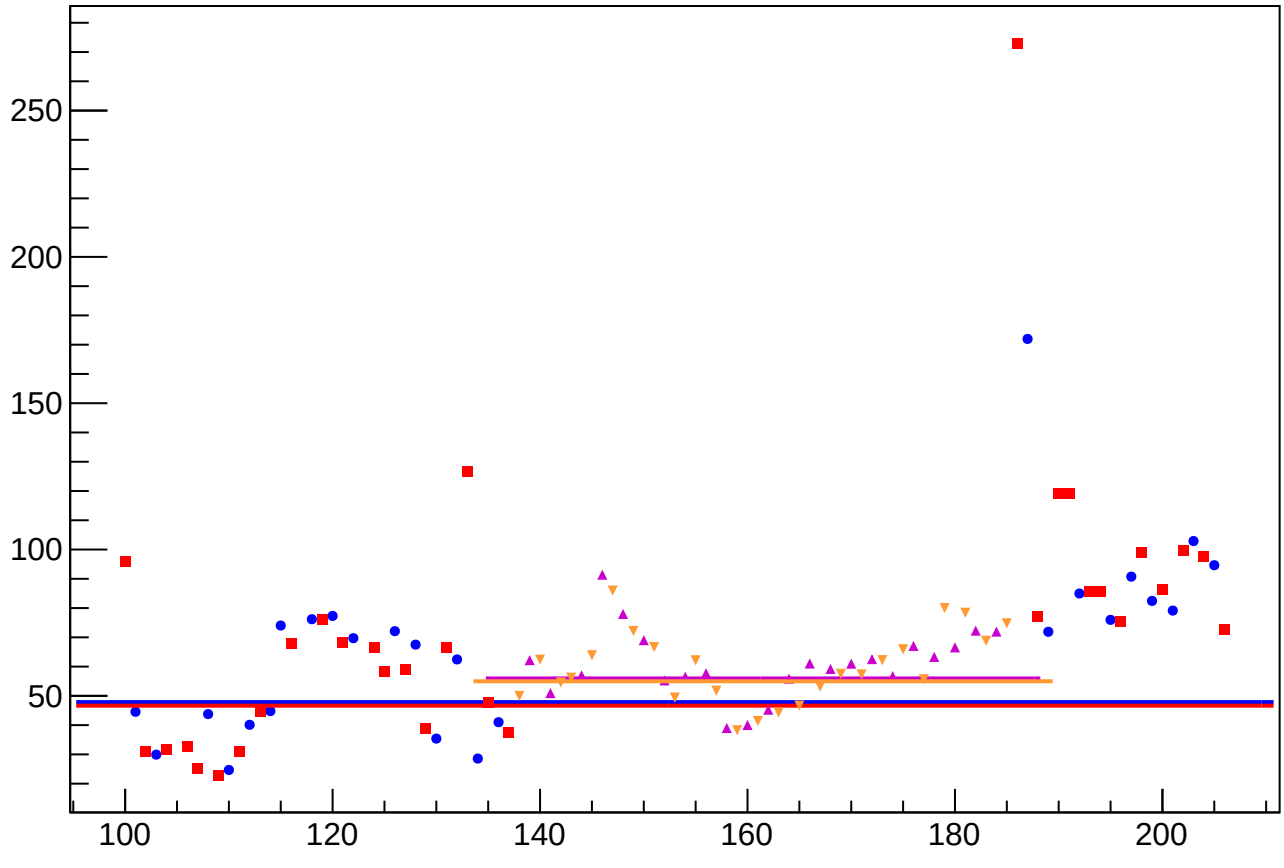
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/55

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/103



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

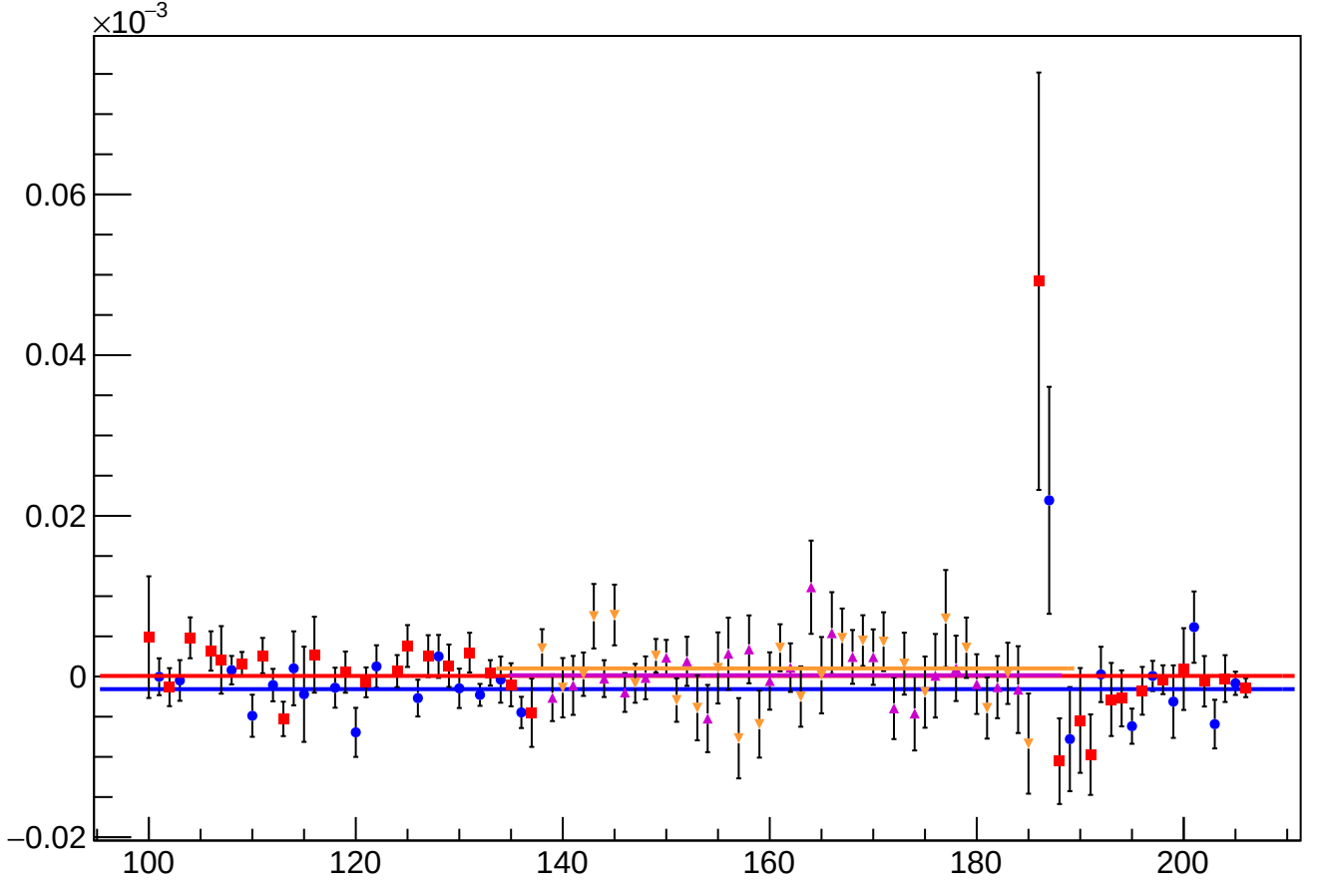
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.213+/-0.007 χ^2/NDF: 11863762.4/55

In: 52.176+/-0.007 χ^2/NDF:6547802.3/47

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.549+/-0.005 χ^2/NDF: 15576770.2/103



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/30

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

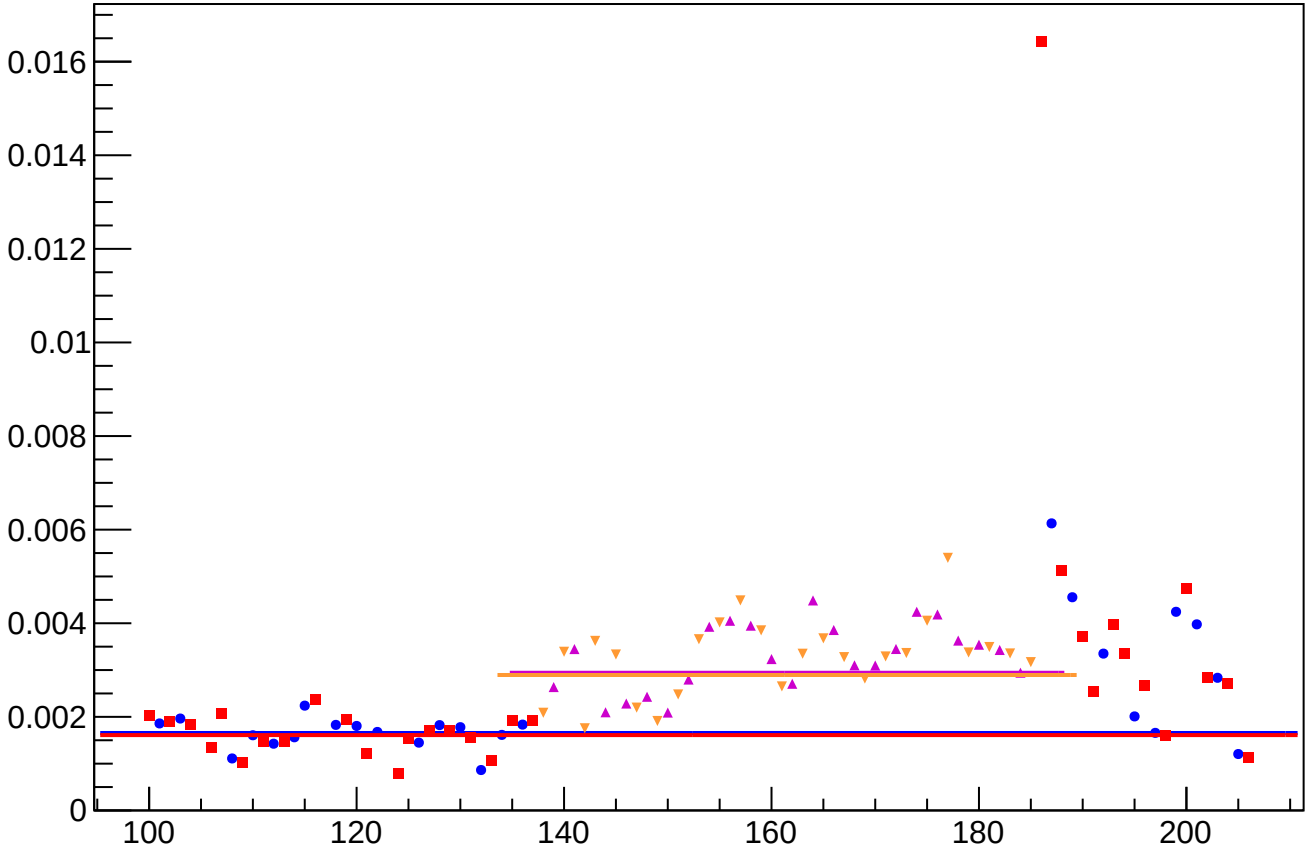
Right: -0.000+/-0.000 χ^2/NDF: 71.2/55

In: -0.000+/-0.000 χ^2/NDF:46.6/47

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: -0.000+/-0.000 χ^2/NDF: 119.1/103

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3855200.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6002378.6/30

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

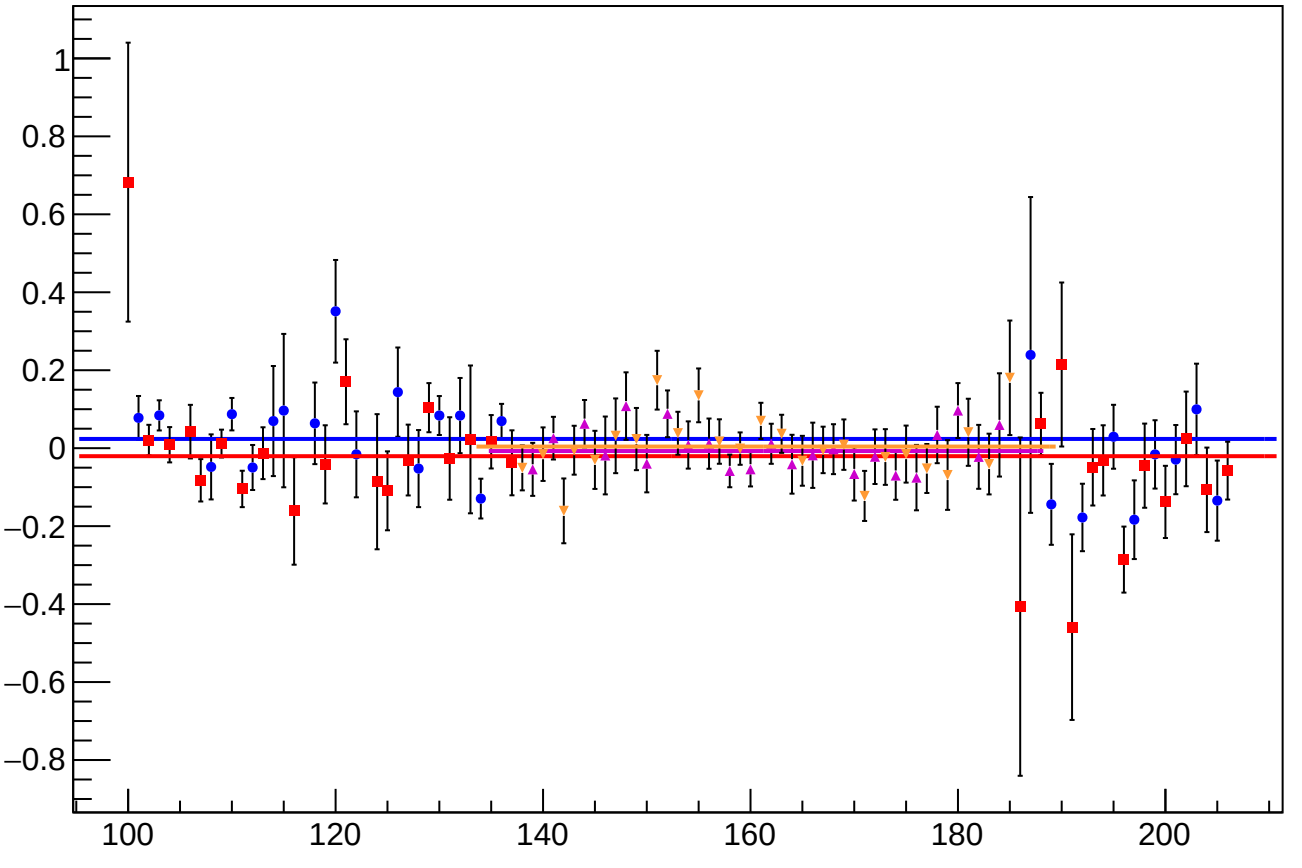
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 9866953.3/55

In: 0.002+/-0.000 χ^2/NDF:10225260.8/47

Out: 0.002+/-0.000 χ^2/NDF:13566761.1/55

All: 0.002+/-0.000 χ^2/NDF: 23826860.9/103



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

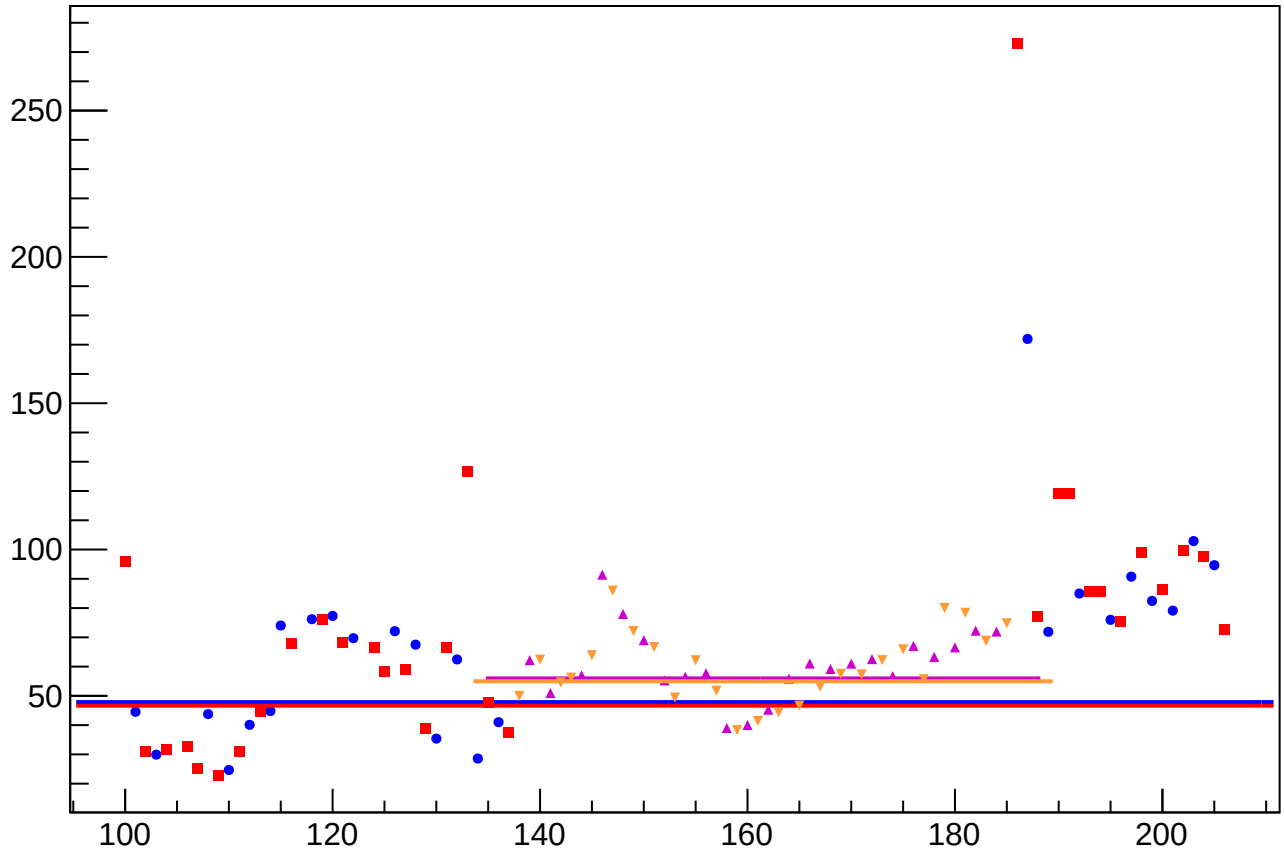
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/55

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/103



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

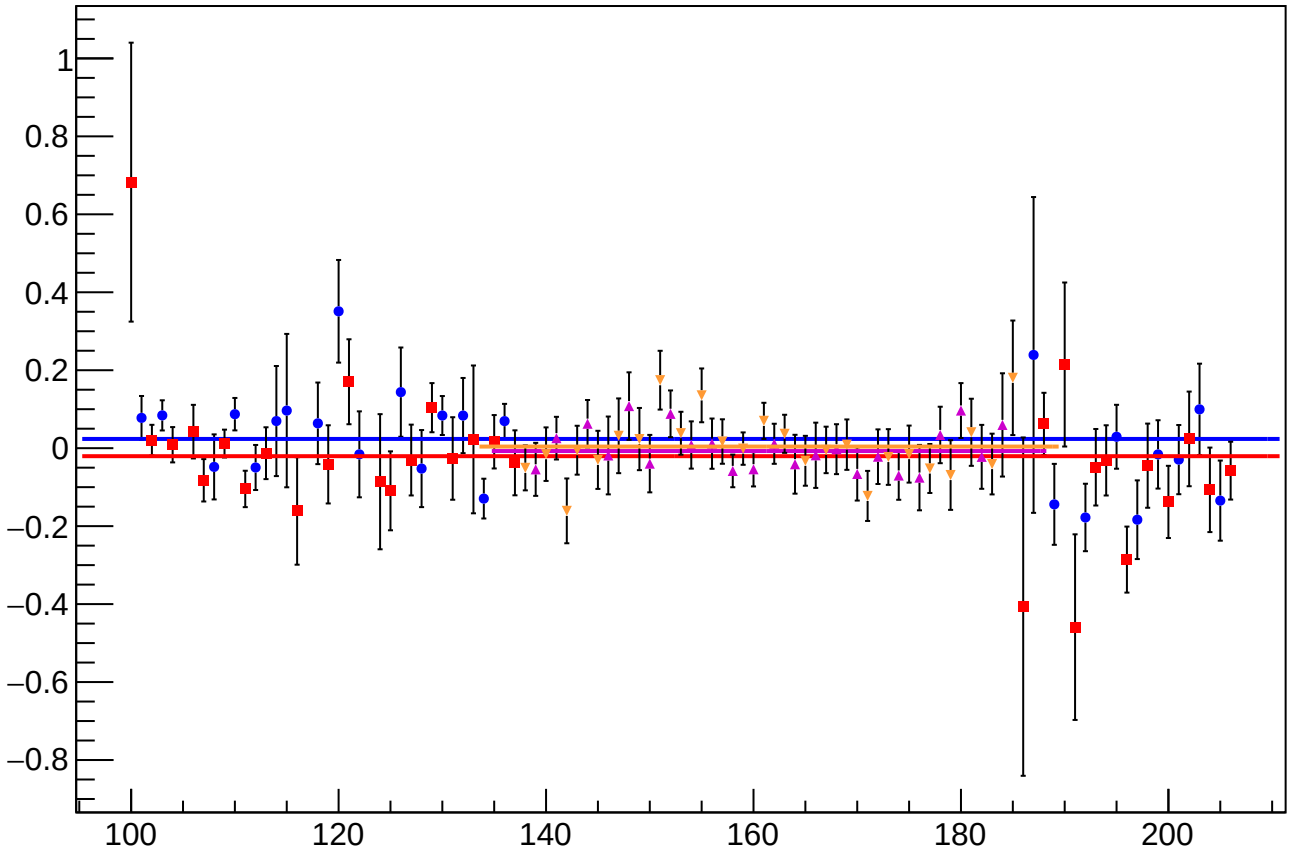
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 47.213+/-0.007 χ^2/NDF: 11863886.1/55

In: 52.175+/-0.007 χ^2/NDF:6548048.3/47

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.549+/-0.005 χ^2/NDF: 15577088.4/103



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

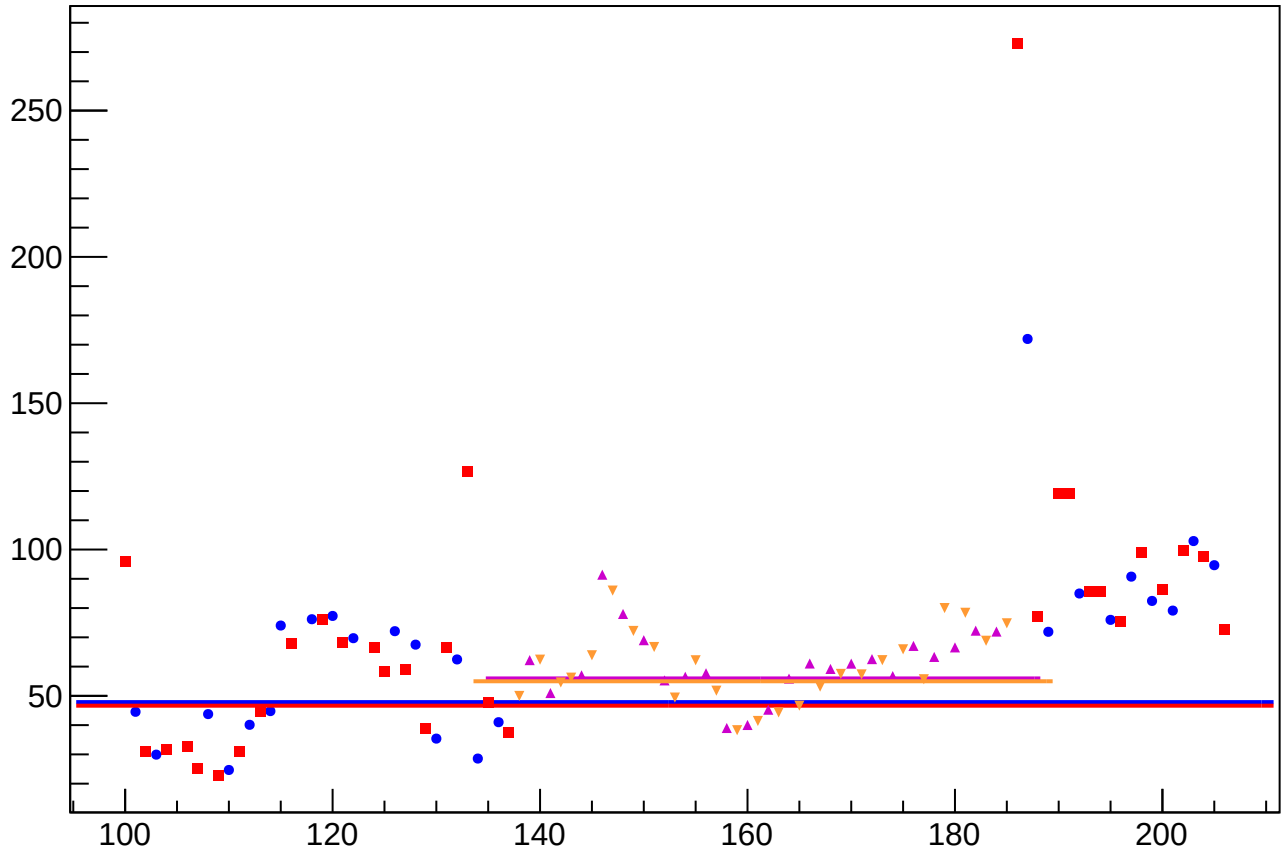
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/55

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/103



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

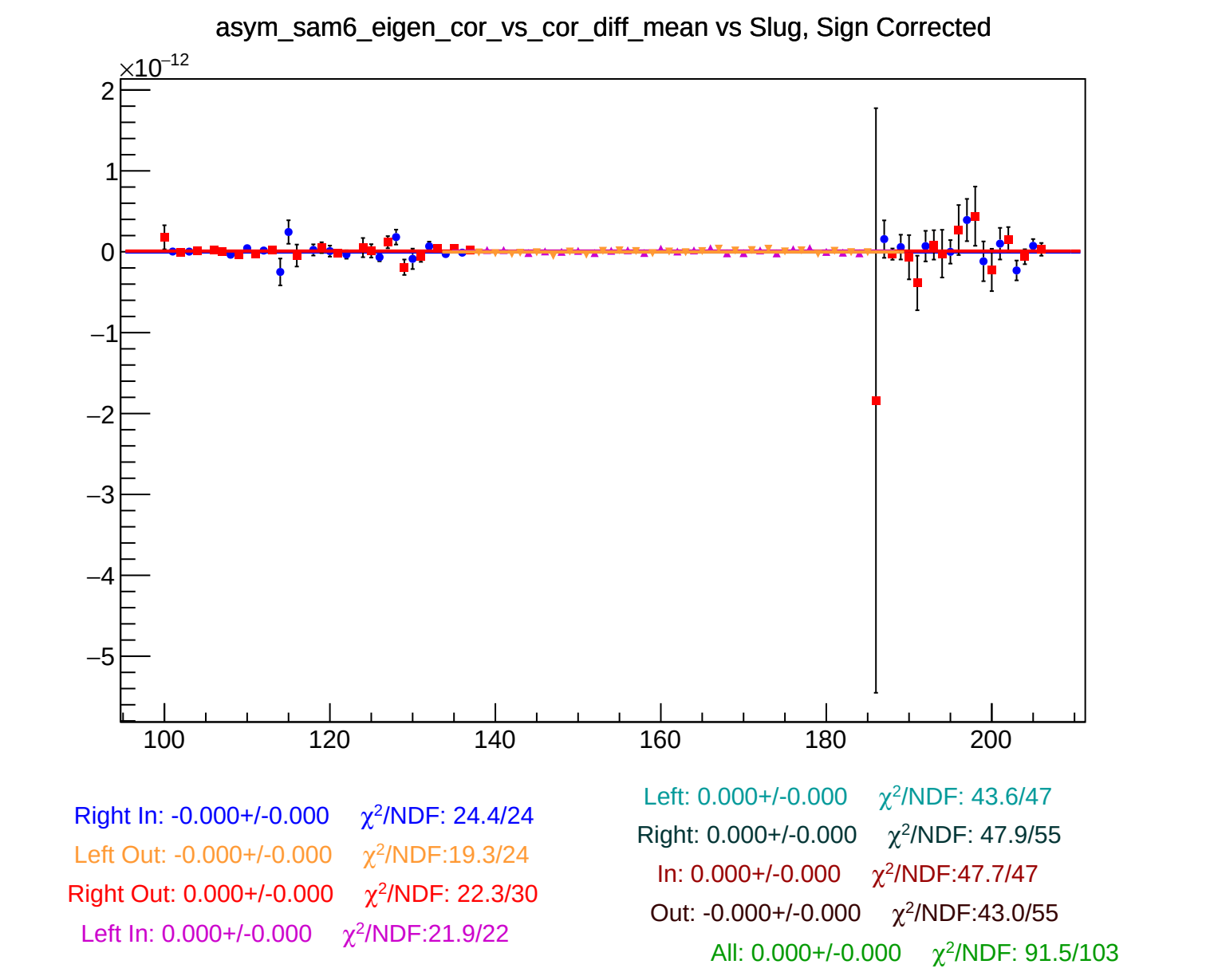
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

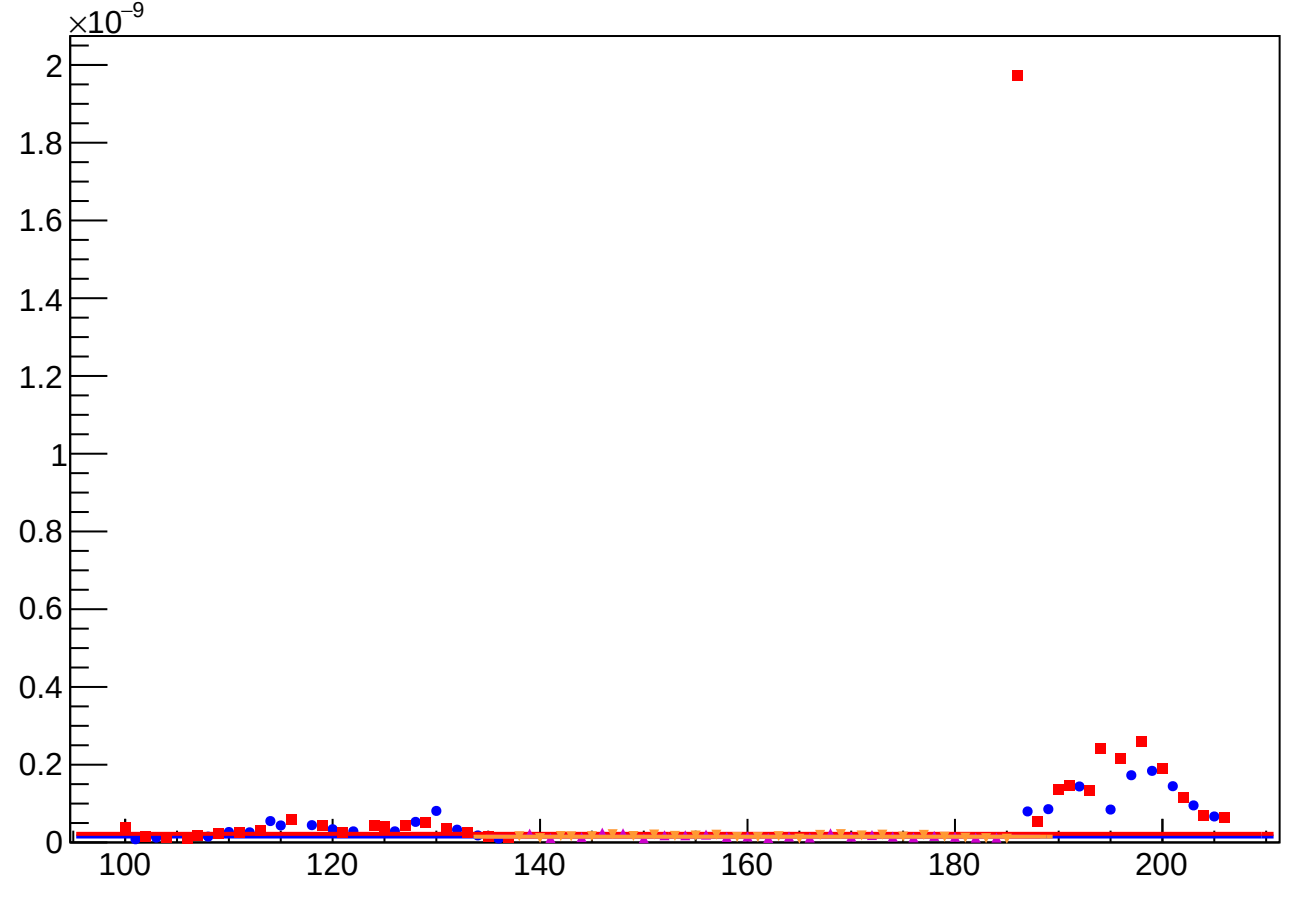
Right: 47.213+/-0.007 χ^2/NDF: 11863886.1/55

In: 52.175+/-0.007 χ^2/NDF:6548048.3/47

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.549+/-0.005 χ^2/NDF: 15577088.4/103


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.4/24
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/30
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 47.9/55
In: 0.000+/-0.000 χ²/NDF:47.7/47
Out: -0.000+/-0.000 χ²/NDF:43.0/55
All: 0.000+/-0.000 χ²/NDF: 91.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 9408167.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10091213.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

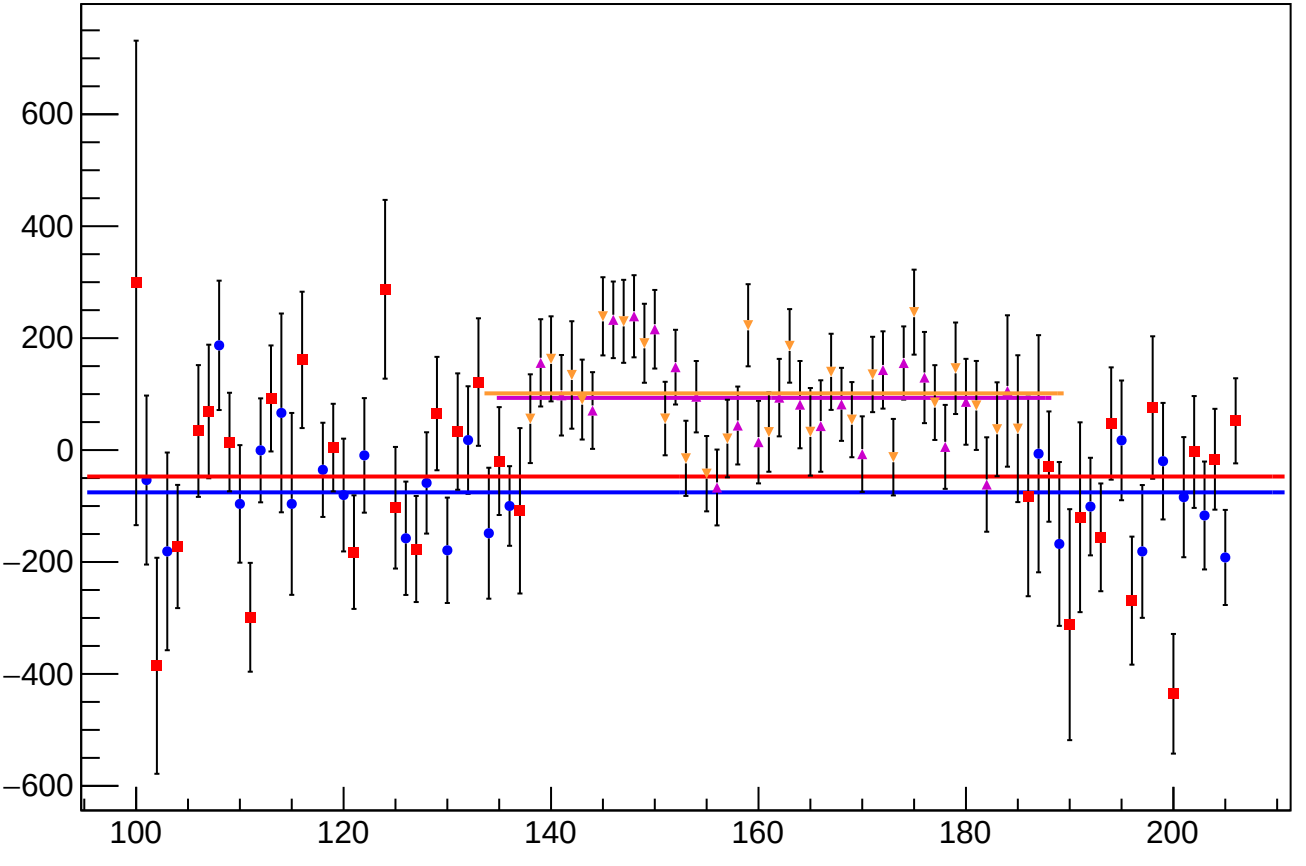
Right: 0.000+/-0.000 χ^2/NDF: 20232852.6/55

In: 0.000+/-0.000 χ^2/NDF:10838408.9/47

Out: 0.000+/-0.000 χ^2/NDF:12637411.9/55

All: 0.000+/-0.000 χ^2/NDF: 23555586.3/103

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.550+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.253+/-19.580 χ^2/NDF: 55.7/30

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

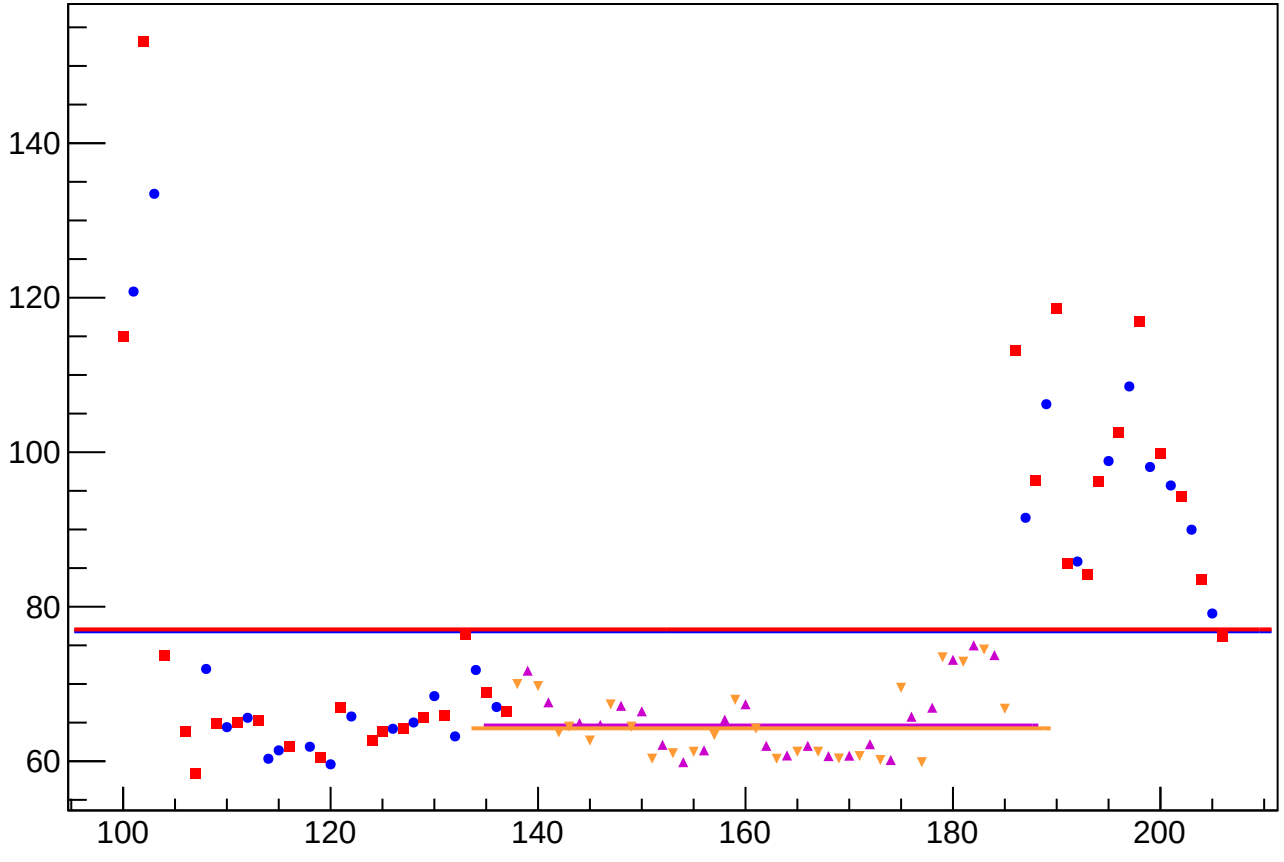
Right: -60.381+/-14.336 χ^2/NDF: 72.0/55

In: 35.697+/-12.289 χ^2/NDF:86.6/47

Out: 48.037+/-11.726 χ^2/NDF:126.5/55

All: 42.156+/-8.483 χ^2/NDF: 213.6/103

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.821+/-0.015 χ^2/NDF: 1301659.6/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.064+/-0.014 χ^2/NDF: 1582167.4/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

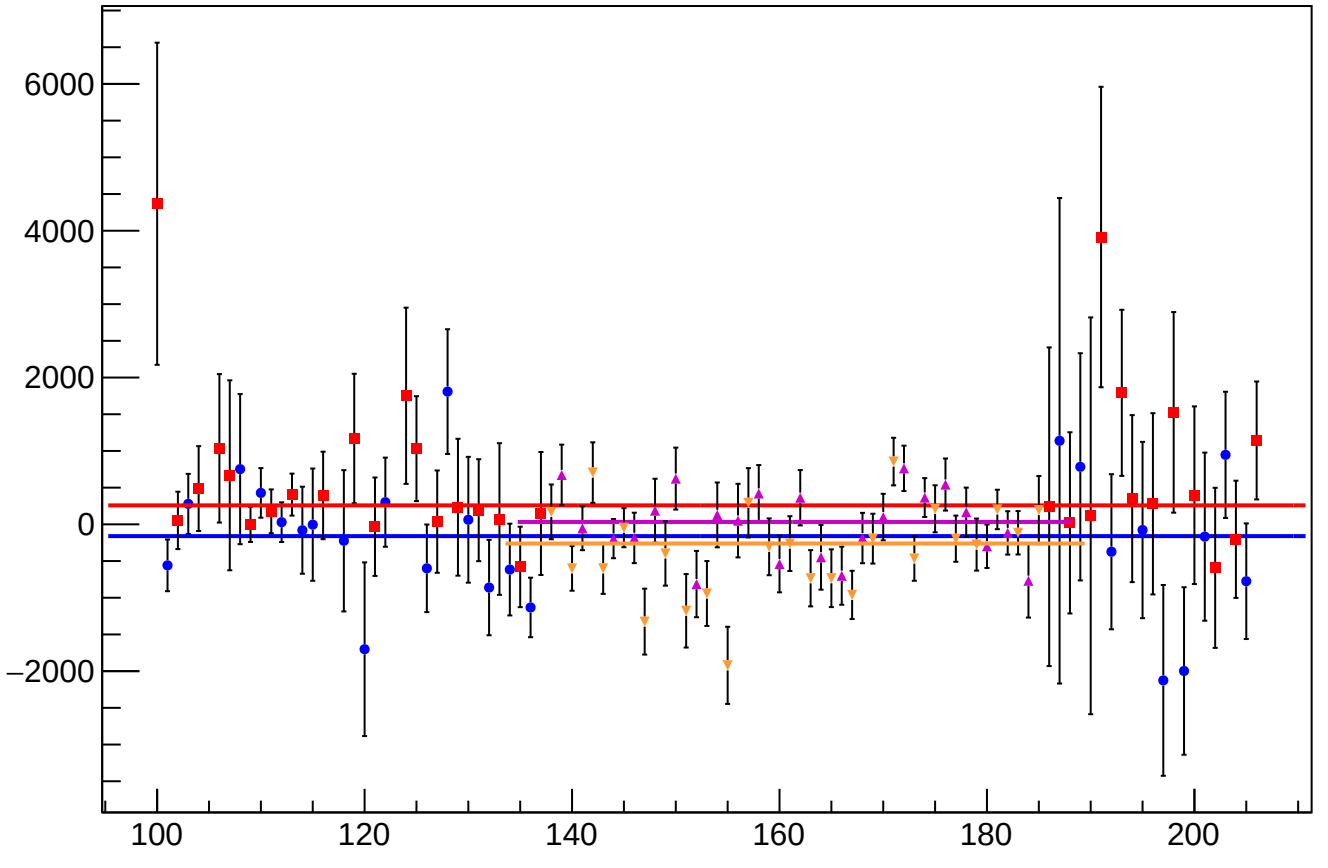
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.951+/-0.010 χ^2/NDF: 2883970.2/55

In: 68.780+/-0.009 χ^2/NDF:1891725.5/47

Out: 68.849+/-0.008 χ^2/NDF:2308759.5/55

All: 68.816+/-0.006 χ^2/NDF: 4200518.3/103



Right In: -160.412+/-119.292 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 258.487+/-111.306 χ^2/NDF: 20.7/30

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

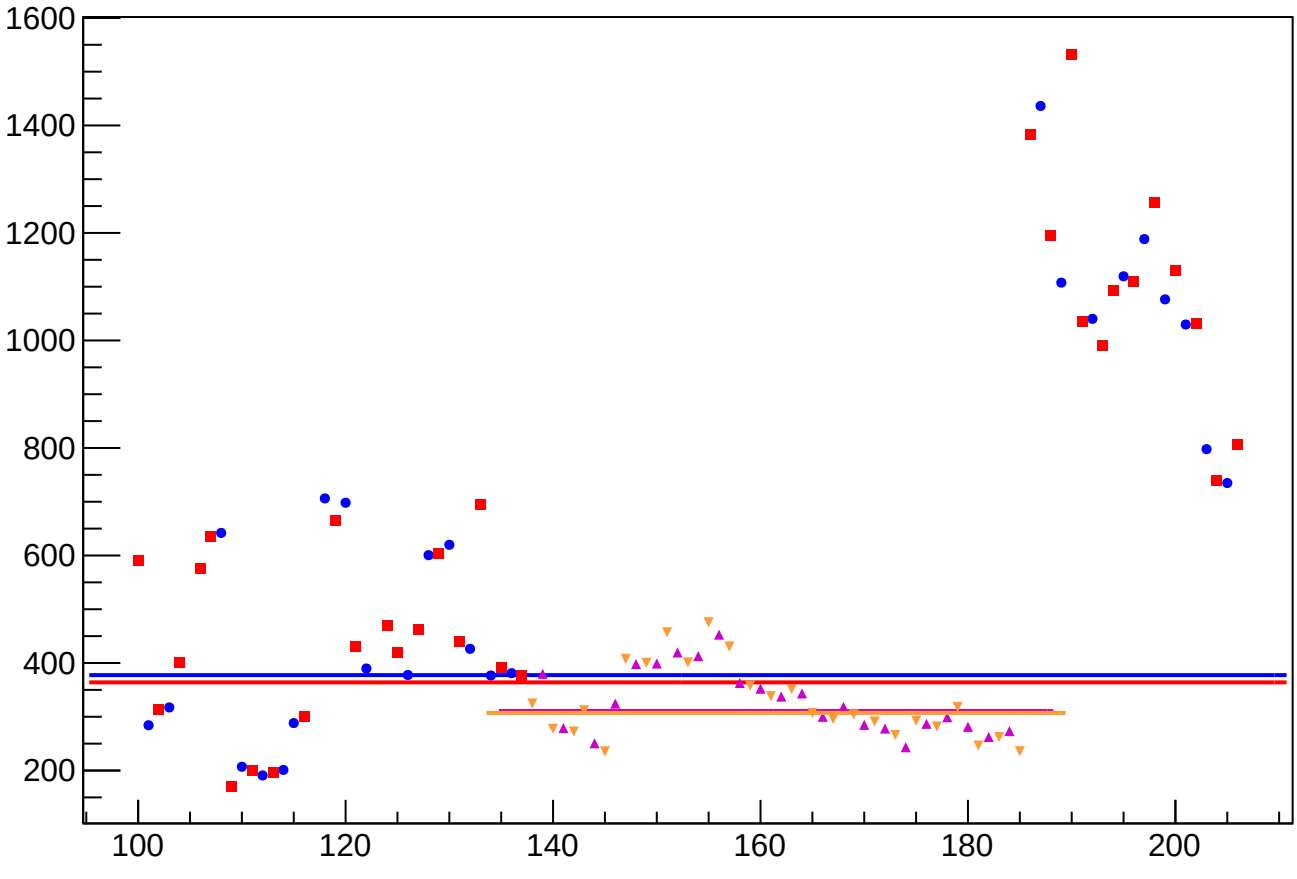
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 63.528+/-81.382 χ^2/NDF: 57.6/55

In: -20.991+/-62.784 χ^2/NDF:63.8/47

Out: -110.038+/-60.019 χ^2/NDF:95.0/55

All: -67.518+/-43.384 χ^2/NDF: 159.9/103



Right In: 377.472+/-0.084 χ^2/NDF: 7943157.6/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 363.968+/-0.079 χ^2/NDF: 11096924.6/30

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

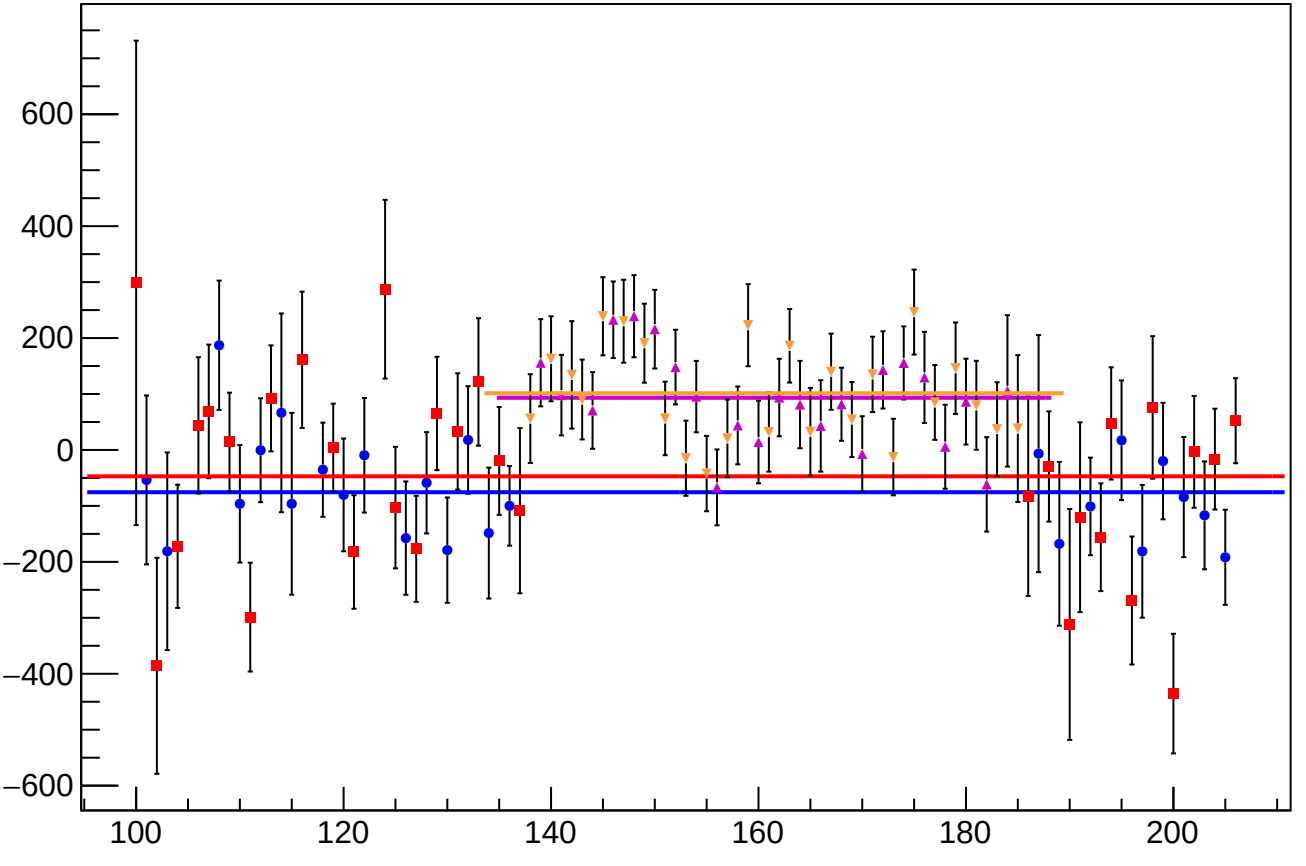
Right: 370.253+/-0.058 χ^2/NDF: 19053783.5/55

In: 329.194+/-0.044 χ^2/NDF:9475715.2/47

Out: 323.666+/-0.042 χ^2/NDF:12786787.9/55

All: 326.306+/-0.031 χ^2/NDF: 22270603.2/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.143+/-19.597 χ^2/NDF: 55.8/30

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

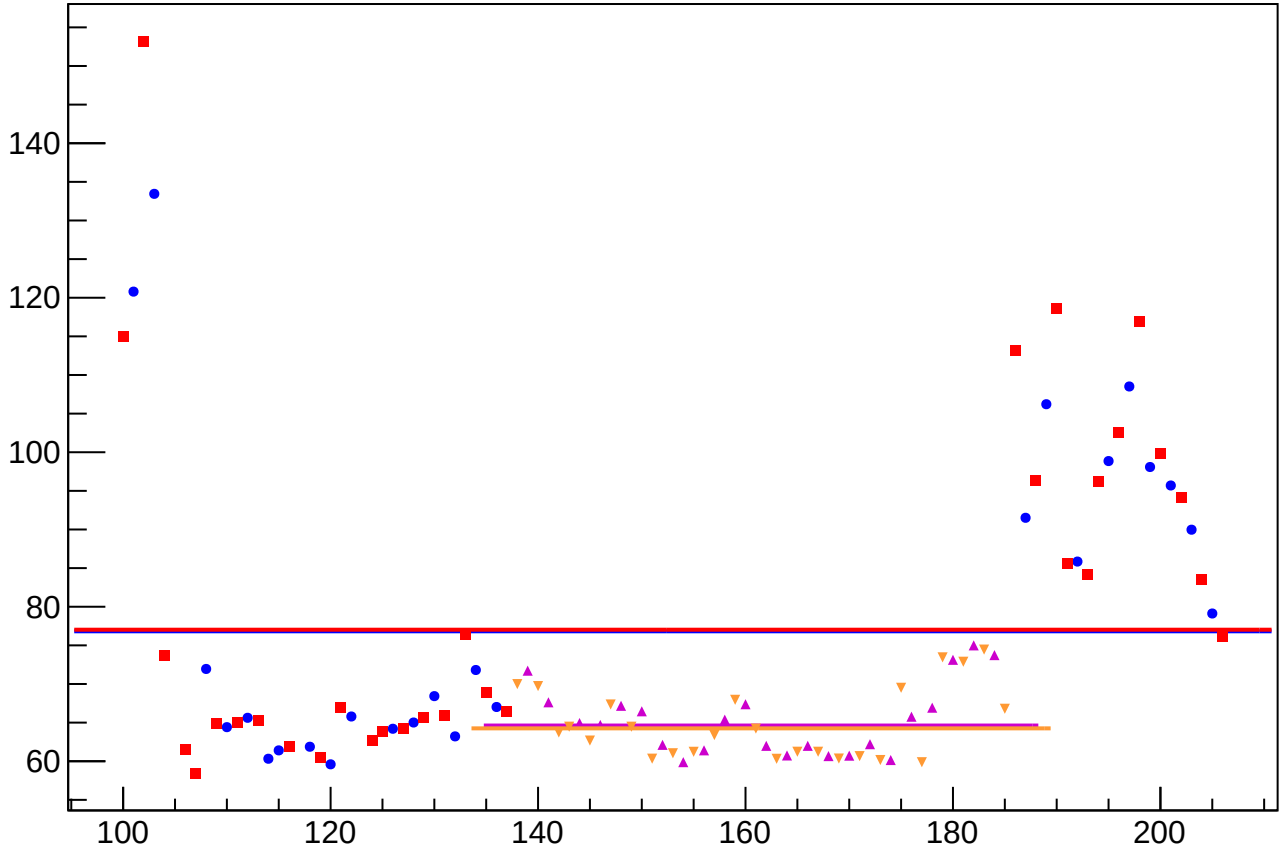
Right: -60.336+/-14.343 χ^2/NDF: 72.1/55

In: 35.696+/-12.289 χ^2/NDF:86.6/47

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 42.207+/-8.485 χ^2/NDF: 213.6/103

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

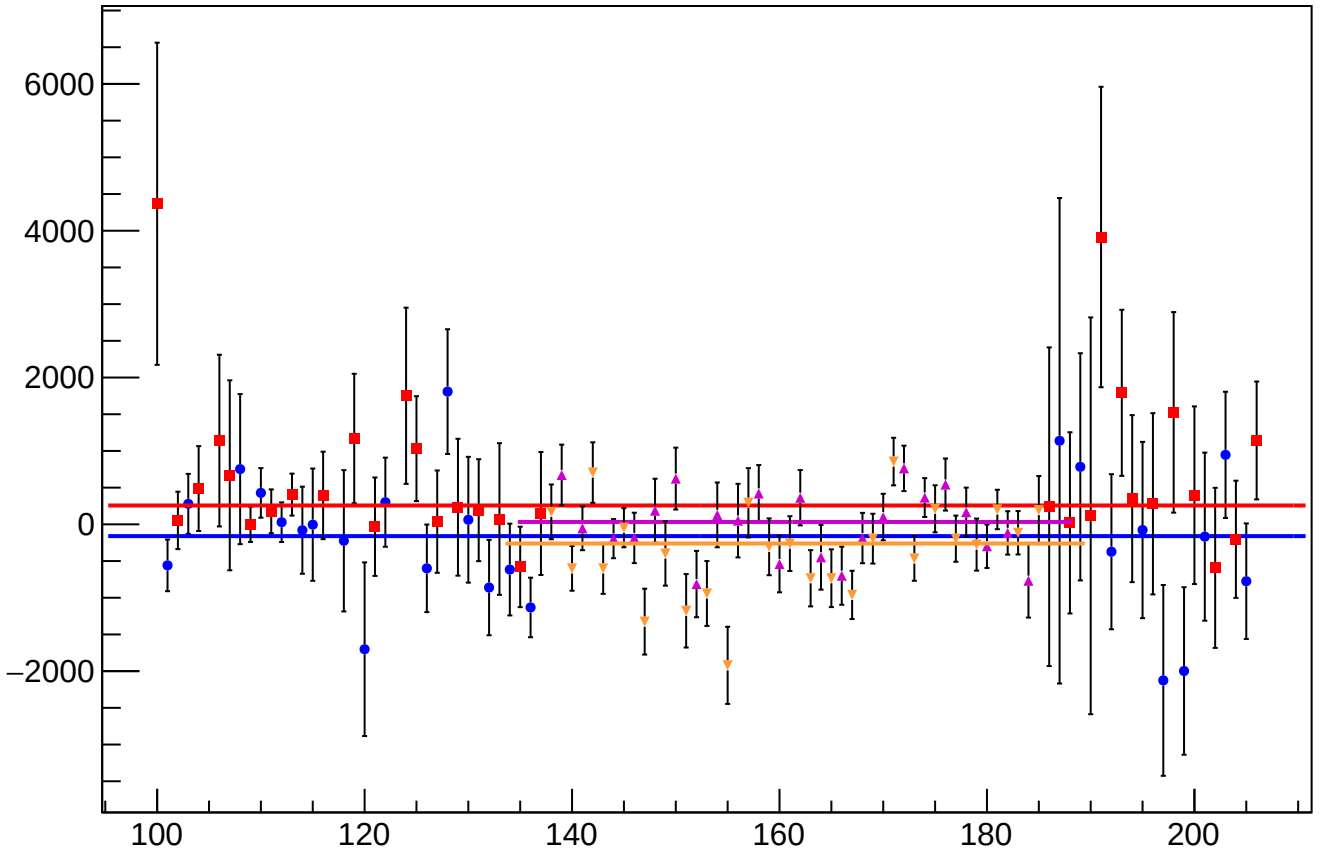
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.931+/-0.010 χ^2/NDF: 2891429.4/55

In: 68.780+/-0.009 χ^2/NDF:1891725.8/47

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.806+/-0.006 χ^2/NDF: 4204184.1/103



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 257.079+/-111.480 χ^2/NDF: 20.7/30

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

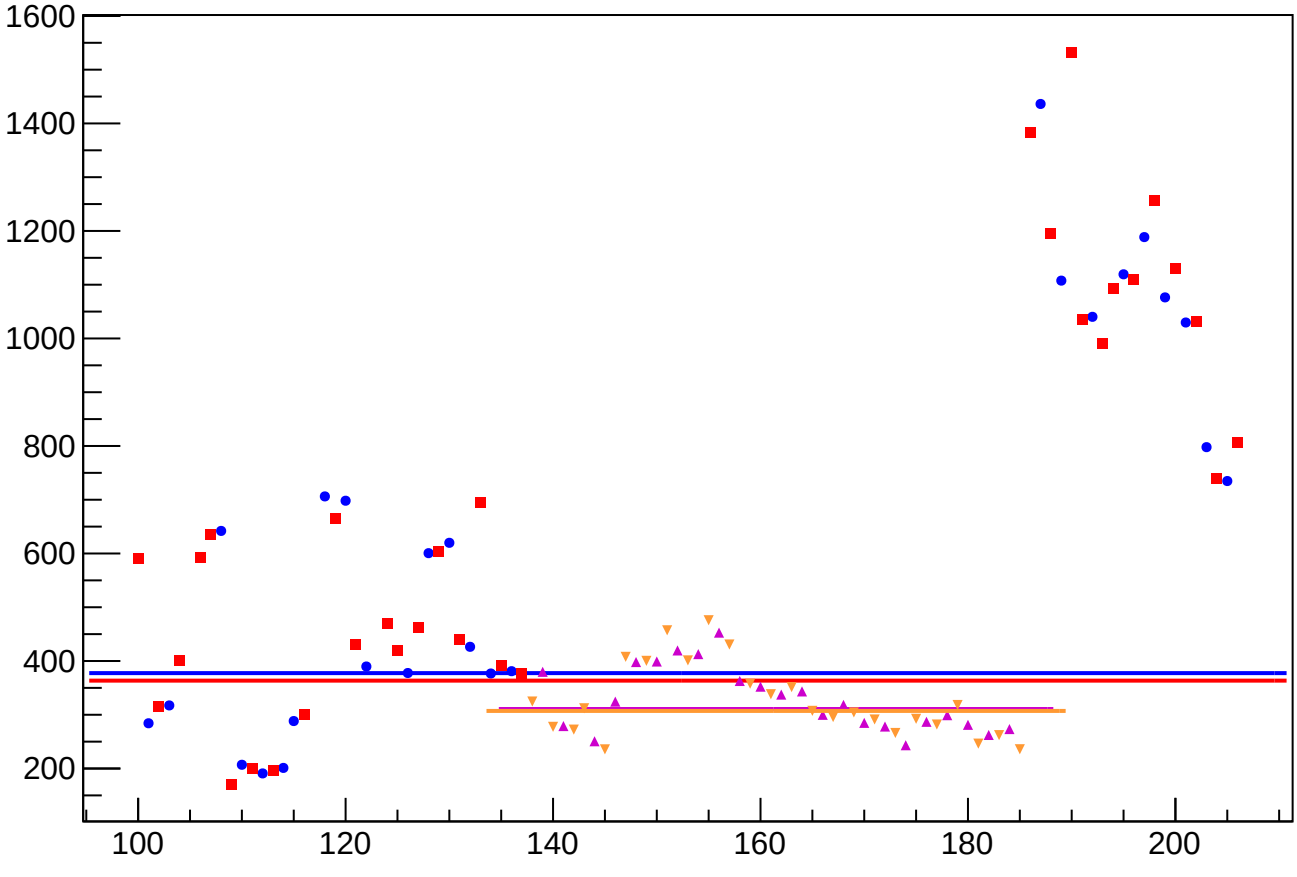
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 62.453+/-81.450 χ^2/NDF: 57.5/55

In: -20.992+/-62.784 χ^2/NDF:63.8/47

Out: -110.782+/-60.047 χ^2/NDF:94.9/55

All: -67.887+/-43.395 χ^2/NDF: 159.8/103



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

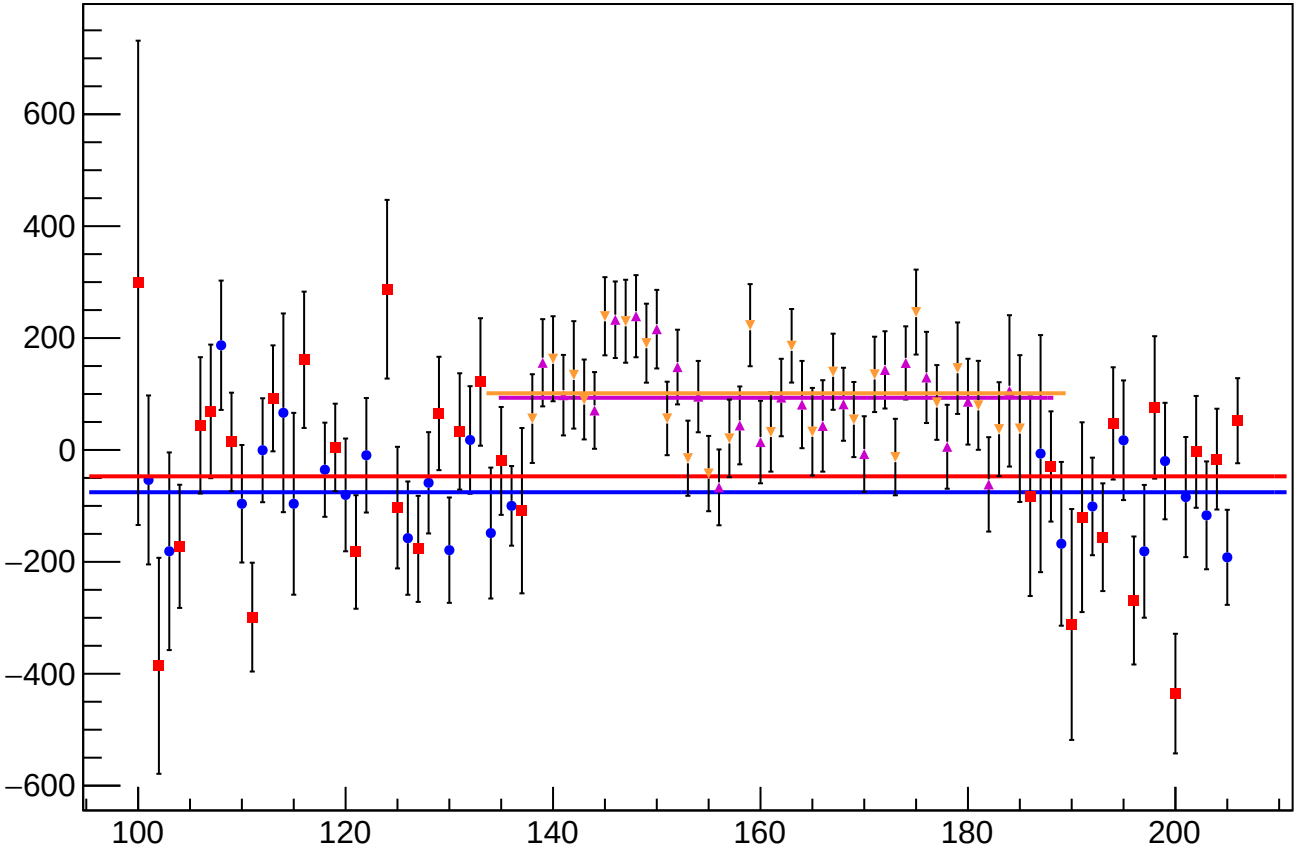
Right: 370.015+/-0.058 χ^2/NDF: 19043964.7/55

In: 329.194+/-0.044 χ^2/NDF:9475710.6/47

Out: 323.493+/-0.042 χ^2/NDF:12769166.8/55

All: 326.217+/-0.031 χ^2/NDF: 22253490.1/10

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.143+/-19.597 χ^2/NDF: 55.8/30

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

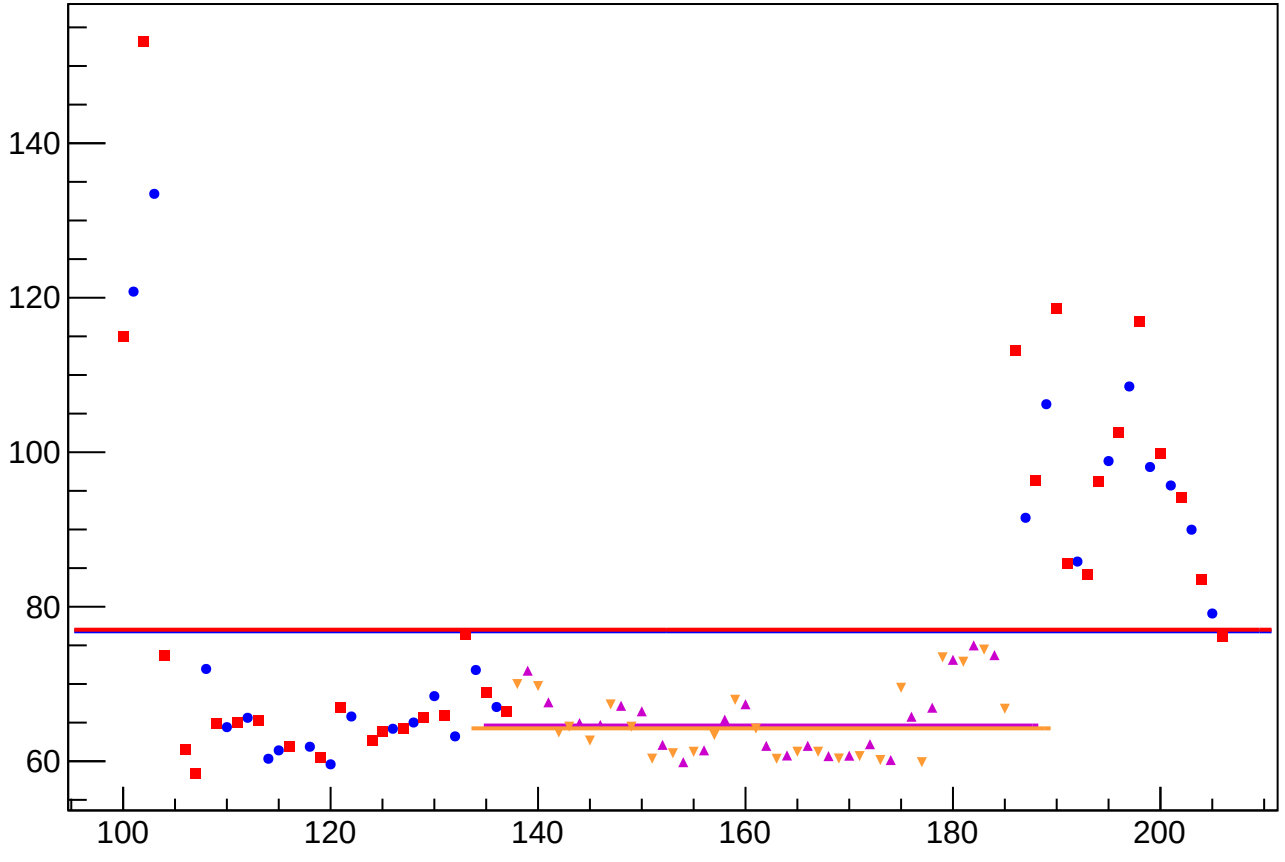
Right: -60.336+/-14.343 χ^2/NDF: 72.1/55

In: 35.696+/-12.289 χ^2/NDF:86.6/47

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 42.207+/-8.485 χ^2/NDF: 213.6/103

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

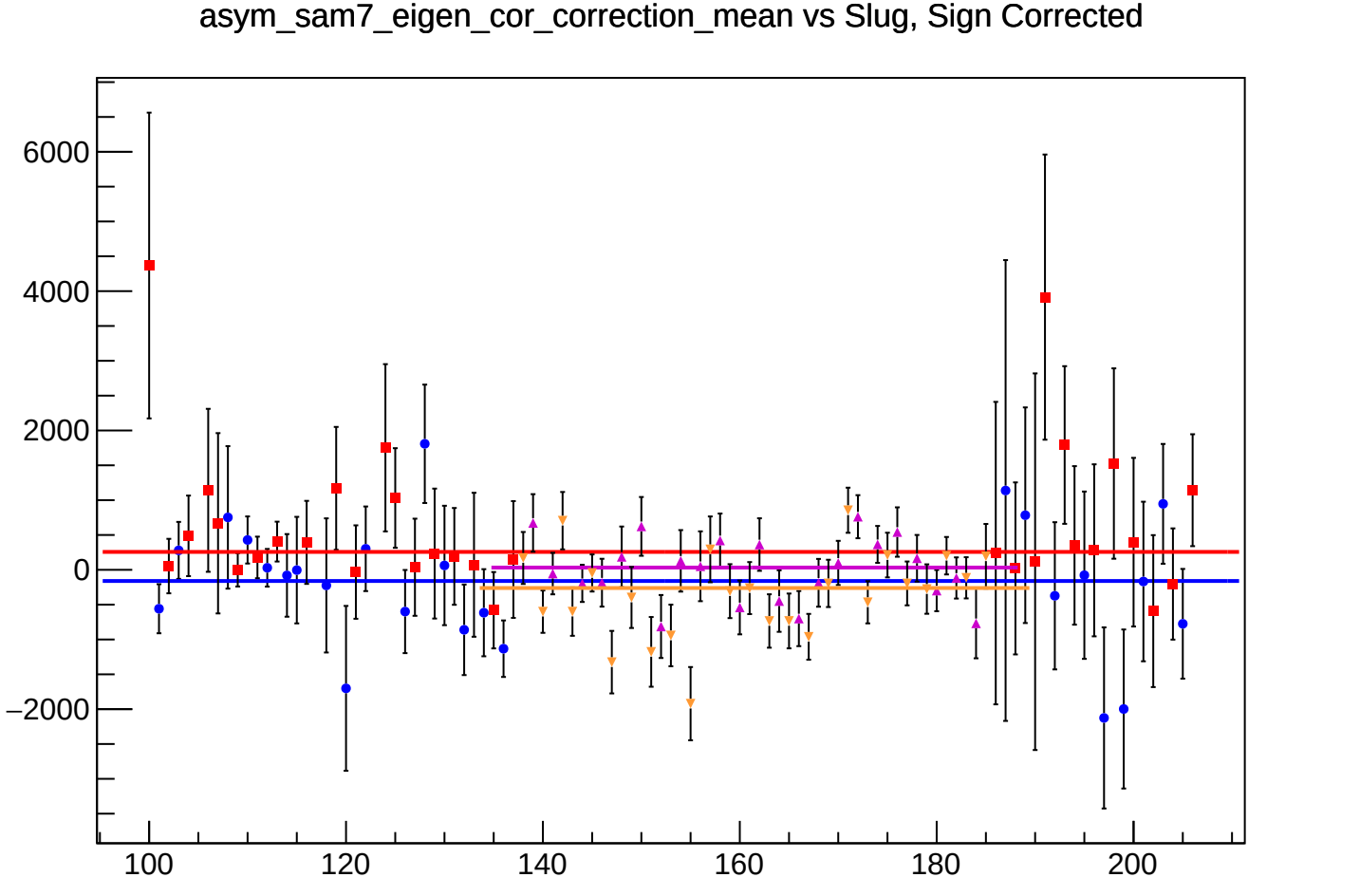
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.931+/-0.010 χ^2/NDF: 2891429.4/55

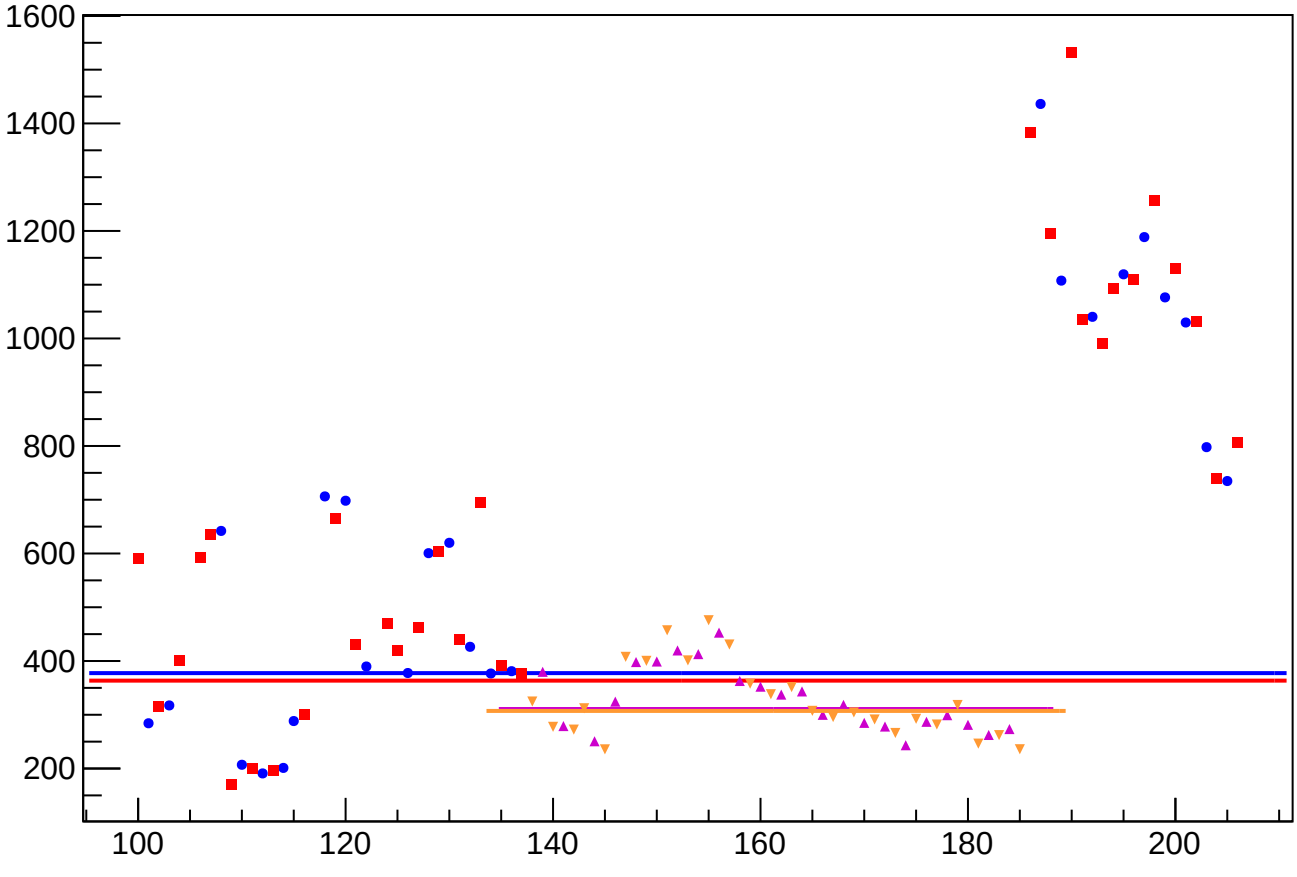
In: 68.780+/-0.009 χ^2/NDF:1891725.8/47

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.806+/-0.006 χ^2/NDF: 4204184.1/103


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -160.408+/-119.293 χ²/NDF: 30.2/24
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 257.079+/-111.480 χ²/NDF: 20.7/30
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 62.453+/-81.450 χ²/NDF: 57.5/55
In: -20.992+/-62.784 χ²/NDF:63.8/47
Out: -110.782+/-60.047 χ²/NDF:94.9/55
All: -67.887+/-43.395 χ²/NDF: 159.8/103

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

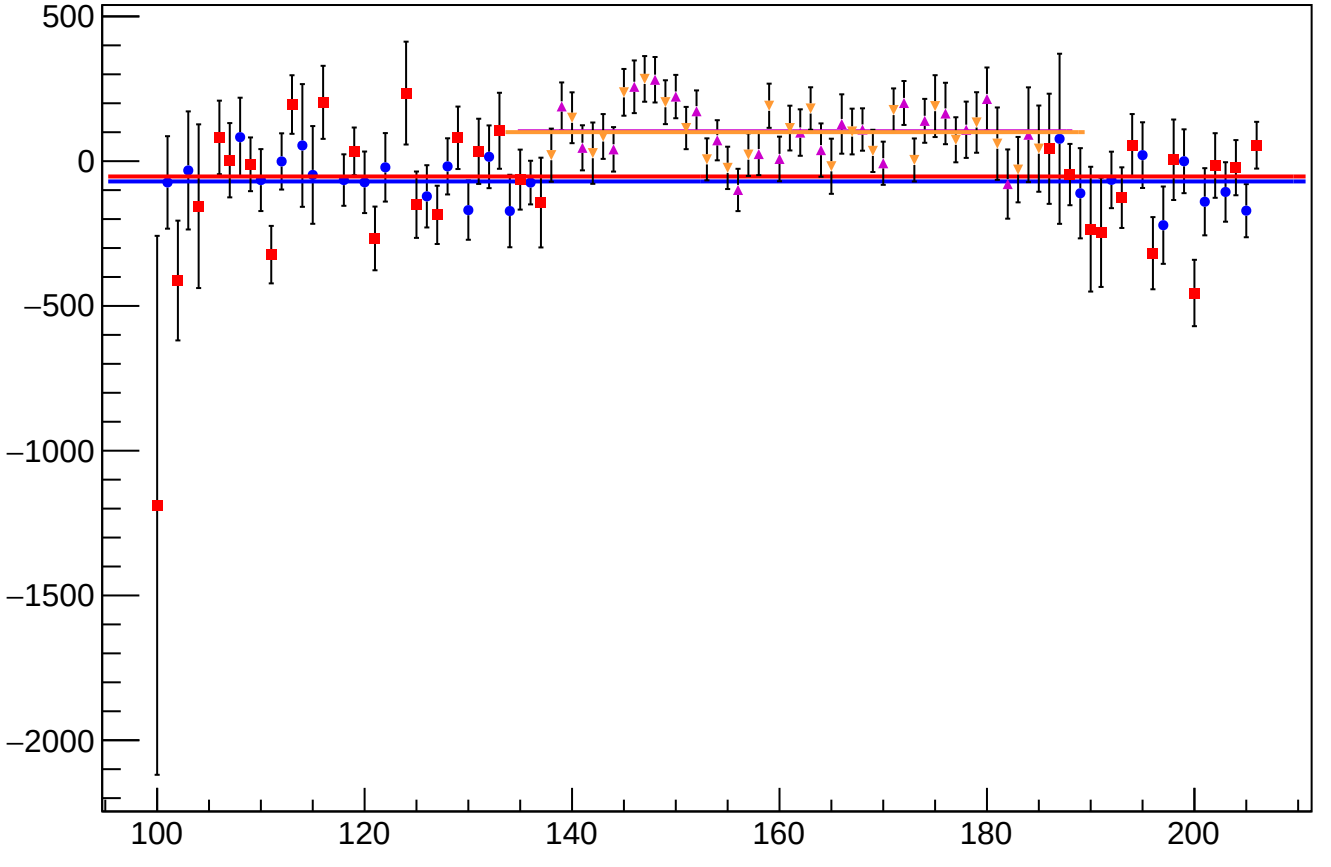
Right: 370.015+/-0.058 χ^2/NDF: 19043964.7/55

In: 329.194+/-0.044 χ^2/NDF:9475710.6/47

Out: 323.493+/-0.042 χ^2/NDF:12769166.8/55

All: 326.217+/-0.031 χ^2/NDF: 22253490.1/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -69.975+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -52.864+/-21.258 χ^2/NDF: 60.2/30

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

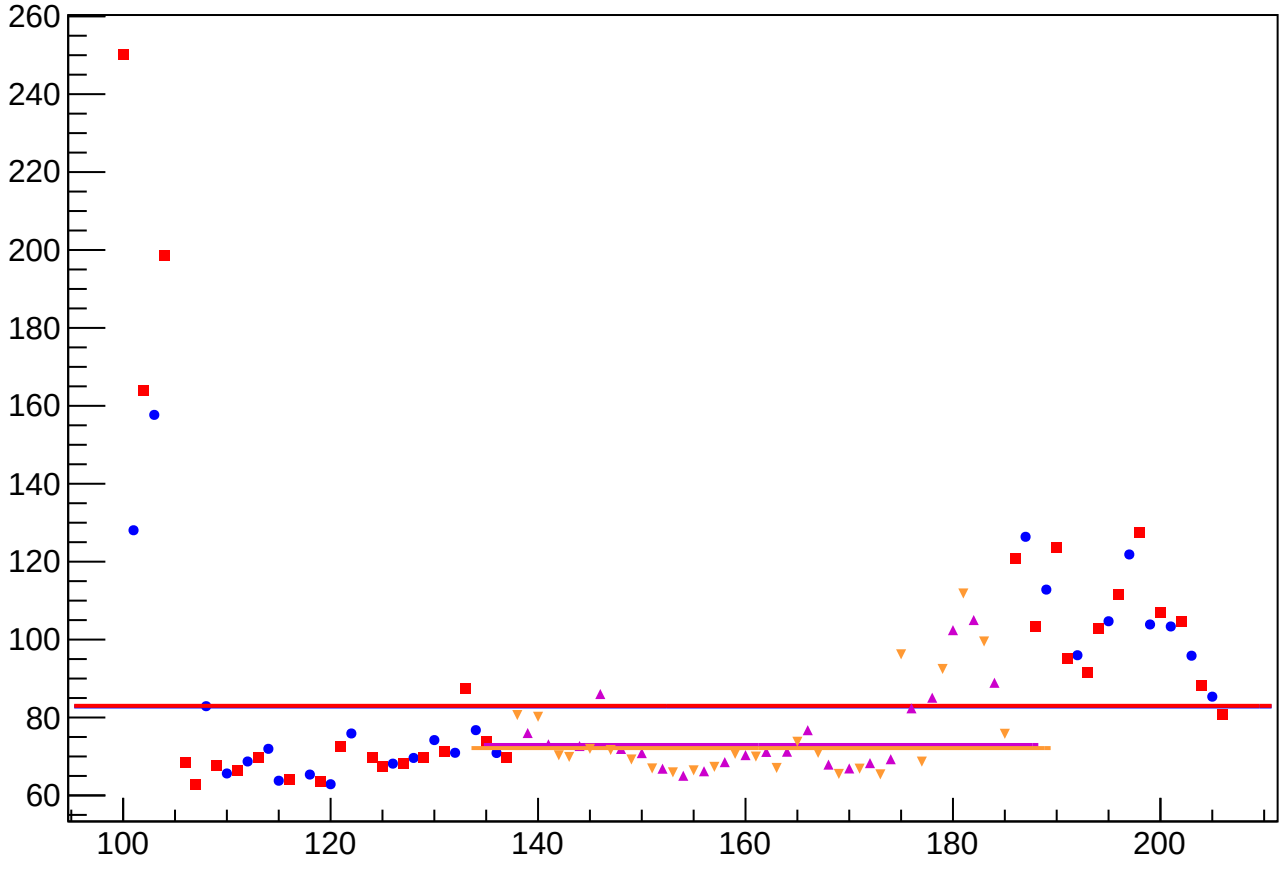
Right: -60.834+/-15.538 χ^2/NDF: 69.9/55

In: 40.094+/-13.754 χ^2/NDF:79.0/47

Out: 42.159+/-13.096 χ^2/NDF:120.1/55

All: 41.177+/-9.484 χ^2/NDF: 199.0/103

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.829+/-0.016 χ^2/NDF: 1445436.6/24

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072818.2/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

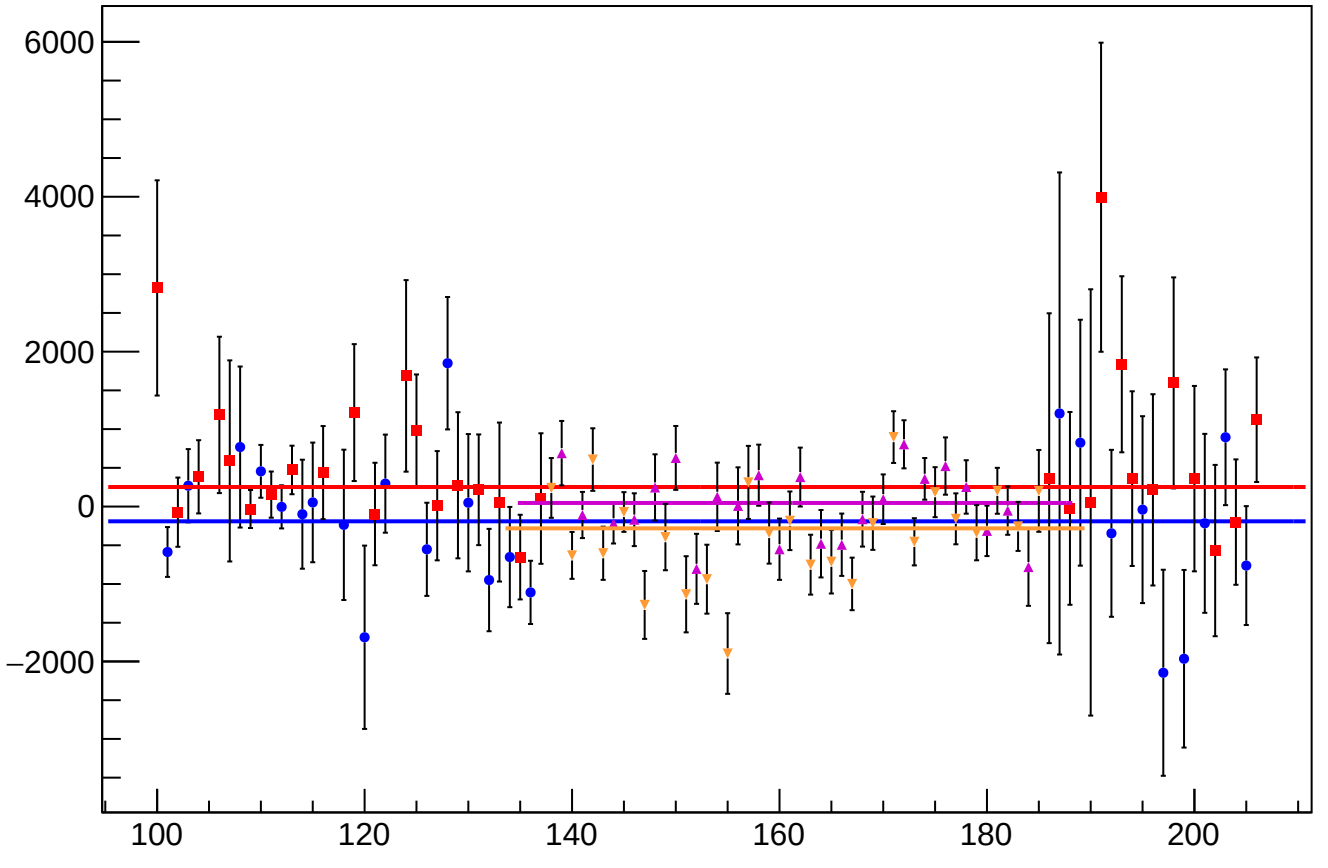
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.919+/-0.011 χ^2/NDF: 3518312.6/55

In: 76.555+/-0.010 χ^2/NDF:2193712.7/47

Out: 76.266+/-0.009 χ^2/NDF:3037905.1/55

All: 76.403+/-0.007 χ^2/NDF: 5232079.8/103



Right In: -190.506+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 252.187+/-113.304 χ^2/NDF: 22.3/30

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

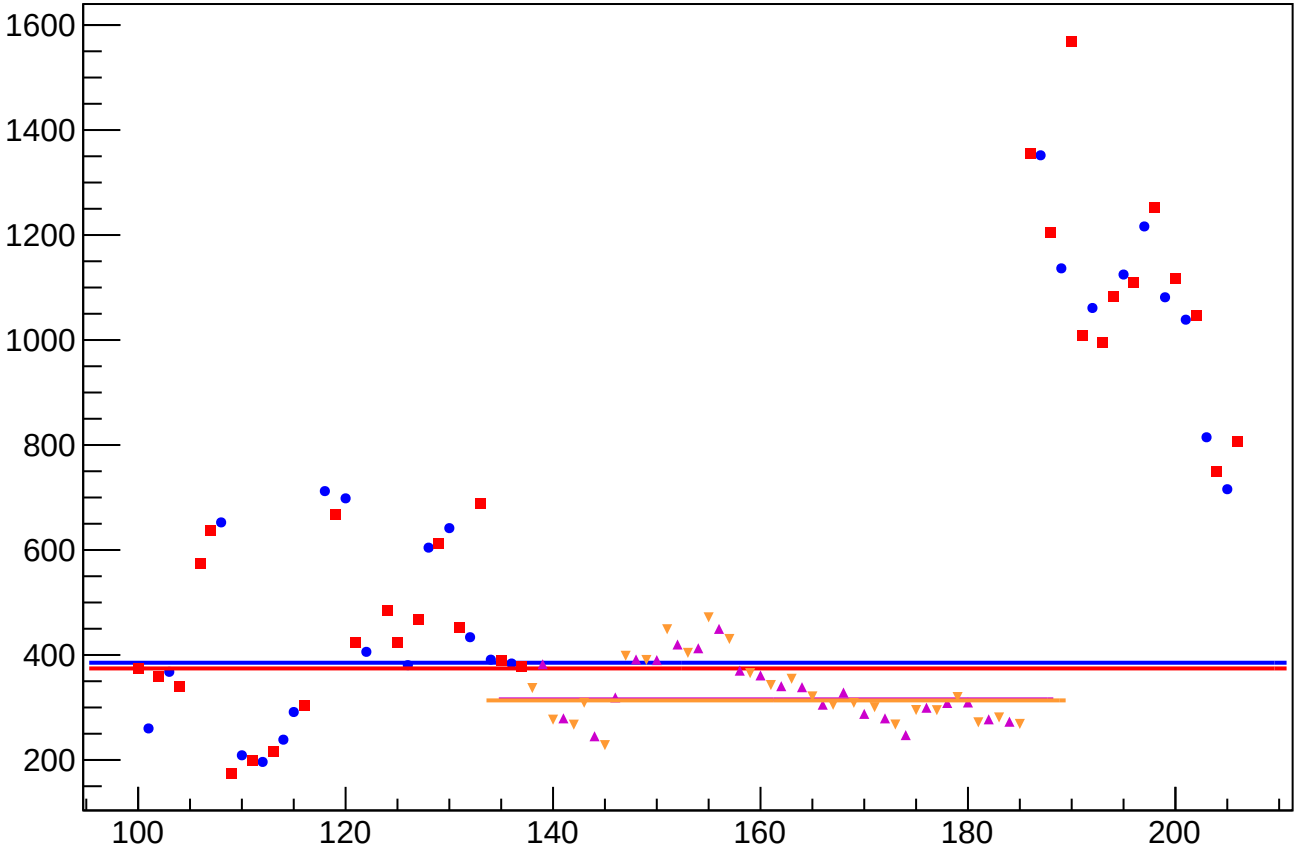
Right: 46.271+/-82.864 χ^2/NDF: 59.3/55

In: -18.713+/-63.757 χ^2/NDF:63.5/47

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -74.720+/-44.110 χ^2/NDF: 159.7/103

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 385.243+/-0.086 χ^2/NDF: 7877395.3/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 374.376+/-0.080 χ^2/NDF: 10708471.8/30

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

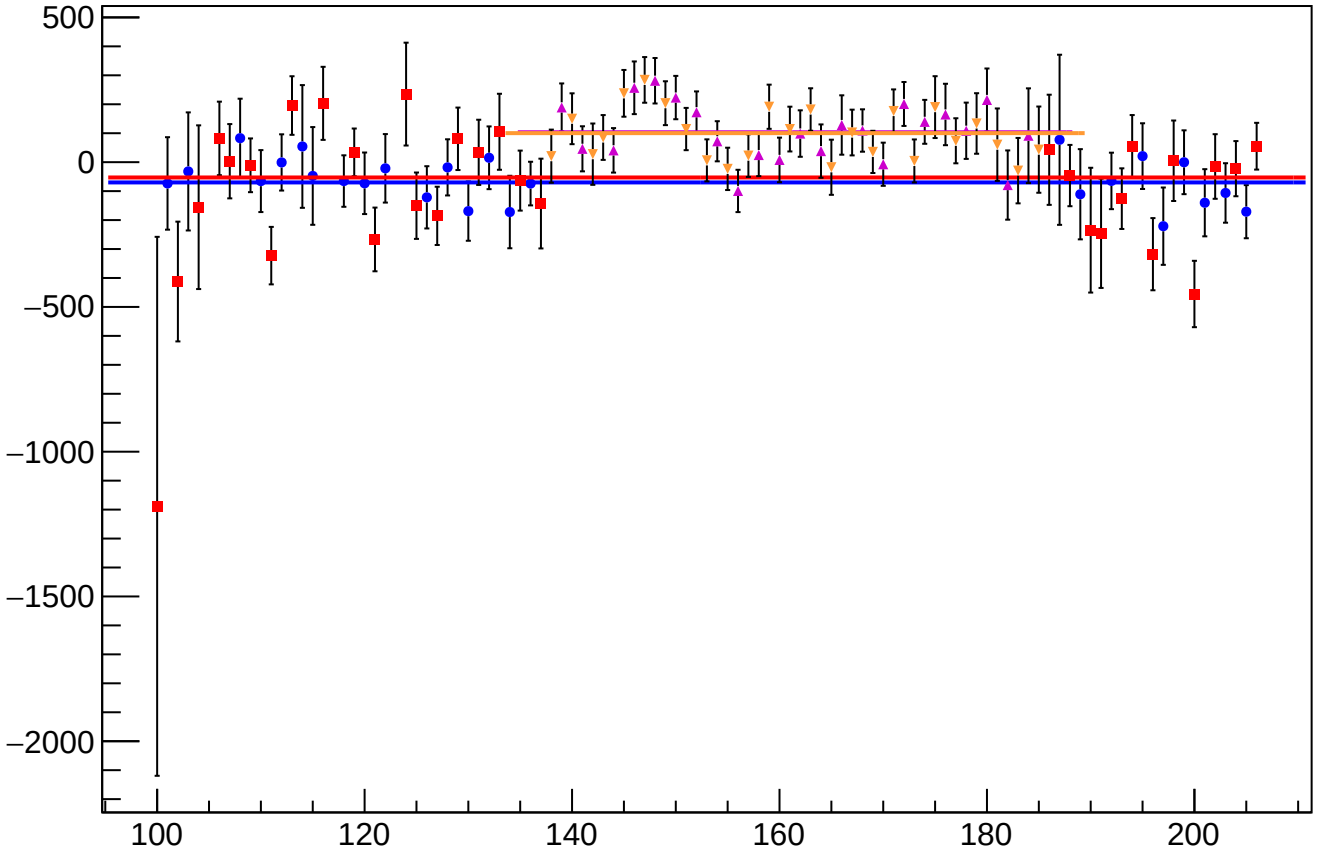
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 379.430+/-0.059 χ^2/NDF: 18594424.7/55

In: 334.672+/-0.045 χ^2/NDF:9364066.8/47

Out: 331.197+/-0.043 χ^2/NDF:12293494.3/55

All: 332.861+/-0.031 χ^2/NDF: 21660658.7/10



Right In: -69.974+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -52.864+/-21.258 χ^2/NDF: 60.2/30

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

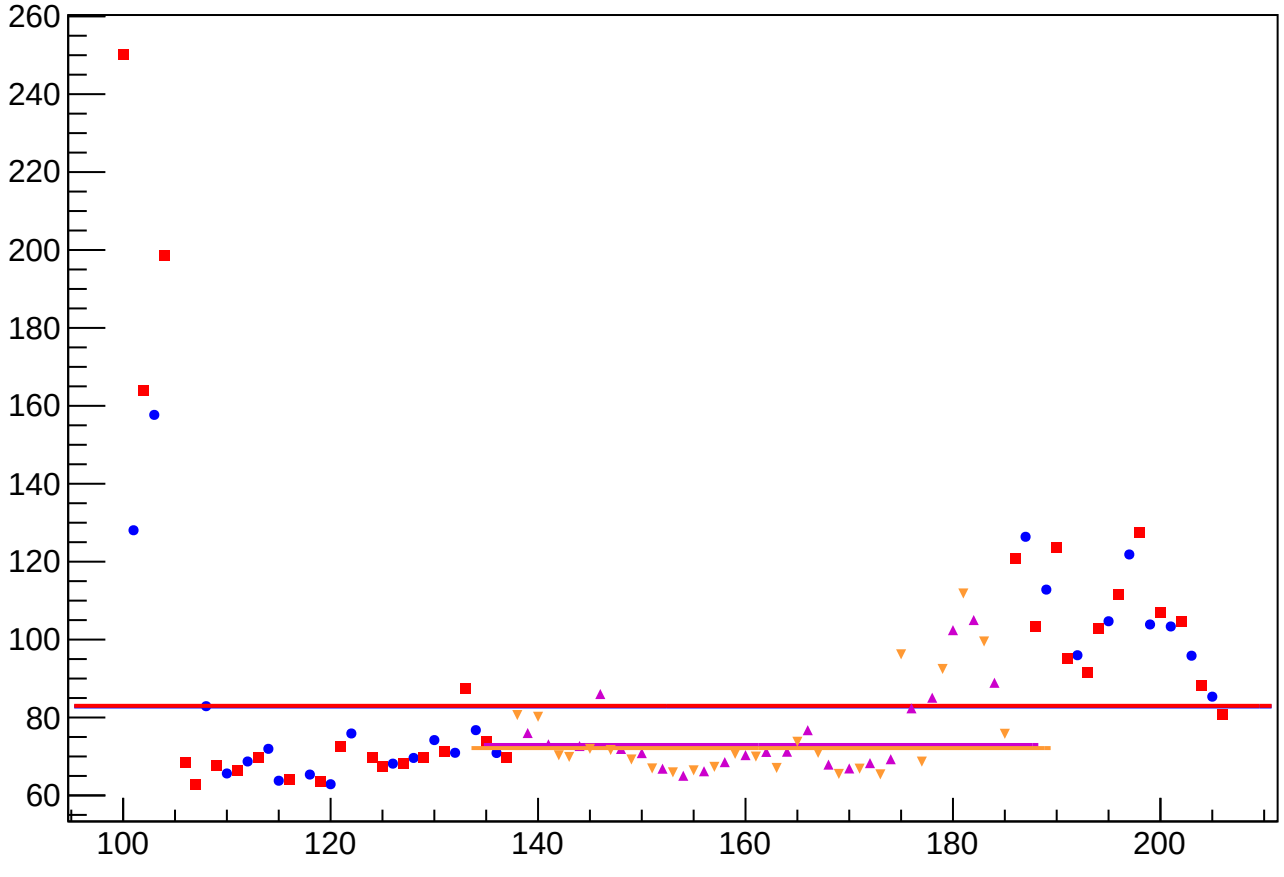
Right: -60.834+/-15.537 χ^2/NDF: 69.9/55

In: 40.094+/-13.754 χ^2/NDF:79.0/47

Out: 42.158+/-13.096 χ^2/NDF:120.1/55

All: 41.177+/-9.484 χ^2/NDF: 199.0/103

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.829+/-0.016 χ^2/NDF: 1445444.9/24

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072819.9/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

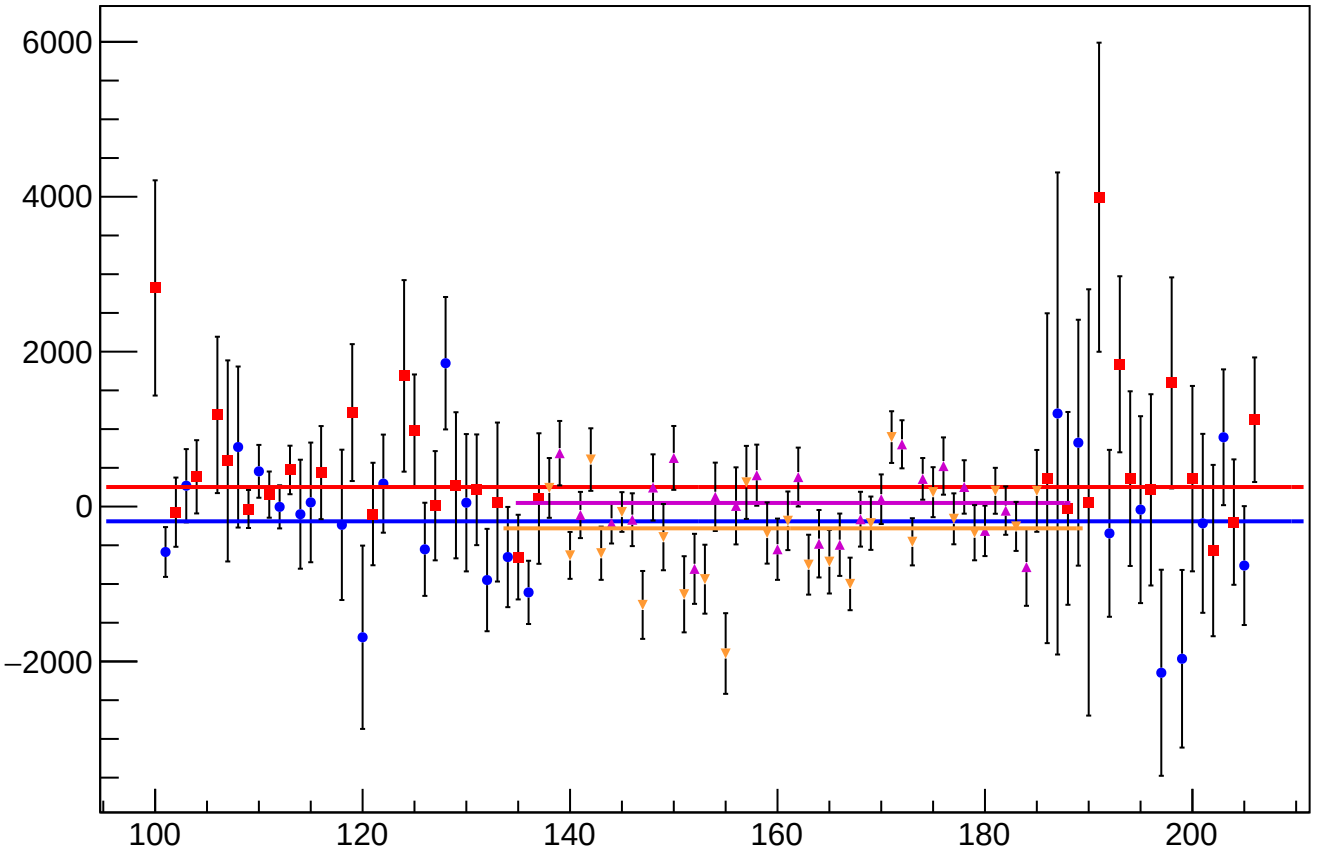
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 82.919+/-0.011 χ^2/NDF: 3518322.6/55

In: 76.555+/-0.010 χ^2/NDF:2193715.1/47

Out: 76.266+/-0.009 χ^2/NDF:3037897.9/55

All: 76.403+/-0.007 χ^2/NDF: 5232075.1/103



Right In: -190.504+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 252.186+/-113.304 χ^2/NDF: 22.3/30

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

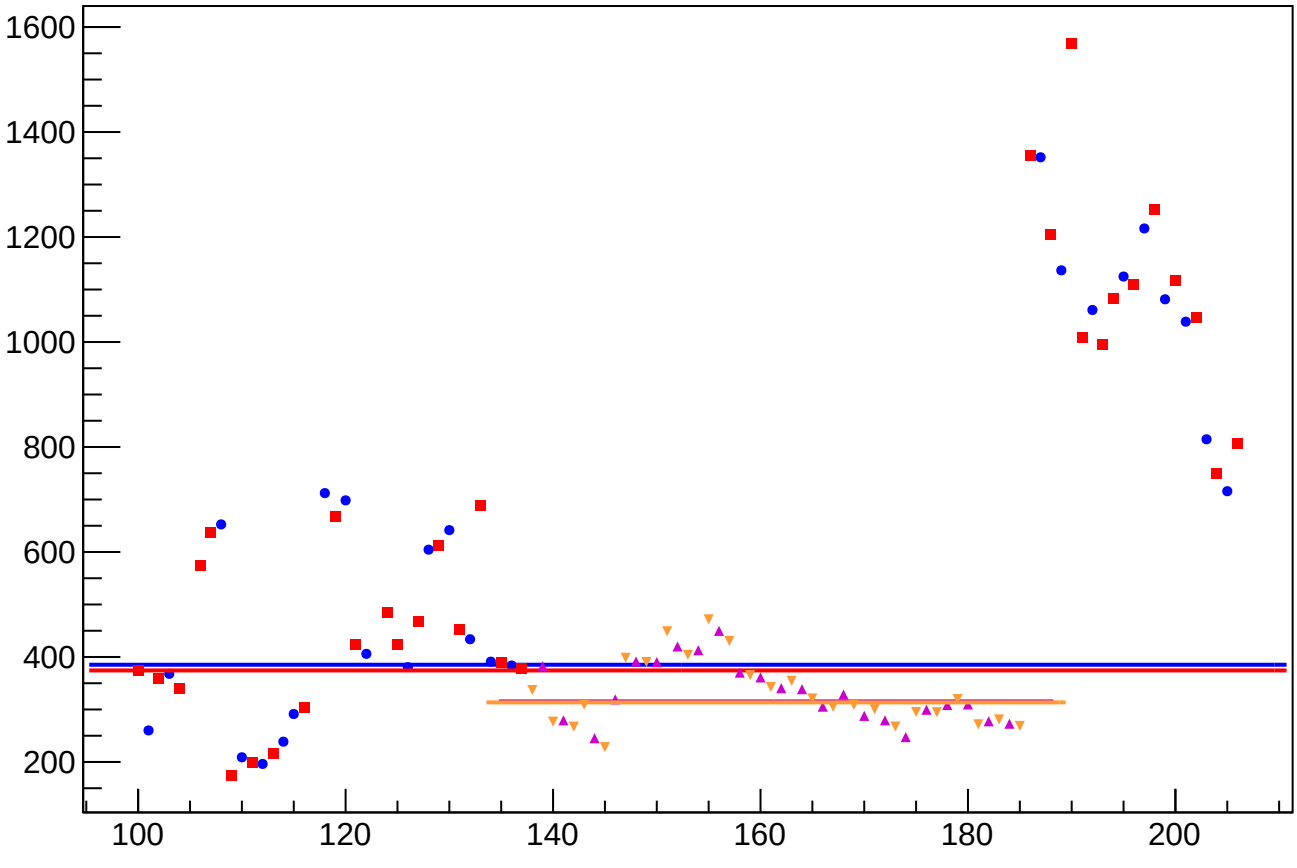
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 46.271+/-82.863 χ^2/NDF: 59.3/55

In: -18.713+/-63.756 χ^2/NDF:63.5/47

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -74.720+/-44.110 χ^2/NDF: 159.7/103



Right In: 385.240+/-0.086 χ^2/NDF: 7877471.5/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 374.374+/-0.080 χ^2/NDF: 10708518.5/30

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

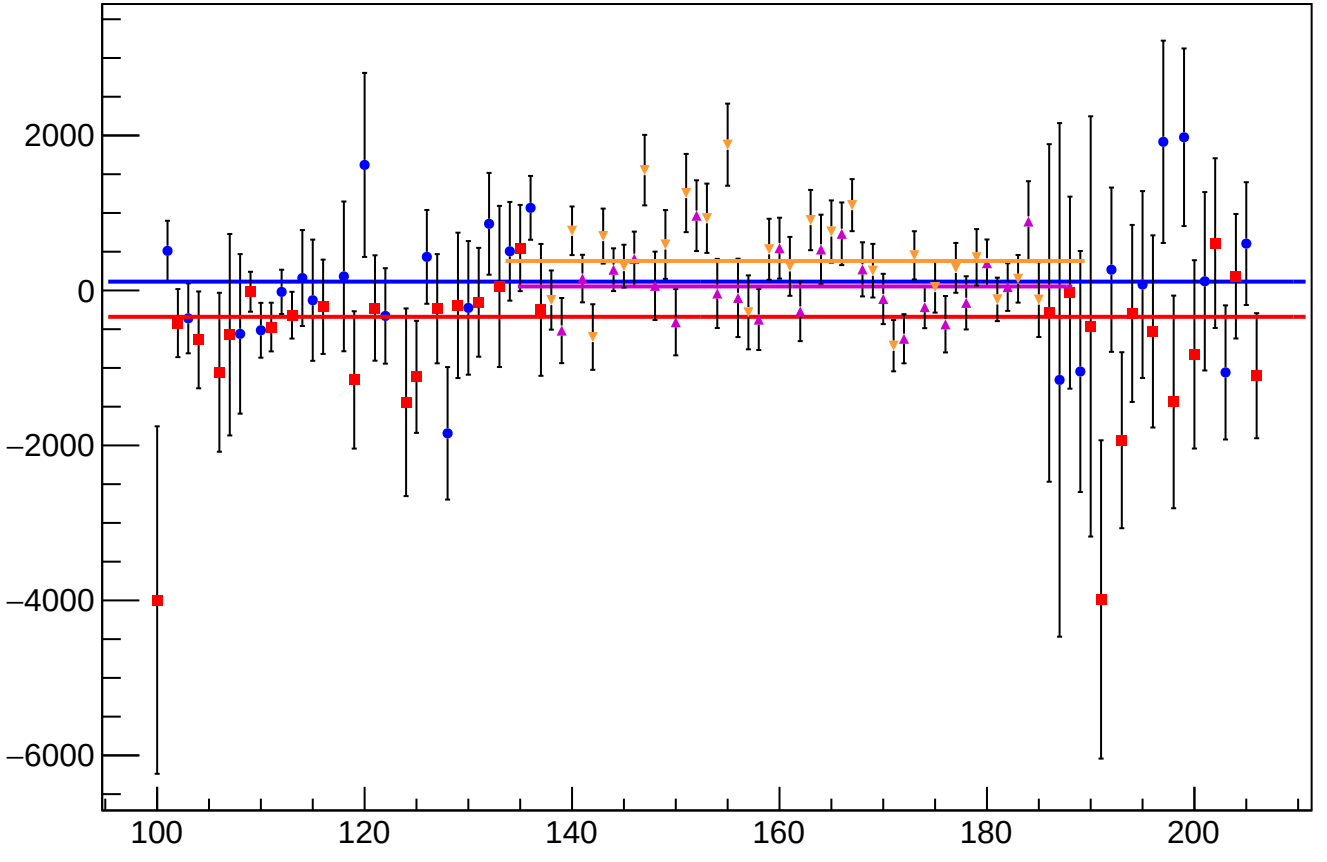
Right: 379.428+/-0.059 χ^2/NDF: 18594546.0/55

In: 334.672+/-0.045 χ^2/NDF:9364101.7/47

Out: 331.197+/-0.043 χ^2/NDF:12293522.2/55

All: 332.860+/-0.031 χ^2/NDF: 21660721.4/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 113.911+/-124.449 χ^2/NDF: 28.3/24

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -340.150+/-116.501 χ^2/NDF: 19.0/30

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

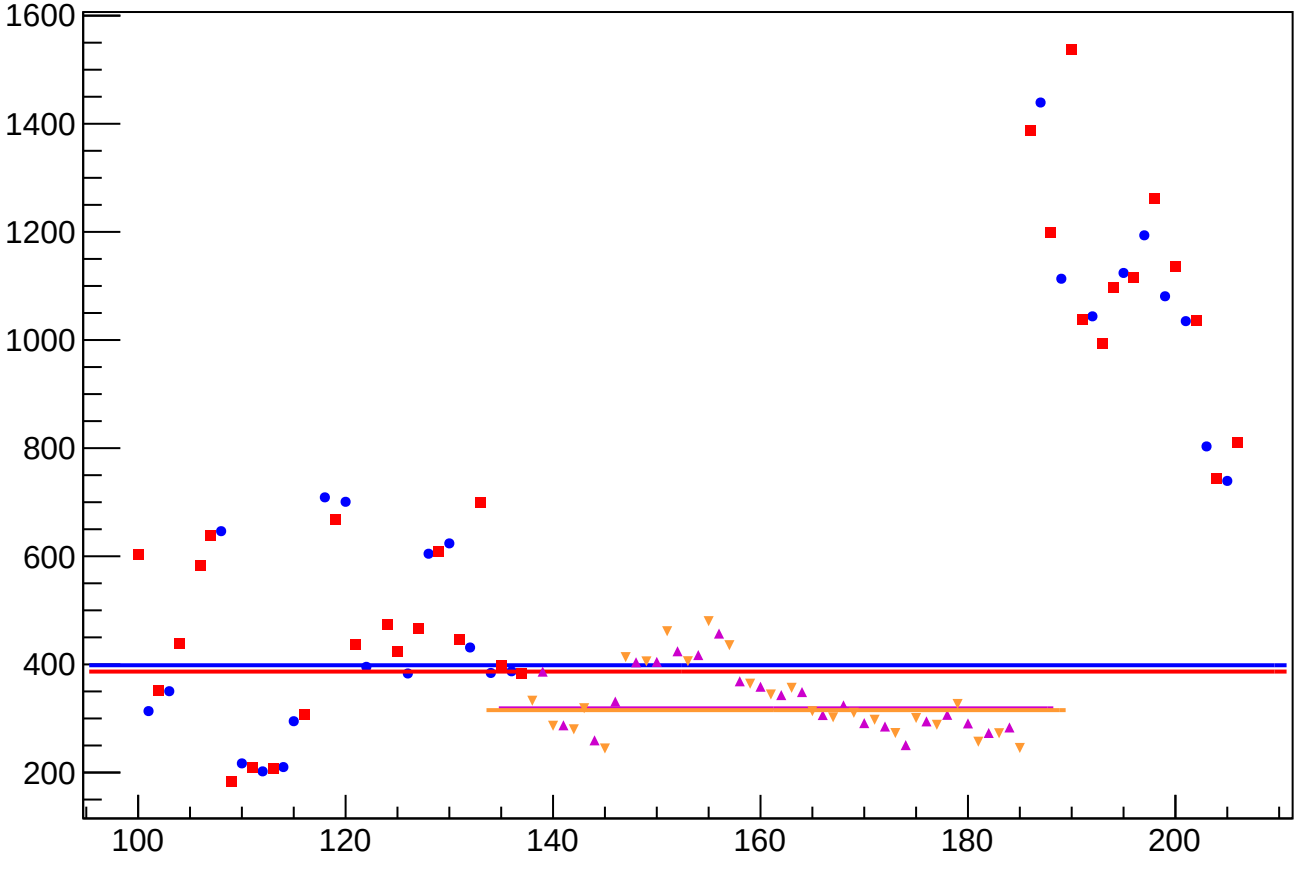
Right: -128.080+/-85.050 χ^2/NDF: 54.4/55

In: 68.314+/-64.631 χ^2/NDF:56.7/47

Out: 177.186+/-61.894 χ^2/NDF:101.9/55

All: 125.104+/-44.702 χ^2/NDF: 160.1/103

asym_sam7_rms vs Slug, Sign Corrected



Right In: 398.431+/-0.088 χ^2/NDF: 7476369.7/24

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 386.721+/-0.082 χ^2/NDF: 10478594.2/30

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

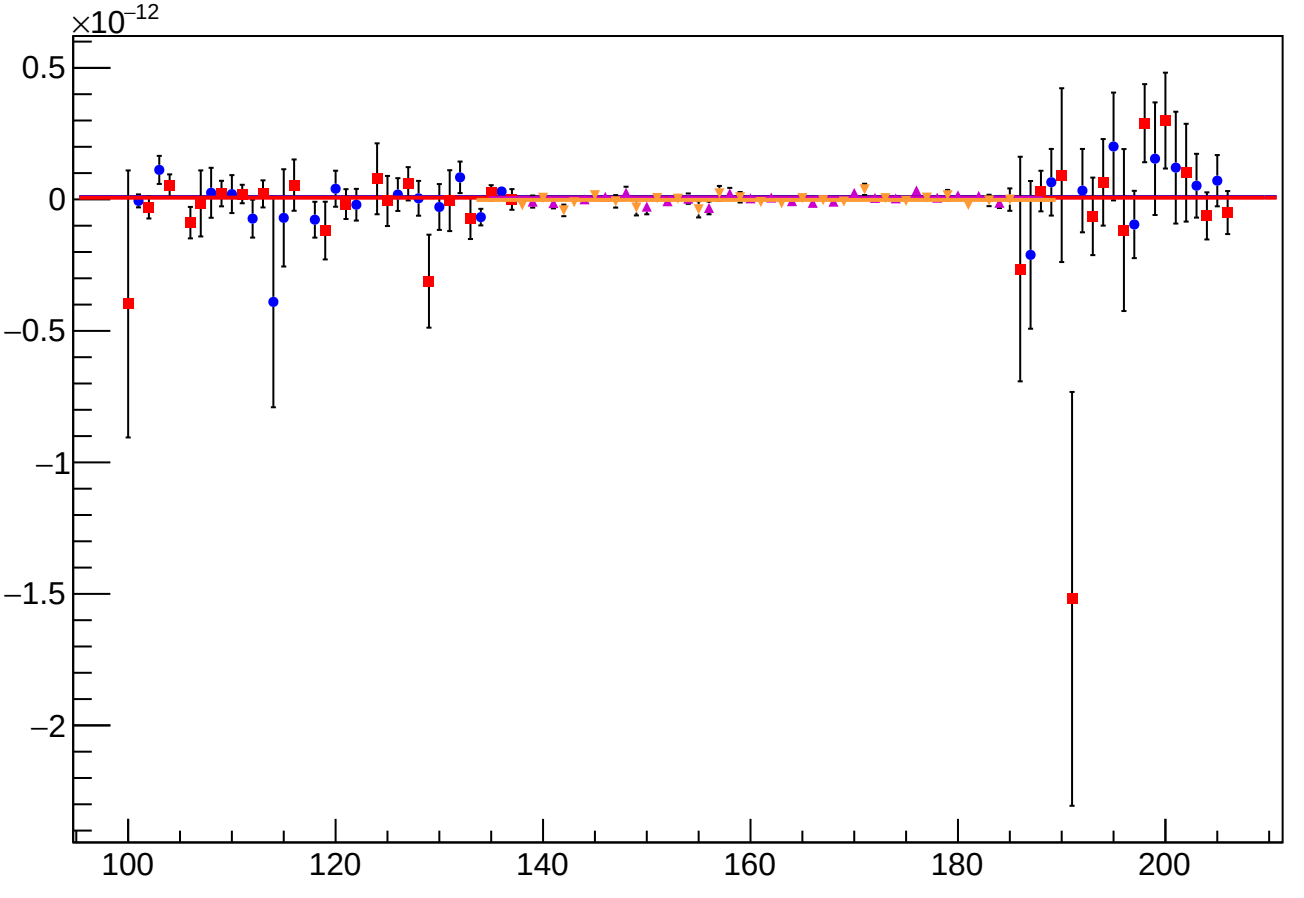
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 392.190+/-0.060 χ^2/NDF: 17964401.8/55

In: 340.196+/-0.046 χ^2/NDF:9067664.2/47

Out: 335.527+/-0.044 χ^2/NDF:12226757.4/55

All: 337.760+/-0.032 χ^2/NDF: 21299865.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

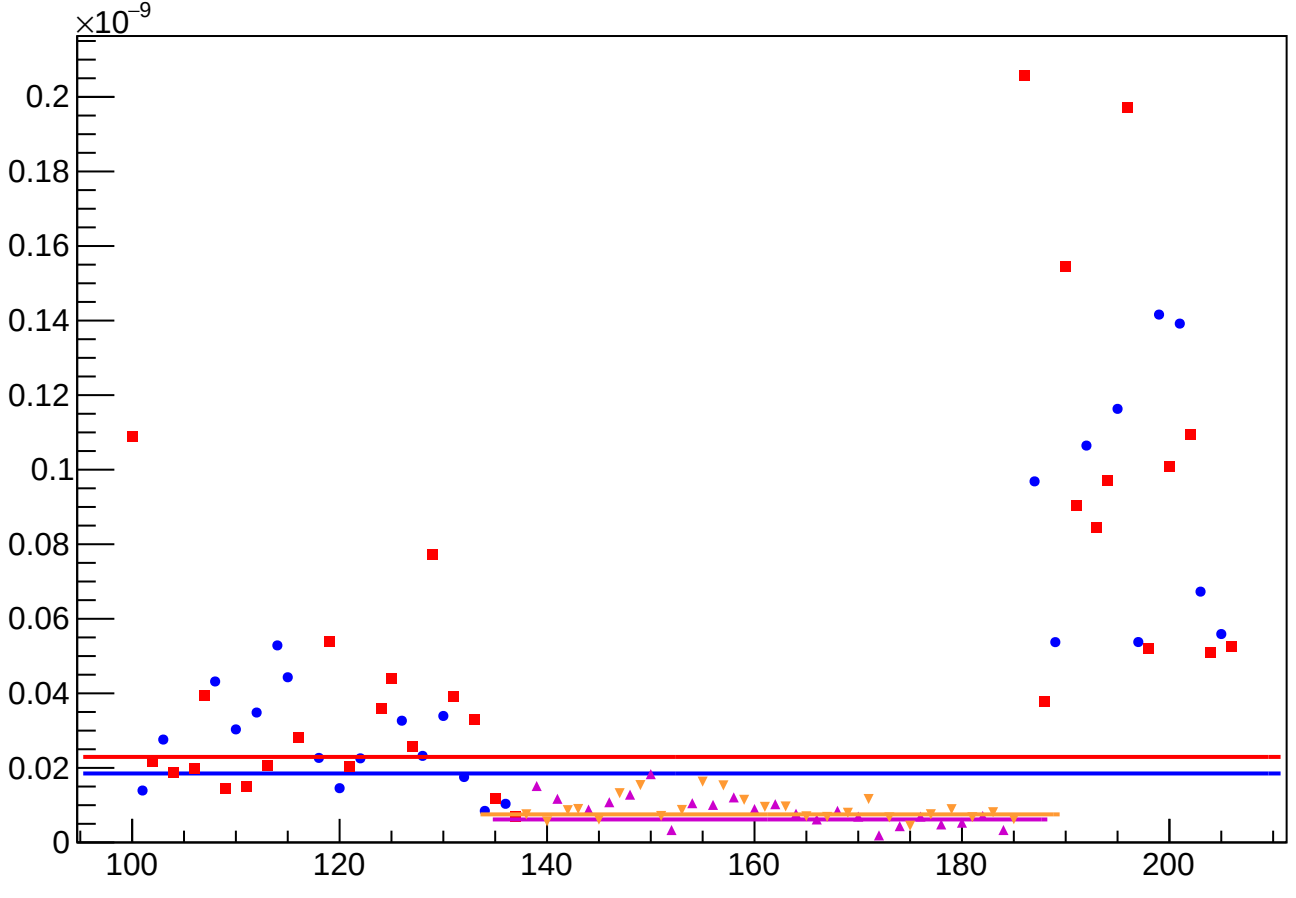
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 46.6/55

In: 0.000+/-0.000 χ^2/NDF:39.2/47

Out: -0.000+/-0.000 χ^2/NDF:44.7/55

All: 0.000+/-0.000 χ^2/NDF: 86.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 4757091.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4954900.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

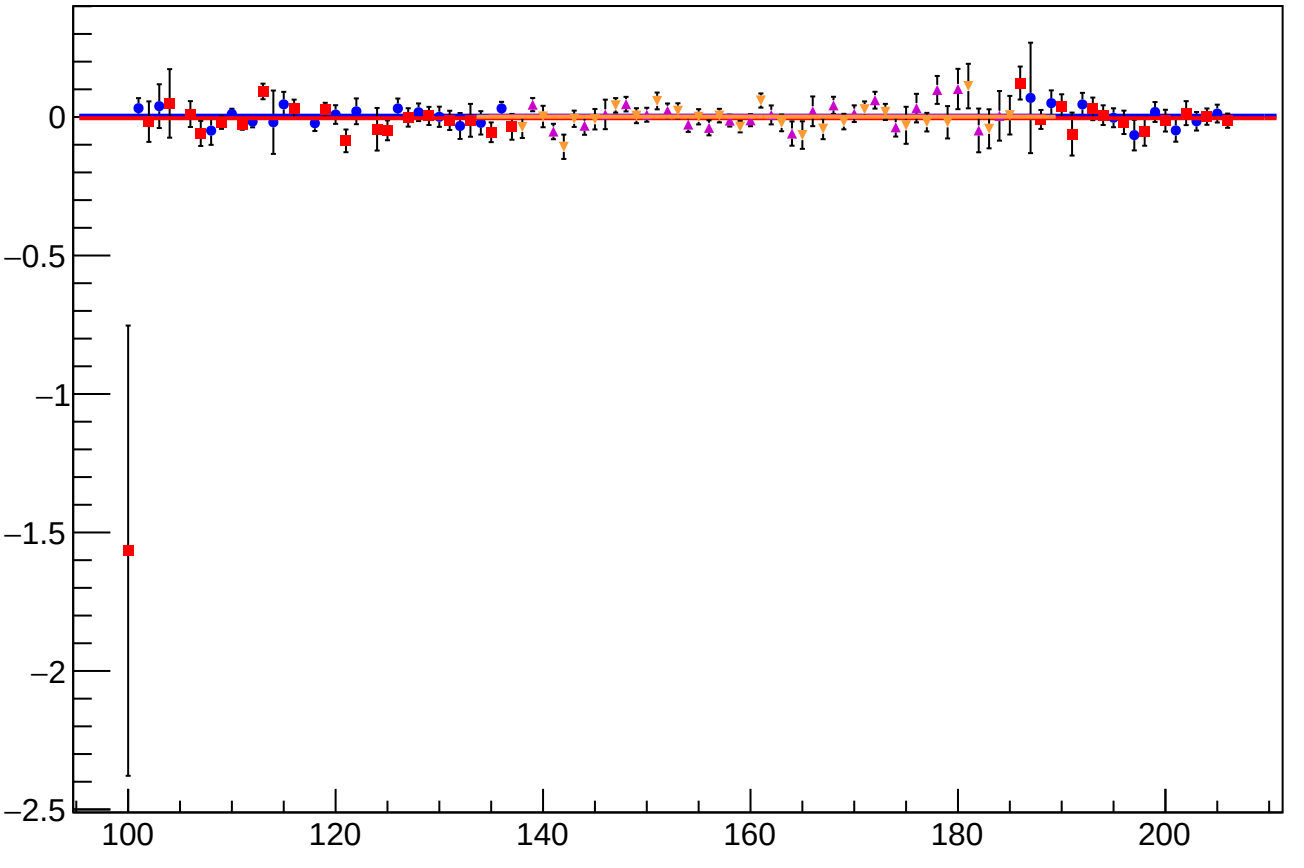
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9862010.1/55

In: 0.000+/-0.000 χ^2/NDF:10009085.6/47

Out: 0.000+/-0.000 χ^2/NDF:9149977.7/55

All: 0.000+/-0.000 χ^2/NDF: 19393866.6/103



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.3/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

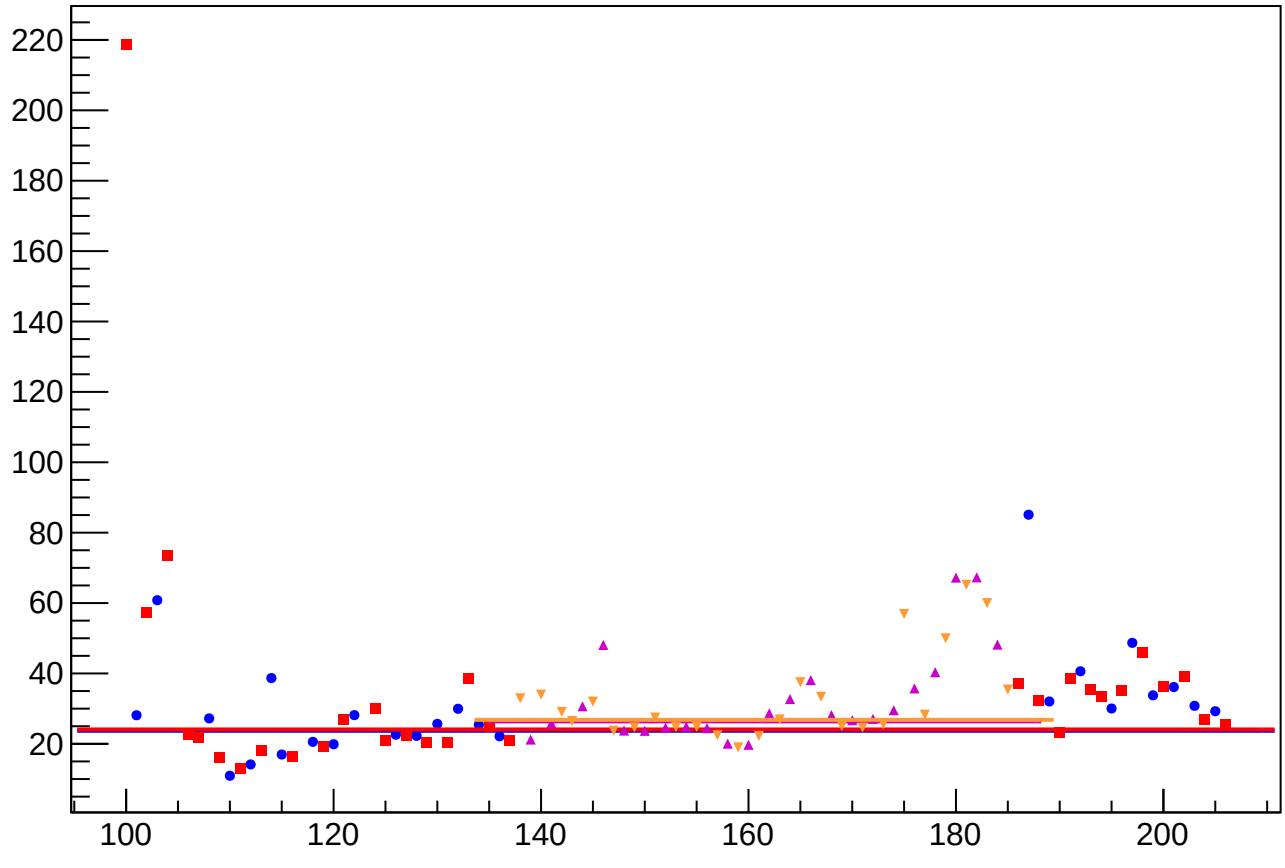
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.000+/-0.005 χ^2/NDF: 53.0/55

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 114.6/103



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

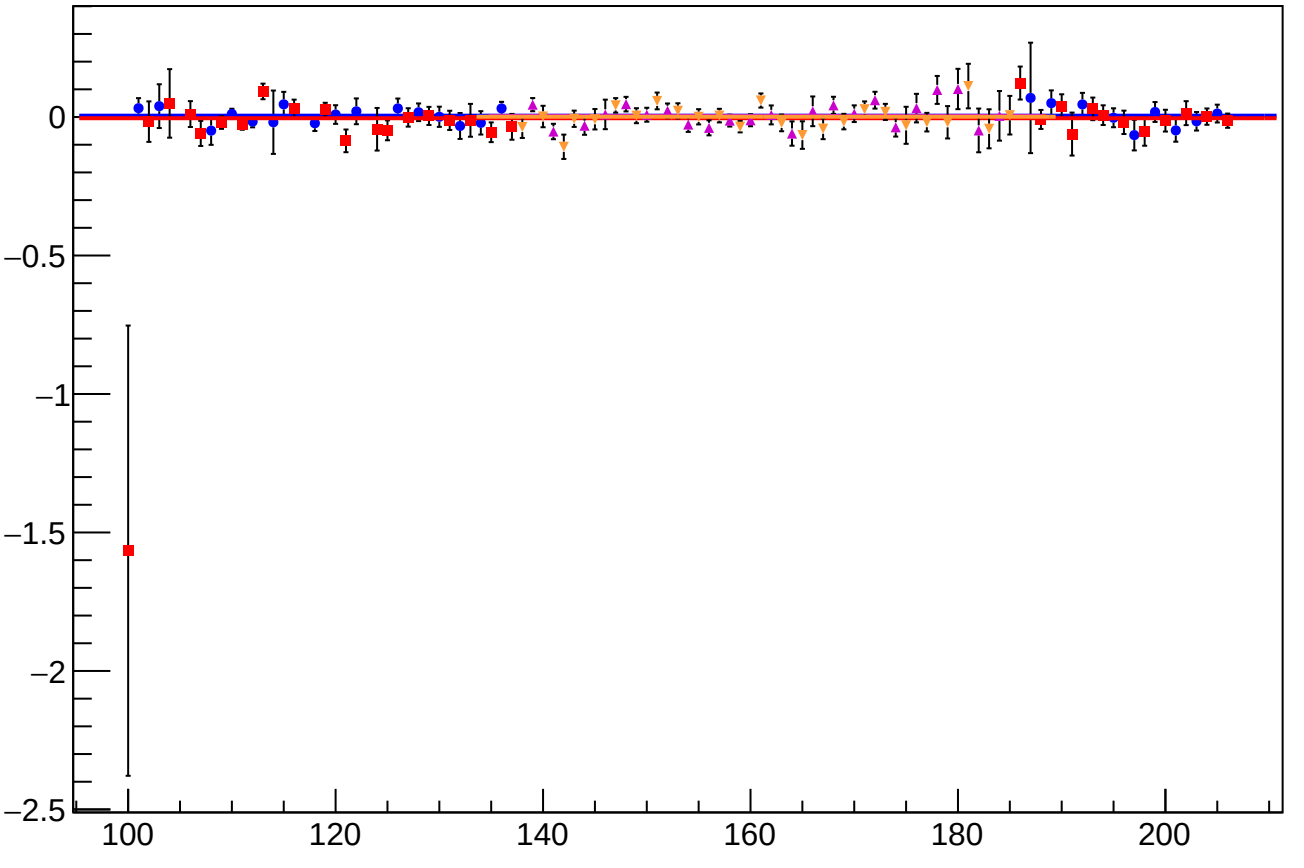
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.914+/-0.003 χ^2/NDF: 7385846.4/55

In: 25.122+/-0.003 χ^2/NDF:6324849.4/47

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.301+/-0.002 χ^2/NDF: 12753001.6/103



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.3/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

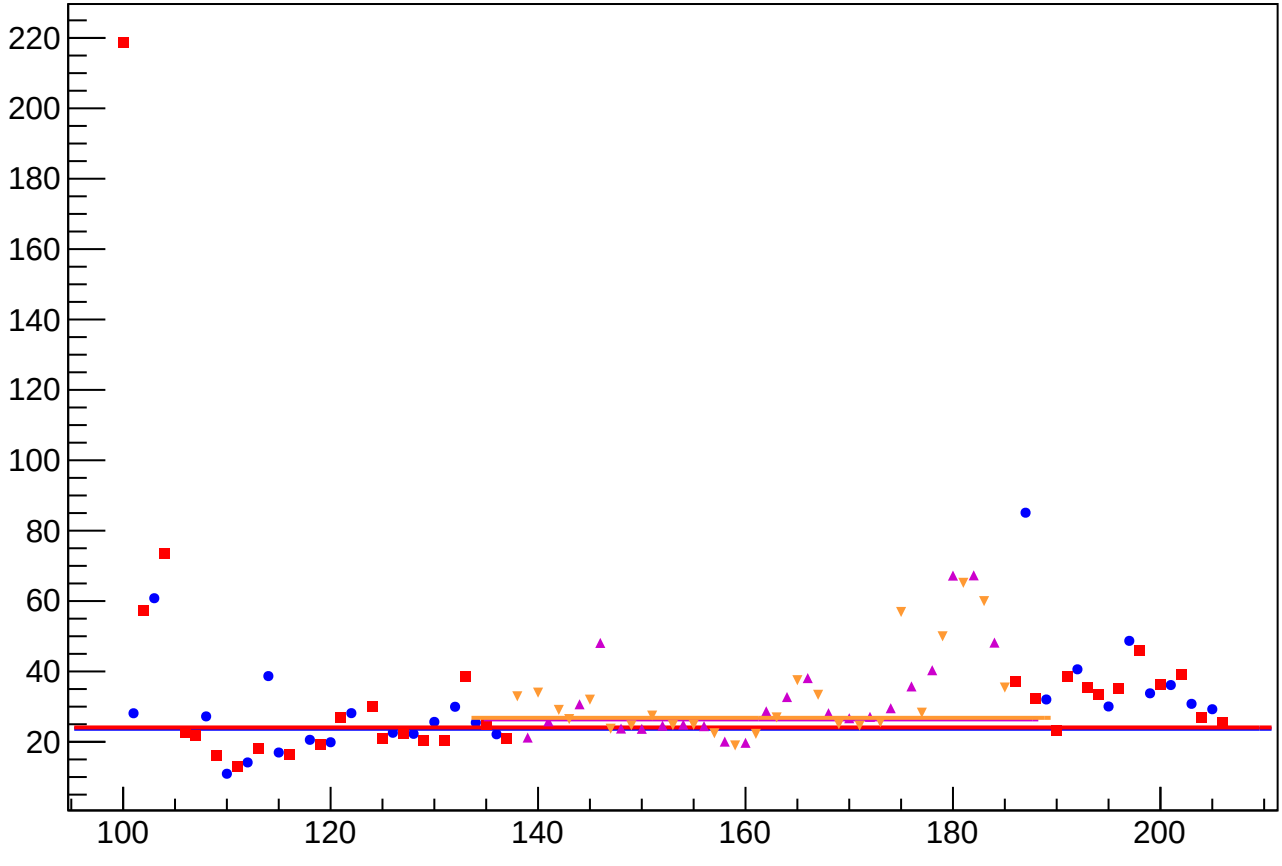
Right: -0.000+/-0.005 χ^2/NDF: 53.0/55

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 114.6/103

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

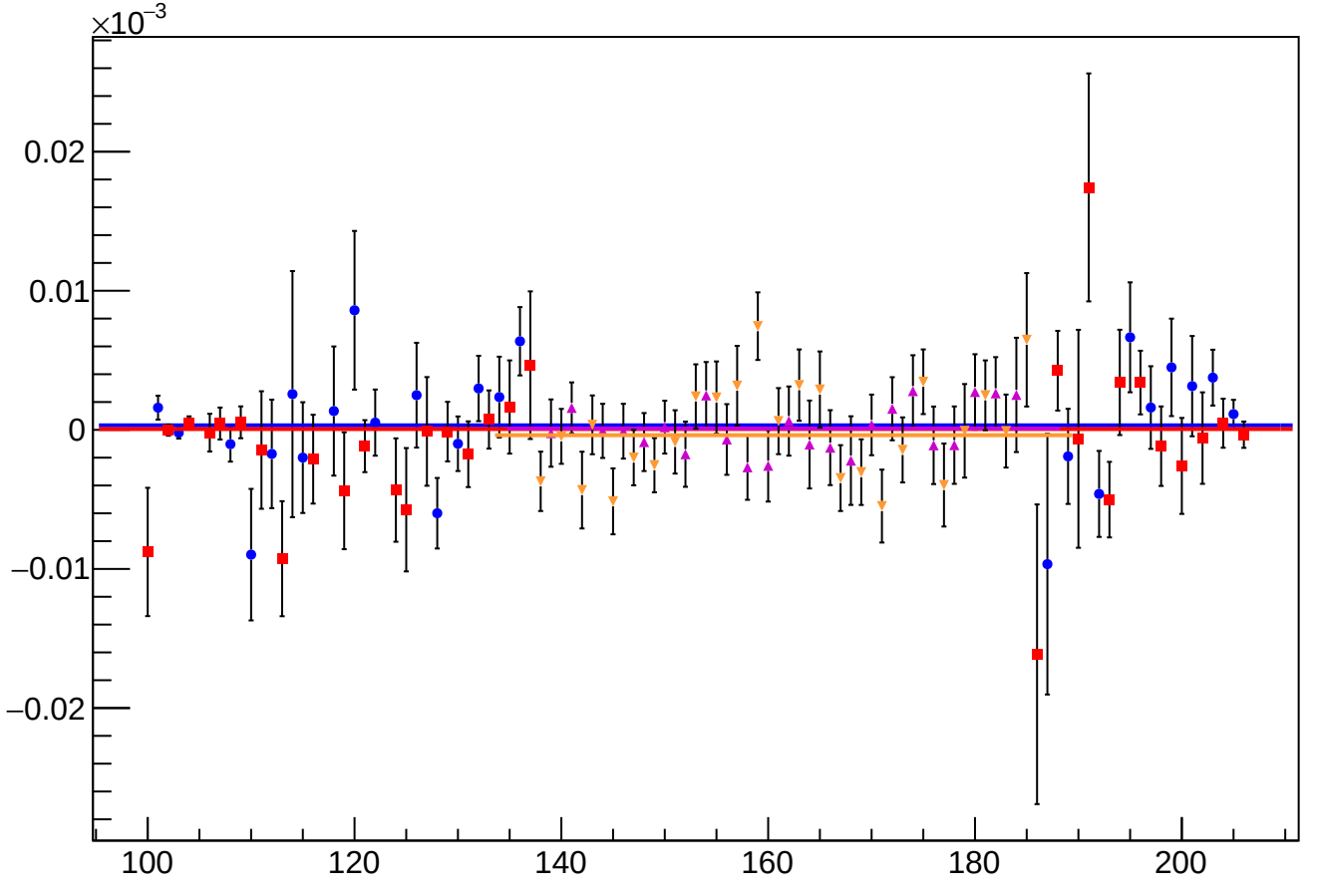
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.914+/-0.003 χ^2/NDF: 7385846.4/55

In: 25.122+/-0.003 χ^2/NDF:6324849.4/47

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.301+/-0.002 χ^2/NDF: 12753001.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

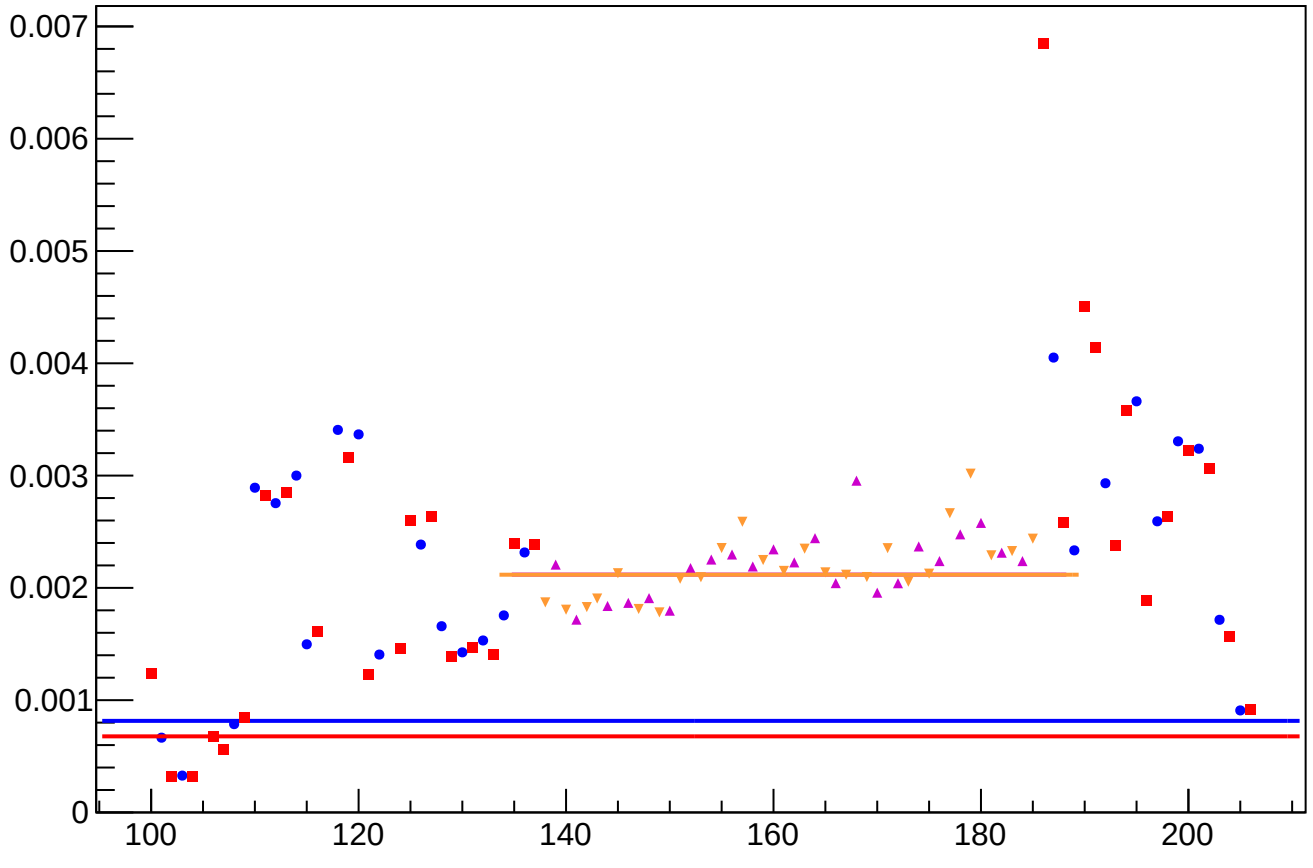
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 72.8/55

In: 0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:77.2/55

All: 0.000+/-0.000 χ^2/NDF: 127.2/103



Right In: 0.001+/-0.000 χ^2/NDF: 12497031.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15999861.2/30

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

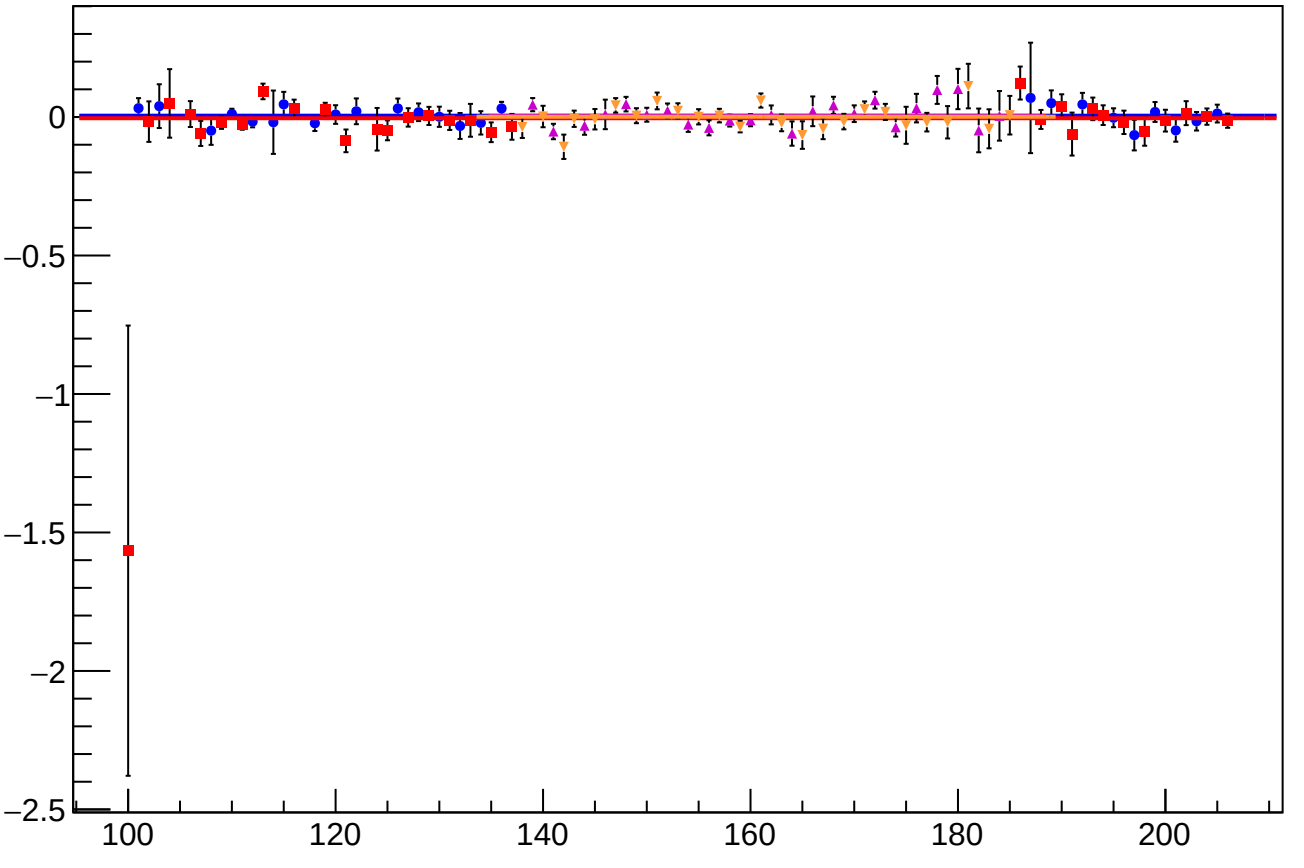
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 28747250.7/55

In: 0.001+/-0.000 χ^2/NDF:22968237.9/47

Out: 0.001+/-0.000 χ^2/NDF:30616165.0/55

All: 0.001+/-0.000 χ^2/NDF: 54319590.7/103



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.2/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

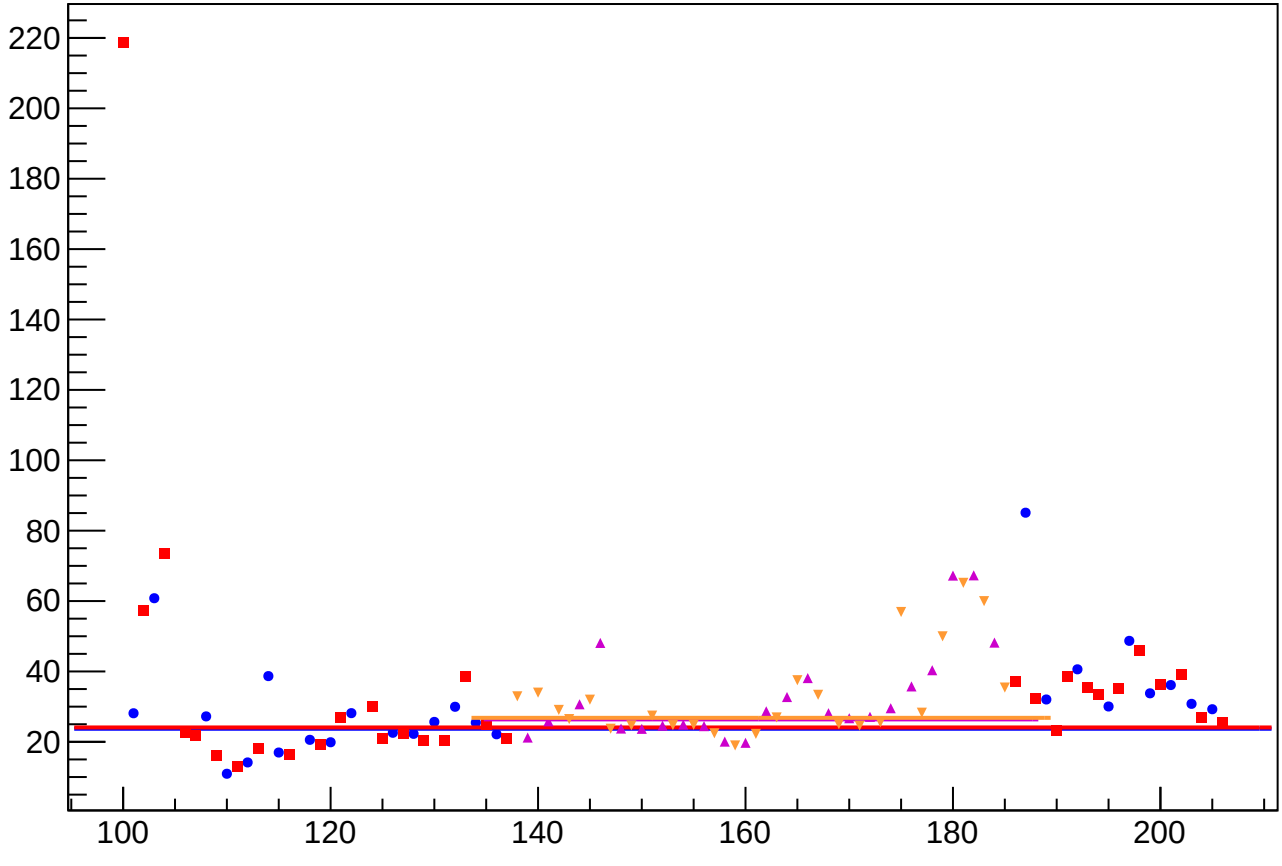
Right: -0.000+/-0.005 χ^2/NDF: 53.0/55

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 114.6/103

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

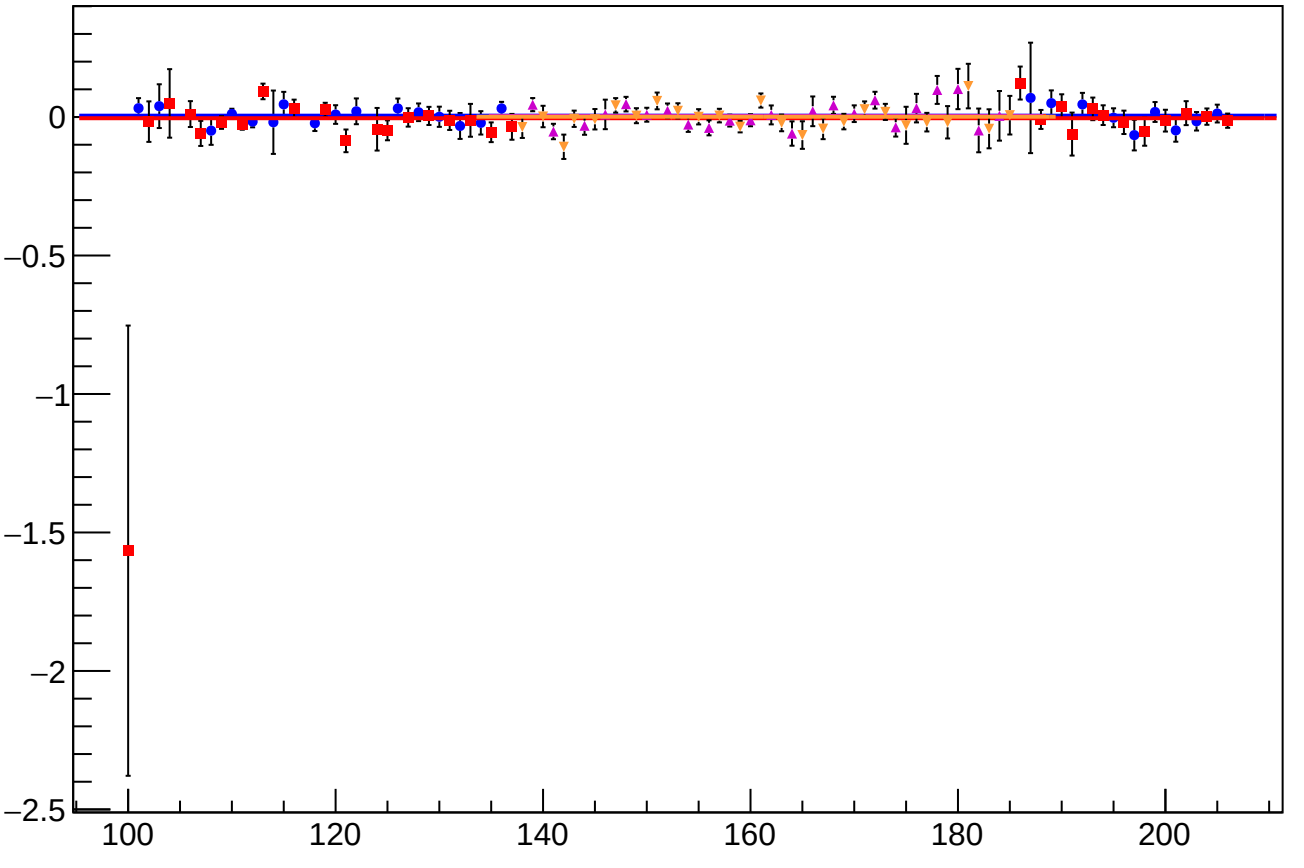
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.914+/-0.003 χ^2/NDF: 7385337.4/55

In: 25.122+/-0.003 χ^2/NDF:6324591.7/47

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.301+/-0.002 χ^2/NDF: 12752555.7/103



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.2/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

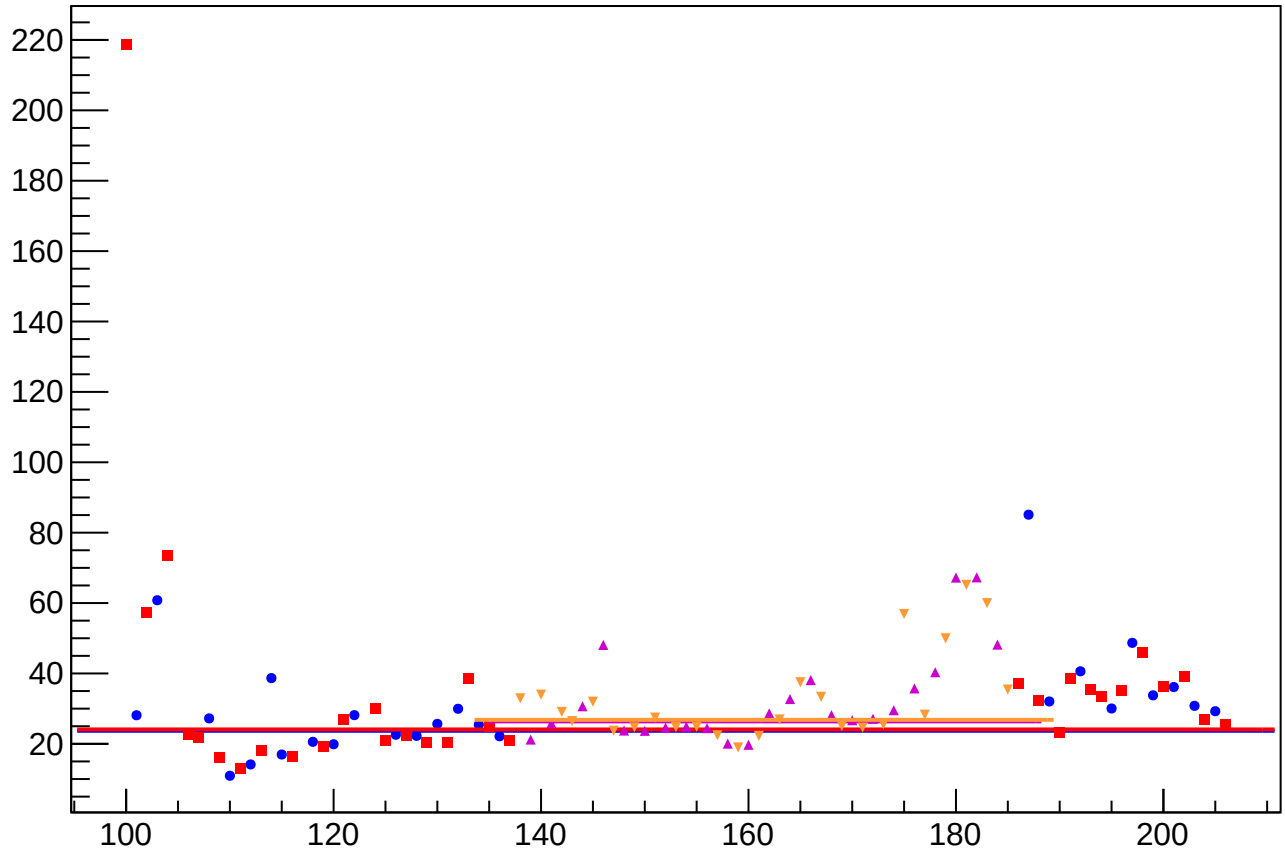
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.000+/-0.005 χ^2/NDF: 53.0/55

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 114.6/103



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

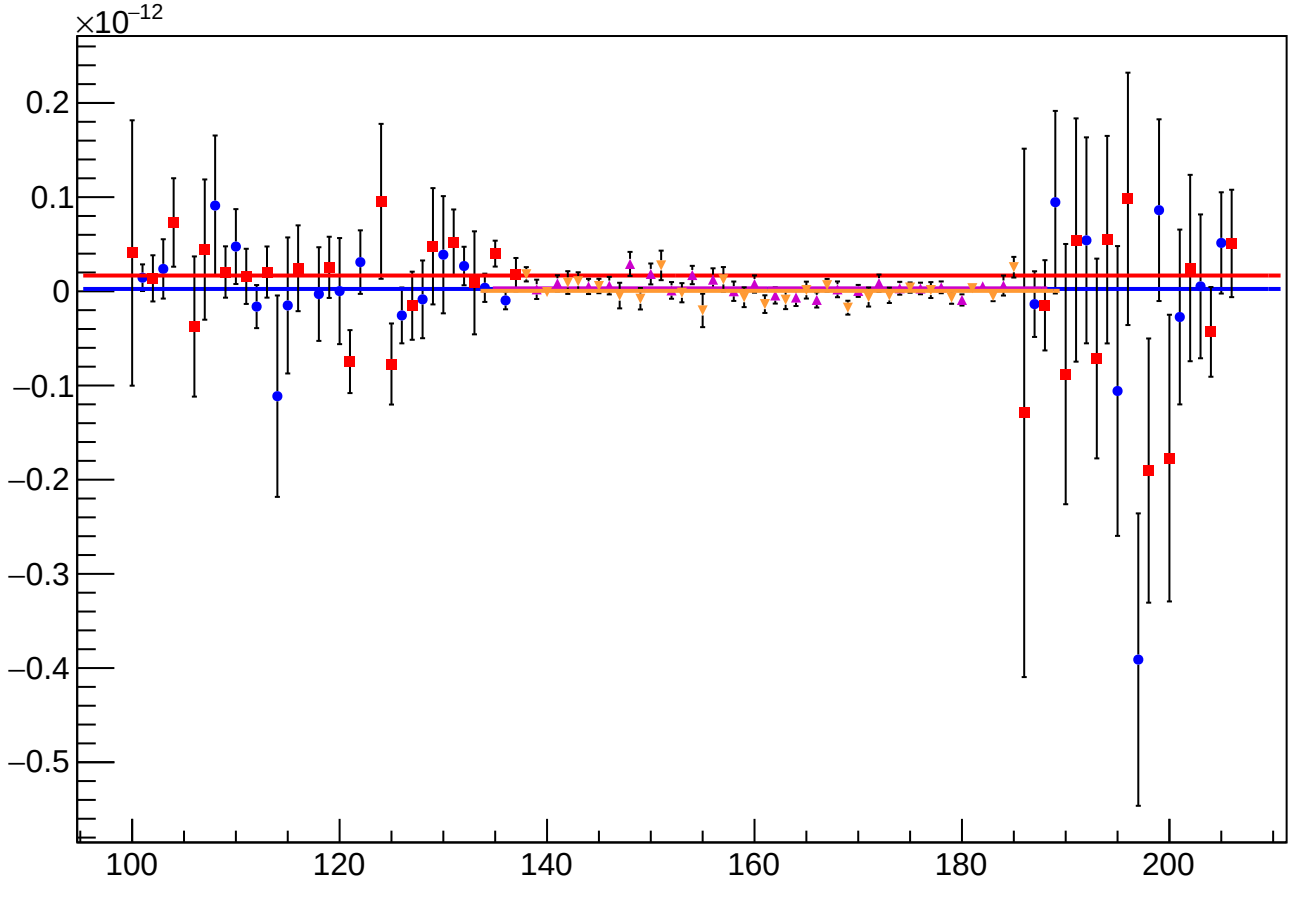
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.914+/-0.003 χ^2/NDF: 7385337.4/55

In: 25.122+/-0.003 χ^2/NDF:6324591.7/47

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.301+/-0.002 χ^2/NDF: 12752555.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

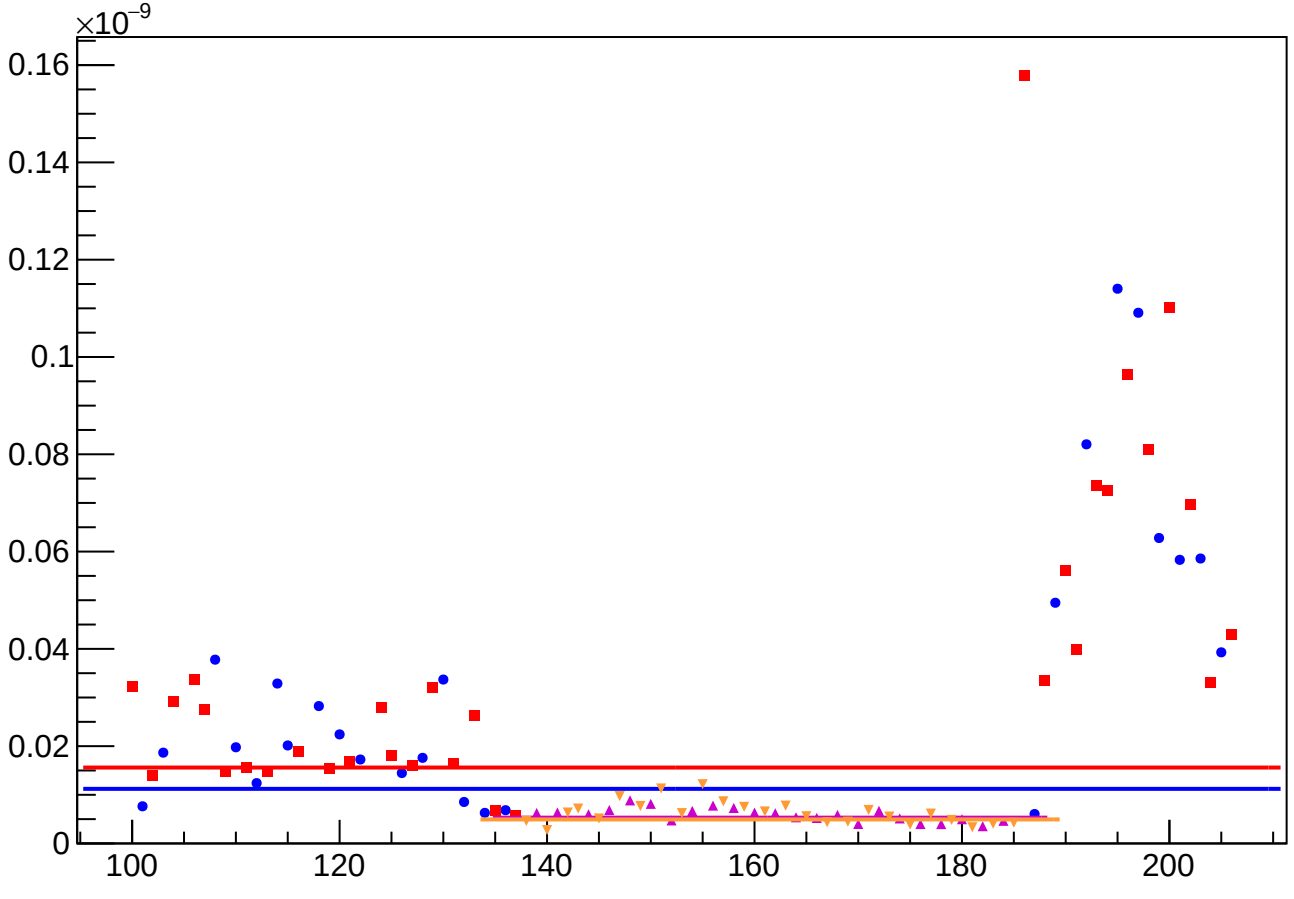
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 52.1/55

In: 0.000+/-0.000 χ^2/NDF:39.9/47

Out: 0.000+/-0.000 χ^2/NDF:66.7/55

All: 0.000+/-0.000 χ^2/NDF: 107.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 7379678.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7549274.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

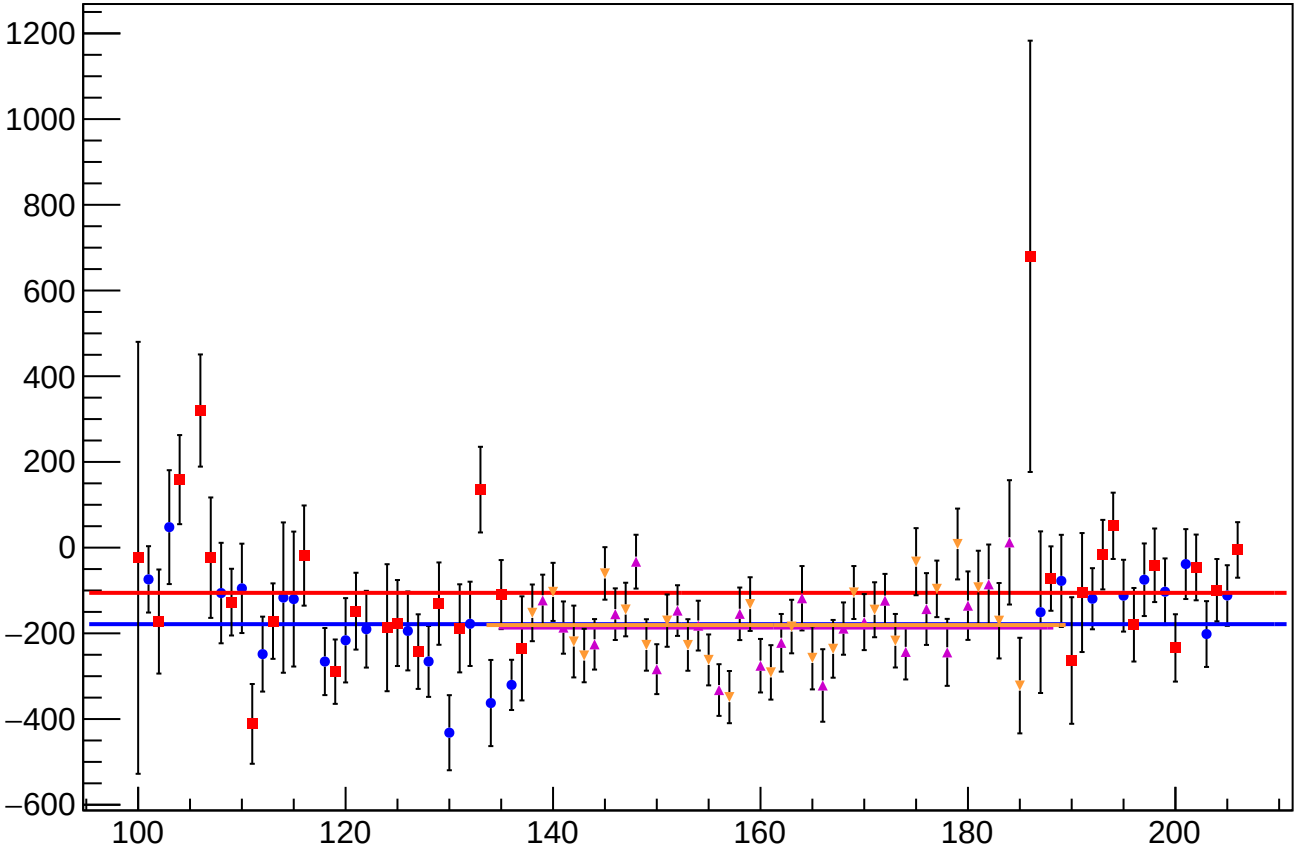
Right: 0.000+/-0.000 χ^2/NDF: 15429732.5/55

In: 0.000+/-0.000 χ^2/NDF:10715941.3/47

Out: 0.000+/-0.000 χ^2/NDF:15005516.1/55

All: 0.000+/-0.000 χ^2/NDF: 25761110.8/103

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.578+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.511+/-16.933 χ^2/NDF: 62.9/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

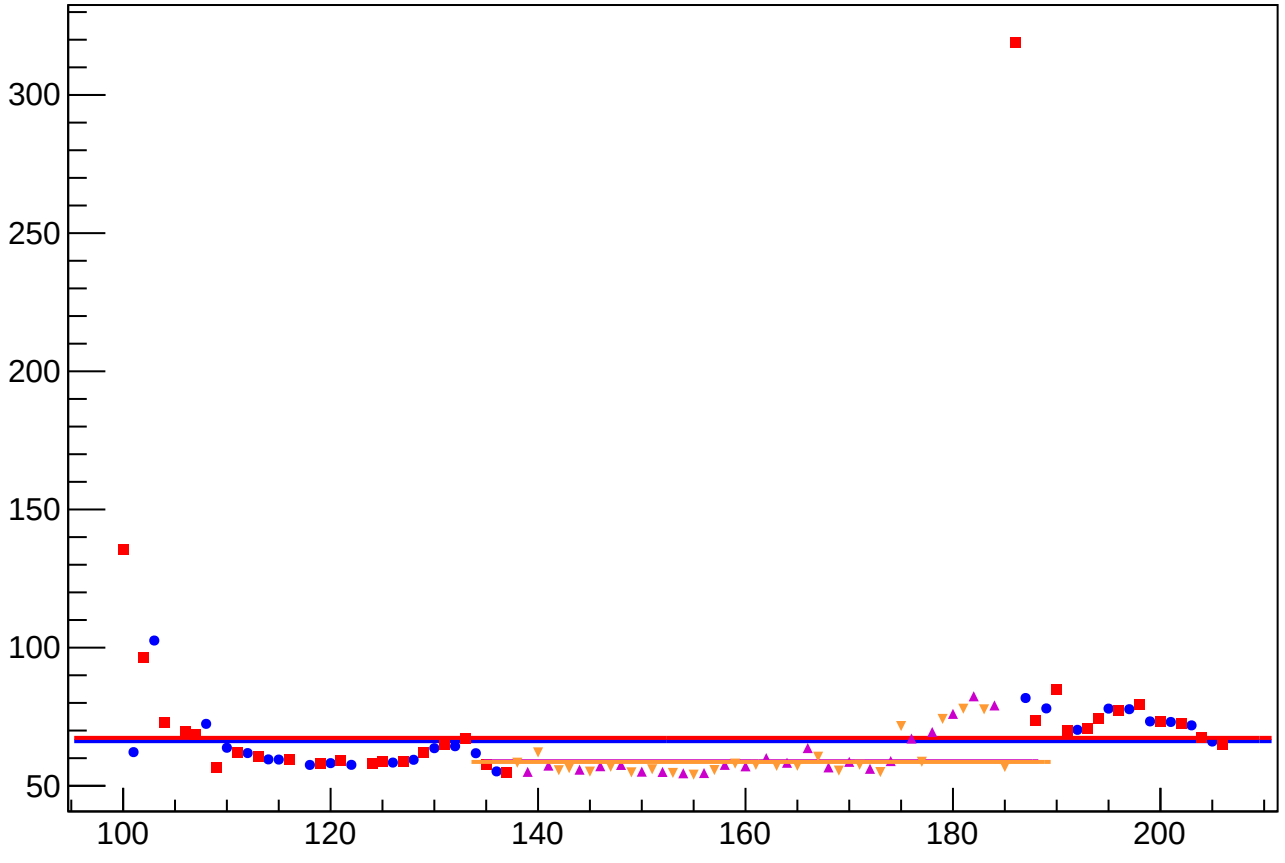
Right: -140.184+/-12.275 χ^2/NDF: 107.1/55

In: -183.556+/-10.940 χ^2/NDF:64.5/47

Out: -151.688+/-10.517 χ^2/NDF:113.6/55

All: -166.993+/-7.582 χ^2/NDF: 182.5/103

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496353.4/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.351+/-0.012 χ^2/NDF: 1020995.5/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

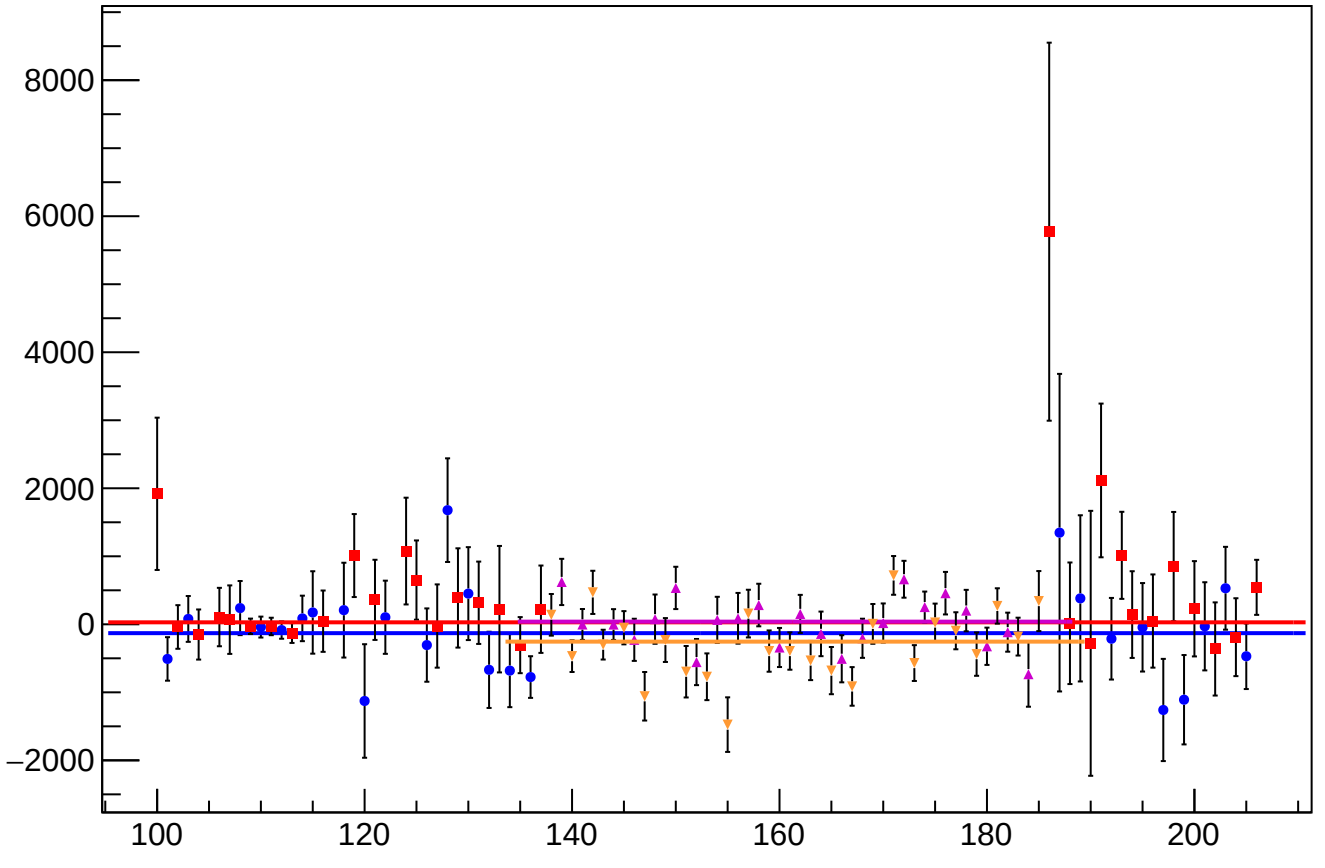
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.783+/-0.009 χ^2/NDF: 1522087.1/55

In: 61.638+/-0.008 χ^2/NDF:1089360.7/47

Out: 62.002+/-0.007 χ^2/NDF:1739693.4/55

All: 61.828+/-0.005 χ^2/NDF: 2830205.4/103



Right In: -130.010+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 29.118+/-60.972 χ^2/NDF: 25.2/30

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

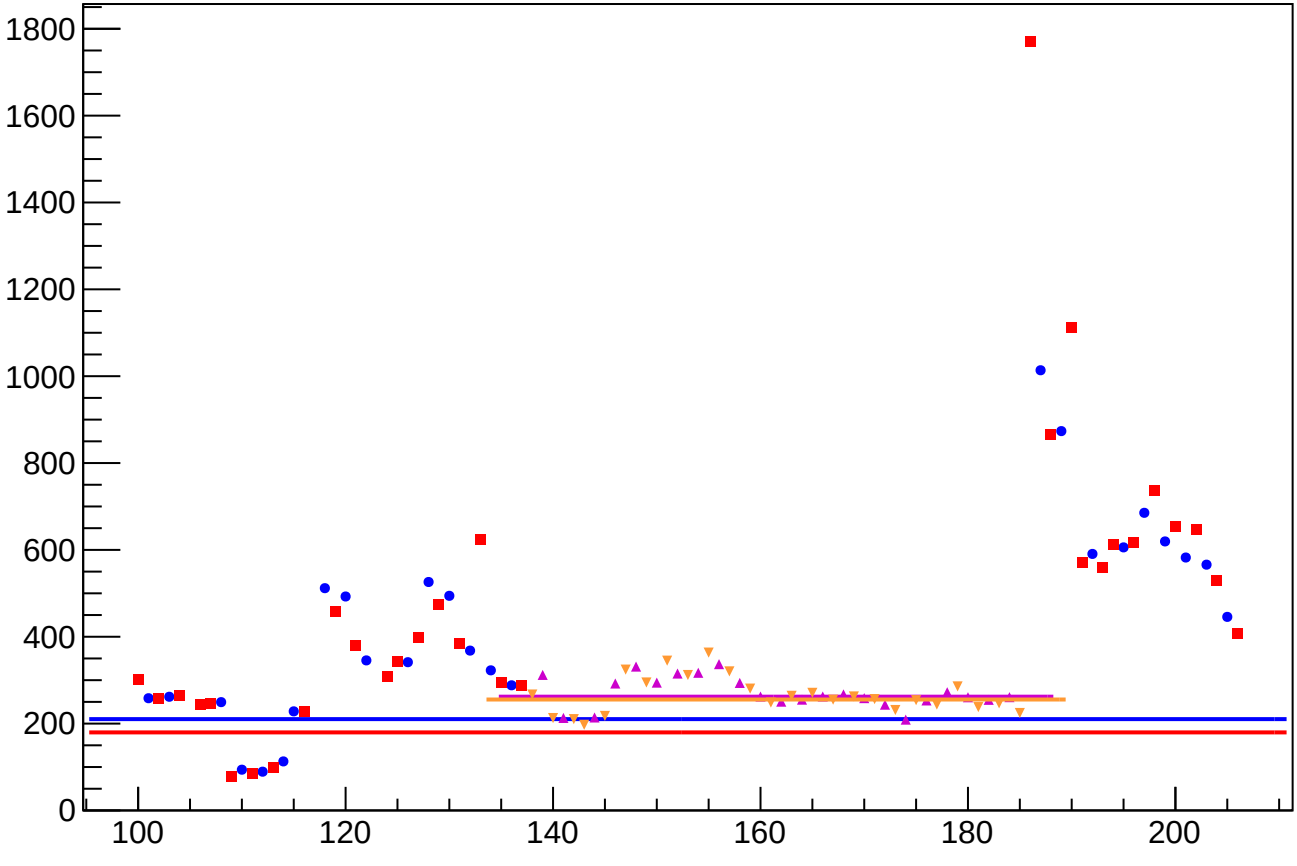
Right: -37.083+/-46.593 χ^2/NDF: 53.4/55

In: -32.449+/-46.996 χ^2/NDF:56.8/47

Out: -117.714+/-42.353 χ^2/NDF:94.1/55

All: -79.500+/-31.462 χ^2/NDF: 152.7/103

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 210.332+/-0.051 χ^2/NDF: 10915297.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 179.732+/-0.043 χ^2/NDF: 15102730.5/30

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

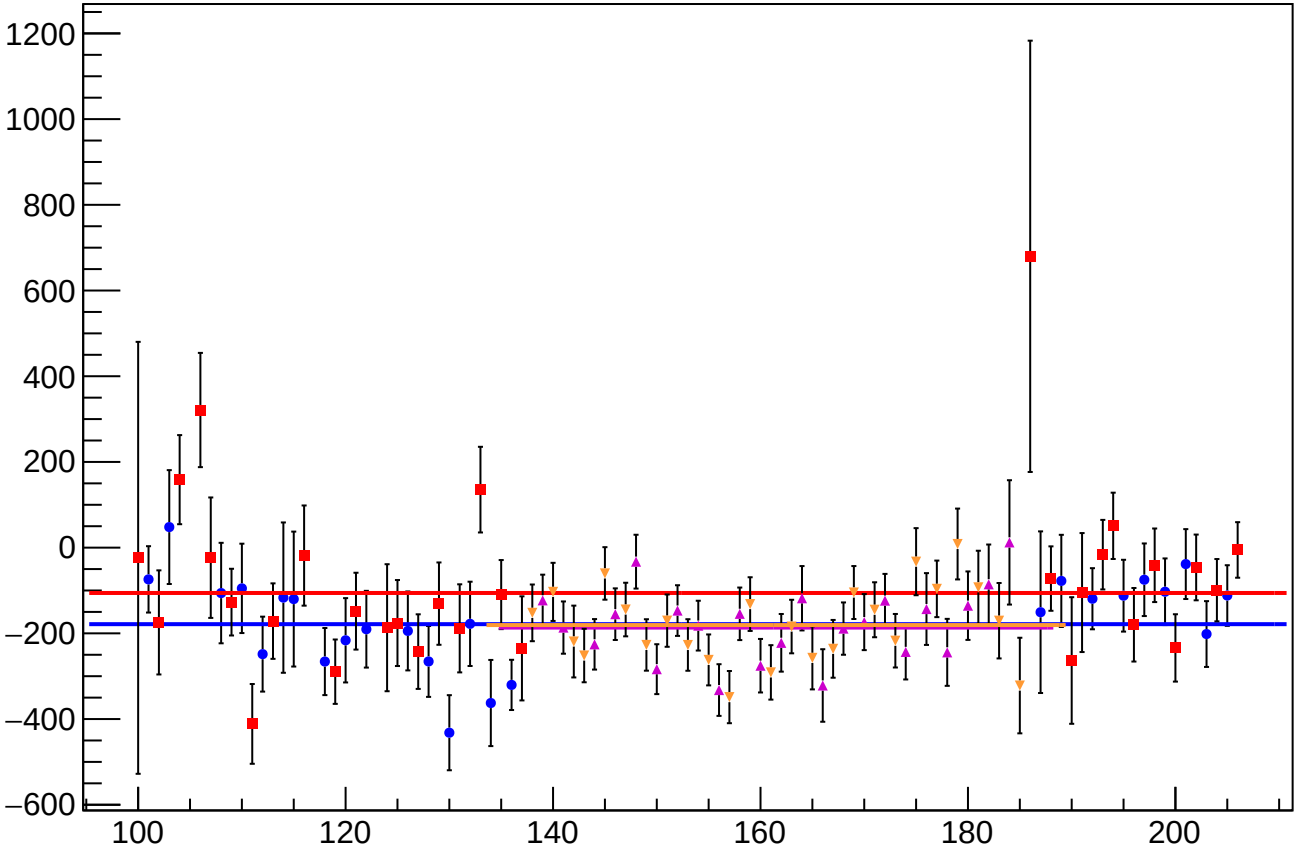
Right: 192.462+/-0.033 χ^2/NDF: 26227600.3/55

In: 240.136+/-0.033 χ^2/NDF:12176150.7/47

Out: 218.924+/-0.030 χ^2/NDF:17563541.9/55

All: 228.430+/-0.022 χ^2/NDF: 29964516.8/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.786+/-16.938 χ^2/NDF: 62.6/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

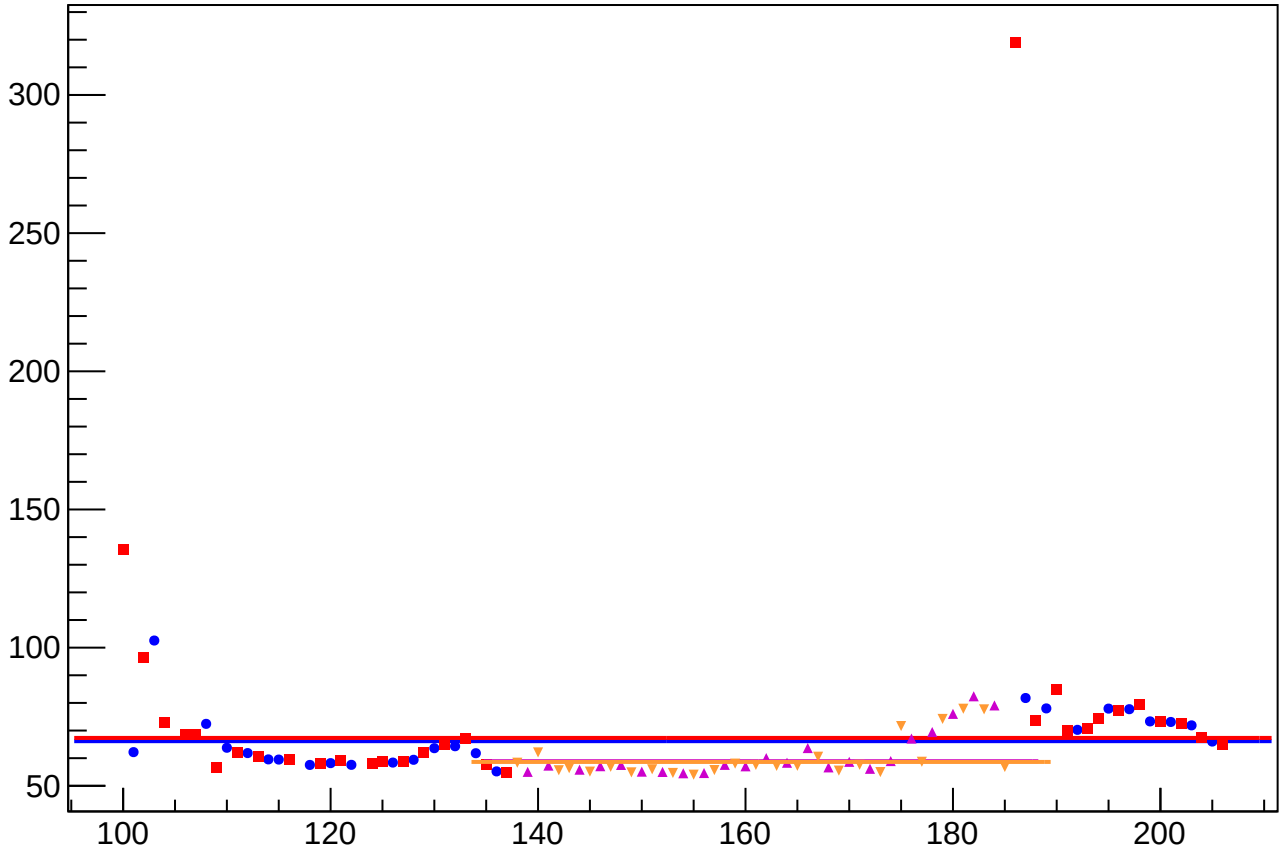
Right: -140.339+/-12.277 χ^2/NDF: 106.7/55

In: -183.555+/-10.940 χ^2/NDF:64.5/47

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -167.054+/-7.582 χ^2/NDF: 182.1/103

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

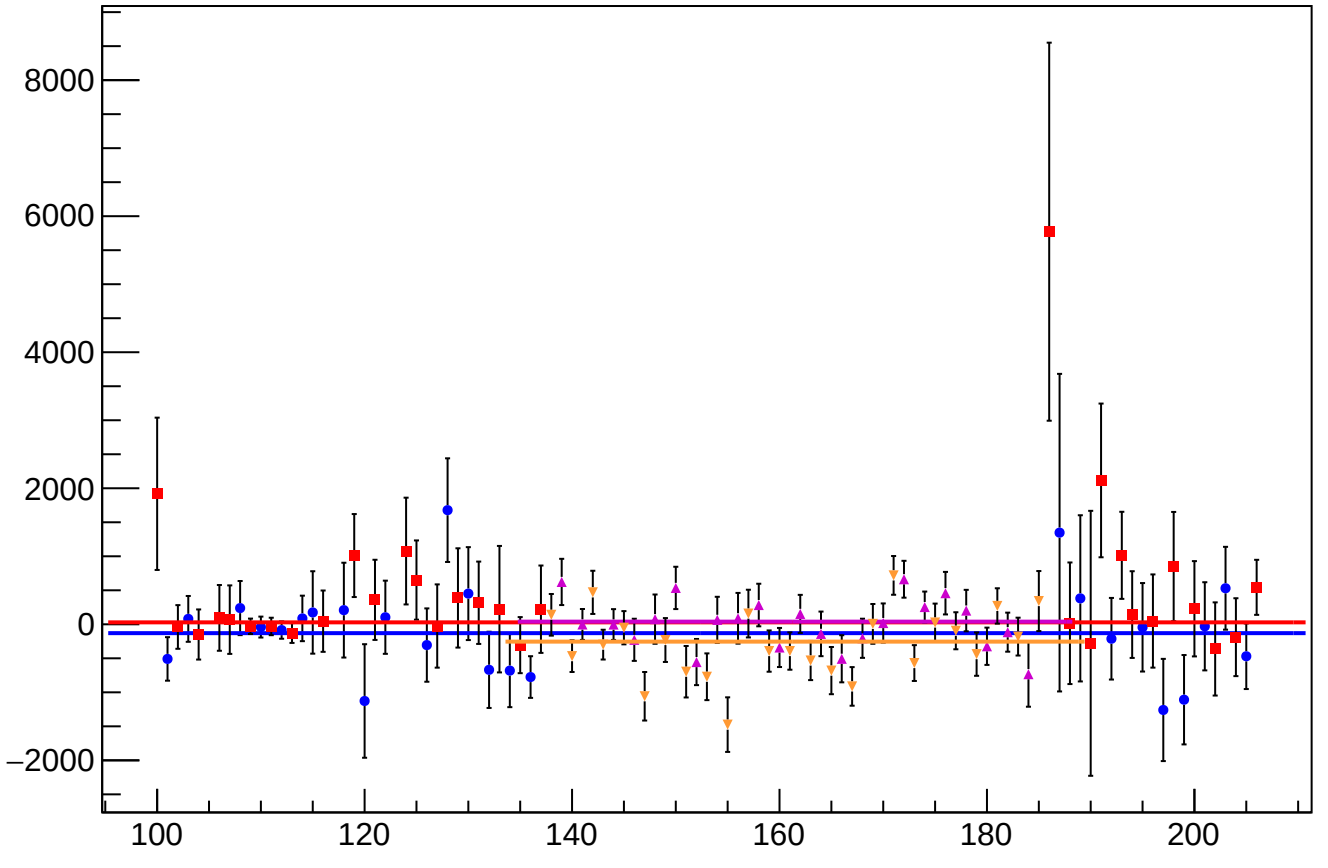
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.772+/-0.009 χ^2/NDF: 1521653.7/55

In: 61.638+/-0.008 χ^2/NDF:1089363.3/47

Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.823+/-0.005 χ^2/NDF: 2828265.3/103



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 28.609+/-61.104 χ^2/NDF: 25.2/30

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

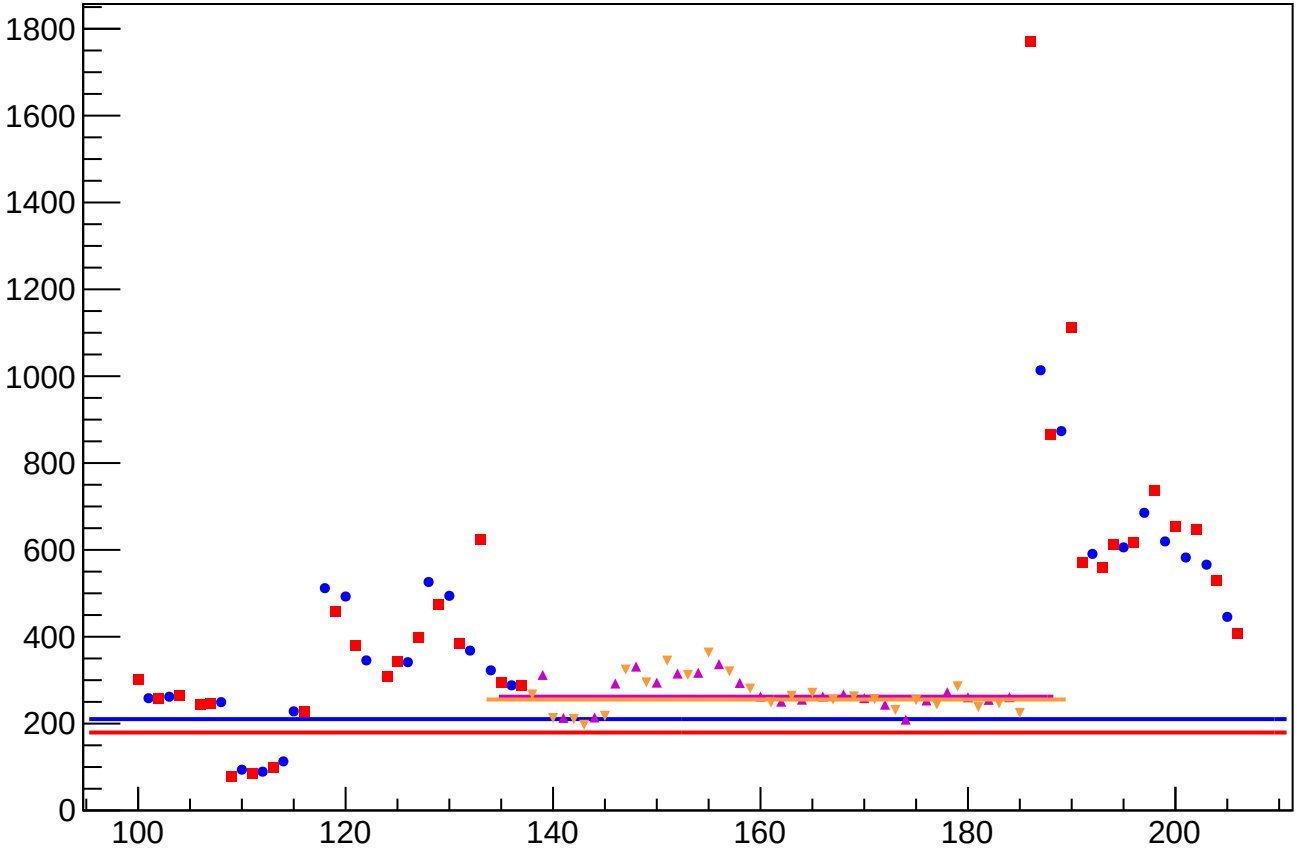
Right: -37.540+/-46.652 χ^2/NDF: 53.3/55

In: -32.443+/-46.997 χ^2/NDF:56.8/47

Out: -118.264+/-42.397 χ^2/NDF:94.0/55

All: -79.757+/-31.480 χ^2/NDF: 152.7/103

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

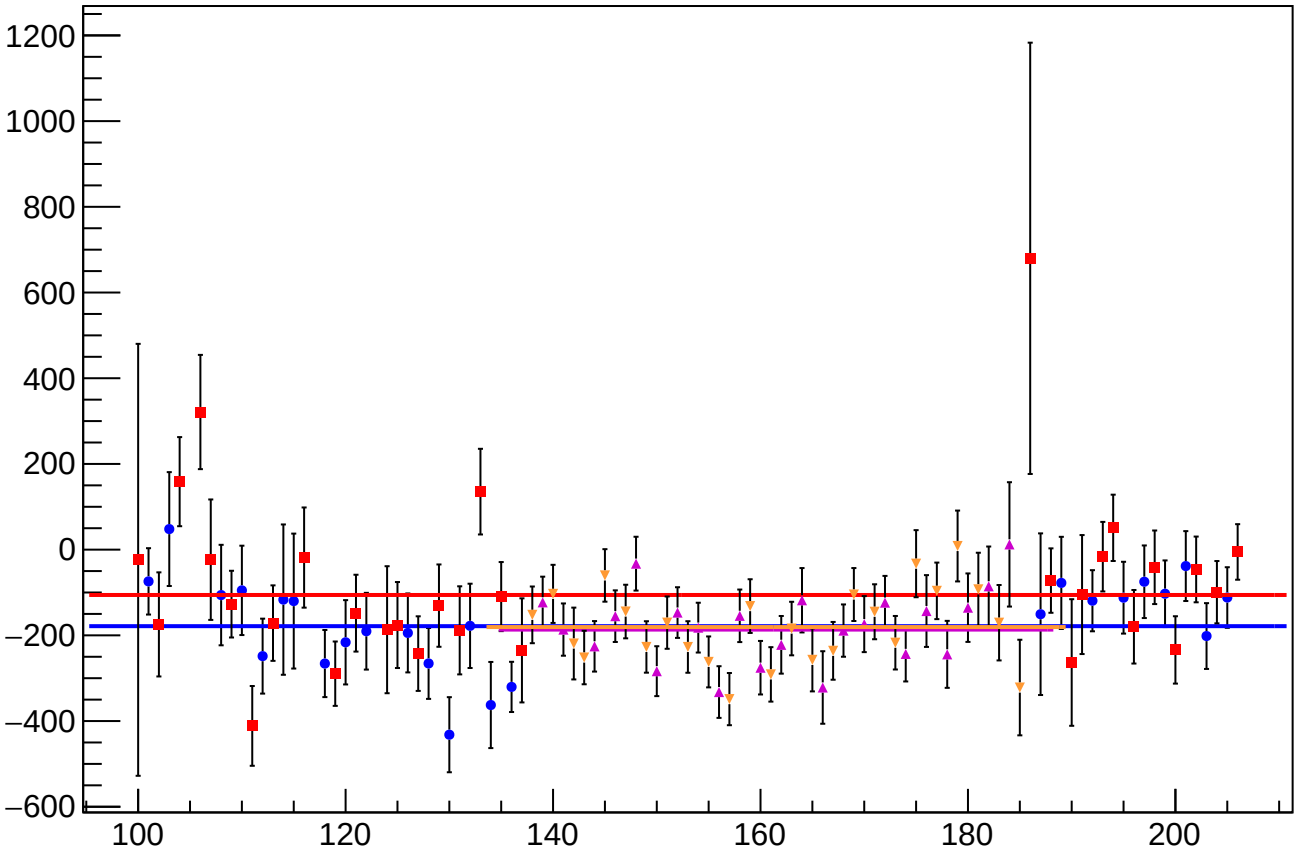
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 192.337+/-0.033 χ^2/NDF: 26222292.1/55

In: 240.136+/-0.033 χ^2/NDF:12176171.6/47

Out: 218.876+/-0.030 χ^2/NDF:17562672.1/55

All: 228.415+/-0.022 χ^2/NDF: 29964494.6/10



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.786+/-16.938 χ^2/NDF: 62.6/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

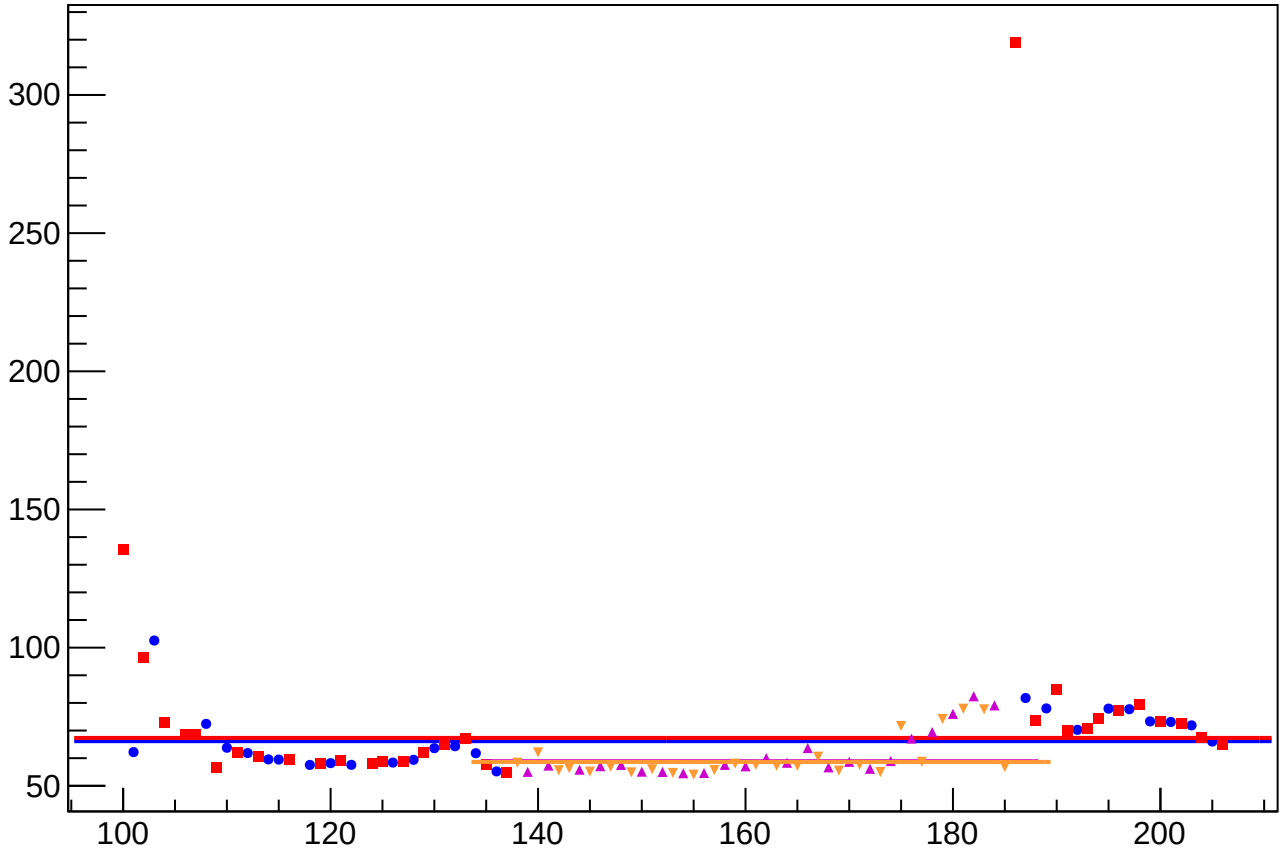
Right: -140.339+/-12.277 χ^2/NDF: 106.7/55

In: -183.555+/-10.940 χ^2/NDF:64.5/47

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -167.054+/-7.582 χ^2/NDF: 182.1/103

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

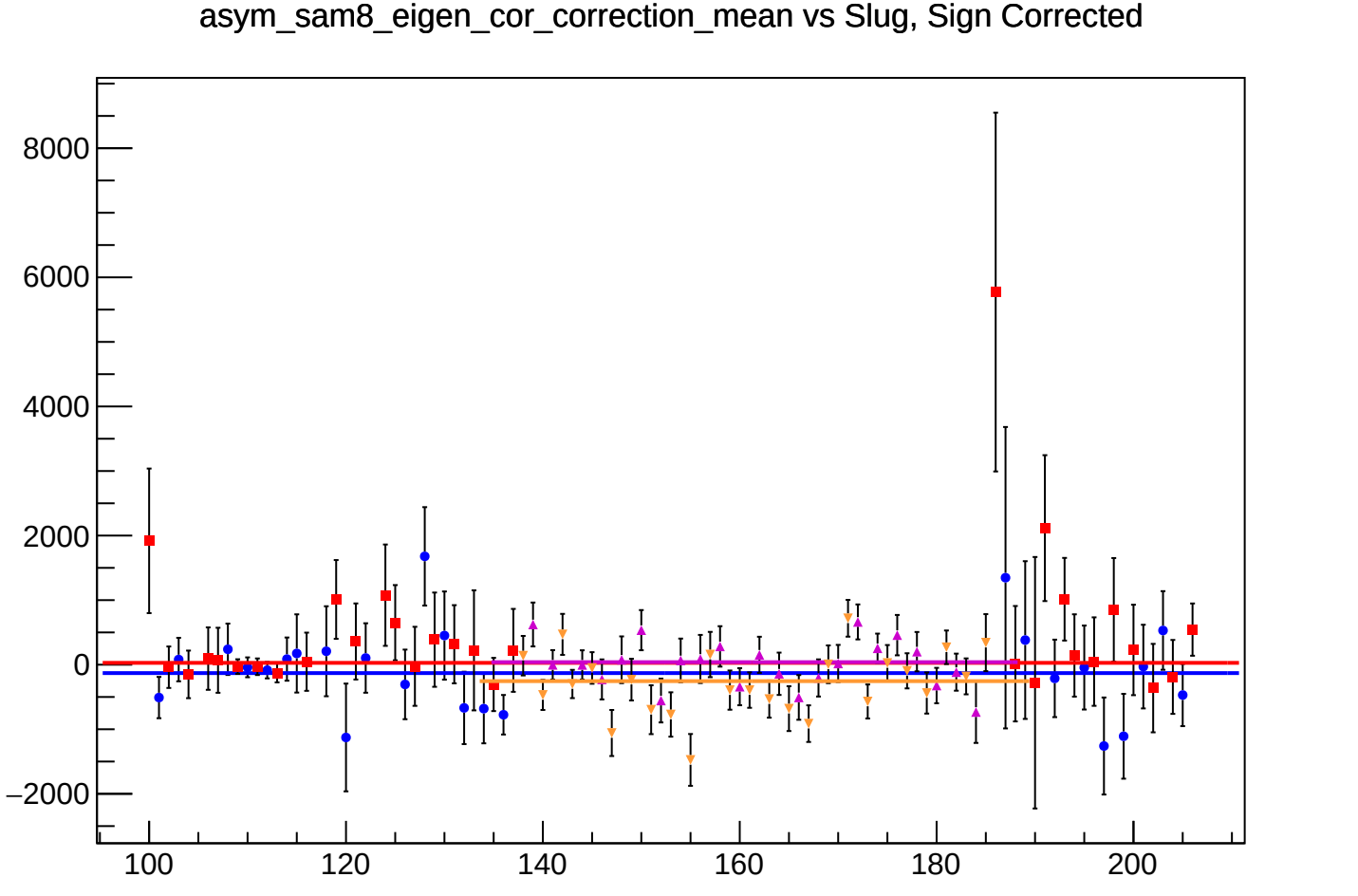
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

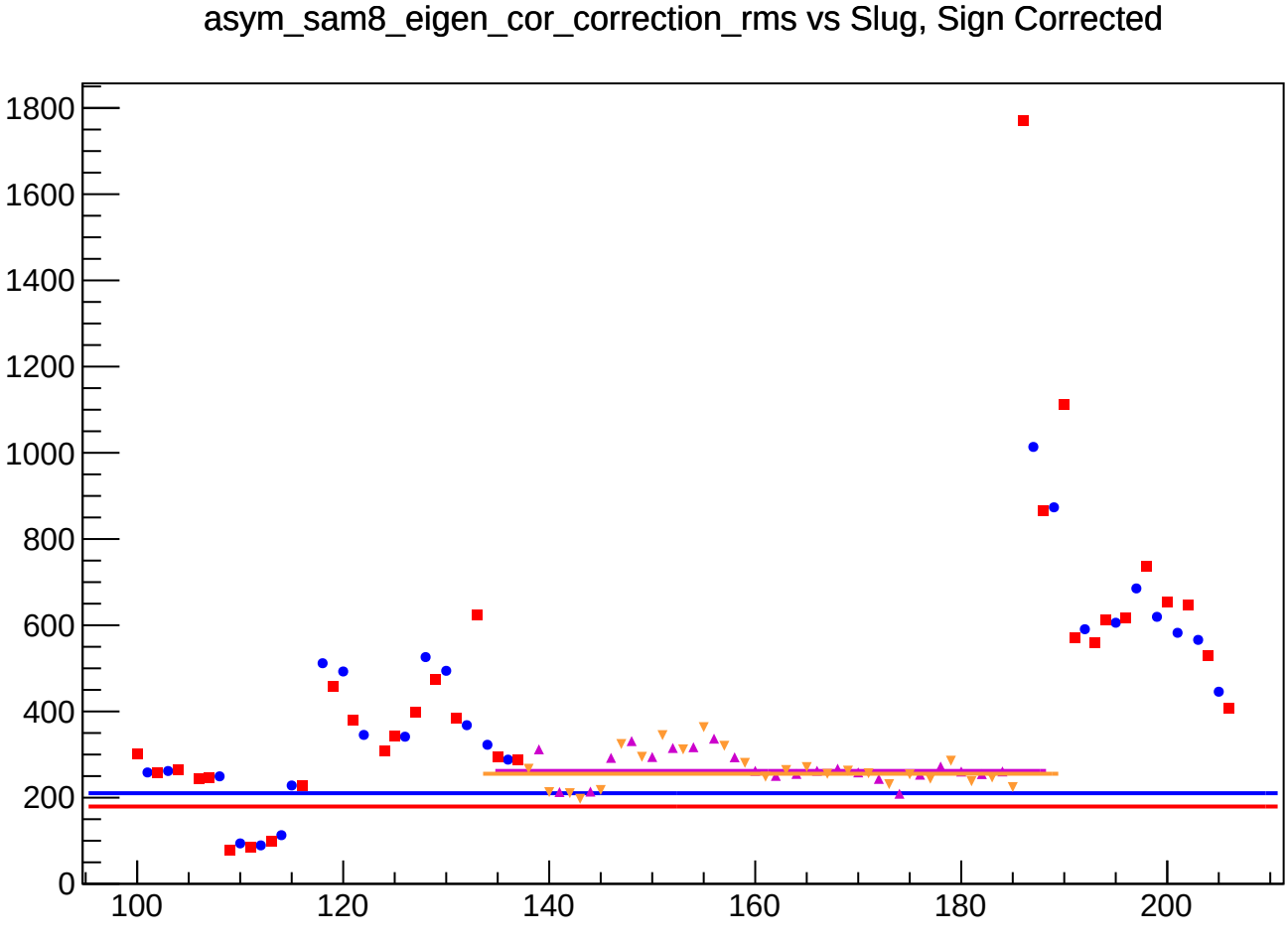
Right: 66.772+/-0.009 χ^2/NDF: 1521653.7/55

In: 61.638+/-0.008 χ^2/NDF:1089363.3/47

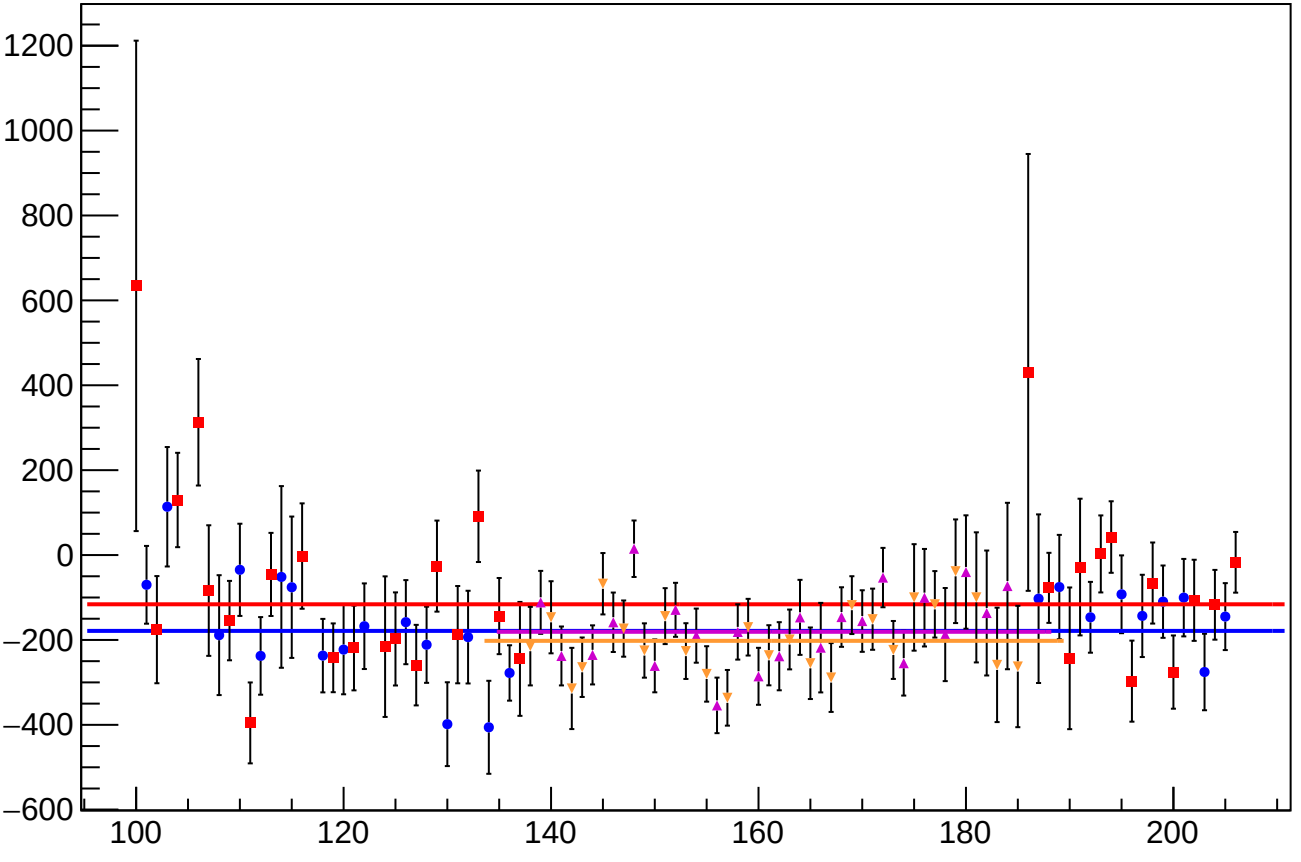
Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.823+/-0.005 χ^2/NDF: 2828265.3/103


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -129.993+/-72.238 χ²/NDF: 25.3/24
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 28.609+/-61.104 χ²/NDF: 25.2/30
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -37.540+/-46.652 χ²/NDF: 53.3/55
In: -32.443+/-46.997 χ²/NDF:56.8/47
Out: -118.264+/-42.397 χ²/NDF:94.0/55
All: -79.757+/-31.480 χ²/NDF: 152.7/103


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 210.332+/-0.051 χ²/NDF: 10915337.1/24
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 179.461+/-0.043 χ²/NDF: 15094037.1/30
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 192.337+/-0.033 χ²/NDF: 26222292.1/55
In: 240.136+/-0.033 χ²/NDF:12176171.6/47
Out: 218.876+/-0.030 χ²/NDF:17562672.1/55
All: 228.415+/-0.022 χ²/NDF: 29964494.6/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.982+/-18.784 χ^2/NDF: 54.4/30

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

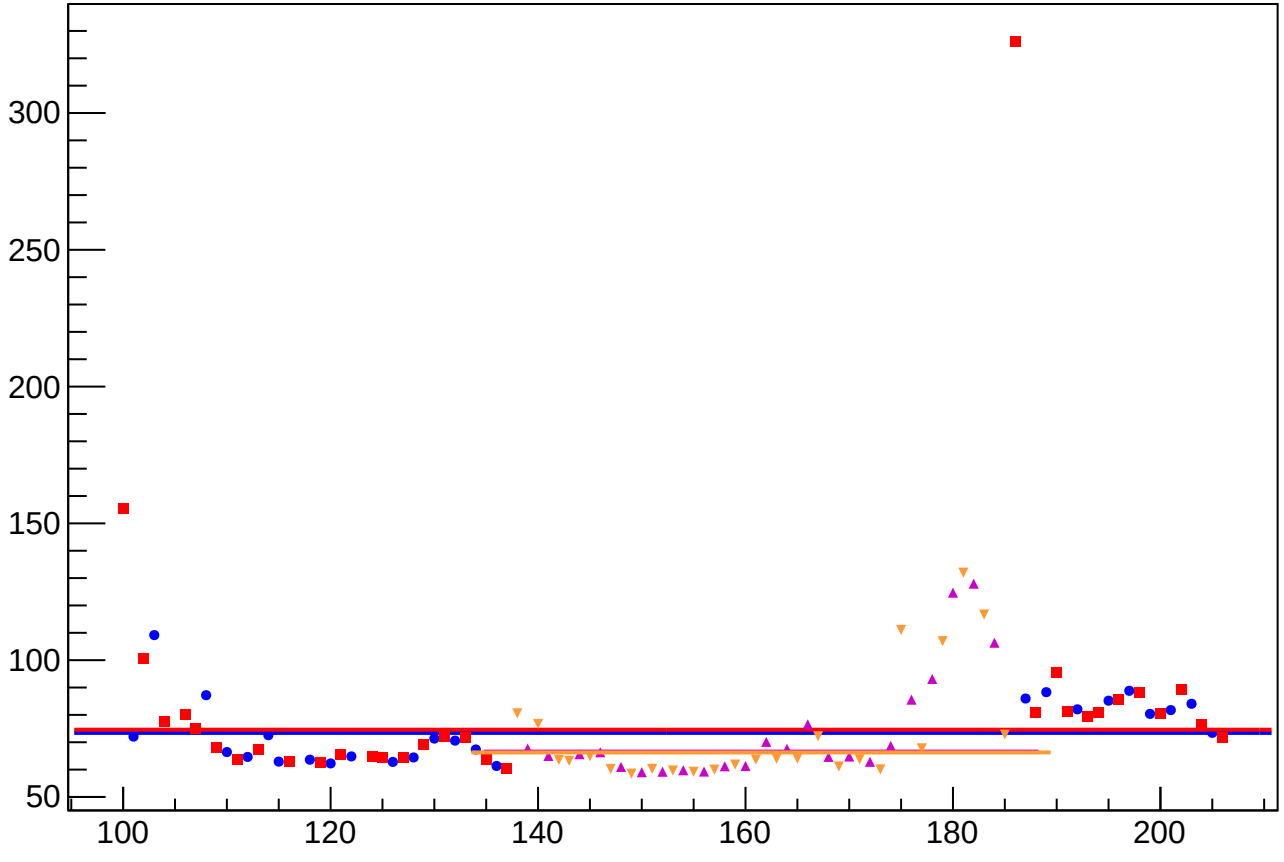
Right: -145.597+/-13.644 χ^2/NDF: 85.5/55

In: -179.950+/-12.466 χ^2/NDF:55.9/47

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -173.270+/-8.635 χ^2/NDF: 144.9/103

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.416+/-0.014 χ^2/NDF: 565884.3/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028014.9/30

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

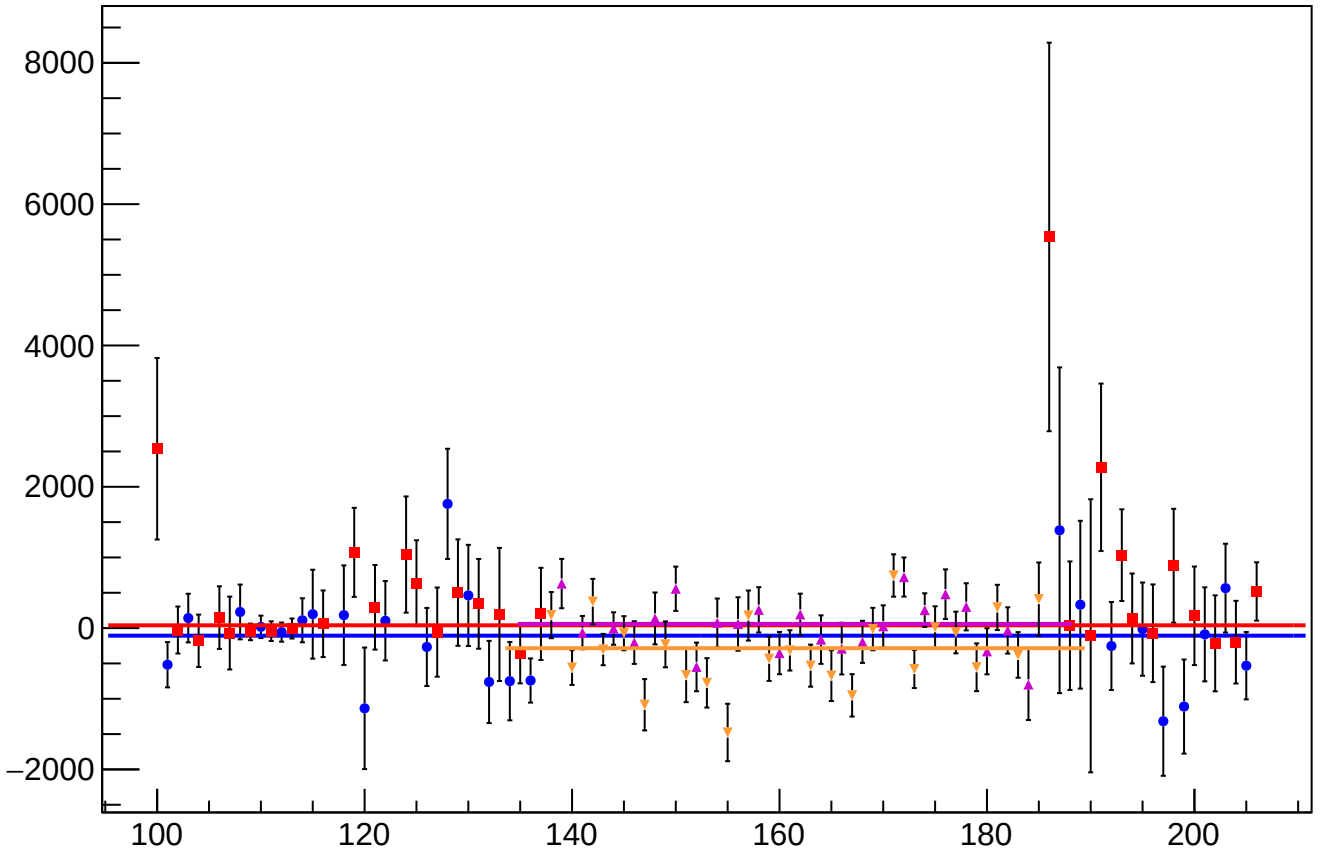
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 74.032+/-0.010 χ^2/NDF: 1597553.0/55

In: 69.279+/-0.009 χ^2/NDF:1867521.8/47

Out: 69.653+/-0.008 χ^2/NDF:2654009.6/55

All: 69.473+/-0.006 χ^2/NDF: 4522466.8/103



Right In: -106.905+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 39.813+/-62.744 χ^2/NDF: 25.0/30

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

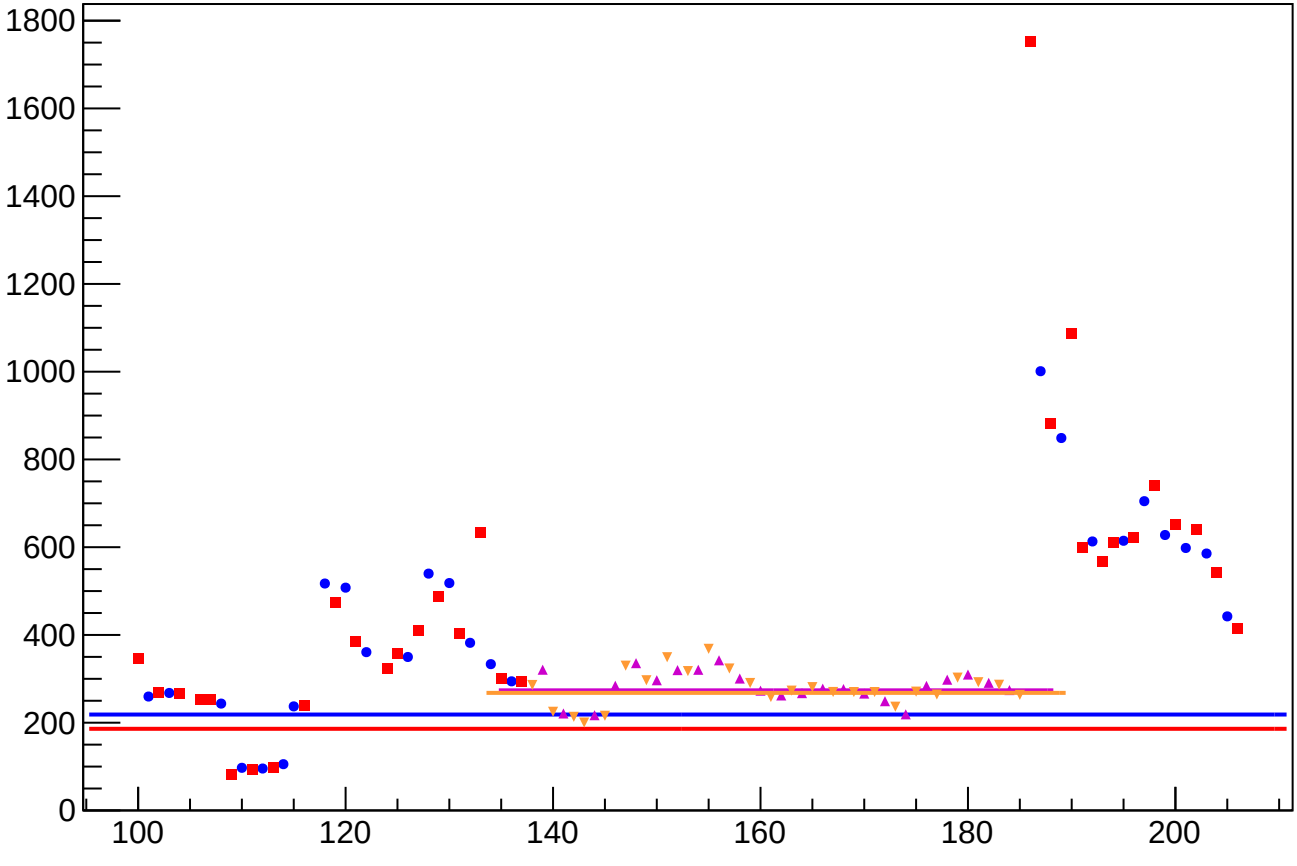
Right: -21.123+/-47.976 χ^2/NDF: 53.9/55

In: -12.219+/-48.807 χ^2/NDF:56.3/47

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -74.413+/-32.681 χ^2/NDF: 152.5/103

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 218.604+/-0.053 χ^2/NDF: 10678017.0/24

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893647.5/30

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

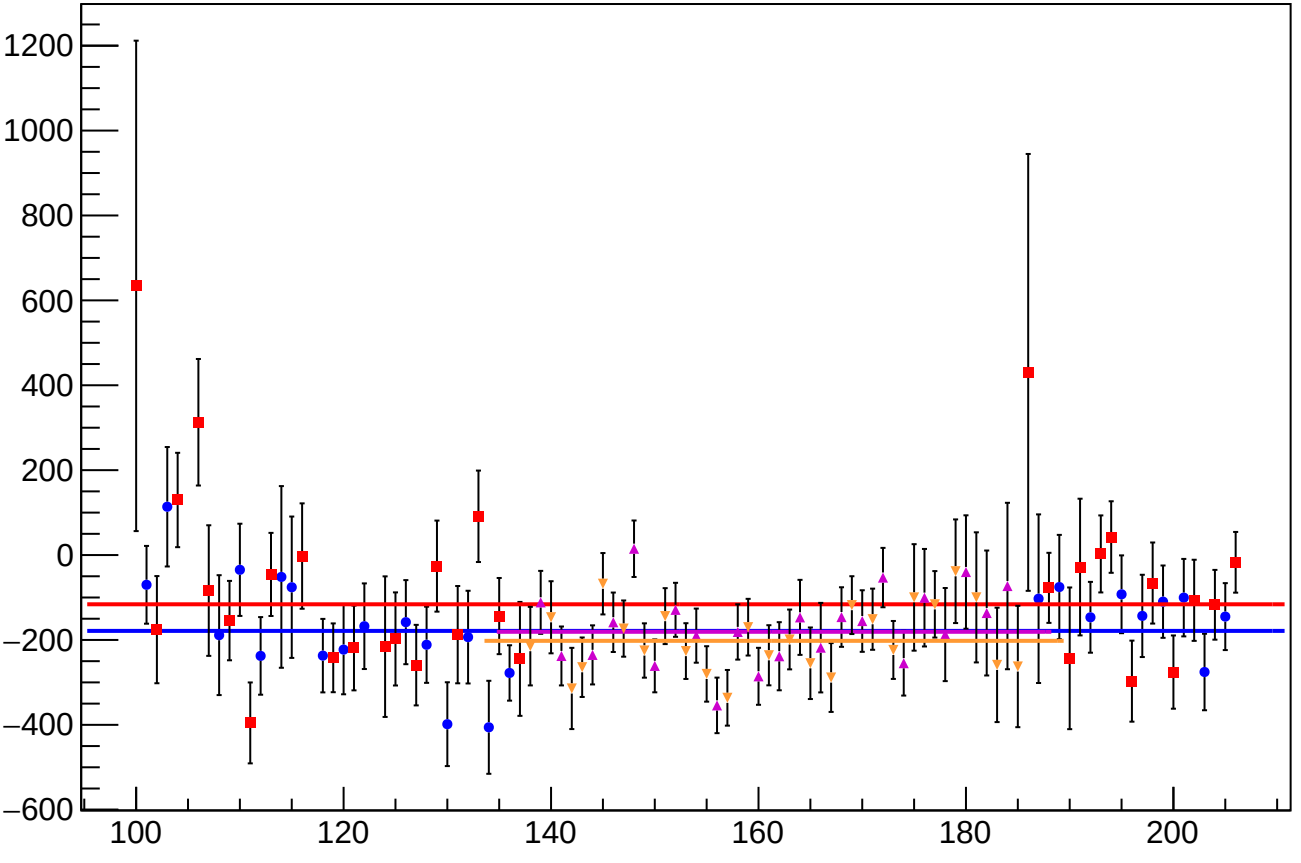
Right: 199.591+/-0.034 χ^2/NDF: 25794796.4/55

In: 250.047+/-0.035 χ^2/NDF:11954072.6/47

Out: 227.704+/-0.031 χ^2/NDF:17488110.2/55

All: 237.722+/-0.023 χ^2/NDF: 29673394.8/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.982+/-18.784 χ^2/NDF: 54.4/30

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

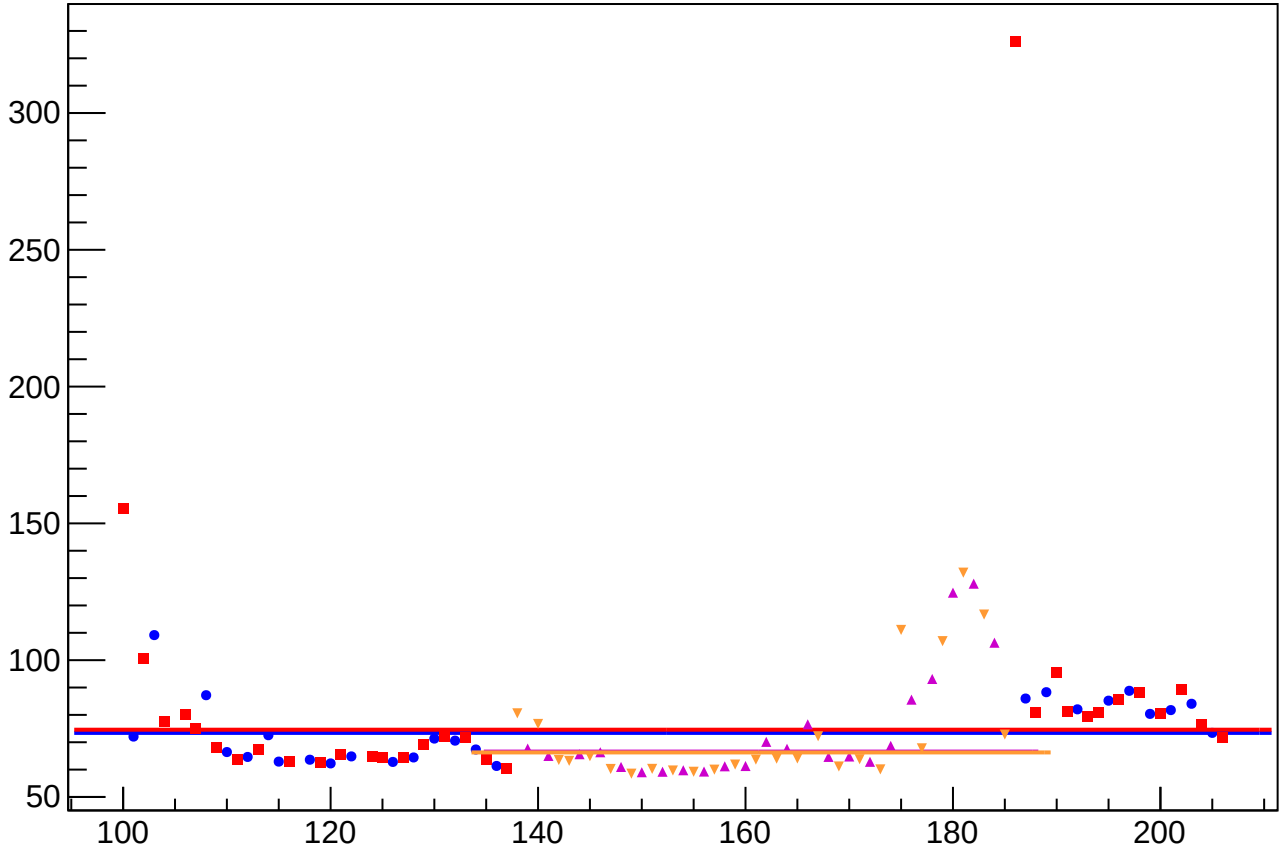
Right: -145.597+/-13.644 χ^2/NDF: 85.5/55

In: -179.951+/-12.466 χ^2/NDF:55.9/47

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -173.270+/-8.635 χ^2/NDF: 144.9/103

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.014 χ^2/NDF: 565888.6/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028020.0/30

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

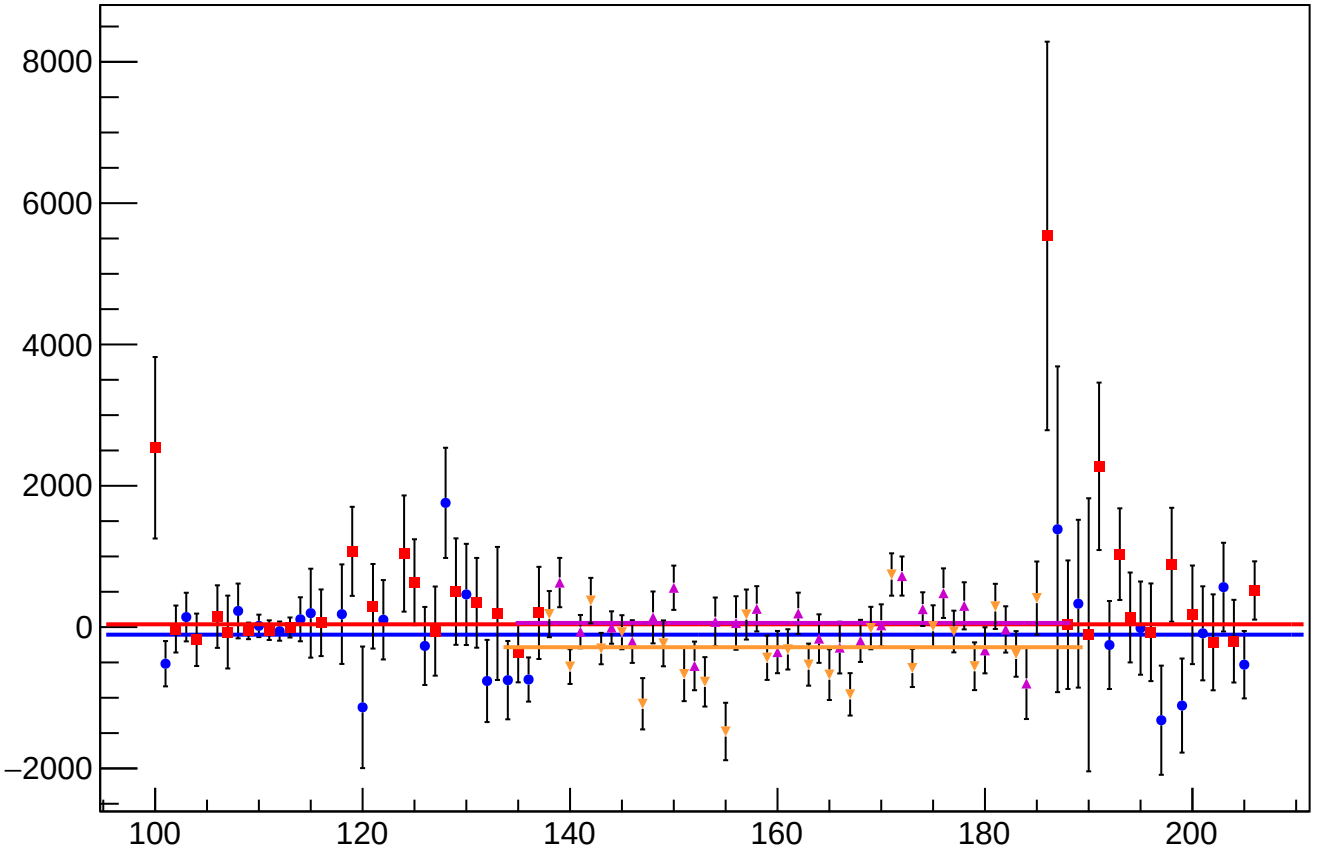
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 74.032+/-0.010 χ^2/NDF: 1597562.4/55

In: 69.279+/-0.009 χ^2/NDF:1867512.3/47

Out: 69.653+/-0.008 χ^2/NDF:2654006.7/55

All: 69.473+/-0.006 χ^2/NDF: 4522454.4/103



Right In: -106.903+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 39.811+/-62.743 χ^2/NDF: 25.0/30

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

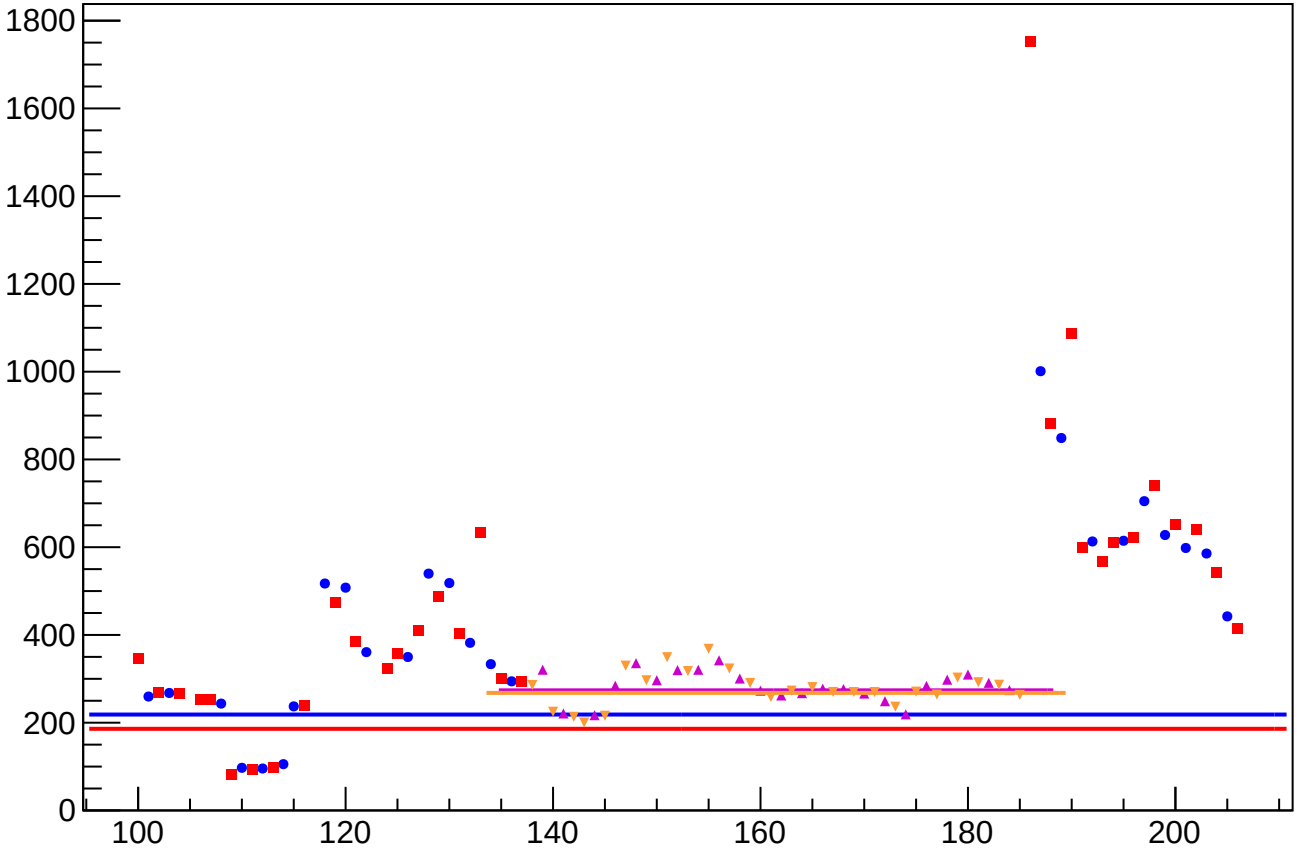
Right: -21.123+/-47.976 χ^2/NDF: 53.9/55

In: -12.219+/-48.806 χ^2/NDF:56.3/47

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -74.413+/-32.681 χ^2/NDF: 152.5/103

asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 218.603+/-0.053 χ^2/NDF: 10678075.3/24

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893633.0/30

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

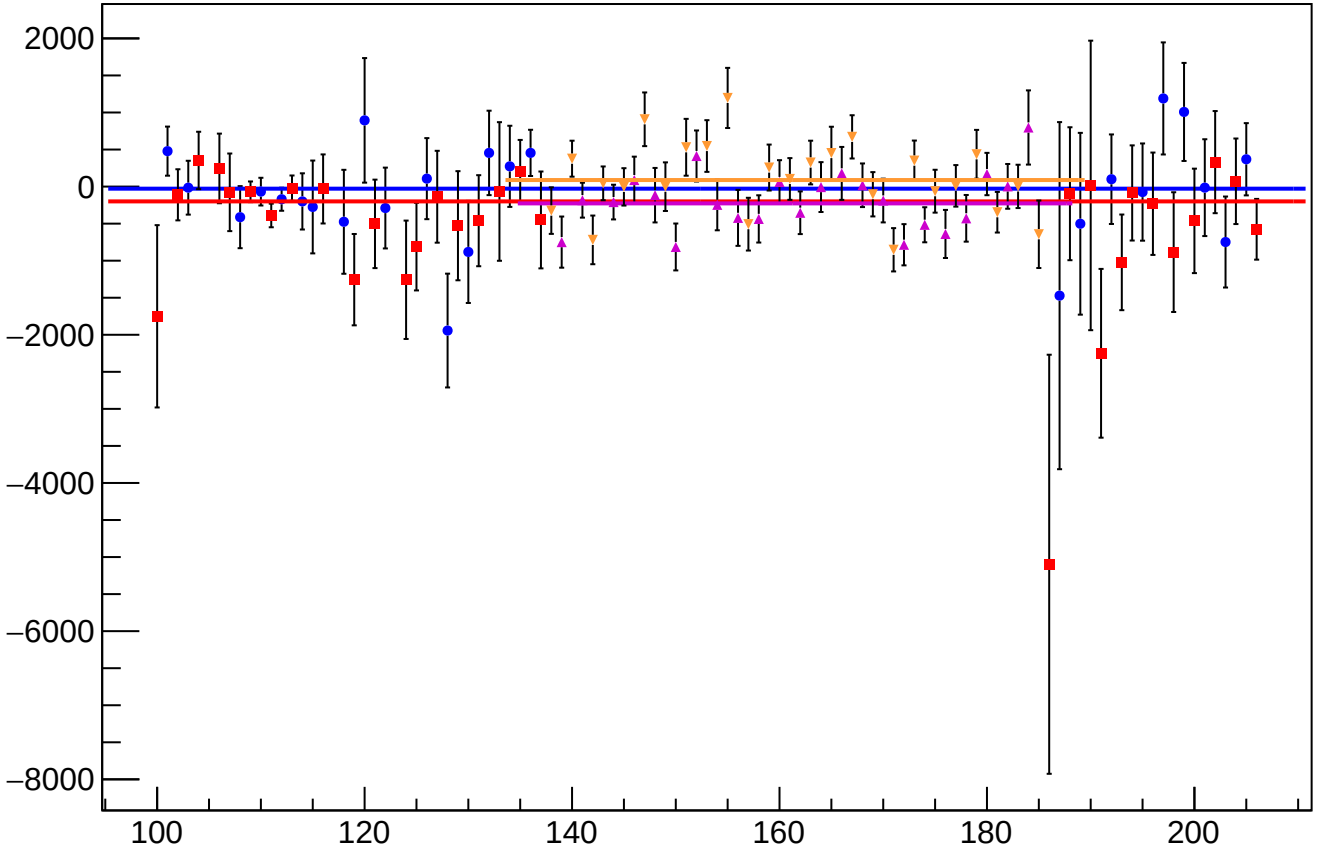
Right: 199.590+/-0.034 χ^2/NDF: 25794825.0/55

In: 250.046+/-0.035 χ^2/NDF:11954159.6/47

Out: 227.703+/-0.031 χ^2/NDF:17488094.5/55

All: 237.721+/-0.023 χ^2/NDF: 29673454.2/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: -28.131+/-81.219 χ^2/NDF: 25.2/24

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -199.821+/-70.078 χ^2/NDF: 26.1/30

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

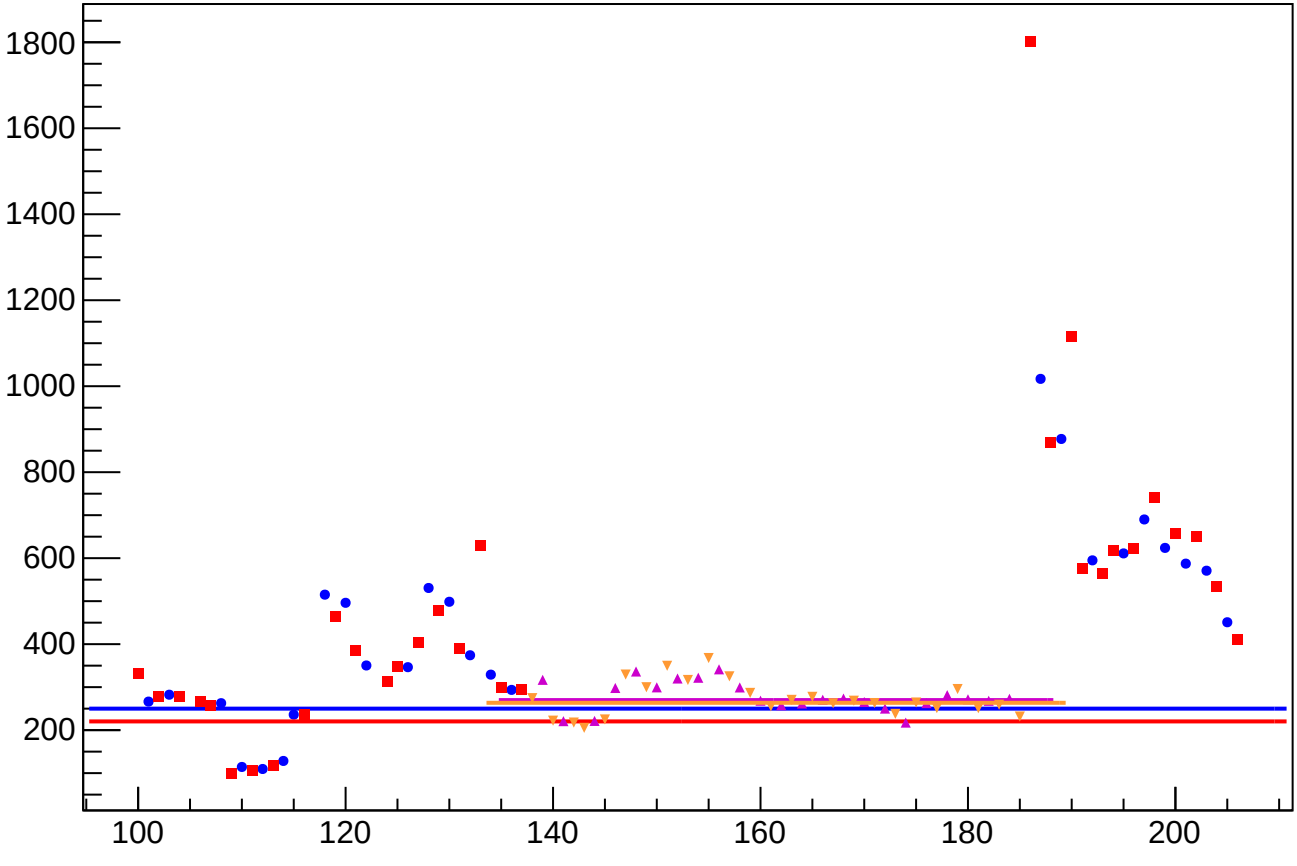
Right: -126.550+/-53.058 χ^2/NDF: 53.8/55

In: -151.212+/-50.112 χ^2/NDF:57.7/47

Out: -35.070+/-45.867 χ^2/NDF:88.0/55

All: -88.015+/-33.834 χ^2/NDF: 148.6/103

asym_sam8_rms vs Slug, Sign Corrected



Right In: 250.002+/-0.057 χ^2/NDF: 8930328.9/24

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 220.282+/-0.050 χ^2/NDF: 12766317.3/30

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

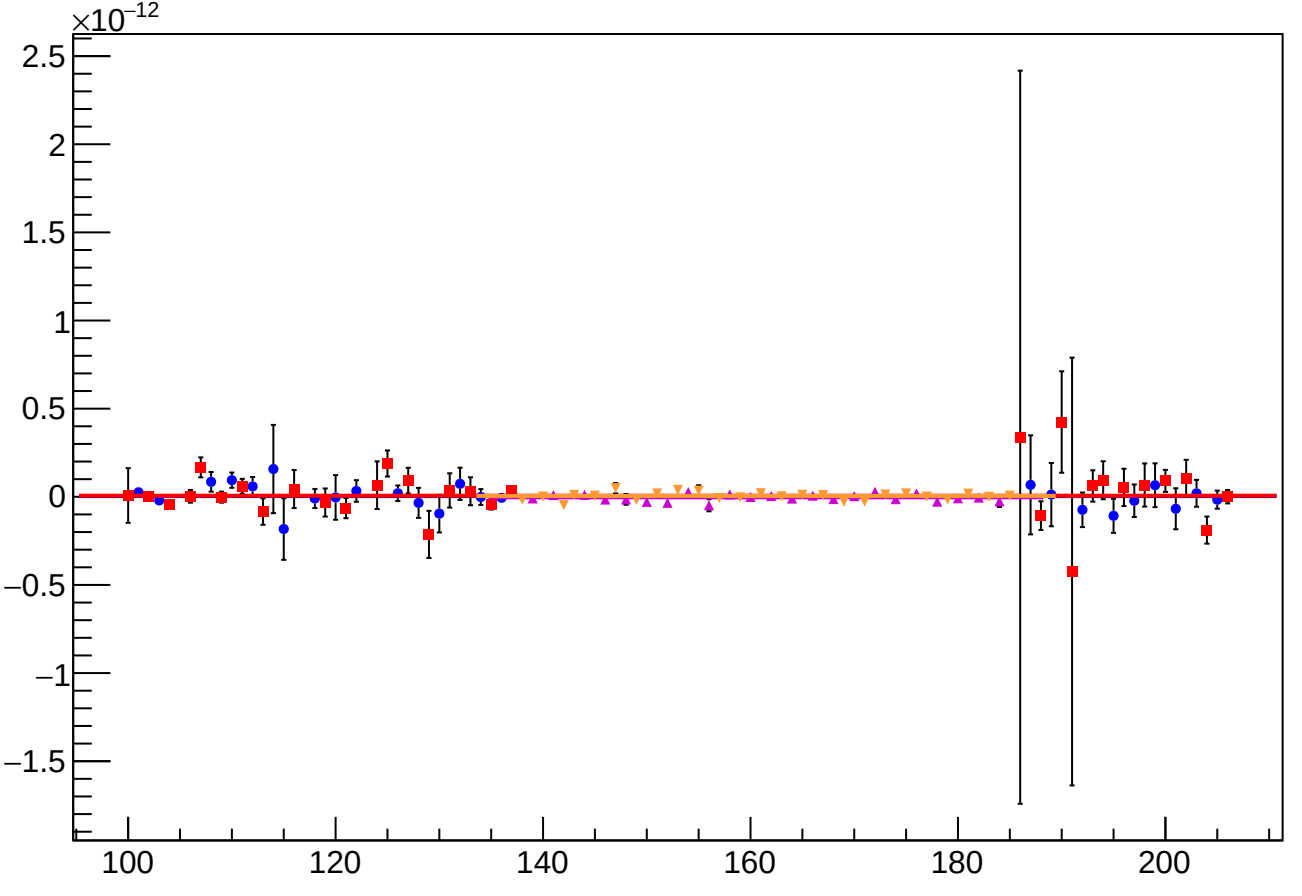
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 232.966+/-0.038 χ^2/NDF: 21850150.7/55

In: 262.324+/-0.035 χ^2/NDF:9606902.9/47

Out: 245.039+/-0.032 χ^2/NDF:13982837.6/55

All: 252.919+/-0.024 χ^2/NDF: 23719207.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/30

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

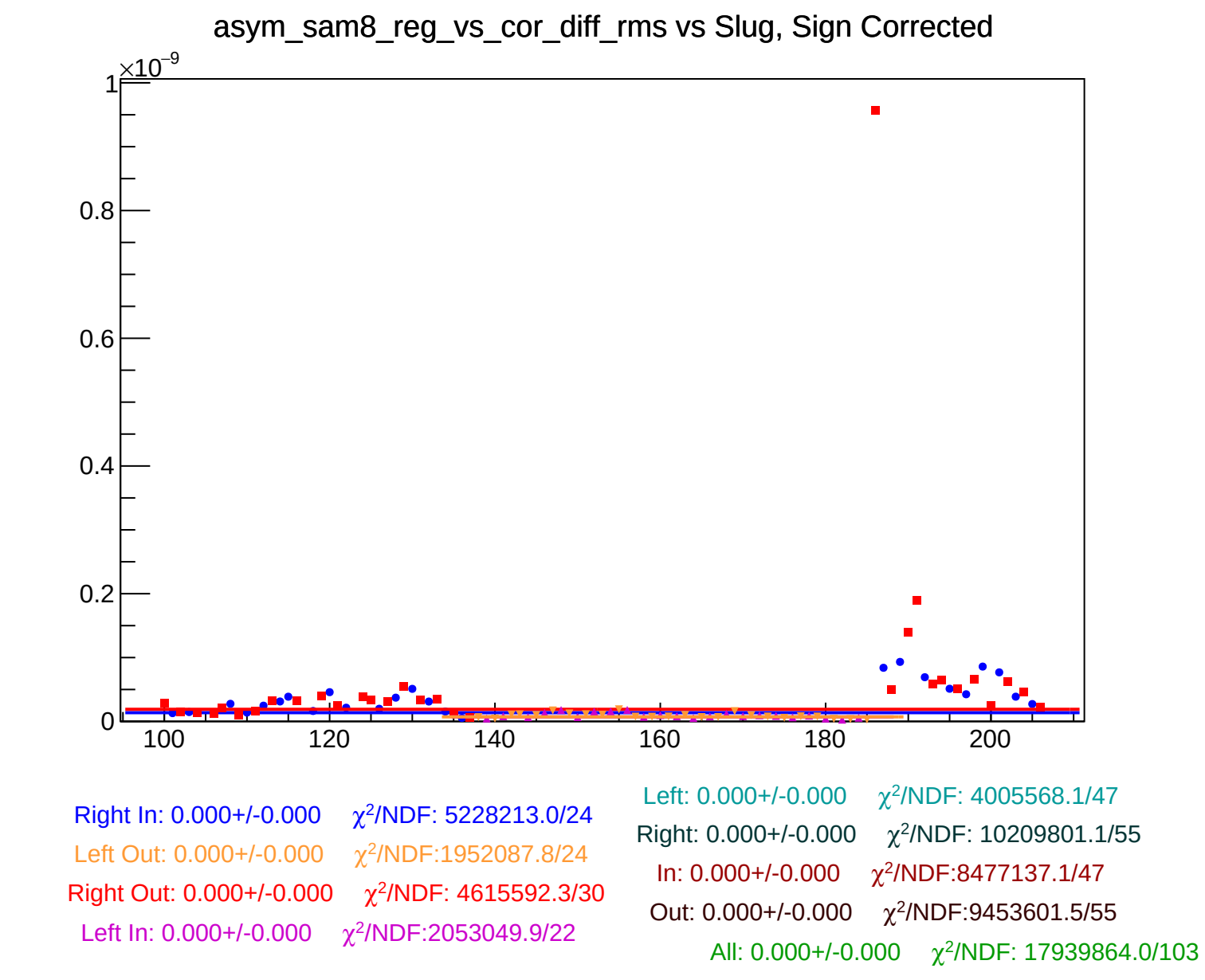
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

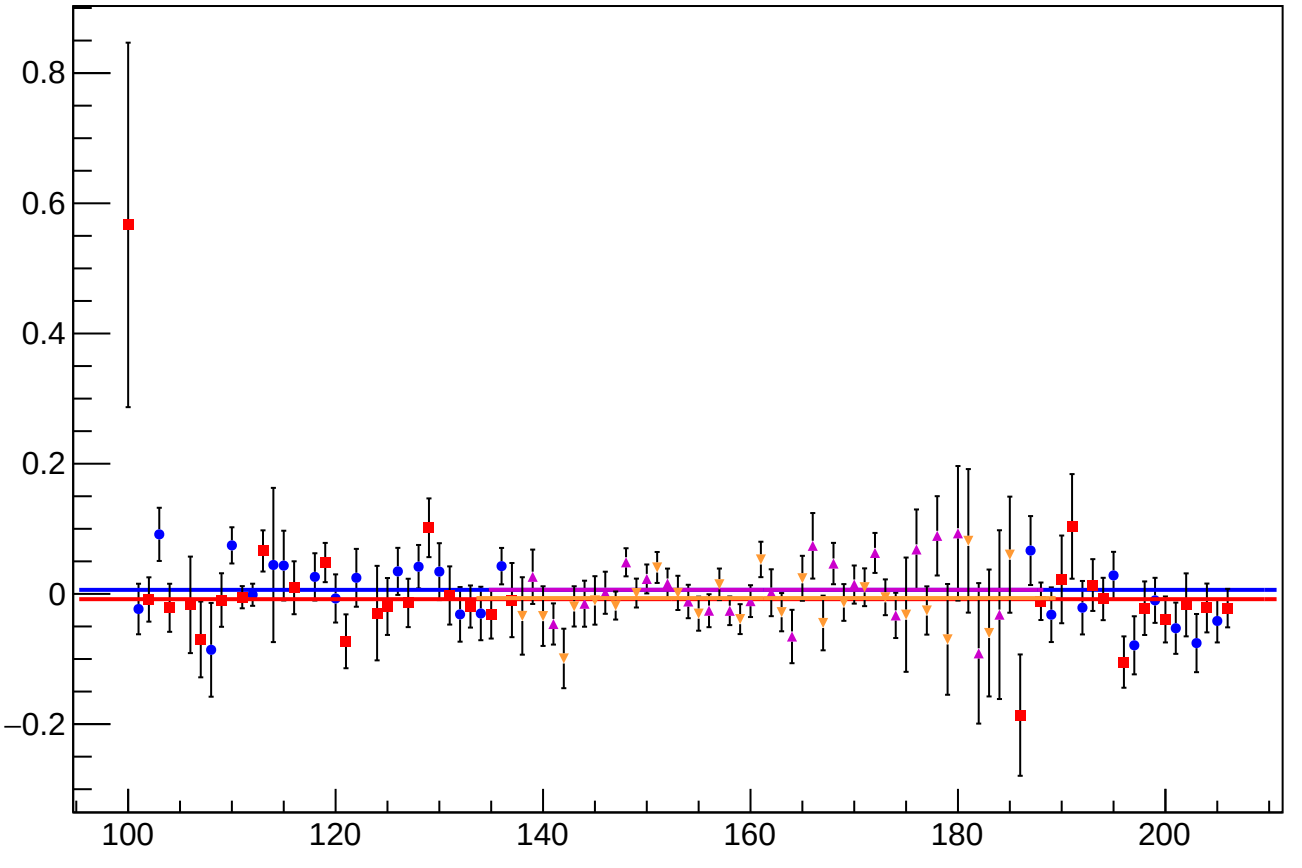
Right: 0.000+/-0.000 χ^2/NDF: 62.2/55

In: -0.000+/-0.000 χ^2/NDF:39.0/47

Out: 0.000+/-0.000 χ^2/NDF:73.3/55

All: 0.000+/-0.000 χ^2/NDF: 115.1/103


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5228213.0/24
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4615592.3/30
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 10209801.1/55
In: 0.000+/-0.000 χ²/NDF:8477137.1/47
Out: 0.000+/-0.000 χ²/NDF:9453601.5/55
All: 0.000+/-0.000 χ²/NDF: 17939864.0/103



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

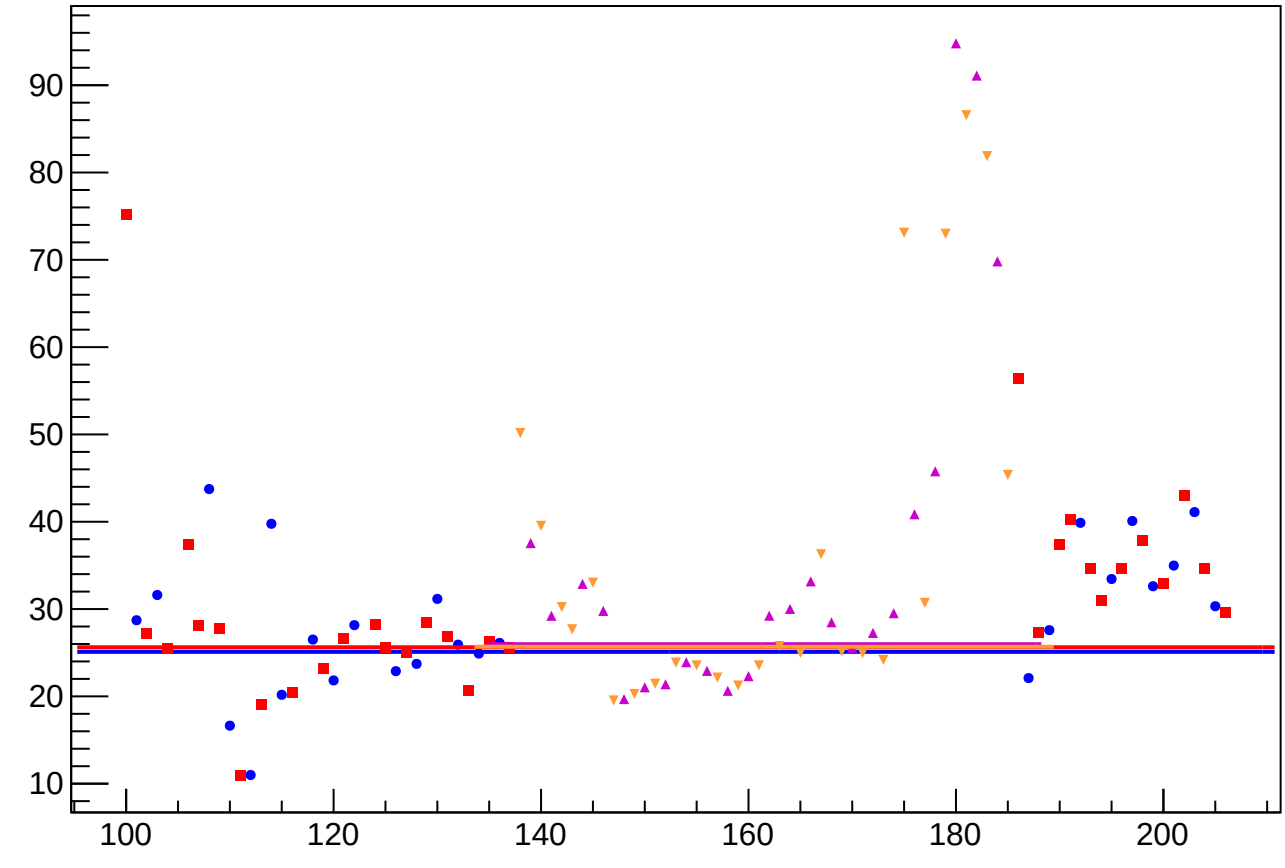
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 73.1/55

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.0/103



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

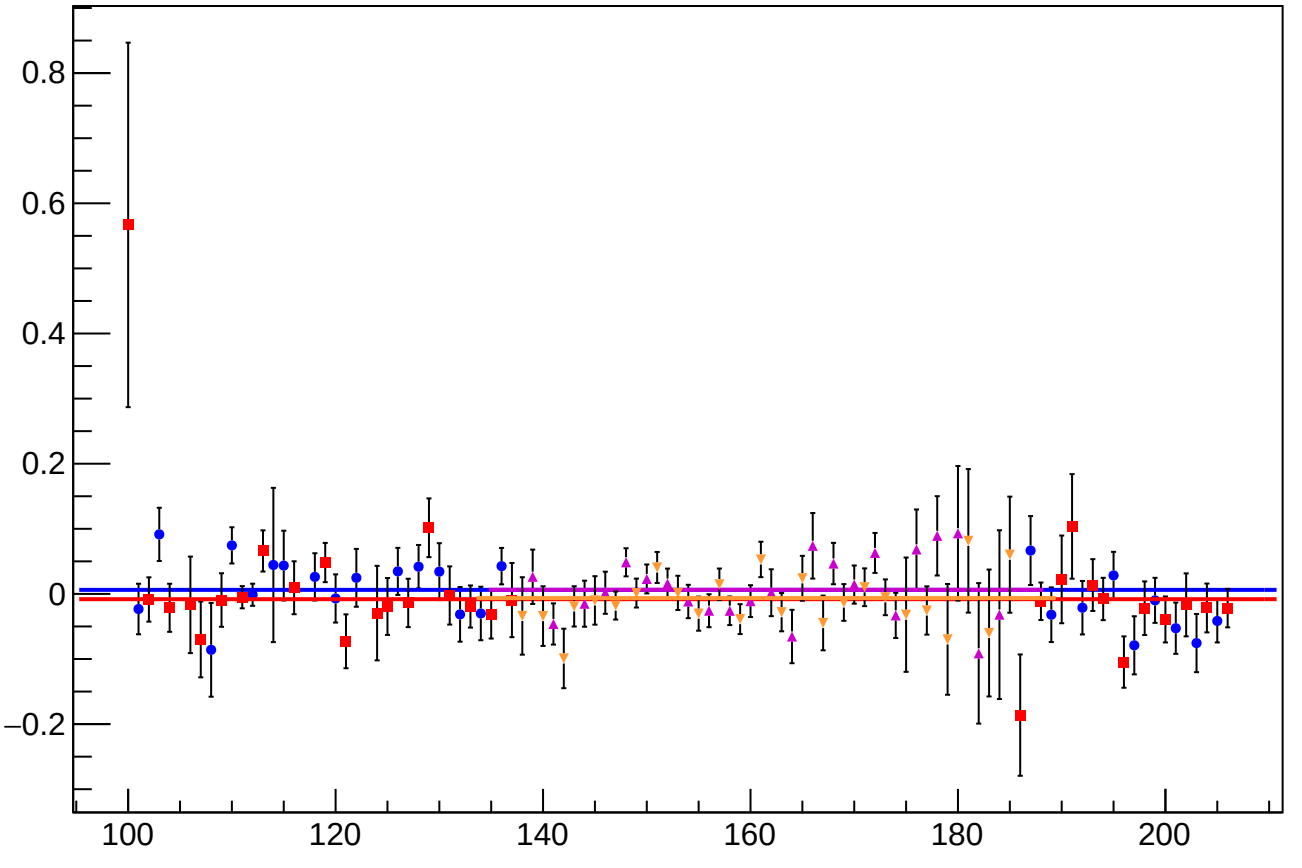
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.377+/-0.004 χ^2/NDF: 6126216.4/55

In: 25.575+/-0.003 χ^2/NDF:6160190.6/47

Out: 25.656+/-0.003 χ^2/NDF:6966241.4/55

All: 25.617+/-0.002 χ^2/NDF: 13126712.6/103



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

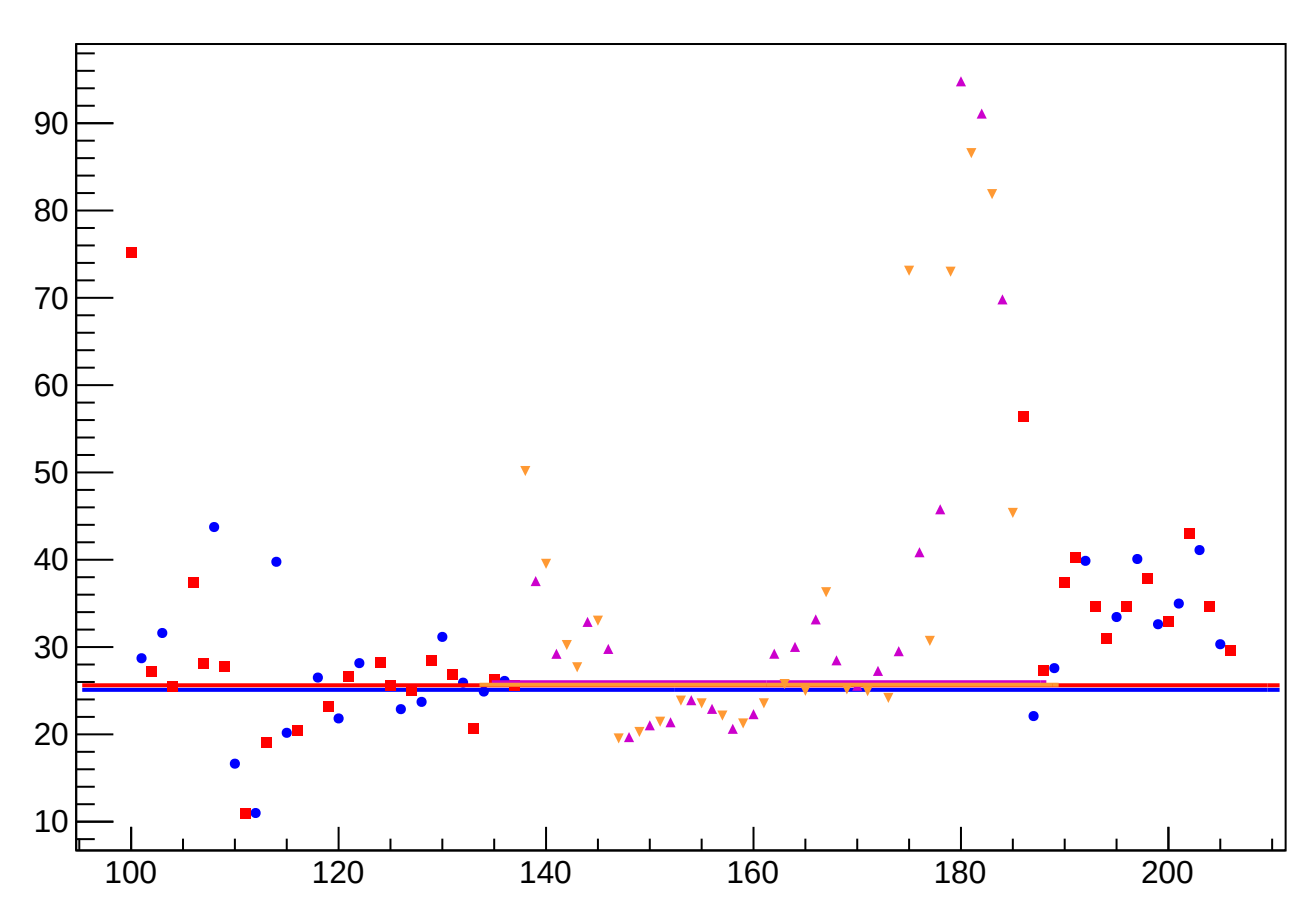
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 73.1/55

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.0/103



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

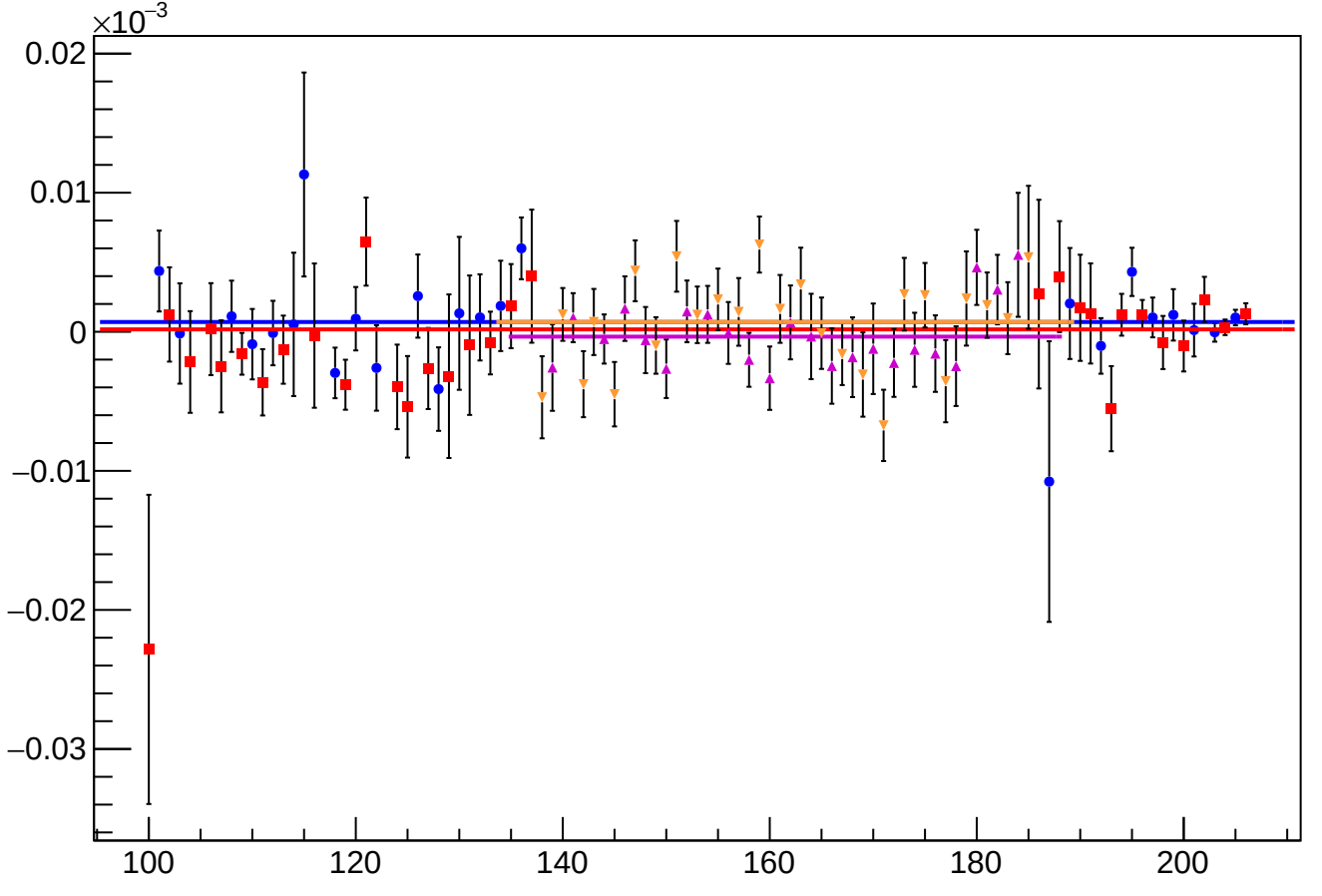
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.377+/-0.004 χ^2/NDF: 6126216.4/55

In: 25.575+/-0.003 χ^2/NDF:6160190.6/47

Out: 25.656+/-0.003 χ^2/NDF:6966241.4/55

All: 25.617+/-0.002 χ^2/NDF: 13126712.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

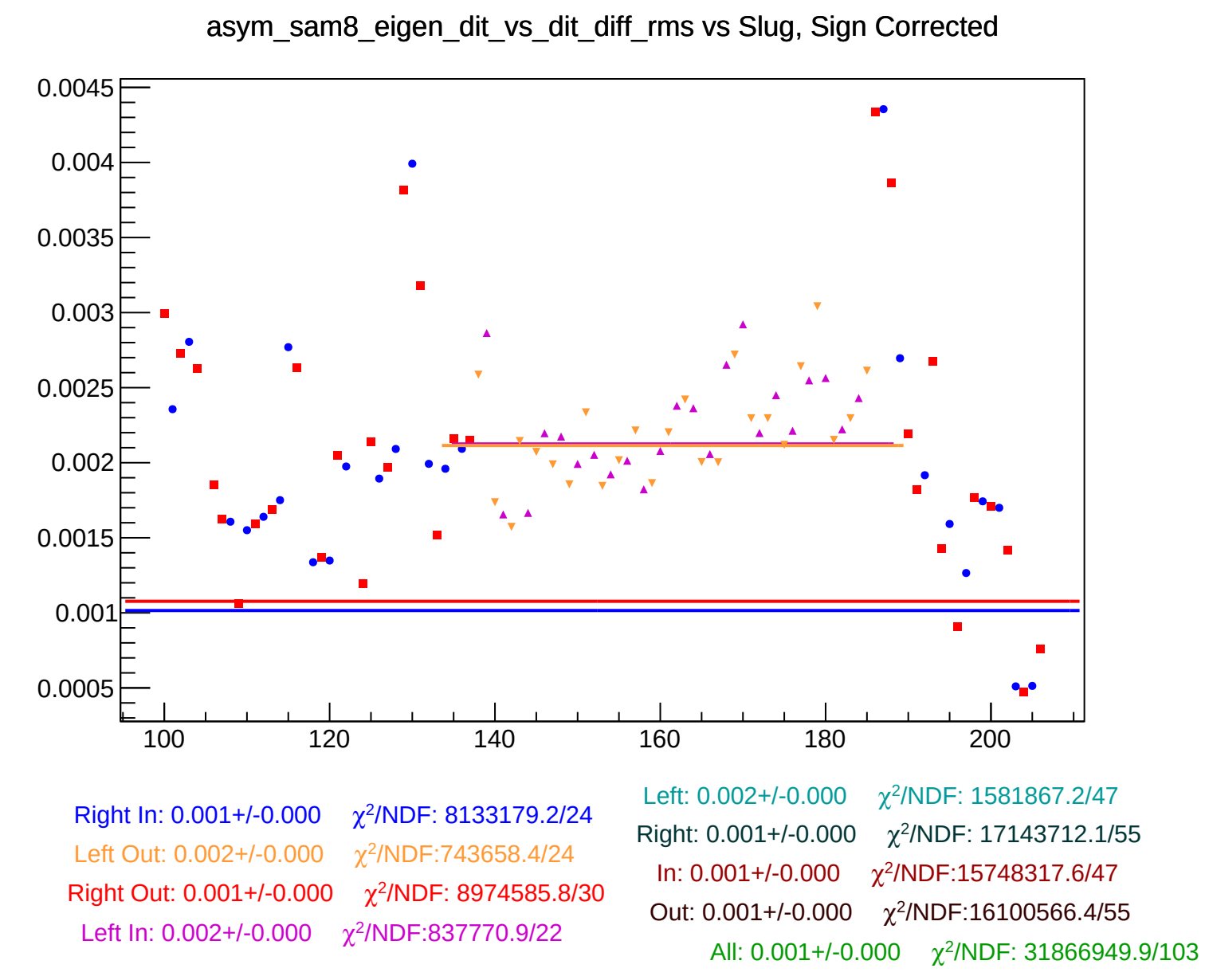
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

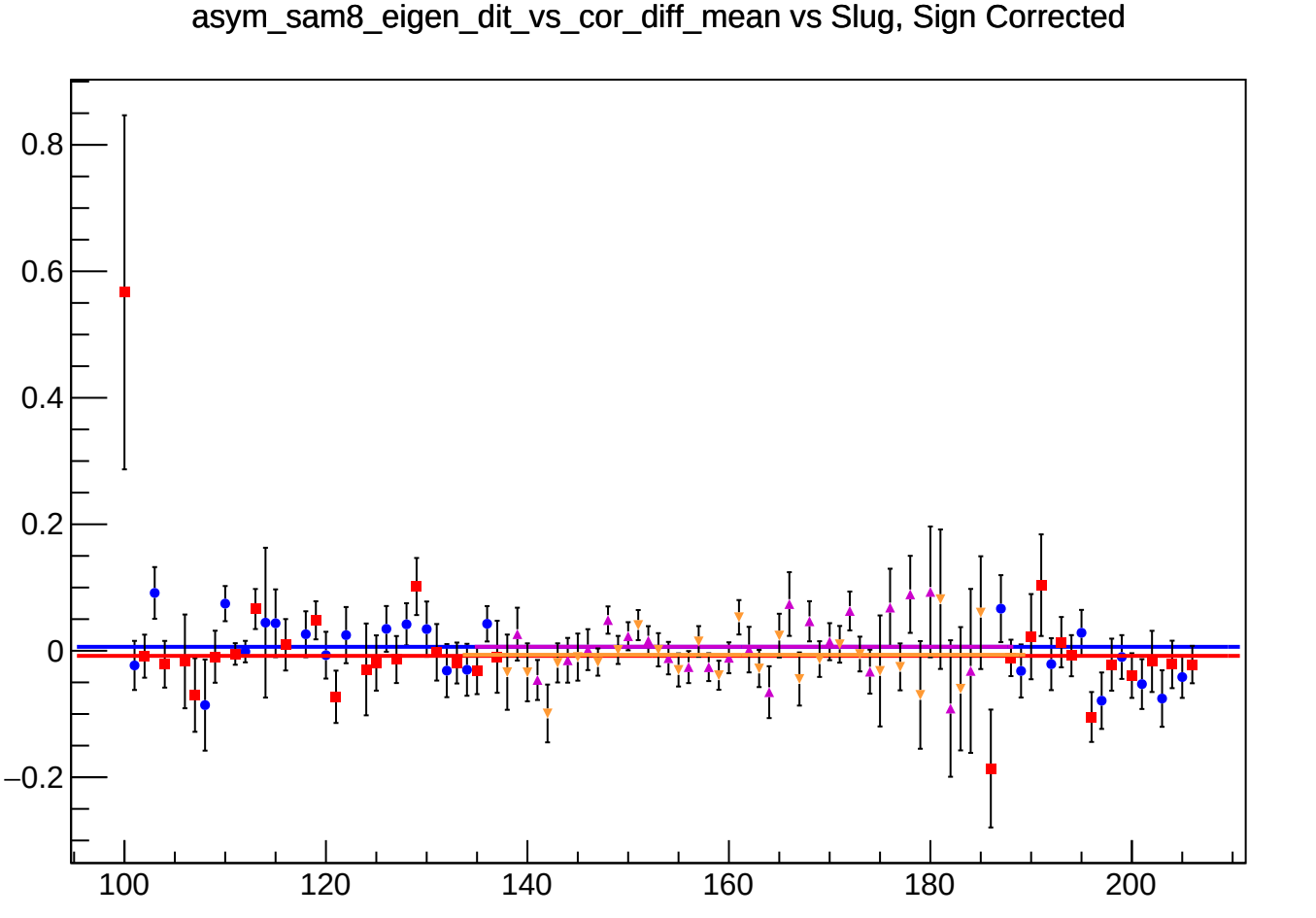
Right: 0.000+/-0.000 χ^2/NDF: 64.1/55

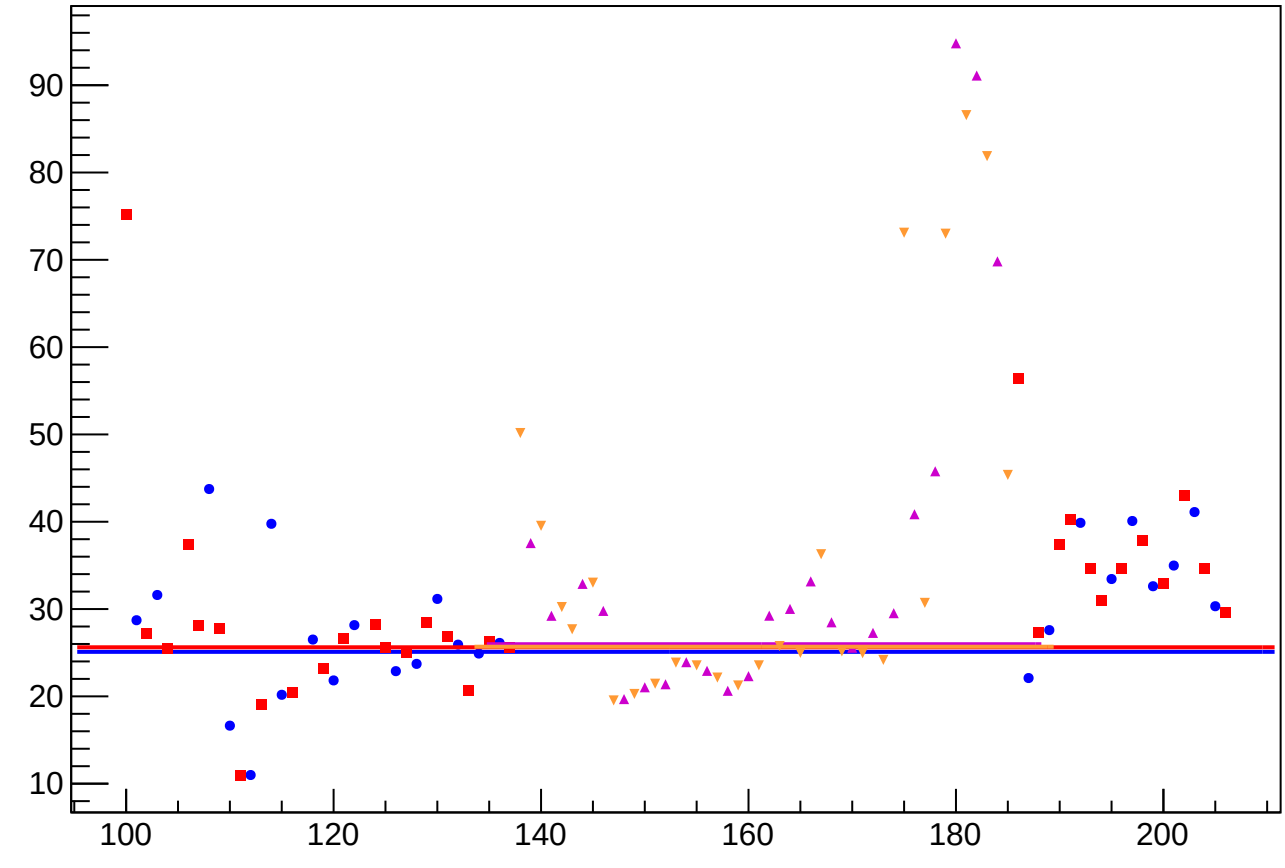
In: 0.000+/-0.000 χ^2/NDF:45.9/47

Out: 0.000+/-0.000 χ^2/NDF:81.4/55

All: 0.000+/-0.000 χ^2/NDF: 127.4/103


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8133179.2/24
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 8974585.8/30
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 17143712.1/55
In: 0.001+/-0.000 χ²/NDF:15748317.6/47
Out: 0.001+/-0.000 χ²/NDF:16100566.4/55
All: 0.001+/-0.000 χ²/NDF: 31866949.9/103


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.006+/-0.007 χ²/NDF: 33.9/24
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.008+/-0.007 χ²/NDF: 37.1/30
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: -0.001+/-0.005 χ²/NDF: 73.1/55
In: 0.006+/-0.005 χ²/NDF:62.3/47
Out: -0.007+/-0.005 χ²/NDF:59.7/55
All: -0.001+/-0.003 χ²/NDF: 126.0/103



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

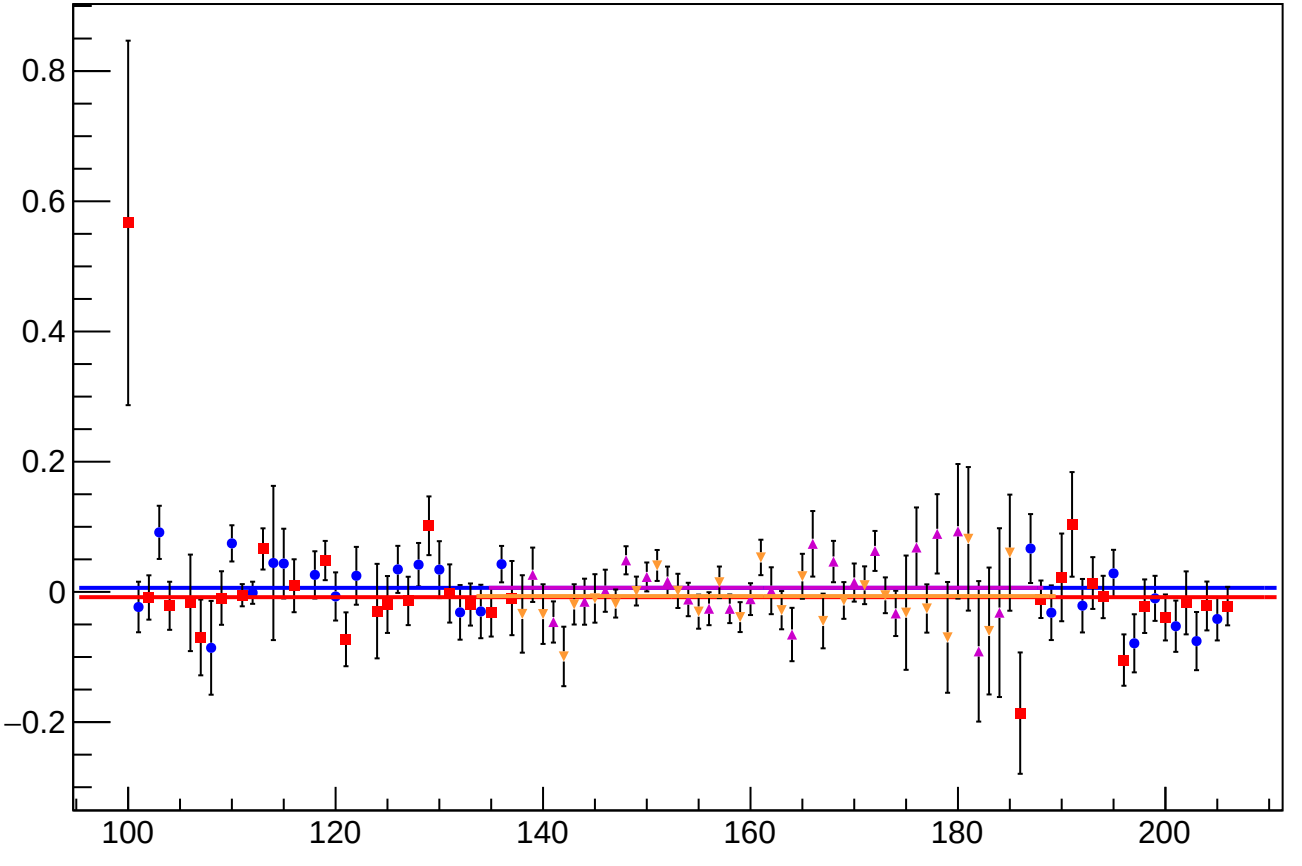
Right: 25.376+/-0.004 χ^2/NDF: 6126771.5/55

In: 25.575+/-0.003 χ^2/NDF:6160464.1/47

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.617+/-0.002 χ^2/NDF: 13127277.5/103

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

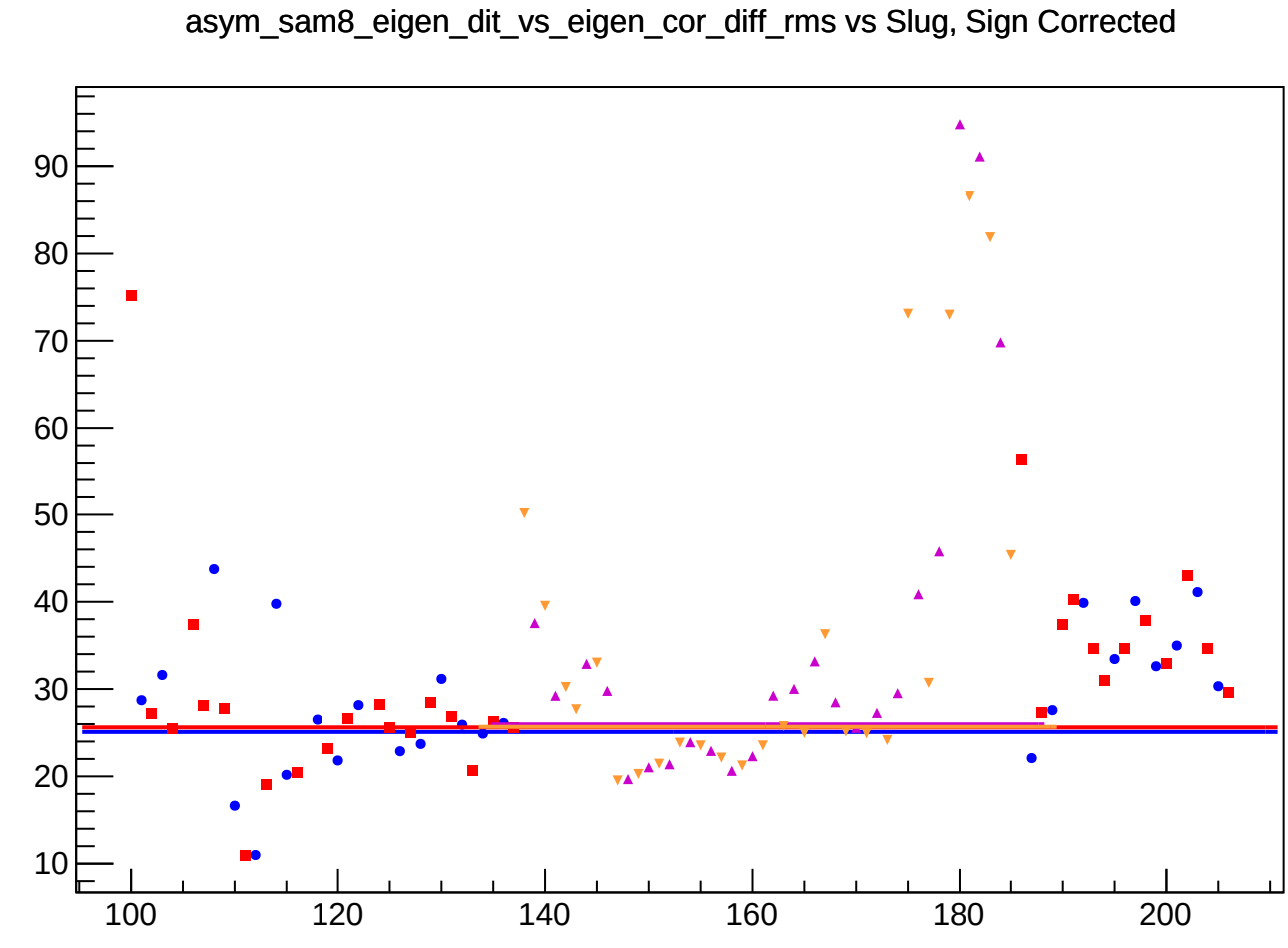
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 73.1/55

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.0/103



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

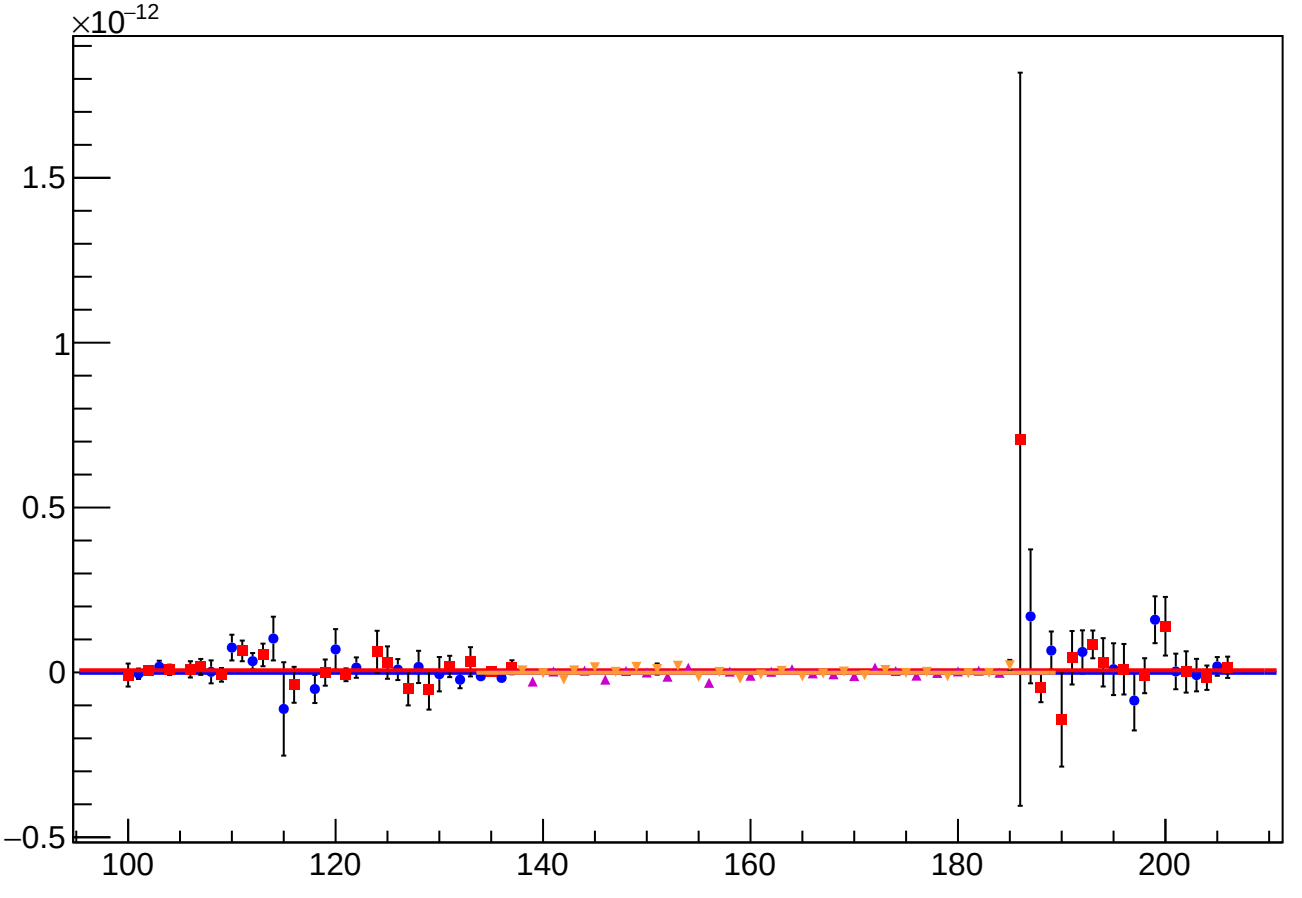
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.376+/-0.004 χ^2/NDF: 6126771.5/55

In: 25.575+/-0.003 χ^2/NDF:6160464.1/47

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.617+/-0.002 χ^2/NDF: 13127277.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/30

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

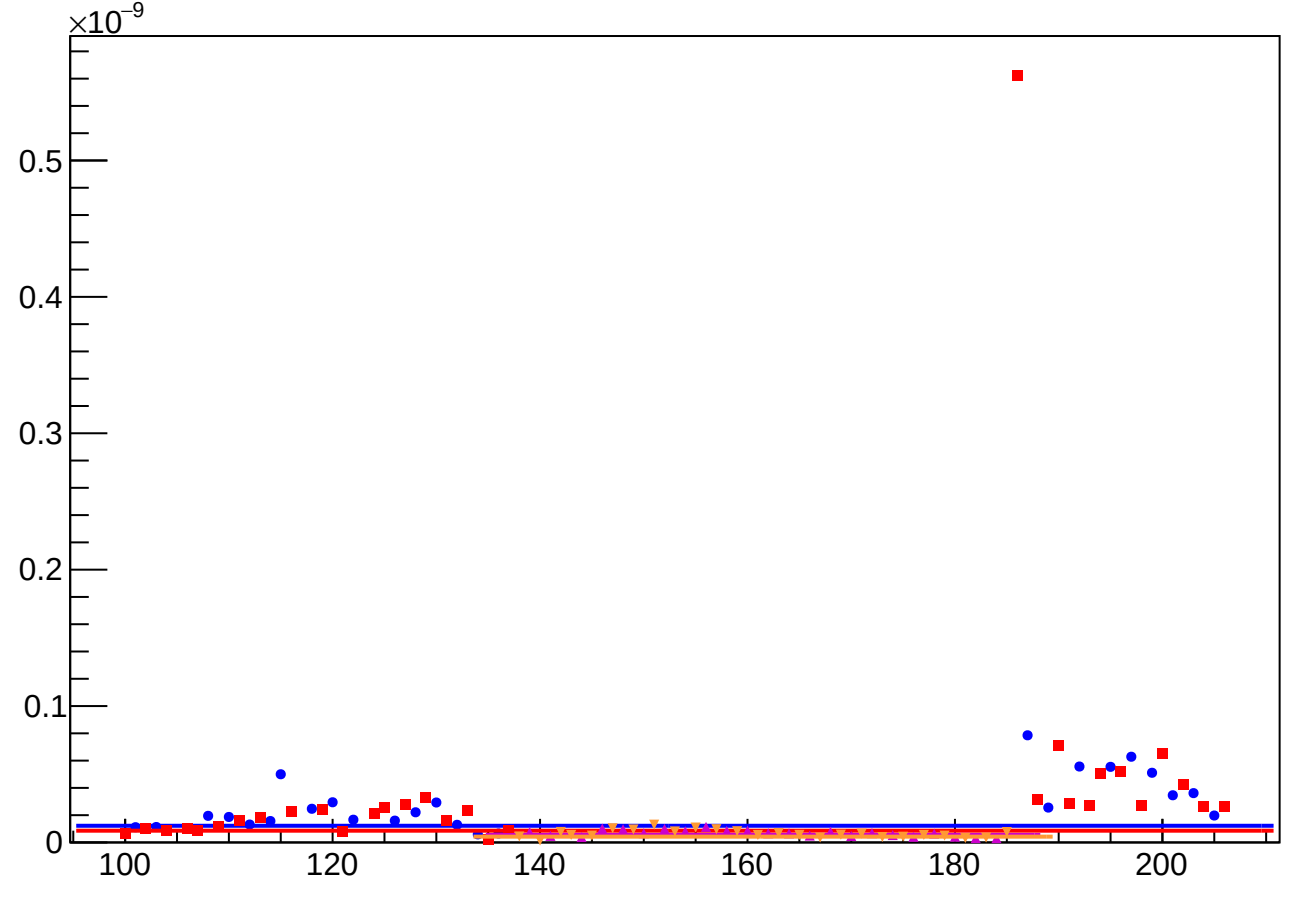
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/55

In: -0.000+/-0.000 χ^2/NDF:56.6/47

Out: -0.000+/-0.000 χ^2/NDF:52.4/55

All: -0.000+/-0.000 χ^2/NDF: 109.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 6175934.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10291988.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

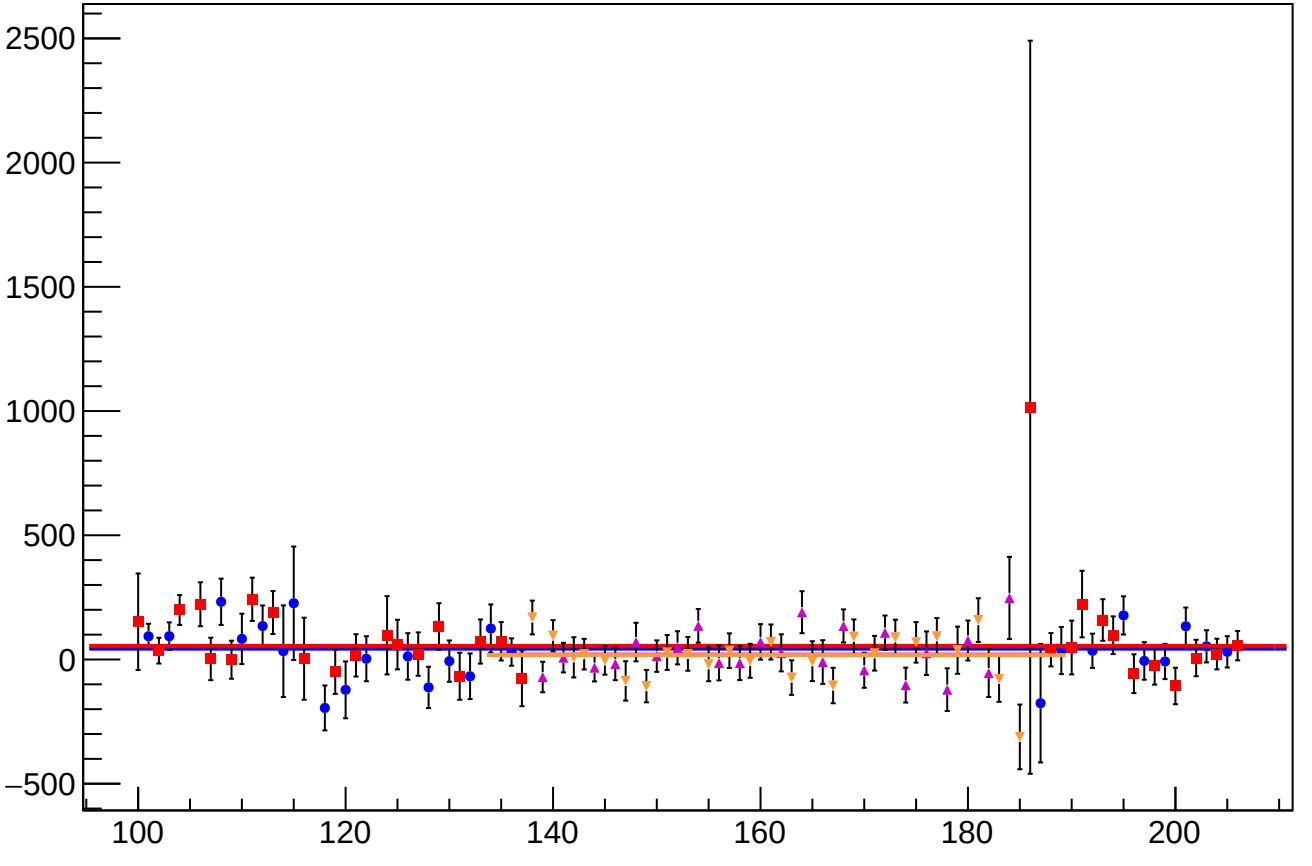
Right: 0.000+/-0.000 χ^2/NDF: 17046201.8/55

In: 0.000+/-0.000 χ^2/NDF:12004608.6/47

Out: 0.000+/-0.000 χ^2/NDF:17658625.3/55

All: 0.000+/-0.000 χ^2/NDF: 30557991.6/103

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 43.740+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.779+/-14.938 χ^2/NDF: 36.0/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

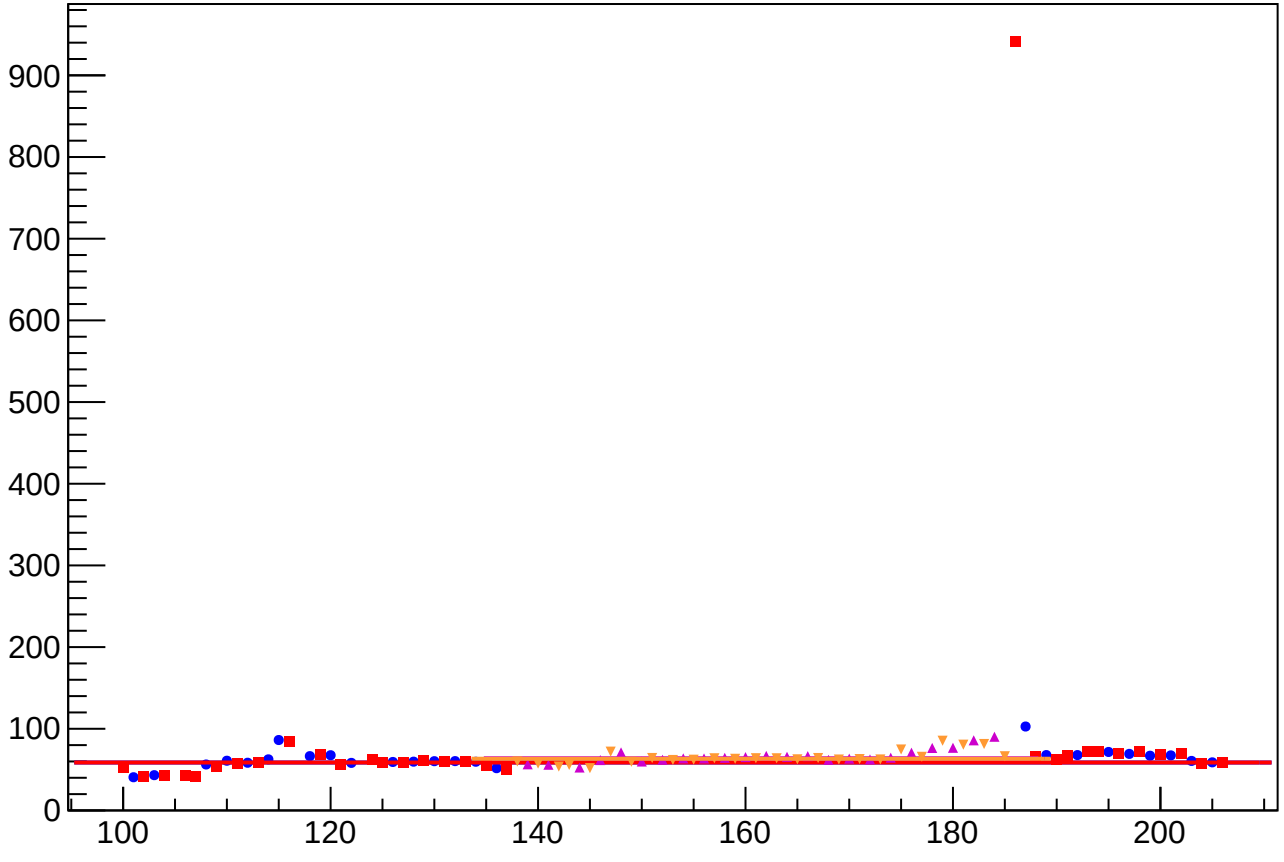
Right: 49.609+/-10.892 χ^2/NDF: 66.0/55

In: 31.011+/-10.931 χ^2/NDF:57.2/47

Out: 35.734+/-10.403 χ^2/NDF:70.7/55

All: 33.489+/-7.536 χ^2/NDF: 128.0/103

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.687+/-0.011 χ^2/NDF: 776430.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.703+/-0.011 χ^2/NDF: 1647781.2/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

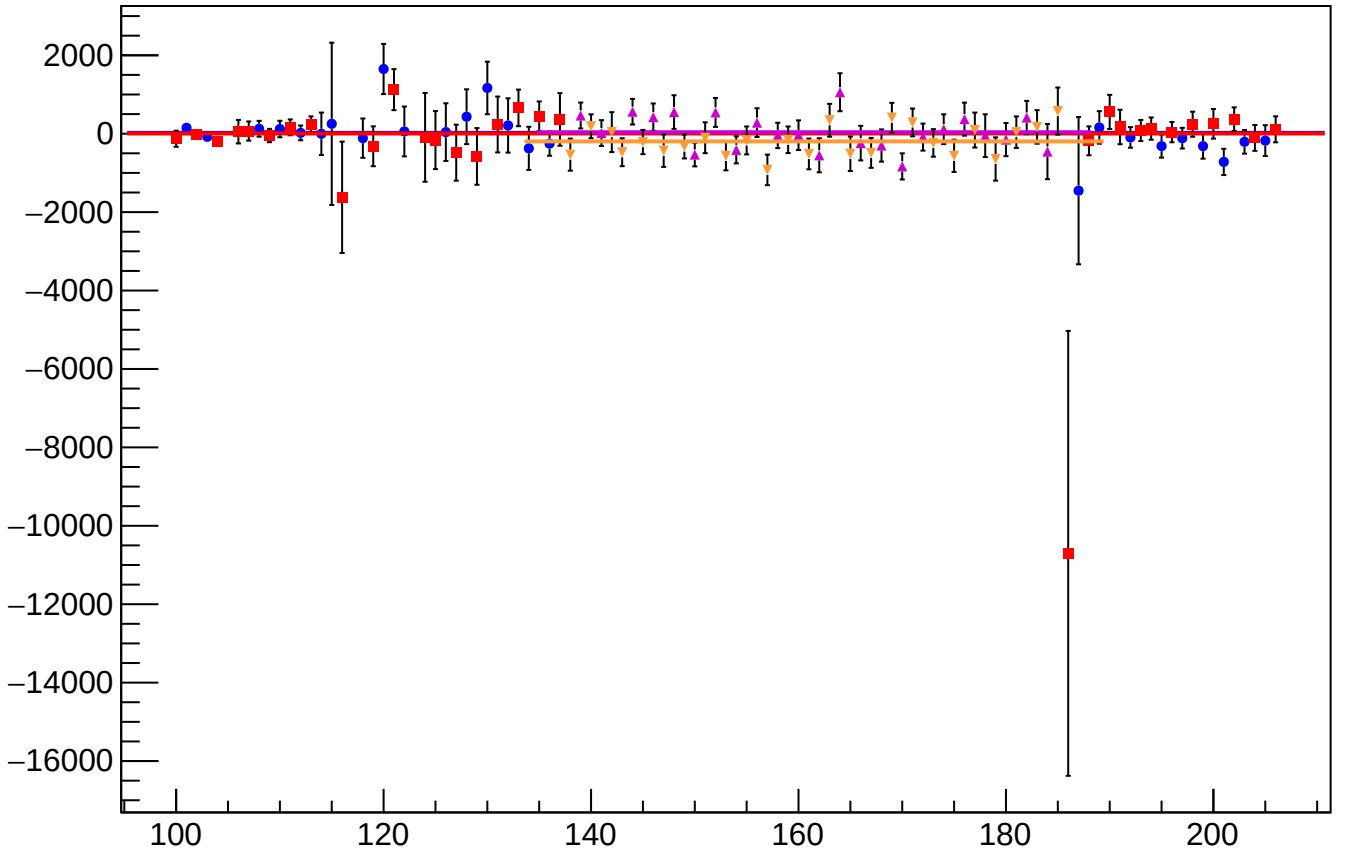
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.695+/-0.008 χ^2/NDF: 2424213.0/55

In: 61.450+/-0.008 χ^2/NDF:1335873.9/47

Out: 61.077+/-0.007 χ^2/NDF:2243309.9/55

All: 61.254+/-0.005 χ^2/NDF: 3580409.3/103



Right In: 20.843+/-42.804 χ^2/NDF: 26.0/24

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.530+/-44.696 χ^2/NDF: 27.0/30

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

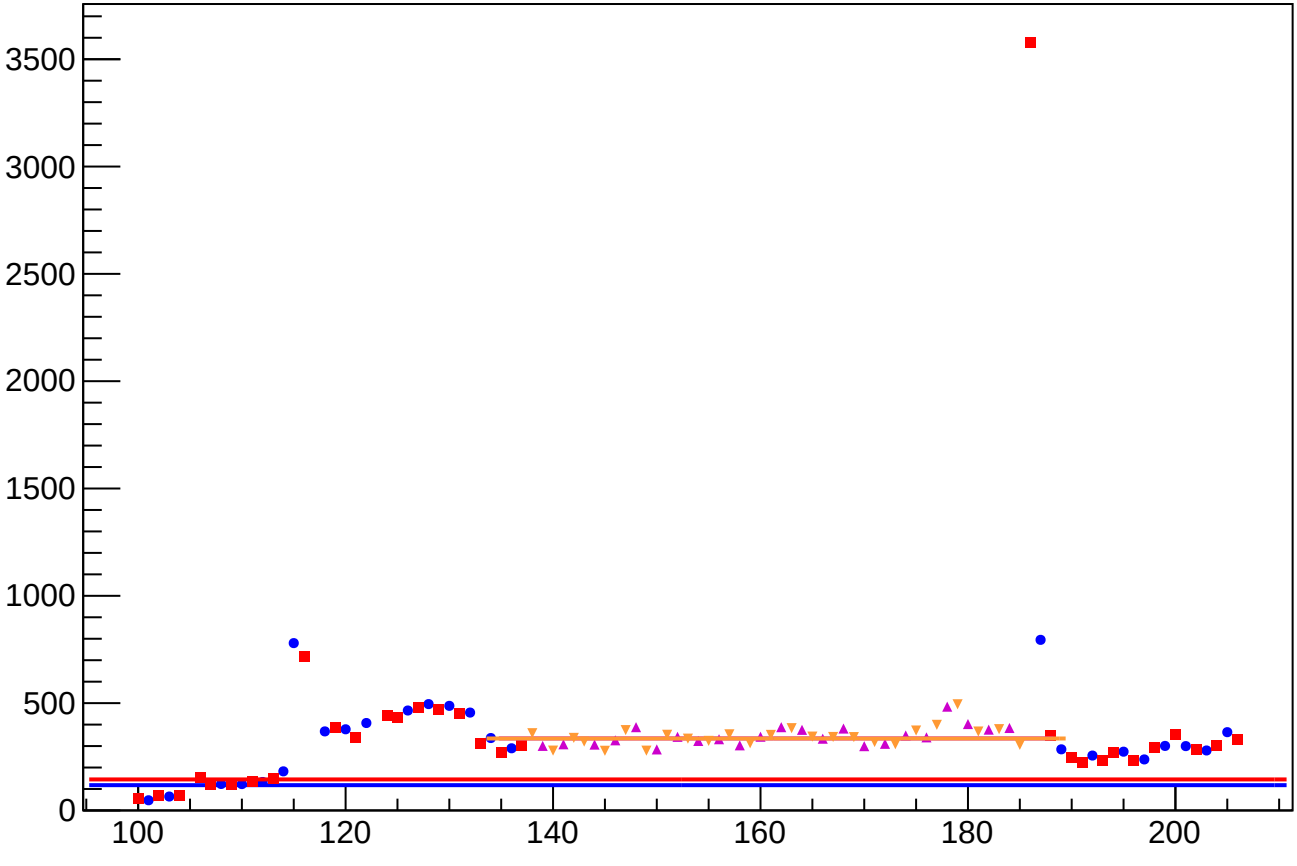
Right: 13.518+/-30.914 χ^2/NDF: 53.0/55

In: 24.363+/-37.658 χ^2/NDF:57.1/47

Out: -45.161+/-38.667 χ^2/NDF:52.7/55

All: -9.480+/-26.978 χ^2/NDF: 111.4/103

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 117.825+/-0.030 χ^2/NDF: 12162696.0/24

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 144.562+/-0.032 χ^2/NDF: 11336078.6/30

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

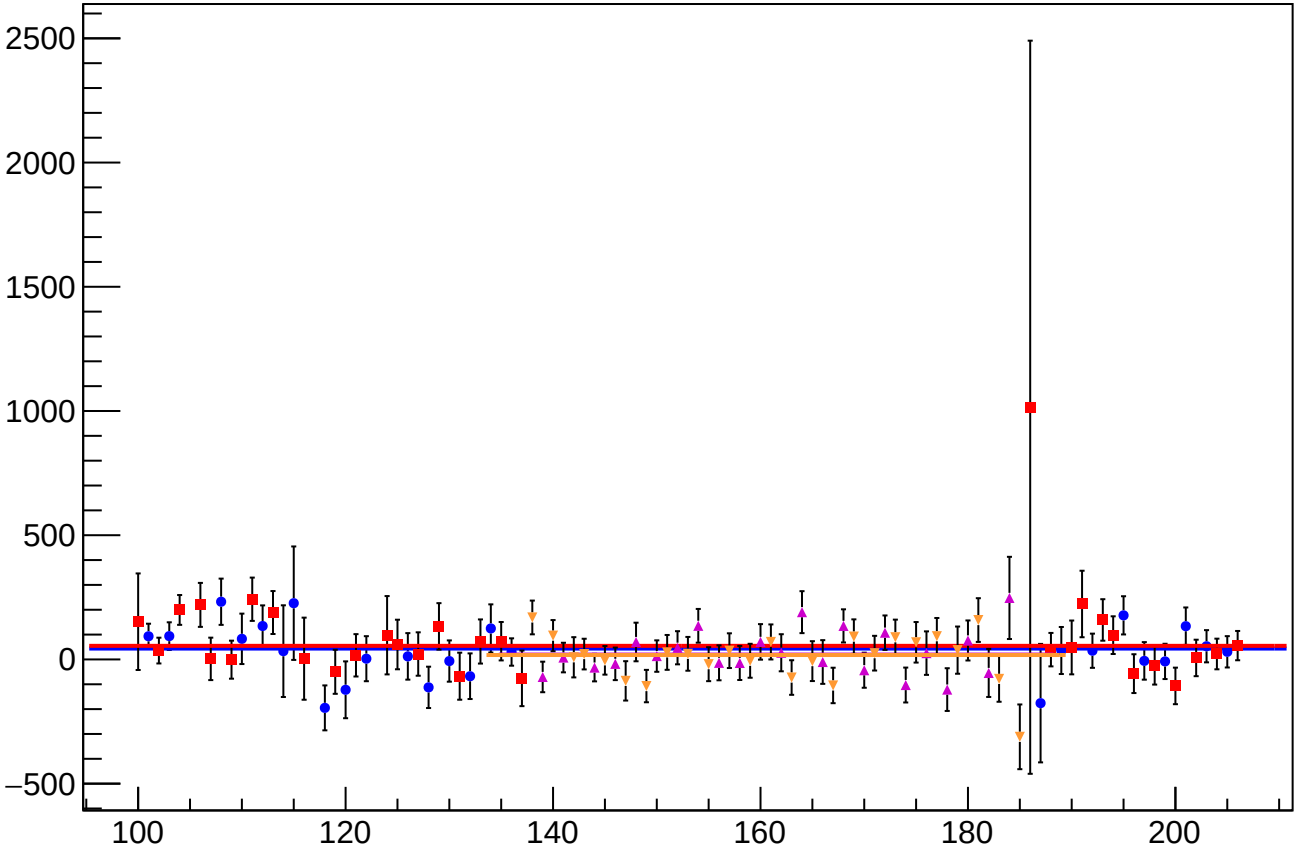
Right: 130.615+/-0.022 χ^2/NDF: 23872082.5/55

In: 167.029+/-0.027 χ^2/NDF:24350811.3/47

Out: 192.544+/-0.027 χ^2/NDF:21060663.1/55

All: 179.449+/-0.019 χ^2/NDF: 45858399.3/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.702+/-14.939 χ^2/NDF: 35.9/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

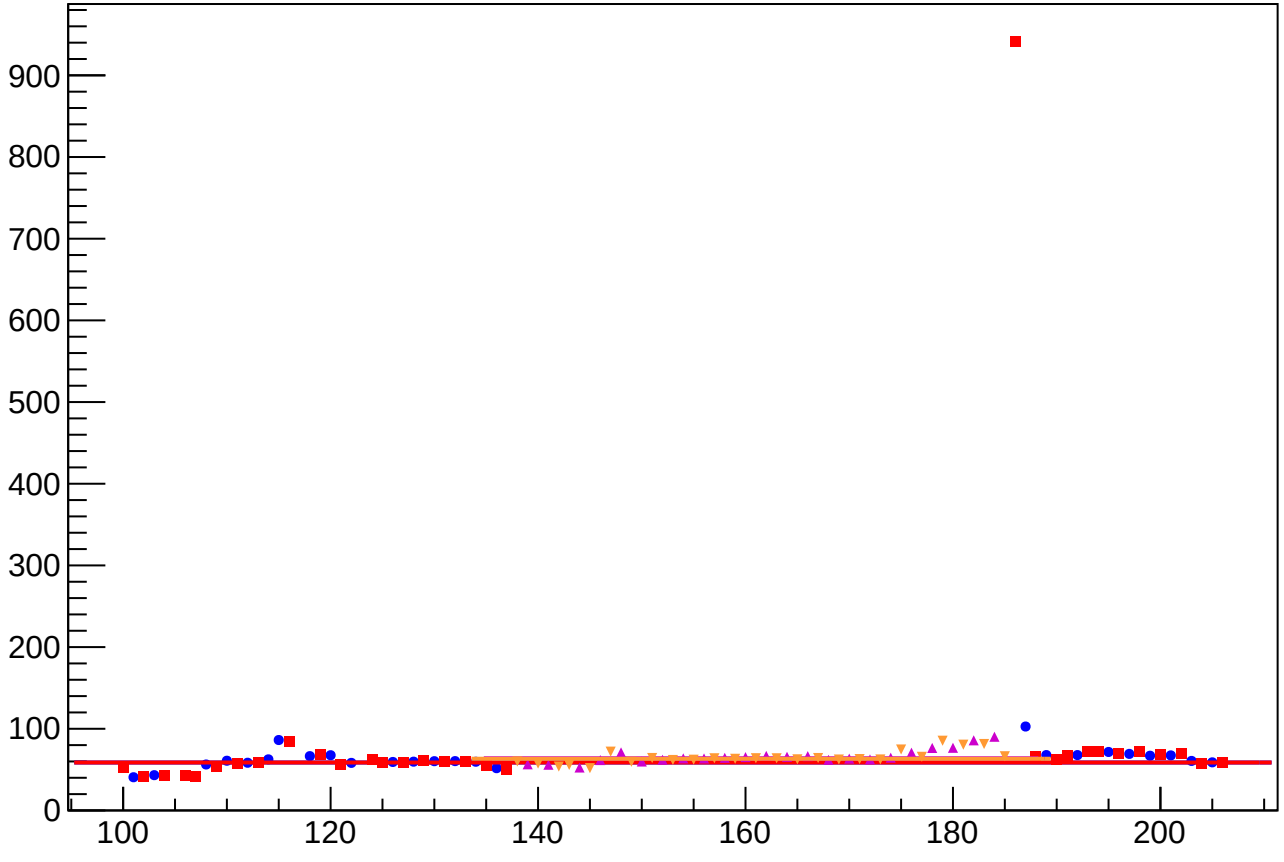
Right: 49.571+/-10.892 χ^2/NDF: 65.9/55

In: 31.014+/-10.931 χ^2/NDF:57.2/47

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 33.472+/-7.536 χ^2/NDF: 127.9/103

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

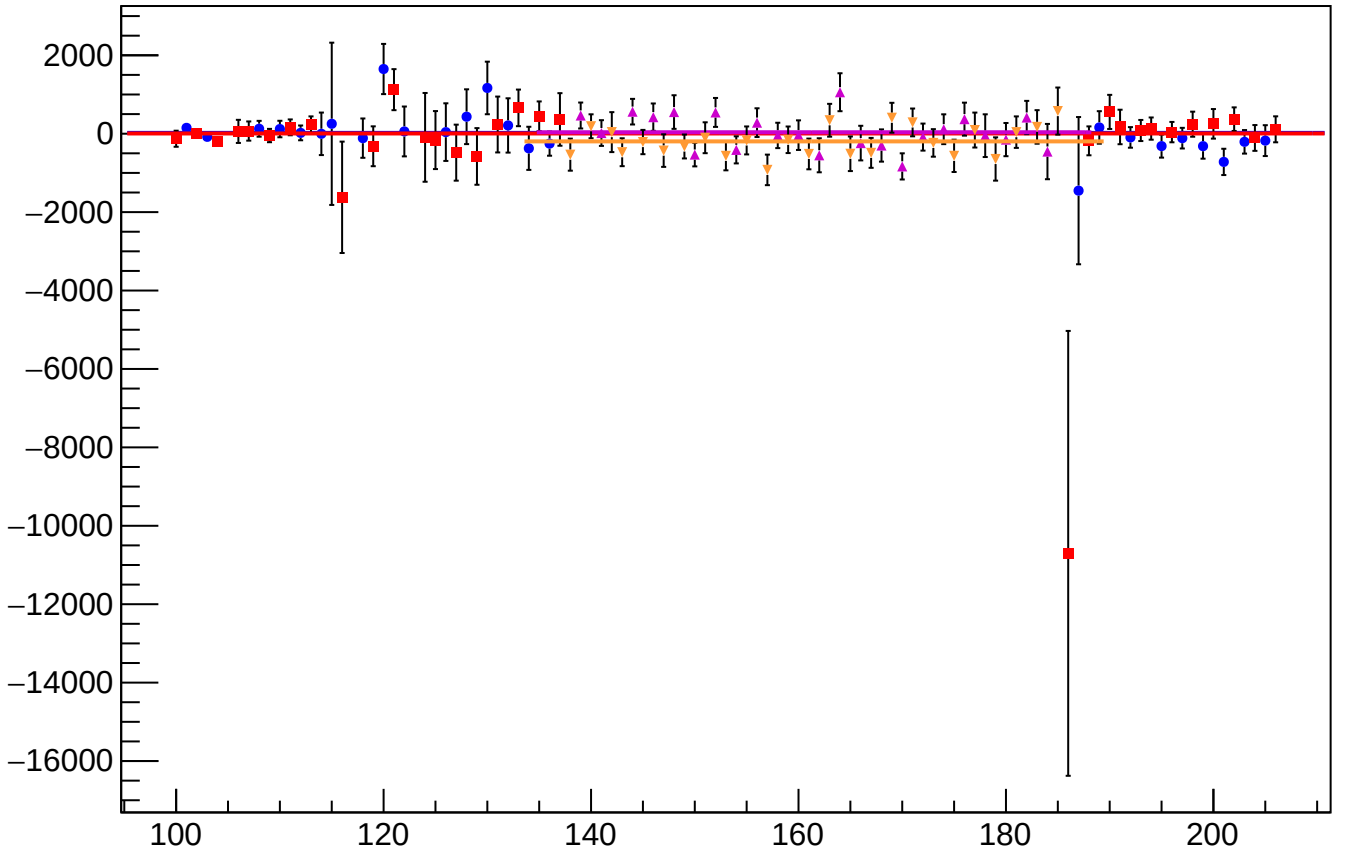
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.695+/-0.008 χ^2/NDF: 2424628.2/55

In: 61.450+/-0.008 χ^2/NDF:1335872.8/47

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.254+/-0.005 χ^2/NDF: 3580857.0/103



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

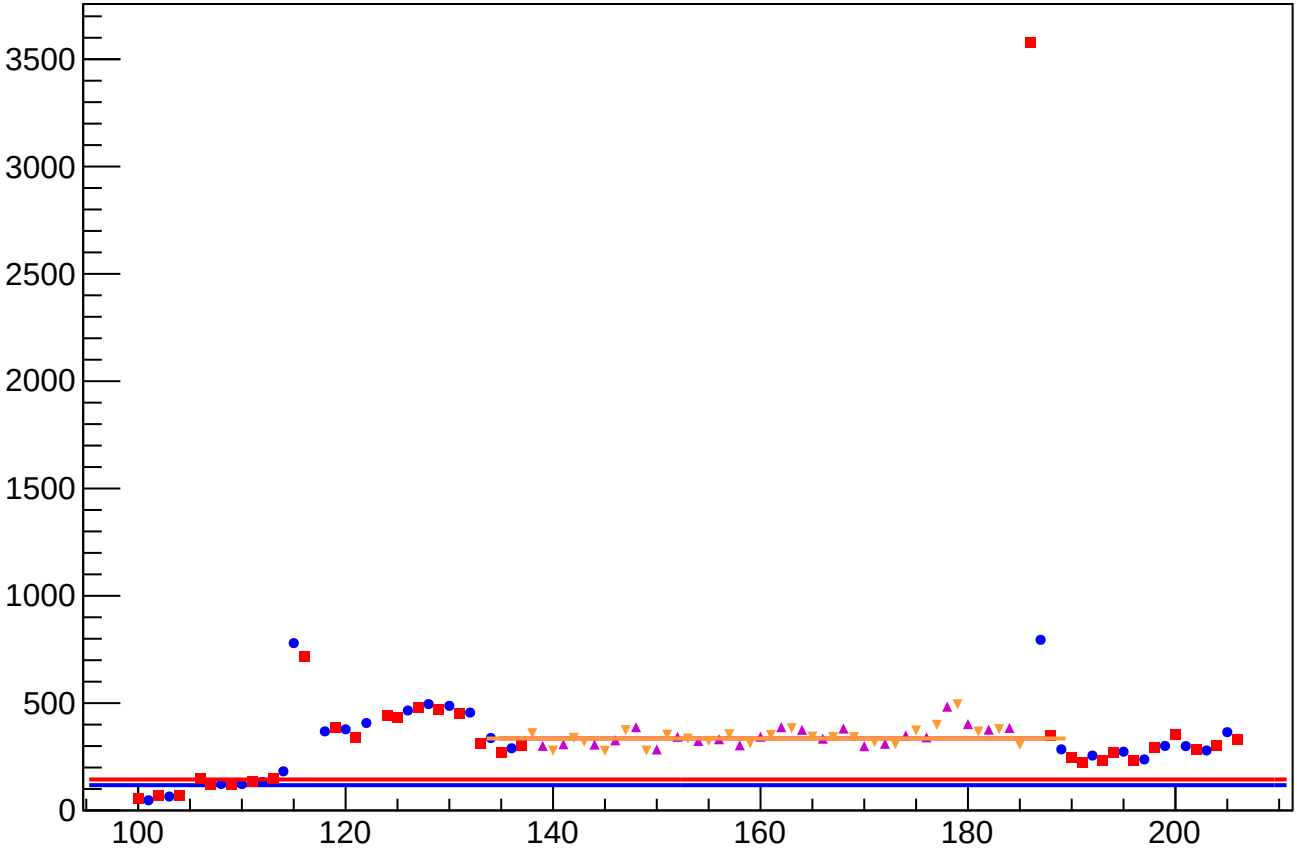
Right: 13.661+/-30.904 χ^2/NDF: 53.0/55

In: 24.366+/-37.657 χ^2/NDF:57.1/47

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -9.358+/-26.971 χ^2/NDF: 111.4/103

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

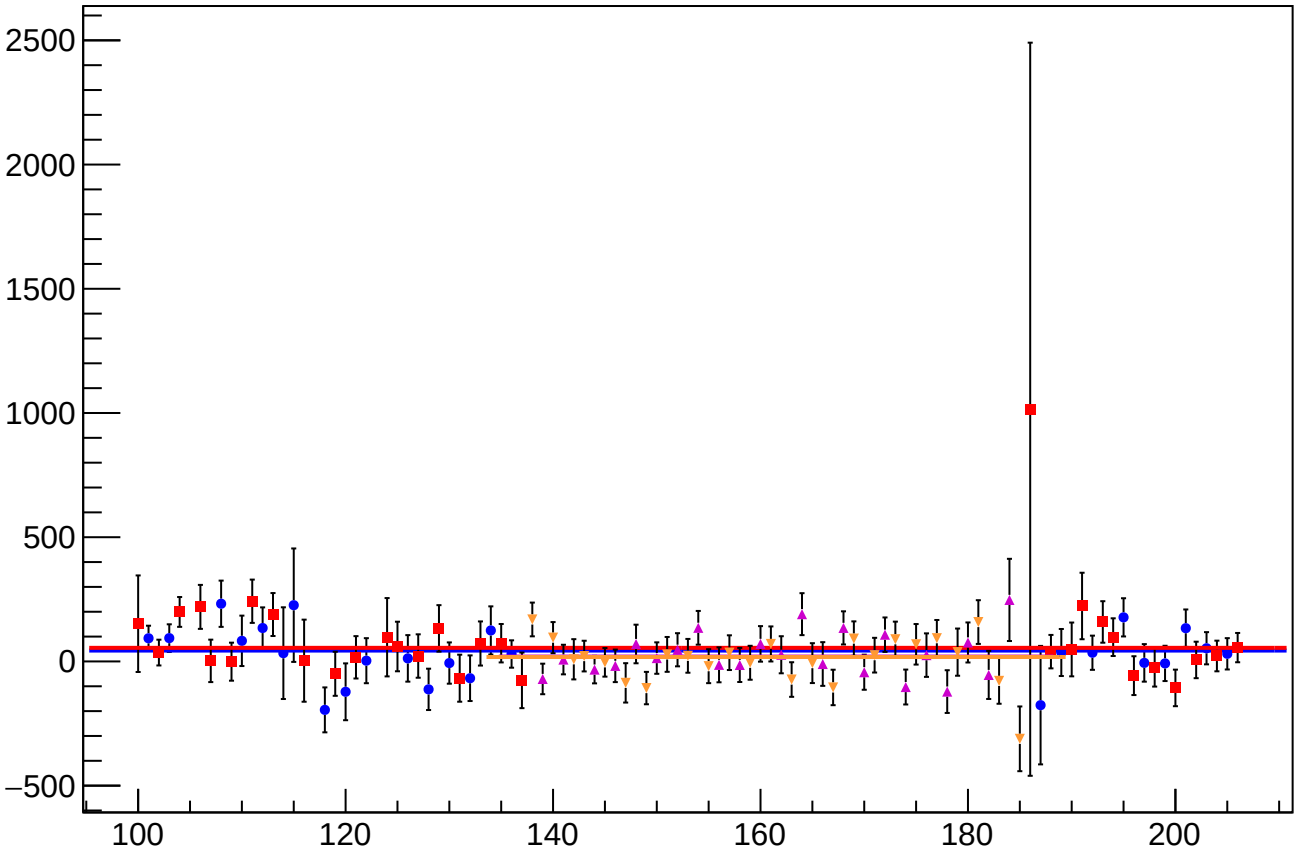
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 130.532+/-0.022 χ^2/NDF: 23871411.1/55

In: 167.025+/-0.027 χ^2/NDF:24351509.0/47

Out: 192.354+/-0.027 χ^2/NDF:21086003.9/55

All: 179.361+/-0.019 χ^2/NDF: 45878166.5/10



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.702+/-14.939 χ^2/NDF: 35.9/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

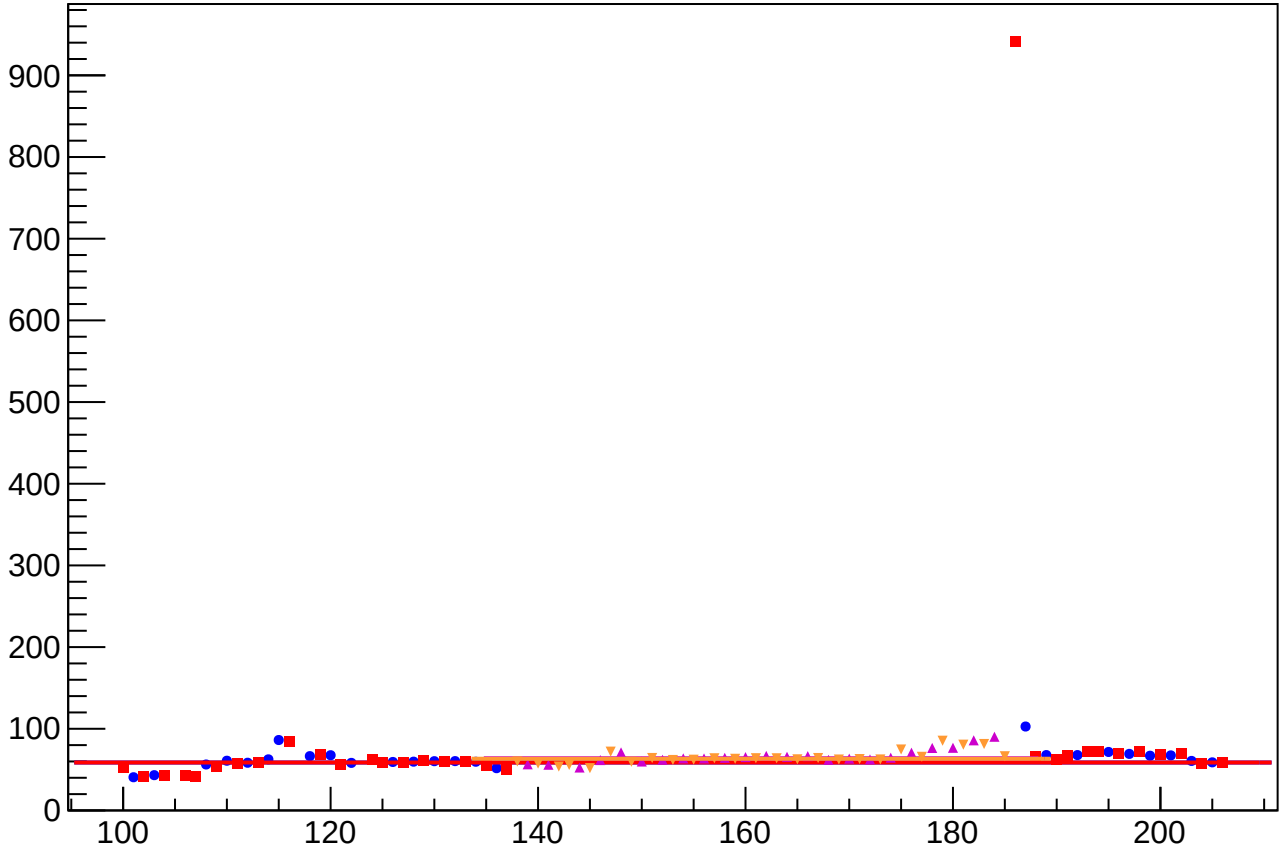
Right: 49.571+/-10.892 χ^2/NDF: 65.9/55

In: 31.014+/-10.931 χ^2/NDF:57.2/47

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 33.472+/-7.536 χ^2/NDF: 127.9/103

eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

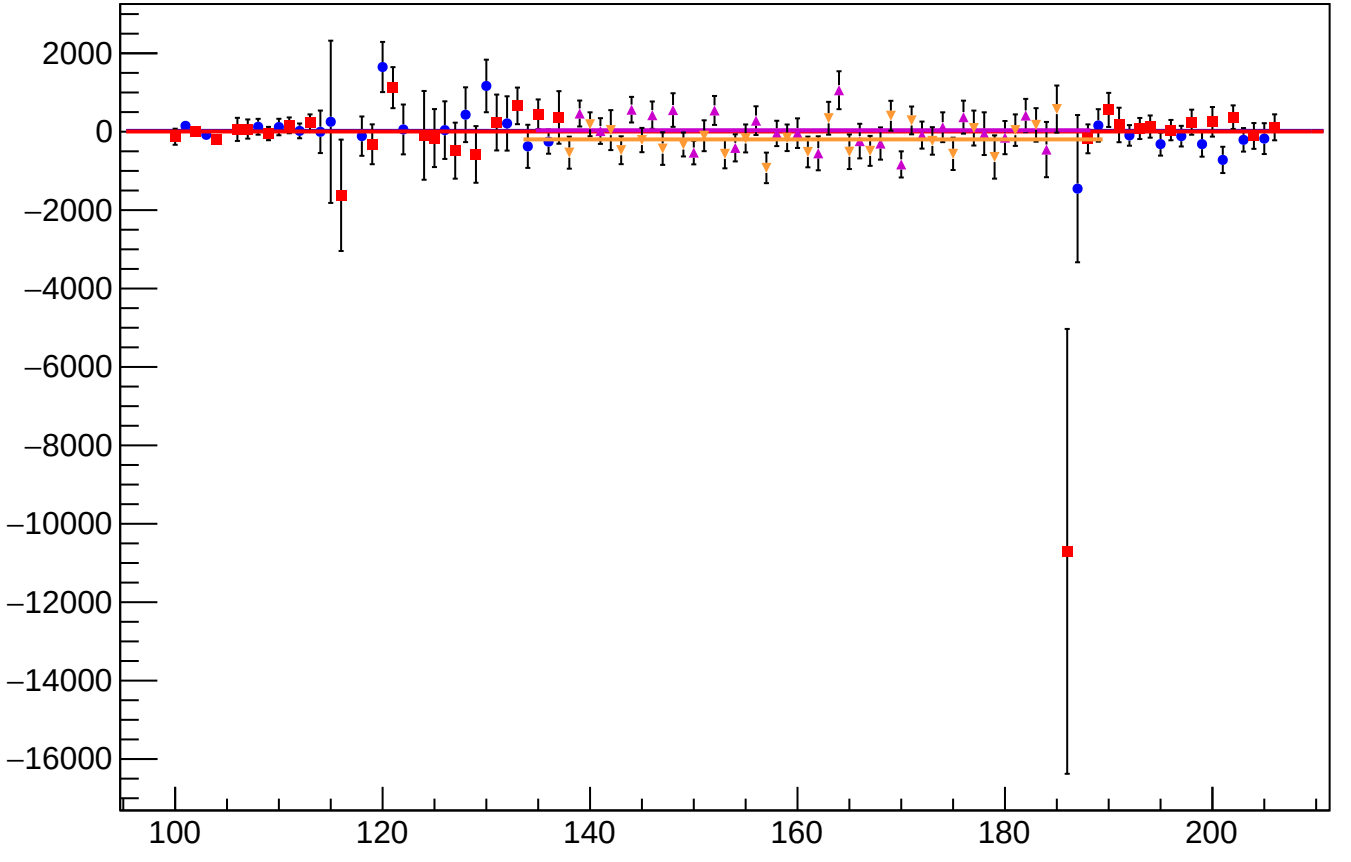
Right: 58.695+/-0.008 χ^2/NDF: 2424628.2/55

In: 61.450+/-0.008 χ^2/NDF:1335872.8/47

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.254+/-0.005 χ^2/NDF: 3580857.0/103

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

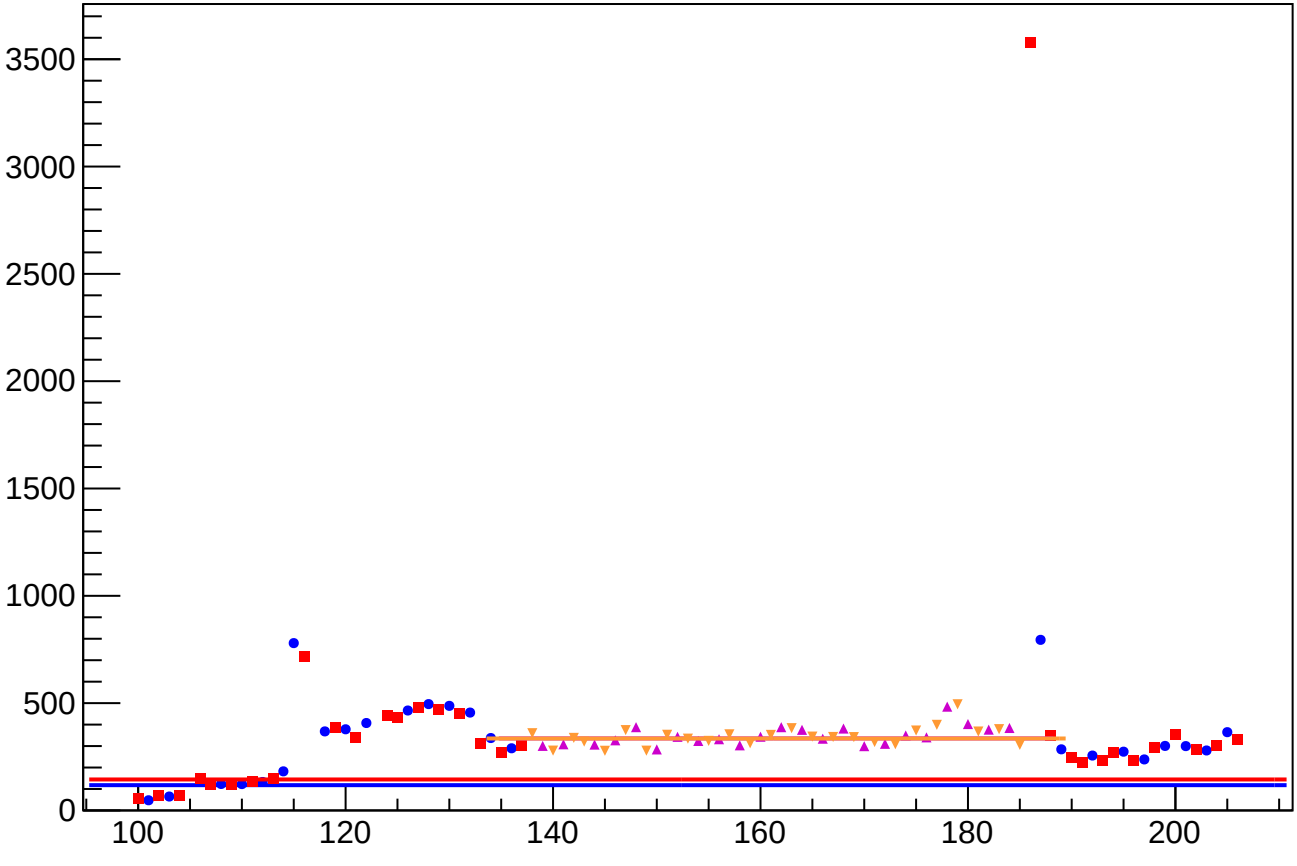
Right: 13.661+/-30.904 χ^2/NDF: 53.0/55

In: 24.366+/-37.657 χ^2/NDF:57.1/47

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -9.358+/-26.971 χ^2/NDF: 111.4/103

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

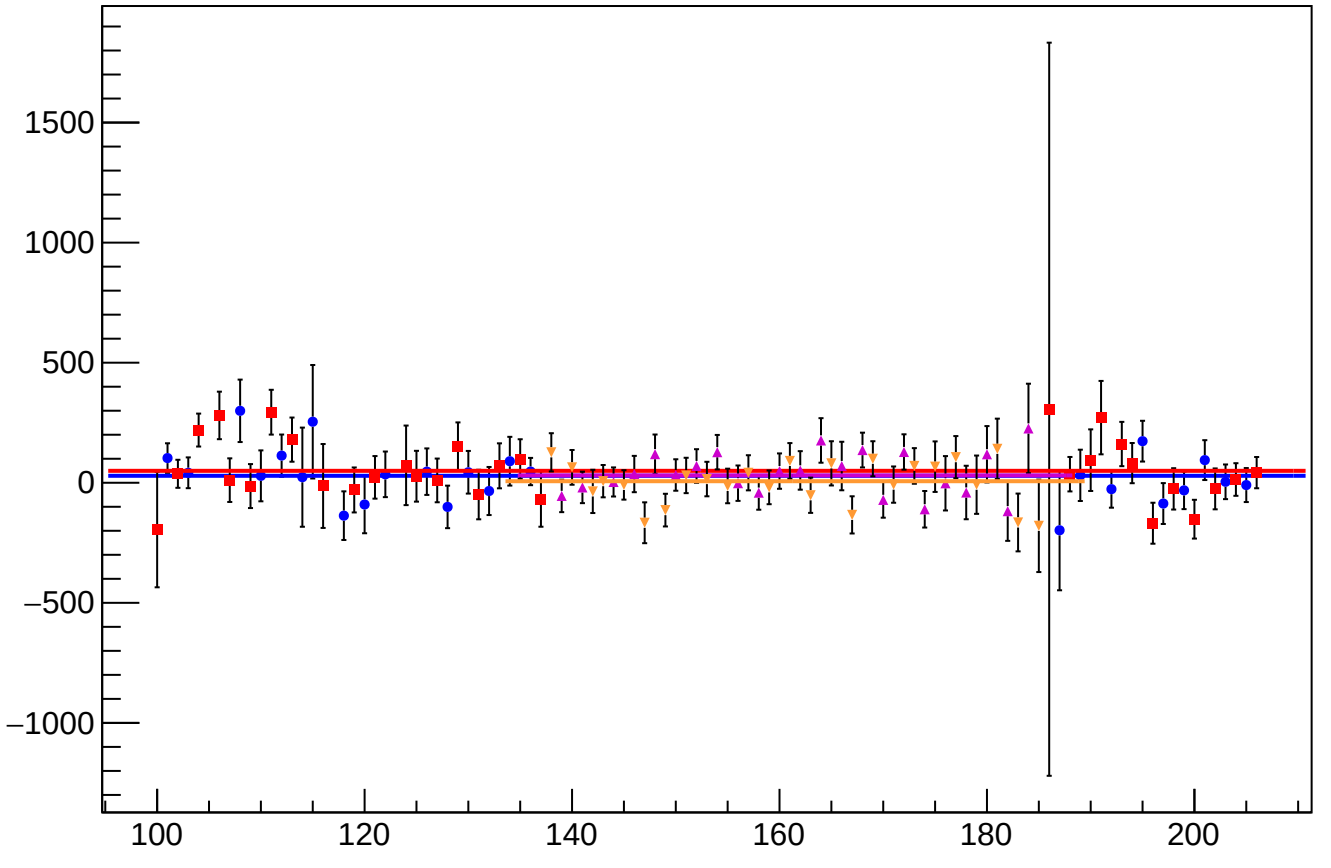
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 130.532+/-0.022 χ^2/NDF: 23871411.1/55

In: 167.025+/-0.027 χ^2/NDF:24351509.0/47

Out: 192.354+/-0.027 χ^2/NDF:21086003.9/55

All: 179.361+/-0.019 χ^2/NDF: 45878166.5/10



Right In: 29.040+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 49.711+/-16.388 χ^2/NDF: 45.2/30

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

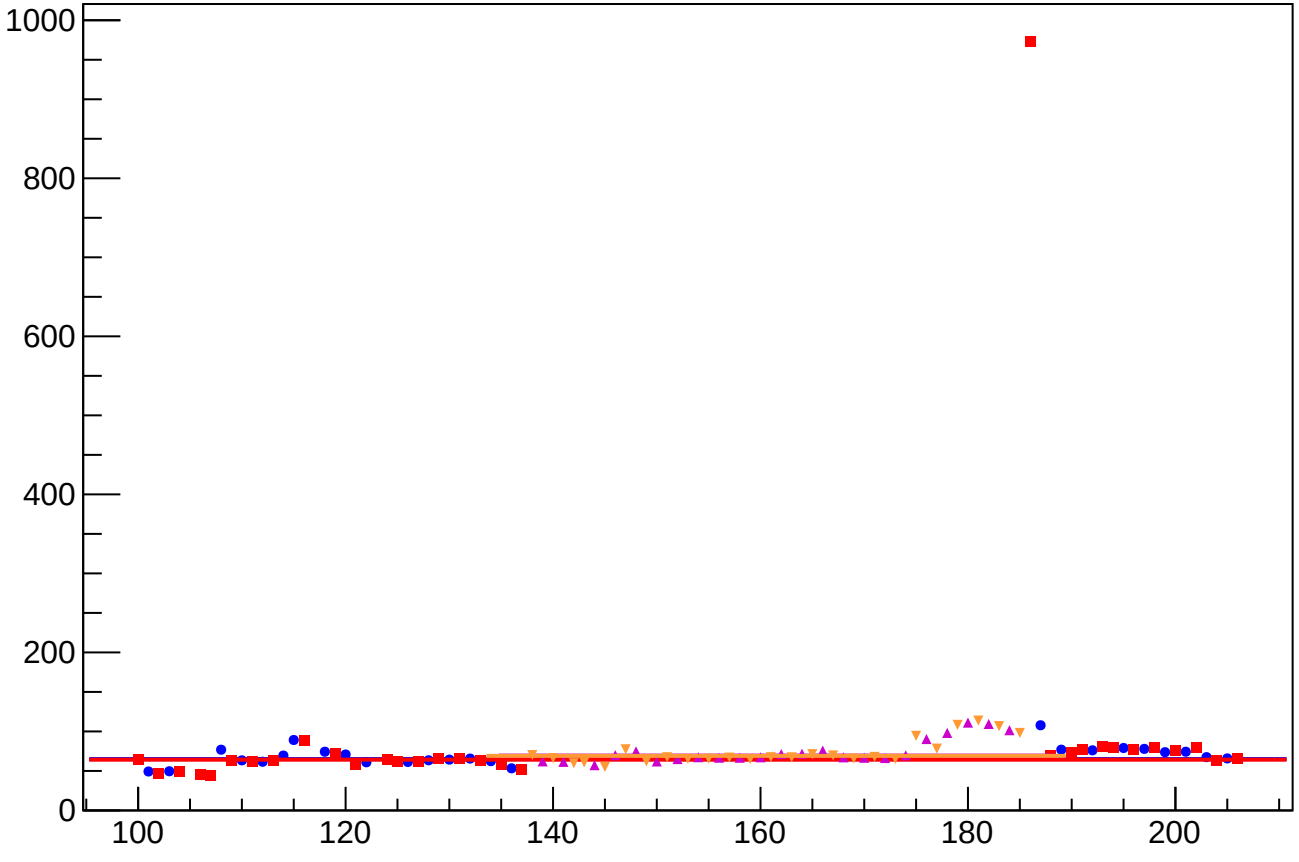
Right: 40.123+/-12.000 χ^2/NDF: 68.0/55

In: 29.904+/-12.045 χ^2/NDF:44.5/47

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 28.662+/-8.295 χ^2/NDF: 118.4/103

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.977+/-0.012 χ^2/NDF: 681216.9/24

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.9/30

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

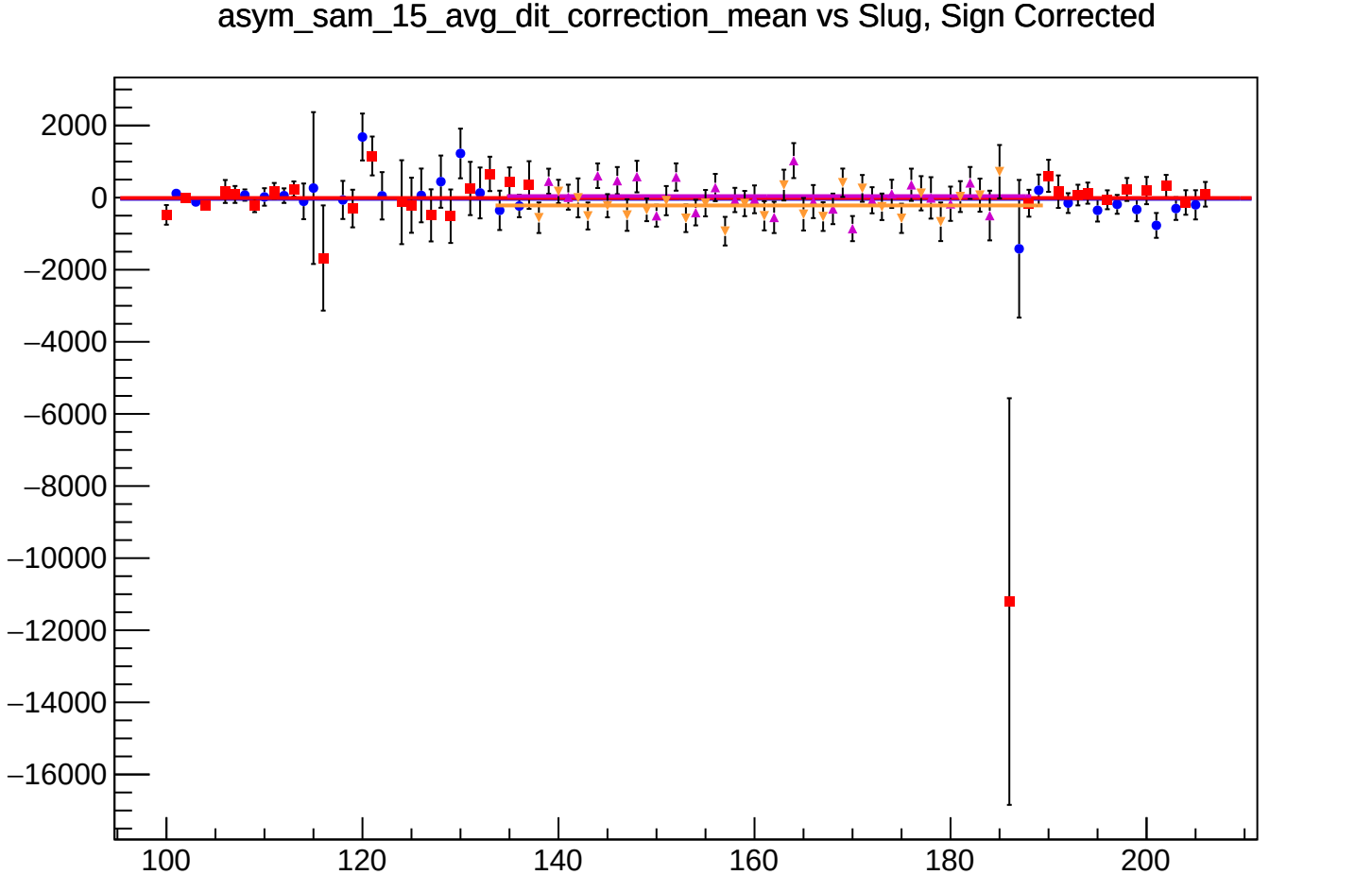
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.601+/-0.008 χ^2/NDF: 2316828.5/55

In: 67.353+/-0.009 χ^2/NDF:1674053.3/47

Out: 66.738+/-0.008 χ^2/NDF:2795967.0/55

All: 67.030+/-0.006 χ^2/NDF: 4472755.4/103



Right In: -33.617+/-48.450 χ^2/NDF: 24.4/24

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.882+/-46.982 χ^2/NDF: 30.6/30

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

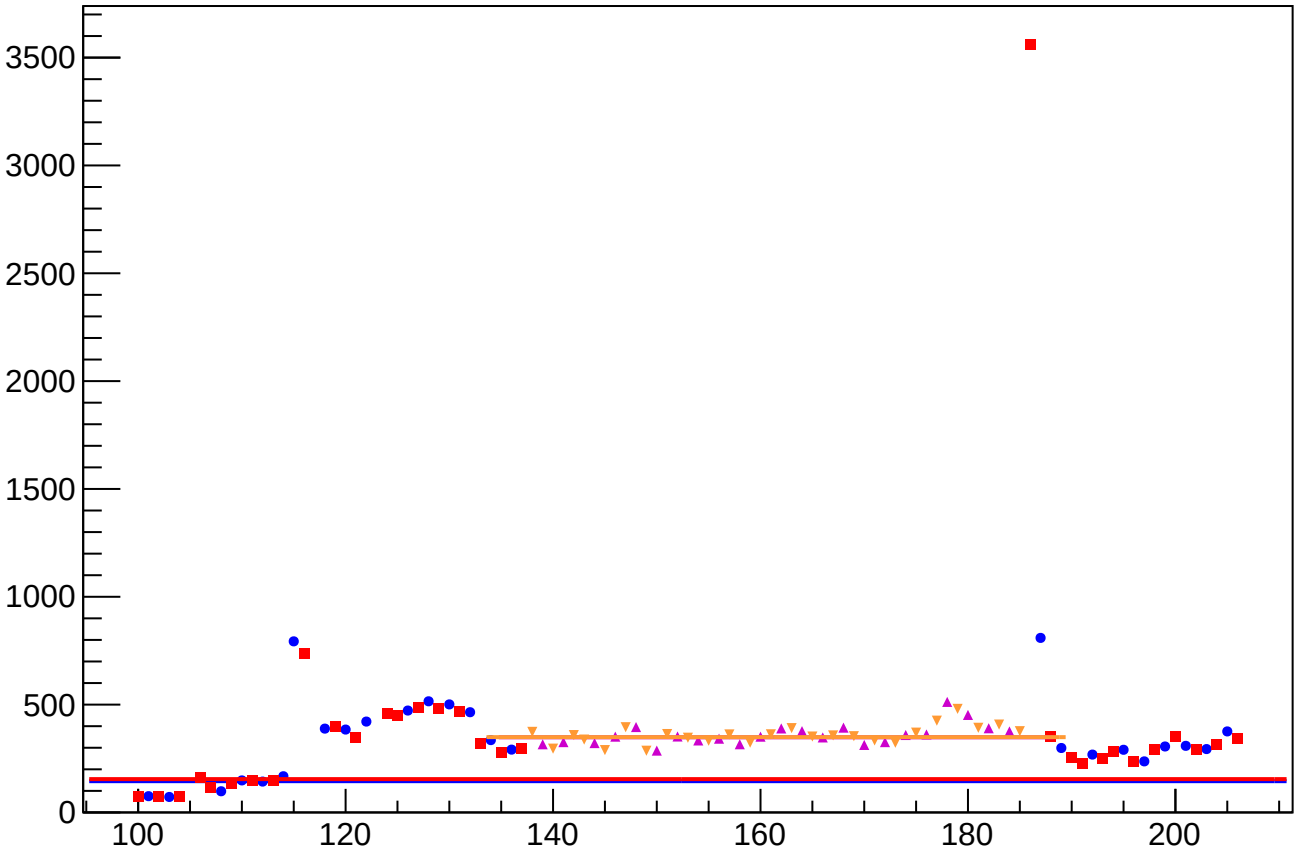
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -21.900+/-33.728 χ^2/NDF: 55.1/55

In: -14.266+/-41.746 χ^2/NDF:55.0/47

Out: -63.698+/-40.529 χ^2/NDF:54.8/55

All: -39.713+/-29.079 χ^2/NDF: 110.5/103



Right In: 145.039+/-0.034 χ^2/NDF: 9943452.2/24

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751373.4/30

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

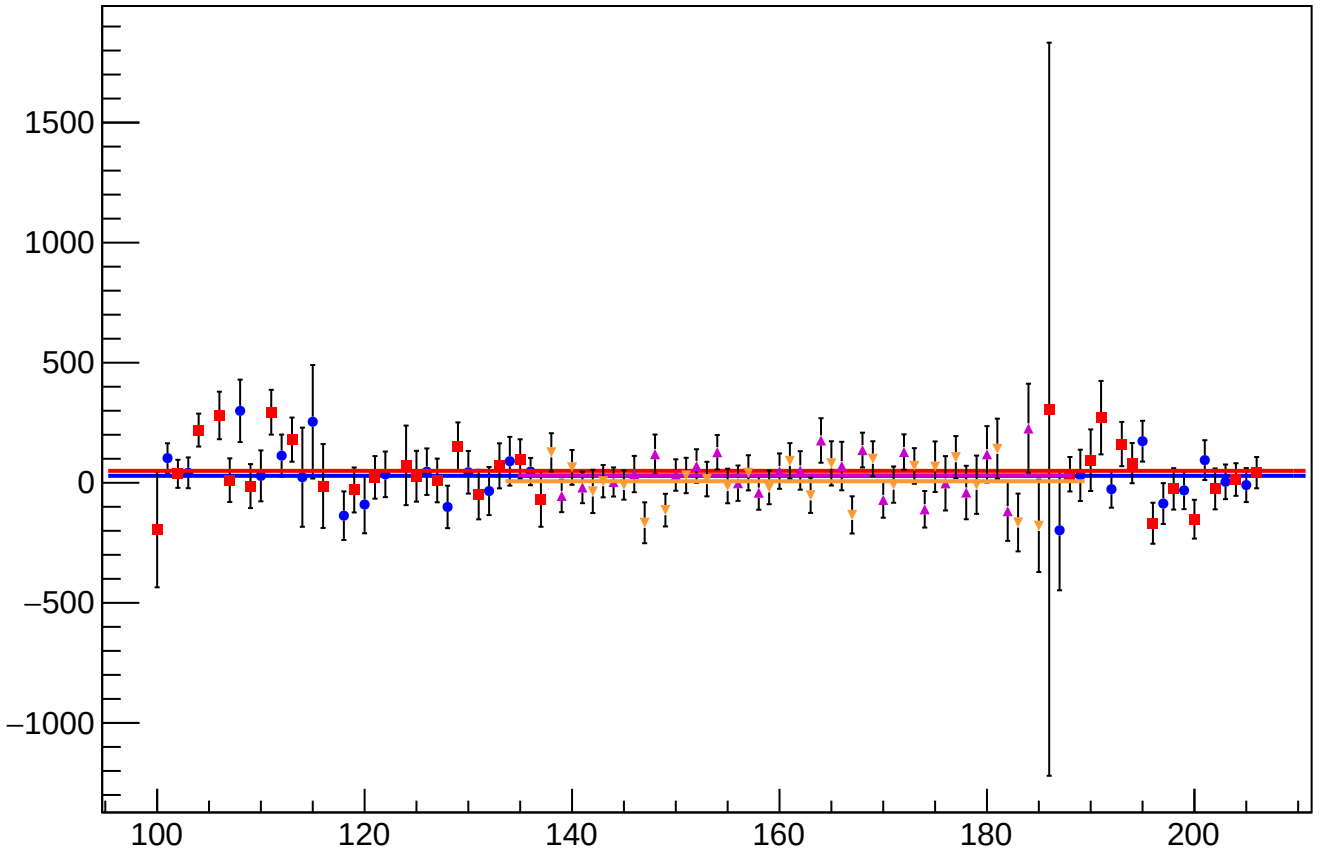
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 149.957+/-0.024 χ^2/NDF: 20734816.3/55

In: 197.460+/-0.030 χ^2/NDF:19559220.3/47

Out: 204.361+/-0.029 χ^2/NDF:20052541.7/55

All: 201.013+/-0.021 χ^2/NDF: 39639895.6/10



Right In: 29.039+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 49.711+/-16.388 χ^2/NDF: 45.2/30

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

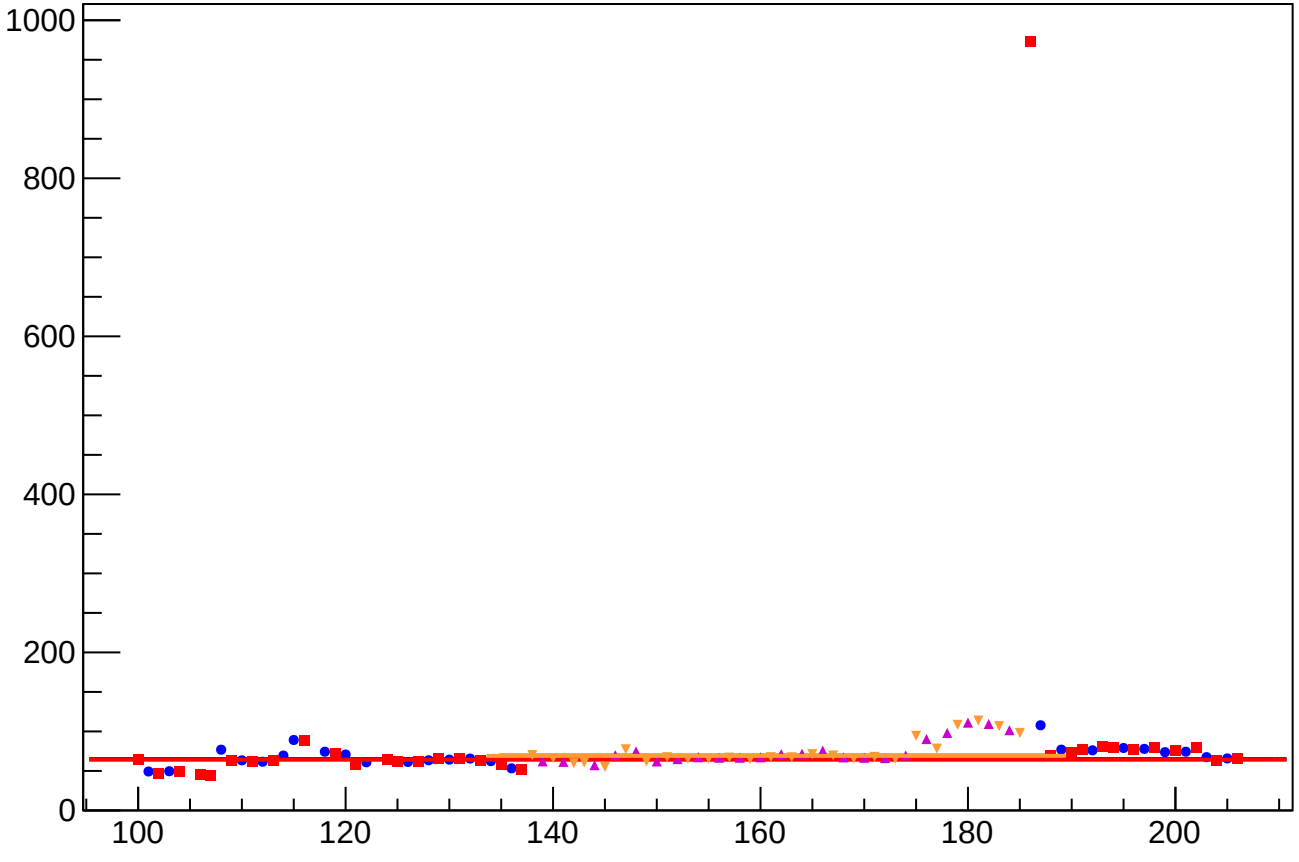
Right: 40.123+/-12.000 χ^2/NDF: 68.0/55

In: 29.904+/-12.045 χ^2/NDF:44.5/47

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 28.662+/-8.295 χ^2/NDF: 118.4/103

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.977+/-0.012 χ^2/NDF: 681217.1/24

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.7/30

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

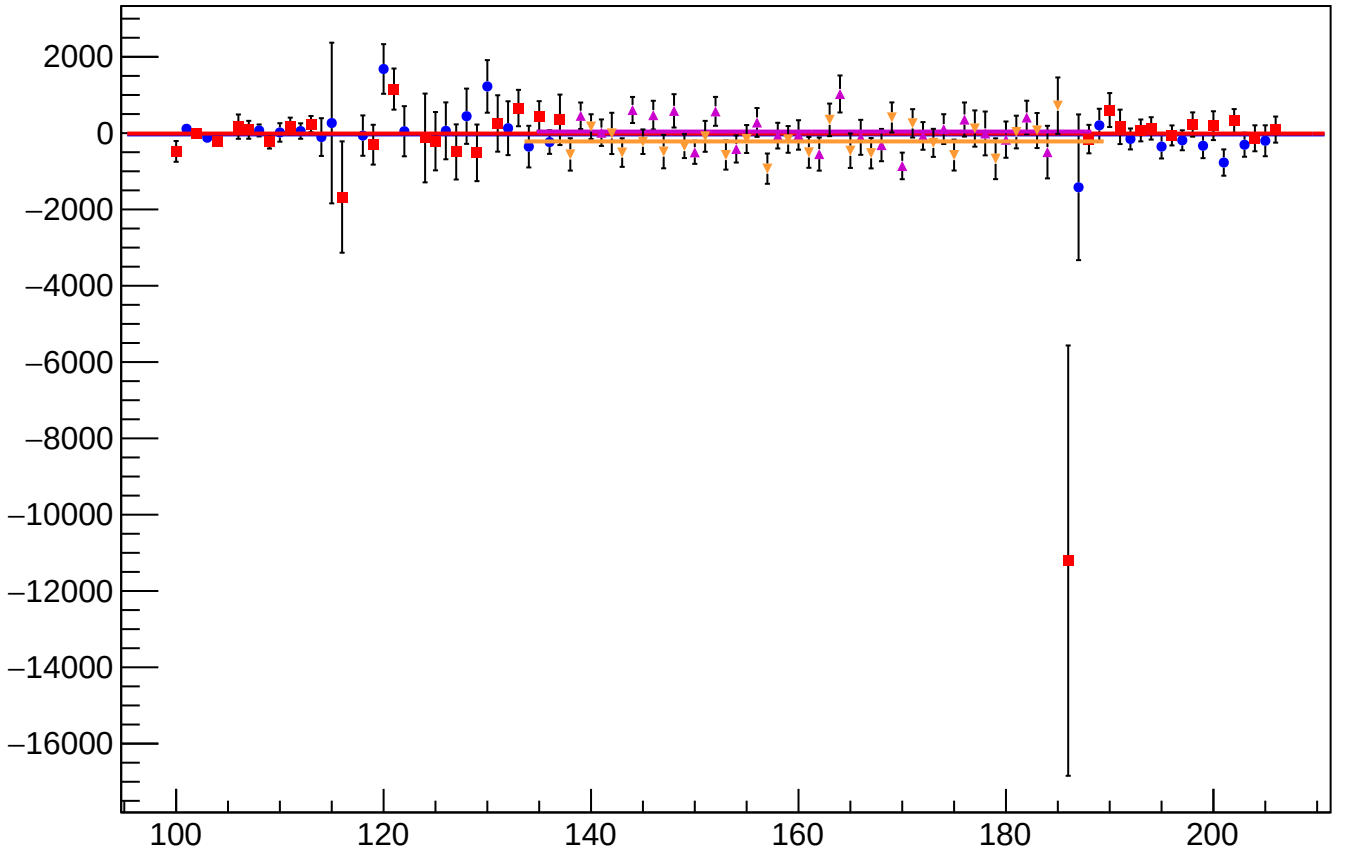
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.601+/-0.008 χ^2/NDF: 2316828.5/55

In: 67.353+/-0.009 χ^2/NDF:1674044.6/47

Out: 66.738+/-0.008 χ^2/NDF:2795954.9/55

All: 67.030+/-0.006 χ^2/NDF: 4472735.0/103



Right In: -33.617+/-48.449 χ^2/NDF: 24.4/24

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.882+/-46.981 χ^2/NDF: 30.6/30

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

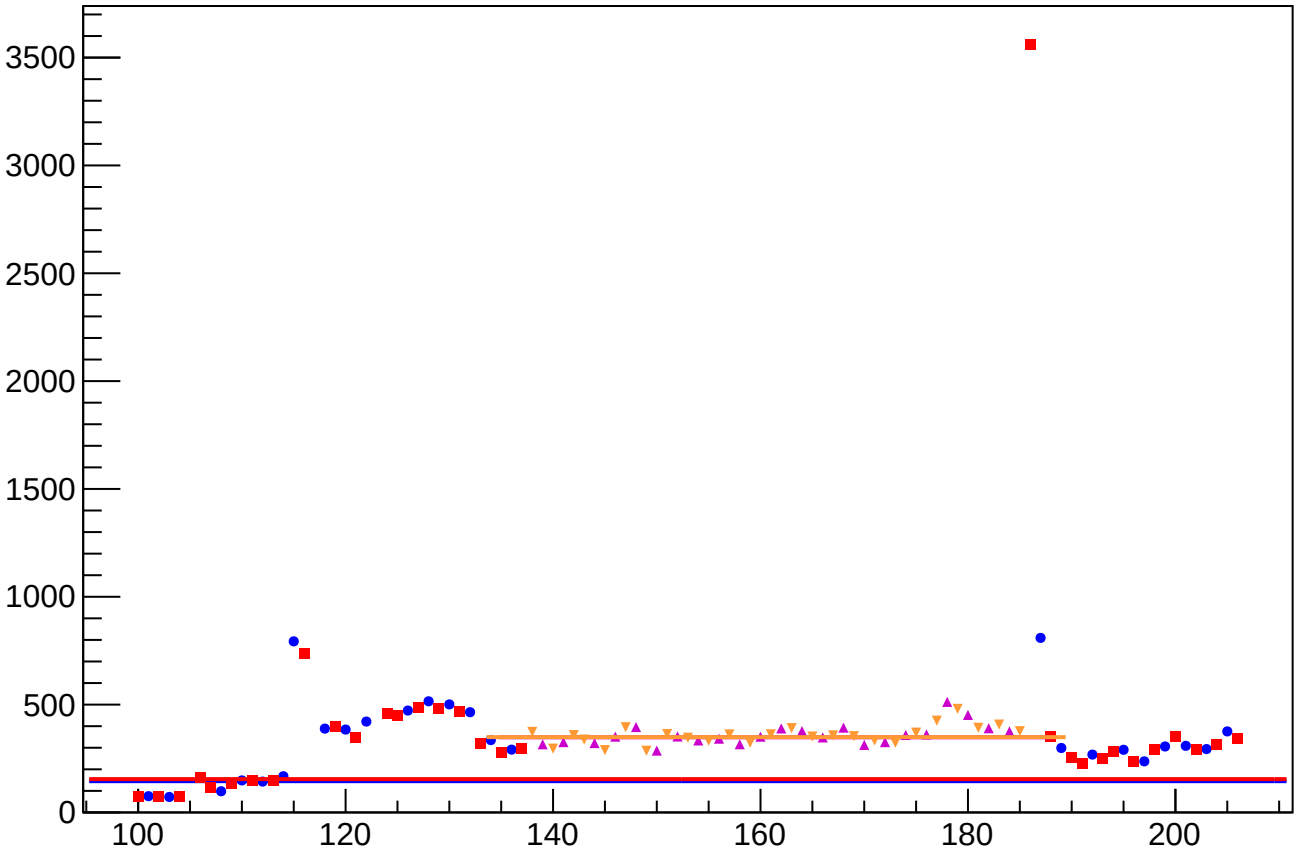
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -21.900+/-33.728 χ^2/NDF: 55.1/55

In: -14.266+/-41.746 χ^2/NDF:55.0/47

Out: -63.697+/-40.529 χ^2/NDF:54.8/55

All: -39.713+/-29.079 χ^2/NDF: 110.5/103



Right In: 145.039+/-0.034 χ^2/NDF: 9943467.4/24

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751417.3/30

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

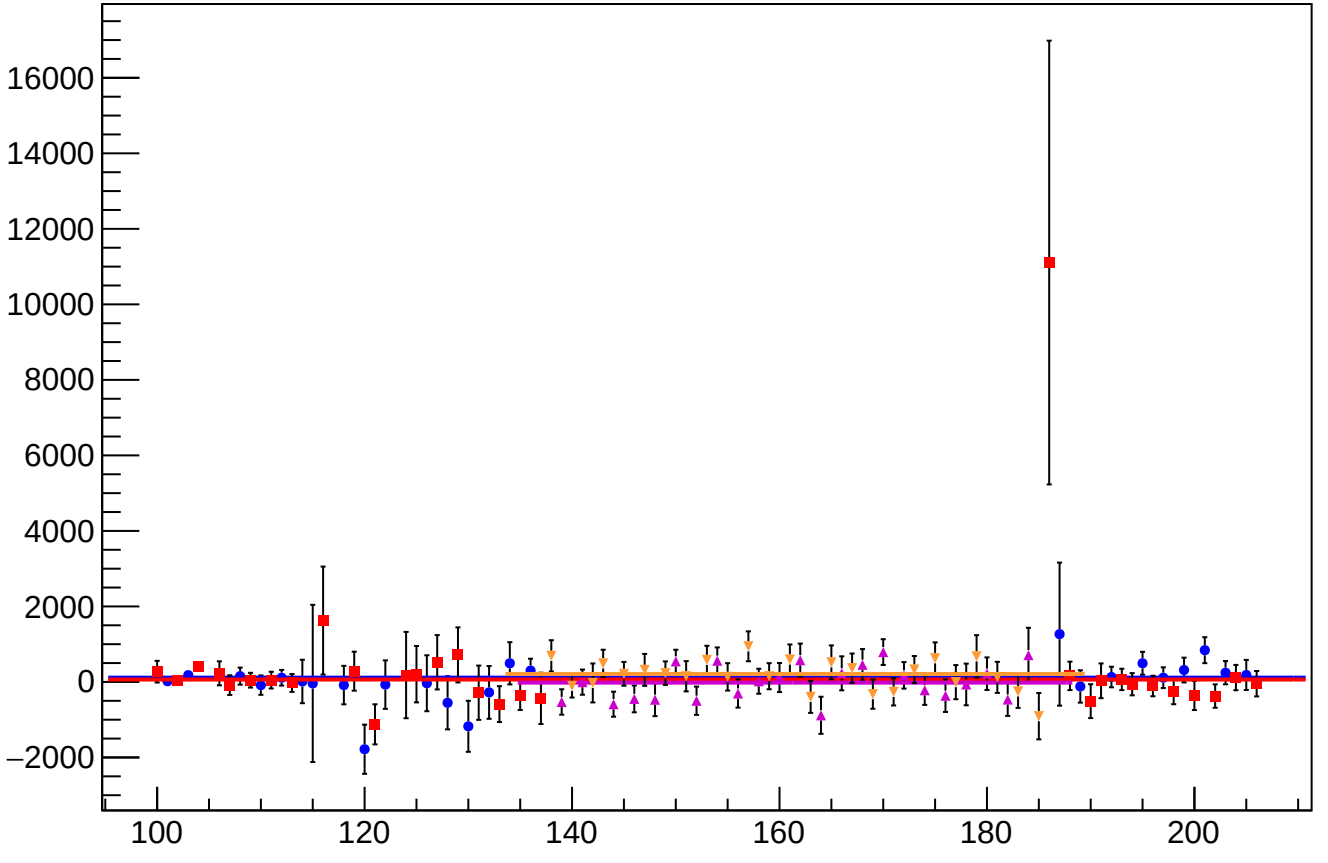
Right: 149.957+/-0.024 χ^2/NDF: 20734874.4/55

In: 197.460+/-0.030 χ^2/NDF:19559293.8/47

Out: 204.361+/-0.029 χ^2/NDF:20052653.8/55

All: 201.012+/-0.021 χ^2/NDF: 39640080.4/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 113.928+/-52.450 χ^2/NDF: 23.7/24

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 63.764+/-50.229 χ^2/NDF: 32.2/30

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

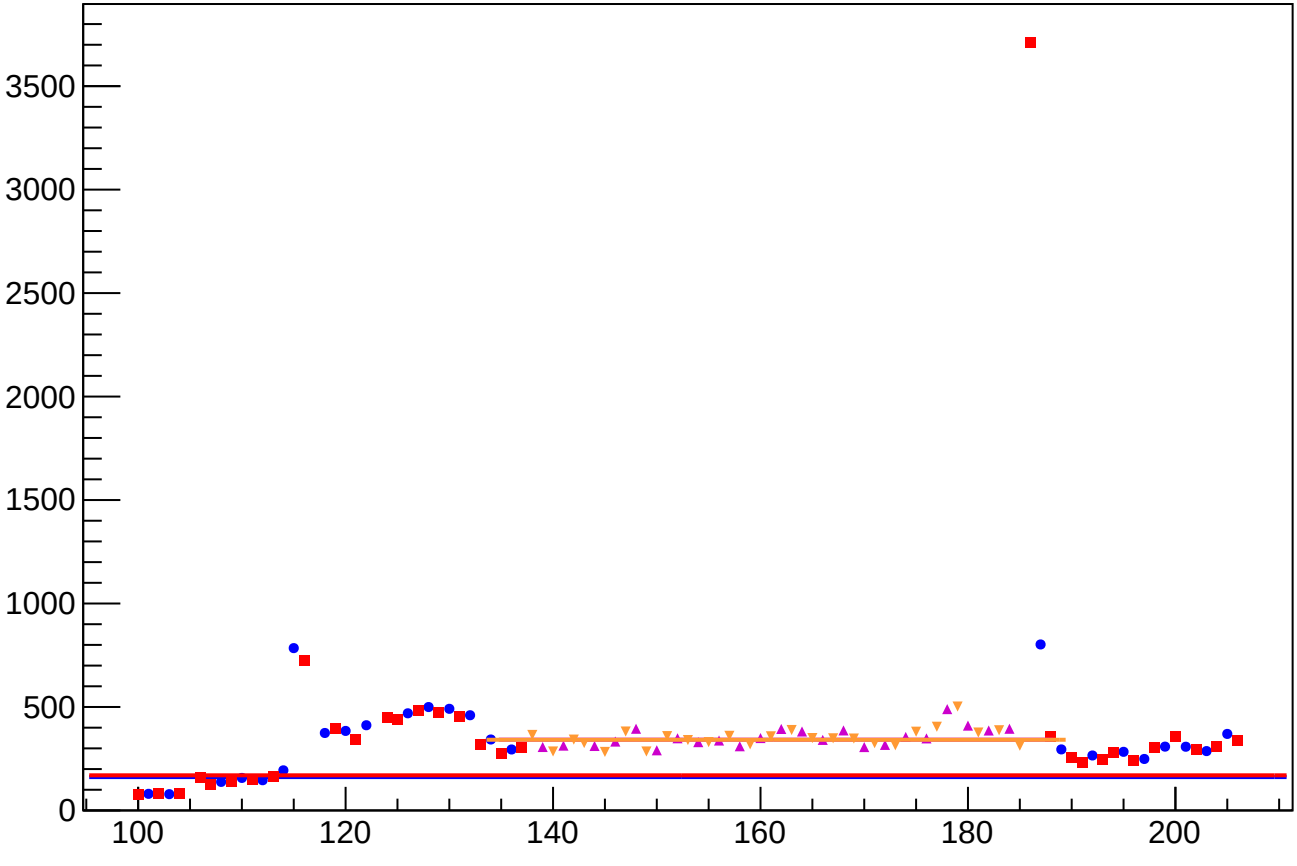
Right: 87.761+/-36.277 χ^2/NDF: 56.3/55

In: 74.529+/-43.978 χ^2/NDF:57.6/47

Out: 106.183+/-42.311 χ^2/NDF:56.1/55

All: 90.967+/-30.490 χ^2/NDF: 113.9/103

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 161.294+/-0.037 χ^2/NDF: 8813720.8/24

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 169.833+/-0.036 χ^2/NDF: 9468328.9/30

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

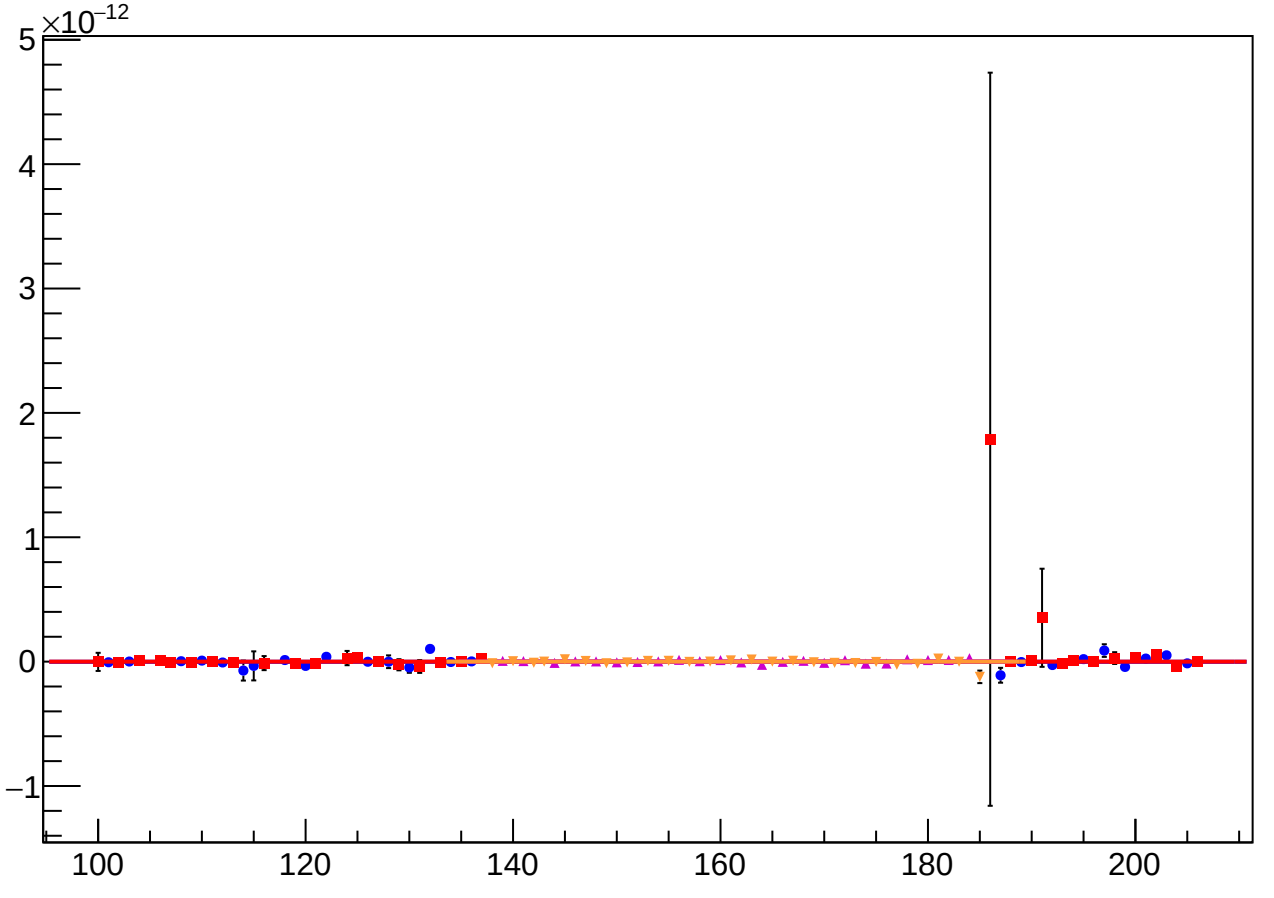
Right: 165.748+/-0.026 χ^2/NDF: 18309697.3/55

In: 214.943+/-0.031 χ^2/NDF:16345006.0/47

Out: 219.714+/-0.030 χ^2/NDF:16814092.2/55

All: 217.421+/-0.022 χ^2/NDF: 33171324.0/10

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/30

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

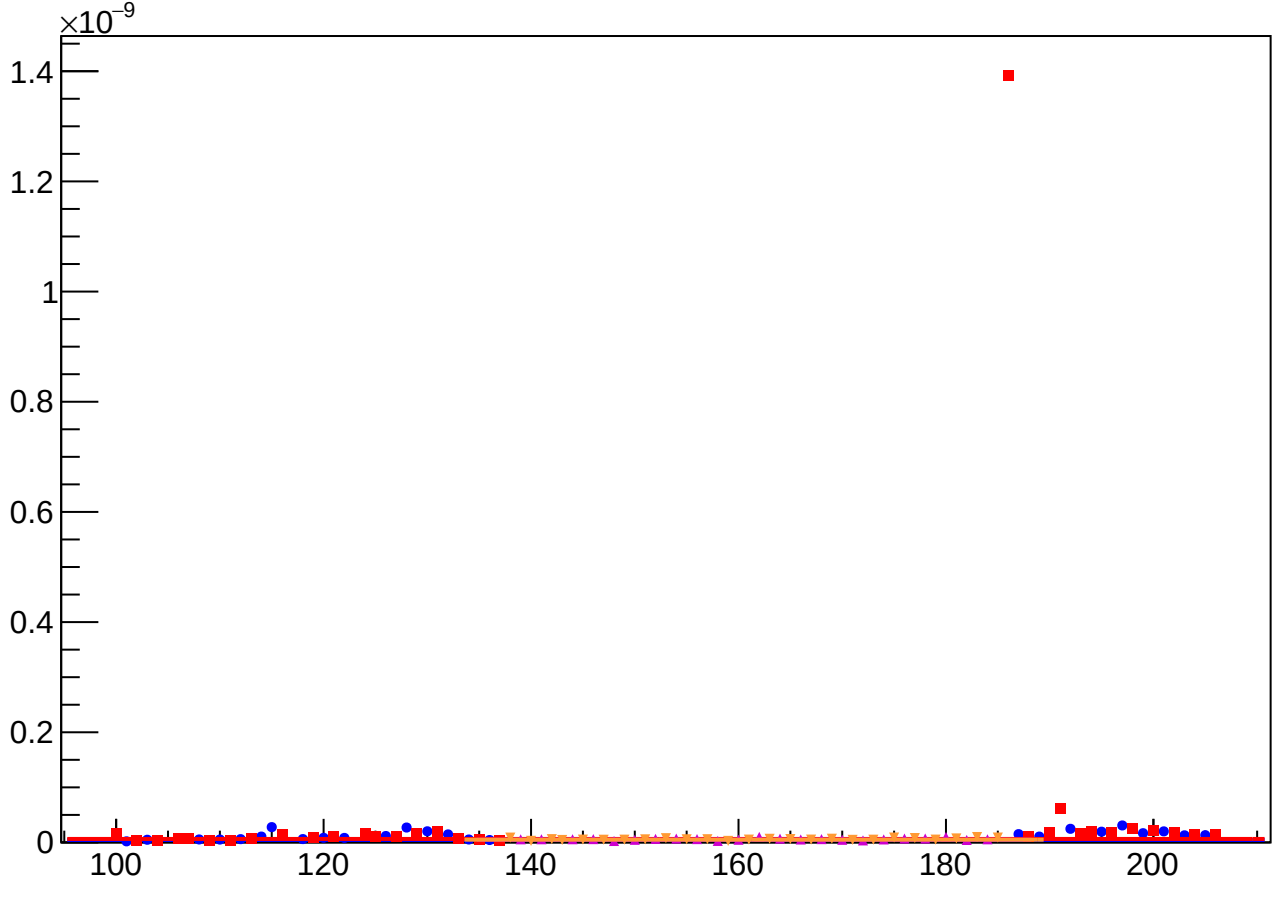
Right: -0.000+/-0.000 χ^2/NDF: 55.7/55

In: 0.000+/-0.000 χ^2/NDF:55.2/47

Out: 0.000+/-0.000 χ^2/NDF:50.0/55

All: 0.000+/-0.000 χ^2/NDF: 105.2/103

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5615120.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4963710.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

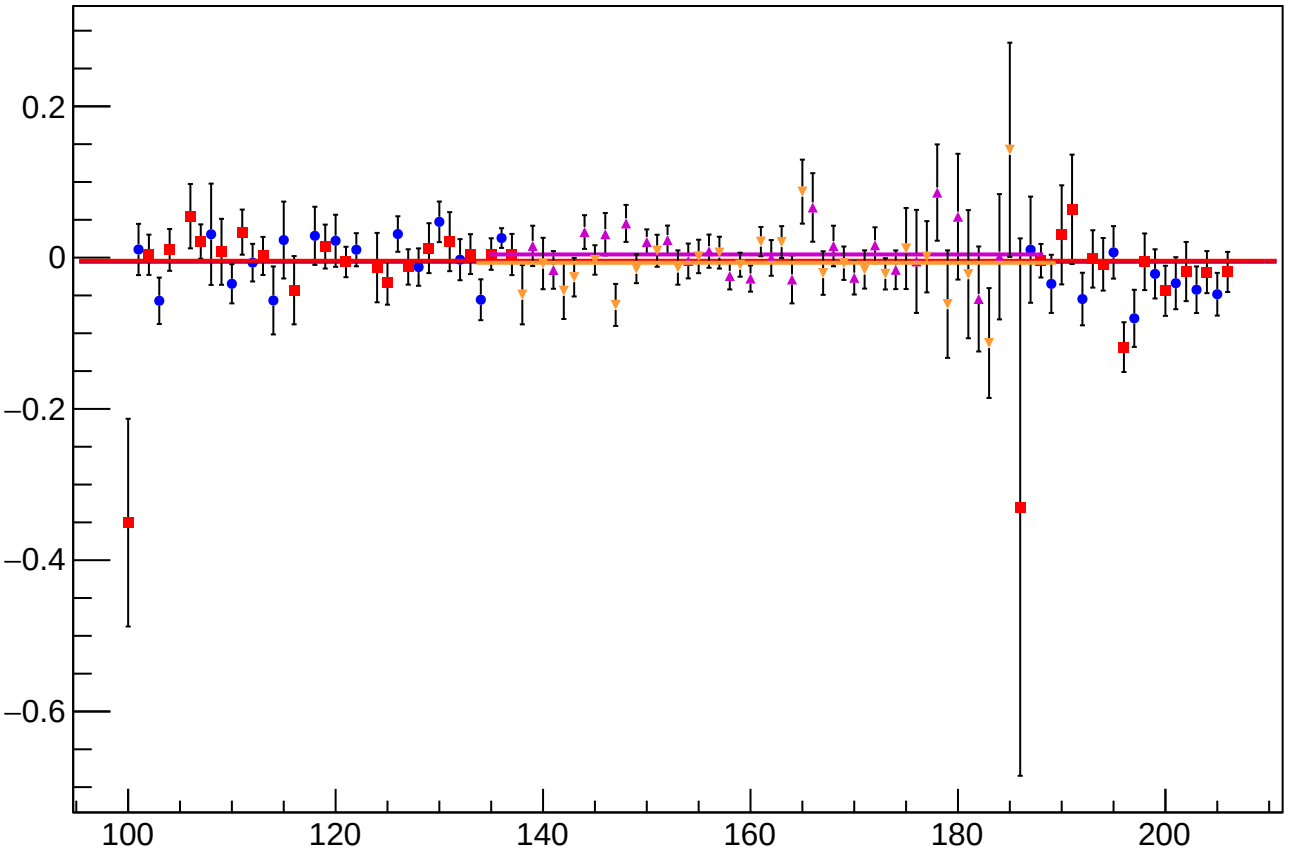
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11056928.6/55

In: 0.000+/-0.000 χ^2/NDF:6891875.8/47

Out: 0.000+/-0.000 χ^2/NDF:6528008.3/55

All: 0.000+/-0.000 χ^2/NDF: 13593585.6/103



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

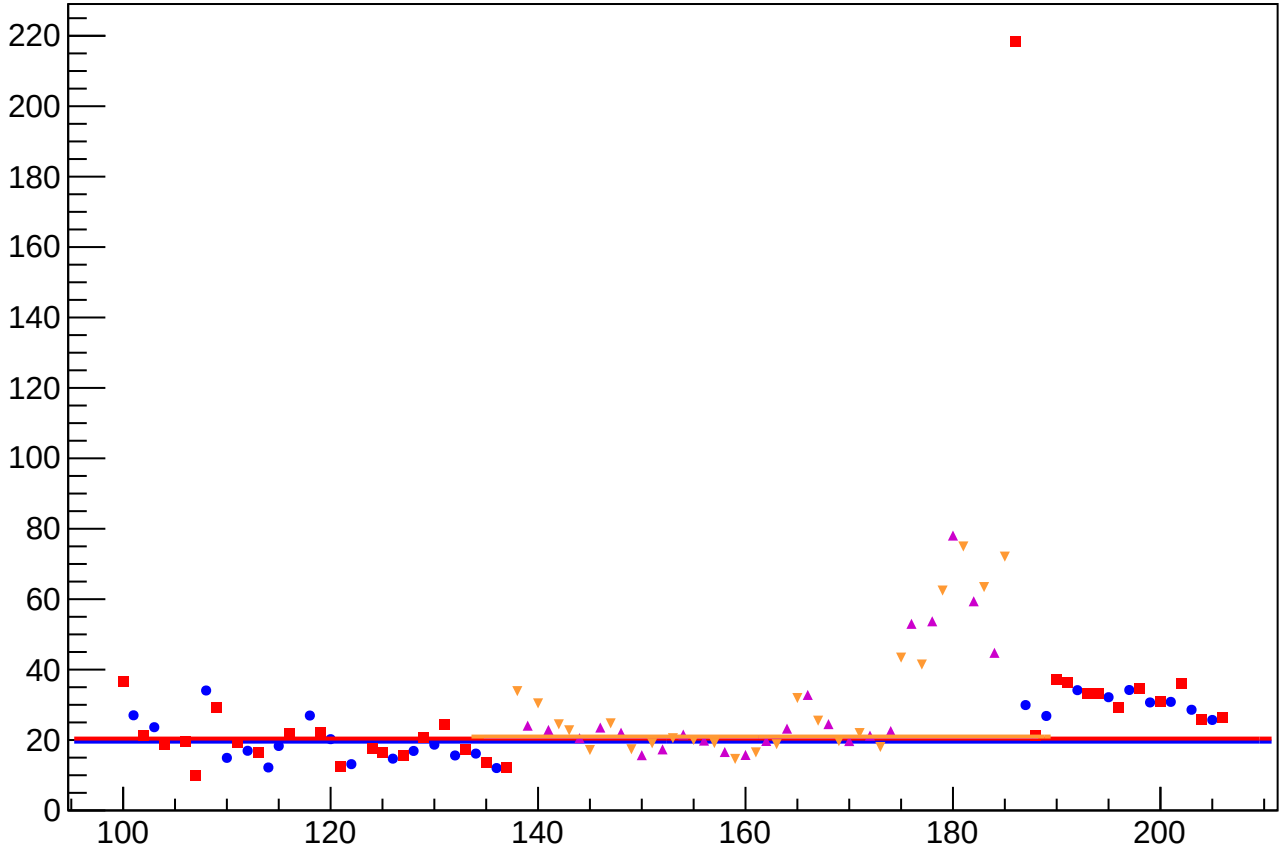
Right: -0.005+/-0.004 χ^2/NDF: 66.4/55

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 113.9/103

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

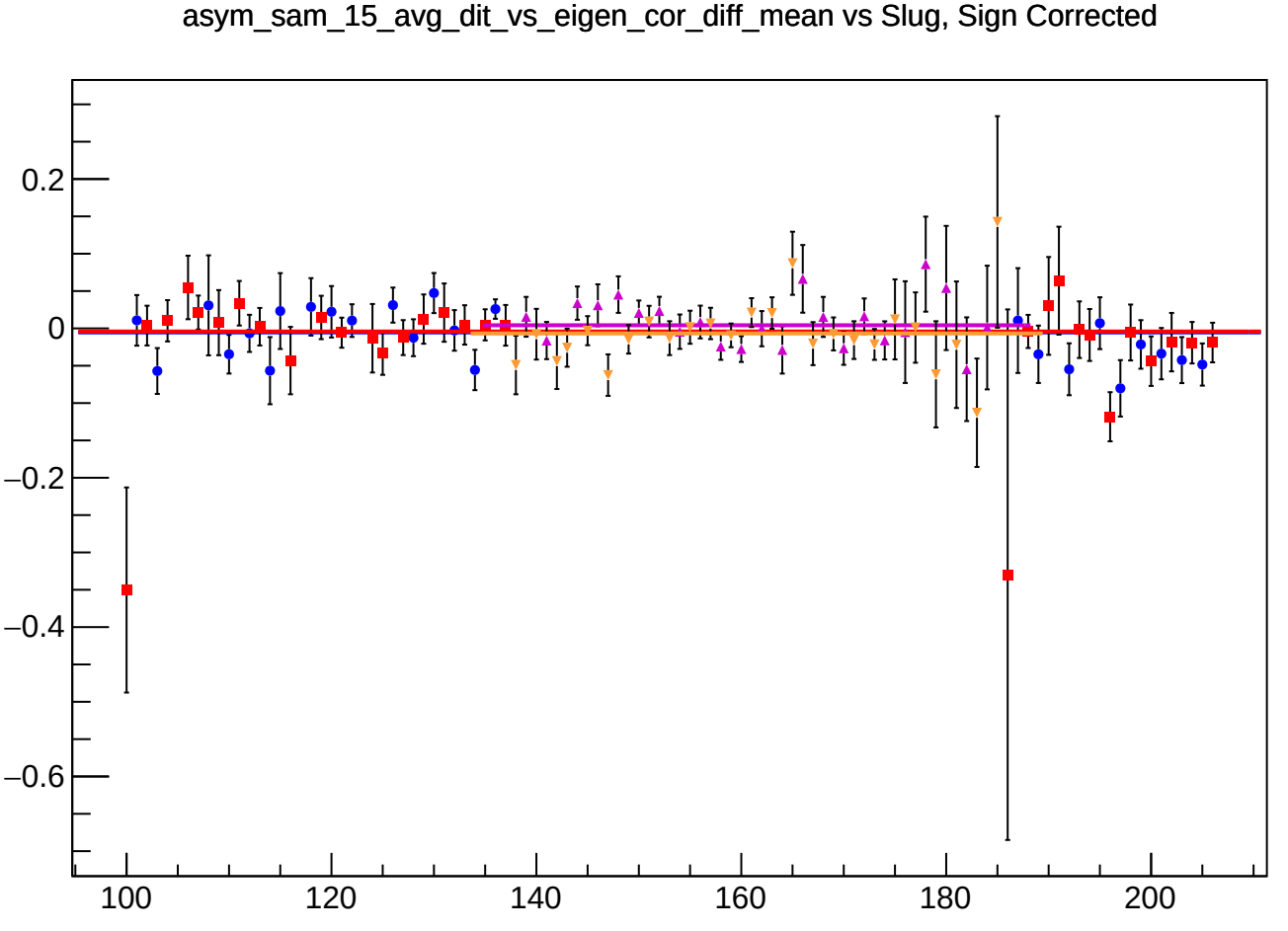
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.993+/-0.003 χ^2/NDF: 7180785.8/55

In: 20.258+/-0.003 χ^2/NDF:6803382.9/47

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.491+/-0.002 χ^2/NDF: 15241916.8/103



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

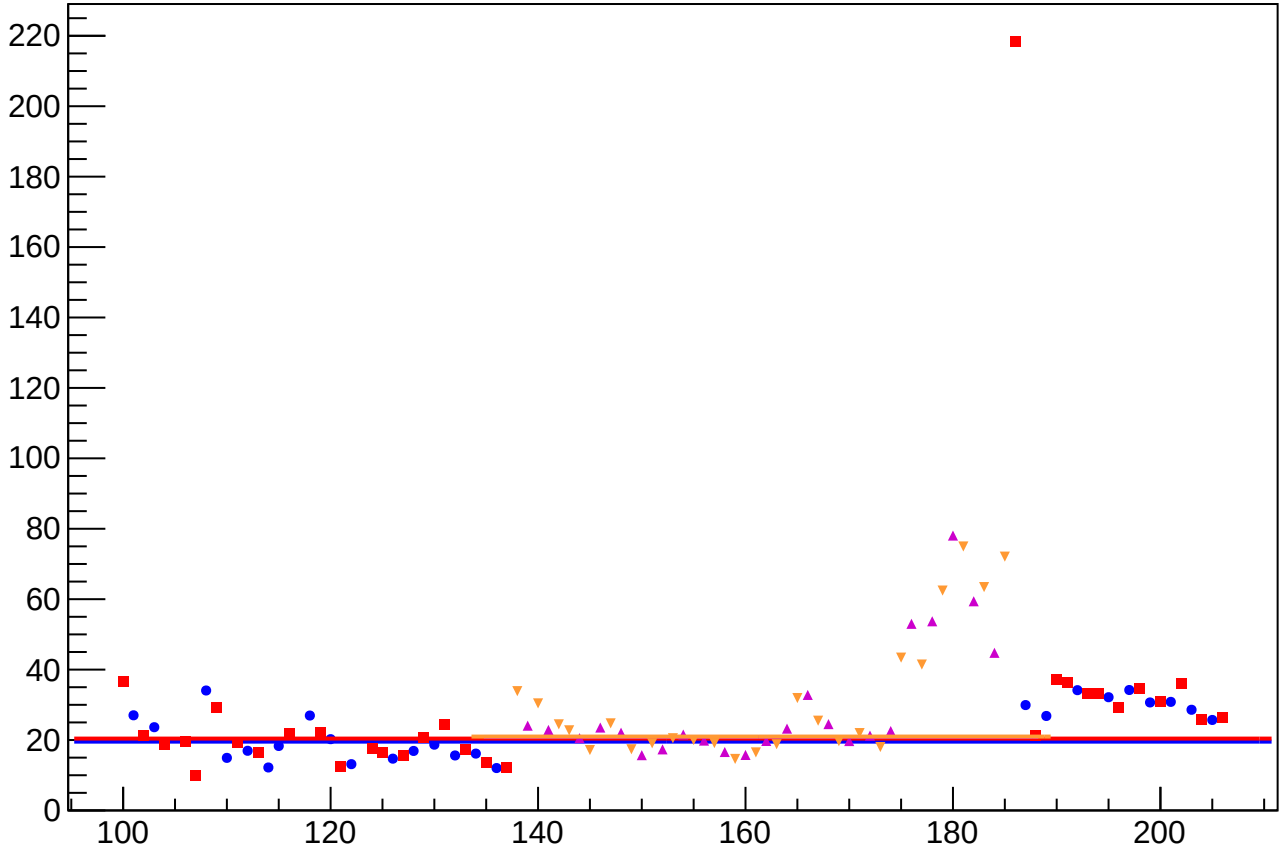
Right: -0.005+/-0.004 χ^2/NDF: 66.4/55

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 113.9/103

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

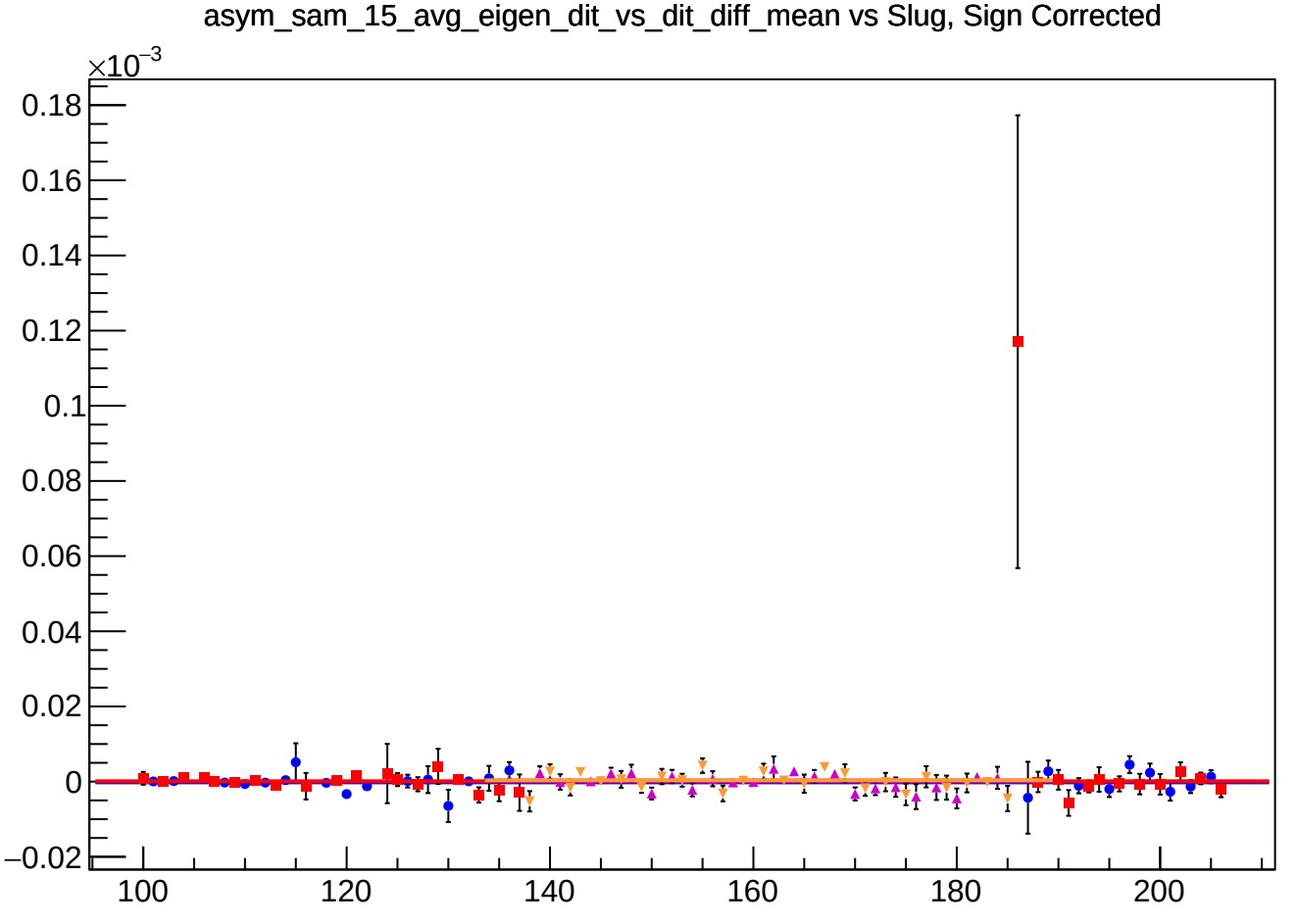
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.993+/-0.003 χ^2/NDF: 7180785.8/55

In: 20.258+/-0.003 χ^2/NDF:6803382.9/47

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.491+/-0.002 χ^2/NDF: 15241916.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/30

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

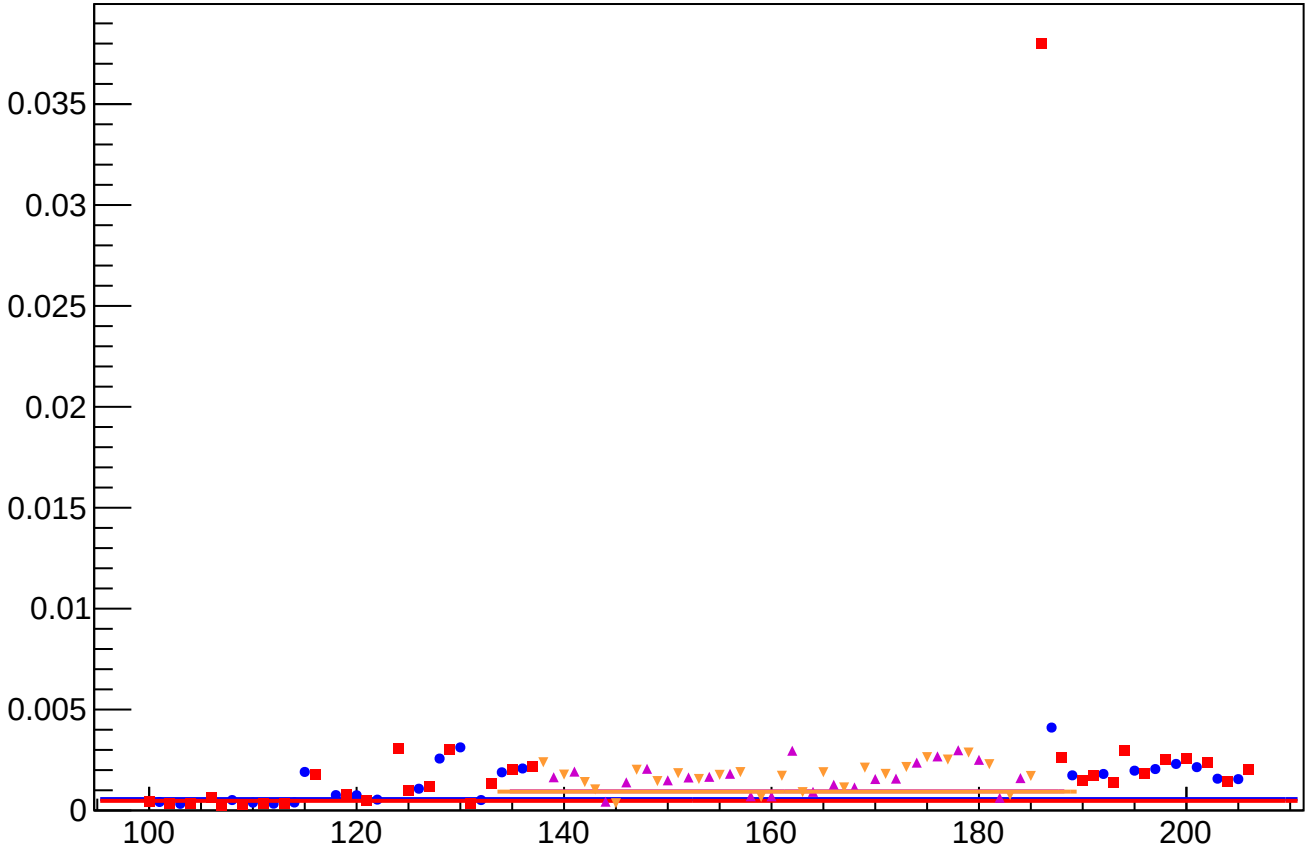
Right: -0.000+/-0.000 χ^2/NDF: 55.8/55

In: -0.000+/-0.000 χ^2/NDF:57.8/47

Out: 0.000+/-0.000 χ^2/NDF:65.3/55

All: 0.000+/-0.000 χ^2/NDF: 123.9/103

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10853311.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15204140.5/30

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

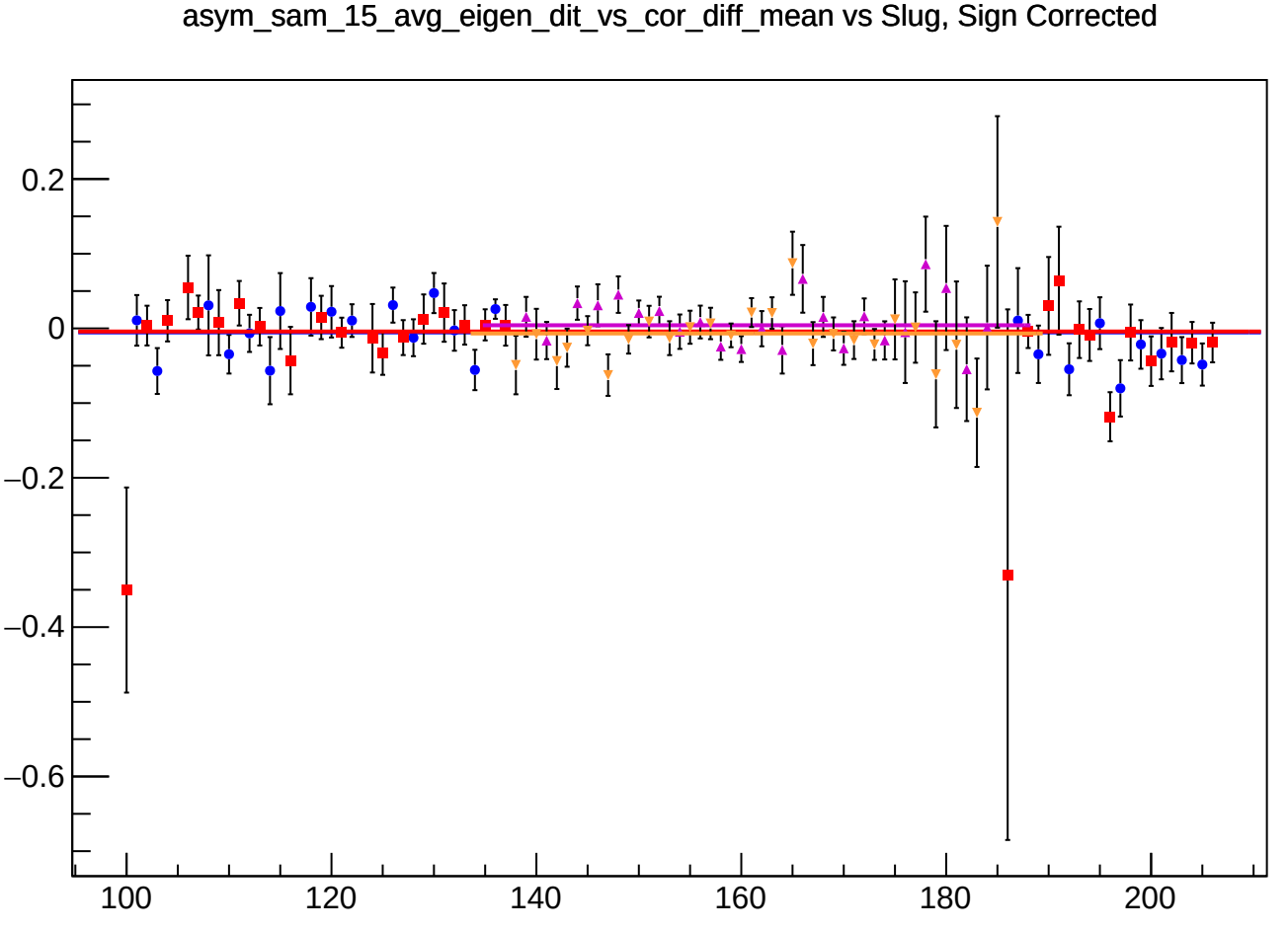
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 26282555.1/55

In: 0.001+/-0.000 χ^2/NDF:23032354.2/47

Out: 0.001+/-0.000 χ^2/NDF:31540699.4/55

All: 0.001+/-0.000 χ^2/NDF: 54975738.0/103



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

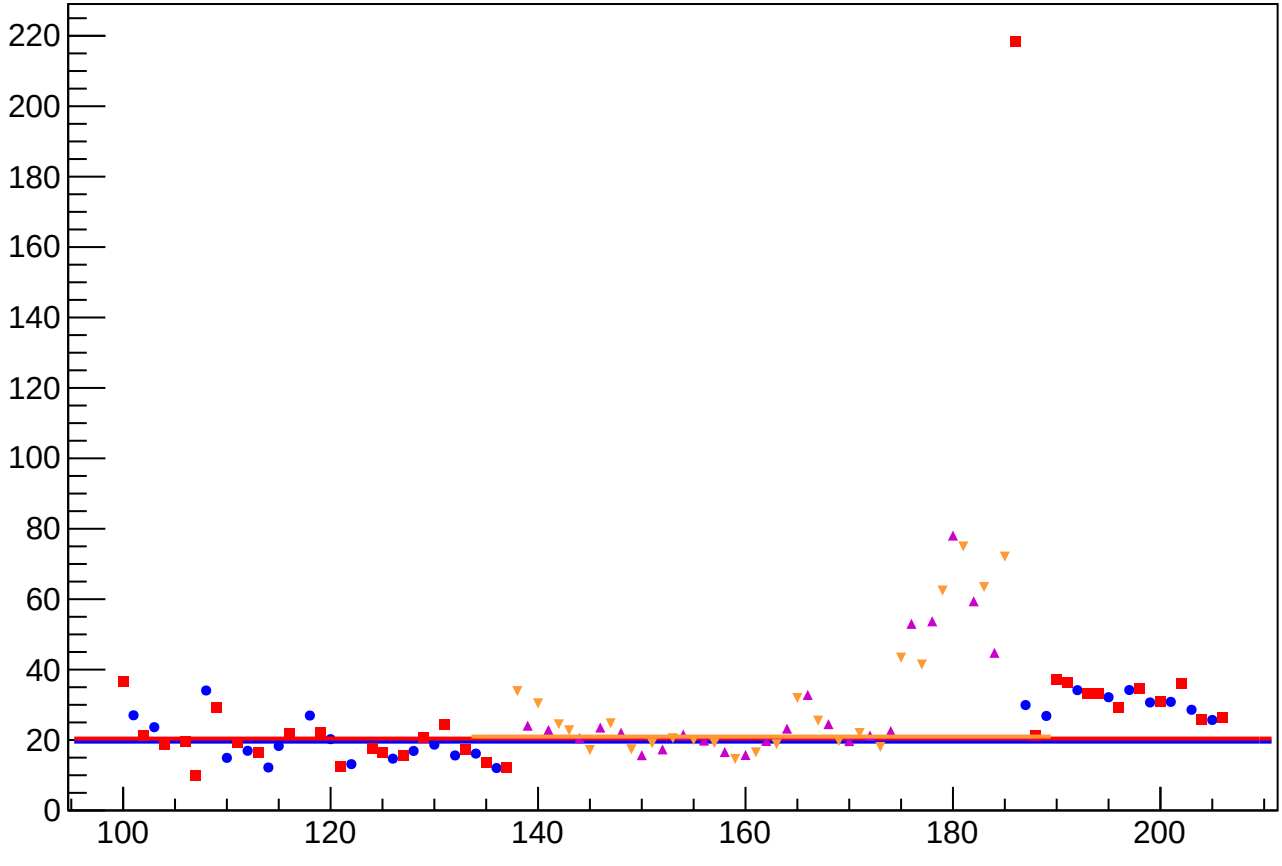
Right: -0.005+/-0.004 χ^2/NDF: 66.4/55

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 113.9/103

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

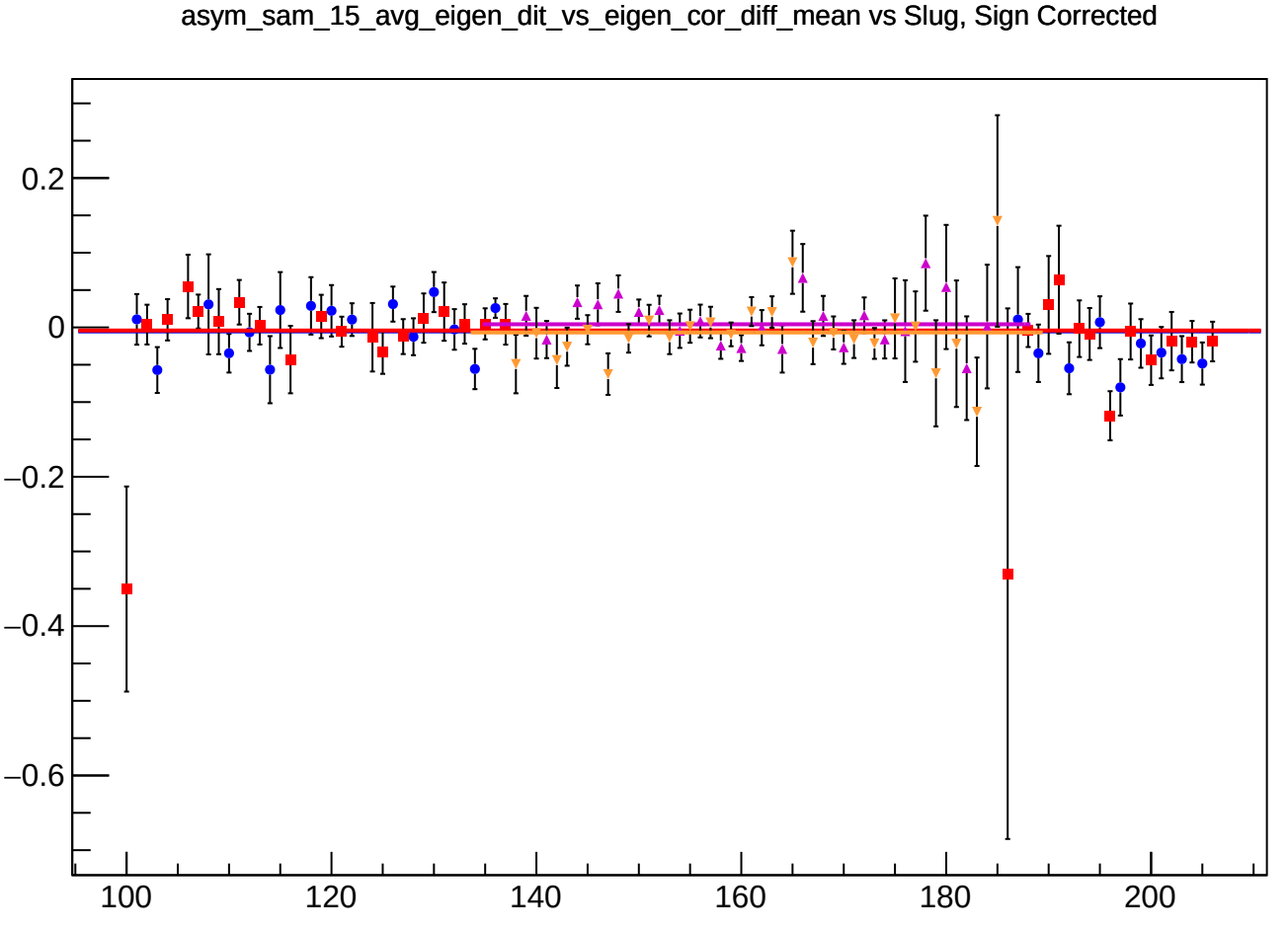
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.993+/-0.003 χ^2/NDF: 7180824.1/55

In: 20.258+/-0.003 χ^2/NDF:6803468.4/47

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.491+/-0.002 χ^2/NDF: 15242016.6/103



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

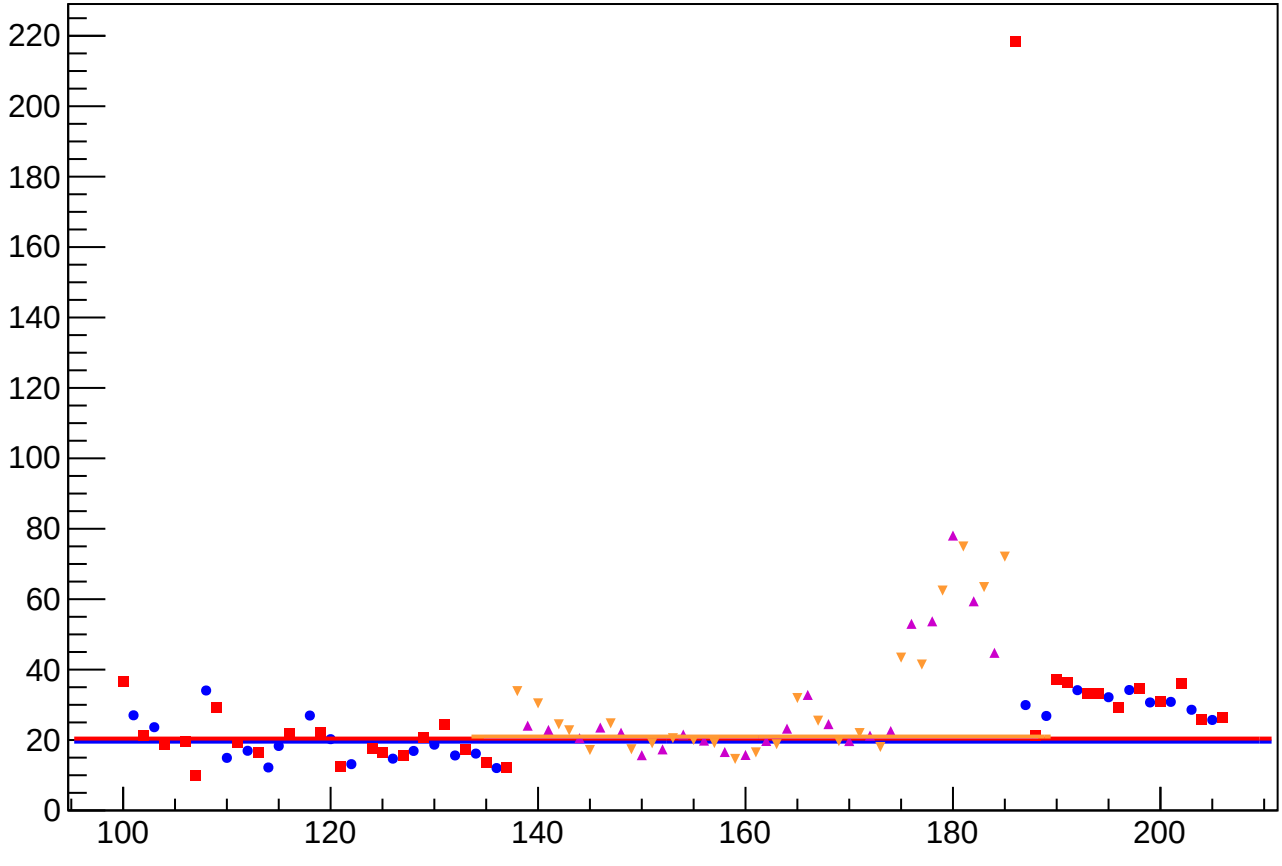
Right: -0.005+/-0.004 χ^2/NDF: 66.4/55

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 113.9/103

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

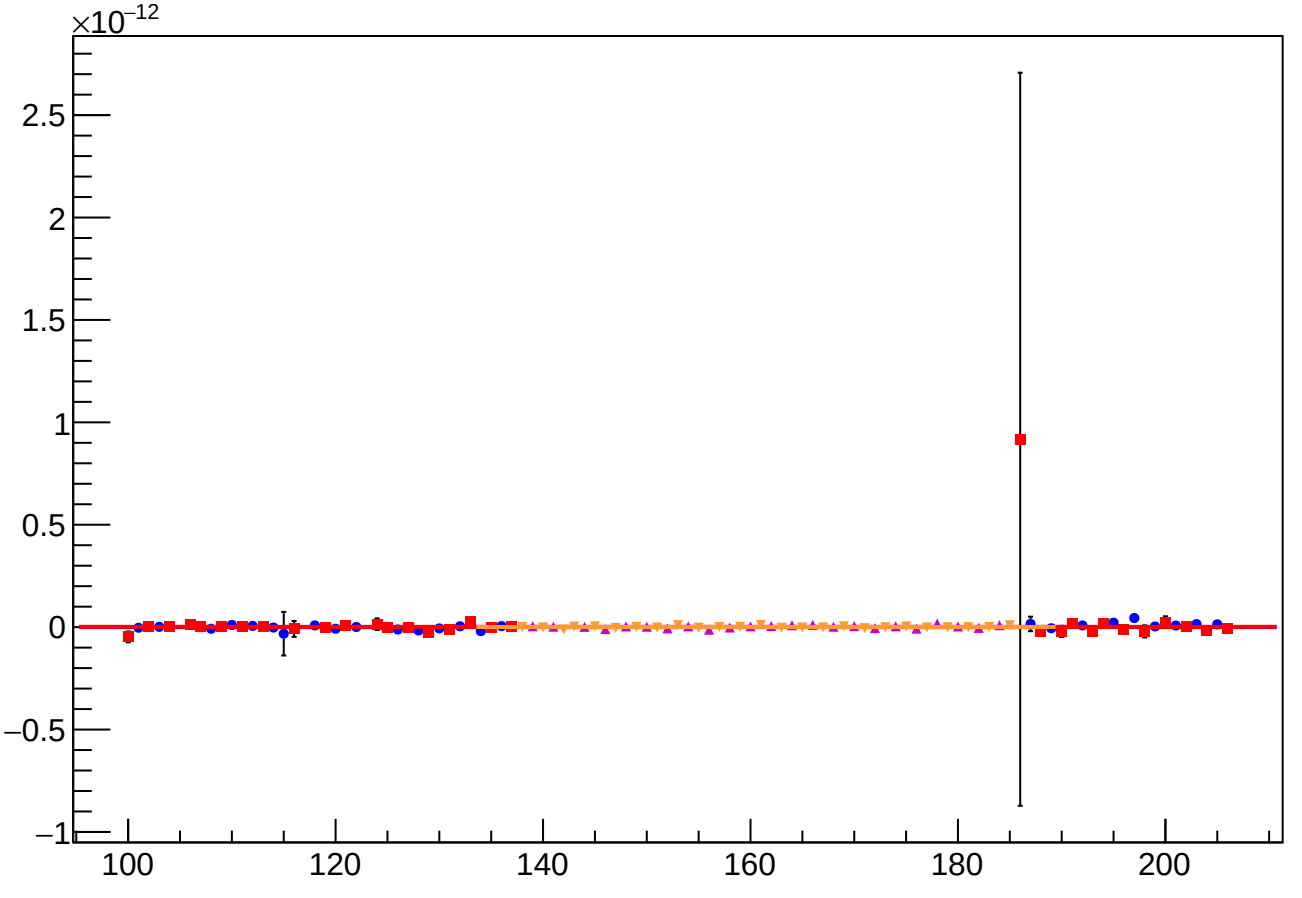
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.993+/-0.003 χ^2/NDF: 7180824.1/55

In: 20.258+/-0.003 χ^2/NDF:6803468.4/47

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.491+/-0.002 χ^2/NDF: 15242016.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/30

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

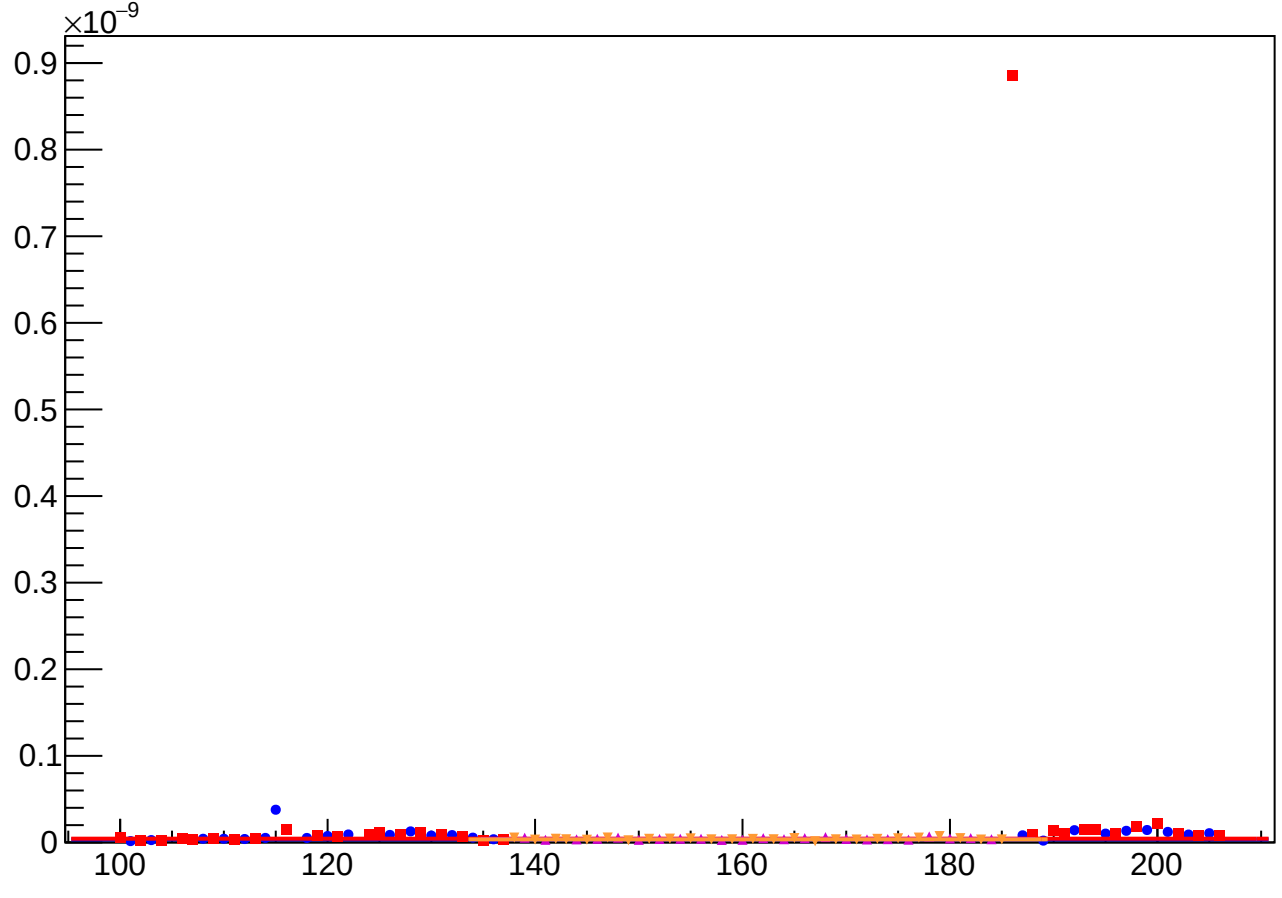
Right: 0.000+/-0.000 χ^2/NDF: 47.7/55

In: 0.000+/-0.000 χ^2/NDF:47.9/47

Out: 0.000+/-0.000 χ^2/NDF:40.9/55

All: 0.000+/-0.000 χ^2/NDF: 88.8/103

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6666261.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7482290.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

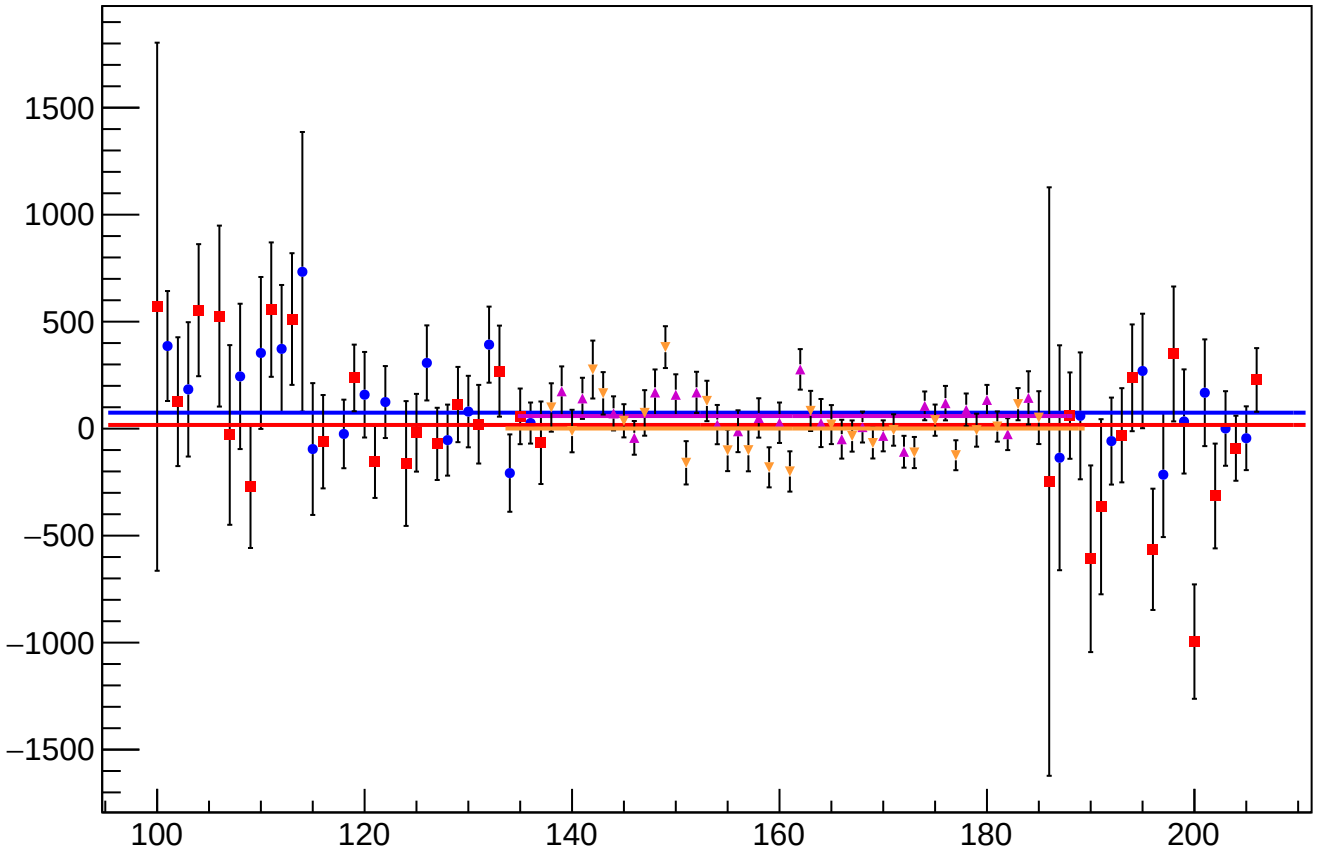
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

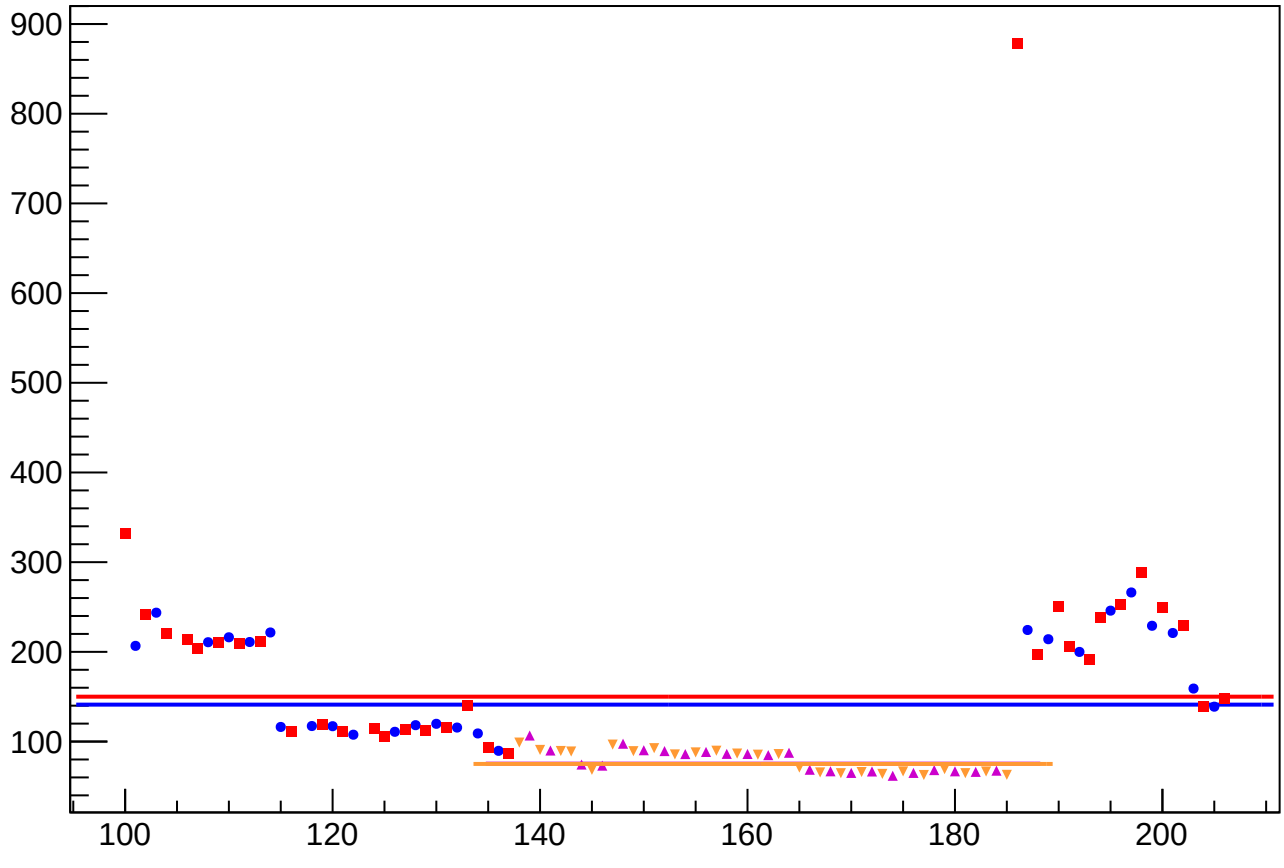
Right: 0.000+/-0.000 χ^2/NDF: 14405440.4/55

In: 0.000+/-0.000 χ^2/NDF:7938925.0/47

Out: 0.000+/-0.000 χ^2/NDF:10351847.4/55

All: 0.000+/-0.000 χ^2/NDF: 18290882.2/103


reg_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 74.617+/-40.272 χ²/NDF: 16.8/24
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: 17.257+/-39.978 χ²/NDF: 45.0/30
Left In: 58.907+/-17.879 χ²/NDF:25.8/22
Left: 28.825+/-12.440 χ²/NDF: 79.9/47
Right: 45.727+/-28.372 χ²/NDF: 62.8/55
In: 61.493+/-16.341 χ²/NDF:42.7/47
Out: 3.230+/-15.892 χ²/NDF:93.8/55
All: 31.551+/-11.393 χ²/NDF: 143.0/103



Right In: 141.163+/-0.028 χ^2/NDF: 3134489.6/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.028+/-0.028 χ^2/NDF: 4189572.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

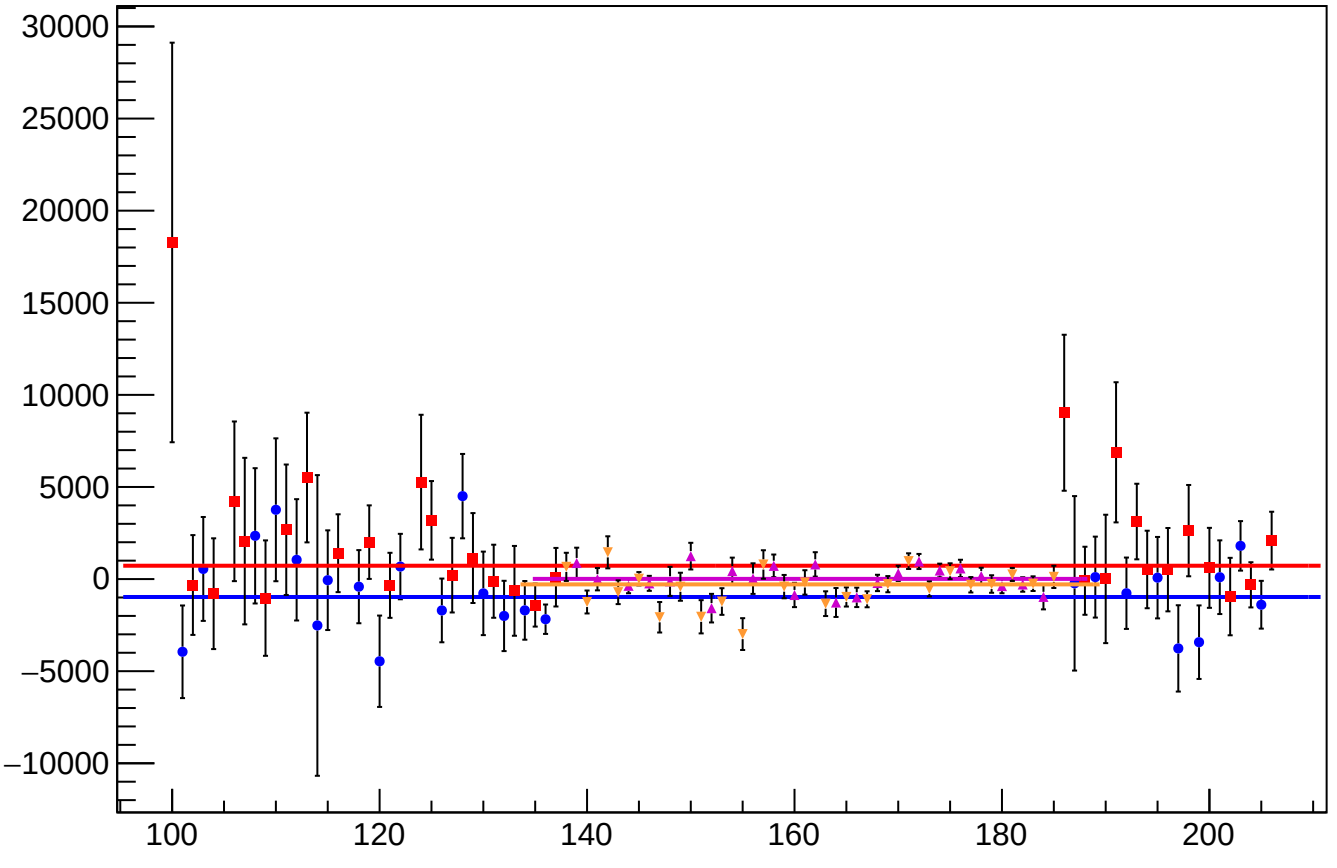
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 145.628+/-0.020 χ^2/NDF: 7372882.8/55

In: 86.188+/-0.012 χ^2/NDF:8433706.6/47

Out: 86.891+/-0.011 χ^2/NDF:11042198.0/55

All: 86.549+/-0.008 χ^2/NDF: 19477807.6/103



Right In: -972.676+/-380.307 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 724.633+/-392.056 χ^2/NDF: 24.9/30

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

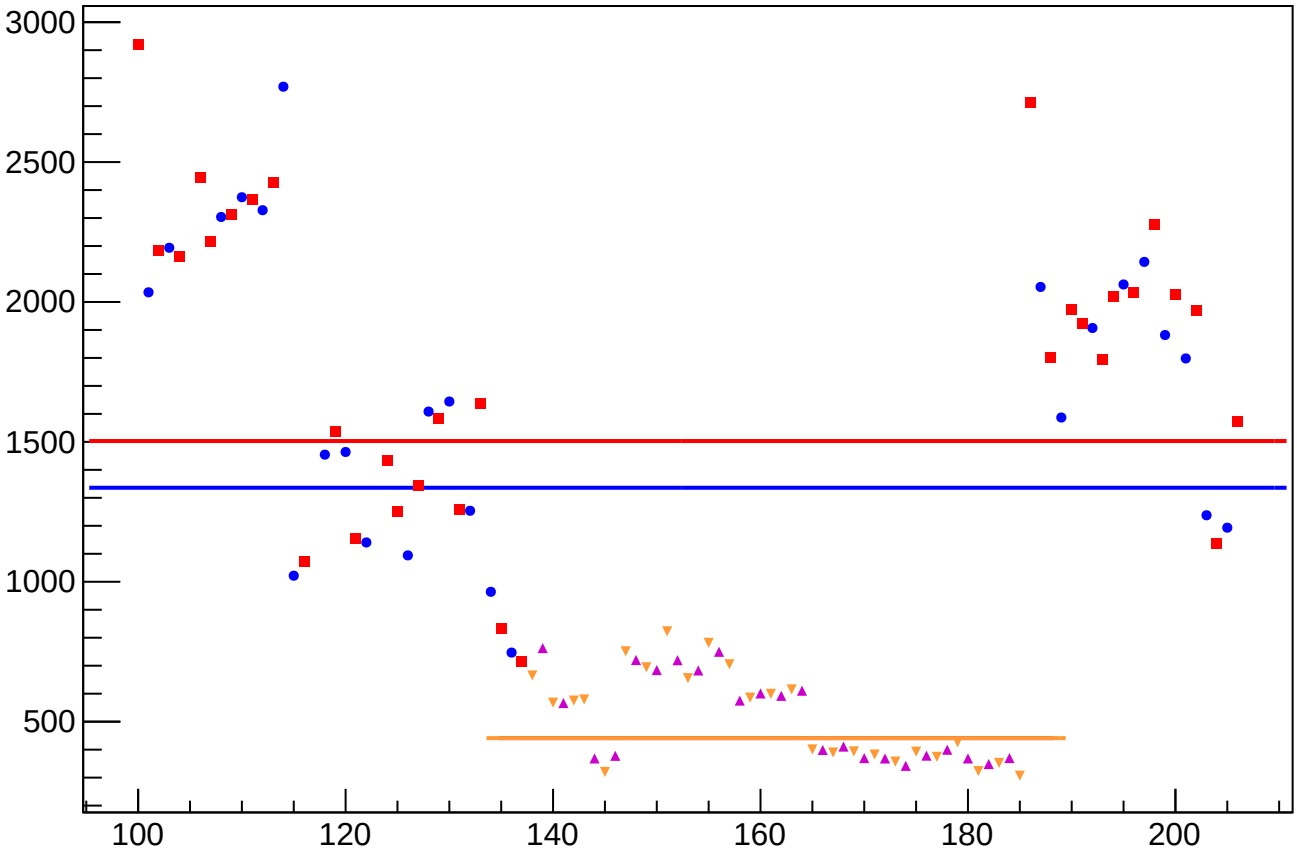
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -149.835+/-272.977 χ^2/NDF: 58.7/55

In: -62.324+/-103.598 χ^2/NDF:63.8/47

Out: -220.023+/-101.634 χ^2/NDF:84.4/55

All: -142.682+/-72.550 χ^2/NDF: 149.4/103



Right In: 1336.019+/-0.269 χ^2/NDF: 3225964.7/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1503.053+/-0.277 χ^2/NDF: 3320937.7/30

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

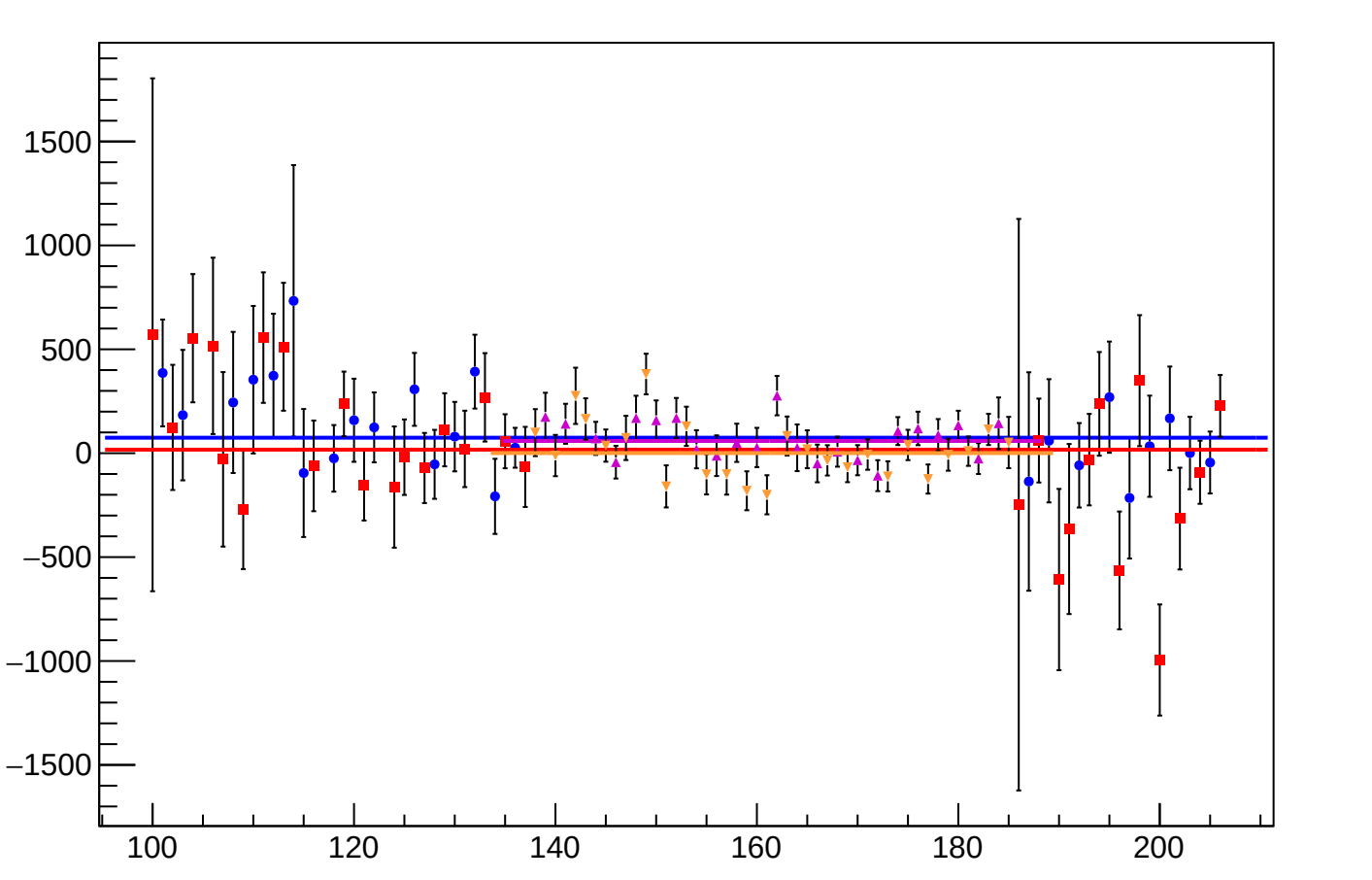
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1416.996+/-0.193 χ^2/NDF: 6733937.6/55

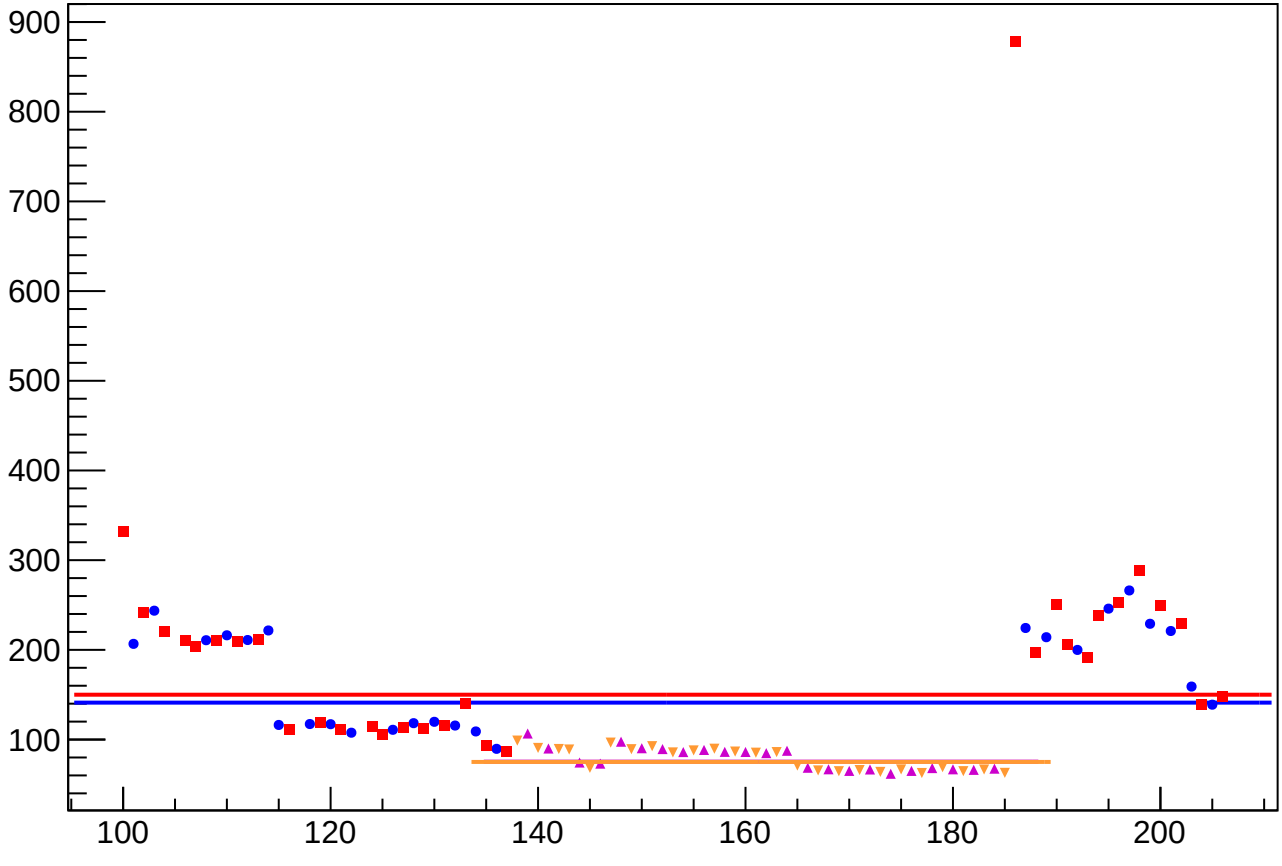
In: 507.596+/-0.073 χ^2/NDF:16158673.8/47

Out: 512.492+/-0.072 χ^2/NDF:20242557.7/55

All: 510.091+/-0.051 χ^2/NDF: 36403507.2/10


cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 74.603+/-40.272 χ²/NDF: 16.8/24
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: 17.107+/-39.980 χ²/NDF: 45.0/30
Left In: 58.904+/-17.879 χ²/NDF:25.8/22
Left: 28.824+/-12.440 χ²/NDF: 79.9/47
Right: 45.646+/-28.373 χ²/NDF: 62.8/55
In: 61.489+/-16.341 χ²/NDF:42.7/47
Out: 3.206+/-15.892 χ²/NDF:93.7/55
All: 31.536+/-11.393 χ²/NDF: 143.0/103

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

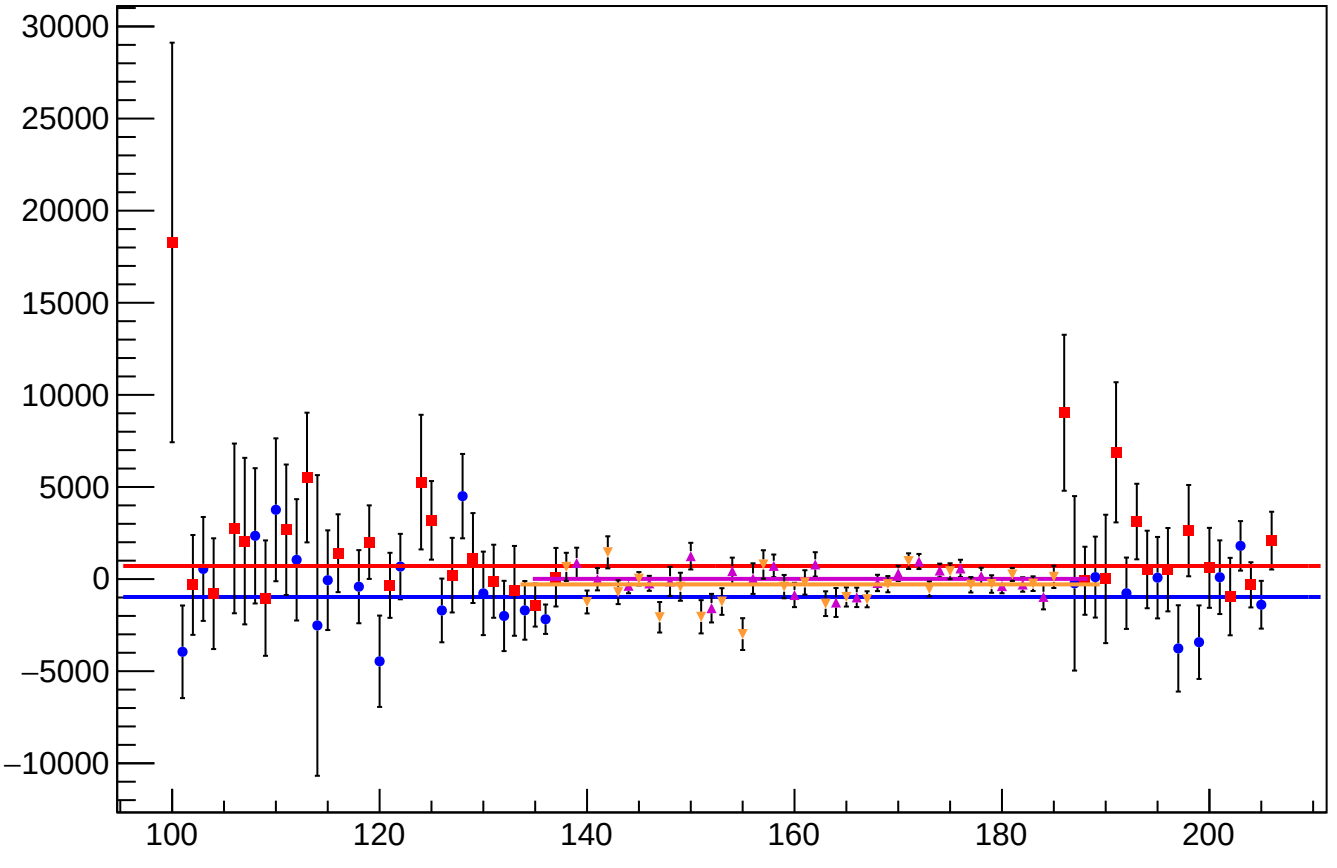
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.612+/-0.020 χ^2/NDF: 7368273.1/55

In: 86.188+/-0.012 χ^2/NDF:8433708.6/47

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 86.546+/-0.008 χ^2/NDF: 19468209.4/103



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 710.820+/-392.246 χ^2/NDF: 24.4/30

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

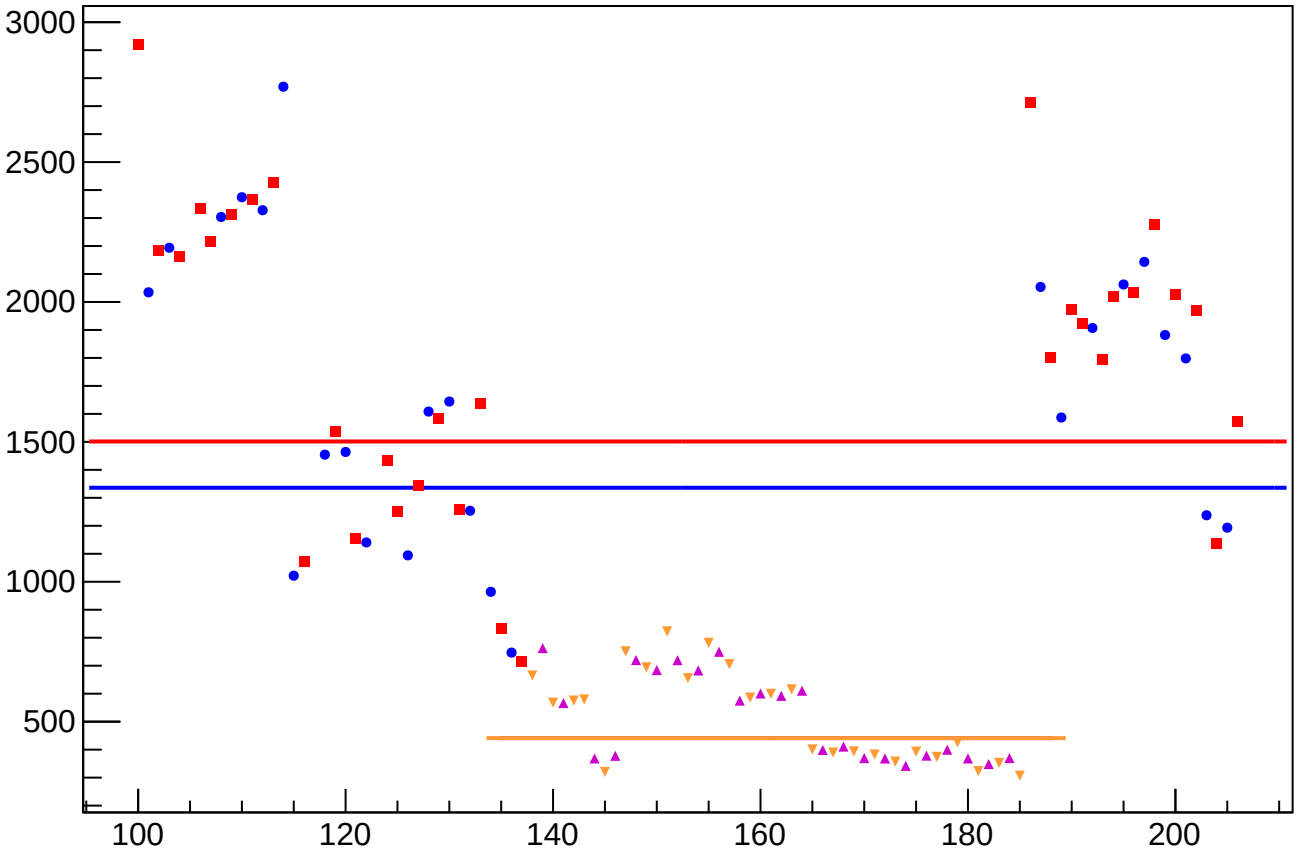
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -156.931+/-273.041 χ^2/NDF: 58.1/55

In: -62.322+/-103.598 χ^2/NDF:63.8/47

Out: -221.012+/-101.637 χ^2/NDF:83.7/55

All: -143.182+/-72.552 χ^2/NDF: 148.8/103



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

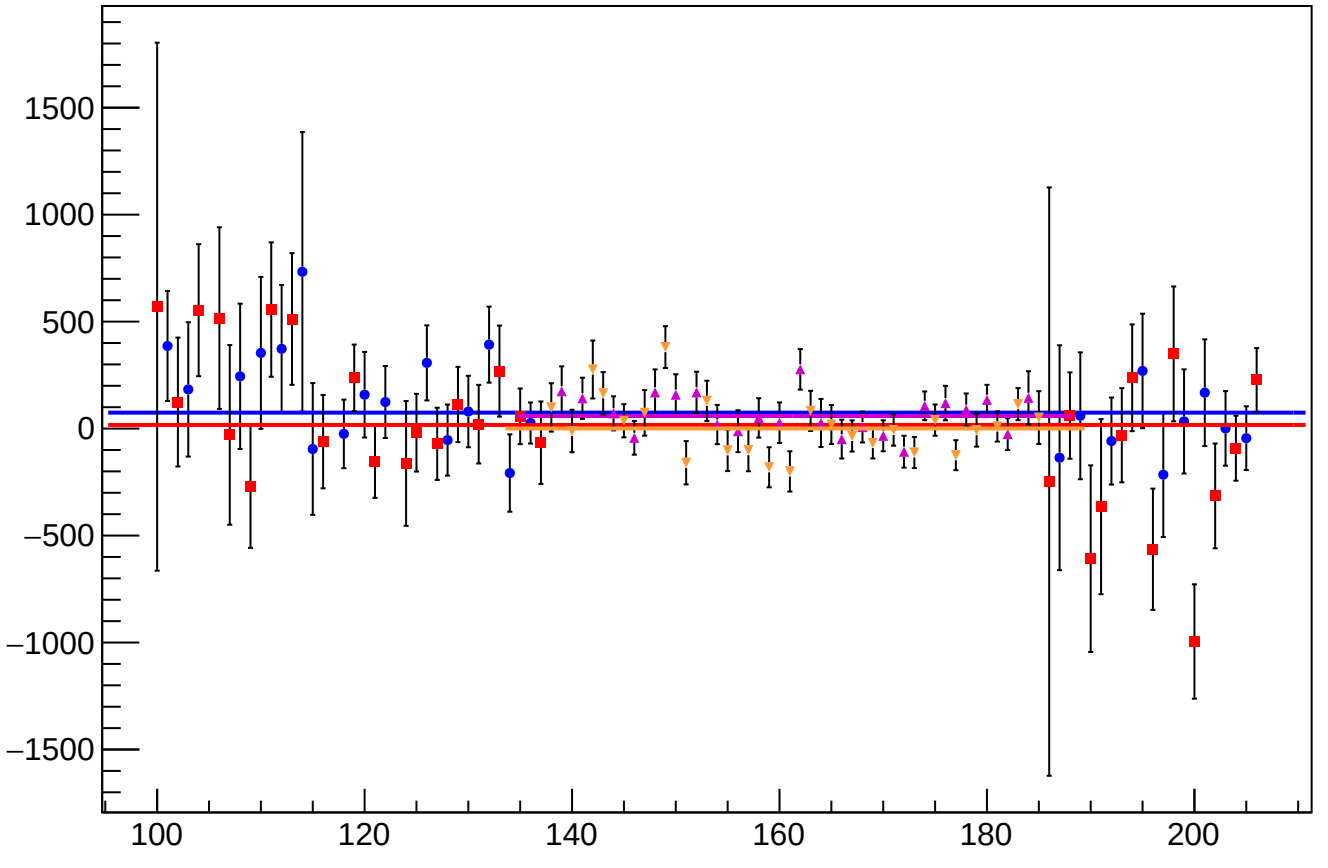
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

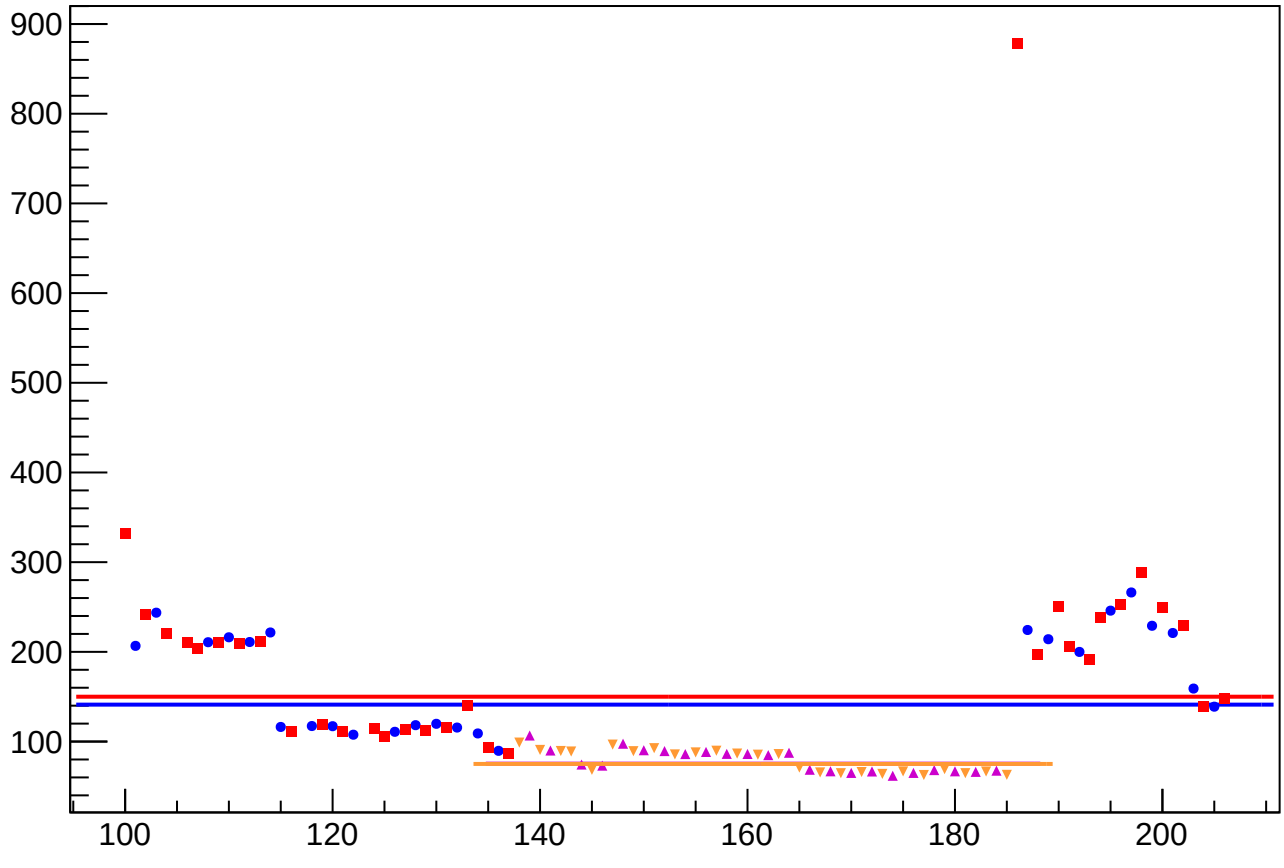
Right: 1416.148+/-0.193 χ^2/NDF: 6701360.8/55

In: 507.596+/-0.073 χ^2/NDF:16158684.2/47

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 510.001+/-0.051 χ^2/NDF: 36319317.5/10


eigen_cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 74.603+/-40.272 χ²/NDF: 16.8/24
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: 17.107+/-39.980 χ²/NDF: 45.0/30
Left In: 58.904+/-17.879 χ²/NDF:25.8/22
Left: 28.824+/-12.440 χ²/NDF: 79.9/47
Right: 45.646+/-28.373 χ²/NDF: 62.8/55
In: 61.489+/-16.341 χ²/NDF:42.7/47
Out: 3.206+/-15.892 χ²/NDF:93.7/55
All: 31.536+/-11.393 χ²/NDF: 143.0/103



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

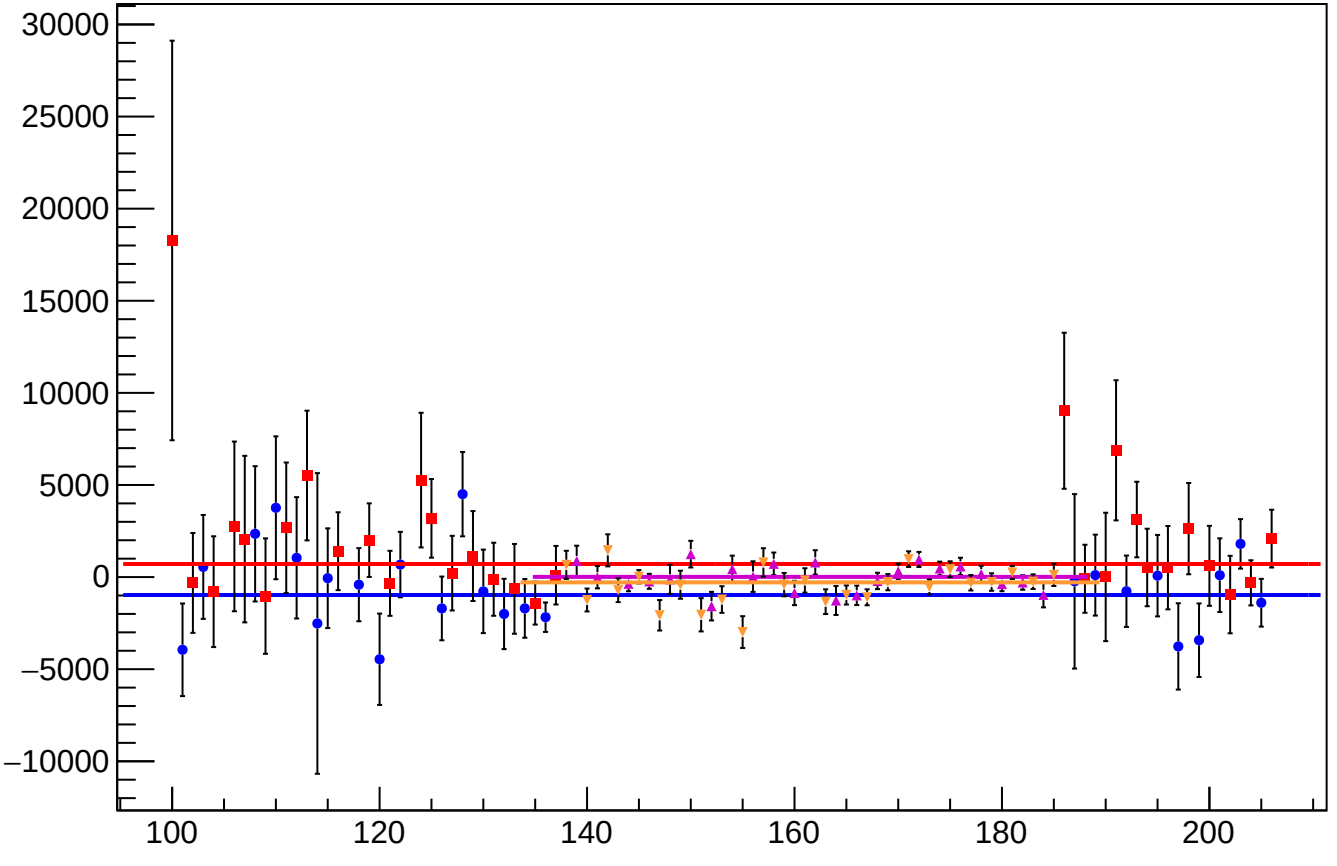
Right: 145.612+/-0.020 χ^2/NDF: 7368273.1/55

In: 86.188+/-0.012 χ^2/NDF:8433708.6/47

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 86.546+/-0.008 χ^2/NDF: 19468209.4/103

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 710.820+/-392.246 χ^2/NDF: 24.4/30

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

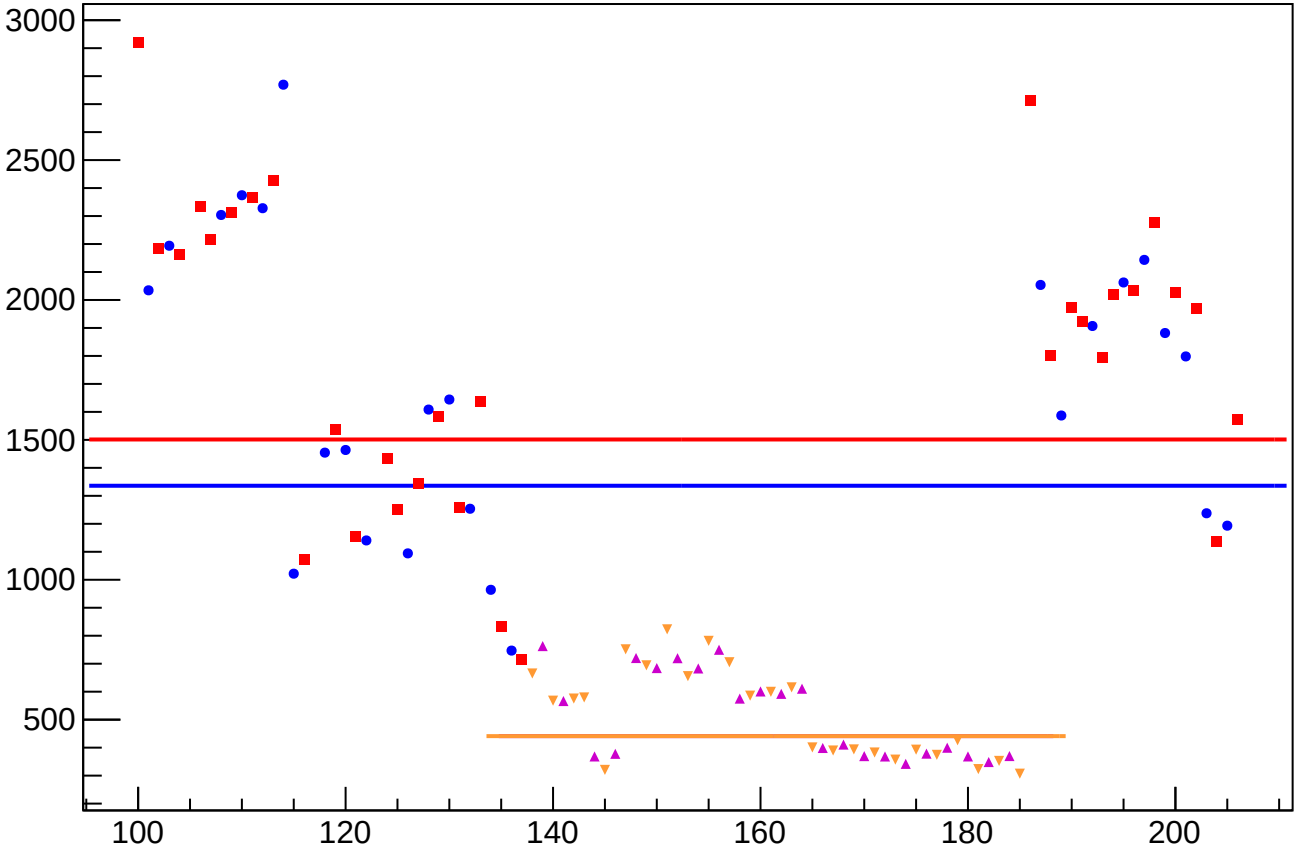
Right: -156.931+/-273.041 χ^2/NDF: 58.1/55

In: -62.322+/-103.598 χ^2/NDF:63.8/47

Out: -221.012+/-101.637 χ^2/NDF:83.7/55

All: -143.182+/-72.552 χ^2/NDF: 148.8/103

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

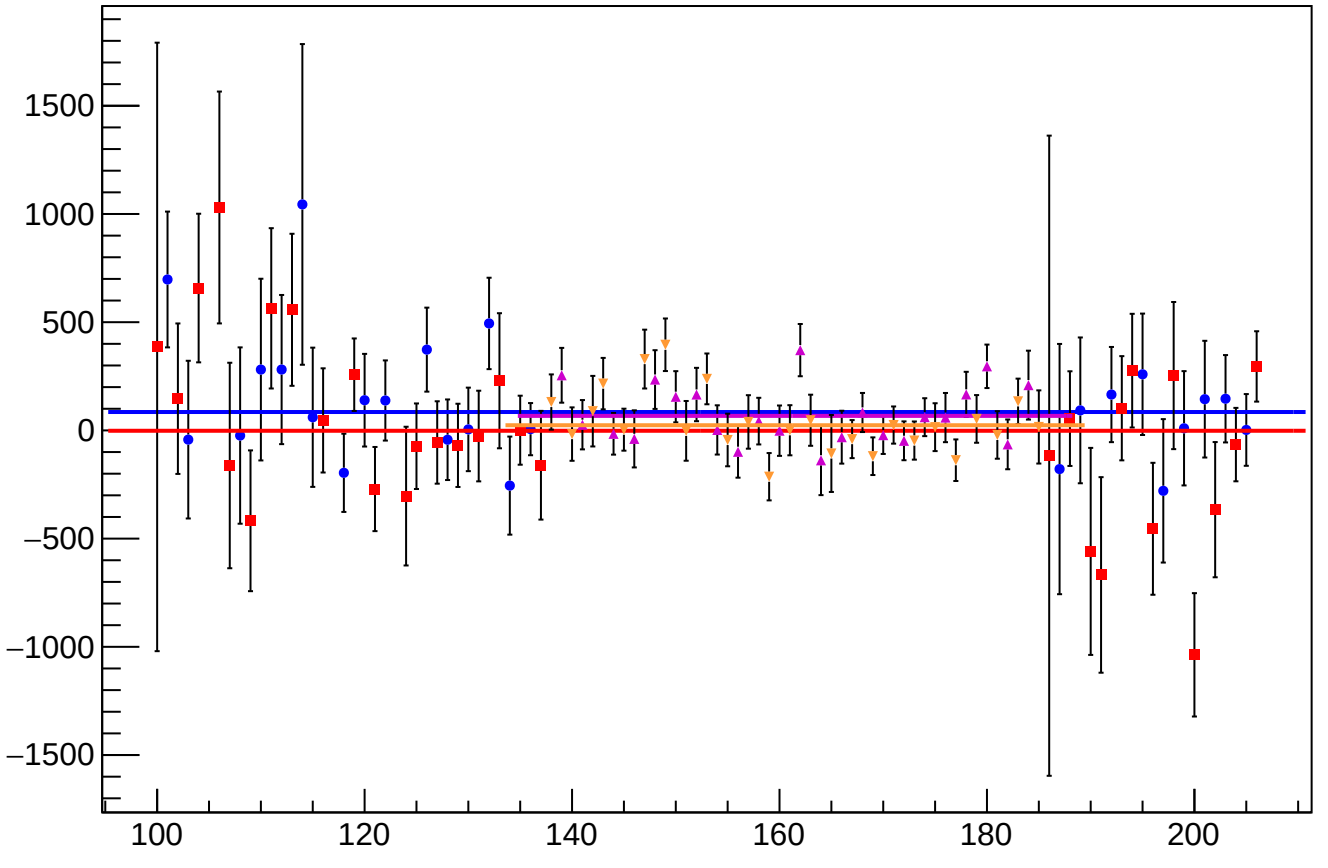
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1416.148+/-0.193 χ^2/NDF: 6701360.8/55

In: 507.596+/-0.073 χ^2/NDF:16158684.2/47

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 510.001+/-0.051 χ^2/NDF: 36319317.5/10



Right In: 84.963+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -1.687+/-45.428 χ^2/NDF: 46.5/30

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

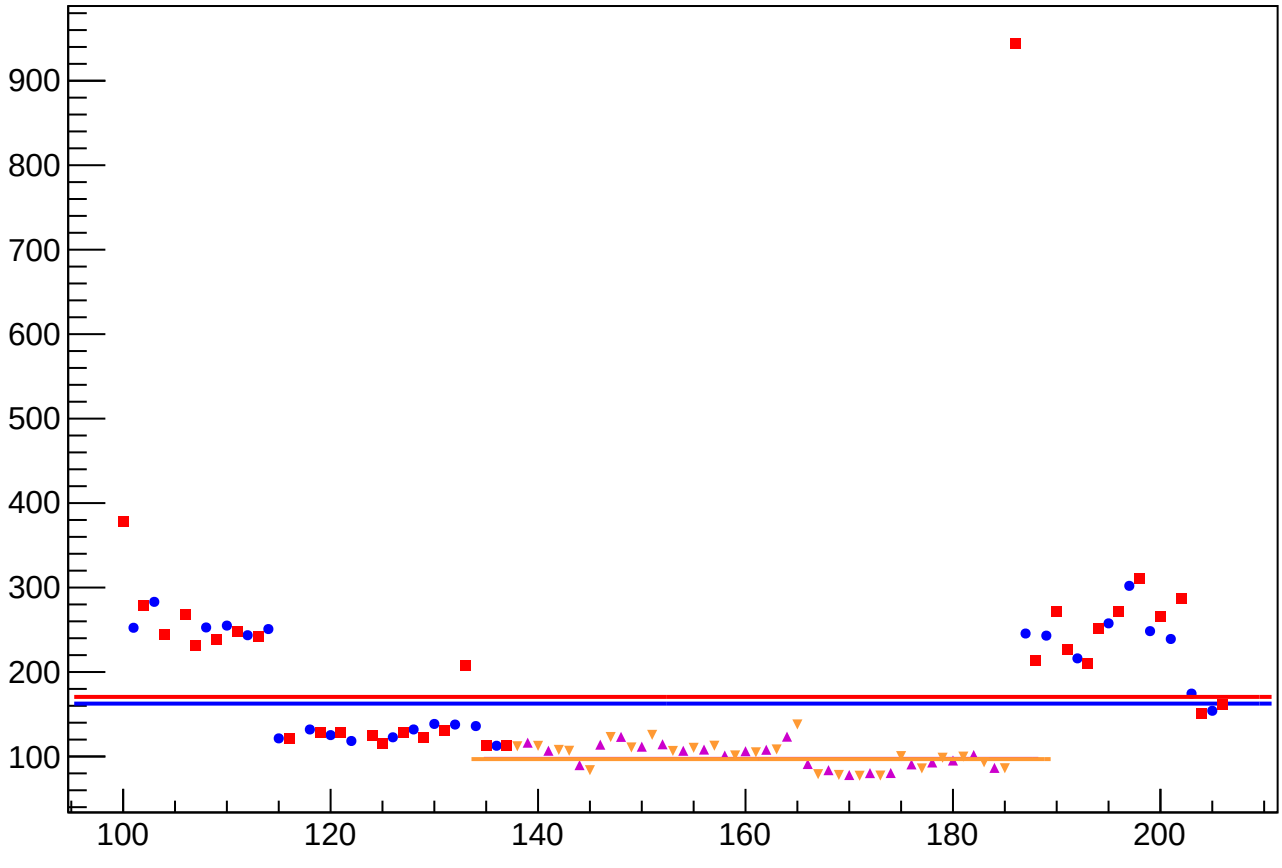
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 40.849+/-32.413 χ^2/NDF: 68.8/55

In: 70.659+/-20.682 χ^2/NDF:49.3/47

Out: 18.869+/-20.101 χ^2/NDF:82.0/55

All: 44.026+/-14.414 χ^2/NDF: 134.4/103



Right In: 162.602+/-0.033 χ^2/NDF: 2790357.0/24

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 170.535+/-0.032 χ^2/NDF: 3952675.5/30

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

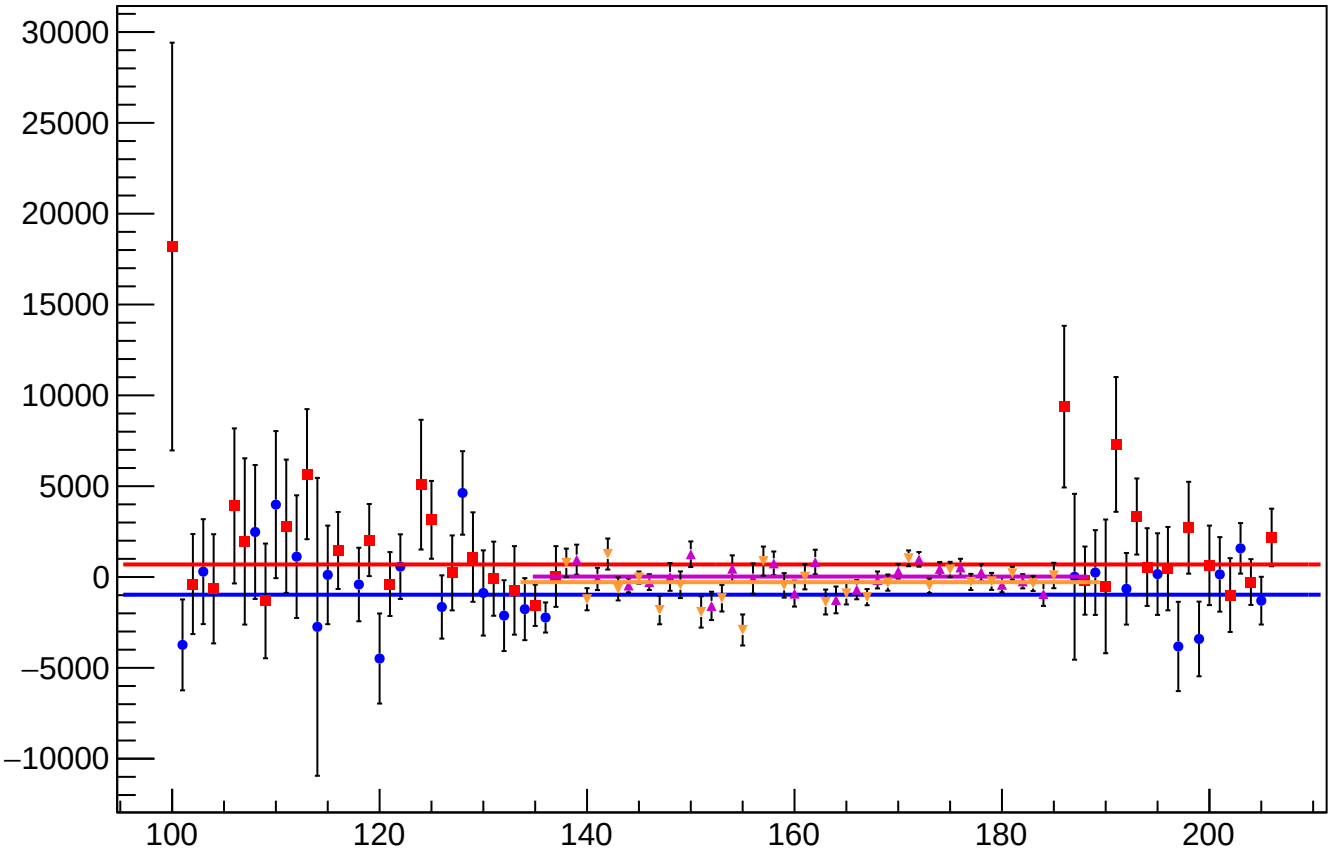
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 166.641+/-0.023 χ^2/NDF: 6772969.1/55

In: 110.245+/-0.015 χ^2/NDF:6666510.6/47

Out: 111.322+/-0.014 χ^2/NDF:9111832.9/55

All: 110.799+/-0.010 χ^2/NDF: 15781133.0/10



Right In: -973.113+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 691.696+/-395.365 χ^2/NDF: 26.3/30

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

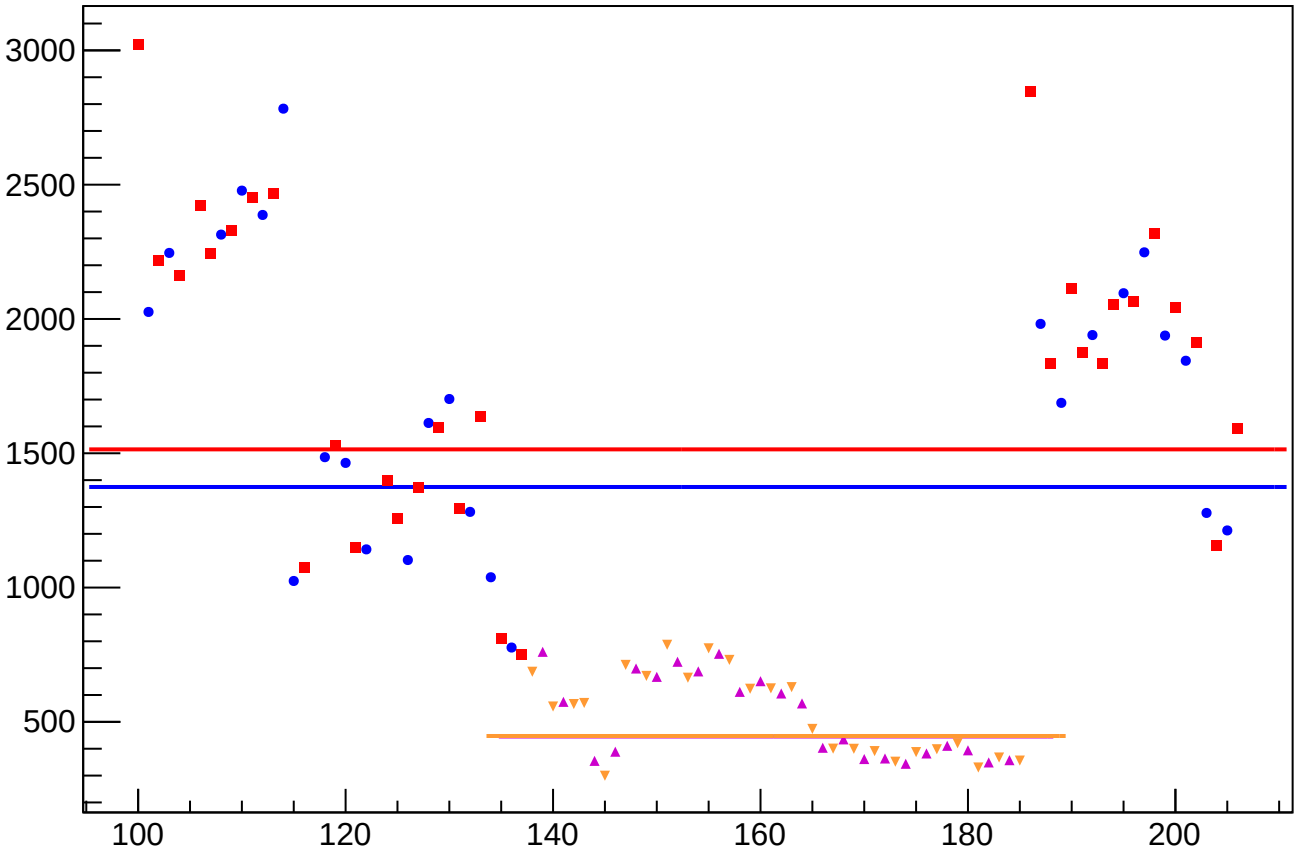
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -151.443+/-277.757 χ^2/NDF: 58.5/55

In: -47.418+/-104.879 χ^2/NDF:62.3/47

Out: -216.643+/-102.739 χ^2/NDF:82.3/55

All: -133.775+/-73.392 χ^2/NDF: 145.9/103



Right In: 1374.458+/-0.276 χ^2/NDF: 3136070.7/24

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393518.9/30

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

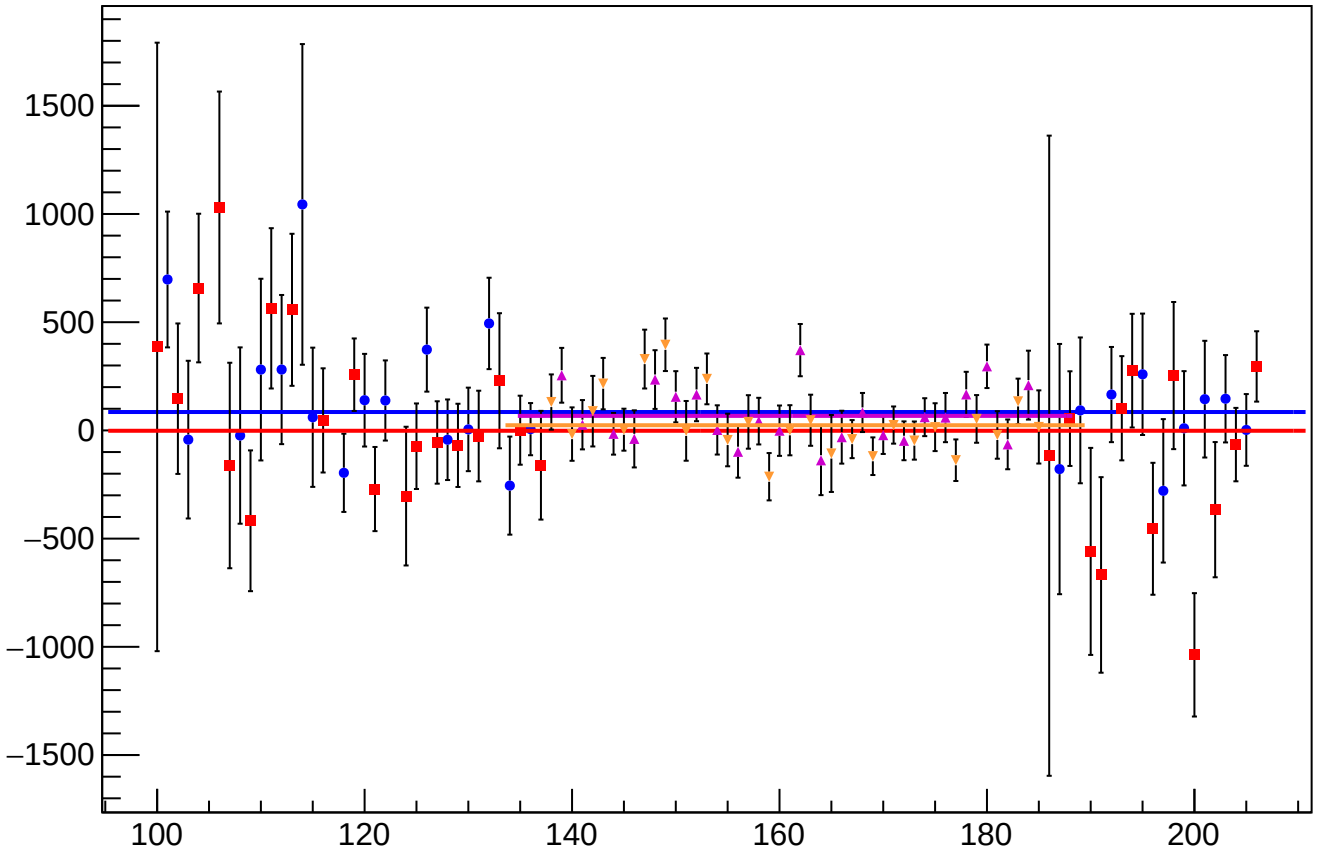
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1443.584+/-0.196 χ^2/NDF: 6656701.9/55

In: 512.569+/-0.074 χ^2/NDF:16361390.5/47

Out: 519.446+/-0.073 χ^2/NDF:20177712.9/55

All: 516.078+/-0.052 χ^2/NDF: 36543490.4/10



Right In: 84.965+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -1.686+/-45.428 χ^2/NDF: 46.5/30

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

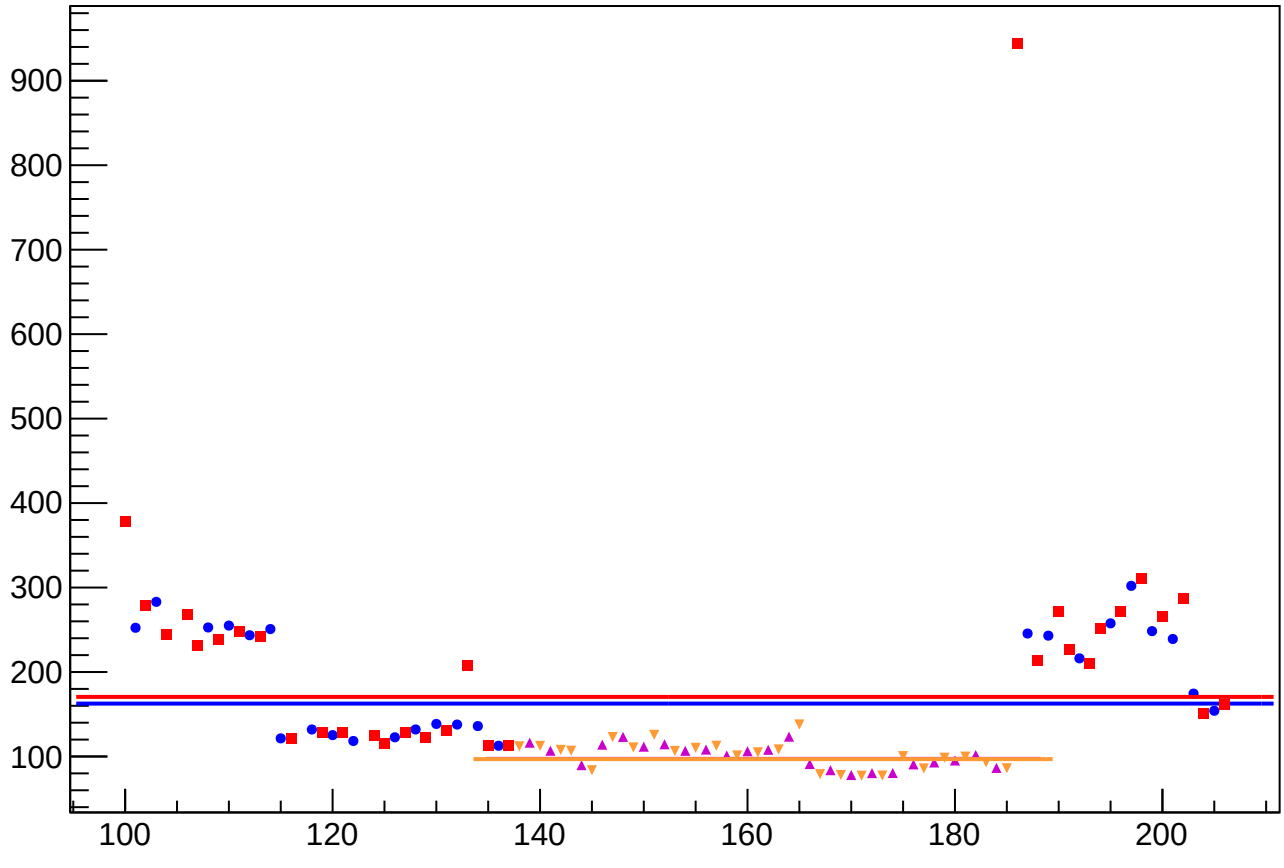
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 40.851+/-32.413 χ^2/NDF: 68.8/55

In: 70.659+/-20.682 χ^2/NDF:49.3/47

Out: 18.868+/-20.101 χ^2/NDF:82.0/55

All: 44.025+/-14.414 χ^2/NDF: 134.4/103



Right In: 162.602+/-0.033 χ^2/NDF: 2790367.6/24

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 170.535+/-0.032 χ^2/NDF: 3952679.9/30

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

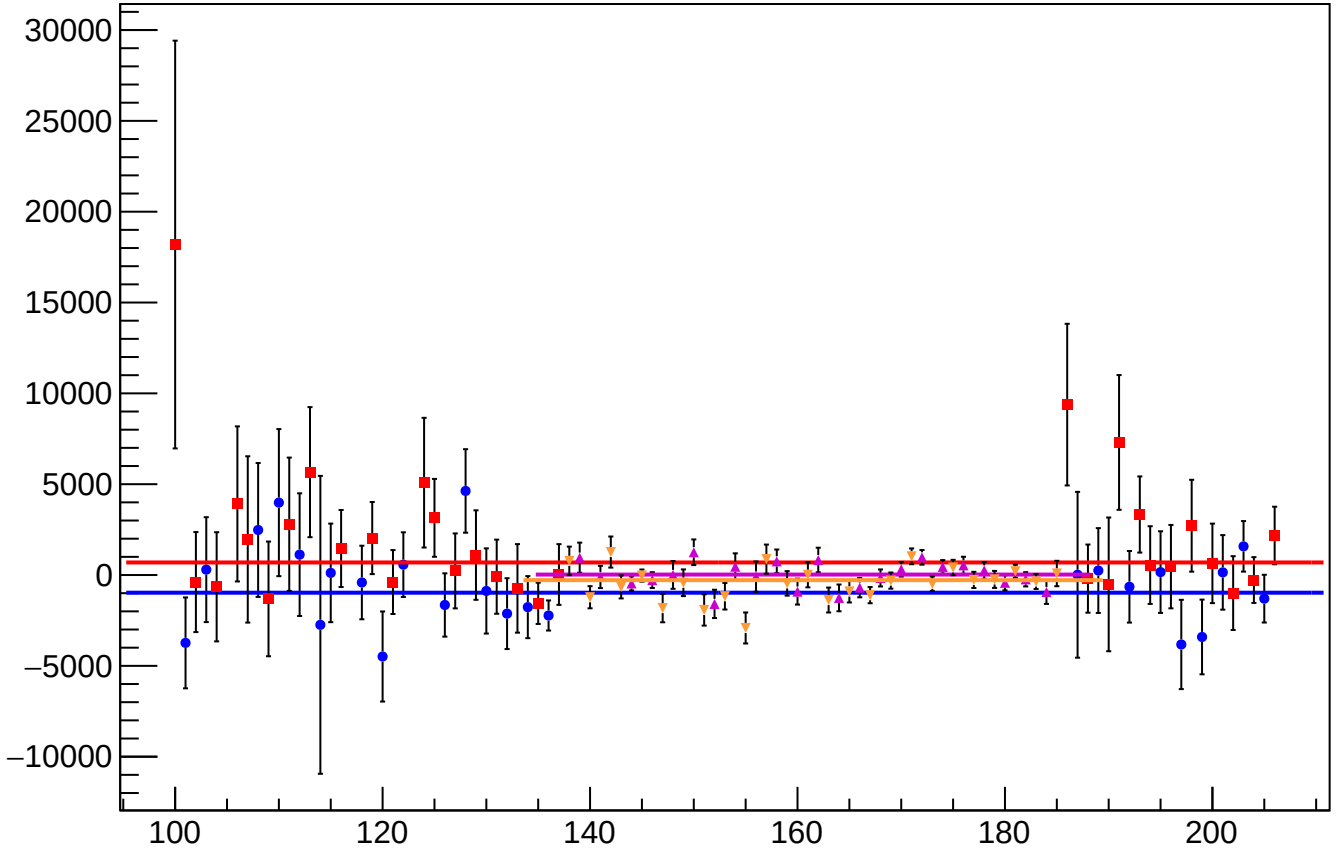
Right: 166.640+/-0.023 χ^2/NDF: 6772986.8/55

In: 110.245+/-0.015 χ^2/NDF:6666428.8/47

Out: 111.322+/-0.014 χ^2/NDF:9111778.9/55

All: 110.799+/-0.010 χ^2/NDF: 15780996.9/10

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -973.111+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 691.698+/-395.365 χ^2/NDF: 26.3/30

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

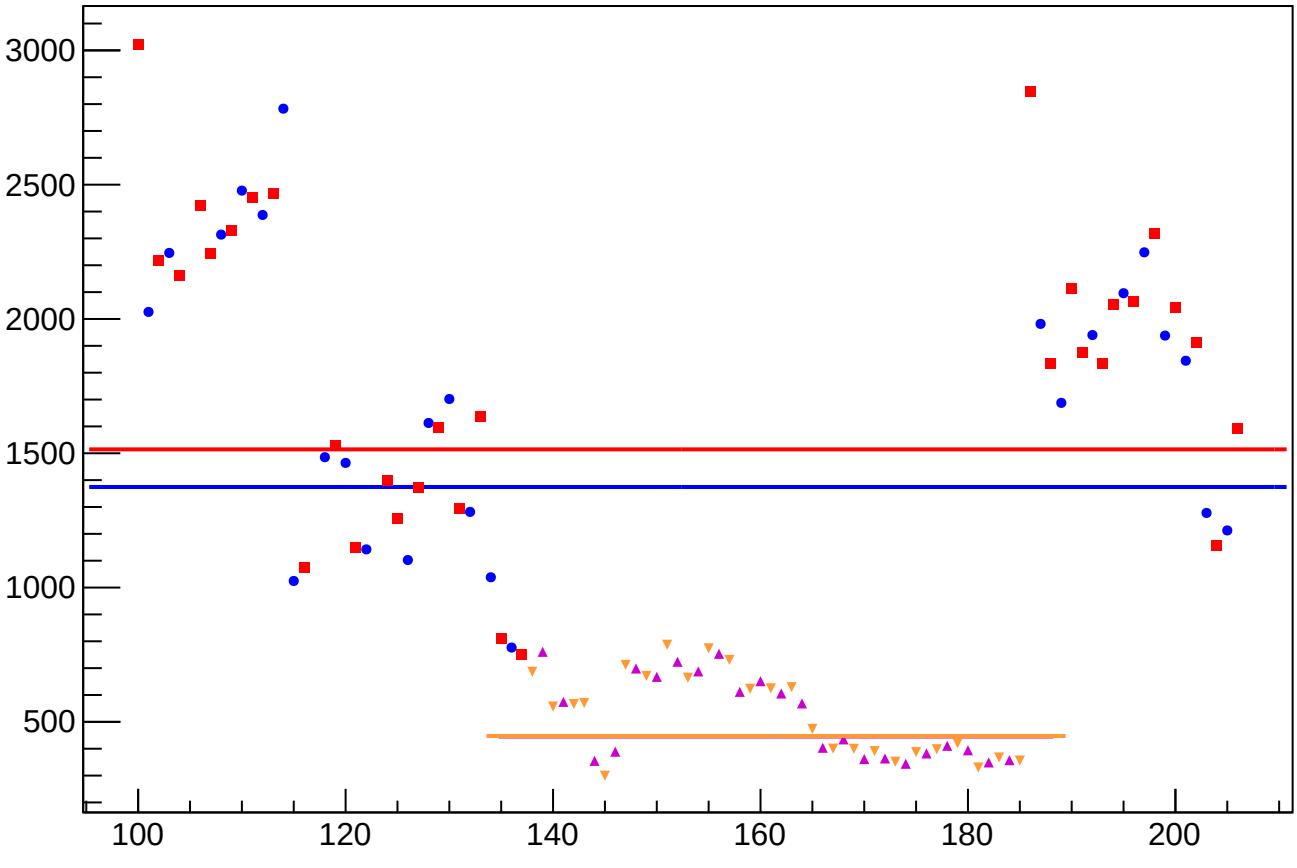
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -151.441+/-277.757 χ^2/NDF: 58.5/55

In: -47.418+/-104.879 χ^2/NDF:62.3/47

Out: -216.642+/-102.739 χ^2/NDF:82.3/55

All: -133.774+/-73.392 χ^2/NDF: 145.9/103



Right In: 1374.458+/-0.276 χ^2/NDF: 3136050.4/24

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393502.1/30

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

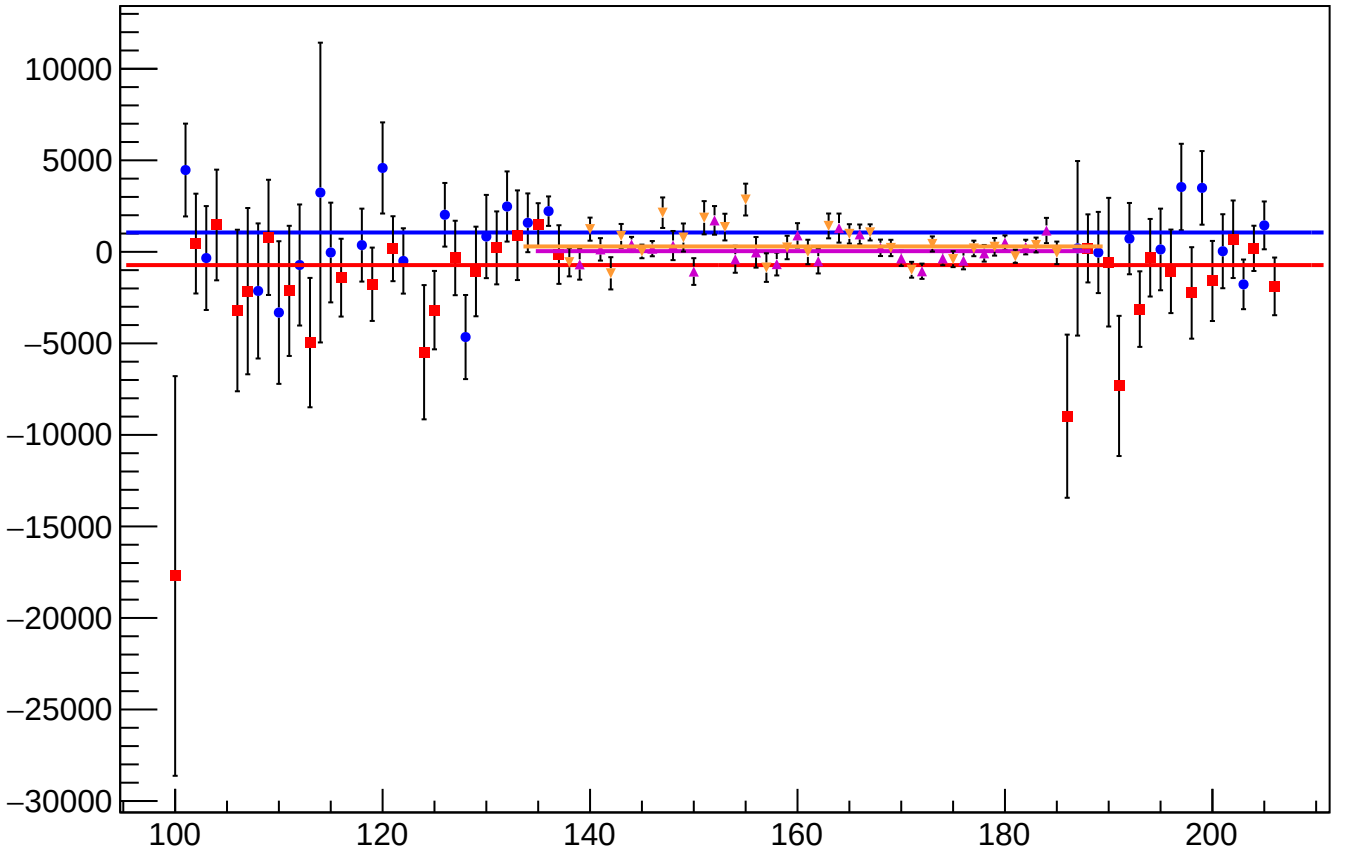
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1443.585+/-0.196 χ^2/NDF: 6656664.6/55

In: 512.569+/-0.074 χ^2/NDF:16361399.2/47

Out: 519.445+/-0.073 χ^2/NDF:20177740.7/55

All: 516.078+/-0.052 χ^2/NDF: 36543526.7/10



Right In: 1057.621+/-382.977 χ^2/NDF: 24.5/24

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -723.589+/-394.598 χ^2/NDF: 23.5/30

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

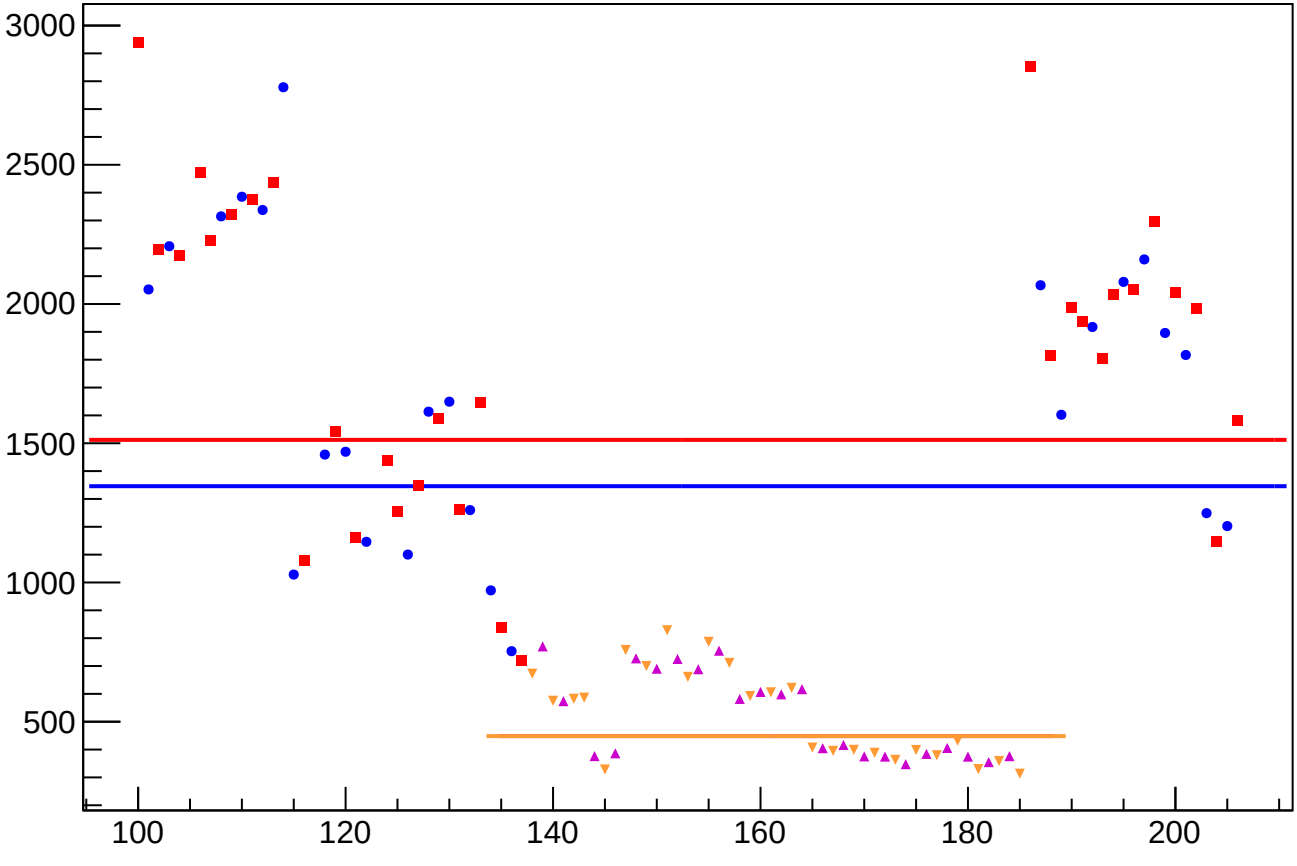
Right: 193.630+/-274.822 χ^2/NDF: 58.5/55

In: 114.912+/-105.117 χ^2/NDF:64.0/47

Out: 225.471+/-103.100 χ^2/NDF:80.2/55

All: 171.263+/-73.605 χ^2/NDF: 144.8/103

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1345.744+/-0.271 χ^2/NDF: 3215961.1/24

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1512.161+/-0.279 χ^2/NDF: 3340253.6/30

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

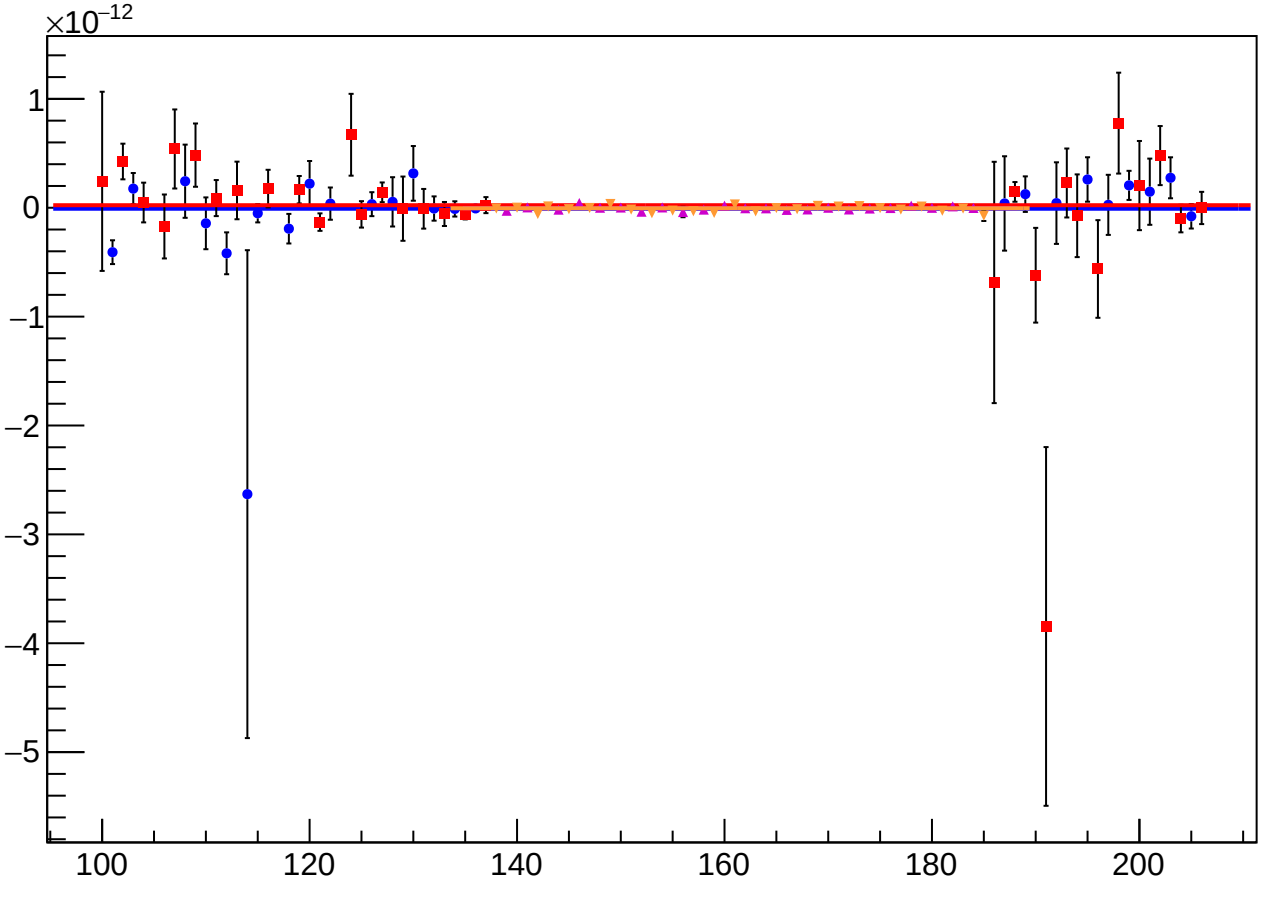
Right: 1426.466+/-0.194 χ^2/NDF: 6739392.6/55

In: 515.999+/-0.074 χ^2/NDF:15989580.9/47

Out: 520.905+/-0.073 χ^2/NDF:20042793.3/55

All: 518.500+/-0.052 χ^2/NDF: 36034594.6/10

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.5/30

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

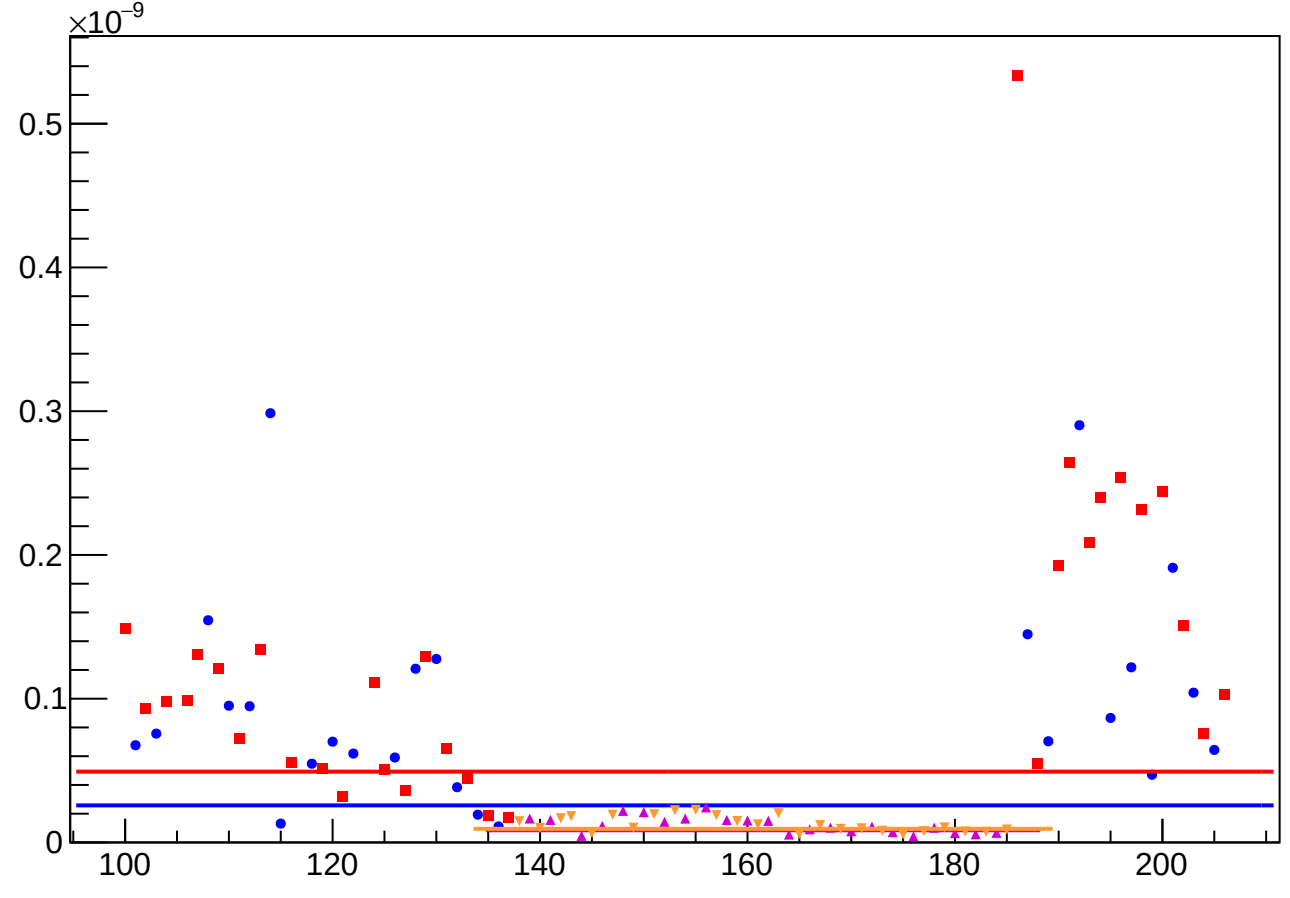
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 80.6/55

In: -0.000+/-0.000 χ^2/NDF:51.8/47

Out: -0.000+/-0.000 χ^2/NDF:68.8/55

All: -0.000+/-0.000 χ^2/NDF: 120.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6466204.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5811931.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

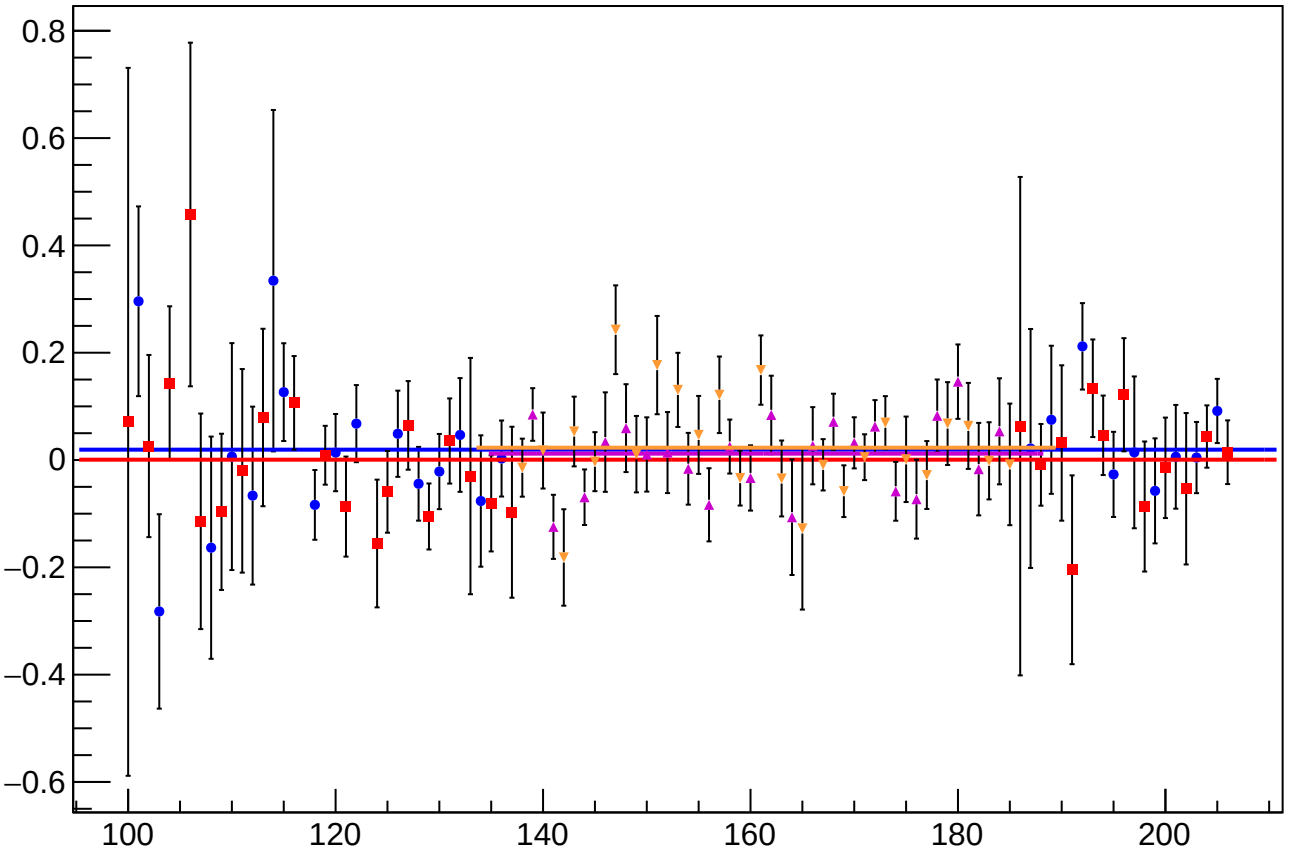
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13476907.4/55

In: 0.000+/-0.000 χ^2/NDF:11157856.5/47

Out: 0.000+/-0.000 χ^2/NDF:13165606.8/55

All: 0.000+/-0.000 χ^2/NDF: 24417348.1/103



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

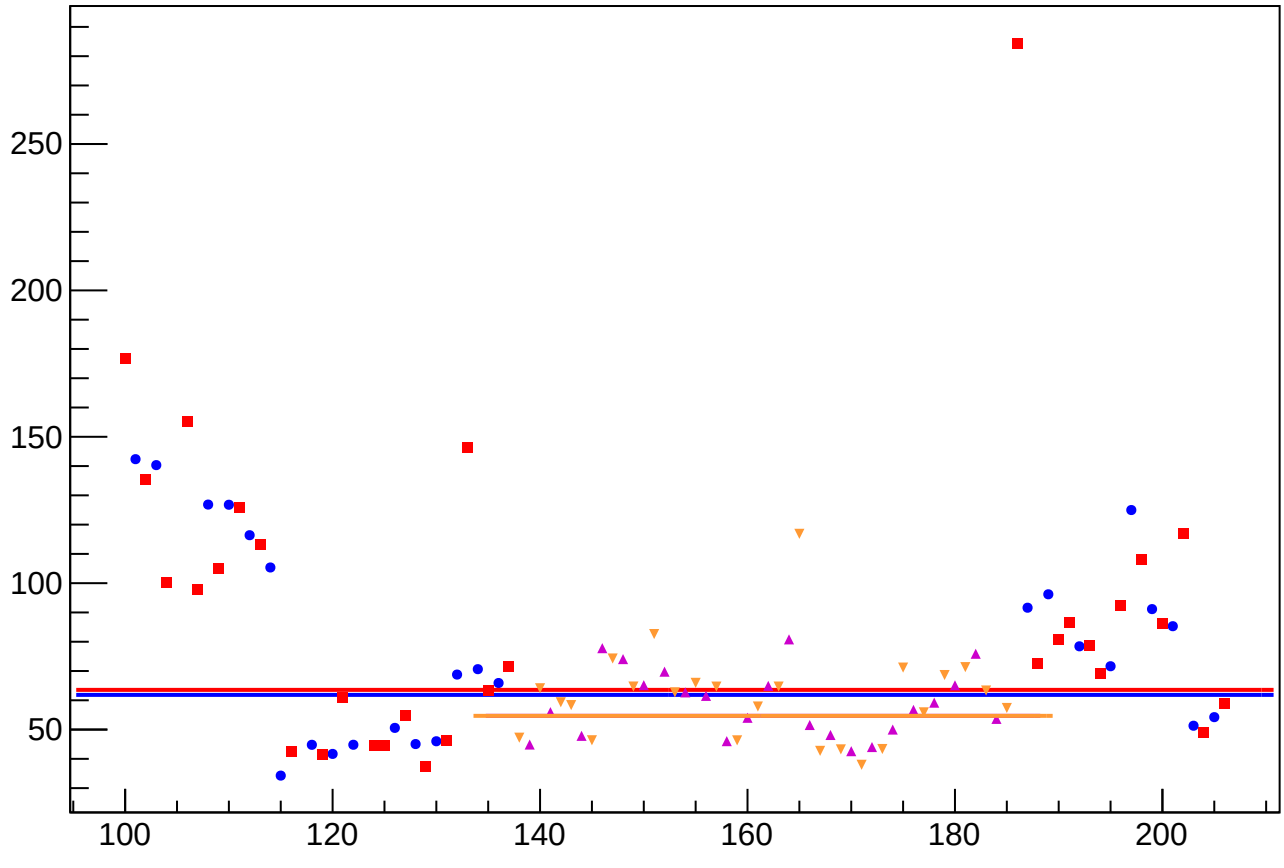
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.010+/-0.013 χ^2/NDF: 42.9/55

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.015+/-0.007 χ^2/NDF: 103.6/103



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

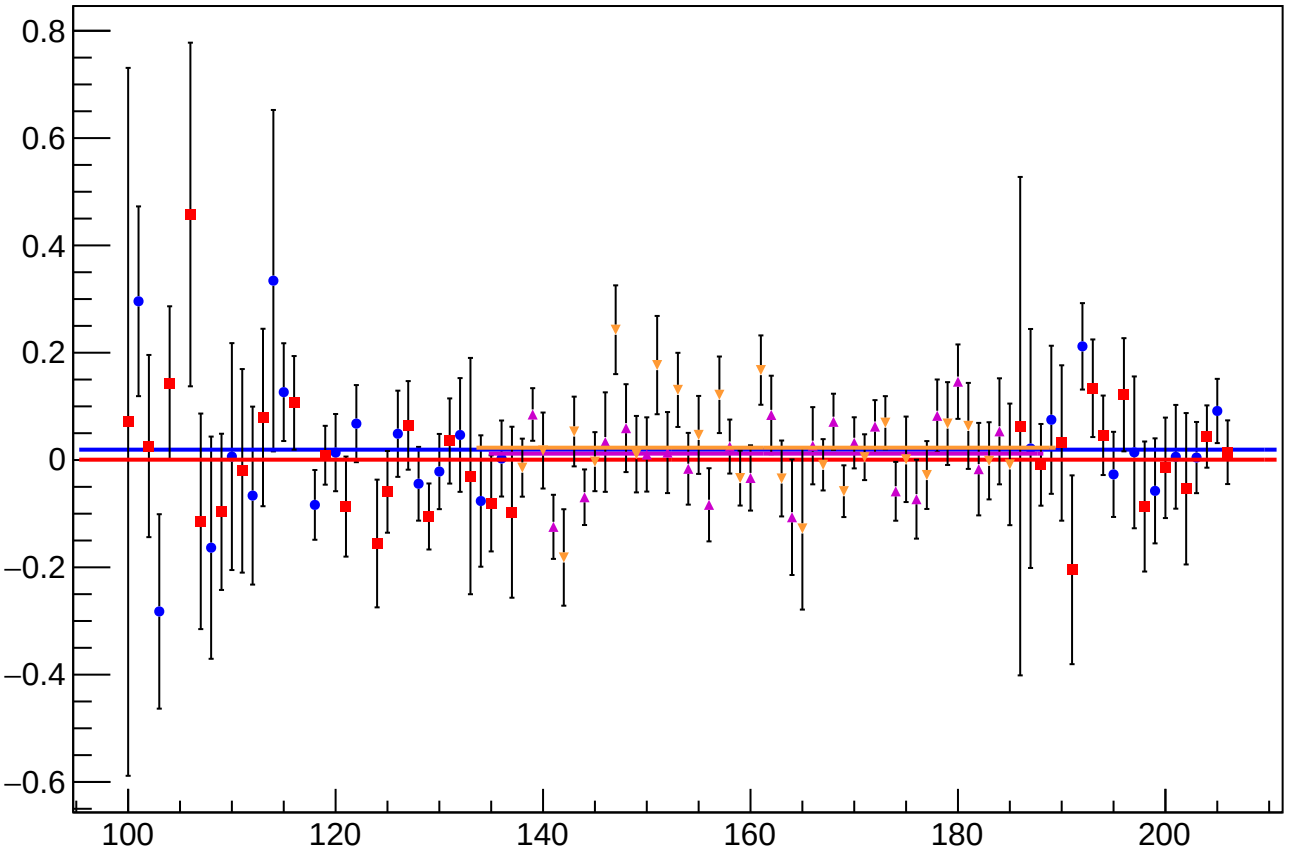
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.743+/-0.009 χ^2/NDF: 7660127.8/55

In: 57.148+/-0.008 χ^2/NDF:4749835.1/47

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.496+/-0.005 χ^2/NDF: 11315648.9/103



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

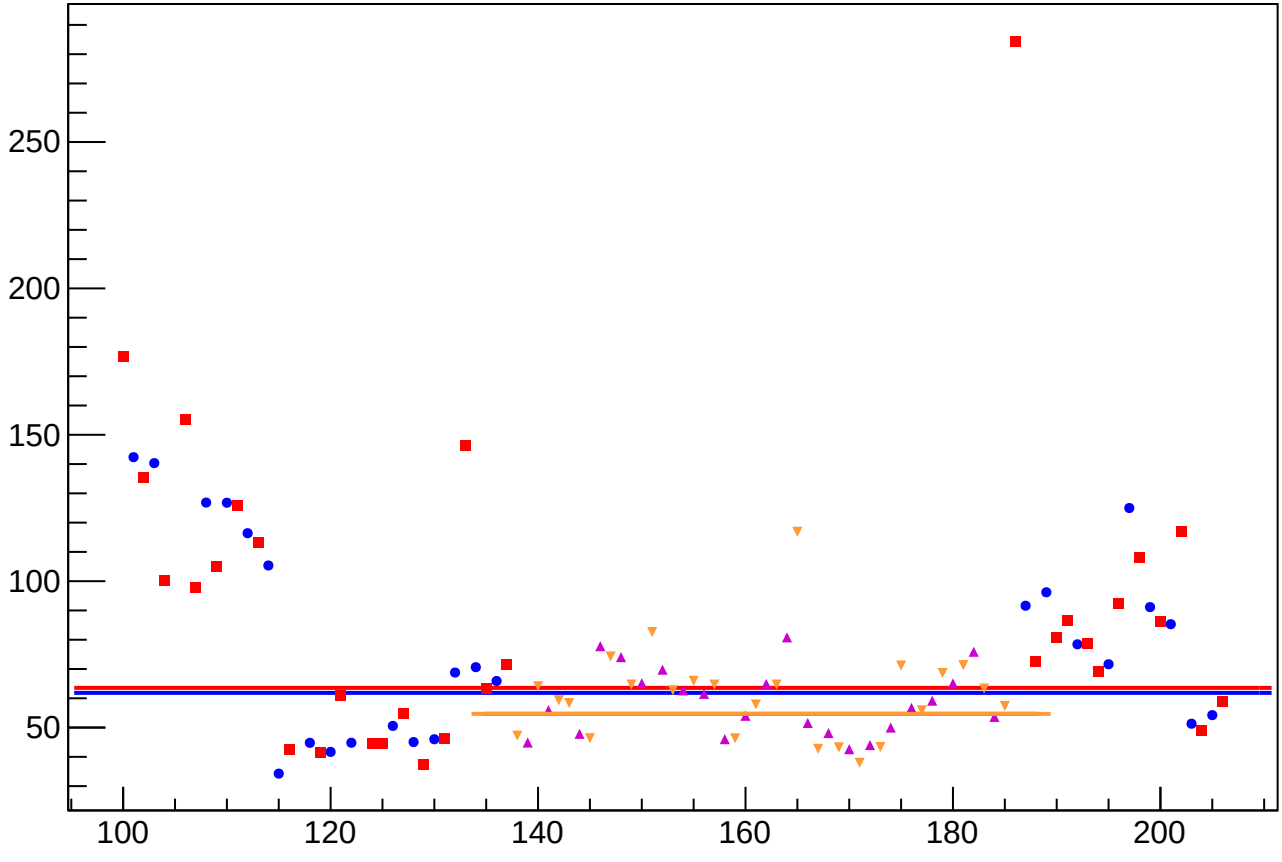
Right: 0.010+/-0.013 χ^2/NDF: 42.9/55

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.015+/-0.007 χ^2/NDF: 103.6/103

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

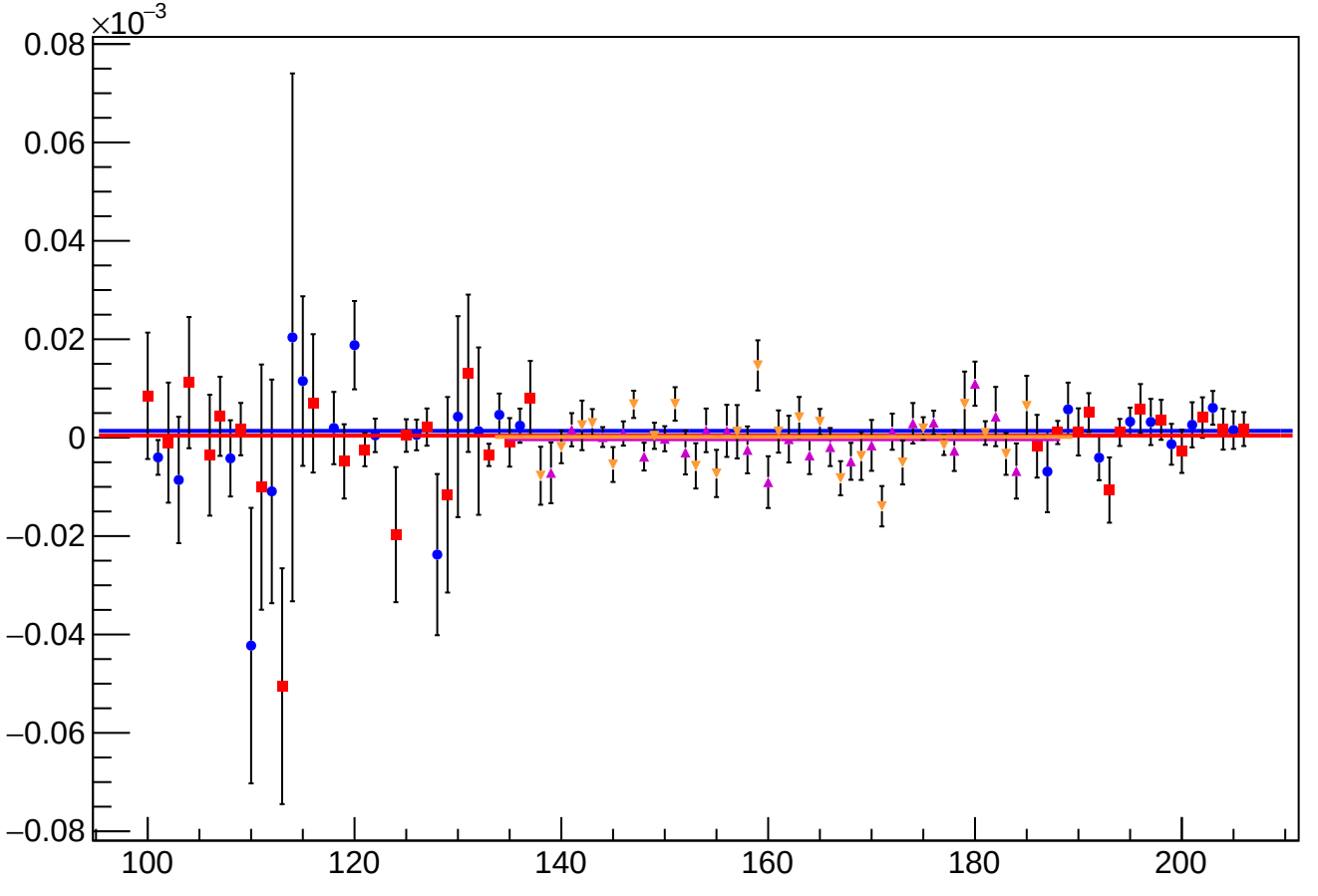
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.743+/-0.009 χ^2/NDF: 7660127.8/55

In: 57.148+/-0.008 χ^2/NDF:4749835.1/47

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.496+/-0.005 χ^2/NDF: 11315648.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/30

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

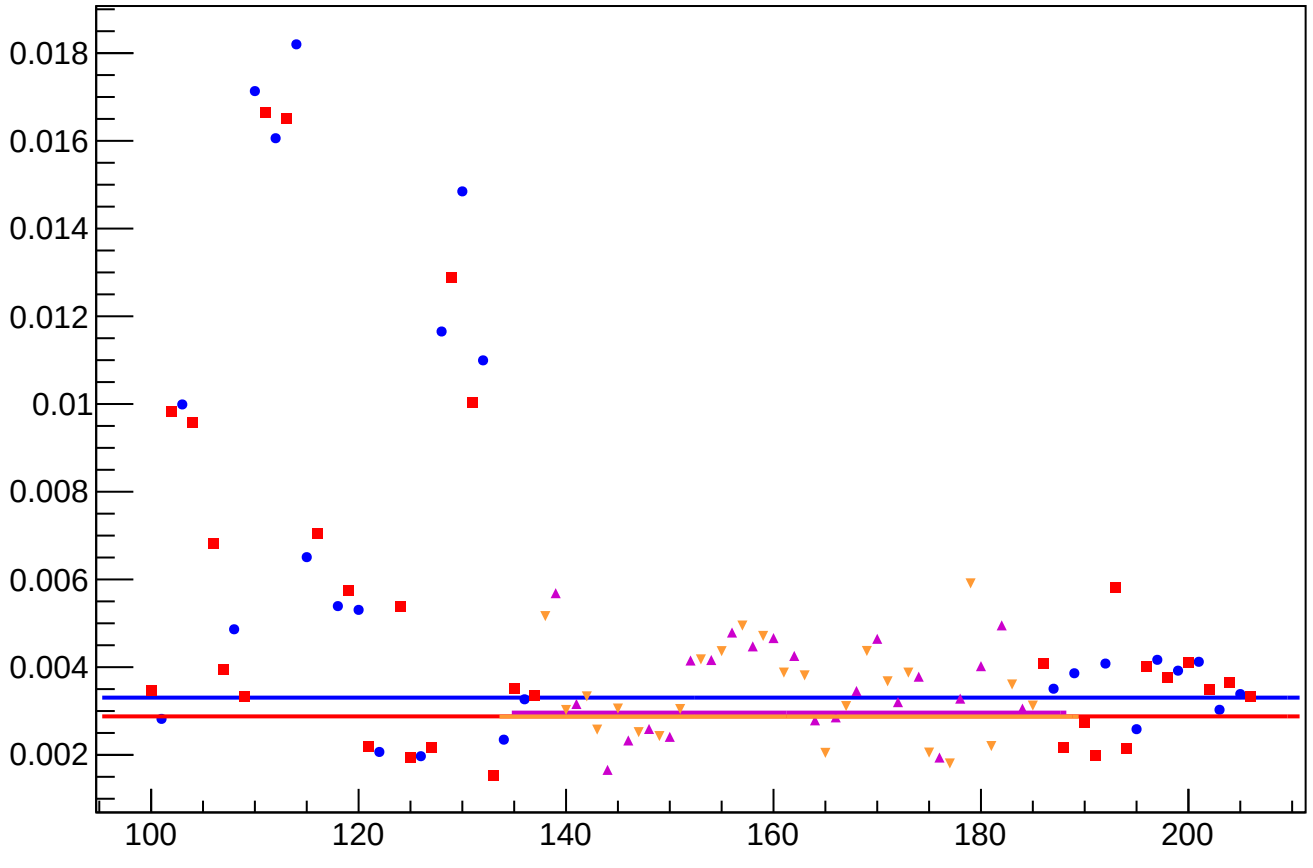
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 43.0/55

In: 0.000+/-0.000 χ^2/NDF:42.1/47

Out: 0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 118.8/103



Right In: 0.003+/-0.000 χ^2/NDF: 4960248.3/24

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6566004.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

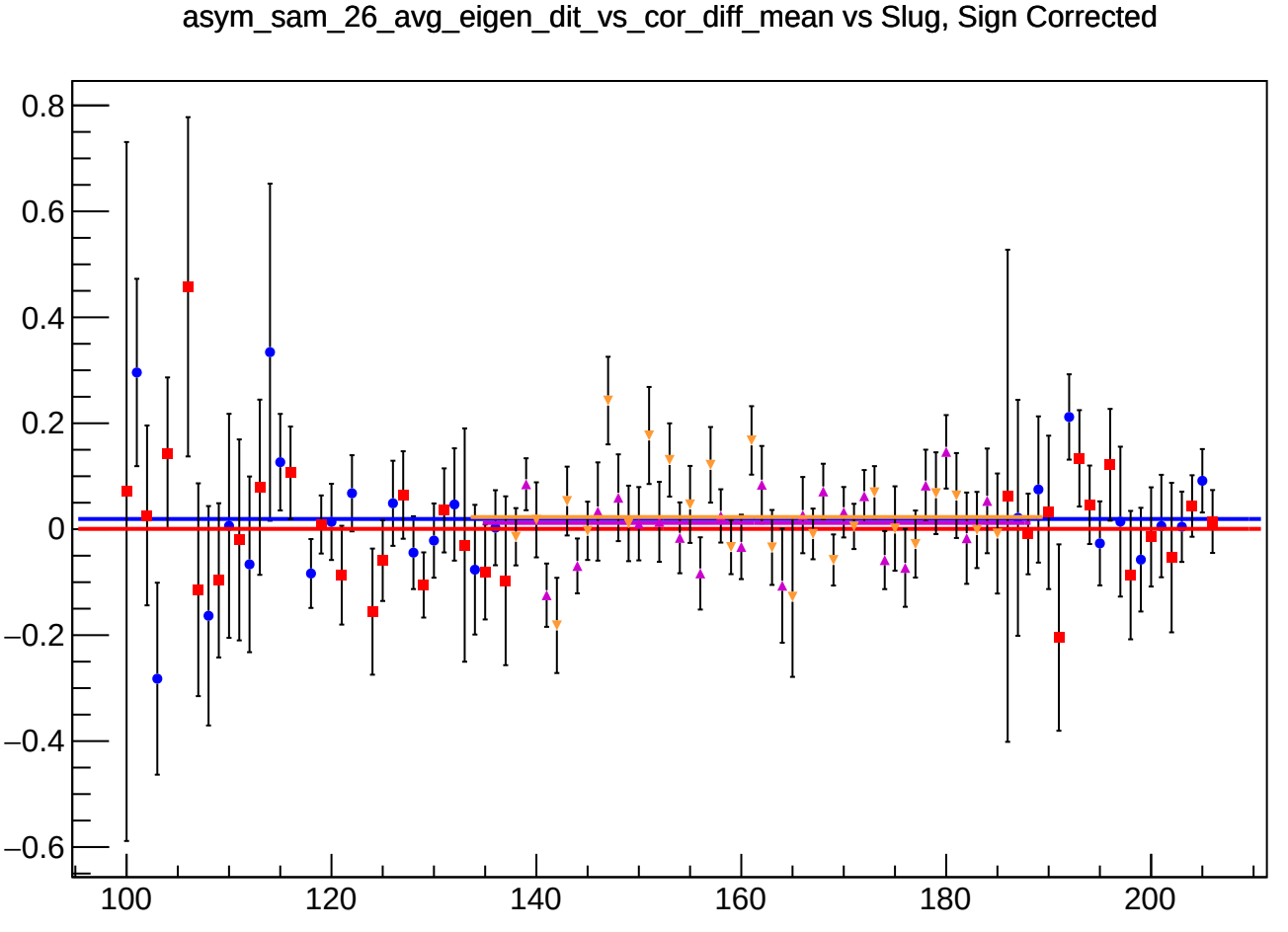
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11742194.6/55

In: 0.003+/-0.000 χ^2/NDF:8728942.2/47

Out: 0.003+/-0.000 χ^2/NDF:10168413.5/55

All: 0.003+/-0.000 χ^2/NDF: 19037093.3/103



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

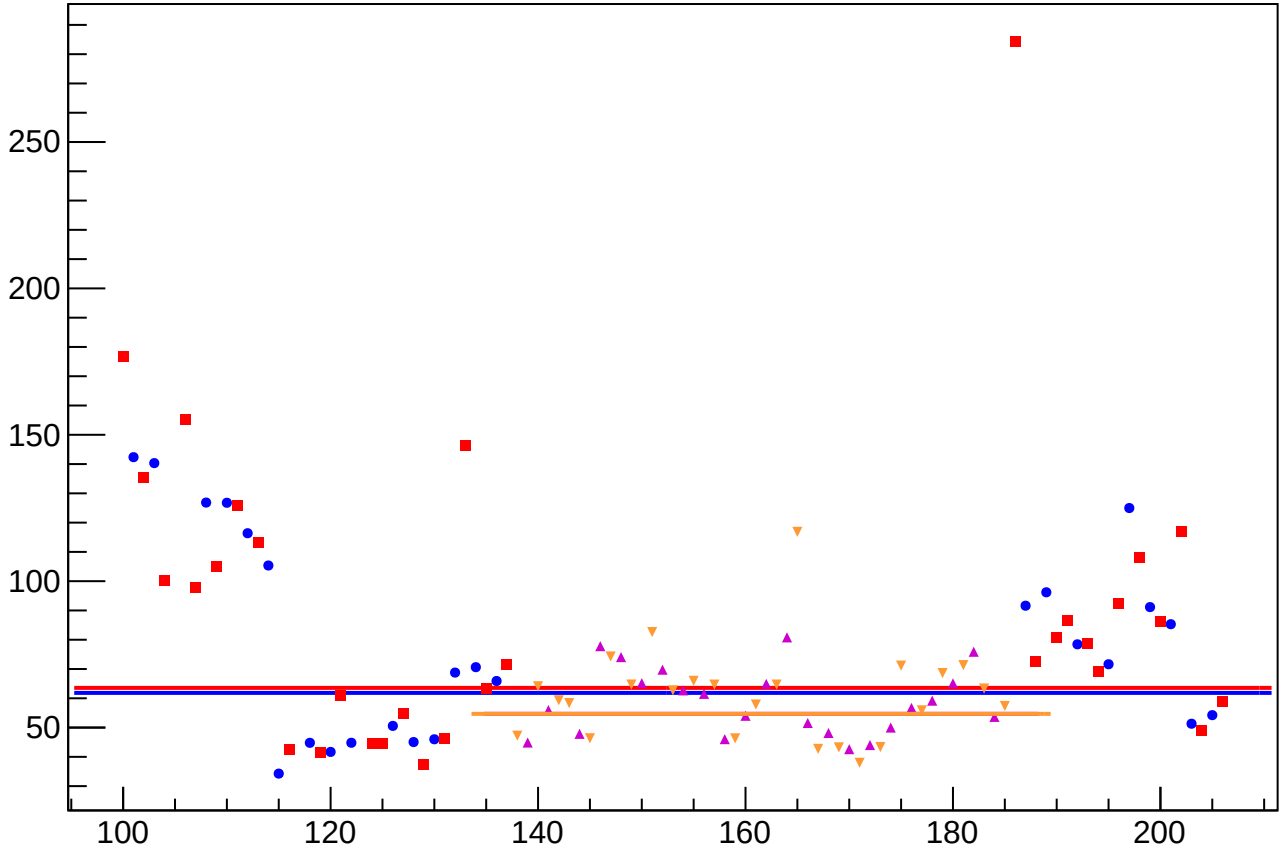
Right: 0.010+/-0.013 χ^2/NDF: 42.9/55

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.015+/-0.007 χ^2/NDF: 103.6/103

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

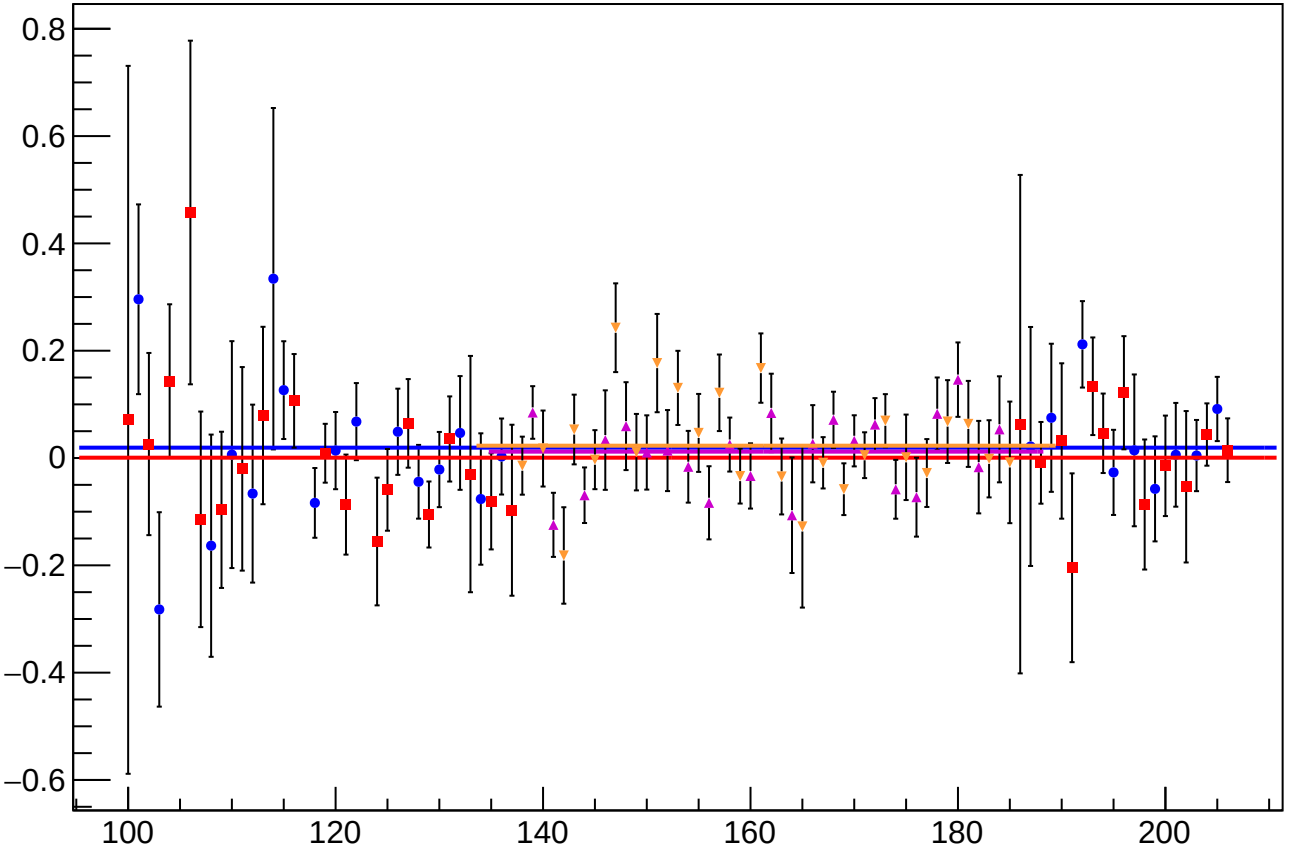
Right: 62.743+/-0.009 χ^2/NDF: 7660109.6/55

In: 57.148+/-0.008 χ^2/NDF:4749738.7/47

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.496+/-0.005 χ^2/NDF: 11315497.7/103

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

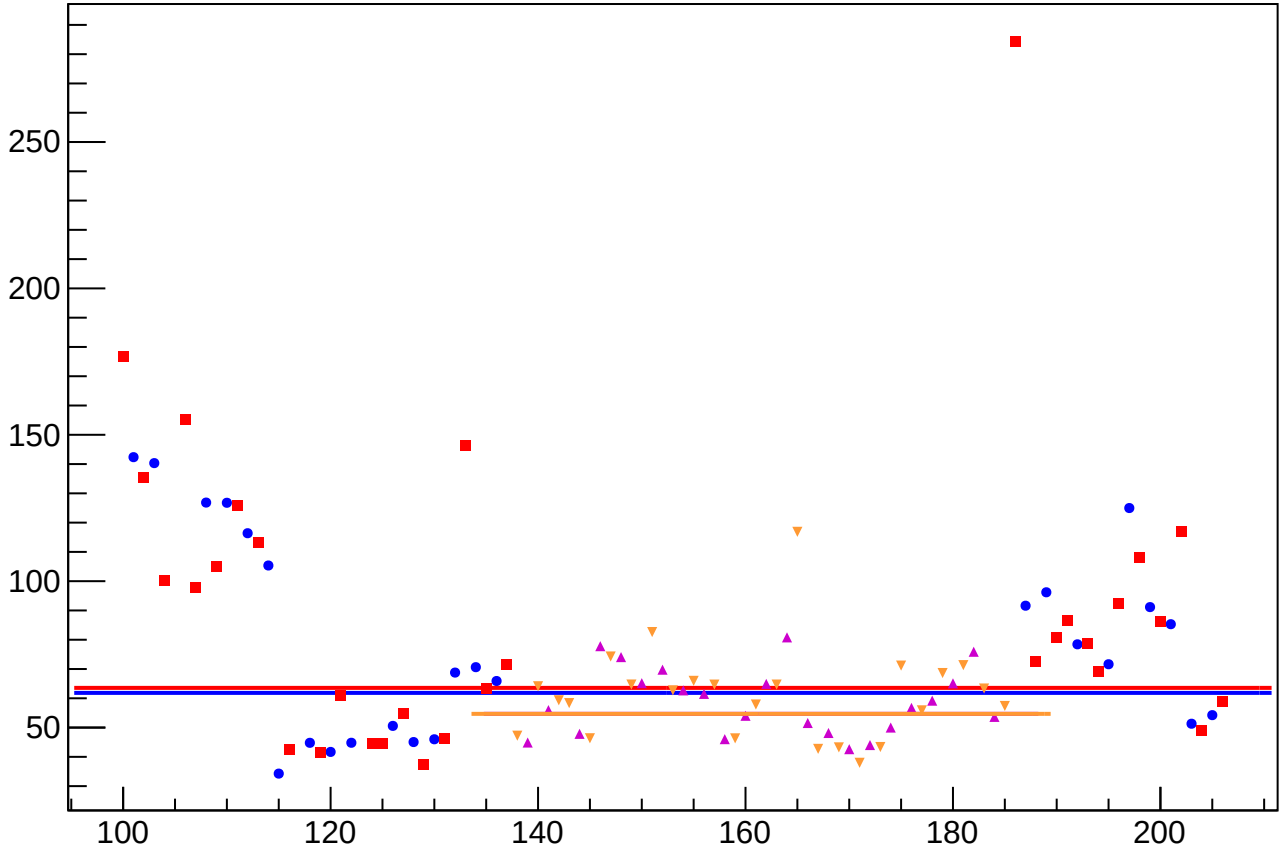
Right: 0.010+/-0.013 χ^2/NDF: 42.9/55

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.015+/-0.007 χ^2/NDF: 103.6/103

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

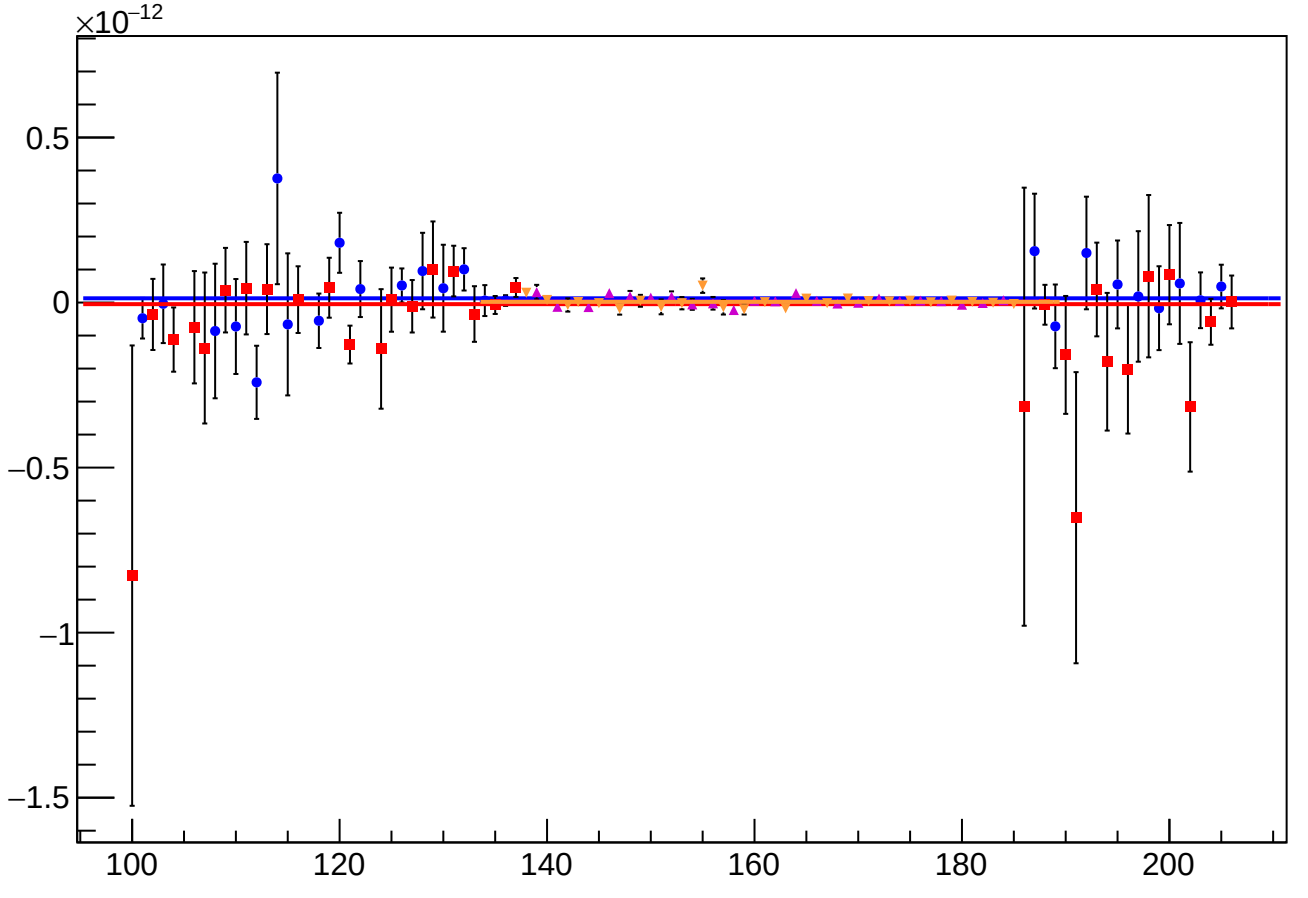
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.743+/-0.009 χ^2/NDF: 7660109.6/55

In: 57.148+/-0.008 χ^2/NDF:4749738.7/47

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.496+/-0.005 χ^2/NDF: 11315497.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/30

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

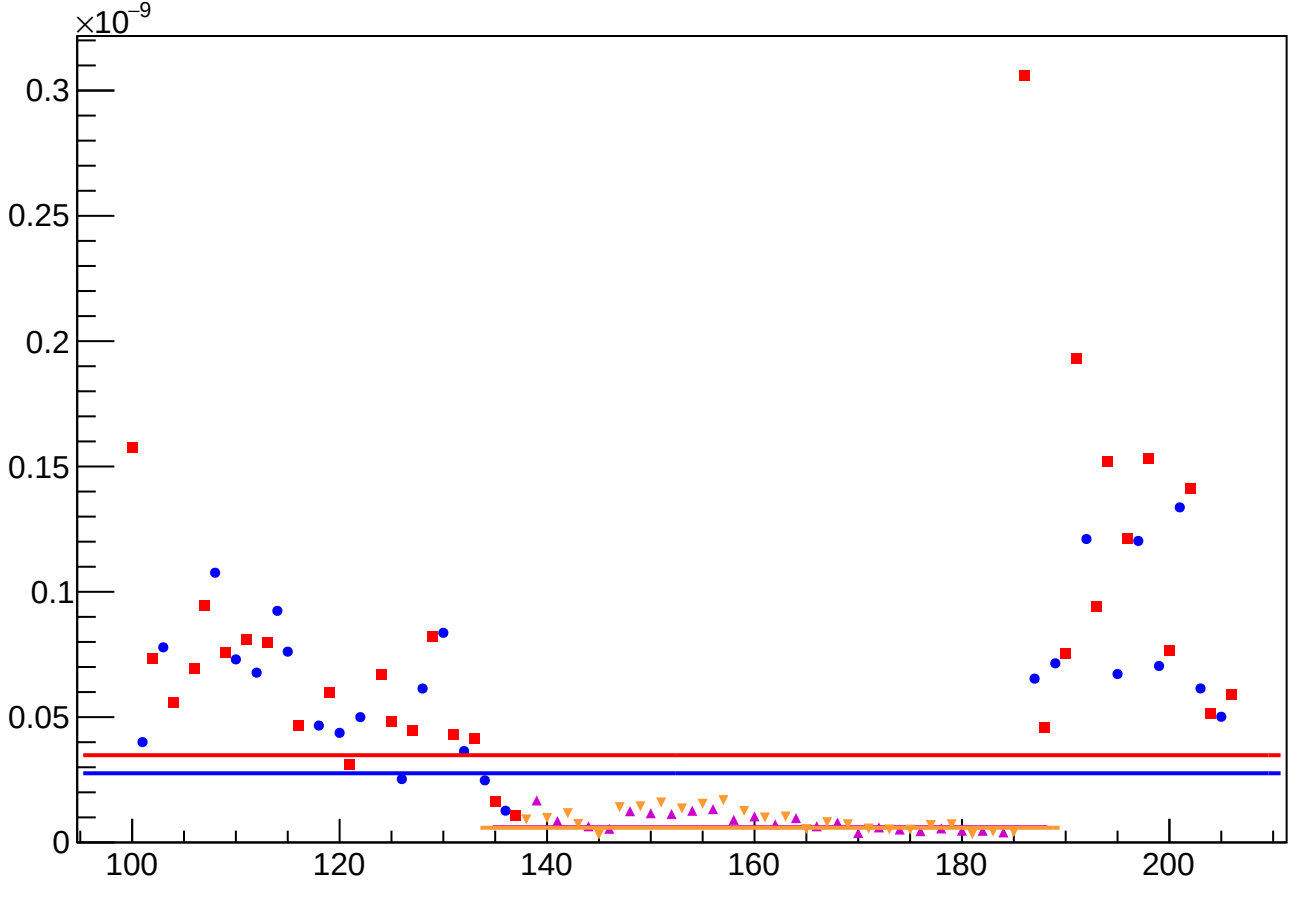
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/55

In: 0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:43.9/55

All: 0.000+/-0.000 χ^2/NDF: 95.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 6988080.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7820001.5/30

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

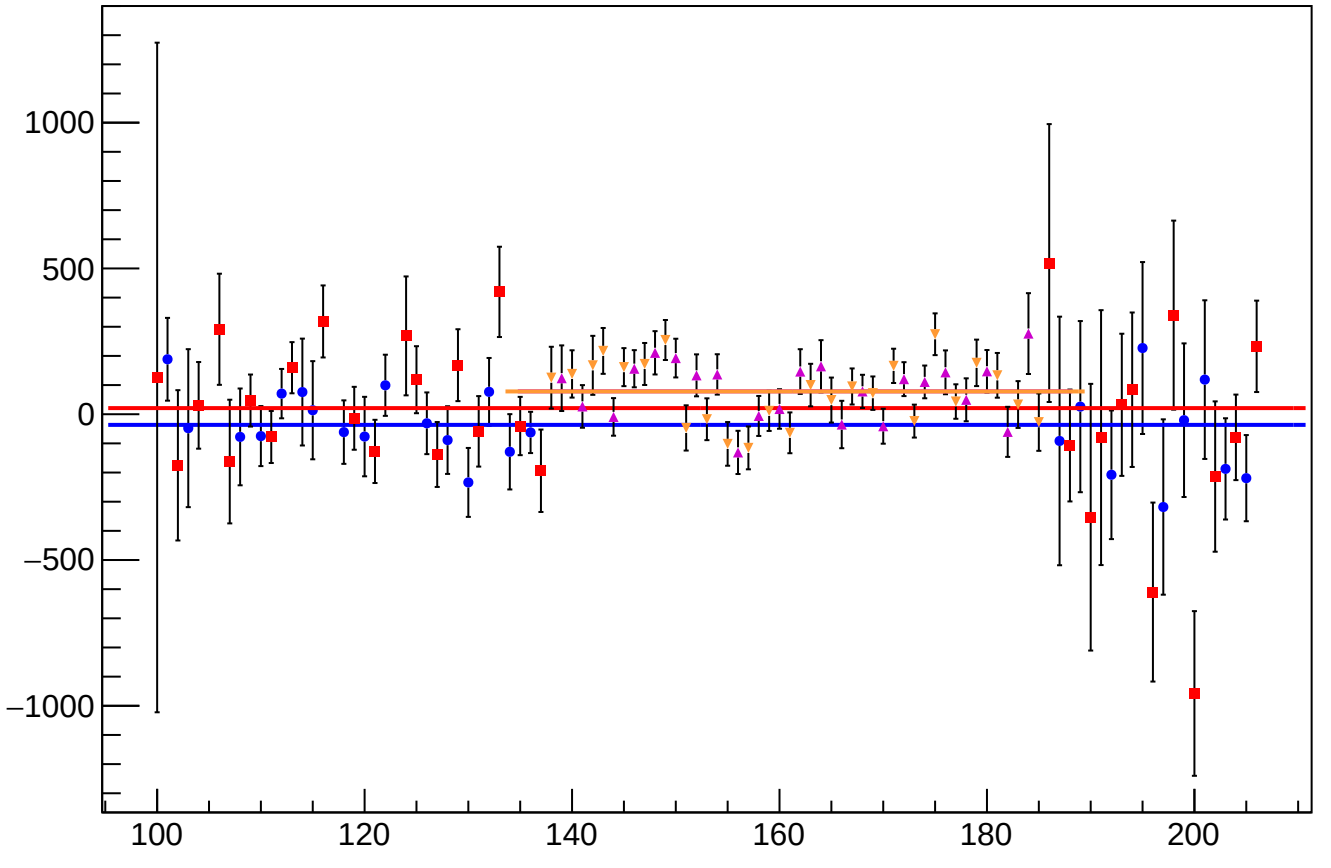
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15105134.3/55

In: 0.000+/-0.000 χ^2/NDF:16264518.4/47

Out: 0.000+/-0.000 χ^2/NDF:21638666.3/55

All: 0.000+/-0.000 χ^2/NDF: 37926528.9/103



Right In: -36.521+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.987+/-26.328 χ^2/NDF: 53.0/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

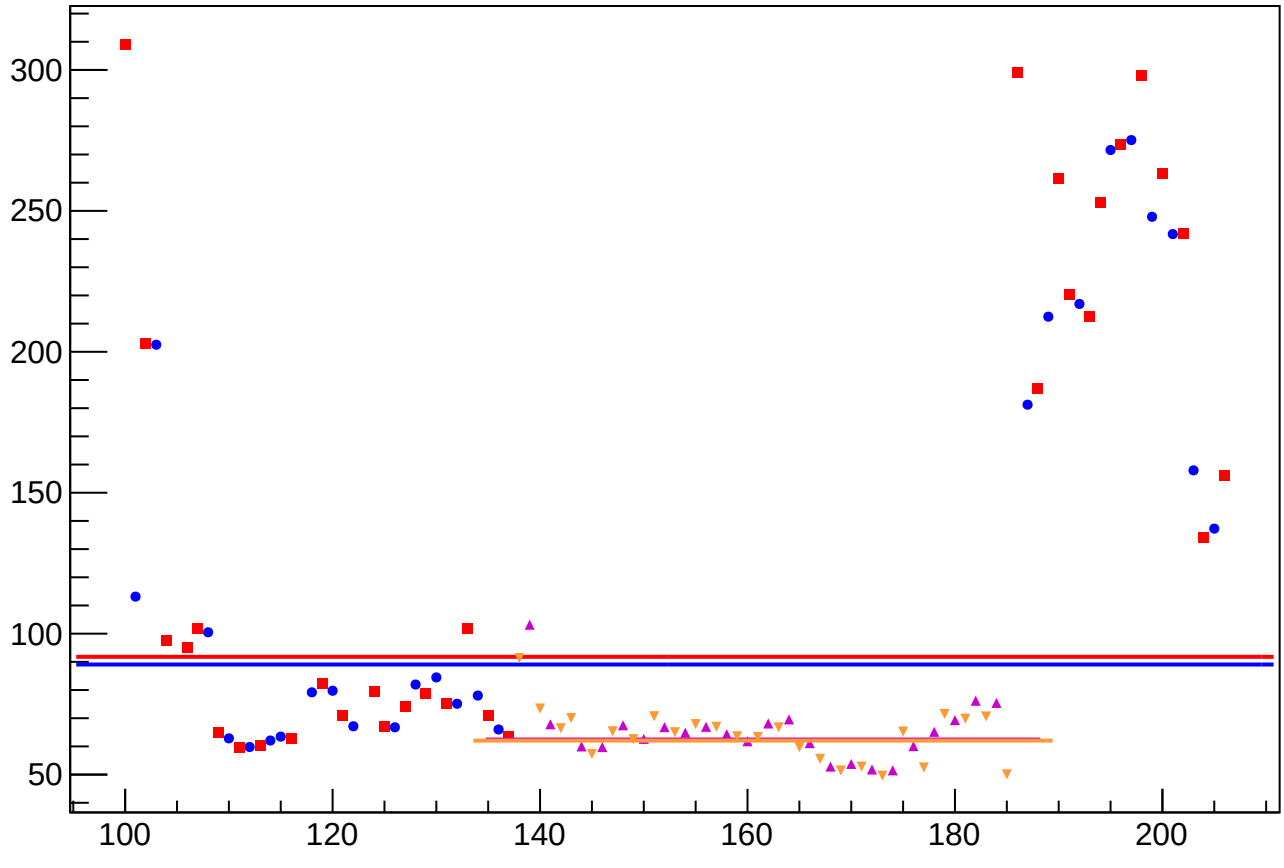
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -6.954+/-18.878 χ^2/NDF: 71.5/55

In: 52.024+/-12.995 χ^2/NDF:66.7/47

Out: 65.099+/-12.583 χ^2/NDF:110.5/55

All: 58.771+/-9.040 χ^2/NDF: 177.7/103



Right In: 89.056+/-0.019 χ^2/NDF: 5880288.6/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.784+/-0.019 χ^2/NDF: 7709215.2/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

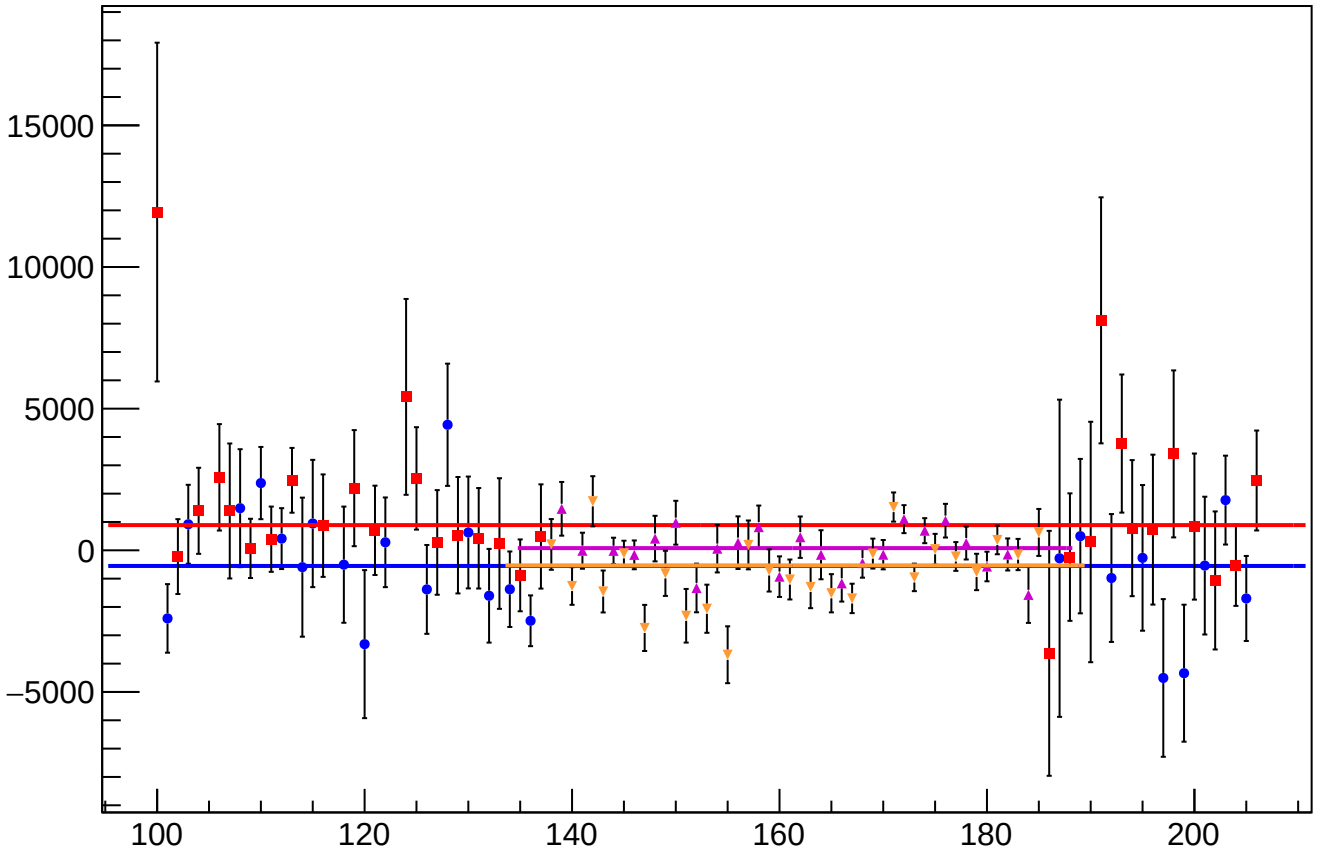
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 90.458+/-0.013 χ^2/NDF: 13599933.6/55

In: 68.572+/-0.009 χ^2/NDF:8031275.6/47

Out: 68.852+/-0.009 χ^2/NDF:10362233.2/55

All: 68.716+/-0.006 χ^2/NDF: 18393988.5/103



Right In: -552.408+/-334.380 χ^2/NDF: 31.2/24

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.673+/-327.911 χ^2/NDF: 21.7/30

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

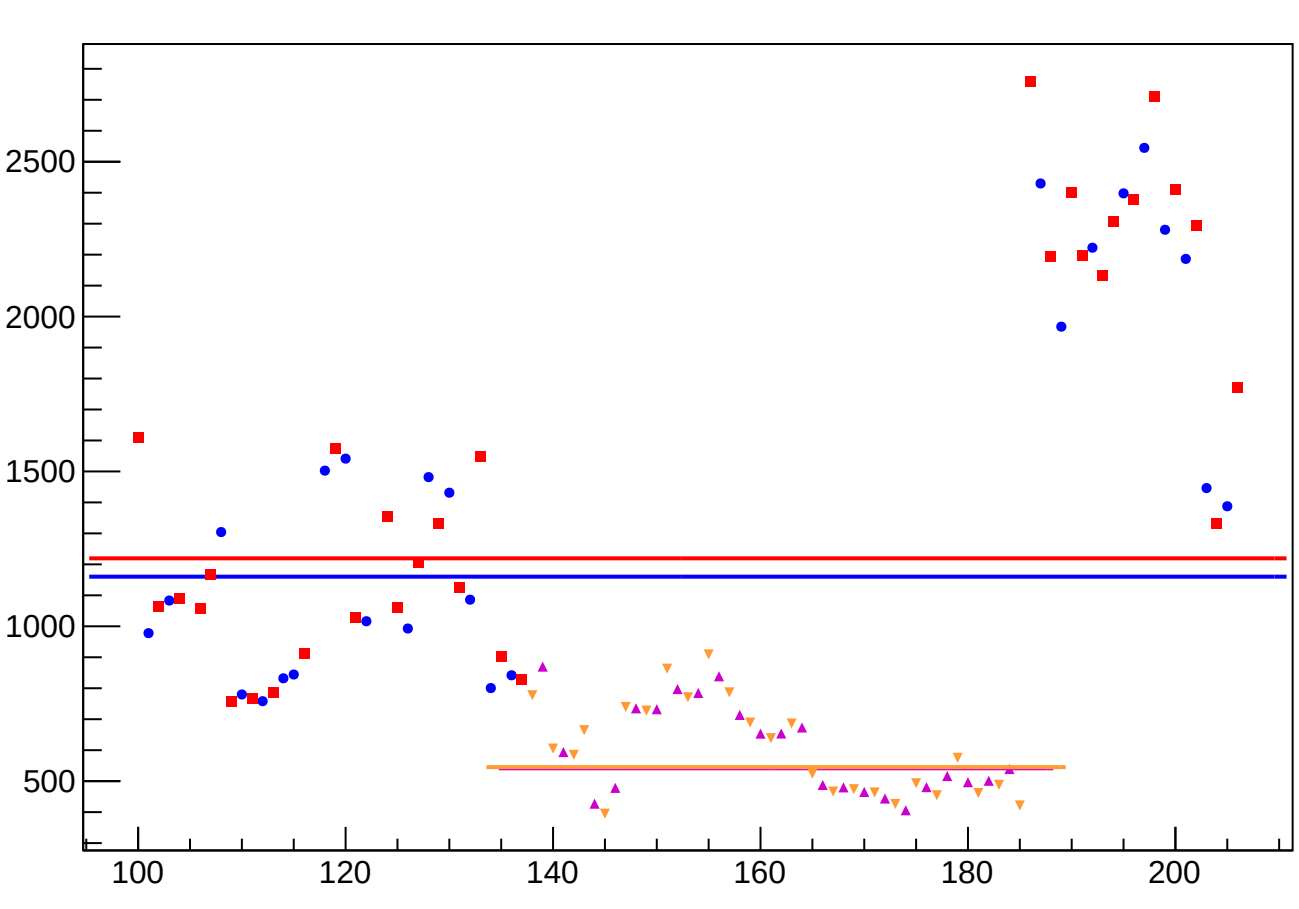
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 182.716+/-234.122 χ^2/NDF: 62.4/55

In: -5.653+/-121.422 χ^2/NDF:62.6/47

Out: -344.882+/-119.178 χ^2/NDF:107.2/55

All: -178.431+/-85.054 χ^2/NDF: 173.8/103



Right In: 1160.267+/-0.236 χ^2/NDF: 3793754.9/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1219.378+/-0.232 χ^2/NDF: 4978914.7/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

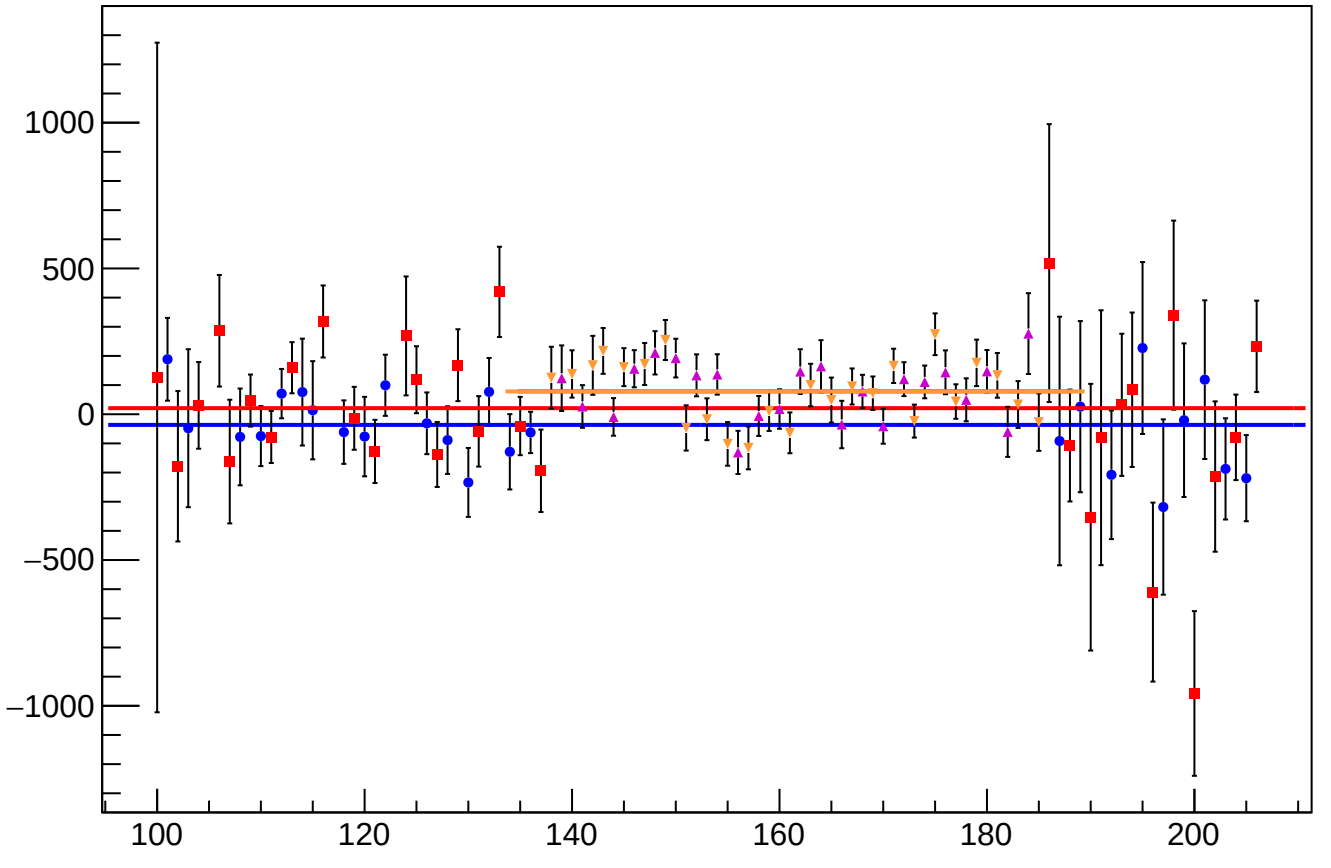
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1190.400+/-0.166 χ^2/NDF: 8804529.5/55

In: 623.054+/-0.086 χ^2/NDF:11580492.5/47

Out: 634.345+/-0.084 χ^2/NDF:14397672.4/55

All: 628.805+/-0.060 χ^2/NDF: 25986972.9/10



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.814+/-26.330 χ^2/NDF: 52.9/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

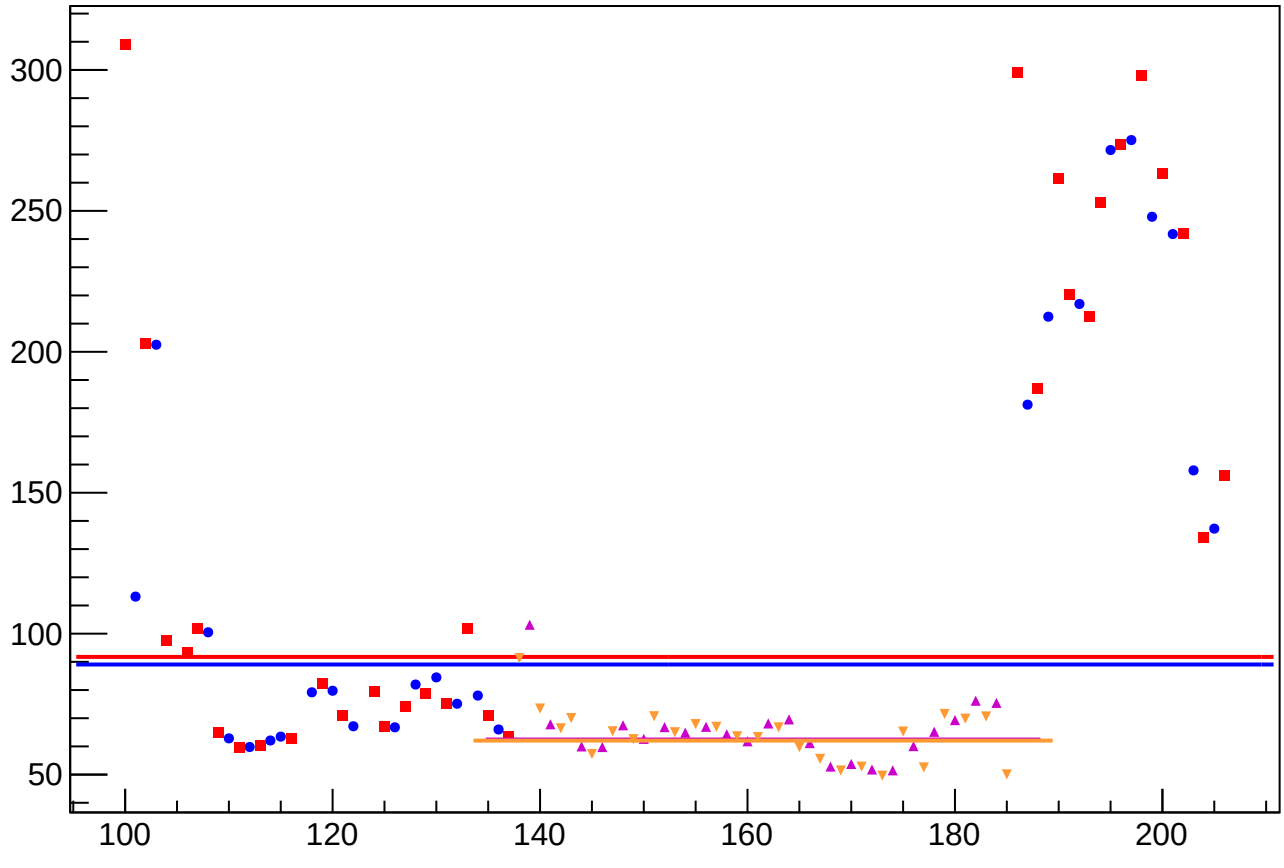
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -7.050+/-18.879 χ^2/NDF: 71.4/55

In: 52.022+/-12.995 χ^2/NDF:66.7/47

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 58.752+/-9.040 χ^2/NDF: 177.7/103



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

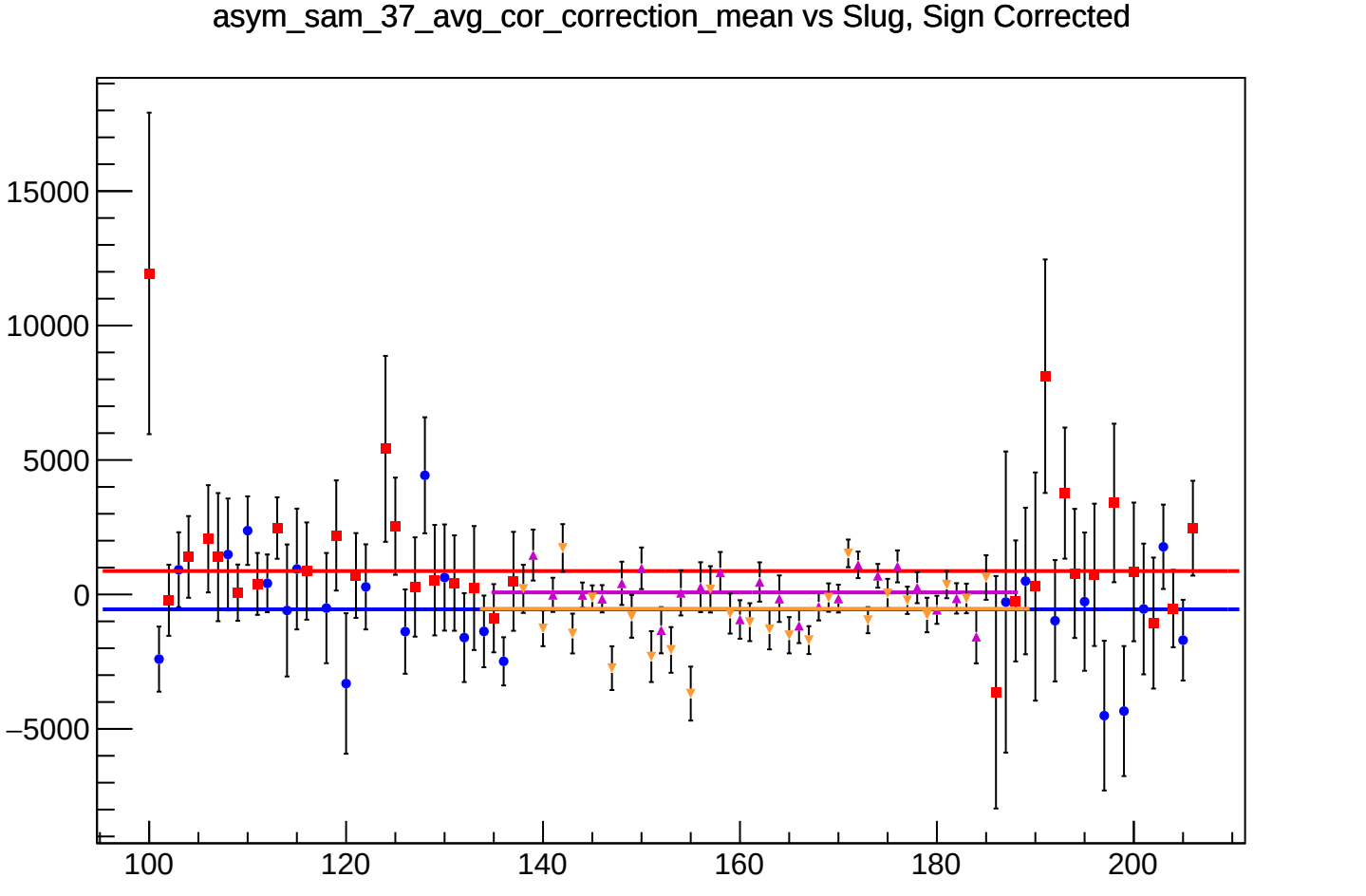
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 90.441+/-0.013 χ^2/NDF: 13599457.0/55

In: 68.572+/-0.009 χ^2/NDF:8031277.6/47

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 68.712+/-0.006 χ^2/NDF: 18389141.9/103



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

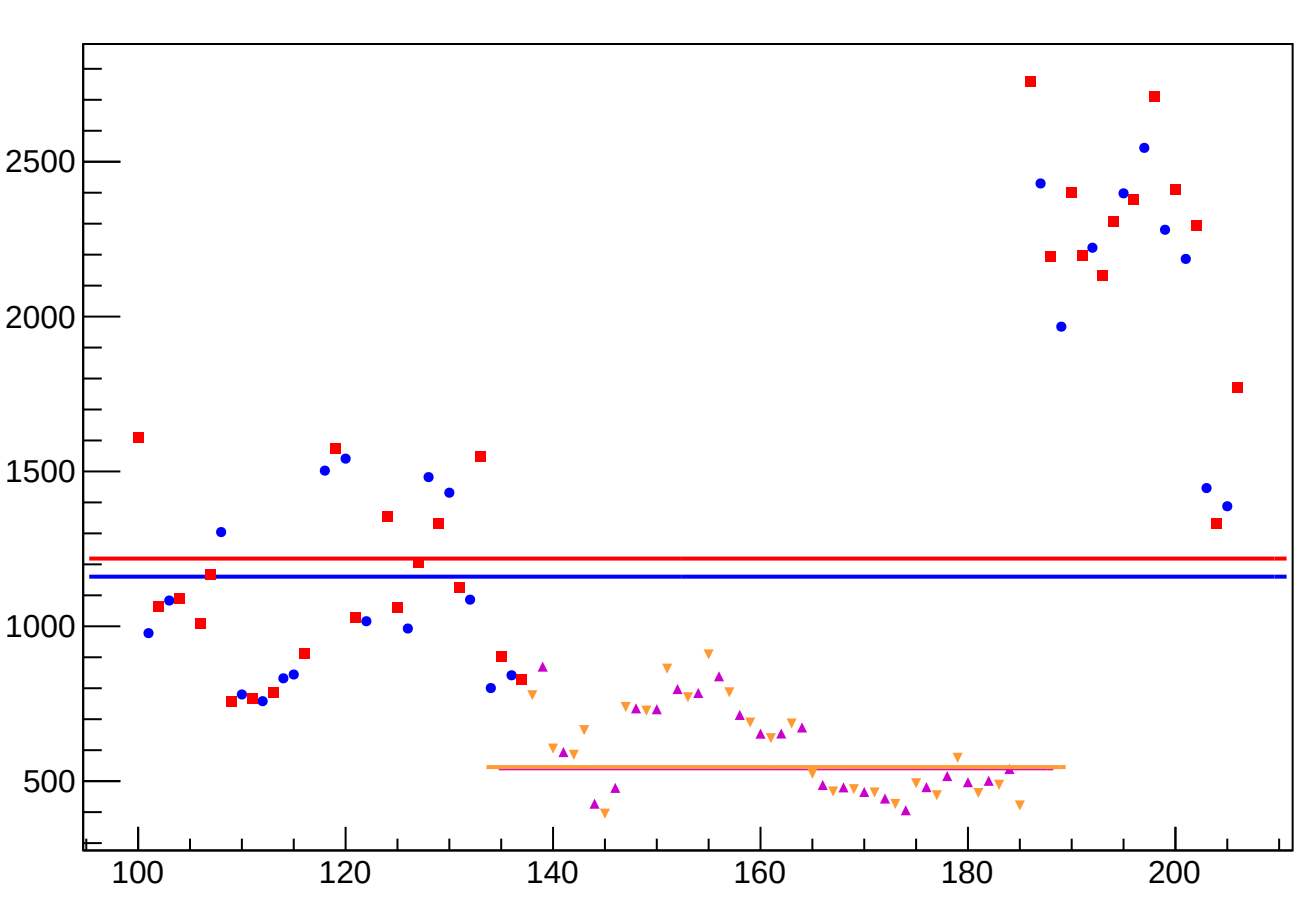
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 171.772+/-234.334 χ^2/NDF: 61.7/55

In: -5.651+/-121.422 χ^2/NDF:62.6/47

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -179.958+/-85.064 χ^2/NDF: 172.9/103



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

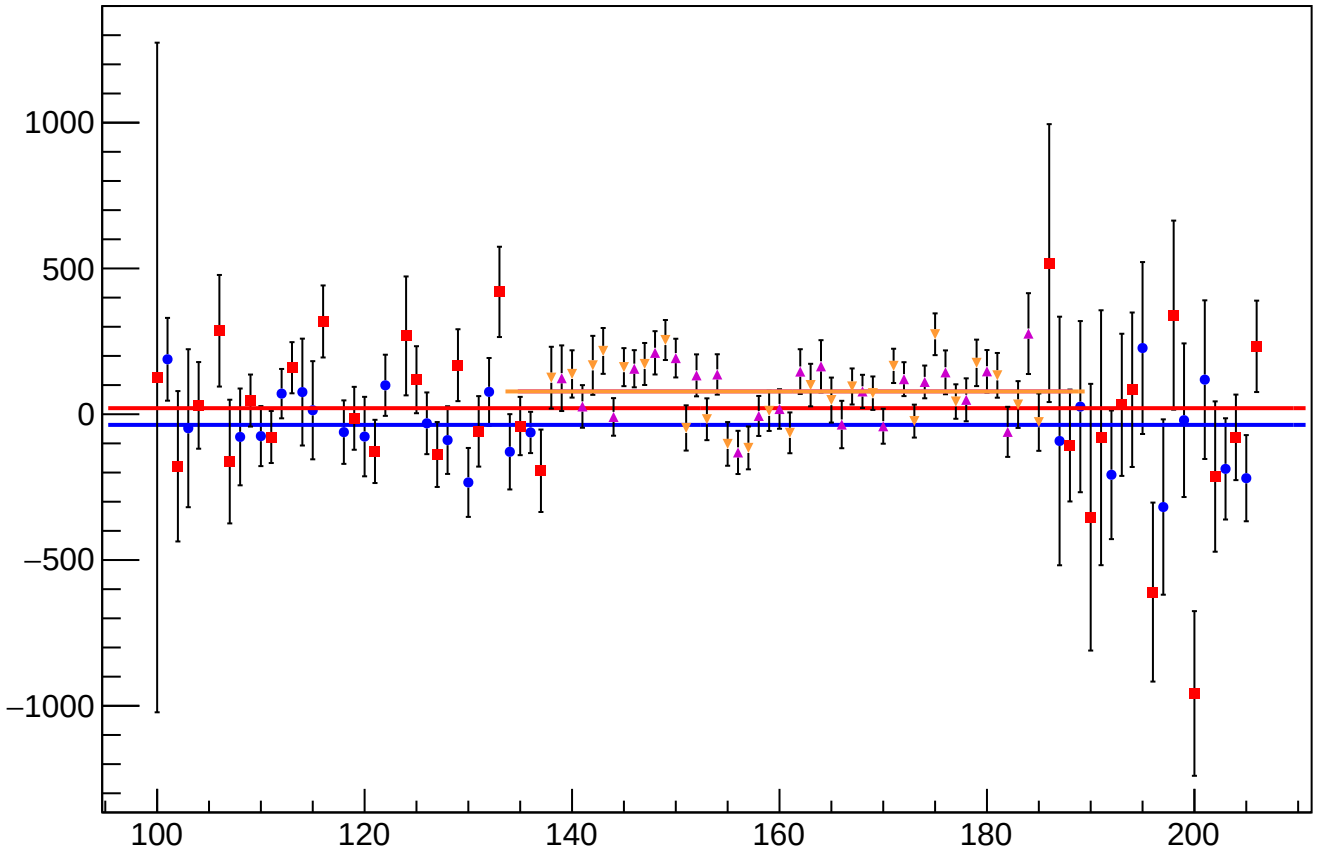
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1190.003+/-0.166 χ^2/NDF: 8810726.6/55

In: 623.054+/-0.086 χ^2/NDF:11580549.5/47

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 628.618+/-0.060 χ^2/NDF: 25956073.7/10



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.814+/-26.330 χ^2/NDF: 52.9/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

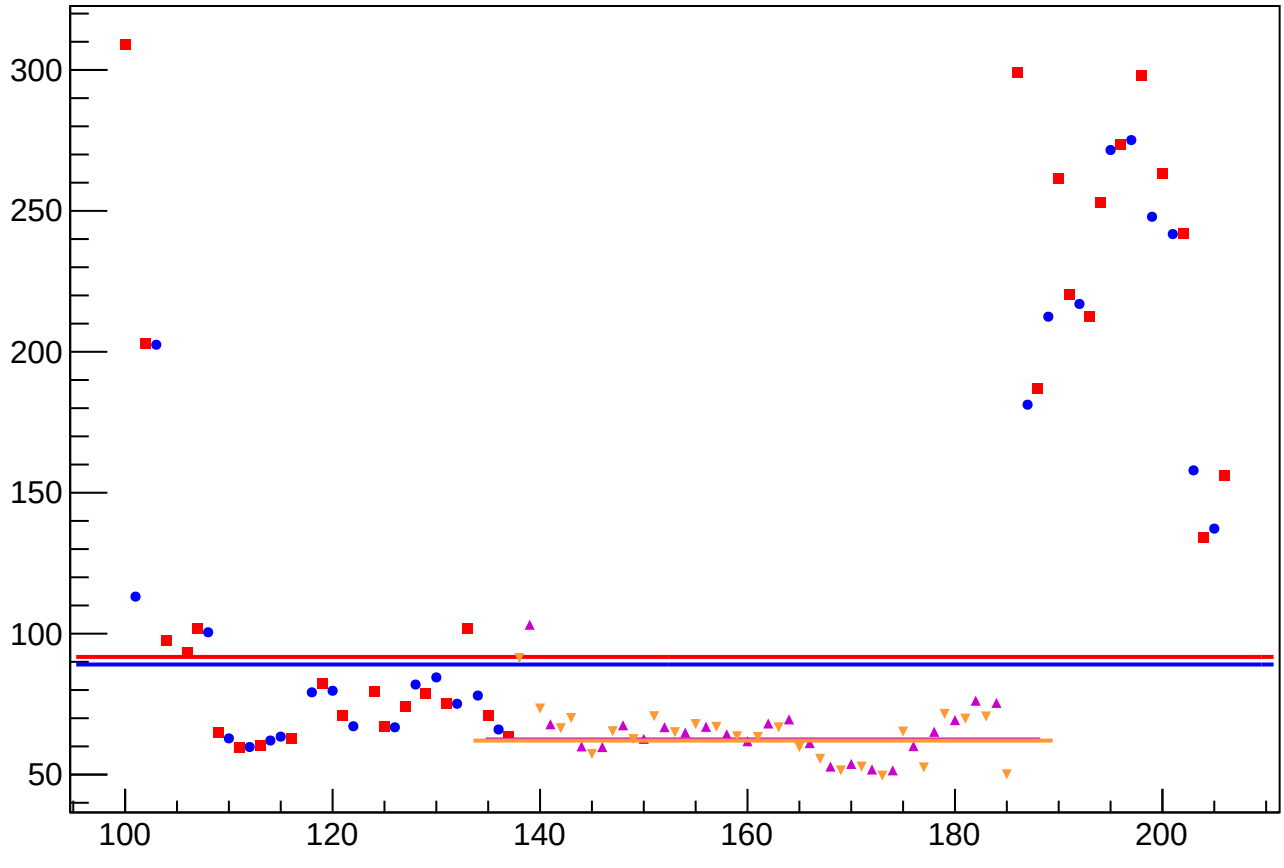
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -7.050+/-18.879 χ^2/NDF: 71.4/55

In: 52.022+/-12.995 χ^2/NDF:66.7/47

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 58.752+/-9.040 χ^2/NDF: 177.7/103



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

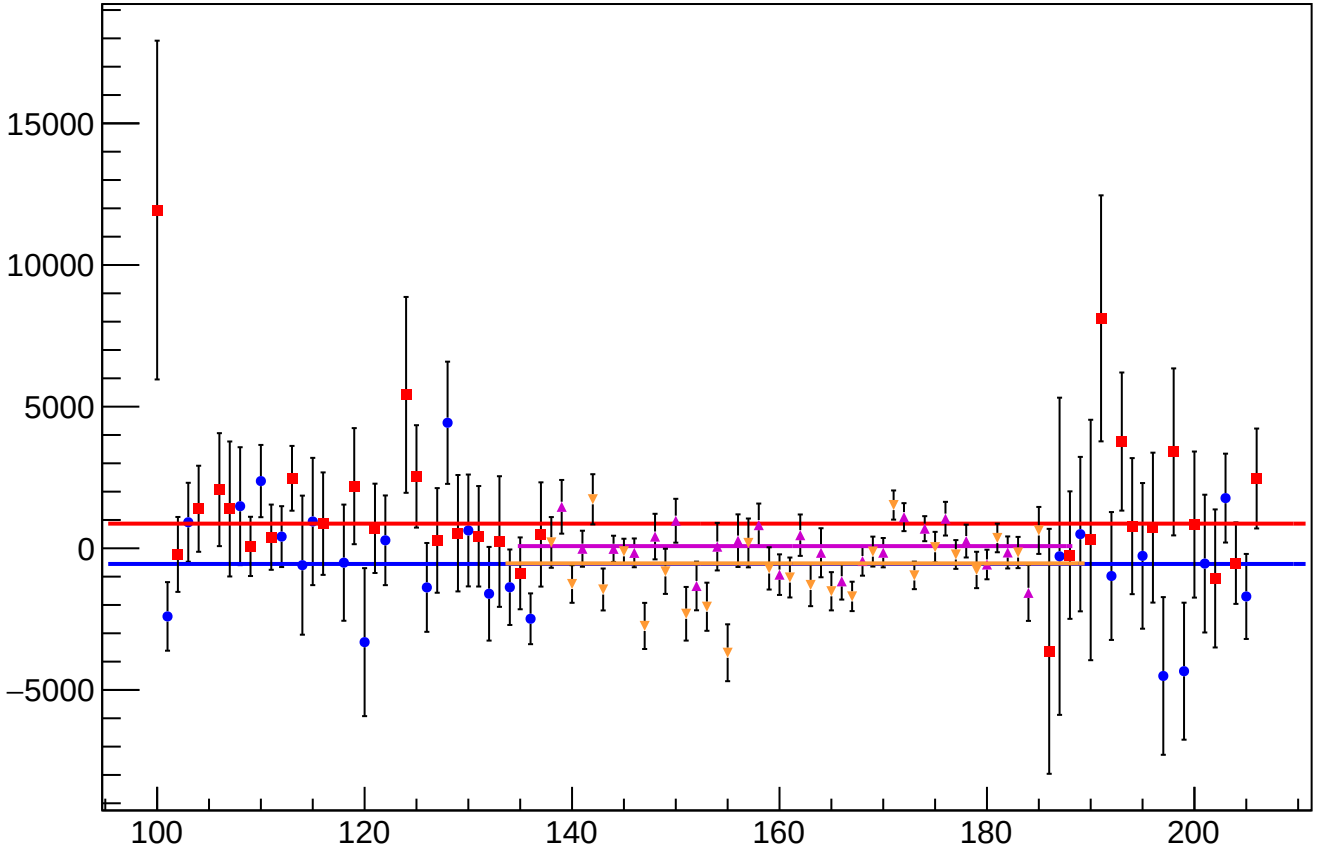
Right: 90.441+/-0.013 χ^2/NDF: 13599457.0/55

In: 68.572+/-0.009 χ^2/NDF:8031277.6/47

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 68.712+/-0.006 χ^2/NDF: 18389141.9/103

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

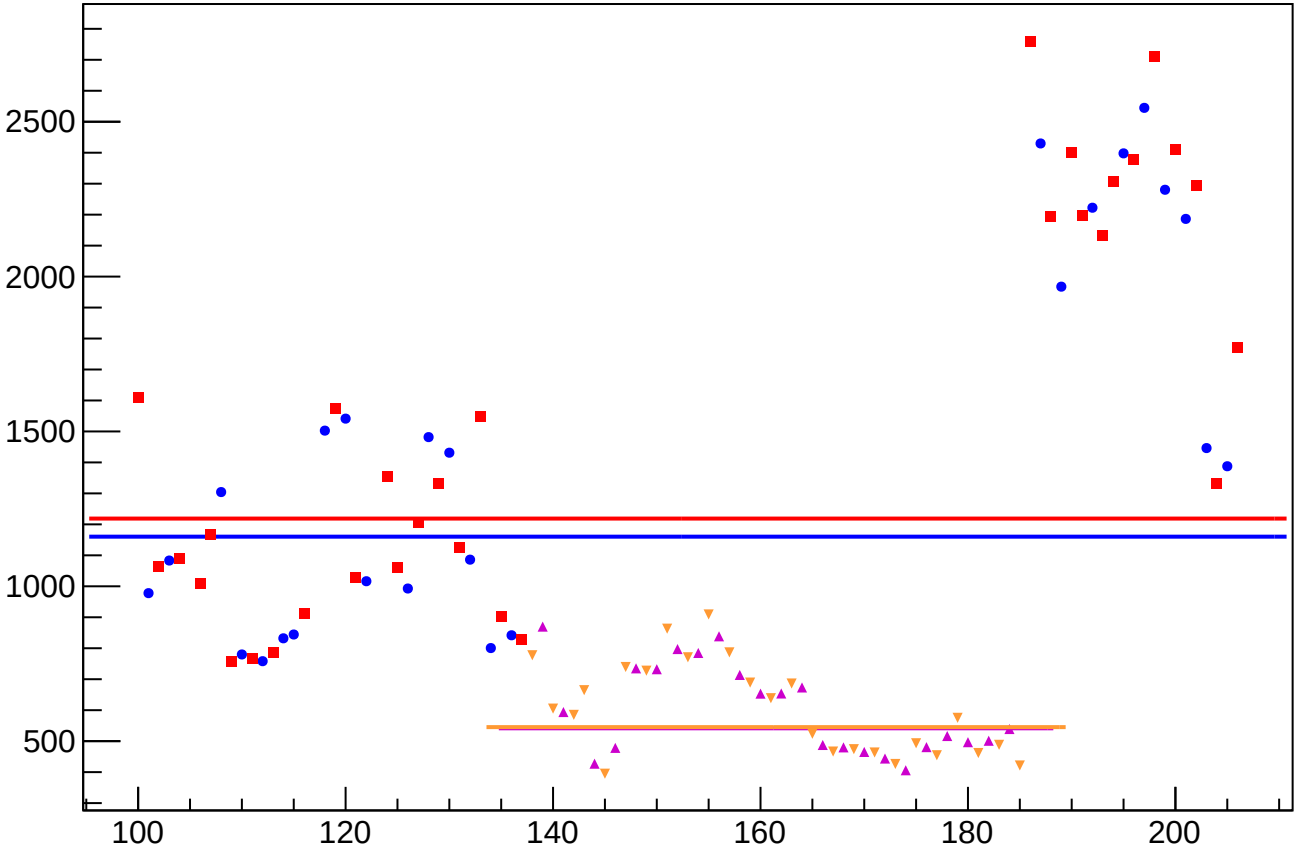
Right: 171.772+/-234.334 χ^2/NDF: 61.7/55

In: -5.651+/-121.422 χ^2/NDF:62.6/47

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -179.958+/-85.064 χ^2/NDF: 172.9/103

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

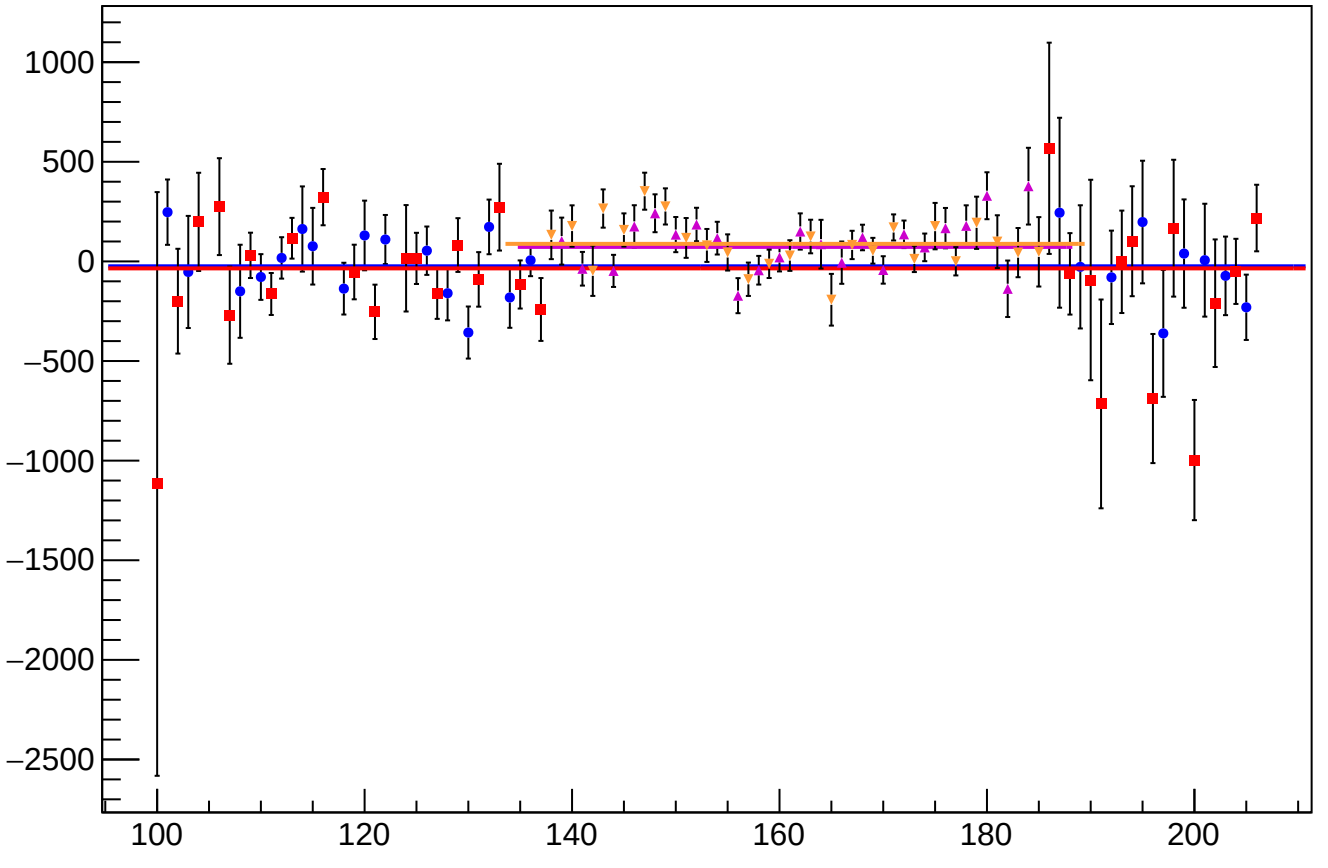
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1190.003+/-0.166 χ^2/NDF: 8810726.6/55

In: 623.054+/-0.086 χ^2/NDF:11580549.5/47

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 628.618+/-0.060 χ^2/NDF: 25956073.7/10



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.034+/-31.058 χ^2/NDF: 44.1/30

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

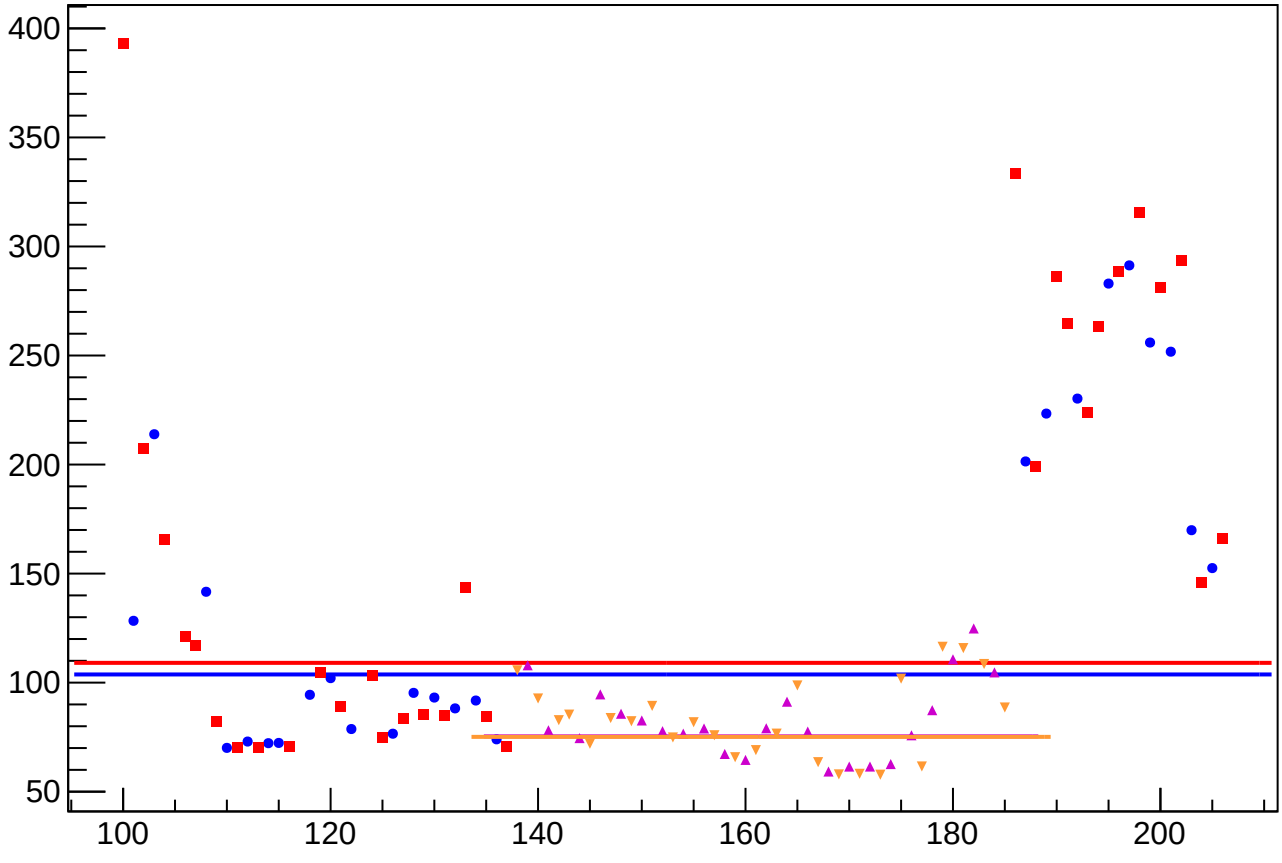
Right: -29.861+/-22.052 χ^2/NDF: 66.2/55

In: 48.090+/-15.784 χ^2/NDF:67.7/47

Out: 57.752+/-15.407 χ^2/NDF:92.9/55

All: 53.038+/-11.025 χ^2/NDF: 160.8/103

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 103.749+/-0.022 χ^2/NDF: 5291280.3/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 109.069+/-0.022 χ^2/NDF: 7098992.9/30

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

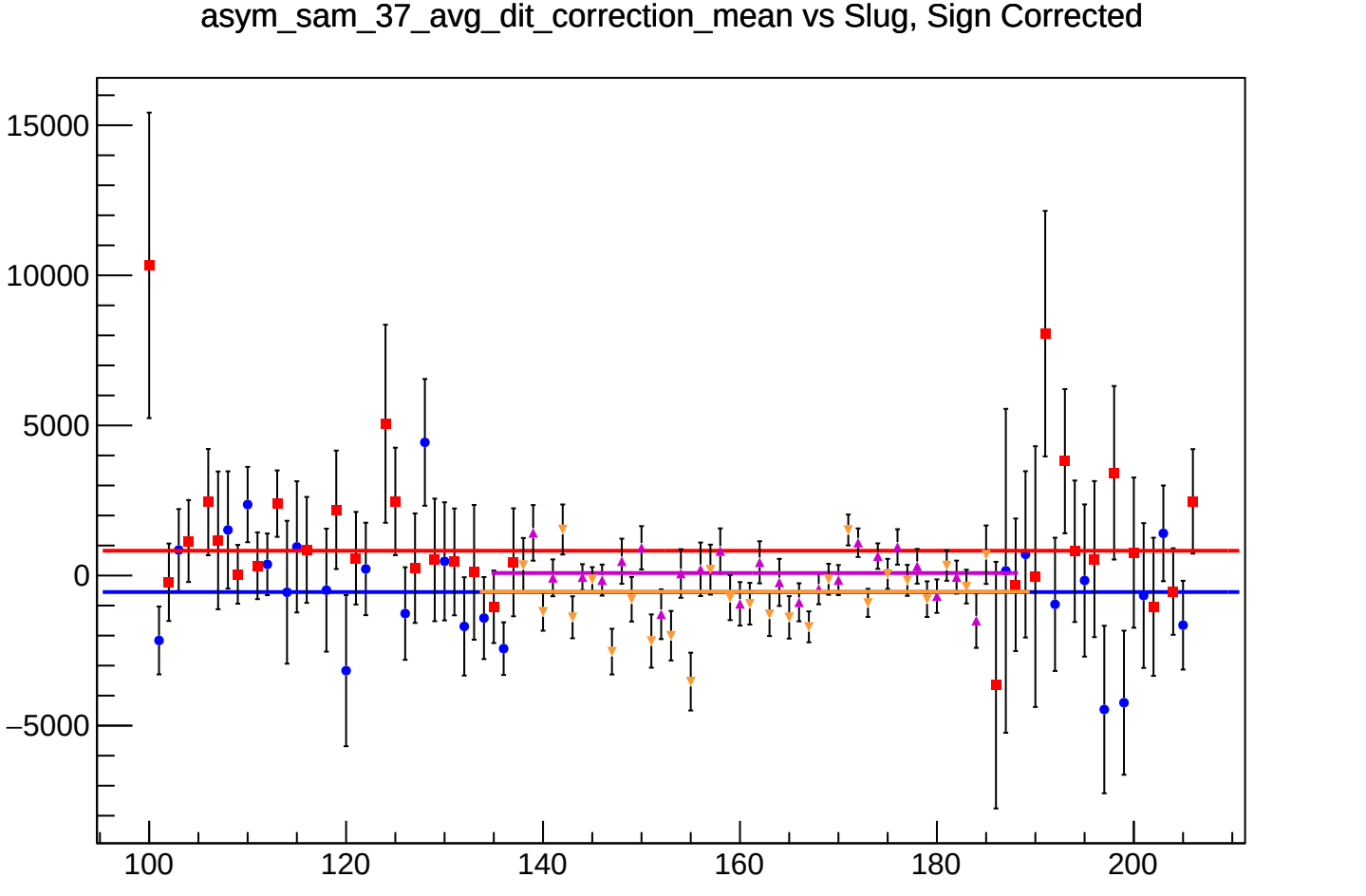
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

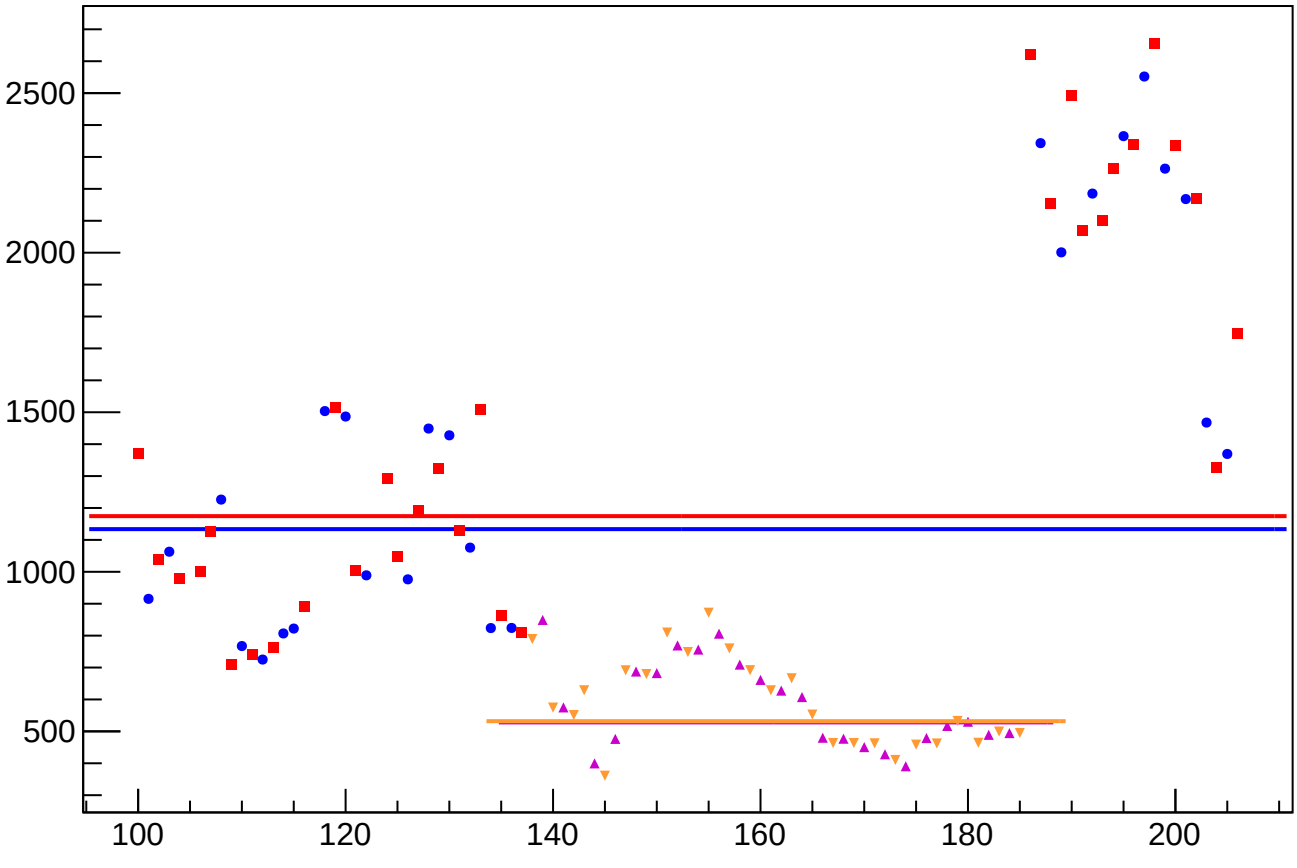
Right: 106.431+/-0.016 χ^2/NDF: 12419372.6/55

In: 82.575+/-0.011 χ^2/NDF:7742452.6/47

Out: 83.481+/-0.011 χ^2/NDF:10501226.4/55

All: 83.039+/-0.008 χ^2/NDF: 18247051.7/103


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -549.382+/-327.387 χ²/NDF: 30.5/24
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 826.615+/-316.734 χ²/NDF: 23.0/30
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 161.369+/-227.638 χ²/NDF: 62.6/55
In: 1.691+/-118.435 χ²/NDF:61.2/47
Out: -354.397+/-115.847 χ²/NDF:106.1/55
All: -180.287+/-82.816 χ²/NDF: 172.0/103



Right In: 1133.706+/-0.231 χ^2/NDF: 3921621.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1174.422+/-0.224 χ^2/NDF: 5159698.9/30

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

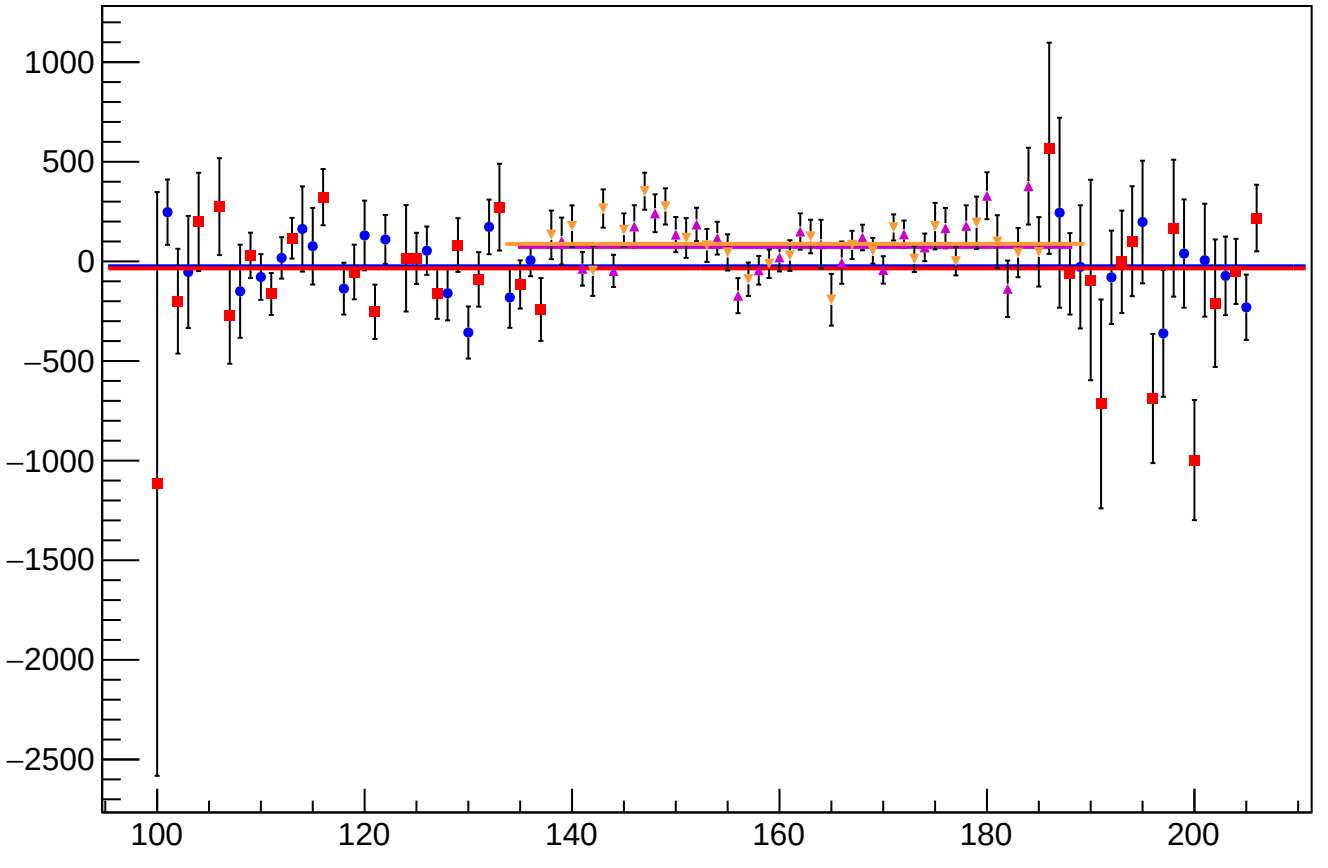
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1154.737+/-0.161 χ^2/NDF: 9097298.8/55

In: 607.256+/-0.084 χ^2/NDF:11672336.0/47

Out: 617.830+/-0.082 χ^2/NDF:14327381.0/55

All: 612.660+/-0.059 χ^2/NDF: 26007865.0/10



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.037+/-31.058 χ^2/NDF: 44.1/30

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

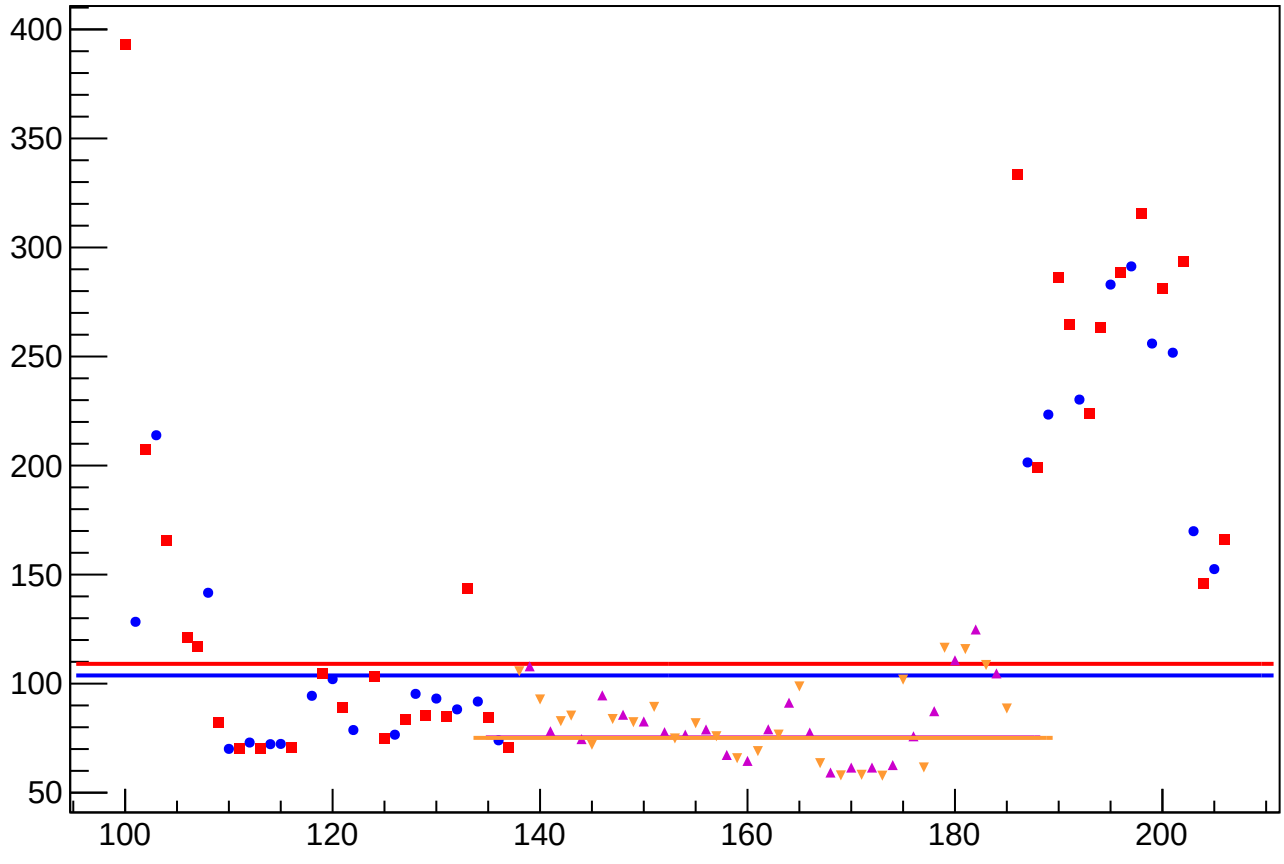
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -29.862+/-22.052 χ^2/NDF: 66.2/55

In: 48.090+/-15.784 χ^2/NDF:67.7/47

Out: 57.752+/-15.407 χ^2/NDF:92.9/55

All: 53.038+/-11.025 χ^2/NDF: 160.8/103



Right In: 103.750+/-0.022 χ^2/NDF: 5291249.1/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 109.070+/-0.022 χ^2/NDF: 7098960.3/30

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

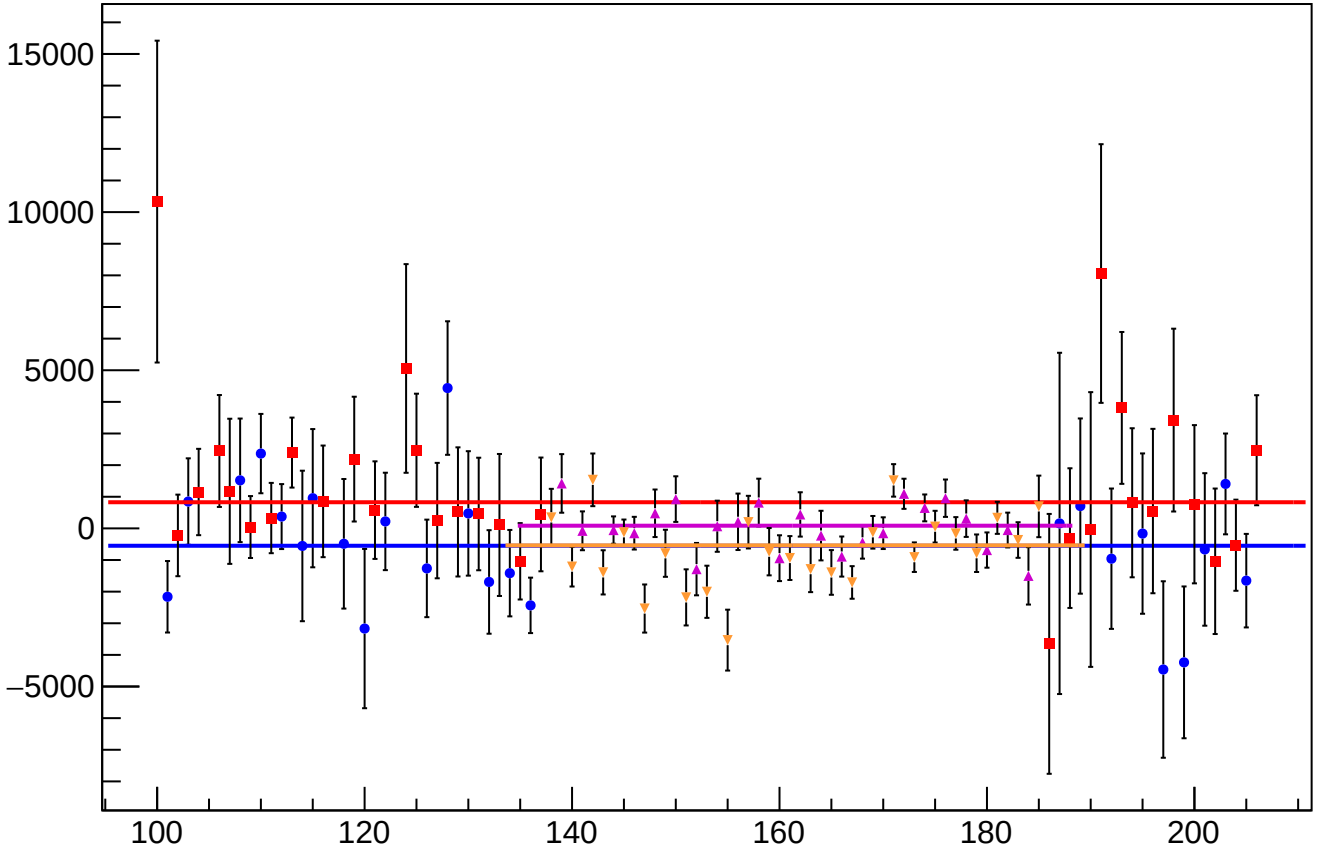
Right: 106.432+/-0.016 χ^2/NDF: 12419309.9/55

In: 82.575+/-0.011 χ^2/NDF:7742432.8/47

Out: 83.481+/-0.011 χ^2/NDF:10501212.6/55

All: 83.039+/-0.008 χ^2/NDF: 18247018.4/103

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -549.380+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 826.614+/-316.733 χ^2/NDF: 23.0/30

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

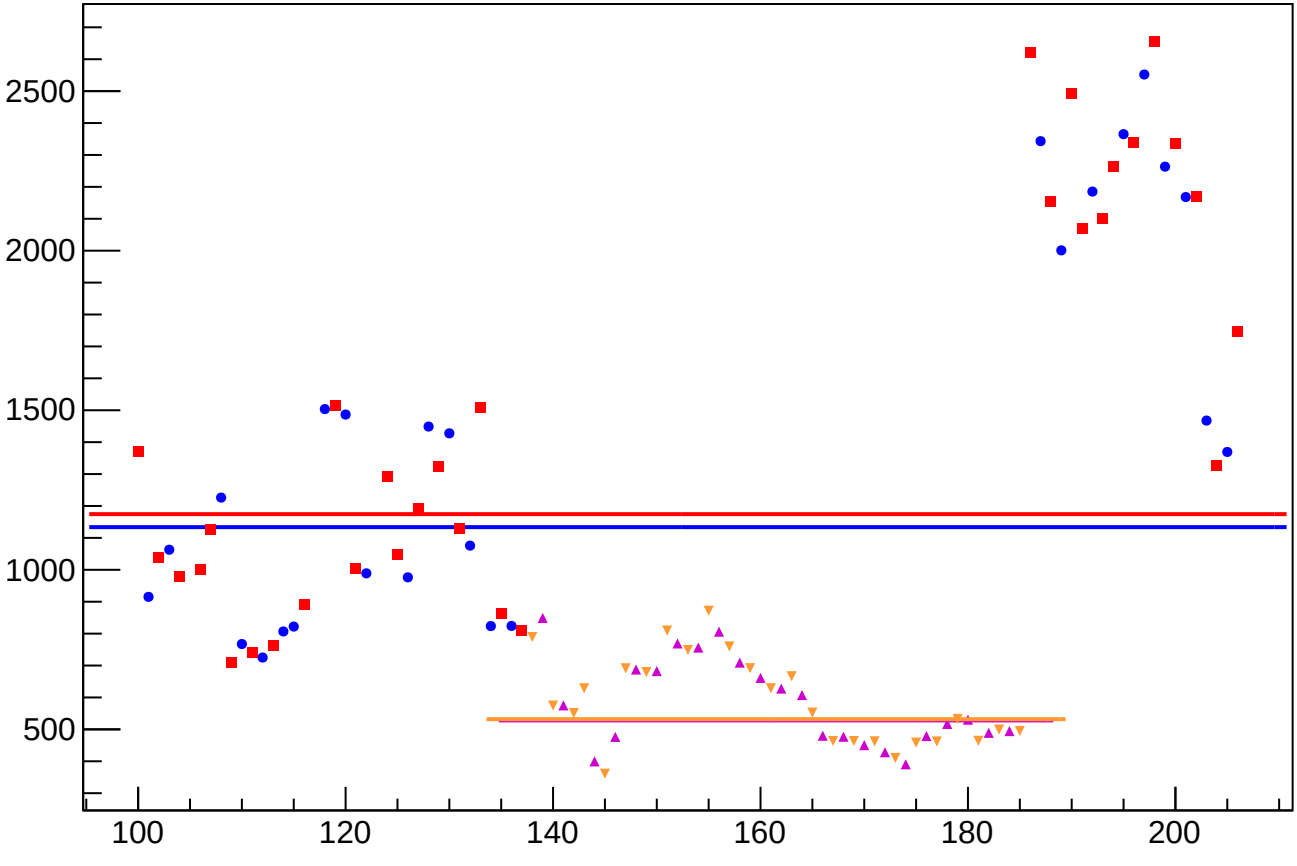
Right: 161.370+/-227.637 χ^2/NDF: 62.6/55

In: 1.690+/-118.435 χ^2/NDF:61.2/47

Out: -354.398+/-115.847 χ^2/NDF:106.1/55

All: -180.287+/-82.816 χ^2/NDF: 172.0/103

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1133.704+/-0.231 χ^2/NDF: 3921630.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1174.420+/-0.224 χ^2/NDF: 5159706.3/30

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

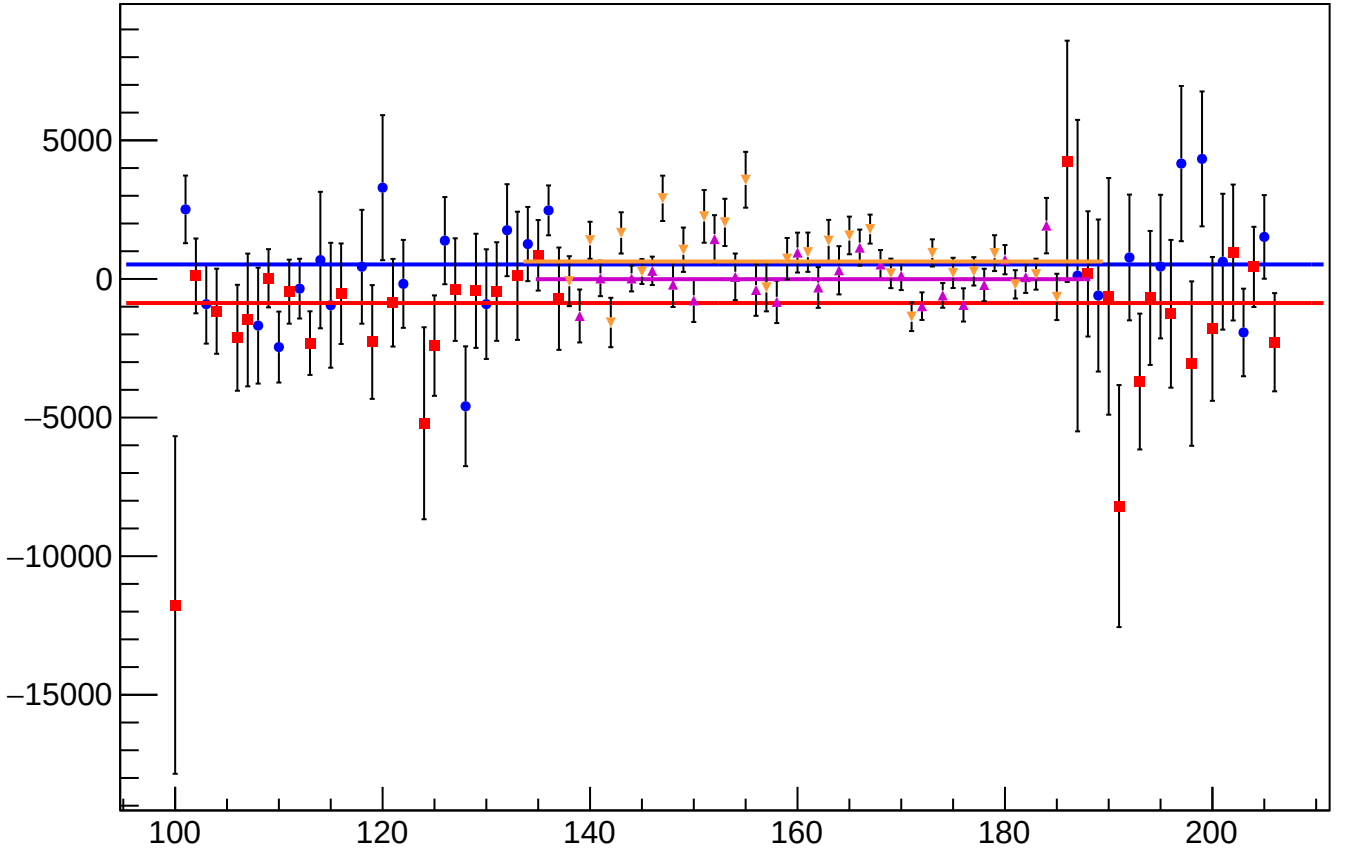
Right: 1154.735+/-0.161 χ^2/NDF: 9097315.2/55

In: 607.256+/-0.084 χ^2/NDF:11672321.7/47

Out: 617.830+/-0.082 χ^2/NDF:14327364.7/55

All: 612.660+/-0.059 χ^2/NDF: 26007834.3/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 523.335+/-336.096 χ^2/NDF: 31.8/24

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -868.730+/-329.686 χ^2/NDF: 20.1/30

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

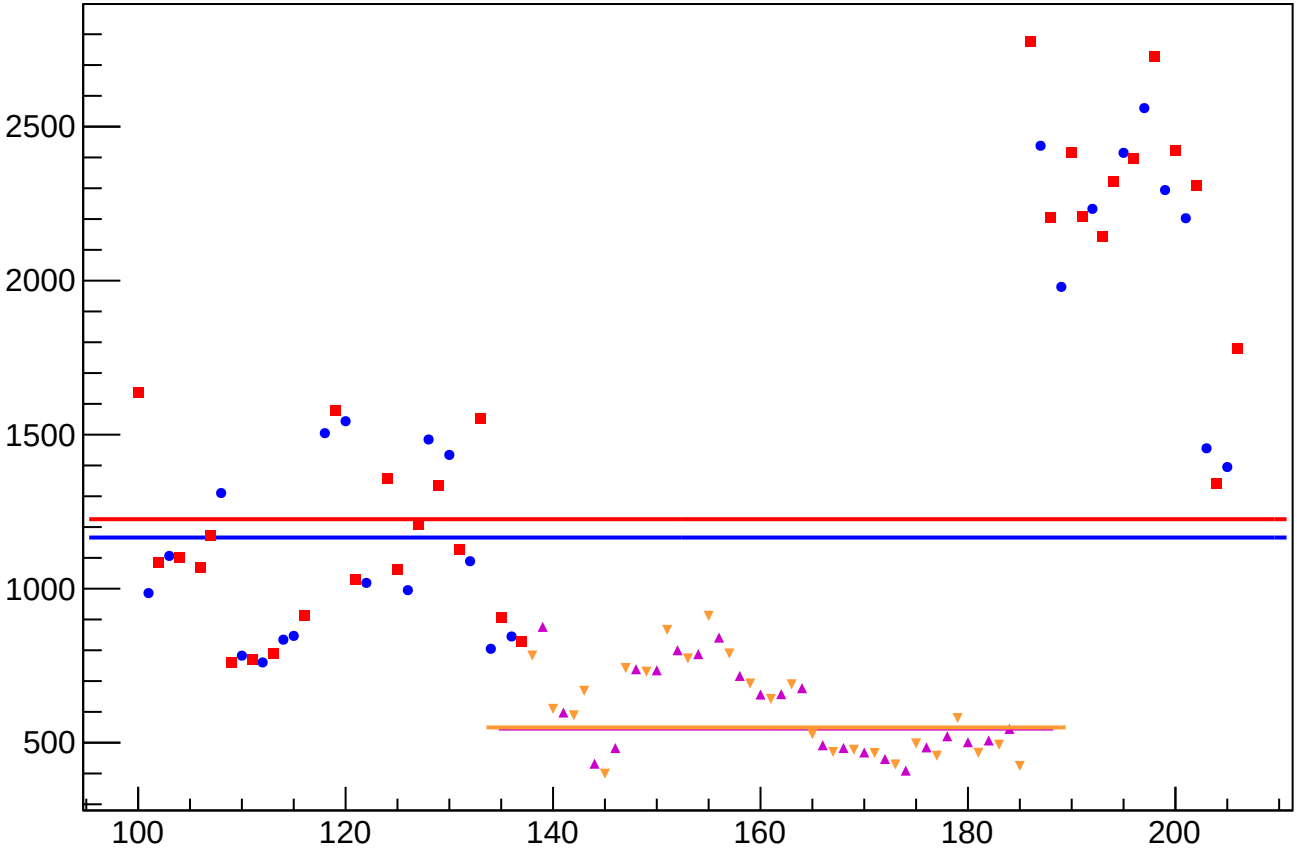
Right: -186.099+/-235.357 χ^2/NDF: 60.6/55

In: 61.944+/-122.290 χ^2/NDF:61.3/47

Out: 430.862+/-120.013 χ^2/NDF:102.9/55

All: 249.870+/-85.656 χ^2/NDF: 168.8/103

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1166.030+/-0.238 χ^2/NDF: 3802103.7/24

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1225.607+/-0.233 χ^2/NDF: 4988317.4/30

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

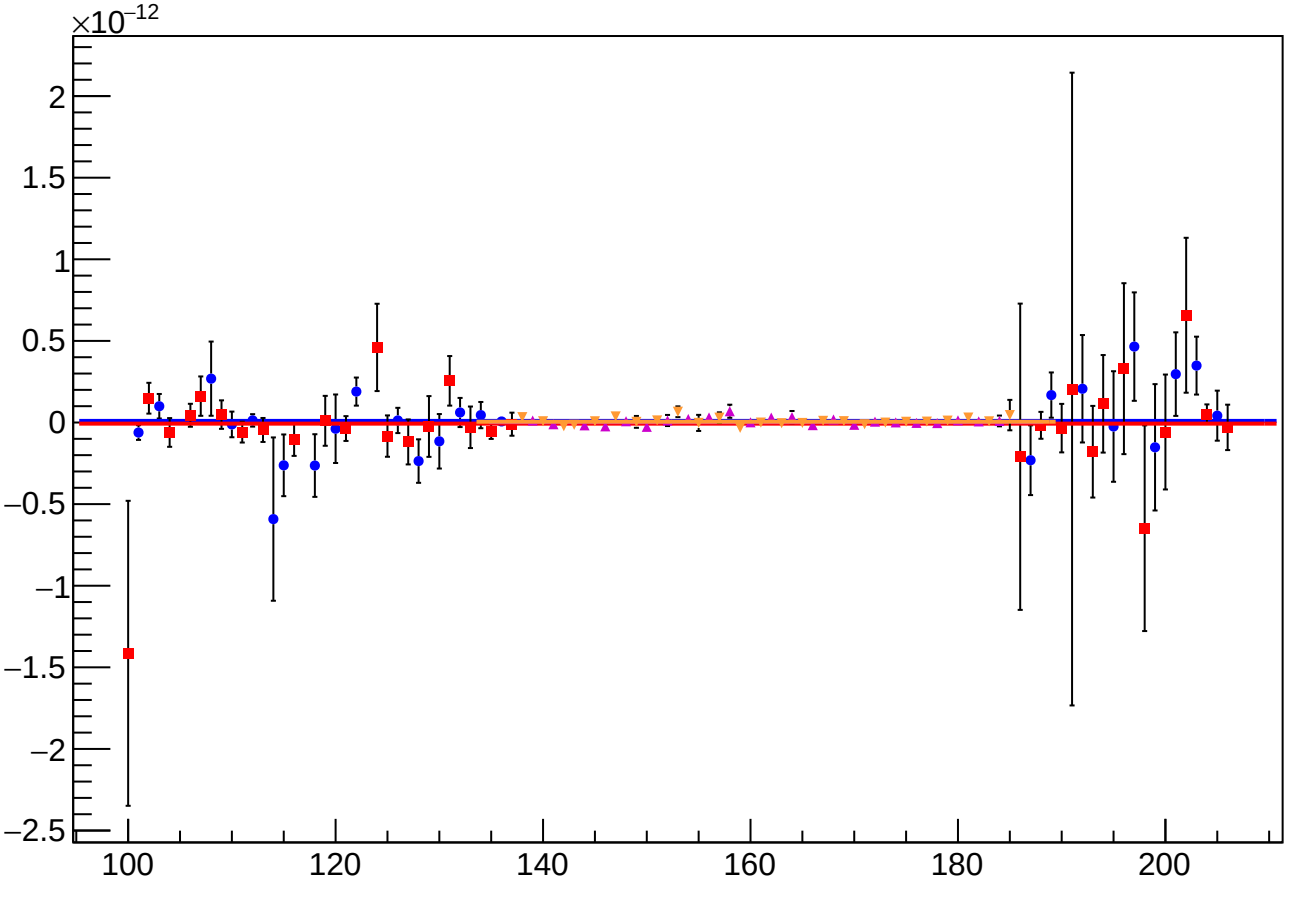
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1196.392+/-0.166 χ^2/NDF: 8822447.4/55

In: 627.833+/-0.086 χ^2/NDF:11527632.3/47

Out: 639.070+/-0.085 χ^2/NDF:14339417.9/55

All: 633.557+/-0.061 χ^2/NDF: 25875652.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

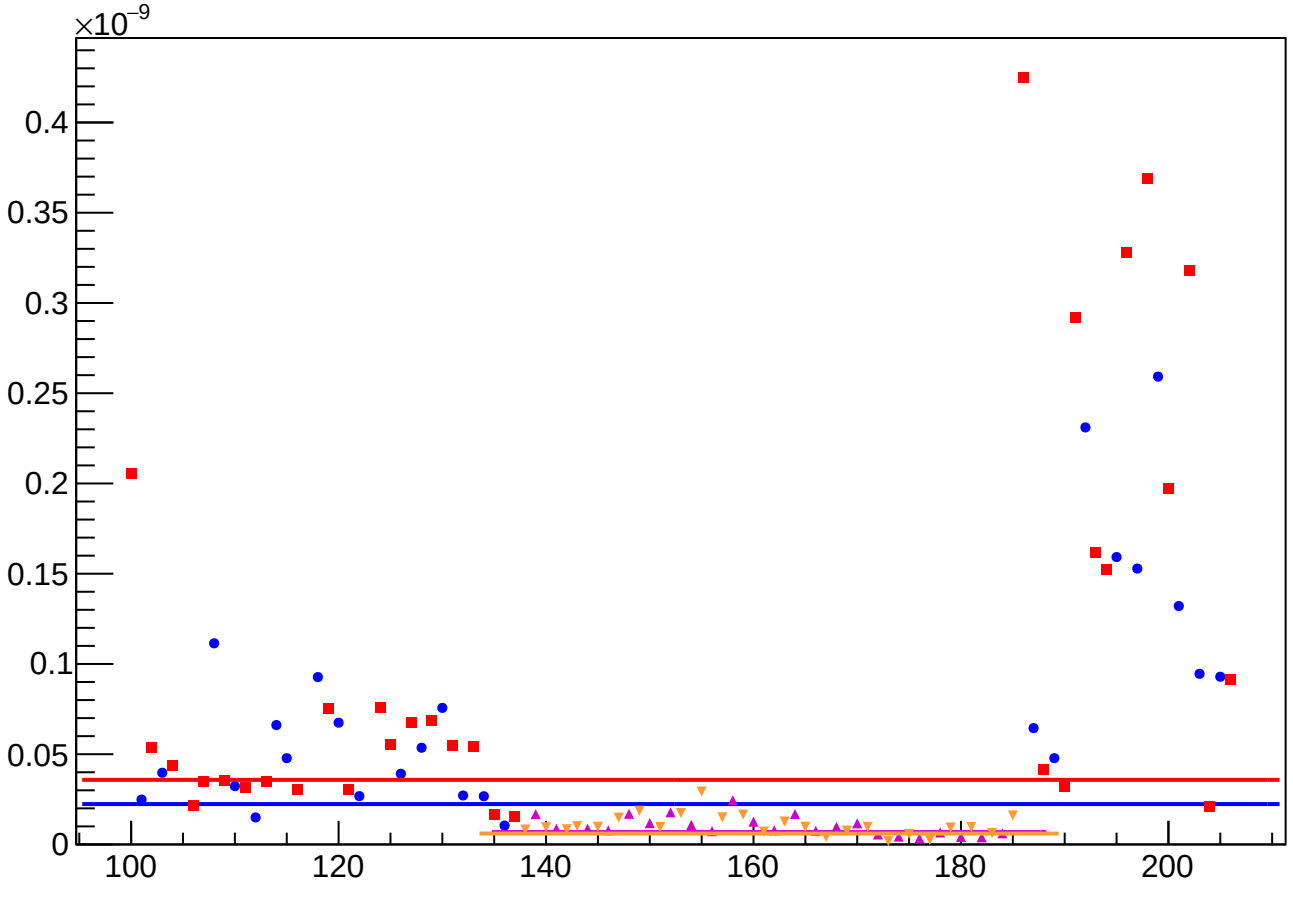
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.8/55

In: 0.000+/-0.000 χ^2/NDF:50.0/47

Out: 0.000+/-0.000 χ^2/NDF:39.6/55

All: 0.000+/-0.000 χ^2/NDF: 89.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 5527354.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5074475.5/30

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

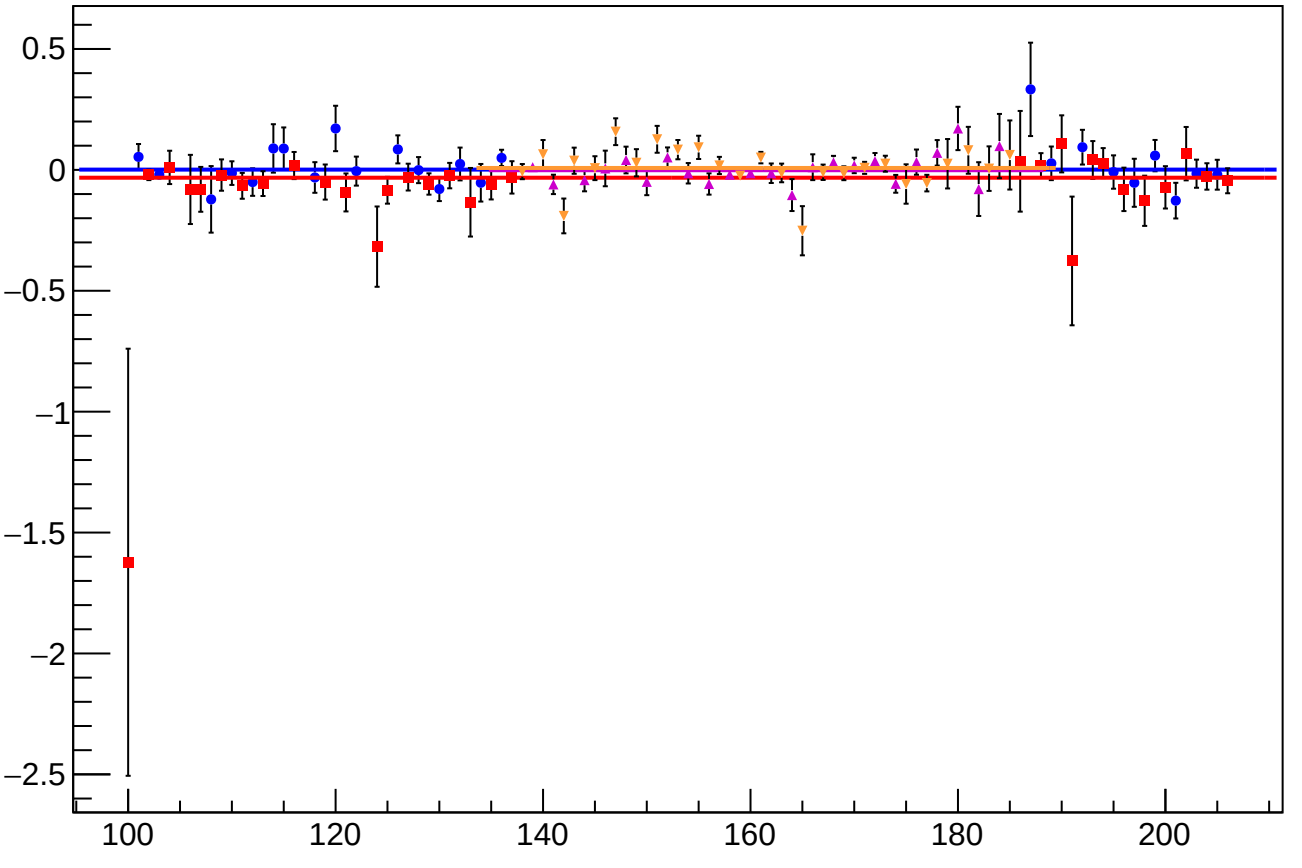
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11262974.1/55

In: 0.000+/-0.000 χ^2/NDF:10218001.3/47

Out: 0.000+/-0.000 χ^2/NDF:13691541.4/55

All: 0.000+/-0.000 χ^2/NDF: 23984791.7/103



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

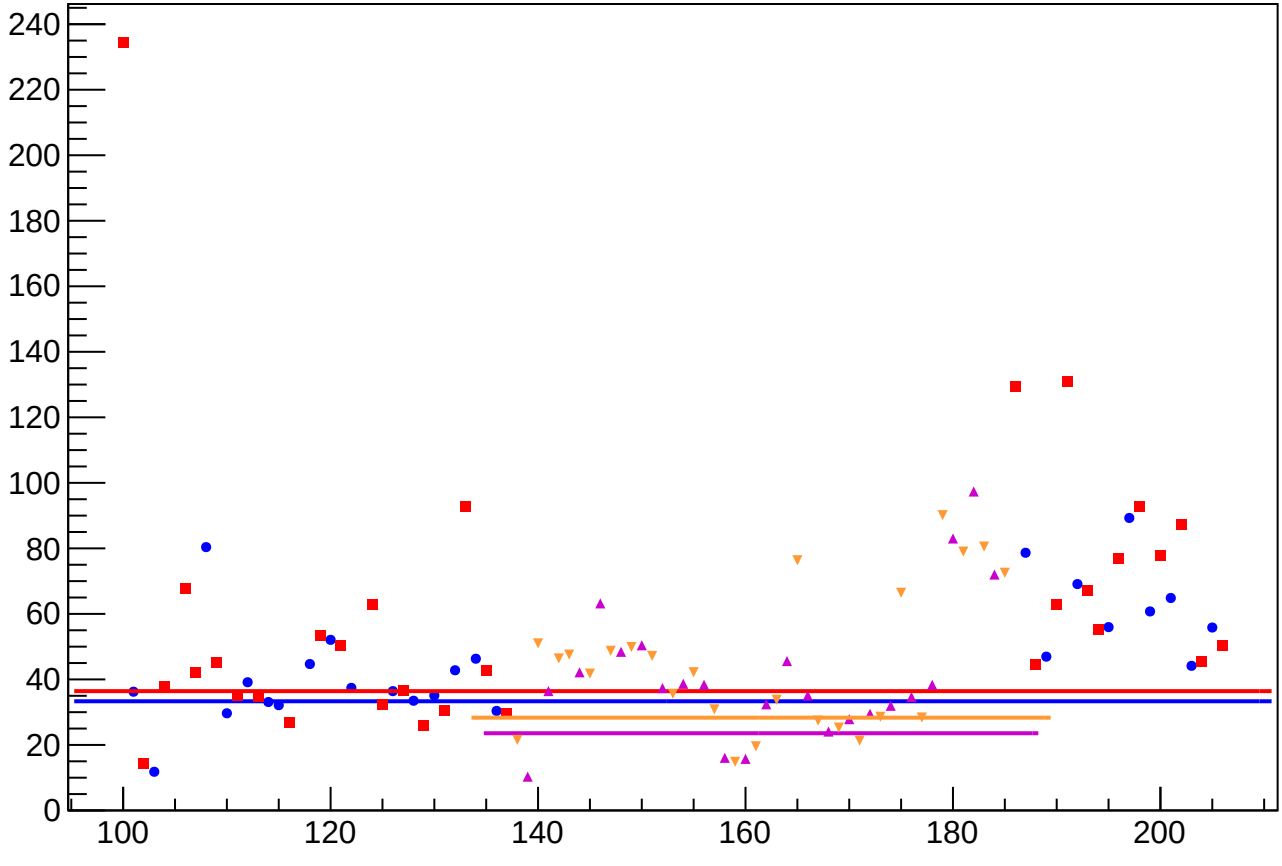
Right: -0.015+/-0.008 χ^2/NDF: 50.0/55

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.4/103

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

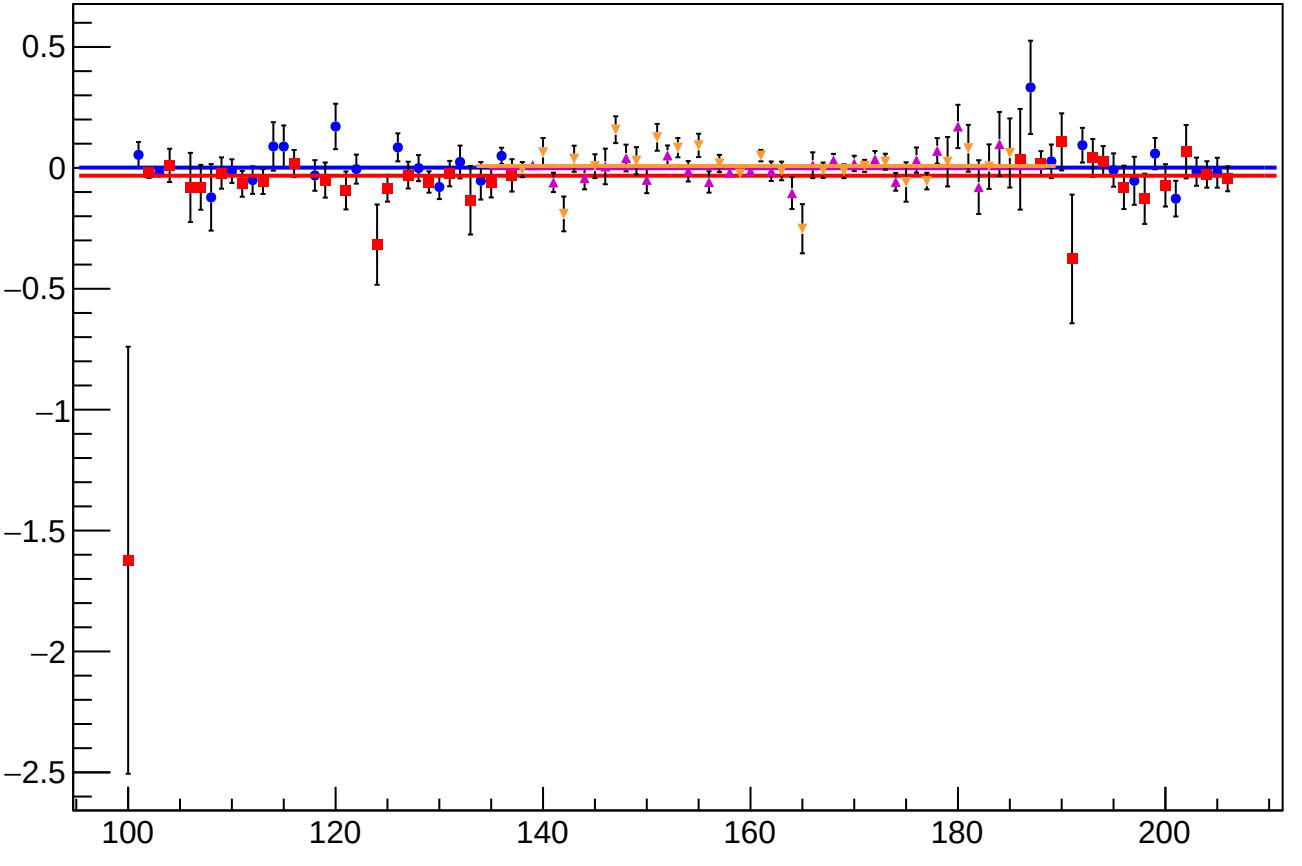
Right: 34.849+/-0.005 χ^2/NDF: 12131478.6/55

In: 26.358+/-0.004 χ^2/NDF:14975374.1/47

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.469+/-0.003 χ^2/NDF: 29600145.2/103

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

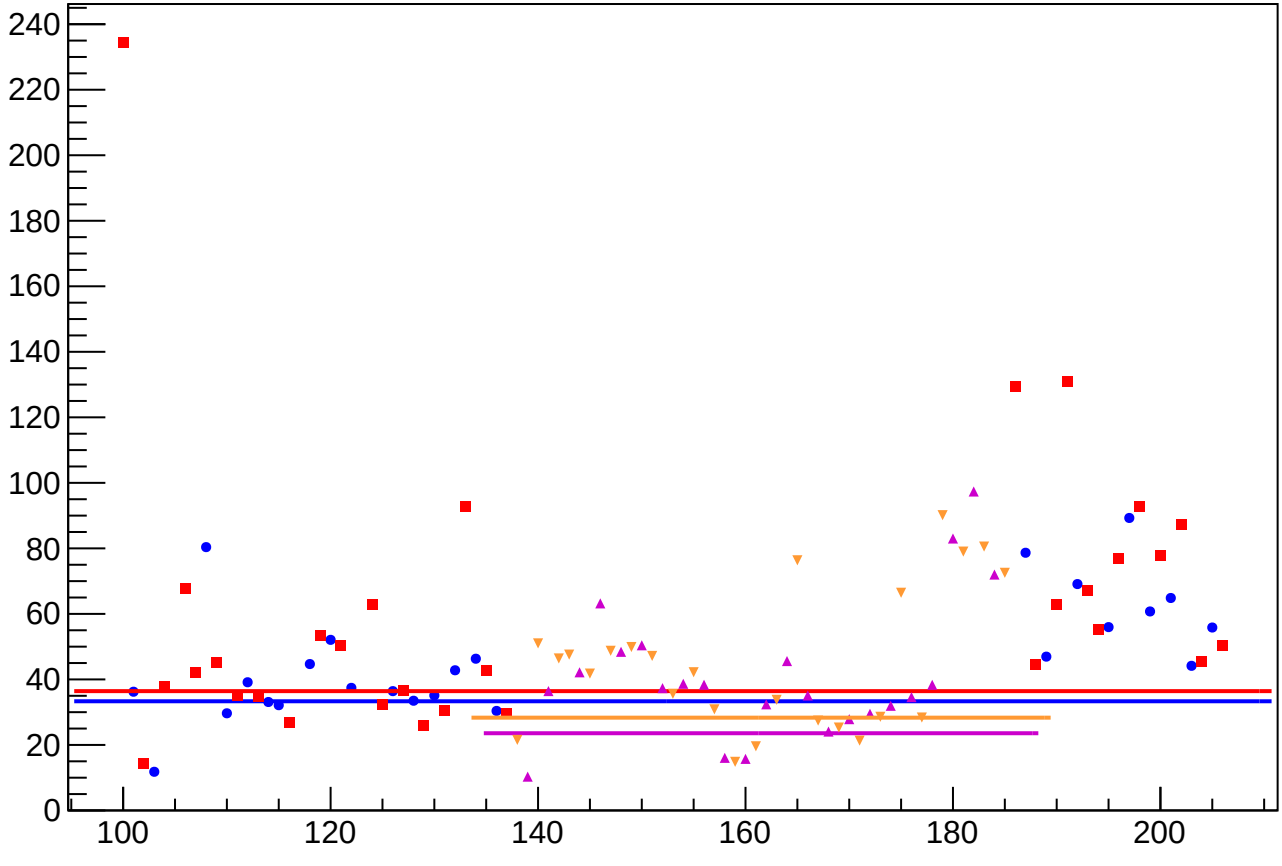
Right: -0.015+/-0.008 χ^2/NDF: 50.0/55

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.4/103

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

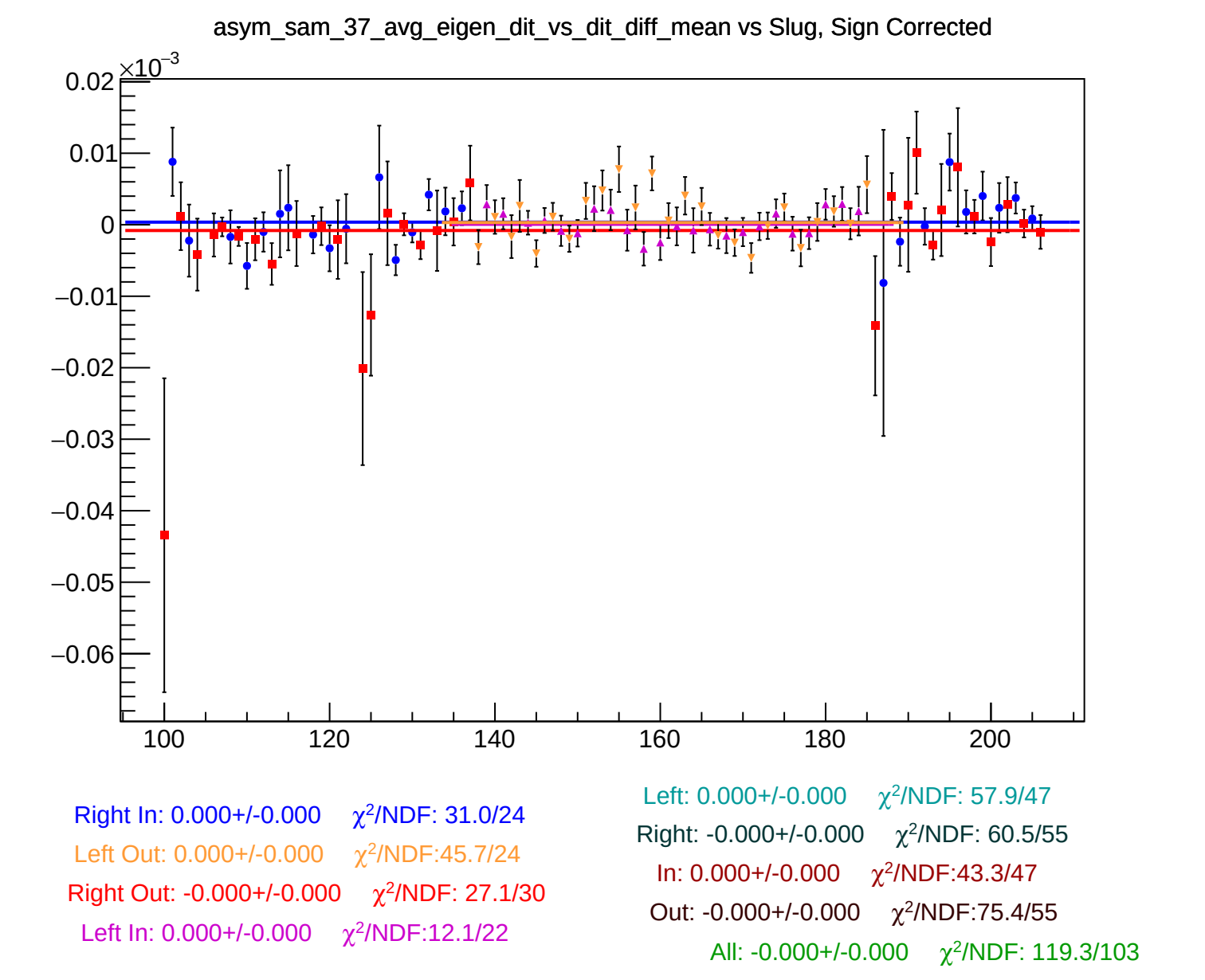
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

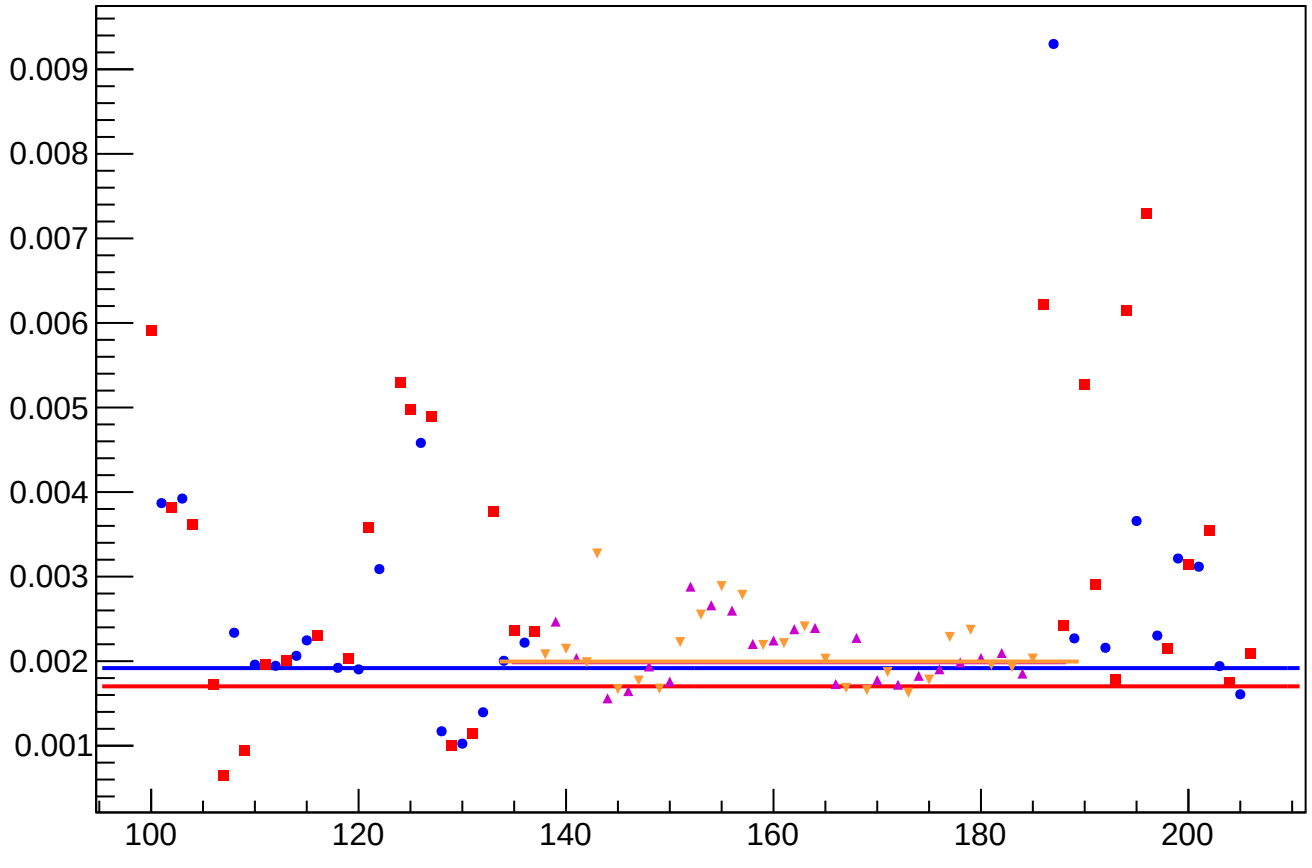
Right: 34.849+/-0.005 χ^2/NDF: 12131478.6/55

In: 26.358+/-0.004 χ^2/NDF:14975374.1/47

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.469+/-0.003 χ^2/NDF: 29600145.2/103


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 31.0/24
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/30
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 60.5/55
In: 0.000+/-0.000 χ²/NDF:43.3/47
Out: -0.000+/-0.000 χ²/NDF:75.4/55
All: -0.000+/-0.000 χ²/NDF: 119.3/103



Right In: 0.002+/-0.000 χ^2/NDF: 3554381.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8548563.6/30

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

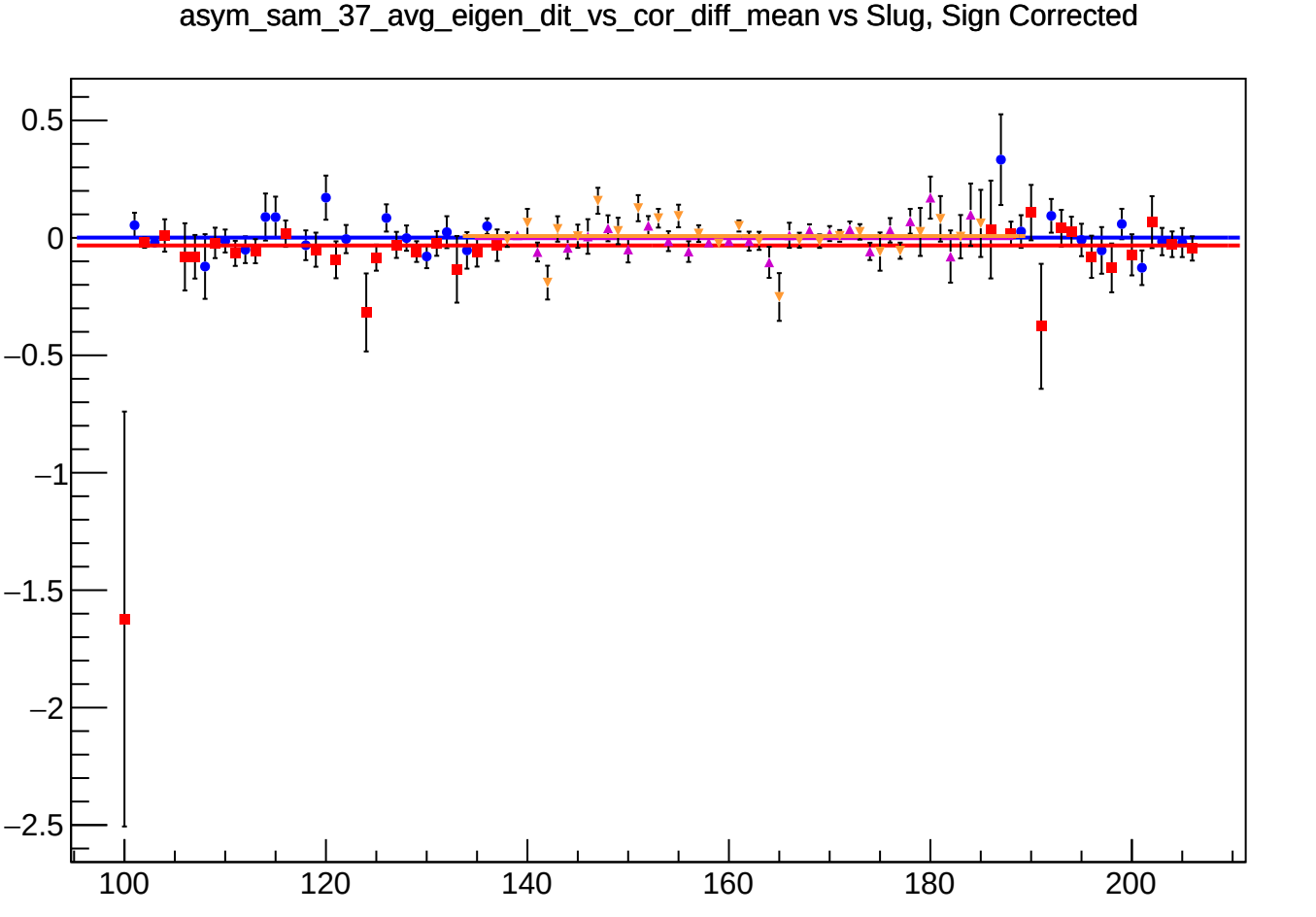
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12262739.4/55

In: 0.002+/-0.000 χ^2/NDF:4495832.3/47

Out: 0.002+/-0.000 χ^2/NDF:10087778.9/55

All: 0.002+/-0.000 χ^2/NDF: 14657824.7/103



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

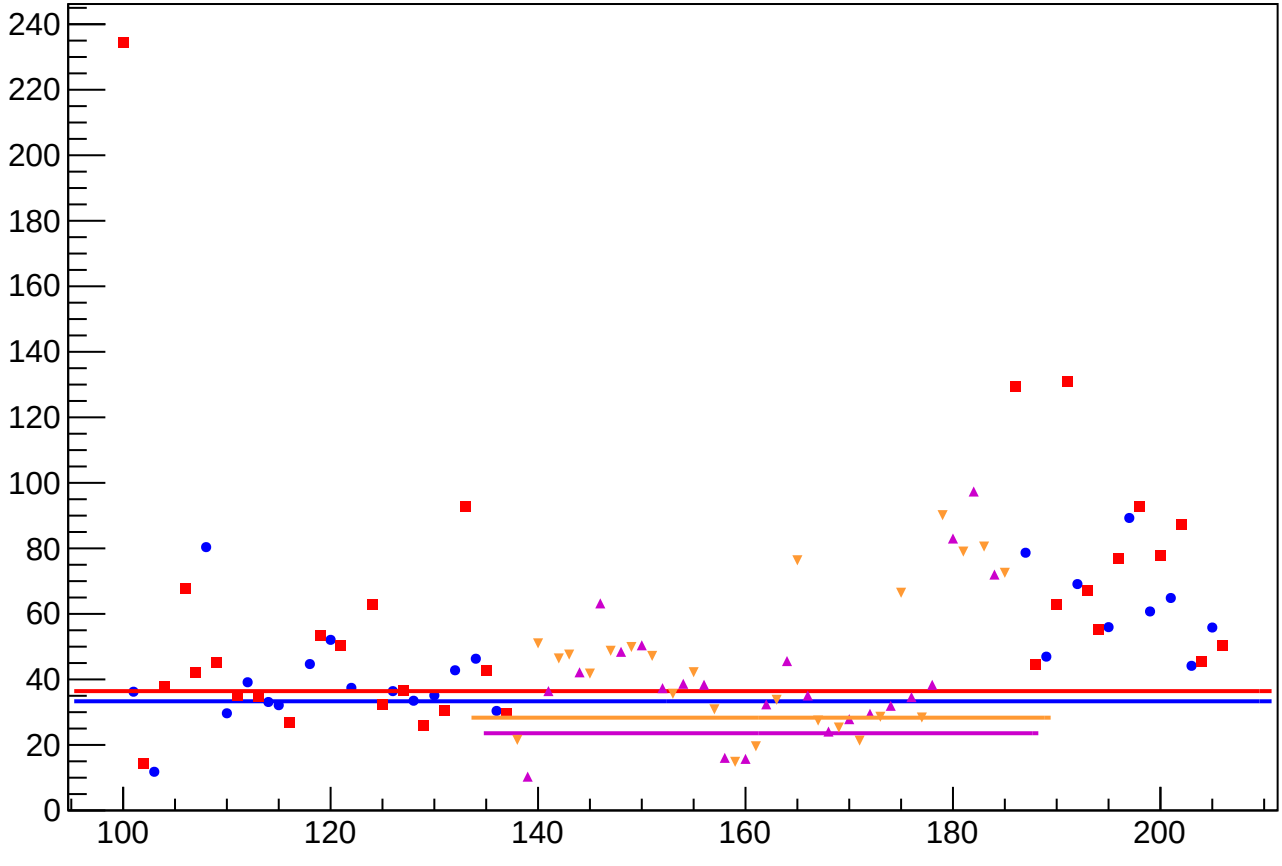
Right: -0.015+/-0.008 χ^2/NDF: 50.0/55

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.4/103

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

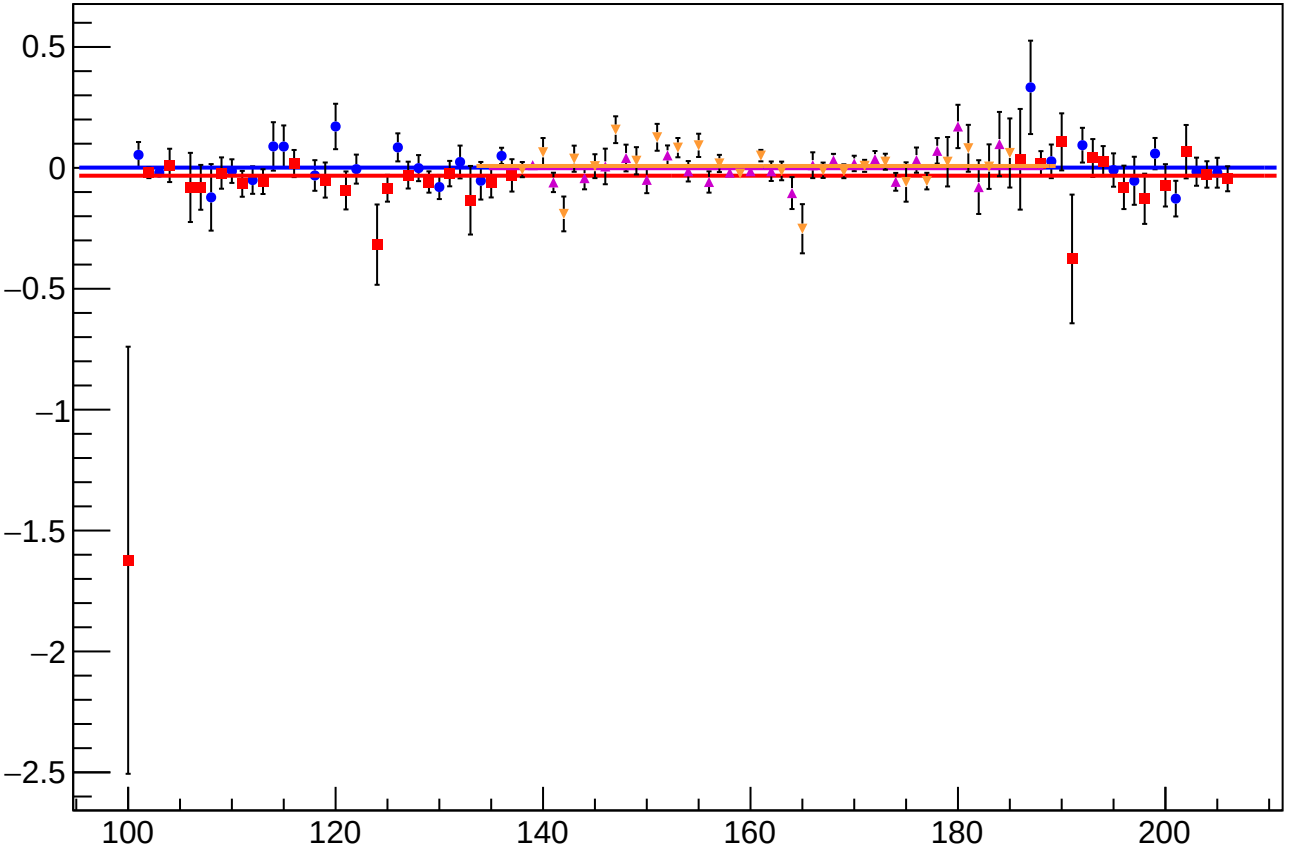
Right: 34.850+/-0.005 χ^2/NDF: 12130873.5/55

In: 26.356+/-0.004 χ^2/NDF:14976933.3/47

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.468+/-0.003 χ^2/NDF: 29601929.1/103

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

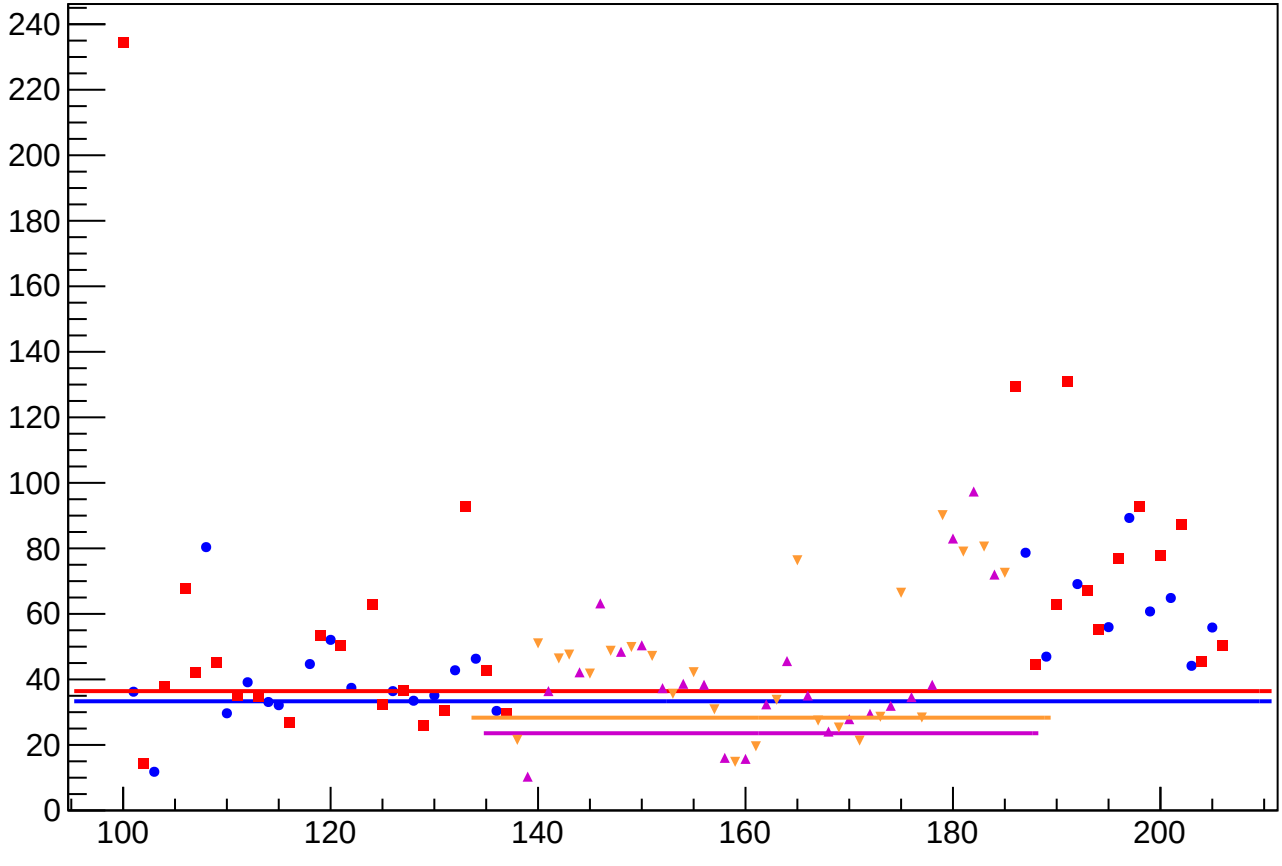
Right: -0.015+/-0.008 χ^2/NDF: 50.0/55

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.4/103

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

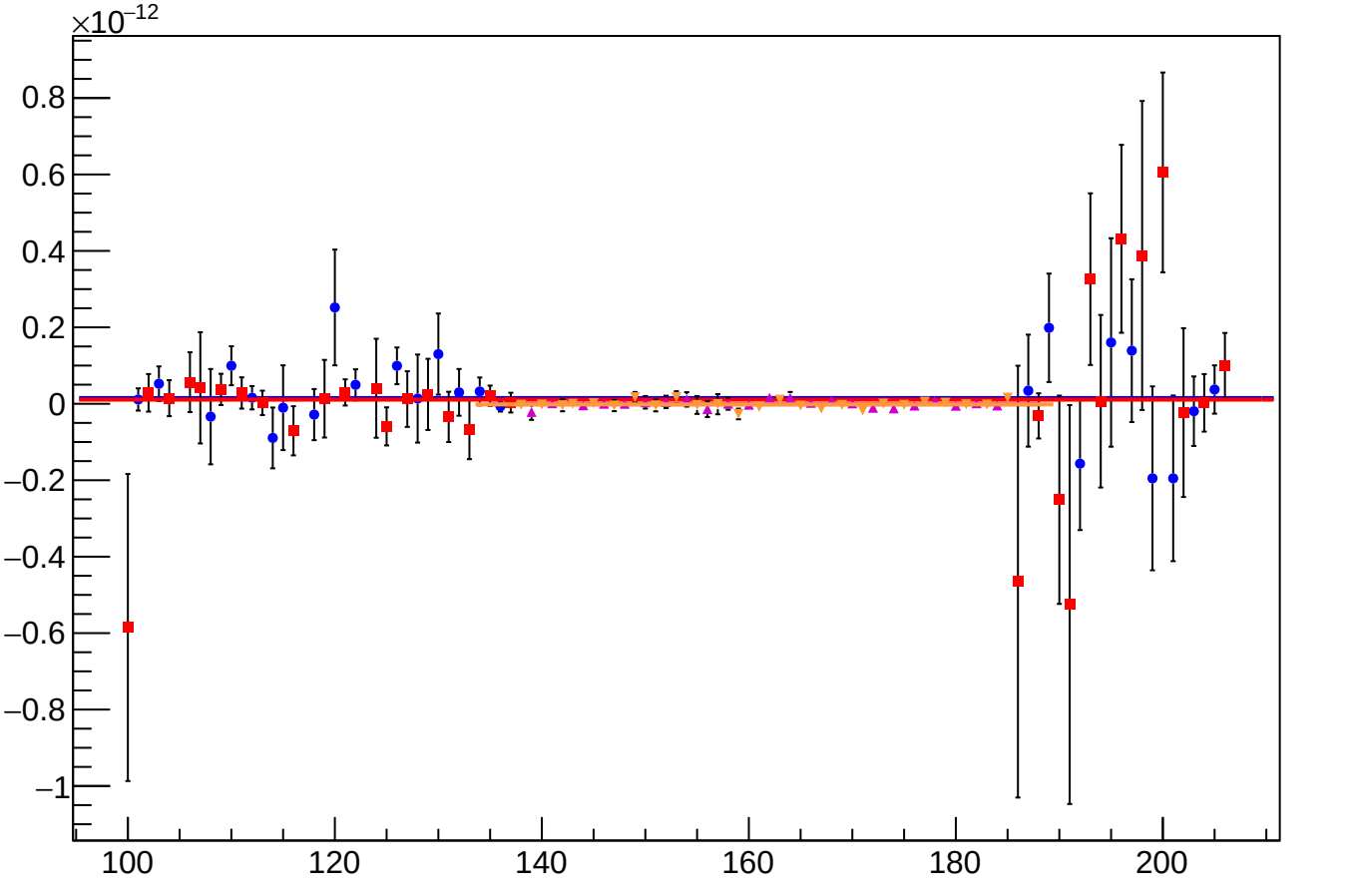
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 34.850+/-0.005 χ^2/NDF: 12130873.5/55

In: 26.356+/-0.004 χ^2/NDF:14976933.3/47

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.468+/-0.003 χ^2/NDF: 29601929.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/30

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

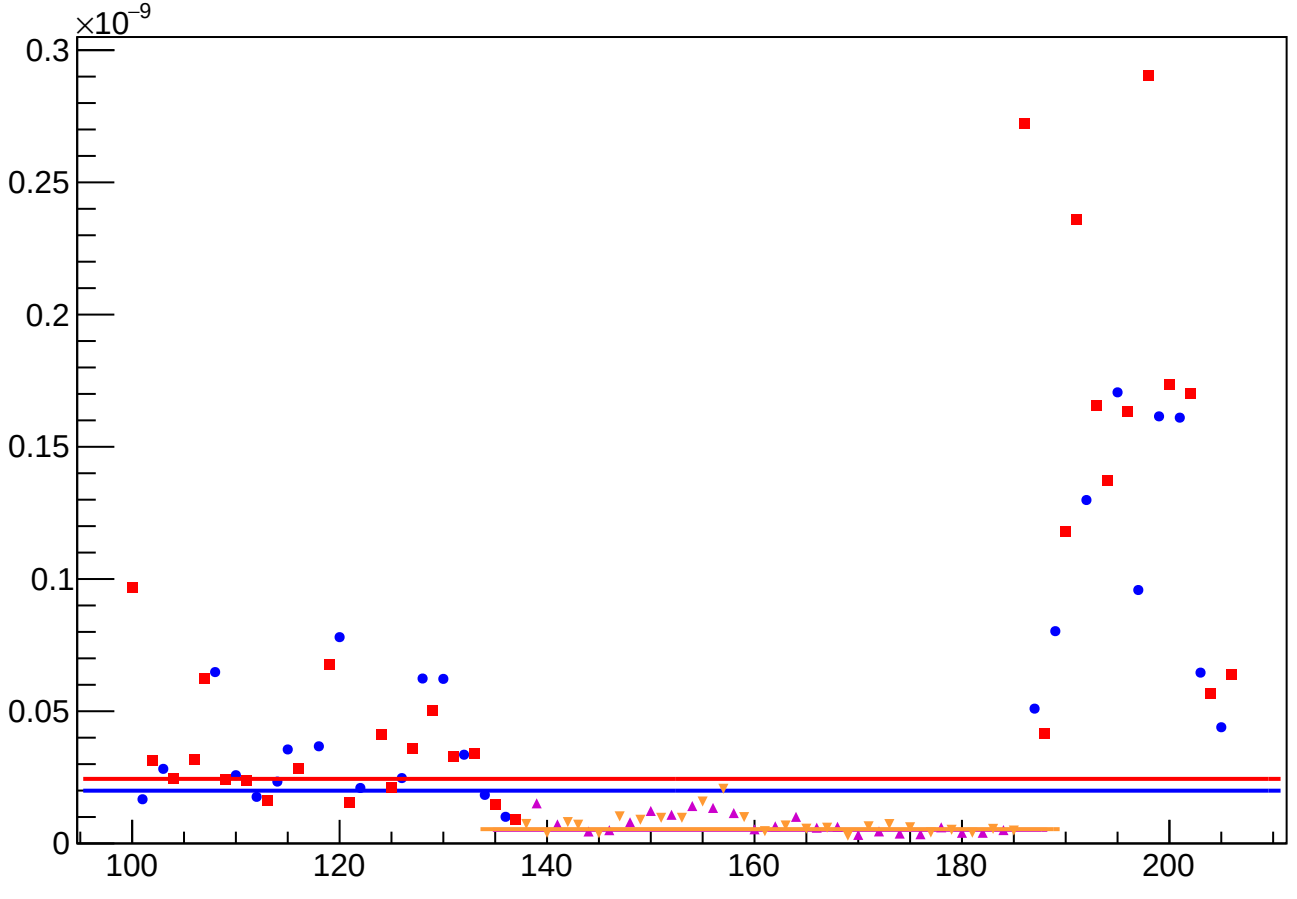
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/55

In: -0.000+/-0.000 χ^2/NDF:40.3/47

Out: -0.000+/-0.000 χ^2/NDF:43.2/55

All: -0.000+/-0.000 χ^2/NDF: 83.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 7097469.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8410515.5/30

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

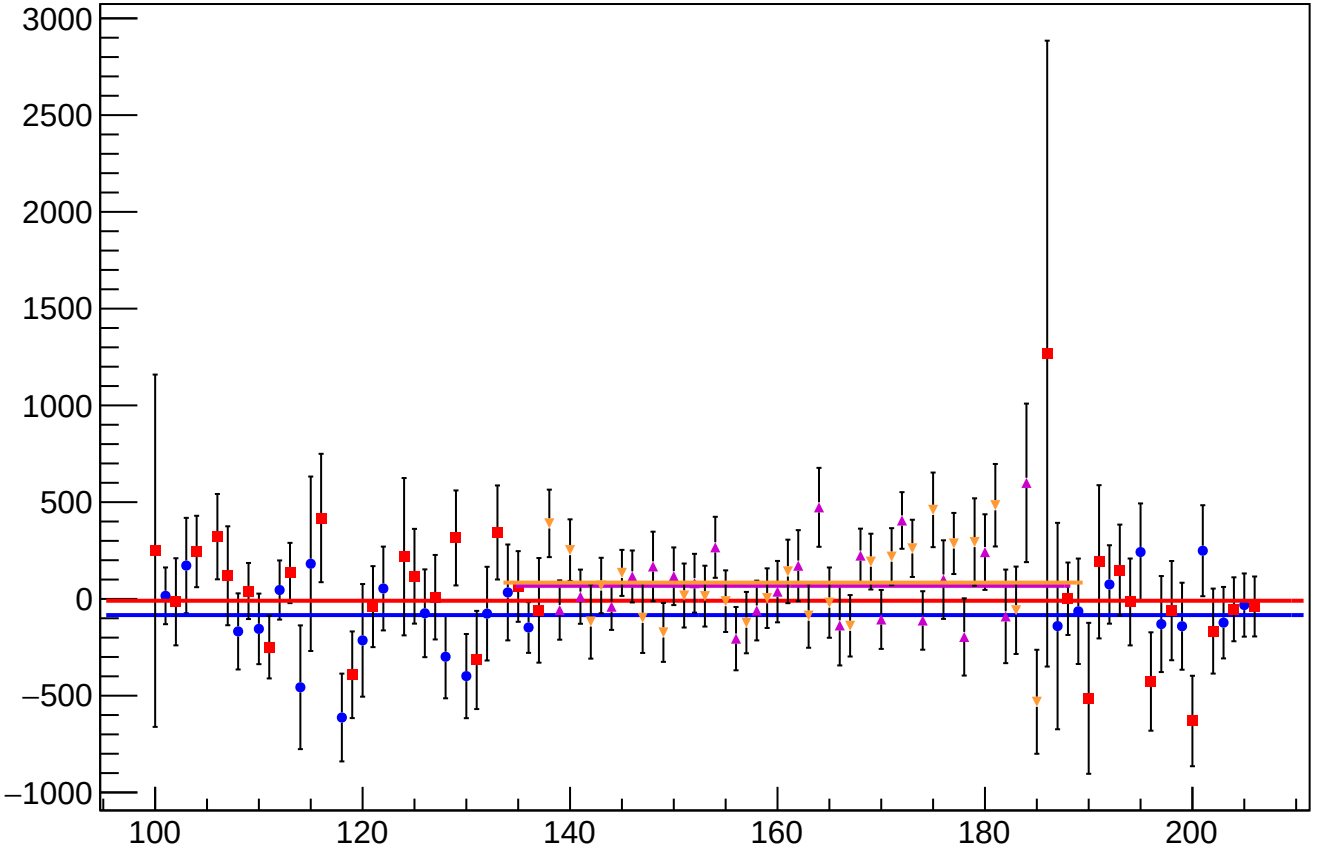
Right: 0.000+/-0.000 χ^2/NDF: 15714028.8/55

In: 0.000+/-0.000 χ^2/NDF:15467539.1/47

Out: 0.000+/-0.000 χ^2/NDF:17972450.7/55

All: 0.000+/-0.000 χ^2/NDF: 33464149.2/103

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -83.573+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -9.409+/-39.862 χ^2/NDF: 31.8/30

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

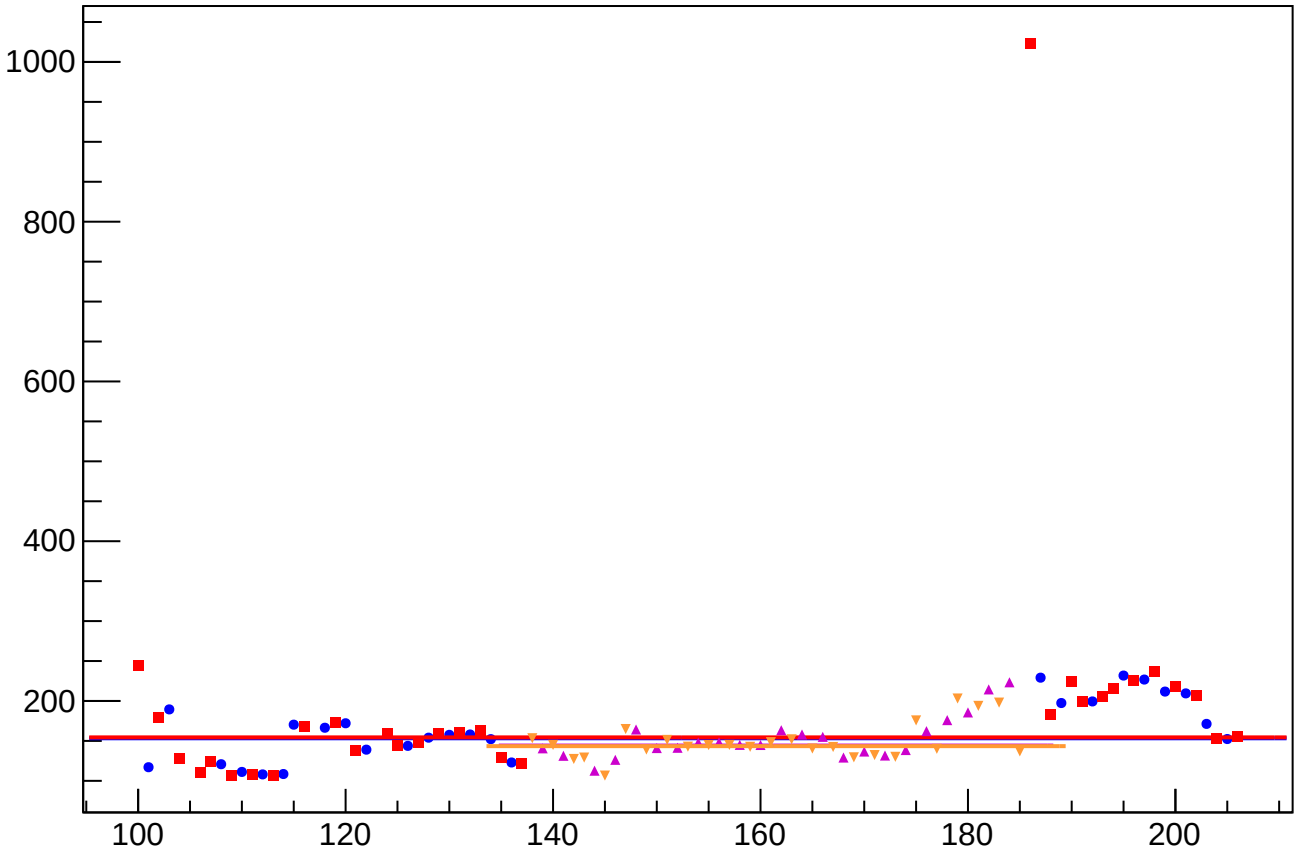
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -44.365+/-28.983 χ^2/NDF: 51.9/55

In: 7.862+/-26.545 χ^2/NDF:52.8/47

Out: 46.159+/-25.436 χ^2/NDF:68.9/55

All: 27.827+/-18.365 χ^2/NDF: 122.7/103



Right In: 153.291+/-0.030 χ^2/NDF: 1515884.3/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.407+/-0.028 χ^2/NDF: 2442186.5/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

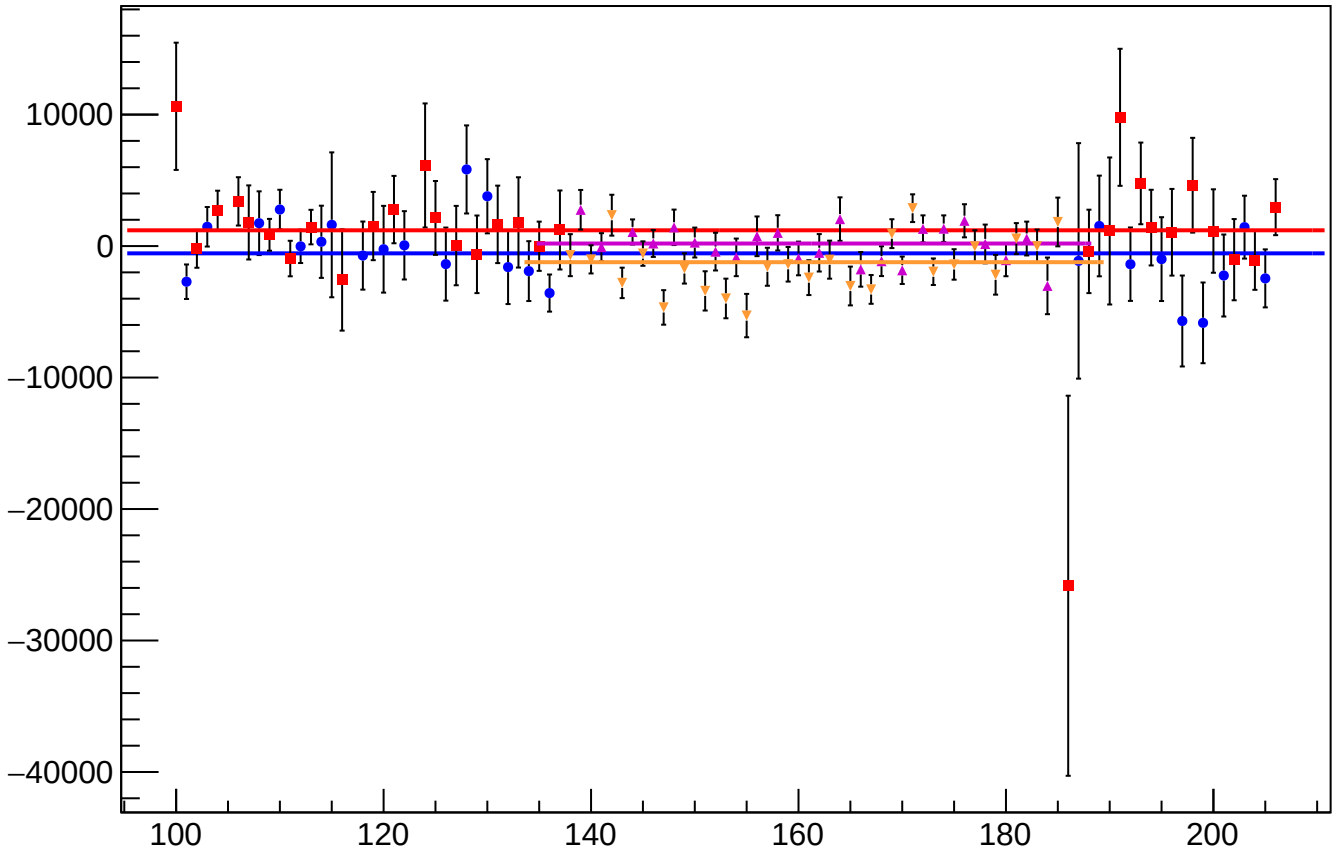
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.881+/-0.020 χ^2/NDF: 3958808.4/55

In: 147.776+/-0.019 χ^2/NDF:2275045.4/47

Out: 147.907+/-0.018 χ^2/NDF:3278908.4/55

All: 147.845+/-0.013 χ^2/NDF: 5553979.2/103



Right In: -553.487+/-449.119 χ^2/NDF: 29.3/24

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1199.042+/-417.088 χ^2/NDF: 24.4/30

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

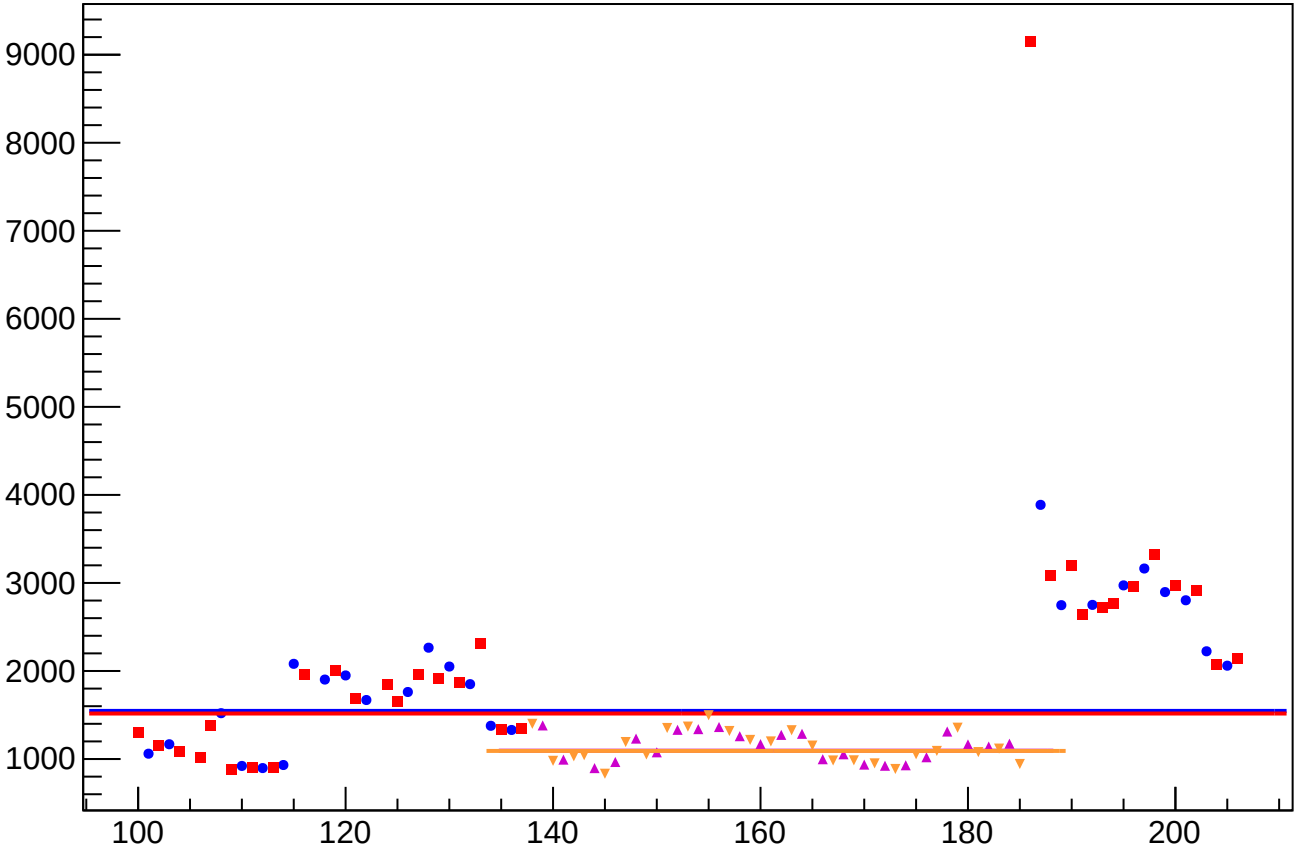
Right: 387.494+/-305.623 χ^2/NDF: 61.9/55

In: 7.390+/-224.314 χ^2/NDF:54.7/47

Out: -577.669+/-215.543 χ^2/NDF:108.4/55

All: -296.802+/-155.420 χ^2/NDF: 166.6/103

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1546.521+/-0.318 χ^2/NDF: 4235094.9/24

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1516.757+/-0.295 χ^2/NDF: 6219038.6/30

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

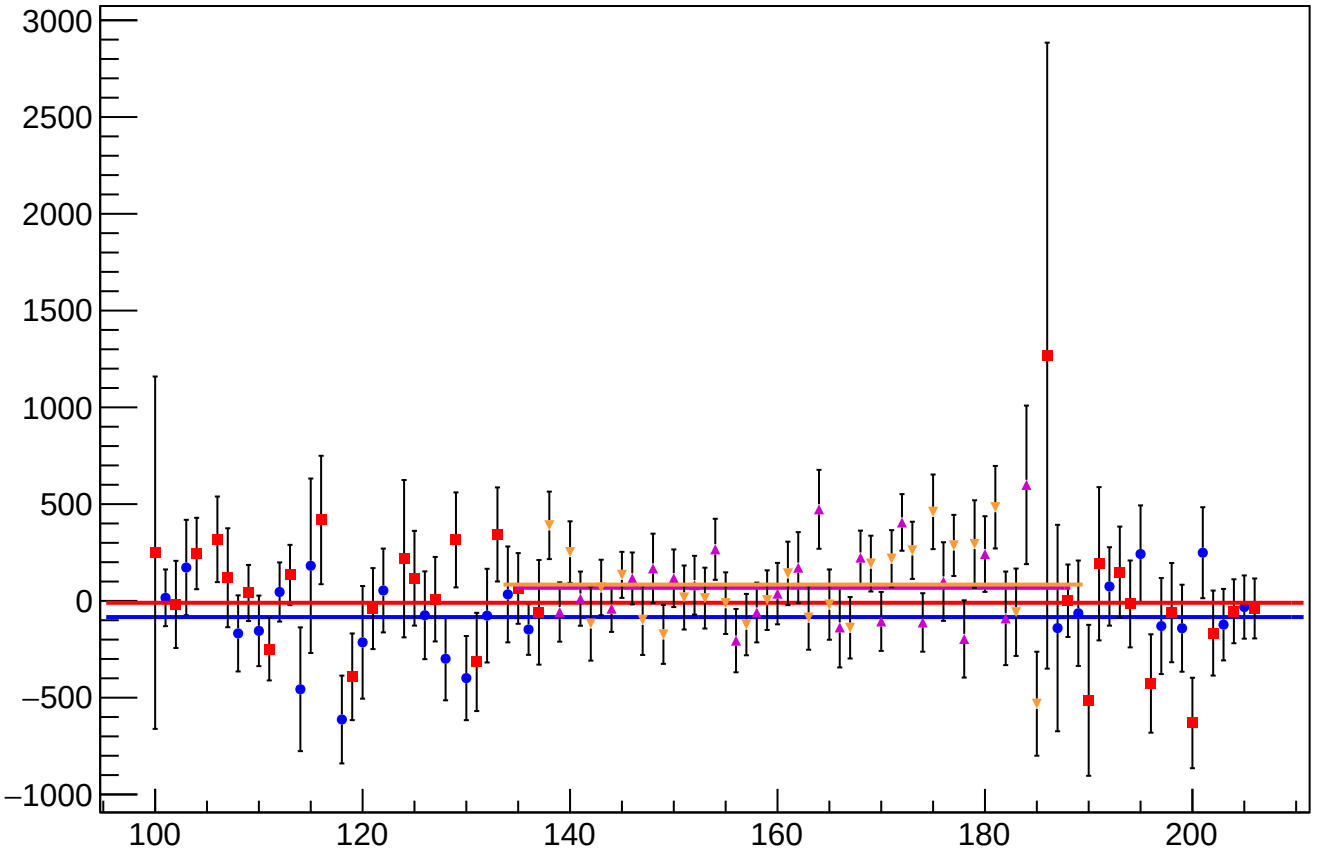
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1530.540+/-0.216 χ^2/NDF: 10458849.8/55

In: 1207.242+/-0.159 χ^2/NDF:6488769.7/47

Out: 1205.421+/-0.152 χ^2/NDF:8631910.0/55

All: 1206.295+/-0.110 χ^2/NDF: 15120748.2/1



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -9.694+/-39.867 χ^2/NDF: 31.7/30

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

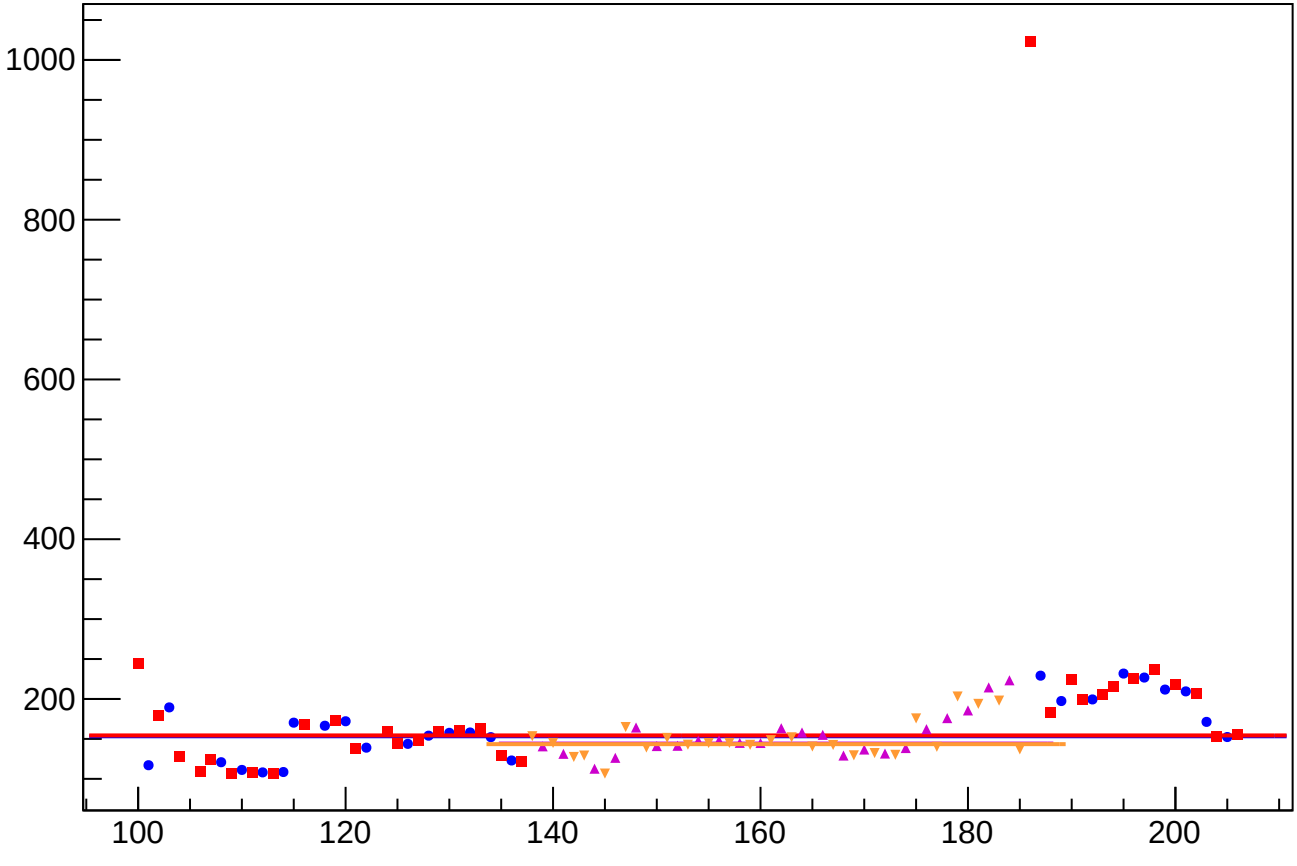
Right: -44.524+/-28.985 χ^2/NDF: 51.8/55

In: 7.859+/-26.545 χ^2/NDF:52.8/47

Out: 46.056+/-25.437 χ^2/NDF:68.8/55

All: 27.771+/-18.366 χ^2/NDF: 122.7/103

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

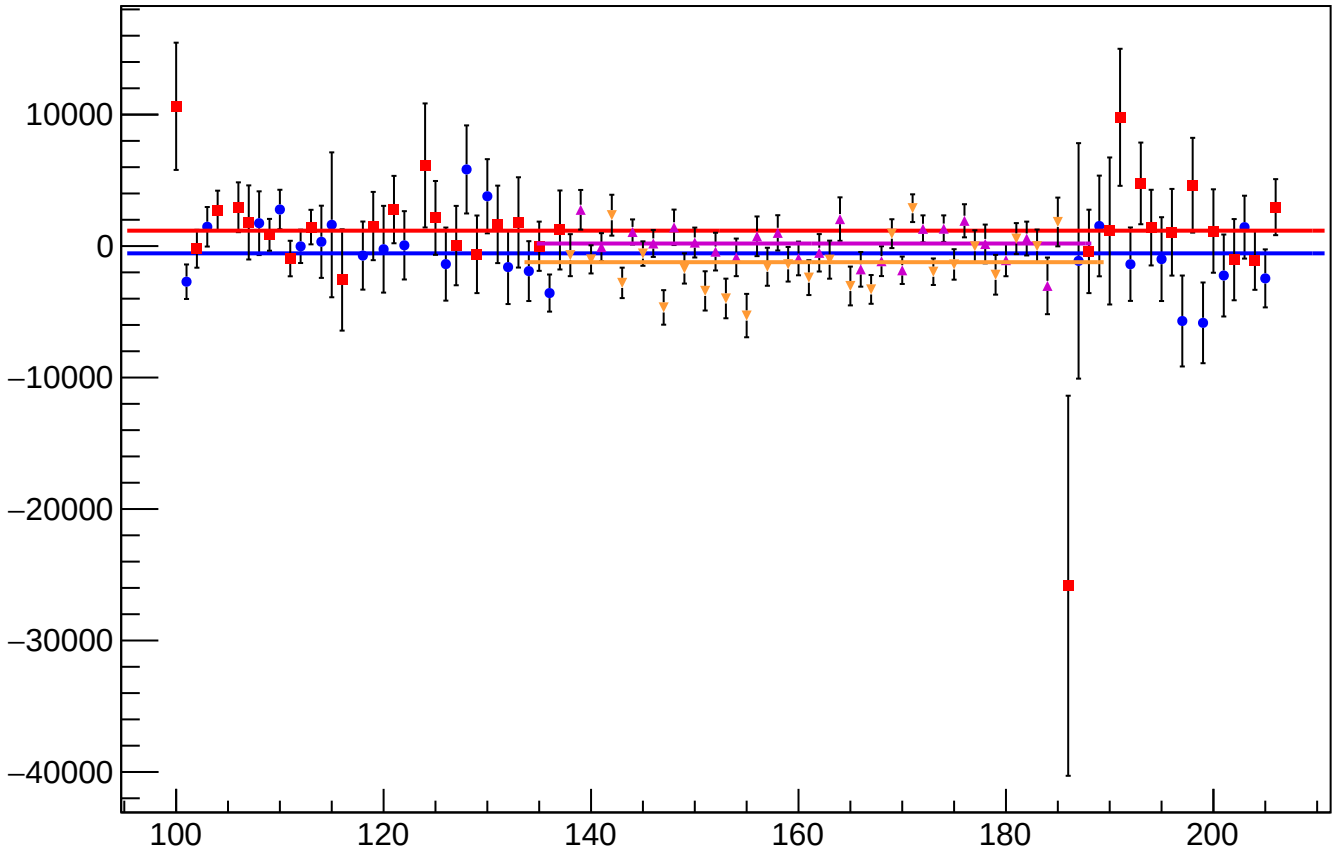
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.859+/-0.020 χ^2/NDF: 3964243.3/55

In: 147.776+/-0.019 χ^2/NDF:2275048.0/47

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.836+/-0.013 χ^2/NDF: 5558777.1/103



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

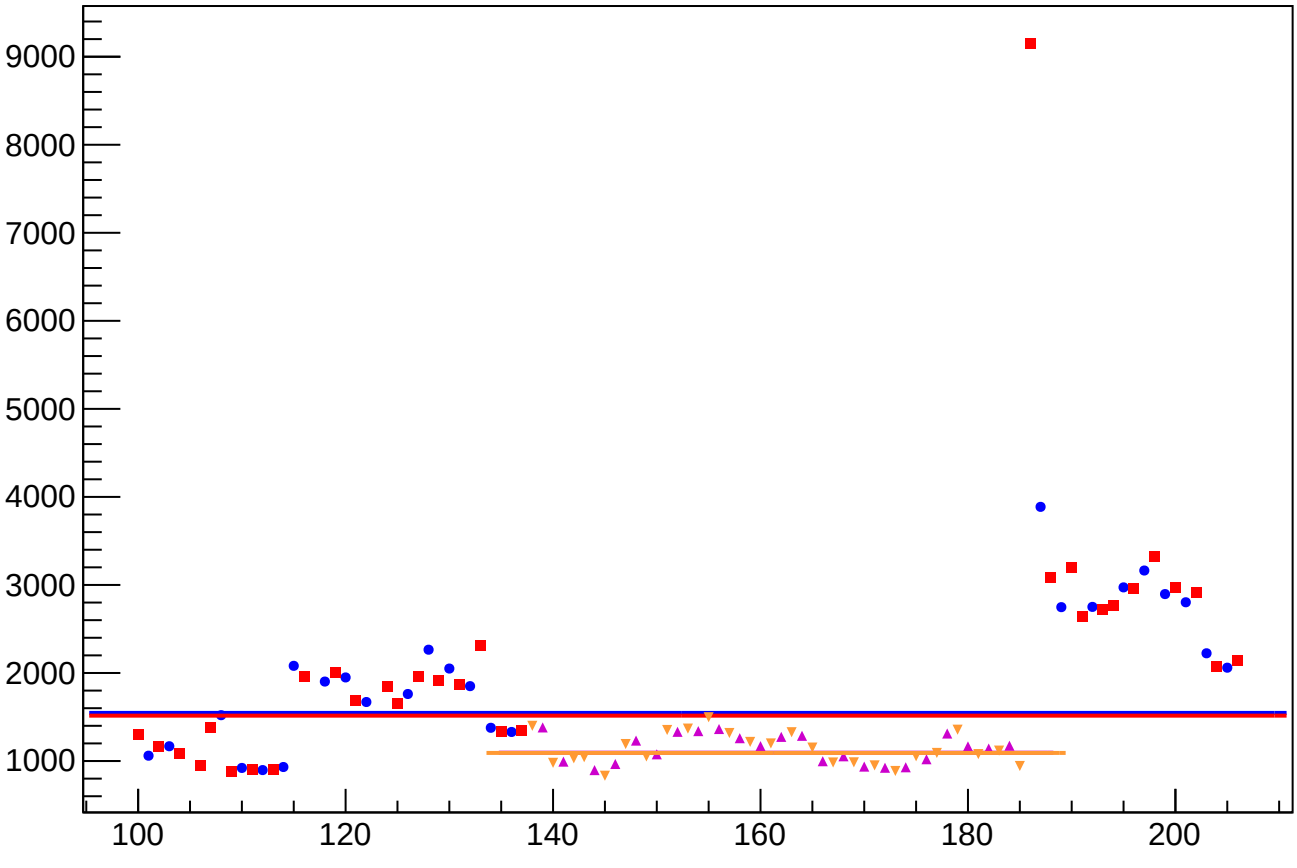
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 371.243+/-305.880 χ^2/NDF: 61.0/55

In: 7.380+/-224.315 χ^2/NDF:54.7/47

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -301.289+/-155.454 χ^2/NDF: 165.5/103



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

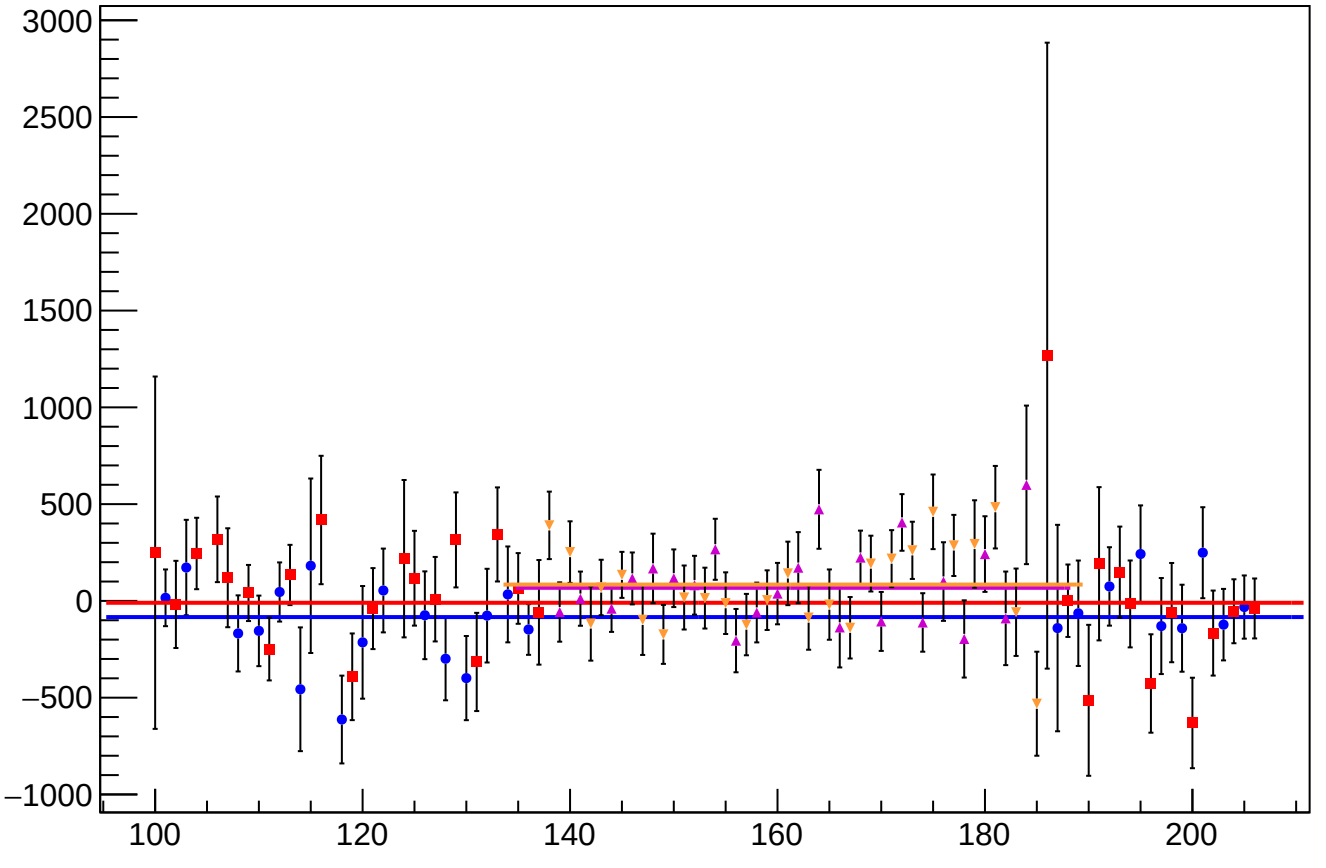
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1529.818+/-0.216 χ^2/NDF: 10486570.4/55

In: 1207.245+/-0.159 χ^2/NDF:6488760.9/47

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1205.968+/-0.110 χ^2/NDF: 15134671.2/



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -9.694+/-39.867 χ^2/NDF: 31.7/30

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

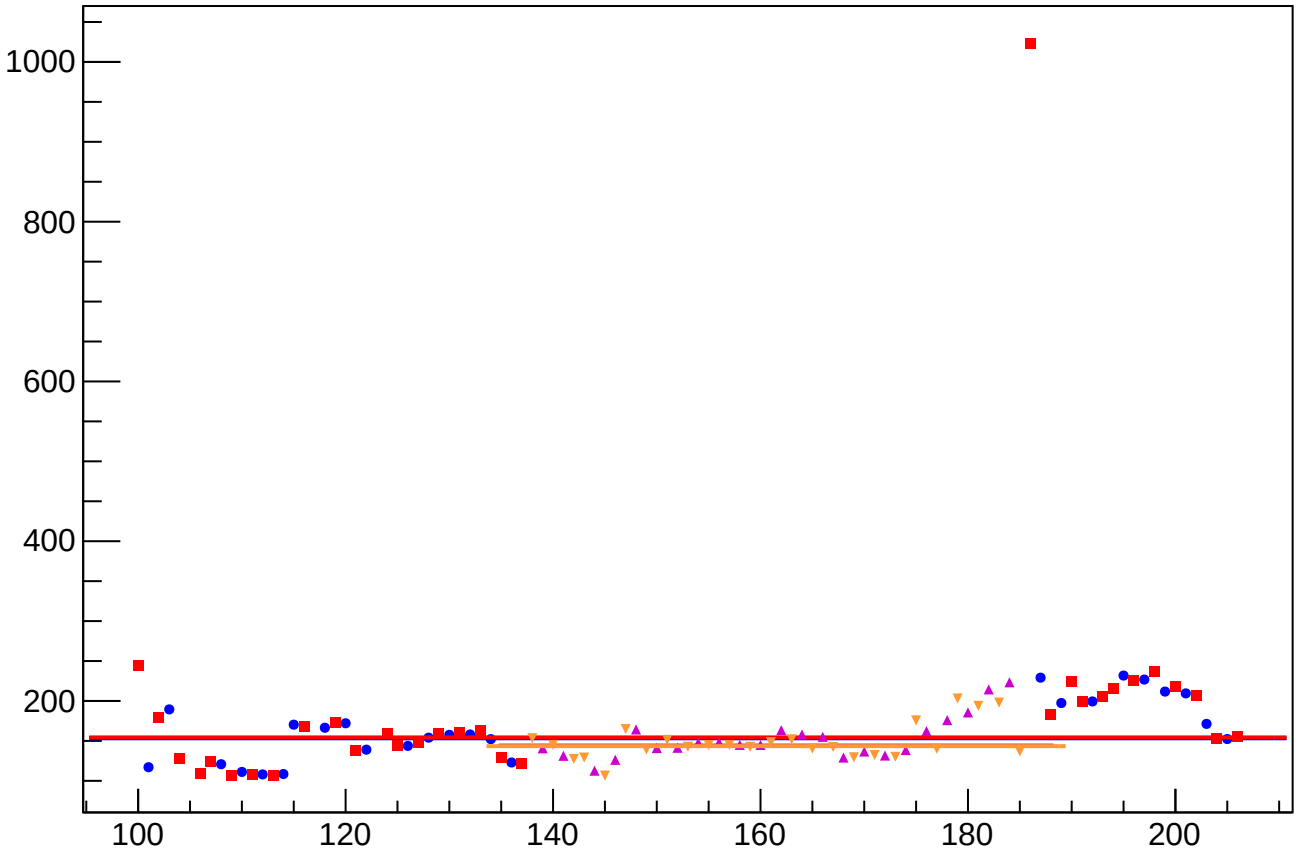
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -44.524+/-28.985 χ^2/NDF: 51.8/55

In: 7.859+/-26.545 χ^2/NDF:52.8/47

Out: 46.056+/-25.437 χ^2/NDF:68.8/55

All: 27.771+/-18.366 χ^2/NDF: 122.7/103



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

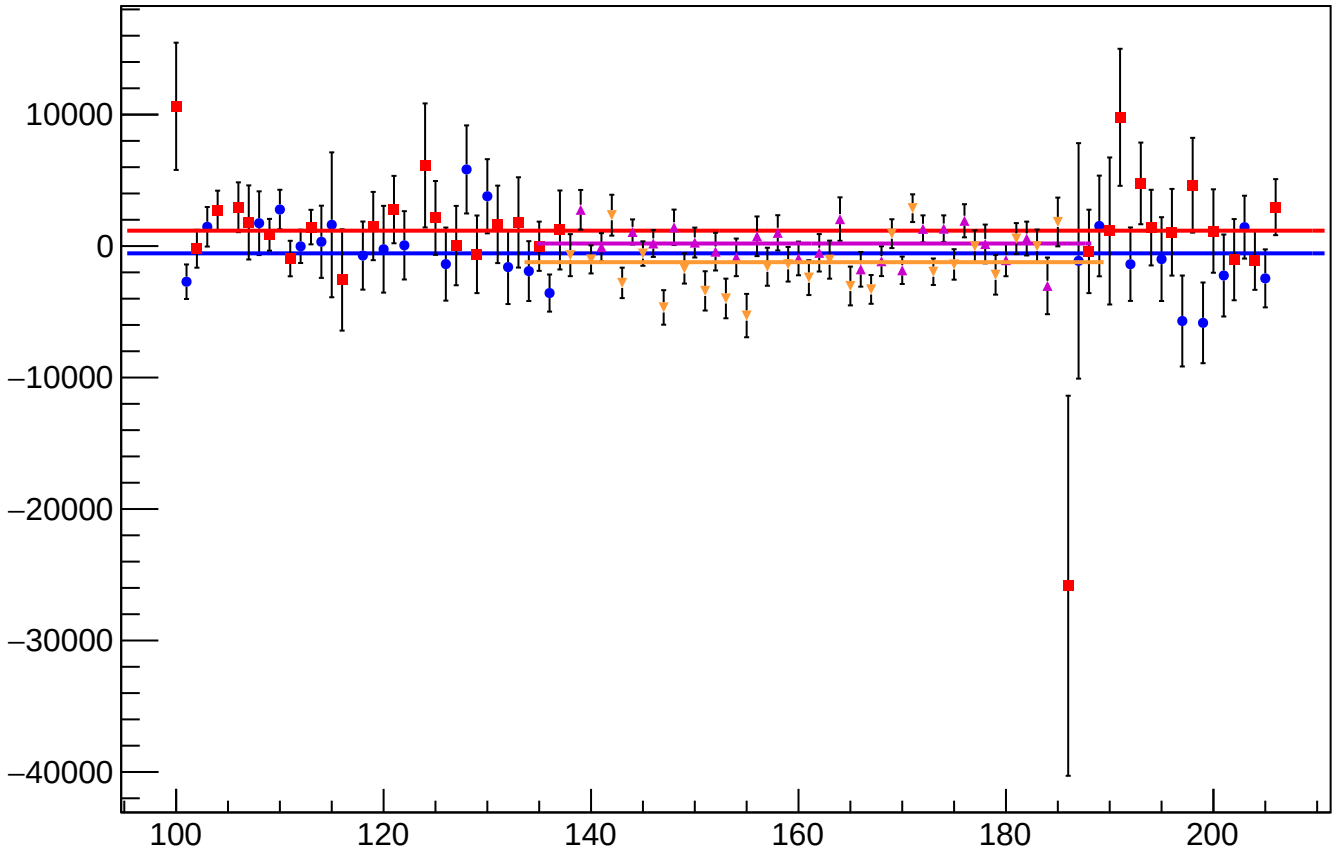
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.859+/-0.020 χ^2/NDF: 3964243.3/55

In: 147.776+/-0.019 χ^2/NDF:2275048.0/47

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.836+/-0.013 χ^2/NDF: 5558777.1/103



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

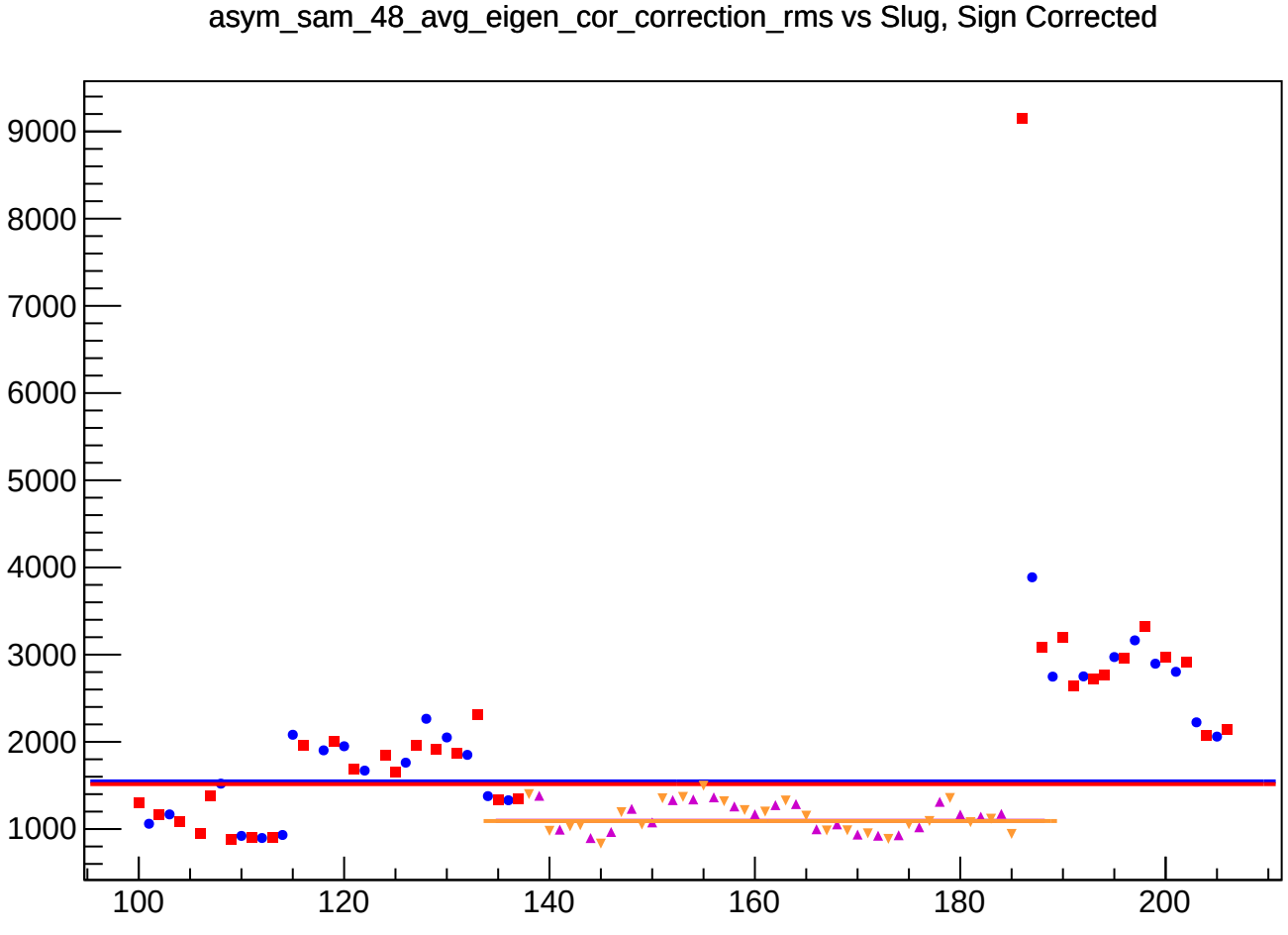
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 371.243+/-305.880 χ^2/NDF: 61.0/55

In: 7.380+/-224.315 χ^2/NDF:54.7/47

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -301.289+/-155.454 χ^2/NDF: 165.5/103



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

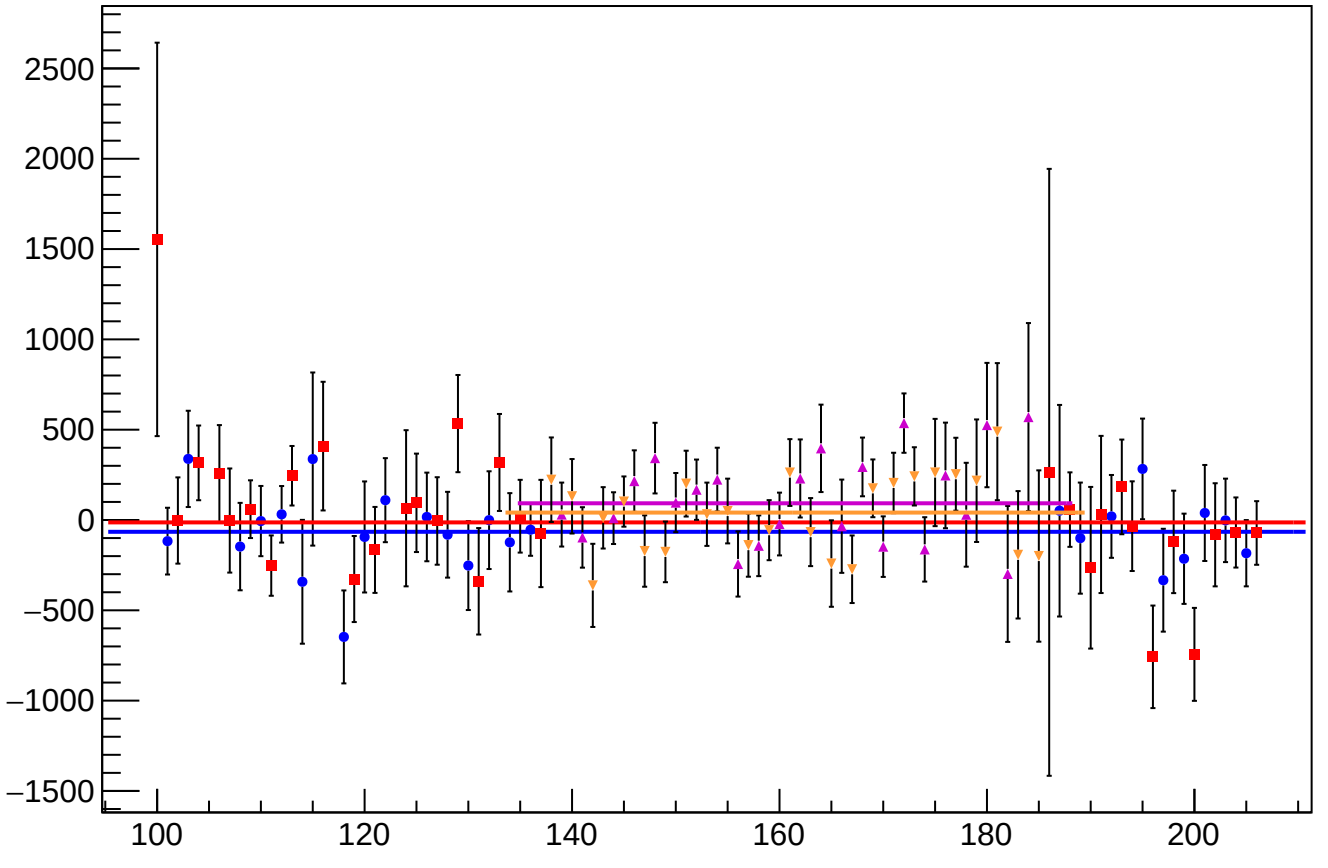
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1529.818+/-0.216 χ^2/NDF: 10486570.4/55

In: 1207.245+/-0.159 χ^2/NDF:6488760.9/47

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1205.968+/-0.110 χ^2/NDF: 15134671.2/



Right In: -65.332+/-47.299 χ^2/NDF: 14.5/24

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -13.300+/-44.296 χ^2/NDF: 37.4/30

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

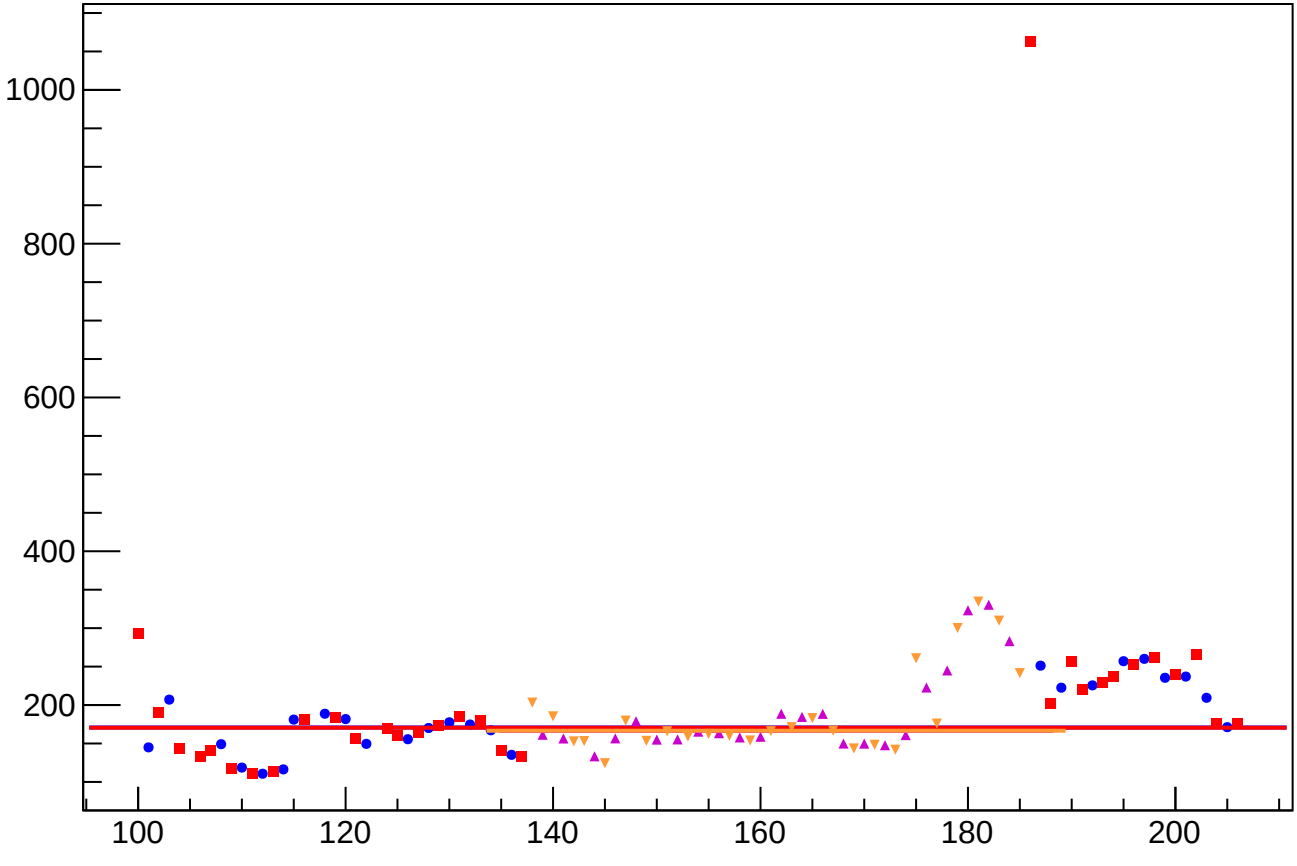
Right: -37.612+/-32.332 χ^2/NDF: 52.5/55

In: 26.404+/-30.616 χ^2/NDF:50.4/47

Out: 17.216+/-29.346 χ^2/NDF:60.6/55

All: 21.615+/-21.185 χ^2/NDF: 111.0/103

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 170.826+/-0.033 χ^2/NDF: 1653372.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646678.3/30

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

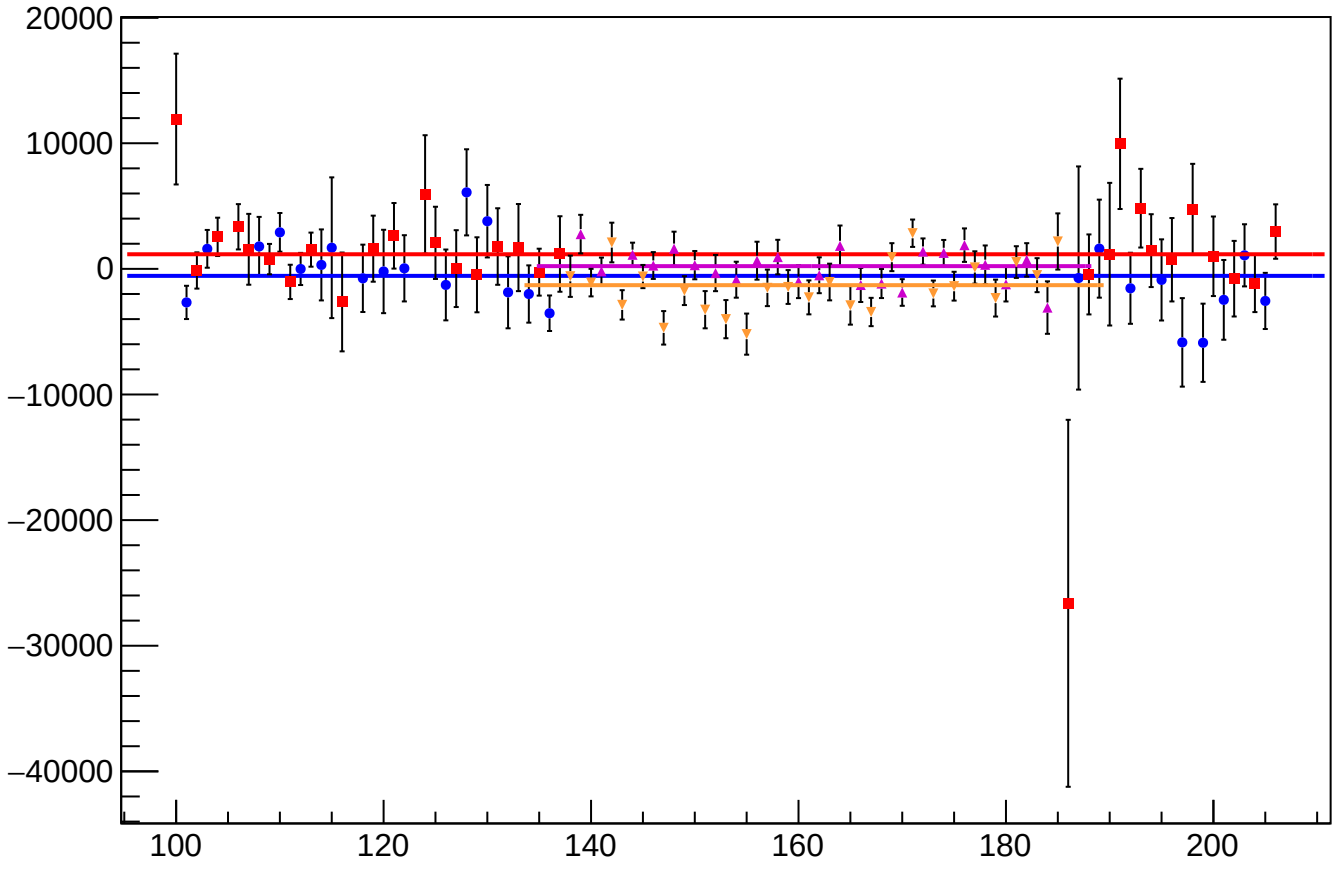
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.655+/-0.023 χ^2/NDF: 4300099.8/55

In: 168.201+/-0.022 χ^2/NDF:3056442.3/47

Out: 168.313+/-0.021 χ^2/NDF:4375243.7/55

All: 168.260+/-0.015 χ^2/NDF: 7431700.0/103



Right In: -557.456+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1162.567+/-420.839 χ^2/NDF: 24.9/30

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

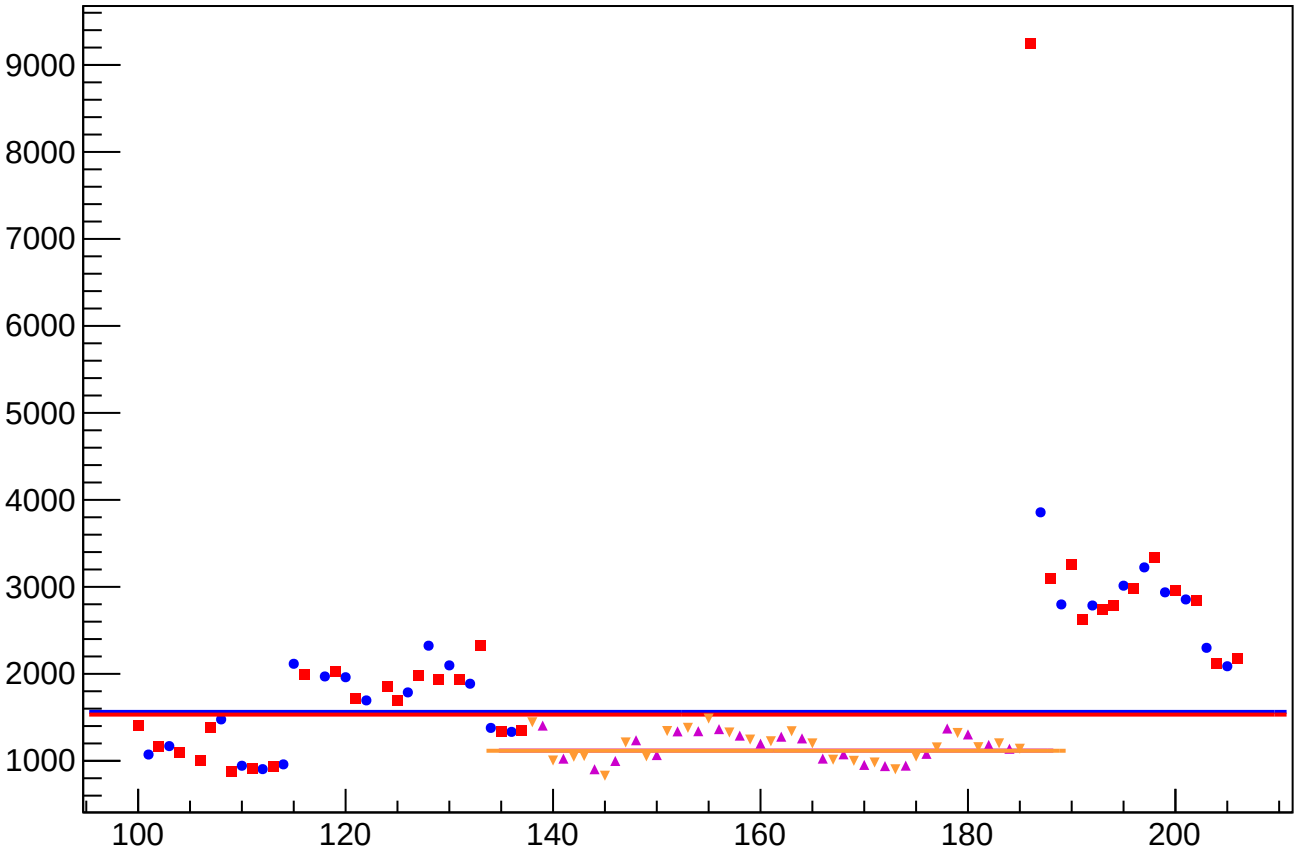
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 367.935+/-308.682 χ^2/NDF: 62.1/55

In: 21.177+/-228.489 χ^2/NDF:53.9/47

Out: -630.016+/-219.311 χ^2/NDF:104.9/55

All: -317.761+/-158.221 χ^2/NDF: 163.1/103



Right In: 1562.667+/-0.321 χ^2/NDF: 4293476.9/24

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1531.583+/-0.298 χ^2/NDF: 6198825.0/30

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

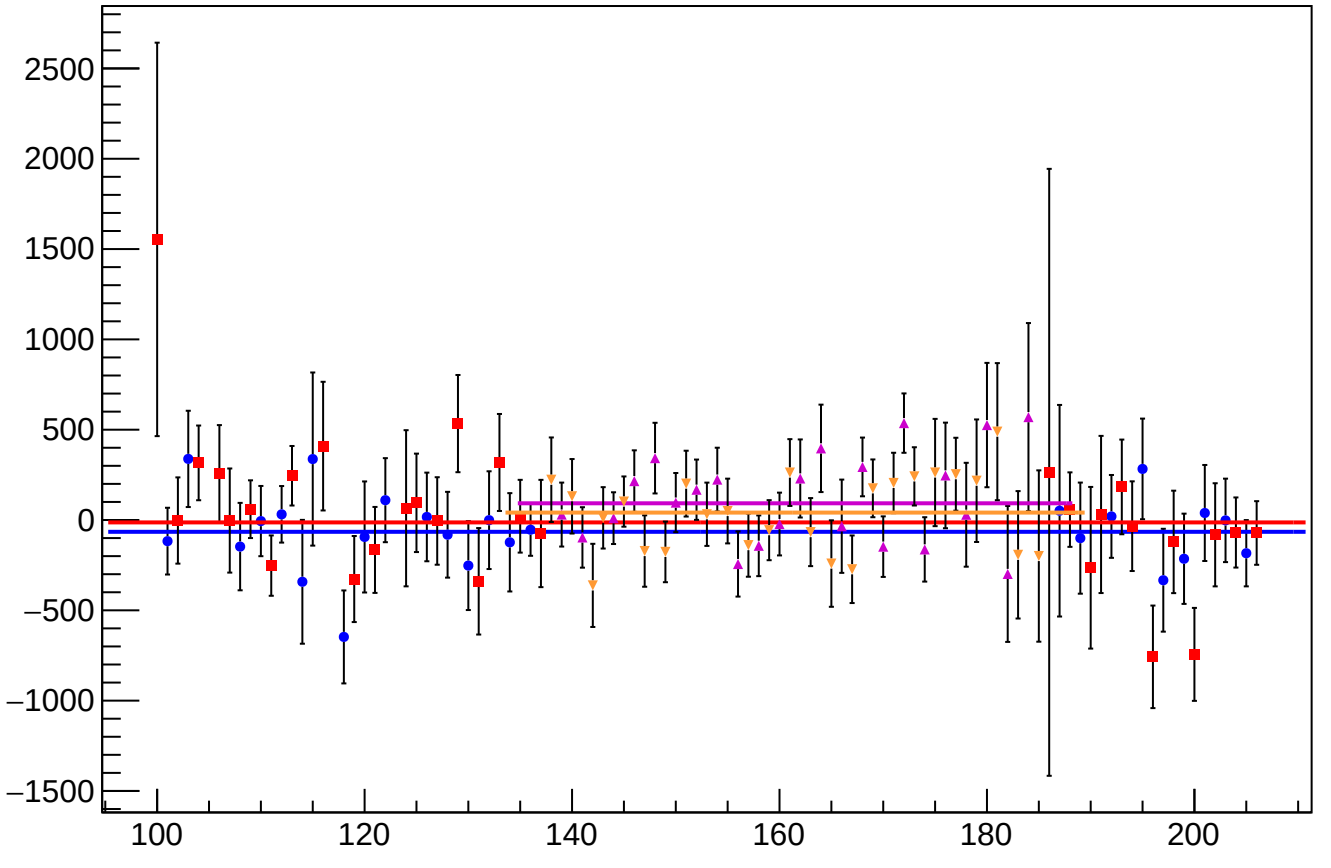
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1545.944+/-0.218 χ^2/NDF: 10497342.7/55

In: 1230.431+/-0.162 χ^2/NDF:6455992.2/47

Out: 1228.886+/-0.155 χ^2/NDF:8486775.5/55

All: 1229.627+/-0.112 χ^2/NDF: 14942815.3/1



Right In: -65.329+/-47.298 χ^2/NDF: 14.5/24

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -13.300+/-44.296 χ^2/NDF: 37.4/30

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

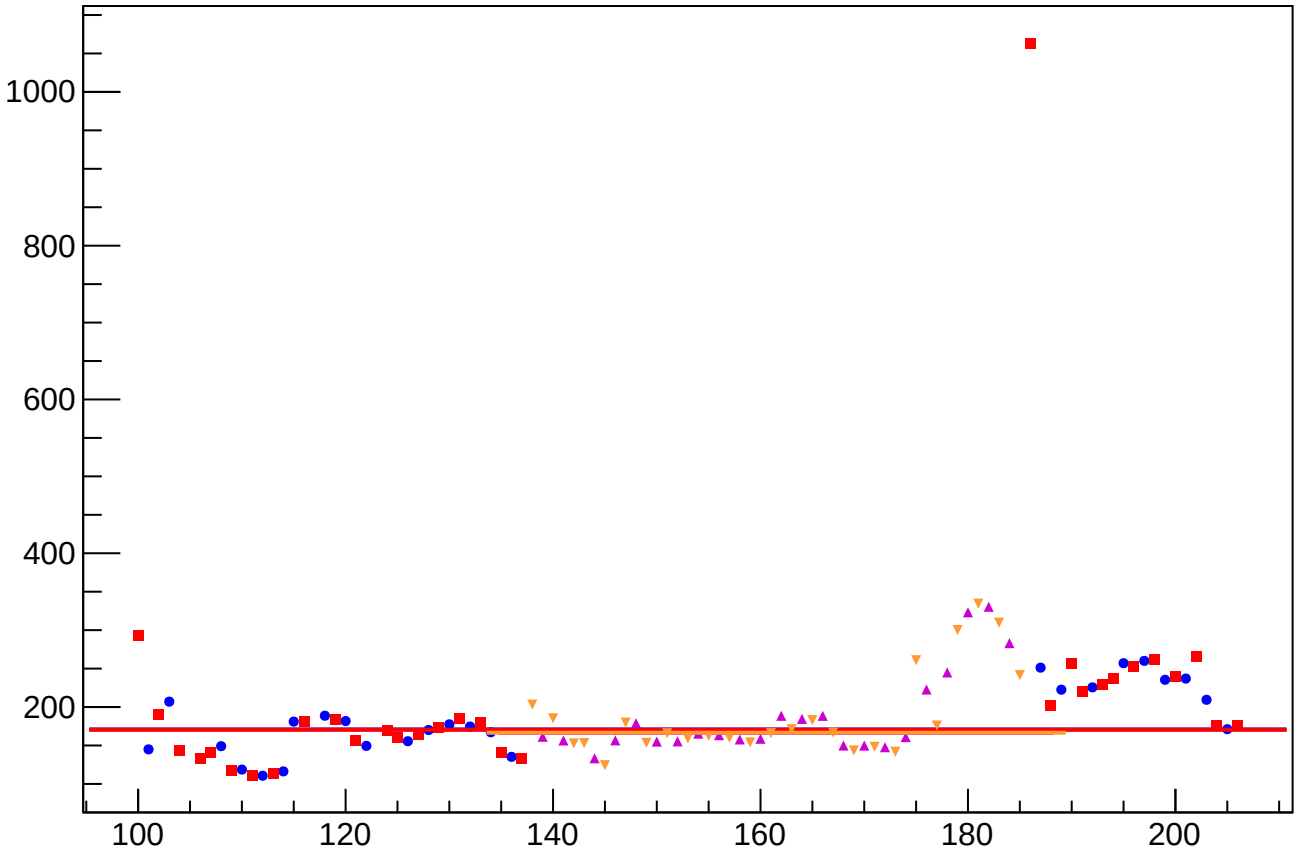
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -37.611+/-32.332 χ^2/NDF: 52.5/55

In: 26.405+/-30.616 χ^2/NDF:50.4/47

Out: 17.217+/-29.346 χ^2/NDF:60.6/55

All: 21.616+/-21.186 χ^2/NDF: 111.0/103



Right In: 170.826+/-0.033 χ^2/NDF: 1653360.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646685.2/30

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

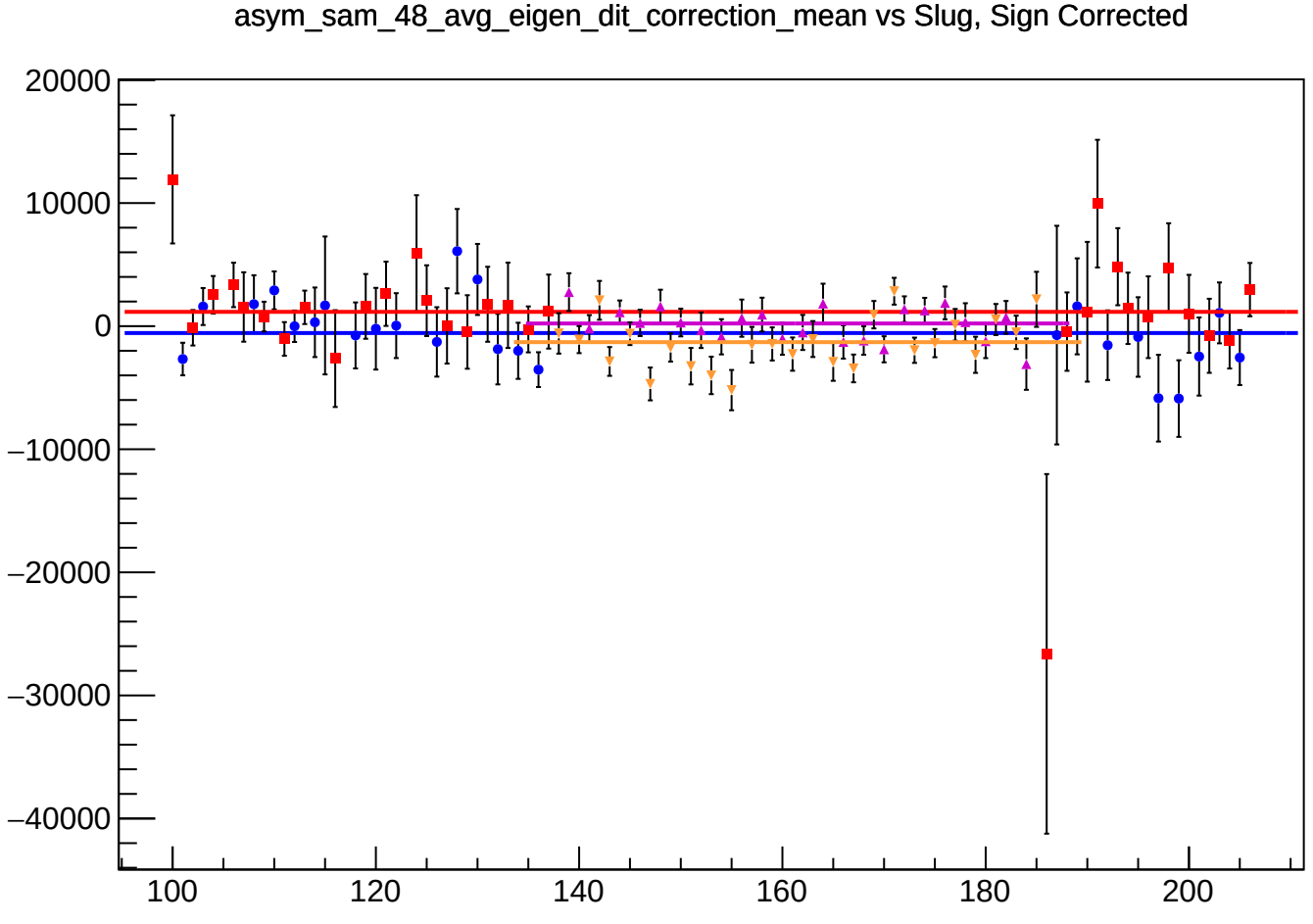
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.655+/-0.023 χ^2/NDF: 4300094.6/55

In: 168.201+/-0.022 χ^2/NDF:3056408.4/47

Out: 168.313+/-0.021 χ^2/NDF:4375243.1/55

All: 168.260+/-0.015 χ^2/NDF: 7431665.4/103



Right In: -557.455+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1162.566+/-420.839 χ^2/NDF: 24.9/30

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

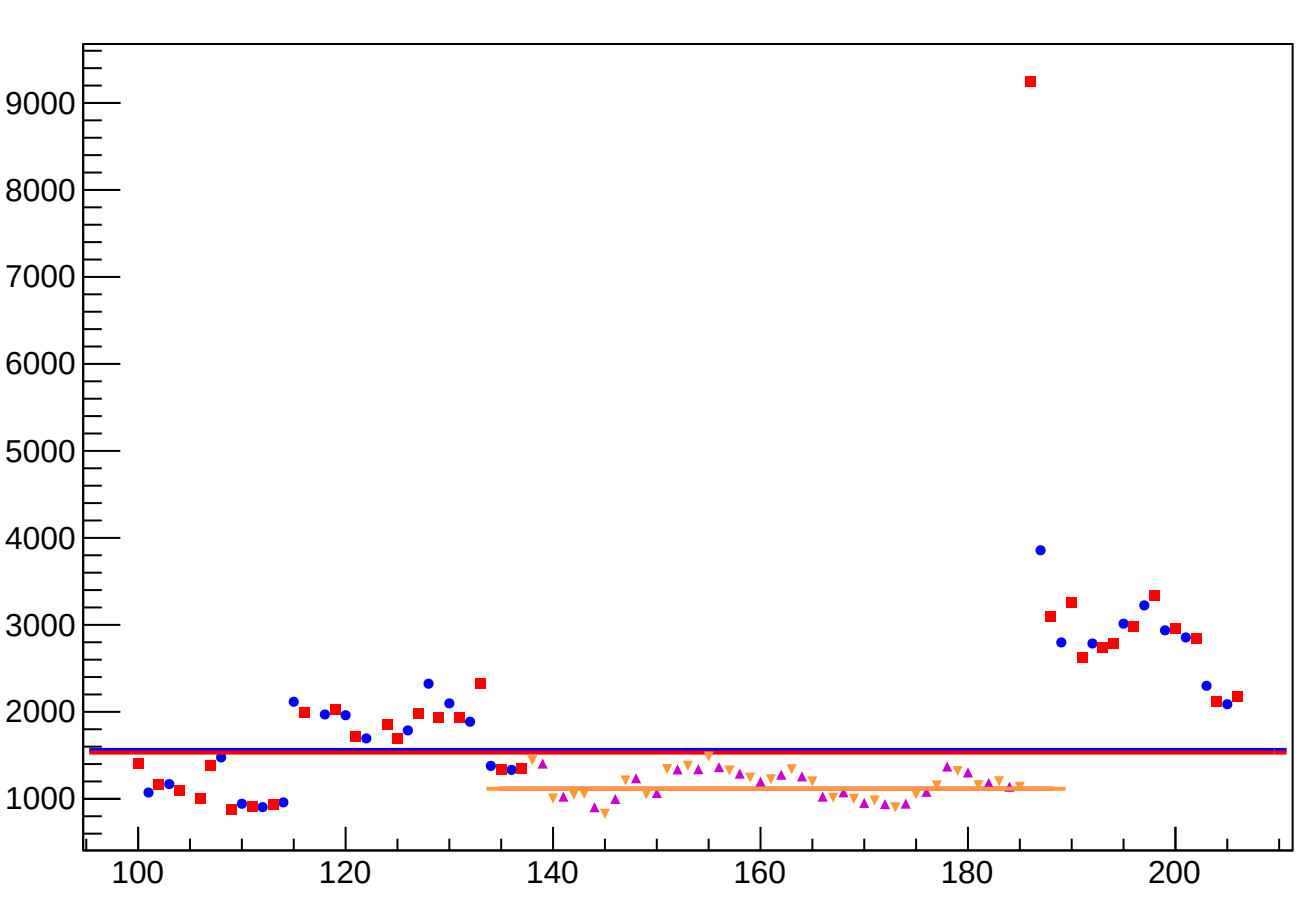
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 367.935+/-308.682 χ^2/NDF: 62.1/55

In: 21.176+/-228.489 χ^2/NDF:53.9/47

Out: -630.015+/-219.311 χ^2/NDF:104.9/55

All: -317.760+/-158.221 χ^2/NDF: 163.1/103



Right In: 1562.665+/-0.321 χ^2/NDF: 4293477.4/24

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1531.582+/-0.298 χ^2/NDF: 6198823.9/30

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

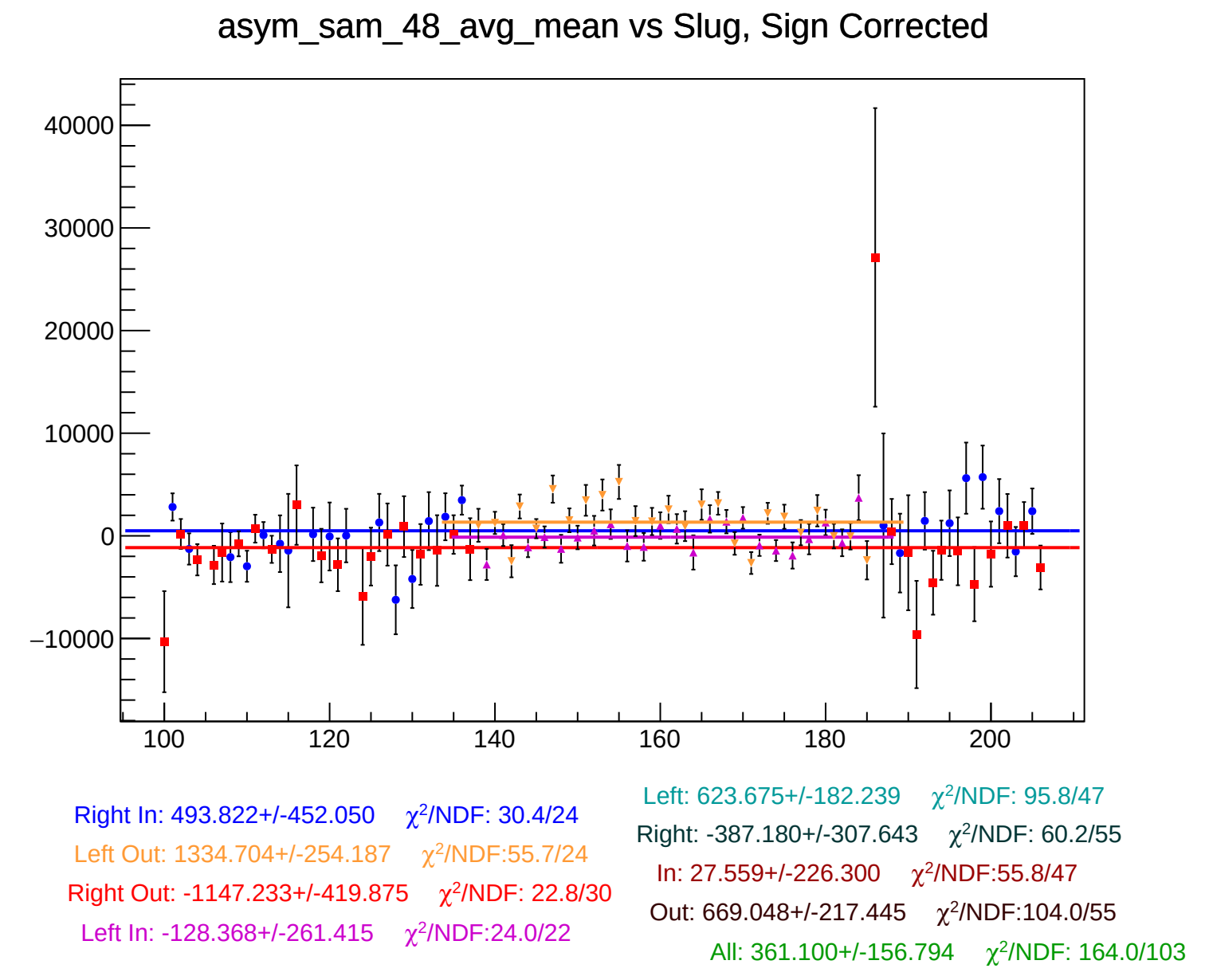
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1545.942+/-0.218 χ^2/NDF: 10497342.1/55

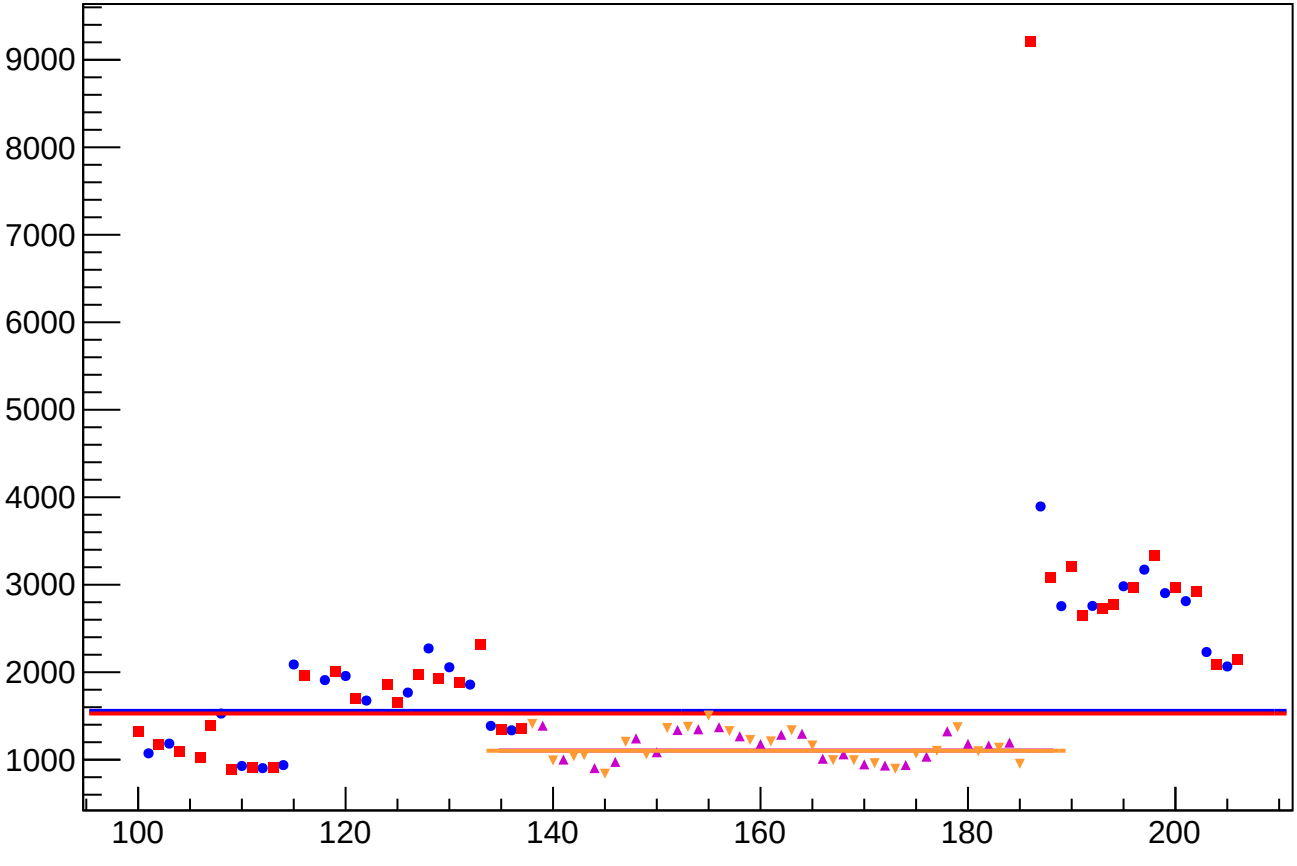
In: 1230.429+/-0.162 χ^2/NDF:6455996.2/47

Out: 1228.884+/-0.155 χ^2/NDF:8486782.2/55

All: 1229.625+/-0.112 χ^2/NDF: 14942826.1/


asym_sam_48_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 493.822+/-452.050 χ²/NDF: 30.4/24
Left Out: 1334.704+/-254.187 χ²/NDF:55.7/24
Right Out: -1147.233+/-419.875 χ²/NDF: 22.8/30
Left In: -128.368+/-261.415 χ²/NDF:24.0/22
Left: 623.675+/-182.239 χ²/NDF: 95.8/47
Right: -387.180+/-307.643 χ²/NDF: 60.2/55
In: 27.559+/-226.300 χ²/NDF:55.8/47
Out: 669.048+/-217.445 χ²/NDF:104.0/55
All: 361.100+/-156.794 χ²/NDF: 164.0/103

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1558.187+/-0.320 χ^2/NDF: 4186866.3/24

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1528.273+/-0.297 χ^2/NDF: 6162516.9/30

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

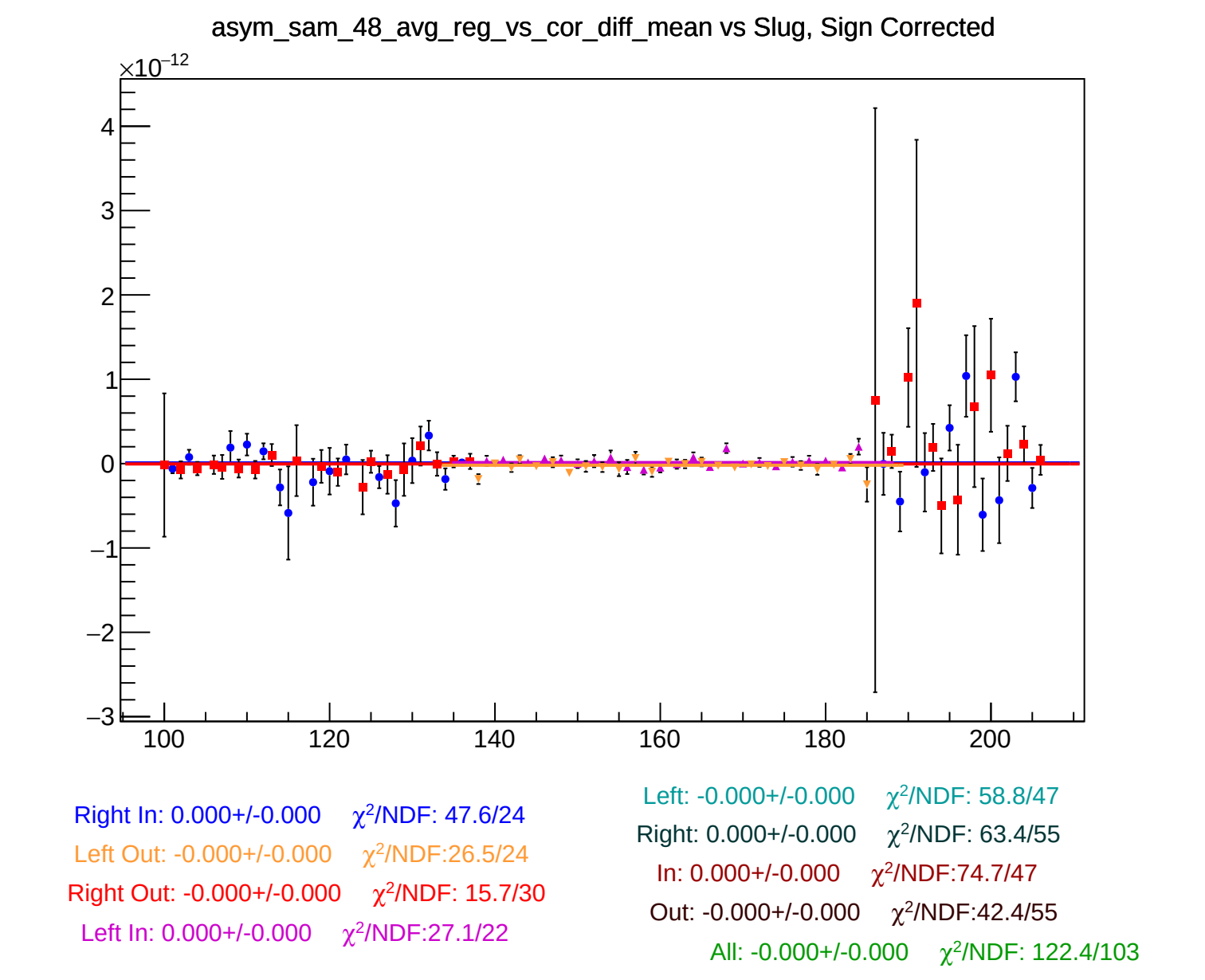
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

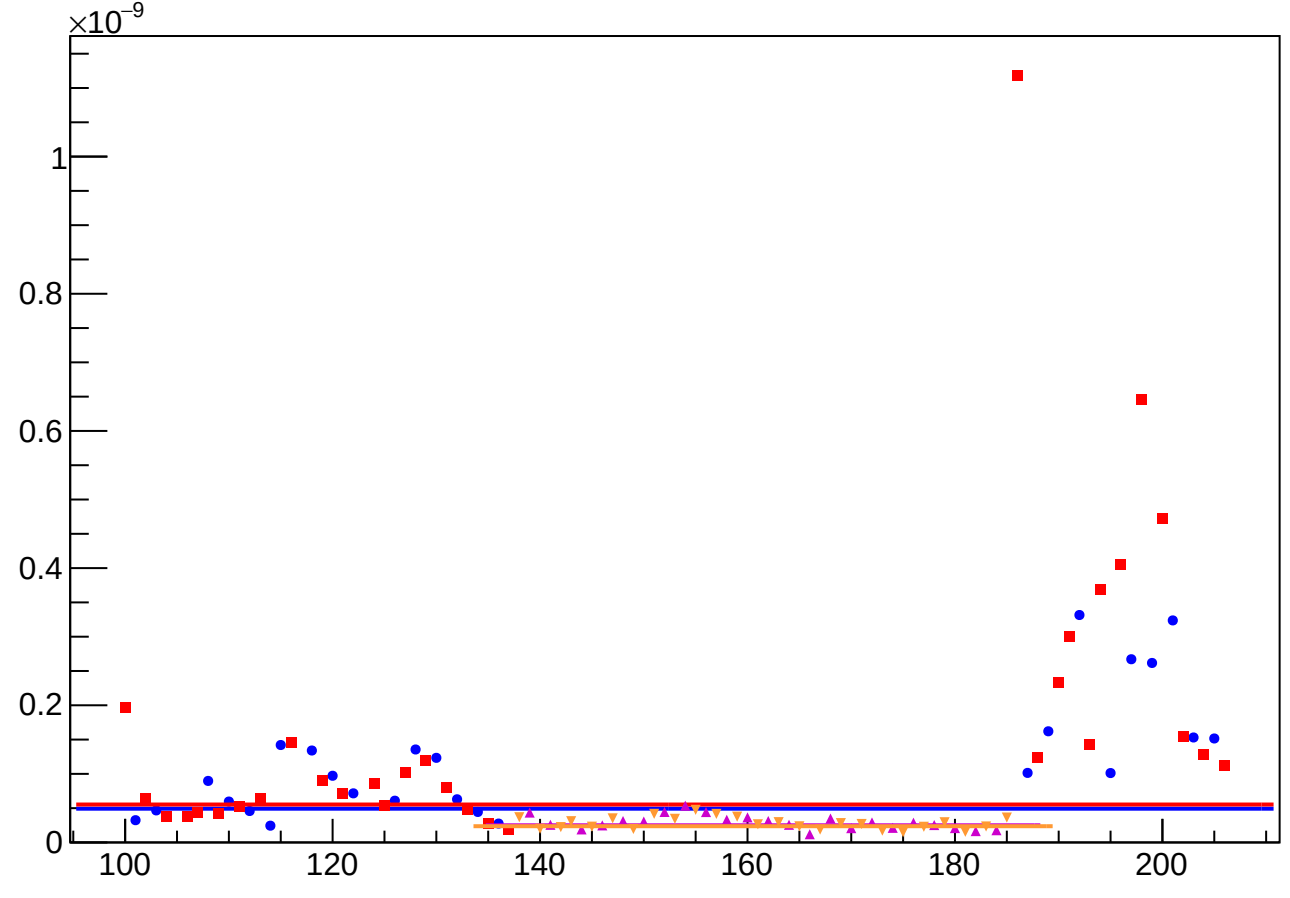
Right: 1542.127+/-0.218 χ^2/NDF: 10354085.0/55

In: 1218.722+/-0.160 χ^2/NDF:6415172.5/47

Out: 1216.839+/-0.154 χ^2/NDF:8546576.7/55

All: 1217.743+/-0.111 χ^2/NDF: 14961821.2/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 47.6/24
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/30
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: 0.000+/-0.000 χ²/NDF: 63.4/55
In: 0.000+/-0.000 χ²/NDF:74.7/47
Out: -0.000+/-0.000 χ²/NDF:42.4/55
All: -0.000+/-0.000 χ²/NDF: 122.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 4631087.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5519064.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

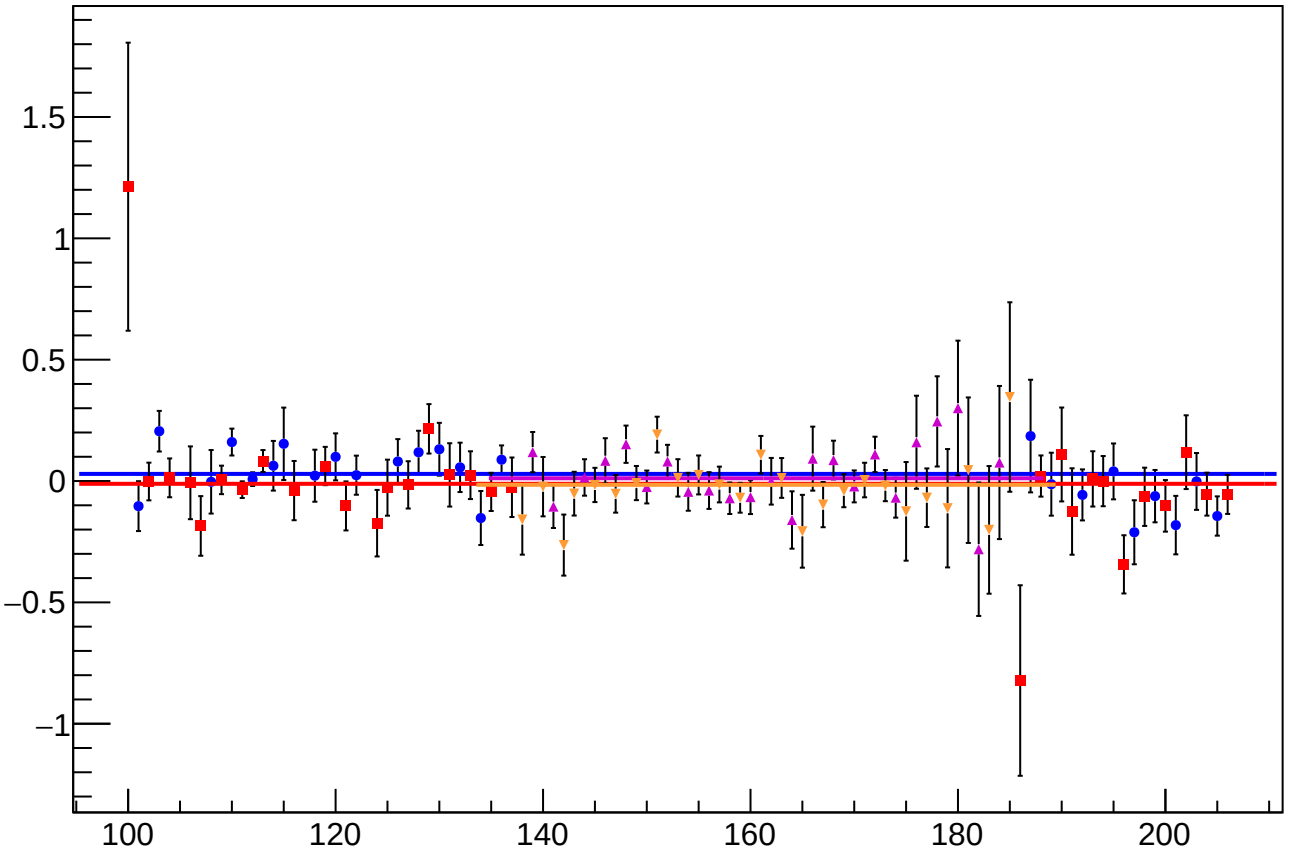
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10201347.3/55

In: 0.000+/-0.000 χ^2/NDF:7669500.0/47

Out: 0.000+/-0.000 χ^2/NDF:9318343.7/55

All: 0.000+/-0.000 χ^2/NDF: 17010761.4/103



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

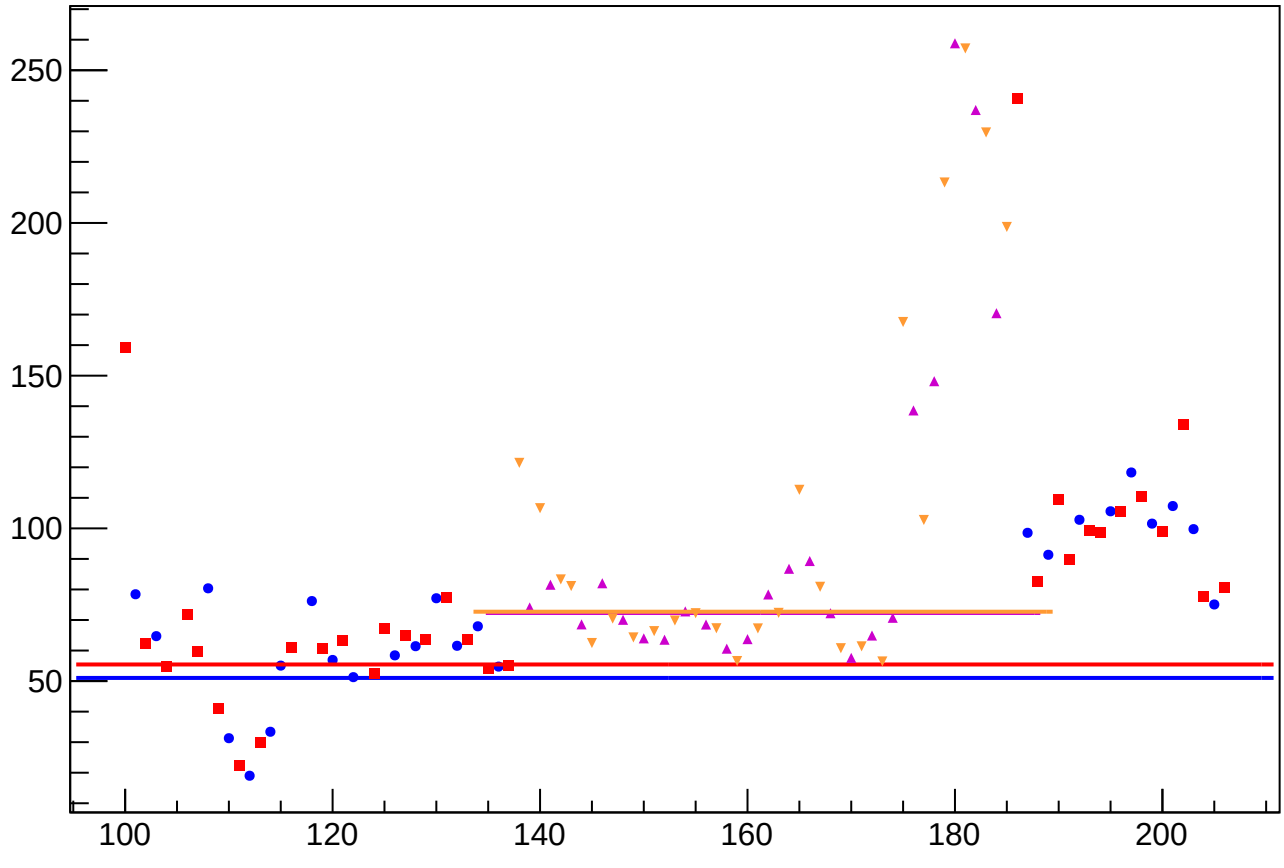
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.008+/-0.011 χ^2/NDF: 70.7/55

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.004+/-0.008 χ^2/NDF: 117.2/103



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

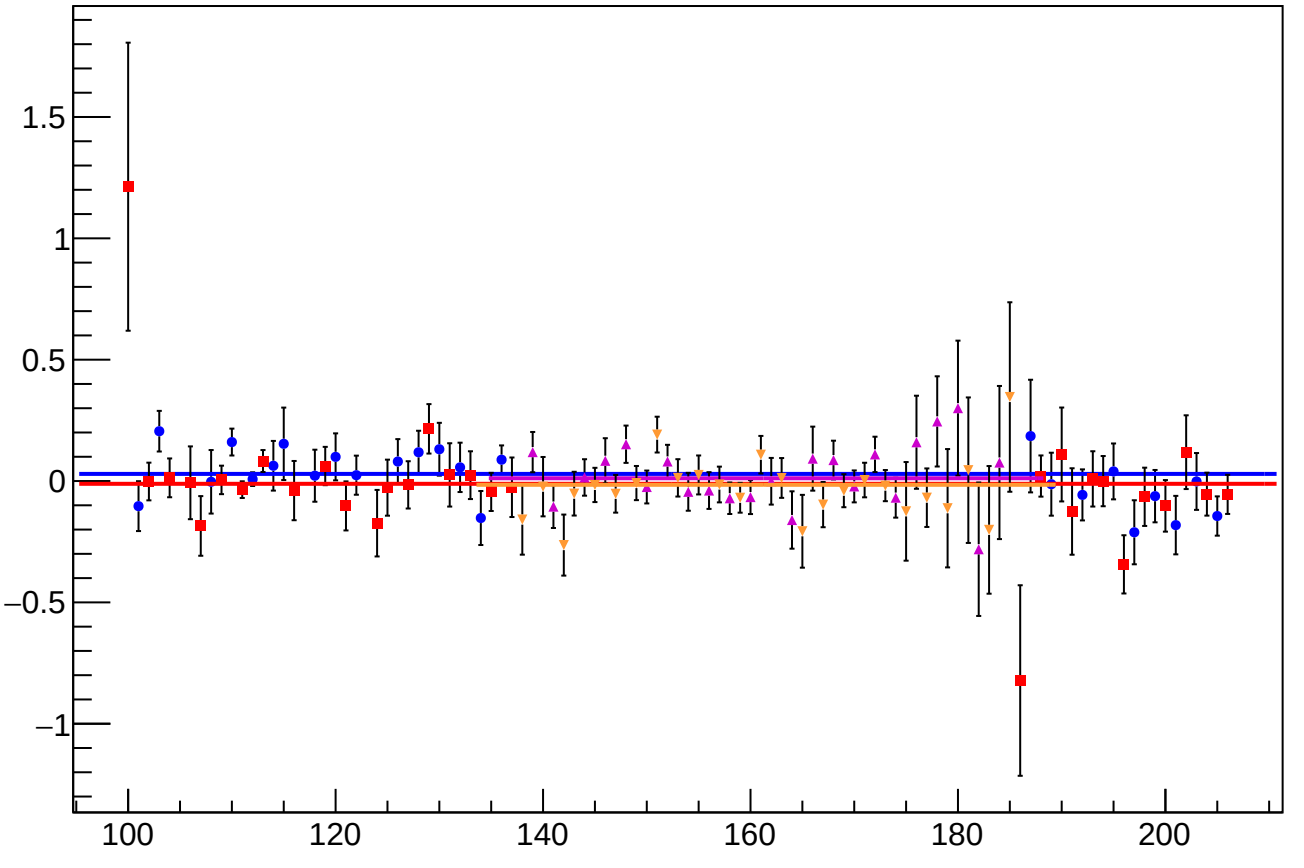
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 53.290+/-0.008 χ^2/NDF: 13129077.7/55

In: 60.351+/-0.009 χ^2/NDF:10991737.0/47

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 61.673+/-0.006 χ^2/NDF: 22422223.7/103



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

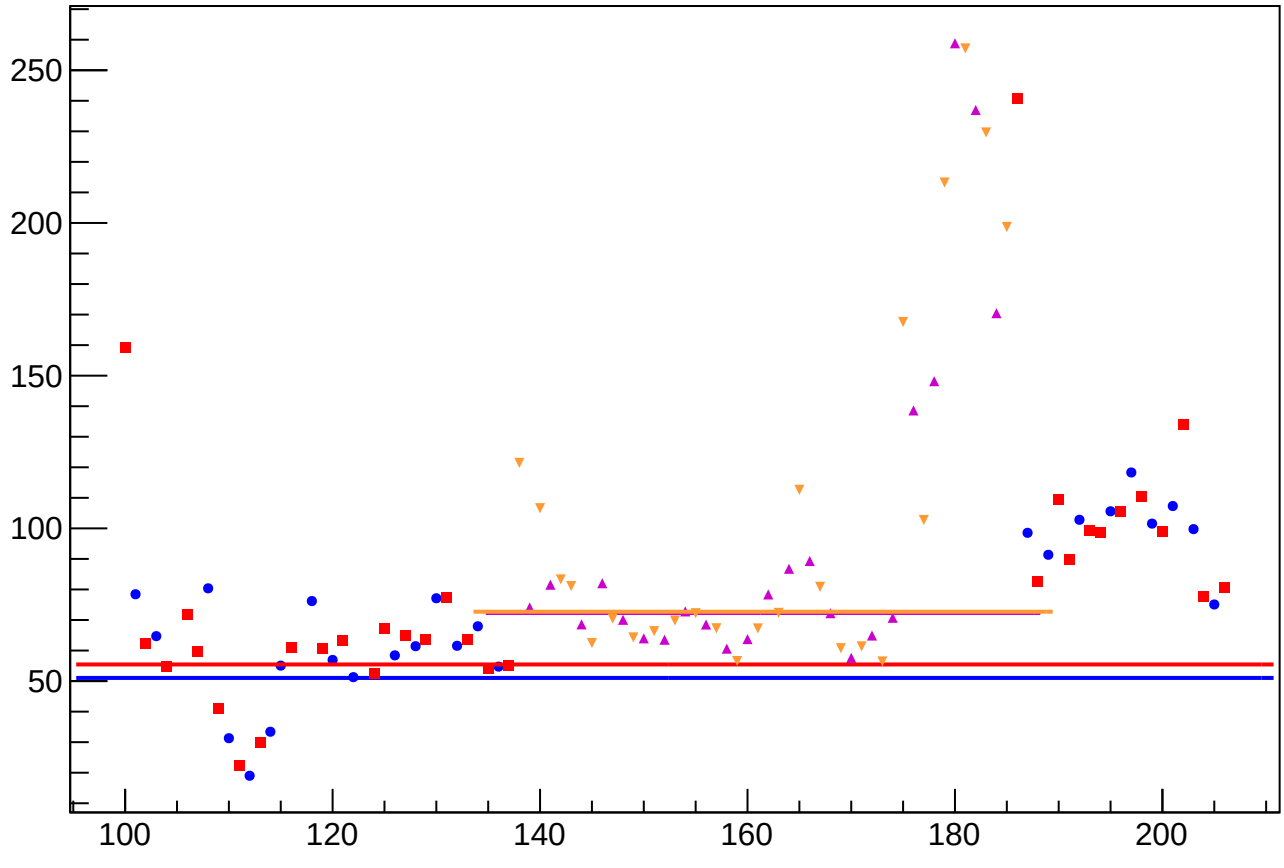
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.008+/-0.011 χ^2/NDF: 70.7/55

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.004+/-0.008 χ^2/NDF: 117.2/103



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

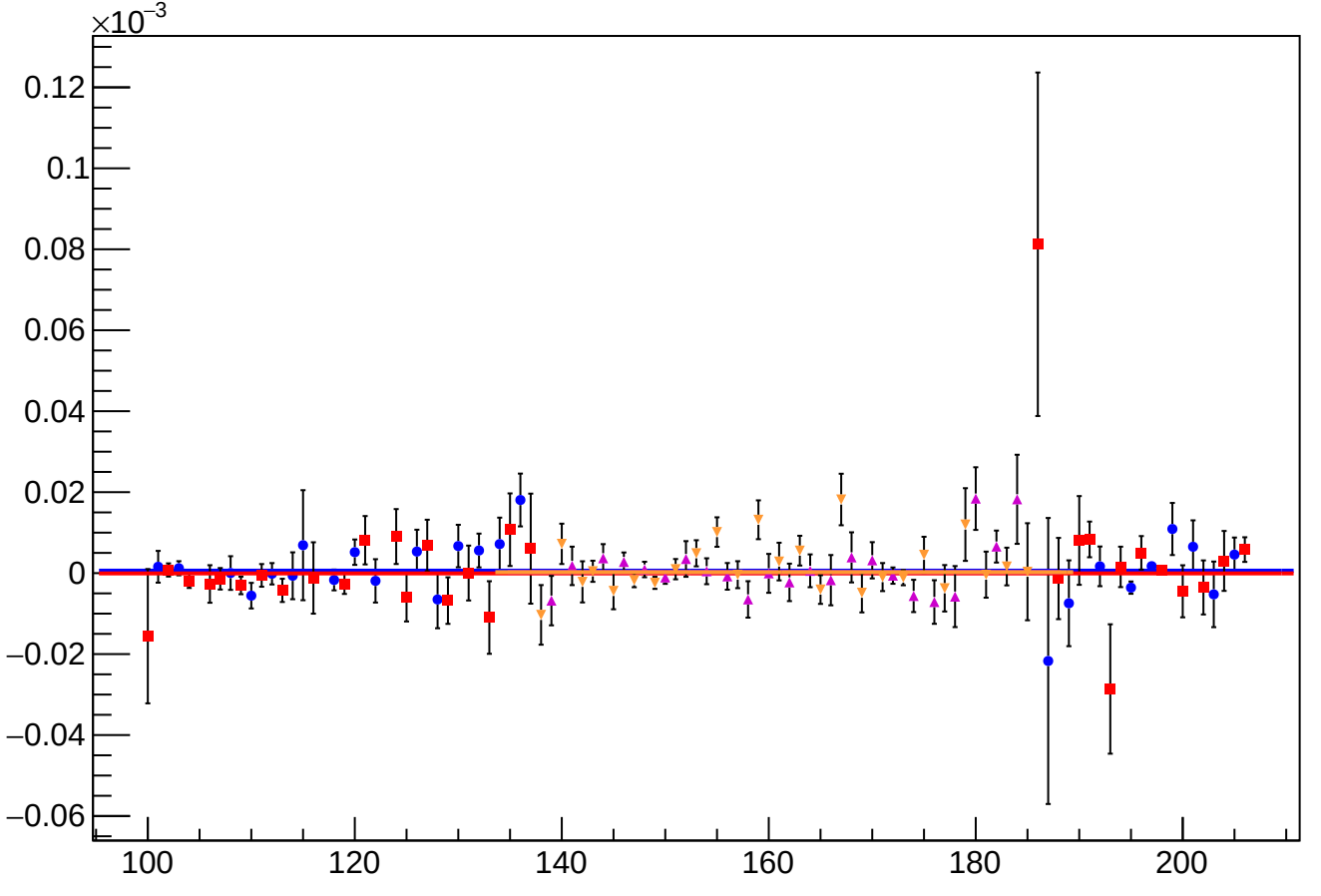
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 53.290+/-0.008 χ^2/NDF: 13129077.7/55

In: 60.351+/-0.009 χ^2/NDF:10991737.0/47

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 61.673+/-0.006 χ^2/NDF: 22422223.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

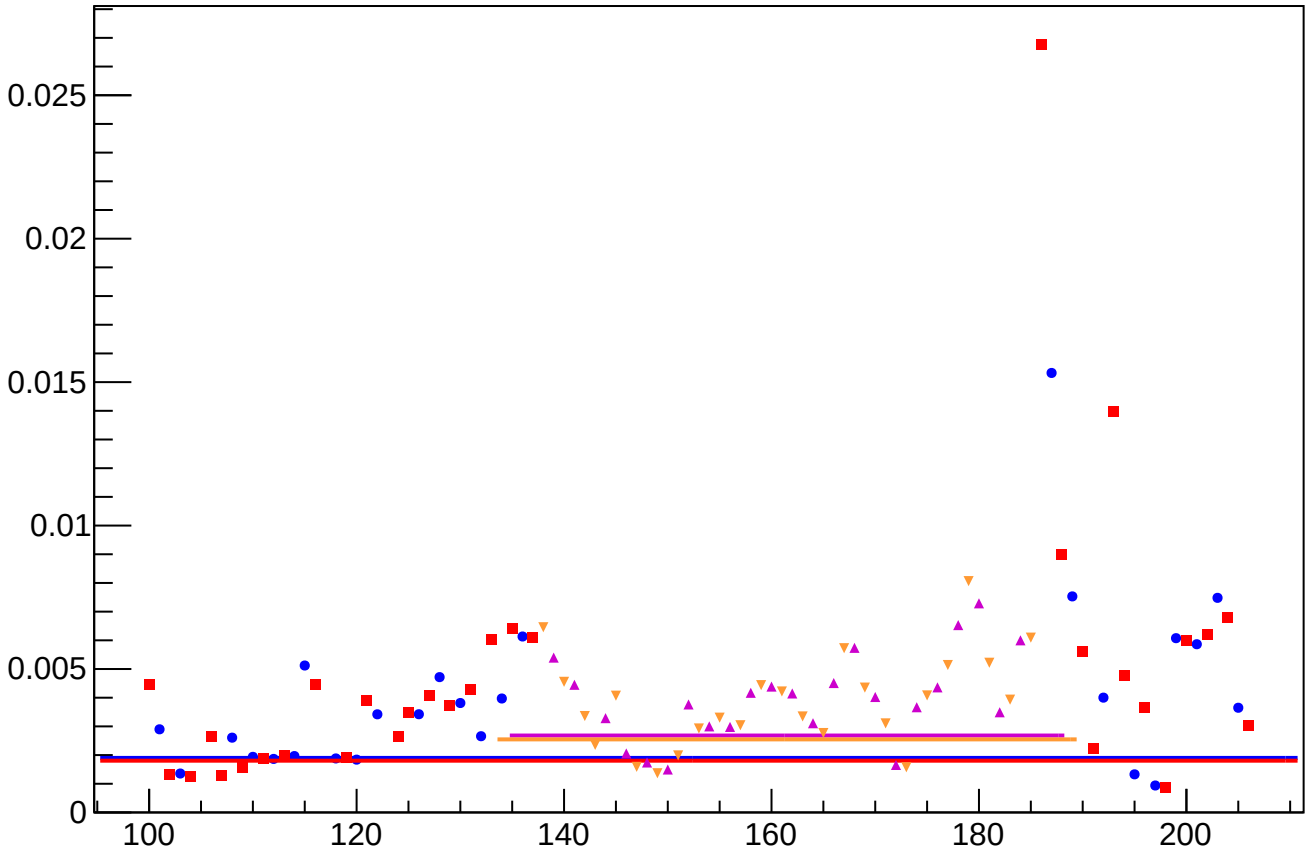
Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

Right: 0.000+/-0.000 χ^2/NDF: 71.3/55

In: 0.000+/-0.000 χ^2/NDF:58.7/47

Out: 0.000+/-0.000 χ^2/NDF:79.6/55

All: 0.000+/-0.000 χ^2/NDF: 138.7/103



Right In: 0.002+/-0.000 χ^2/NDF: 8100600.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12059070.2/30

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

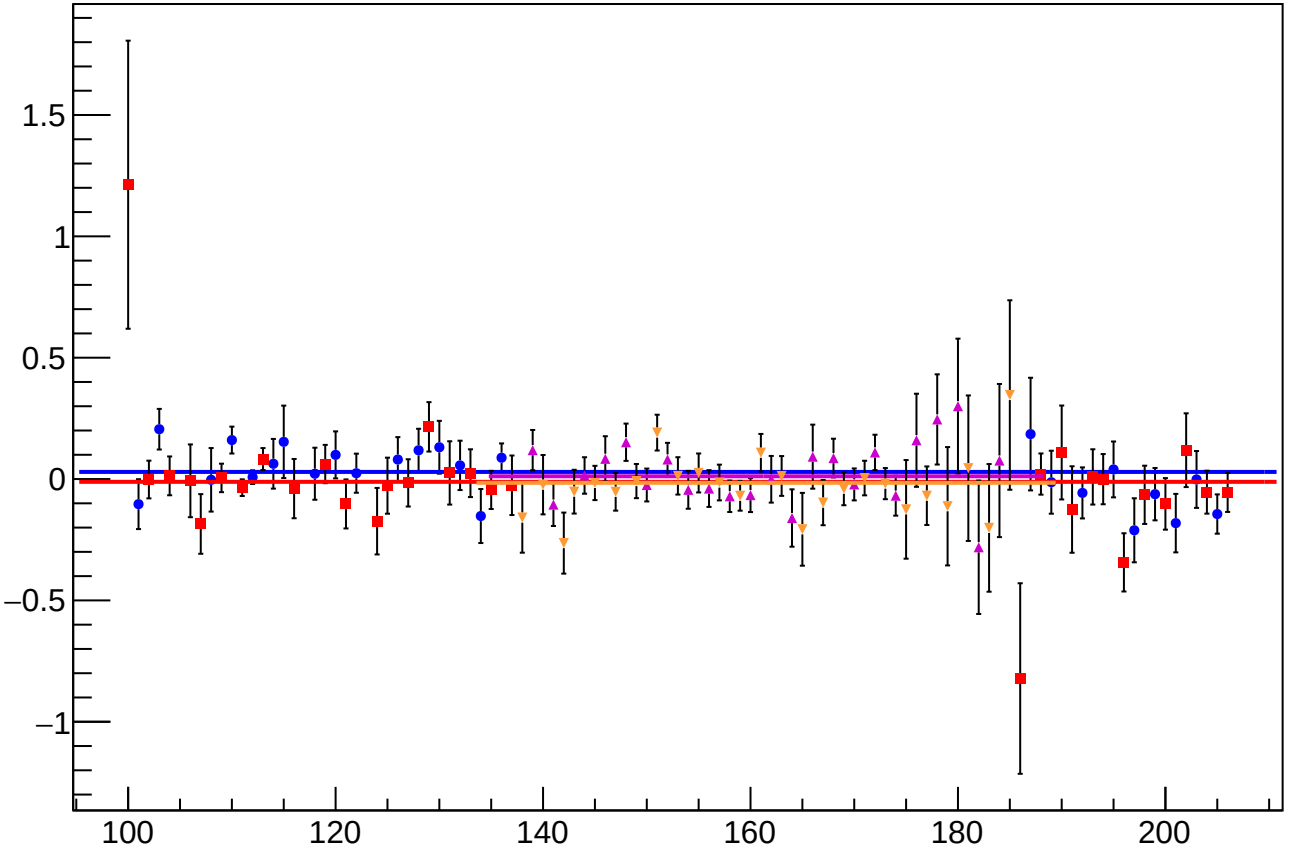
Right: 0.002+/-0.000 χ^2/NDF: 20184963.5/55

In: 0.002+/-0.000 χ^2/NDF:15953540.5/47

Out: 0.002+/-0.000 χ^2/NDF:21014009.1/55

All: 0.002+/-0.000 χ^2/NDF: 37039829.5/103

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

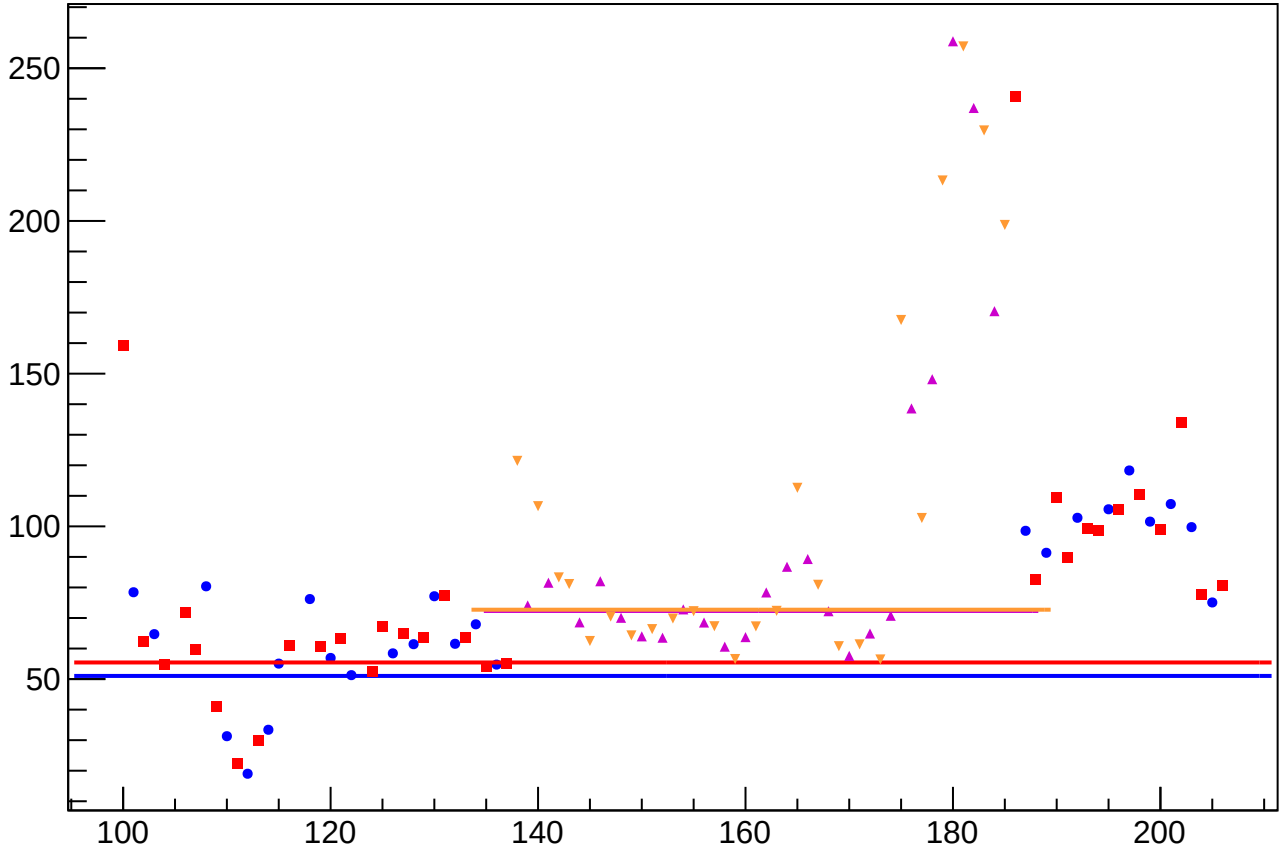
Right: 0.008+/-0.011 χ^2/NDF: 70.7/55

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.004+/-0.008 χ^2/NDF: 117.2/103

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

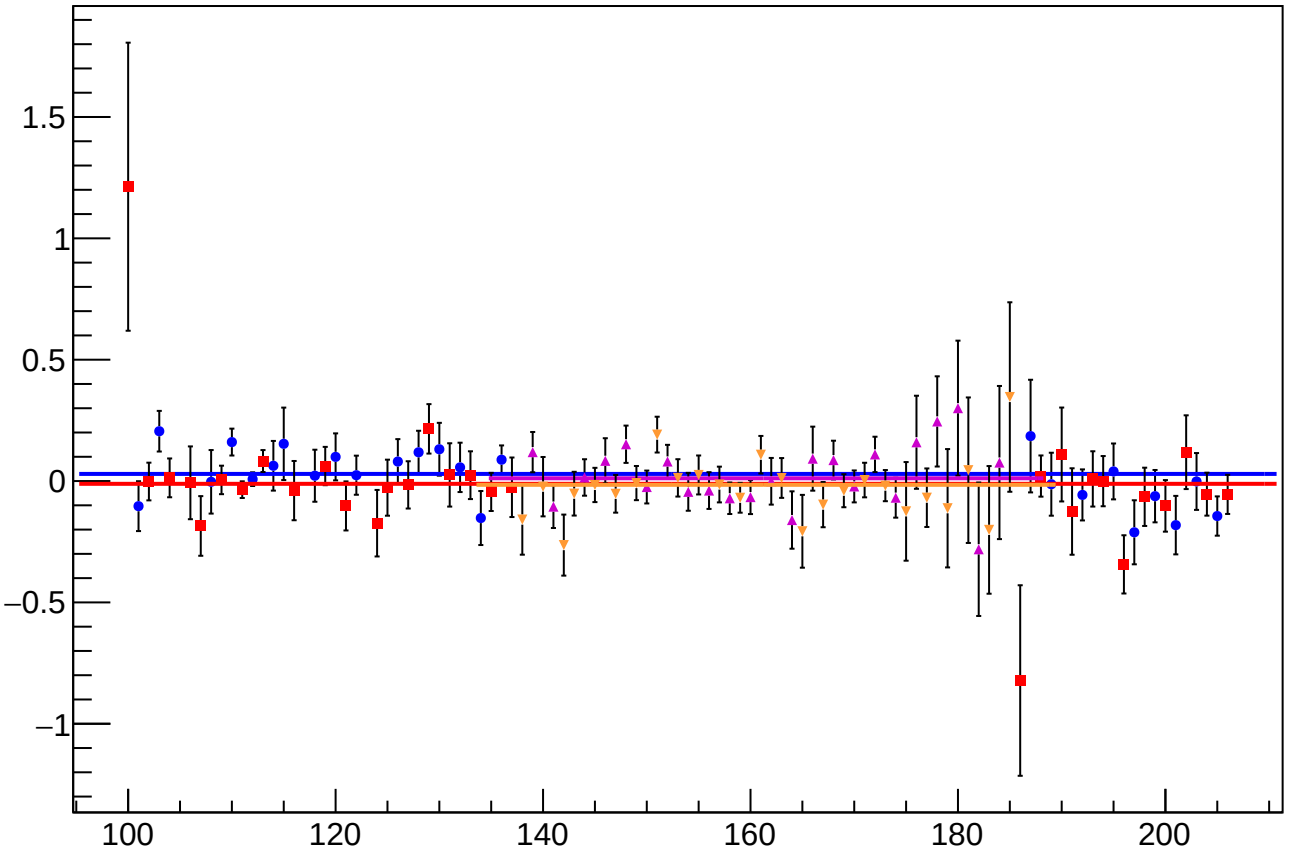
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 53.289+/-0.008 χ^2/NDF: 13129622.2/55

In: 60.350+/-0.009 χ^2/NDF:10992131.3/47

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 61.673+/-0.006 χ^2/NDF: 22423065.8/103



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

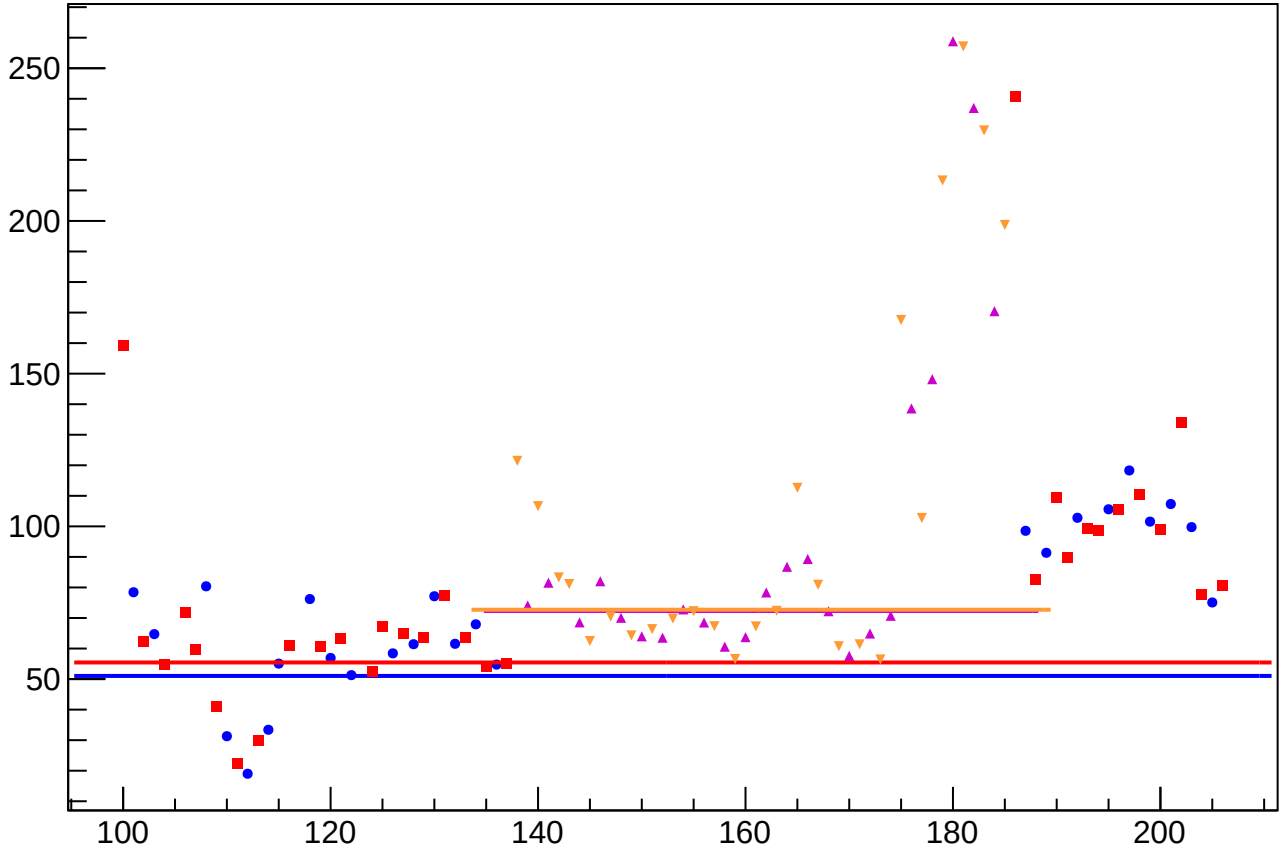
Right: 0.008+/-0.011 χ^2/NDF: 70.7/55

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.004+/-0.008 χ^2/NDF: 117.2/103

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

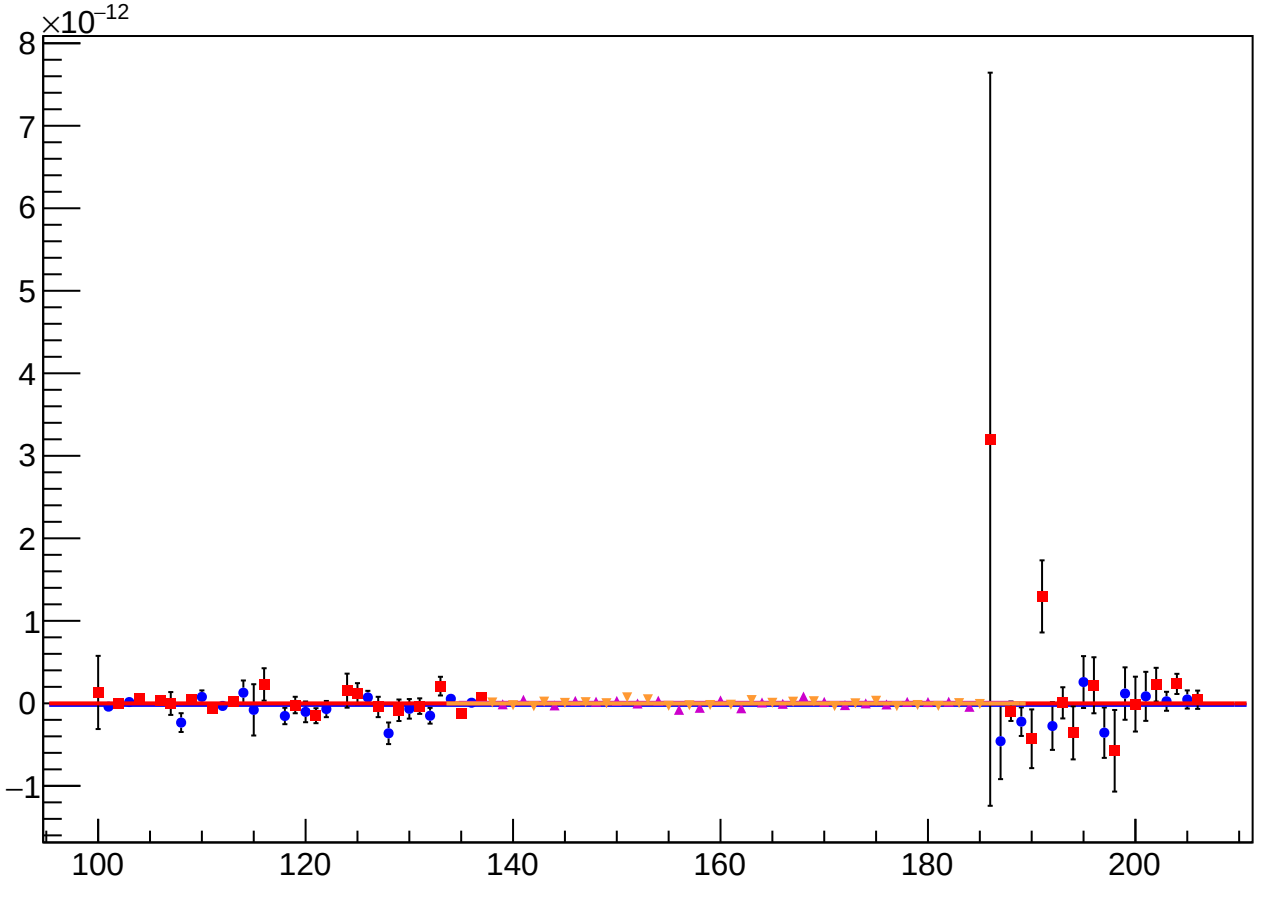
Right: 53.289+/-0.008 χ^2/NDF: 13129622.2/55

In: 60.350+/-0.009 χ^2/NDF:10992131.3/47

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 61.673+/-0.006 χ^2/NDF: 22423065.8/103

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/30

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

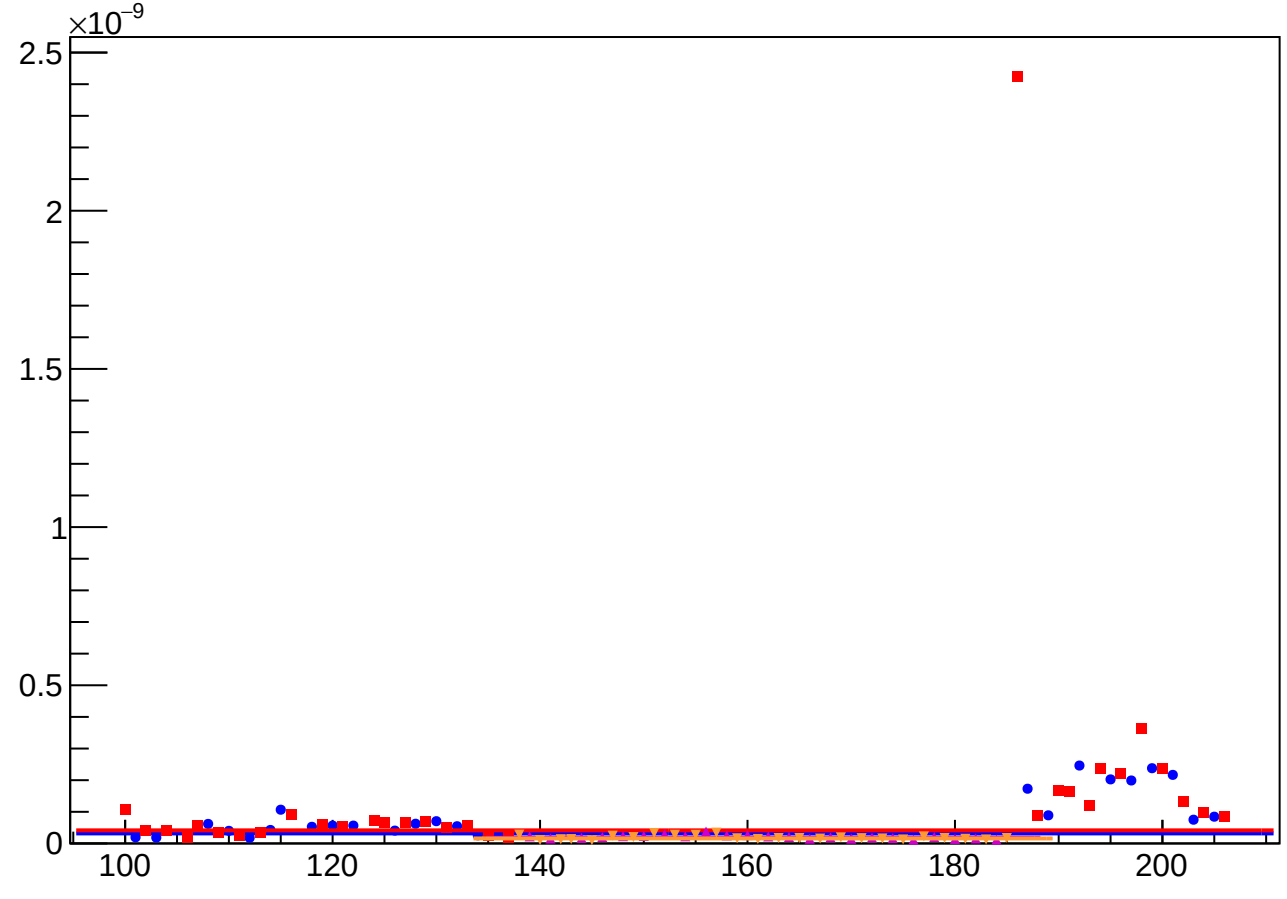
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 72.5/55

In: 0.000+/-0.000 χ^2/NDF:69.9/47

Out: -0.000+/-0.000 χ^2/NDF:70.8/55

All: 0.000+/-0.000 χ^2/NDF: 141.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 7030814.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7603807.4/30

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

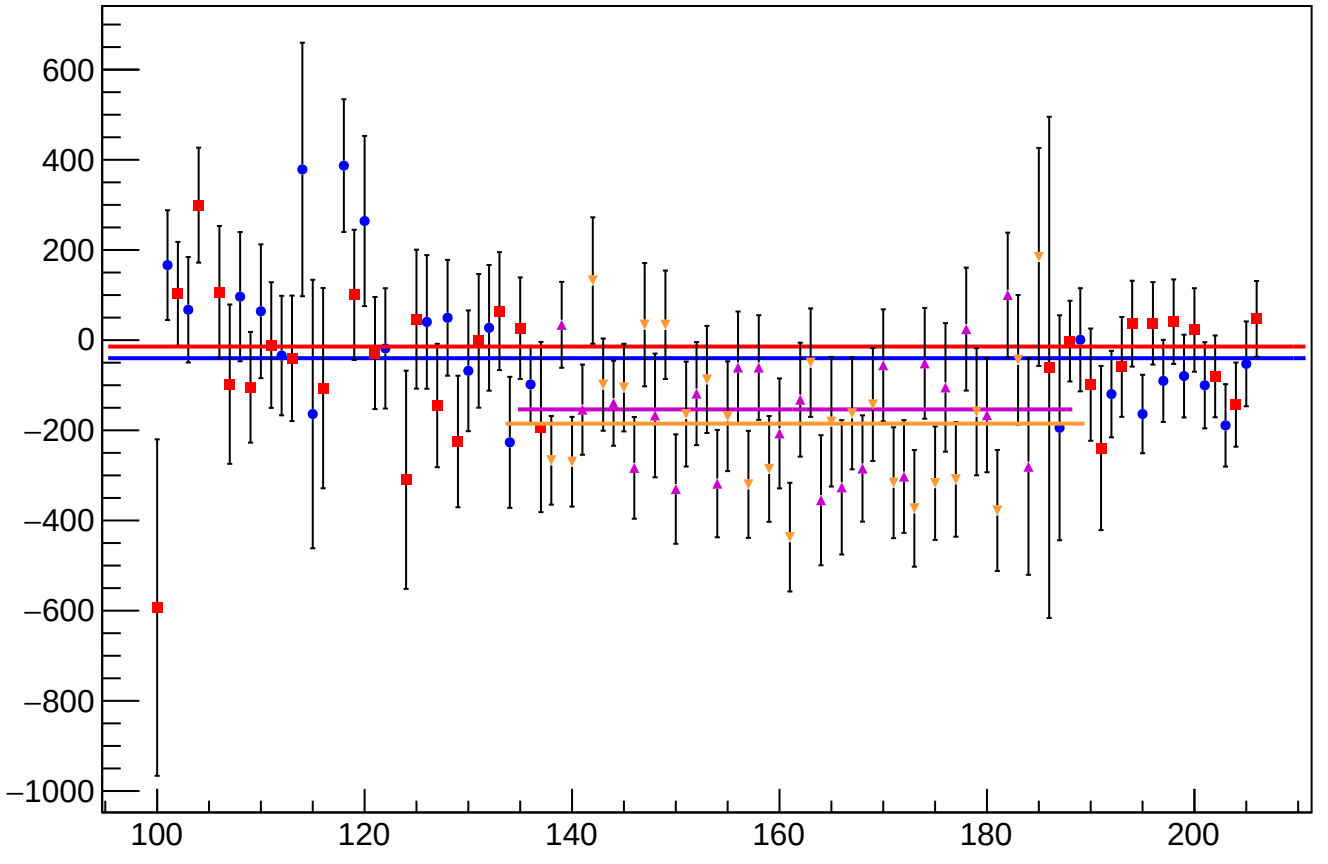
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15041063.8/55

In: 0.000+/-0.000 χ^2/NDF:10294158.9/47

Out: 0.000+/-0.000 χ^2/NDF:14634603.0/55

All: 0.000+/-0.000 χ^2/NDF: 25118110.1/103



Right In: -40.009+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -14.201+/-22.151 χ^2/NDF: 24.1/30

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

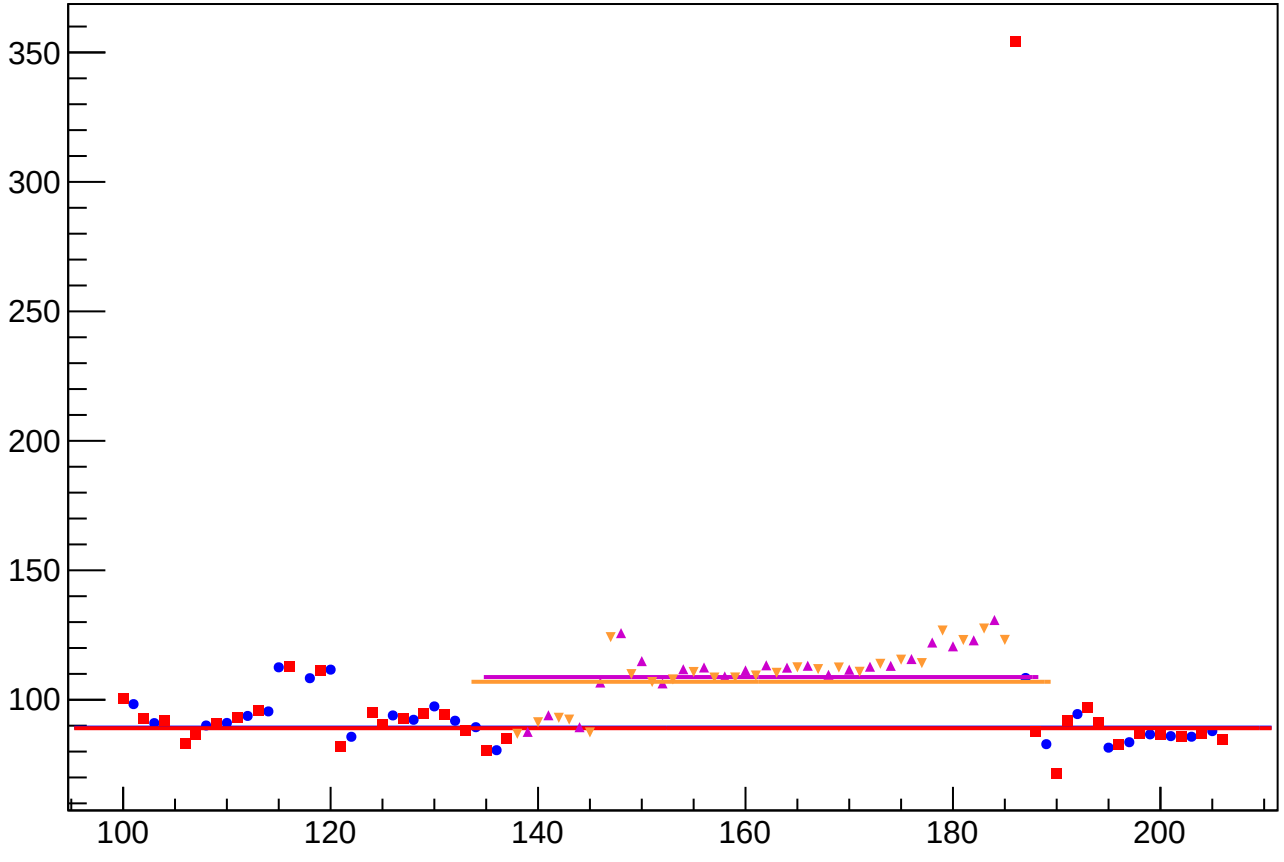
Right: -26.155+/-16.229 χ^2/NDF: 53.2/55

In: -92.931+/-17.429 χ^2/NDF:62.6/47

Out: -91.252+/-16.416 χ^2/NDF:84.0/55

All: -92.041+/-11.950 χ^2/NDF: 146.6/103

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.020+/-0.016 χ^2/NDF: 643041.9/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

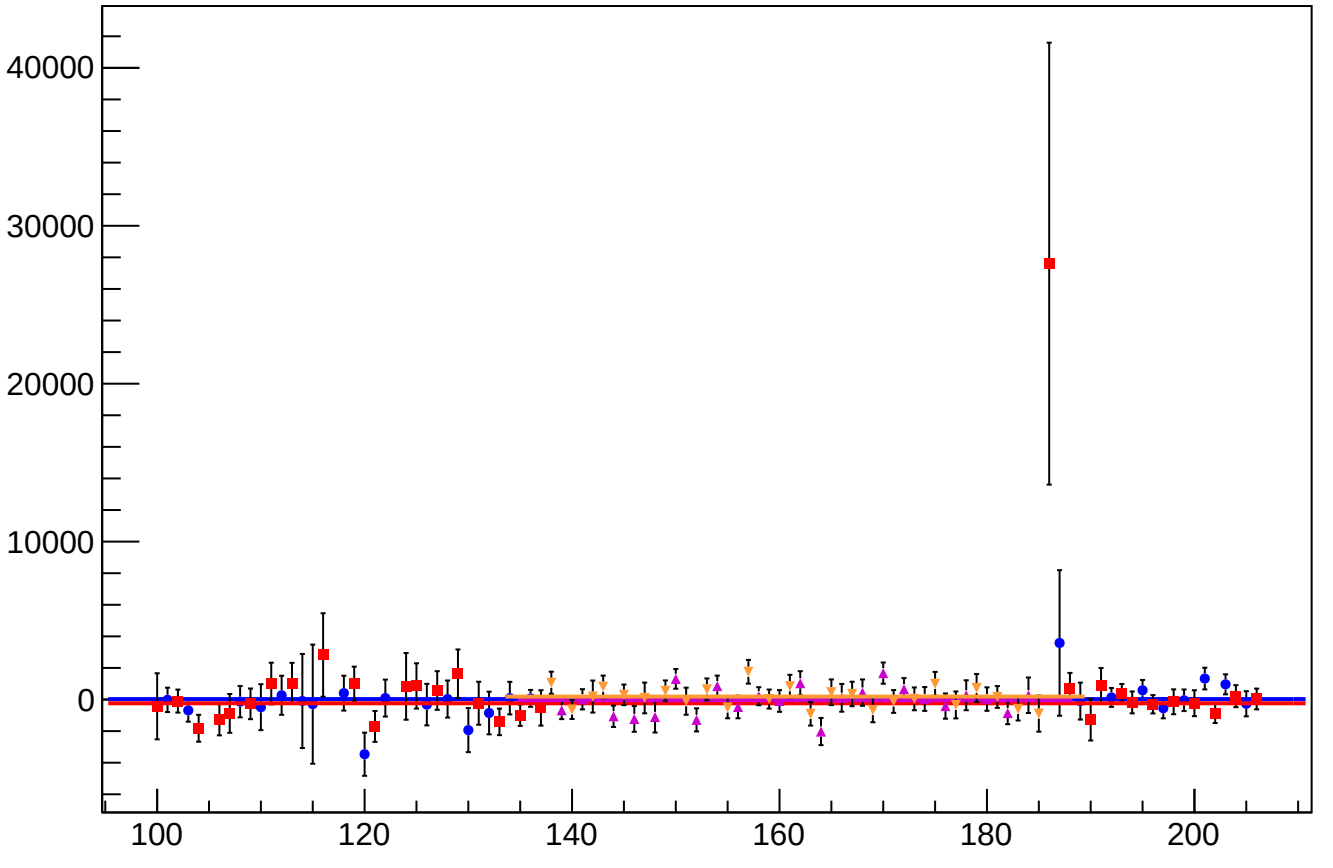
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.132+/-0.011 χ^2/NDF: 820784.6/55

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.103+/-0.012 χ^2/NDF:1698225.2/55

All: 97.691+/-0.008 χ^2/NDF: 2863912.9/103



Right In: 27.404+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.835+/-164.978 χ^2/NDF: 27.1/30

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

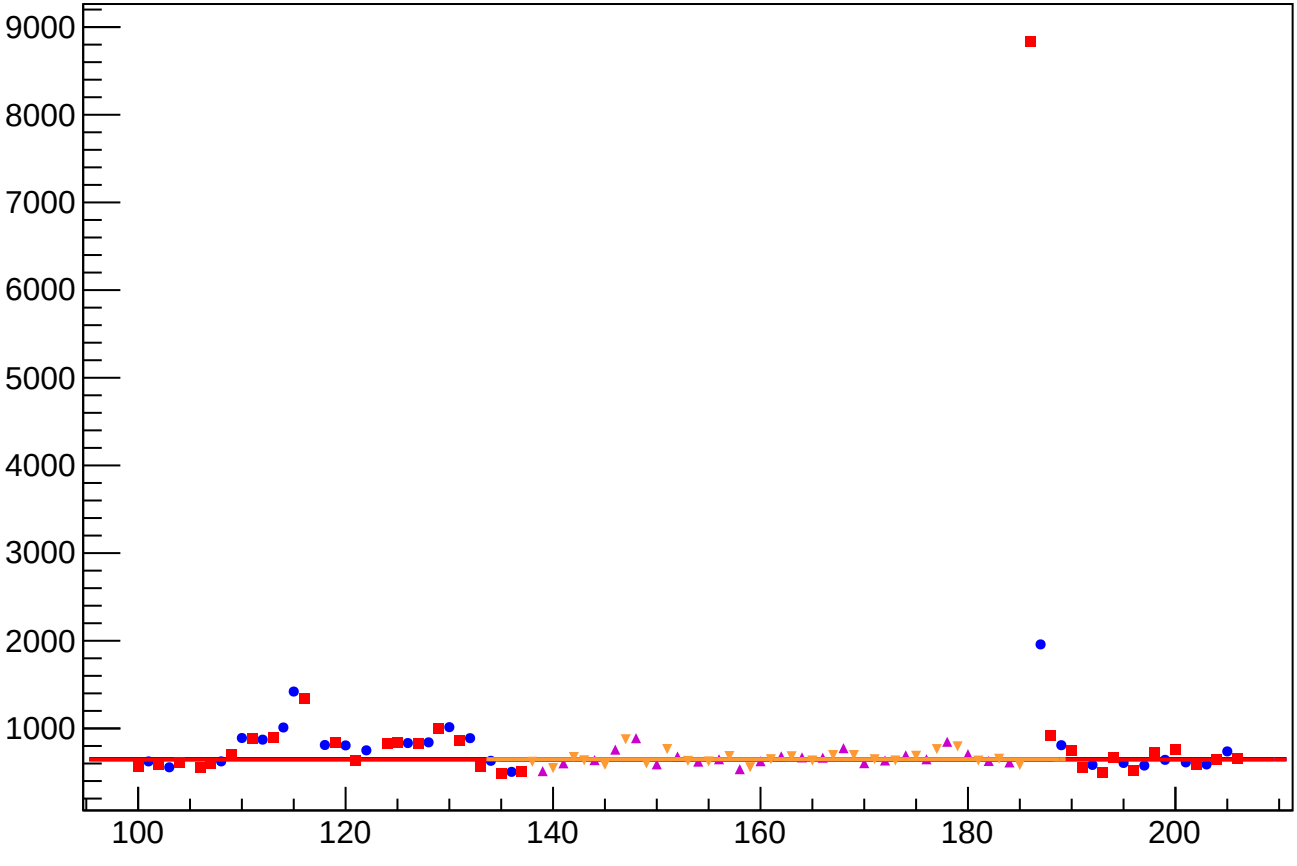
Right: -115.402+/-121.055 χ^2/NDF: 46.7/55

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -3.899+/-110.504 χ^2/NDF:49.8/55

All: -8.469+/-79.900 χ^2/NDF: 102.1/103

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099119.4/24

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.779+/-0.117 χ^2/NDF: 1966867.6/30

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

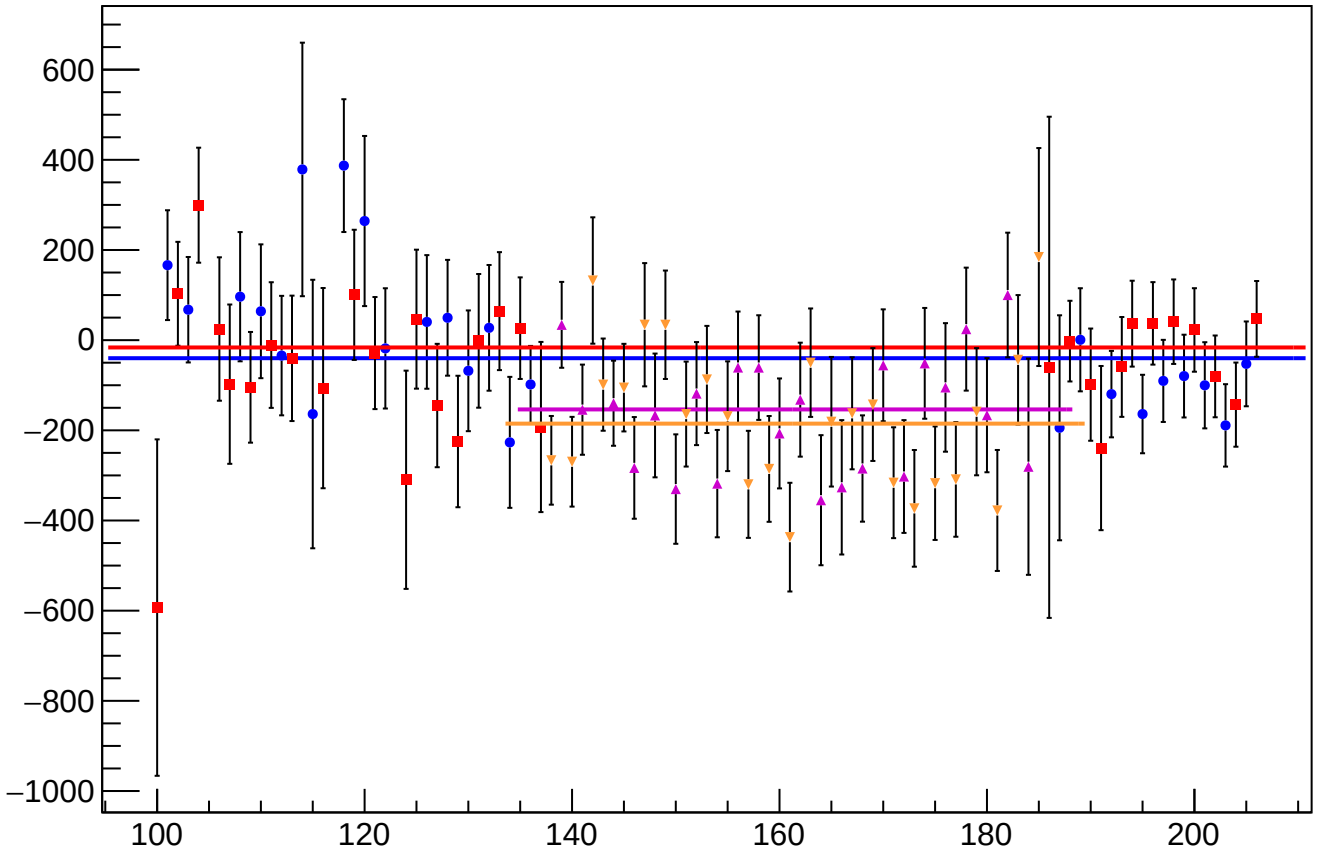
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 647.163+/-0.086 χ^2/NDF: 3067809.8/55

In: 647.038+/-0.082 χ^2/NDF:1660044.8/47

Out: 646.762+/-0.078 χ^2/NDF:2386417.9/55

All: 646.894+/-0.056 χ^2/NDF: 4046468.7/103



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -16.201+/-22.188 χ^2/NDF: 23.5/30

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

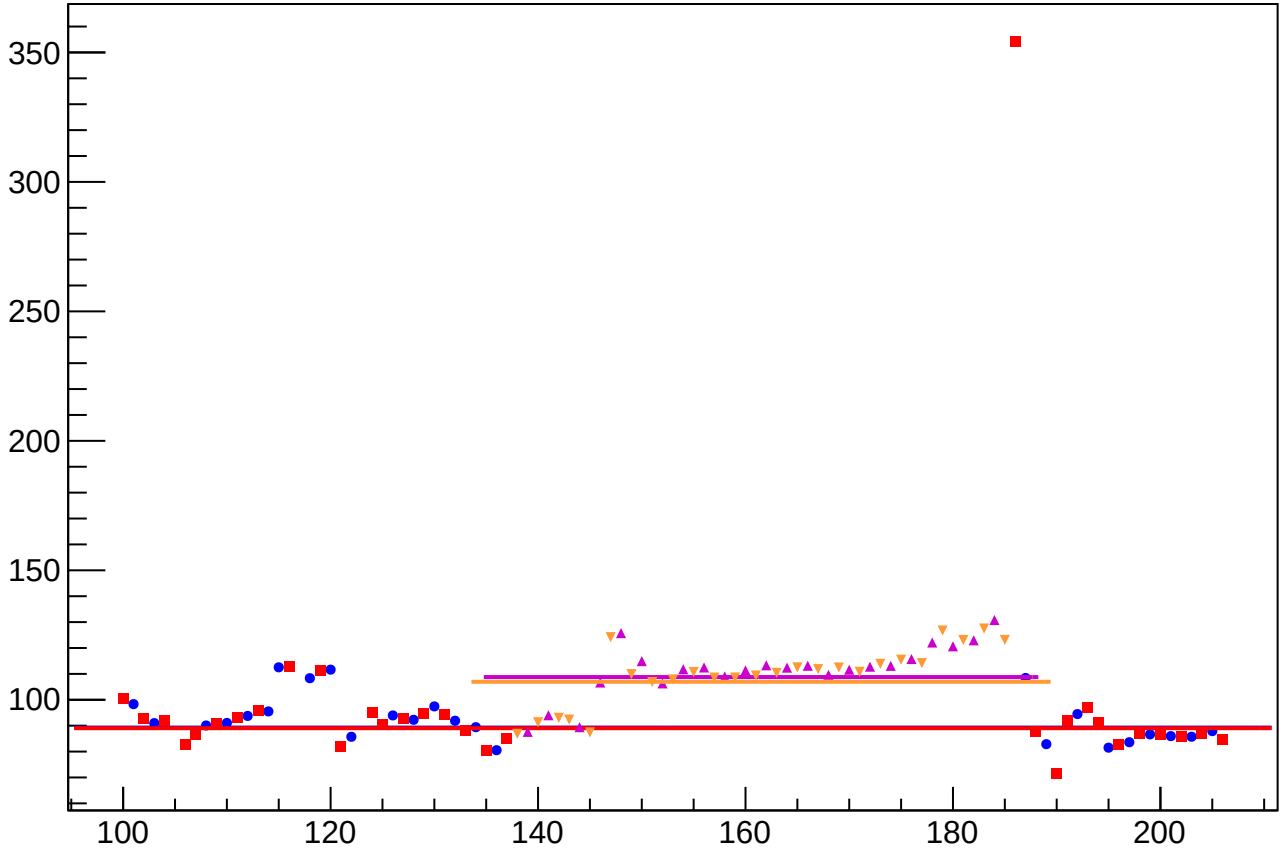
Right: -27.246+/-16.244 χ^2/NDF: 52.5/55

In: -92.930+/-17.429 χ^2/NDF:62.6/47

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -92.698+/-11.956 χ^2/NDF: 145.3/103

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

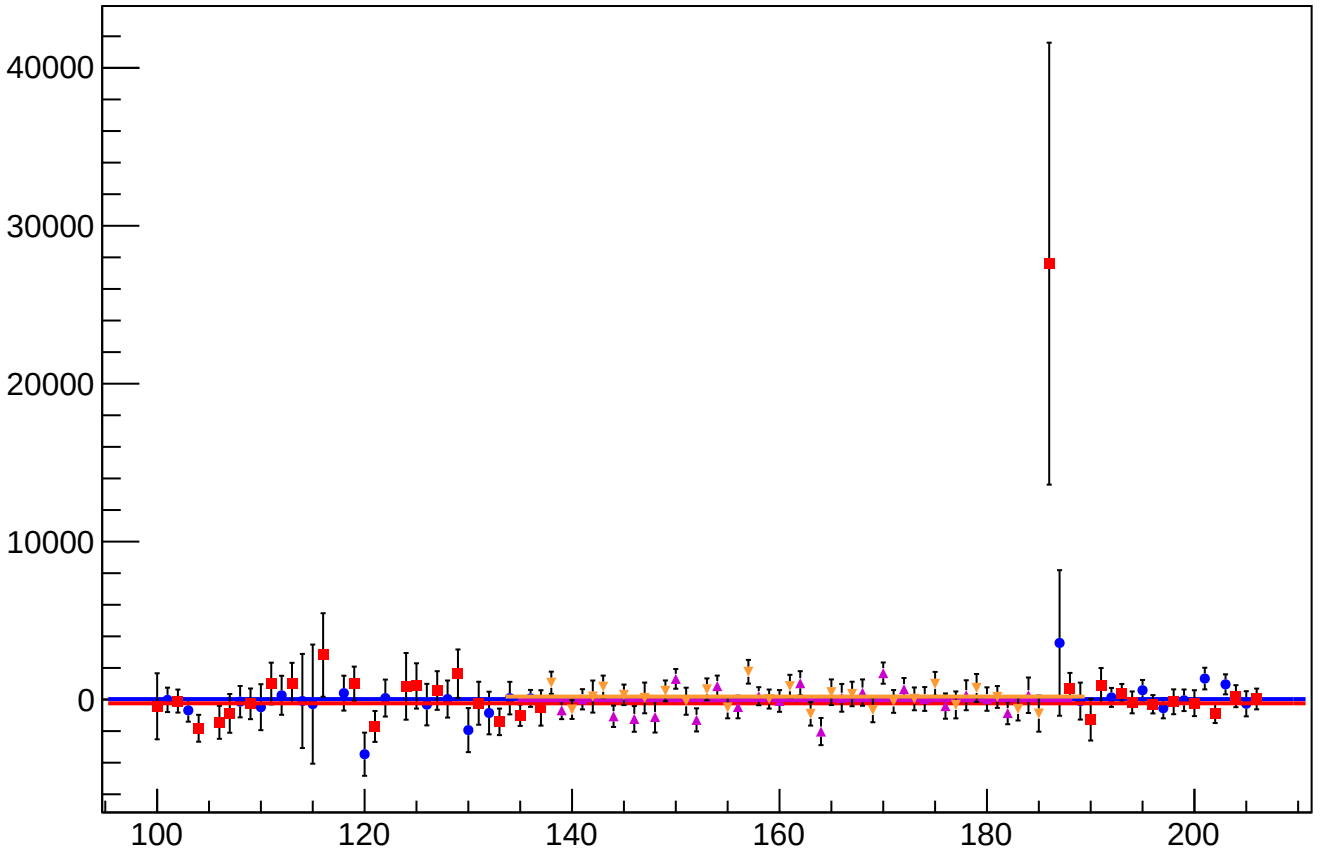
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.137+/-0.011 χ^2/NDF: 820839.0/55

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.702+/-0.008 χ^2/NDF: 2862303.2/103



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.846+/-165.219 χ^2/NDF: 27.3/30

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

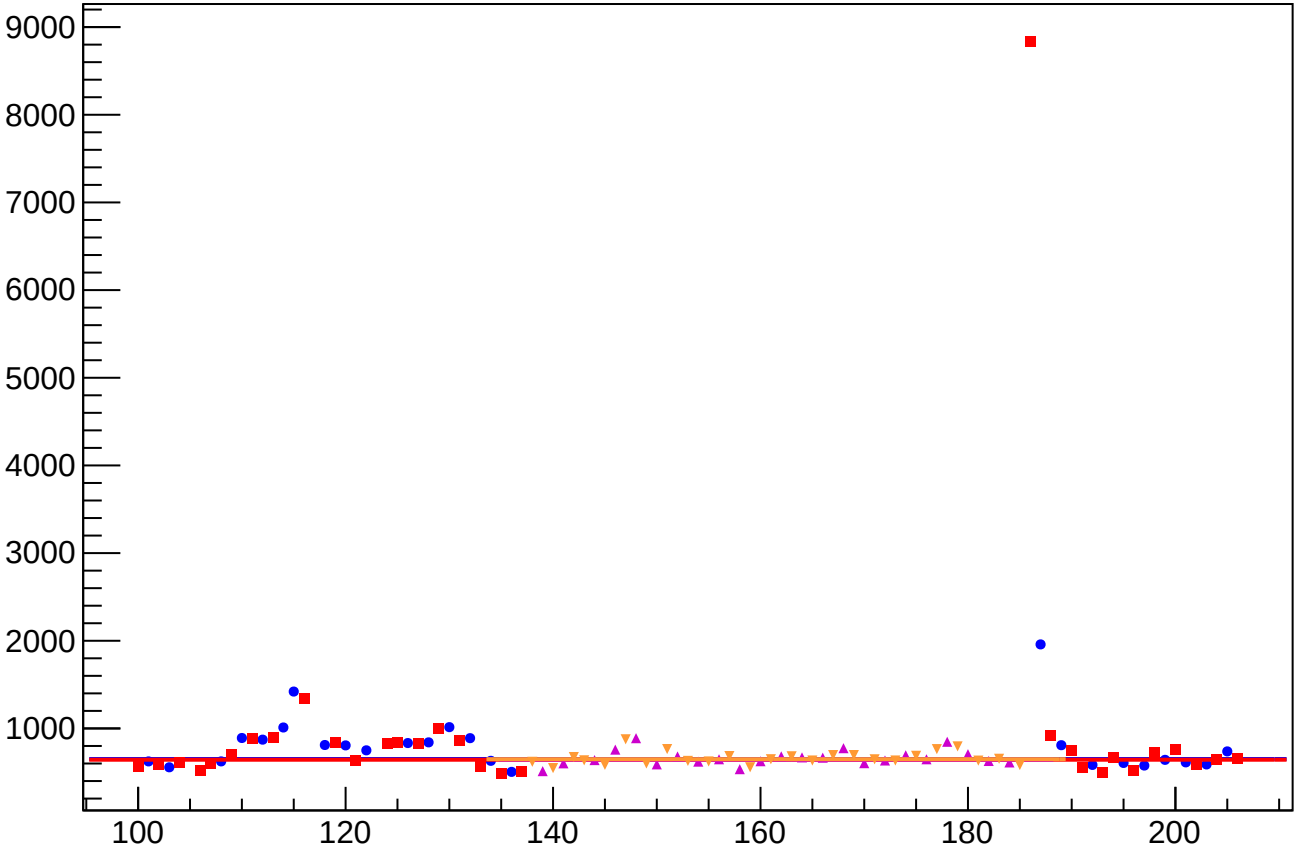
Right: -115.753+/-121.149 χ^2/NDF: 47.0/55

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -8.551+/-79.927 χ^2/NDF: 102.3/103

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

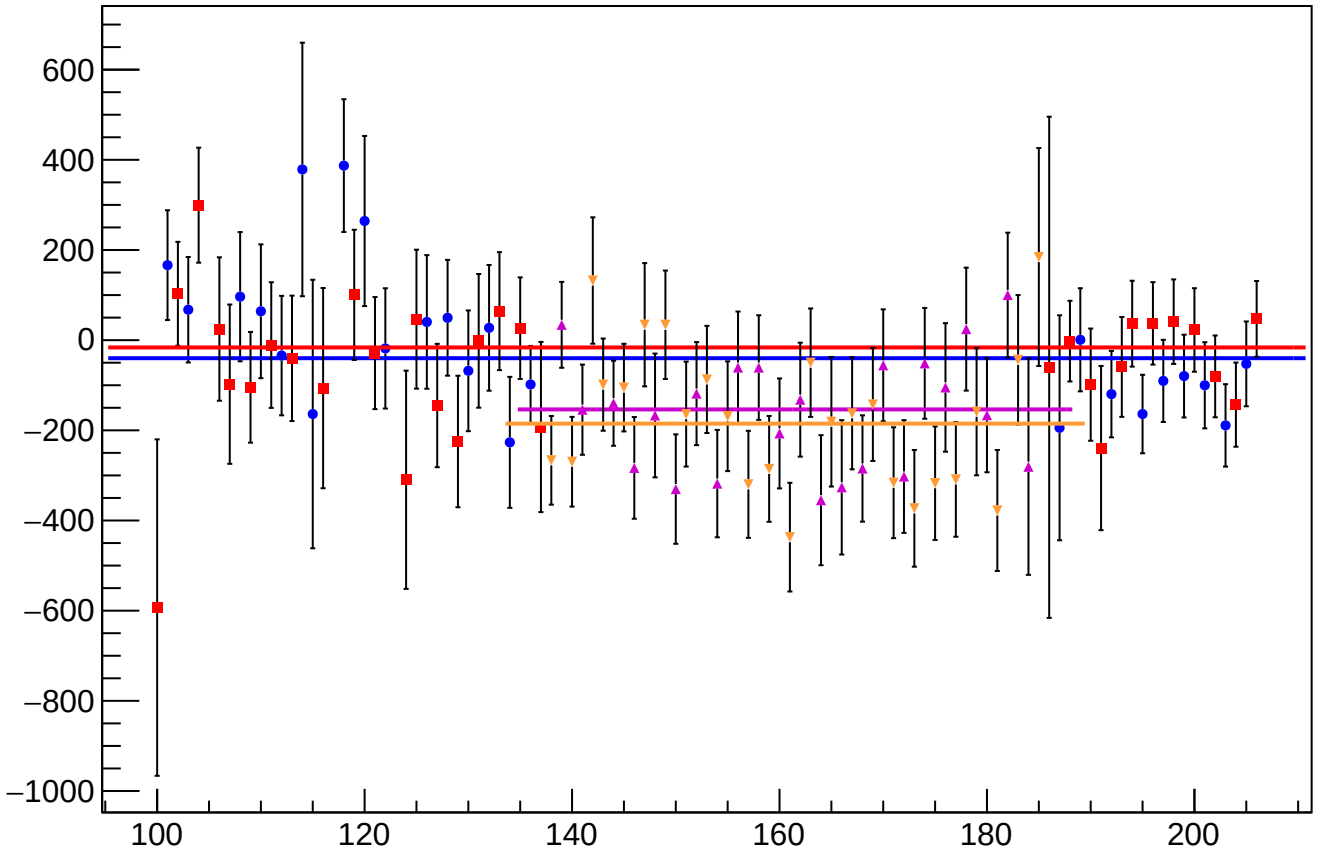
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.939+/-0.086 χ^2/NDF: 3077145.9/55

In: 647.038+/-0.082 χ^2/NDF:1660046.4/47

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 646.796+/-0.057 χ^2/NDF: 4055794.0/103



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -16.201+/-22.188 χ^2/NDF: 23.5/30

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

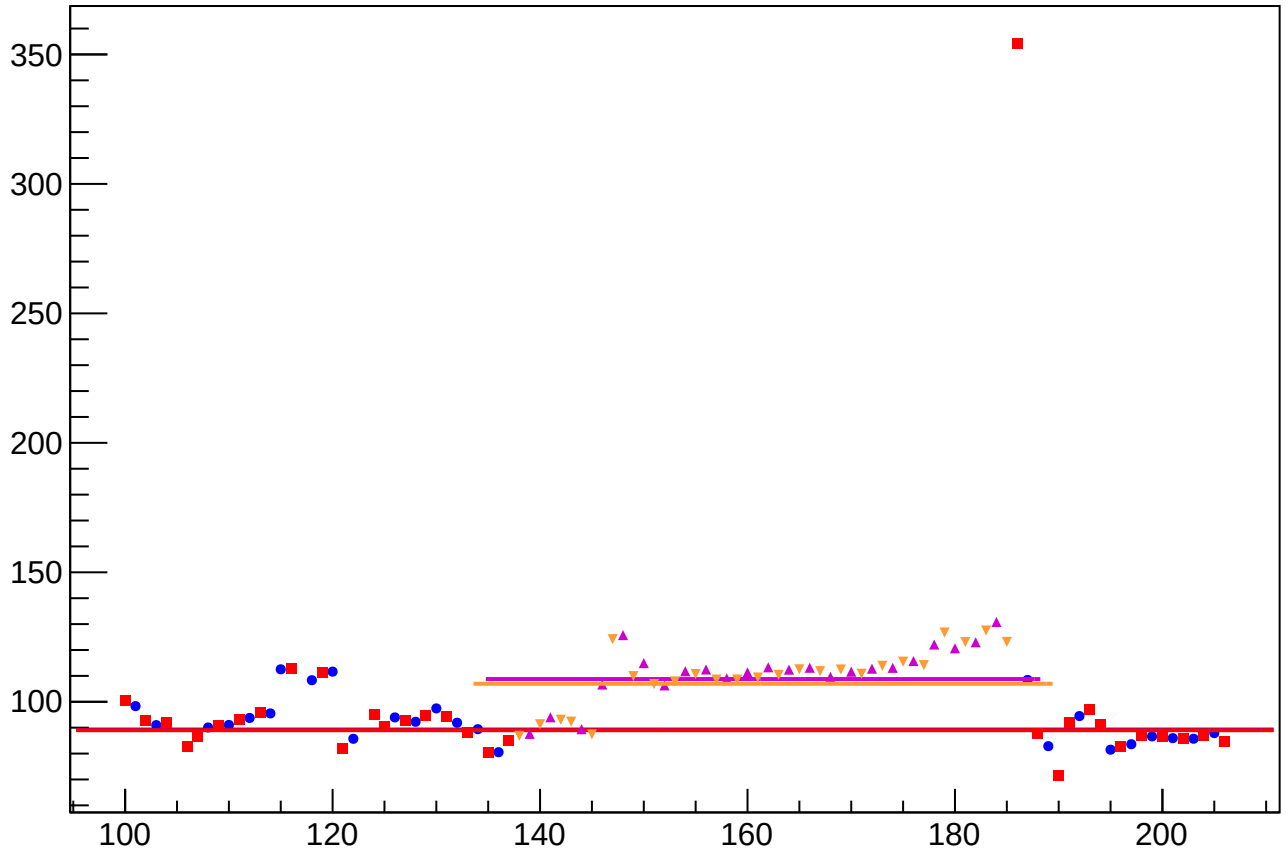
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -27.246+/-16.244 χ^2/NDF: 52.5/55

In: -92.930+/-17.429 χ^2/NDF:62.6/47

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -92.698+/-11.956 χ^2/NDF: 145.3/103



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

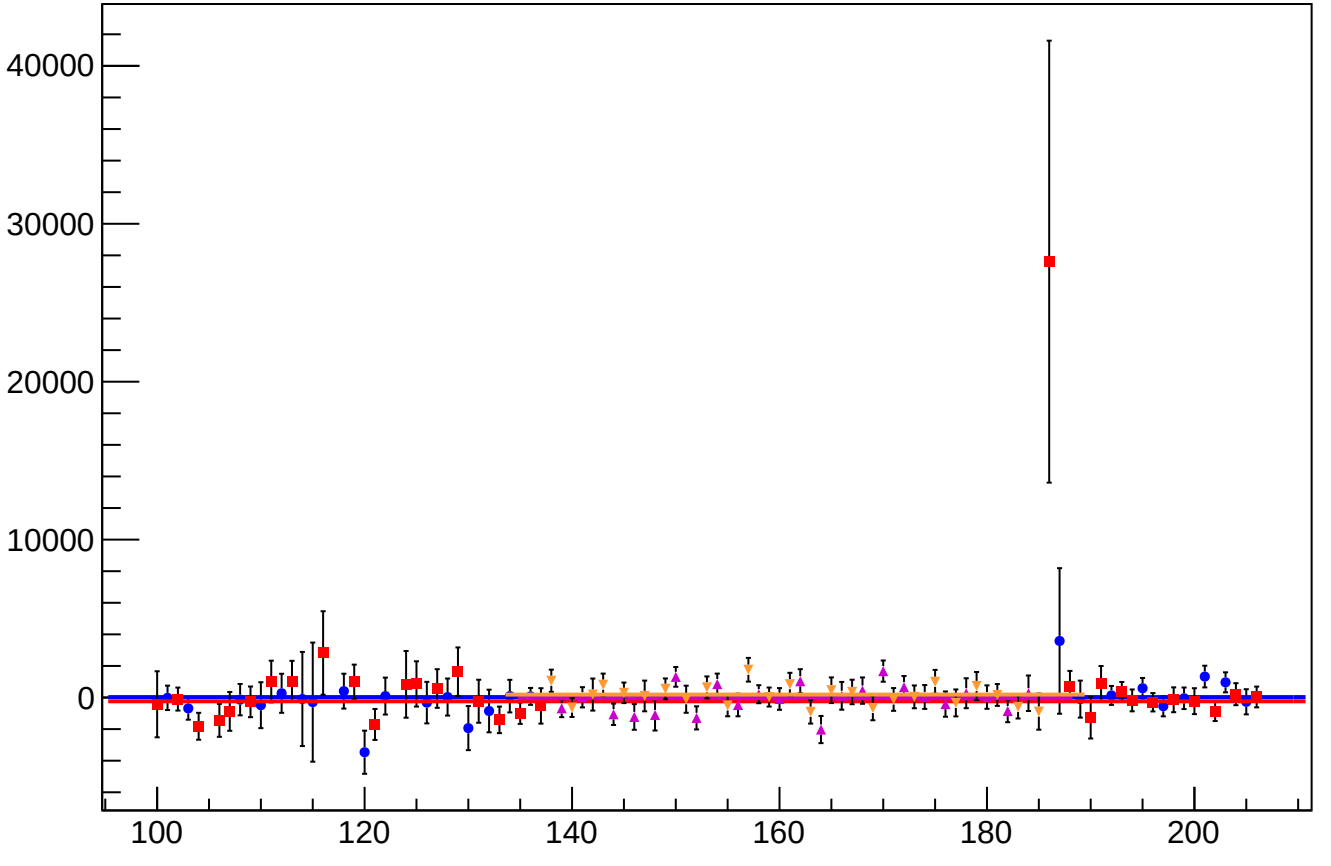
Right: 89.137+/-0.011 χ^2/NDF: 820839.0/55

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.702+/-0.008 χ^2/NDF: 2862303.2/103

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.846+/-165.219 χ^2/NDF: 27.3/30

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

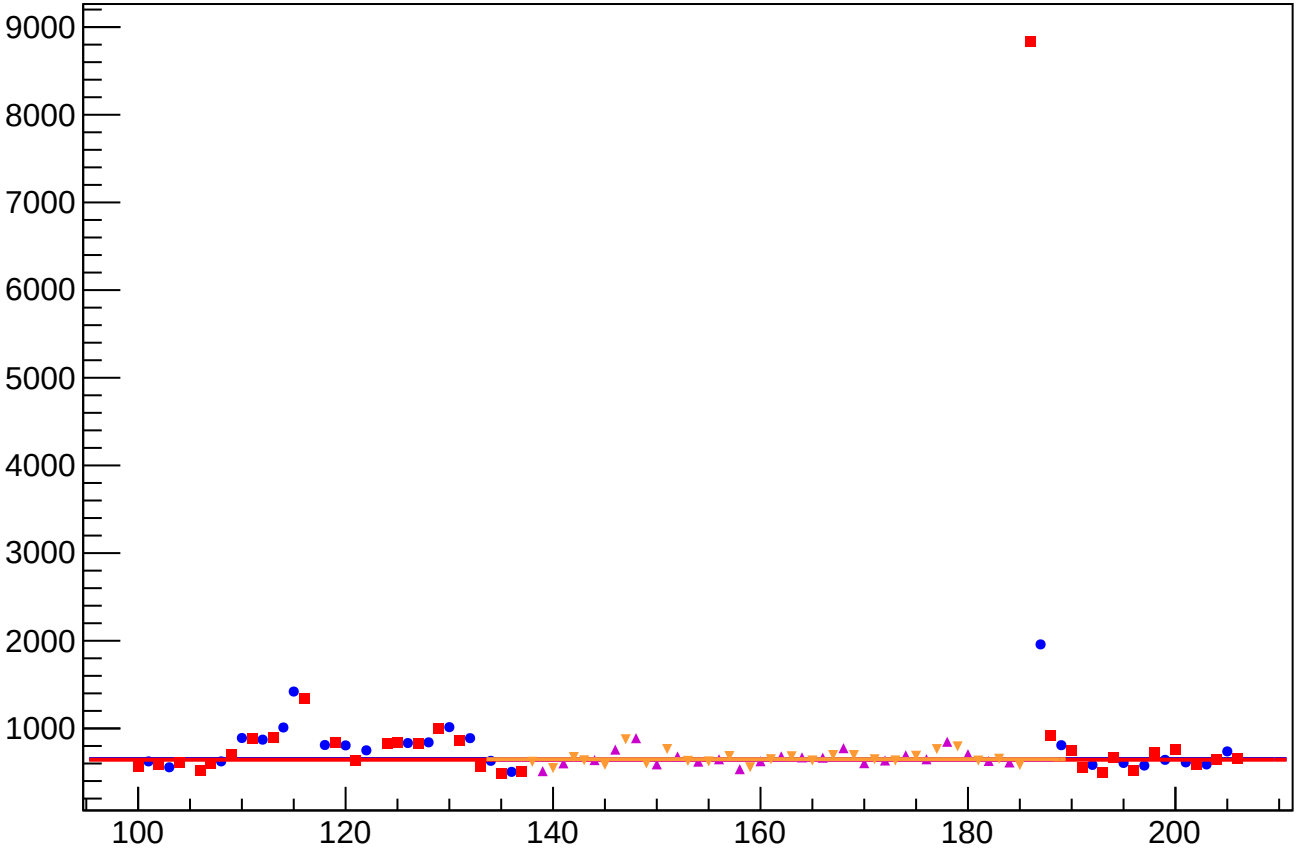
Right: -115.753+/-121.149 χ^2/NDF: 47.0/55

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -8.551+/-79.927 χ^2/NDF: 102.3/103

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

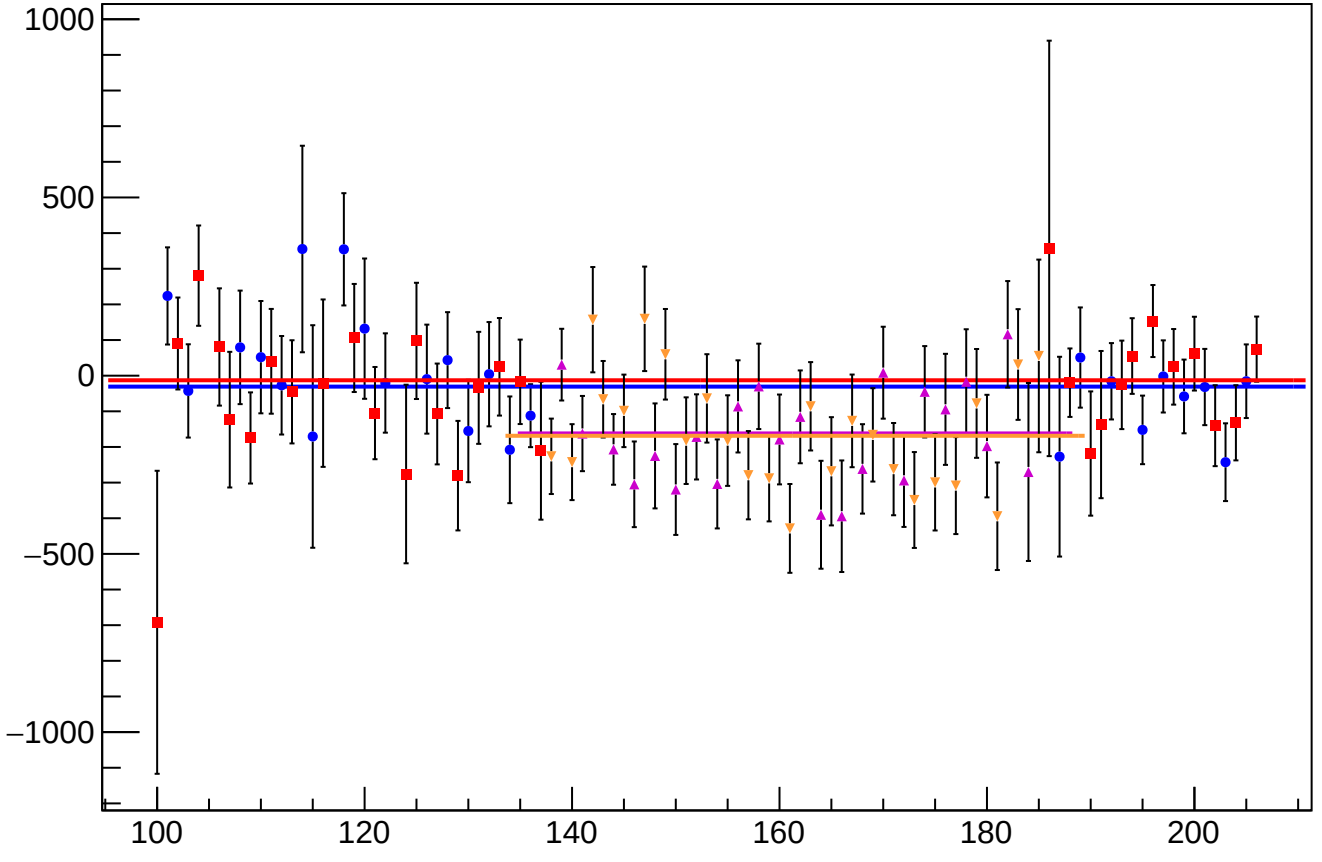
Right: 646.939+/-0.086 χ^2/NDF: 3077145.9/55

In: 647.038+/-0.082 χ^2/NDF:1660046.4/47

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 646.796+/-0.057 χ^2/NDF: 4055794.0/103

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.892+/-24.369 χ^2/NDF: 26.7/30

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

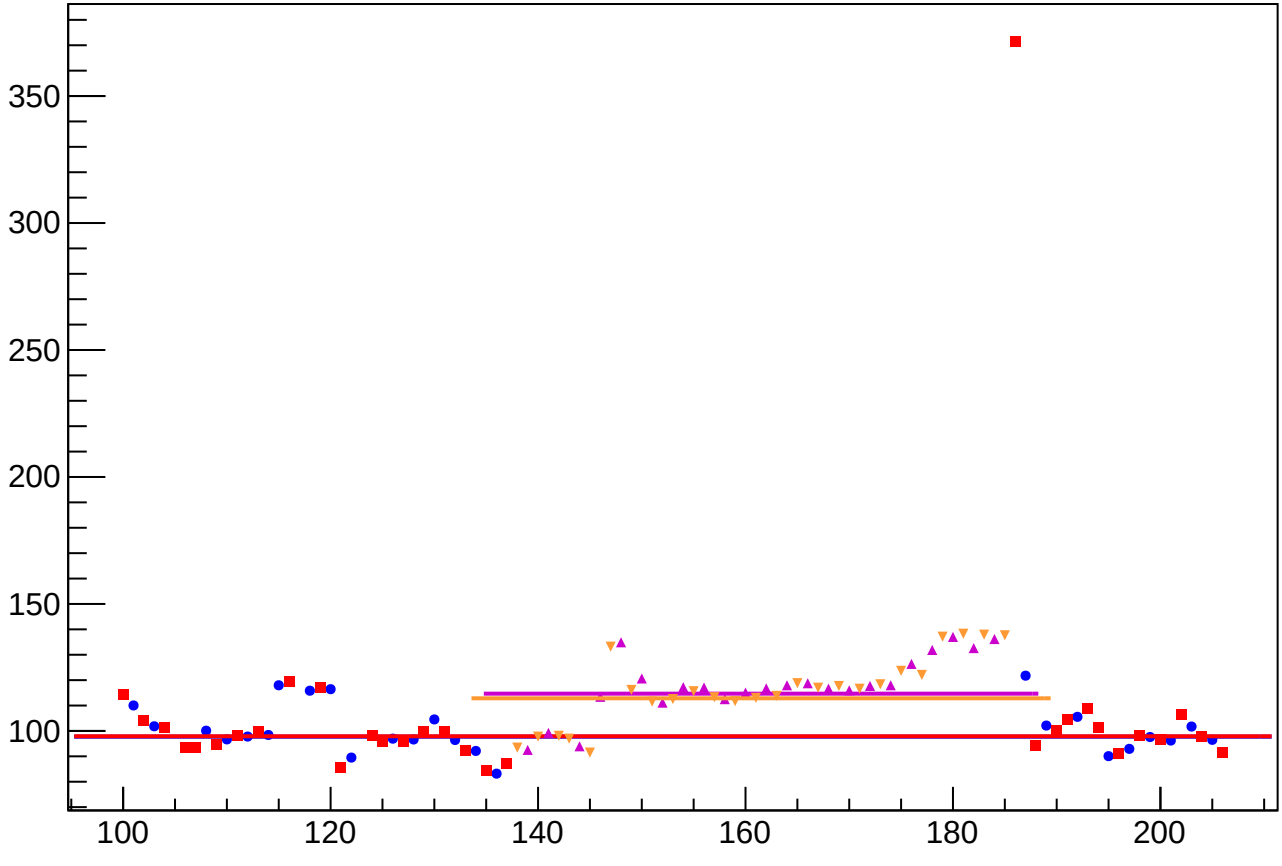
Right: -21.170+/-17.820 χ^2/NDF: 49.6/55

In: -94.322+/-18.757 χ^2/NDF:58.5/47

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -90.066+/-12.882 χ^2/NDF: 136.9/103

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.737+/-0.018 χ^2/NDF: 188500.1/24

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609583.3/30

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

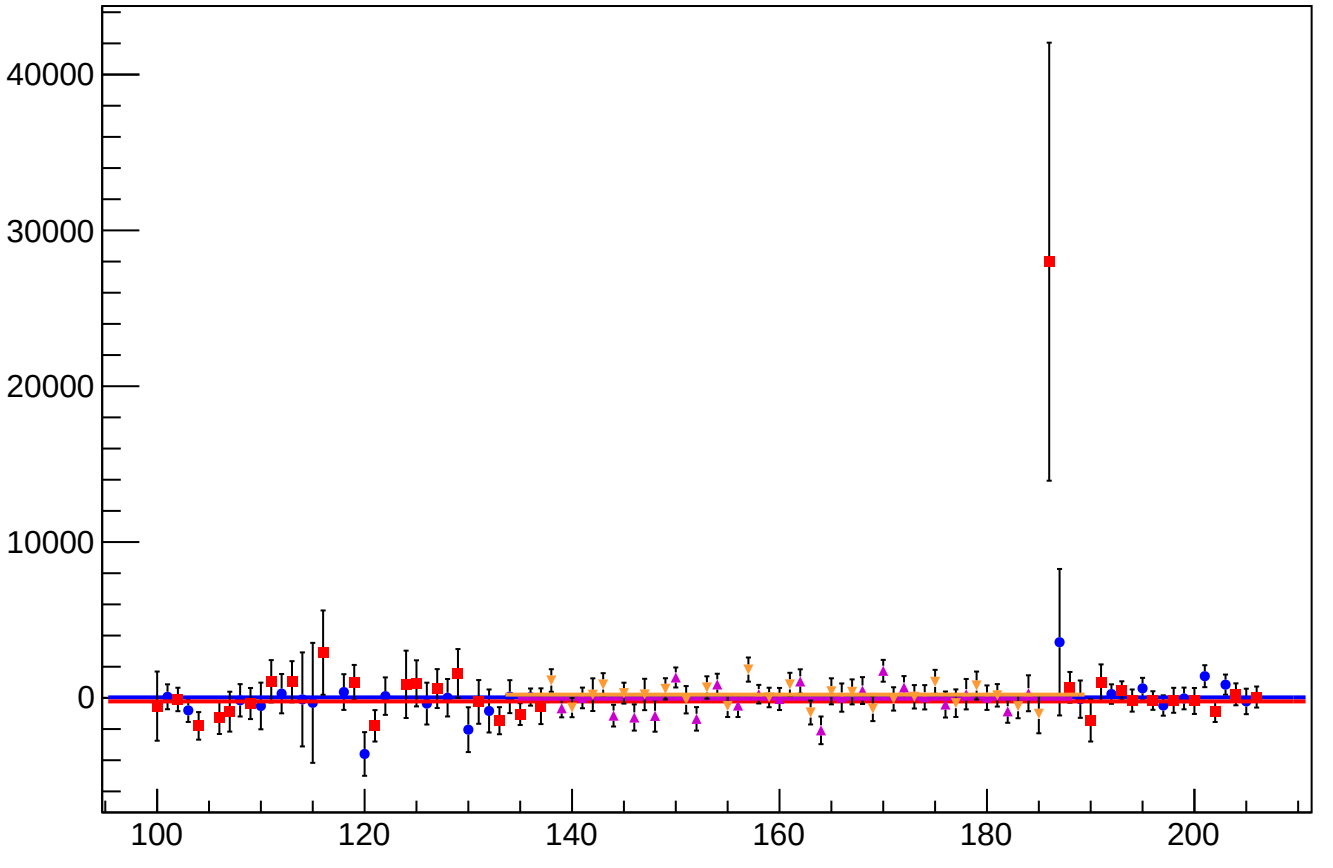
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.822+/-0.013 χ^2/NDF: 798123.5/55

In: 105.945+/-0.013 χ^2/NDF:1005860.3/47

Out: 104.941+/-0.013 χ^2/NDF:1476600.2/55

All: 105.415+/-0.009 χ^2/NDF: 2485482.6/103



Right In: 31.839+/-183.204 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -226.370+/-170.203 χ^2/NDF: 27.0/30

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

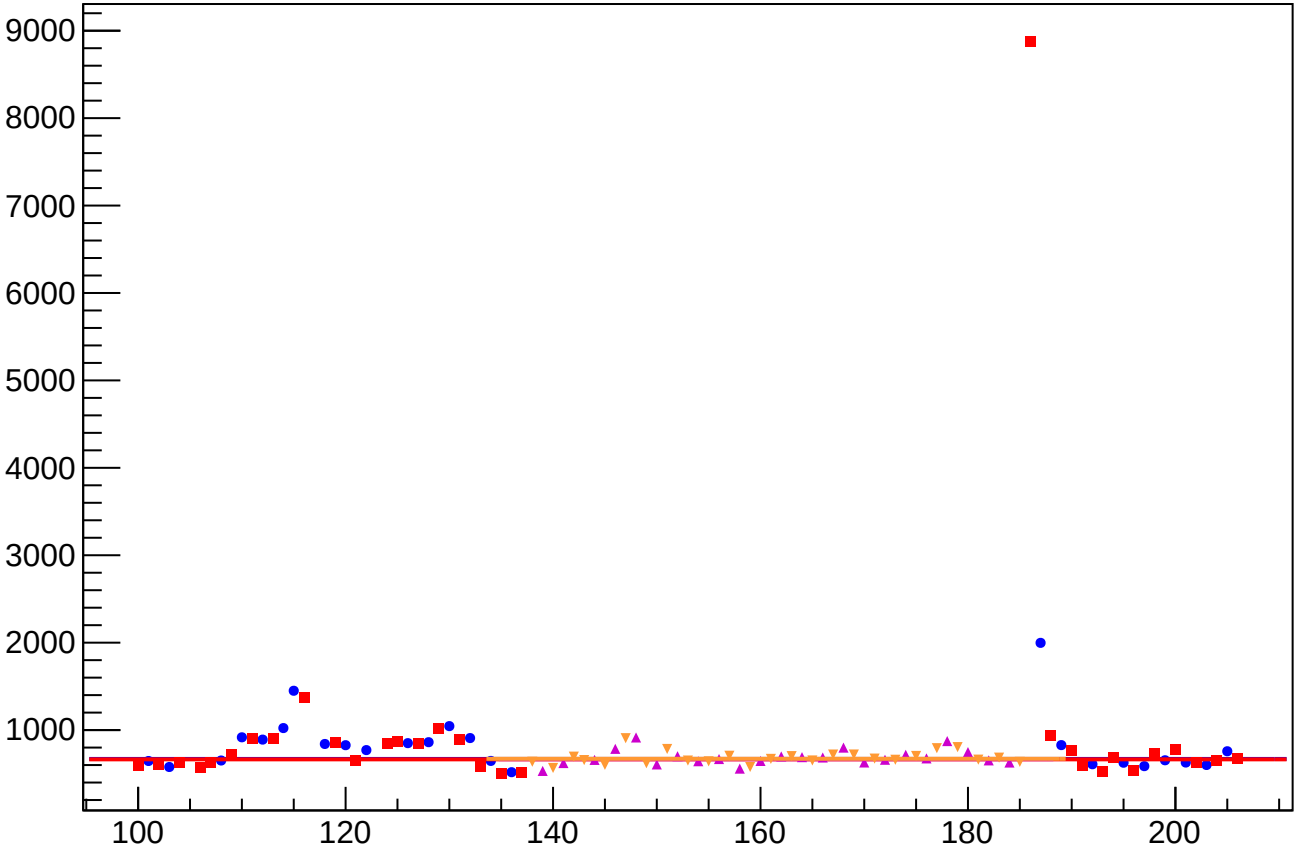
Right: -106.751+/-124.695 χ^2/NDF: 46.4/55

In: -15.376+/-119.425 χ^2/NDF:51.8/47

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -0.376+/-82.523 χ^2/NDF: 101.3/103

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.7/24

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.262+/-0.120 χ^2/NDF: 1888700.5/30

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

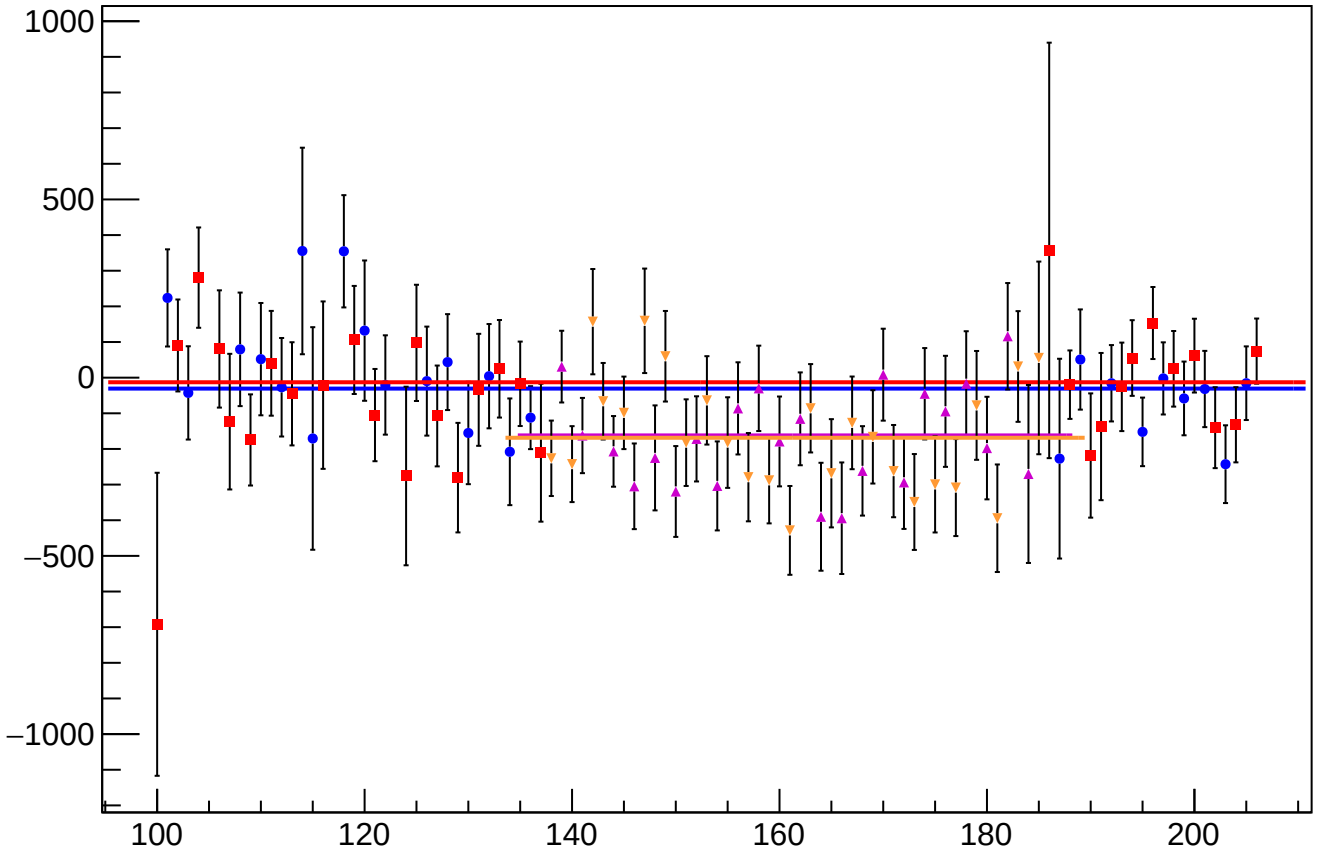
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 667.400+/-0.088 χ^2/NDF: 2975607.1/55

In: 668.418+/-0.084 χ^2/NDF:1633349.5/47

Out: 668.885+/-0.081 χ^2/NDF:2289508.0/55

All: 668.662+/-0.058 χ^2/NDF: 3922873.5/103



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.892+/-24.369 χ^2/NDF: 26.7/30

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

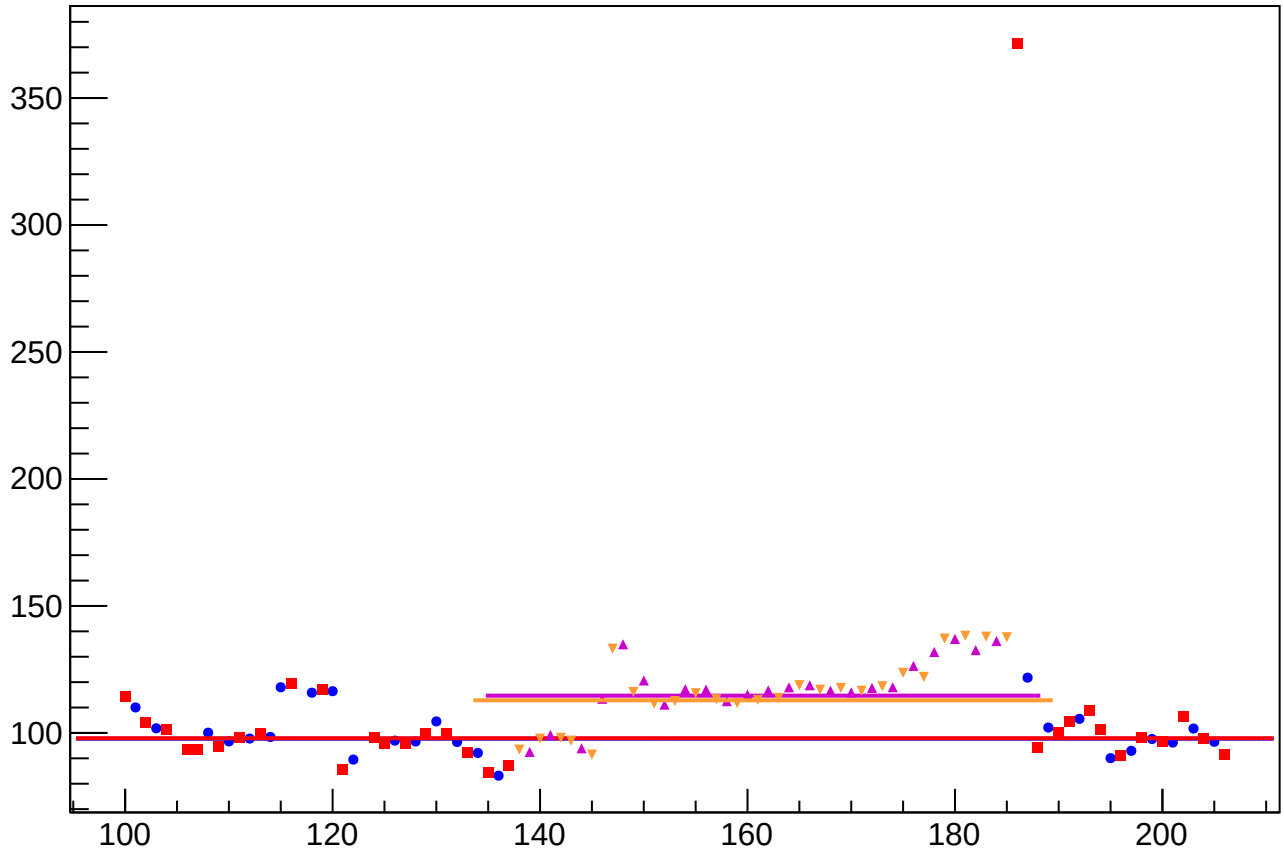
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -21.170+/-17.820 χ^2/NDF: 49.6/55

In: -94.322+/-18.757 χ^2/NDF:58.5/47

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -90.066+/-12.882 χ^2/NDF: 136.9/103



Right In: 97.737+/-0.018 χ^2/NDF: 188503.6/24

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609584.4/30

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

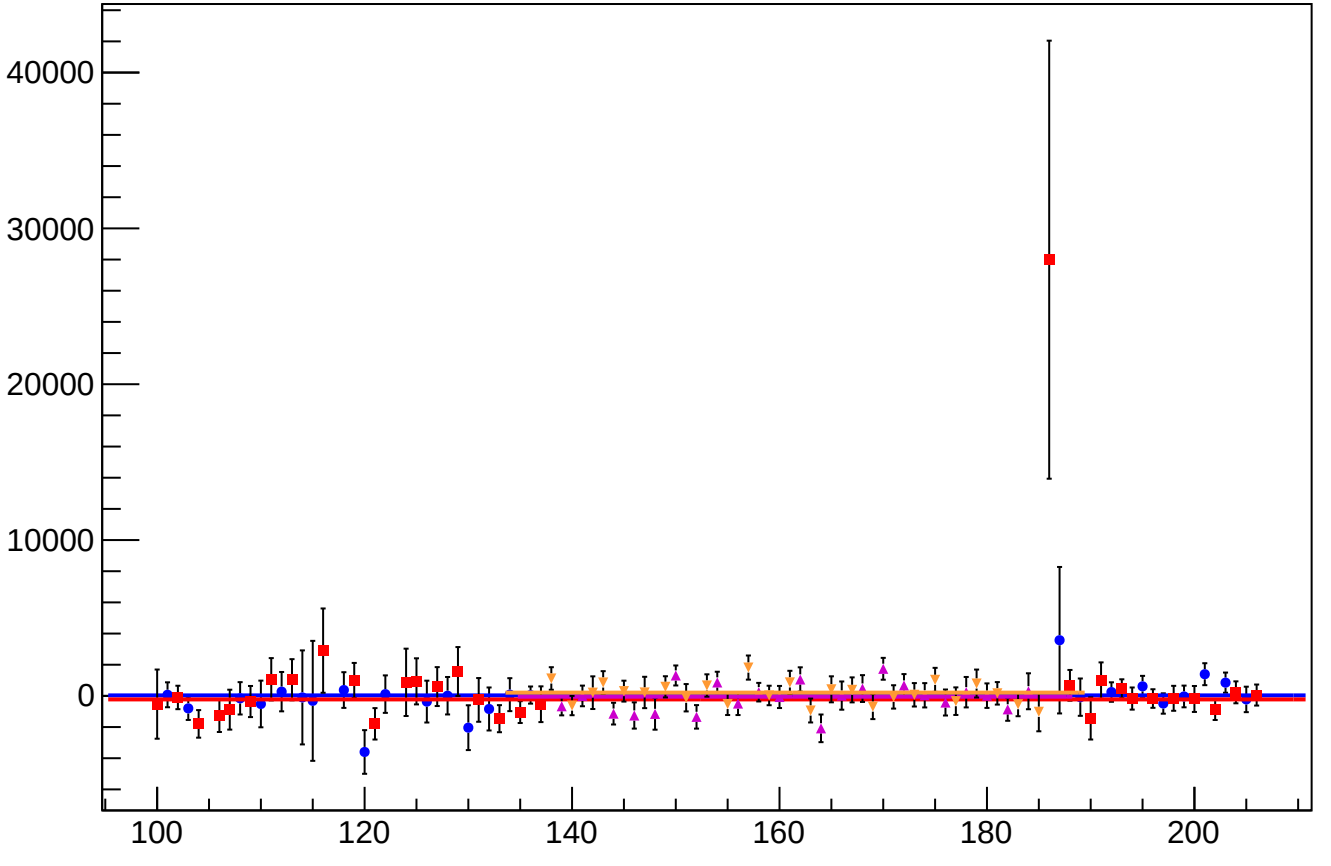
Right: 97.822+/-0.013 χ^2/NDF: 798128.1/55

In: 105.945+/-0.013 χ^2/NDF:1005872.4/47

Out: 104.941+/-0.013 χ^2/NDF:1476602.5/55

All: 105.415+/-0.009 χ^2/NDF: 2485497.0/103

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 31.839+/-183.203 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -226.370+/-170.203 χ^2/NDF: 27.0/30

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

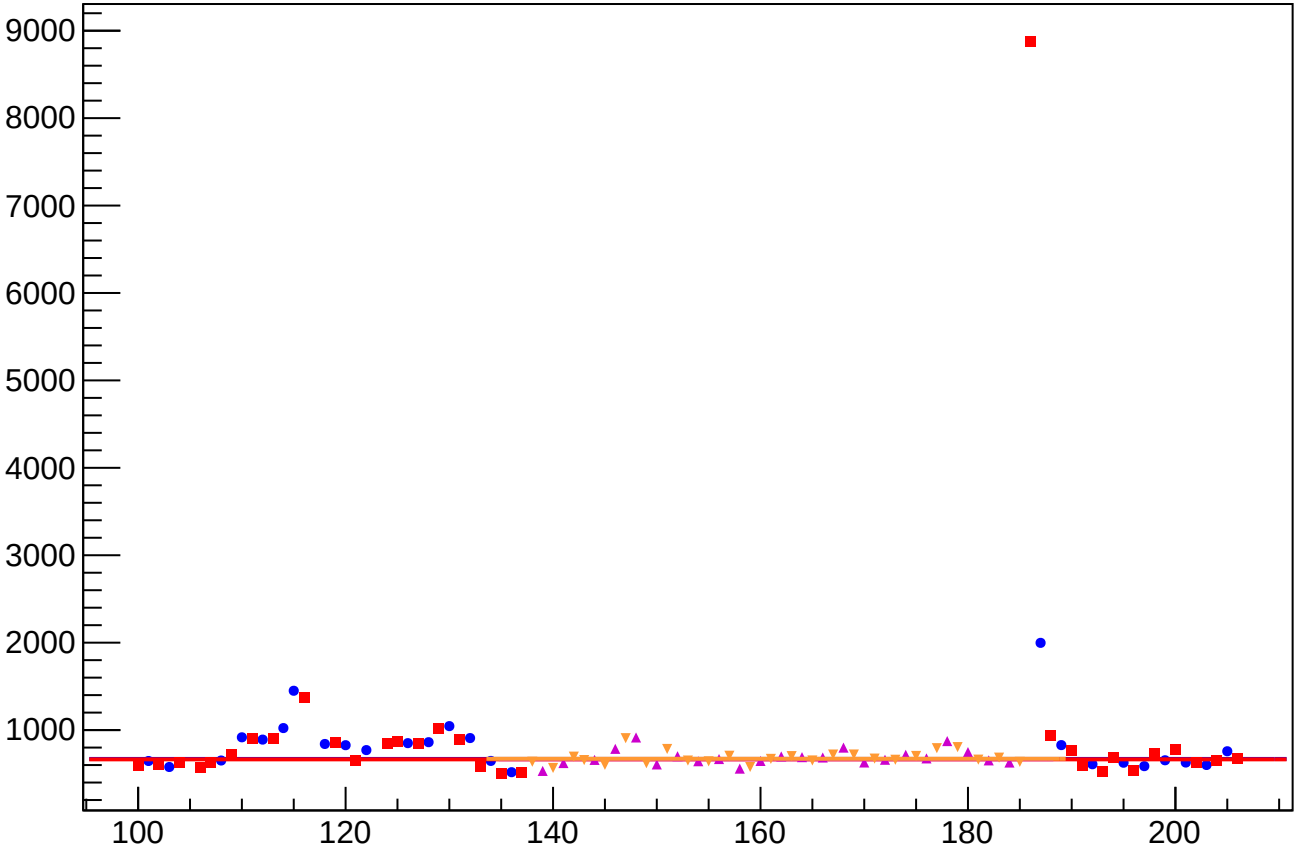
Right: -106.751+/-124.695 χ^2/NDF: 46.4/55

In: -15.377+/-119.425 χ^2/NDF:51.8/47

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -0.377+/-82.523 χ^2/NDF: 101.3/103

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.8/24

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.261+/-0.120 χ^2/NDF: 1888705.1/30

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

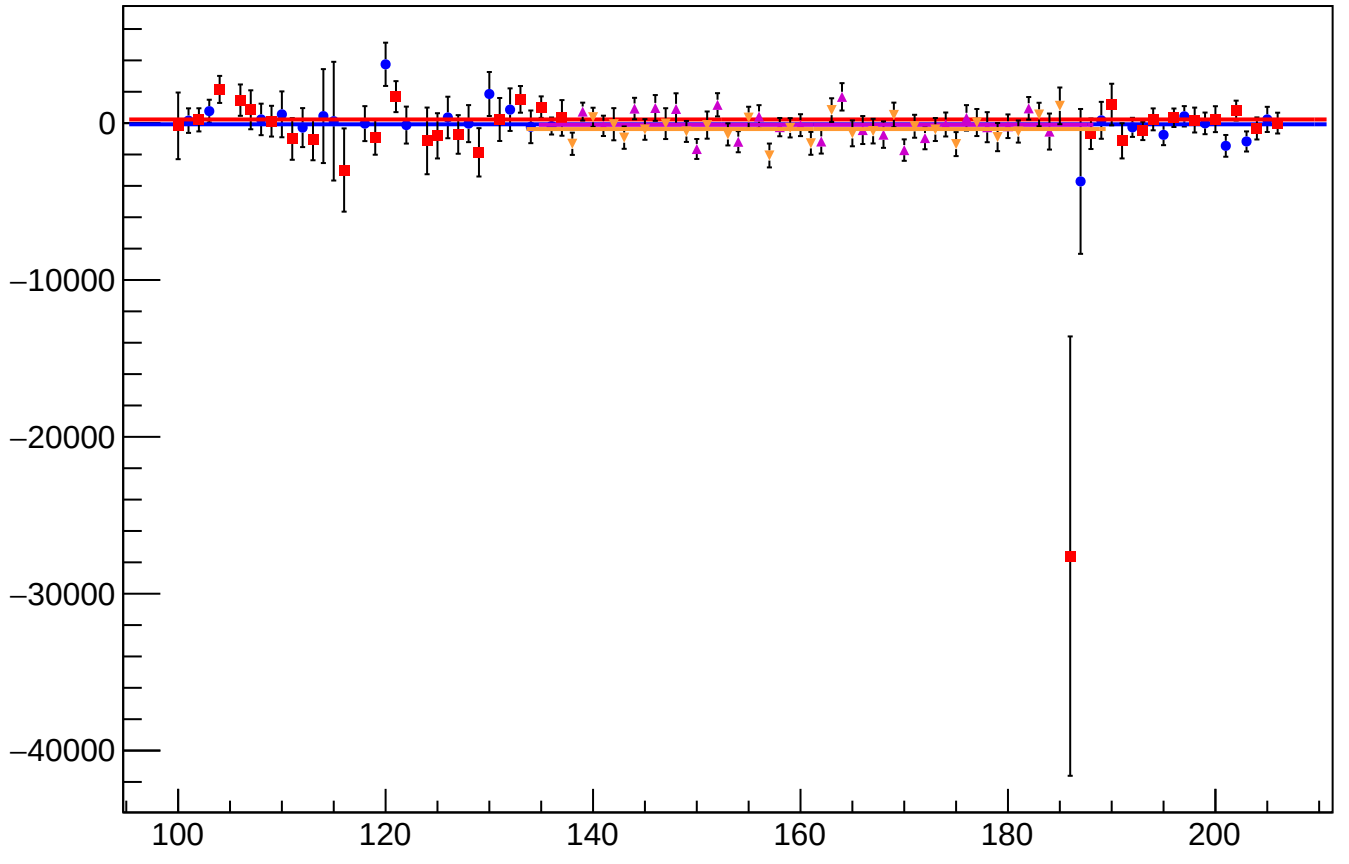
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 667.399+/-0.088 χ^2/NDF: 2975611.8/55

In: 668.419+/-0.084 χ^2/NDF:1633351.6/47

Out: 668.885+/-0.081 χ^2/NDF:2289513.5/55

All: 668.662+/-0.058 χ^2/NDF: 3922881.0/103



Right In: -74.200+/-180.011 χ^2/NDF: 21.4/24

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 234.745+/-166.762 χ^2/NDF: 30.3/30

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

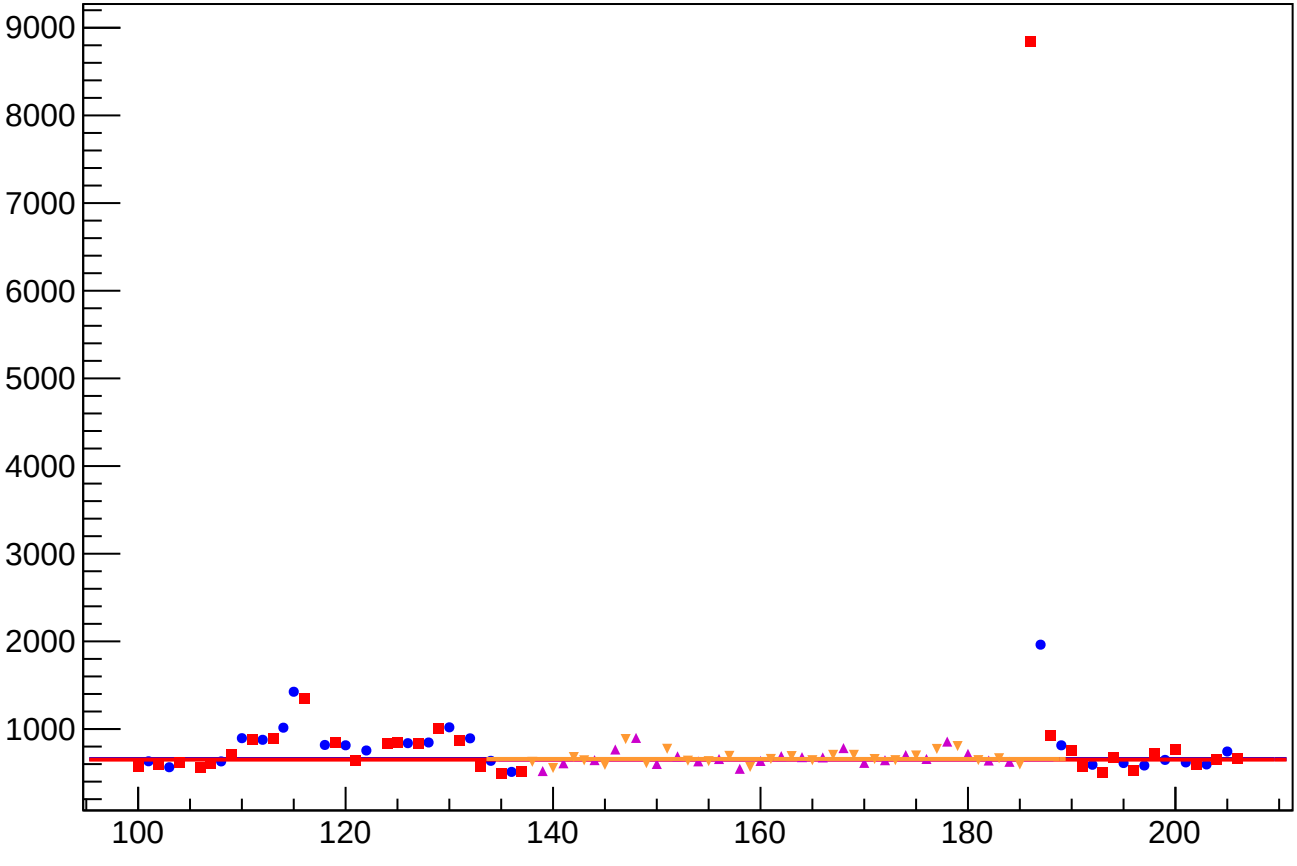
Right: 92.059+/-122.335 χ^2/NDF: 53.3/55

In: -90.984+/-117.167 χ^2/NDF:57.0/47

Out: -101.617+/-111.912 χ^2/NDF:59.1/55

All: -96.544+/-80.928 χ^2/NDF: 116.1/103

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 658.244+/-0.127 χ^2/NDF: 1074936.1/24

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 651.322+/-0.118 χ^2/NDF: 1927542.9/30

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

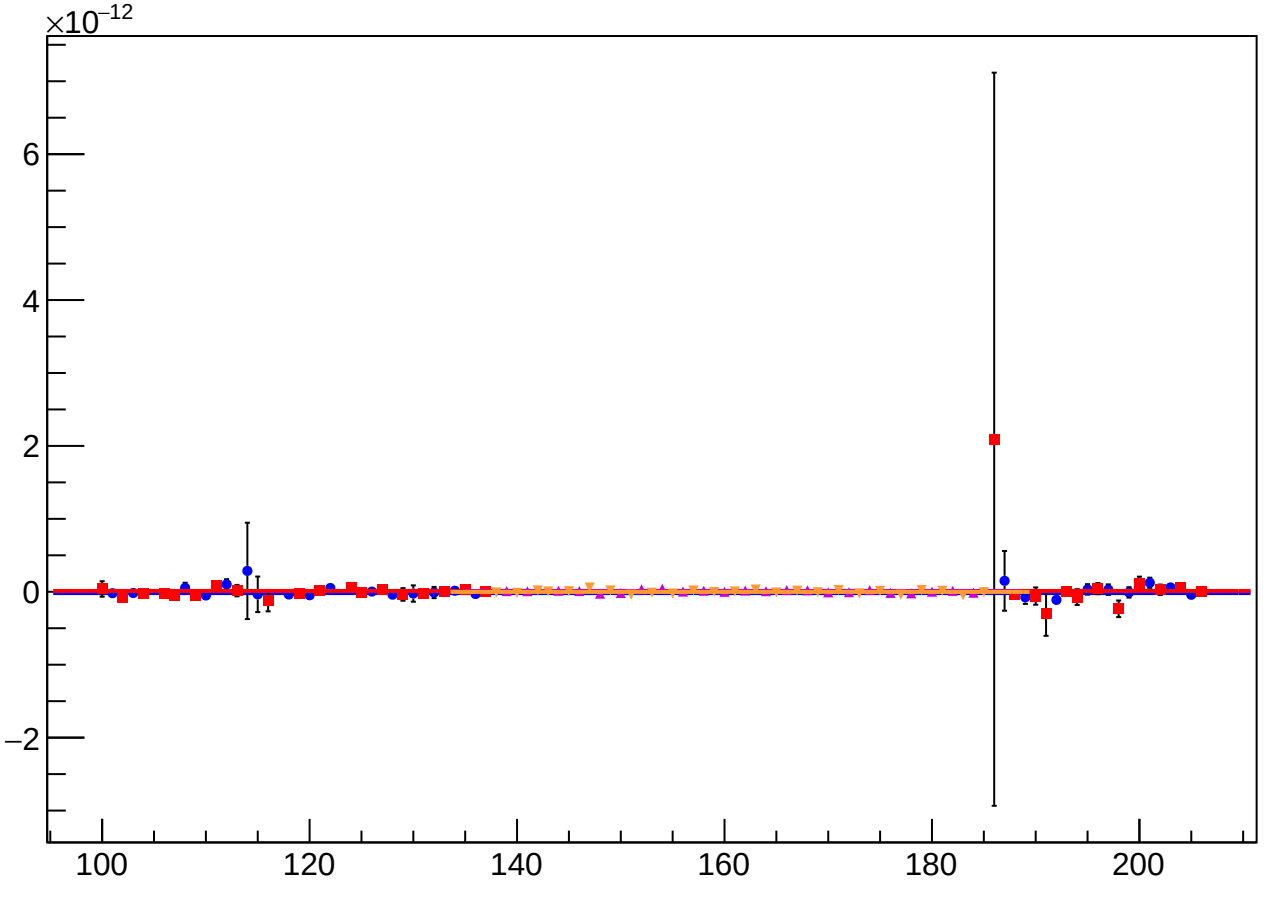
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 654.519+/-0.087 χ^2/NDF: 3004070.6/55

In: 655.769+/-0.083 χ^2/NDF:1617670.2/47

Out: 655.362+/-0.079 χ^2/NDF:2339362.8/55

All: 655.556+/-0.057 χ^2/NDF: 3957045.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/30

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

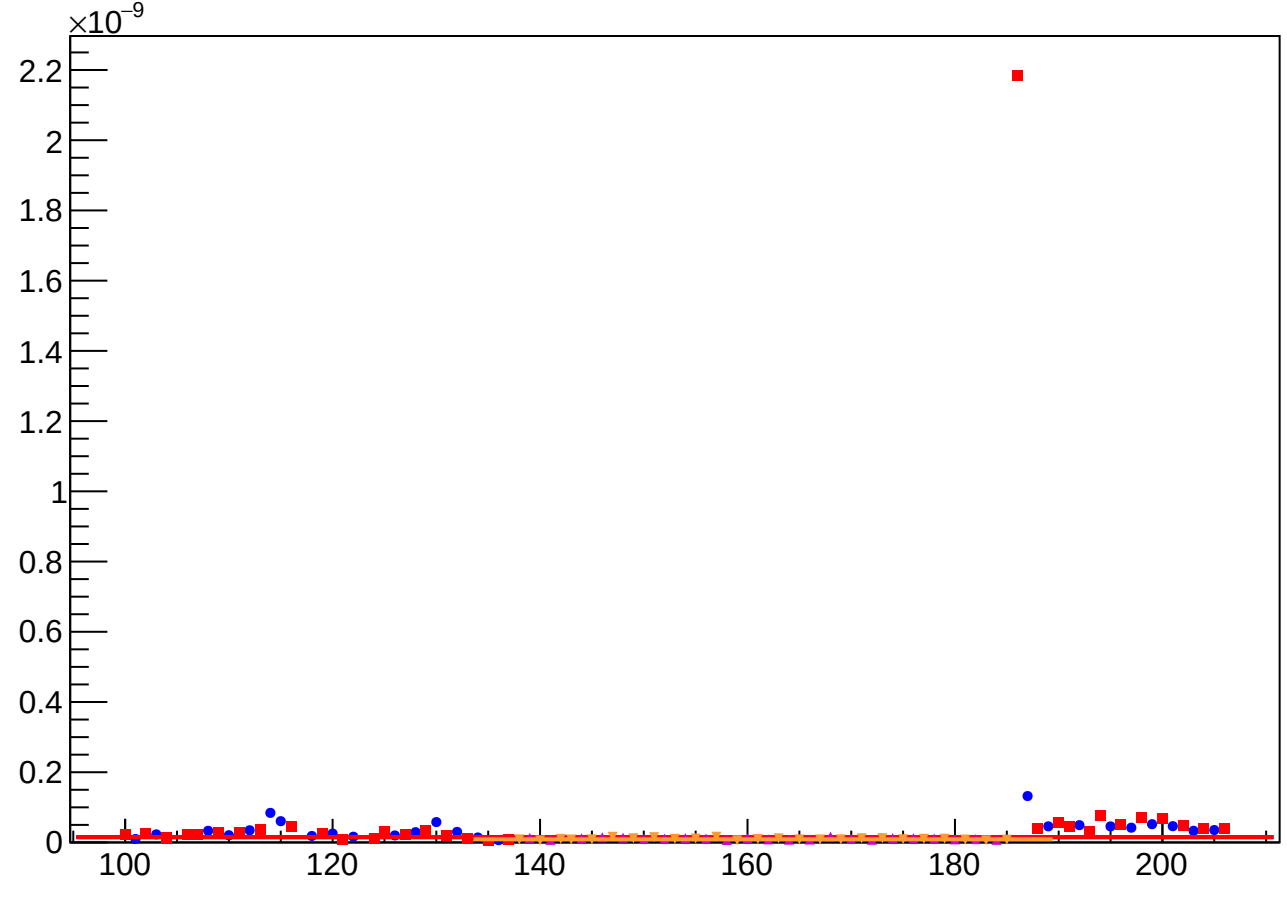
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/55

In: 0.000+/-0.000 χ^2/NDF:44.9/47

Out: 0.000+/-0.000 χ^2/NDF:60.8/55

All: 0.000+/-0.000 χ^2/NDF: 105.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 5462681.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7075250.6/30

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

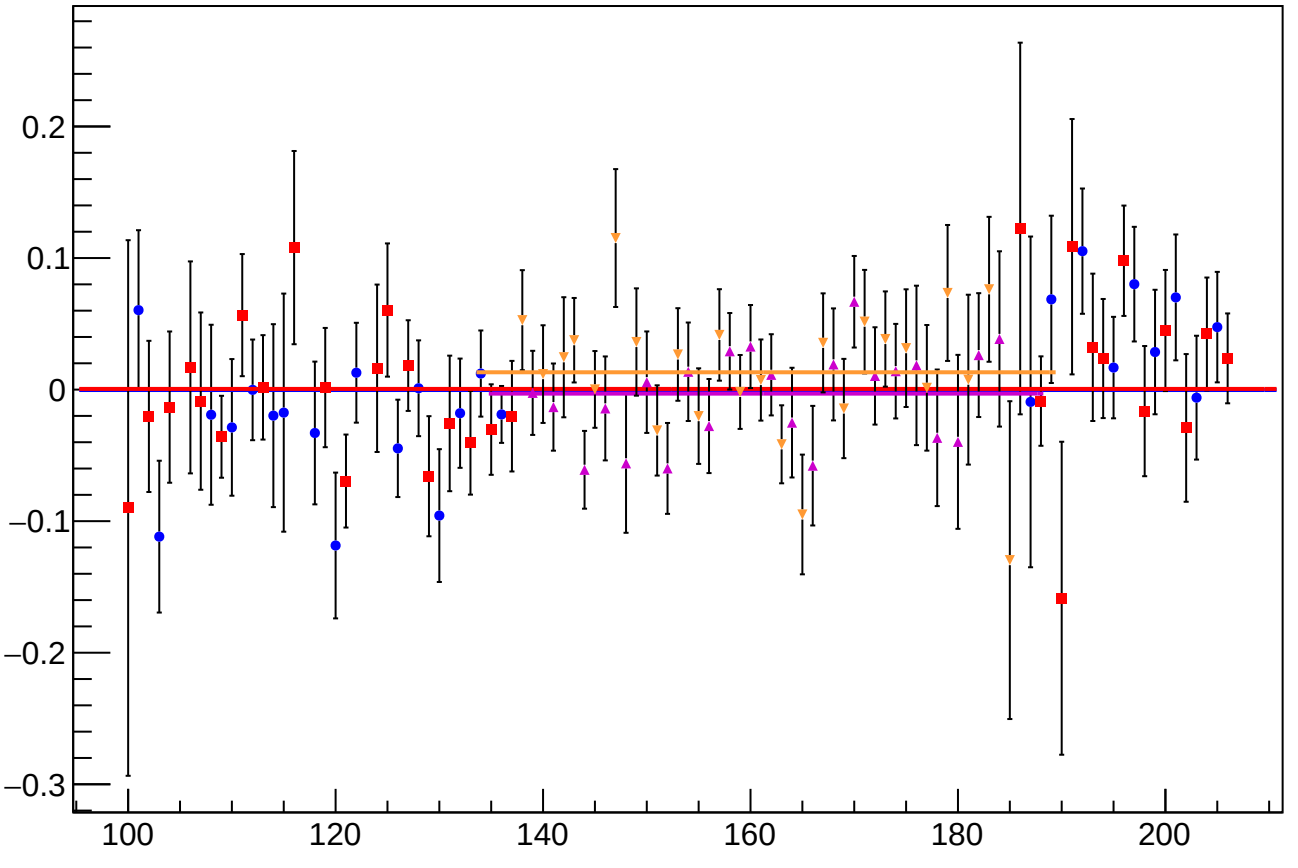
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12550044.4/55

In: 0.000+/-0.000 χ^2/NDF:6717022.3/47

Out: 0.000+/-0.000 χ^2/NDF:9435426.5/55

All: 0.000+/-0.000 χ^2/NDF: 16253935.5/103



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

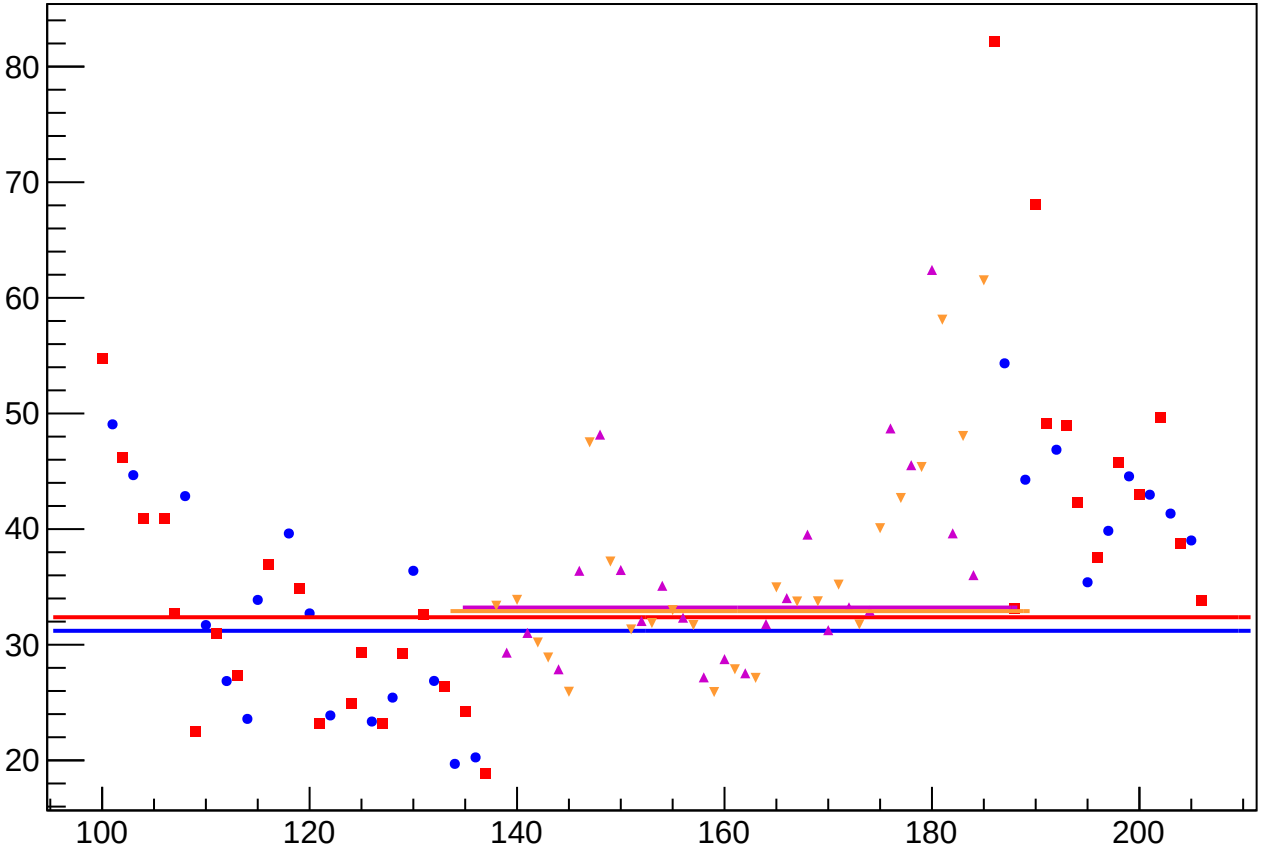
Right: 0.000+/-0.006 χ^2/NDF: 58.0/55

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.003+/-0.004 χ^2/NDF: 105.1/103

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

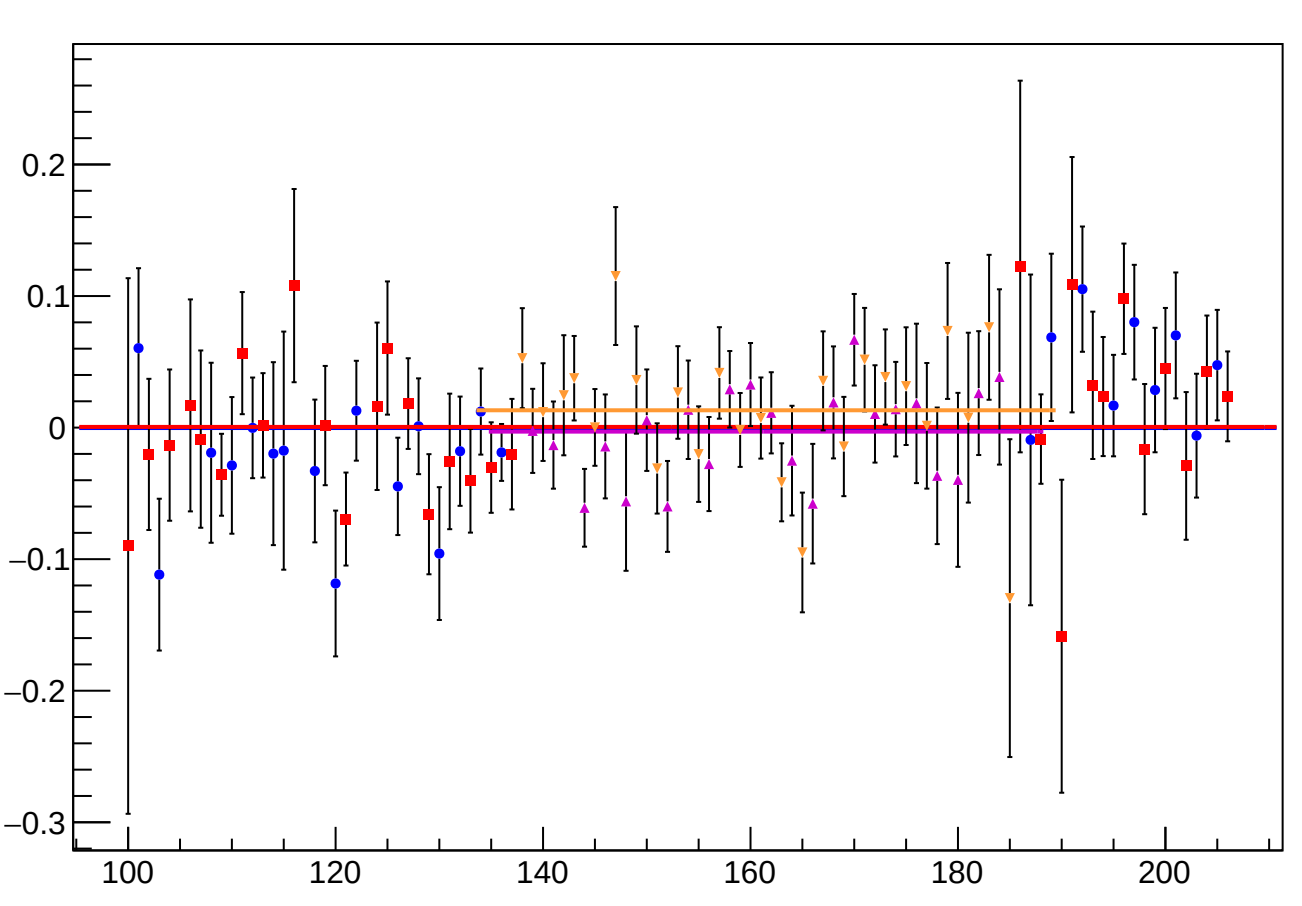
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.817+/-0.004 χ^2/NDF: 4810468.0/55

In: 32.311+/-0.004 χ^2/NDF:3650744.6/47

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.496+/-0.003 χ^2/NDF: 7506864.2/103



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

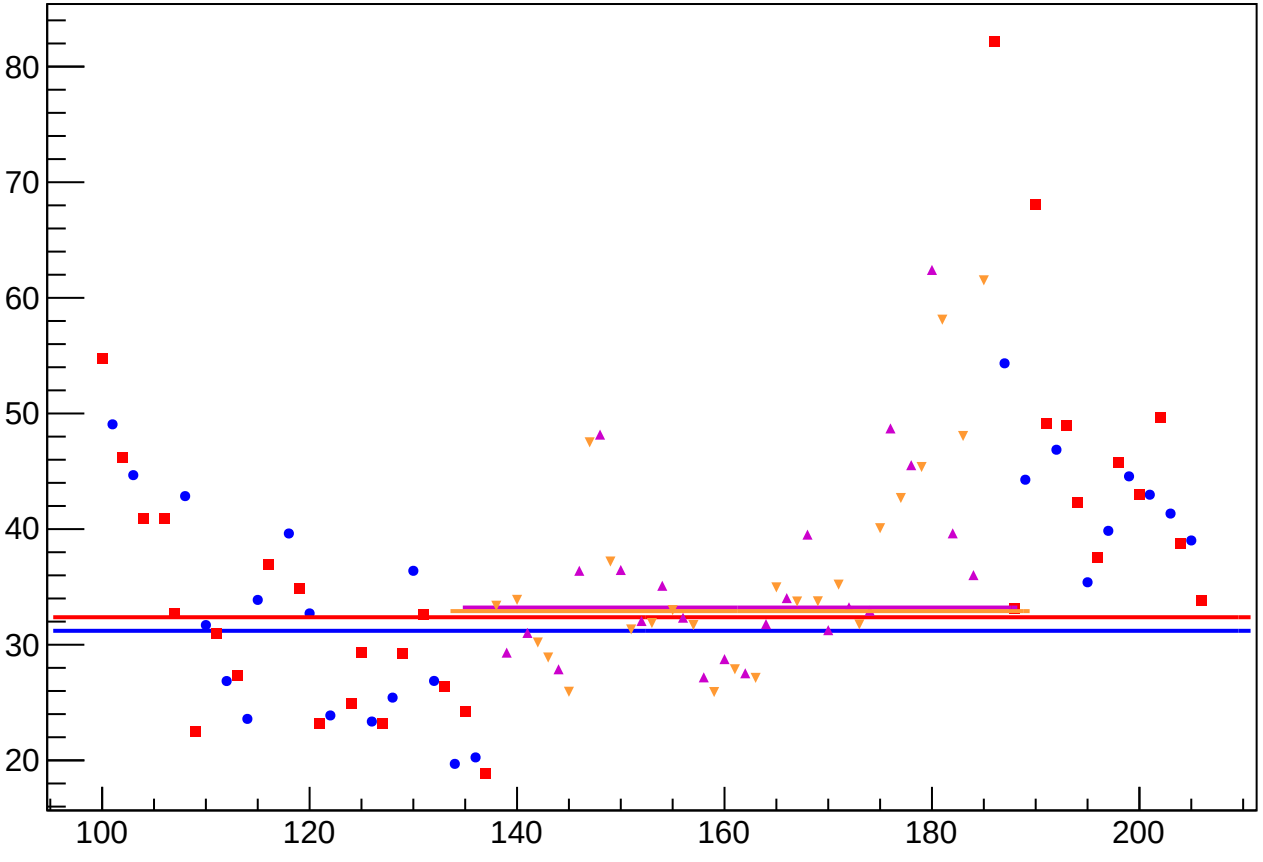
Right: 0.000+/-0.006 χ^2/NDF: 58.0/55

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.003+/-0.004 χ^2/NDF: 105.1/103

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

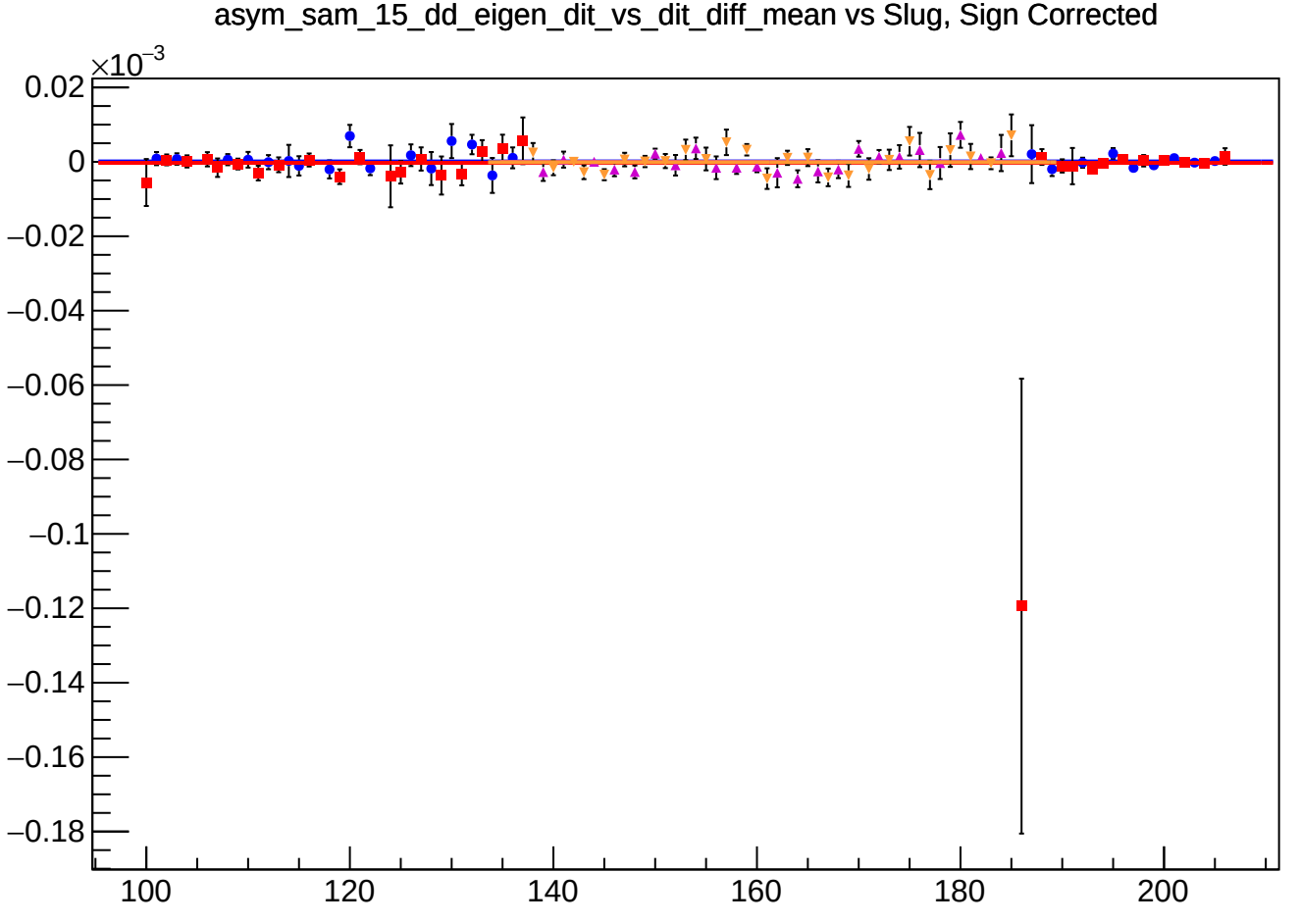
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.817+/-0.004 χ^2/NDF: 4810468.0/55

In: 32.311+/-0.004 χ^2/NDF:3650744.6/47

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.496+/-0.003 χ^2/NDF: 7506864.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

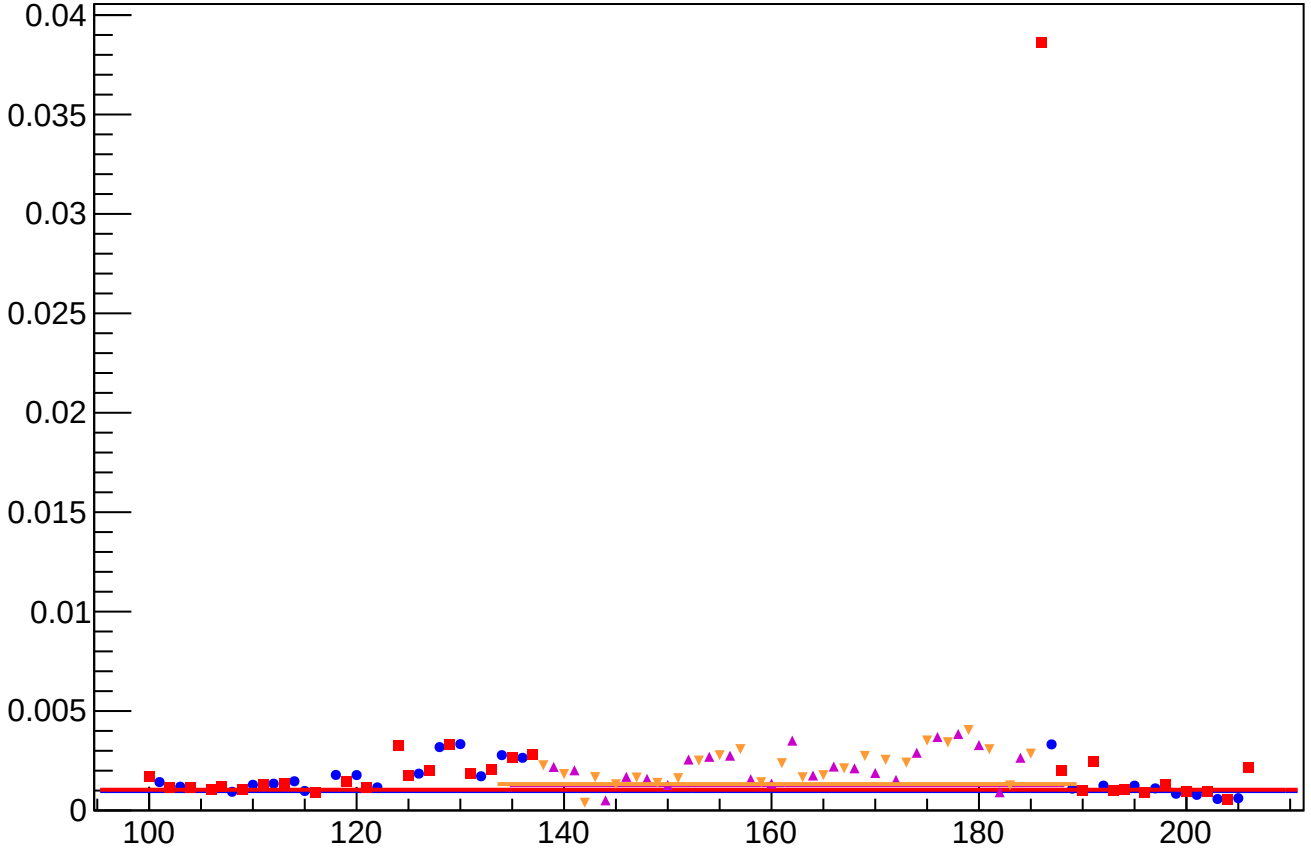
Right: -0.000+/-0.000 χ^2/NDF: 43.9/55

In: 0.000+/-0.000 χ^2/NDF:48.4/47

Out: -0.000+/-0.000 χ^2/NDF:52.9/55

All: -0.000+/-0.000 χ^2/NDF: 101.9/103

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4703805.3/24

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5419234.7/30

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

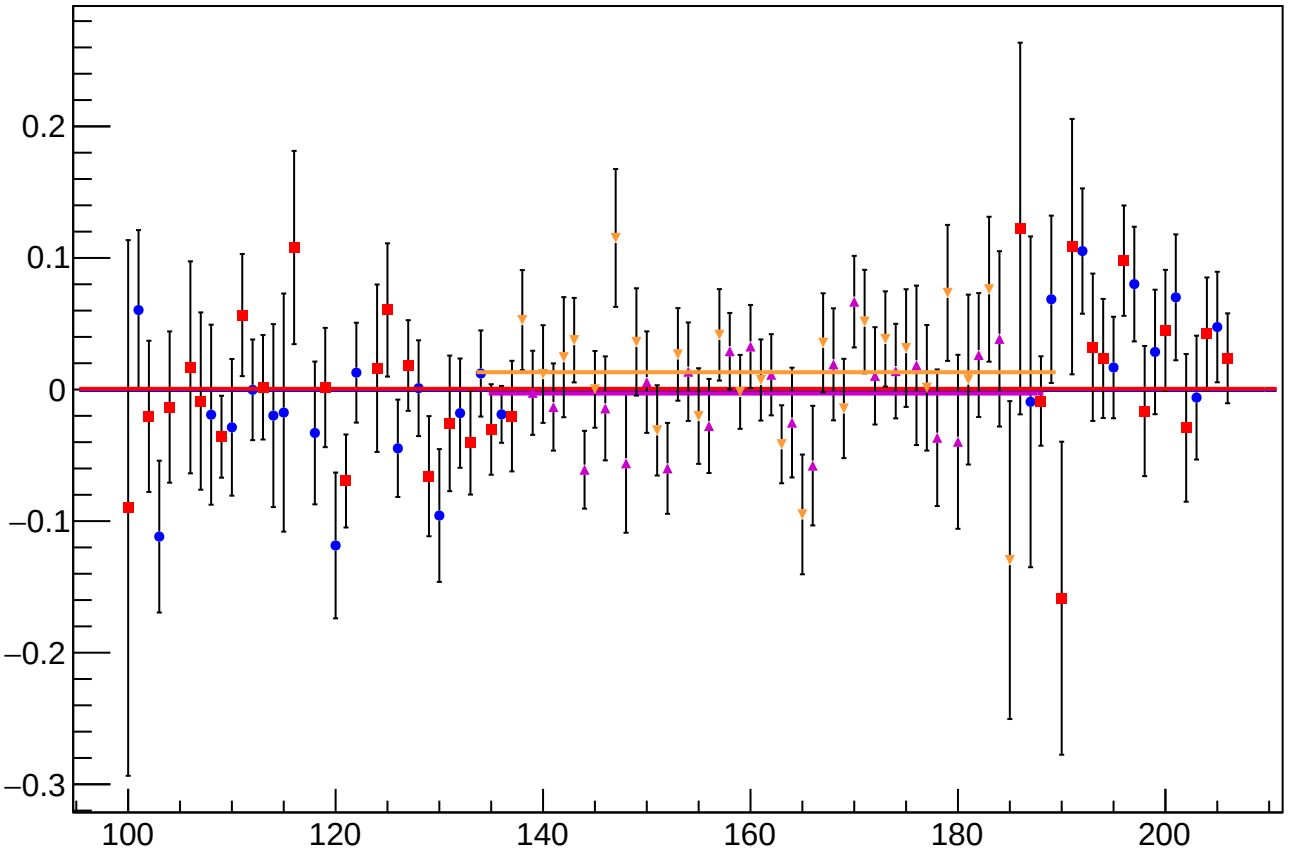
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 10175918.3/55

In: 0.001+/-0.000 χ^2/NDF:15424692.6/47

Out: 0.001+/-0.000 χ^2/NDF:17321360.1/55

All: 0.001+/-0.000 χ^2/NDF: 32801494.9/103



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

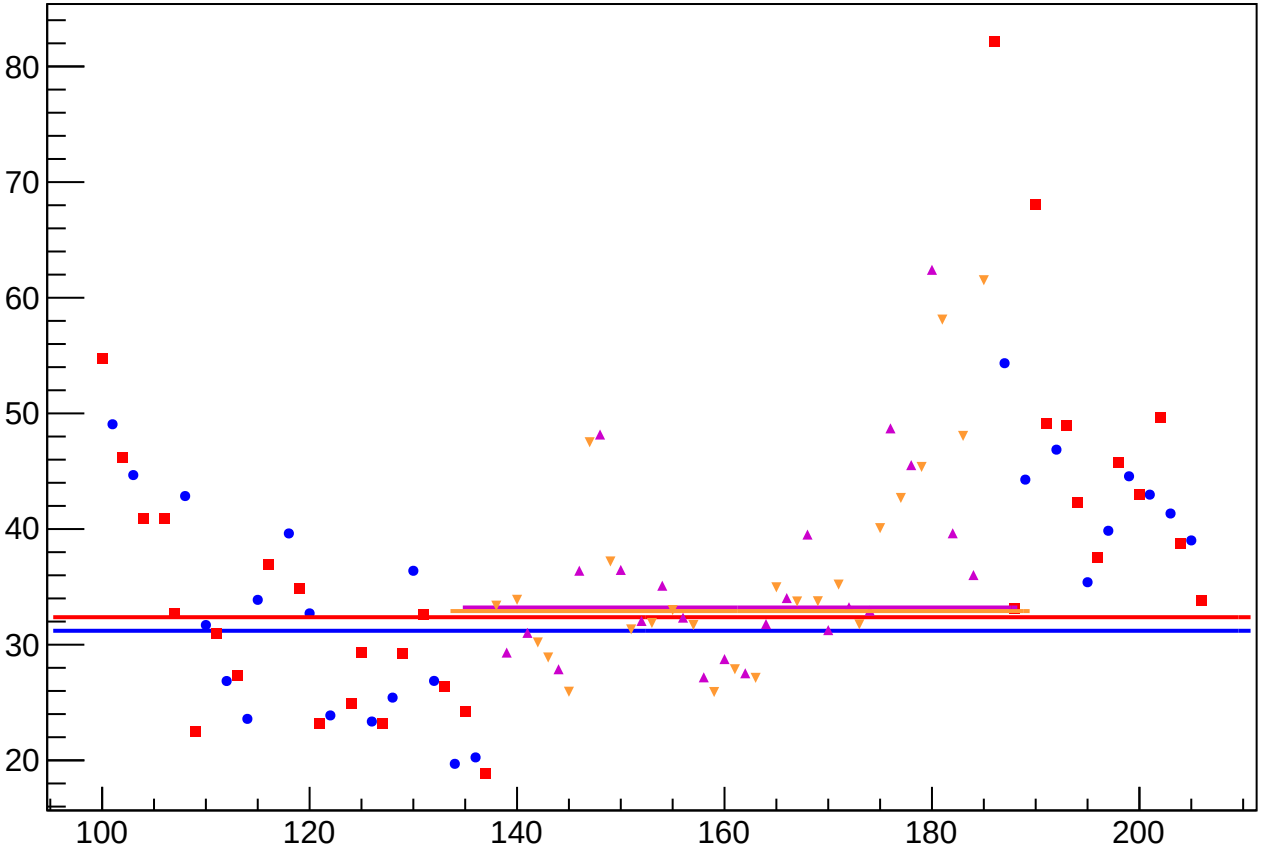
Right: 0.000+/-0.006 χ^2/NDF: 58.0/55

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.003+/-0.004 χ^2/NDF: 105.1/103

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

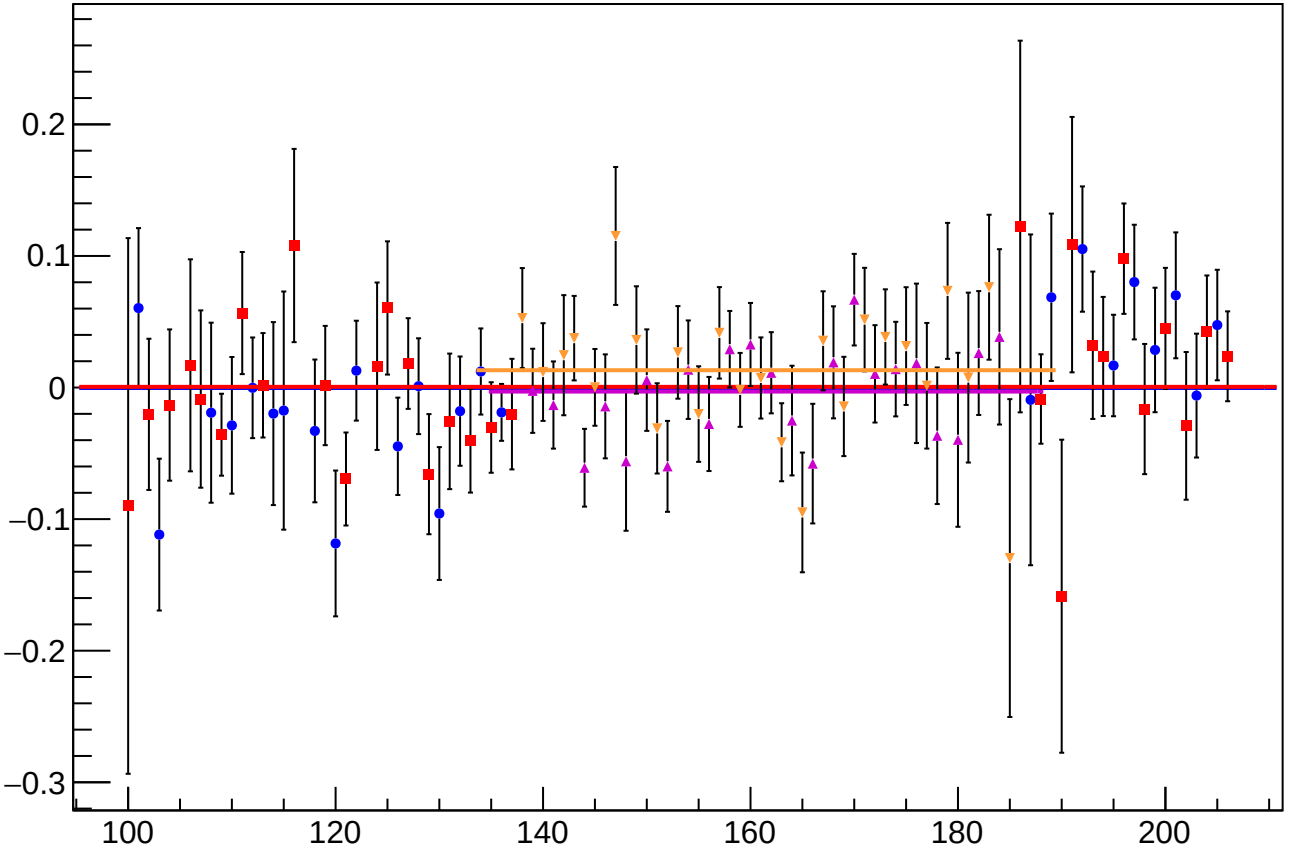
Right: 31.816+/-0.004 χ^2/NDF: 4810980.2/55

In: 32.310+/-0.004 χ^2/NDF:3651060.1/47

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.496+/-0.003 χ^2/NDF: 7507586.7/103

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

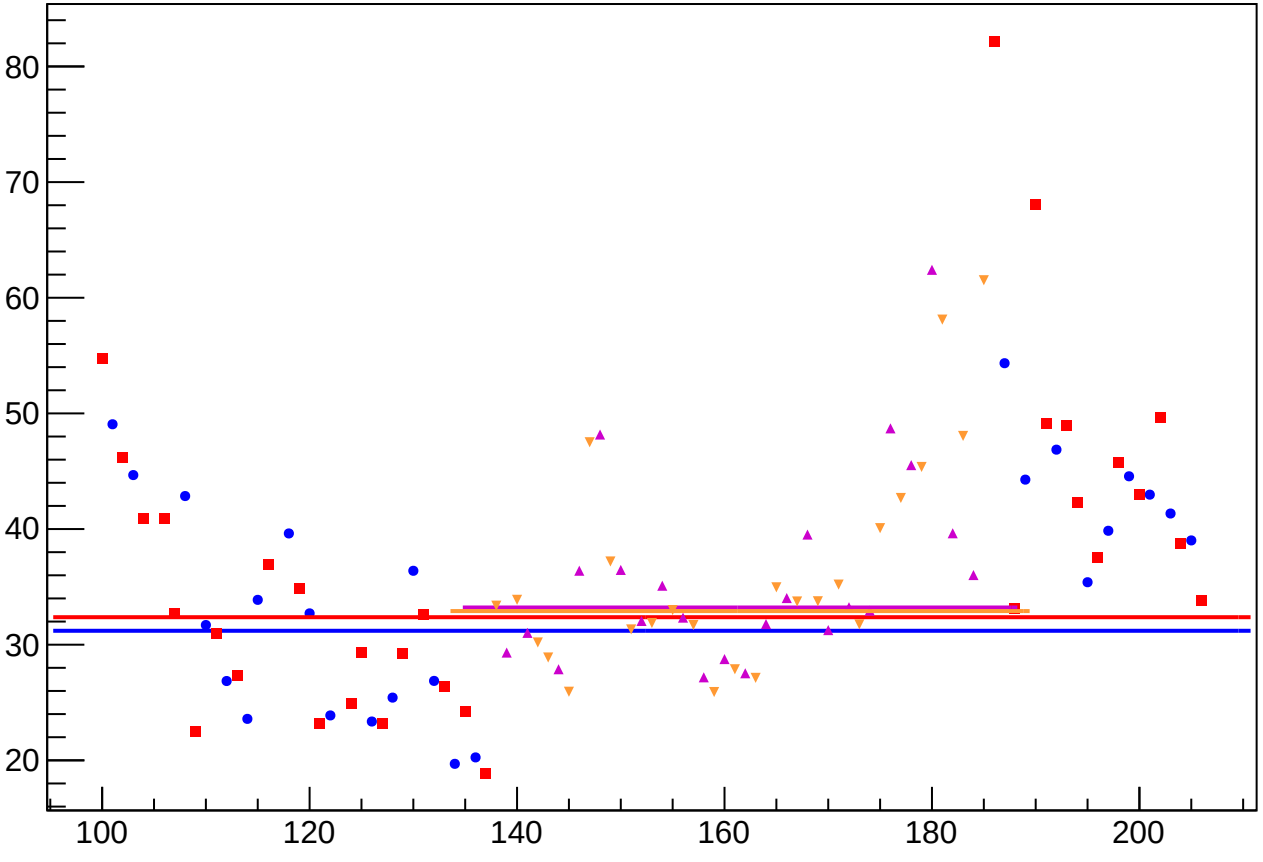
Right: 0.000+/-0.006 χ^2/NDF: 58.0/55

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.003+/-0.004 χ^2/NDF: 105.1/103

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

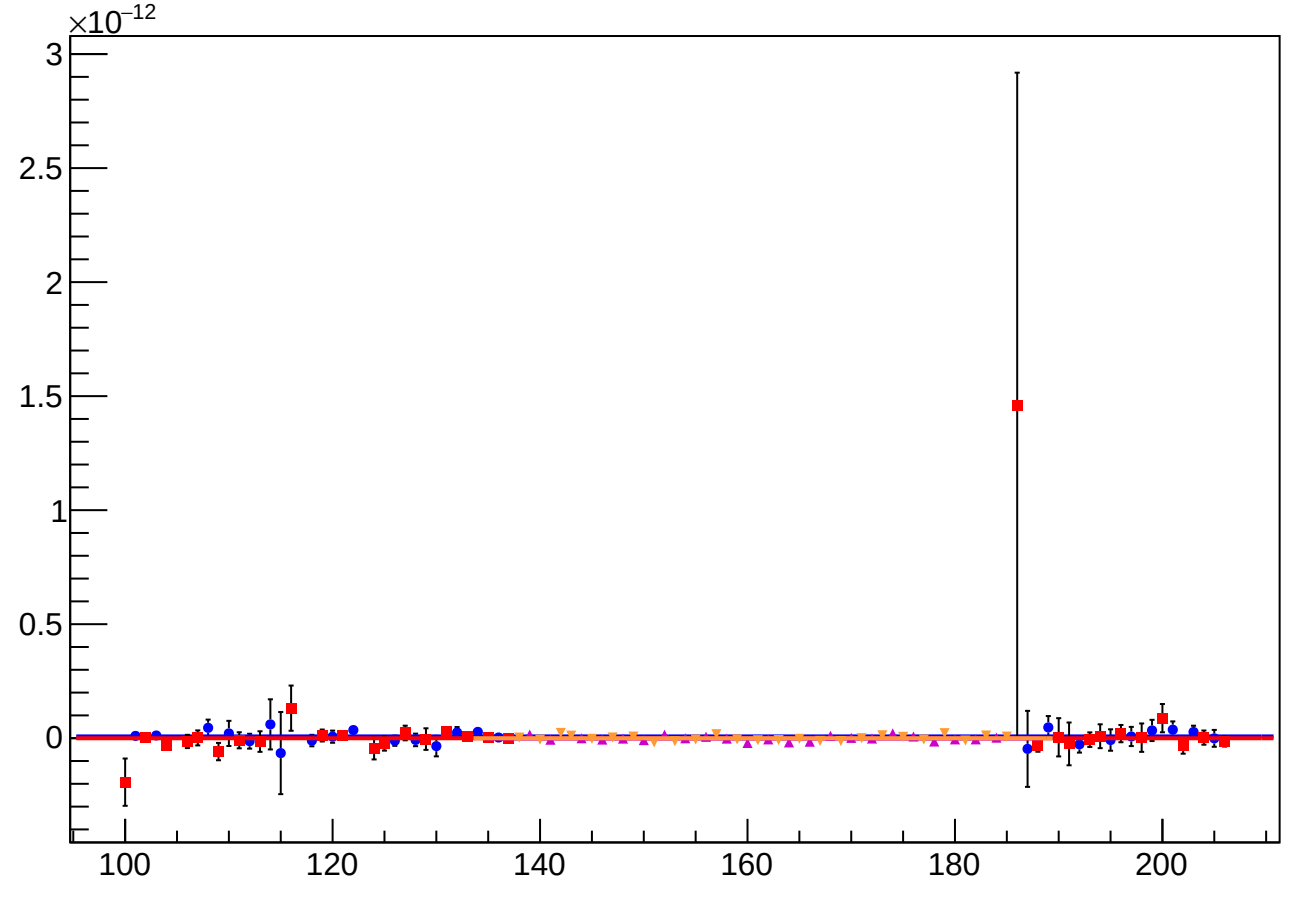
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.816+/-0.004 χ^2/NDF: 4810980.2/55

In: 32.310+/-0.004 χ^2/NDF:3651060.1/47

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.496+/-0.003 χ^2/NDF: 7507586.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

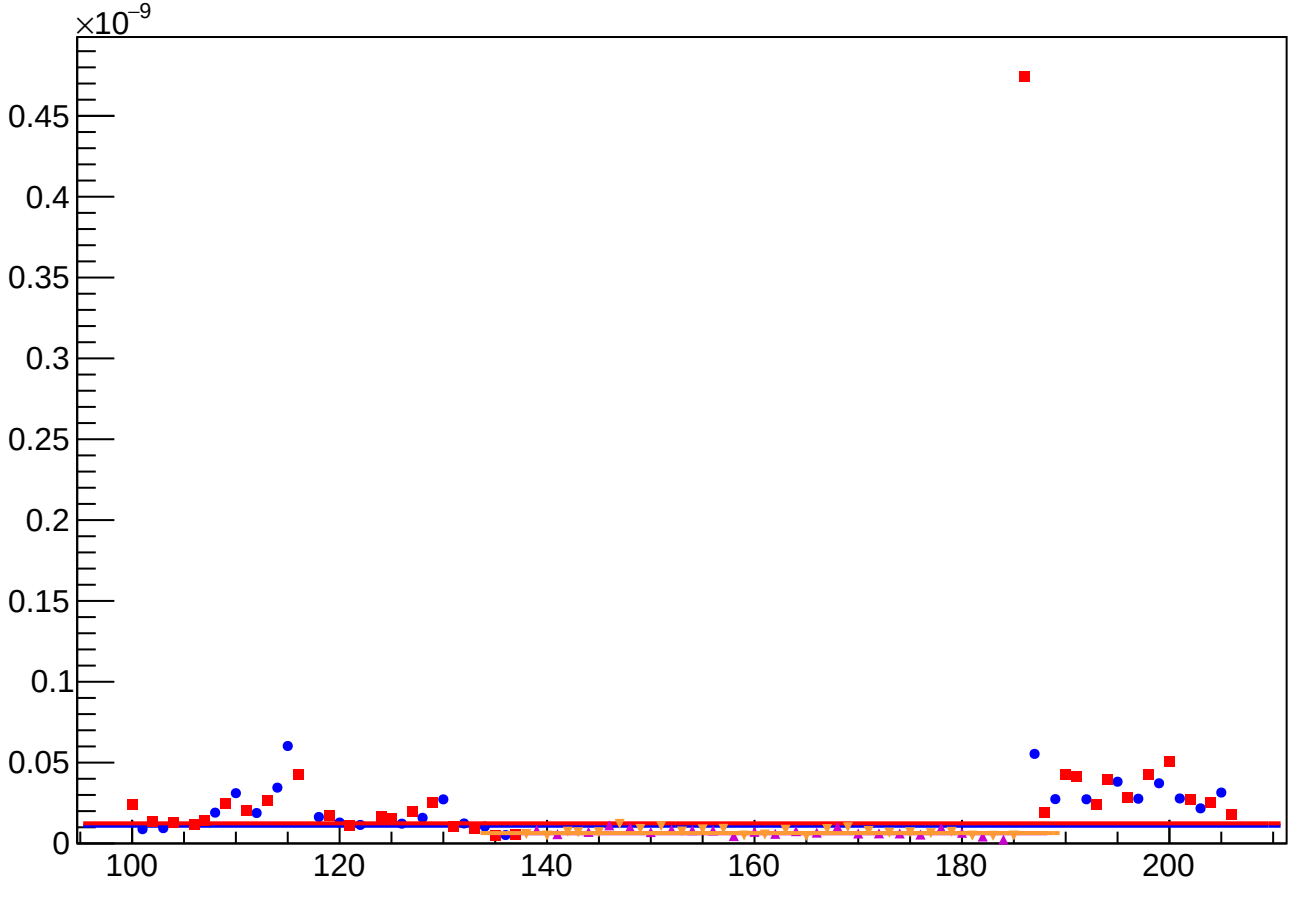
Right: 0.000+/-0.000 χ^2/NDF: 35.0/55

In: 0.000+/-0.000 χ^2/NDF:40.6/47

Out: -0.000+/-0.000 χ^2/NDF:52.7/55

All: -0.000+/-0.000 χ^2/NDF: 93.3/103

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6541630.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164051.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

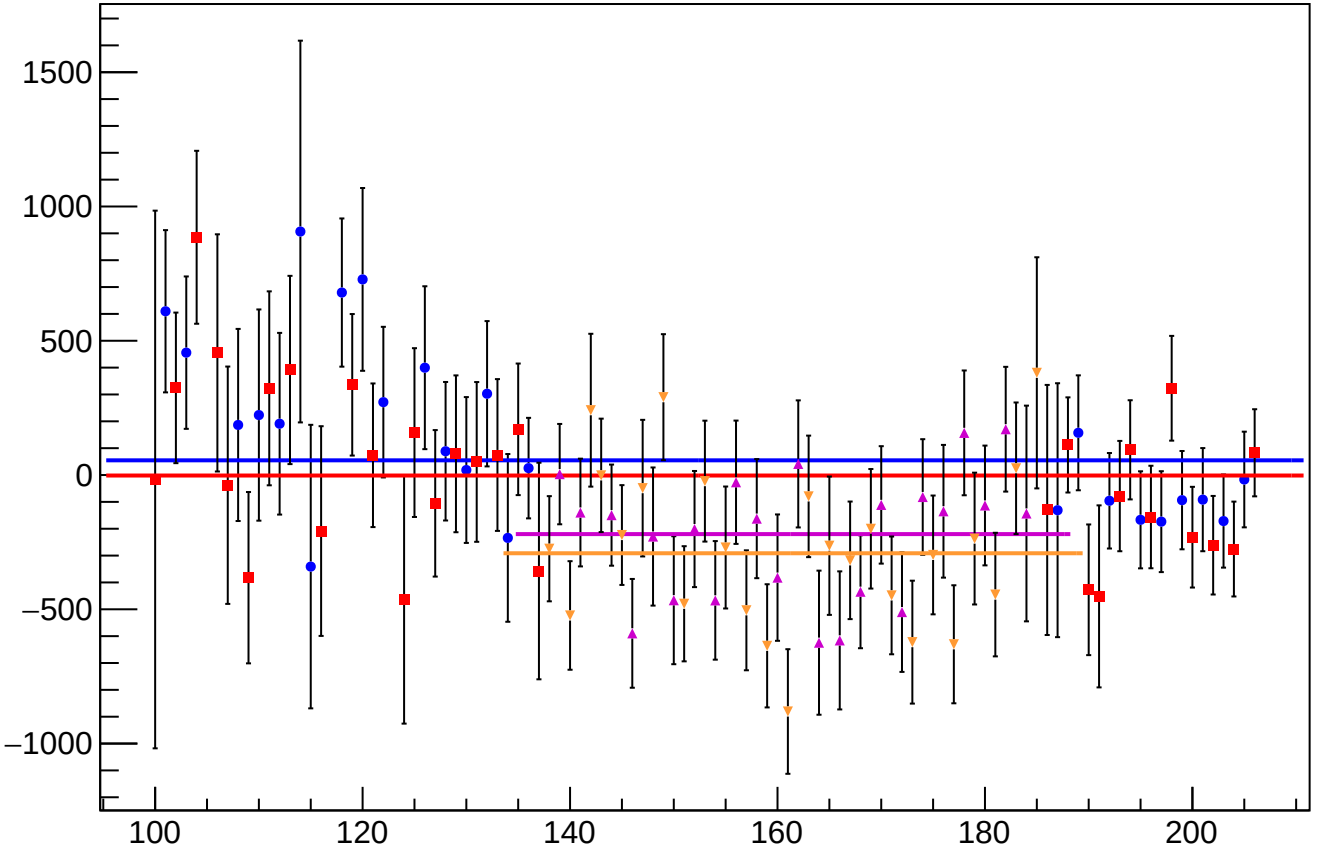
Right: 0.000+/-0.000 χ^2/NDF: 13821925.8/55

In: 0.000+/-0.000 χ^2/NDF:10598185.5/47

Out: 0.000+/-0.000 χ^2/NDF:12119439.1/55

All: 0.000+/-0.000 χ^2/NDF: 22733223.8/103

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 54.743+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -1.836+/-45.747 χ^2/NDF: 33.7/30

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

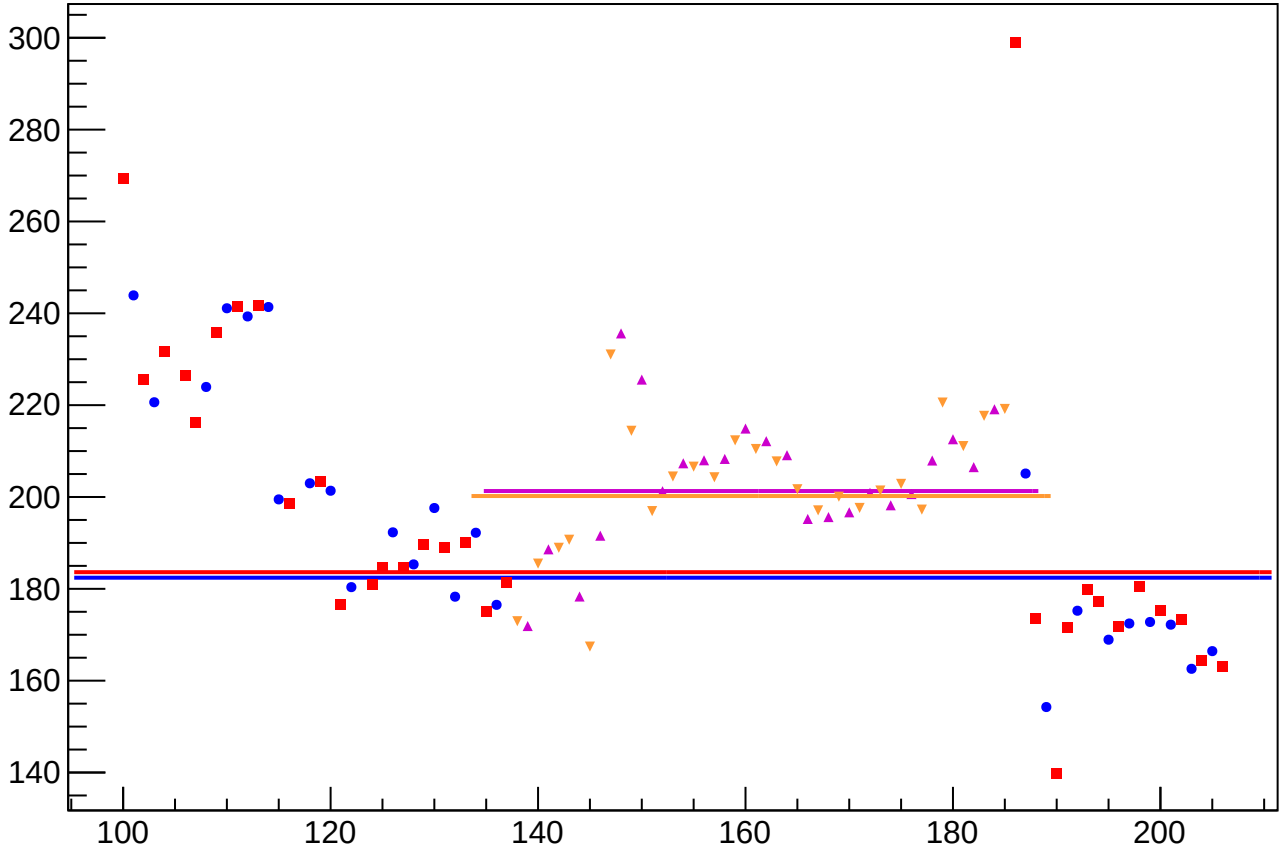
Right: 24.530+/-33.430 χ^2/NDF: 62.1/55

In: -87.832+/-33.964 χ^2/NDF:67.8/47

Out: -146.997+/-32.301 χ^2/NDF:90.1/55

All: -118.899+/-23.406 χ^2/NDF: 159.5/103

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 182.426+/-0.035 χ^2/NDF: 406259.7/24

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 183.627+/-0.032 χ^2/NDF: 588287.1/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

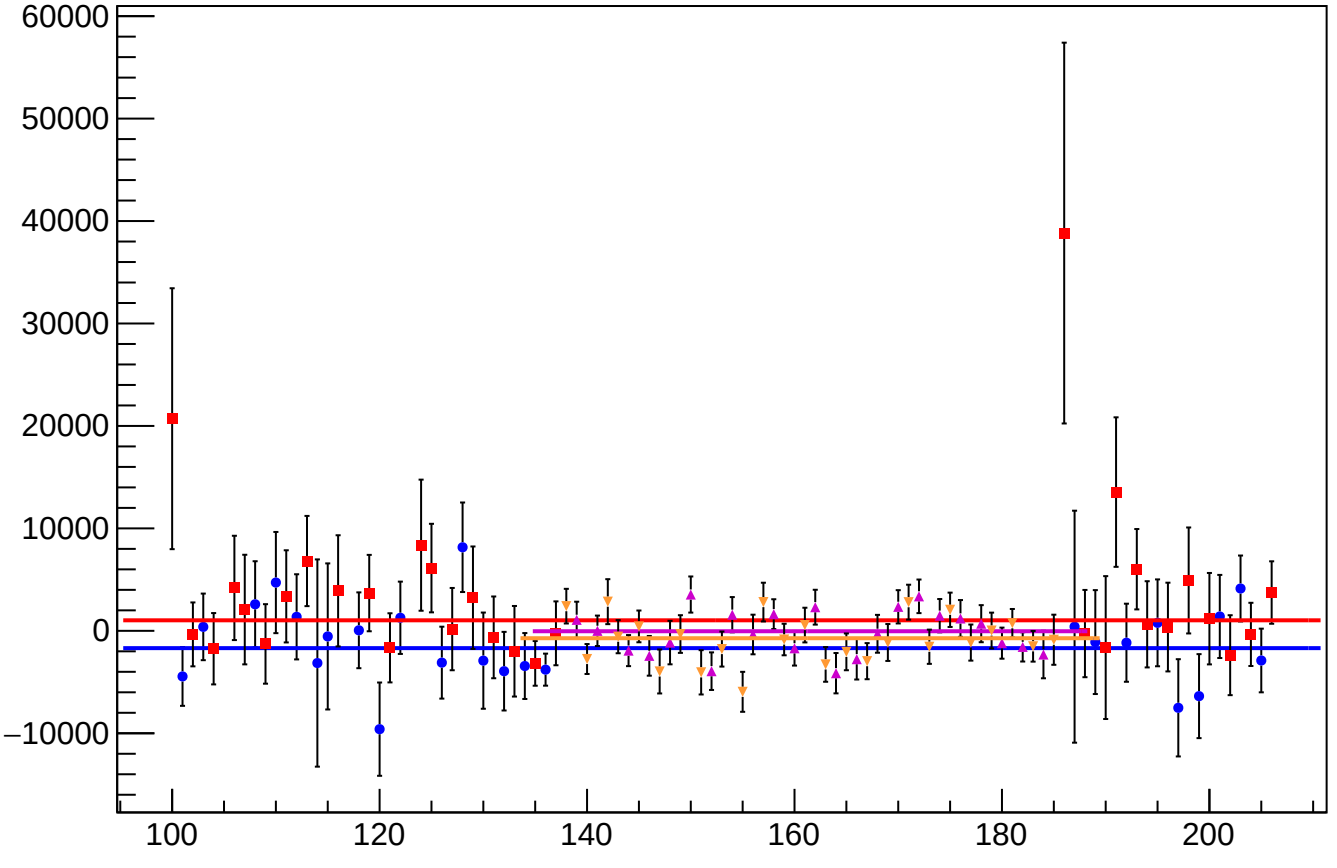
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 183.067+/-0.024 χ^2/NDF: 995189.2/55

In: 192.220+/-0.024 χ^2/NDF:742051.0/47

Out: 191.942+/-0.023 χ^2/NDF:924469.1/55

All: 192.074+/-0.017 χ^2/NDF: 1666590.1/103



Right In: -1688.708+/-727.214 χ^2/NDF: 23.6/24

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1027.182+/-730.949 χ^2/NDF: 26.2/30

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

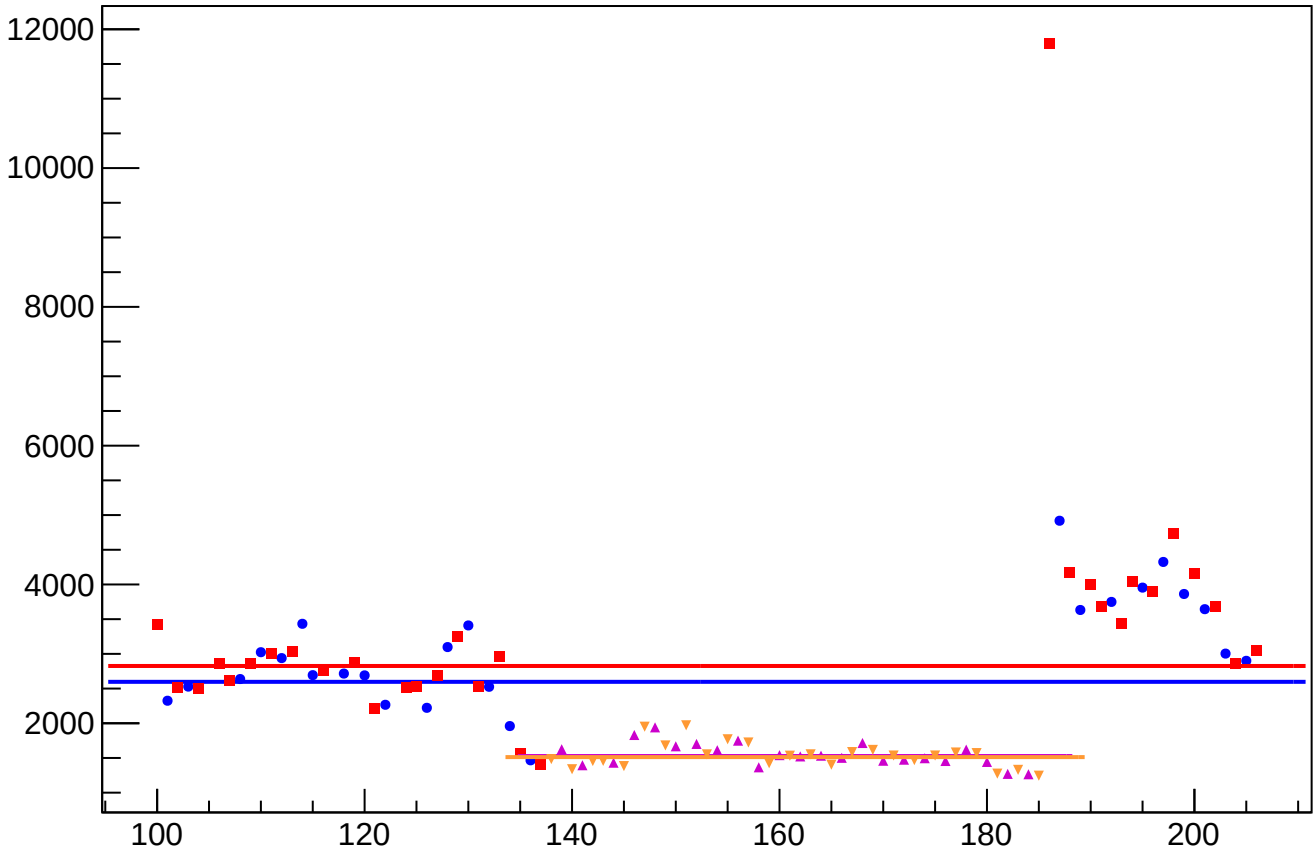
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -337.721+/-515.534 χ^2/NDF: 56.7/55

In: -362.868+/-322.102 χ^2/NDF:62.1/47

Out: -400.181+/-313.010 χ^2/NDF:69.1/55

All: -382.058+/-224.477 χ^2/NDF: 131.2/103



Right In: 2597.074+/-0.514 χ^2/NDF: 2510983.0/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2825.501+/-0.517 χ^2/NDF: 2901576.3/30

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

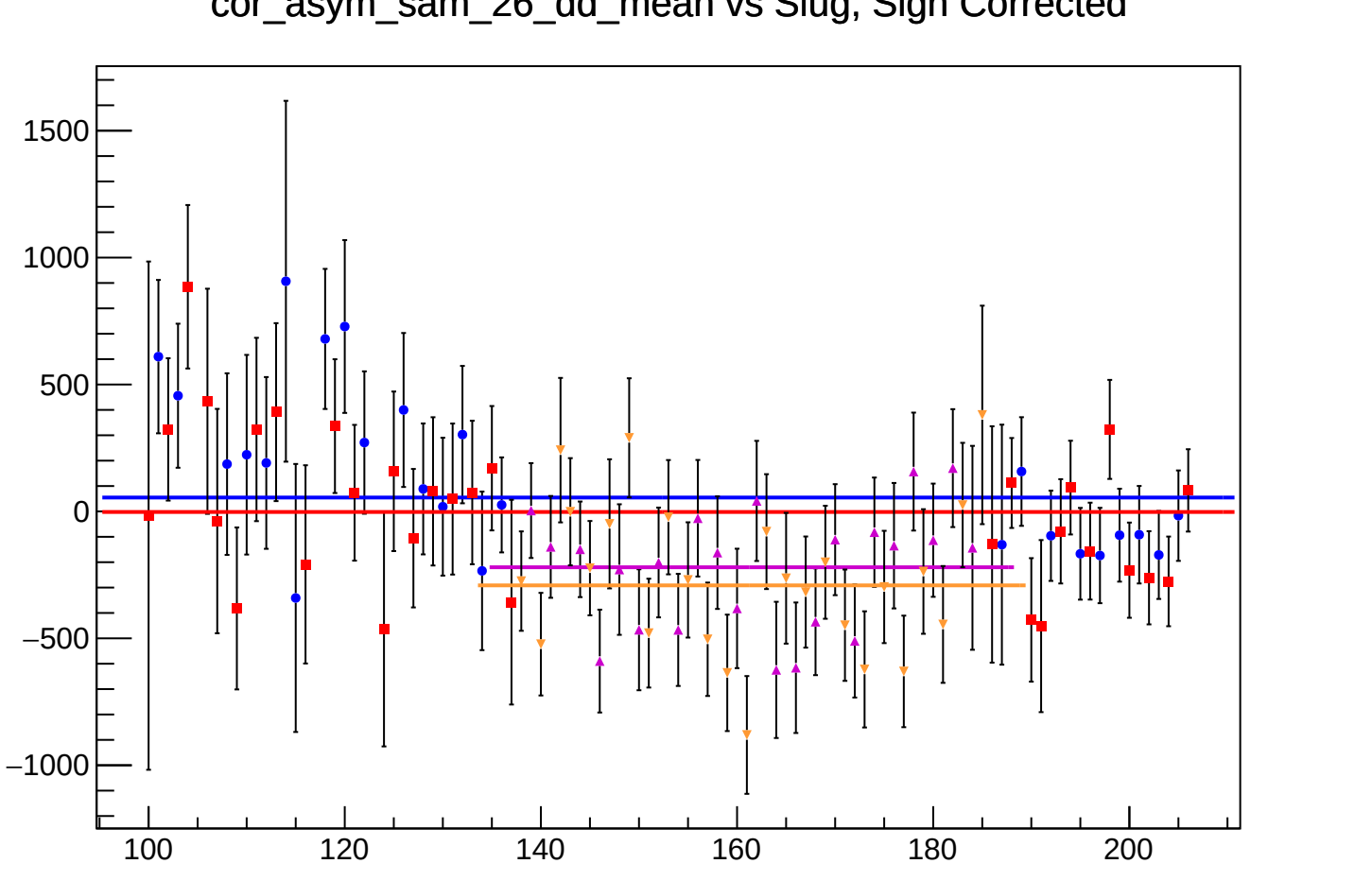
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2710.702+/-0.365 χ^2/NDF: 5510720.1/55

In: 1737.706+/-0.228 χ^2/NDF:6359446.0/47

Out: 1753.162+/-0.221 χ^2/NDF:8615180.4/55

All: 1745.655+/-0.159 χ^2/NDF: 14976995.0/1



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -2.149+/-45.750 χ^2/NDF: 33.6/30

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

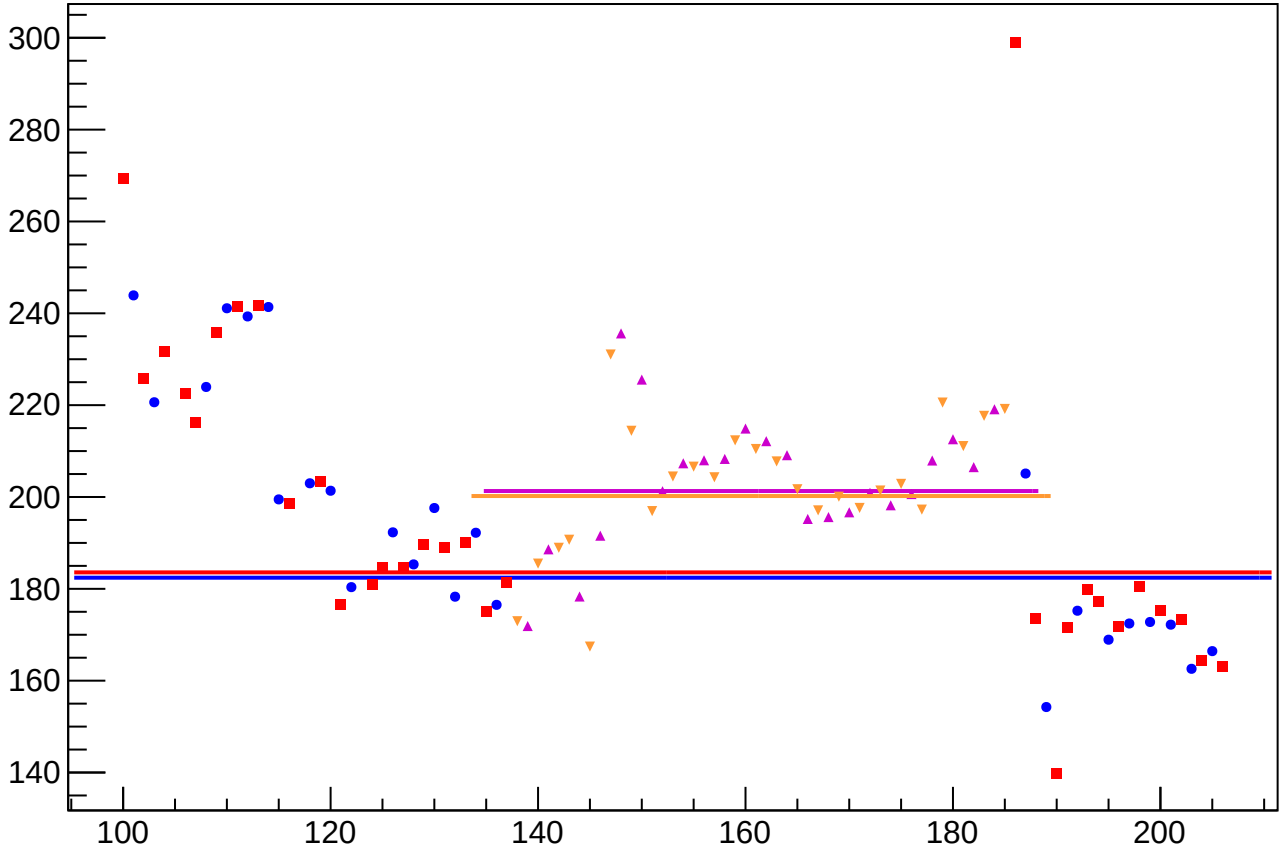
Right: 24.363+/-33.431 χ^2/NDF: 62.0/55

In: -87.837+/-33.964 χ^2/NDF:67.8/47

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -118.987+/-23.406 χ^2/NDF: 159.4/103

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

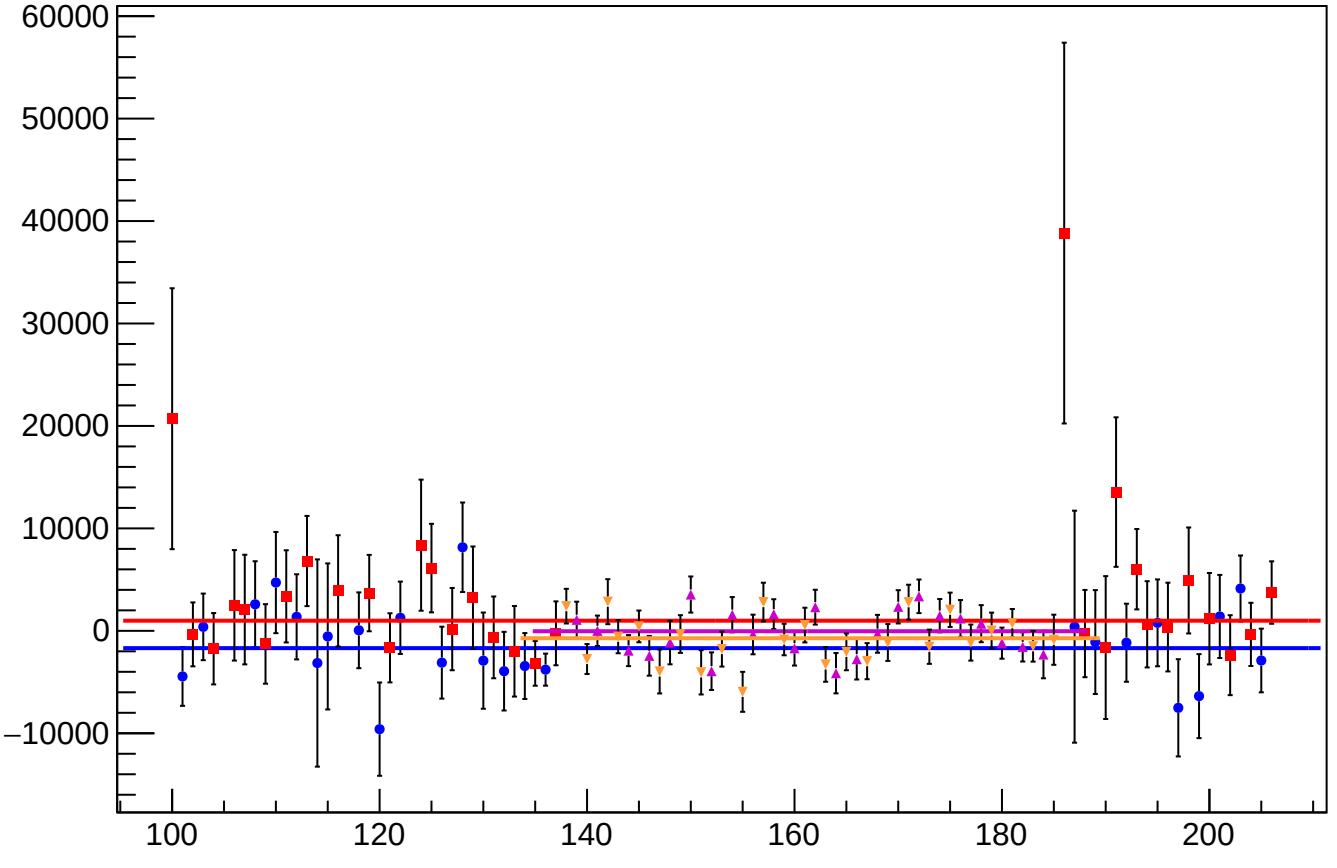
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 183.043+/-0.024 χ^2/NDF: 991831.3/55

In: 192.220+/-0.024 χ^2/NDF:742051.4/47

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 192.063+/-0.017 χ^2/NDF: 1663992.1/103



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 988.956+/-731.785 χ^2/NDF: 25.9/30

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

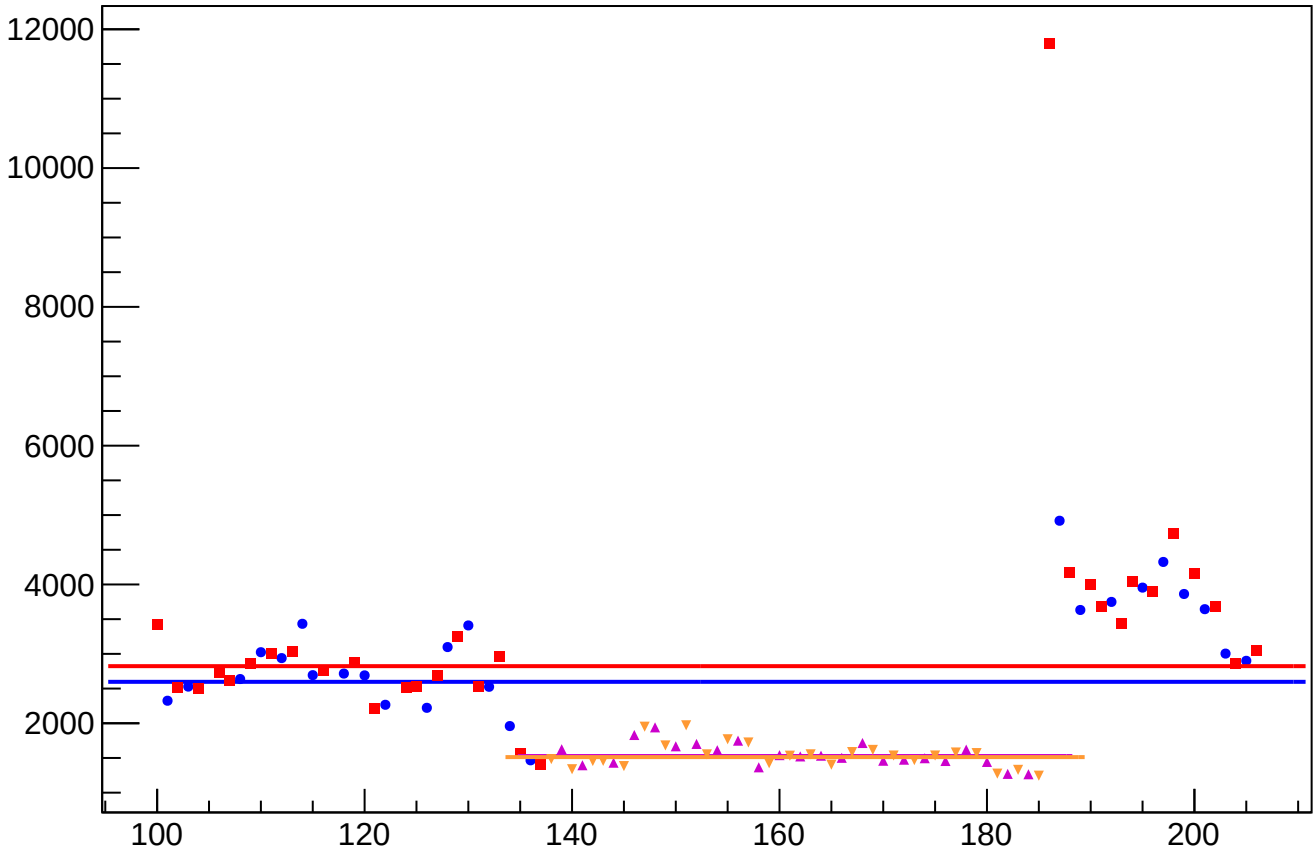
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -358.250+/-515.827 χ^2/NDF: 56.1/55

In: -362.861+/-322.102 χ^2/NDF:62.1/47

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -385.958+/-224.501 χ^2/NDF: 130.7/103



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

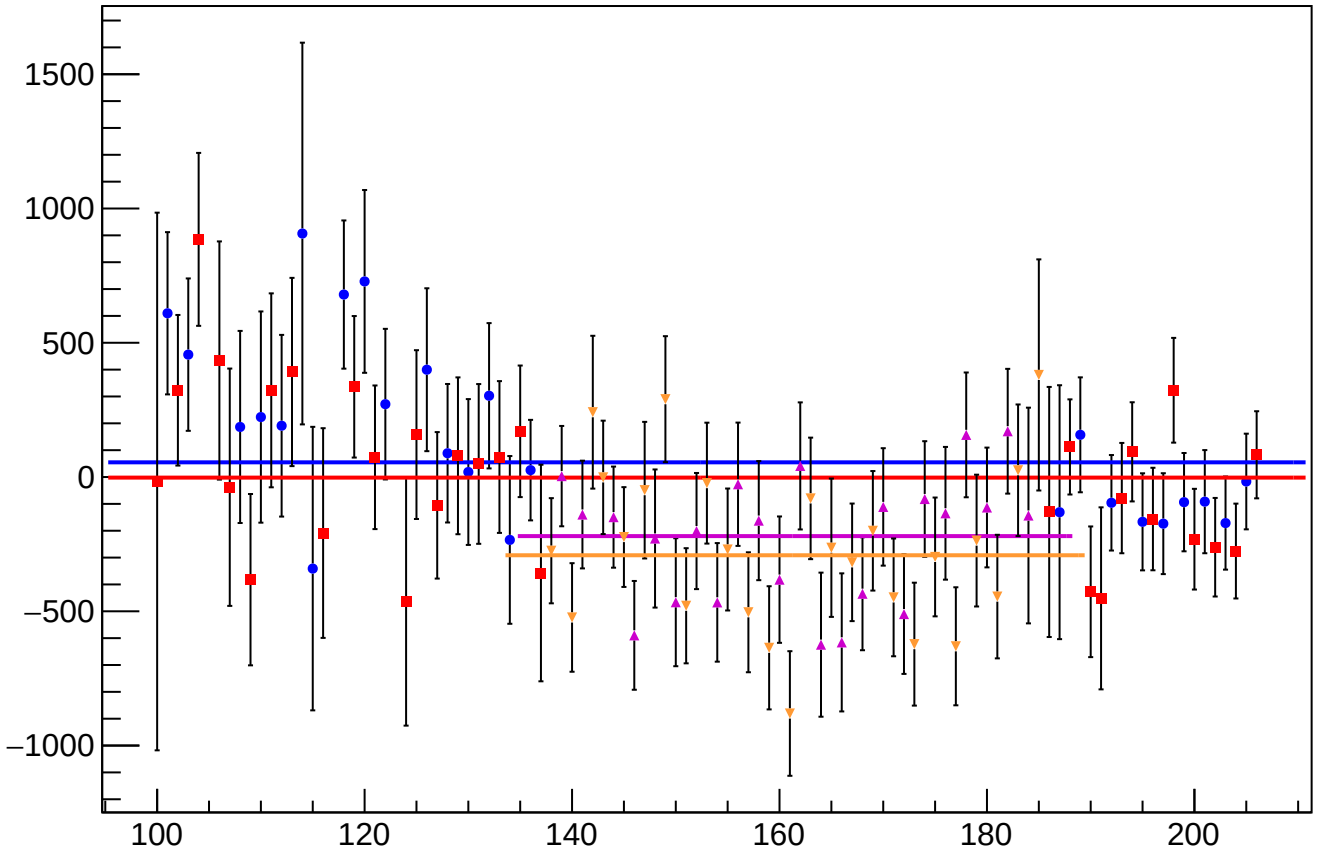
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2709.312+/-0.365 χ^2/NDF: 5508759.3/55

In: 1737.706+/-0.228 χ^2/NDF:6359457.4/47

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1745.184+/-0.159 χ^2/NDF: 14946914.7/



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -2.149+/-45.750 χ^2/NDF: 33.6/30

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

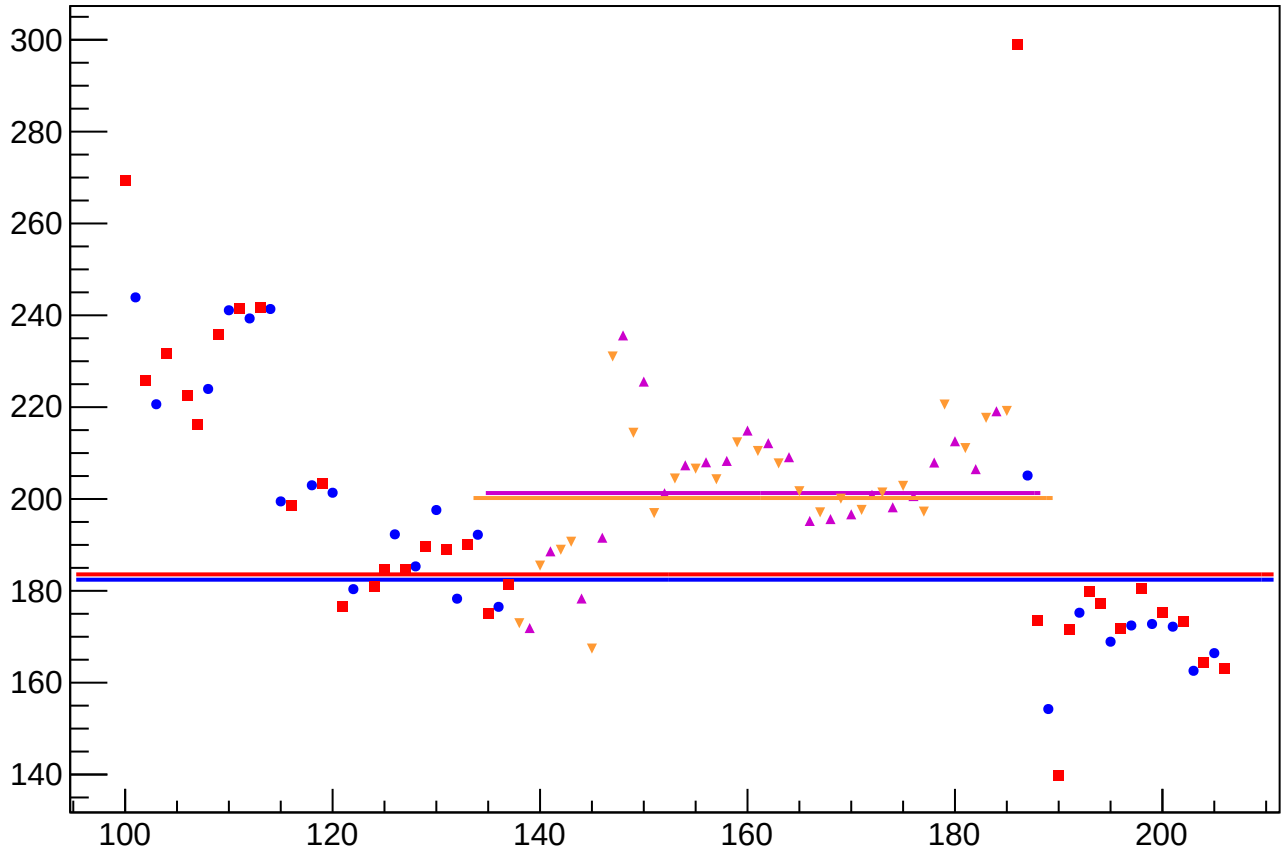
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 24.363+/-33.431 χ^2/NDF: 62.0/55

In: -87.837+/-33.964 χ^2/NDF:67.8/47

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -118.987+/-23.406 χ^2/NDF: 159.4/103



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

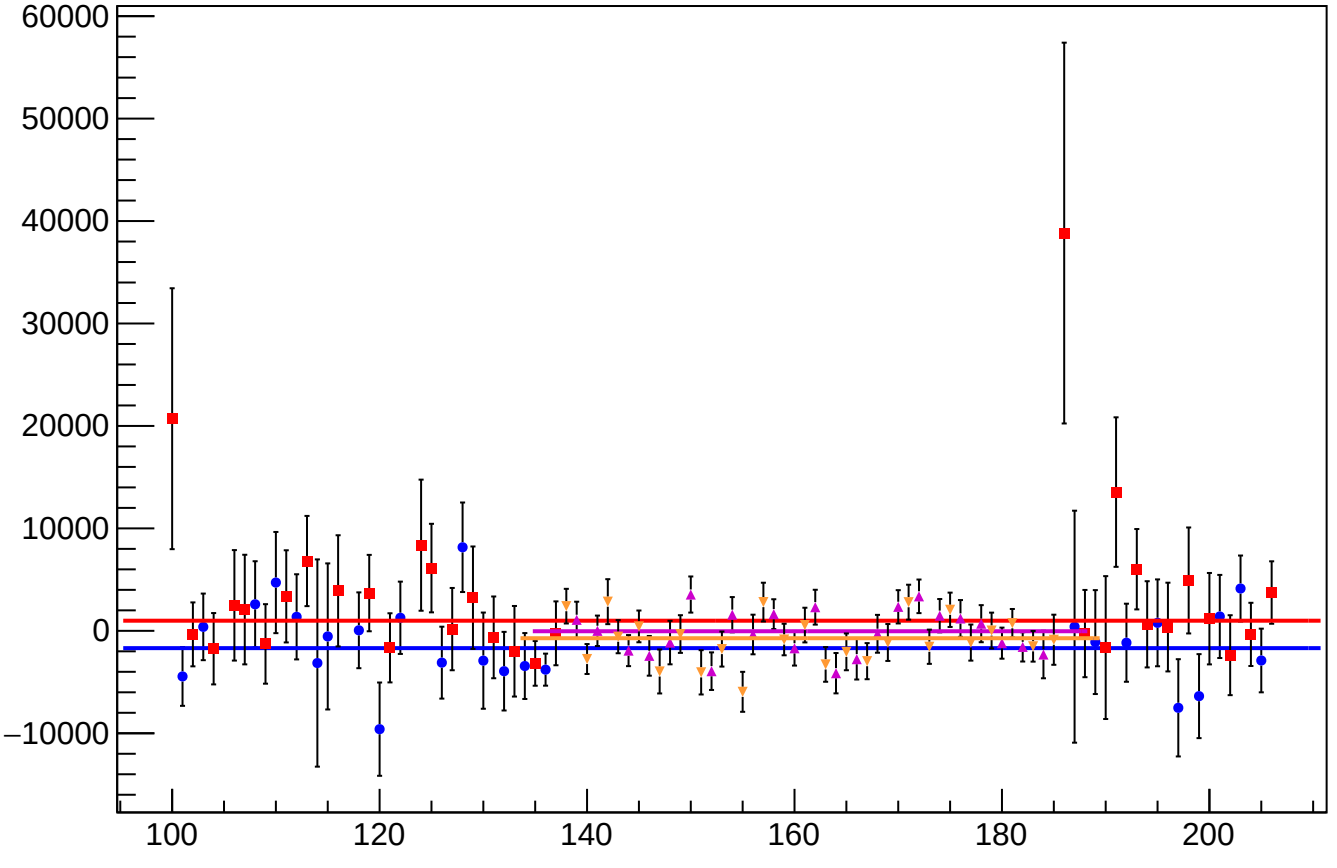
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 183.043+/-0.024 χ^2/NDF: 991831.3/55

In: 192.220+/-0.024 χ^2/NDF:742051.4/47

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 192.063+/-0.017 χ^2/NDF: 1663992.1/103



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 988.956+/-731.785 χ^2/NDF: 25.9/30

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

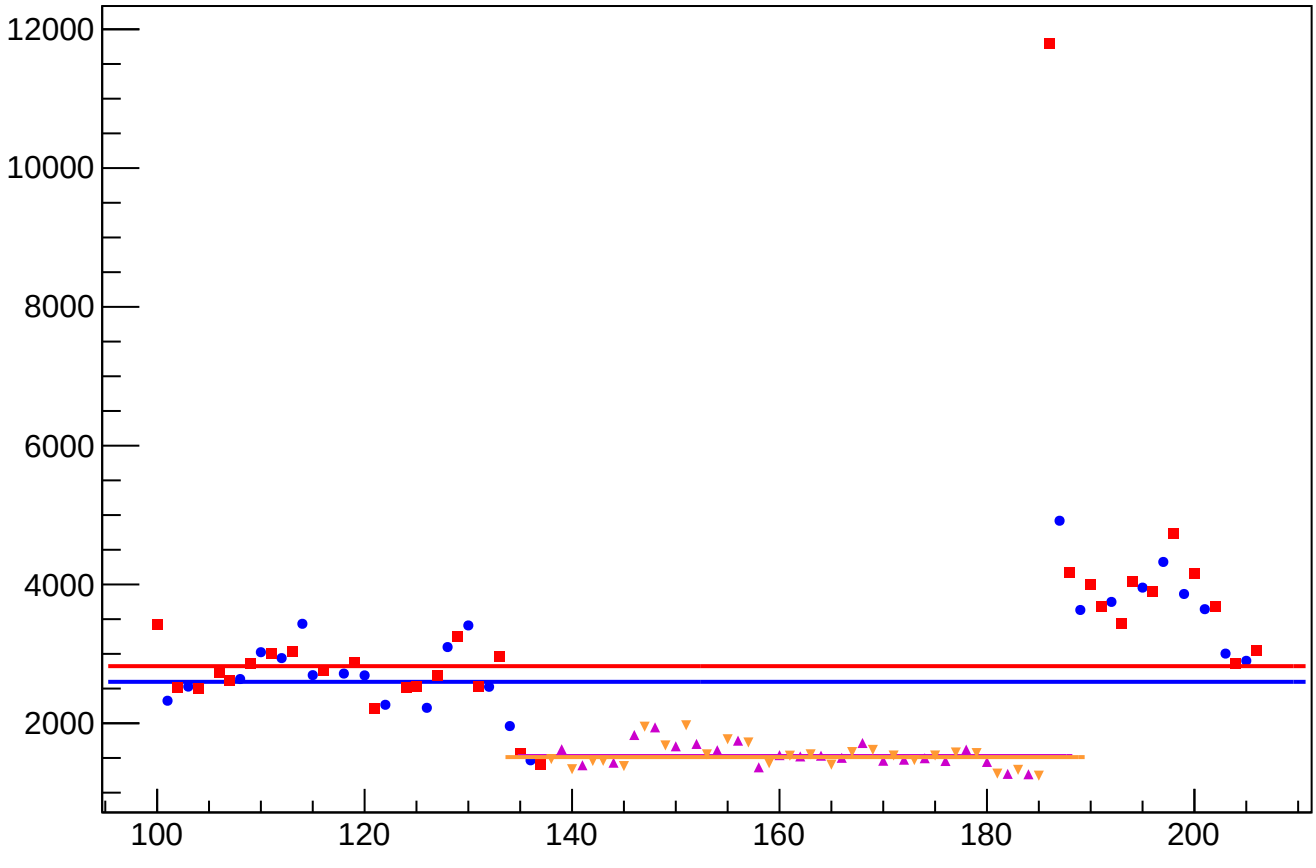
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -358.250+/-515.827 χ^2/NDF: 56.1/55

In: -362.861+/-322.102 χ^2/NDF:62.1/47

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -385.958+/-224.501 χ^2/NDF: 130.7/103



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

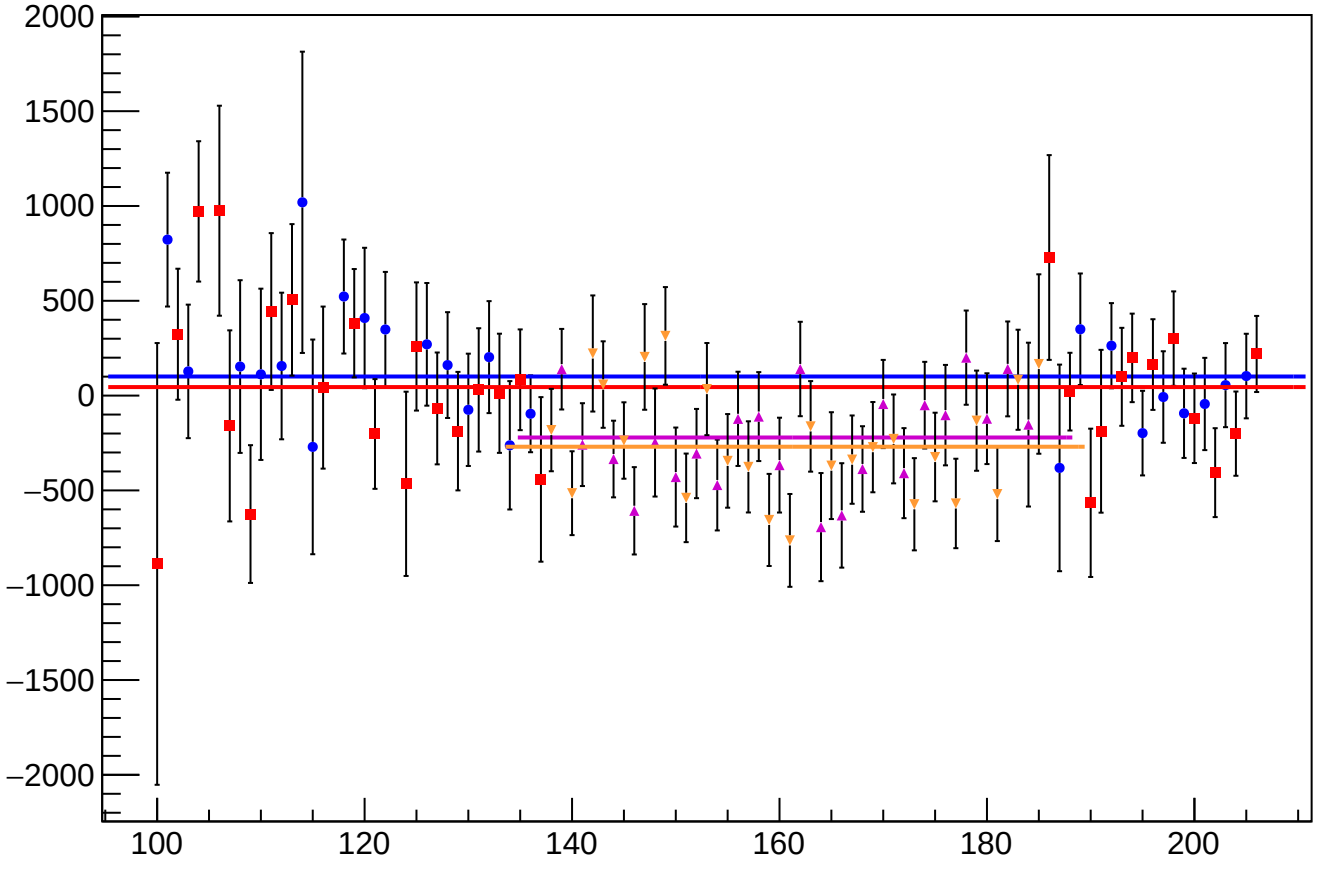
Right: 2709.312+/-0.365 χ^2/NDF: 5508759.3/55

In: 1737.706+/-0.228 χ^2/NDF:6359457.4/47

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1745.184+/-0.159 χ^2/NDF: 14946914.7/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 100.713+/-58.505 χ^2/NDF: 17.3/24

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 44.949+/-54.705 χ^2/NDF: 34.1/30

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

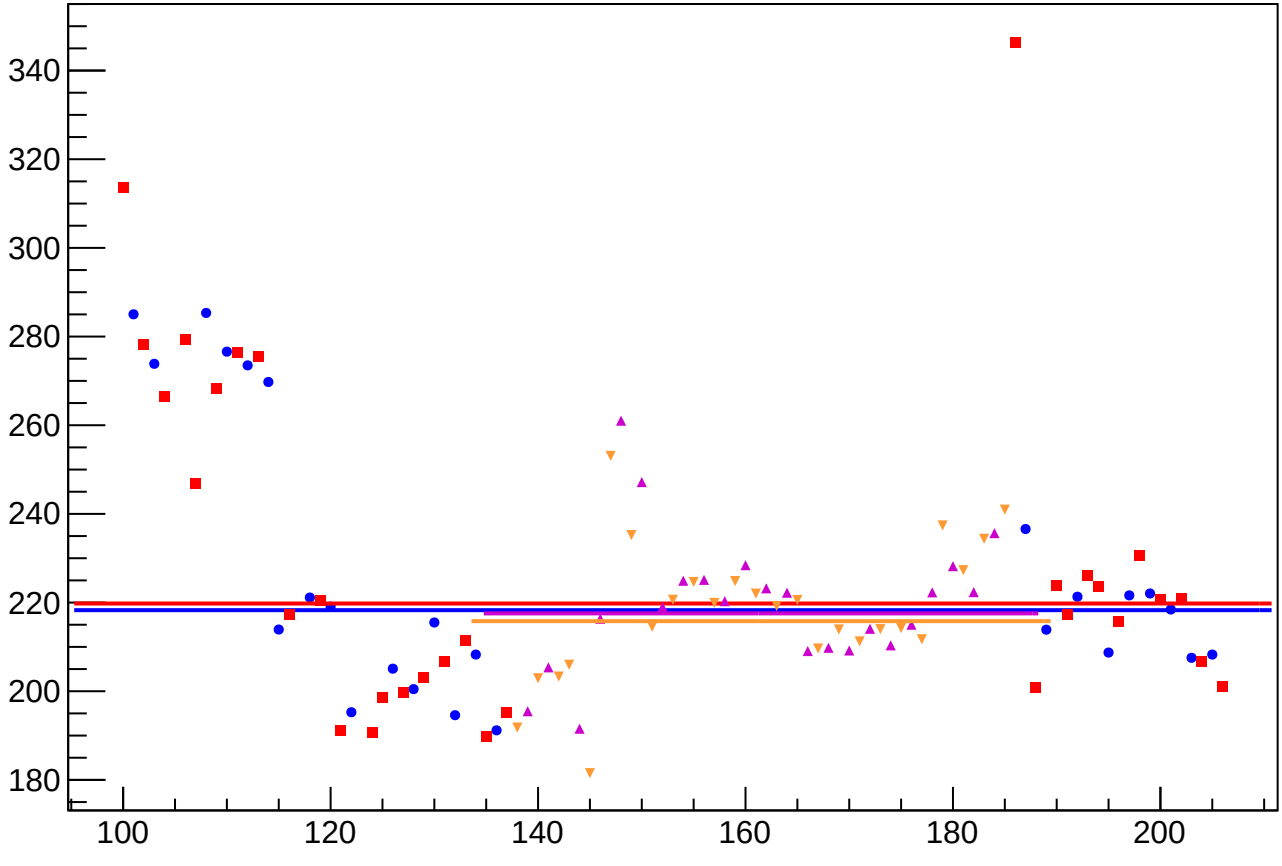
Right: 70.962+/-39.958 χ^2/NDF: 51.9/55

In: -82.184+/-38.425 χ^2/NDF:57.9/47

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -106.816+/-26.488 χ^2/NDF: 142.5/103

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 218.284+/-0.041 χ^2/NDF: 337433.2/24

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487299.2/30

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

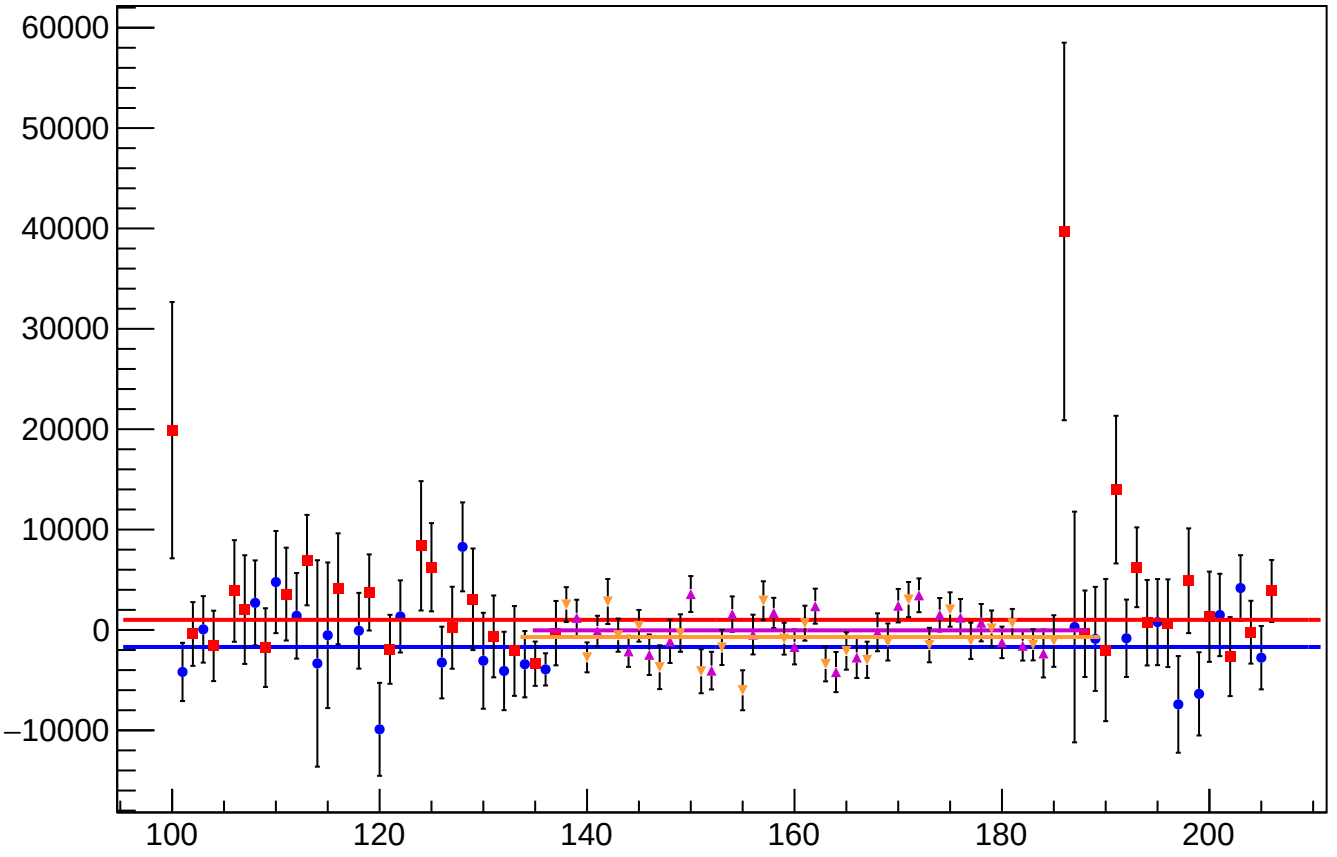
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 219.086+/-0.028 χ^2/NDF: 825435.8/55

In: 217.869+/-0.027 χ^2/NDF:498676.5/47

Out: 217.585+/-0.026 χ^2/NDF:681854.6/55

All: 217.720+/-0.019 χ^2/NDF: 1180588.8/103



Right In: -1697.510+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1007.145+/-741.571 χ^2/NDF: 26.9/30

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

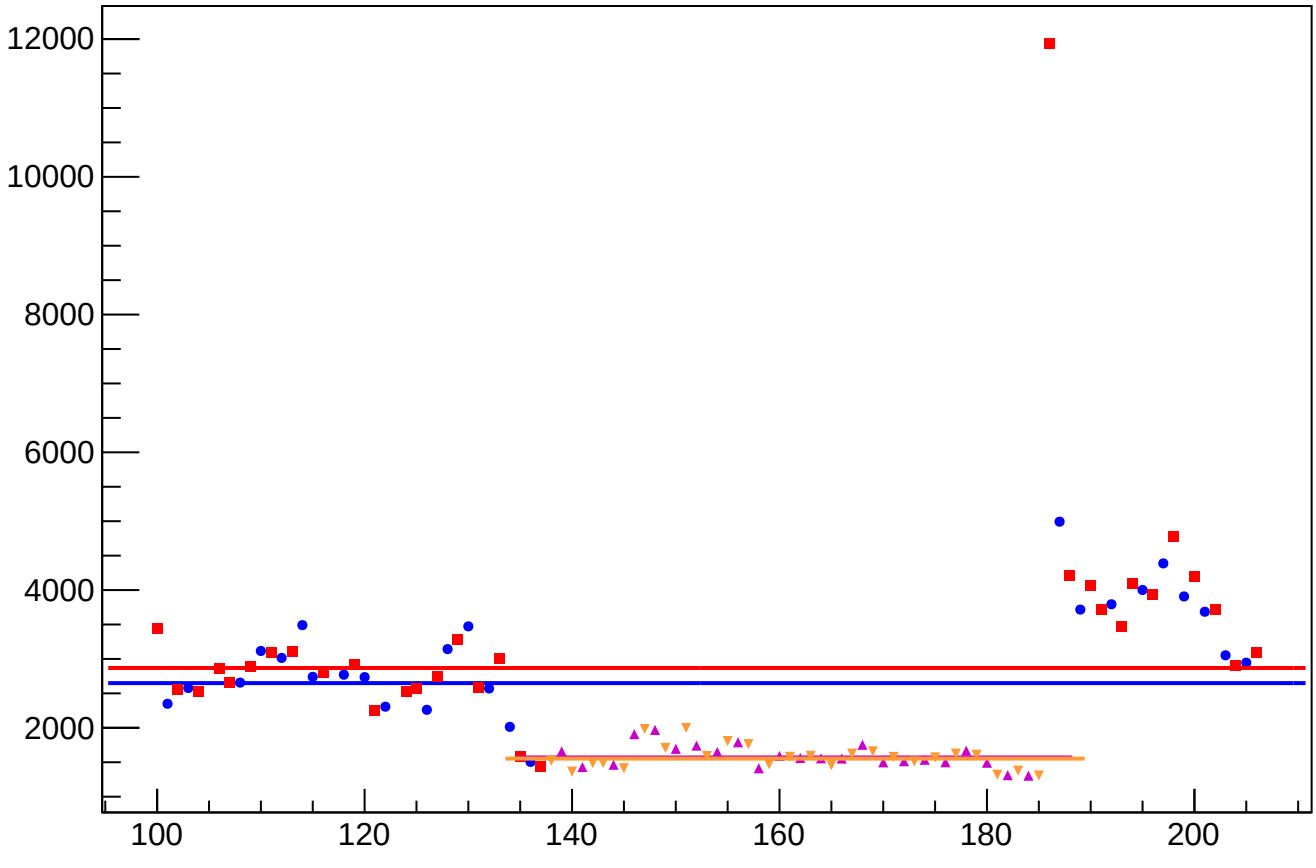
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -346.642+/-524.087 χ^2/NDF: 56.9/55

In: -369.063+/-330.200 χ^2/NDF:61.7/47

Out: -384.308+/-320.540 χ^2/NDF:68.8/55

All: -376.912+/-229.995 χ^2/NDF: 130.5/103



Right In: 2649.048+/-0.524 χ^2/NDF: 2452724.9/24

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2868.782+/-0.524 χ^2/NDF: 2860255.1/30

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

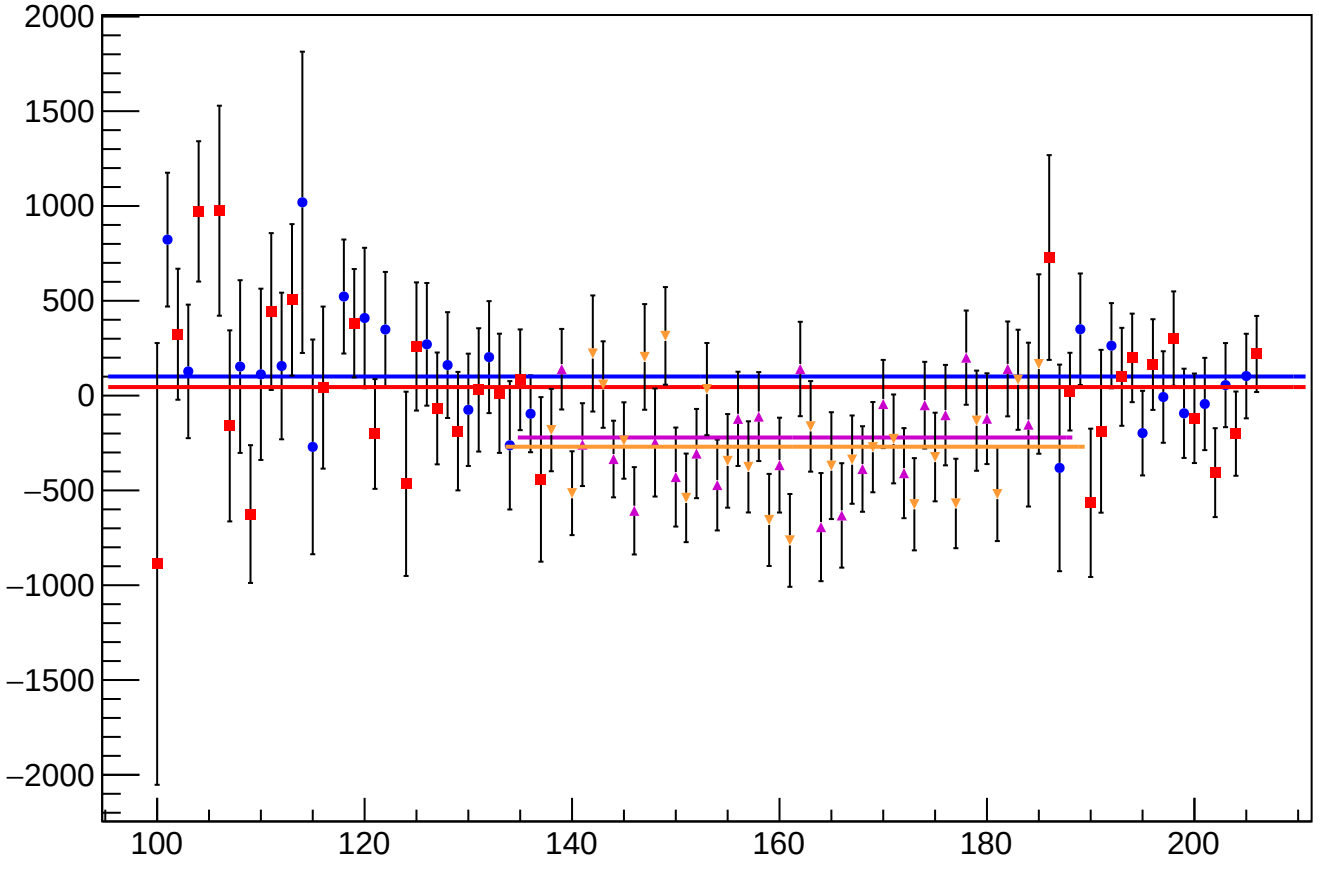
Right: 2758.796+/-0.371 χ^2/NDF: 5400873.5/55

In: 1783.906+/-0.233 χ^2/NDF:6214584.5/47

Out: 1798.850+/-0.227 χ^2/NDF:8390046.5/55

All: 1791.600+/-0.163 χ^2/NDF: 14606740.1/1

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 100.716+/-58.504 χ^2/NDF: 17.3/24

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 44.950+/-54.705 χ^2/NDF: 34.1/30

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

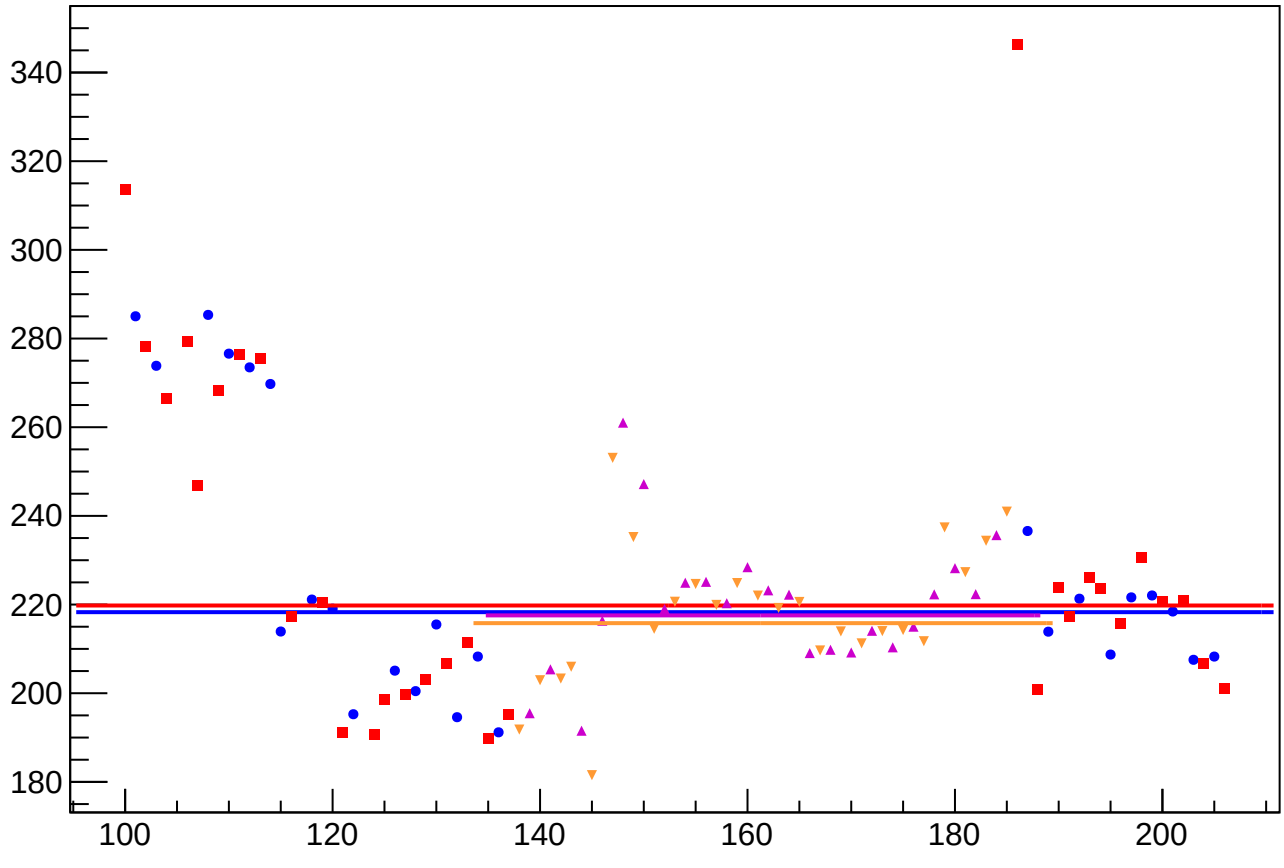
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 70.963+/-39.958 χ^2/NDF: 51.9/55

In: -82.183+/-38.425 χ^2/NDF:57.9/47

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -106.816+/-26.488 χ^2/NDF: 142.5/103



Right In: 218.284+/-0.041 χ^2/NDF: 337424.2/24

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487282.1/30

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

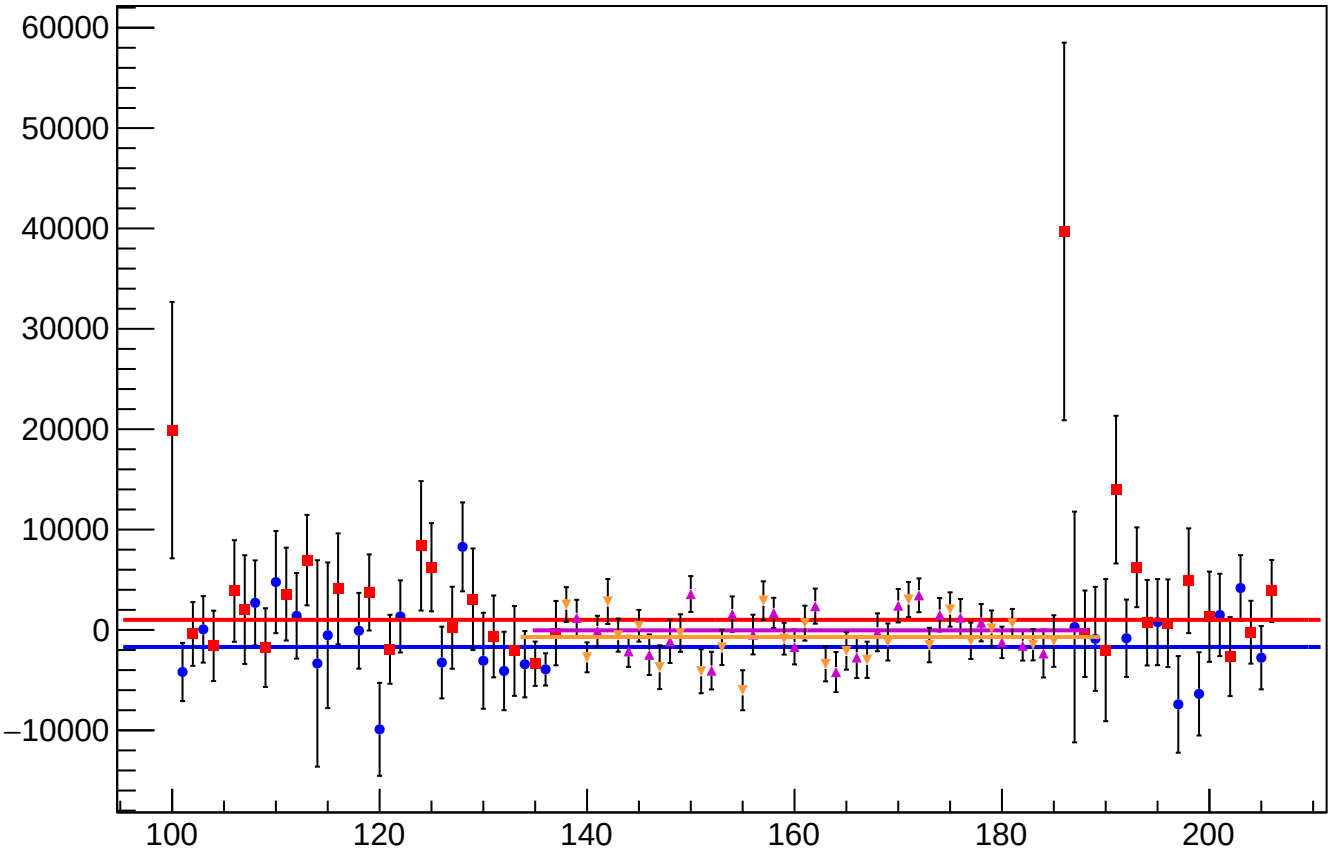
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 219.085+/-0.028 χ^2/NDF: 825409.8/55

In: 217.869+/-0.027 χ^2/NDF:498669.9/47

Out: 217.584+/-0.026 χ^2/NDF:681840.8/55

All: 217.720+/-0.019 χ^2/NDF: 1180568.3/103



Right In: -1697.508+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1007.146+/-741.570 χ^2/NDF: 26.9/30

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

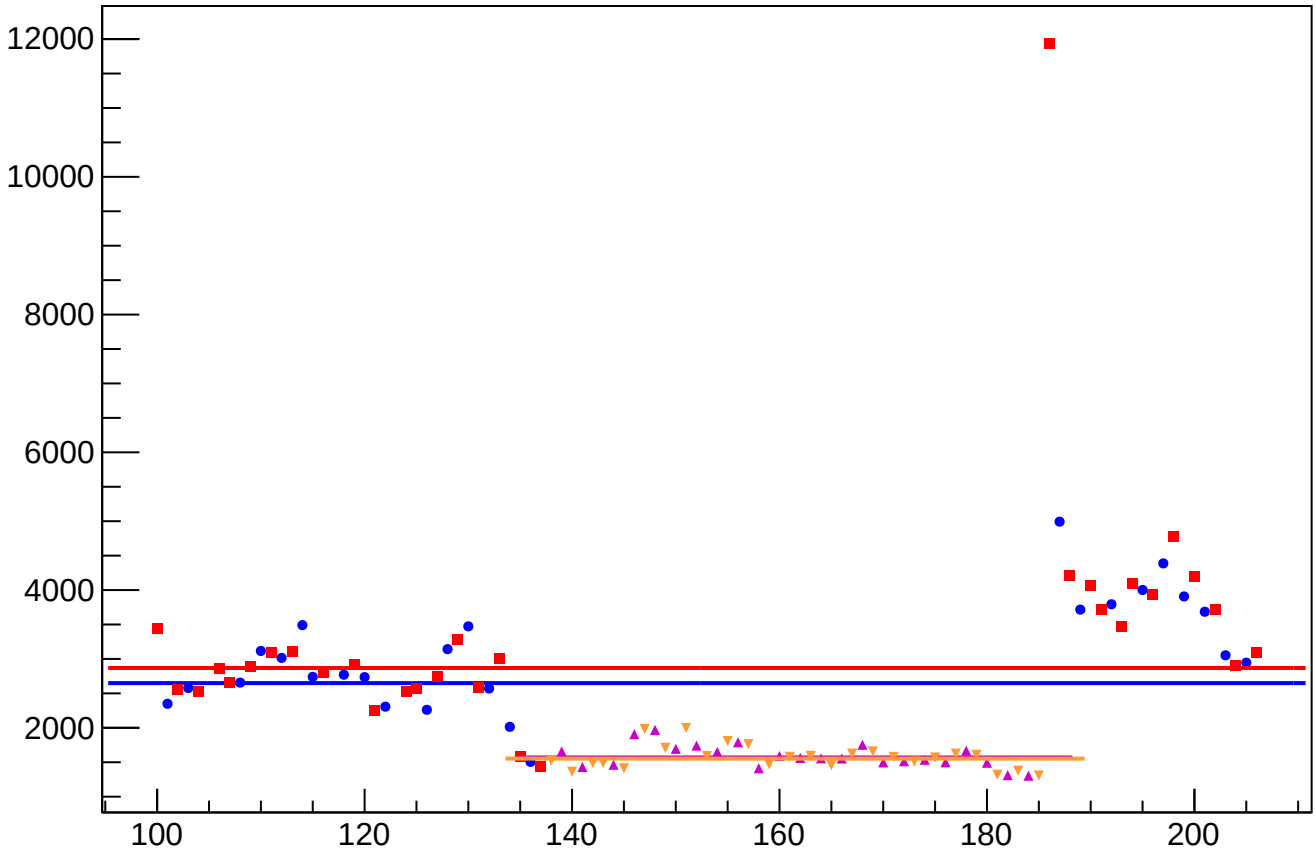
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -346.640+/-524.087 χ^2/NDF: 56.9/55

In: -369.062+/-330.200 χ^2/NDF:61.7/47

Out: -384.307+/-320.540 χ^2/NDF:68.8/55

All: -376.911+/-229.995 χ^2/NDF: 130.5/103



Right In: 2649.045+/-0.524 χ^2/NDF: 2452721.7/24

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2868.779+/-0.524 χ^2/NDF: 2860258.0/30

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

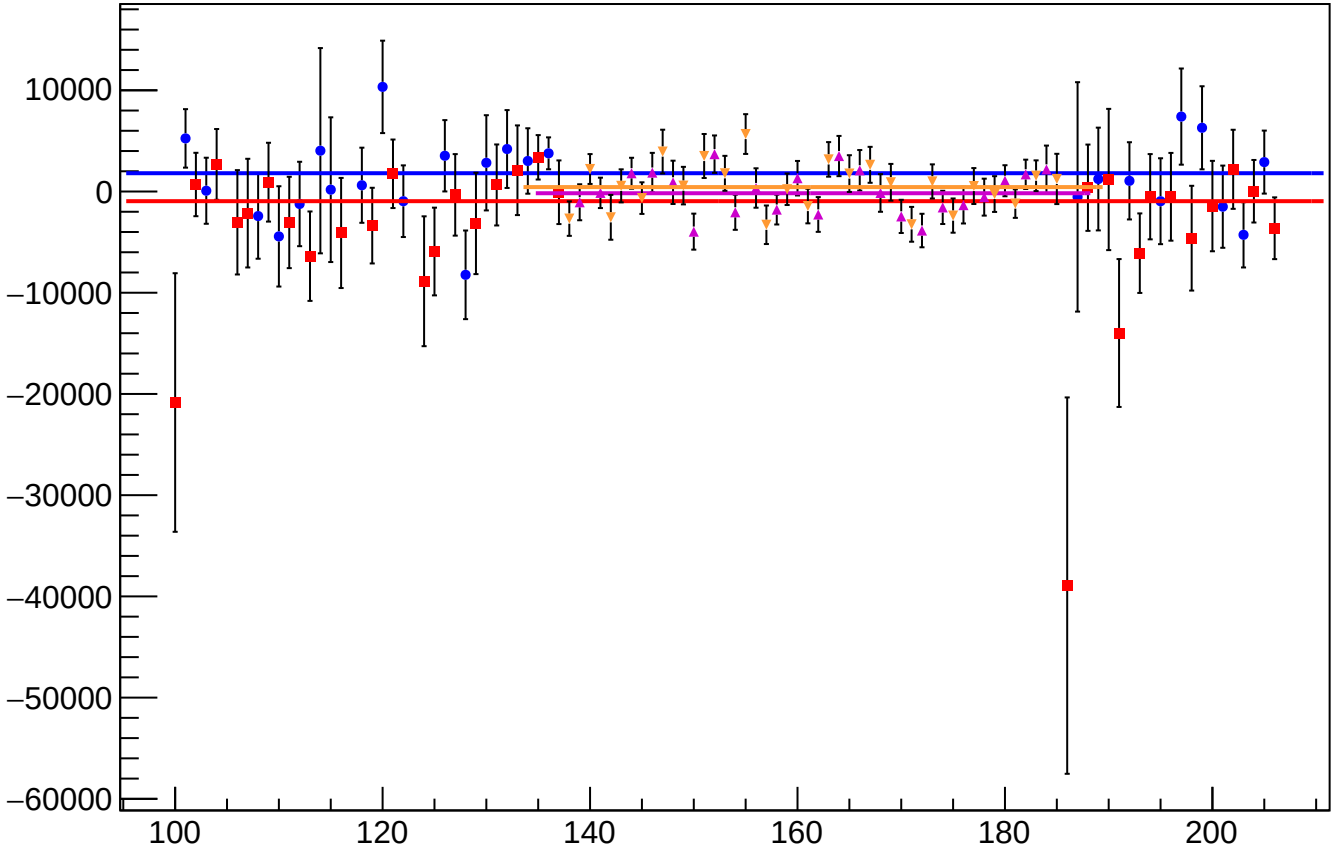
Right: 2758.794+/-0.371 χ^2/NDF: 5400872.9/55

In: 1783.906+/-0.233 χ^2/NDF:6214573.8/47

Out: 1798.850+/-0.227 χ^2/NDF:8390033.8/55

All: 1791.600+/-0.163 χ^2/NDF: 14606716.8/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1808.055+/-730.013 χ^2/NDF: 24.2/24

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -954.465+/-733.365 χ^2/NDF: 26.3/30

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

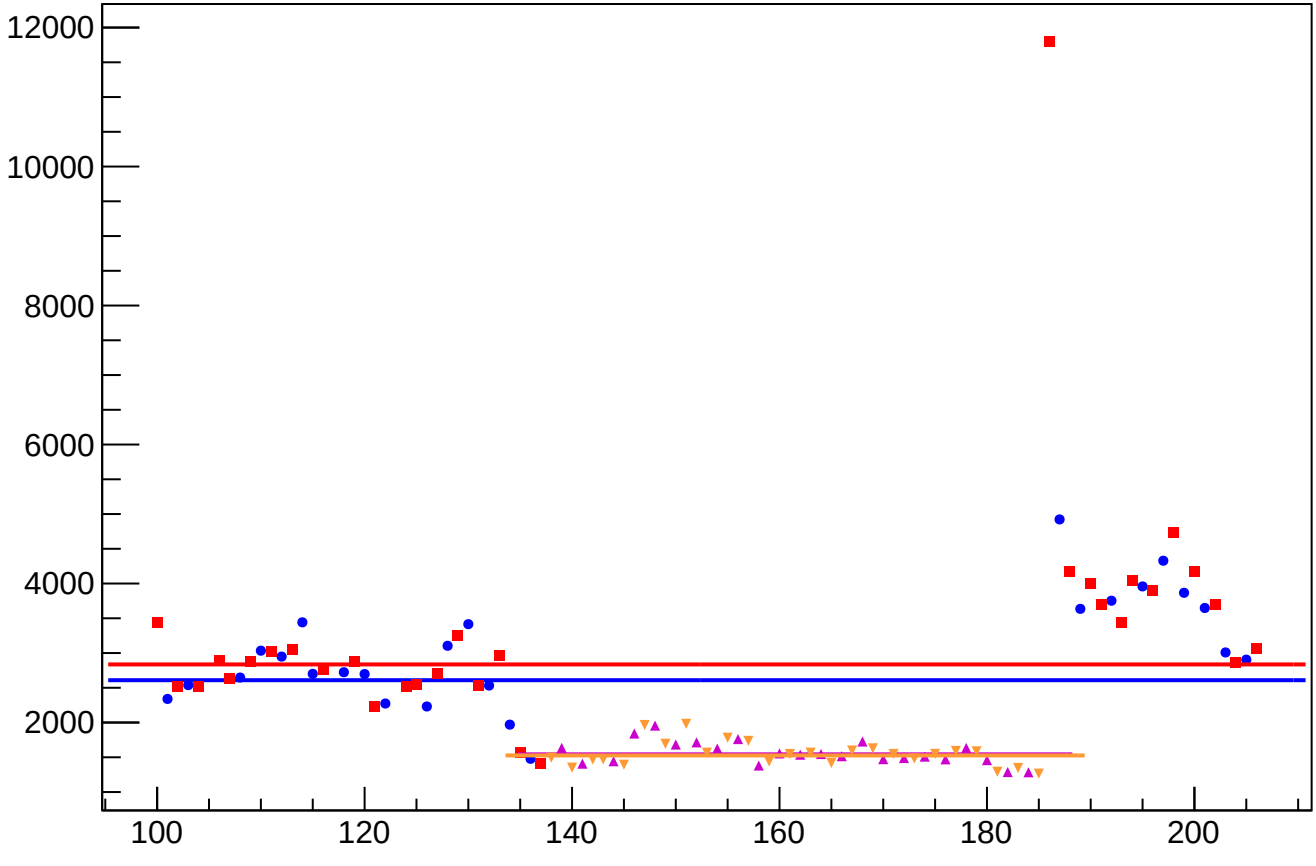
Right: 433.123+/-517.378 χ^2/NDF: 57.7/55

In: 221.493+/-324.710 χ^2/NDF:63.1/47

Out: 179.791+/-315.563 χ^2/NDF:68.1/55

All: 200.046+/-226.301 χ^2/NDF: 131.2/103

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2609.012+/-0.516 χ^2/NDF: 2474726.5/24

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2836.152+/-0.519 χ^2/NDF: 2869681.5/30

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

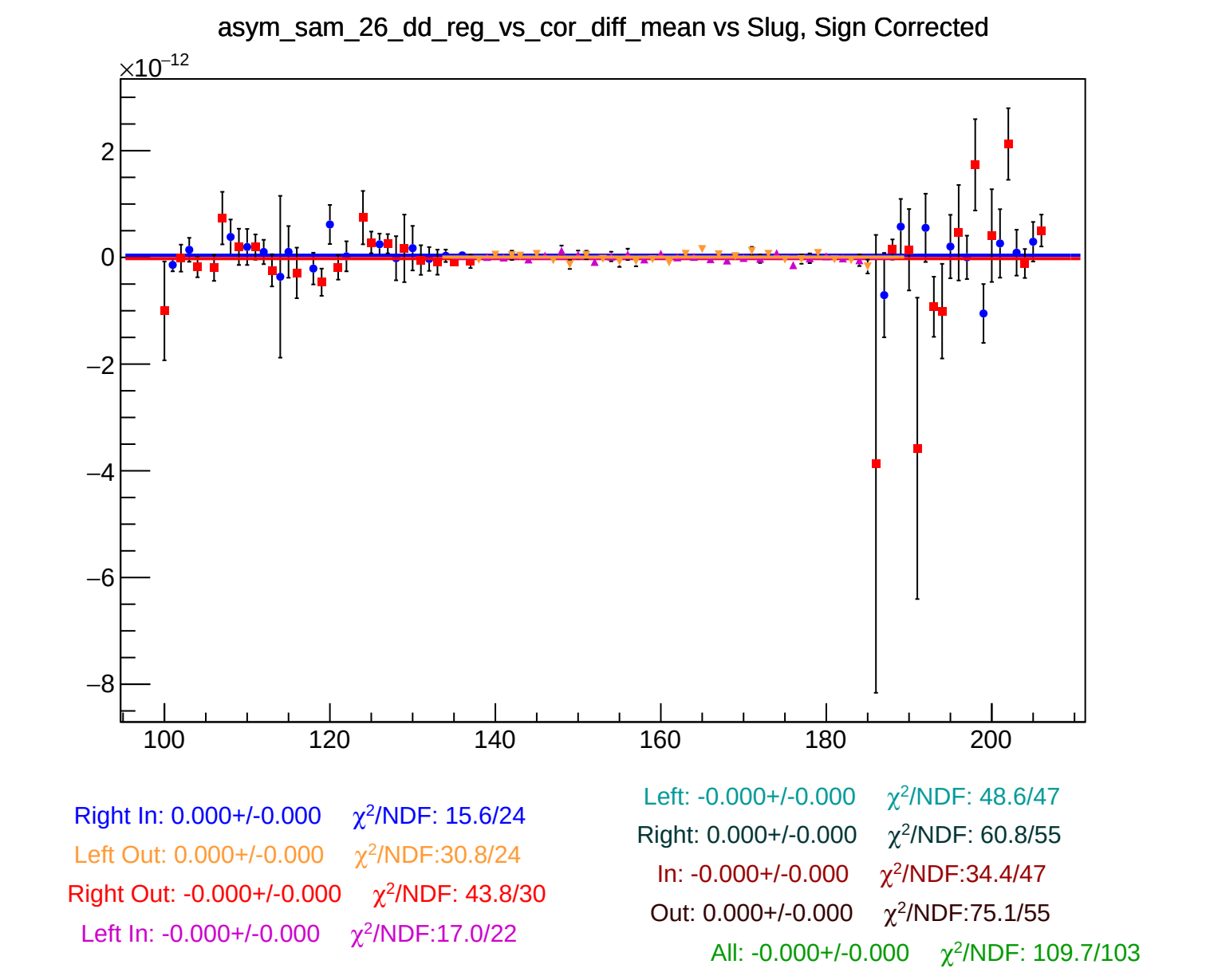
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

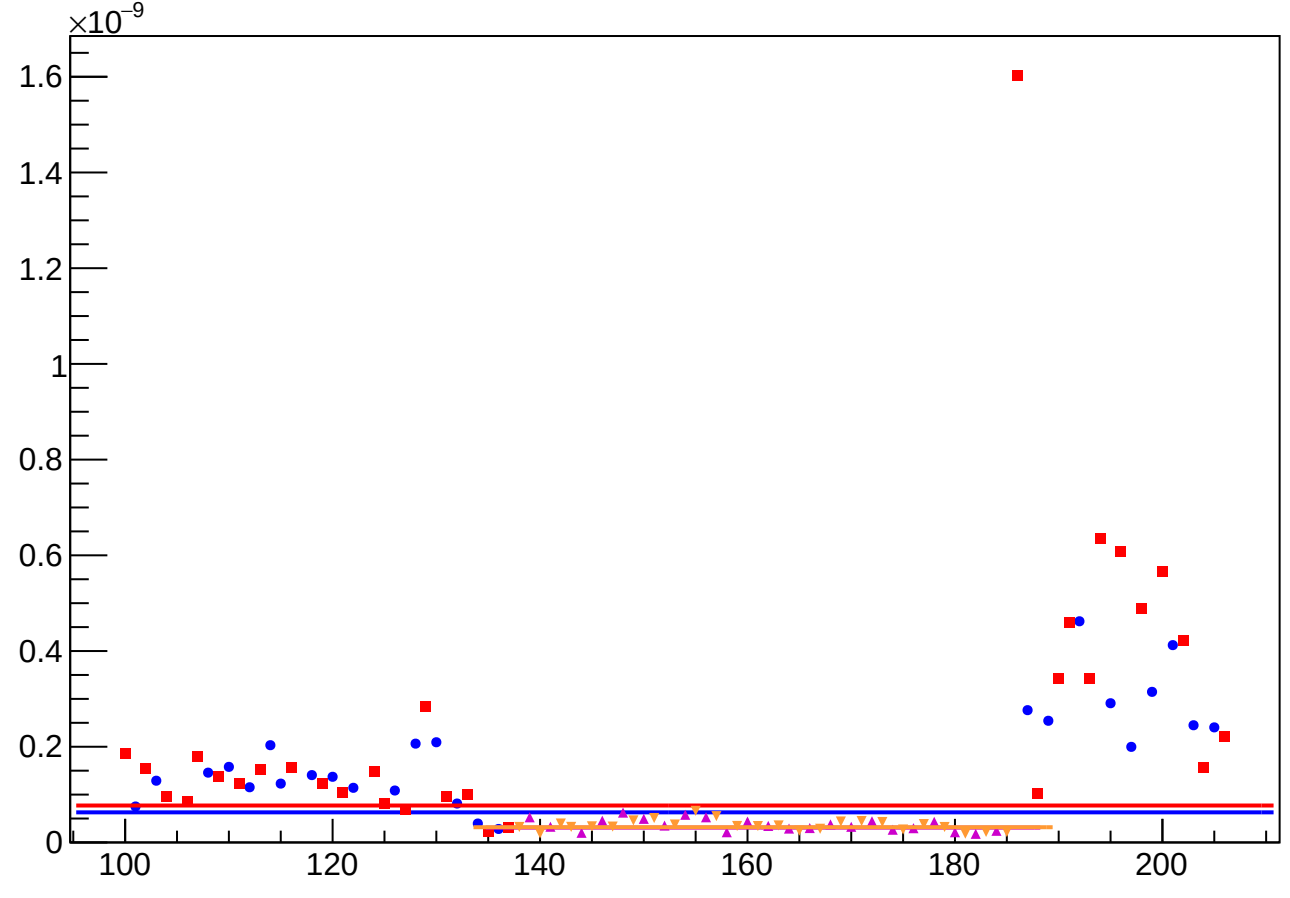
Right: 2722.062+/-0.366 χ^2/NDF: 5440775.8/55

In: 1753.317+/-0.230 χ^2/NDF:6262731.2/47

Out: 1769.170+/-0.223 χ^2/NDF:8494652.1/55

All: 1761.470+/-0.160 χ^2/NDF: 14759835.2/


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.6/24
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 43.8/30
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 60.8/55
In: -0.000+/-0.000 χ²/NDF:34.4/47
Out: 0.000+/-0.000 χ²/NDF:75.1/55
All: -0.000+/-0.000 χ²/NDF: 109.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6266059.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440717.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

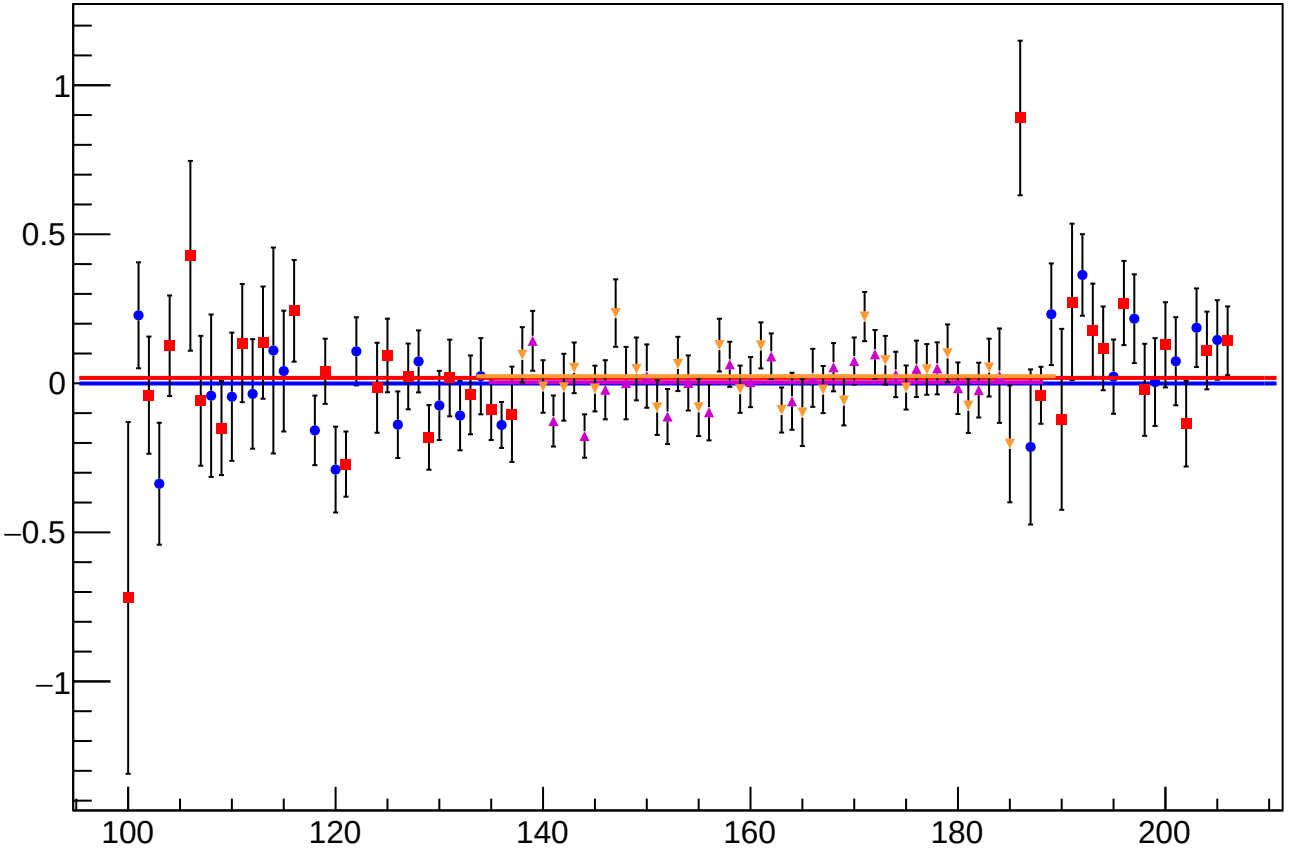
Right: 0.000+/-0.000 χ^2/NDF: 13845729.6/55

In: 0.000+/-0.000 χ^2/NDF:9290762.0/47

Out: 0.000+/-0.000 χ^2/NDF:10931717.6/55

All: 0.000+/-0.000 χ^2/NDF: 20228697.6/103

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

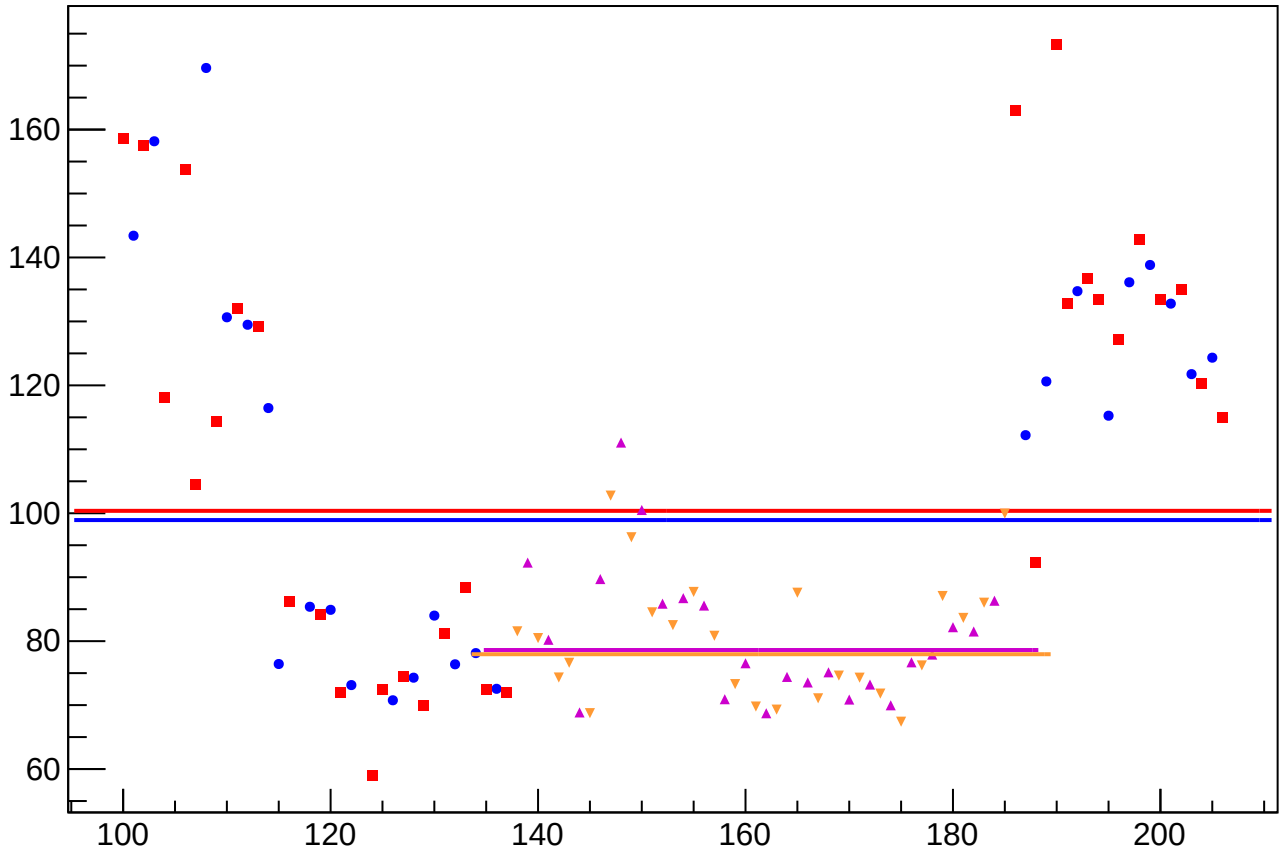
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: 0.009+/-0.019 χ^2/NDF: 74.6/55

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.013+/-0.011 χ^2/NDF: 119.7/103



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

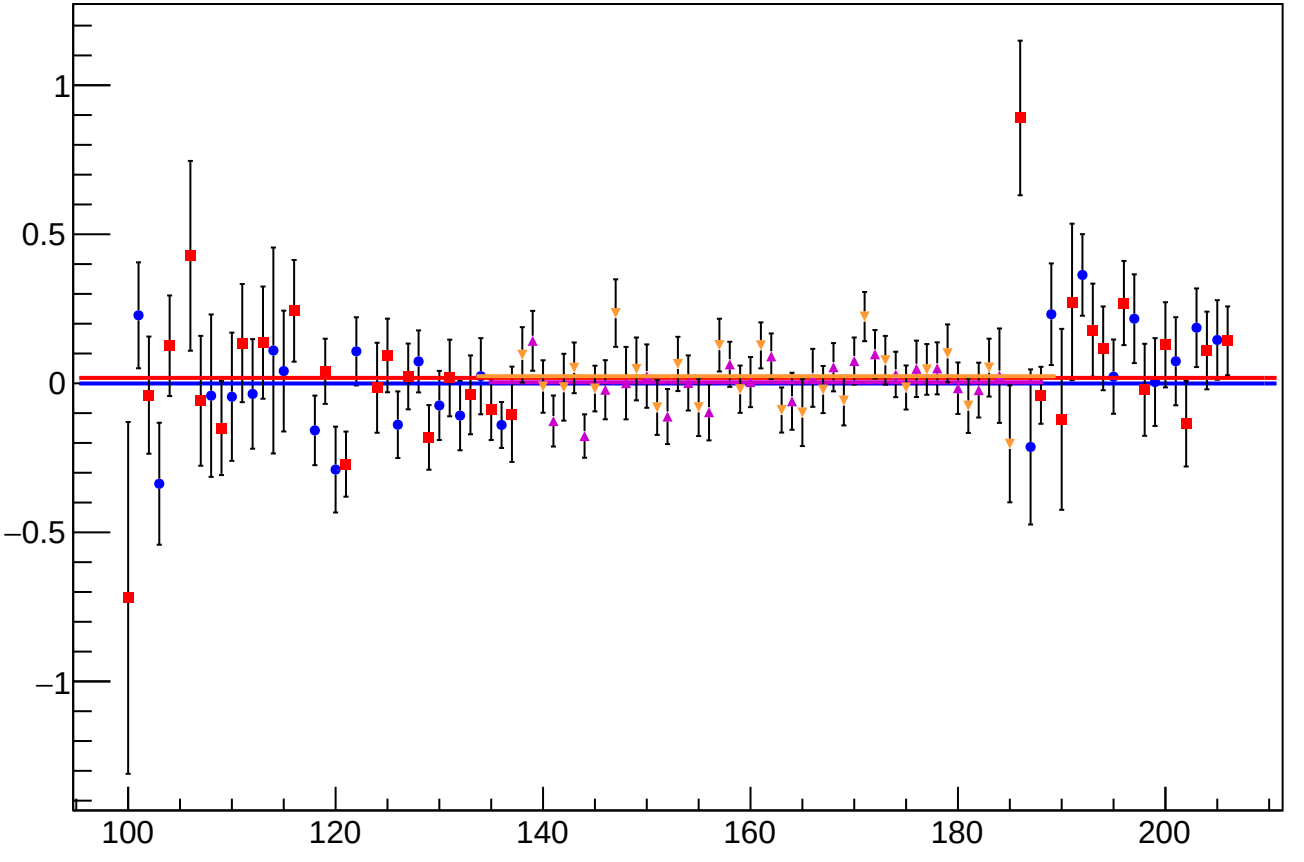
Right: 99.699+/-0.013 χ^2/NDF: 4448150.5/55

In: 84.966+/-0.011 χ^2/NDF:3303161.6/47

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.068+/-0.008 χ^2/NDF: 7145041.4/103

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

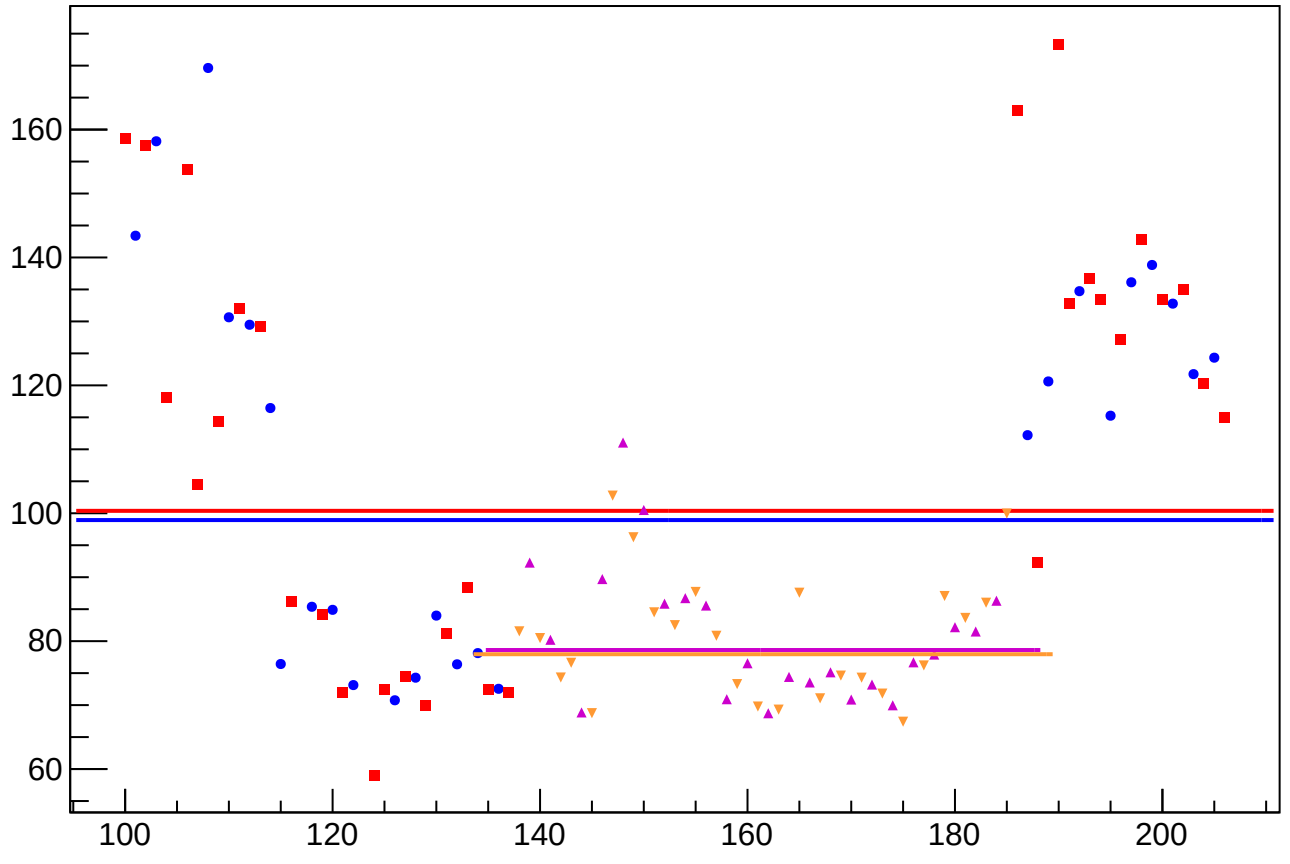
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: 0.009+/-0.019 χ^2/NDF: 74.6/55

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.013+/-0.011 χ^2/NDF: 119.7/103



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

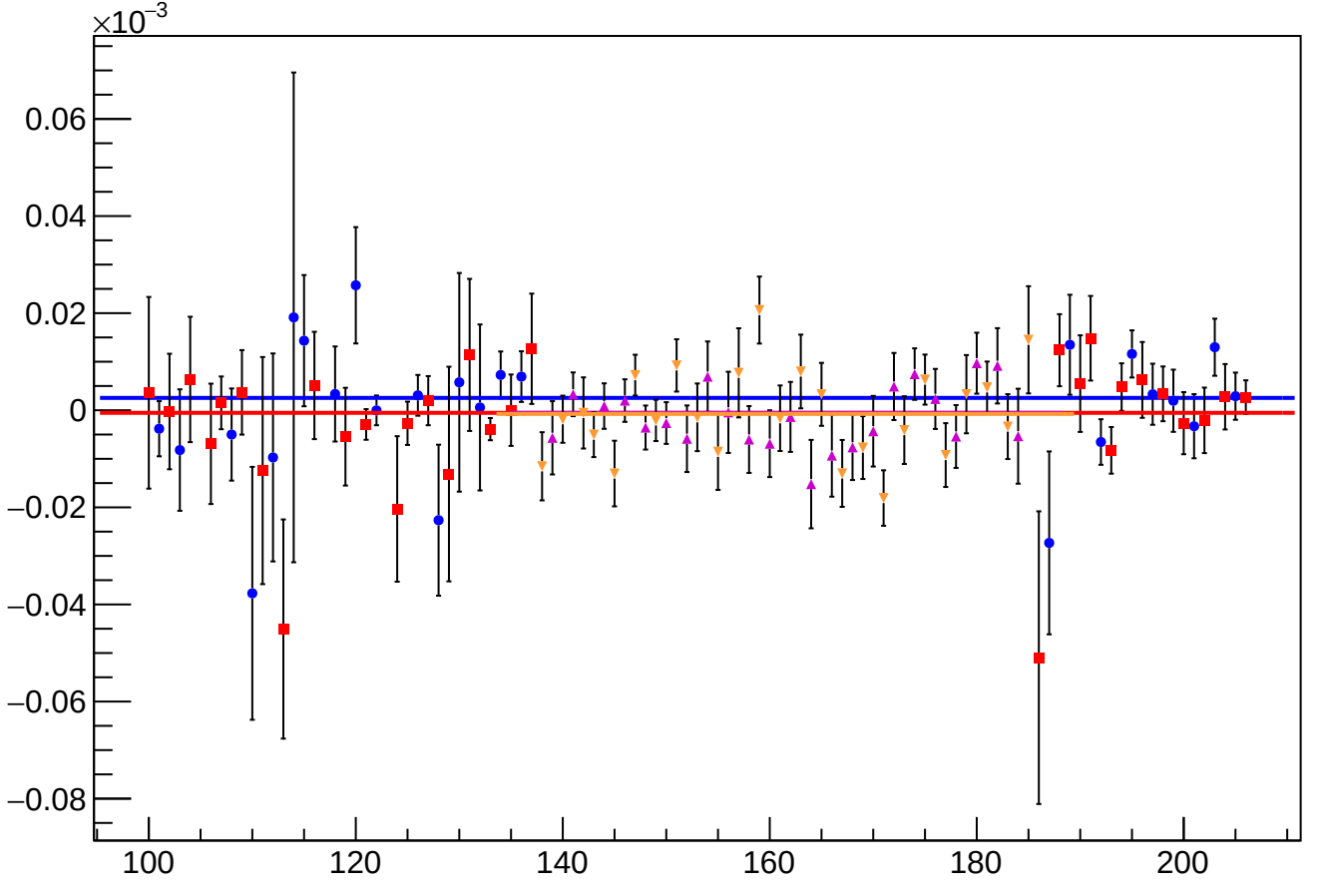
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 99.699+/-0.013 χ^2/NDF: 4448150.5/55

In: 84.966+/-0.011 χ^2/NDF:3303161.6/47

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.068+/-0.008 χ^2/NDF: 7145041.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

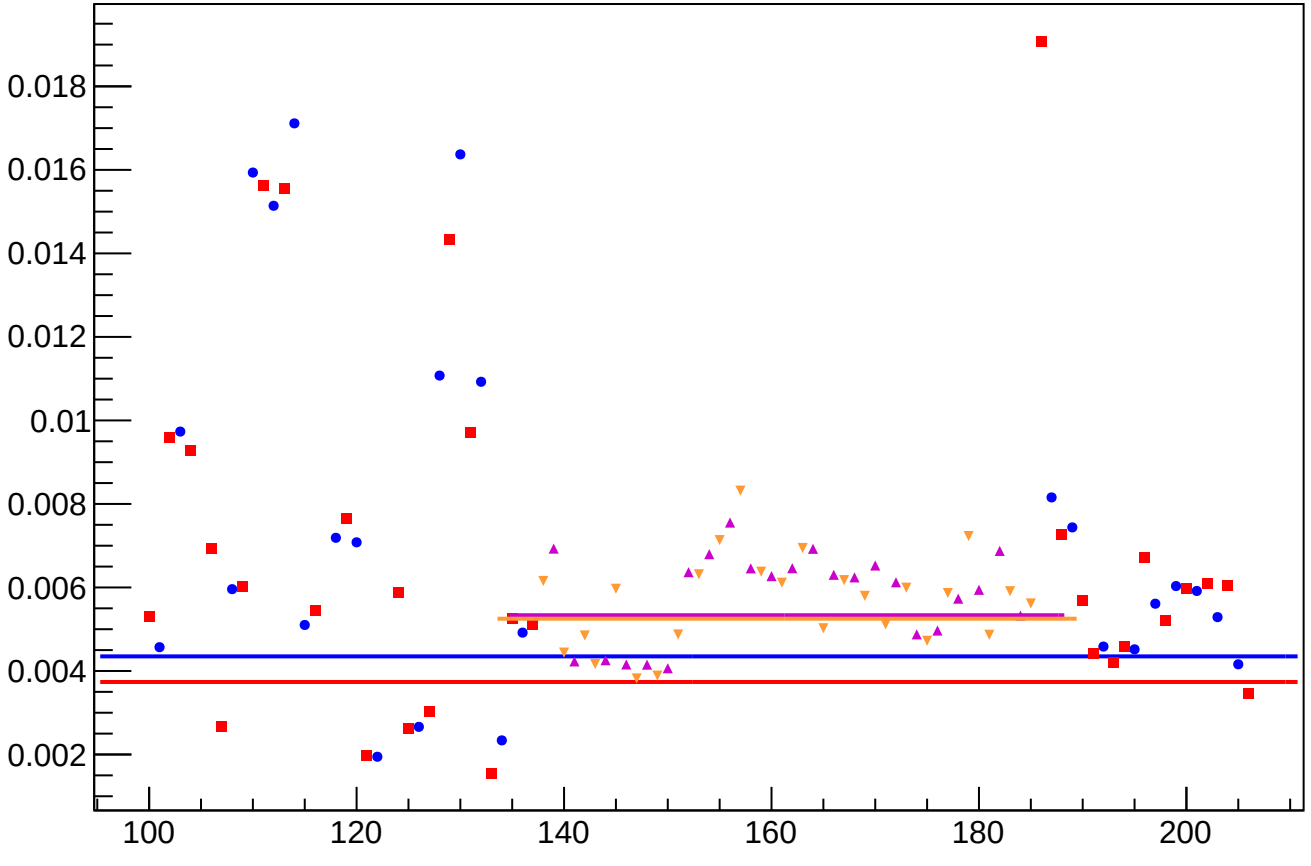
Right: 0.000+/-0.000 χ^2/NDF: 61.4/55

In: 0.000+/-0.000 χ^2/NDF:51.3/47

Out: -0.000+/-0.000 χ^2/NDF:76.0/55

All: 0.000+/-0.000 χ^2/NDF: 128.9/103

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5558528.8/24

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8460204.3/30

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

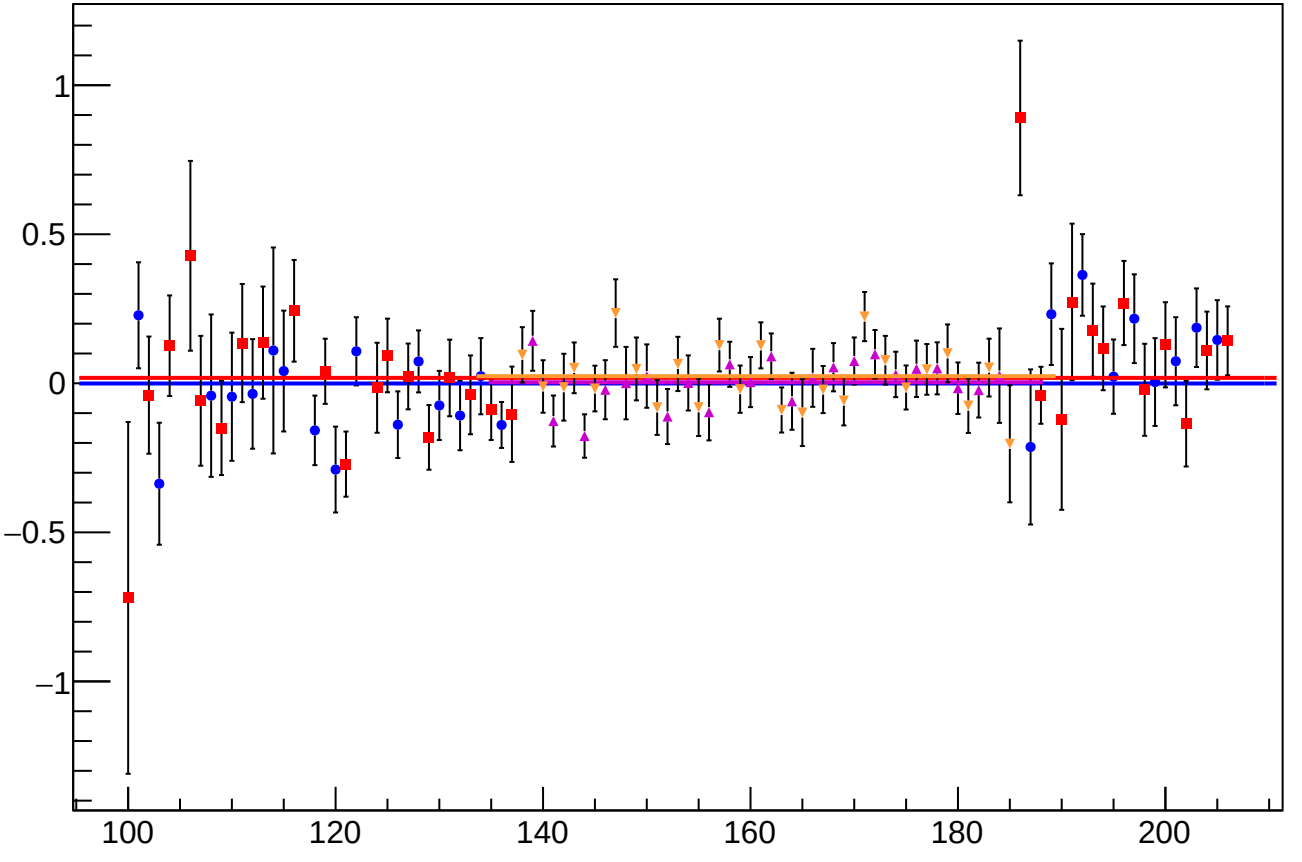
Right: 0.004+/-0.000 χ^2/NDF: 14273894.8/55

In: 0.005+/-0.000 χ^2/NDF:7639215.0/47

Out: 0.004+/-0.000 χ^2/NDF:11676307.5/55

All: 0.005+/-0.000 χ^2/NDF: 19581665.5/103

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

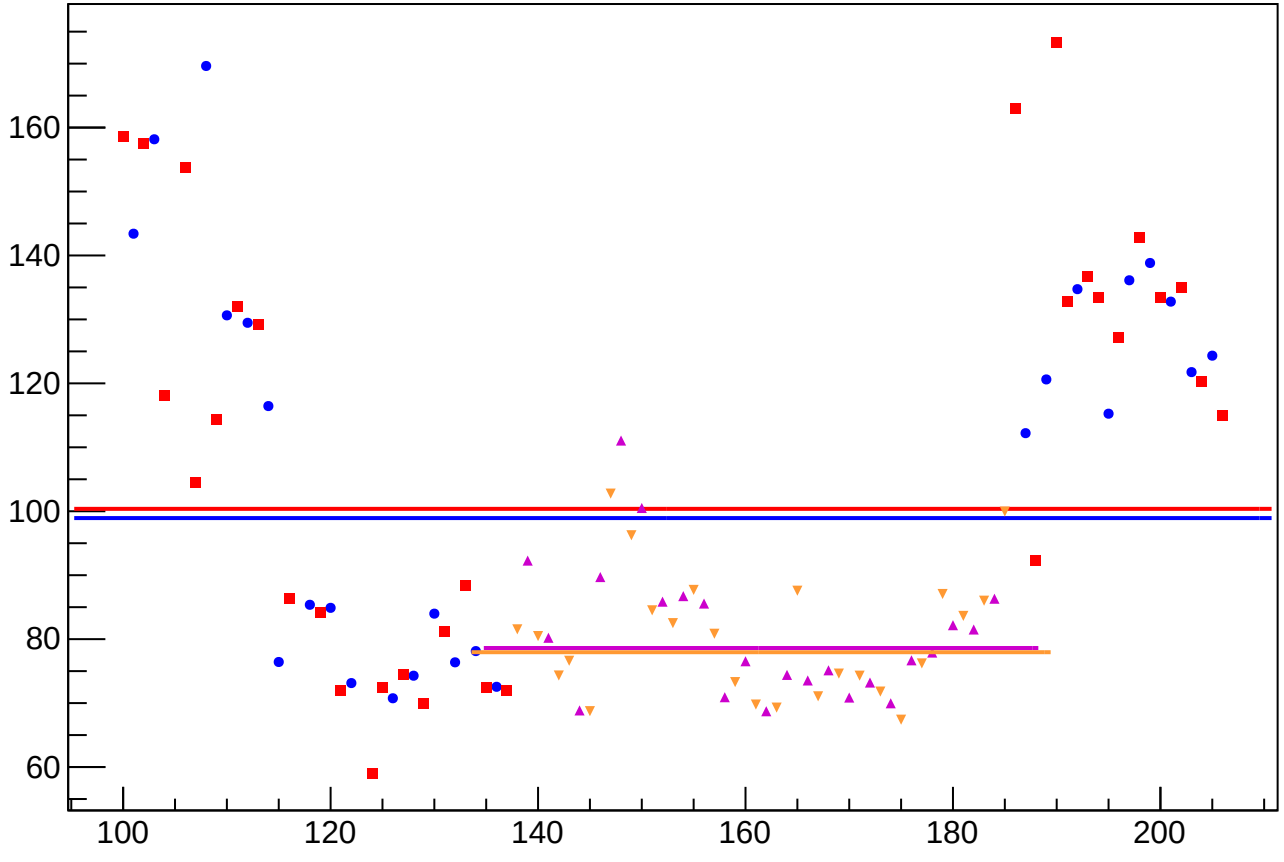
Right: 0.009+/-0.019 χ^2/NDF: 74.6/55

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.013+/-0.011 χ^2/NDF: 119.7/103

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

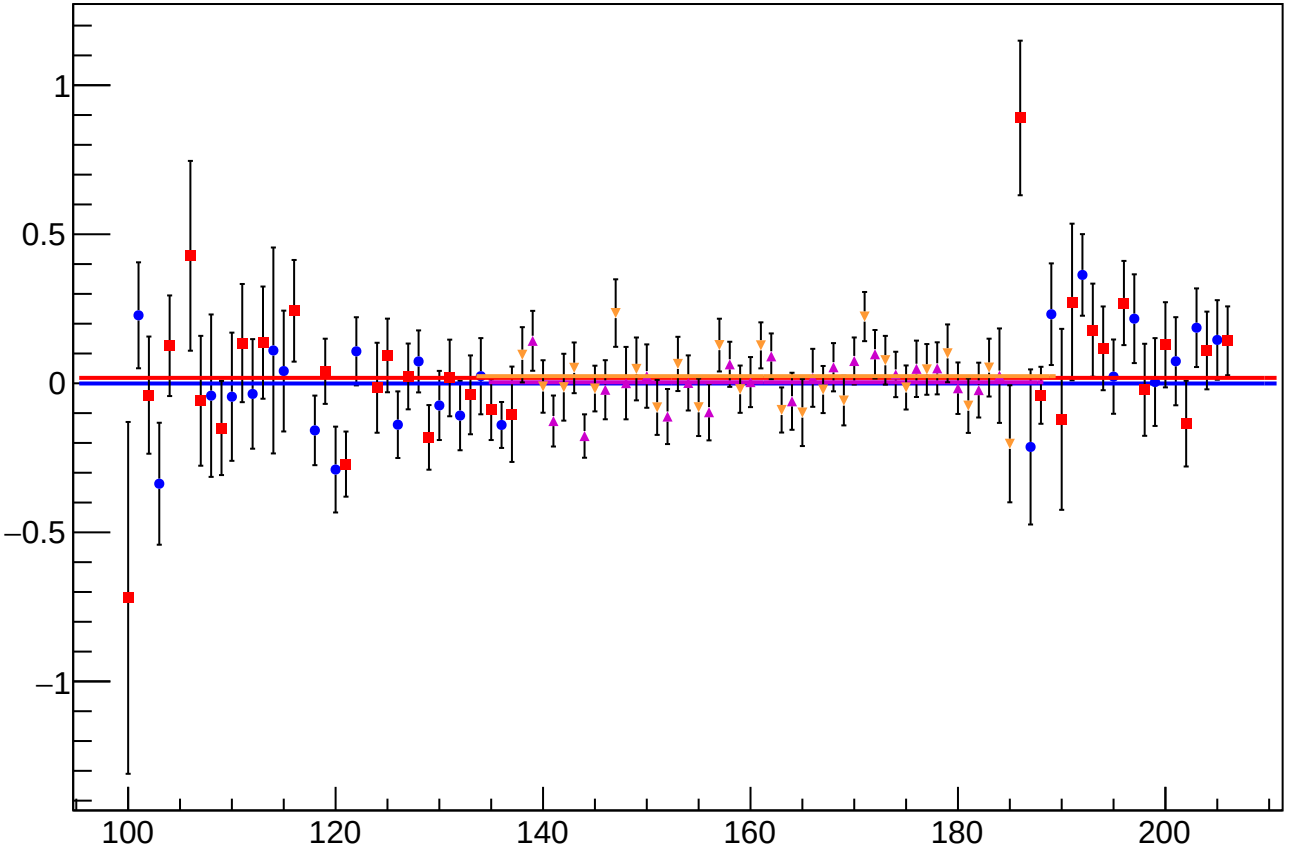
Right: 99.697+/-0.013 χ^2/NDF: 4448369.2/55

In: 84.965+/-0.011 χ^2/NDF:3303228.3/47

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.067+/-0.008 χ^2/NDF: 7145145.3/103

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

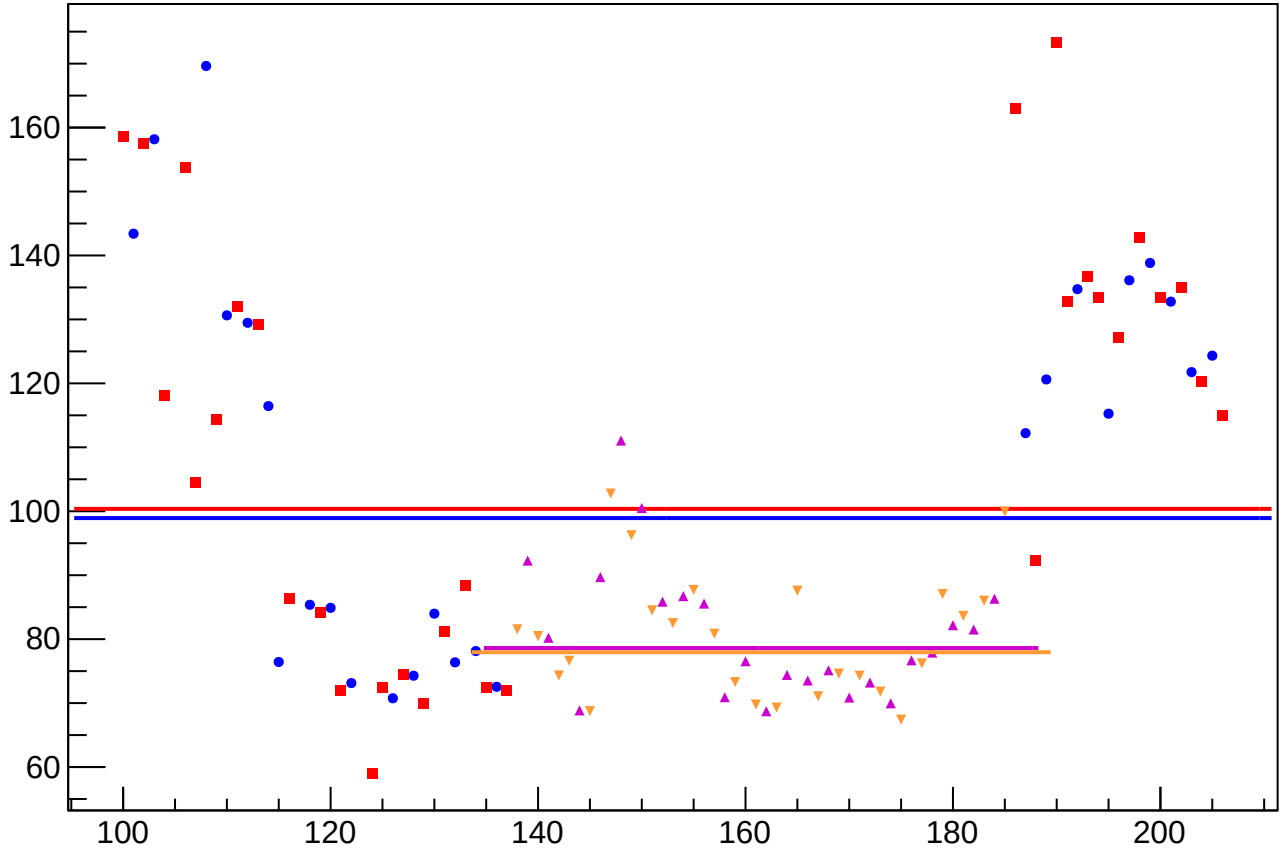
Right: 0.009+/-0.019 χ^2/NDF: 74.6/55

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.013+/-0.011 χ^2/NDF: 119.7/103

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

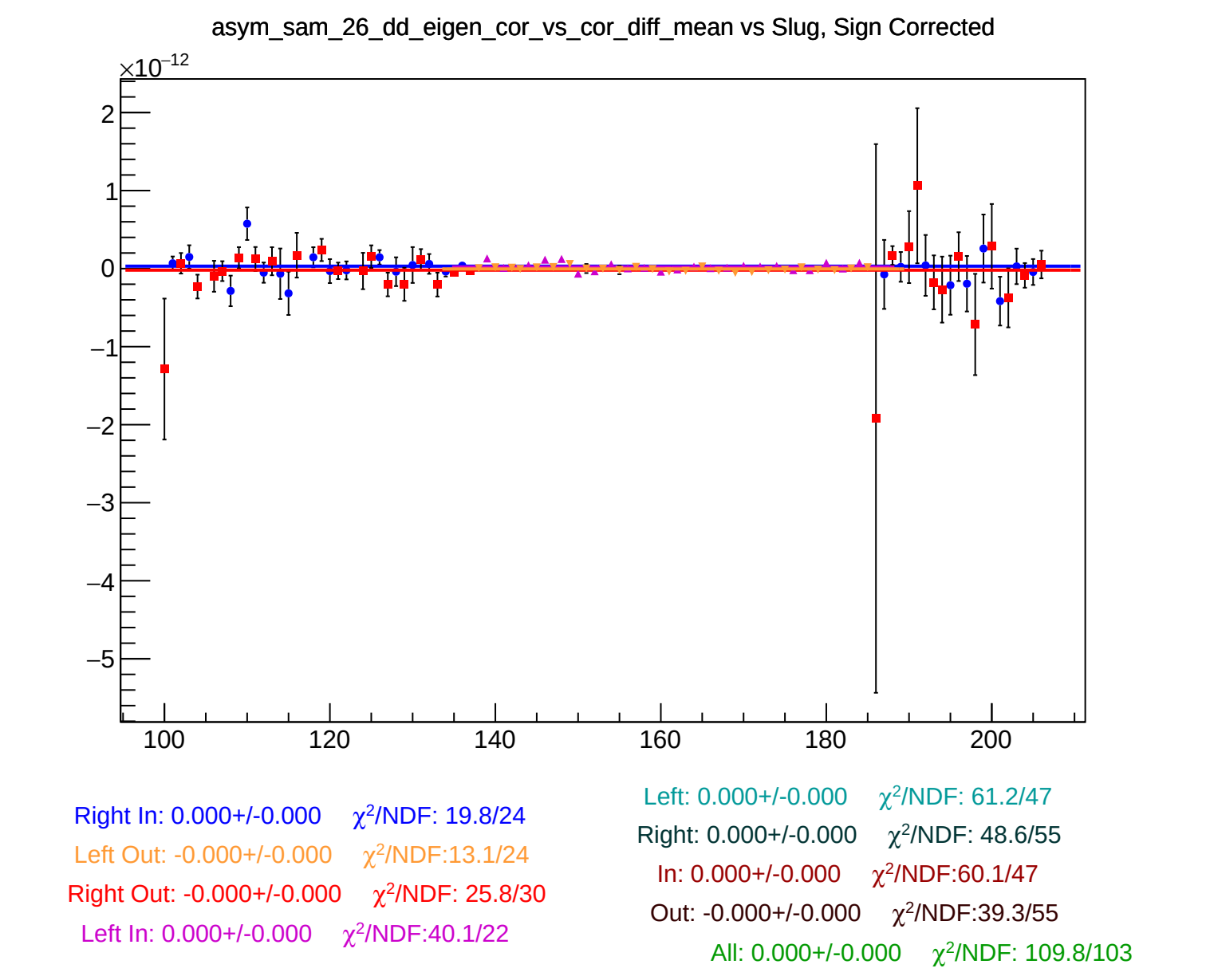
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

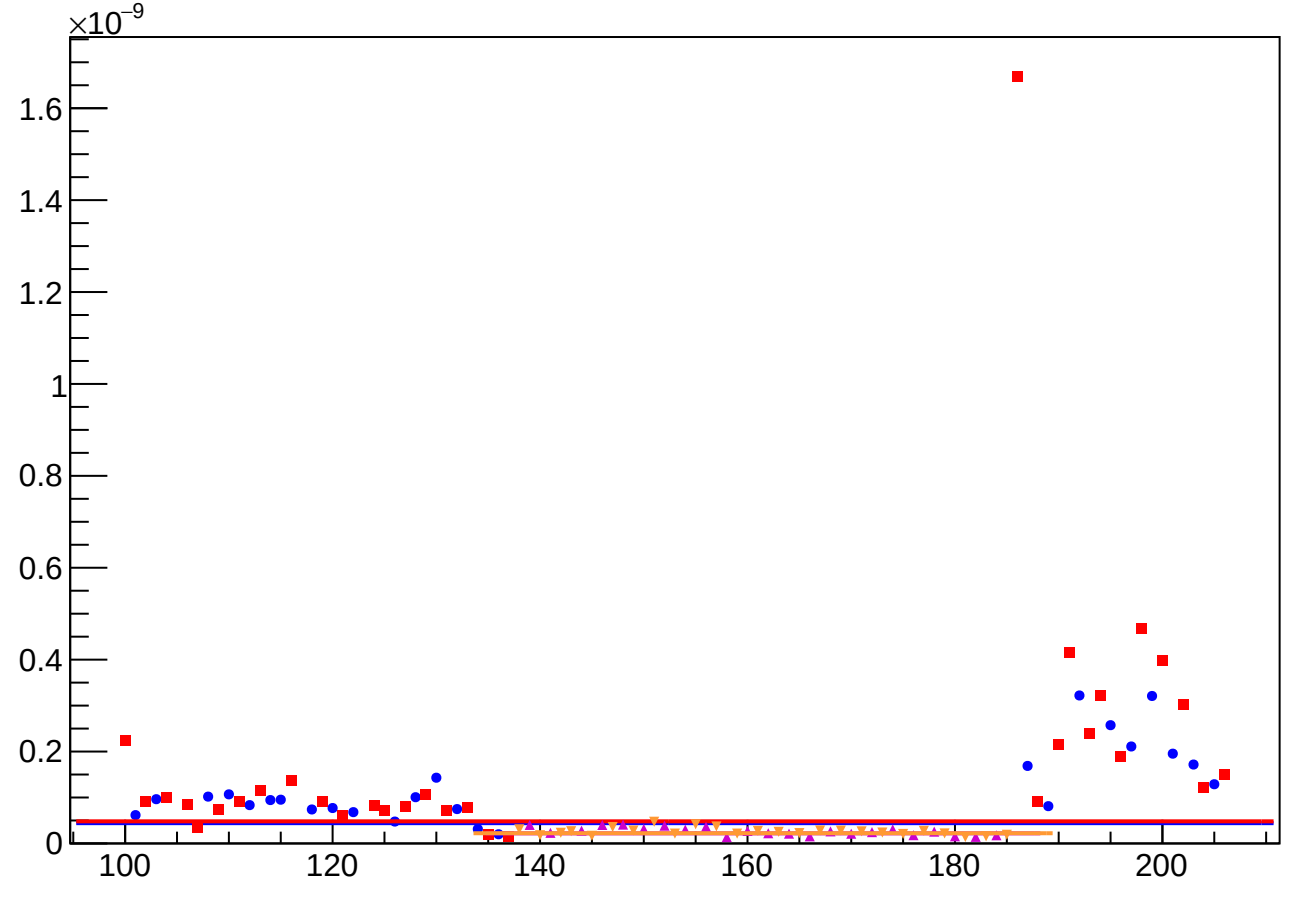
Right: 99.697+/-0.013 χ^2/NDF: 4448369.2/55

In: 84.965+/-0.011 χ^2/NDF:3303228.3/47

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.067+/-0.008 χ^2/NDF: 7145145.3/103


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.8/24
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/30
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 48.6/55
In: 0.000+/-0.000 χ²/NDF:60.1/47
Out: -0.000+/-0.000 χ²/NDF:39.3/55
All: 0.000+/-0.000 χ²/NDF: 109.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 8392149.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11249017.4/30

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

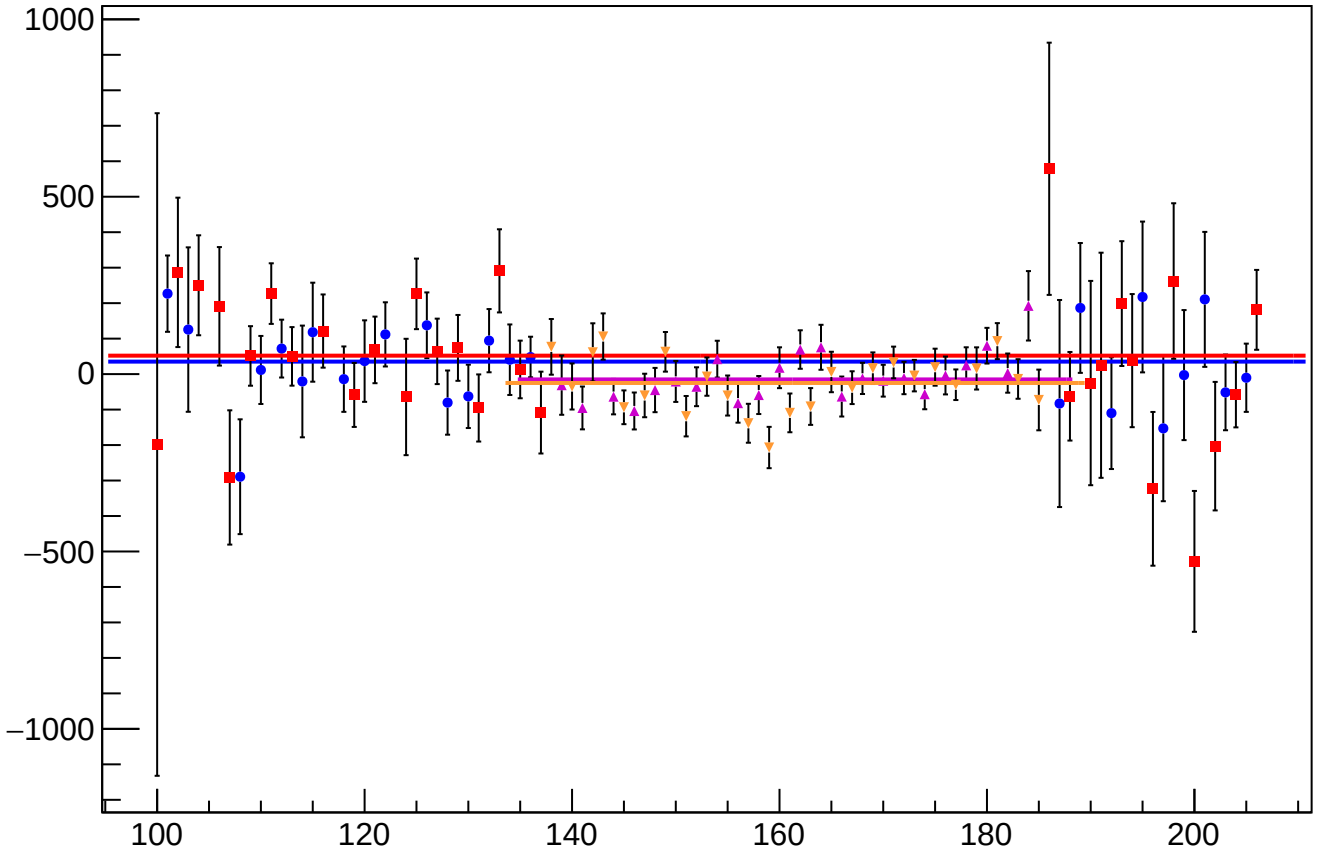
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19678515.4/55

In: 0.000+/-0.000 χ^2/NDF:13400551.5/47

Out: 0.000+/-0.000 χ^2/NDF:16300101.1/55

All: 0.000+/-0.000 χ^2/NDF: 29701868.1/103



Right In: 35.211+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.993+/-21.683 χ^2/NDF: 46.9/30

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

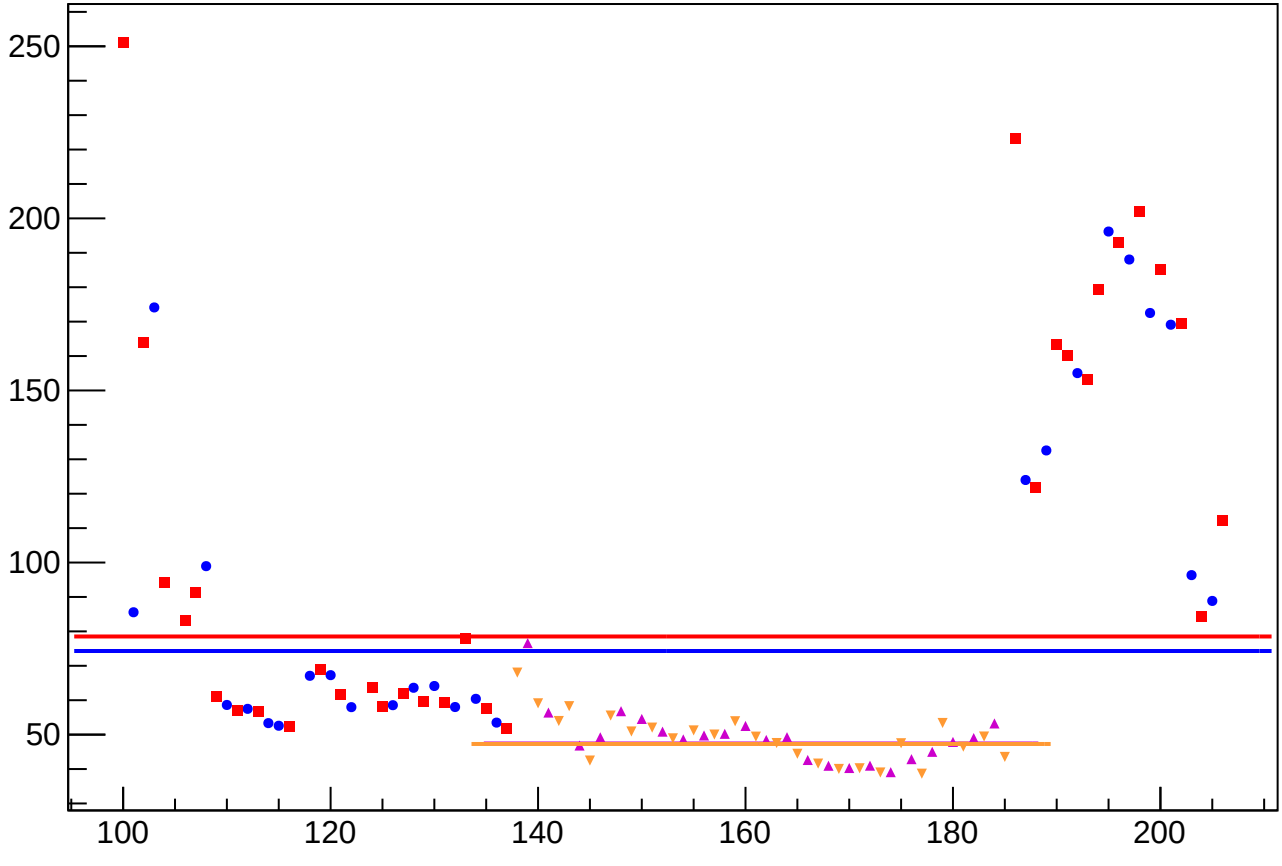
Right: 43.680+/-15.404 χ^2/NDF: 65.8/55

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -9.487+/-9.730 χ^2/NDF:100.0/55

All: -7.082+/-6.968 χ^2/NDF: 147.7/103

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 74.298+/-0.015 χ^2/NDF: 4487497.8/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 78.516+/-0.015 χ^2/NDF: 5844095.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

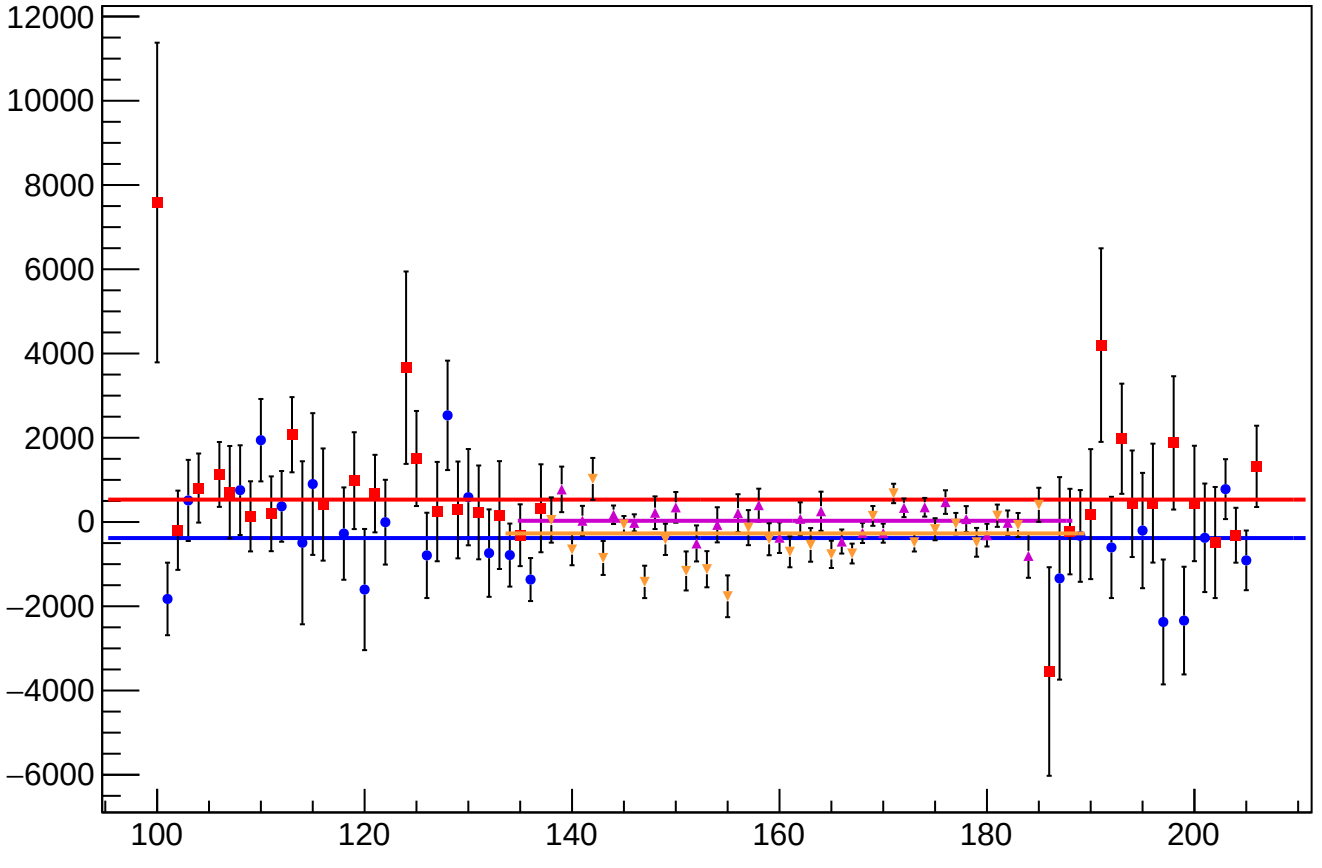
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 76.426+/-0.011 χ^2/NDF: 10369084.8/55

In: 53.016+/-0.007 χ^2/NDF:7530964.1/47

Out: 53.572+/-0.007 χ^2/NDF:9875184.8/55

All: 53.301+/-0.005 χ^2/NDF: 17409335.5/103



Right In: -380.891+/-198.158 χ^2/NDF: 30.4/24

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 531.916+/-193.484 χ^2/NDF: 23.4/30

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

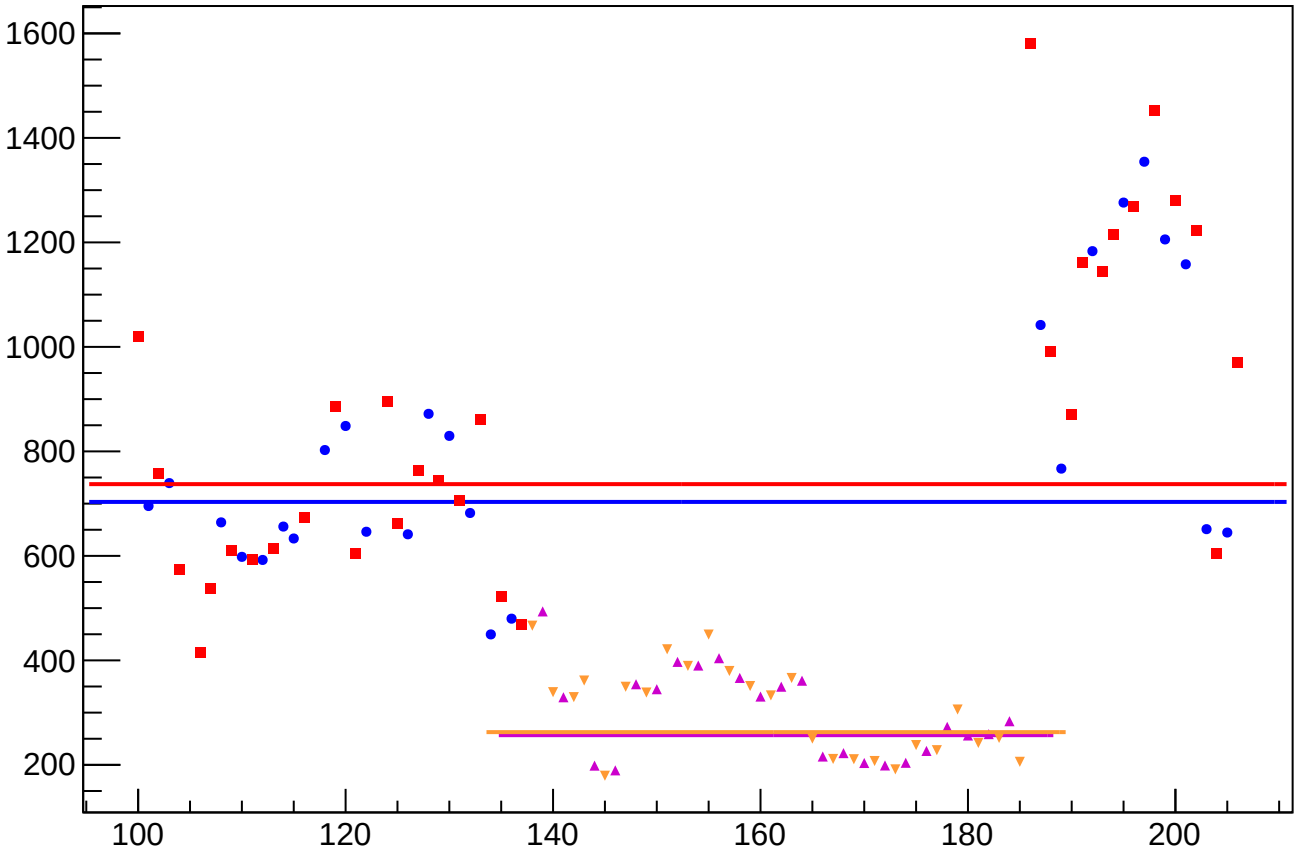
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 86.405+/-138.437 χ^2/NDF: 64.6/55

In: -8.089+/-59.753 χ^2/NDF:58.7/47

Out: -195.503+/-59.341 χ^2/NDF:112.9/55

All: -102.445+/-42.106 χ^2/NDF: 176.5/103



Right In: 703.282+/-0.140 χ^2/NDF: 2475580.8/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 737.321+/-0.137 χ^2/NDF: 3465353.3/30

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

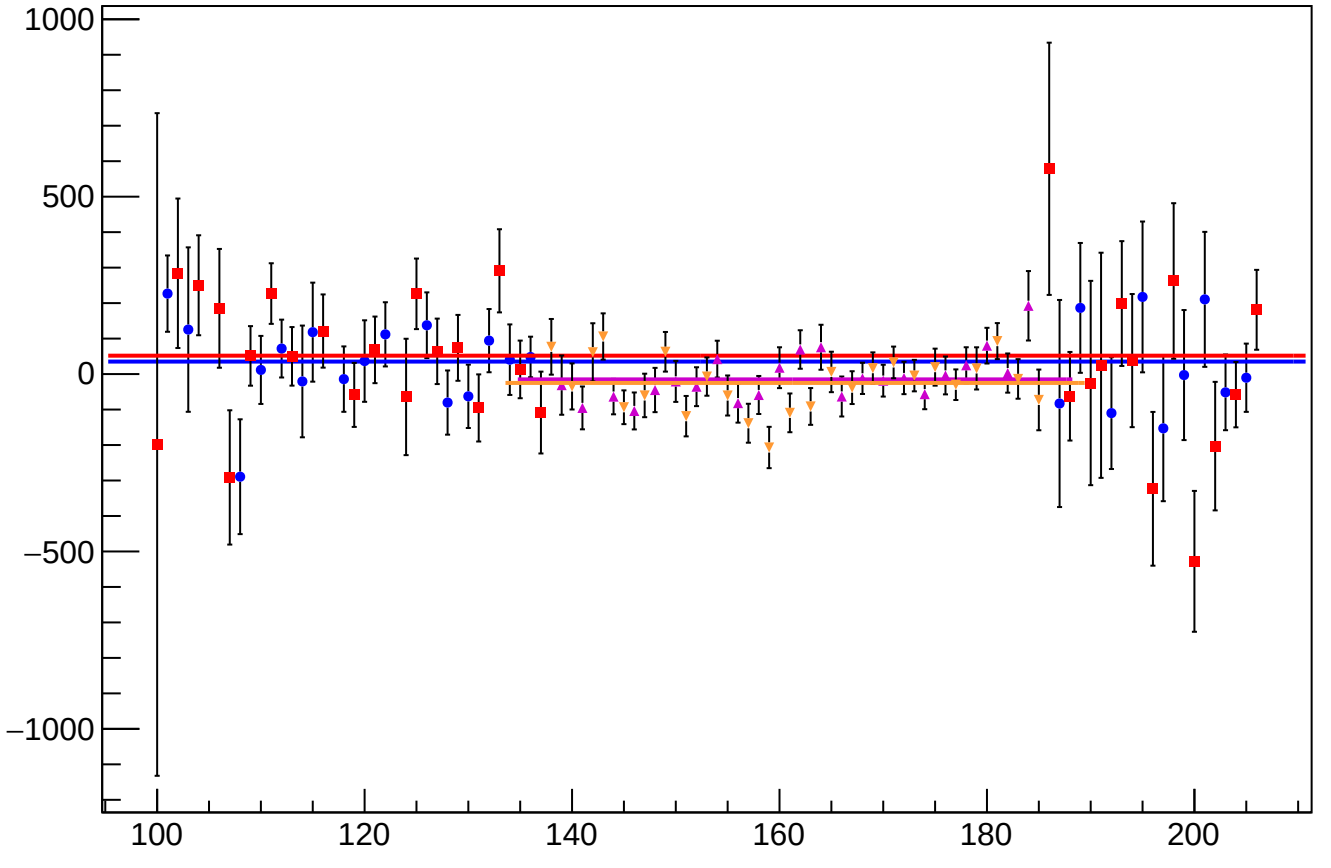
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 720.708+/-0.098 χ^2/NDF: 5971144.9/55

In: 297.436+/-0.042 χ^2/NDF:14343250.8/47

Out: 307.325+/-0.042 χ^2/NDF:17262203.9/55

All: 302.415+/-0.030 χ^2/NDF: 31633033.5/10



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.849+/-21.685 χ^2/NDF: 46.8/30

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

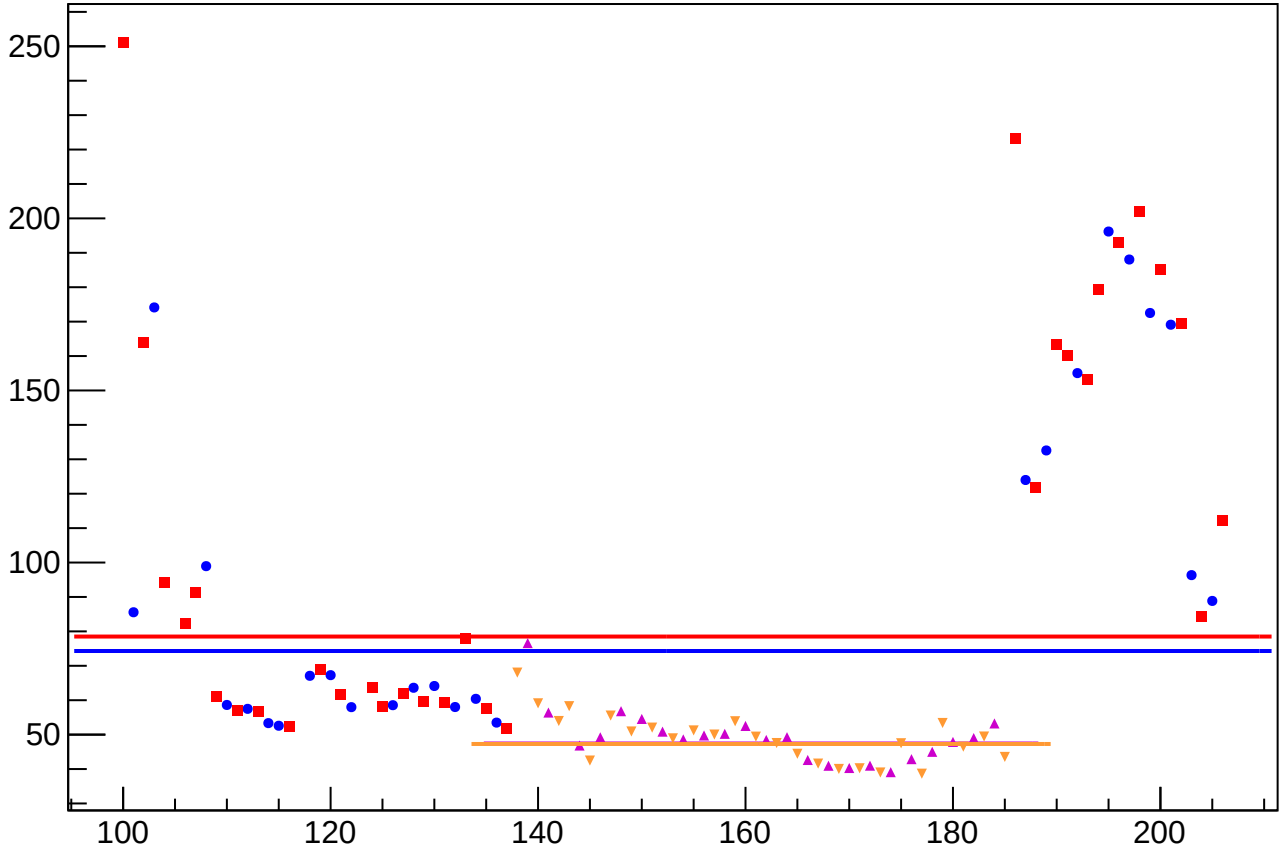
Right: 43.604+/-15.404 χ^2/NDF: 65.7/55

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.096+/-6.968 χ^2/NDF: 147.6/103

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

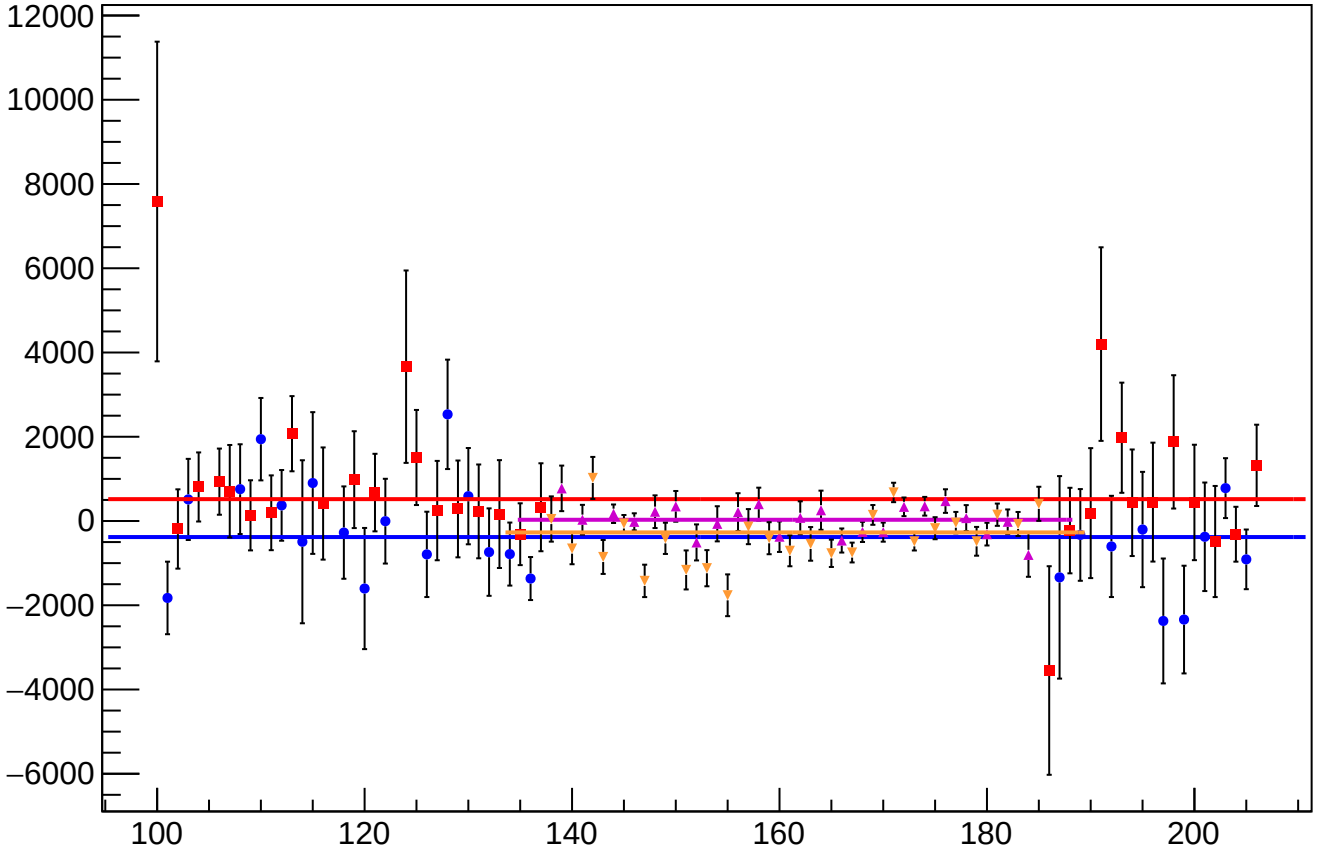
Right: 76.417+/-0.011 χ^2/NDF: 10368335.1/55

In: 53.016+/-0.007 χ^2/NDF:7530965.9/47

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.299+/-0.005 χ^2/NDF: 17404863.5/103

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 518.964+/-193.732 χ^2/NDF: 23.0/30

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

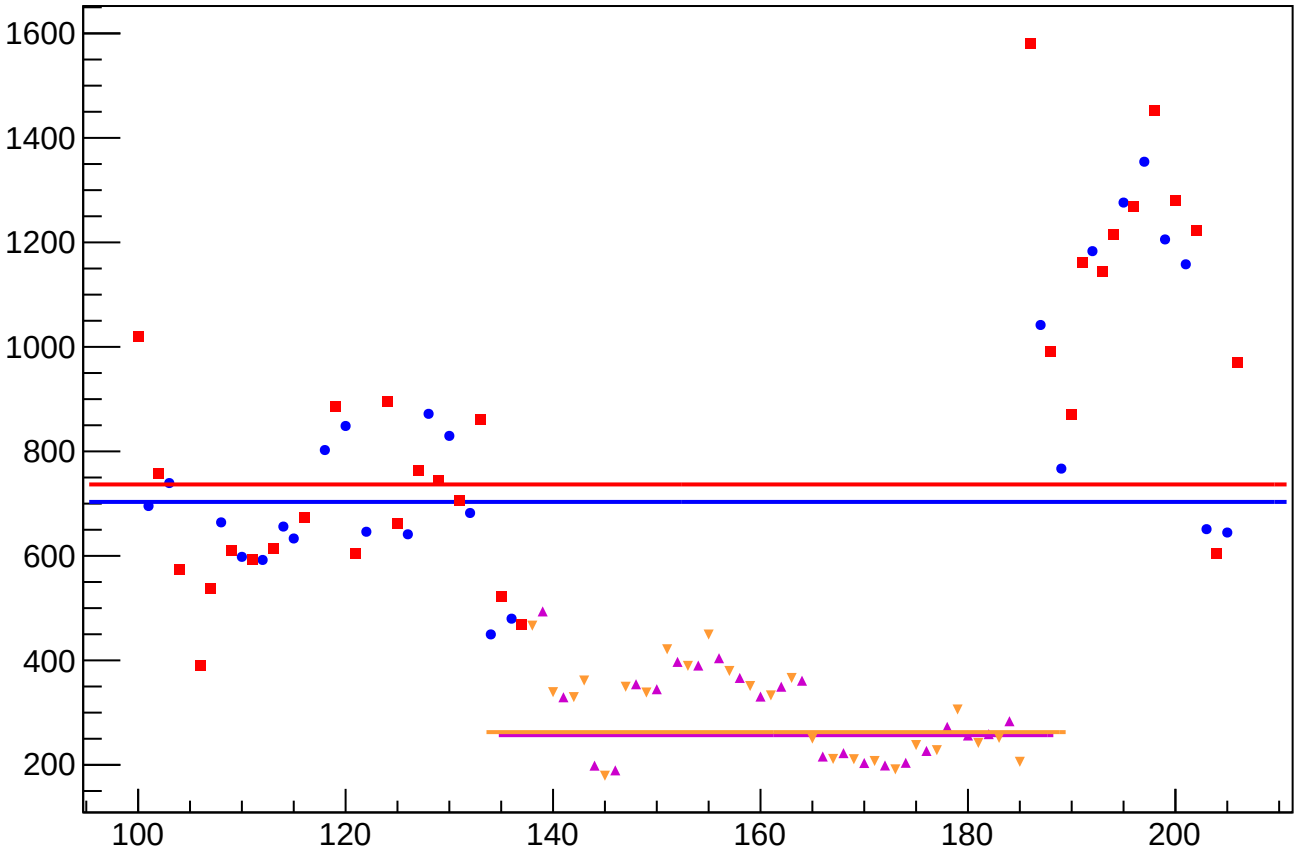
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 79.202+/-138.528 χ^2/NDF: 63.9/55

In: -8.087+/-59.753 χ^2/NDF:58.7/47

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -103.130+/-42.108 χ^2/NDF: 175.7/103



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

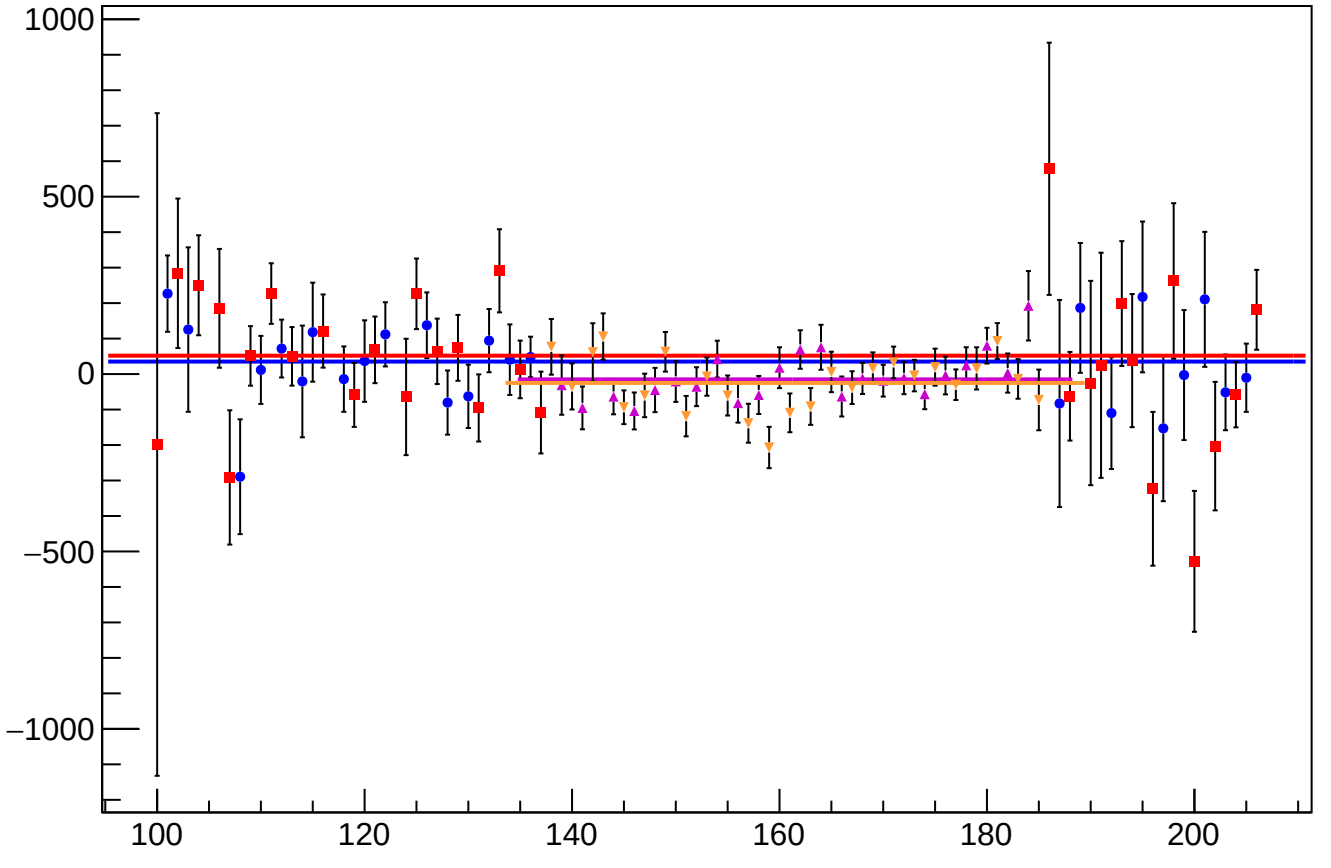
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 720.383+/-0.098 χ^2/NDF: 6007183.8/55

In: 297.436+/-0.042 χ^2/NDF:14343296.0/47

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 302.334+/-0.030 χ^2/NDF: 31616751.4/10



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.849+/-21.685 χ^2/NDF: 46.8/30

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

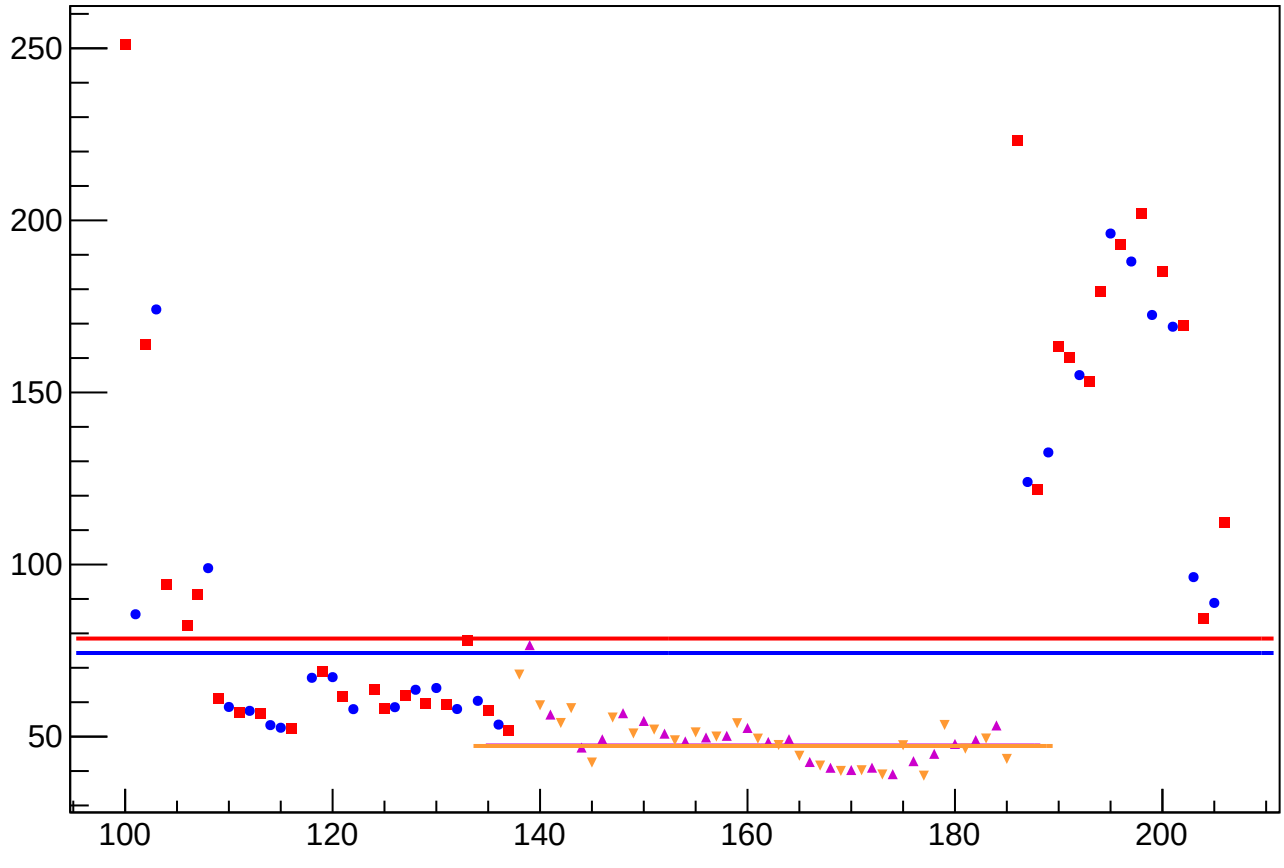
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 43.604+/-15.404 χ^2/NDF: 65.7/55

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.096+/-6.968 χ^2/NDF: 147.6/103



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

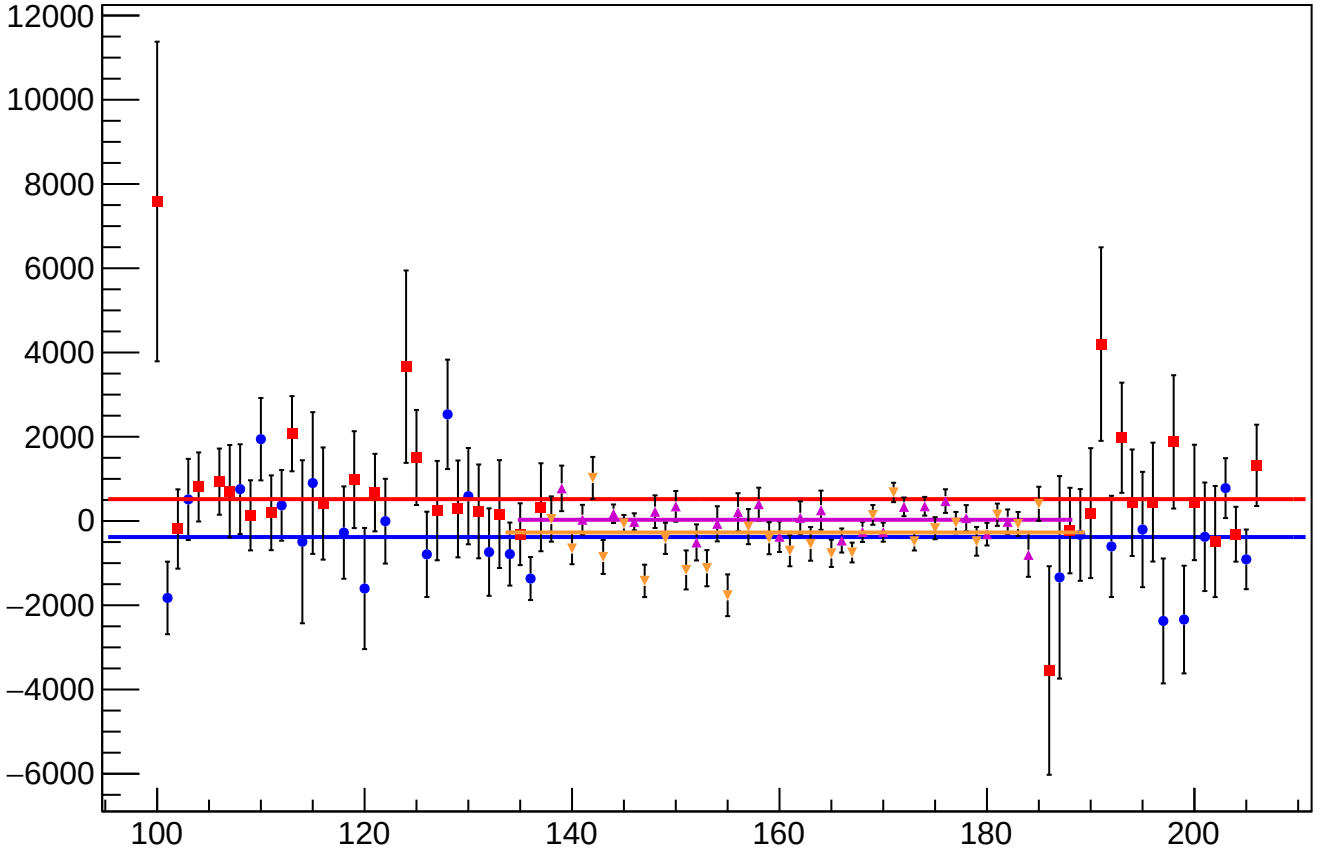
Right: 76.417+/-0.011 χ^2/NDF: 10368335.1/55

In: 53.016+/-0.007 χ^2/NDF:7530965.9/47

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.299+/-0.005 χ^2/NDF: 17404863.5/103

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 518.964+/-193.732 χ^2/NDF: 23.0/30

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

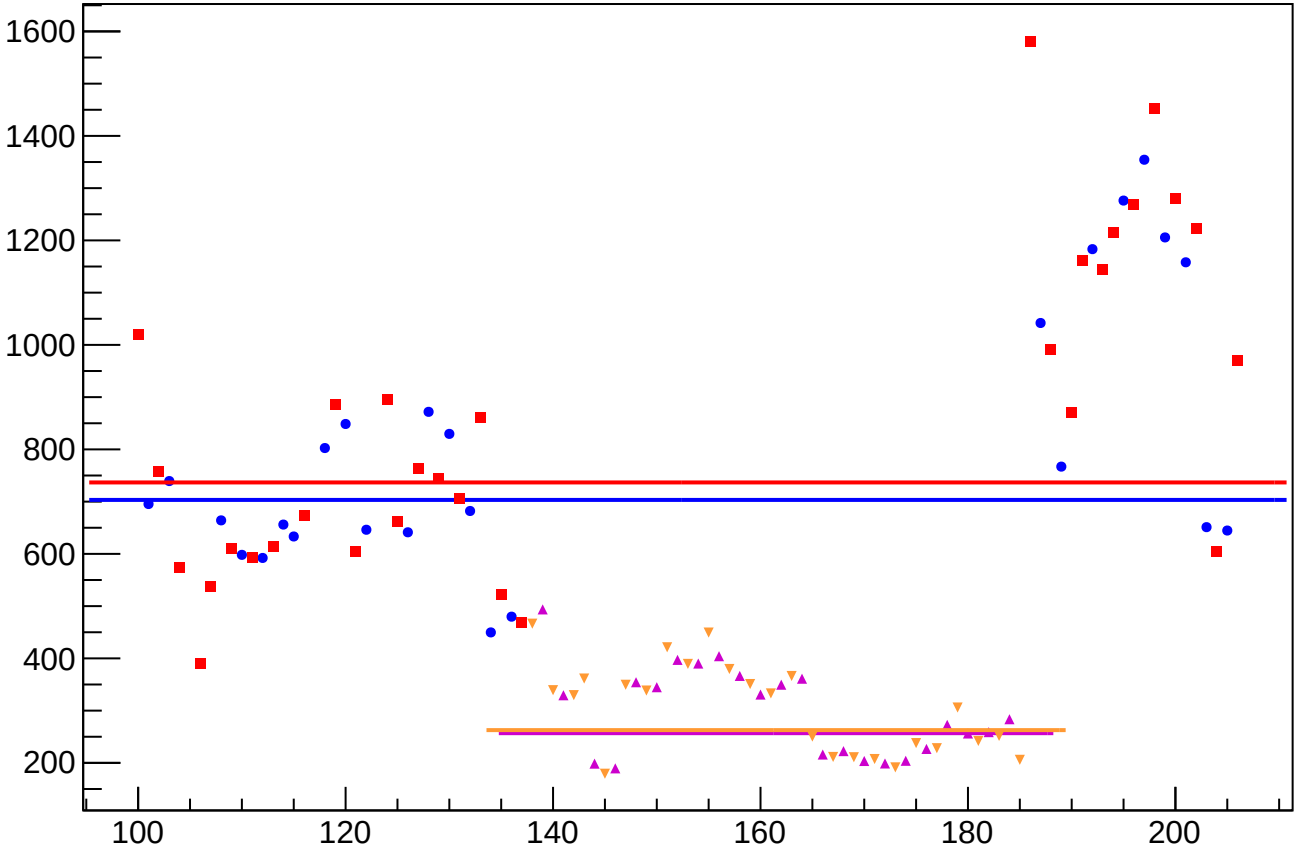
Right: 79.202+/-138.528 χ^2/NDF: 63.9/55

In: -8.087+/-59.753 χ^2/NDF:58.7/47

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -103.130+/-42.108 χ^2/NDF: 175.7/103

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

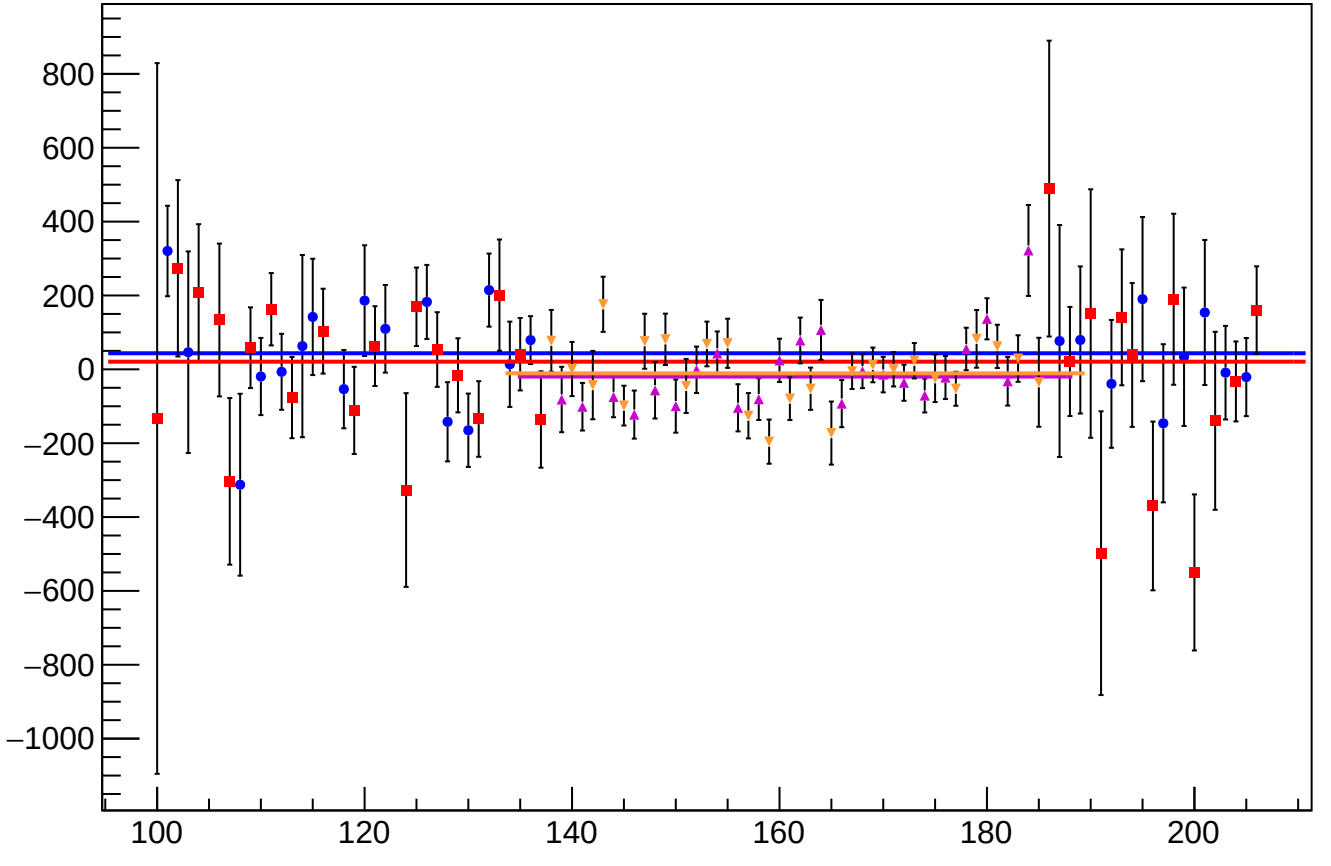
Right: 720.383+/-0.098 χ^2/NDF: 6007183.8/55

In: 297.436+/-0.042 χ^2/NDF:14343296.0/47

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 302.334+/-0.030 χ^2/NDF: 31616751.4/10

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.720+/-25.370 χ^2/NDF: 35.2/30

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

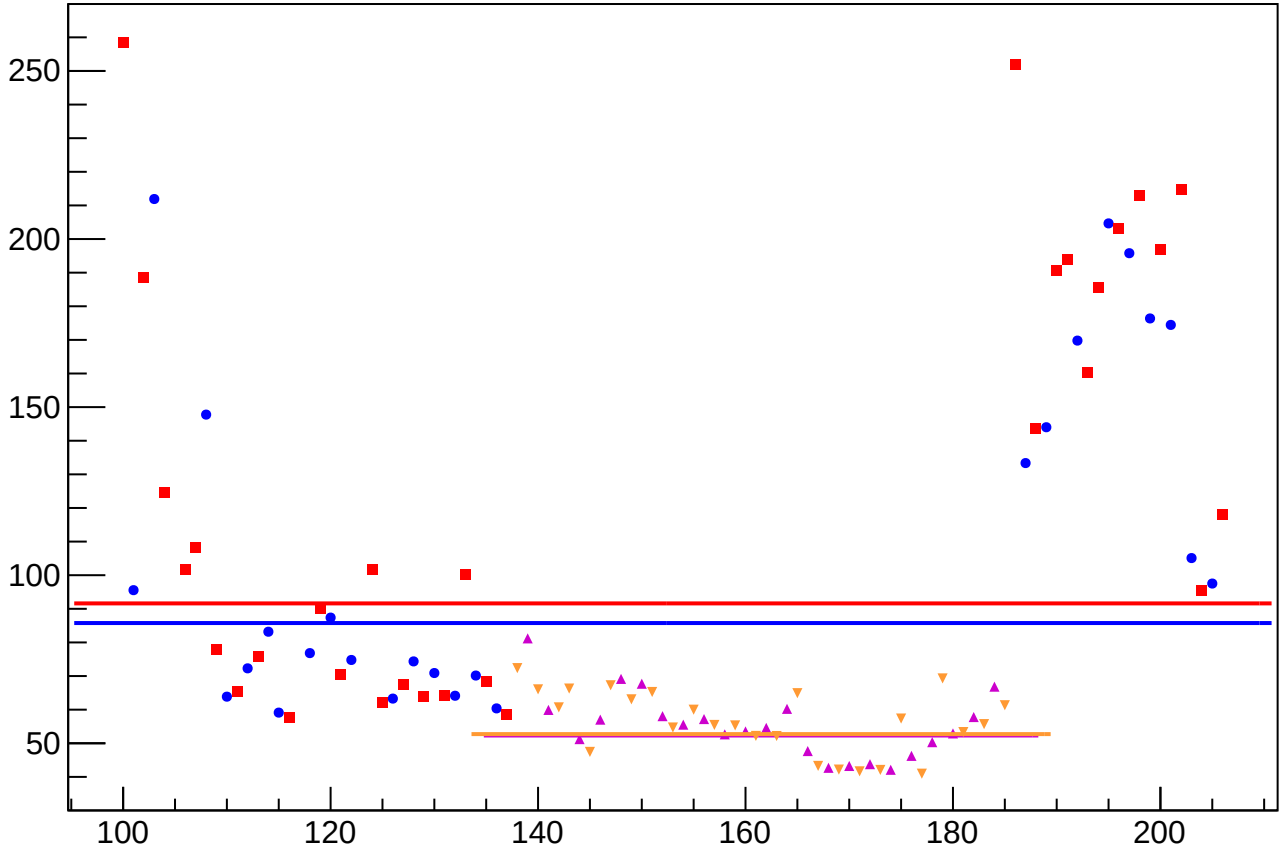
Right: 32.154+/-17.909 χ^2/NDF: 60.9/55

In: -7.130+/-11.238 χ^2/NDF:67.1/47

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -5.955+/-7.887 χ^2/NDF: 143.9/103

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 85.768+/-0.018 χ^2/NDF: 4121197.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527425.2/30

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

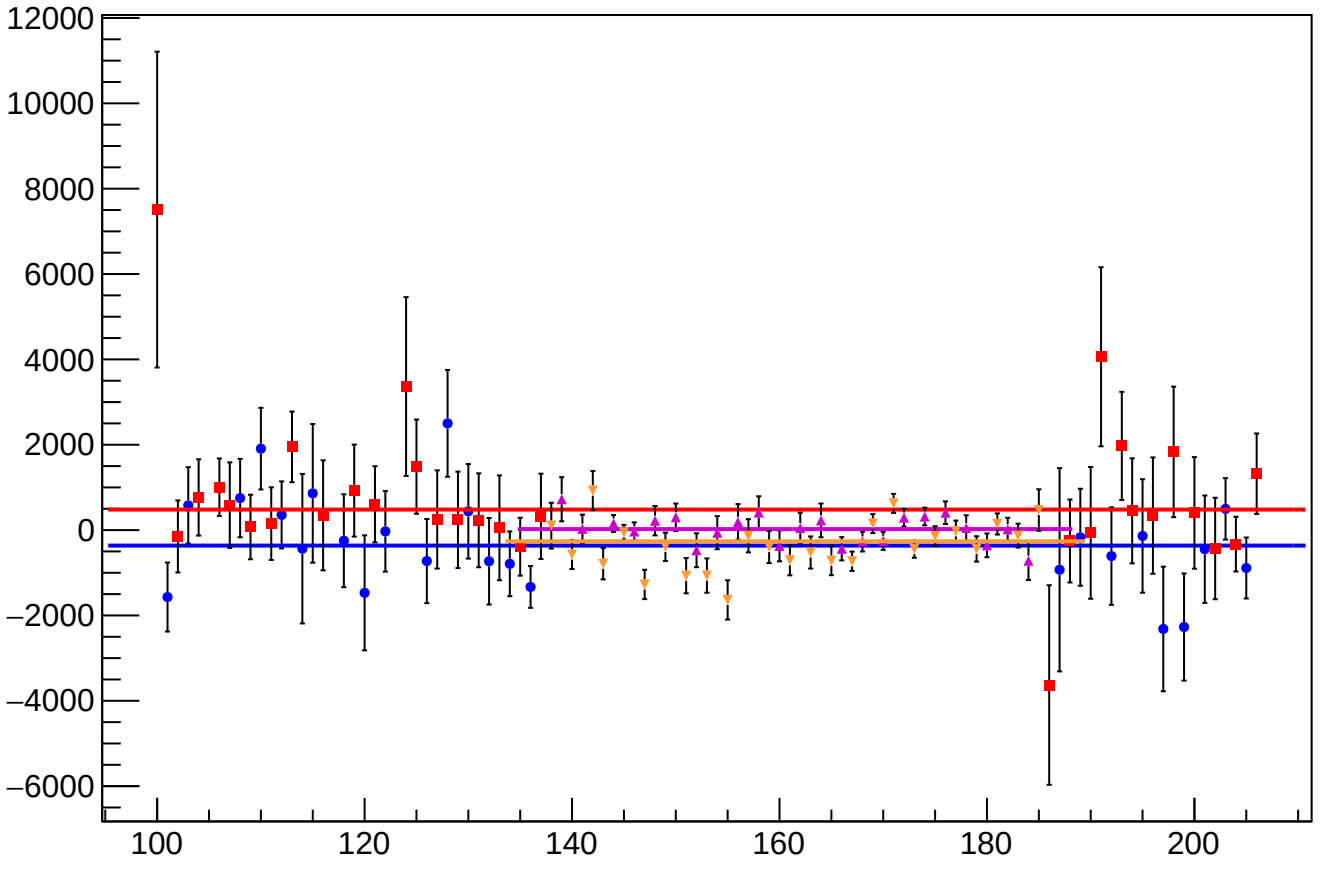
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 88.680+/-0.013 χ^2/NDF: 9701862.3/55

In: 58.923+/-0.008 χ^2/NDF:7822584.6/47

Out: 60.136+/-0.008 χ^2/NDF:10497258.0/55

All: 59.539+/-0.006 χ^2/NDF: 18331674.5/103



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

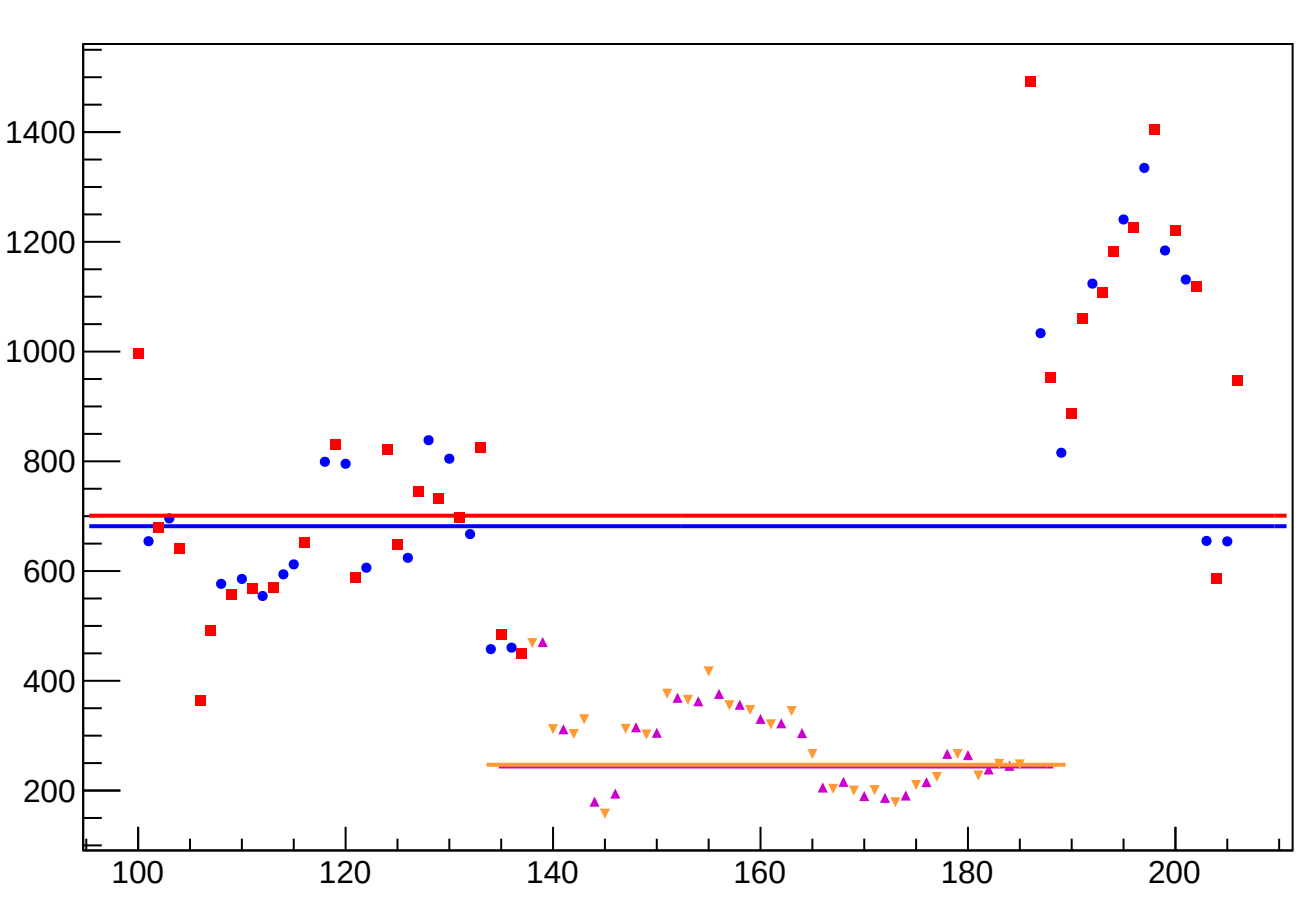
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 76.226+/-132.850 χ^2/NDF: 64.4/55

In: -10.336+/-56.739 χ^2/NDF:57.0/47

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -103.991+/-39.768 χ^2/NDF: 174.6/103



Right In: 681.730+/-0.136 χ^2/NDF: 2514243.7/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663919.7/30

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

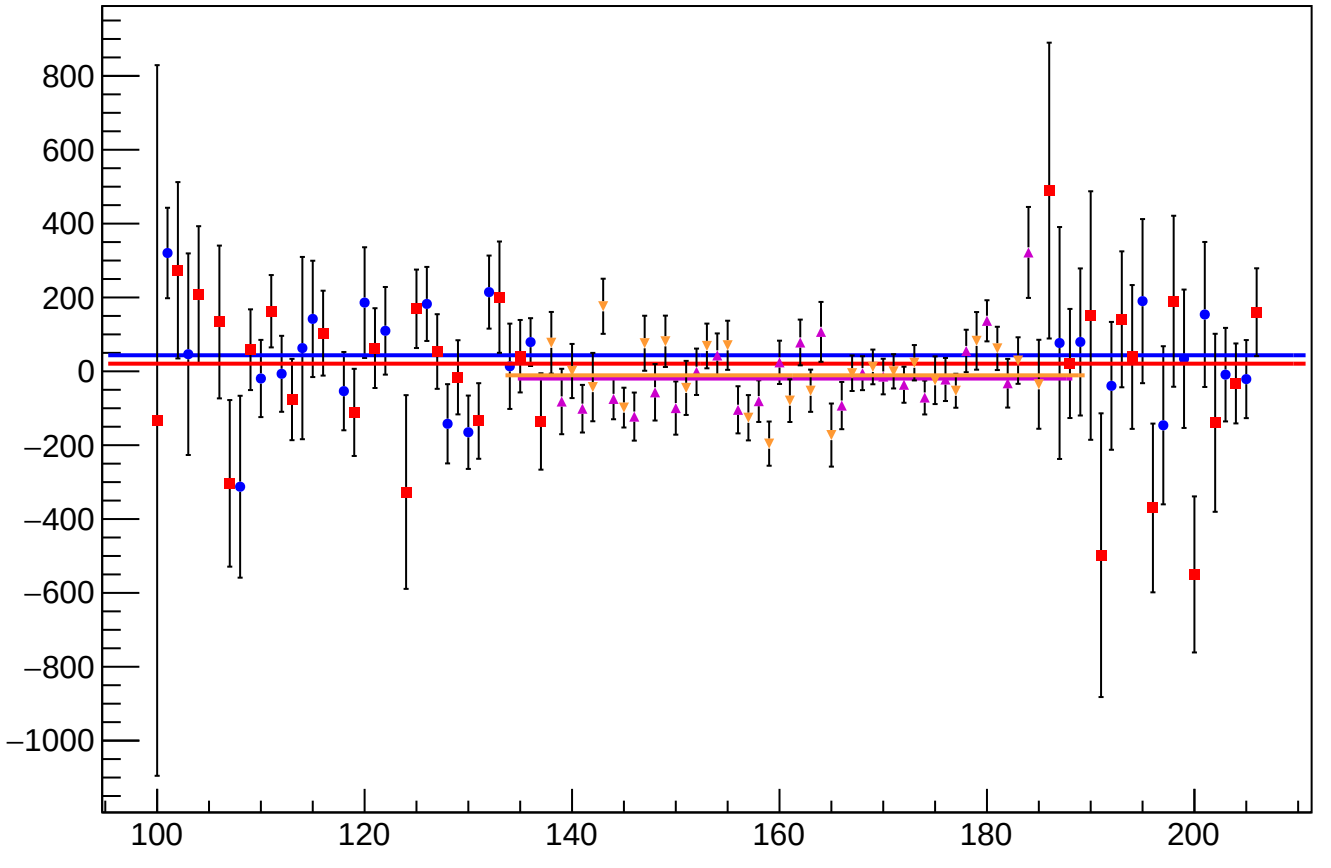
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 691.716+/-0.094 χ^2/NDF: 6188581.2/55

In: 282.141+/-0.040 χ^2/NDF:14516700.0/47

Out: 288.596+/-0.039 χ^2/NDF:17625170.8/55

All: 285.425+/-0.028 χ^2/NDF: 32155040.6/10



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.719+/-25.370 χ^2/NDF: 35.2/30

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

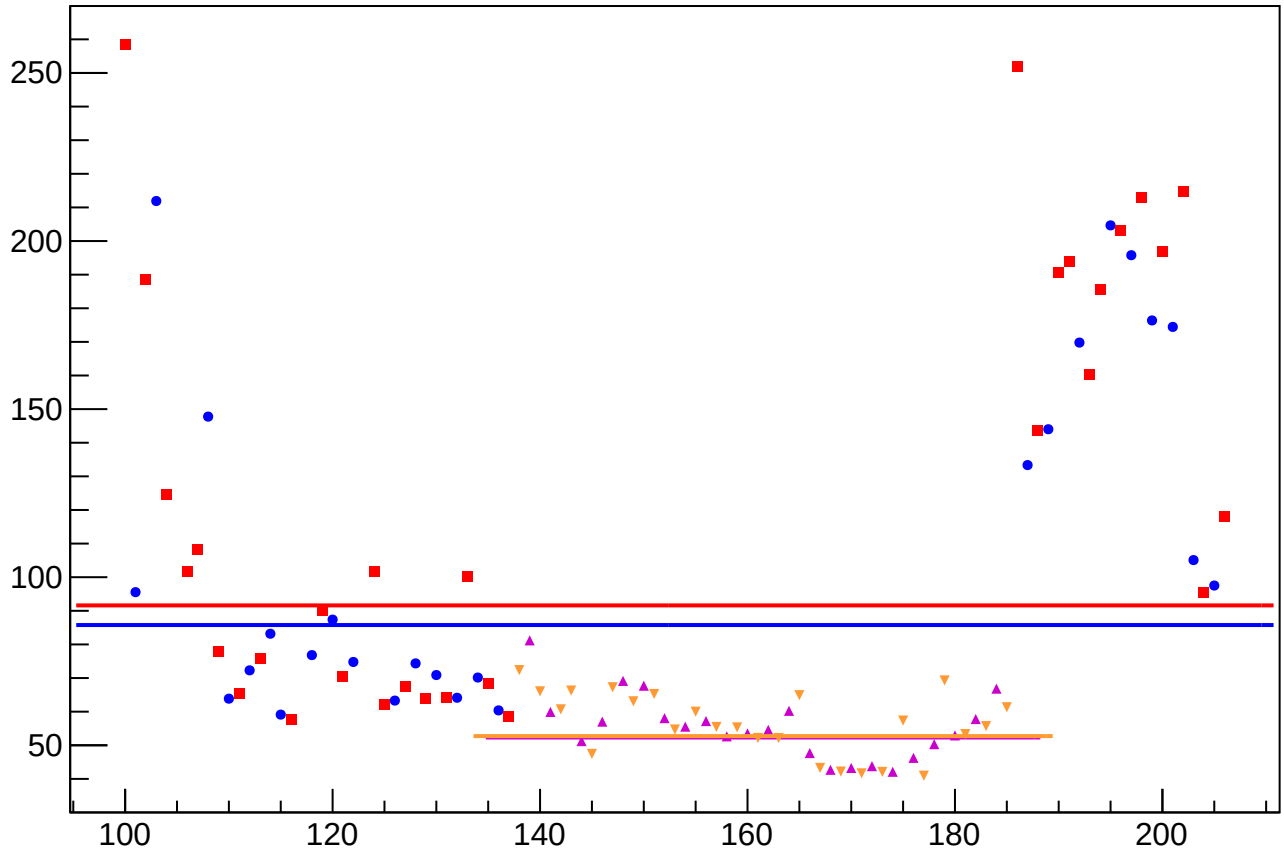
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 32.153+/-17.909 χ^2/NDF: 60.9/55

In: -7.130+/-11.238 χ^2/NDF:67.1/47

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -5.955+/-7.887 χ^2/NDF: 143.9/103



Right In: 85.768+/-0.018 χ^2/NDF: 4121219.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527427.5/30

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

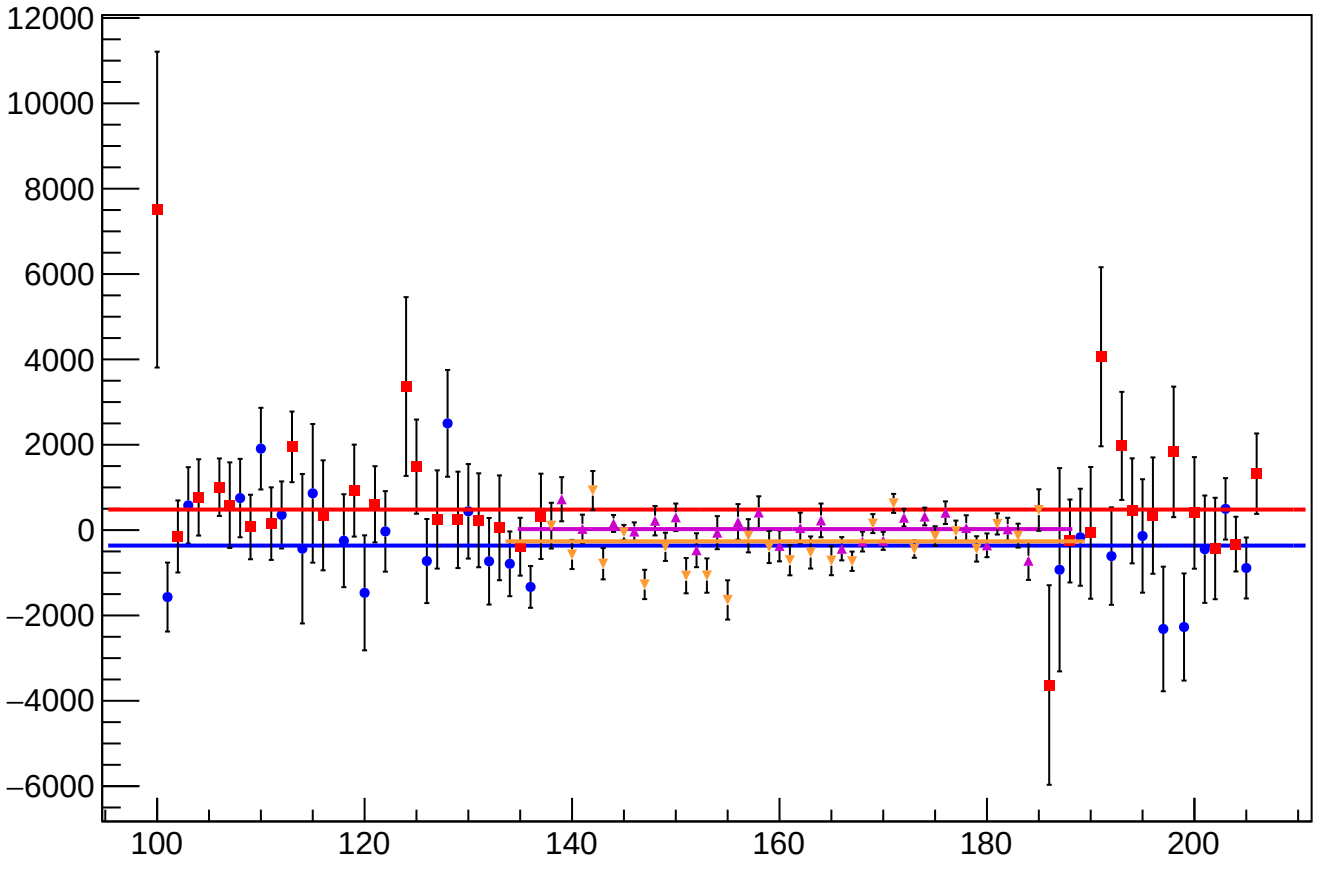
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 88.680+/-0.013 χ^2/NDF: 9701888.2/55

In: 58.923+/-0.008 χ^2/NDF:7822583.7/47

Out: 60.137+/-0.008 χ^2/NDF:10497261.8/55

All: 59.539+/-0.006 χ^2/NDF: 18331677.8/103



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

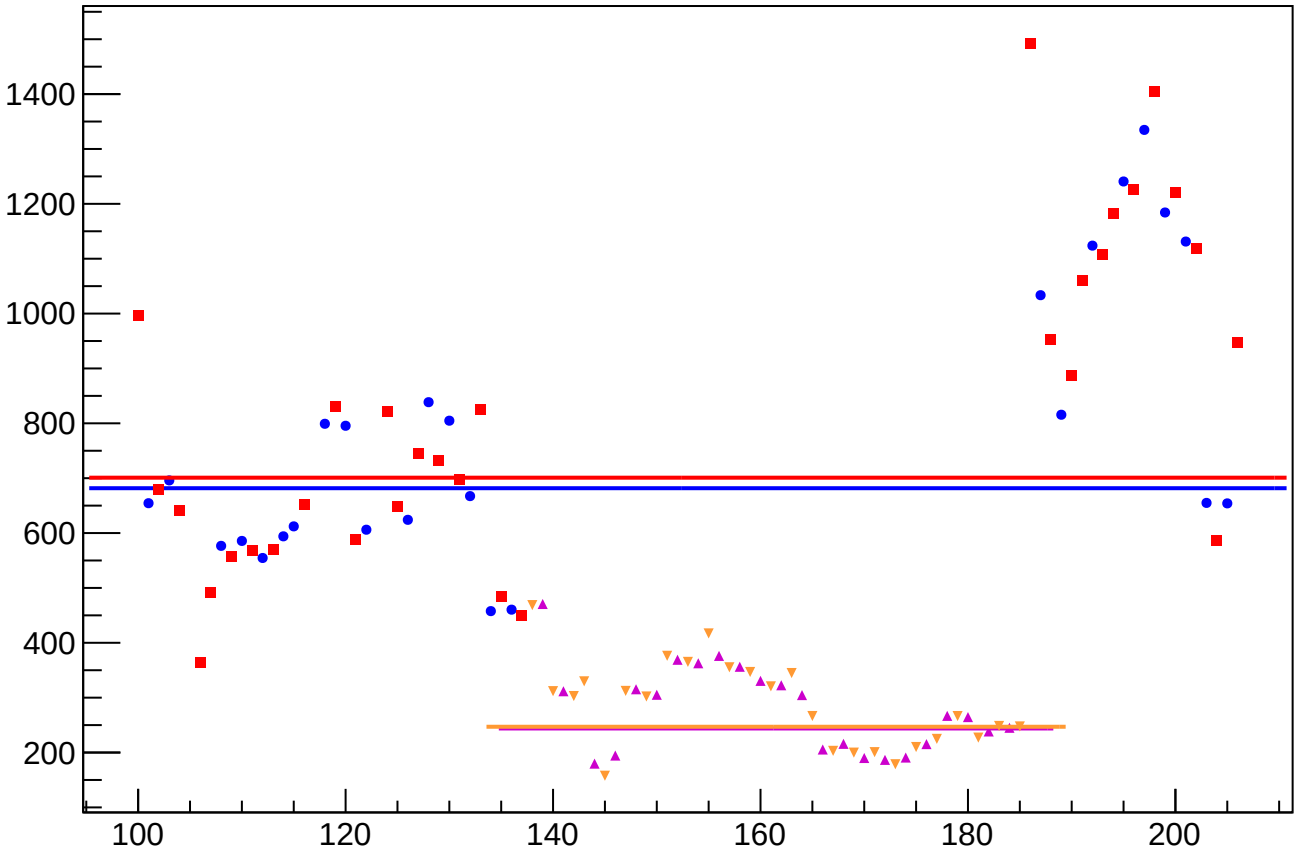
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 76.227+/-132.850 χ^2/NDF: 64.4/55

In: -10.336+/-56.739 χ^2/NDF:57.0/47

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -103.991+/-39.768 χ^2/NDF: 174.6/103



Right In: 681.730+/-0.136 χ^2/NDF: 2514232.1/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663911.1/30

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

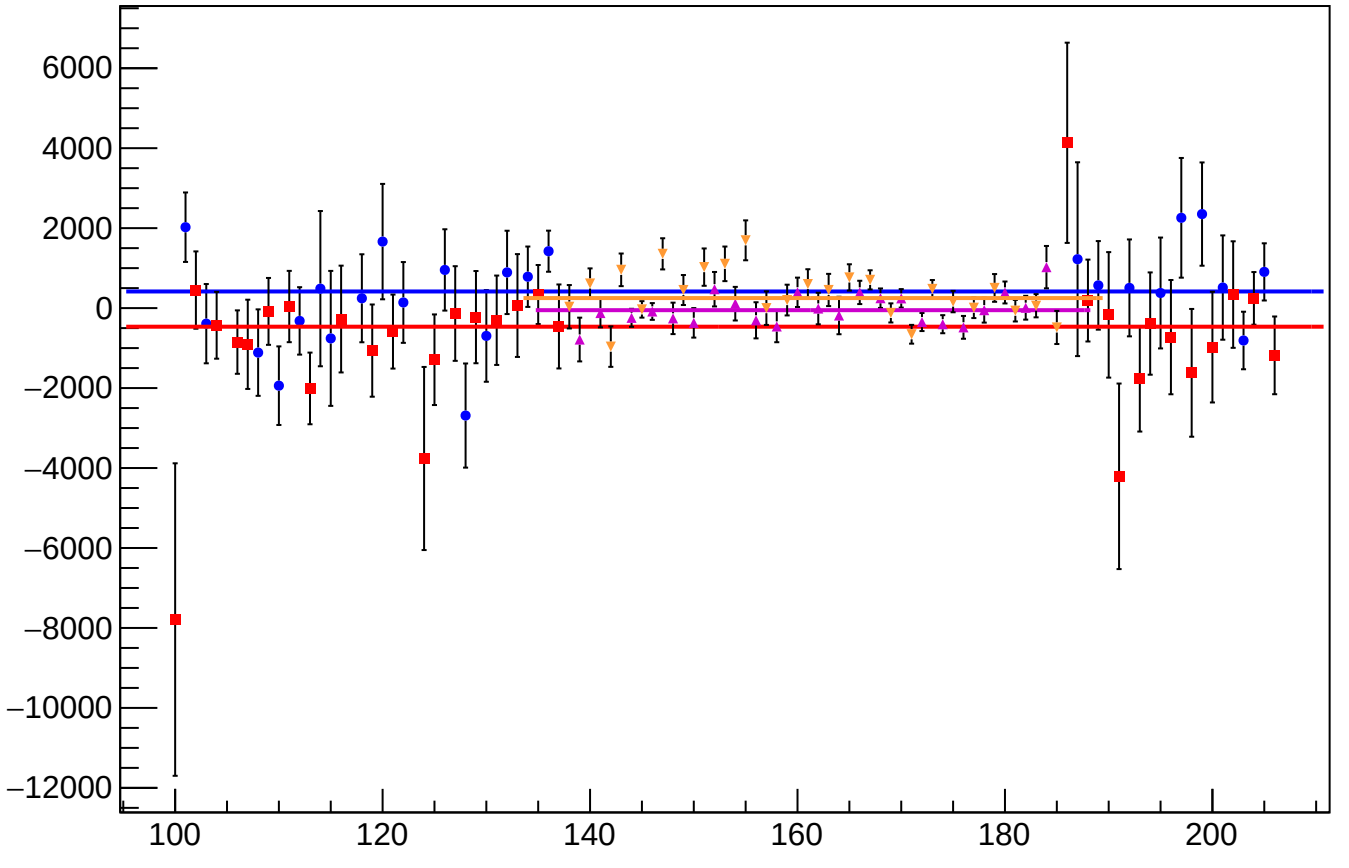
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 691.716+/-0.094 χ^2/NDF: 6188560.4/55

In: 282.141+/-0.040 χ^2/NDF:14516701.4/47

Out: 288.596+/-0.039 χ^2/NDF:17625151.5/55

All: 285.425+/-0.028 χ^2/NDF: 32155023.3/10



Right In: 416.170+/-199.910 χ^2/NDF: 32.4/24

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -465.043+/-195.462 χ^2/NDF: 22.9/30

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

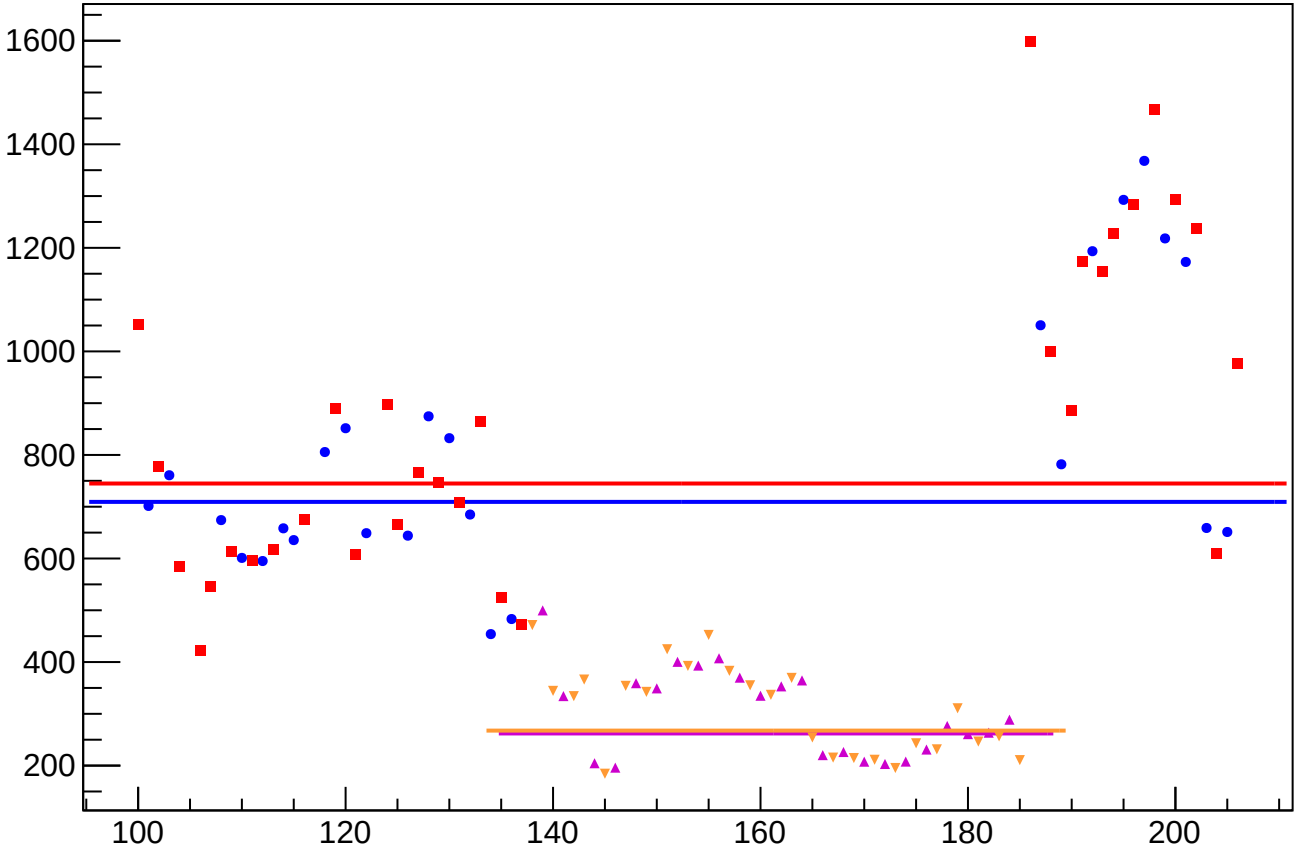
Right: -34.349+/-139.759 χ^2/NDF: 65.2/55

In: -8.405+/-60.817 χ^2/NDF:64.2/47

Out: 182.890+/-60.327 χ^2/NDF:102.5/55

All: 88.016+/-42.830 χ^2/NDF: 171.7/103

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 709.342+/-0.141 χ^2/NDF: 2490727.6/24

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 744.815+/-0.138 χ^2/NDF: 3455284.5/30

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

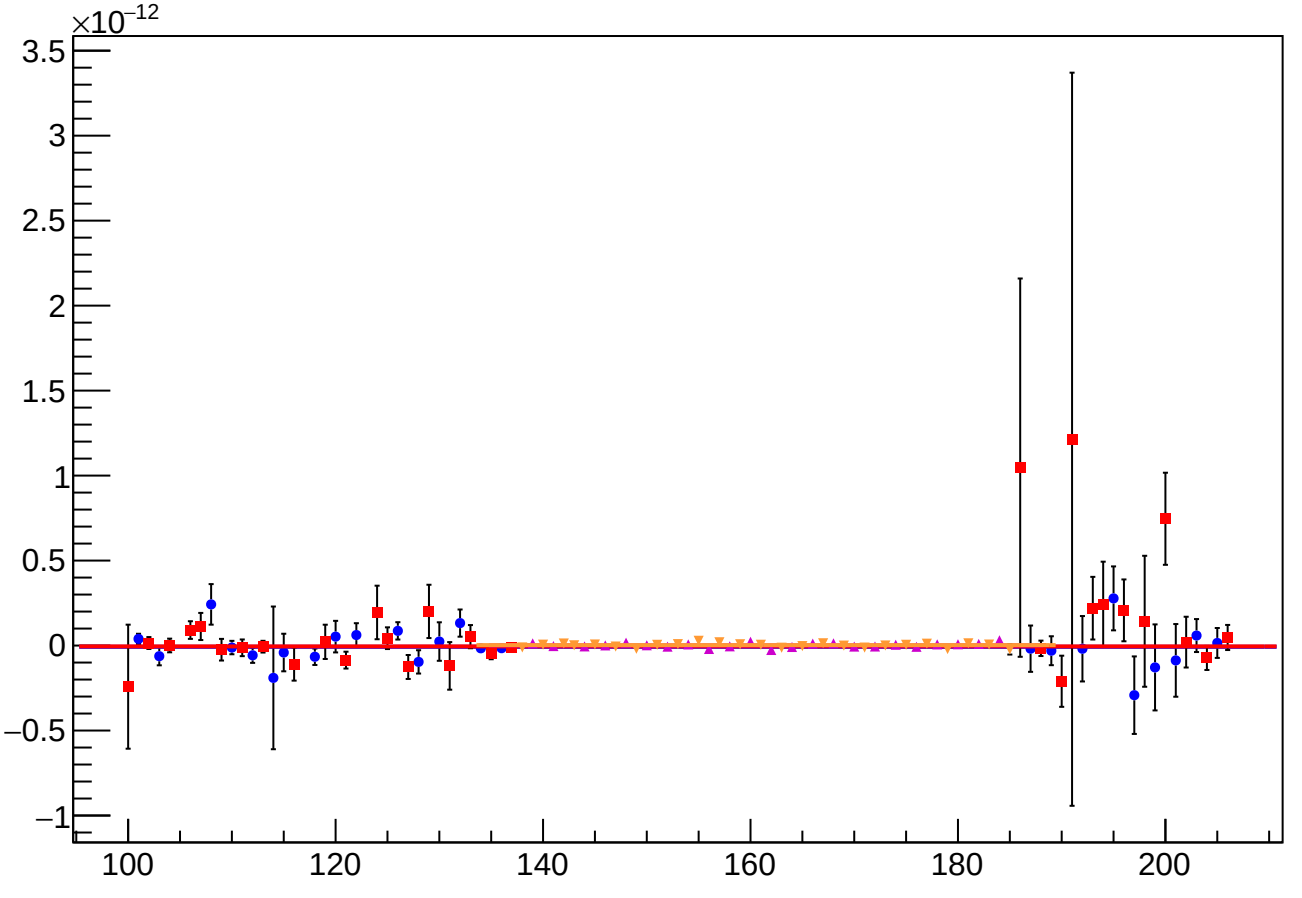
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 727.478+/-0.099 χ^2/NDF: 5978206.5/55

In: 303.486+/-0.043 χ^2/NDF:14112300.8/47

Out: 313.048+/-0.043 χ^2/NDF:17043139.5/55

All: 308.306+/-0.030 χ^2/NDF: 31180364.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

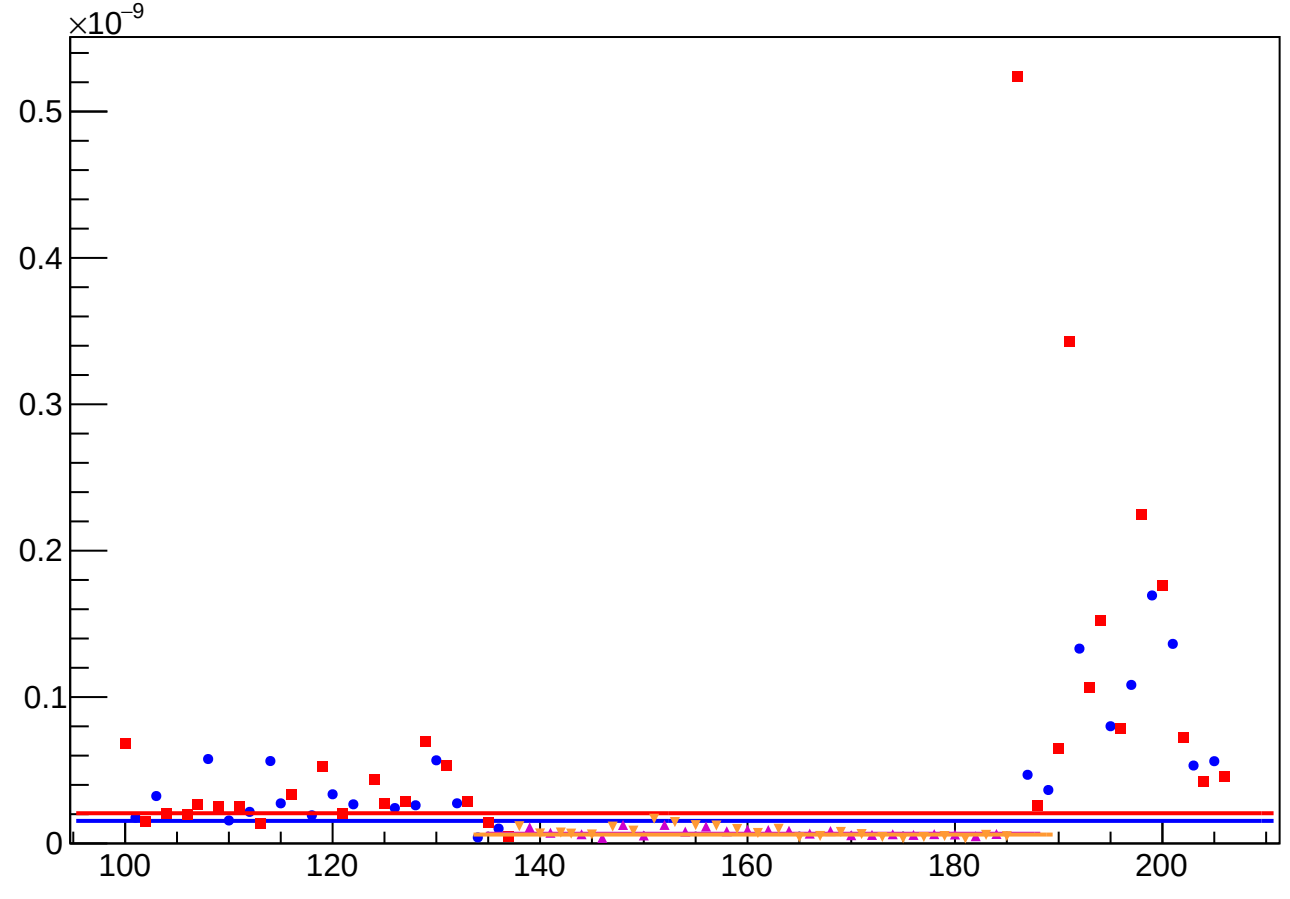
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.1/55

In: 0.000+/-0.000 χ^2/NDF:38.9/47

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 91.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 5860252.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5559070.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

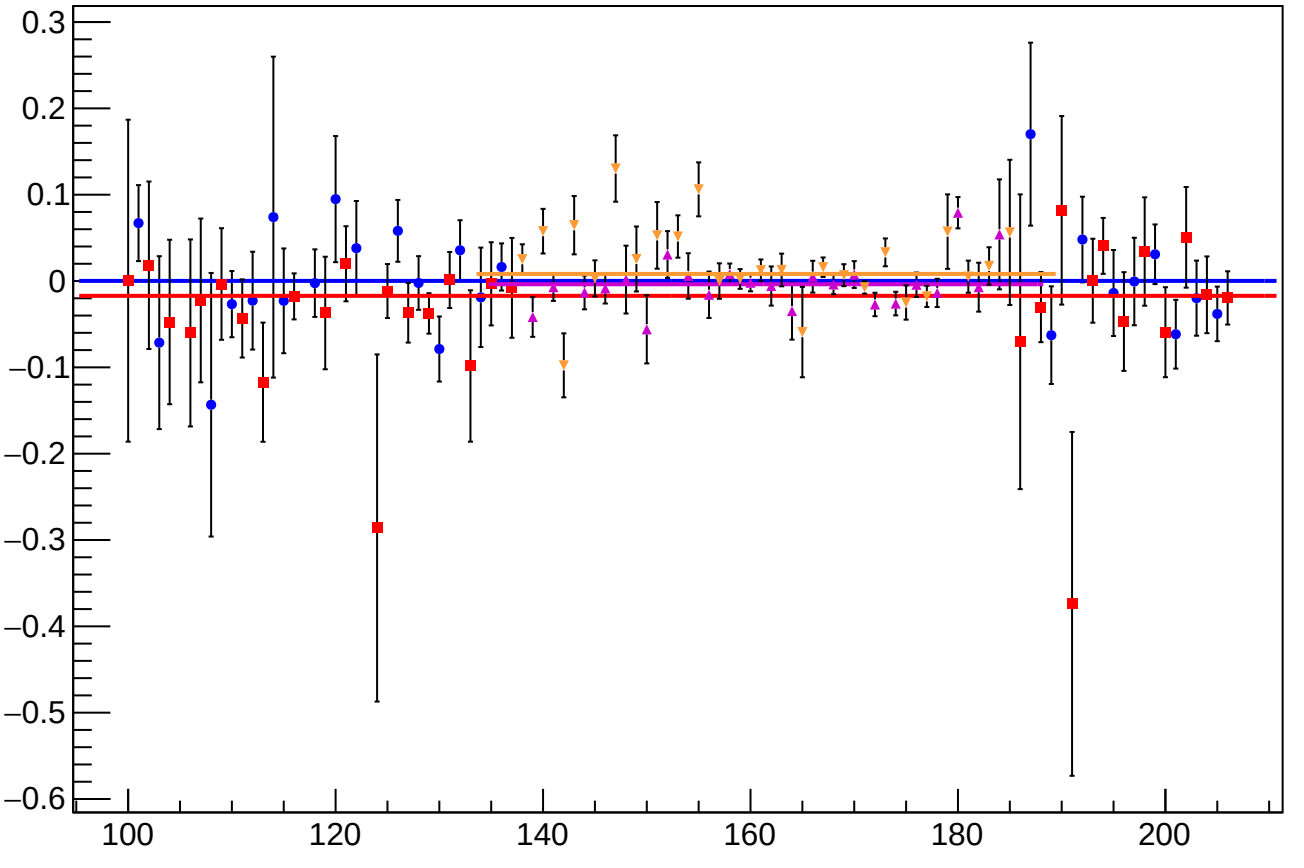
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11692626.1/55

In: 0.000+/-0.000 χ^2/NDF:8731812.4/47

Out: 0.000+/-0.000 χ^2/NDF:11433344.3/55

All: 0.000+/-0.000 χ^2/NDF: 20210558.5/103



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

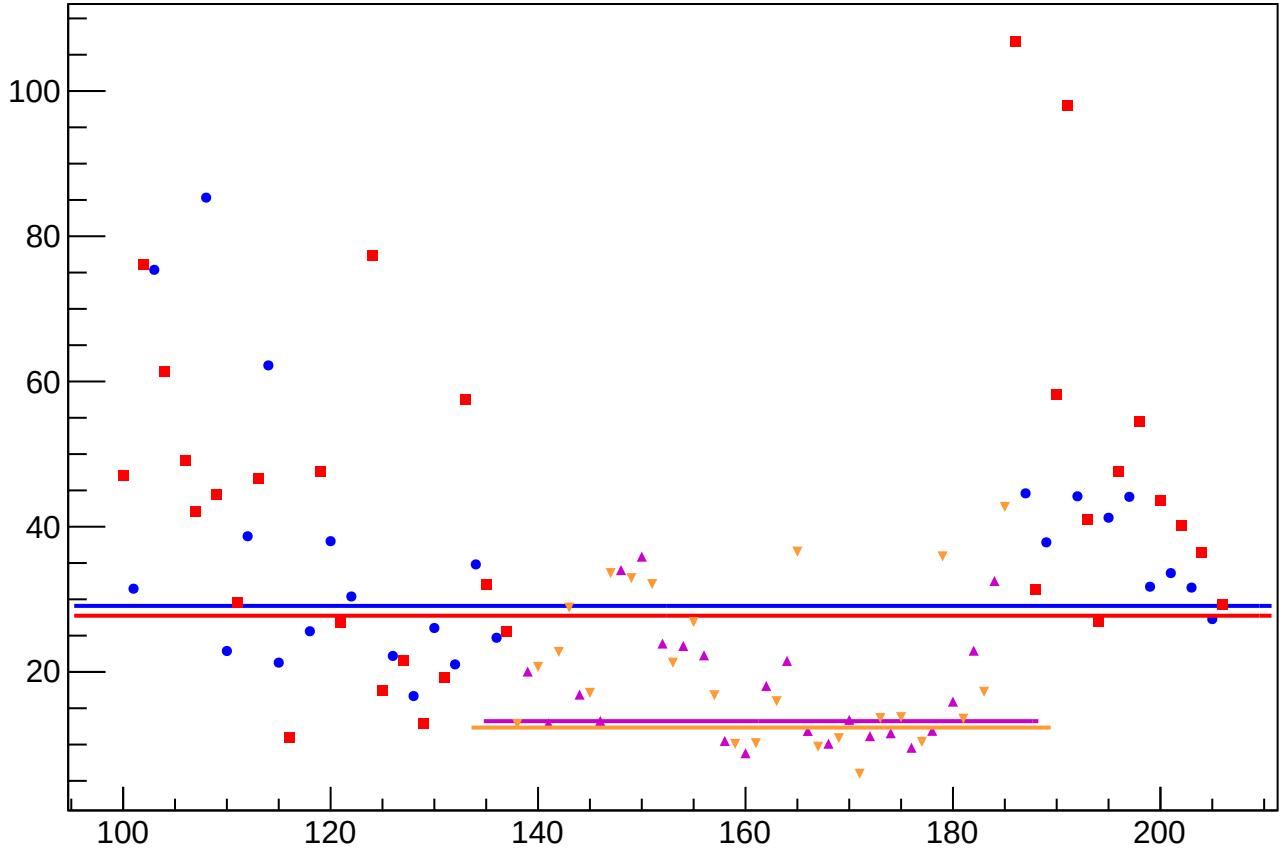
Right: -0.009+/-0.006 χ^2/NDF: 45.4/55

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 150.1/103

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

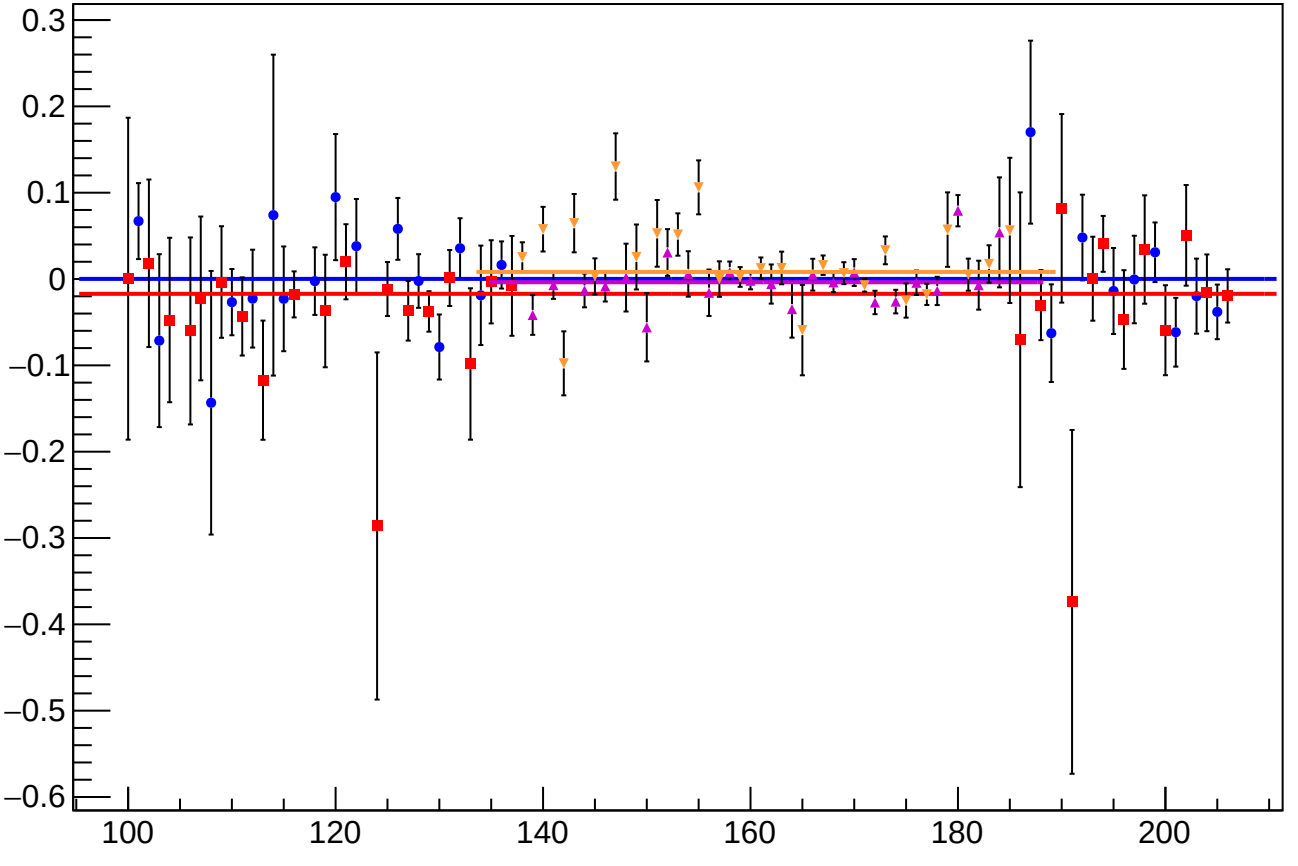
Right: 28.388+/-0.004 χ^2/NDF: 7902588.3/55

In: 15.506+/-0.002 χ^2/NDF:11518457.2/47

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.001+/-0.002 χ^2/NDF: 29743235.5/103

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

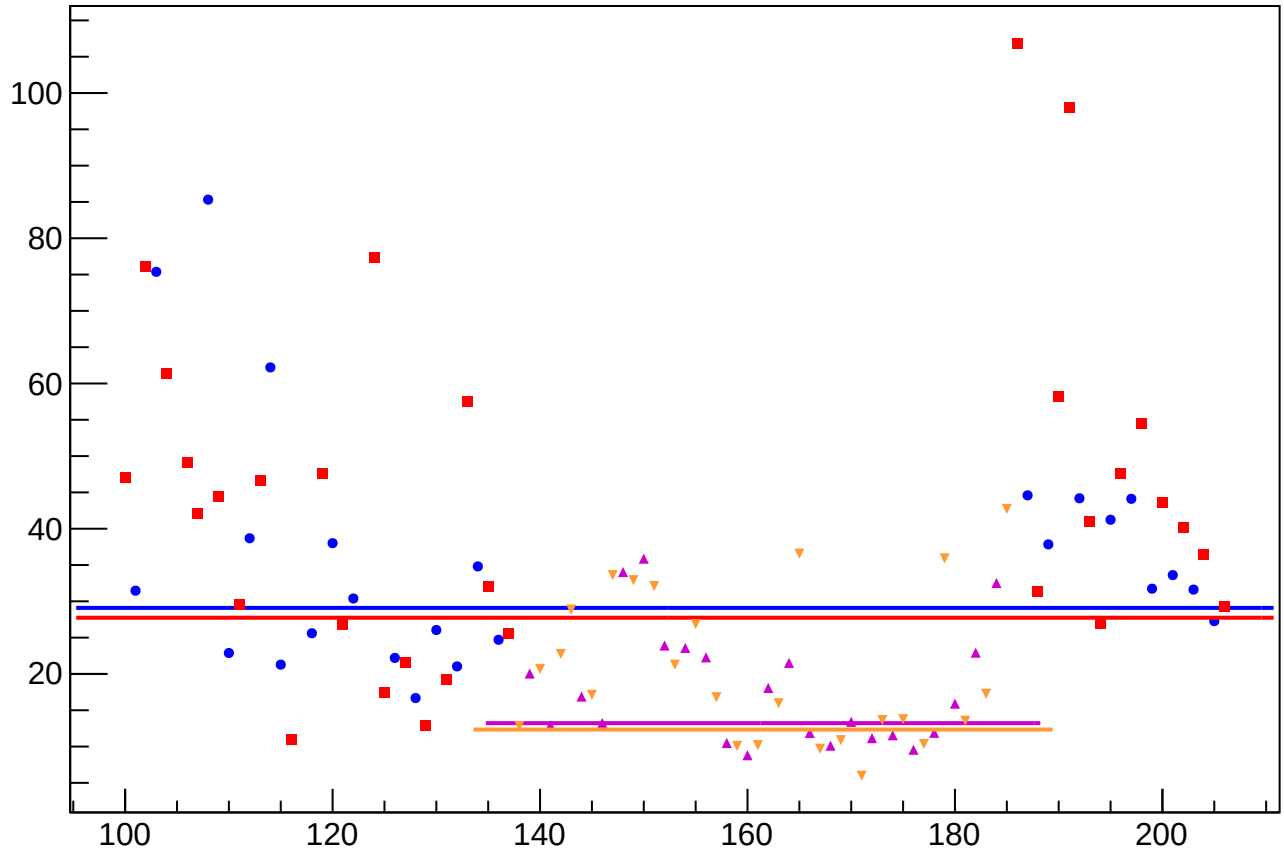
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.006 χ^2/NDF: 45.4/55

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 150.1/103



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

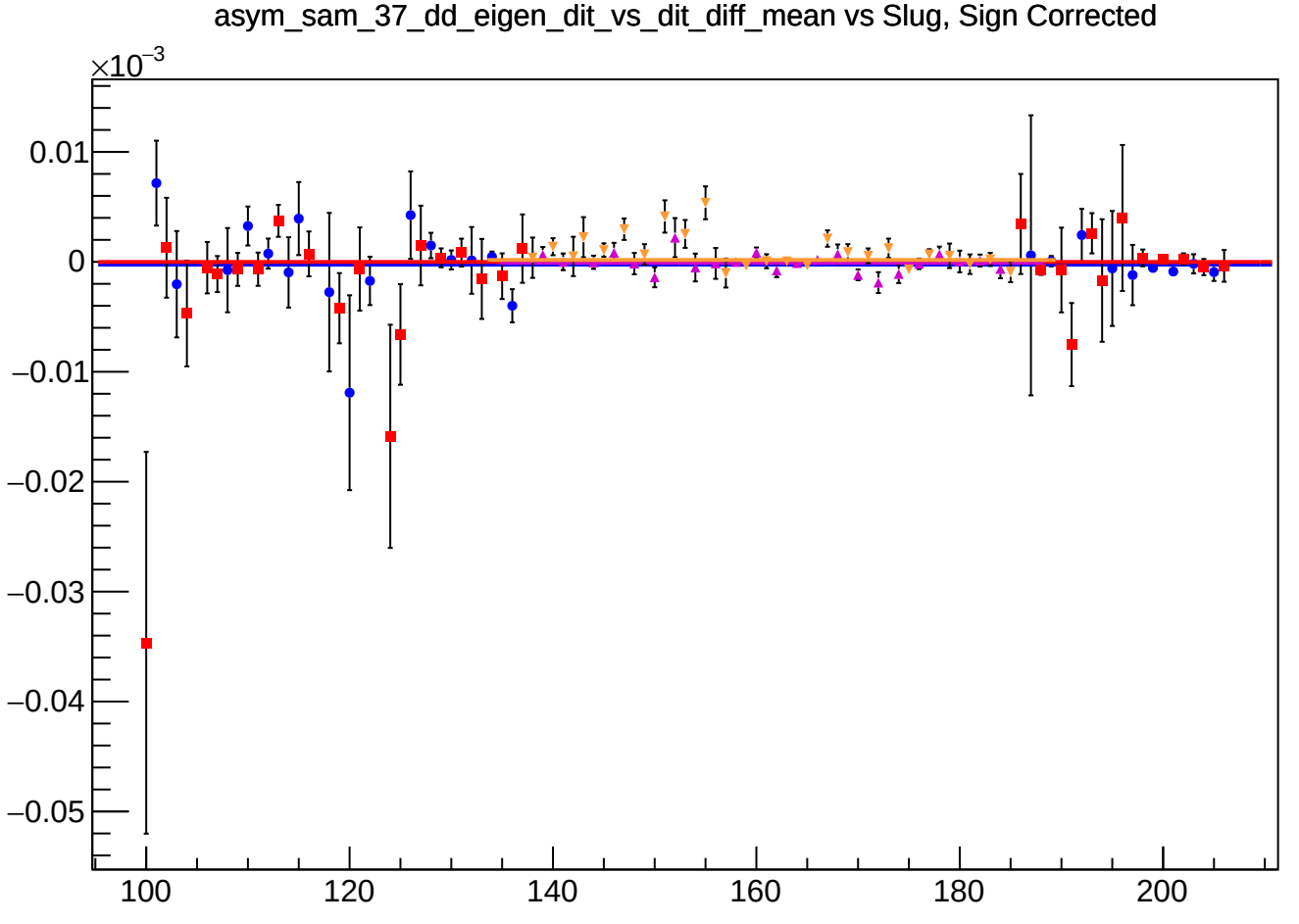
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.388+/-0.004 χ^2/NDF: 7902588.3/55

In: 15.506+/-0.002 χ^2/NDF:11518457.2/47

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.001+/-0.002 χ^2/NDF: 29743235.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/30

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

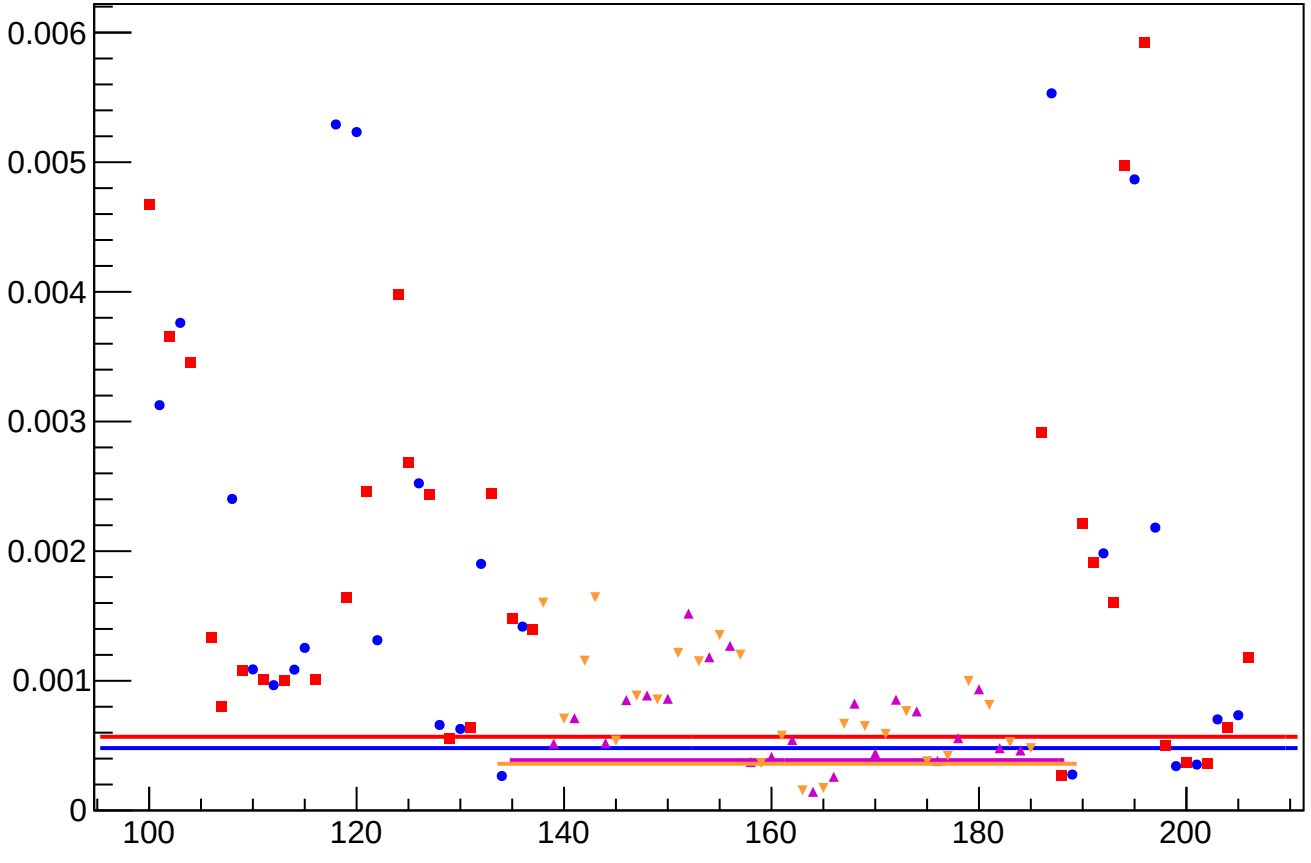
Right: -0.000+/-0.000 χ^2/NDF: 62.4/55

In: -0.000+/-0.000 χ^2/NDF:55.3/47

Out: 0.000+/-0.000 χ^2/NDF:93.4/55

All: 0.000+/-0.000 χ^2/NDF: 152.7/103

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11525754.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12039239.1/30

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

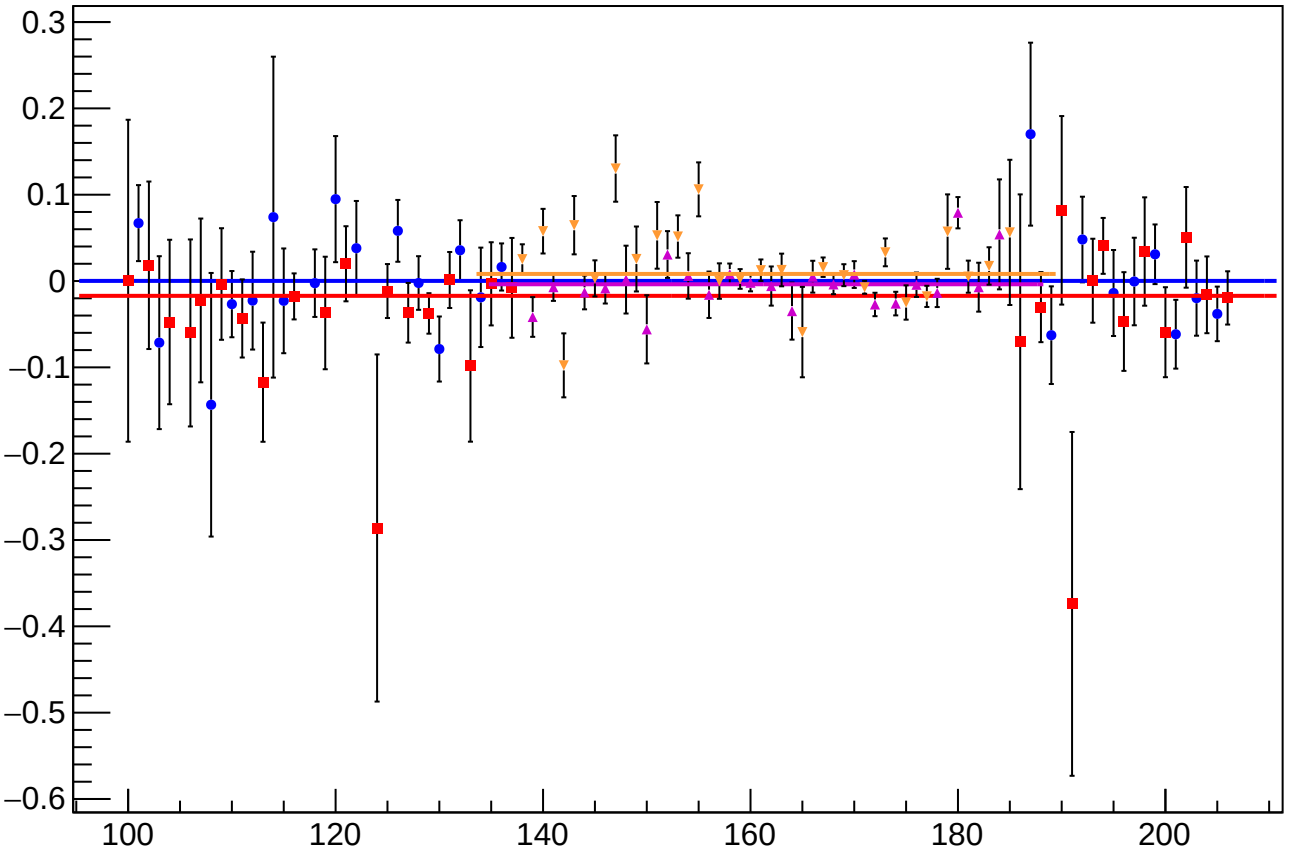
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 23771645.2/55

In: 0.000+/-0.000 χ^2/NDF:22364645.6/47

Out: 0.000+/-0.000 χ^2/NDF:27728614.6/55

All: 0.000+/-0.000 χ^2/NDF: 50103643.6/103



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

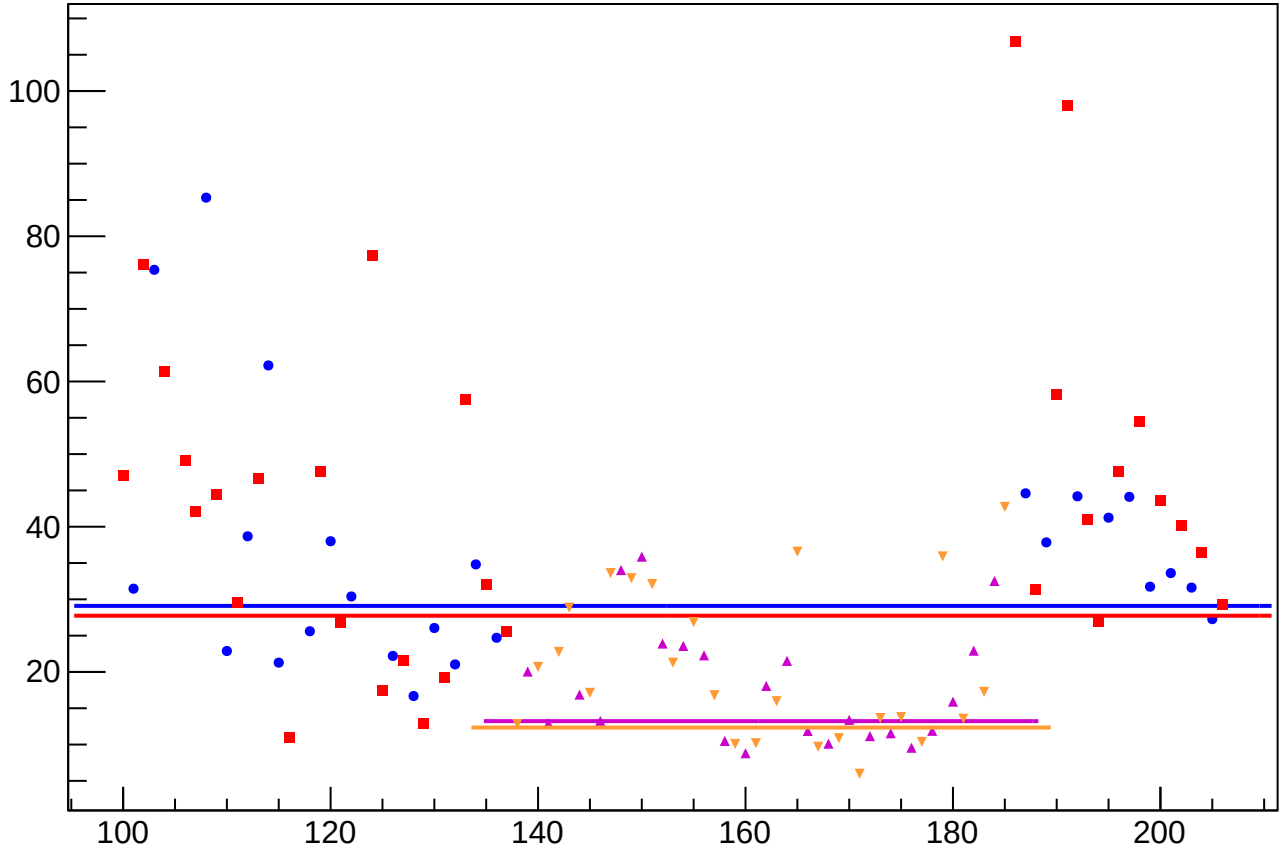
Right: -0.009+/-0.006 χ^2/NDF: 45.4/55

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 150.1/103

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

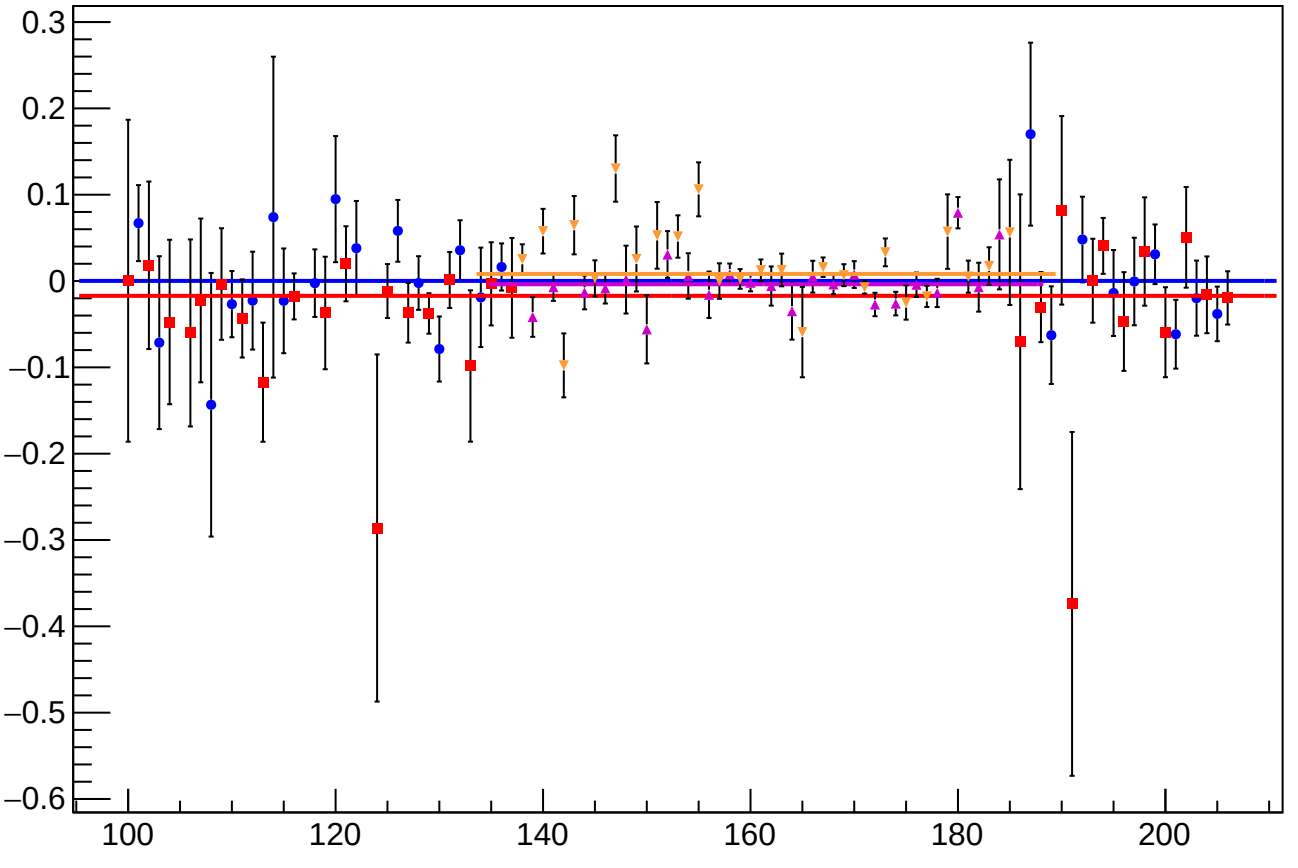
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.388+/-0.004 χ^2/NDF: 7902171.1/55

In: 15.506+/-0.002 χ^2/NDF:11518642.8/47

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.001+/-0.002 χ^2/NDF: 29743553.3/103



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

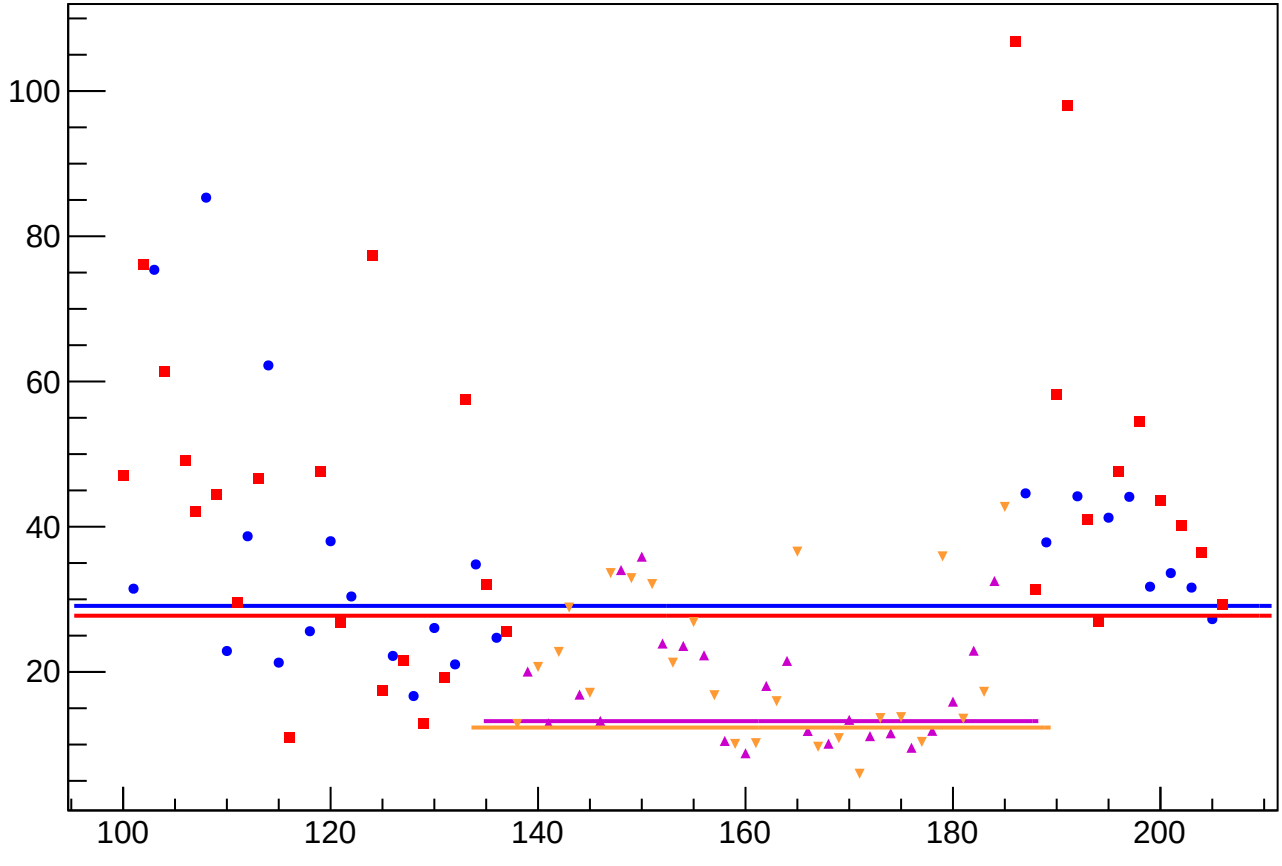
Right: -0.009+/-0.006 χ^2/NDF: 45.4/55

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 150.1/103

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

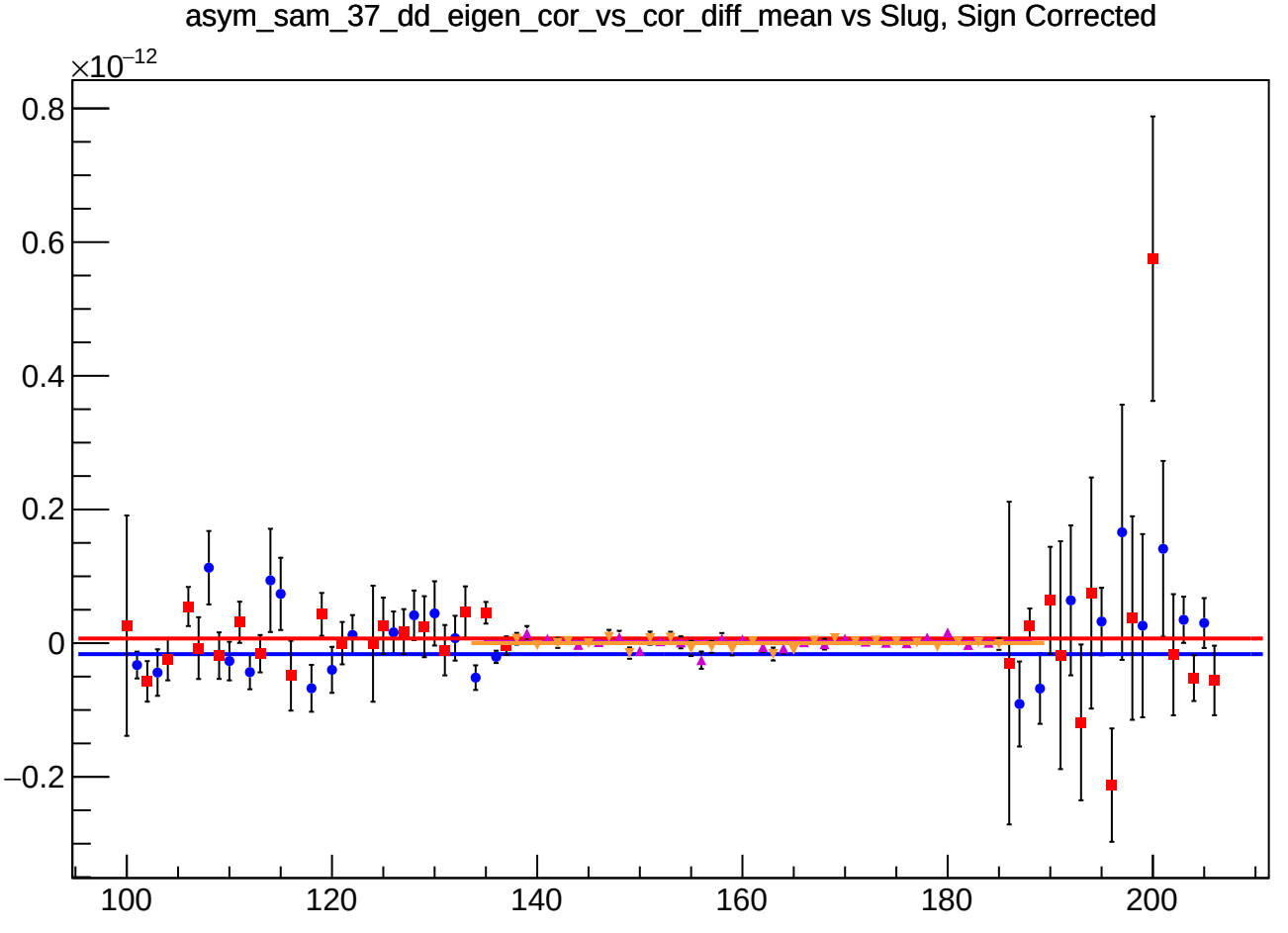
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.388+/-0.004 χ^2/NDF: 7902171.1/55

In: 15.506+/-0.002 χ^2/NDF:11518642.8/47

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.001+/-0.002 χ^2/NDF: 29743553.3/103



Right In: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.3/30

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

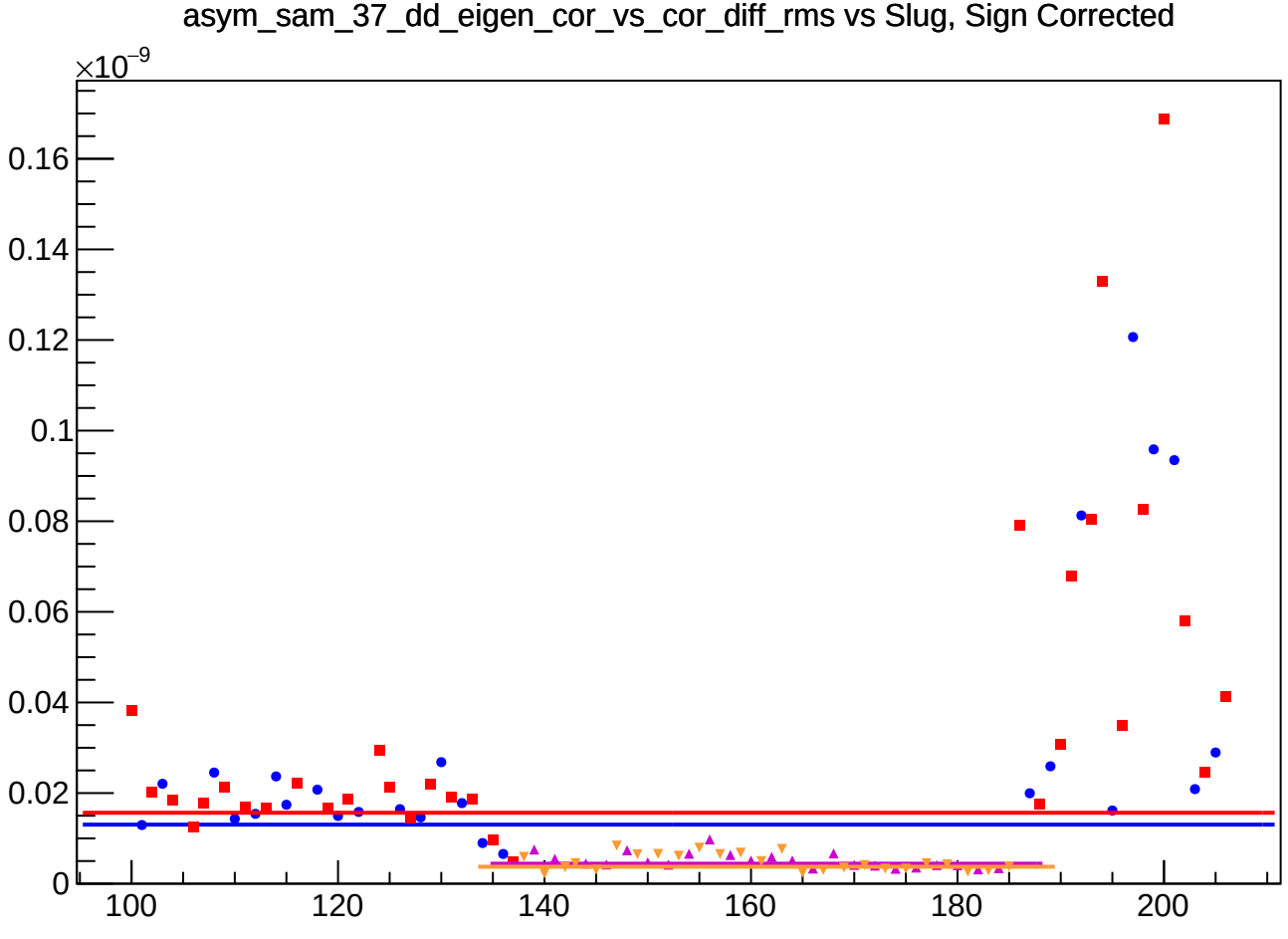
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 84.7/55

In: 0.000+/-0.000 χ^2/NDF:71.0/47

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: 0.000+/-0.000 χ^2/NDF: 135.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 5206020.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6417451.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

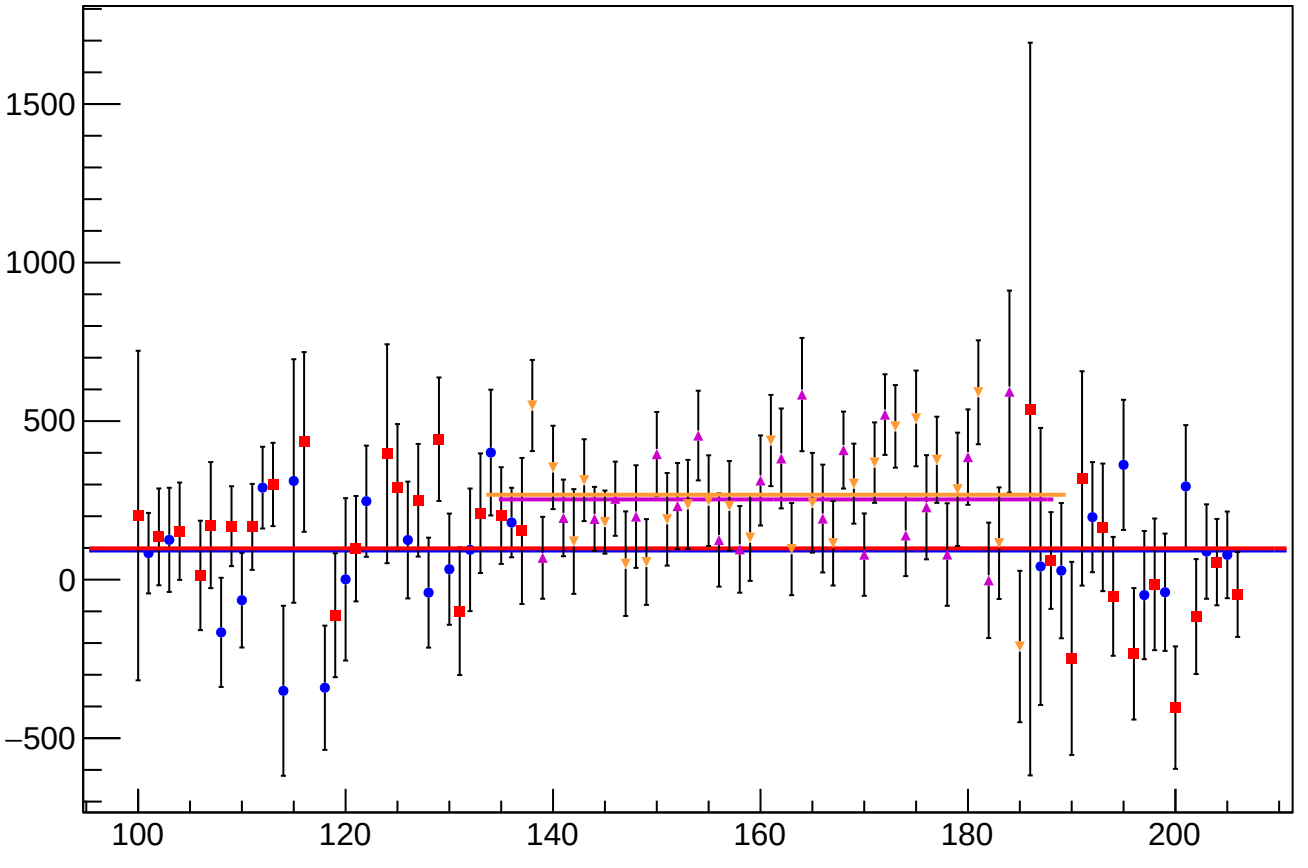
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11811696.5/55

In: 0.000+/-0.000 χ^2/NDF:11215633.5/47

Out: 0.000+/-0.000 χ^2/NDF:16402201.3/55

All: 0.000+/-0.000 χ^2/NDF: 27960330.7/103



Right In: 91.909+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.608+/-32.715 χ^2/NDF: 28.5/30

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

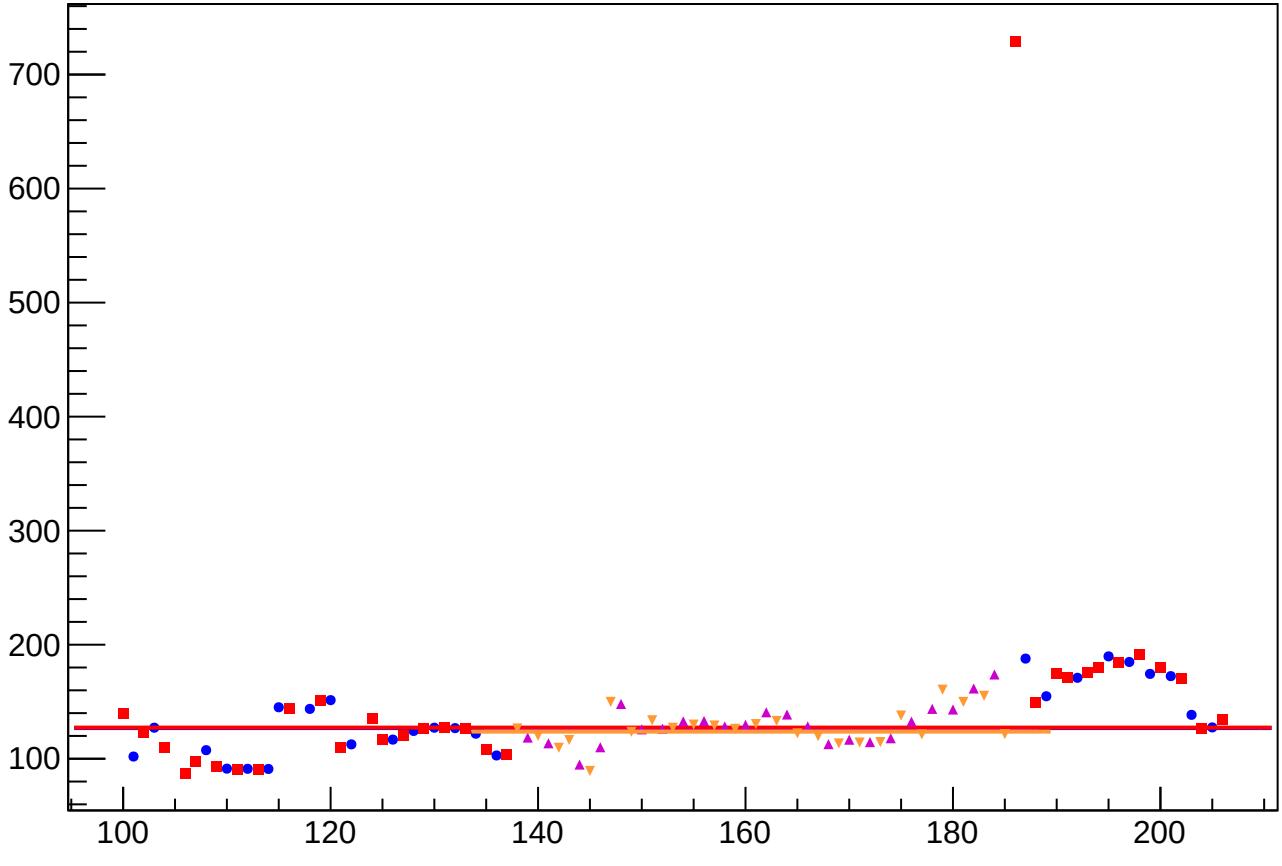
Right: 95.464+/-23.831 χ^2/NDF: 51.2/55

In: 186.133+/-22.415 χ^2/NDF:61.4/47

Out: 195.058+/-21.450 χ^2/NDF:74.7/55

All: 190.792+/-15.497 χ^2/NDF: 136.3/103

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.311+/-0.023 χ^2/NDF: 2309962.3/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

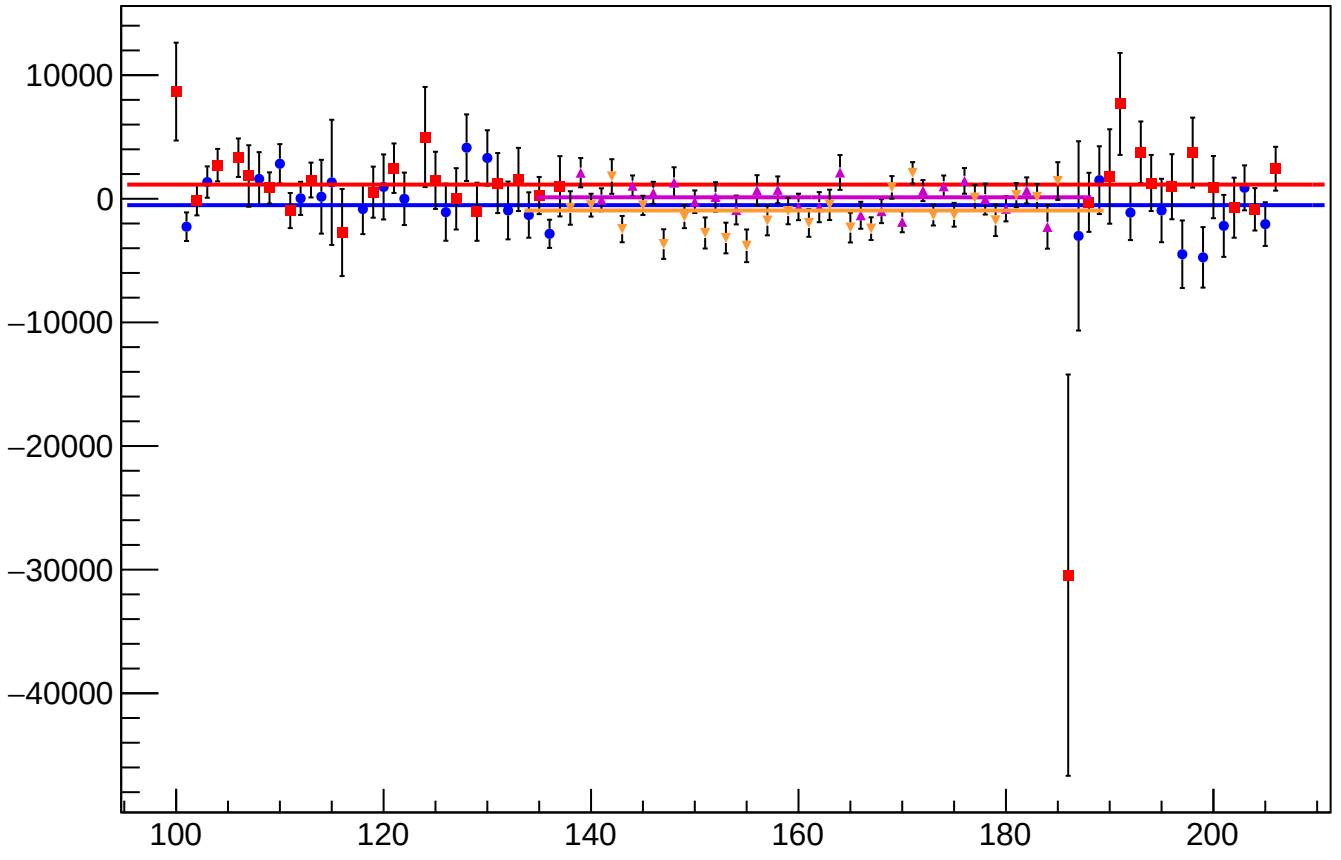
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 127.113+/-0.017 χ^2/NDF: 3679897.7/55

In: 125.351+/-0.016 χ^2/NDF:1933684.2/47

Out: 125.314+/-0.015 χ^2/NDF:2921486.8/55

All: 125.332+/-0.011 χ^2/NDF: 4855174.0/103



Right In: -516.607+/-387.464 χ^2/NDF: 28.5/24

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1147.174+/-365.047 χ^2/NDF: 25.6/30

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

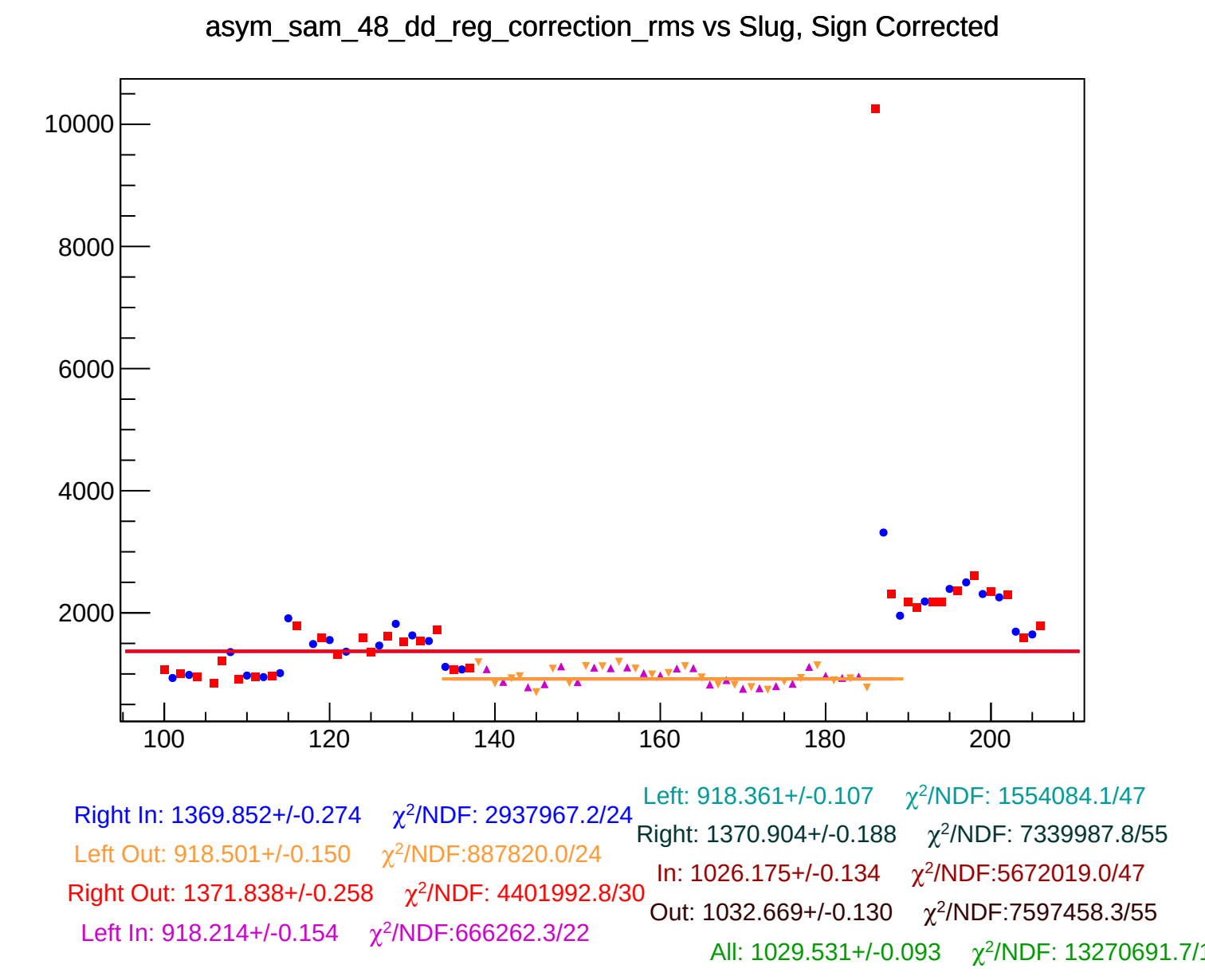
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

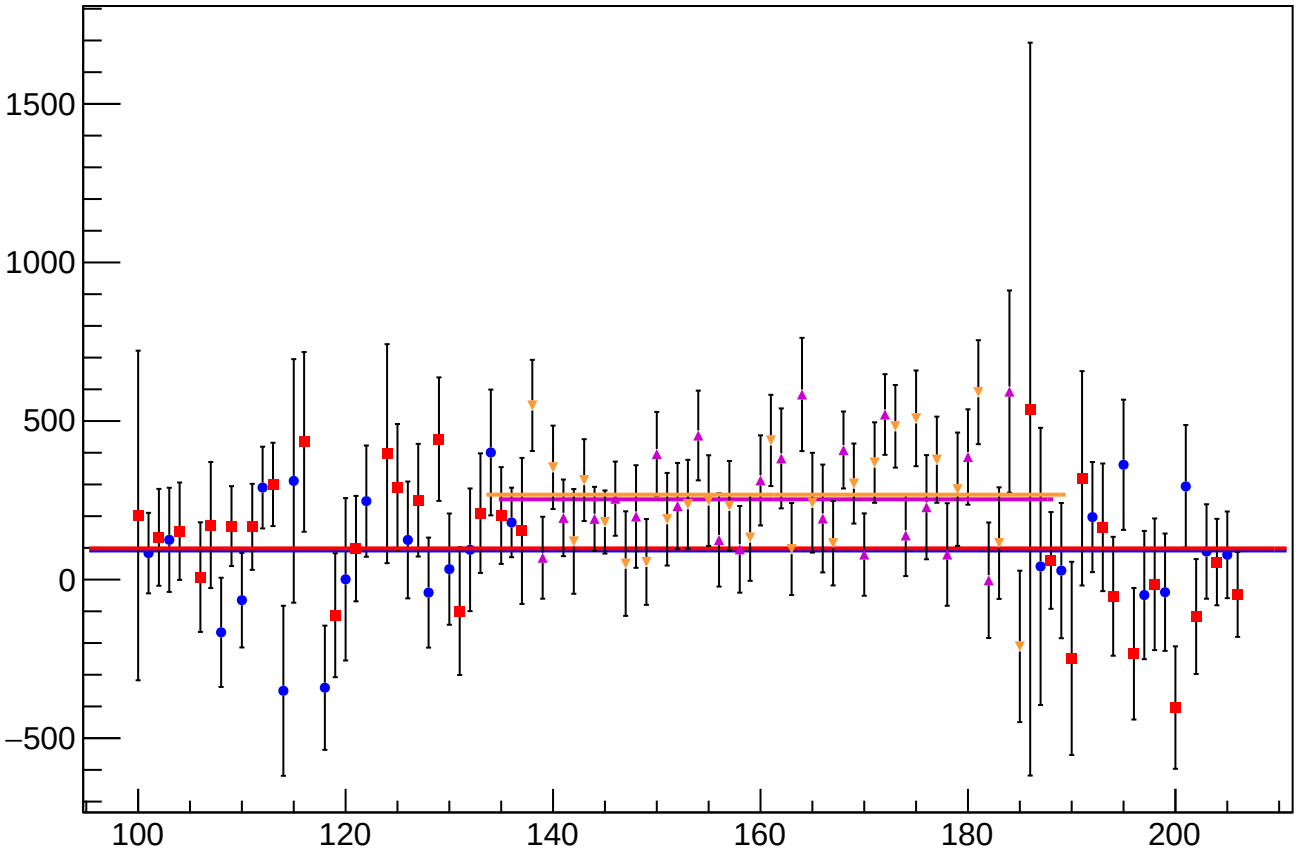
Right: 364.803+/-265.699 χ^2/NDF: 64.0/55

In: -33.370+/-189.439 χ^2/NDF:55.0/47

Out: -420.145+/-183.194 χ^2/NDF:100.6/55

All: -233.238+/-131.690 χ^2/NDF: 157.7/103


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1369.852+/-0.274 χ²/NDF: 2937967.2/24
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1371.838+/-0.258 χ²/NDF: 4401992.8/30
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1370.904+/-0.188 χ²/NDF: 7339987.8/55
In: 1026.175+/-0.134 χ²/NDF:5672019.0/47
Out: 1032.669+/-0.130 χ²/NDF:7597458.3/55
All: 1029.531+/-0.093 χ²/NDF: 13270691.7/



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.347+/-32.718 χ^2/NDF: 28.5/30

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

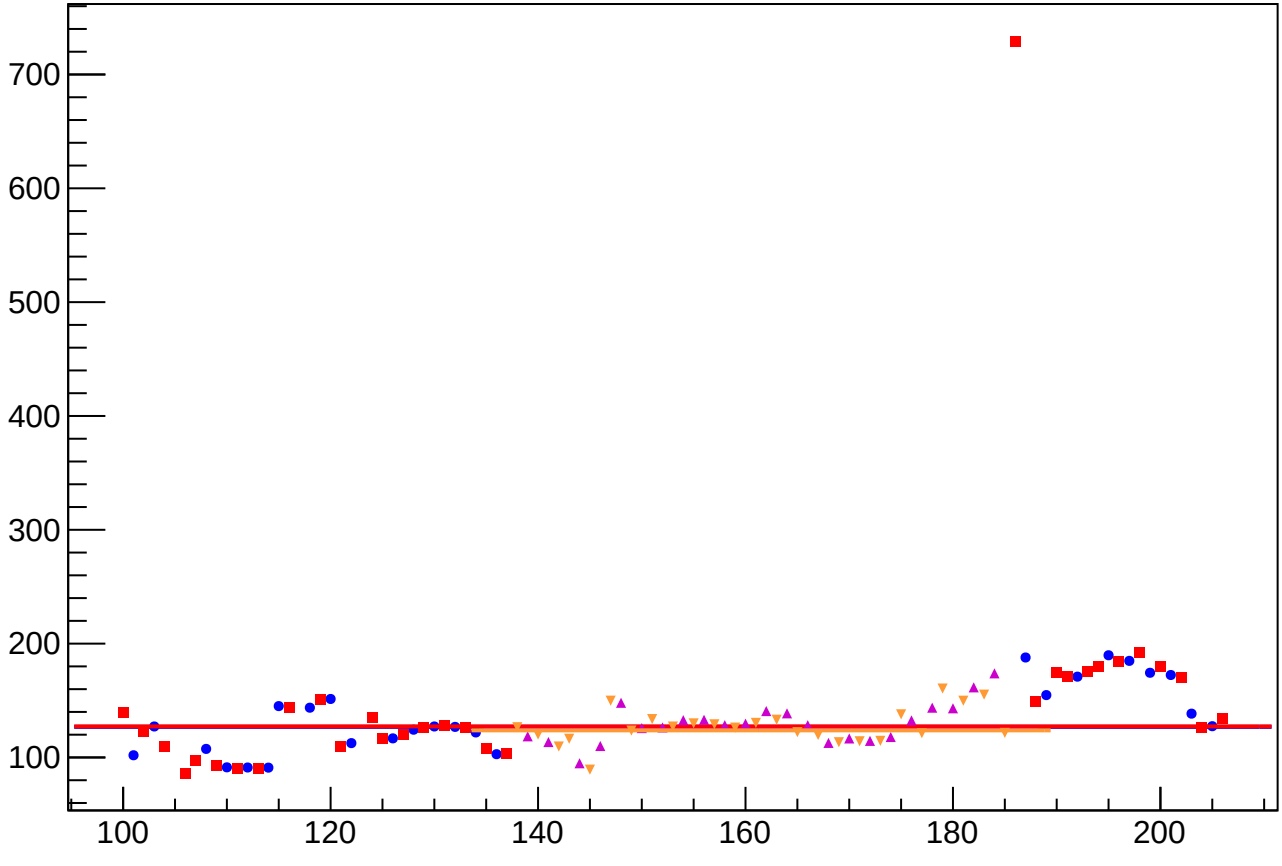
Right: 95.320+/-23.832 χ^2/NDF: 51.2/55

In: 186.131+/-22.415 χ^2/NDF:61.4/47

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 190.739+/-15.498 χ^2/NDF: 136.3/103

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

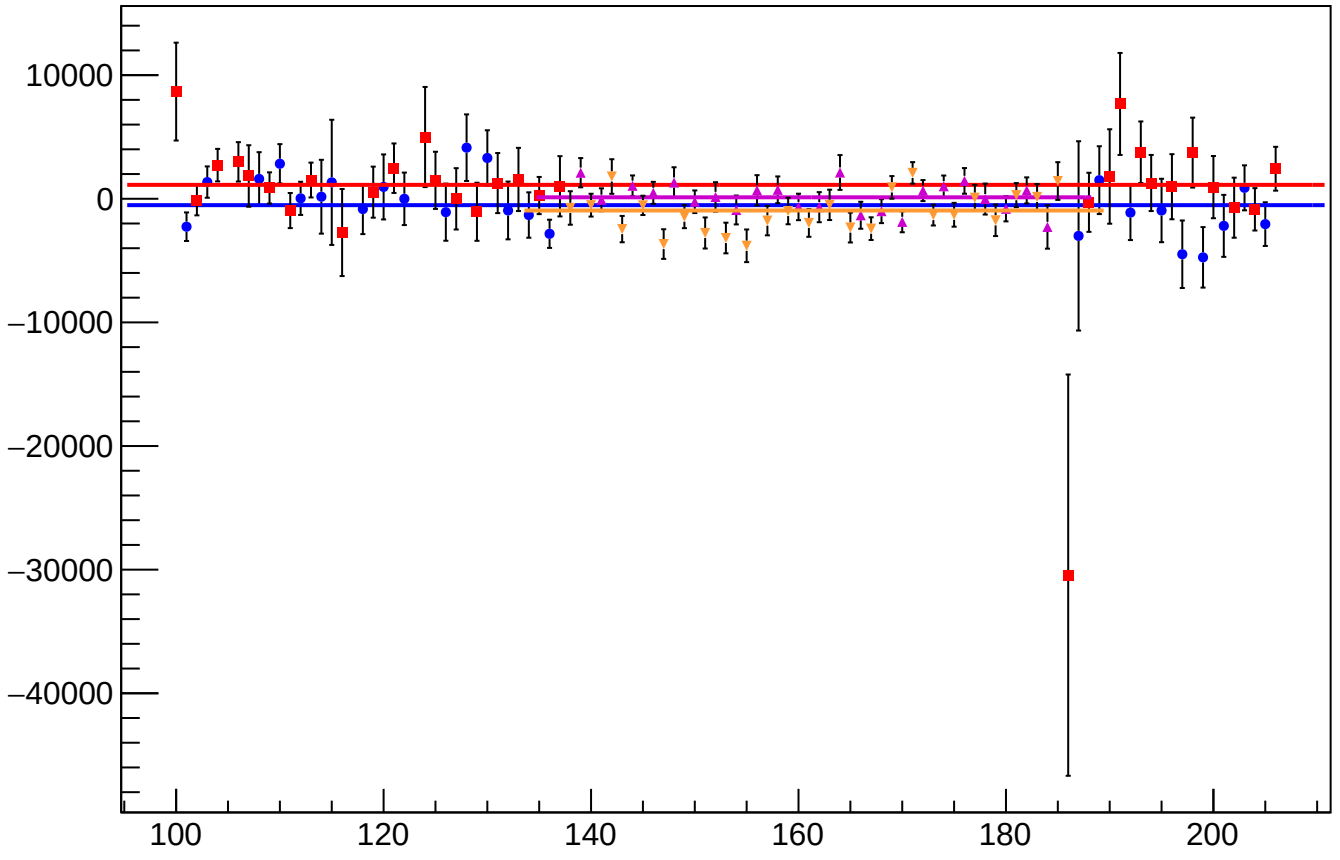
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.096+/-0.017 χ^2/NDF: 3685700.1/55

In: 125.351+/-0.016 χ^2/NDF:1933684.4/47

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.324+/-0.011 χ^2/NDF: 4860755.1/103



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1124.379+/-365.520 χ^2/NDF: 25.0/30

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

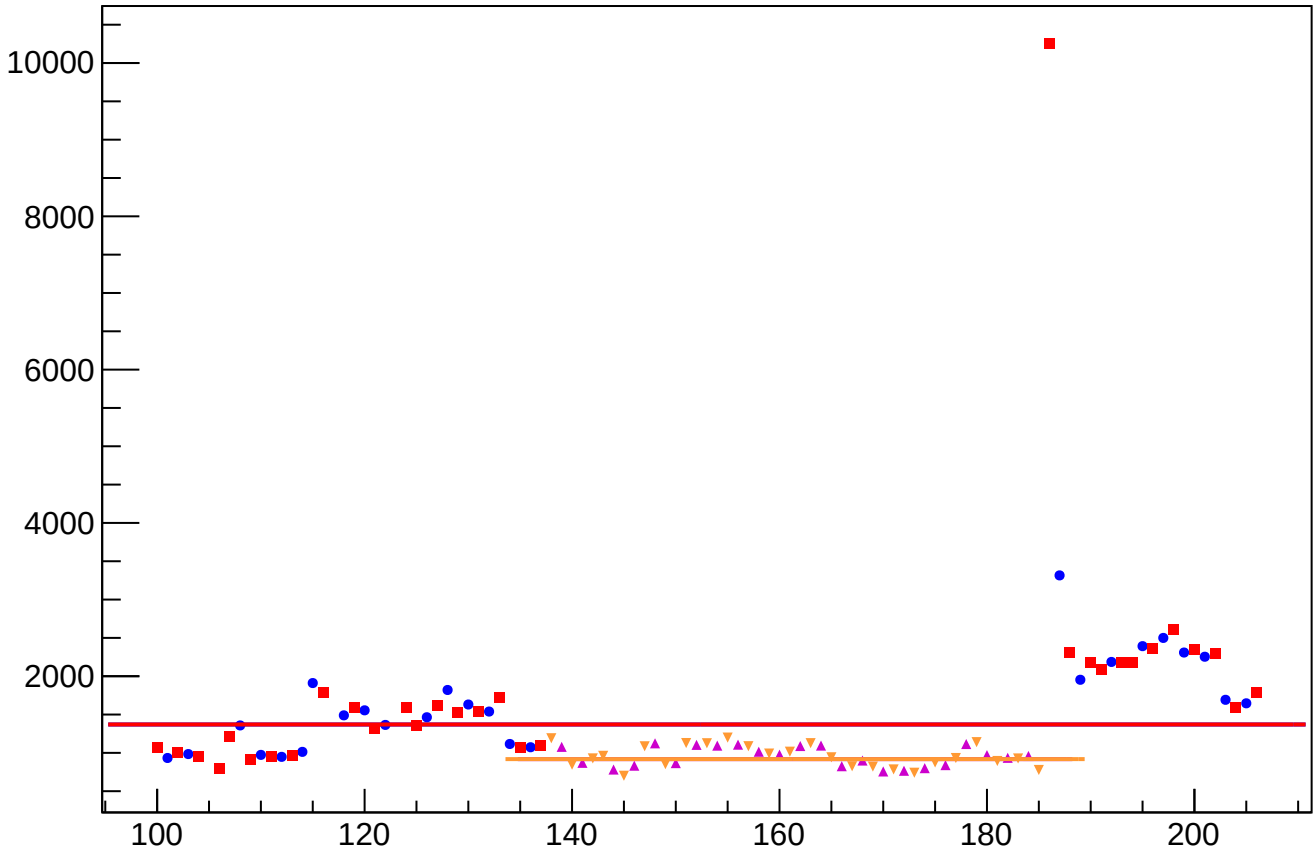
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 351.642+/-265.882 χ^2/NDF: 63.1/55

In: -33.383+/-189.440 χ^2/NDF:55.0/47

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -236.665+/-131.712 χ^2/NDF: 156.6/103



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

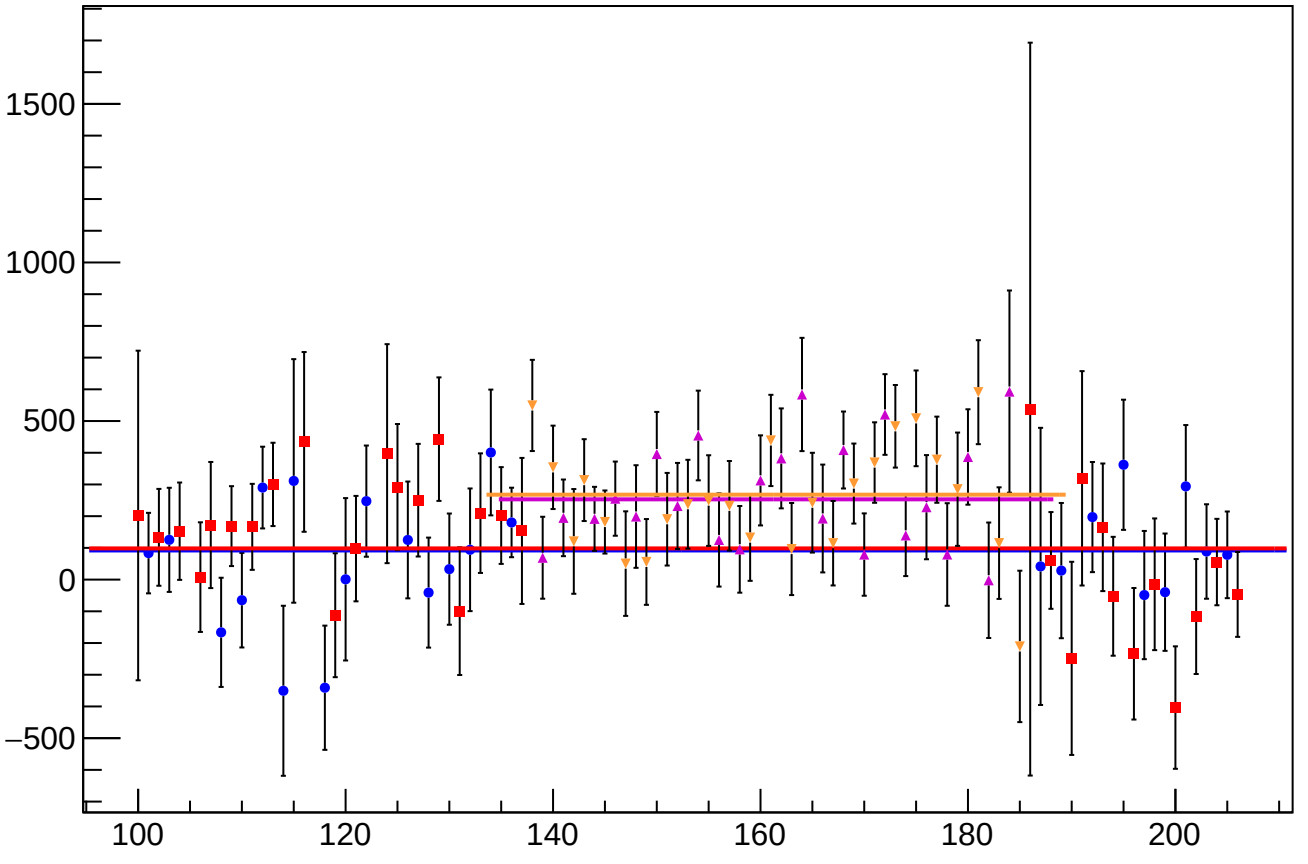
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1370.228+/-0.188 χ^2/NDF: 7372855.0/55

In: 1026.177+/-0.134 χ^2/NDF:5672012.8/47

Out: 1032.126+/-0.130 χ^2/NDF:7612936.4/55

All: 1029.250+/-0.093 χ^2/NDF: 13285968.0/1



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.347+/-32.718 χ^2/NDF: 28.5/30

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

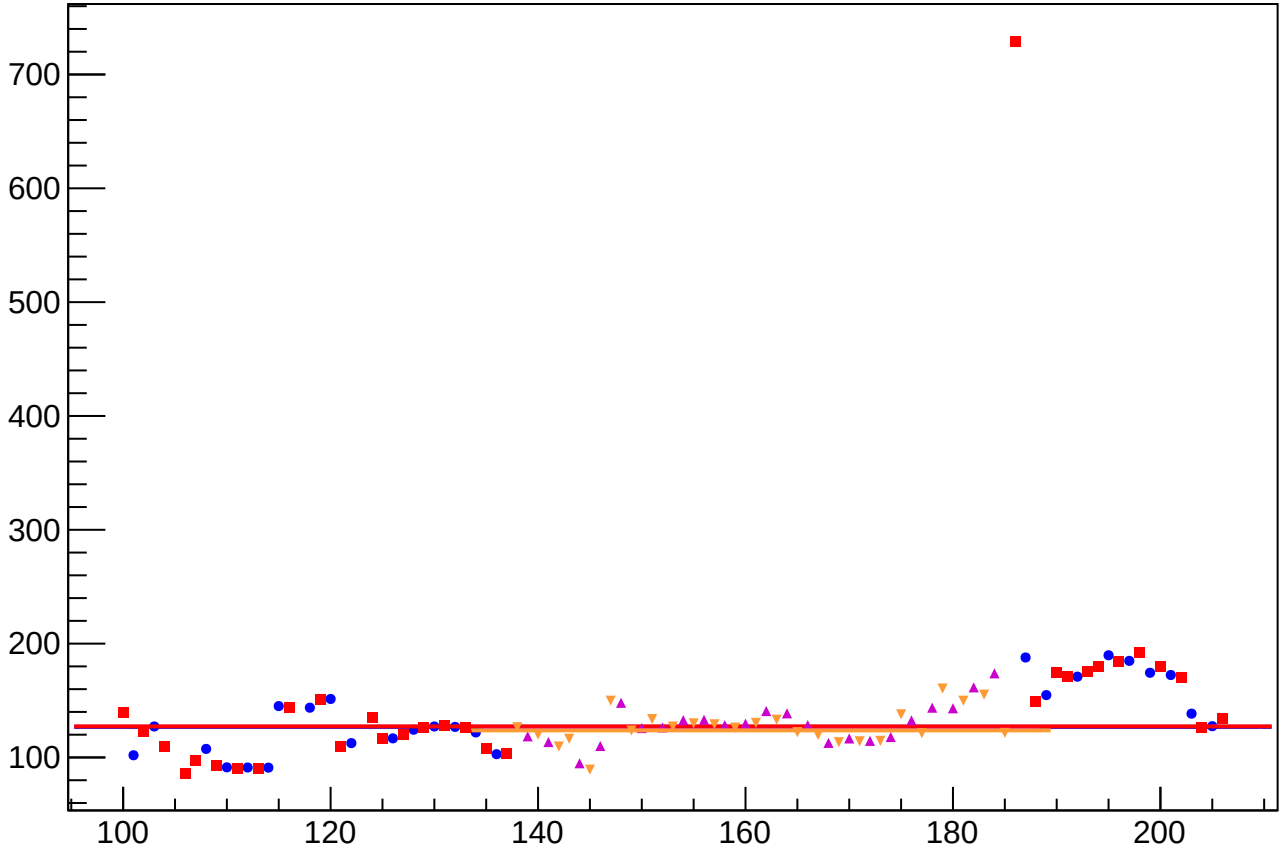
Right: 95.320+/-23.832 χ^2/NDF: 51.2/55

In: 186.131+/-22.415 χ^2/NDF:61.4/47

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 190.739+/-15.498 χ^2/NDF: 136.3/103

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

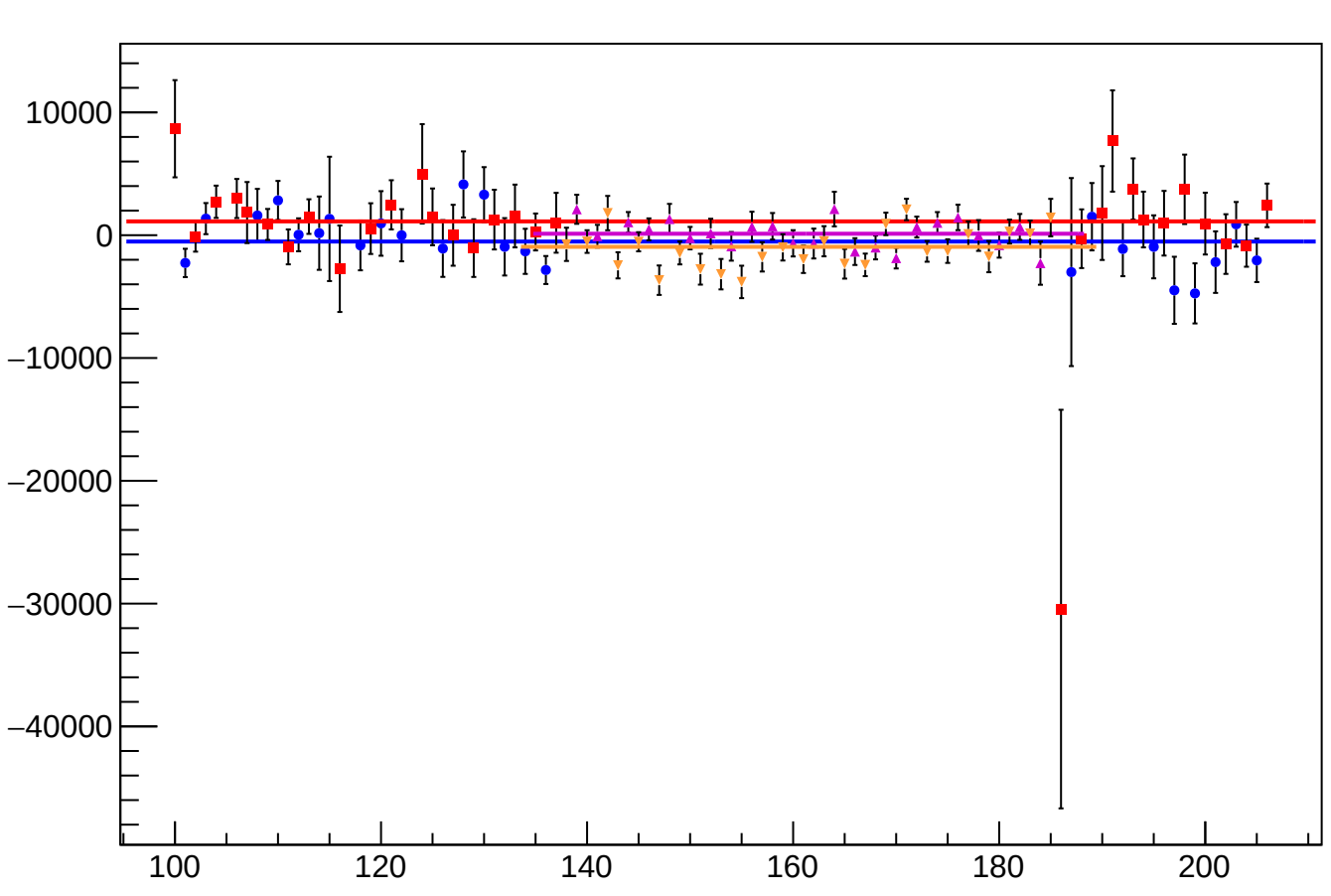
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.096+/-0.017 χ^2/NDF: 3685700.1/55

In: 125.351+/-0.016 χ^2/NDF:1933684.4/47

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.324+/-0.011 χ^2/NDF: 4860755.1/103



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1124.379+/-365.520 χ^2/NDF: 25.0/30

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

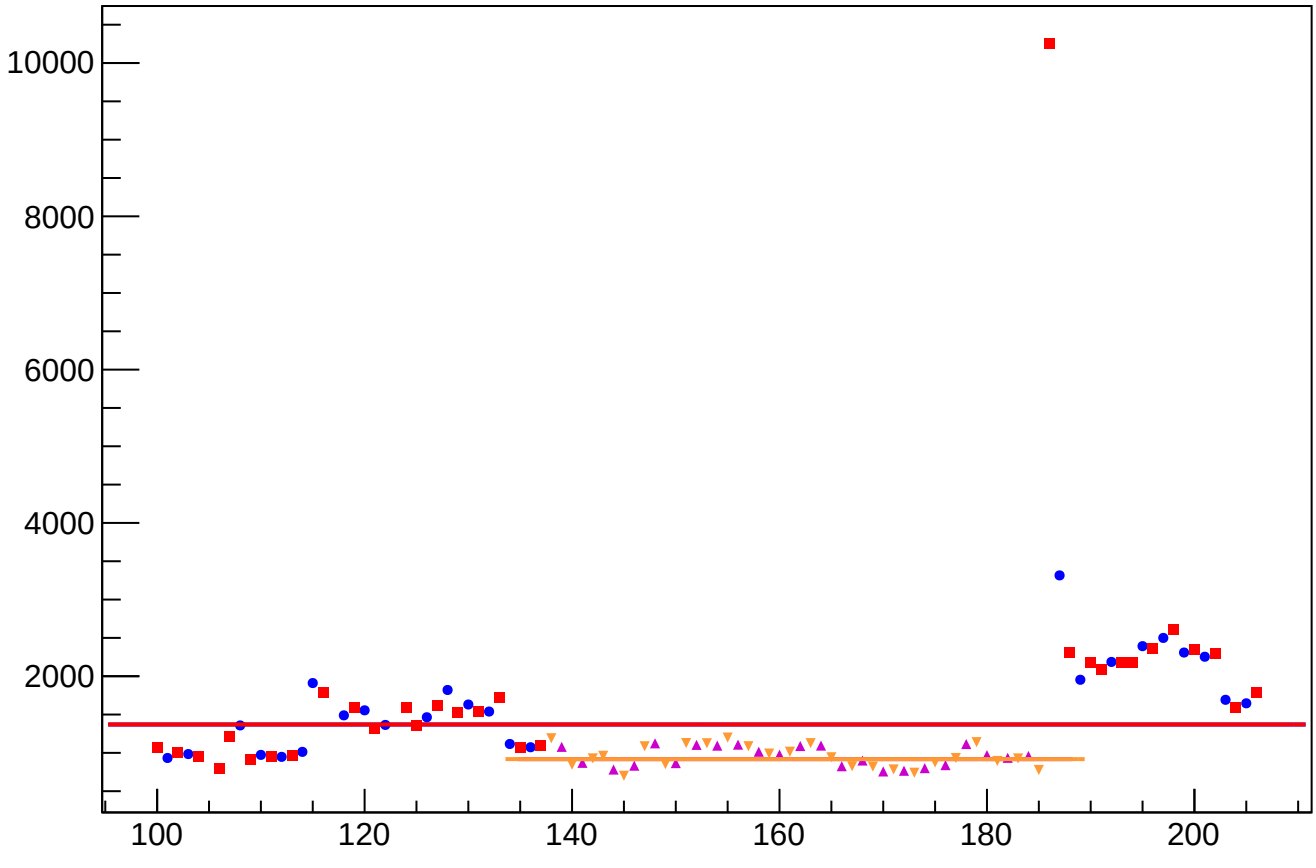
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 351.642+/-265.882 χ^2/NDF: 63.1/55

In: -33.383+/-189.440 χ^2/NDF:55.0/47

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -236.665+/-131.712 χ^2/NDF: 156.6/103



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

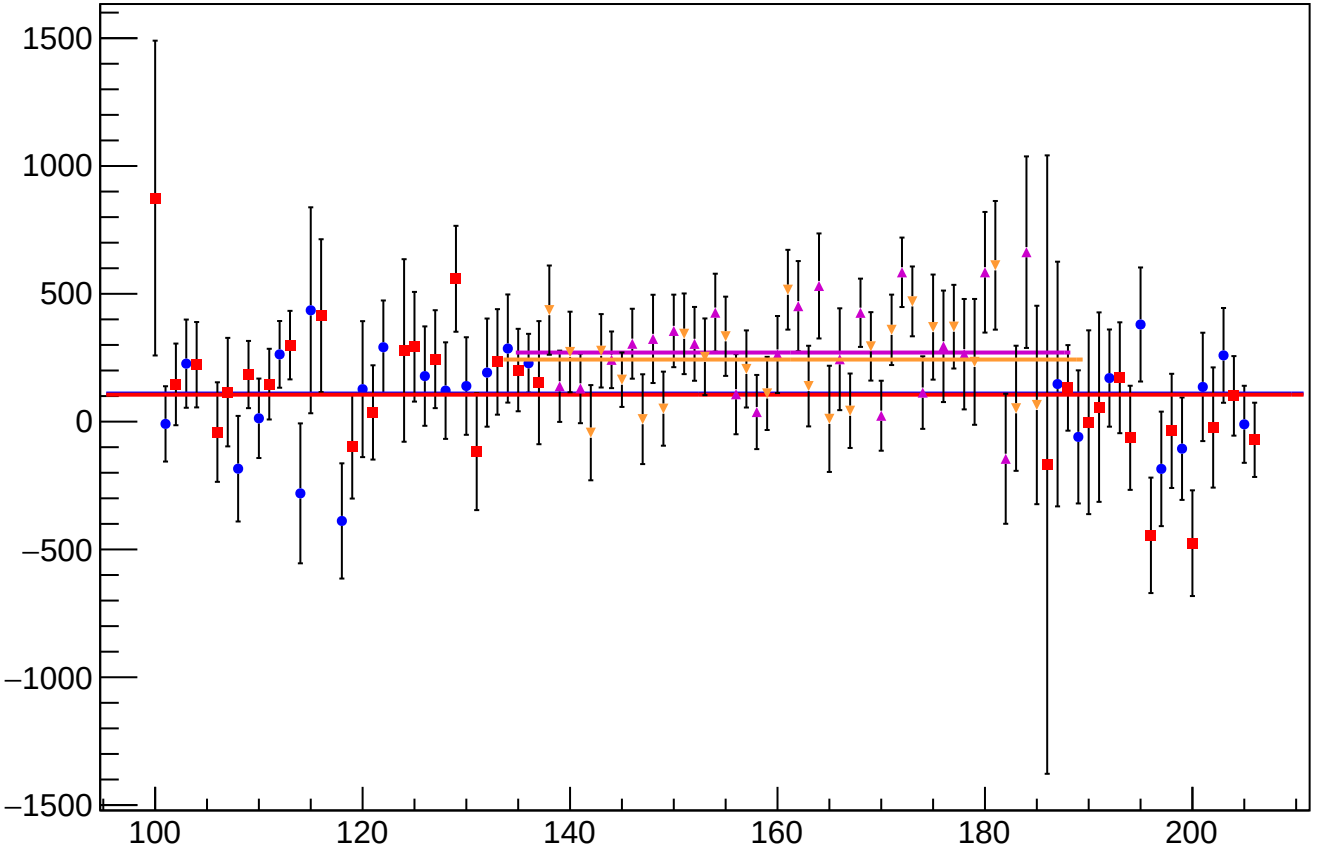
Right: 1370.228+/-0.188 χ^2/NDF: 7372855.0/55

In: 1026.177+/-0.134 χ^2/NDF:5672012.8/47

Out: 1032.126+/-0.130 χ^2/NDF:7612936.4/55

All: 1029.250+/-0.093 χ^2/NDF: 13285968.0/

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 109.845+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 105.485+/-35.314 χ^2/NDF: 32.4/30

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

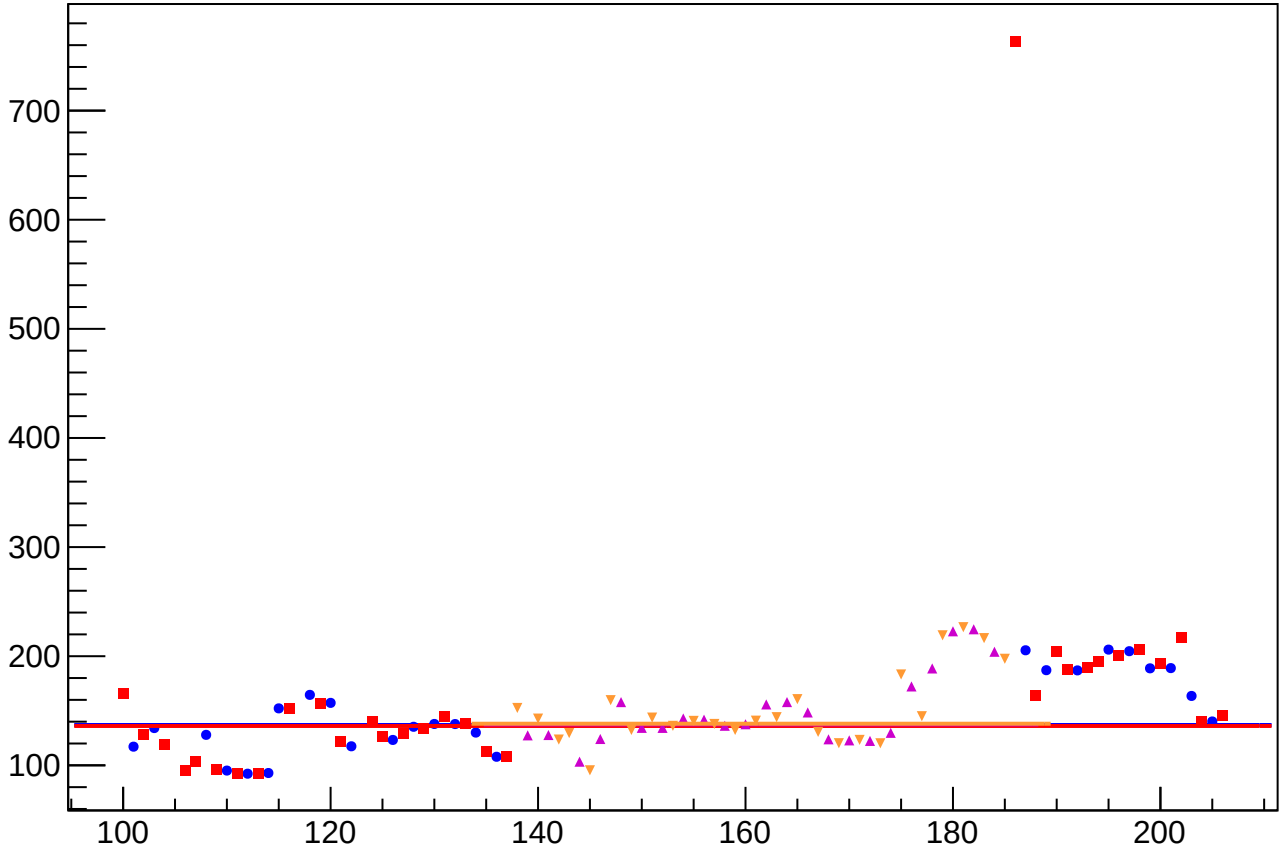
Right: 107.511+/-25.841 χ^2/NDF: 54.2/55

In: 201.356+/-24.845 χ^2/NDF:58.6/47

Out: 180.642+/-23.769 χ^2/NDF:64.4/55

All: 190.541+/-17.175 χ^2/NDF: 123.4/103

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 136.957+/-0.027 χ^2/NDF: 1604152.9/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629143.7/30

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

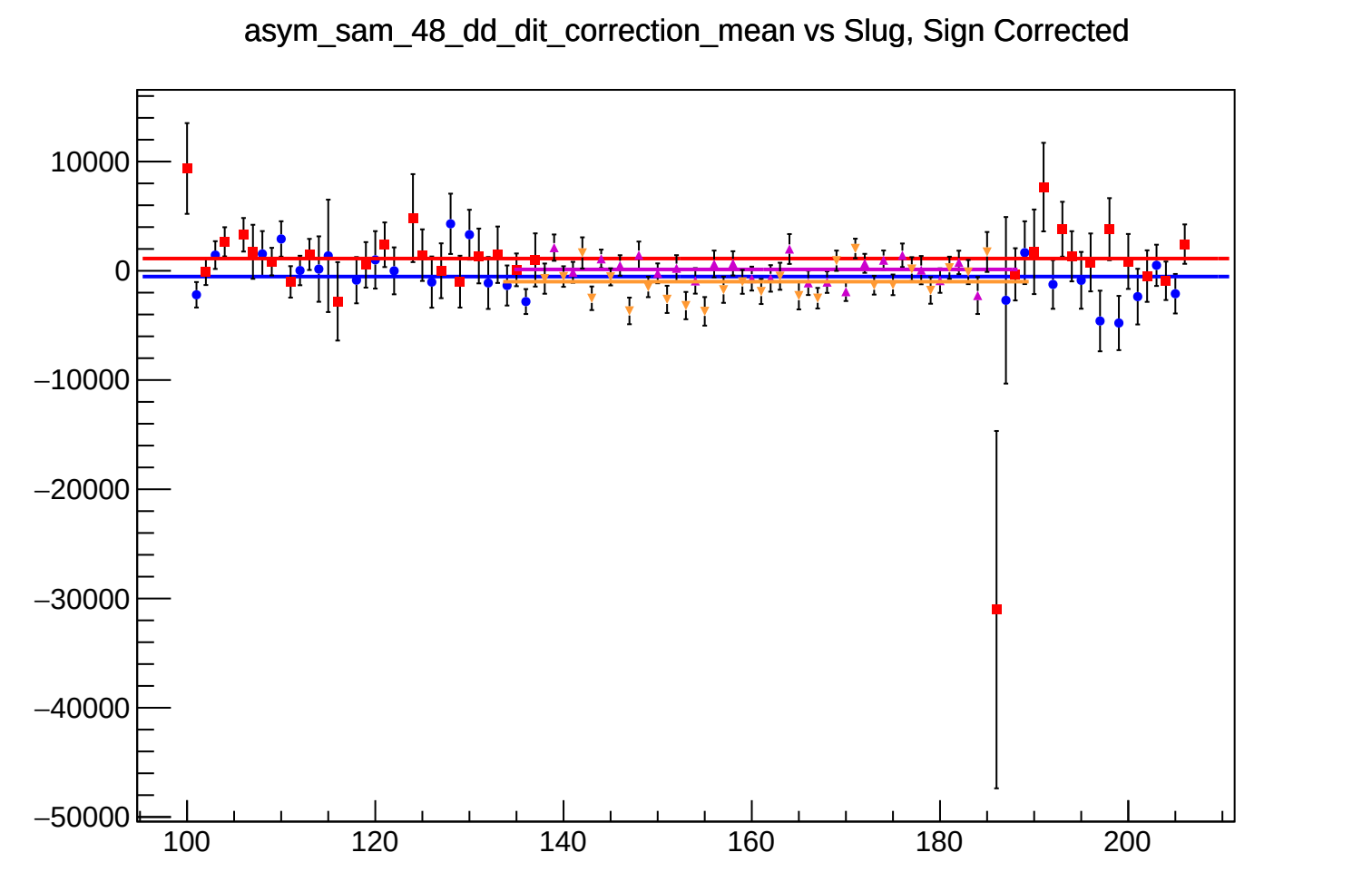
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.485+/-0.018 χ^2/NDF: 4233876.2/55

In: 137.262+/-0.018 χ^2/NDF:2713712.7/47

Out: 137.198+/-0.017 χ^2/NDF:3971145.6/55

All: 137.228+/-0.012 χ^2/NDF: 6684865.3/103



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1121.397+/-367.594 χ^2/NDF: 25.9/30

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

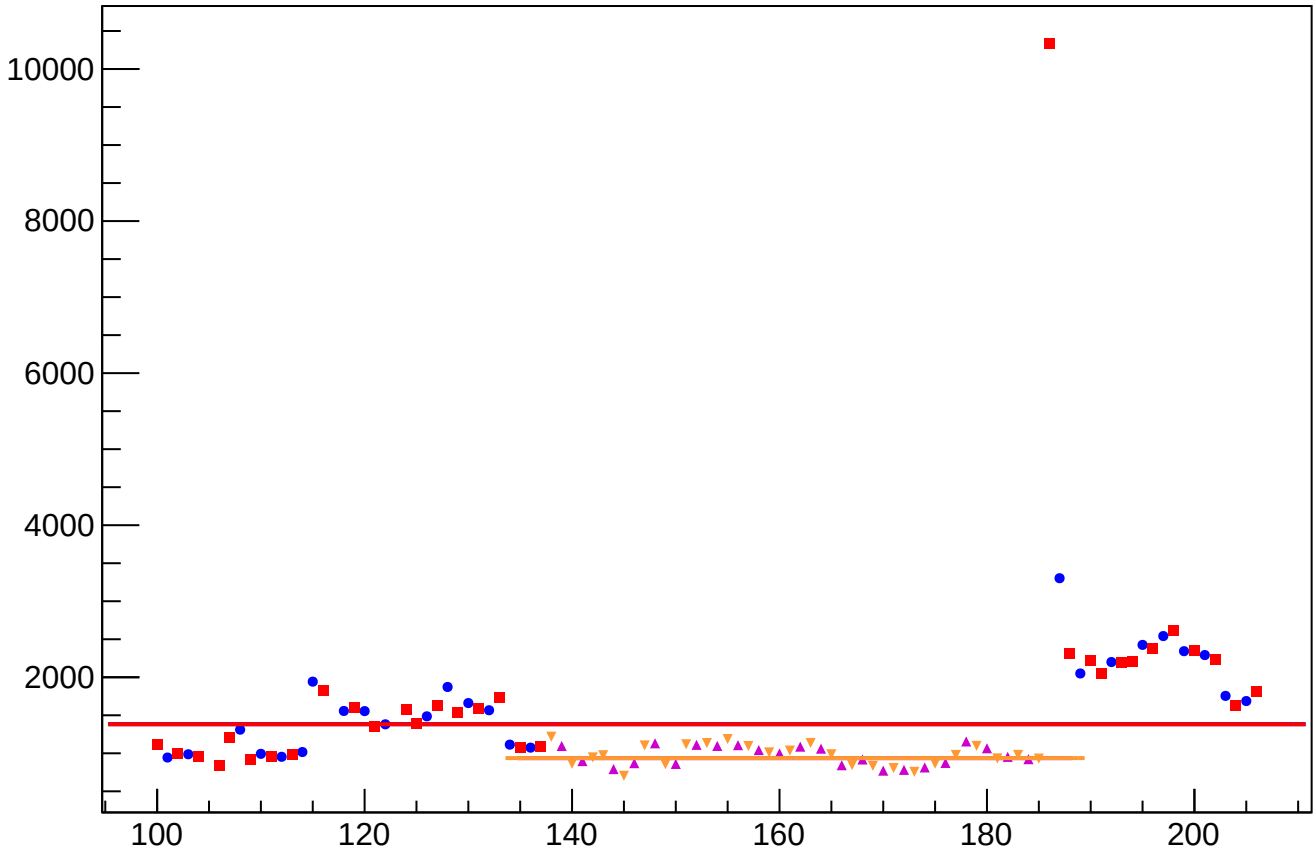
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 349.429+/-268.058 χ^2/NDF: 63.7/55

In: -32.984+/-192.724 χ^2/NDF:54.3/47

Out: -451.794+/-186.006 χ^2/NDF:97.4/55

All: -249.816+/-133.838 χ^2/NDF: 154.2/103



Right In: 1383.196+/-0.277 χ^2/NDF: 3031588.1/24

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404551.1/30

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

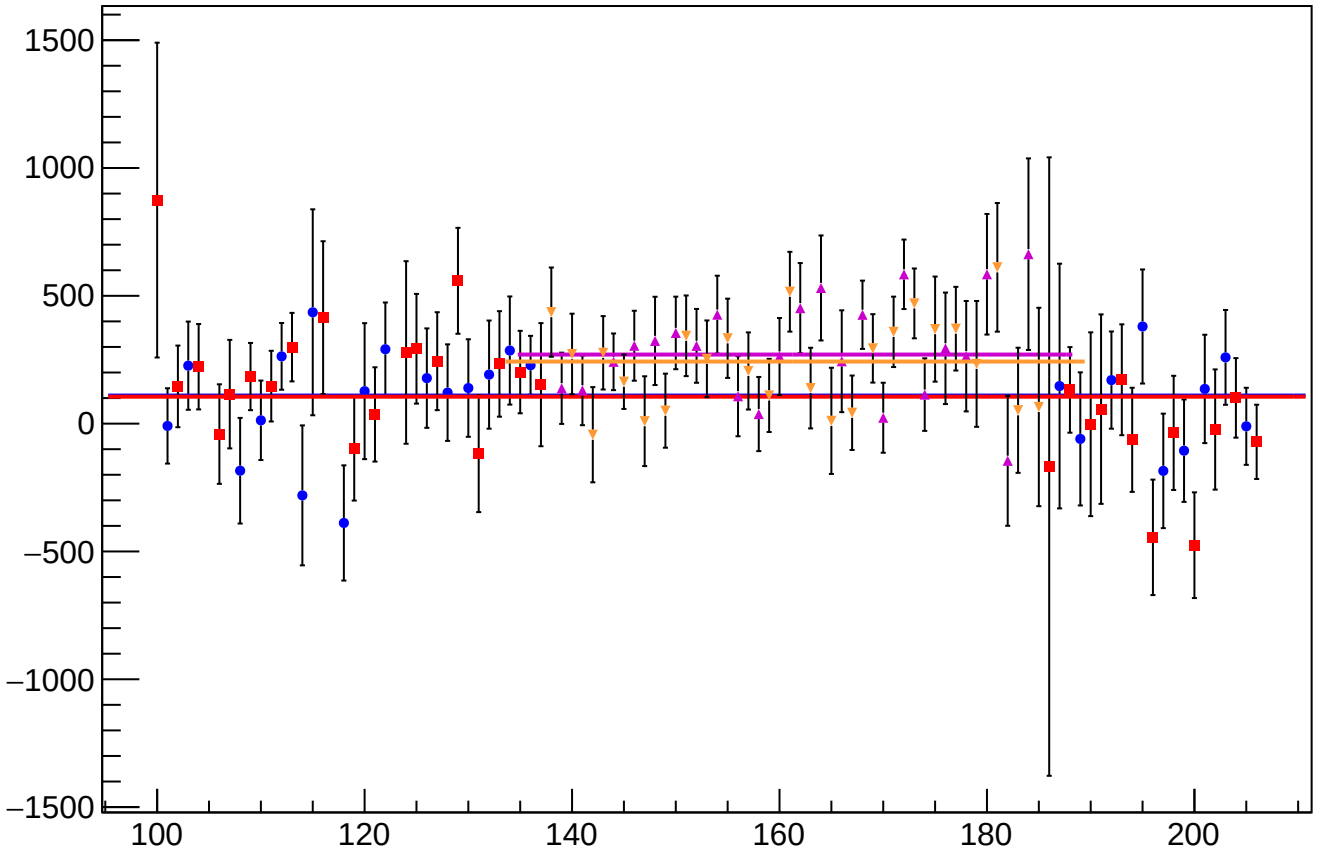
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1382.536+/-0.190 χ^2/NDF: 7436149.9/55

In: 1044.526+/-0.136 χ^2/NDF:5646502.4/47

Out: 1050.738+/-0.132 χ^2/NDF:7419584.3/55

All: 1047.742+/-0.095 χ^2/NDF: 13067162.4/



Right In: 109.847+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 105.485+/-35.314 χ^2/NDF: 32.4/30

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

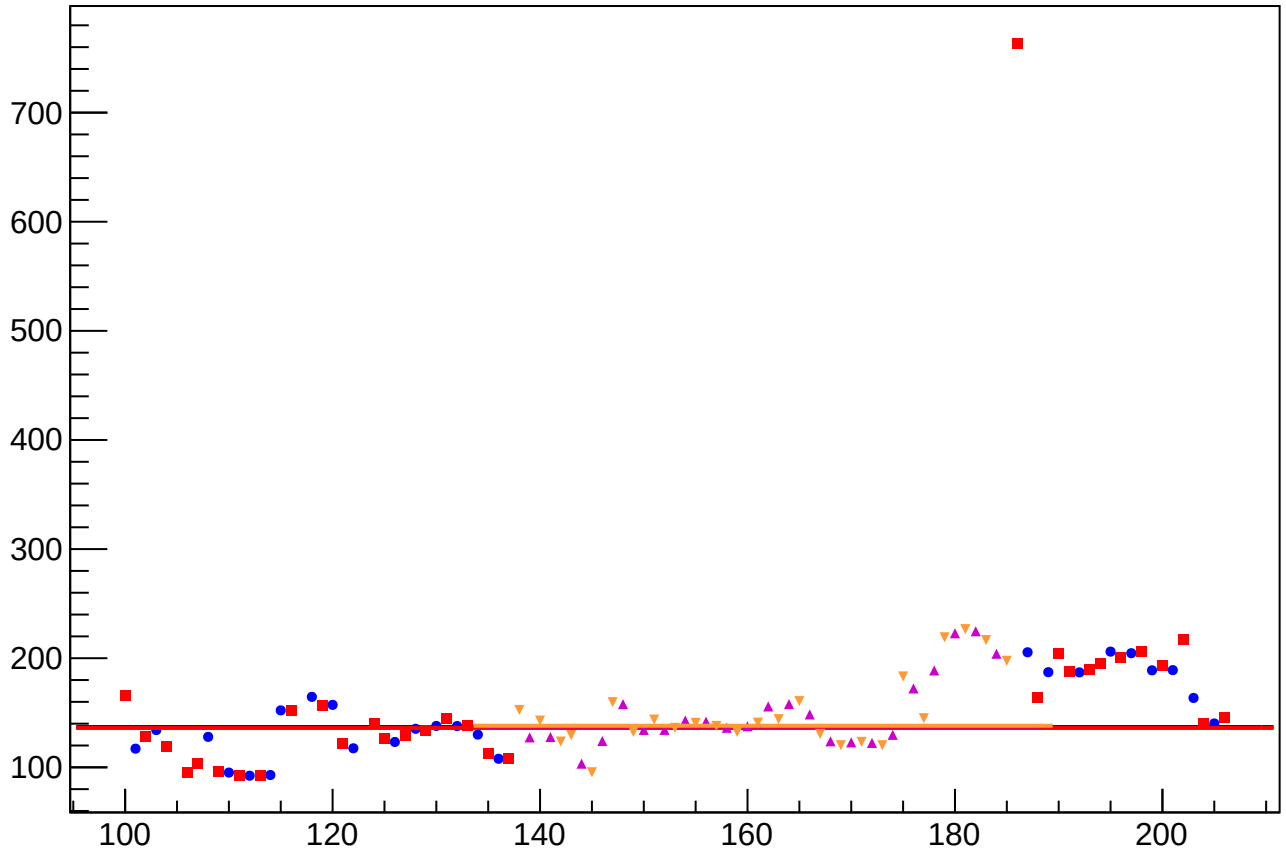
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 107.511+/-25.840 χ^2/NDF: 54.2/55

In: 201.357+/-24.845 χ^2/NDF:58.6/47

Out: 180.644+/-23.769 χ^2/NDF:64.4/55

All: 190.542+/-17.175 χ^2/NDF: 123.4/103



Right In: 136.957+/-0.027 χ^2/NDF: 1604140.3/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629151.0/30

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

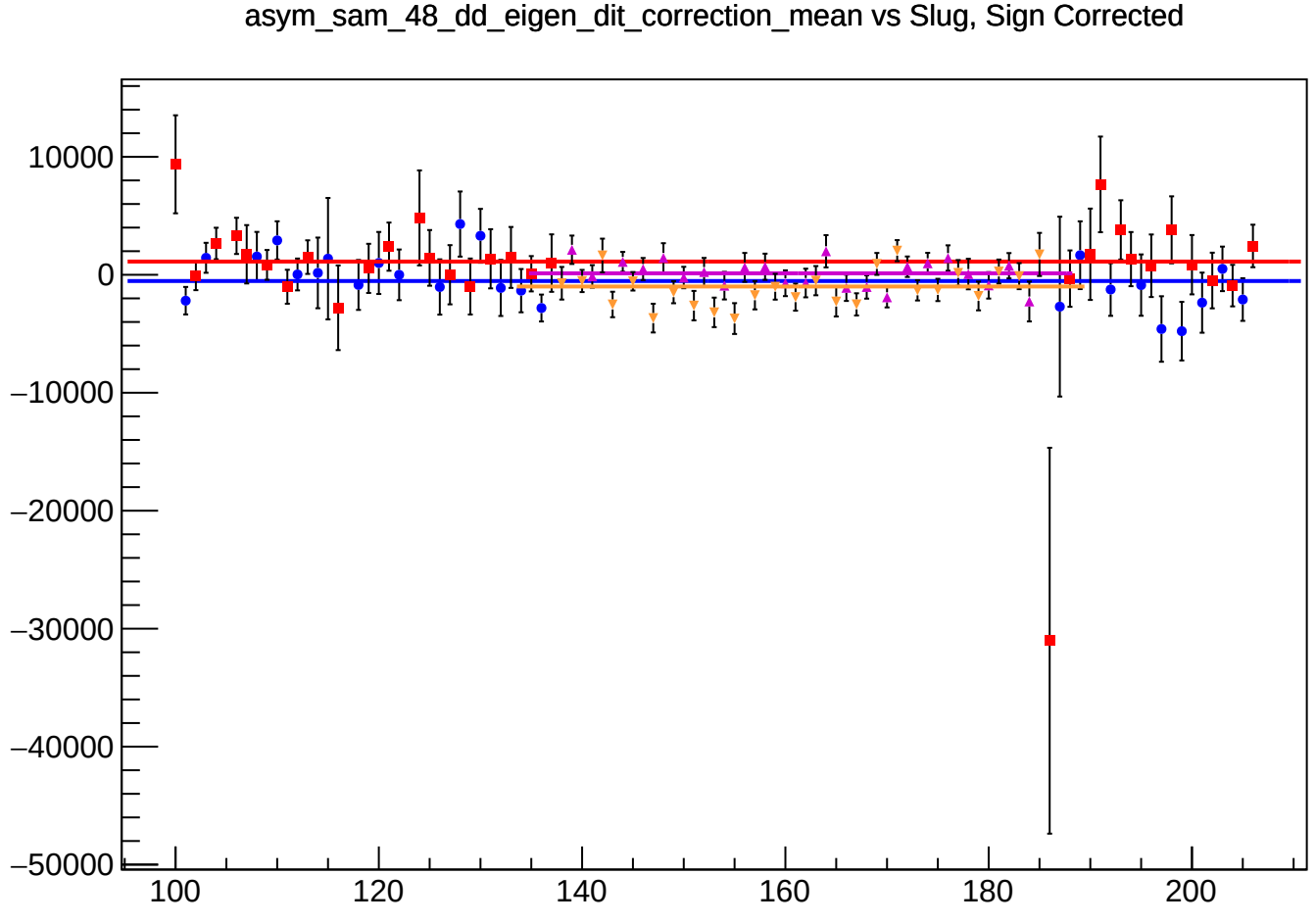
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.485+/-0.018 χ^2/NDF: 4233870.8/55

In: 137.262+/-0.018 χ^2/NDF:2713686.4/47

Out: 137.198+/-0.017 χ^2/NDF:3971156.1/55

All: 137.228+/-0.012 χ^2/NDF: 6684849.5/103



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1121.397+/-367.594 χ^2/NDF: 25.9/30

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

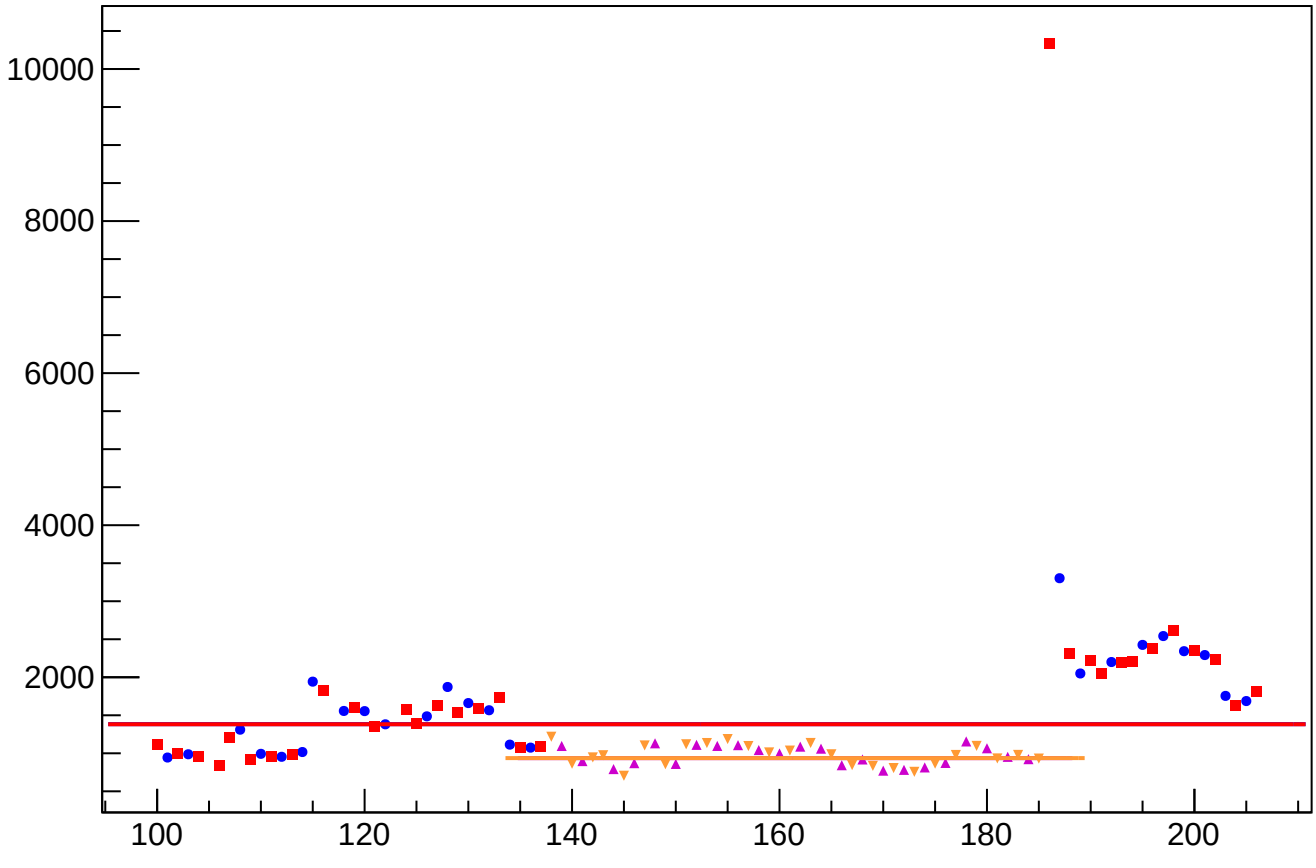
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 349.429+/-268.057 χ^2/NDF: 63.7/55

In: -32.984+/-192.724 χ^2/NDF:54.3/47

Out: -451.793+/-186.006 χ^2/NDF:97.4/55

All: -249.816+/-133.838 χ^2/NDF: 154.2/103



Right In: 1383.196+/-0.277 χ^2/NDF: 3031581.5/24

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404543.6/30

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

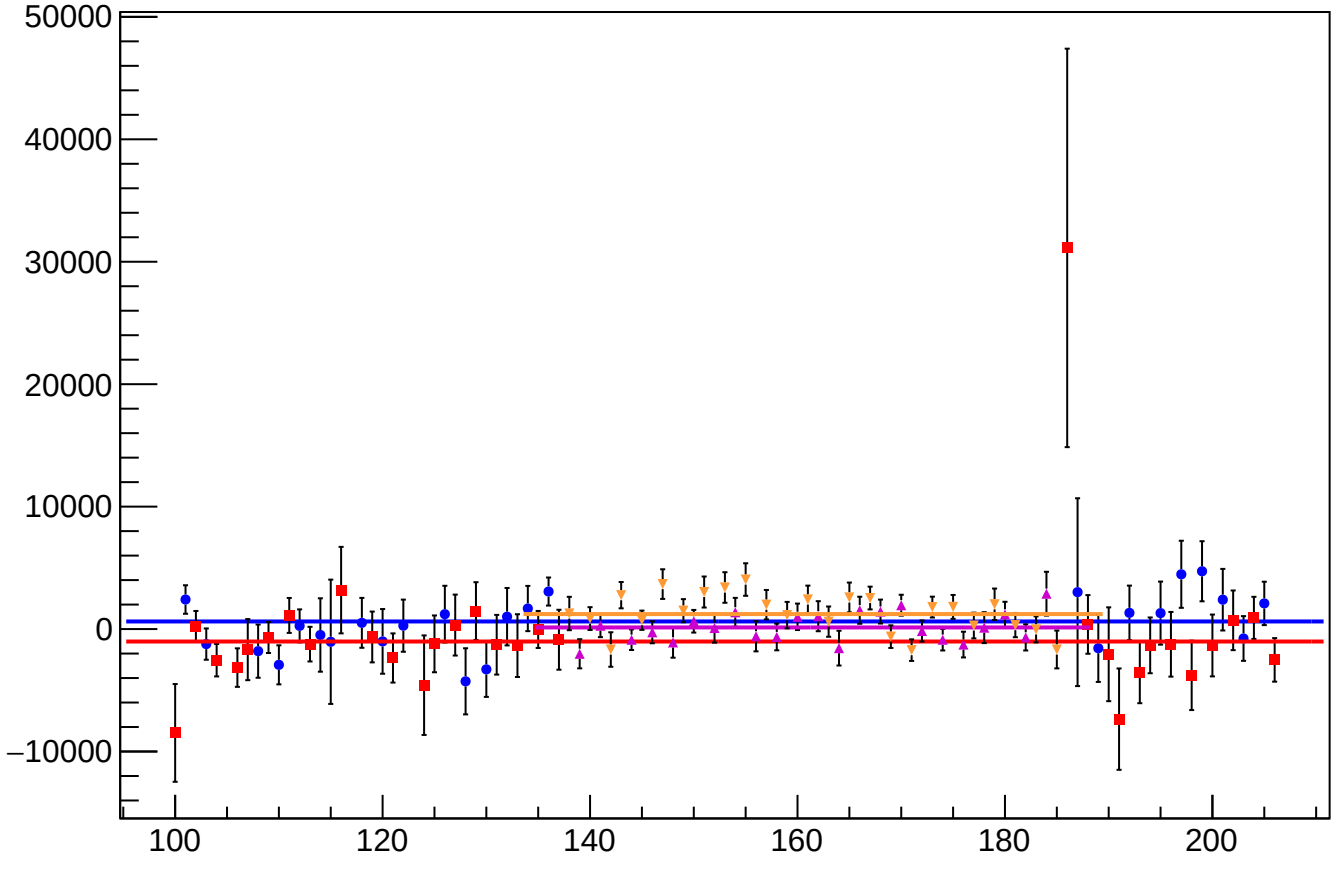
Right: 1382.535+/-0.190 χ^2/NDF: 7436135.9/55

In: 1044.525+/-0.136 χ^2/NDF:5646501.3/47

Out: 1050.737+/-0.132 χ^2/NDF:7419588.2/55

All: 1047.741+/-0.095 χ^2/NDF: 13067165.1/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 621.143+/-389.338 χ^2/NDF: 30.1/24

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1016.663+/-366.853 χ^2/NDF: 25.7/30

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

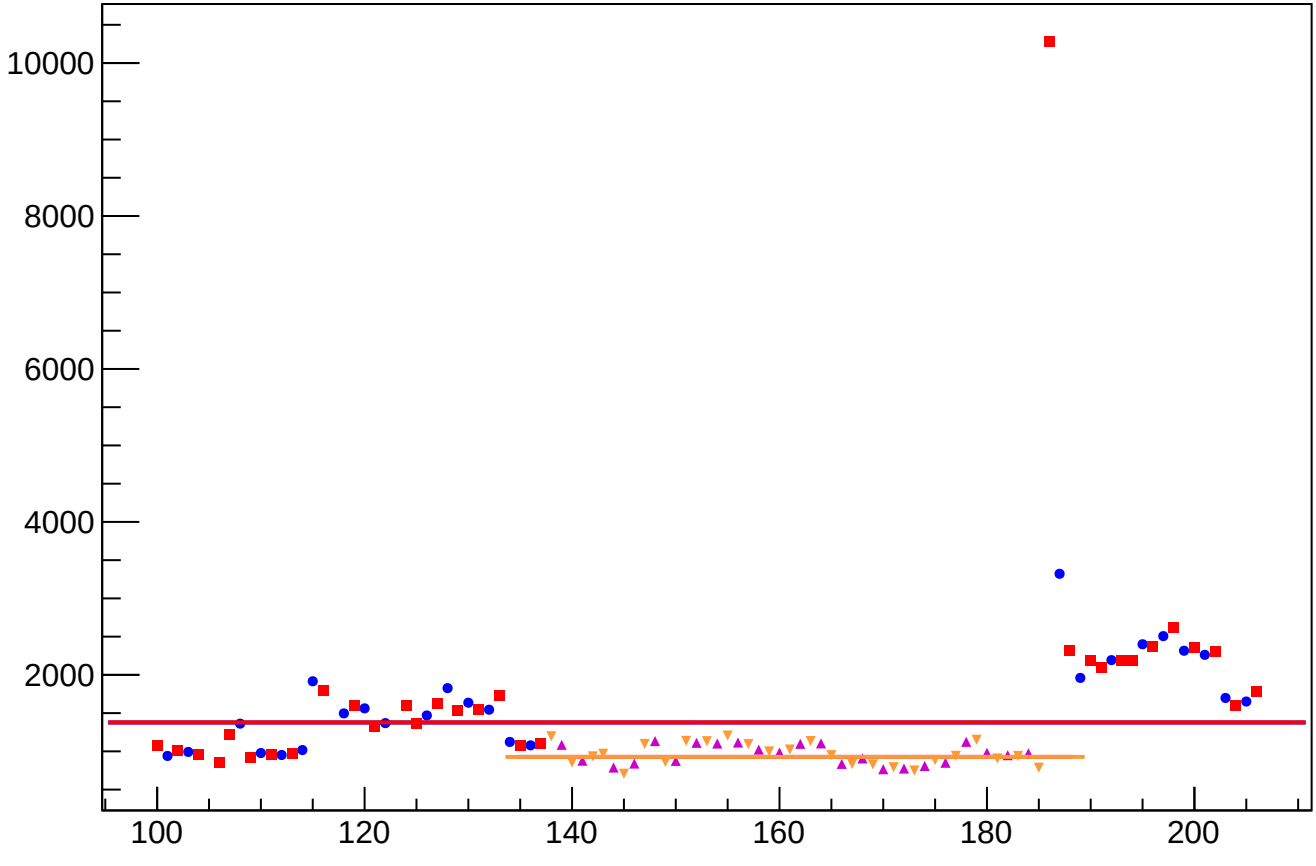
Right: -246.416+/-267.000 χ^2/NDF: 65.2/55

In: 250.426+/-191.060 χ^2/NDF:57.1/47

Out: 656.876+/-184.747 χ^2/NDF:102.1/55

All: 460.476+/-132.812 χ^2/NDF: 161.6/103

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1377.053+/-0.275 χ^2/NDF: 2917280.5/24

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1379.096+/-0.259 χ^2/NDF: 4376314.8/30

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

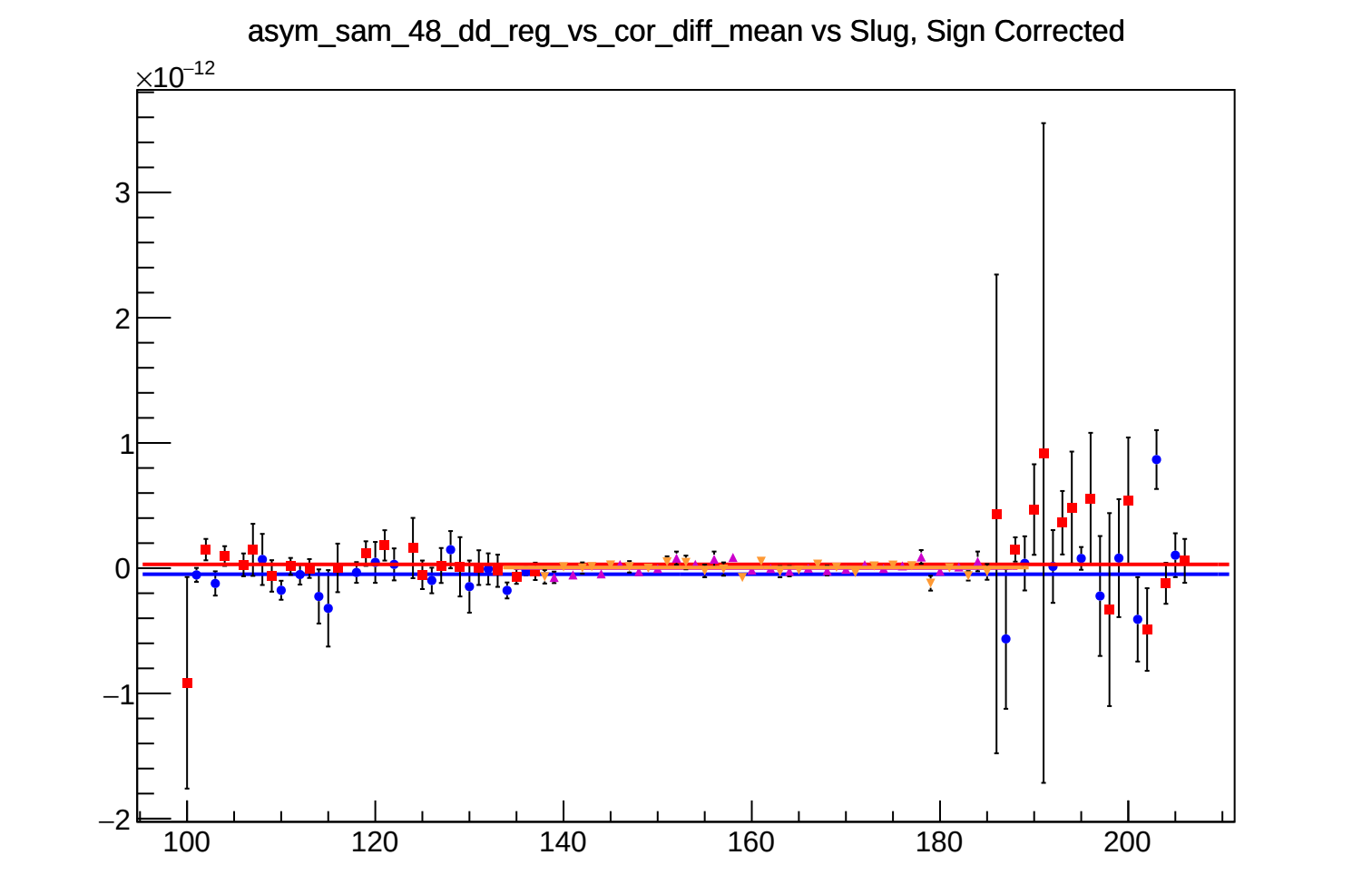
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1378.135+/-0.189 χ^2/NDF: 7293624.5/55

In: 1035.623+/-0.135 χ^2/NDF:5599783.6/47

Out: 1042.112+/-0.131 χ^2/NDF:7512436.0/55

All: 1038.977+/-0.094 χ^2/NDF: 13113411.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

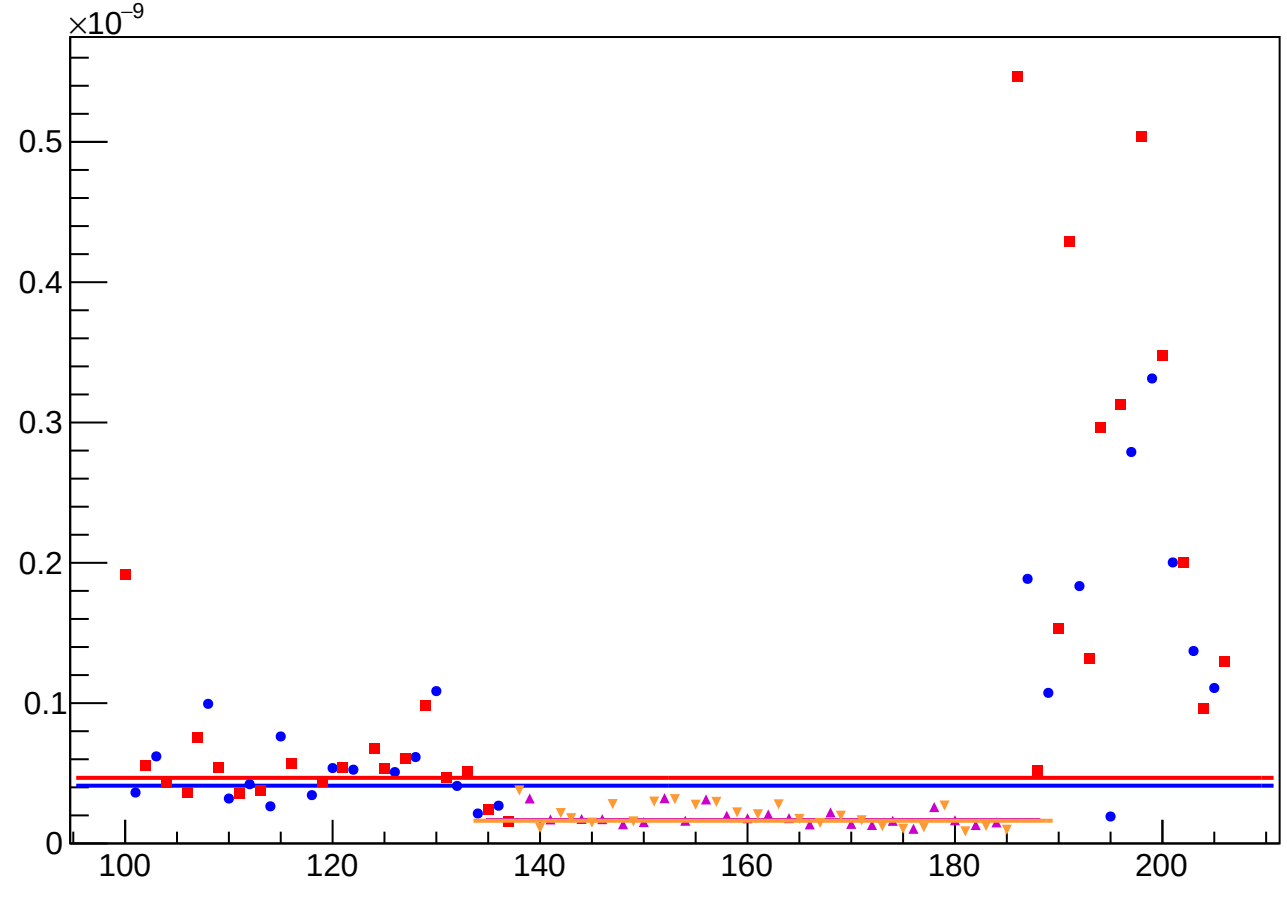
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 63.2/55

In: -0.000+/-0.000 χ^2/NDF:66.1/47

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 117.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 4339410.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5276639.8/30

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

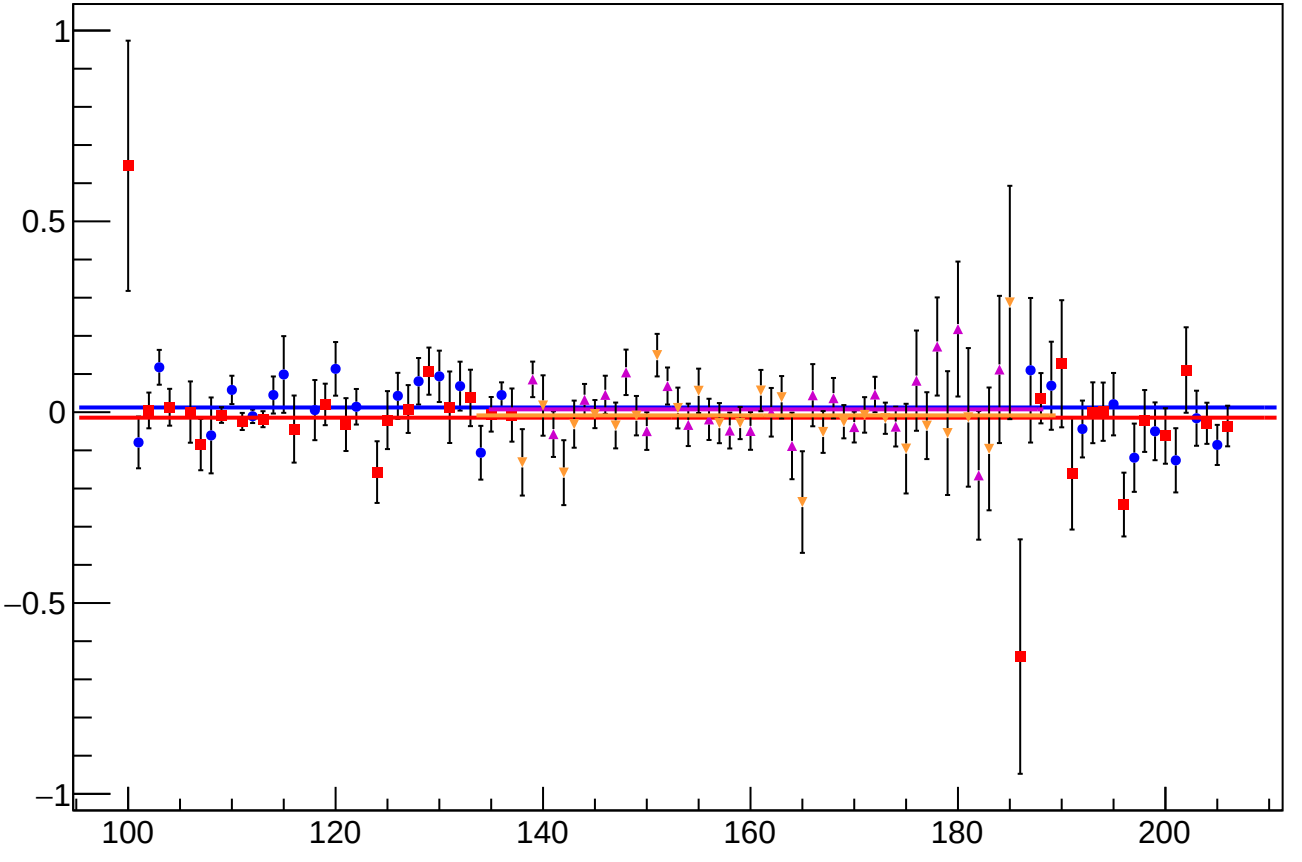
Right: 0.000+/-0.000 χ^2/NDF: 9684976.9/55

In: 0.000+/-0.000 χ^2/NDF:7785852.1/47

Out: 0.000+/-0.000 χ^2/NDF:10892361.4/55

All: 0.000+/-0.000 χ^2/NDF: 18682916.6/103

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

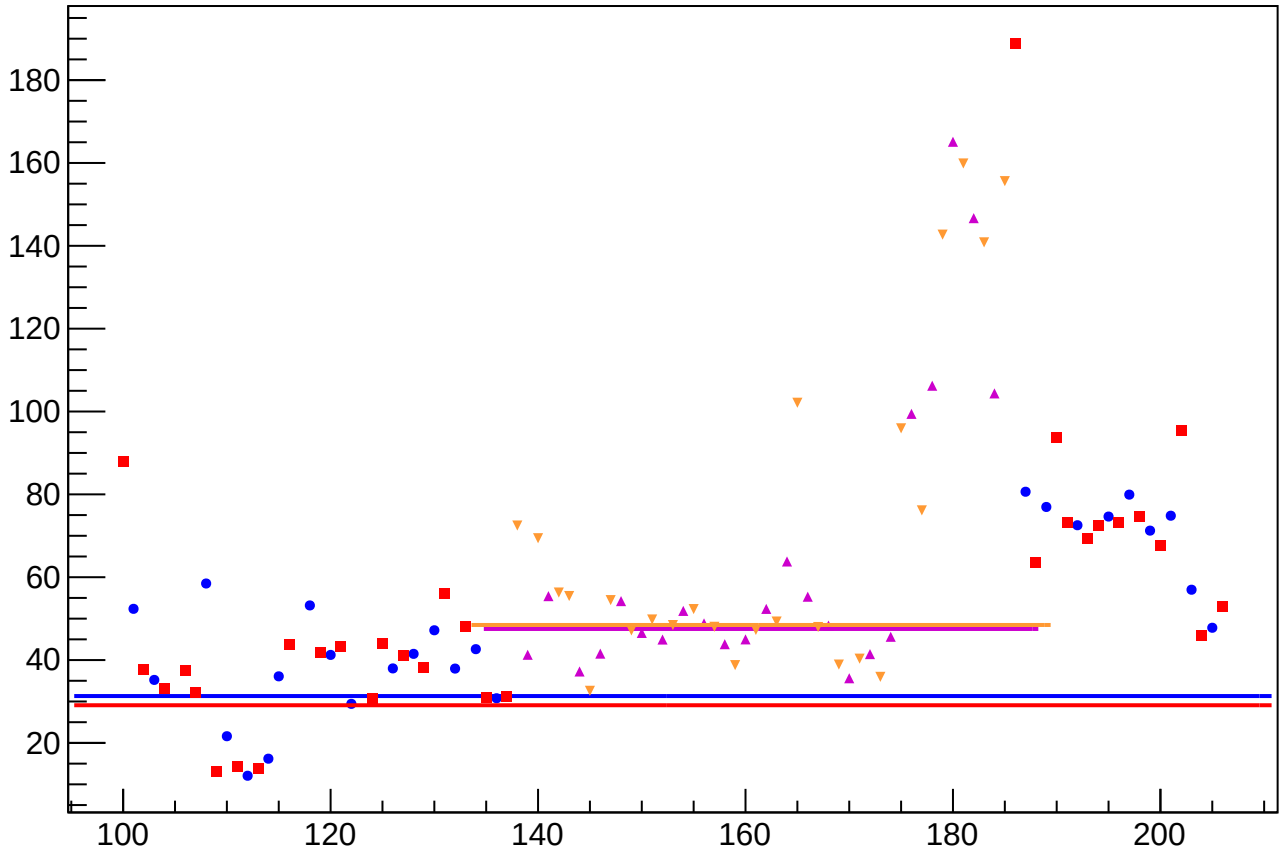
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.003+/-0.007 χ^2/NDF: 66.1/55

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.5/103



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

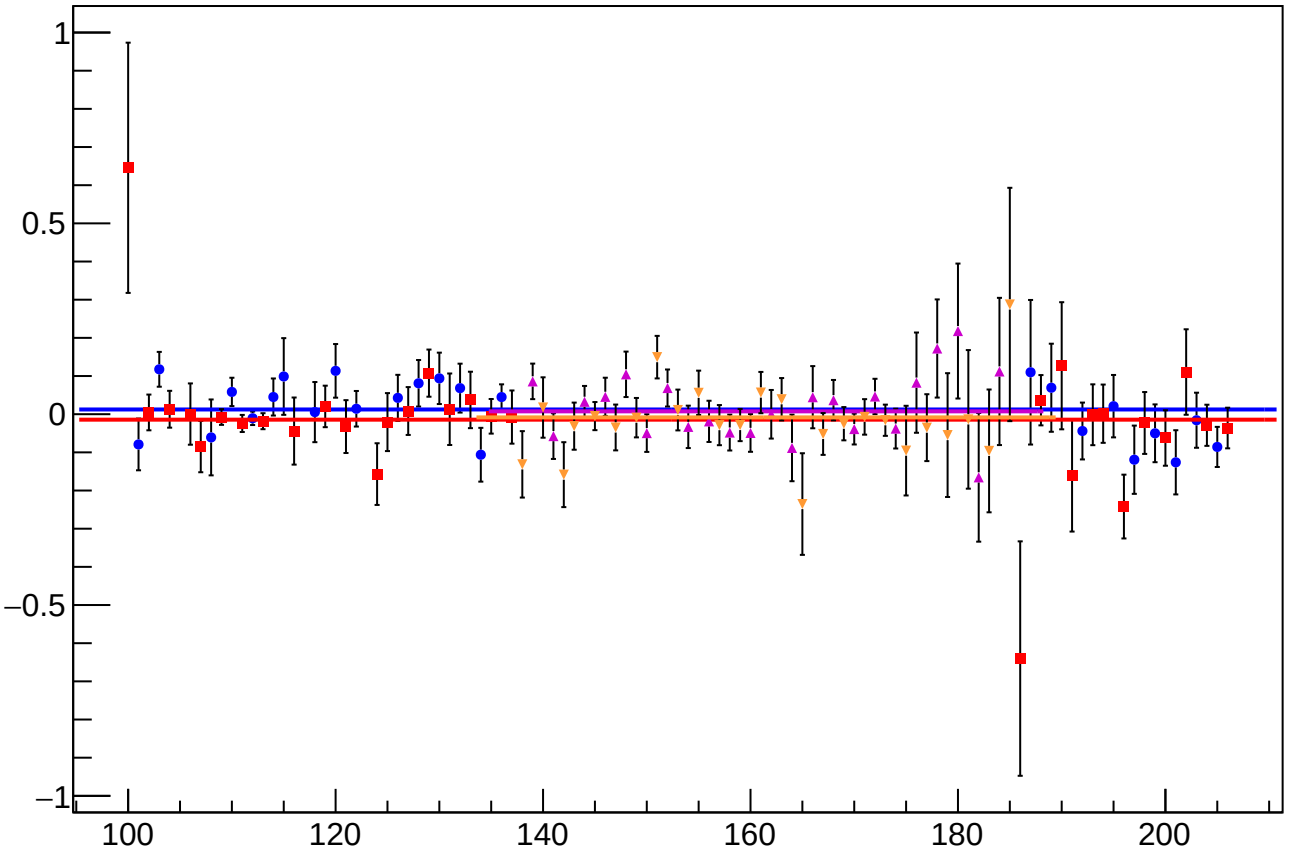
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.065+/-0.005 χ^2/NDF: 17120717.7/55

In: 38.093+/-0.006 χ^2/NDF:12445053.2/47

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.005+/-0.004 χ^2/NDF: 30027416.0/103



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

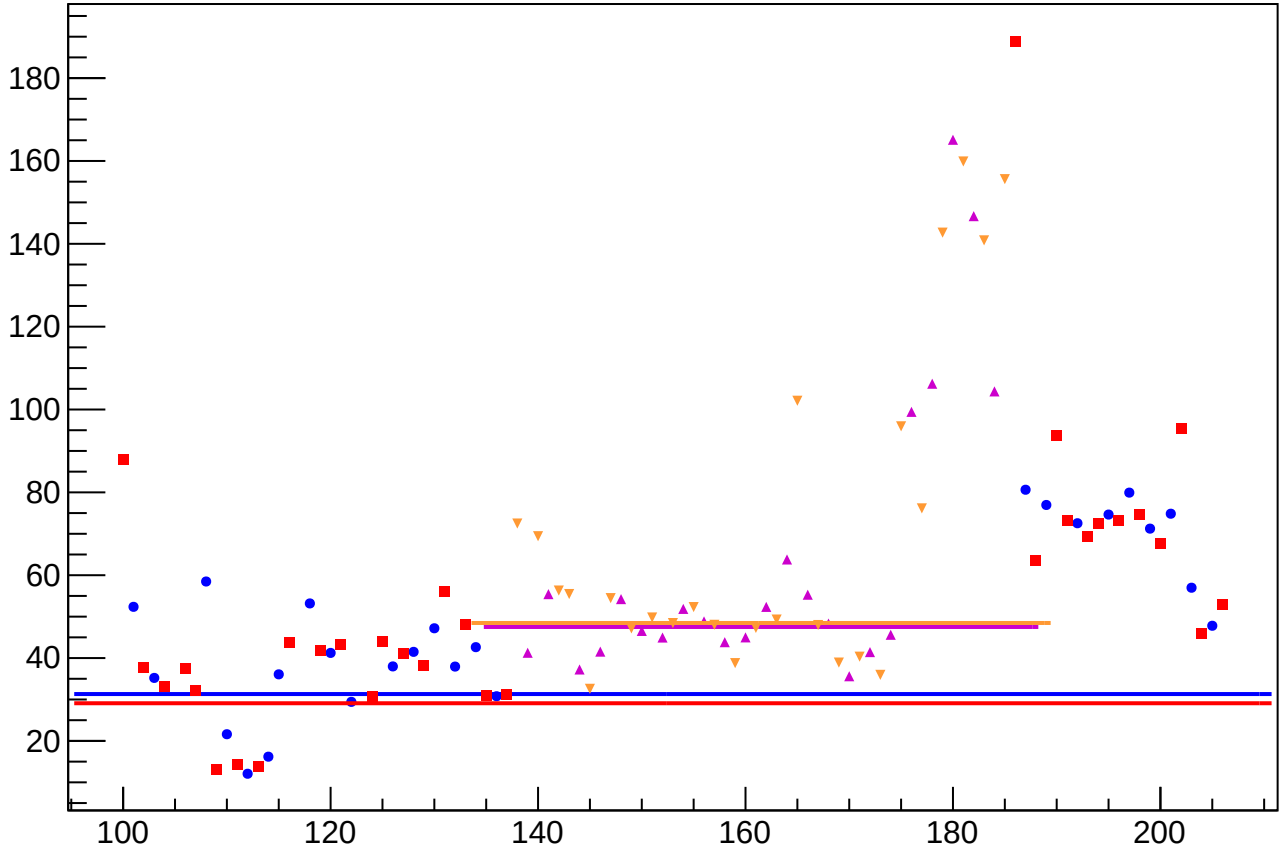
Right: -0.003+/-0.007 χ^2/NDF: 66.1/55

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.5/103

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

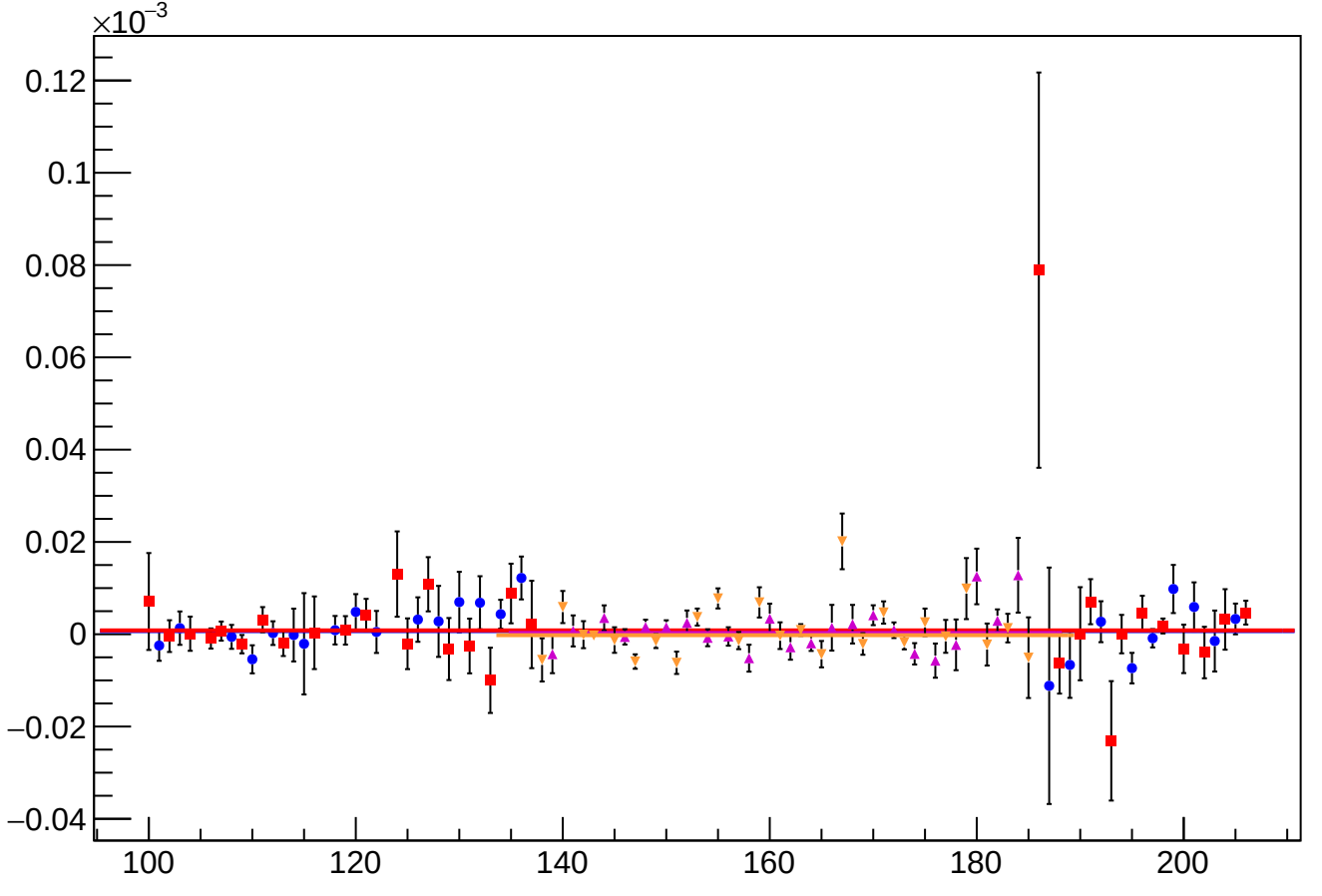
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.065+/-0.005 χ^2/NDF: 17120717.7/55

In: 38.093+/-0.006 χ^2/NDF:12445053.2/47

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.005+/-0.004 χ^2/NDF: 30027416.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

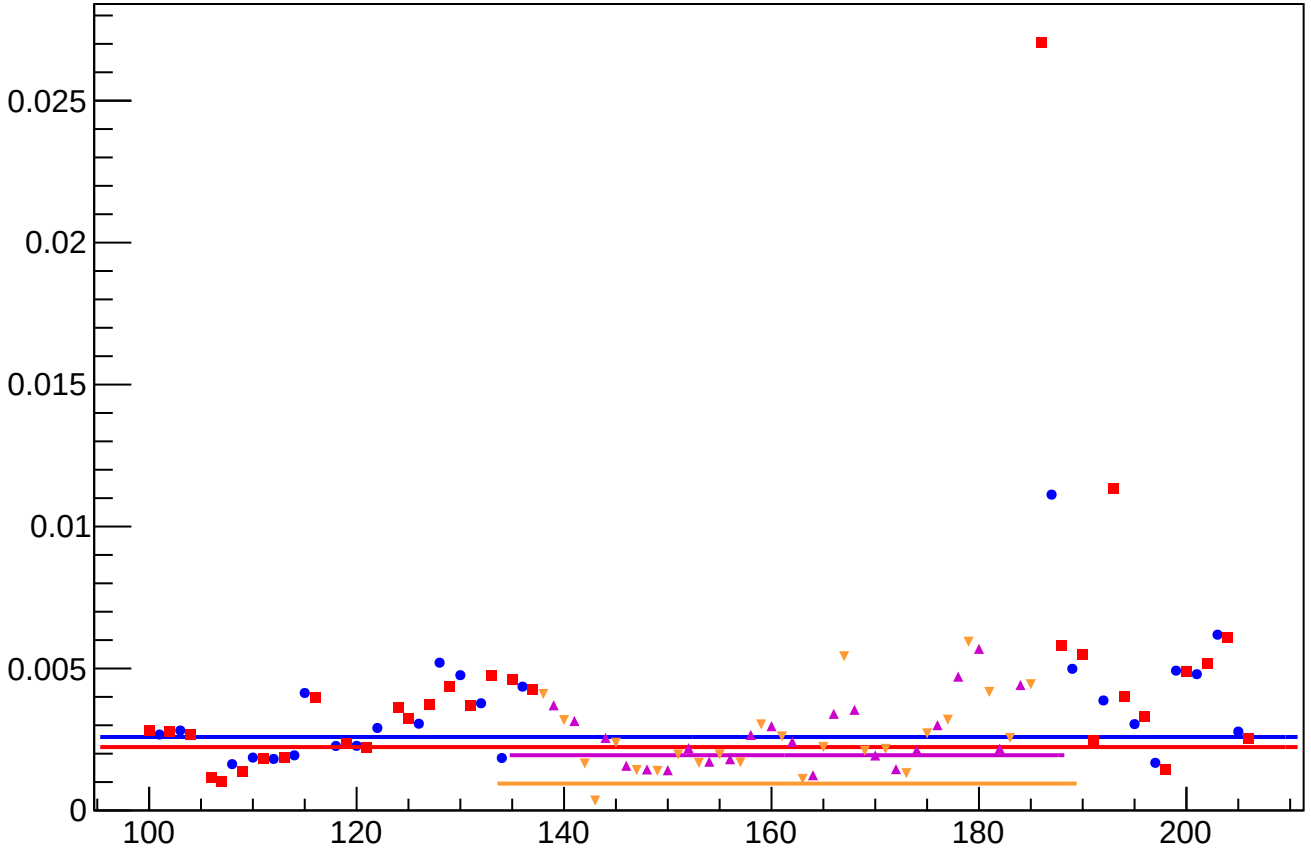
Right: 0.000+/-0.000 χ^2/NDF: 59.4/55

In: 0.000+/-0.000 χ^2/NDF:60.2/47

Out: -0.000+/-0.000 χ^2/NDF:104.0/55

All: 0.000+/-0.000 χ^2/NDF: 164.9/103

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4064851.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8247242.1/30

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

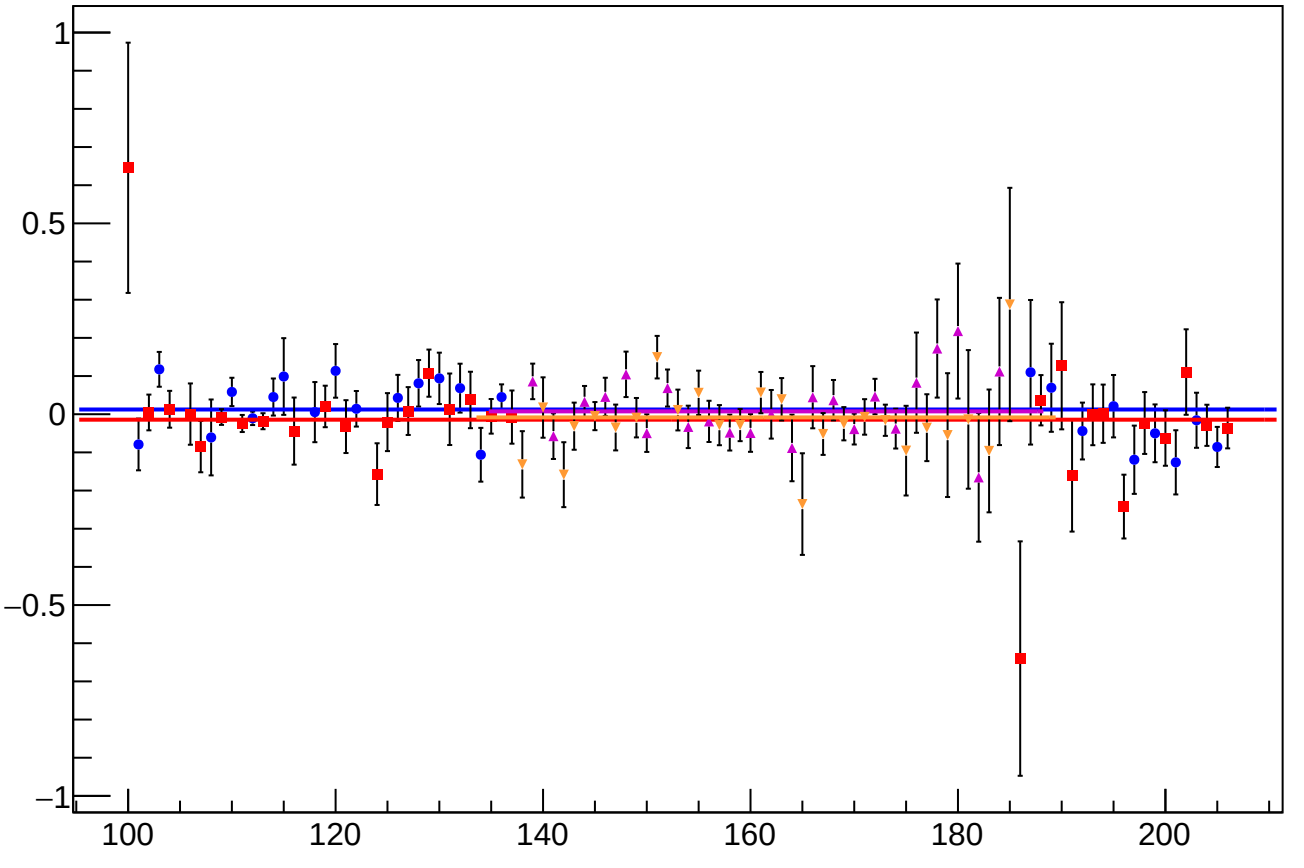
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12559130.2/55

In: 0.002+/-0.000 χ^2/NDF:9410946.4/47

Out: 0.001+/-0.000 χ^2/NDF:32257787.2/55

All: 0.001+/-0.000 χ^2/NDF: 49119659.3/103



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

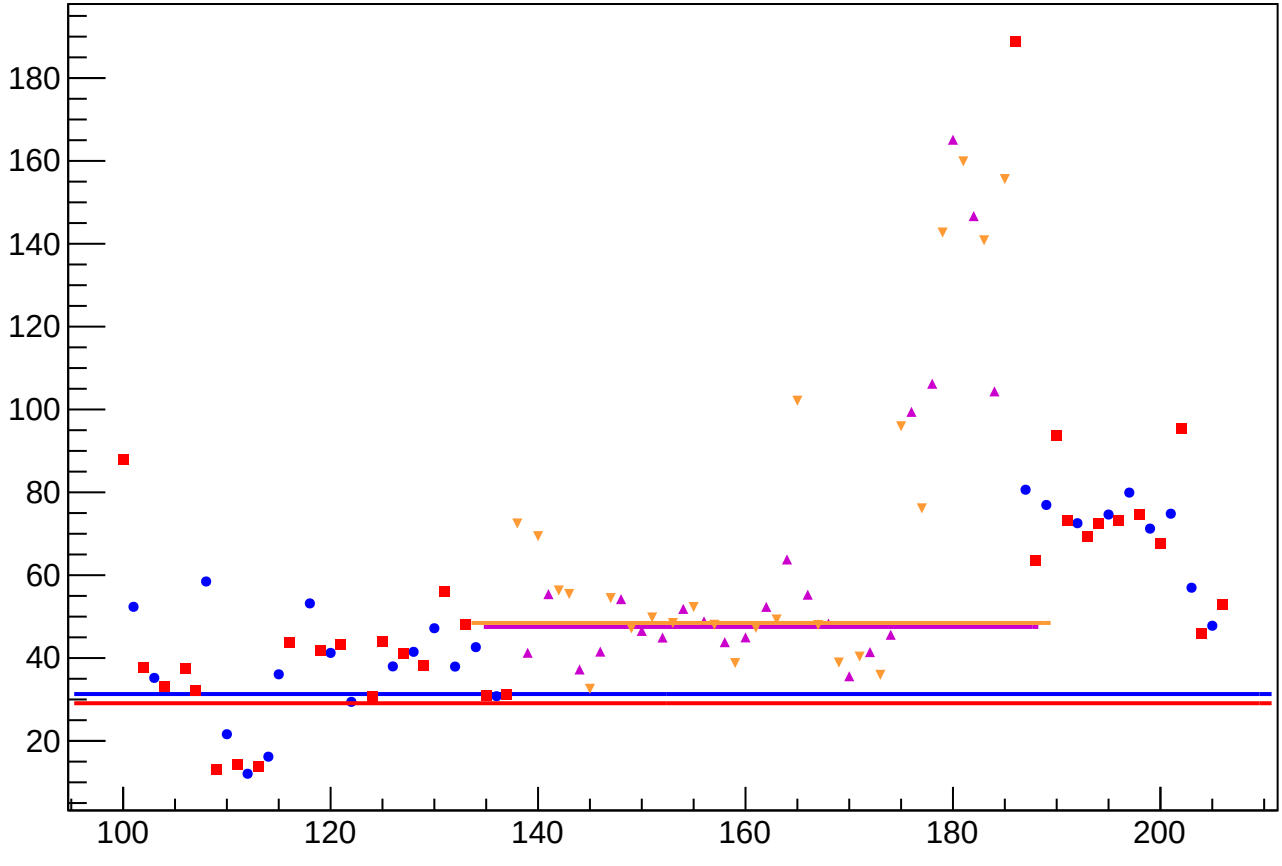
Right: -0.003+/-0.007 χ^2/NDF: 66.1/55

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.5/103

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

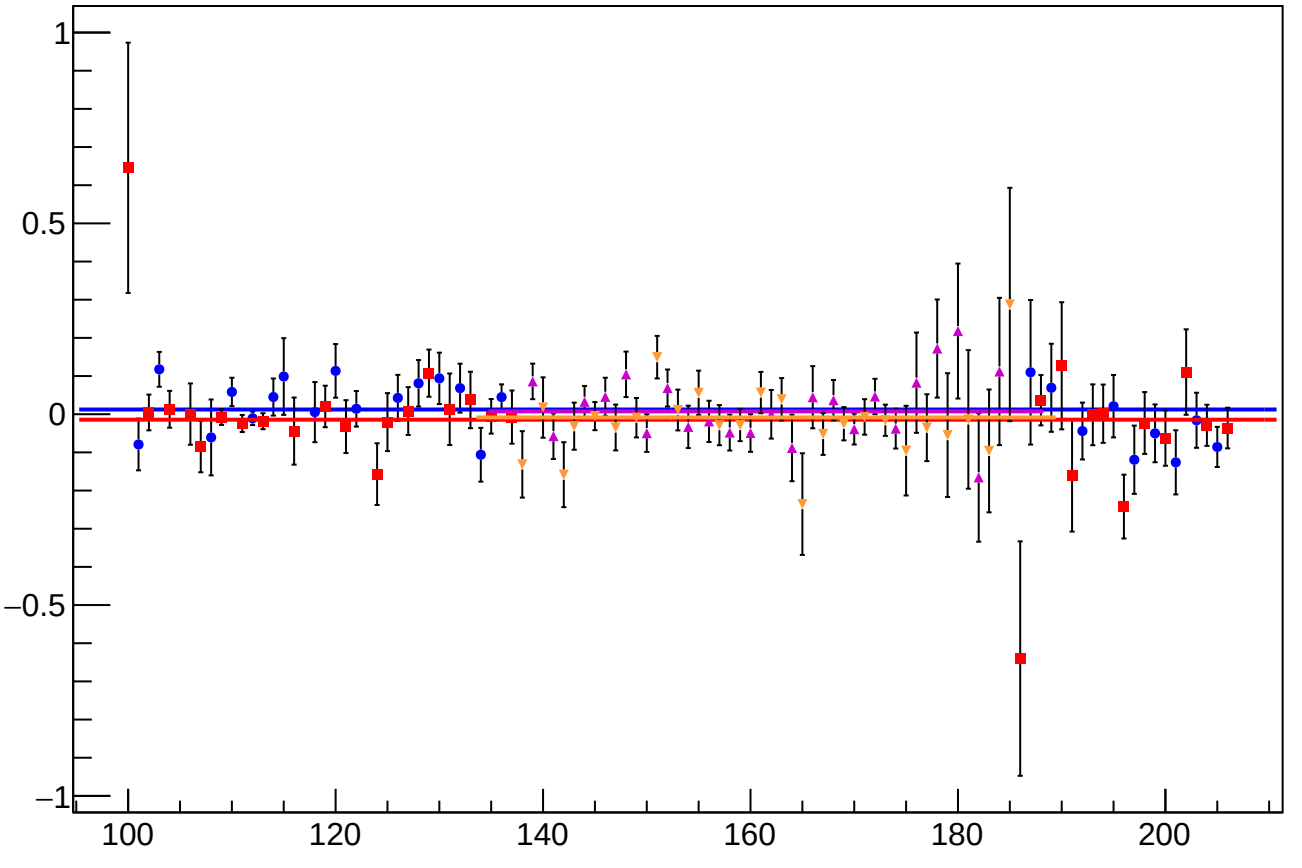
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 30.064+/-0.005 χ^2/NDF: 17121589.3/55

In: 38.092+/-0.006 χ^2/NDF:12446136.8/47

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.004+/-0.004 χ^2/NDF: 30028884.0/103



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

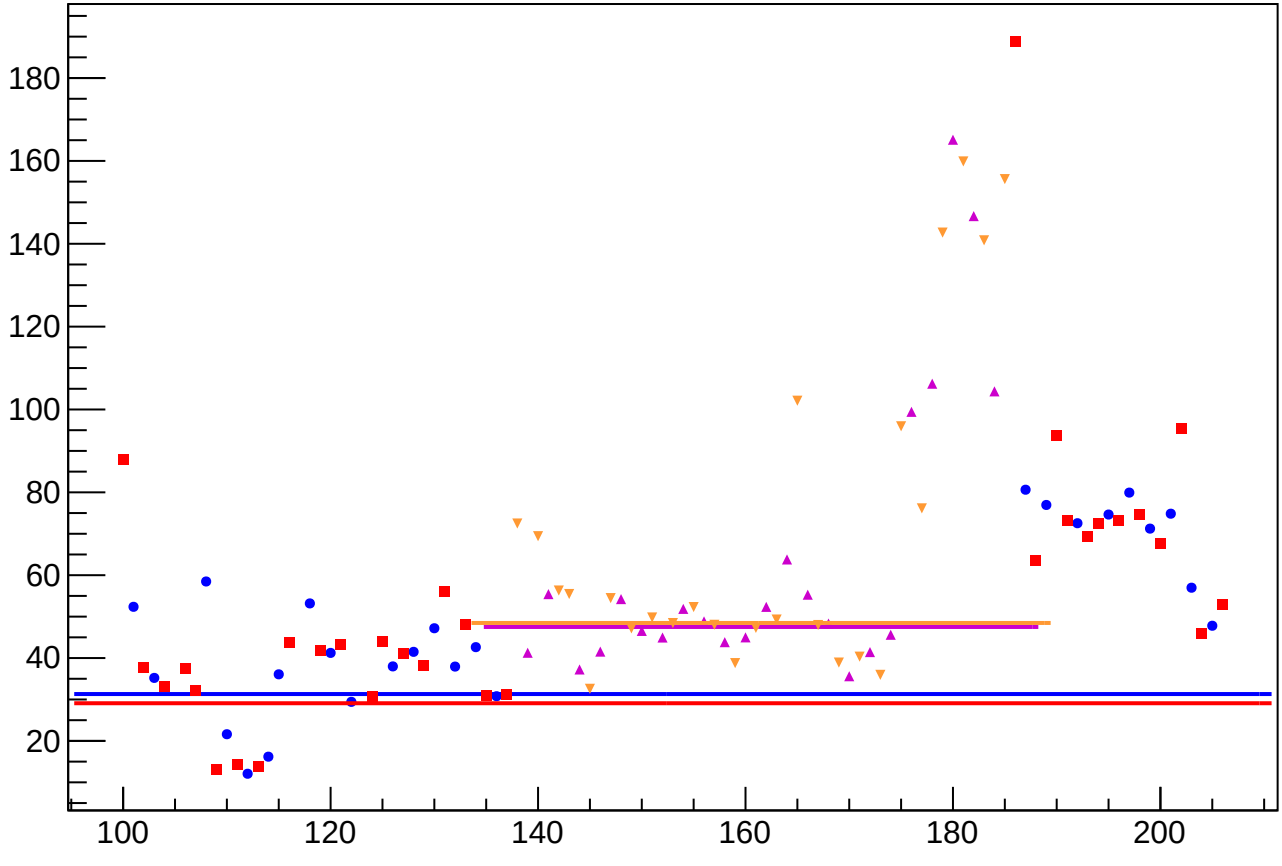
Right: -0.003+/-0.007 χ^2/NDF: 66.1/55

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.5/103

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

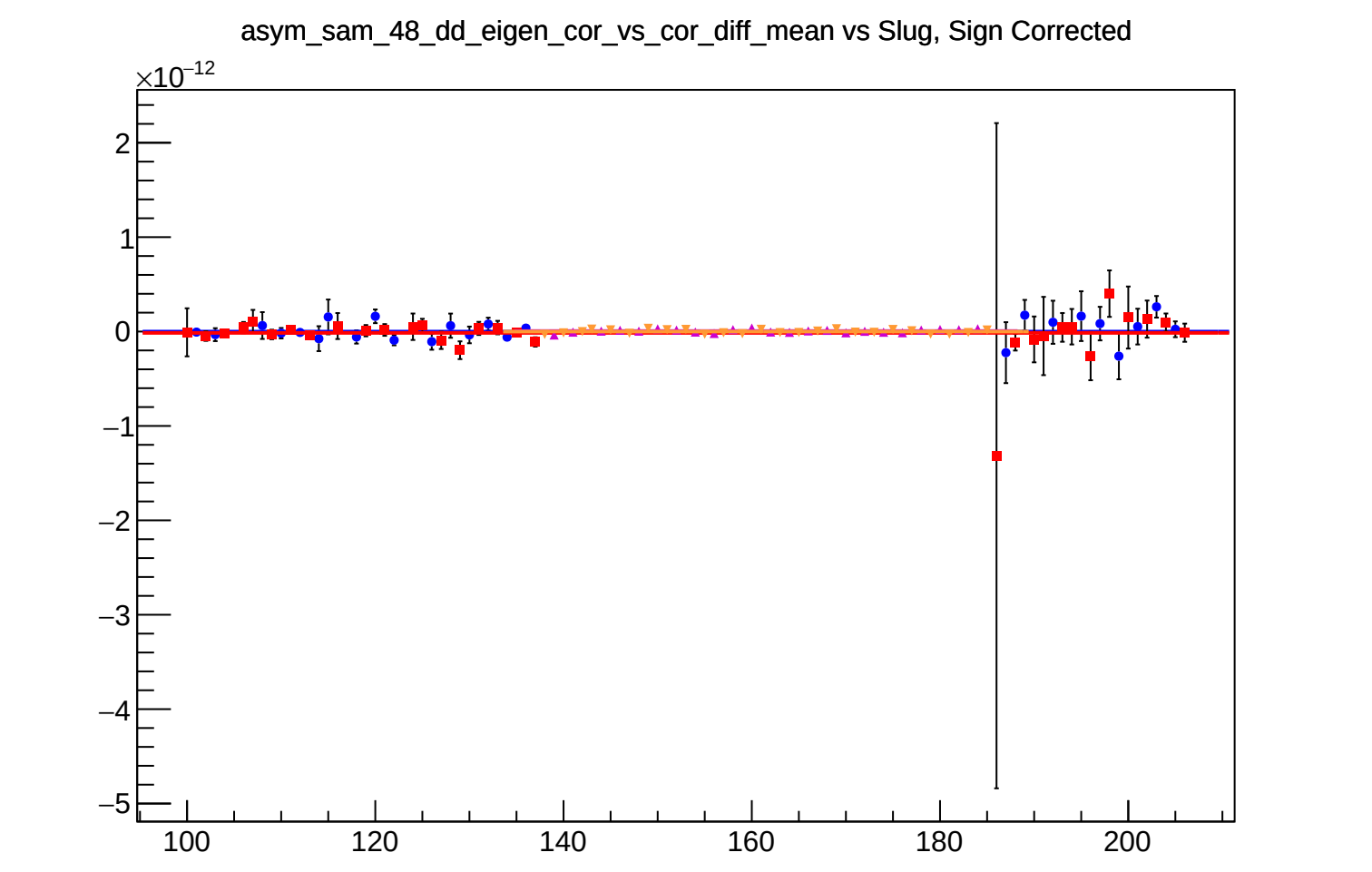
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 30.064+/-0.005 χ^2/NDF: 17121589.3/55

In: 38.092+/-0.006 χ^2/NDF:12446136.8/47

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.004+/-0.004 χ^2/NDF: 30028884.0/103



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

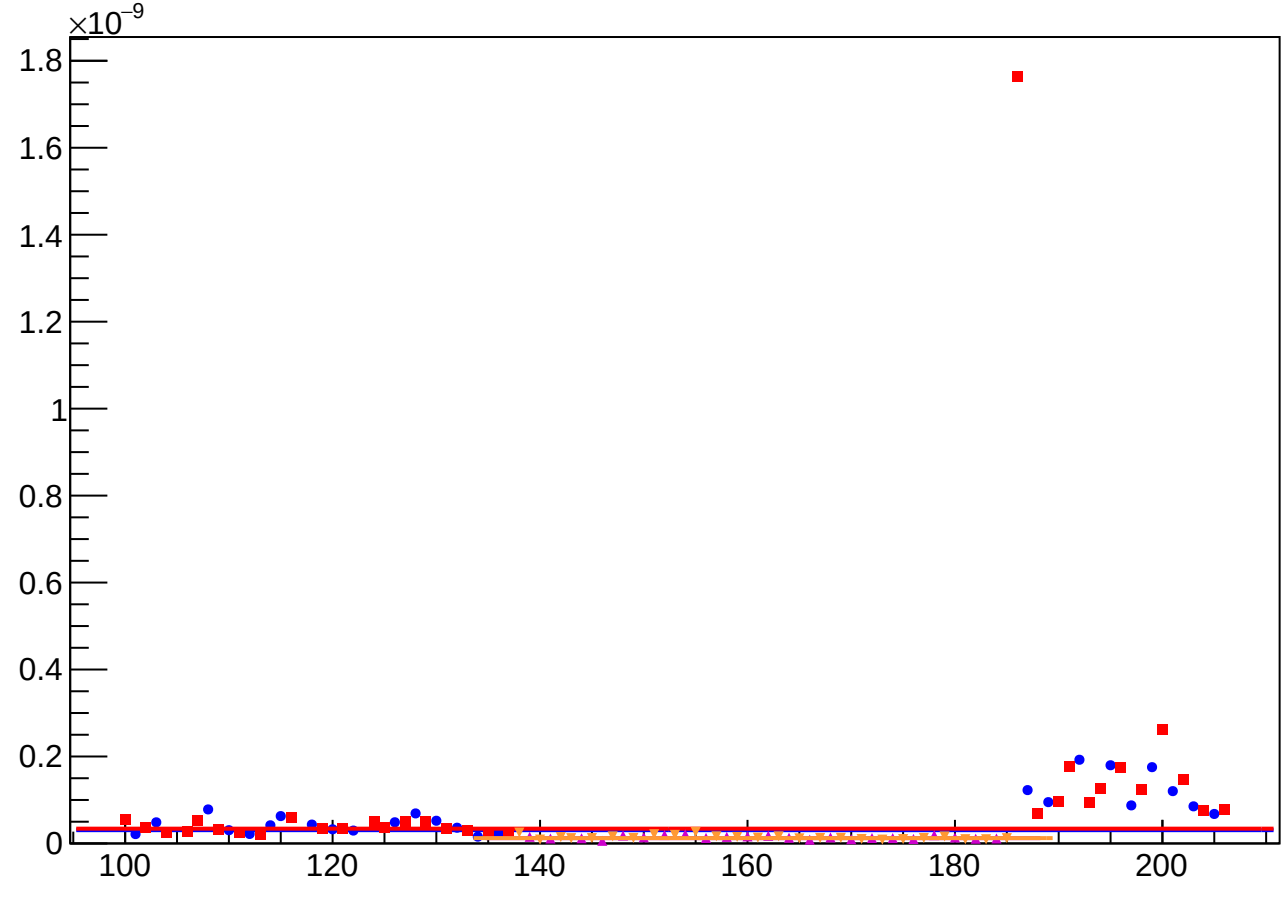
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 51.2/55

In: 0.000+/-0.000 χ^2/NDF:47.4/47

Out: -0.000+/-0.000 χ^2/NDF:55.2/55

All: 0.000+/-0.000 χ^2/NDF: 104.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 6233498.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436498.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

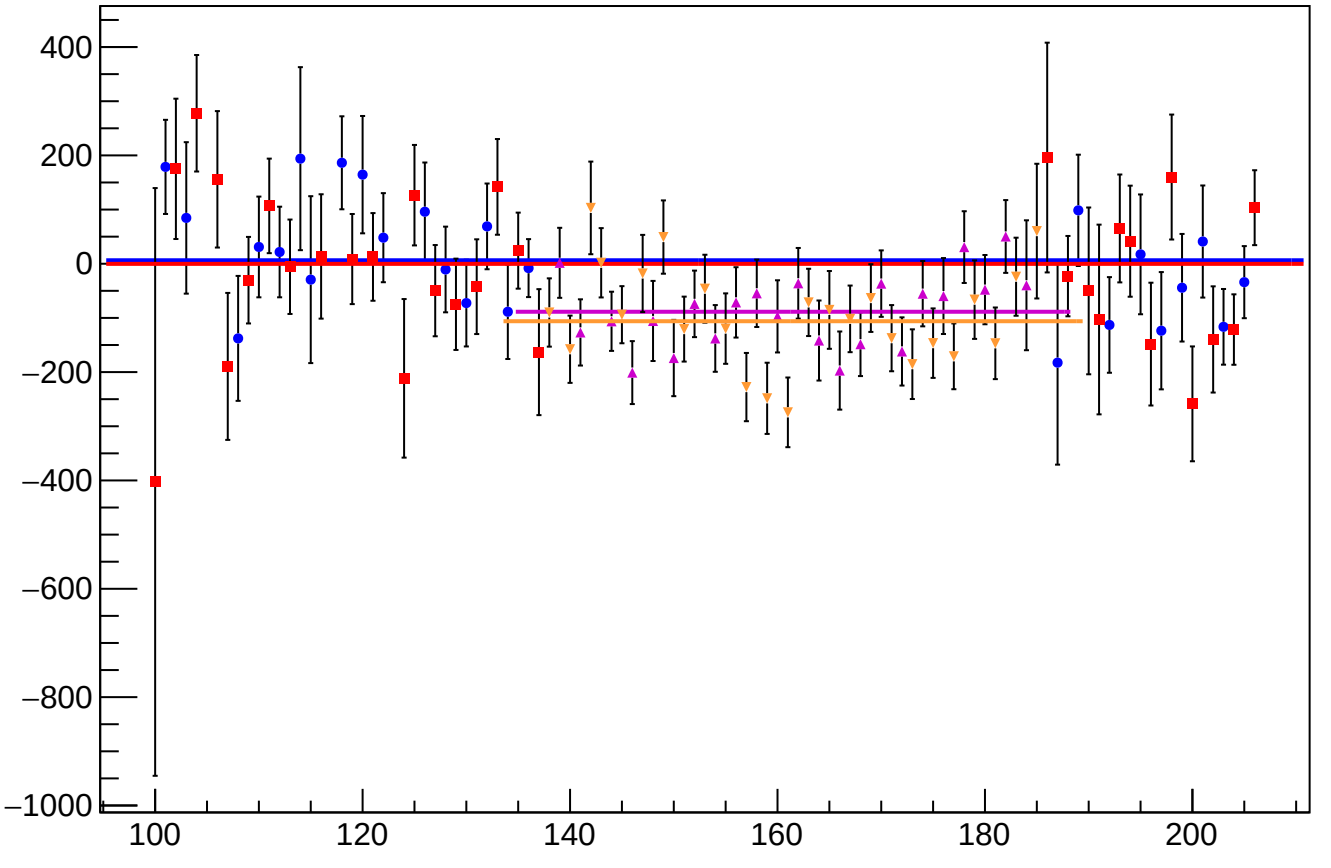
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12746078.5/55

In: 0.000+/-0.000 χ^2/NDF:12228178.9/47

Out: 0.000+/-0.000 χ^2/NDF:13781720.5/55

All: 0.000+/-0.000 χ^2/NDF: 26011342.0/103



Right In: 6.429+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.228+/-17.388 χ^2/NDF: 43.6/30

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

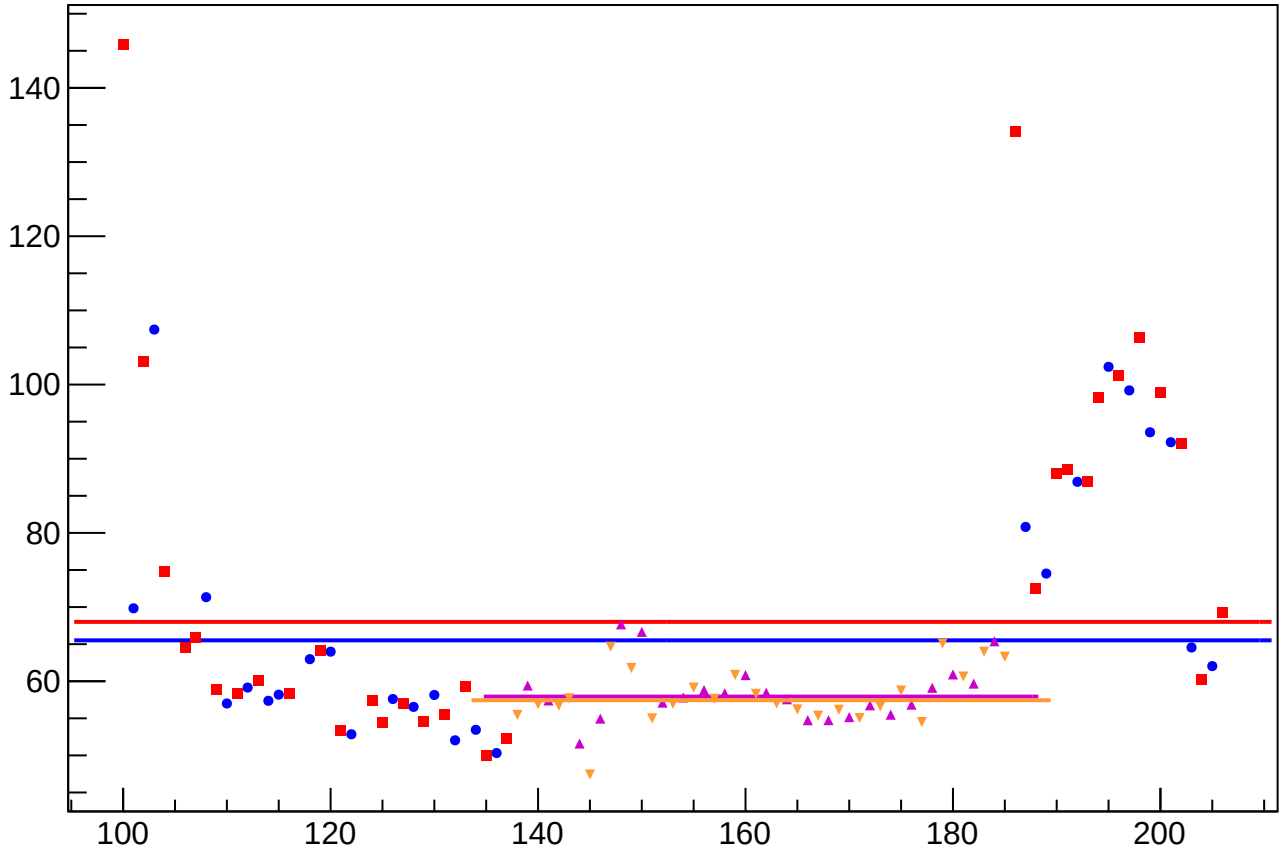
Right: 2.985+/-12.507 χ^2/NDF: 70.4/55

In: -54.196+/-10.835 χ^2/NDF:68.5/47

Out: -67.806+/-10.457 χ^2/NDF:107.9/55

All: -61.242+/-7.524 χ^2/NDF: 177.2/103

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.516+/-0.013 χ^2/NDF: 1453178.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.006+/-0.012 χ^2/NDF: 1938421.2/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

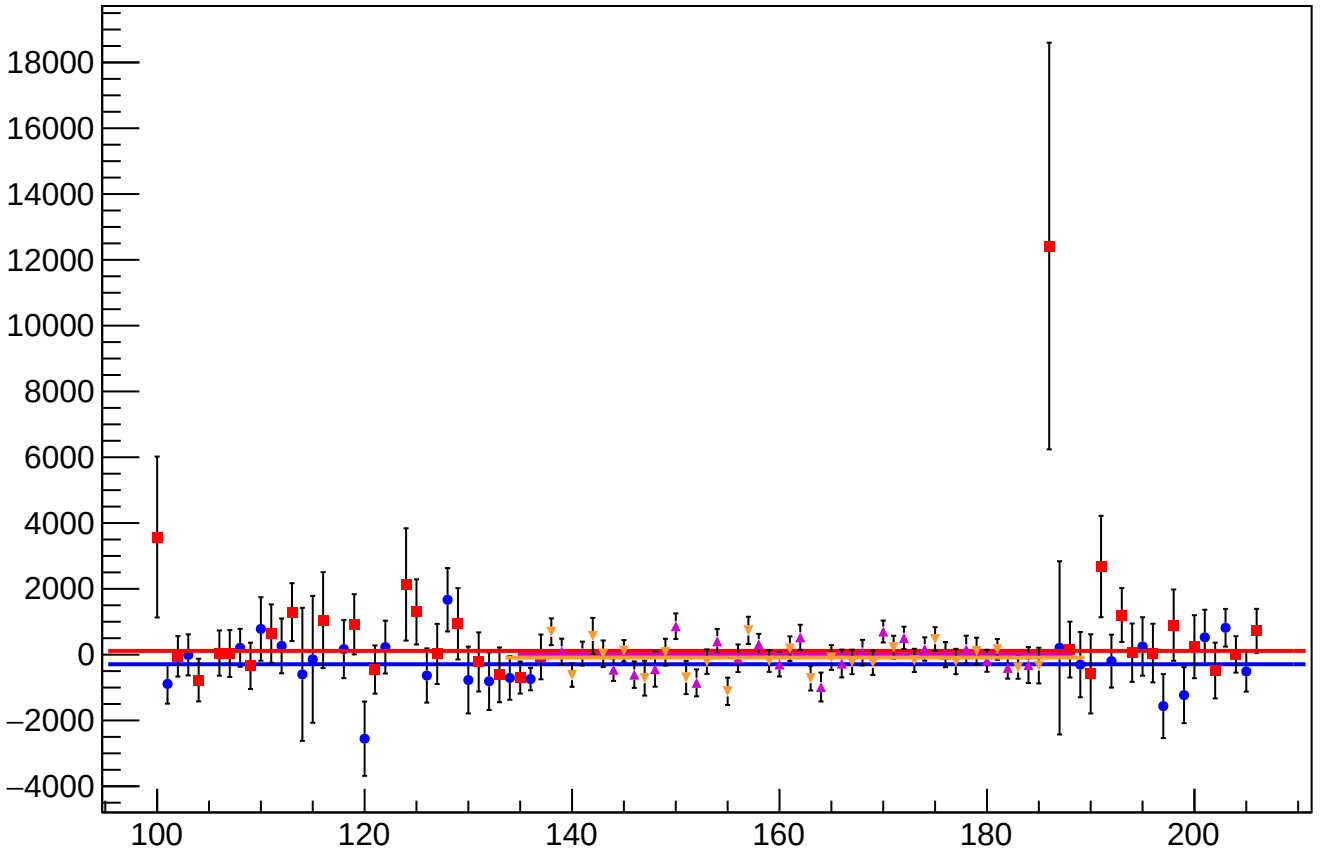
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.804+/-0.009 χ^2/NDF: 3411389.9/55

In: 60.679+/-0.008 χ^2/NDF:1815408.6/47

Out: 61.262+/-0.007 χ^2/NDF:2584321.9/55

All: 60.981+/-0.005 χ^2/NDF: 4402724.8/103



Right In: -291.879+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 114.574+/-148.704 χ^2/NDF: 26.2/30

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

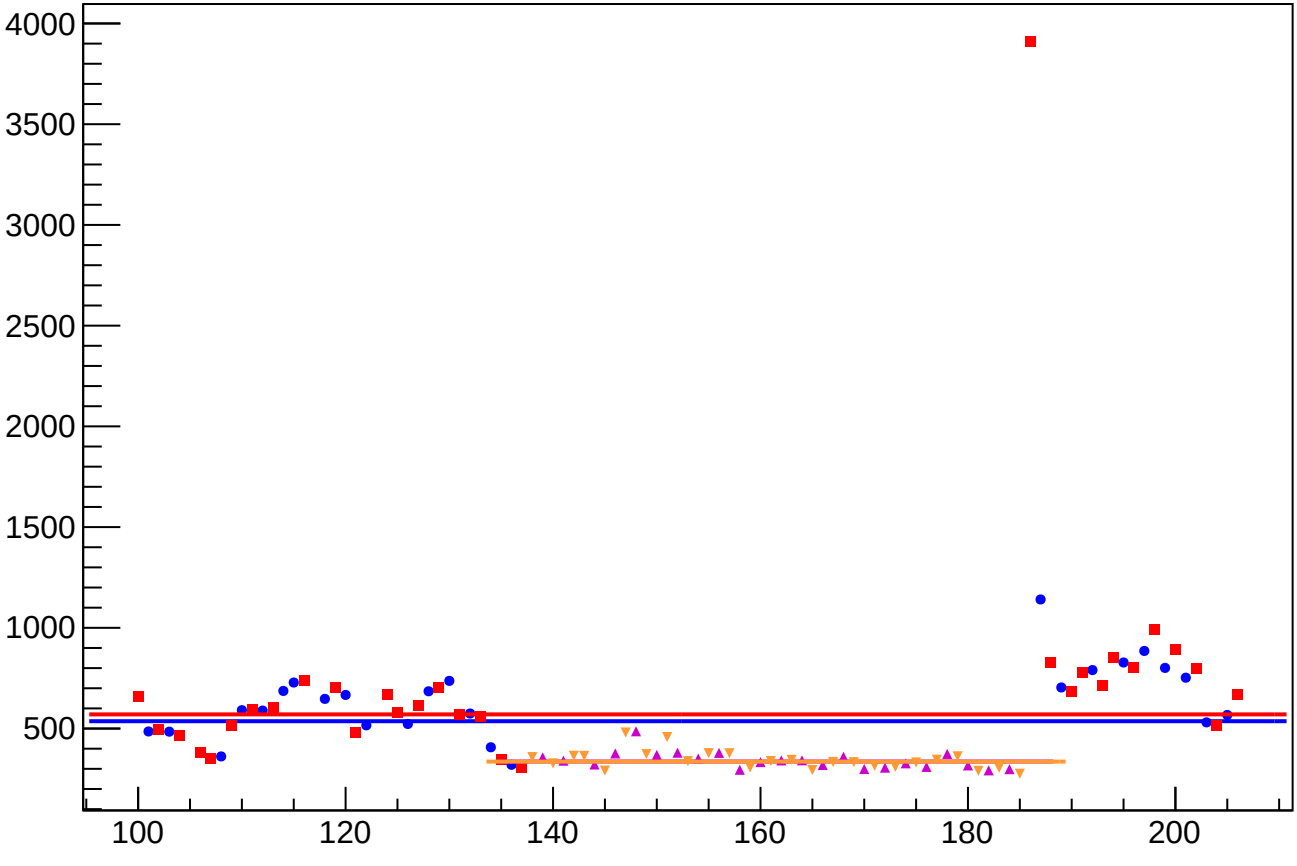
Right: -86.370+/-105.739 χ^2/NDF: 53.5/55

In: -65.753+/-70.071 χ^2/NDF:60.0/47

Out: -45.994+/-68.385 χ^2/NDF:57.6/55

All: -55.633+/-48.941 χ^2/NDF: 117.7/103

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 536.434+/-0.106 χ^2/NDF: 2491583.5/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 570.309+/-0.105 χ^2/NDF: 3266874.1/30

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

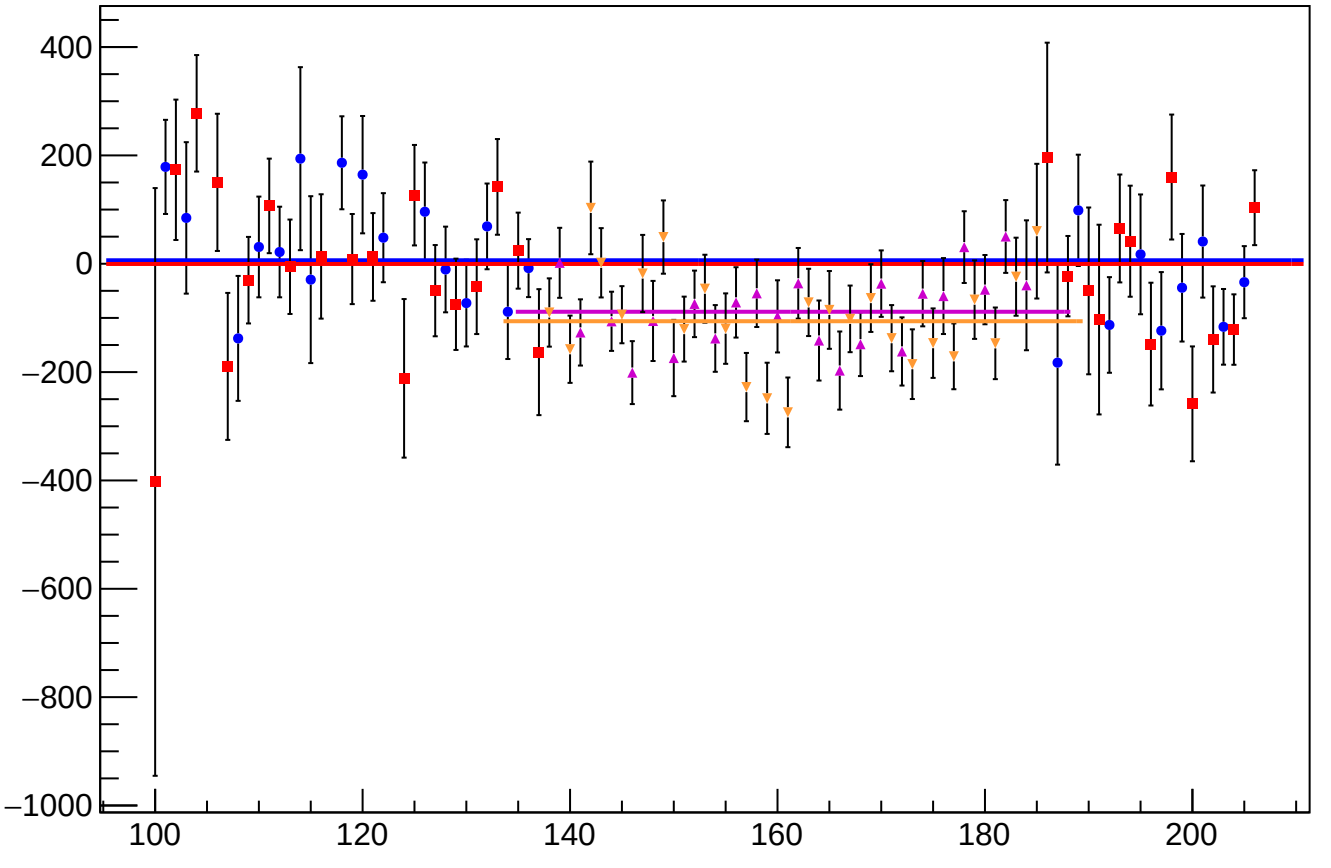
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 553.562+/-0.075 χ^2/NDF: 5809769.2/55

In: 379.784+/-0.050 χ^2/NDF:5677692.2/47

Out: 385.468+/-0.048 χ^2/NDF:7719607.9/55

All: 382.695+/-0.035 χ^2/NDF: 13404041.6/10



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.403+/-17.390 χ^2/NDF: 43.4/30

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

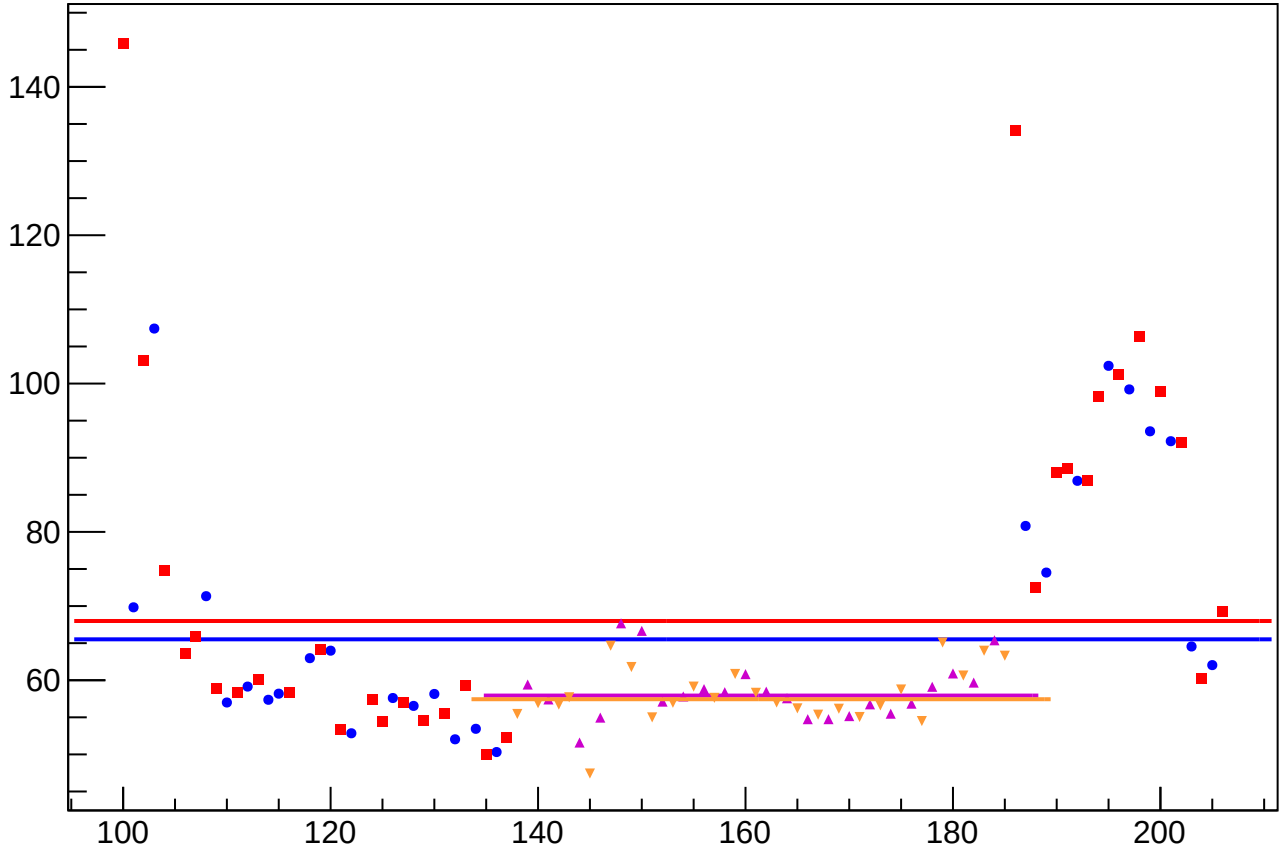
Right: 2.893+/-12.508 χ^2/NDF: 70.3/55

In: -54.199+/-10.835 χ^2/NDF:68.5/47

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -61.279+/-7.524 χ^2/NDF: 177.0/103

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

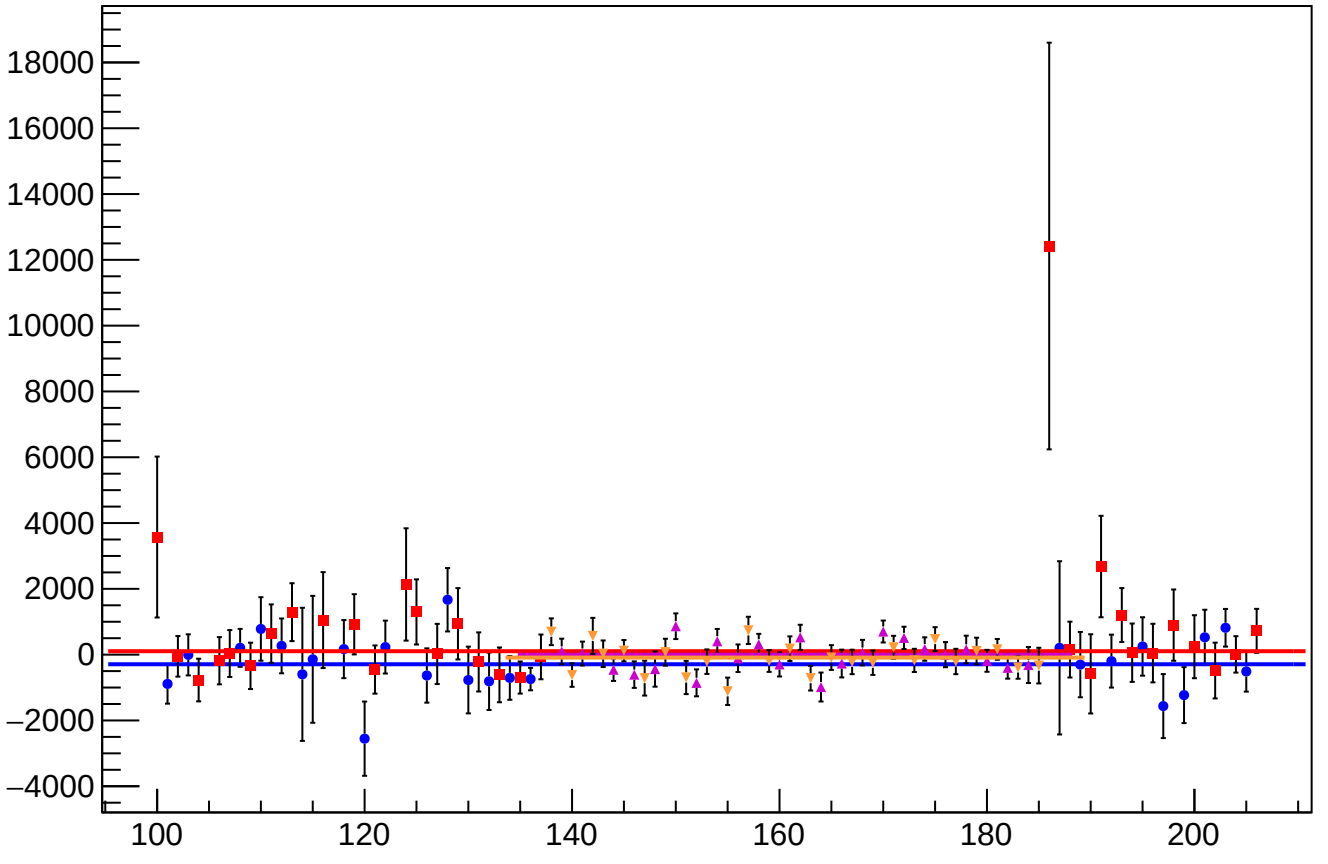
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.795+/-0.009 χ^2/NDF: 3412265.2/55

In: 60.679+/-0.008 χ^2/NDF:1815410.6/47

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 60.977+/-0.005 χ^2/NDF: 4402167.5/103



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 104.831+/-149.007 χ^2/NDF: 26.4/30

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

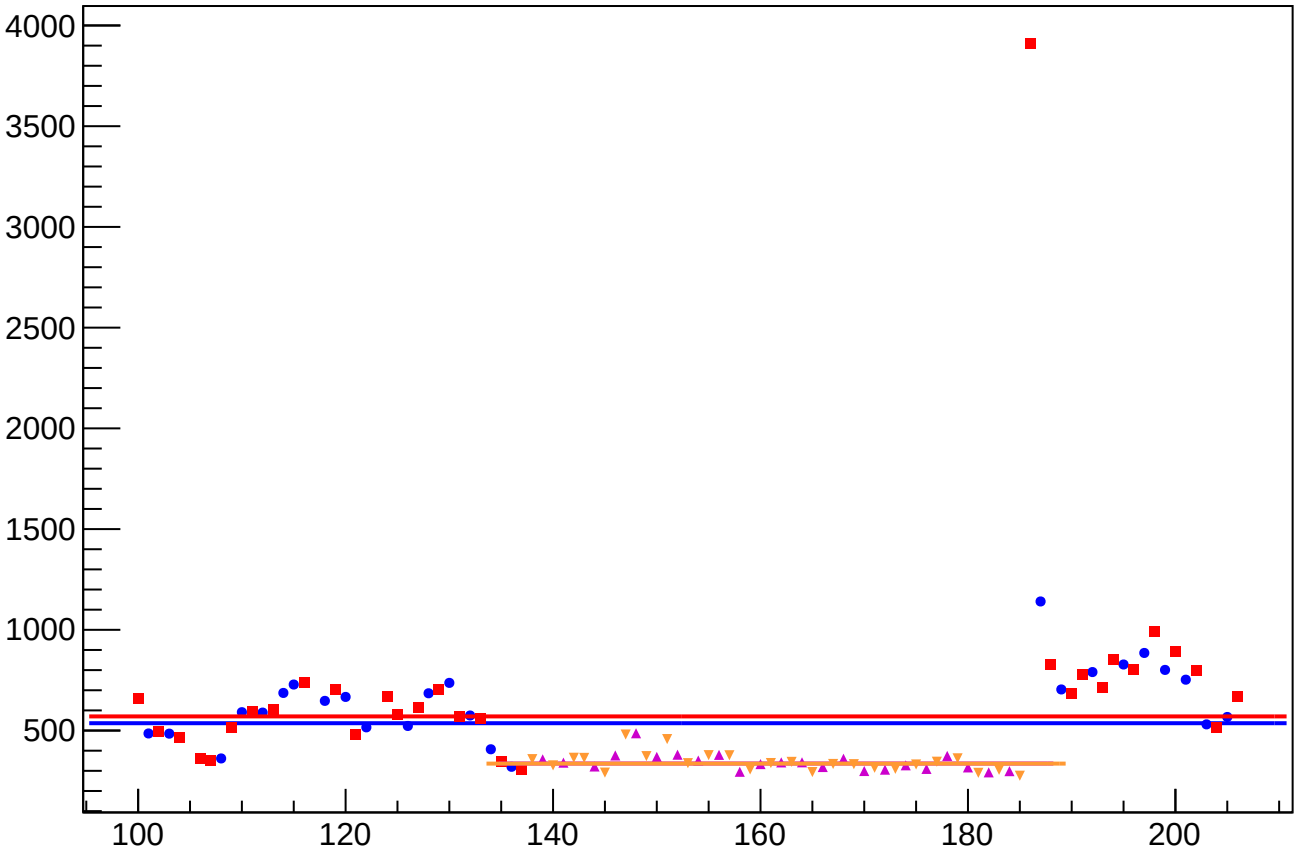
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

Right: -91.685+/-105.848 χ^2/NDF: 53.5/55

In: -65.749+/-70.071 χ^2/NDF:60.0/47

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -56.758+/-48.951 χ^2/NDF: 117.7/103



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

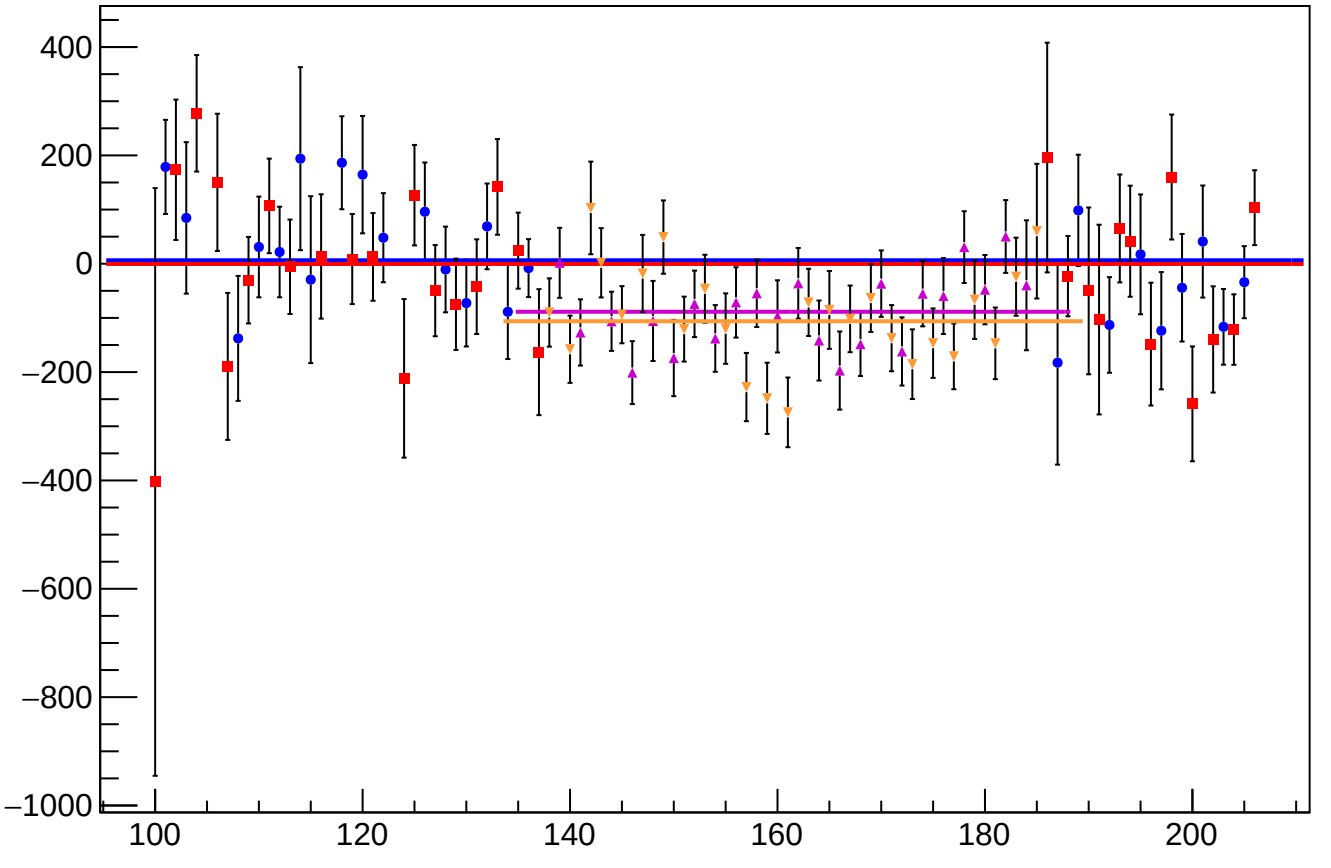
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 553.469+/-0.075 χ^2/NDF: 5828495.6/55

In: 379.784+/-0.050 χ^2/NDF:5677724.2/47

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 382.600+/-0.035 χ^2/NDF: 13406365.5/10



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.403+/-17.390 χ^2/NDF: 43.4/30

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

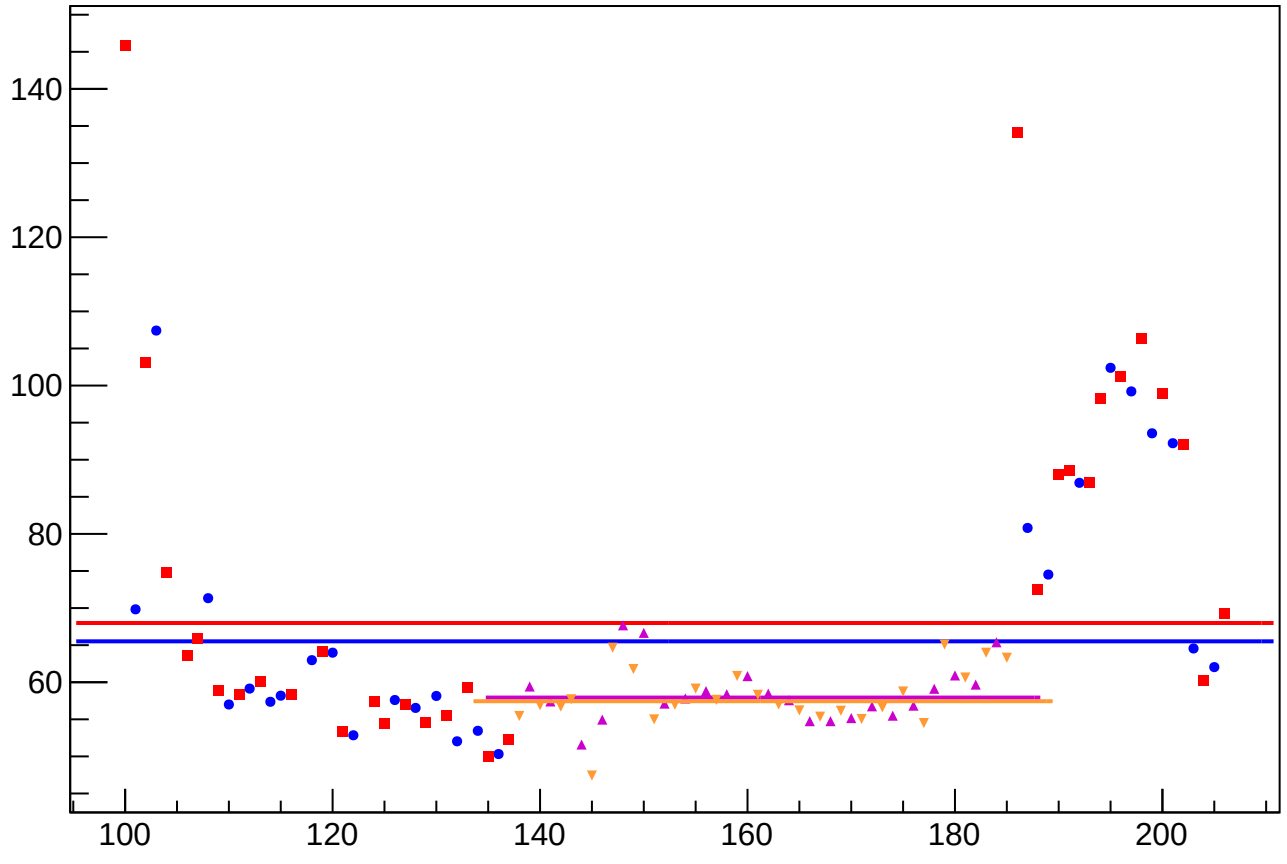
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 2.893+/-12.508 χ^2/NDF: 70.3/55

In: -54.199+/-10.835 χ^2/NDF:68.5/47

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -61.279+/-7.524 χ^2/NDF: 177.0/103



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

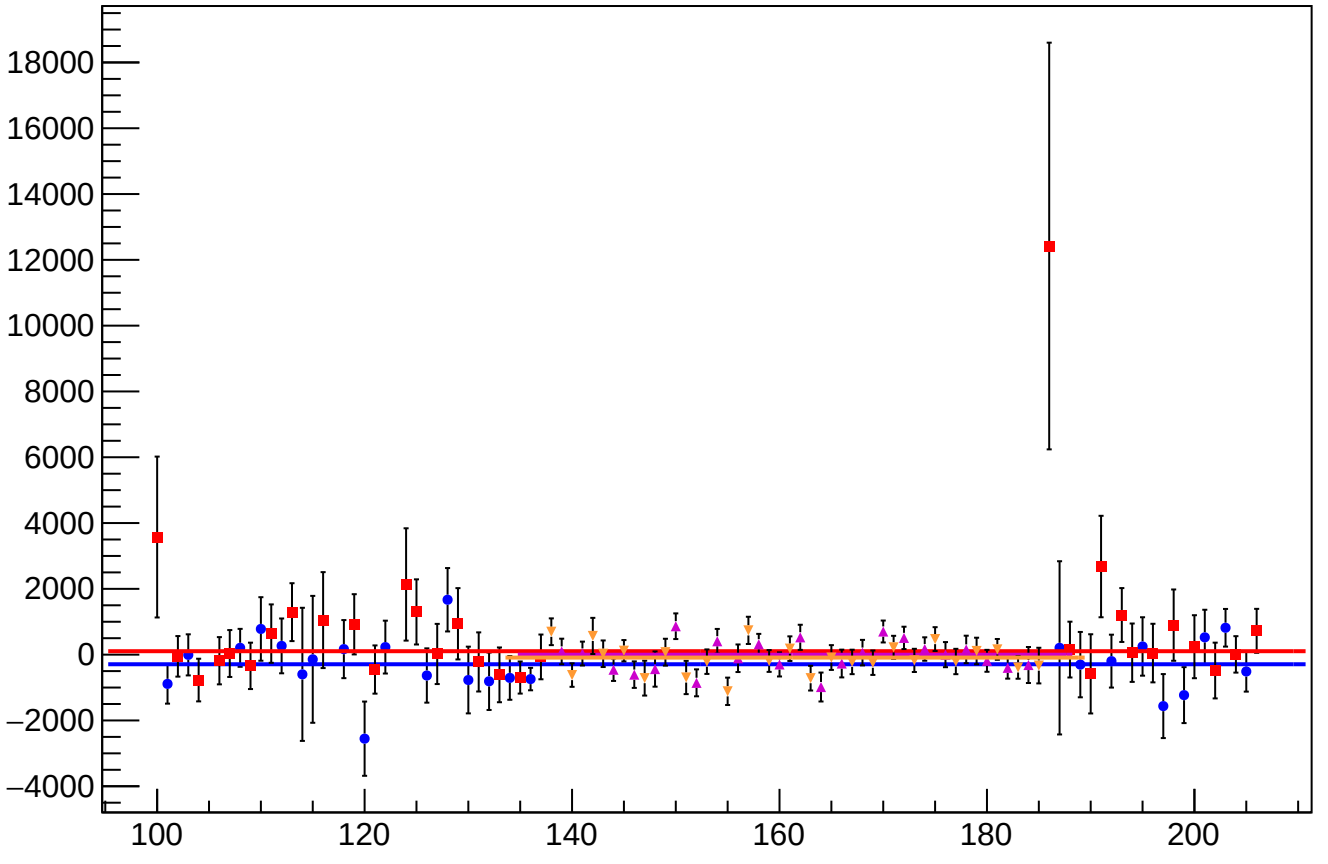
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.795+/-0.009 χ^2/NDF: 3412265.2/55

In: 60.679+/-0.008 χ^2/NDF:1815410.6/47

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 60.977+/-0.005 χ^2/NDF: 4402167.5/103



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 104.831+/-149.007 χ^2/NDF: 26.4/30

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

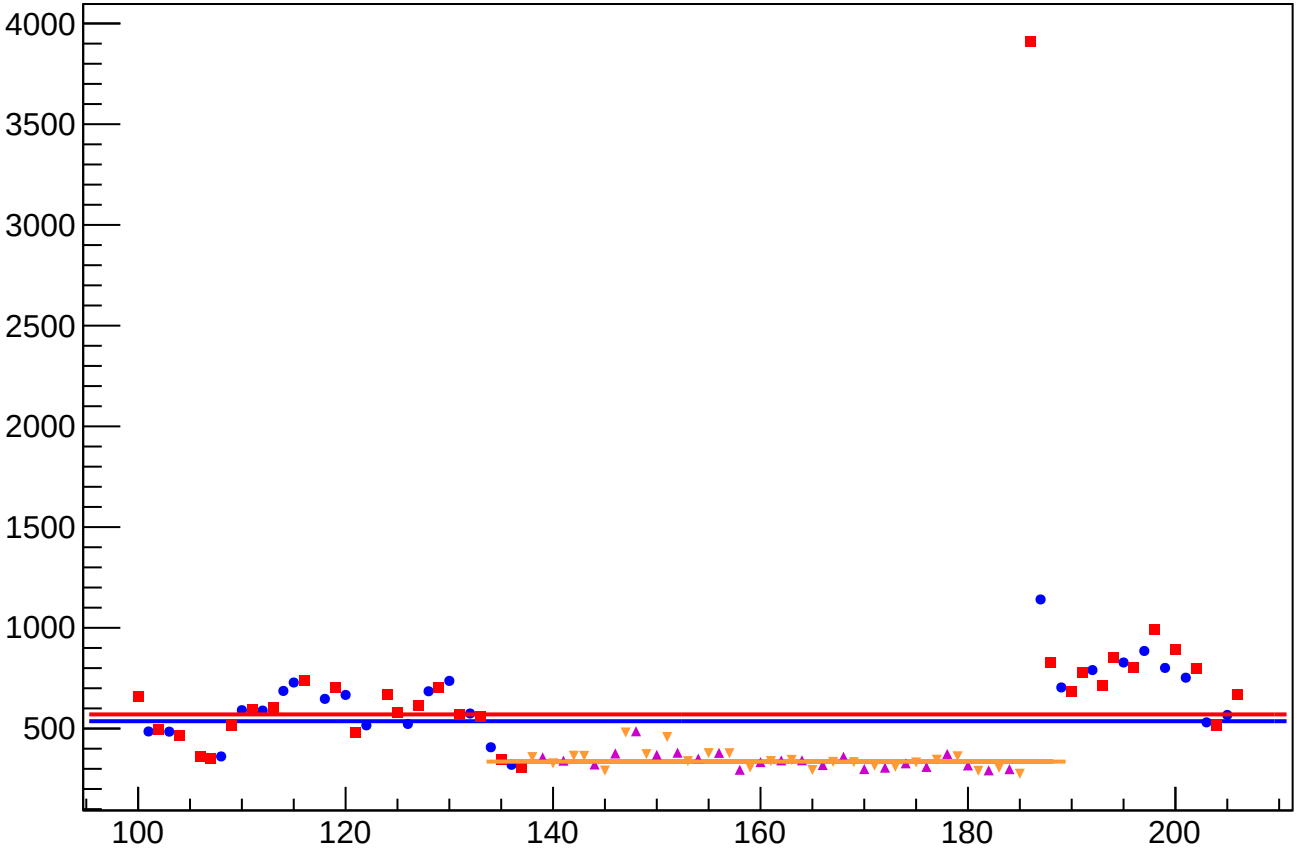
Right: -91.685+/-105.848 χ^2/NDF: 53.5/55

In: -65.749+/-70.071 χ^2/NDF:60.0/47

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -56.758+/-48.951 χ^2/NDF: 117.7/103

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

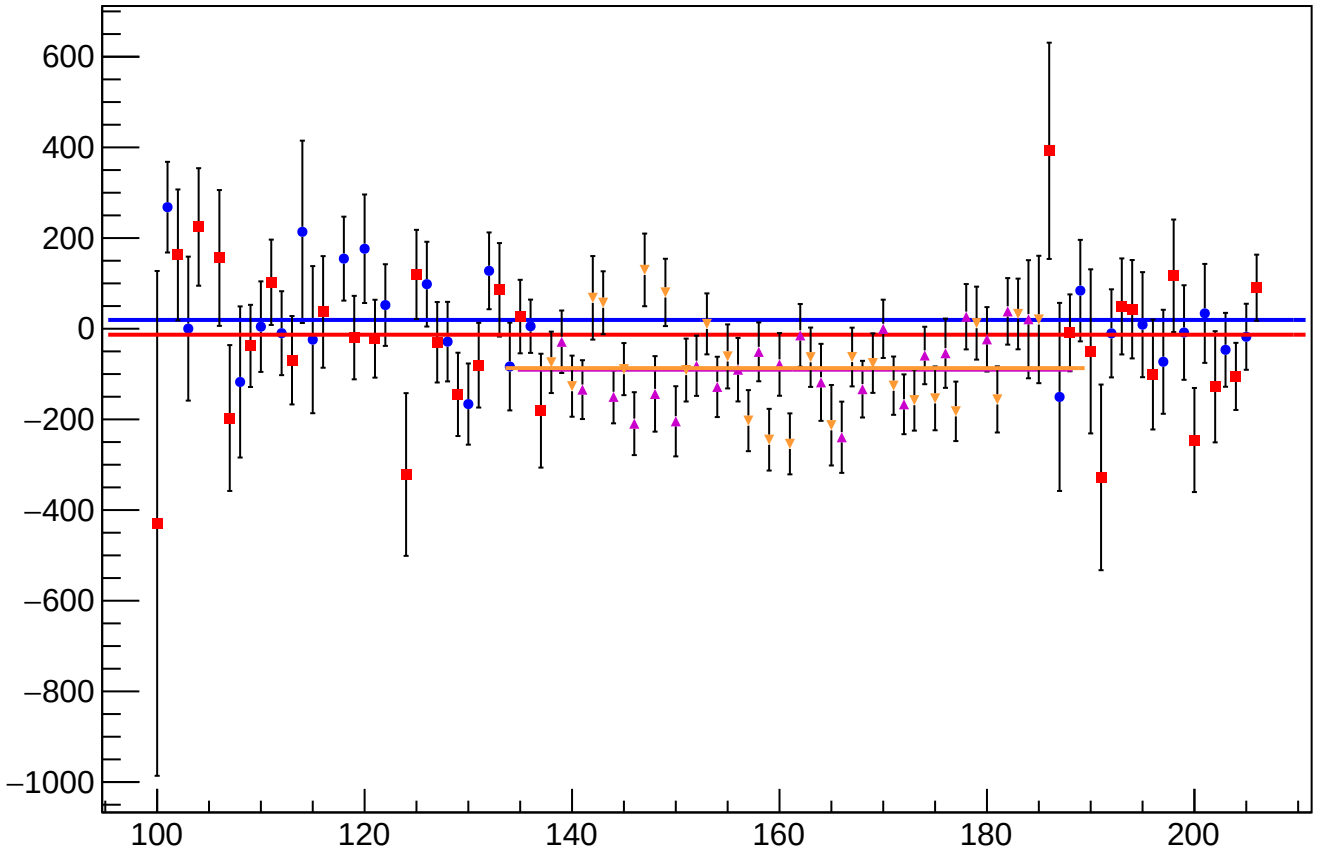
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 553.469+/-0.075 χ^2/NDF: 5828495.6/55

In: 379.784+/-0.050 χ^2/NDF:5677724.2/47

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 382.600+/-0.035 χ^2/NDF: 13406365.5/10



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -13.190+/-19.287 χ^2/NDF: 36.5/30

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

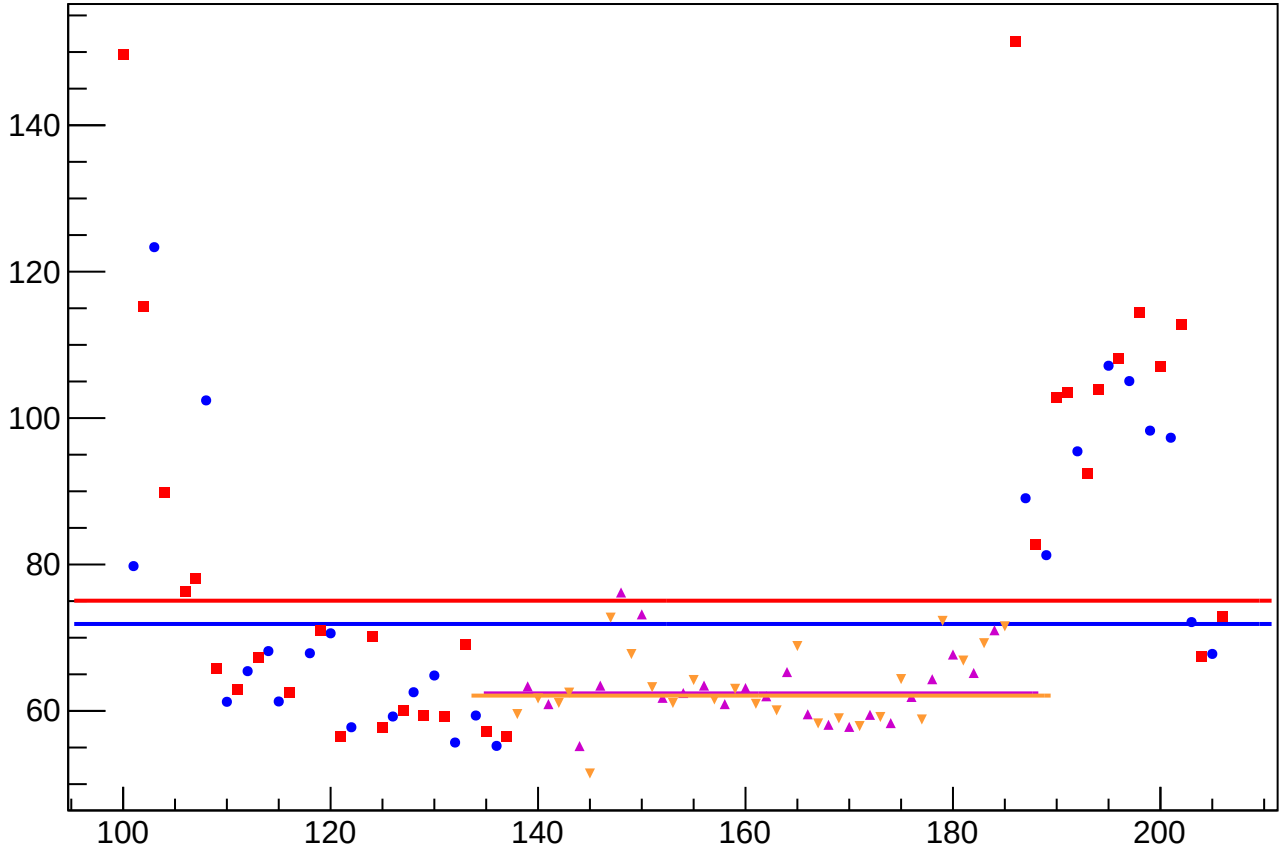
Right: 2.654+/-13.824 χ^2/NDF: 60.7/55

In: -51.576+/-11.786 χ^2/NDF:67.7/47

Out: -61.087+/-11.422 χ^2/NDF:94.8/55

All: -56.481+/-8.202 χ^2/NDF: 162.9/103

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 71.877+/-0.014 χ^2/NDF: 1464376.6/24

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.057+/-0.014 χ^2/NDF: 2007873.3/30

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

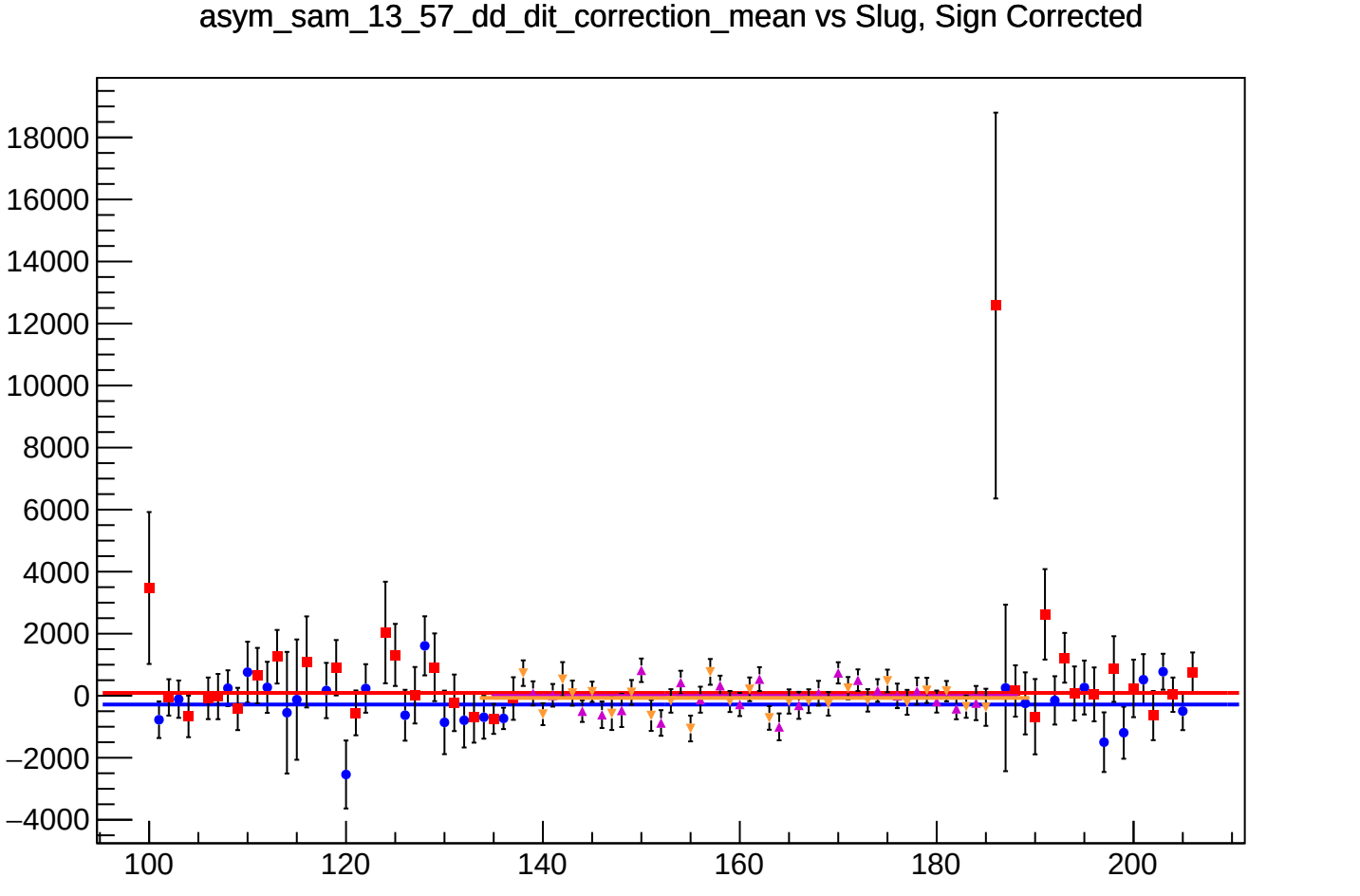
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

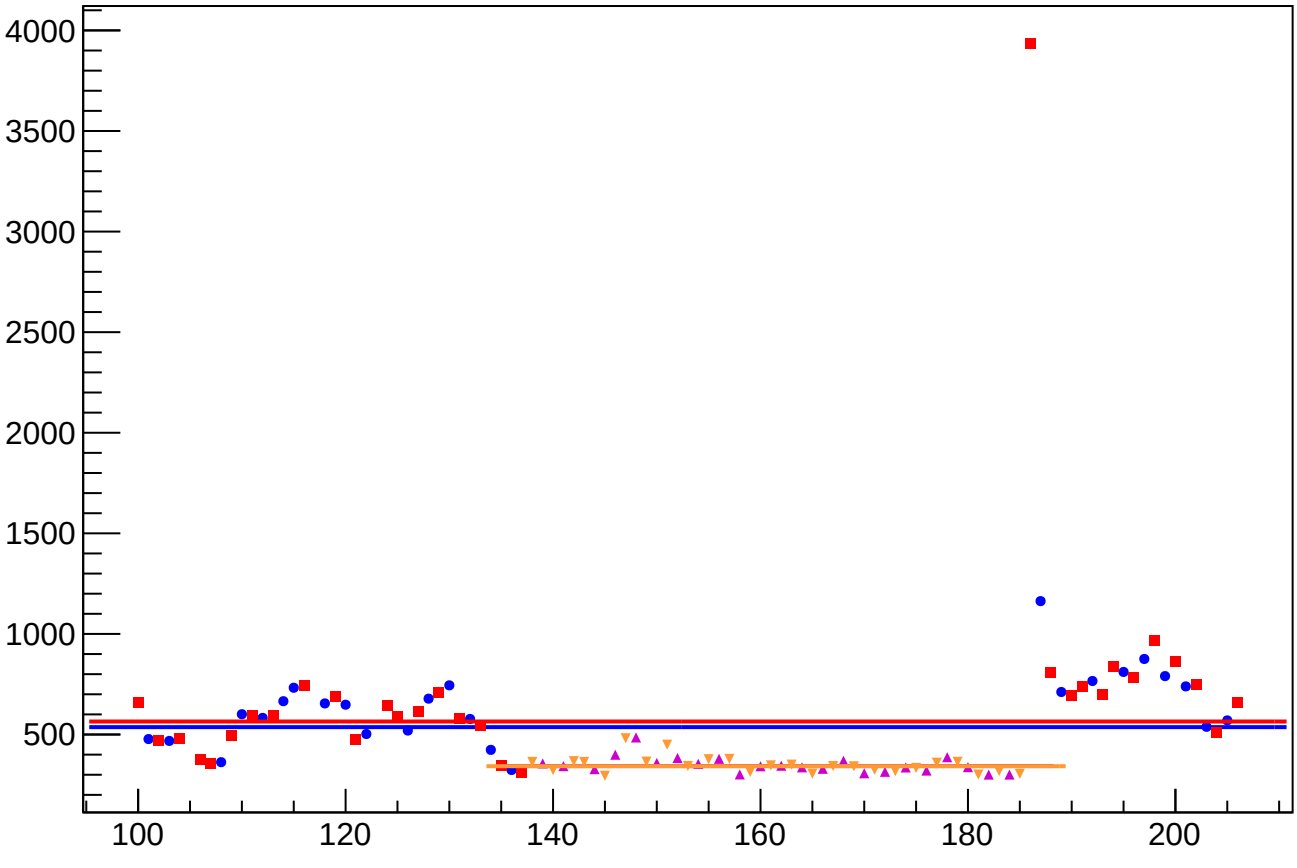
Right: 73.511+/-0.010 χ^2/NDF: 3498679.7/55

In: 65.746+/-0.008 χ^2/NDF:1949001.2/47

Out: 66.639+/-0.008 χ^2/NDF:2827861.8/55

All: 66.207+/-0.006 χ^2/NDF: 4782790.2/103


asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -283.508+/-149.956 χ²/NDF: 22.6/24
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 90.027+/-146.833 χ²/NDF: 27.7/30
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -92.811+/-104.913 χ²/NDF: 53.5/55
In: -68.497+/-71.104 χ²/NDF:59.2/47
Out: -35.530+/-69.159 χ²/NDF:57.2/55
All: -51.556+/-49.576 χ²/NDF: 116.6/103



Right In: 536.683+/-0.106 χ^2/NDF: 2379506.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 564.656+/-0.104 χ^2/NDF: 3128593.2/30

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

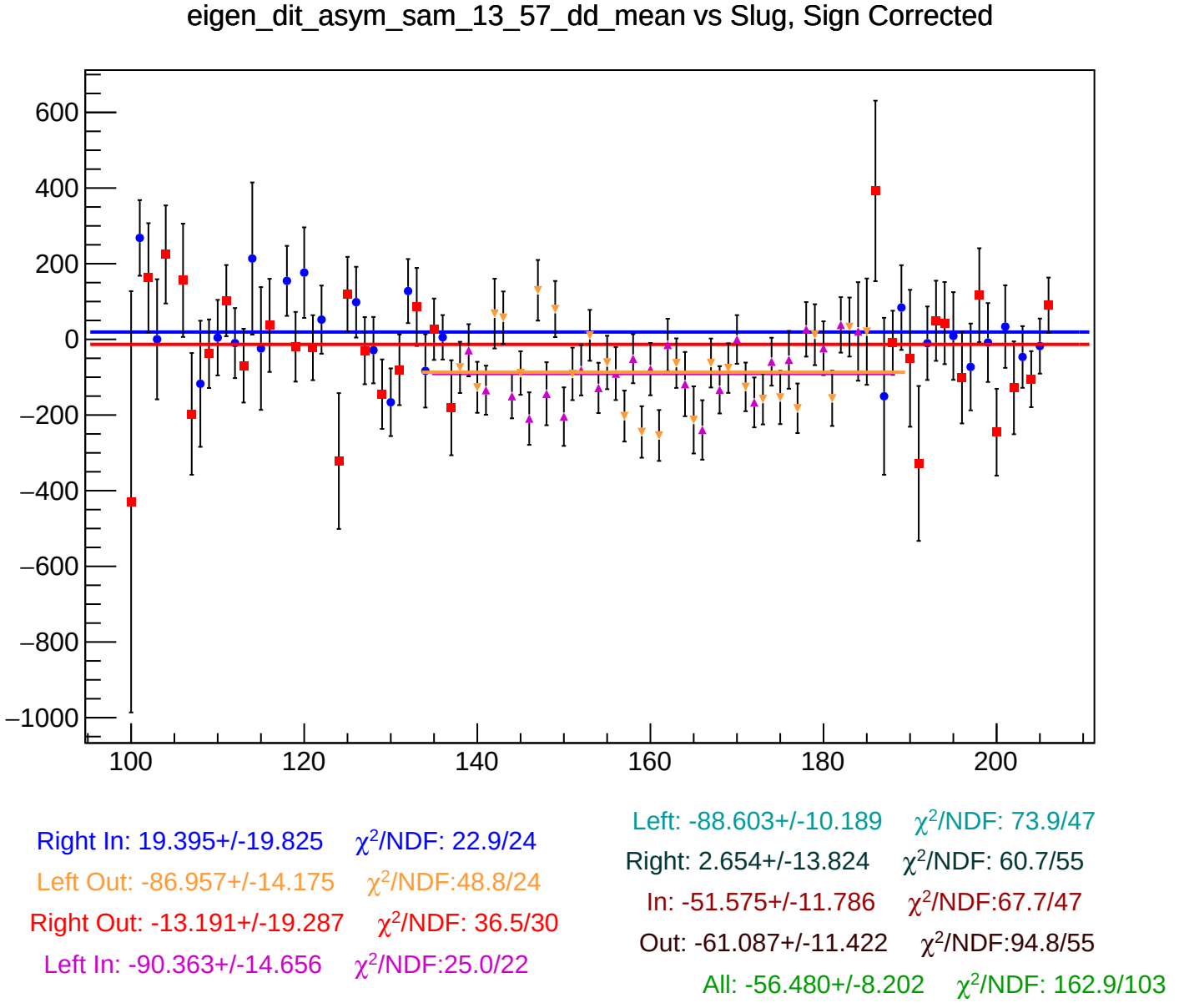
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

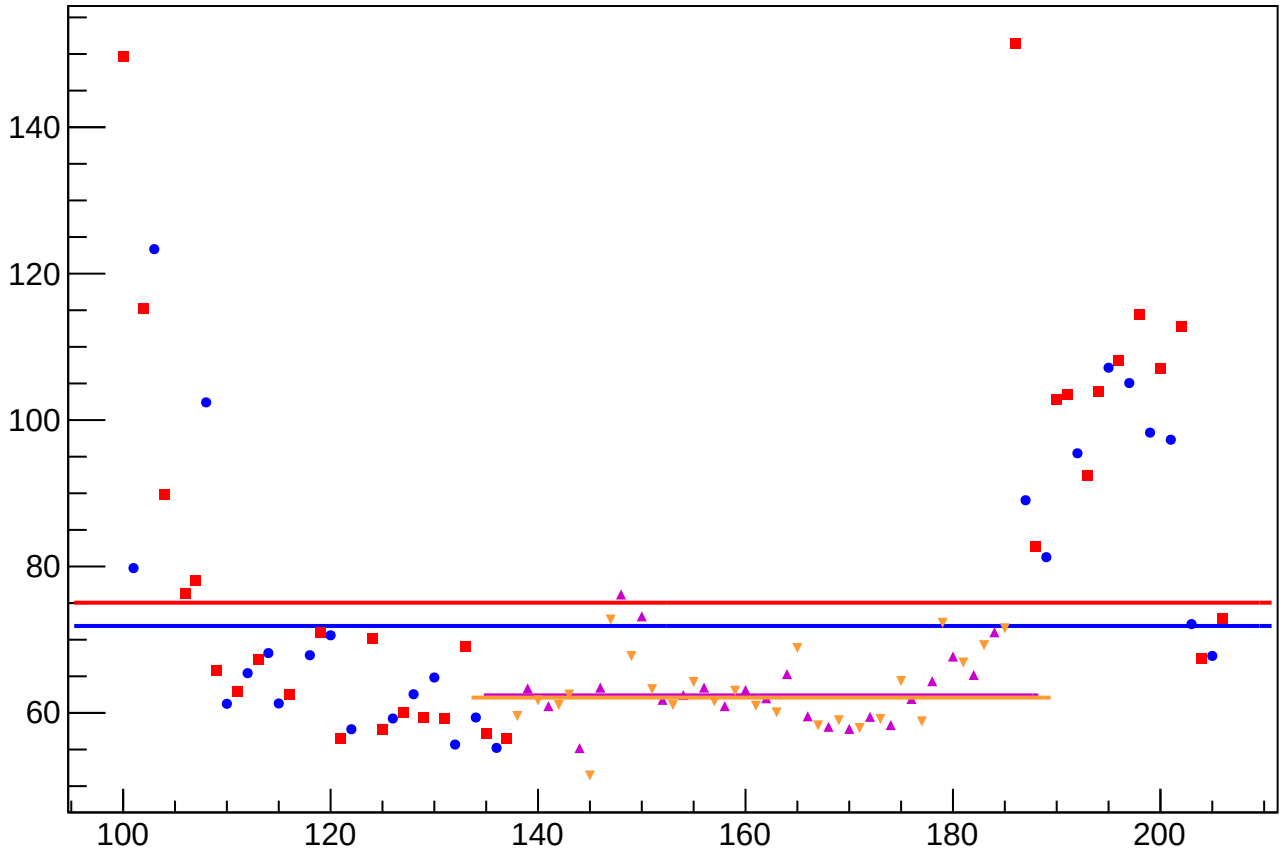
Right: 550.964+/-0.074 χ^2/NDF: 5543629.9/55

In: 386.736+/-0.050 χ^2/NDF:5332276.7/47

Out: 391.785+/-0.049 χ^2/NDF:7125308.2/55

All: 389.331+/-0.035 χ^2/NDF: 12462767.6/10


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 19.395+/-19.825 χ²/NDF: 22.9/24
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -13.191+/-19.287 χ²/NDF: 36.5/30
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: 2.654+/-13.824 χ²/NDF: 60.7/55
In: -51.575+/-11.786 χ²/NDF:67.7/47
Out: -61.087+/-11.422 χ²/NDF:94.8/55
All: -56.480+/-8.202 χ²/NDF: 162.9/103



Right In: 71.877+/-0.014 χ^2/NDF: 1464397.8/24

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.057+/-0.014 χ^2/NDF: 2007875.5/30

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

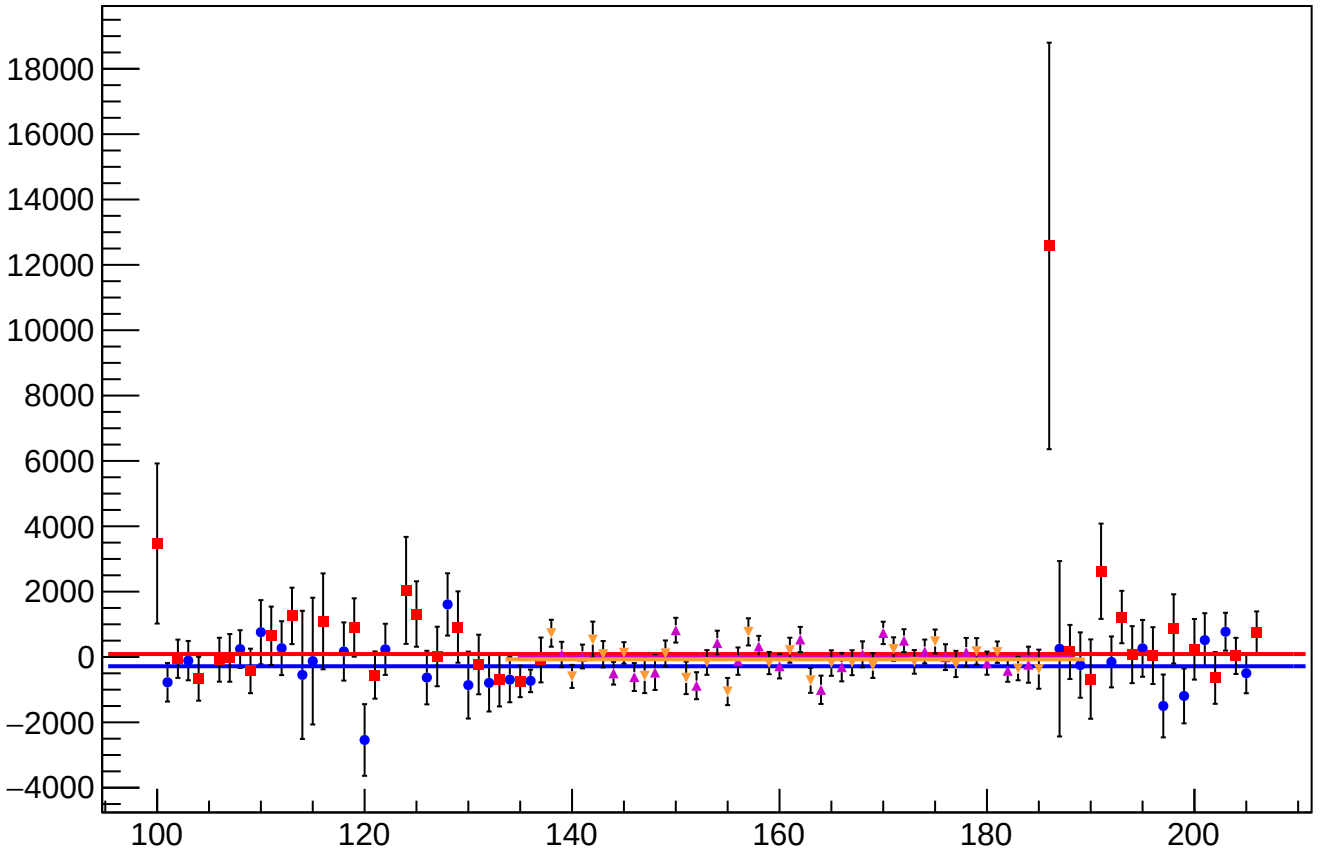
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.510+/-0.010 χ^2/NDF: 3498703.4/55

In: 65.746+/-0.008 χ^2/NDF:1949019.6/47

Out: 66.639+/-0.008 χ^2/NDF:2827863.9/55

All: 66.207+/-0.006 χ^2/NDF: 4782810.5/103



Right In: -283.508+/-149.955 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 90.027+/-146.833 χ^2/NDF: 27.7/30

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

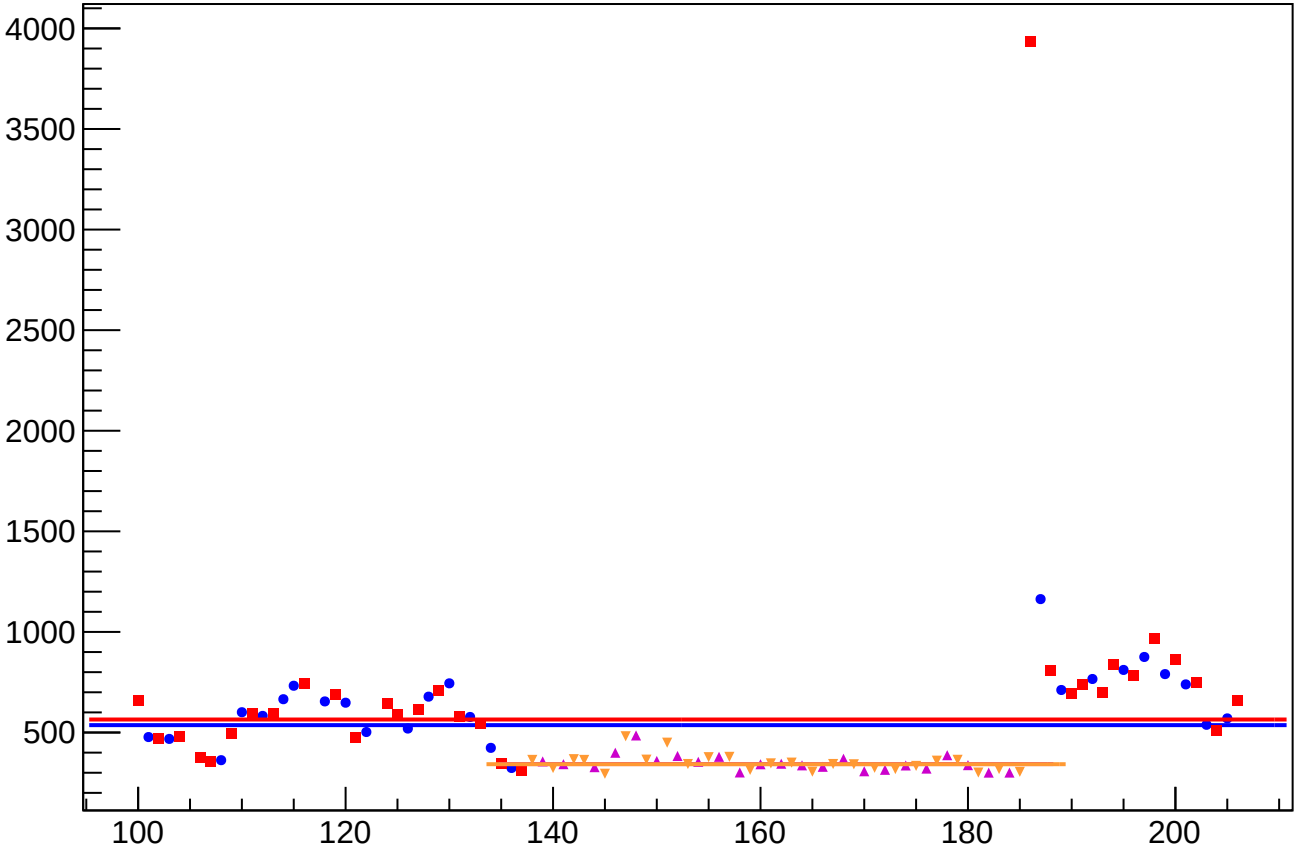
Right: -92.811+/-104.913 χ^2/NDF: 53.5/55

In: -68.497+/-71.104 χ^2/NDF:59.2/47

Out: -35.530+/-69.159 χ^2/NDF:57.2/55

All: -51.556+/-49.576 χ^2/NDF: 116.6/103

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 536.682+/-0.106 χ^2/NDF: 2379510.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 564.655+/-0.104 χ^2/NDF: 3128598.6/30

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

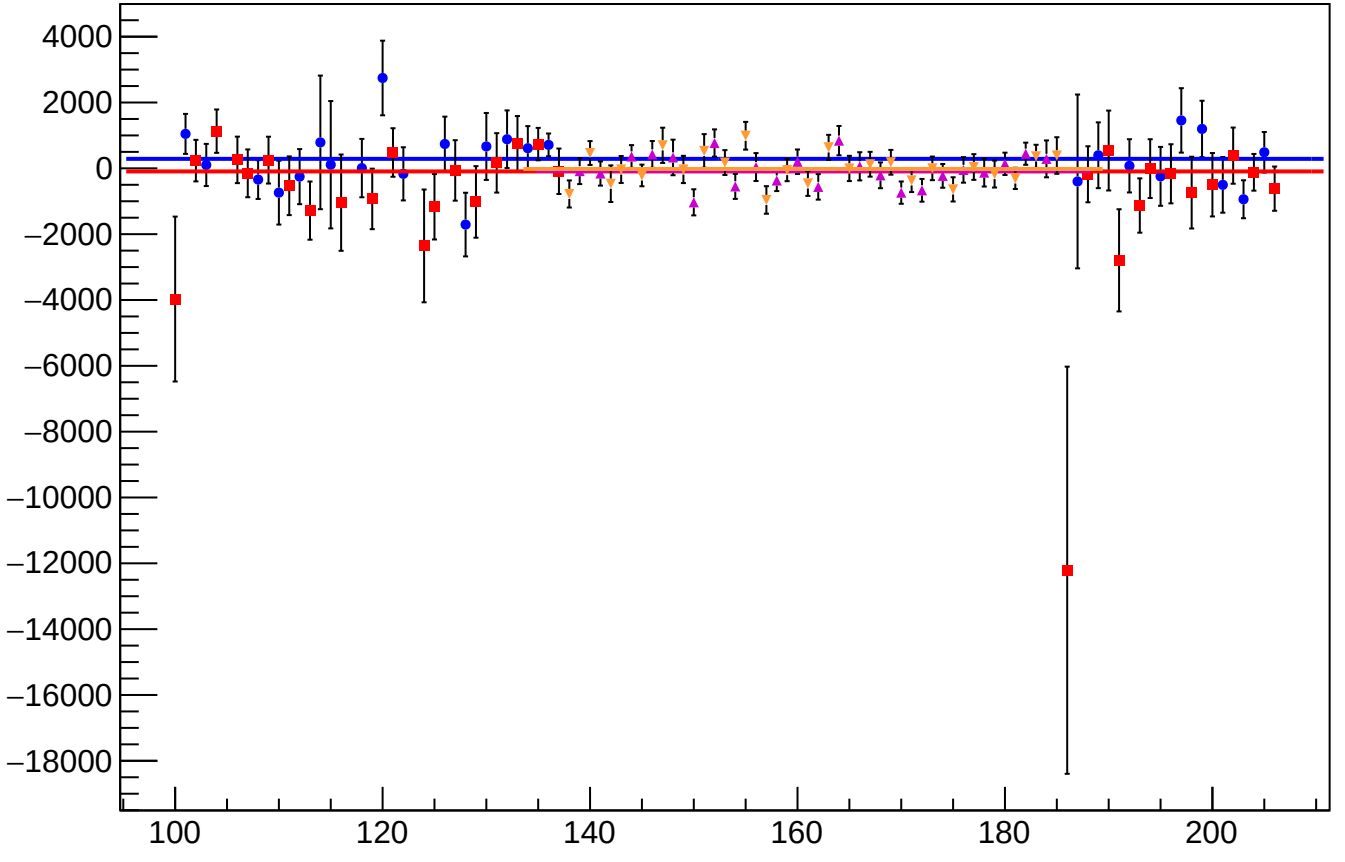
Right: 550.963+/-0.074 χ^2/NDF: 5543638.8/55

In: 386.736+/-0.050 χ^2/NDF:5332267.5/47

Out: 391.785+/-0.049 χ^2/NDF:7125297.3/55

All: 389.331+/-0.035 χ^2/NDF: 12462747.3/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 288.129+/-151.894 χ^2/NDF: 25.0/24

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -93.725+/-150.205 χ^2/NDF: 28.3/30

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

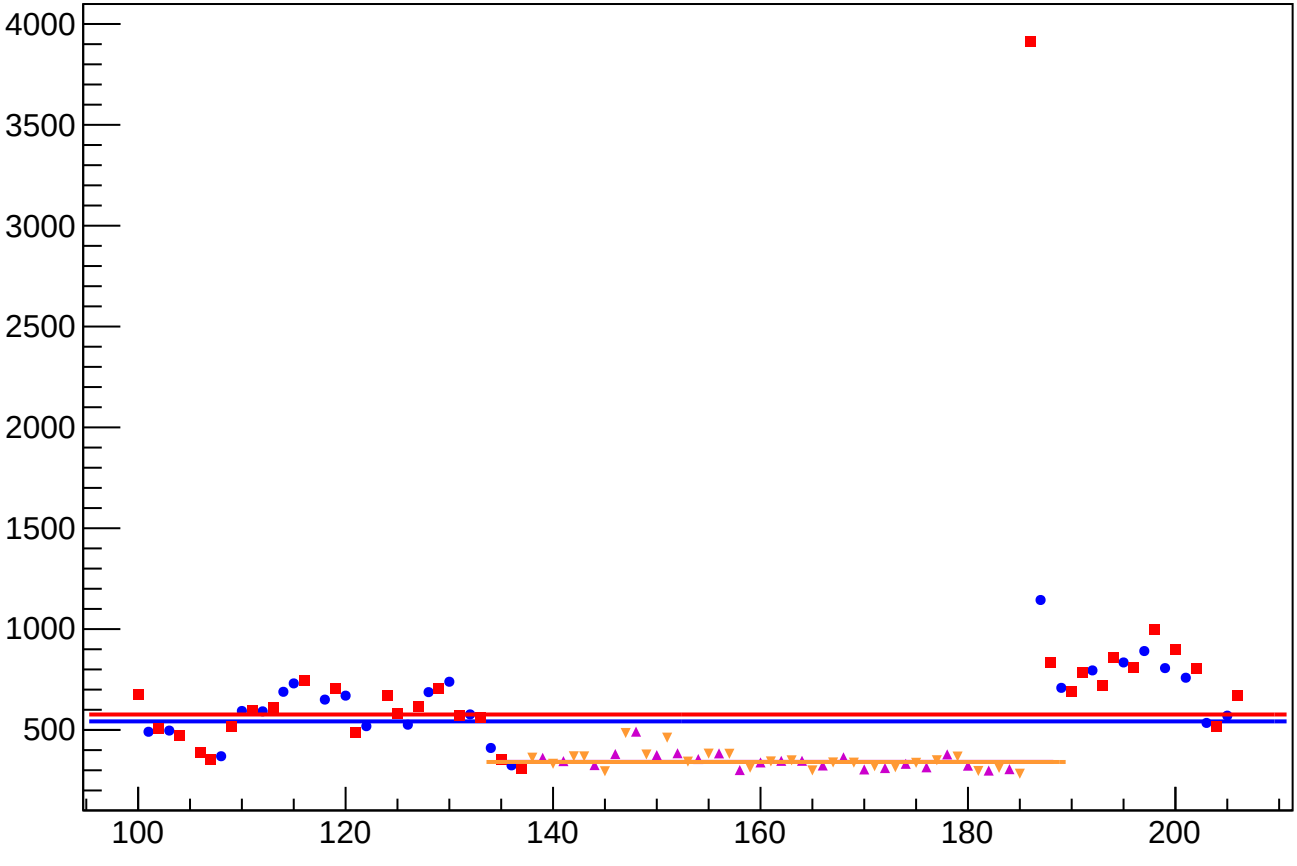
Right: 95.067+/-106.803 χ^2/NDF: 56.4/55

In: 1.584+/-71.066 χ^2/NDF:62.4/47

Out: -35.935+/-69.360 χ^2/NDF:59.9/55

All: -17.631+/-49.637 χ^2/NDF: 122.5/103

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 542.427+/-0.107 χ^2/NDF: 2437473.6/24

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 576.600+/-0.106 χ^2/NDF: 3205160.3/30

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

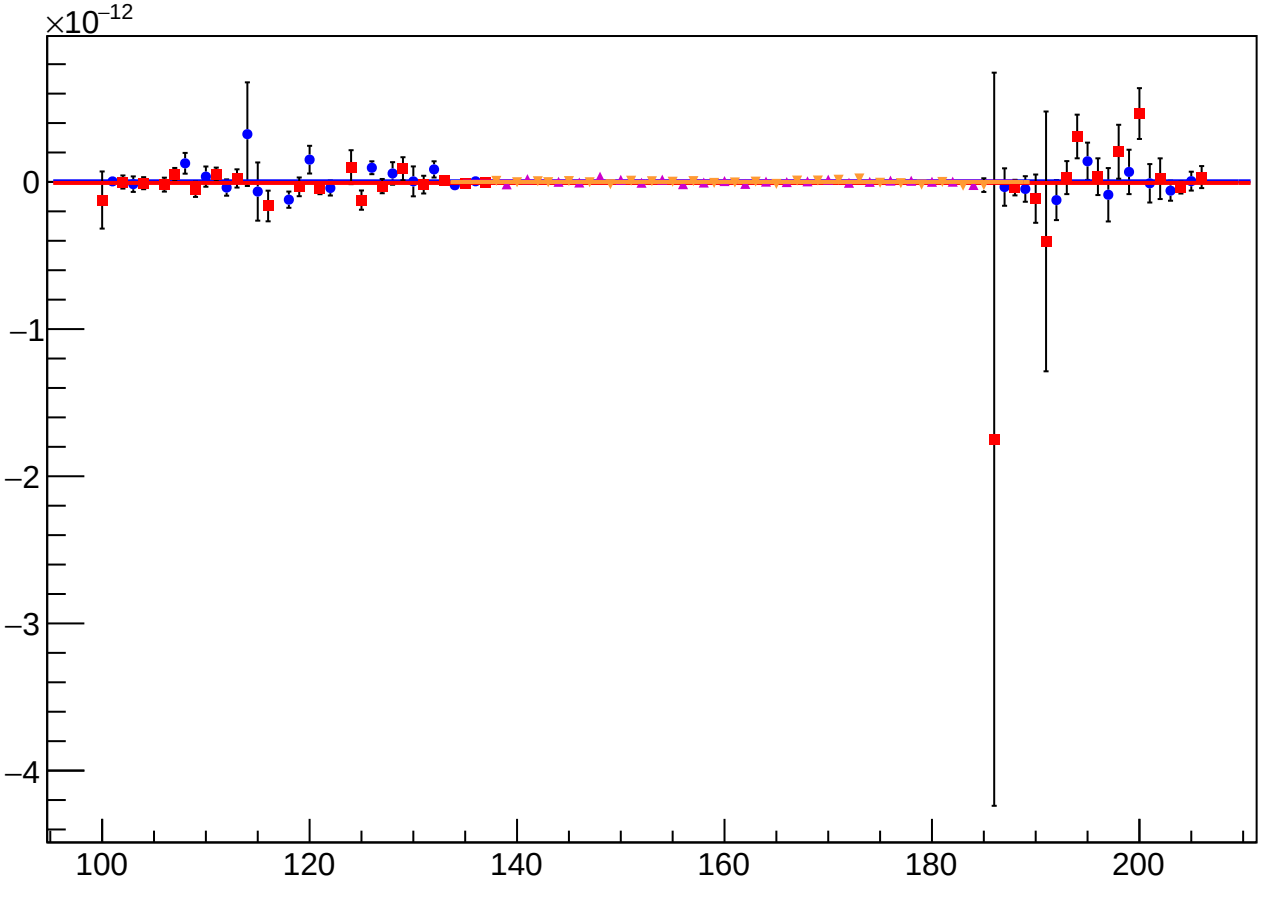
Right: 559.705+/-0.076 χ^2/NDF: 5693816.7/55

In: 385.578+/-0.050 χ^2/NDF:5564591.3/47

Out: 391.394+/-0.049 χ^2/NDF:7580793.5/55

All: 388.557+/-0.035 χ^2/NDF: 13152243.8/10

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/30

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

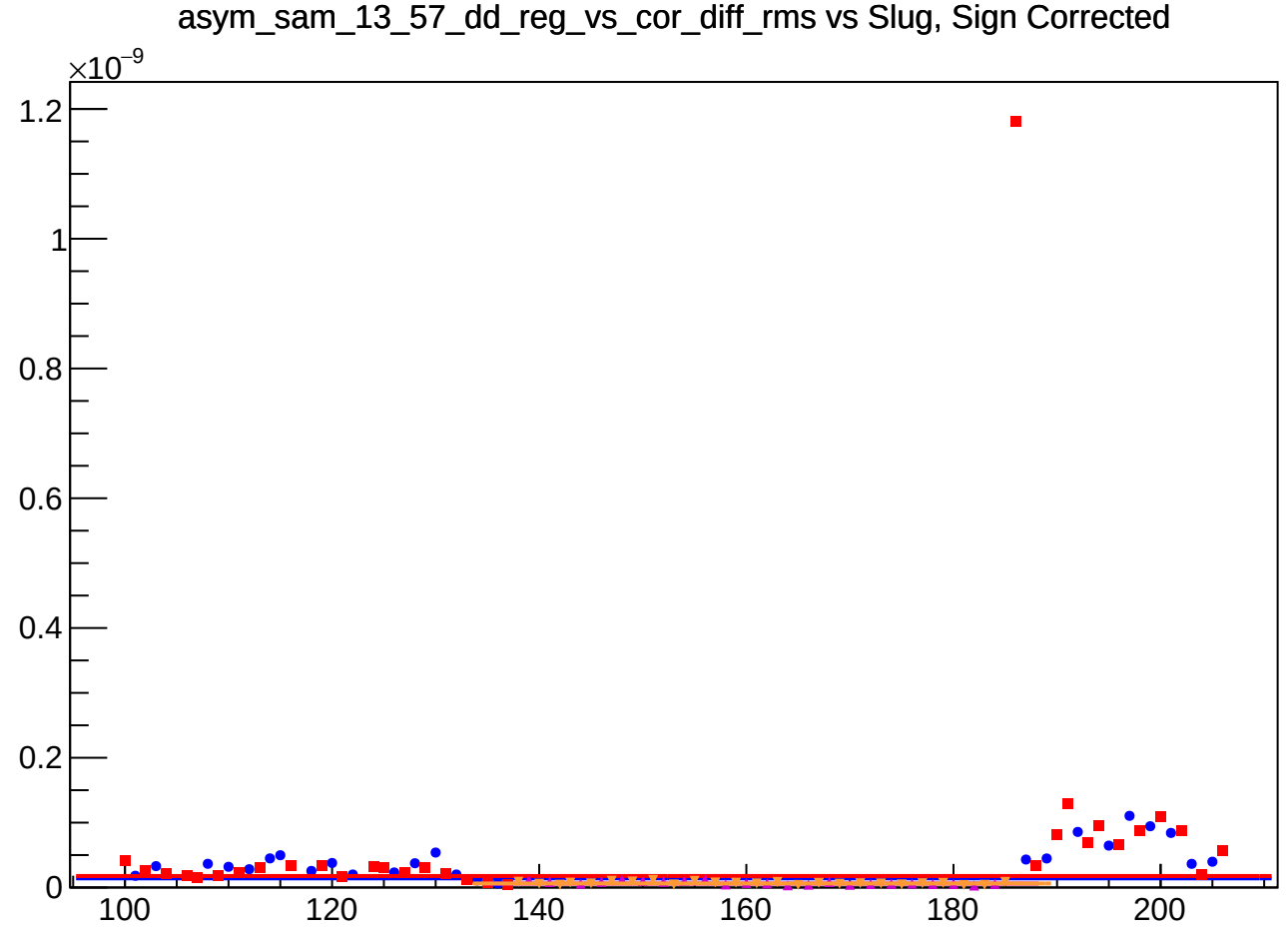
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.9/55

In: 0.000+/-0.000 χ^2/NDF:39.4/47

Out: -0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 90.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 6469971.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6173500.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

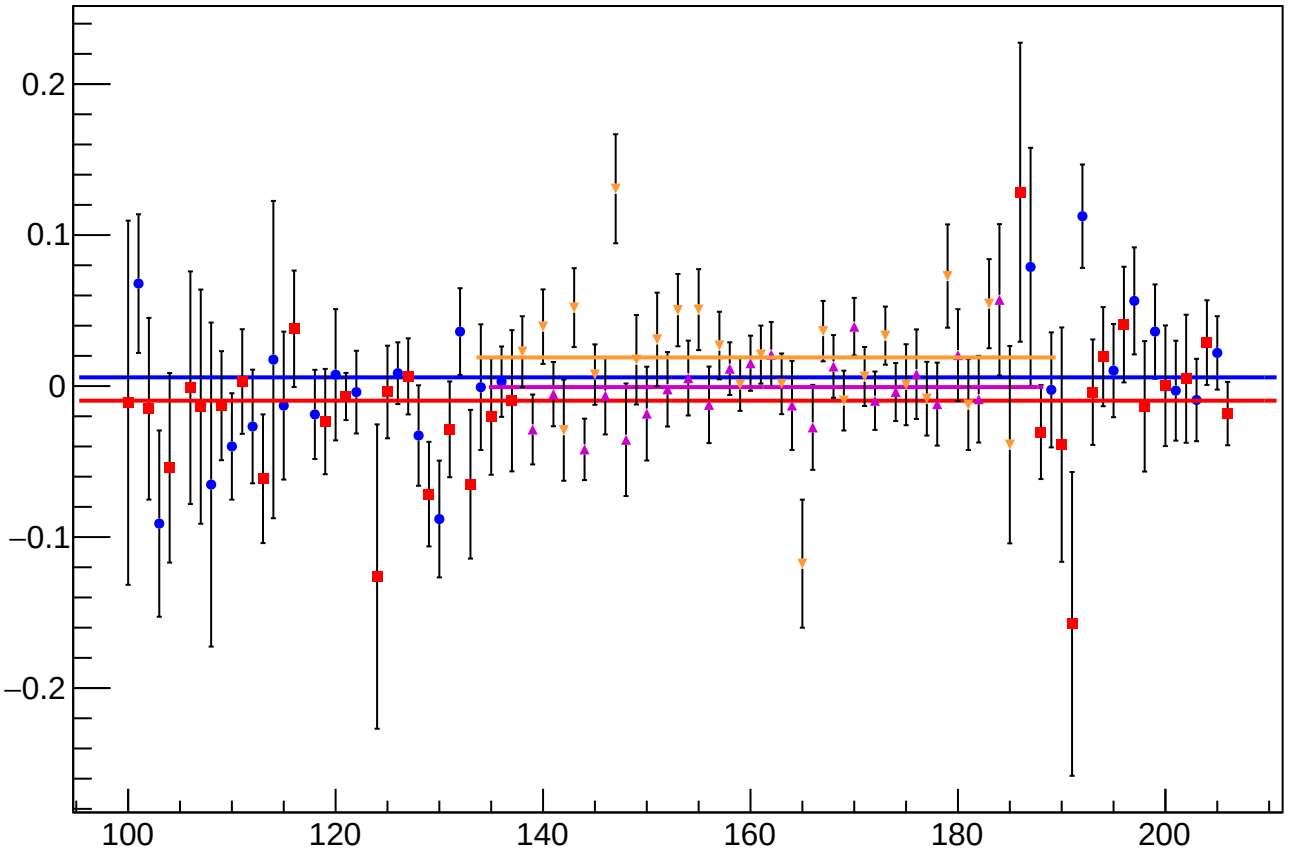
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12831416.8/55

In: 0.000+/-0.000 χ^2/NDF:10053068.0/47

Out: 0.000+/-0.000 χ^2/NDF:10579247.3/55

All: 0.000+/-0.000 χ^2/NDF: 20642208.1/103



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

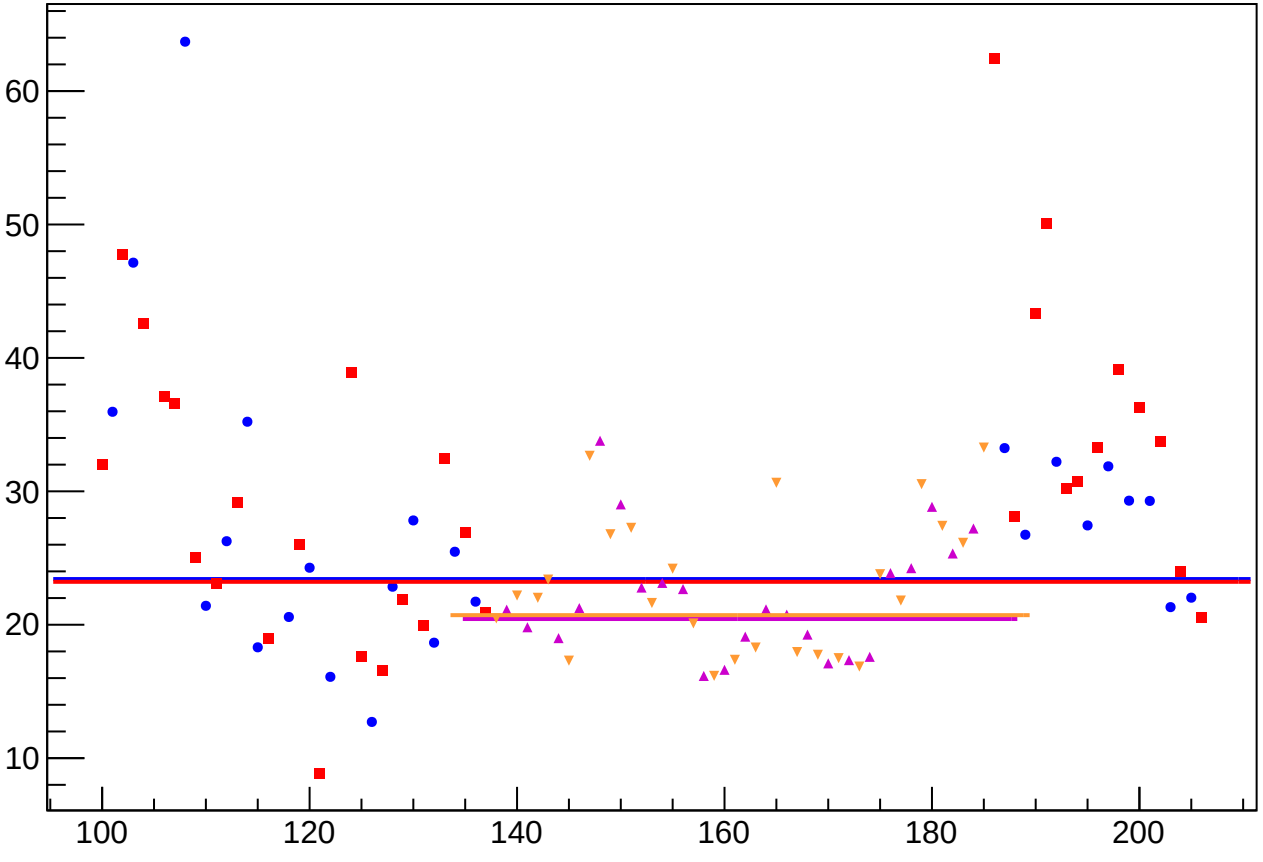
Right: -0.002+/-0.005 χ^2/NDF: 53.7/55

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.5/103

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

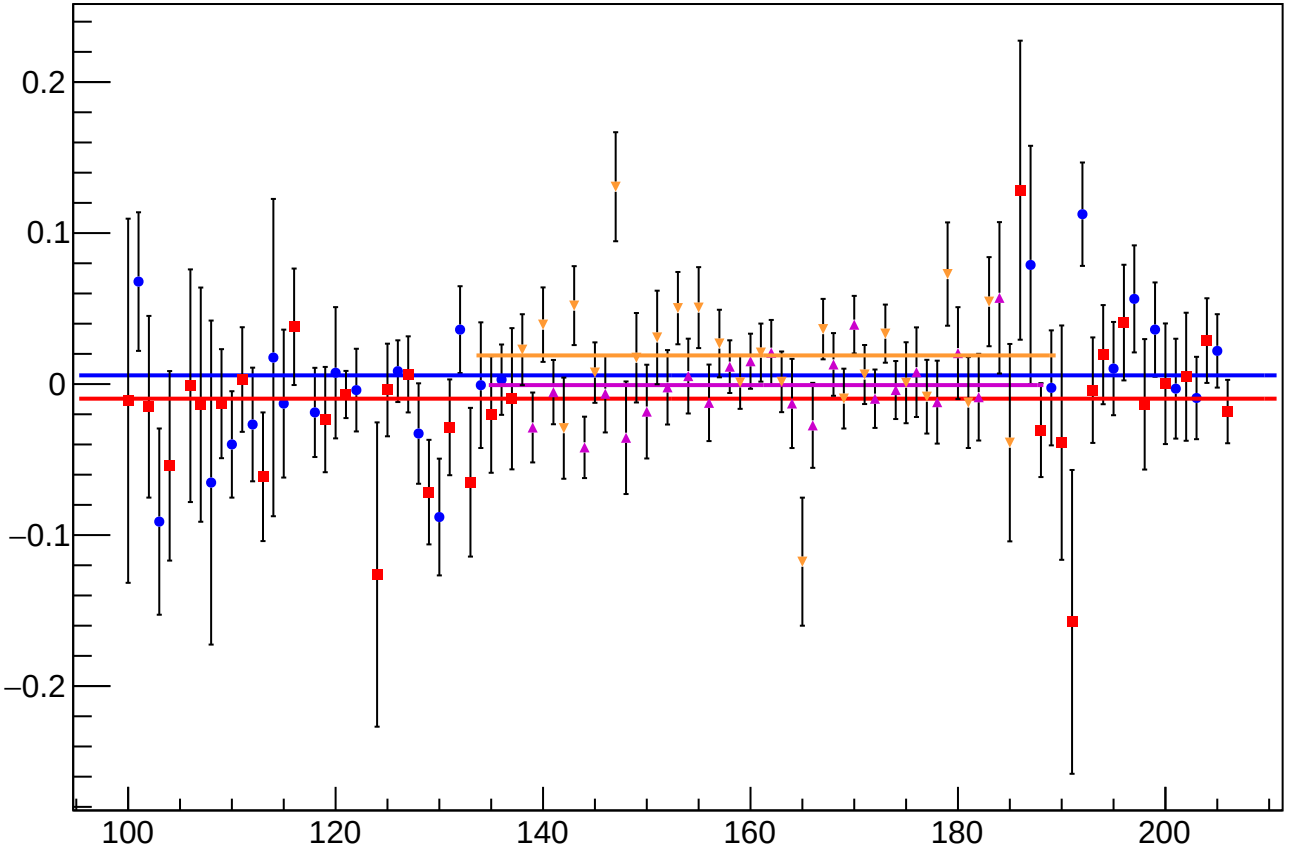
Right: 23.317+/-0.003 χ^2/NDF: 6489512.1/55

In: 21.473+/-0.003 χ^2/NDF:3508332.9/47

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.549+/-0.002 χ^2/NDF: 9617560.8/103

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

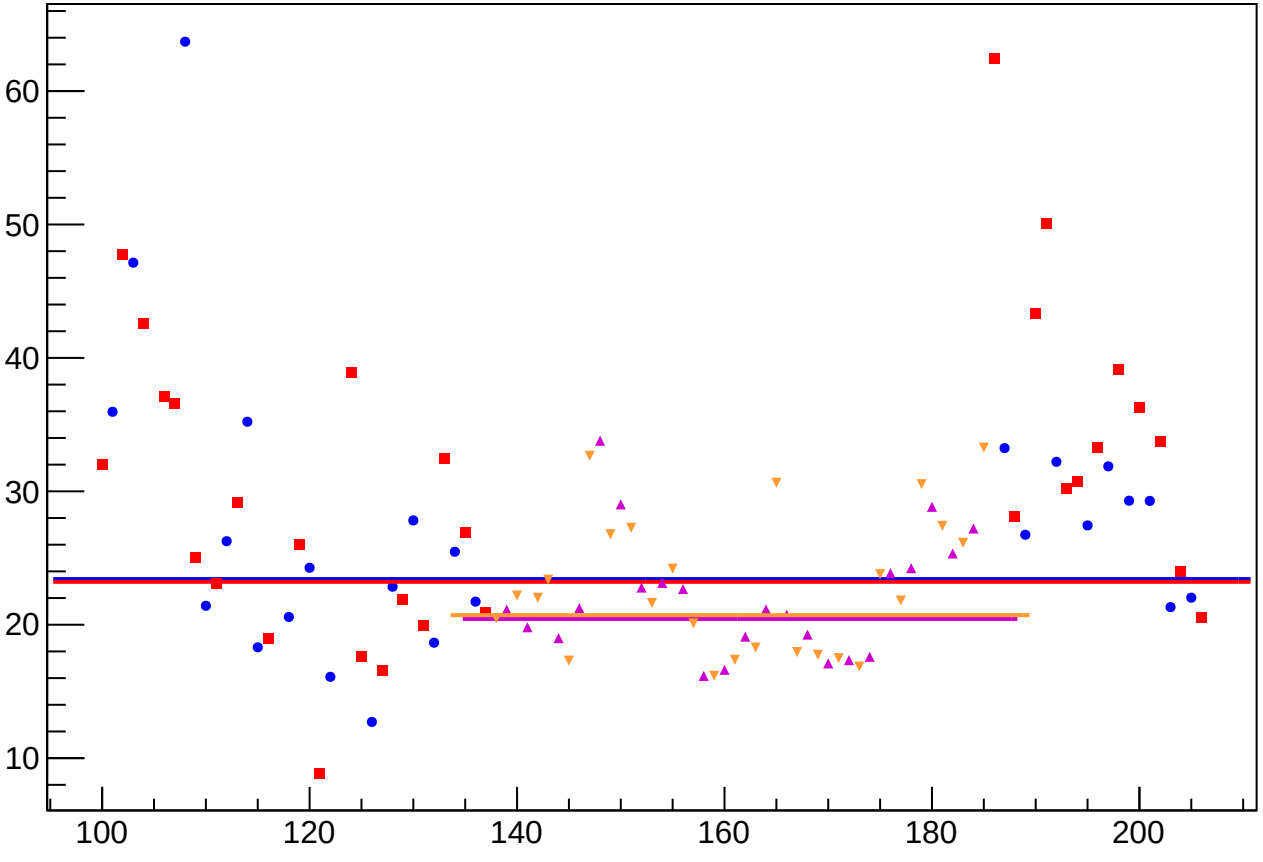
Right: -0.002+/-0.005 χ^2/NDF: 53.7/55

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.5/103

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

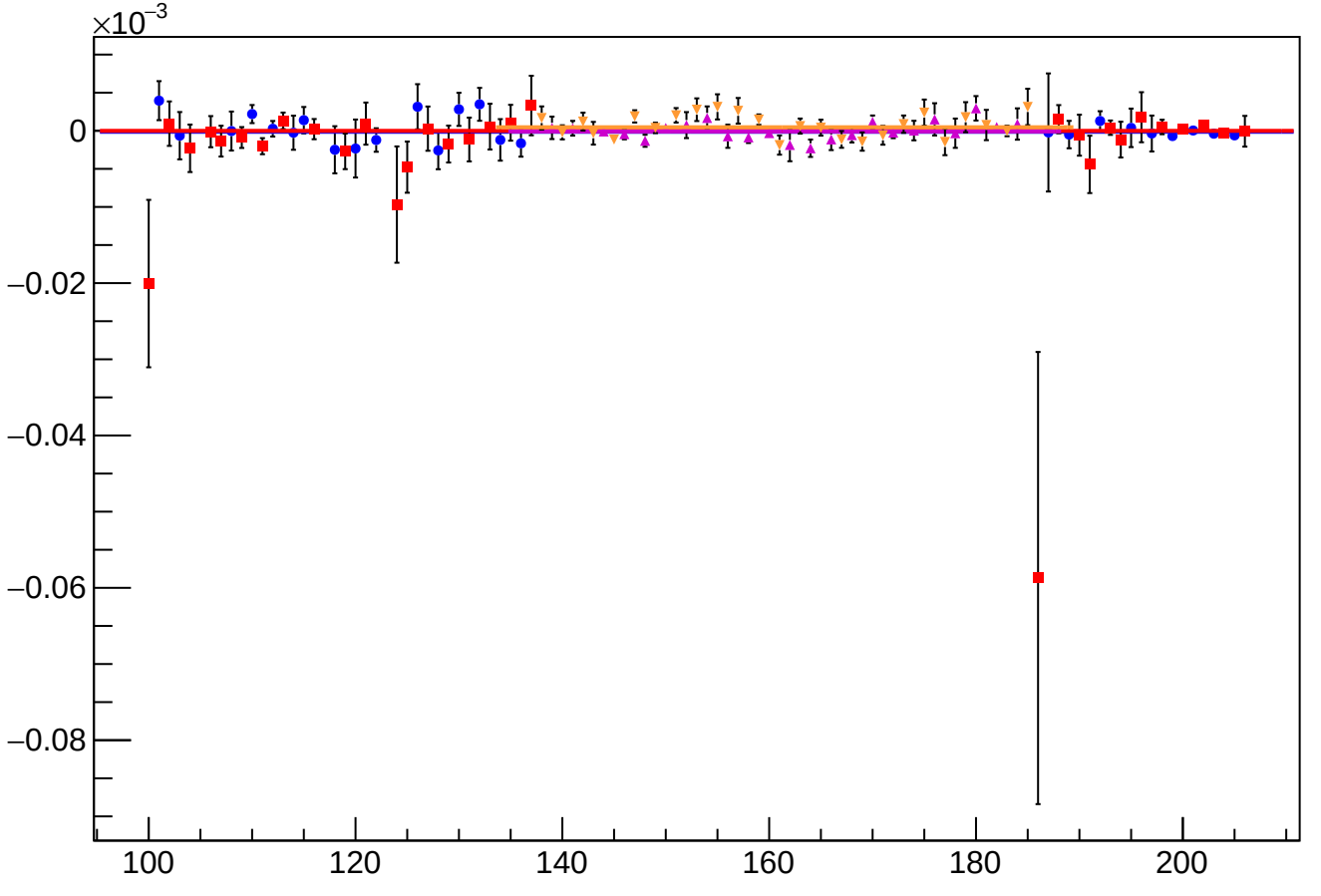
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.317+/-0.003 χ^2/NDF: 6489512.1/55

In: 21.473+/-0.003 χ^2/NDF:3508332.9/47

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.549+/-0.002 χ^2/NDF: 9617560.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

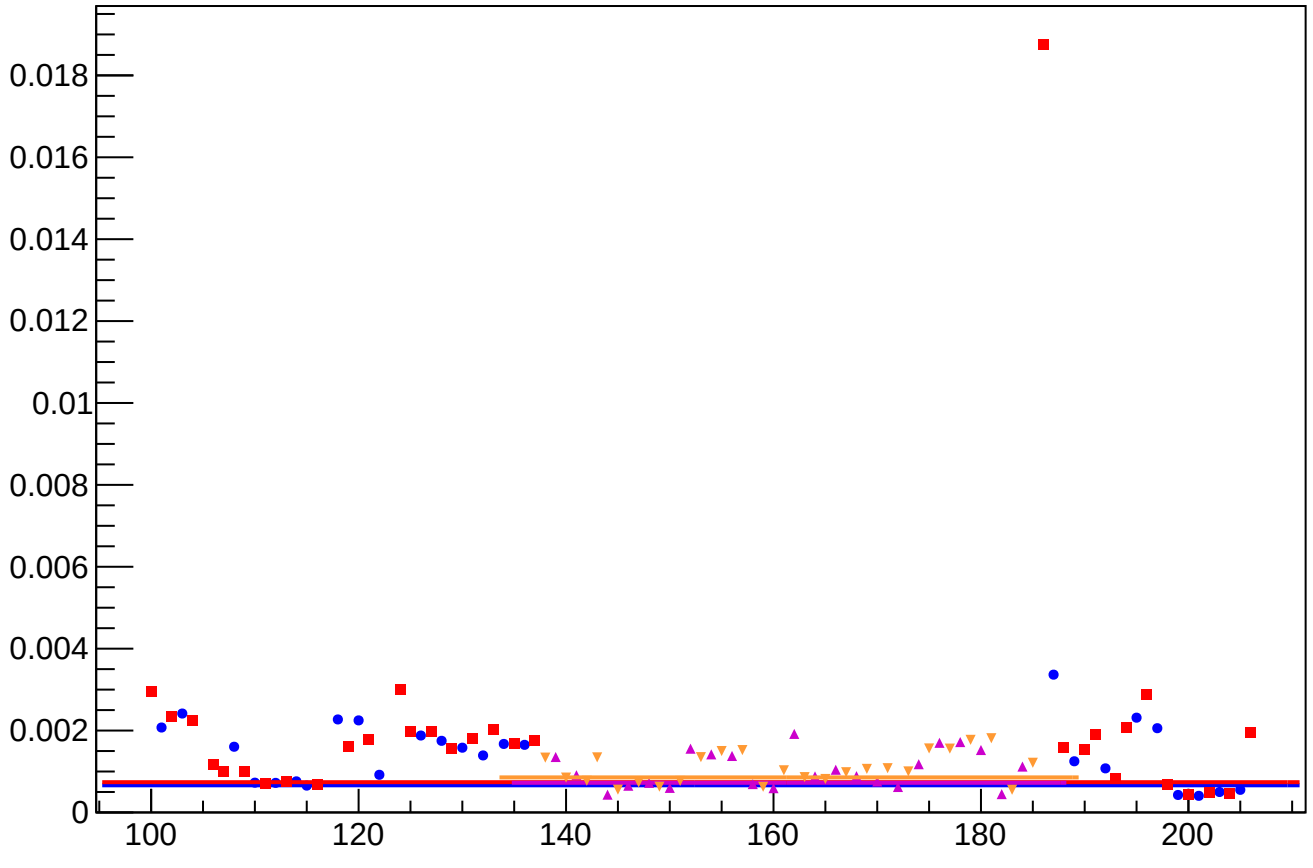
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.2/55

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:64.9/55

All: 0.000+/-0.000 χ^2/NDF: 107.3/103



Right In: 0.001+/-0.000 χ^2/NDF: 8320257.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9542500.8/30

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

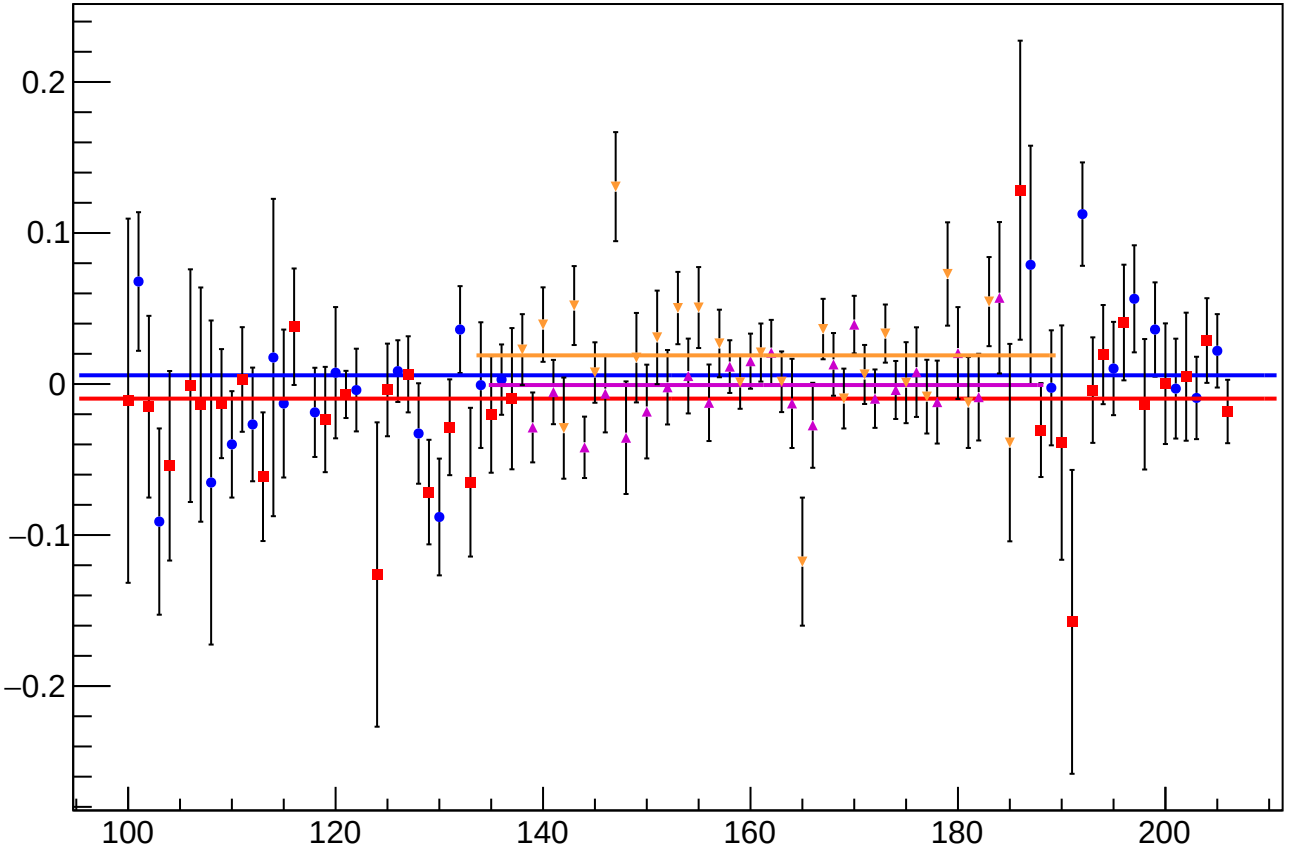
Right: 0.001+/-0.000 χ^2/NDF: 17977866.8/55

In: 0.001+/-0.000 χ^2/NDF:14218942.5/47

Out: 0.001+/-0.000 χ^2/NDF:14262948.0/55

All: 0.001+/-0.000 χ^2/NDF: 28961941.9/103

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

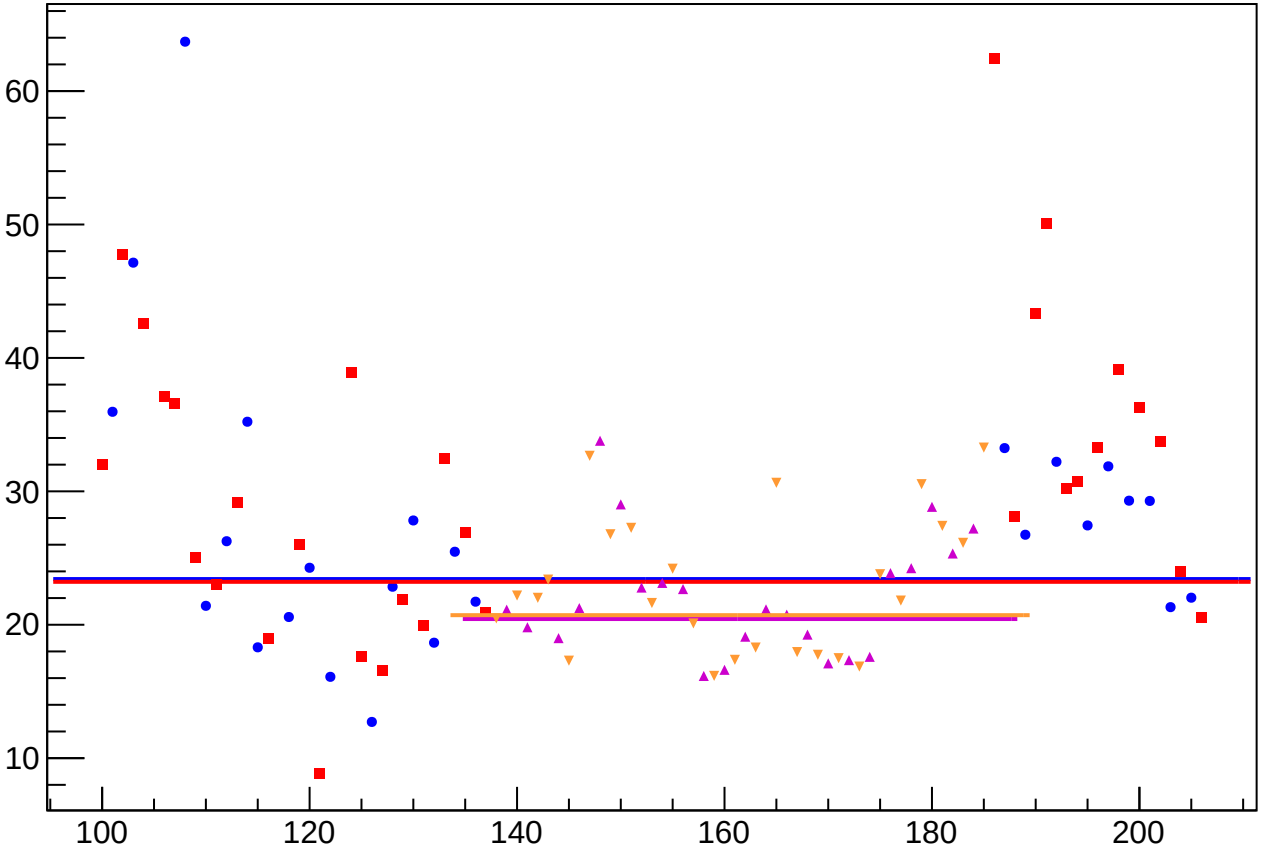
Right: -0.002+/-0.005 χ^2/NDF: 53.7/55

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.5/103

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

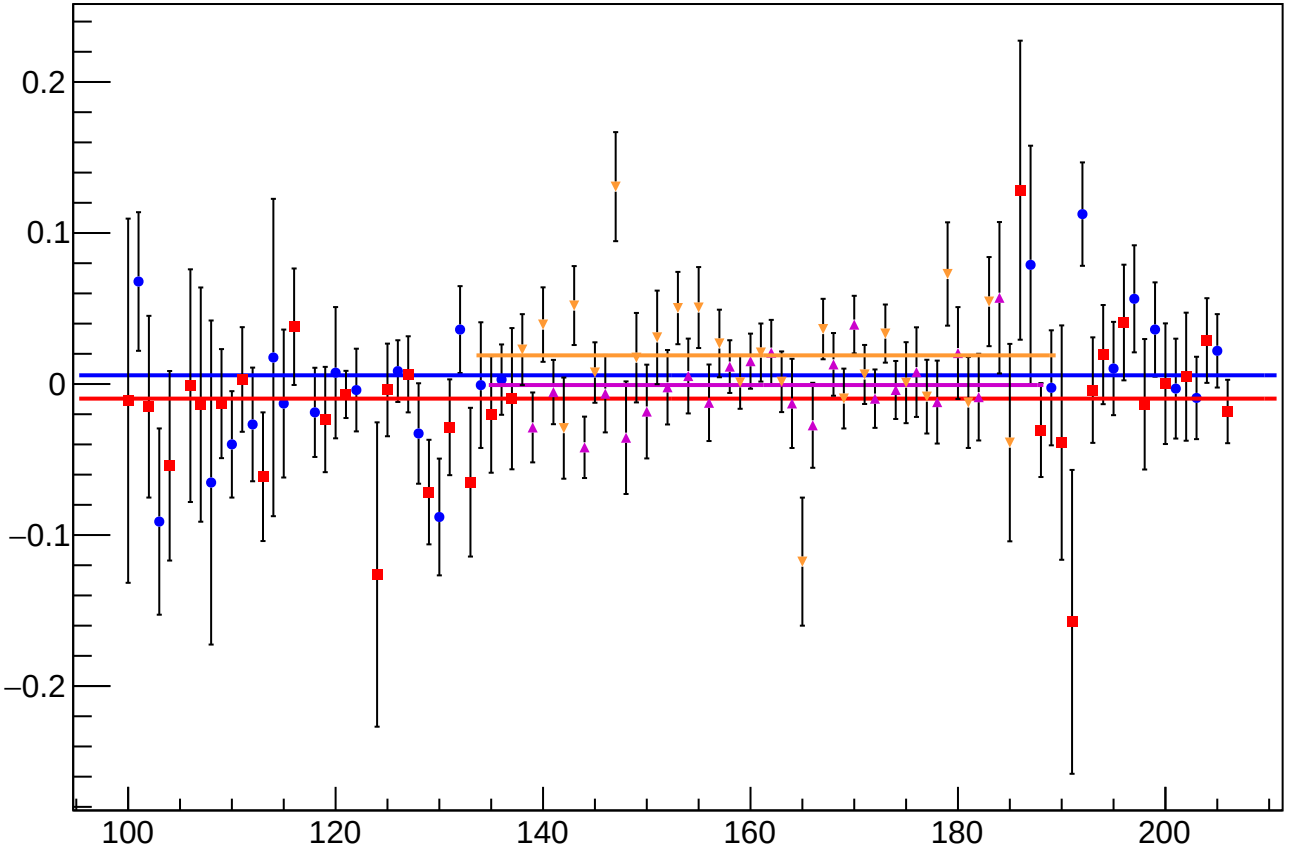
Right: 23.317+/-0.003 χ^2/NDF: 6488751.5/55

In: 21.473+/-0.003 χ^2/NDF:3508237.8/47

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.549+/-0.002 χ^2/NDF: 9617075.4/103

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

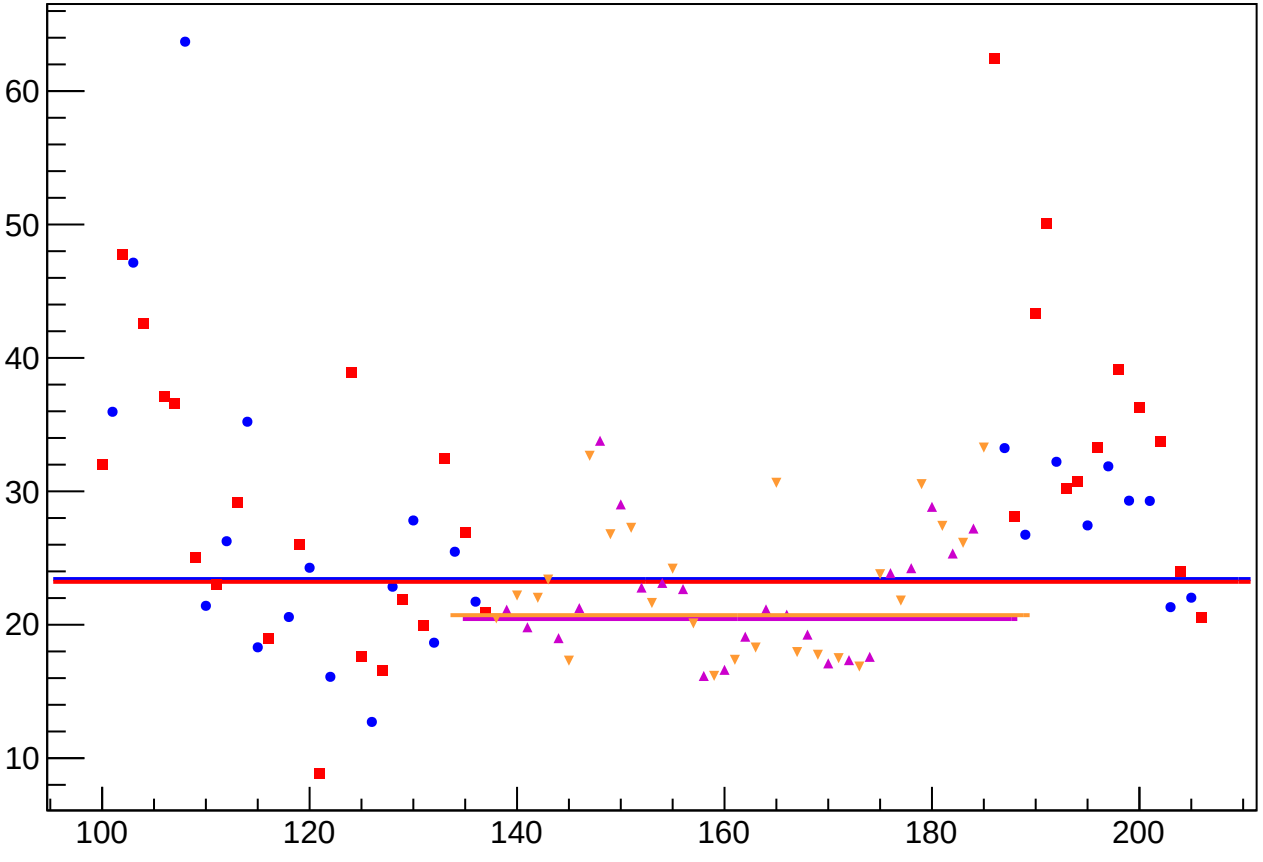
Right: -0.002+/-0.005 χ^2/NDF: 53.7/55

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.5/103

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

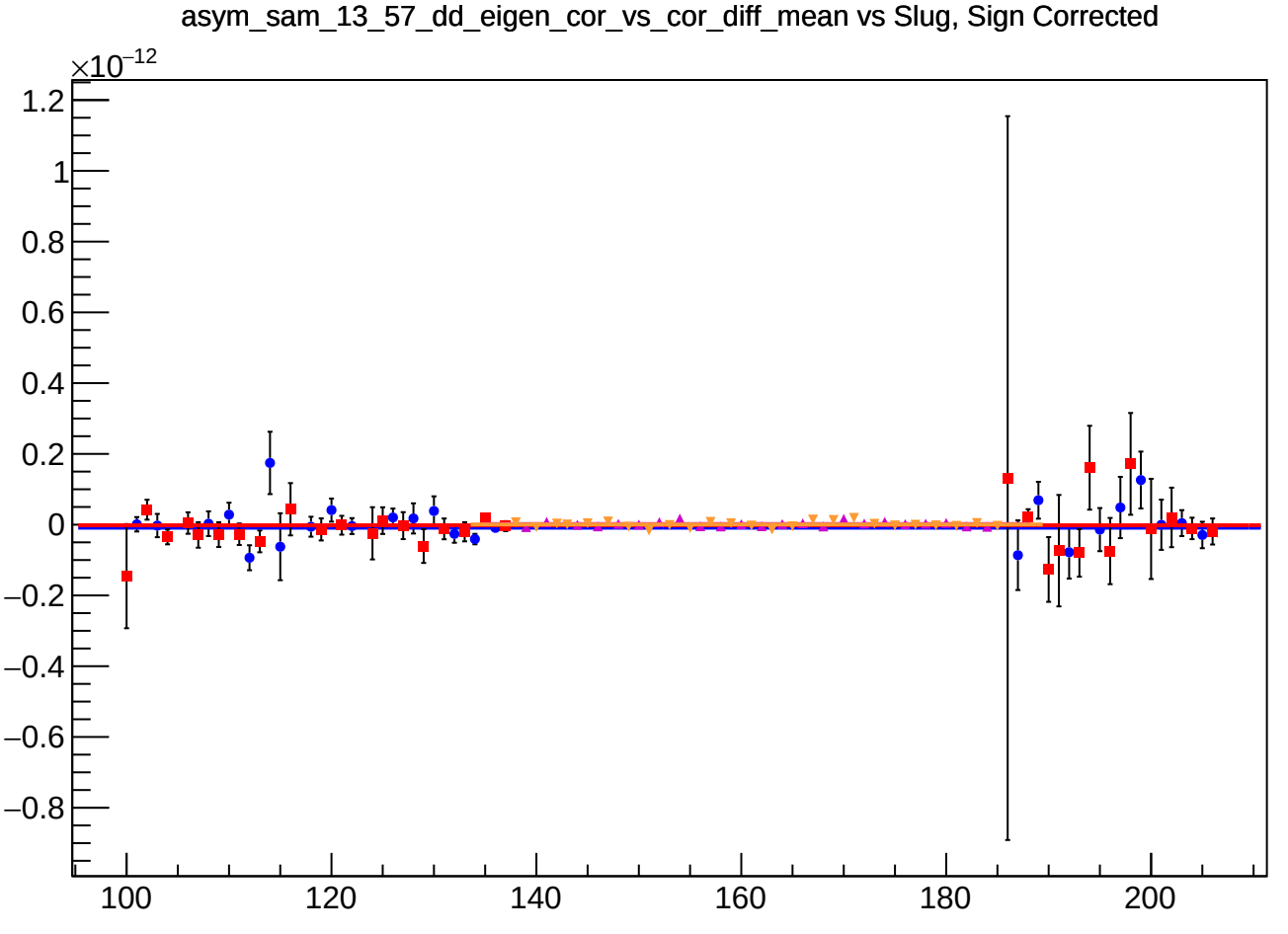
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.317+/-0.003 χ^2/NDF: 6488751.5/55

In: 21.473+/-0.003 χ^2/NDF:3508237.8/47

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.549+/-0.002 χ^2/NDF: 9617075.4/103



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

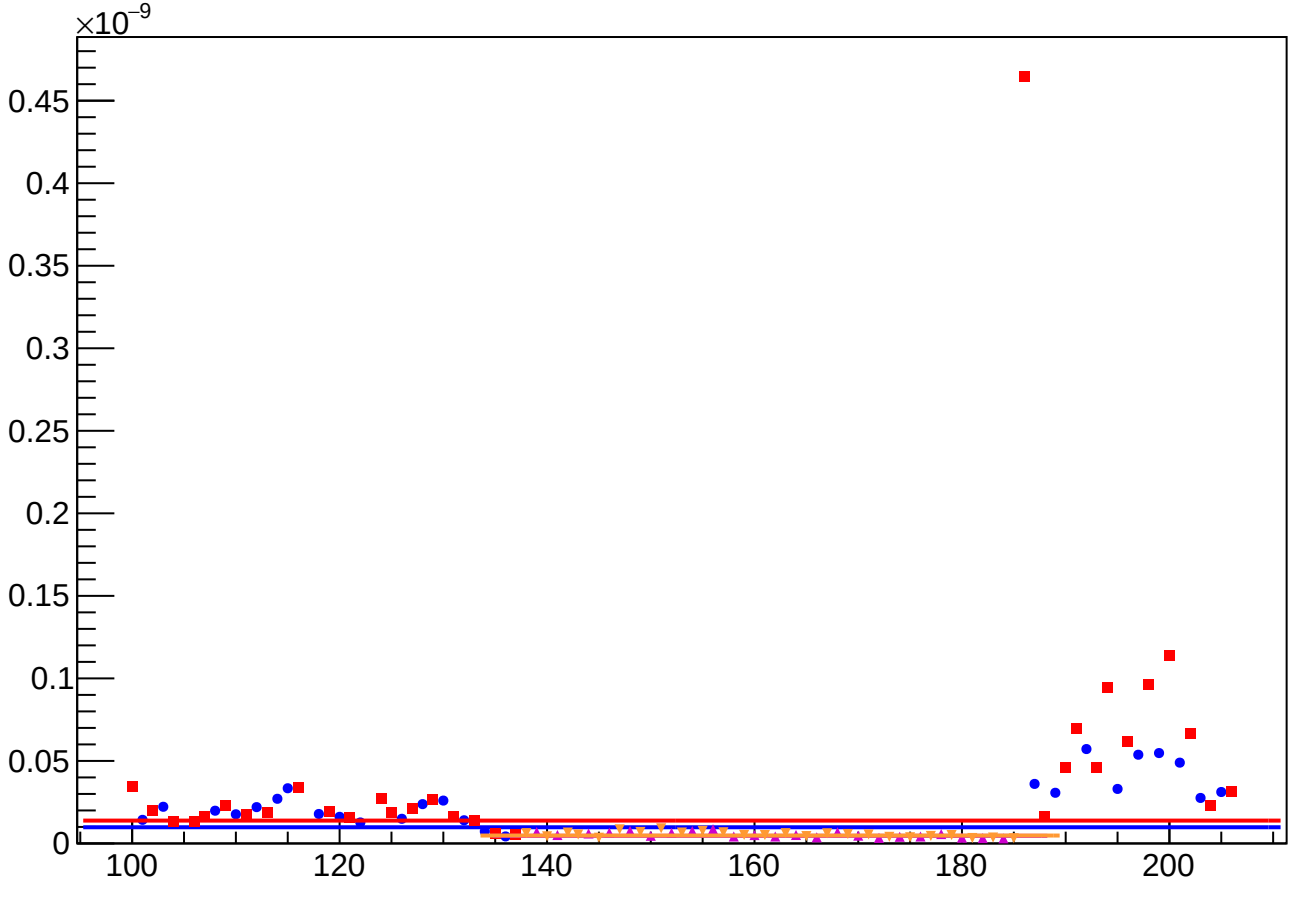
Right: -0.000+/-0.000 χ^2/NDF: 56.6/55

In: 0.000+/-0.000 χ^2/NDF:55.4/47

Out: 0.000+/-0.000 χ^2/NDF:54.9/55

All: 0.000+/-0.000 χ^2/NDF: 110.4/103

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8391237.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8817164.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

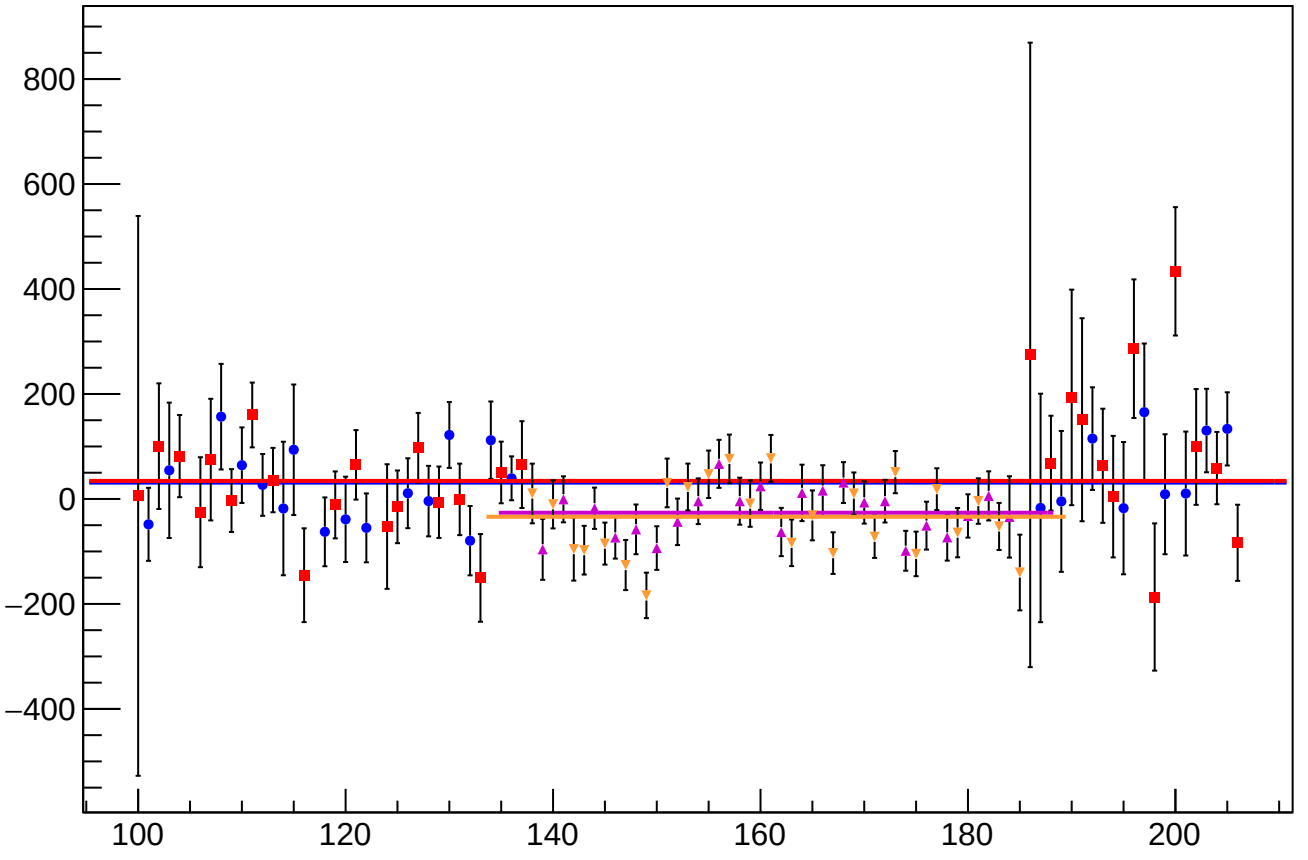
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17898507.0/55

In: 0.000+/-0.000 χ^2/NDF:12893852.5/47

Out: 0.000+/-0.000 χ^2/NDF:16419208.7/55

All: 0.000+/-0.000 χ^2/NDF: 29357083.7/103



Right In: 31.166+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.412+/-15.214 χ^2/NDF: 39.4/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

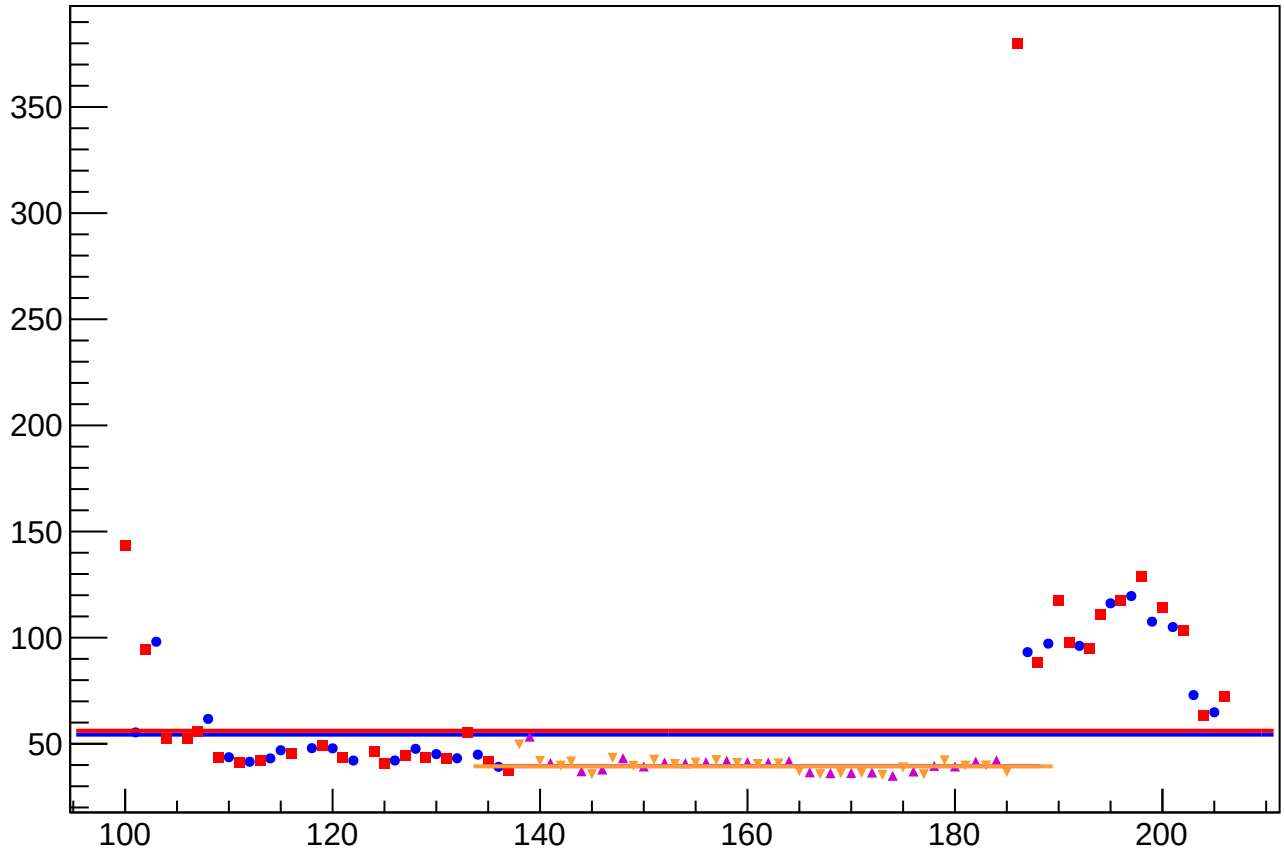
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.833+/-10.903 χ^2/NDF: 59.8/55

In: -11.322+/-7.975 χ^2/NDF:52.8/47

Out: -16.252+/-7.742 χ^2/NDF:113.1/55

All: -13.860+/-5.555 χ^2/NDF: 166.1/103



Right In: 54.311+/-0.011 χ^2/NDF: 3557862.1/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.165+/-0.011 χ^2/NDF: 4969388.0/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

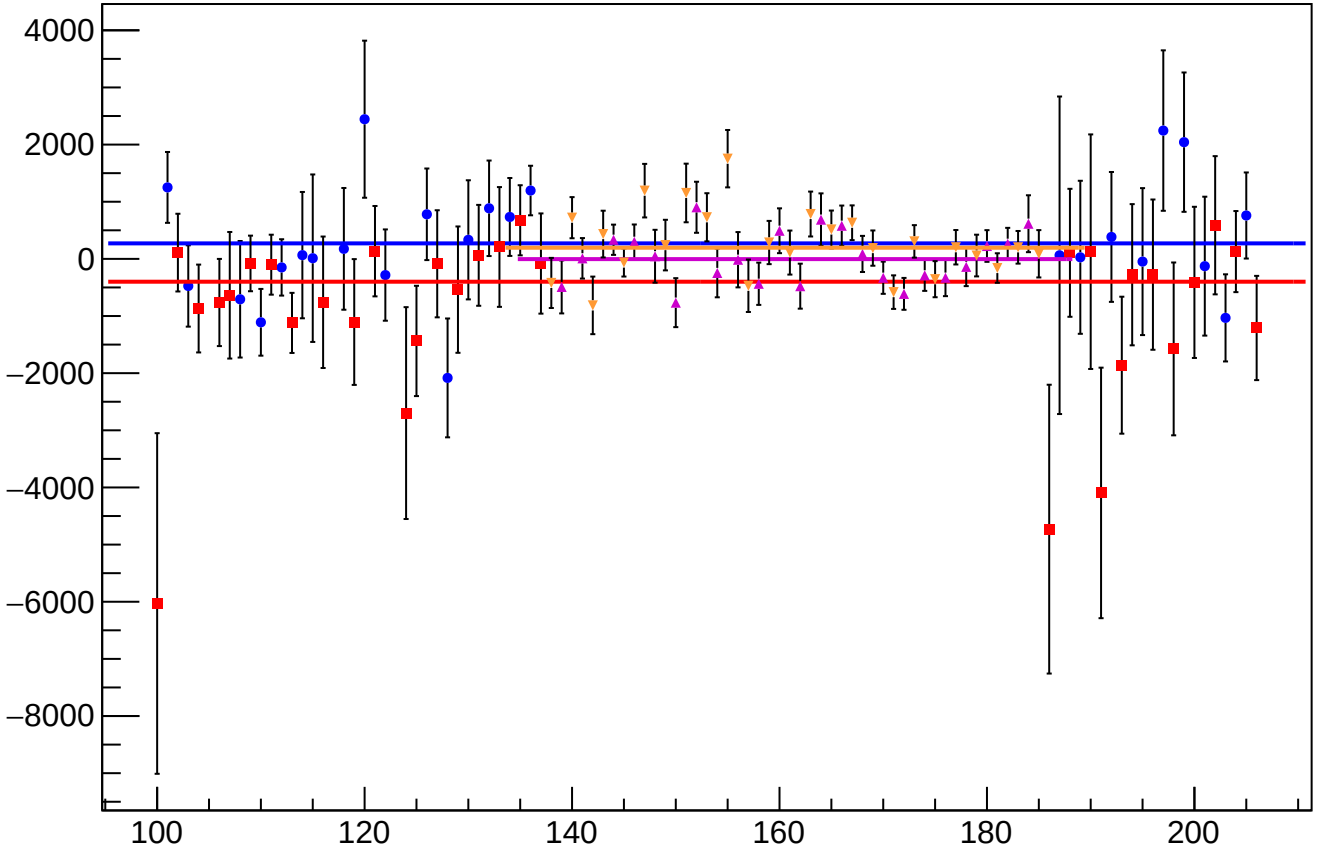
Right: 55.263+/-0.008 χ^2/NDF: 8541690.9/55

In: 43.347+/-0.006 χ^2/NDF:5139406.2/47

Out: 43.728+/-0.005 χ^2/NDF:7001587.6/55

All: 43.543+/-0.004 χ^2/NDF: 12143344.7/103

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 271.289+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -399.507+/-160.453 χ^2/NDF: 25.2/30

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

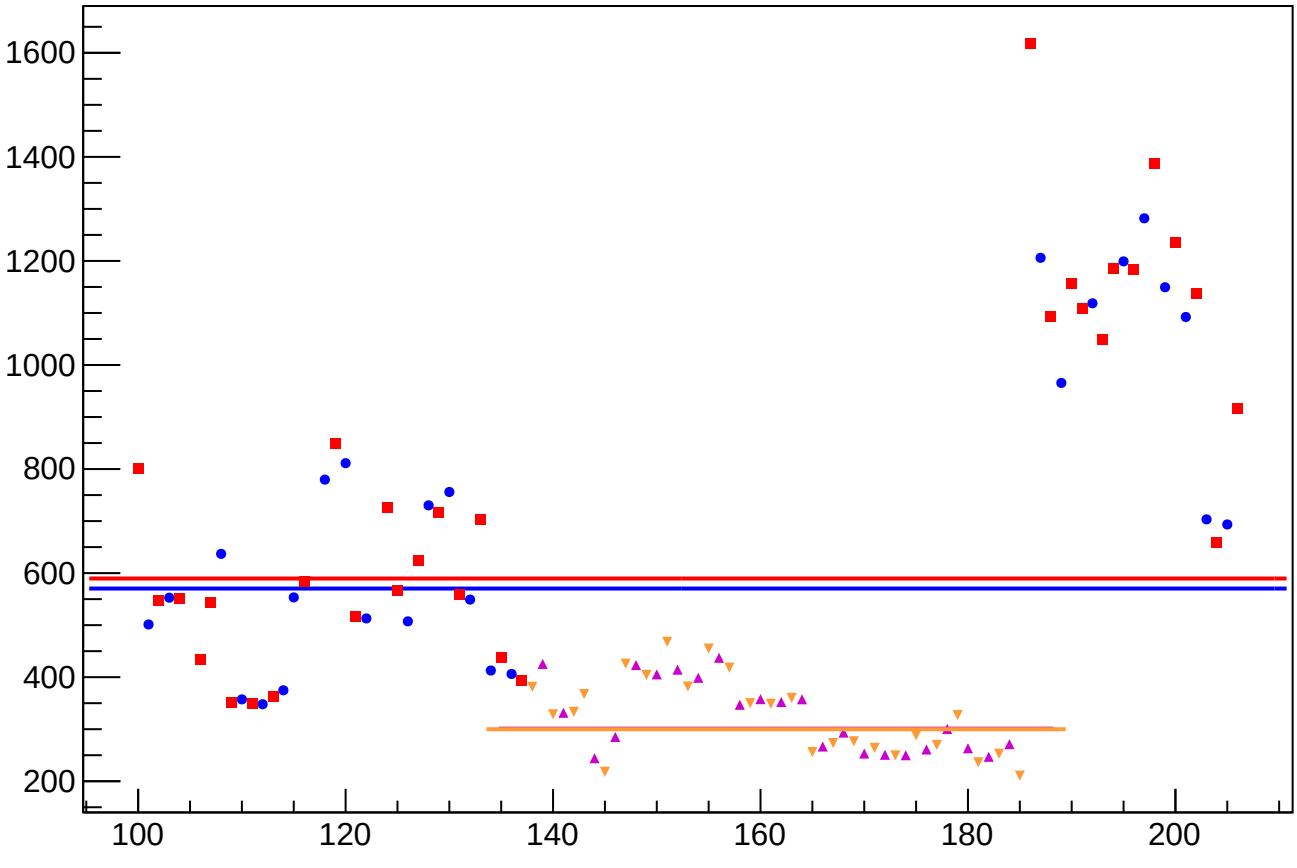
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -74.267+/-115.163 χ^2/NDF: 66.3/55

In: 39.828+/-66.001 χ^2/NDF:67.3/47

Out: 99.754+/-64.232 χ^2/NDF:85.3/55

All: 70.605+/-46.031 χ^2/NDF: 153.0/103



Right In: 570.342+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 589.619+/-0.113 χ^2/NDF: 5684544.9/30

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

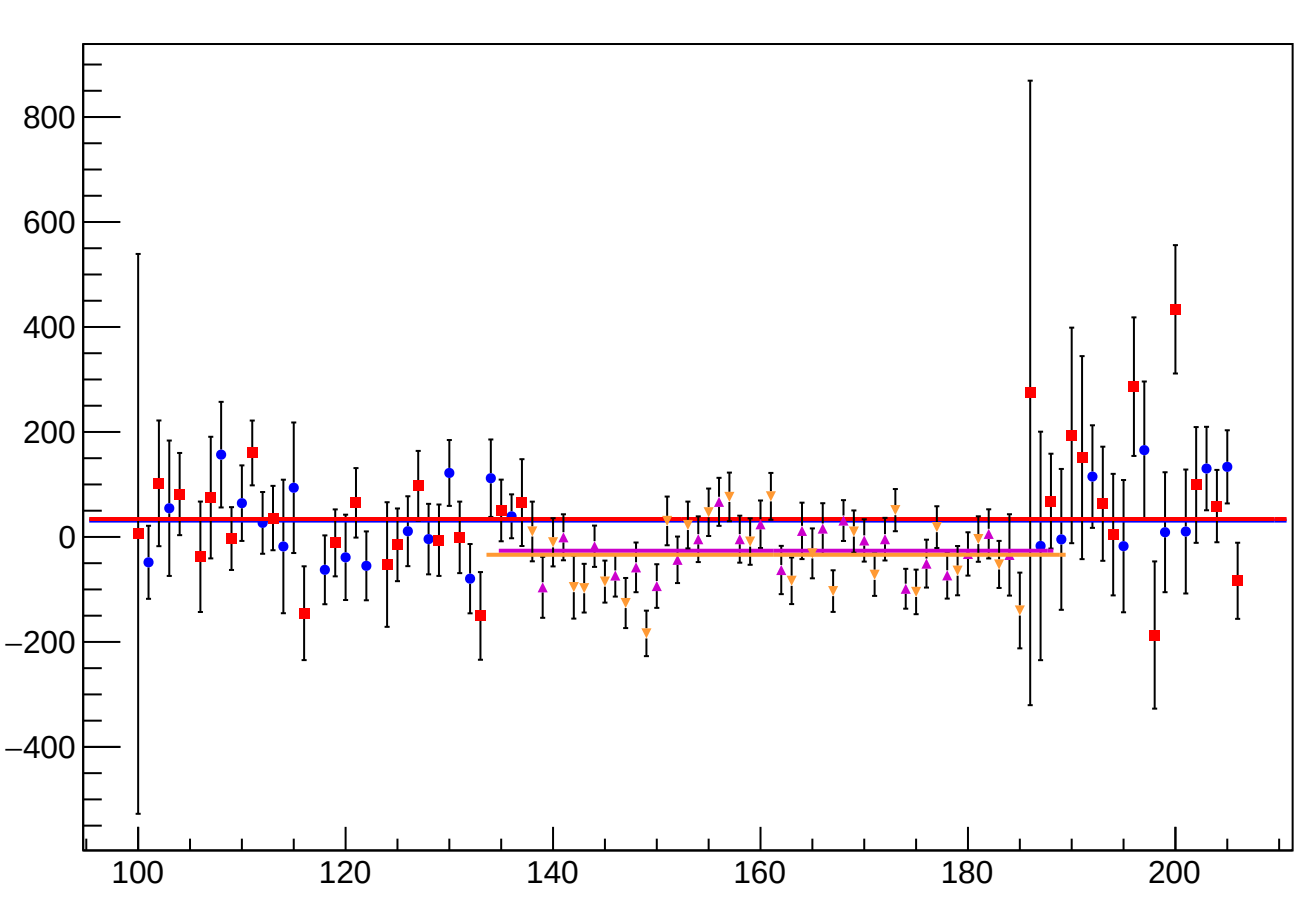
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 580.273+/-0.081 χ^2/NDF: 9806868.9/55

In: 343.893+/-0.047 χ^2/NDF:9975116.9/47

Out: 346.392+/-0.045 χ^2/NDF:12965817.2/55

All: 345.177+/-0.033 χ^2/NDF: 22942406.1/10



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.186+/-15.216 χ^2/NDF: 39.6/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

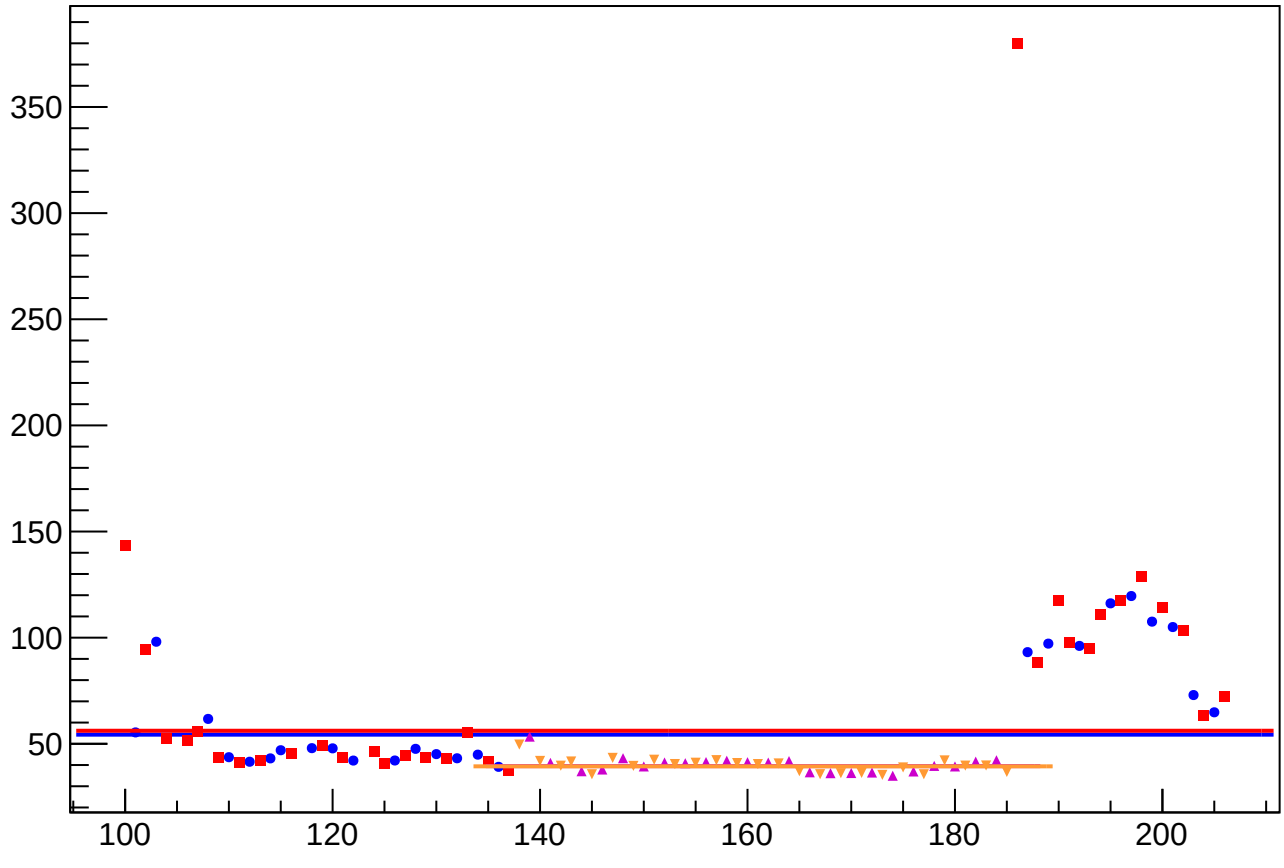
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.719+/-10.904 χ^2/NDF: 60.0/55

In: -11.321+/-7.975 χ^2/NDF:52.8/47

Out: -16.313+/-7.742 χ^2/NDF:113.2/55

All: -13.891+/-5.555 χ^2/NDF: 166.2/103



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

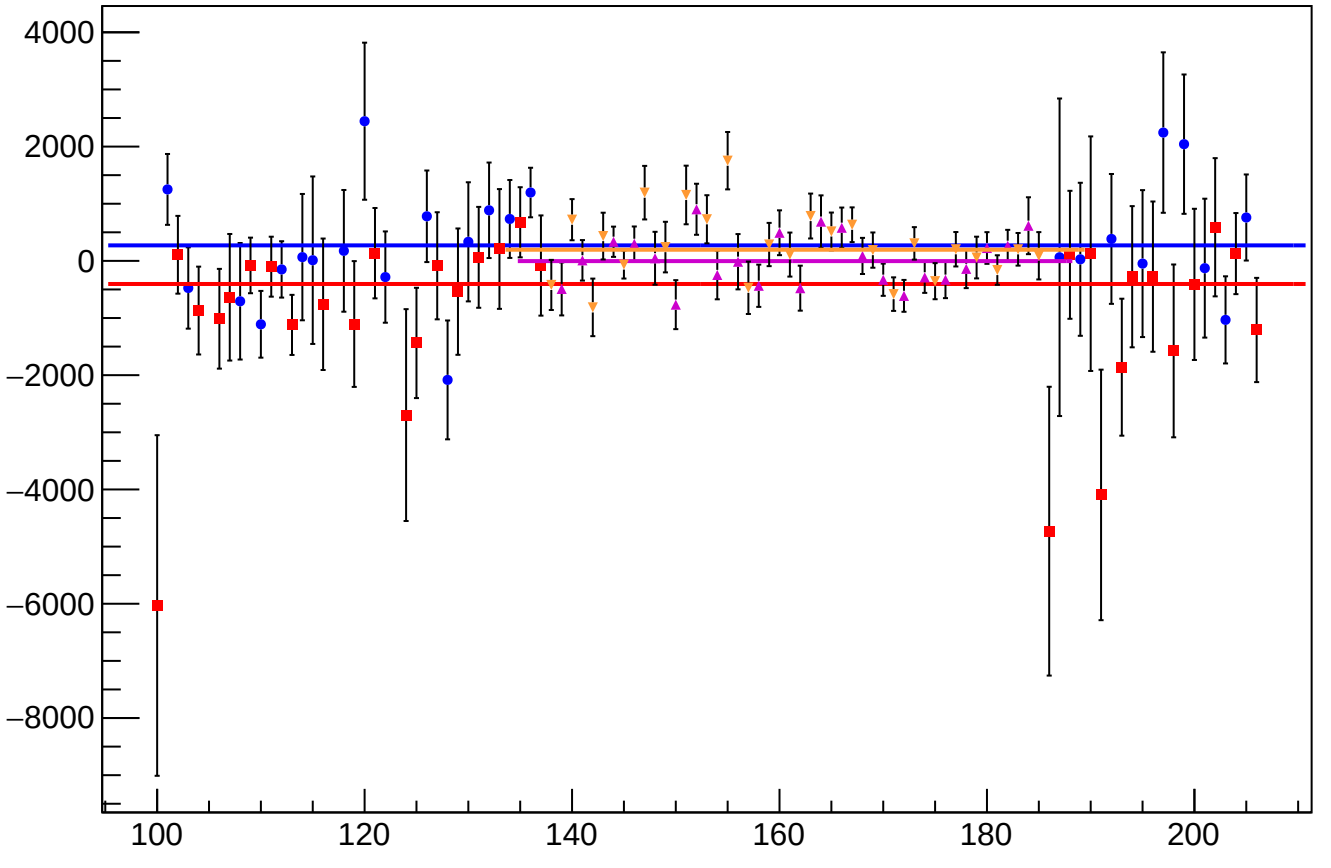
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.255+/-0.008 χ^2/NDF: 8542846.1/55

In: 43.347+/-0.006 χ^2/NDF:5139409.2/47

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.541+/-0.004 χ^2/NDF: 12140923.5/103



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

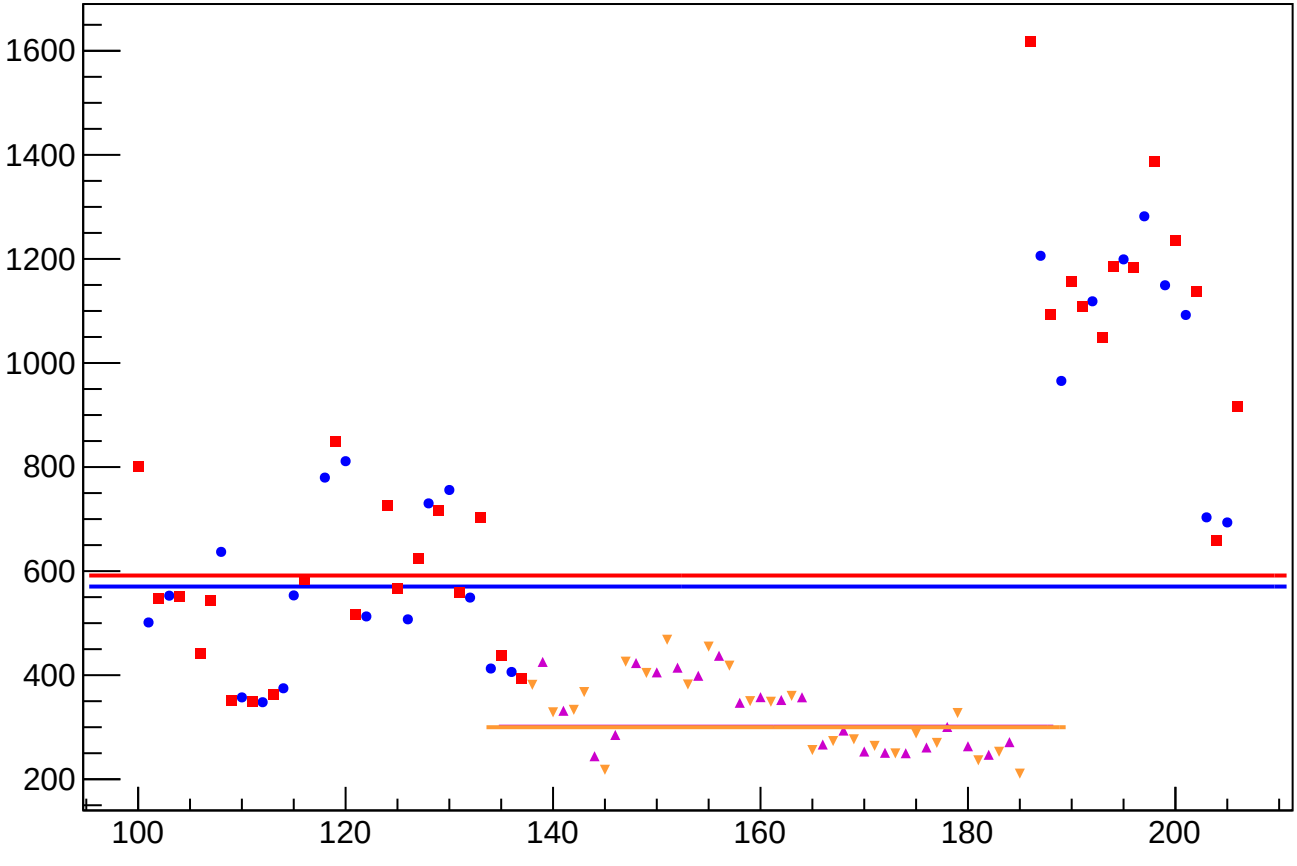
Right: -74.995+/-115.477 χ^2/NDF: 66.6/55

In: 39.829+/-66.001 χ^2/NDF:67.3/47

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 70.615+/-46.051 χ^2/NDF: 153.4/103

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

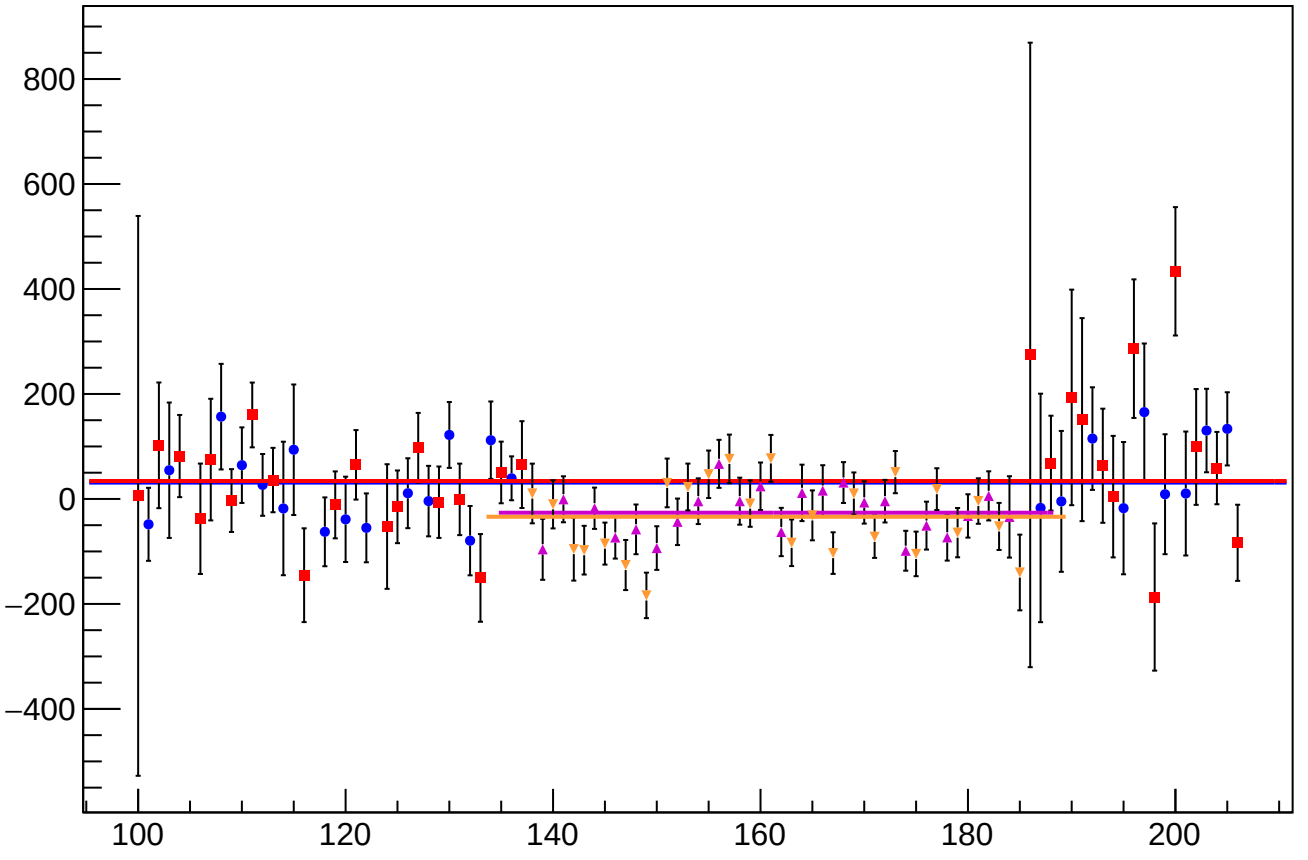
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 581.207+/-0.082 χ^2/NDF: 9783792.1/55

In: 343.893+/-0.047 χ^2/NDF:9975178.9/47

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 345.121+/-0.033 χ^2/NDF: 22940008.0/10



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.186+/-15.216 χ^2/NDF: 39.6/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

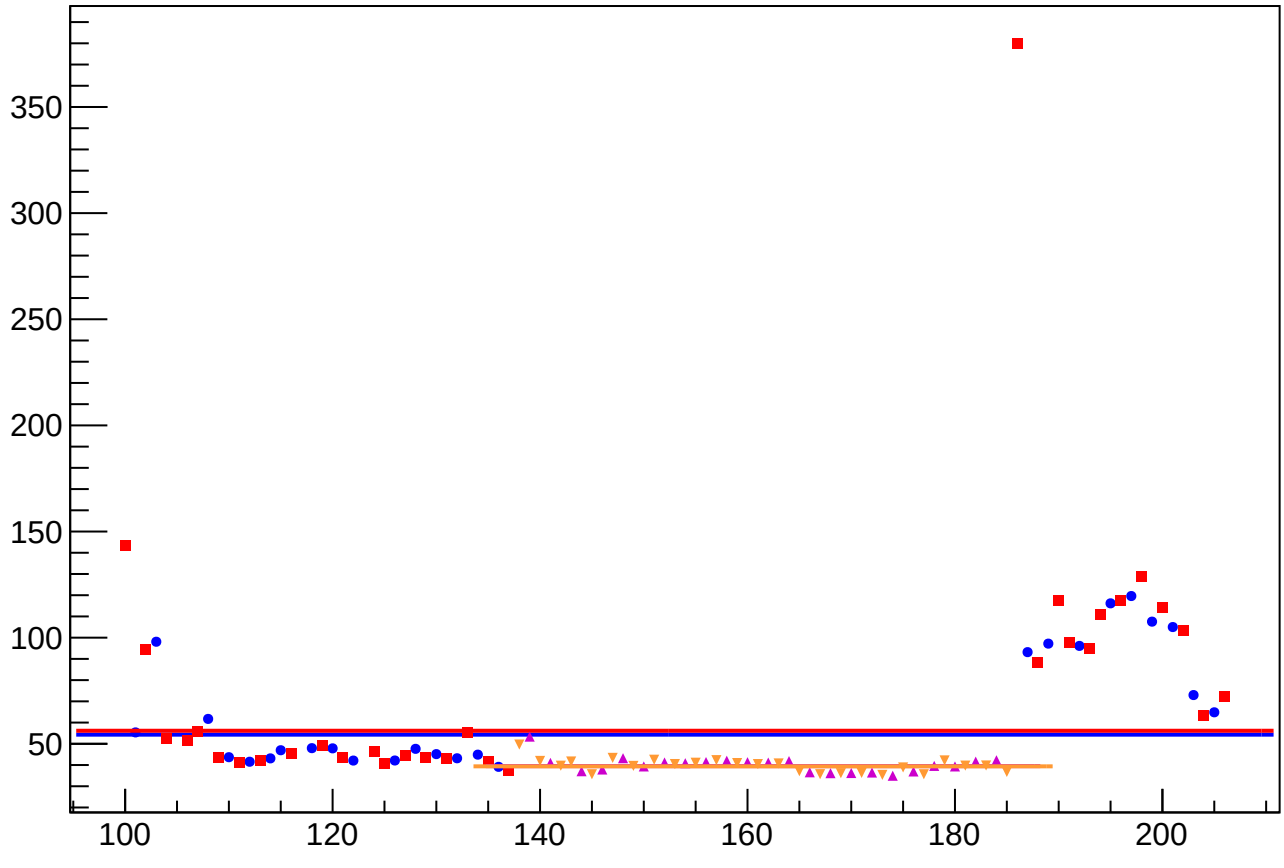
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.719+/-10.904 χ^2/NDF: 60.0/55

In: -11.321+/-7.975 χ^2/NDF:52.8/47

Out: -16.313+/-7.742 χ^2/NDF:113.2/55

All: -13.891+/-5.555 χ^2/NDF: 166.2/103



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

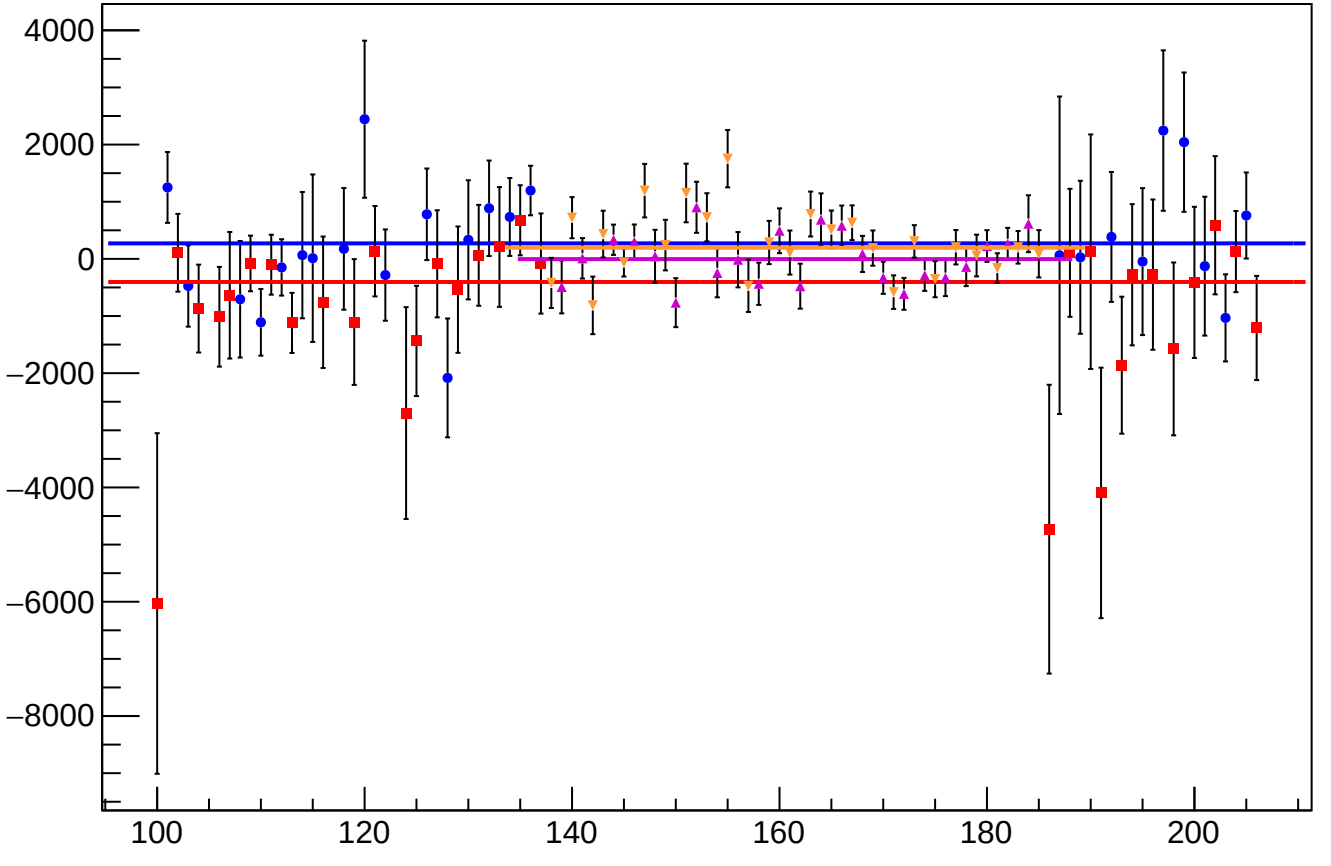
Right: 55.255+/-0.008 χ^2/NDF: 8542846.1/55

In: 43.347+/-0.006 χ^2/NDF:5139409.2/47

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.541+/-0.004 χ^2/NDF: 12140923.5/103

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

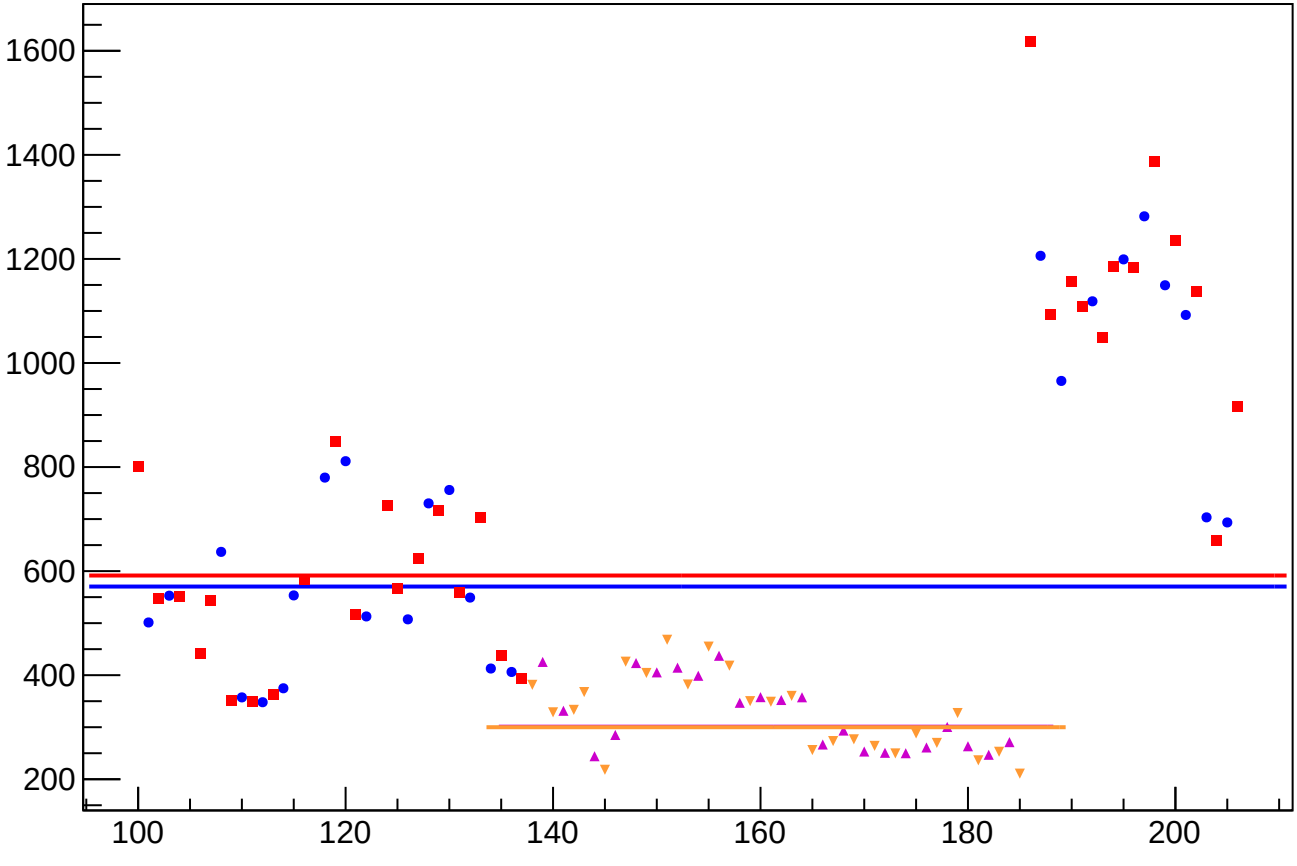
Right: -74.995+/-115.477 χ^2/NDF: 66.6/55

In: 39.829+/-66.001 χ^2/NDF:67.3/47

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 70.615+/-46.051 χ^2/NDF: 153.4/103

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

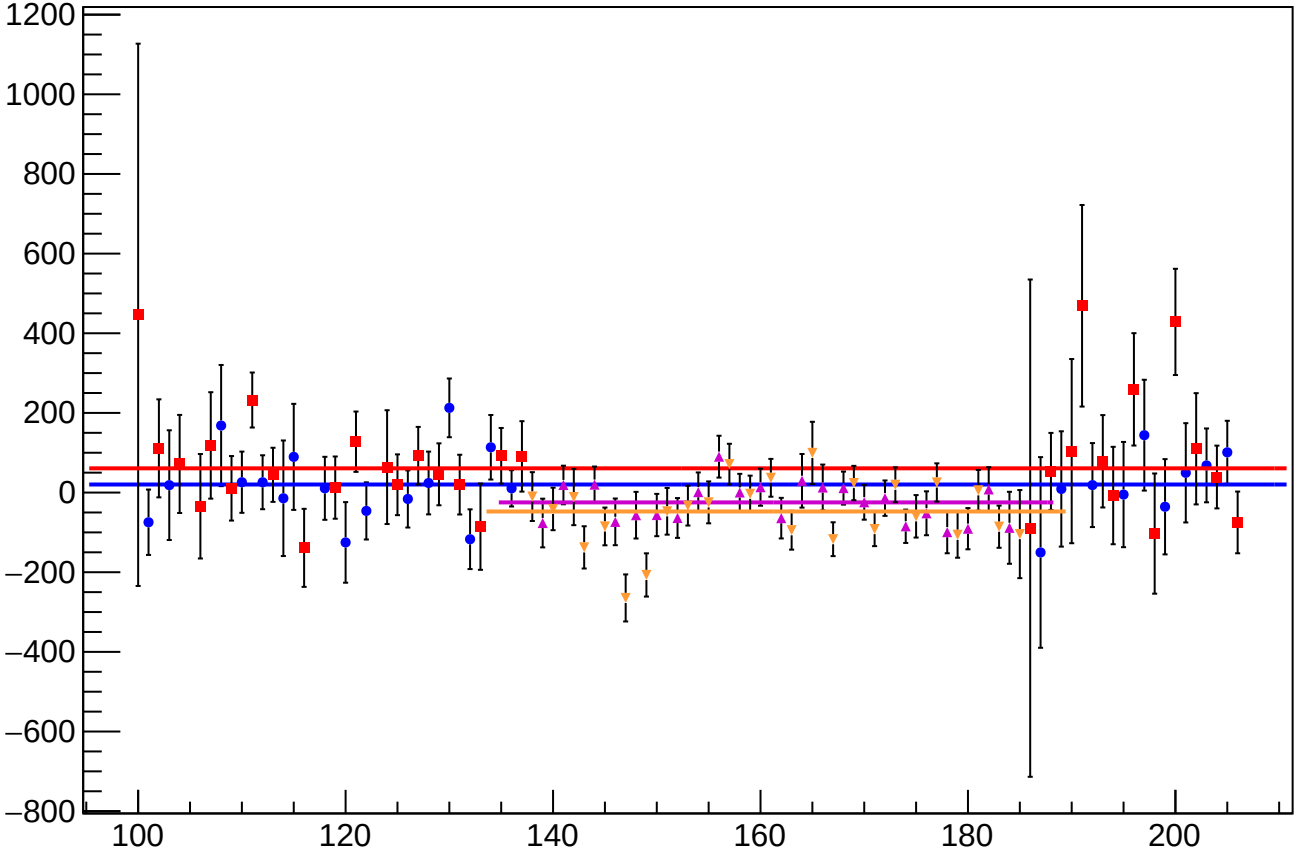
Right: 581.207+/-0.082 χ^2/NDF: 9783792.1/55

In: 343.893+/-0.047 χ^2/NDF:9975178.9/47

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 345.121+/-0.033 χ^2/NDF: 22940008.0/10

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.854+/-17.523 χ^2/NDF: 33.2/30

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

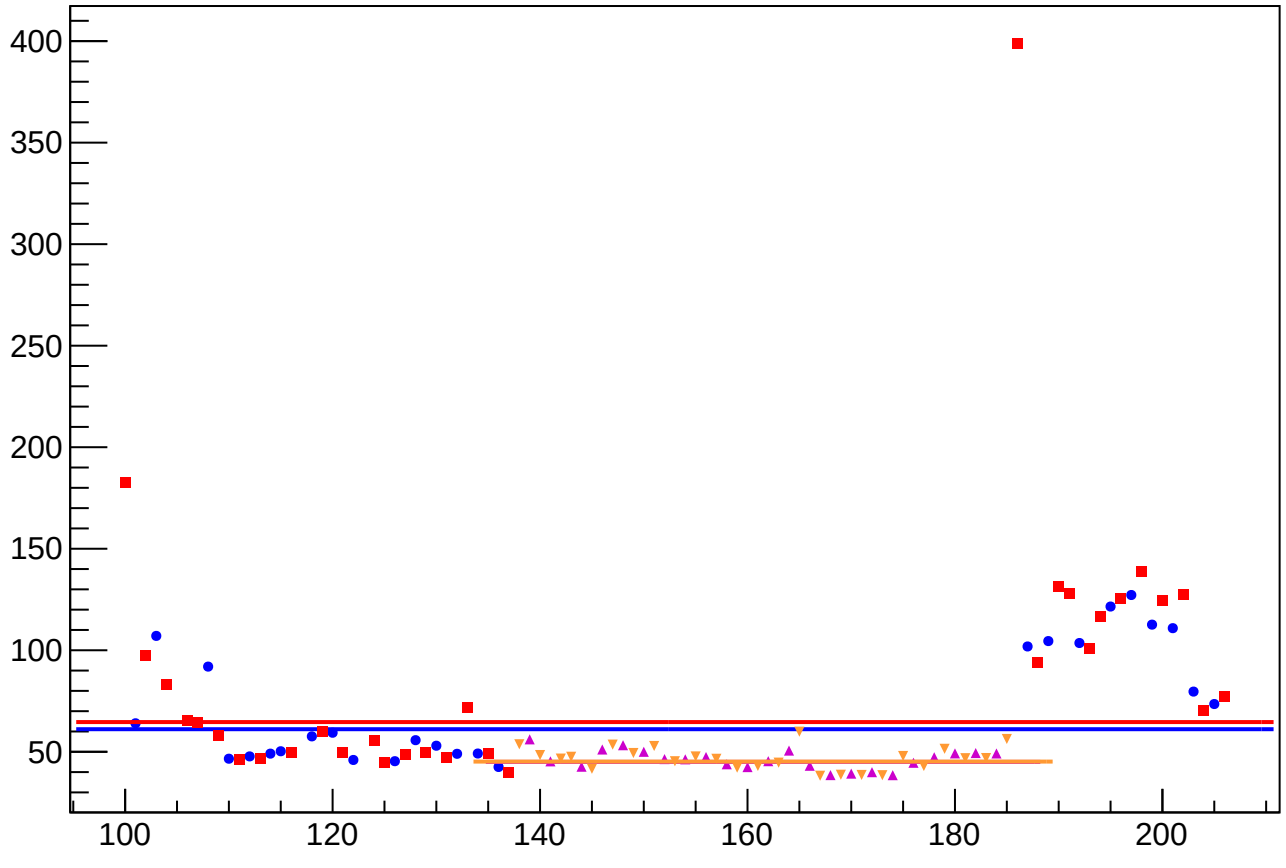
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 40.699+/-12.433 χ^2/NDF: 56.1/55

In: -12.666+/-9.124 χ^2/NDF:44.7/47

Out: -19.291+/-8.938 χ^2/NDF:116.1/55

All: -16.047+/-6.385 χ^2/NDF: 161.1/103



Right In: 61.123+/-0.012 χ^2/NDF: 3386285.7/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701817.7/30

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

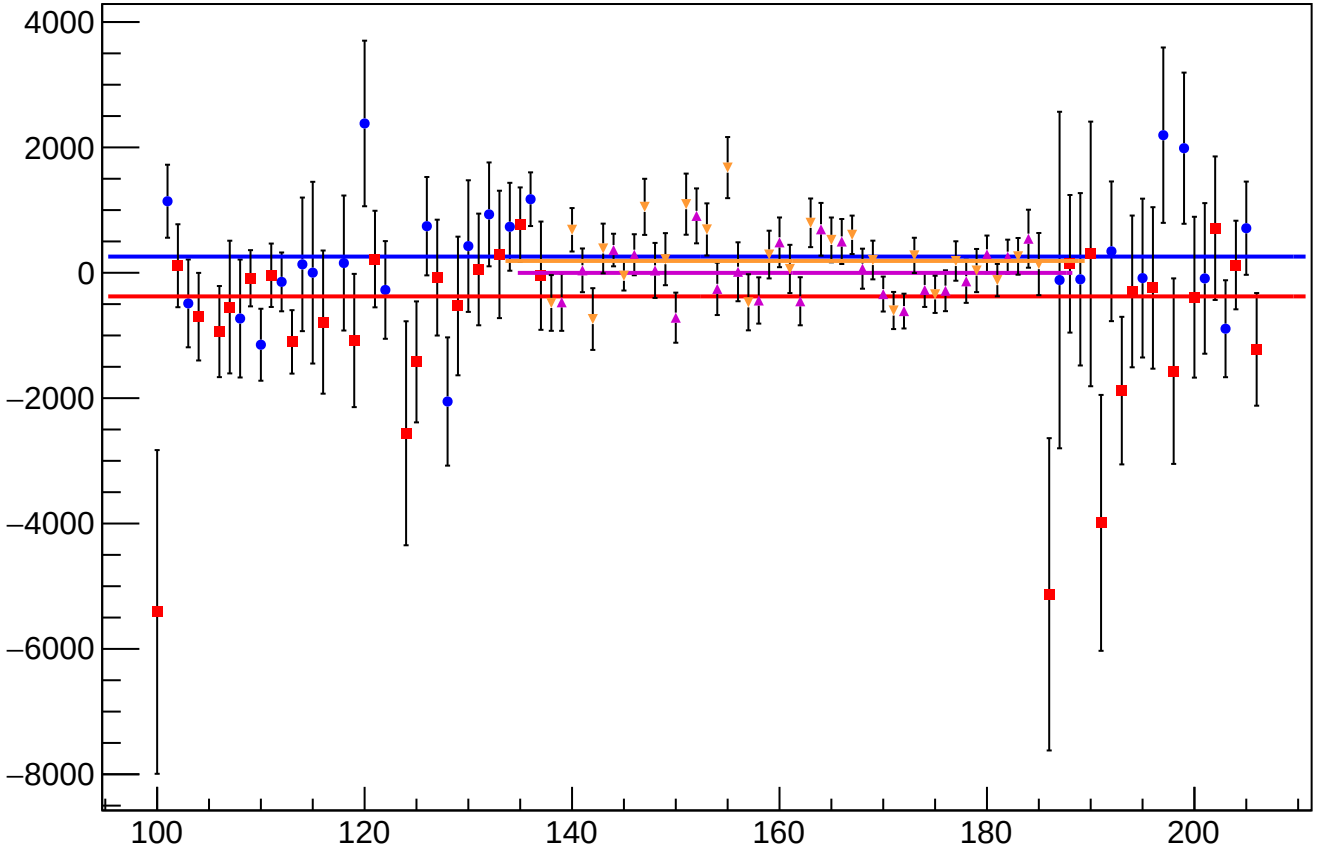
Right: 62.893+/-0.009 χ^2/NDF: 8128083.1/55

In: 49.324+/-0.006 χ^2/NDF:4979785.2/47

Out: 50.239+/-0.006 χ^2/NDF:7017123.7/55

All: 49.791+/-0.005 χ^2/NDF: 12007177.5/103

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 258.328+/-162.144 χ^2/NDF: 32.4/24

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -376.829+/-154.856 χ^2/NDF: 28.3/30

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

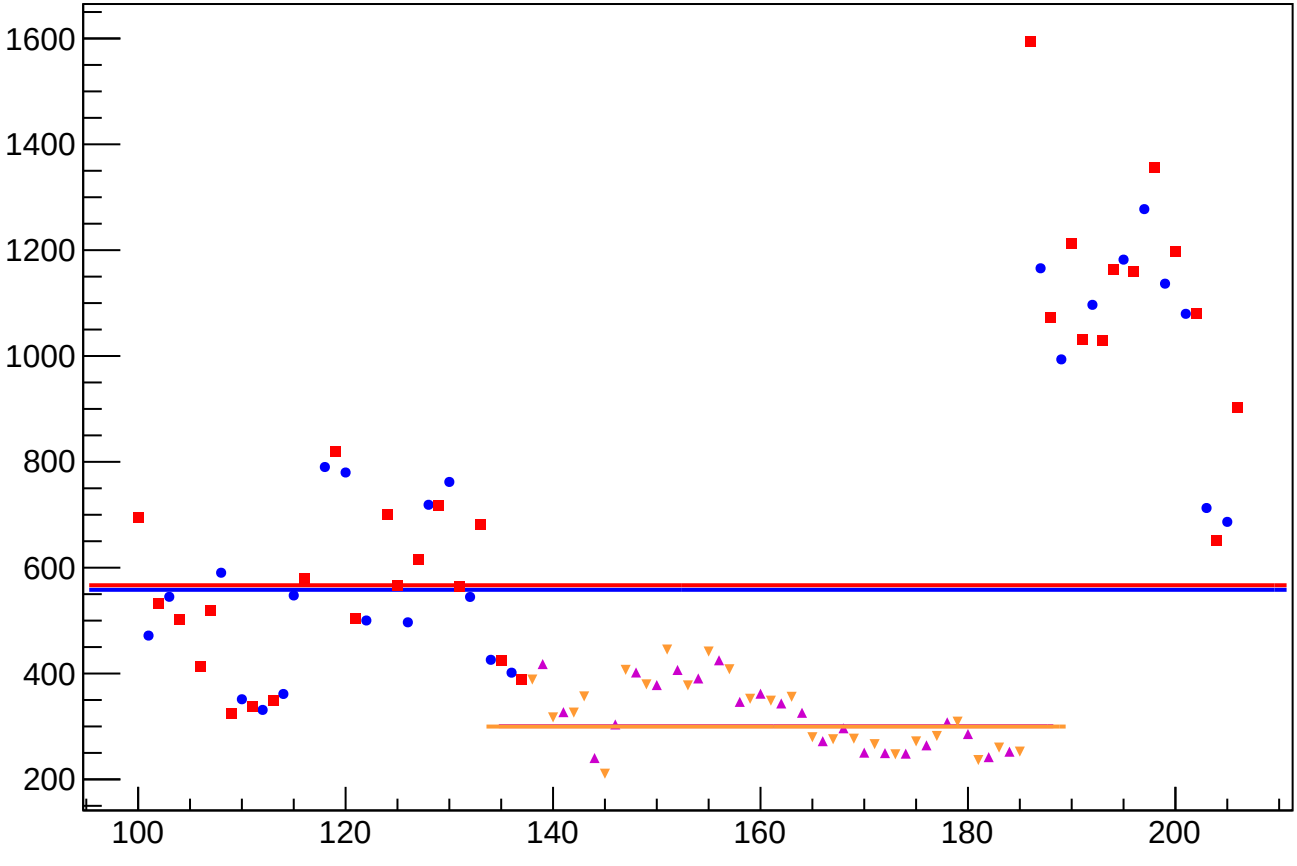
Right: -73.846+/-111.987 χ^2/NDF: 68.7/55

In: 40.880+/-65.584 χ^2/NDF:66.8/47

Out: 93.494+/-63.569 χ^2/NDF:86.1/55

All: 68.008+/-45.646 χ^2/NDF: 153.2/103

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 558.193+/-0.115 χ^2/NDF: 4240720.8/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 566.814+/-0.109 χ^2/NDF: 5927137.9/30

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

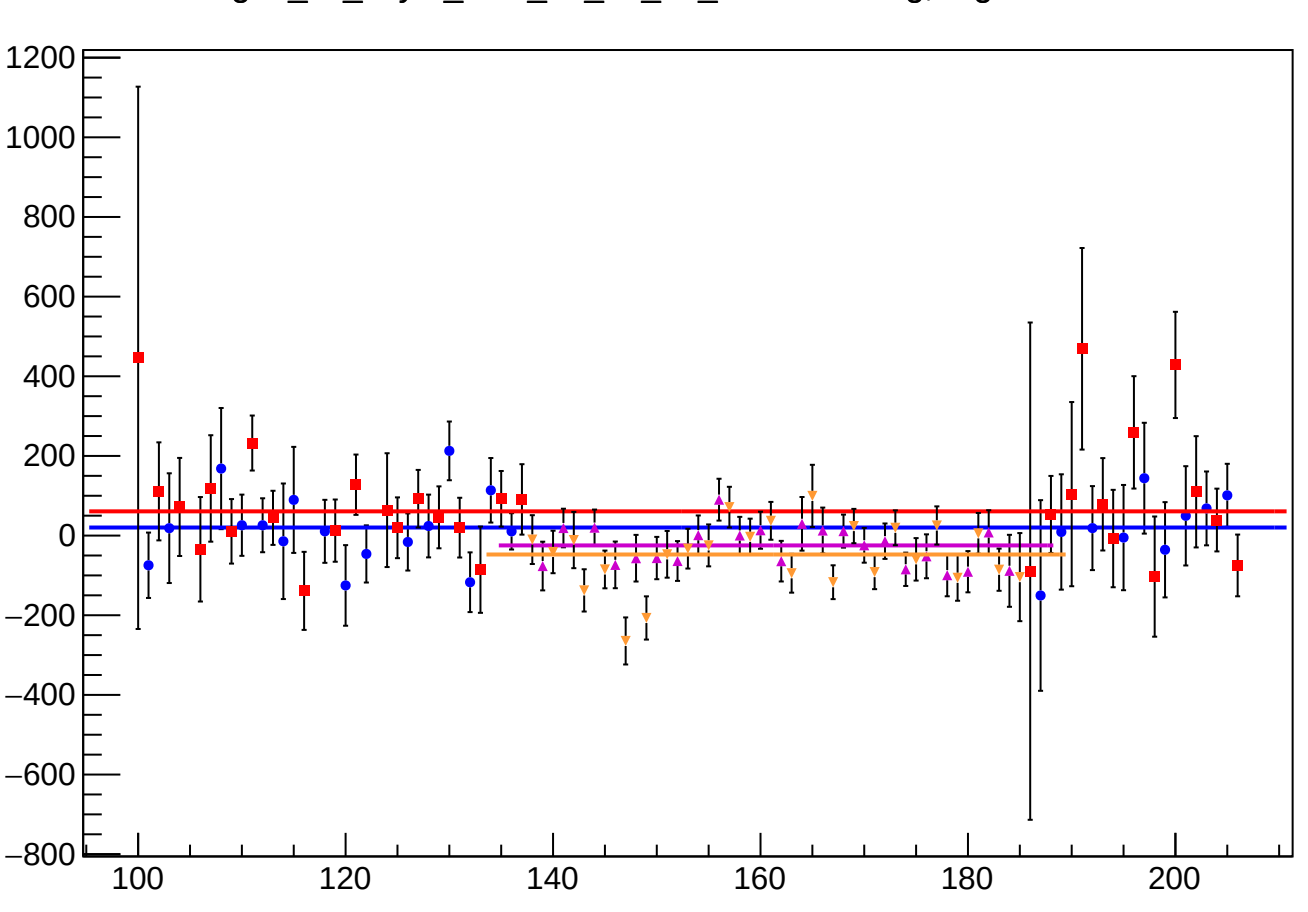
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 562.701+/-0.079 χ^2/NDF: 10170815.5/55

In: 342.697+/-0.046 χ^2/NDF:9723729.8/47

Out: 344.794+/-0.045 χ^2/NDF:12448846.1/55

All: 343.778+/-0.032 χ^2/NDF: 22173630.4/10



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.855+/-17.523 χ^2/NDF: 33.2/30

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

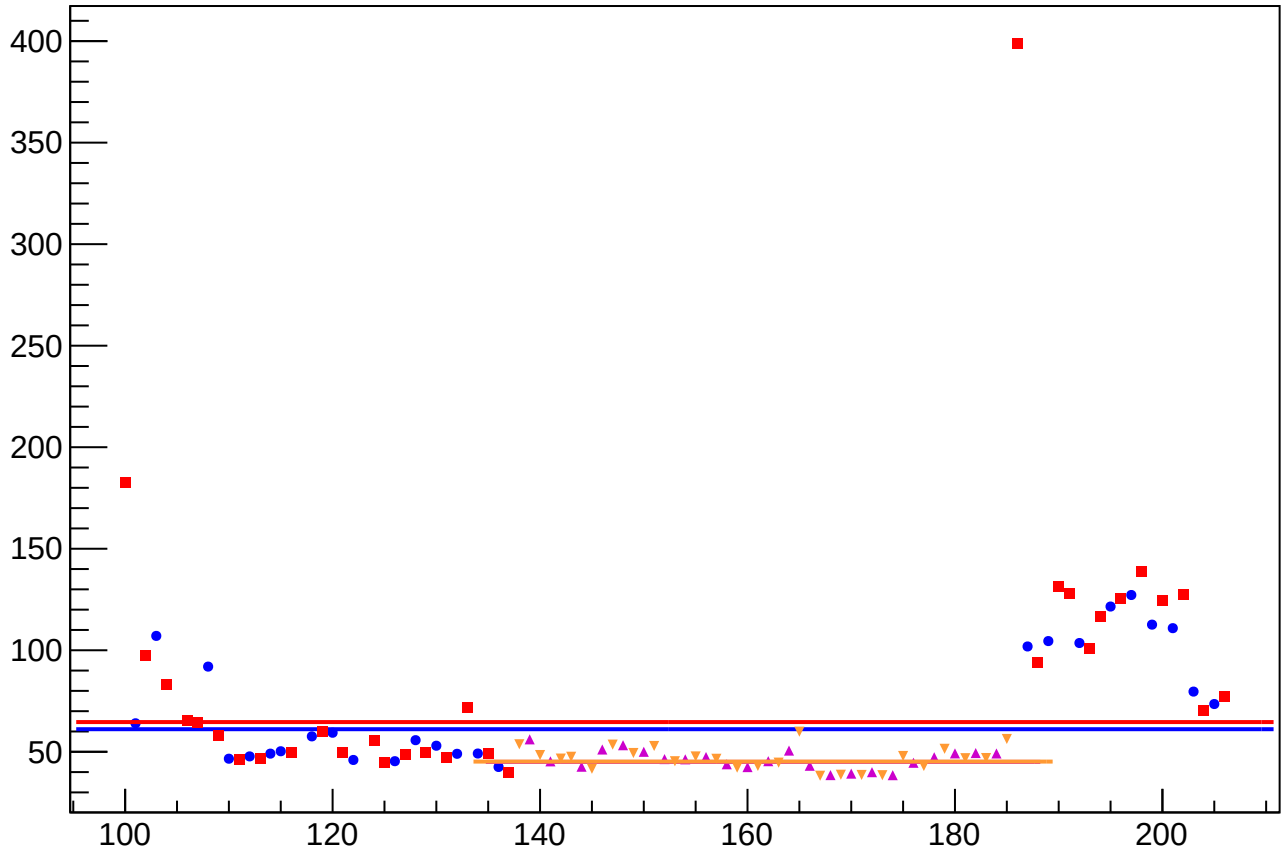
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 40.699+/-12.433 χ^2/NDF: 56.1/55

In: -12.667+/-9.124 χ^2/NDF:44.7/47

Out: -19.292+/-8.938 χ^2/NDF:116.1/55

All: -16.047+/-6.385 χ^2/NDF: 161.1/103



Right In: 61.123+/-0.012 χ^2/NDF: 3386290.4/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701822.0/30

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

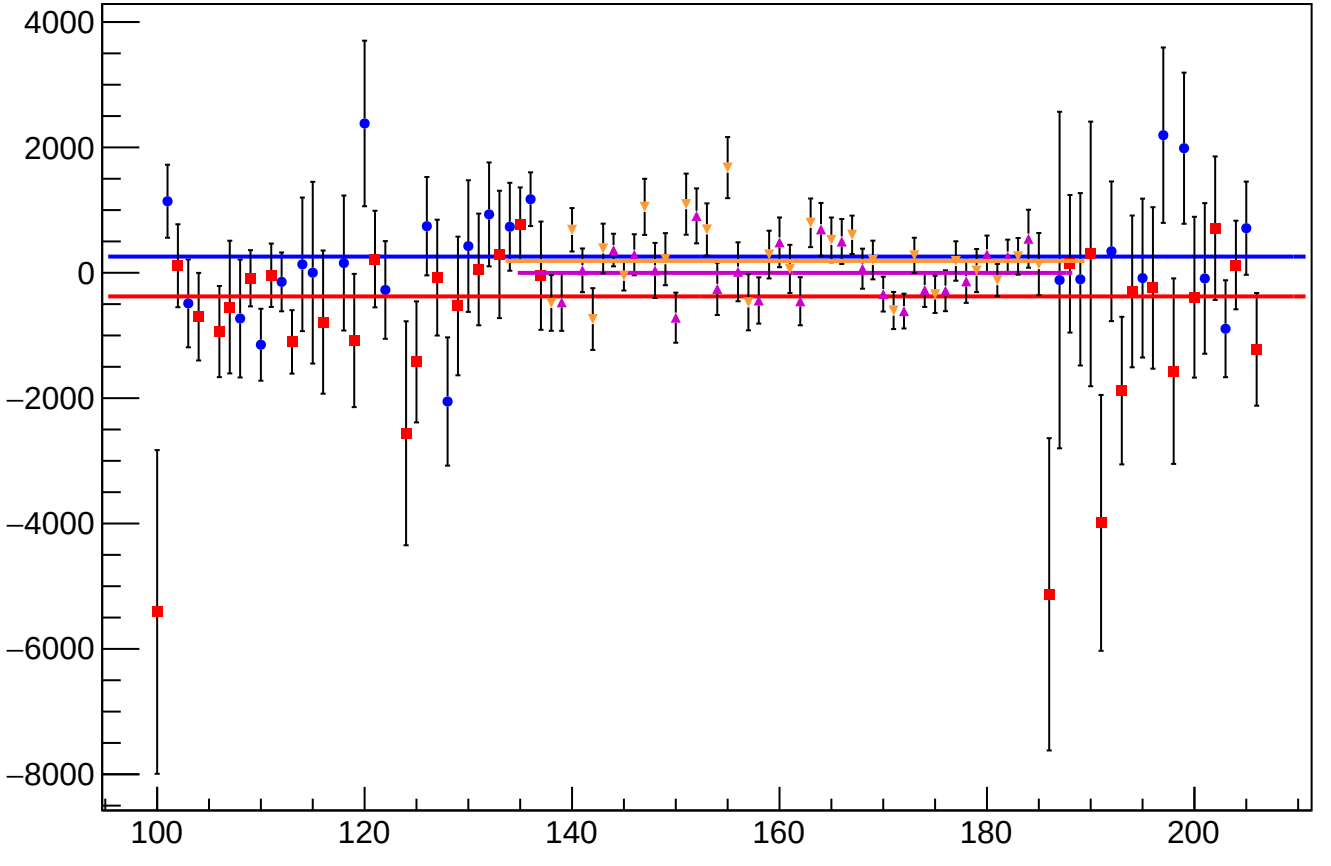
Right: 62.893+/-0.009 χ^2/NDF: 8128093.1/55

In: 49.324+/-0.006 χ^2/NDF:4979787.2/47

Out: 50.239+/-0.006 χ^2/NDF:7017137.3/55

All: 49.791+/-0.005 χ^2/NDF: 12007192.5/103

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 258.327+/-162.143 χ^2/NDF: 32.4/24

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -376.828+/-154.855 χ^2/NDF: 28.3/30

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

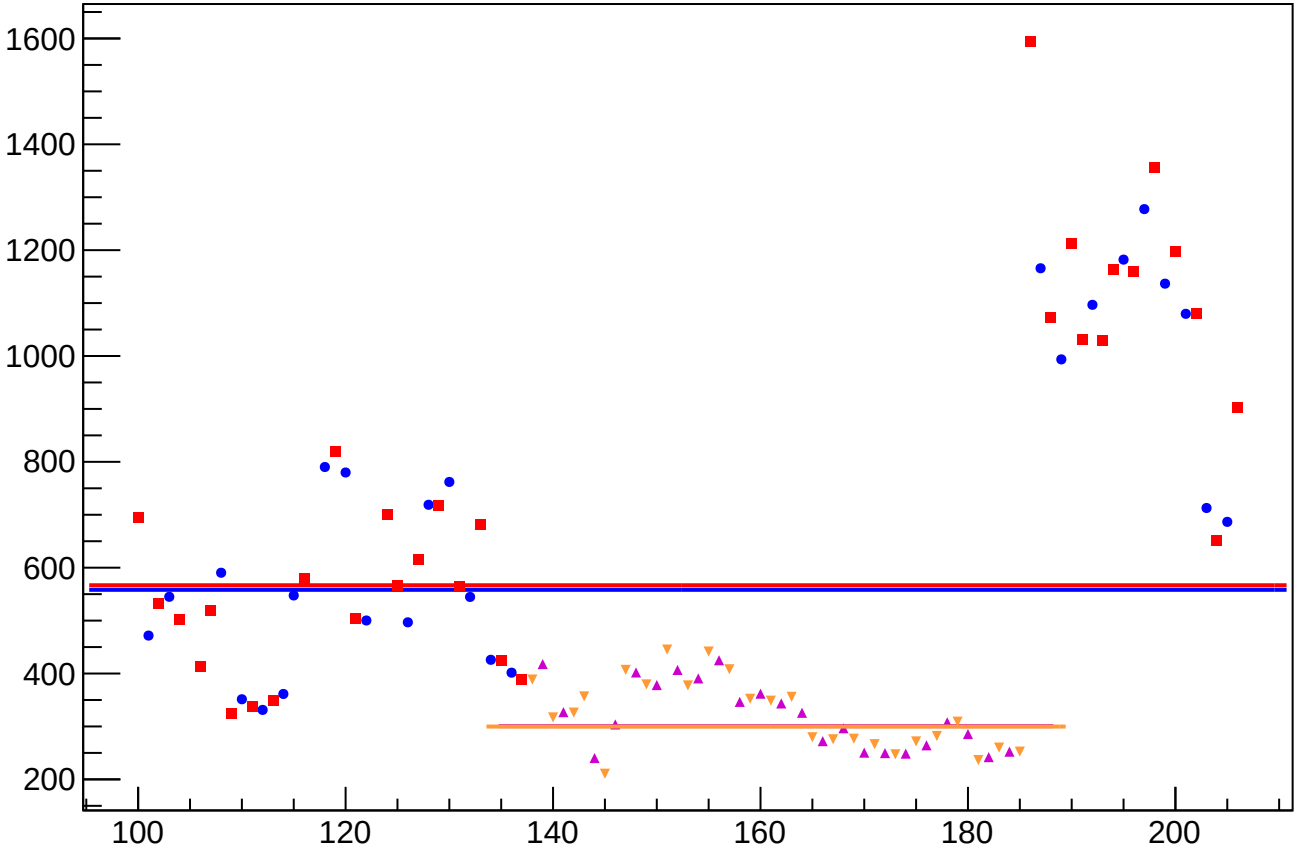
Right: -73.846+/-111.987 χ^2/NDF: 68.7/55

In: 40.880+/-65.584 χ^2/NDF:66.8/47

Out: 93.493+/-63.569 χ^2/NDF:86.1/55

All: 68.008+/-45.646 χ^2/NDF: 153.2/103

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 558.192+/-0.115 χ^2/NDF: 4240732.3/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 566.813+/-0.109 χ^2/NDF: 5927144.9/30

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

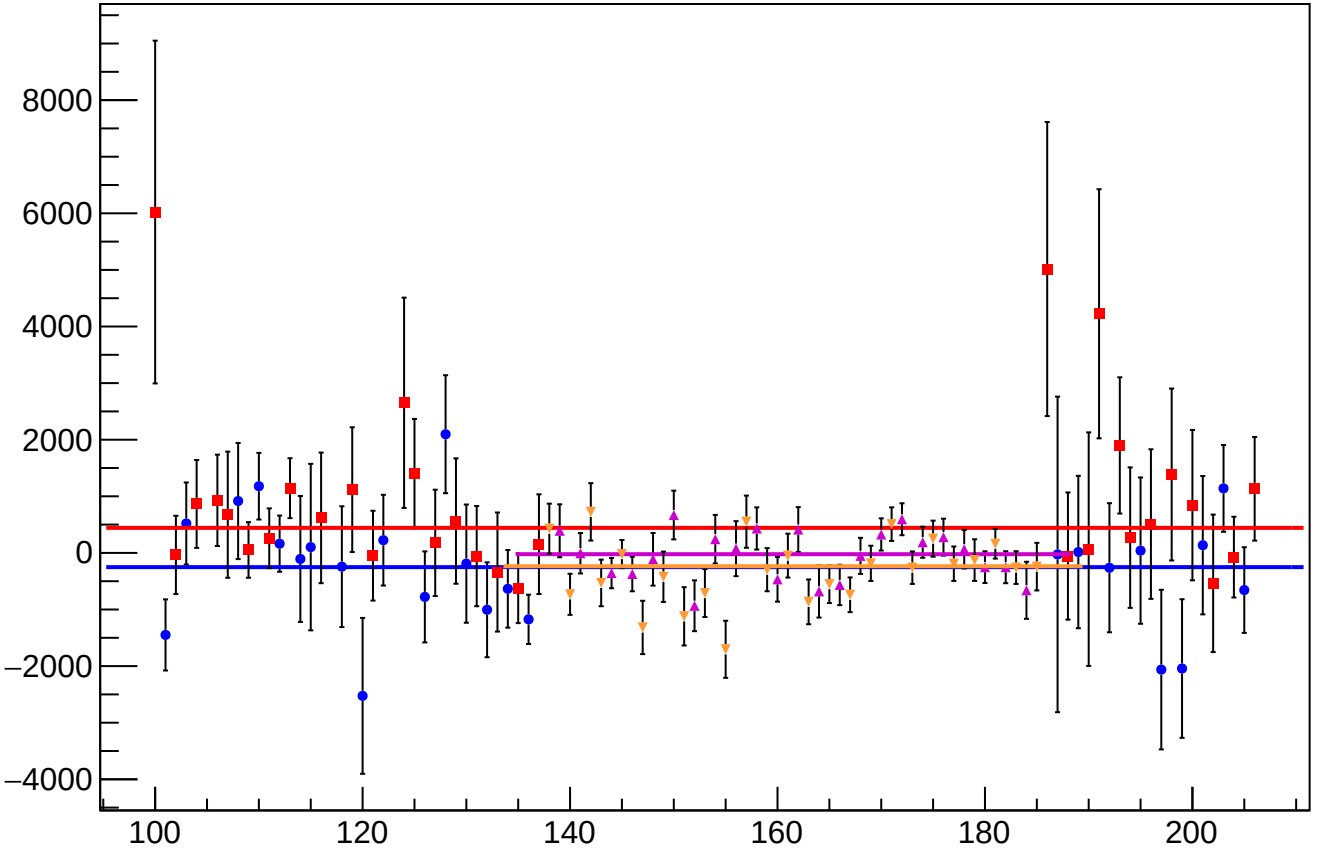
Right: 562.700+/-0.079 χ^2/NDF: 10170834.0/55

In: 342.697+/-0.046 χ^2/NDF:9723702.7/47

Out: 344.794+/-0.045 χ^2/NDF:12448824.2/55

All: 343.779+/-0.032 χ^2/NDF: 22173581.2/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -251.343+/-166.445 χ^2/NDF: 34.5/24

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 442.525+/-161.793 χ^2/NDF: 24.3/30

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

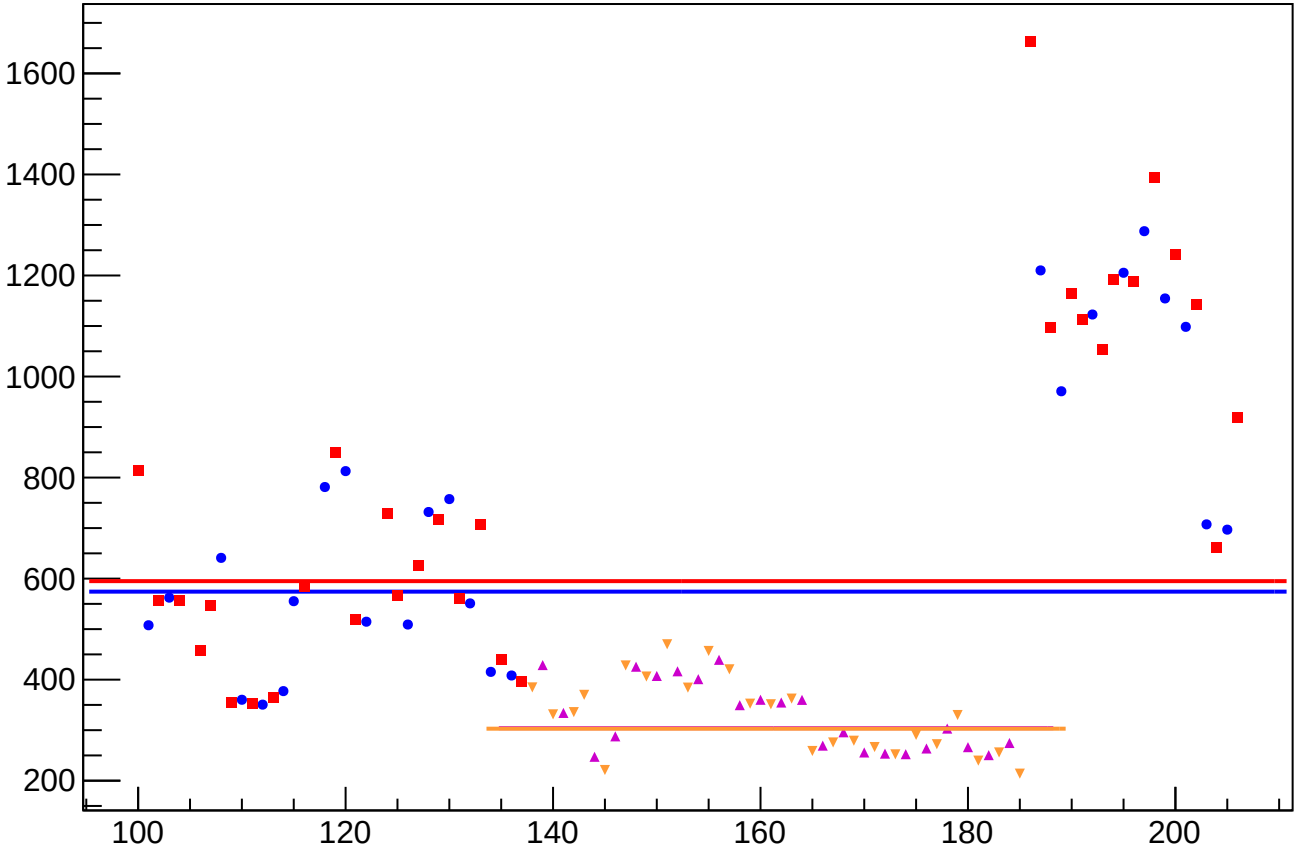
Right: 105.423+/-116.014 χ^2/NDF: 67.7/55

In: -59.251+/-66.578 χ^2/NDF:65.9/47

Out: -126.404+/-64.816 χ^2/NDF:86.5/55

All: -93.728+/-46.442 χ^2/NDF: 153.0/103

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 574.216+/-0.118 χ^2/NDF: 4089427.1/24

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 595.004+/-0.114 χ^2/NDF: 5638616.8/30

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

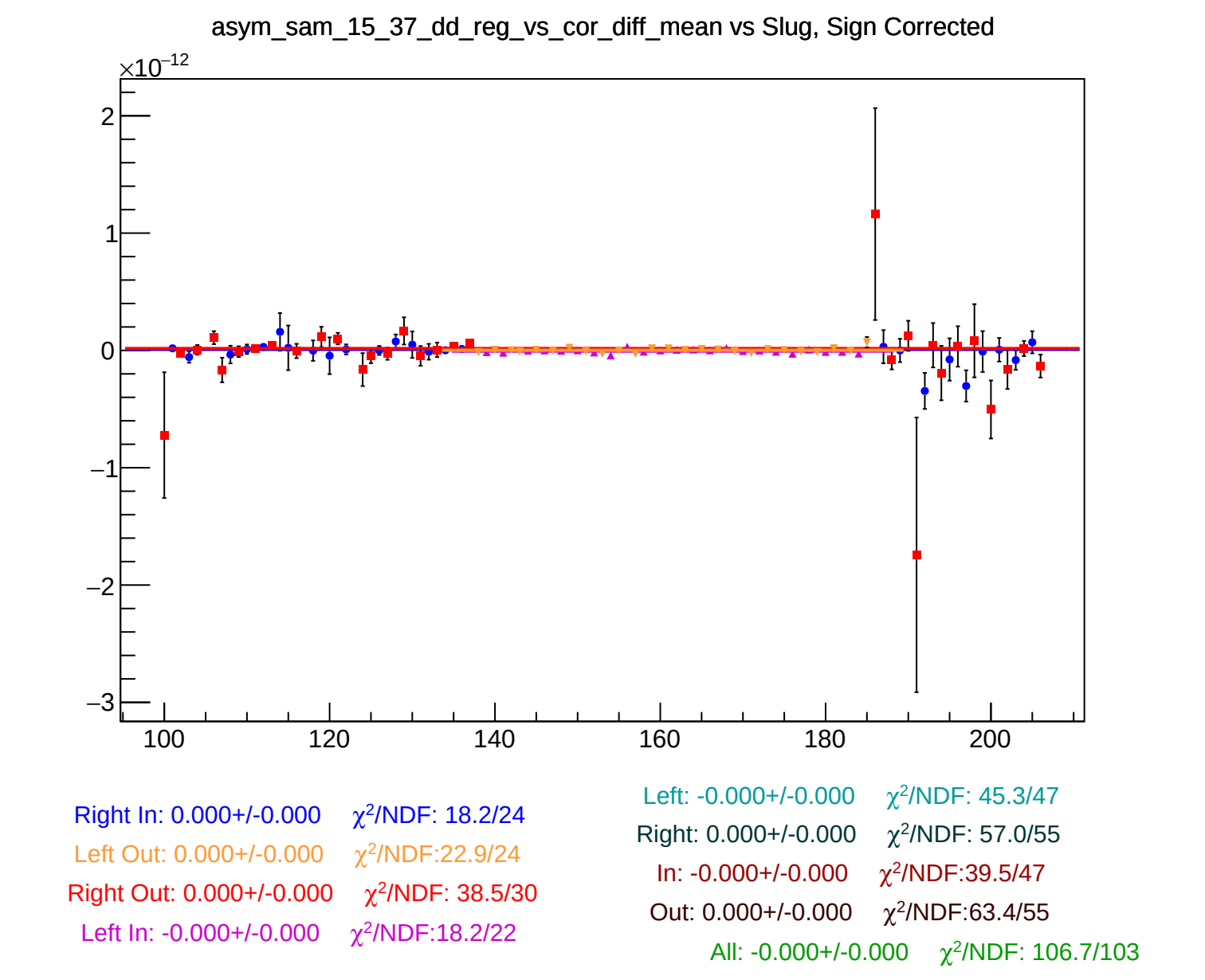
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

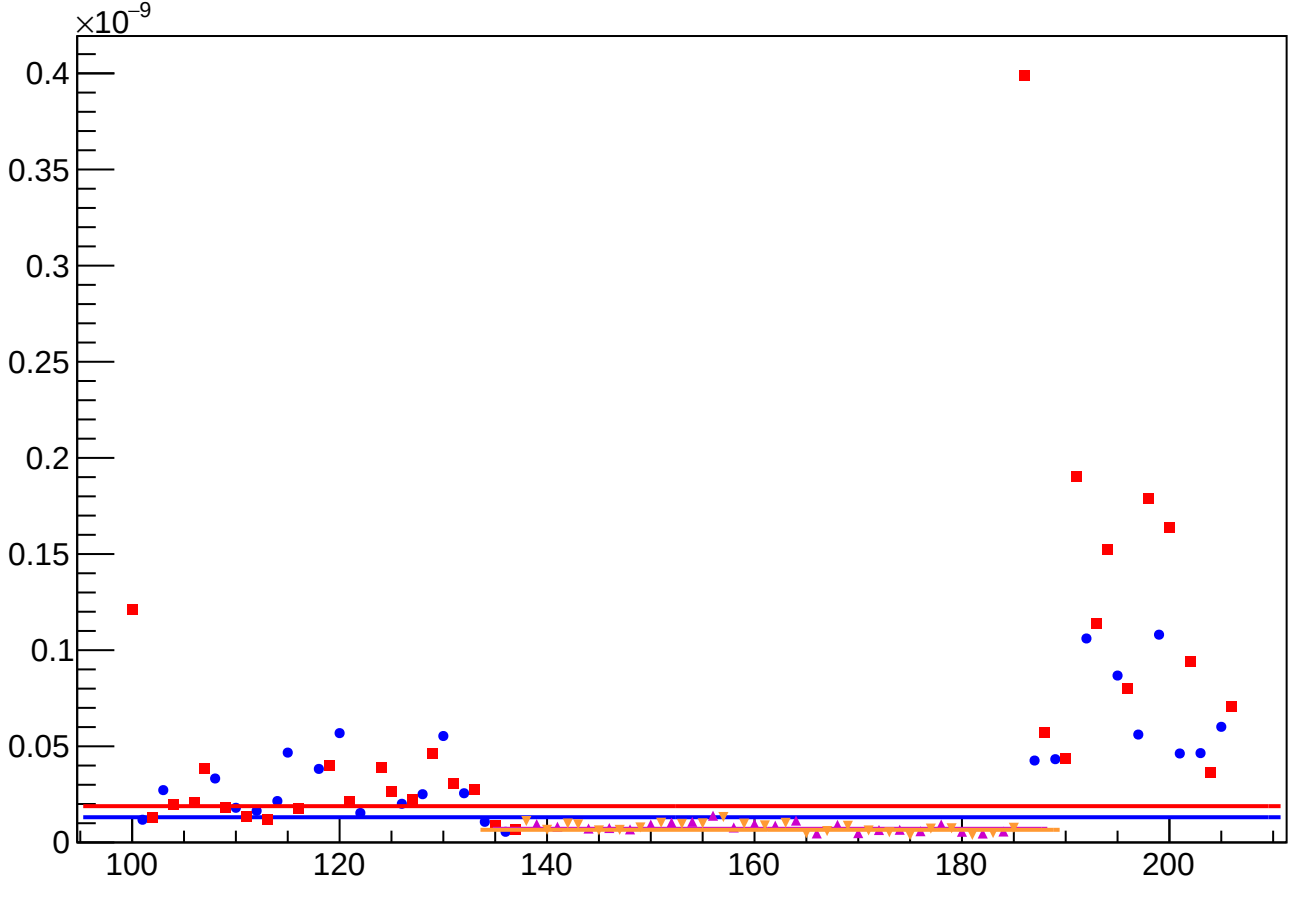
Right: 584.905+/-0.082 χ^2/NDF: 9744085.0/55

In: 347.170+/-0.047 χ^2/NDF:9896070.4/47

Out: 349.817+/-0.046 χ^2/NDF:12875897.2/55

All: 348.529+/-0.033 χ^2/NDF: 22773590.8/10


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.2/24
Left Out: 0.000+/-0.000 χ²/NDF:22.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.5/30
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 45.3/47
Right: 0.000+/-0.000 χ²/NDF: 57.0/55
In: -0.000+/-0.000 χ²/NDF:39.5/47
Out: 0.000+/-0.000 χ²/NDF:63.4/55
All: -0.000+/-0.000 χ²/NDF: 106.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 5380704.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6014955.6/30

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

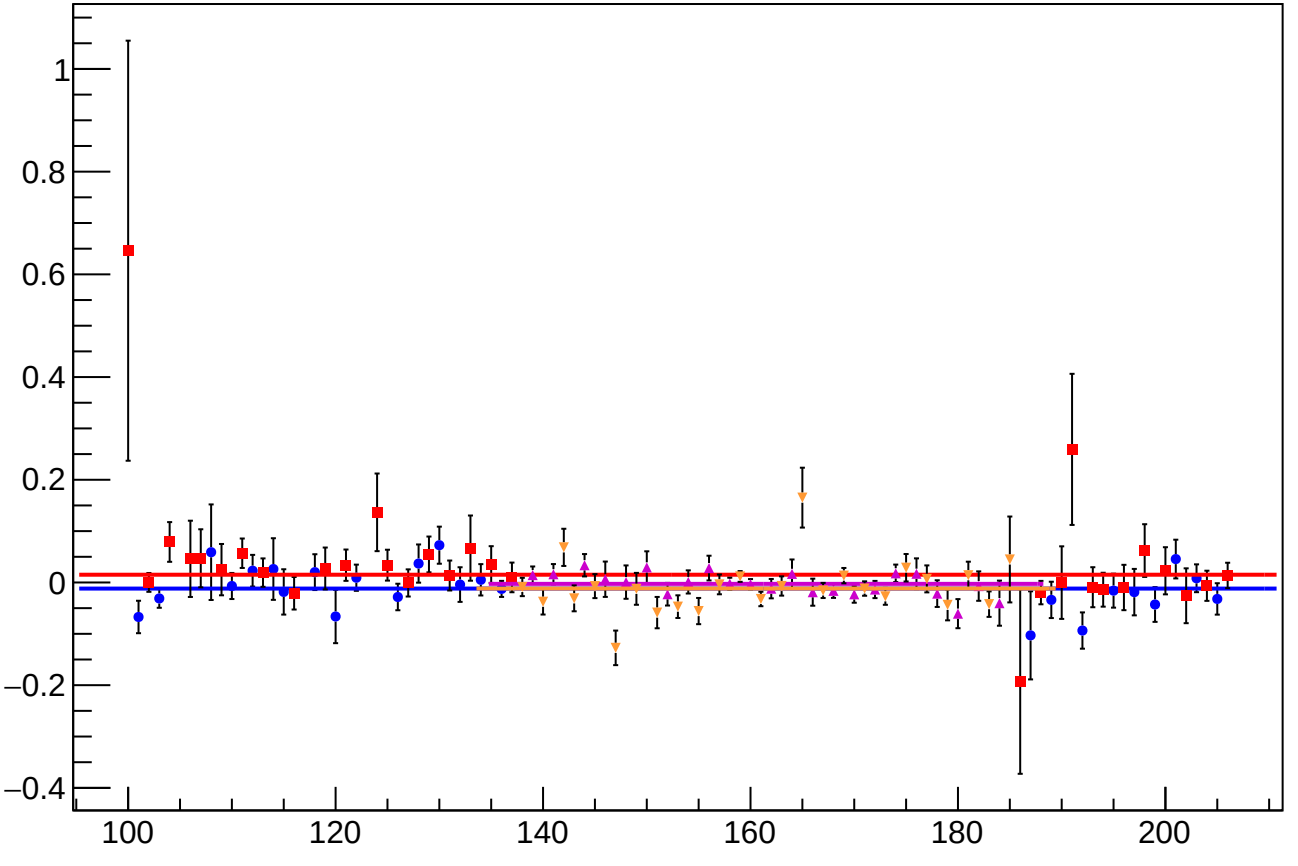
Right: 0.000+/-0.000 χ^2/NDF: 11811666.6/55

In: 0.000+/-0.000 χ^2/NDF:7407366.3/47

Out: 0.000+/-0.000 χ^2/NDF:10374638.9/55

All: 0.000+/-0.000 χ^2/NDF: 17806877.7/103

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

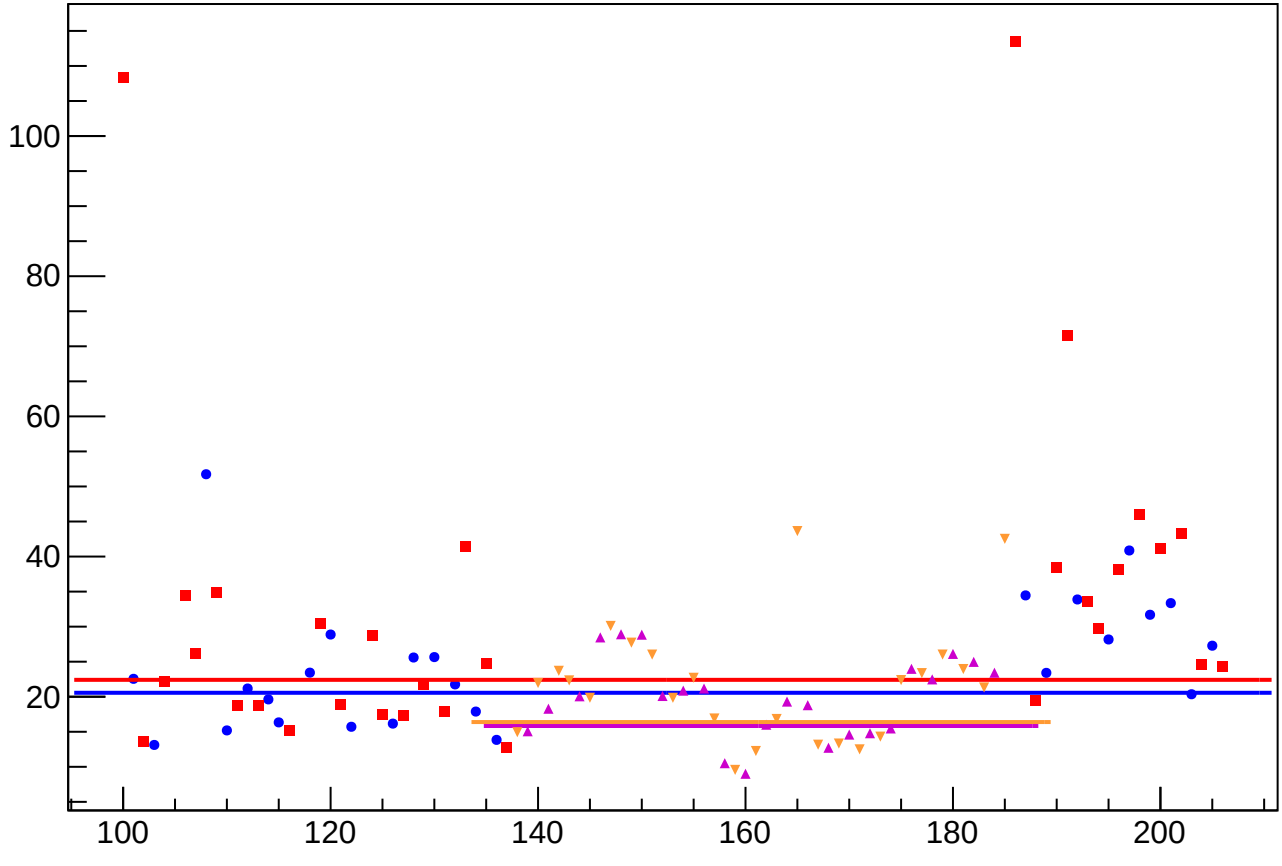
Right: 0.001+/-0.004 χ^2/NDF: 63.3/55

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/103

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

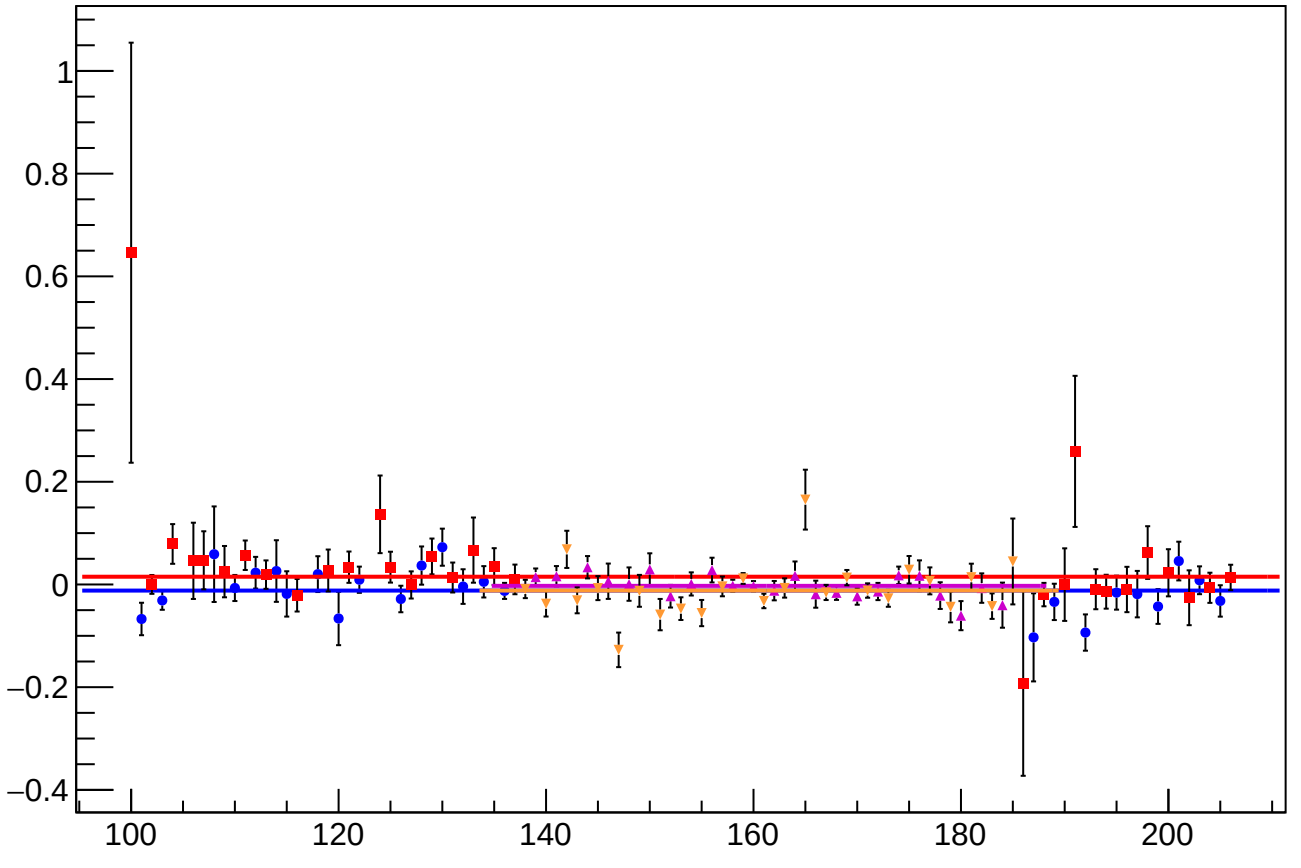
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.460+/-0.003 χ^2/NDF: 6918387.6/55

In: 17.252+/-0.002 χ^2/NDF:7219724.3/47

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.694+/-0.002 χ^2/NDF: 16696507.2/103



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

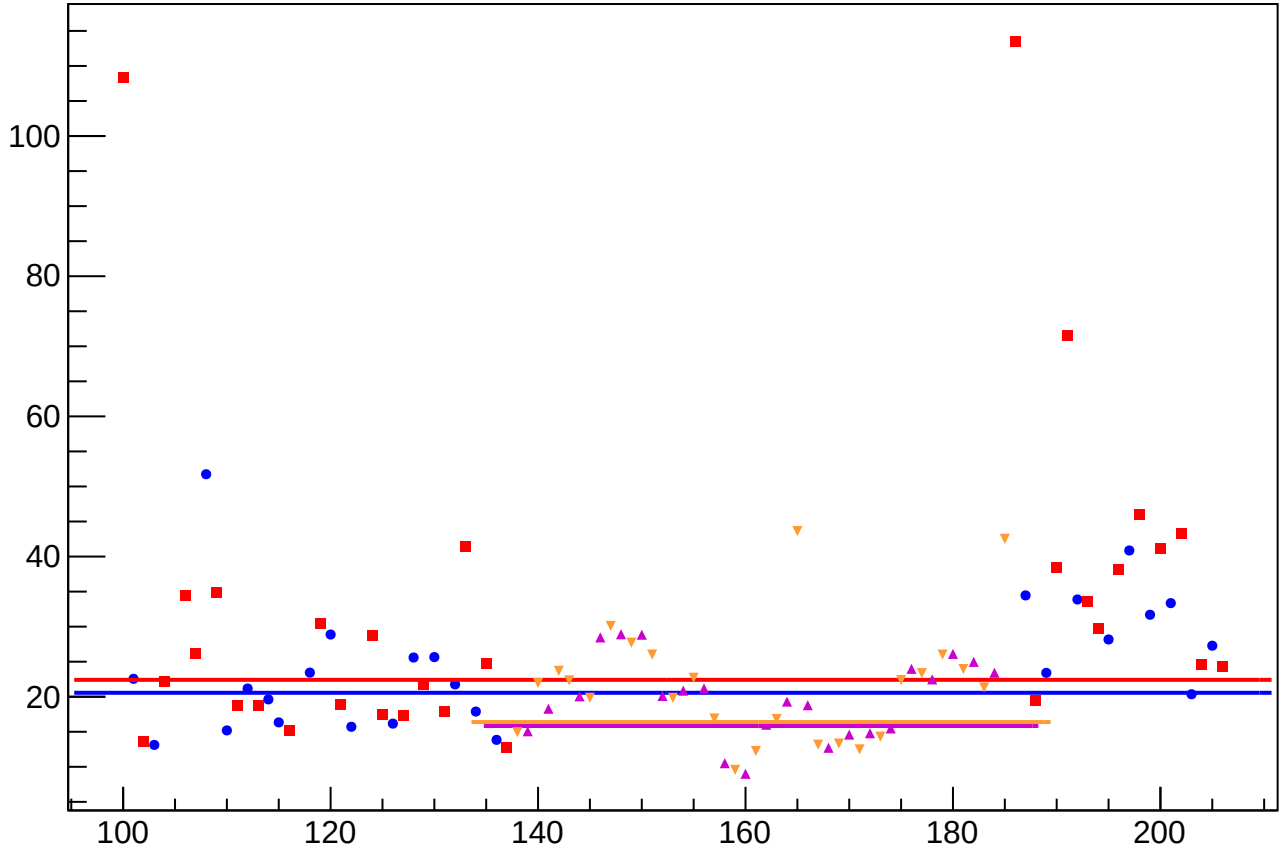
Right: 0.001+/-0.004 χ^2/NDF: 63.3/55

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/103

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

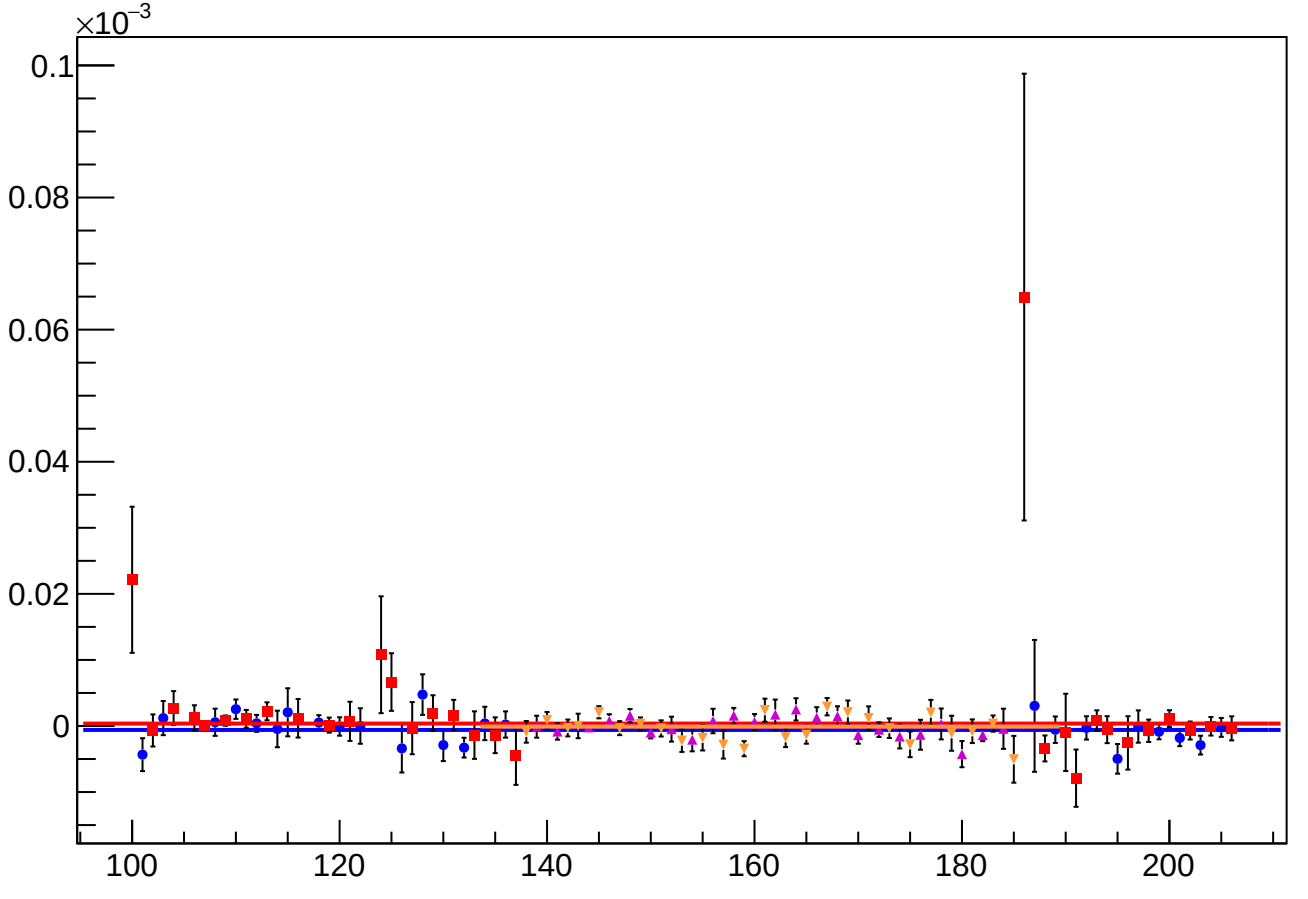
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.460+/-0.003 χ^2/NDF: 6918387.6/55

In: 17.252+/-0.002 χ^2/NDF:7219724.3/47

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.694+/-0.002 χ^2/NDF: 16696507.2/103



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

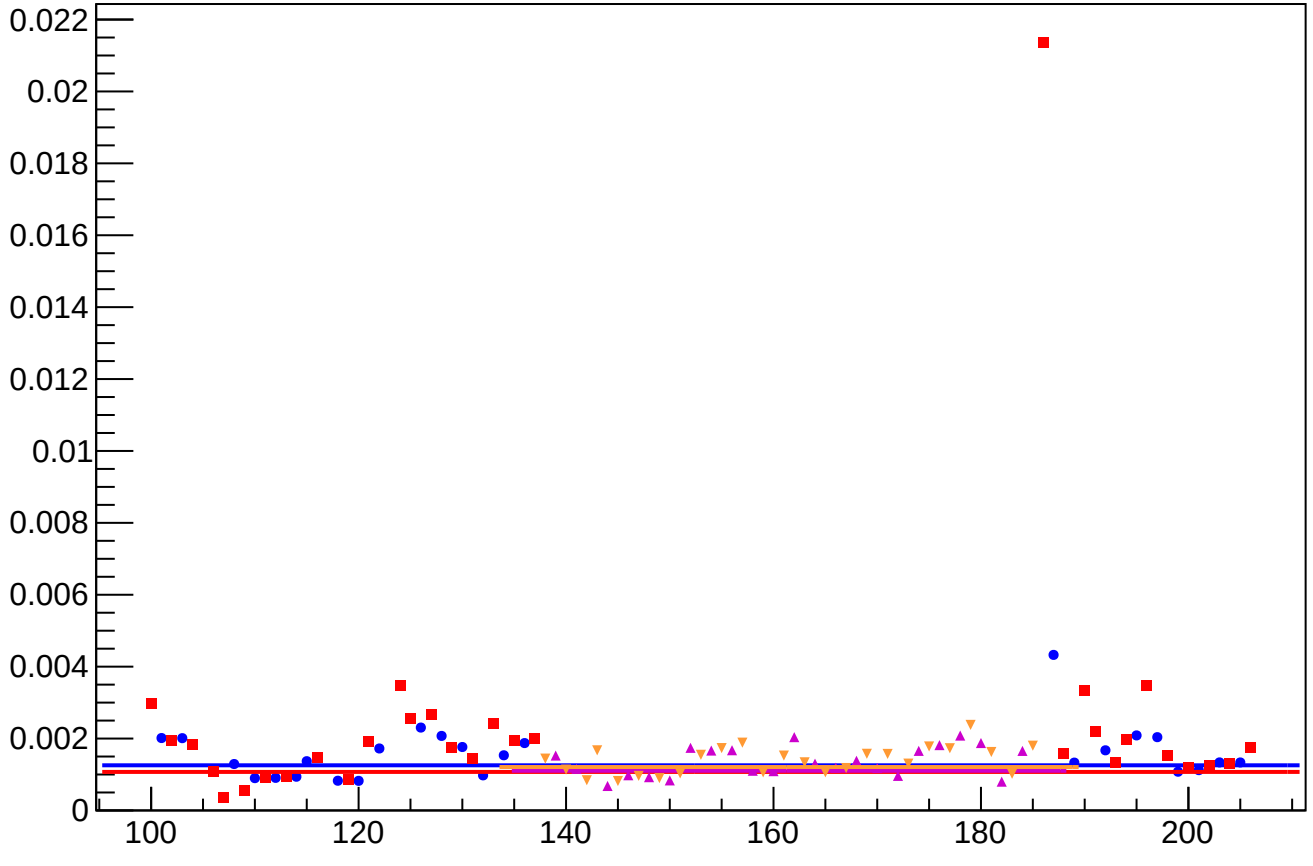
Right: -0.000+/-0.000 χ^2/NDF: 57.0/55

In: -0.000+/-0.000 χ^2/NDF:48.8/47

Out: 0.000+/-0.000 χ^2/NDF:64.5/55

All: -0.000+/-0.000 χ^2/NDF: 115.0/103

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2746350.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7965371.2/30

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

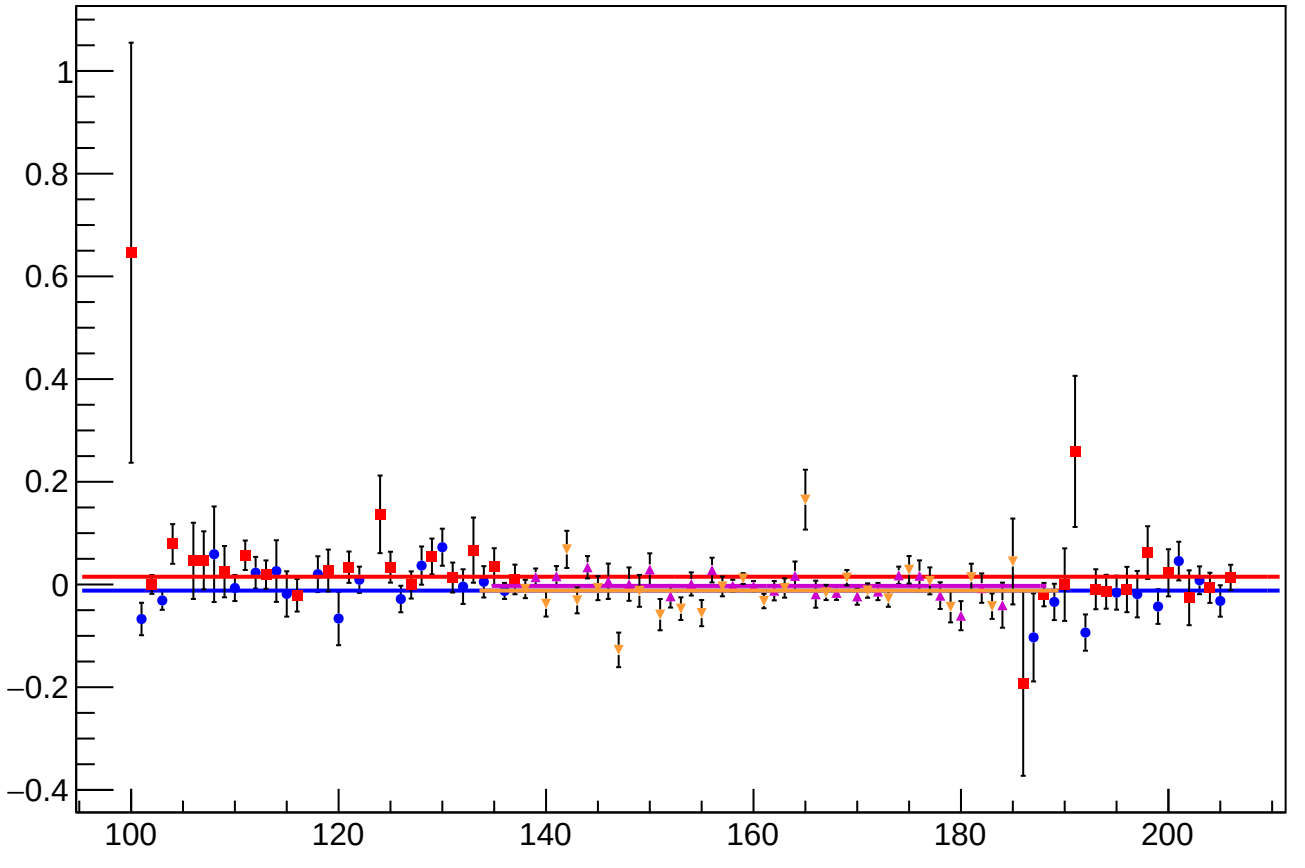
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 11012367.2/55

In: 0.001+/-0.000 χ^2/NDF:6469194.2/47

Out: 0.001+/-0.000 χ^2/NDF:10890936.8/55

All: 0.001+/-0.000 χ^2/NDF: 17364889.1/103



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

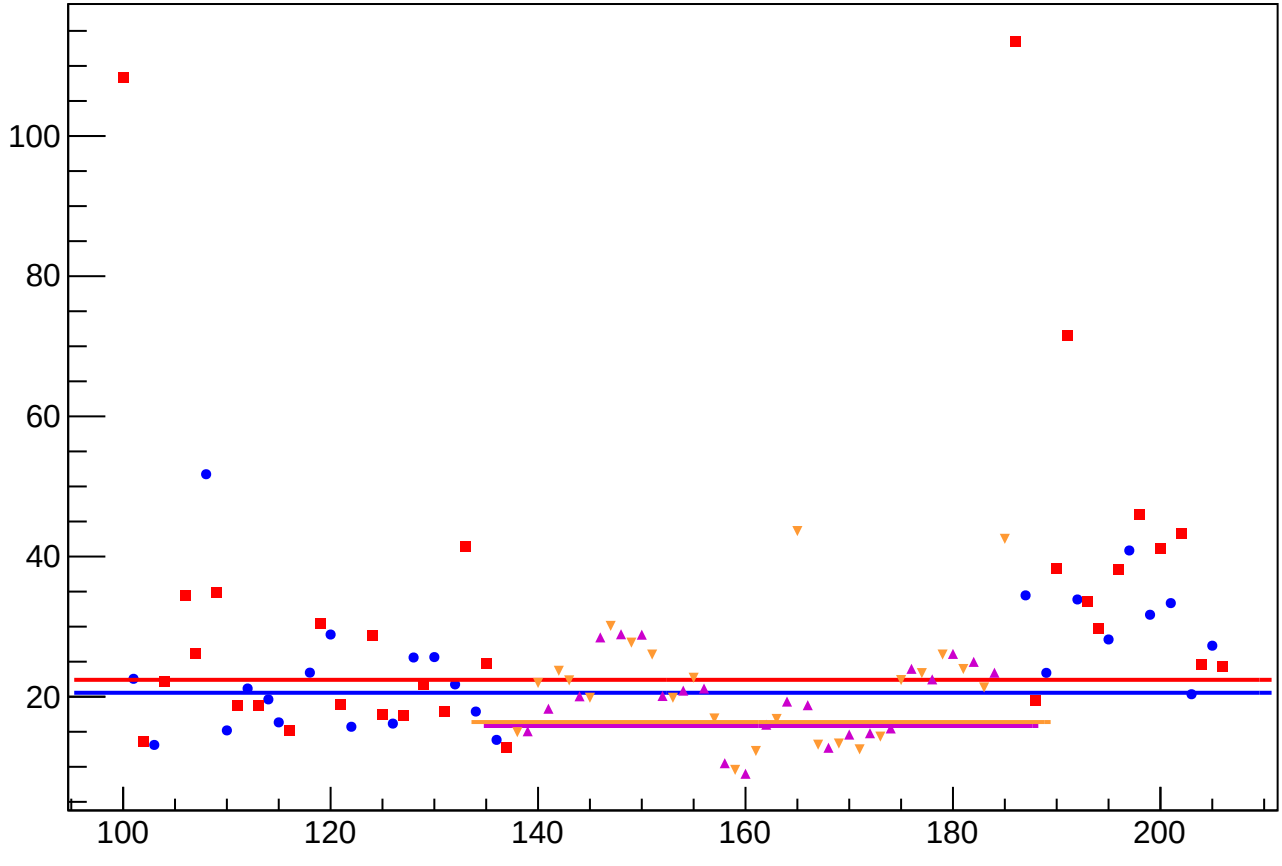
Right: 0.001+/-0.004 χ^2/NDF: 63.3/55

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/103

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

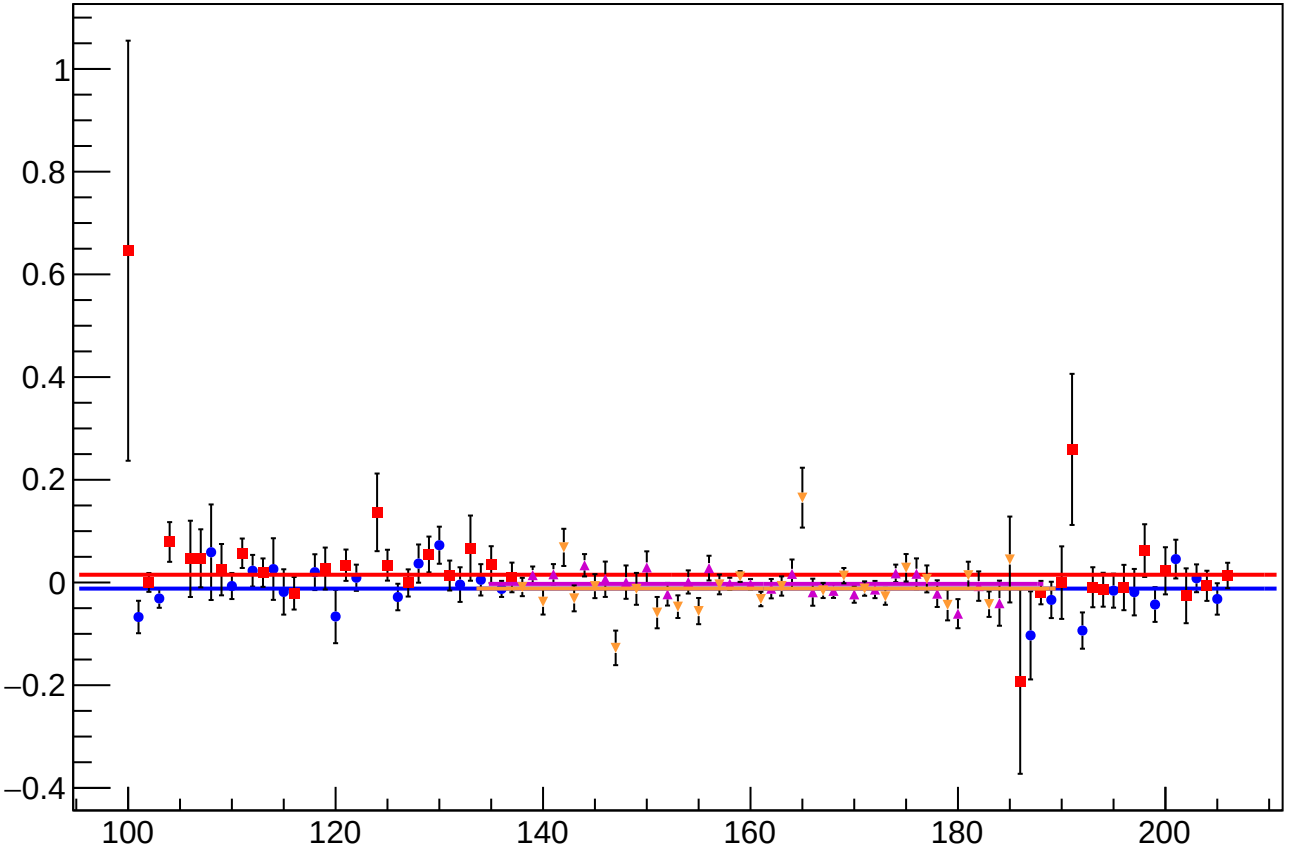
Right: 21.461+/-0.003 χ^2/NDF: 6918166.8/55

In: 17.252+/-0.002 χ^2/NDF:7220206.0/47

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.694+/-0.002 χ^2/NDF: 16697270.5/103

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

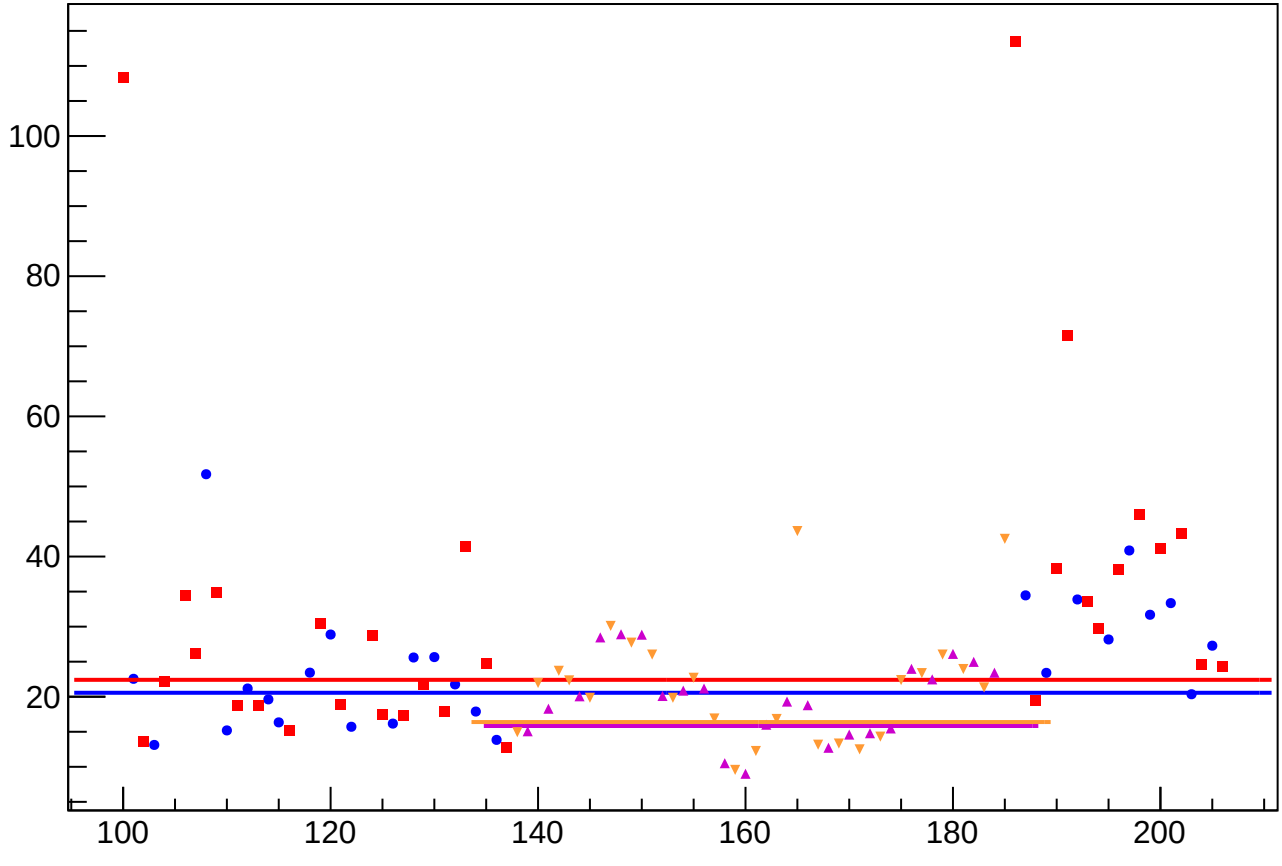
Right: 0.001+/-0.004 χ^2/NDF: 63.3/55

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/103

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

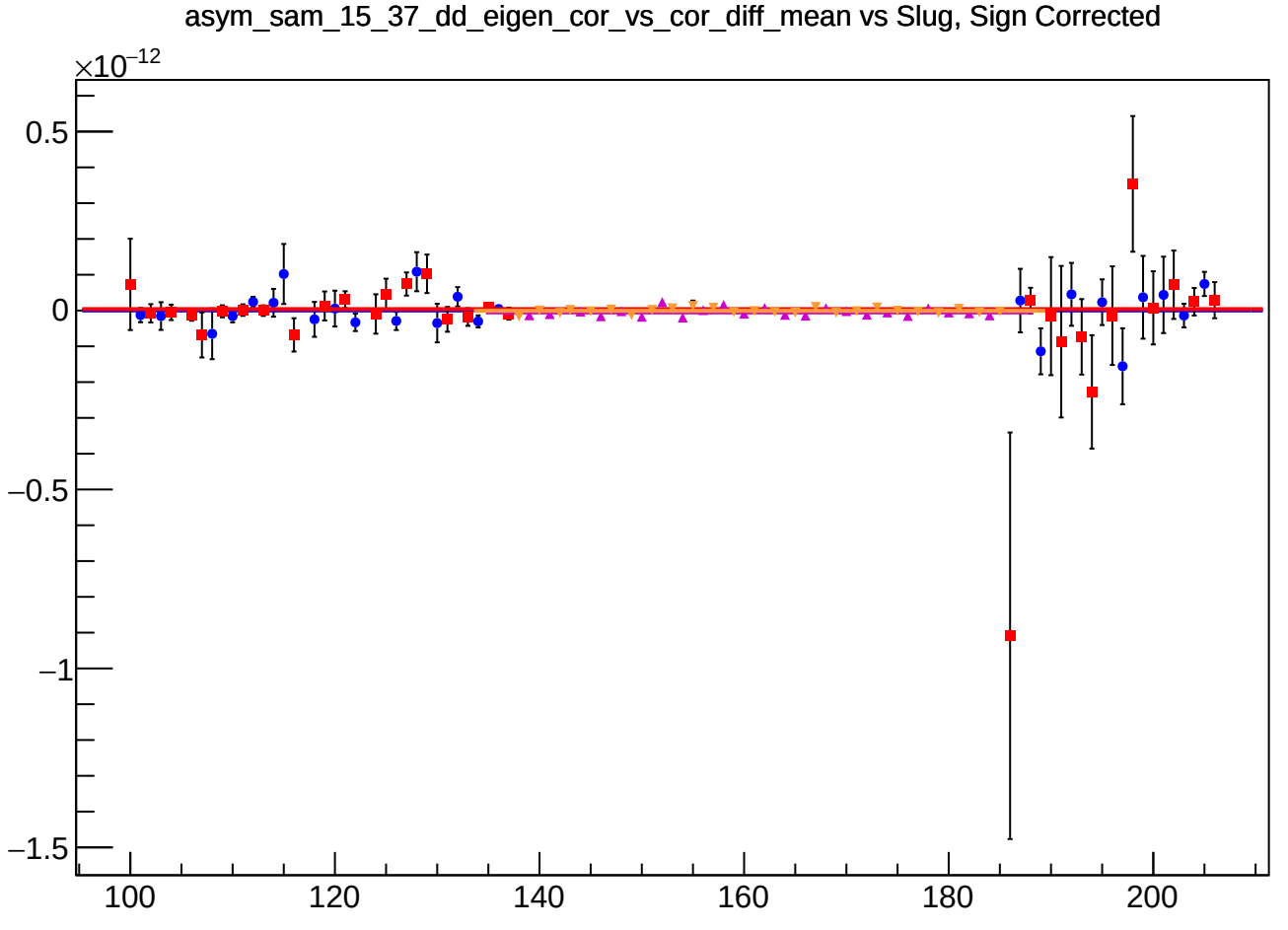
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.461+/-0.003 χ^2/NDF: 6918166.8/55

In: 17.252+/-0.002 χ^2/NDF:7220206.0/47

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.694+/-0.002 χ^2/NDF: 16697270.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/30

Left In: -0.000+/-0.000 χ^2/NDF:37.9/22

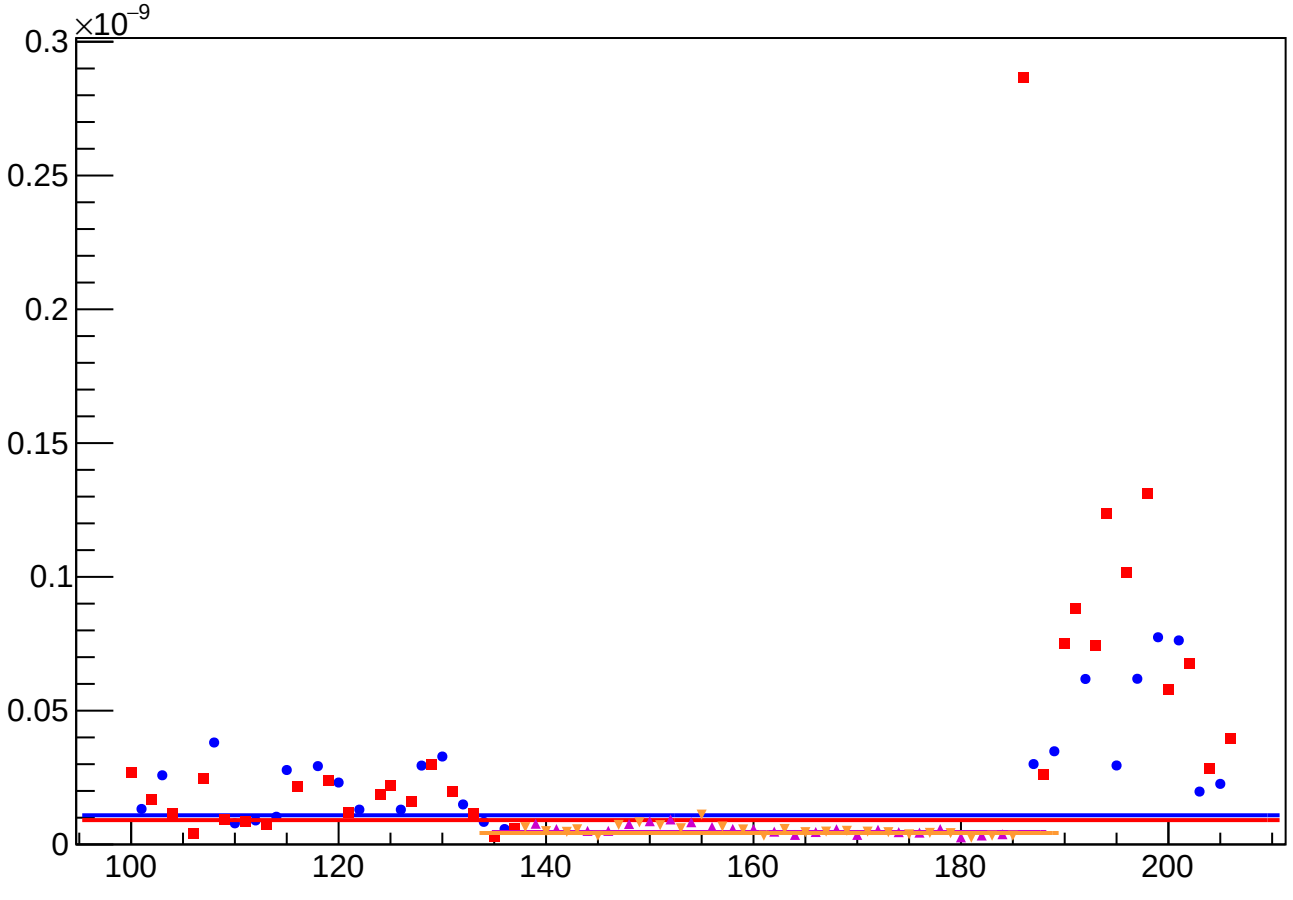
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 61.3/55

In: -0.000+/-0.000 χ^2/NDF:70.4/47

Out: -0.000+/-0.000 χ^2/NDF:49.8/55

All: -0.000+/-0.000 χ^2/NDF: 126.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 6248951.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10816872.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

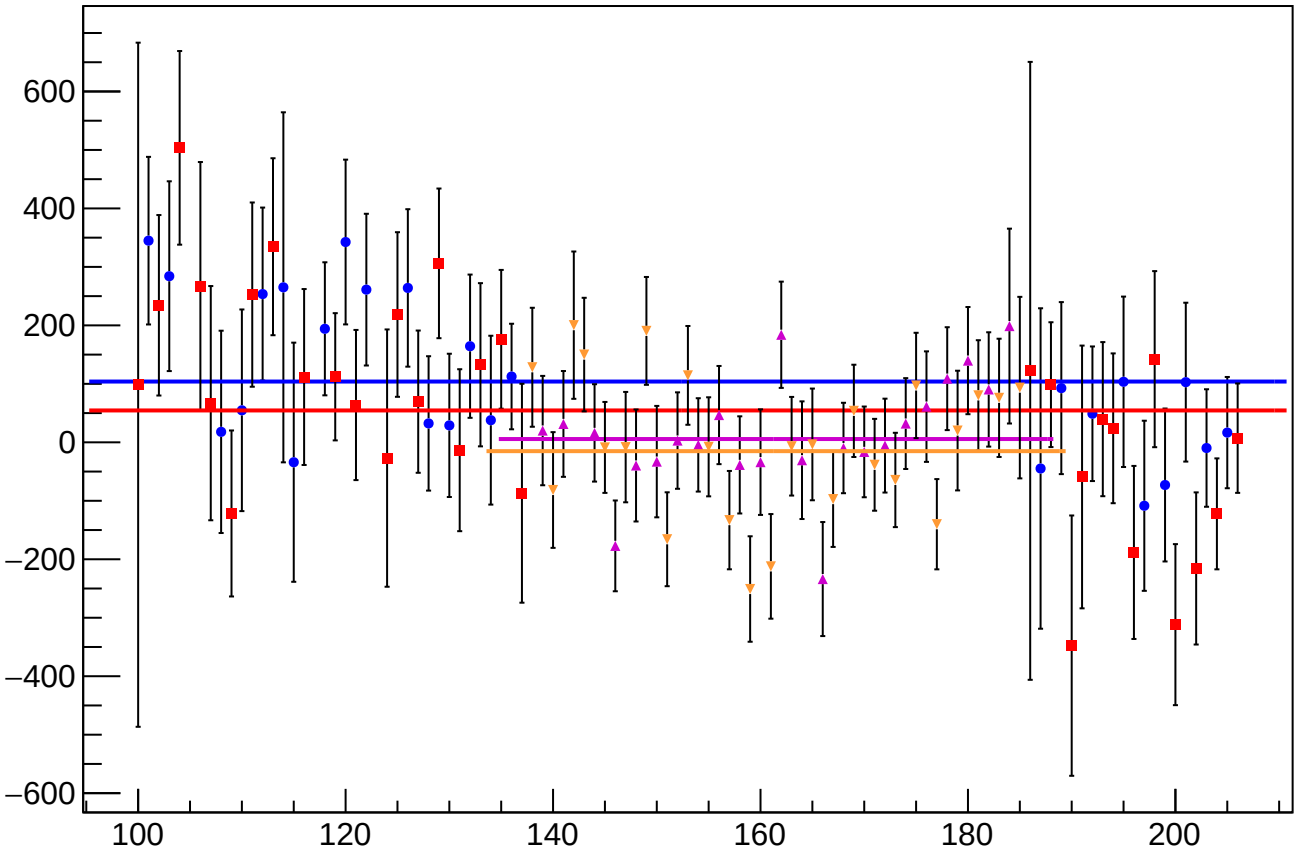
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17217745.7/55

In: 0.000+/-0.000 χ^2/NDF:11776375.6/47

Out: 0.000+/-0.000 χ^2/NDF:15623589.0/55

All: 0.000+/-0.000 χ^2/NDF: 27531698.2/103



Right In: 103.945+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.508+/-25.555 χ^2/NDF: 46.2/30

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

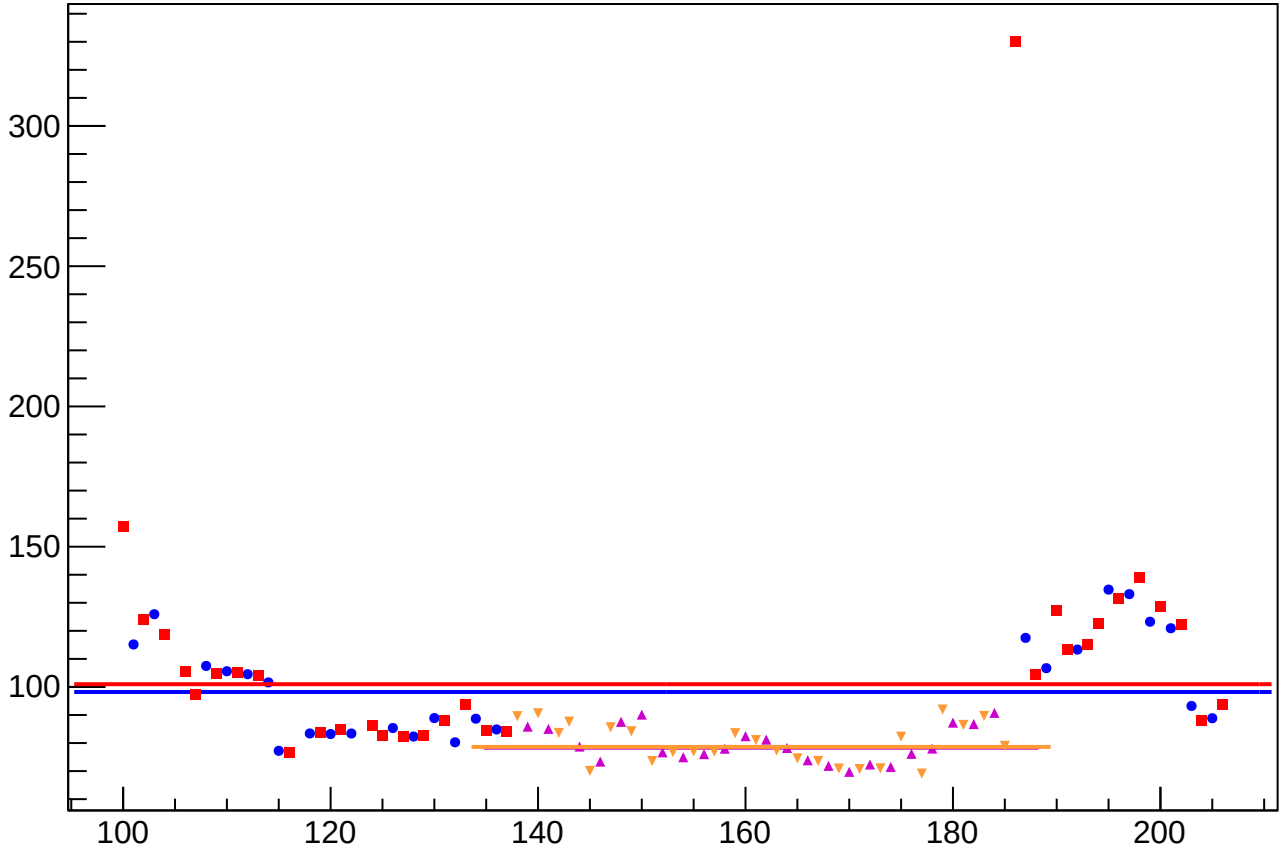
Right: 78.191+/-18.445 χ^2/NDF: 68.4/55

In: 37.324+/-15.131 χ^2/NDF:52.6/47

Out: 7.909+/-14.692 χ^2/NDF:92.8/55

All: 22.184+/-10.541 χ^2/NDF: 147.4/103

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.193+/-0.019 χ^2/NDF: 811763.5/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.978+/-0.018 χ^2/NDF: 1323576.7/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

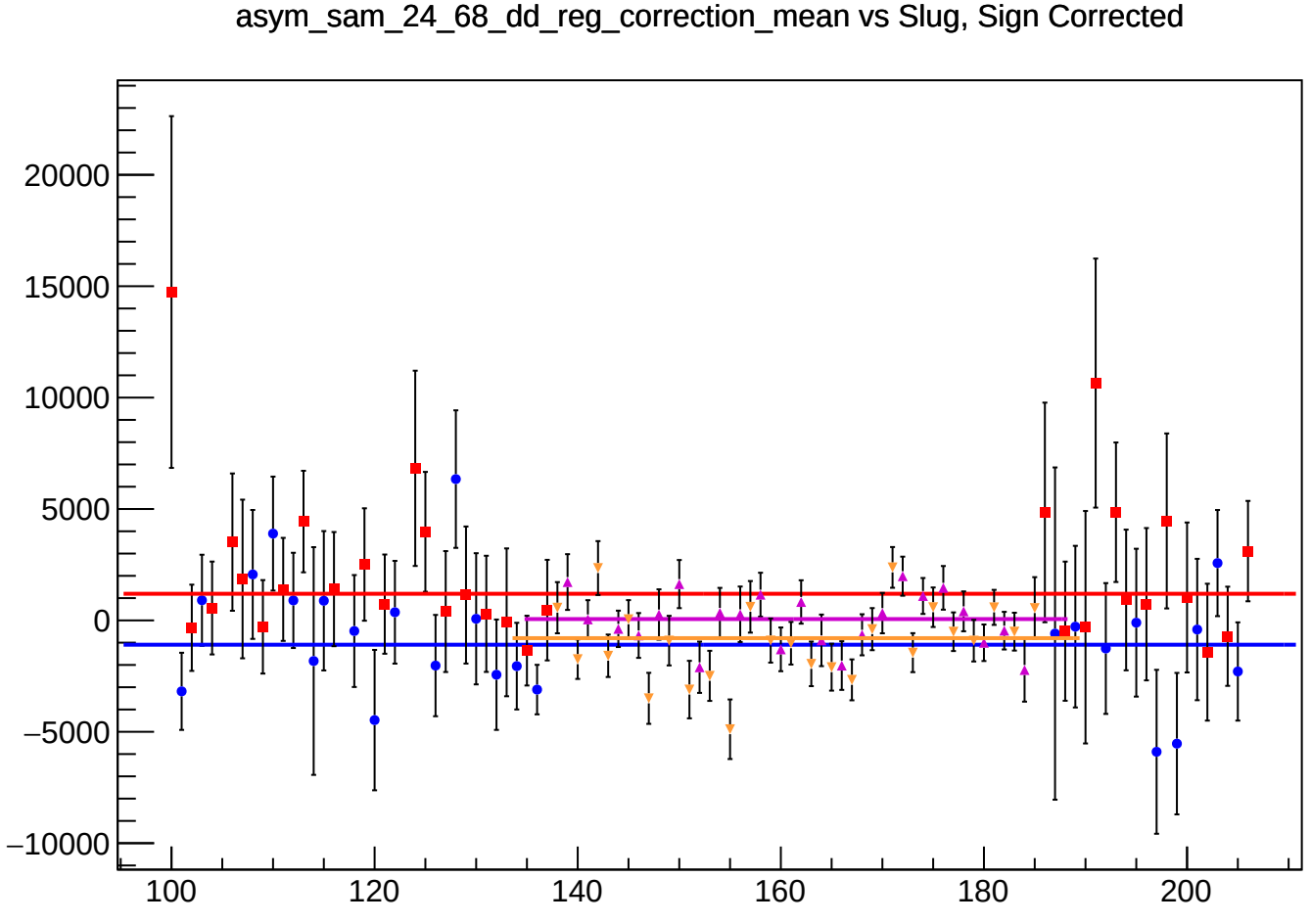
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

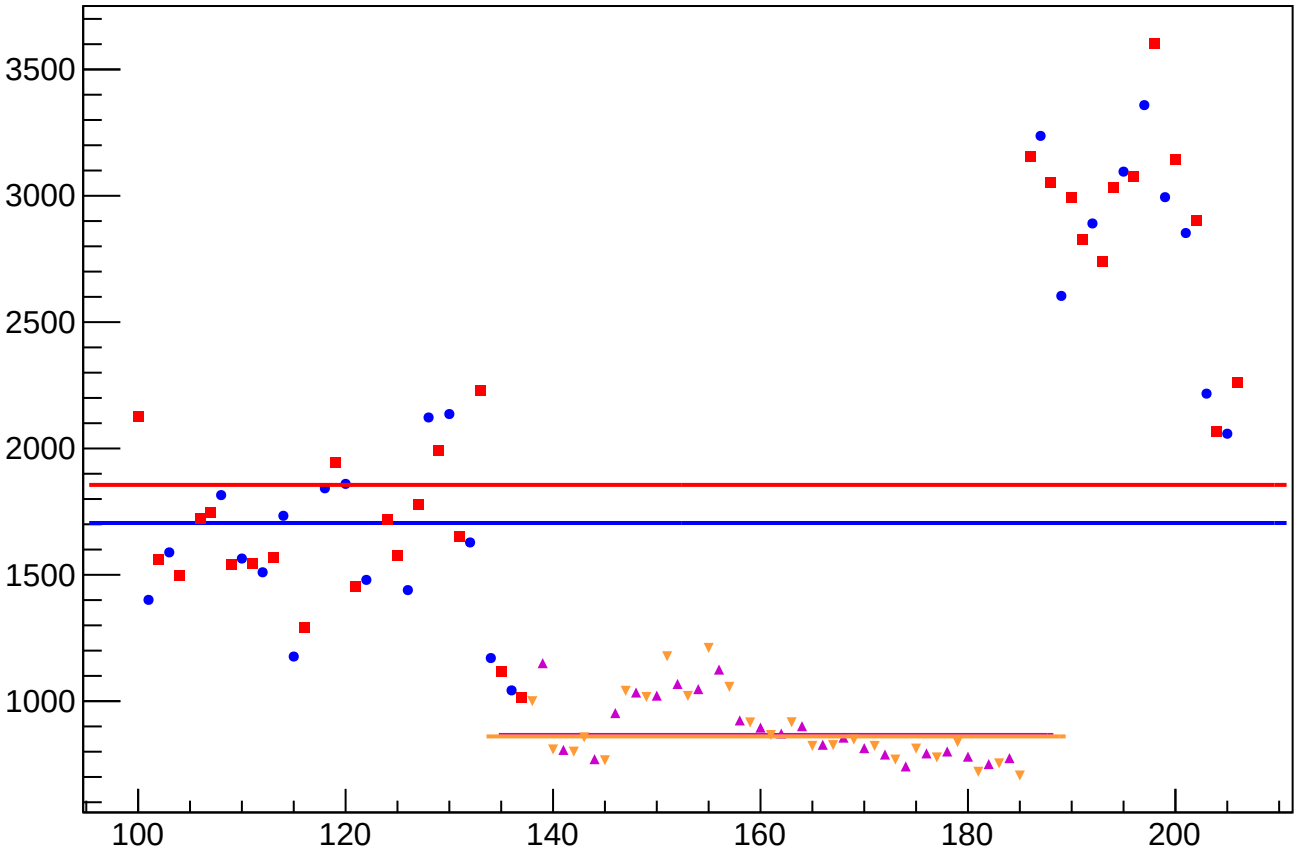
Right: 99.644+/-0.013 χ^2/NDF: 2146715.0/55

In: 84.736+/-0.011 χ^2/NDF:1773463.0/47

Out: 86.009+/-0.010 χ^2/NDF:2655801.3/55

All: 85.391+/-0.007 χ^2/NDF: 4436545.7/103


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1091.975+/-484.593 χ²/NDF: 26.8/24
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1194.896+/-485.198 χ²/NDF: 21.0/30
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 50.033+/-342.873 χ²/NDF: 58.9/55
In: -114.478+/-188.361 χ²/NDF:62.0/47
Out: -512.930+/-183.231 χ²/NDF:94.9/55
All: -319.204+/-131.340 χ²/NDF: 159.3/103



Right In: 1705.118+/-0.343 χ^2/NDF: 3175045.0/24

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1855.889+/-0.343 χ^2/NDF: 3466595.6/30

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

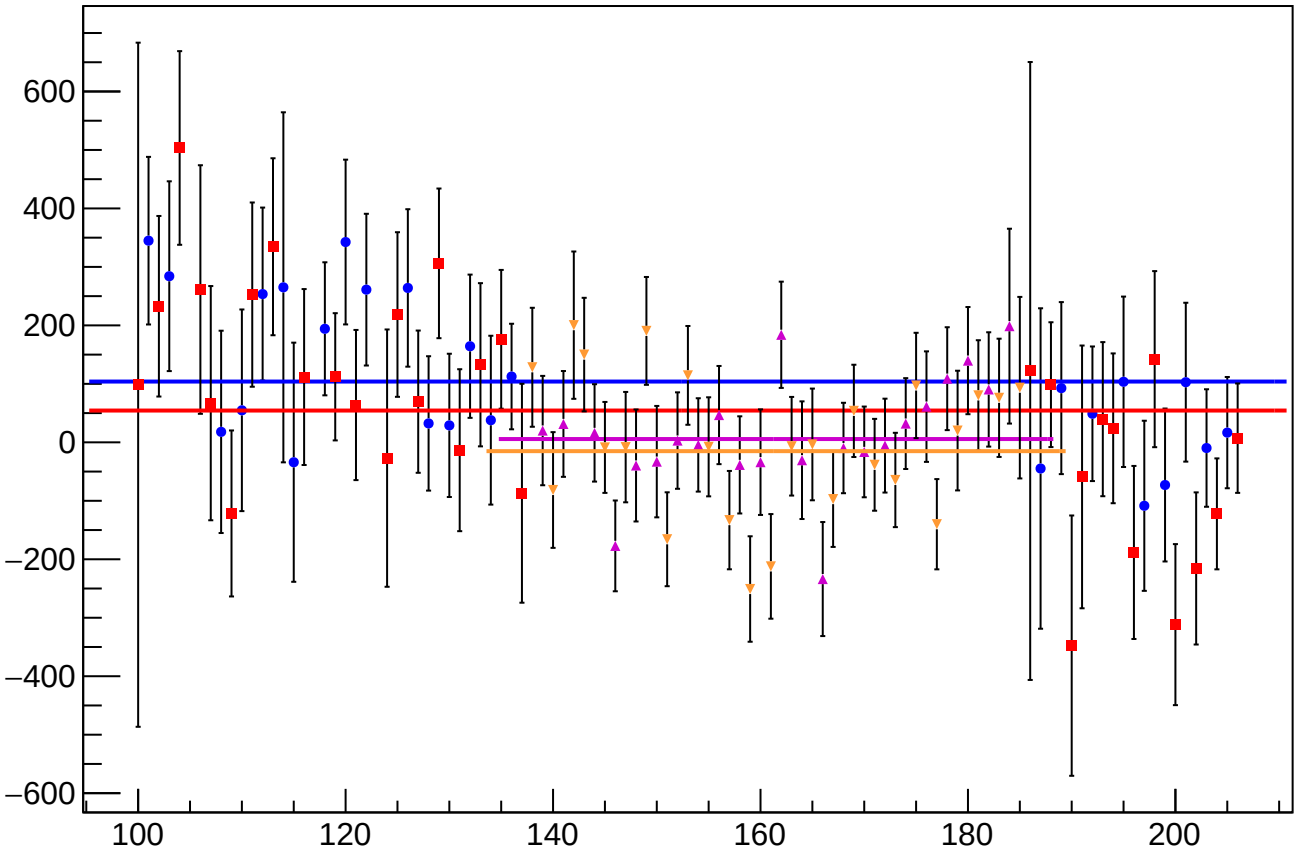
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1780.410+/-0.242 χ^2/NDF: 6738320.8/55

In: 993.078+/-0.133 χ^2/NDF:8874834.0/47

Out: 1002.449+/-0.130 χ^2/NDF:11382916.7/55

All: 997.893+/-0.093 χ^2/NDF: 20260293.8/10



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.362+/-25.556 χ^2/NDF: 46.1/30

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

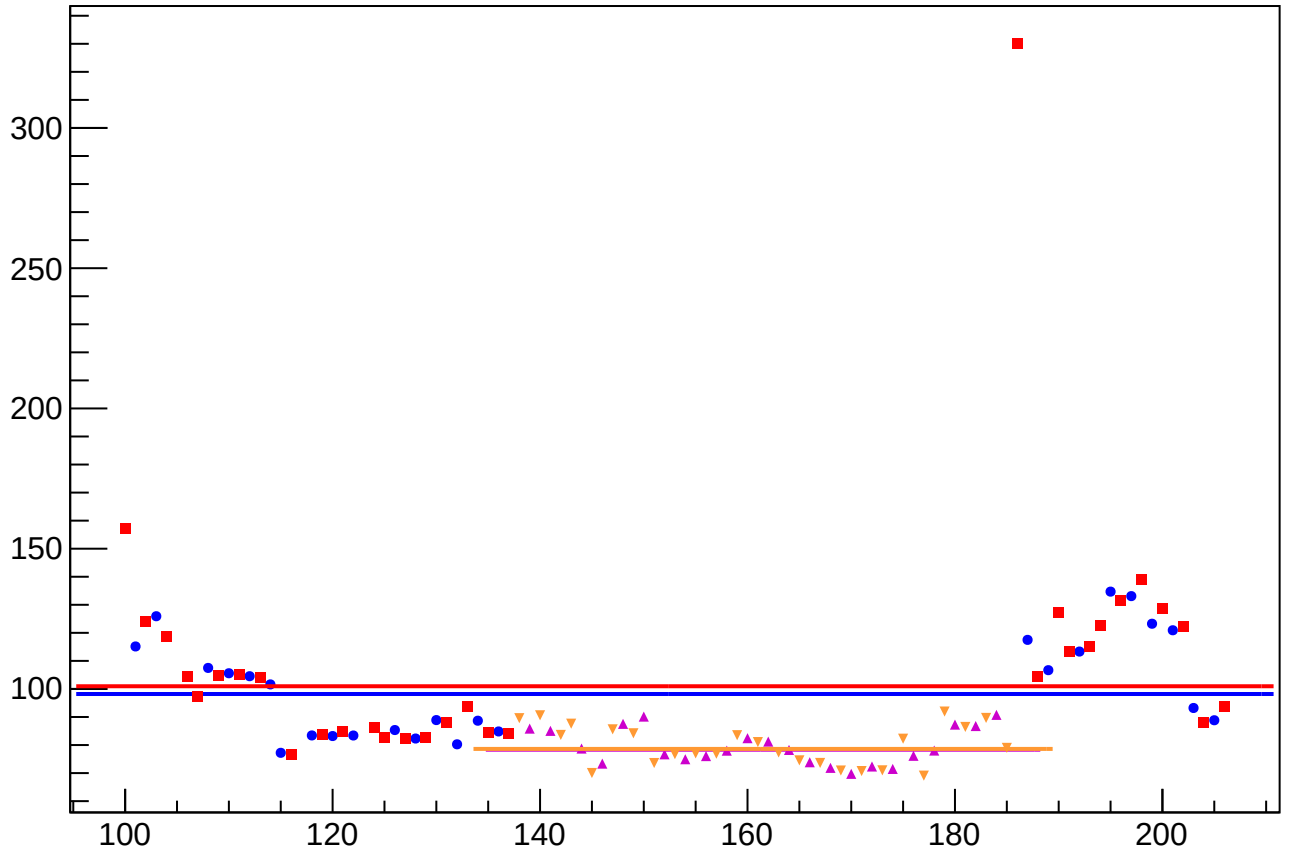
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 78.113+/-18.445 χ^2/NDF: 68.3/55

In: 37.320+/-15.131 χ^2/NDF:52.6/47

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 22.157+/-10.541 χ^2/NDF: 147.2/103



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

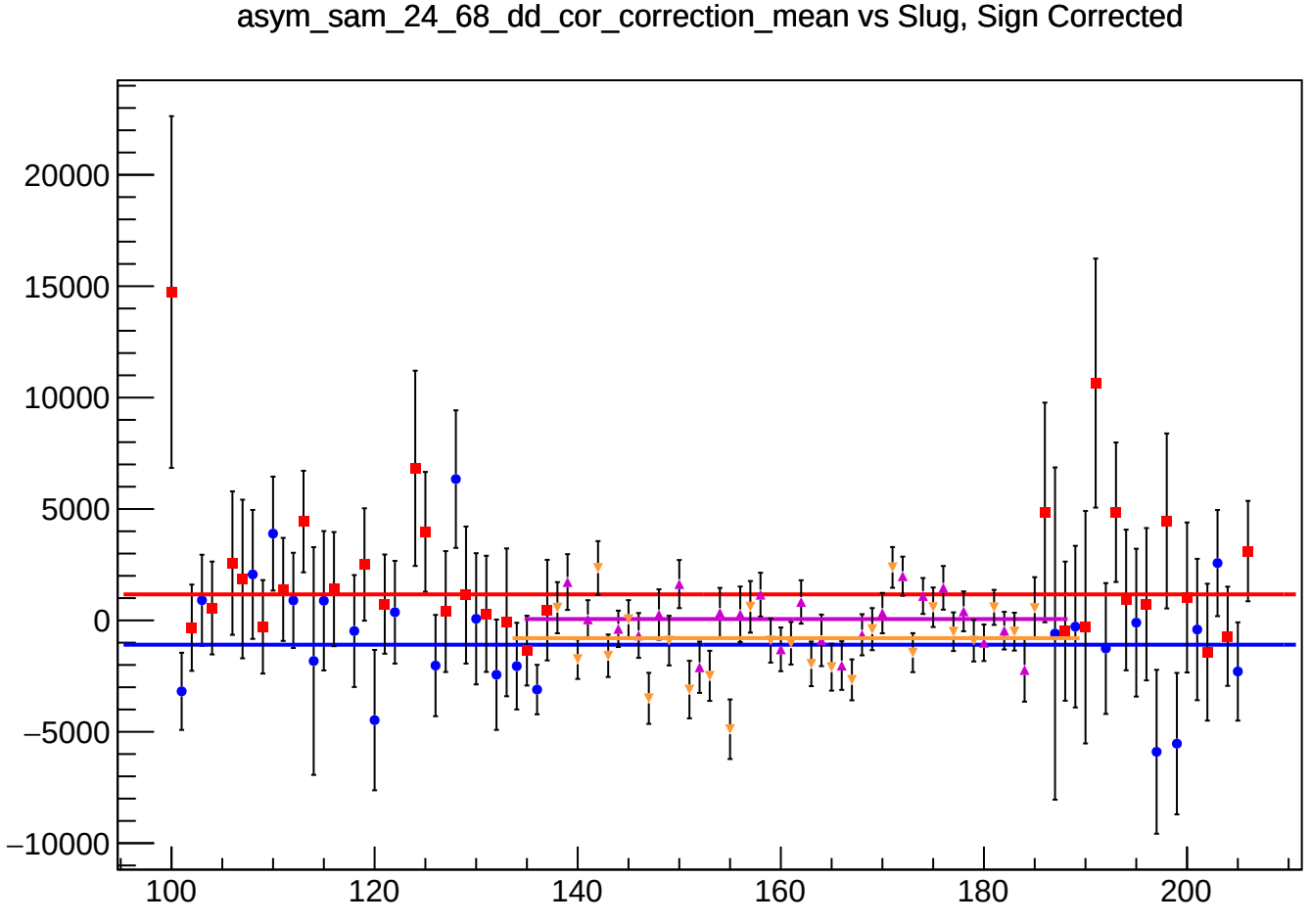
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

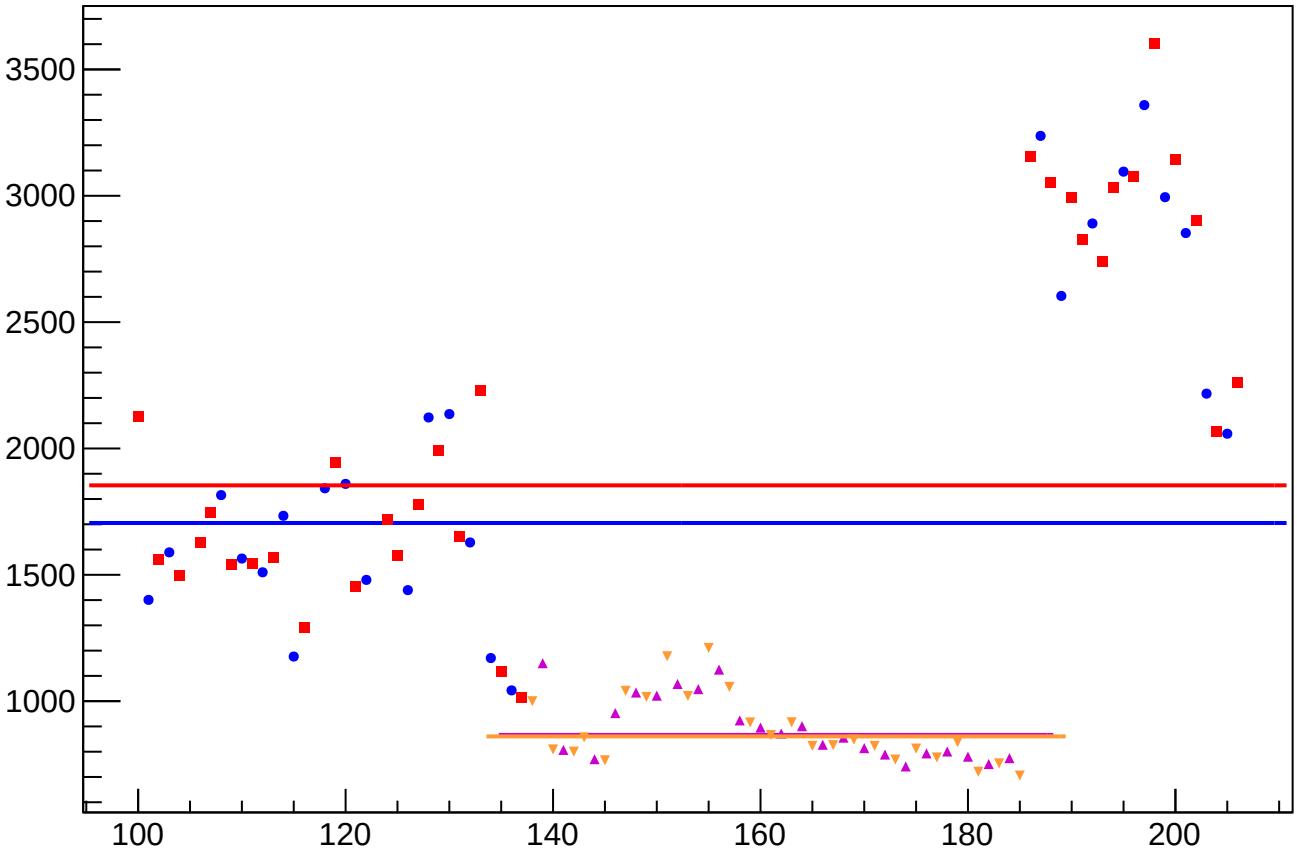
Right: 99.634+/-0.013 χ^2/NDF: 2146289.1/55

In: 84.736+/-0.011 χ^2/NDF:1773464.9/47

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.388+/-0.007 χ^2/NDF: 4434512.2/103


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1091.957+/-484.594 χ²/NDF: 26.8/24
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1168.950+/-485.718 χ²/NDF: 20.6/30
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 35.878+/-343.056 χ²/NDF: 58.3/55
In: -114.475+/-188.361 χ²/NDF:62.0/47
Out: -517.144+/-183.259 χ²/NDF:94.1/55
All: -321.337+/-131.350 χ²/NDF: 158.5/103



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

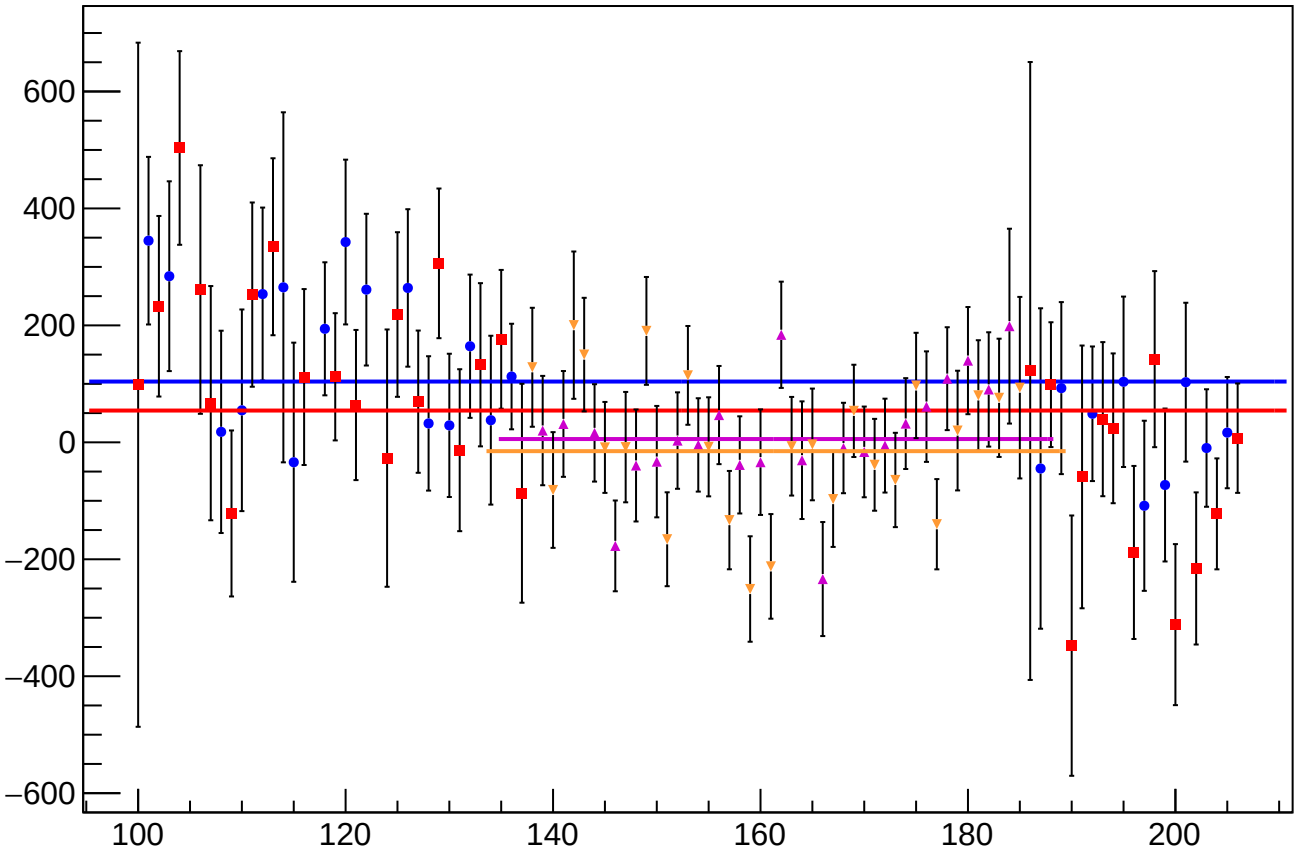
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1779.431+/-0.243 χ^2/NDF: 6741869.4/55

In: 993.079+/-0.133 χ^2/NDF:8874849.8/47

Out: 1001.931+/-0.130 χ^2/NDF:11349545.0/55

All: 997.627+/-0.093 χ^2/NDF: 20226664.4/10



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.362+/-25.556 χ^2/NDF: 46.1/30

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

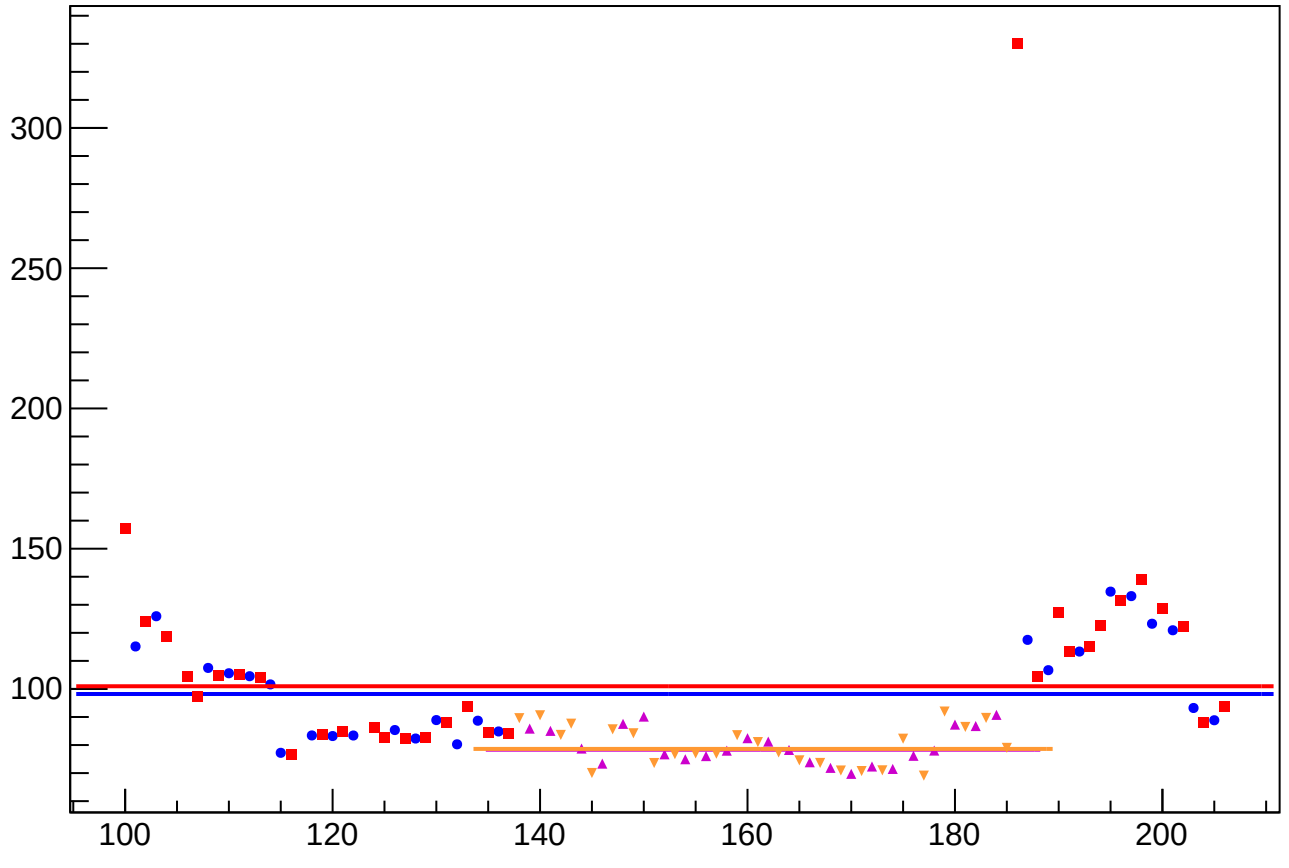
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 78.113+/-18.445 χ^2/NDF: 68.3/55

In: 37.320+/-15.131 χ^2/NDF:52.6/47

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 22.157+/-10.541 χ^2/NDF: 147.2/103



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

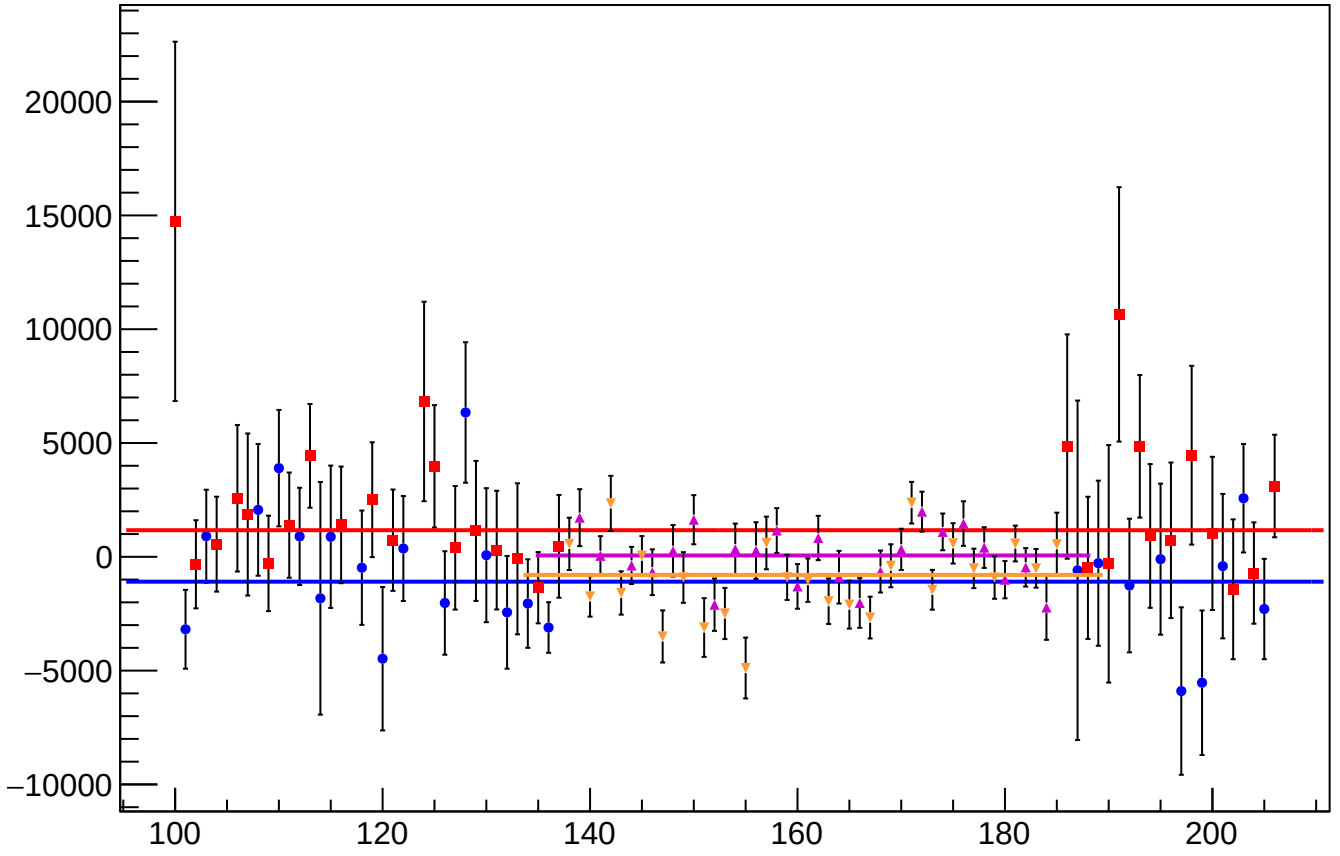
Right: 99.634+/-0.013 χ^2/NDF: 2146289.1/55

In: 84.736+/-0.011 χ^2/NDF:1773464.9/47

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.388+/-0.007 χ^2/NDF: 4434512.2/103

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1168.950+/-485.718 χ^2/NDF: 20.6/30

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

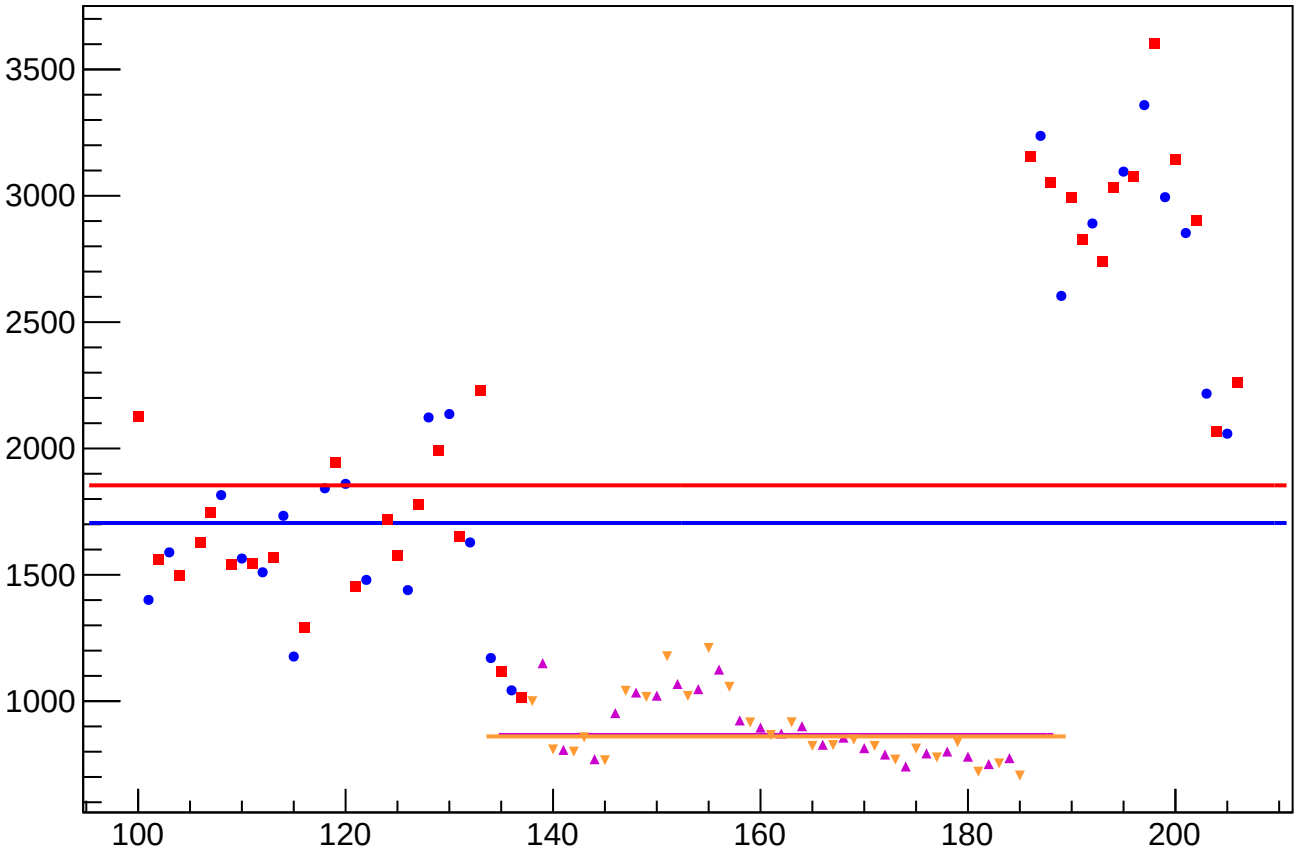
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

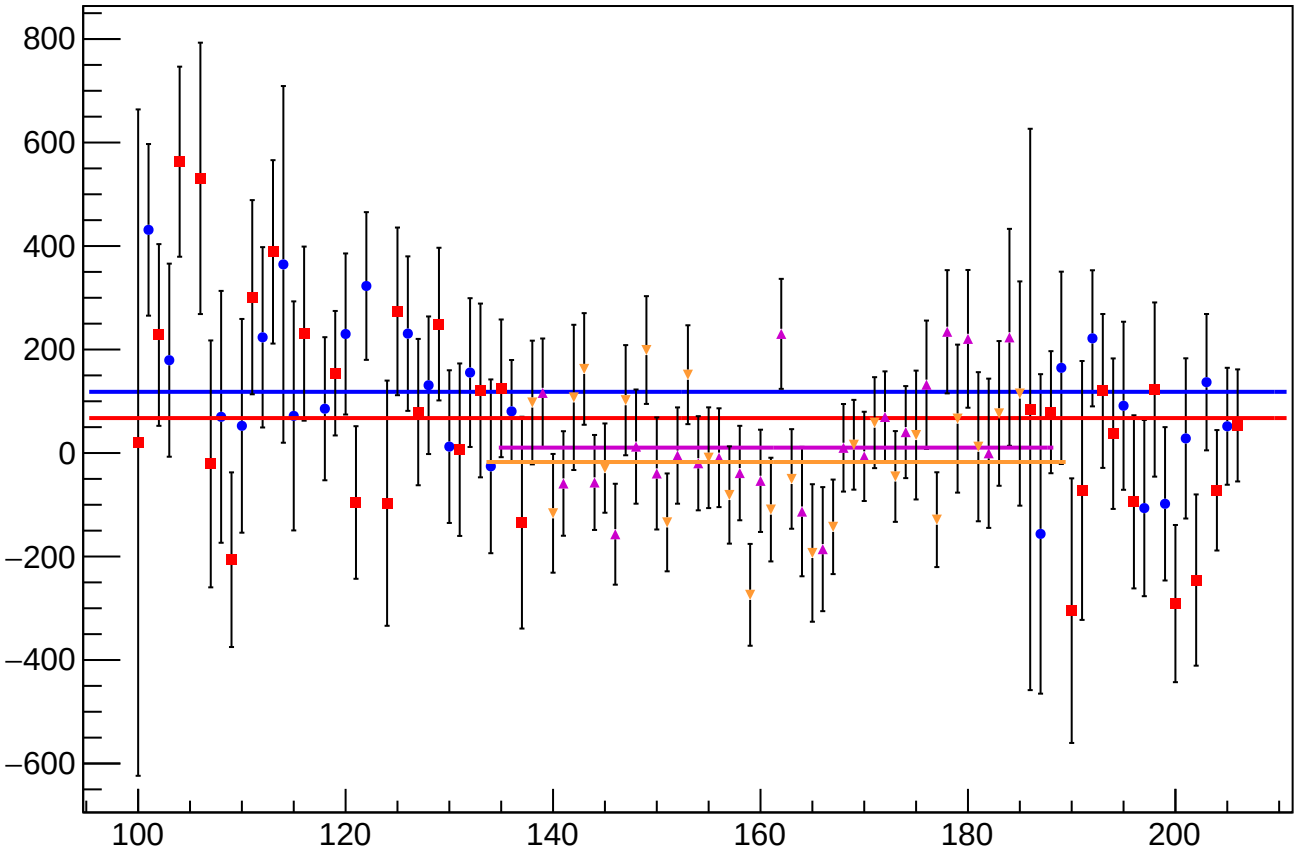
Right: 35.878+/-343.056 χ^2/NDF: 58.3/55

In: -114.475+/-188.361 χ^2/NDF:62.0/47

Out: -517.144+/-183.259 χ^2/NDF:94.1/55

All: -321.337+/-131.350 χ^2/NDF: 158.5/103


asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1705.122+/-0.343 χ²/NDF: 3175038.6/24
Left Out: 860.492+/-0.140 χ²/NDF:699250.7/24
Right Out: 1854.084+/-0.343 χ²/NDF: 3472557.8/30
Left In: 866.352+/-0.145 χ²/NDF:613256.3/22
Left: 863.327+/-0.101 χ²/NDF: 1313355.3/47
Right: 1779.431+/-0.243 χ²/NDF: 6741869.4/55
In: 993.079+/-0.133 χ²/NDF:8874849.8/47
Out: 1001.931+/-0.130 χ²/NDF:11349545.0/55
All: 997.627+/-0.093 χ²/NDF: 20226664.4/10



Right In: 118.262+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 67.536+/-29.422 χ^2/NDF: 40.8/30

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

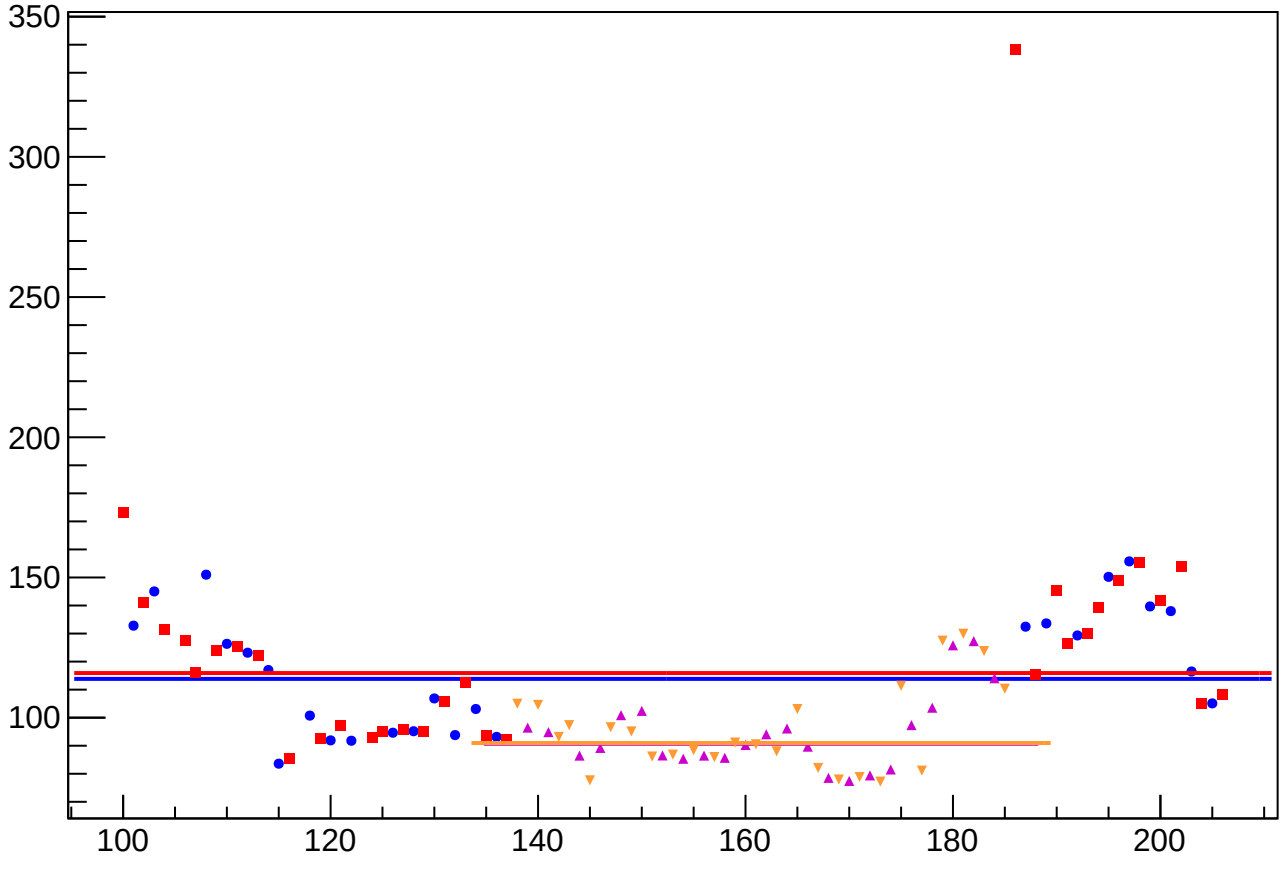
Right: 91.514+/-21.365 χ^2/NDF: 57.7/55

In: 45.333+/-17.683 χ^2/NDF:46.3/47

Out: 11.271+/-17.085 χ^2/NDF:77.5/55

All: 27.717+/-12.287 χ^2/NDF: 125.7/103

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 113.840+/-0.022 χ^2/NDF: 897034.8/24

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.913+/-0.021 χ^2/NDF: 1297527.2/30

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

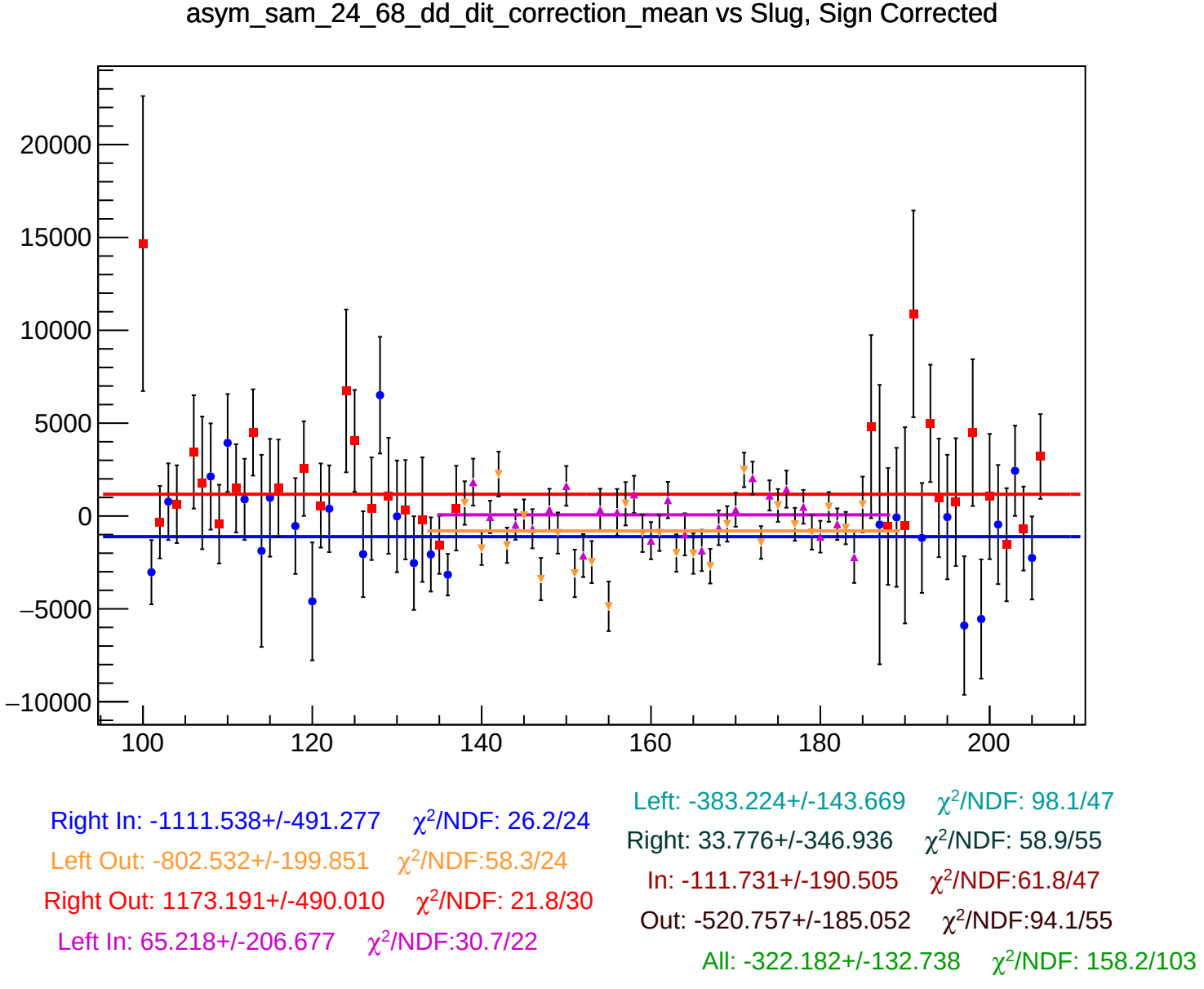
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

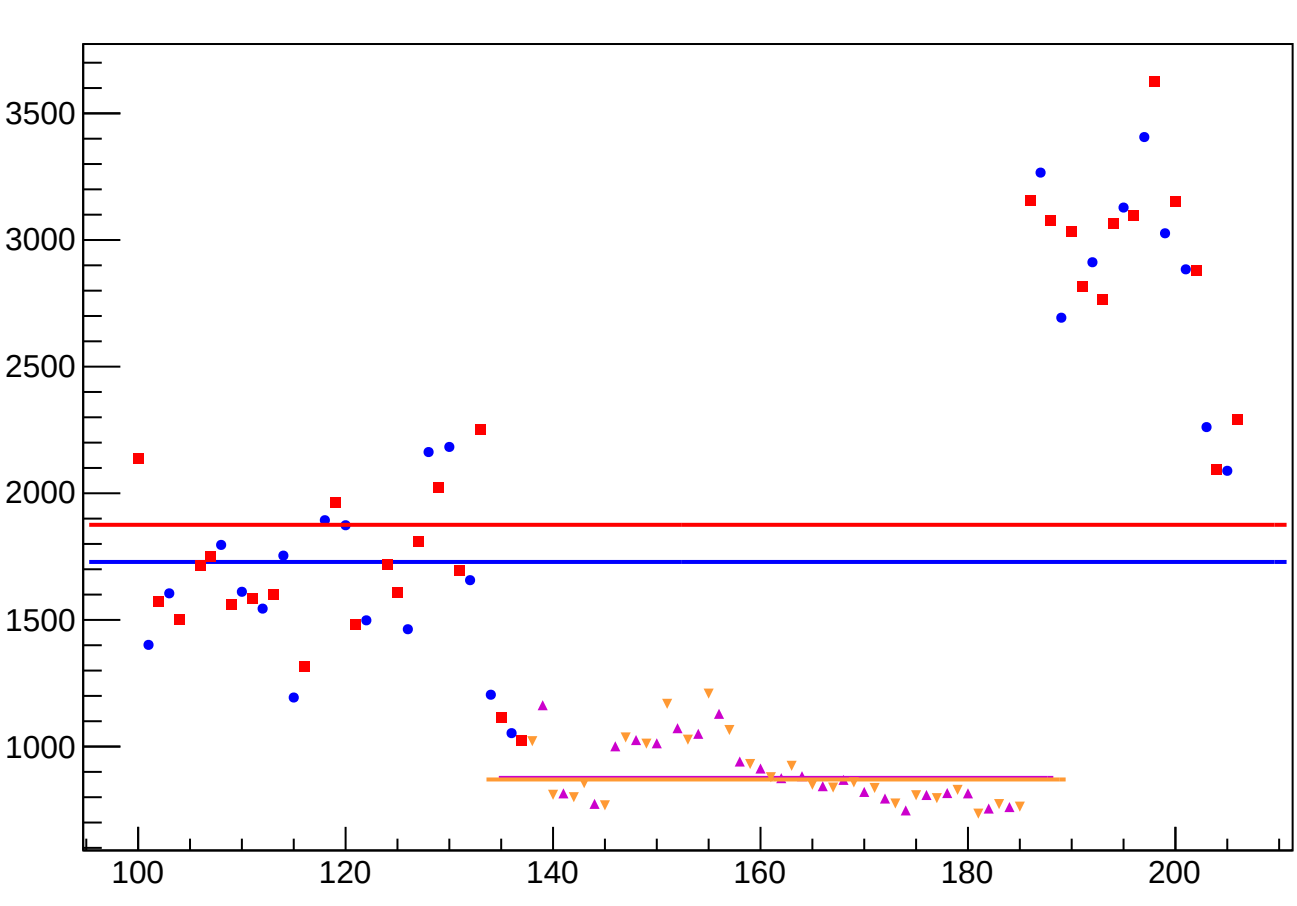
Right: 114.933+/-0.015 χ^2/NDF: 2199252.2/55

In: 98.186+/-0.013 χ^2/NDF:2193577.7/47

Out: 99.379+/-0.012 χ^2/NDF:3034960.3/55

All: 98.803+/-0.009 χ^2/NDF: 5233248.3/103


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1111.538+/-491.277 χ²/NDF: 26.2/24
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1173.191+/-490.010 χ²/NDF: 21.8/30
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 33.776+/-346.936 χ²/NDF: 58.9/55
In: -111.731+/-190.505 χ²/NDF:61.8/47
Out: -520.757+/-185.052 χ²/NDF:94.1/55
All: -322.182+/-132.738 χ²/NDF: 158.2/103



Right In: 1728.890+/-0.347 χ^2/NDF: 3185992.7/24

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1875.498+/-0.346 χ^2/NDF: 3441857.7/30

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

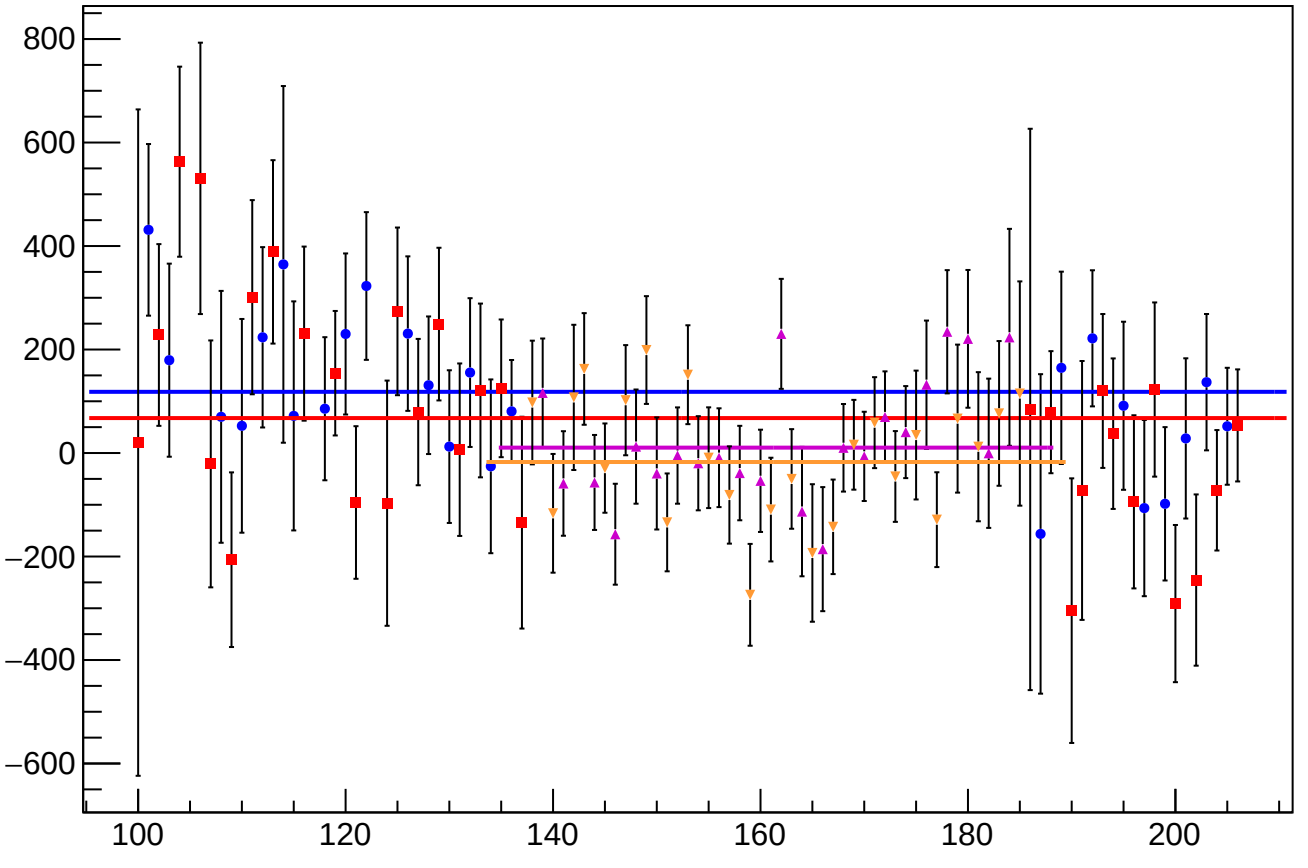
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1802.383+/-0.245 χ^2/NDF: 6717136.1/55

In: 1004.481+/-0.135 χ^2/NDF:8901363.1/47

Out: 1013.410+/-0.131 χ^2/NDF:11309326.7/55

All: 1009.075+/-0.094 χ^2/NDF: 20212950.3/1



Right In: 118.264+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 67.536+/-29.422 χ^2/NDF: 40.8/30

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

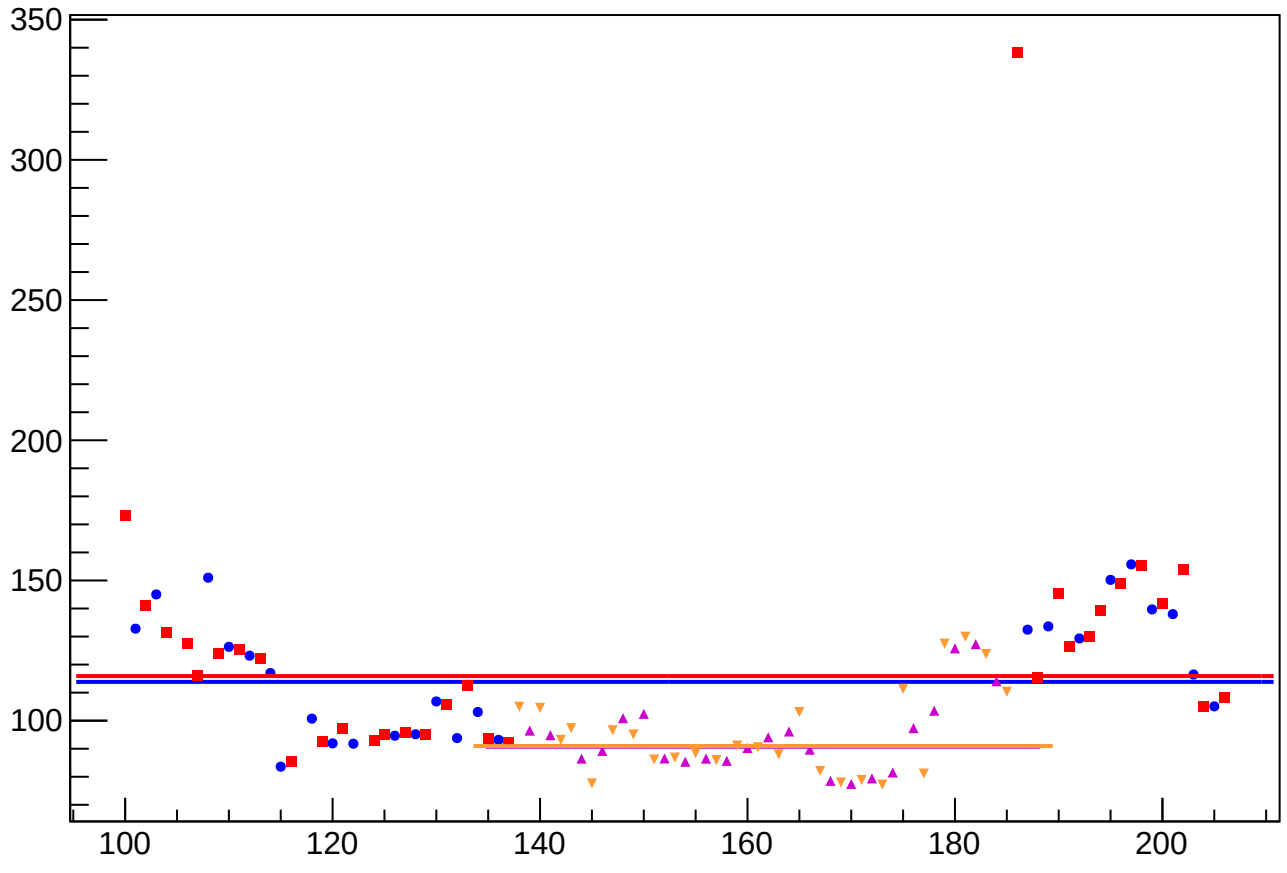
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 91.515+/-21.365 χ^2/NDF: 57.7/55

In: 45.334+/-17.683 χ^2/NDF:46.3/47

Out: 11.272+/-17.085 χ^2/NDF:77.5/55

All: 27.718+/-12.287 χ^2/NDF: 125.7/103



Right In: 113.839+/-0.022 χ^2/NDF: 897056.7/24

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 115.912+/-0.021 χ^2/NDF: 1297549.8/30

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

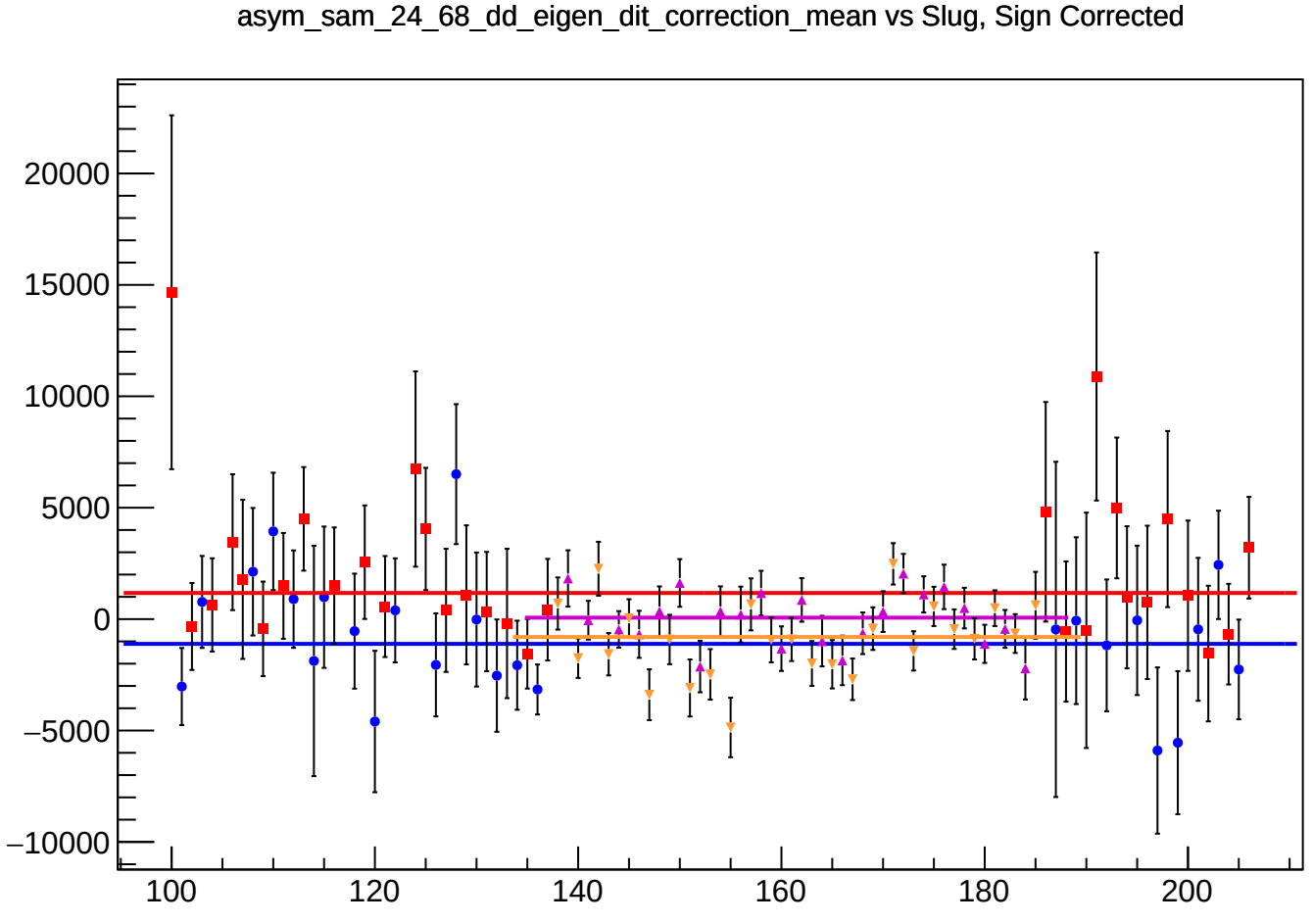
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 114.932+/-0.015 χ^2/NDF: 2199298.2/55

In: 98.186+/-0.013 χ^2/NDF:2193547.3/47

Out: 99.379+/-0.012 χ^2/NDF:3034948.0/55

All: 98.803+/-0.009 χ^2/NDF: 5233207.0/103



Right In: -1111.534+/-491.276 χ^2/NDF: 26.2/24

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1173.190+/-490.009 χ^2/NDF: 21.8/30

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

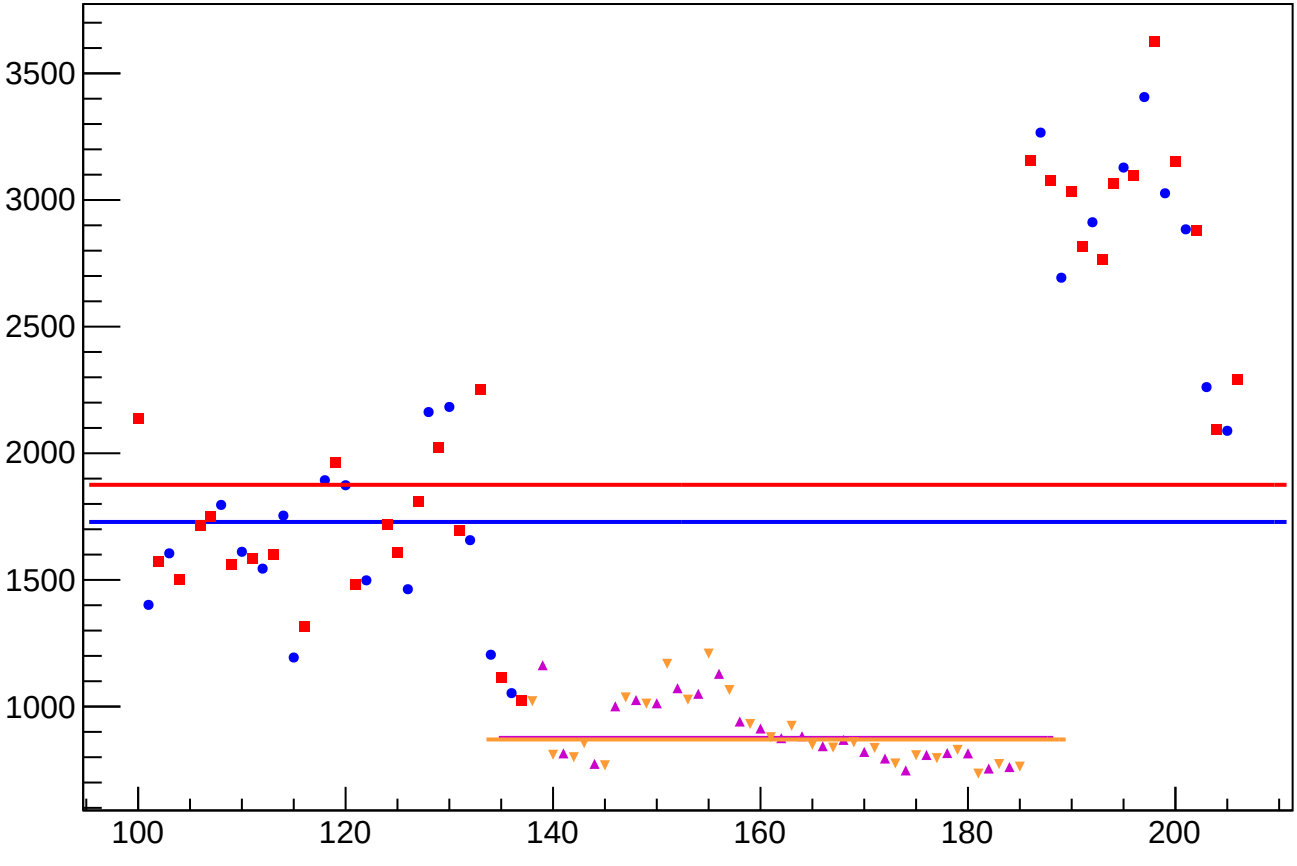
Right: 33.778+/-346.936 χ^2/NDF: 58.9/55

In: -111.731+/-190.505 χ^2/NDF:61.8/47

Out: -520.756+/-185.052 χ^2/NDF:94.1/55

All: -322.182+/-132.737 χ^2/NDF: 158.2/103

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1728.887+/-0.347 χ^2/NDF: 3185997.3/24

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1875.495+/-0.346 χ^2/NDF: 3441868.7/30

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

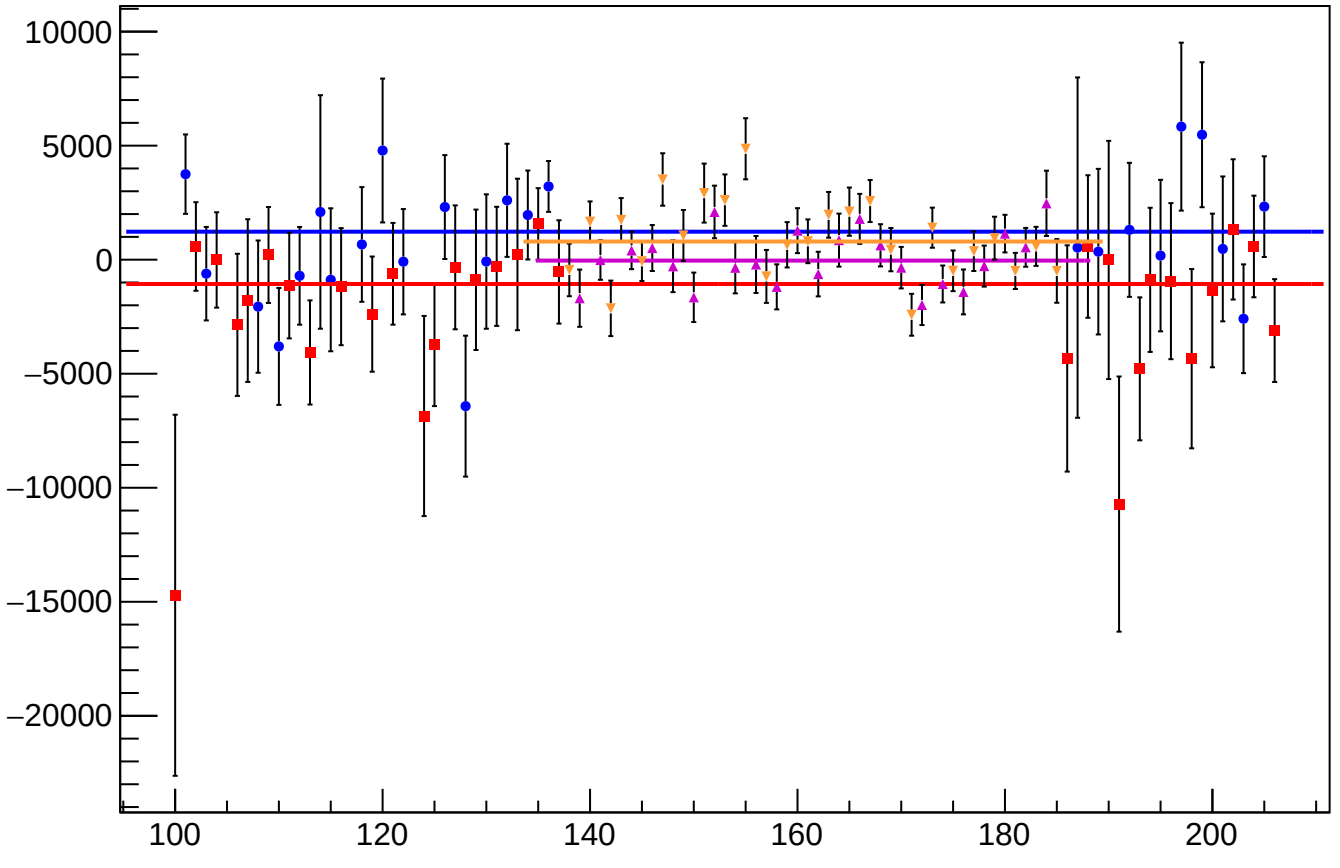
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1802.380+/-0.245 χ^2/NDF: 6717151.6/55

In: 1004.480+/-0.135 χ^2/NDF:8901358.8/47

Out: 1013.409+/-0.131 χ^2/NDF:11309324.7/55

All: 1009.075+/-0.094 χ^2/NDF: 20212944.1/



Right In: 1227.661+/-485.732 χ^2/NDF: 27.5/24

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1066.592+/-486.244 χ^2/NDF: 20.4/30

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

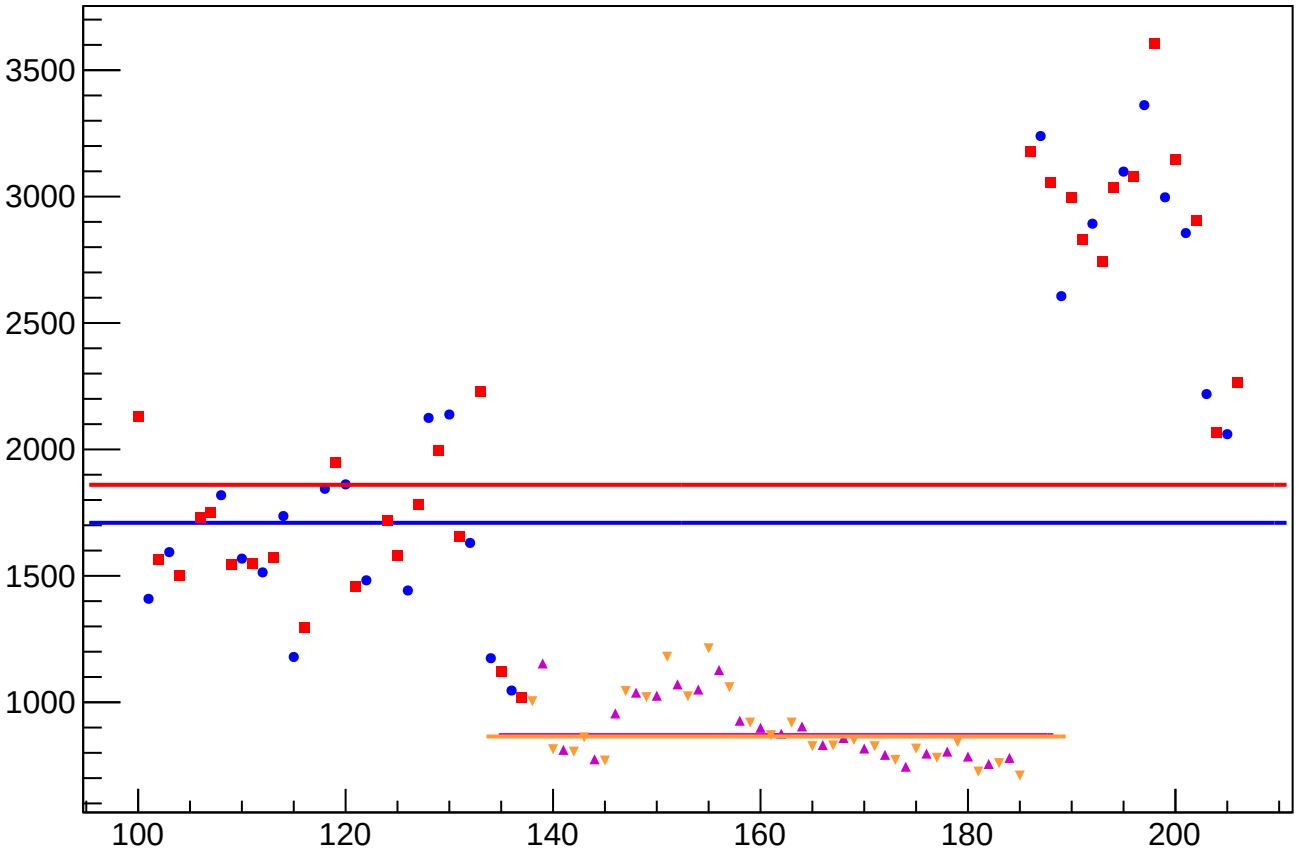
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 81.744+/-343.645 χ^2/NDF: 59.1/55

In: 152.429+/-189.141 χ^2/NDF:63.0/47

Out: 529.486+/-184.016 χ^2/NDF:90.2/55

All: 346.135+/-131.894 χ^2/NDF: 155.3/103



Right In: 1709.761+/-0.343 χ^2/NDF: 3157784.7/24

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1860.076+/-0.344 χ^2/NDF: 3453968.0/30

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

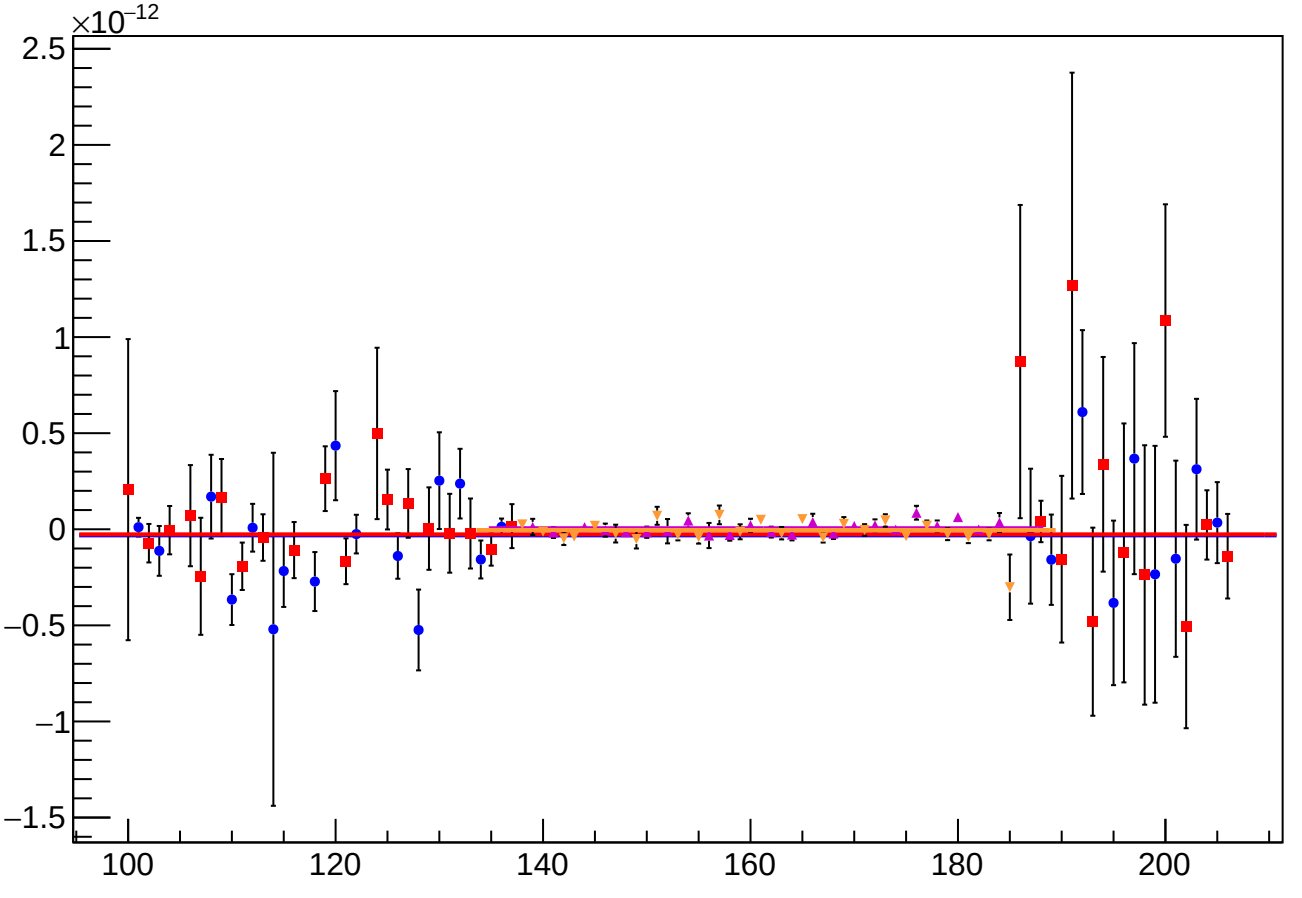
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1784.839+/-0.243 χ^2/NDF: 6707416.9/55

In: 997.625+/-0.134 χ^2/NDF:8829603.3/47

Out: 1007.203+/-0.130 χ^2/NDF:11324492.9/55

All: 1002.545+/-0.093 χ^2/NDF: 20156730.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

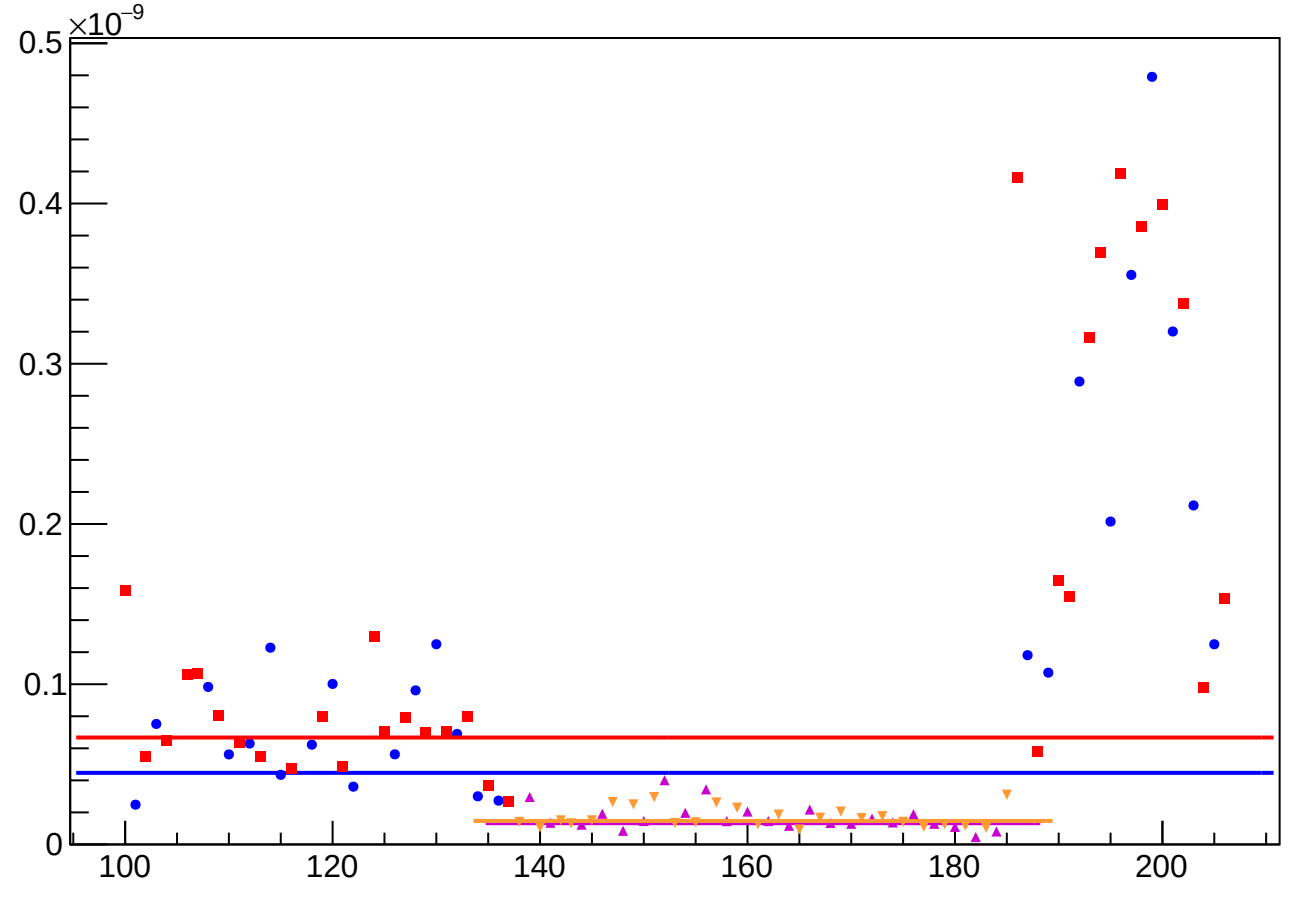
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/55

In: 0.000+/-0.000 χ^2/NDF:55.0/47

Out: -0.000+/-0.000 χ^2/NDF:61.3/55

All: -0.000+/-0.000 χ^2/NDF: 117.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 5326115.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4920424.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

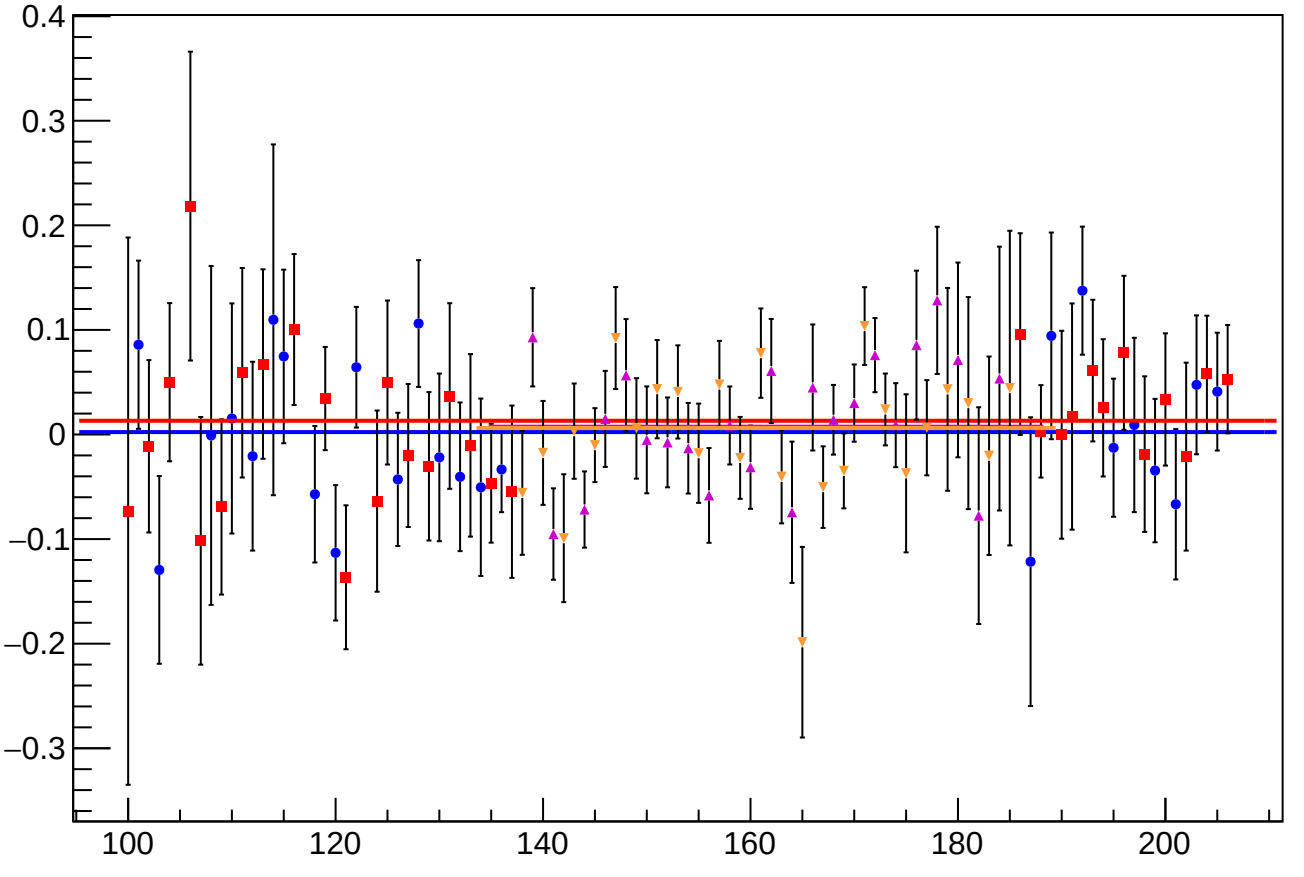
Right: 0.000+/-0.000 χ^2/NDF: 10868935.0/55

In: 0.000+/-0.000 χ^2/NDF:10407384.4/47

Out: 0.000+/-0.000 χ^2/NDF:11424986.2/55

All: 0.000+/-0.000 χ^2/NDF: 21897130.9/103

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

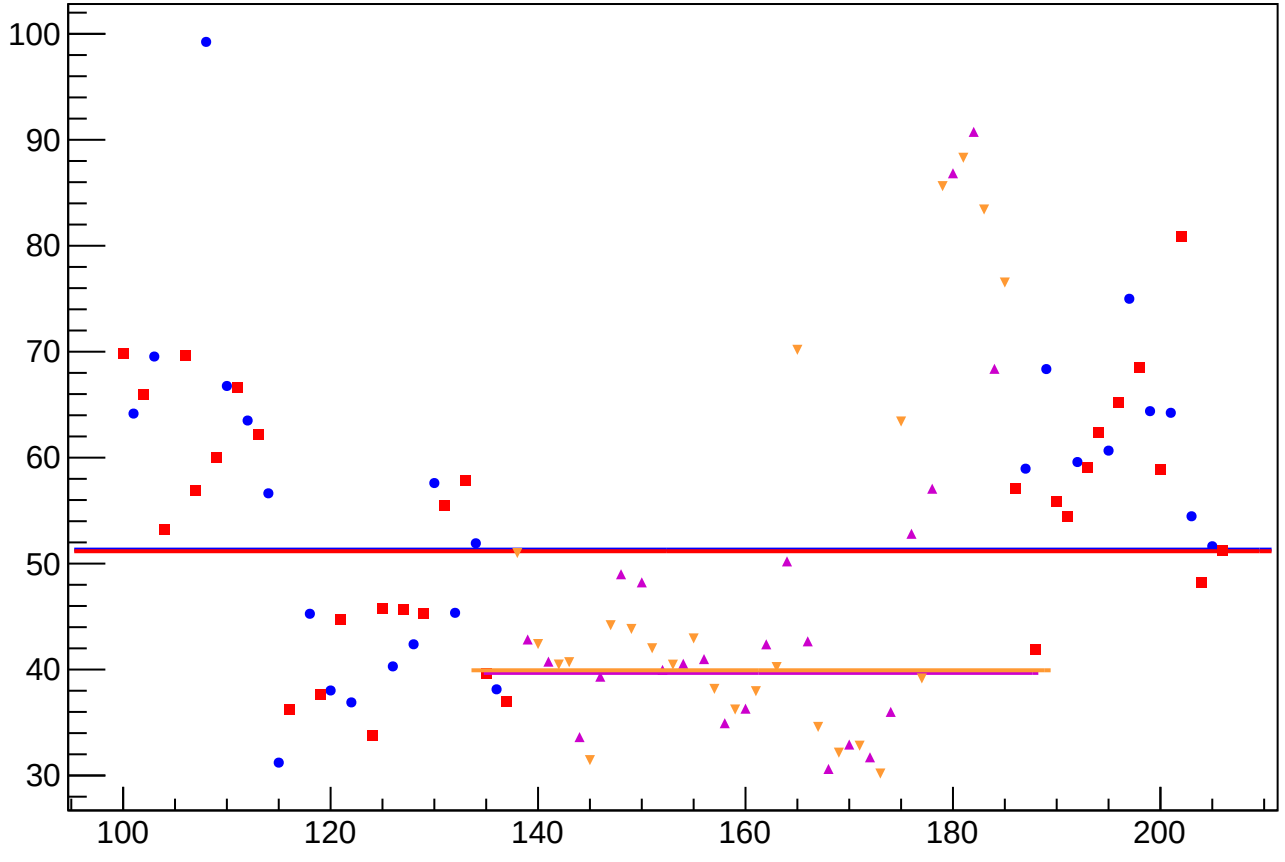
Right: 0.008+/-0.010 χ^2/NDF: 42.3/55

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.007+/-0.006 χ^2/NDF: 103.6/103

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

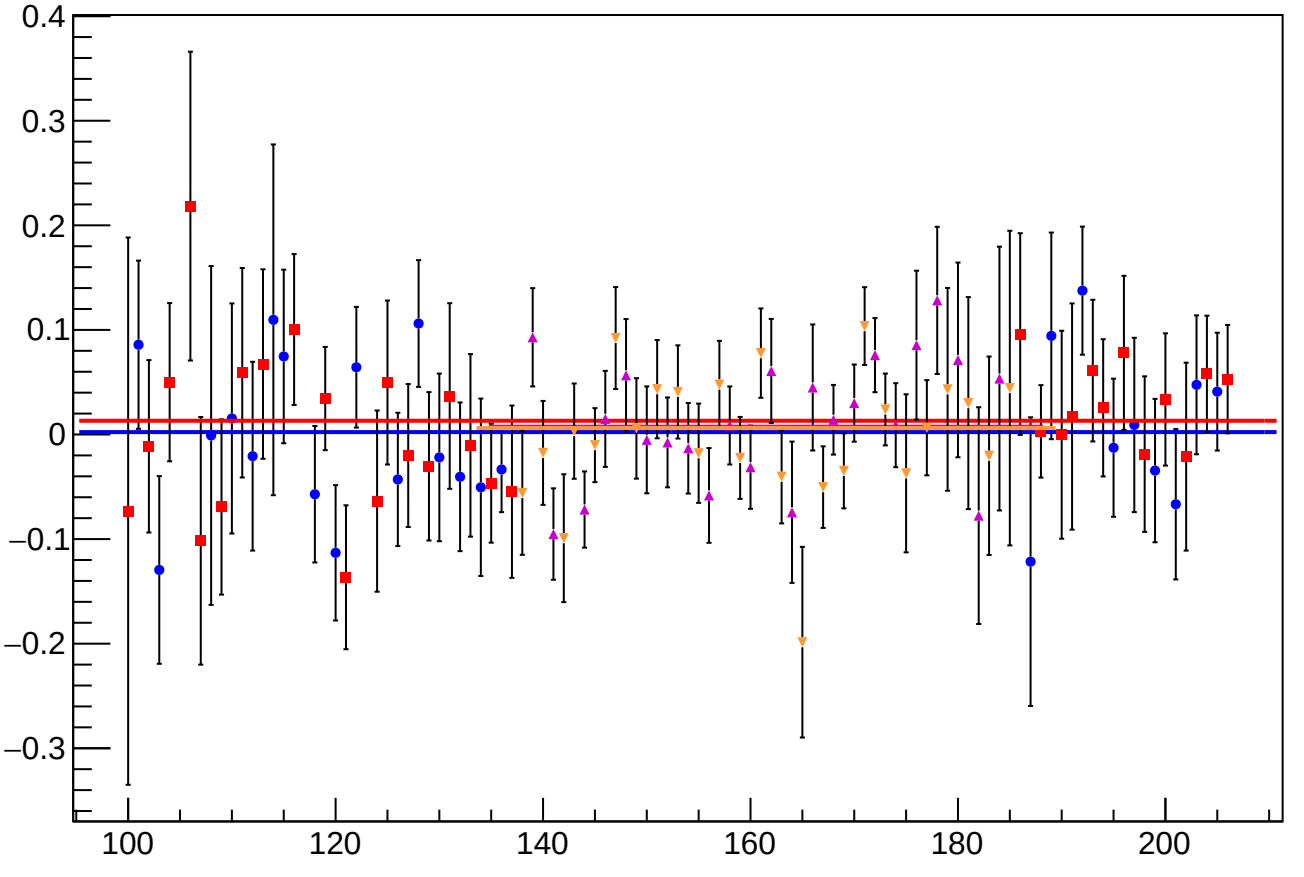
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.237+/-0.007 χ^2/NDF: 2875528.7/55

In: 43.361+/-0.006 χ^2/NDF:4325026.2/47

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.593+/-0.004 χ^2/NDF: 9115686.0/103



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

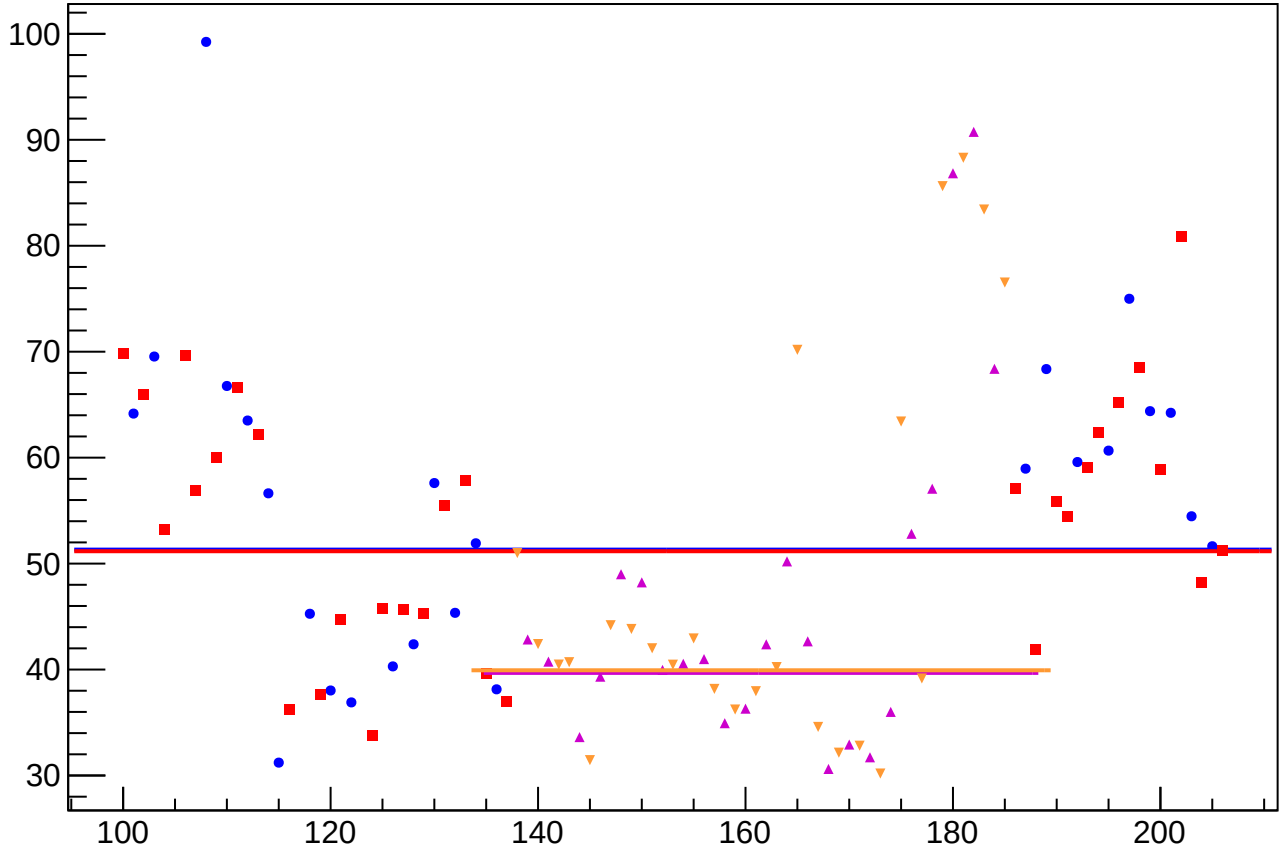
Right: 0.008+/-0.010 χ^2/NDF: 42.3/55

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.007+/-0.006 χ^2/NDF: 103.6/103

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

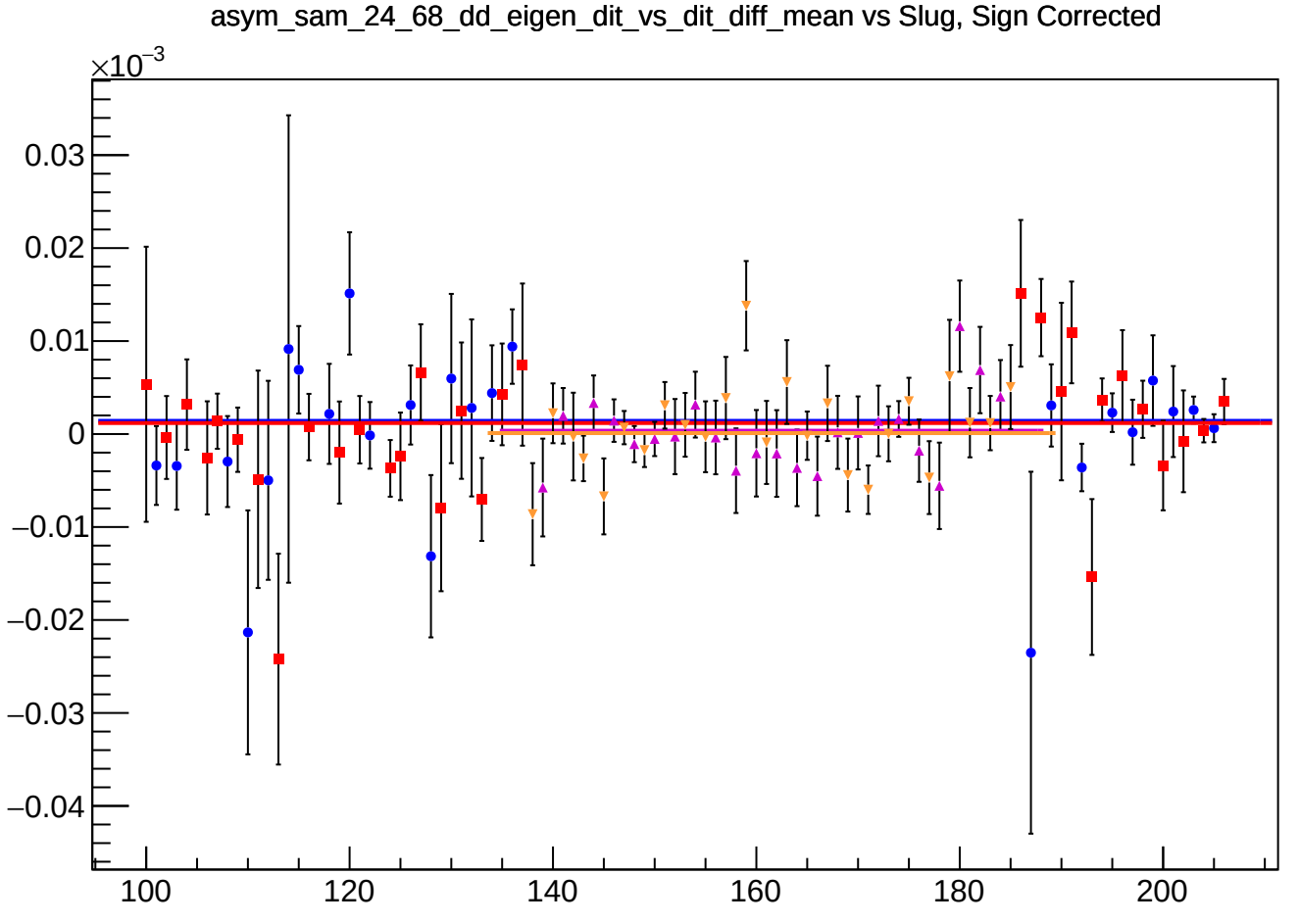
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.237+/-0.007 χ^2/NDF: 2875528.7/55

In: 43.361+/-0.006 χ^2/NDF:4325026.2/47

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.593+/-0.004 χ^2/NDF: 9115686.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

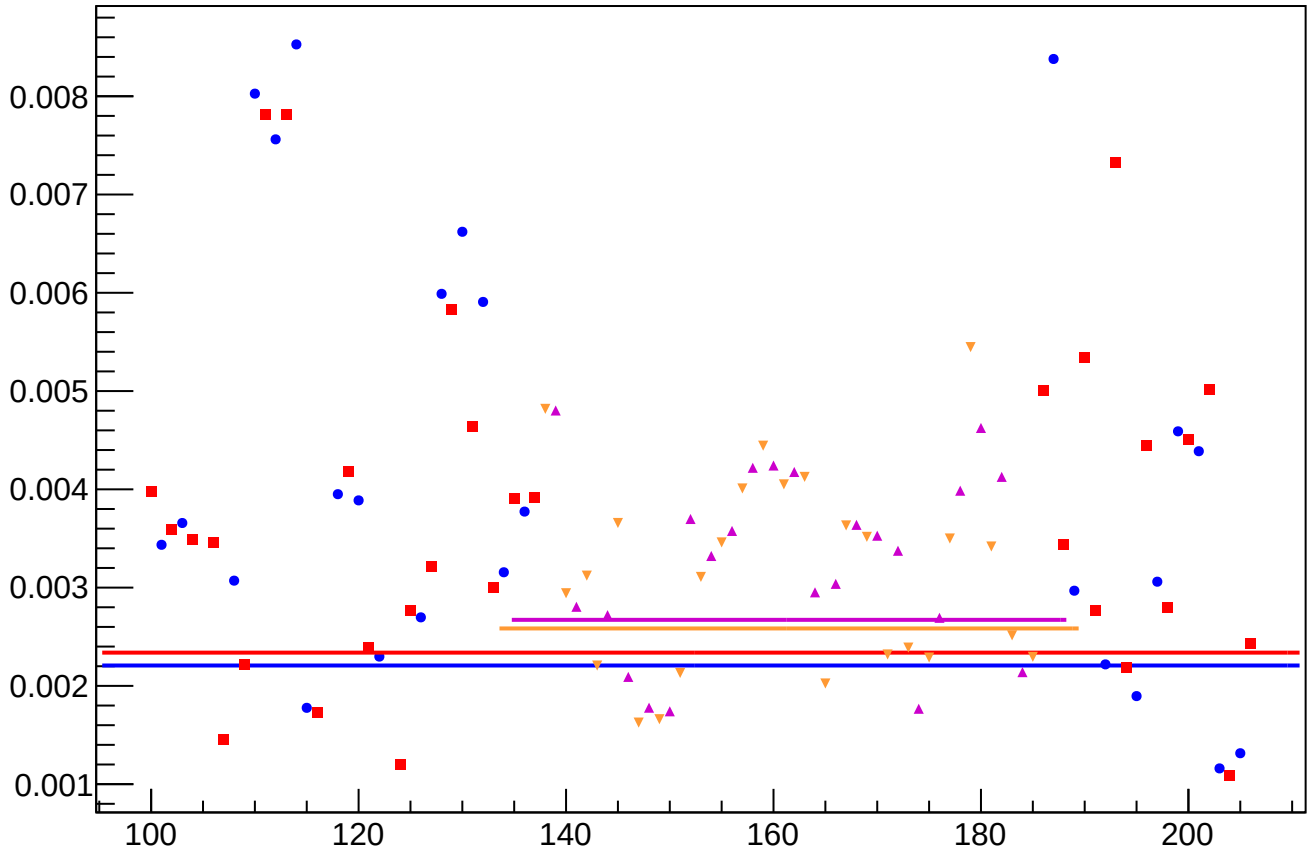
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 66.6/55

In: 0.000+/-0.000 χ^2/NDF:47.7/47

Out: 0.000+/-0.000 χ^2/NDF:73.4/55

All: 0.000+/-0.000 χ^2/NDF: 121.2/103



Right In: 0.002+/-0.000 χ^2/NDF: 6406128.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7428974.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

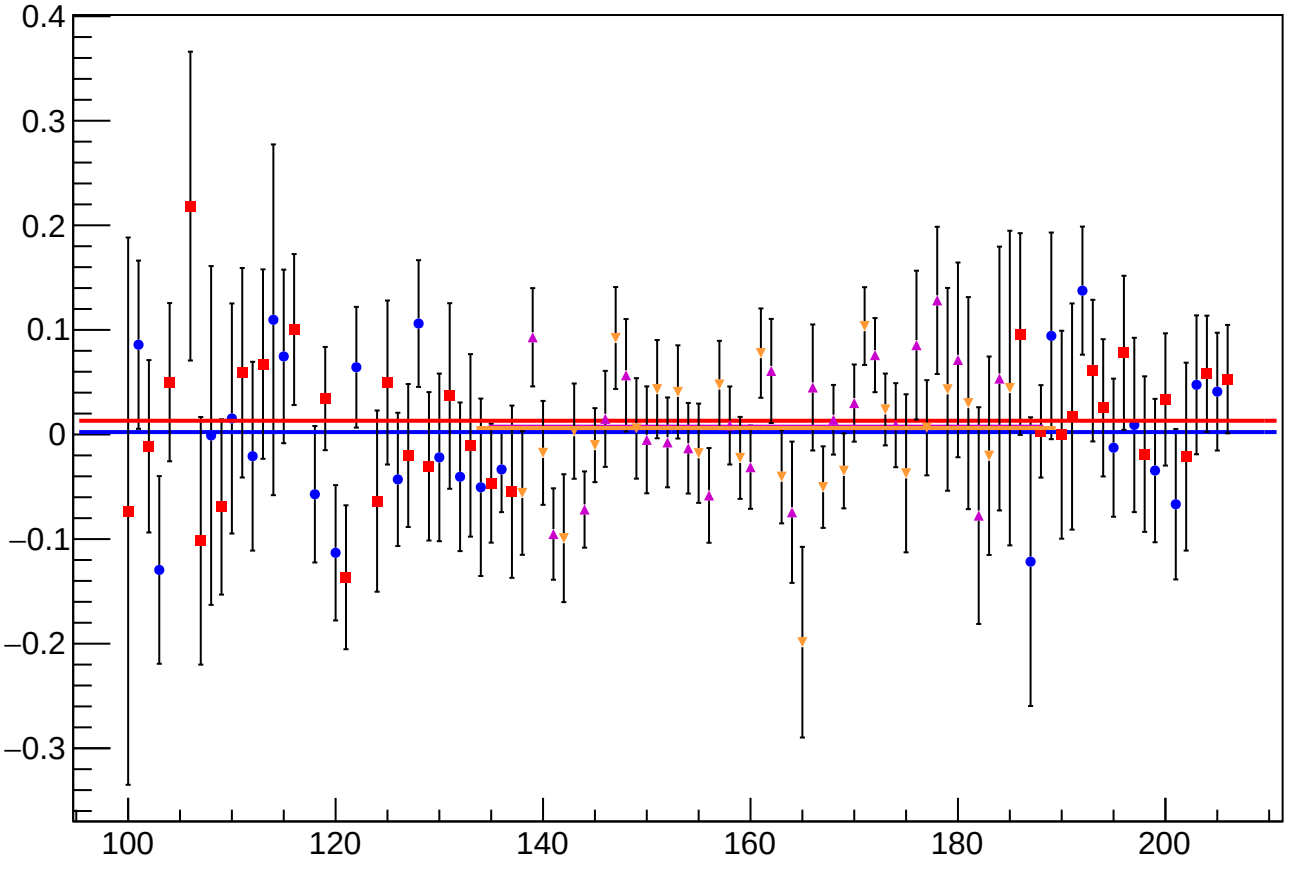
Right: 0.002+/-0.000 χ^2/NDF: 13871461.4/55

In: 0.002+/-0.000 χ^2/NDF:10694035.2/47

Out: 0.002+/-0.000 χ^2/NDF:11464033.1/55

All: 0.002+/-0.000 χ^2/NDF: 22160202.1/103

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

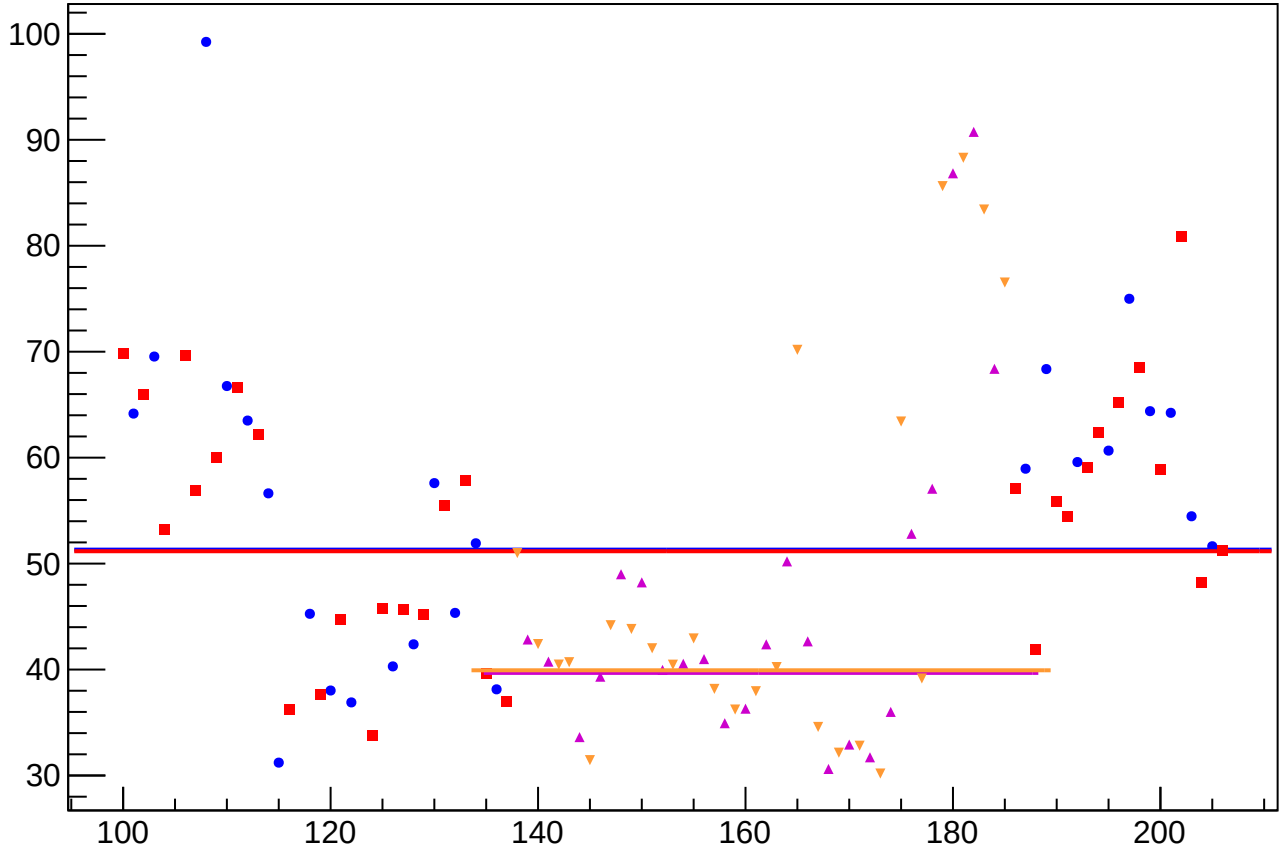
Right: 0.008+/-0.010 χ^2/NDF: 42.3/55

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.007+/-0.006 χ^2/NDF: 103.6/103

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

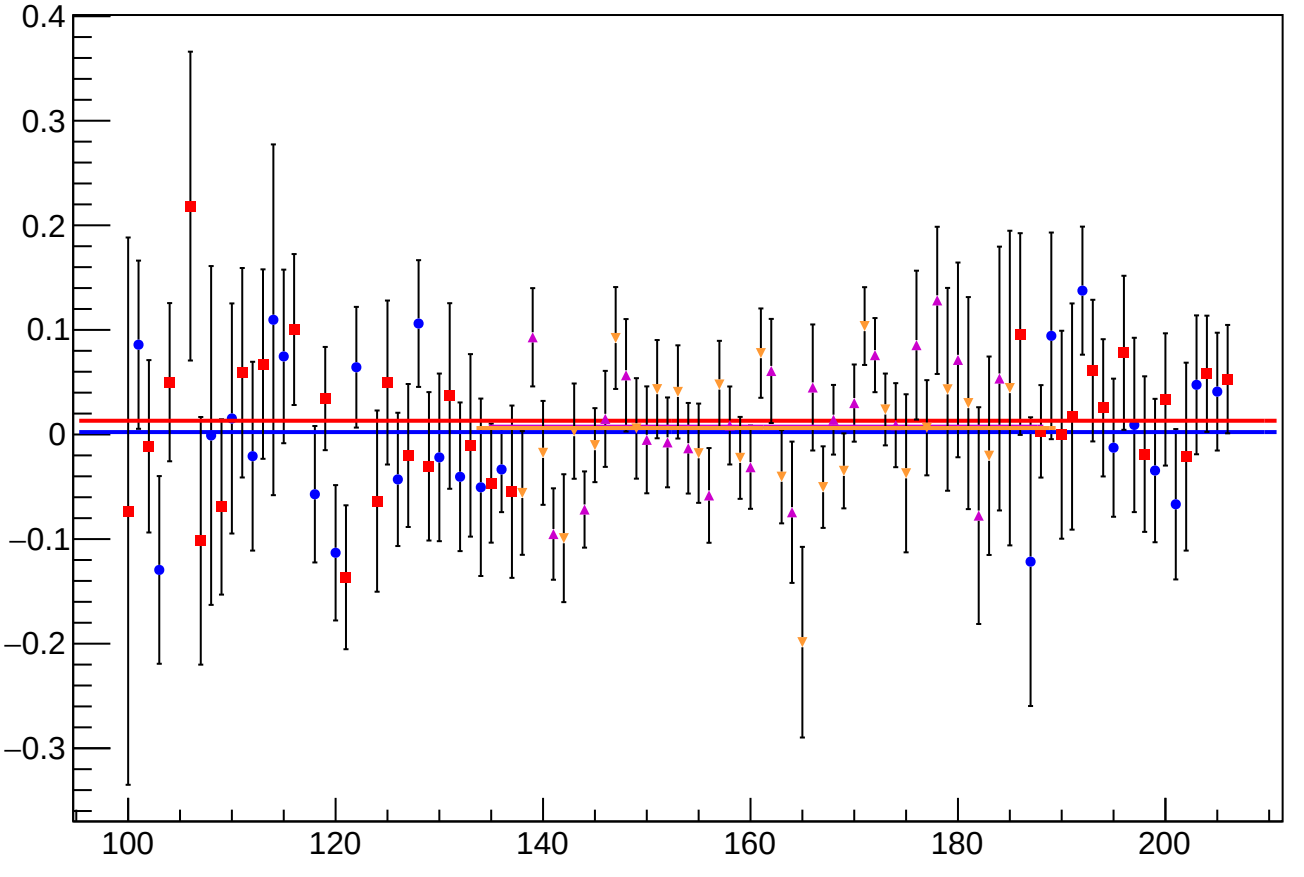
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.236+/-0.007 χ^2/NDF: 2875619.4/55

In: 43.360+/-0.006 χ^2/NDF:4324968.5/47

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.593+/-0.004 χ^2/NDF: 9115594.1/103



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

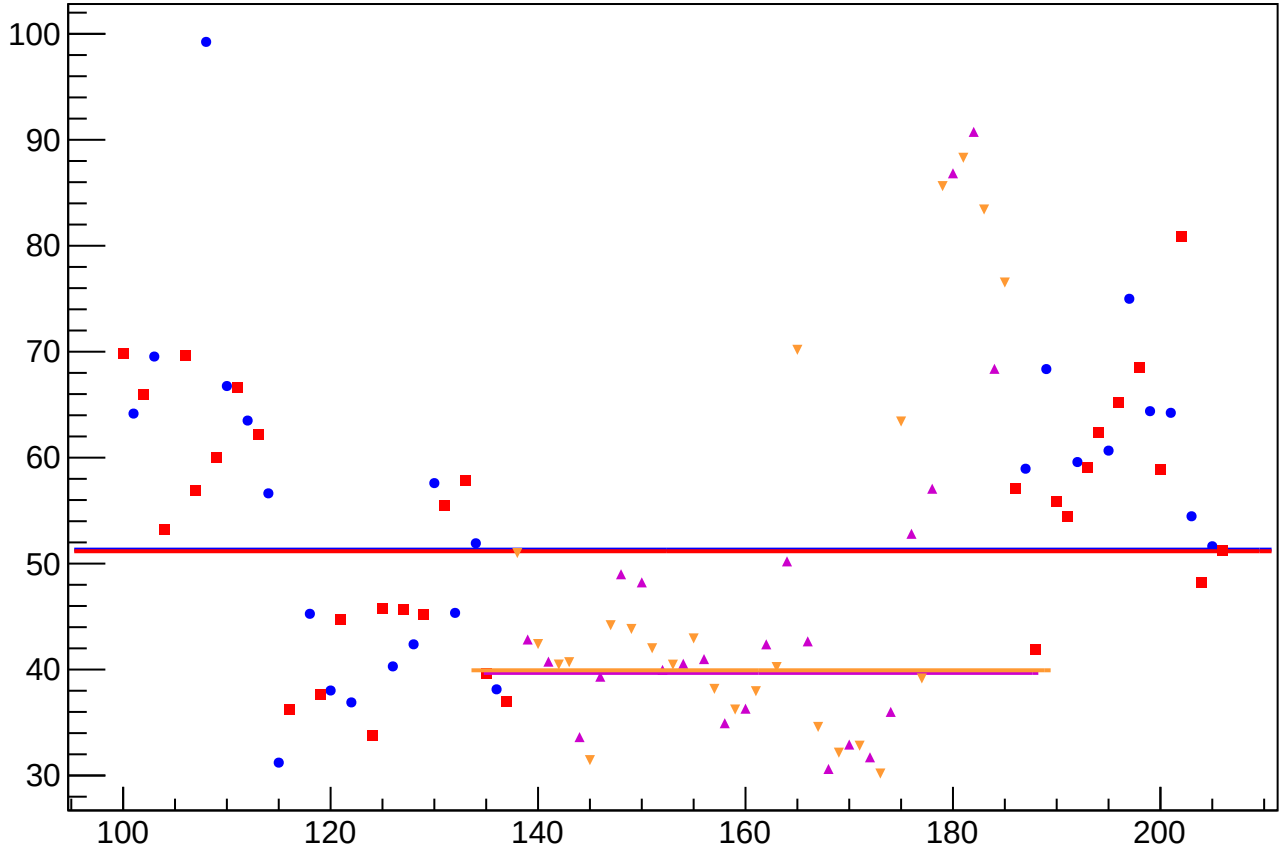
Right: 0.008+/-0.010 χ^2/NDF: 42.3/55

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.007+/-0.006 χ^2/NDF: 103.6/103

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

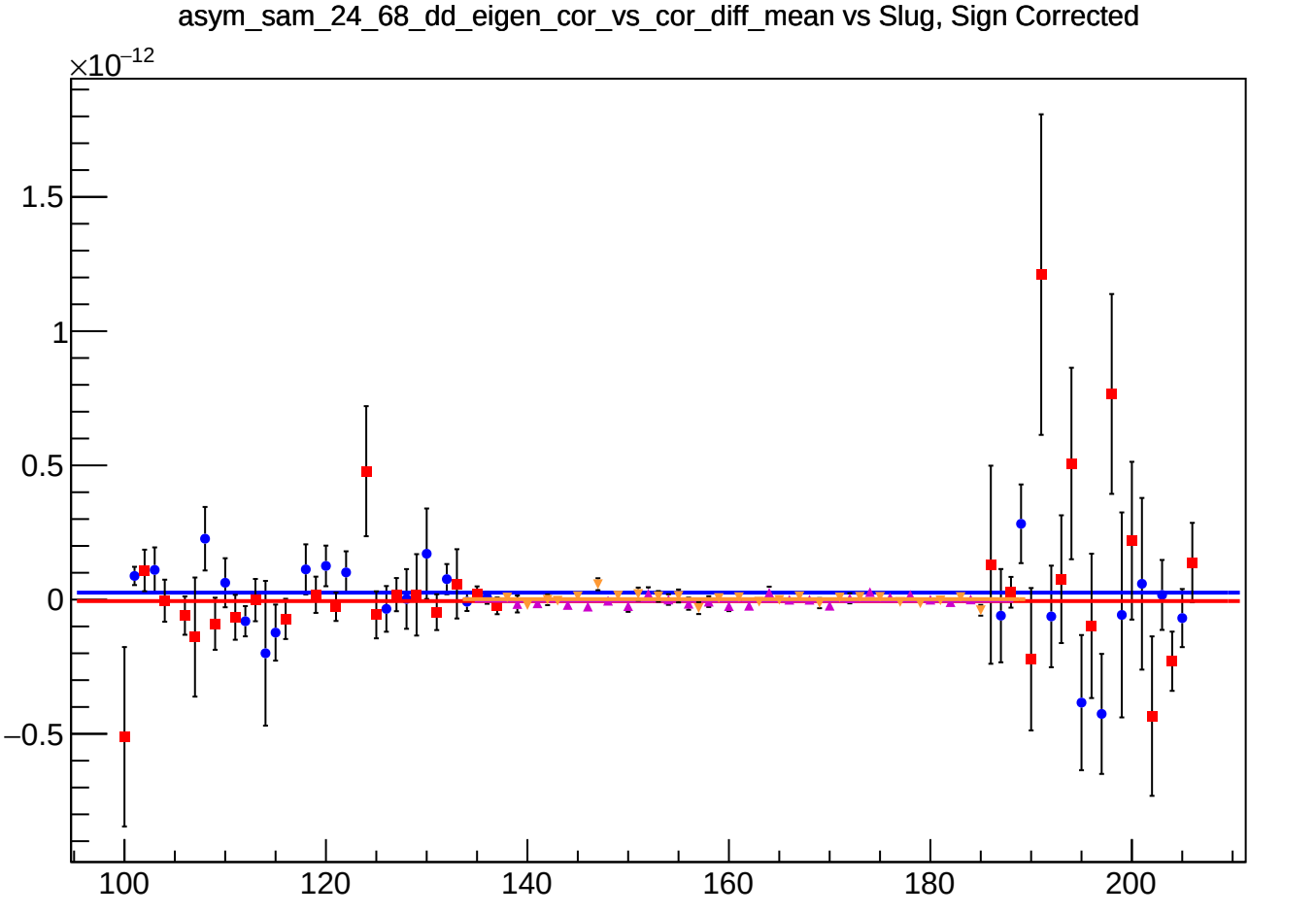
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.236+/-0.007 χ^2/NDF: 2875619.4/55

In: 43.360+/-0.006 χ^2/NDF:4324968.5/47

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.593+/-0.004 χ^2/NDF: 9115594.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/30

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

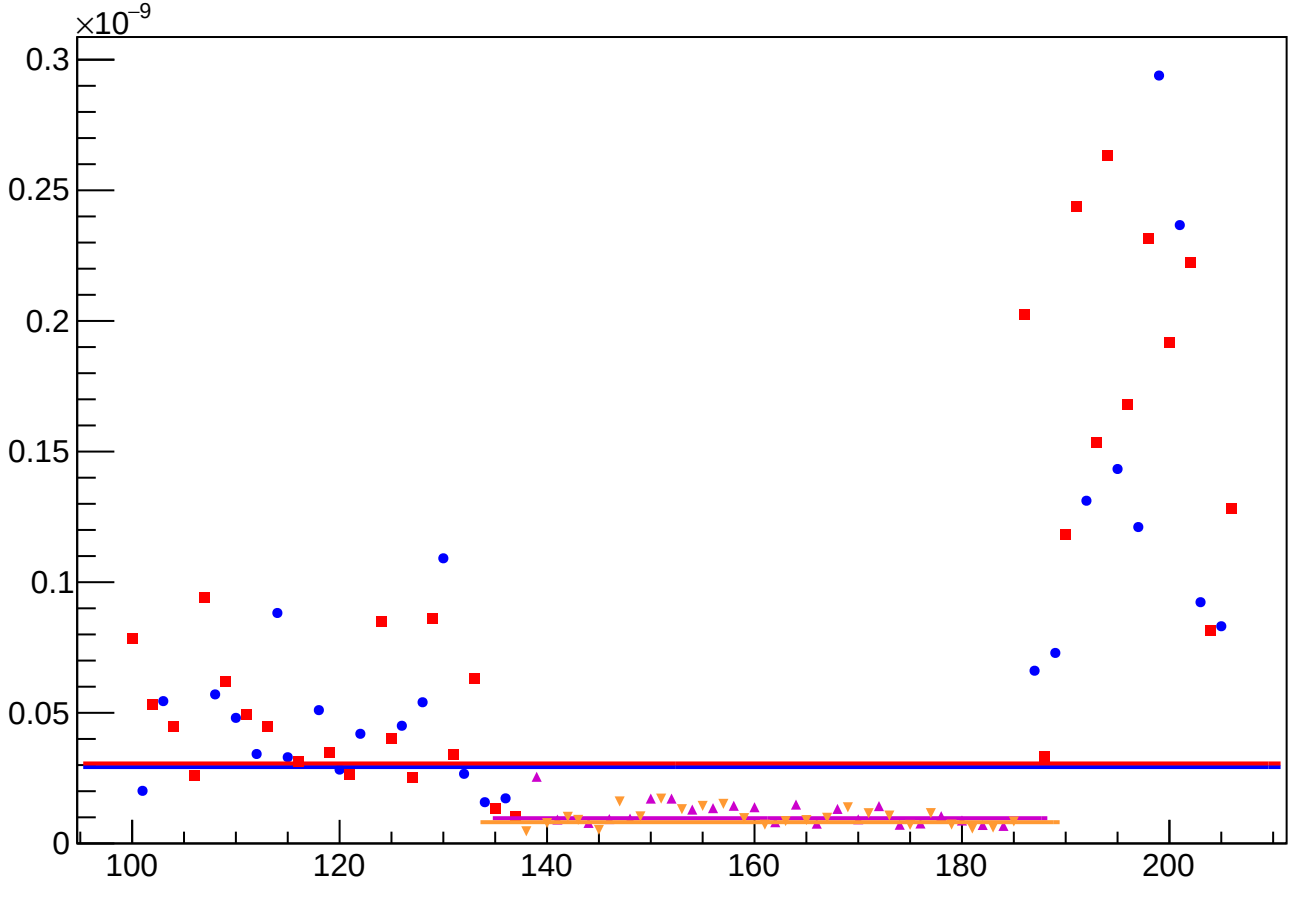
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 68.7/55

In: -0.000+/-0.000 χ^2/NDF:64.5/47

Out: 0.000+/-0.000 χ^2/NDF:62.1/55

All: -0.000+/-0.000 χ^2/NDF: 127.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 6658963.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9155716.5/30

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

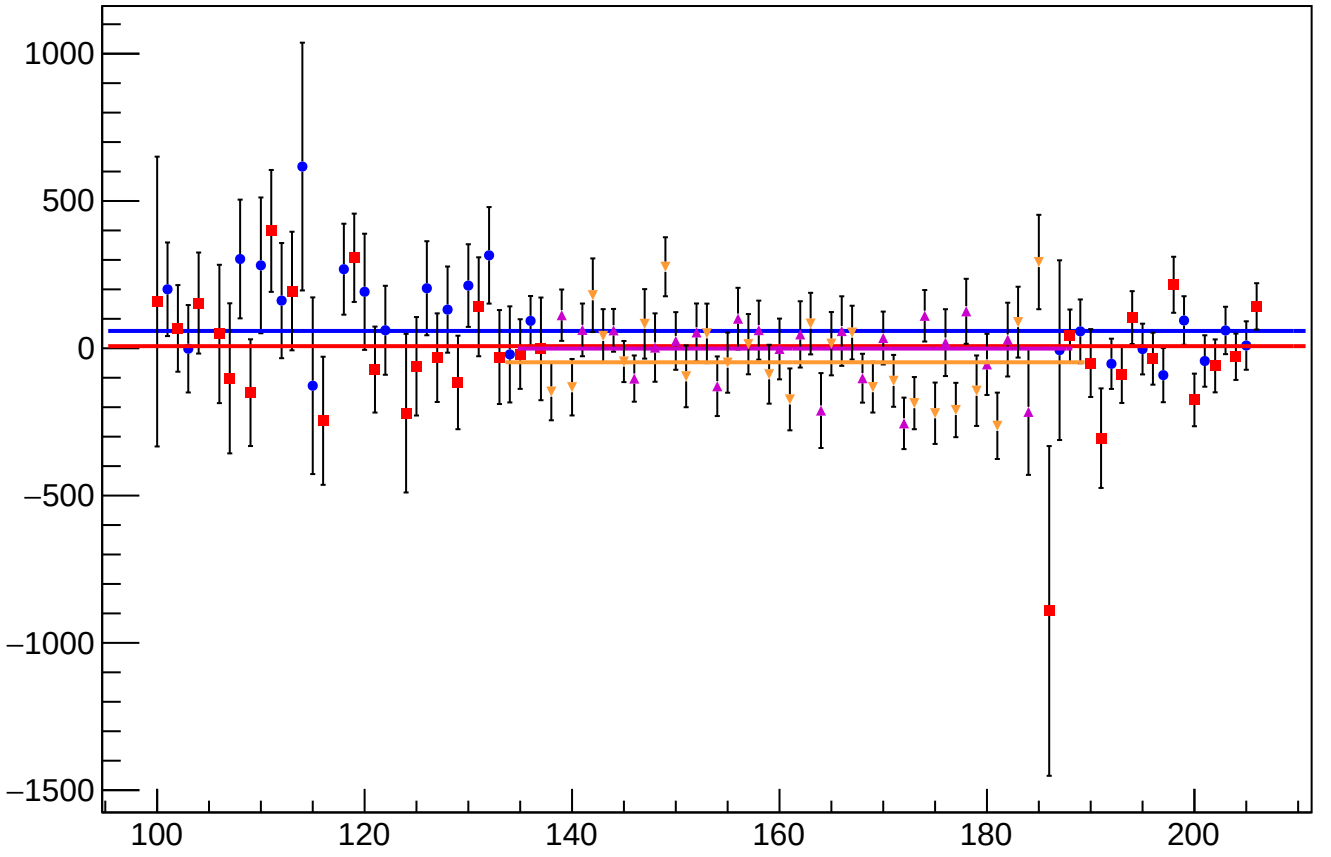
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15825241.2/55

In: 0.000+/-0.000 χ^2/NDF:12967405.6/47

Out: 0.000+/-0.000 χ^2/NDF:16765788.6/55

All: 0.000+/-0.000 χ^2/NDF: 30128795.0/103



Right In: 58.865+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.237+/-22.927 χ^2/NDF: 35.8/30

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

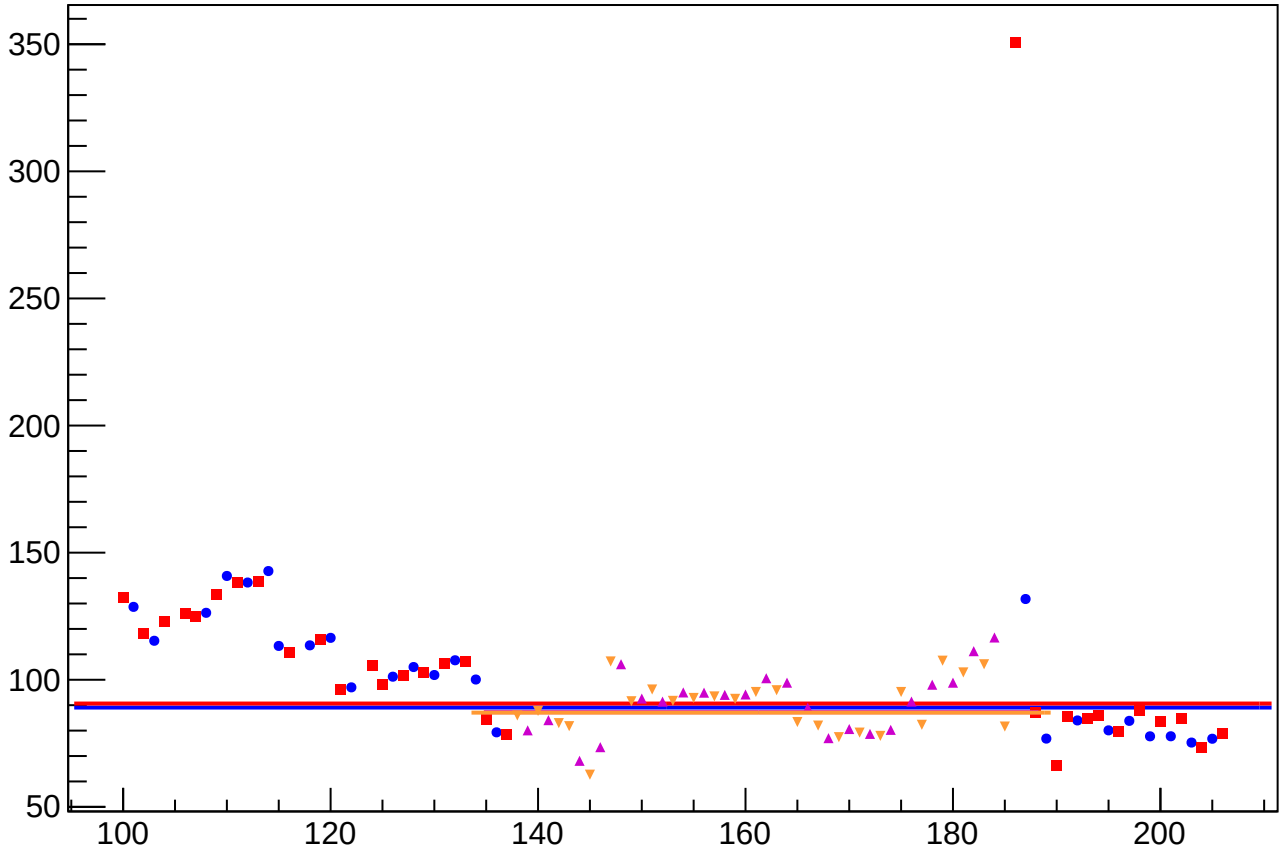
Right: 31.620+/-16.655 χ^2/NDF: 58.3/55

In: 24.124+/-15.698 χ^2/NDF:49.1/47

Out: -23.883+/-15.064 χ^2/NDF:83.0/55

All: -0.868+/-10.869 χ^2/NDF: 137.0/103

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.4/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.649+/-0.016 χ^2/NDF: 1472651.3/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

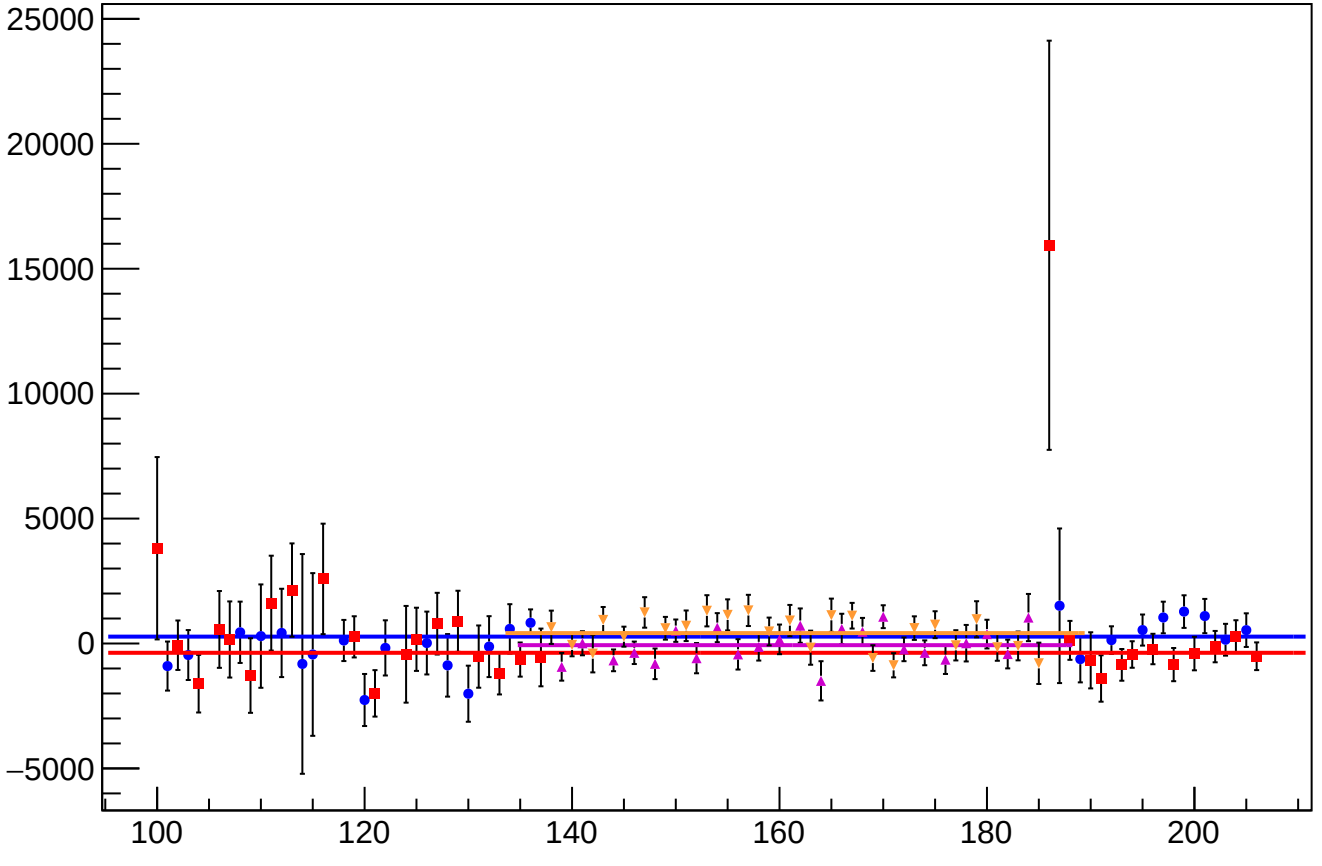
Right: 89.904+/-0.012 χ^2/NDF: 2487988.7/55

In: 88.018+/-0.011 χ^2/NDF:1613185.6/47

Out: 88.616+/-0.011 χ^2/NDF:2120940.0/55

All: 88.329+/-0.008 χ^2/NDF: 3735633.8/103

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -372.230+/-160.742 χ^2/NDF: 23.1/30

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

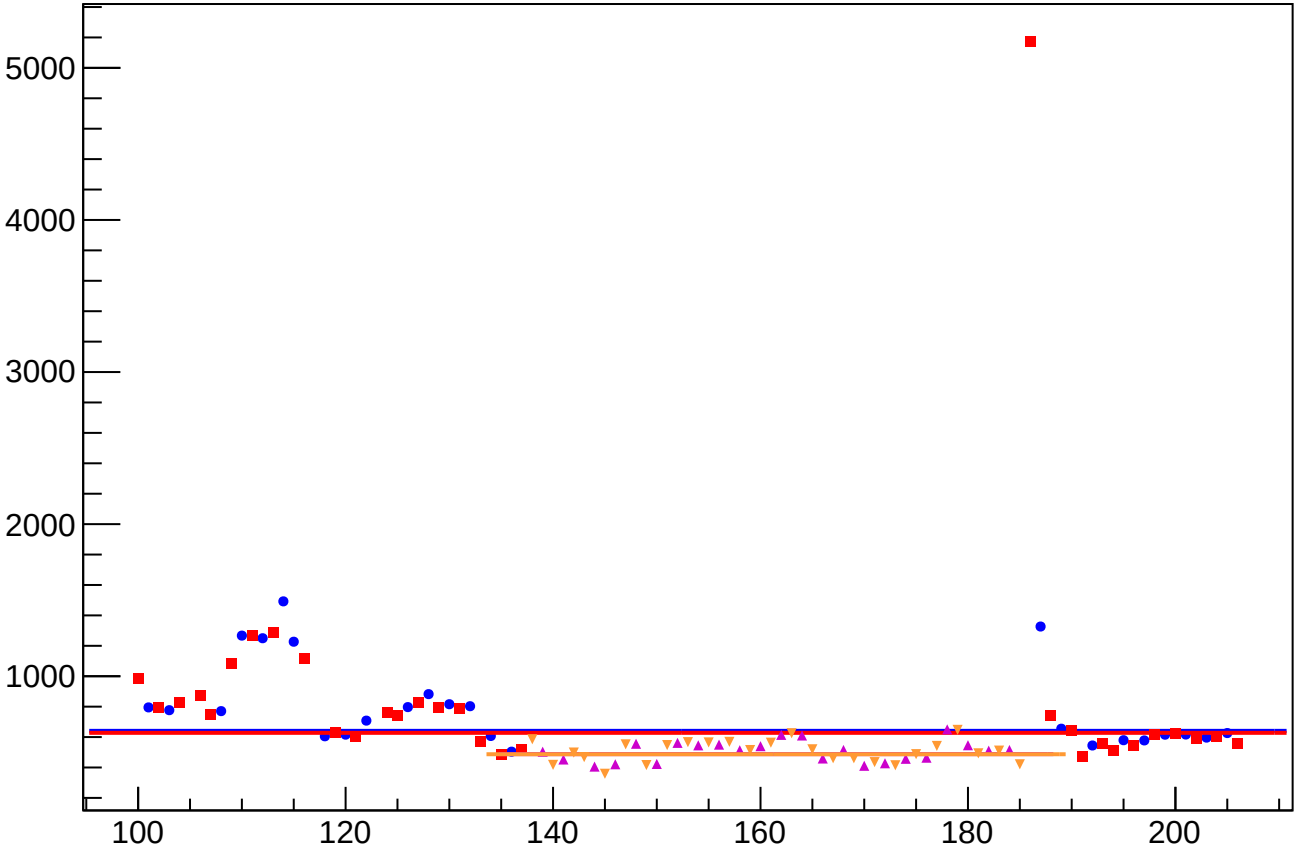
Right: -76.125+/-118.416 χ^2/NDF: 51.9/55

In: 36.890+/-96.368 χ^2/NDF:51.5/47

Out: 157.637+/-92.079 χ^2/NDF:71.7/55

All: 100.011+/-66.574 χ^2/NDF: 124.1/103

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 640.812+/-0.124 χ^2/NDF: 1218214.9/24

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.883+/-0.114 χ^2/NDF: 2147851.8/30

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

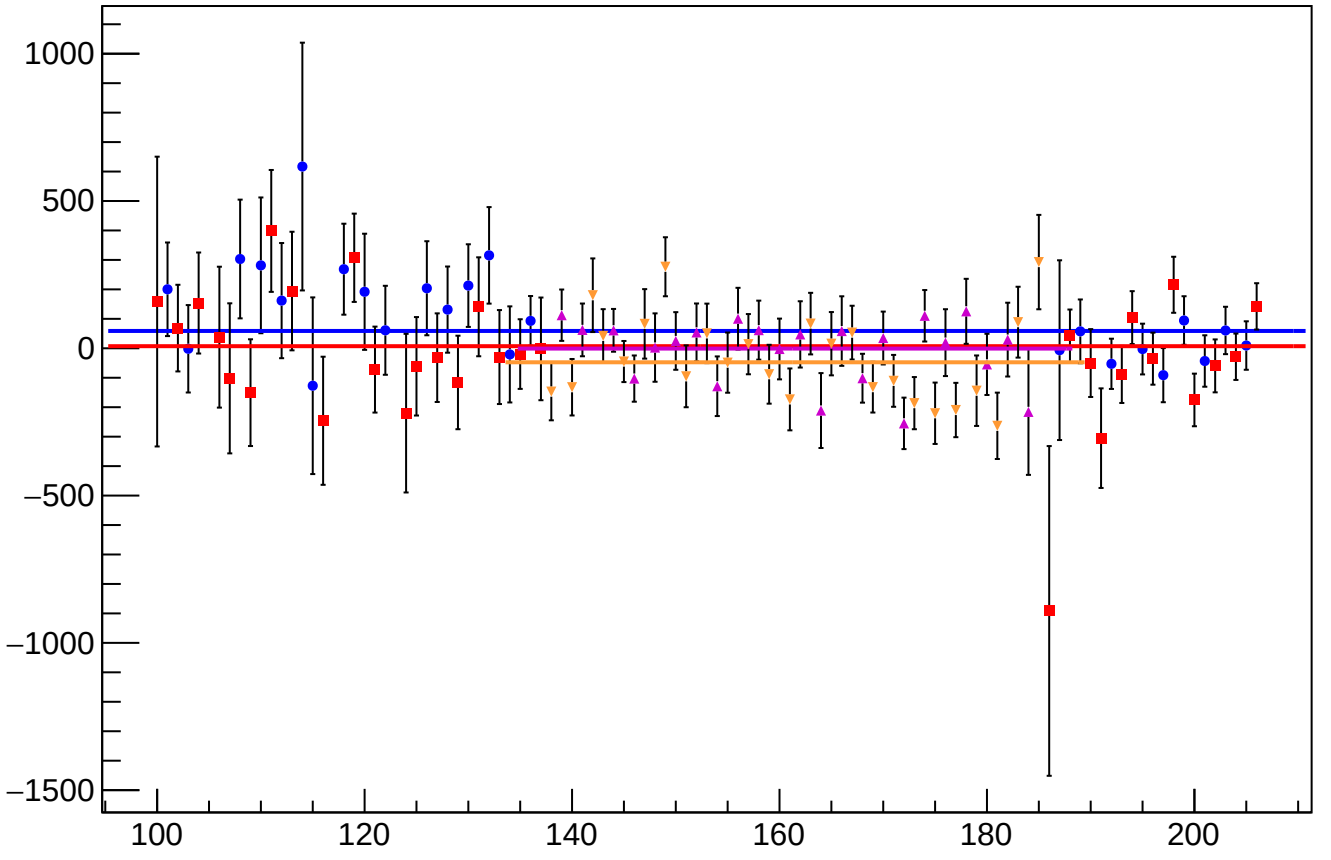
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 633.795+/-0.084 χ^2/NDF: 3371984.3/55

In: 534.233+/-0.068 χ^2/NDF:2915258.2/47

Out: 533.283+/-0.065 χ^2/NDF:4000134.9/55

All: 533.737+/-0.047 χ^2/NDF: 6915494.7/103



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.147+/-22.931 χ^2/NDF: 35.8/30

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

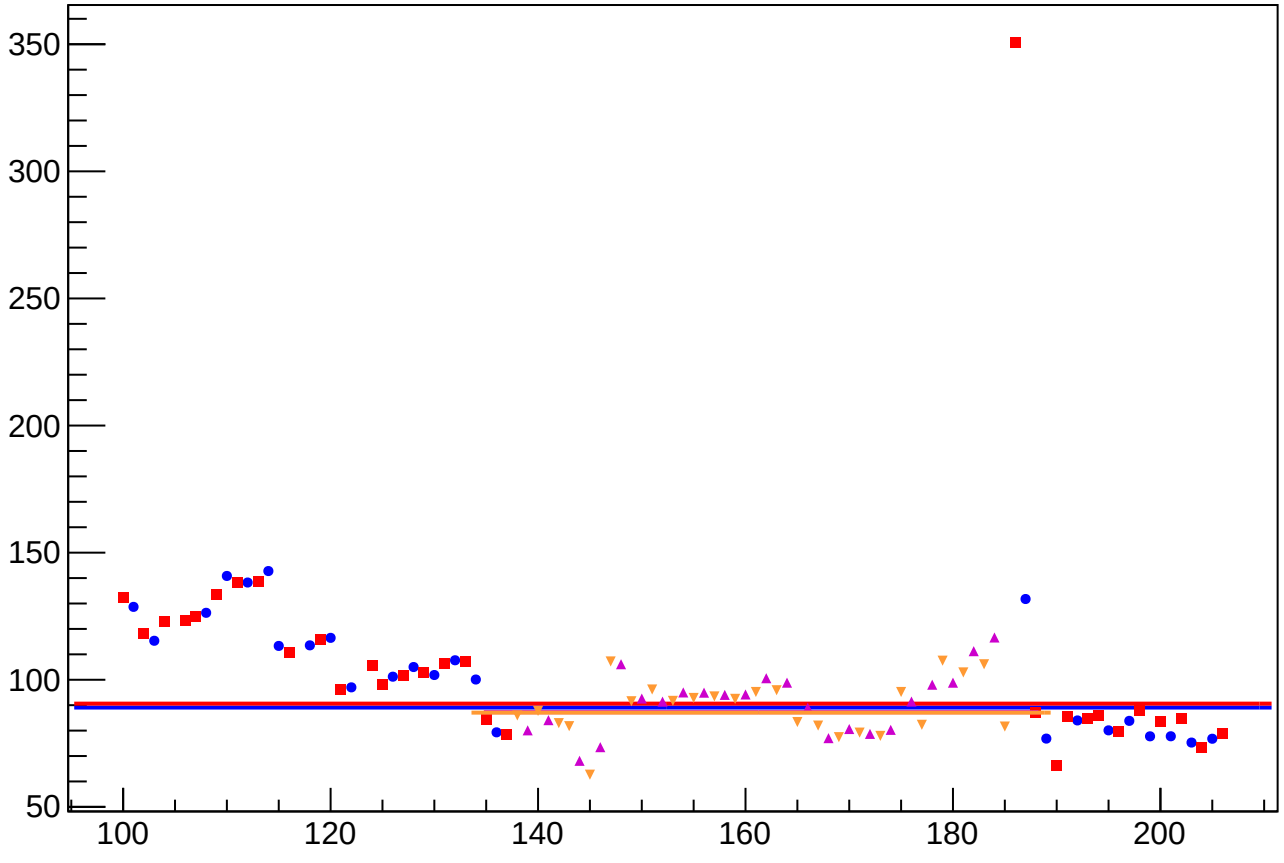
Right: 31.573+/-16.657 χ^2/NDF: 58.3/55

In: 24.120+/-15.698 χ^2/NDF:49.1/47

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -0.893+/-10.869 χ^2/NDF: 137.0/103

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

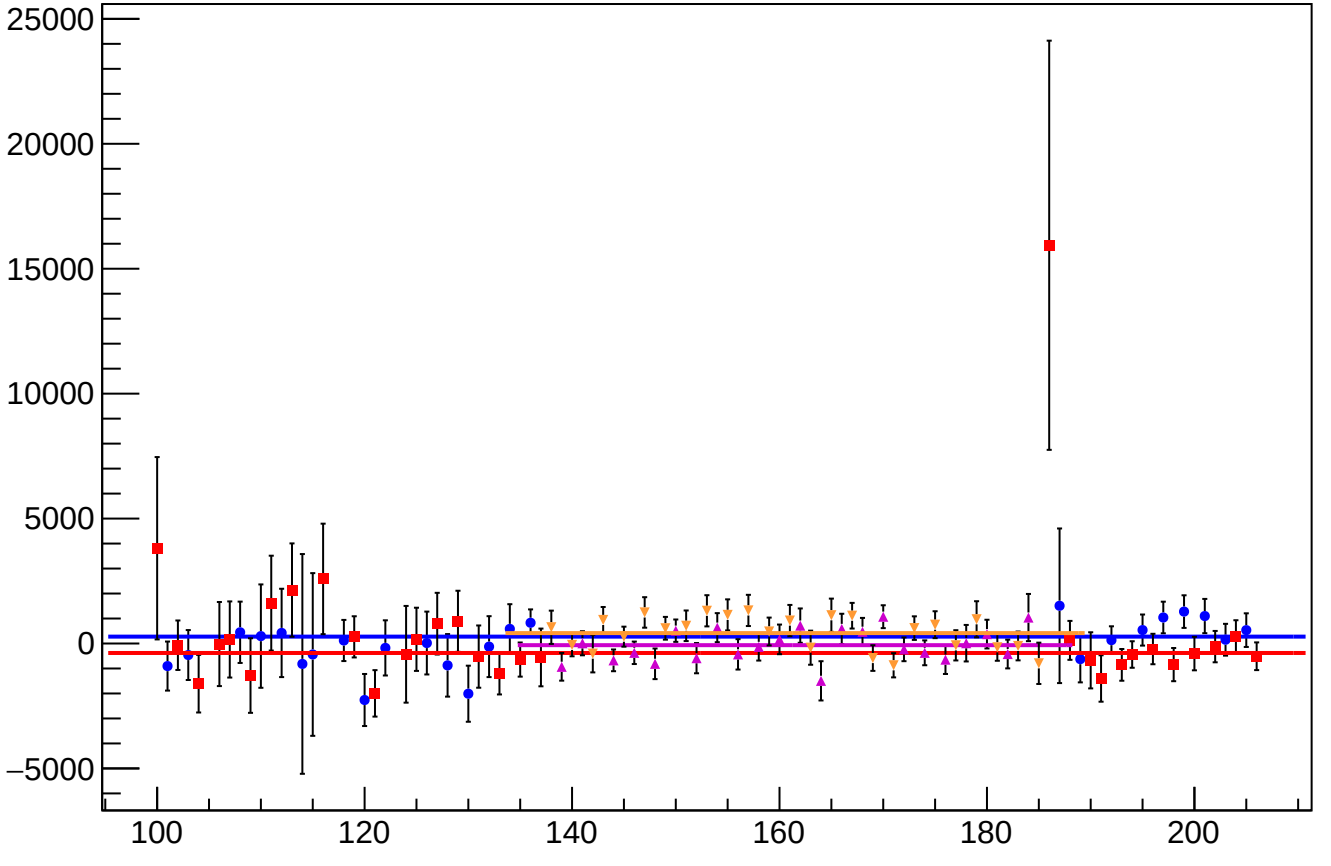
Right: 89.884+/-0.012 χ^2/NDF: 2479533.9/55

In: 88.018+/-0.011 χ^2/NDF:1613186.0/47

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 88.321+/-0.008 χ^2/NDF: 3726721.1/103

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

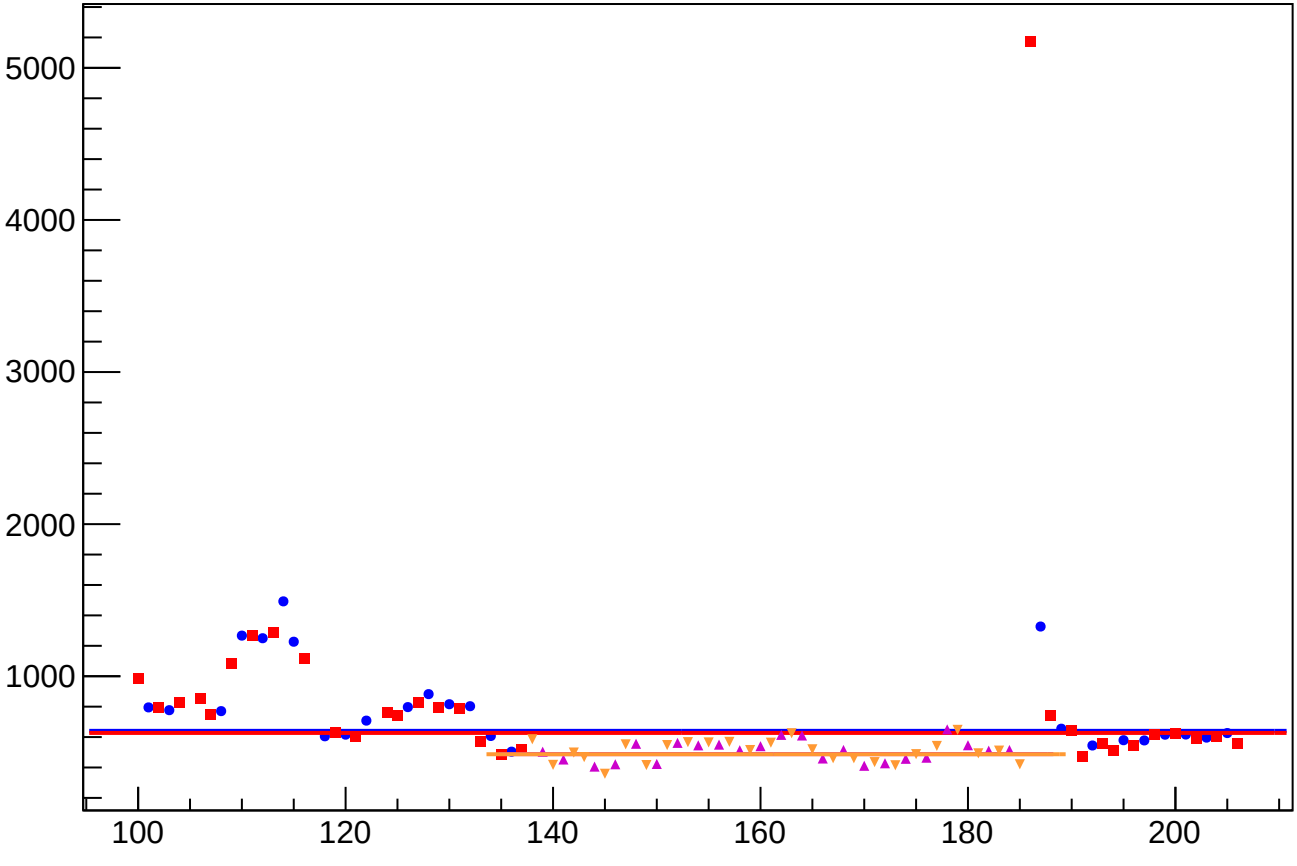
Right: -79.643+/-118.475 χ^2/NDF: 51.7/55

In: 36.891+/-96.368 χ^2/NDF:51.5/47

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 98.953+/-66.585 χ^2/NDF: 124.0/103

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

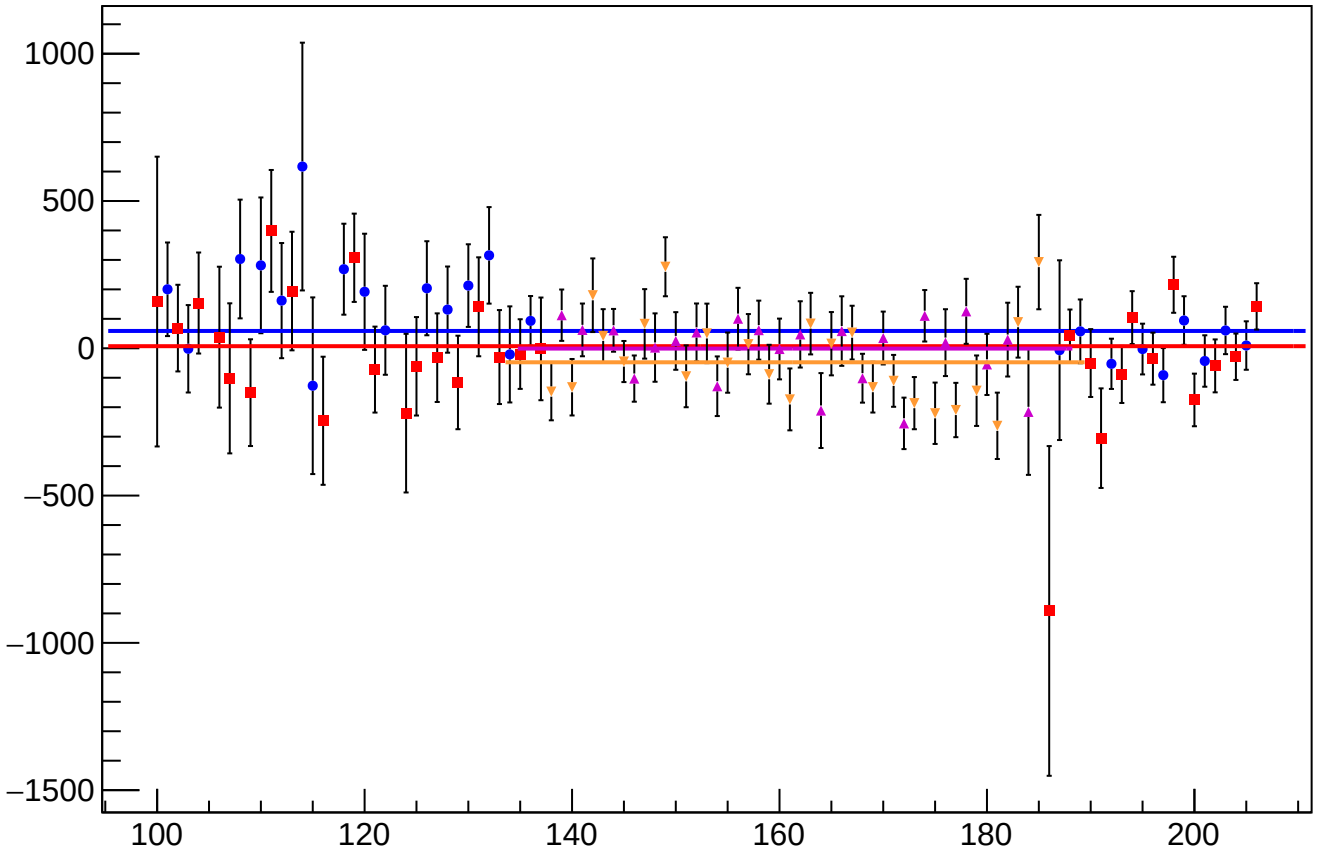
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 633.462+/-0.084 χ^2/NDF: 3357524.4/55

In: 534.233+/-0.068 χ^2/NDF:2915274.7/47

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.600+/-0.047 χ^2/NDF: 6890105.8/103



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.147+/-22.931 χ^2/NDF: 35.8/30

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

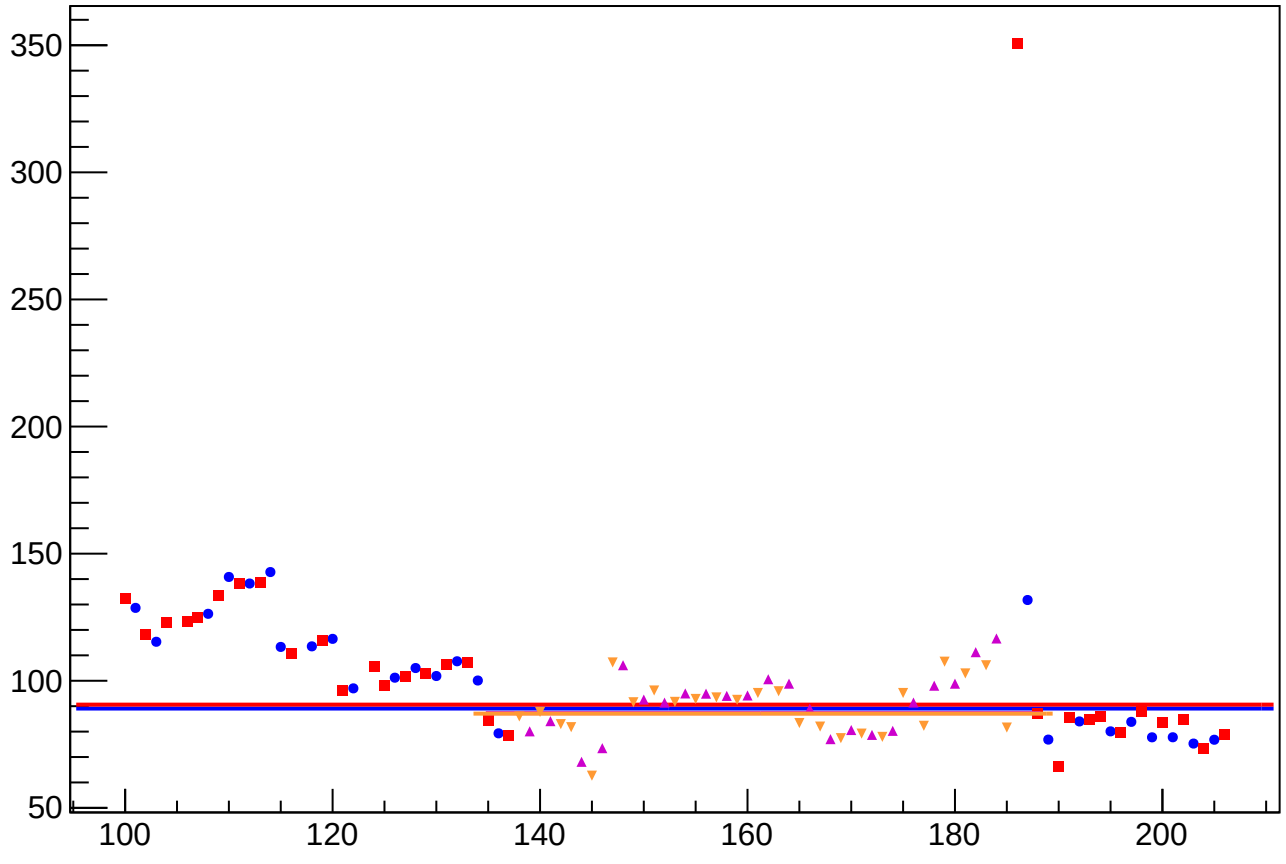
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 31.573+/-16.657 χ^2/NDF: 58.3/55

In: 24.120+/-15.698 χ^2/NDF:49.1/47

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -0.893+/-10.869 χ^2/NDF: 137.0/103



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

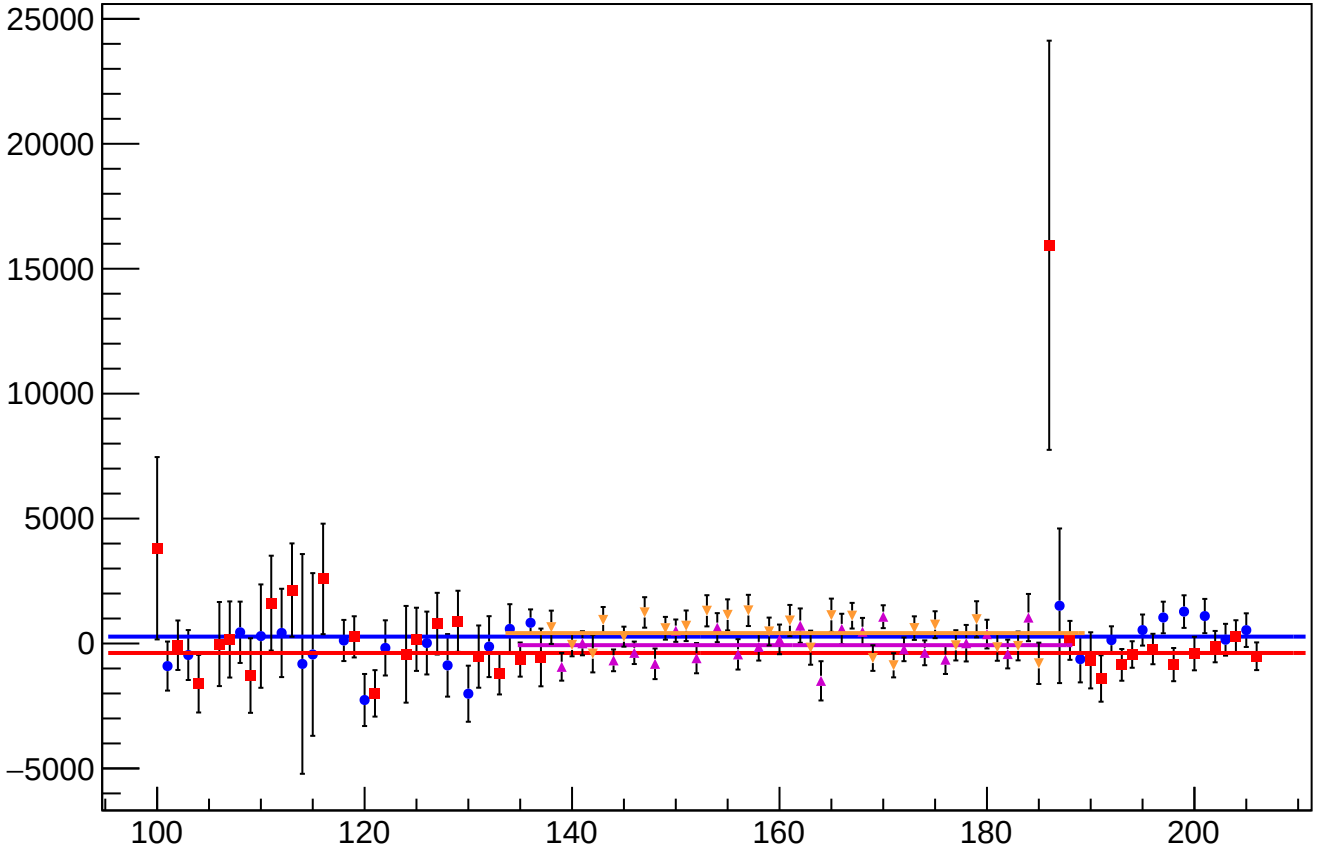
Right: 89.884+/-0.012 χ^2/NDF: 2479533.9/55

In: 88.018+/-0.011 χ^2/NDF:1613186.0/47

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 88.321+/-0.008 χ^2/NDF: 3726721.1/103

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

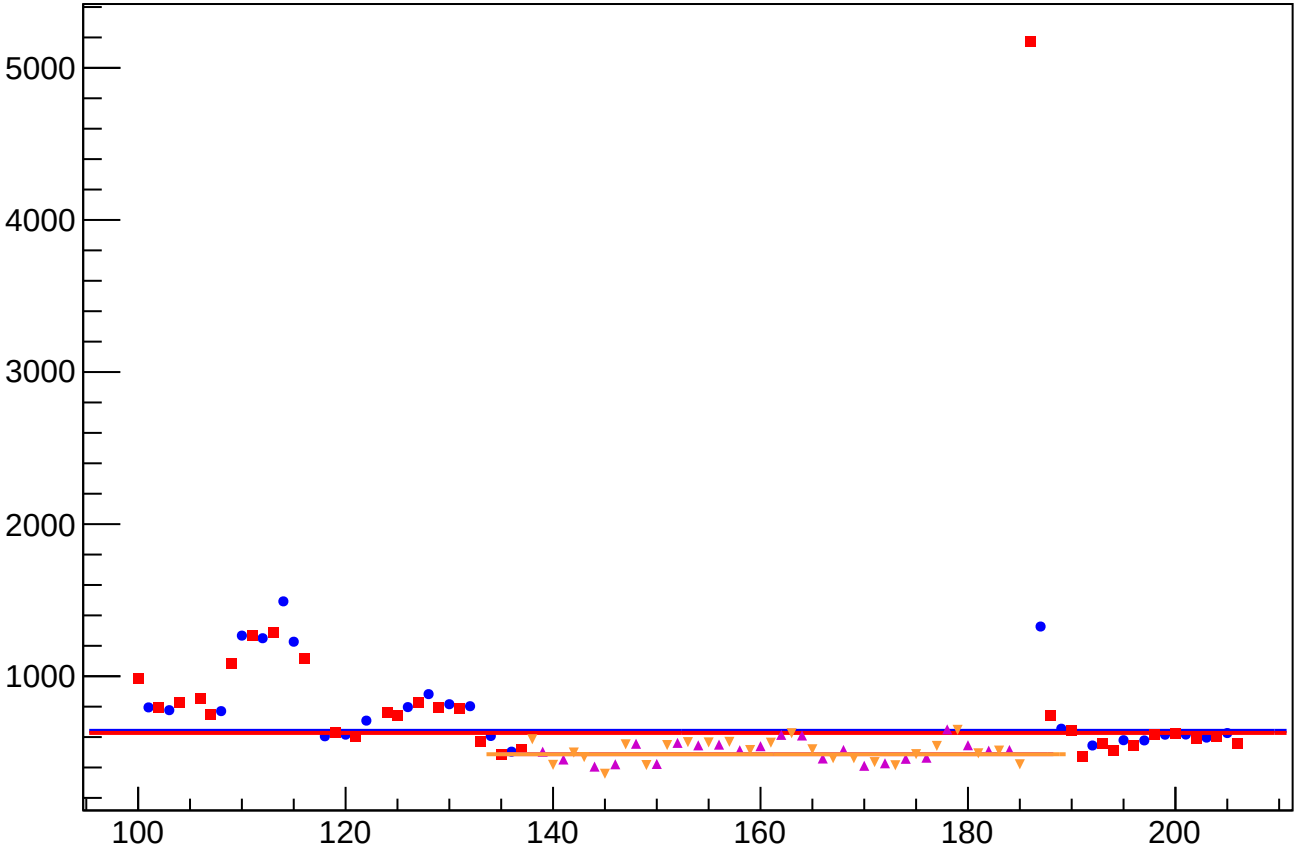
Right: -79.643+/-118.475 χ^2/NDF: 51.7/55

In: 36.891+/-96.368 χ^2/NDF:51.5/47

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 98.953+/-66.585 χ^2/NDF: 124.0/103

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

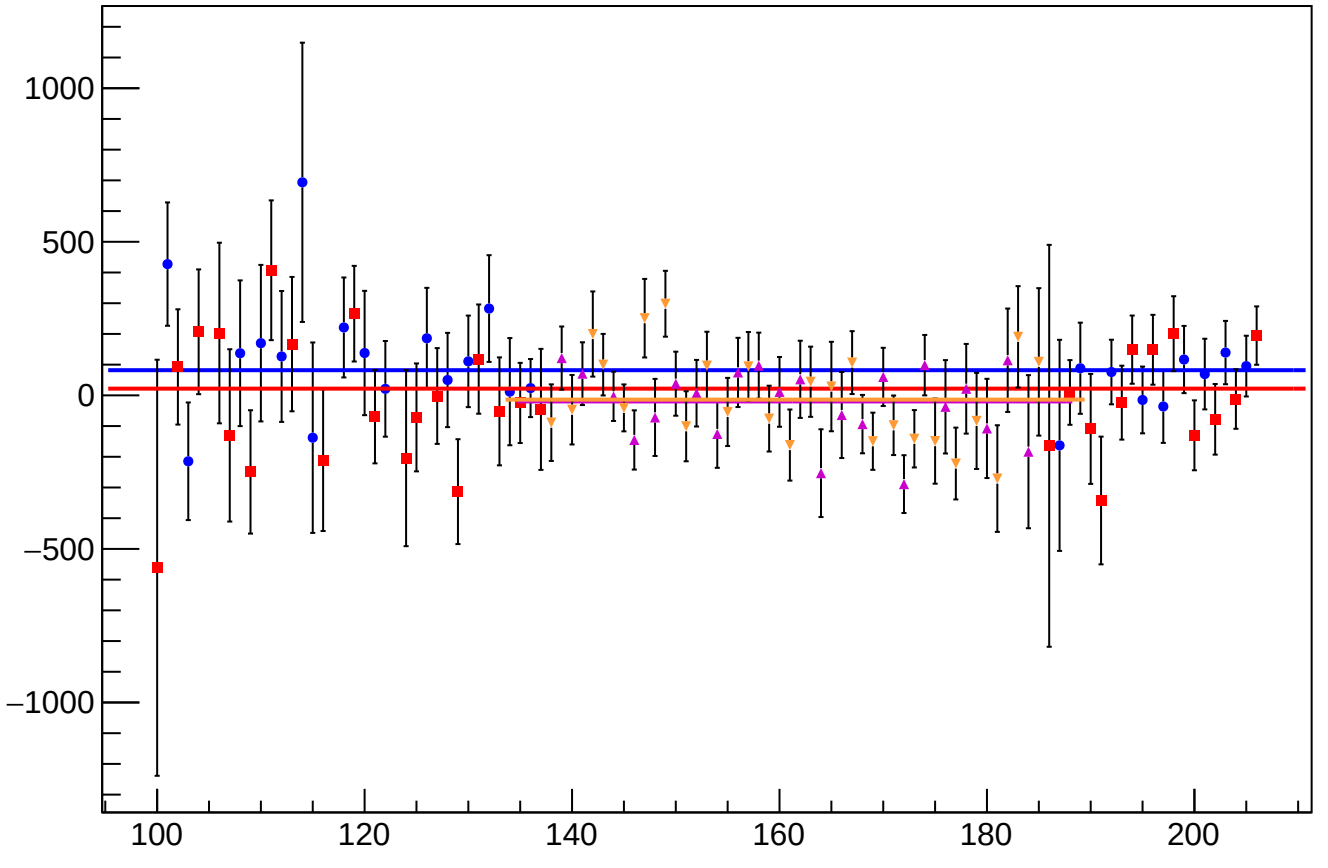
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 633.462+/-0.084 χ^2/NDF: 3357524.4/55

In: 534.233+/-0.068 χ^2/NDF:2915274.7/47

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.600+/-0.047 χ^2/NDF: 6890105.8/103



Right In: 81.920+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 21.831+/-27.451 χ^2/NDF: 31.4/30

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

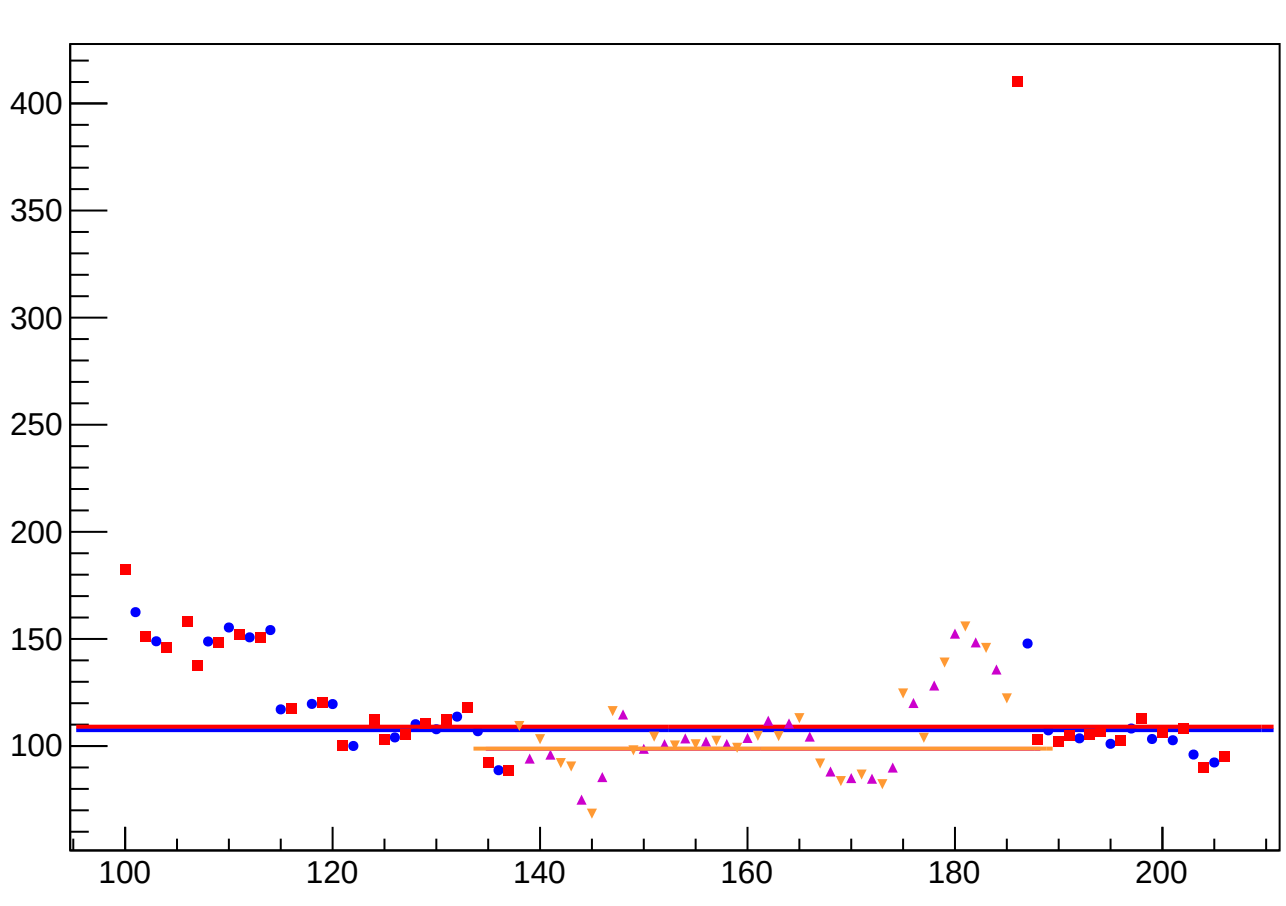
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 50.162+/-19.957 χ^2/NDF: 47.6/55

In: 20.555+/-18.307 χ^2/NDF:44.6/47

Out: 0.772+/-17.592 χ^2/NDF:68.7/55

All: 10.269+/-12.685 χ^2/NDF: 114.0/103



Right In: 107.432+/-0.021 χ^2/NDF: 701736.6/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 109.039+/-0.019 χ^2/NDF: 1138387.2/30

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

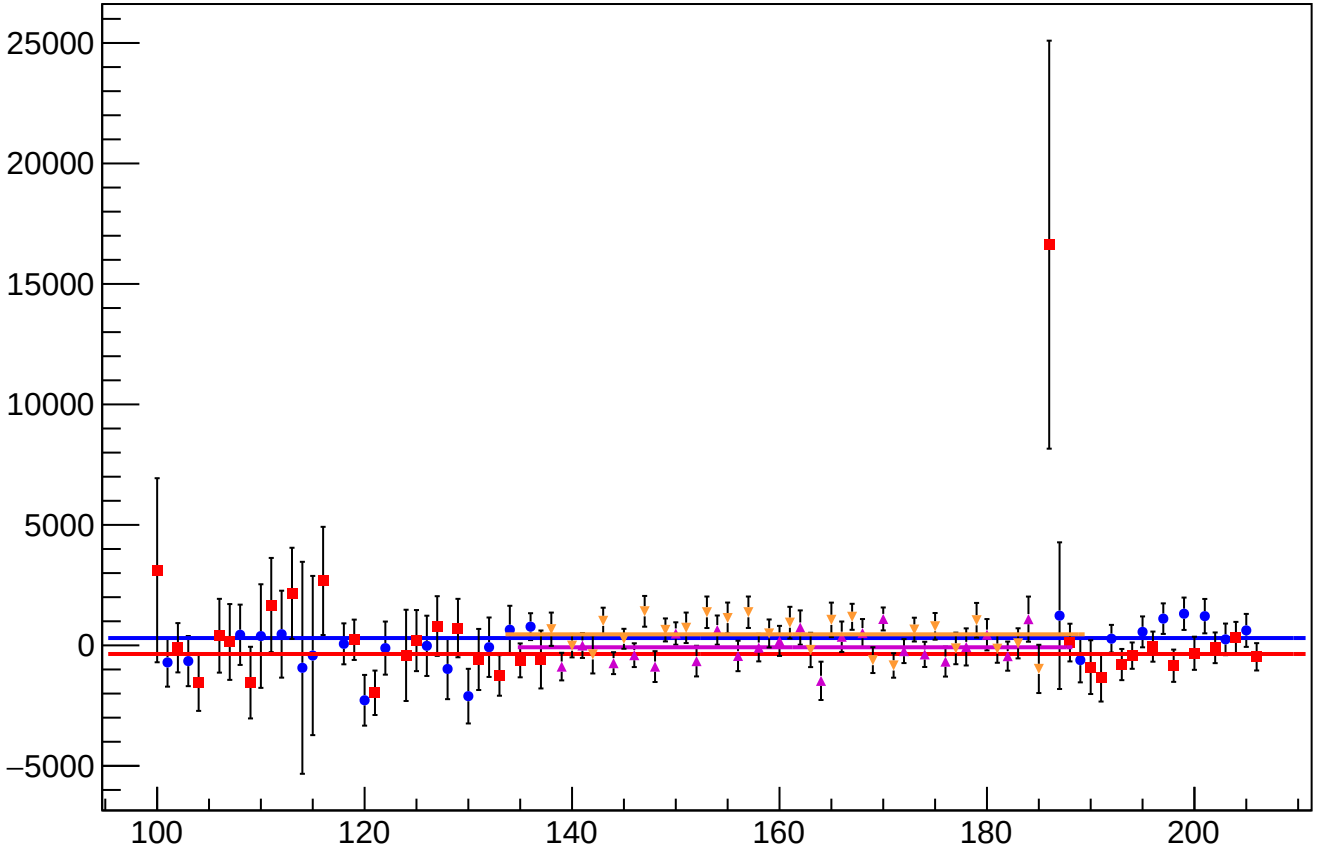
Right: 108.281+/-0.014 χ^2/NDF: 1843352.7/55

In: 102.148+/-0.013 χ^2/NDF:1799142.3/47

Out: 103.004+/-0.012 χ^2/NDF:2488200.1/55

All: 102.593+/-0.009 χ^2/NDF: 4289615.0/103

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 304.092+/-179.196 χ^2/NDF: 21.8/24

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -357.508+/-163.604 χ^2/NDF: 22.4/30

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

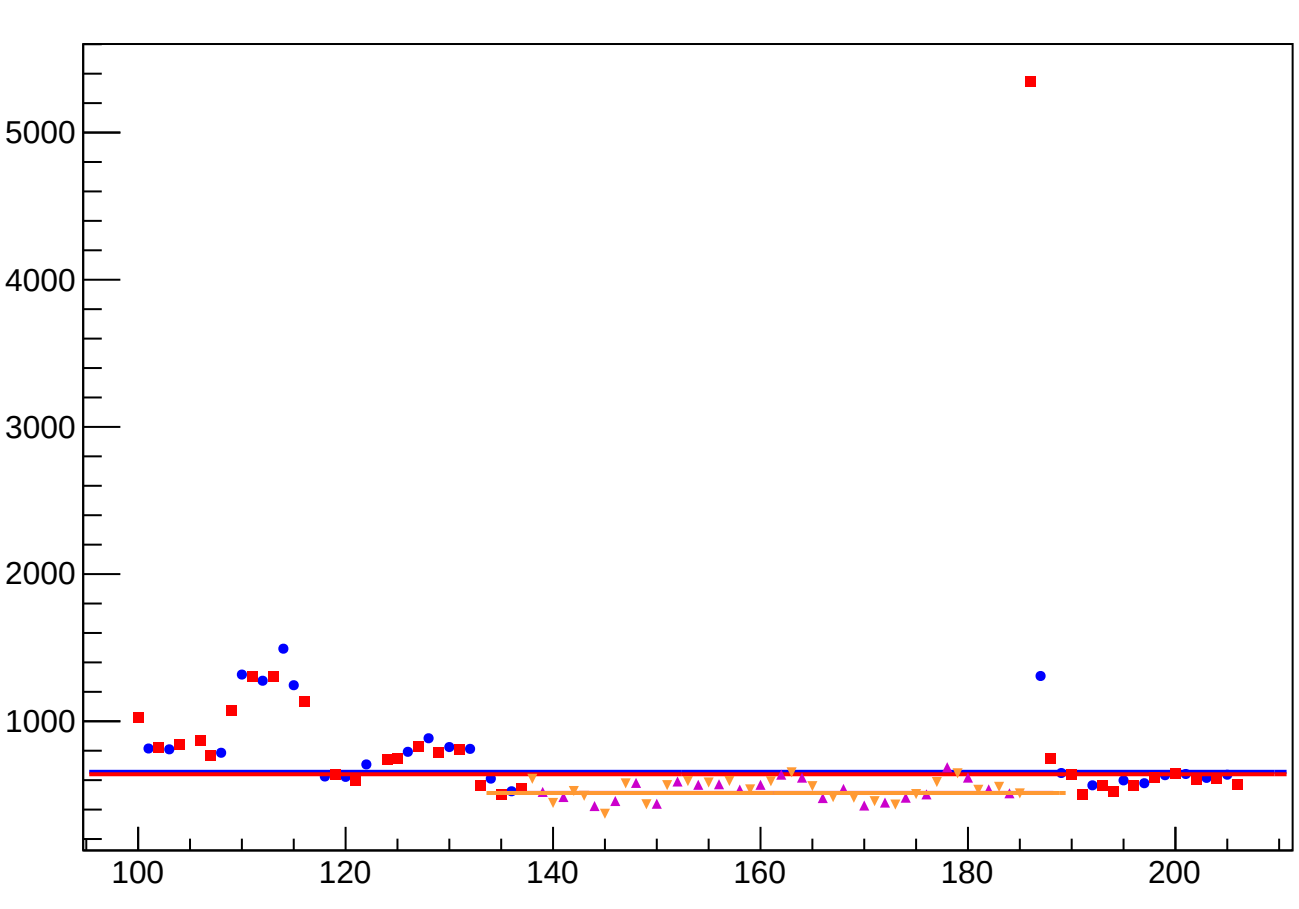
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -56.738+/-120.822 χ^2/NDF: 51.6/55

In: 41.708+/-100.528 χ^2/NDF:51.1/47

Out: 179.310+/-95.763 χ^2/NDF:69.6/55

All: 113.846+/-69.338 χ^2/NDF: 121.7/103



Right In: 656.609+/-0.127 χ^2/NDF: 1167585.9/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 640.031+/-0.116 χ^2/NDF: 2080040.0/30

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

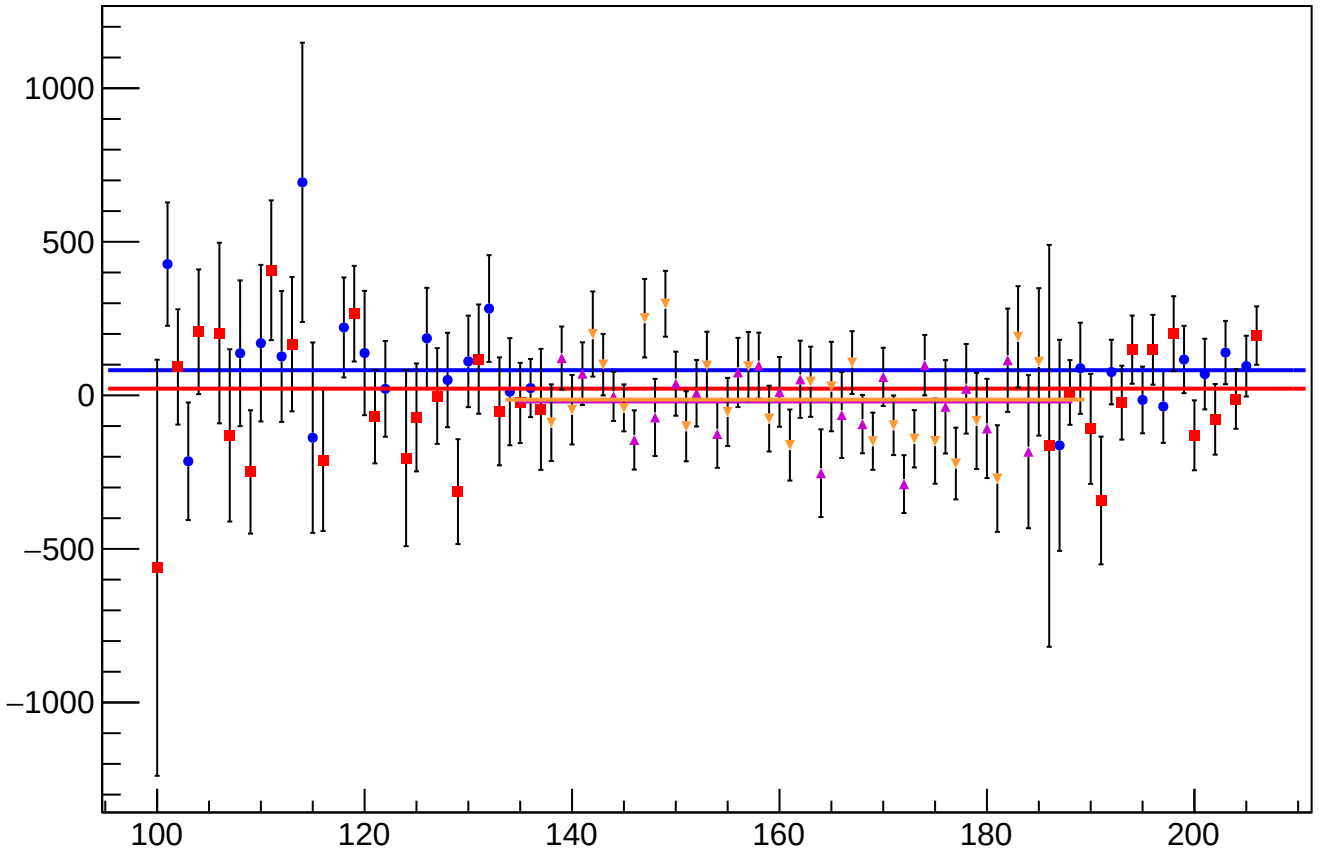
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 647.568+/-0.085 χ^2/NDF: 3256961.9/55

In: 558.452+/-0.071 χ^2/NDF:2677262.4/47

Out: 556.371+/-0.068 χ^2/NDF:3674817.4/55

All: 557.361+/-0.049 χ^2/NDF: 6352529.3/103



Right In: 81.919+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 21.832+/-27.451 χ^2/NDF: 31.4/30

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

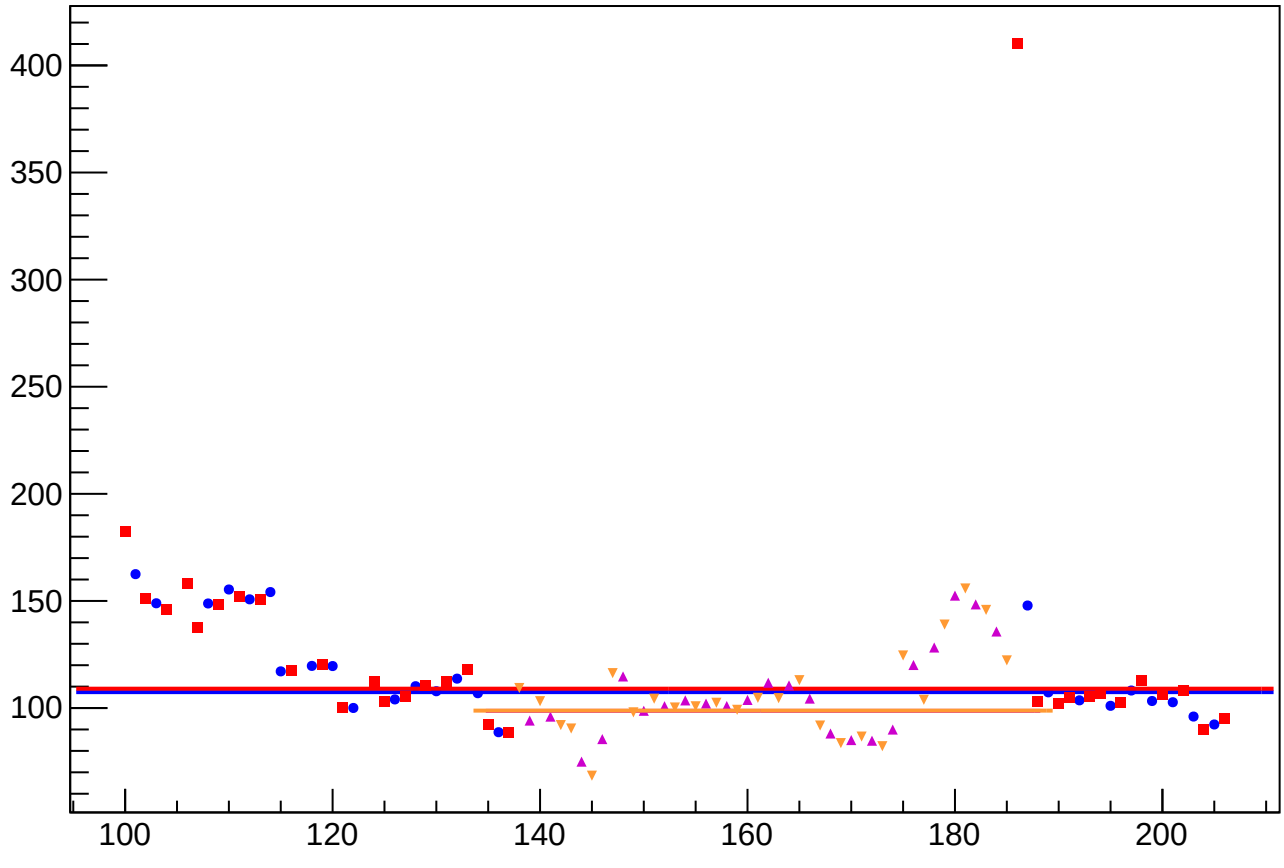
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 50.162+/-19.957 χ^2/NDF: 47.6/55

In: 20.554+/-18.307 χ^2/NDF:44.6/47

Out: 0.771+/-17.592 χ^2/NDF:68.7/55

All: 10.269+/-12.685 χ^2/NDF: 114.0/103



Right In: 107.433+/-0.021 χ^2/NDF: 701726.0/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 109.039+/-0.019 χ^2/NDF: 1138373.7/30

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

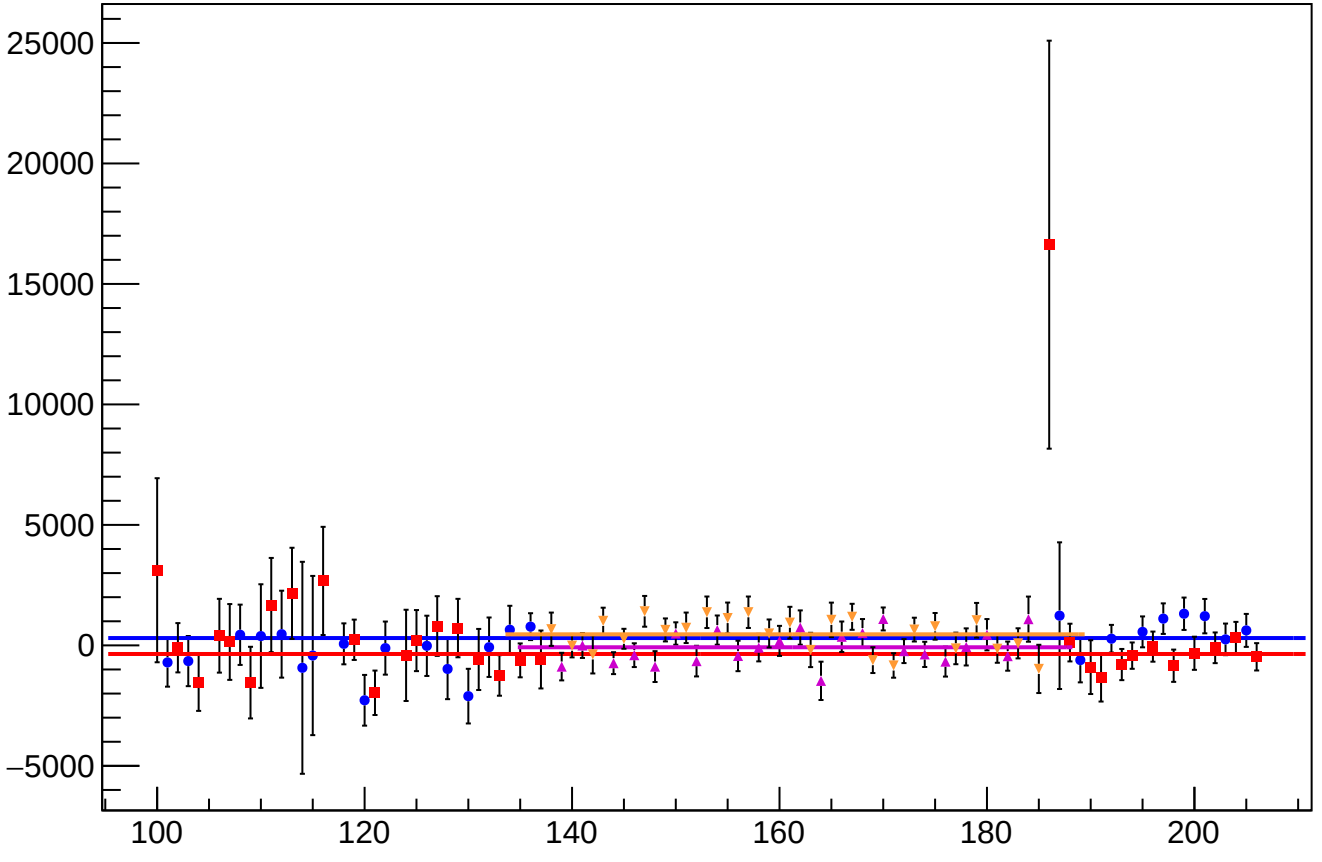
Right: 108.282+/-0.014 χ^2/NDF: 1843328.6/55

In: 102.148+/-0.013 χ^2/NDF:1799125.6/47

Out: 103.004+/-0.012 χ^2/NDF:2488194.8/55

All: 102.593+/-0.009 χ^2/NDF: 4289592.8/103

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 304.092+/-179.195 χ^2/NDF: 21.8/24

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -357.507+/-163.604 χ^2/NDF: 22.4/30

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

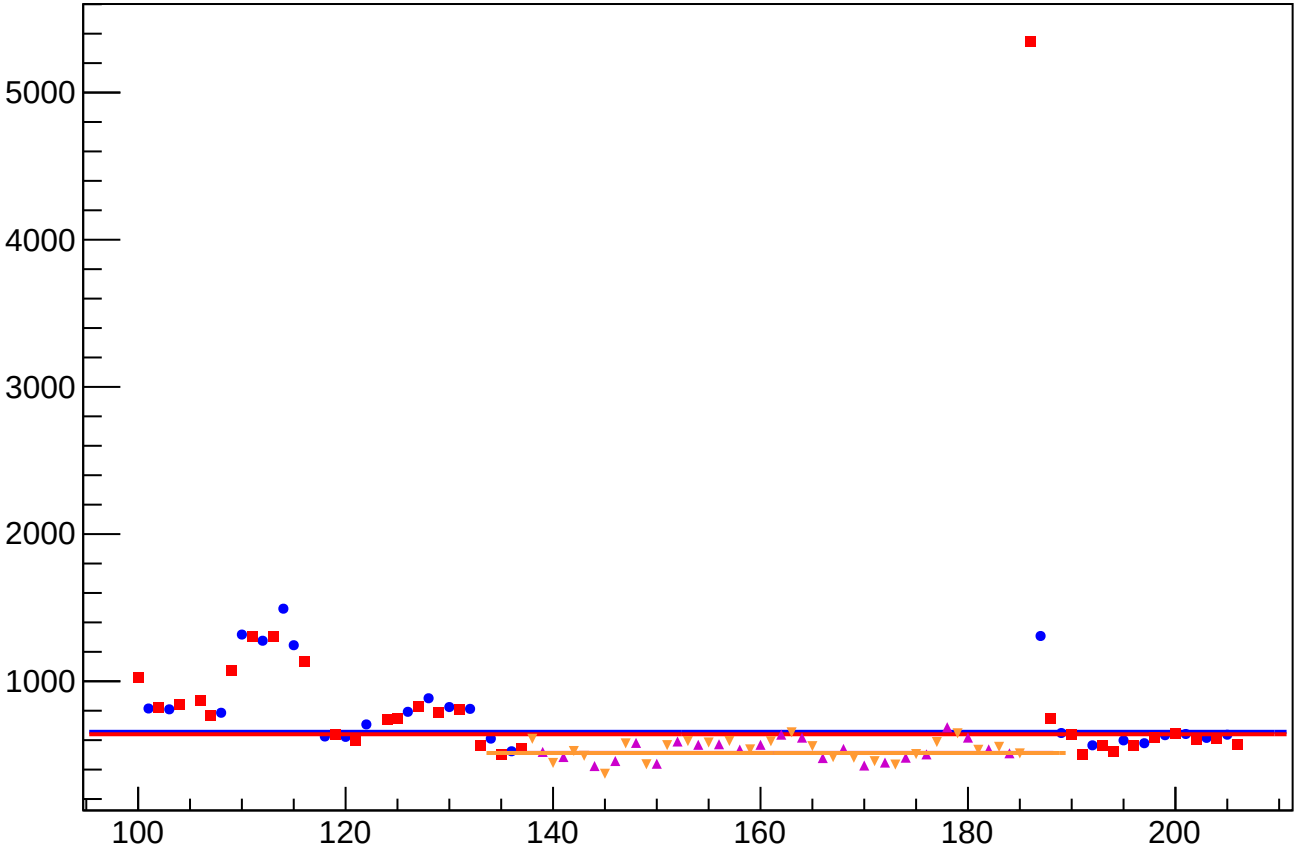
Right: -56.738+/-120.822 χ^2/NDF: 51.6/55

In: 41.708+/-100.528 χ^2/NDF:51.1/47

Out: 179.309+/-95.763 χ^2/NDF:69.6/55

All: 113.846+/-69.338 χ^2/NDF: 121.7/103

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 656.608+/-0.127 χ^2/NDF: 1167584.8/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 640.030+/-0.116 χ^2/NDF: 2080036.2/30

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

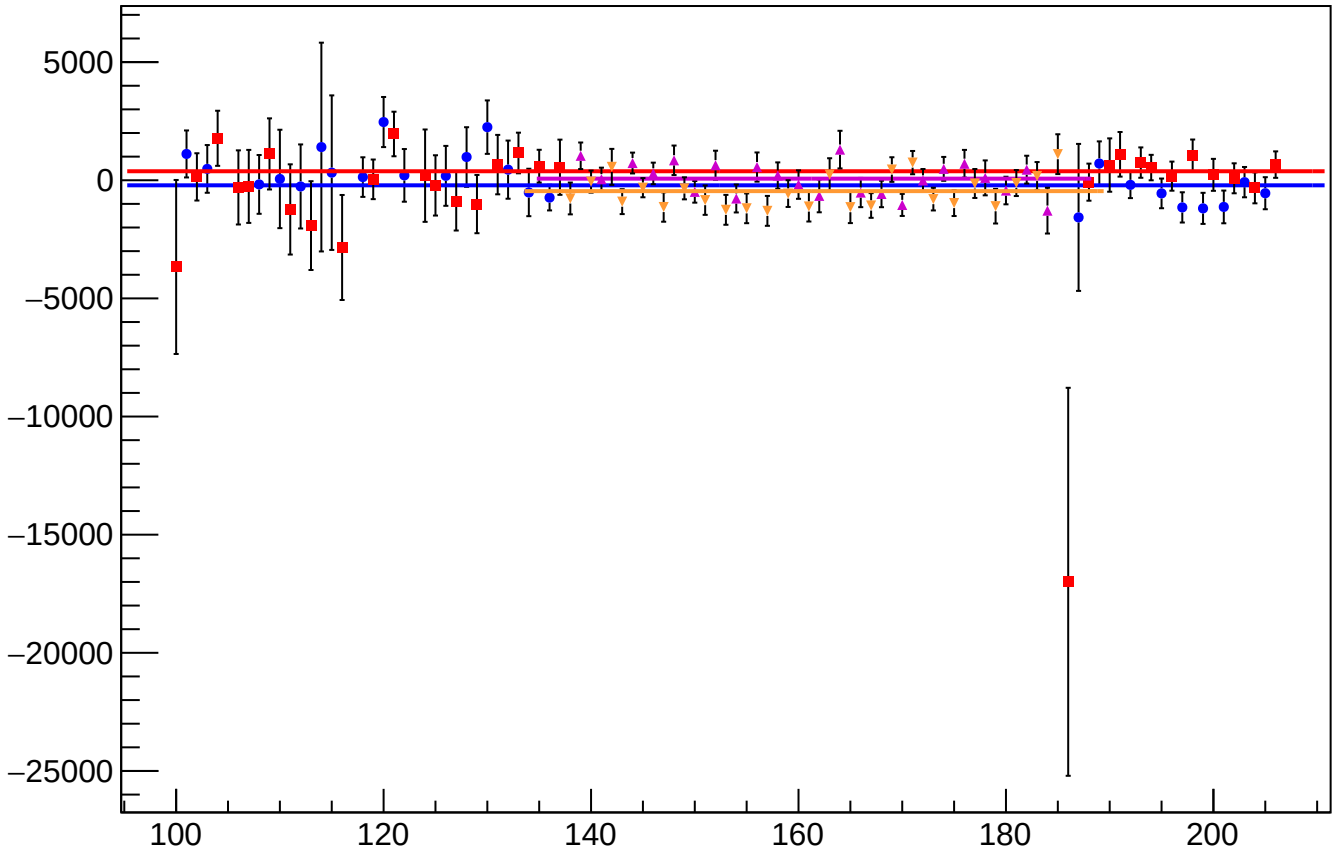
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 647.567+/-0.085 χ^2/NDF: 3256957.3/55

In: 558.452+/-0.071 χ^2/NDF:2677250.0/47

Out: 556.371+/-0.068 χ^2/NDF:3674803.1/55

All: 557.361+/-0.049 χ^2/NDF: 6352502.6/103



Right In: -213.994+/-176.988 χ^2/NDF: 24.0/24

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 381.295+/-162.588 χ^2/NDF: 22.7/30

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

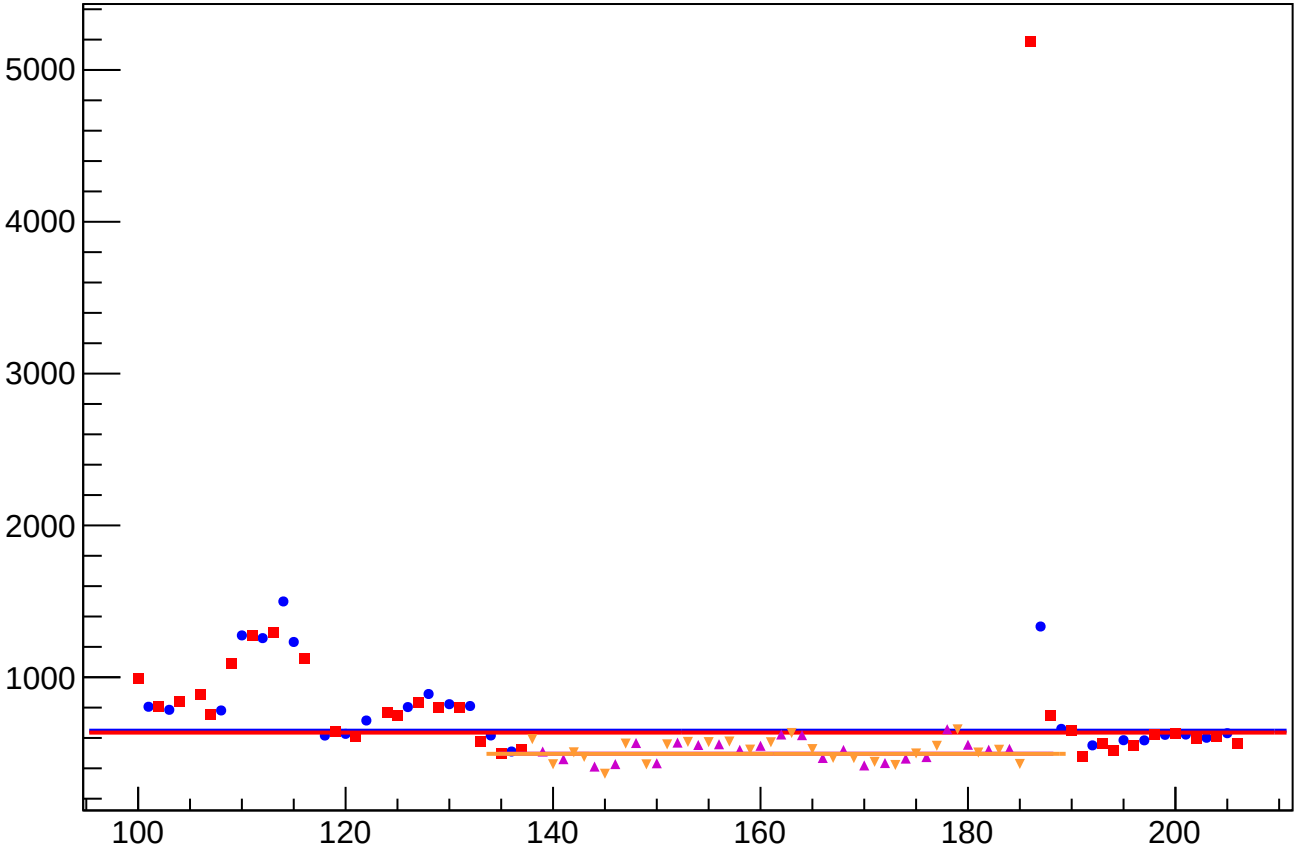
Right: 108.849+/-119.735 χ^2/NDF: 52.9/55

In: -18.100+/-97.814 χ^2/NDF:54.3/47

Out: -181.868+/-93.469 χ^2/NDF:71.5/55

All: -103.702+/-67.576 χ^2/NDF: 127.3/103

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 647.875+/-0.125 χ^2/NDF: 1206588.0/24

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 635.357+/-0.115 χ^2/NDF: 2126914.2/30

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

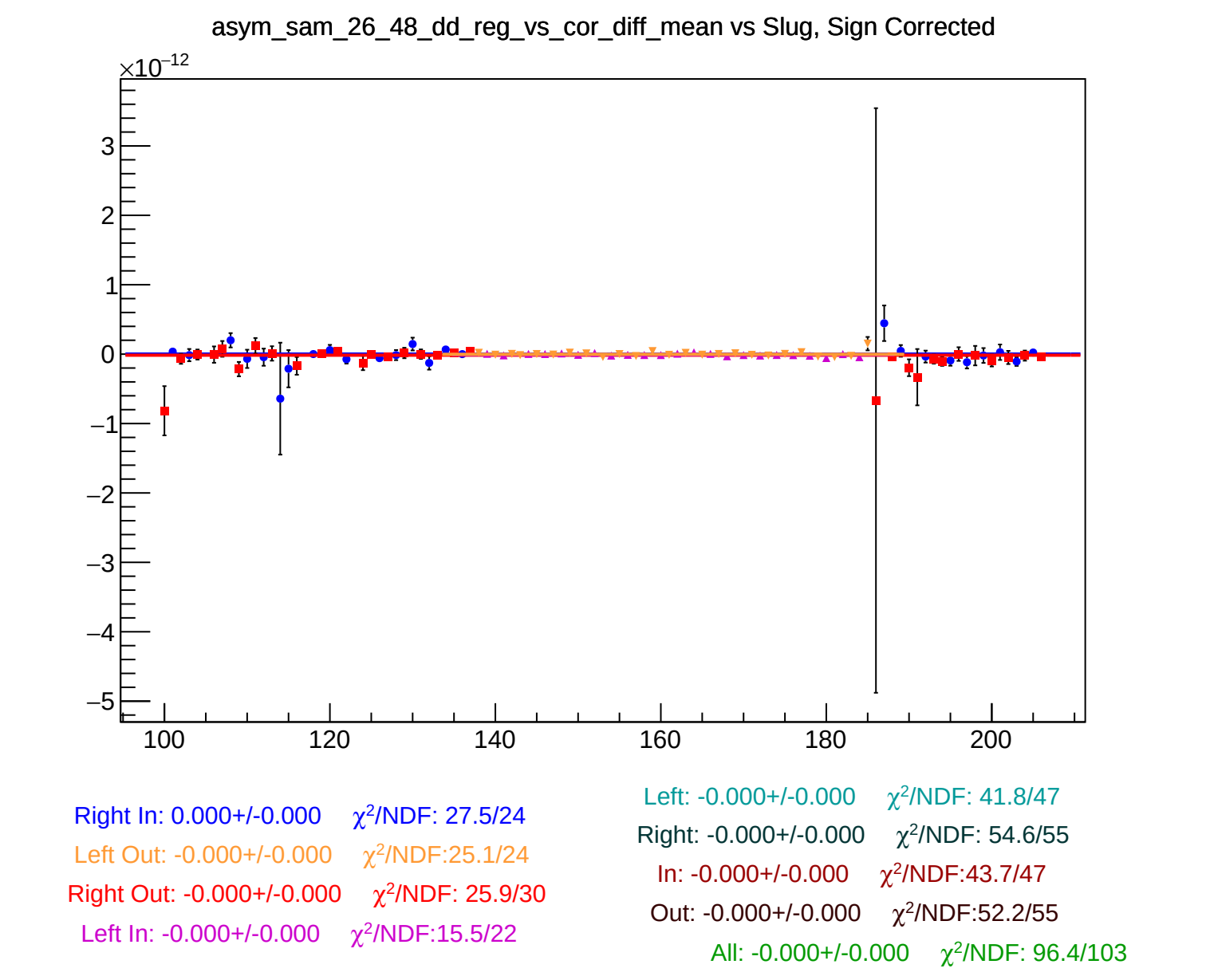
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

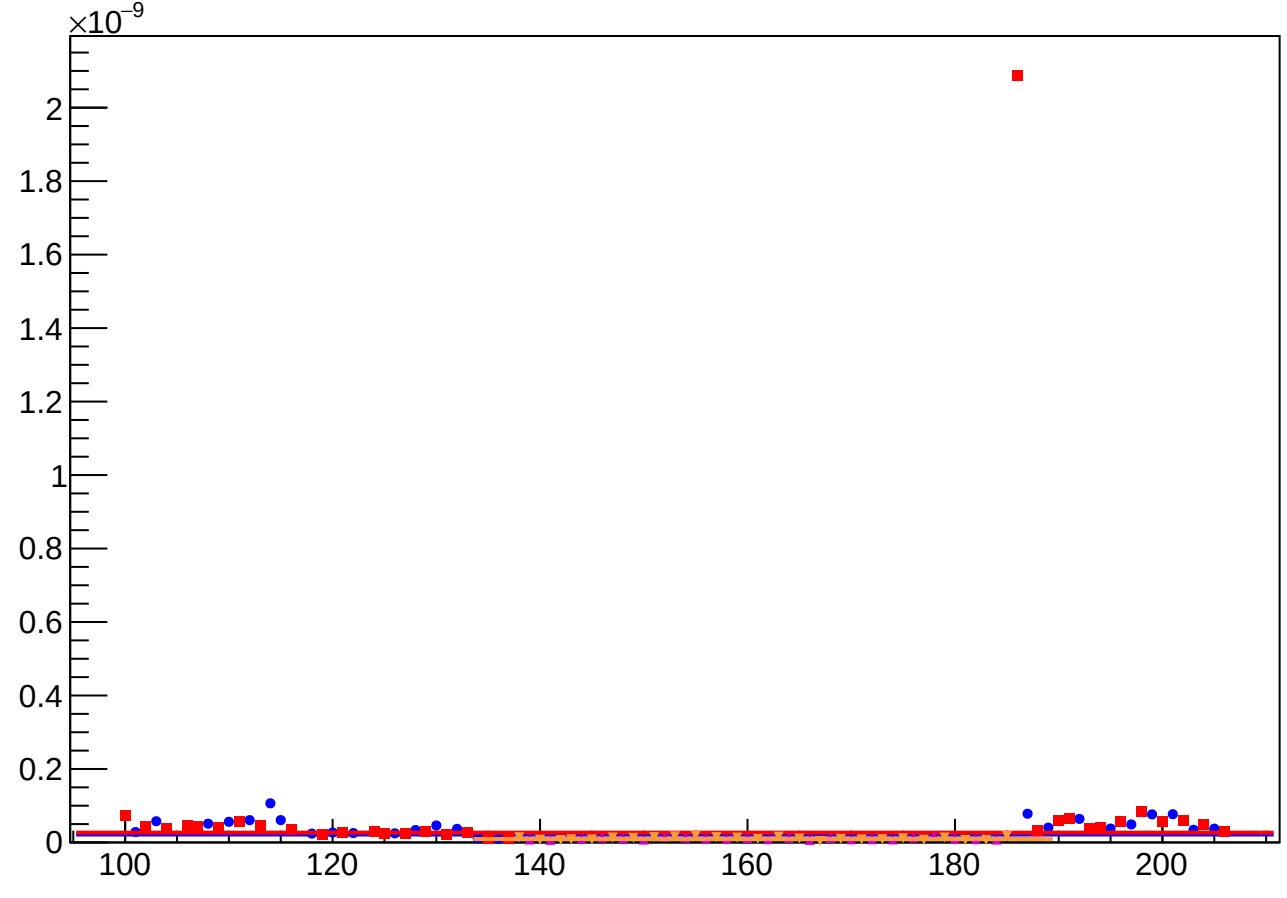
Right: 641.086+/-0.085 χ^2/NDF: 3338927.9/55

In: 542.601+/-0.069 χ^2/NDF:2847696.0/47

Out: 541.731+/-0.066 χ^2/NDF:3922152.1/55

All: 542.146+/-0.048 χ^2/NDF: 6769930.7/103


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/30
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 54.6/55
In: -0.000+/-0.000 χ²/NDF:43.7/47
Out: -0.000+/-0.000 χ²/NDF:52.2/55
All: -0.000+/-0.000 χ²/NDF: 96.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 4861191.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4047074.6/30

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

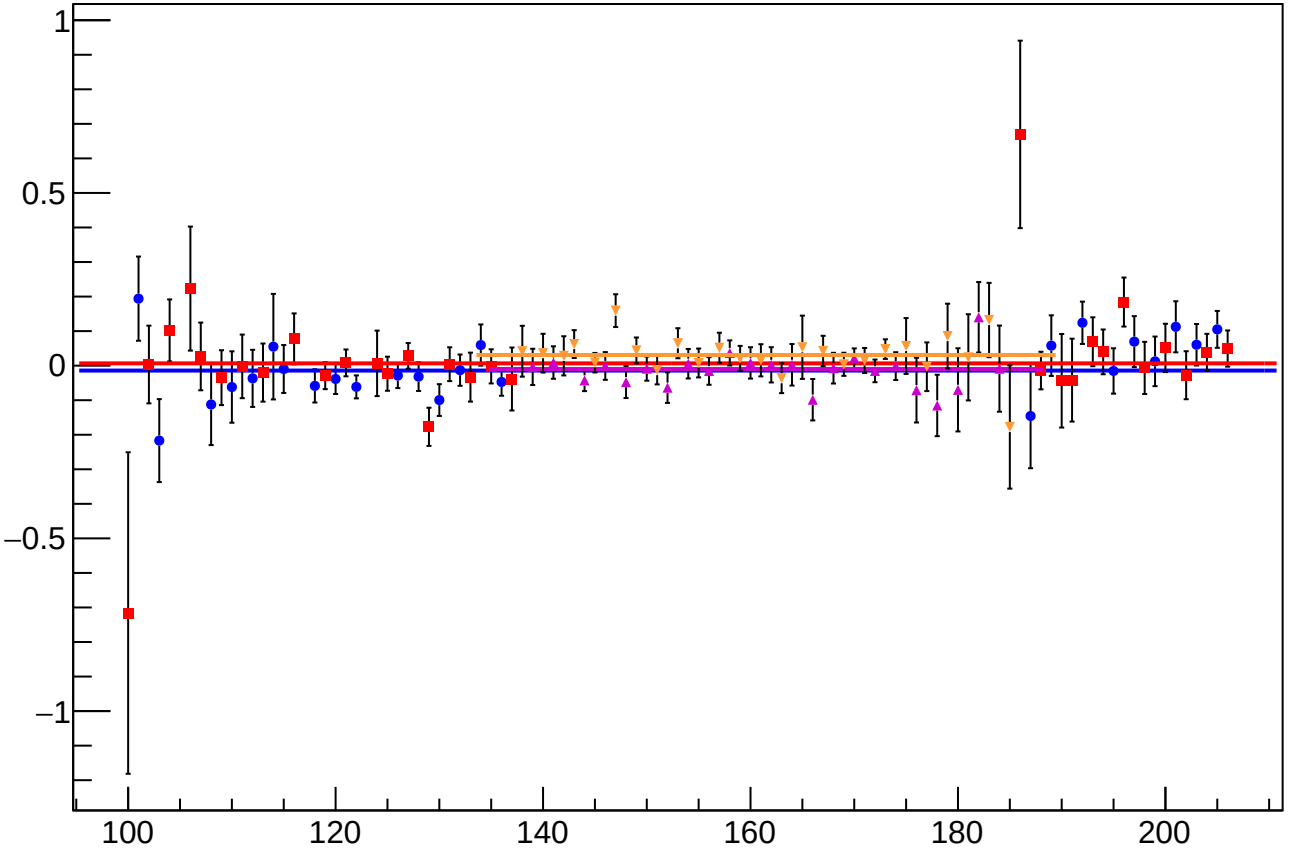
Right: 0.000+/-0.000 χ^2/NDF: 9123023.1/55

In: 0.000+/-0.000 χ^2/NDF:7696740.9/47

Out: 0.000+/-0.000 χ^2/NDF:10152041.9/55

All: 0.000+/-0.000 χ^2/NDF: 17857814.7/103

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

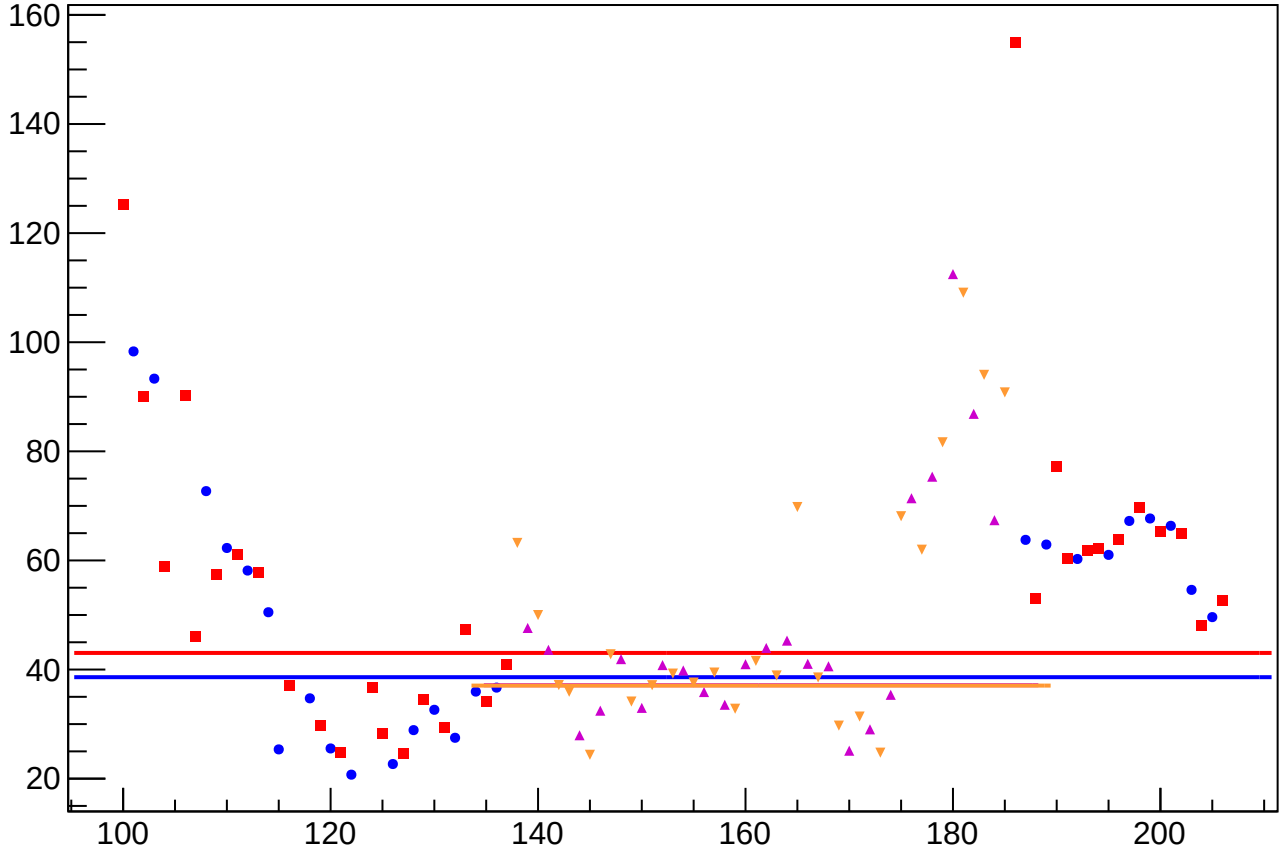
Right: -0.004+/-0.008 χ^2/NDF: 70.2/55

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 112.9/103

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

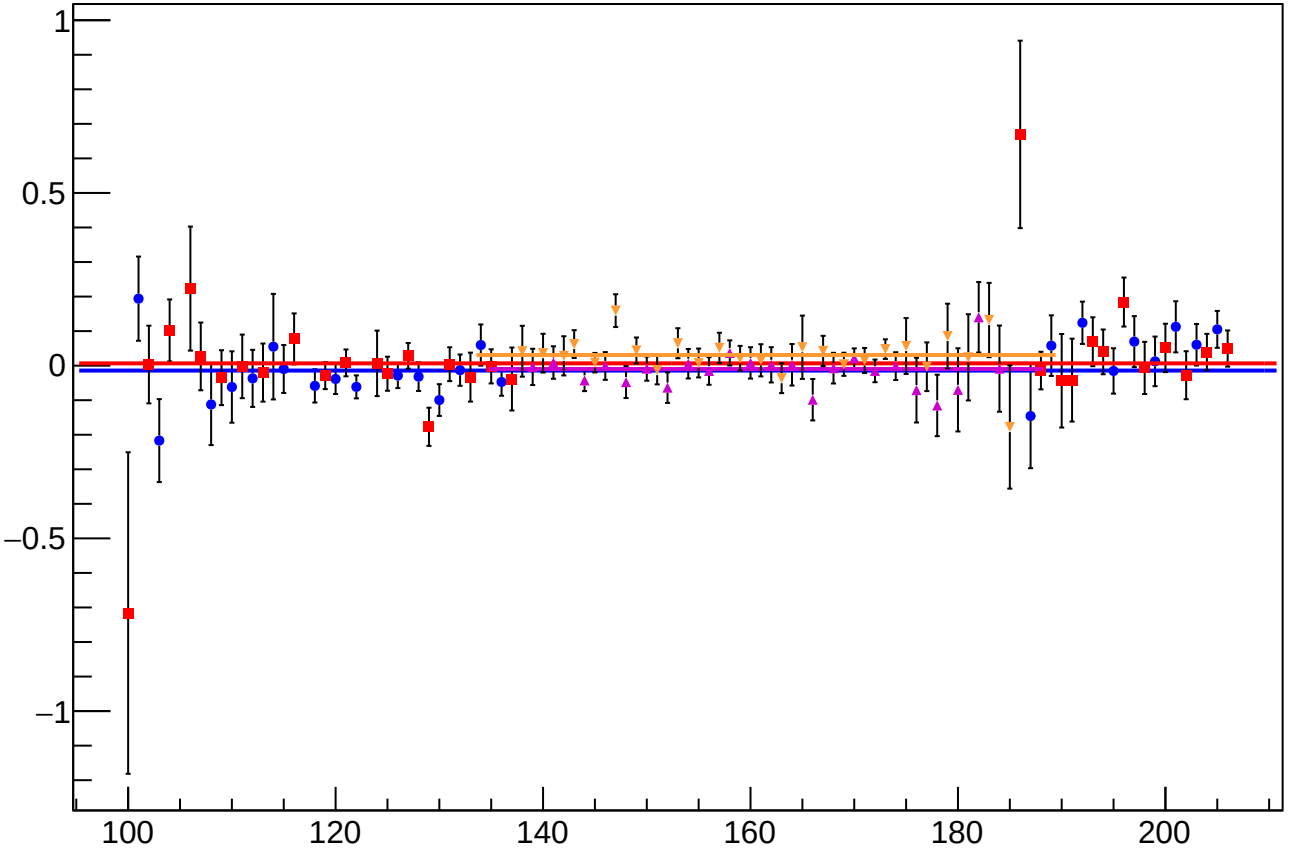
Right: 40.788+/-0.006 χ^2/NDF: 9034319.3/55

In: 37.718+/-0.005 χ^2/NDF:7656167.6/47

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.538+/-0.004 χ^2/NDF: 16351056.6/103

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

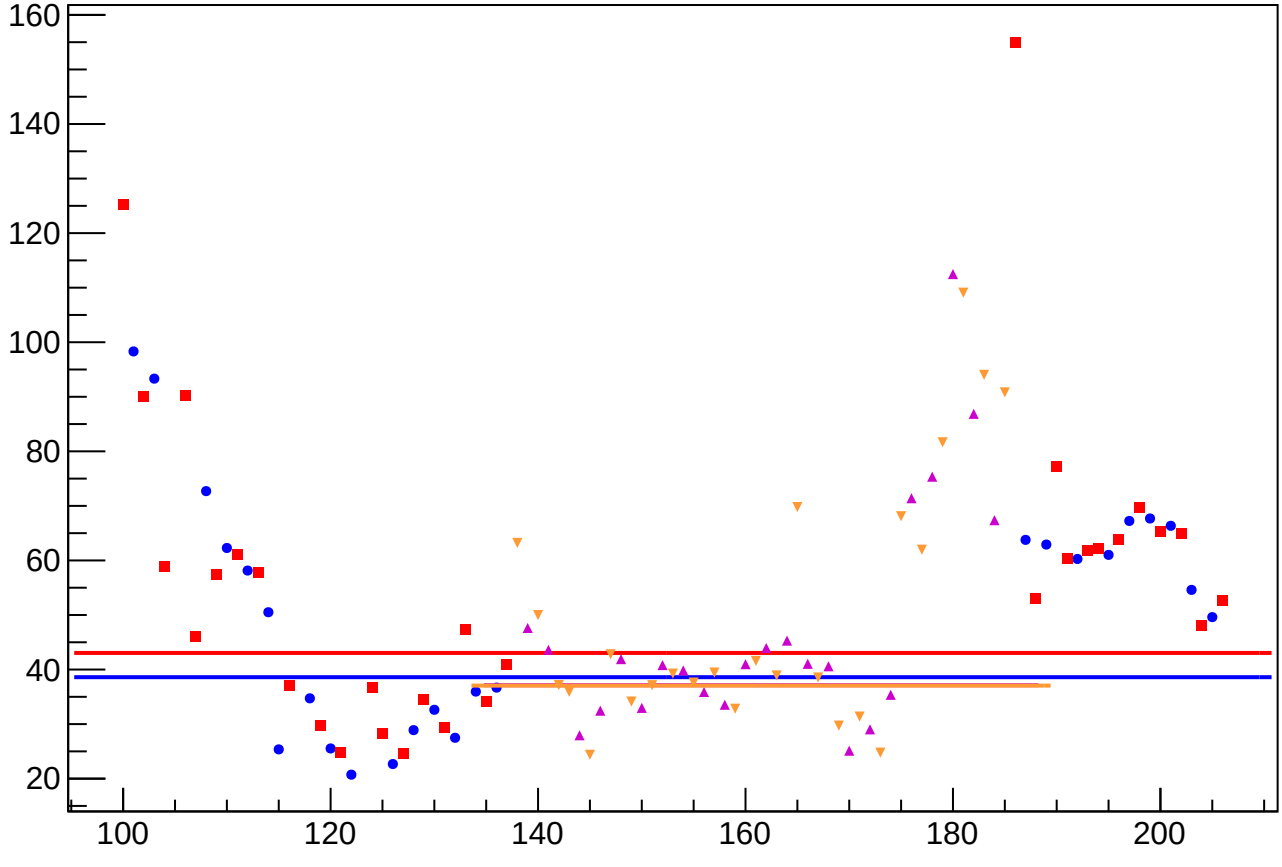
Right: -0.004+/-0.008 χ^2/NDF: 70.2/55

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 112.9/103

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

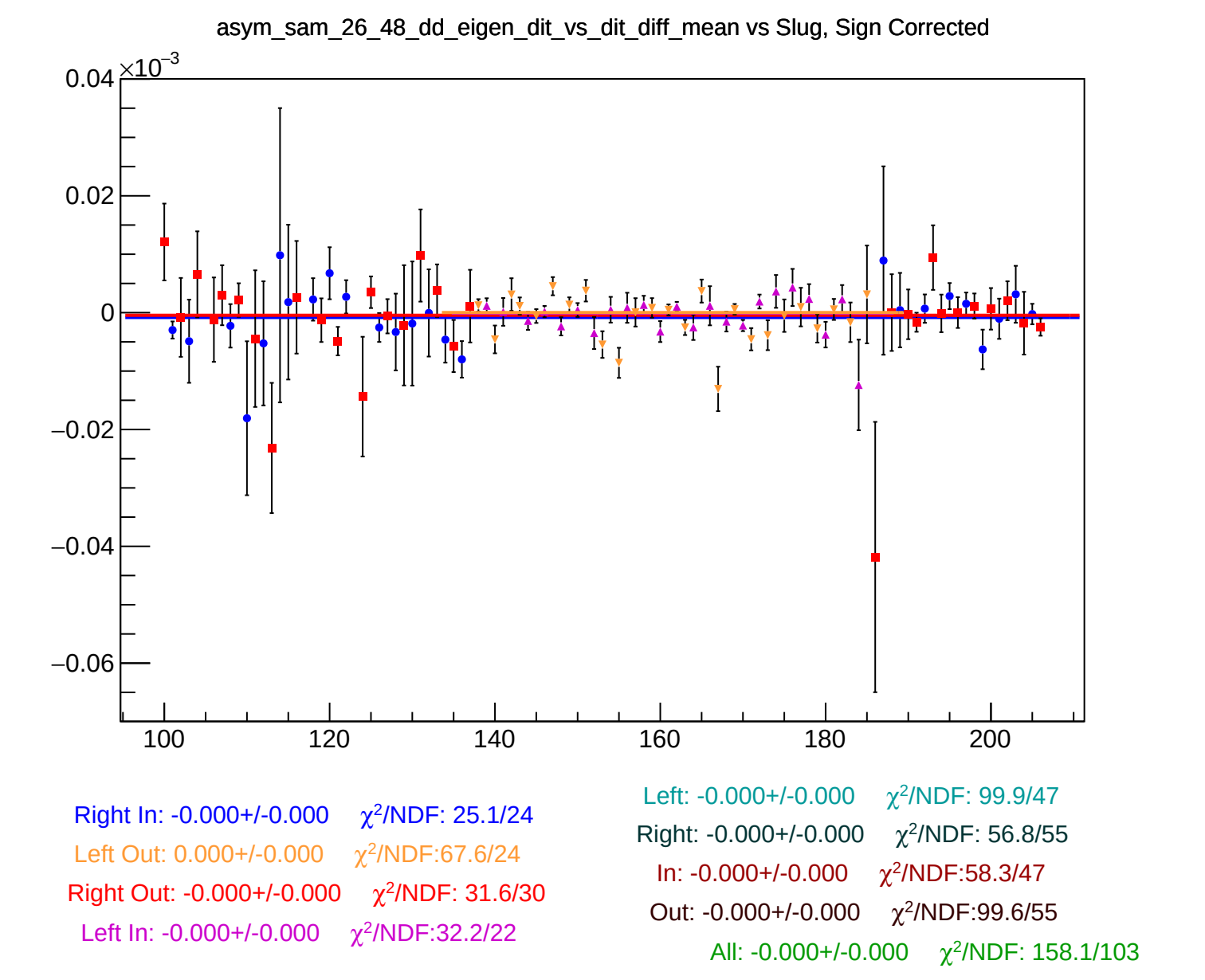
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 40.788+/-0.006 χ^2/NDF: 9034319.3/55

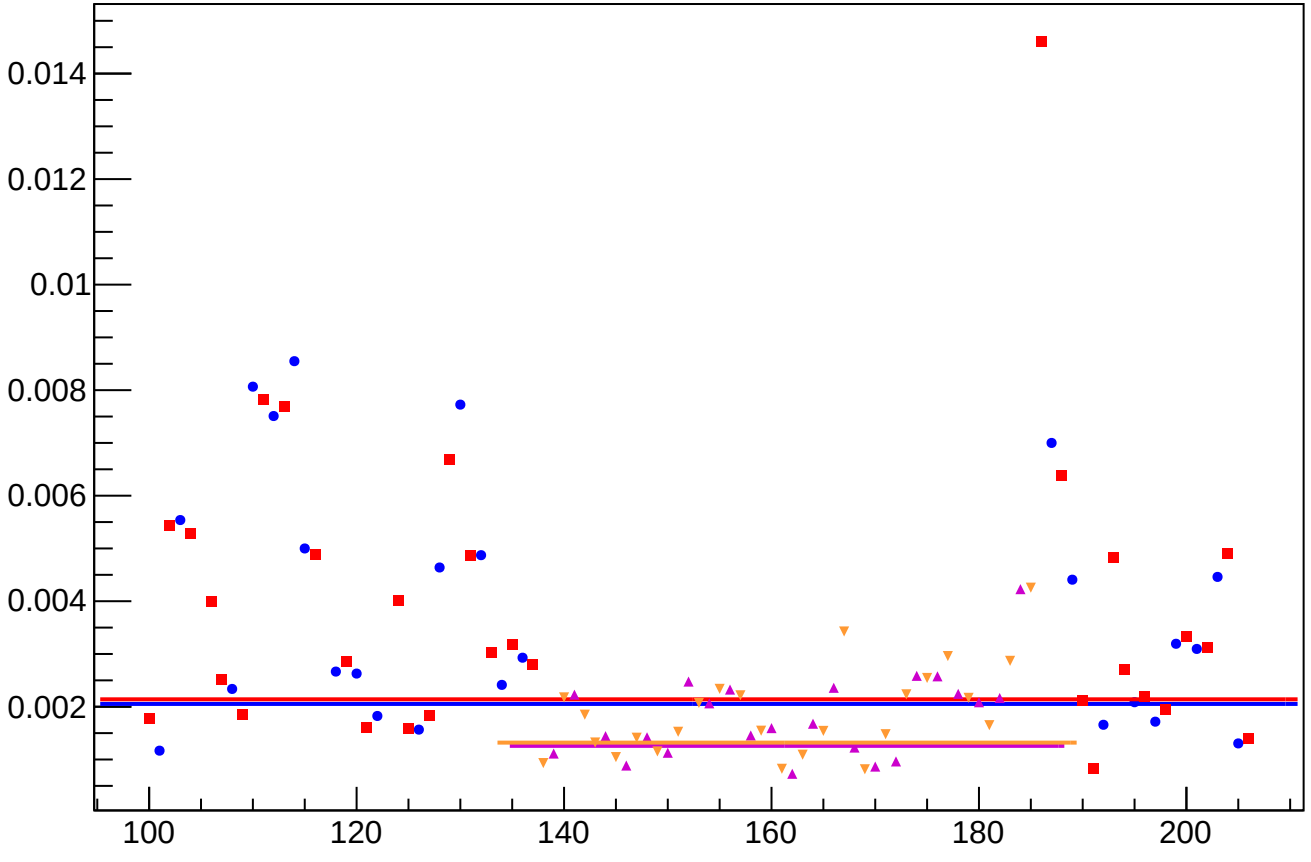
In: 37.718+/-0.005 χ^2/NDF:7656167.6/47

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.538+/-0.004 χ^2/NDF: 16351056.6/103


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.1/24
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.6/30
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 56.8/55
In: -0.000+/-0.000 χ²/NDF:58.3/47
Out: -0.000+/-0.000 χ²/NDF:99.6/55
All: -0.000+/-0.000 χ²/NDF: 158.1/103

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5755899.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8016732.3/30

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

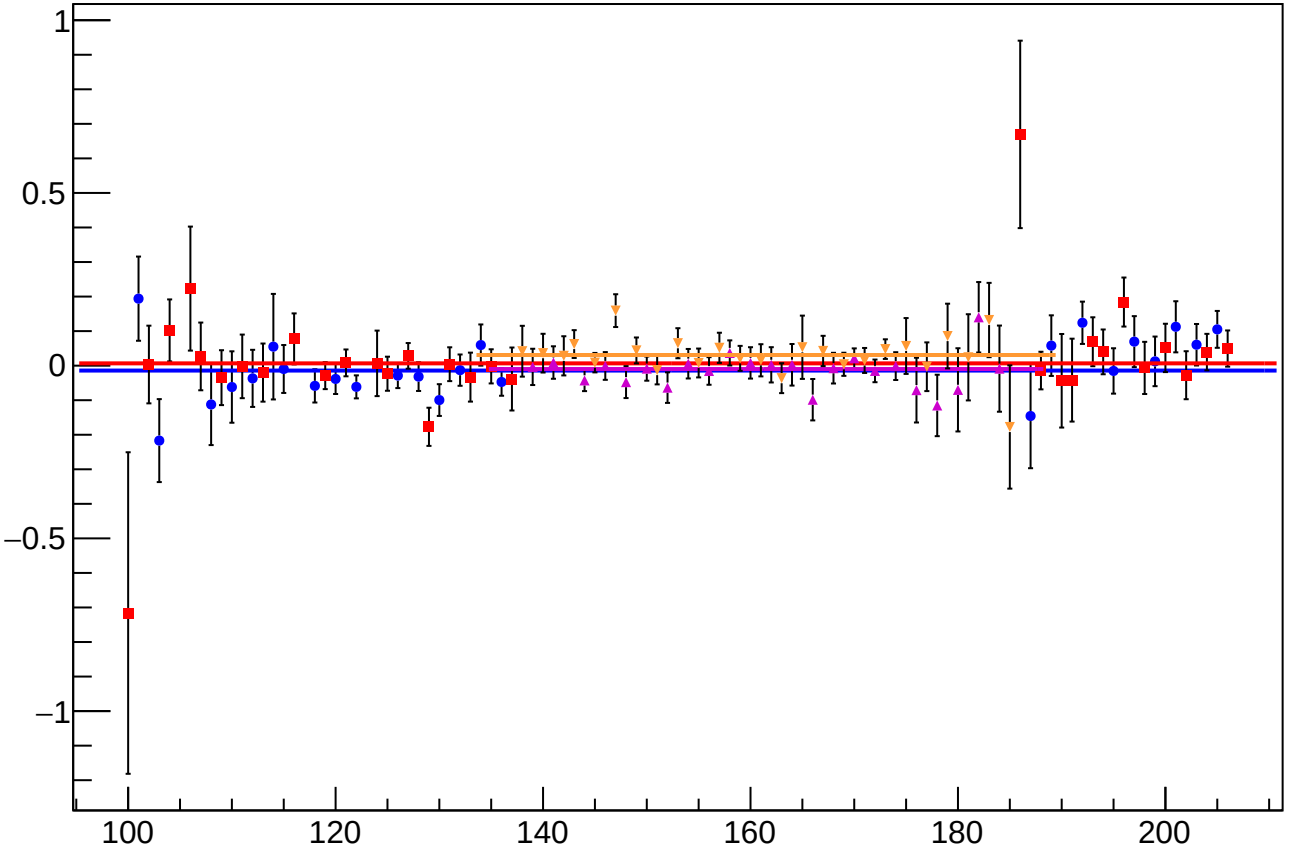
Right: 0.002+/-0.000 χ^2/NDF: 13791586.7/55

In: 0.001+/-0.000 χ^2/NDF:13545397.0/47

Out: 0.001+/-0.000 χ^2/NDF:16308870.4/55

All: 0.001+/-0.000 χ^2/NDF: 29920776.2/103

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

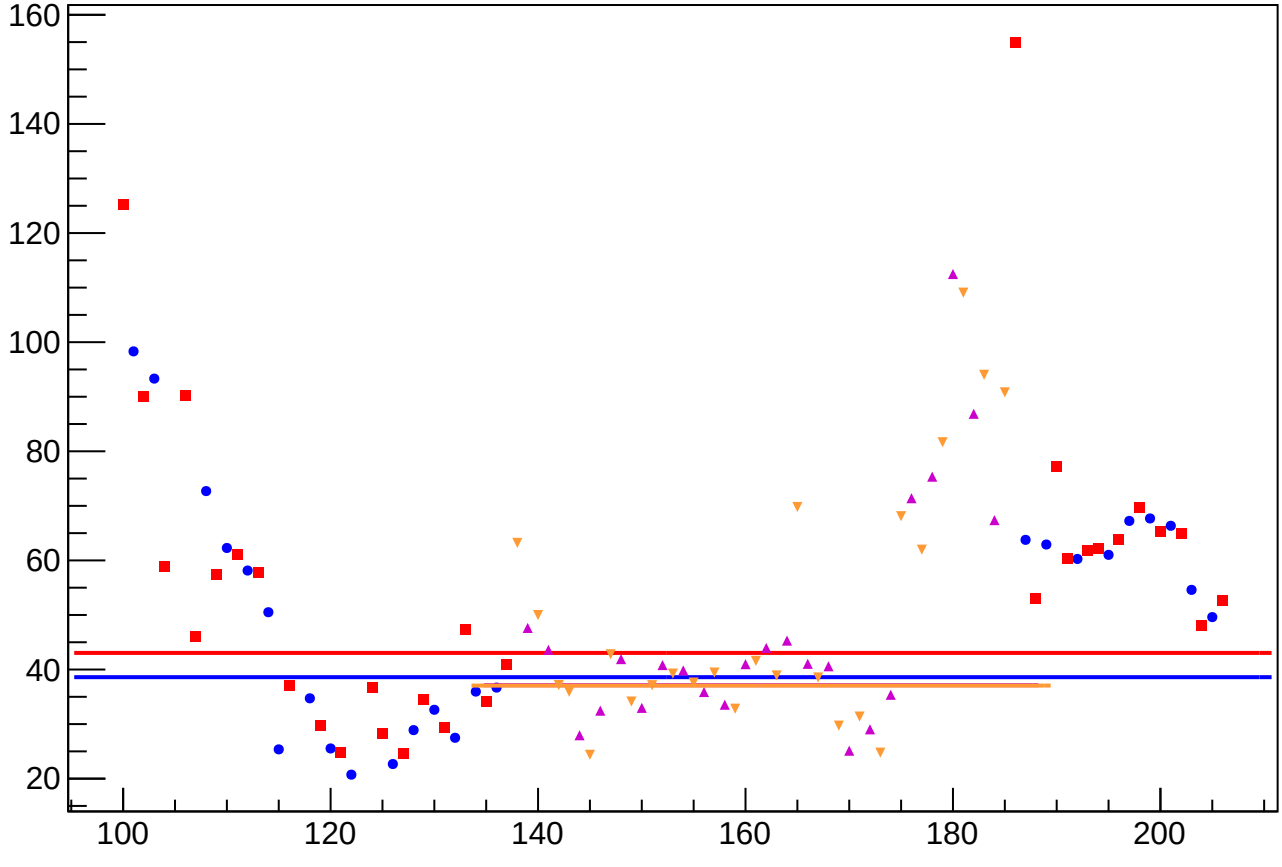
Right: -0.004+/-0.008 χ^2/NDF: 70.2/55

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 112.9/103

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

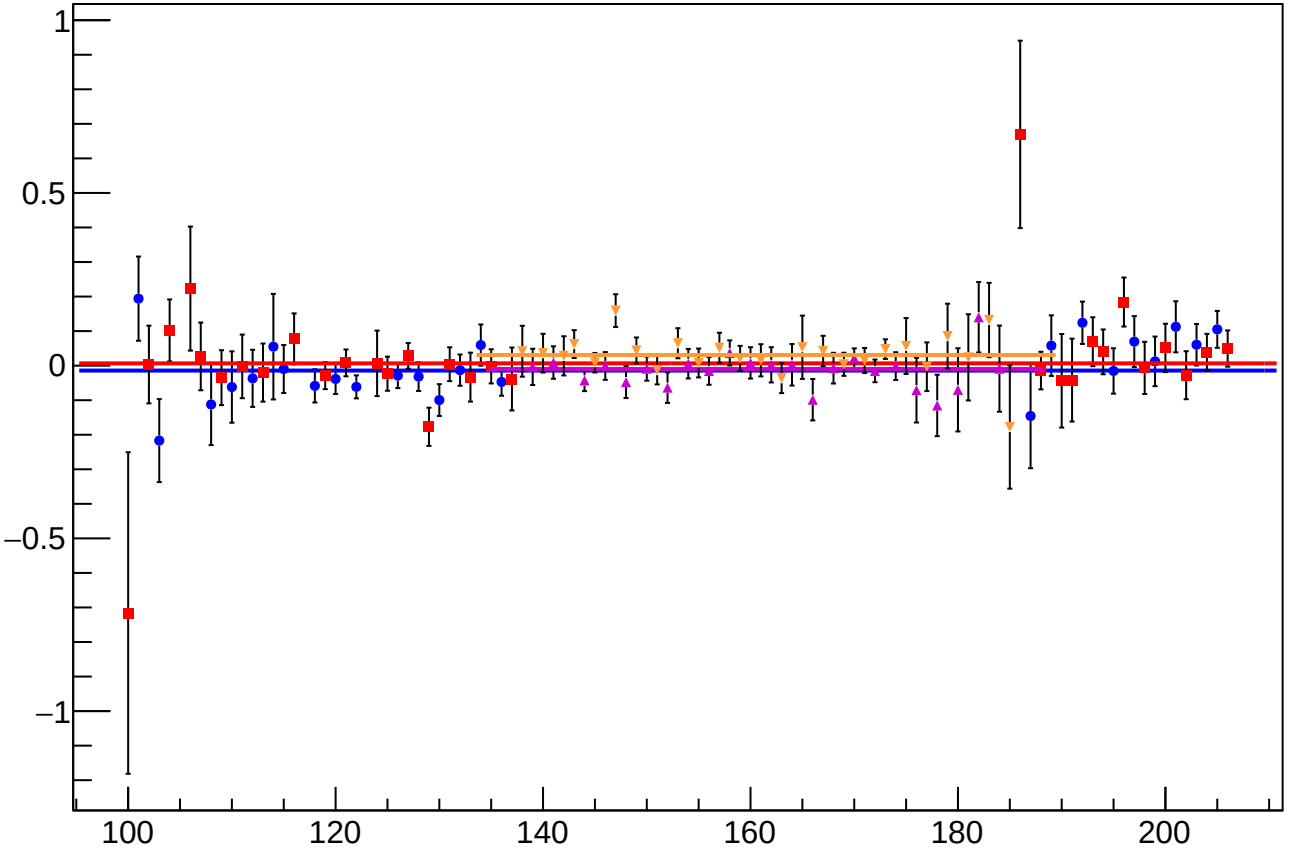
Right: 40.789+/-0.006 χ^2/NDF: 9034017.2/55

In: 37.718+/-0.005 χ^2/NDF:7656049.3/47

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.538+/-0.004 χ^2/NDF: 16350790.4/103

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

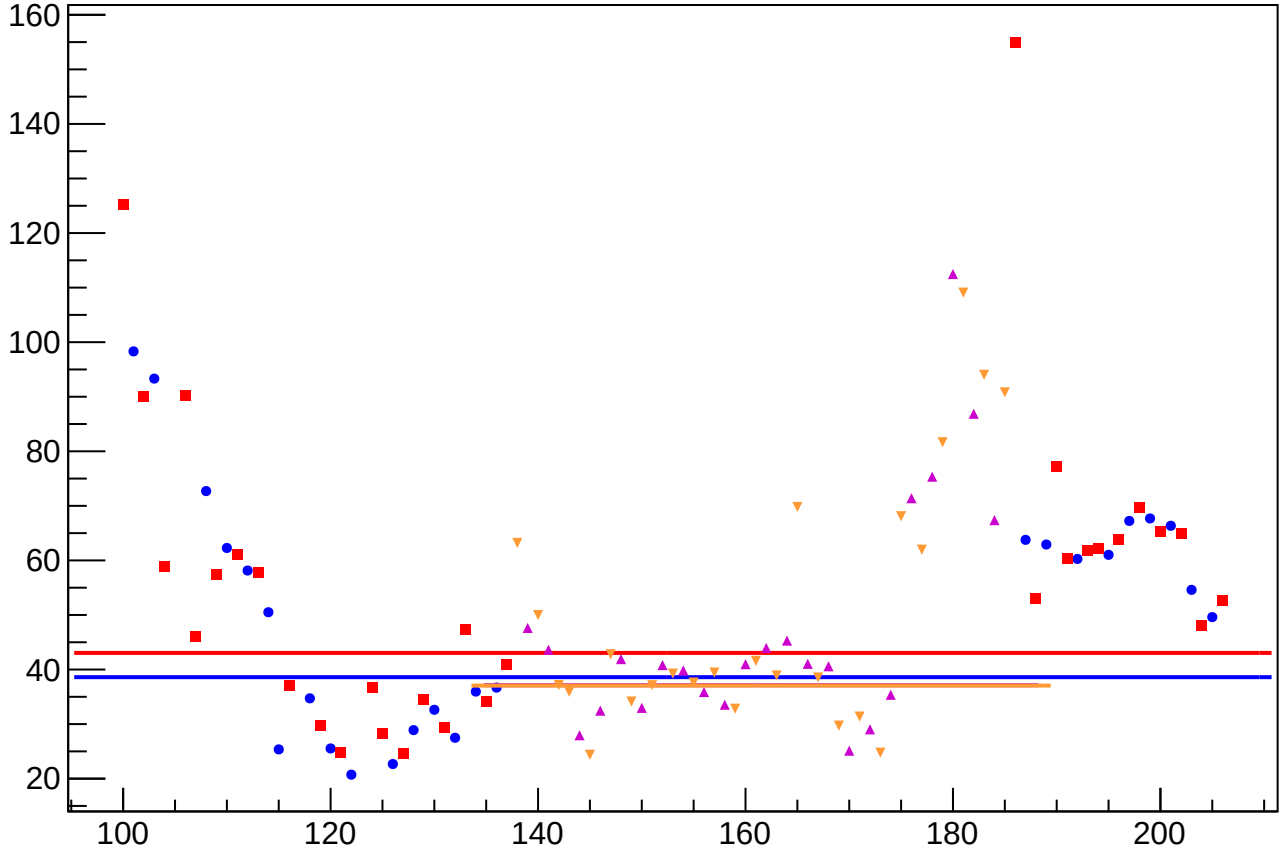
Right: -0.004+/-0.008 χ^2/NDF: 70.2/55

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 112.9/103

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

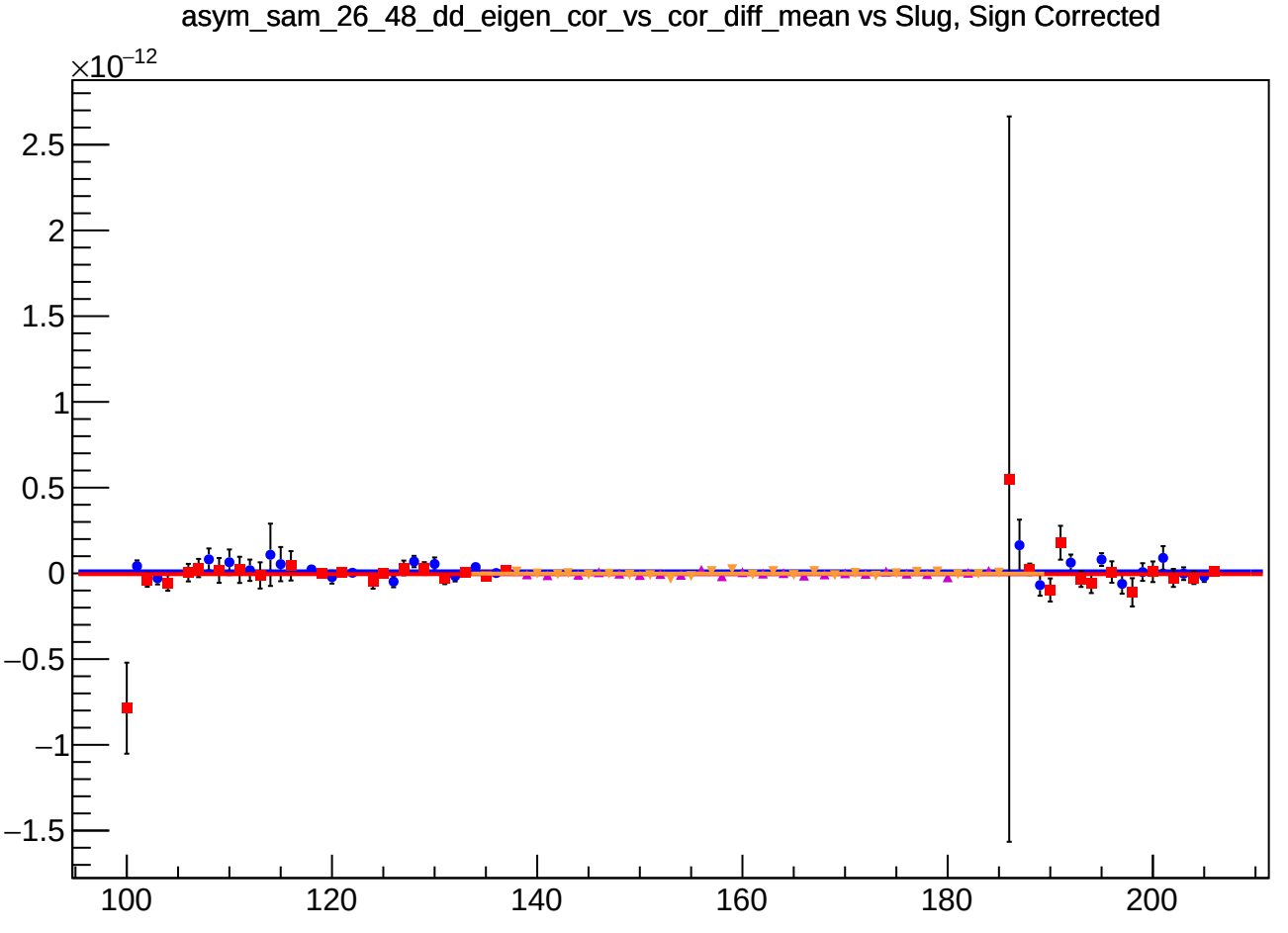
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 40.789+/-0.006 χ^2/NDF: 9034017.2/55

In: 37.718+/-0.005 χ^2/NDF:7656049.3/47

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.538+/-0.004 χ^2/NDF: 16350790.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

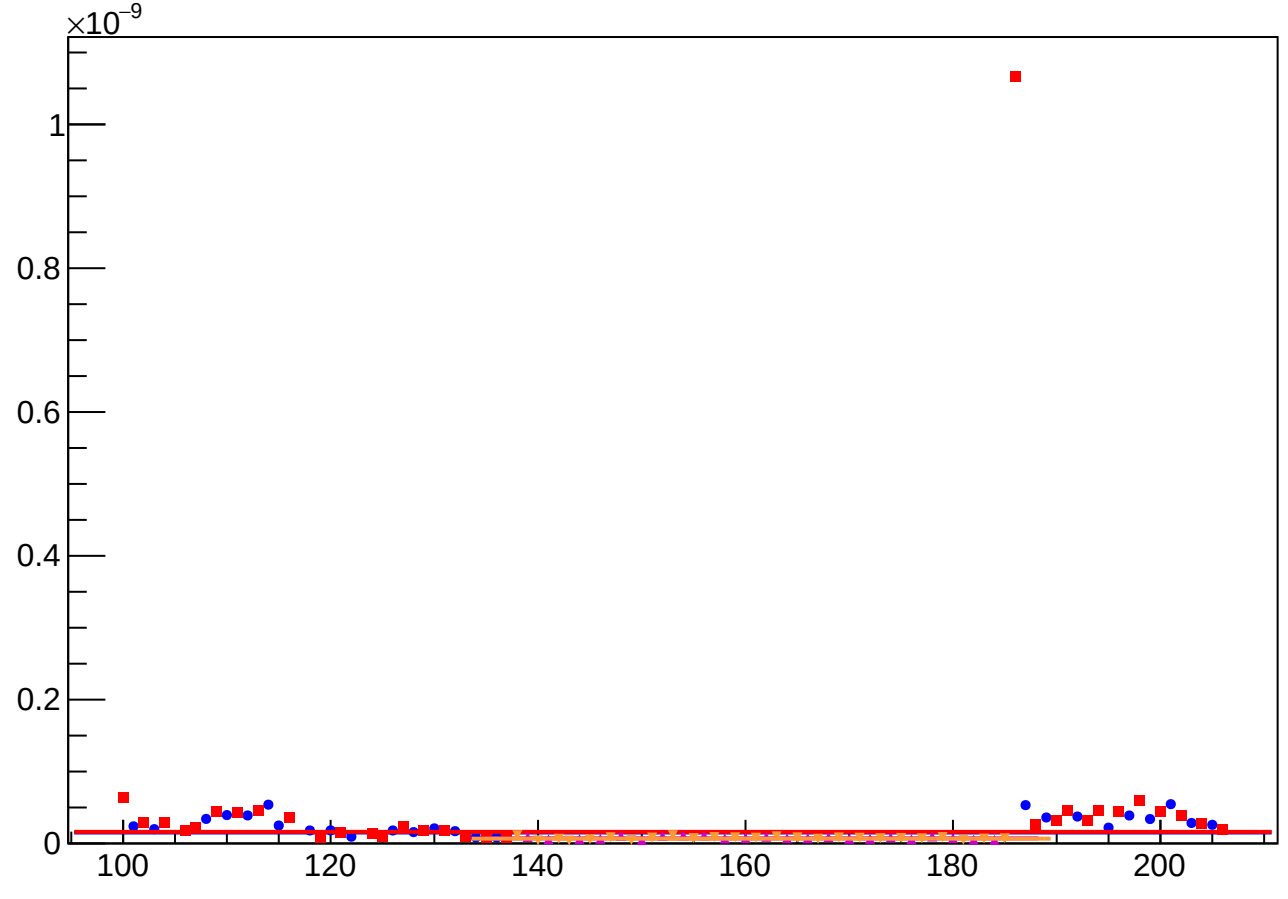
Right: 0.000+/-0.000 χ^2/NDF: 59.8/55

In: -0.000+/-0.000 χ^2/NDF:54.3/47

Out: -0.000+/-0.000 χ^2/NDF:54.1/55

All: -0.000+/-0.000 χ^2/NDF: 108.3/103

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5124309.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7184501.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

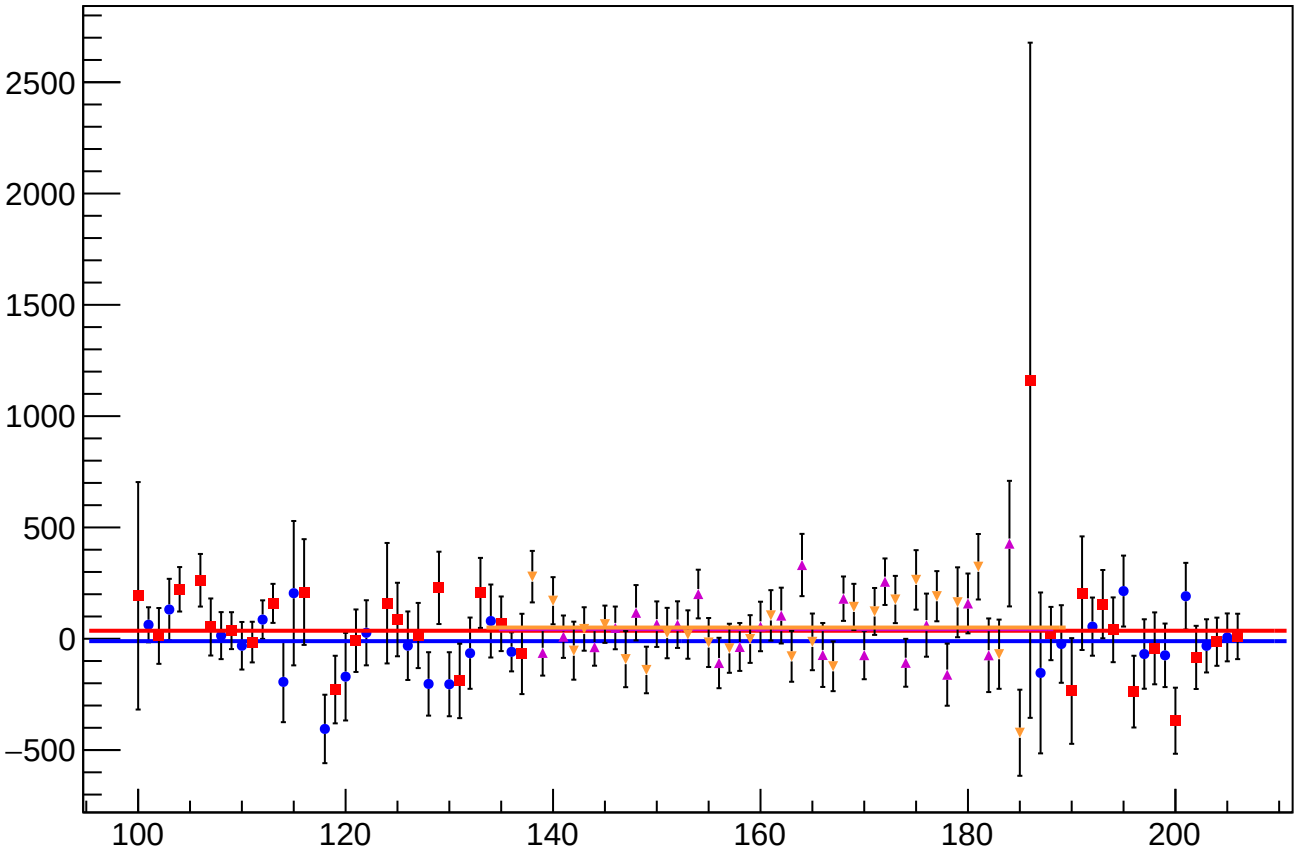
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12330076.5/55

In: 0.000+/-0.000 χ^2/NDF:9923078.7/47

Out: 0.000+/-0.000 χ^2/NDF:13742695.7/55

All: 0.000+/-0.000 χ^2/NDF: 23708767.3/103



Right In: -10.798+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 35.962+/-24.525 χ^2/NDF: 32.8/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

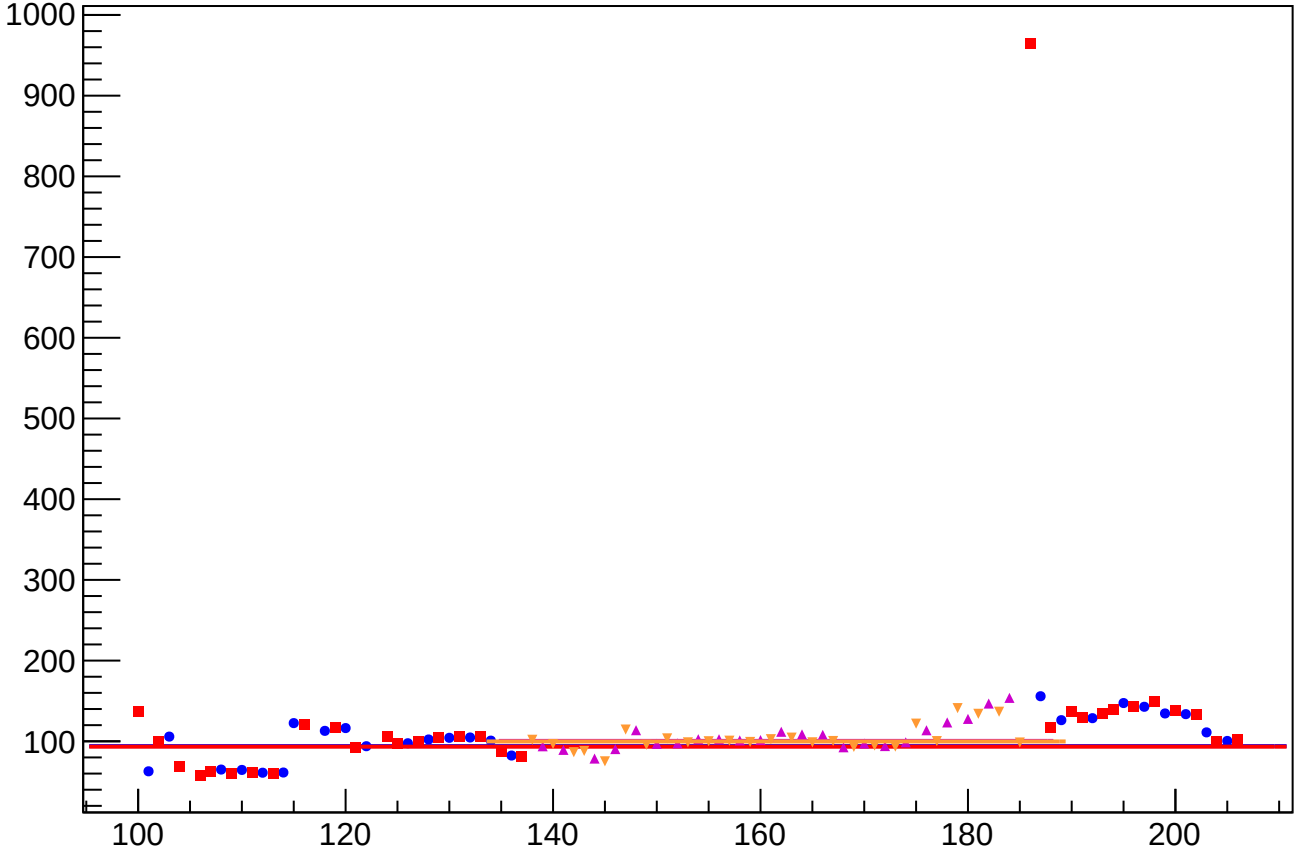
Right: 14.139+/-17.910 χ^2/NDF: 55.5/55

In: 18.755+/-17.605 χ^2/NDF:50.0/47

Out: 43.611+/-16.760 χ^2/NDF:66.4/55

All: 31.793+/-12.139 χ^2/NDF: 117.4/103

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.041+/-0.019 χ^2/NDF: 2159505.1/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.348+/-0.017 χ^2/NDF: 3425681.5/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

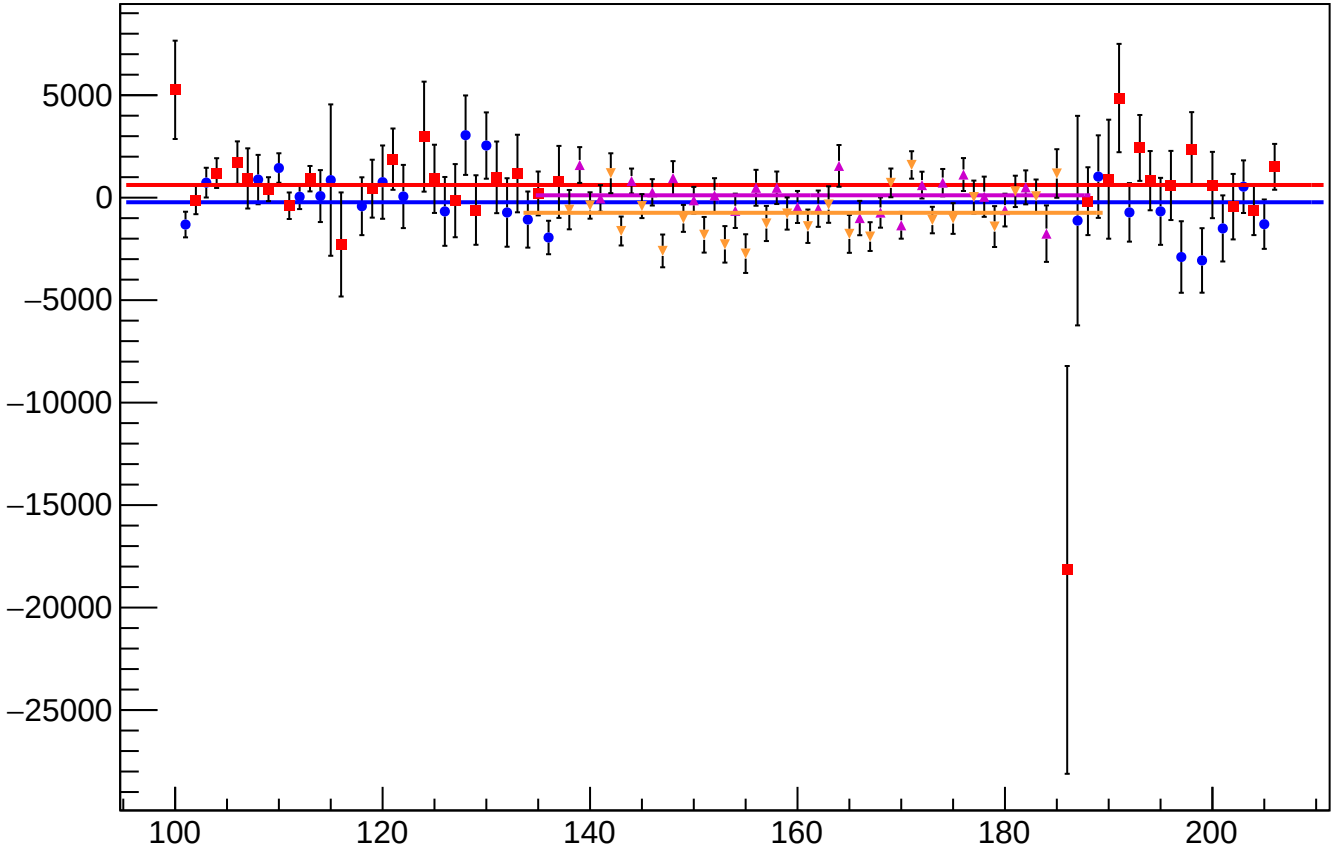
Right: 93.671+/-0.013 χ^2/NDF: 5585931.8/55

In: 97.586+/-0.012 χ^2/NDF:2882969.2/47

Out: 96.807+/-0.012 χ^2/NDF:4198116.1/55

All: 97.178+/-0.009 χ^2/NDF: 7083138.6/103

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -223.617+/-231.232 χ^2/NDF: 30.4/24

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 619.006+/-213.218 χ^2/NDF: 24.1/30

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

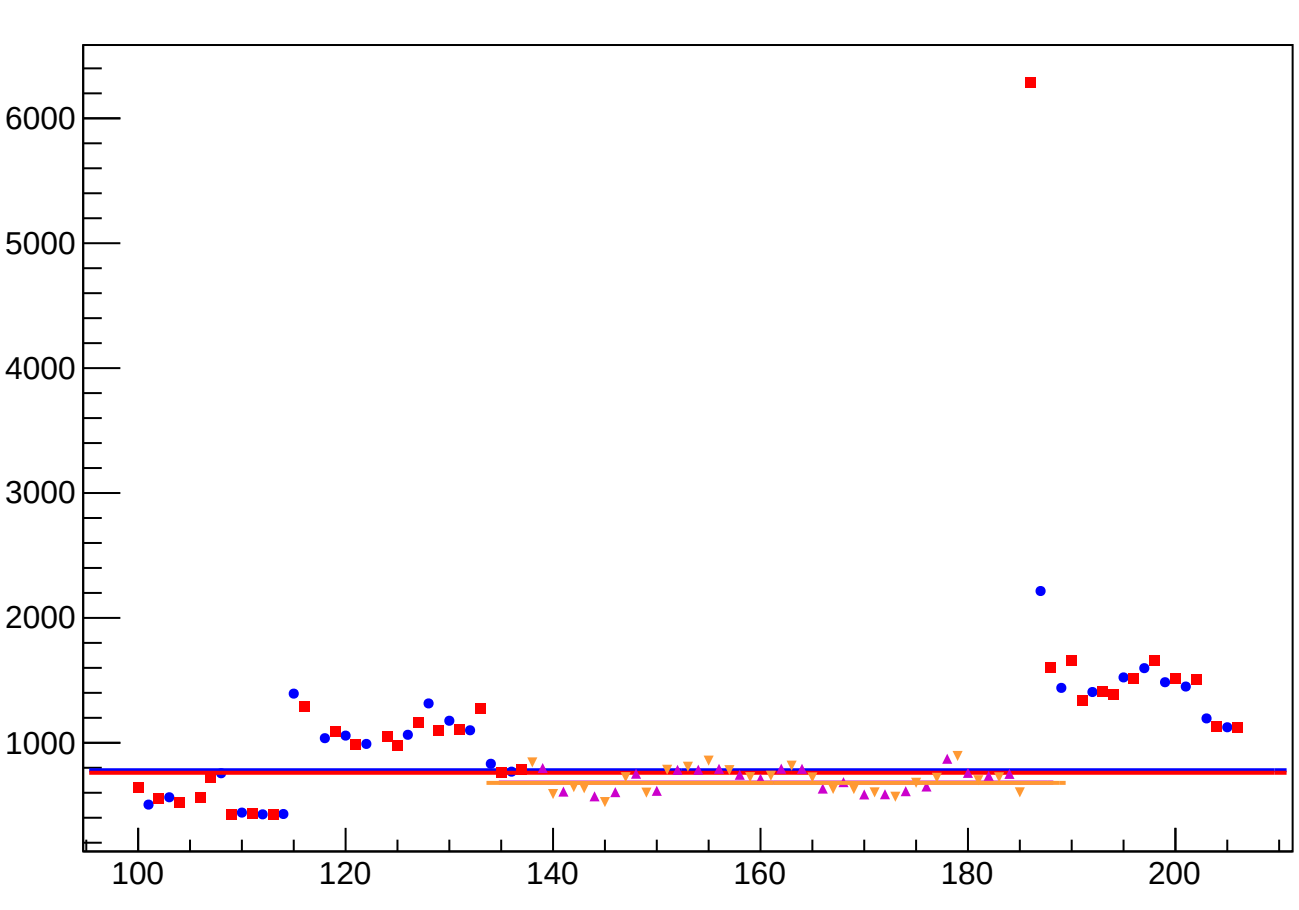
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 231.790+/-156.750 χ^2/NDF: 61.6/55

In: 4.879+/-132.122 χ^2/NDF:55.6/47

Out: -263.871+/-126.064 χ^2/NDF:100.1/55

All: -135.798+/-91.207 χ^2/NDF: 157.9/103



Right In: 780.357+/-0.164 χ^2/NDF: 5186372.1/24

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 760.081+/-0.151 χ^2/NDF: 7234494.7/30

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

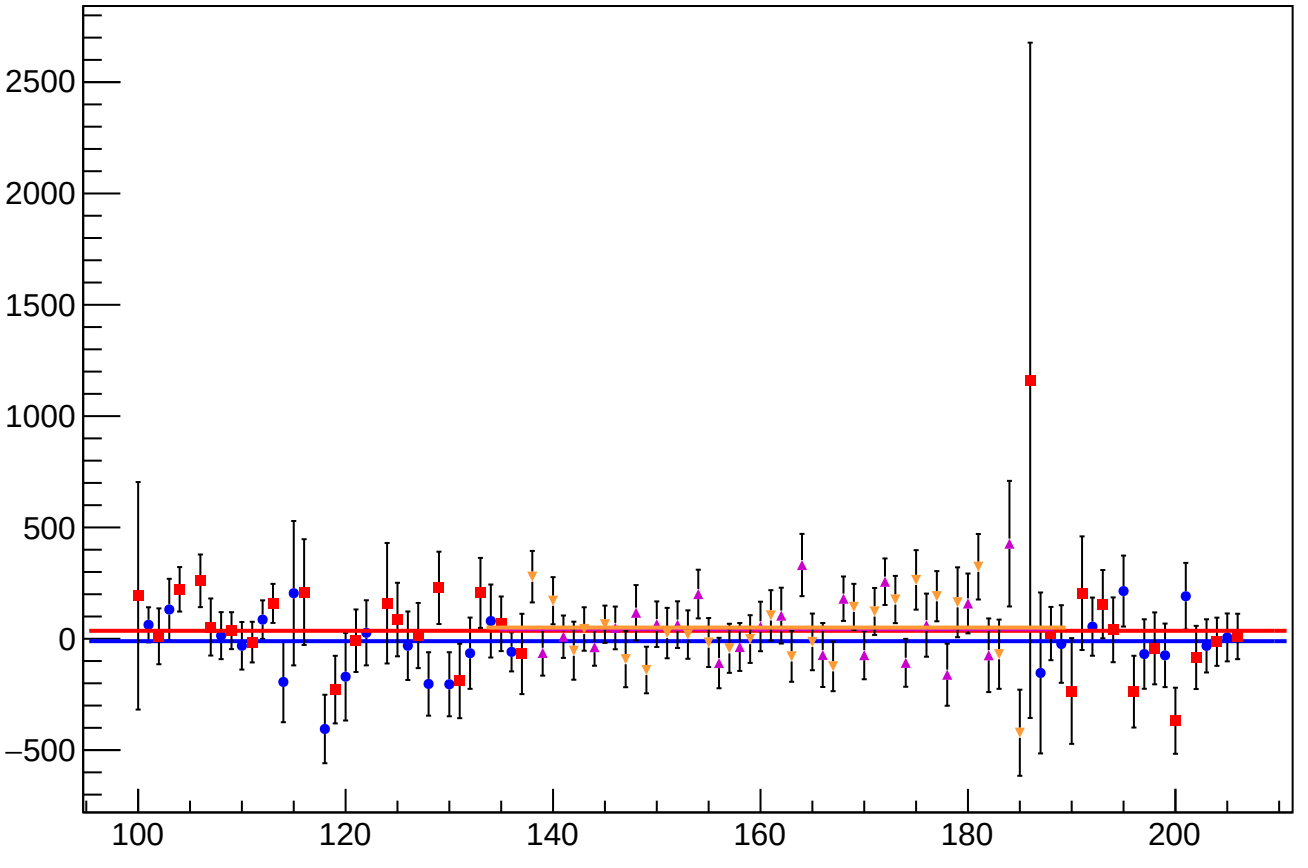
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 769.398+/-0.111 χ^2/NDF: 12429178.1/55

In: 714.039+/-0.093 χ^2/NDF:6004436.7/47

Out: 707.438+/-0.089 χ^2/NDF:8159348.8/55

All: 710.584+/-0.064 χ^2/NDF: 14166398.7/10



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 35.785+/-24.526 χ^2/NDF: 32.7/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

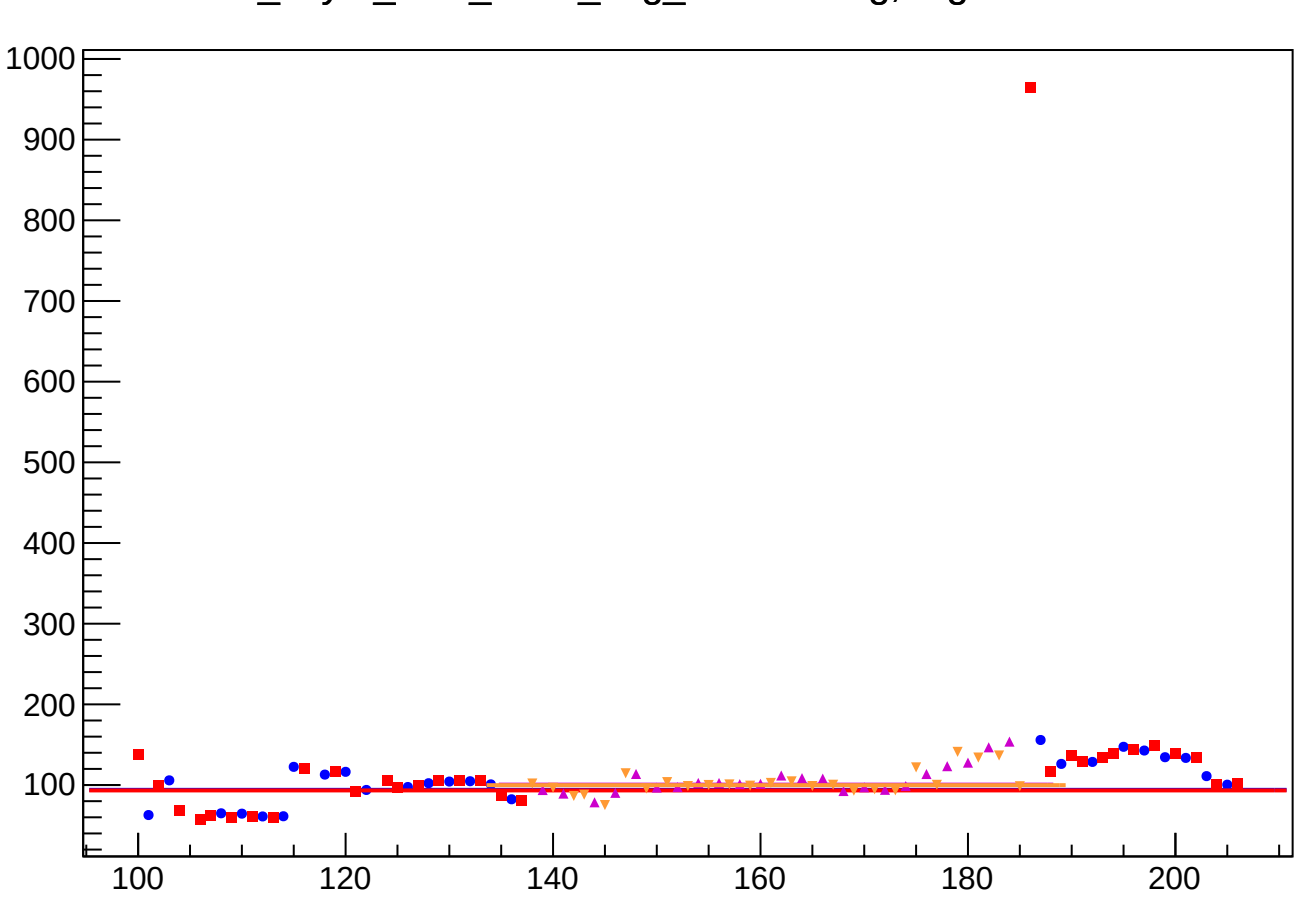
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 14.042+/-17.910 χ^2/NDF: 55.4/55

In: 18.754+/-17.605 χ^2/NDF:50.0/47

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 31.752+/-12.139 χ^2/NDF: 117.3/103



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

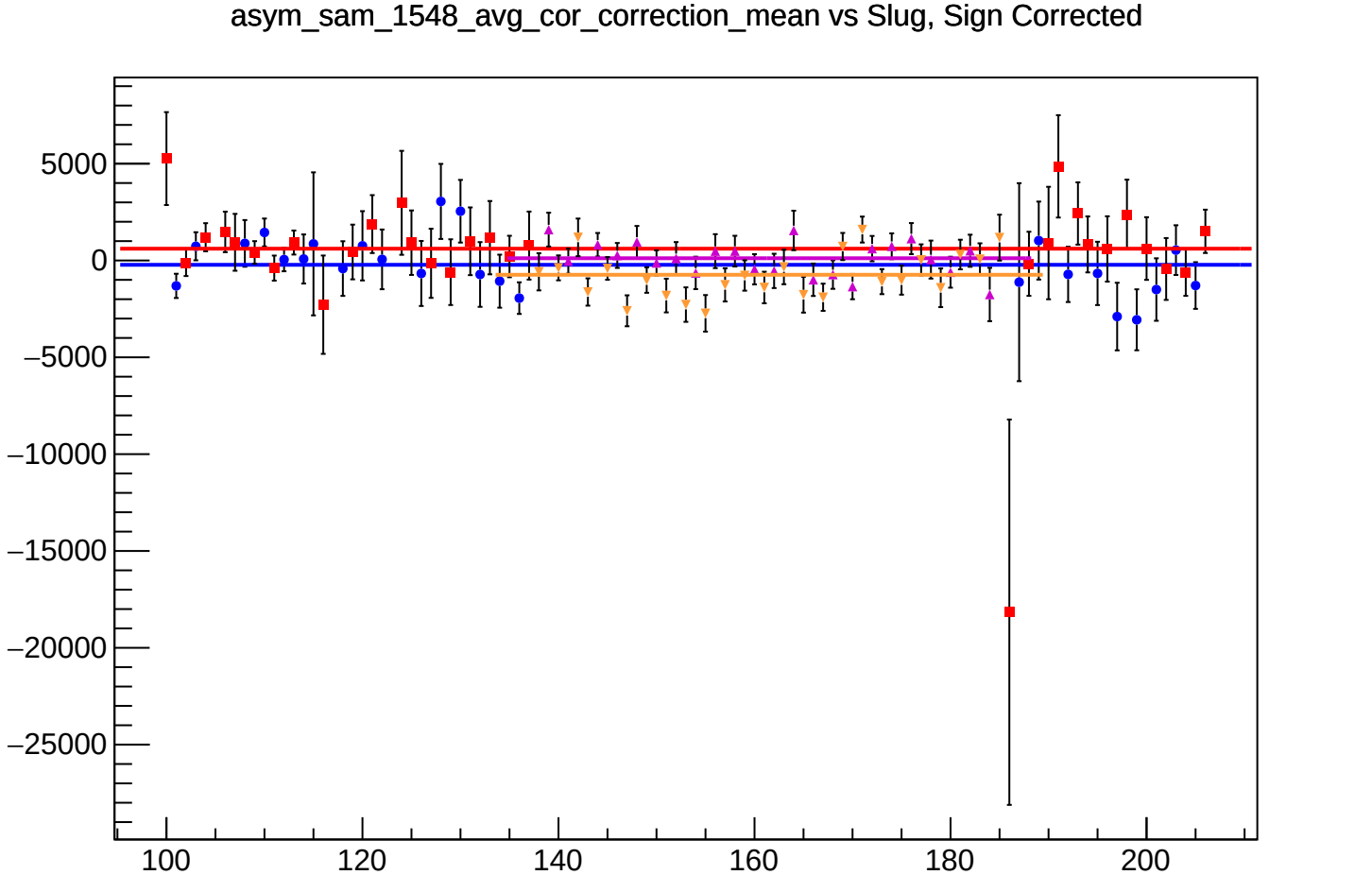
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.665+/-0.013 χ^2/NDF: 5589286.6/55

In: 97.586+/-0.012 χ^2/NDF:2882970.2/47

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.175+/-0.009 χ^2/NDF: 7086752.1/103



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 608.720+/-213.324 χ^2/NDF: 23.6/30

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

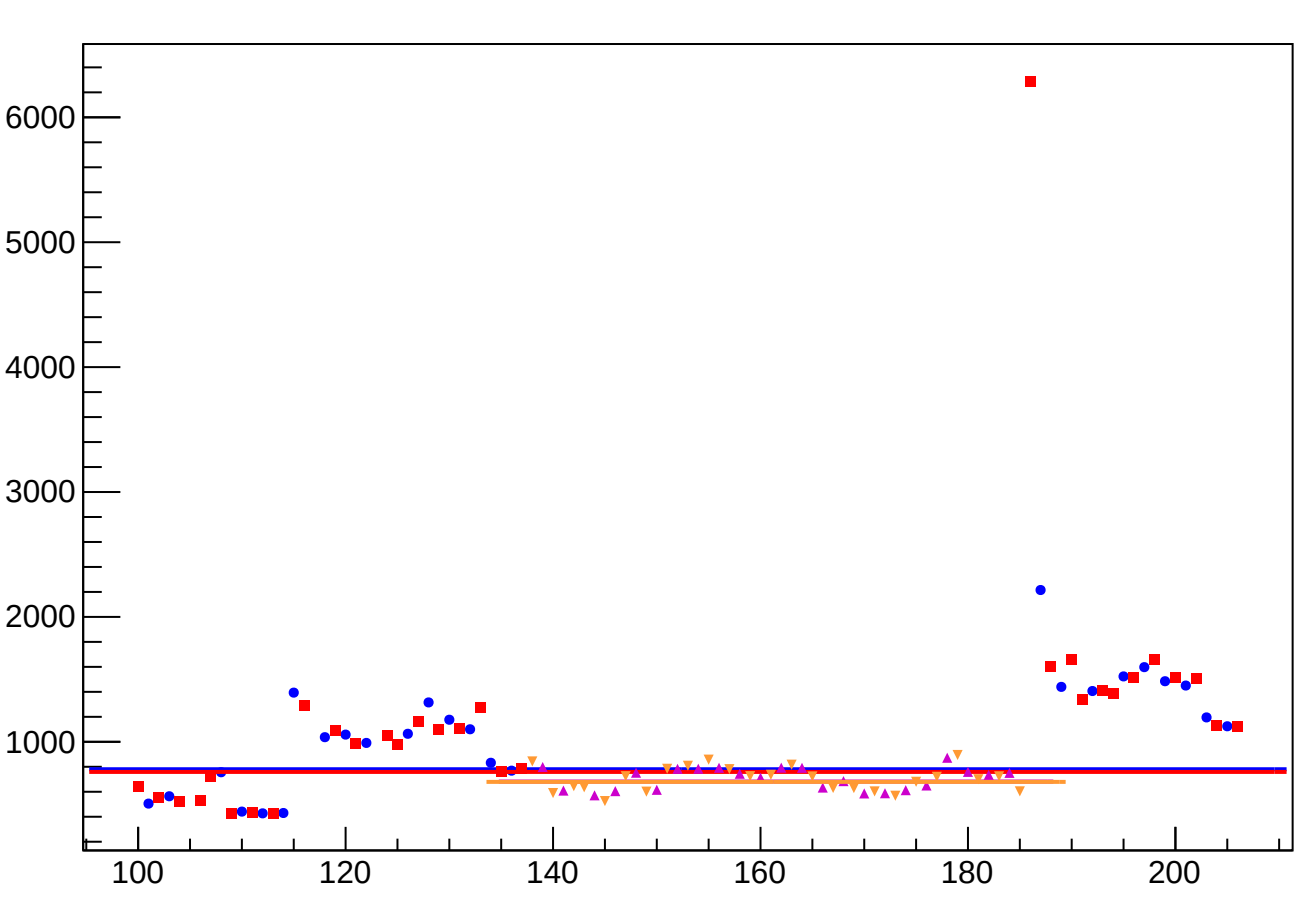
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 226.019+/-156.793 χ^2/NDF: 61.0/55

In: 4.873+/-132.122 χ^2/NDF:55.6/47

Out: -267.763+/-126.086 χ^2/NDF:99.2/55

All: -137.815+/-91.215 χ^2/NDF: 157.0/103



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

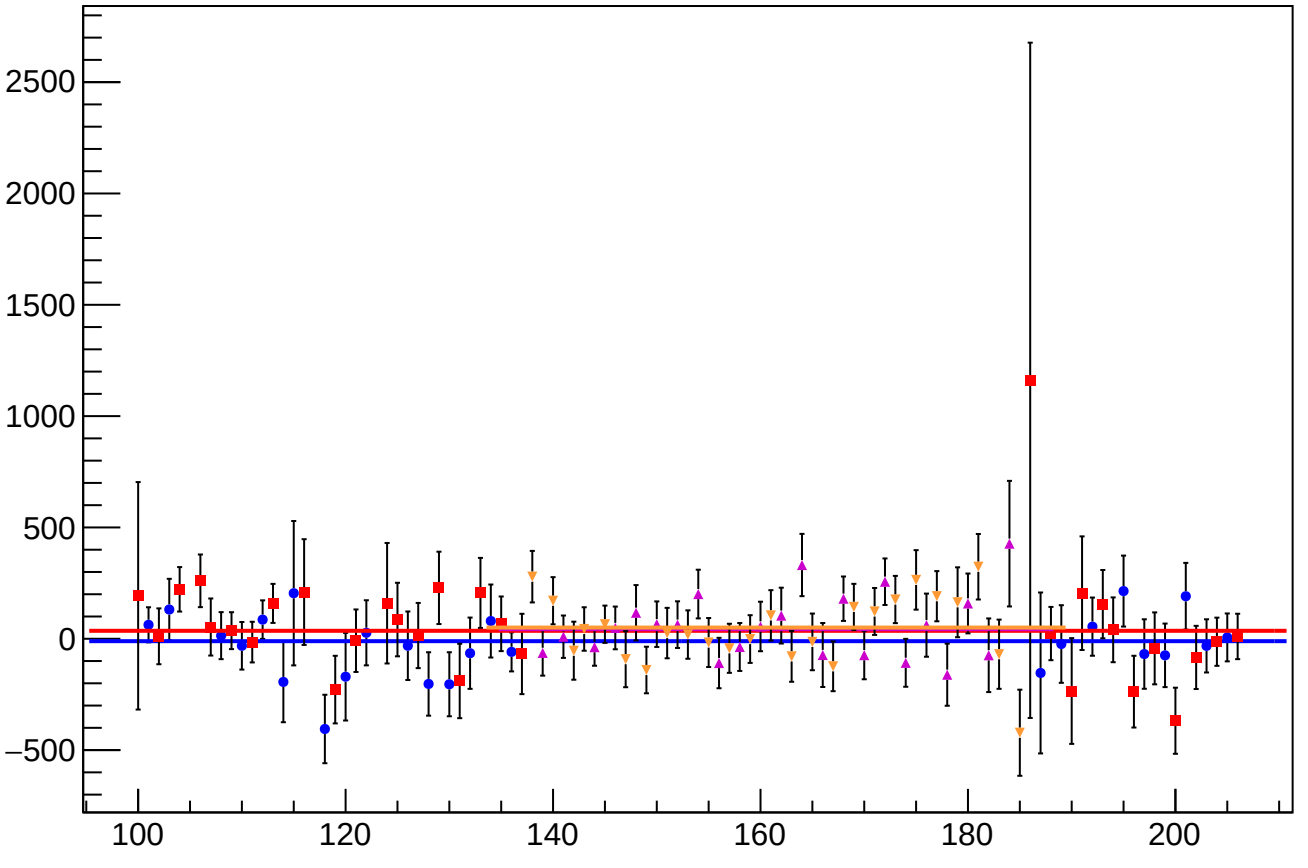
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 768.768+/-0.111 χ^2/NDF: 12454490.2/55

In: 714.042+/-0.093 χ^2/NDF:6004355.5/47

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 710.360+/-0.064 χ^2/NDF: 14185543.3/10



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 35.785+/-24.526 χ^2/NDF: 32.7/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

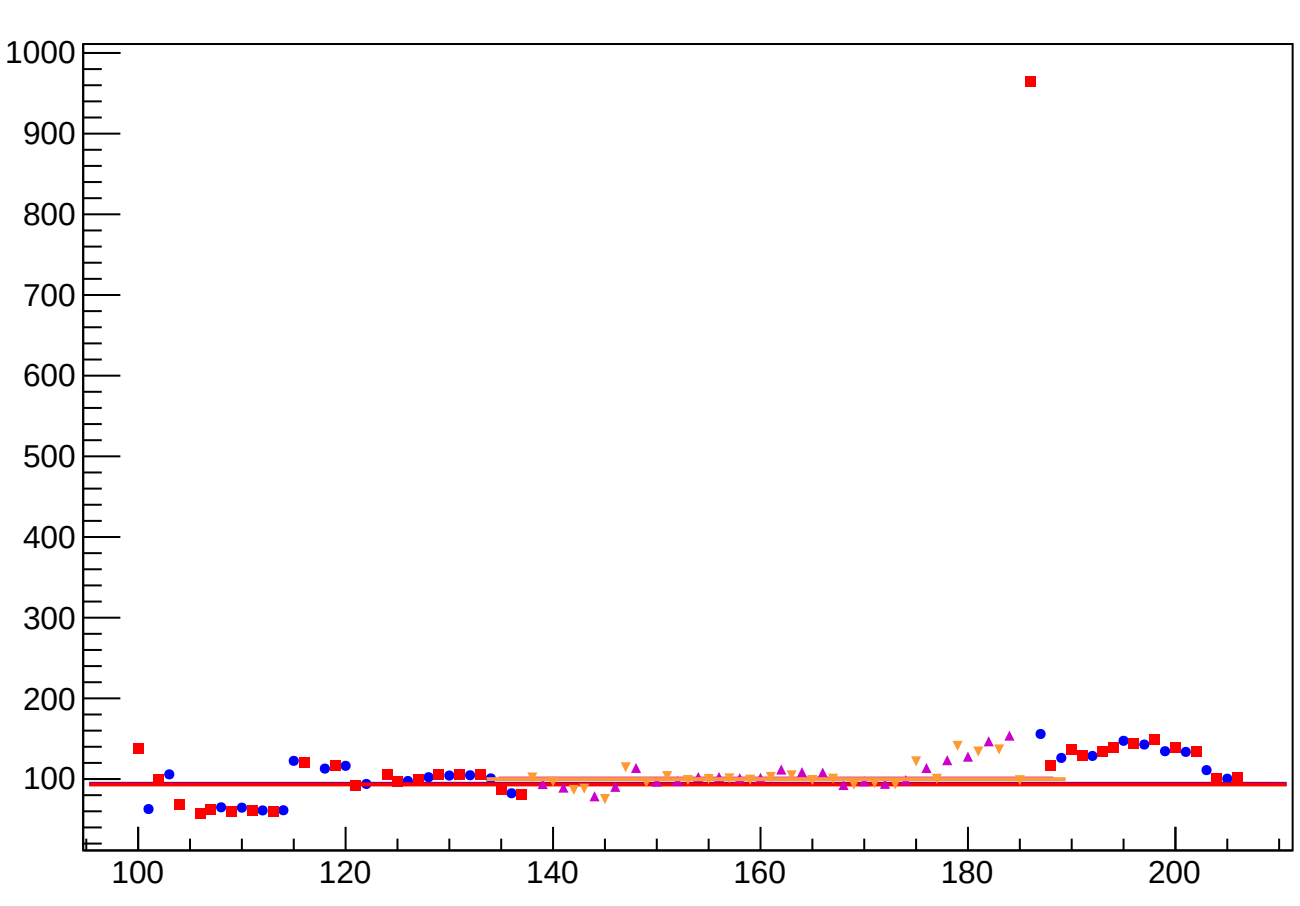
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 14.042+/-17.910 χ^2/NDF: 55.4/55

In: 18.754+/-17.605 χ^2/NDF:50.0/47

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 31.752+/-12.139 χ^2/NDF: 117.3/103



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

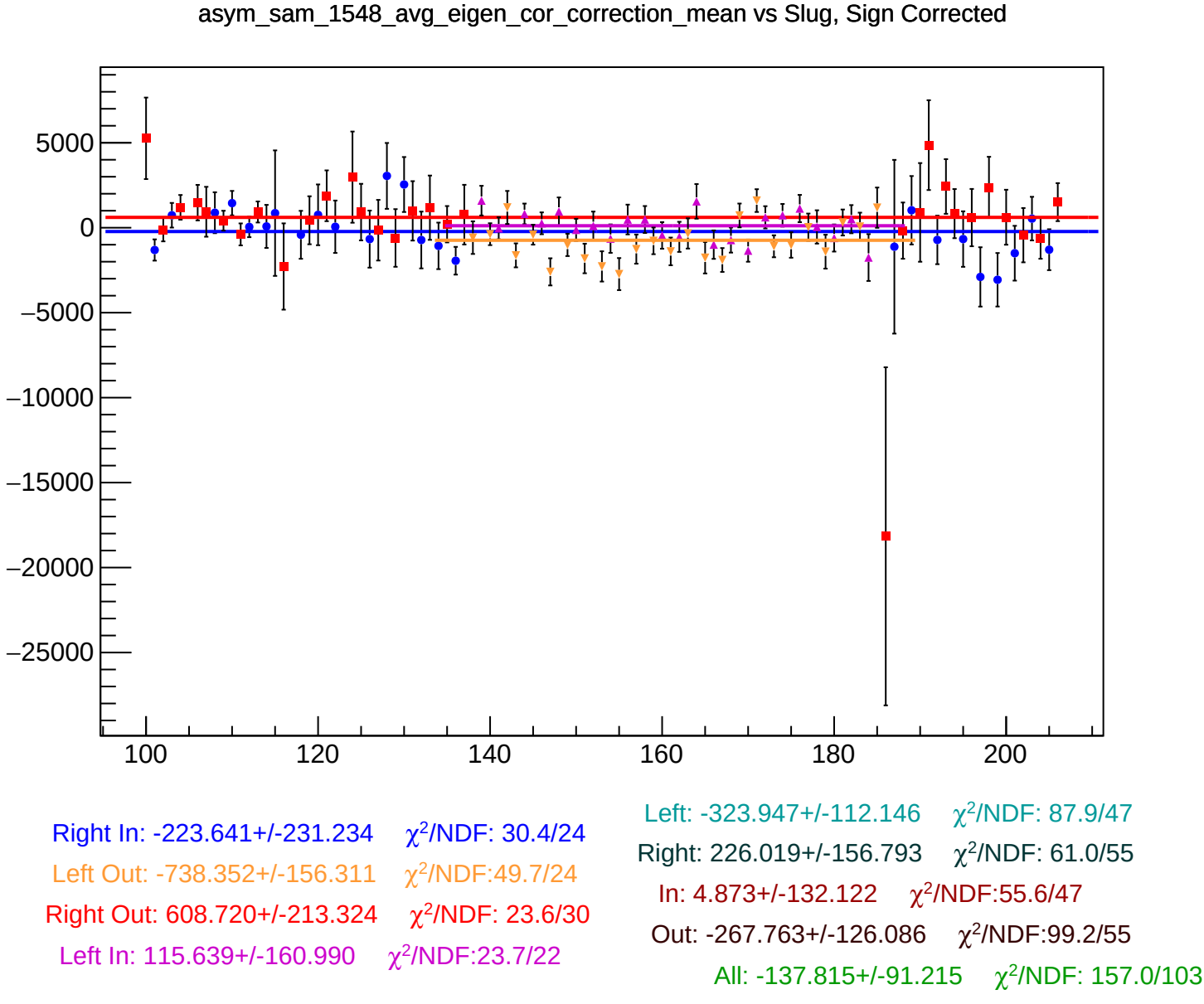
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.665+/-0.013 χ^2/NDF: 5589286.6/55

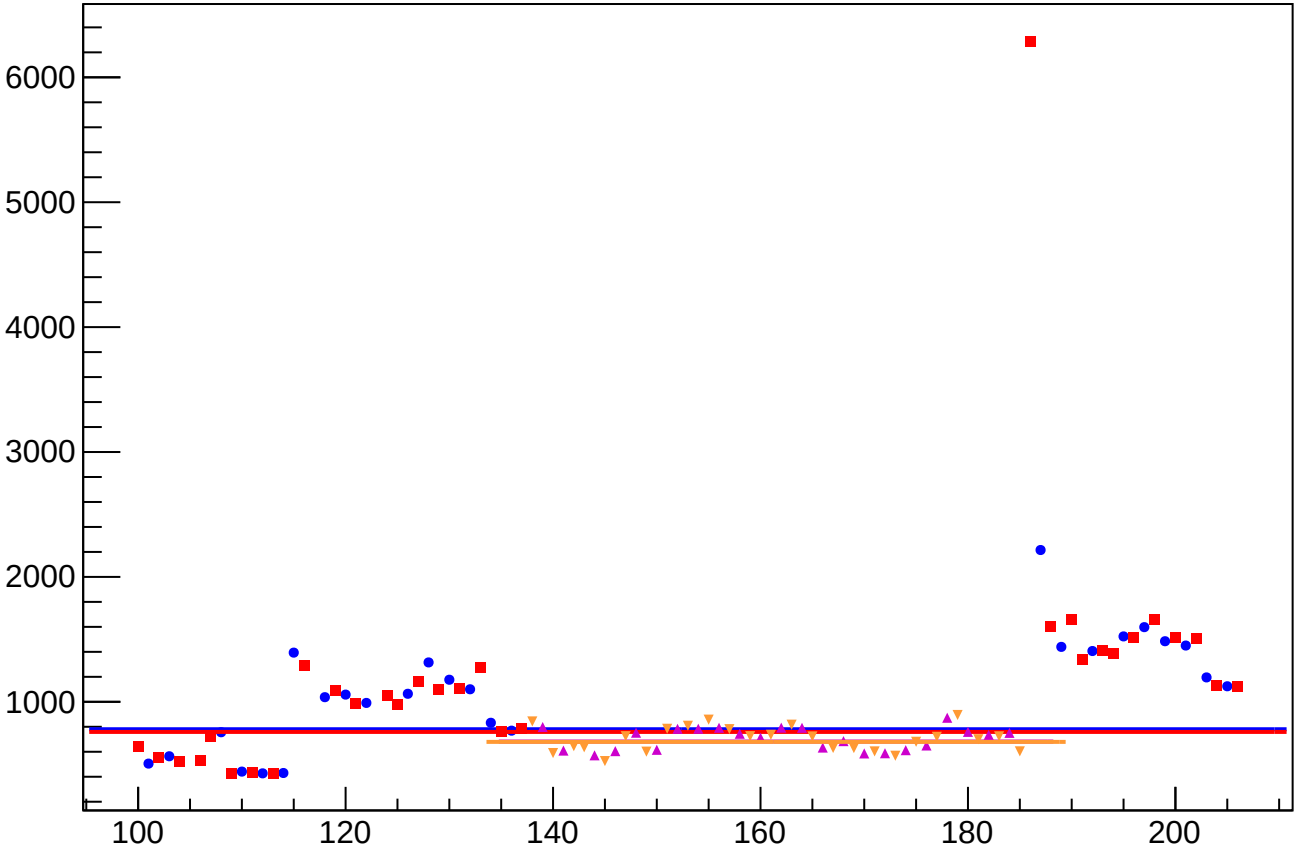
In: 97.586+/-0.012 χ^2/NDF:2882970.2/47

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.175+/-0.009 χ^2/NDF: 7086752.1/103


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -223.641+/-231.234 χ²/NDF: 30.4/24
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 608.720+/-213.324 χ²/NDF: 23.6/30
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 226.019+/-156.793 χ²/NDF: 61.0/55
In: 4.873+/-132.122 χ²/NDF:55.6/47
Out: -267.763+/-126.086 χ²/NDF:99.2/55
All: -137.815+/-91.215 χ²/NDF: 157.0/103

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

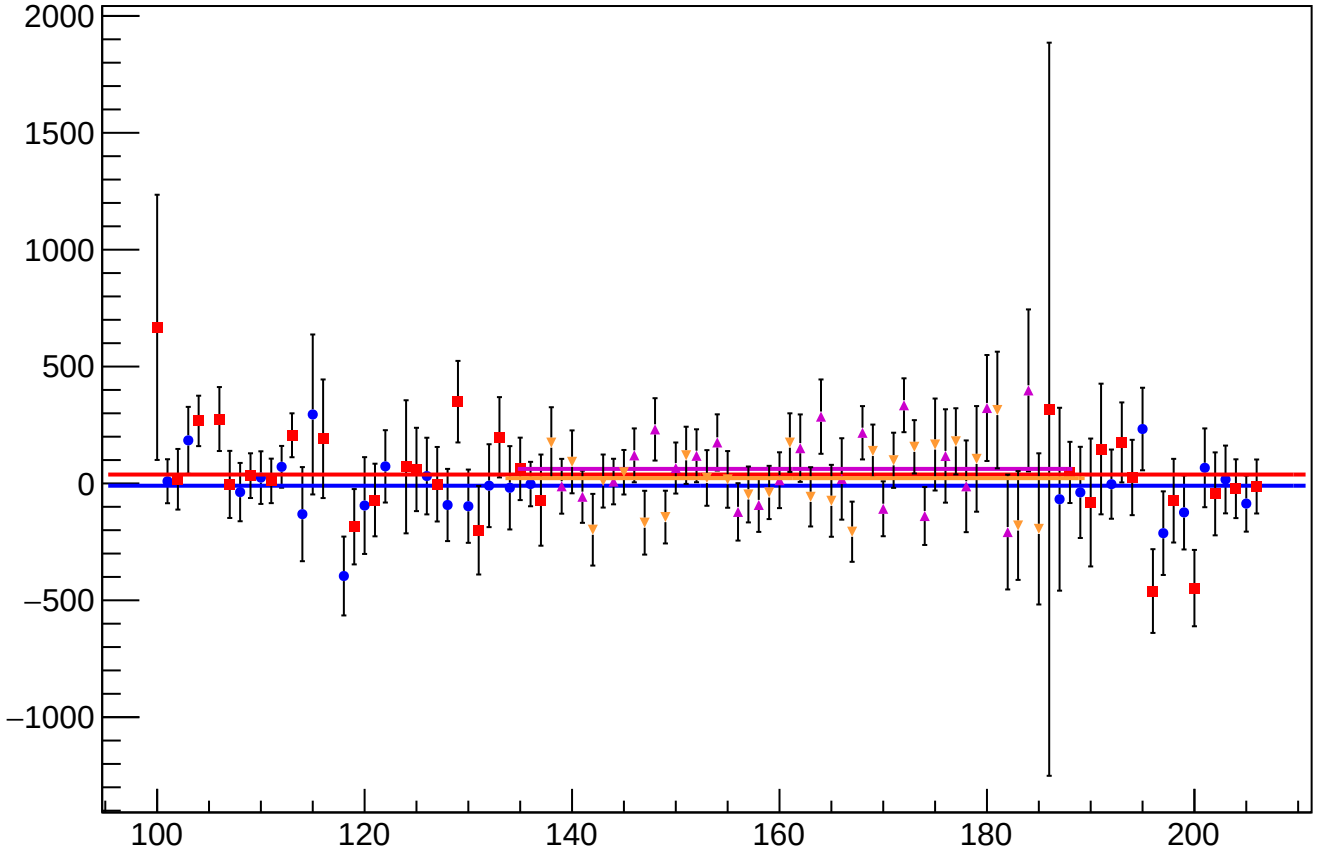
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 768.768+/-0.111 χ^2/NDF: 12454490.2/55

In: 714.042+/-0.093 χ^2/NDF:6004355.5/47

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 710.360+/-0.064 χ^2/NDF: 14185543.3/10



Right In: -9.787+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 38.029+/-27.052 χ^2/NDF: 39.7/30

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

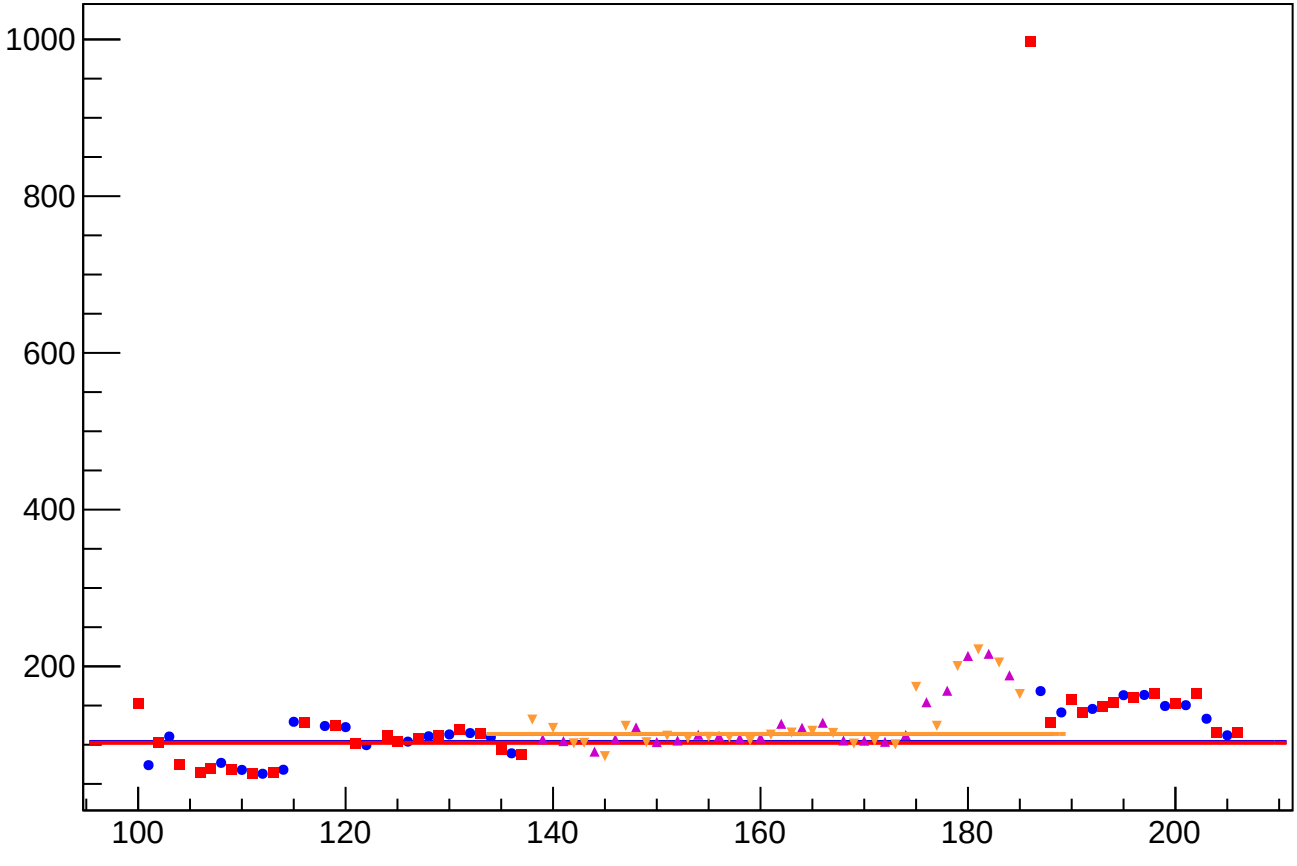
Right: 15.760+/-19.773 χ^2/NDF: 55.9/55

In: 28.279+/-19.884 χ^2/NDF:45.3/47

Out: 30.168+/-18.982 χ^2/NDF:61.4/55

All: 29.267+/-13.730 χ^2/NDF: 106.8/103

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 103.521+/-0.020 χ^2/NDF: 2257738.3/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585785.6/30

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

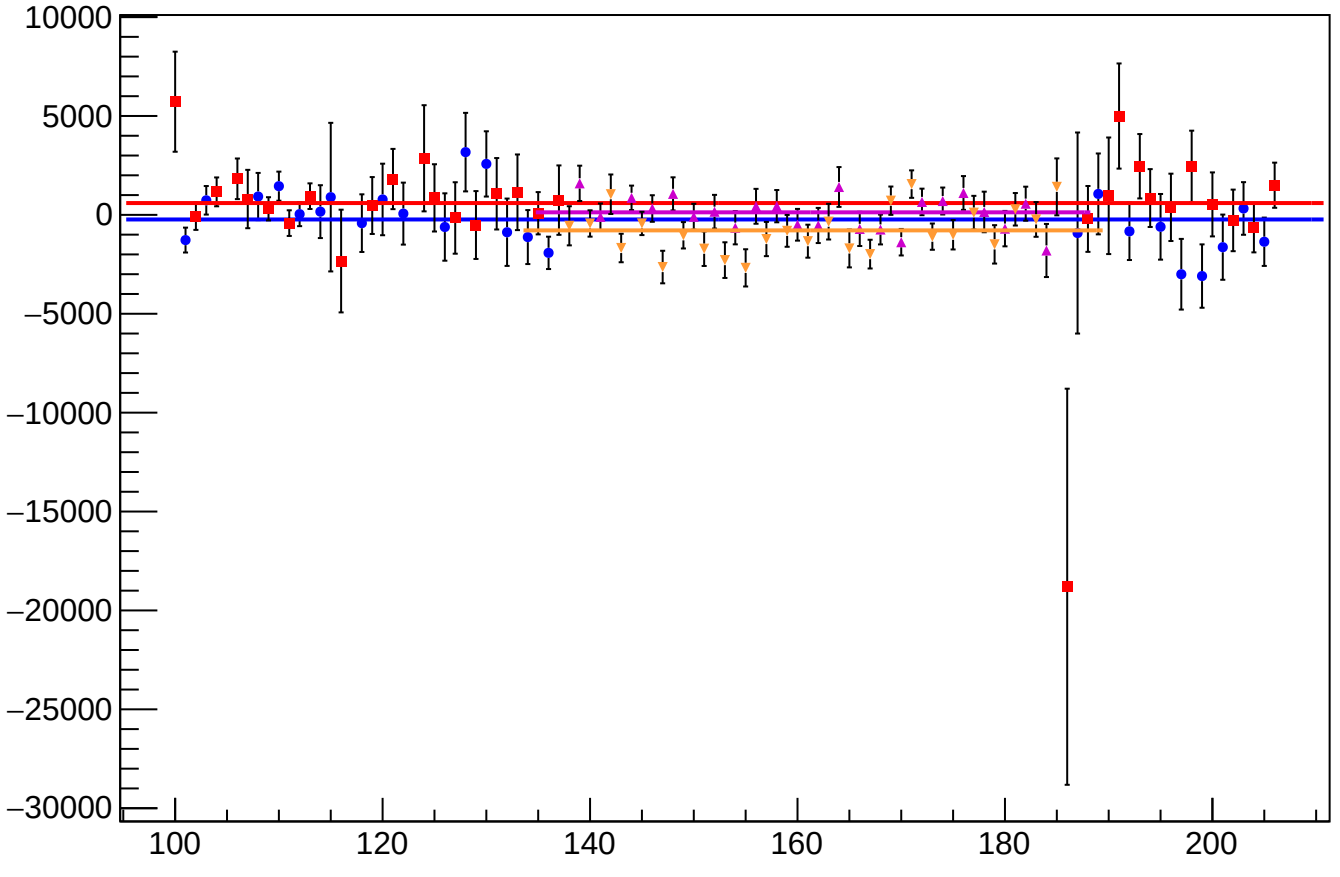
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 102.923+/-0.014 χ^2/NDF: 5845115.6/55

In: 108.894+/-0.014 χ^2/NDF:3703771.6/47

Out: 108.171+/-0.013 χ^2/NDF:5344840.1/55

All: 108.515+/-0.010 χ^2/NDF: 9049993.5/103



Right In: -232.704+/-233.874 χ^2/NDF: 30.2/24

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.304+/-215.611 χ^2/NDF: 24.8/30

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

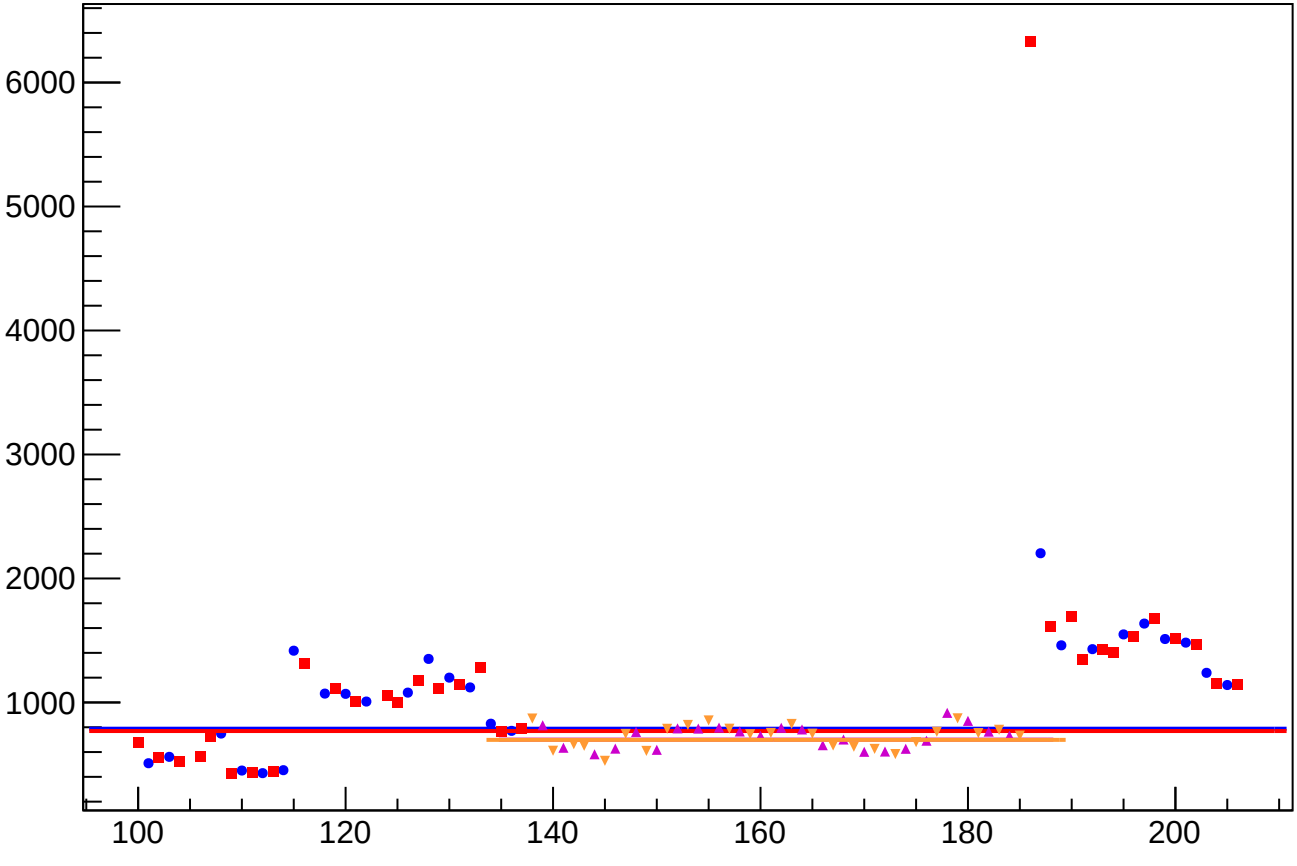
Right: 215.967+/-158.524 χ^2/NDF: 61.7/55

In: 7.984+/-134.963 χ^2/NDF:54.5/47

Out: -291.751+/-128.736 χ^2/NDF:96.6/55

All: -148.957+/-93.154 χ^2/NDF: 153.7/103

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 788.269+/-0.165 χ^2/NDF: 5266678.0/24

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 769.517+/-0.152 χ^2/NDF: 7202662.5/30

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

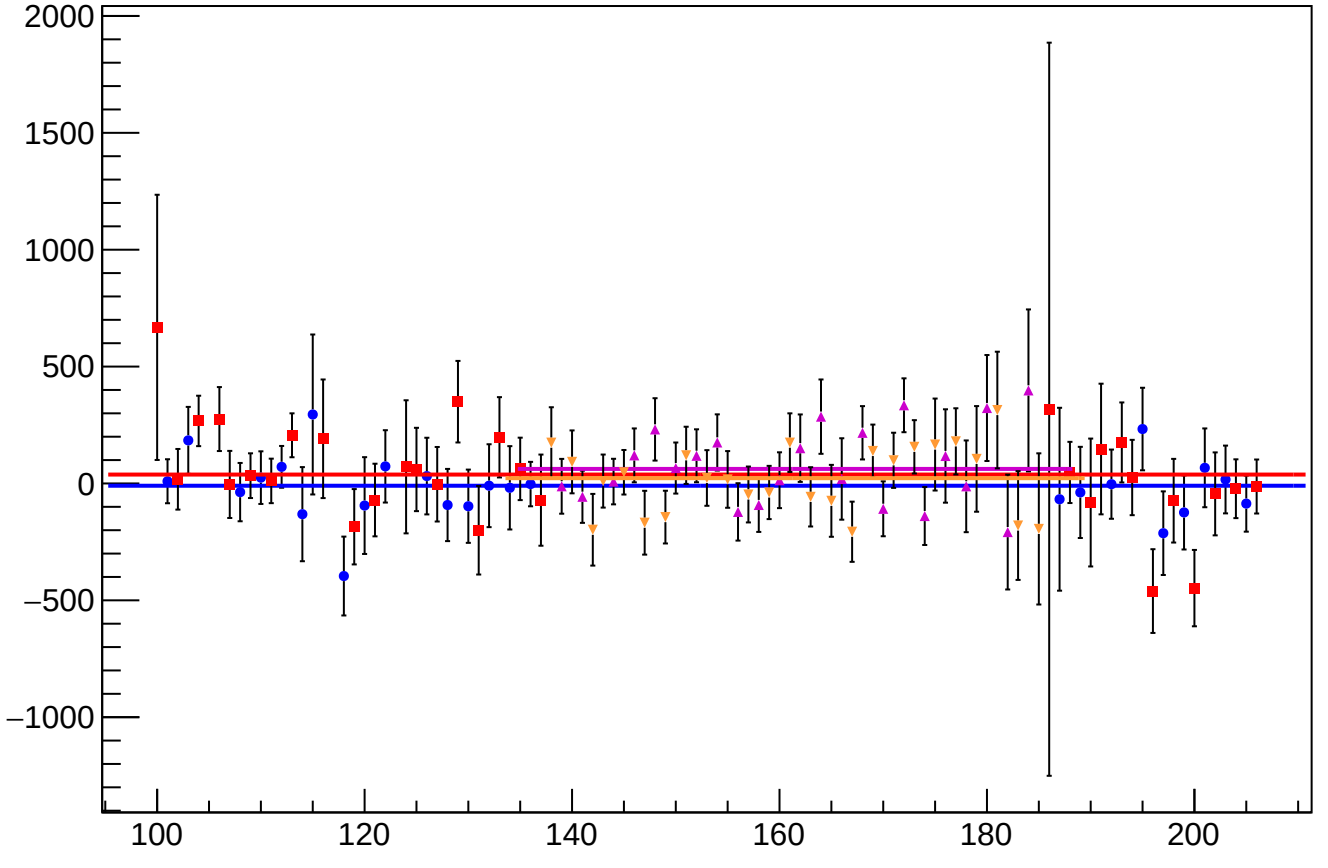
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 778.133+/-0.112 χ^2/NDF: 12476290.7/55

In: 729.448+/-0.095 χ^2/NDF:6040676.5/47

Out: 723.648+/-0.091 χ^2/NDF:8058010.8/55

All: 726.411+/-0.066 χ^2/NDF: 14100620.9/10



Right In: -9.786+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 38.029+/-27.052 χ^2/NDF: 39.7/30

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

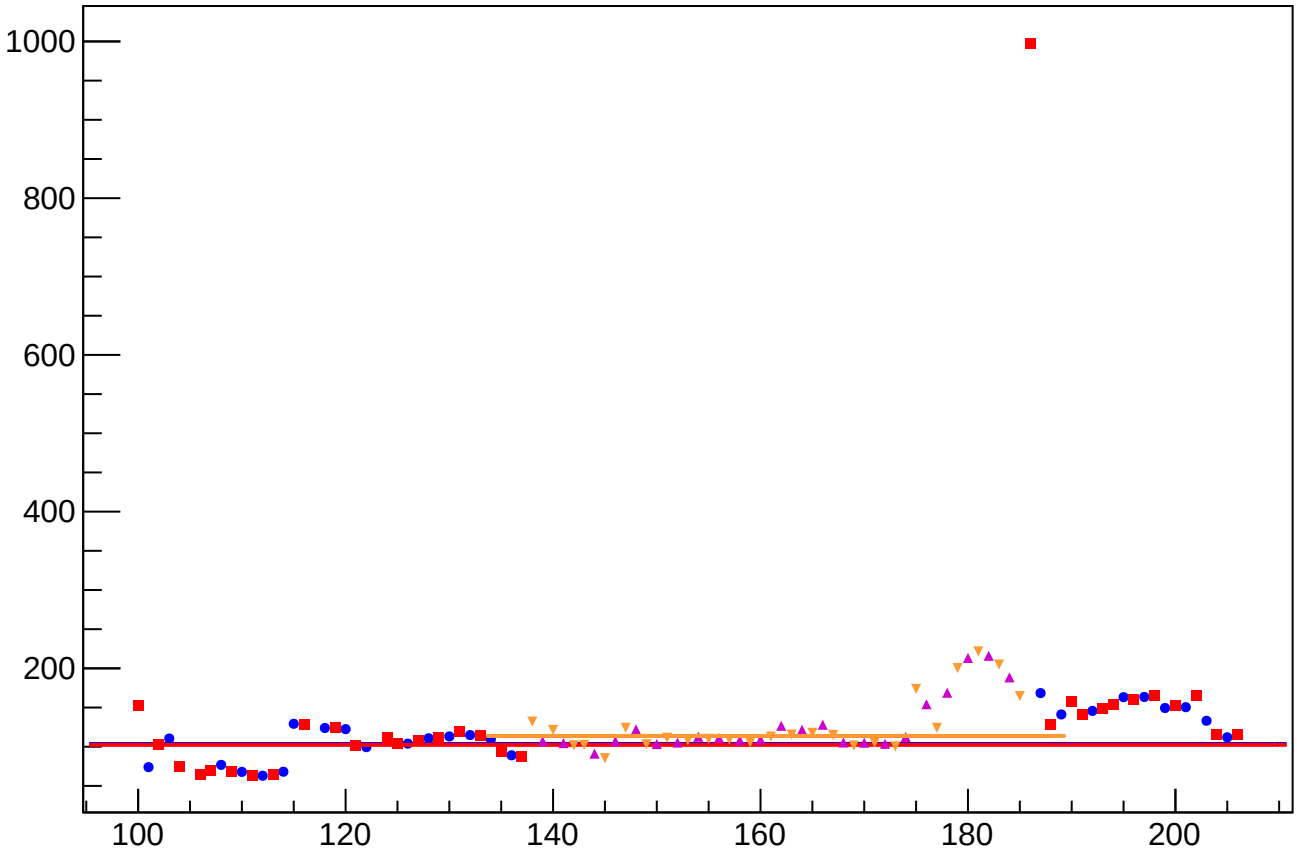
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 15.760+/-19.773 χ^2/NDF: 55.9/55

In: 28.279+/-19.884 χ^2/NDF:45.3/47

Out: 30.169+/-18.982 χ^2/NDF:61.4/55

All: 29.268+/-13.730 χ^2/NDF: 106.8/103



Right In: 103.521+/-0.020 χ^2/NDF: 2257725.0/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585790.0/30

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

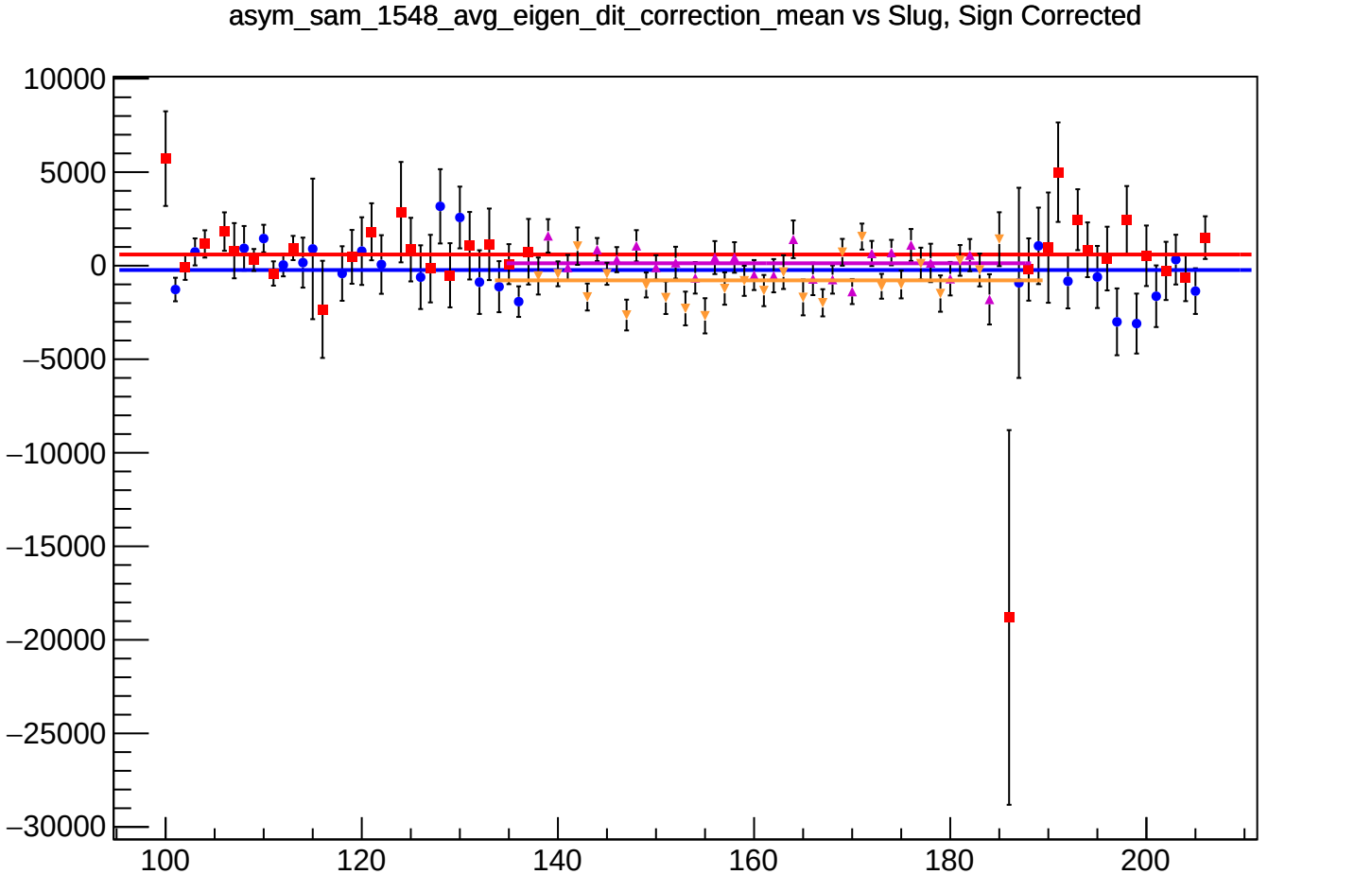
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 102.923+/-0.014 χ^2/NDF: 5845106.5/55

In: 108.894+/-0.014 χ^2/NDF:3703742.9/47

Out: 108.171+/-0.013 χ^2/NDF:5344840.2/55

All: 108.515+/-0.010 χ^2/NDF: 9049965.0/103



Right In: -232.704+/-233.873 χ^2/NDF: 30.2/24

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.304+/-215.611 χ^2/NDF: 24.8/30

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

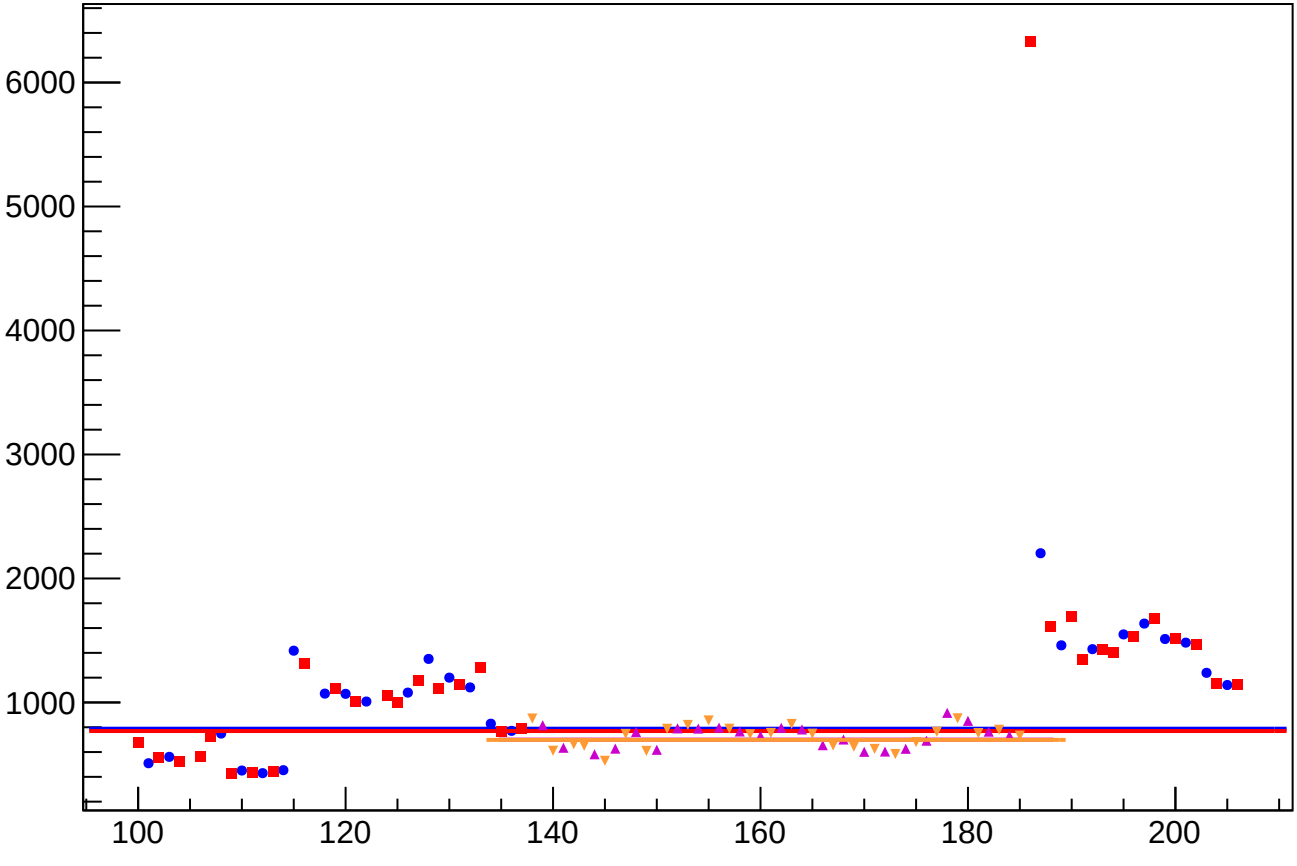
Right: 215.967+/-158.524 χ^2/NDF: 61.7/55

In: 7.983+/-134.962 χ^2/NDF:54.5/47

Out: -291.750+/-128.736 χ^2/NDF:96.6/55

All: -148.957+/-93.154 χ^2/NDF: 153.7/103

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 788.268+/-0.165 χ^2/NDF: 5266677.6/24

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 769.516+/-0.152 χ^2/NDF: 7202658.3/30

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

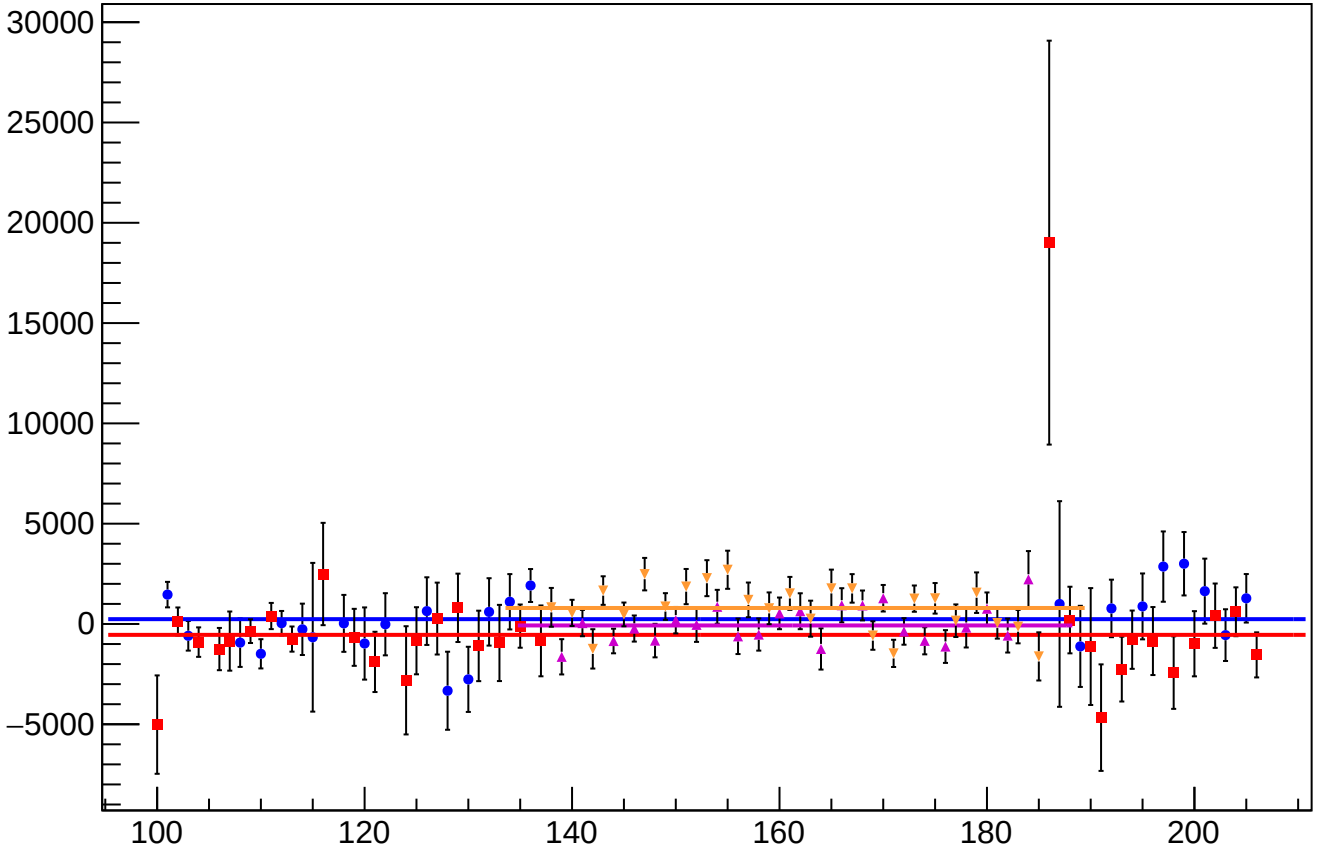
Right: 778.132+/-0.112 χ^2/NDF: 12476286.0/55

In: 729.447+/-0.095 χ^2/NDF:6040670.5/47

Out: 723.648+/-0.091 χ^2/NDF:8058004.9/55

All: 726.410+/-0.066 χ^2/NDF: 14100609.1/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 239.932+/-233.458 χ^2/NDF: 31.7/24

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -542.843+/-215.277 χ^2/NDF: 22.2/30

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

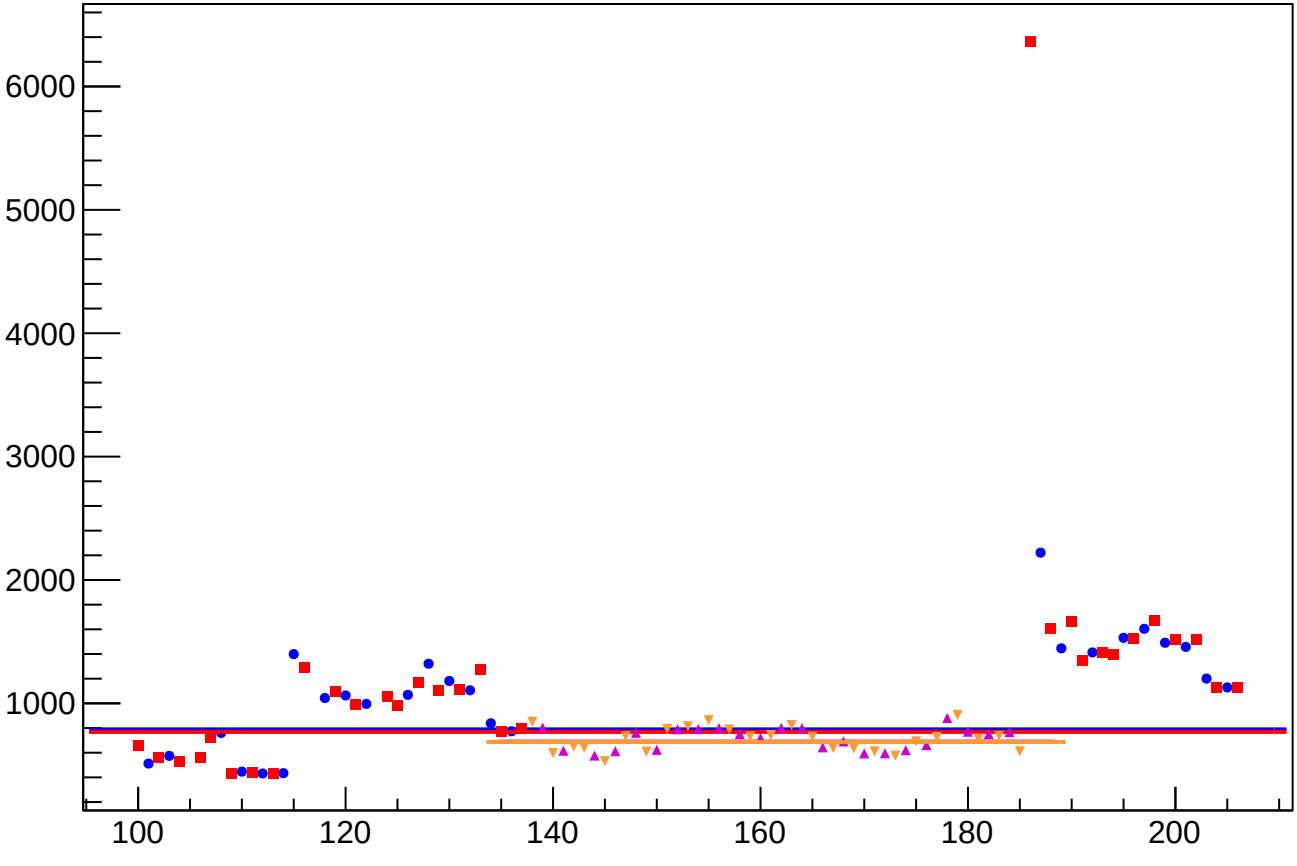
Right: -183.120+/-158.261 χ^2/NDF: 60.0/55

In: 29.116+/-133.581 χ^2/NDF:57.8/47

Out: 327.329+/-127.449 χ^2/NDF:93.7/55

All: 185.224+/-92.212 χ^2/NDF: 154.1/103

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 789.102+/-0.165 χ^2/NDF: 5109810.1/24

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 768.436+/-0.152 χ^2/NDF: 7151011.6/30

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

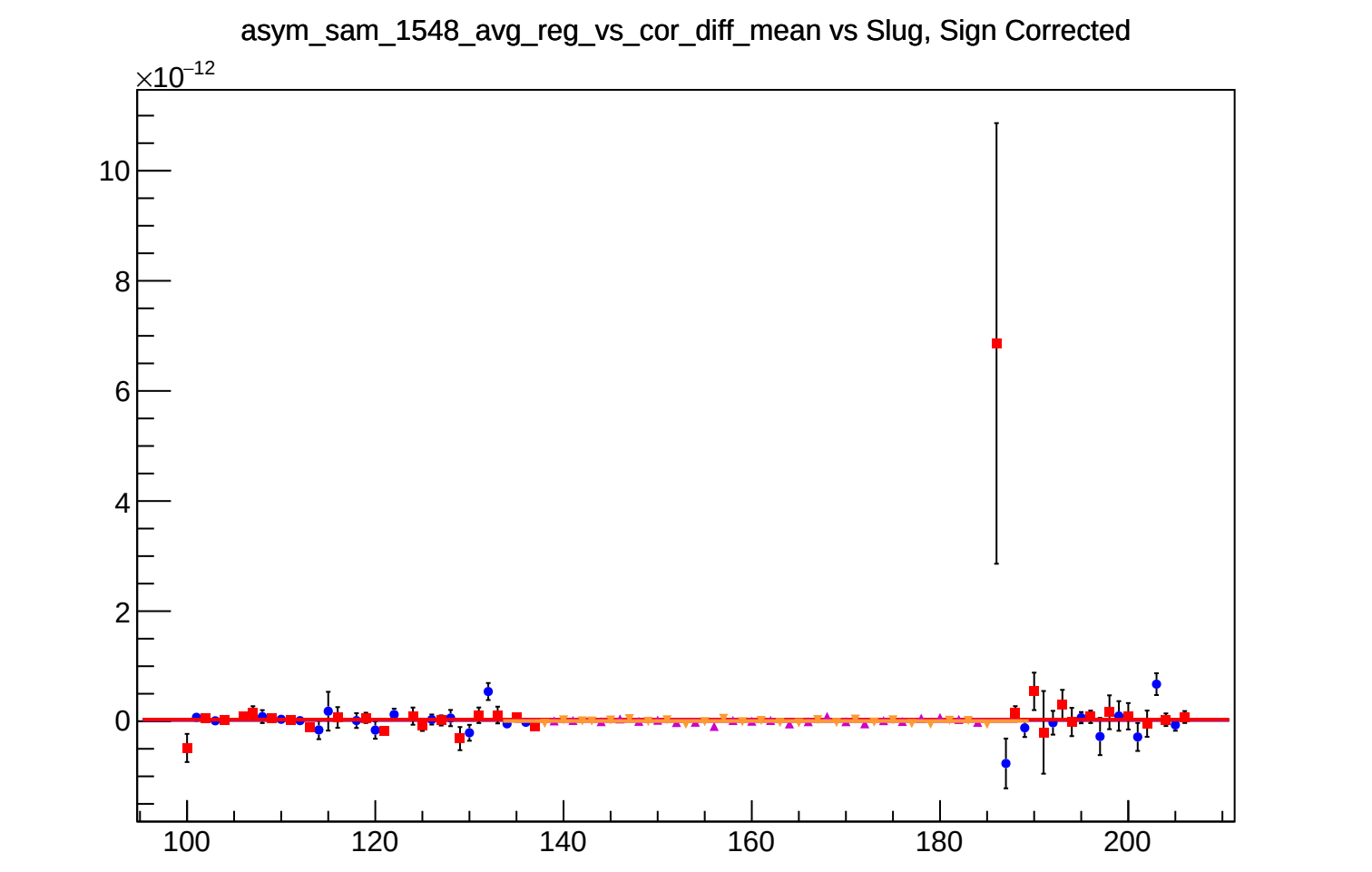
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 777.933+/-0.112 χ^2/NDF: 12269291.8/55

In: 722.444+/-0.094 χ^2/NDF:5919317.5/47

Out: 715.701+/-0.090 χ^2/NDF:8063787.1/55

All: 718.914+/-0.065 χ^2/NDF: 13985772.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/30

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

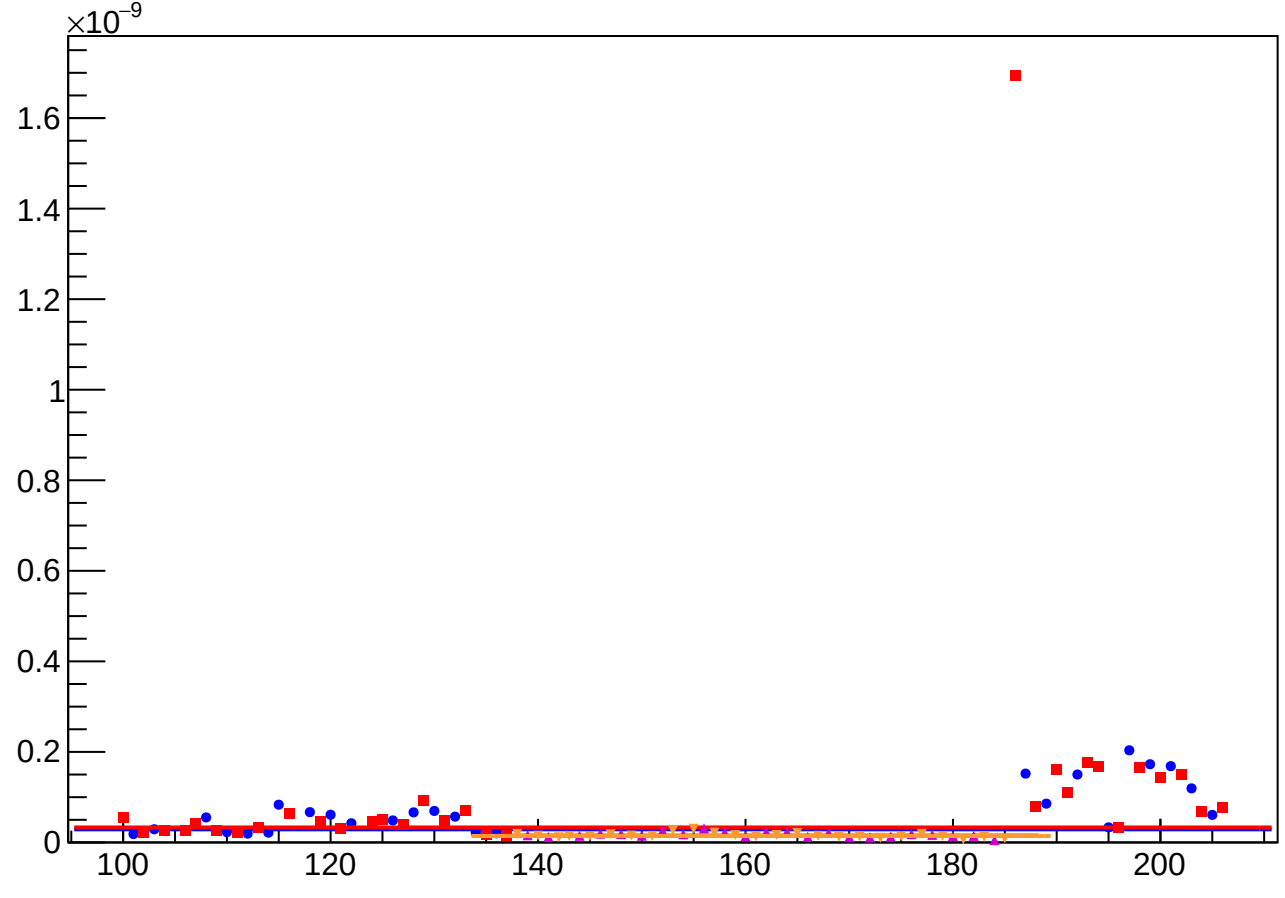
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 75.9/55

In: 0.000+/-0.000 χ^2/NDF:69.1/47

Out: 0.000+/-0.000 χ^2/NDF:58.5/55

All: 0.000+/-0.000 χ^2/NDF: 127.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 4758133.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5088135.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

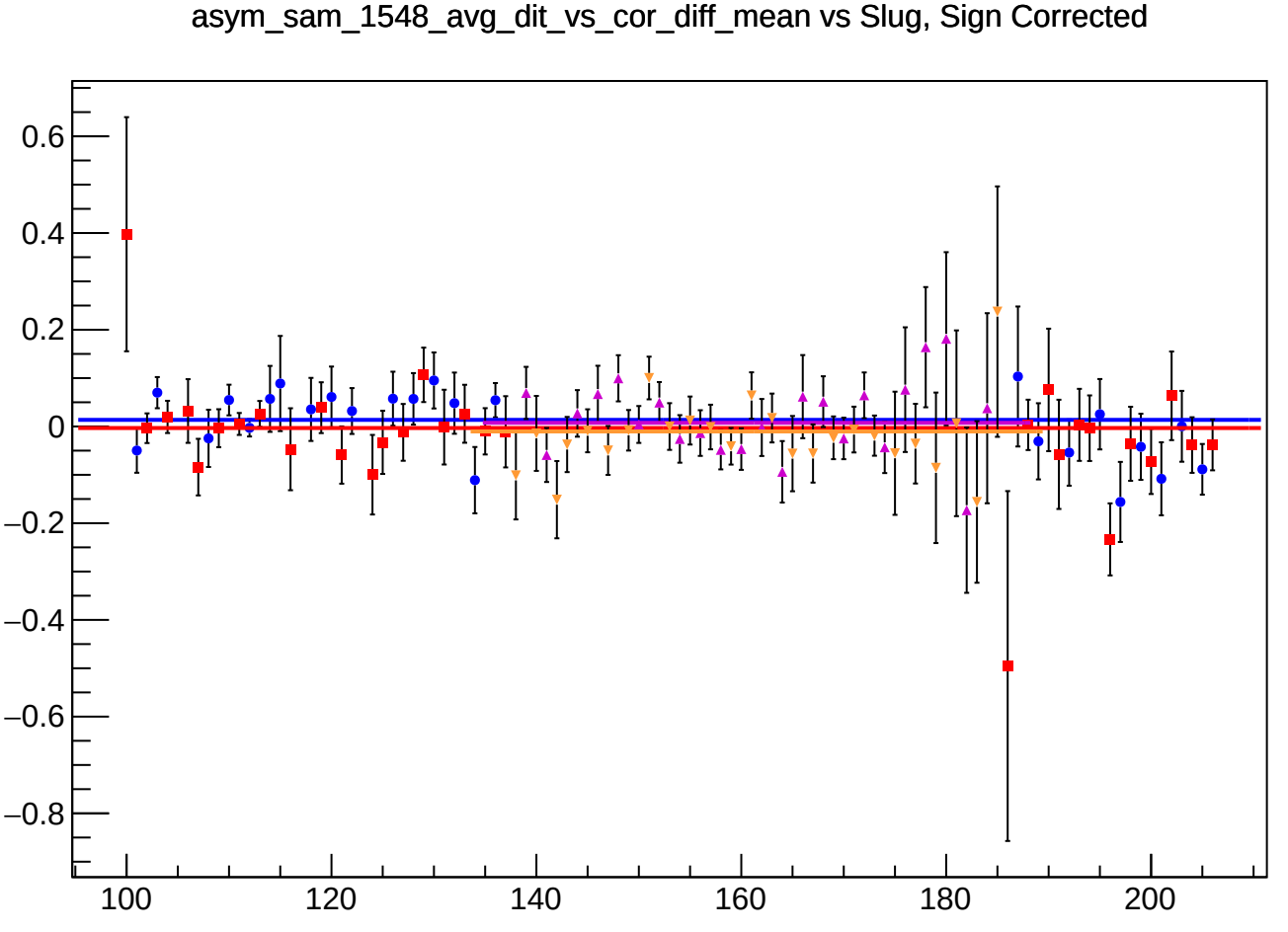
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9918747.8/55

In: 0.000+/-0.000 χ^2/NDF:7385208.7/47

Out: 0.000+/-0.000 χ^2/NDF:8675913.9/55

All: 0.000+/-0.000 χ^2/NDF: 16079577.3/103



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

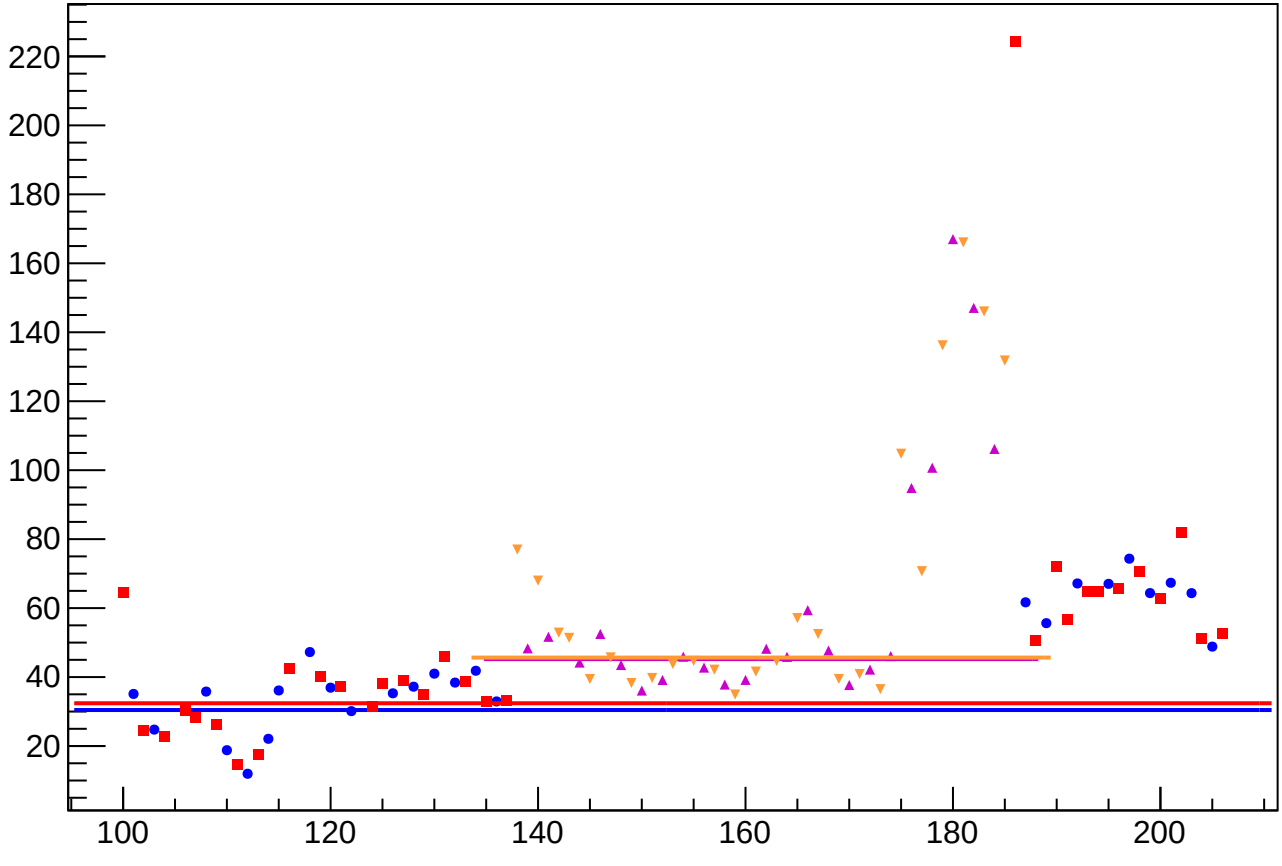
Right: 0.005+/-0.007 χ^2/NDF: 61.4/55

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.3/103

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

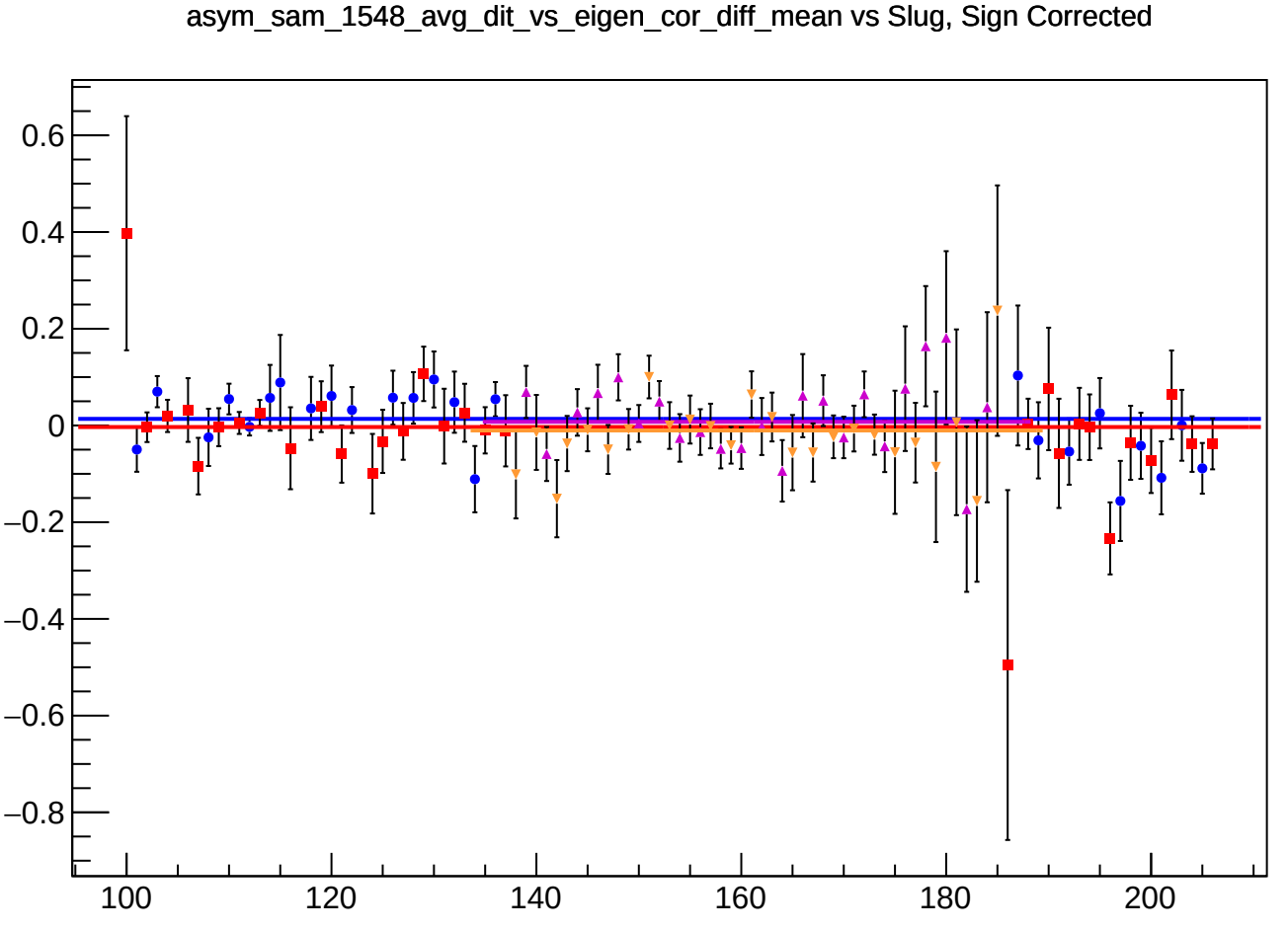
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 31.452+/-0.005 χ^2/NDF: 13345476.1/55

In: 36.508+/-0.005 χ^2/NDF:11459583.2/47

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.146+/-0.004 χ^2/NDF: 23958004.3/103



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

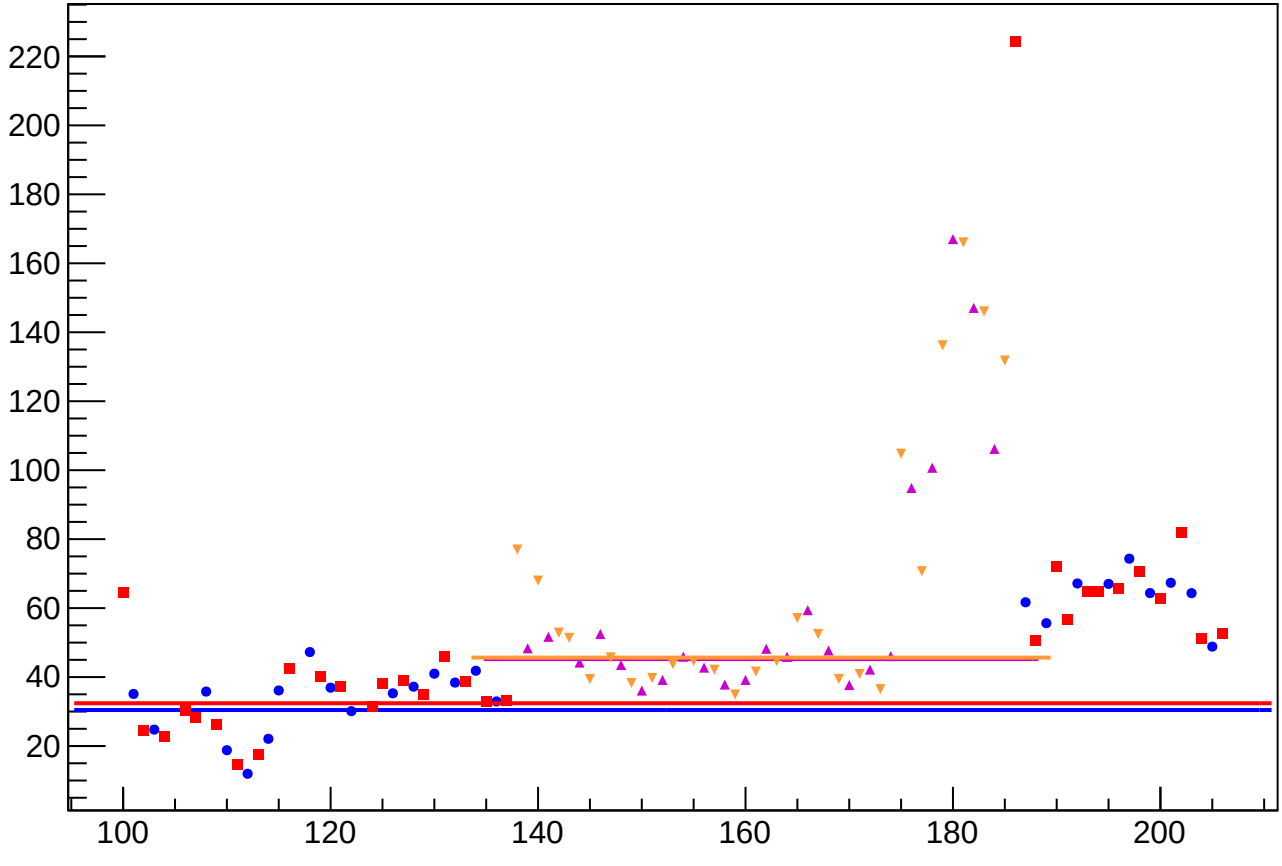
Right: 0.005+/-0.007 χ^2/NDF: 61.4/55

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.3/103

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

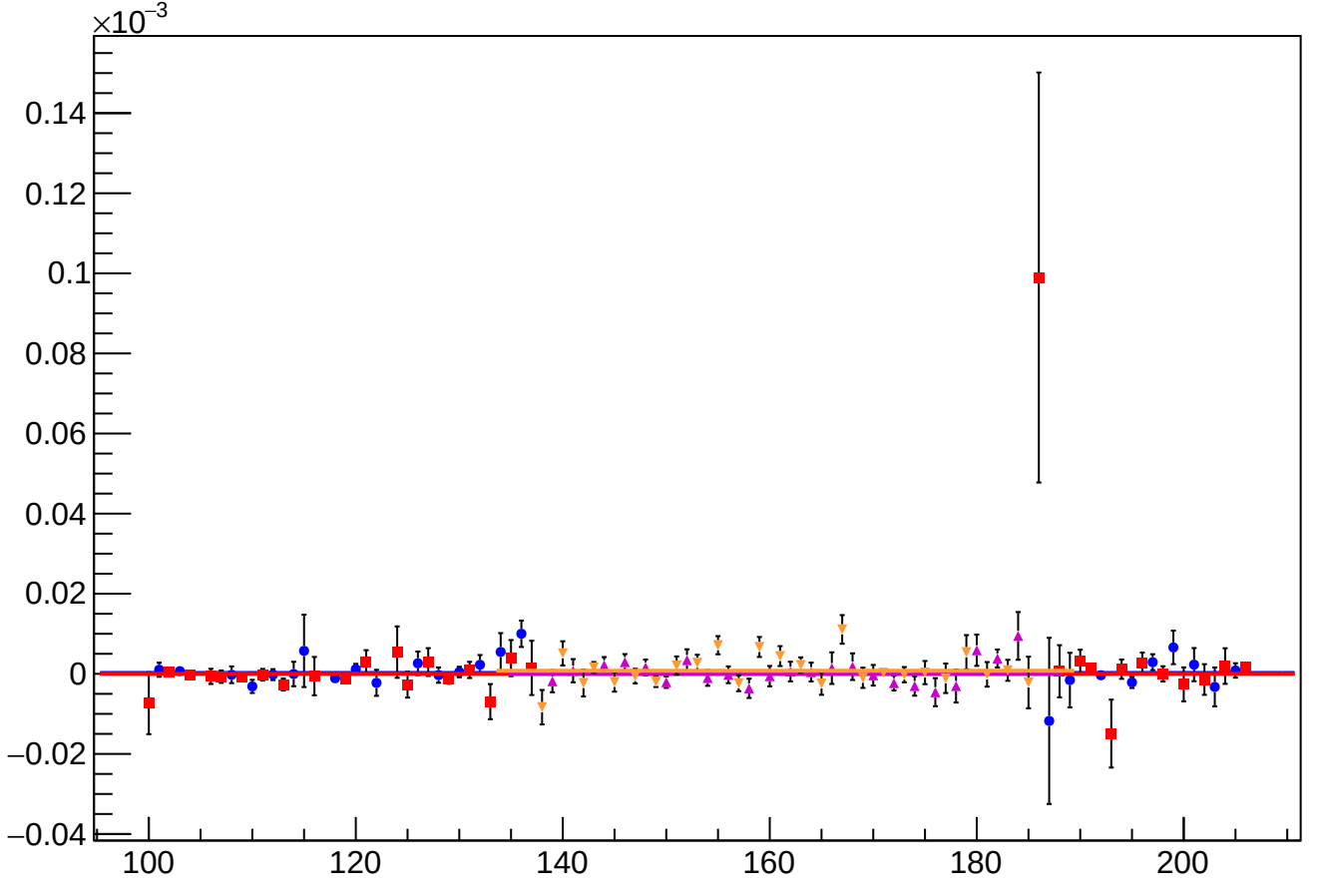
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 31.452+/-0.005 χ^2/NDF: 13345476.1/55

In: 36.508+/-0.005 χ^2/NDF:11459583.2/47

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.146+/-0.004 χ^2/NDF: 23958004.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/30

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

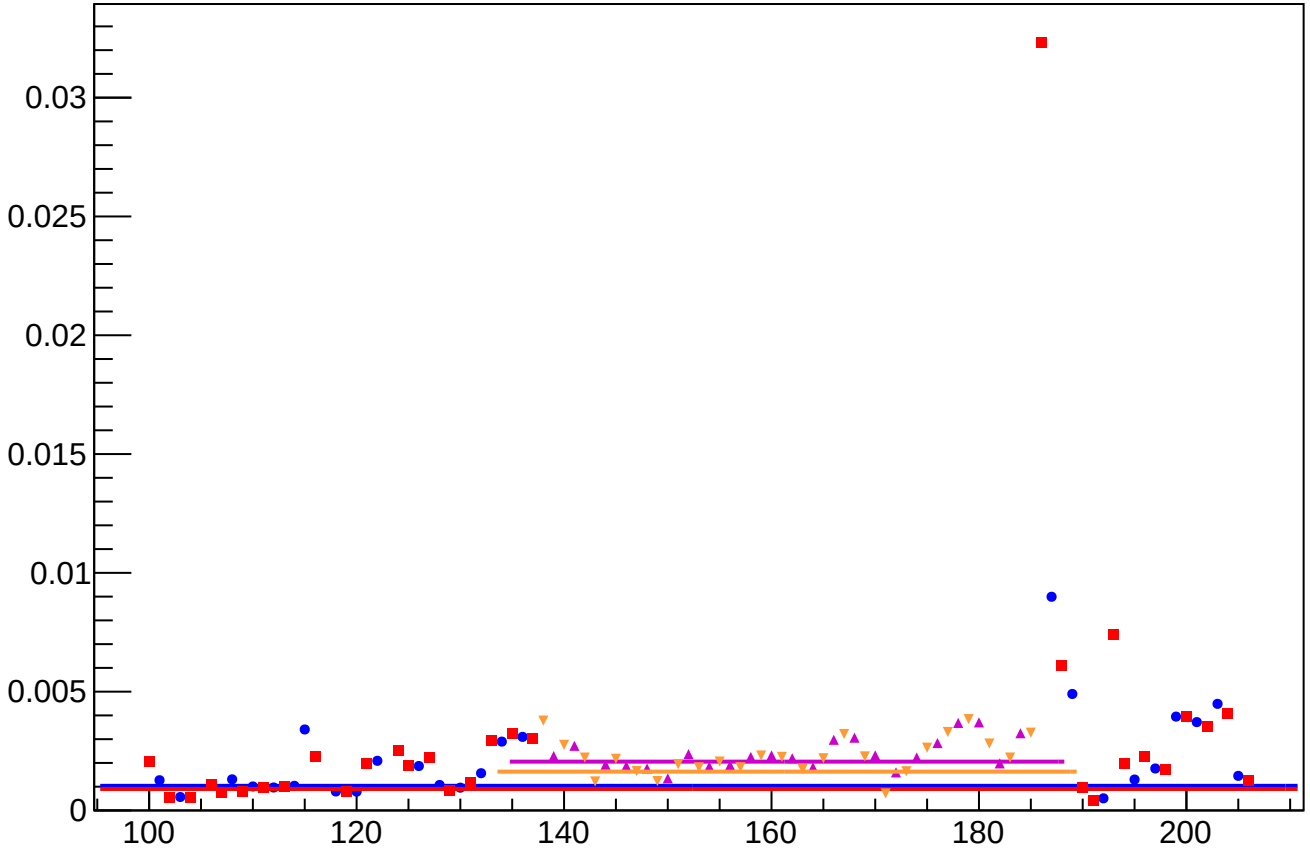
Right: 0.000+/-0.000 χ^2/NDF: 57.1/55

In: 0.000+/-0.000 χ^2/NDF:52.4/47

Out: 0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 129.9/103

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7436510.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11899050.1/30

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

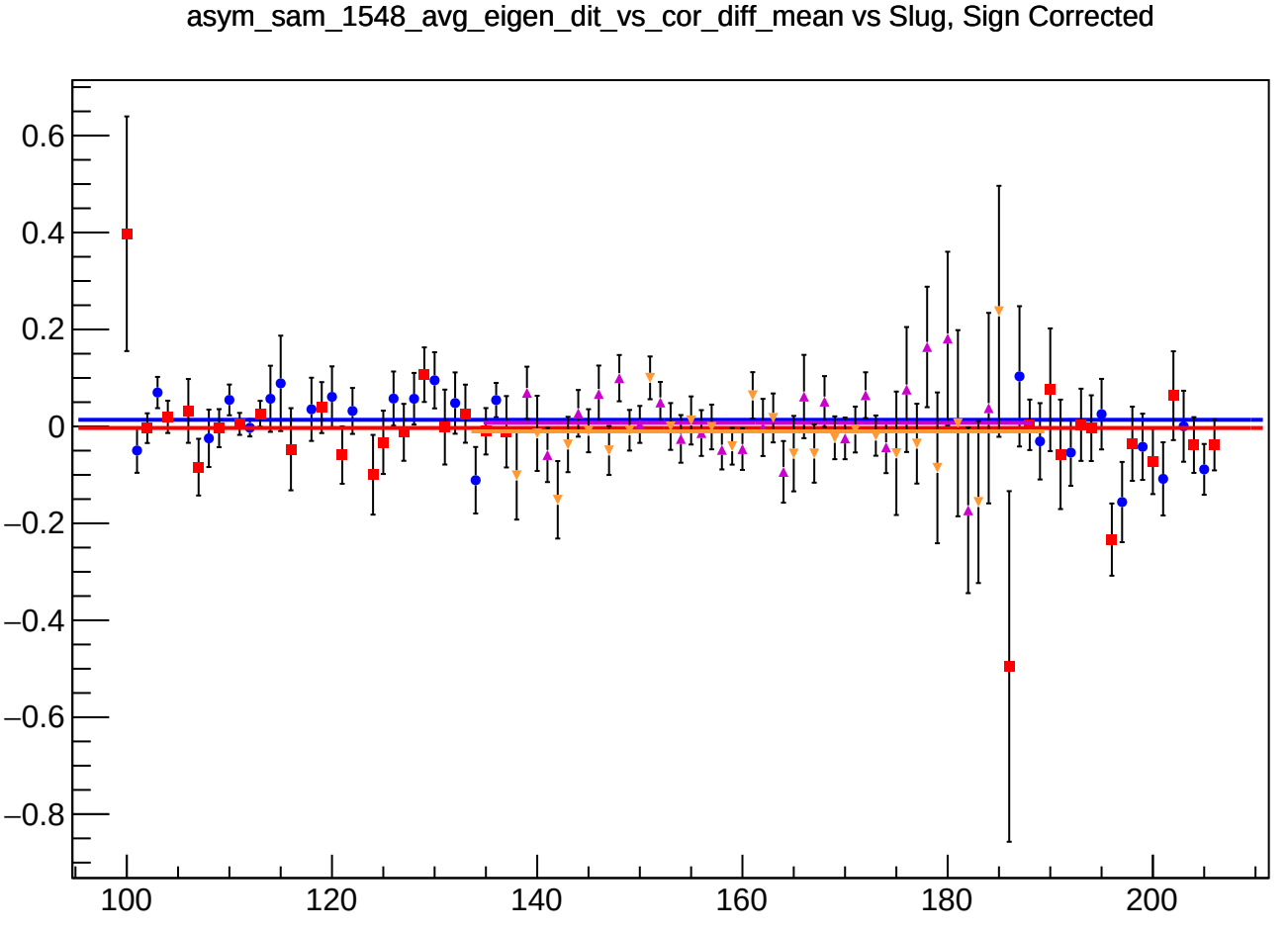
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19503555.8/55

In: 0.001+/-0.000 χ^2/NDF:15111249.6/47

Out: 0.001+/-0.000 χ^2/NDF:22572940.9/55

All: 0.001+/-0.000 χ^2/NDF: 38371821.1/103



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

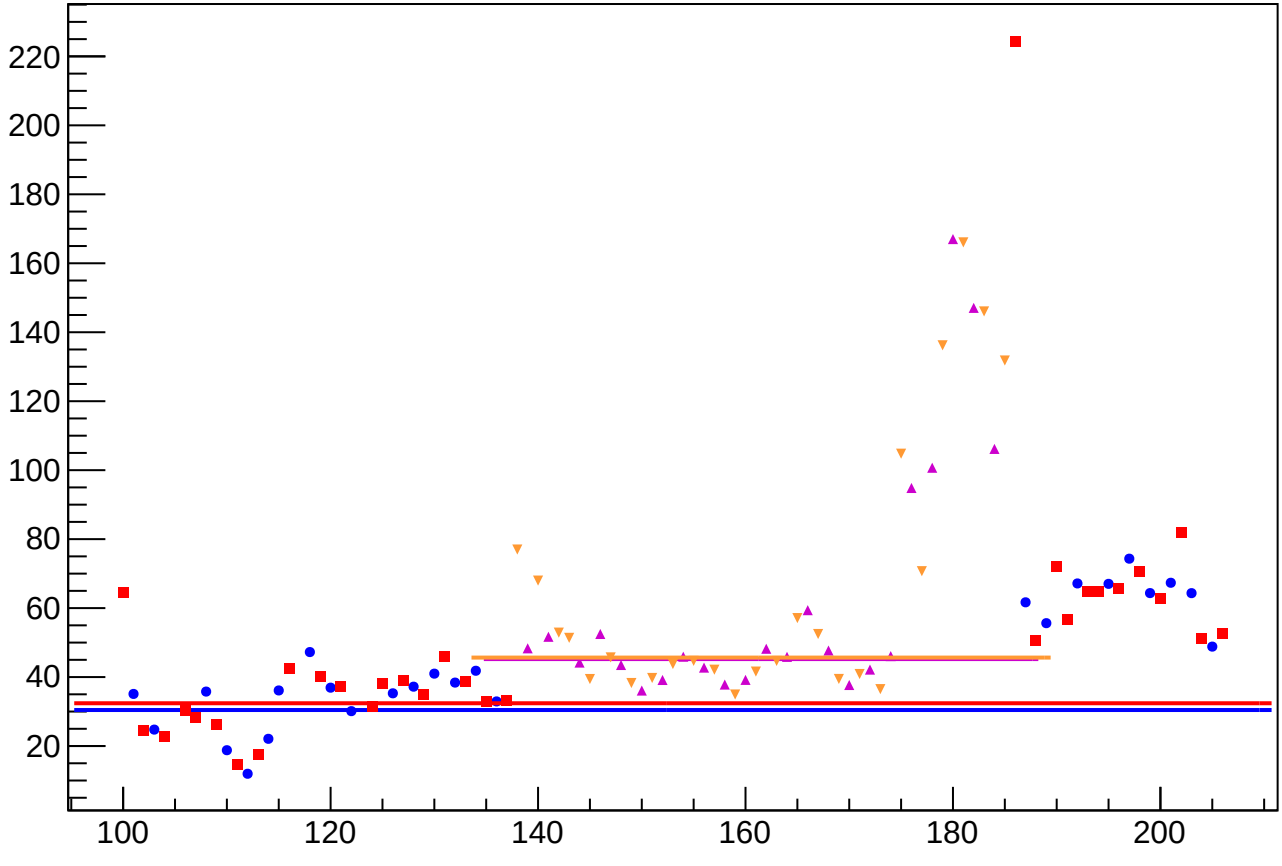
Right: 0.005+/-0.007 χ^2/NDF: 61.4/55

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.3/103

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

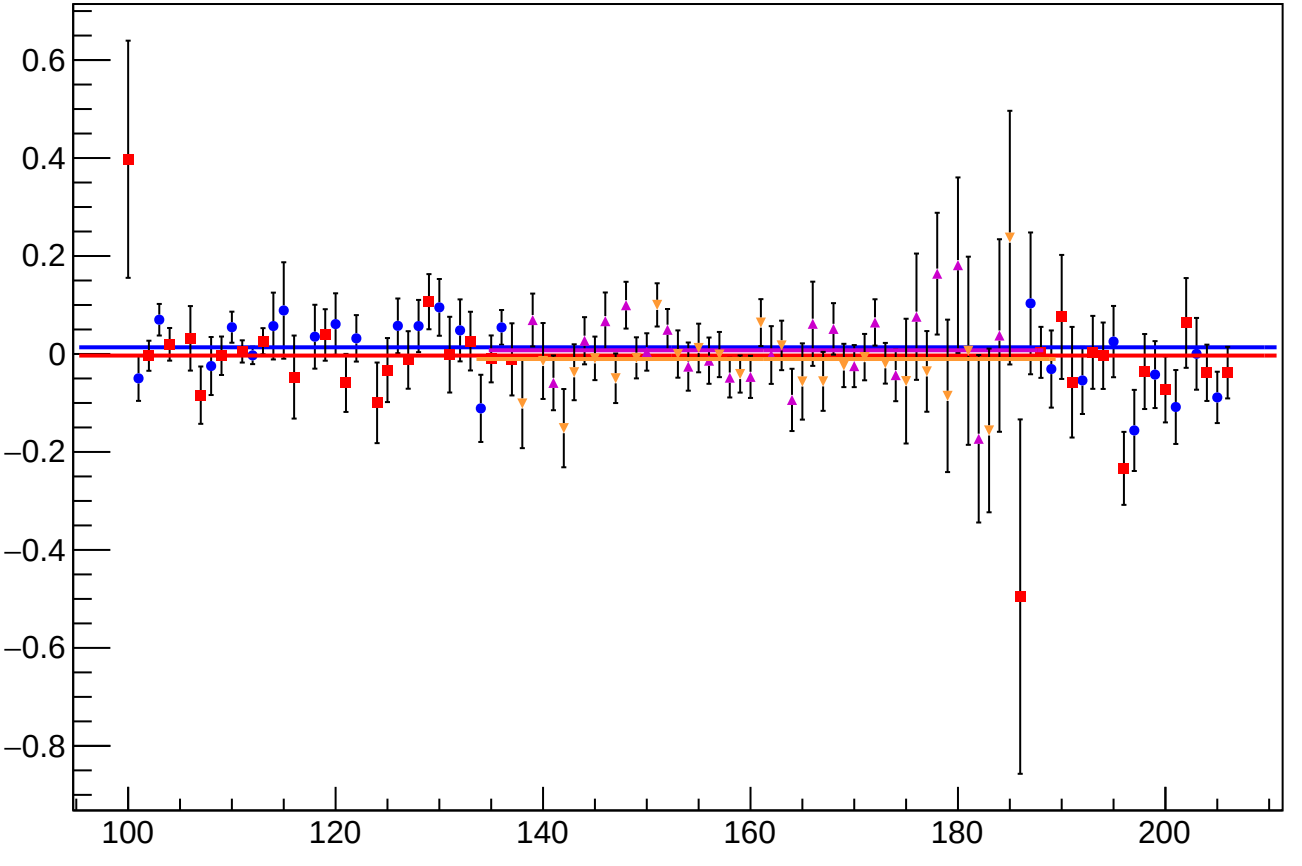
Right: 31.451+/-0.005 χ^2/NDF: 13345976.5/55

In: 36.508+/-0.005 χ^2/NDF:11460026.3/47

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.145+/-0.004 χ^2/NDF: 23958830.8/103

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

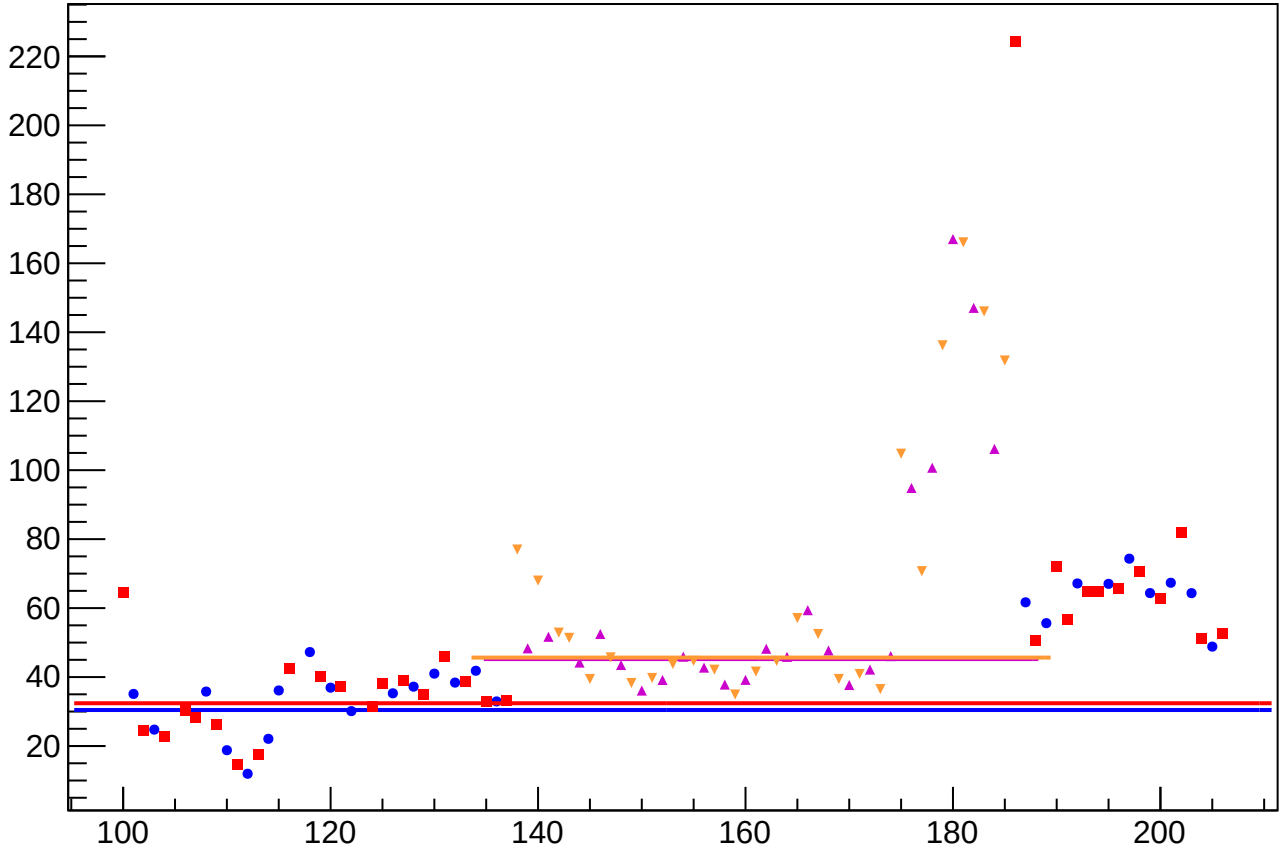
Right: 0.005+/-0.007 χ^2/NDF: 61.4/55

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.3/103

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

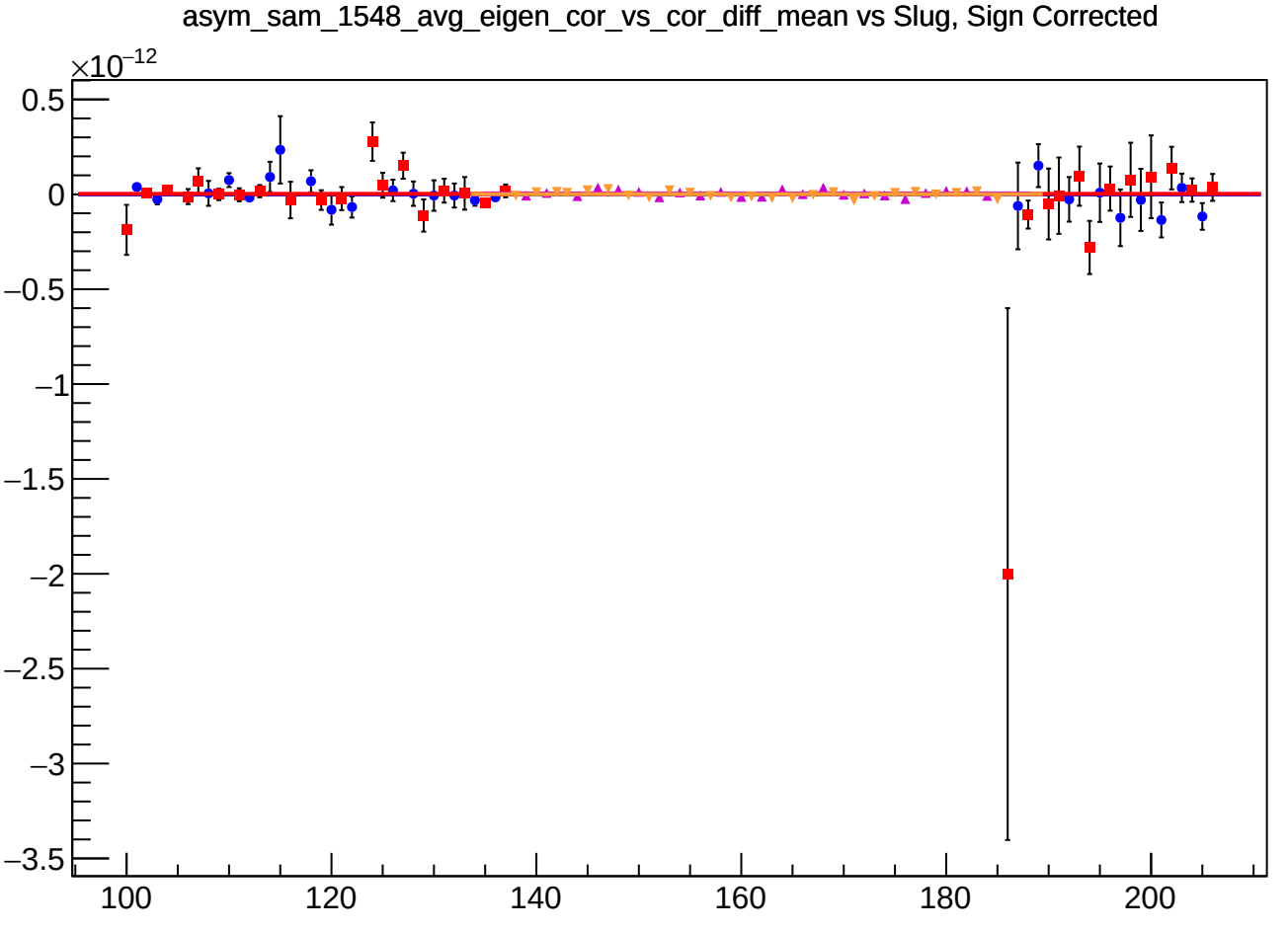
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 31.451+/-0.005 χ^2/NDF: 13345976.5/55

In: 36.508+/-0.005 χ^2/NDF:11460026.3/47

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.145+/-0.004 χ^2/NDF: 23958830.8/103



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/30

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

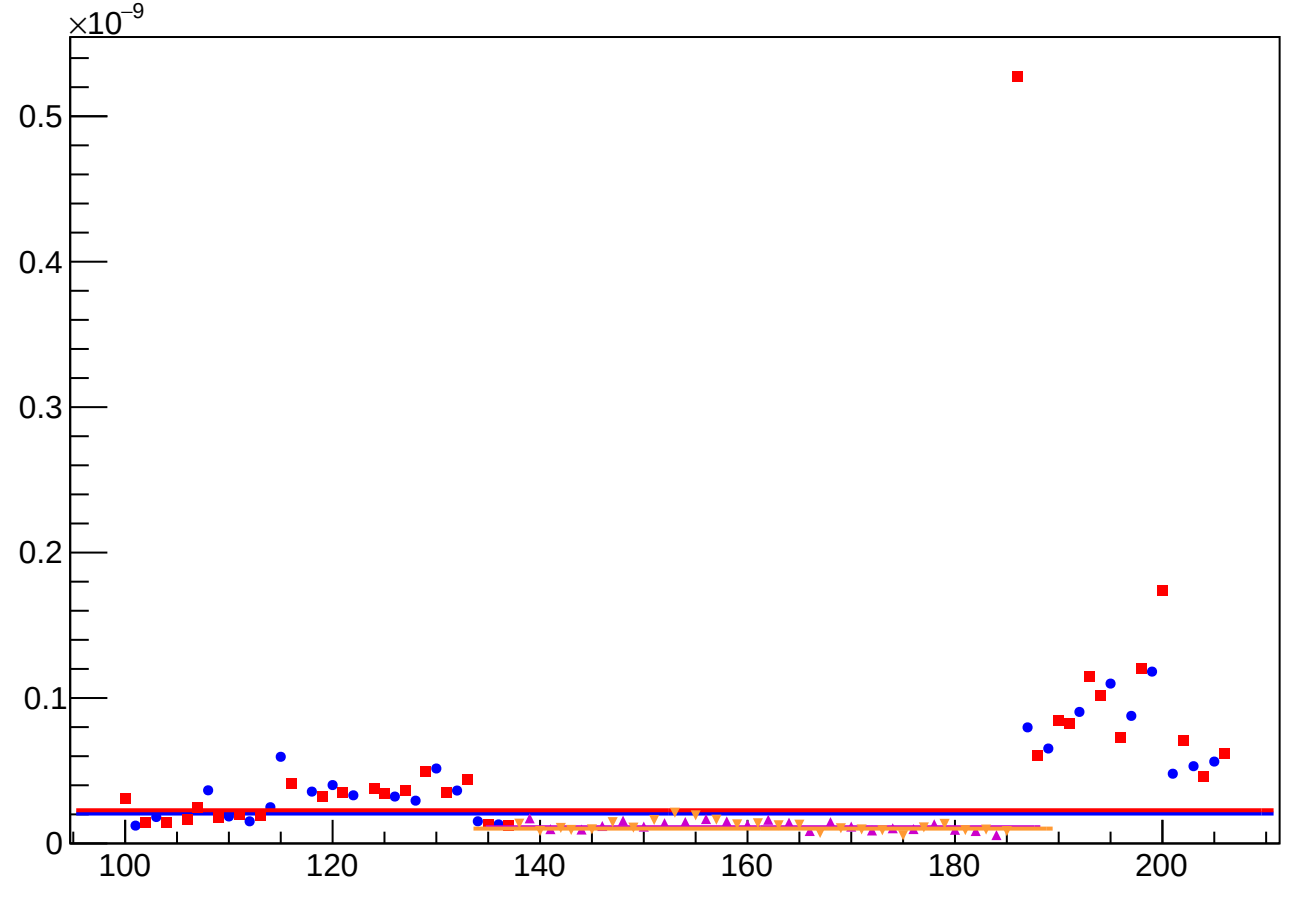
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 61.0/55

In: 0.000+/-0.000 χ^2/NDF:50.6/47

Out: 0.000+/-0.000 χ^2/NDF:59.8/55

All: 0.000+/-0.000 χ^2/NDF: 111.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 6088119.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7545203.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

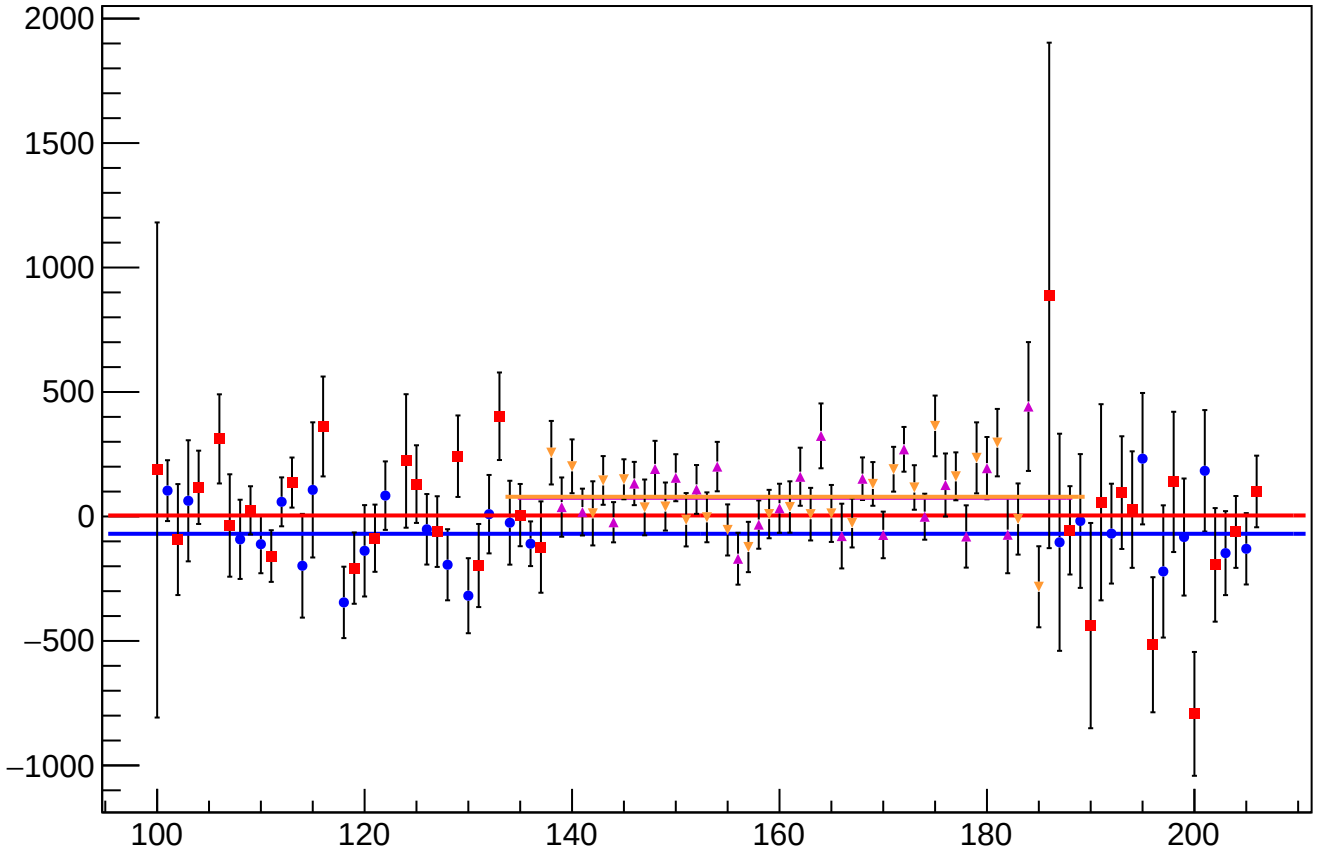
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13702707.9/55

In: 0.000+/-0.000 χ^2/NDF:9801400.4/47

Out: 0.000+/-0.000 χ^2/NDF:13525854.9/55

All: 0.000+/-0.000 χ^2/NDF: 23420684.3/103



Right In: -69.555+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 4.037+/-30.240 χ^2/NDF: 42.4/30

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

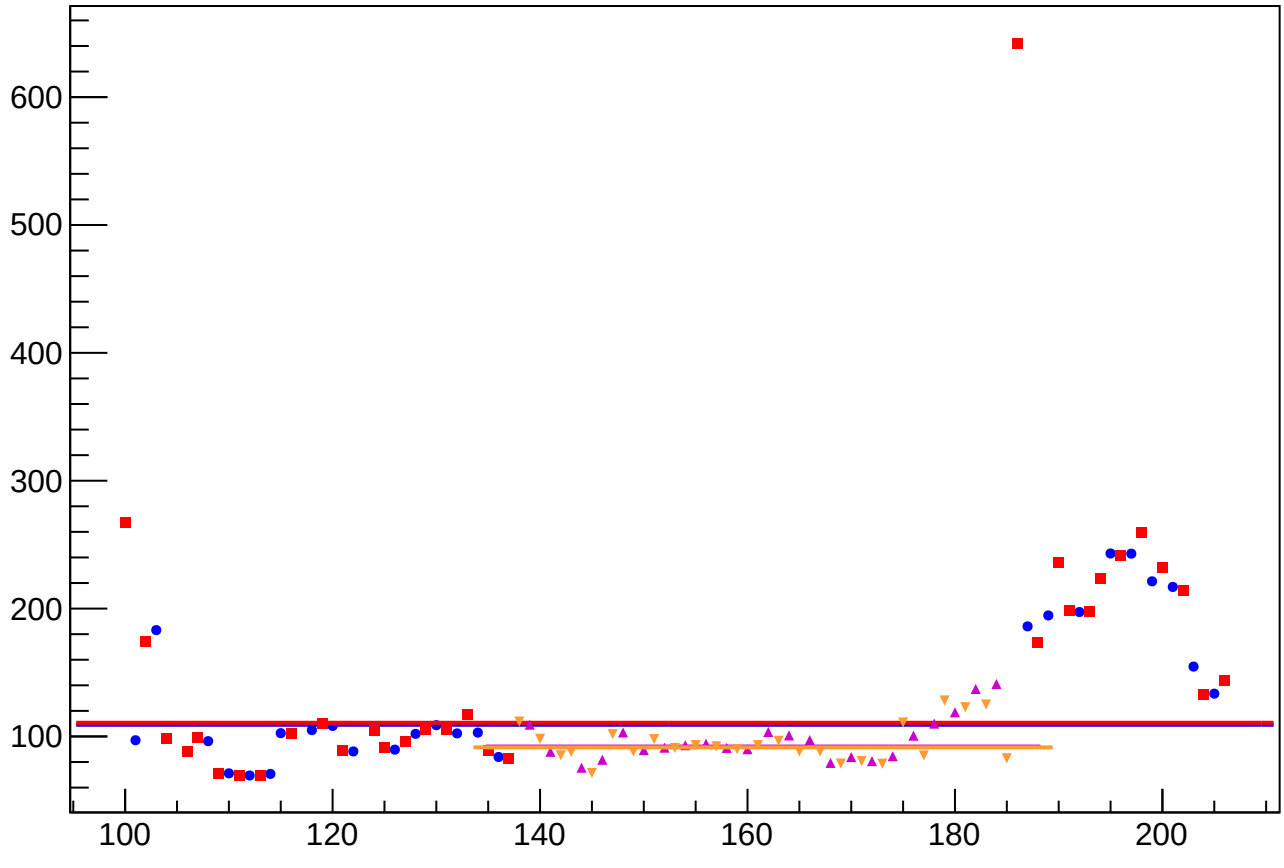
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -31.149+/-21.846 χ^2/NDF: 62.4/55

In: 28.299+/-17.964 χ^2/NDF:64.0/47

Out: 54.517+/-17.305 χ^2/NDF:78.5/55

All: 41.897+/-12.463 χ^2/NDF: 143.6/103



Right In: 109.152+/-0.022 χ^2/NDF: 3802038.5/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.707+/-0.021 χ^2/NDF: 5385418.1/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

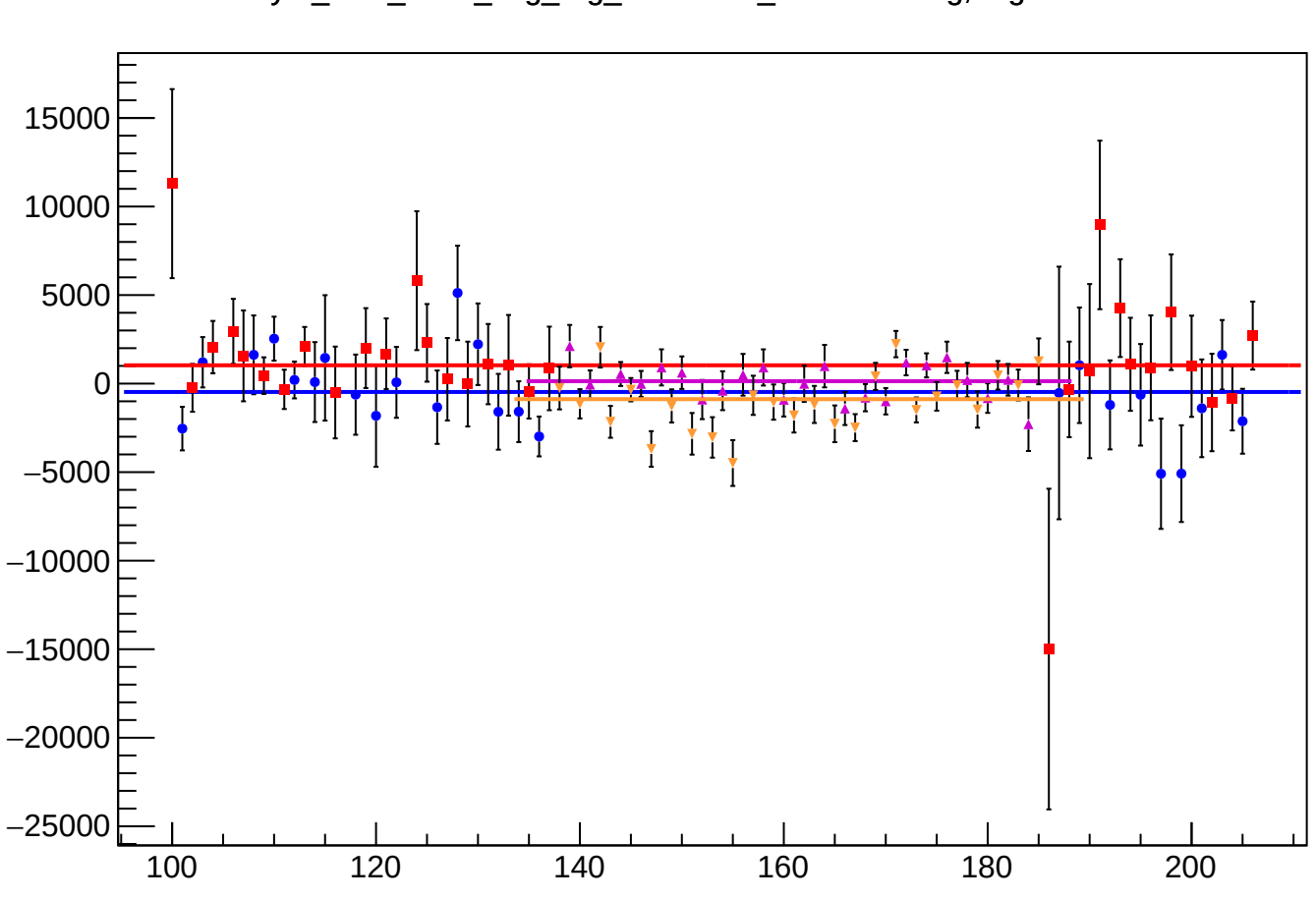
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 109.963+/-0.015 χ^2/NDF: 9189985.6/55

In: 97.613+/-0.013 χ^2/NDF:4895873.5/47

Out: 97.764+/-0.012 χ^2/NDF:6681404.9/55

All: 97.691+/-0.009 χ^2/NDF: 11577351.9/103



Right In: -472.641+/-377.979 χ^2/NDF: 31.1/24

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1033.975+/-358.697 χ^2/NDF: 23.4/30

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

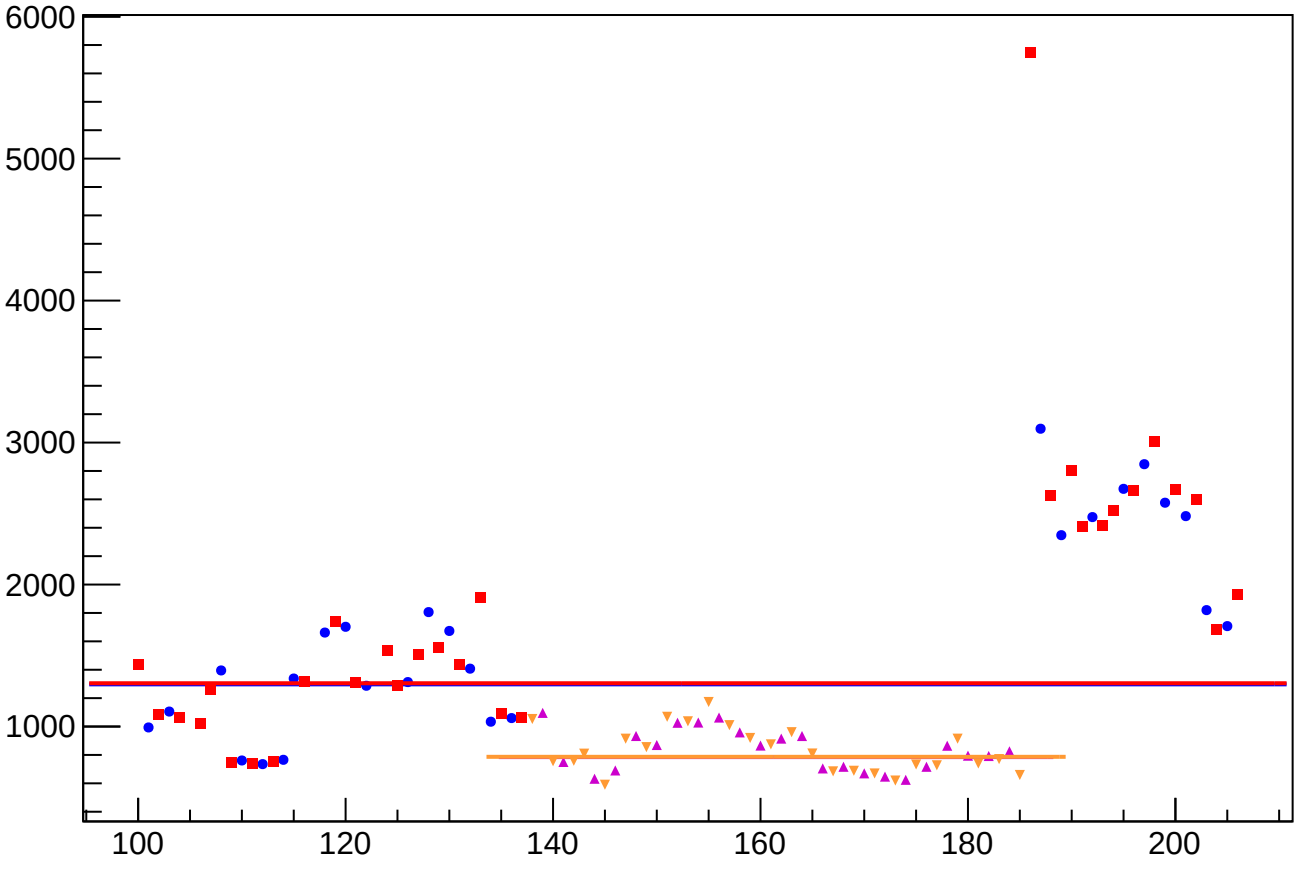
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 320.075+/-260.187 χ^2/NDF: 62.9/55

In: 18.952+/-167.302 χ^2/NDF:57.4/47

Out: -486.273+/-162.436 χ^2/NDF:113.8/55

All: -241.114+/-116.542 χ^2/NDF: 175.9/103



Right In: 1297.091+/-0.267 χ^2/NDF: 4369964.7/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1304.939+/-0.254 χ^2/NDF: 6194180.6/30

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

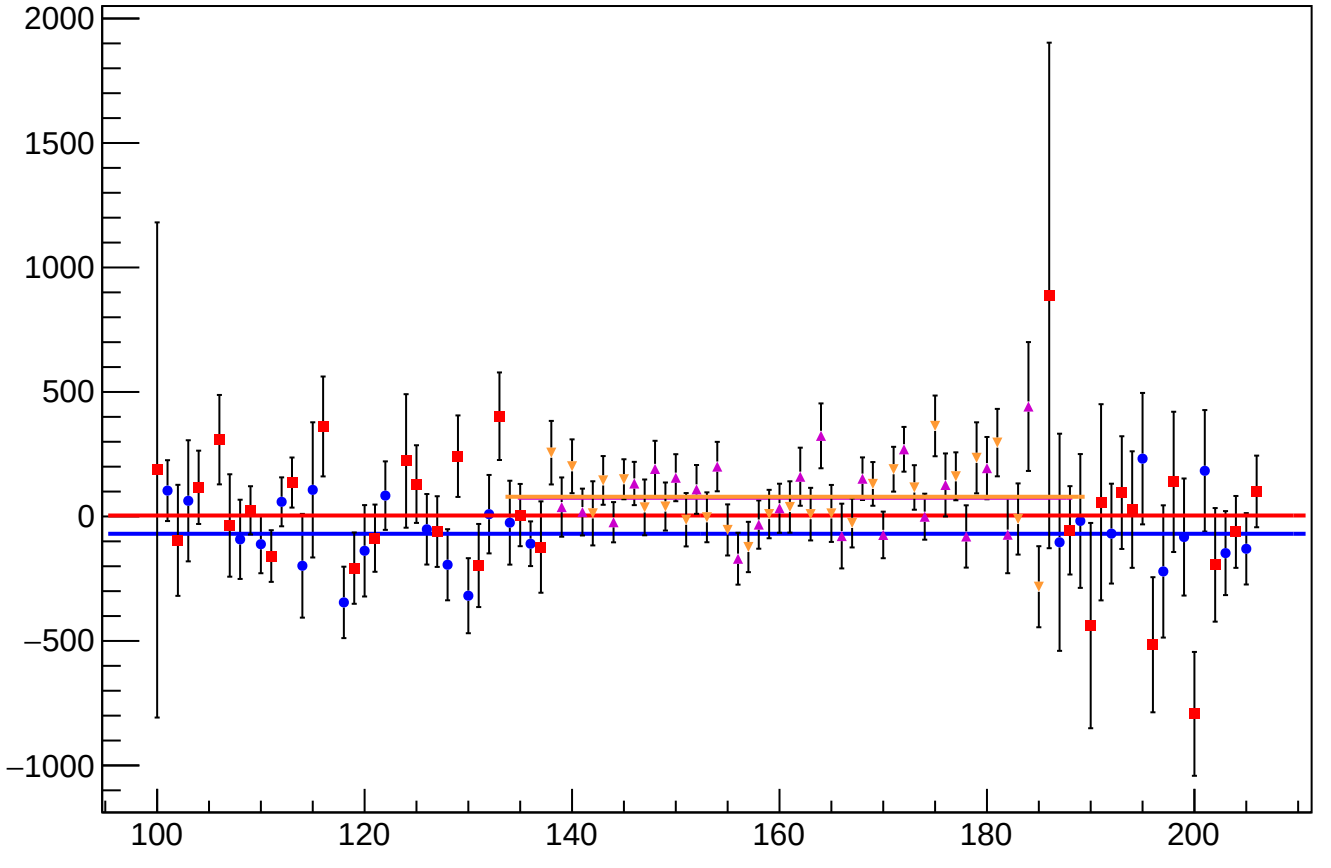
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1301.220+/-0.184 χ^2/NDF: 10564599.0/55

In: 885.192+/-0.118 χ^2/NDF:8387456.0/47

Out: 893.023+/-0.115 χ^2/NDF:10722972.2/55

All: 889.223+/-0.082 χ^2/NDF: 19112684.3/10



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 3.839+/-30.243 χ^2/NDF: 42.3/30

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

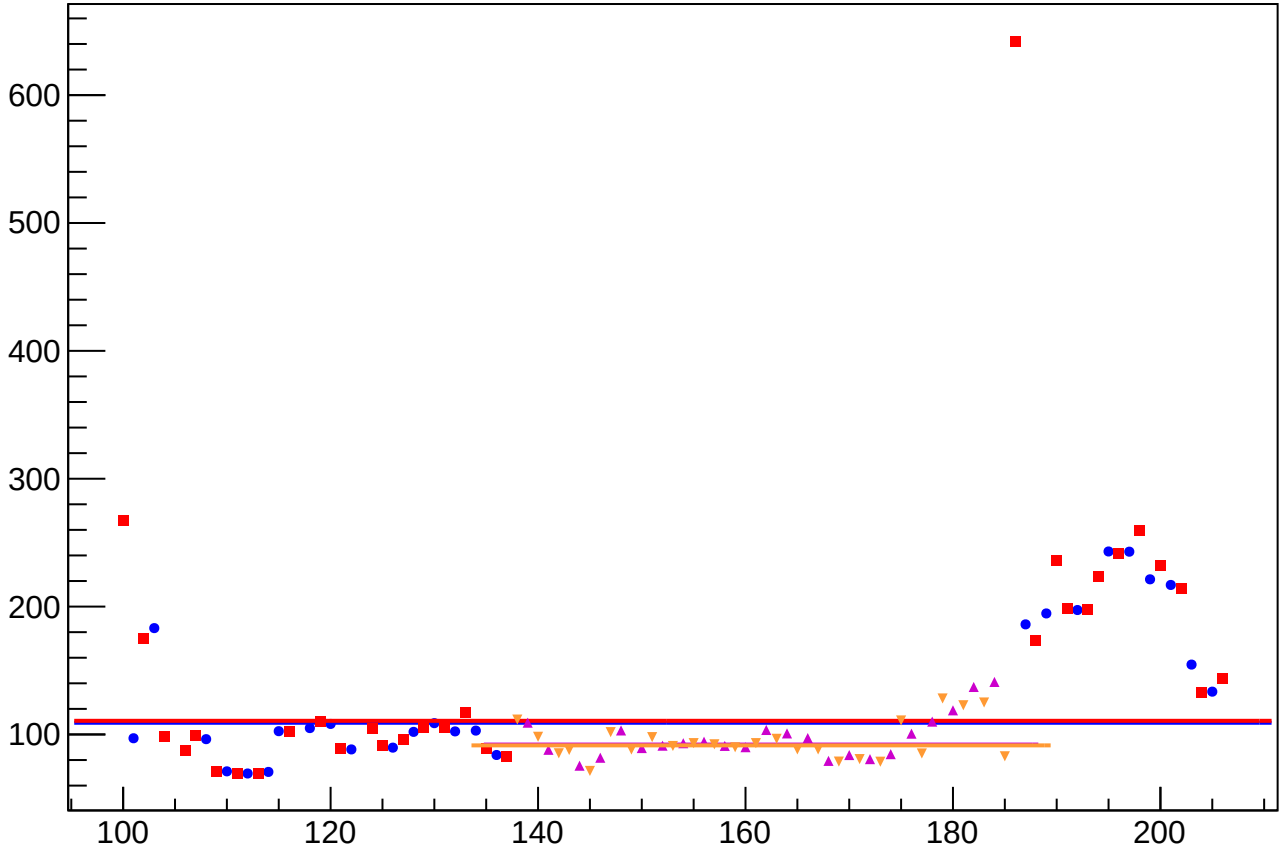
Right: -31.262+/-21.847 χ^2/NDF: 62.3/55

In: 28.296+/-17.964 χ^2/NDF:64.0/47

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 41.866+/-12.463 χ^2/NDF: 143.5/103

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

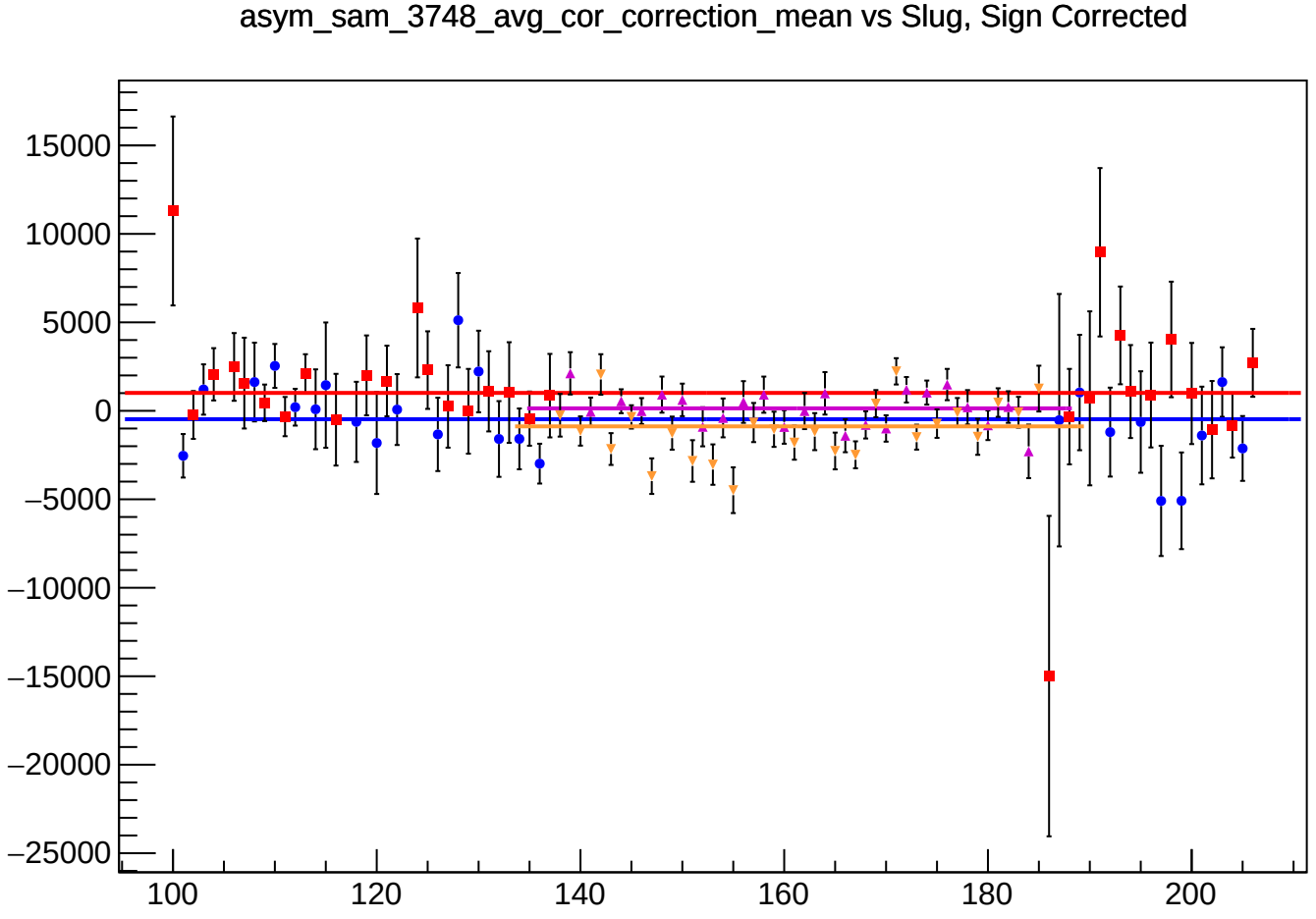
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 109.946+/-0.015 χ^2/NDF: 9193623.4/55

In: 97.613+/-0.013 χ^2/NDF:4895876.7/47

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 97.685+/-0.009 χ^2/NDF: 11579145.8/103



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

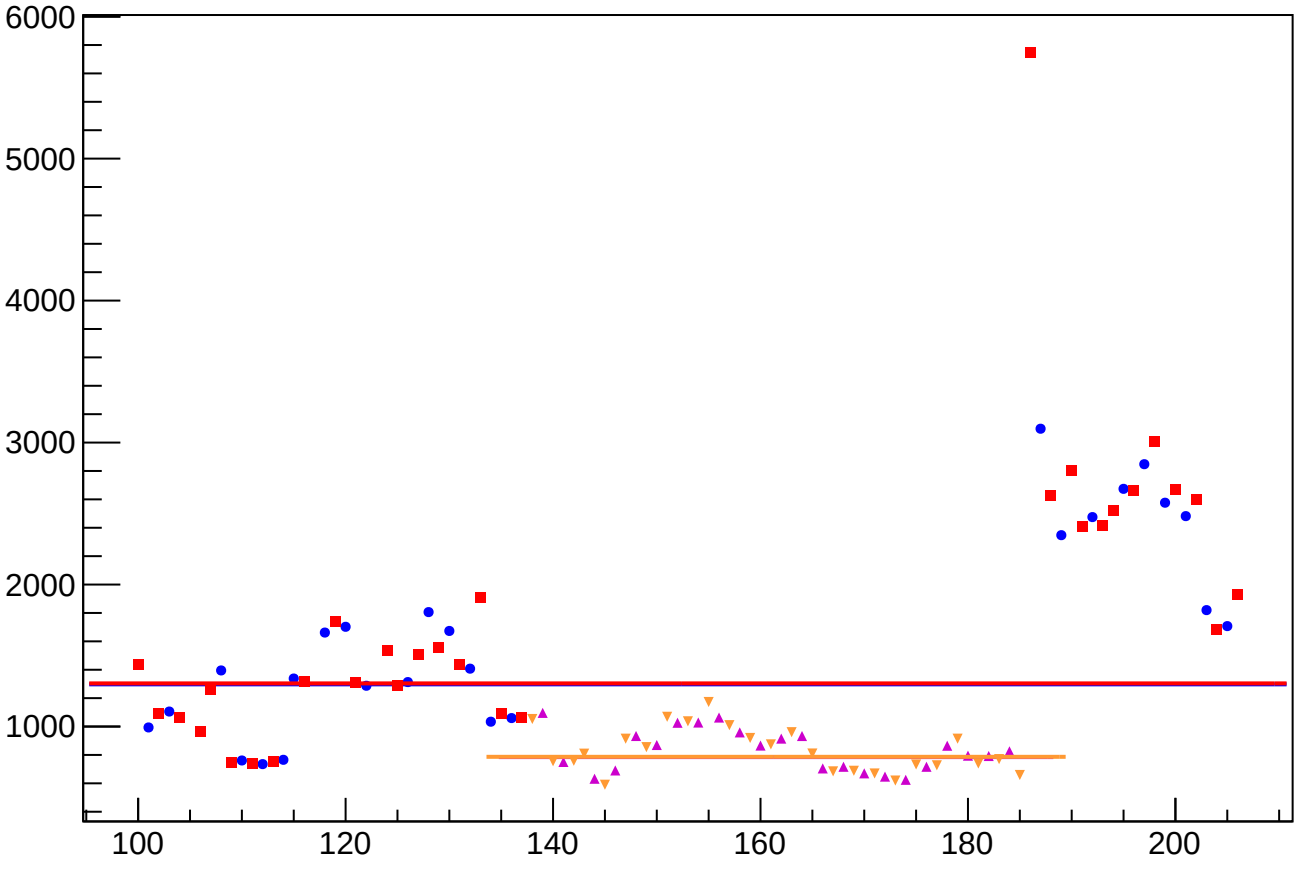
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 307.294+/-260.408 χ^2/NDF: 62.1/55

In: 18.951+/-167.302 χ^2/NDF:57.4/47

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -243.862+/-116.562 χ^2/NDF: 174.9/103



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

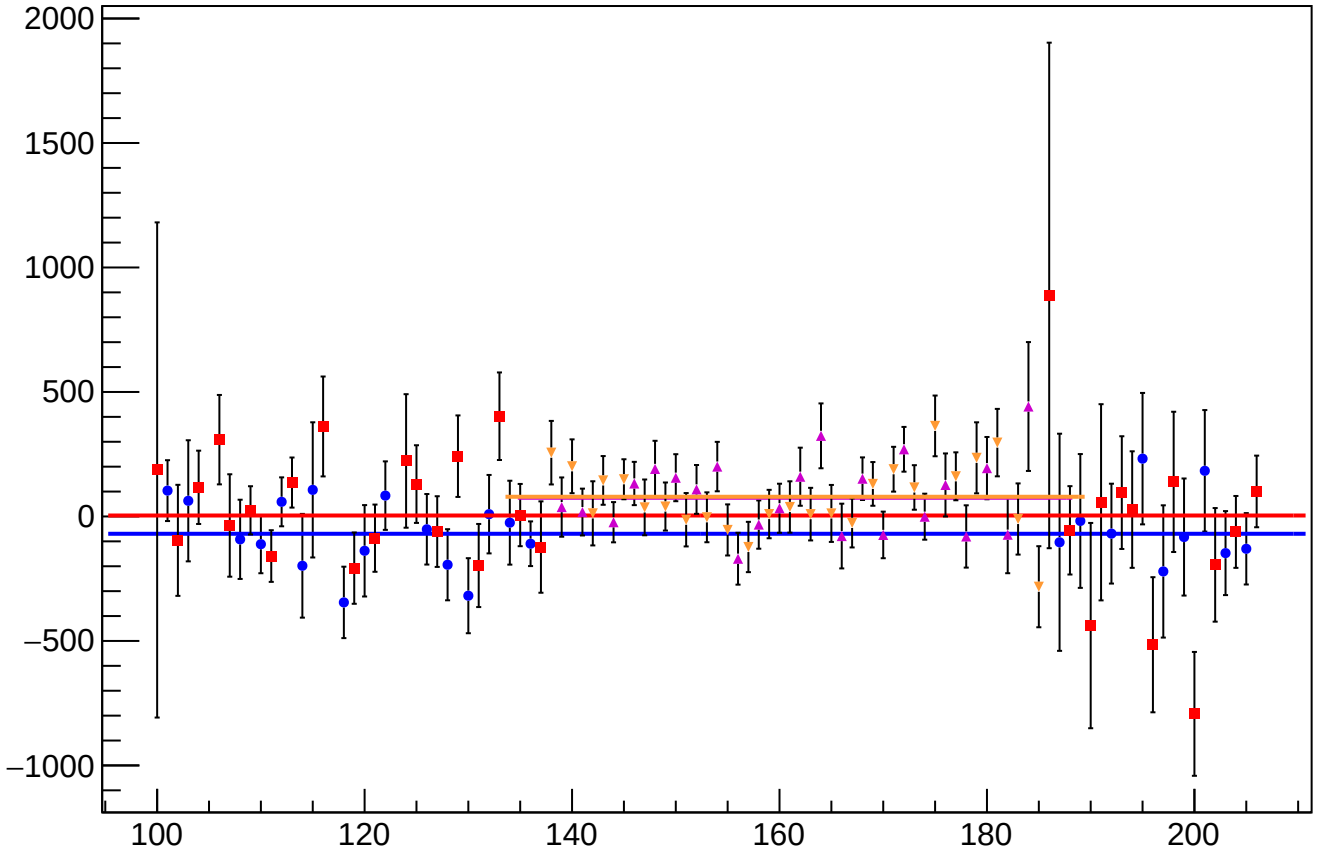
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1300.668+/-0.184 χ^2/NDF: 10579375.8/55

In: 885.193+/-0.118 χ^2/NDF:8387492.5/47

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 888.972+/-0.082 χ^2/NDF: 19105511.2/10



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 3.839+/-30.243 χ^2/NDF: 42.3/30

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

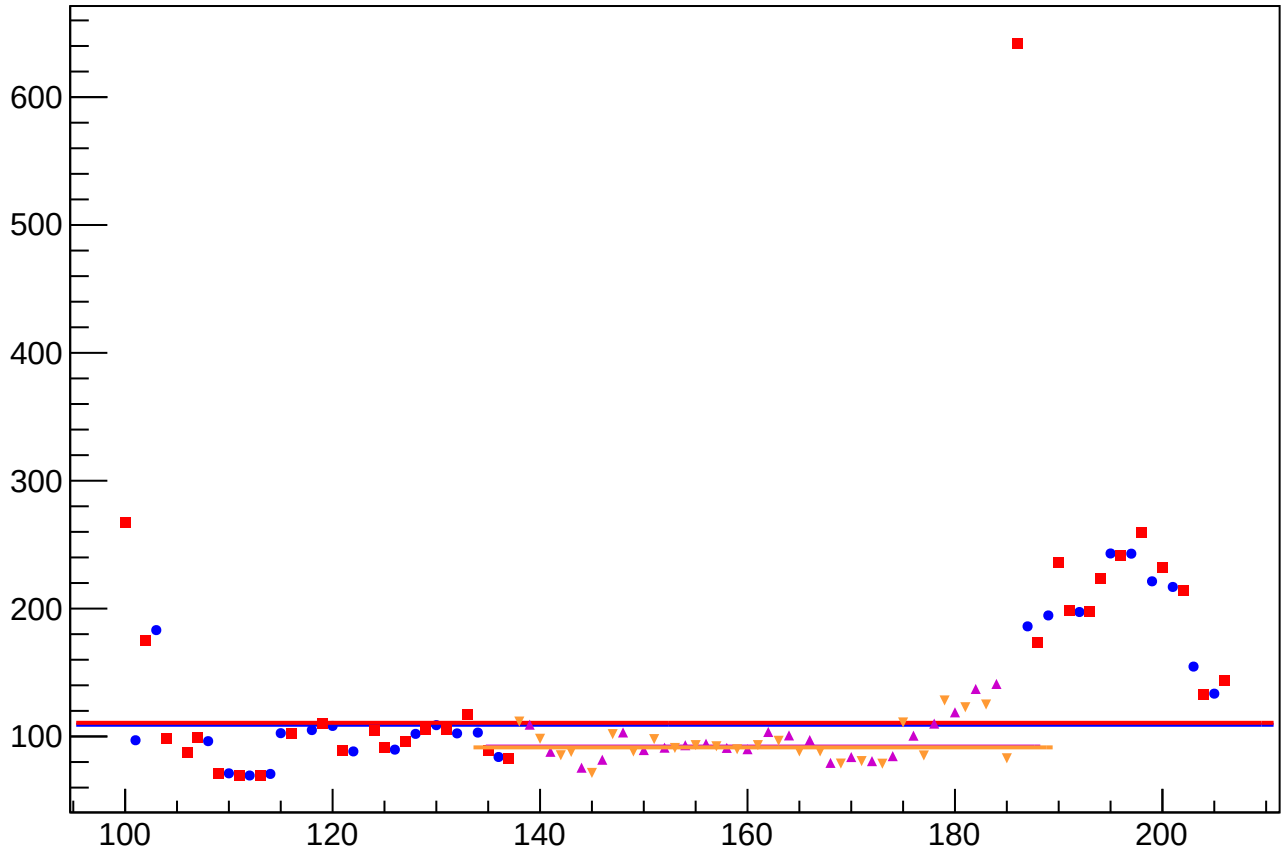
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -31.262+/-21.847 χ^2/NDF: 62.3/55

In: 28.296+/-17.964 χ^2/NDF:64.0/47

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 41.866+/-12.463 χ^2/NDF: 143.5/103



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

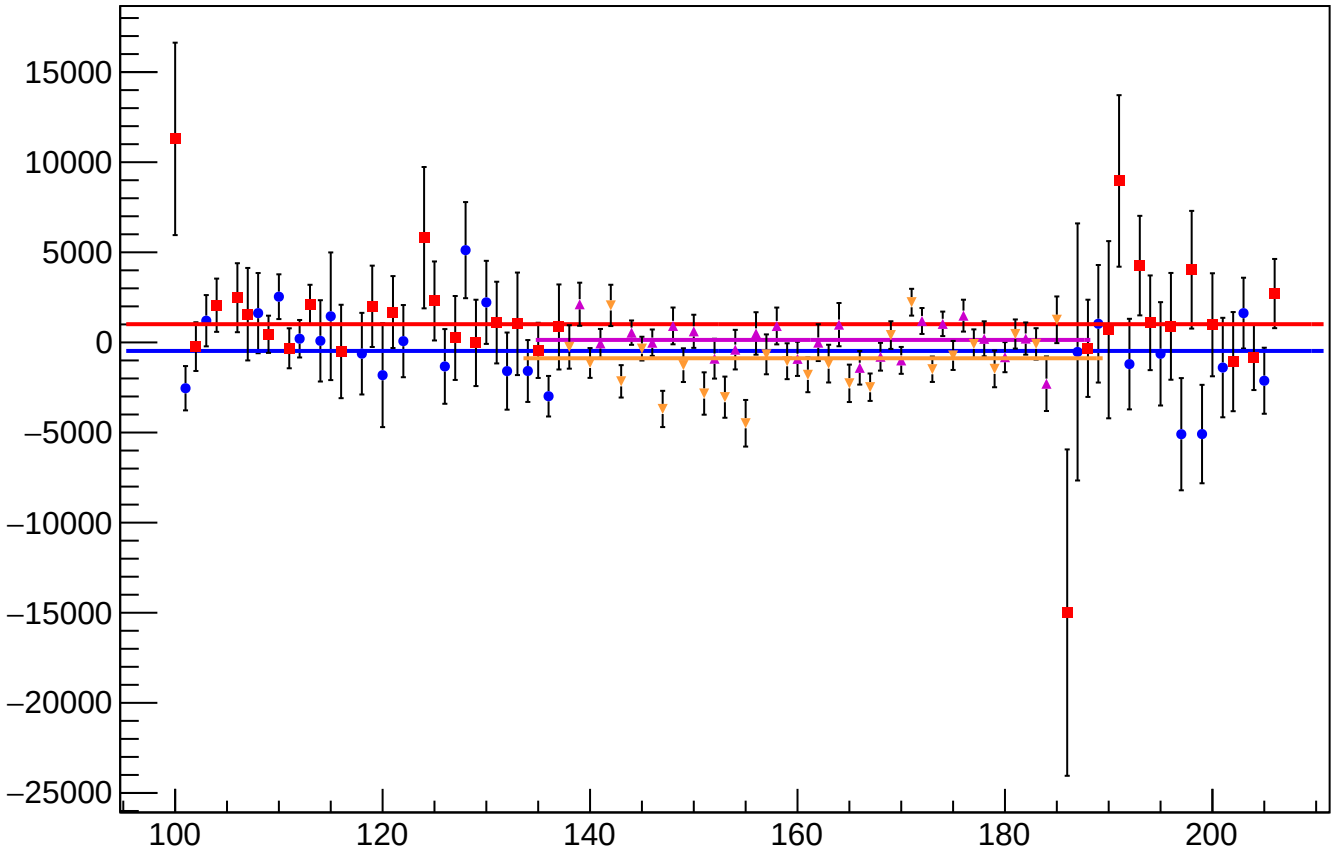
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 109.946+/-0.015 χ^2/NDF: 9193623.4/55

In: 97.613+/-0.013 χ^2/NDF:4895876.7/47

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 97.685+/-0.009 χ^2/NDF: 11579145.8/103



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

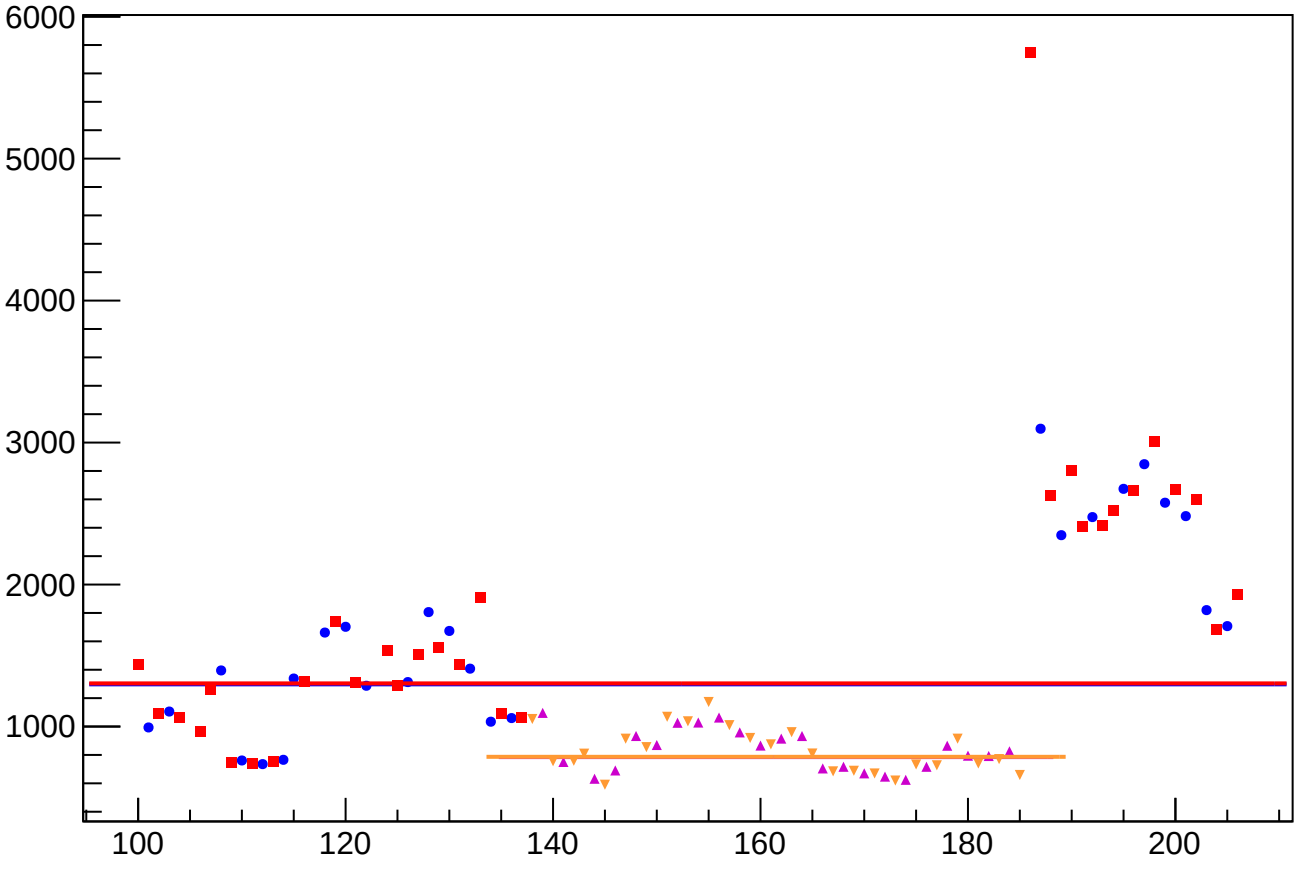
Right: 307.294+/-260.408 χ^2/NDF: 62.1/55

In: 18.951+/-167.302 χ^2/NDF:57.4/47

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -243.862+/-116.562 χ^2/NDF: 174.9/103

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

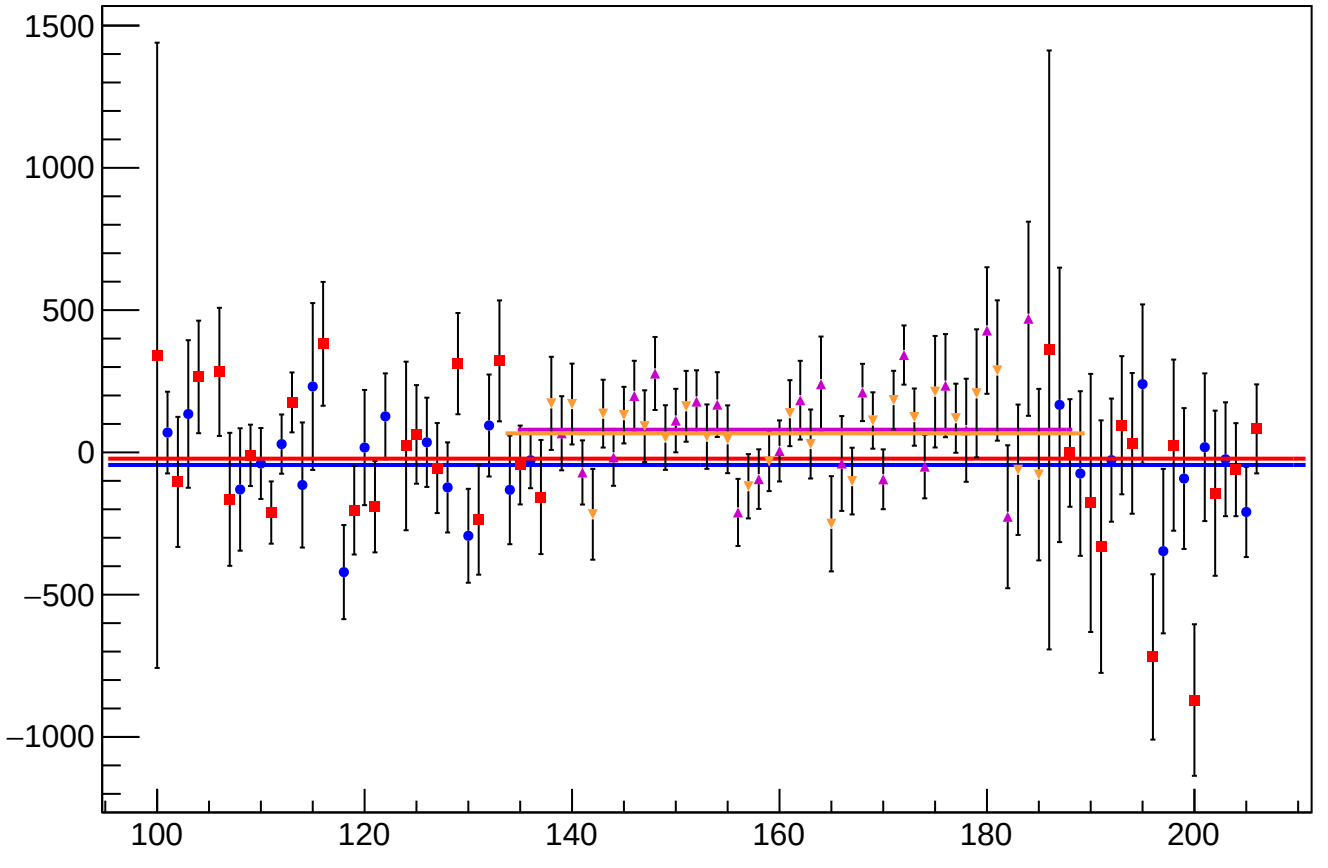
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1300.668+/-0.184 χ^2/NDF: 10579375.8/55

In: 885.193+/-0.118 χ^2/NDF:8387492.5/47

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 888.972+/-0.082 χ^2/NDF: 19105511.2/10



Right In: -44.186+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -21.983+/-33.598 χ^2/NDF: 42.8/30

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

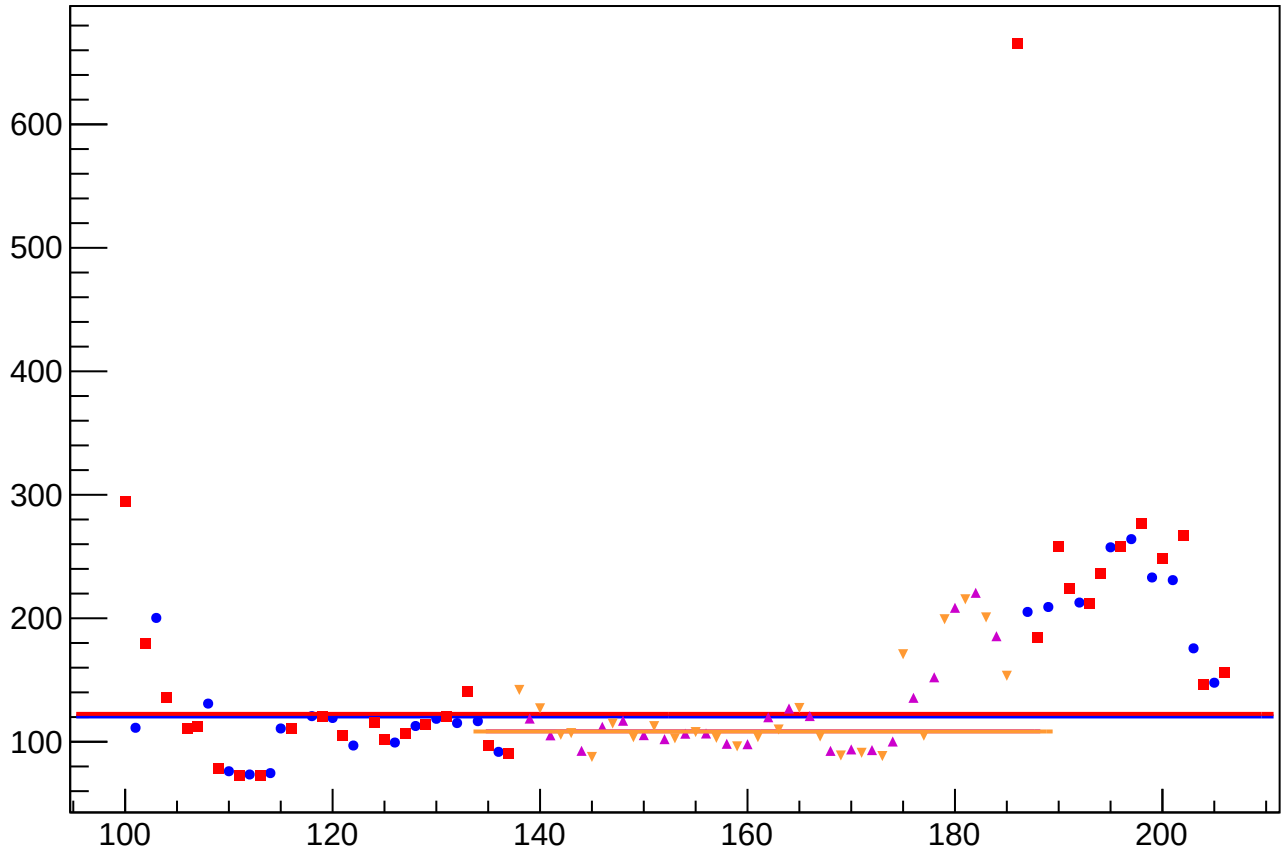
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -32.629+/-24.240 χ^2/NDF: 59.5/55

In: 35.049+/-21.026 χ^2/NDF:61.4/47

Out: 34.275+/-20.354 χ^2/NDF:66.8/55

All: 34.650+/-14.625 χ^2/NDF: 128.2/103



Right In: 120.490+/-0.025 χ^2/NDF: 3786553.5/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 122.584+/-0.024 χ^2/NDF: 5366557.0/30

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

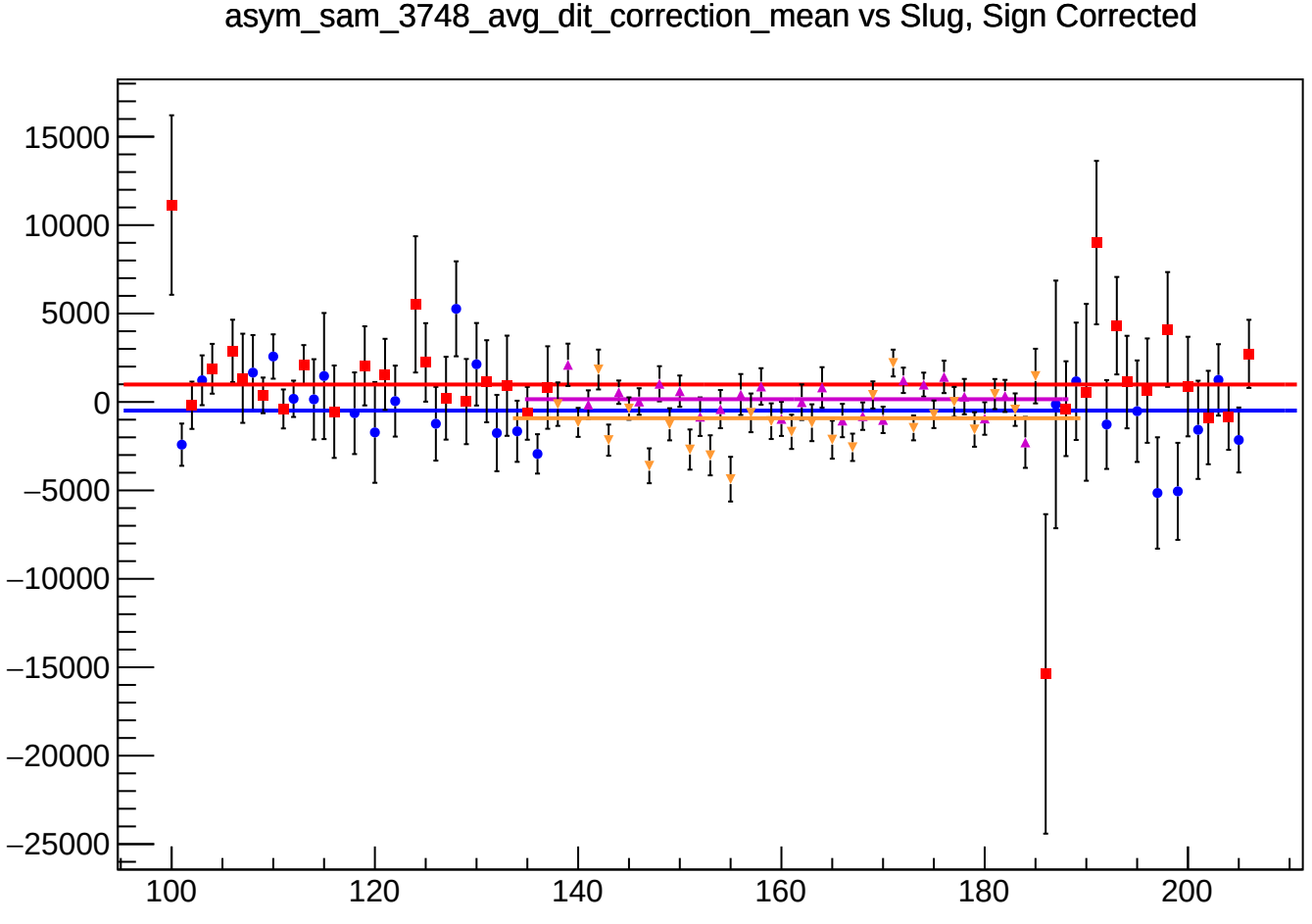
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 121.580+/-0.017 χ^2/NDF: 9156833.8/55

In: 112.821+/-0.015 χ^2/NDF:5316121.1/47

Out: 113.562+/-0.014 χ^2/NDF:7369006.9/55

All: 113.203+/-0.010 χ^2/NDF: 12686409.9/10



Right In: -486.502+/-376.738 χ^2/NDF: 30.8/24

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 987.596+/-355.159 χ^2/NDF: 24.4/30

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

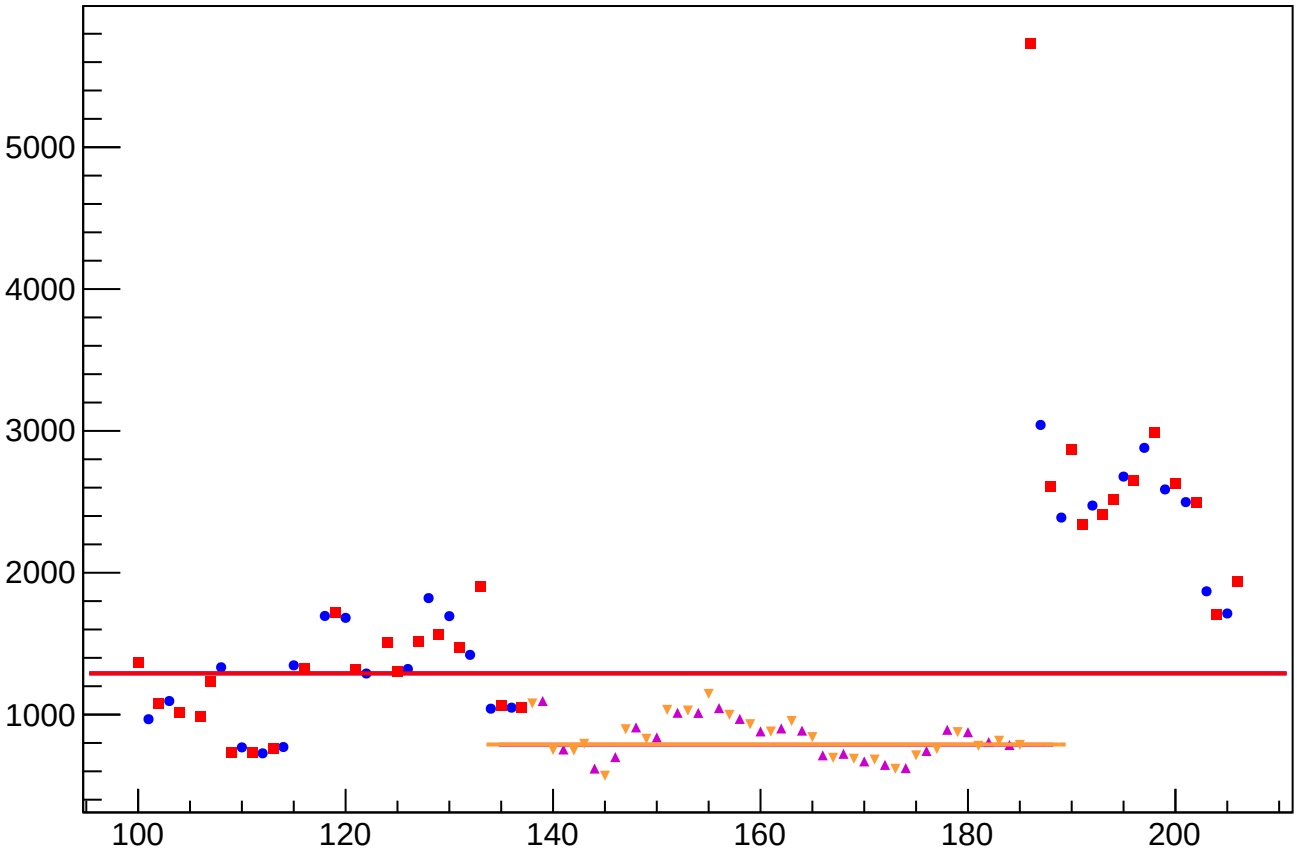
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 293.971+/-258.427 χ^2/NDF: 63.3/55

In: 28.765+/-167.584 χ^2/NDF:56.2/47

Out: -520.655+/-162.296 χ^2/NDF:111.3/55

All: -254.749+/-116.585 χ^2/NDF: 173.0/103



Right In: 1290.534+/-0.266 χ^2/NDF: 4479735.0/24

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1290.642+/-0.251 χ^2/NDF: 6270336.1/30

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

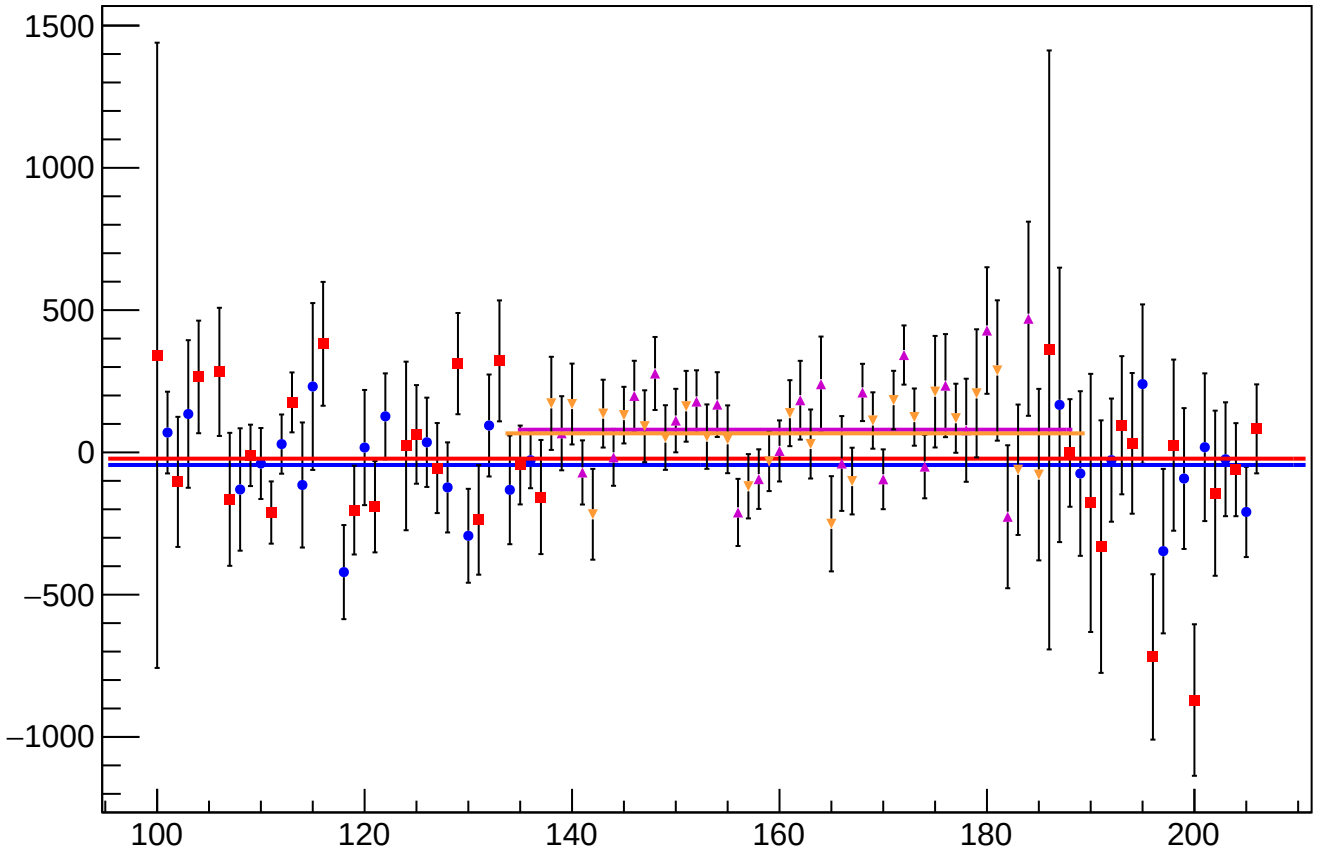
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1290.591+/-0.183 χ^2/NDF: 10750071.1/55

In: 886.948+/-0.118 χ^2/NDF:8382537.8/47

Out: 893.950+/-0.115 χ^2/NDF:10600801.8/55

All: 890.561+/-0.082 χ^2/NDF: 18985141.3/10



Right In: -44.185+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -21.984+/-33.598 χ^2/NDF: 42.8/30

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

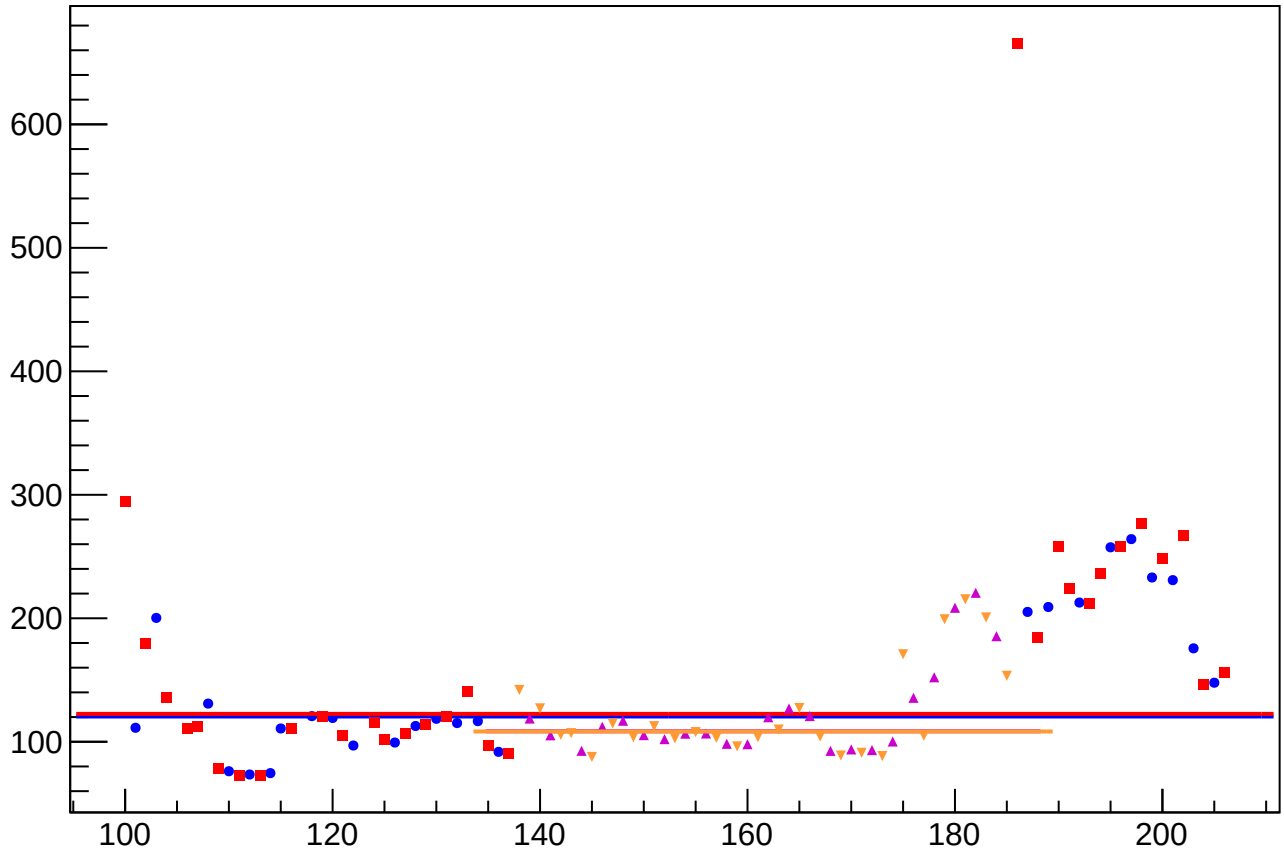
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -32.629+/-24.240 χ^2/NDF: 59.5/55

In: 35.049+/-21.026 χ^2/NDF:61.4/47

Out: 34.276+/-20.354 χ^2/NDF:66.8/55

All: 34.650+/-14.625 χ^2/NDF: 128.2/103



Right In: 120.490+/-0.025 χ^2/NDF: 3786541.7/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 122.584+/-0.024 χ^2/NDF: 5366560.8/30

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

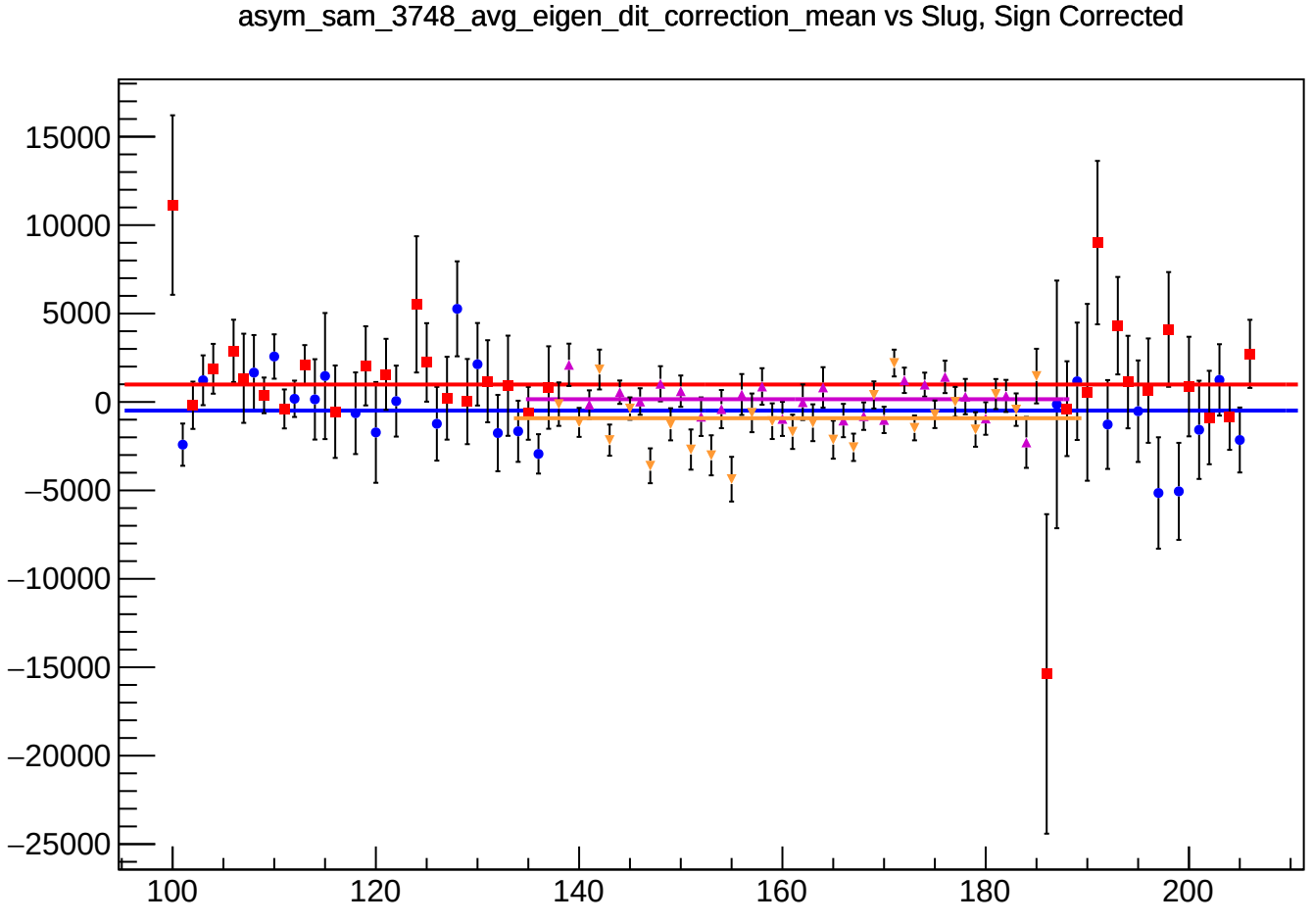
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 121.580+/-0.017 χ^2/NDF: 9156825.9/55

In: 112.821+/-0.015 χ^2/NDF:5316085.8/47

Out: 113.562+/-0.014 χ^2/NDF:7369000.1/55

All: 113.203+/-0.010 χ^2/NDF: 12686367.8/10



Right In: -486.501+/-376.737 χ^2/NDF: 30.8/24

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 987.595+/-355.158 χ^2/NDF: 24.4/30

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

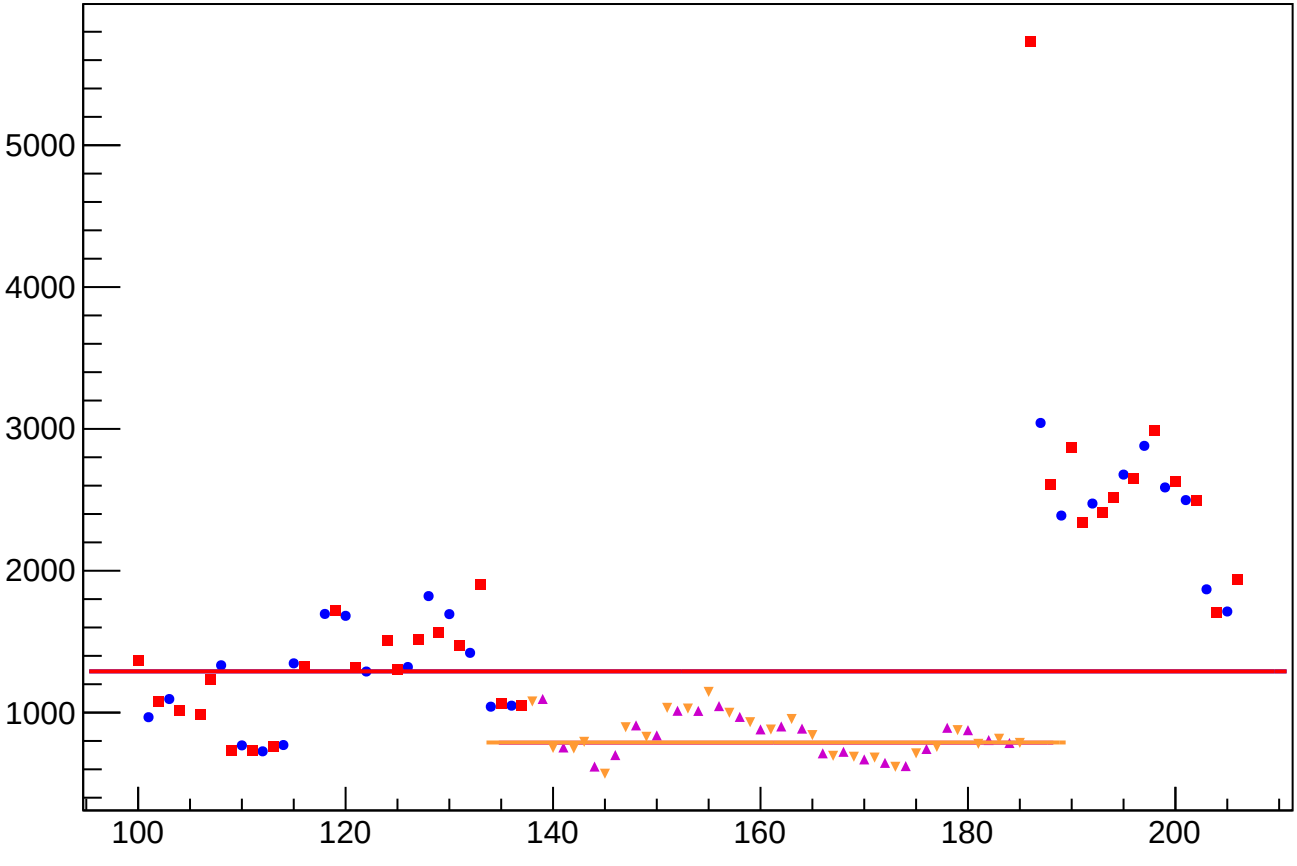
Right: 293.971+/-258.427 χ^2/NDF: 63.3/55

In: 28.765+/-167.584 χ^2/NDF:56.2/47

Out: -520.655+/-162.296 χ^2/NDF:111.3/55

All: -254.749+/-116.585 χ^2/NDF: 173.0/103

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1290.532+/-0.266 χ^2/NDF: 4479743.3/24

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1290.640+/-0.251 χ^2/NDF: 6270340.8/30

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

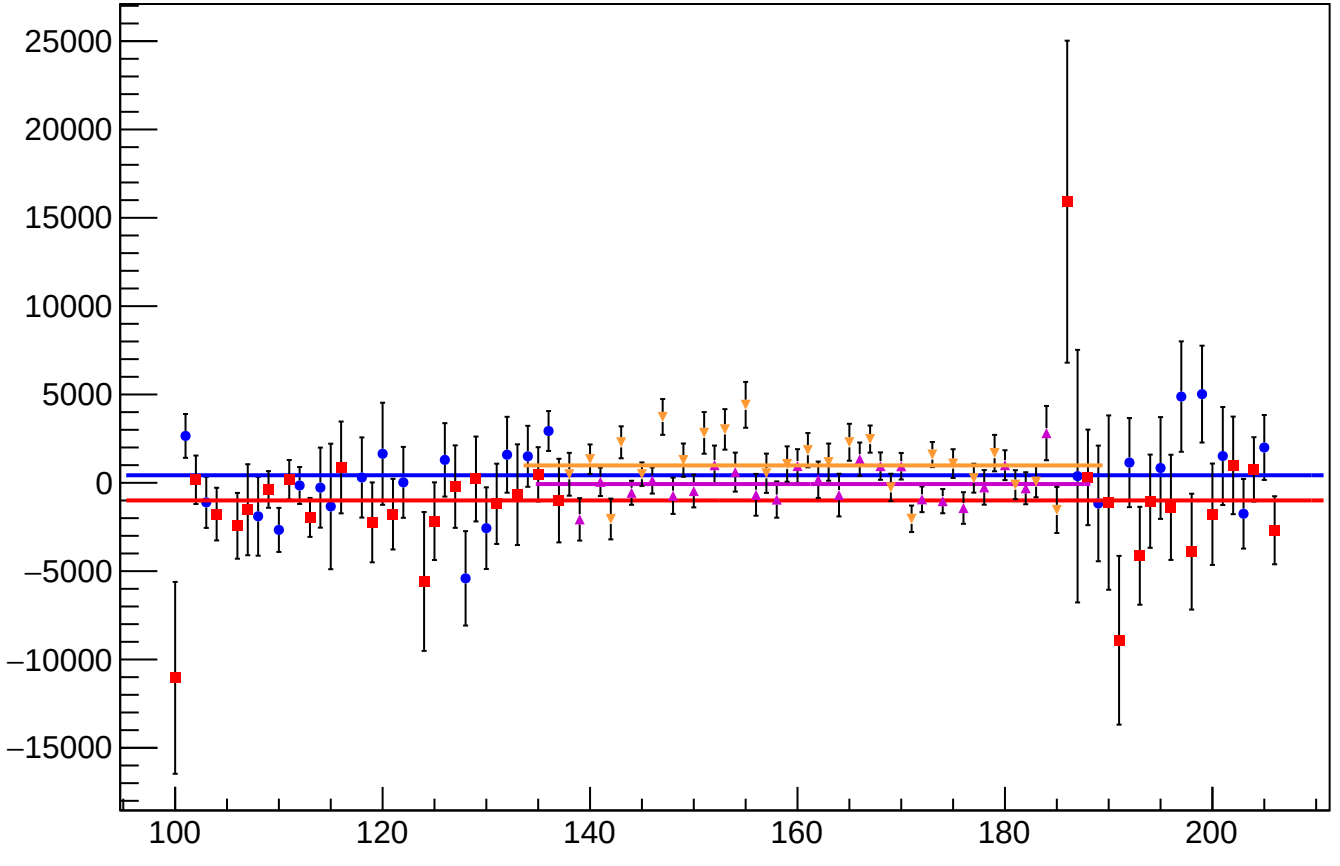
Right: 1290.589+/-0.183 χ^2/NDF: 10750084.3/55

In: 886.947+/-0.118 χ^2/NDF:8382545.4/47

Out: 893.949+/-0.115 χ^2/NDF:10600811.3/55

All: 890.560+/-0.082 χ^2/NDF: 18985158.4/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 427.881+/-379.897 χ^2/NDF: 32.0/24

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -998.012+/-360.580 χ^2/NDF: 22.0/30

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

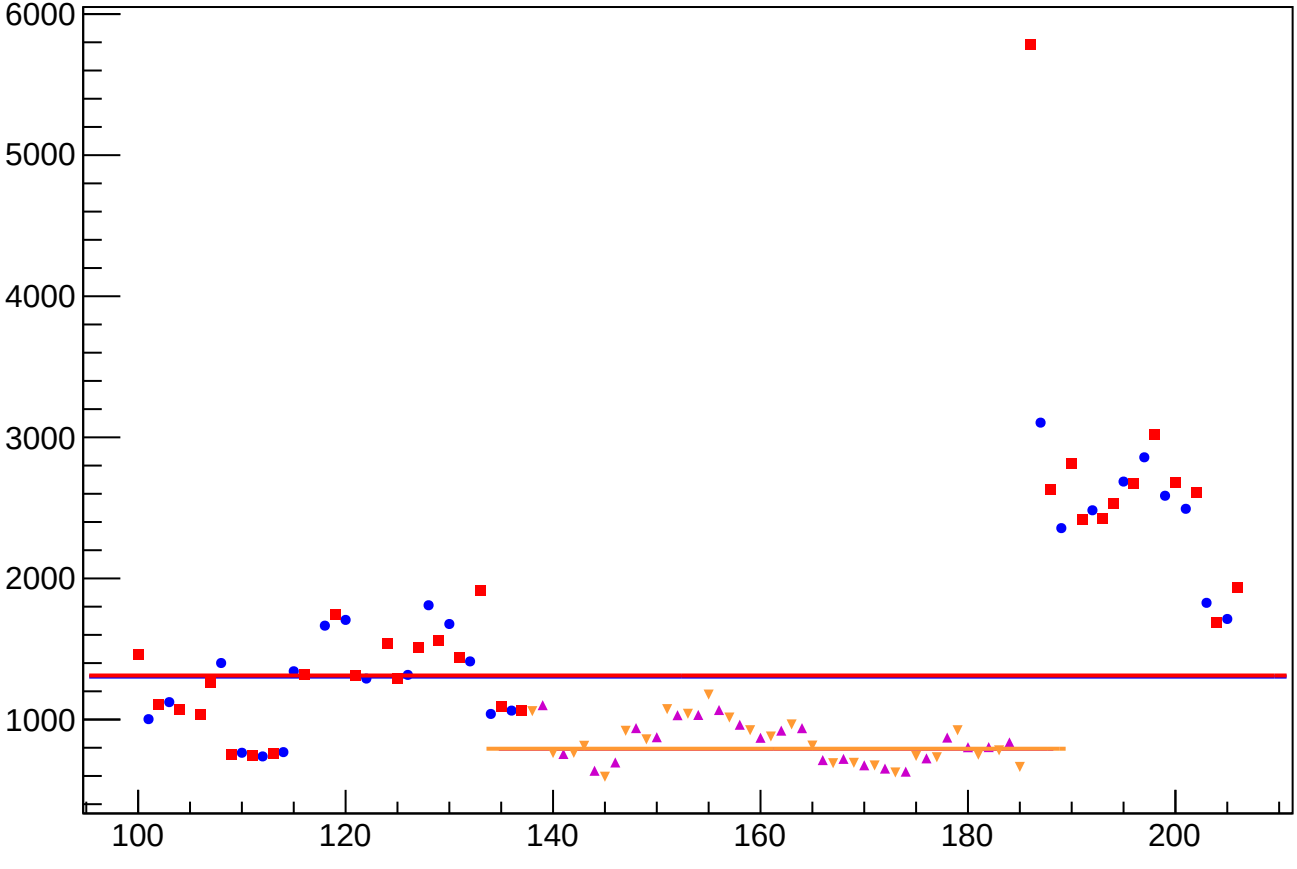
Right: -322.238+/-261.531 χ^2/NDF: 61.4/55

In: 27.902+/-168.522 χ^2/NDF:57.8/47

Out: 577.245+/-163.612 χ^2/NDF:109.7/55

All: 310.692+/-117.389 χ^2/NDF: 173.0/103

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1304.173+/-0.269 χ^2/NDF: 4352663.1/24

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1312.055+/-0.255 χ^2/NDF: 6174591.9/30

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

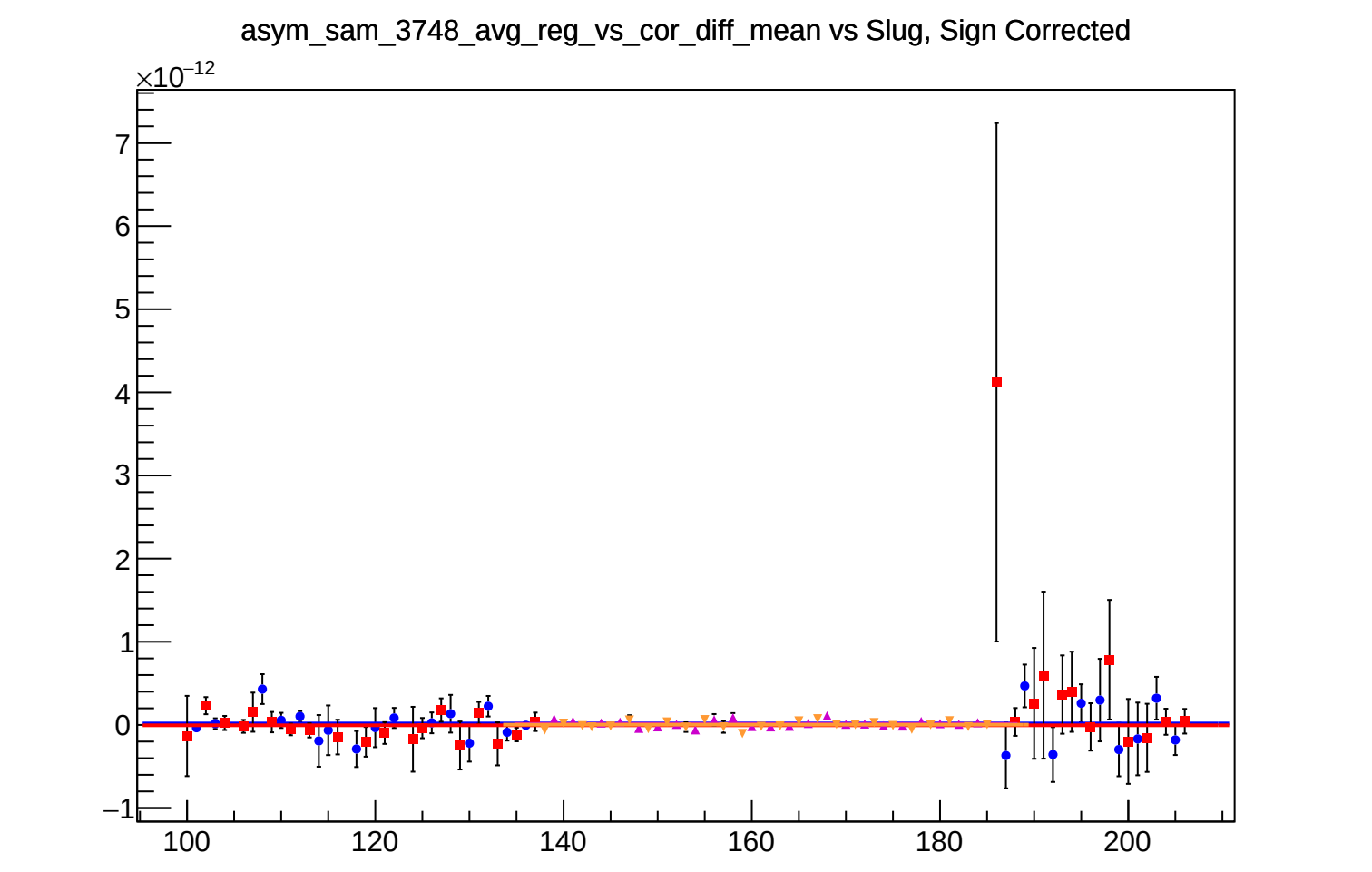
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1308.319+/-0.185 χ^2/NDF: 10527707.9/55

In: 892.107+/-0.119 χ^2/NDF:8331295.5/47

Out: 899.907+/-0.116 χ^2/NDF:10658970.4/55

All: 896.123+/-0.083 χ^2/NDF: 18992471.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/30

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

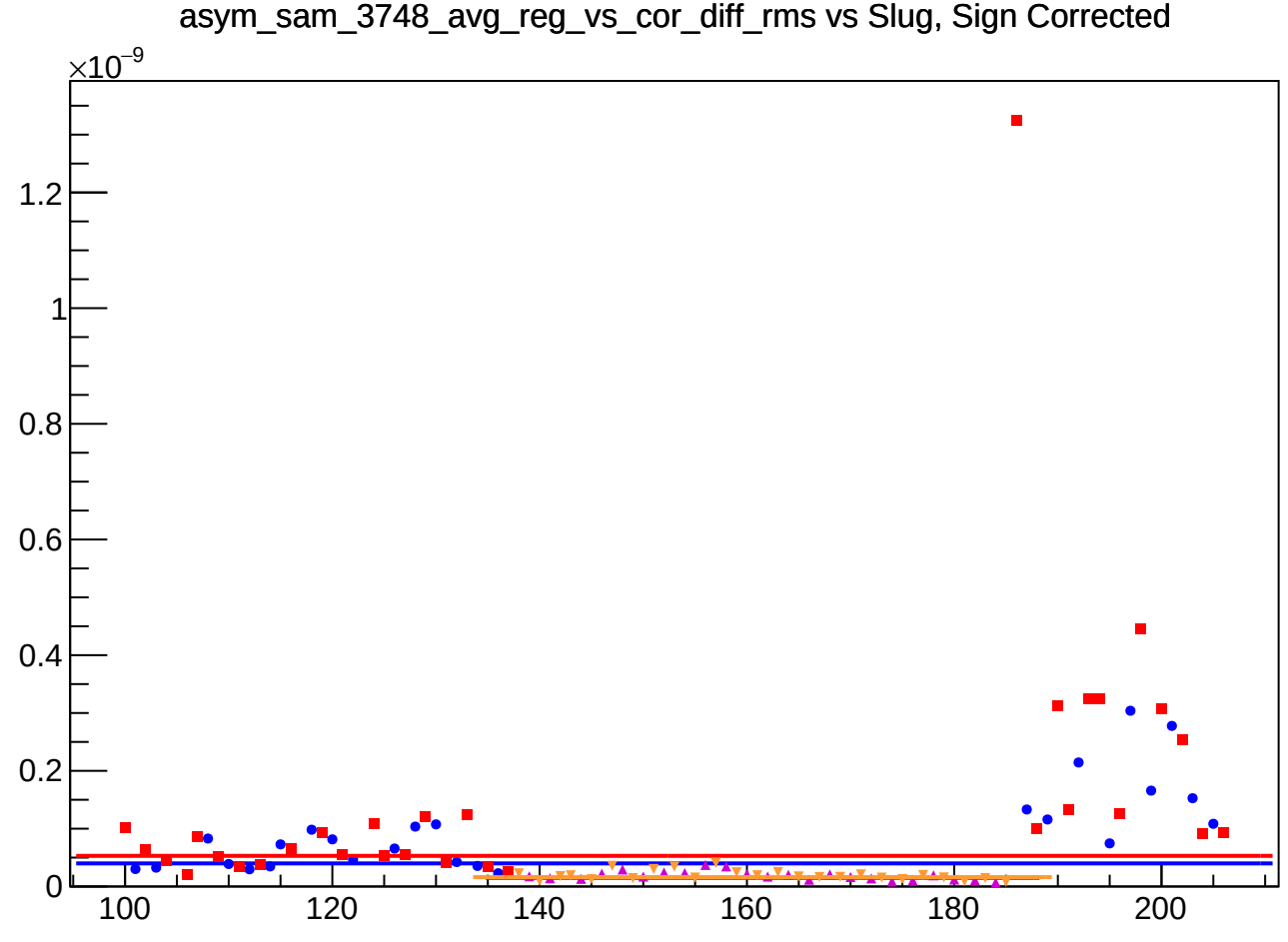
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/55

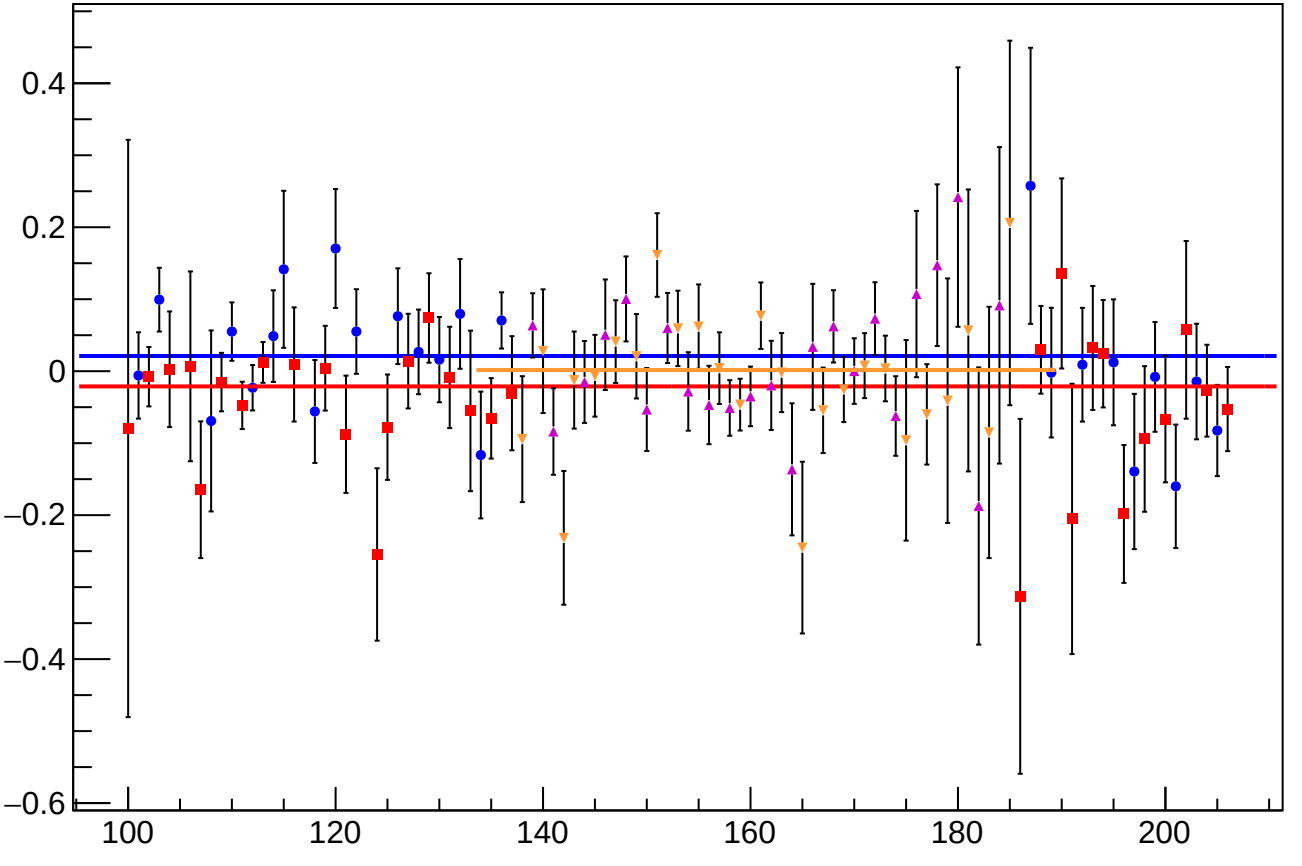
In: 0.000+/-0.000 χ^2/NDF:52.7/47

Out: 0.000+/-0.000 χ^2/NDF:55.2/55

All: 0.000+/-0.000 χ^2/NDF: 109.2/103


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4335760.9/24
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5370494.6/30
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
Left: 0.000+/-0.000 χ²/NDF: 3428363.2/47
Right: 0.000+/-0.000 χ²/NDF: 10016050.1/55
In: 0.000+/-0.000 χ²/NDF:8552927.4/47
Out: 0.000+/-0.000 χ²/NDF:11022274.2/55
All: 0.000+/-0.000 χ²/NDF: 19631632.8/103

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

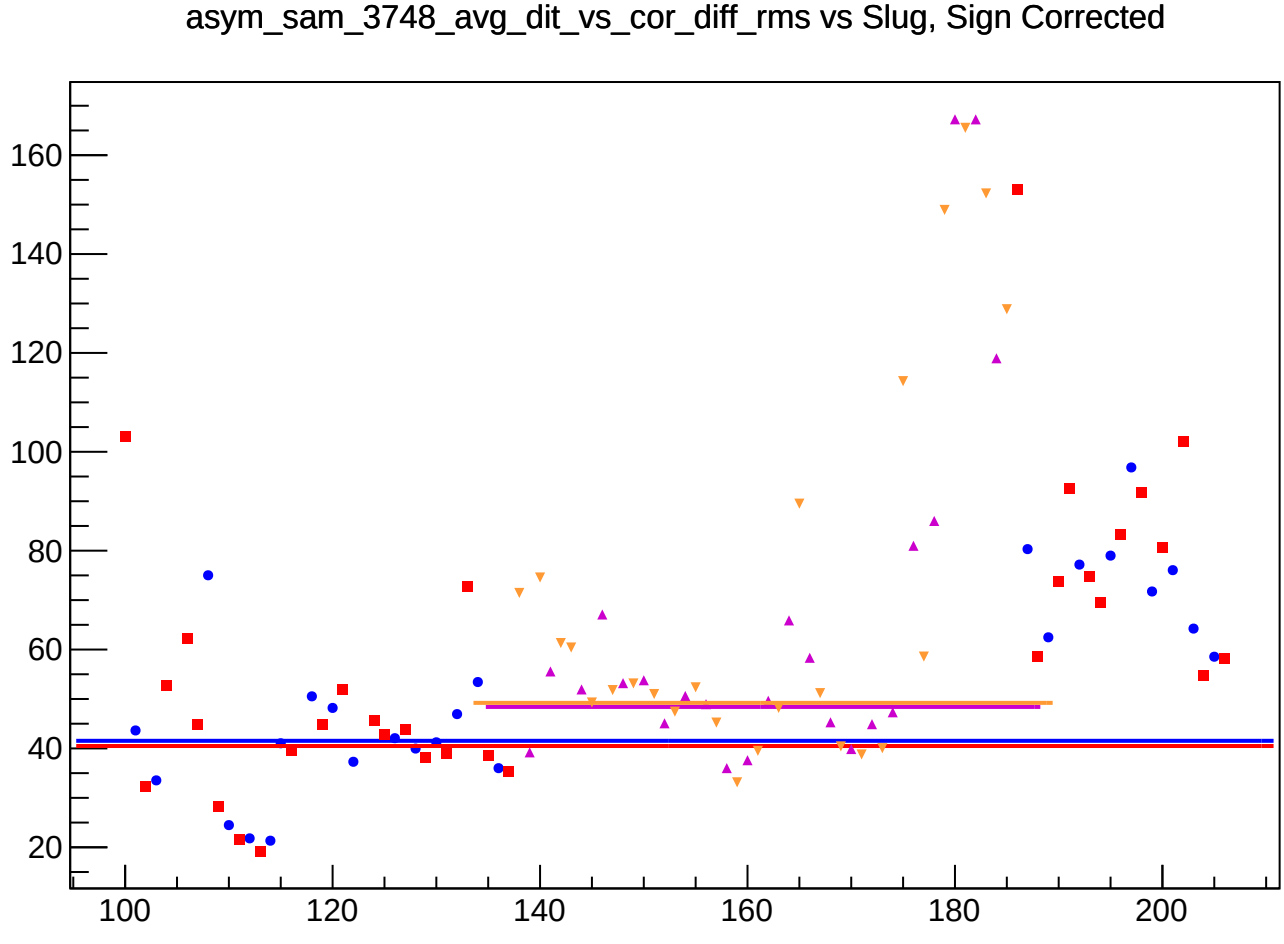
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: -0.002+/-0.008 χ^2/NDF: 59.0/55

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: 0.000+/-0.006 χ^2/NDF: 115.5/103



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

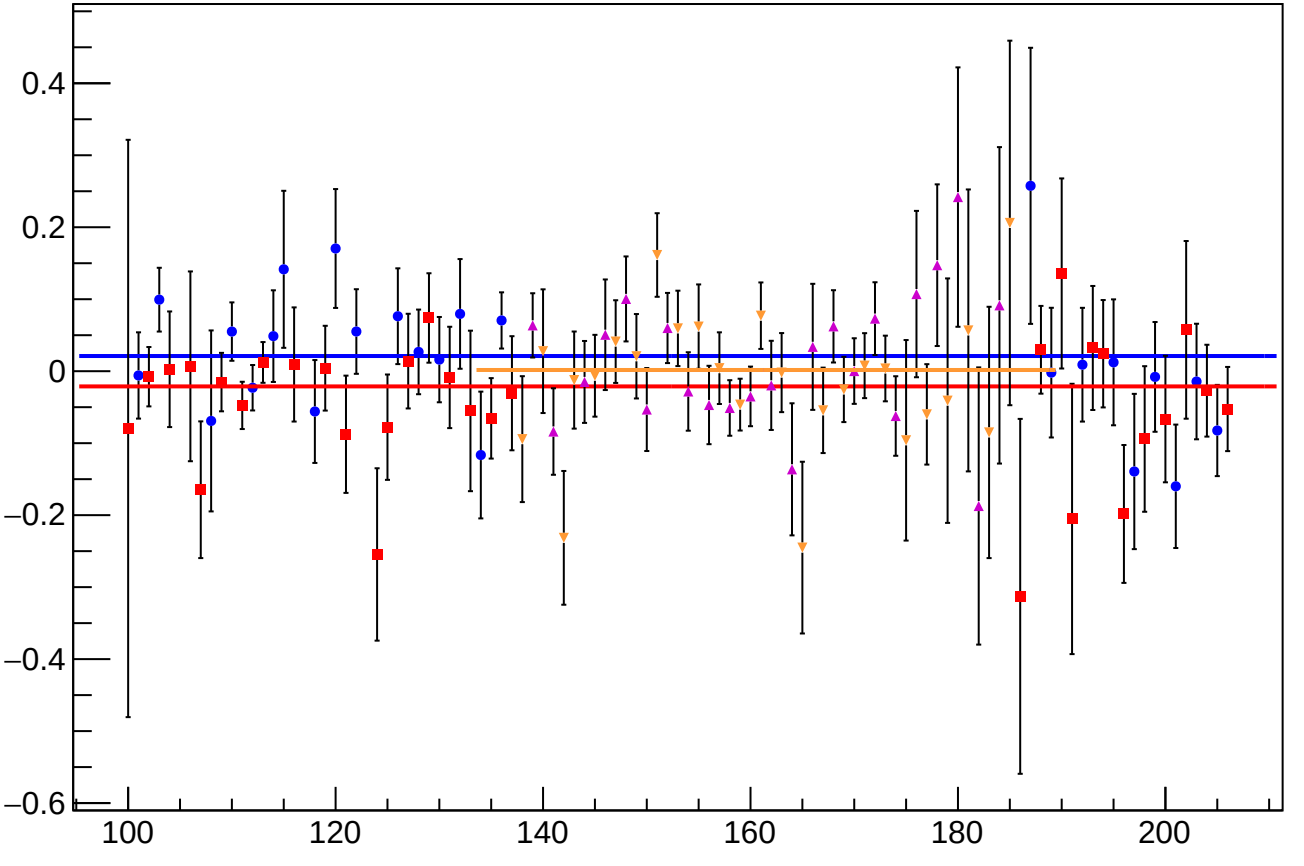
Right: 40.974+/-0.006 χ^2/NDF: 10195532.1/55

In: 44.995+/-0.006 χ^2/NDF:7458521.8/47

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.788+/-0.004 χ^2/NDF: 18232568.7/103

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

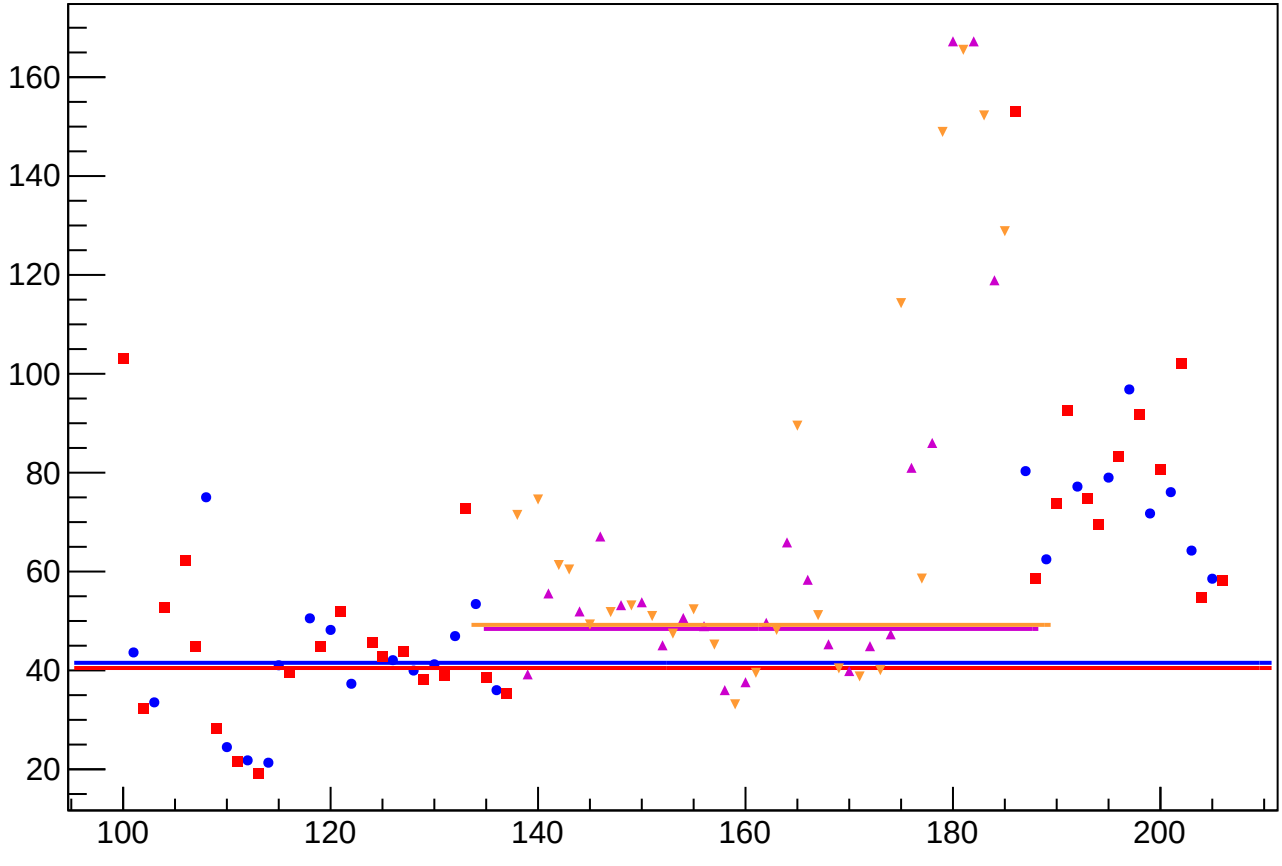
Right: -0.002+/-0.008 χ^2/NDF: 59.0/55

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: 0.000+/-0.006 χ^2/NDF: 115.5/103

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

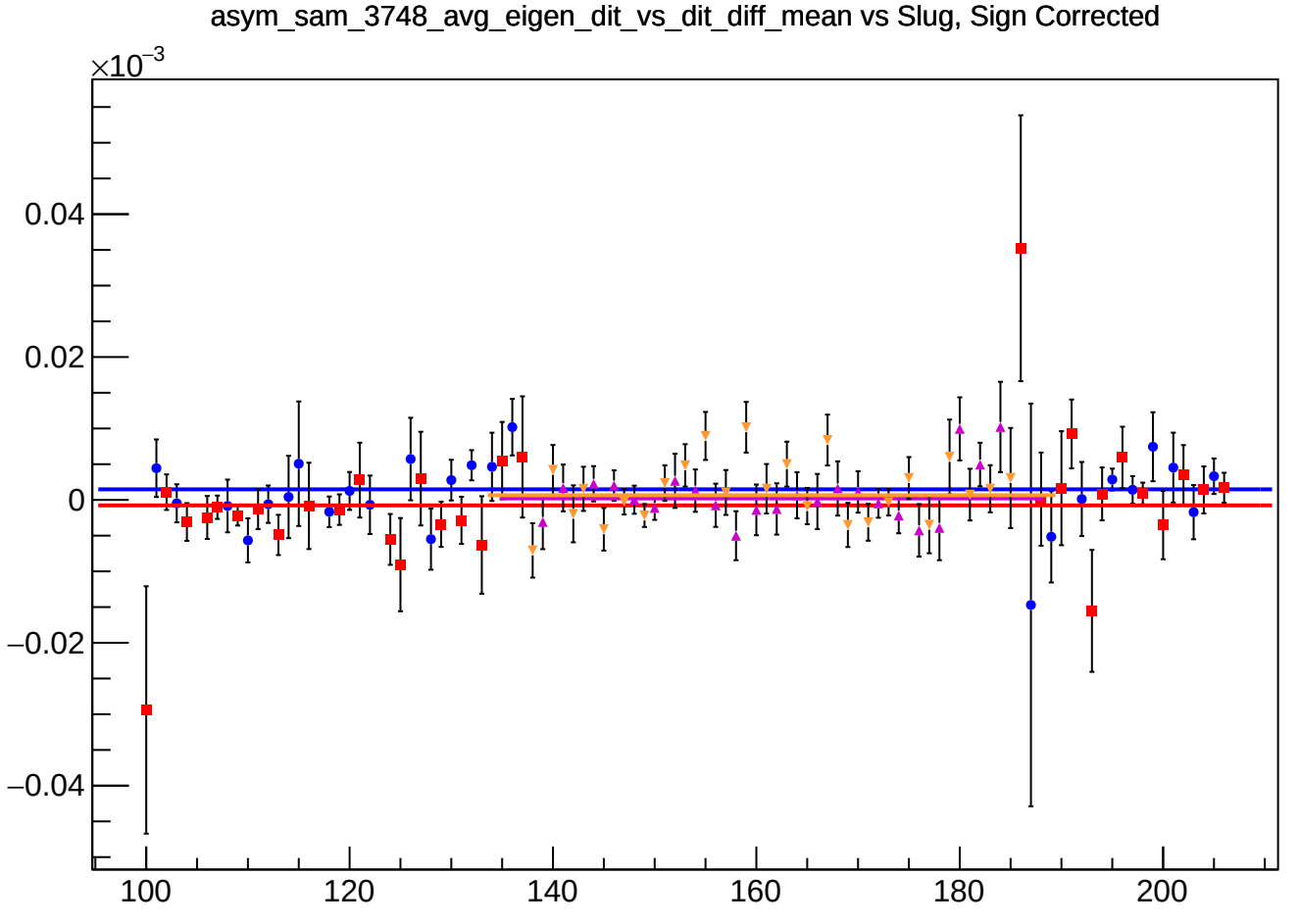
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 40.974+/-0.006 χ^2/NDF: 10195532.1/55

In: 44.995+/-0.006 χ^2/NDF:7458521.8/47

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.788+/-0.004 χ^2/NDF: 18232568.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

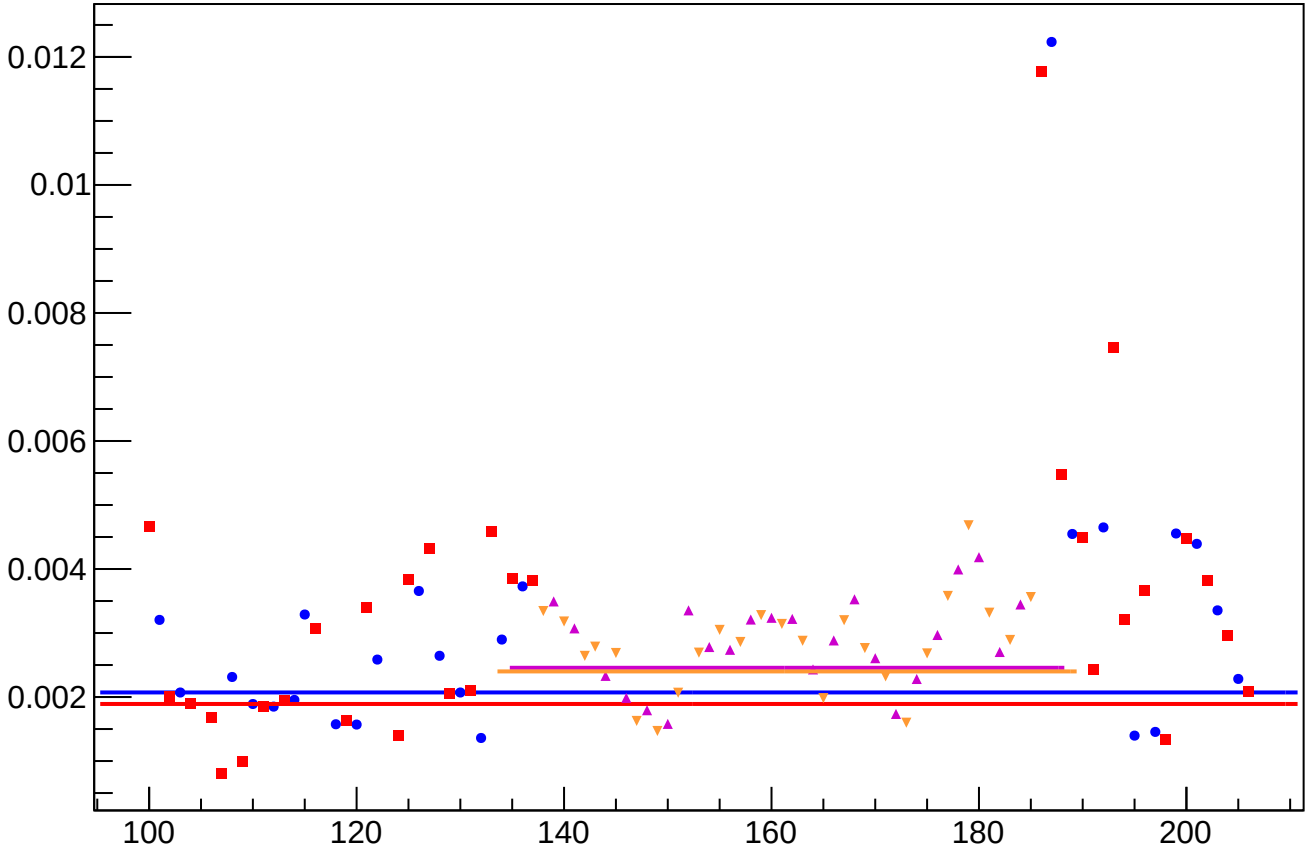
Right: 0.000+/-0.000 χ^2/NDF: 67.9/55

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: -0.000+/-0.000 χ^2/NDF:78.7/55

All: 0.000+/-0.000 χ^2/NDF: 129.8/103

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4136253.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7579403.8/30

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

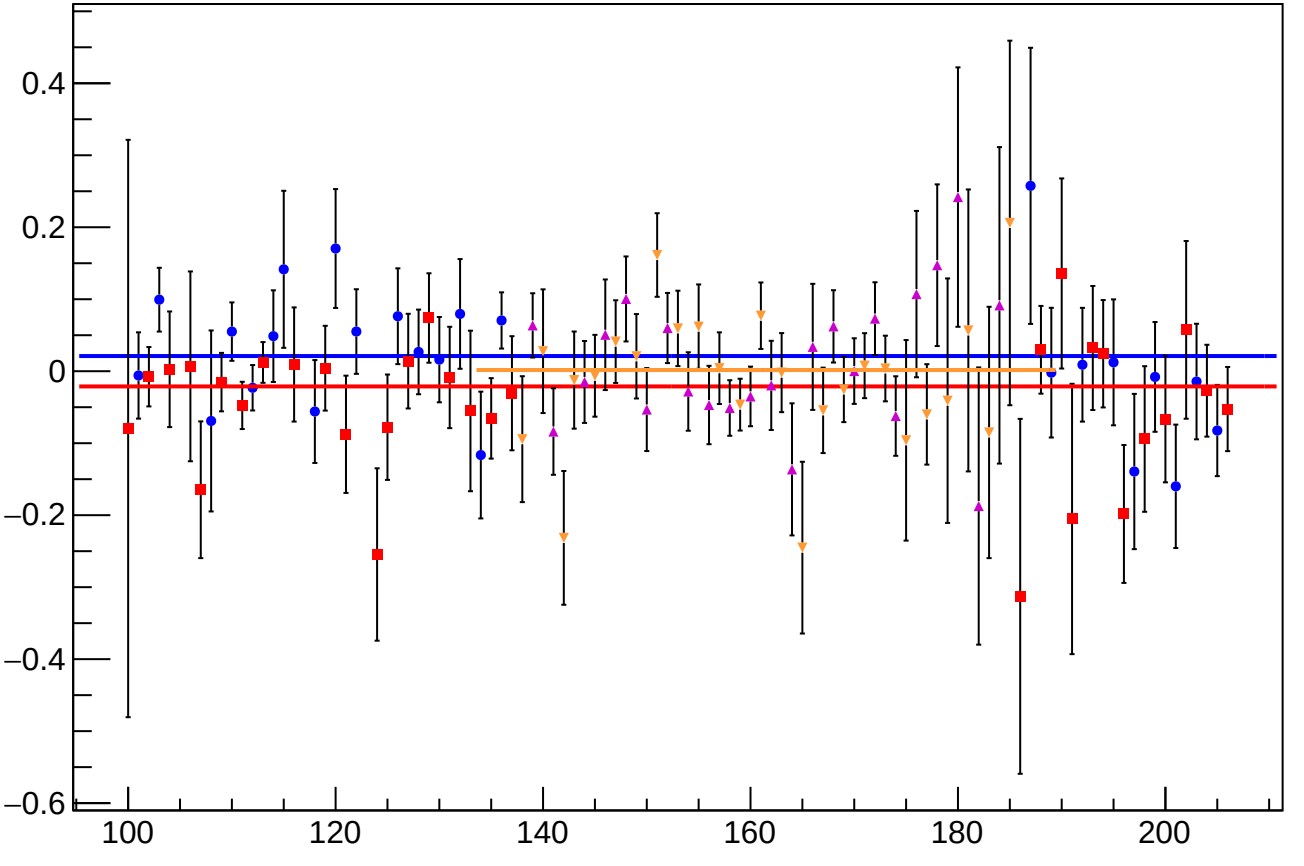
Right: 0.002+/-0.000 χ^2/NDF: 11810251.9/55

In: 0.002+/-0.000 χ^2/NDF:7163962.2/47

Out: 0.002+/-0.000 χ^2/NDF:11523009.2/55

All: 0.002+/-0.000 χ^2/NDF: 18791896.8/103

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

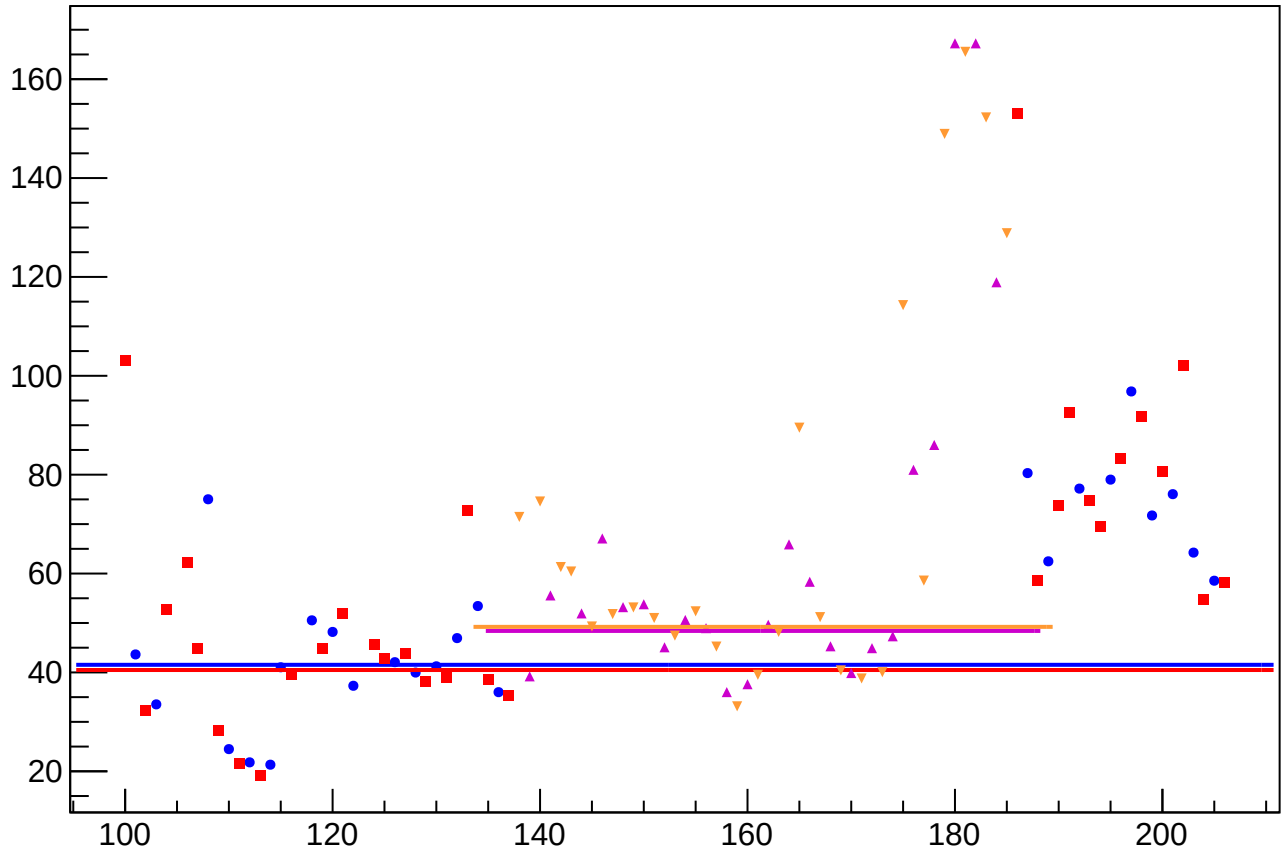
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: -0.002+/-0.008 χ^2/NDF: 59.0/55

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: 0.000+/-0.006 χ^2/NDF: 115.5/103



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

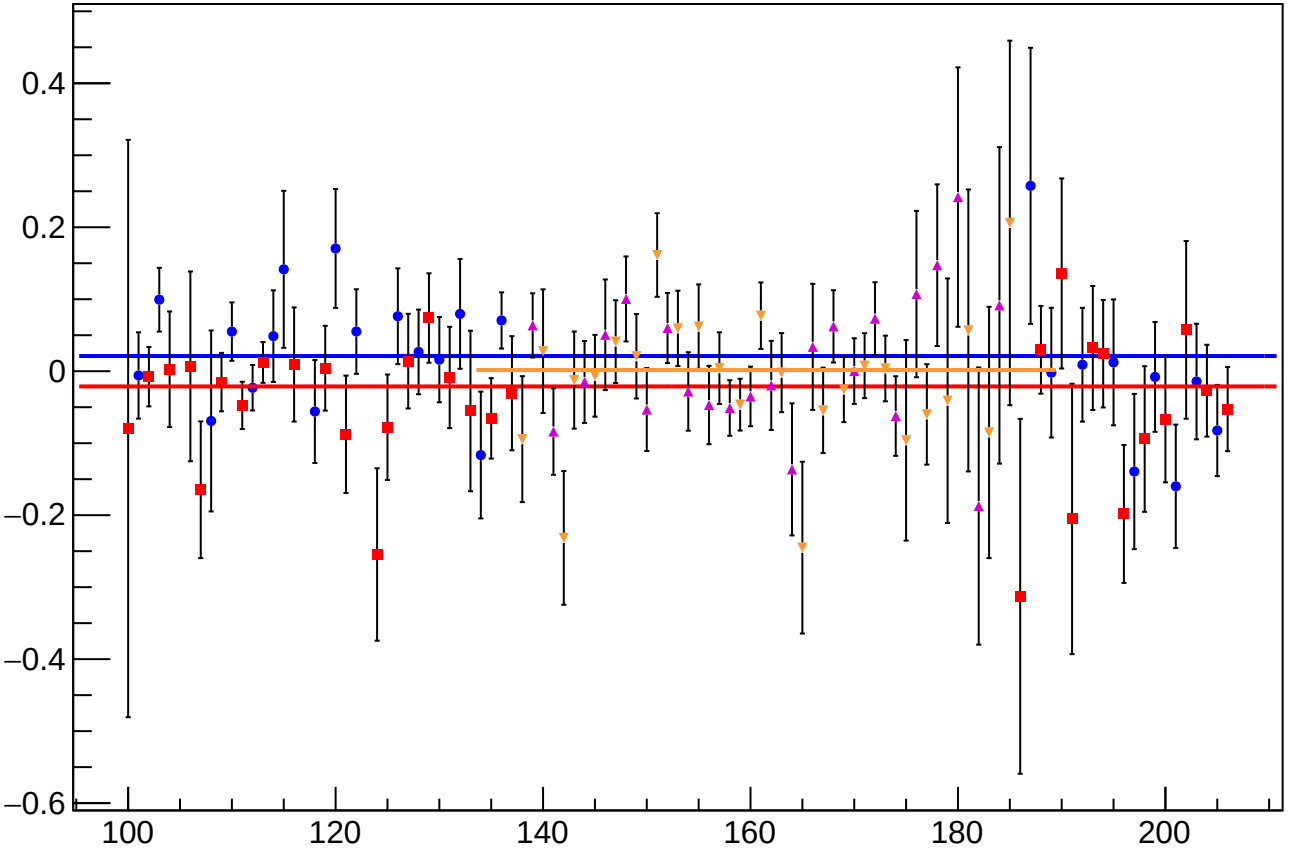
Right: 40.975+/-0.006 χ^2/NDF: 10195355.3/55

In: 44.996+/-0.006 χ^2/NDF:7458384.2/47

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.789+/-0.004 χ^2/NDF: 18232344.9/103

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

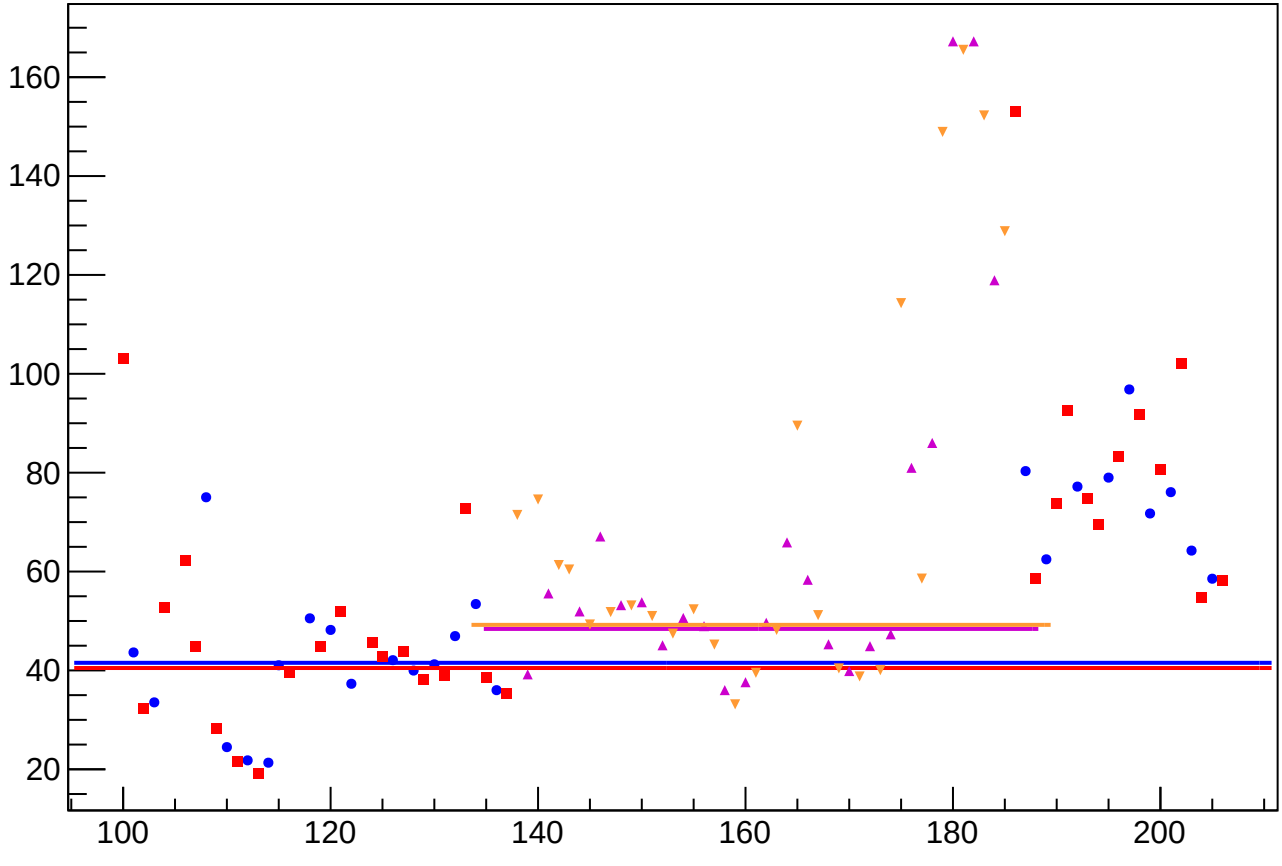
Right: -0.002+/-0.008 χ^2/NDF: 59.0/55

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: 0.000+/-0.006 χ^2/NDF: 115.5/103

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

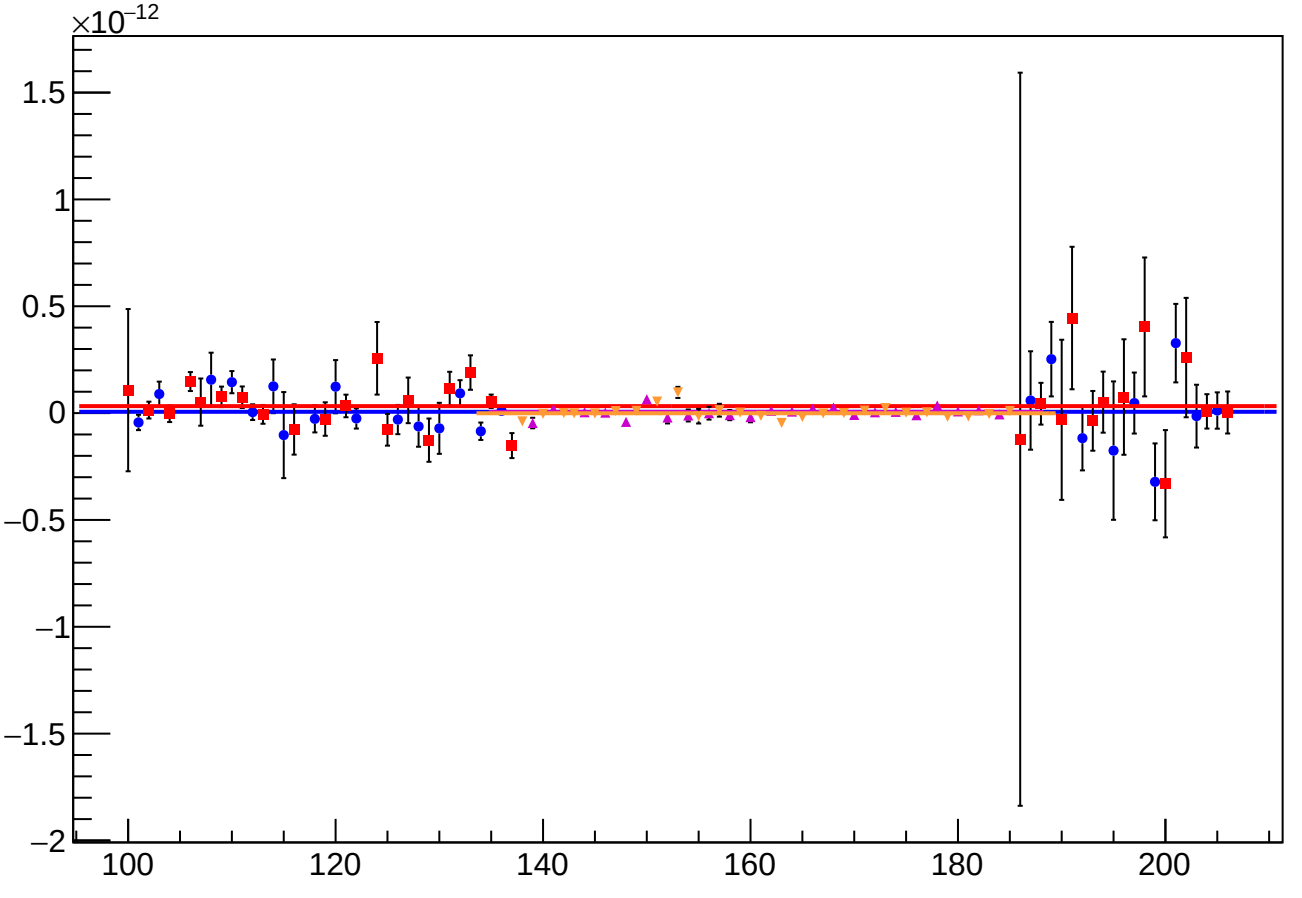
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 40.975+/-0.006 χ^2/NDF: 10195355.3/55

In: 44.996+/-0.006 χ^2/NDF:7458384.2/47

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.789+/-0.004 χ^2/NDF: 18232344.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

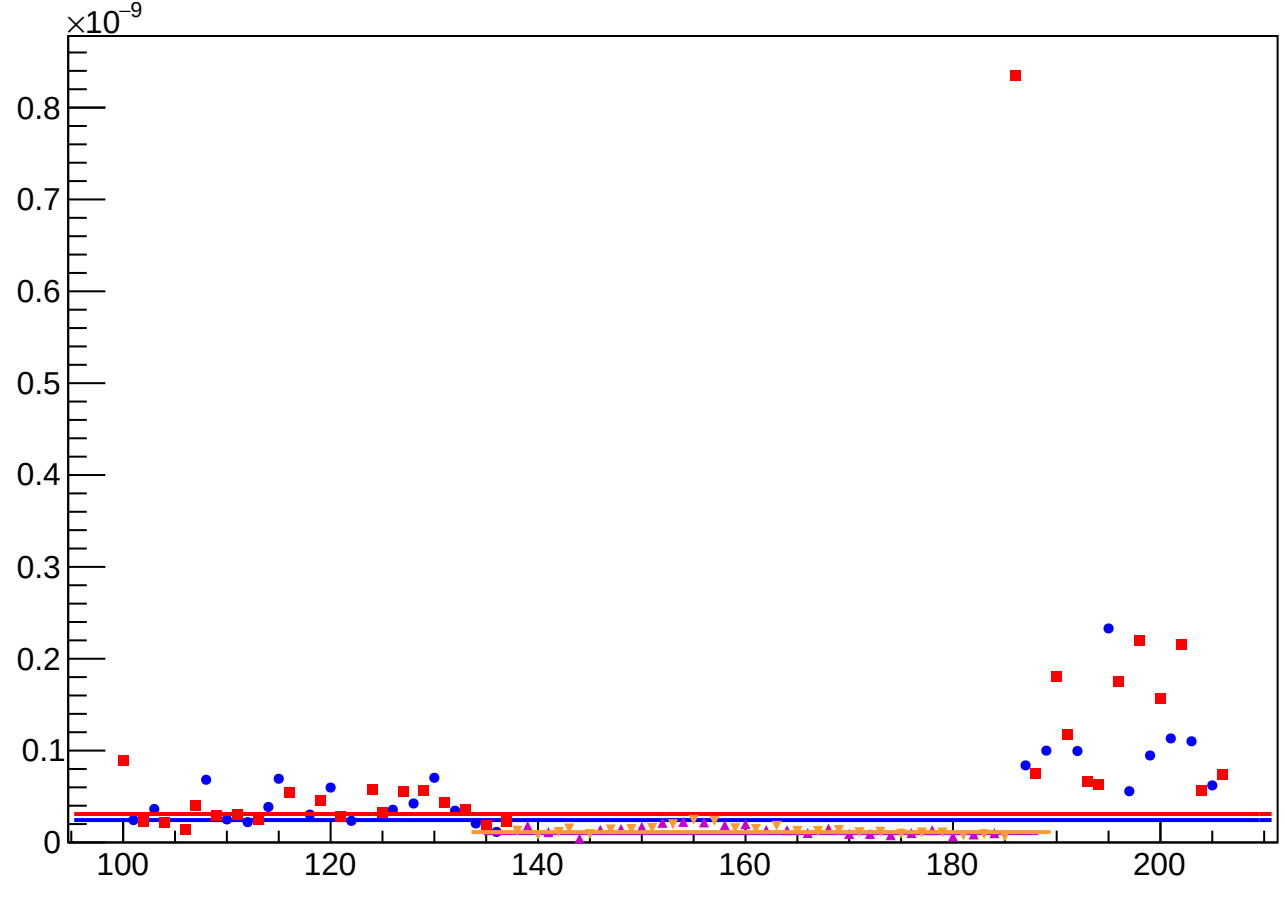
Right: 0.000+/-0.000 χ^2/NDF: 75.2/55

In: 0.000+/-0.000 χ^2/NDF:61.5/47

Out: 0.000+/-0.000 χ^2/NDF:83.2/55

All: 0.000+/-0.000 χ^2/NDF: 145.6/103

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6019724.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6186461.8/30

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

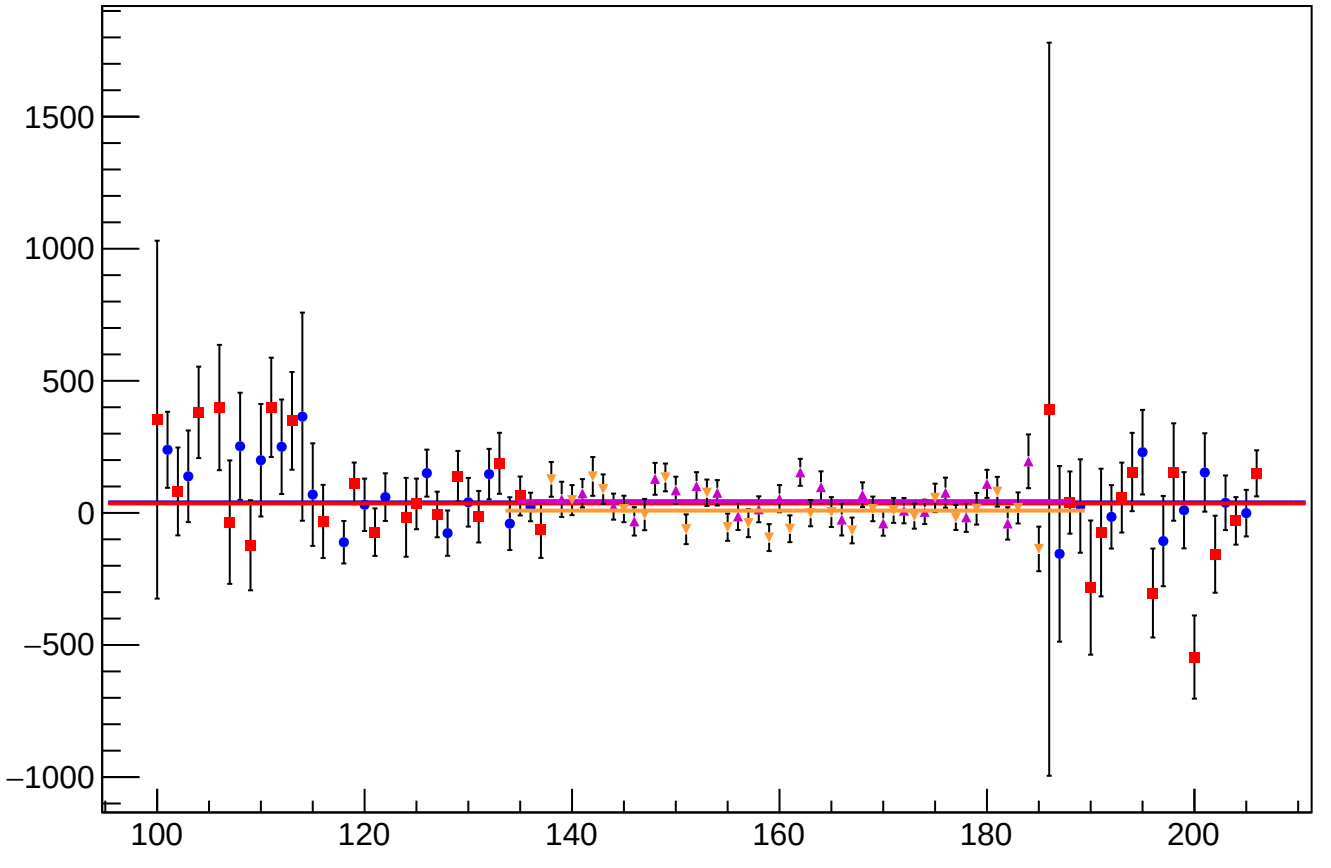
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12518531.7/55

In: 0.000+/-0.000 χ^2/NDF:13061285.4/47

Out: 0.000+/-0.000 χ^2/NDF:13035821.8/55

All: 0.000+/-0.000 χ^2/NDF: 26282925.1/103



Right In: 39.767+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 36.006+/-22.374 χ^2/NDF: 45.9/30

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

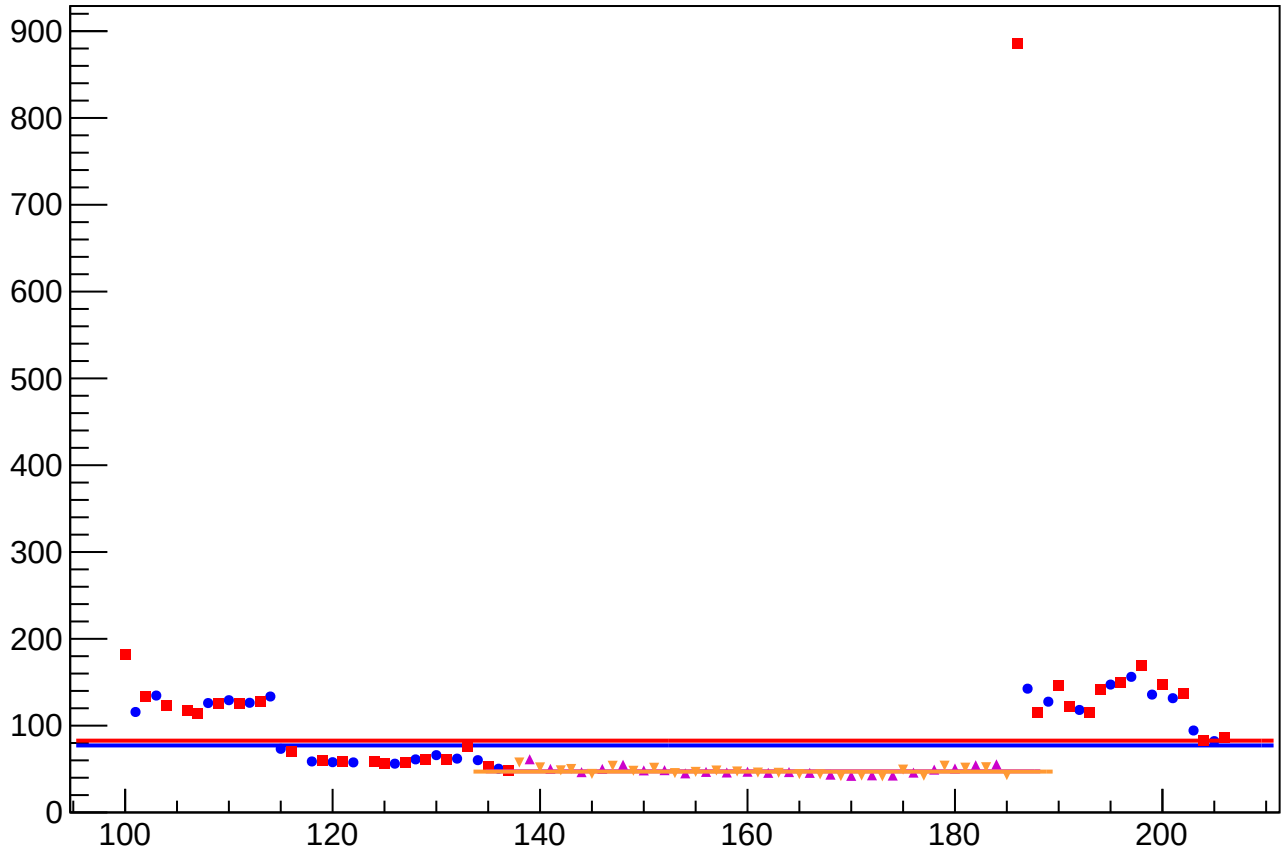
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.889+/-15.808 χ^2/NDF: 64.4/55

In: 43.589+/-9.975 χ^2/NDF:45.6/47

Out: 13.882+/-9.704 χ^2/NDF:81.7/55

All: 28.326+/-6.956 χ^2/NDF: 131.8/103



Right In: 77.191+/-0.016 χ^2/NDF: 3822267.6/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.715+/-0.016 χ^2/NDF: 4986987.2/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

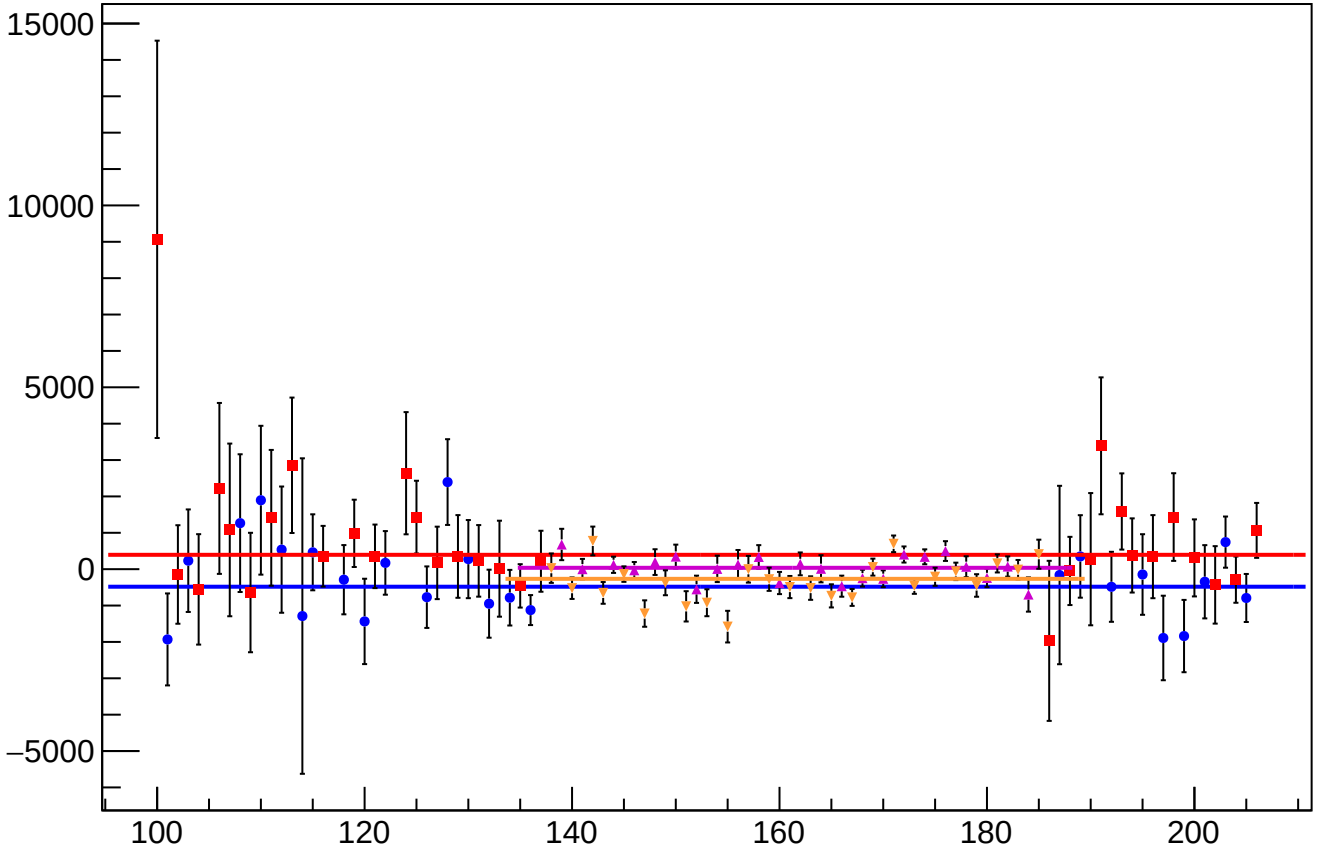
Right: 79.949+/-0.011 χ^2/NDF: 8870308.5/55

In: 53.327+/-0.007 χ^2/NDF:6944212.6/47

Out: 53.771+/-0.007 χ^2/NDF:9397499.3/55

All: 53.555+/-0.005 χ^2/NDF: 16343740.4/103

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -482.253+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 394.821+/-194.359 χ^2/NDF: 20.2/30

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

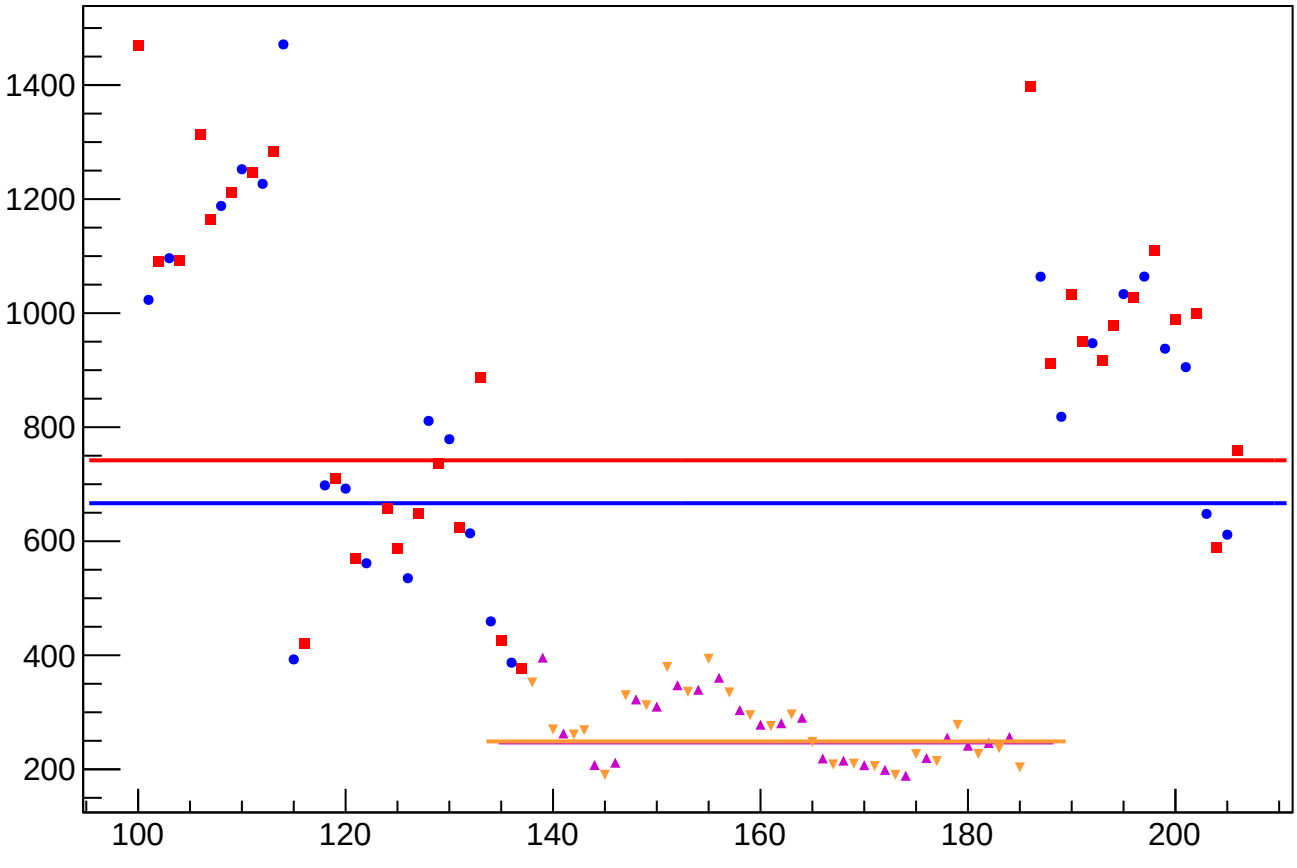
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -53.696+/-135.860 χ^2/NDF: 53.6/55

In: -8.415+/-56.484 χ^2/NDF:56.3/47

Out: -211.620+/-55.606 χ^2/NDF:100.6/55

All: -111.611+/-39.626 χ^2/NDF: 163.6/103



Right In: 666.678+/-0.134 χ^2/NDF: 3269171.4/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 741.887+/-0.137 χ^2/NDF: 3512791.1/30

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

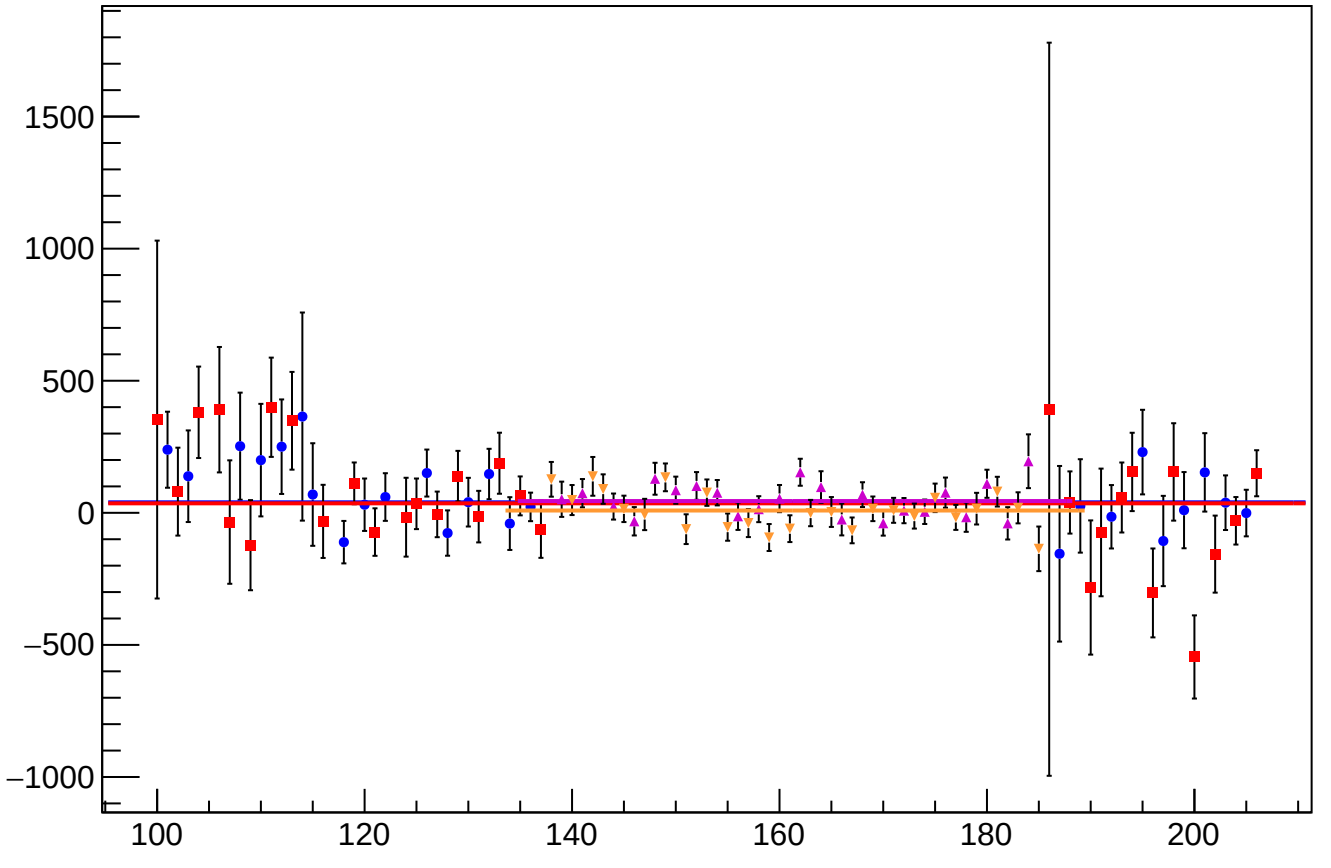
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 703.426+/-0.096 χ^2/NDF: 6935107.0/55

In: 284.196+/-0.040 χ^2/NDF:13645720.7/47

Out: 289.243+/-0.039 χ^2/NDF:16991142.9/55

All: 286.759+/-0.028 χ^2/NDF: 30644974.1/10



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 35.904+/-22.374 χ^2/NDF: 45.8/30

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

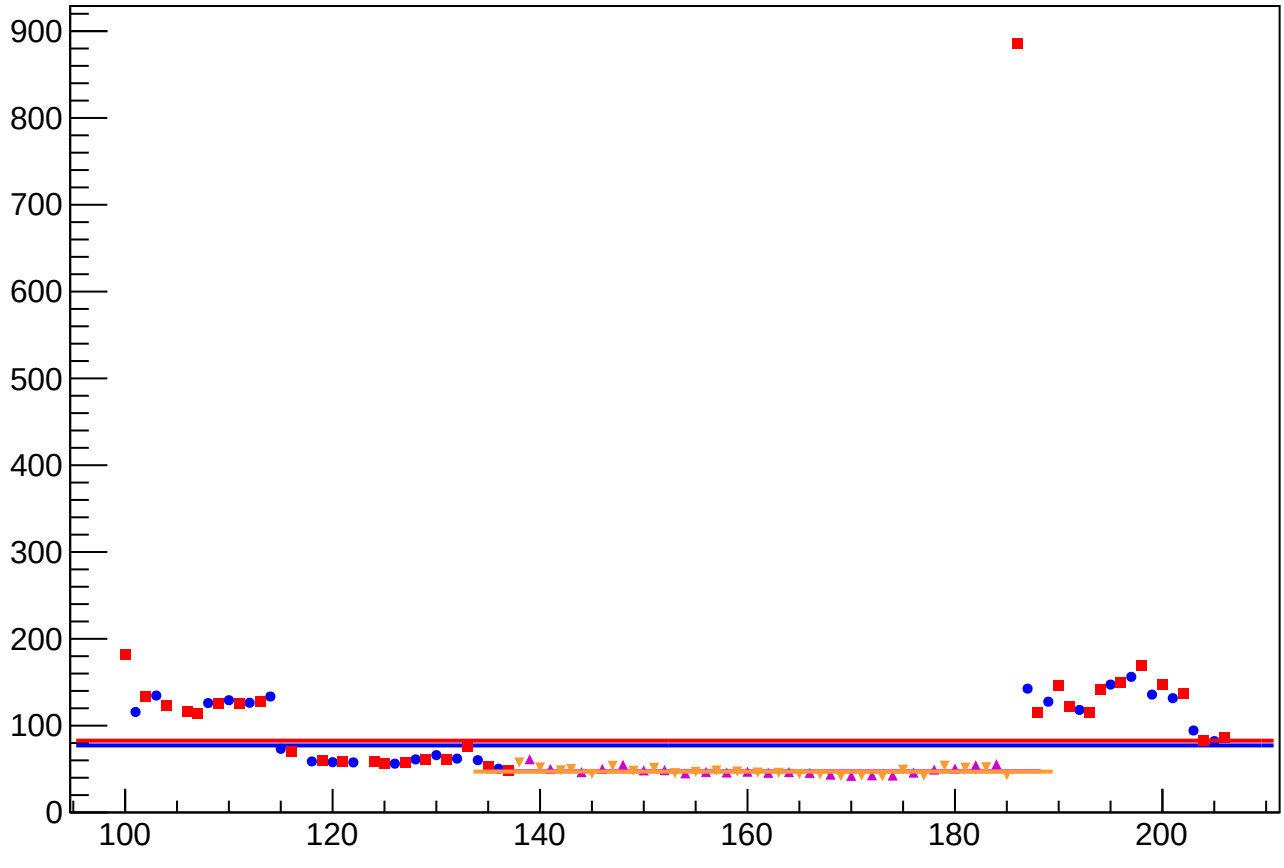
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.834+/-15.808 χ^2/NDF: 64.3/55

In: 43.587+/-9.975 χ^2/NDF:45.6/47

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 28.316+/-6.956 χ^2/NDF: 131.7/103



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

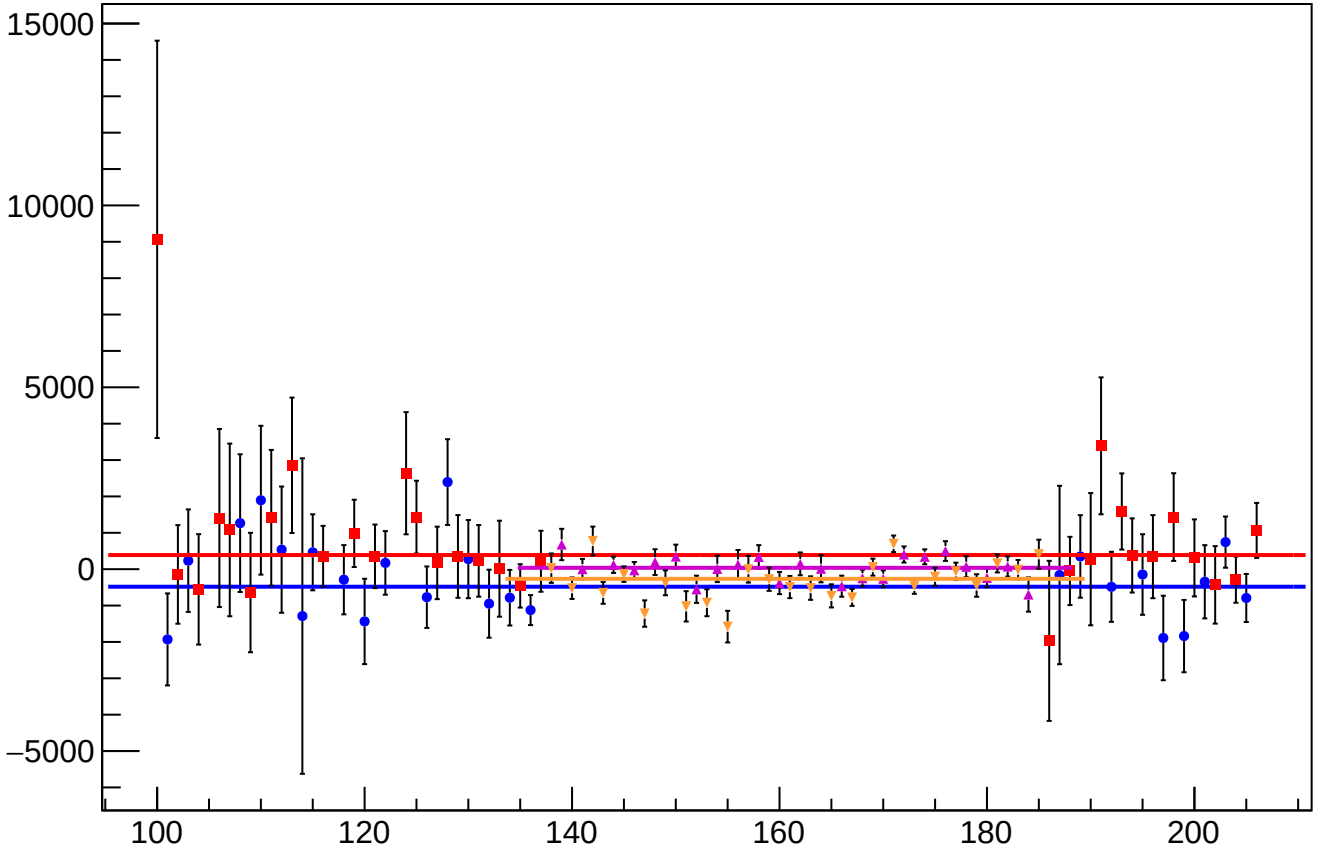
Right: 79.944+/-0.011 χ^2/NDF: 8867849.1/55

In: 53.327+/-0.007 χ^2/NDF:6944214.7/47

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.554+/-0.005 χ^2/NDF: 16339160.3/103

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

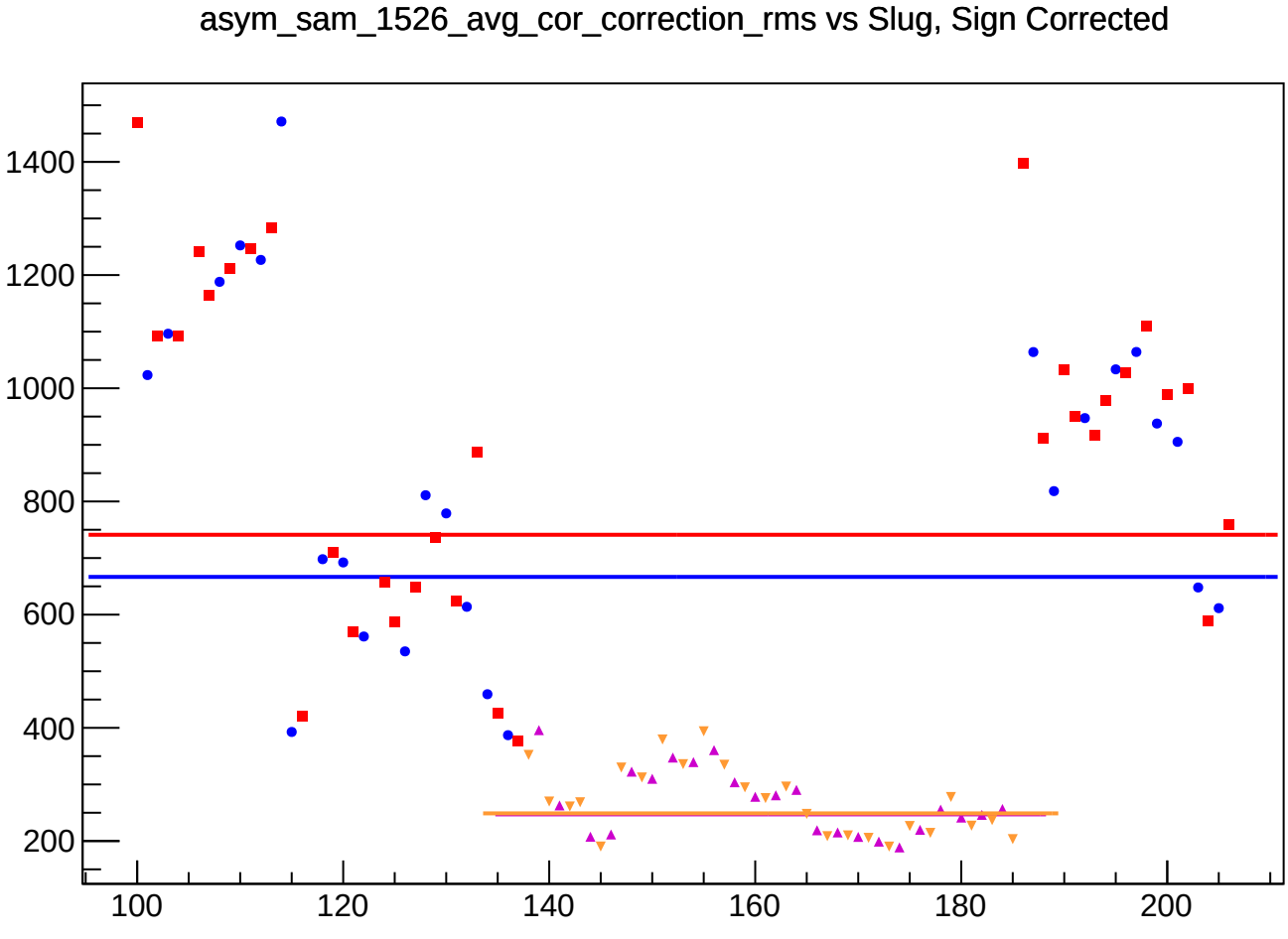
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -56.769+/-135.879 χ^2/NDF: 53.0/55

In: -8.417+/-56.484 χ^2/NDF:56.3/47

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -111.873+/-39.627 χ^2/NDF: 163.0/103



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

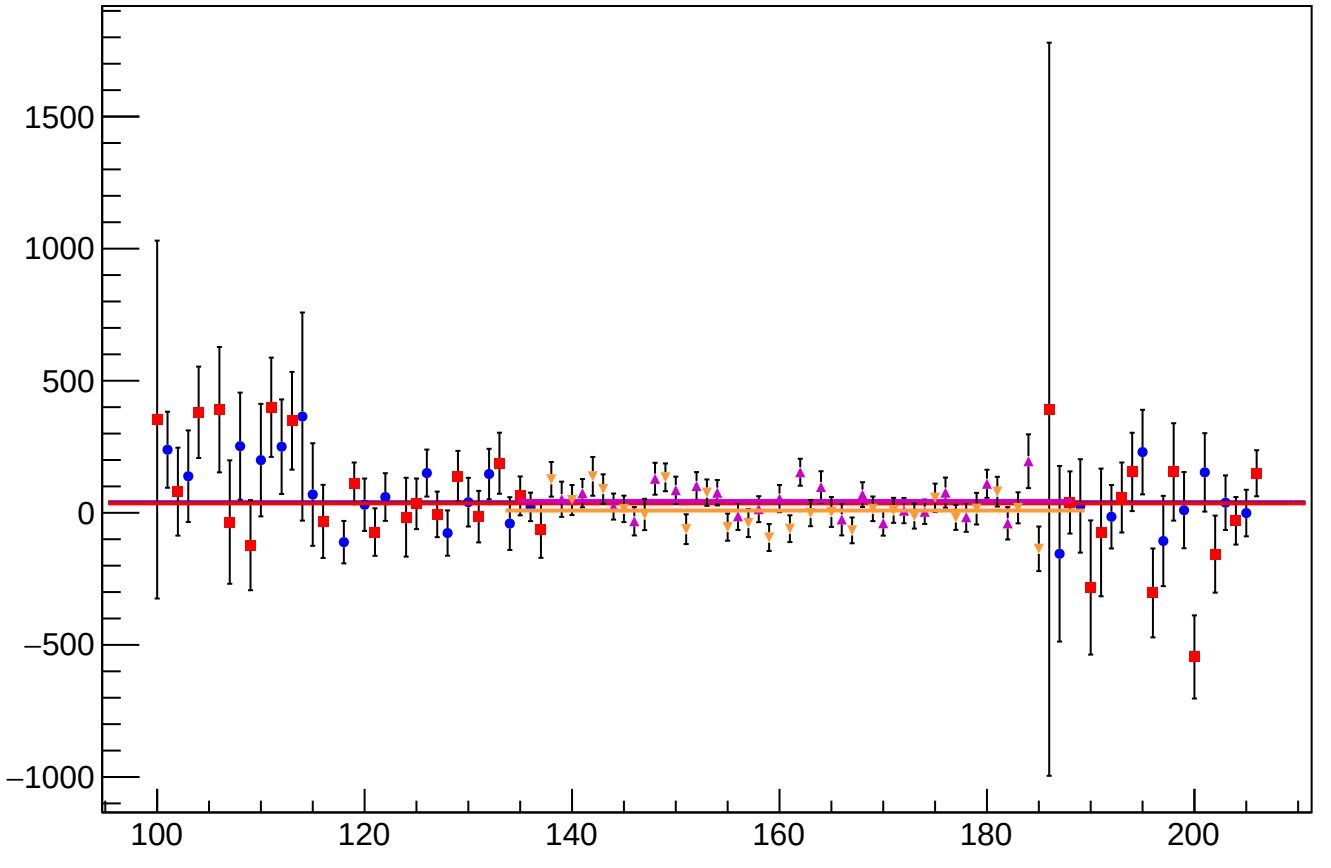
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 703.047+/-0.096 χ^2/NDF: 6897410.2/55

In: 284.196+/-0.040 χ^2/NDF:13645733.7/47

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 286.717+/-0.028 χ^2/NDF: 30567793.2/10



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 35.904+/-22.374 χ^2/NDF: 45.8/30

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

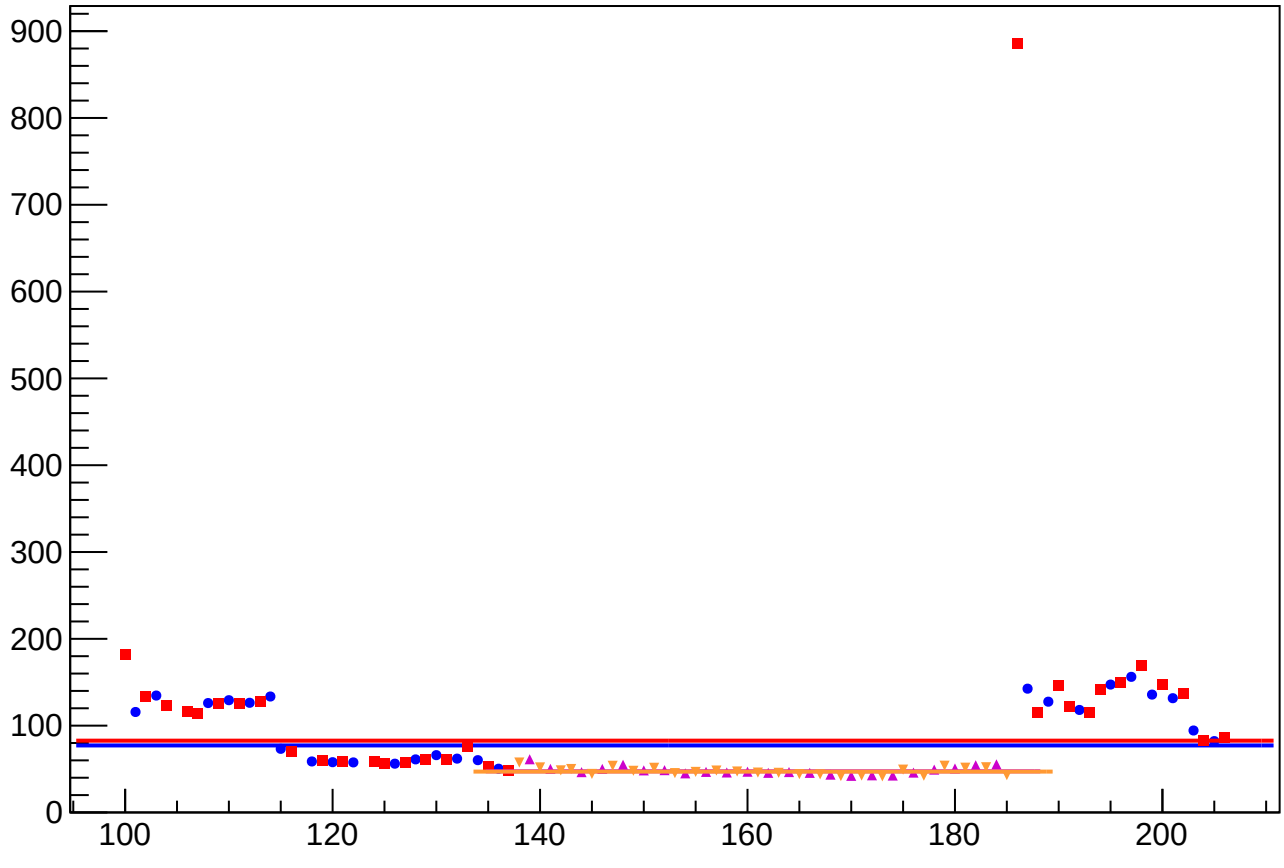
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.834+/-15.808 χ^2/NDF: 64.3/55

In: 43.587+/-9.975 χ^2/NDF:45.6/47

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 28.316+/-6.956 χ^2/NDF: 131.7/103



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

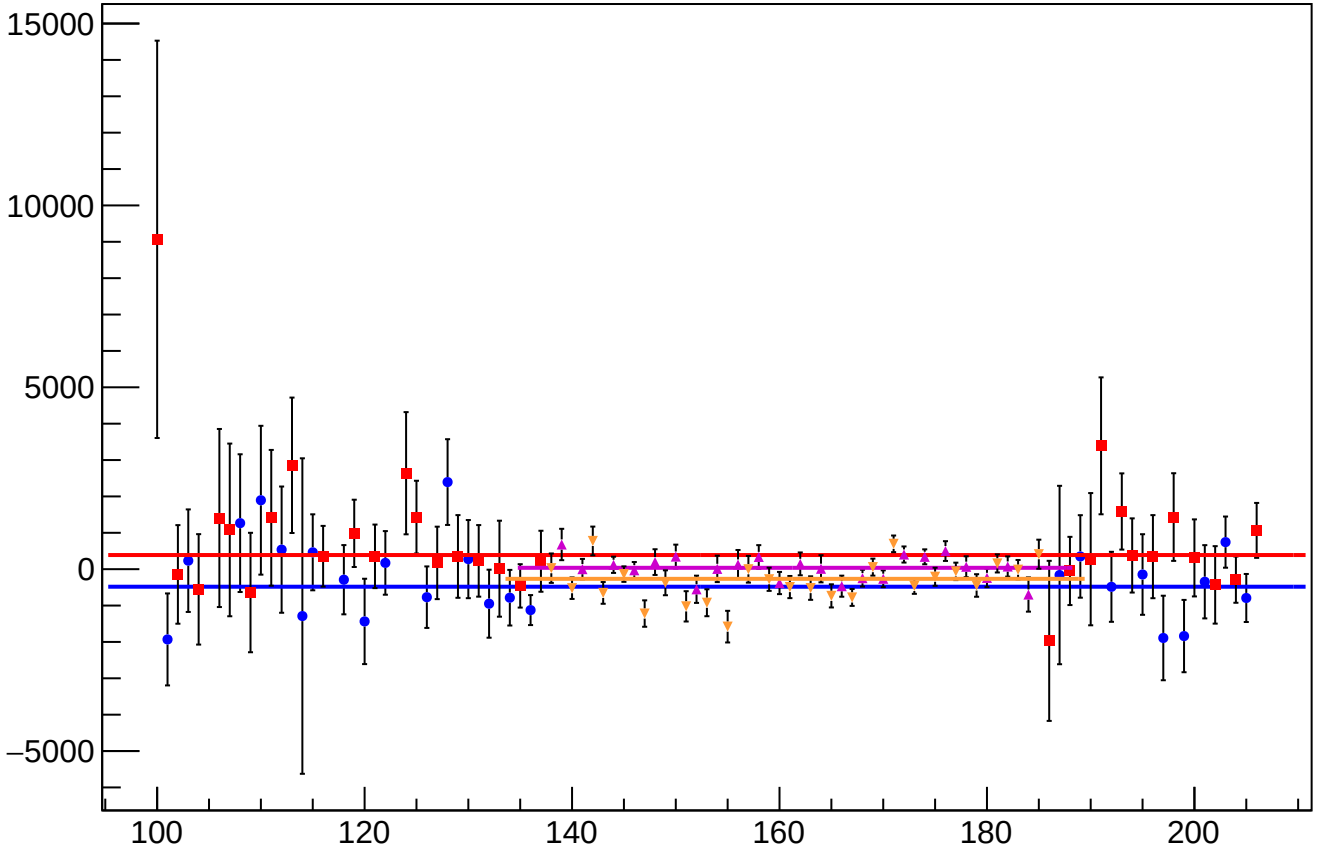
Right: 79.944+/-0.011 χ^2/NDF: 8867849.1/55

In: 53.327+/-0.007 χ^2/NDF:6944214.7/47

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.554+/-0.005 χ^2/NDF: 16339160.3/103

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

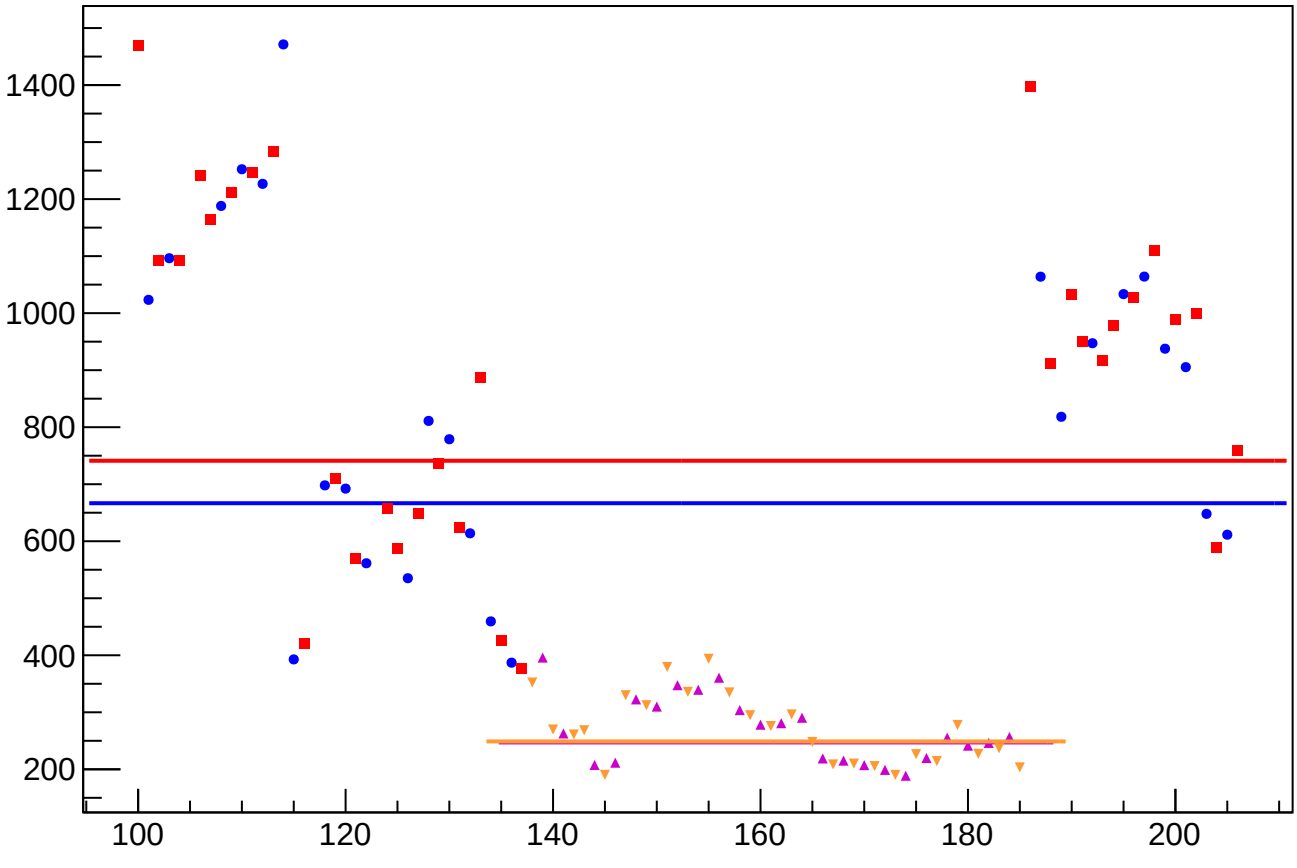
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -56.769+/-135.879 χ^2/NDF: 53.0/55

In: -8.417+/-56.484 χ^2/NDF:56.3/47

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -111.873+/-39.627 χ^2/NDF: 163.0/103



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

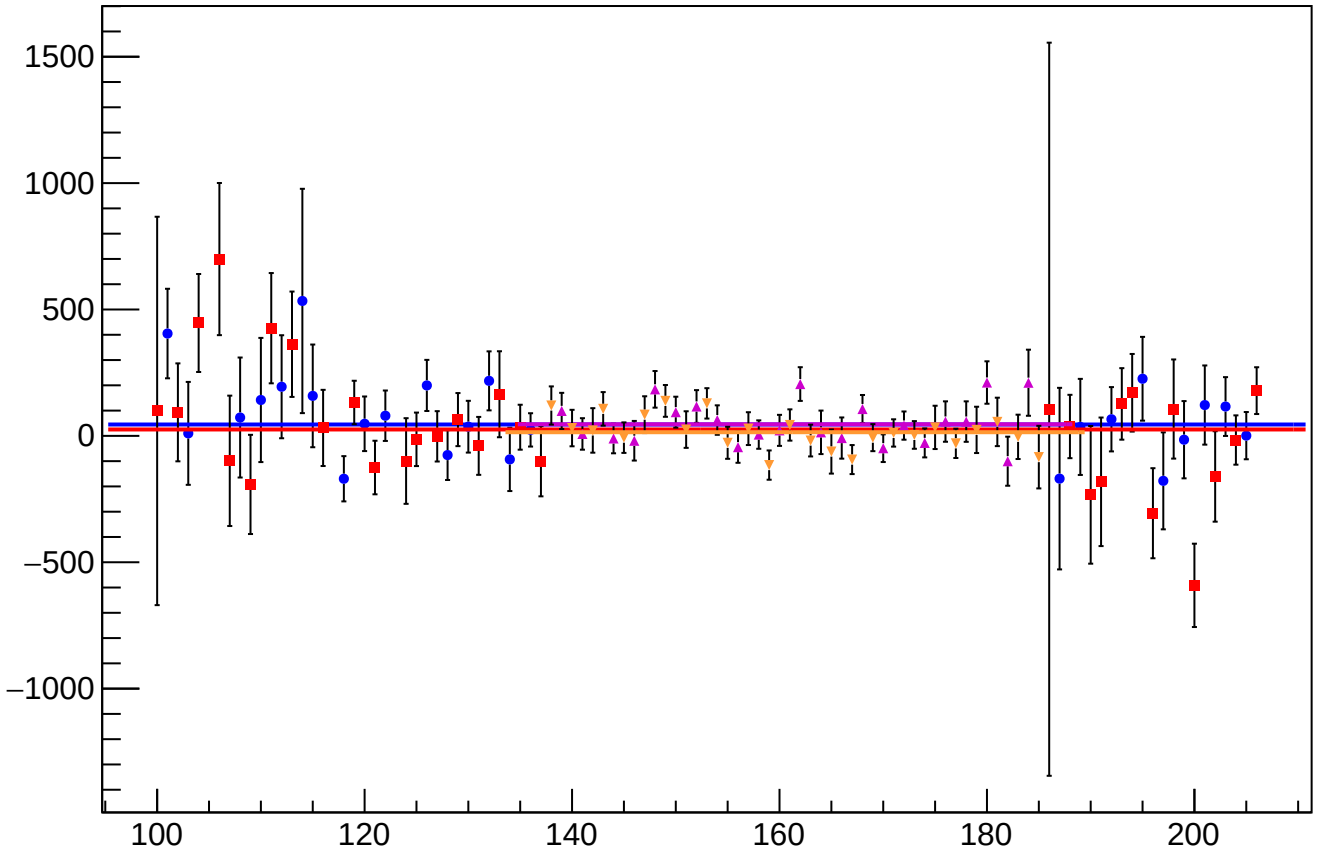
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 703.047+/-0.096 χ^2/NDF: 6897410.2/55

In: 284.196+/-0.040 χ^2/NDF:13645733.7/47

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 286.717+/-0.028 χ^2/NDF: 30567793.2/10



Right In: 44.981+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 25.343+/-25.343 χ^2/NDF: 48.2/30

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

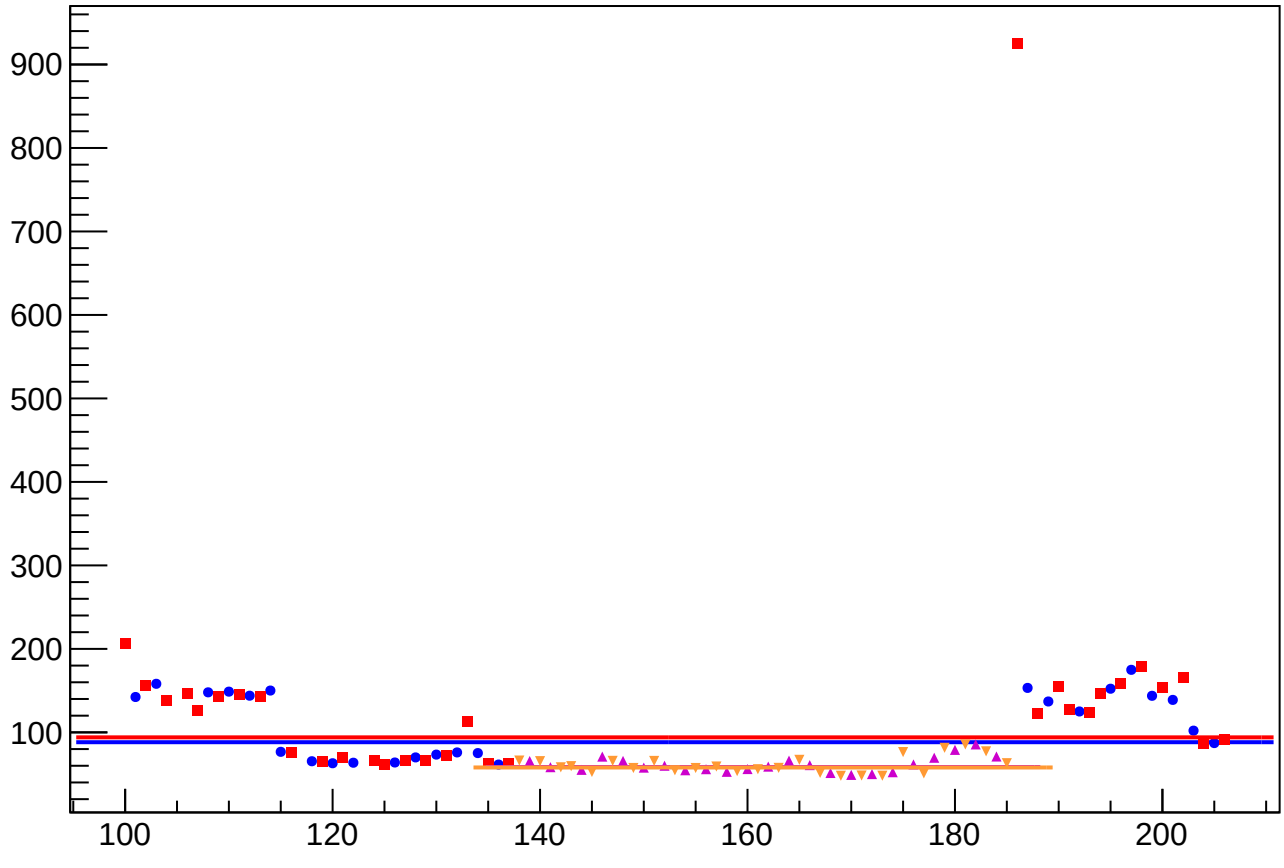
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 35.142+/-17.938 χ^2/NDF: 72.1/55

In: 45.615+/-12.214 χ^2/NDF:54.3/47

Out: 16.883+/-11.883 χ^2/NDF:72.9/55

All: 30.855+/-8.517 χ^2/NDF: 130.0/103



Right In: 88.217+/-0.018 χ^2/NDF: 3399421.1/24

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.028+/-0.018 χ^2/NDF: 4561271.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

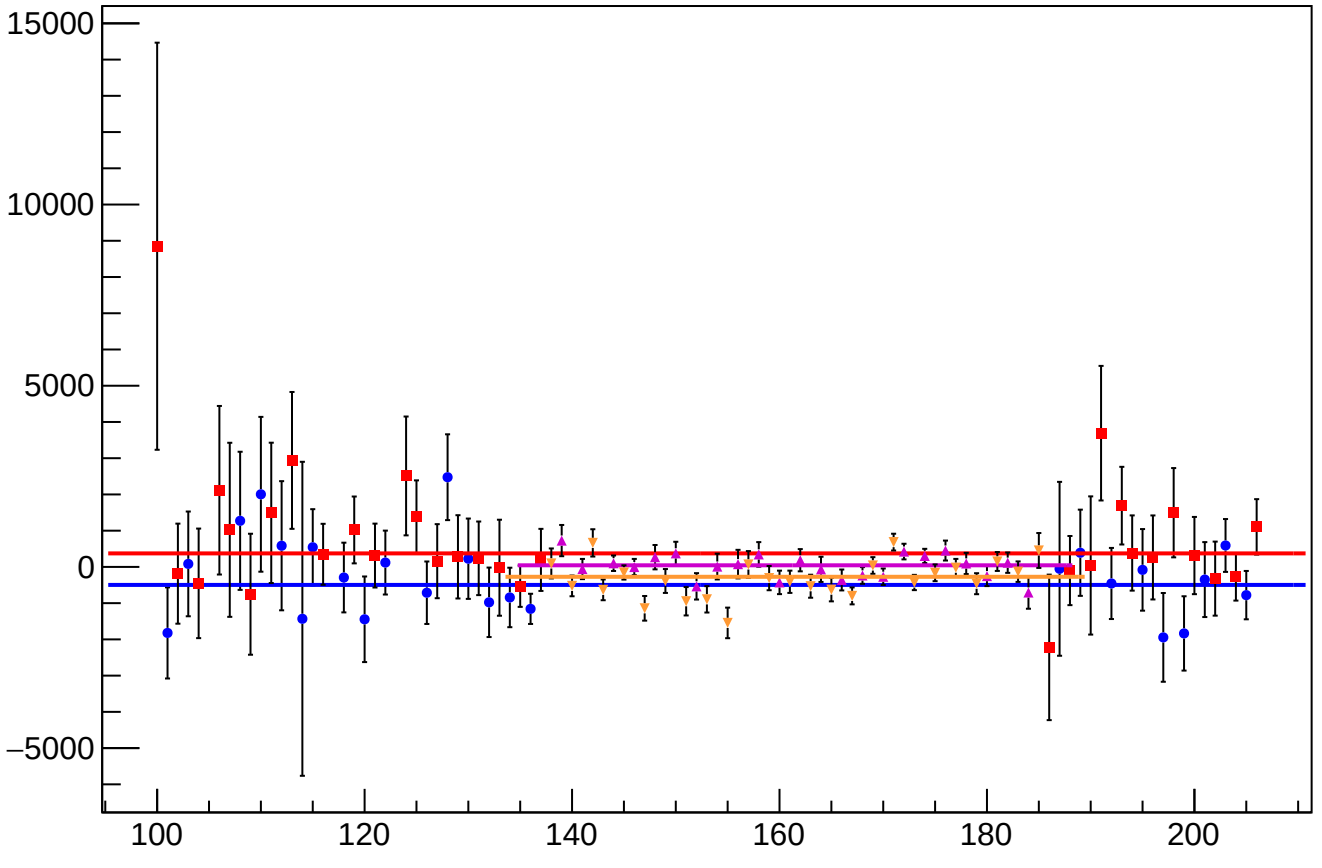
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 91.129+/-0.013 χ^2/NDF: 8013159.9/55

In: 65.359+/-0.009 χ^2/NDF:6157580.8/47

Out: 65.894+/-0.008 χ^2/NDF:8617521.6/55

All: 65.634+/-0.006 χ^2/NDF: 14777079.7/103



Right In: -496.772+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 373.173+/-195.492 χ^2/NDF: 21.8/30

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

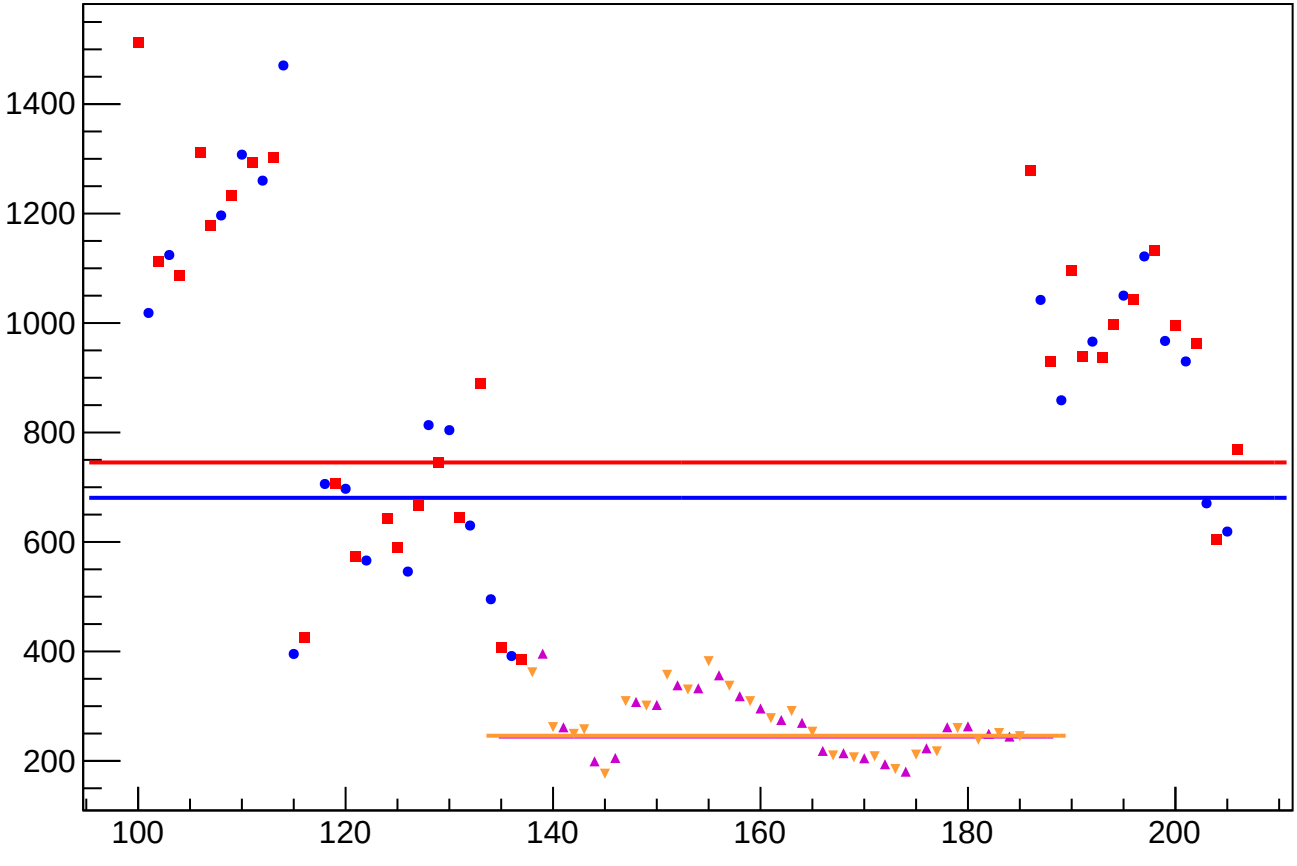
Right: -65.037+/-137.718 χ^2/NDF: 53.8/55

In: -0.711+/-56.110 χ^2/NDF:55.7/47

Out: -221.473+/-54.964 χ^2/NDF:97.6/55

All: -113.370+/-39.264 χ^2/NDF: 161.2/103

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 680.667+/-0.137 χ^2/NDF: 3306221.9/24

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.277+/-0.138 χ^2/NDF: 3615576.4/30

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

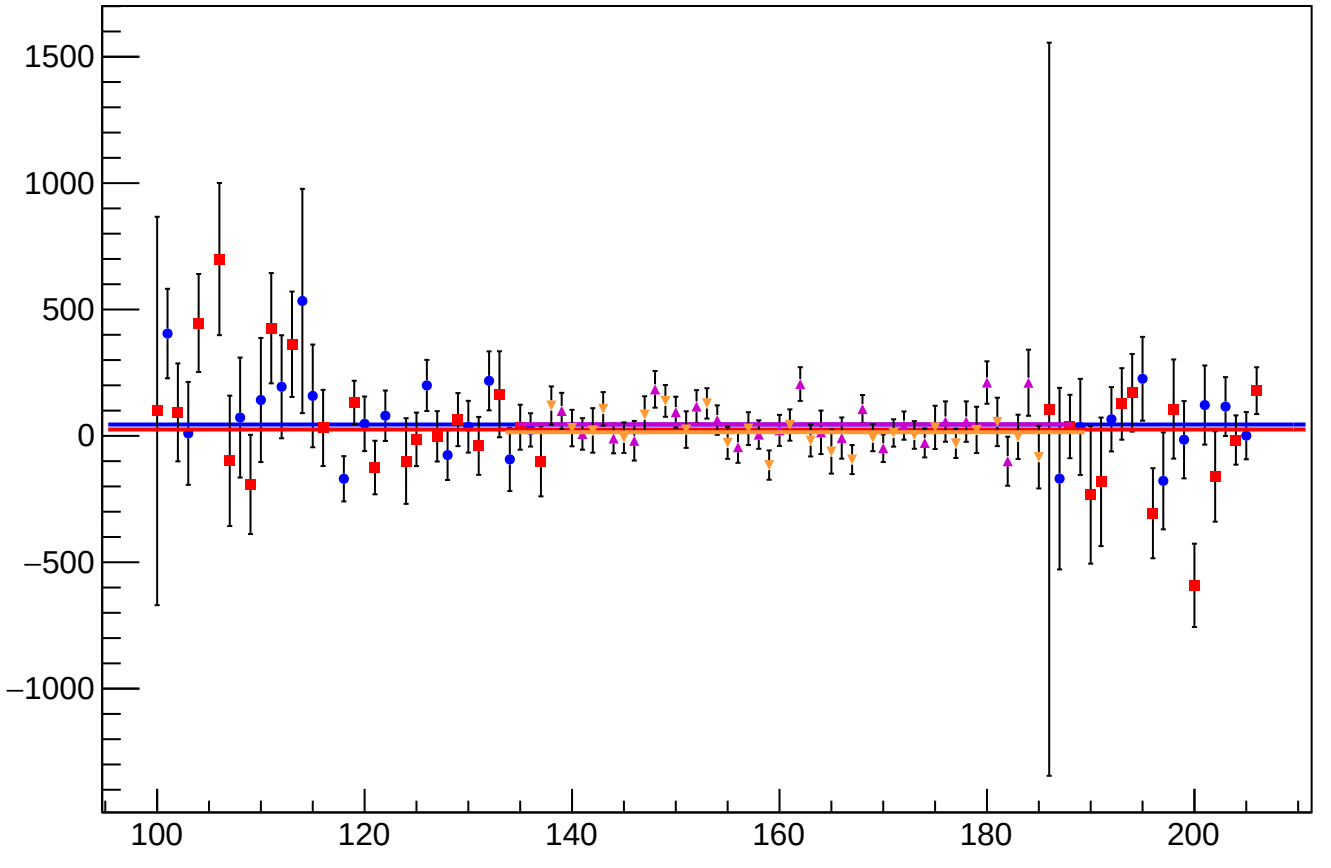
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 712.731+/-0.097 χ^2/NDF: 7031841.6/55

In: 280.925+/-0.040 χ^2/NDF:14165537.9/47

Out: 285.483+/-0.039 χ^2/NDF:17309459.6/55

All: 283.251+/-0.028 χ^2/NDF: 31481731.5/10



Right In: 44.982+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 25.343+/-25.343 χ^2/NDF: 48.2/30

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

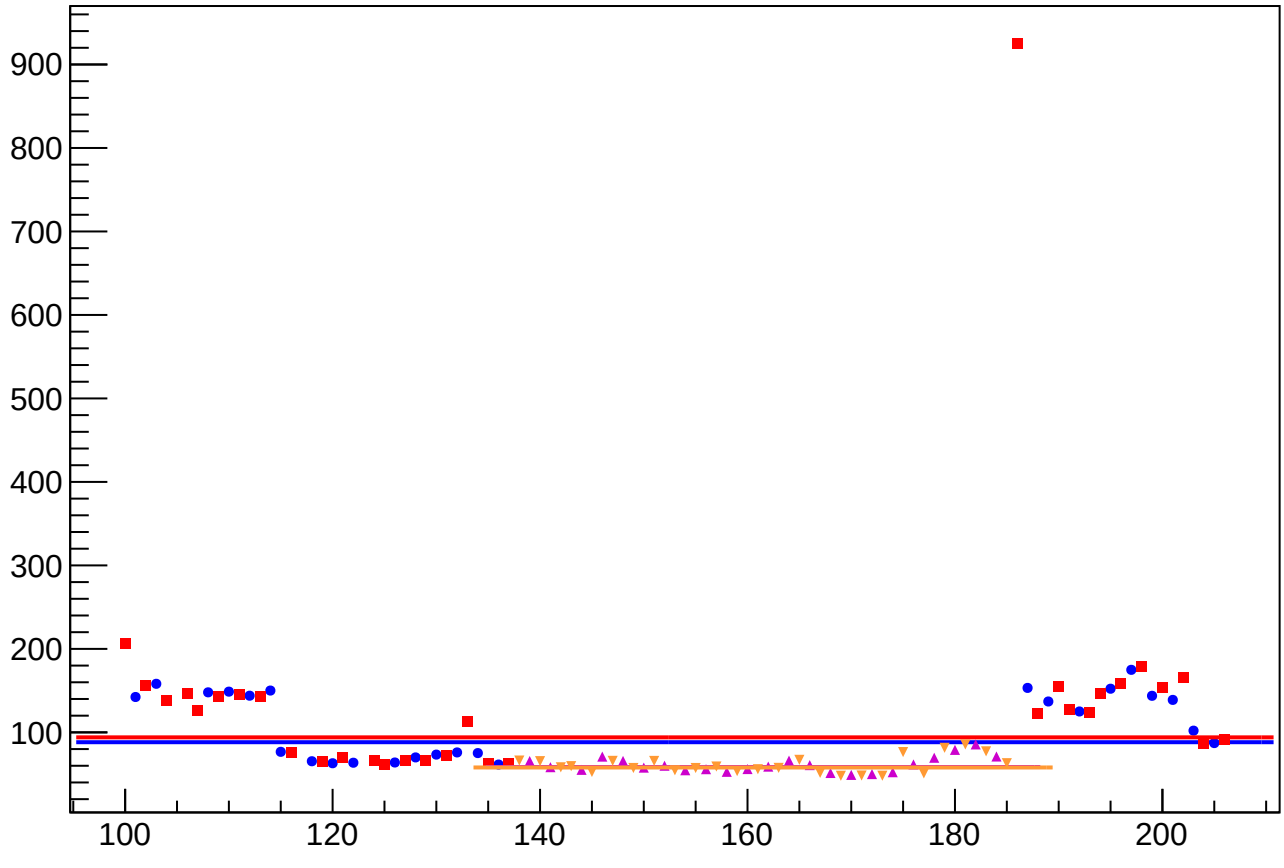
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 35.143+/-17.938 χ^2/NDF: 72.1/55

In: 45.615+/-12.214 χ^2/NDF:54.3/47

Out: 16.882+/-11.883 χ^2/NDF:72.9/55

All: 30.855+/-8.517 χ^2/NDF: 130.0/103



Right In: 88.217+/-0.018 χ^2/NDF: 3399423.6/24

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.028+/-0.018 χ^2/NDF: 4561285.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

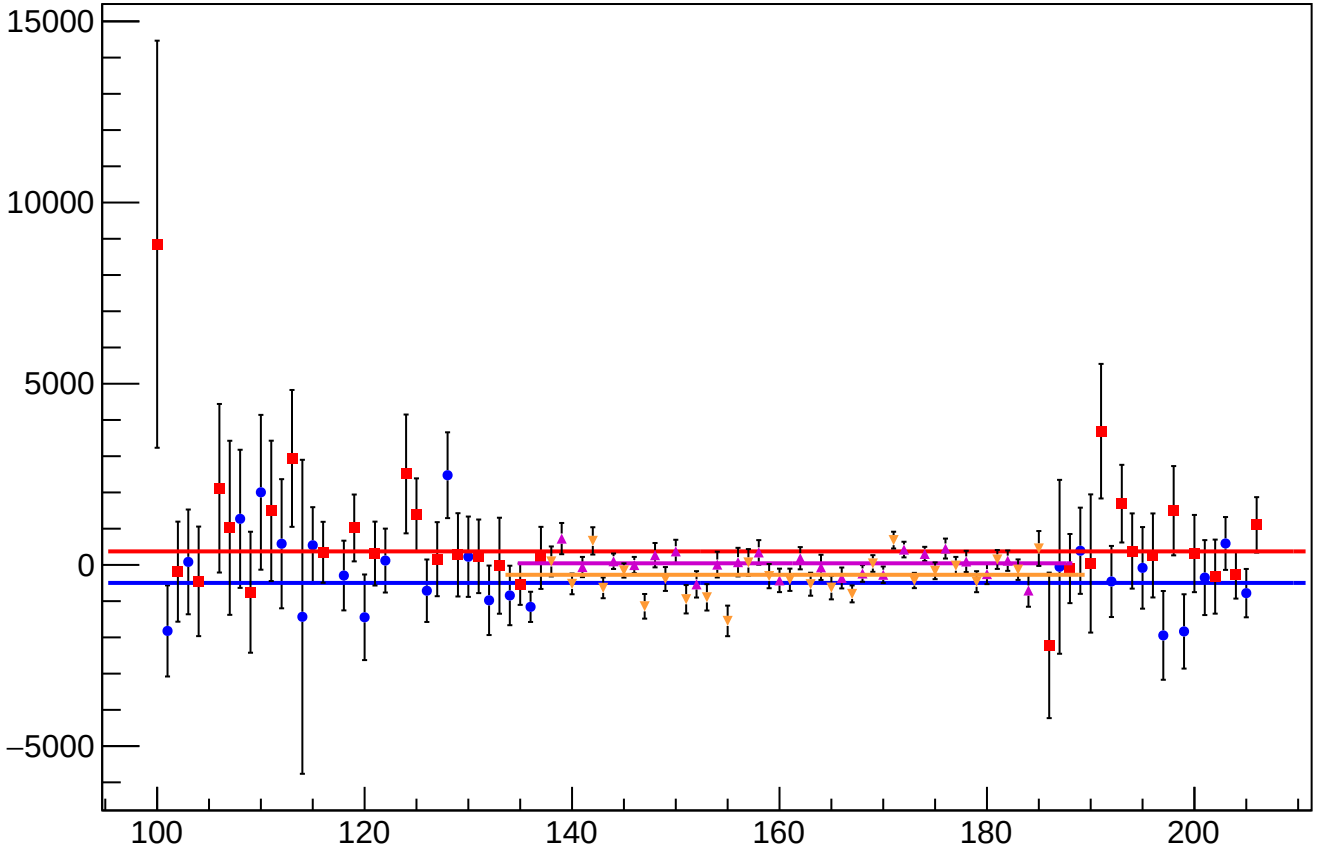
Right: 91.128+/-0.013 χ^2/NDF: 8013177.7/55

In: 65.359+/-0.009 χ^2/NDF:6157515.4/47

Out: 65.894+/-0.008 χ^2/NDF:8617489.2/55

All: 65.634+/-0.006 χ^2/NDF: 14776981.5/103

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -496.770+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 373.174+/-195.492 χ^2/NDF: 21.8/30

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

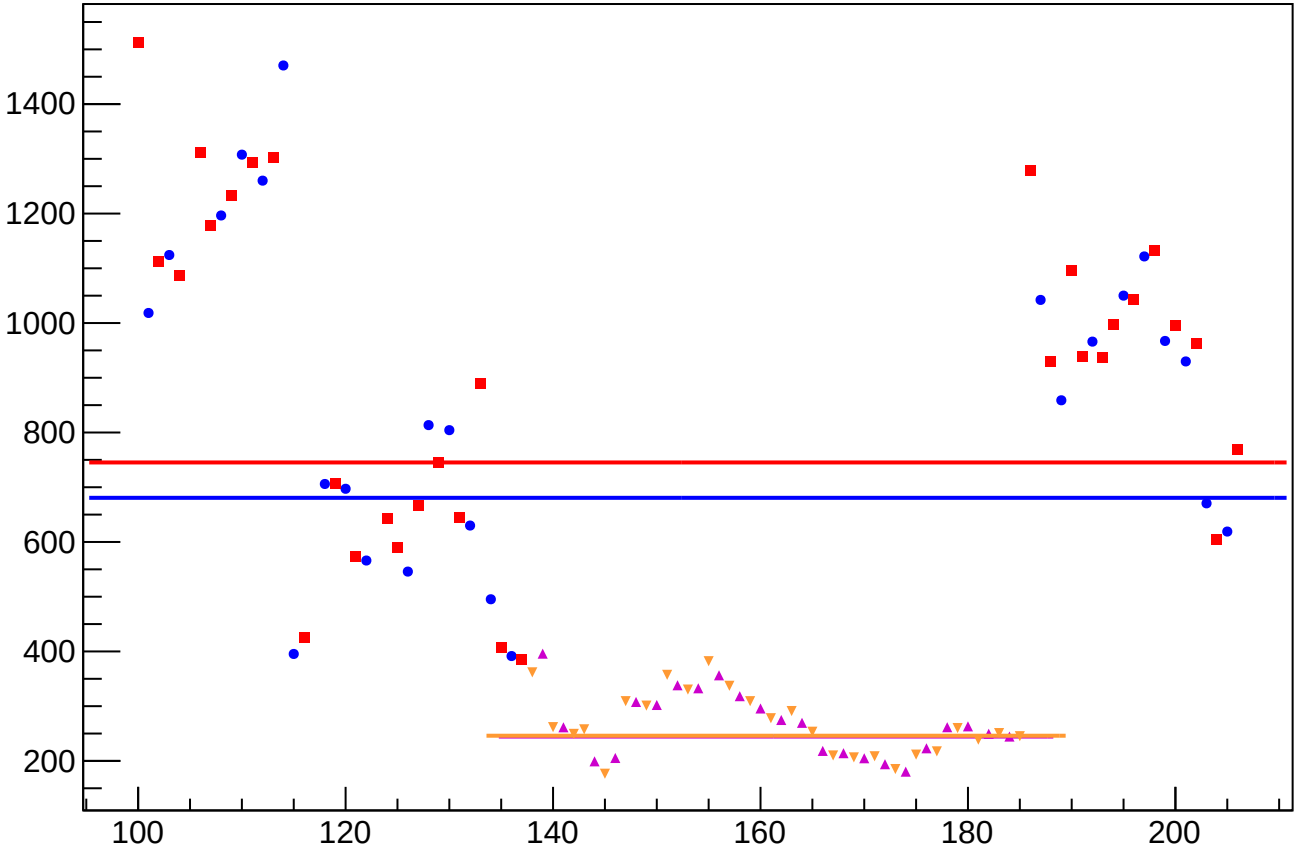
Right: -65.036+/-137.718 χ^2/NDF: 53.8/55

In: -0.711+/-56.110 χ^2/NDF:55.7/47

Out: -221.472+/-54.964 χ^2/NDF:97.6/55

All: -113.370+/-39.264 χ^2/NDF: 161.2/103

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 680.666+/-0.137 χ^2/NDF: 3306205.0/24

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.276+/-0.138 χ^2/NDF: 3615557.4/30

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

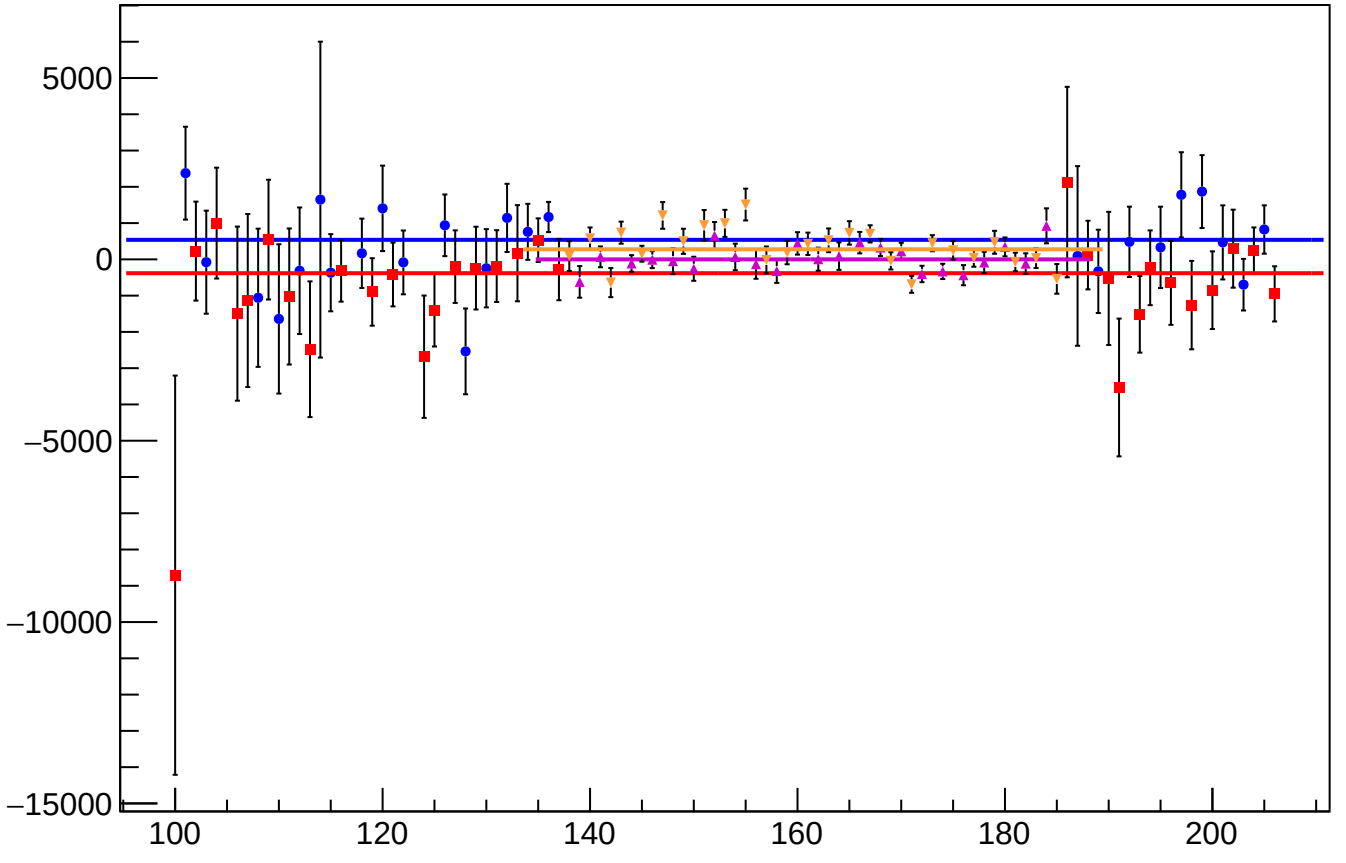
Right: 712.731+/-0.097 χ^2/NDF: 7031805.9/55

In: 280.925+/-0.040 χ^2/NDF:14165524.1/47

Out: 285.482+/-0.039 χ^2/NDF:17309467.7/55

All: 283.250+/-0.028 χ^2/NDF: 31481725.2/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 538.632+/-191.742 χ^2/NDF: 23.3/24

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -381.425+/-196.188 χ^2/NDF: 18.9/30

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

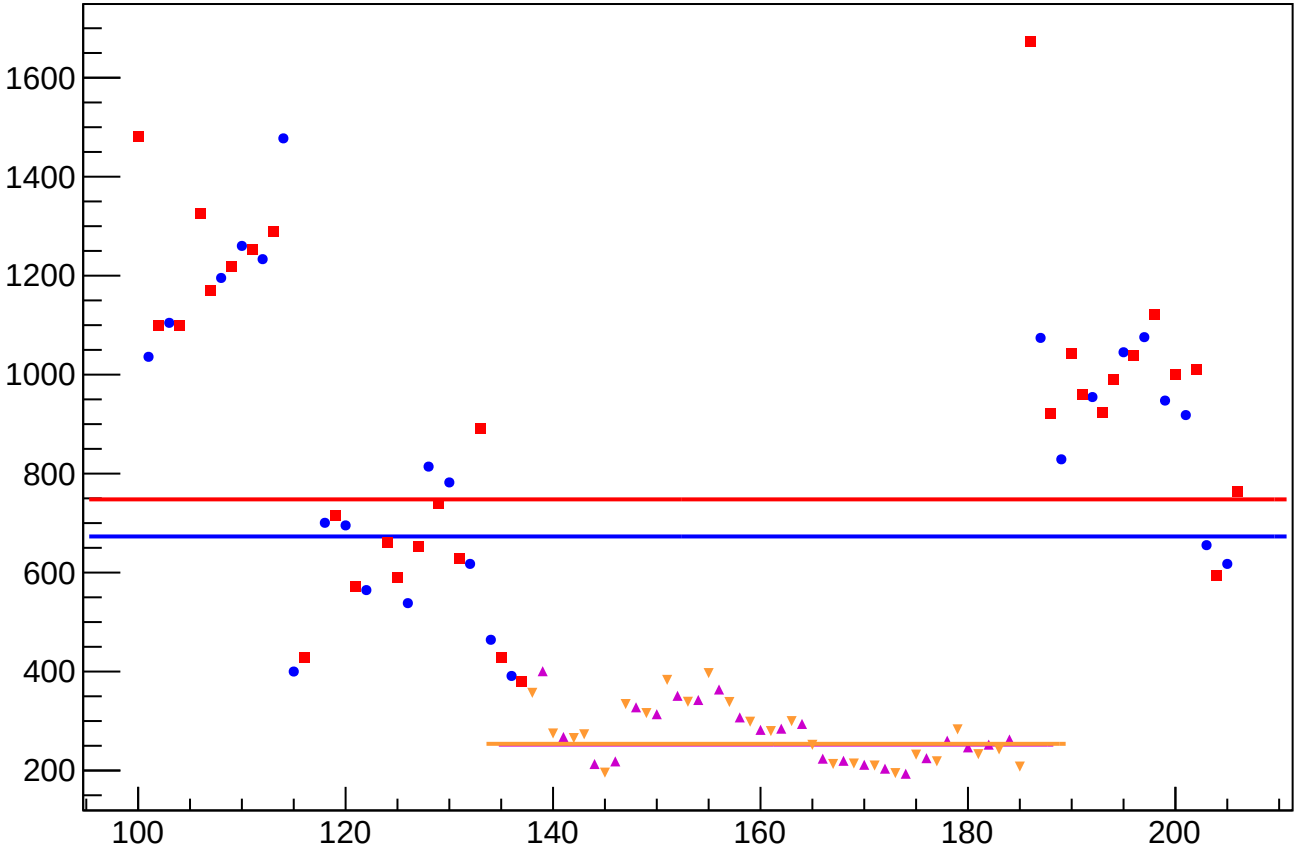
Right: 89.147+/-137.127 χ^2/NDF: 53.4/55

In: 48.053+/-57.571 χ^2/NDF:58.6/47

Out: 222.209+/-56.631 χ^2/NDF:93.3/55

All: 136.566+/-40.372 χ^2/NDF: 156.5/103

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 672.991+/-0.136 χ^2/NDF: 3259499.2/24

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 747.924+/-0.139 χ^2/NDF: 3580473.2/30

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

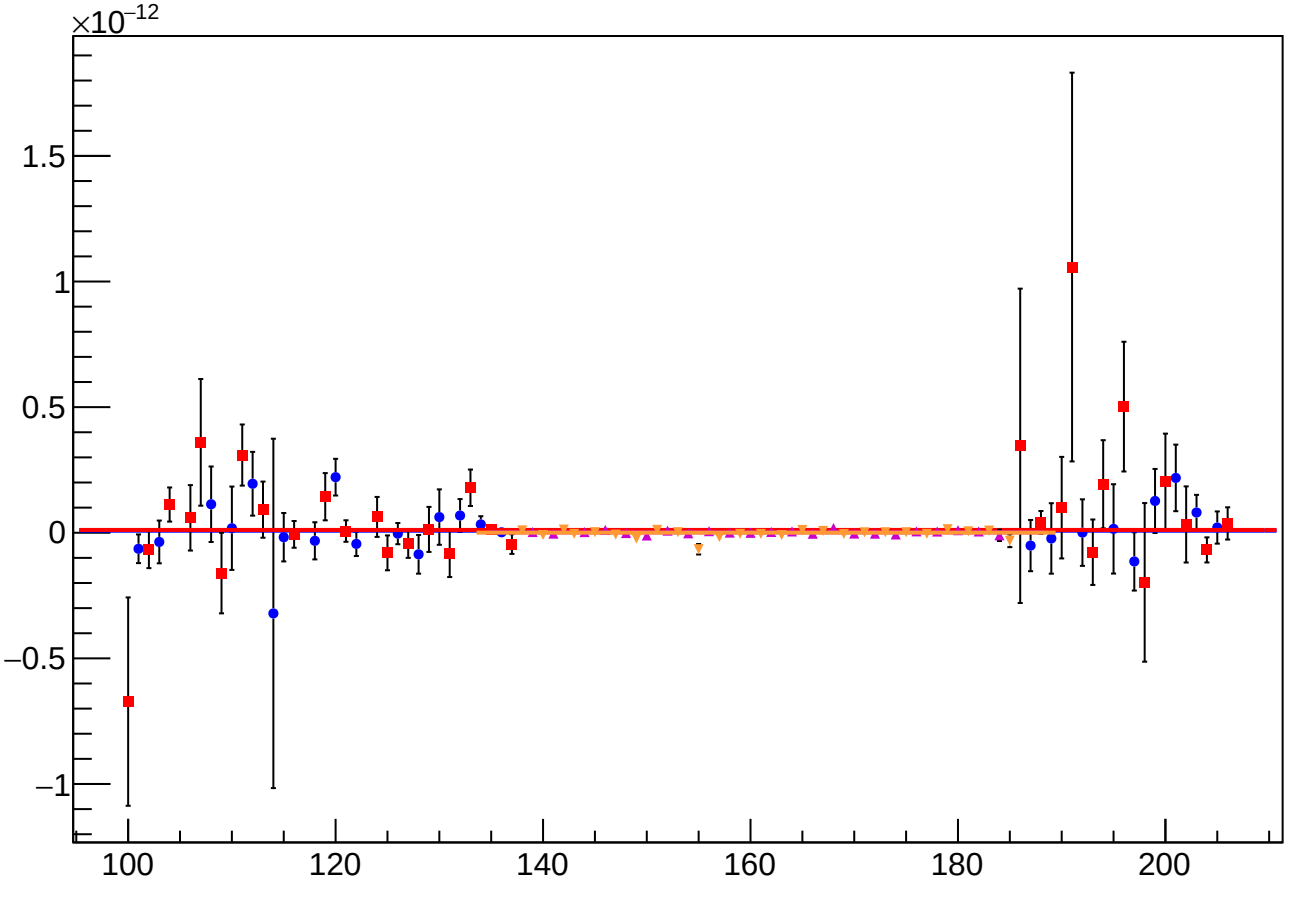
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 709.598+/-0.097 χ^2/NDF: 6989196.7/55

In: 290.308+/-0.041 χ^2/NDF:13427633.2/47

Out: 295.112+/-0.040 χ^2/NDF:16793835.2/55

All: 292.750+/-0.029 χ^2/NDF: 30228545.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/30

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

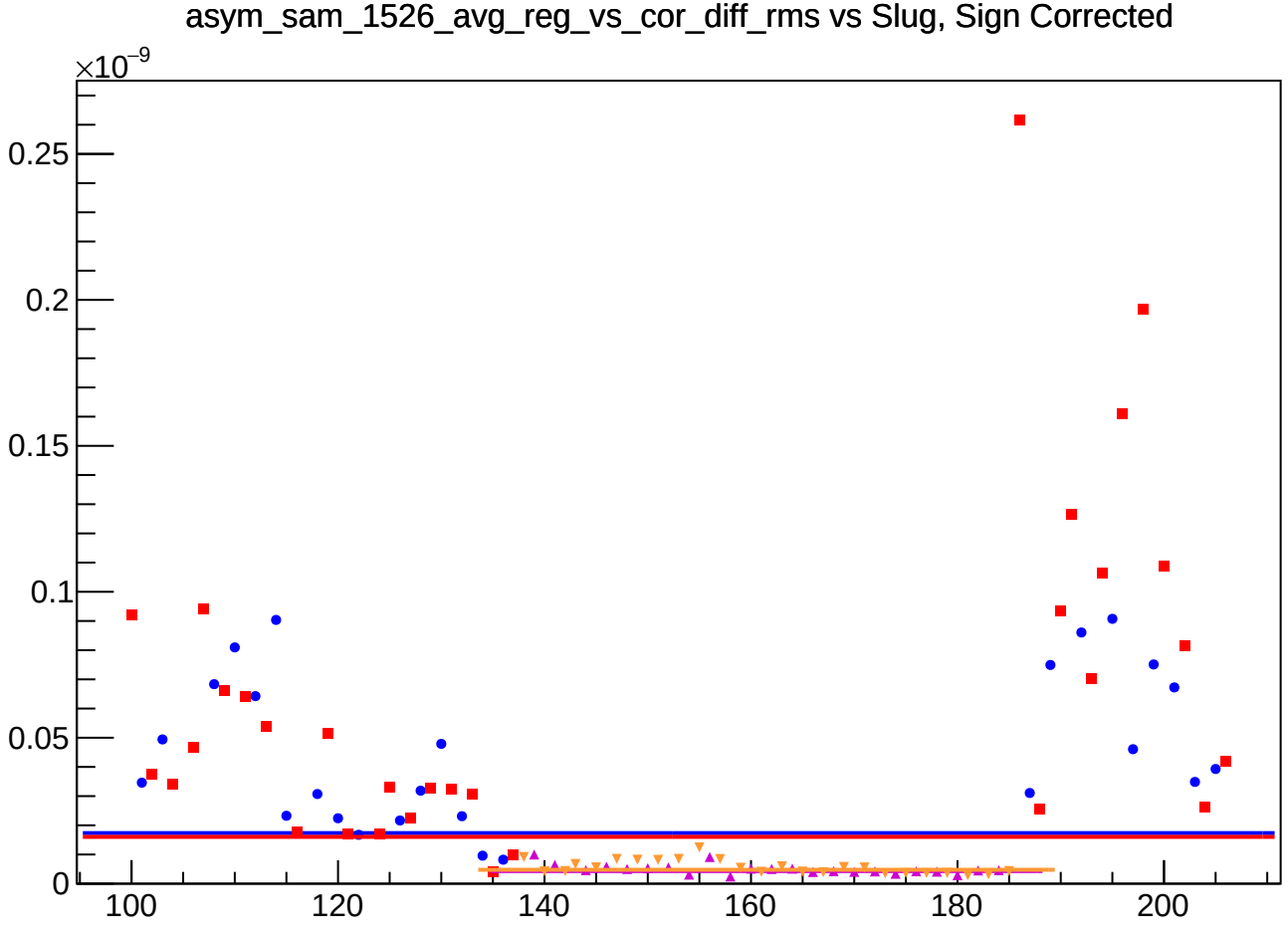
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 65.8/55

In: 0.000+/-0.000 χ^2/NDF:38.6/47

Out: 0.000+/-0.000 χ^2/NDF:69.6/55

All: 0.000+/-0.000 χ^2/NDF: 108.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 5096057.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7868434.0/30

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

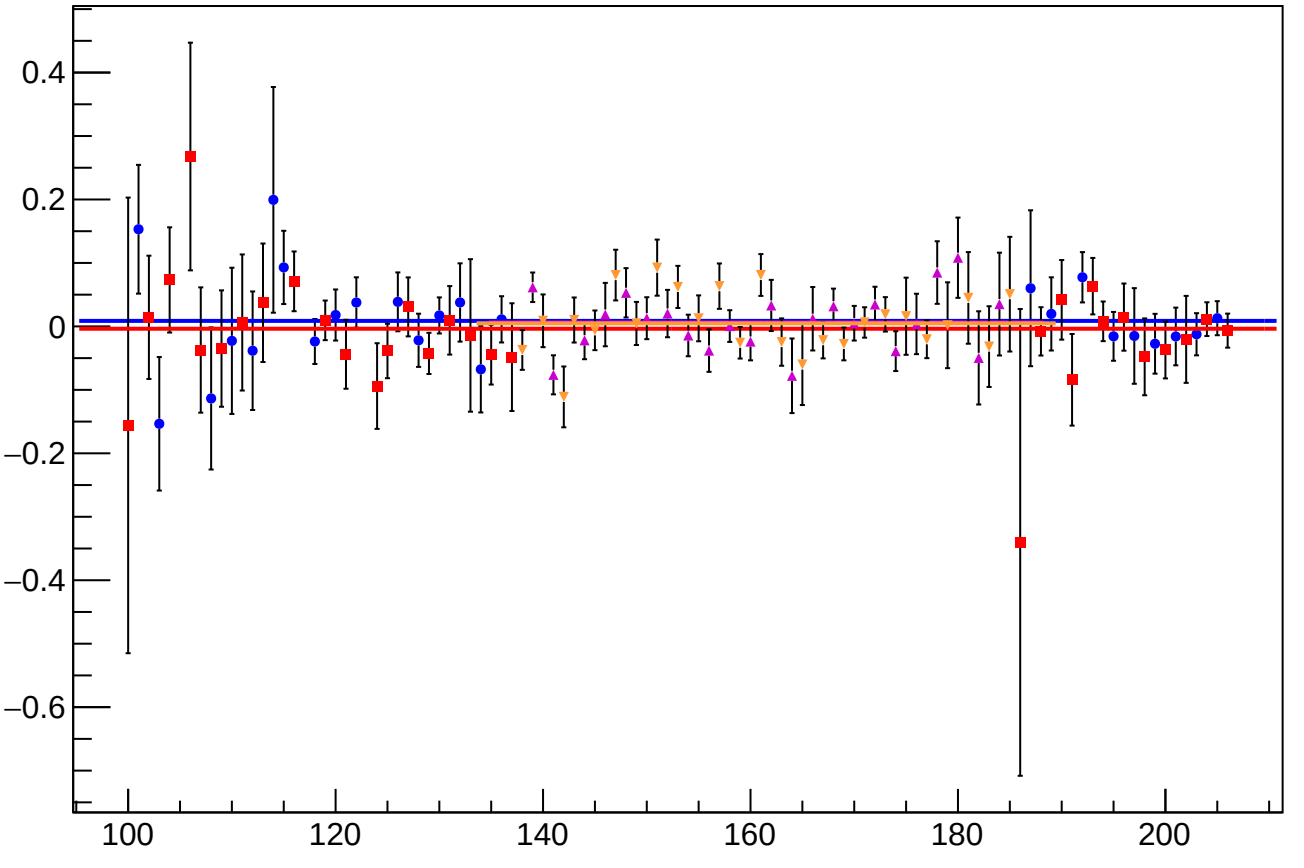
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12981519.0/55

In: 0.000+/-0.000 χ^2/NDF:9323141.0/47

Out: 0.000+/-0.000 χ^2/NDF:12015762.9/55

All: 0.000+/-0.000 χ^2/NDF: 21389806.5/103



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

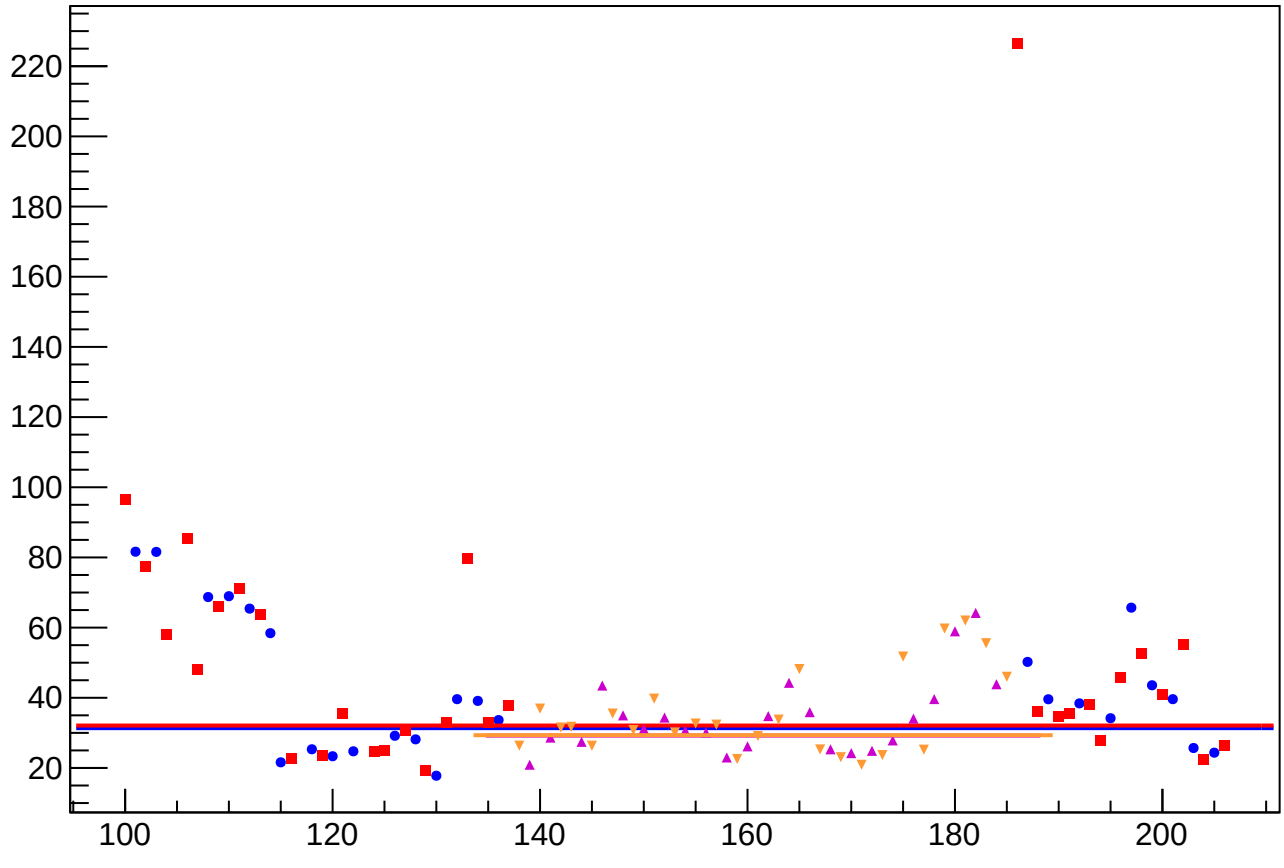
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.002+/-0.006 χ^2/NDF: 38.3/55

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.004+/-0.004 χ^2/NDF: 103.4/103



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

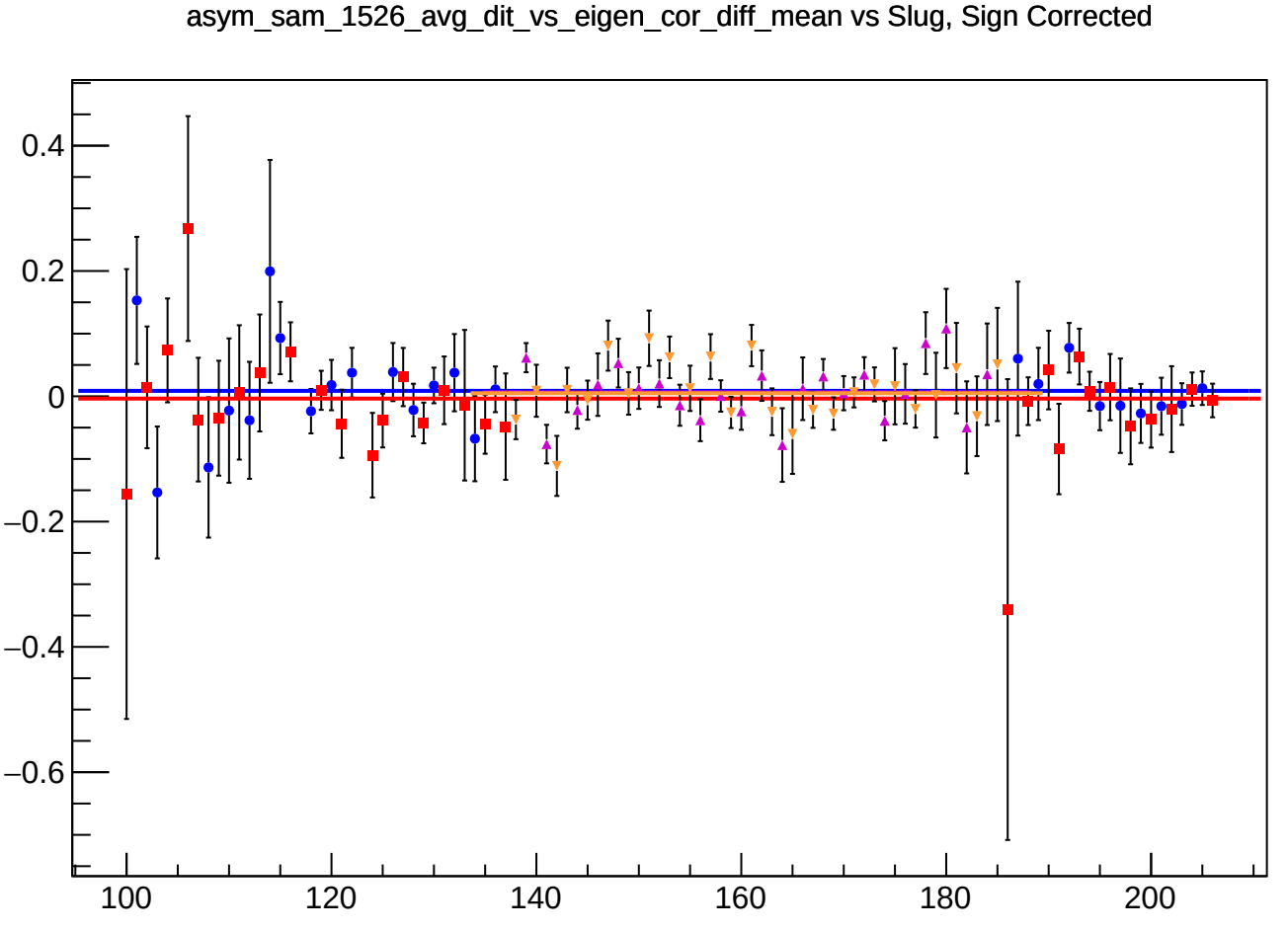
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.735+/-0.005 χ^2/NDF: 7815344.5/55

In: 30.023+/-0.004 χ^2/NDF:5619419.4/47

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 30.219+/-0.003 χ^2/NDF: 12778422.3/103



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

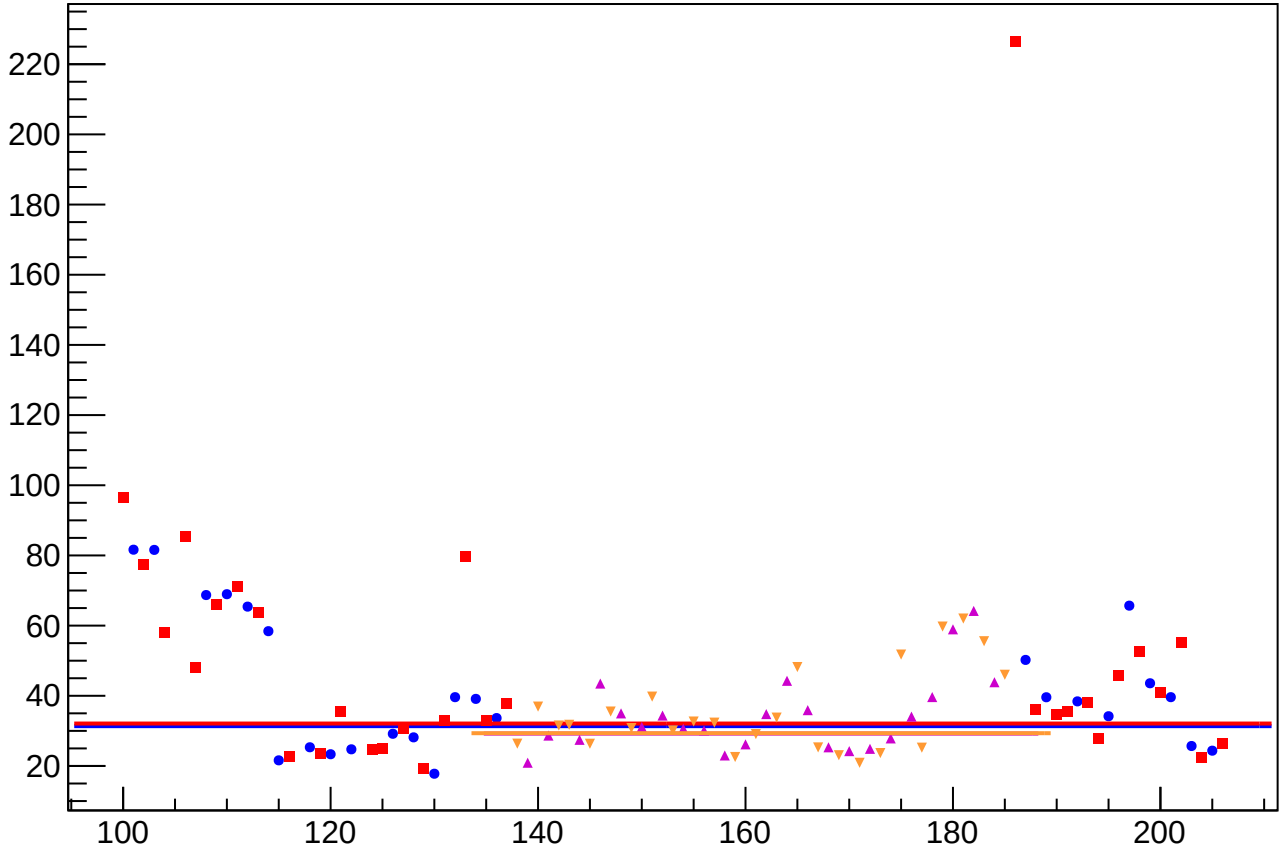
Right: 0.002+/-0.006 χ^2/NDF: 38.3/55

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.004+/-0.004 χ^2/NDF: 103.4/103

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

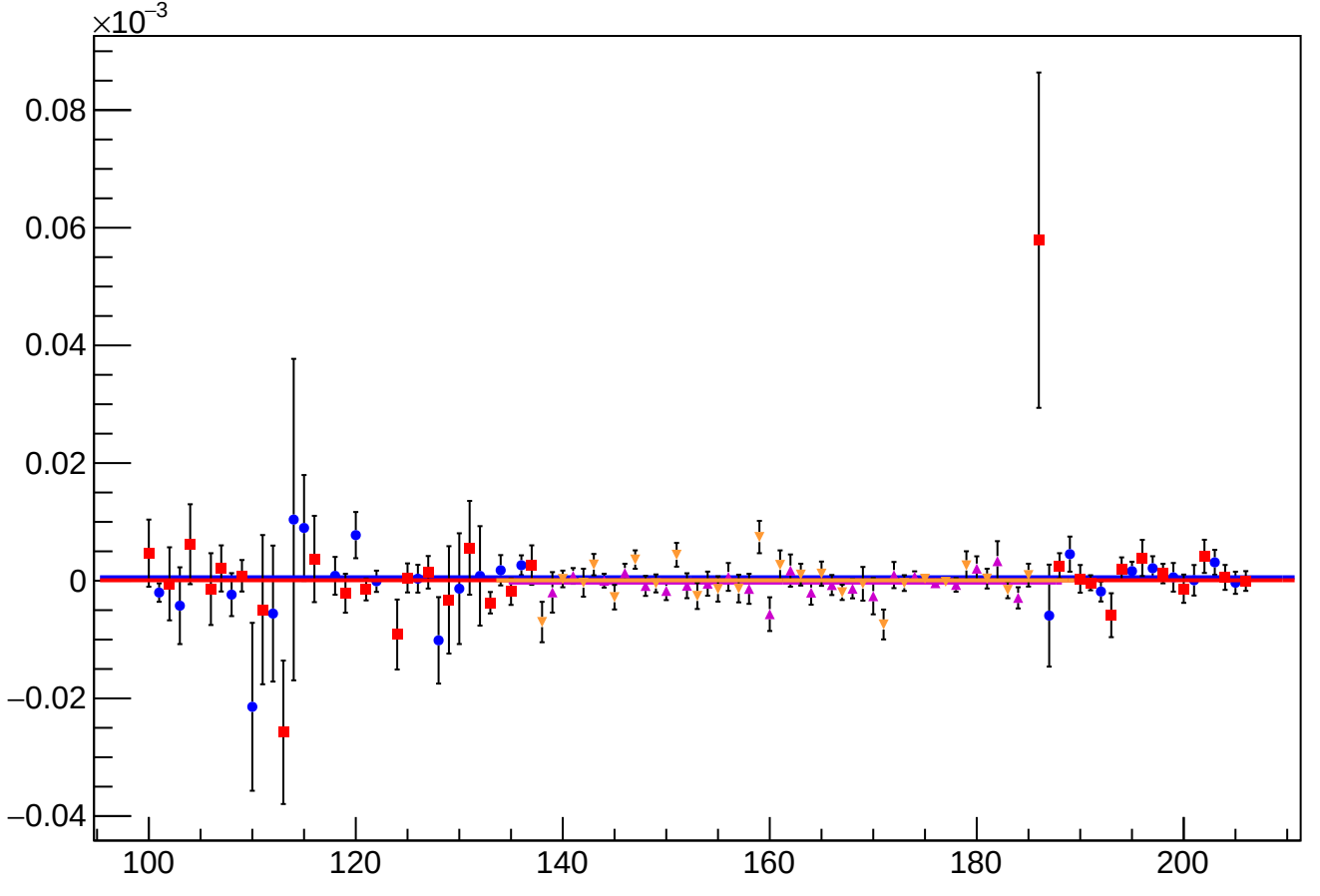
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.735+/-0.005 χ^2/NDF: 7815344.5/55

In: 30.023+/-0.004 χ^2/NDF:5619419.4/47

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 30.219+/-0.003 χ^2/NDF: 12778422.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

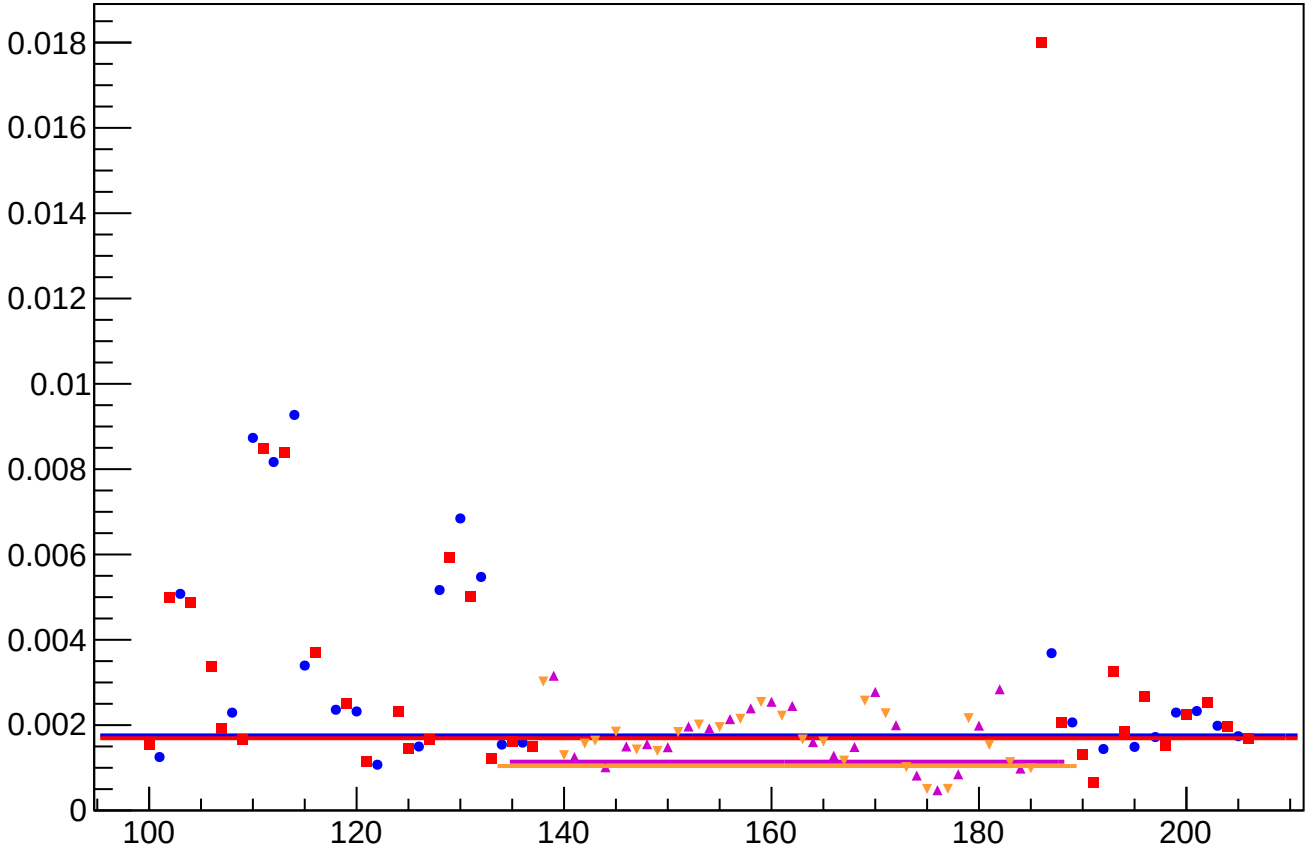
Right: 0.000+/-0.000 χ^2/NDF: 53.0/55

In: -0.000+/-0.000 χ^2/NDF:39.7/47

Out: 0.000+/-0.000 χ^2/NDF:74.2/55

All: 0.000+/-0.000 χ^2/NDF: 114.1/103

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4400111.7/24

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6769643.0/30

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

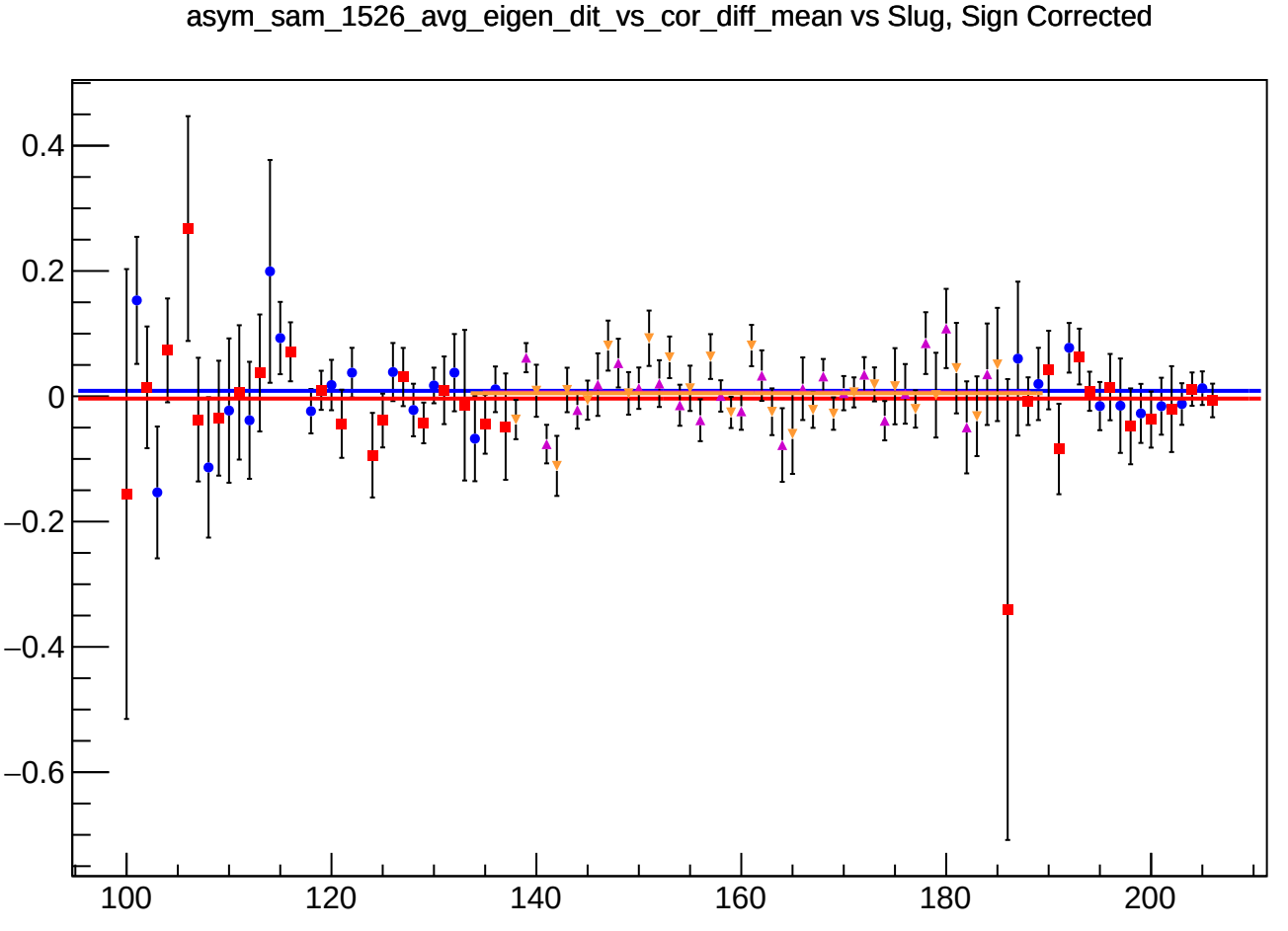
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11186956.1/55

In: 0.001+/-0.000 χ^2/NDF:14734831.3/47

Out: 0.001+/-0.000 χ^2/NDF:19356089.1/55

All: 0.001+/-0.000 χ^2/NDF: 34237833.0/103



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

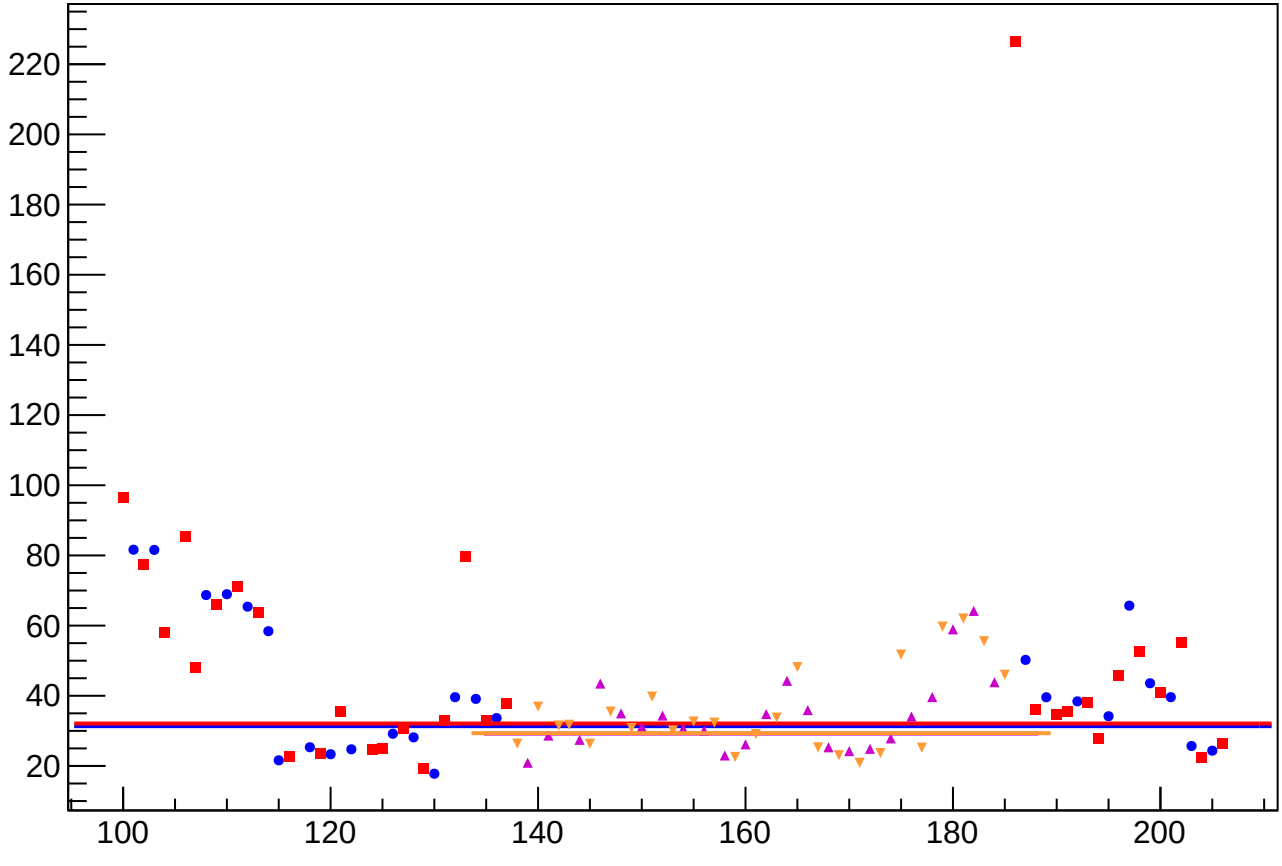
Right: 0.002+/-0.006 χ^2/NDF: 38.3/55

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.004+/-0.004 χ^2/NDF: 103.4/103

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

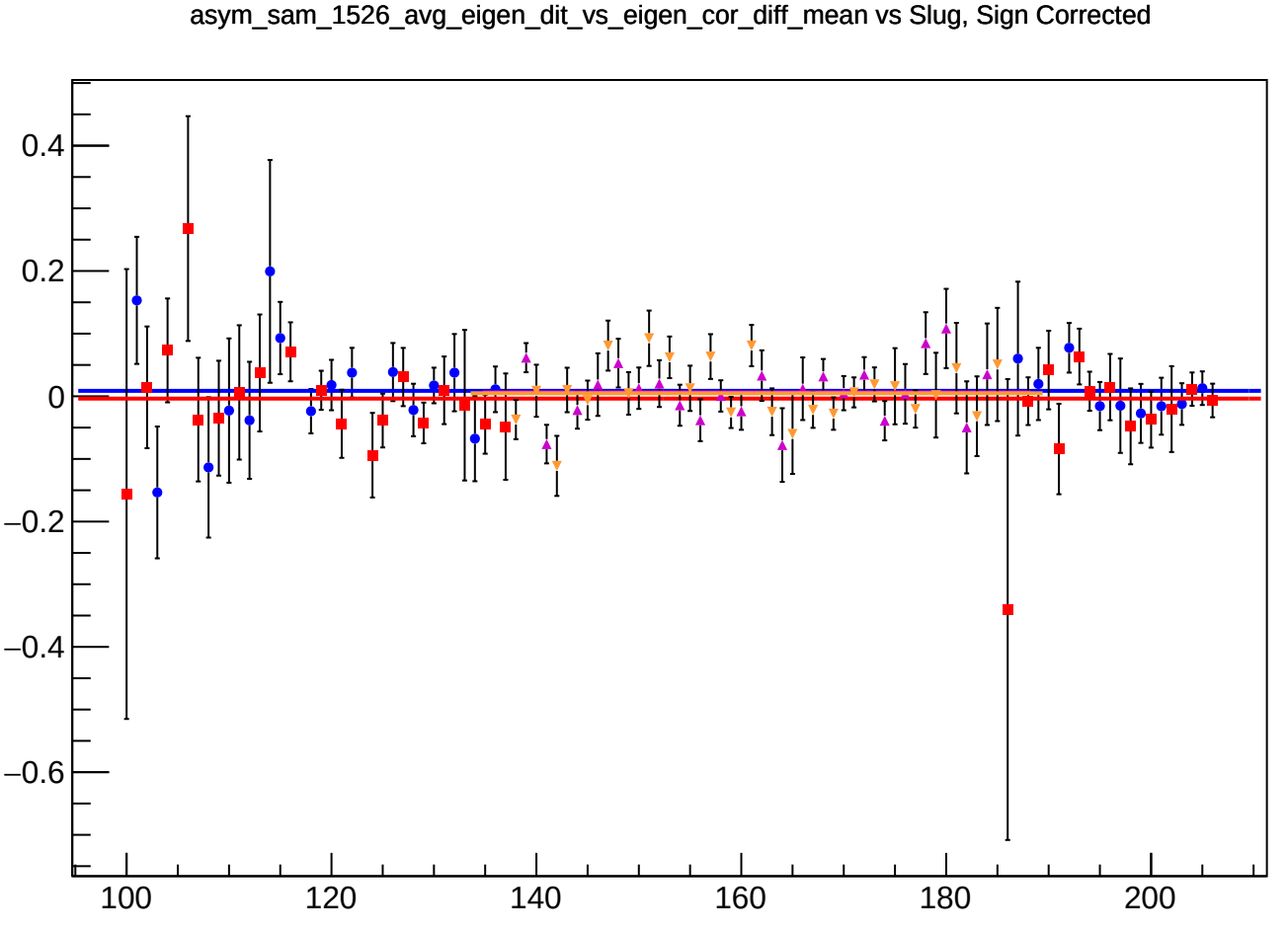
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.734+/-0.005 χ^2/NDF: 7815803.5/55

In: 30.023+/-0.004 χ^2/NDF:5619585.6/47

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 30.219+/-0.003 χ^2/NDF: 12778749.5/103



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

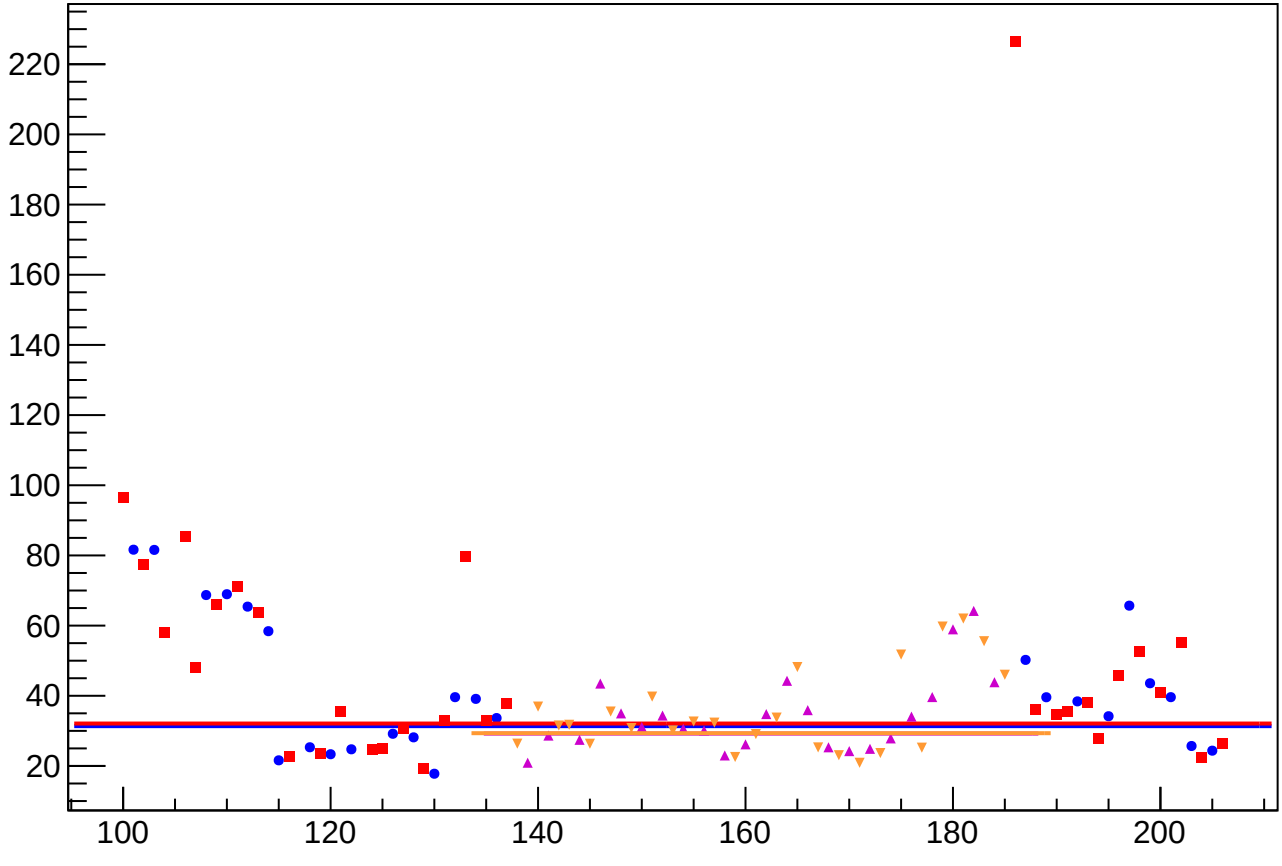
Right: 0.002+/-0.006 χ^2/NDF: 38.3/55

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.004+/-0.004 χ^2/NDF: 103.4/103

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

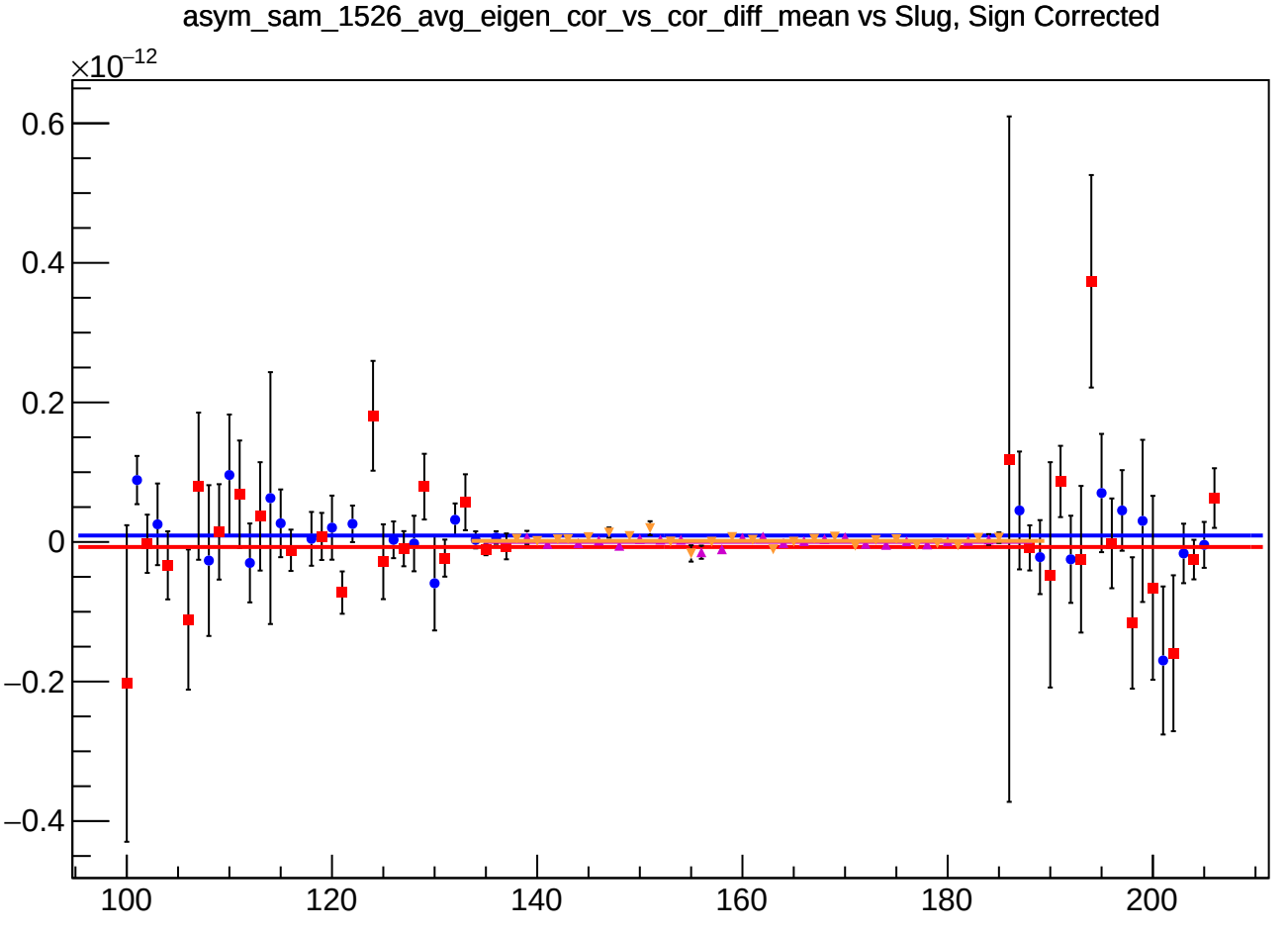
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.734+/-0.005 χ^2/NDF: 7815803.5/55

In: 30.023+/-0.004 χ^2/NDF:5619585.6/47

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 30.219+/-0.003 χ^2/NDF: 12778749.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

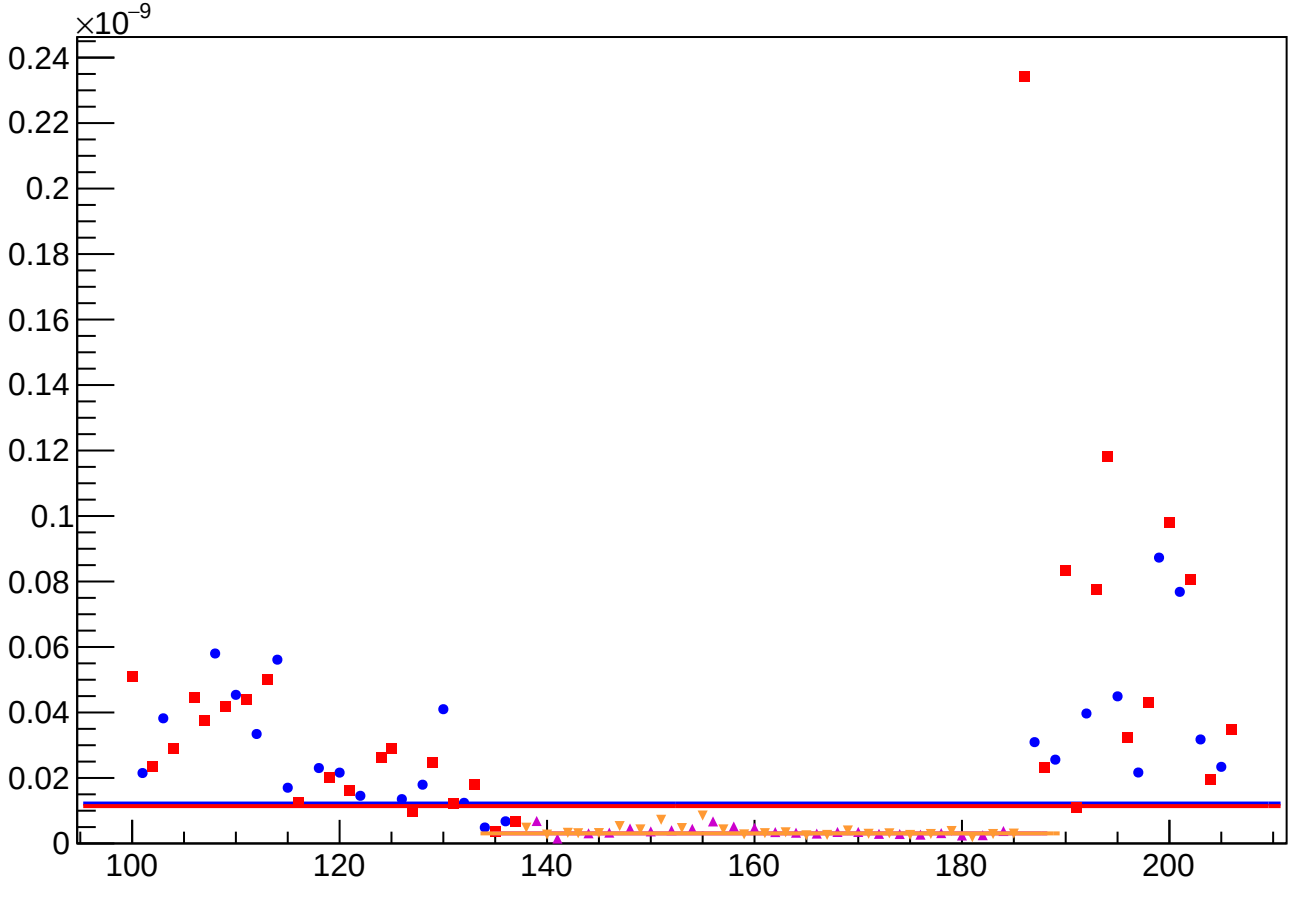
Right: 0.000+/-0.000 χ^2/NDF: 57.3/55

In: 0.000+/-0.000 χ^2/NDF:36.2/47

Out: 0.000+/-0.000 χ^2/NDF:75.2/55

All: 0.000+/-0.000 χ^2/NDF: 111.8/103

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6922221.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517128.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

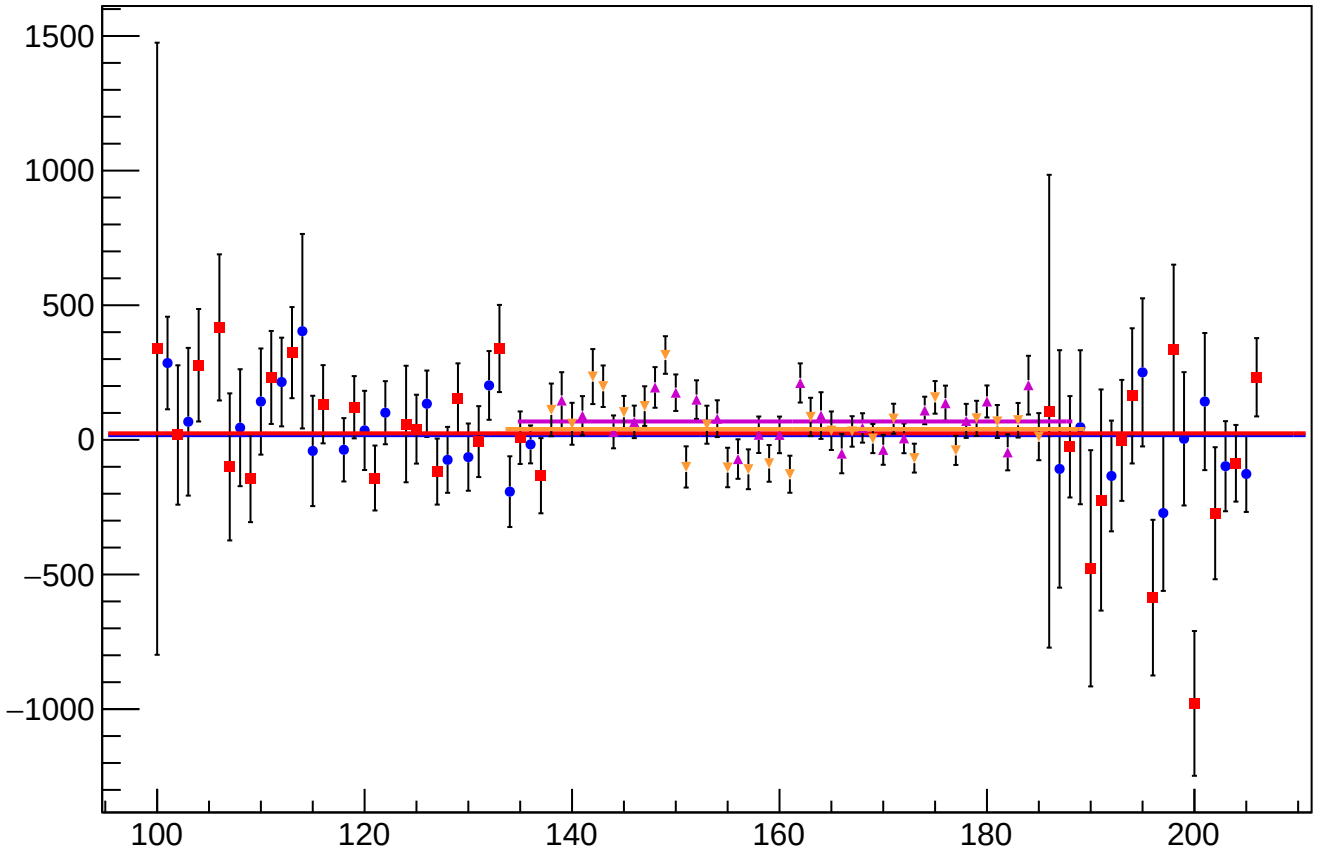
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 17458690.7/55

In: 0.000+/-0.000 χ^2/NDF:14020465.6/47

Out: 0.000+/-0.000 χ^2/NDF:16905234.0/55

All: 0.000+/-0.000 χ^2/NDF: 30926476.5/103



Right In: 17.483+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.294+/-30.878 χ^2/NDF: 45.7/30

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

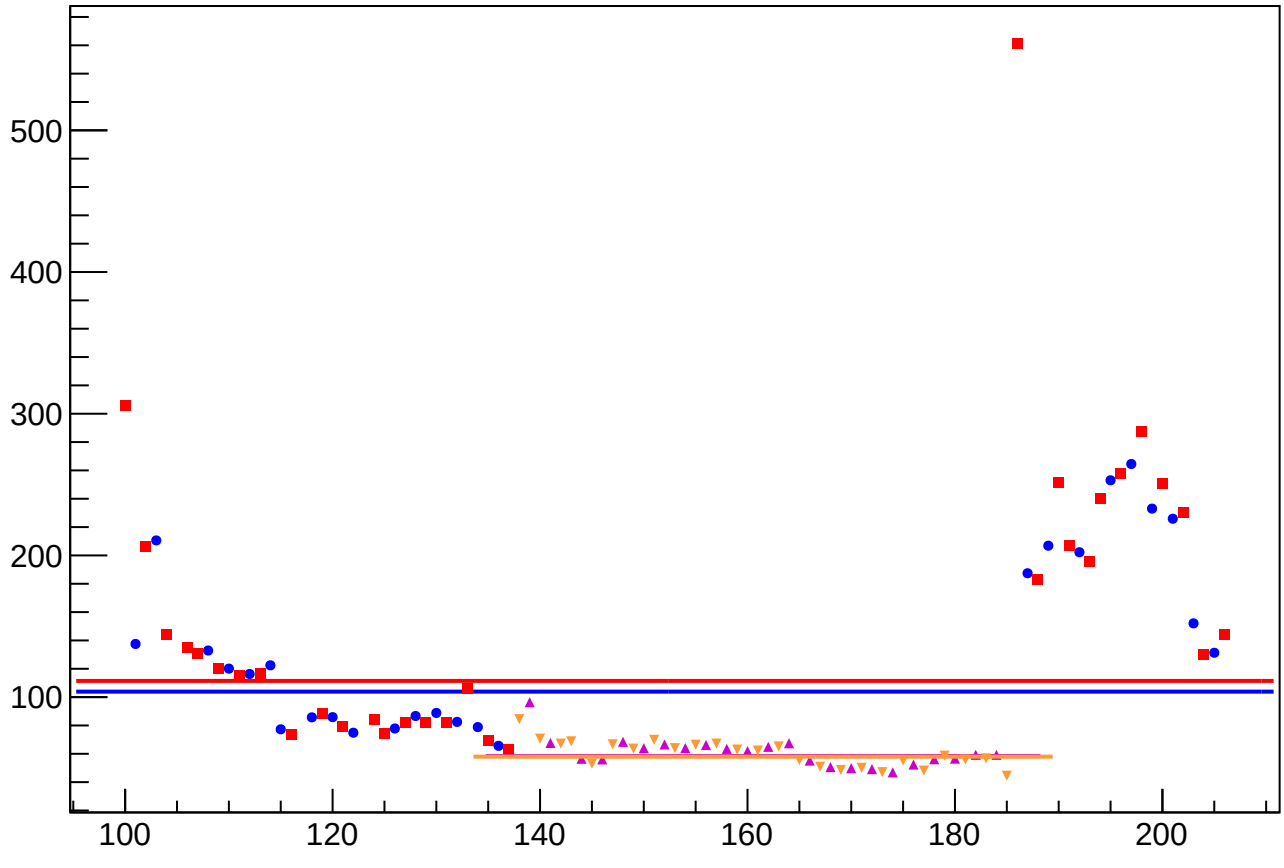
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 20.878+/-21.802 χ^2/NDF: 62.9/55

In: 59.767+/-12.643 χ^2/NDF:51.2/47

Out: 37.798+/-12.294 χ^2/NDF:105.4/55

All: 48.475+/-8.814 χ^2/NDF: 158.1/103



Right In: 103.876+/-0.022 χ^2/NDF: 4793232.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 111.442+/-0.022 χ^2/NDF: 6112586.4/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

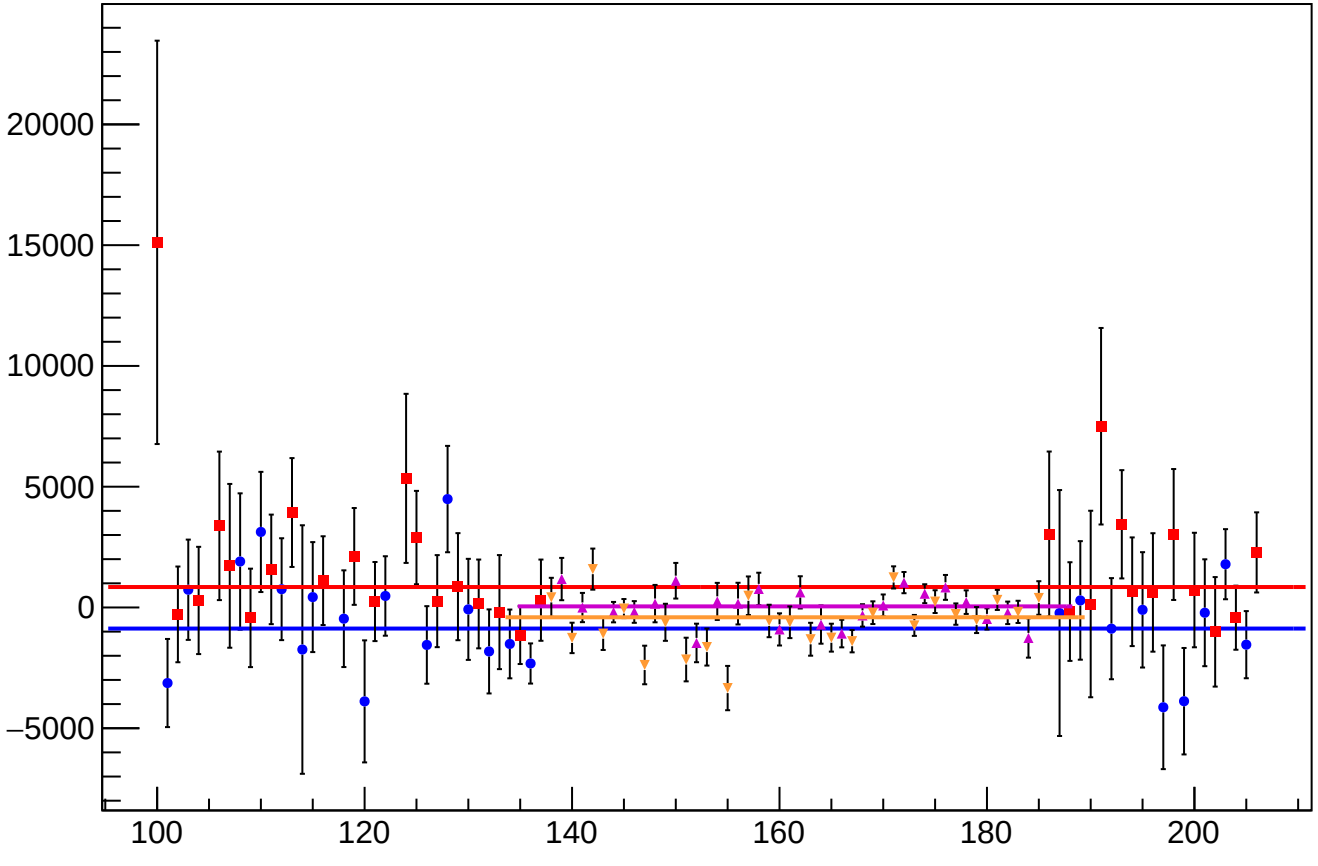
Right: 107.648+/-0.015 χ^2/NDF: 10966027.3/55

In: 66.066+/-0.009 χ^2/NDF:9156781.0/47

Out: 66.468+/-0.009 χ^2/NDF:11962418.8/55

All: 66.273+/-0.006 χ^2/NDF: 21120236.8/103

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -873.249+/-369.926 χ^2/NDF: 26.1/24

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 846.286+/-377.313 χ^2/NDF: 20.8/30

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

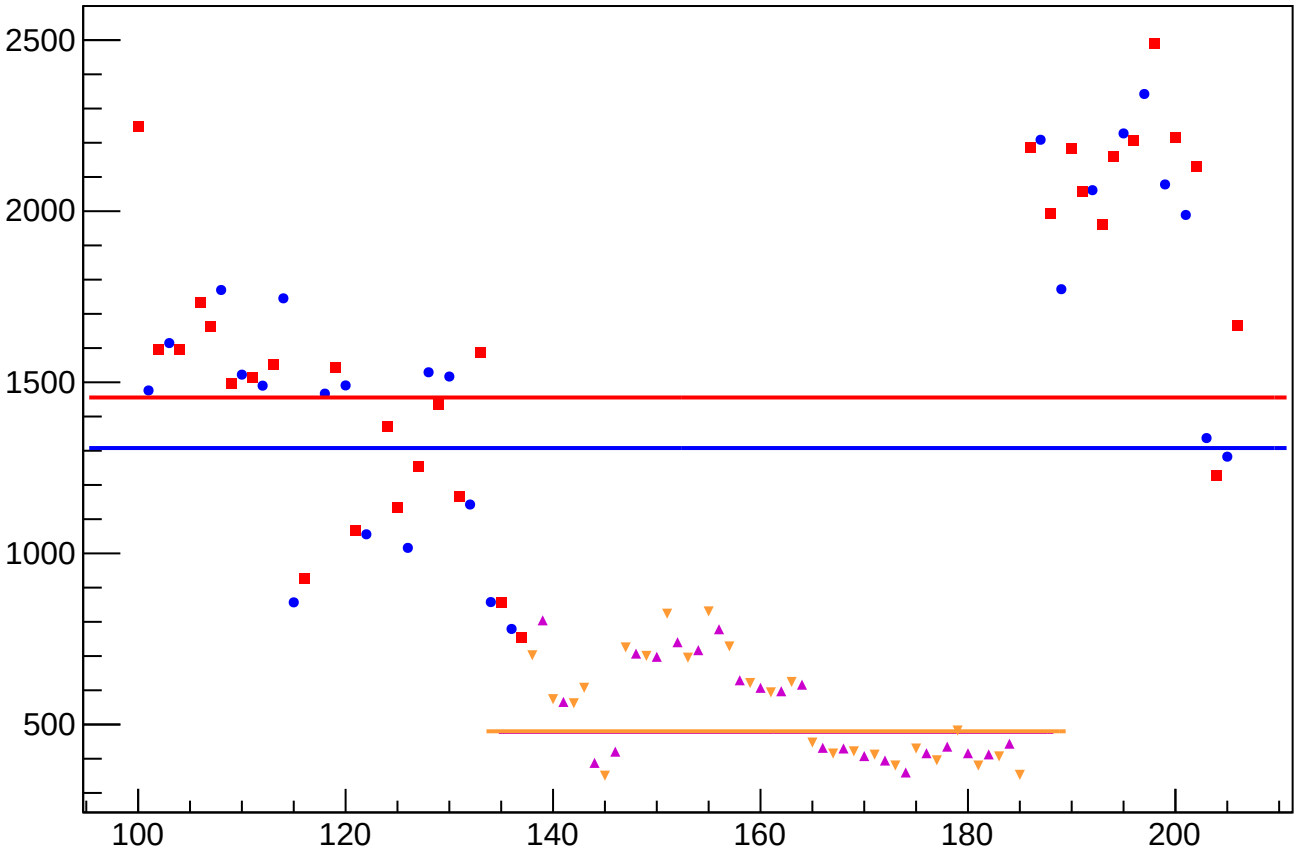
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

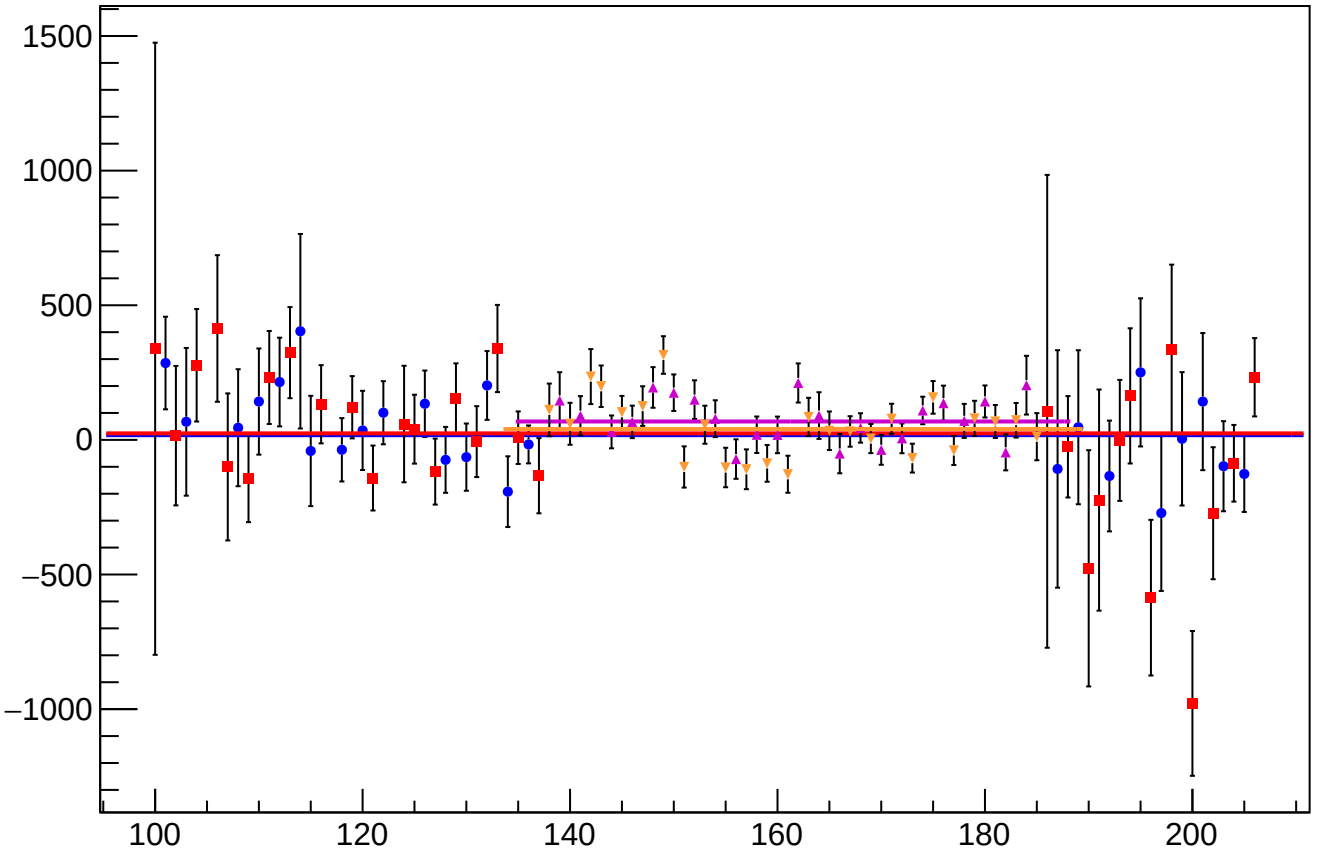
Right: -30.478+/-264.150 χ^2/NDF: 57.4/55

In: -37.058+/-110.481 χ^2/NDF:62.7/47

Out: -302.436+/-108.660 χ^2/NDF:94.1/55

All: -171.952+/-77.470 χ^2/NDF: 159.7/103


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1307.886+/-0.262 χ²/NDF: 2891505.5/24
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1455.621+/-0.267 χ²/NDF: 2923641.1/30
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1380.293+/-0.187 χ²/NDF: 5971485.5/55
In: 552.099+/-0.078 χ²/NDF:14272887.9/47
Out: 561.062+/-0.077 χ²/NDF:17764550.4/55
All: 556.655+/-0.055 χ²/NDF: 32044128.9/10



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.176+/-30.879 χ^2/NDF: 45.7/30

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

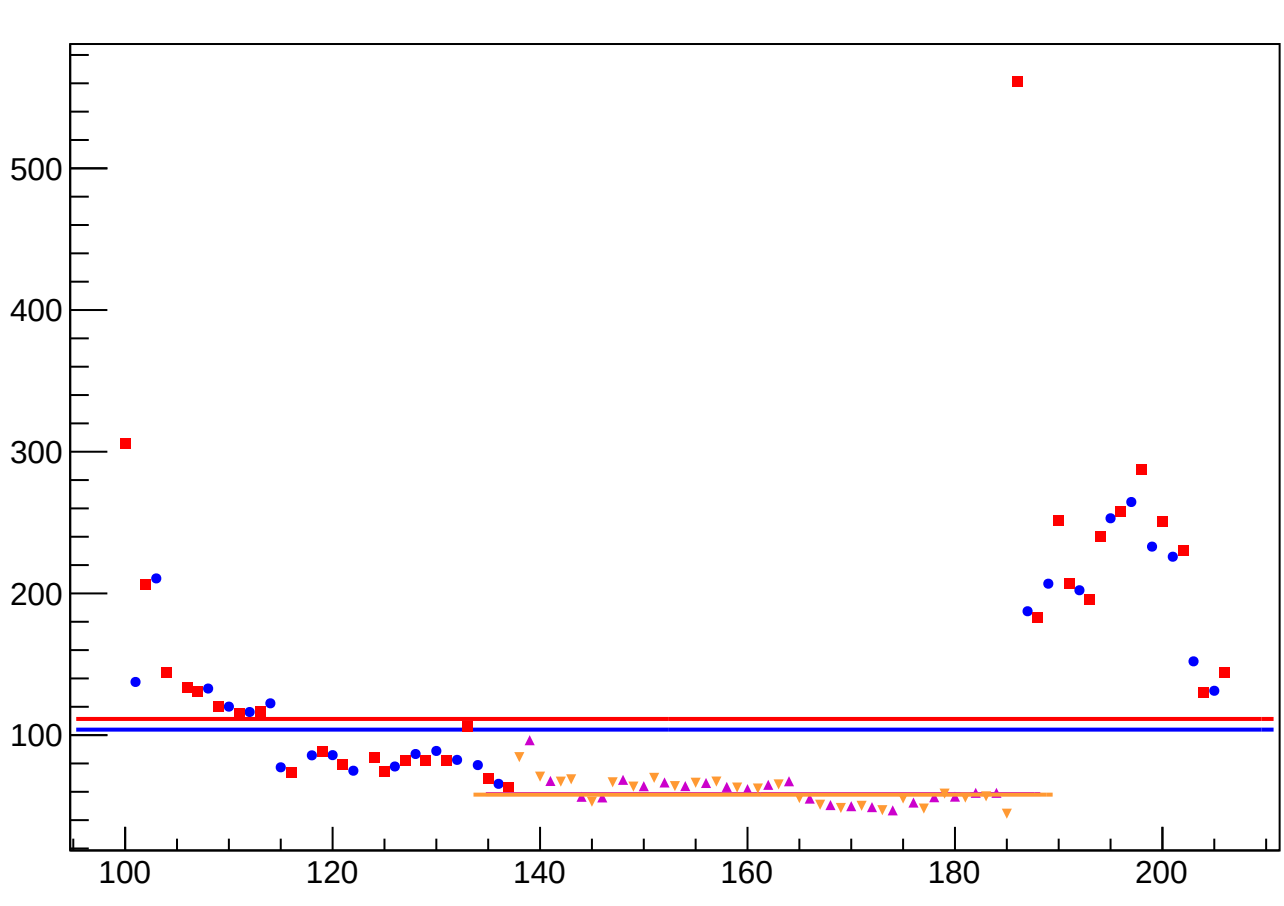
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 20.815+/-21.802 χ^2/NDF: 62.8/55

In: 59.764+/-12.643 χ^2/NDF:51.2/47

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 48.465+/-8.814 χ^2/NDF: 158.0/103



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

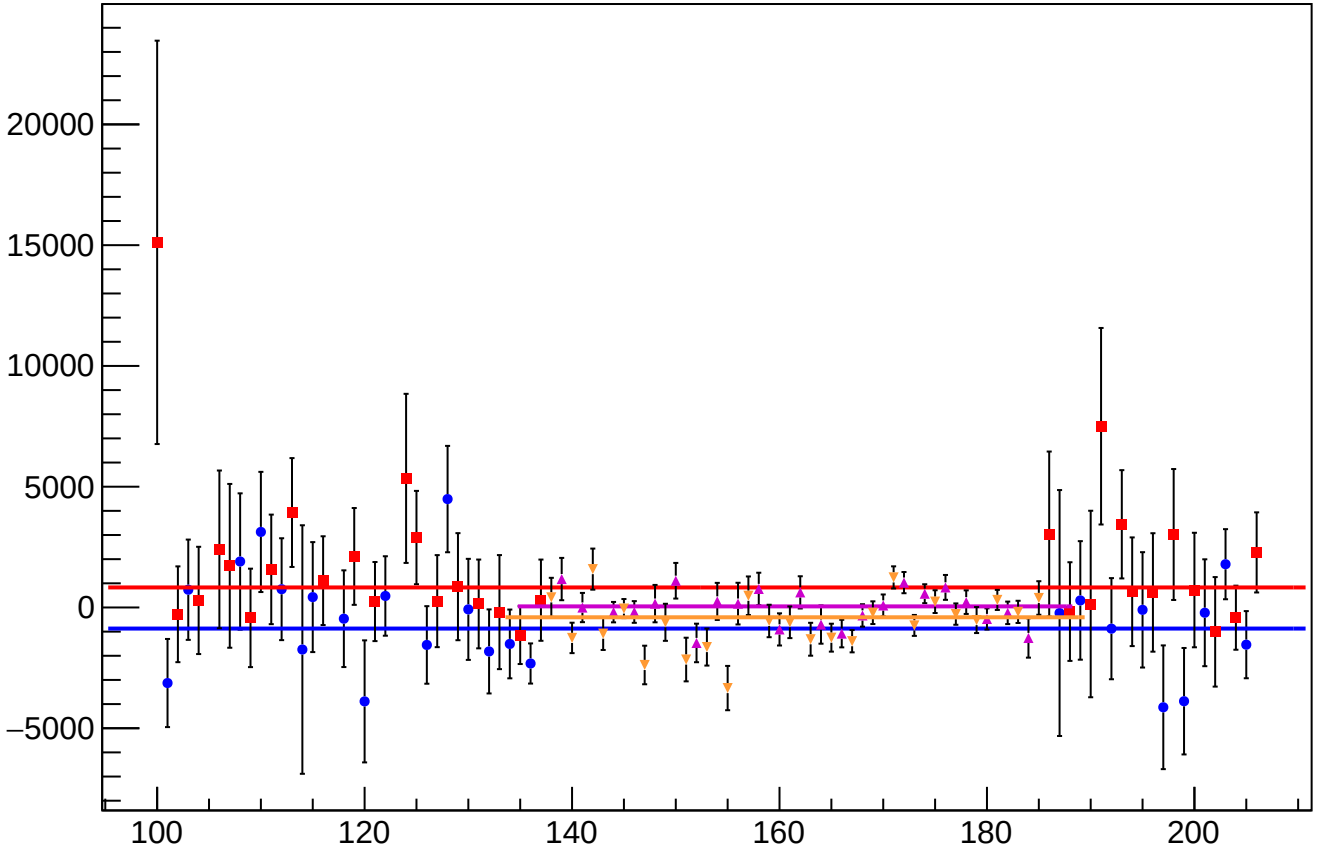
Right: 107.634+/-0.015 χ^2/NDF: 10963412.3/55

In: 66.066+/-0.009 χ^2/NDF:9156783.3/47

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.270+/-0.006 χ^2/NDF: 21112516.6/103

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 829.189+/-377.647 χ^2/NDF: 20.3/30

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

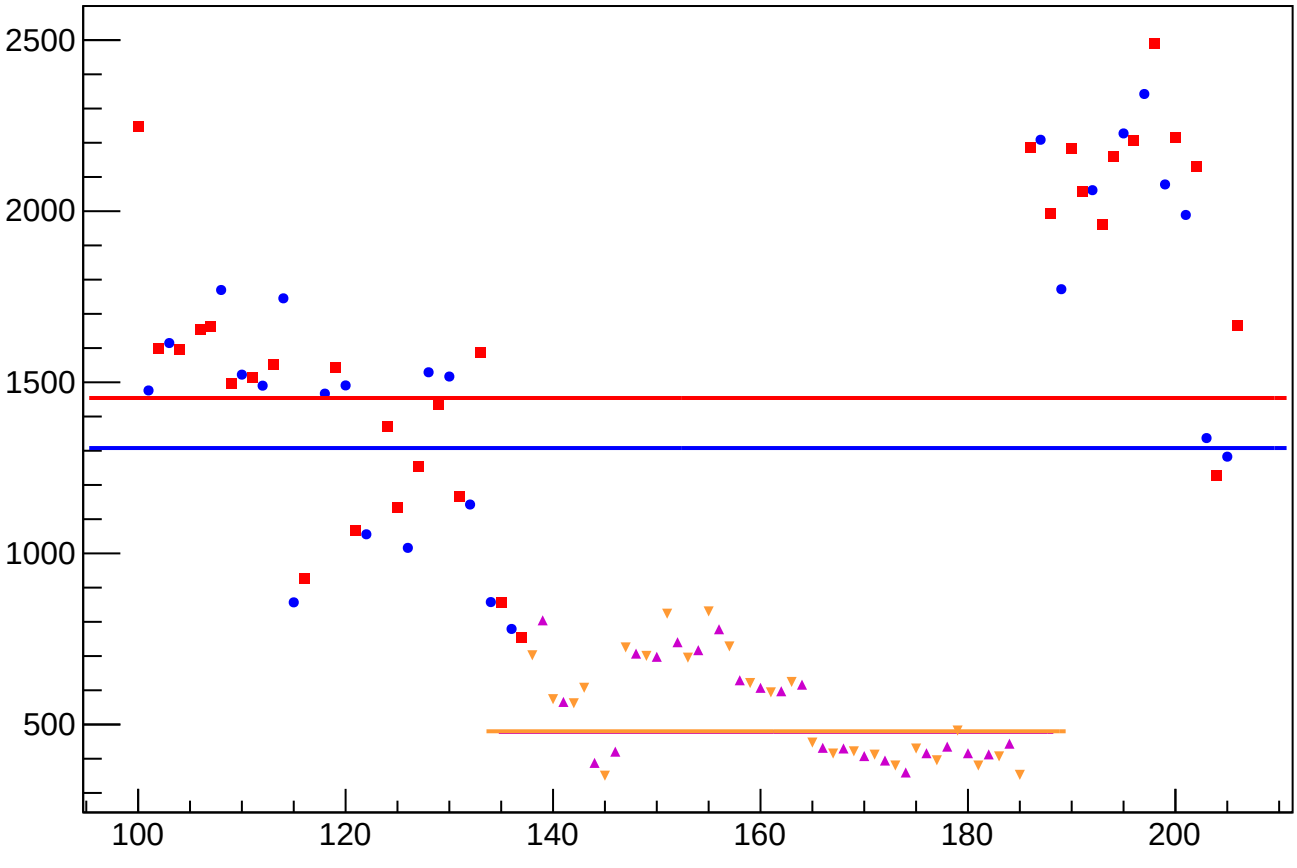
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

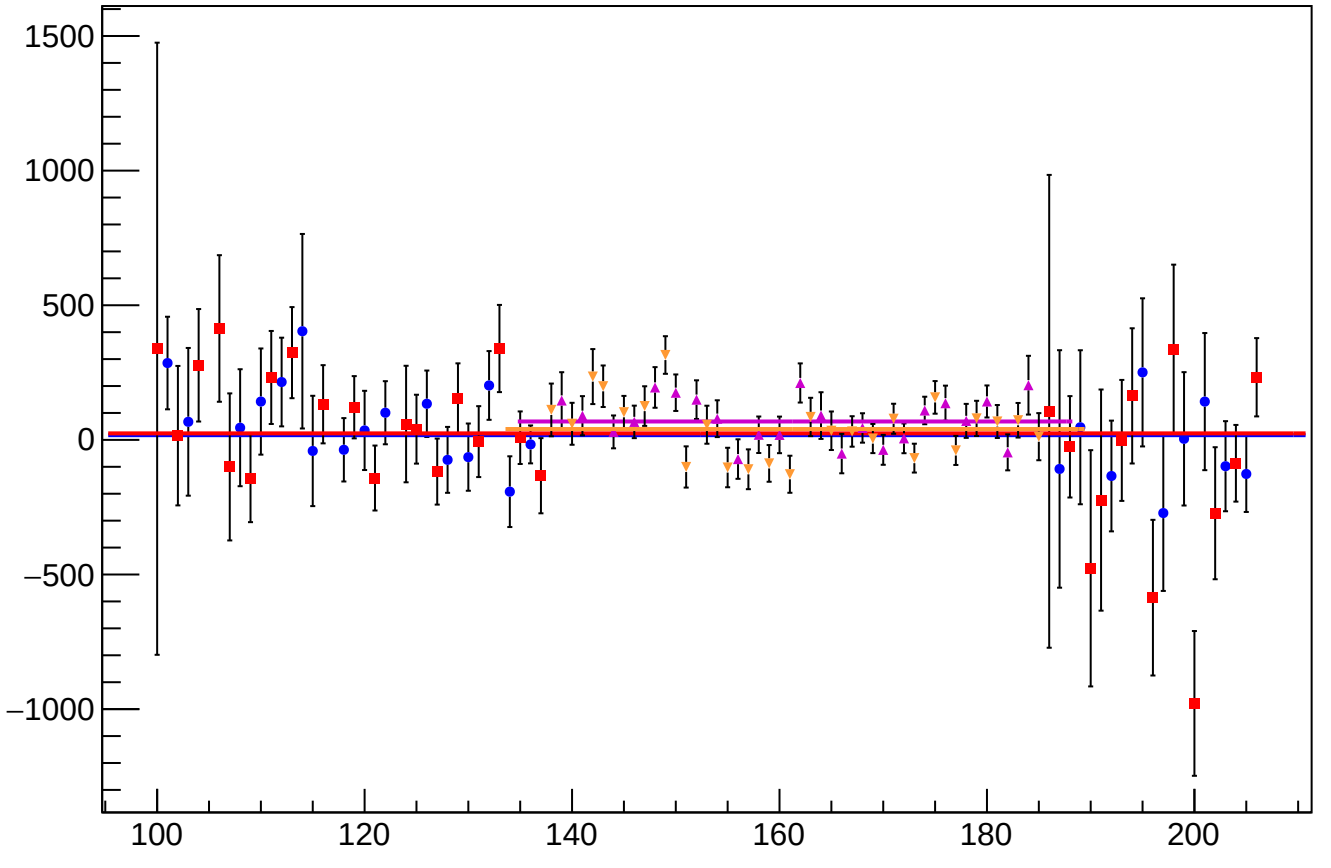
Right: -39.597+/-264.265 χ^2/NDF: 56.7/55

In: -37.057+/-110.482 χ^2/NDF:62.7/47

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -172.746+/-77.473 χ^2/NDF: 159.0/103


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1307.888+/-0.262 χ²/NDF: 2891536.0/24
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1454.135+/-0.267 χ²/NDF: 2914911.8/30
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1379.501+/-0.187 χ²/NDF: 5959514.9/55
In: 552.099+/-0.078 χ²/NDF:14272915.8/47
Out: 560.808+/-0.077 χ²/NDF:17698667.5/55
All: 556.525+/-0.055 χ²/NDF: 31977899.1/10



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.176+/-30.879 χ^2/NDF: 45.7/30

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

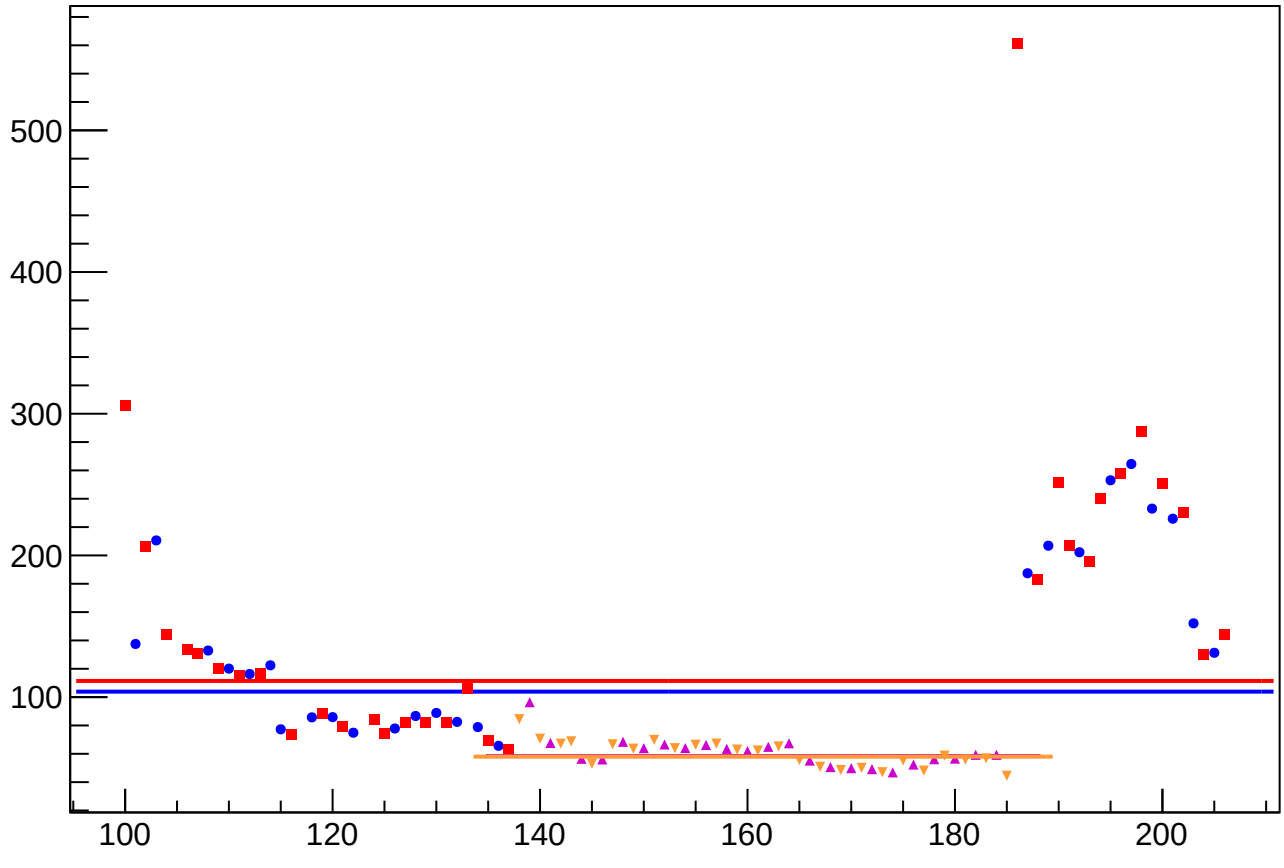
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 20.815+/-21.802 χ^2/NDF: 62.8/55

In: 59.764+/-12.643 χ^2/NDF:51.2/47

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 48.465+/-8.814 χ^2/NDF: 158.0/103



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

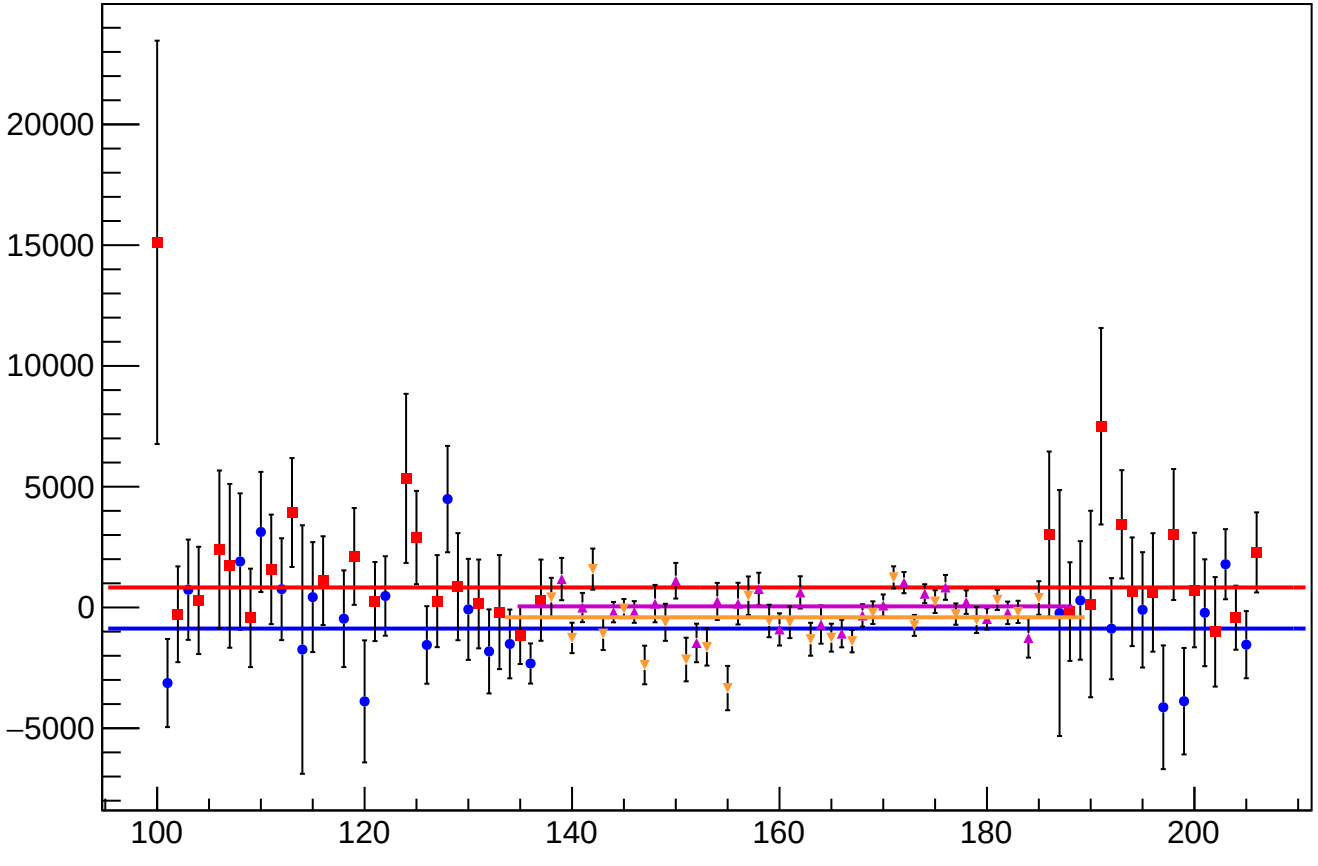
Right: 107.634+/-0.015 χ^2/NDF: 10963412.3/55

In: 66.066+/-0.009 χ^2/NDF:9156783.3/47

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.270+/-0.006 χ^2/NDF: 21112516.6/103

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 829.189+/-377.647 χ^2/NDF: 20.3/30

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

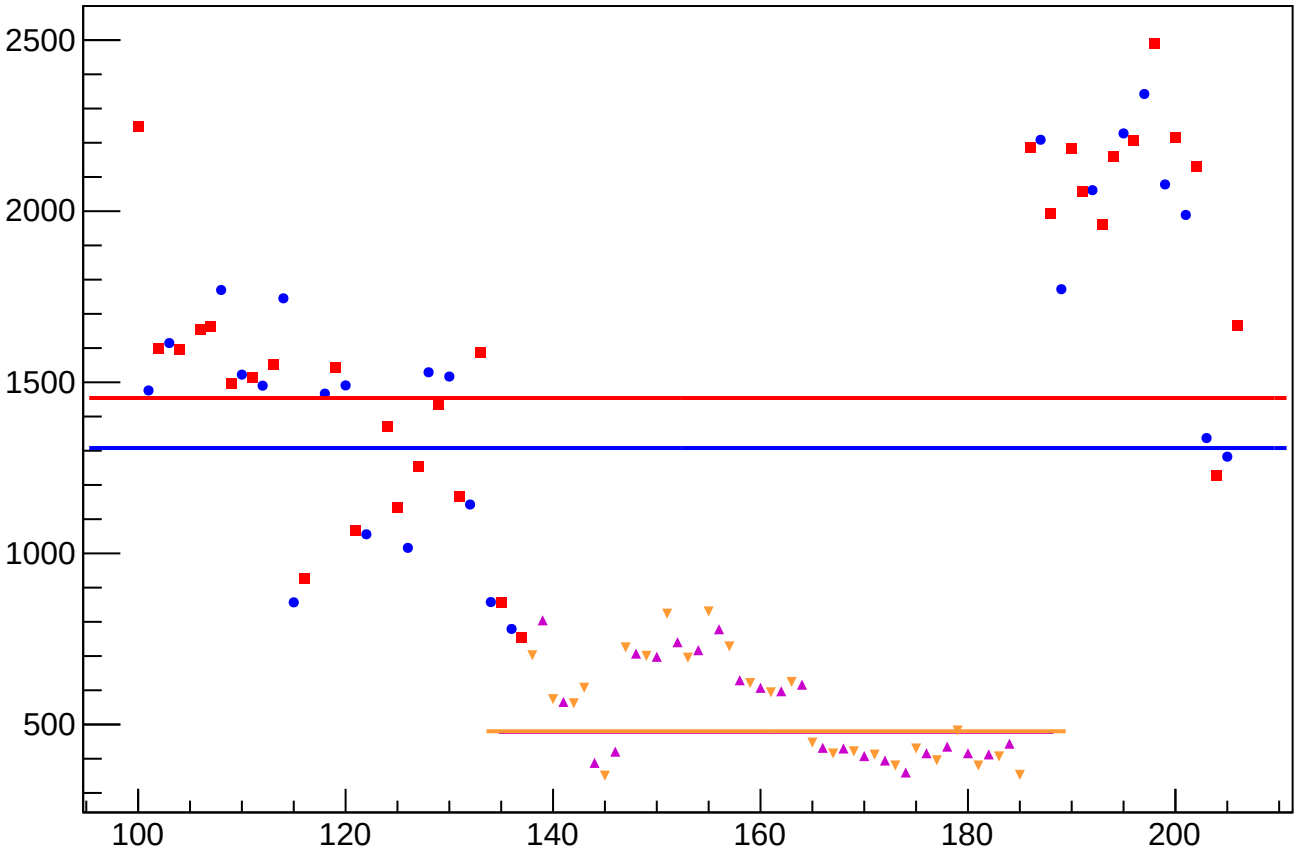
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -39.597+/-264.265 χ^2/NDF: 56.7/55

In: -37.057+/-110.482 χ^2/NDF:62.7/47

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -172.746+/-77.473 χ^2/NDF: 159.0/103



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

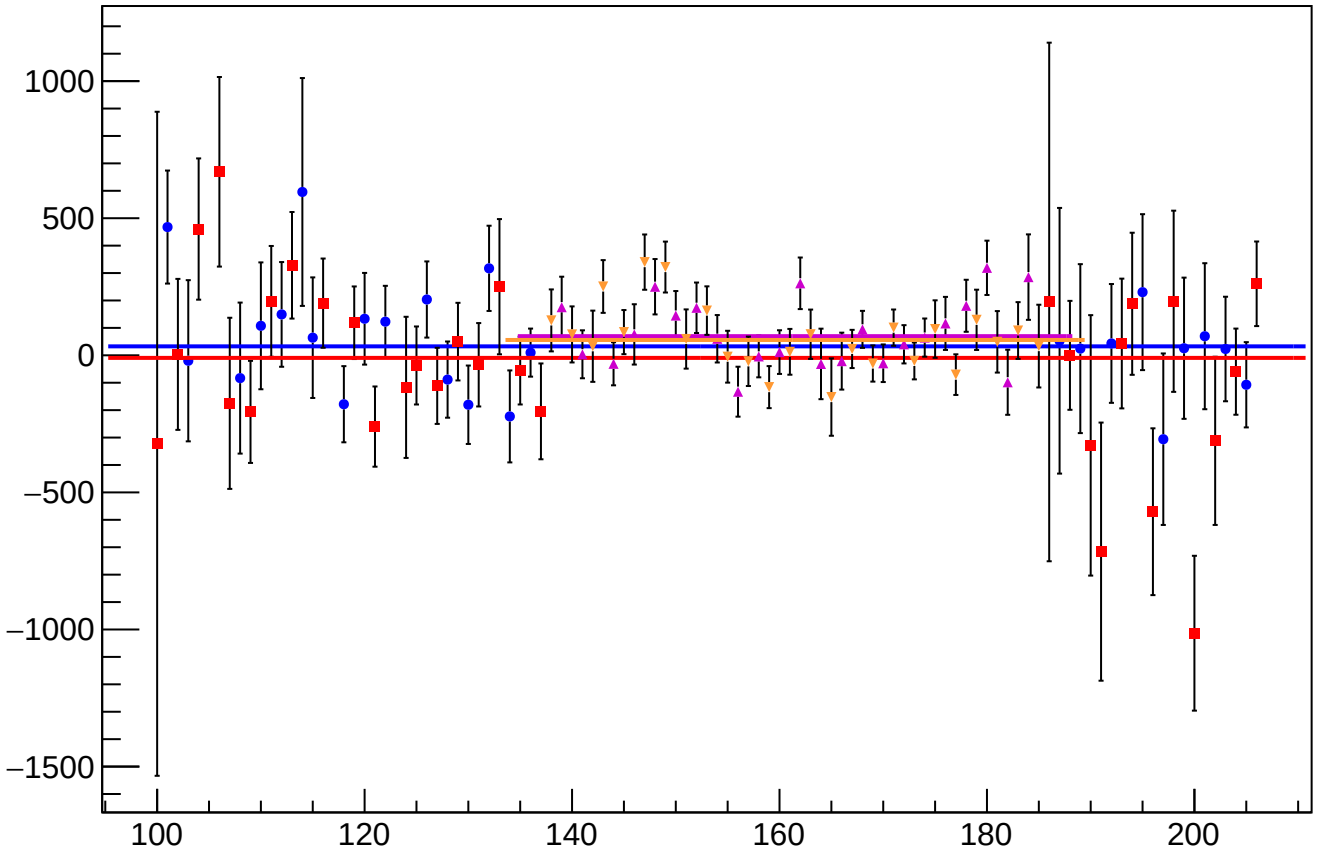
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1379.501+/-0.187 χ^2/NDF: 5959514.9/55

In: 552.099+/-0.078 χ^2/NDF:14272915.8/47

Out: 560.808+/-0.077 χ^2/NDF:17698667.5/55

All: 556.525+/-0.055 χ^2/NDF: 31977899.1/10



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.420+/-35.646 χ^2/NDF: 45.5/30

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

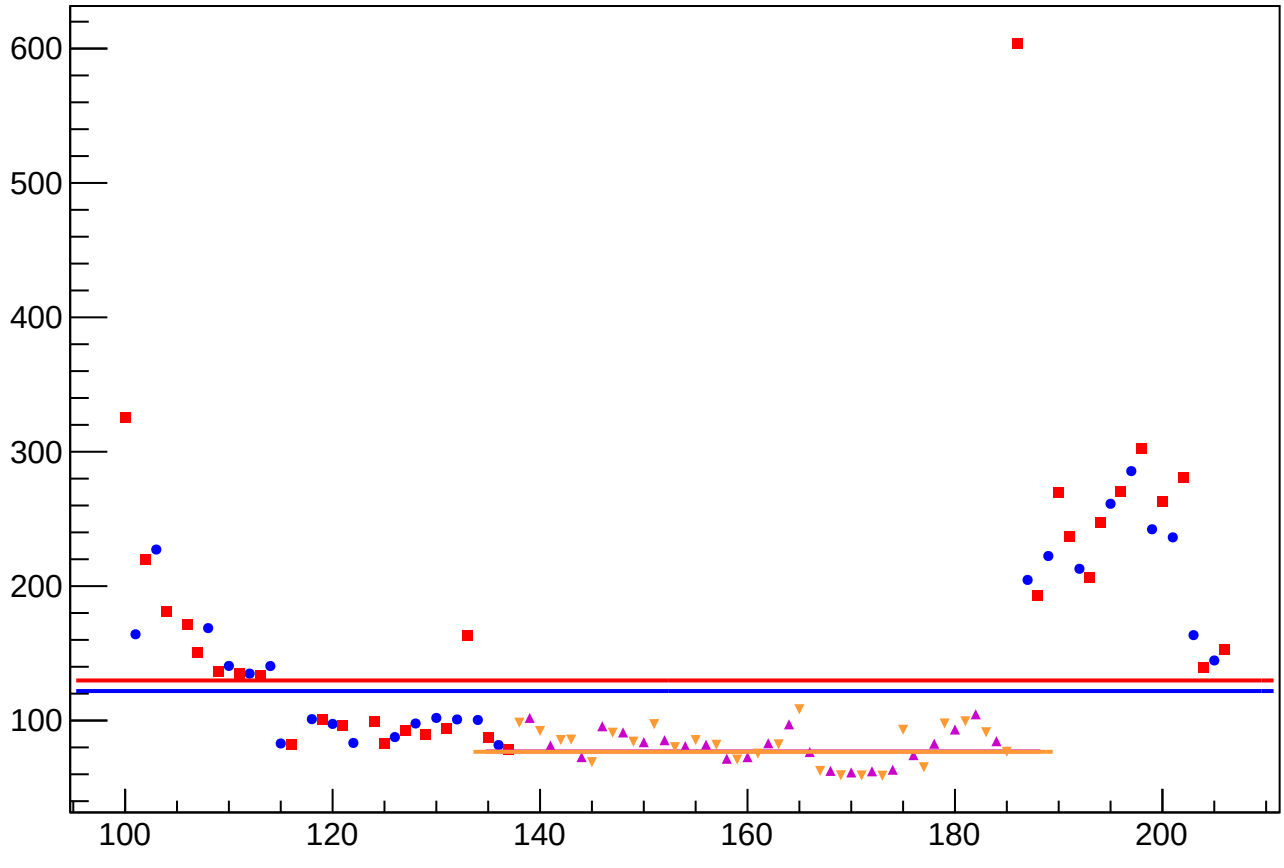
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 11.565+/-25.235 χ^2/NDF: 69.1/55

In: 61.981+/-16.426 χ^2/NDF:58.3/47

Out: 42.727+/-16.032 χ^2/NDF:86.5/55

All: 52.120+/-11.473 χ^2/NDF: 145.5/103



Right In: 121.940+/-0.025 χ^2/NDF: 4056964.9/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 129.806+/-0.025 χ^2/NDF: 5426991.4/30

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

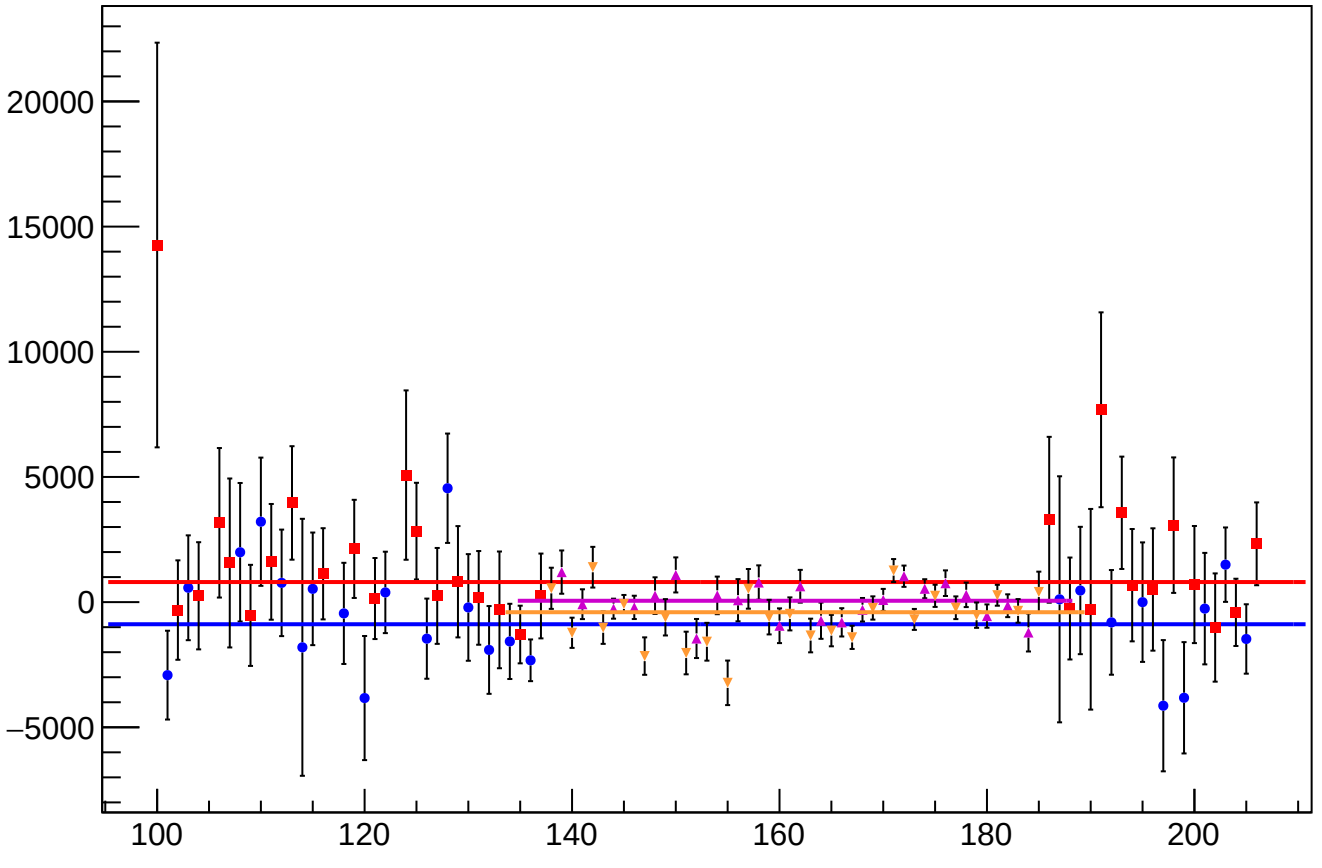
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 125.882+/-0.018 χ^2/NDF: 9532533.2/55

In: 86.513+/-0.012 χ^2/NDF:7409341.5/47

Out: 87.476+/-0.011 χ^2/NDF:10196941.9/55

All: 87.006+/-0.008 χ^2/NDF: 17609805.6/103



Right In: -883.372+/-372.035 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 802.170+/-374.269 χ^2/NDF: 22.2/30

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

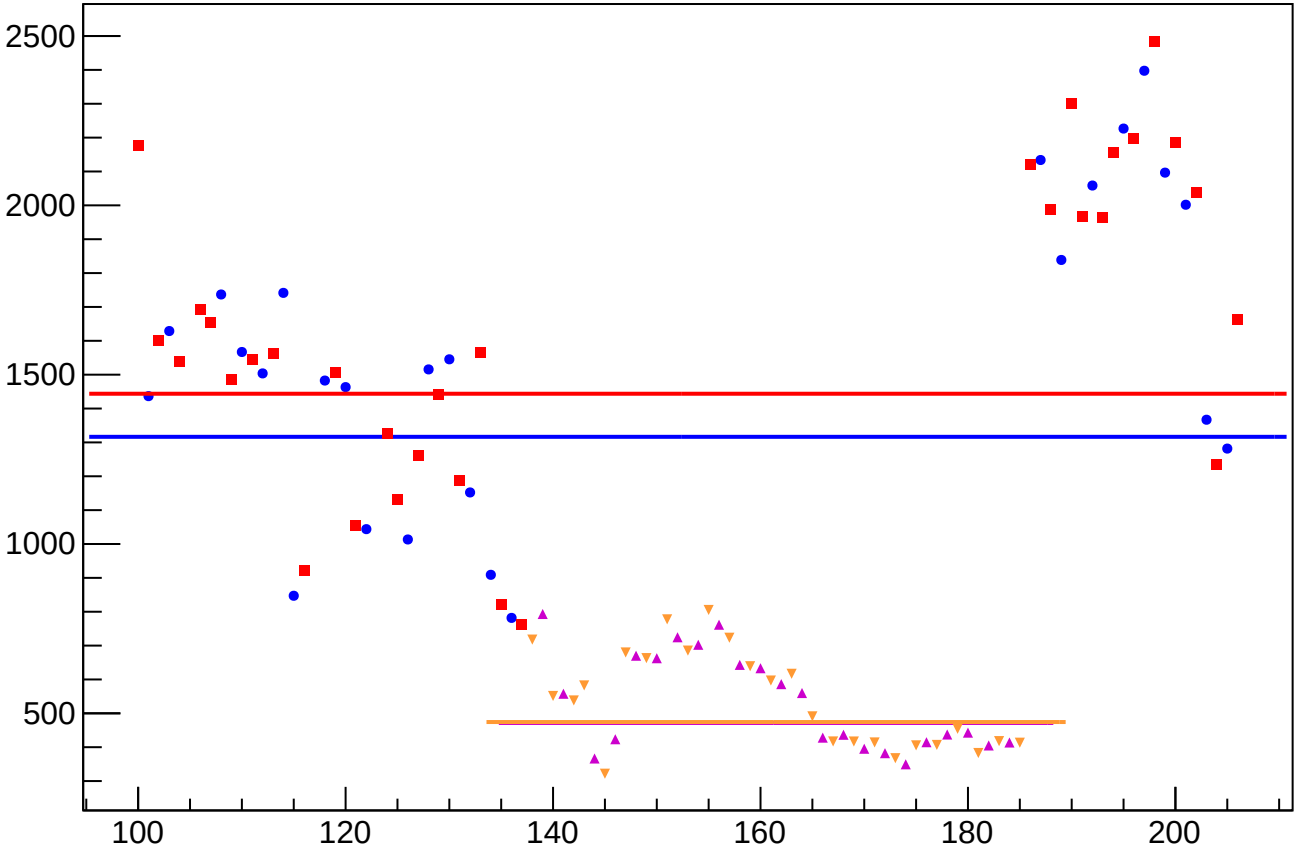
Right: -45.648+/-263.855 χ^2/NDF: 57.5/55

In: -26.573+/-109.193 χ^2/NDF:61.5/47

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -168.307+/-76.460 χ^2/NDF: 157.3/103

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1316.499+/-0.263 χ^2/NDF: 2874341.0/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1443.717+/-0.265 χ^2/NDF: 2954405.9/30

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

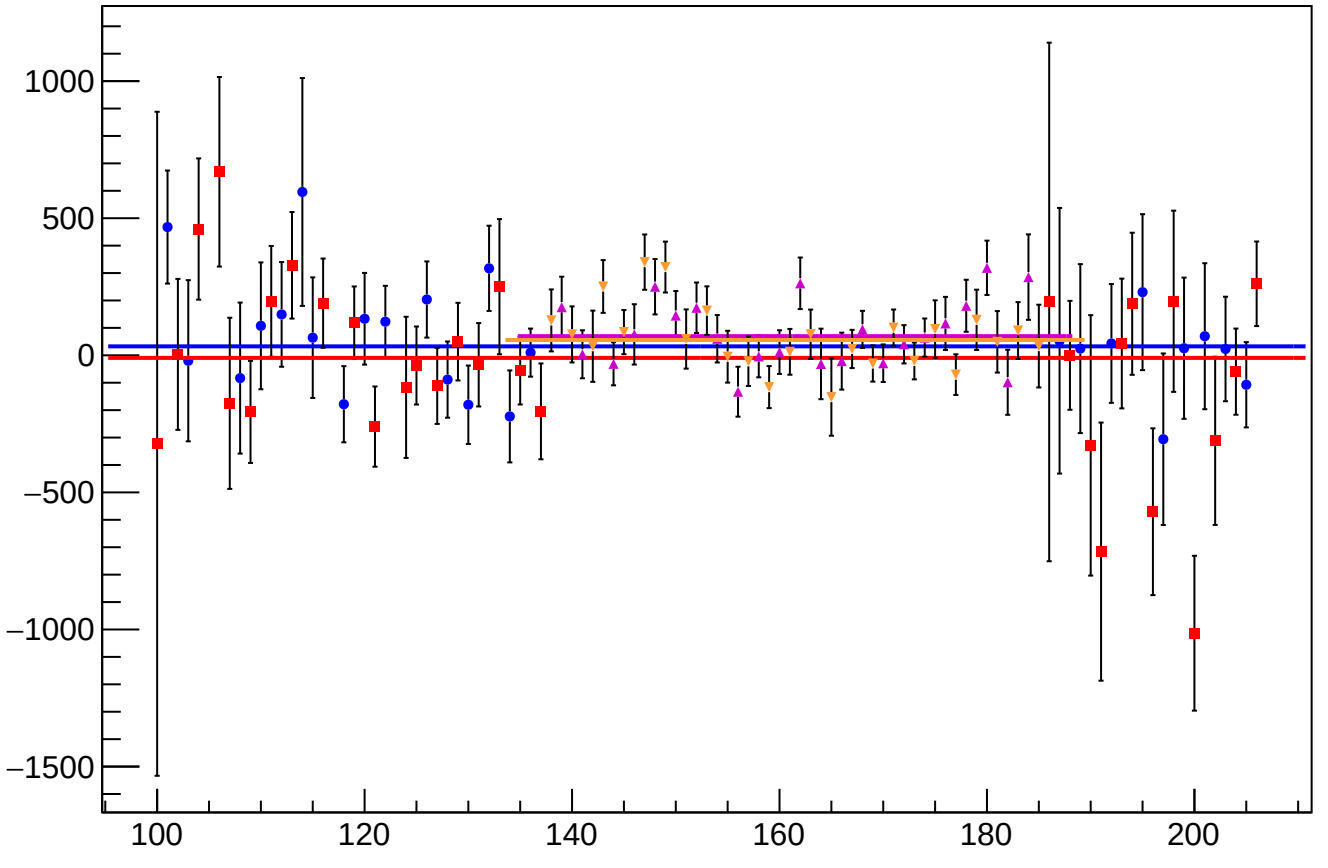
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1379.727+/-0.187 χ^2/NDF: 5944977.8/55

In: 544.251+/-0.077 χ^2/NDF:14513422.4/47

Out: 553.675+/-0.076 χ^2/NDF:17812698.1/55

All: 549.054+/-0.054 χ^2/NDF: 32333714.3/10



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.422+/-35.646 χ^2/NDF: 45.5/30

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

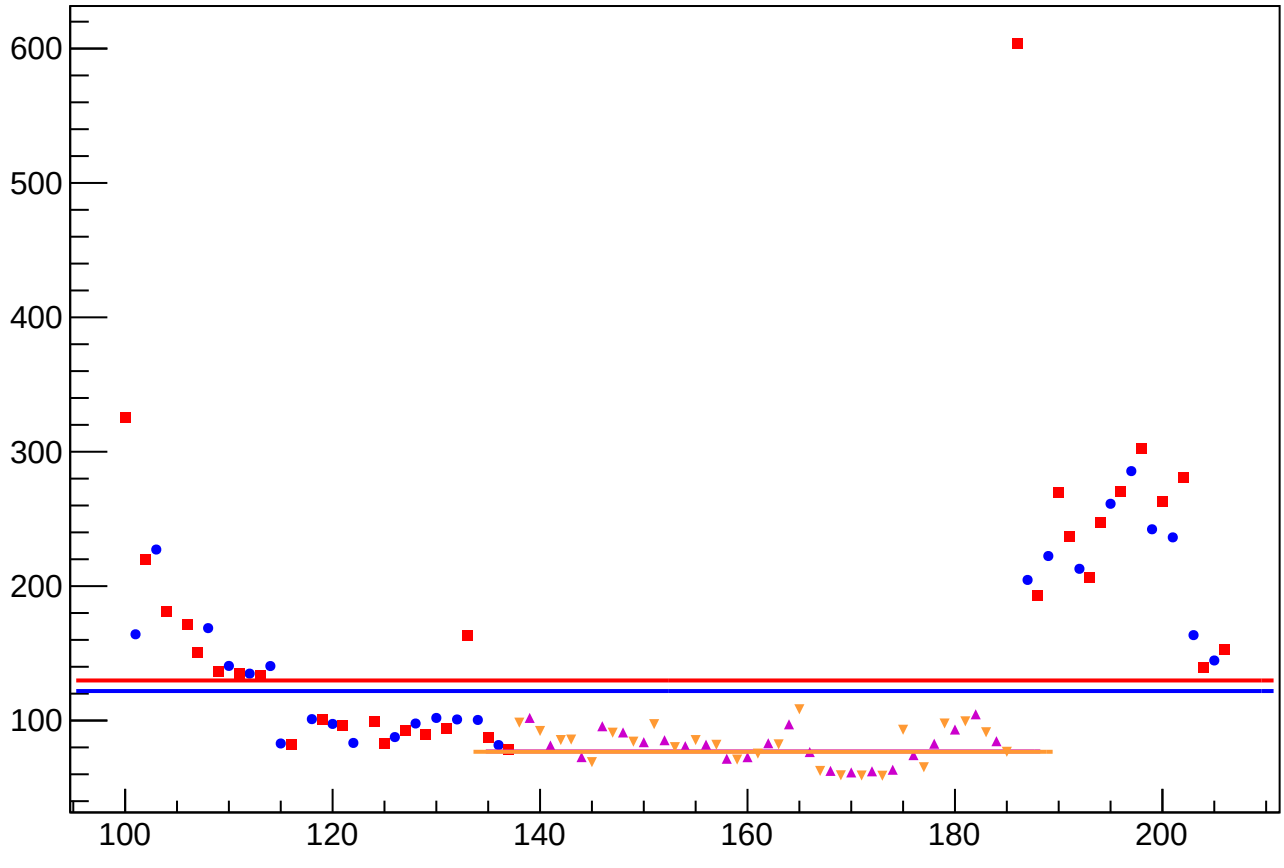
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 11.565+/-25.235 χ^2/NDF: 69.1/55

In: 61.981+/-16.426 χ^2/NDF:58.3/47

Out: 42.726+/-16.032 χ^2/NDF:86.5/55

All: 52.119+/-11.473 χ^2/NDF: 145.5/103



Right In: 121.940+/-0.025 χ^2/NDF: 4056972.2/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 129.806+/-0.025 χ^2/NDF: 5427001.1/30

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

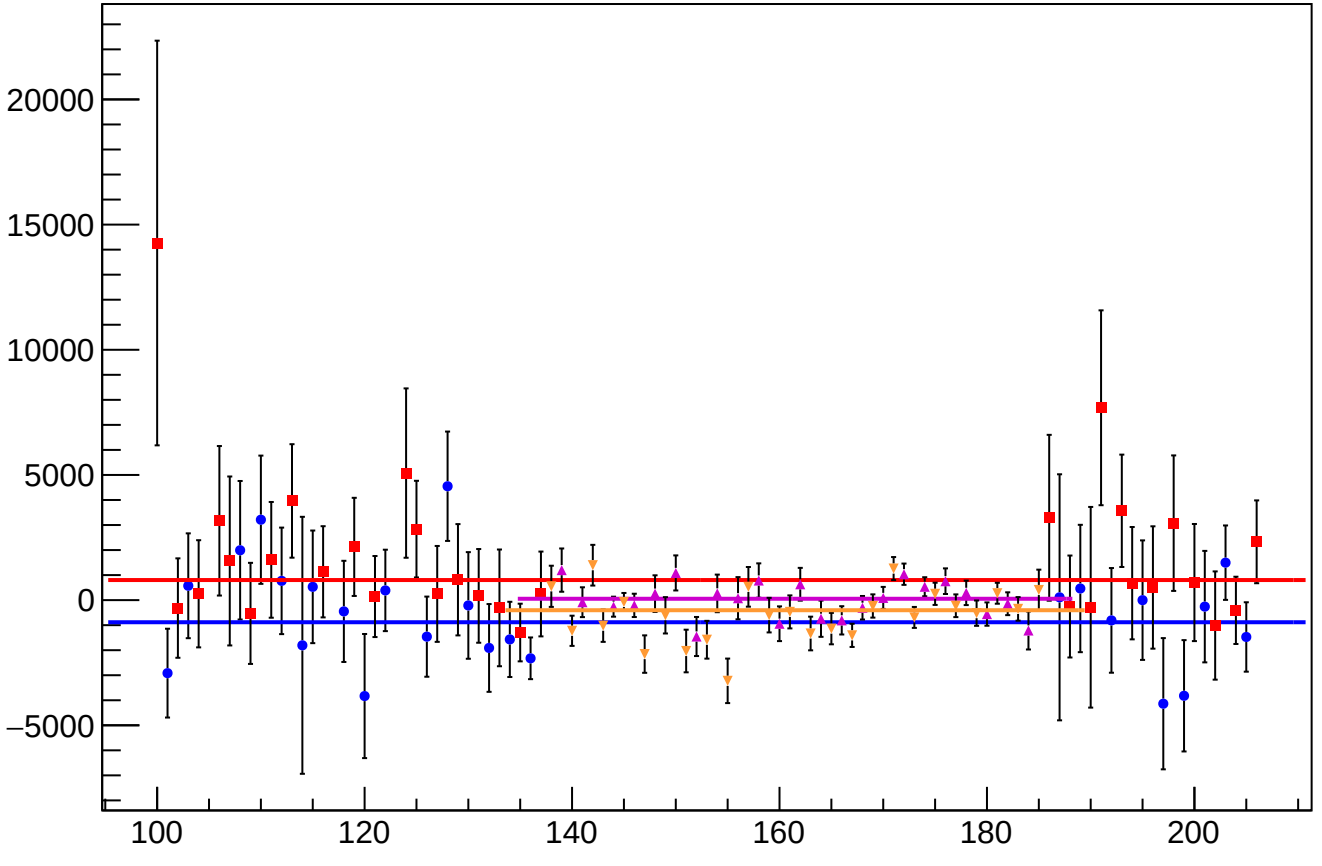
Right: 125.882+/-0.018 χ^2/NDF: 9532552.4/55

In: 86.513+/-0.012 χ^2/NDF:7409283.3/47

Out: 87.477+/-0.011 χ^2/NDF:10196901.2/55

All: 87.007+/-0.008 χ^2/NDF: 17609706.6/103

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -883.369+/-372.034 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 802.171+/-374.269 χ^2/NDF: 22.2/30

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

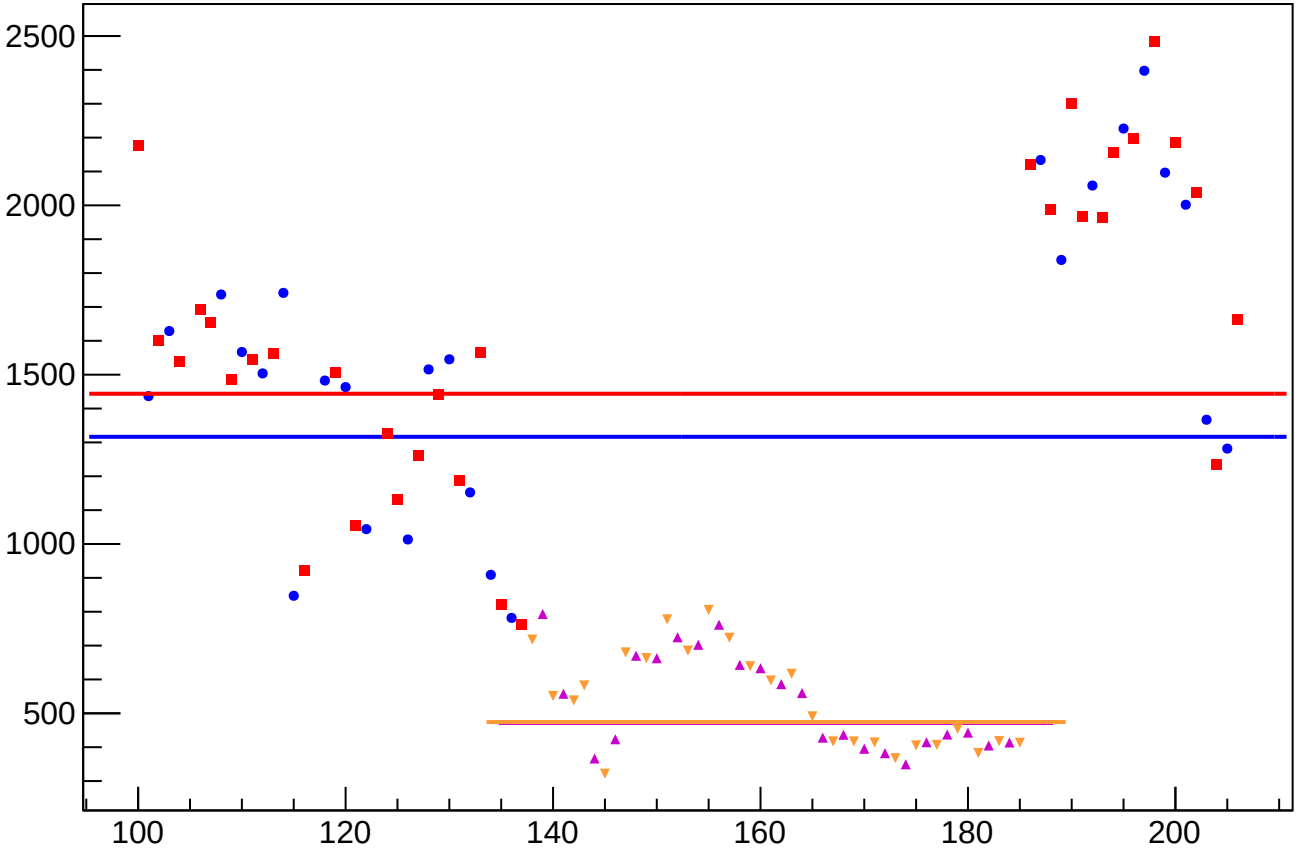
Right: -45.646+/-263.854 χ^2/NDF: 57.5/55

In: -26.573+/-109.193 χ^2/NDF:61.5/47

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -168.307+/-76.460 χ^2/NDF: 157.3/103

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1316.498+/-0.263 χ^2/NDF: 2874331.5/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1443.716+/-0.265 χ^2/NDF: 2954401.2/30

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

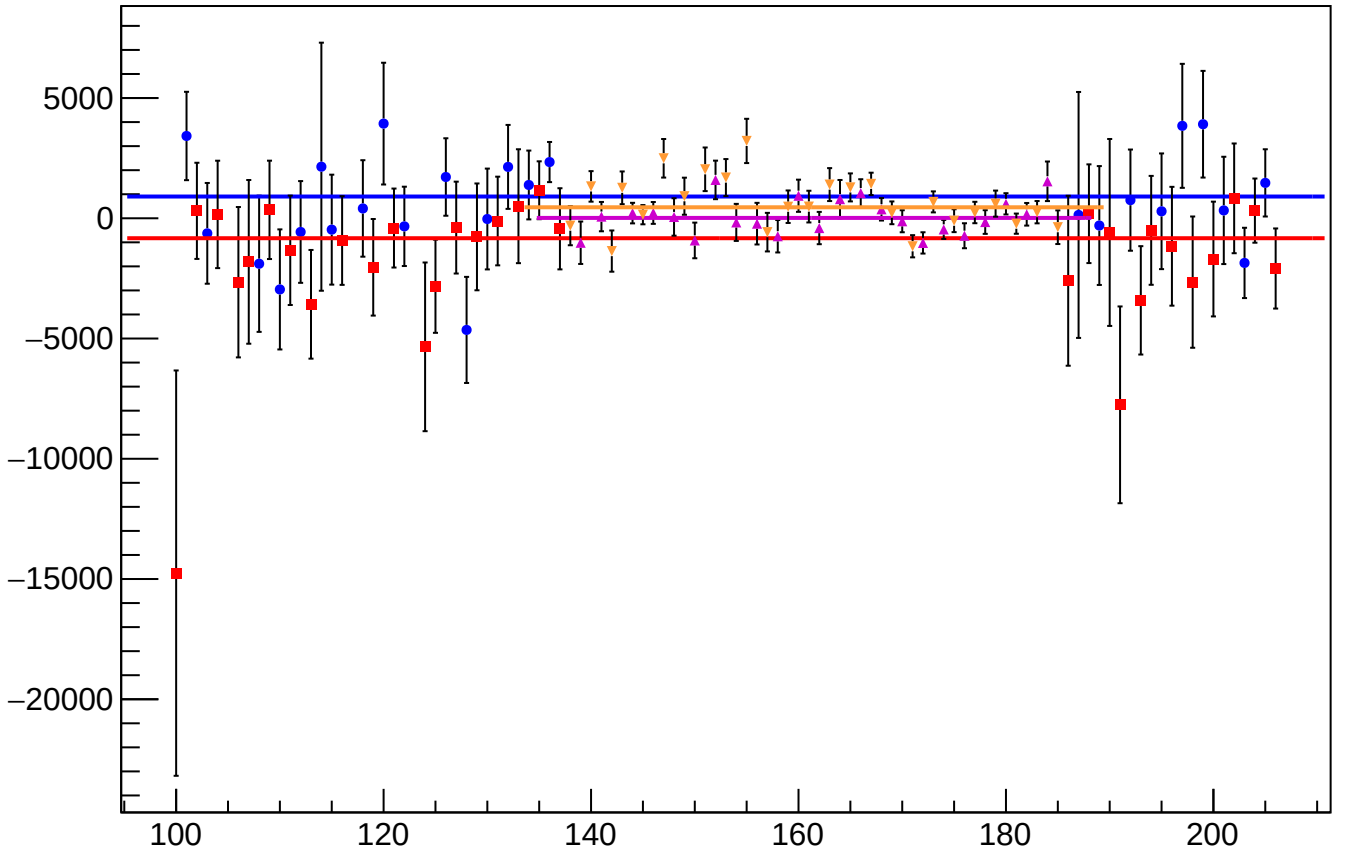
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1379.726+/-0.187 χ^2/NDF: 5944962.7/55

In: 544.250+/-0.077 χ^2/NDF:14513407.3/47

Out: 553.675+/-0.076 χ^2/NDF:17812694.2/55

All: 549.054+/-0.054 χ^2/NDF: 32333694.9/10



Right In: 904.741+/-371.667 χ^2/NDF: 26.4/24

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -828.963+/-379.129 χ^2/NDF: 19.2/30

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

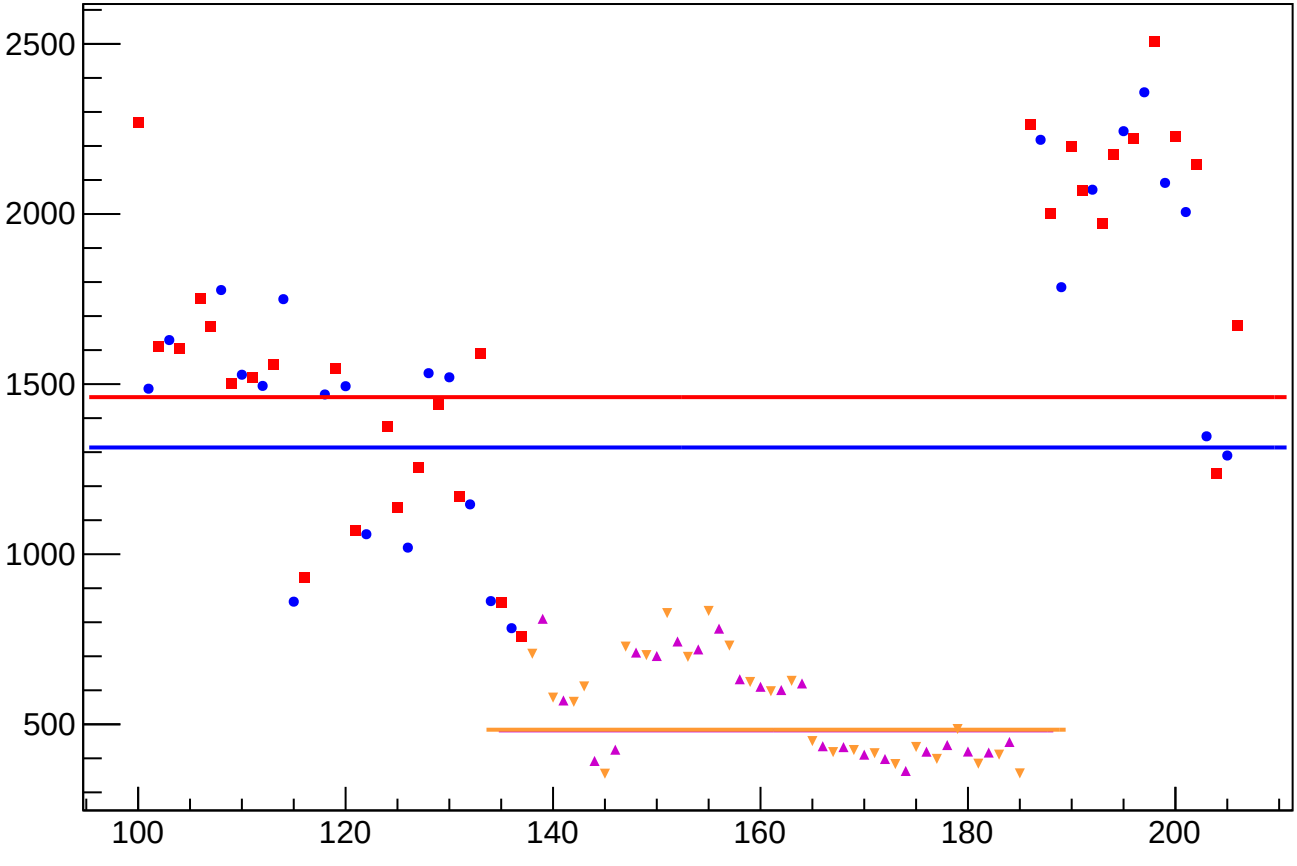
Right: 55.119+/-265.407 χ^2/NDF: 56.2/55

In: 94.930+/-111.341 χ^2/NDF:61.8/47

Out: 350.031+/-109.480 χ^2/NDF:89.1/55

All: 224.630+/-78.064 χ^2/NDF: 153.6/103

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1313.764+/-0.263 χ^2/NDF: 2903274.3/24

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1461.720+/-0.268 χ^2/NDF: 2954362.6/30

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

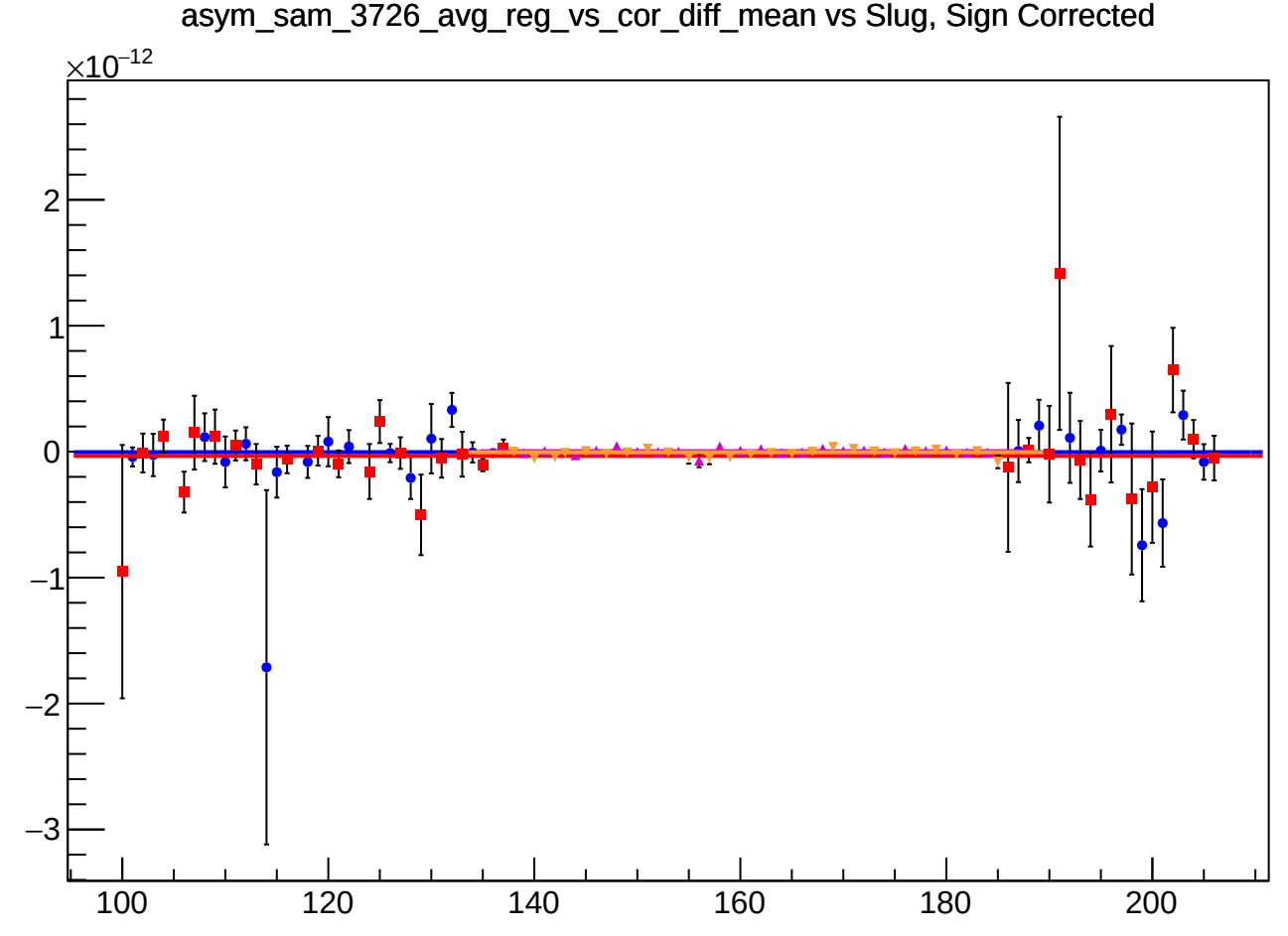
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1386.271+/-0.188 χ^2/NDF: 6012960.9/55

In: 556.791+/-0.079 χ^2/NDF:14204162.6/47

Out: 565.646+/-0.077 χ^2/NDF:17691522.4/55

All: 561.293+/-0.055 χ^2/NDF: 31902116.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

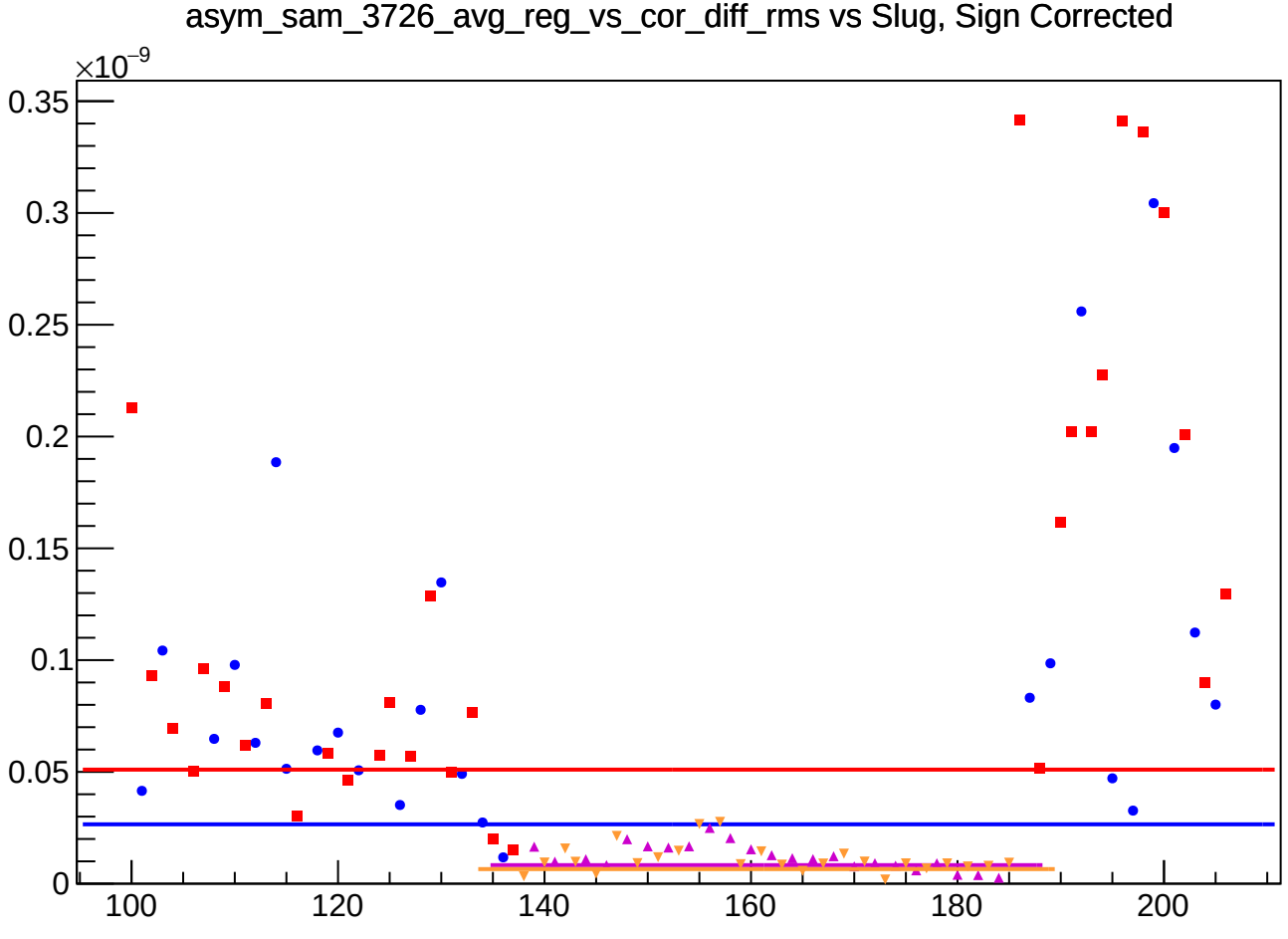
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 48.2/55

In: 0.000+/-0.000 χ^2/NDF:38.3/47

Out: -0.000+/-0.000 χ^2/NDF:56.4/55

All: -0.000+/-0.000 χ^2/NDF: 98.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 6099707.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6190867.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

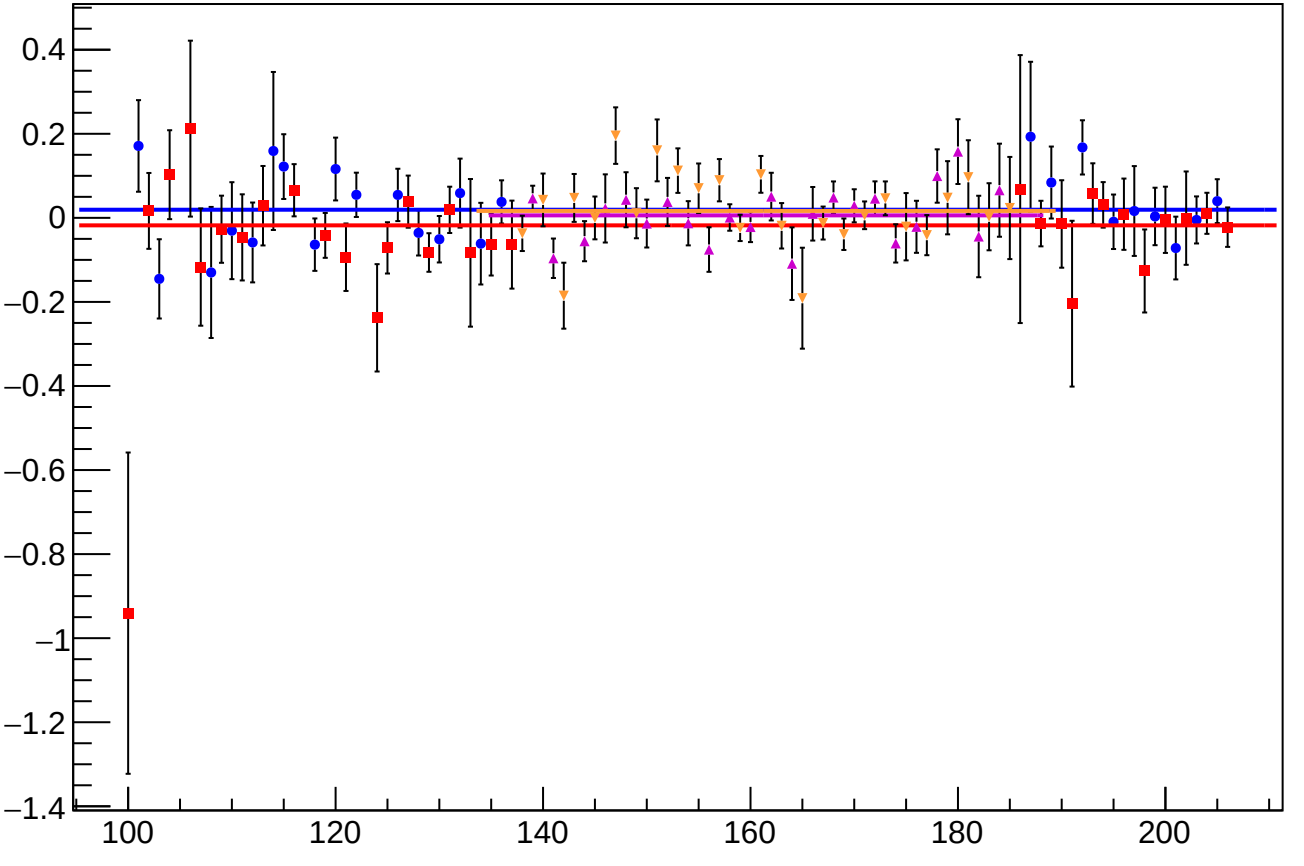
Right: 0.000+/-0.000 χ^2/NDF: 13608909.5/55

In: 0.000+/-0.000 χ^2/NDF:11161668.1/47

Out: 0.000+/-0.000 χ^2/NDF:16140569.7/55

All: 0.000+/-0.000 χ^2/NDF: 27629127.5/103

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

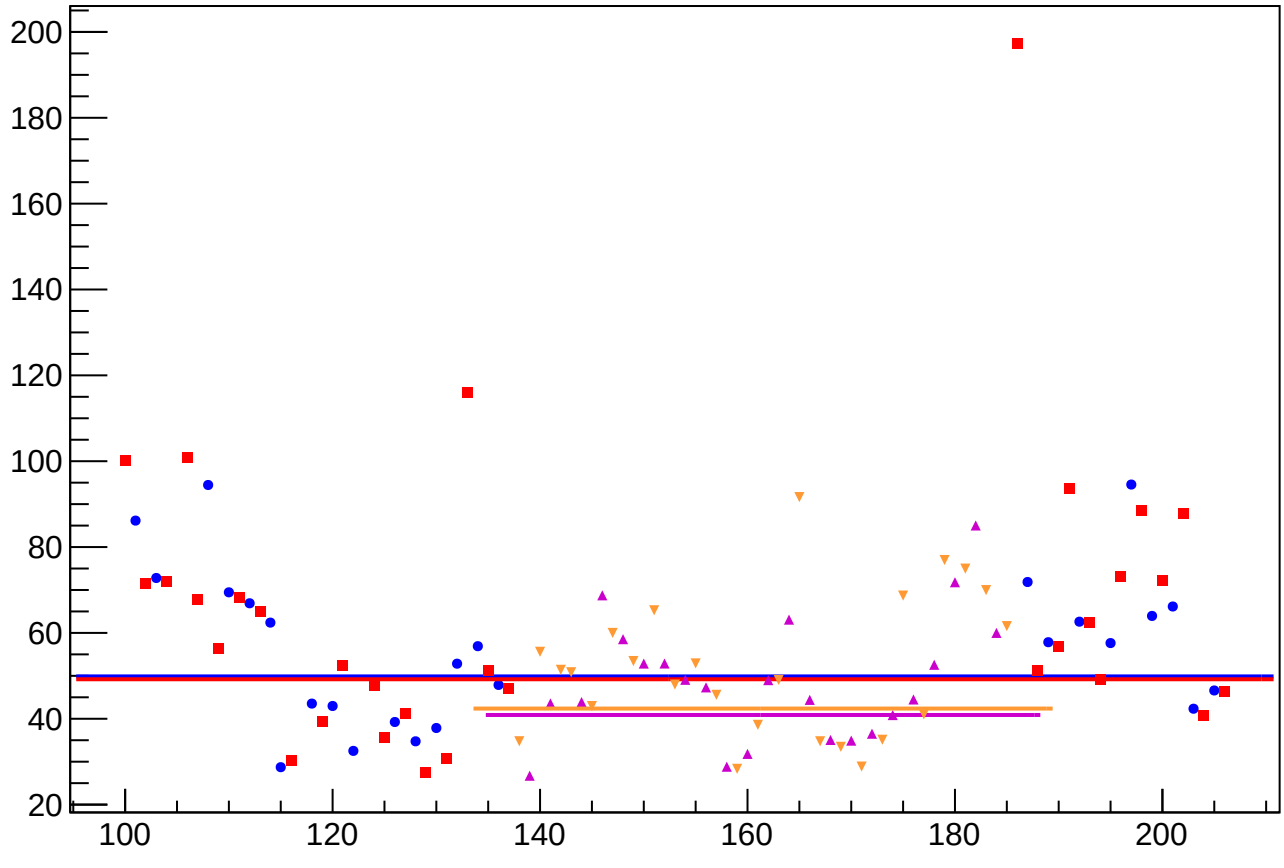
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.001+/-0.010 χ^2/NDF: 54.0/55

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.007+/-0.006 χ^2/NDF: 122.4/103



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

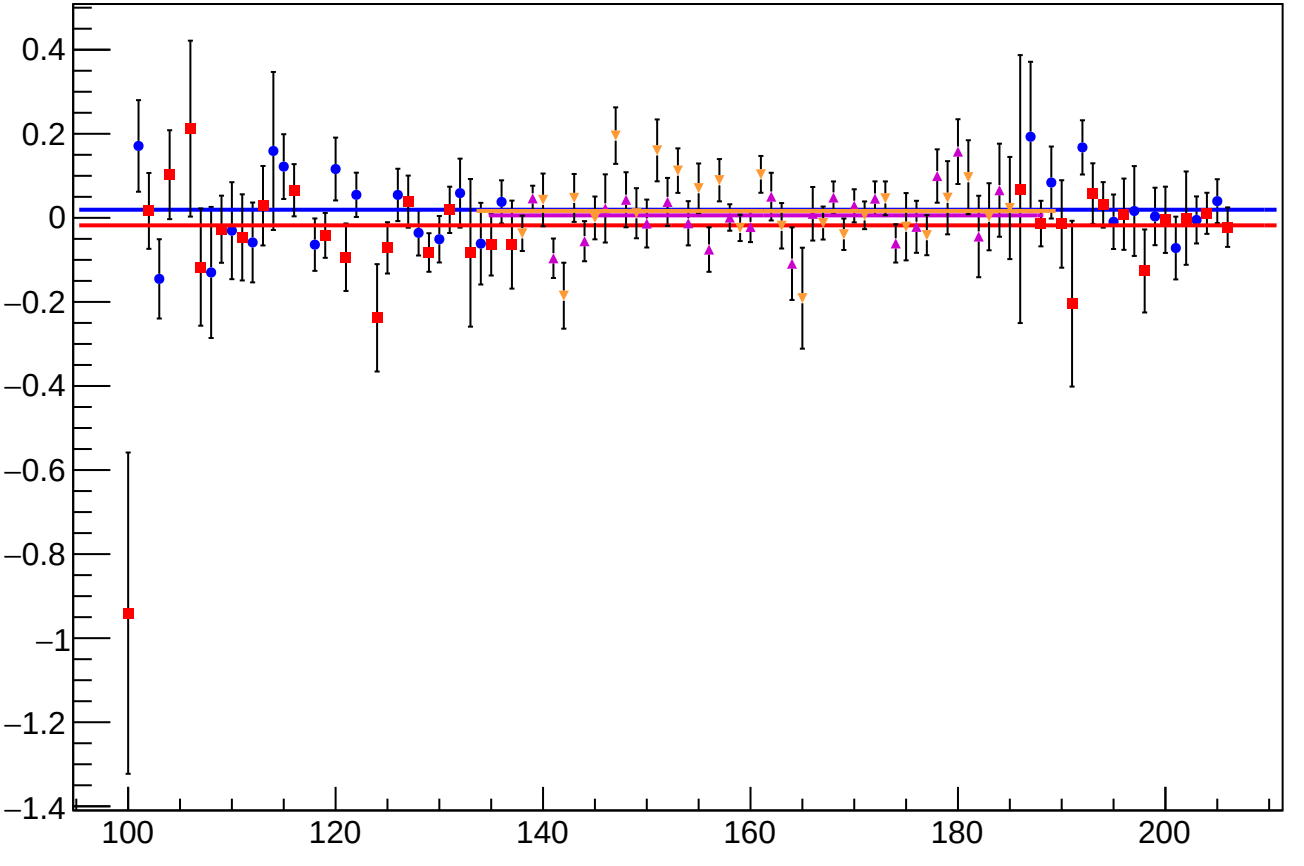
Right: 49.512+/-0.007 χ^2/NDF: 5571382.8/55

In: 43.902+/-0.006 χ^2/NDF:5286764.5/47

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.412+/-0.004 χ^2/NDF: 12288794.2/103

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

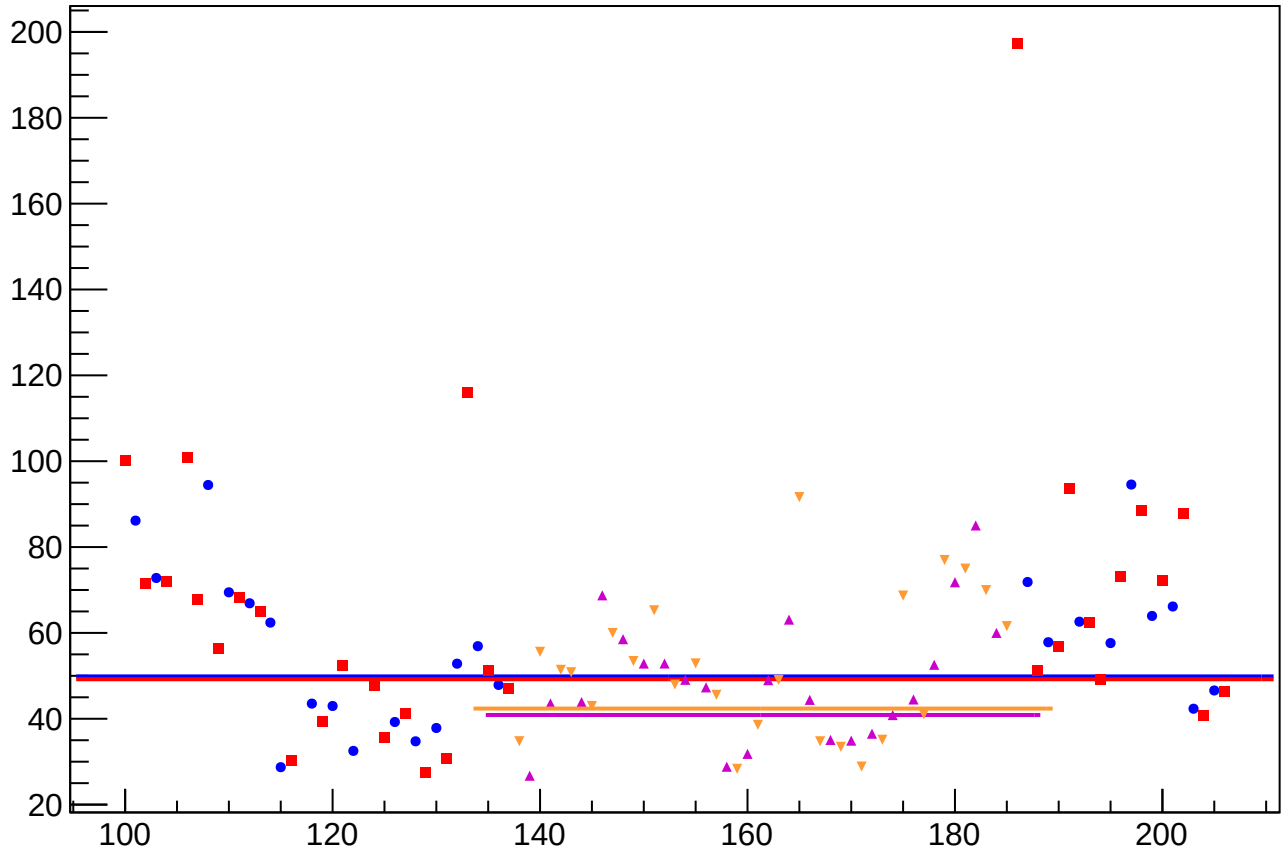
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.001+/-0.010 χ^2/NDF: 54.0/55

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.007+/-0.006 χ^2/NDF: 122.4/103



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

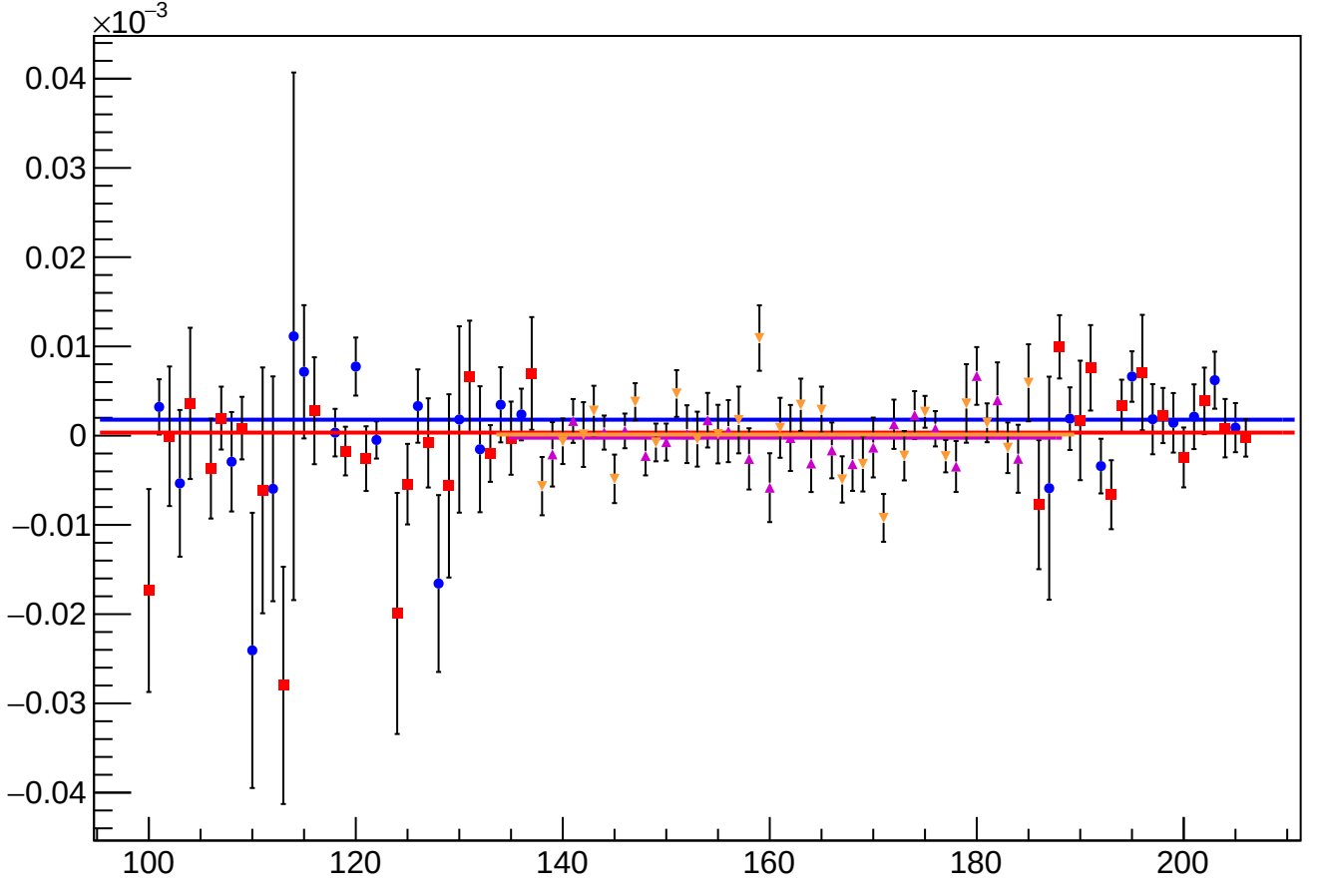
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.512+/-0.007 χ^2/NDF: 5571382.8/55

In: 43.902+/-0.006 χ^2/NDF:5286764.5/47

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.412+/-0.004 χ^2/NDF: 12288794.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

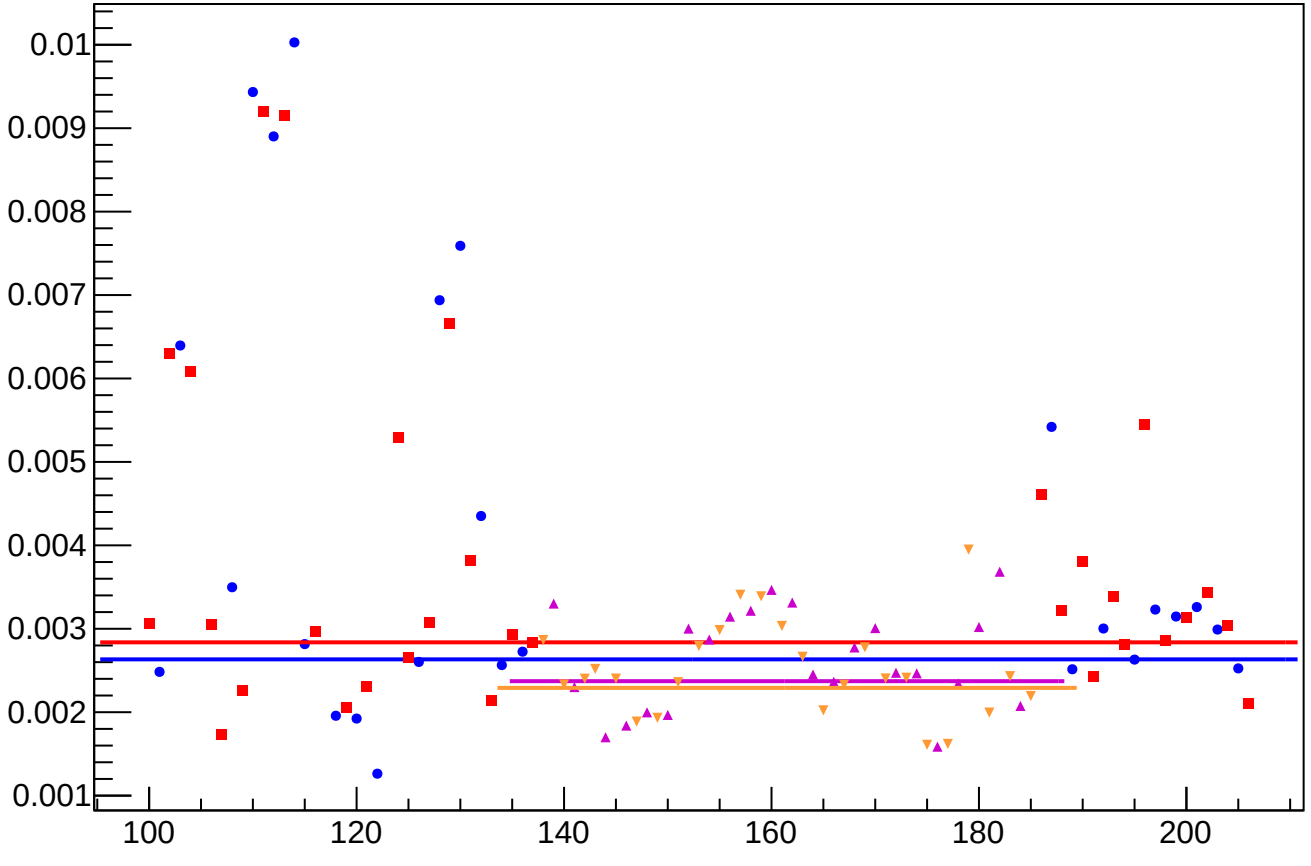
Right: 0.000+/-0.000 χ^2/NDF: 59.2/55

In: 0.000+/-0.000 χ^2/NDF:42.8/47

Out: 0.000+/-0.000 χ^2/NDF:84.8/55

All: 0.000+/-0.000 χ^2/NDF: 127.8/103

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3831801.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3409059.5/30

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

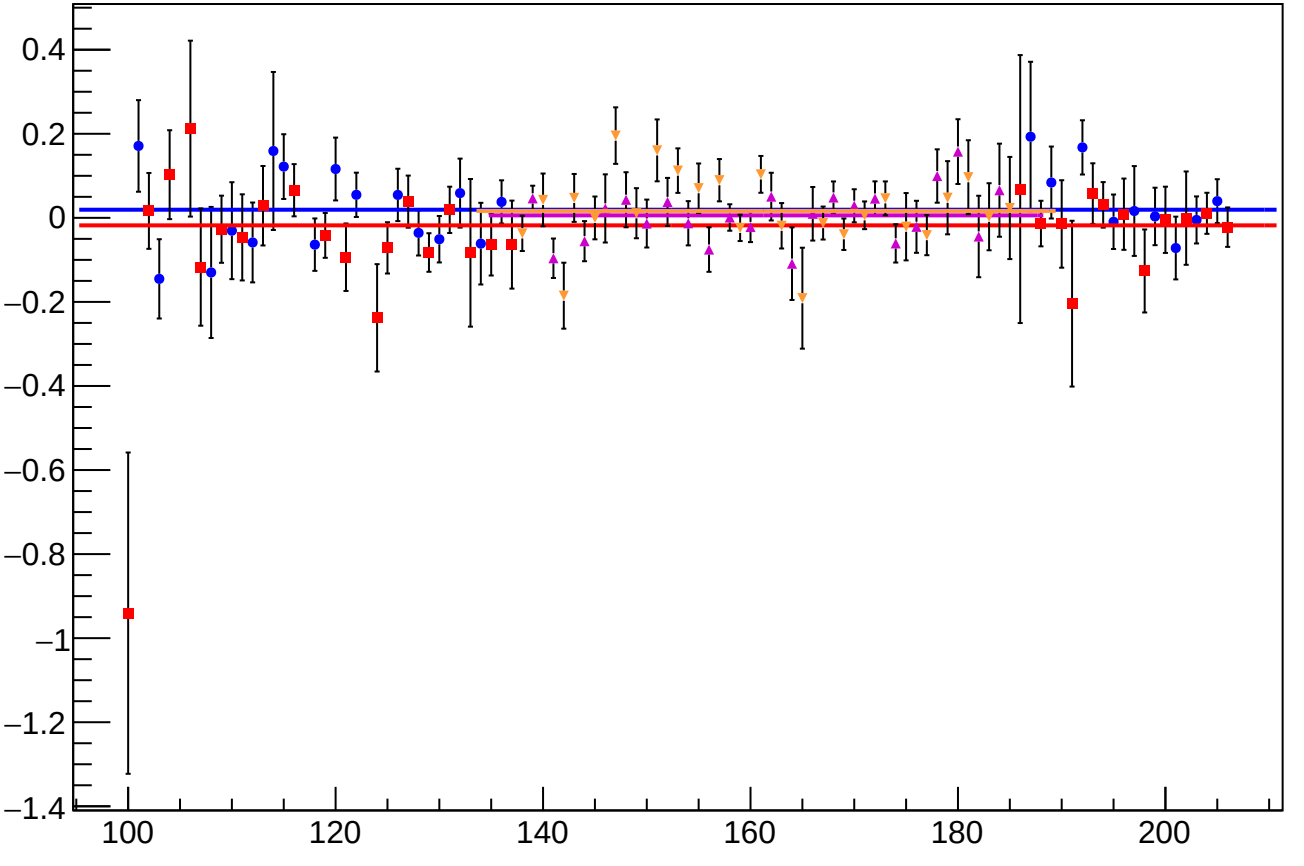
Right: 0.003+/-0.000 χ^2/NDF: 7312763.7/55

In: 0.002+/-0.000 χ^2/NDF:6000390.9/47

Out: 0.002+/-0.000 χ^2/NDF:5921338.7/55

All: 0.002+/-0.000 χ^2/NDF: 11922070.0/103

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

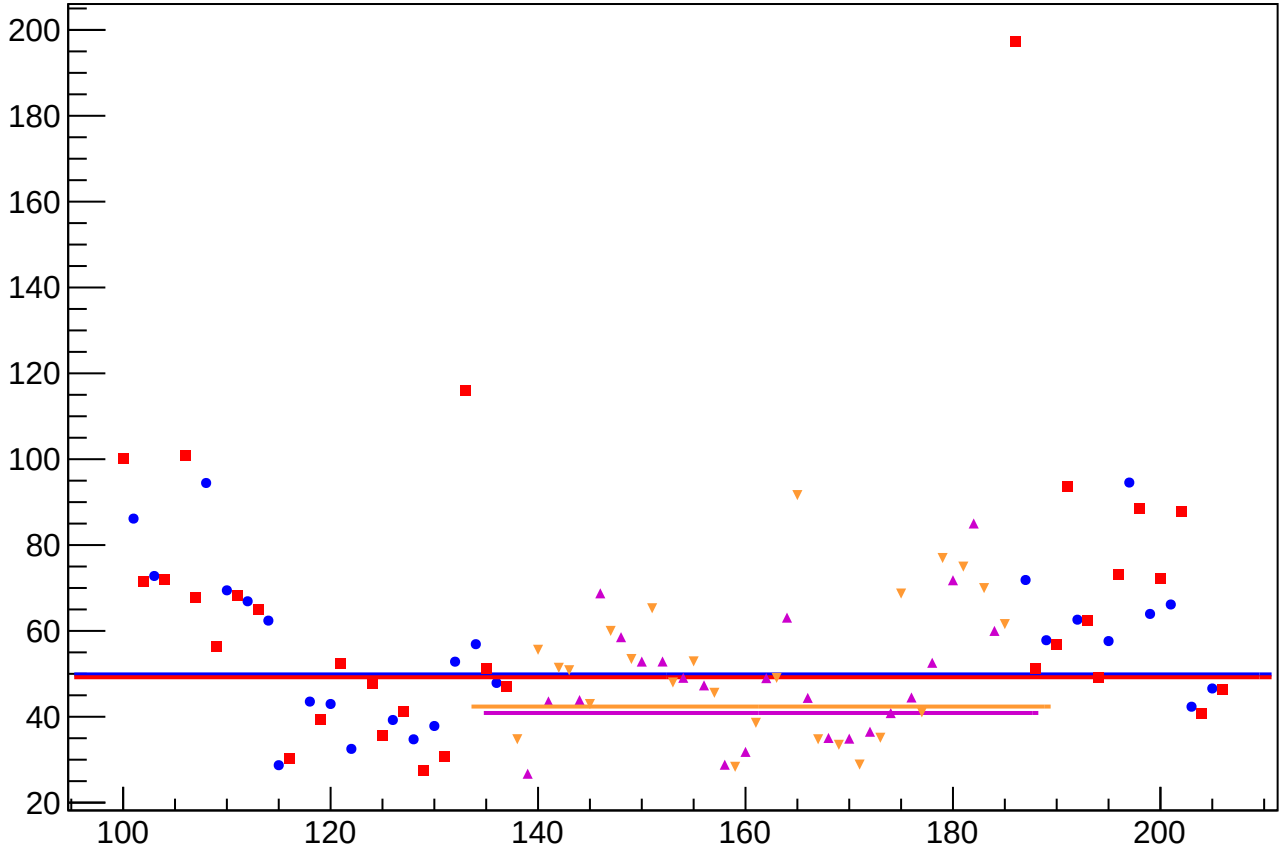
Right: -0.001+/-0.010 χ^2/NDF: 54.0/55

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.007+/-0.006 χ^2/NDF: 122.4/103

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

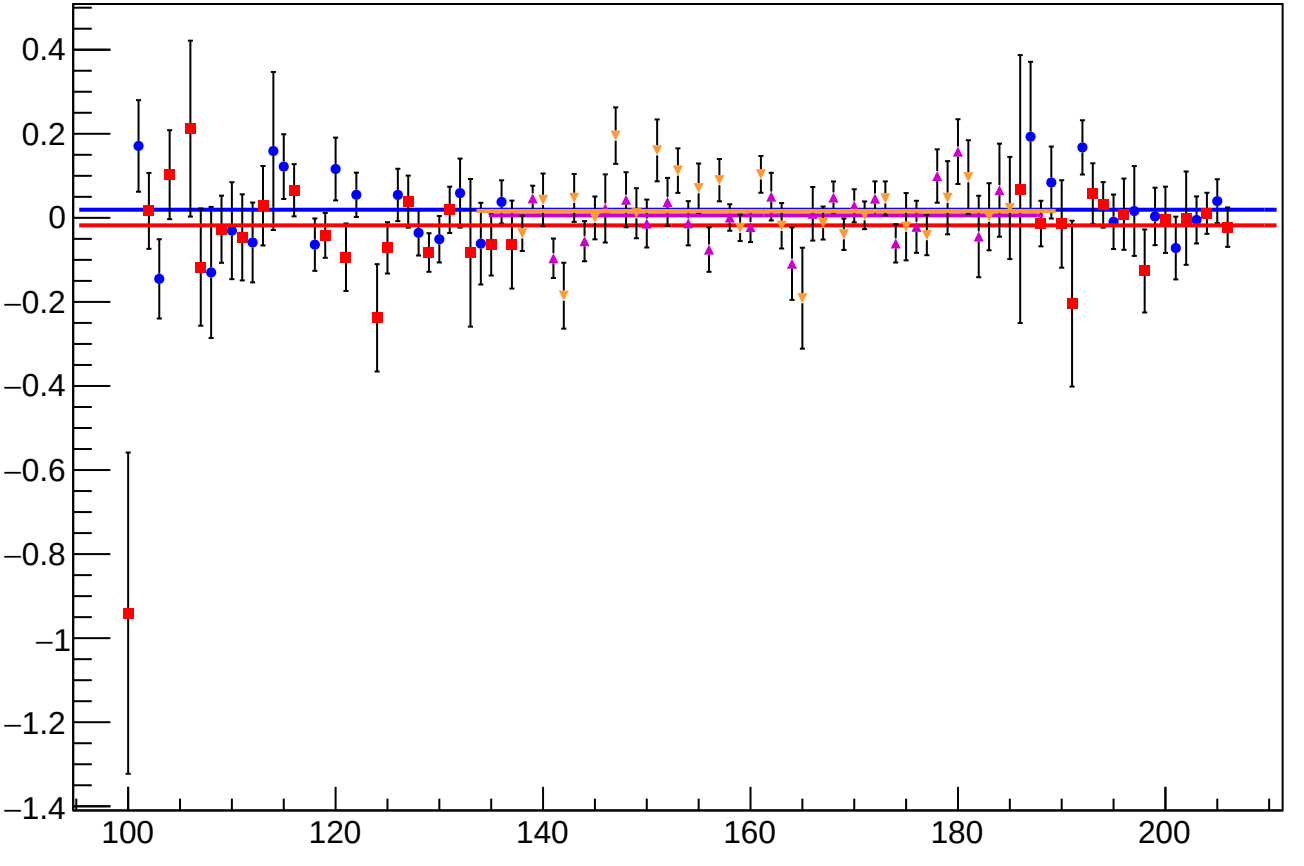
Right: 49.512+/-0.007 χ^2/NDF: 5571239.5/55

In: 43.903+/-0.006 χ^2/NDF:5286690.3/47

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.412+/-0.004 χ^2/NDF: 12288642.2/103

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

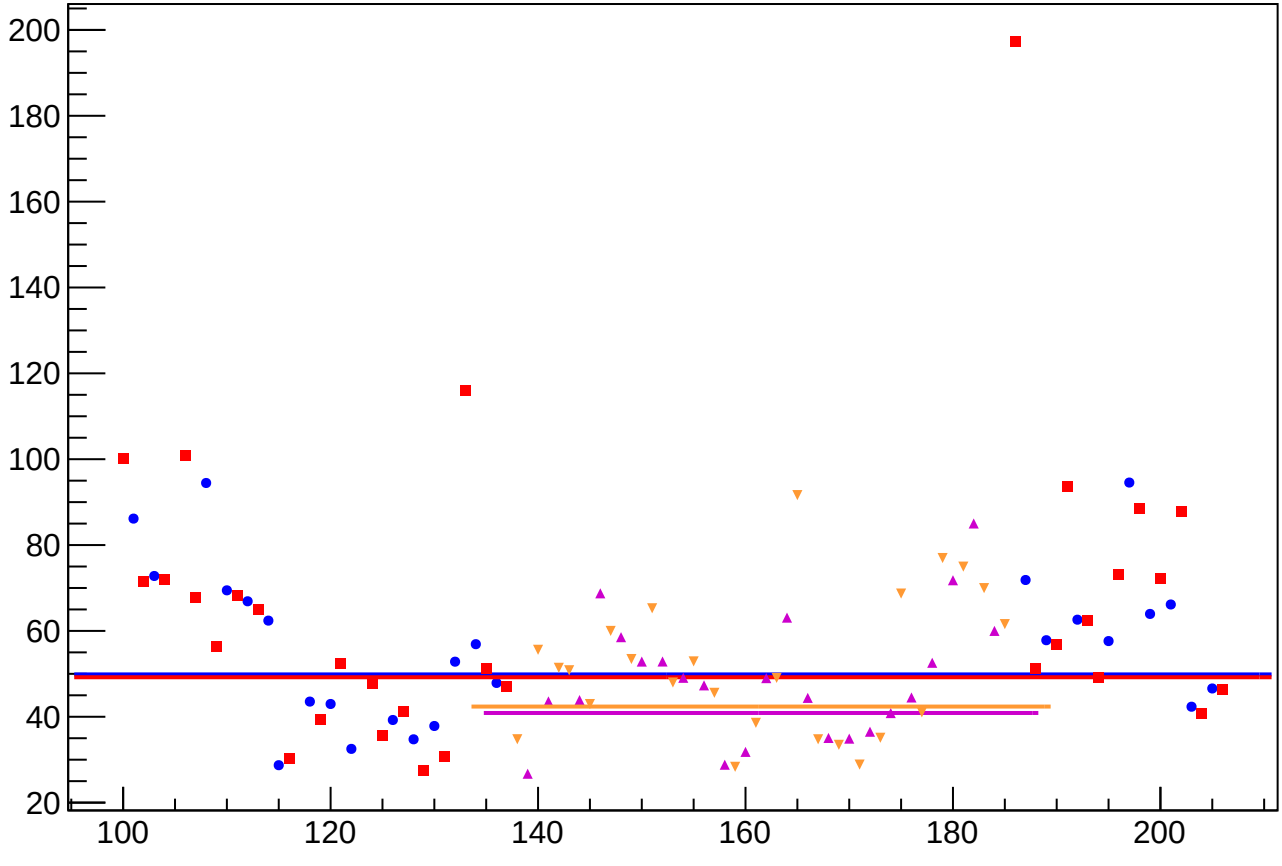
Right: -0.001+/-0.010 χ^2/NDF: 54.0/55

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.007+/-0.006 χ^2/NDF: 122.4/103

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

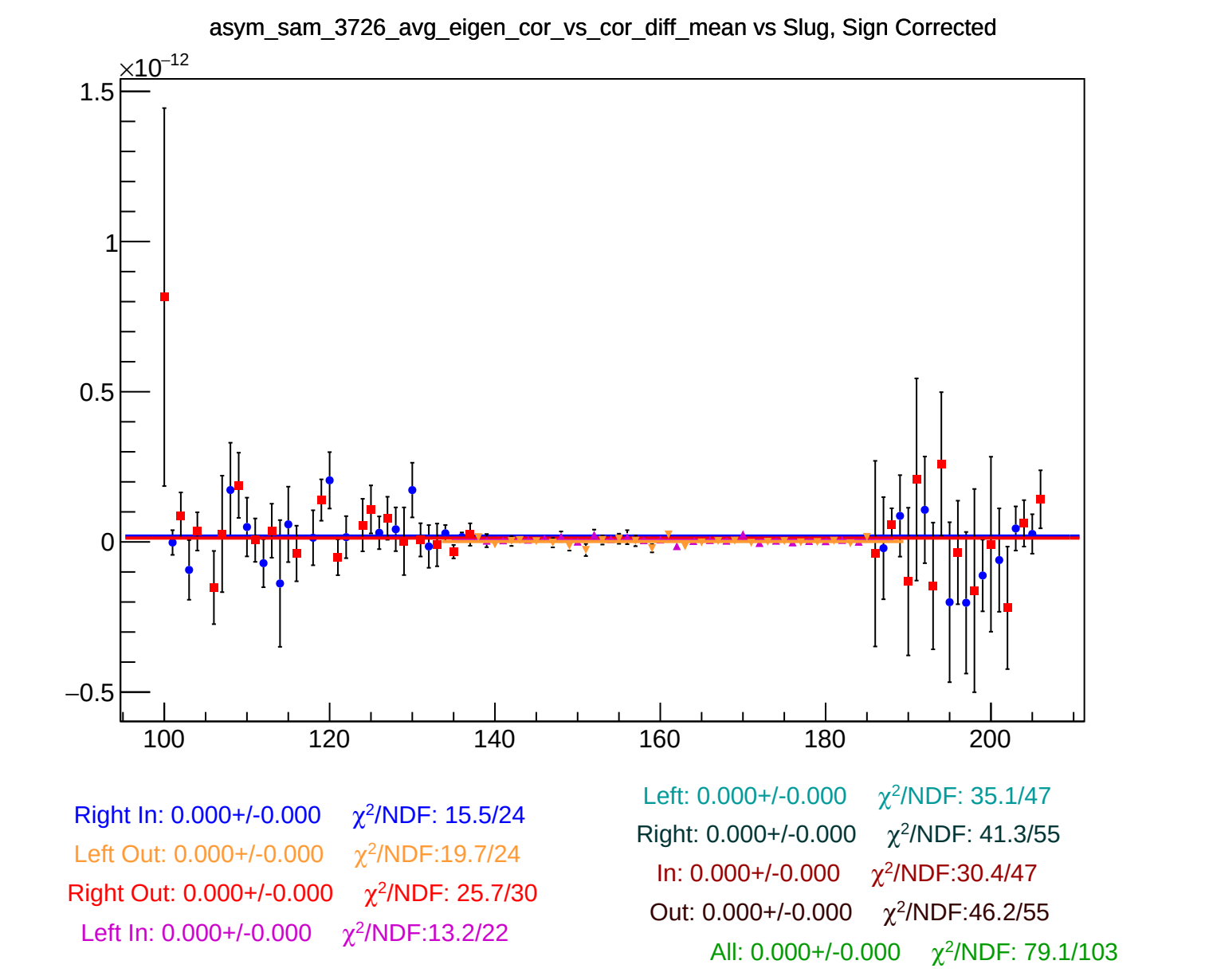
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

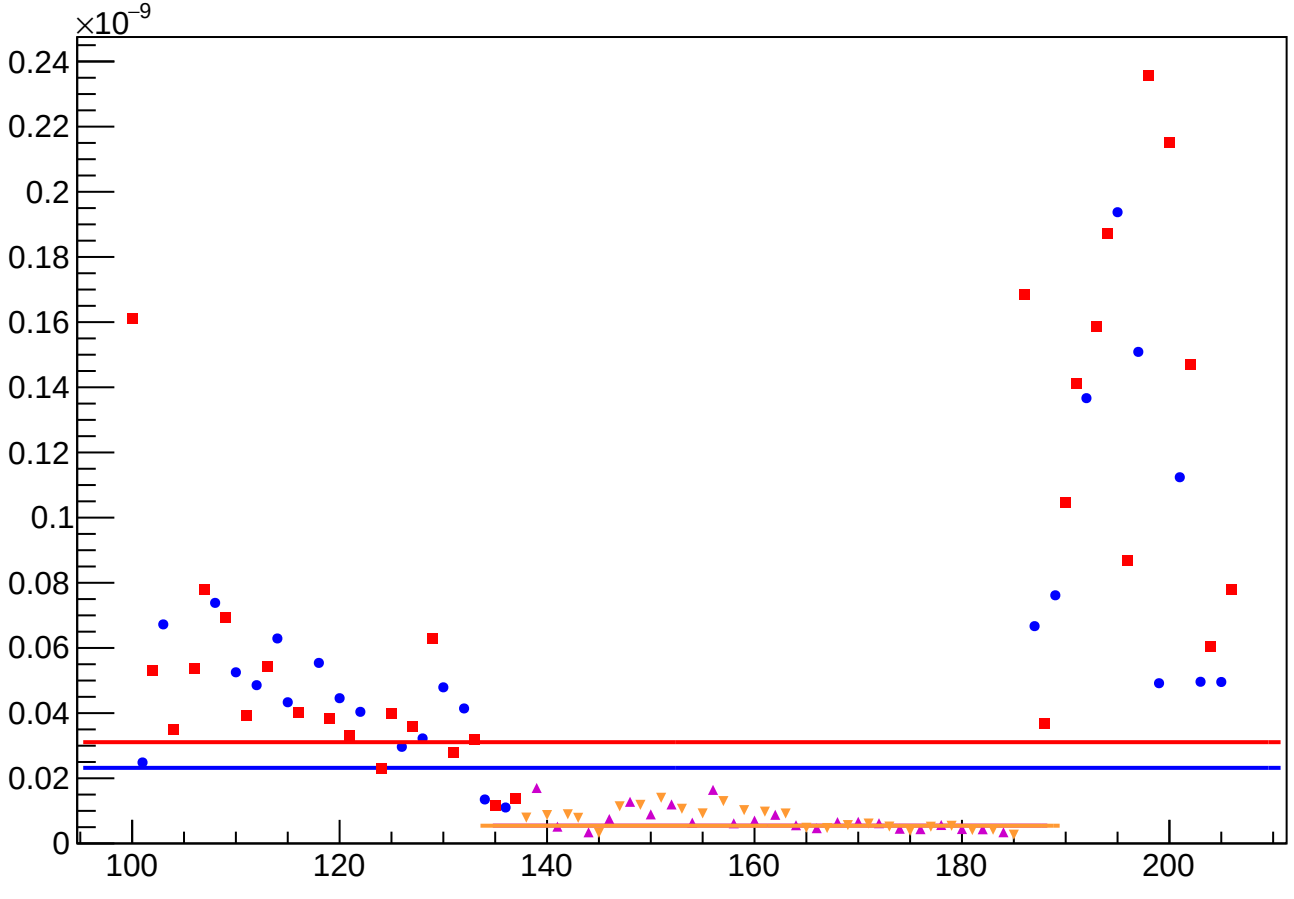
Right: 49.512+/-0.007 χ^2/NDF: 5571239.5/55

In: 43.903+/-0.006 χ^2/NDF:5286690.3/47

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.412+/-0.004 χ^2/NDF: 12288642.2/103


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.5/24
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.7/30
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 41.3/55
In: 0.000+/-0.000 χ²/NDF:30.4/47
Out: 0.000+/-0.000 χ²/NDF:46.2/55
All: 0.000+/-0.000 χ²/NDF: 79.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 7316296.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8571877.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

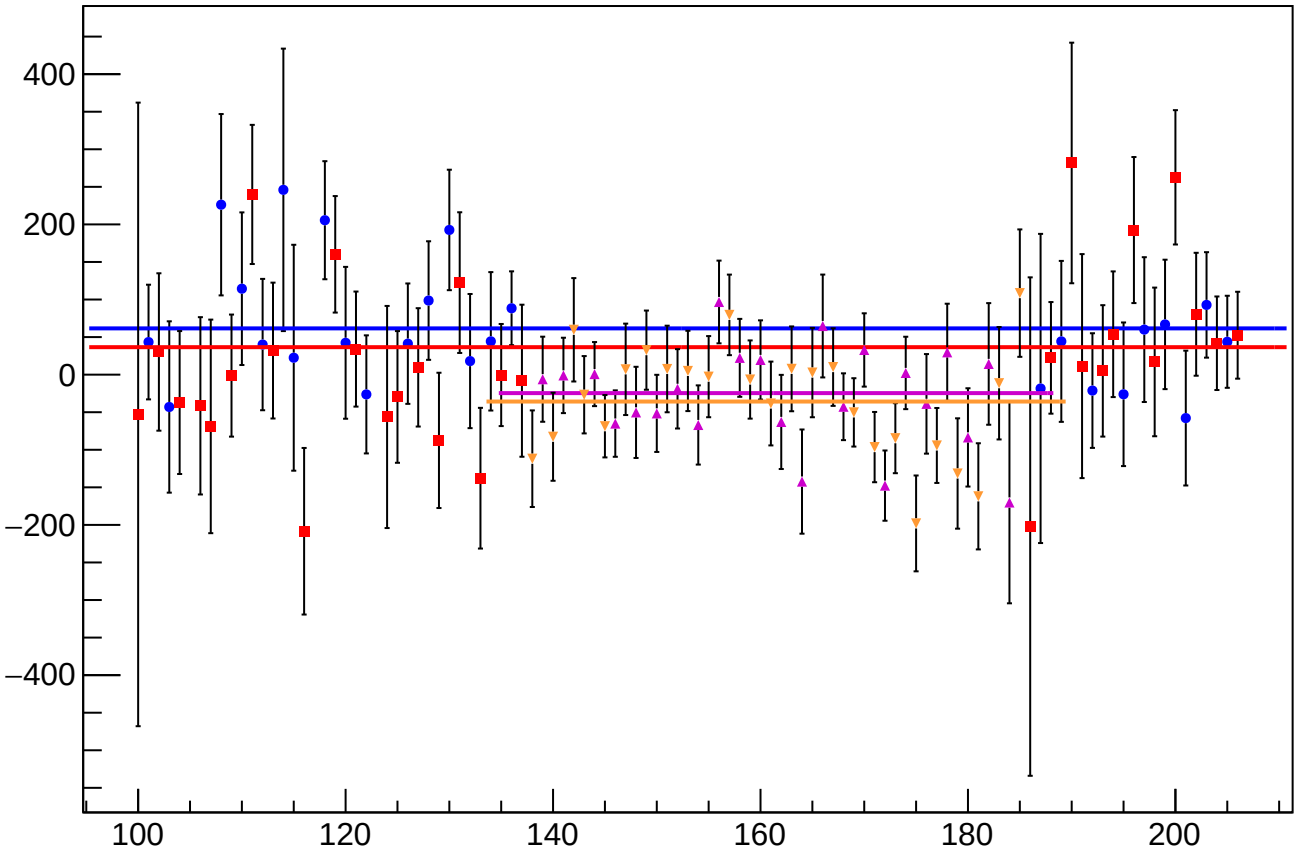
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16332774.6/55

In: 0.000+/-0.000 χ^2/NDF:15420638.4/47

Out: 0.000+/-0.000 χ^2/NDF:20217222.8/55

All: 0.000+/-0.000 χ^2/NDF: 35638788.2/103



Right In: 61.586+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.574+/-16.380 χ^2/NDF: 34.4/30

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

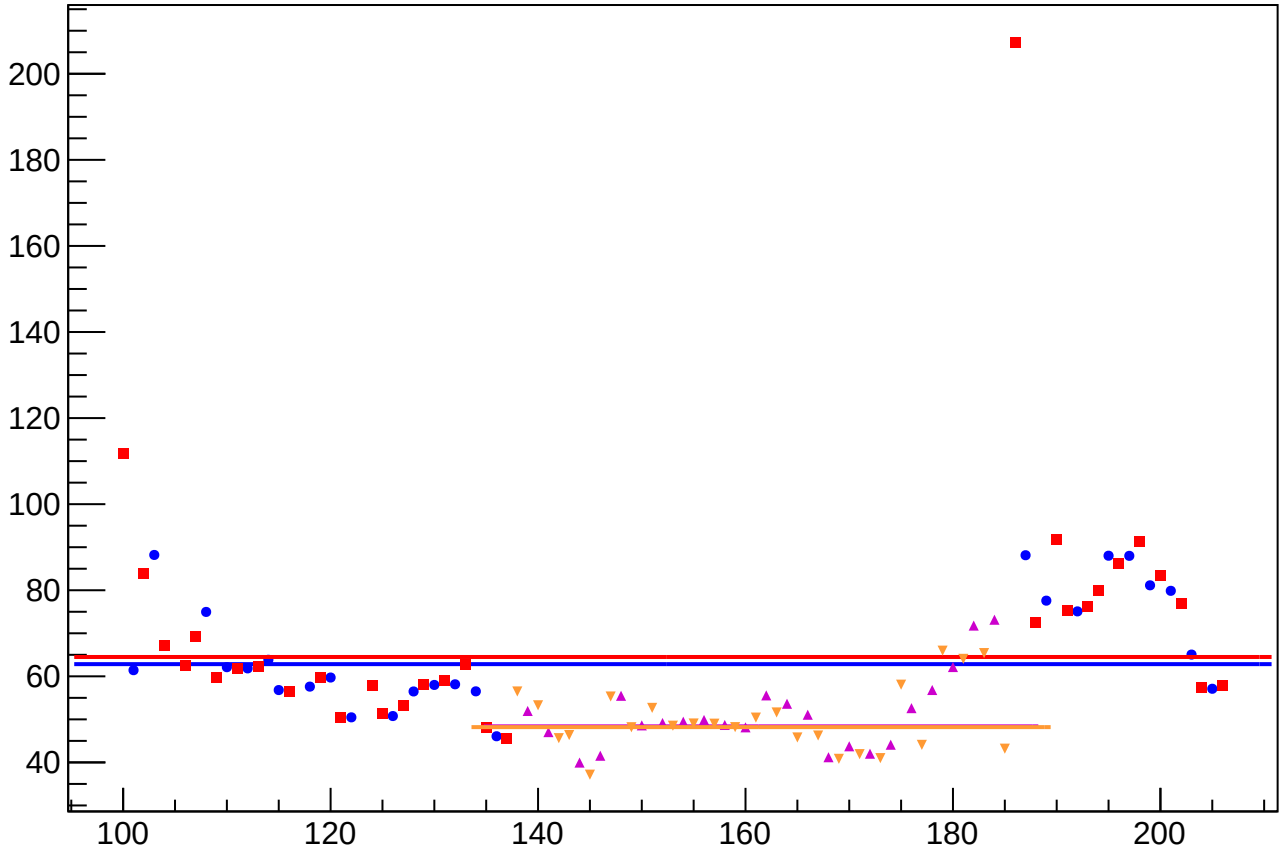
Right: 48.499+/-11.848 χ^2/NDF: 52.0/55

In: 2.040+/-9.536 χ^2/NDF:59.7/47

Out: -12.960+/-9.200 χ^2/NDF:81.4/55

All: -5.729+/-6.621 χ^2/NDF: 142.4/103

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.833+/-0.012 χ^2/NDF: 1073546.4/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.495+/-0.012 χ^2/NDF: 1487486.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

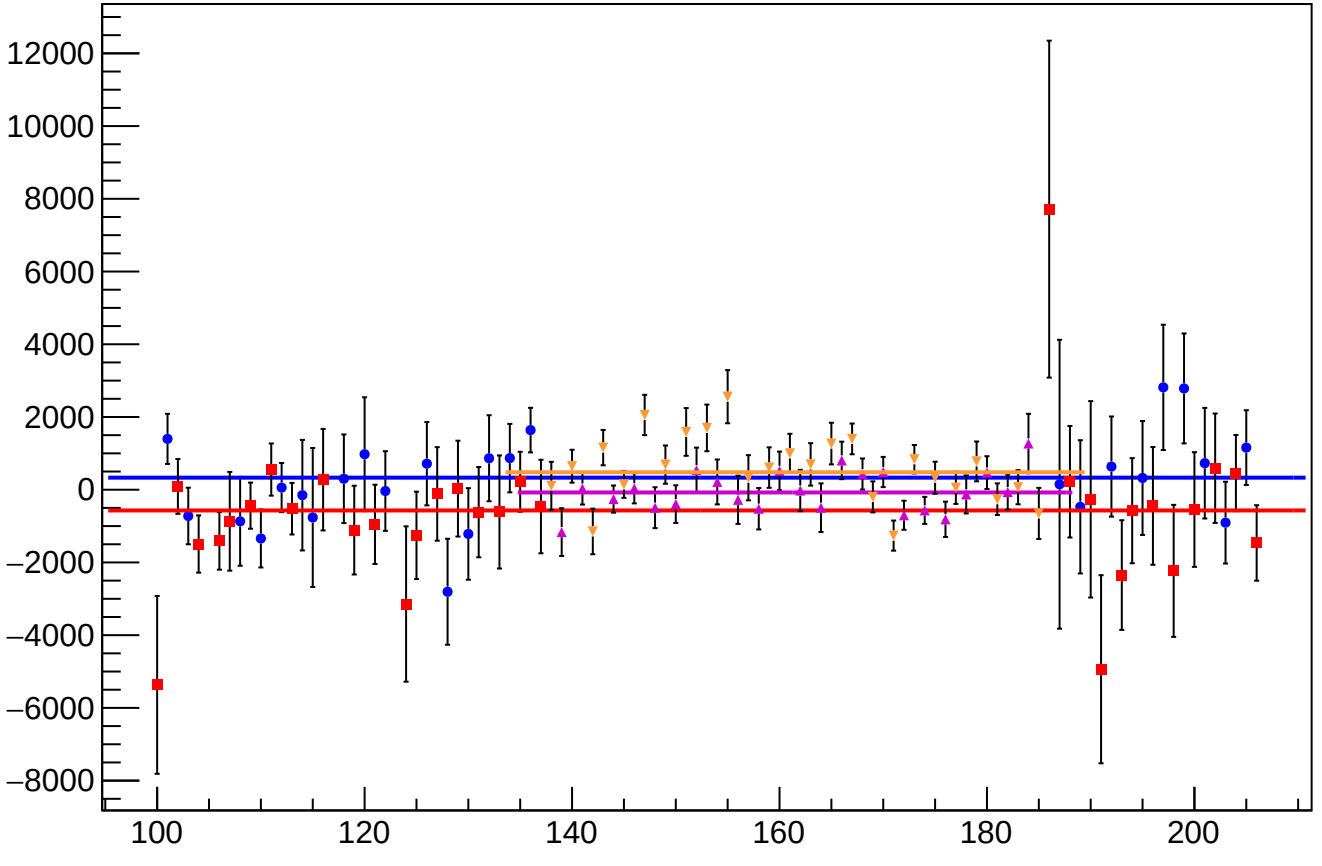
Right: 63.702+/-0.008 χ^2/NDF: 2570850.6/55

In: 52.844+/-0.007 χ^2/NDF:2749489.4/47

Out: 53.339+/-0.007 χ^2/NDF:3622978.2/55

All: 53.101+/-0.005 χ^2/NDF: 6375256.3/103

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 331.727+/-216.051 χ^2/NDF: 28.7/24

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -570.357+/-202.396 χ^2/NDF: 24.3/30

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

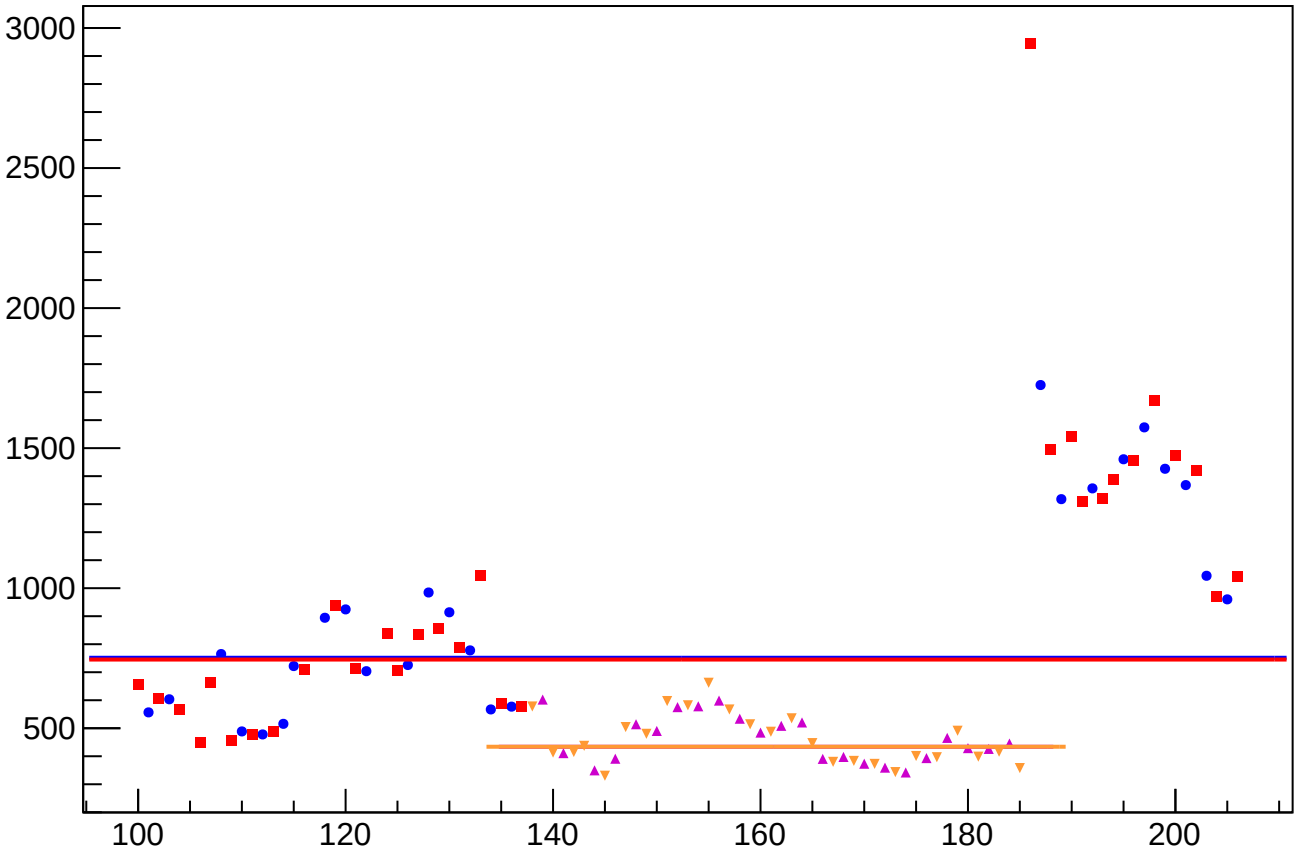
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -148.719+/-147.707 χ^2/NDF: 62.2/55

In: -0.064+/-93.069 χ^2/NDF:56.1/47

Out: 272.334+/-90.032 χ^2/NDF:115.1/55

All: 140.651+/-64.709 χ^2/NDF: 175.6/103



Right In: 751.610+/-0.153 χ^2/NDF: 3715598.2/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 745.208+/-0.143 χ^2/NDF: 5560864.4/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

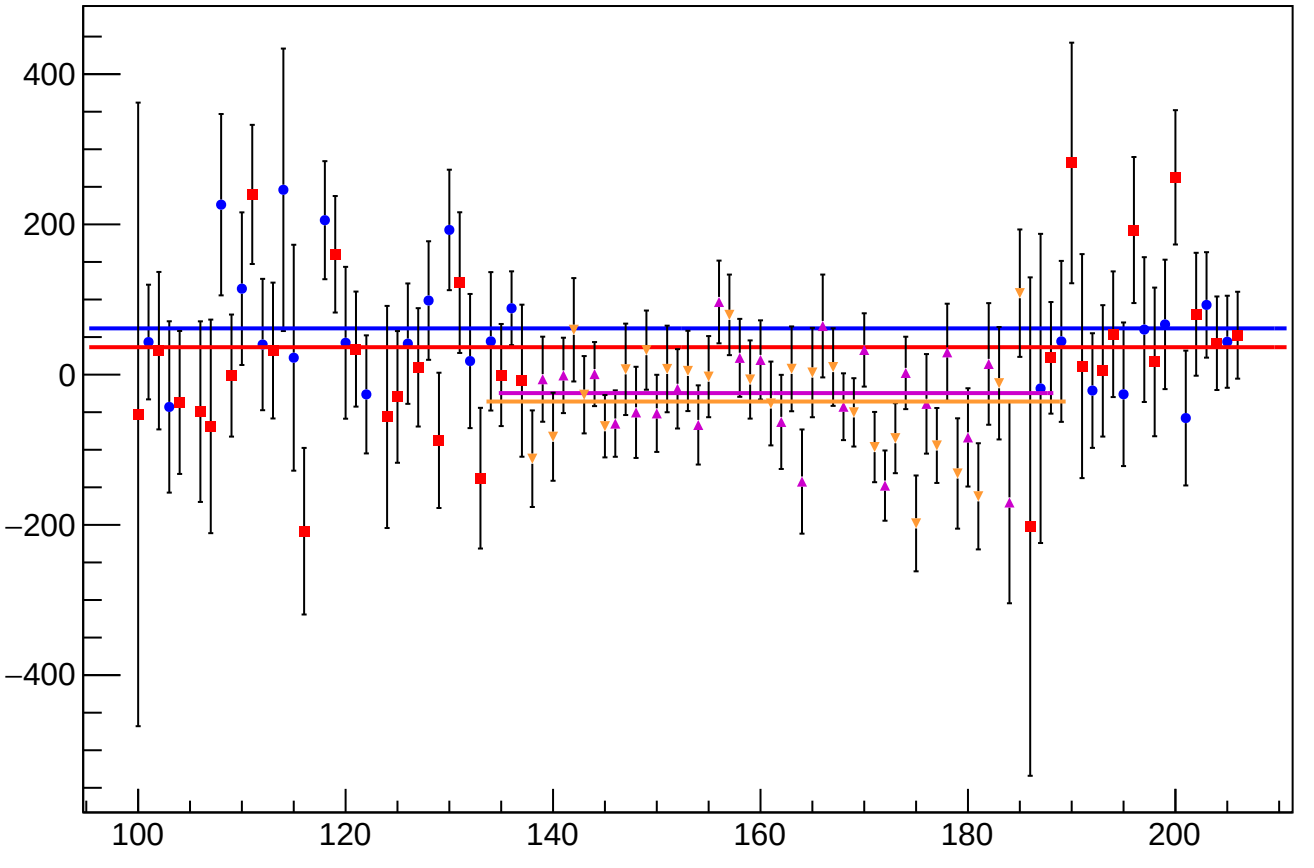
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 748.200+/-0.104 χ^2/NDF: 9277397.9/55

In: 492.711+/-0.066 χ^2/NDF:8336720.4/47

Out: 495.536+/-0.064 χ^2/NDF:10598768.4/55

All: 494.170+/-0.046 χ^2/NDF: 18936440.7/10



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.527+/-16.386 χ^2/NDF: 34.4/30

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

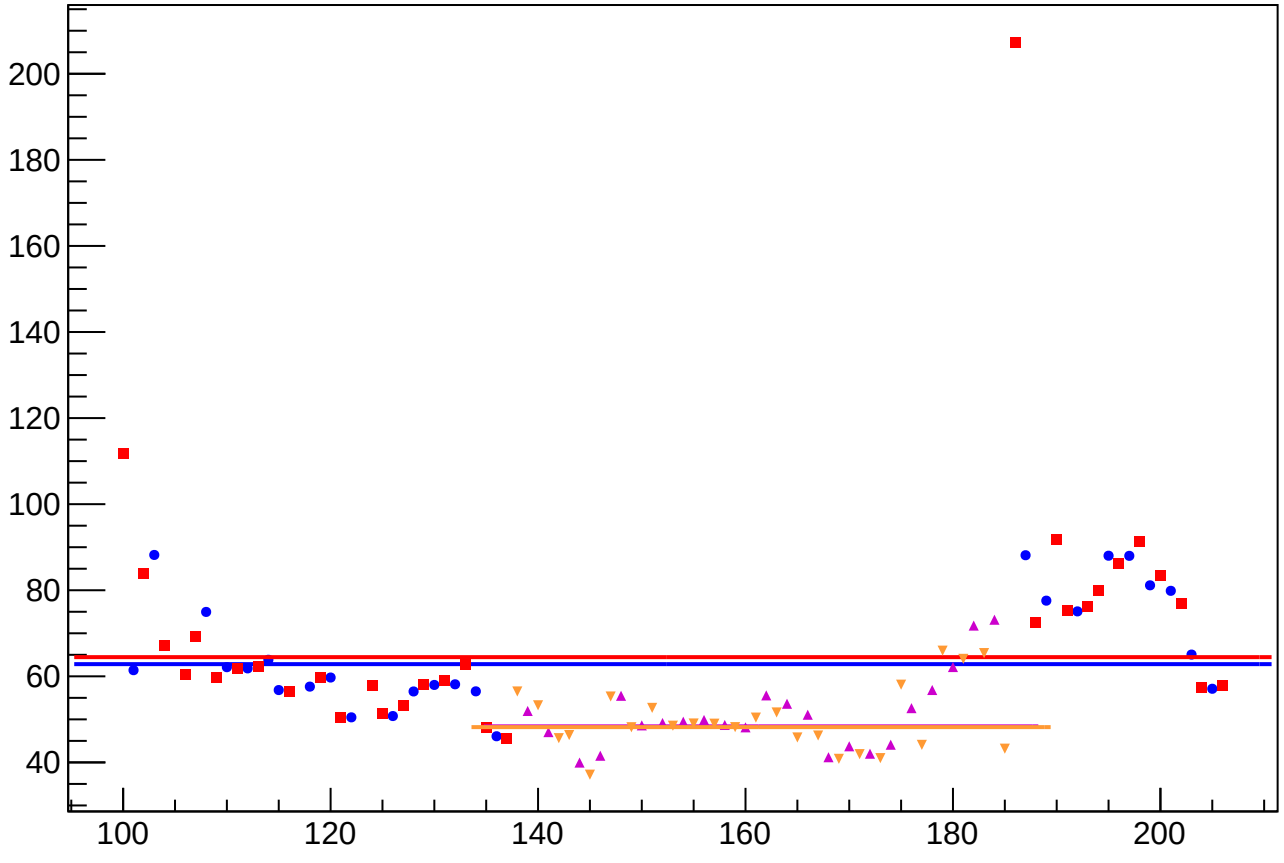
Right: 48.481+/-11.850 χ^2/NDF: 52.1/55

In: 2.041+/-9.536 χ^2/NDF:59.7/47

Out: -12.990+/-9.201 χ^2/NDF:81.5/55

All: -5.743+/-6.621 χ^2/NDF: 142.5/103

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

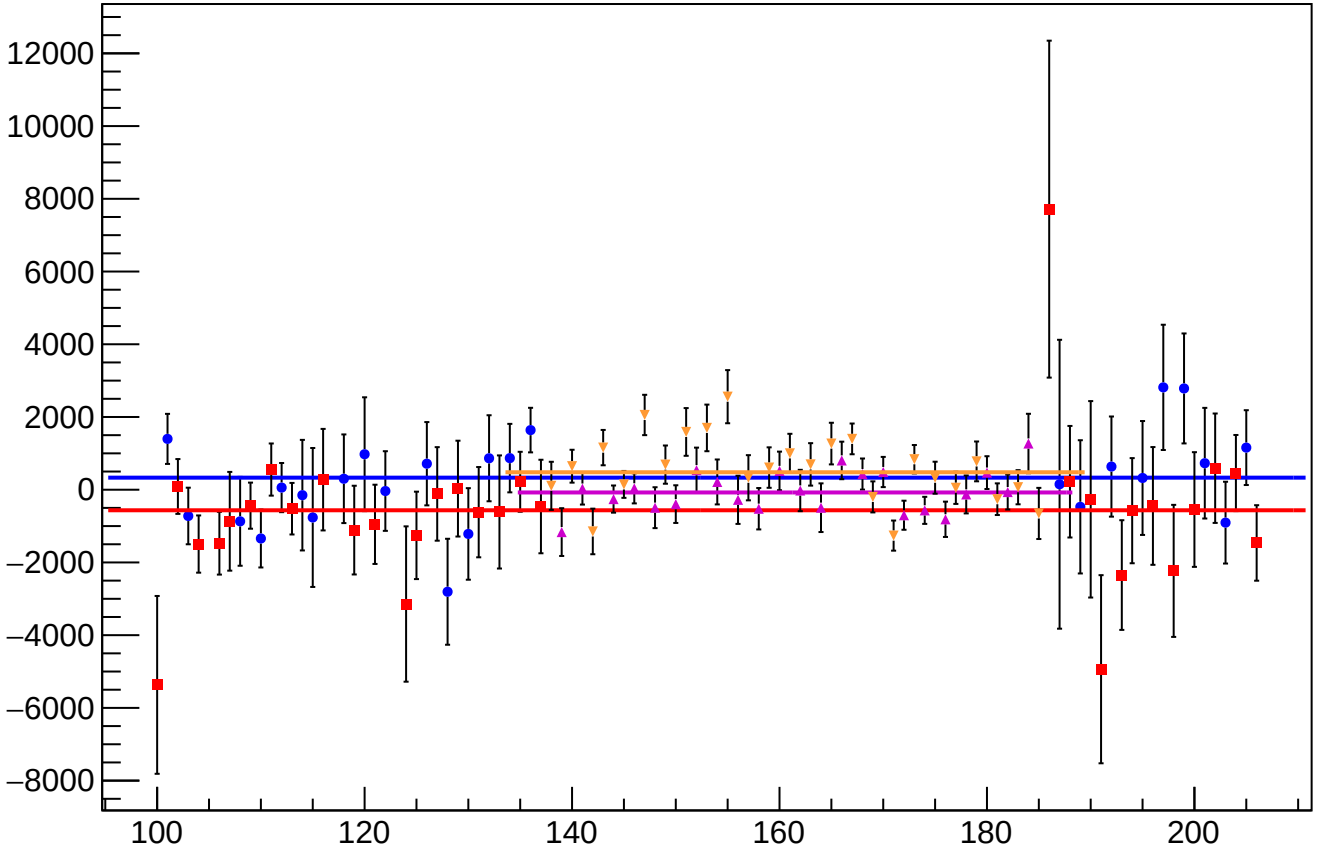
Right: 63.683+/-0.008 χ^2/NDF: 2572321.7/55

In: 52.845+/-0.007 χ^2/NDF:2749493.3/47

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.094+/-0.005 χ^2/NDF: 6370346.6/103

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -565.365+/-203.462 χ^2/NDF: 24.2/30

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

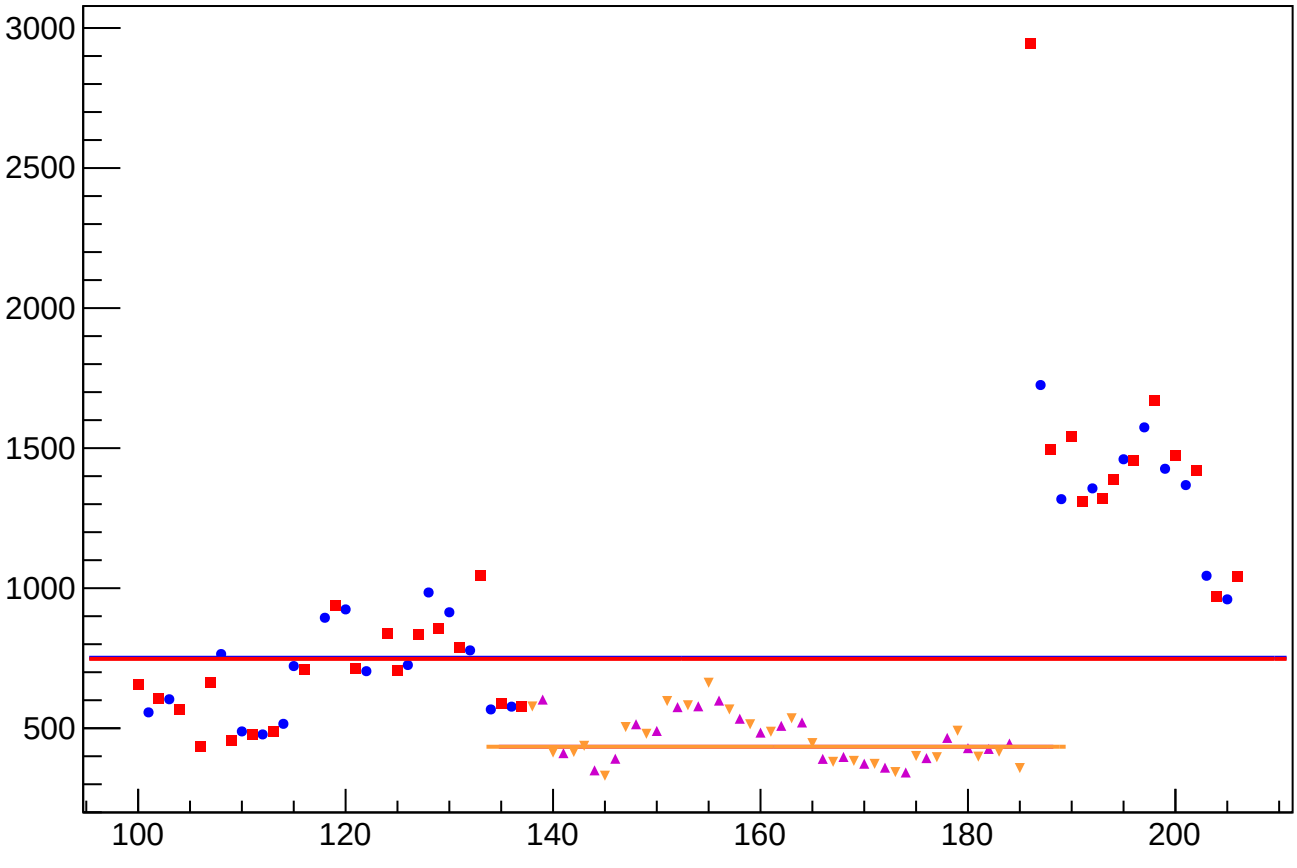
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -143.702+/-148.120 χ^2/NDF: 62.1/55

In: -0.062+/-93.069 χ^2/NDF:56.1/47

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 141.917+/-64.744 χ^2/NDF: 175.2/103



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

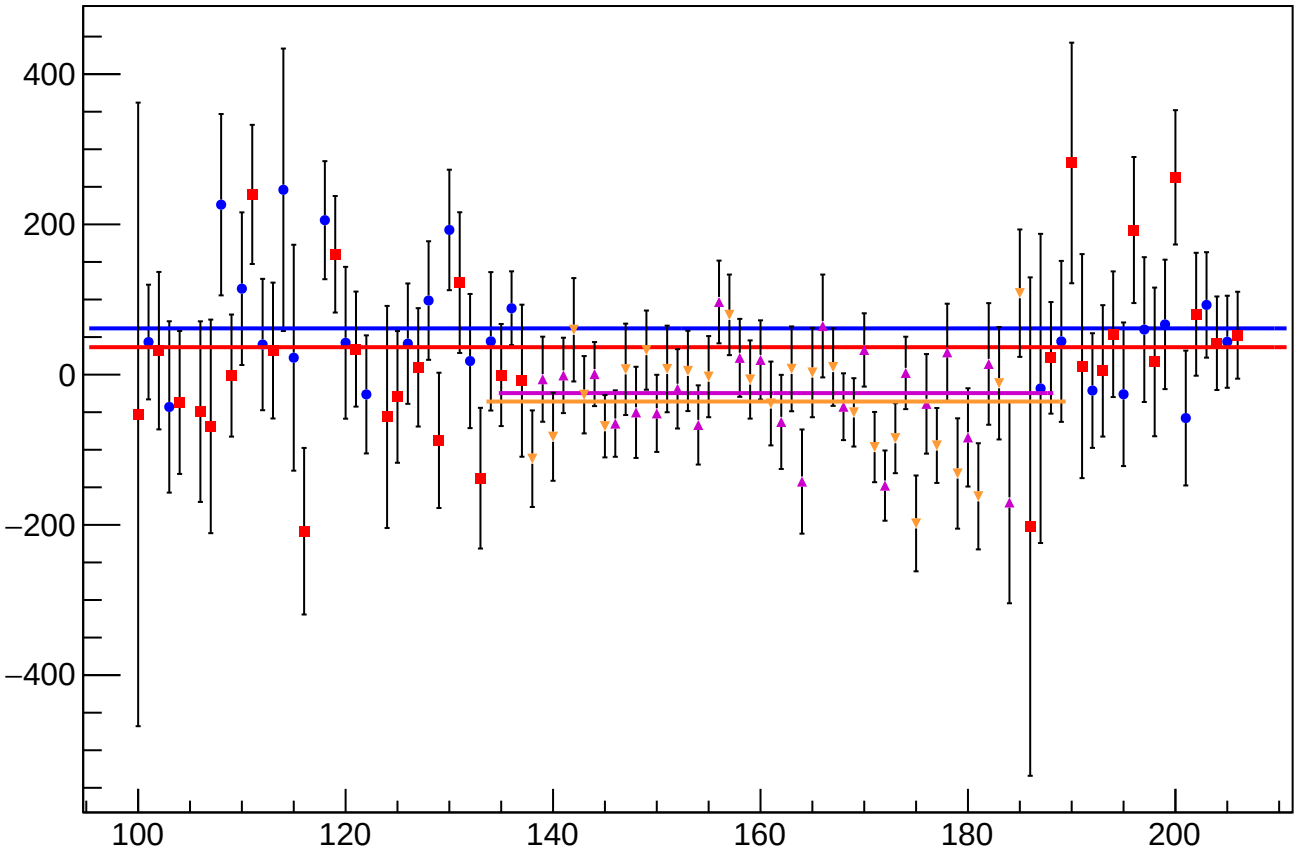
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 749.501+/-0.105 χ^2/NDF: 9252830.3/55

In: 492.712+/-0.066 χ^2/NDF:8336744.1/47

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 494.147+/-0.046 χ^2/NDF: 18939332.3/10



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.527+/-16.386 χ^2/NDF: 34.4/30

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

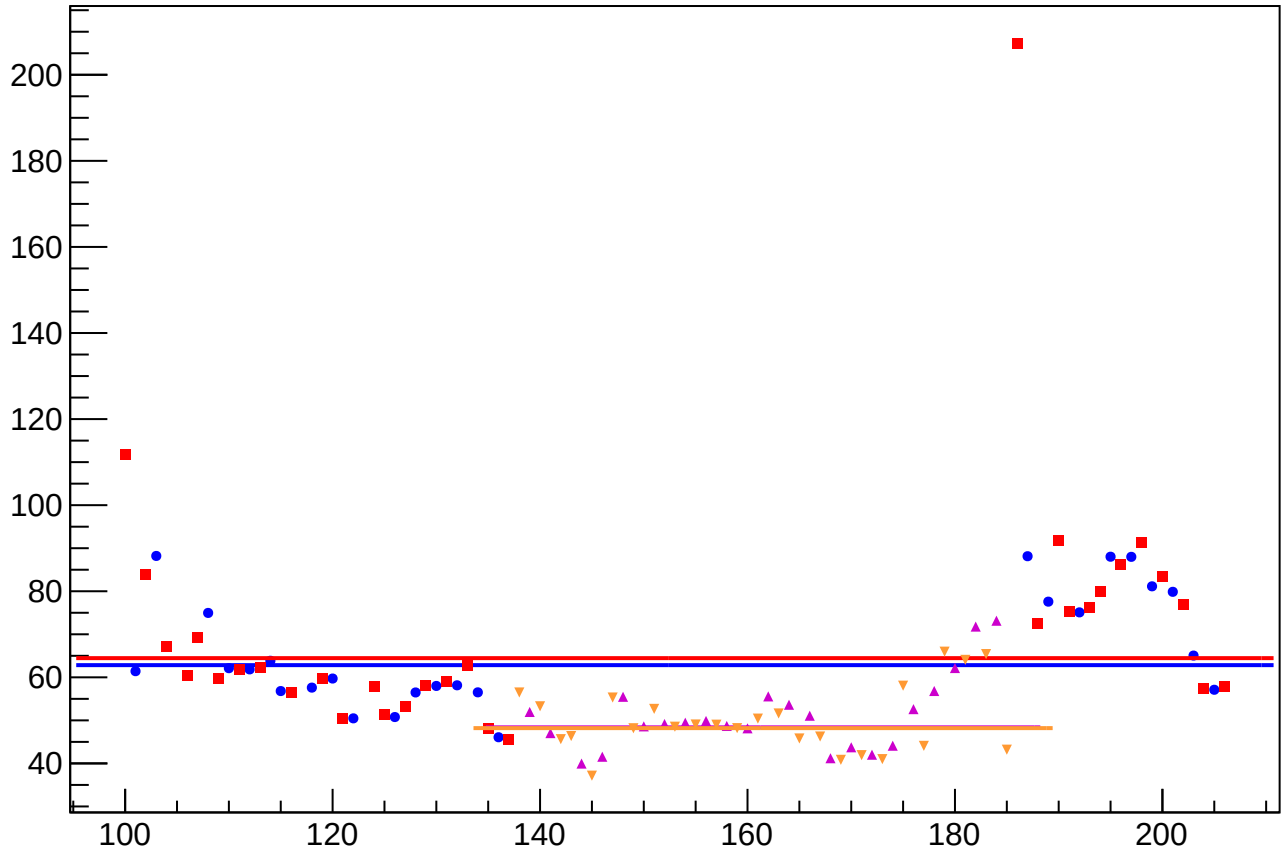
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 48.481+/-11.850 χ^2/NDF: 52.1/55

In: 2.041+/-9.536 χ^2/NDF:59.7/47

Out: -12.990+/-9.201 χ^2/NDF:81.5/55

All: -5.743+/-6.621 χ^2/NDF: 142.5/103



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

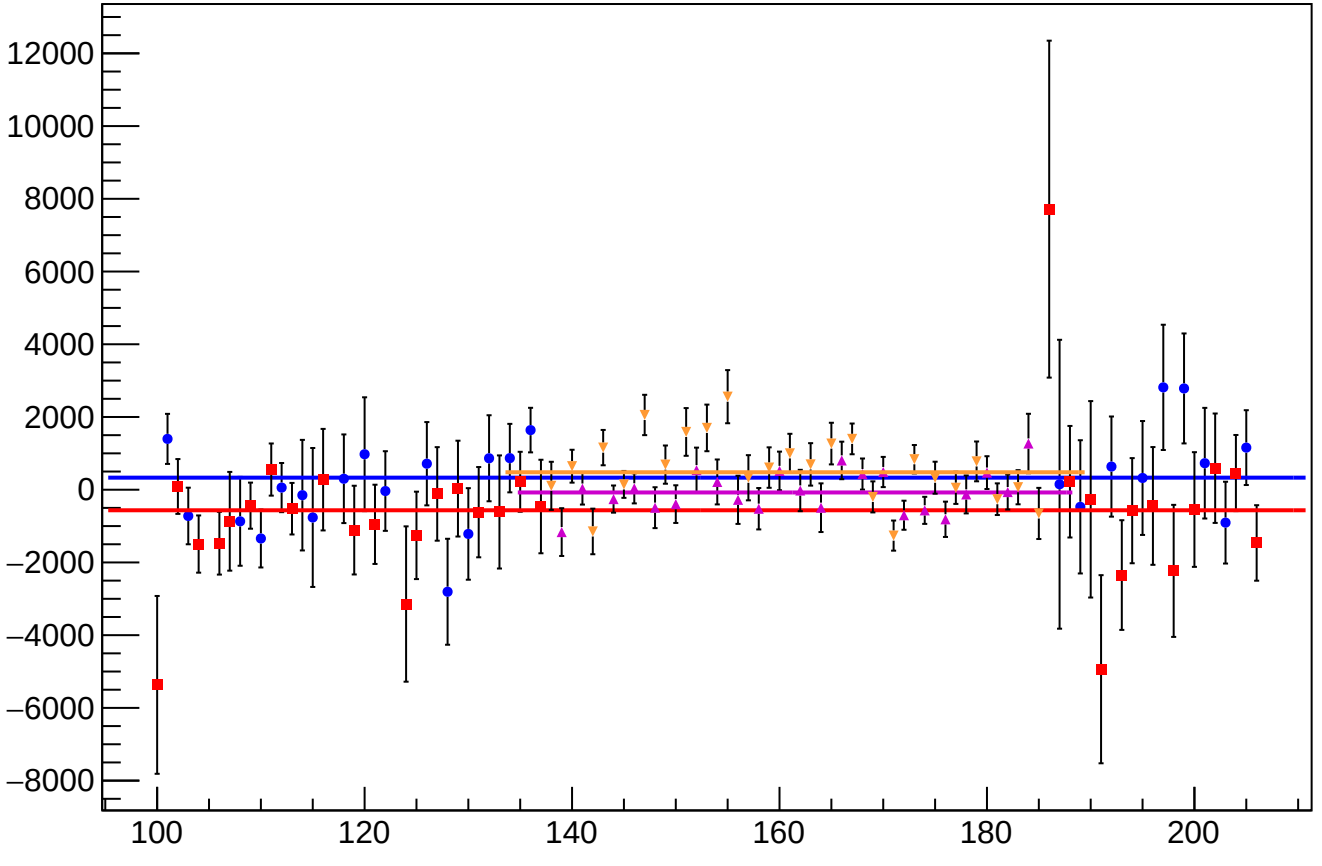
Right: 63.683+/-0.008 χ^2/NDF: 2572321.7/55

In: 52.845+/-0.007 χ^2/NDF:2749493.3/47

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.094+/-0.005 χ^2/NDF: 6370346.6/103

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -565.365+/-203.462 χ^2/NDF: 24.2/30

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

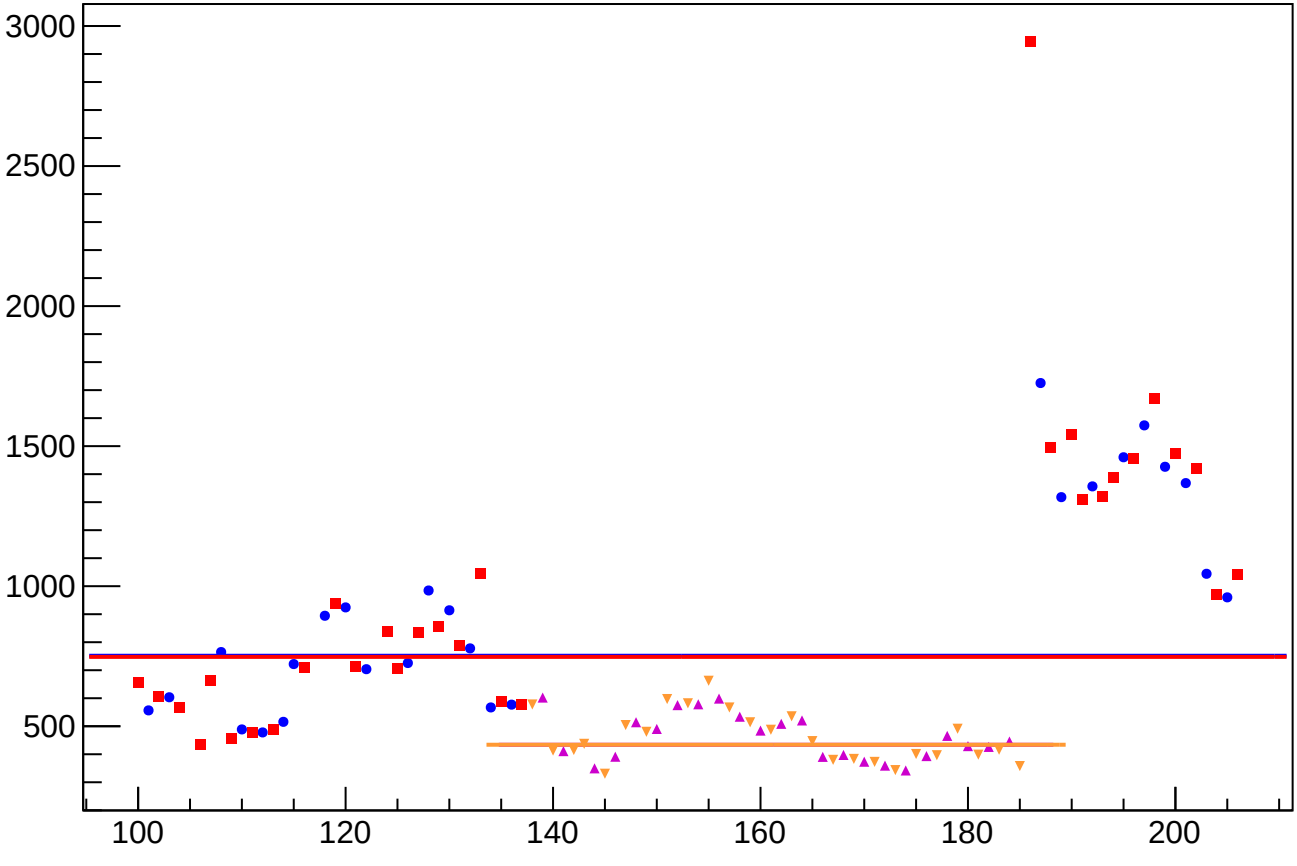
Right: -143.702+/-148.120 χ^2/NDF: 62.1/55

In: -0.062+/-93.069 χ^2/NDF:56.1/47

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 141.917+/-64.744 χ^2/NDF: 175.2/103

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

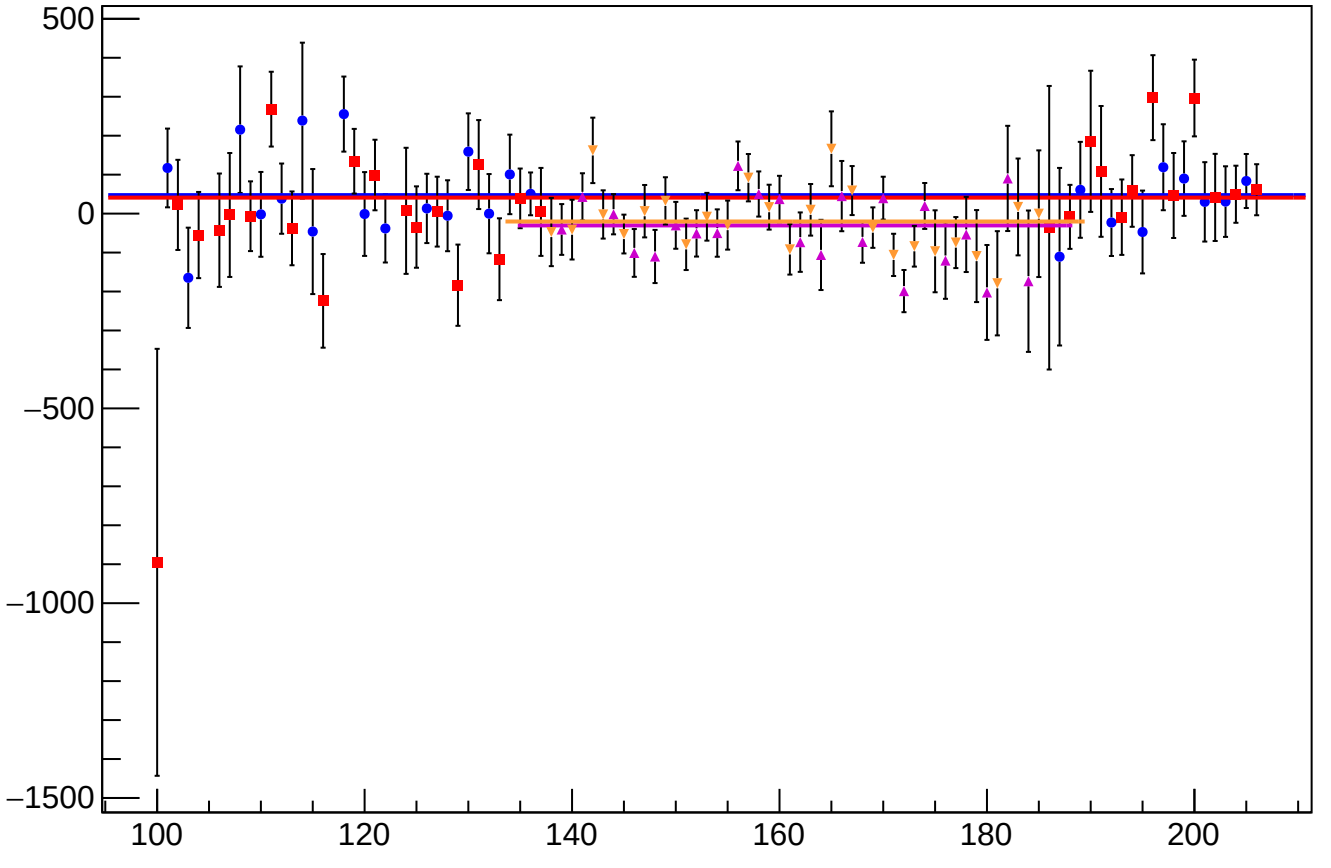
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 749.501+/-0.105 χ^2/NDF: 9252830.3/55

In: 492.712+/-0.066 χ^2/NDF:8336744.1/47

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 494.147+/-0.046 χ^2/NDF: 18939332.3/10



Right In: 47.450+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.037+/-18.546 χ^2/NDF: 39.4/30

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

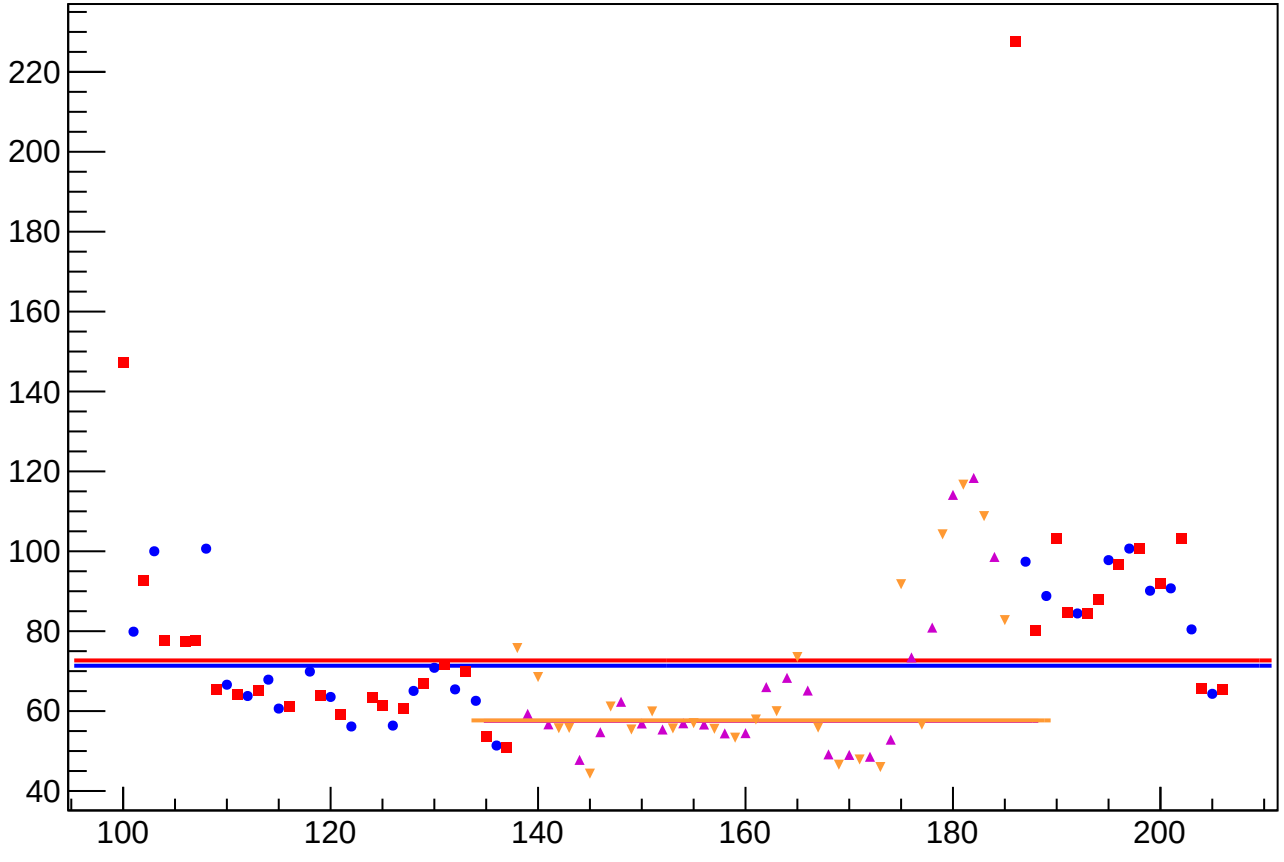
Right: 44.061+/-13.483 χ^2/NDF: 56.2/55

In: -4.160+/-11.388 χ^2/NDF:59.7/47

Out: 1.243+/-10.986 χ^2/NDF:71.7/55

All: -1.362+/-7.907 χ^2/NDF: 131.5/103

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 71.356+/-0.014 χ^2/NDF: 1197727.6/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.679+/-0.013 χ^2/NDF: 1530205.2/30

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

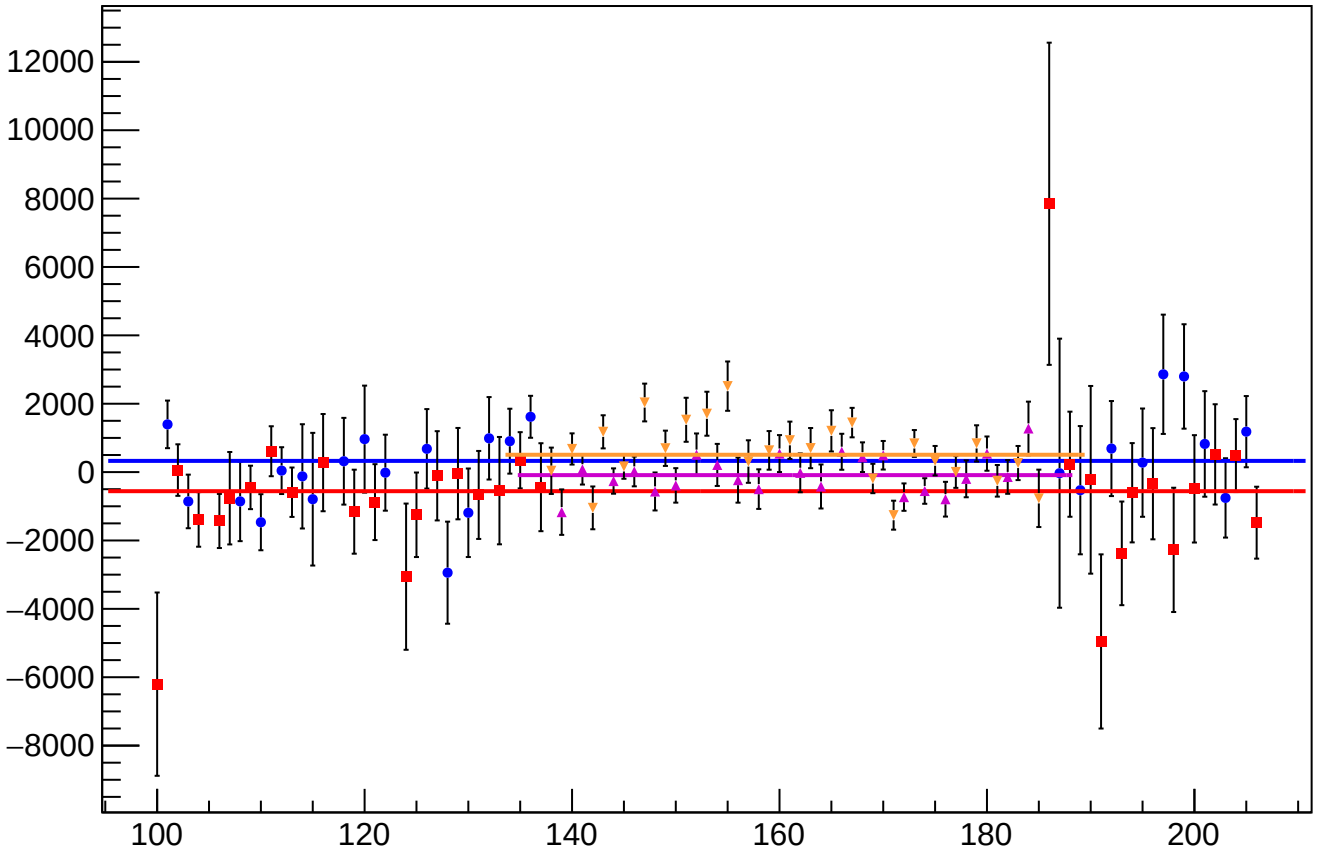
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 72.055+/-0.010 χ^2/NDF: 2732733.4/55

In: 62.187+/-0.008 χ^2/NDF:3298188.1/47

Out: 62.936+/-0.008 χ^2/NDF:4290391.8/55

All: 62.575+/-0.006 χ^2/NDF: 7593061.0/103



Right In: 327.826+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -558.222+/-204.318 χ^2/NDF: 24.9/30

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

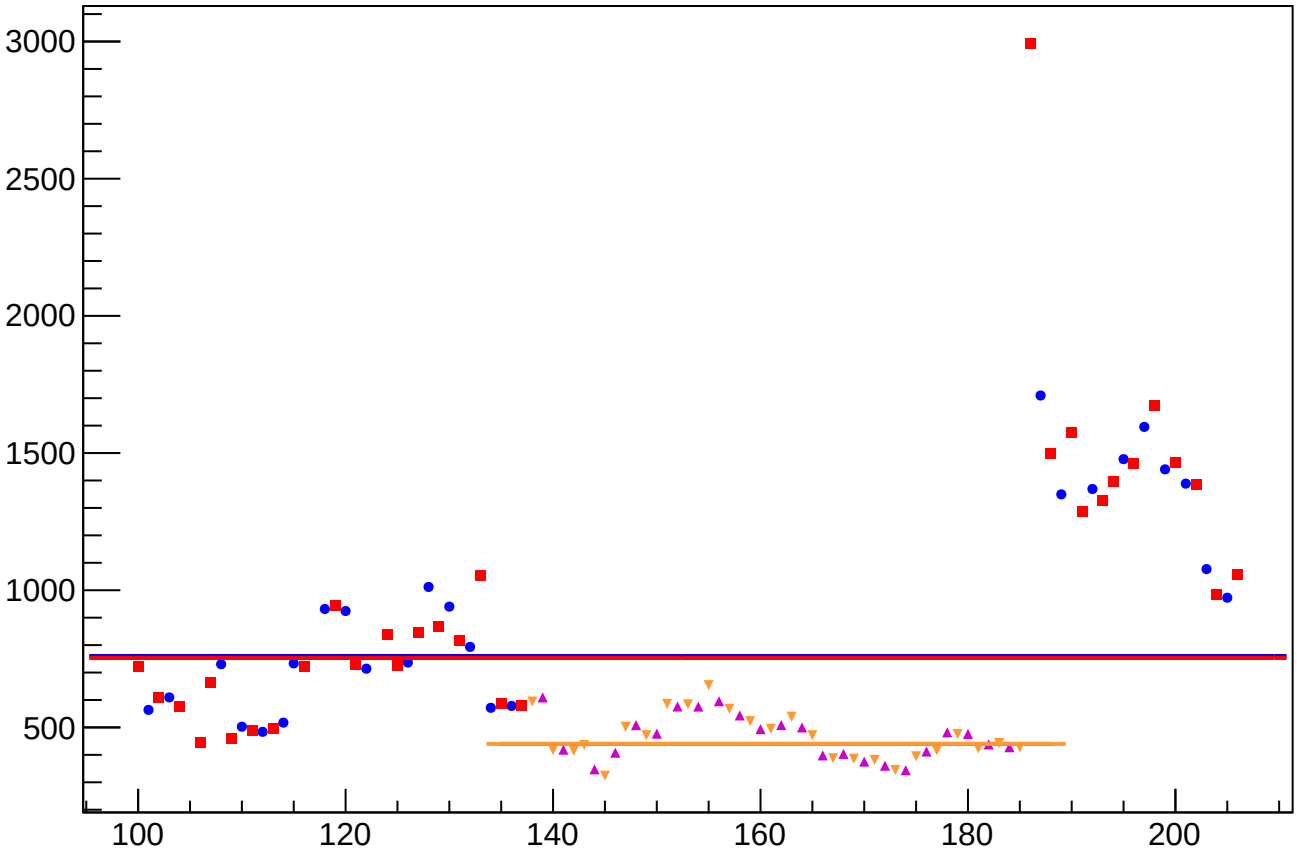
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -145.044+/-149.262 χ^2/NDF: 63.0/55

In: -10.972+/-94.310 χ^2/NDF:55.6/47

Out: 295.368+/-91.100 χ^2/NDF:112.5/55

All: 147.501+/-65.523 χ^2/NDF: 173.5/103



Right In: 760.379+/-0.155 χ^2/NDF: 3750033.6/24

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 753.052+/-0.144 χ^2/NDF: 5513687.5/30

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

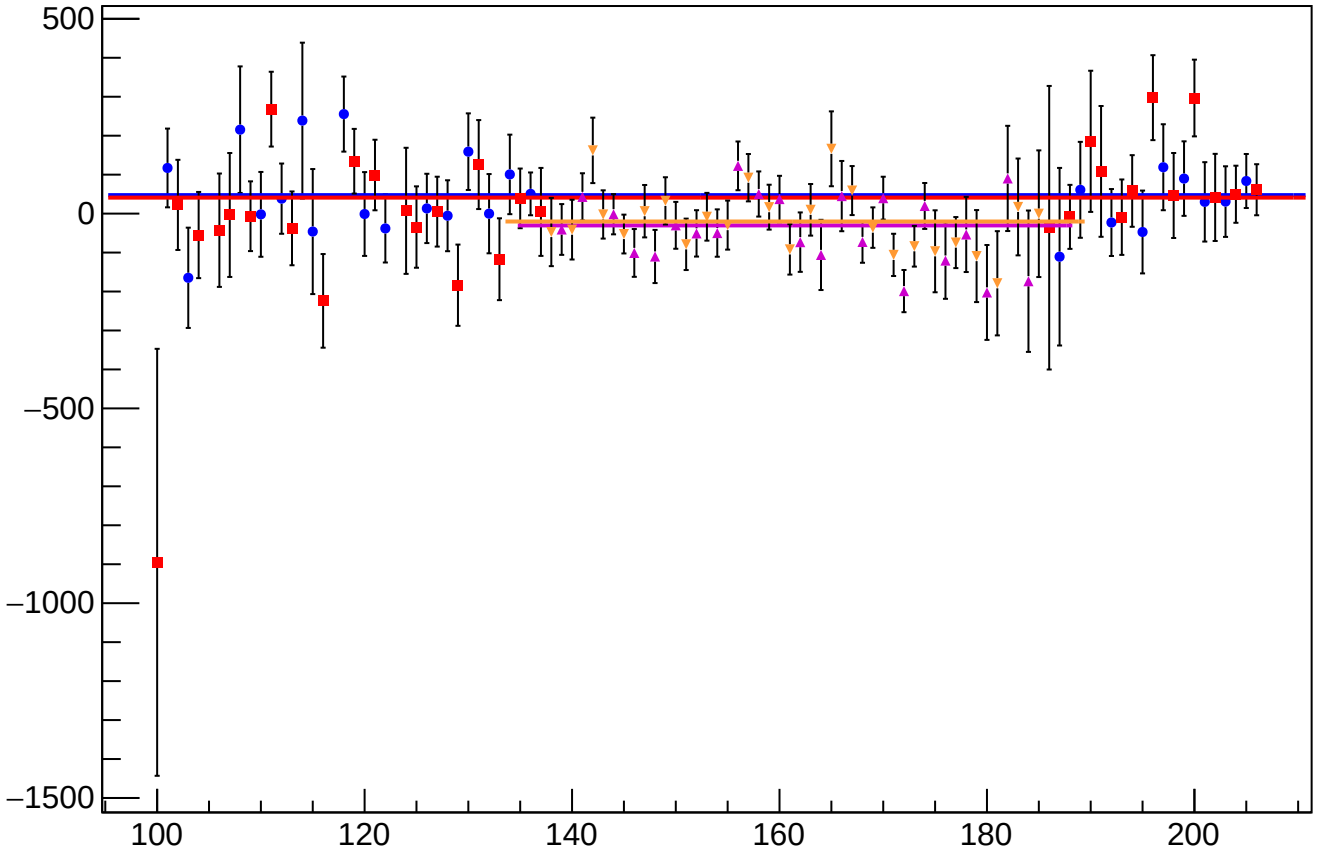
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 756.469+/-0.106 χ^2/NDF: 9264920.5/55

In: 499.543+/-0.067 χ^2/NDF:8311491.0/47

Out: 502.296+/-0.064 χ^2/NDF:10470628.1/55

All: 500.967+/-0.046 χ^2/NDF: 18783000.4/10



Right In: 47.448+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.037+/-18.546 χ^2/NDF: 39.4/30

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

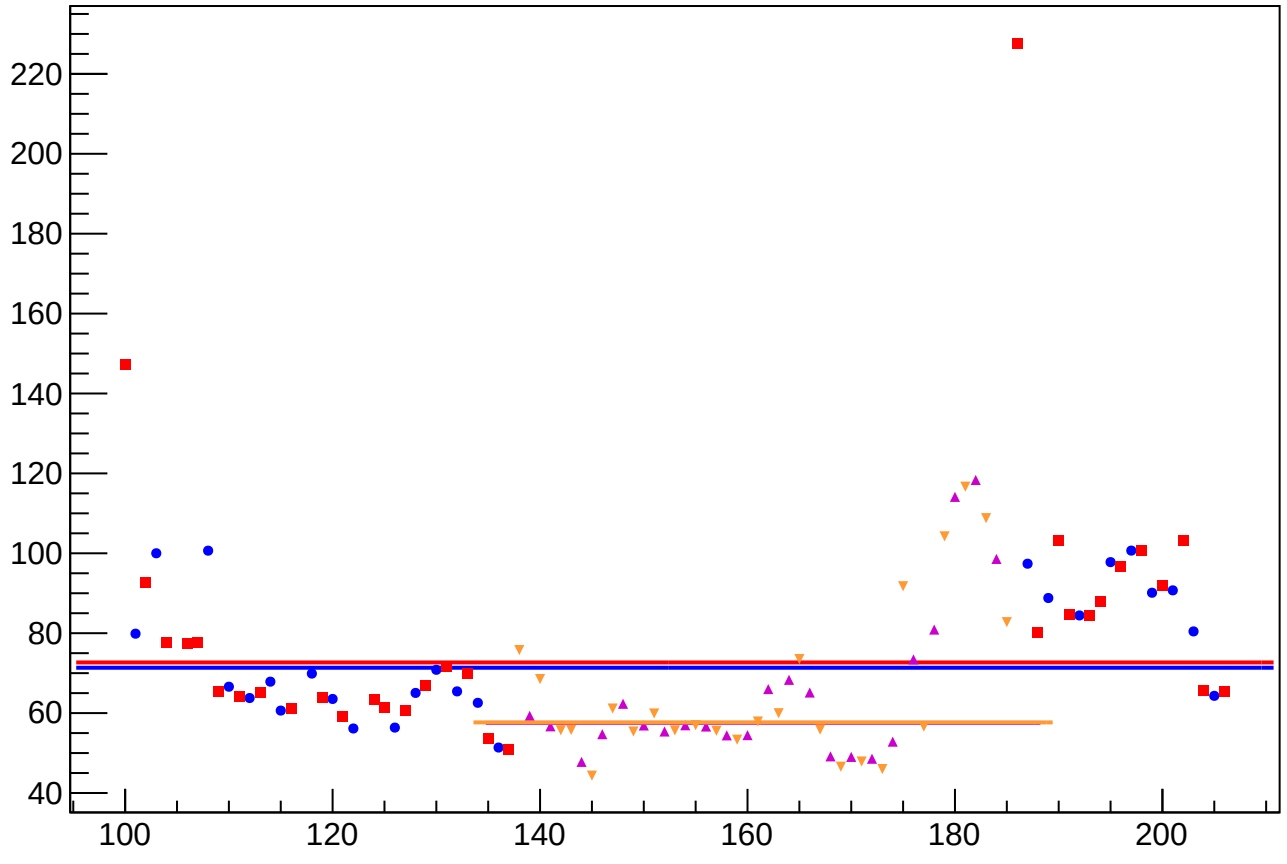
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 44.060+/-13.483 χ^2/NDF: 56.2/55

In: -4.161+/-11.388 χ^2/NDF:59.7/47

Out: 1.243+/-10.986 χ^2/NDF:71.6/55

All: -1.362+/-7.907 χ^2/NDF: 131.5/103



Right In: 71.356+/-0.014 χ^2/NDF: 1197716.5/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 72.679+/-0.013 χ^2/NDF: 1530219.8/30

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

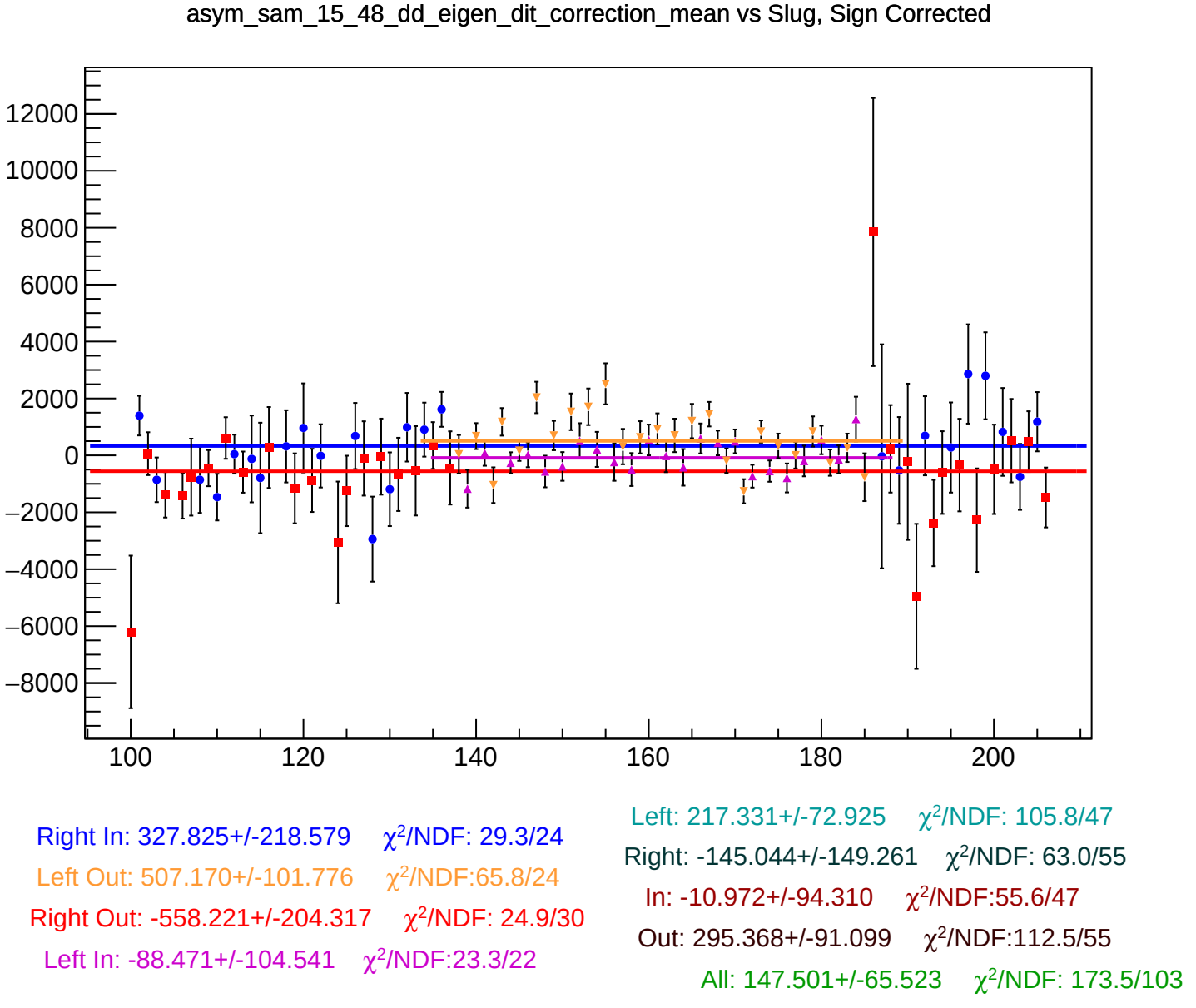
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 72.055+/-0.010 χ^2/NDF: 2732737.3/55

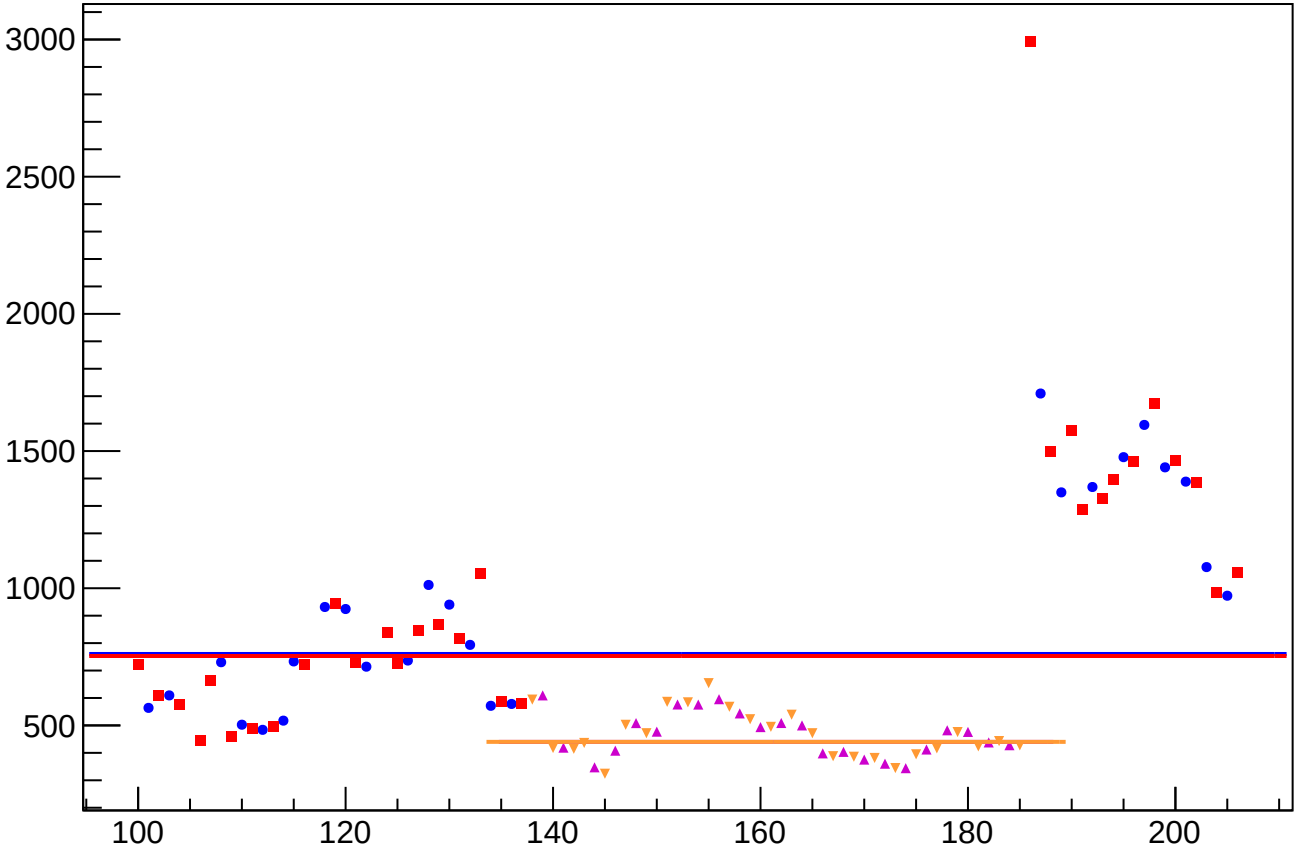
In: 62.187+/-0.008 χ^2/NDF:3298144.4/47

Out: 62.936+/-0.008 χ^2/NDF:4290380.3/55

All: 62.575+/-0.006 χ^2/NDF: 7593006.4/103


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 327.825+/-218.579 χ²/NDF: 29.3/24
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -558.221+/-204.317 χ²/NDF: 24.9/30
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -145.044+/-149.261 χ²/NDF: 63.0/55
In: -10.972+/-94.310 χ²/NDF:55.6/47
Out: 295.368+/-91.099 χ²/NDF:112.5/55
All: 147.501+/-65.523 χ²/NDF: 173.5/103

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 760.378+/-0.155 χ^2/NDF: 3750036.0/24

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 753.051+/-0.144 χ^2/NDF: 5513690.7/30

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

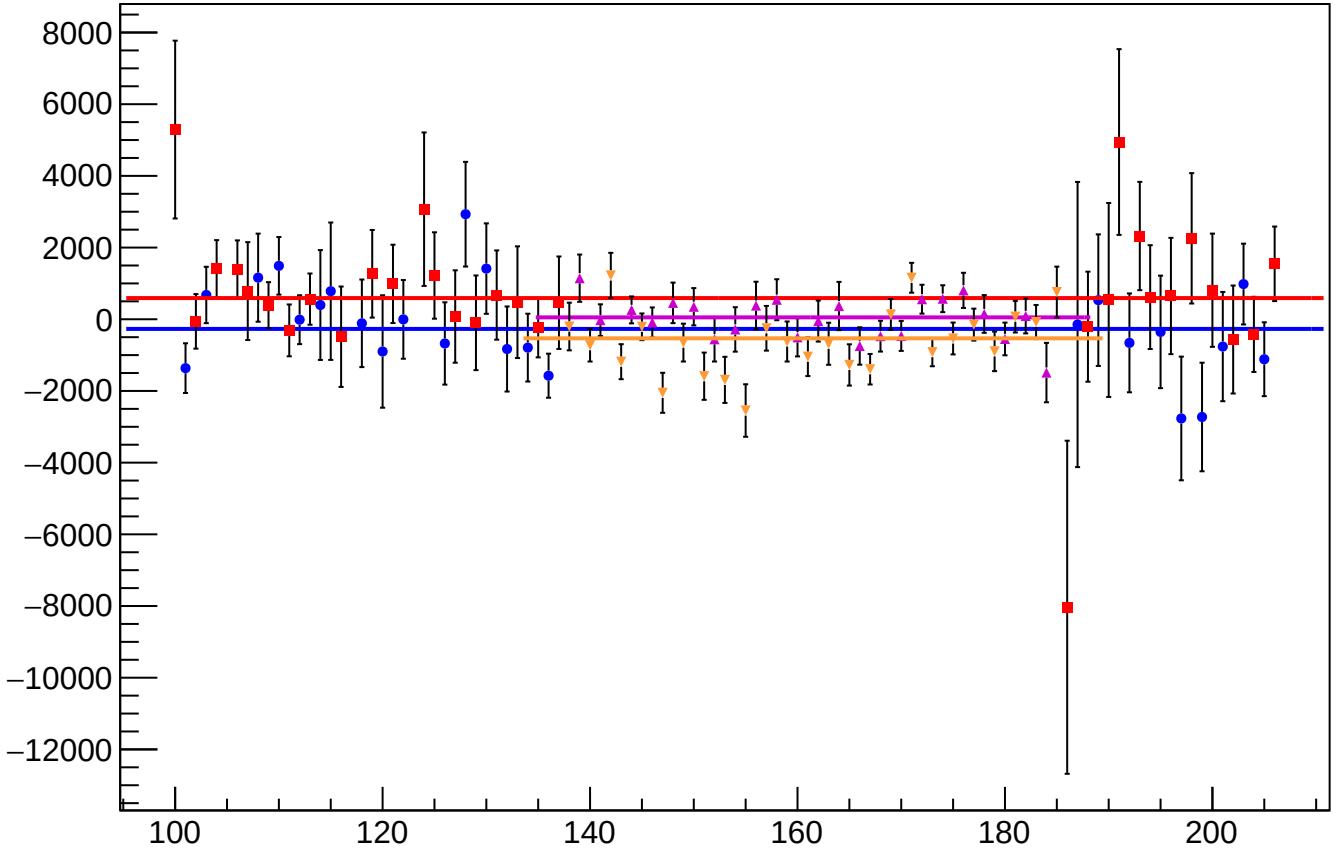
Right: 756.468+/-0.106 χ^2/NDF: 9264926.1/55

In: 499.542+/-0.067 χ^2/NDF:8311516.0/47

Out: 502.295+/-0.064 χ^2/NDF:10470654.4/55

All: 500.966+/-0.046 χ^2/NDF: 18783051.7/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -269.113+/-217.114 χ^2/NDF: 29.7/24

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 591.051+/-203.631 χ^2/NDF: 23.2/30

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

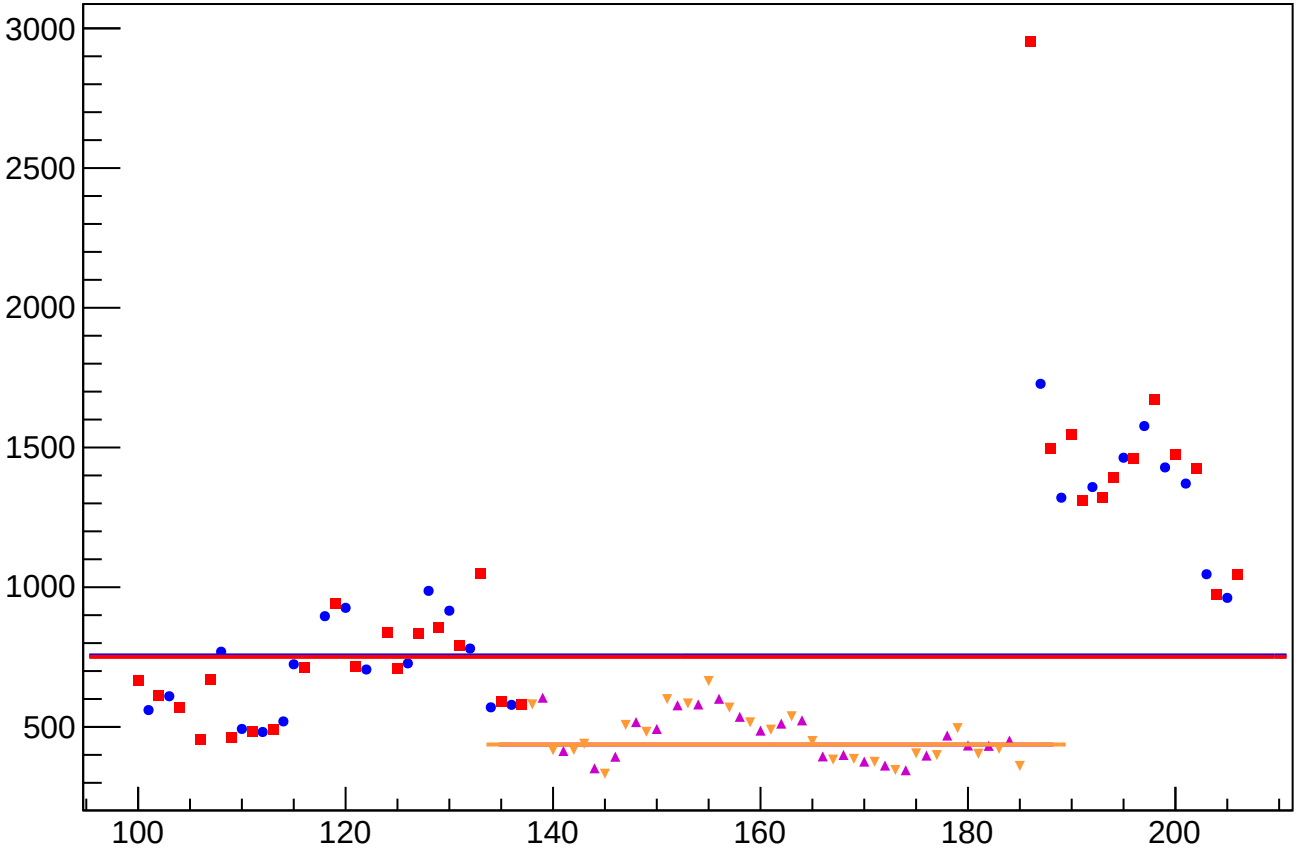
Right: 188.505+/-148.527 χ^2/NDF: 61.3/55

In: -7.357+/-93.699 χ^2/NDF:55.6/47

Out: -309.055+/-90.658 χ^2/NDF:113.2/55

All: -163.182+/-65.153 χ^2/NDF: 174.1/103

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 755.927+/-0.154 χ^2/NDF: 3677314.5/24

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 750.724+/-0.144 χ^2/NDF: 5489601.5/30

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

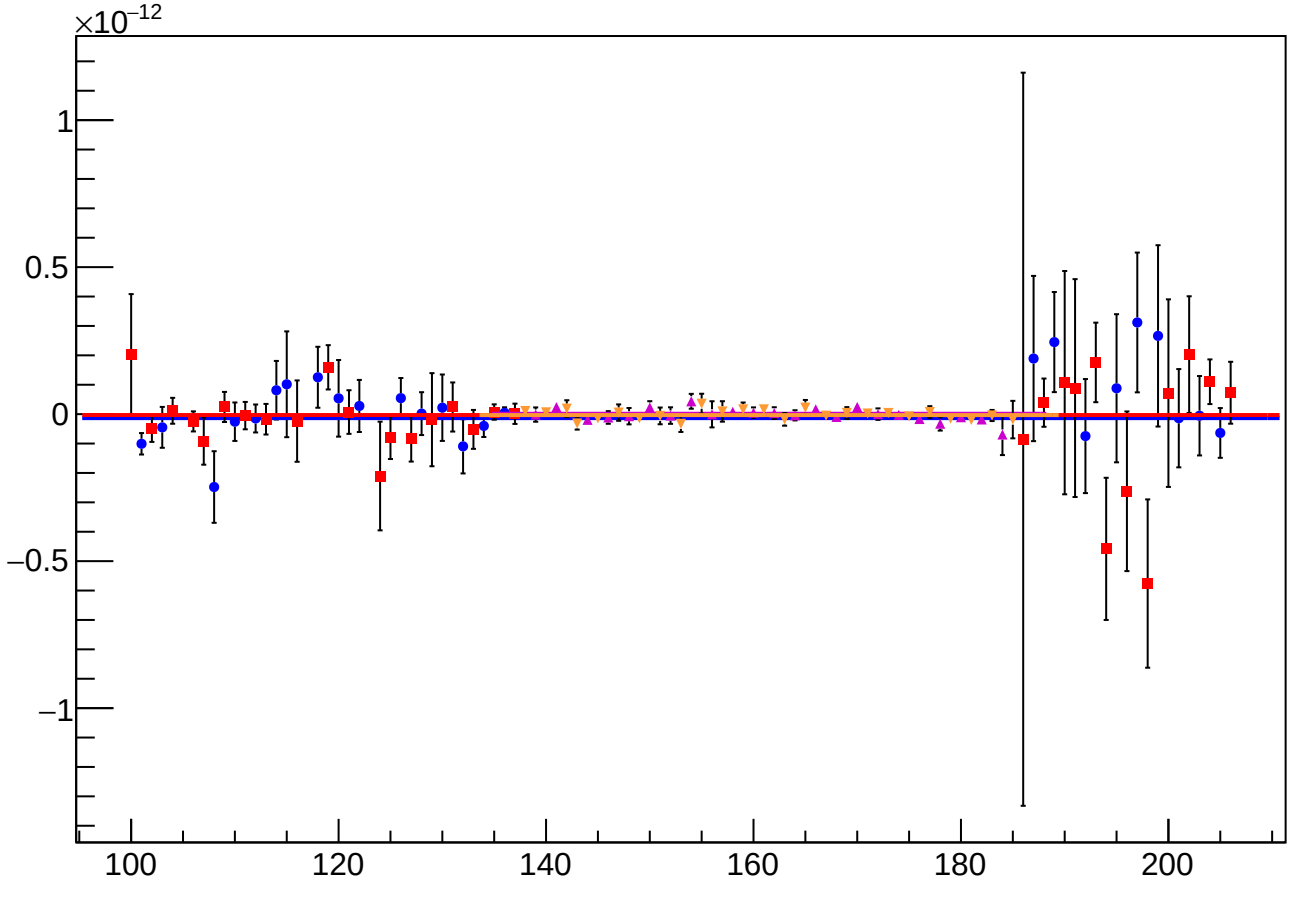
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 753.159+/-0.105 χ^2/NDF: 9167526.9/55

In: 496.349+/-0.066 χ^2/NDF:8270518.1/47

Out: 499.309+/-0.064 χ^2/NDF:10519534.0/55

All: 497.878+/-0.046 χ^2/NDF: 18791082.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

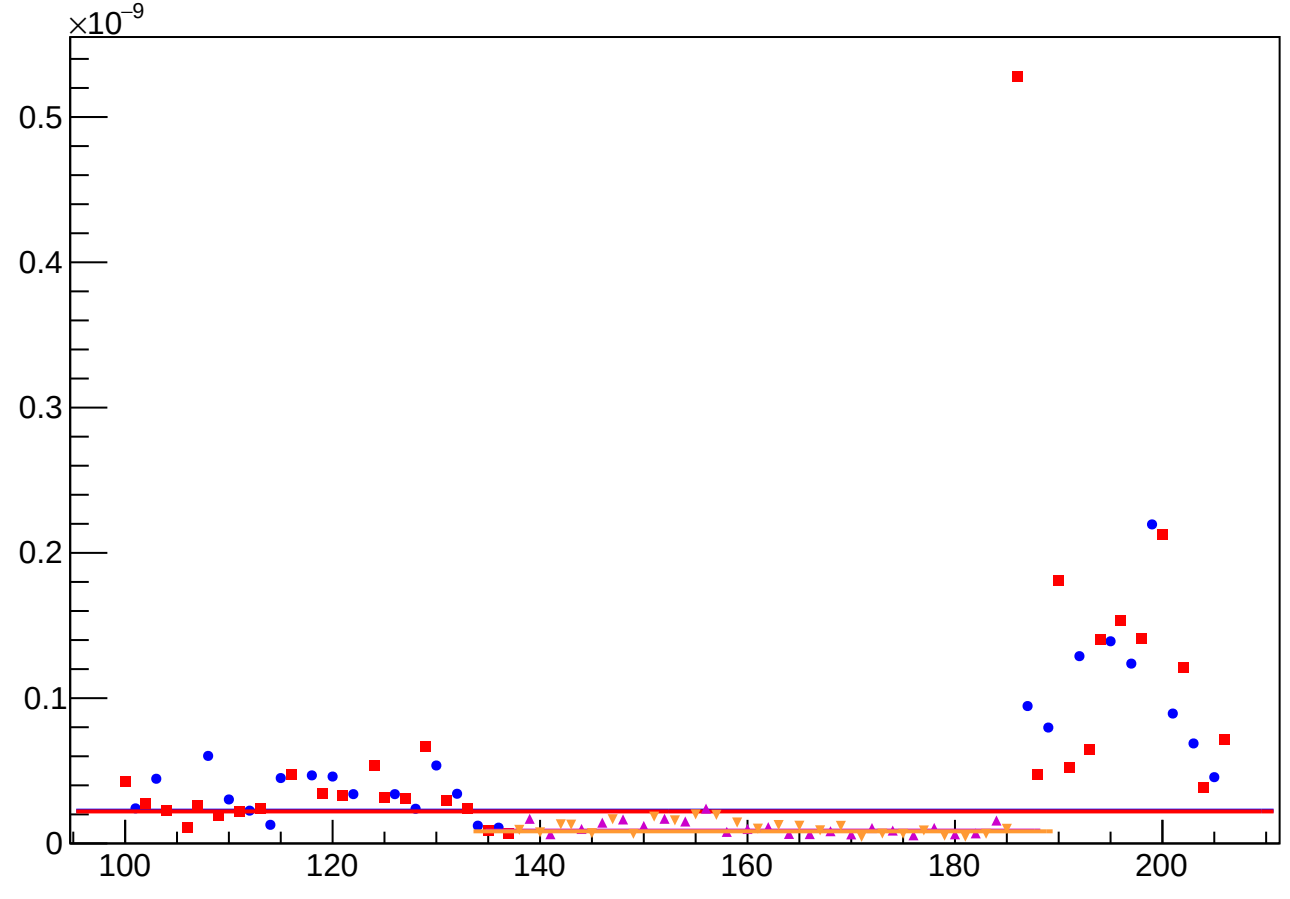
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/55

In: 0.000+/-0.000 χ^2/NDF:46.5/47

Out: -0.000+/-0.000 χ^2/NDF:41.9/55

All: -0.000+/-0.000 χ^2/NDF: 88.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 5125596.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749823.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

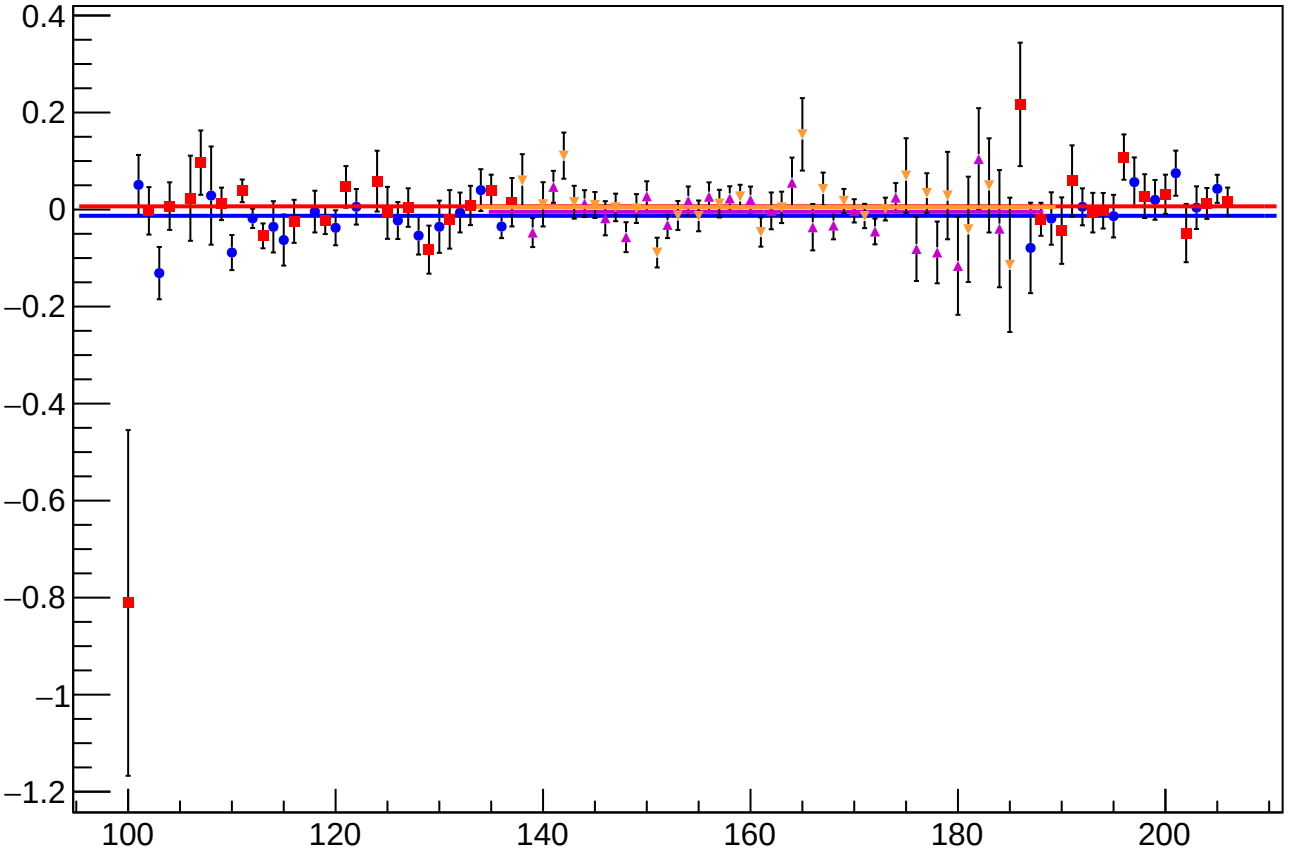
Right: 0.000+/-0.000 χ^2/NDF: 10877405.7/55

In: 0.000+/-0.000 χ^2/NDF:9072436.8/47

Out: 0.000+/-0.000 χ^2/NDF:10484080.4/55

All: 0.000+/-0.000 χ^2/NDF: 19580114.5/103

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

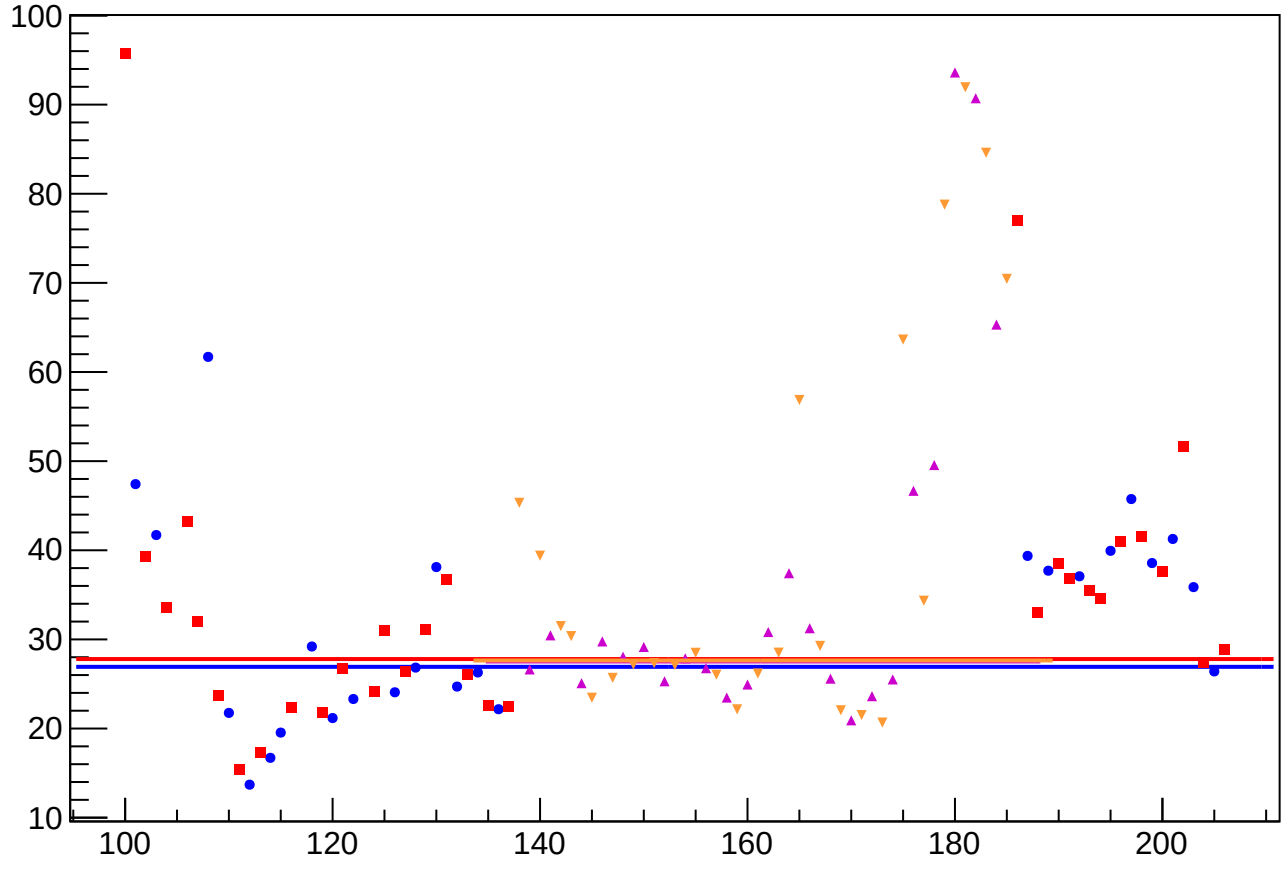
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.003+/-0.005 χ^2/NDF: 63.2/55

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 117.9/103



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

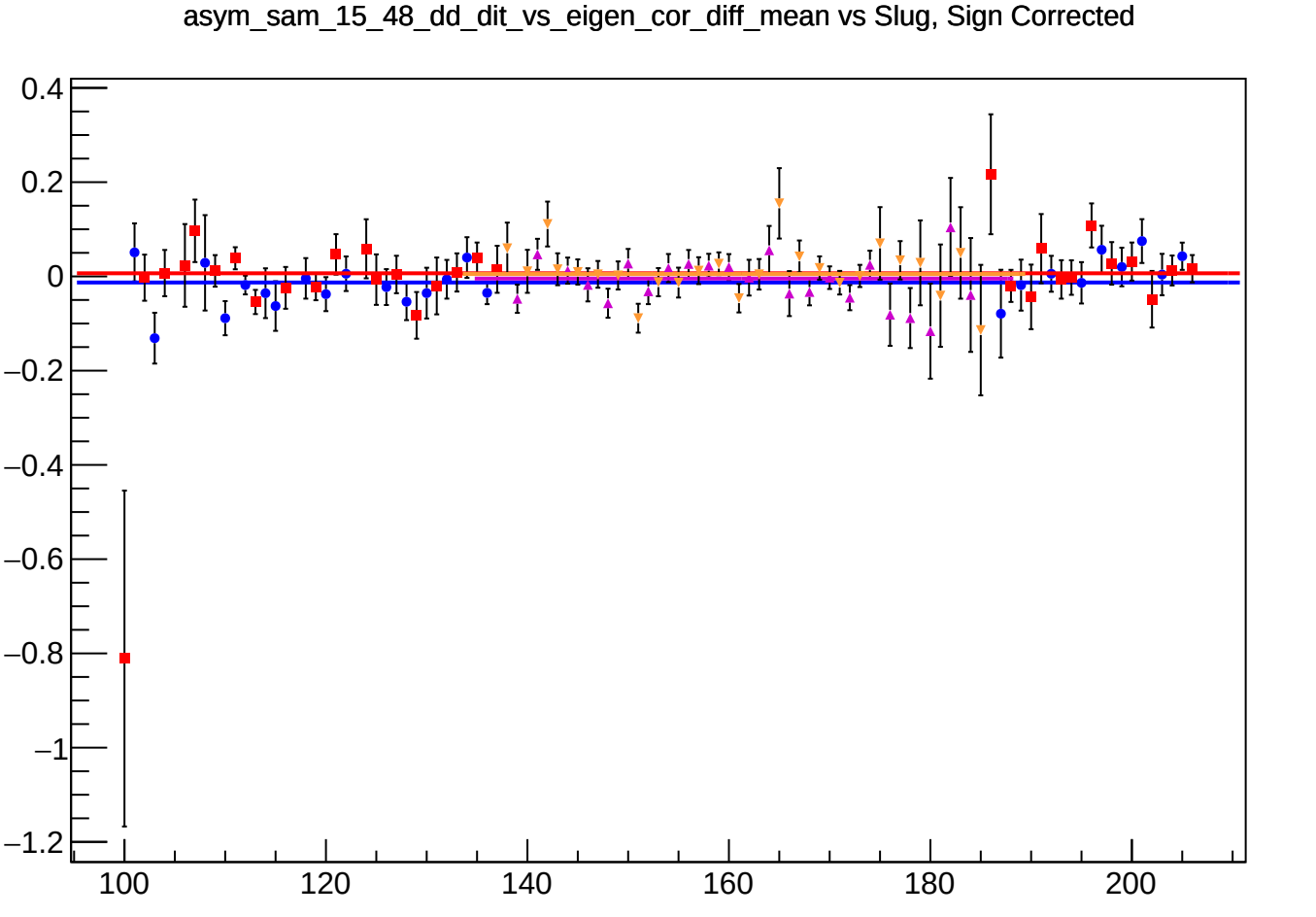
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.387+/-0.004 χ^2/NDF: 5878561.0/55

In: 27.259+/-0.004 χ^2/NDF:5684494.7/47

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.493+/-0.003 χ^2/NDF: 12488861.5/103



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

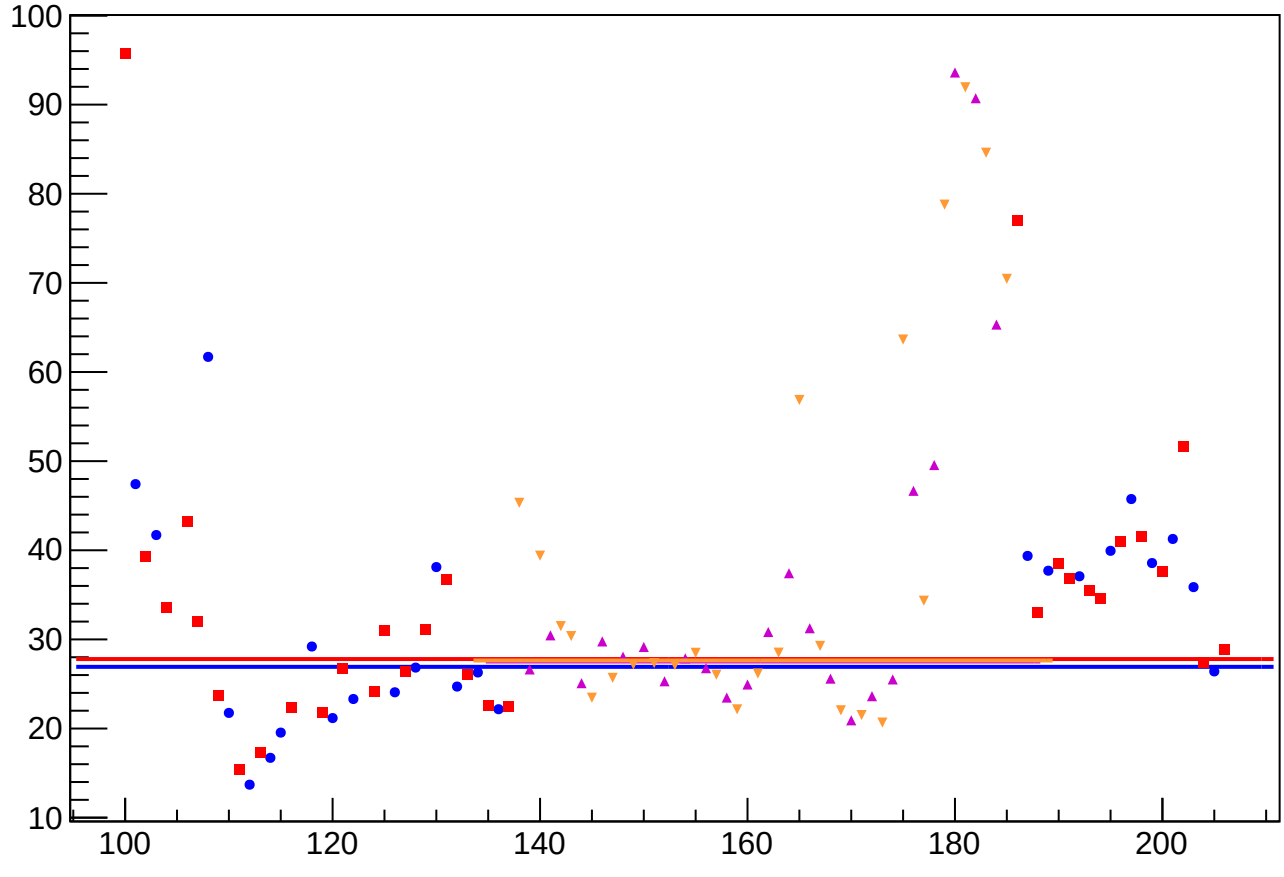
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.003+/-0.005 χ^2/NDF: 63.2/55

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 117.9/103



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

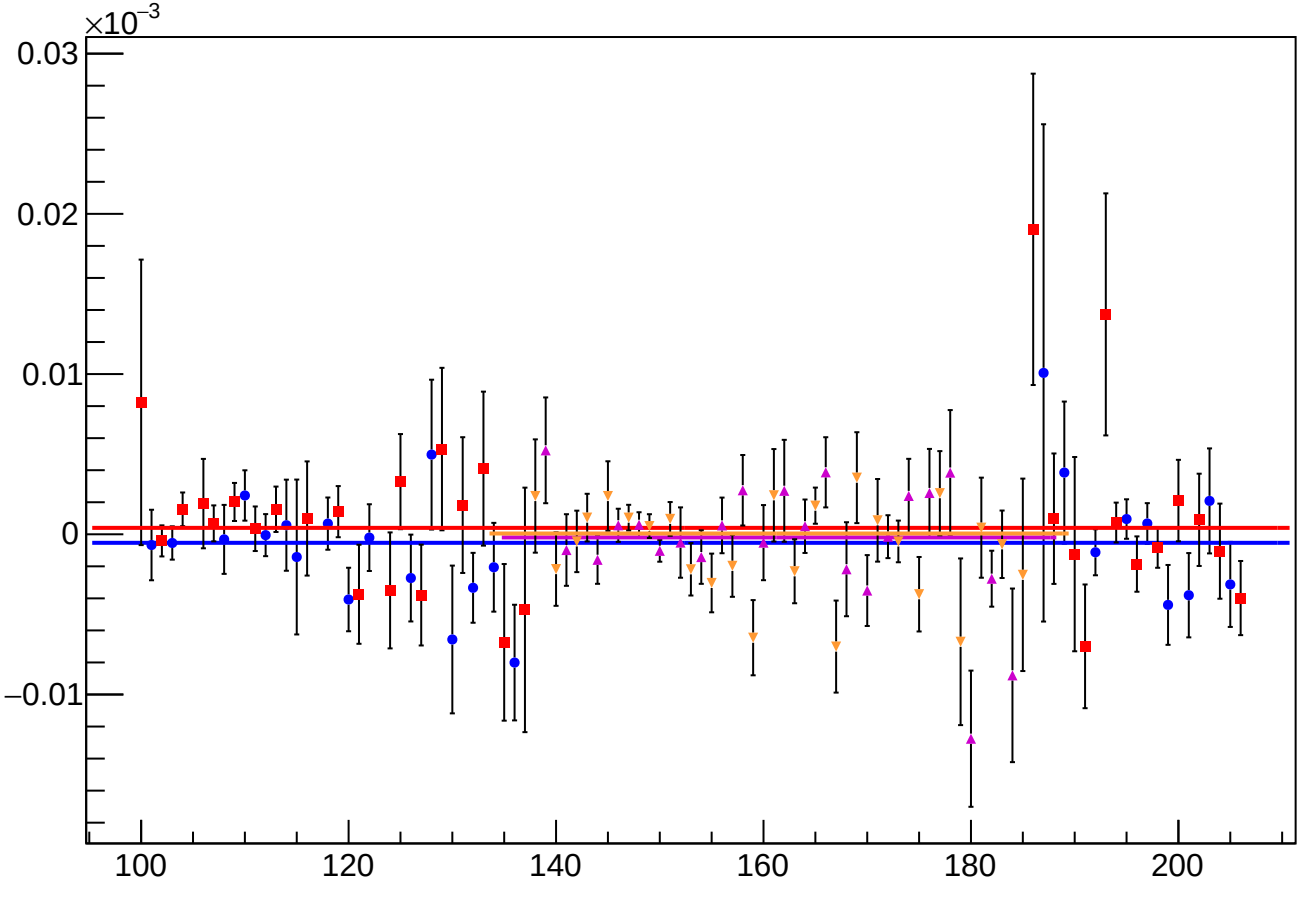
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.387+/-0.004 χ^2/NDF: 5878561.0/55

In: 27.259+/-0.004 χ^2/NDF:5684494.7/47

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.493+/-0.003 χ^2/NDF: 12488861.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

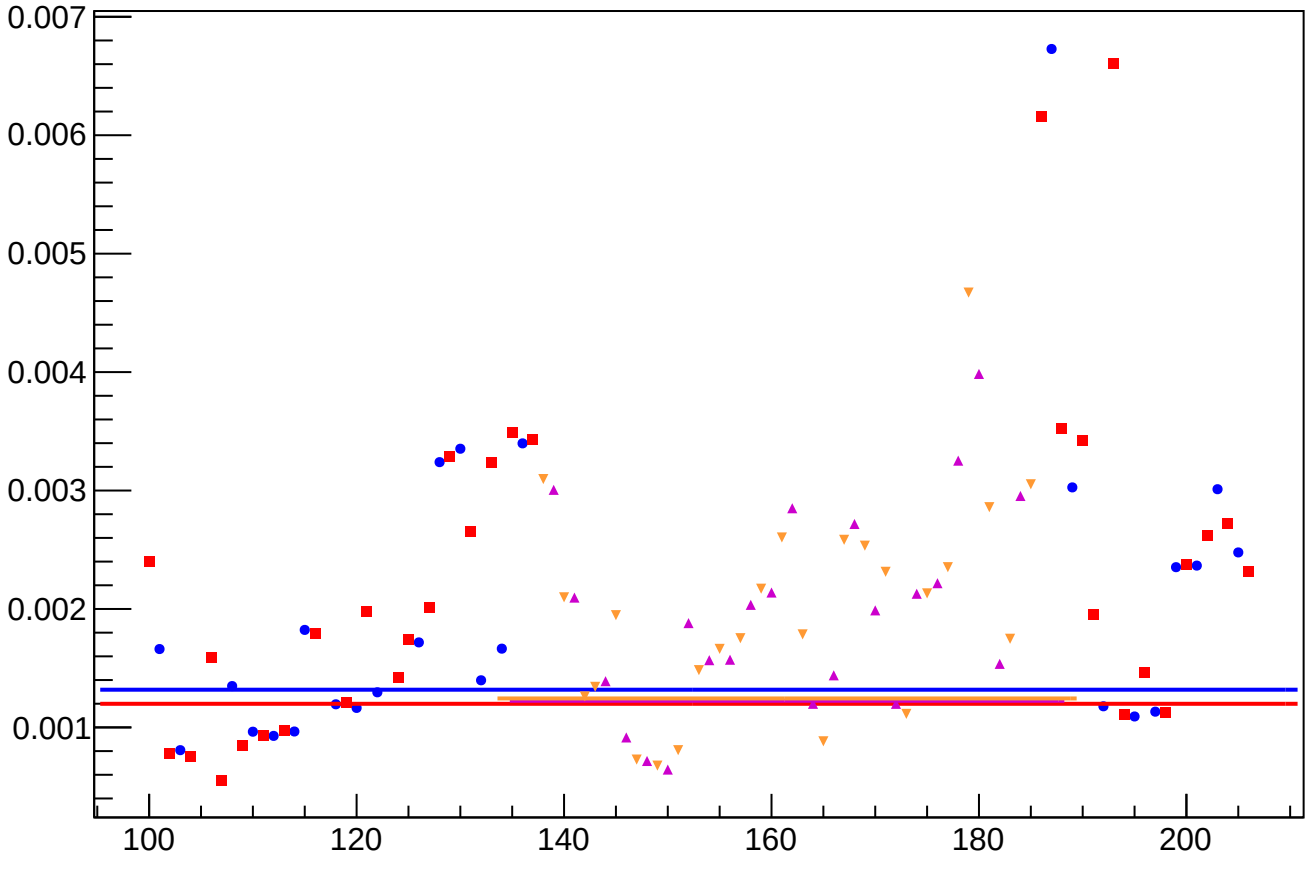
Right: -0.000+/-0.000 χ^2/NDF: 63.8/55

In: -0.000+/-0.000 χ^2/NDF:60.8/47

Out: 0.000+/-0.000 χ^2/NDF:71.0/55

All: -0.000+/-0.000 χ^2/NDF: 134.3/103

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4600517.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8239396.8/30

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

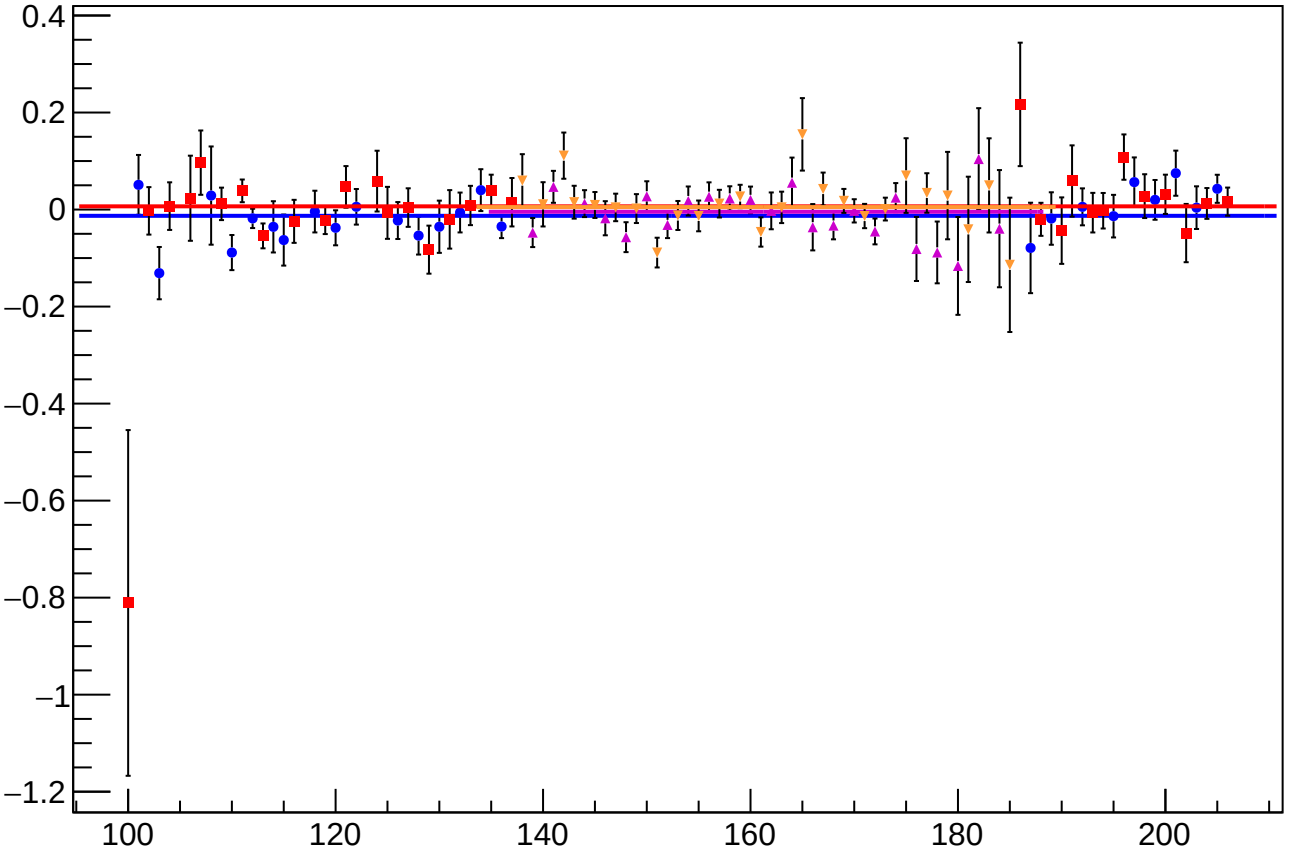
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 12940630.2/55

In: 0.001+/-0.000 χ^2/NDF:12488276.5/47

Out: 0.001+/-0.000 χ^2/NDF:16598221.5/55

All: 0.001+/-0.000 χ^2/NDF: 29112556.3/103



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

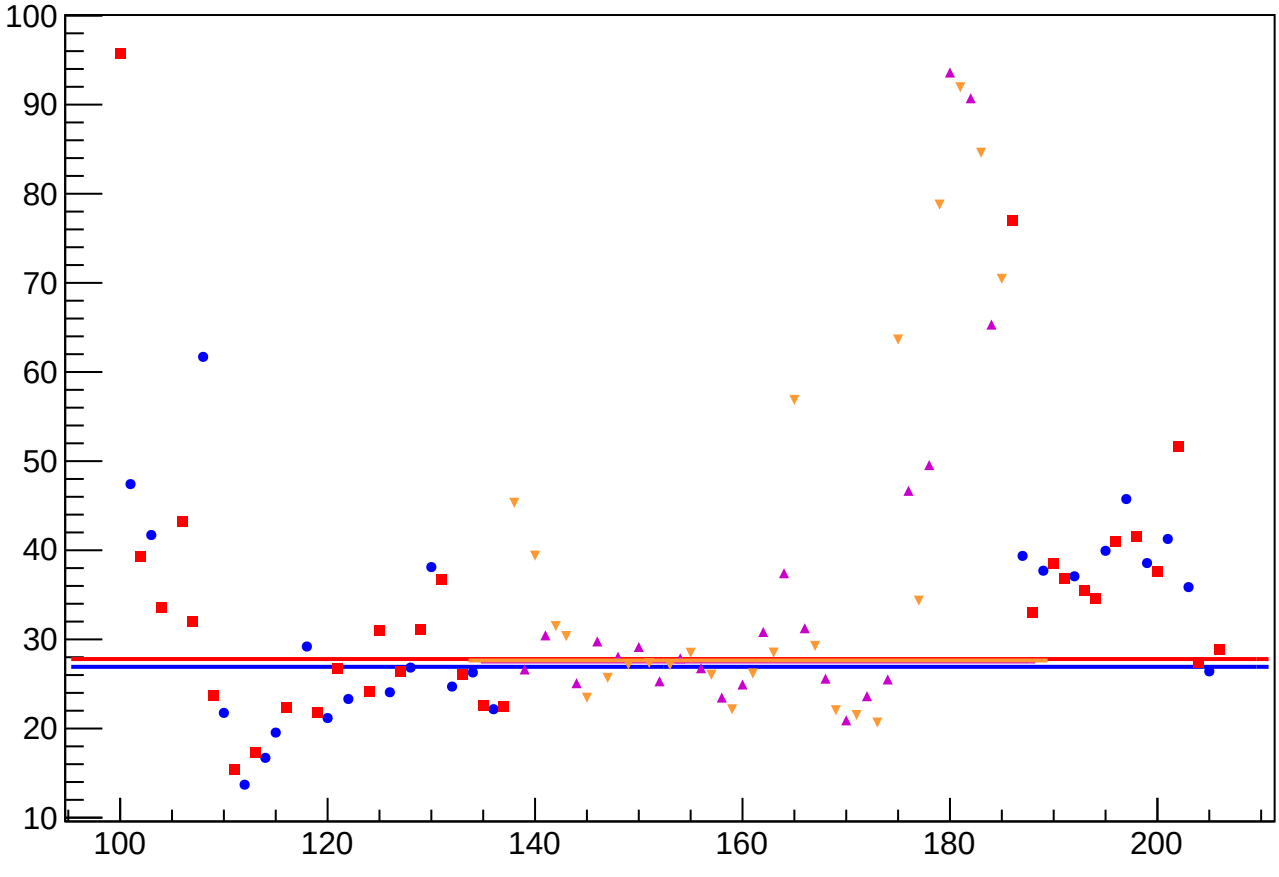
Right: -0.003+/-0.005 χ^2/NDF: 63.2/55

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 117.9/103

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

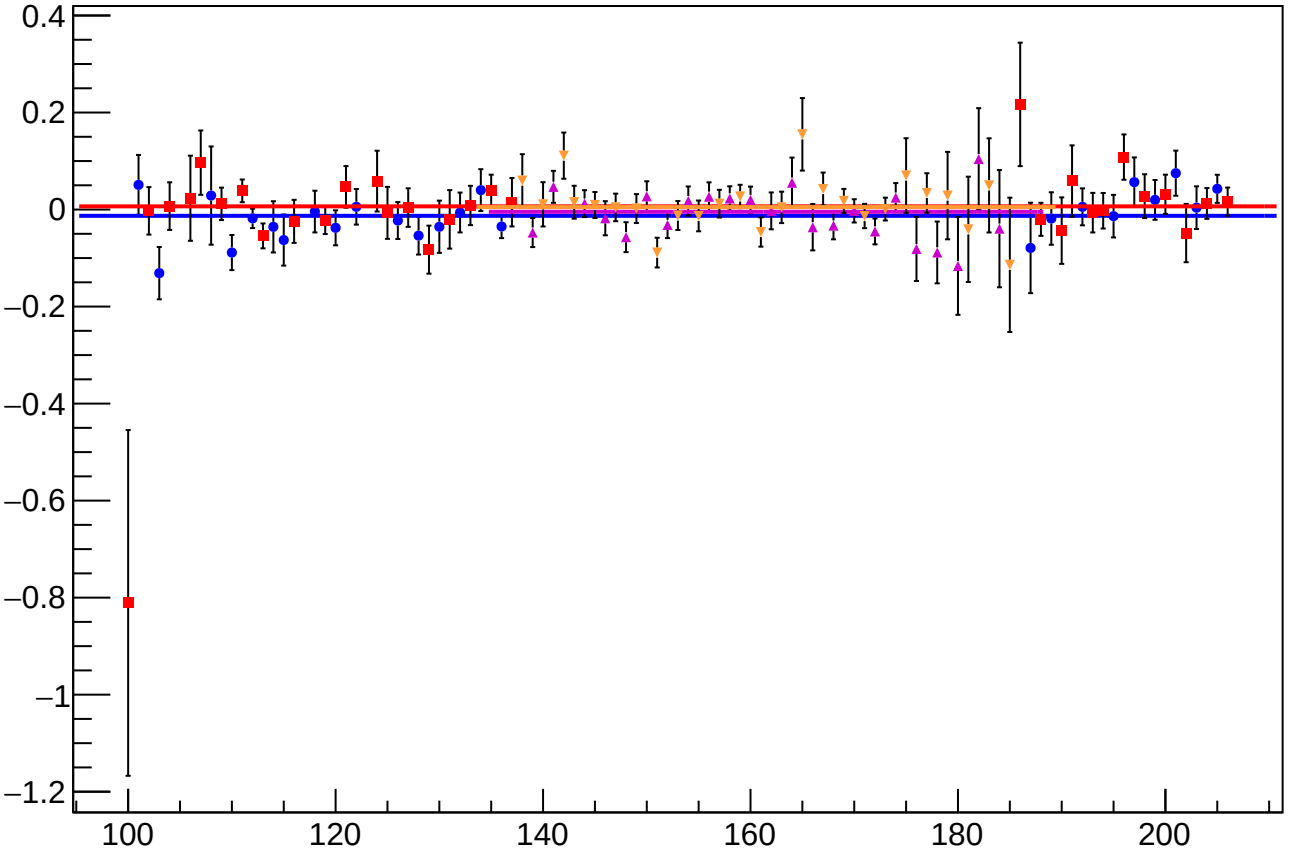
Right: 27.387+/-0.004 χ^2/NDF: 5878673.2/55

In: 27.259+/-0.004 χ^2/NDF:5684467.8/47

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.493+/-0.003 χ^2/NDF: 12488889.0/103

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

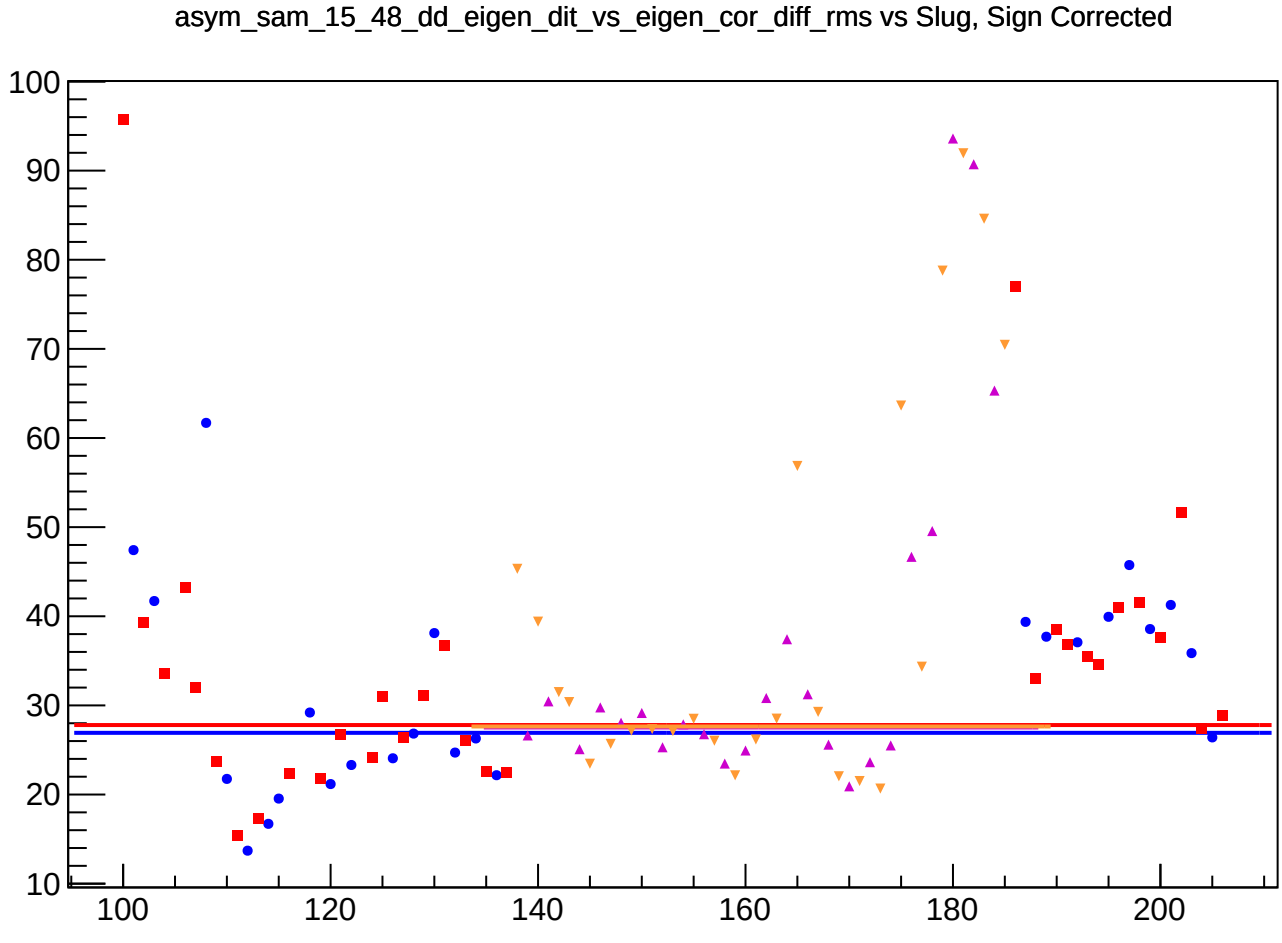
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.003+/-0.005 χ^2/NDF: 63.2/55

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 117.9/103



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

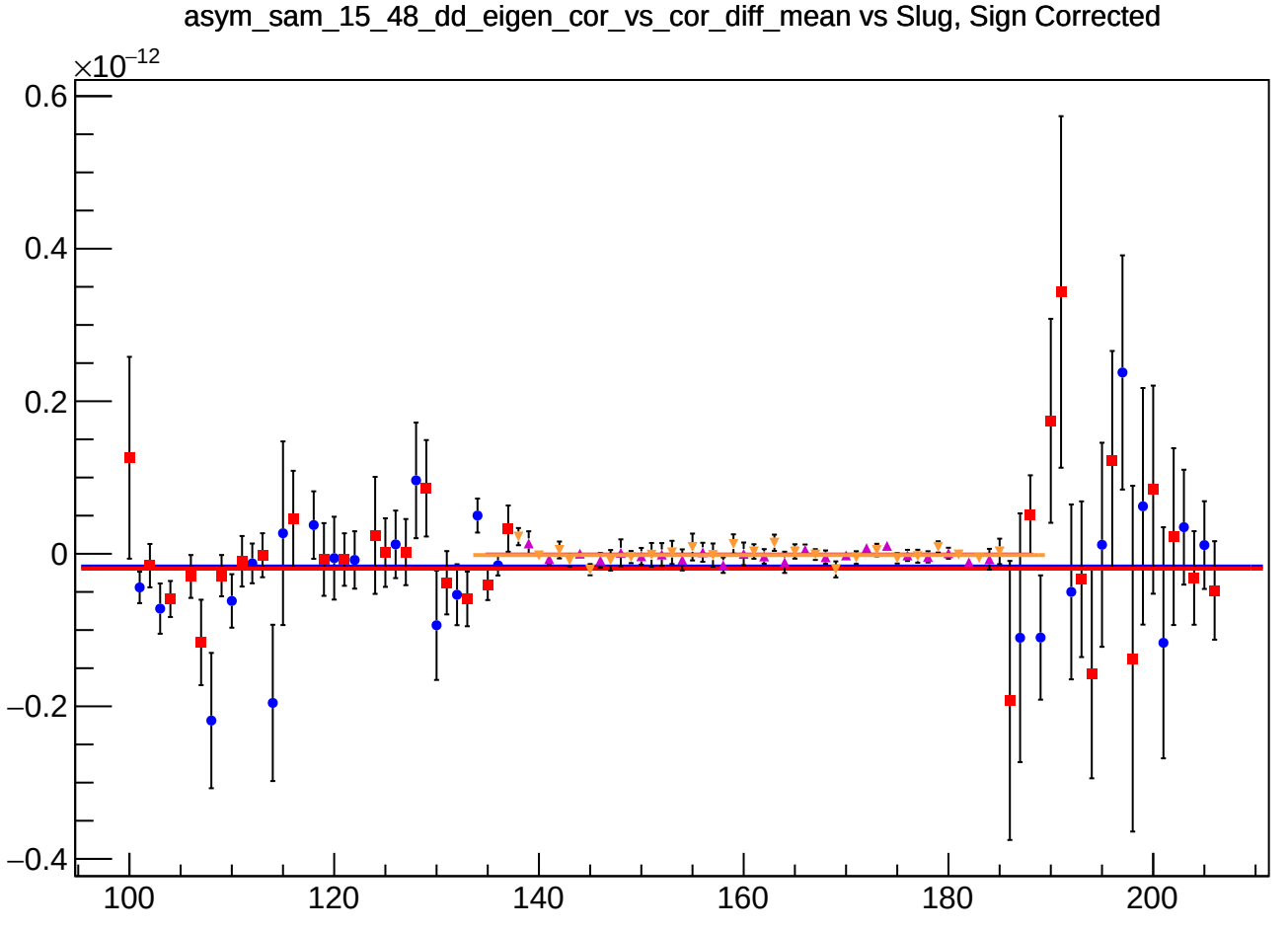
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.387+/-0.004 χ^2/NDF: 5878673.2/55

In: 27.259+/-0.004 χ^2/NDF:5684467.8/47

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.493+/-0.003 χ^2/NDF: 12488889.0/103



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

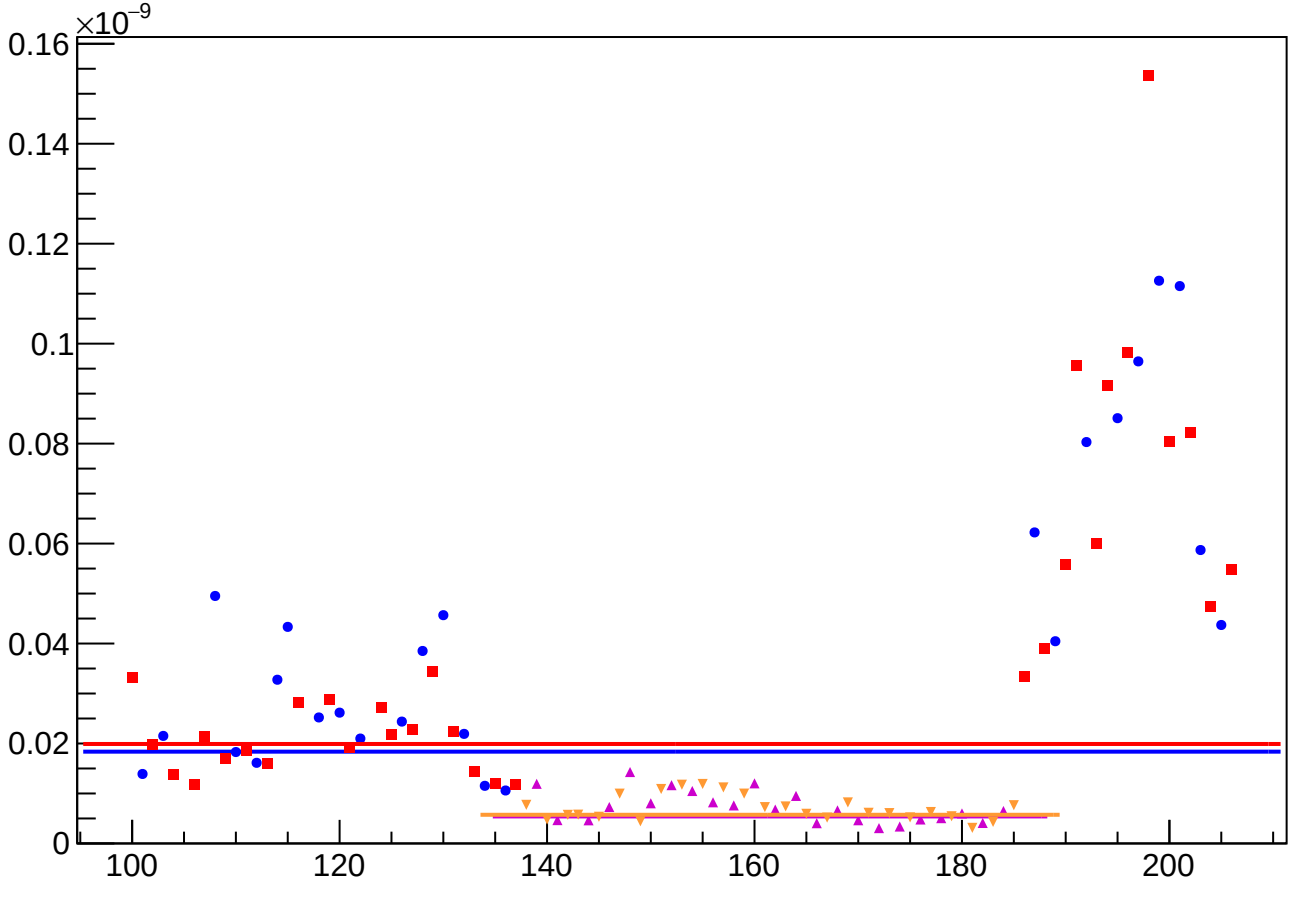
Right: -0.000+/-0.000 χ^2/NDF: 64.5/55

In: -0.000+/-0.000 χ^2/NDF:56.4/47

Out: -0.000+/-0.000 χ^2/NDF:58.3/55

All: -0.000+/-0.000 χ^2/NDF: 114.8/103

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6300014.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5880954.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

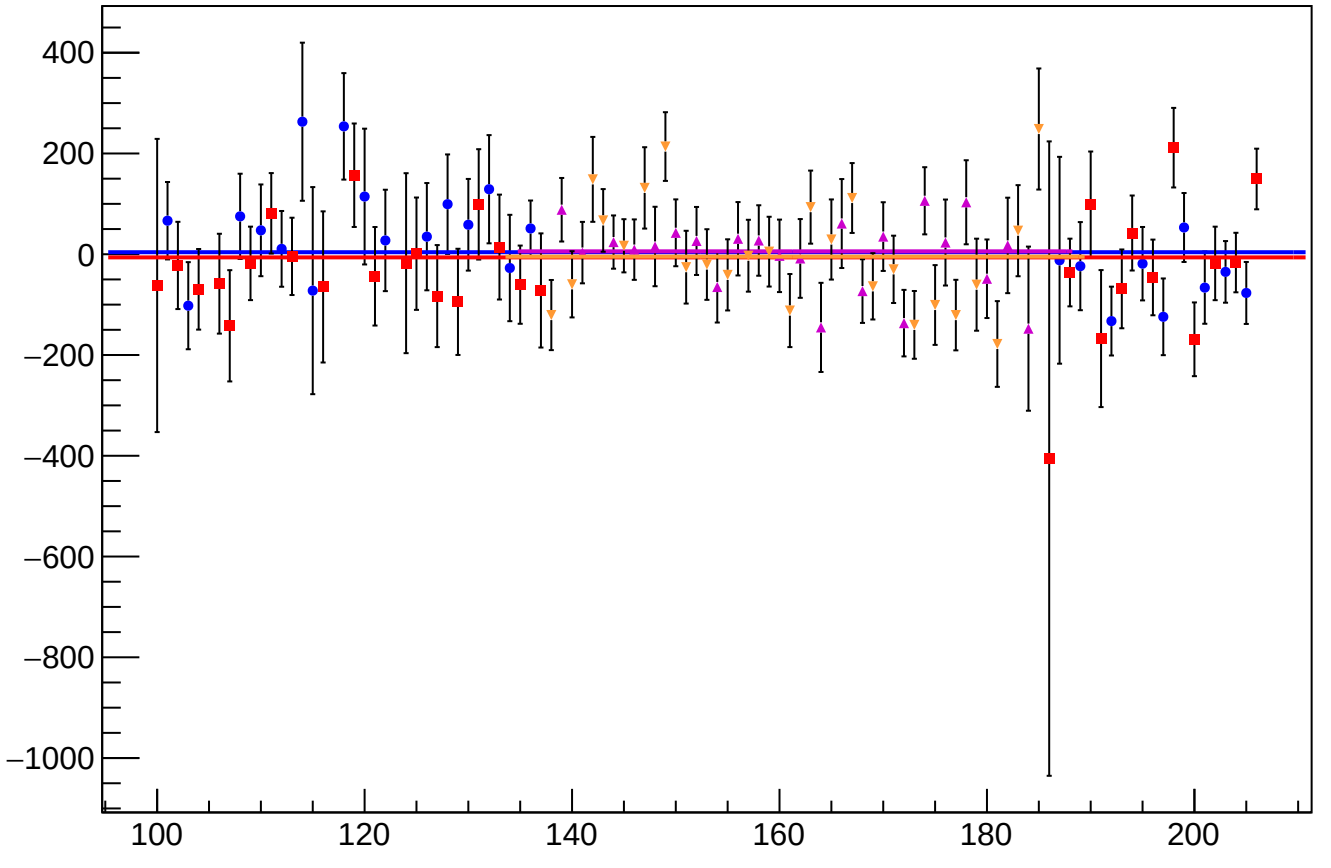
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12222150.3/55

In: 0.000+/-0.000 χ^2/NDF:15372000.9/47

Out: 0.000+/-0.000 χ^2/NDF:15161003.2/55

All: 0.000+/-0.000 χ^2/NDF: 30586971.1/103



Right In: 4.017+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -6.252+/-15.909 χ^2/NDF: 33.2/30

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

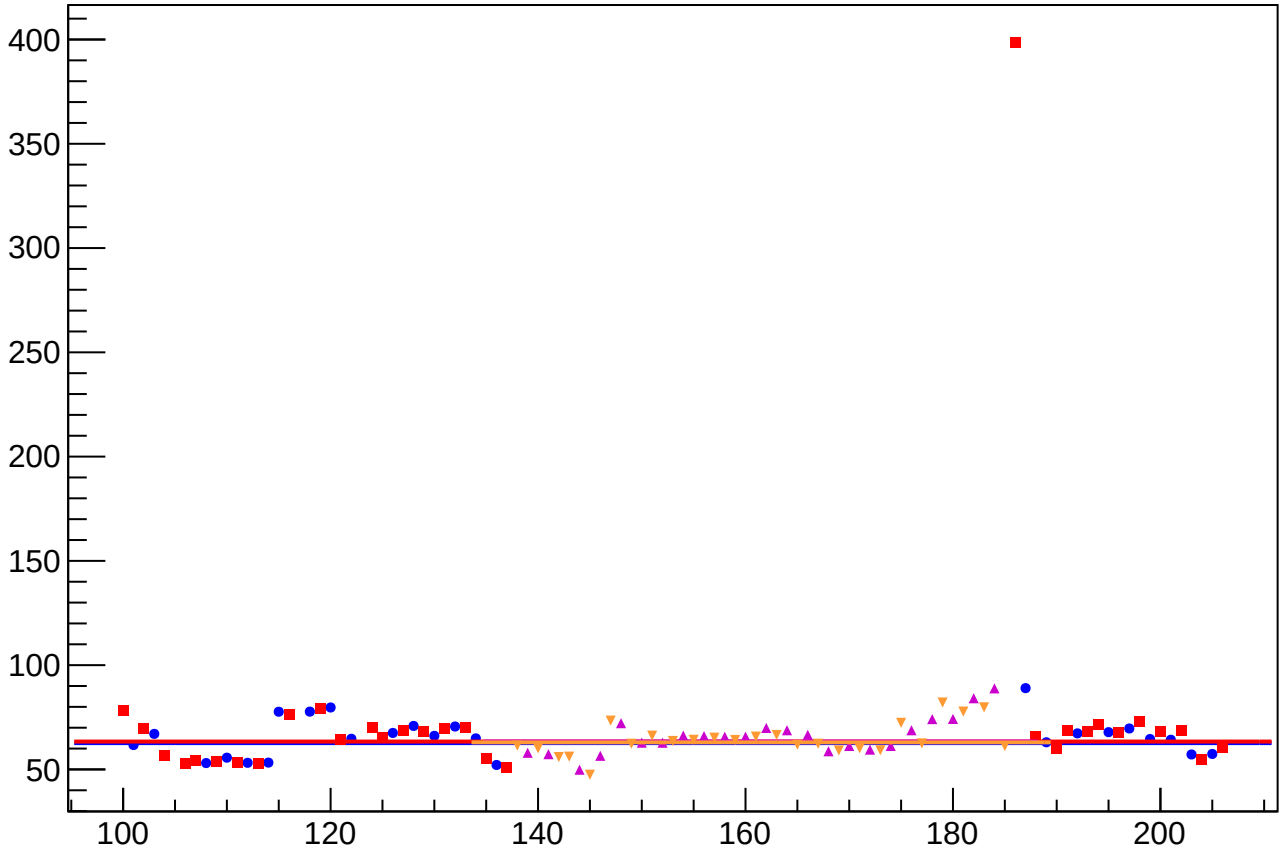
Right: -1.406+/-11.561 χ^2/NDF: 59.9/55

In: 5.002+/-11.169 χ^2/NDF:44.8/47

Out: -5.424+/-10.689 χ^2/NDF:80.6/55

All: -0.440+/-7.722 χ^2/NDF: 125.8/103

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.622+/-0.012 χ^2/NDF: 372925.2/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.365+/-0.011 χ^2/NDF: 1014399.2/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

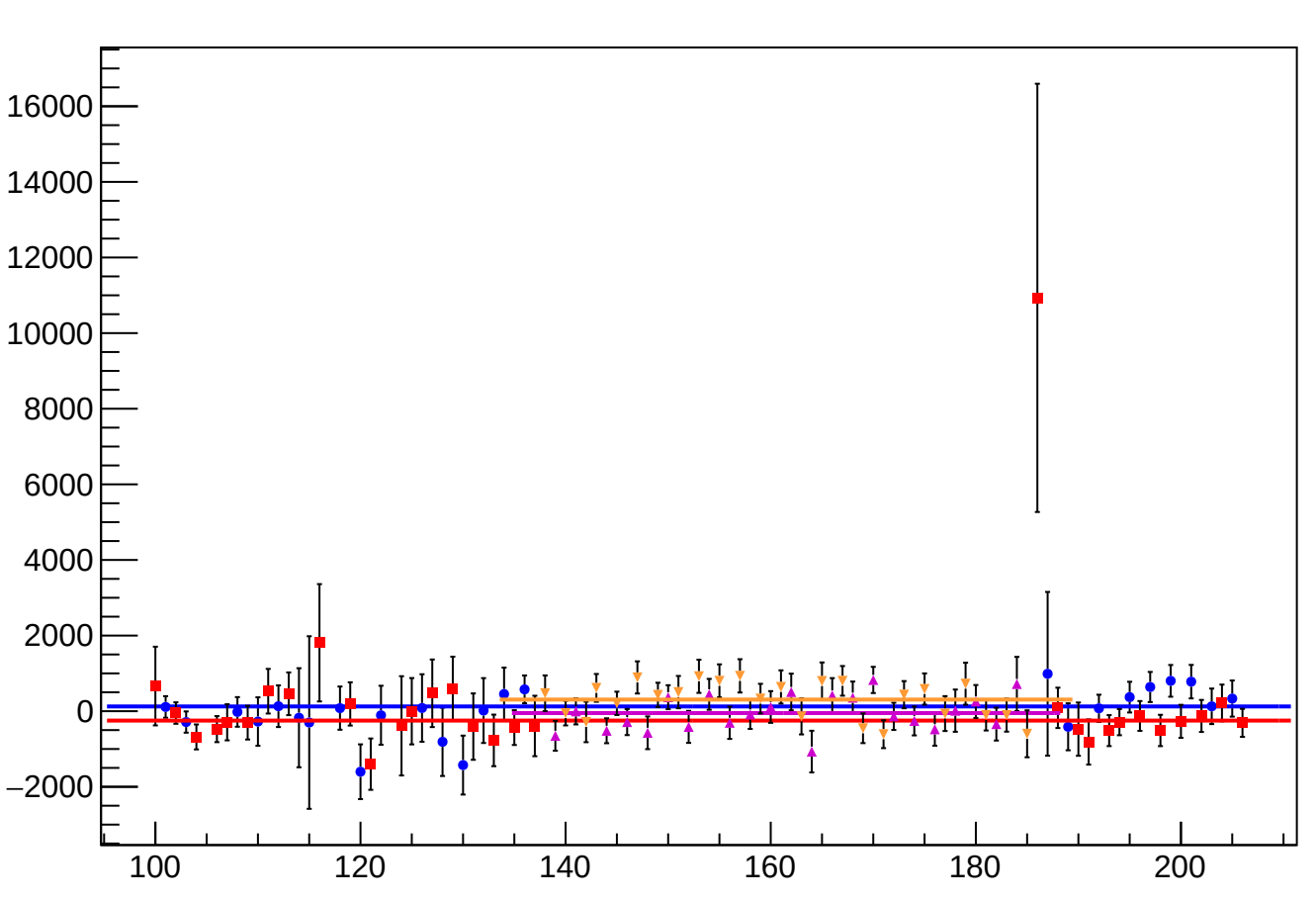
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.014+/-0.008 χ^2/NDF: 1389378.8/55

In: 63.038+/-0.008 χ^2/NDF:872033.2/47

Out: 63.151+/-0.008 χ^2/NDF:1541912.7/55

All: 63.097+/-0.005 χ^2/NDF: 2414053.5/103



Right In: 125.364+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -248.753+/-89.961 χ^2/NDF: 21.8/30

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

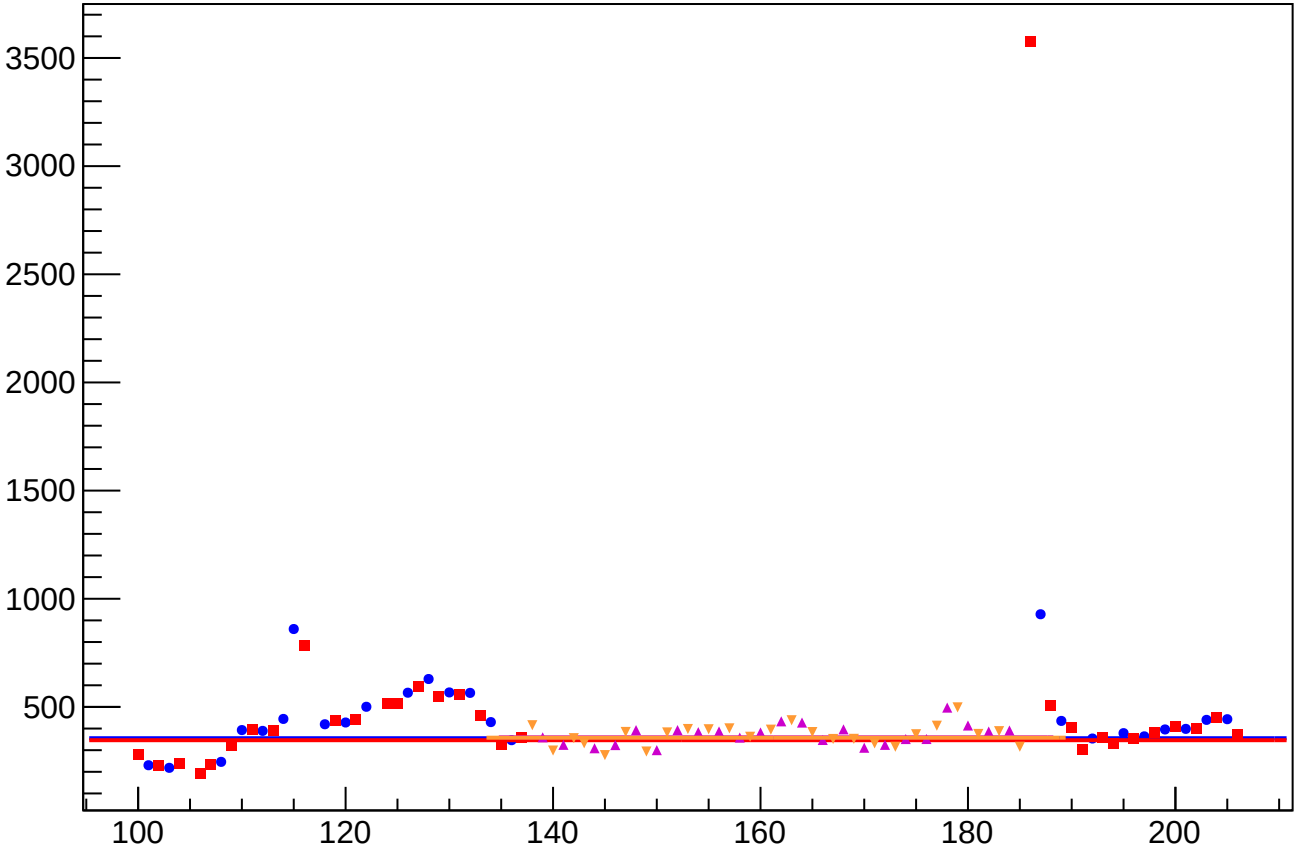
Right: -79.565+/-66.581 χ^2/NDF: 52.9/55

In: 24.228+/-64.422 χ^2/NDF:52.3/47

Out: 53.685+/-60.748 χ^2/NDF:73.2/55

All: 39.821+/-44.197 χ^2/NDF: 125.7/103

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 355.297+/-0.070 χ^2/NDF: 2186350.8/24

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.155+/-0.064 χ^2/NDF: 2986156.1/30

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

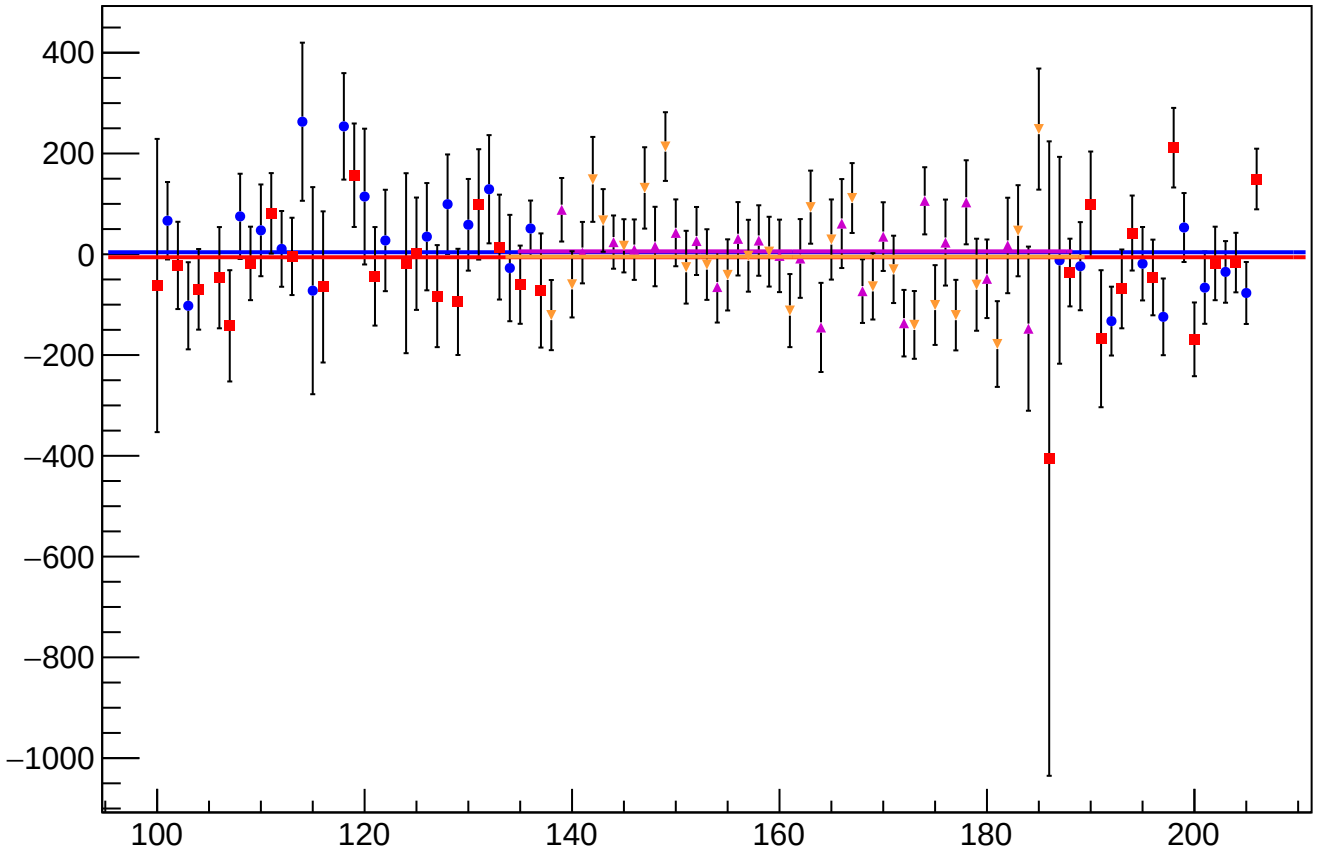
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 350.290+/-0.047 χ^2/NDF: 5181846.9/55

In: 357.634+/-0.046 χ^2/NDF:2708043.0/47

Out: 352.453+/-0.043 χ^2/NDF:3687902.1/55

All: 354.892+/-0.031 χ^2/NDF: 6402792.7/103



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -5.913+/-15.915 χ^2/NDF: 33.1/30

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

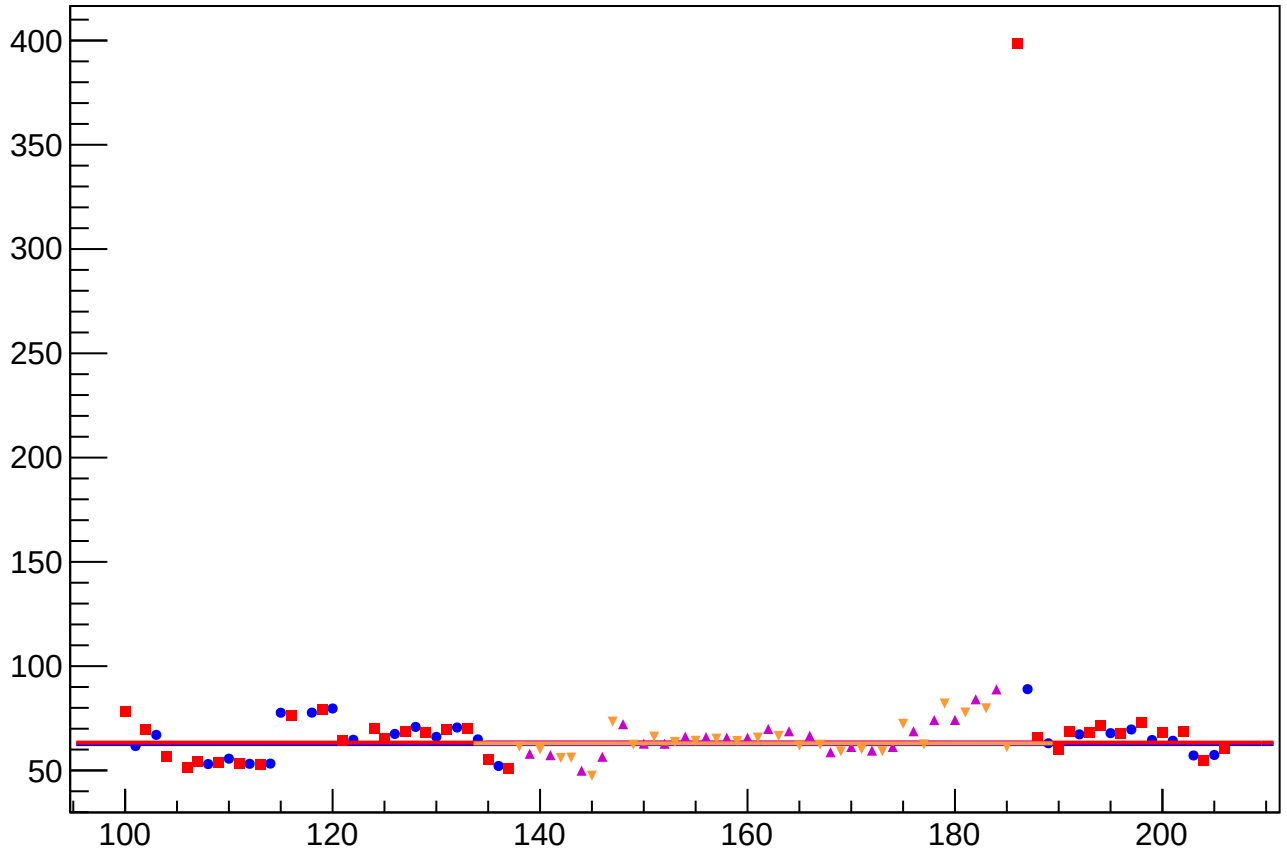
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -1.228+/-11.563 χ^2/NDF: 59.8/55

In: 4.999+/-11.169 χ^2/NDF:44.8/47

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -0.362+/-7.723 χ^2/NDF: 125.7/103



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

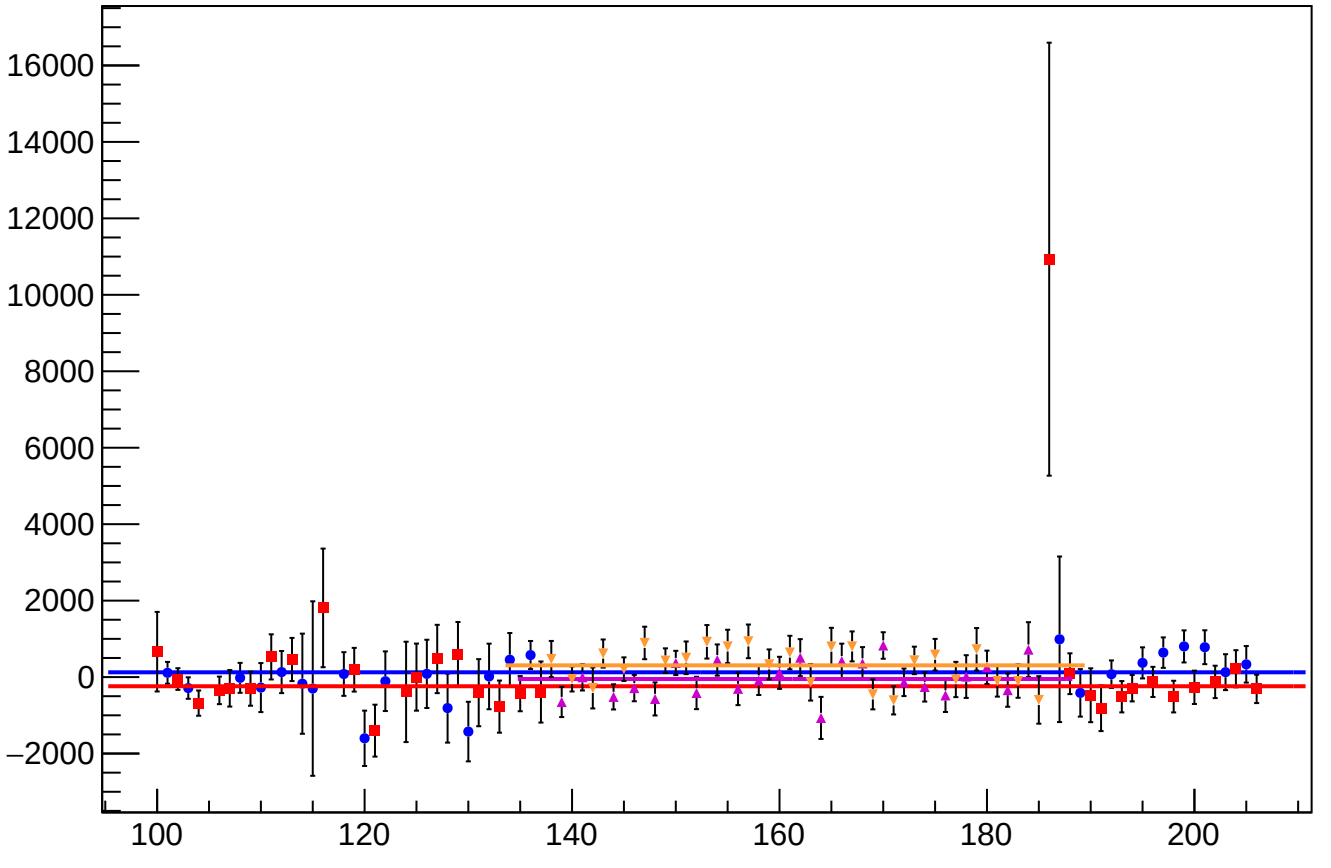
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.004+/-0.008 χ^2/NDF: 1393411.7/55

In: 63.038+/-0.008 χ^2/NDF:872033.4/47

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.093+/-0.005 χ^2/NDF: 2418111.9/103



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

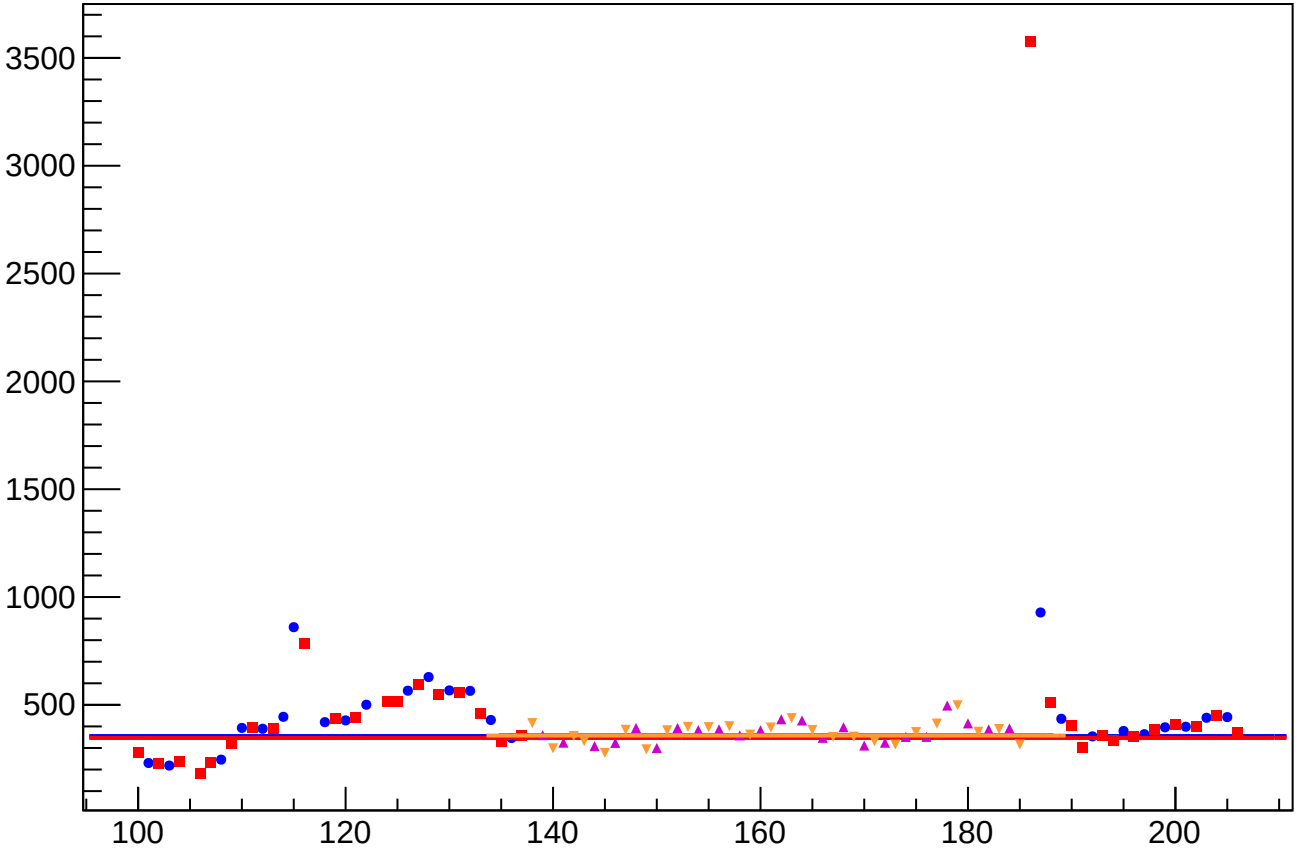
Right: -74.007+/-66.692 χ^2/NDF: 52.1/55

In: 24.232+/-64.422 χ^2/NDF:52.3/47

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 42.439+/-44.229 χ^2/NDF: 124.6/103

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

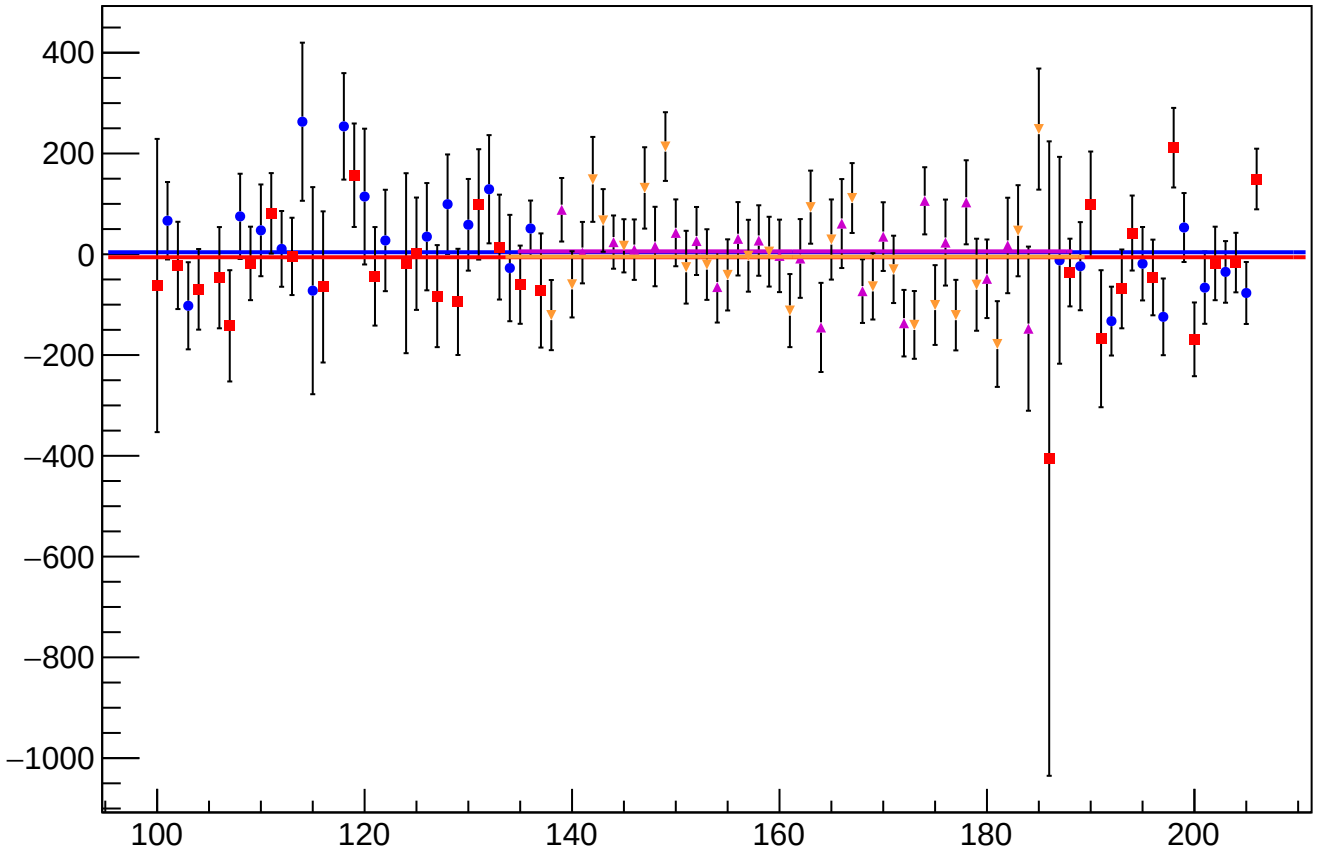
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 350.468+/-0.047 χ^2/NDF: 5196362.5/55

In: 357.635+/-0.046 χ^2/NDF:2707962.7/47

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 354.977+/-0.031 χ^2/NDF: 6416545.3/103



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -5.913+/-15.915 χ^2/NDF: 33.1/30

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

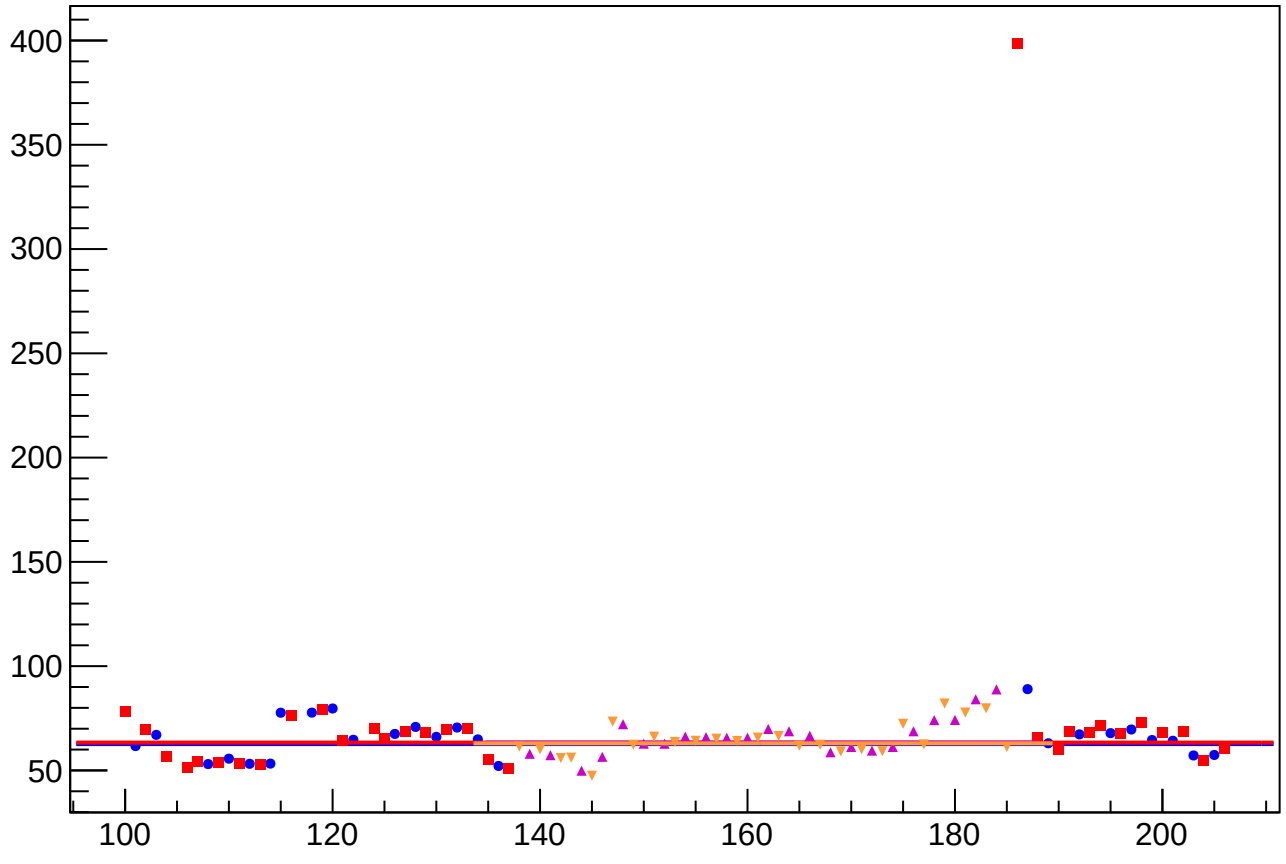
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -1.228+/-11.563 χ^2/NDF: 59.8/55

In: 4.999+/-11.169 χ^2/NDF:44.8/47

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -0.362+/-7.723 χ^2/NDF: 125.7/103



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

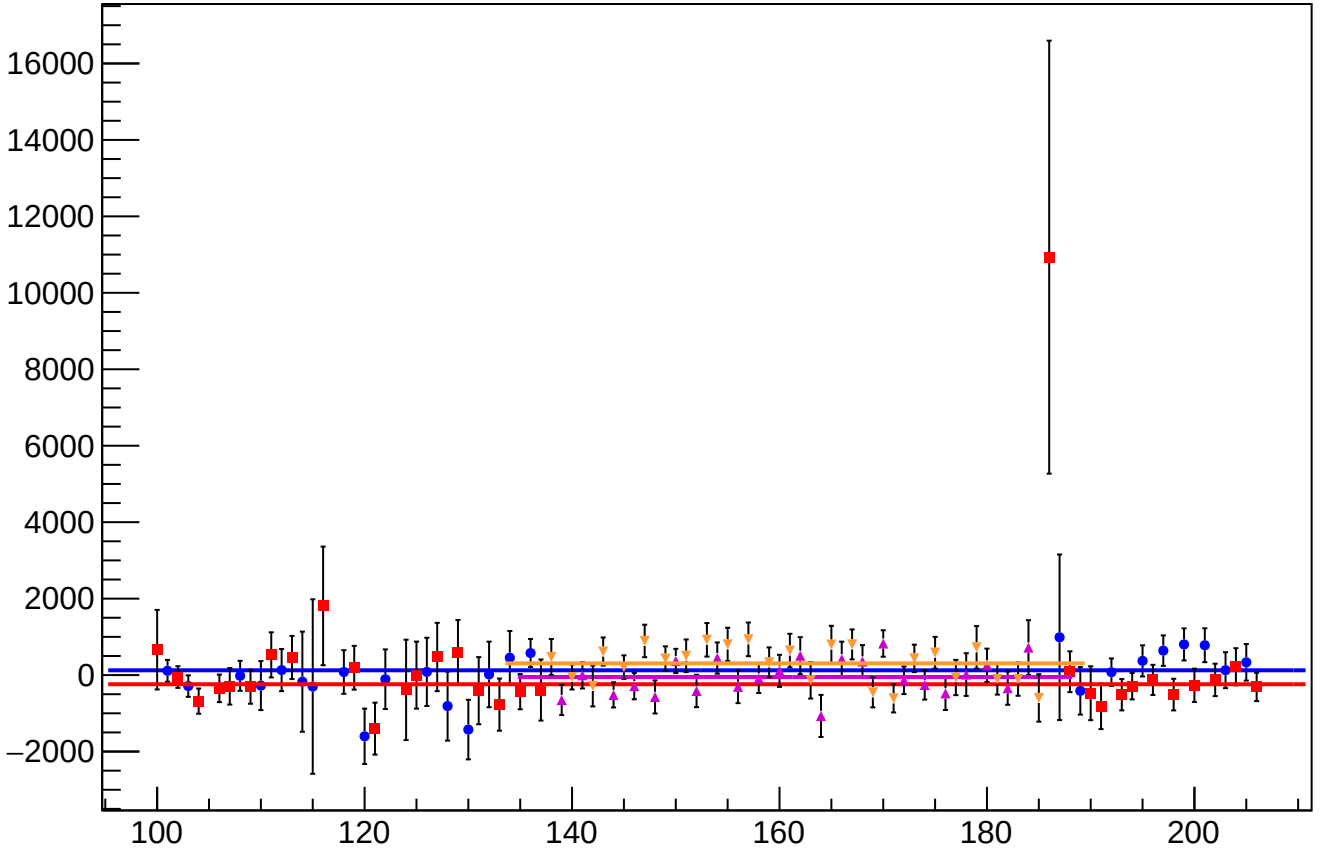
Right: 63.004+/-0.008 χ^2/NDF: 1393411.7/55

In: 63.038+/-0.008 χ^2/NDF:872033.4/47

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.093+/-0.005 χ^2/NDF: 2418111.9/103

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

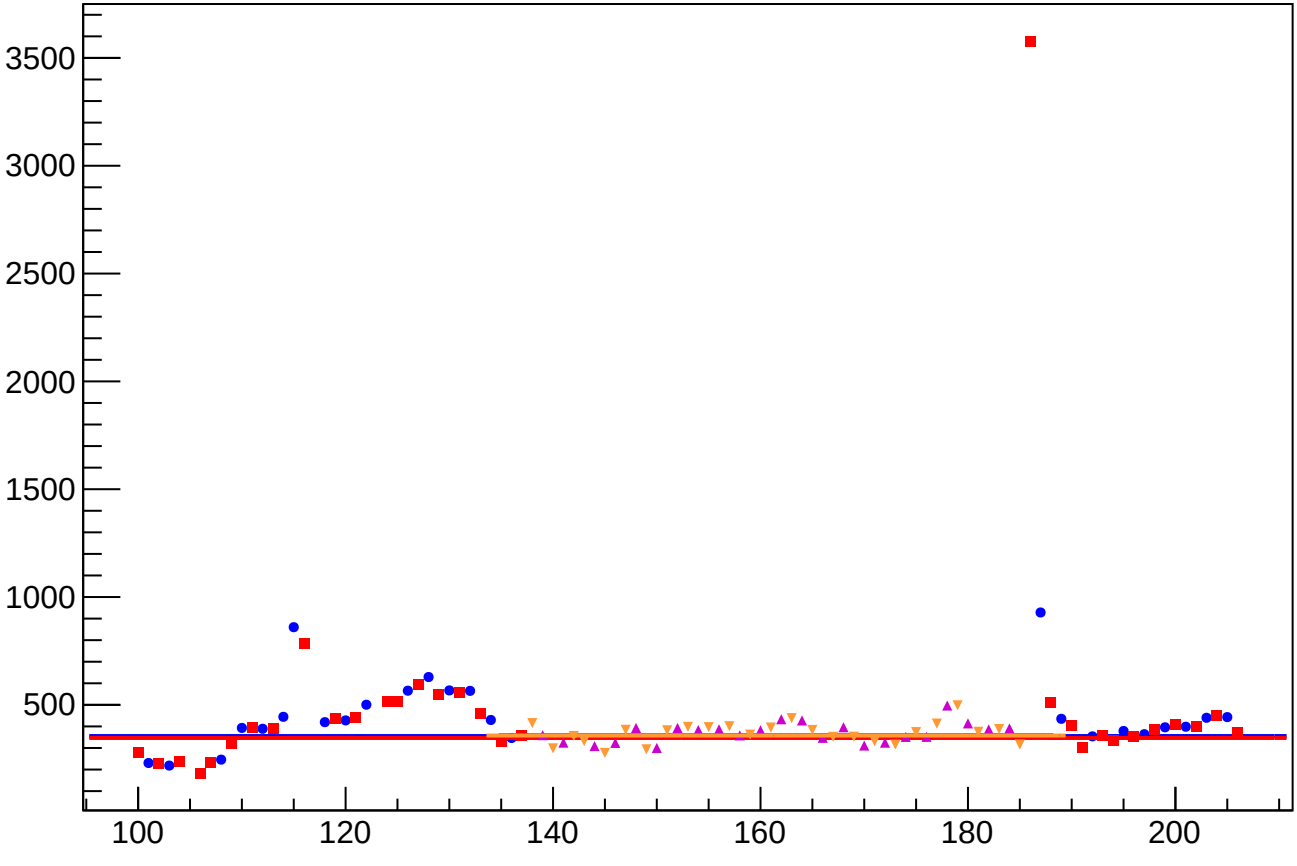
Right: -74.007+/-66.692 χ^2/NDF: 52.1/55

In: 24.232+/-64.422 χ^2/NDF:52.3/47

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 42.439+/-44.229 χ^2/NDF: 124.6/103

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

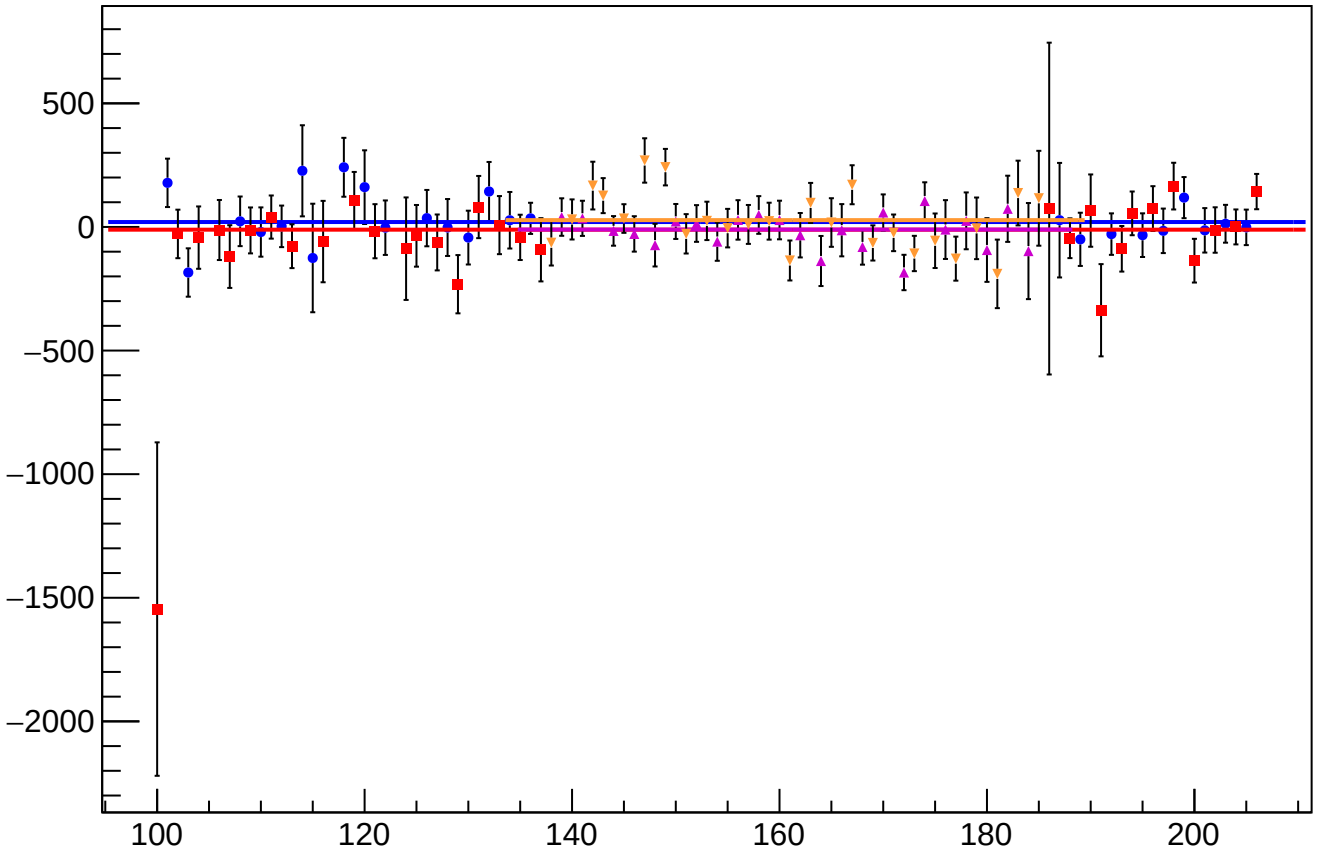
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 350.468+/-0.047 χ^2/NDF: 5196362.5/55

In: 357.635+/-0.046 χ^2/NDF:2707962.7/47

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 354.977+/-0.031 χ^2/NDF: 6416545.3/103



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.999+/-18.985 χ^2/NDF: 28.8/30

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

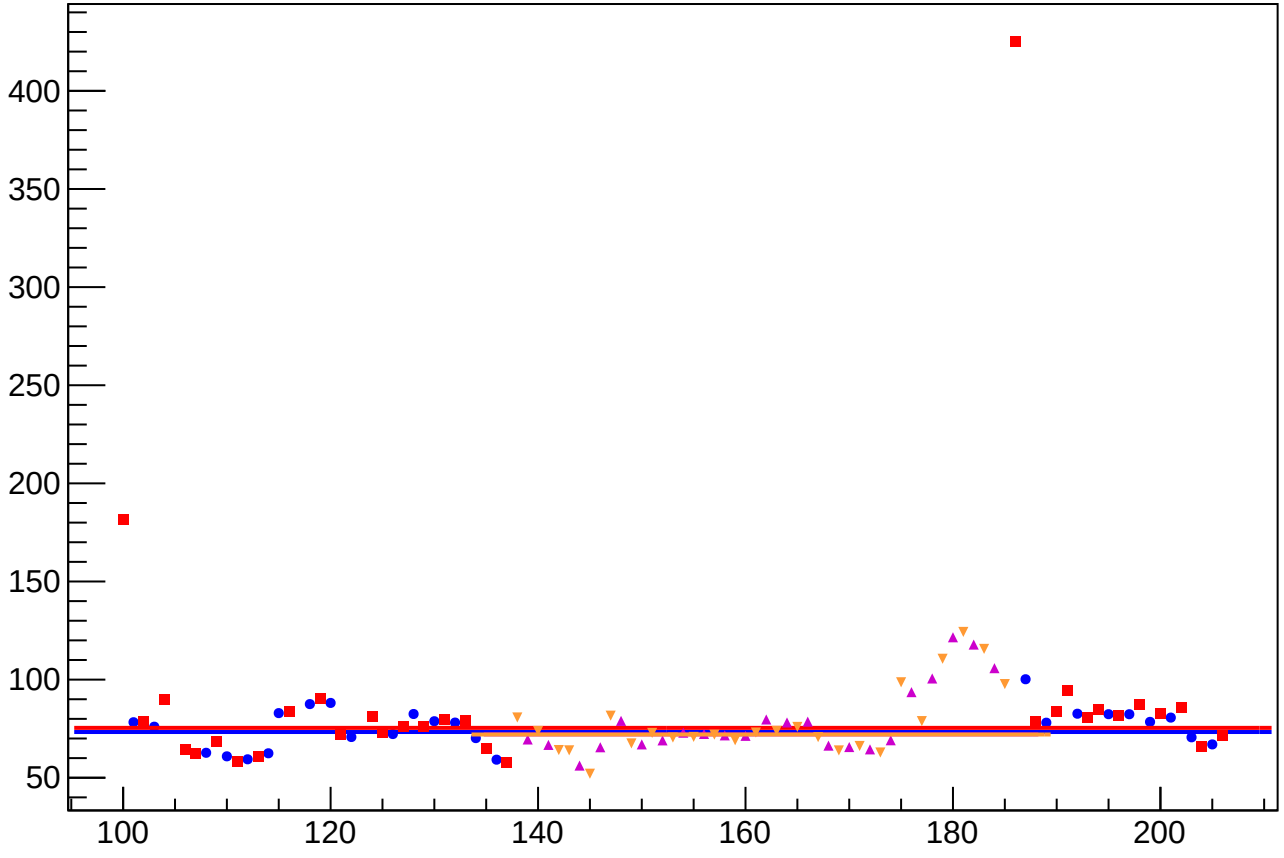
Right: 3.864+/-13.686 χ^2/NDF: 47.8/55

In: 2.643+/-12.980 χ^2/NDF:35.2/47

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 6.820+/-9.025 χ^2/NDF: 108.9/103

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.300+/-0.014 χ^2/NDF: 433369.8/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095251.6/30

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

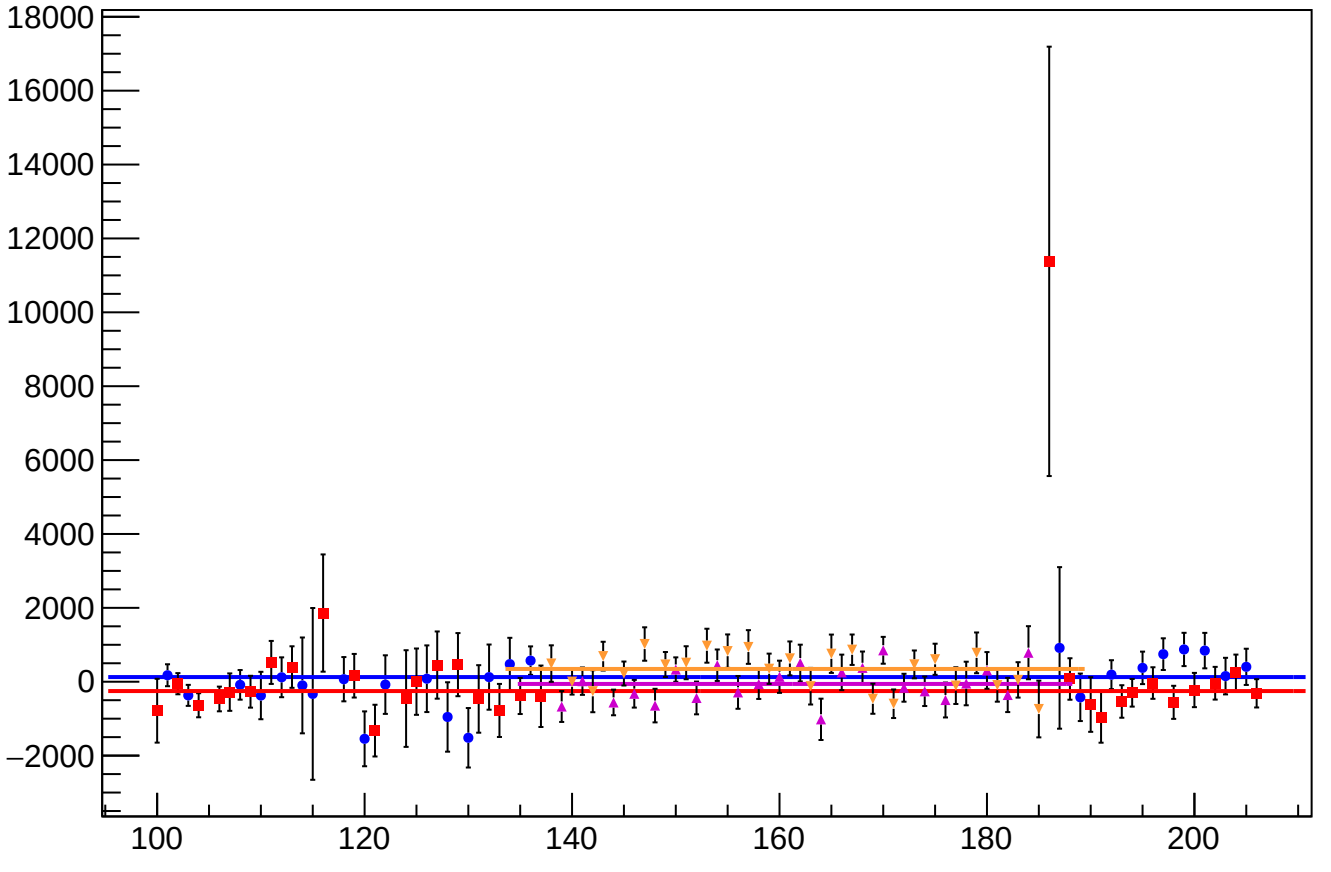
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.400+/-0.010 χ^2/NDF: 1540561.0/55

In: 72.614+/-0.009 χ^2/NDF:1496479.3/47

Out: 73.518+/-0.009 χ^2/NDF:2400301.7/55

All: 73.081+/-0.006 χ^2/NDF: 3901785.2/103



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

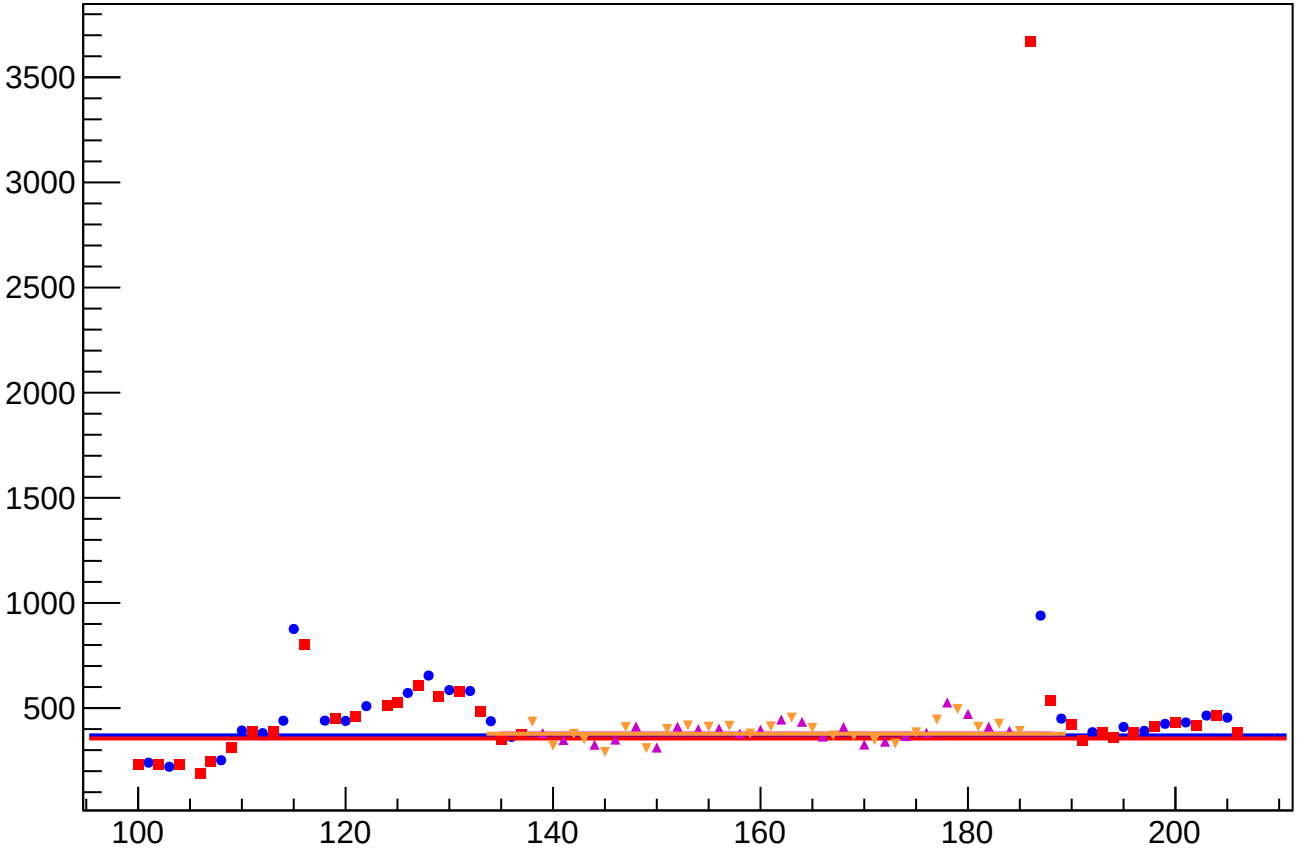
Right: -83.360+/-68.968 χ^2/NDF: 52.8/55

In: 19.931+/-67.573 χ^2/NDF:52.5/47

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 44.612+/-46.226 χ^2/NDF: 124.5/103

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.004+/-0.073 χ^2/NDF: 2260339.7/24

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262716.6/30

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

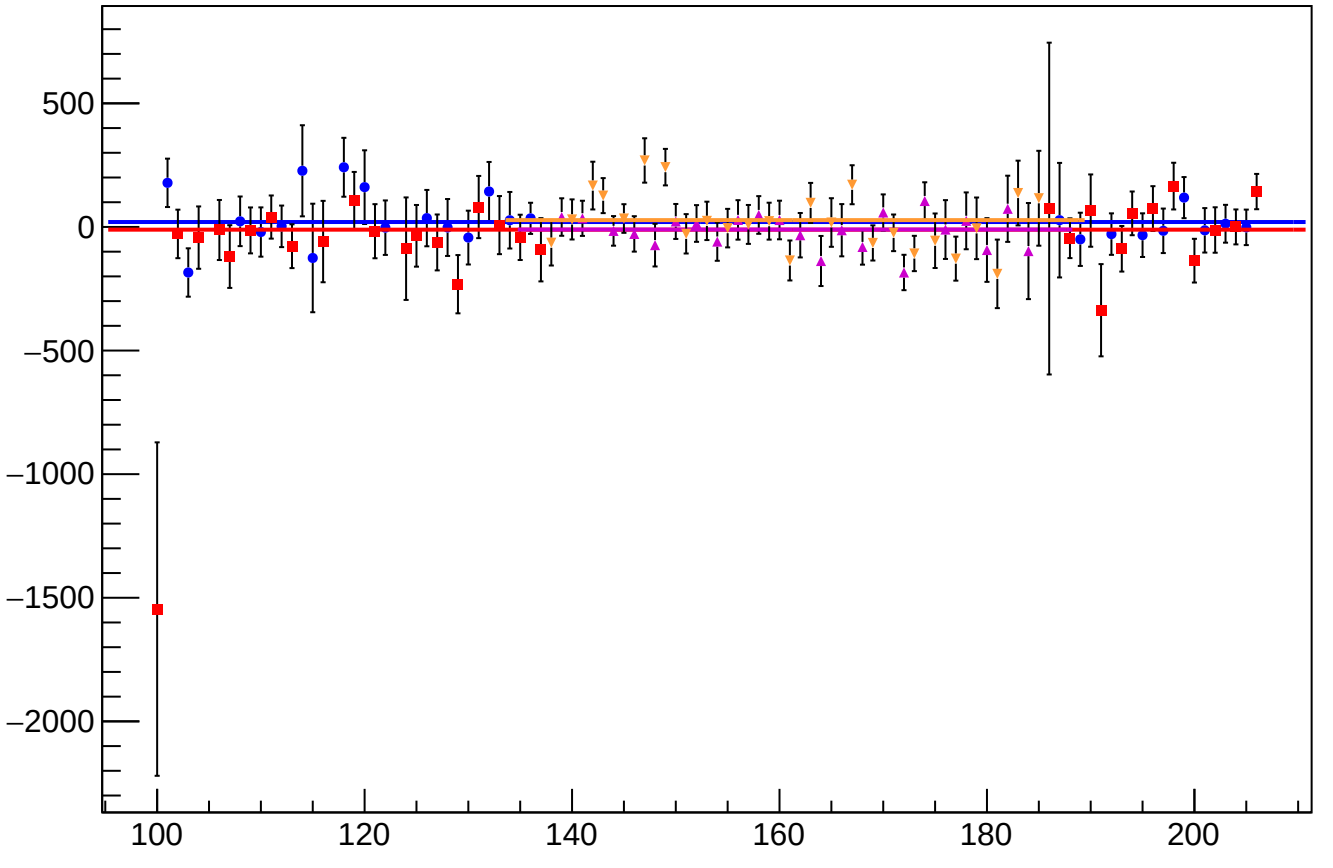
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 361.933+/-0.049 χ^2/NDF: 5545170.5/55

In: 375.067+/-0.048 χ^2/NDF:2796457.1/47

Out: 367.341+/-0.045 χ^2/NDF:3961518.0/55

All: 370.957+/-0.033 χ^2/NDF: 6771887.0/103



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.999+/-18.985 χ^2/NDF: 28.8/30

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

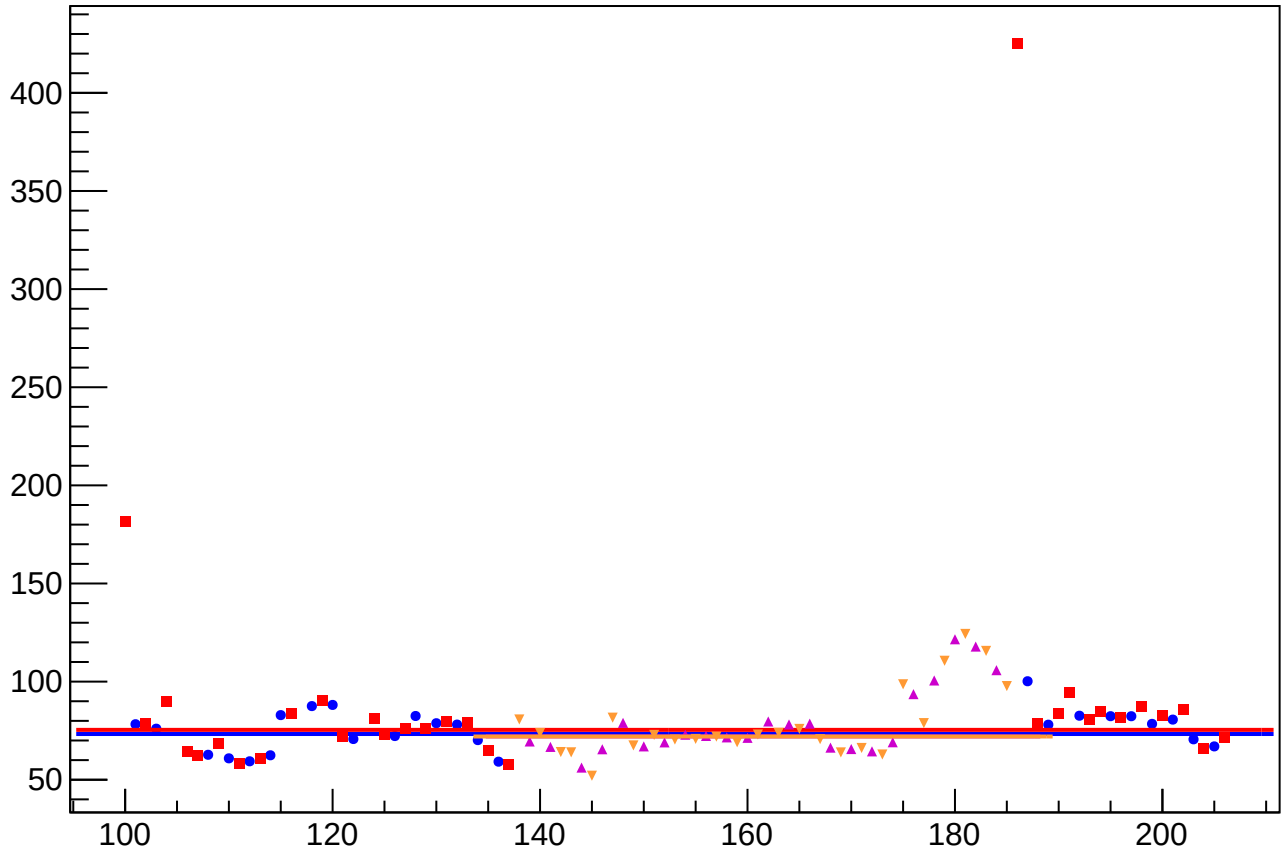
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 3.864+/-13.686 χ^2/NDF: 47.8/55

In: 2.643+/-12.980 χ^2/NDF:35.2/47

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 6.820+/-9.025 χ^2/NDF: 108.8/103



Right In: 73.300+/-0.014 χ^2/NDF: 433368.3/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095252.1/30

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

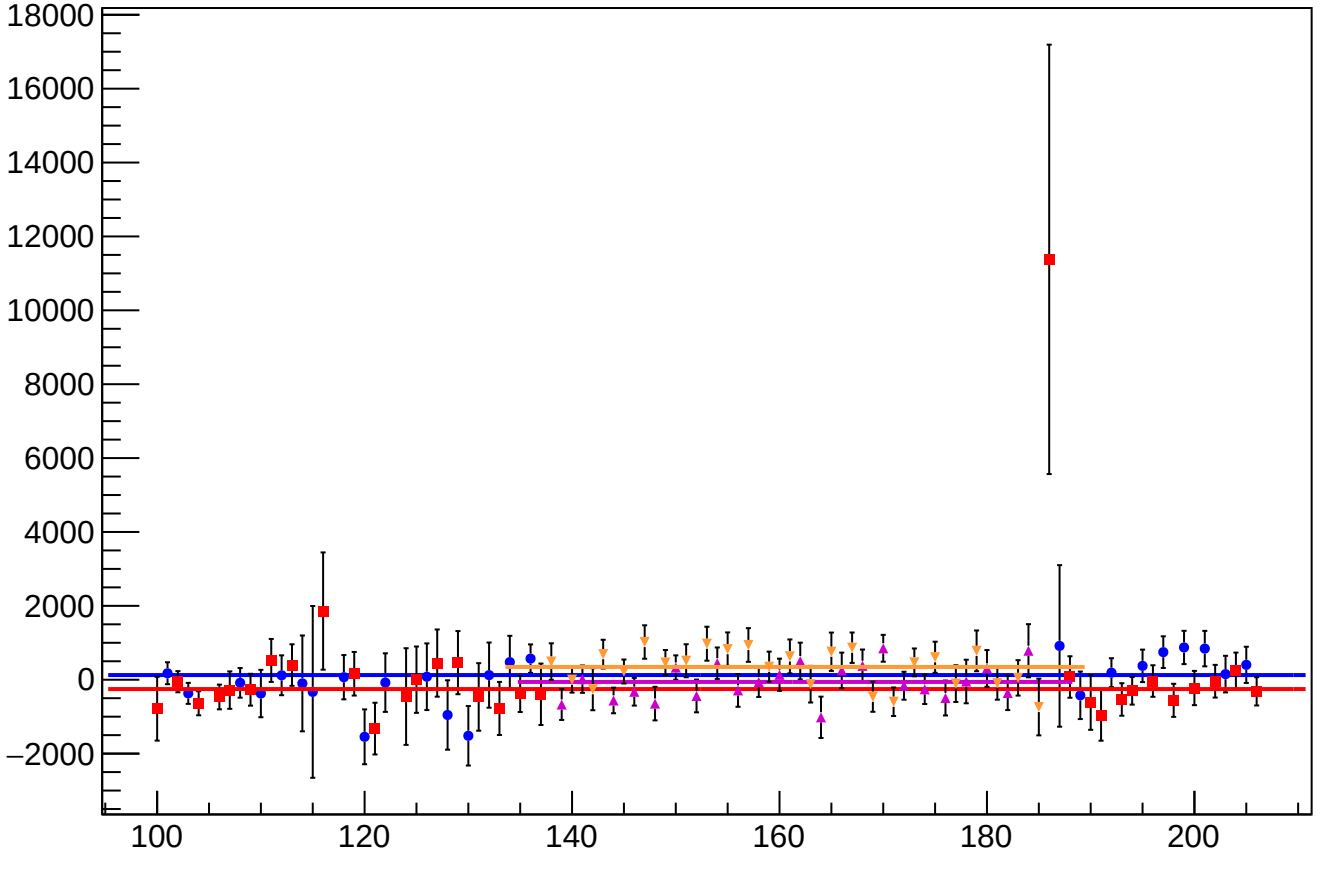
Right: 74.400+/-0.010 χ^2/NDF: 1540560.3/55

In: 72.614+/-0.009 χ^2/NDF:1496467.8/47

Out: 73.518+/-0.009 χ^2/NDF:2400309.4/55

All: 73.081+/-0.006 χ^2/NDF: 3901781.6/103

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

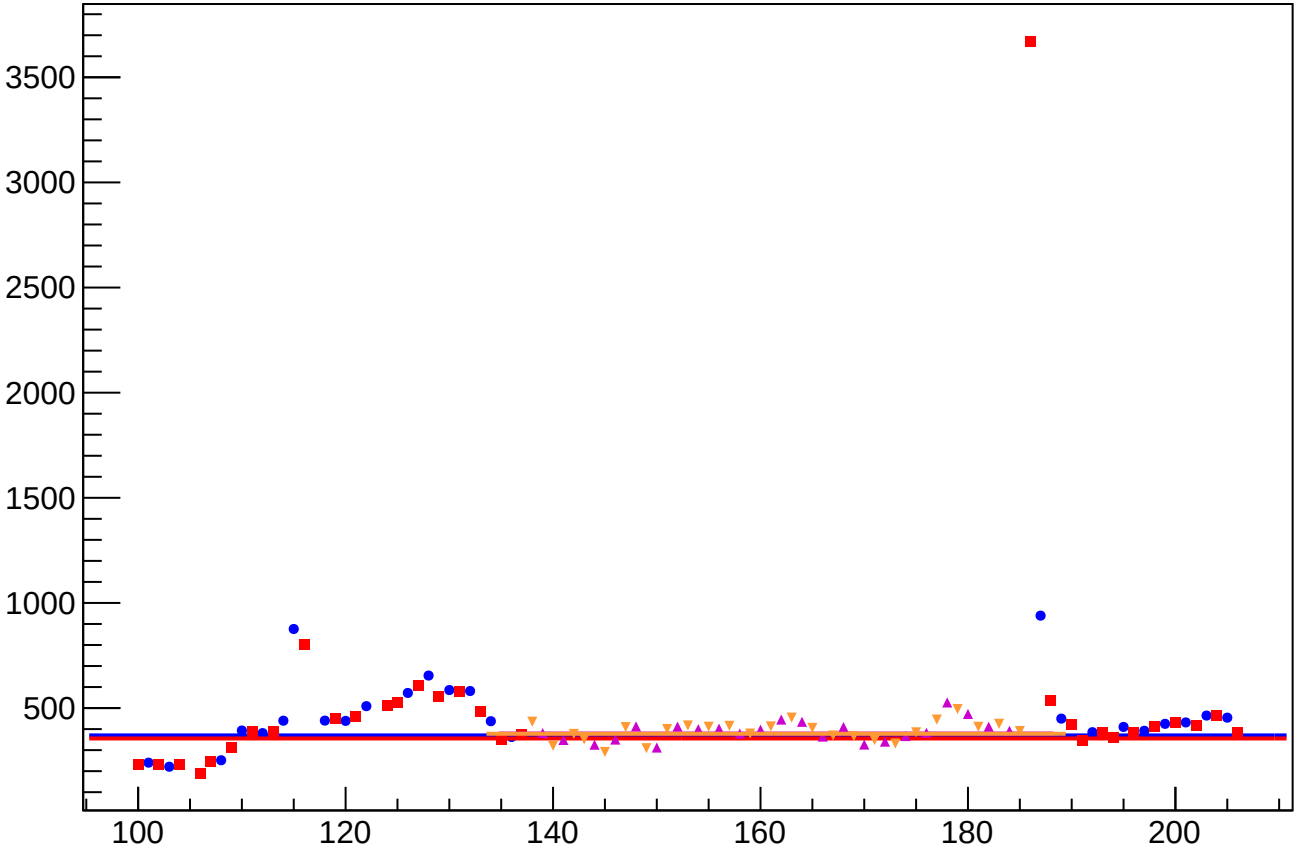
Right: -83.360+/-68.968 χ^2/NDF: 52.8/55

In: 19.931+/-67.573 χ^2/NDF:52.5/47

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 44.612+/-46.226 χ^2/NDF: 124.5/103

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.004+/-0.073 χ^2/NDF: 2260329.6/24

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262703.3/30

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

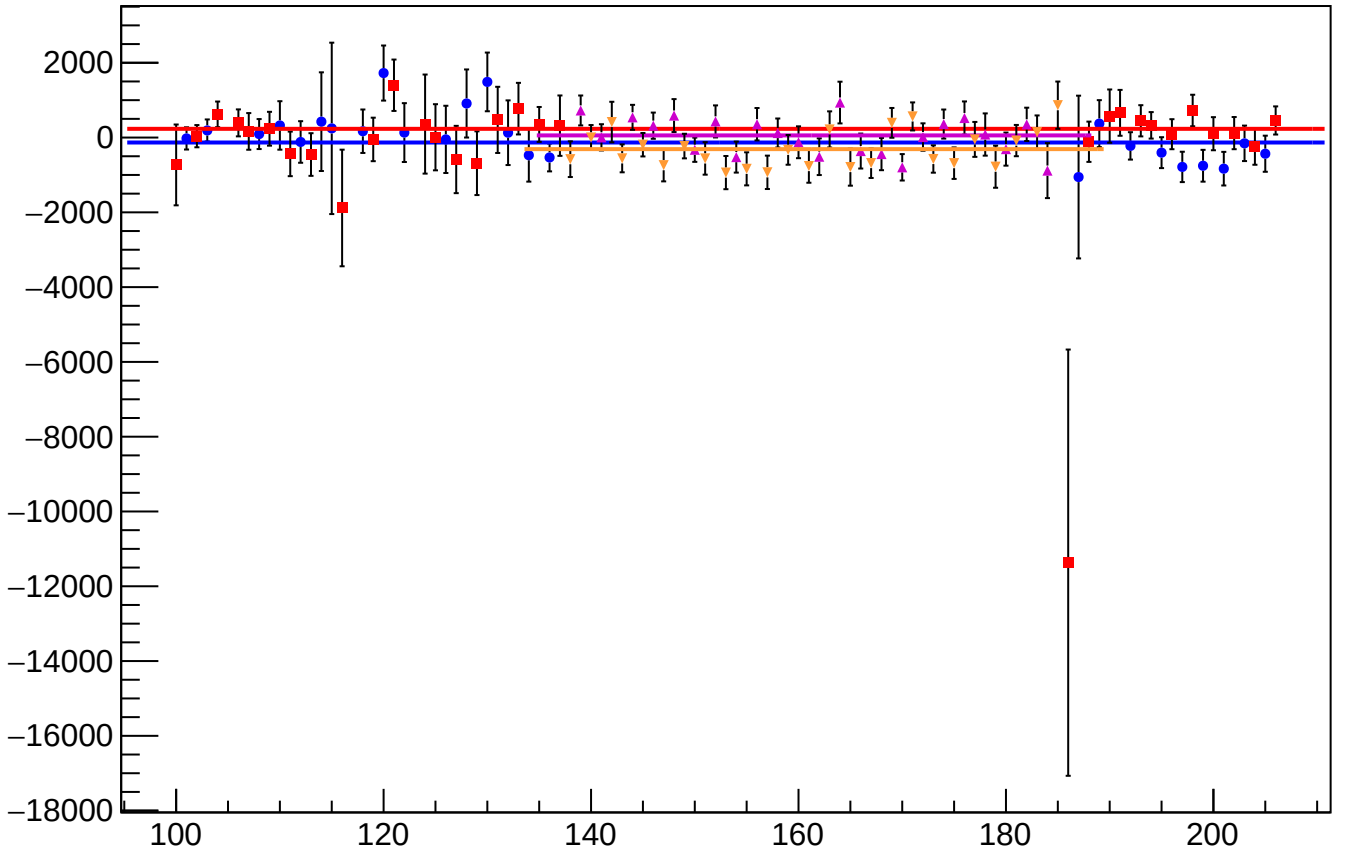
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 361.932+/-0.049 χ^2/NDF: 5545147.4/55

In: 375.067+/-0.048 χ^2/NDF:2796442.4/47

Out: 367.341+/-0.045 χ^2/NDF:3961503.6/55

All: 370.956+/-0.033 χ^2/NDF: 6771858.1/103



Right In: -132.405+/-101.099 χ^2/NDF: 25.0/24

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 233.357+/-91.984 χ^2/NDF: 21.8/30

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

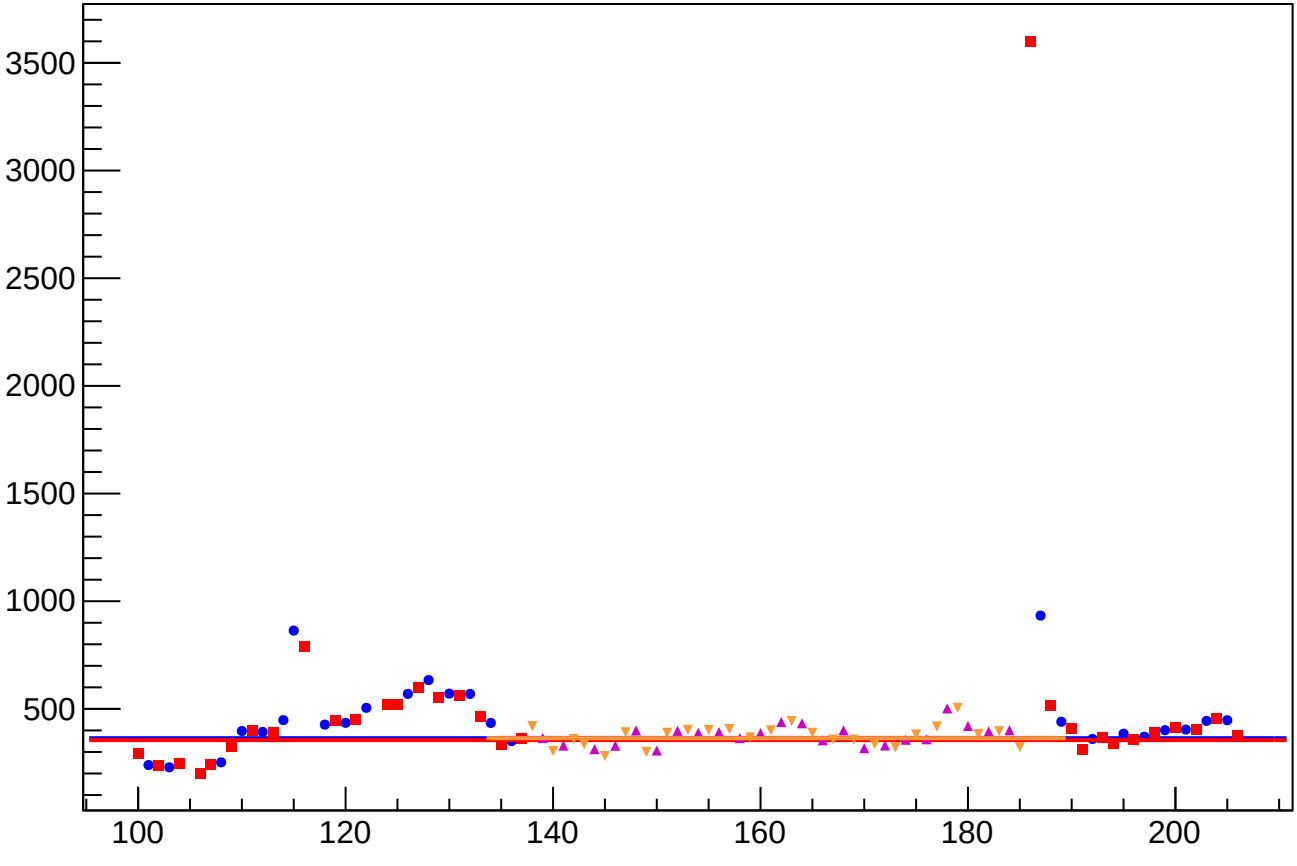
Right: 67.705+/-68.037 χ^2/NDF: 53.9/55

In: -22.442+/-65.605 χ^2/NDF:55.0/47

Out: -63.501+/-61.909 χ^2/NDF:70.8/55

All: -44.161+/-45.026 χ^2/NDF: 126.0/103

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 363.922+/-0.071 χ^2/NDF: 2027327.5/24

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 355.059+/-0.065 χ^2/NDF: 2804121.5/30

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

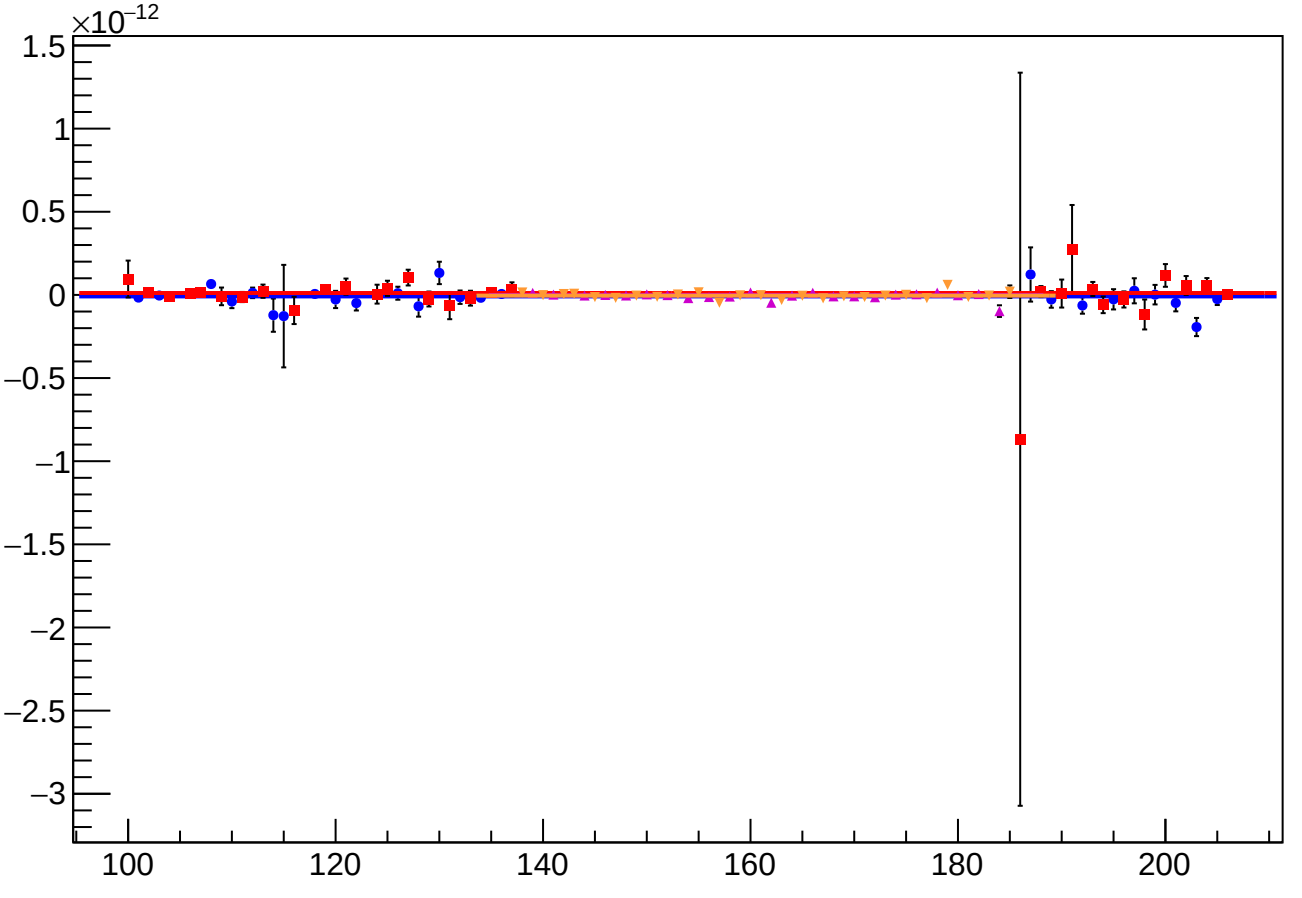
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 359.073+/-0.048 χ^2/NDF: 4839858.1/55

In: 364.734+/-0.046 χ^2/NDF:2537046.4/47

Out: 359.794+/-0.044 χ^2/NDF:3483051.1/55

All: 362.121+/-0.032 χ^2/NDF: 6026096.1/103



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/30

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

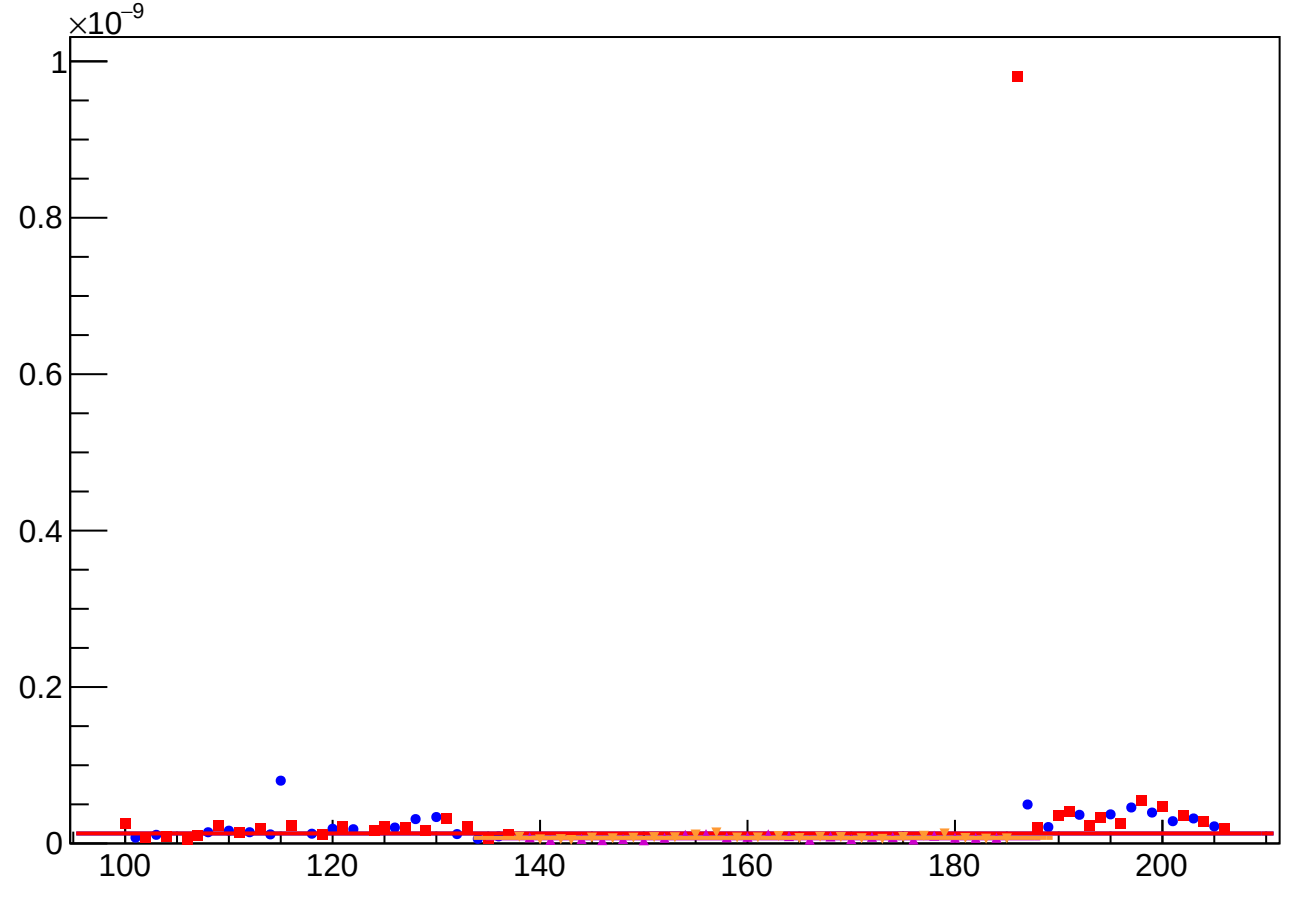
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.2/55

In: -0.000+/-0.000 χ^2/NDF:54.6/47

Out: -0.000+/-0.000 χ^2/NDF:50.6/55

All: -0.000+/-0.000 χ^2/NDF: 105.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 3753943.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4685988.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

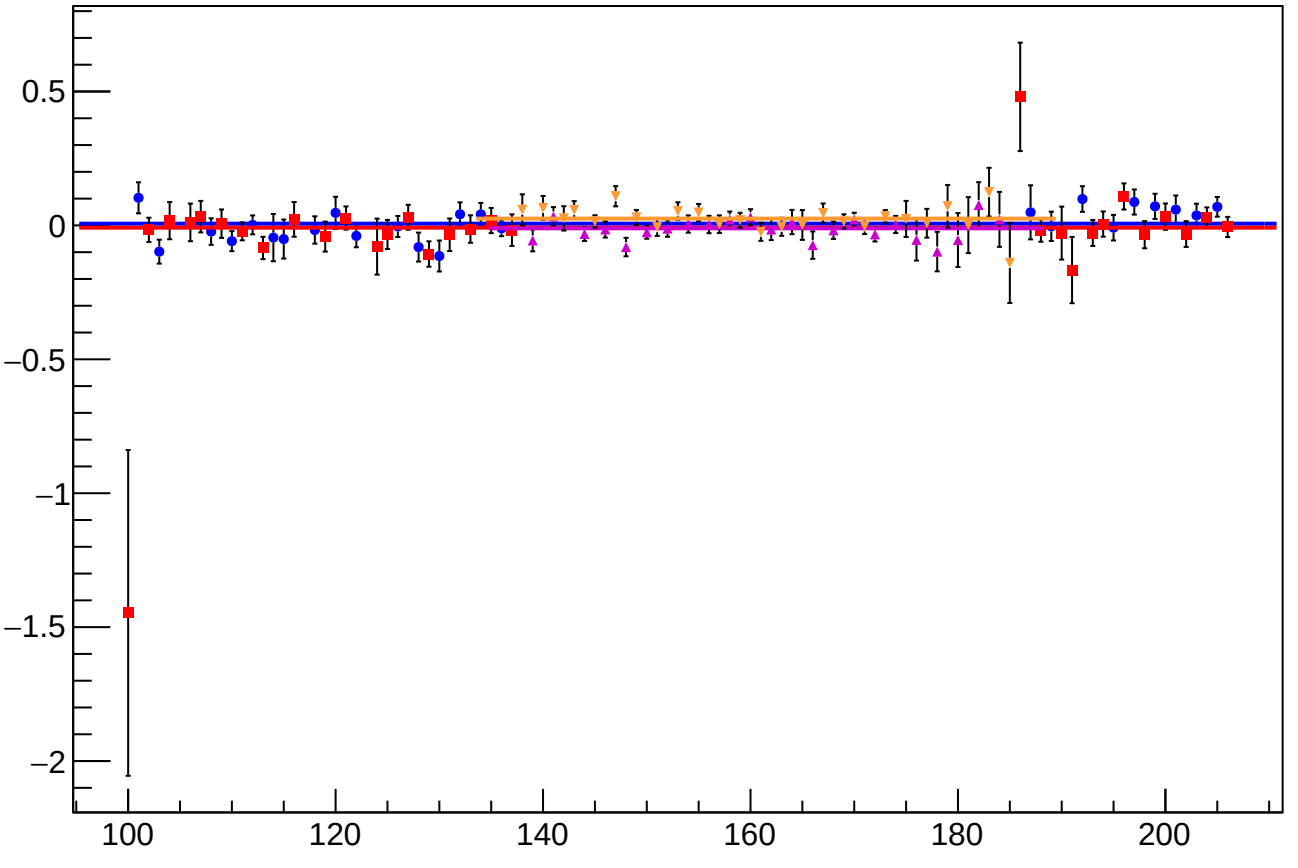
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8440129.2/55

In: 0.000+/-0.000 χ^2/NDF:6759169.2/47

Out: 0.000+/-0.000 χ^2/NDF:7121570.8/55

All: 0.000+/-0.000 χ^2/NDF: 13952837.8/103



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

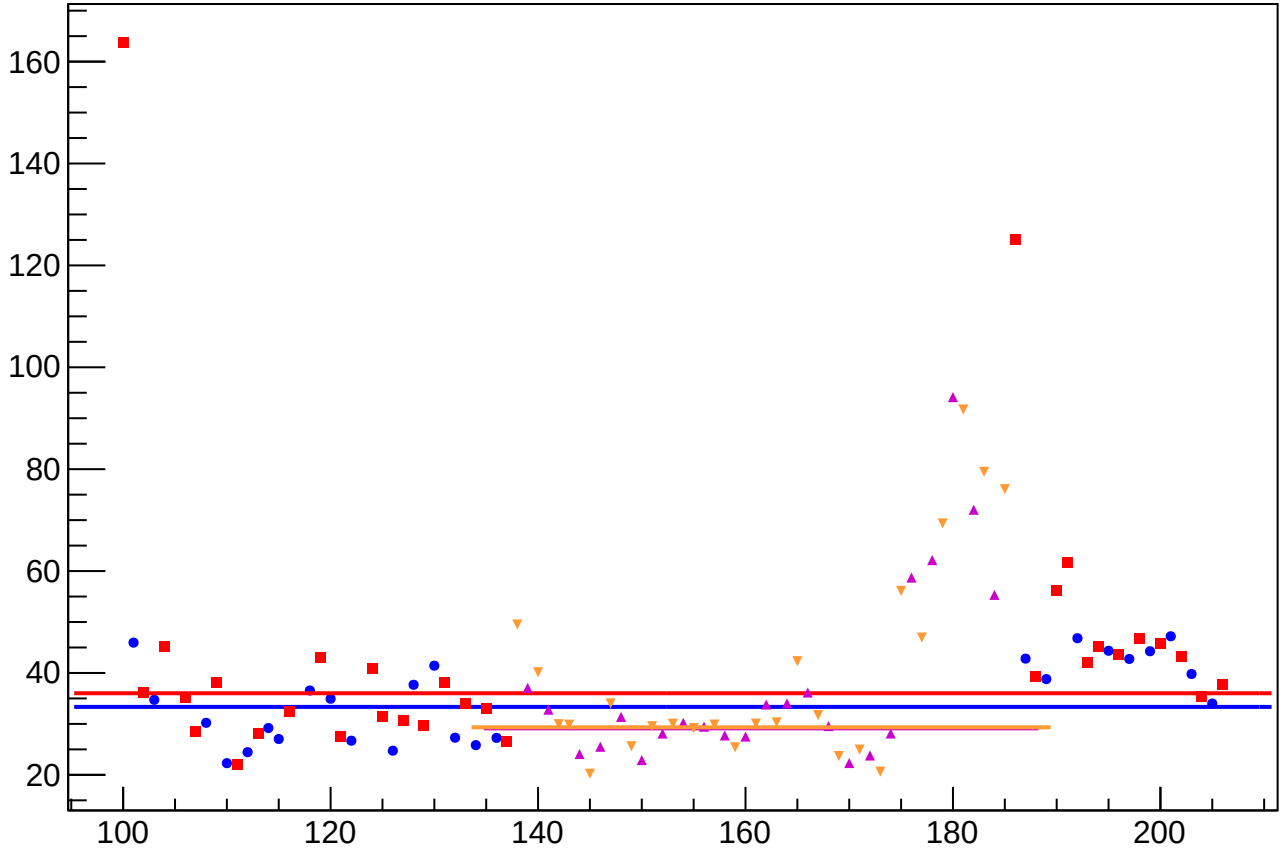
Right: -0.001+/-0.007 χ^2/NDF: 70.8/55

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.004+/-0.004 χ^2/NDF: 120.8/103

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

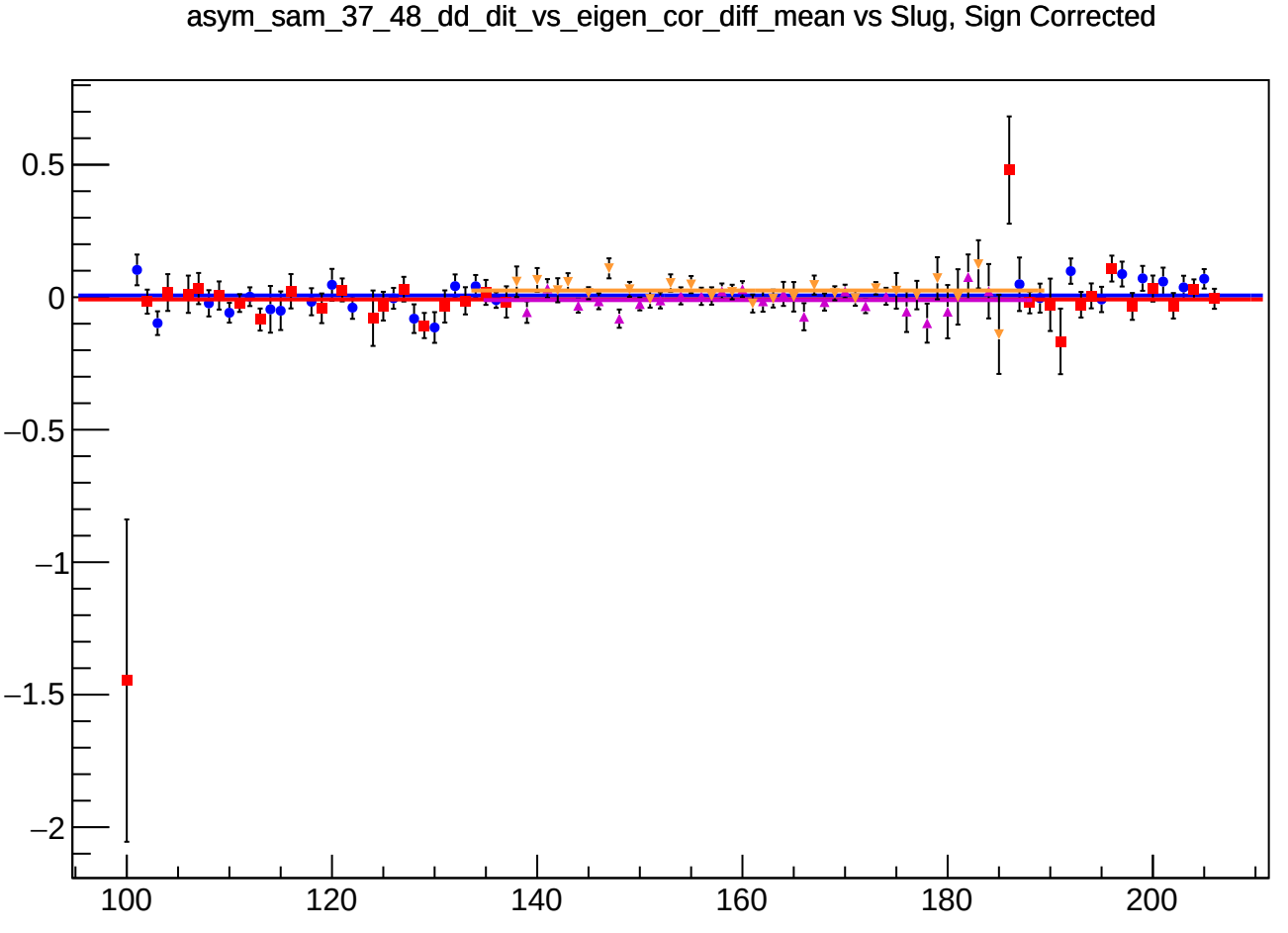
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.673+/-0.005 χ^2/NDF: 3355660.4/55

In: 30.734+/-0.004 χ^2/NDF:4584349.5/47

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.285+/-0.003 χ^2/NDF: 10924000.0/103



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

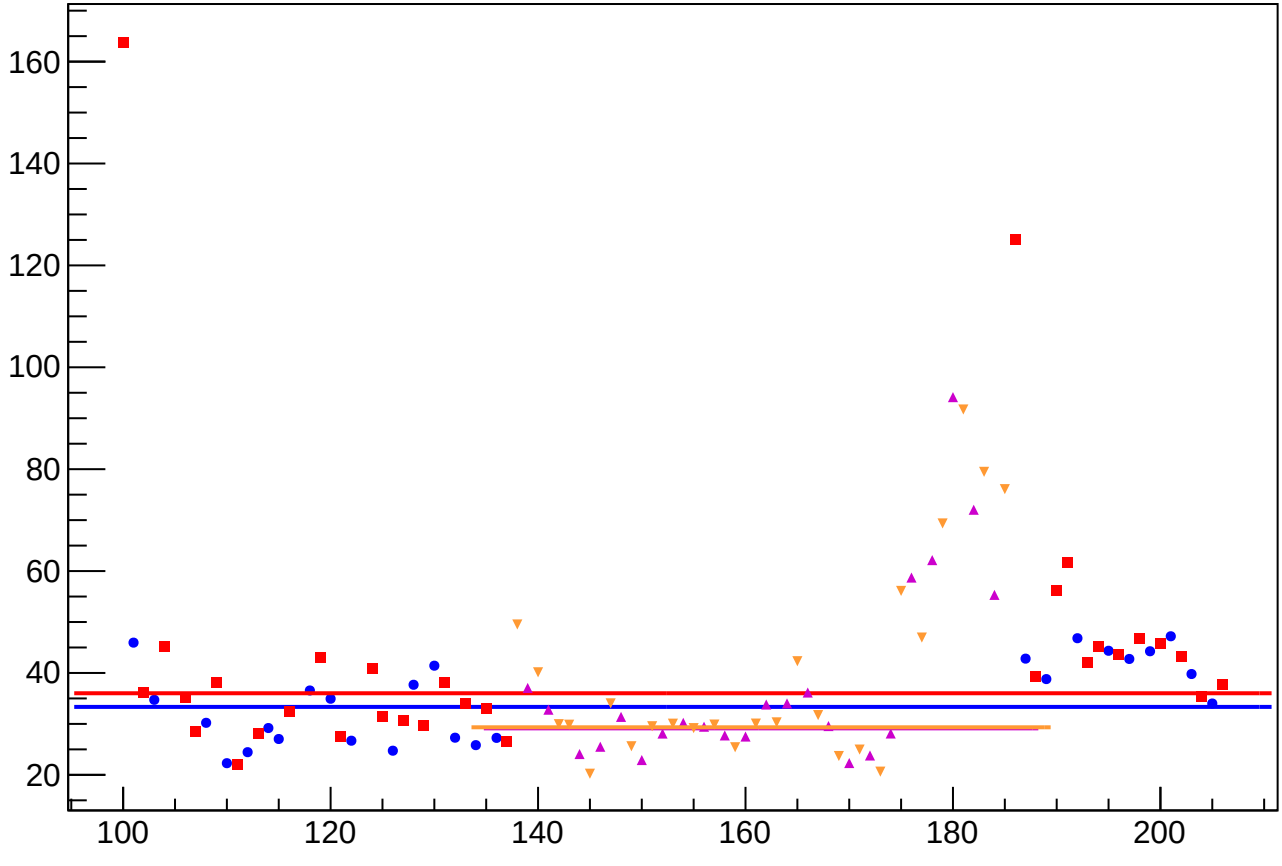
Right: -0.001+/-0.007 χ^2/NDF: 70.8/55

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.004+/-0.004 χ^2/NDF: 120.8/103

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

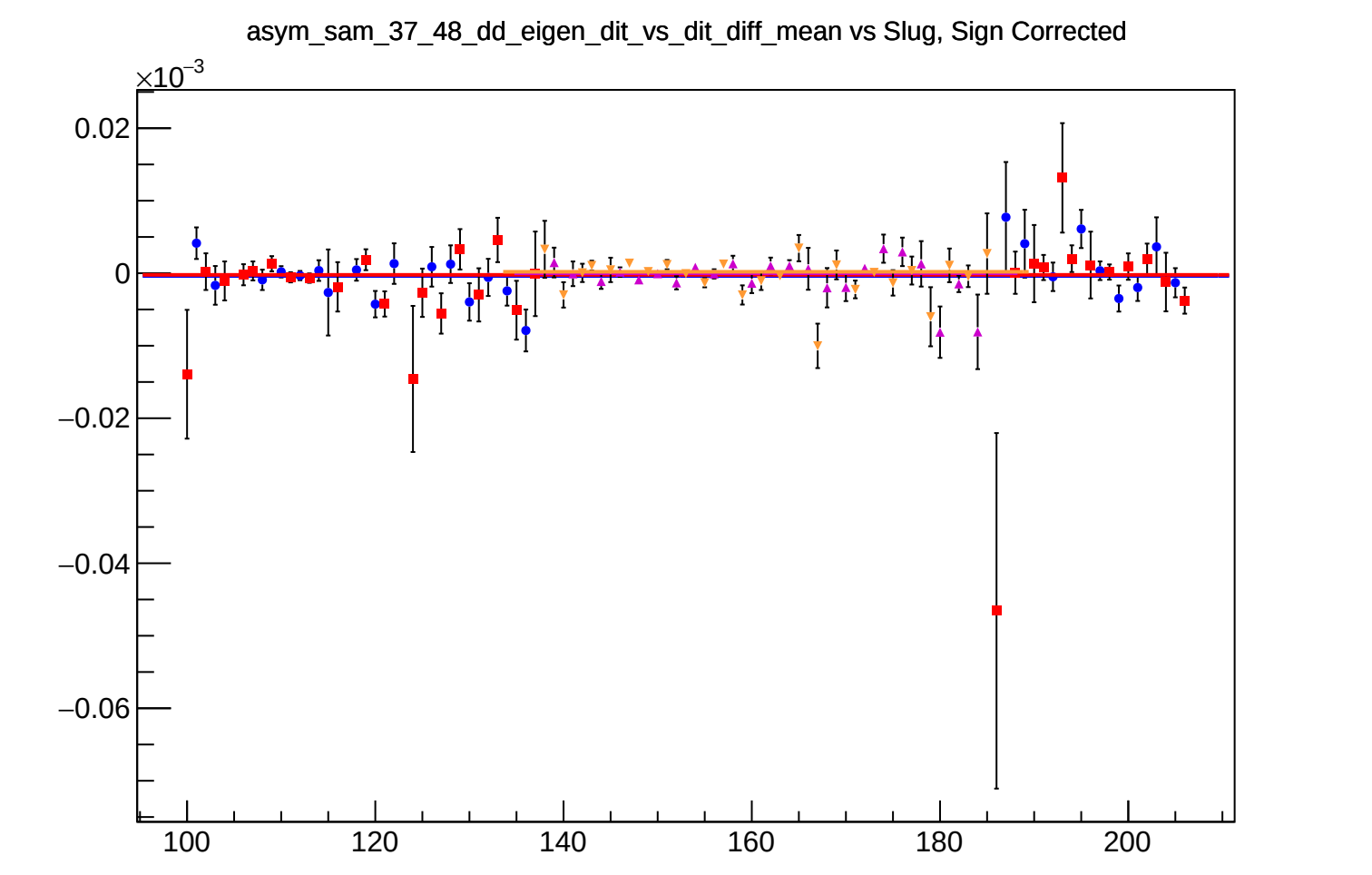
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.673+/-0.005 χ^2/NDF: 3355660.4/55

In: 30.734+/-0.004 χ^2/NDF:4584349.5/47

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.285+/-0.003 χ^2/NDF: 10924000.0/103



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/30

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

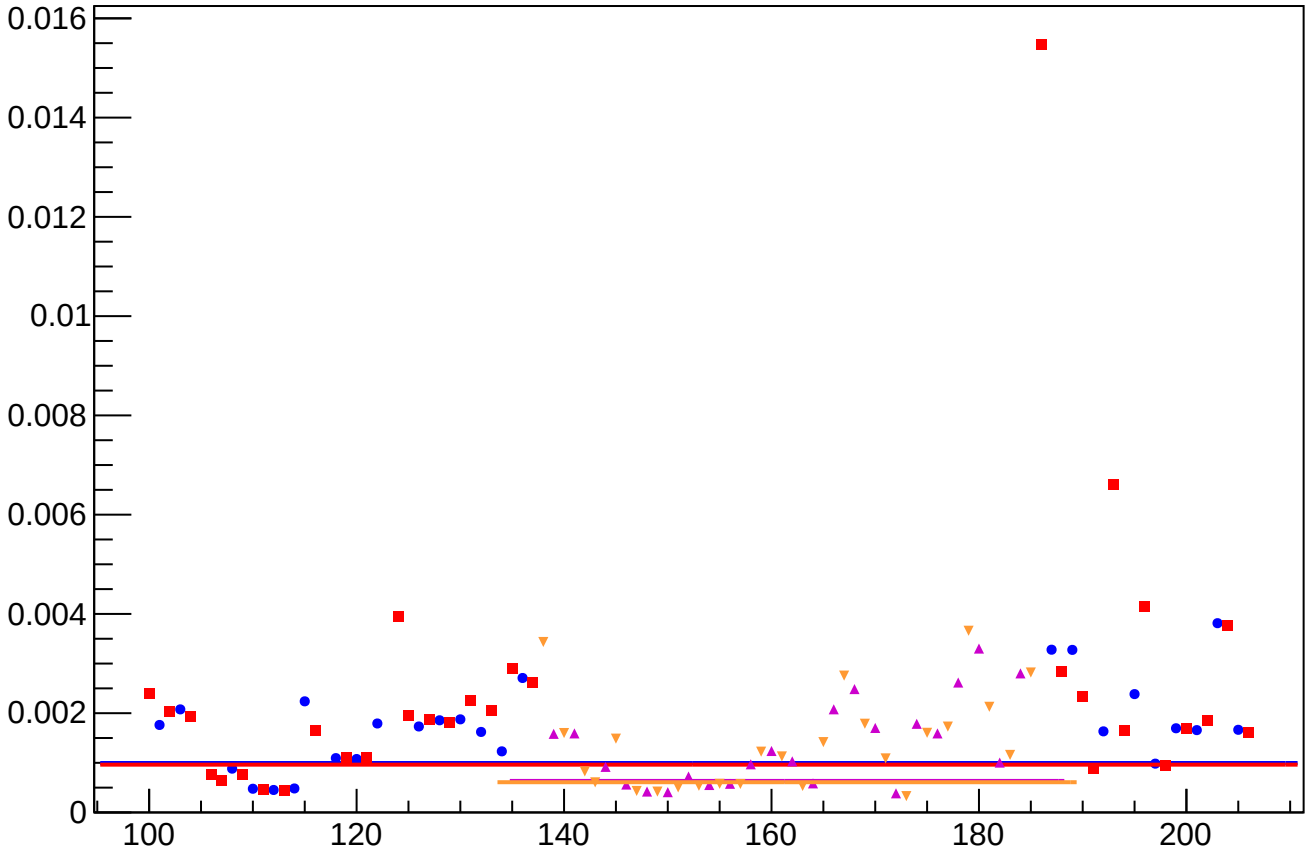
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 74.3/55

In: -0.000+/-0.000 χ^2/NDF:68.5/47

Out: 0.000+/-0.000 χ^2/NDF:93.7/55

All: 0.000+/-0.000 χ^2/NDF: 163.0/103



Right In: 0.001+/-0.000 χ^2/NDF: 8039507.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11083384.6/30

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

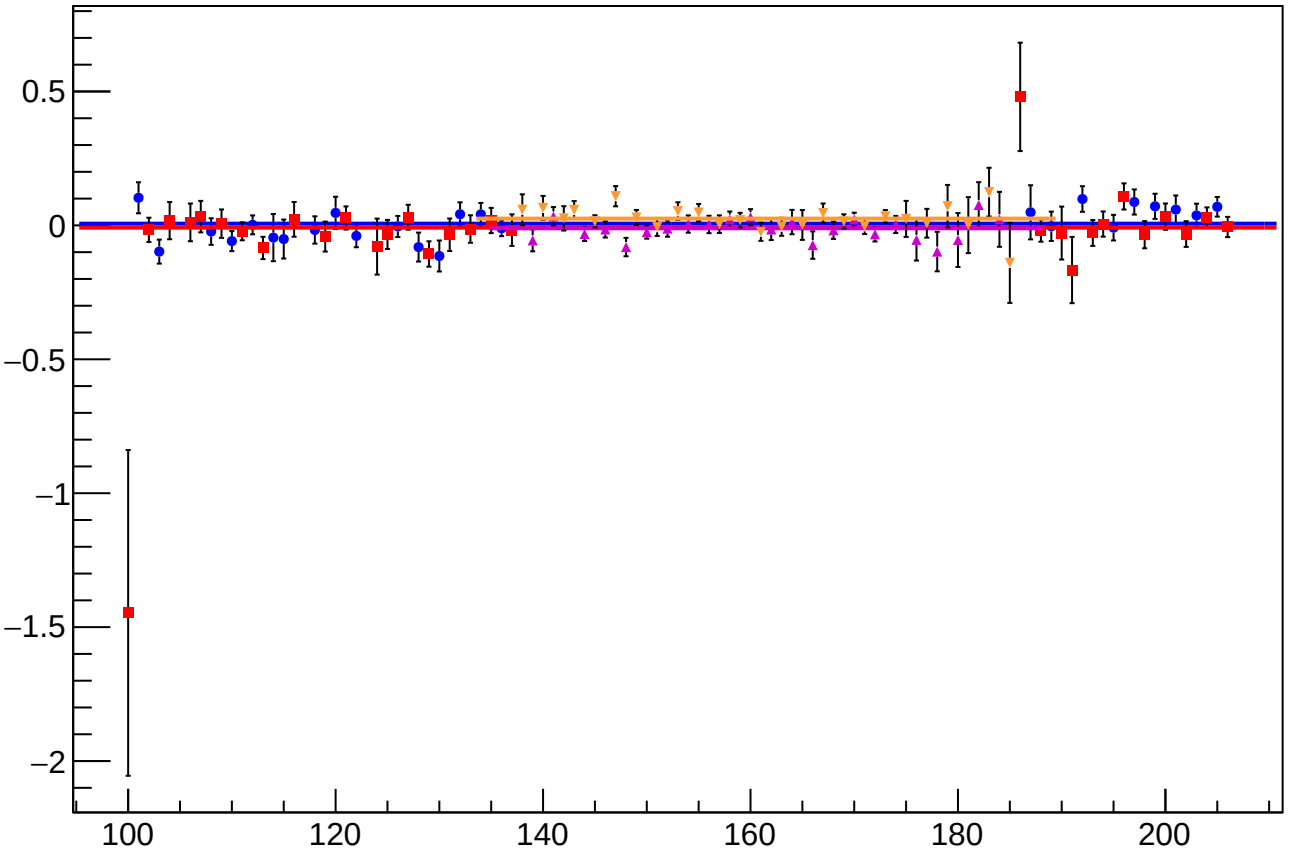
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 19133793.7/55

In: 0.001+/-0.000 χ^2/NDF:19266330.1/47

Out: 0.001+/-0.000 χ^2/NDF:24127073.4/55

All: 0.001+/-0.000 χ^2/NDF: 43424060.8/103



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

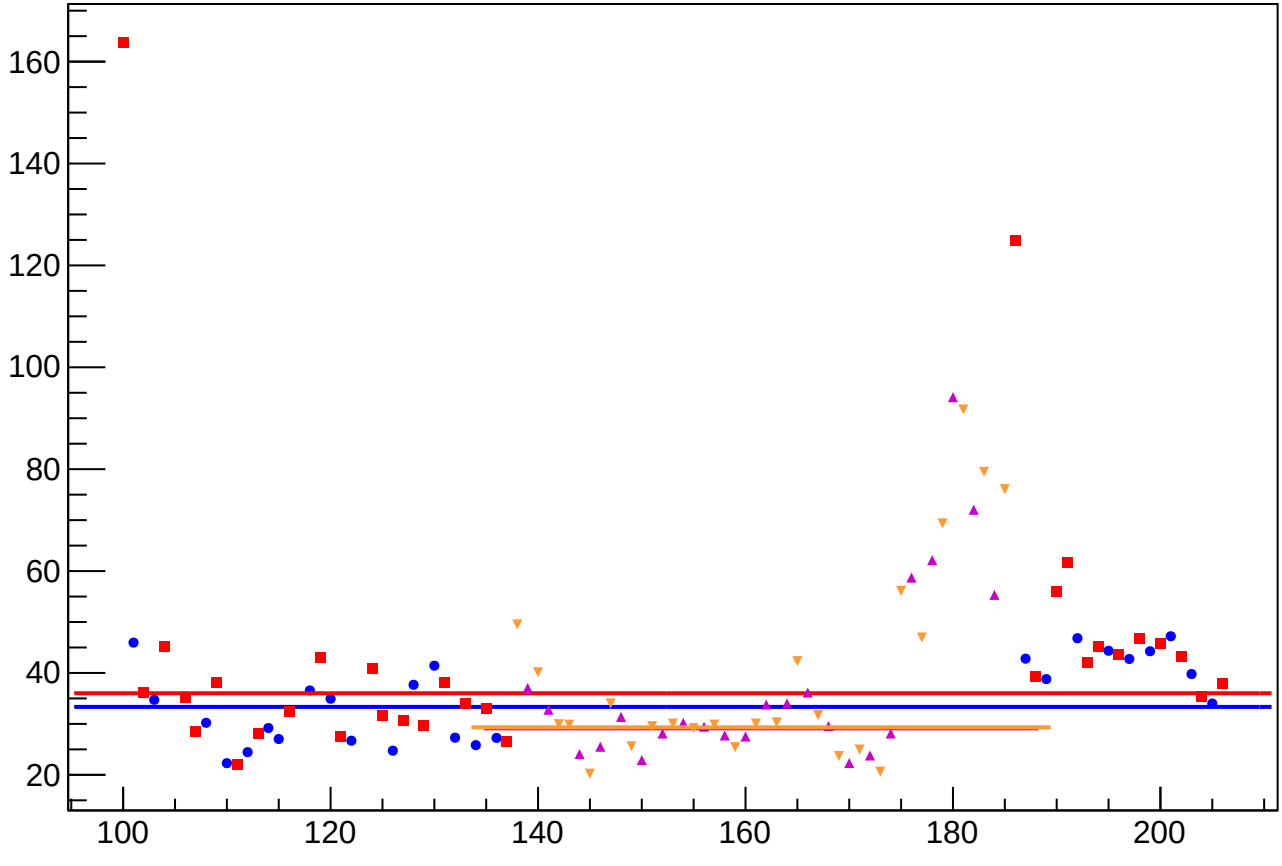
Right: -0.001+/-0.007 χ^2/NDF: 70.8/55

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.004+/-0.004 χ^2/NDF: 120.8/103

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

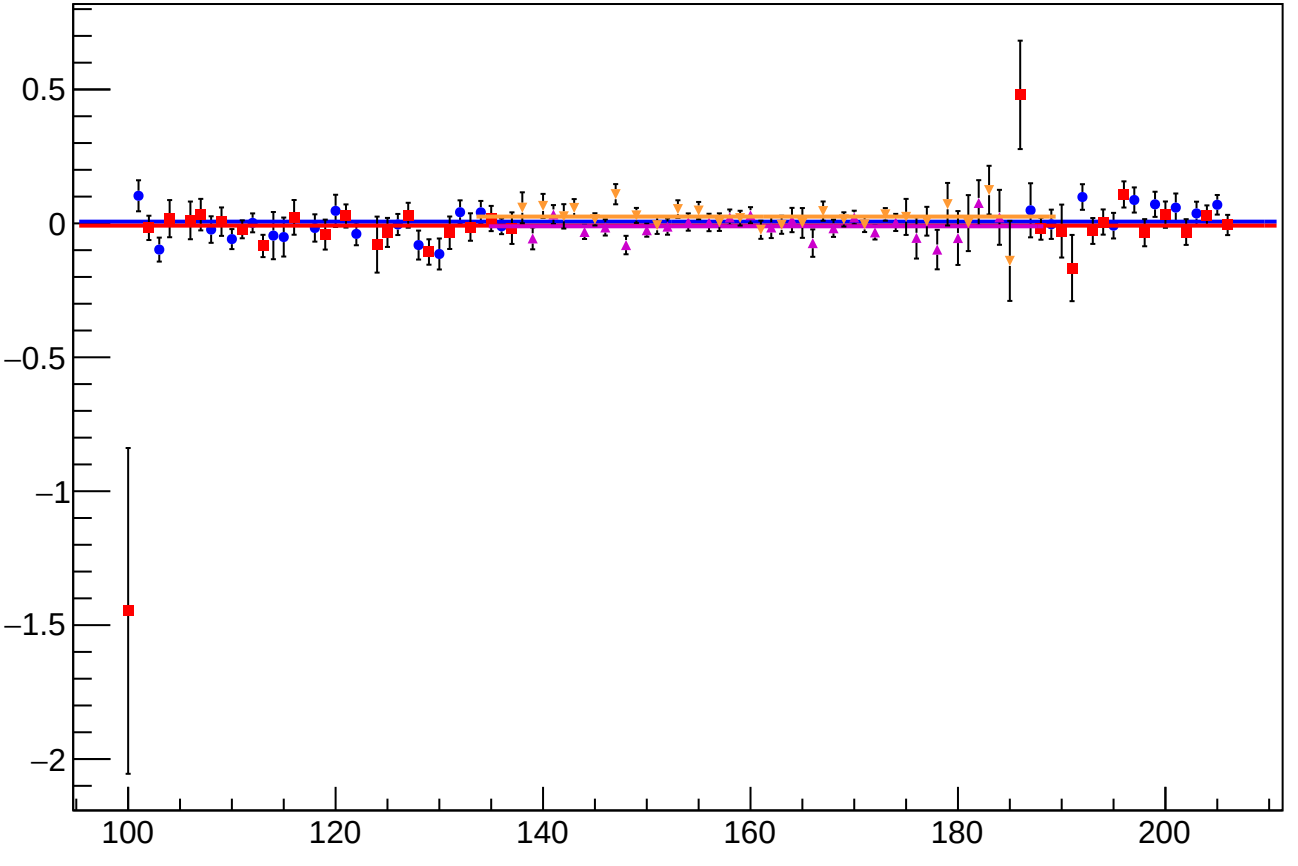
Right: 34.673+/-0.005 χ^2/NDF: 3355483.5/55

In: 30.734+/-0.004 χ^2/NDF:4584244.9/47

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.285+/-0.003 χ^2/NDF: 10923920.4/103

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

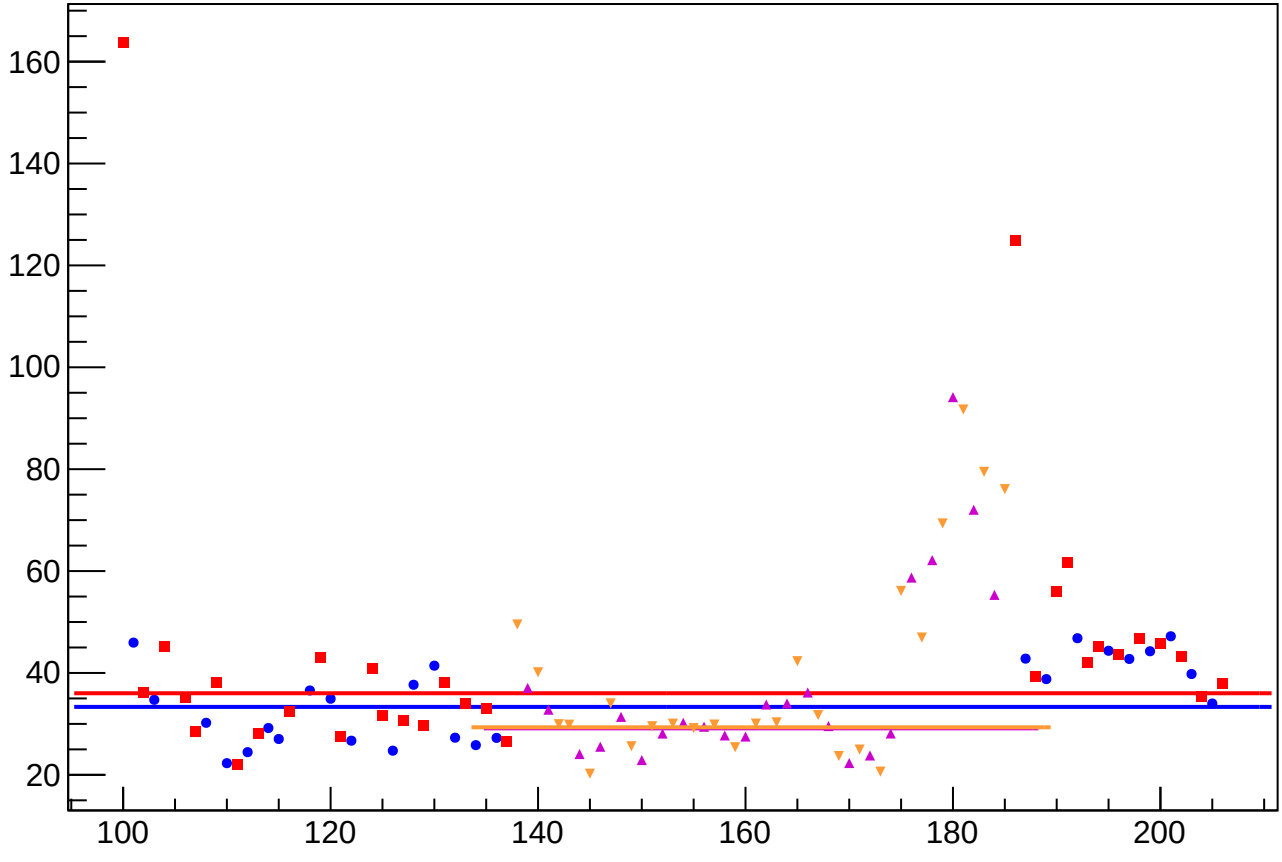
Right: -0.001+/-0.007 χ^2/NDF: 70.8/55

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.004+/-0.004 χ^2/NDF: 120.8/103

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

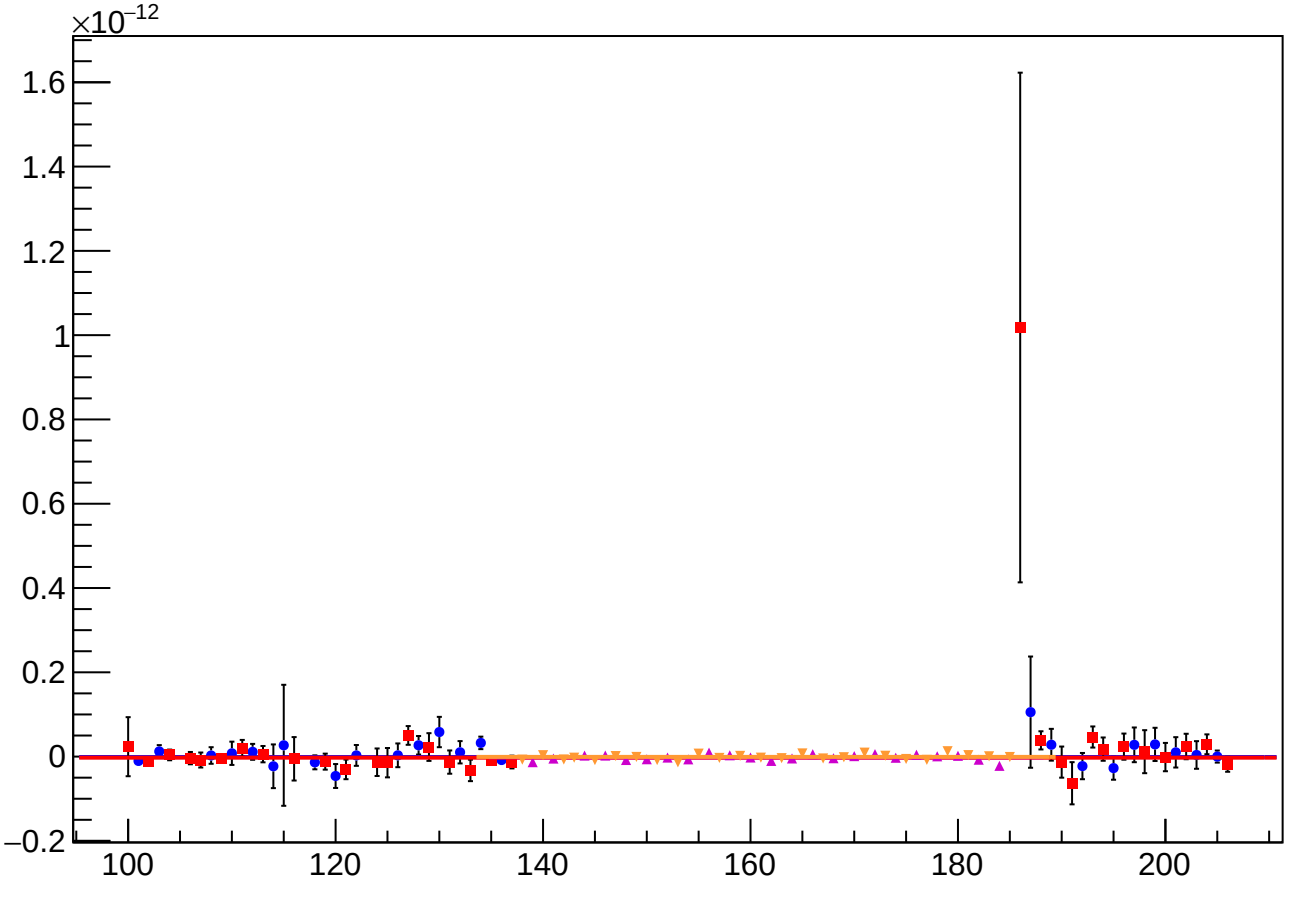
Right: 34.673+/-0.005 χ^2/NDF: 3355483.5/55

In: 30.734+/-0.004 χ^2/NDF:4584244.9/47

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.285+/-0.003 χ^2/NDF: 10923920.4/103

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

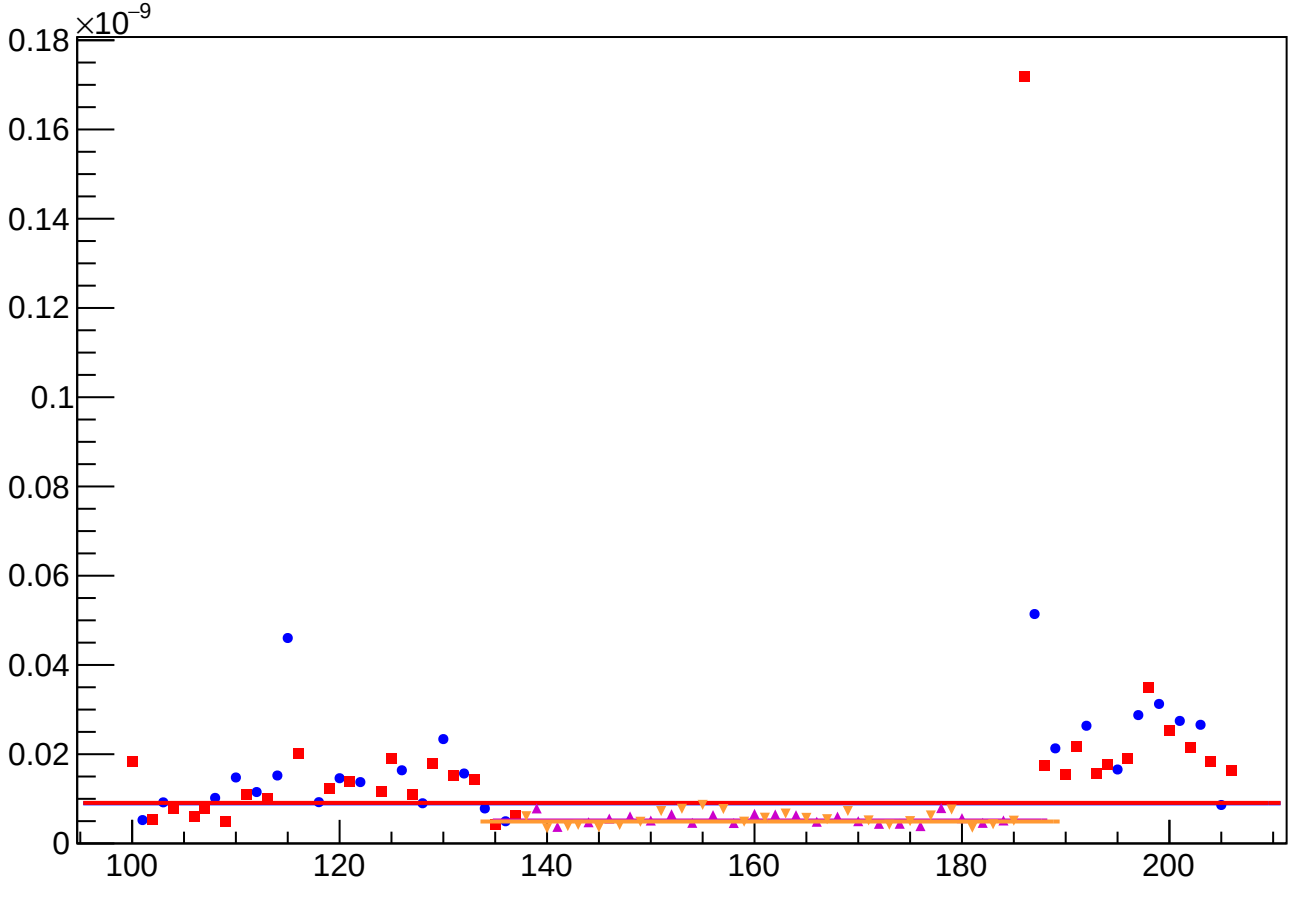
Right: -0.000+/-0.000 χ^2/NDF: 51.4/55

In: -0.000+/-0.000 χ^2/NDF:37.3/47

Out: -0.000+/-0.000 χ^2/NDF:45.9/55

All: -0.000+/-0.000 χ^2/NDF: 83.3/103

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5678206.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625516.9/30

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

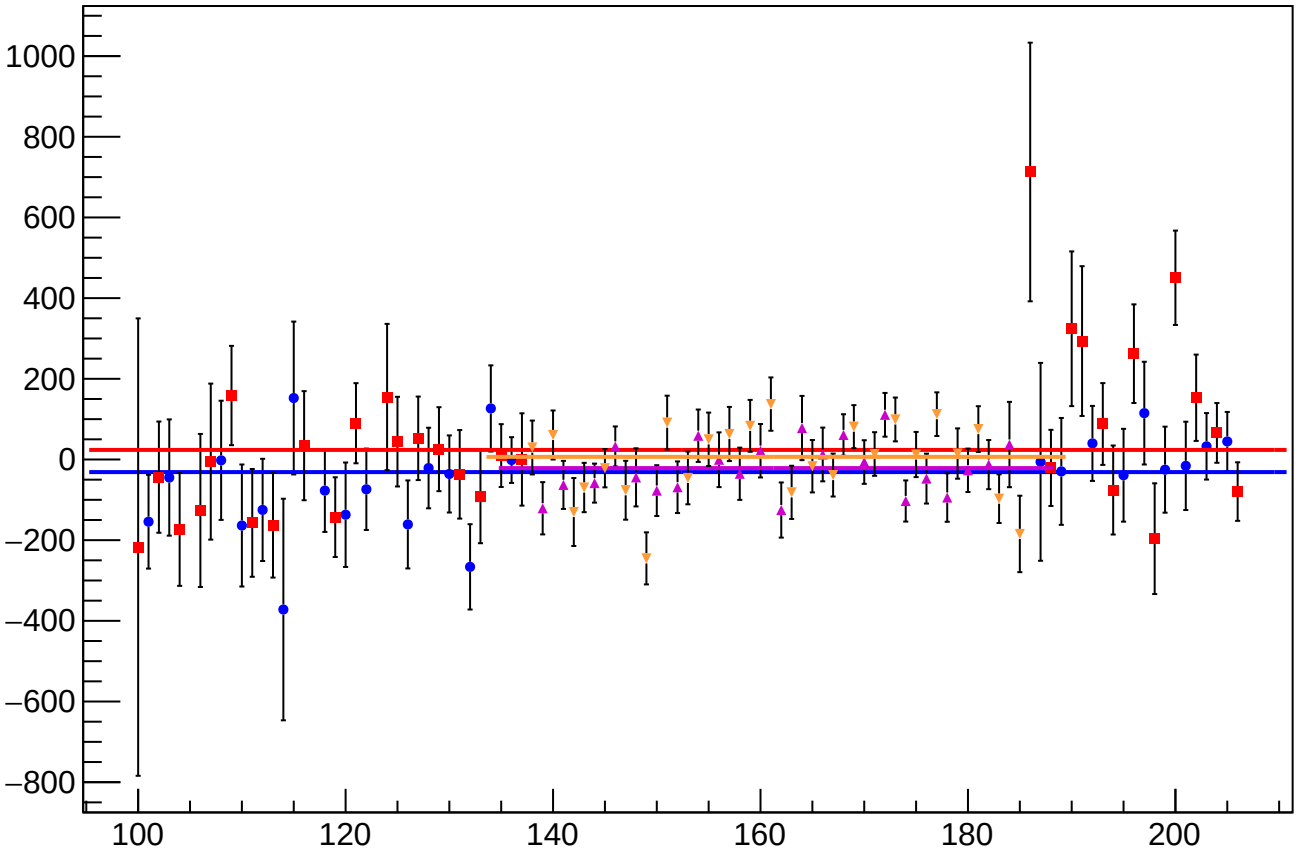
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11304679.5/55

In: 0.000+/-0.000 χ^2/NDF:8653004.8/47

Out: 0.000+/-0.000 χ^2/NDF:10156737.3/55

All: 0.000+/-0.000 χ^2/NDF: 18825719.2/103



Right In: -31.254+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 23.736+/-20.820 χ^2/NDF: 47.6/30

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

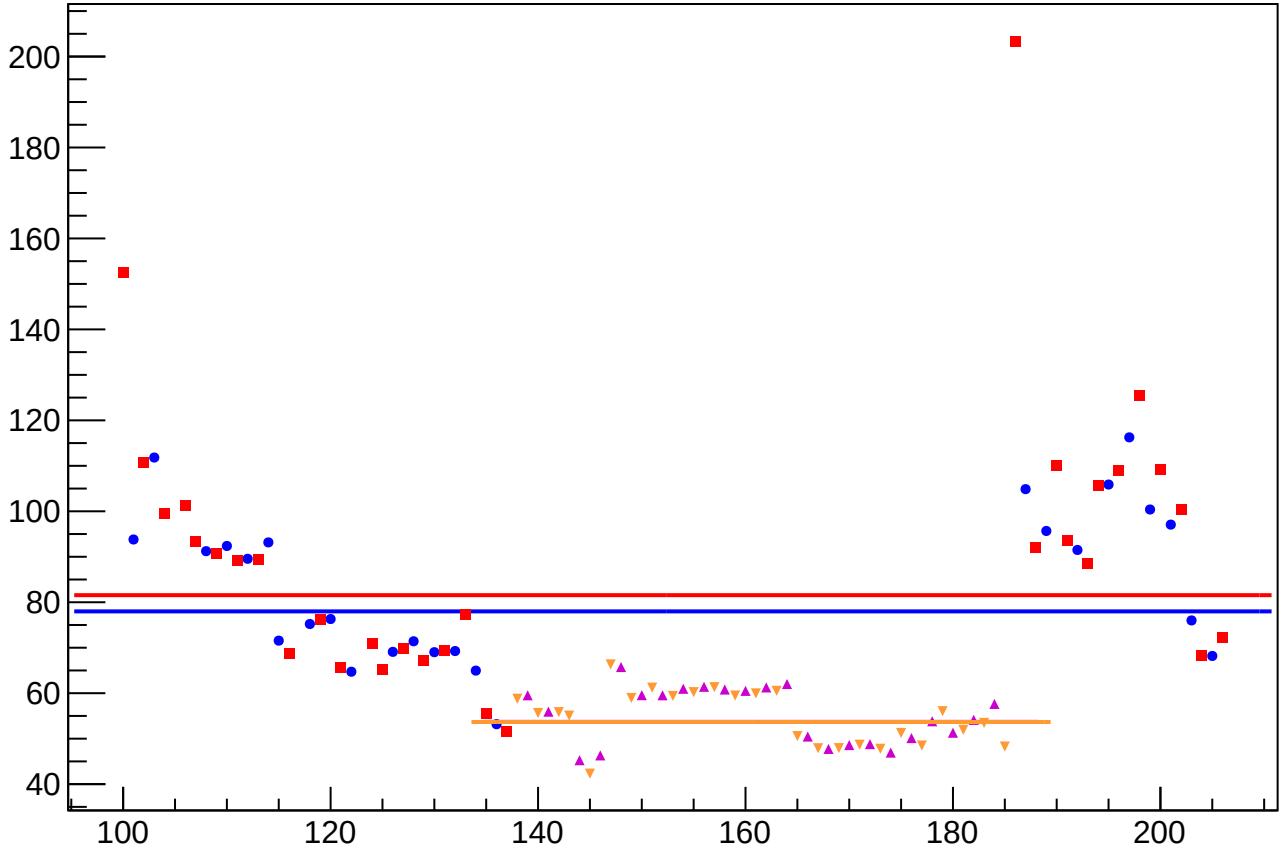
Right: -2.996+/-14.925 χ^2/NDF: 69.4/55

In: -23.903+/-10.890 χ^2/NDF:44.0/47

Out: 10.970+/-10.582 χ^2/NDF:98.7/55

All: -5.966+/-7.589 χ^2/NDF: 147.9/103

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 77.991+/-0.015 χ^2/NDF: 1295076.9/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.556+/-0.015 χ^2/NDF: 1834685.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

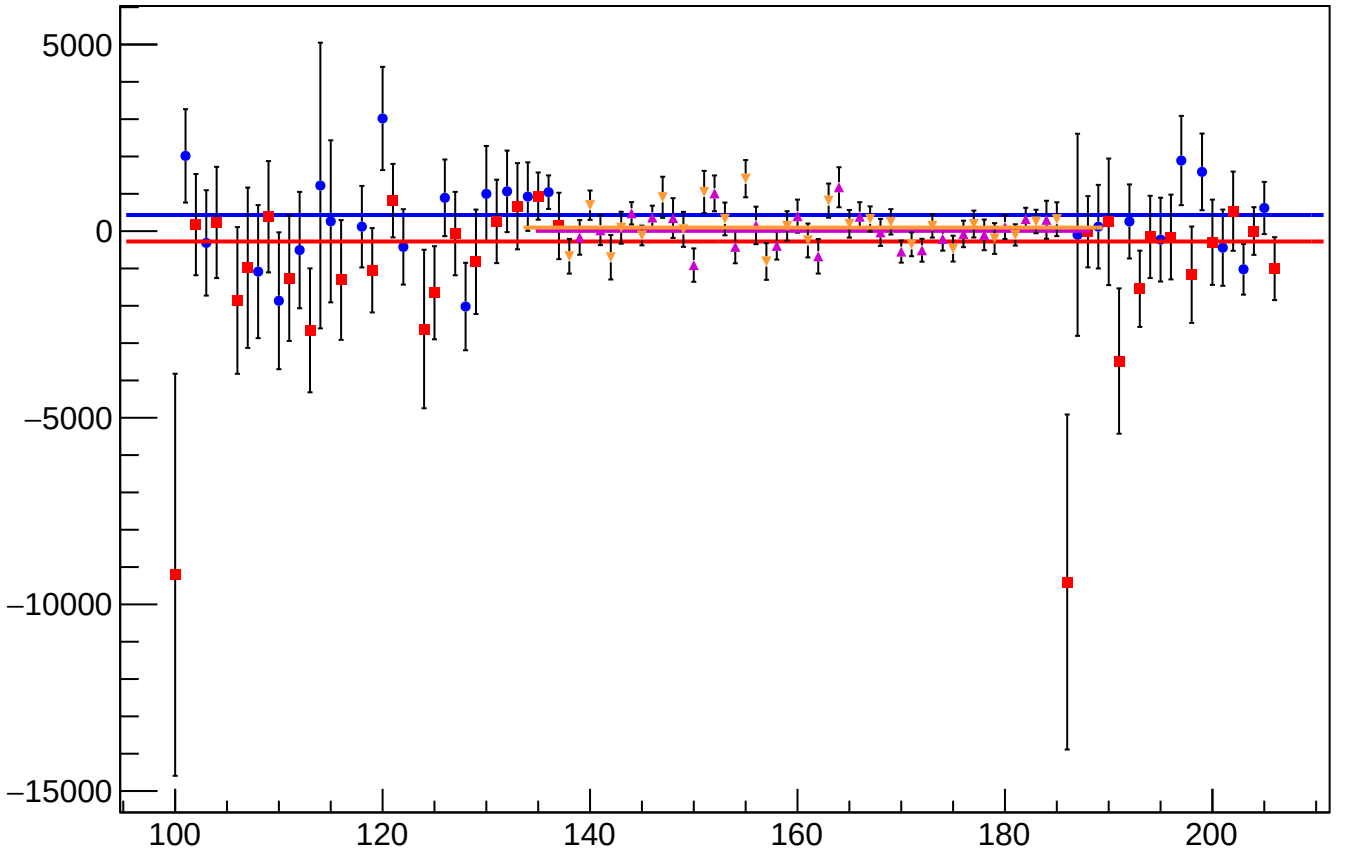
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.823+/-0.011 χ^2/NDF: 3158281.0/55

In: 59.983+/-0.008 χ^2/NDF:3676185.5/47

Out: 60.871+/-0.007 χ^2/NDF:4968952.5/55

All: 60.440+/-0.005 χ^2/NDF: 8651969.6/103



Right In: 432.318+/-205.814 χ^2/NDF: 24.8/24

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -277.268+/-209.421 χ^2/NDF: 26.5/30

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

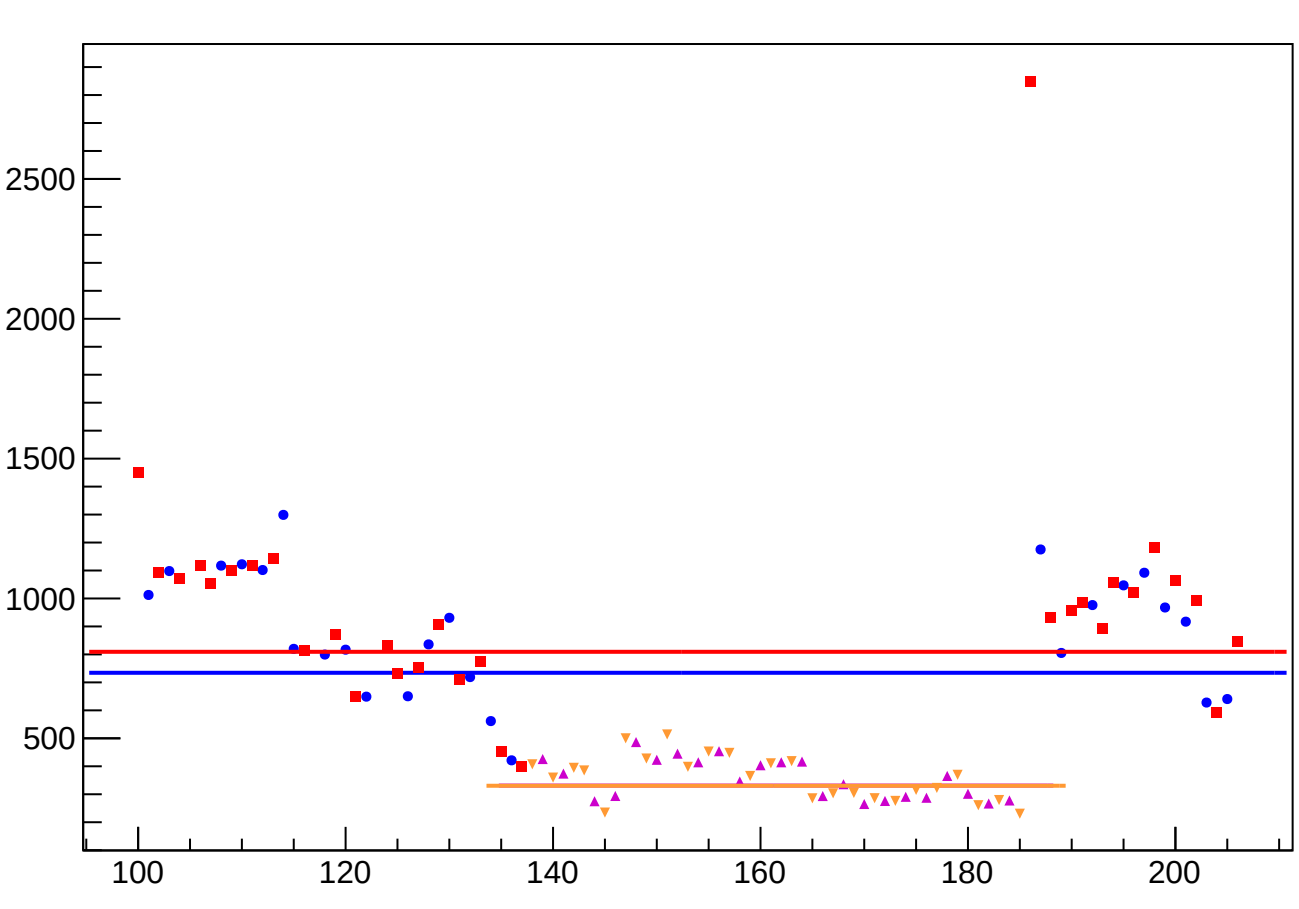
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 83.688+/-146.791 χ^2/NDF: 57.1/55

In: 62.534+/-73.855 χ^2/NDF:60.8/47

Out: 50.932+/-72.381 χ^2/NDF:62.4/55

All: 56.616+/-51.694 χ^2/NDF: 123.2/103



Right In: 734.303+/-0.146 χ^2/NDF: 2483697.0/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 809.322+/-0.148 χ^2/NDF: 2867570.5/30

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

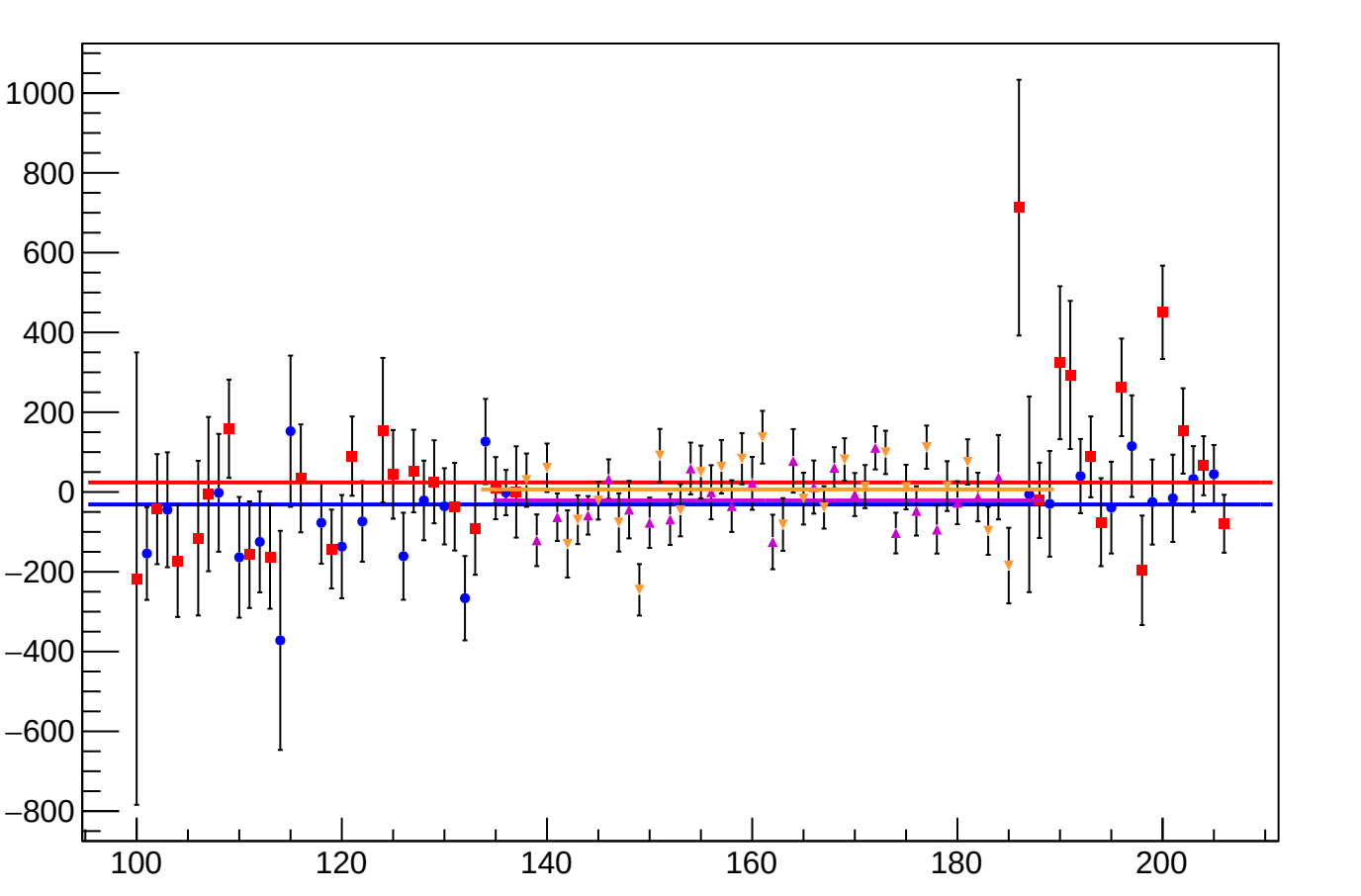
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 771.161+/-0.104 χ^2/NDF: 5481817.6/55

In: 382.984+/-0.052 χ^2/NDF:10498107.5/47

Out: 387.614+/-0.051 χ^2/NDF:13830055.1/55

All: 385.346+/-0.037 χ^2/NDF: 24332171.9/10



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 23.956+/-20.825 χ^2/NDF: 47.4/30

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

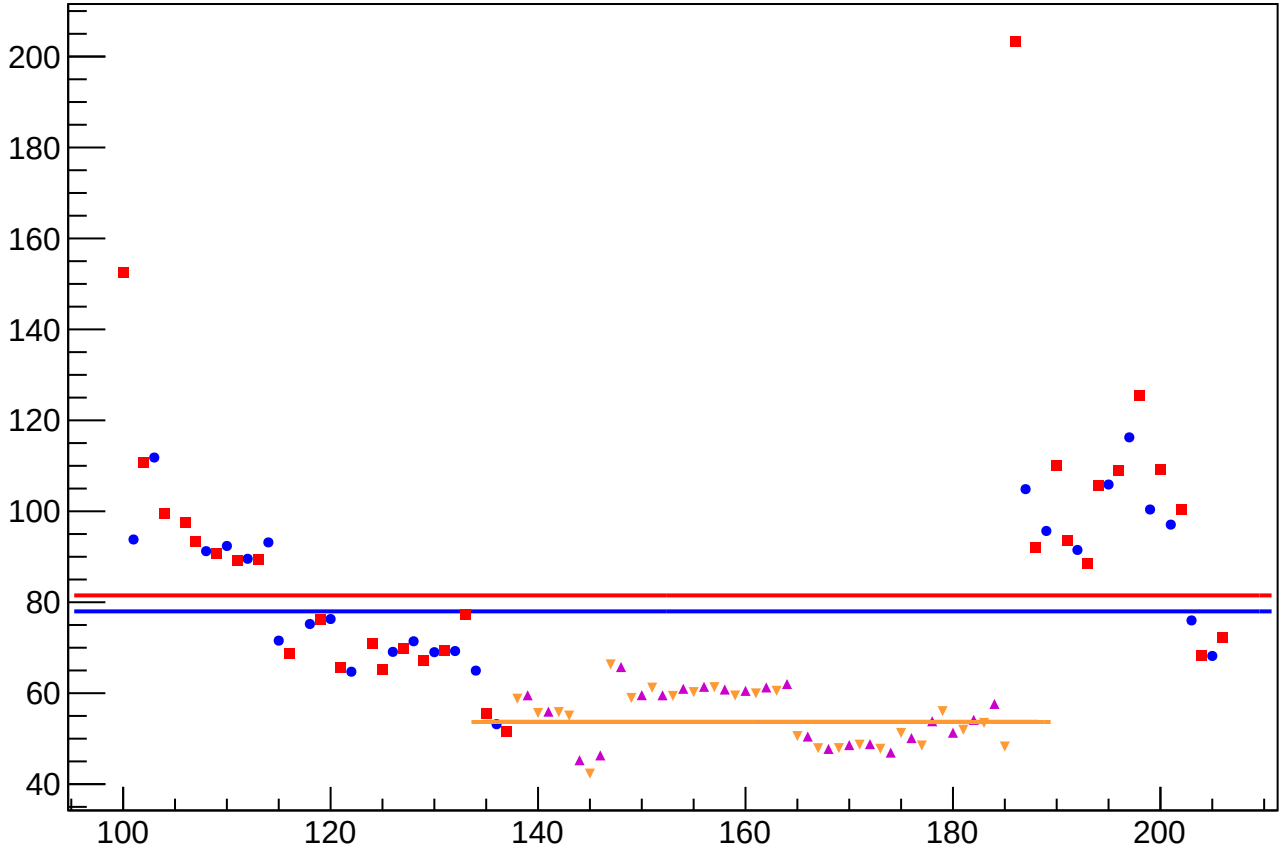
Right: -2.887+/-14.927 χ^2/NDF: 69.3/55

In: -23.900+/-10.890 χ^2/NDF:44.0/47

Out: 11.027+/-10.583 χ^2/NDF:98.5/55

All: -5.937+/-7.589 χ^2/NDF: 147.8/103

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

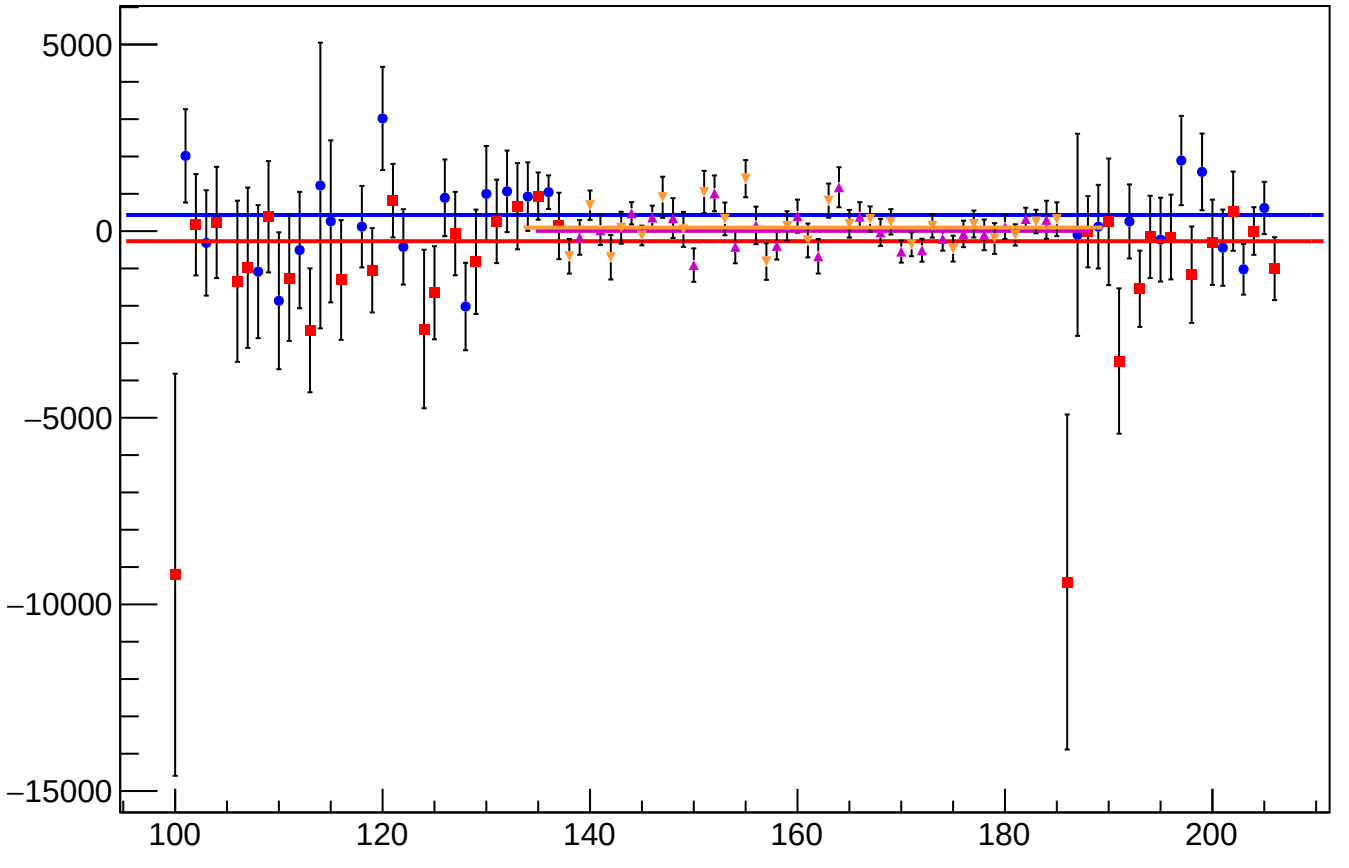
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.796+/-0.011 χ^2/NDF: 3149800.4/55

In: 59.983+/-0.008 χ^2/NDF:3676188.0/47

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.431+/-0.005 χ^2/NDF: 8633104.2/103



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

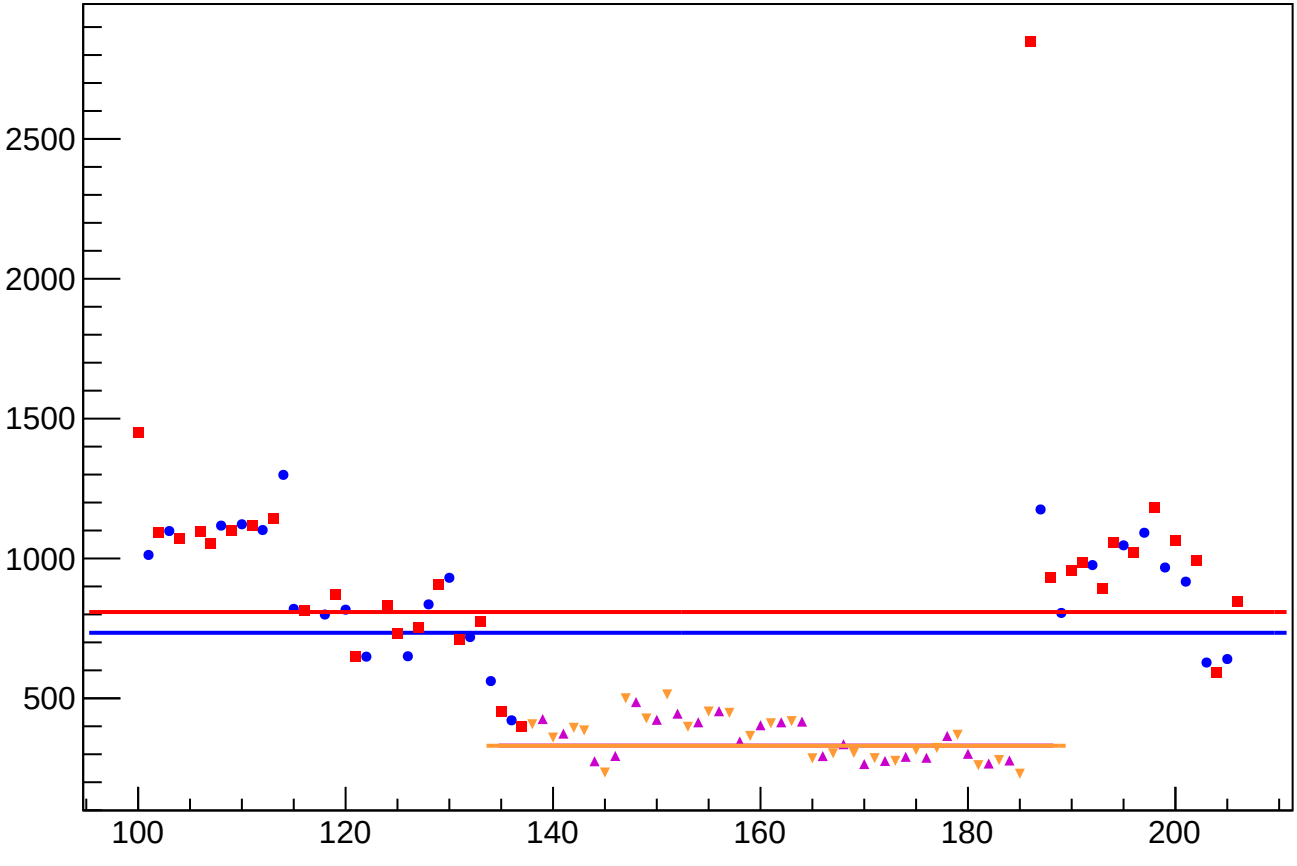
Right: 87.884+/-146.863 χ^2/NDF: 56.5/55

In: 62.530+/-73.855 χ^2/NDF:60.8/47

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 57.132+/-51.697 χ^2/NDF: 122.7/103

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

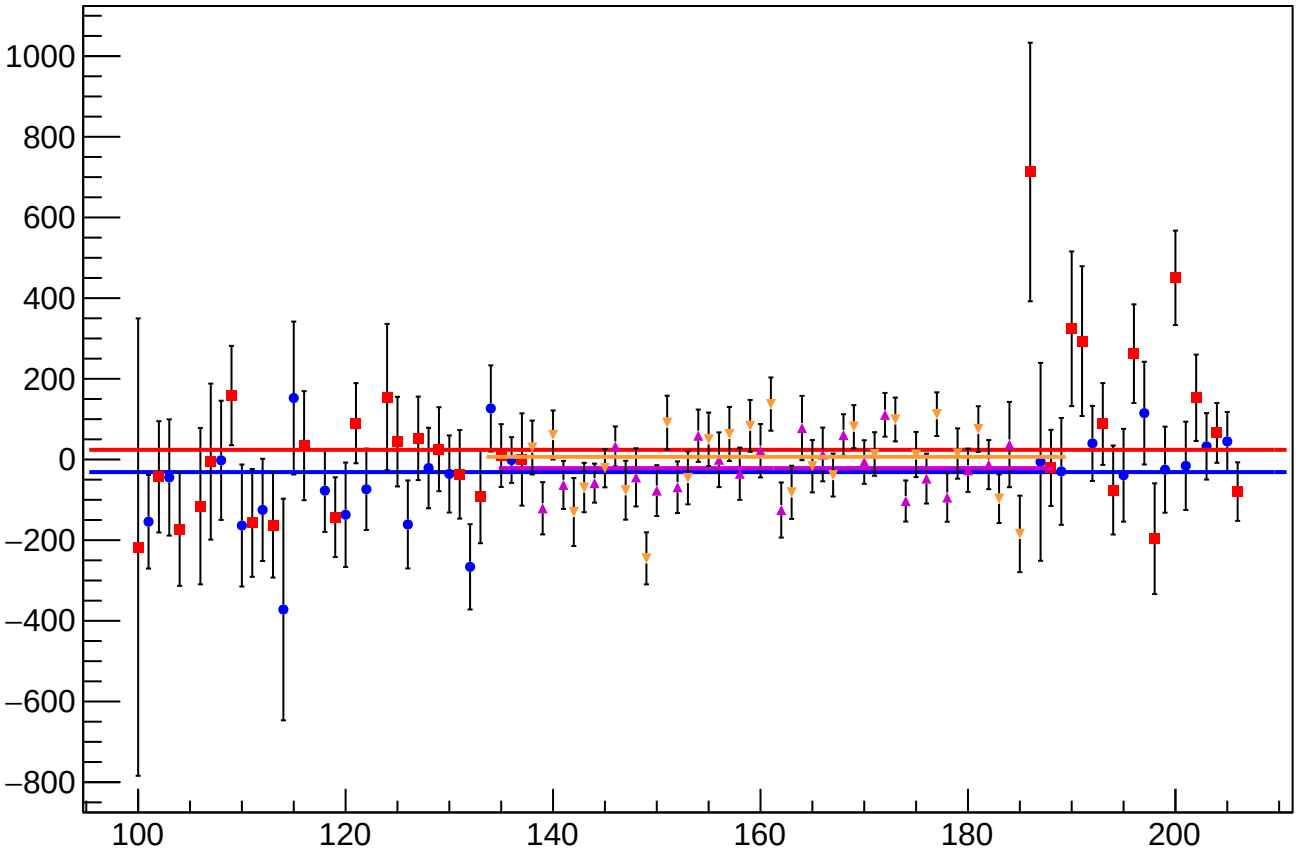
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 770.727+/-0.104 χ^2/NDF: 5464921.9/55

In: 382.984+/-0.052 χ^2/NDF:10498141.7/47

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 385.246+/-0.037 χ^2/NDF: 24270832.6/10



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 23.956+/-20.825 χ^2/NDF: 47.4/30

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

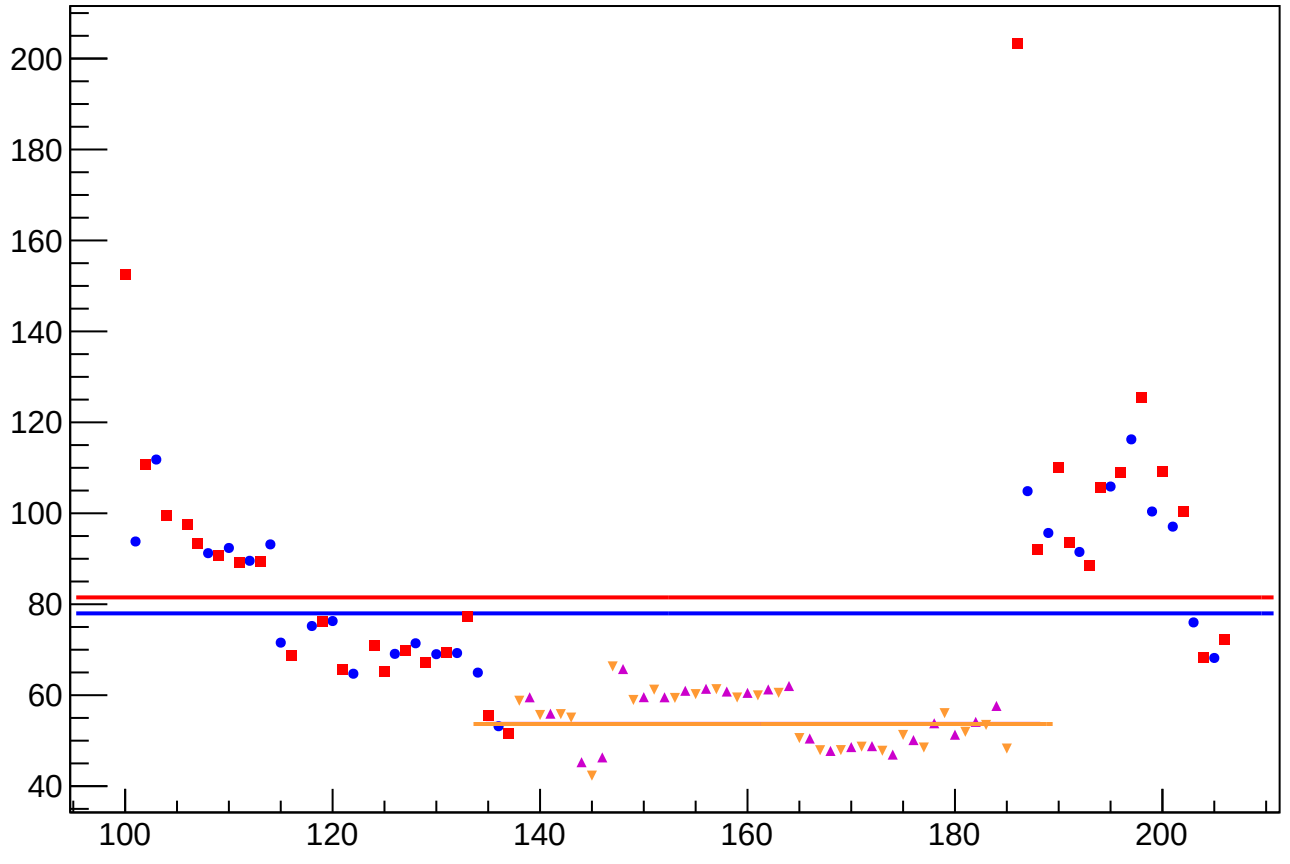
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -2.887+/-14.927 χ^2/NDF: 69.3/55

In: -23.900+/-10.890 χ^2/NDF:44.0/47

Out: 11.027+/-10.583 χ^2/NDF:98.5/55

All: -5.937+/-7.589 χ^2/NDF: 147.8/103



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

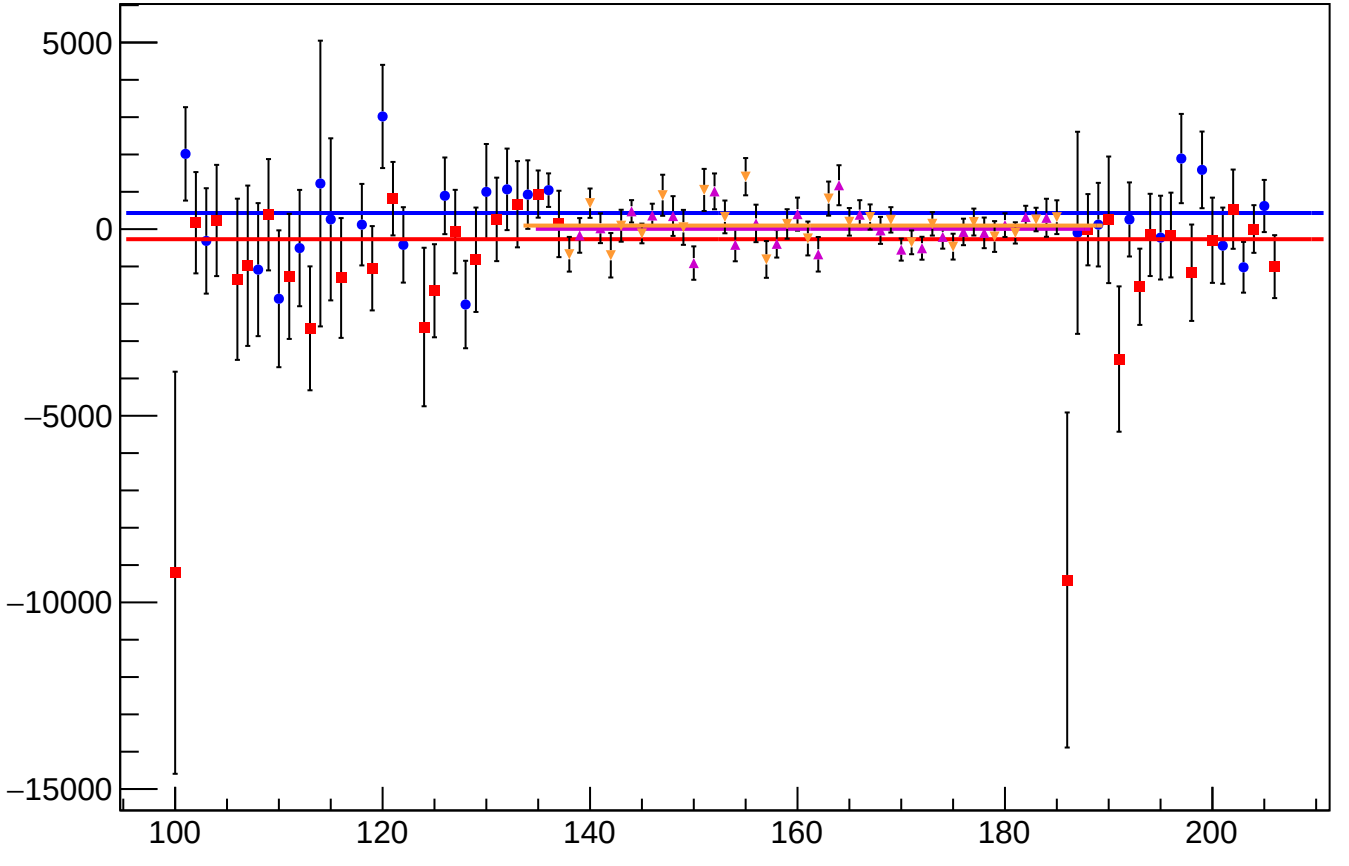
Right: 79.796+/-0.011 χ^2/NDF: 3149800.4/55

In: 59.983+/-0.008 χ^2/NDF:3676188.0/47

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.431+/-0.005 χ^2/NDF: 8633104.2/103

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

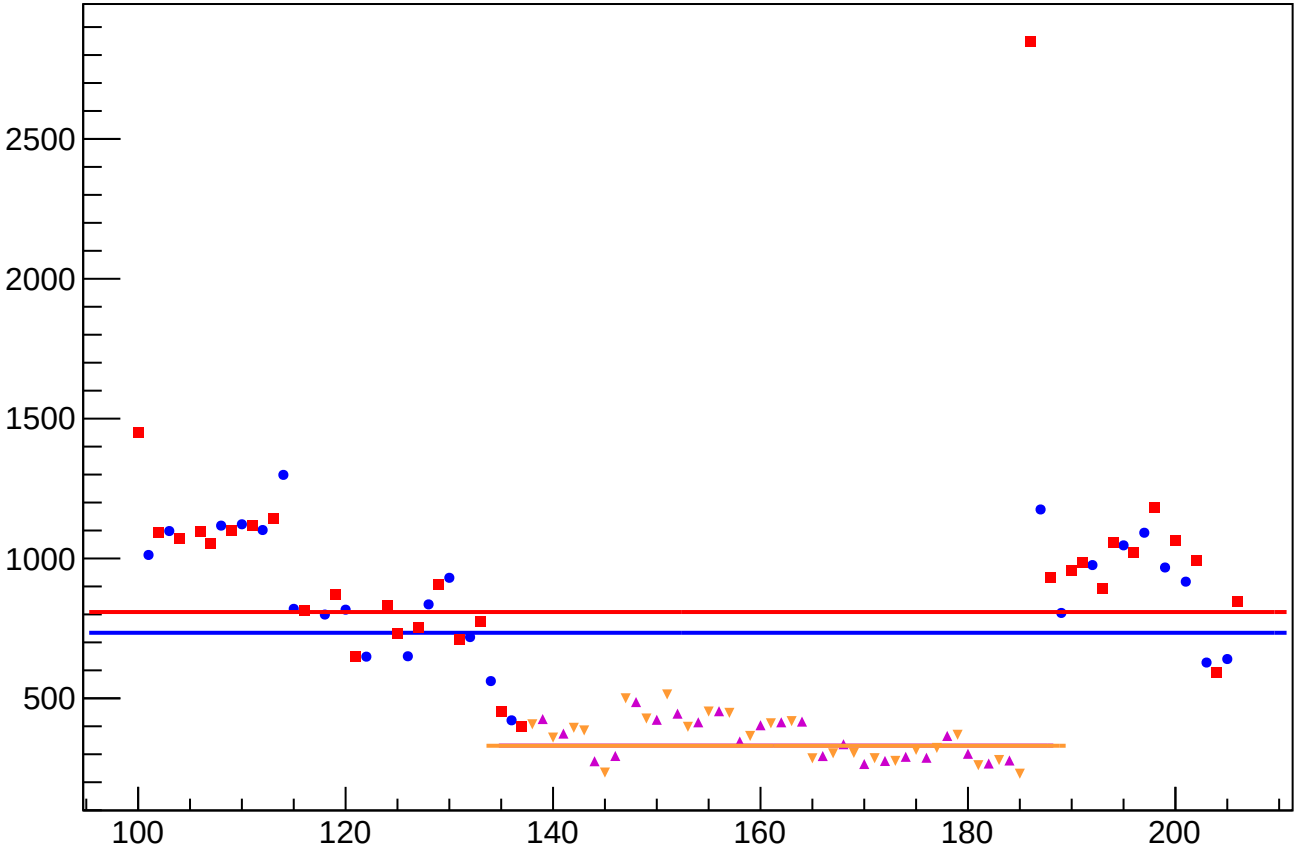
Right: 87.884+/-146.863 χ^2/NDF: 56.5/55

In: 62.530+/-73.855 χ^2/NDF:60.8/47

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 57.132+/-51.697 χ^2/NDF: 122.7/103

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

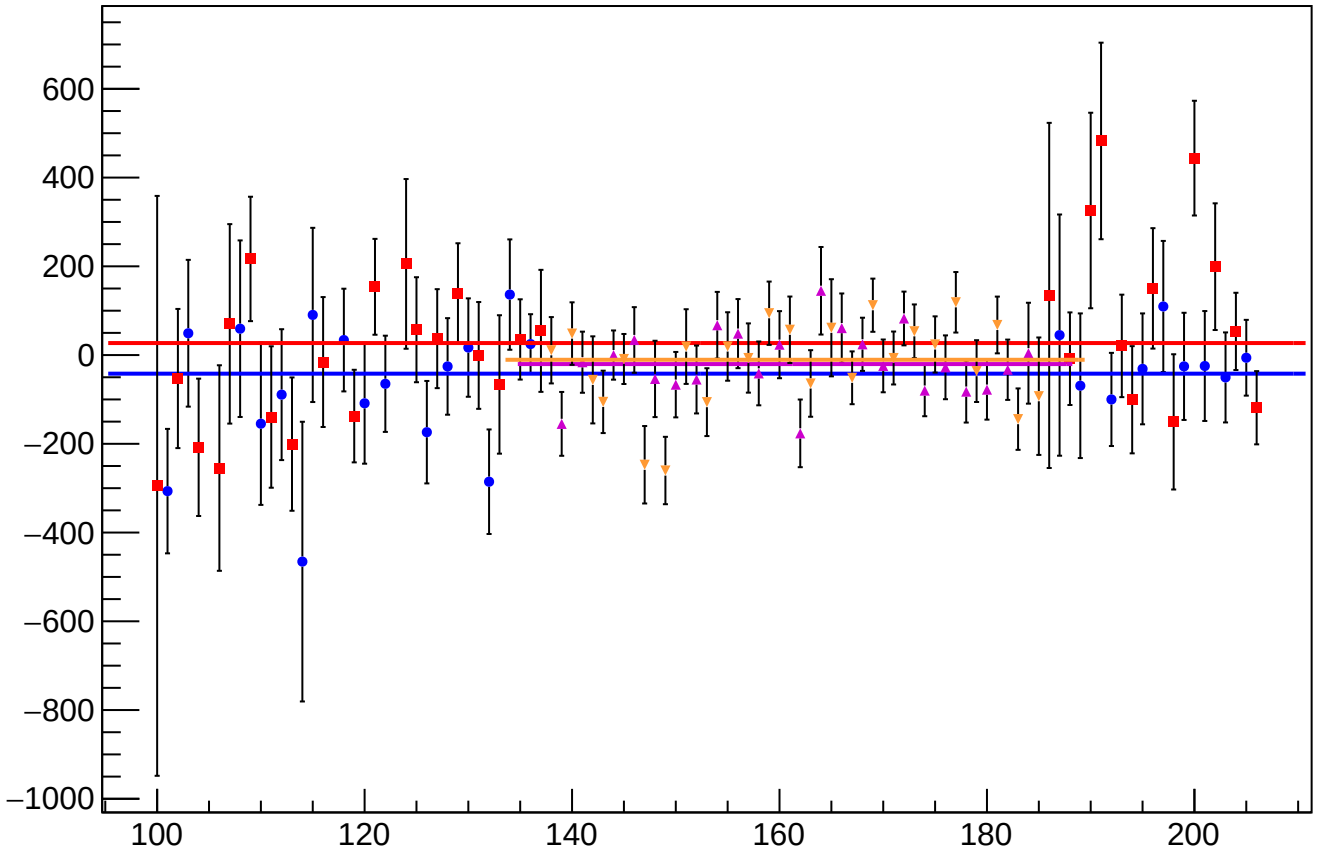
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 770.727+/-0.104 χ^2/NDF: 5464921.9/55

In: 382.984+/-0.052 χ^2/NDF:10498141.7/47

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 385.246+/-0.037 χ^2/NDF: 24270832.6/10



Right In: -41.917+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 27.083+/-23.616 χ^2/NDF: 40.5/30

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

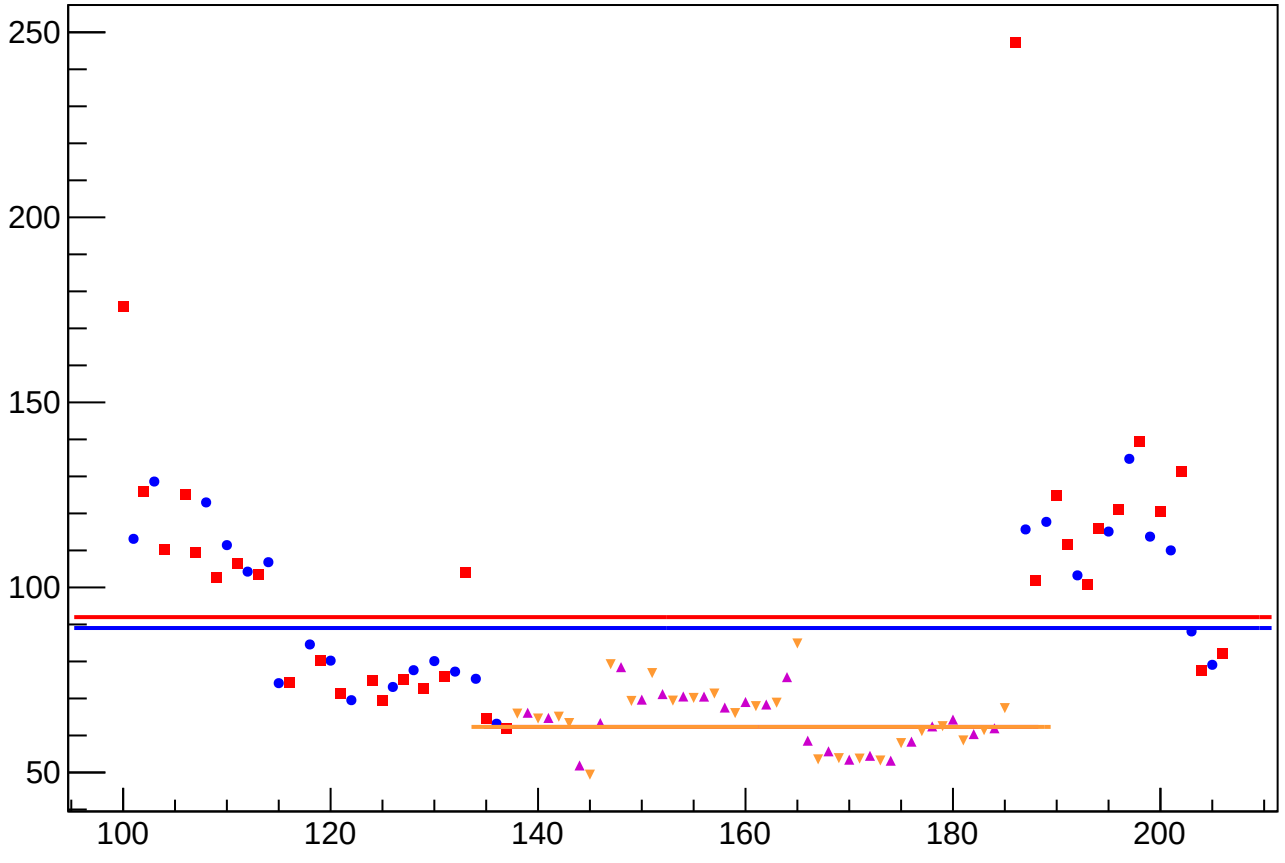
Right: -6.048+/-17.027 χ^2/NDF: 62.8/55

In: -26.030+/-12.647 χ^2/NDF:40.5/47

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -12.842+/-8.795 χ^2/NDF: 127.1/103

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 89.035+/-0.017 χ^2/NDF: 1354100.3/24

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000590.4/30

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

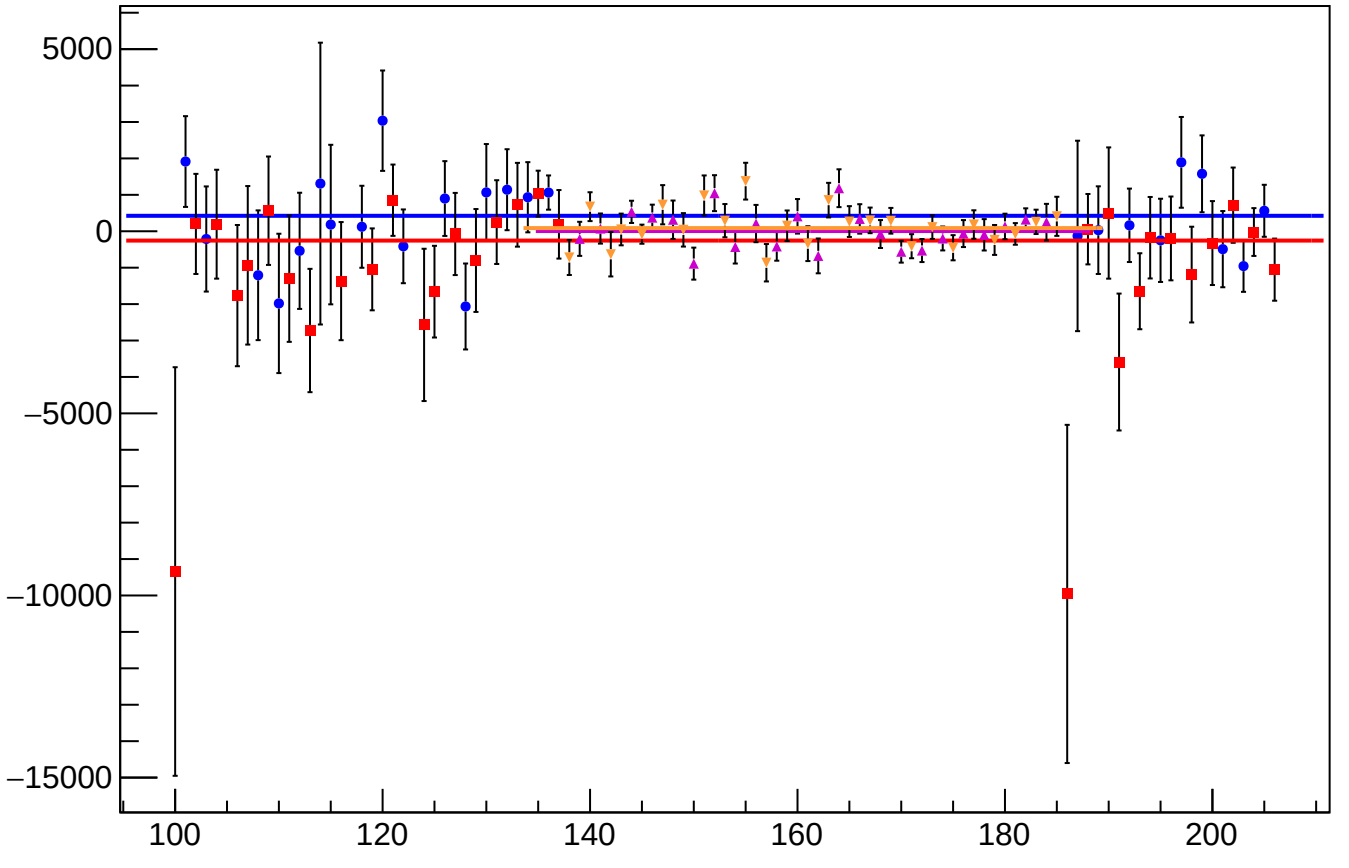
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 90.566+/-0.012 χ^2/NDF: 3369628.3/55

In: 69.389+/-0.009 χ^2/NDF:3577724.7/47

Out: 70.283+/-0.009 χ^2/NDF:4944890.8/55

All: 69.851+/-0.006 χ^2/NDF: 8527778.8/103



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -255.847+/-211.749 χ^2/NDF: 28.6/30

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

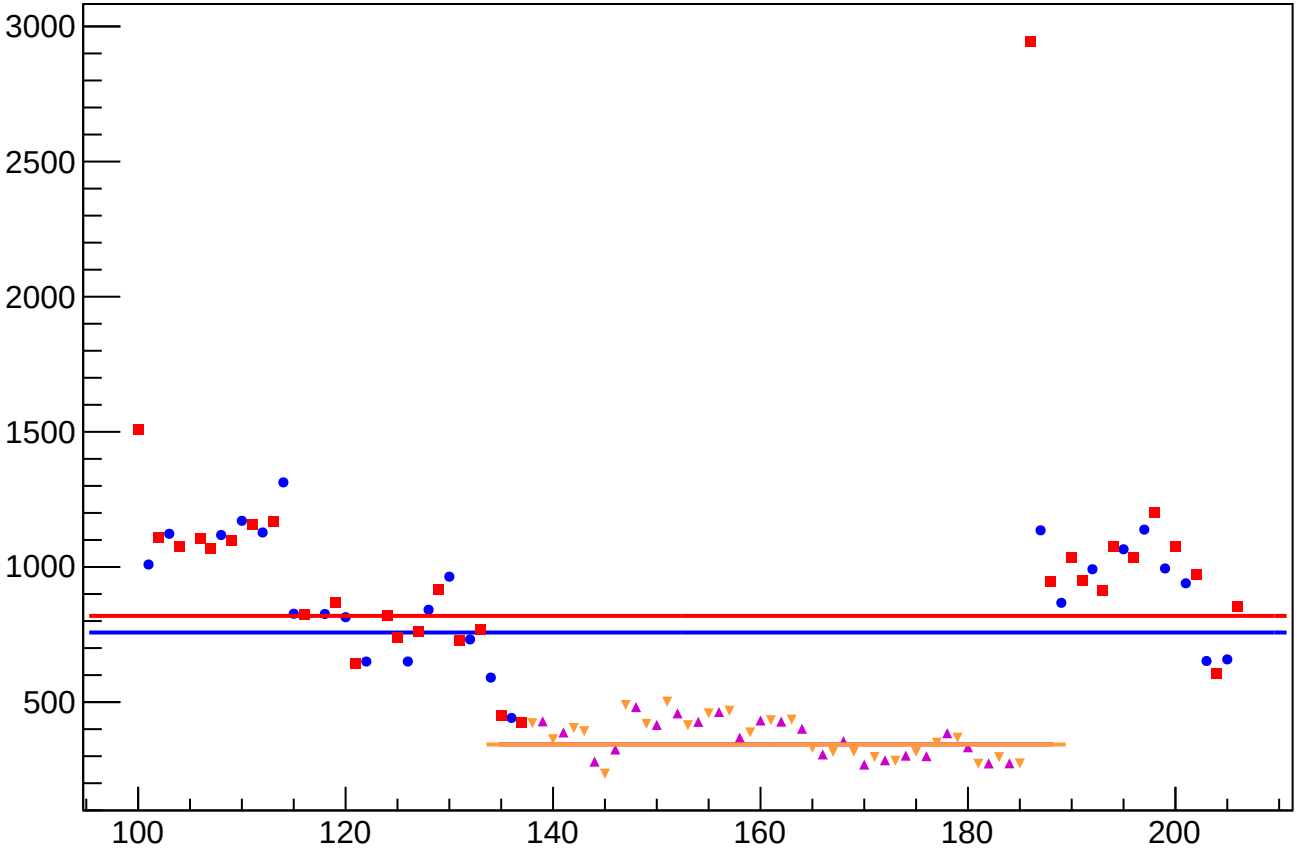
Right: 84.474+/-149.689 χ^2/NDF: 57.8/55

In: 61.177+/-76.551 χ^2/NDF:59.8/47

Out: 44.315+/-74.703 χ^2/NDF:62.5/55

All: 52.540+/-53.464 χ^2/NDF: 122.4/103

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 757.592+/-0.150 χ^2/NDF: 2358305.6/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844070.2/30

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

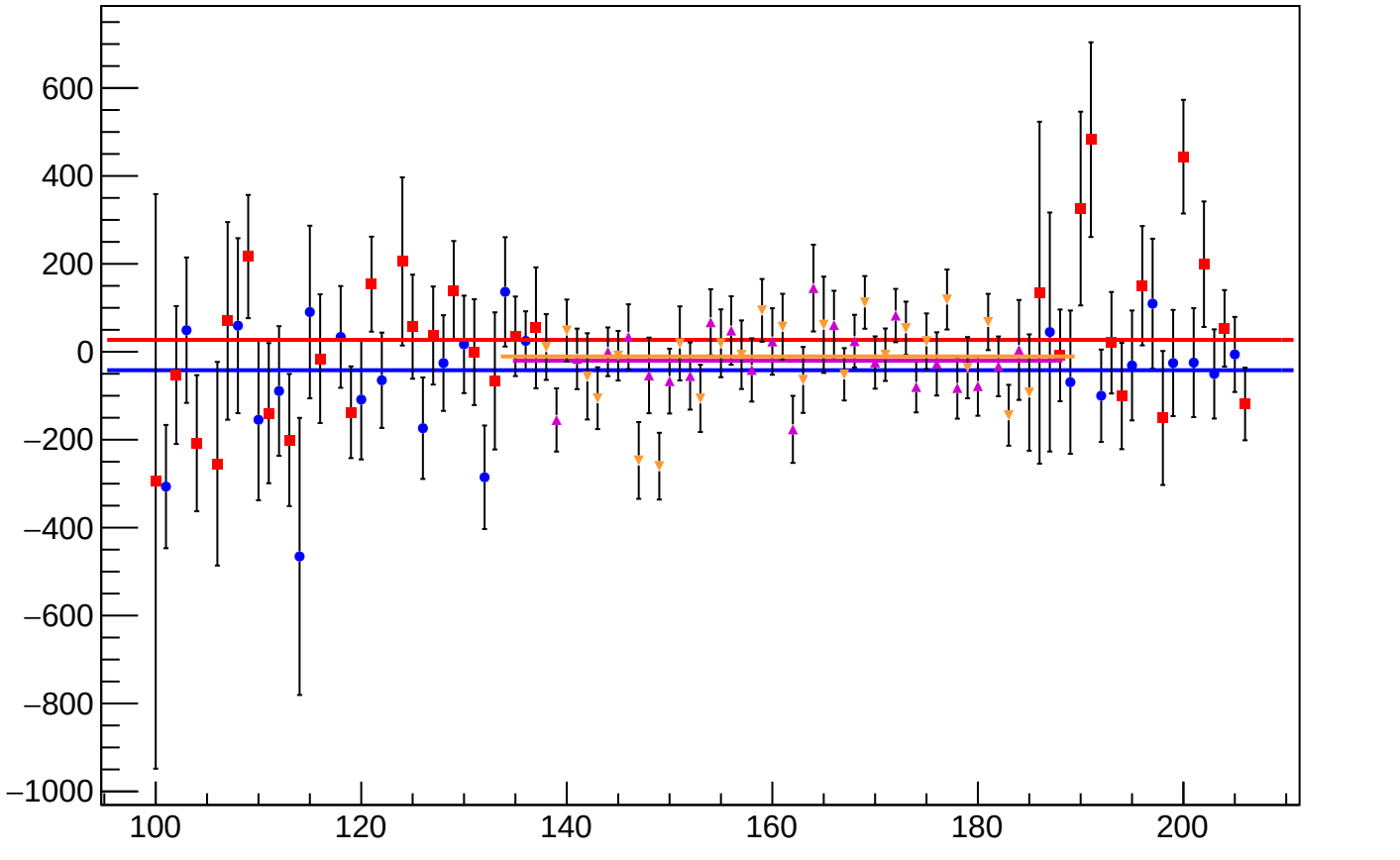
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 788.302+/-0.106 χ^2/NDF: 5286645.7/55

In: 397.866+/-0.054 χ^2/NDF:10264754.7/47

Out: 402.446+/-0.053 χ^2/NDF:13281410.9/55

All: 400.212+/-0.038 χ^2/NDF: 23549832.5/10



Right In: -41.918+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 27.083+/-23.616 χ^2/NDF: 40.5/30

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

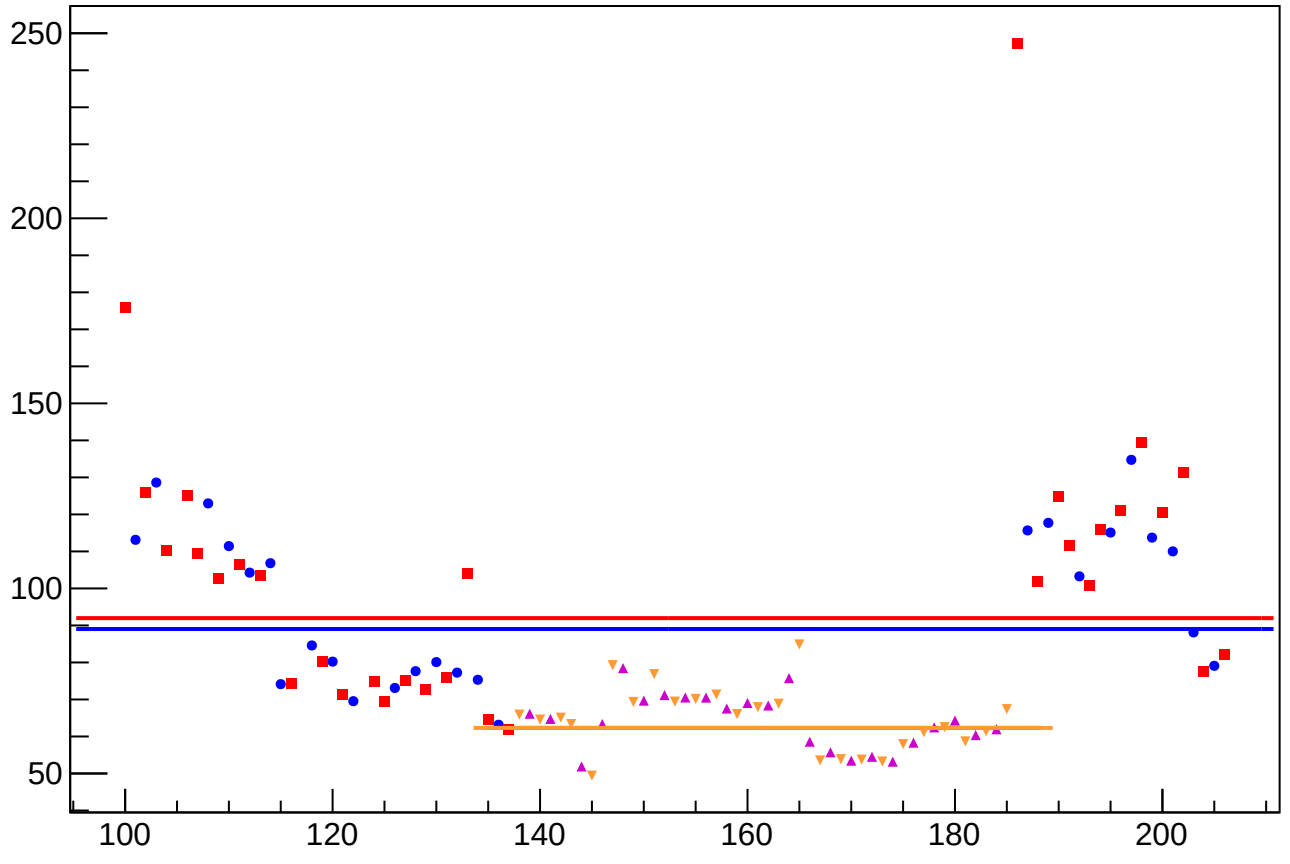
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -6.049+/-17.027 χ^2/NDF: 62.8/55

In: -26.031+/-12.647 χ^2/NDF:40.5/47

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -12.841+/-8.795 χ^2/NDF: 127.1/103



Right In: 89.034+/-0.017 χ^2/NDF: 1354118.5/24

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000588.3/30

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

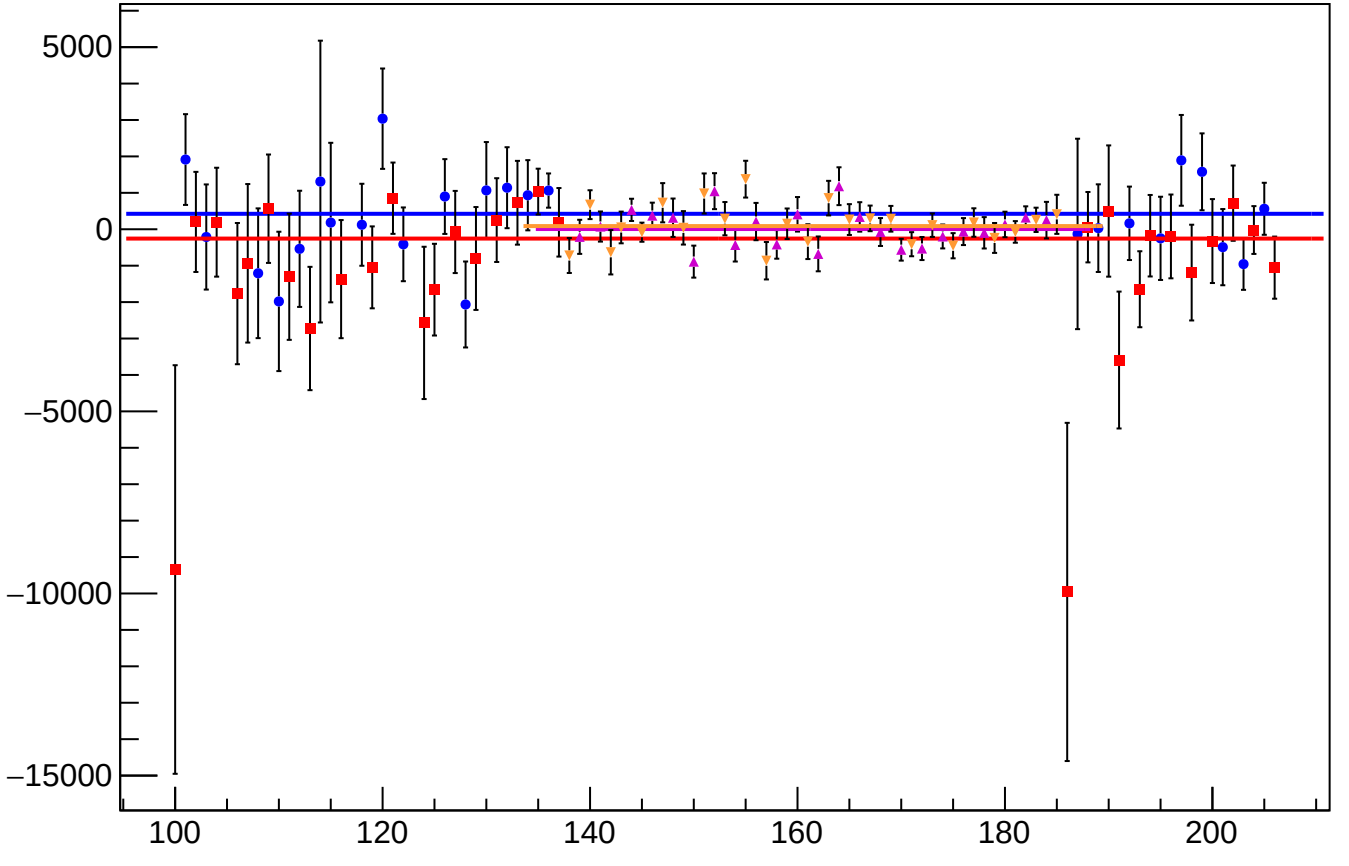
Right: 90.565+/-0.012 χ^2/NDF: 3369646.2/55

In: 69.389+/-0.009 χ^2/NDF:3577675.8/47

Out: 70.284+/-0.009 χ^2/NDF:4944858.1/55

All: 69.851+/-0.006 χ^2/NDF: 8527696.1/103

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -255.848+/-211.749 χ^2/NDF: 28.6/30

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

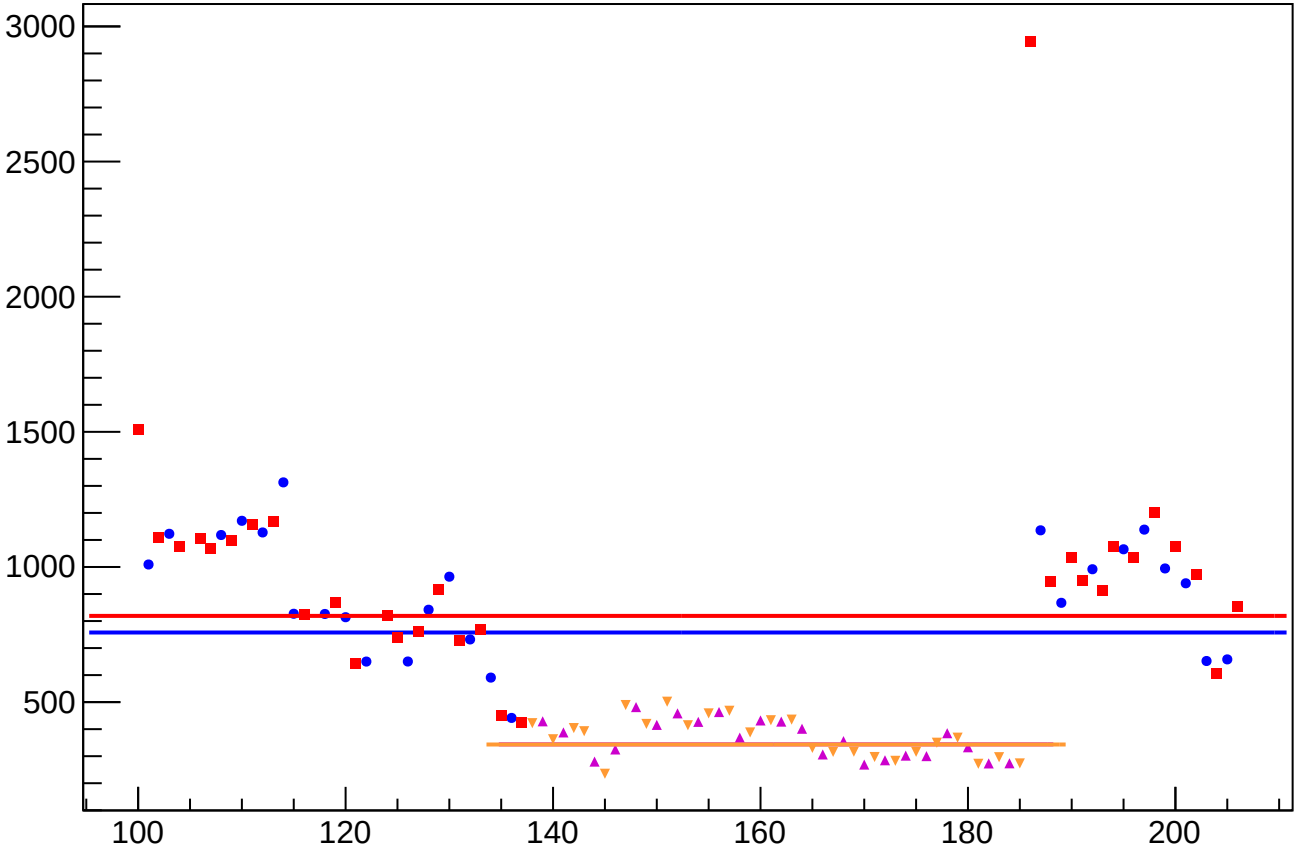
Right: 84.473+/-149.689 χ^2/NDF: 57.8/55

In: 61.177+/-76.551 χ^2/NDF:59.8/47

Out: 44.315+/-74.703 χ^2/NDF:62.5/55

All: 52.540+/-53.464 χ^2/NDF: 122.4/103

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 757.593+/-0.150 χ^2/NDF: 2358291.7/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844059.7/30

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

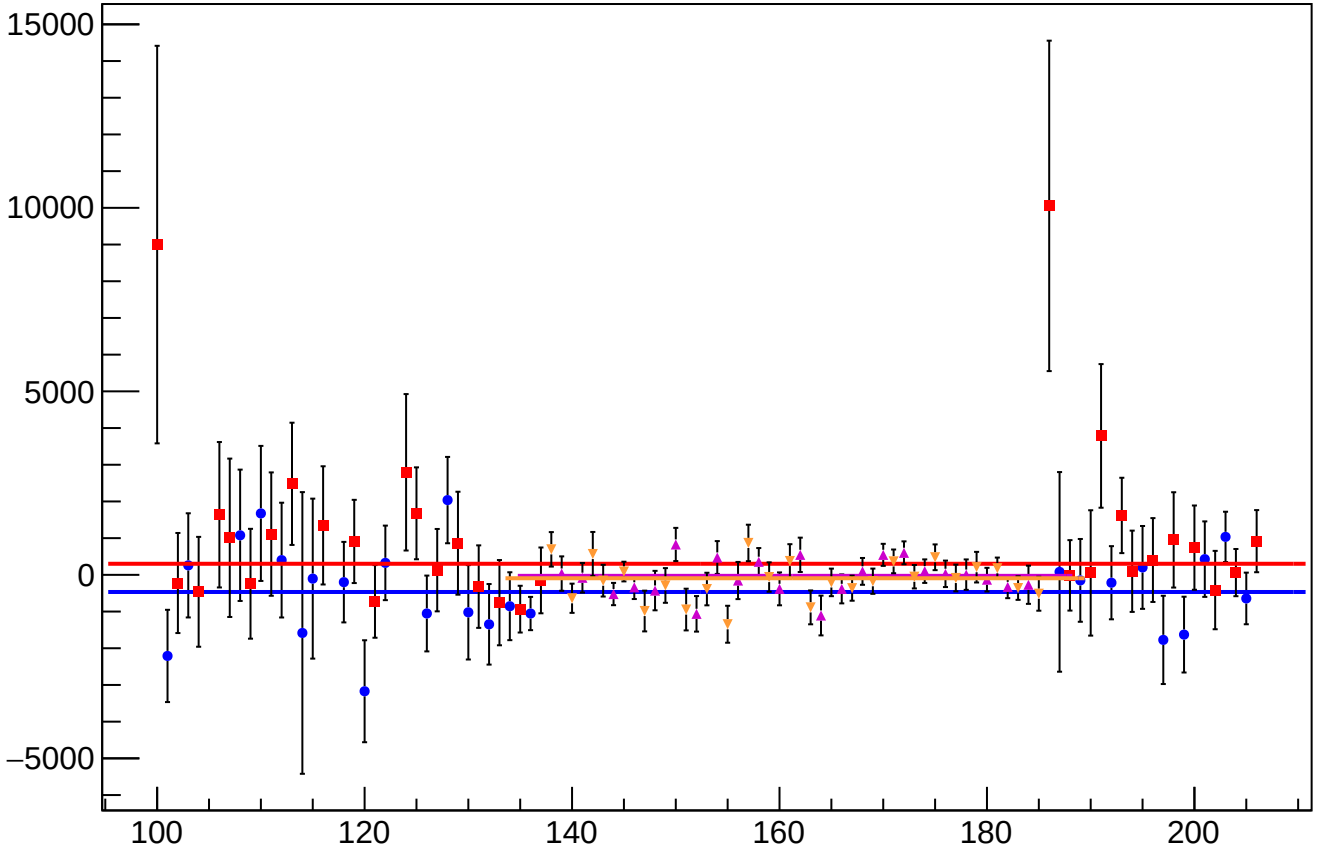
Right: 788.302+/-0.106 χ^2/NDF: 5286621.1/55

In: 397.867+/-0.054 χ^2/NDF:10264754.3/47

Out: 402.446+/-0.053 χ^2/NDF:13281421.3/55

All: 400.212+/-0.038 χ^2/NDF: 23549842.3/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -466.997+/-207.111 χ^2/NDF: 25.3/24

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 301.830+/-210.594 χ^2/NDF: 26.5/30

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

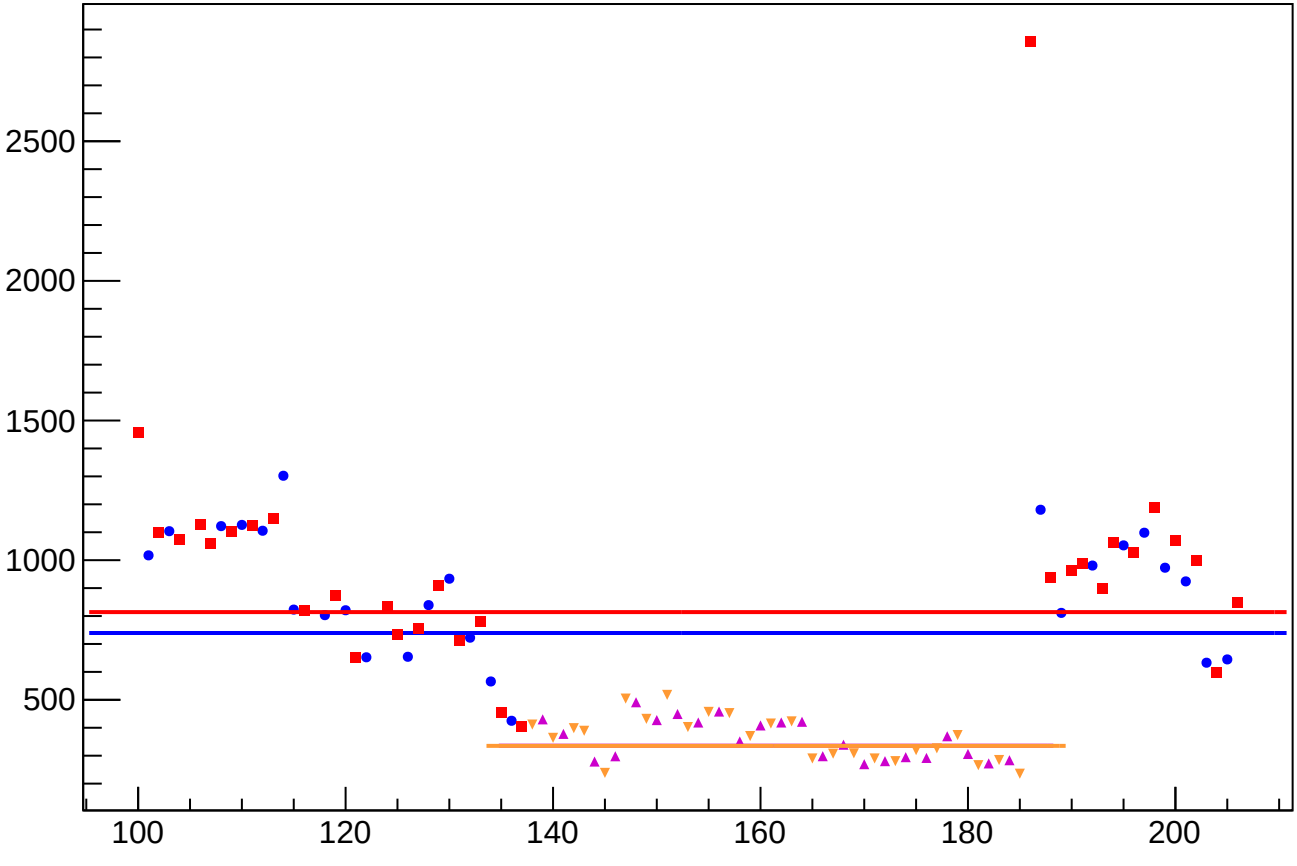
Right: -88.993+/-147.666 χ^2/NDF: 58.6/55

In: -84.534+/-74.795 χ^2/NDF:60.1/47

Out: -44.883+/-73.296 χ^2/NDF:63.8/55

All: -64.307+/-52.350 χ^2/NDF: 124.1/103

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 739.276+/-0.146 χ^2/NDF: 2462437.7/24

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 814.106+/-0.149 χ^2/NDF: 2850983.8/30

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

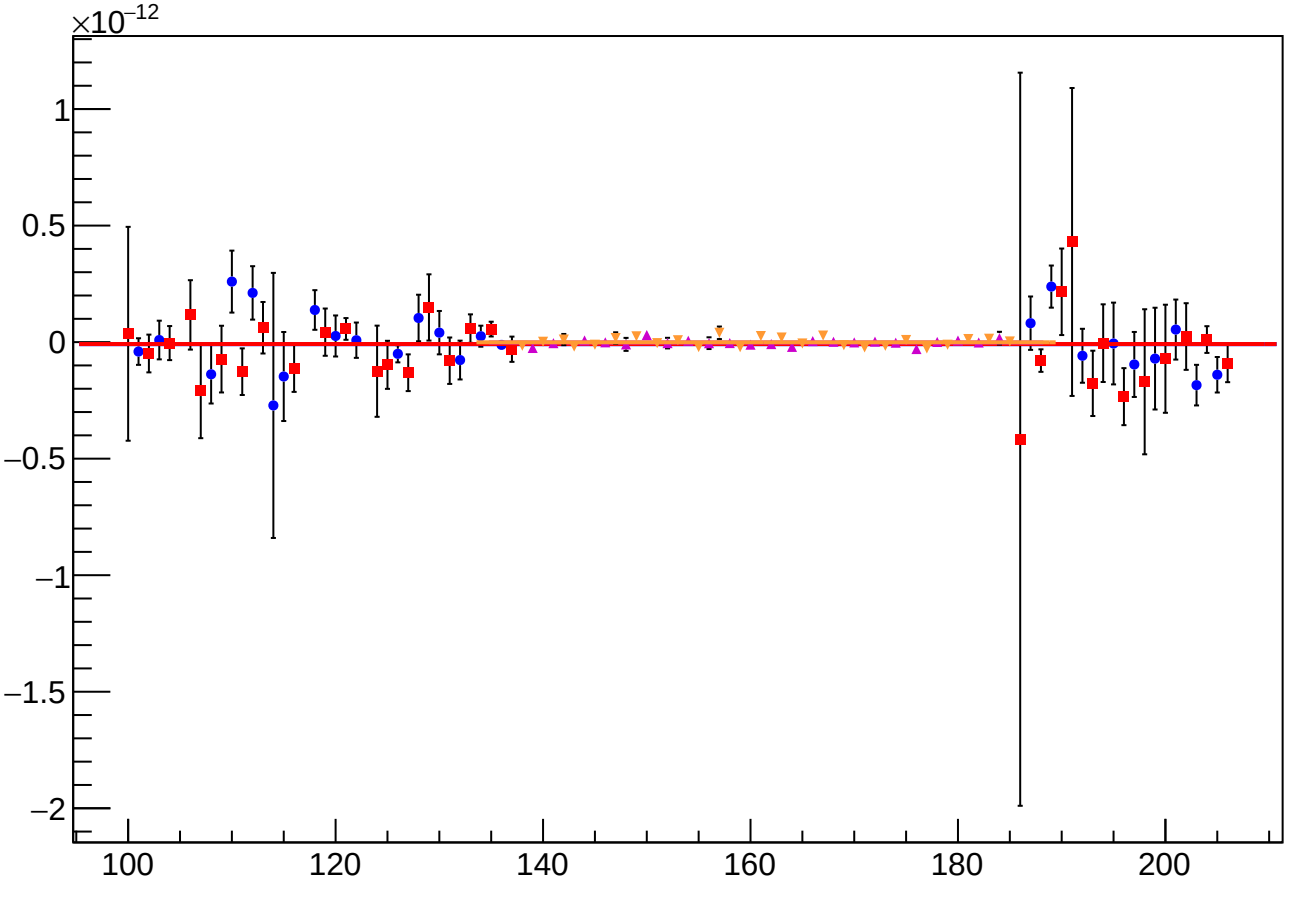
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 776.067+/-0.104 χ^2/NDF: 5441787.1/55

In: 388.409+/-0.053 χ^2/NDF:10354596.1/47

Out: 393.168+/-0.052 χ^2/NDF:13648842.7/55

All: 390.836+/-0.037 χ^2/NDF: 24007569.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

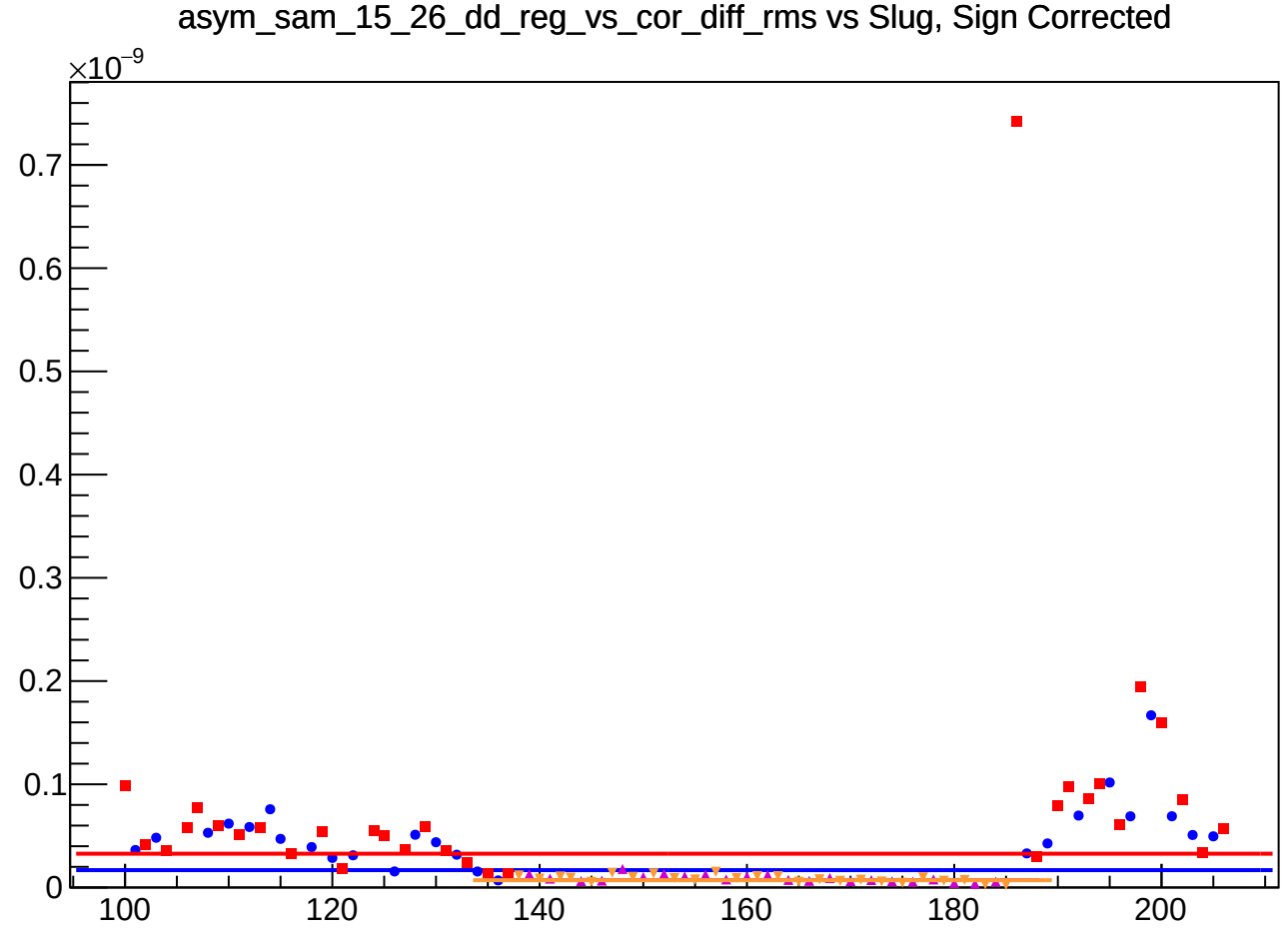
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 61.7/55

In: -0.000+/-0.000 χ^2/NDF:48.5/47

Out: -0.000+/-0.000 χ^2/NDF:61.9/55

All: -0.000+/-0.000 χ^2/NDF: 110.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 6560011.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795914.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

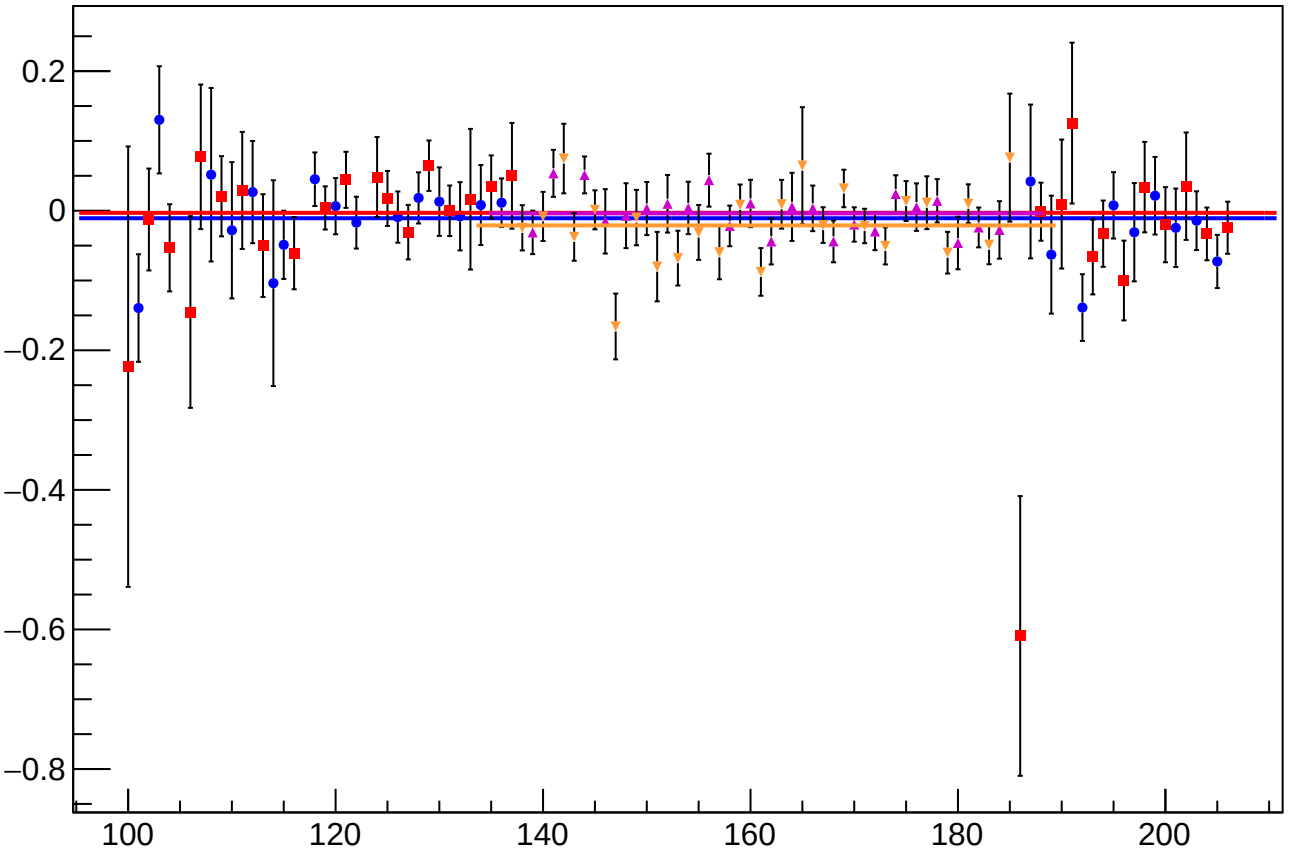
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12914914.5/55

In: 0.000+/-0.000 χ^2/NDF:9850685.7/47

Out: 0.000+/-0.000 χ^2/NDF:12492433.5/55

All: 0.000+/-0.000 χ^2/NDF: 22343132.5/103



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

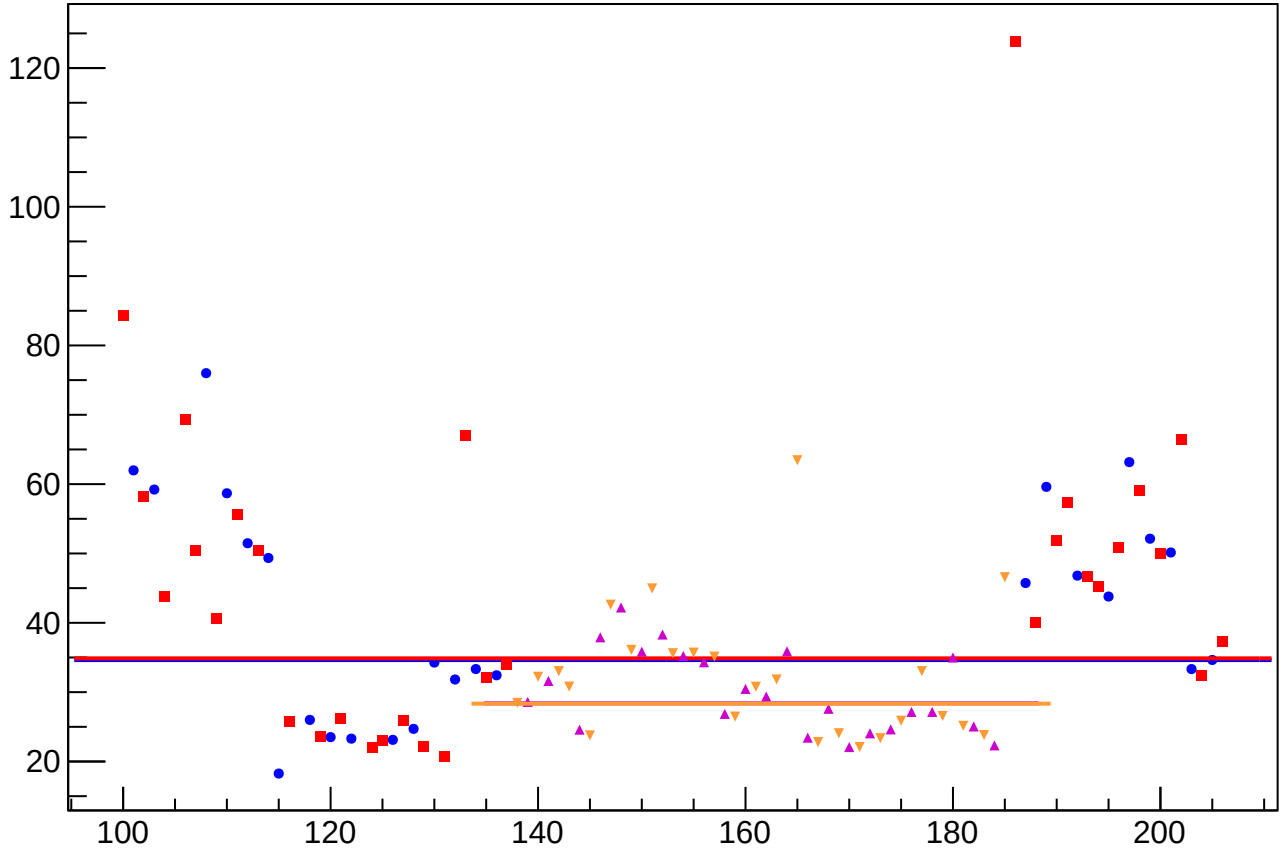
Right: -0.007+/-0.007 χ^2/NDF: 52.0/55

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.011+/-0.004 χ^2/NDF: 111.7/103

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

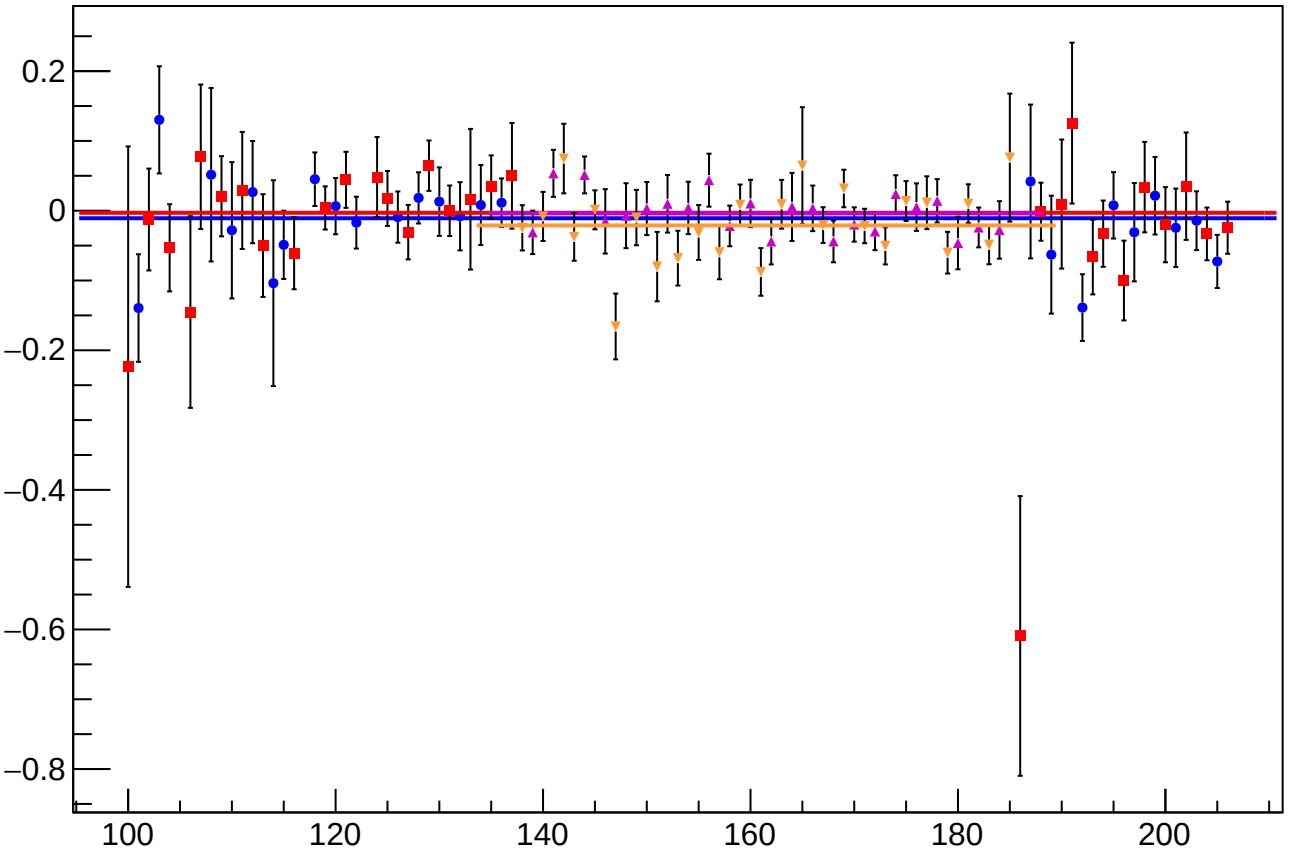
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.758+/-0.005 χ^2/NDF: 7008084.1/55

In: 30.361+/-0.004 χ^2/NDF:4650985.1/47

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.443+/-0.003 χ^2/NDF: 11002256.6/103



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

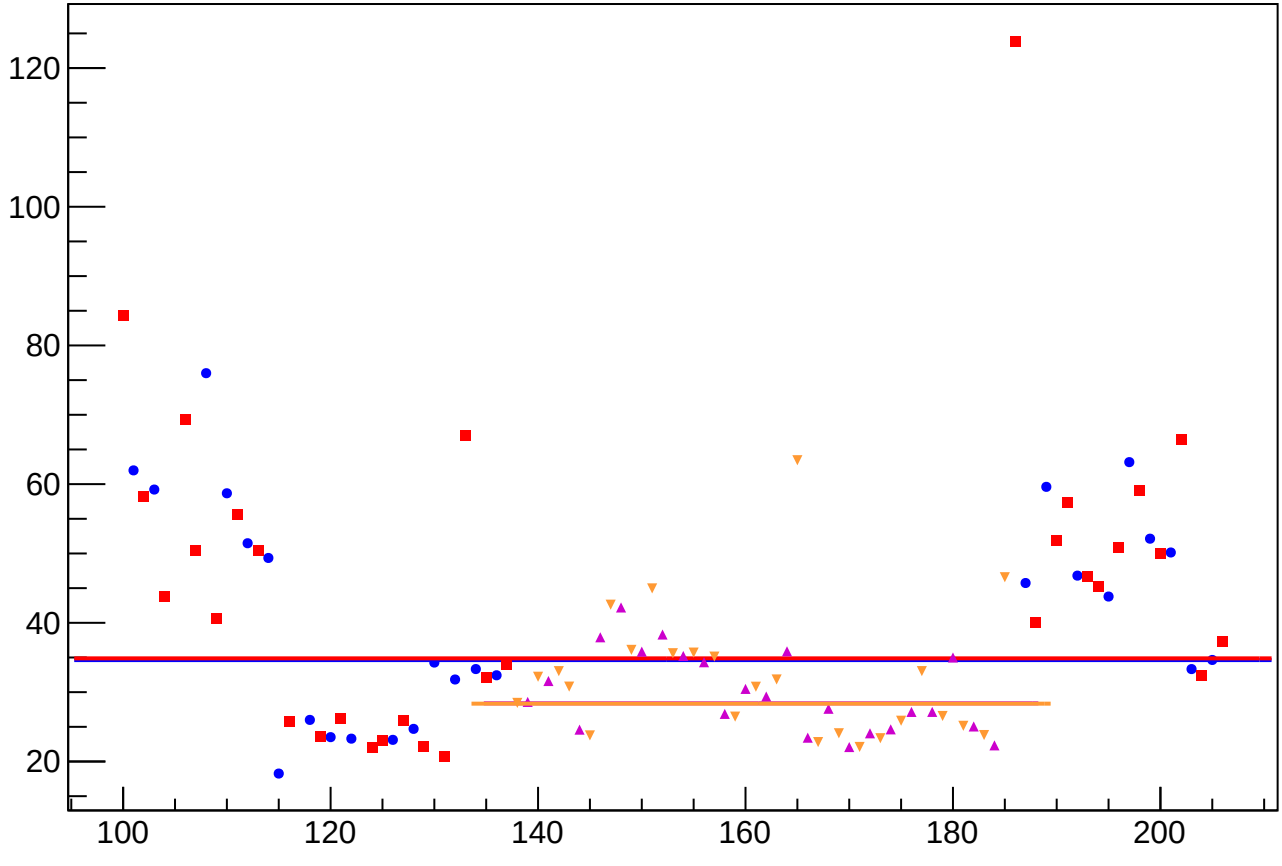
Right: -0.007+/-0.007 χ^2/NDF: 52.0/55

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.011+/-0.004 χ^2/NDF: 111.7/103

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

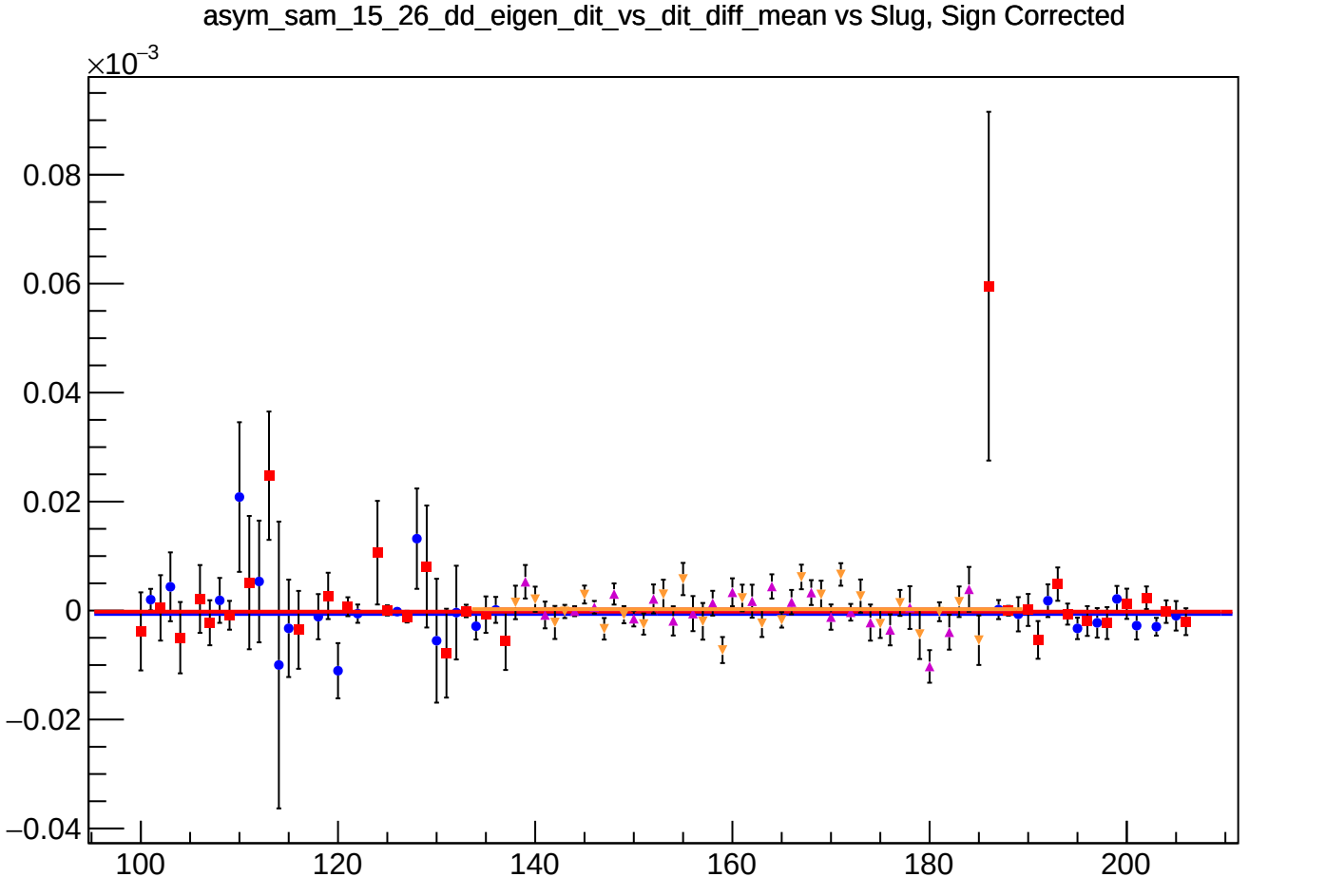
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.758+/-0.005 χ^2/NDF: 7008084.1/55

In: 30.361+/-0.004 χ^2/NDF:4650985.1/47

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.443+/-0.003 χ^2/NDF: 11002256.6/103



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

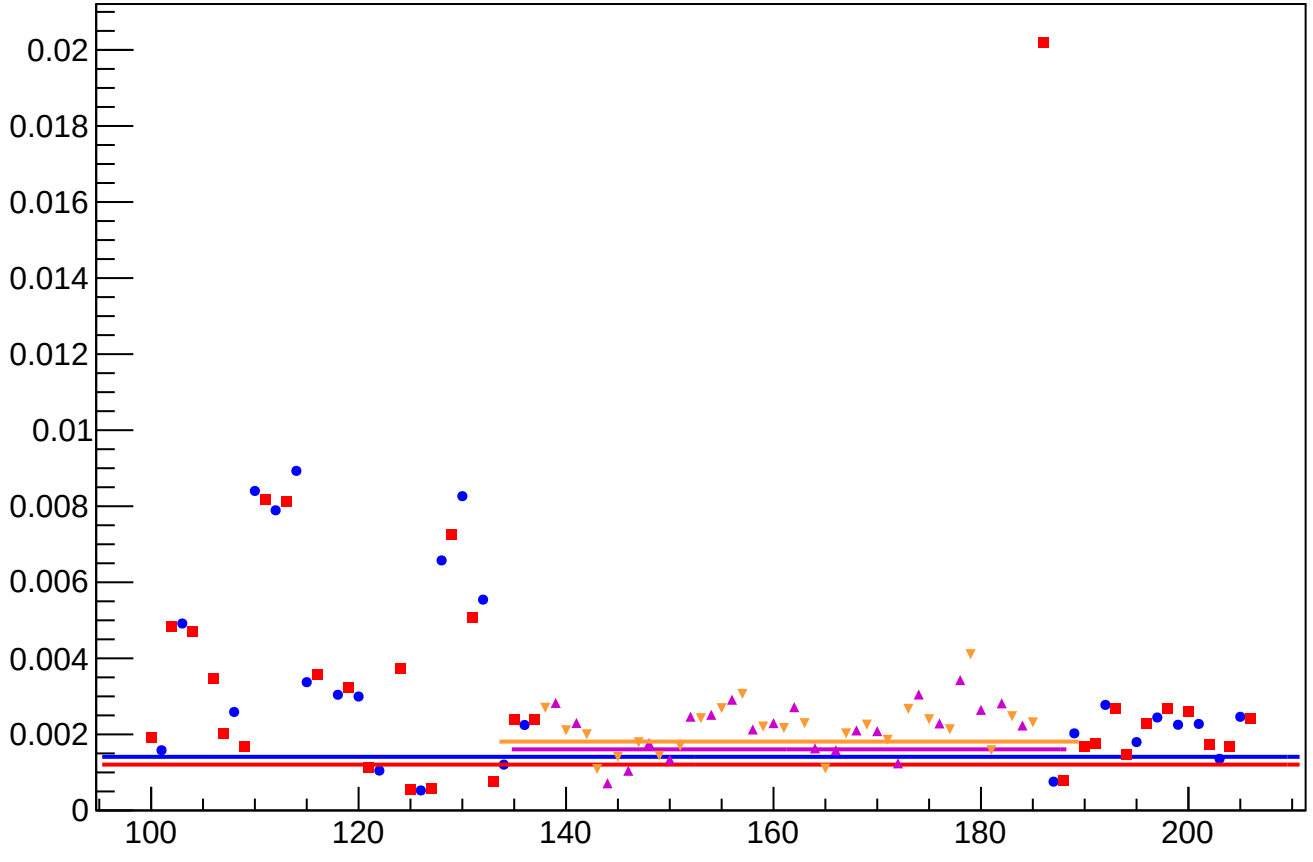
Right: -0.000+/-0.000 χ^2/NDF: 44.5/55

In: -0.000+/-0.000 χ^2/NDF:55.9/47

Out: 0.000+/-0.000 χ^2/NDF:74.6/55

All: -0.000+/-0.000 χ^2/NDF: 130.6/103

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9122543.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11040166.1/30

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

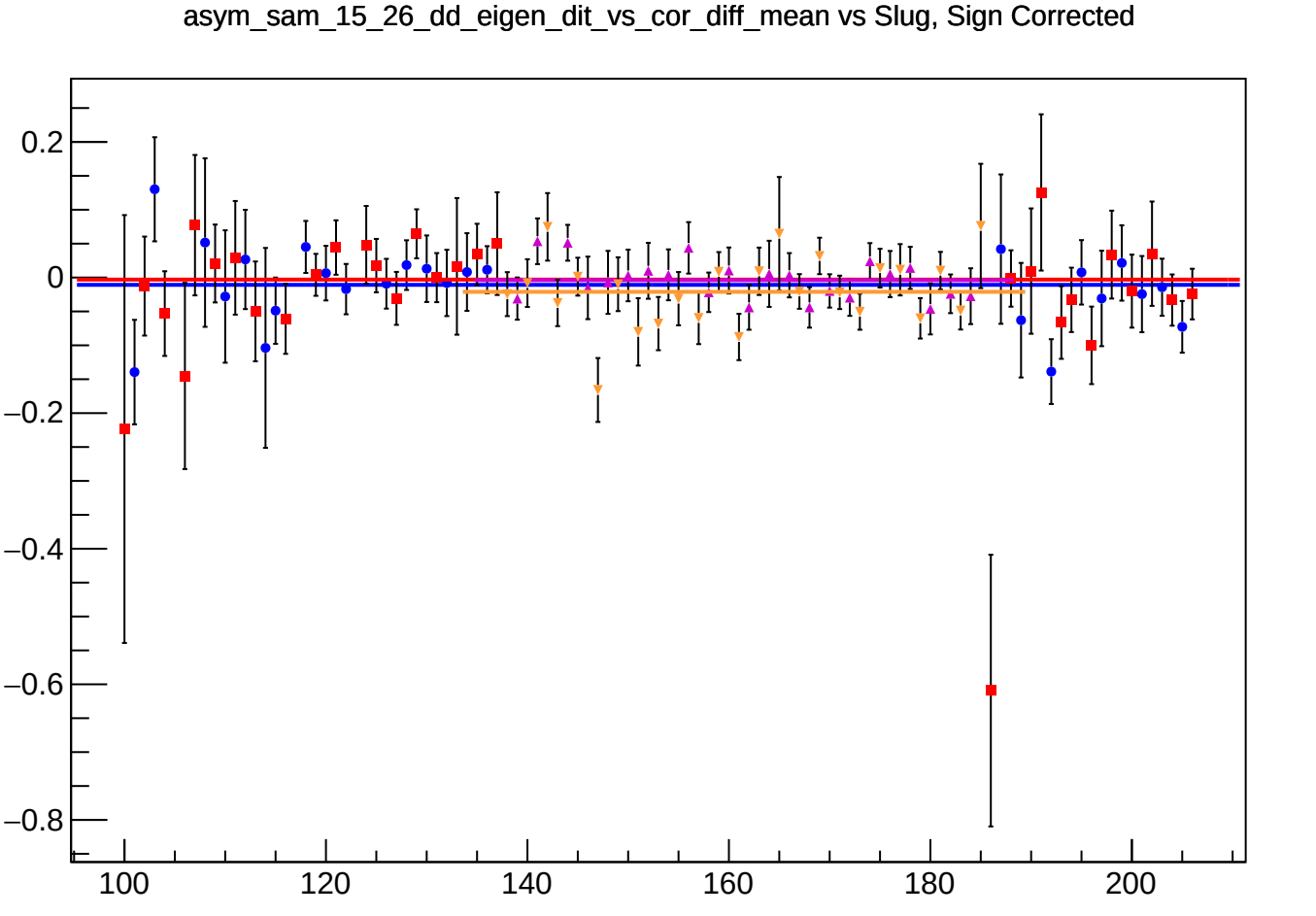
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 20382832.9/55

In: 0.002+/-0.000 χ^2/NDF:15346887.8/47

Out: 0.001+/-0.000 χ^2/NDF:16608799.8/55

All: 0.001+/-0.000 χ^2/NDF: 31975304.0/103



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

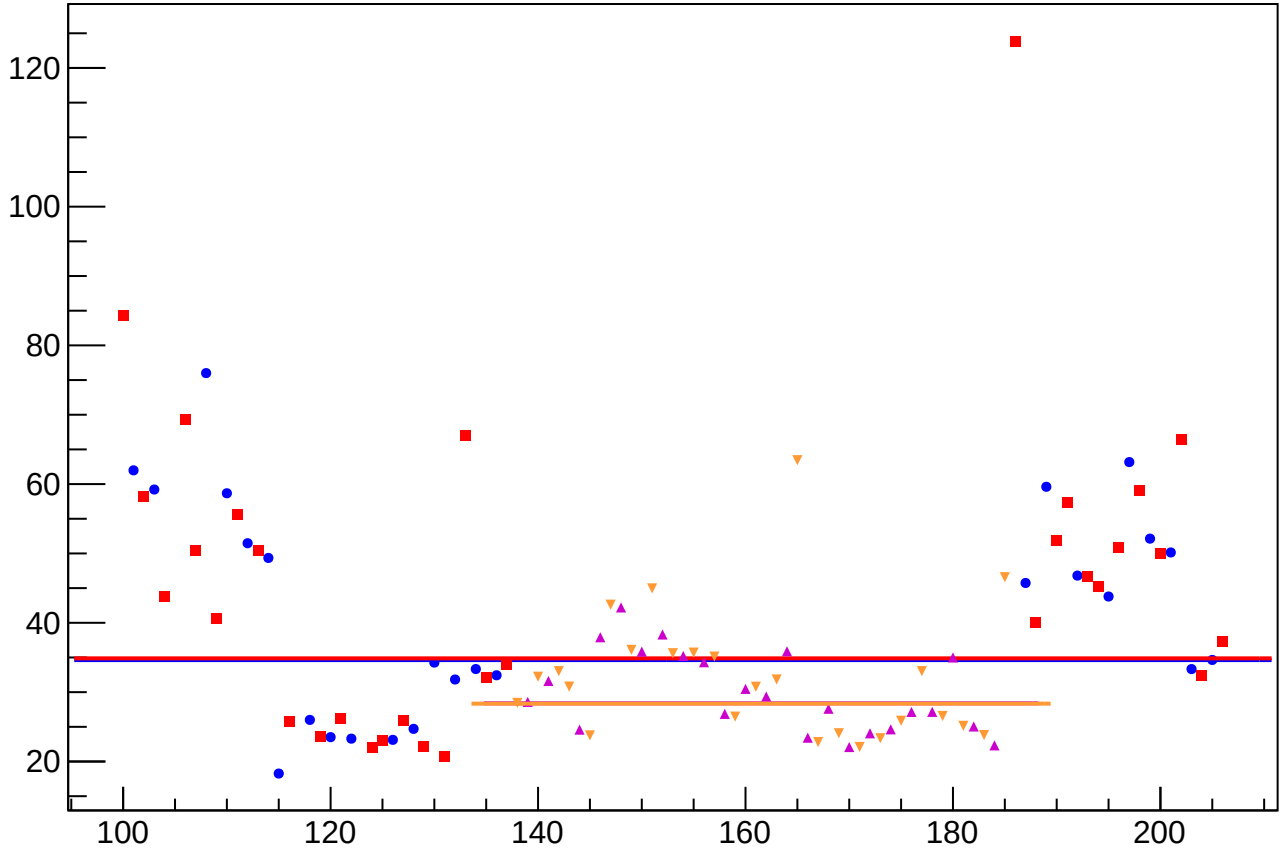
Right: -0.007+/-0.007 χ^2/NDF: 52.0/55

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.011+/-0.004 χ^2/NDF: 111.7/103

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

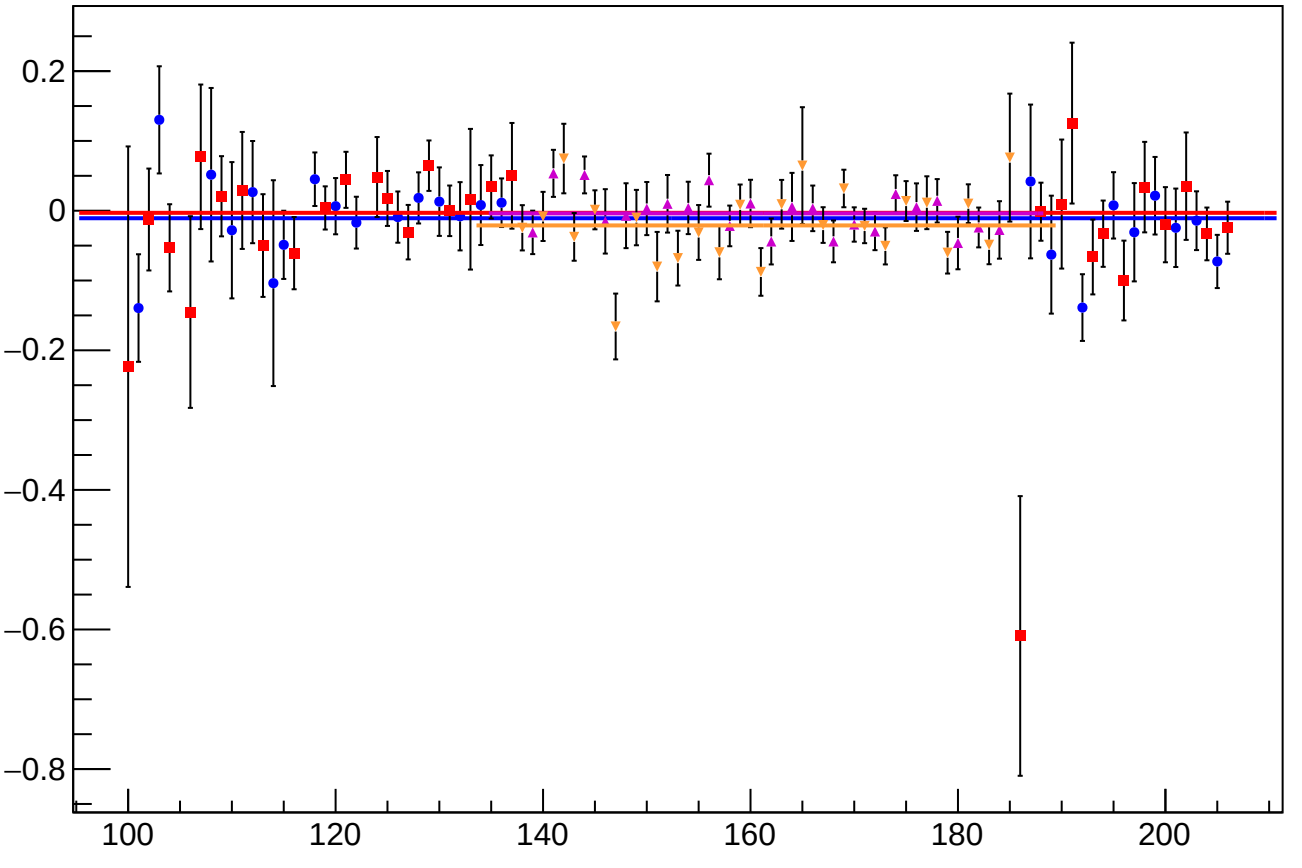
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.758+/-0.005 χ^2/NDF: 7008060.8/55

In: 30.361+/-0.004 χ^2/NDF:4650816.4/47

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.443+/-0.003 χ^2/NDF: 11002093.0/103



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

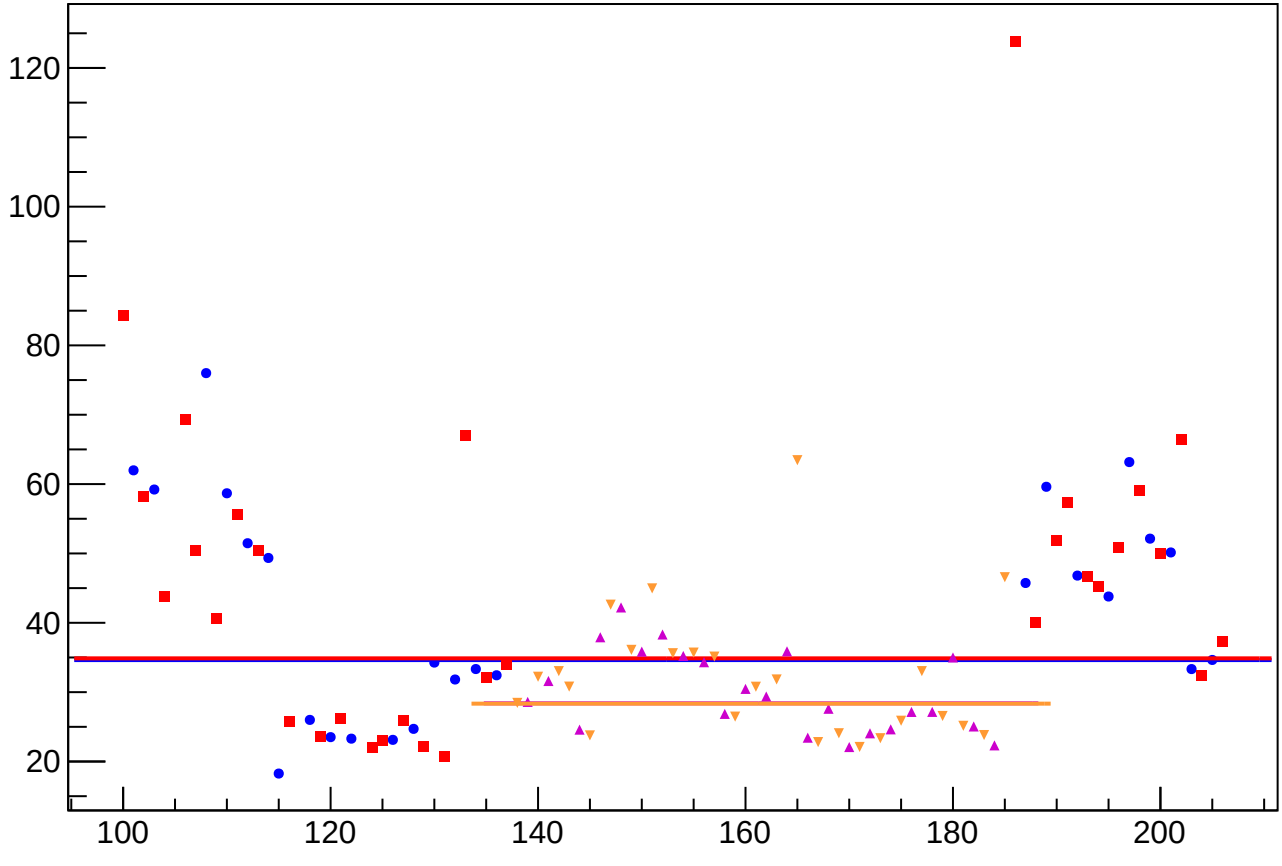
Right: -0.007+/-0.007 χ^2/NDF: 52.0/55

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.011+/-0.004 χ^2/NDF: 111.7/103

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

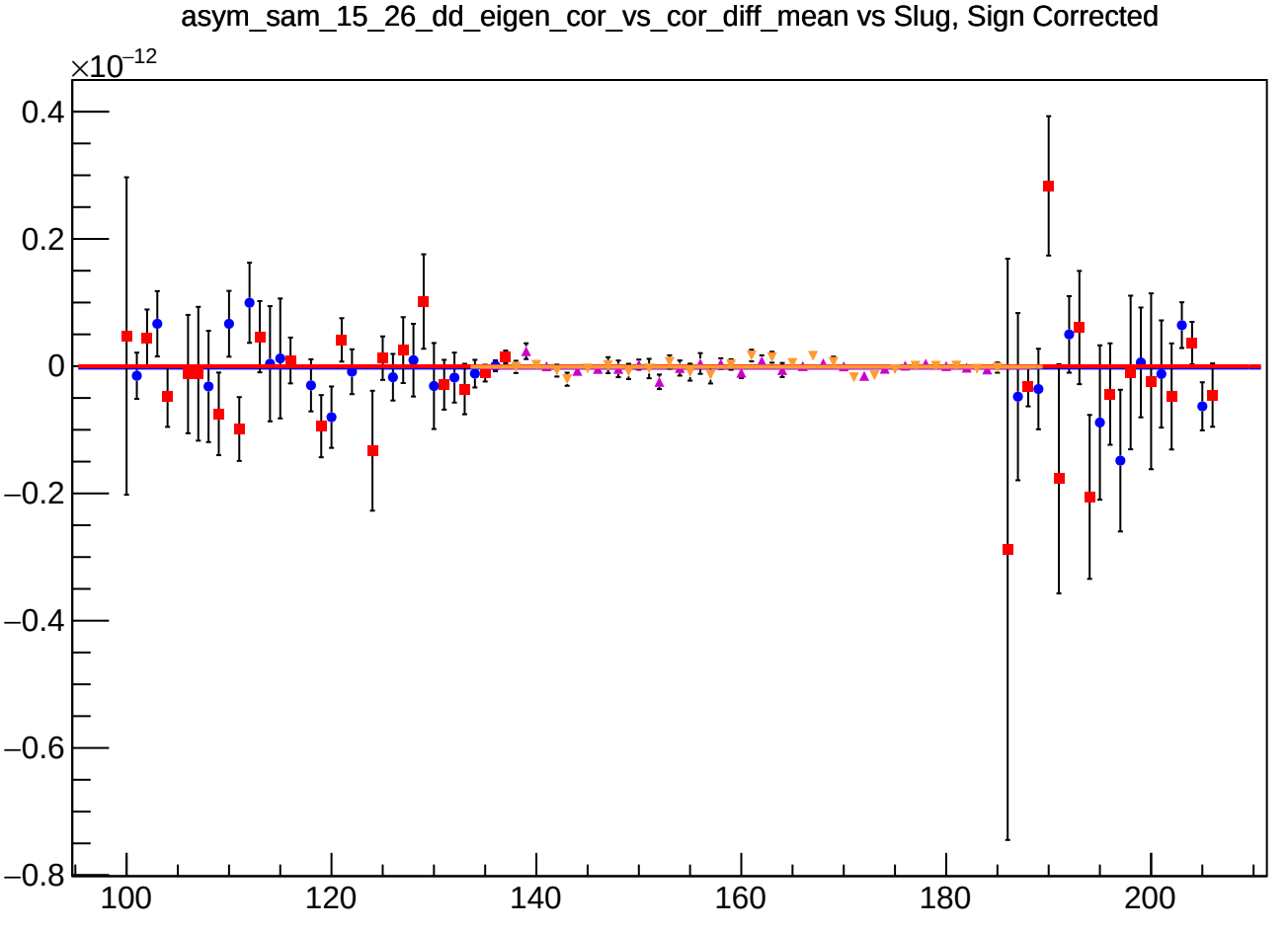
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.758+/-0.005 χ^2/NDF: 7008060.8/55

In: 30.361+/-0.004 χ^2/NDF:4650816.4/47

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.443+/-0.003 χ^2/NDF: 11002093.0/103



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

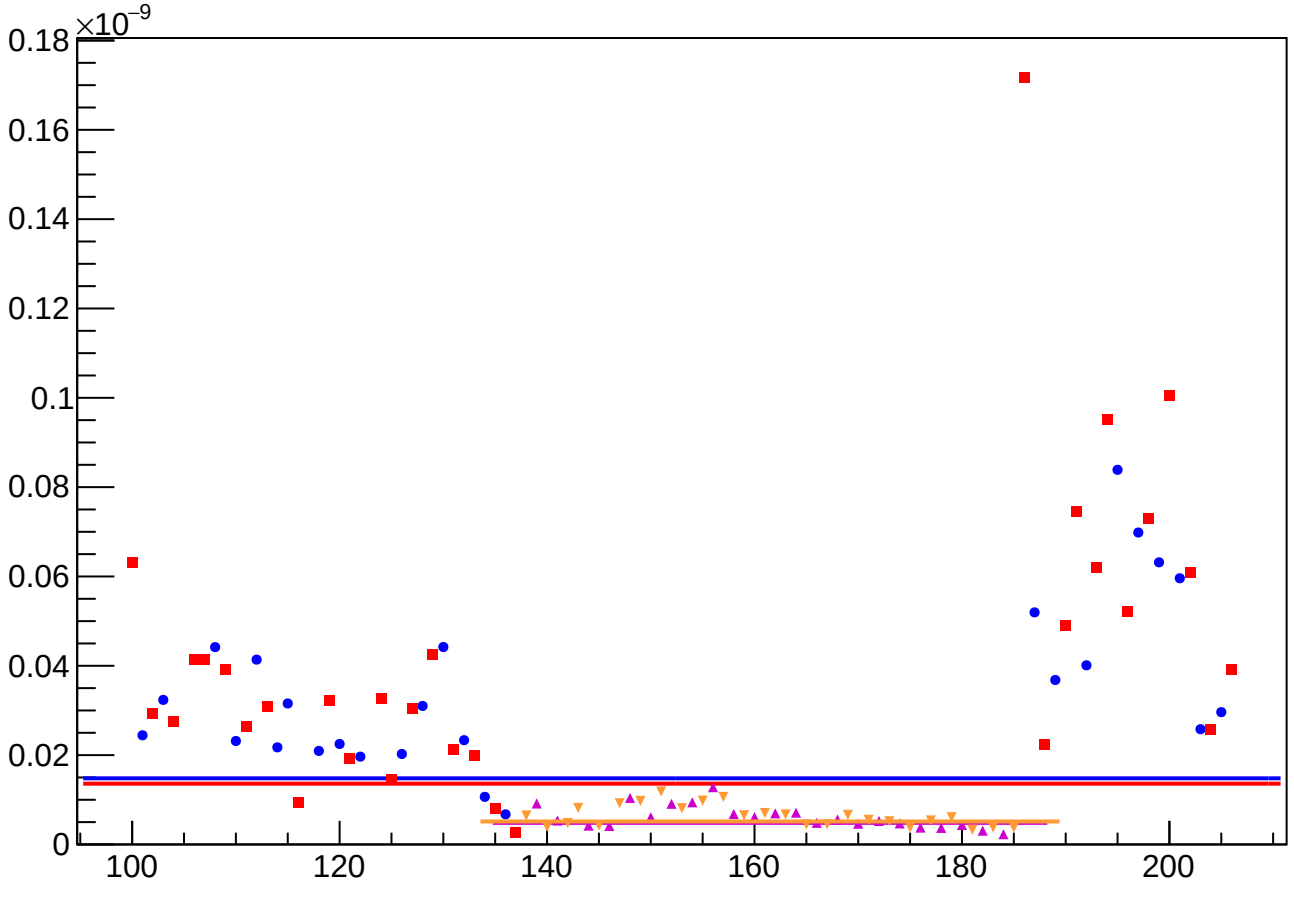
Right: -0.000+/-0.000 χ^2/NDF: 56.1/55

In: -0.000+/-0.000 χ^2/NDF:39.4/47

Out: -0.000+/-0.000 χ^2/NDF:70.3/55

All: -0.000+/-0.000 χ^2/NDF: 110.0/103

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7304887.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10596904.1/30

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

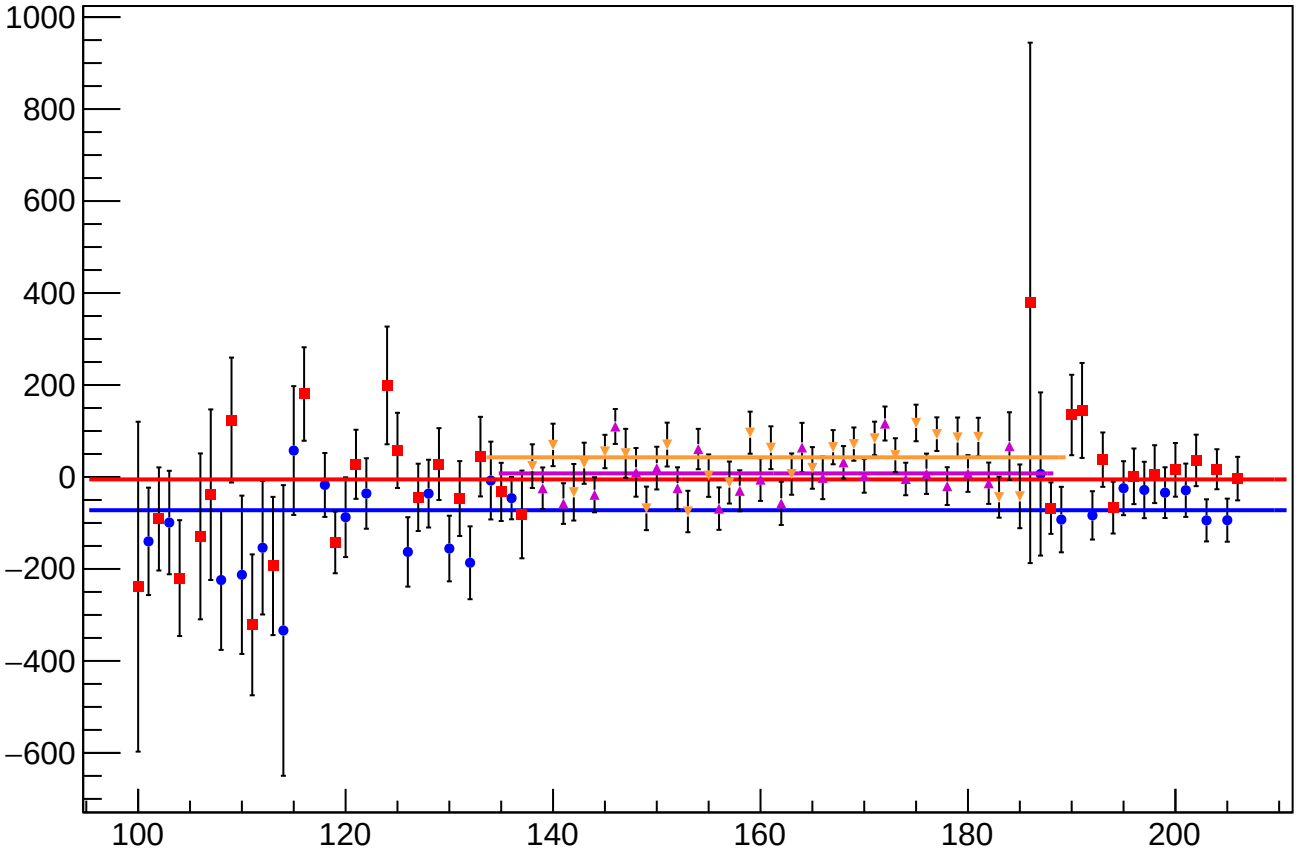
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17937169.0/55

In: 0.000+/-0.000 χ^2/NDF:14885074.6/47

Out: 0.000+/-0.000 χ^2/NDF:17107970.6/55

All: 0.000+/-0.000 χ^2/NDF: 32030390.5/103



Right In: -72.267+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.302+/-13.717 χ^2/NDF: 33.0/30

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

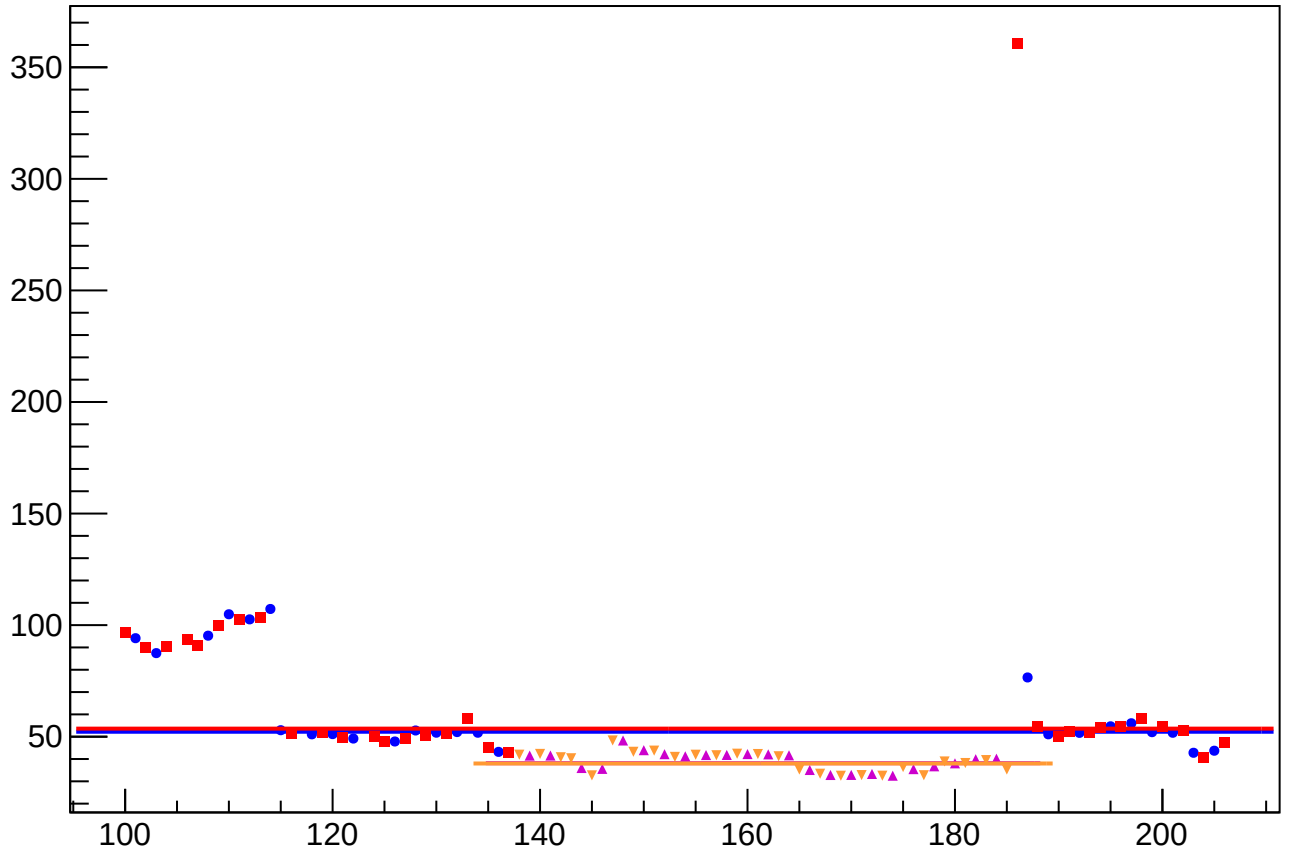
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -37.363+/-9.903 χ^2/NDF: 58.2/55

In: -14.809+/-7.603 χ^2/NDF:66.9/47

Out: 28.980+/-7.346 χ^2/NDF:76.5/55

All: 7.840+/-5.283 χ^2/NDF: 160.5/103



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.5/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.613+/-0.010 χ^2/NDF: 2166920.3/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

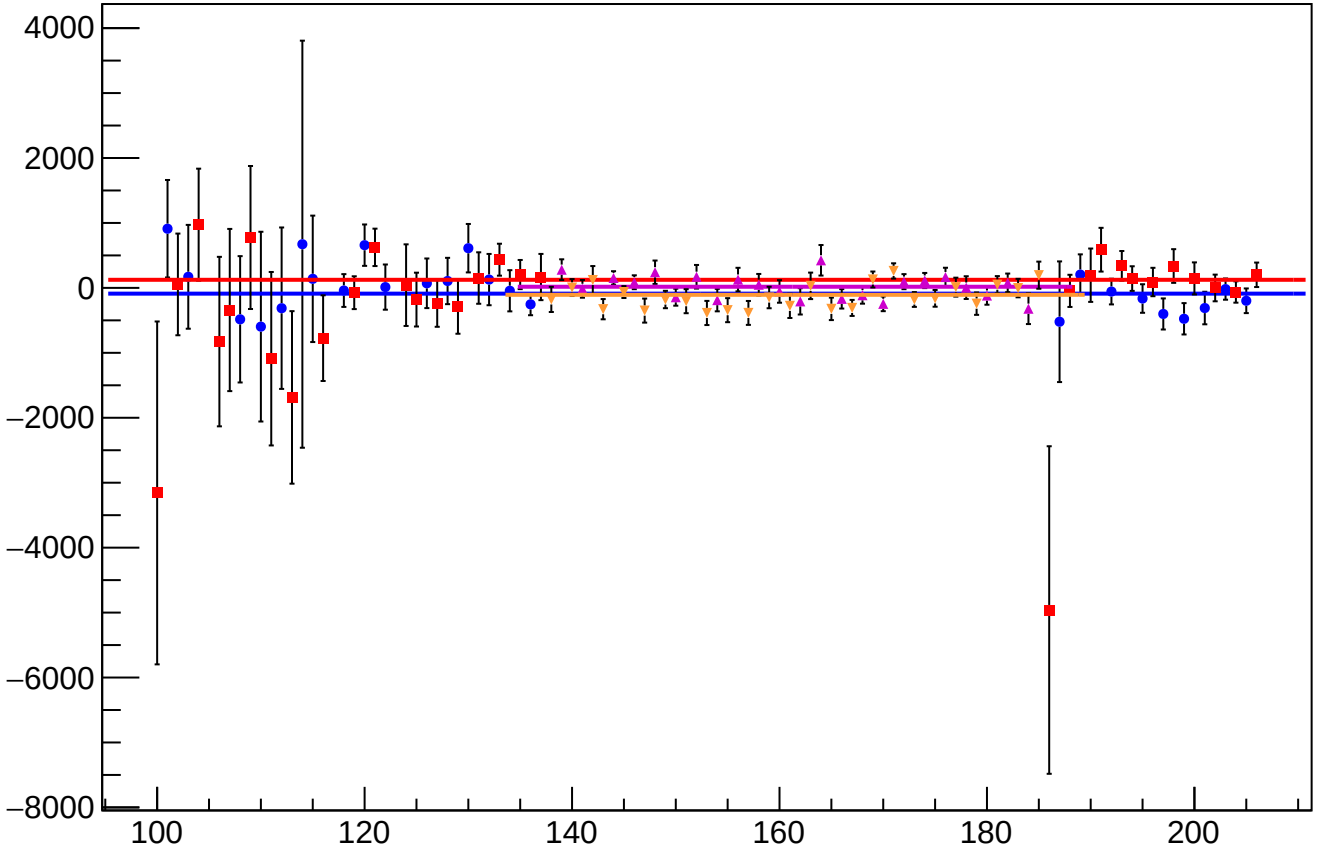
Right: 52.946+/-0.007 χ^2/NDF: 3568069.3/55

In: 42.109+/-0.005 χ^2/NDF:3210427.4/47

Out: 42.470+/-0.005 χ^2/NDF:4530951.2/55

All: 42.296+/-0.004 χ^2/NDF: 7743720.8/103

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -88.660+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 124.524+/-55.184 χ^2/NDF: 25.9/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

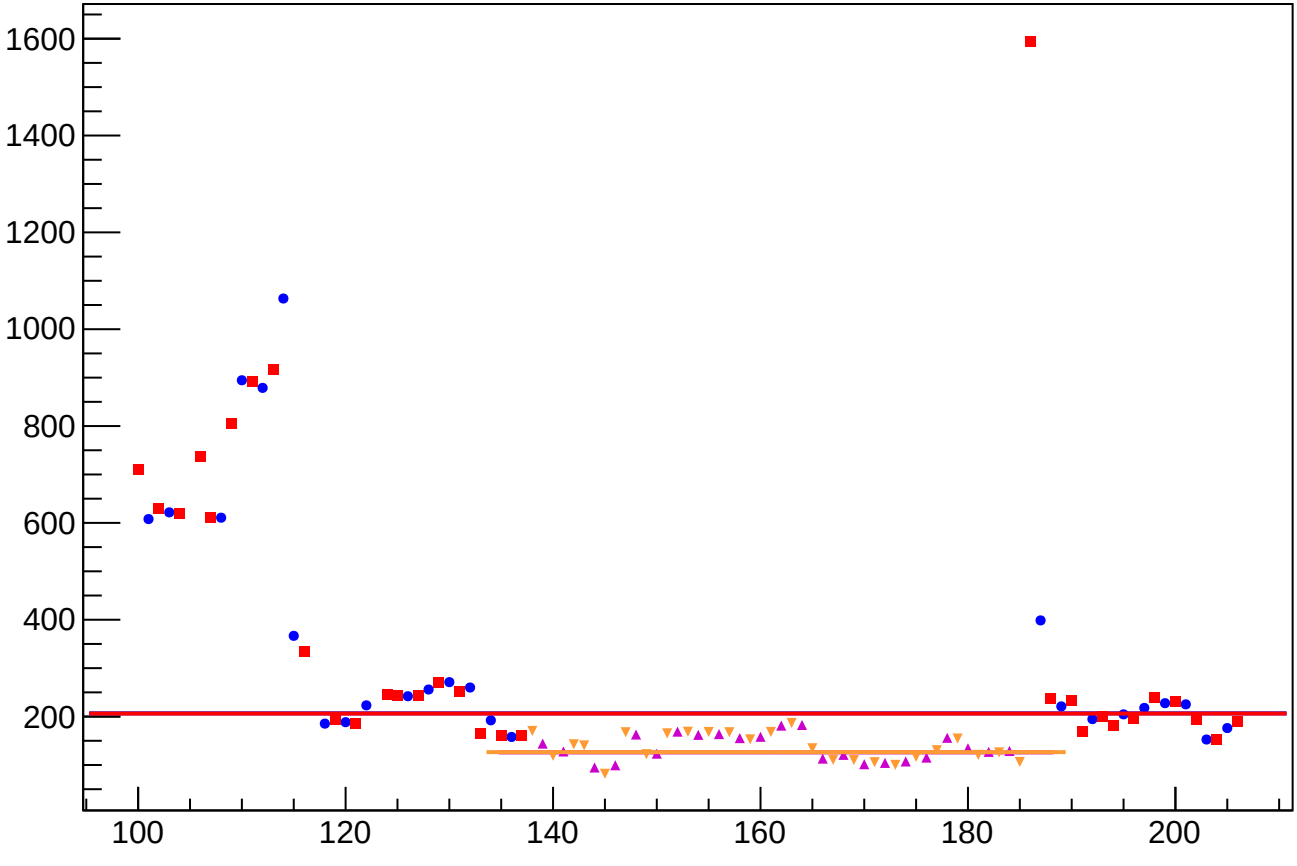
Right: 24.983+/-40.291 χ^2/NDF: 52.9/55

In: -4.531+/-26.869 χ^2/NDF:50.8/47

Out: -54.987+/-26.059 χ^2/NDF:77.2/55

All: -30.531+/-18.706 χ^2/NDF: 129.9/103

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434441.1/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.221+/-0.039 χ^2/NDF: 4735252.9/30

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

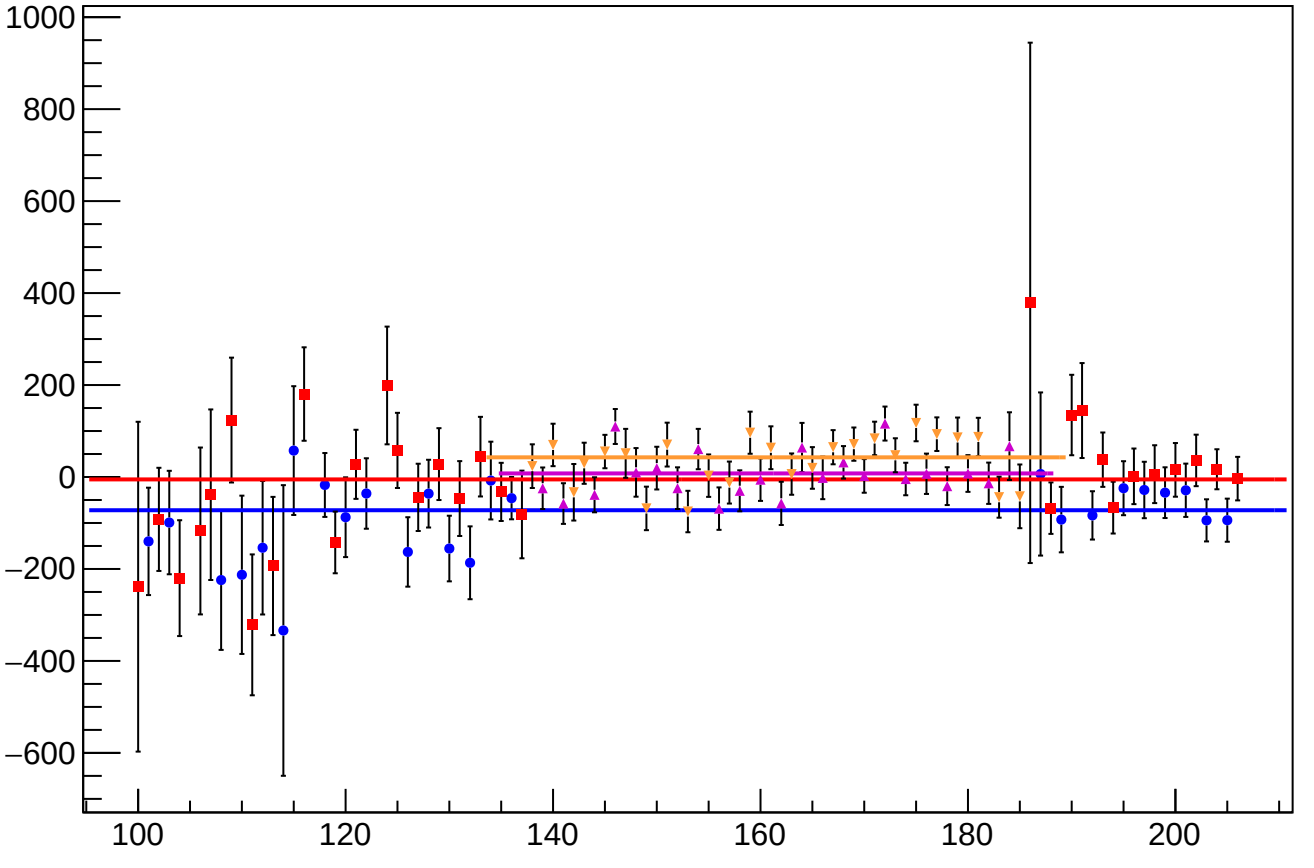
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 206.424+/-0.028 χ^2/NDF: 8169752.2/55

In: 142.759+/-0.019 χ^2/NDF:7809321.7/47

Out: 144.325+/-0.018 χ^2/NDF:9731636.9/55

All: 143.566+/-0.013 χ^2/NDF: 17544458.0/10



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.239+/-13.717 χ^2/NDF: 32.9/30

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

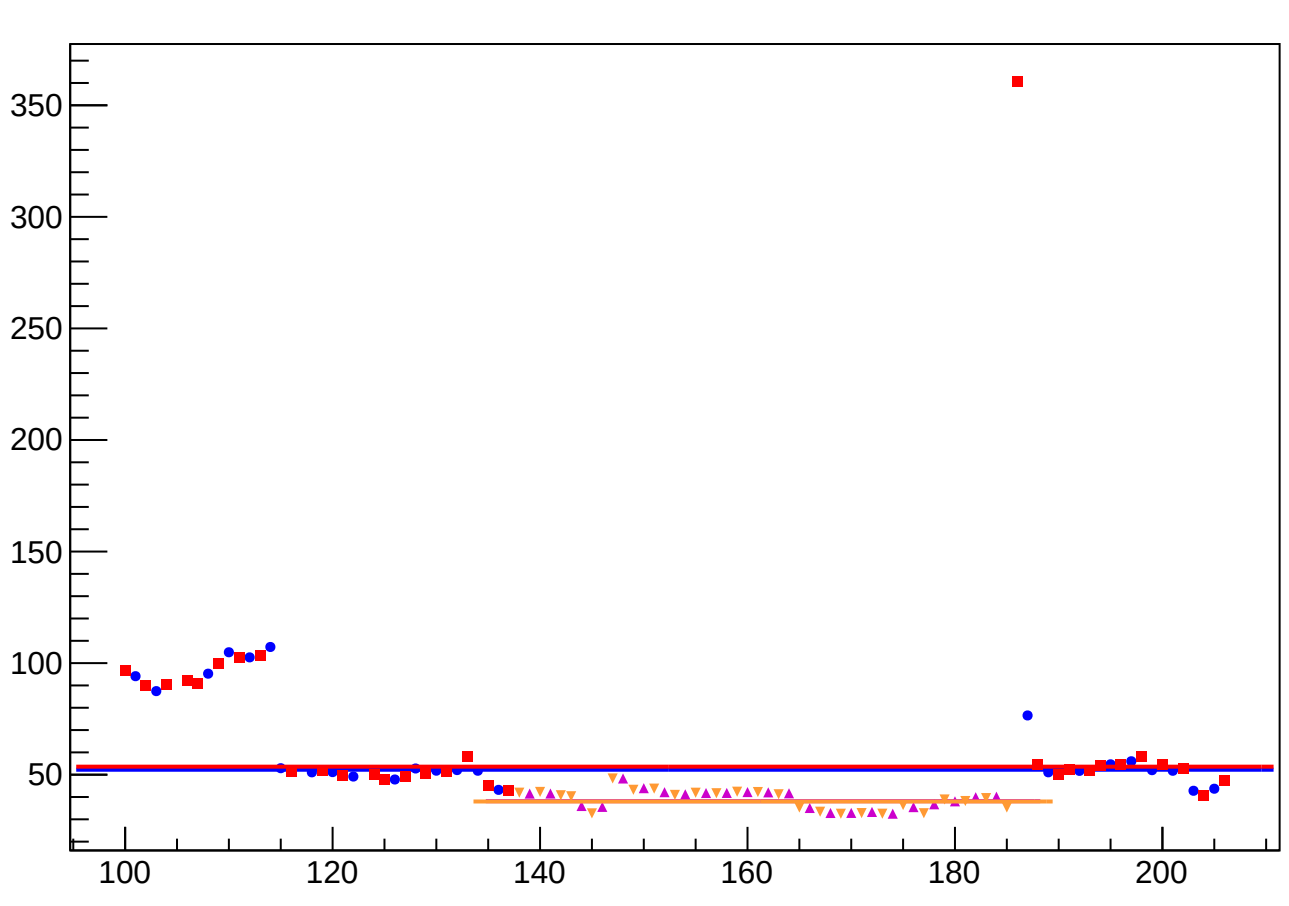
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -37.331+/-9.903 χ^2/NDF: 58.1/55

In: -14.807+/-7.603 χ^2/NDF:66.9/47

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.851+/-5.283 χ^2/NDF: 160.4/103



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

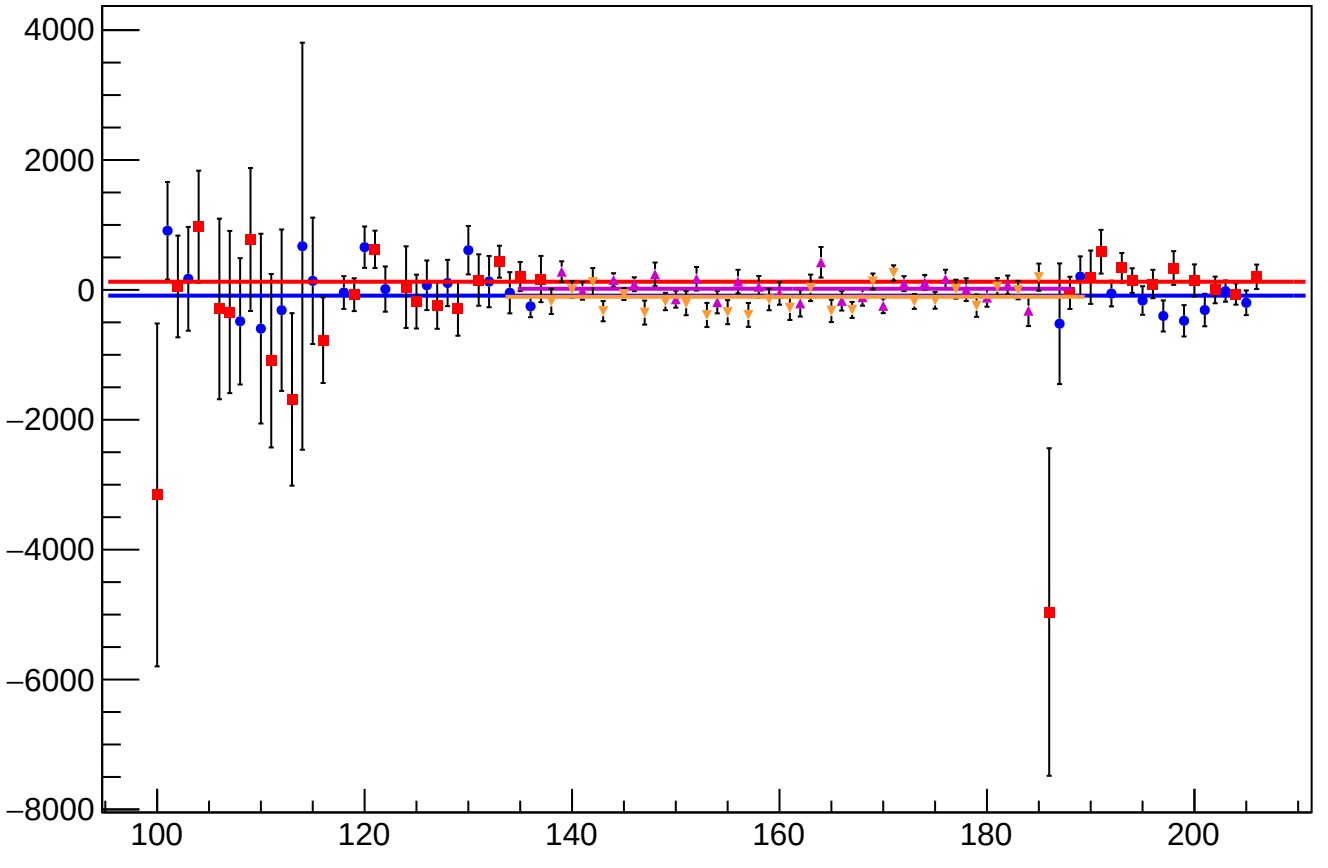
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.940+/-0.007 χ^2/NDF: 3559565.9/55

In: 42.109+/-0.005 χ^2/NDF:3210427.6/47

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.294+/-0.004 χ^2/NDF: 7732525.5/103



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 125.554+/-55.190 χ^2/NDF: 25.5/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

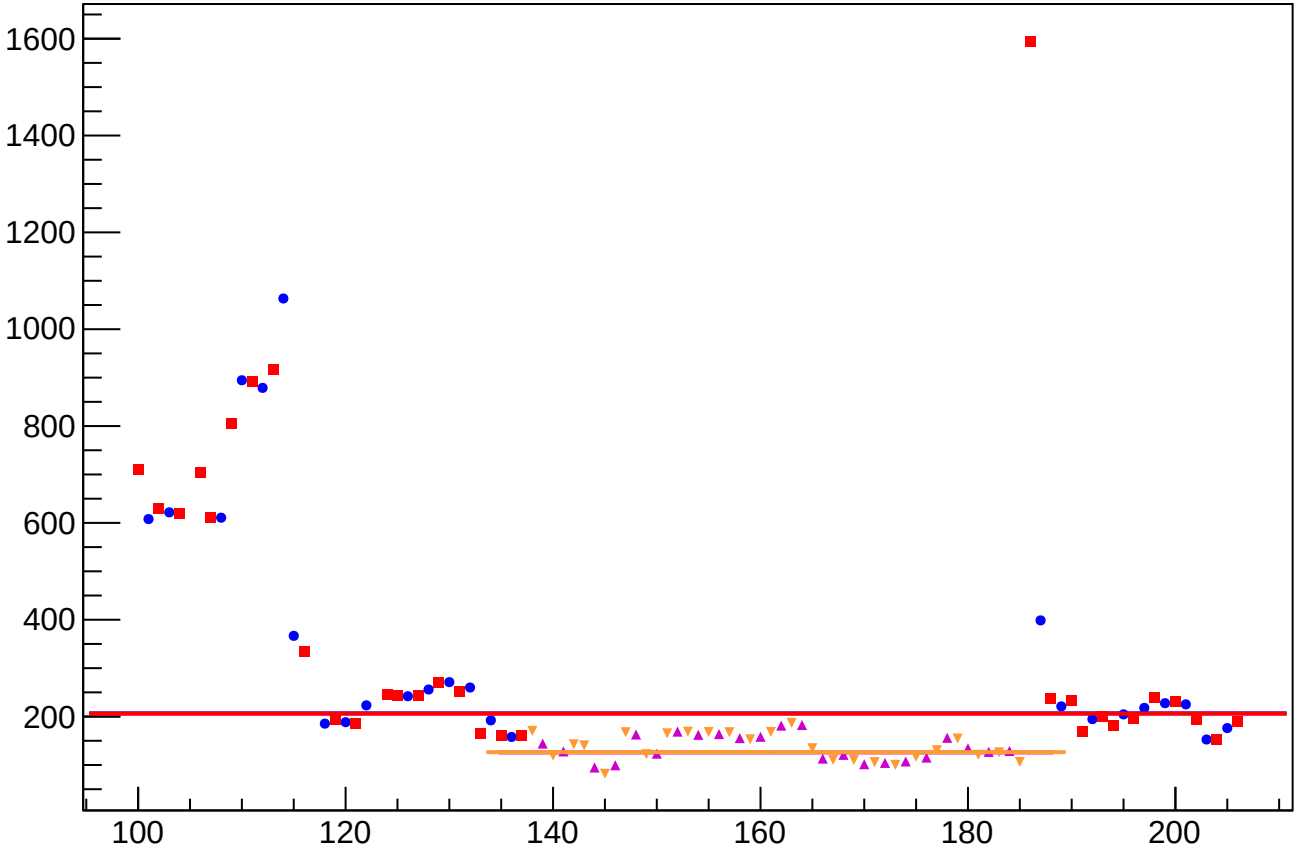
Right: 25.521+/-40.293 χ^2/NDF: 52.6/55

In: -4.530+/-26.869 χ^2/NDF:50.8/47

Out: -54.766+/-26.060 χ^2/NDF:76.9/55

All: -30.416+/-18.707 χ^2/NDF: 129.5/103

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

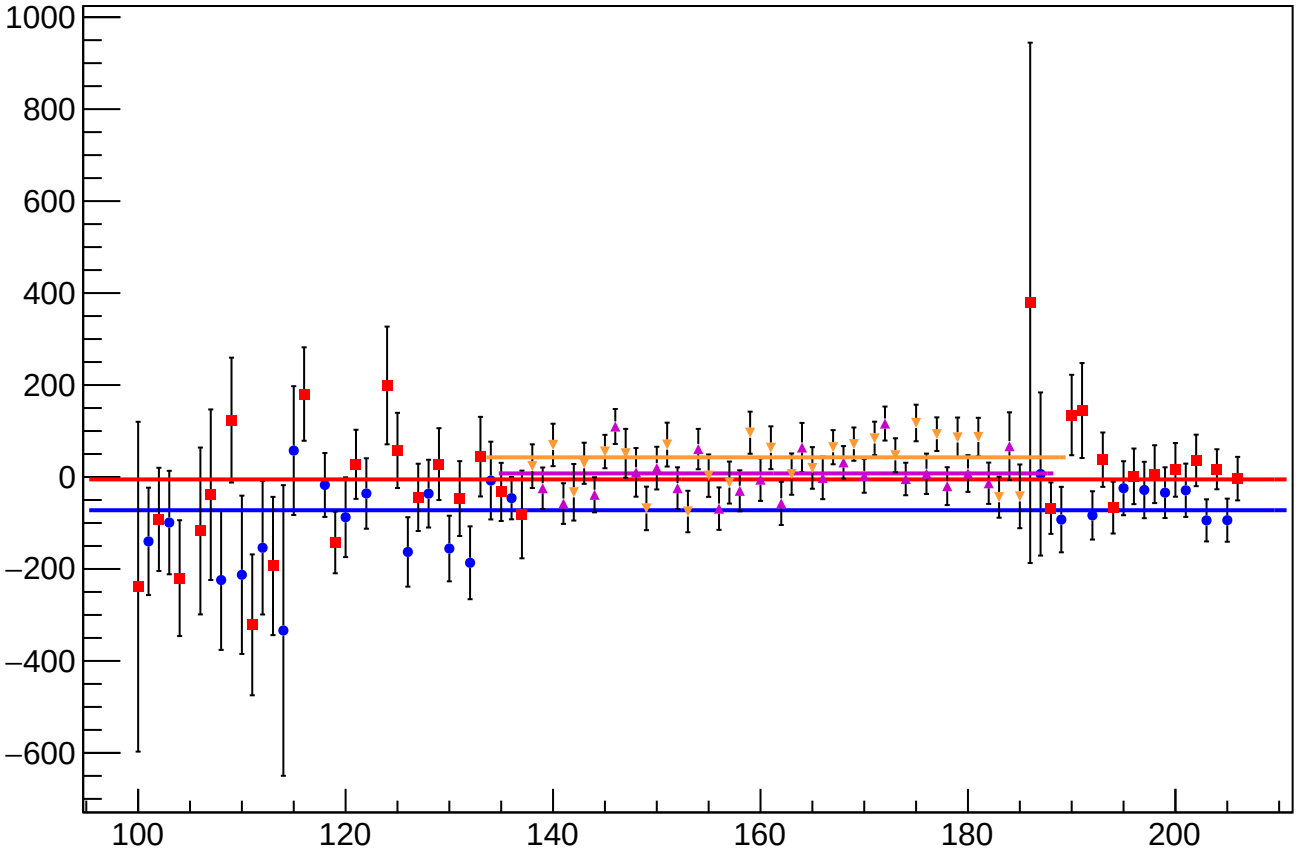
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.337+/-0.028 χ^2/NDF: 8096661.9/55

In: 142.759+/-0.019 χ^2/NDF:7809342.6/47

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 143.546+/-0.013 χ^2/NDF: 17457307.5/10



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.239+/-13.717 χ^2/NDF: 32.9/30

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

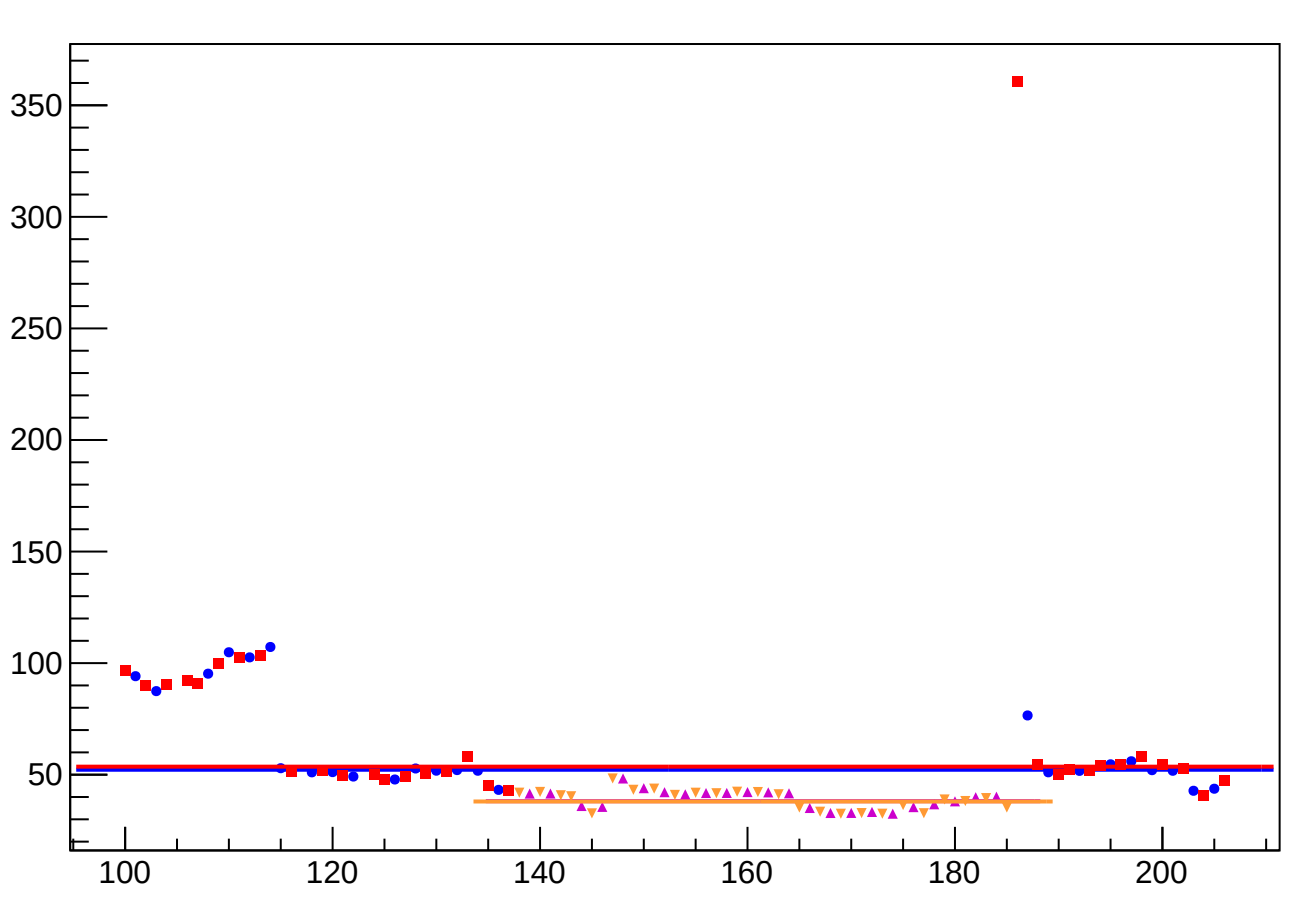
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -37.331+/-9.903 χ^2/NDF: 58.1/55

In: -14.807+/-7.603 χ^2/NDF:66.9/47

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.851+/-5.283 χ^2/NDF: 160.4/103



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

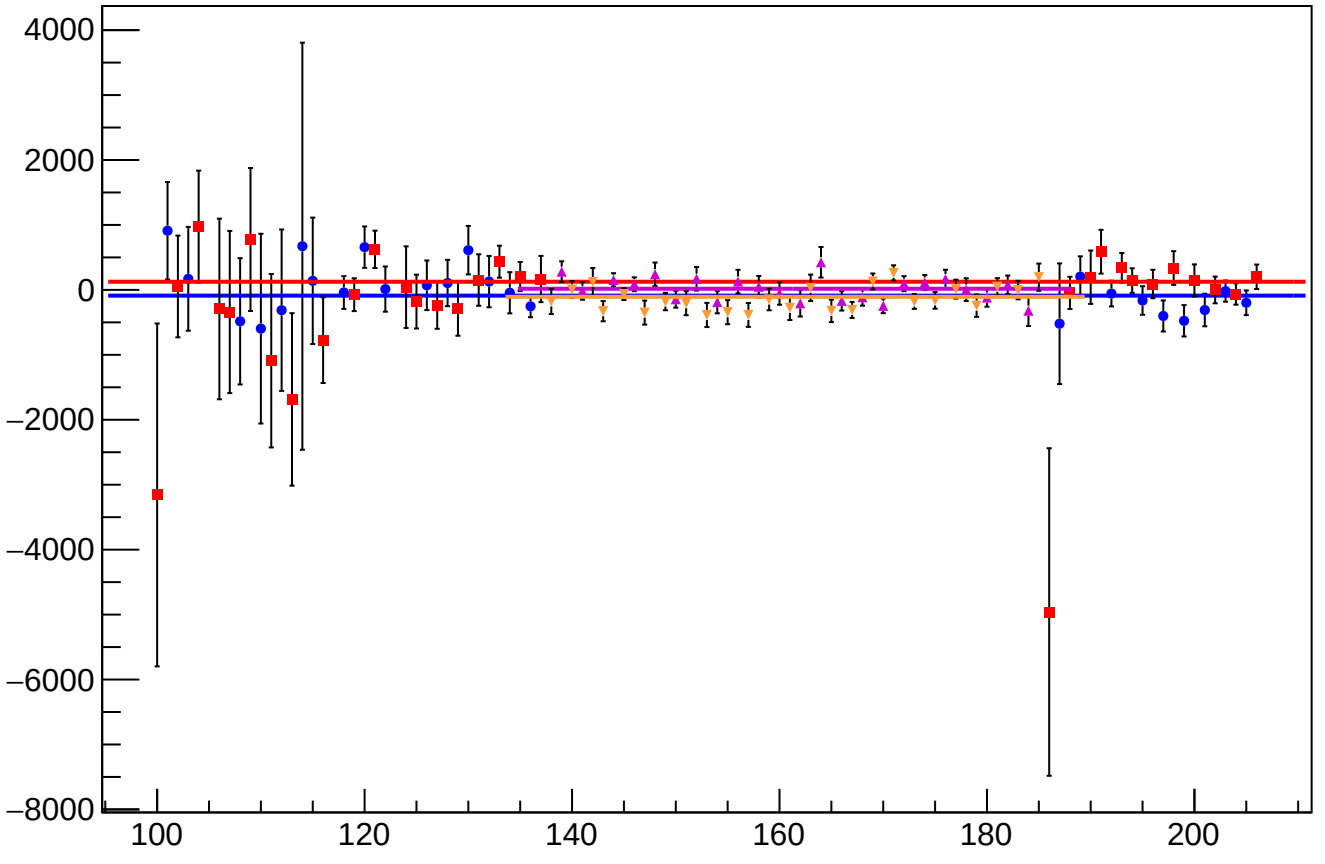
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.940+/-0.007 χ^2/NDF: 3559565.9/55

In: 42.109+/-0.005 χ^2/NDF:3210427.6/47

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.294+/-0.004 χ^2/NDF: 7732525.5/103



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 125.554+/-55.190 χ^2/NDF: 25.5/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

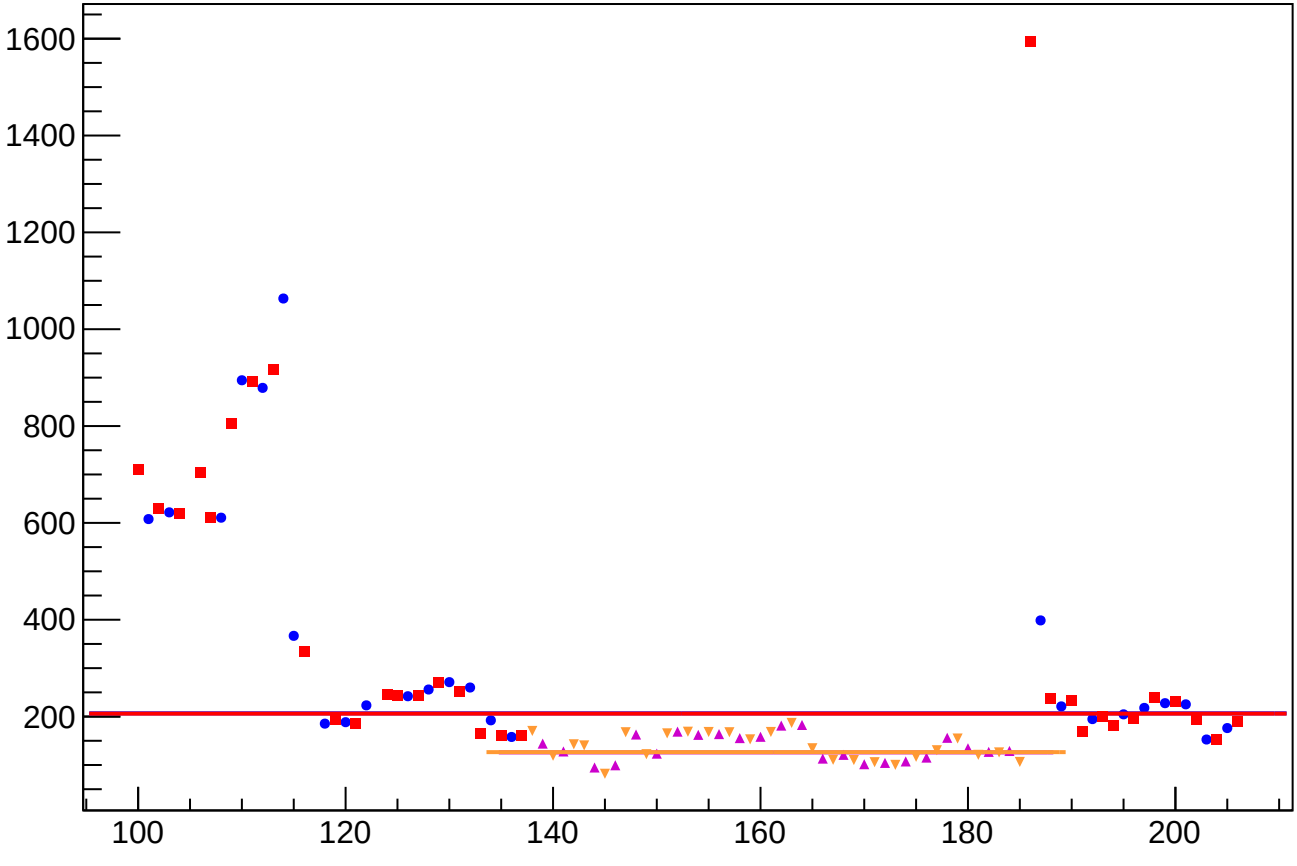
Right: 25.521+/-40.293 χ^2/NDF: 52.6/55

In: -4.530+/-26.869 χ^2/NDF:50.8/47

Out: -54.766+/-26.060 χ^2/NDF:76.9/55

All: -30.416+/-18.707 χ^2/NDF: 129.5/103

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

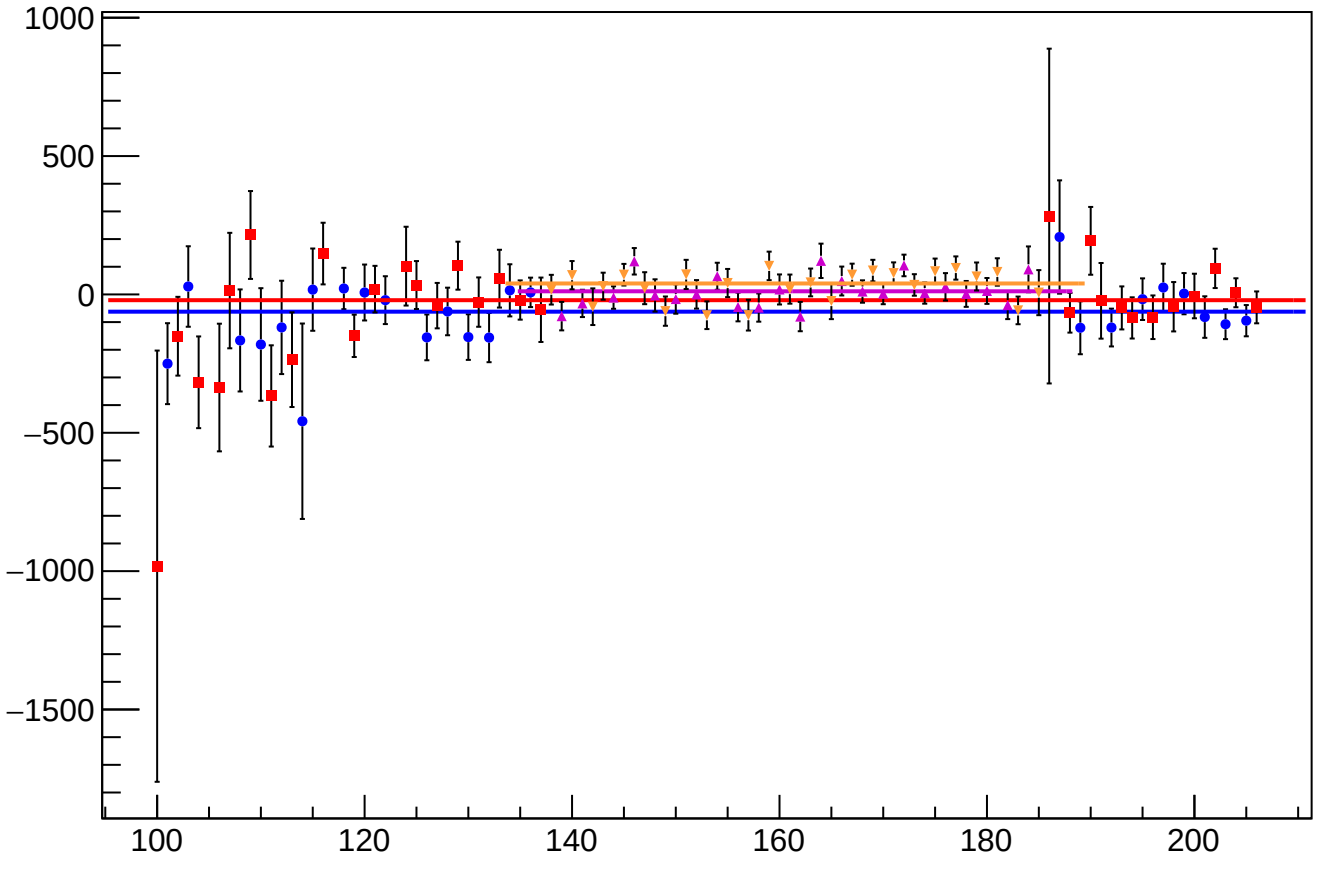
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.337+/-0.028 χ^2/NDF: 8096661.9/55

In: 142.759+/-0.019 χ^2/NDF:7809342.6/47

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 143.546+/-0.013 χ^2/NDF: 17457307.5/10



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -20.847+/-16.786 χ^2/NDF: 32.5/30

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

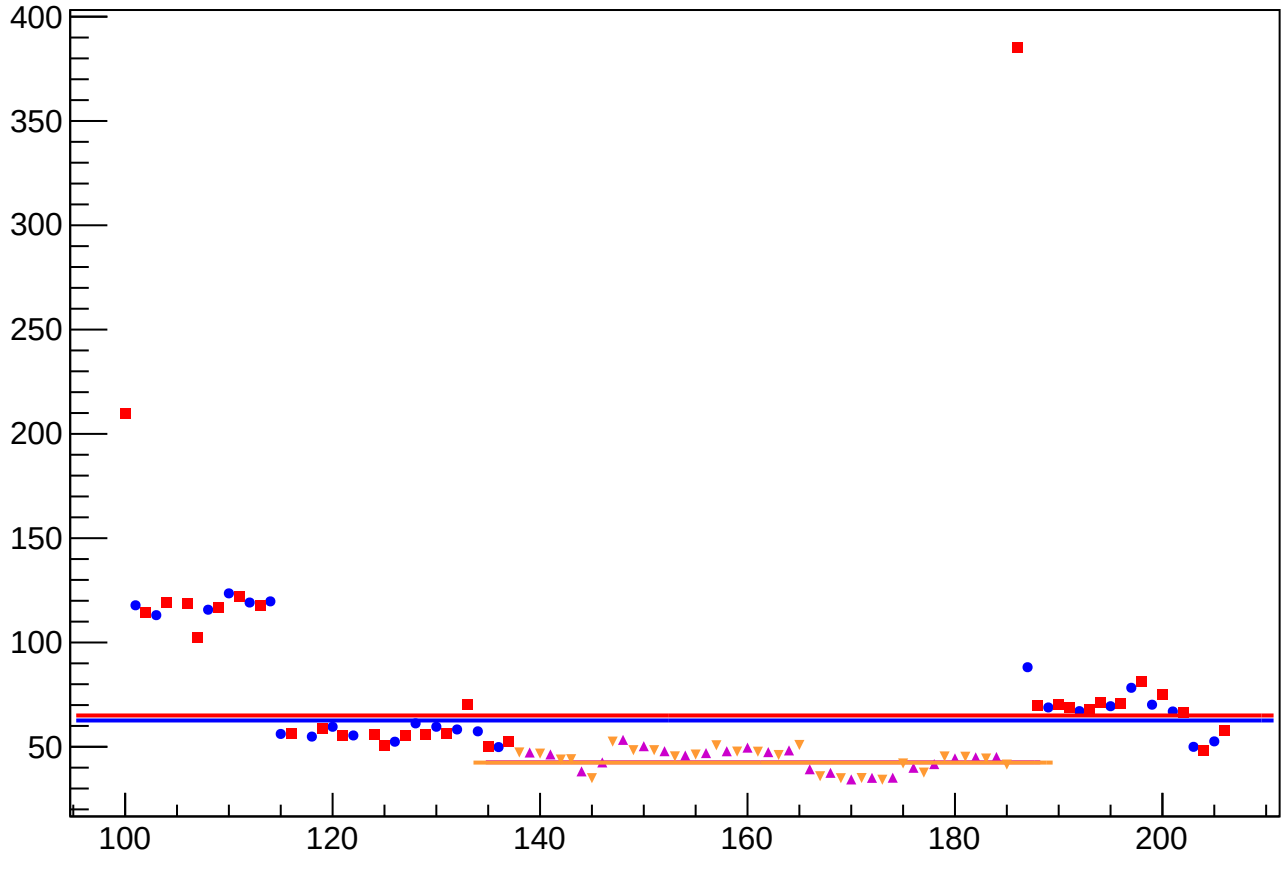
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.972+/-12.047 χ^2/NDF: 53.8/55

In: -7.353+/-8.708 χ^2/NDF:59.8/47

Out: 24.335+/-8.428 χ^2/NDF:71.8/55

All: 9.008+/-6.056 χ^2/NDF: 138.5/103



Right In: 62.614+/-0.012 χ^2/NDF: 1679047.7/24

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528158.1/30

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

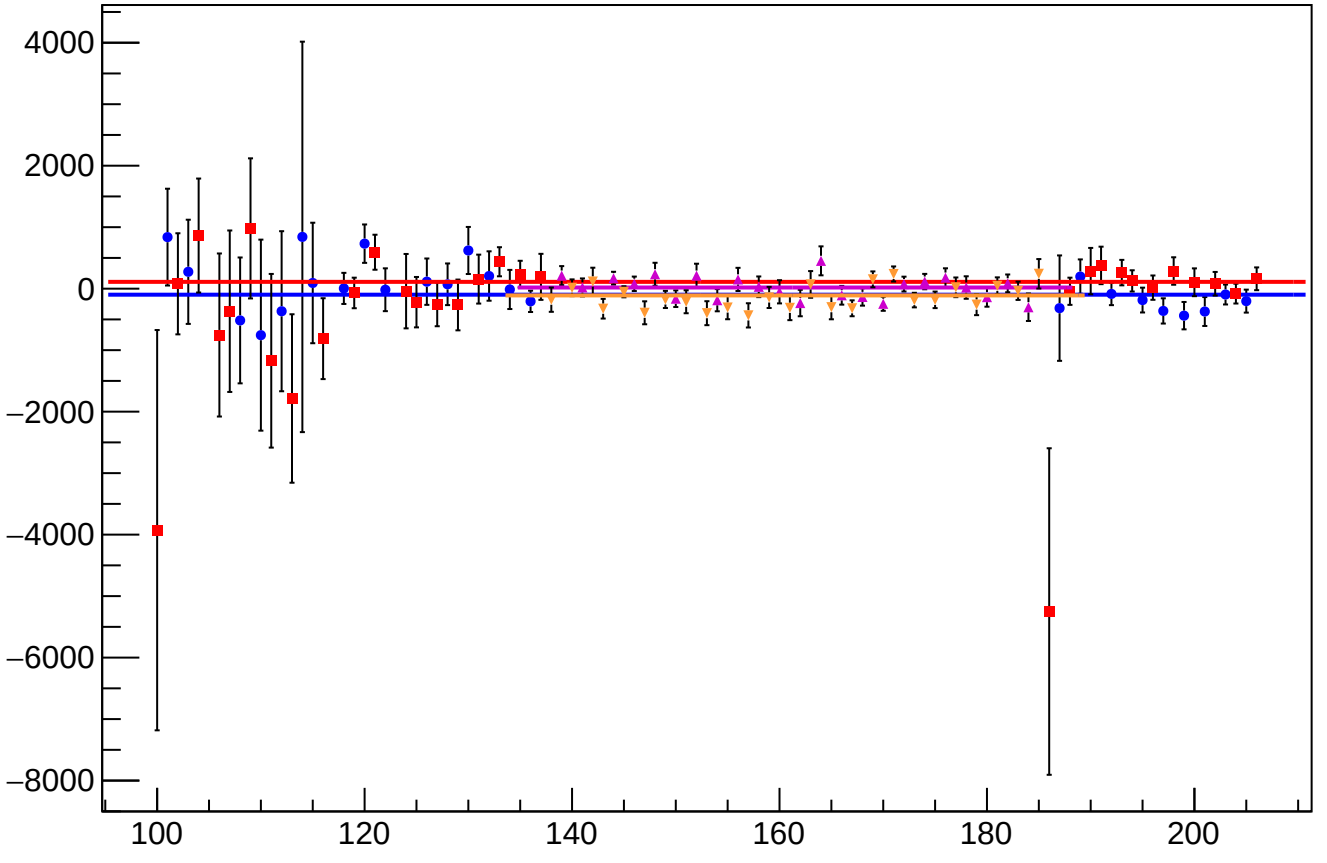
Right: 63.851+/-0.009 χ^2/NDF: 4227041.4/55

In: 47.654+/-0.006 χ^2/NDF:4271731.7/47

Out: 48.120+/-0.006 χ^2/NDF:5935634.0/55

All: 47.895+/-0.004 χ^2/NDF: 10210320.7/103

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 110.823+/-52.205 χ^2/NDF: 24.8/30

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

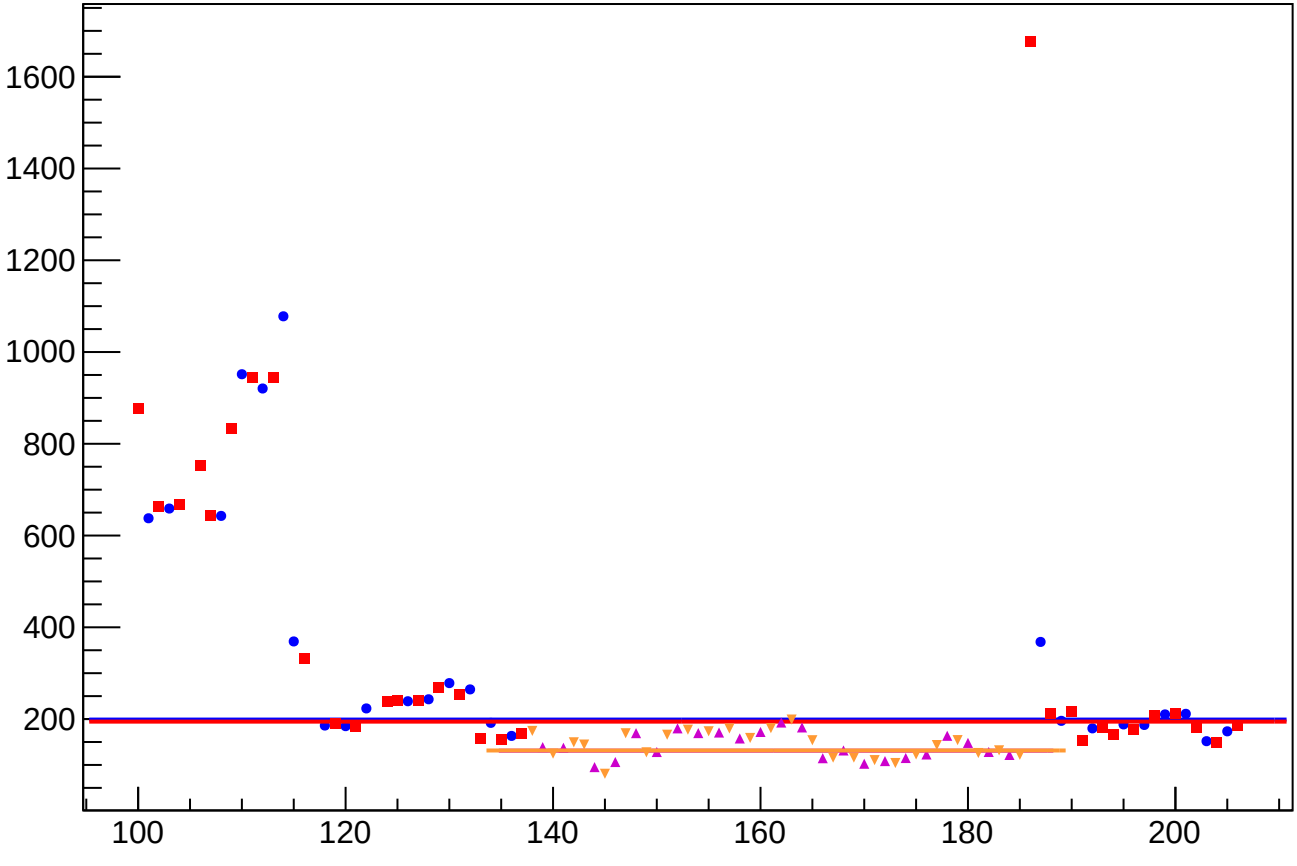
Right: 15.341+/-38.449 χ^2/NDF: 53.7/55

In: -8.547+/-27.536 χ^2/NDF:52.0/47

Out: -53.000+/-26.501 χ^2/NDF:74.3/55

All: -31.625+/-19.095 χ^2/NDF: 127.7/103

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 198.892+/-0.040 χ^2/NDF: 3515540.6/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966698.8/30

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

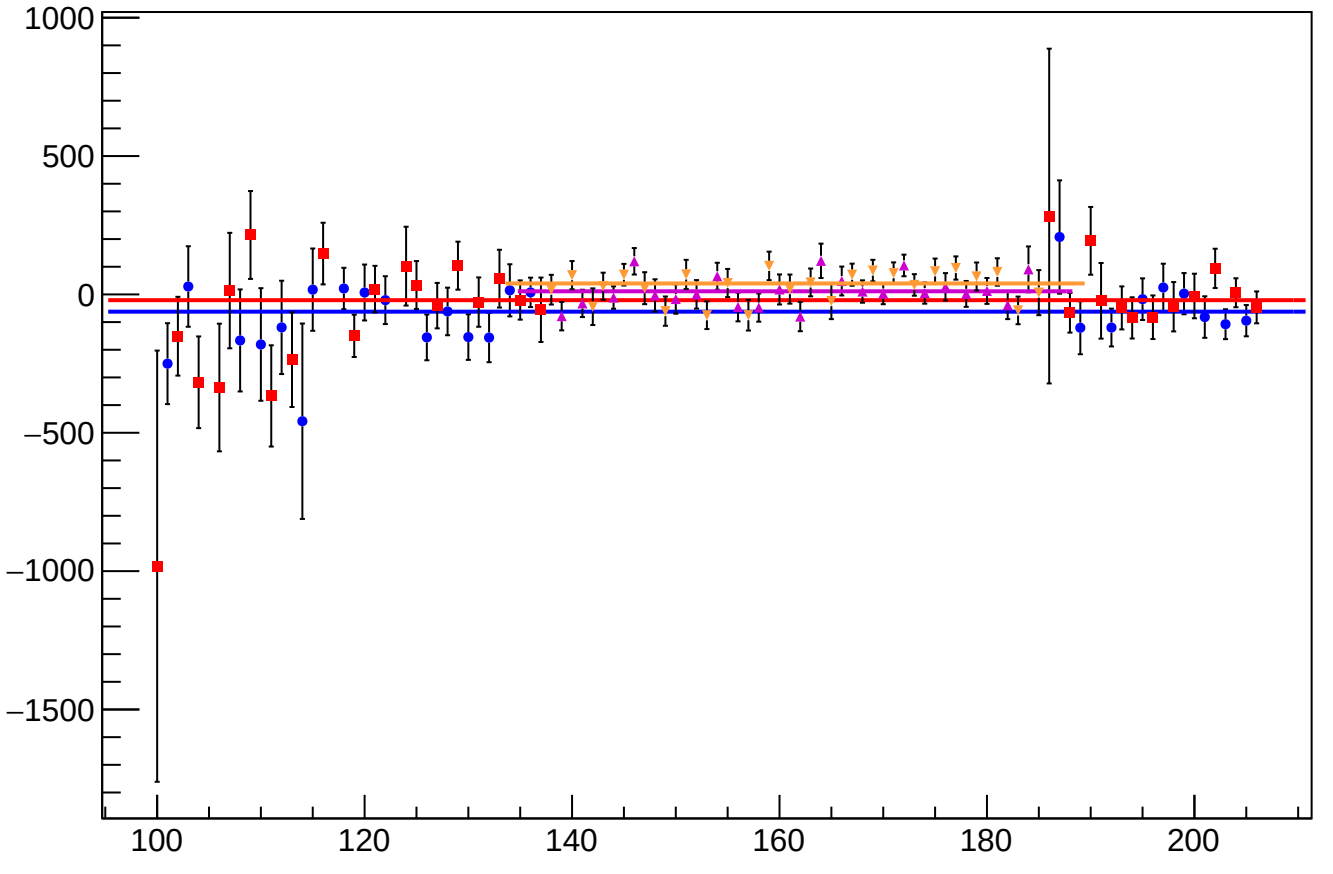
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 196.460+/-0.027 χ^2/NDF: 8488986.4/55

In: 146.990+/-0.019 χ^2/NDF:7162281.5/47

Out: 147.722+/-0.019 χ^2/NDF:9024478.7/55

All: 147.370+/-0.014 χ^2/NDF: 16187493.9/10



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -20.848+/-16.786 χ^2/NDF: 32.5/30

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

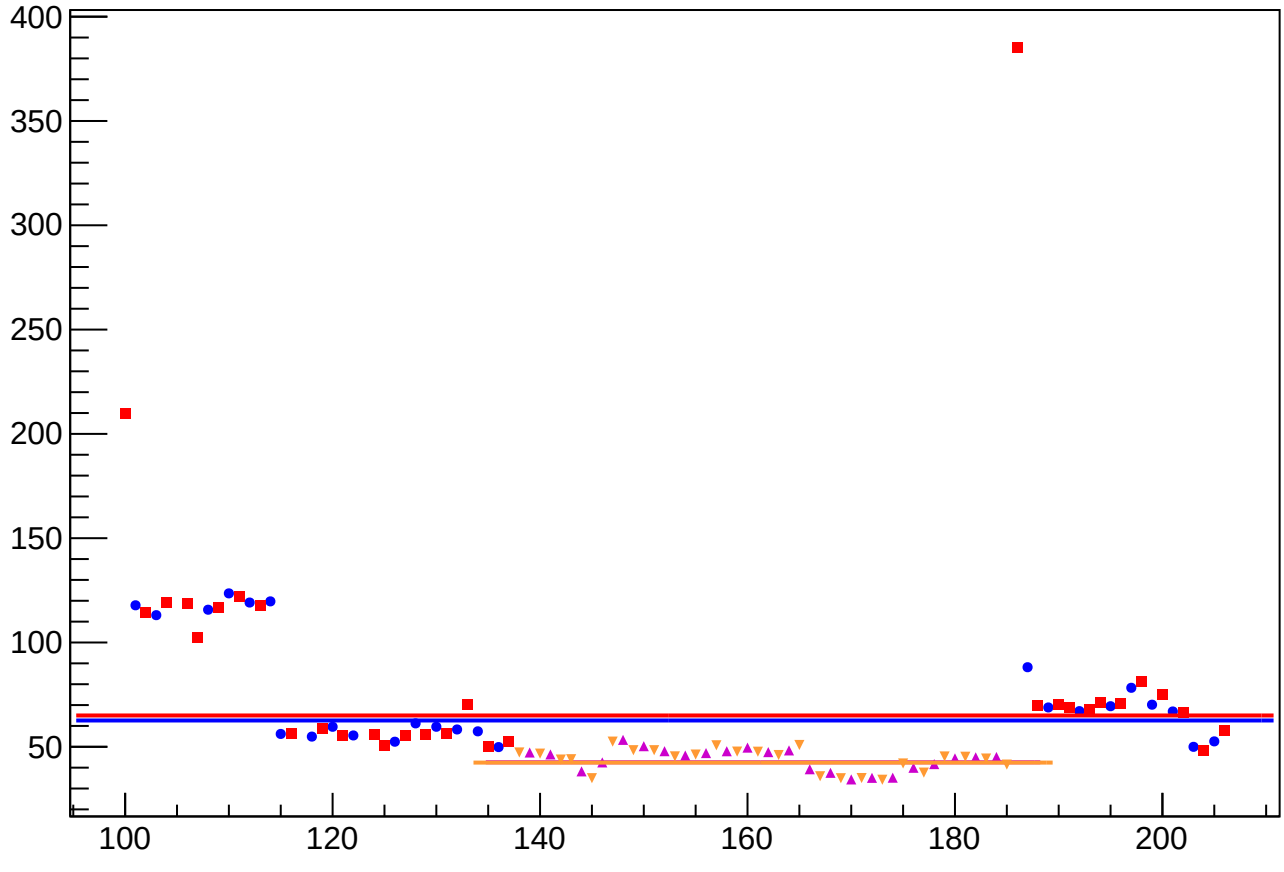
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.972+/-12.047 χ^2/NDF: 53.8/55

In: -7.353+/-8.708 χ^2/NDF:59.8/47

Out: 24.336+/-8.428 χ^2/NDF:71.8/55

All: 9.009+/-6.056 χ^2/NDF: 138.4/103



Right In: 62.614+/-0.012 χ^2/NDF: 1679037.3/24

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528133.8/30

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

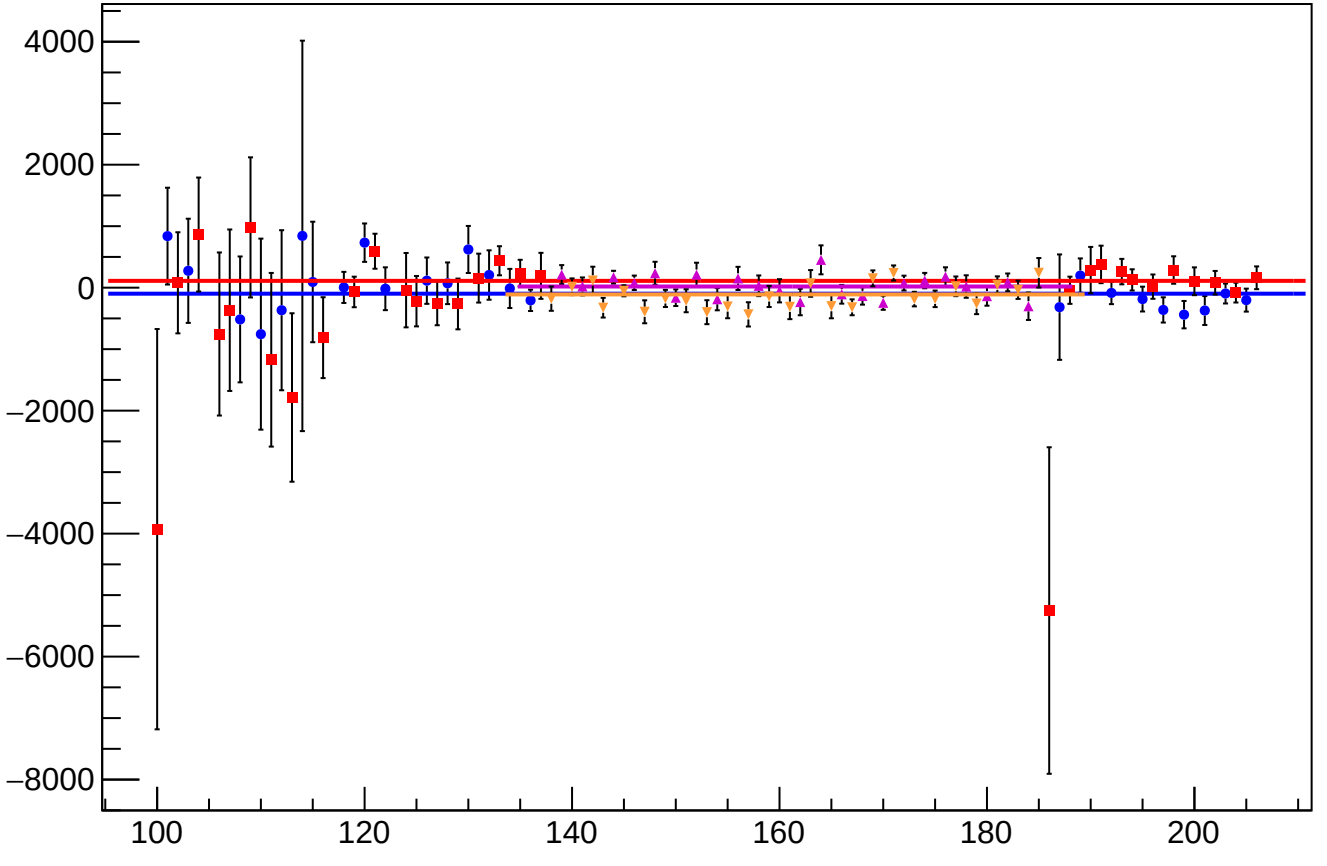
Right: 63.851+/-0.009 χ^2/NDF: 4227011.1/55

In: 47.655+/-0.006 χ^2/NDF:4271714.4/47

Out: 48.120+/-0.006 χ^2/NDF:5935682.9/55

All: 47.895+/-0.004 χ^2/NDF: 10210351.7/103

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 110.822+/-52.205 χ^2/NDF: 24.8/30

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

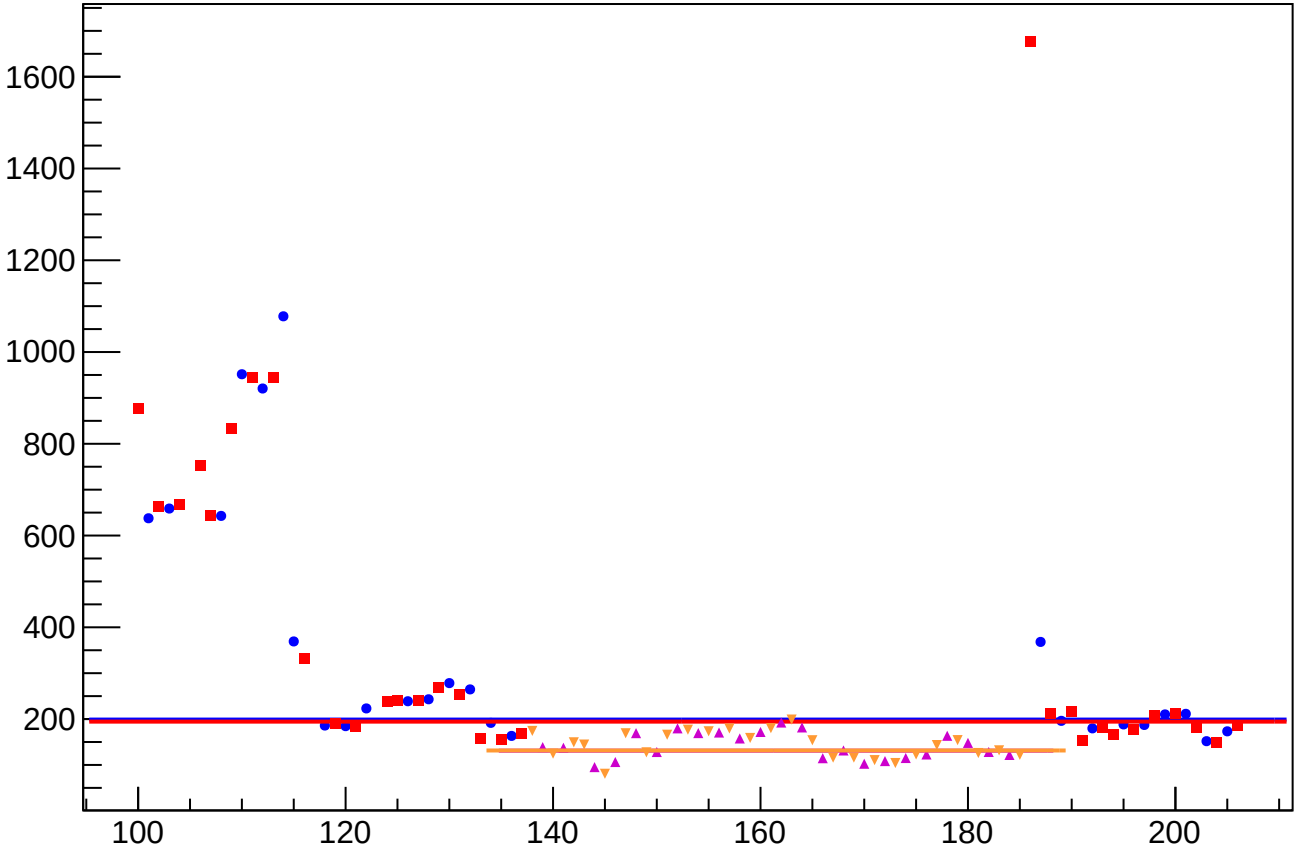
Right: 15.341+/-38.449 χ^2/NDF: 53.7/55

In: -8.547+/-27.536 χ^2/NDF:52.0/47

Out: -52.999+/-26.501 χ^2/NDF:74.3/55

All: -31.625+/-19.095 χ^2/NDF: 127.7/103

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 198.891+/-0.040 χ^2/NDF: 3515532.1/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966700.4/30

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

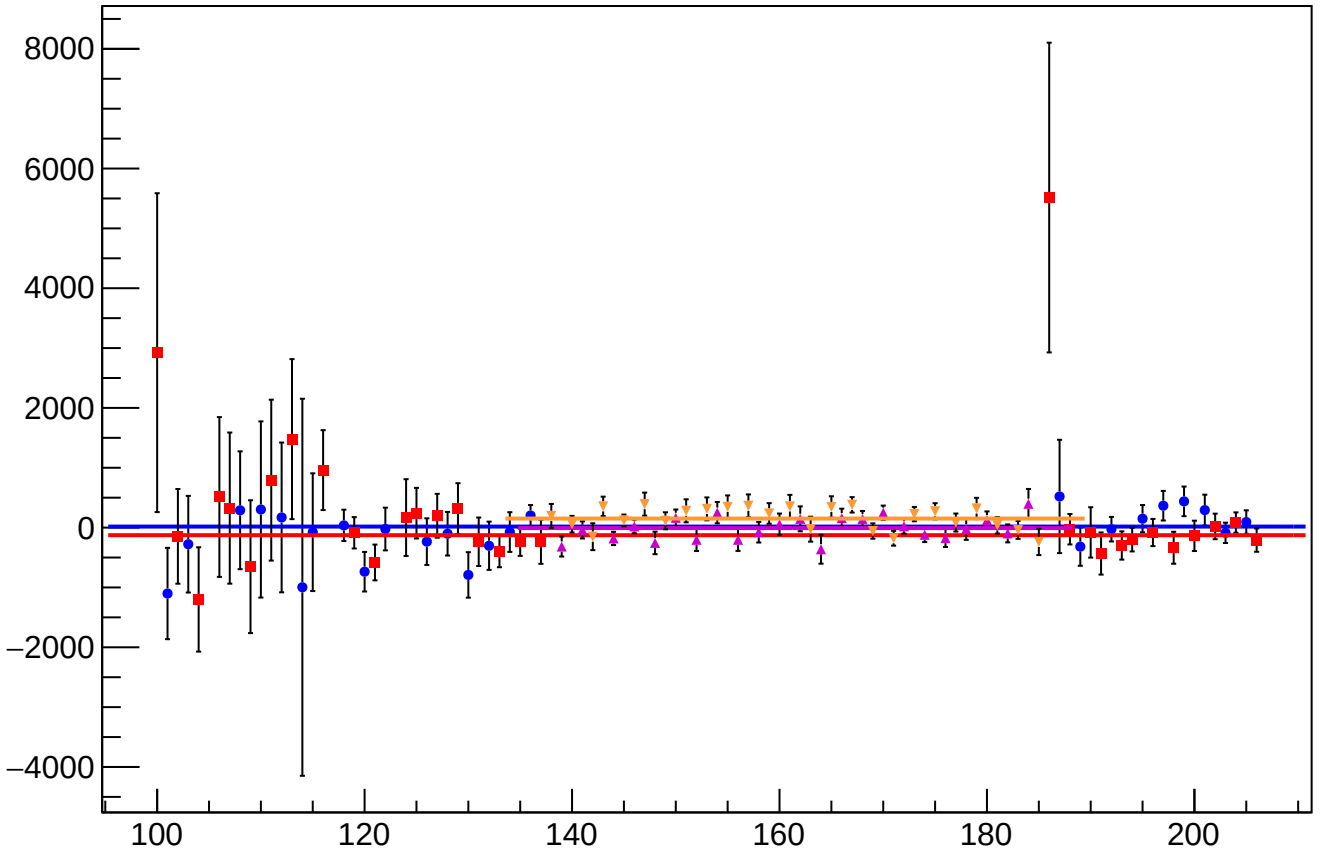
Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

Right: 196.460+/-0.027 χ^2/NDF: 8488980.0/55

In: 146.990+/-0.019 χ^2/NDF:7162237.8/47

Out: 147.722+/-0.019 χ^2/NDF:9024419.8/55

All: 147.370+/-0.014 χ^2/NDF: 16187391.2/10



Right In: 17.150+/-60.894 χ^2/NDF: 22.9/24

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -126.806+/-57.116 χ^2/NDF: 23.9/30

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

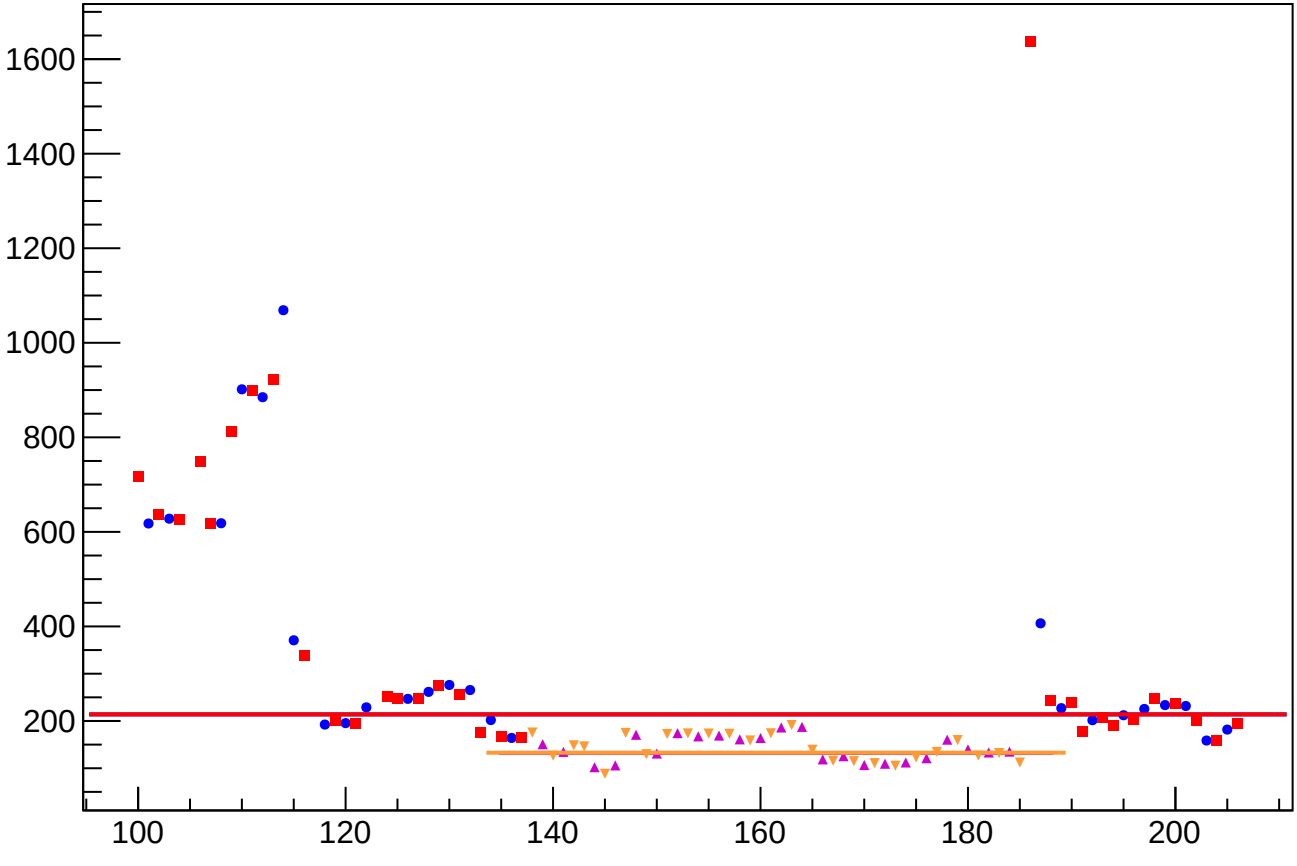
Right: -59.432+/-41.659 χ^2/NDF: 49.8/55

In: -2.612+/-28.063 χ^2/NDF:52.5/47

Out: 88.021+/-27.213 χ^2/NDF:75.2/55

All: 44.098+/-19.536 χ^2/NDF: 133.1/103

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 213.886+/-0.043 χ^2/NDF: 3342053.1/24

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 213.976+/-0.040 χ^2/NDF: 4610441.7/30

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

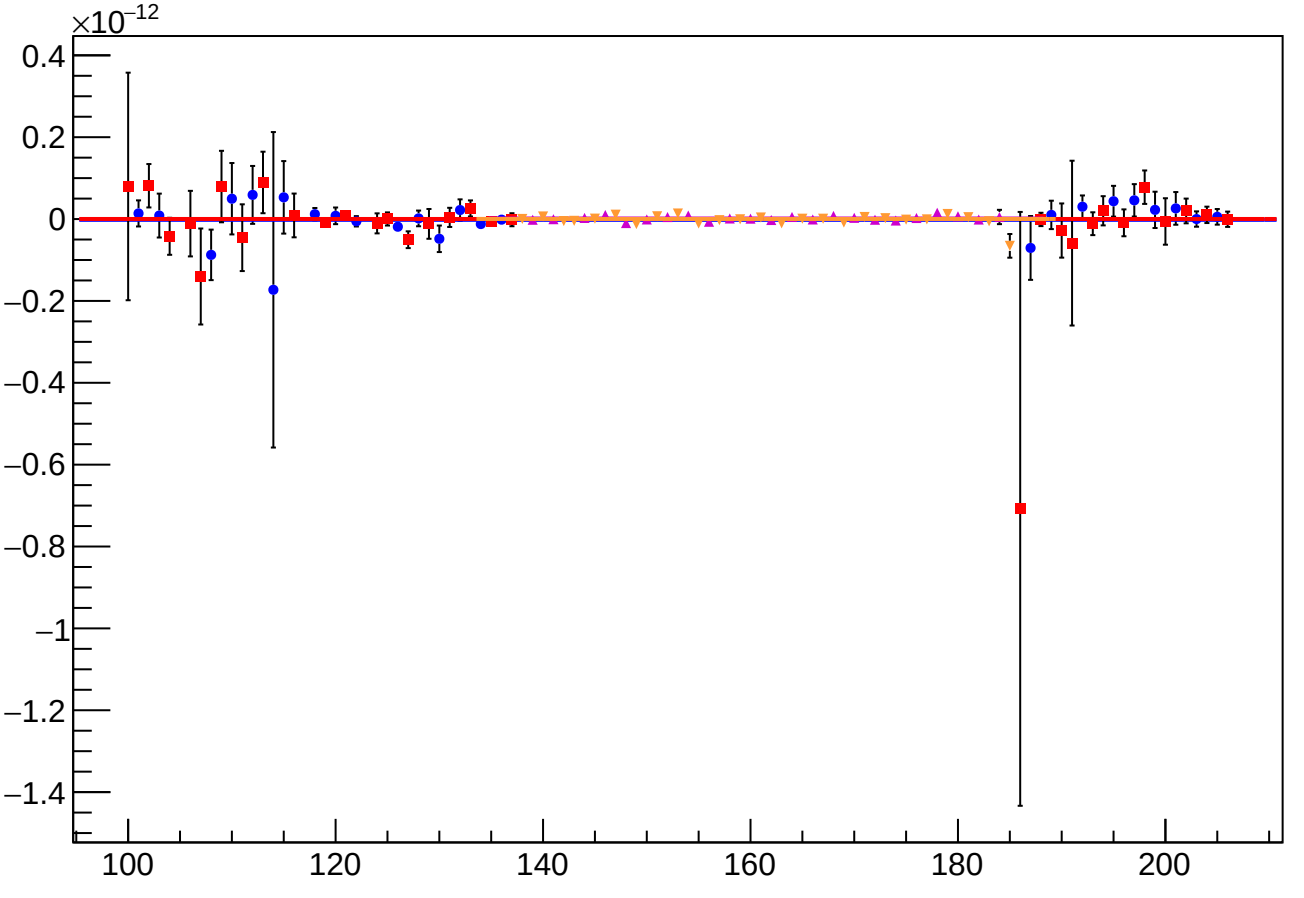
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 213.934+/-0.029 χ^2/NDF: 7952497.1/55

In: 149.660+/-0.020 χ^2/NDF:7444579.6/47

Out: 151.286+/-0.019 χ^2/NDF:9319733.1/55

All: 150.498+/-0.014 χ^2/NDF: 16767769.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/30

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

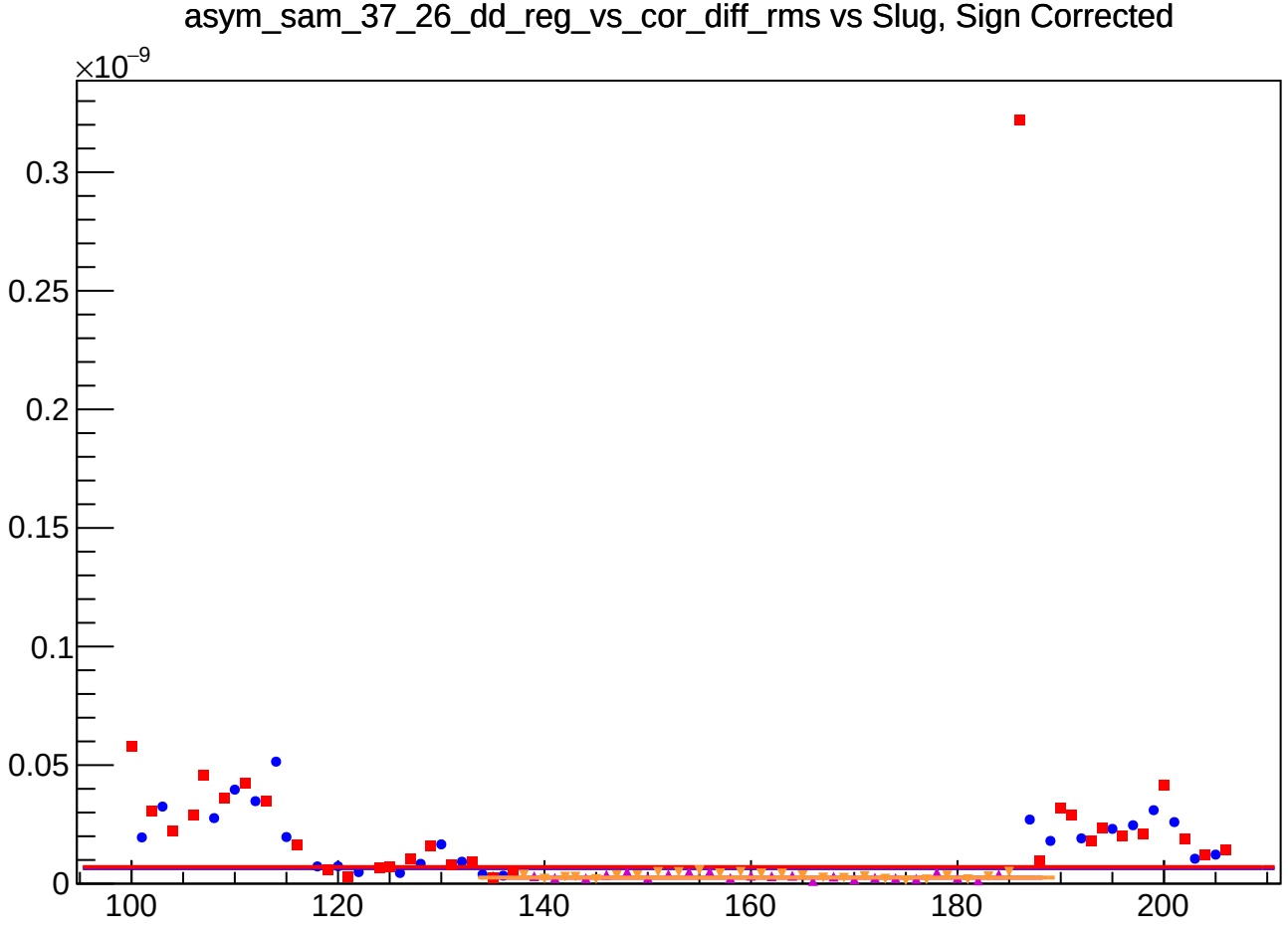
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/55

In: 0.000+/-0.000 χ^2/NDF:33.5/47

Out: 0.000+/-0.000 χ^2/NDF:56.4/55

All: 0.000+/-0.000 χ^2/NDF: 90.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 5836189.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235371.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

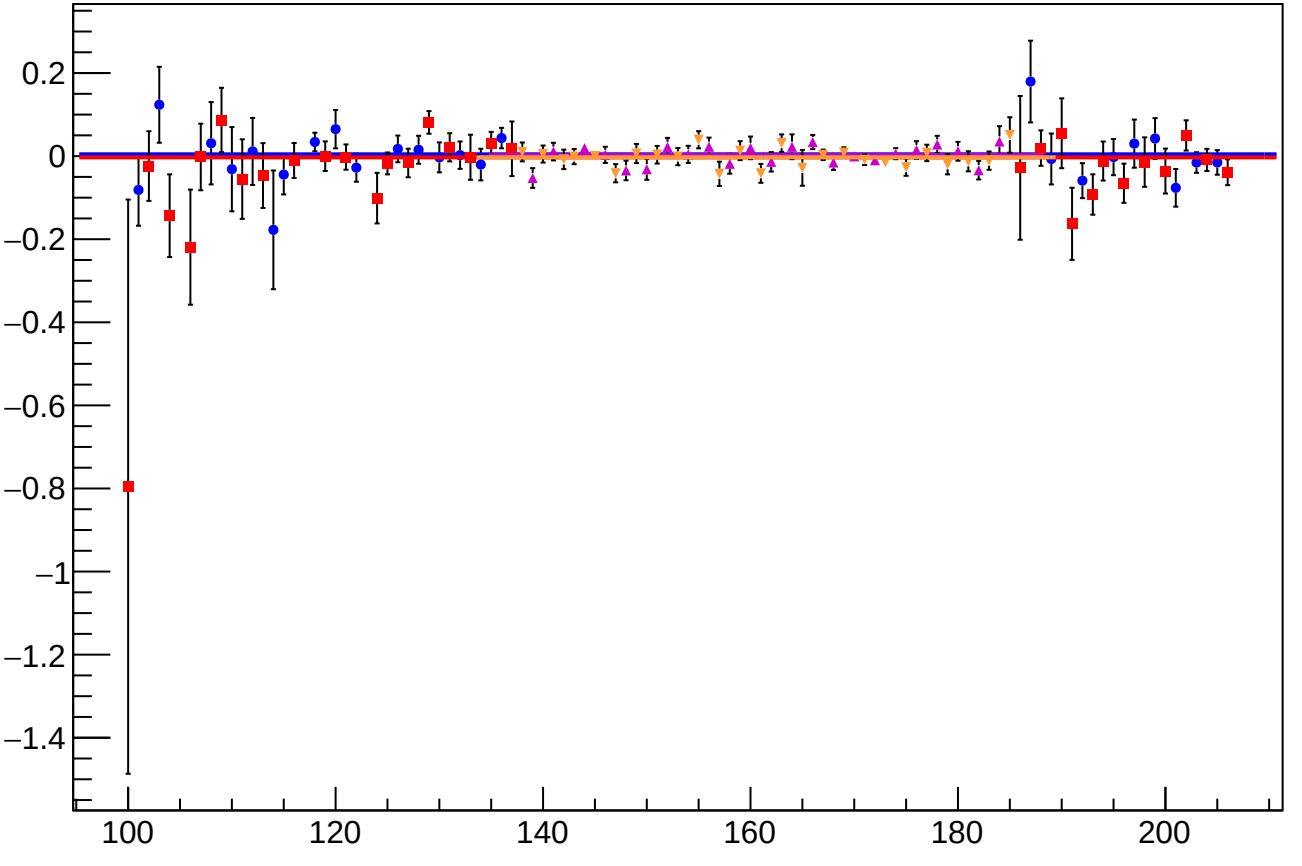
Right: 0.000+/-0.000 χ^2/NDF: 13087360.0/55

In: 0.000+/-0.000 χ^2/NDF:9884036.3/47

Out: 0.000+/-0.000 χ^2/NDF:12241333.8/55

All: 0.000+/-0.000 χ^2/NDF: 22126851.0/103

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

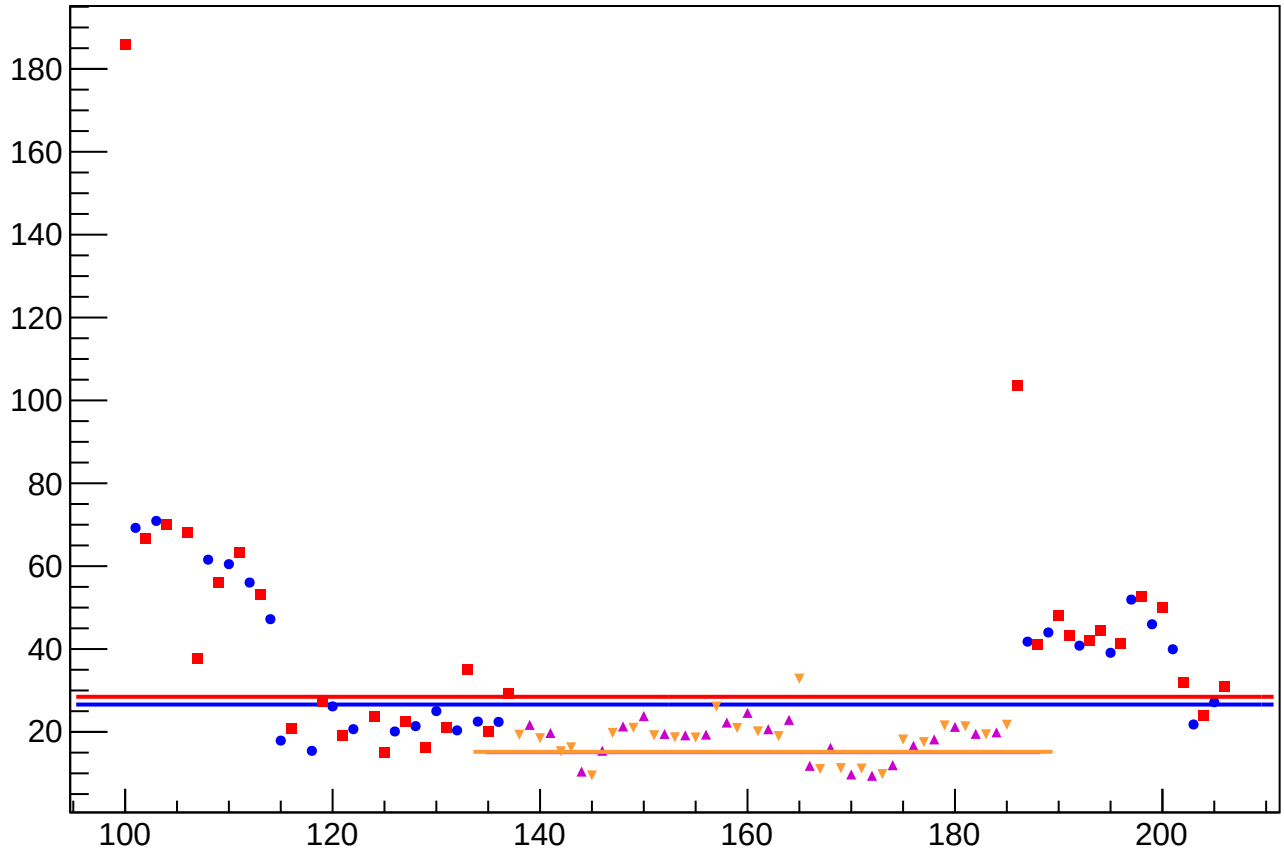
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.001+/-0.006 χ^2/NDF: 59.7/55

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: -0.000+/-0.002 χ^2/NDF: 110.2/103



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

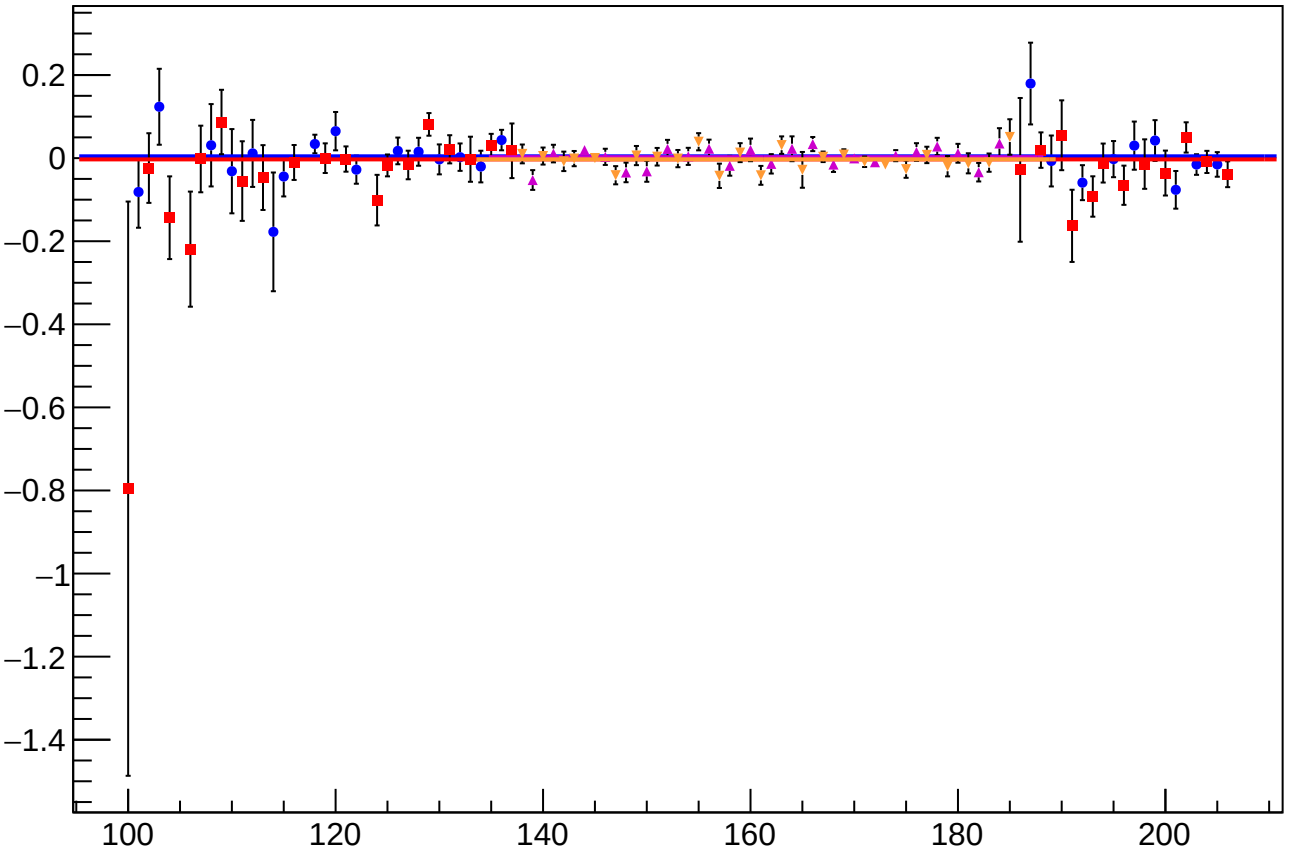
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.544+/-0.004 χ^2/NDF: 9568093.9/55

In: 17.267+/-0.002 χ^2/NDF:10976507.1/47

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.426+/-0.002 χ^2/NDF: 24335410.1/103



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

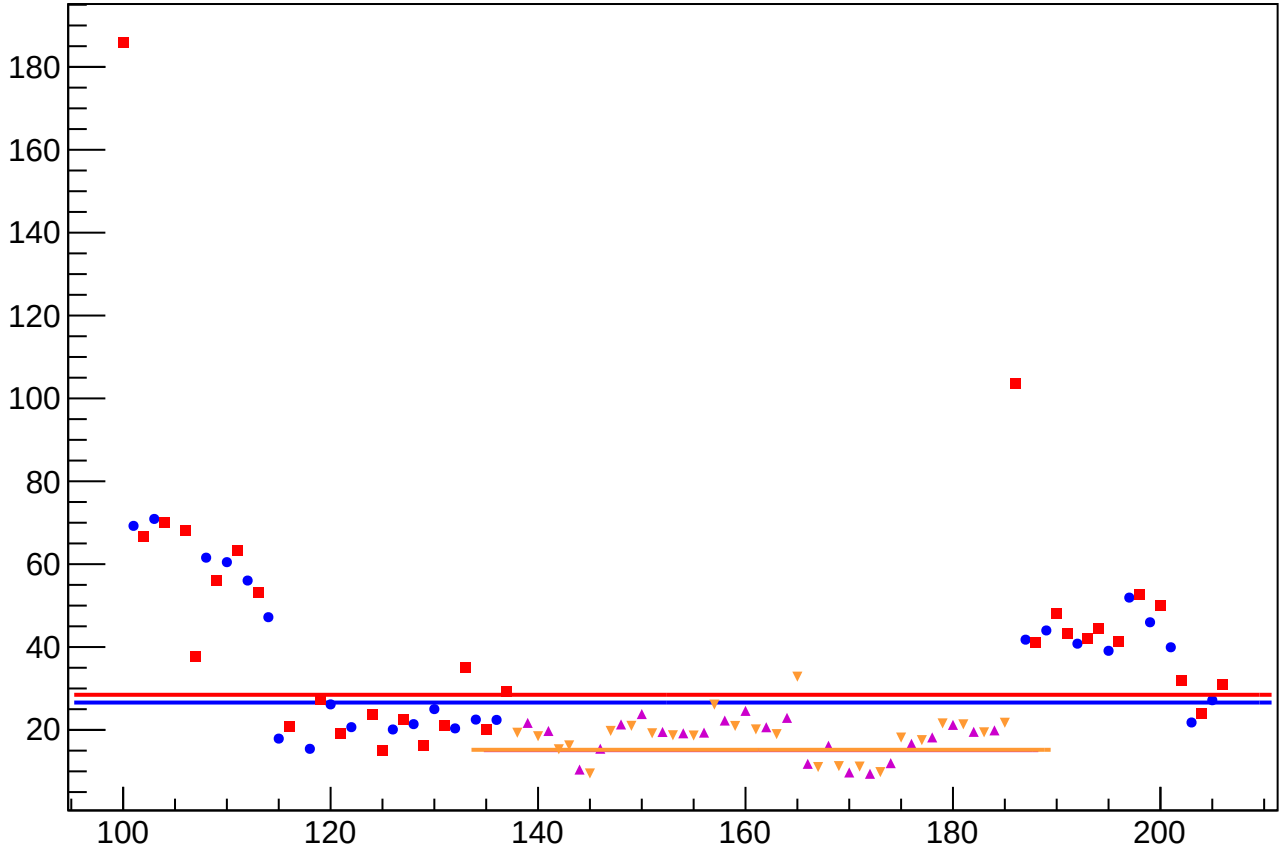
Right: 0.001+/-0.006 χ^2/NDF: 59.7/55

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: -0.000+/-0.002 χ^2/NDF: 110.2/103

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

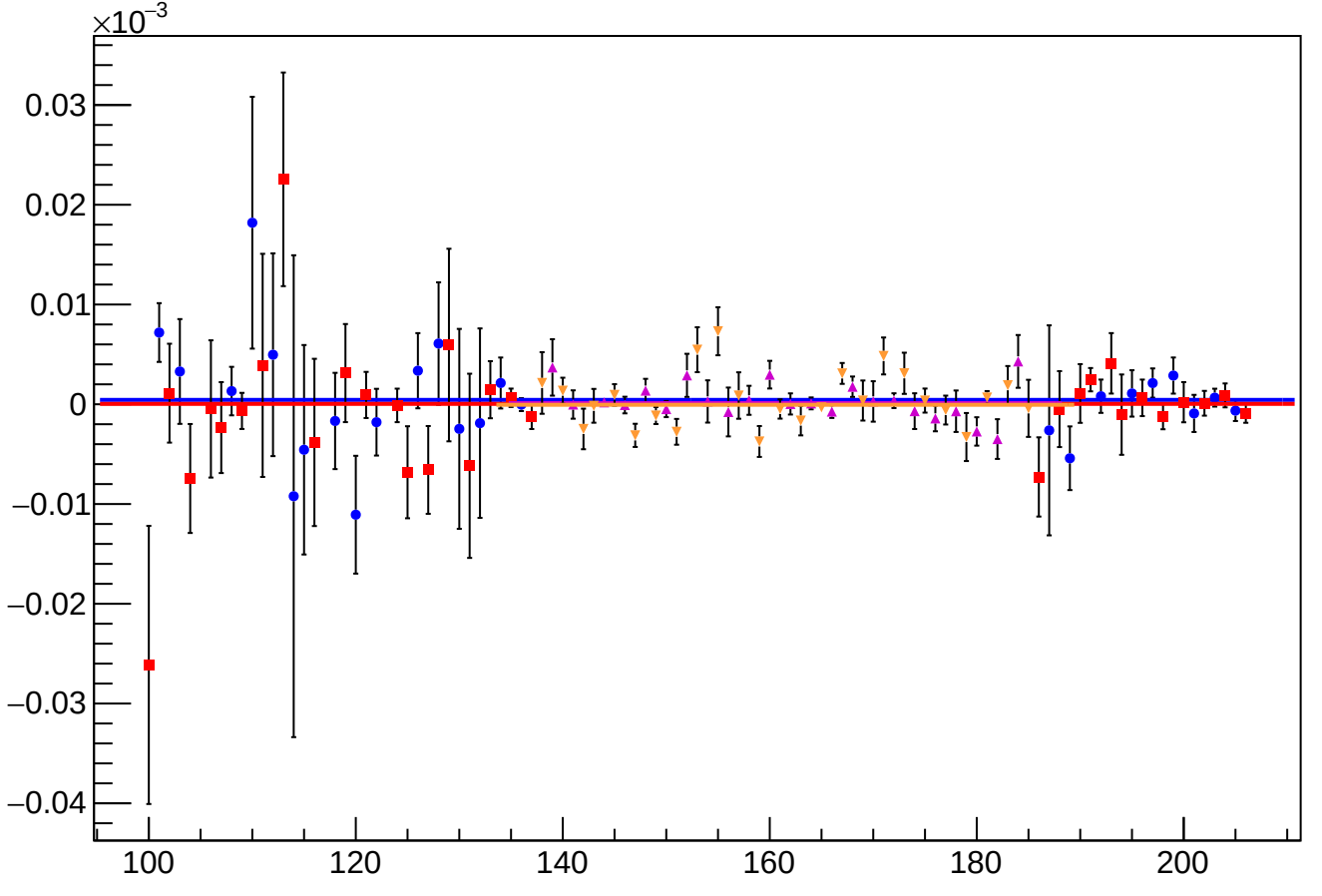
Right: 27.544+/-0.004 χ^2/NDF: 9568093.9/55

In: 17.267+/-0.002 χ^2/NDF:10976507.1/47

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.426+/-0.002 χ^2/NDF: 24335410.1/103

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

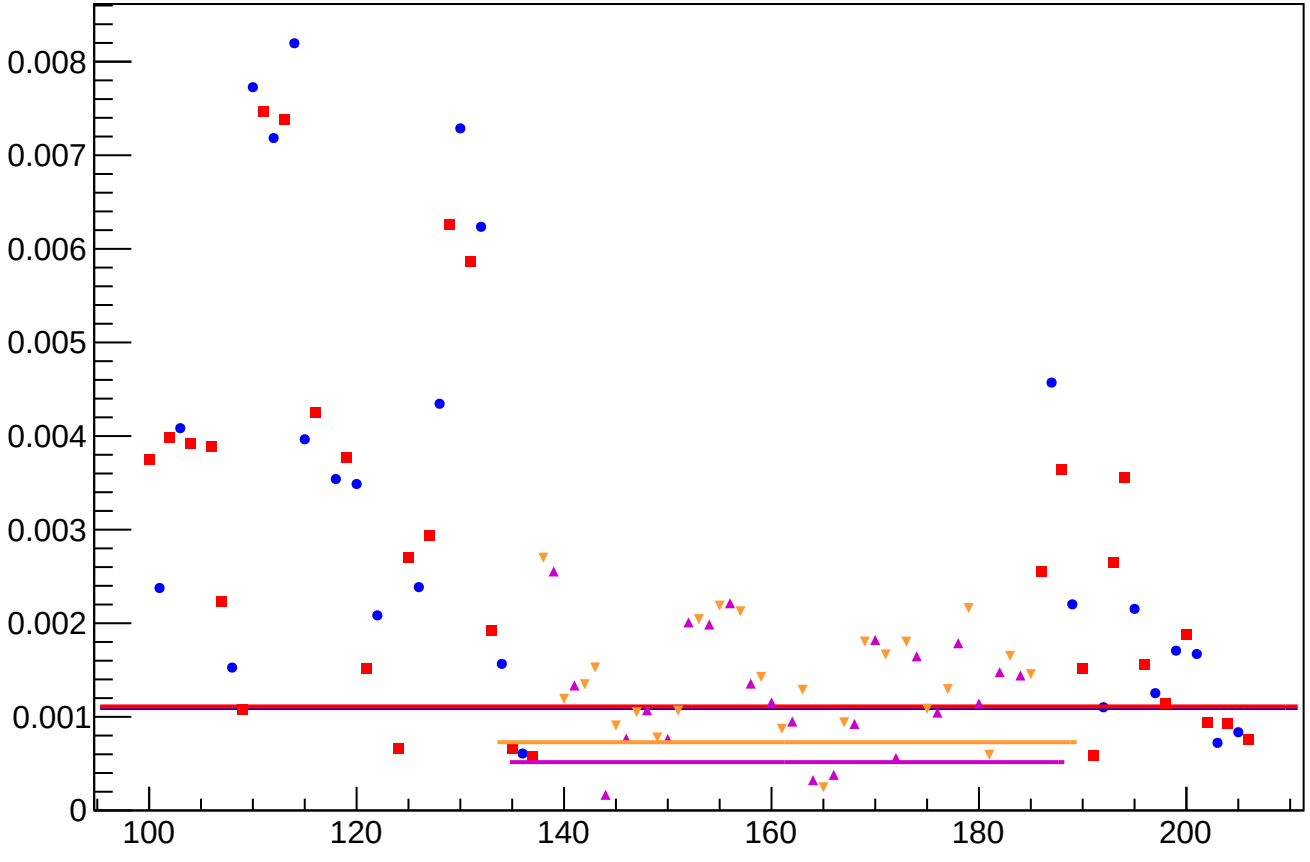
Right: 0.000+/-0.000 χ^2/NDF: 54.7/55

In: 0.000+/-0.000 χ^2/NDF:49.7/47

Out: -0.000+/-0.000 χ^2/NDF:93.3/55

All: 0.000+/-0.000 χ^2/NDF: 143.7/103

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8834936.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10399281.3/30

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

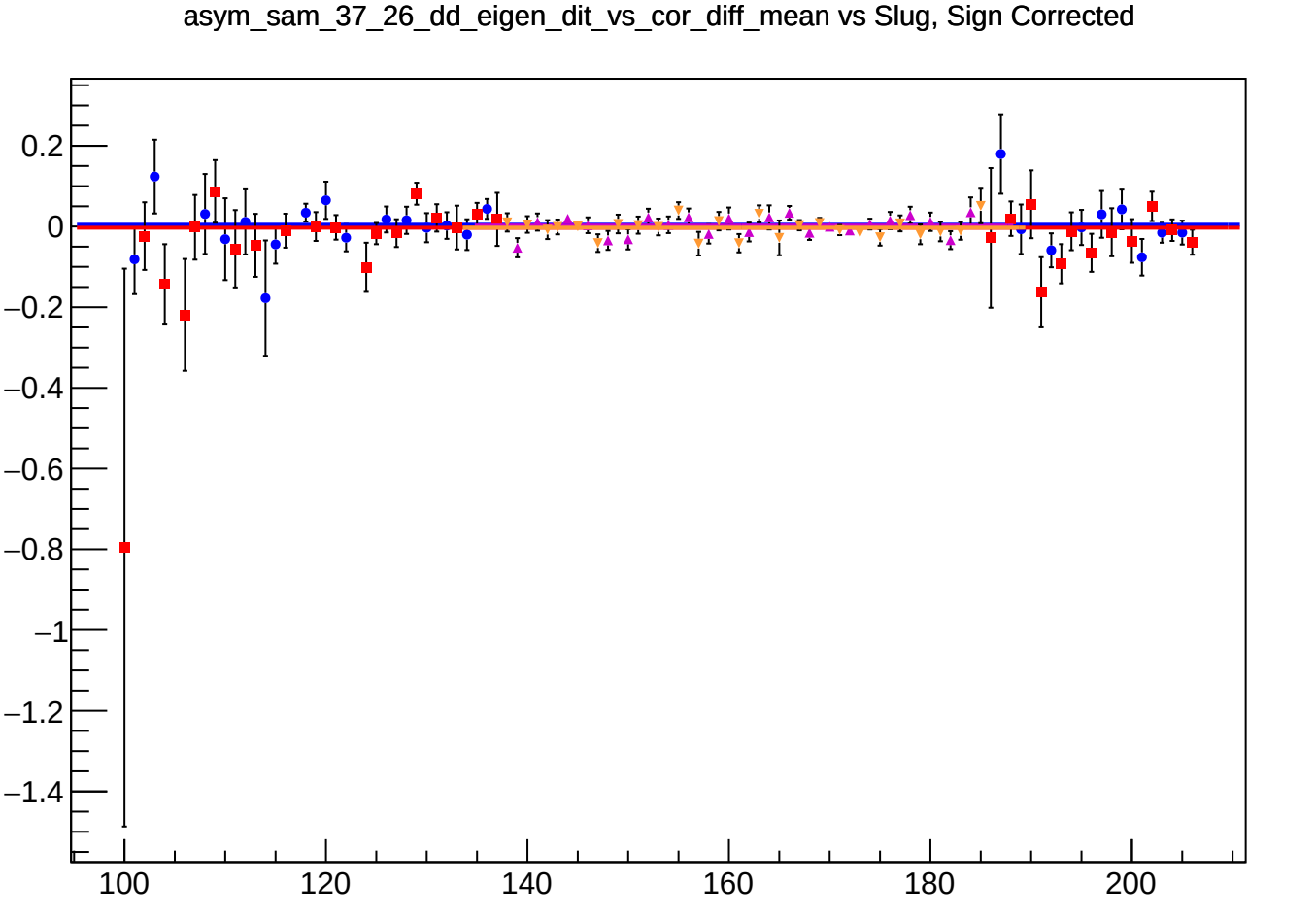
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 19236394.1/55

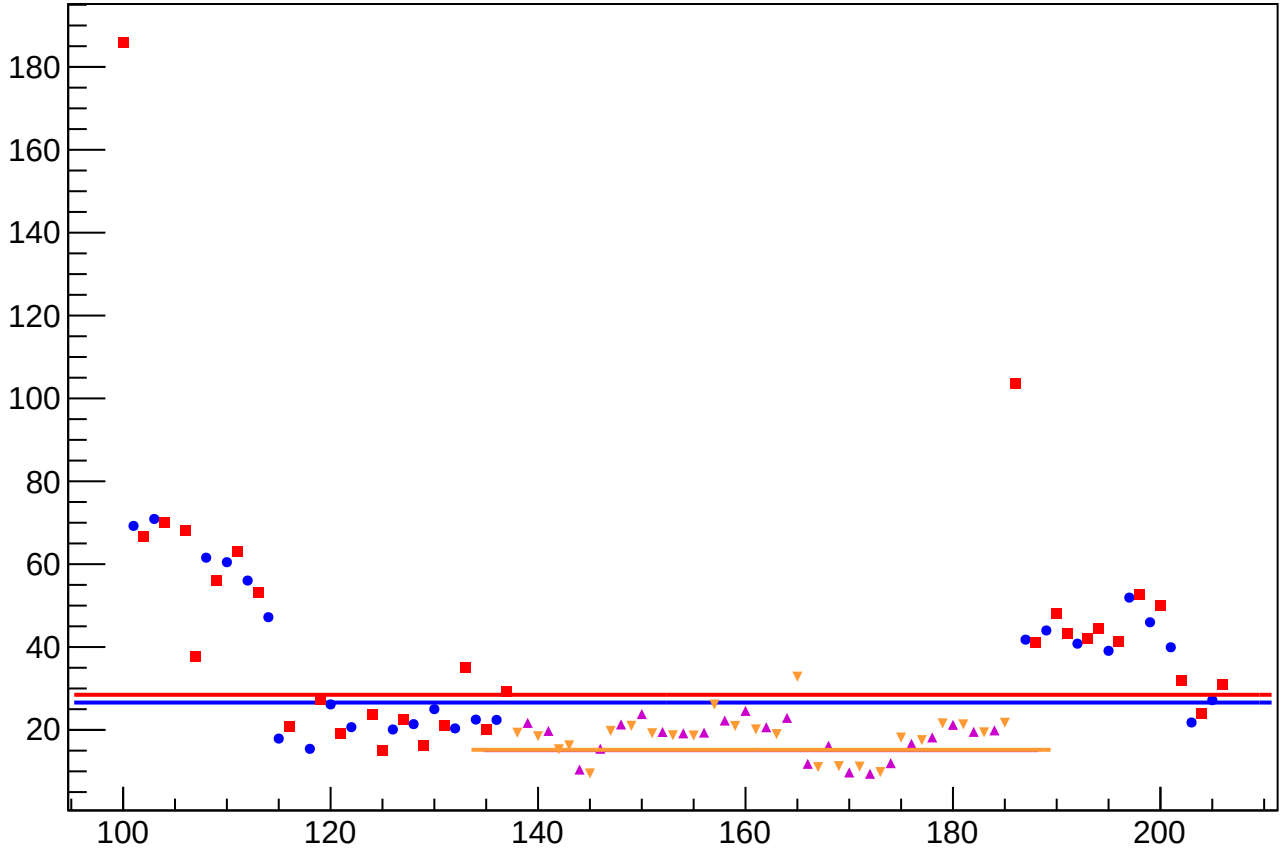
In: 0.001+/-0.000 χ^2/NDF:27737285.0/47

Out: 0.001+/-0.000 χ^2/NDF:25233178.0/55

All: 0.001+/-0.000 χ^2/NDF: 54462359.3/103


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: 0.004+/-0.008 χ²/NDF: 23.7/24
Left Out: -0.003+/-0.004 χ²/NDF:22.6/24
Right Out: -0.003+/-0.008 χ²/NDF: 35.5/30
Left In: 0.002+/-0.004 χ²/NDF:26.9/22
Left: -0.000+/-0.003 χ²/NDF: 50.5/47
Right: 0.001+/-0.006 χ²/NDF: 59.7/55
In: 0.003+/-0.003 χ²/NDF:50.7/47
Out: -0.003+/-0.003 χ²/NDF:58.1/55
All: -0.000+/-0.002 χ²/NDF: 110.2/103

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

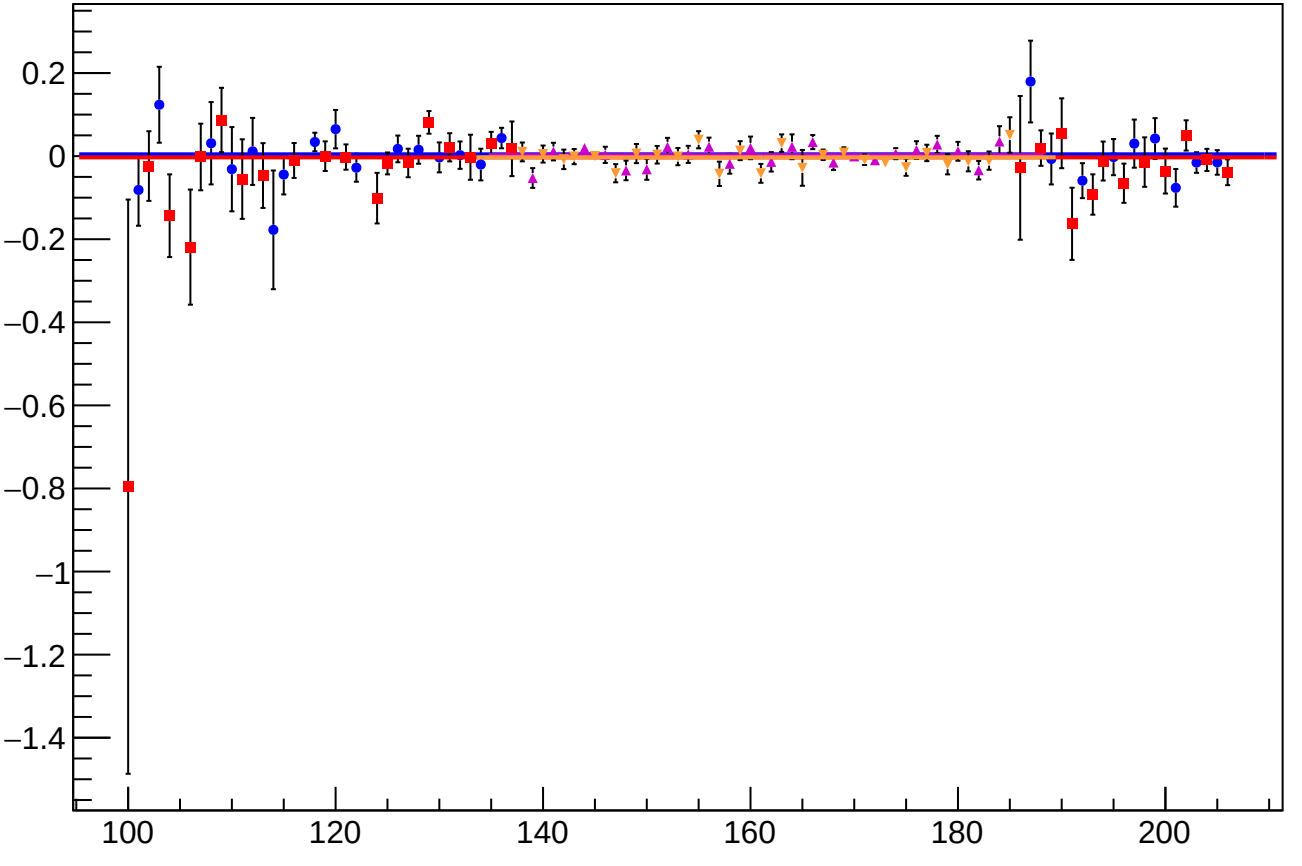
Right: 27.544+/-0.004 χ^2/NDF: 9568647.7/55

In: 17.268+/-0.002 χ^2/NDF:10976402.7/47

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.426+/-0.002 χ^2/NDF: 24335429.0/103

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

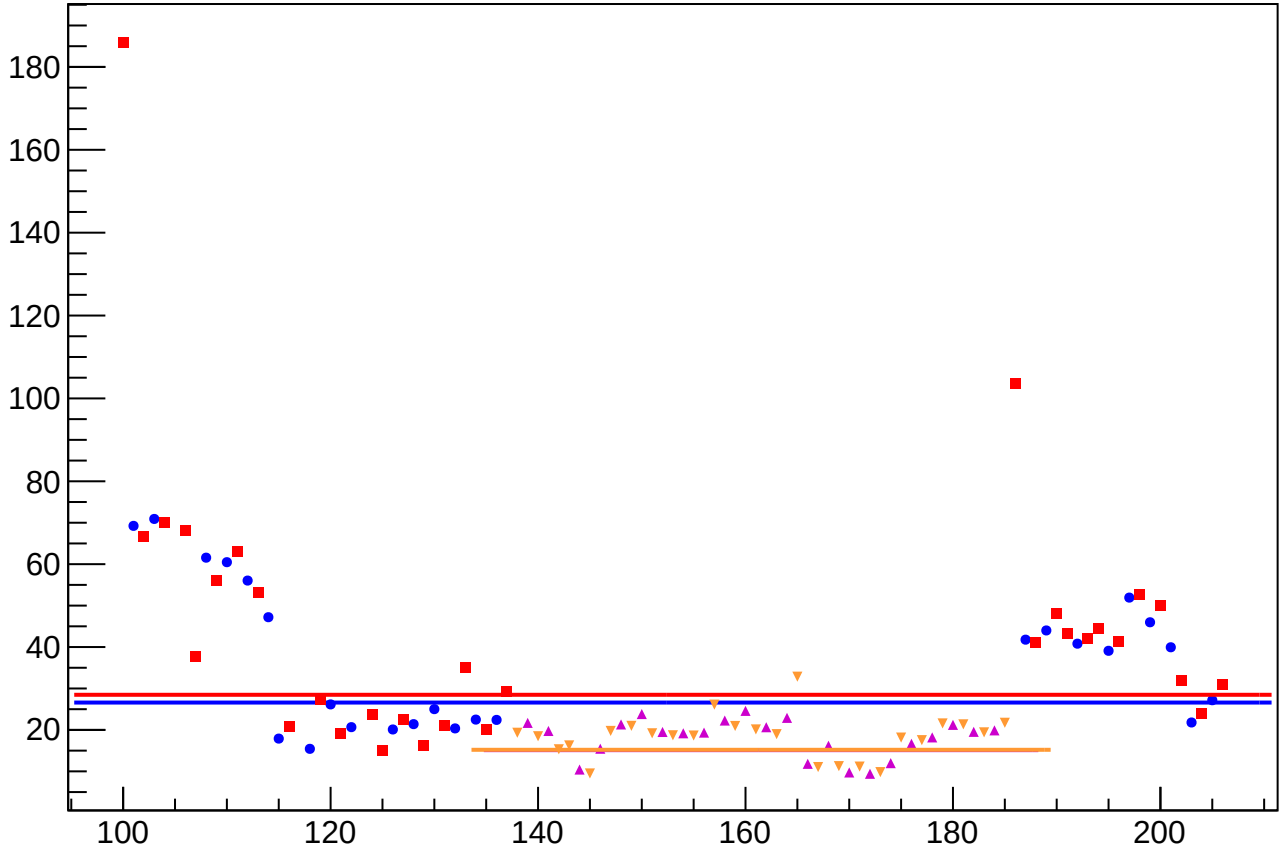
Right: 0.001+/-0.006 χ^2/NDF: 59.7/55

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: -0.000+/-0.002 χ^2/NDF: 110.2/103

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

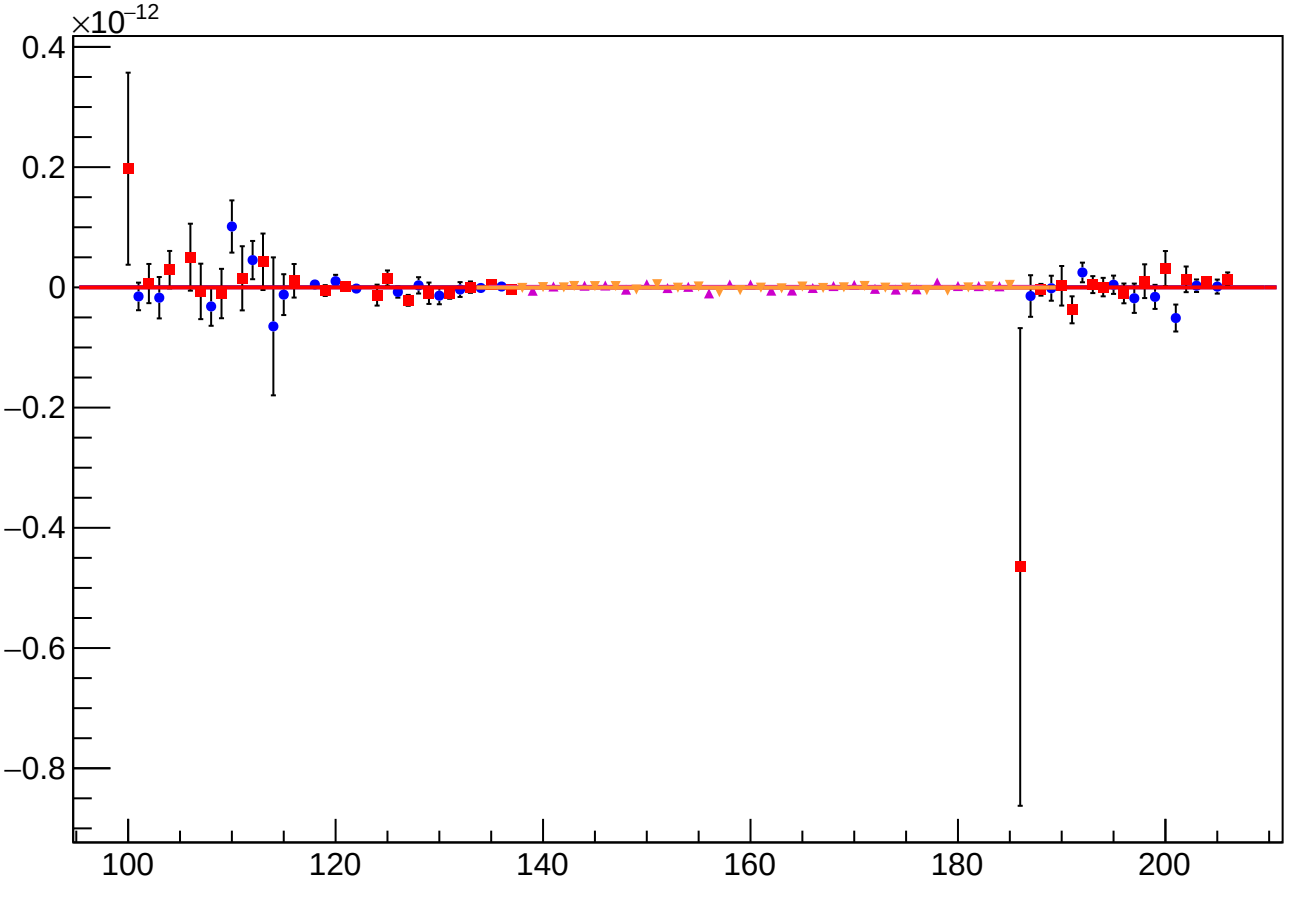
Right: 27.544+/-0.004 χ^2/NDF: 9568647.7/55

In: 17.268+/-0.002 χ^2/NDF:10976402.7/47

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.426+/-0.002 χ^2/NDF: 24335429.0/103

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

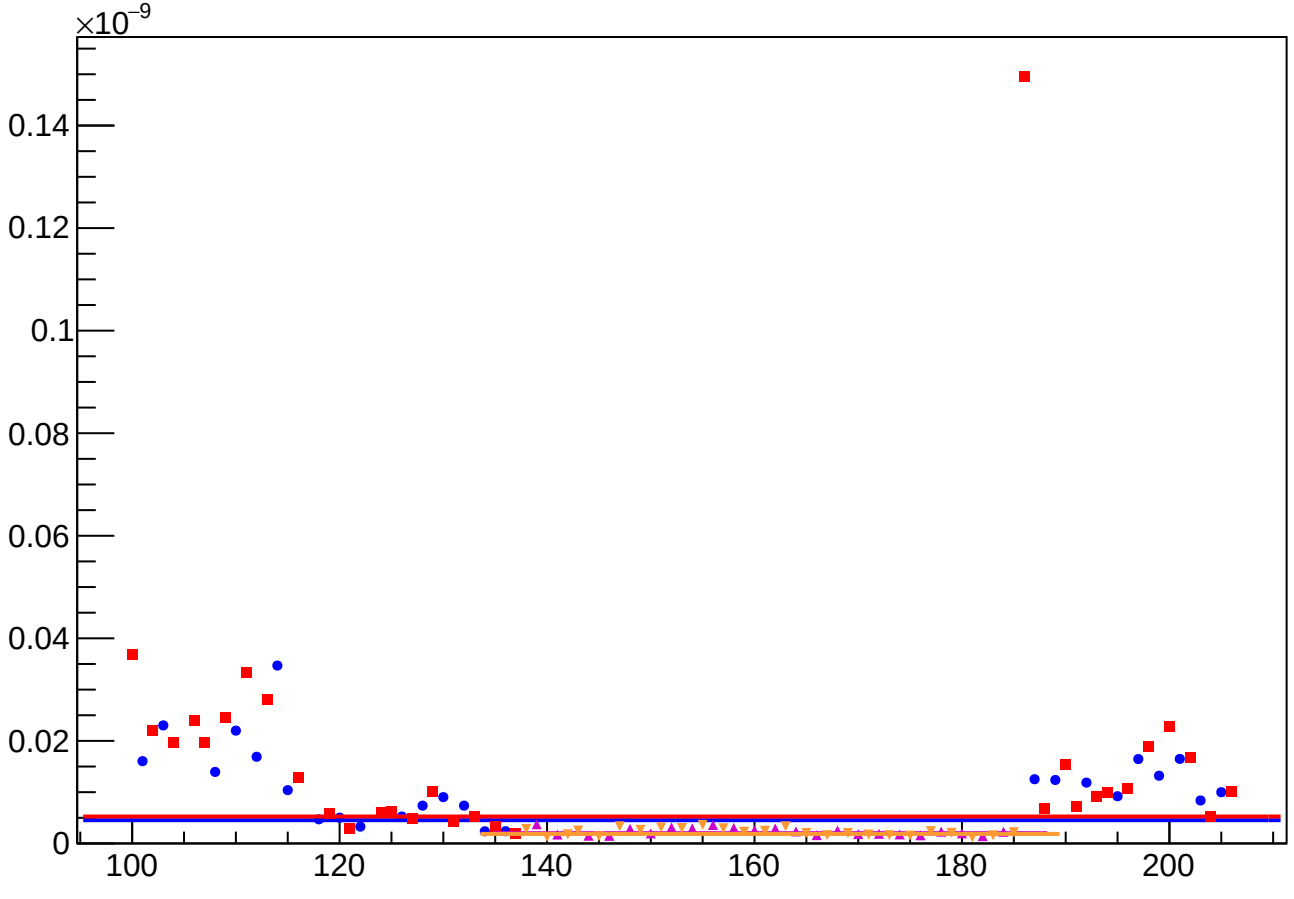
Right: 0.000+/-0.000 χ^2/NDF: 47.9/55

In: 0.000+/-0.000 χ^2/NDF:61.5/47

Out: -0.000+/-0.000 χ^2/NDF:47.3/55

All: 0.000+/-0.000 χ^2/NDF: 110.6/103

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7084770.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8126162.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

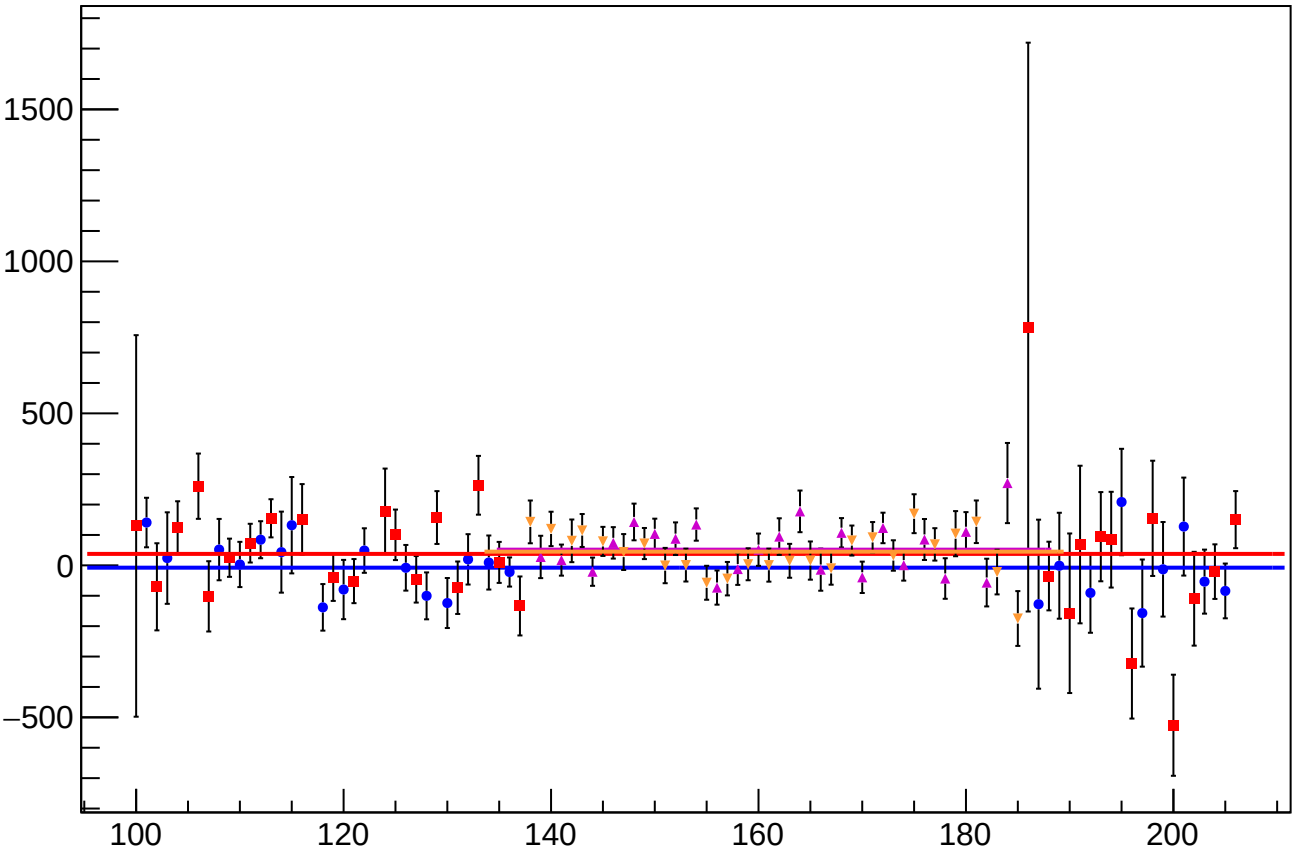
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15343105.8/55

In: 0.000+/-0.000 χ^2/NDF:12211489.7/47

Out: 0.000+/-0.000 χ^2/NDF:15904013.9/55

All: 0.000+/-0.000 χ^2/NDF: 28183973.0/103



Right In: -7.618+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.686+/-17.770 χ^2/NDF: 50.2/30

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

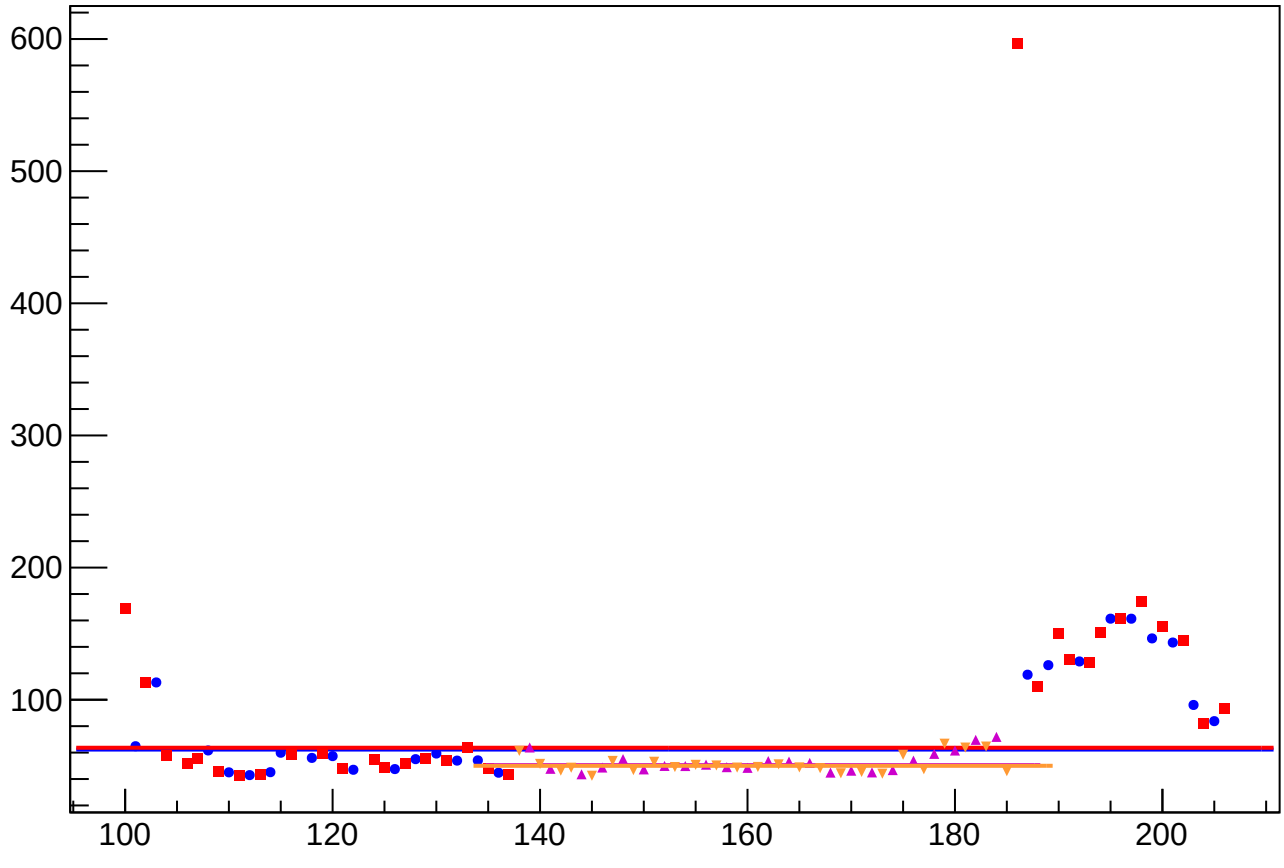
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 15.786+/-12.772 χ^2/NDF: 72.4/55

In: 34.047+/-10.004 χ^2/NDF:62.3/47

Out: 42.908+/-9.651 χ^2/NDF:81.7/55

All: 38.636+/-6.946 χ^2/NDF: 144.3/103



Right In: 62.294+/-0.013 χ^2/NDF: 4630752.4/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.667+/-0.013 χ^2/NDF: 6445646.7/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

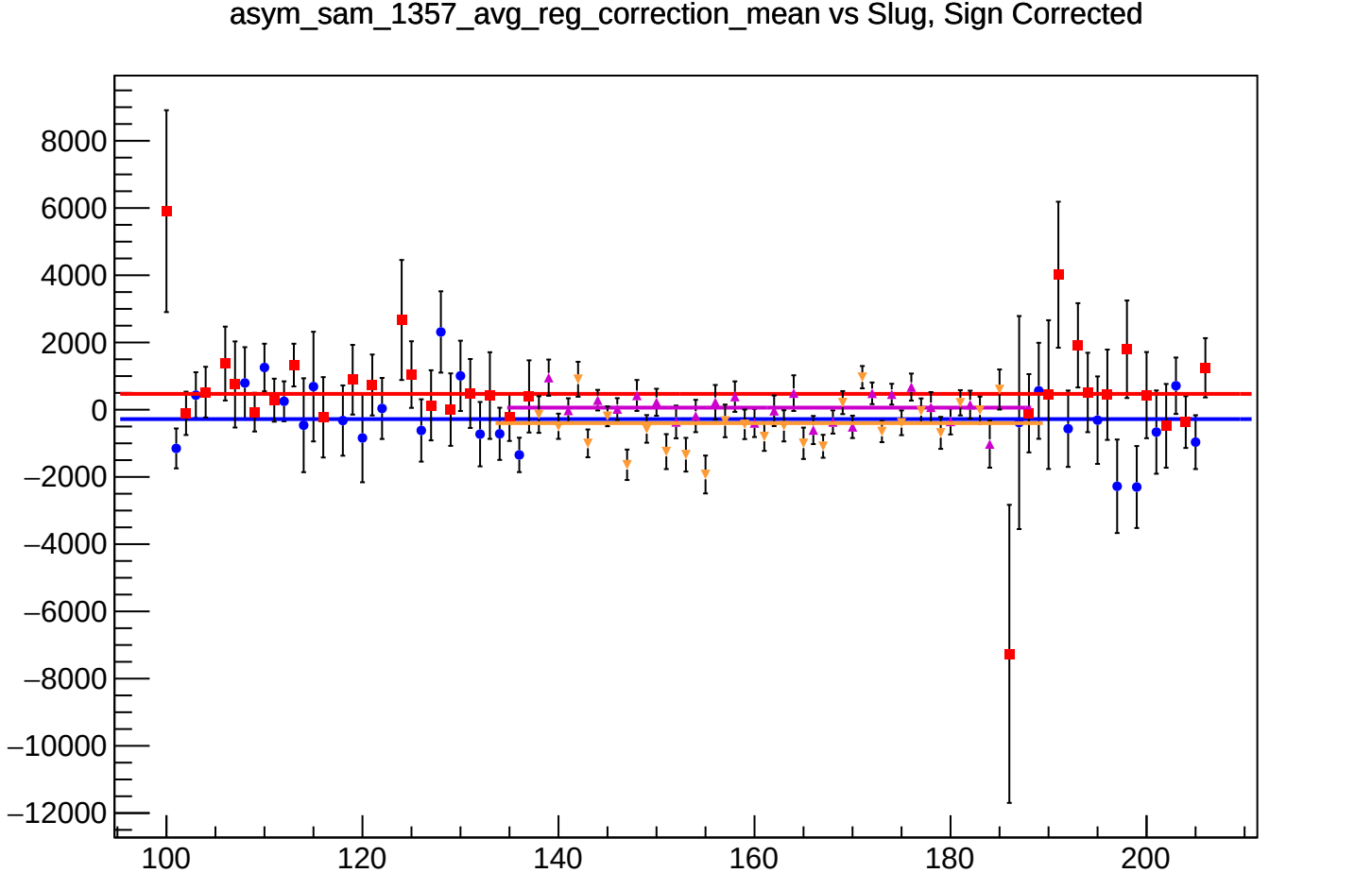
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 63.003+/-0.009 χ^2/NDF: 11082173.0/55

In: 54.007+/-0.007 χ^2/NDF:5712844.4/47

Out: 54.047+/-0.007 χ^2/NDF:7786263.4/55

All: 54.027+/-0.005 χ^2/NDF: 13499124.3/103



Right In: -279.289+/-181.426 χ^2/NDF: 29.0/24

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 471.057+/-177.168 χ^2/NDF: 22.0/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

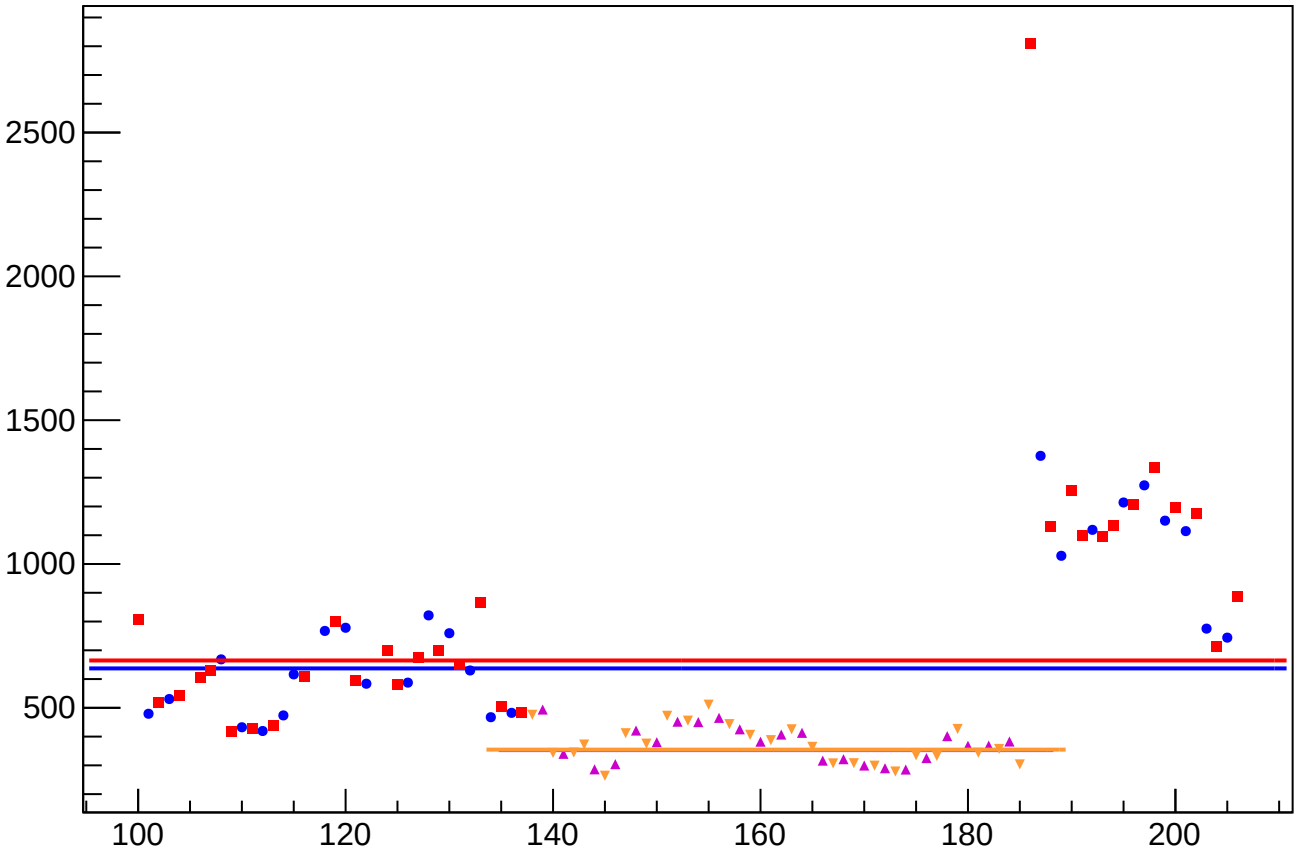
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 104.792+/-126.755 χ^2/NDF: 59.7/55

In: 1.912+/-76.146 χ^2/NDF:55.8/47

Out: -245.603+/-74.463 χ^2/NDF:107.3/55

All: -124.610+/-53.238 χ^2/NDF: 168.5/103



Right In: 637.040+/-0.128 χ^2/NDF: 3243999.1/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 664.632+/-0.125 χ^2/NDF: 4483738.6/30

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

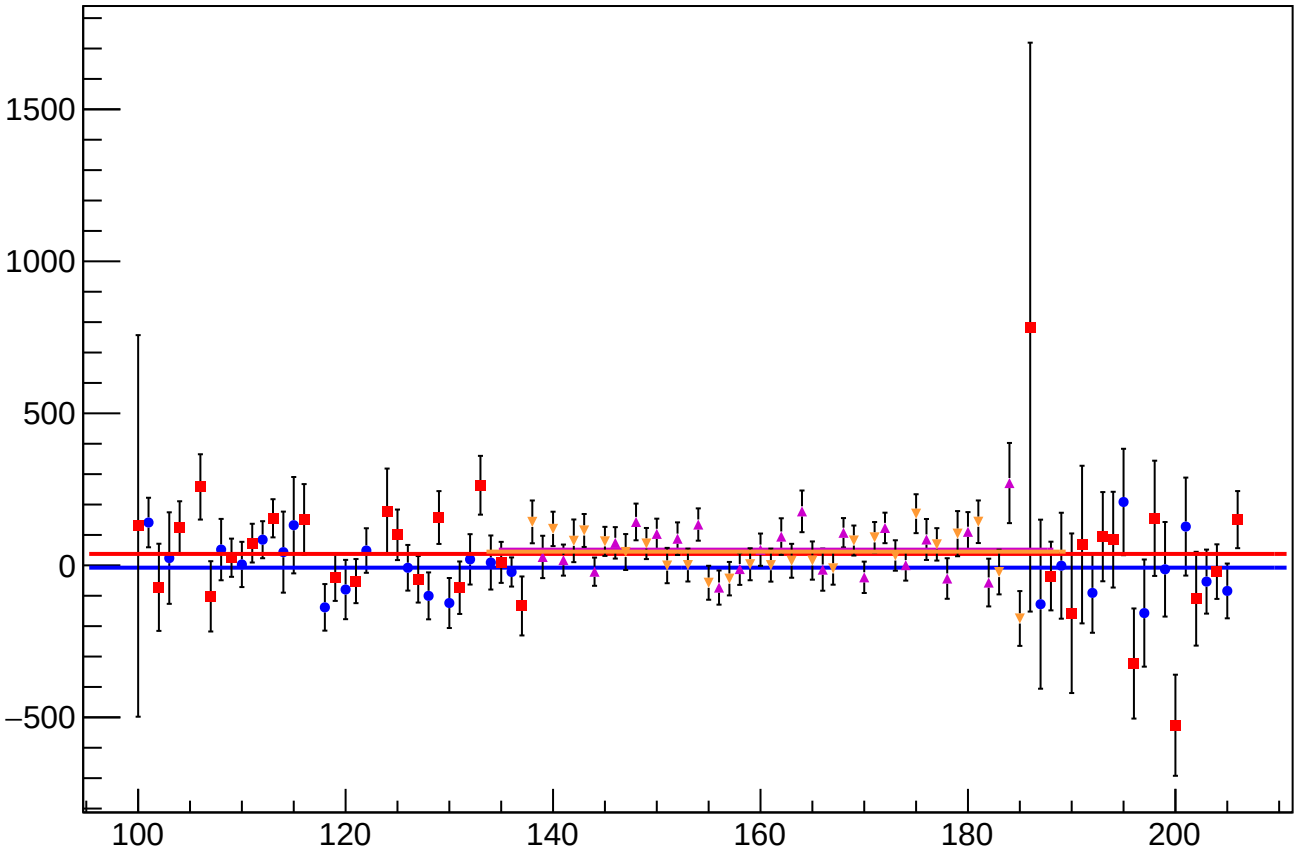
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 651.164+/-0.090 χ^2/NDF: 7751416.8/55

In: 403.125+/-0.054 χ^2/NDF:8283659.5/47

Out: 409.425+/-0.053 χ^2/NDF:10669558.6/55

All: 406.345+/-0.038 χ^2/NDF: 18960215.2/10



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.591+/-17.770 χ^2/NDF: 50.1/30

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

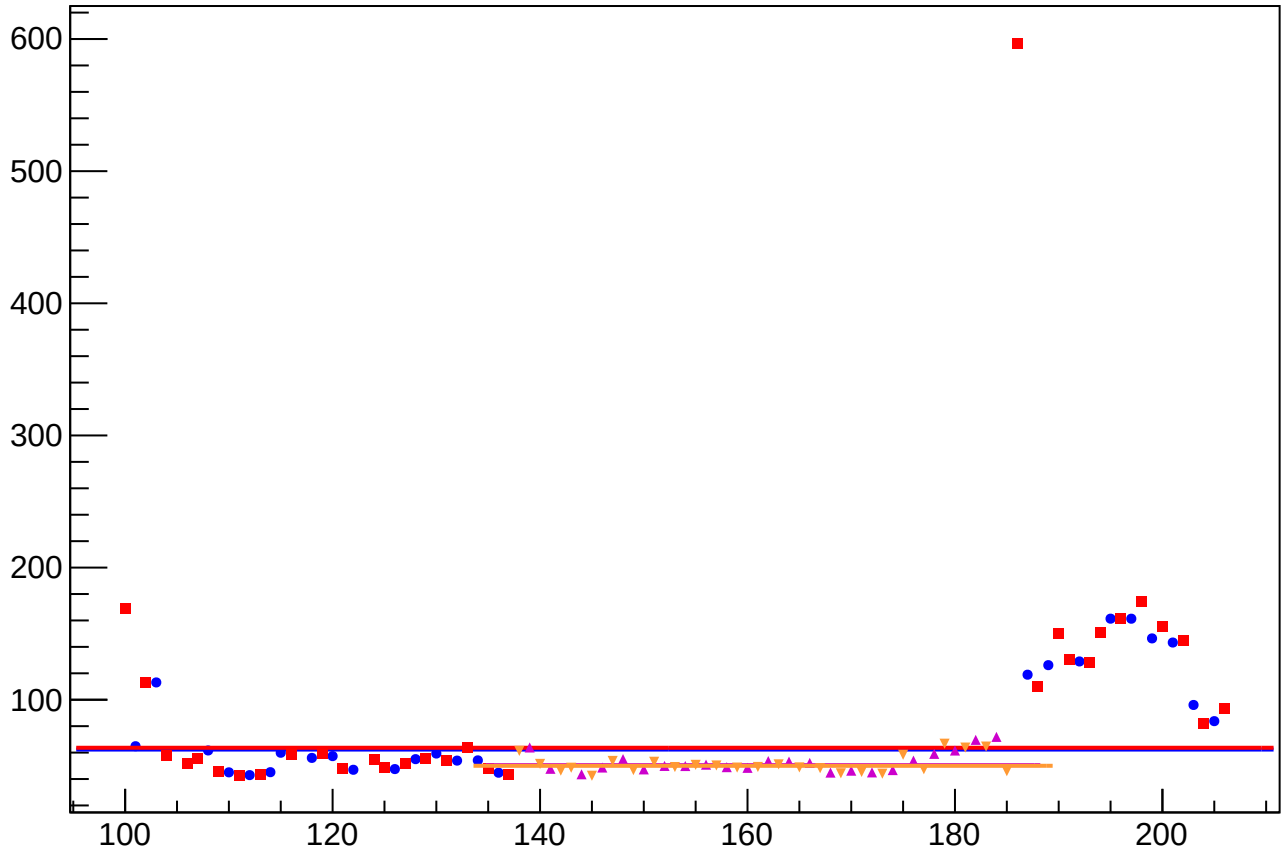
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 15.734+/-12.772 χ^2/NDF: 72.3/55

In: 34.045+/-10.004 χ^2/NDF:62.3/47

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 38.622+/-6.946 χ^2/NDF: 144.3/103



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

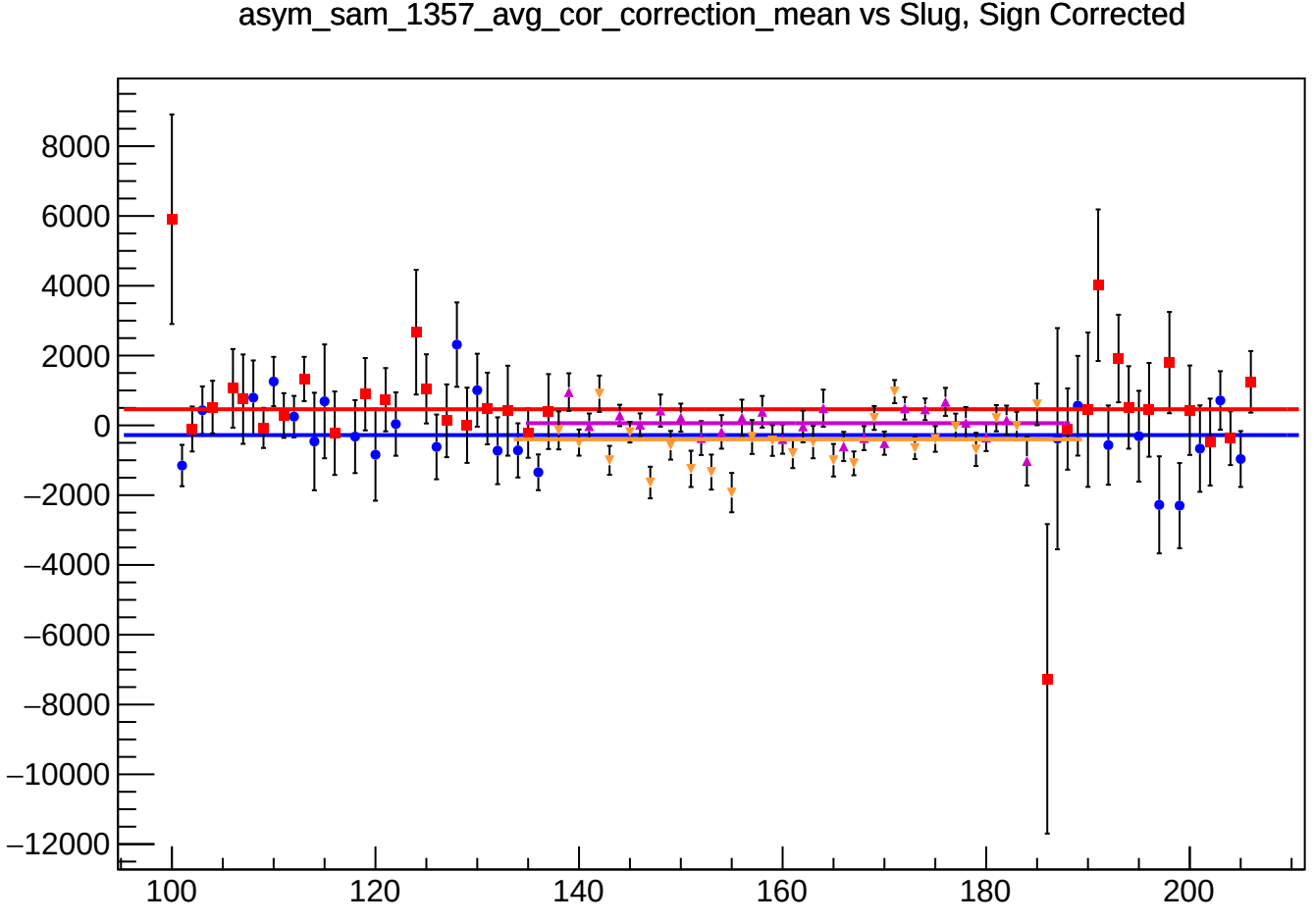
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 62.999+/-0.009 χ^2/NDF: 11083586.2/55

In: 54.007+/-0.007 χ^2/NDF:5712846.7/47

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.026+/-0.005 χ^2/NDF: 13499610.5/103



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

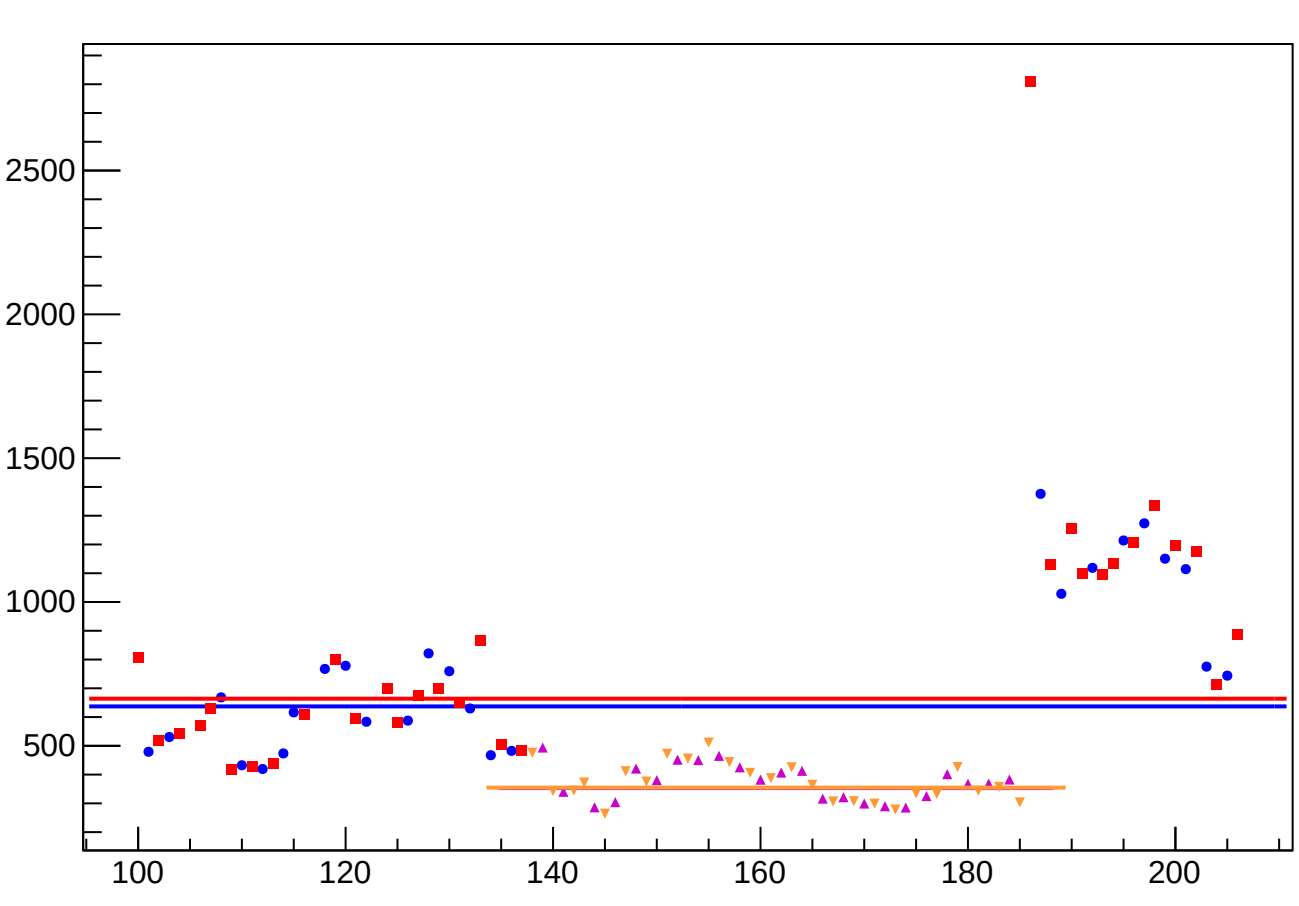
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 100.163+/-126.802 χ^2/NDF: 59.1/55

In: 1.915+/-76.146 χ^2/NDF:55.8/47

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -125.454+/-53.242 χ^2/NDF: 167.7/103



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

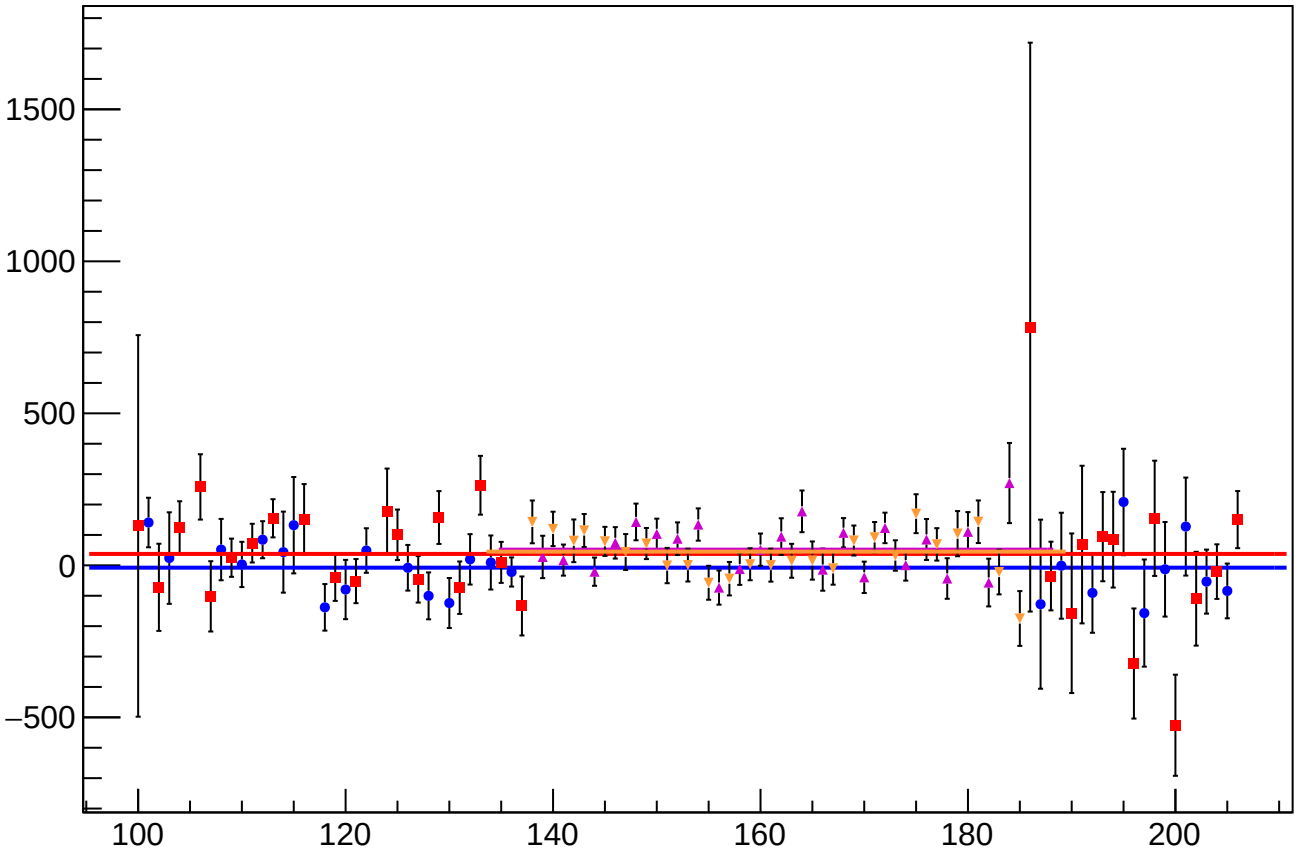
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 650.776+/-0.090 χ^2/NDF: 7757386.6/55

In: 403.126+/-0.054 χ^2/NDF:8283708.5/47

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 406.245+/-0.038 χ^2/NDF: 18937086.4/10



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.591+/-17.770 χ^2/NDF: 50.1/30

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

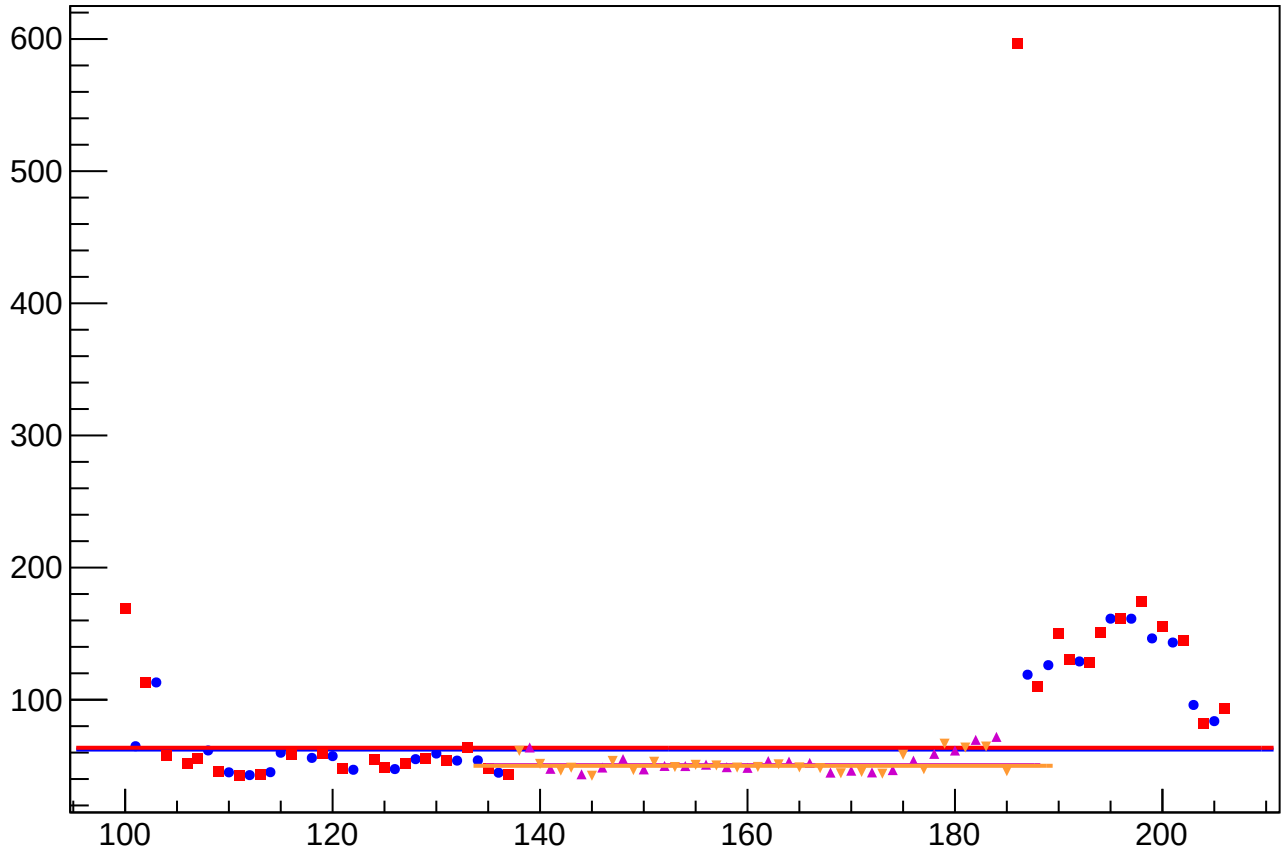
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 15.734+/-12.772 χ^2/NDF: 72.3/55

In: 34.045+/-10.004 χ^2/NDF:62.3/47

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 38.622+/-6.946 χ^2/NDF: 144.3/103



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

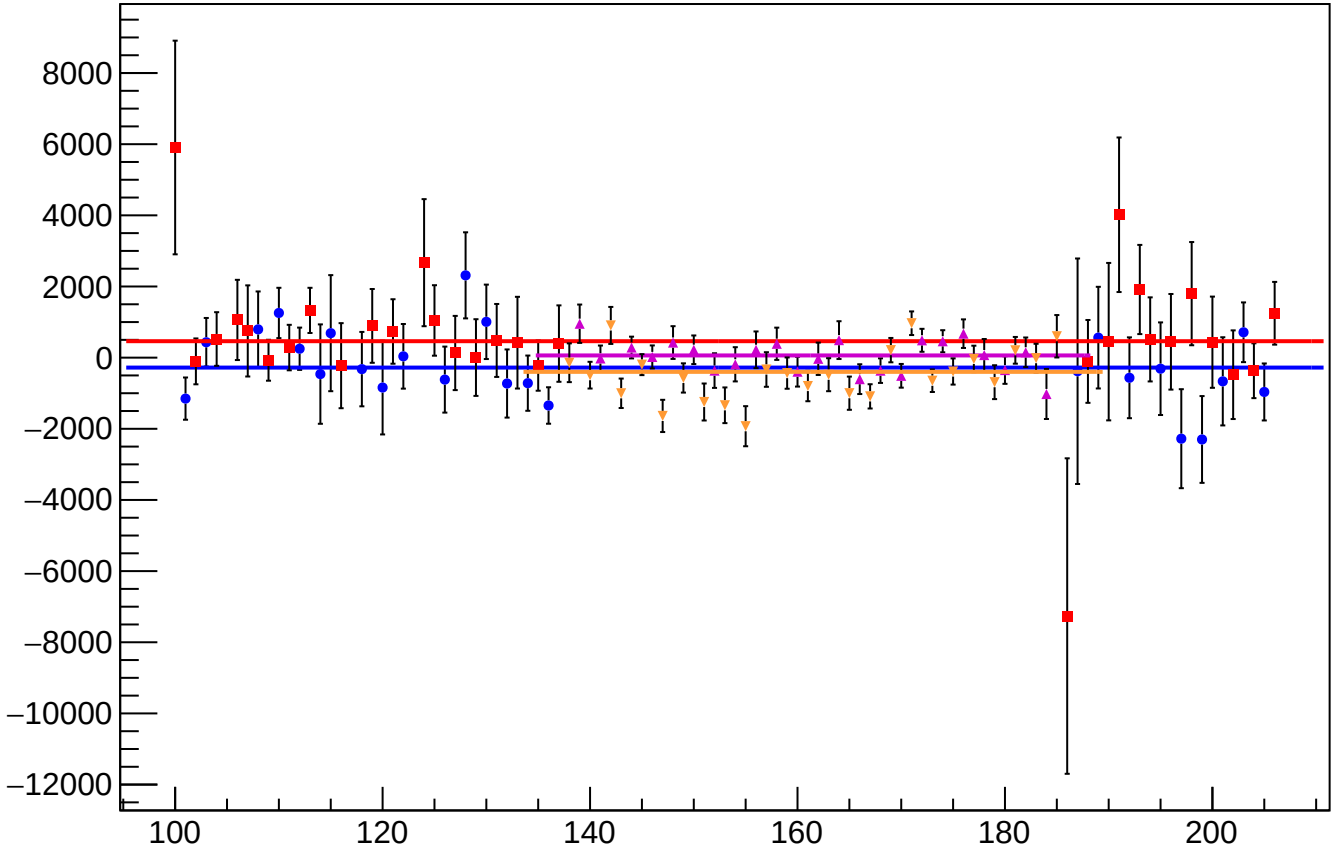
Right: 62.999+/-0.009 χ^2/NDF: 11083586.2/55

In: 54.007+/-0.007 χ^2/NDF:5712846.7/47

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.026+/-0.005 χ^2/NDF: 13499610.5/103

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

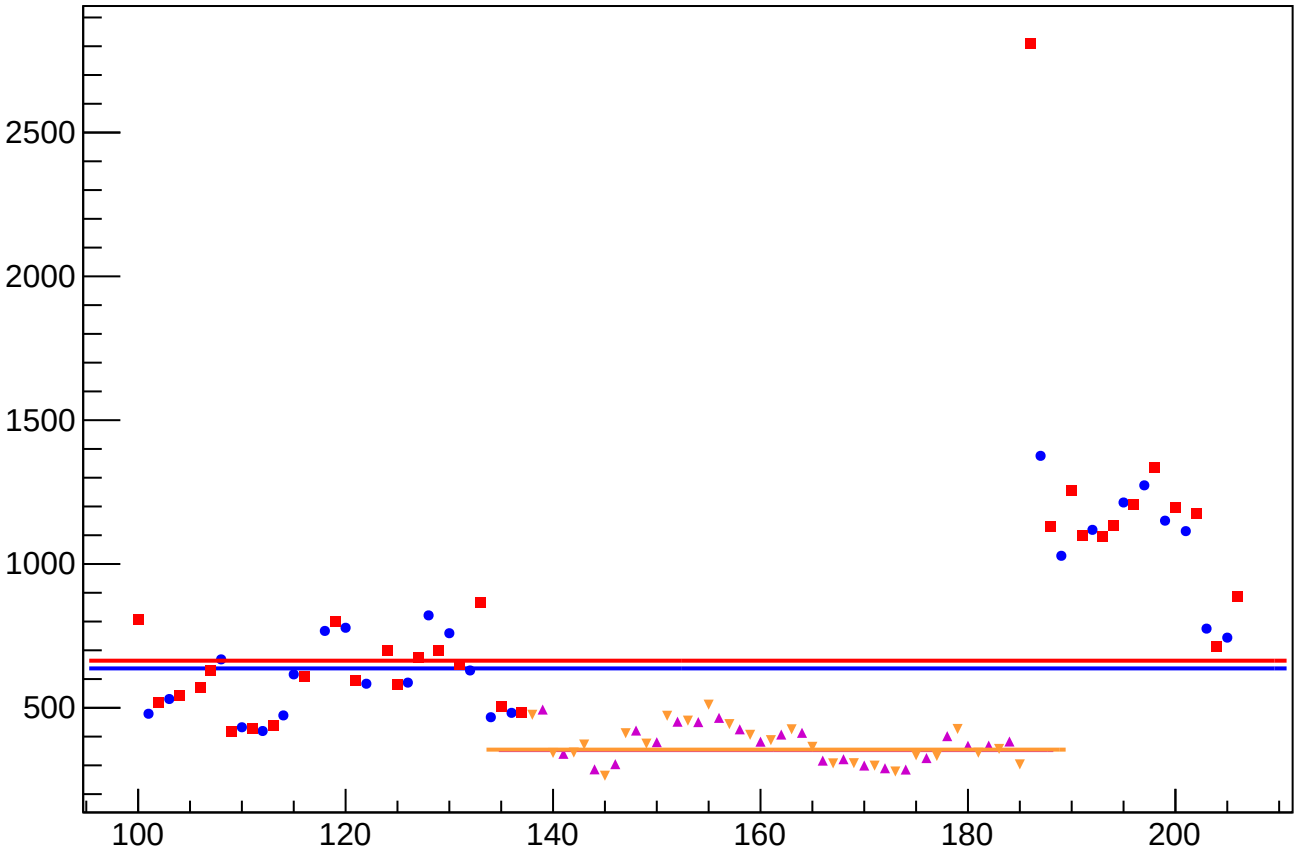
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 100.163+/-126.802 χ^2/NDF: 59.1/55

In: 1.915+/-76.146 χ^2/NDF:55.8/47

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -125.454+/-53.242 χ^2/NDF: 167.7/103



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

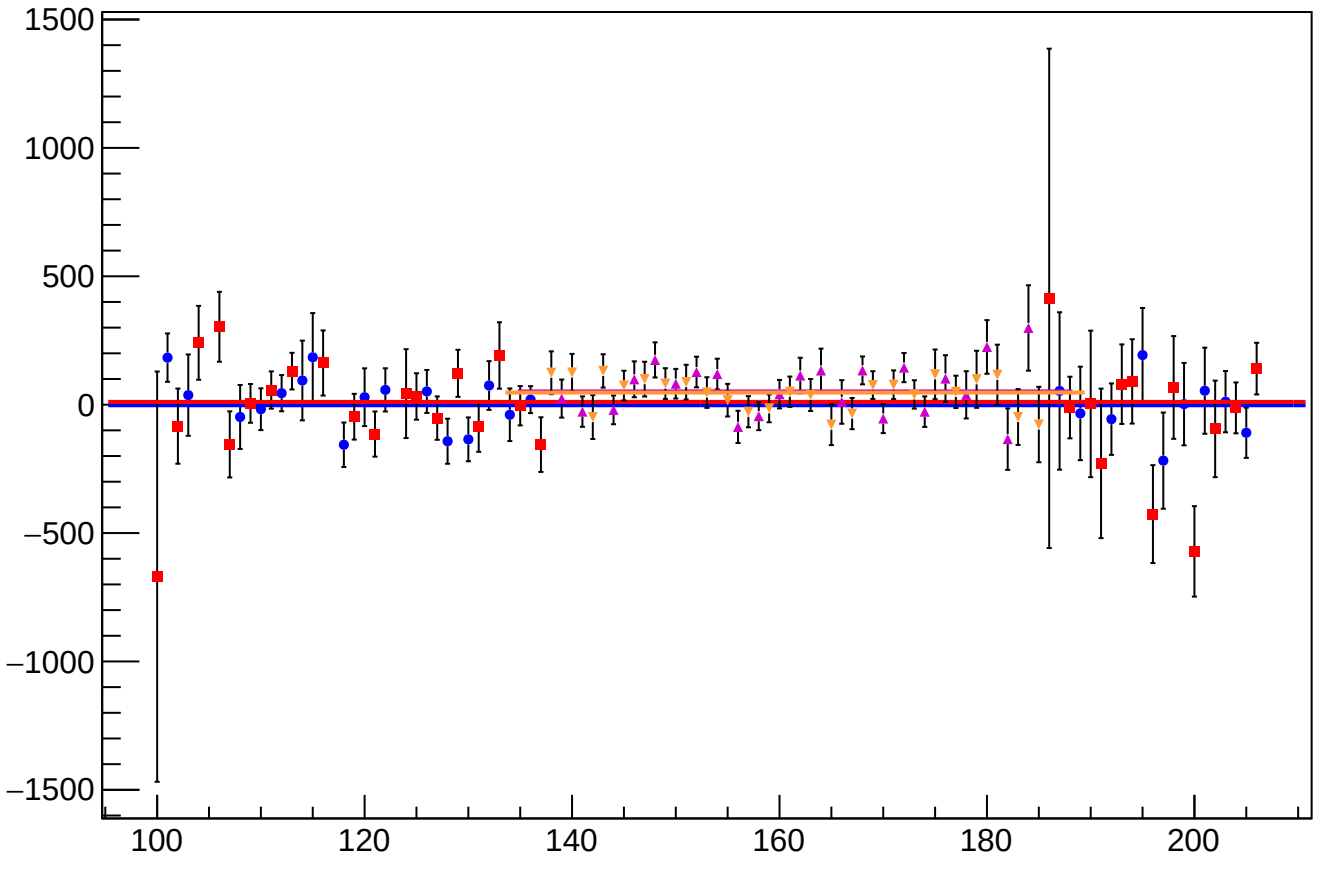
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 650.776+/-0.090 χ^2/NDF: 7757386.6/55

In: 403.126+/-0.054 χ^2/NDF:8283708.5/47

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 406.245+/-0.038 χ^2/NDF: 18937086.4/10



Right In: -2.219+/-20.504 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 10.817+/-20.345 χ^2/NDF: 44.2/30

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

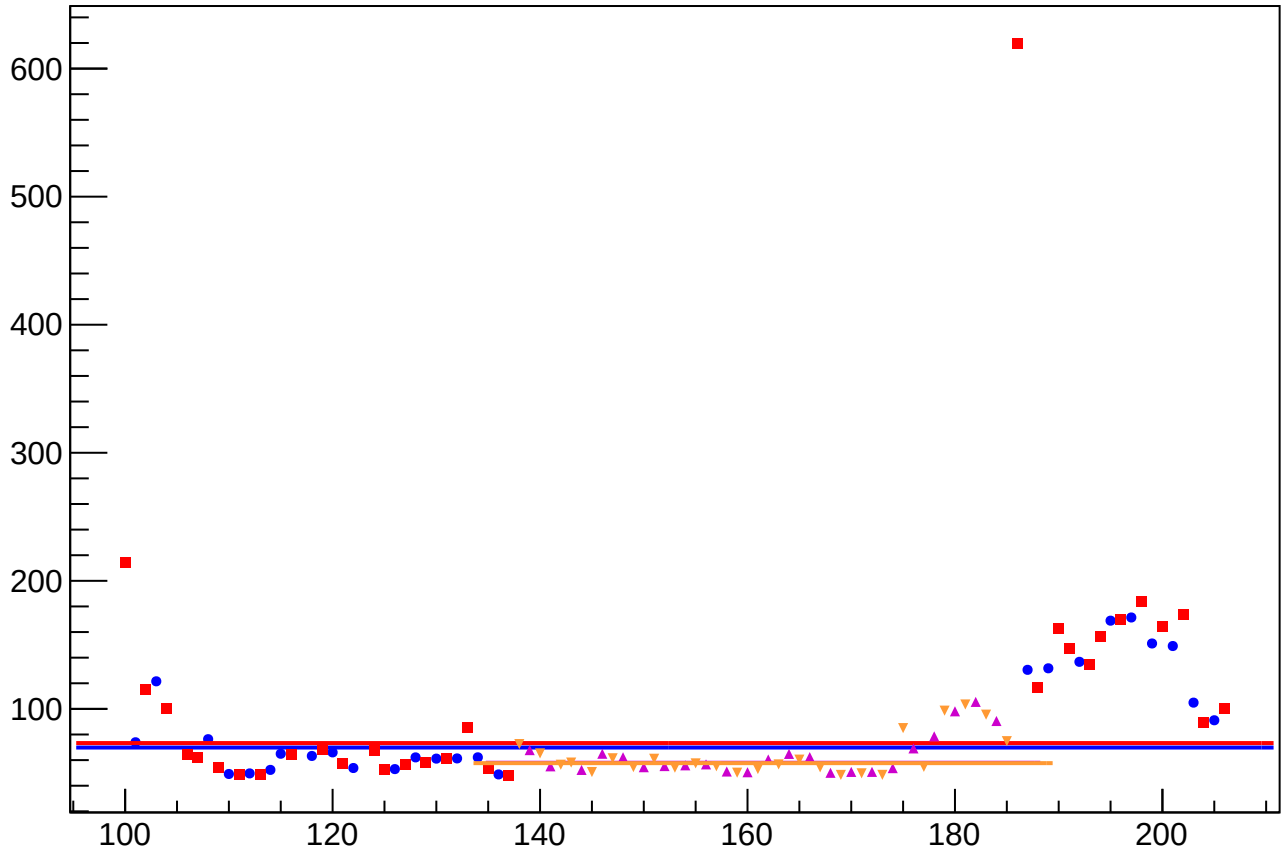
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.350+/-14.442 χ^2/NDF: 64.6/55

In: 34.634+/-11.524 χ^2/NDF:63.1/47

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 35.349+/-8.052 χ^2/NDF: 126.6/103



Right In: 69.820+/-0.014 χ^2/NDF: 4263920.8/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993186.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

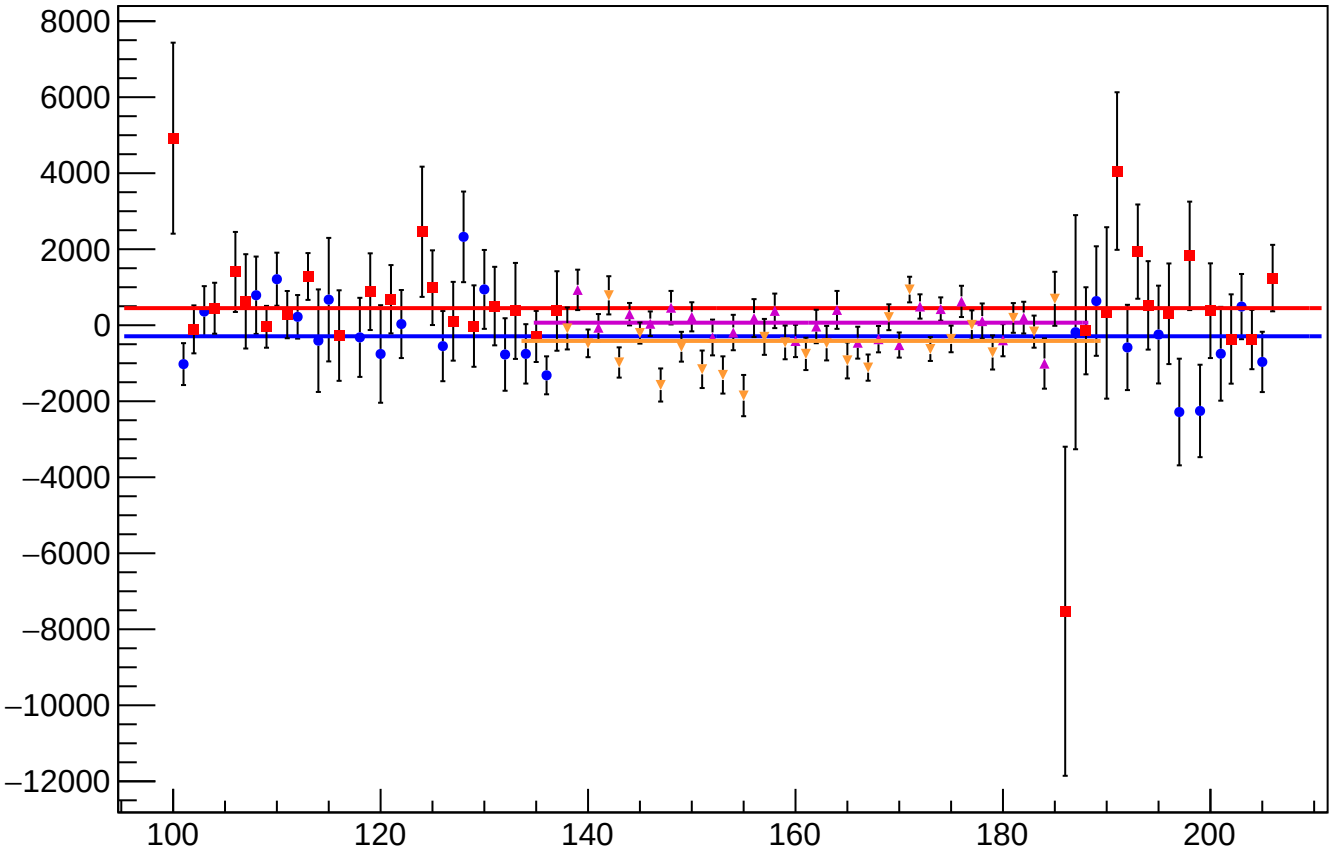
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 71.581+/-0.010 χ^2/NDF: 10286376.1/55

In: 61.693+/-0.008 χ^2/NDF:5847723.2/47

Out: 62.431+/-0.008 χ^2/NDF:8183394.0/55

All: 62.071+/-0.006 χ^2/NDF: 14035316.6/103



Right In: -290.554+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 449.839+/-172.051 χ^2/NDF: 22.8/30

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

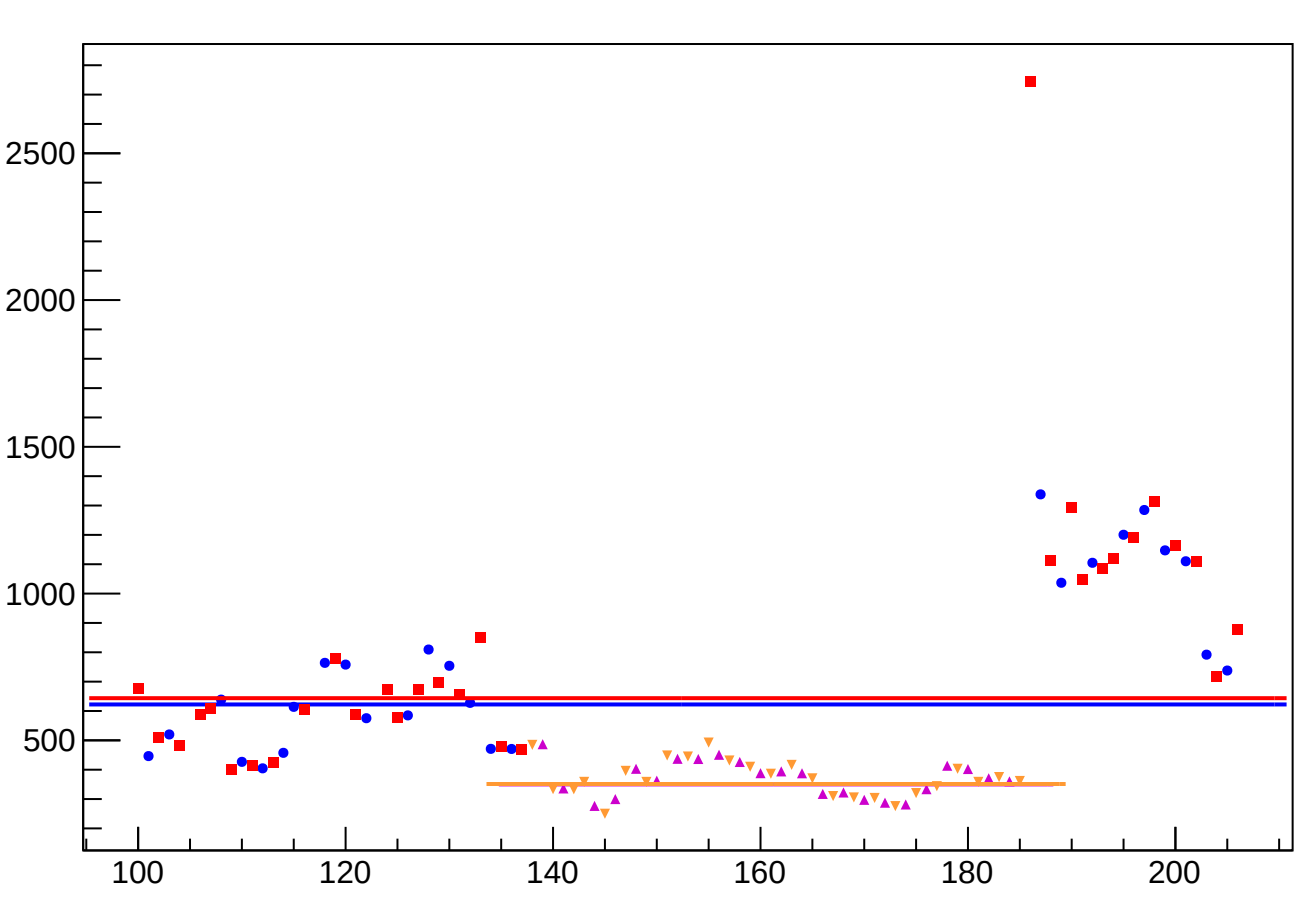
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 91.862+/-123.650 χ^2/NDF: 59.6/55

In: 2.638+/-75.272 χ^2/NDF:54.0/47

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -130.002+/-52.545 χ^2/NDF: 164.8/103



Right In: 622.263+/-0.126 χ^2/NDF: 3434477.1/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 643.648+/-0.122 χ^2/NDF: 4666224.5/30

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

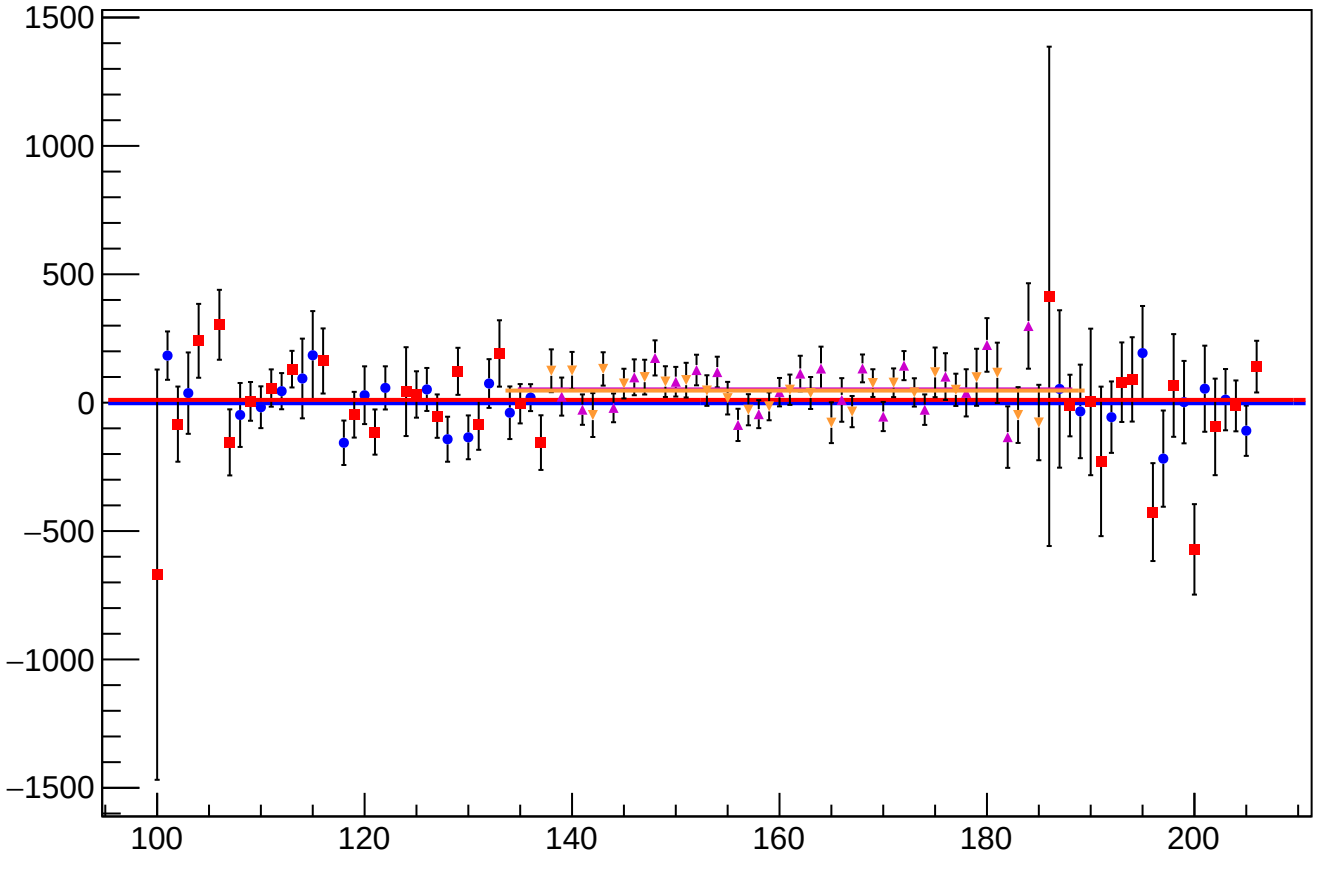
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 633.308+/-0.087 χ^2/NDF: 8115639.8/55

In: 398.629+/-0.053 χ^2/NDF:8278427.9/47

Out: 404.456+/-0.052 χ^2/NDF:10509639.5/55

All: 401.616+/-0.037 χ^2/NDF: 18794212.9/10



Right In: -2.219+/-20.505 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 10.815+/-20.345 χ^2/NDF: 44.2/30

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

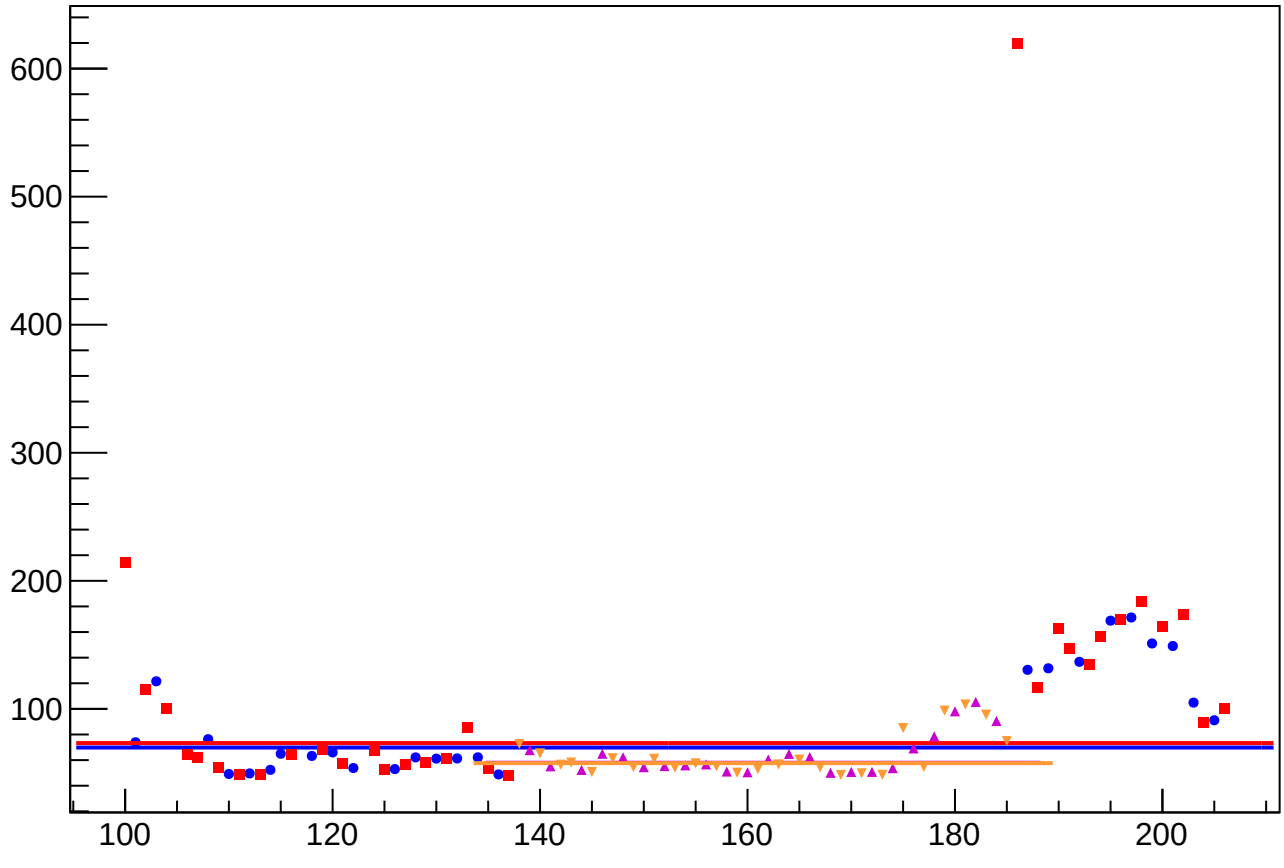
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.349+/-14.442 χ^2/NDF: 64.6/55

In: 34.634+/-11.525 χ^2/NDF:63.1/47

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 35.348+/-8.052 χ^2/NDF: 126.6/103



Right In: 69.820+/-0.014 χ^2/NDF: 4263903.3/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993174.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

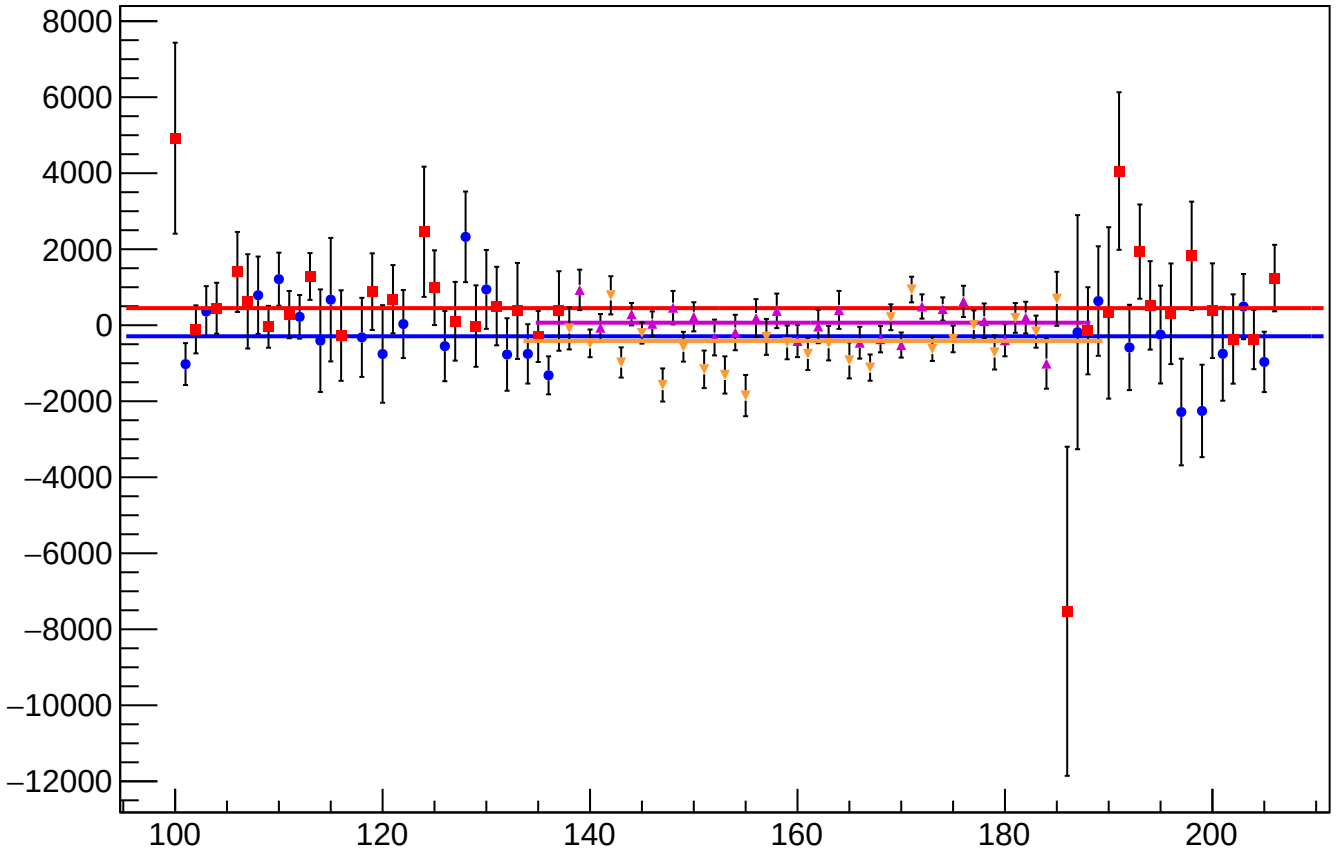
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 71.581+/-0.010 χ^2/NDF: 10286347.1/55

In: 61.693+/-0.008 χ^2/NDF:5847690.1/47

Out: 62.431+/-0.008 χ^2/NDF:8183379.2/55

All: 62.071+/-0.006 χ^2/NDF: 14035268.6/103



Right In: -290.553+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 449.838+/-172.050 χ^2/NDF: 22.8/30

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

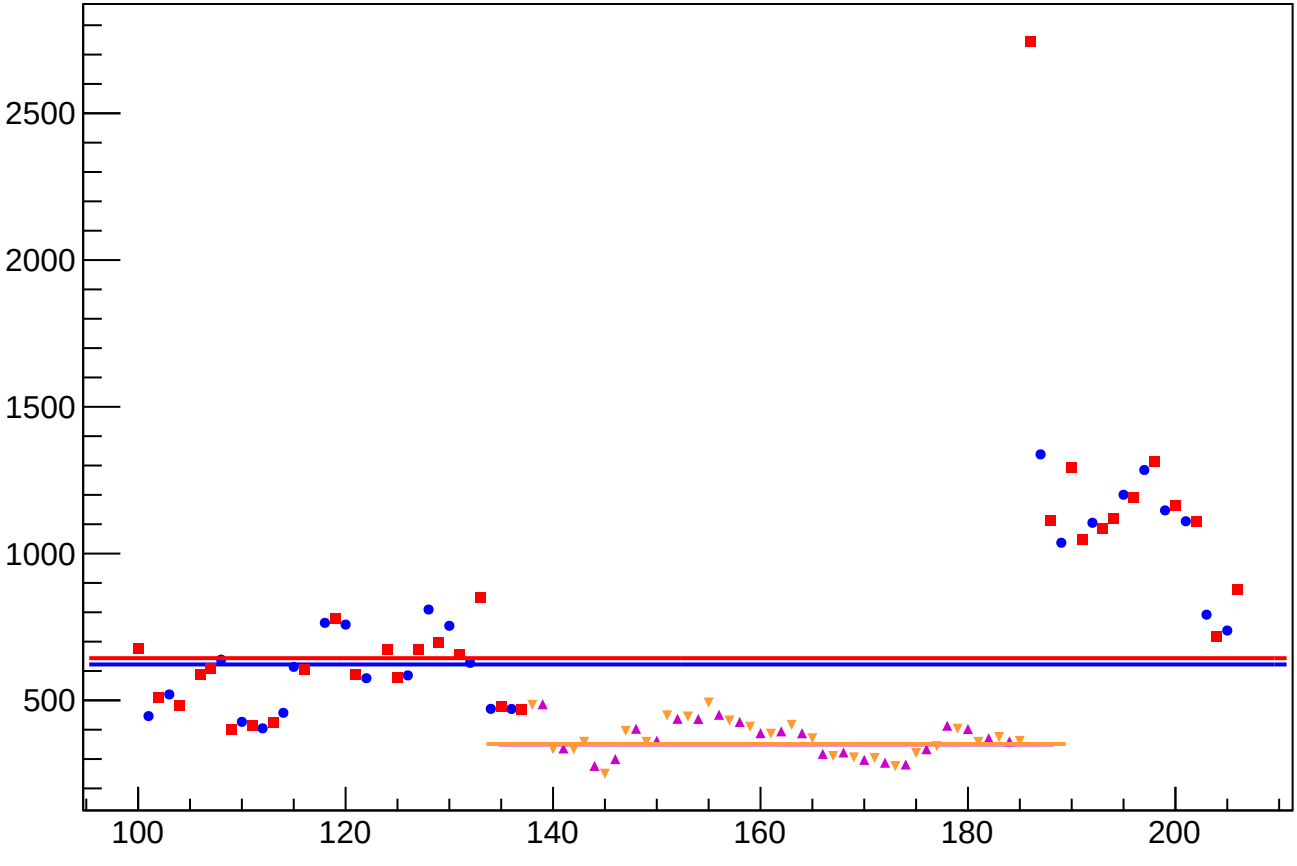
Right: 91.862+/-123.649 χ^2/NDF: 59.6/55

In: 2.638+/-75.272 χ^2/NDF:54.0/47

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -130.002+/-52.545 χ^2/NDF: 164.8/103

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 622.262+/-0.126 χ^2/NDF: 3434485.5/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 643.646+/-0.122 χ^2/NDF: 4666229.3/30

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

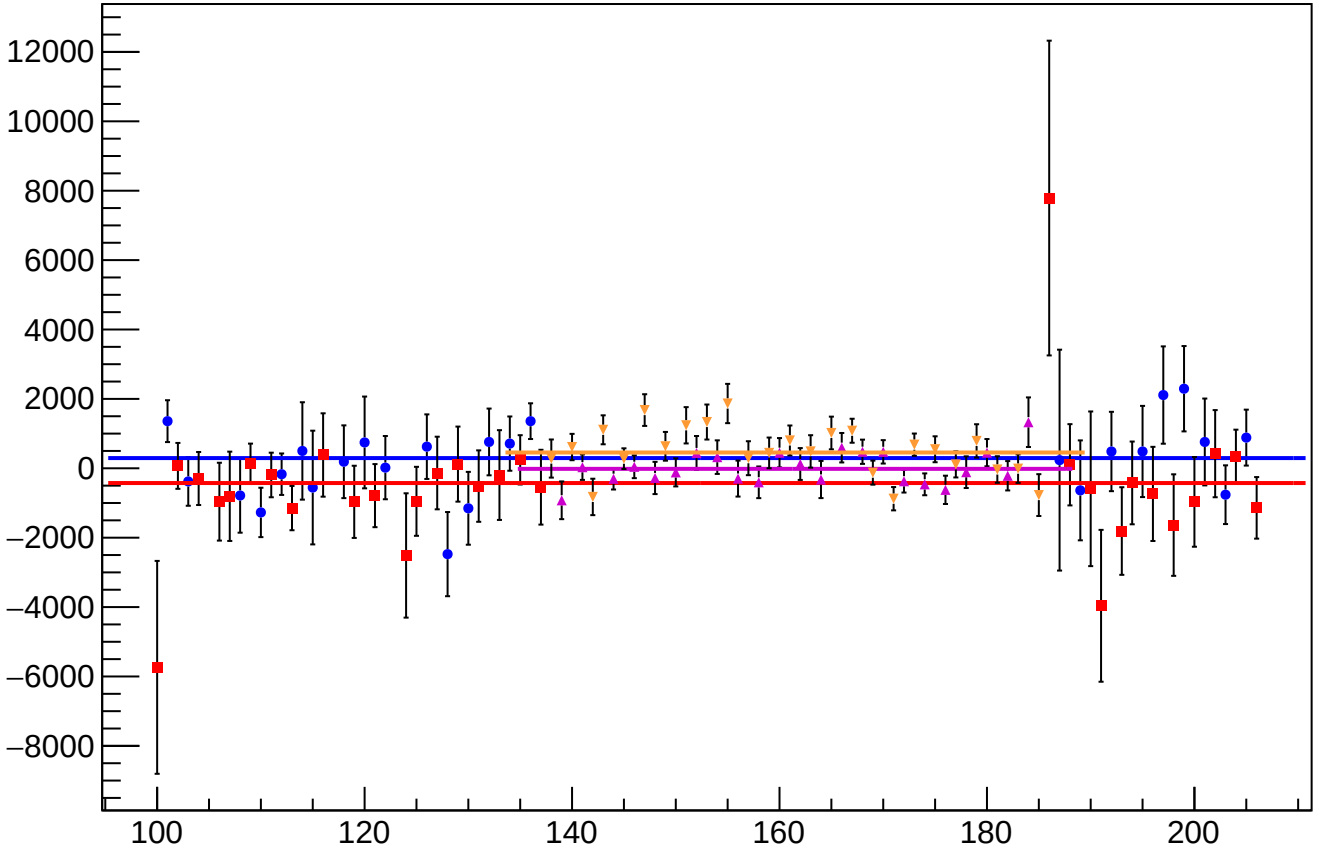
Right: 633.307+/-0.087 χ^2/NDF: 8115653.0/55

In: 398.628+/-0.053 χ^2/NDF:8278413.4/47

Out: 404.455+/-0.052 χ^2/NDF:10509626.3/55

All: 401.616+/-0.037 χ^2/NDF: 18794184.9/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 294.285+/-182.897 χ^2/NDF: 30.0/24

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -425.015+/-178.590 χ^2/NDF: 20.3/30

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

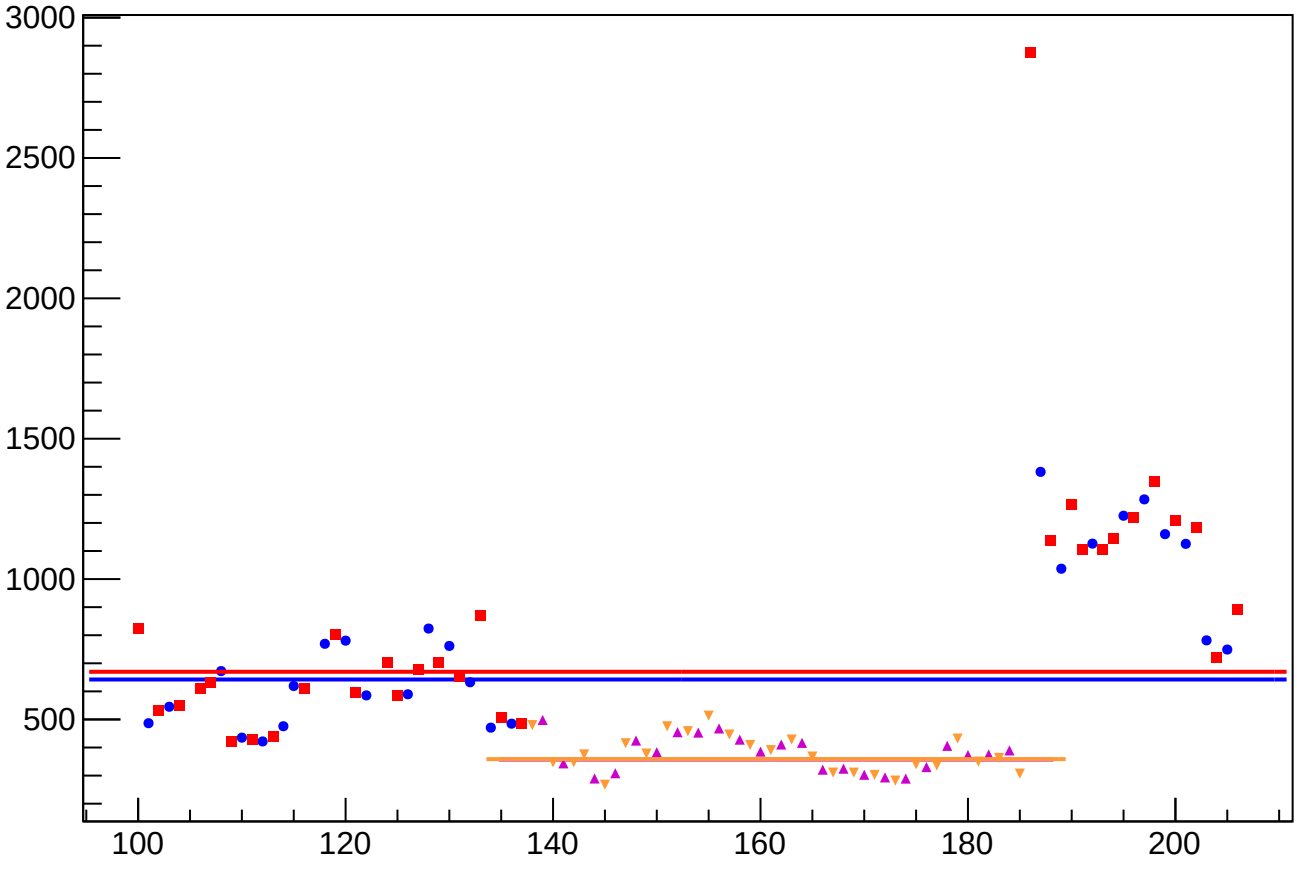
Right: -73.934+/-127.778 χ^2/NDF: 58.3/55

In: 38.873+/-76.956 χ^2/NDF:57.3/47

Out: 299.000+/-75.239 χ^2/NDF:101.1/55

All: 171.870+/-53.799 χ^2/NDF: 164.2/103

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 642.308+/-0.129 χ^2/NDF: 3234163.3/24

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 669.790+/-0.126 χ^2/NDF: 4481938.7/30

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

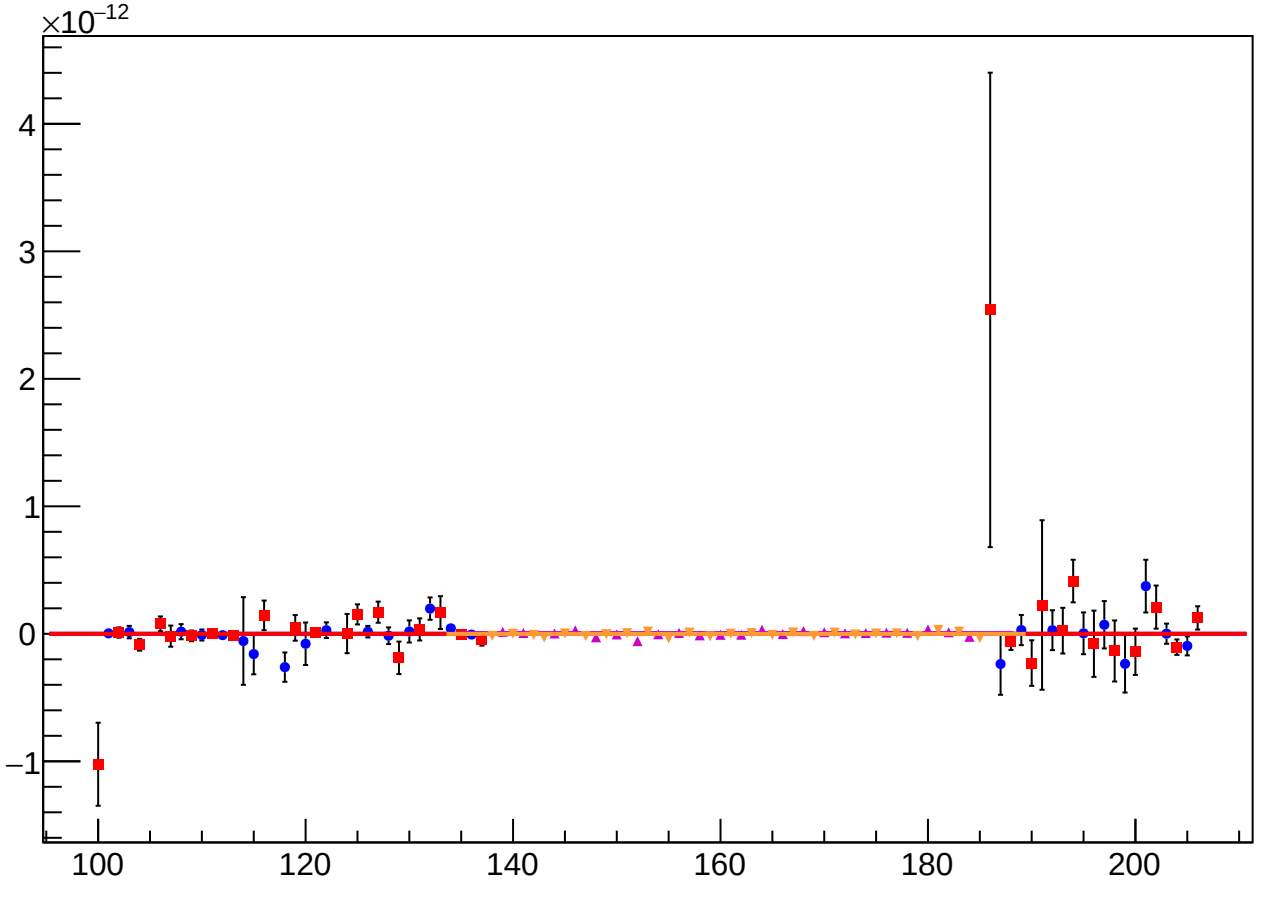
Right: 656.377+/-0.090 χ^2/NDF: 7739218.0/55

In: 407.661+/-0.054 χ^2/NDF:8215897.7/47

Out: 413.896+/-0.053 χ^2/NDF:10593720.0/55

All: 410.849+/-0.038 χ^2/NDF: 18816330.5/10

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

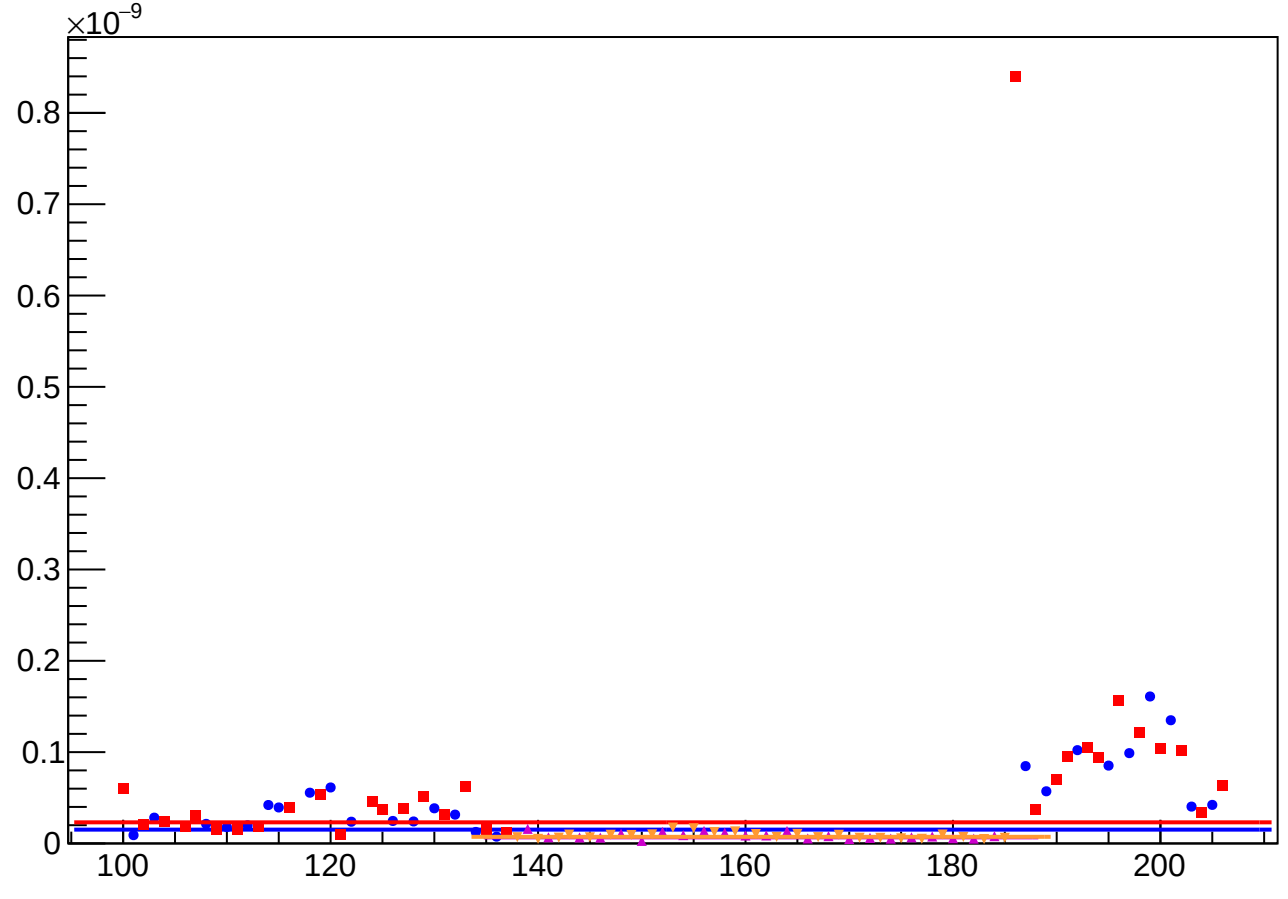
Right: 0.000+/-0.000 χ^2/NDF: 68.9/55

In: 0.000+/-0.000 χ^2/NDF:49.6/47

Out: -0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 118.2/103

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5665659.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5140568.4/30

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

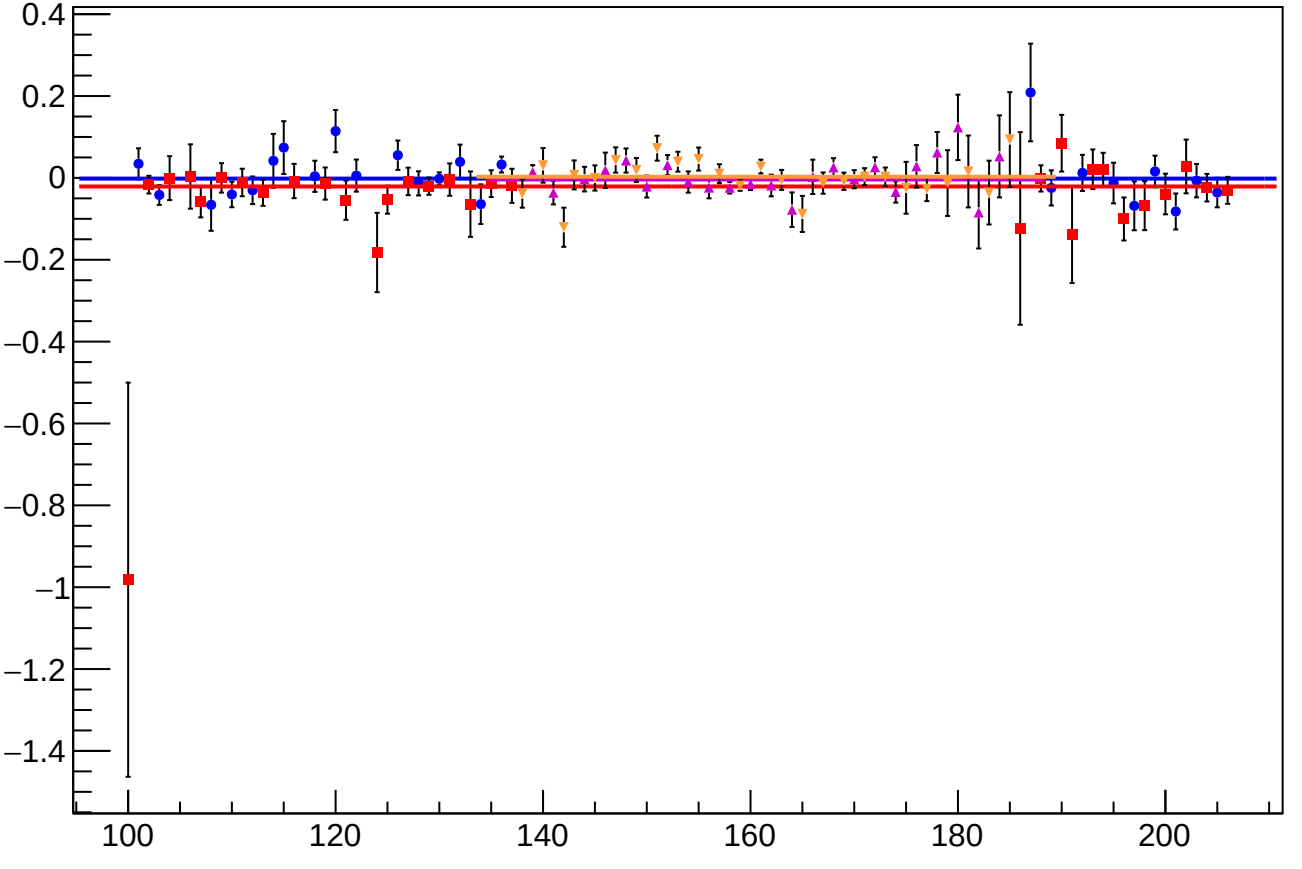
Right: 0.000+/-0.000 χ^2/NDF: 11415671.1/55

In: 0.000+/-0.000 χ^2/NDF:9074043.4/47

Out: 0.000+/-0.000 χ^2/NDF:10189969.8/55

All: 0.000+/-0.000 χ^2/NDF: 19337635.9/103

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

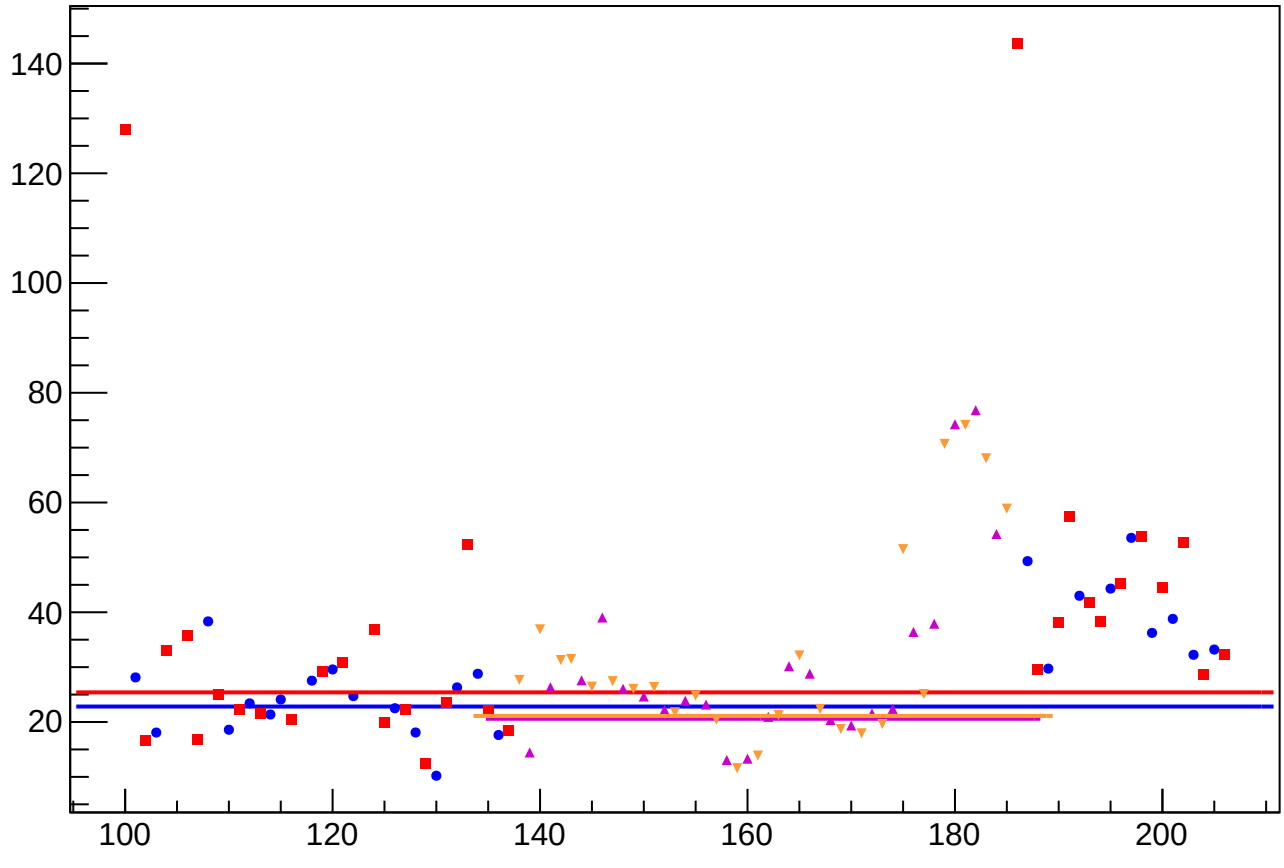
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.011+/-0.005 χ^2/NDF: 55.3/55

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.1/103



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

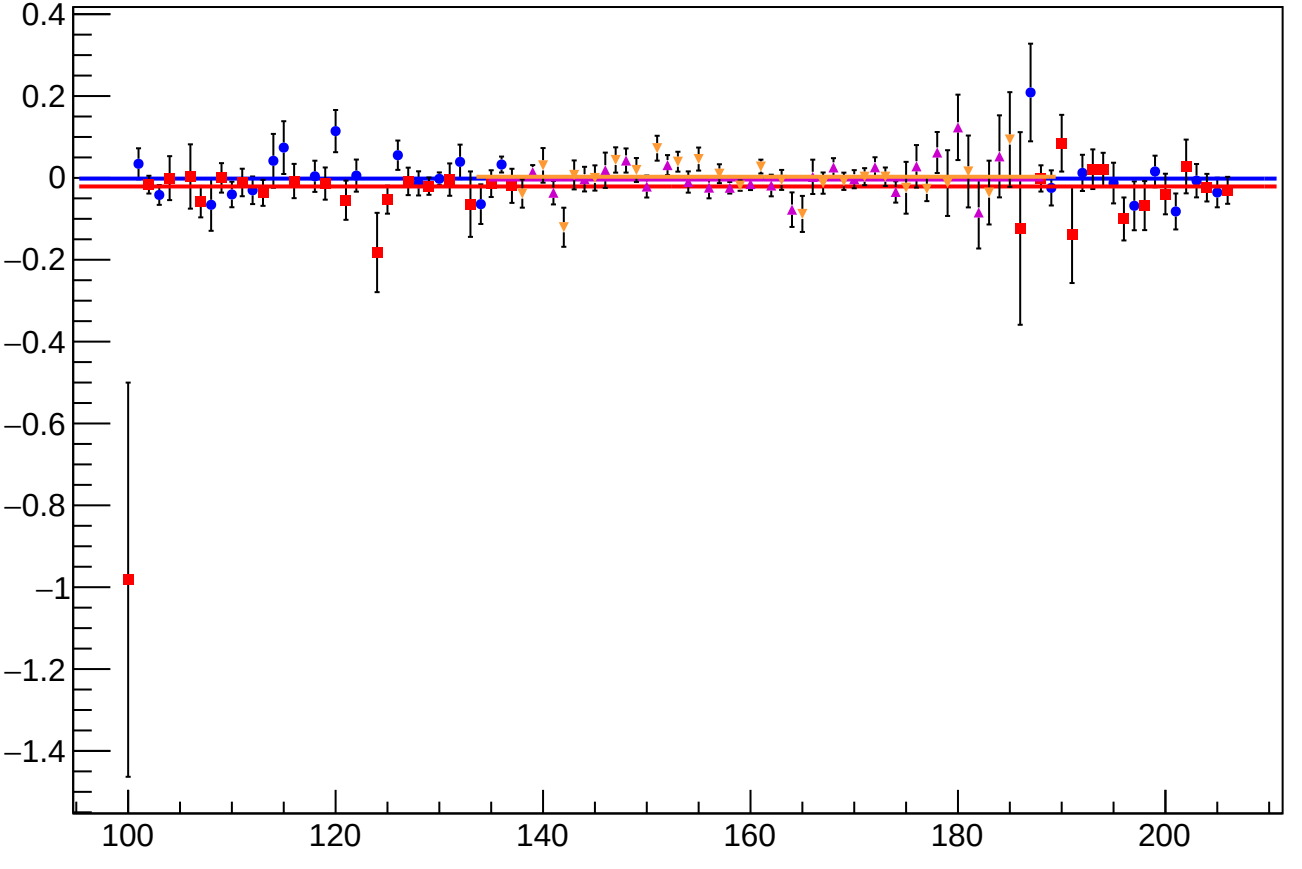
Right: 24.065+/-0.004 χ^2/NDF: 8815492.4/55

In: 21.439+/-0.003 χ^2/NDF:8868586.9/47

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.049+/-0.002 χ^2/NDF: 19491206.5/103

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

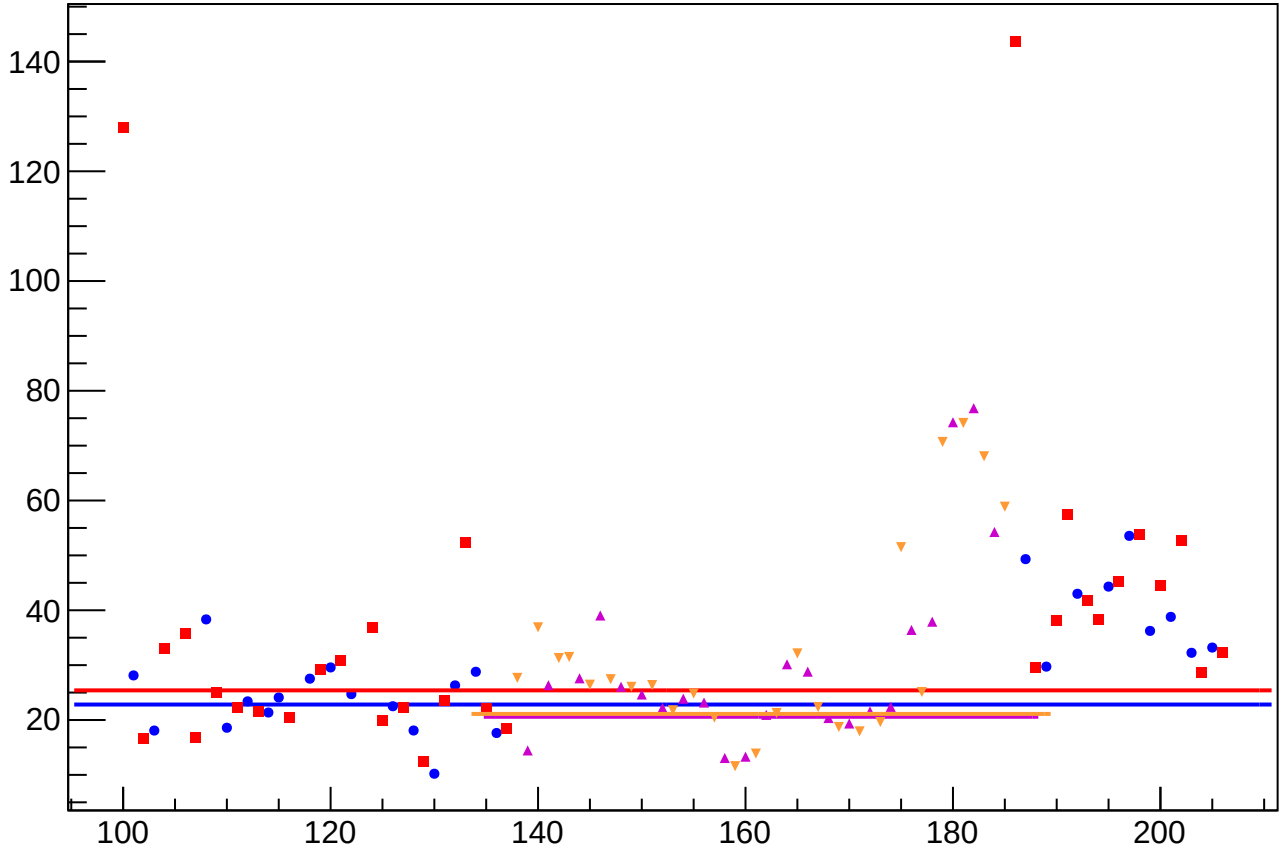
Right: -0.011+/-0.005 χ^2/NDF: 55.3/55

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.1/103

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

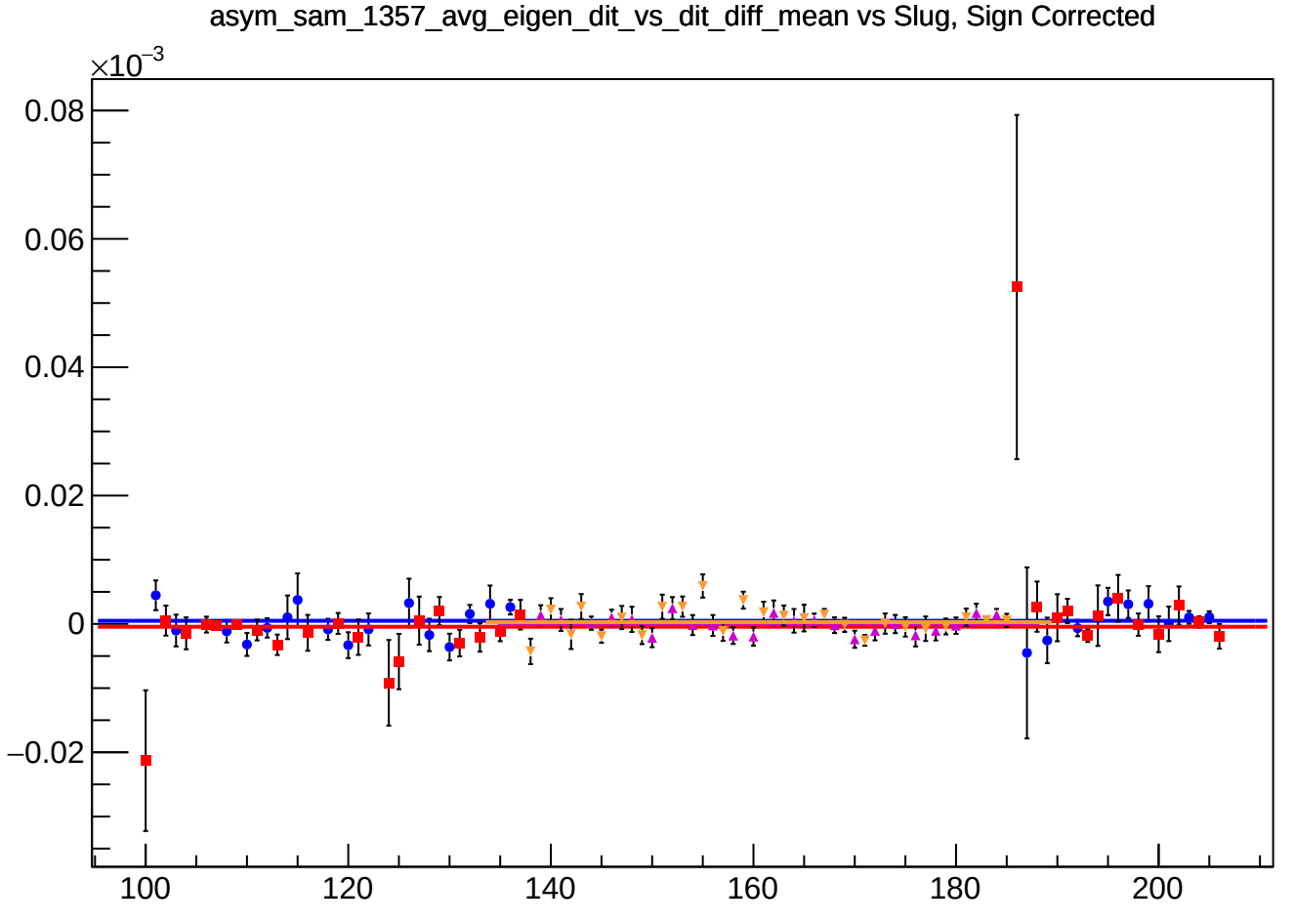
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.065+/-0.004 χ^2/NDF: 8815492.4/55

In: 21.439+/-0.003 χ^2/NDF:8868586.9/47

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.049+/-0.002 χ^2/NDF: 19491206.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

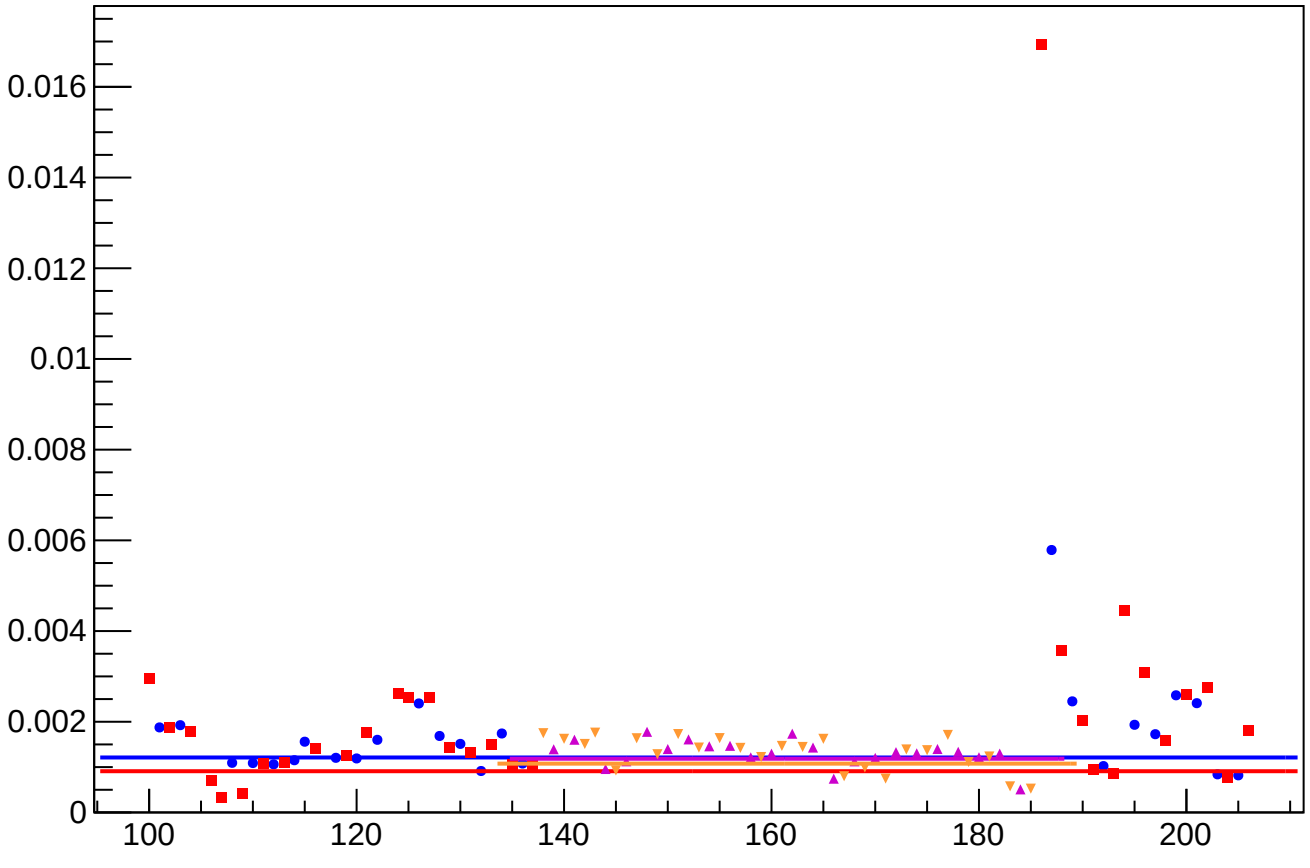
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 63.5/55

In: 0.000+/-0.000 χ^2/NDF:52.0/47

Out: -0.000+/-0.000 χ^2/NDF:84.5/55

All: 0.000+/-0.000 χ^2/NDF: 137.1/103



Right In: 0.001+/-0.000 χ^2/NDF: 3327235.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11036995.9/30

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

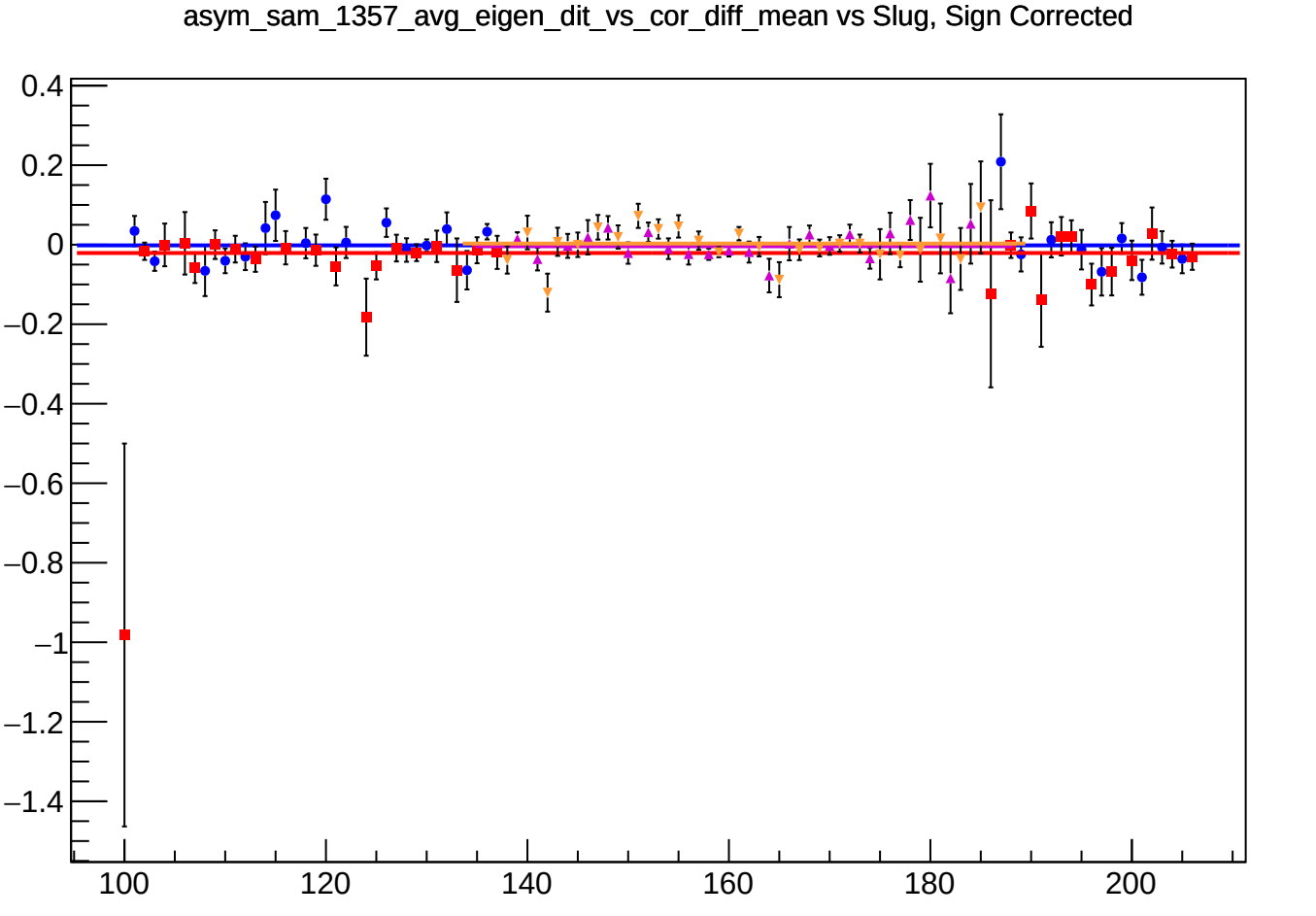
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 15241626.7/55

In: 0.001+/-0.000 χ^2/NDF:5790933.4/47

Out: 0.001+/-0.000 χ^2/NDF:15955829.7/55

All: 0.001+/-0.000 χ^2/NDF: 22623391.9/103



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

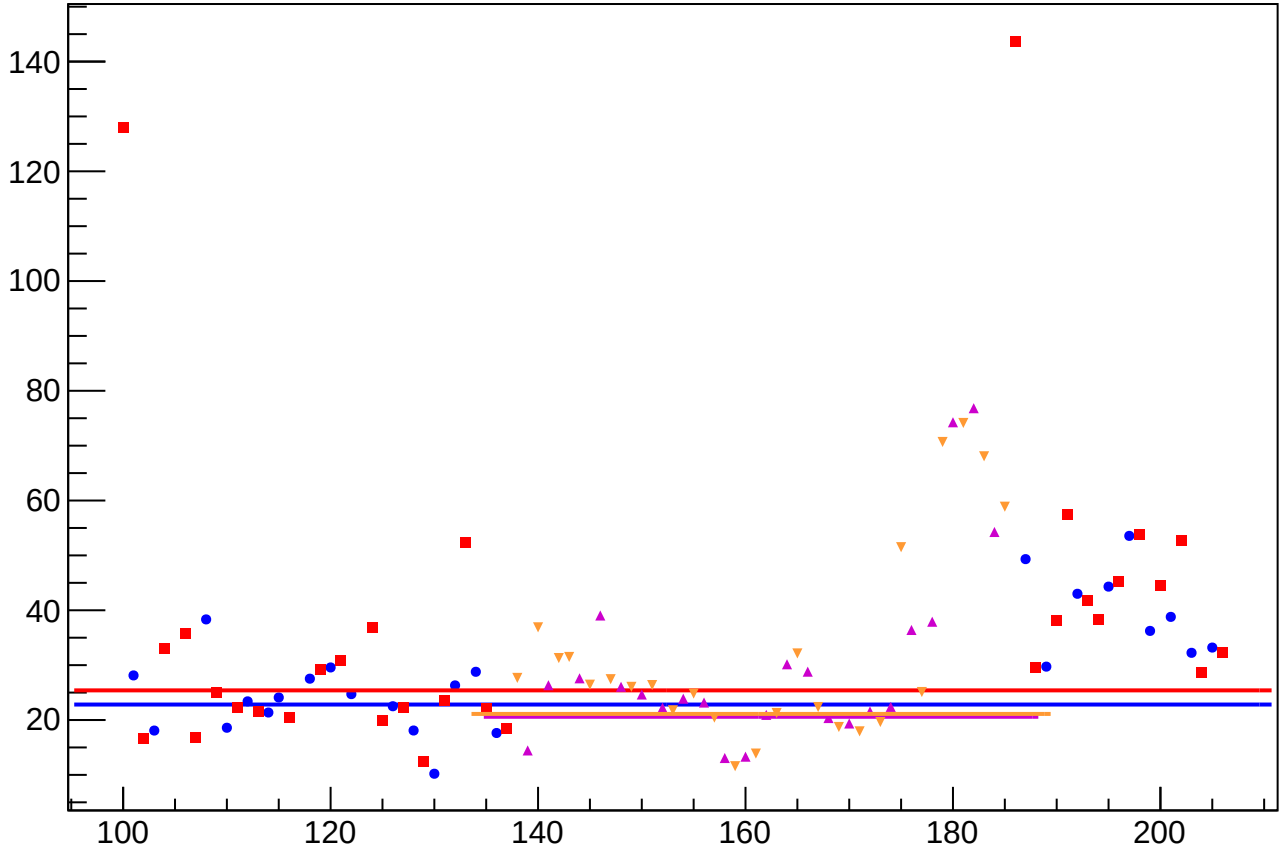
Right: -0.011+/-0.005 χ^2/NDF: 55.3/55

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.1/103

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

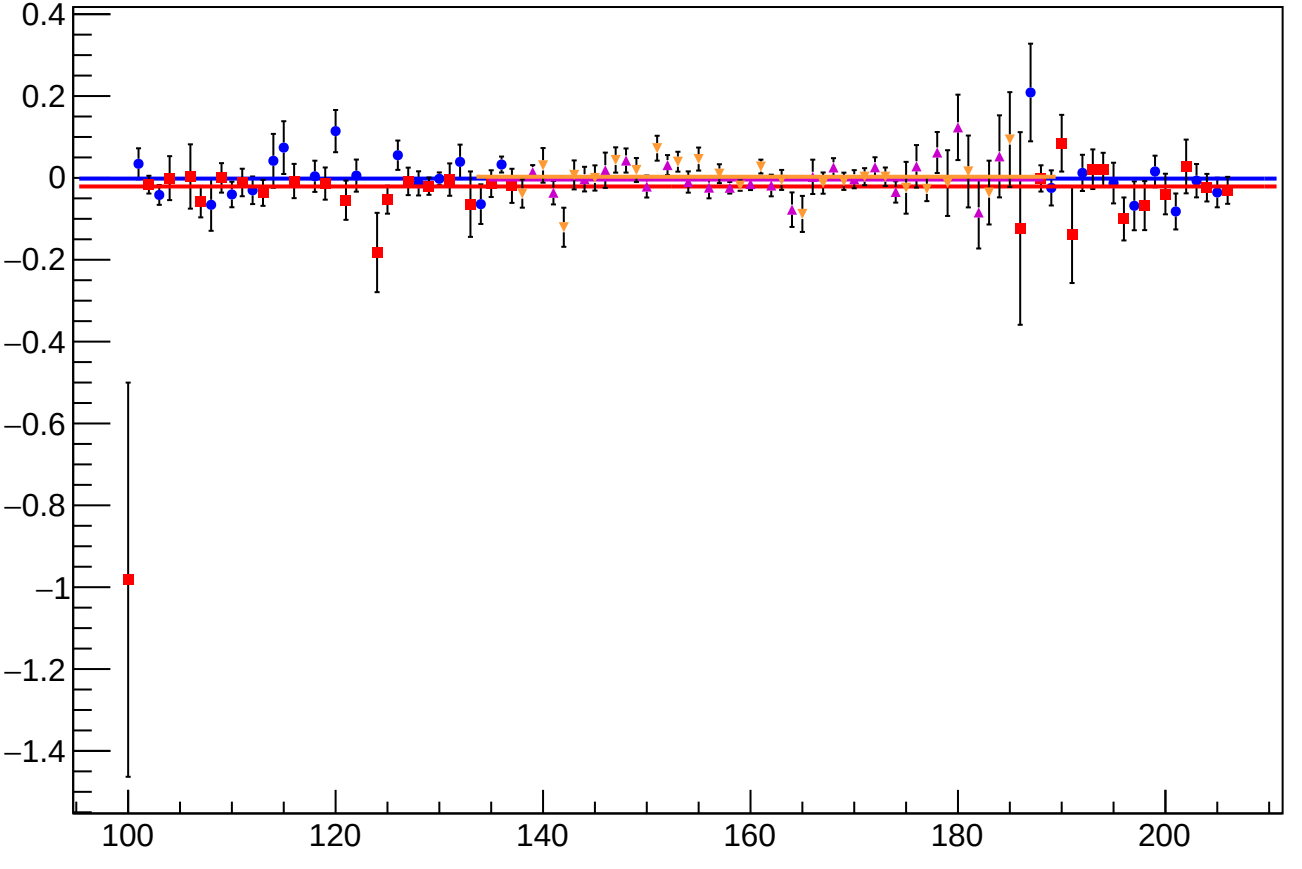
Right: 24.065+/-0.004 χ^2/NDF: 8815202.9/55

In: 21.439+/-0.003 χ^2/NDF:8868372.7/47

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.049+/-0.002 χ^2/NDF: 19491103.3/103

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

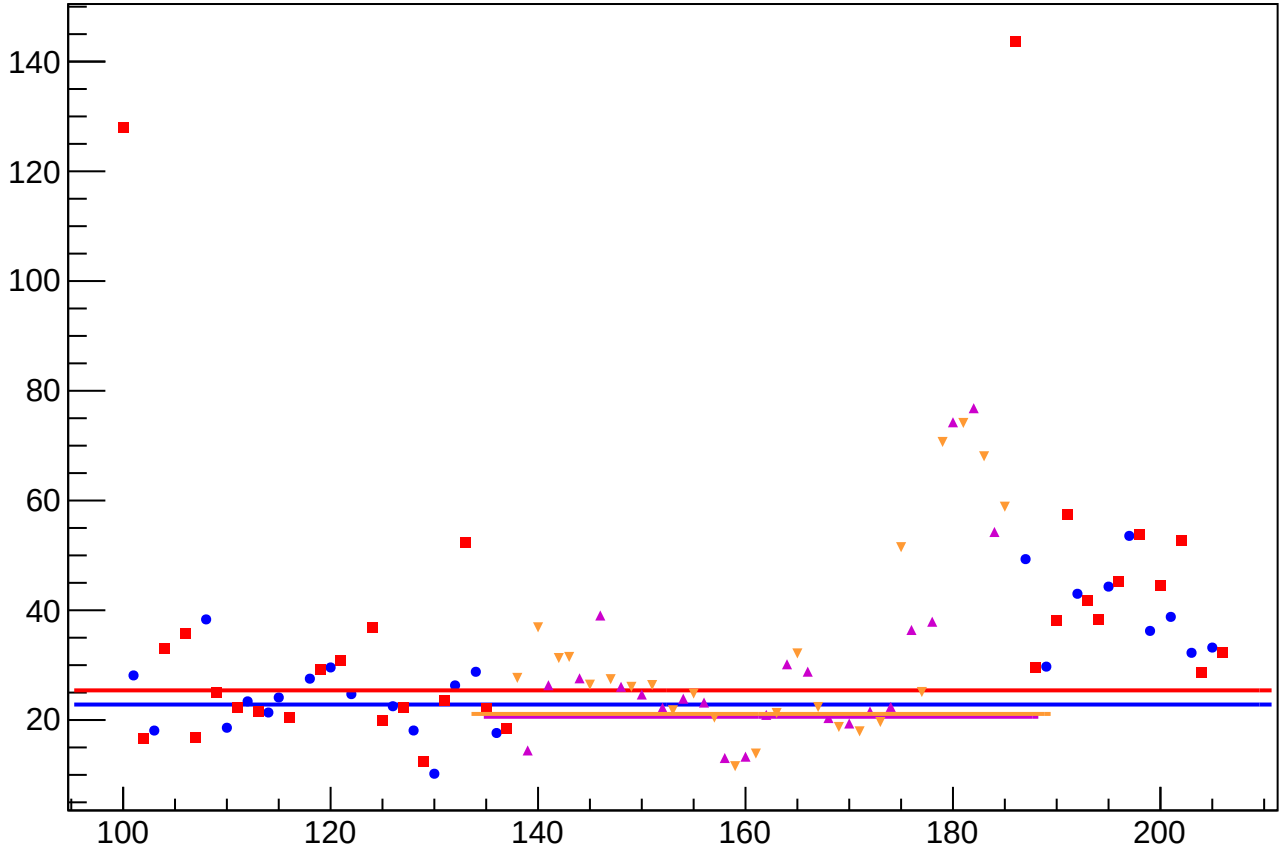
Right: -0.011+/-0.005 χ^2/NDF: 55.3/55

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.1/103

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

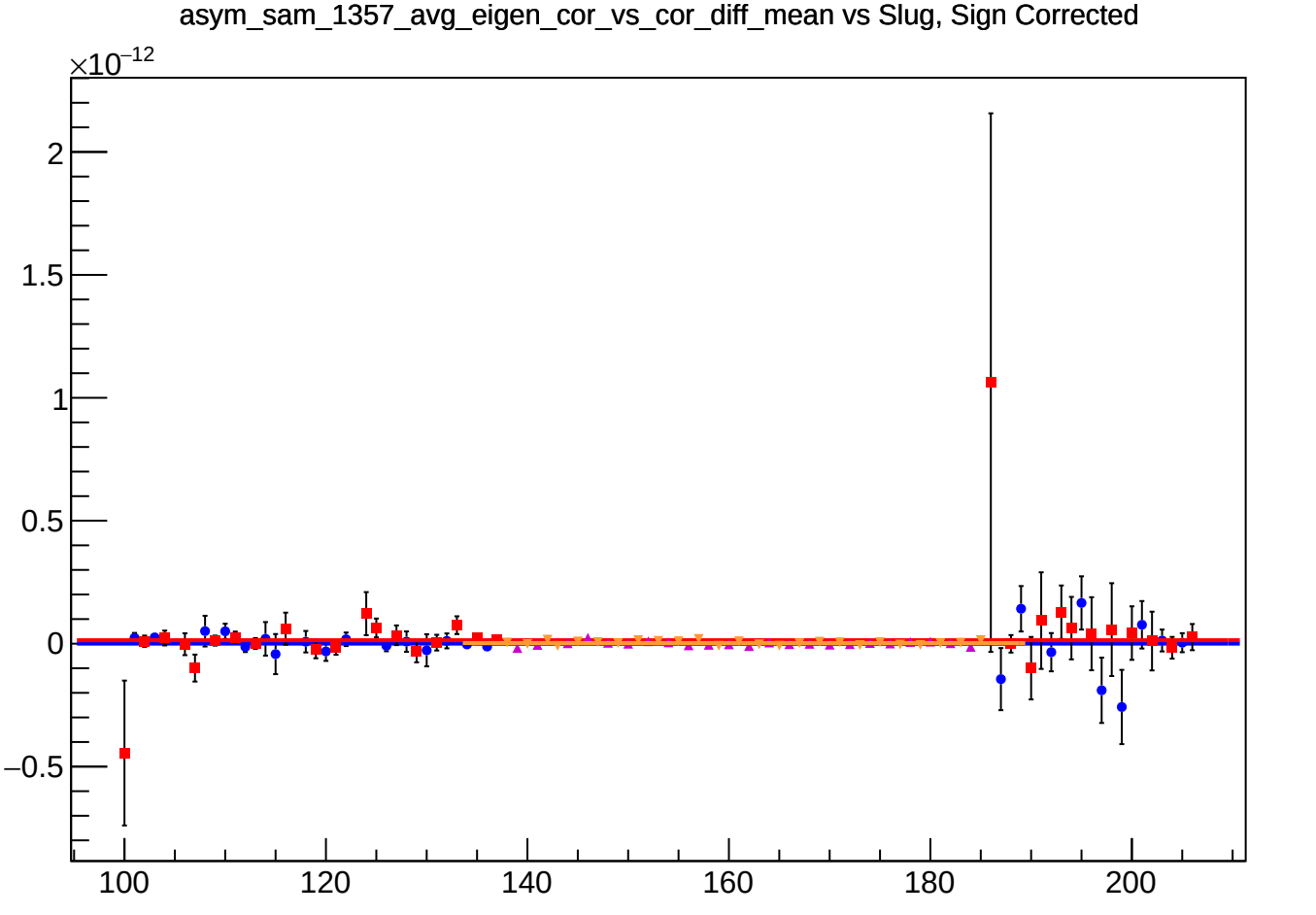
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

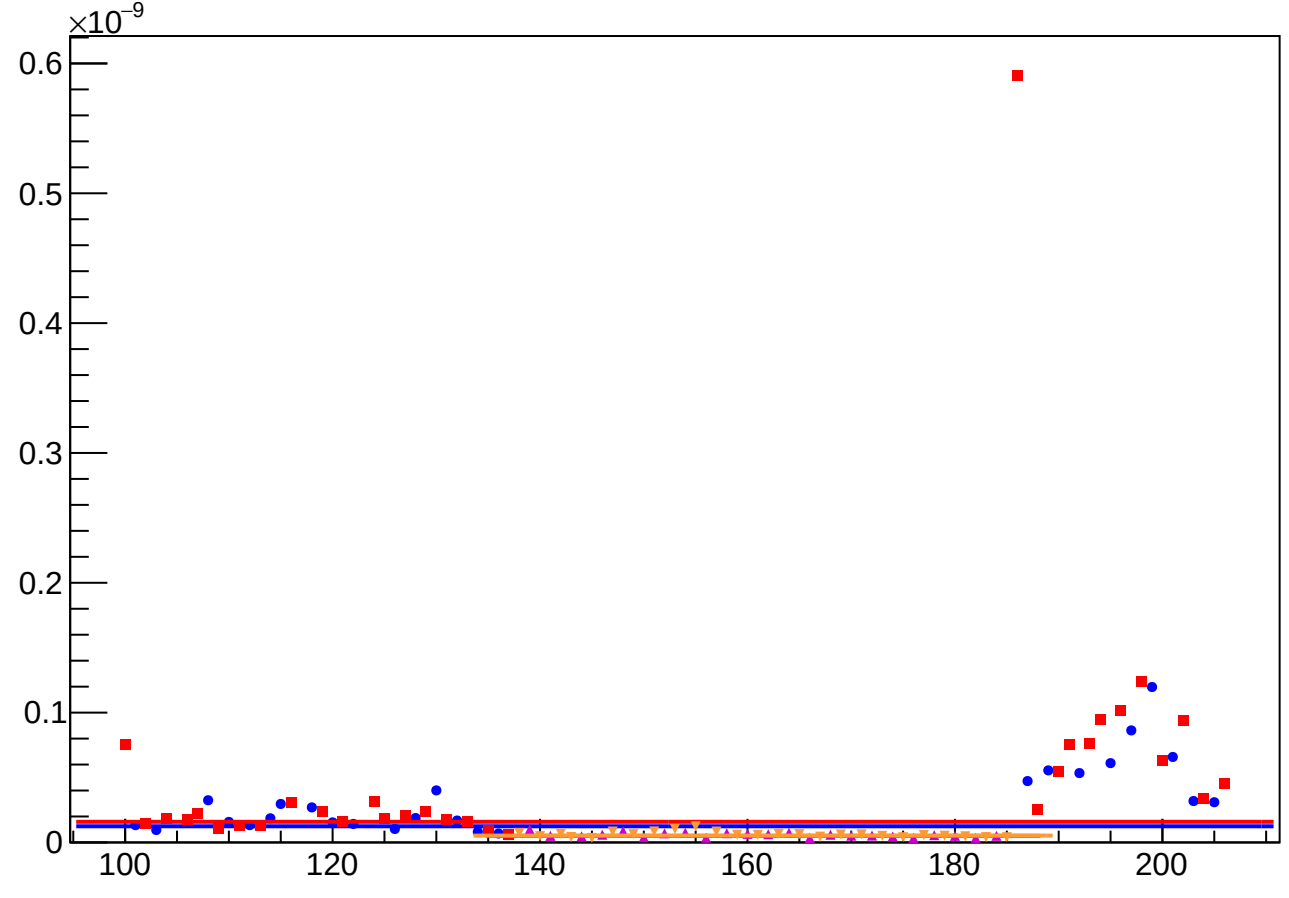
Right: 24.065+/-0.004 χ^2/NDF: 8815202.9/55

In: 21.439+/-0.003 χ^2/NDF:8868372.7/47

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.049+/-0.002 χ^2/NDF: 19491103.3/103


asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.4/24
Left Out: 0.000+/-0.000 χ²/NDF:20.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/30
Left In: 0.000+/-0.000 χ²/NDF:21.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.7/47
Right: 0.000+/-0.000 χ²/NDF: 46.9/55
In: 0.000+/-0.000 χ²/NDF:43.8/47
Out: 0.000+/-0.000 χ²/NDF:45.5/55
All: 0.000+/-0.000 χ²/NDF: 90.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6651840.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7628362.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

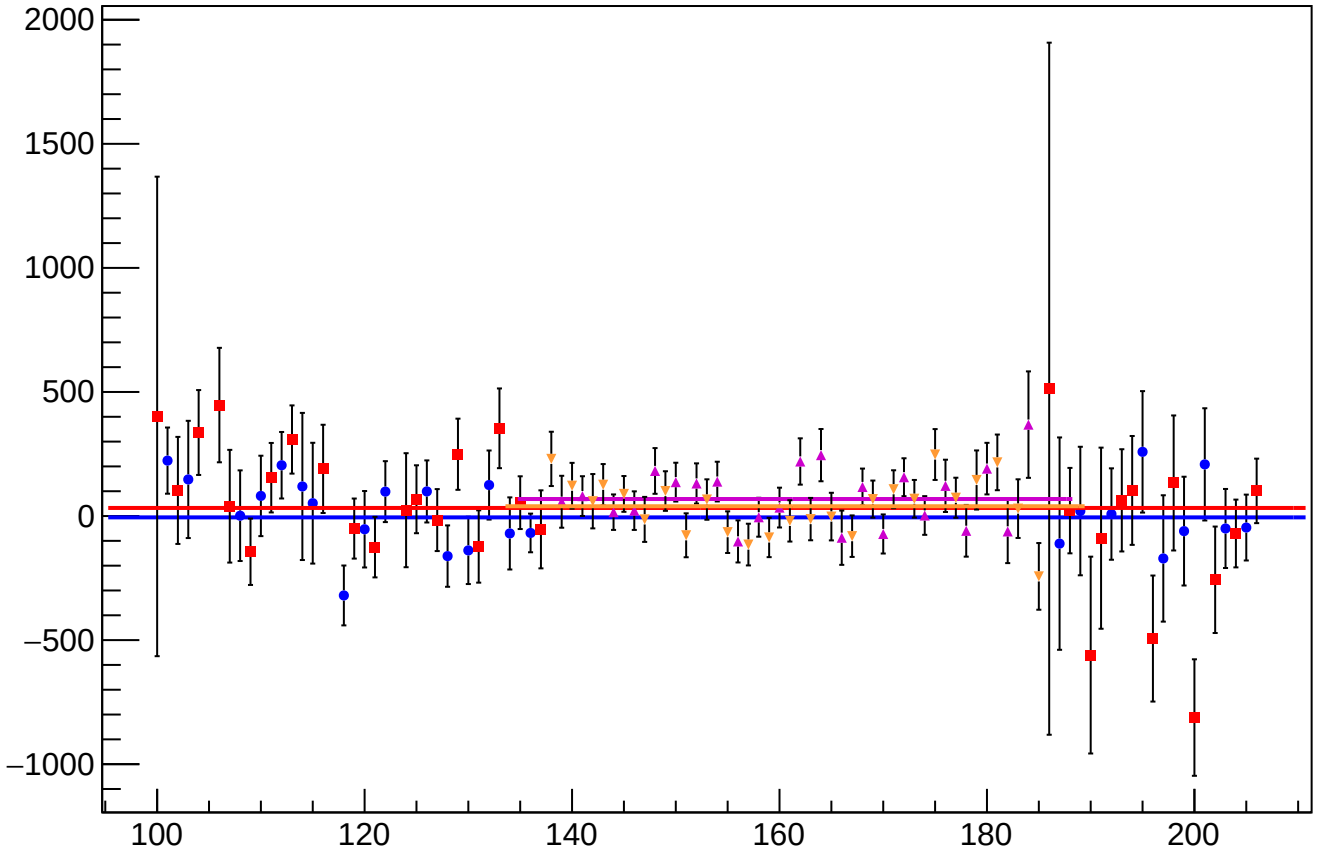
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14626043.1/55

In: 0.000+/-0.000 χ^2/NDF:11735794.5/47

Out: 0.000+/-0.000 χ^2/NDF:15127694.9/55

All: 0.000+/-0.000 χ^2/NDF: 26889933.6/103



Right In: -5.394+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.599+/-30.206 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

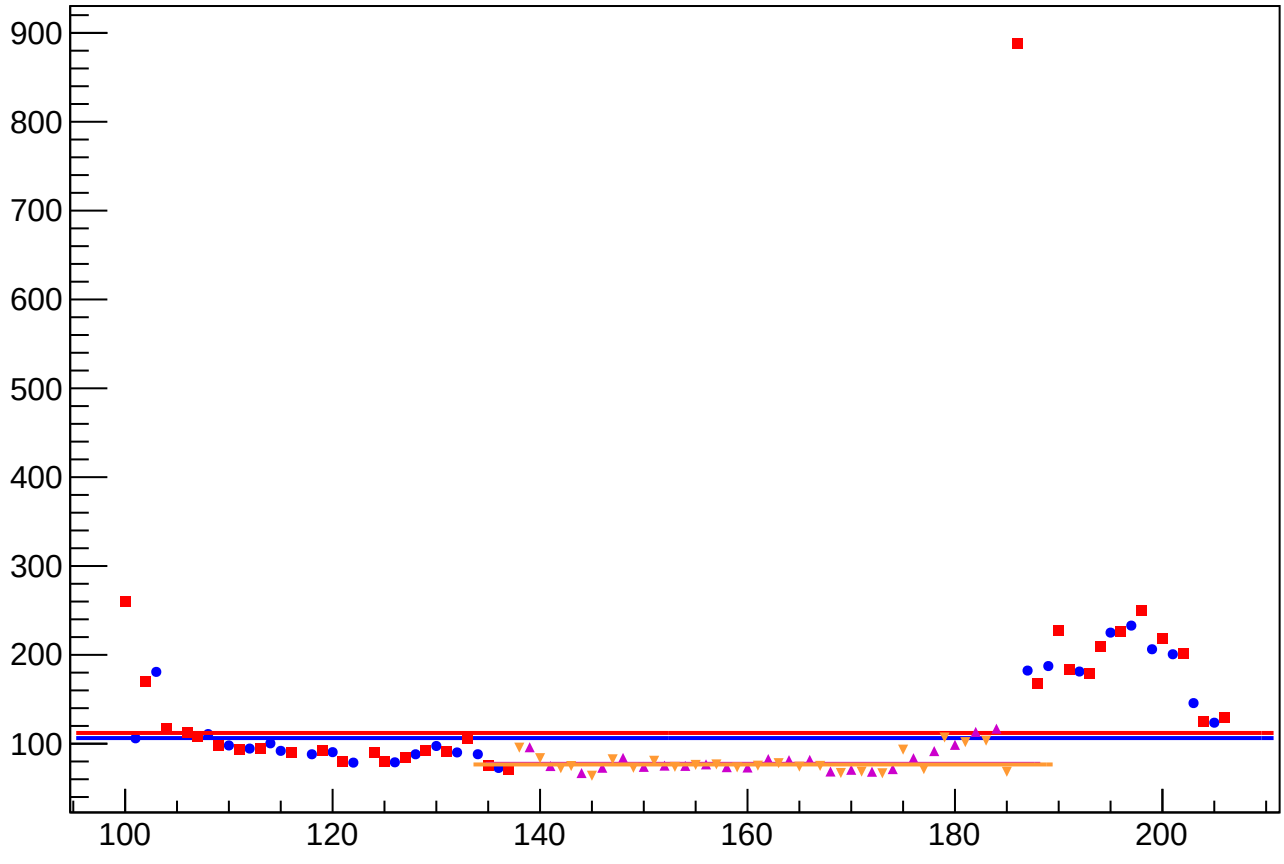
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 13.837+/-21.491 χ^2/NDF: 69.2/55

In: 49.079+/-15.714 χ^2/NDF:55.0/47

Out: 37.724+/-15.250 χ^2/NDF:78.7/55

All: 43.231+/-10.944 χ^2/NDF: 134.0/103



Right In: 106.329+/-0.022 χ^2/NDF: 3449652.9/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 112.098+/-0.021 χ^2/NDF: 4608233.6/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

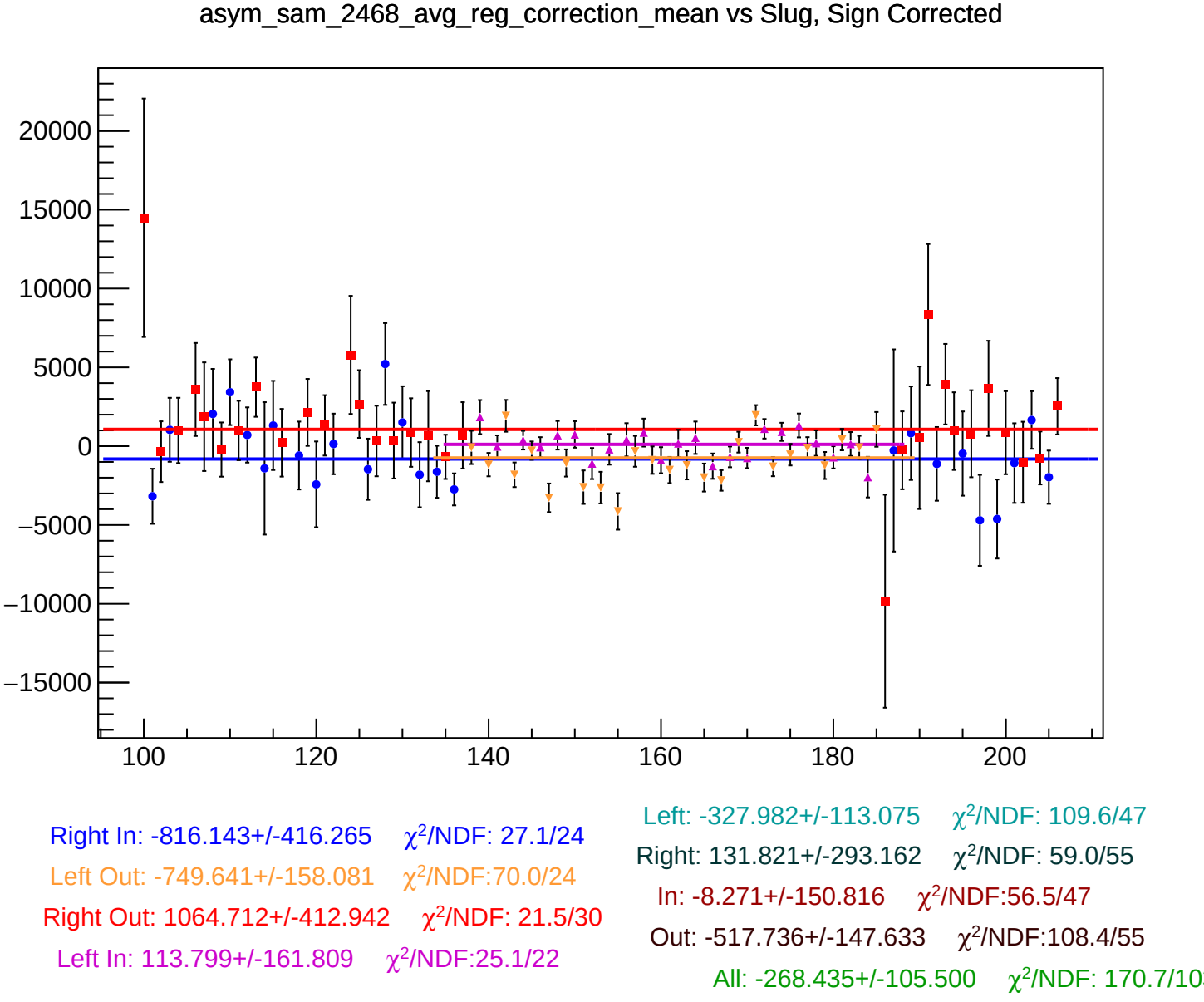
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

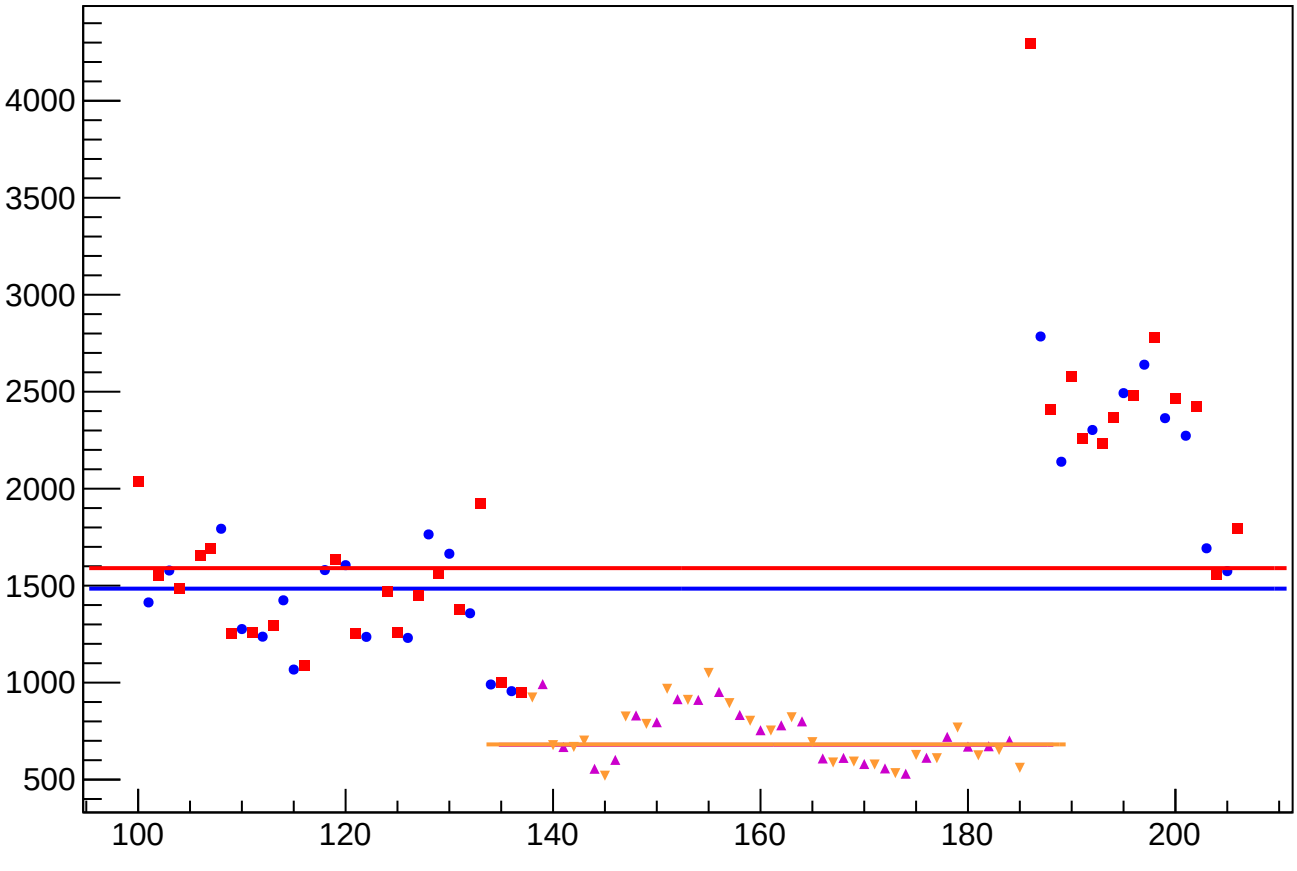
Right: 109.249+/-0.015 χ^2/NDF: 8093910.1/55

In: 85.000+/-0.011 χ^2/NDF:5361865.8/47

Out: 85.682+/-0.011 χ^2/NDF:7315586.2/55

All: 85.351+/-0.008 χ^2/NDF: 12679393.5/103


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -816.143+/-416.265 χ²/NDF: 27.1/24
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1064.712+/-412.942 χ²/NDF: 21.5/30
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 131.821+/-293.162 χ²/NDF: 59.0/55
In: -8.271+/-150.816 χ²/NDF:56.5/47
Out: -517.736+/-147.633 χ²/NDF:108.4/55
All: -268.435+/-105.500 χ²/NDF: 170.7/103



Right In: 1484.568+/-0.294 χ^2/NDF: 2476182.5/24

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1590.305+/-0.292 χ^2/NDF: 2999117.0/30

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

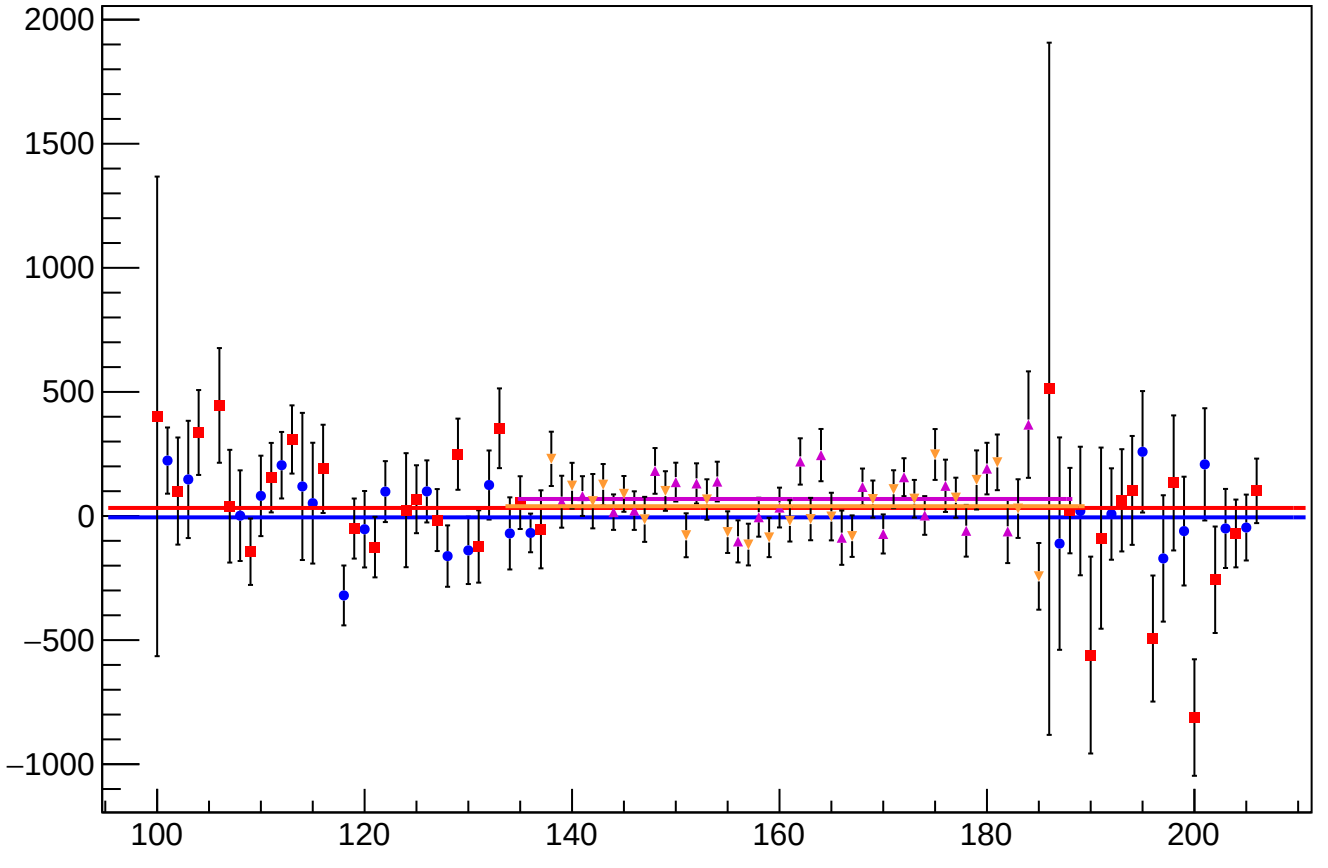
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1537.860+/-0.207 χ^2/NDF: 5540339.9/55

In: 785.103+/-0.107 χ^2/NDF:10161774.1/47

Out: 797.597+/-0.104 χ^2/NDF:12783599.0/55

All: 791.483+/-0.075 χ^2/NDF: 22952382.1/10



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.491+/-30.208 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

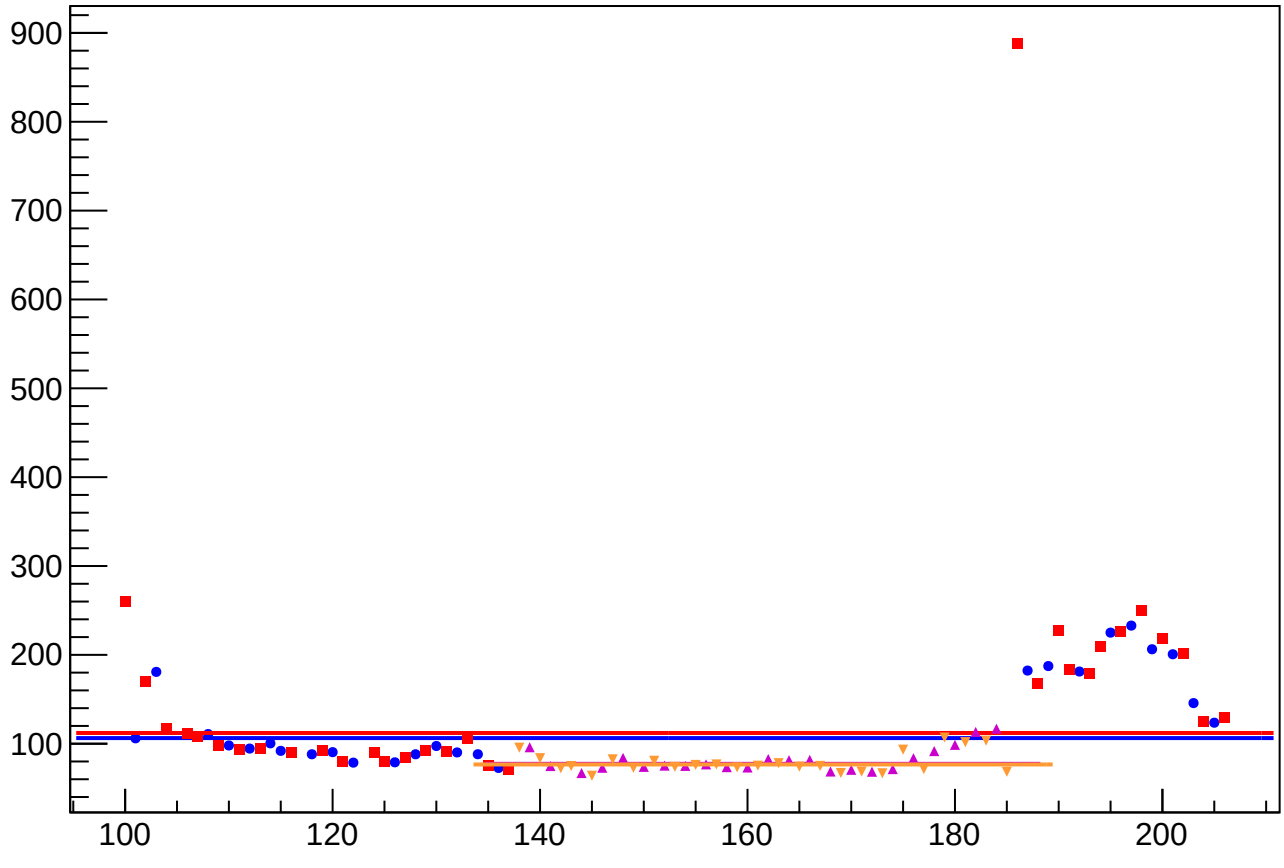
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 13.777+/-21.491 χ^2/NDF: 69.2/55

In: 49.076+/-15.714 χ^2/NDF:55.0/47

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 43.219+/-10.944 χ^2/NDF: 134.0/103



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

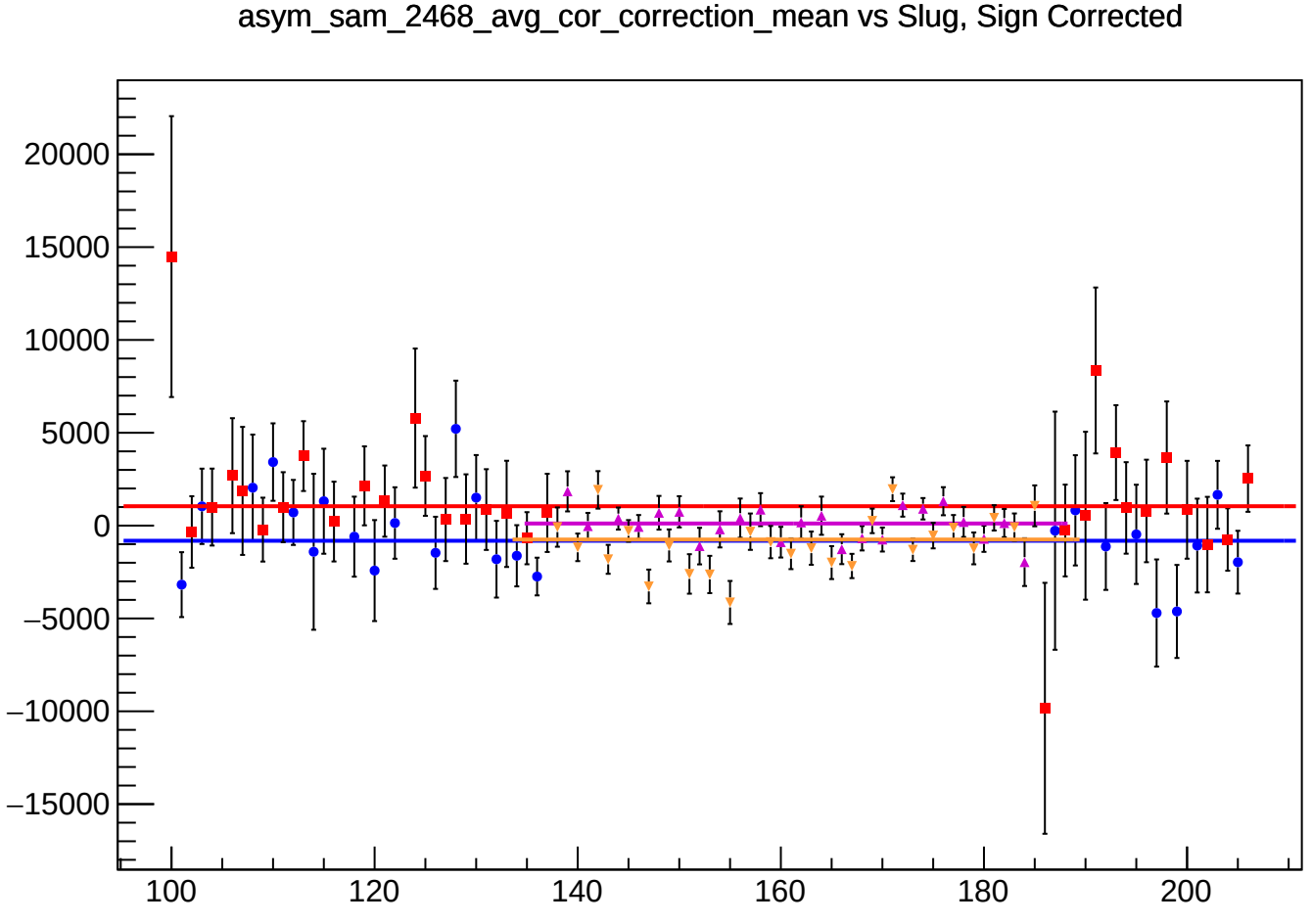
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

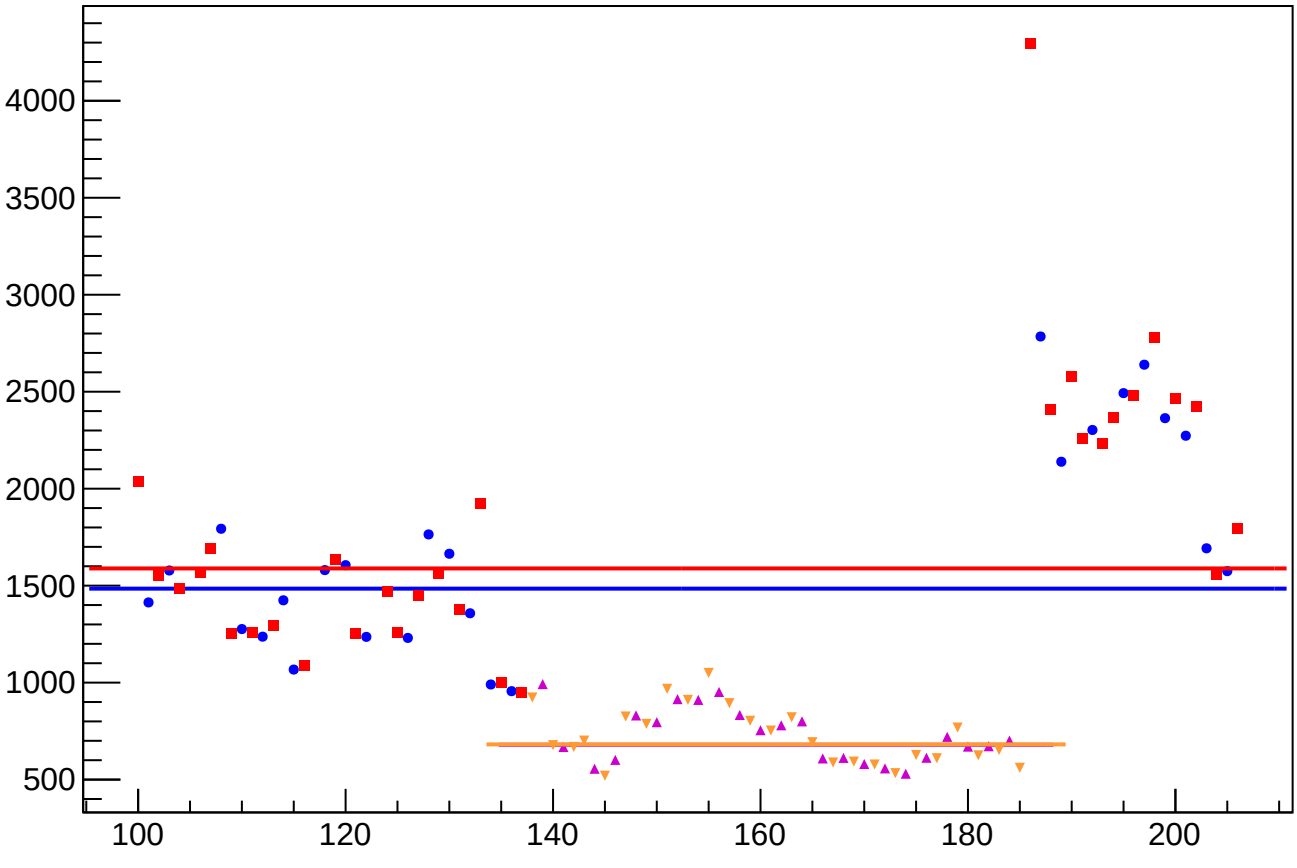
Right: 109.238+/-0.015 χ^2/NDF: 8093881.9/55

In: 85.000+/-0.011 χ^2/NDF:5361869.4/47

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.348+/-0.008 χ^2/NDF: 12676912.8/103


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -816.115+/-416.266 χ²/NDF: 27.1/24
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1044.421+/-413.326 χ²/NDF: 21.1/30
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 120.746+/-293.300 χ²/NDF: 58.3/55
In: -8.266+/-150.816 χ²/NDF:56.5/47
Out: -520.694+/-147.650 χ²/NDF:107.5/55
All: -269.914+/-105.506 χ²/NDF: 169.9/103



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

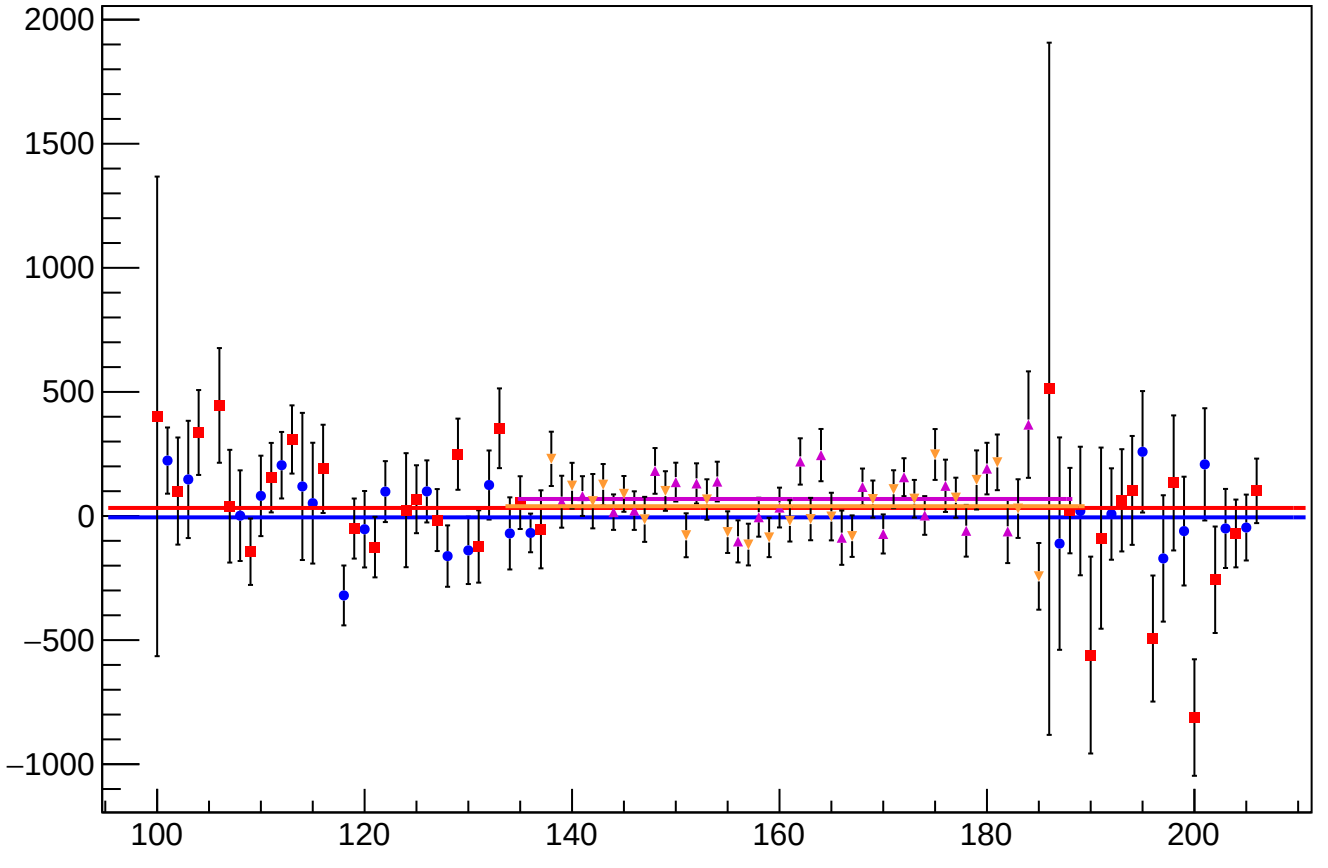
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1537.004+/-0.207 χ^2/NDF: 5537388.9/55

In: 785.103+/-0.107 χ^2/NDF:10161808.7/47

Out: 797.203+/-0.104 χ^2/NDF:12739159.1/55

All: 791.281+/-0.075 χ^2/NDF: 22907541.2/10



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.491+/-30.208 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

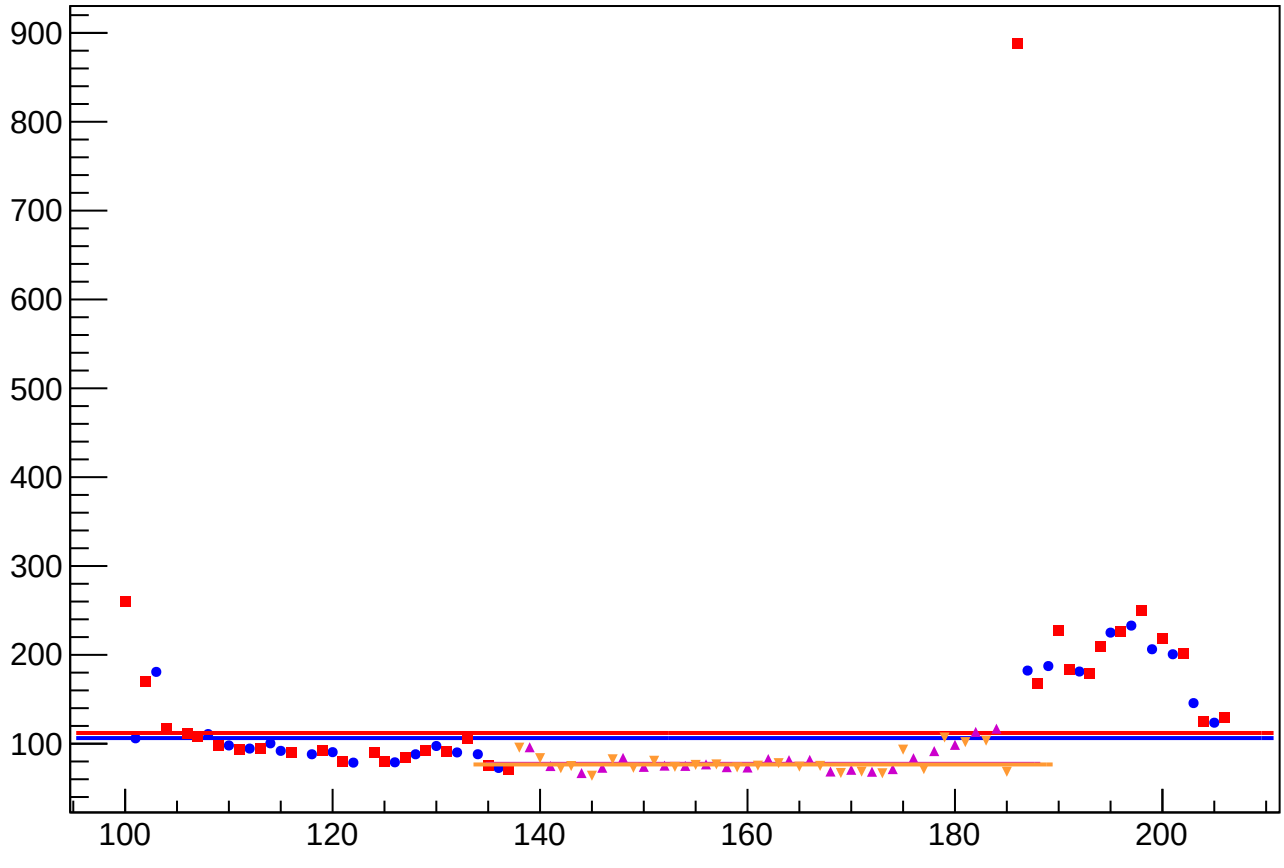
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 13.777+/-21.491 χ^2/NDF: 69.2/55

In: 49.076+/-15.714 χ^2/NDF:55.0/47

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 43.219+/-10.944 χ^2/NDF: 134.0/103



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

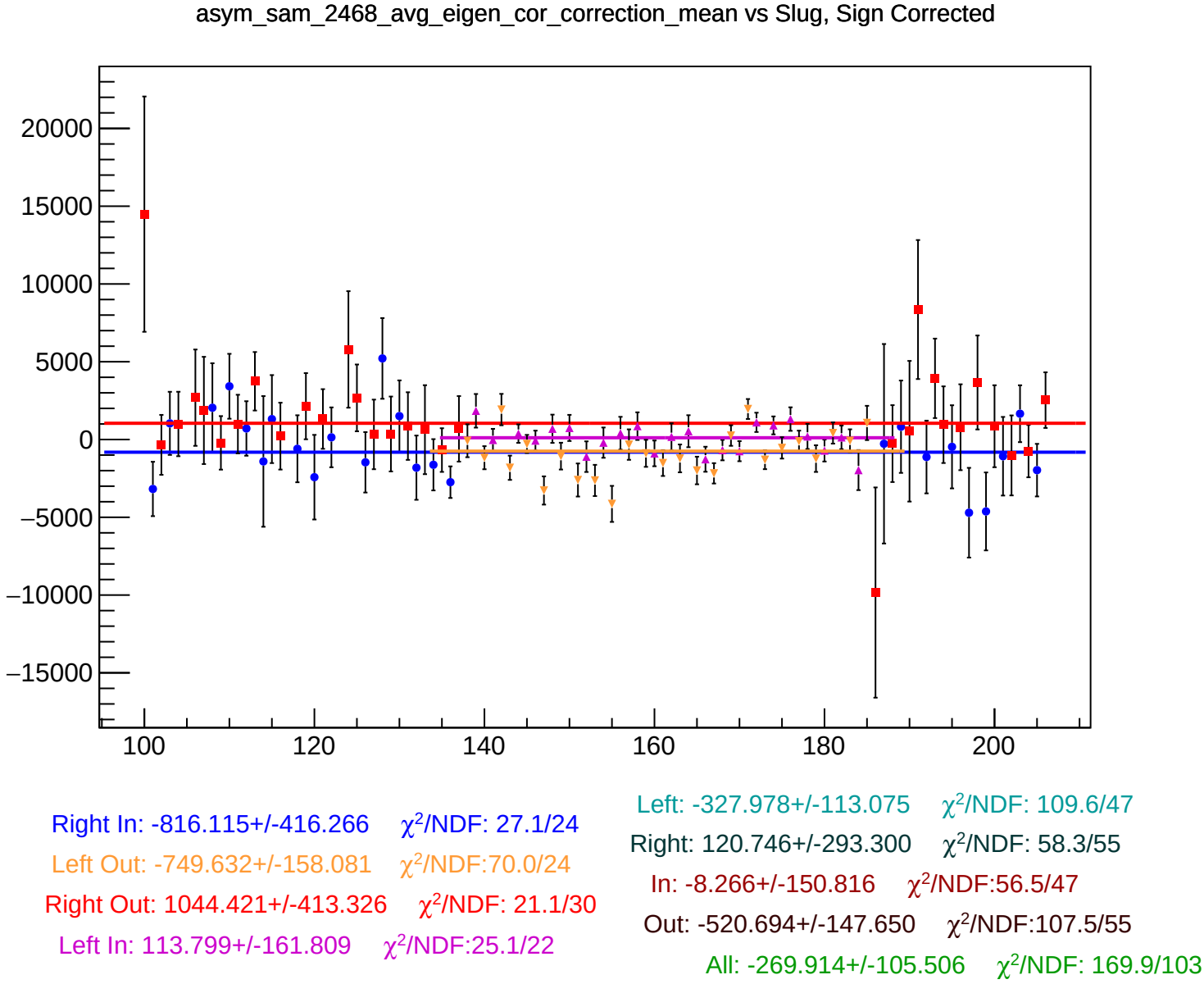
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 109.238+/-0.015 χ^2/NDF: 8093881.9/55

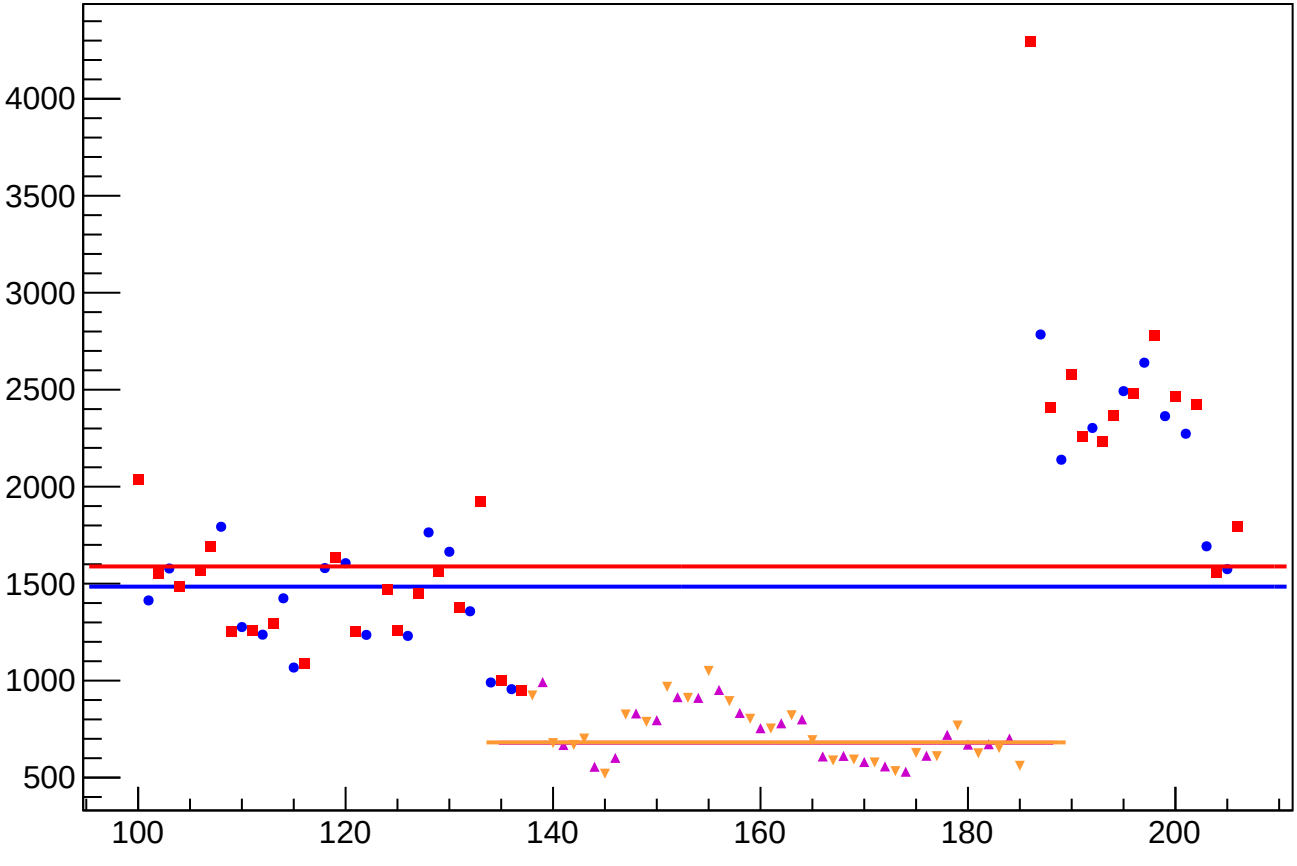
In: 85.000+/-0.011 χ^2/NDF:5361869.4/47

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.348+/-0.008 χ^2/NDF: 12676912.8/103


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -816.115+/-416.266 χ²/NDF: 27.1/24
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1044.421+/-413.326 χ²/NDF: 21.1/30
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 120.746+/-293.300 χ²/NDF: 58.3/55
In: -8.266+/-150.816 χ²/NDF:56.5/47
Out: -520.694+/-147.650 χ²/NDF:107.5/55
All: -269.914+/-105.506 χ²/NDF: 169.9/103

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

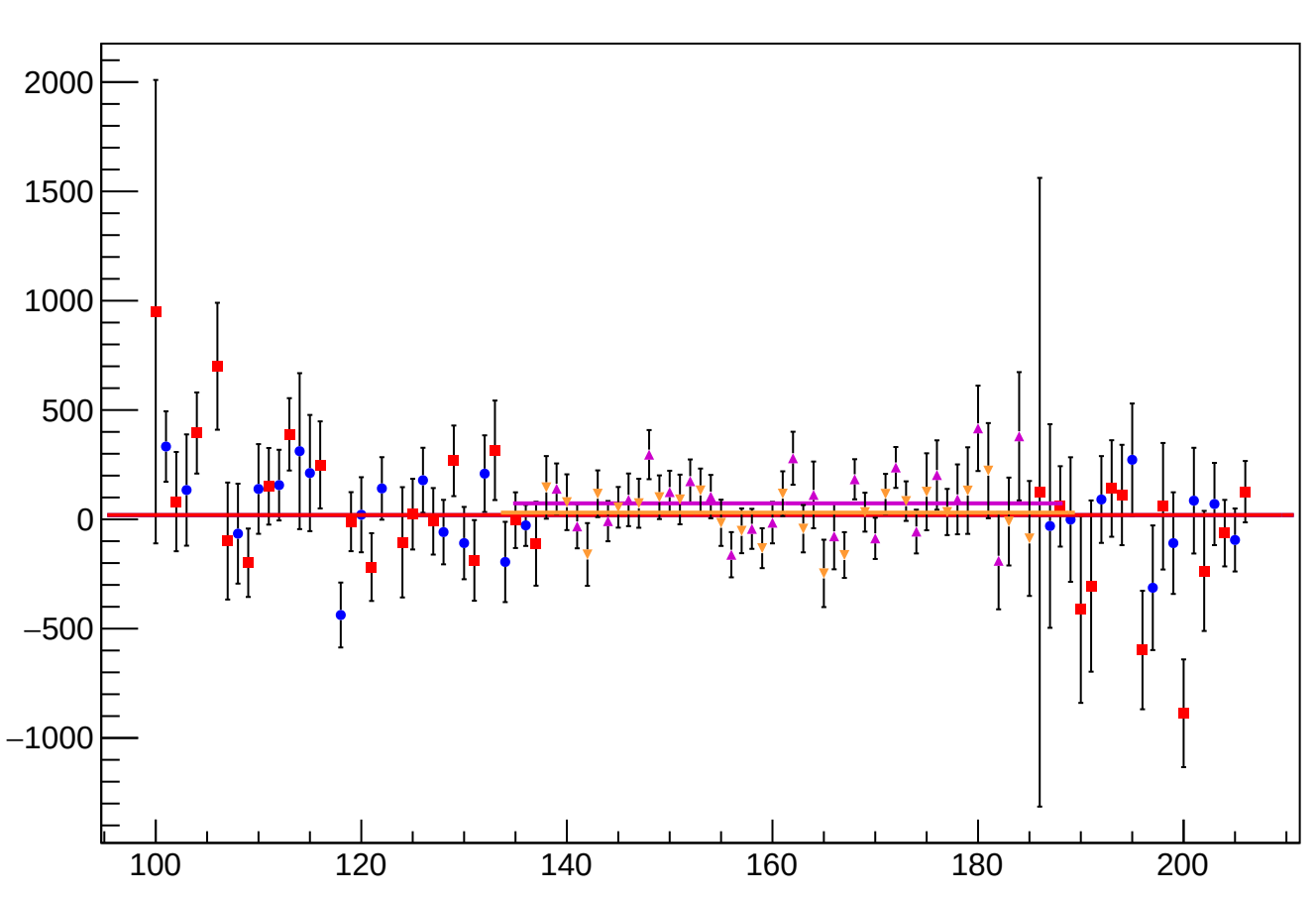
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1537.004+/-0.207 χ^2/NDF: 5537388.9/55

In: 785.103+/-0.107 χ^2/NDF:10161808.7/47

Out: 797.203+/-0.104 χ^2/NDF:12739159.1/55

All: 791.281+/-0.075 χ^2/NDF: 22907541.2/10



Right In: 19.129+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 19.703+/-35.121 χ^2/NDF: 50.7/30

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

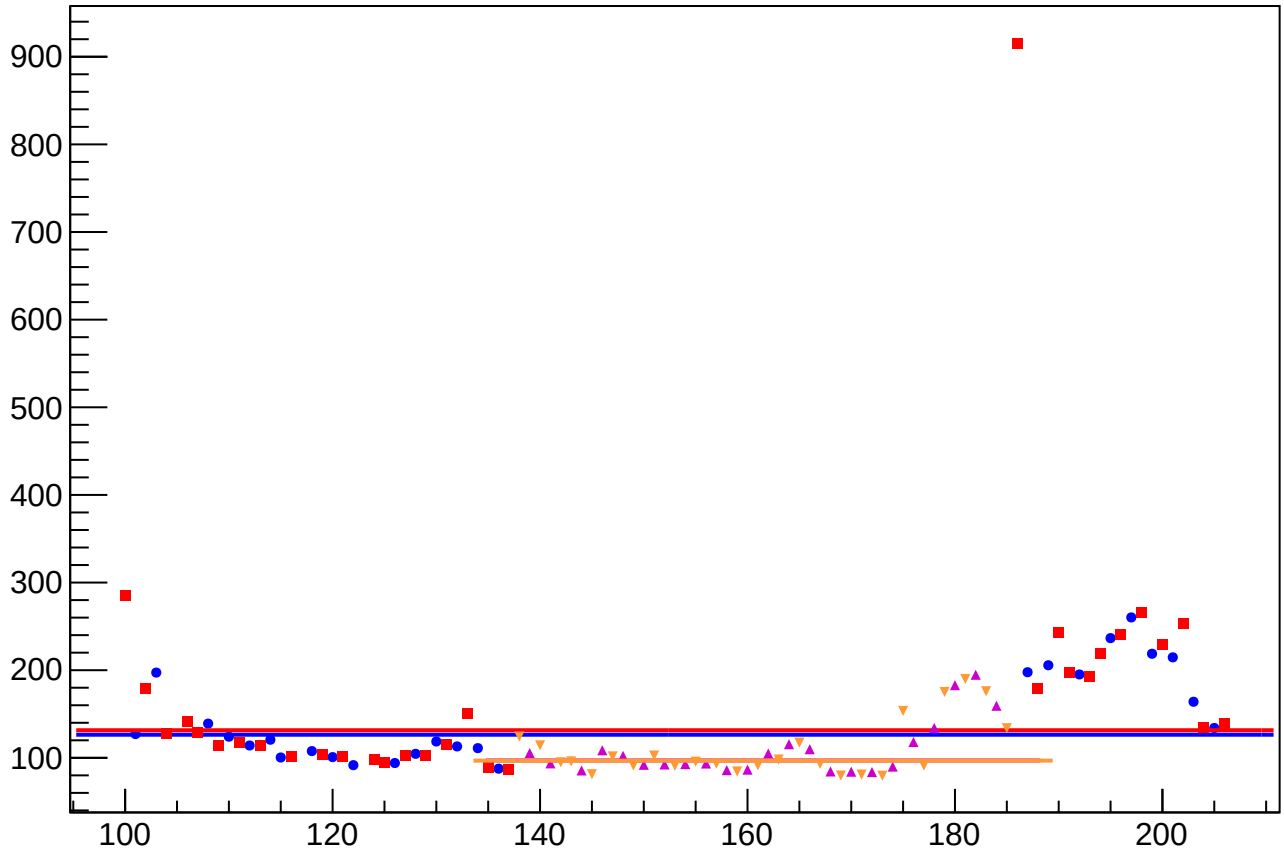
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 19.423+/-25.150 χ^2/NDF: 75.6/55

In: 57.016+/-19.689 χ^2/NDF:61.0/47

Out: 27.417+/-19.157 χ^2/NDF:70.7/55

All: 41.810+/-13.730 χ^2/NDF: 132.8/103



Right In: 126.388+/-0.025 χ^2/NDF: 2811896.2/24

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 131.502+/-0.025 χ^2/NDF: 3875112.9/30

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

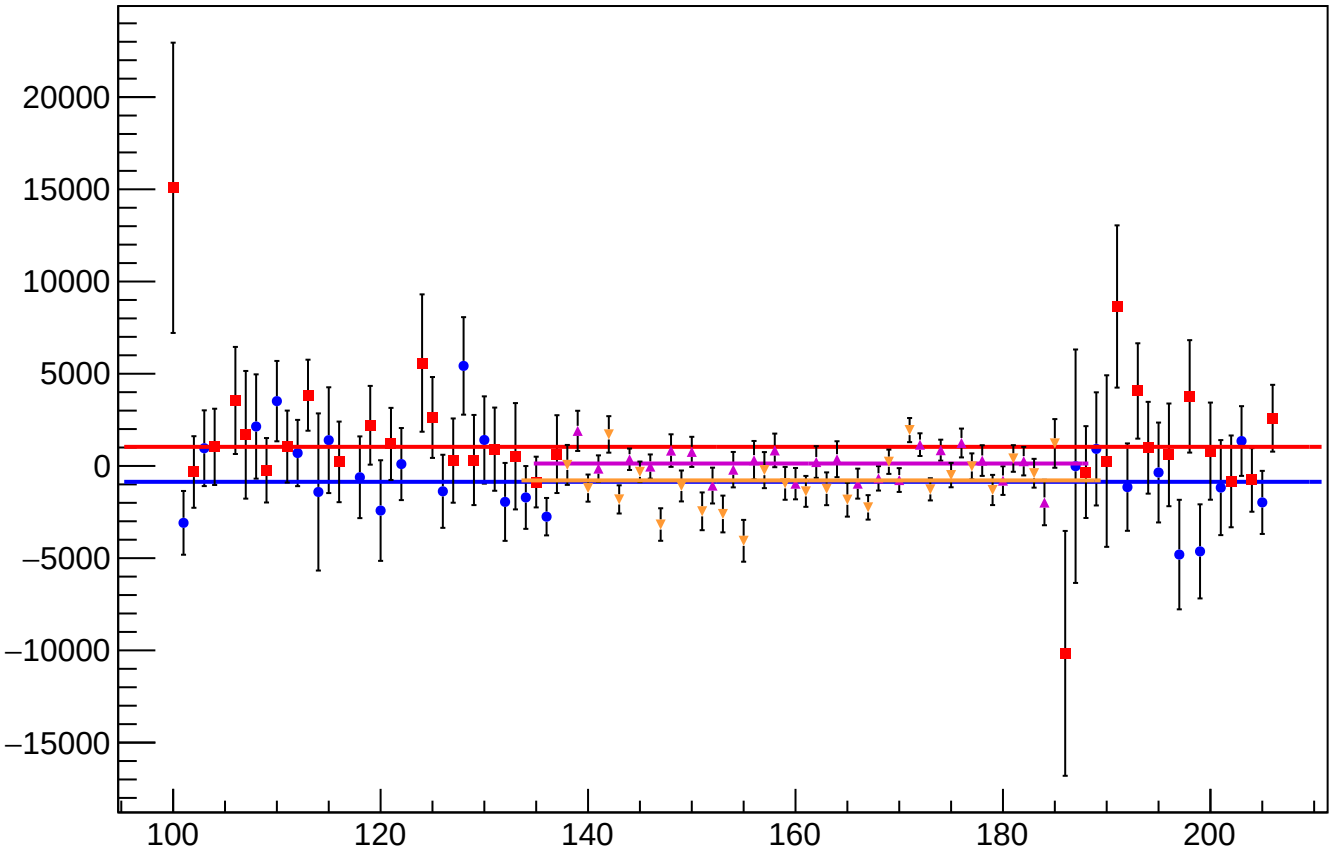
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 129.010+/-0.018 χ^2/NDF: 6707671.2/55

In: 105.788+/-0.014 χ^2/NDF:5065220.7/47

Out: 107.120+/-0.014 χ^2/NDF:6967597.1/55

All: 106.472+/-0.010 χ^2/NDF: 12037522.5/10



Right In: -860.799+/-422.750 χ^2/NDF: 26.4/24

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1035.567+/-416.855 χ^2/NDF: 22.5/30

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

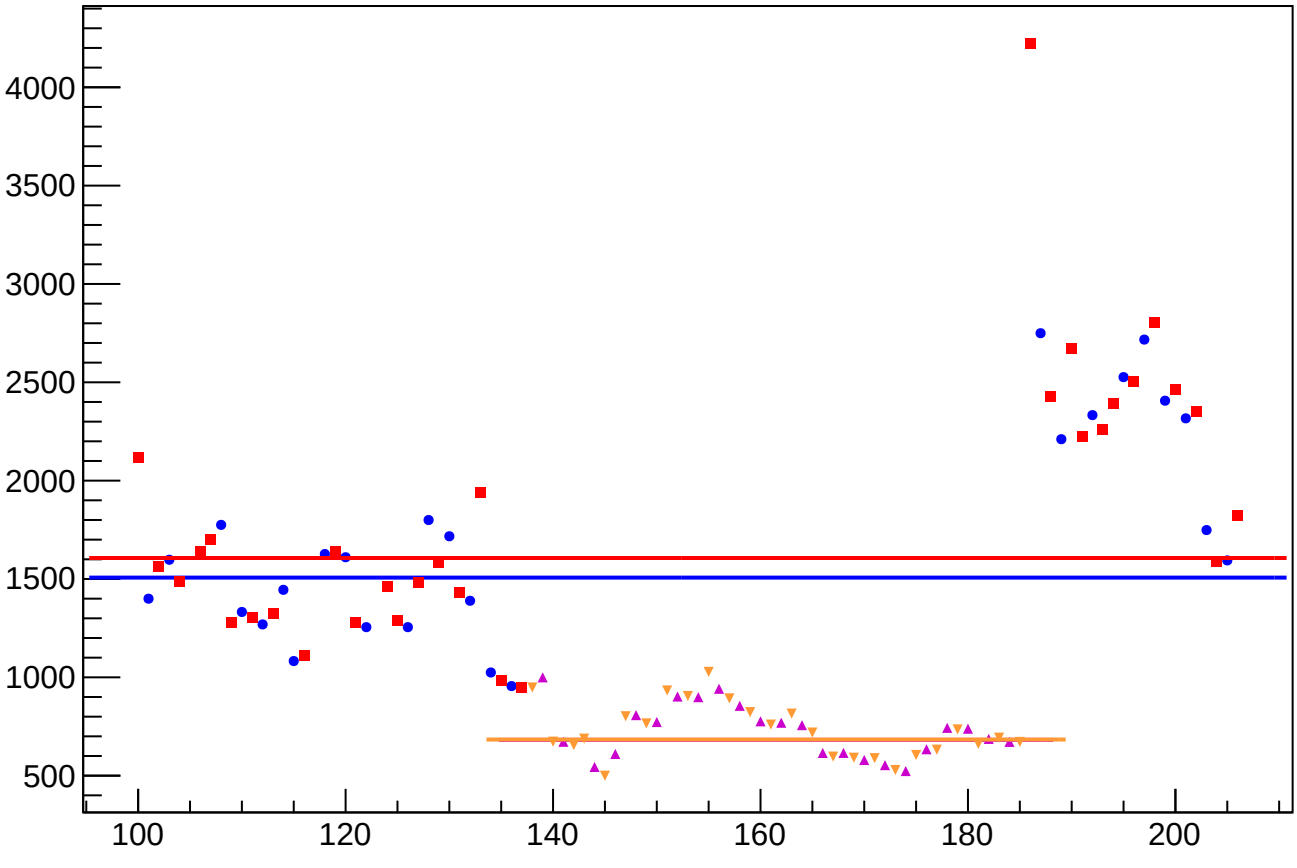
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 100.698+/-296.823 χ^2/NDF: 59.1/55

In: 3.778+/-151.607 χ^2/NDF:55.4/47

Out: -554.387+/-148.012 χ^2/NDF:105.5/55

All: -282.000+/-105.908 χ^2/NDF: 167.9/103



Right In: 1507.027+/-0.299 χ^2/NDF: 2518973.2/24

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1606.691+/-0.295 χ^2/NDF: 2971013.0/30

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

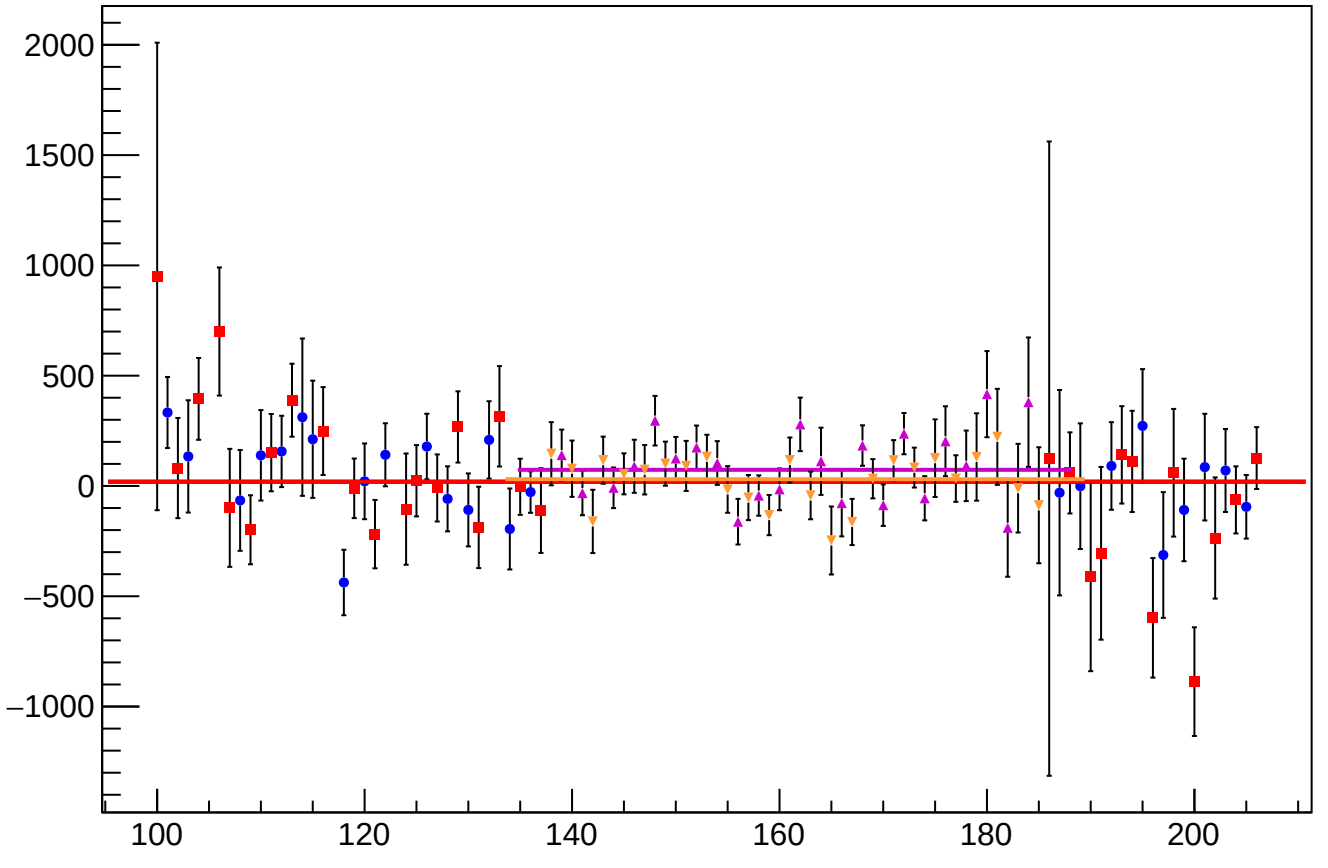
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

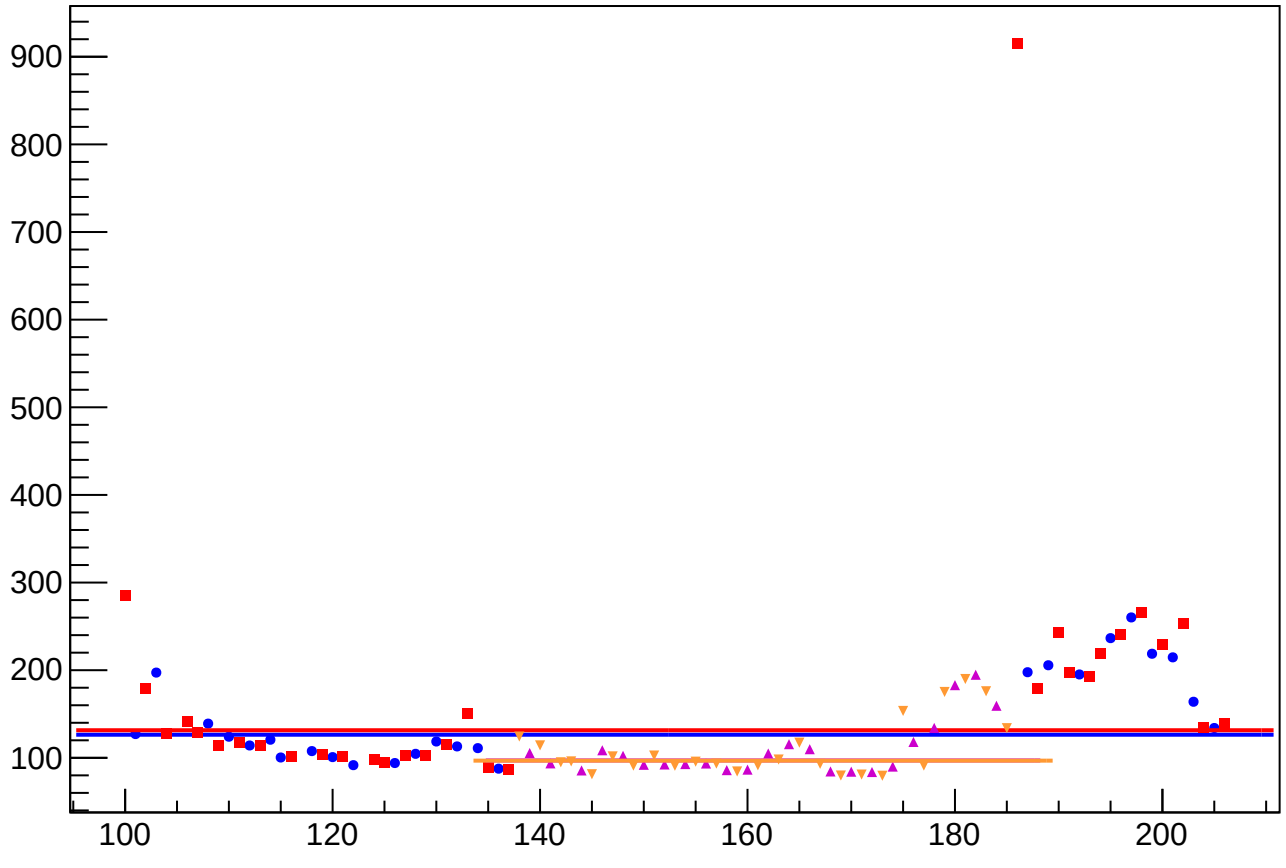
Right: 1557.559+/-0.210 χ^2/NDF: 5546346.0/55

In: 788.072+/-0.107 χ^2/NDF:10343358.9/47

Out: 800.063+/-0.105 χ^2/NDF:12838033.8/55

All: 794.211+/-0.075 χ^2/NDF: 23187798.8/10


eigen_dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 19.130+/-36.030 χ²/NDF: 24.9/24
Left Out: 30.684+/-22.856 χ²/NDF:19.9/24
Right Out: 19.702+/-35.121 χ²/NDF: 50.7/30
Left In: 73.146+/-23.510 χ²/NDF:34.5/22
Left: 51.316+/-16.388 χ²/NDF: 56.1/47
Right: 19.423+/-25.150 χ²/NDF: 75.6/55
In: 57.015+/-19.689 χ²/NDF:61.0/47
Out: 27.417+/-19.157 χ²/NDF:70.7/55
All: 41.810+/-13.730 χ²/NDF: 132.8/103



Right In: 126.387+/-0.025 χ^2/NDF: 2811913.8/24

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 131.501+/-0.025 χ^2/NDF: 3875149.5/30

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

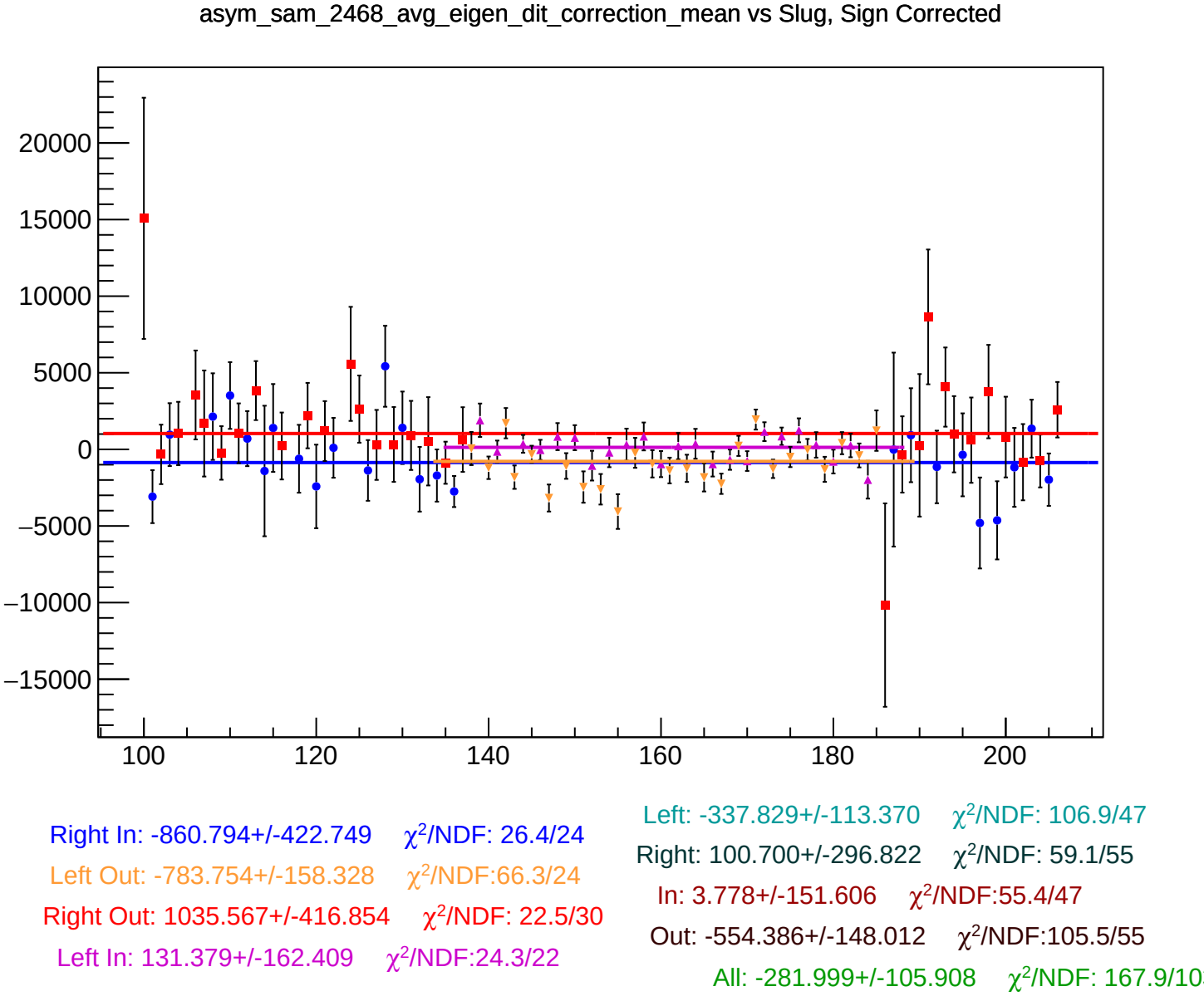
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 129.009+/-0.018 χ^2/NDF: 6707726.9/55

In: 105.788+/-0.014 χ^2/NDF:5065157.9/47

Out: 107.120+/-0.014 χ^2/NDF:6967566.2/55

All: 106.472+/-0.010 χ^2/NDF: 12037429.2/10


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
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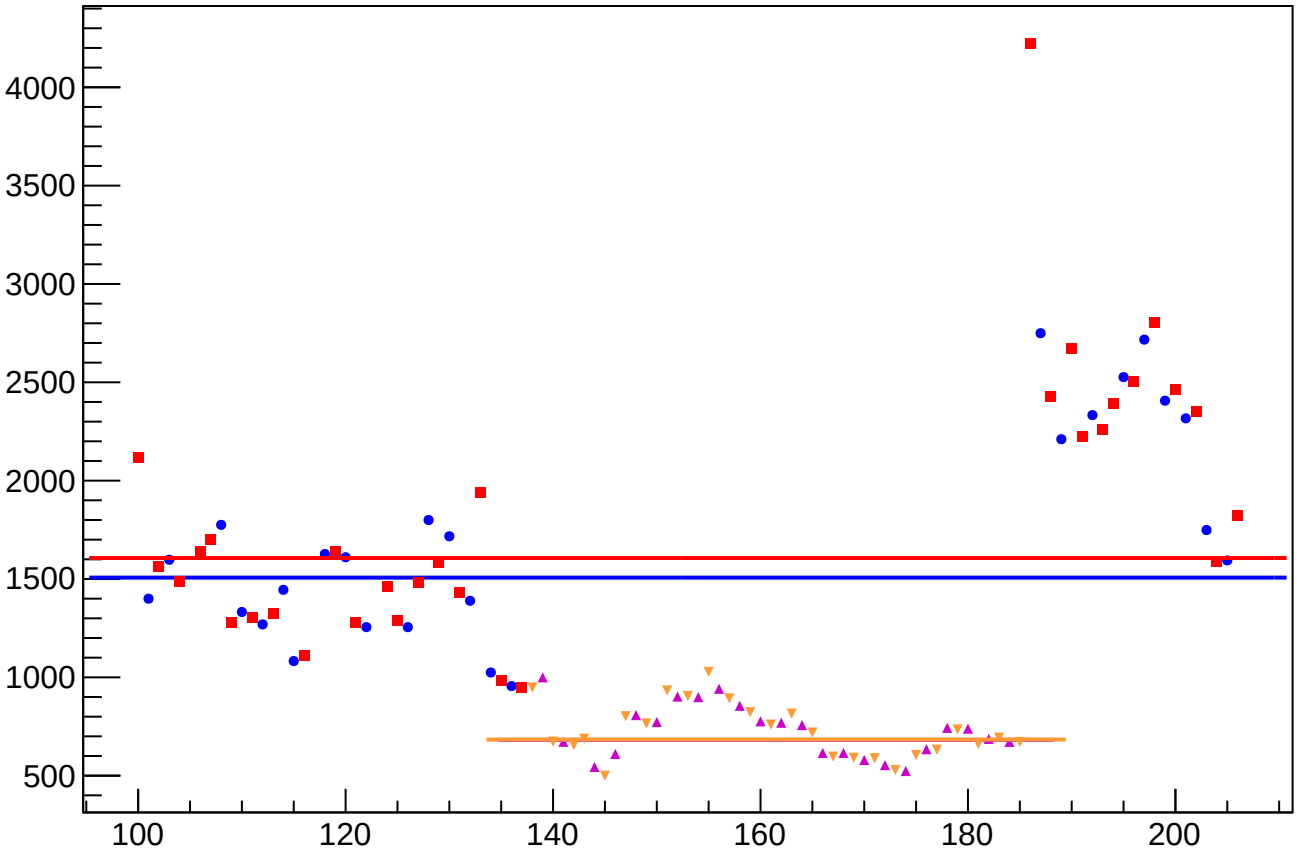
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -860.794+/-422.749 χ²/NDF: 26.4/24
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: 1035.567+/-416.854 χ²/NDF: 22.5/30
Left In: 131.379+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.370 χ²/NDF: 106.9/47
Right: 100.700+/-296.822 χ²/NDF: 59.1/55
In: 3.778+/-151.606 χ²/NDF:55.4/47
Out: -554.386+/-148.012 χ²/NDF:105.5/55
All: -281.999+/-105.908 χ²/NDF: 167.9/103



Right In: 1507.024+/-0.299 χ^2/NDF: 2518978.8/24

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1606.688+/-0.295 χ^2/NDF: 2971023.3/30

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

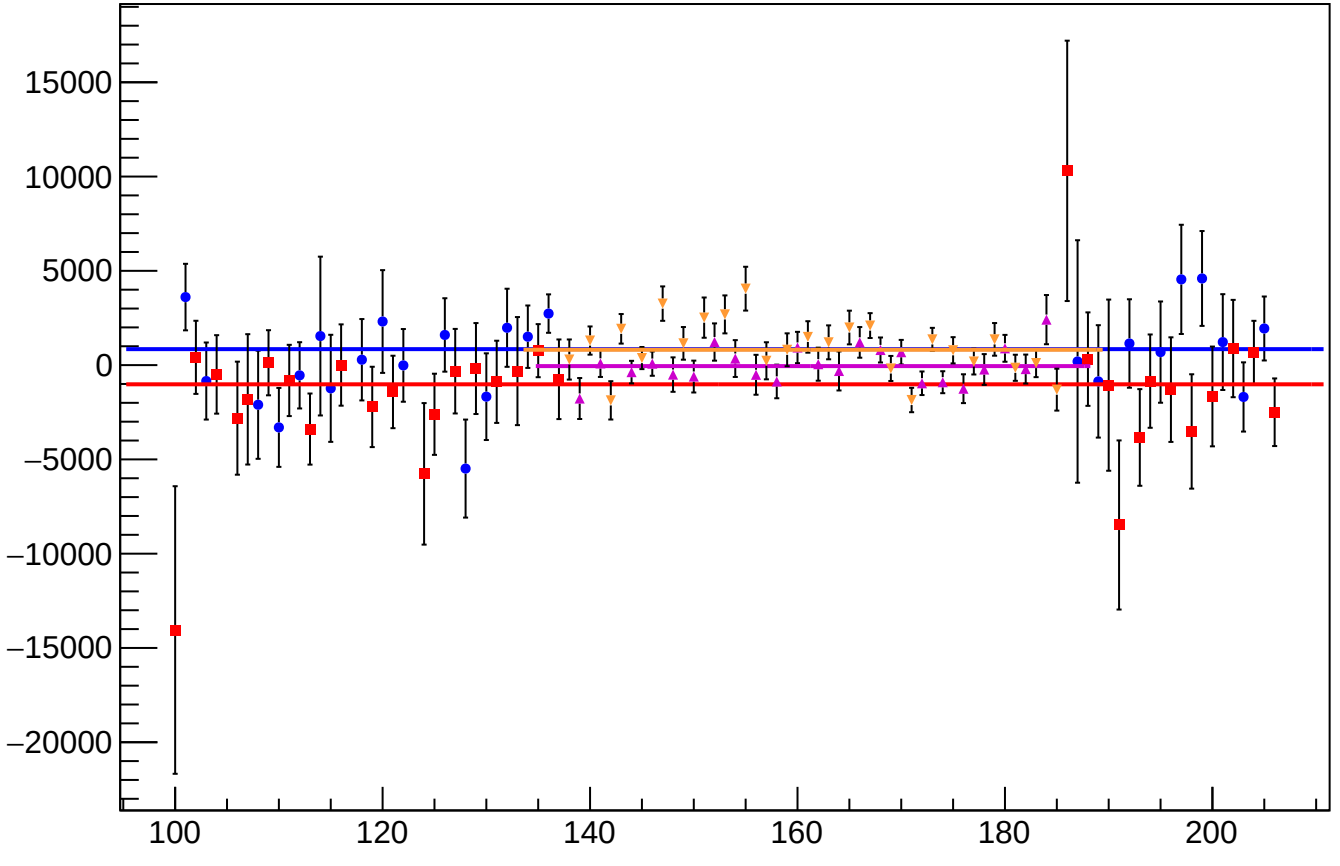
Right: 1557.556+/-0.210 χ^2/NDF: 5546362.0/55

In: 788.070+/-0.107 χ^2/NDF:10343367.4/47

Out: 800.061+/-0.105 χ^2/NDF:12838051.0/55

All: 794.210+/-0.075 χ^2/NDF: 23187824.5/10

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 847.233+/-417.800 χ^2/NDF: 27.6/24

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1018.096+/-414.405 χ^2/NDF: 20.5/30

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

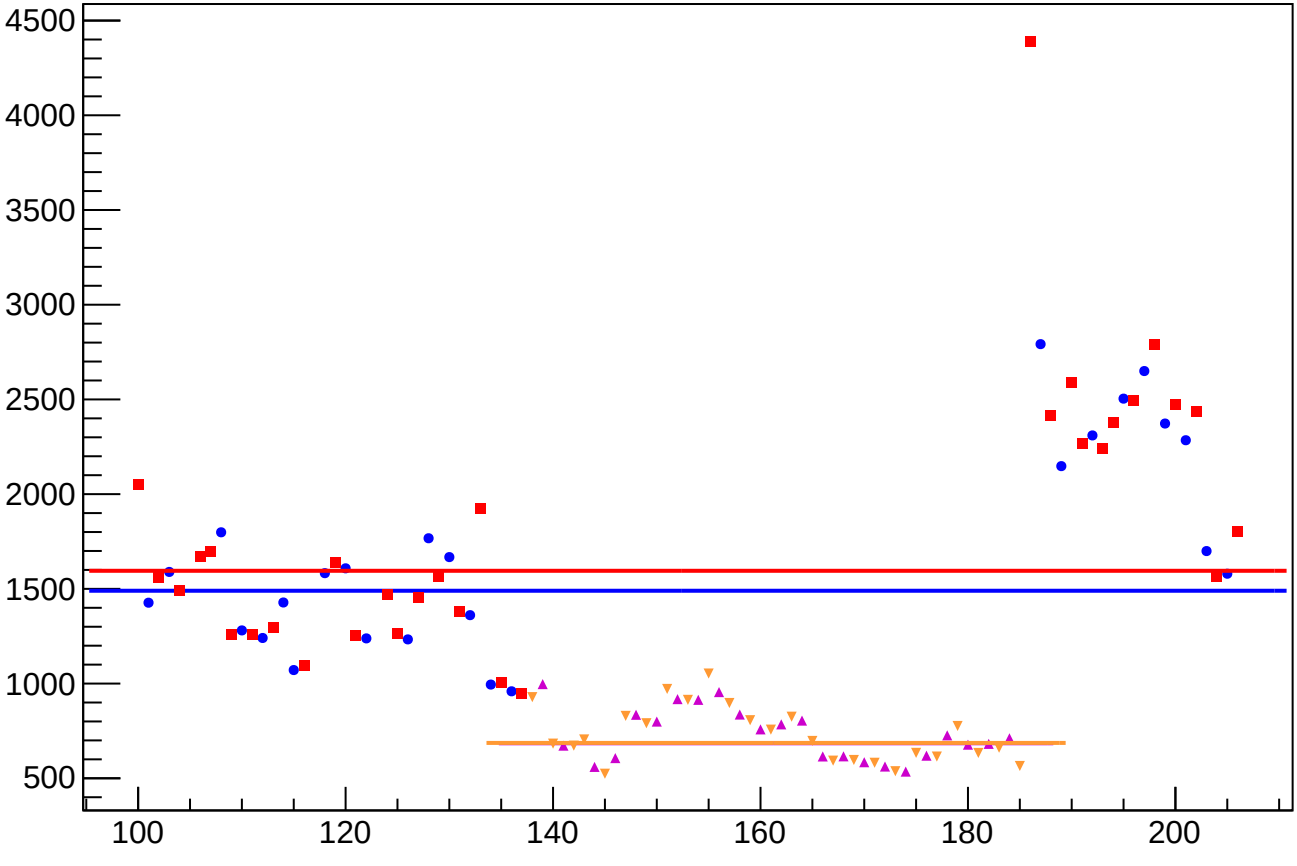
Right: -93.041+/-294.221 χ^2/NDF: 58.2/55

In: 66.584+/-151.881 χ^2/NDF:57.0/47

Out: 578.301+/-148.657 χ^2/NDF:103.3/55

All: 327.932+/-106.238 χ^2/NDF: 166.1/103

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1490.018+/-0.295 χ^2/NDF: 2478286.0/24

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1595.377+/-0.293 χ^2/NDF: 3011511.8/30

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

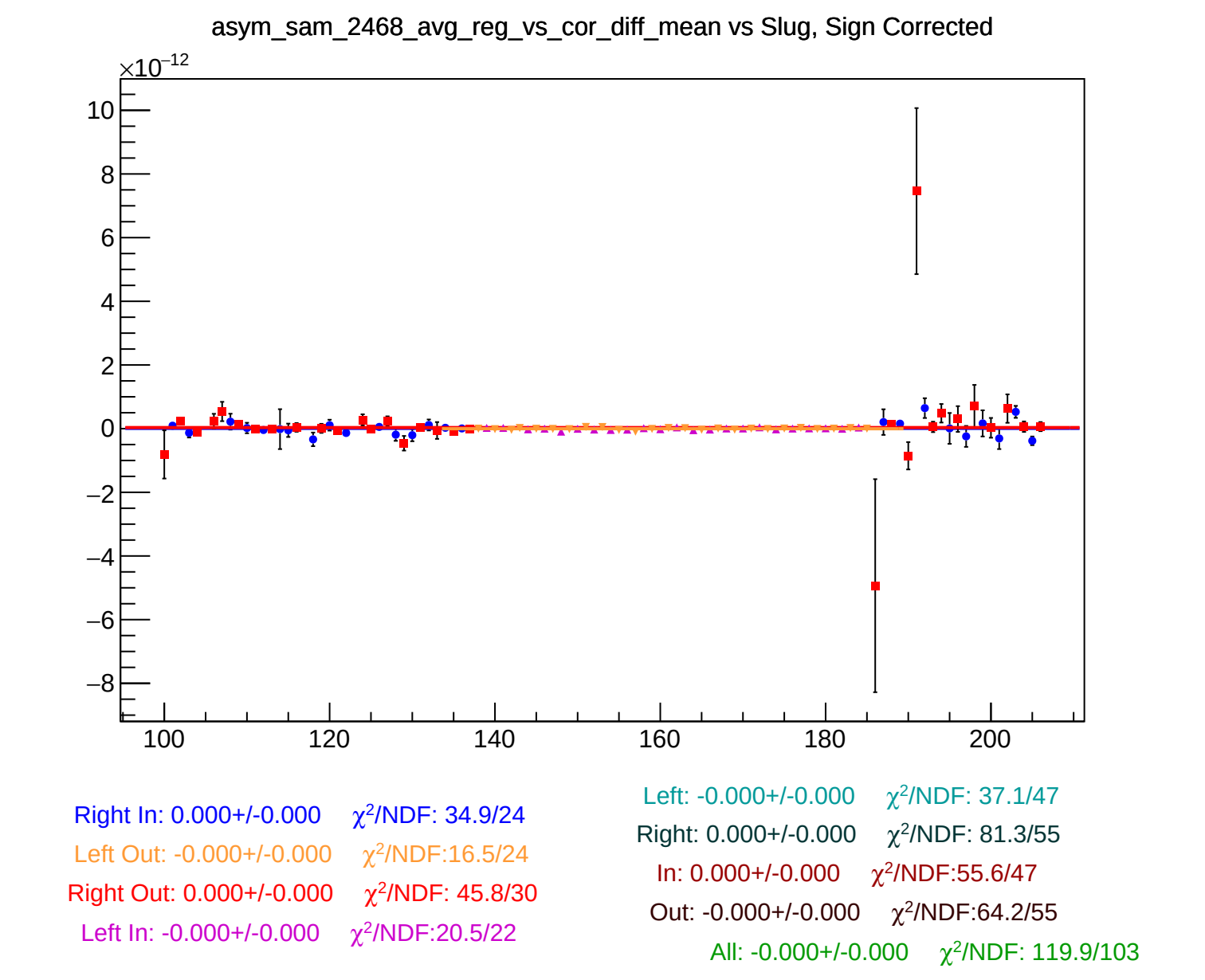
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

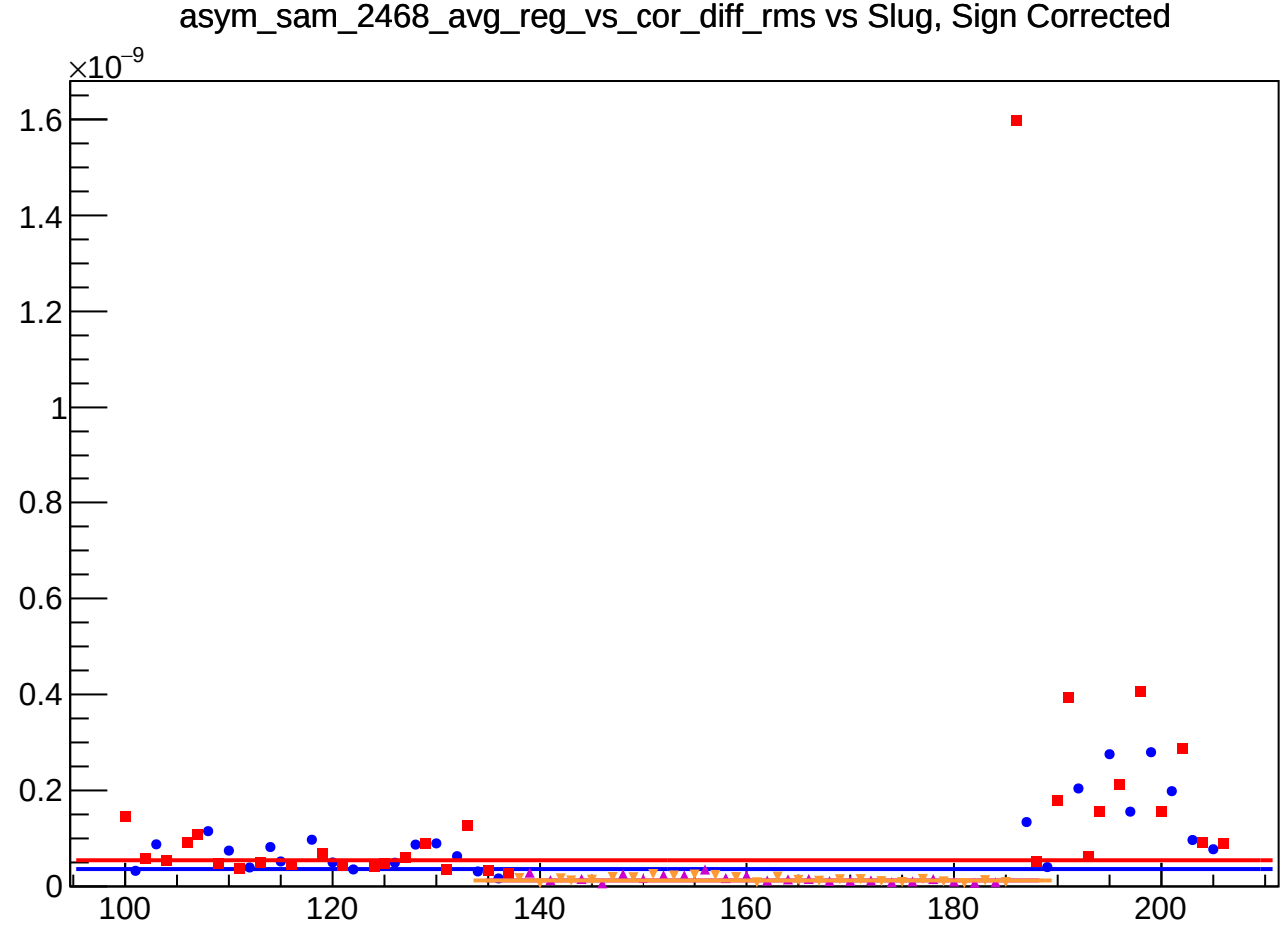
Right: 1543.127+/-0.208 χ^2/NDF: 5553909.0/55

In: 791.179+/-0.107 χ^2/NDF:10091174.6/47

Out: 803.630+/-0.105 χ^2/NDF:12702425.9/55

All: 797.538+/-0.075 χ^2/NDF: 22800465.4/10


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.9/24
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.8/30
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 81.3/55
In: 0.000+/-0.000 χ²/NDF:55.6/47
Out: -0.000+/-0.000 χ²/NDF:64.2/55
All: -0.000+/-0.000 χ²/NDF: 119.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 5059828.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3557959.1/30

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

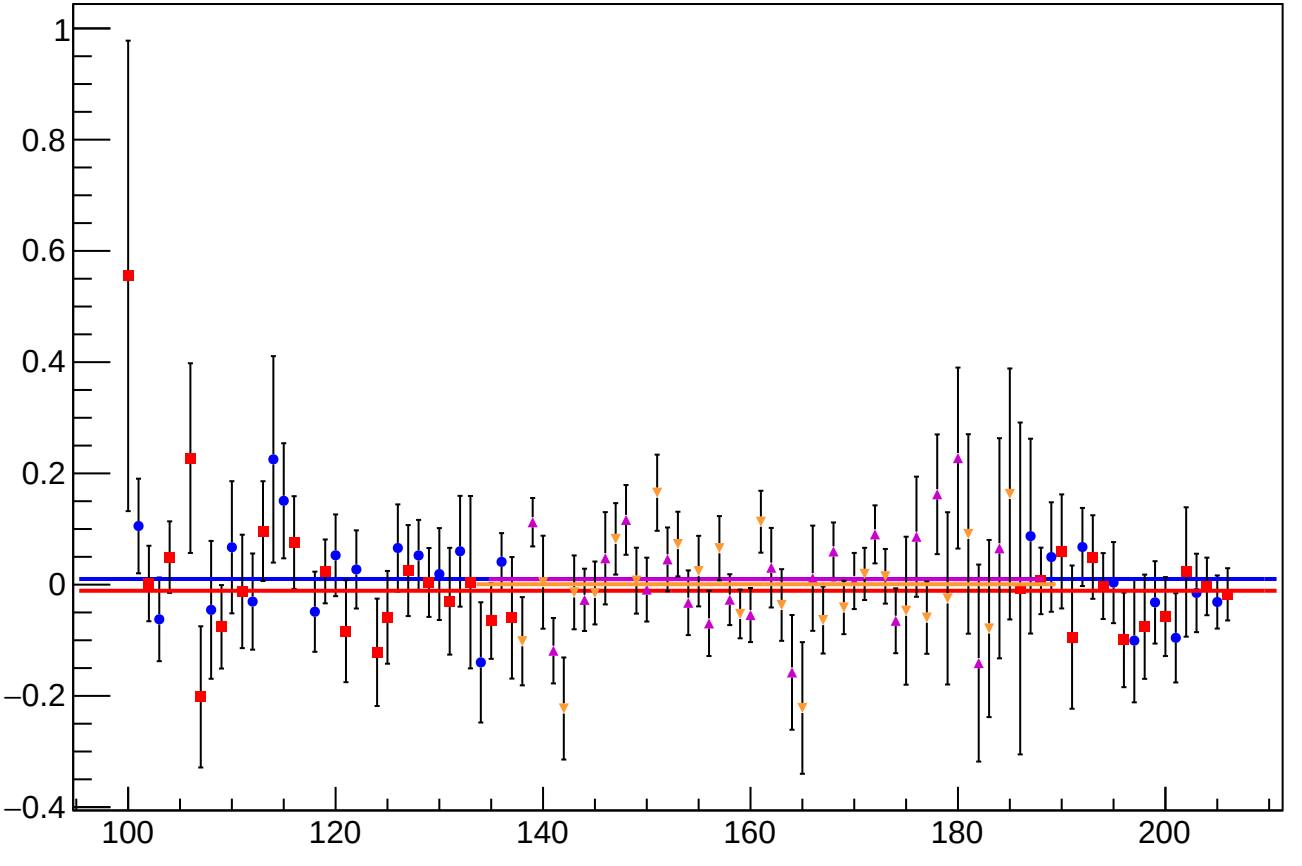
Right: 0.000+/-0.000 χ^2/NDF: 9232188.3/55

In: 0.000+/-0.000 χ^2/NDF:9461157.8/47

Out: 0.000+/-0.000 χ^2/NDF:10379513.5/55

All: 0.000+/-0.000 χ^2/NDF: 19840691.2/103

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

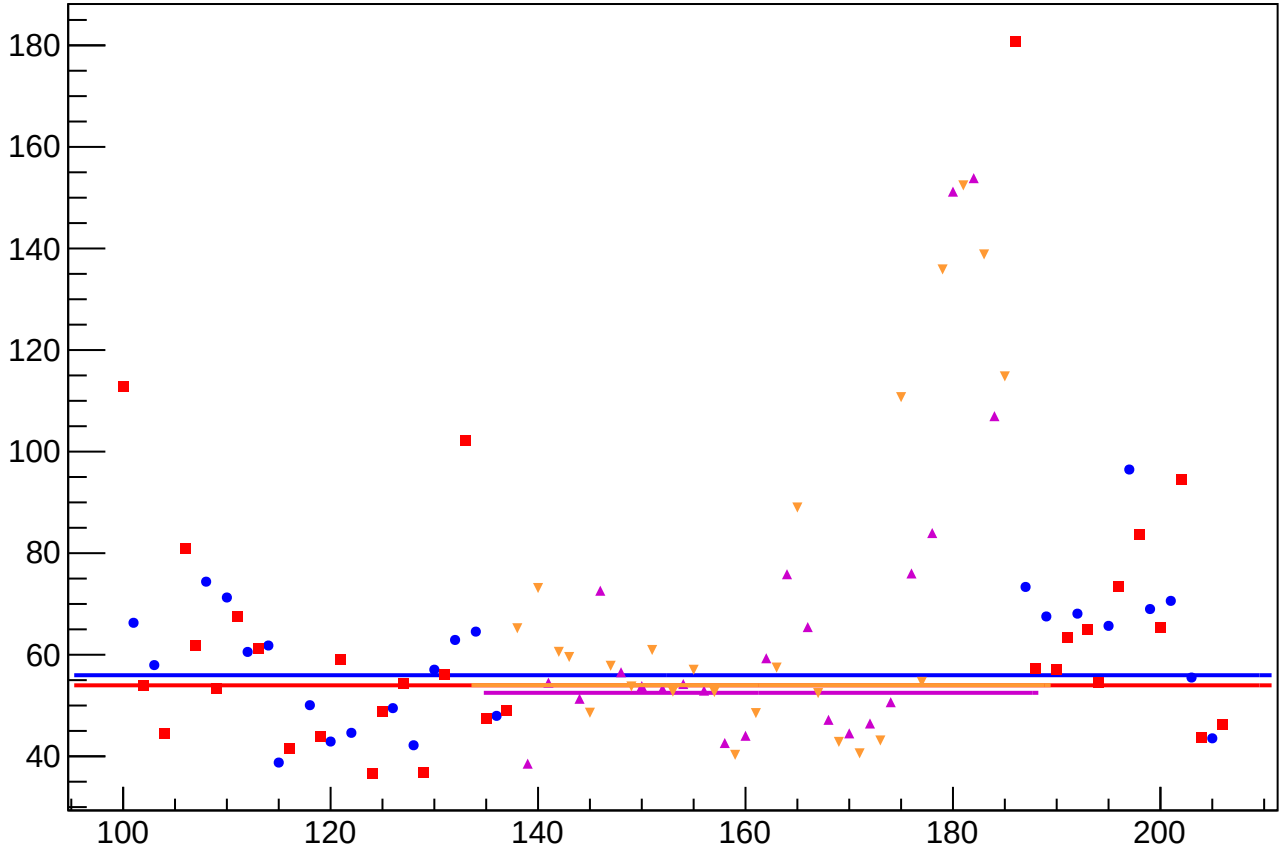
Right: -0.001+/-0.011 χ^2/NDF: 34.3/55

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

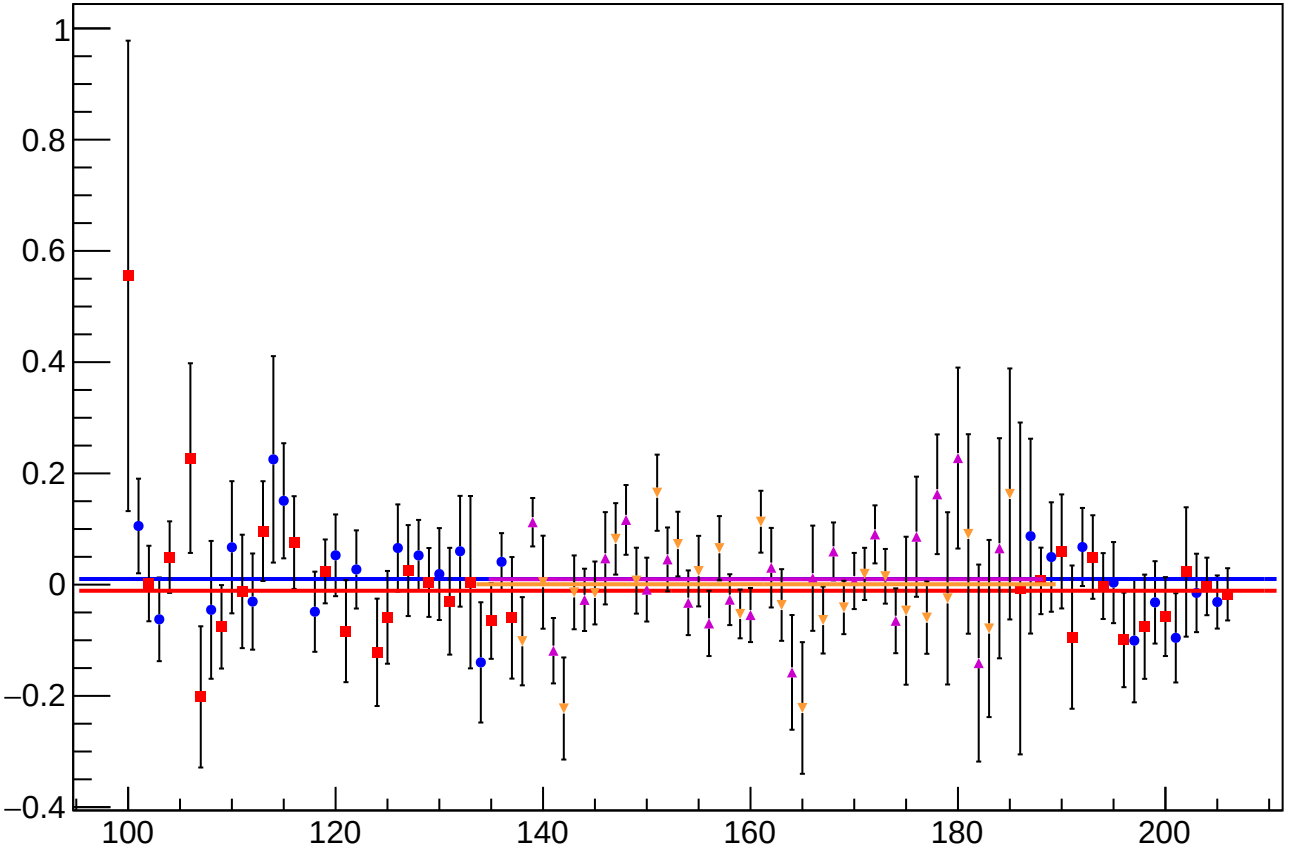
Right: 54.871+/-0.008 χ^2/NDF: 3064885.6/55

In: 53.926+/-0.007 χ^2/NDF:3764564.4/47

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.963+/-0.005 χ^2/NDF: 8889318.4/103

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

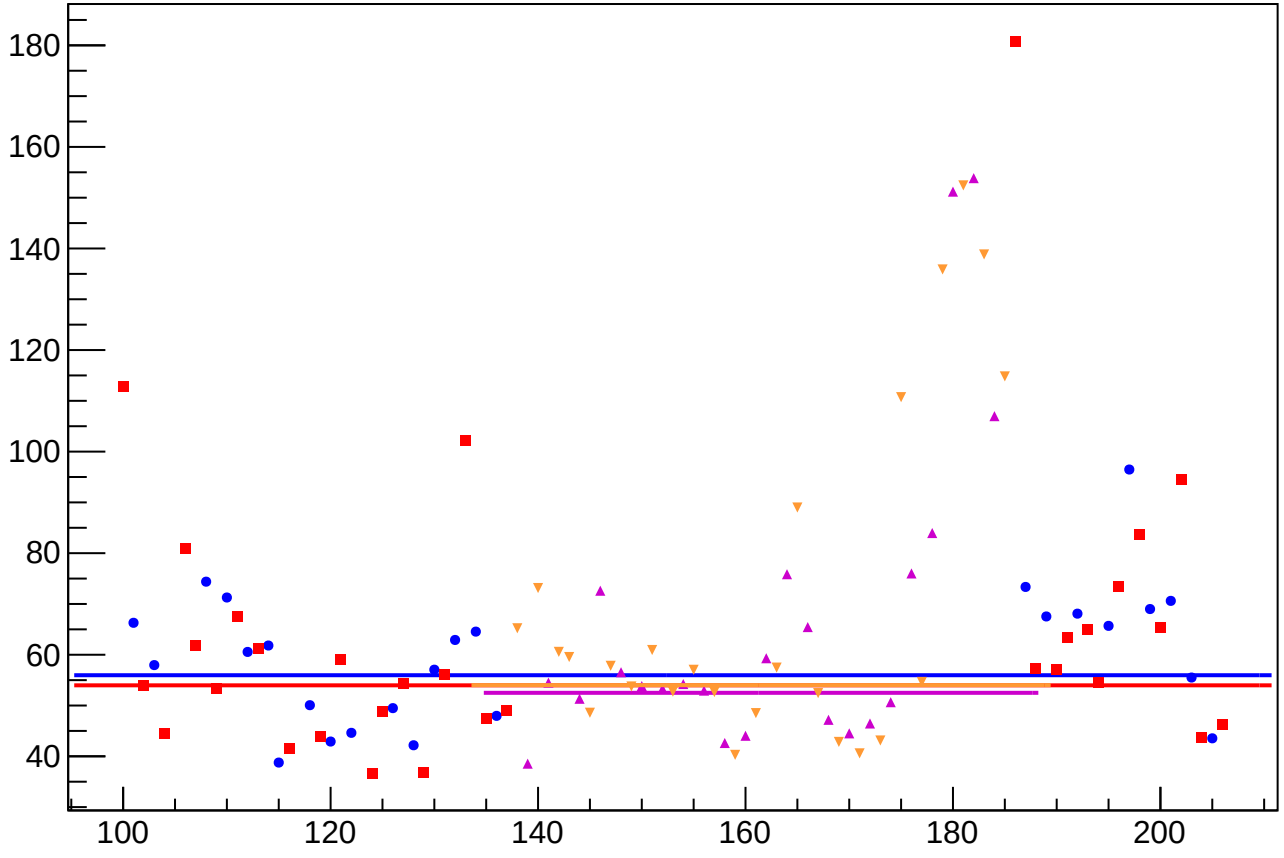
Right: -0.001+/-0.011 χ^2/NDF: 34.3/55

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

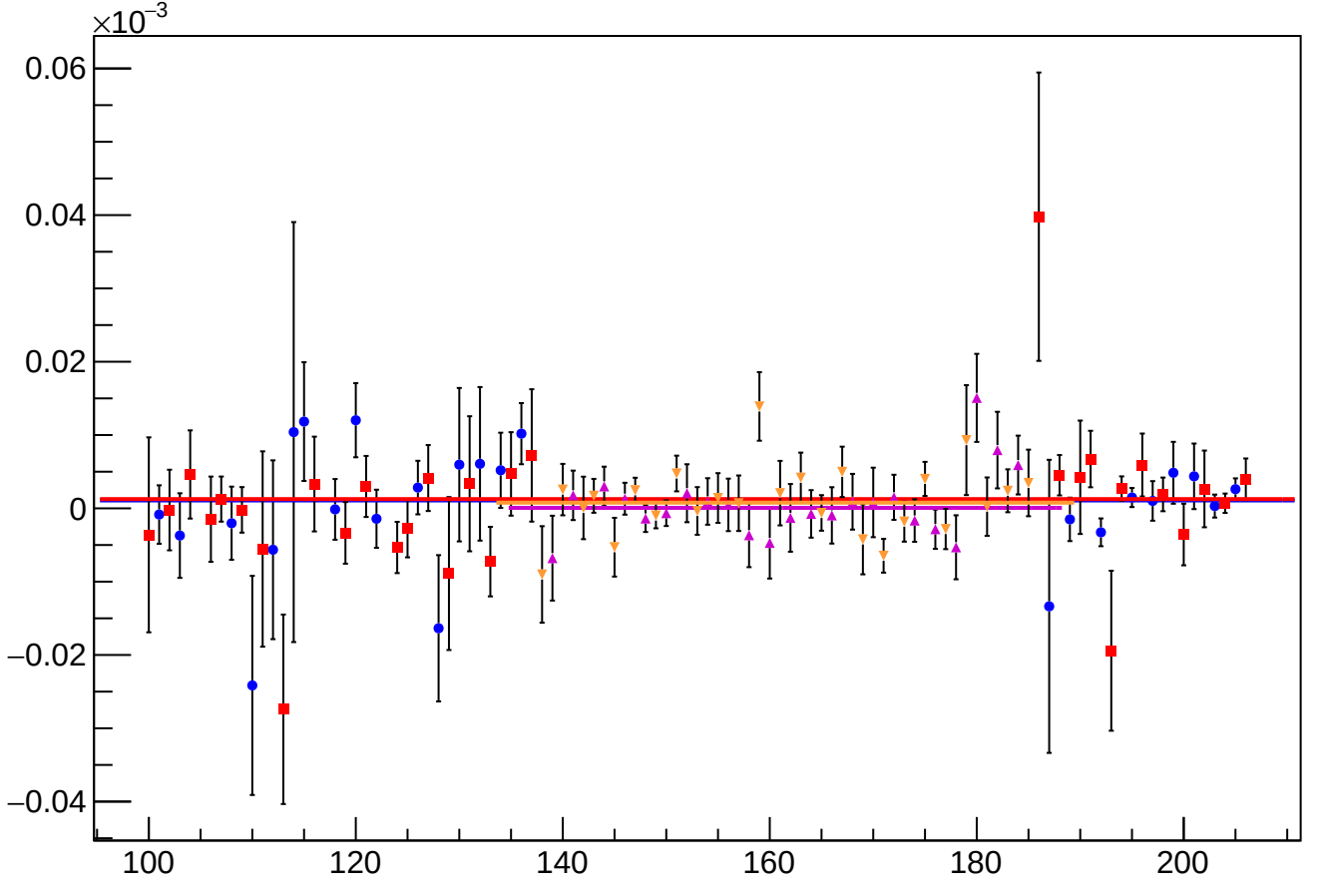
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 54.871+/-0.008 χ^2/NDF: 3064885.6/55

In: 53.926+/-0.007 χ^2/NDF:3764564.4/47

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.963+/-0.005 χ^2/NDF: 8889318.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

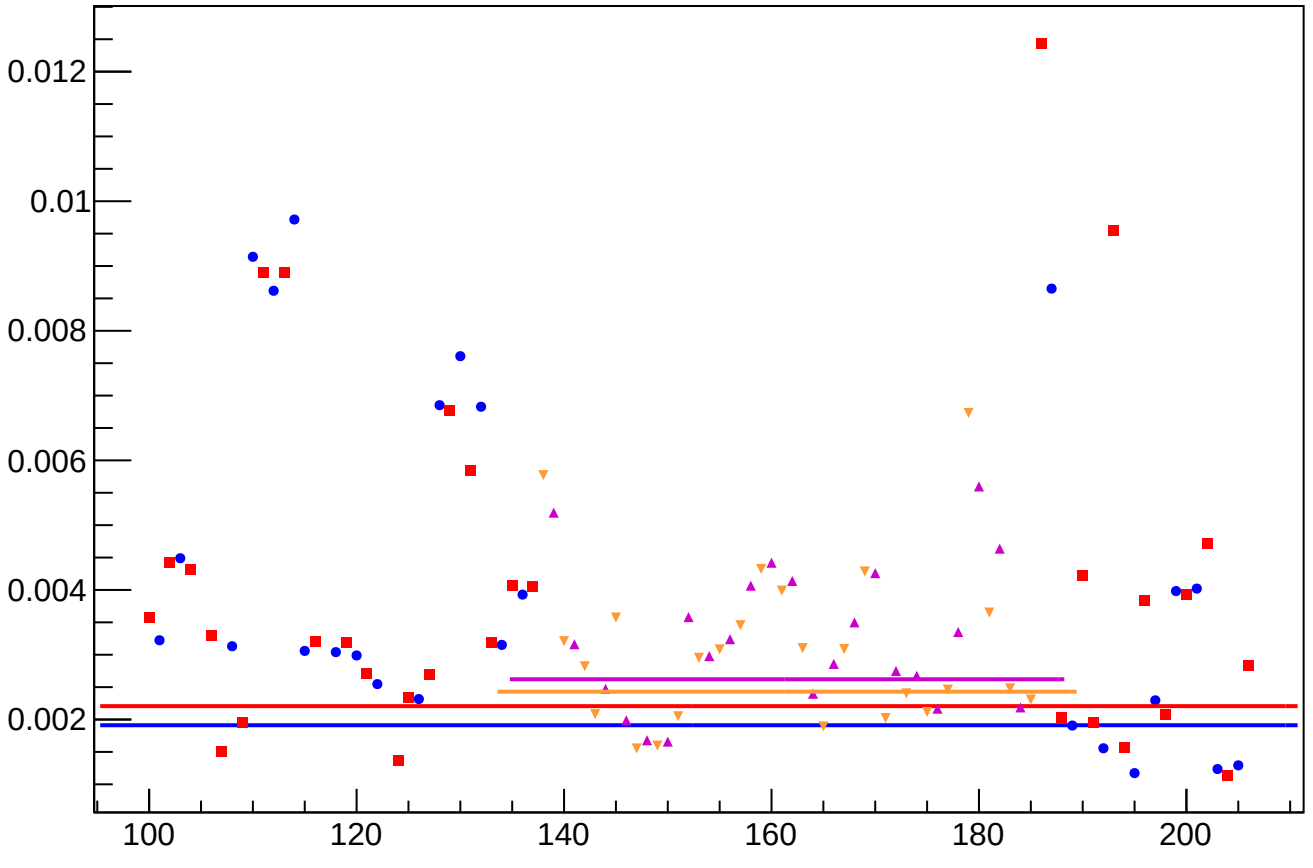
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 63.1/55

In: 0.000+/-0.000 χ^2/NDF:51.4/47

Out: 0.000+/-0.000 χ^2/NDF:71.5/55

All: 0.000+/-0.000 χ^2/NDF: 123.3/103



Right In: 0.002+/-0.000 χ^2/NDF: 7050738.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7631869.9/30

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

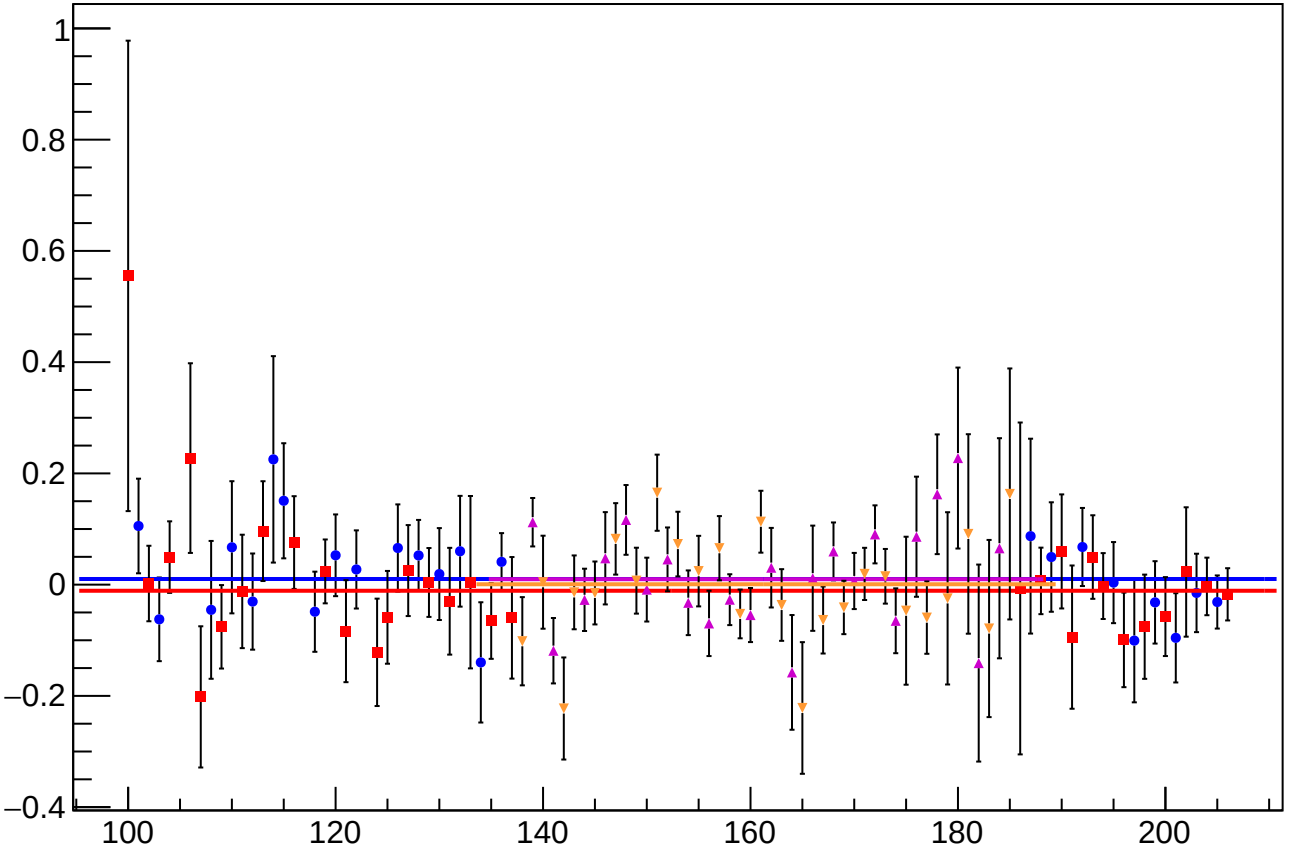
Right: 0.002+/-0.000 χ^2/NDF: 14898646.7/55

In: 0.002+/-0.000 χ^2/NDF:12233842.7/47

Out: 0.002+/-0.000 χ^2/NDF:11979691.8/55

All: 0.002+/-0.000 χ^2/NDF: 24250352.9/103

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

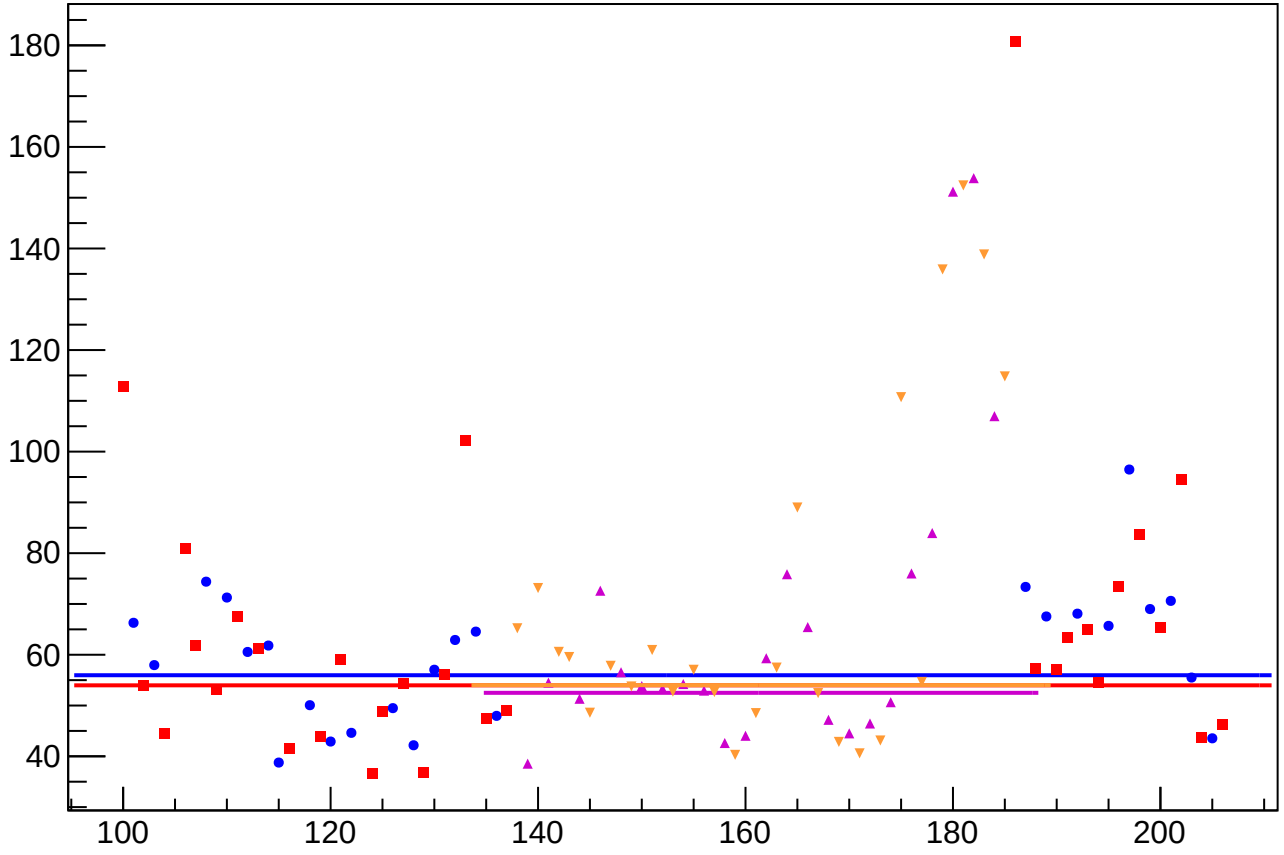
Right: -0.001+/-0.011 χ^2/NDF: 34.3/55

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

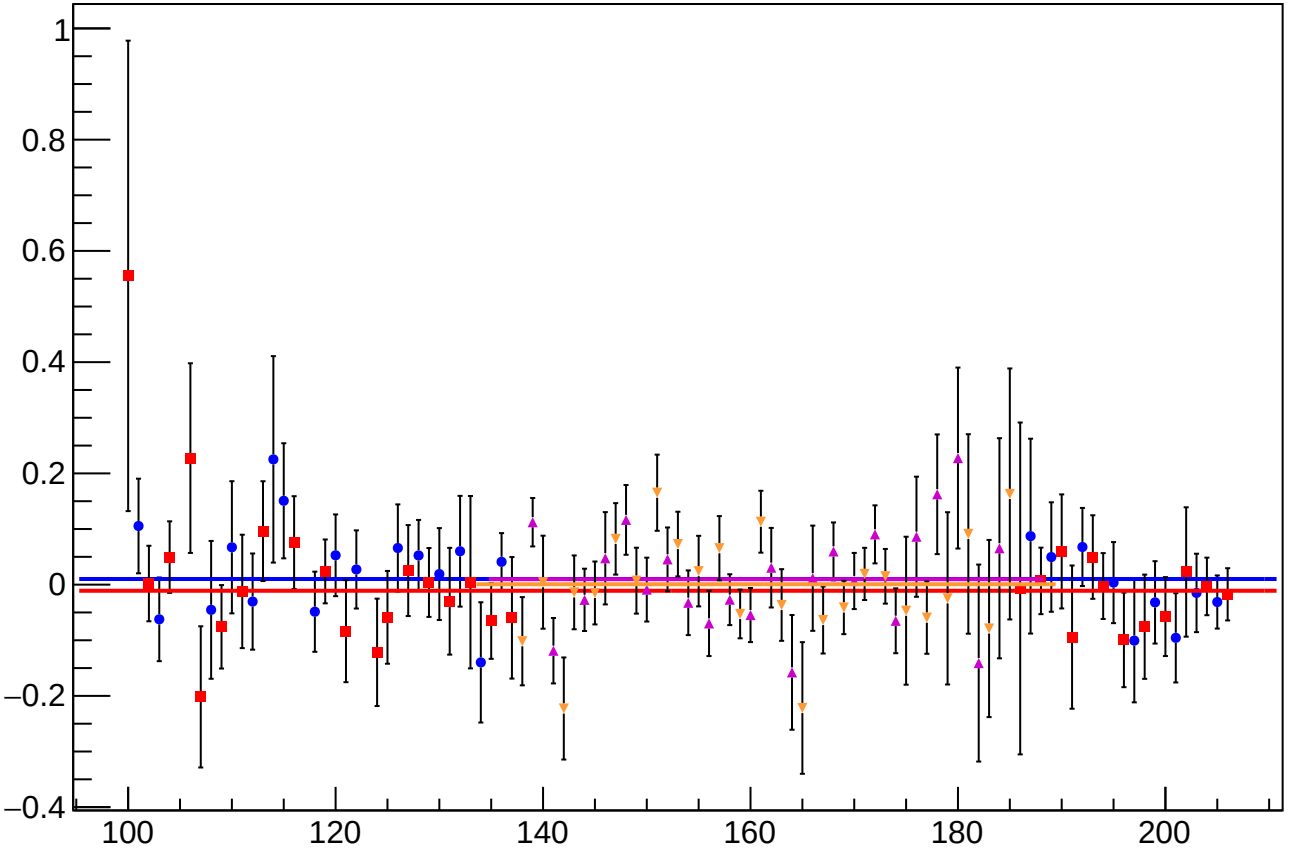
Right: 54.871+/-0.008 χ^2/NDF: 3064914.9/55

In: 53.926+/-0.007 χ^2/NDF:3764554.4/47

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.963+/-0.005 χ^2/NDF: 8889375.0/103

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

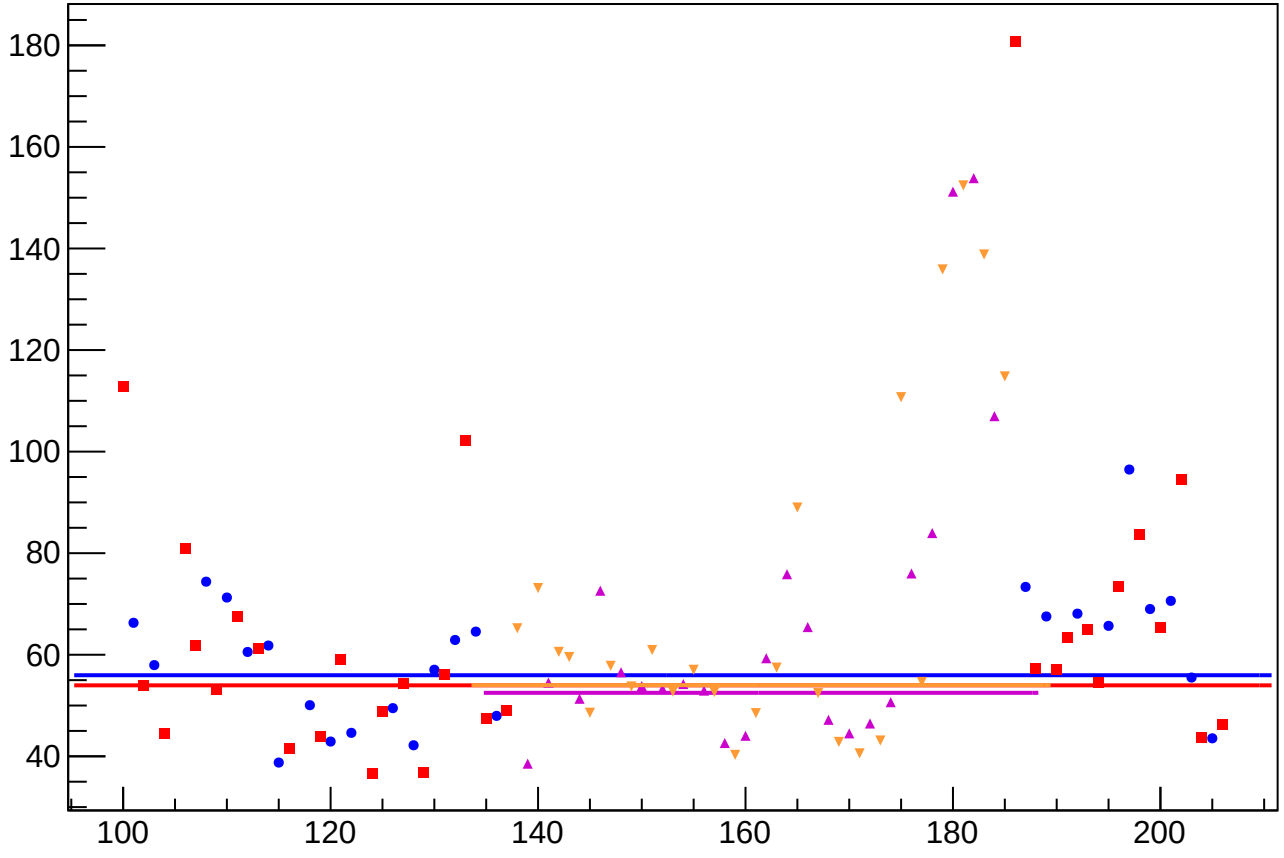
Right: -0.001+/-0.011 χ^2/NDF: 34.3/55

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

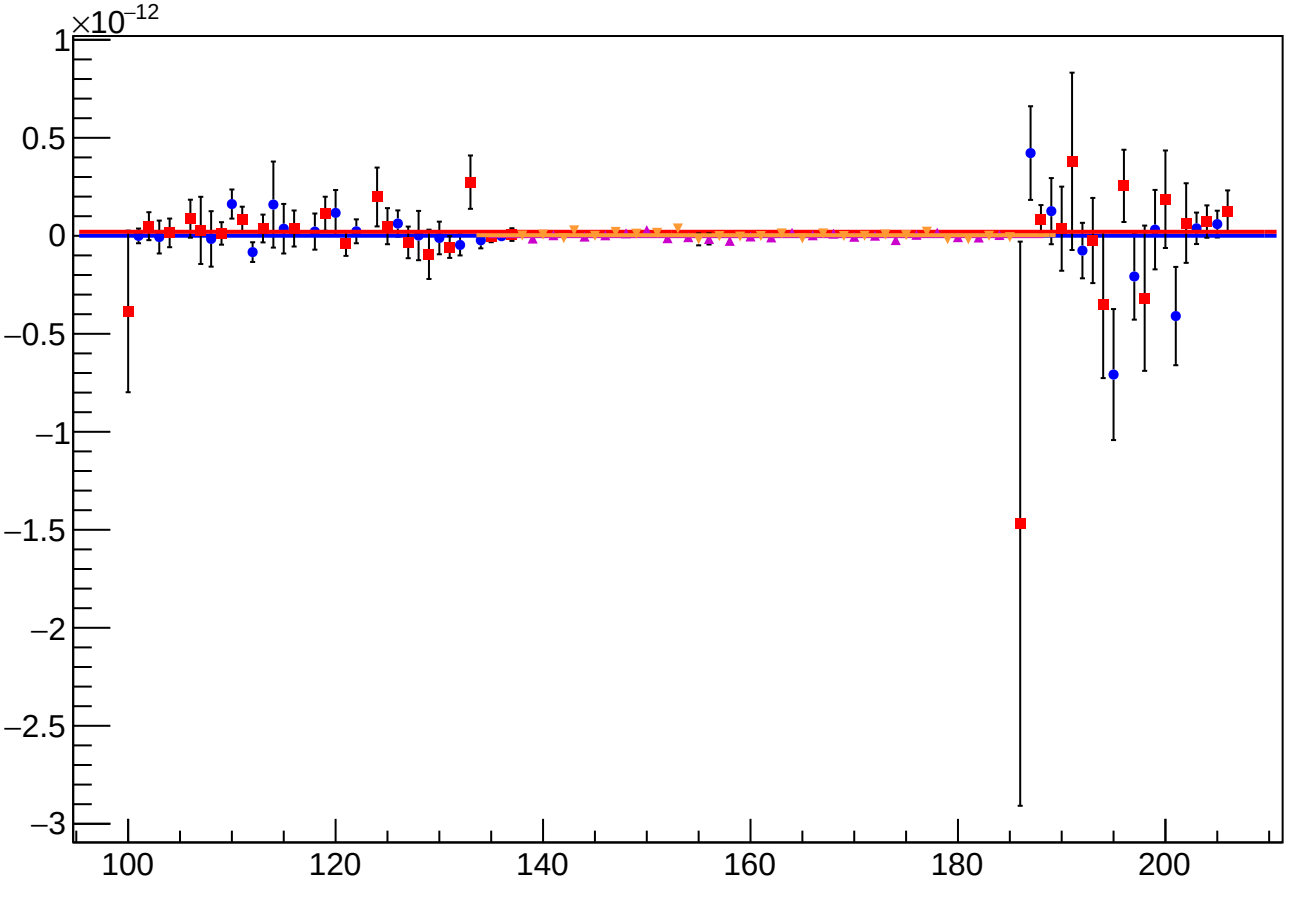
Right: 54.871+/-0.008 χ^2/NDF: 3064914.9/55

In: 53.926+/-0.007 χ^2/NDF:3764554.4/47

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.963+/-0.005 χ^2/NDF: 8889375.0/103

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/30

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

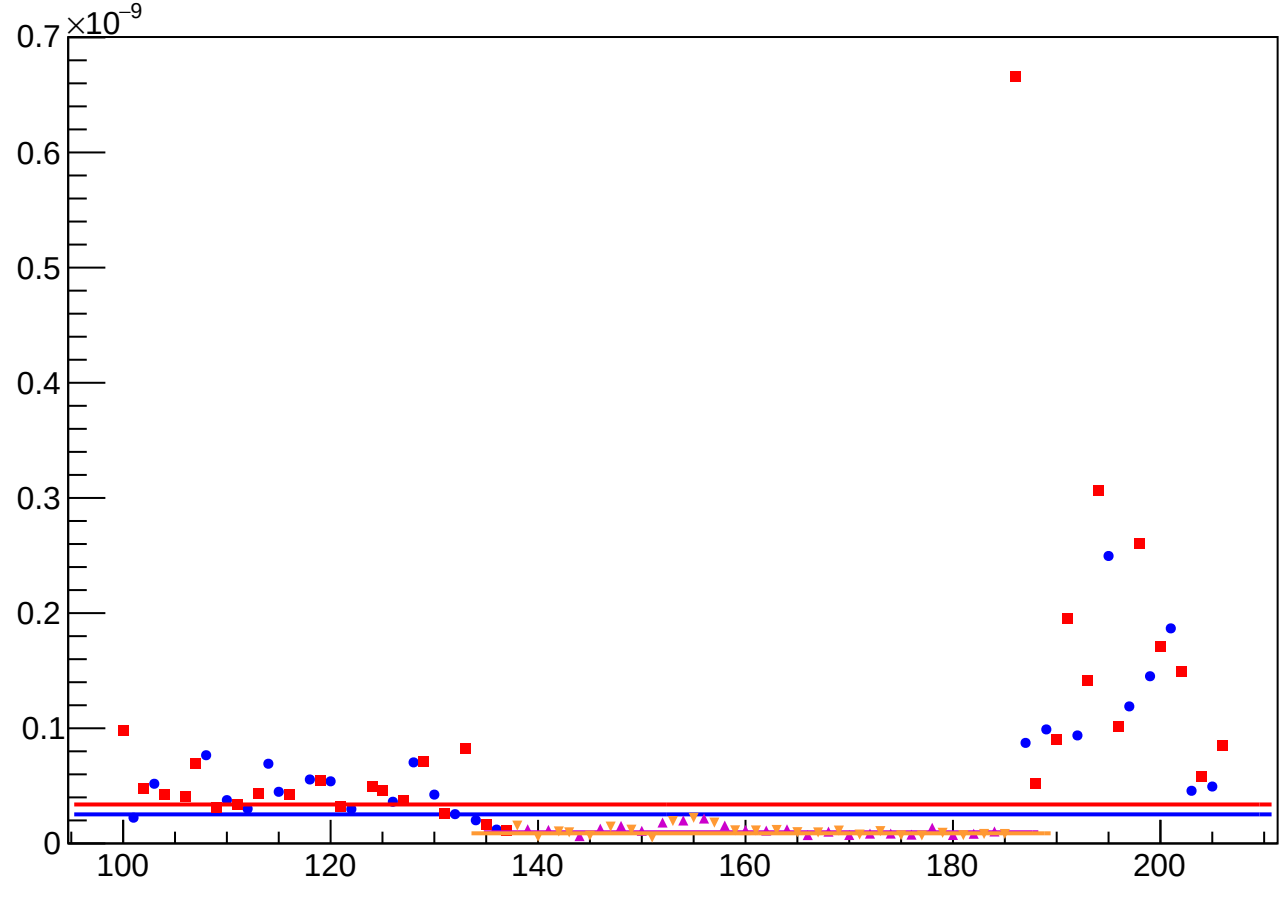
Right: 0.000+/-0.000 χ^2/NDF: 47.4/55

In: -0.000+/-0.000 χ^2/NDF:39.6/47

Out: 0.000+/-0.000 χ^2/NDF:45.3/55

All: 0.000+/-0.000 χ^2/NDF: 86.7/103

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6860186.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8085590.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

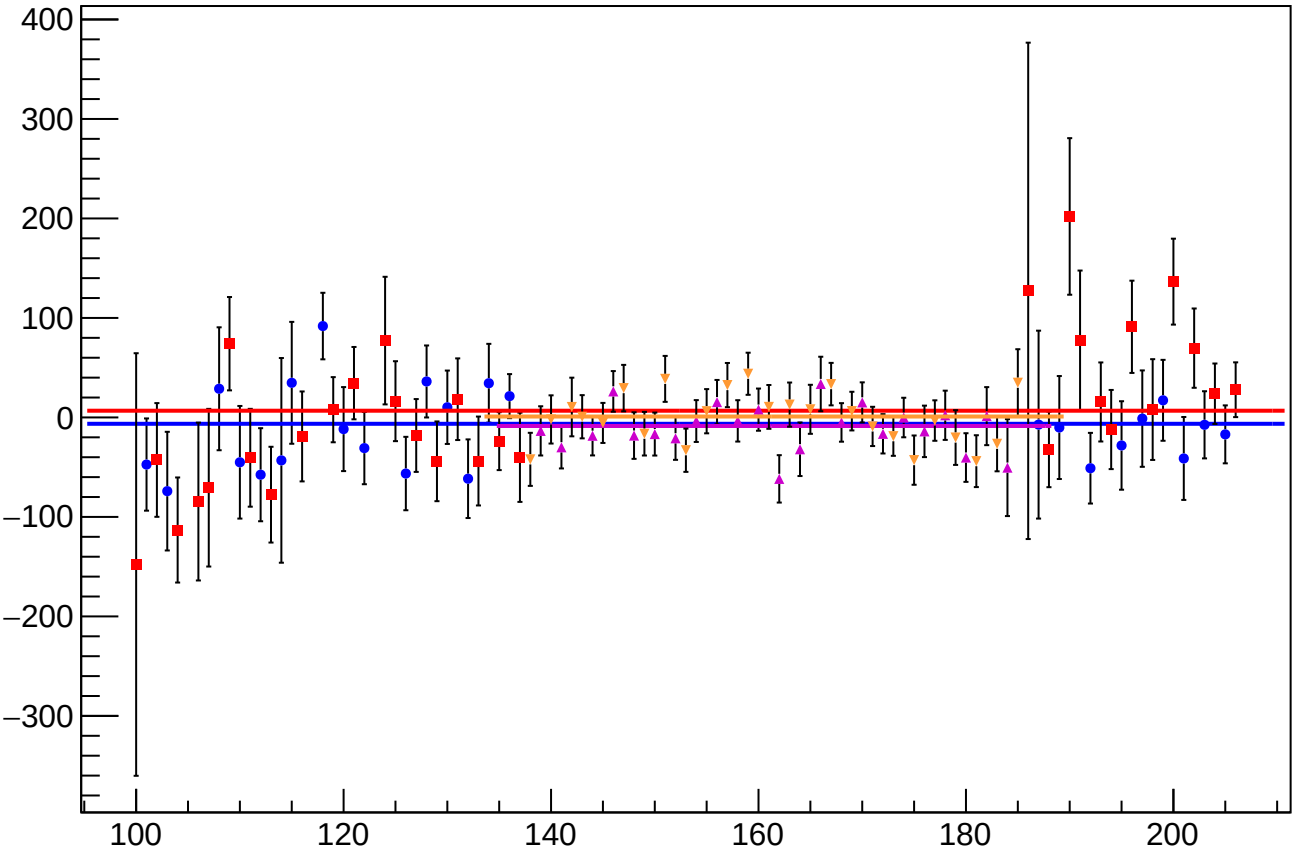
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15405549.4/55

In: 0.000+/-0.000 χ^2/NDF:12584092.8/47

Out: 0.000+/-0.000 χ^2/NDF:17032727.2/55

All: 0.000+/-0.000 χ^2/NDF: 29736394.7/103



Right In: -6.395+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.750+/-7.845 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

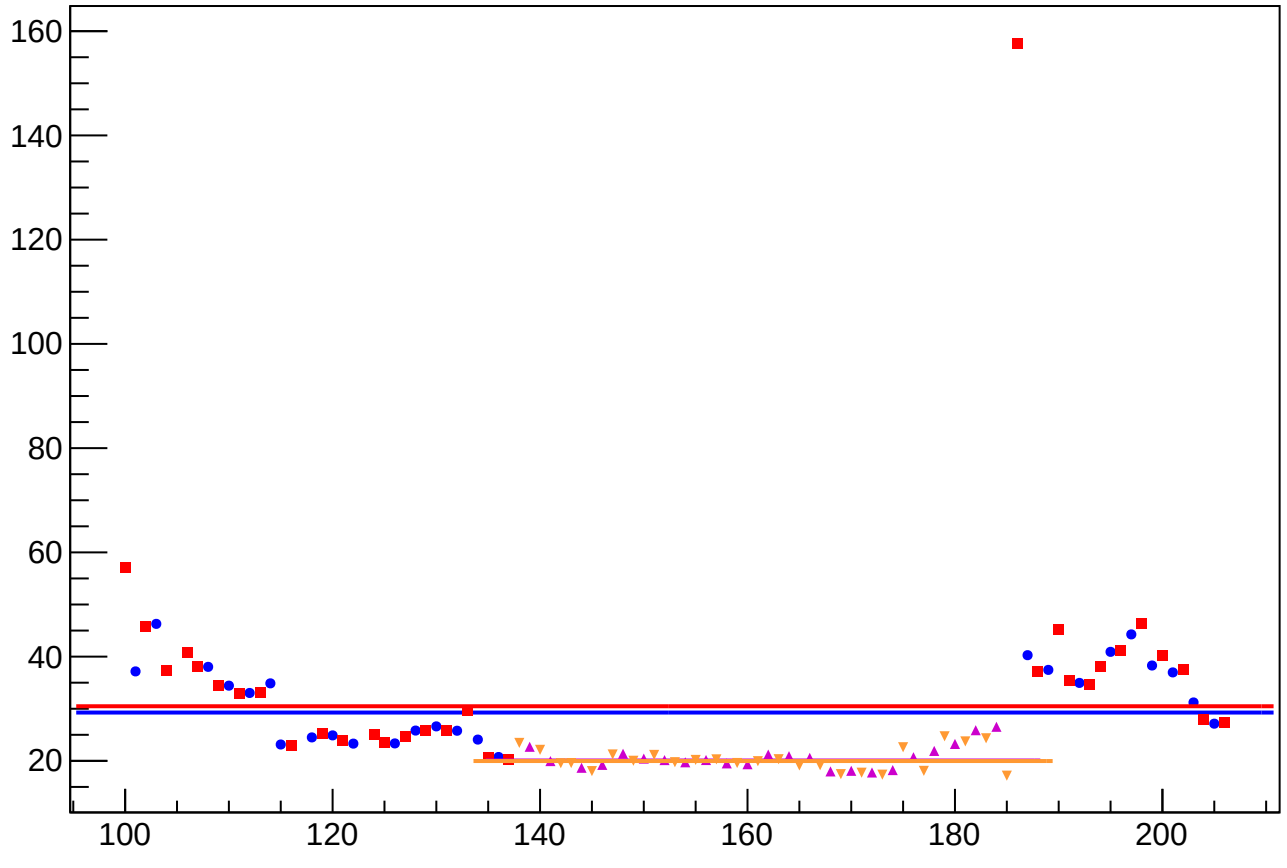
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 0.364+/-5.625 χ^2/NDF: 73.1/55

In: -8.038+/-4.077 χ^2/NDF:44.2/47

Out: 2.397+/-3.951 χ^2/NDF:76.6/55

All: -2.658+/-2.837 χ^2/NDF: 124.2/103



Right In: 29.271+/-0.006 χ^2/NDF: 1501054.9/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.479+/-0.006 χ^2/NDF: 2229231.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

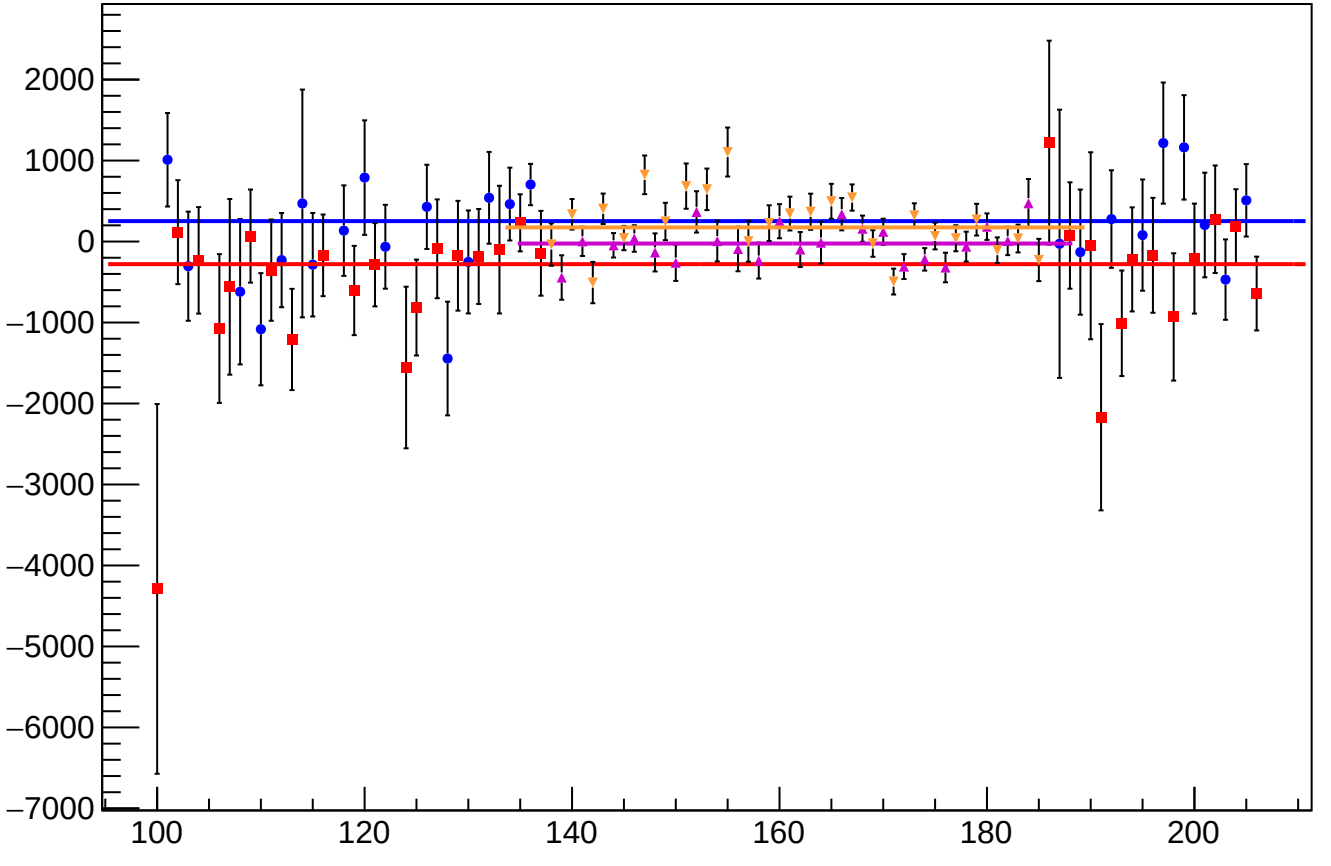
Right: 29.892+/-0.004 χ^2/NDF: 3753330.4/55

In: 22.419+/-0.003 χ^2/NDF:3738035.7/47

Out: 22.635+/-0.003 χ^2/NDF:5295216.1/55

All: 22.531+/-0.002 χ^2/NDF: 9036134.7/103

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 252.258+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -279.339+/-113.302 χ^2/NDF: 20.9/30

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

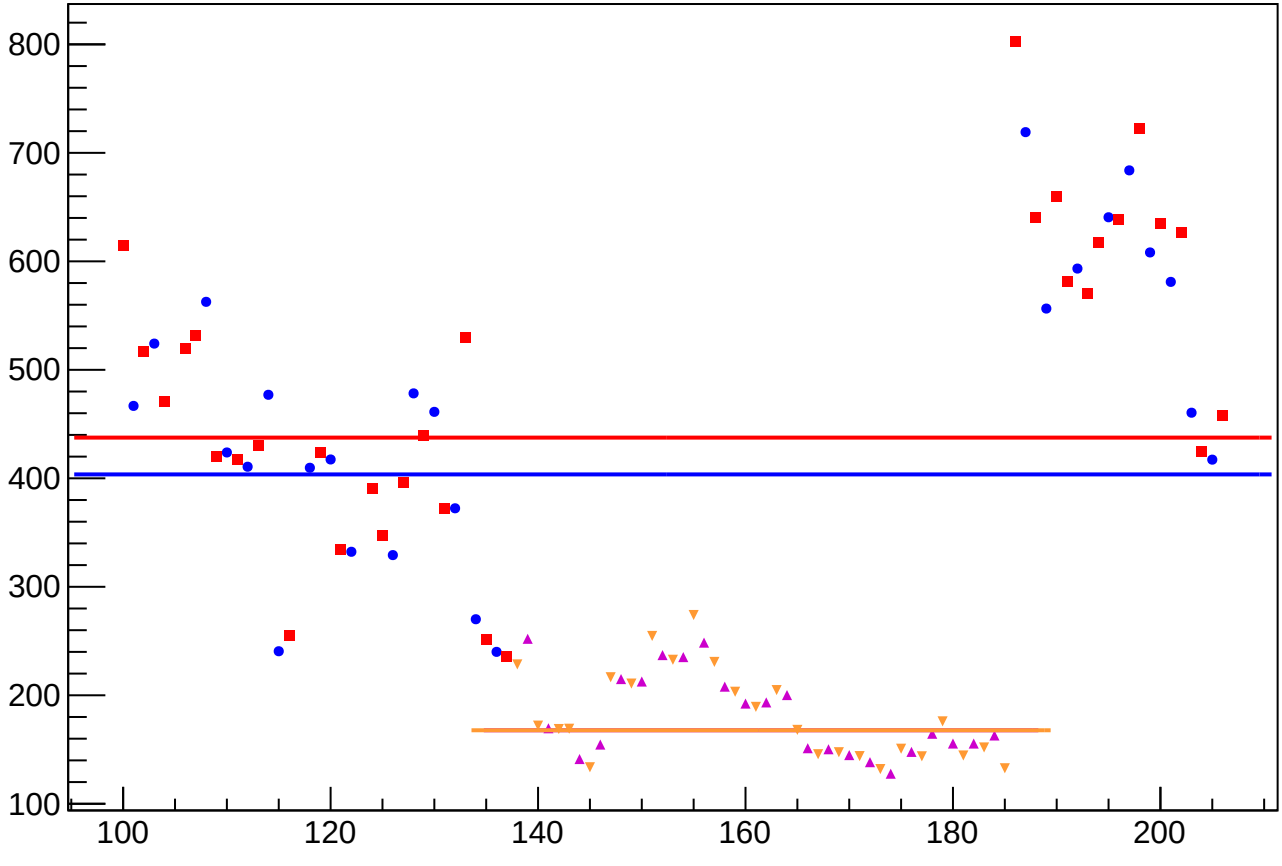
Right: -14.160+/-80.210 χ^2/NDF: 58.0/55

In: 6.061+/-37.787 χ^2/NDF:58.3/47

Out: 126.488+/-36.918 χ^2/NDF:106.5/55

All: 67.675+/-26.407 χ^2/NDF: 169.9/103

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659166.8/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.522+/-0.080 χ^2/NDF: 2855586.8/30

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

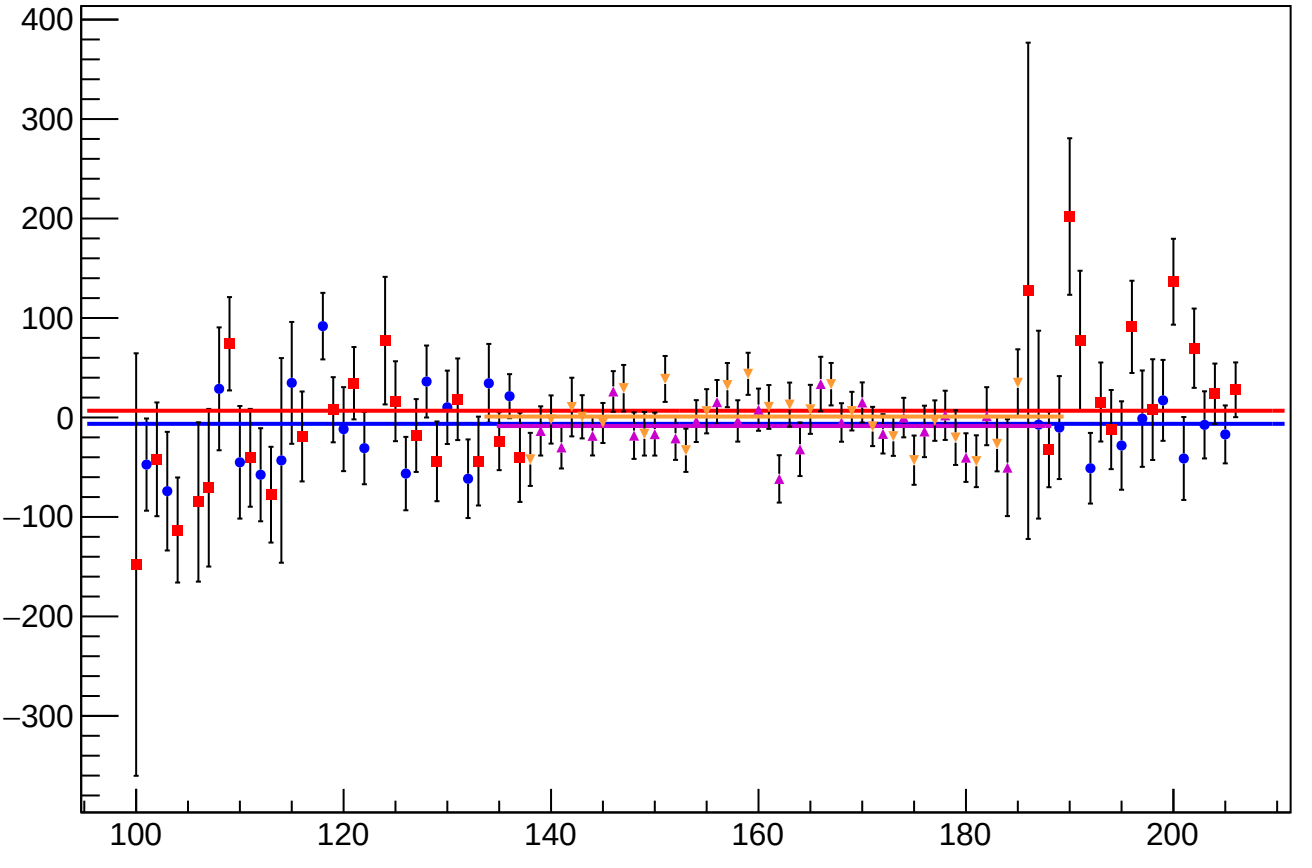
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 420.600+/-0.057 χ^2/NDF: 5604186.9/55

In: 193.859+/-0.027 χ^2/NDF:11733235.4/47

Out: 196.396+/-0.026 χ^2/NDF:14568023.0/55

All: 195.157+/-0.019 χ^2/NDF: 26305868.0/10



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.777+/-7.846 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

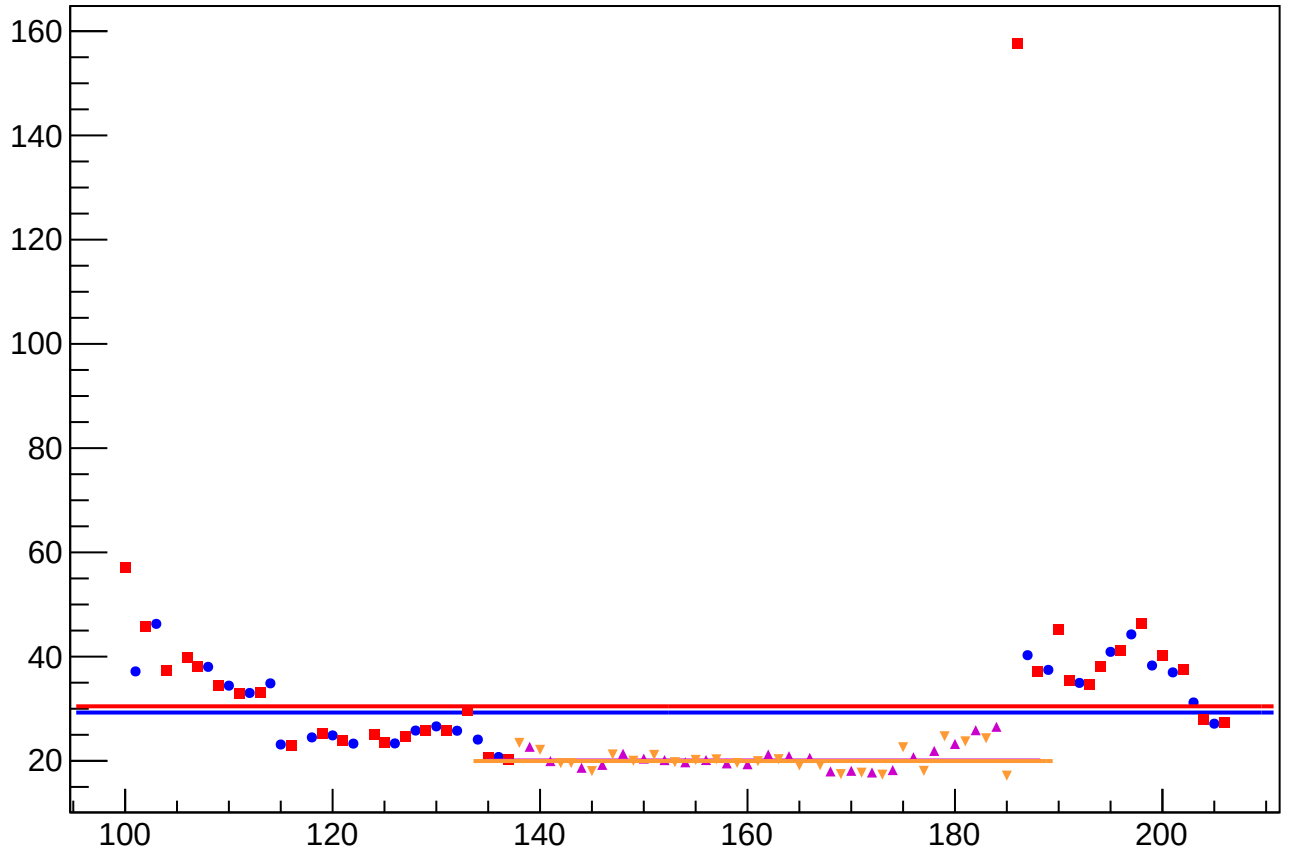
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 0.377+/-5.626 χ^2/NDF: 73.1/55

In: -8.037+/-4.077 χ^2/NDF:44.2/47

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.655+/-2.837 χ^2/NDF: 124.2/103



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

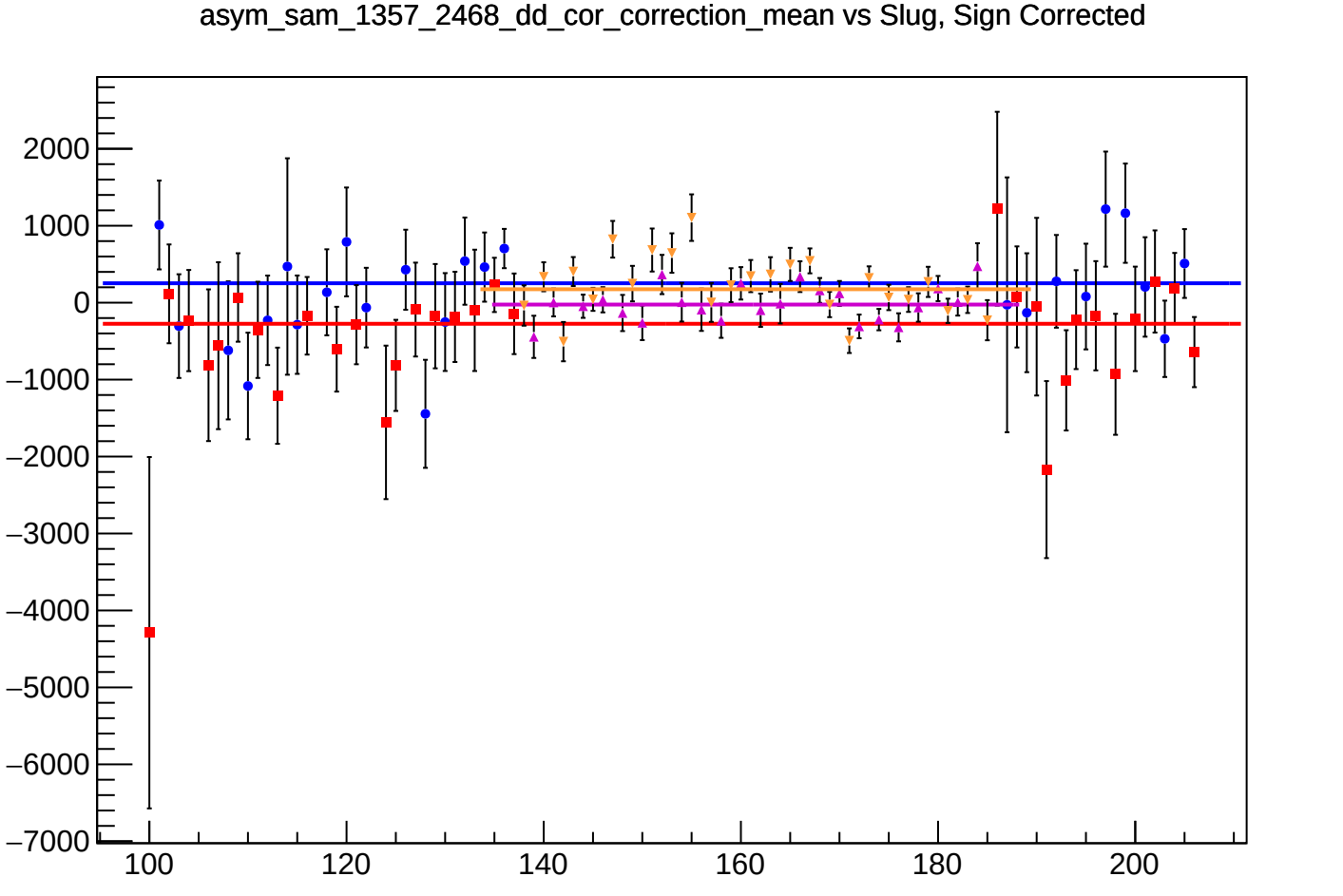
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.886+/-0.004 χ^2/NDF: 3745831.5/55

In: 22.419+/-0.003 χ^2/NDF:3738039.1/47

Out: 22.632+/-0.003 χ^2/NDF:5281601.9/55

All: 22.529+/-0.002 χ^2/NDF: 9022431.8/103



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

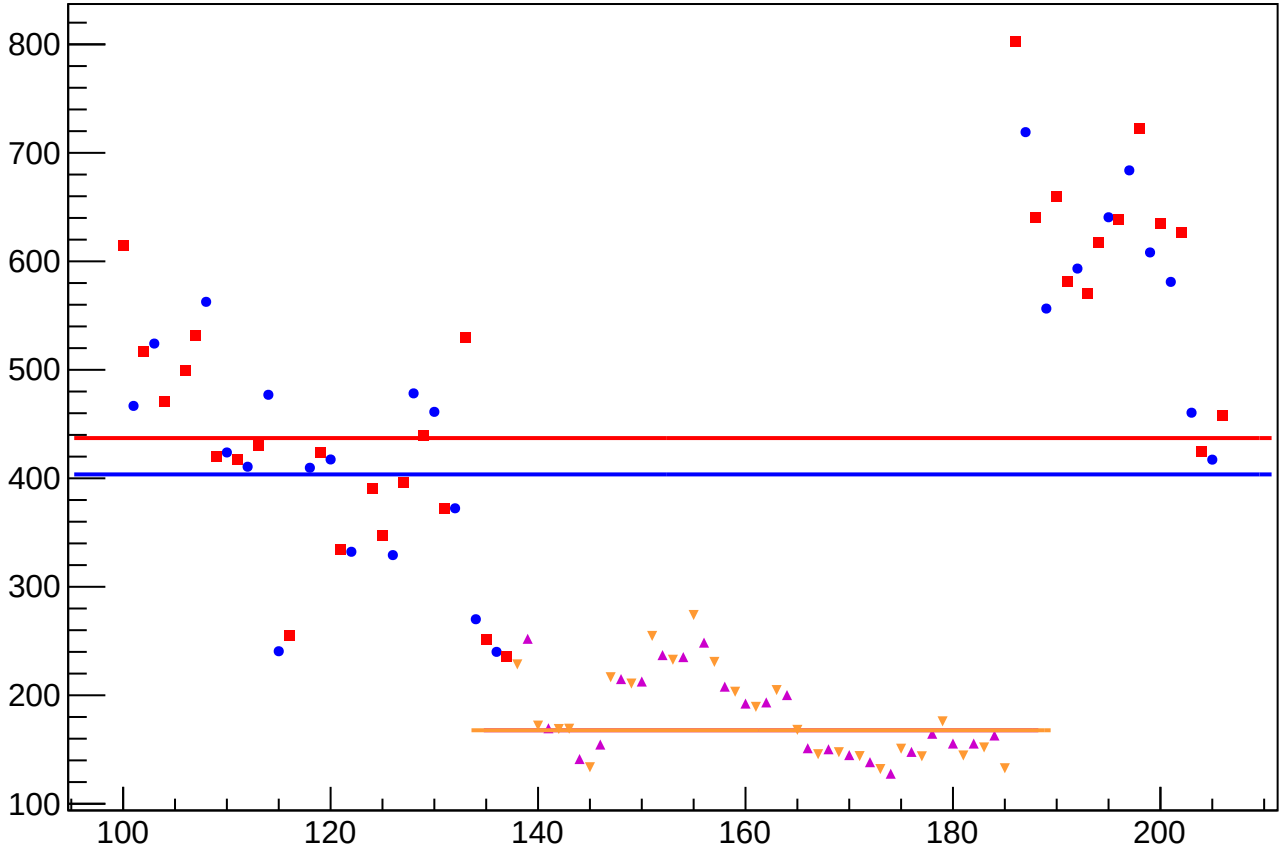
Right: -11.393+/-80.251 χ^2/NDF: 57.3/55

In: 6.059+/-37.787 χ^2/NDF:58.3/47

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 67.983+/-26.408 χ^2/NDF: 169.2/103

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

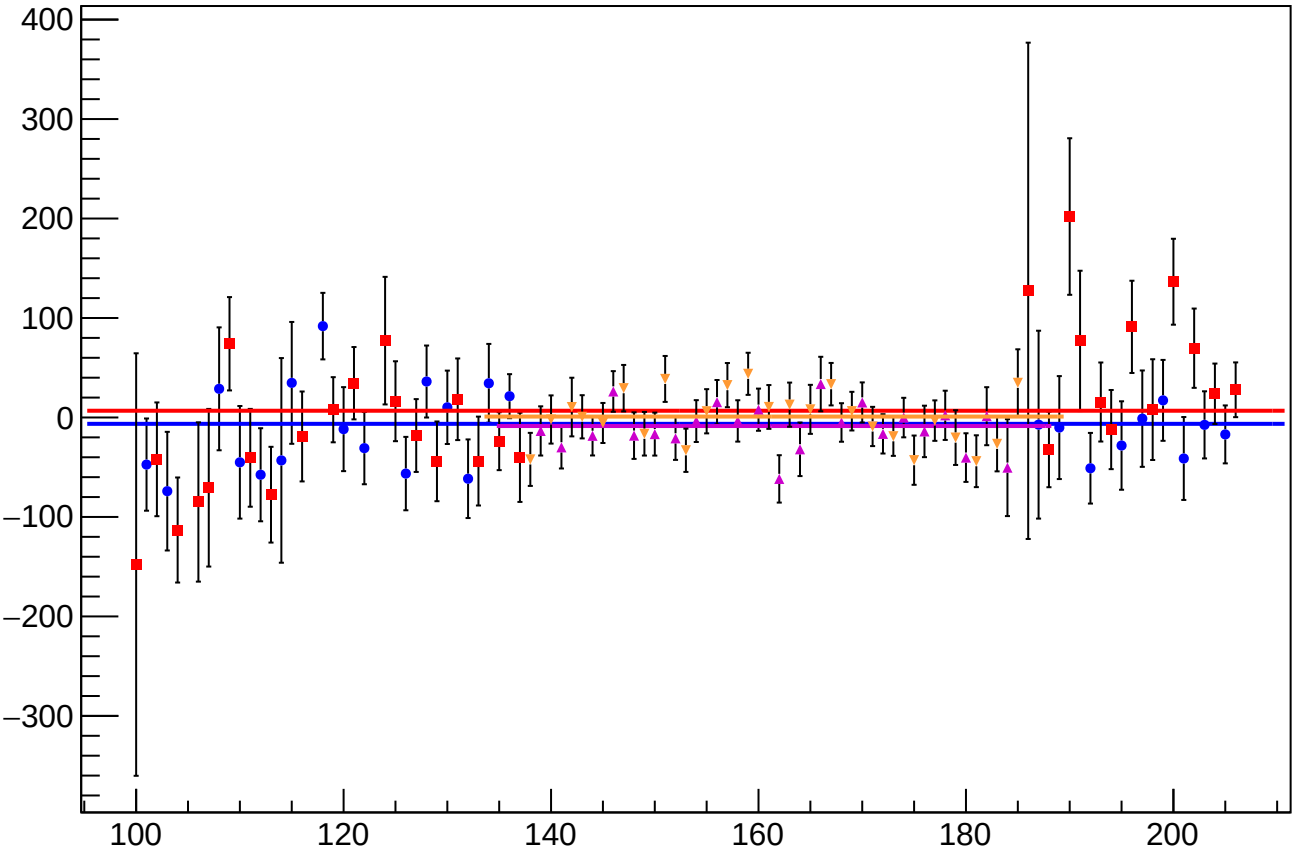
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 420.368+/-0.057 χ^2/NDF: 5593846.1/55

In: 193.859+/-0.027 χ^2/NDF:11733249.1/47

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 195.107+/-0.019 χ^2/NDF: 26246953.1/10



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.777+/-7.846 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

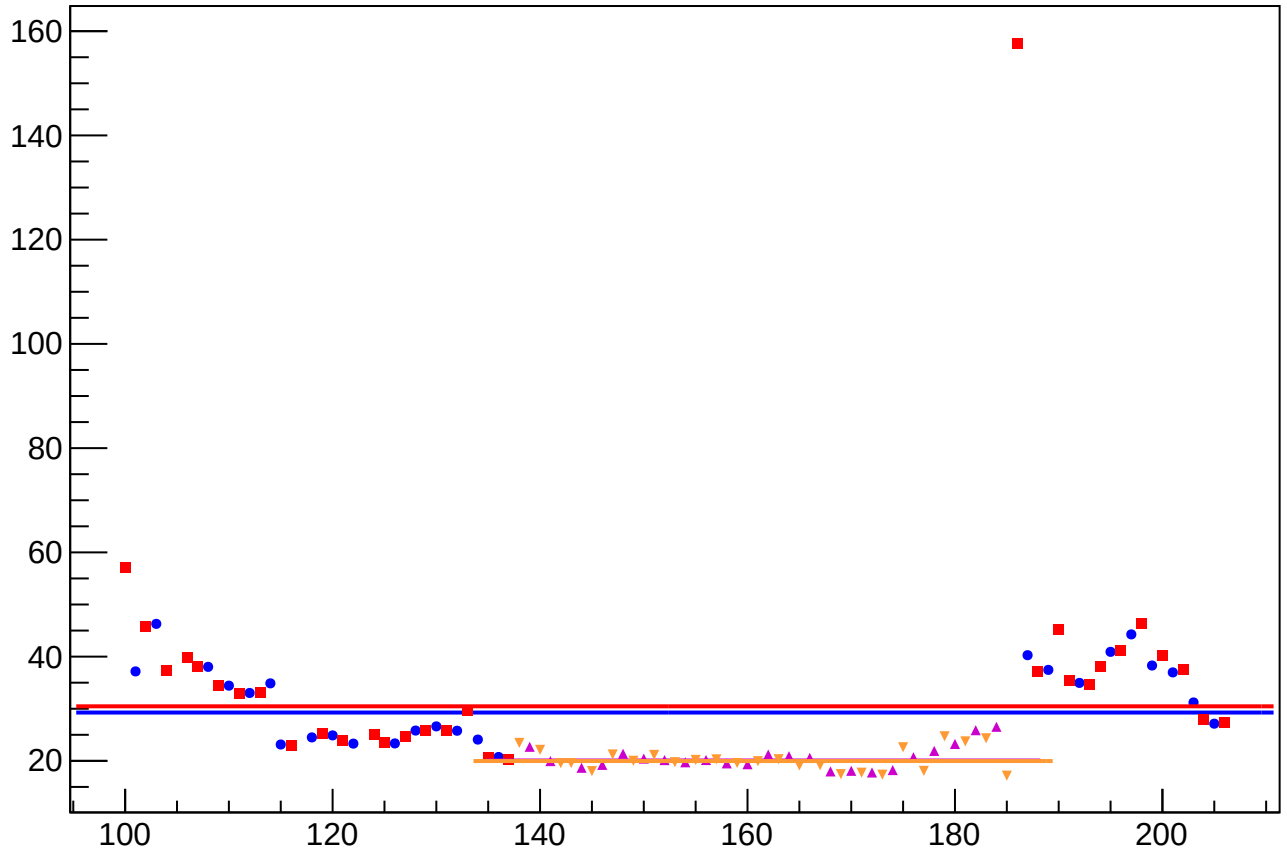
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 0.377+/-5.626 χ^2/NDF: 73.1/55

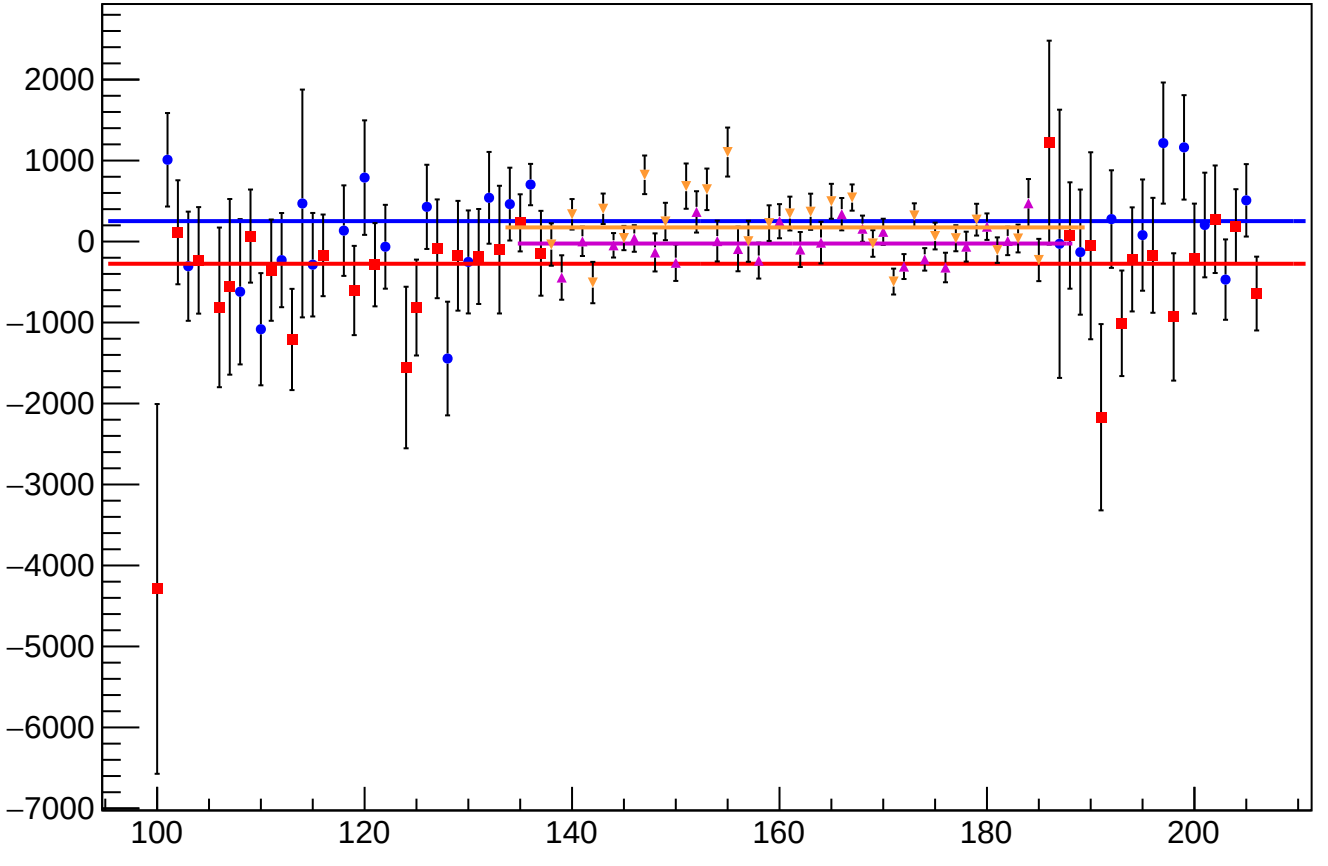
In: -8.037+/-4.077 χ^2/NDF:44.2/47

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.655+/-2.837 χ^2/NDF: 124.2/103


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 29.271+/-0.006 χ²/NDF: 1501058.1/24
Left Out: 19.969+/-0.003 χ²/NDF:386763.9/24
Right Out: 30.467+/-0.006 χ²/NDF: 2222192.3/30
Left In: 20.072+/-0.003 χ²/NDF:301705.2/22
Left: 20.019+/-0.002 χ²/NDF: 688968.7/47
Right: 29.886+/-0.004 χ²/NDF: 3745831.5/55
In: 22.419+/-0.003 χ²/NDF:3738039.1/47
Out: 22.632+/-0.003 χ²/NDF:5281601.9/55
All: 22.529+/-0.002 χ²/NDF: 9022431.8/103

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

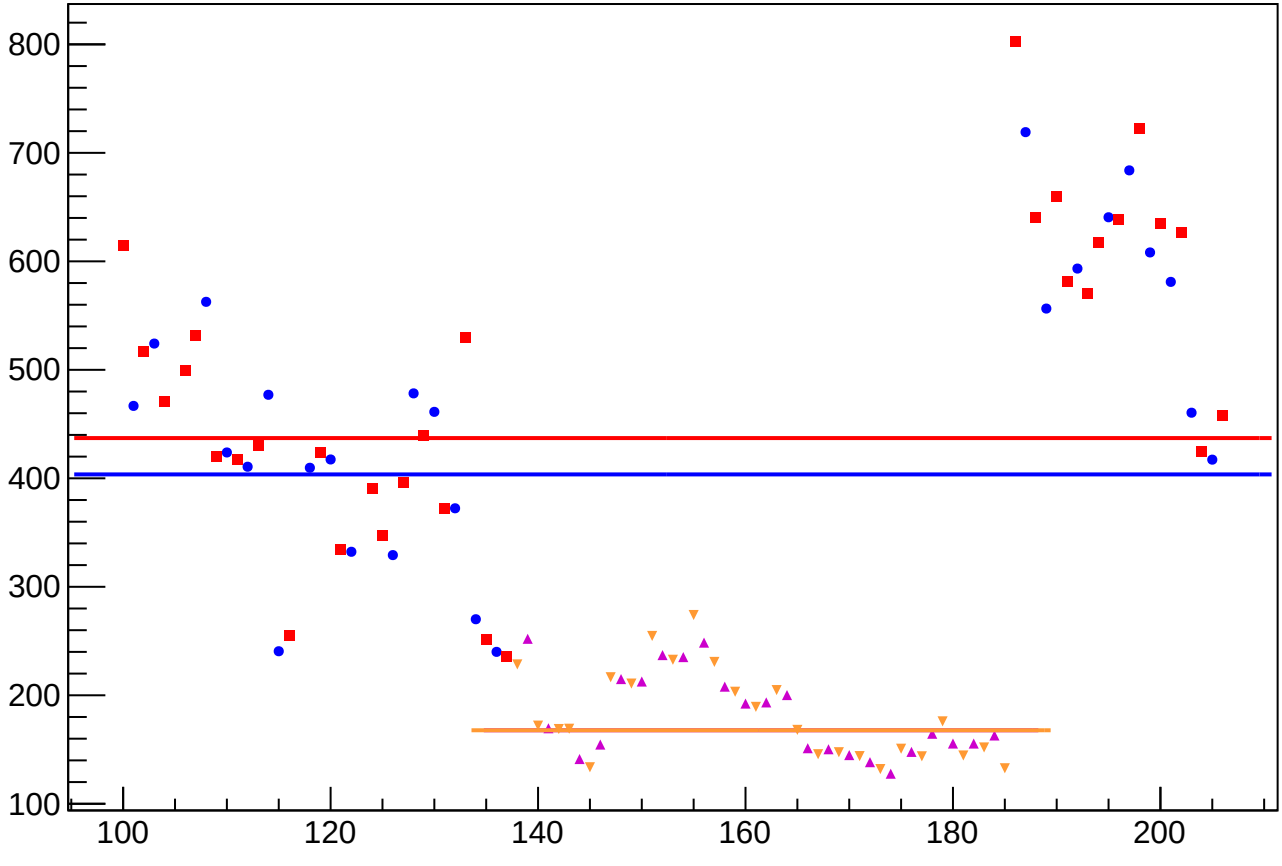
Right: -11.393+/-80.251 χ^2/NDF: 57.3/55

In: 6.059+/-37.787 χ^2/NDF:58.3/47

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 67.983+/-26.408 χ^2/NDF: 169.2/103

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

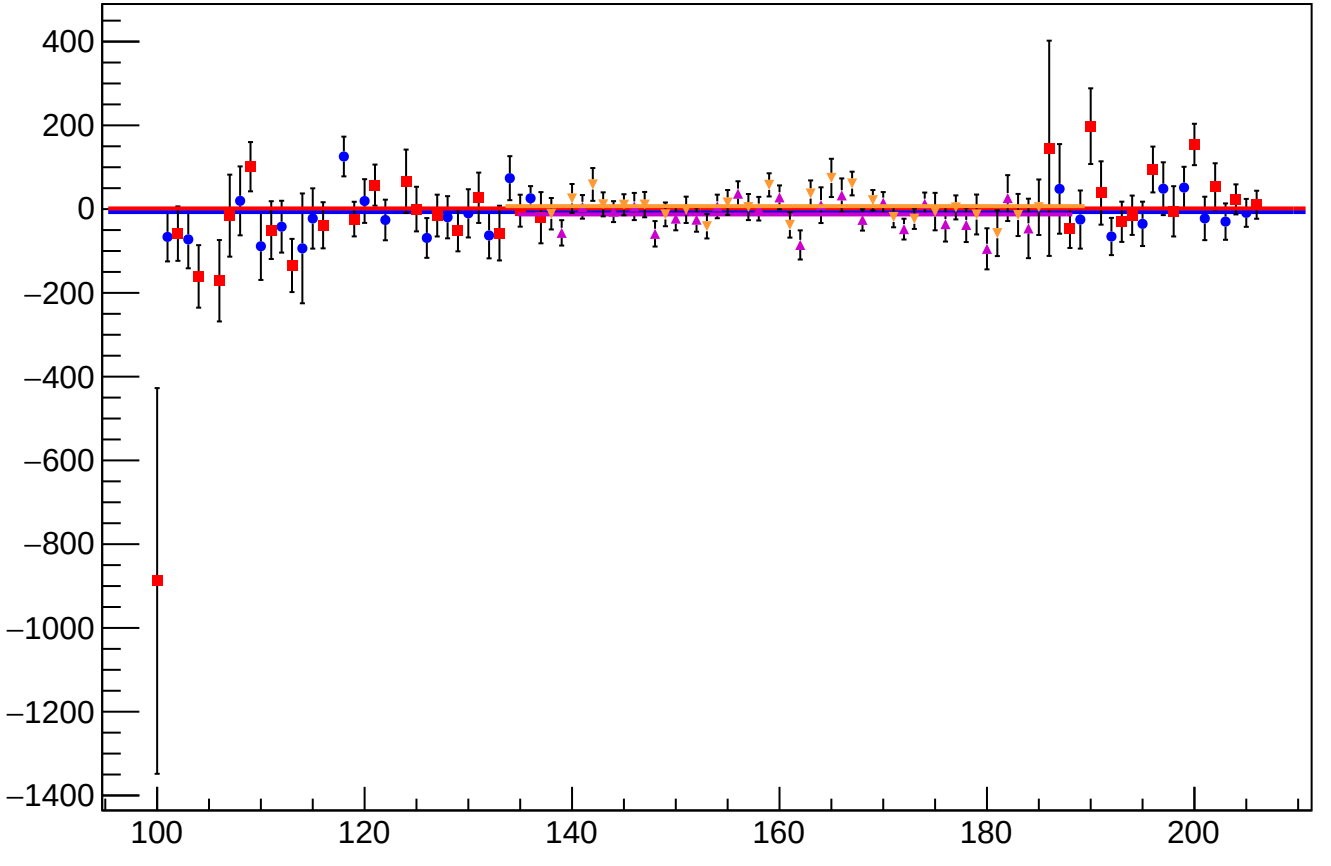
Right: 420.368+/-0.057 χ^2/NDF: 5593846.1/55

In: 193.859+/-0.027 χ^2/NDF:11733249.1/47

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 195.107+/-0.019 χ^2/NDF: 26246953.1/10

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -7.046+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.618+/-9.908 χ^2/NDF: 46.5/30

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

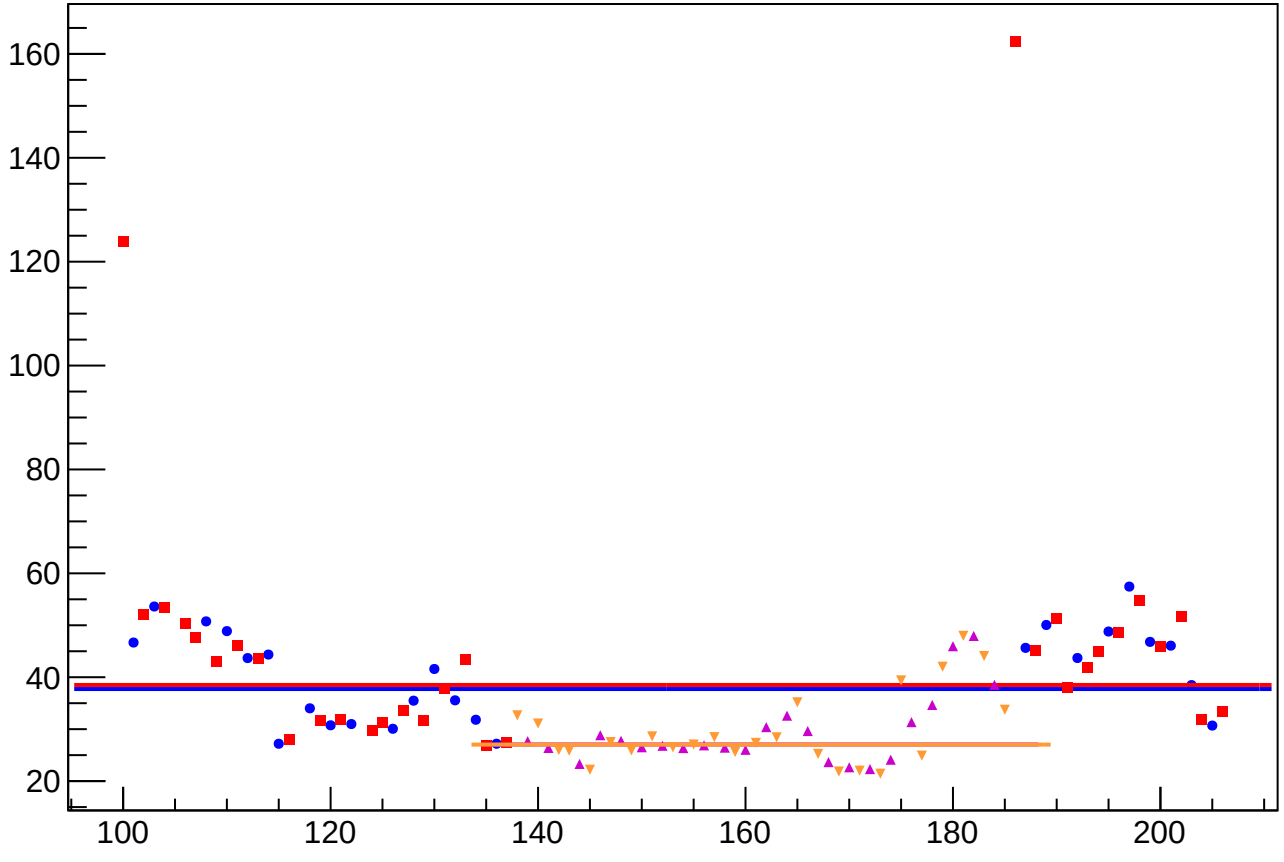
Right: -2.492+/-7.184 χ^2/NDF: 70.3/55

In: -11.112+/-5.525 χ^2/NDF:49.2/47

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -2.520+/-3.838 χ^2/NDF: 123.4/103

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.007 χ^2/NDF: 1351826.6/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.510+/-0.007 χ^2/NDF: 1958255.7/30

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

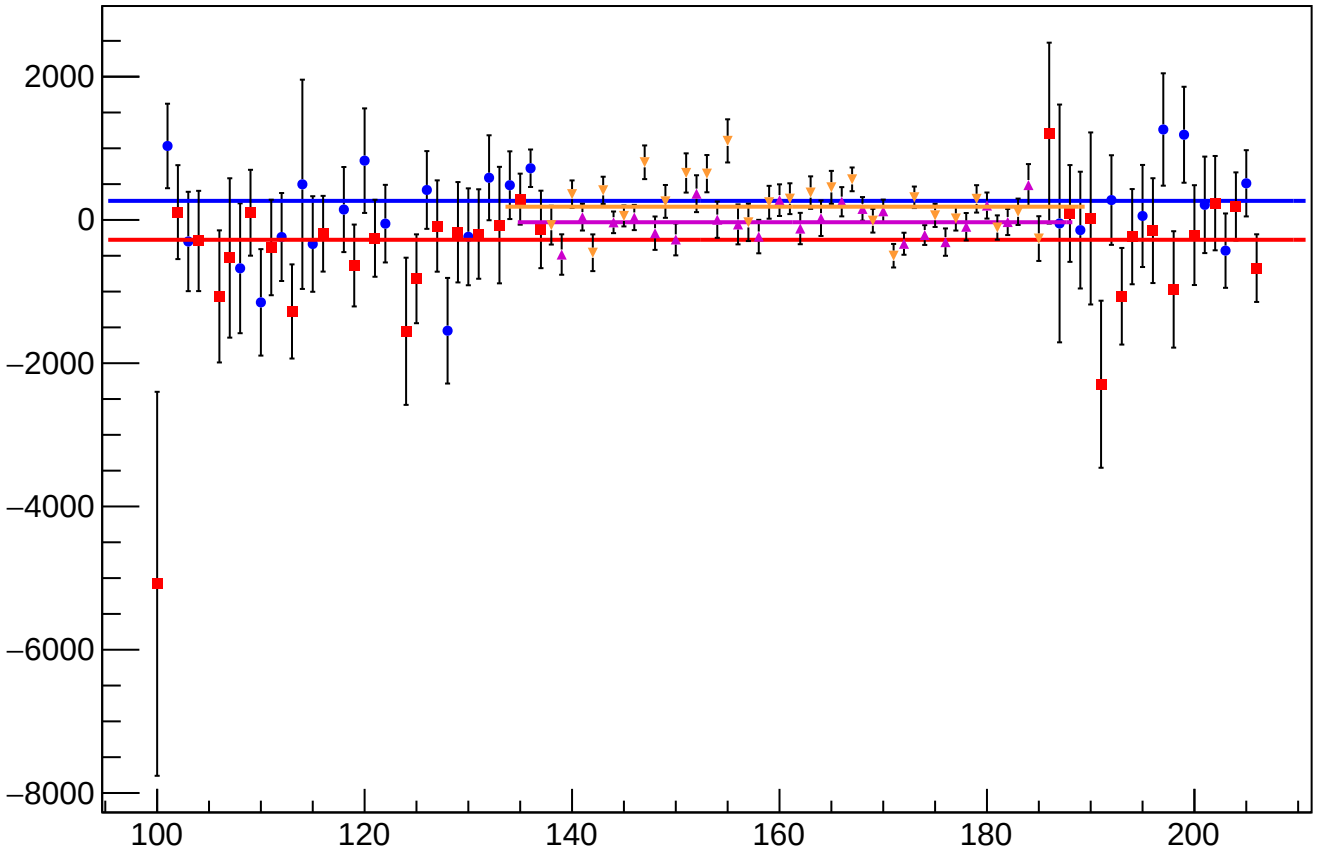
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 38.137+/-0.005 χ^2/NDF: 3316039.4/55

In: 30.046+/-0.004 χ^2/NDF:3902611.0/47

Out: 30.357+/-0.004 χ^2/NDF:5296024.7/55

All: 30.207+/-0.003 χ^2/NDF: 9201911.7/103



Right In: 266.319+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -276.995+/-117.255 χ^2/NDF: 21.8/30

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

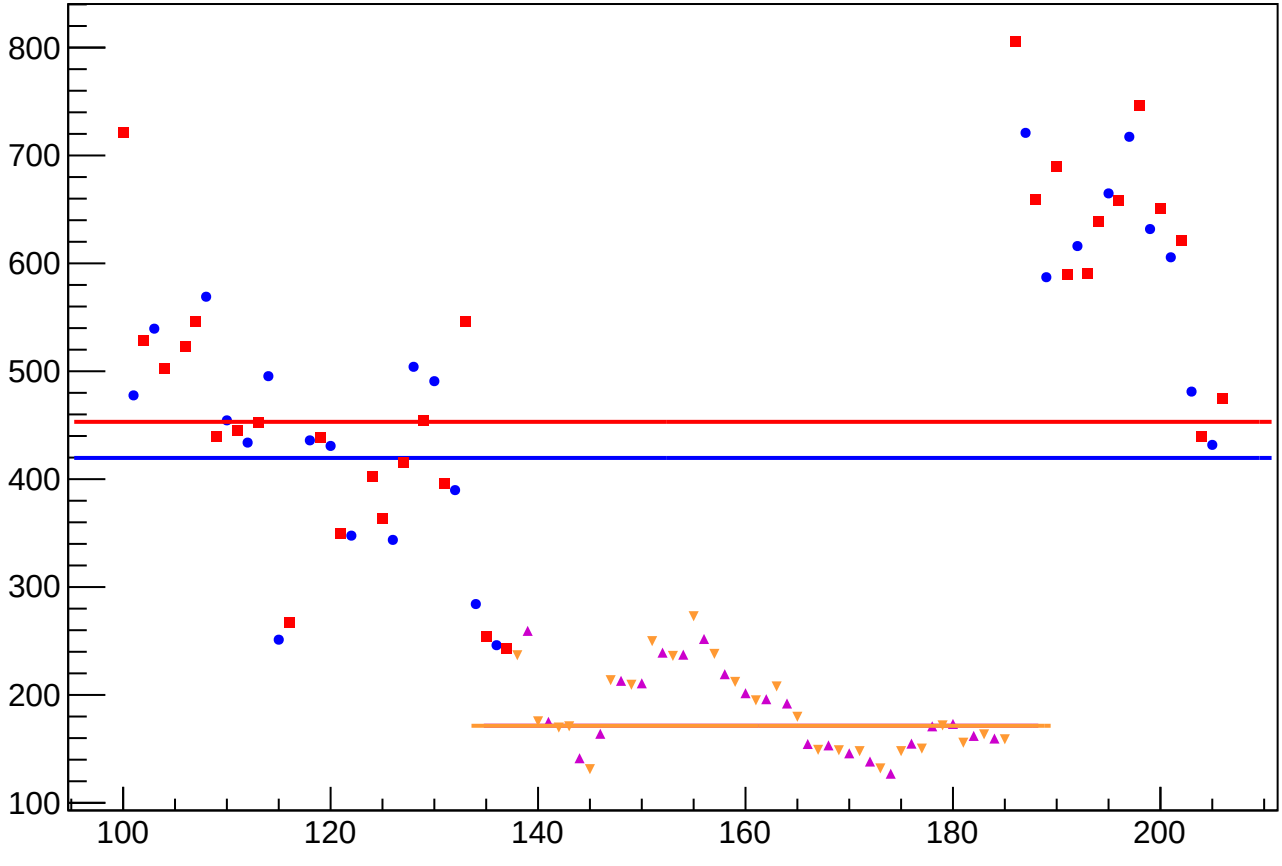
Right: -7.361+/-83.220 χ^2/NDF: 58.2/55

In: 0.134+/-38.712 χ^2/NDF:57.8/47

Out: 136.911+/-37.715 χ^2/NDF:103.4/55

All: 70.306+/-27.014 χ^2/NDF: 167.6/103

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 419.667+/-0.084 χ^2/NDF: 2700842.8/24

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.124+/-0.083 χ^2/NDF: 2828146.1/30

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

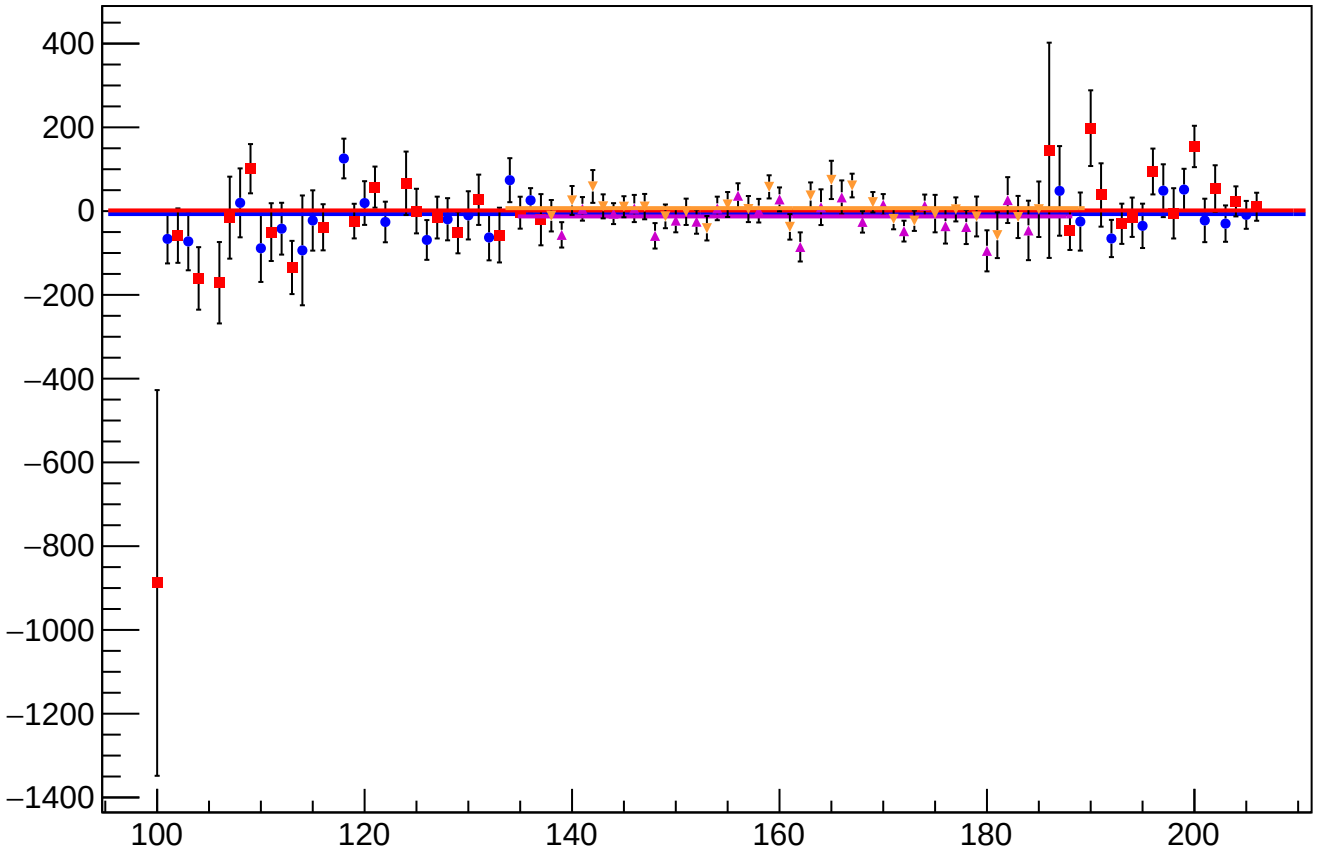
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 436.520+/-0.059 χ^2/NDF: 5609797.8/55

In: 198.142+/-0.027 χ^2/NDF:11995799.8/47

Out: 200.571+/-0.027 χ^2/NDF:14704031.1/55

All: 199.388+/-0.019 χ^2/NDF: 26703871.4/10



Right In: -7.047+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.617+/-9.908 χ^2/NDF: 46.5/30

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

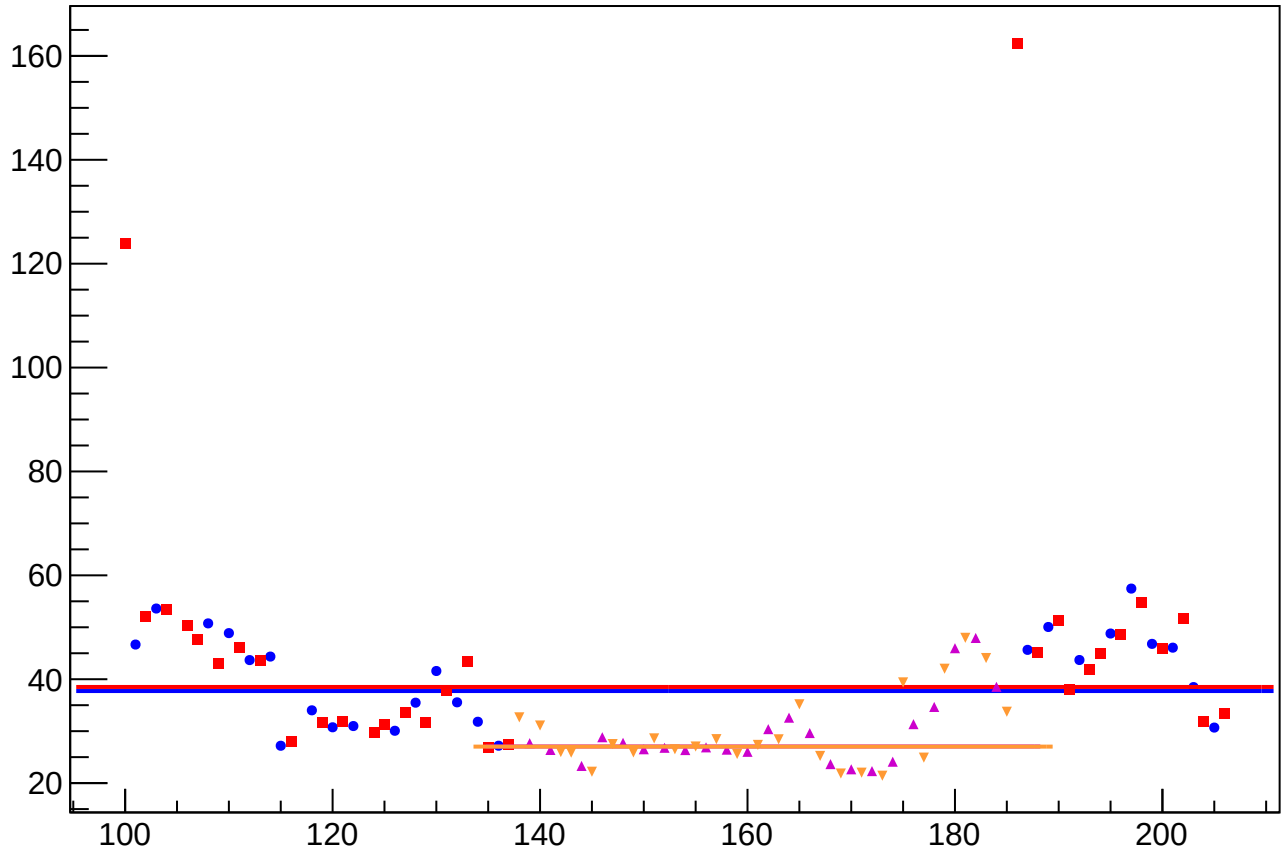
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -2.493+/-7.184 χ^2/NDF: 70.3/55

In: -11.112+/-5.525 χ^2/NDF:49.2/47

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -2.520+/-3.838 χ^2/NDF: 123.4/103



Right In: 37.724+/-0.007 χ^2/NDF: 1351823.8/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 38.510+/-0.007 χ^2/NDF: 1958262.5/30

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

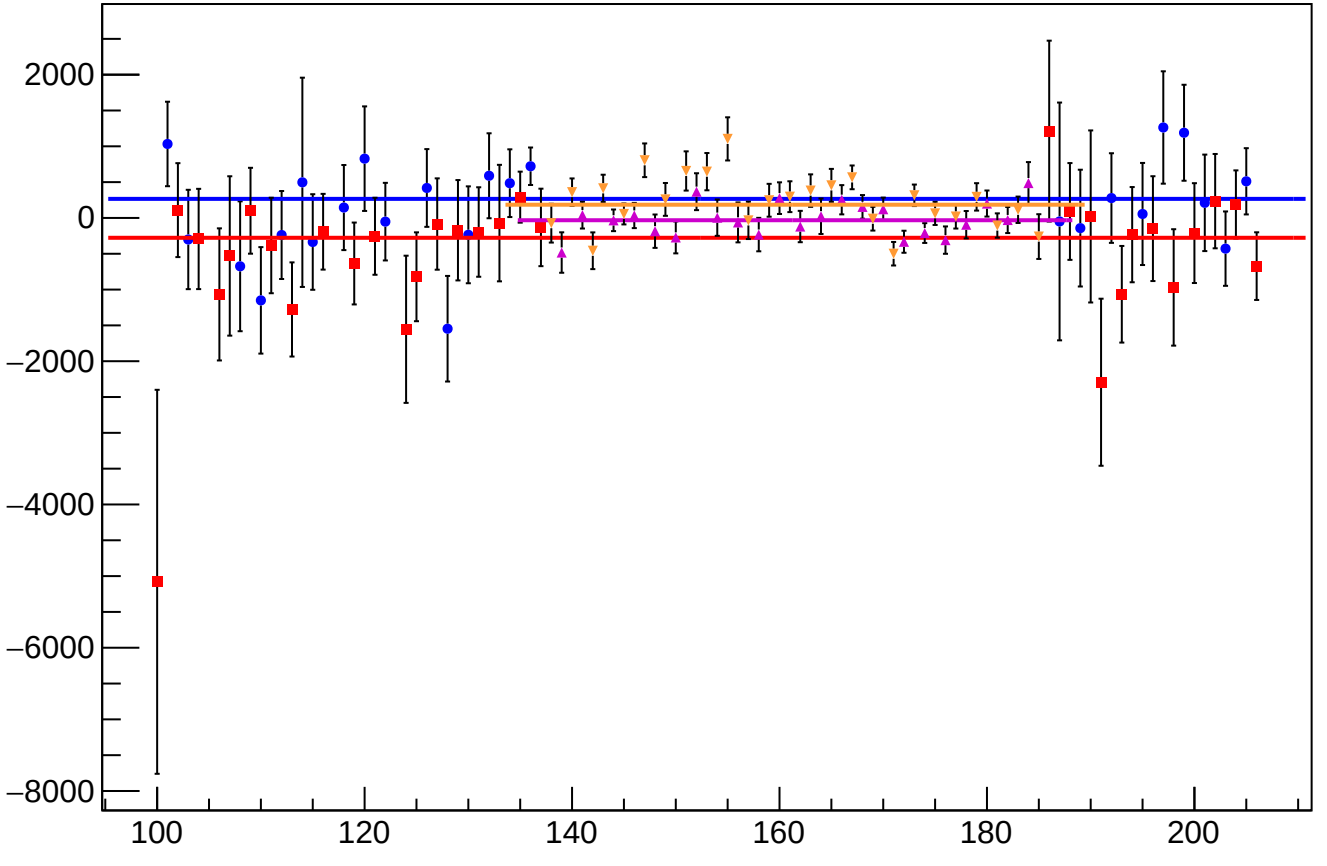
Right: 38.137+/-0.005 χ^2/NDF: 3316046.2/55

In: 30.046+/-0.004 χ^2/NDF:3902484.7/47

Out: 30.357+/-0.004 χ^2/NDF:5295960.8/55

All: 30.207+/-0.003 χ^2/NDF: 9201722.7/103

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 266.318+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -276.996+/-117.255 χ^2/NDF: 21.8/30

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

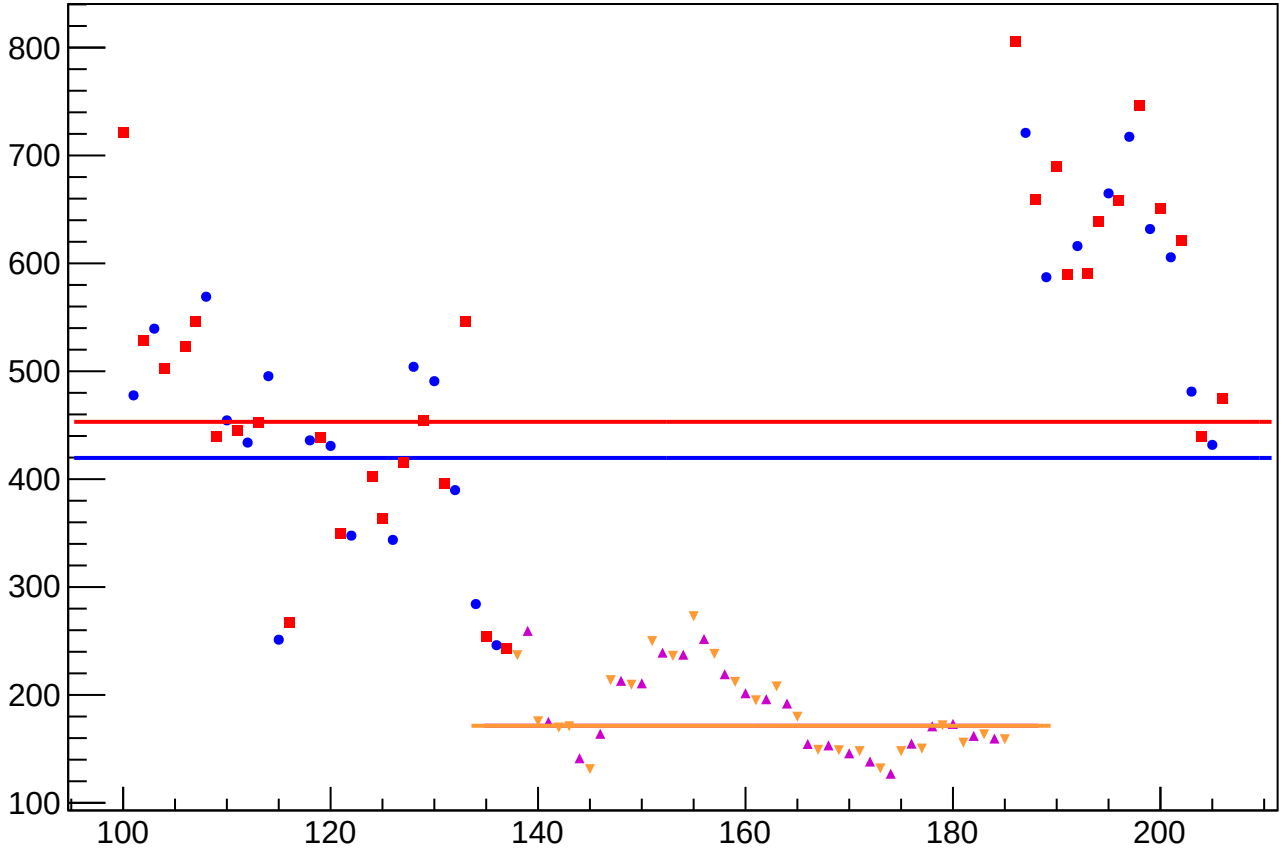
Right: -7.362+/-83.220 χ^2/NDF: 58.2/55

In: 0.133+/-38.712 χ^2/NDF:57.8/47

Out: 136.910+/-37.715 χ^2/NDF:103.4/55

All: 70.306+/-27.014 χ^2/NDF: 167.6/103

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 419.666+/-0.084 χ^2/NDF: 2700847.9/24

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.123+/-0.083 χ^2/NDF: 2828158.2/30

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

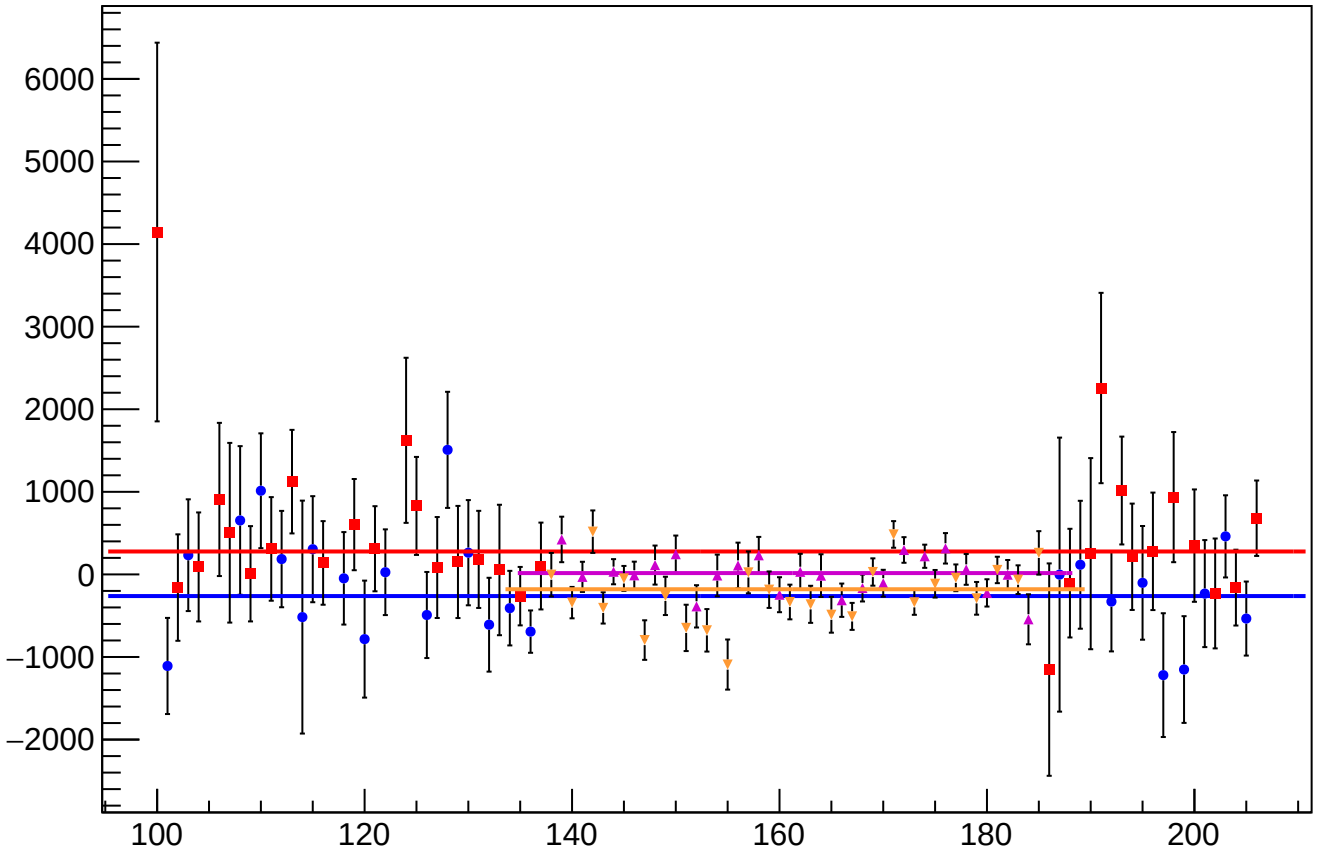
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 436.519+/-0.059 χ^2/NDF: 5609815.9/55

In: 198.141+/-0.027 χ^2/NDF:11995835.8/47

Out: 200.570+/-0.027 χ^2/NDF:14704078.7/55

All: 199.387+/-0.019 χ^2/NDF: 26703955.3/10



Right In: -262.220+/-113.926 χ^2/NDF: 26.3/24

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 277.556+/-113.639 χ^2/NDF: 20.5/30

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

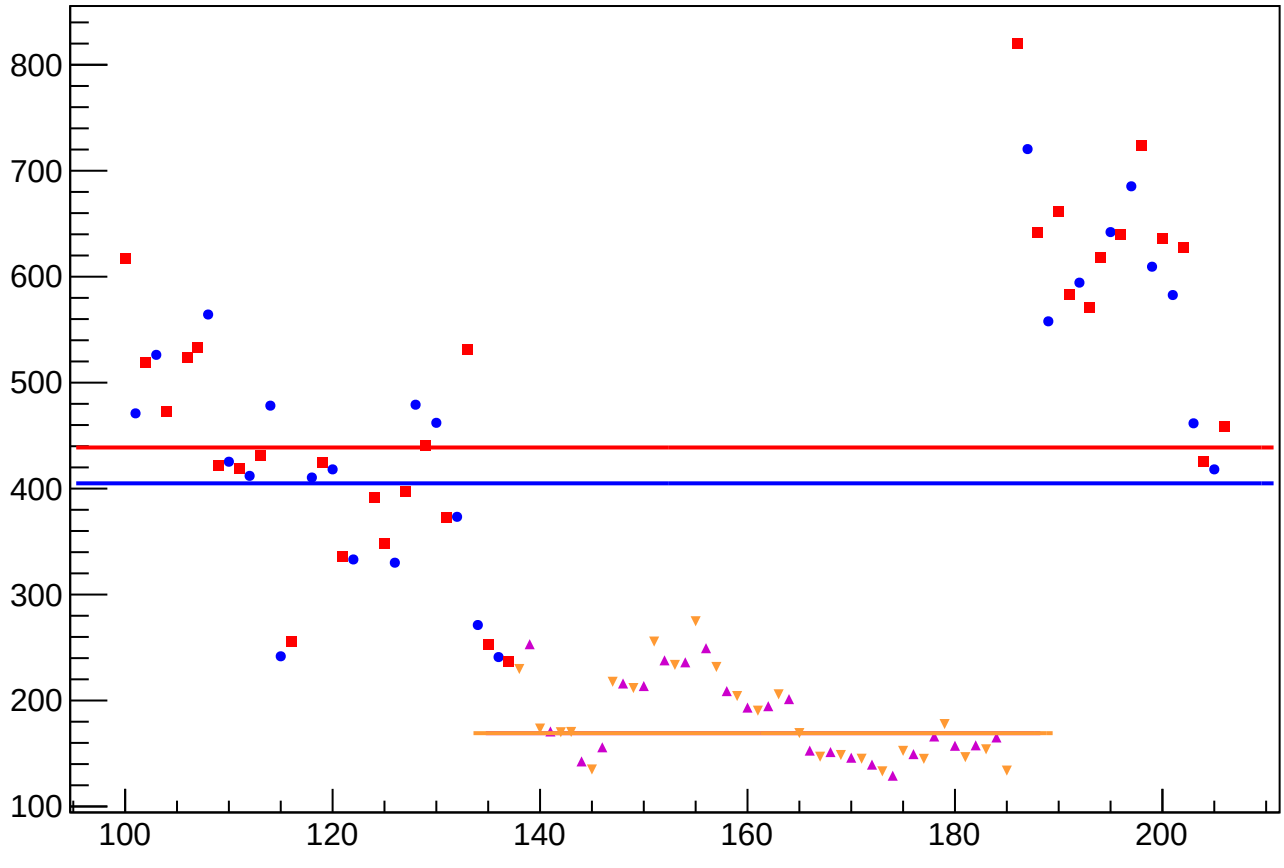
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 8.351+/-80.456 χ^2/NDF: 58.1/55

In: -15.023+/-38.074 χ^2/NDF:58.2/47

Out: -130.673+/-37.195 χ^2/NDF:102.1/55

All: -74.197+/-26.606 χ^2/NDF: 165.0/103



Right In: 404.972+/-0.081 χ^2/NDF: 2650643.0/24

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.811+/-0.080 χ^2/NDF: 2855627.6/30

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

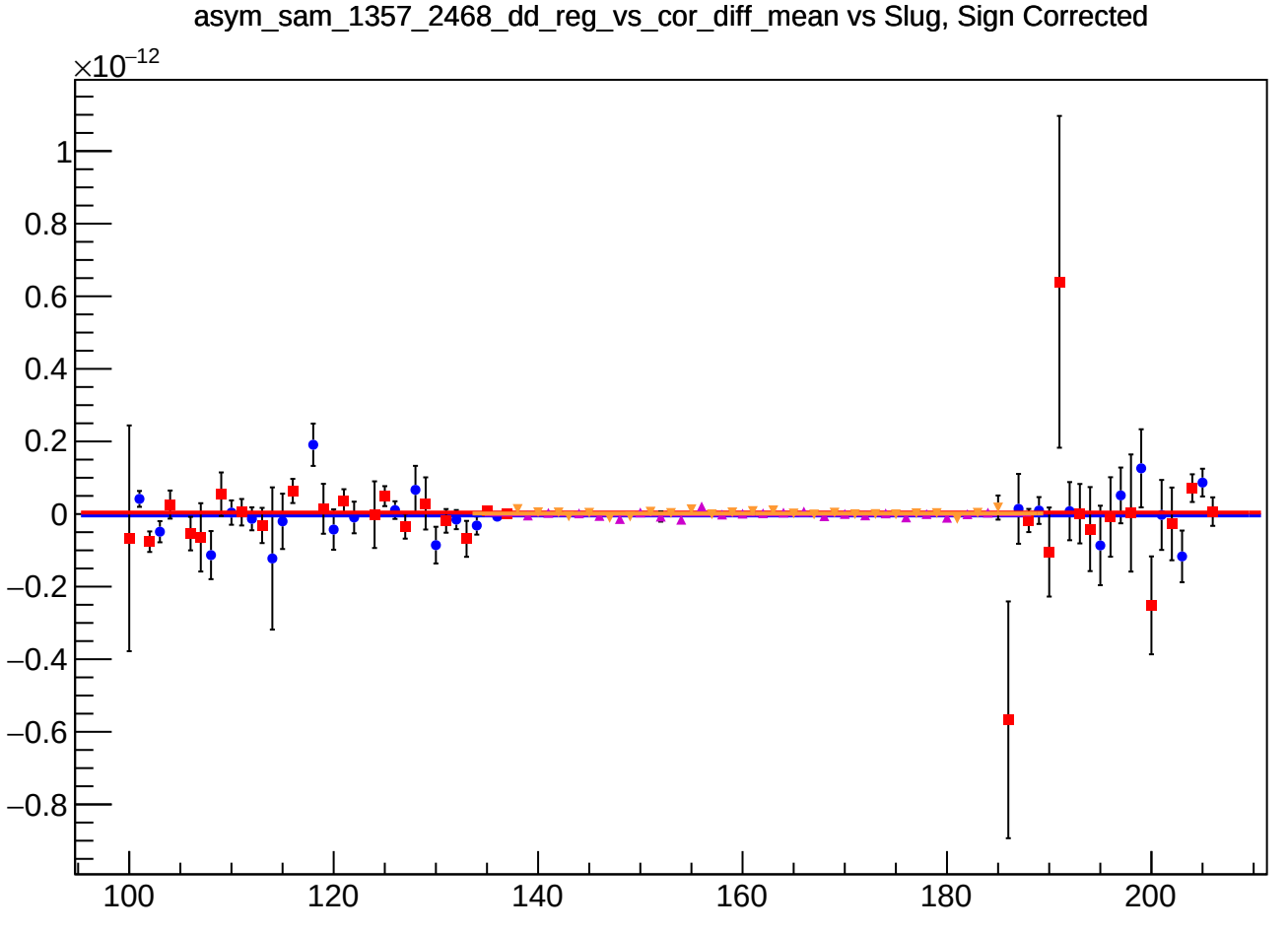
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 421.934+/-0.057 χ^2/NDF: 5594720.5/55

In: 195.521+/-0.027 χ^2/NDF:11634973.8/47

Out: 198.068+/-0.026 χ^2/NDF:14456470.3/55

All: 196.824+/-0.019 χ^2/NDF: 26096024.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

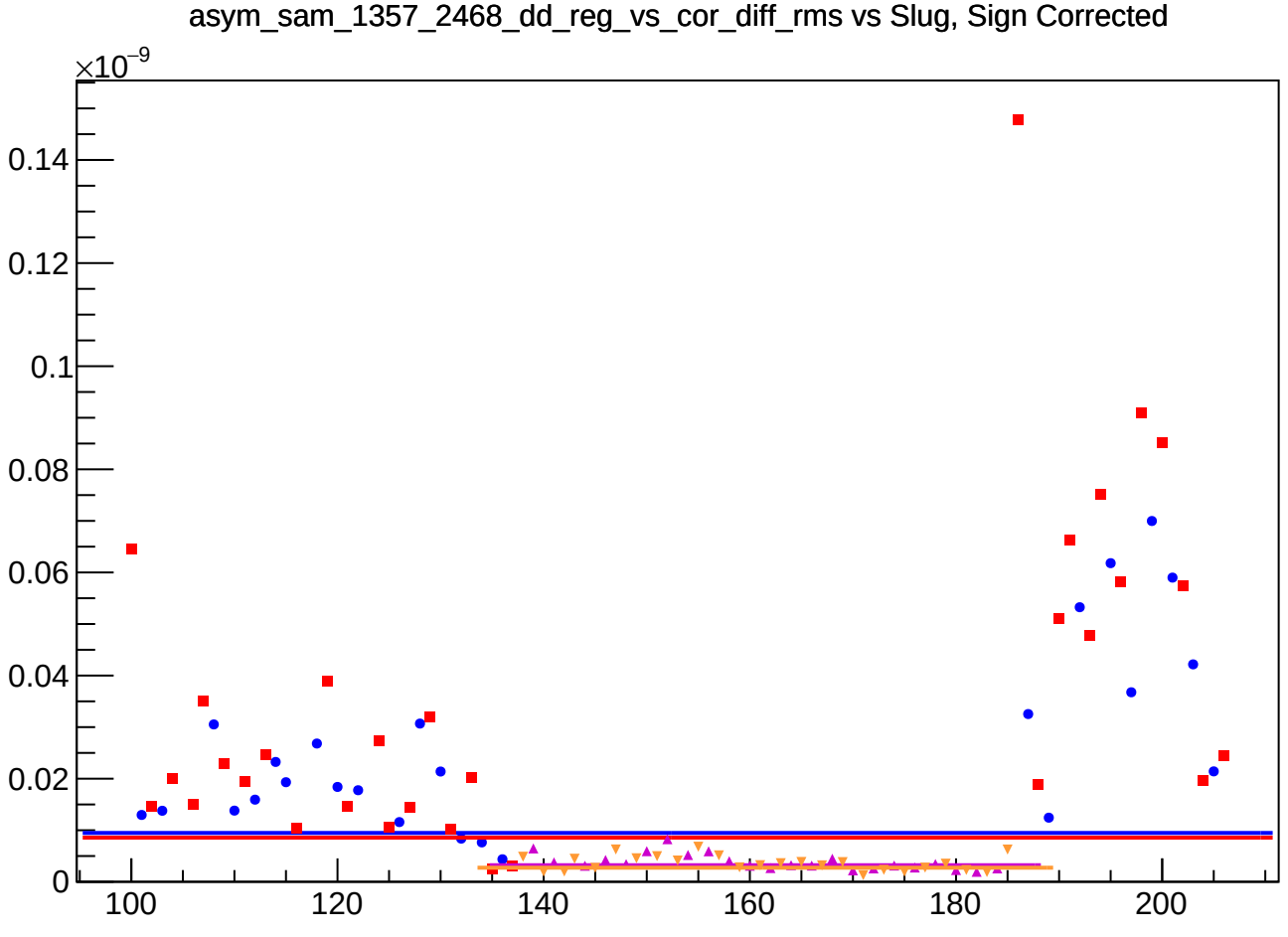
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.6/55

In: -0.000+/-0.000 χ^2/NDF:58.1/47

Out: 0.000+/-0.000 χ^2/NDF:55.2/55

All: 0.000+/-0.000 χ^2/NDF: 116.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 5295477.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8110340.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

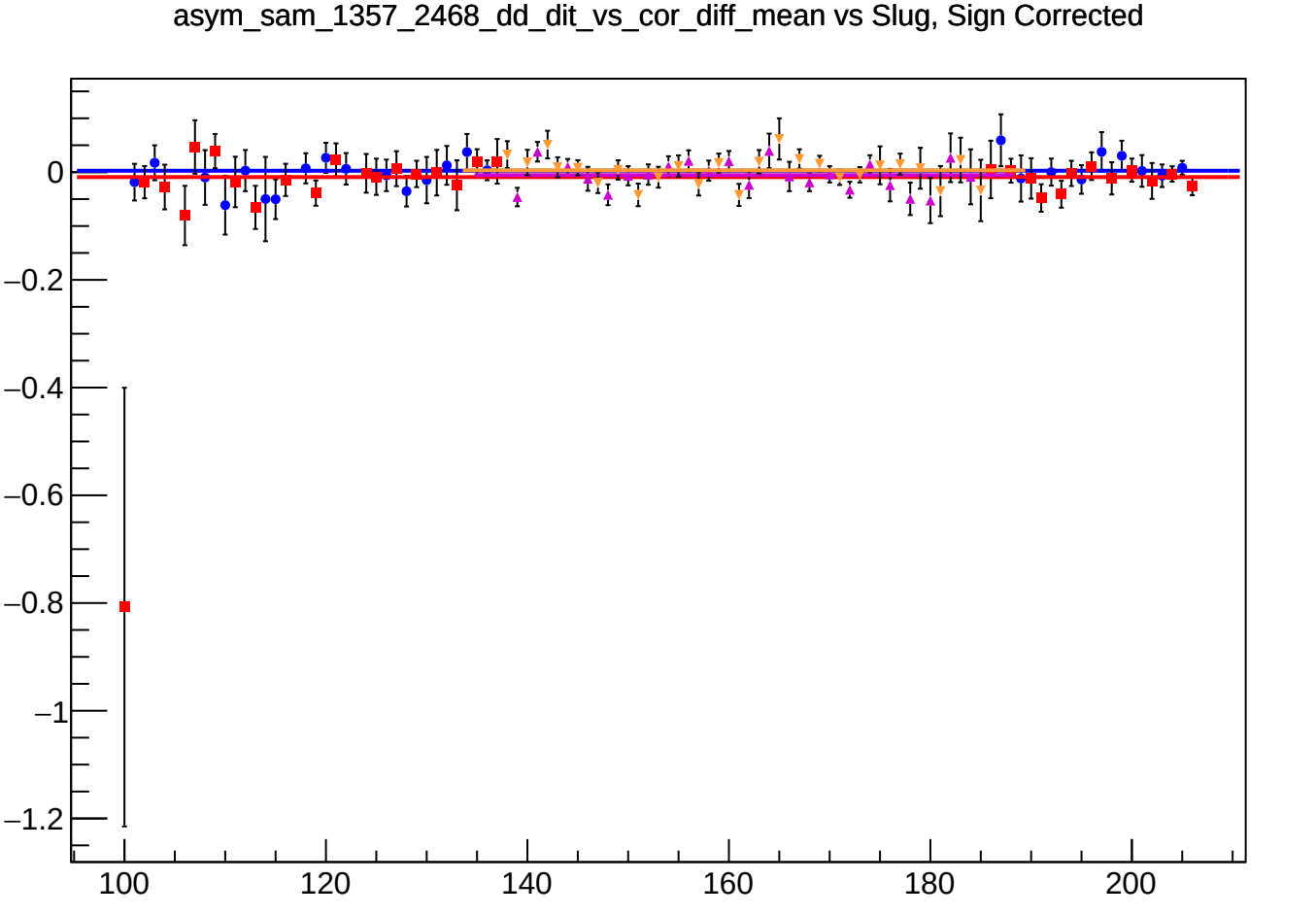
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13433756.6/55

In: 0.000+/-0.000 χ^2/NDF:9106425.3/47

Out: 0.000+/-0.000 χ^2/NDF:12327604.0/55

All: 0.000+/-0.000 χ^2/NDF: 21650372.6/103



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

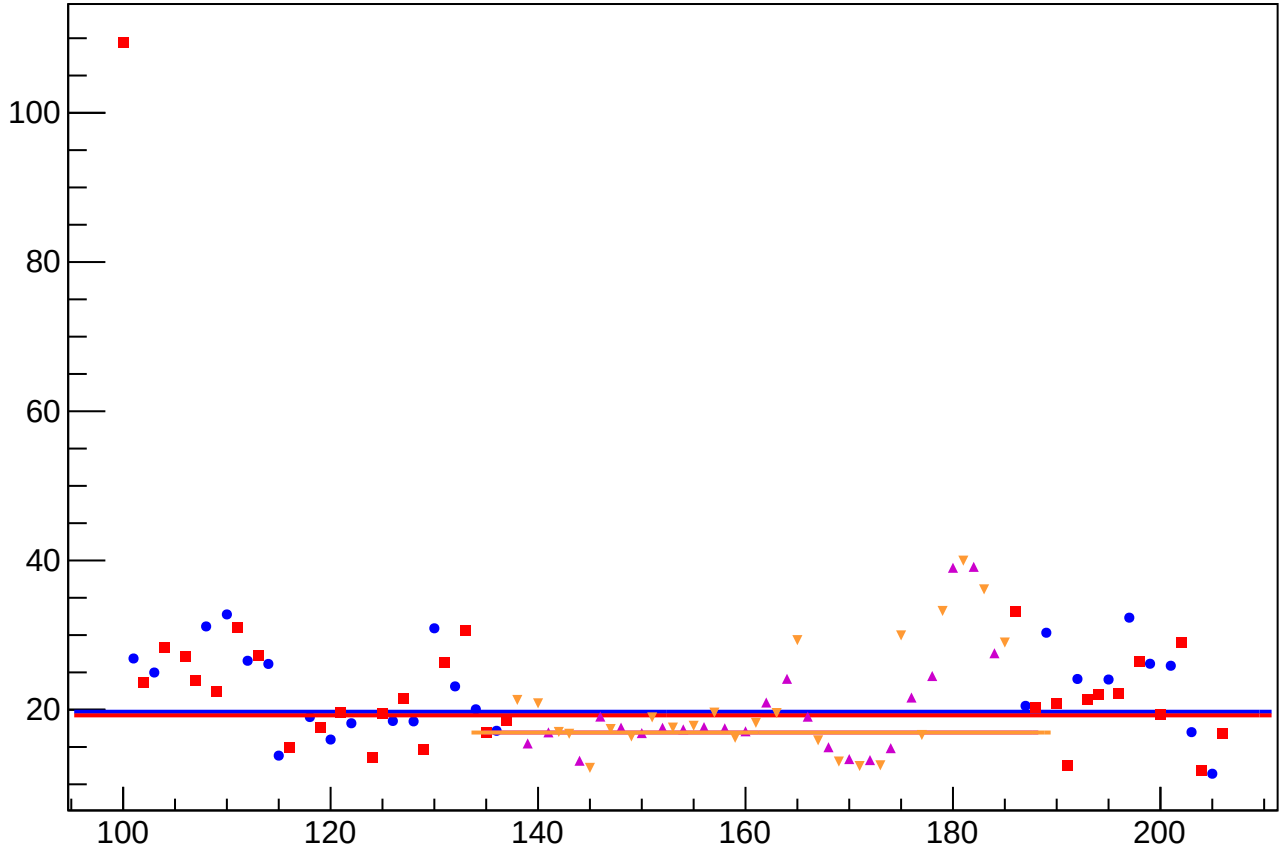
Right: -0.004+/-0.004 χ^2/NDF: 38.0/55

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.002+/-0.002 χ^2/NDF: 100.8/103

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

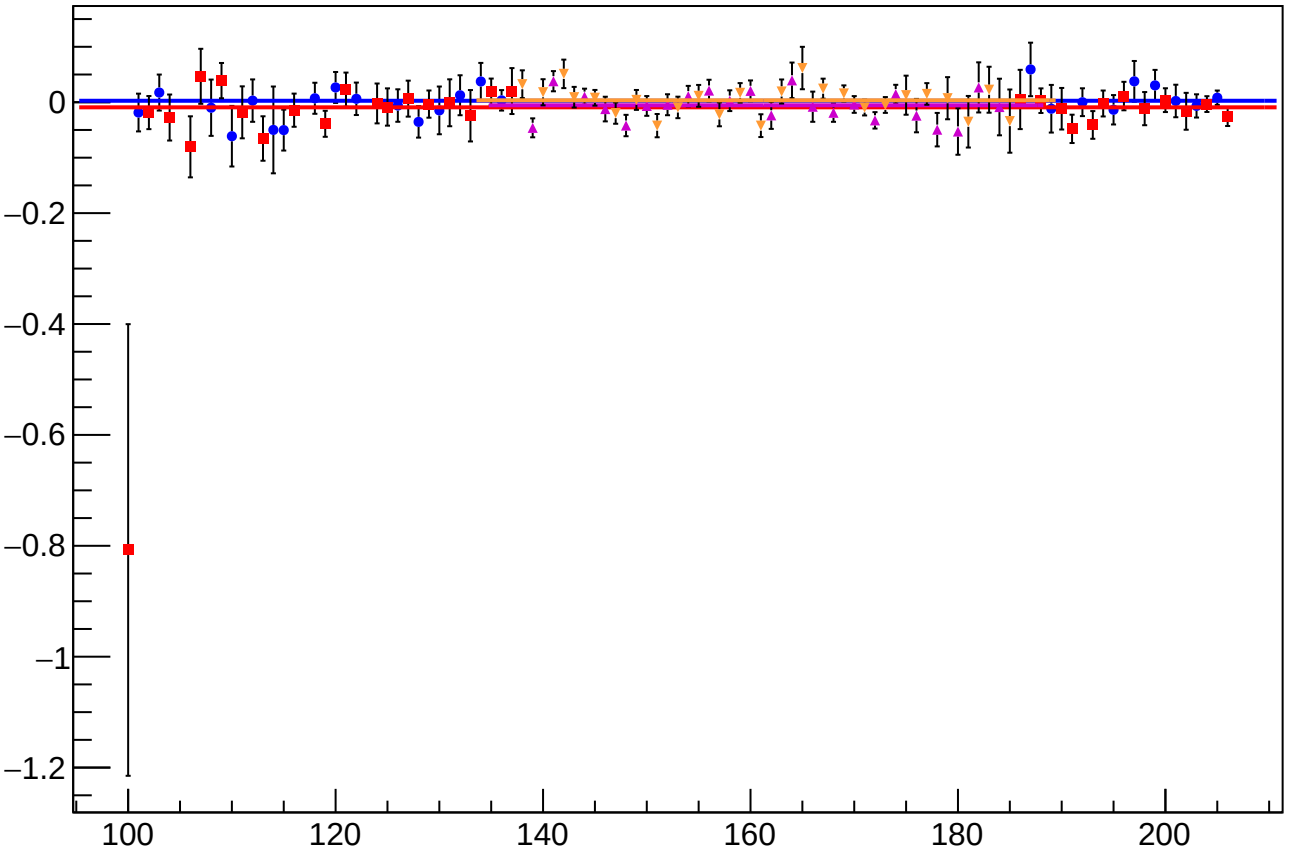
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.457+/-0.003 χ^2/NDF: 4378651.2/55

In: 17.921+/-0.002 χ^2/NDF:4508416.2/47

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.876+/-0.002 χ^2/NDF: 9706516.4/103



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

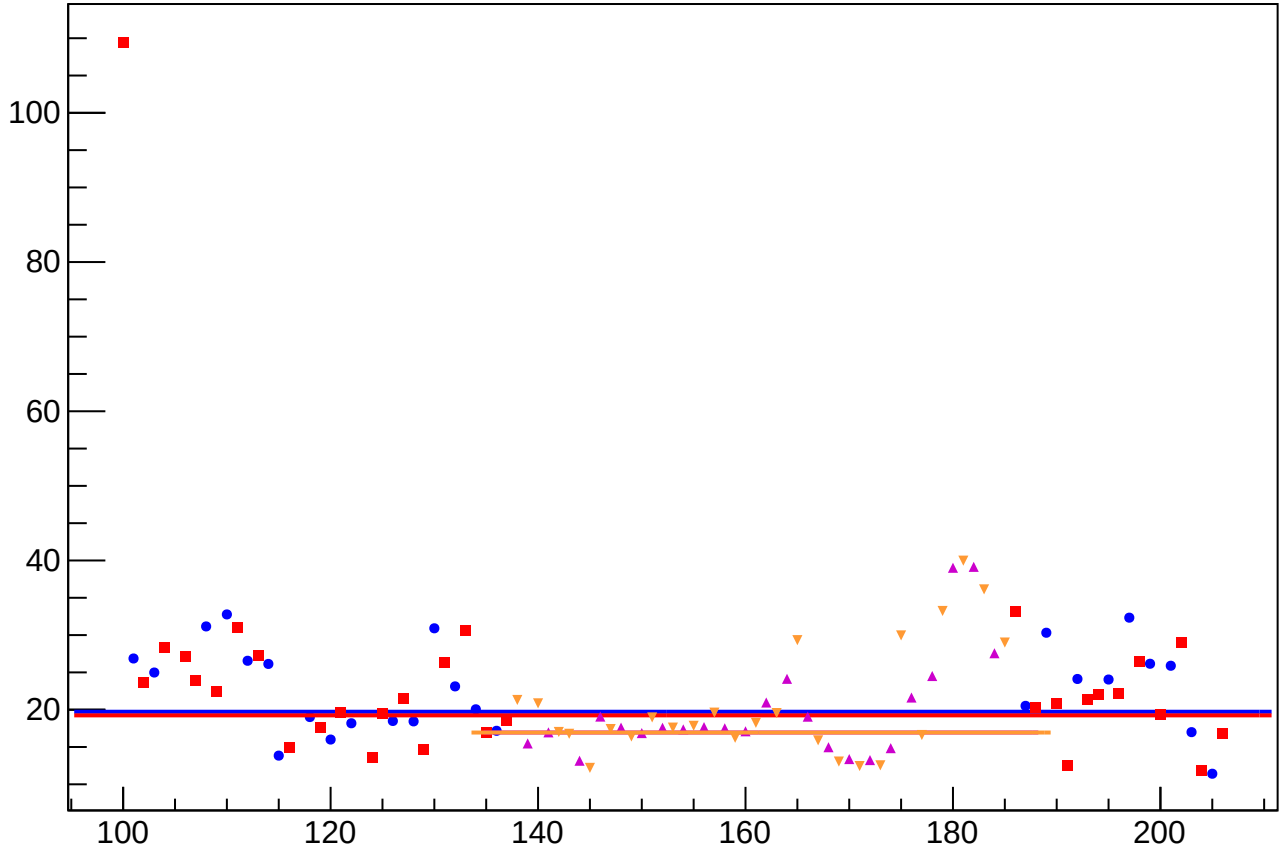
Right: -0.004+/-0.004 χ^2/NDF: 38.0/55

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.002+/-0.002 χ^2/NDF: 100.8/103

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

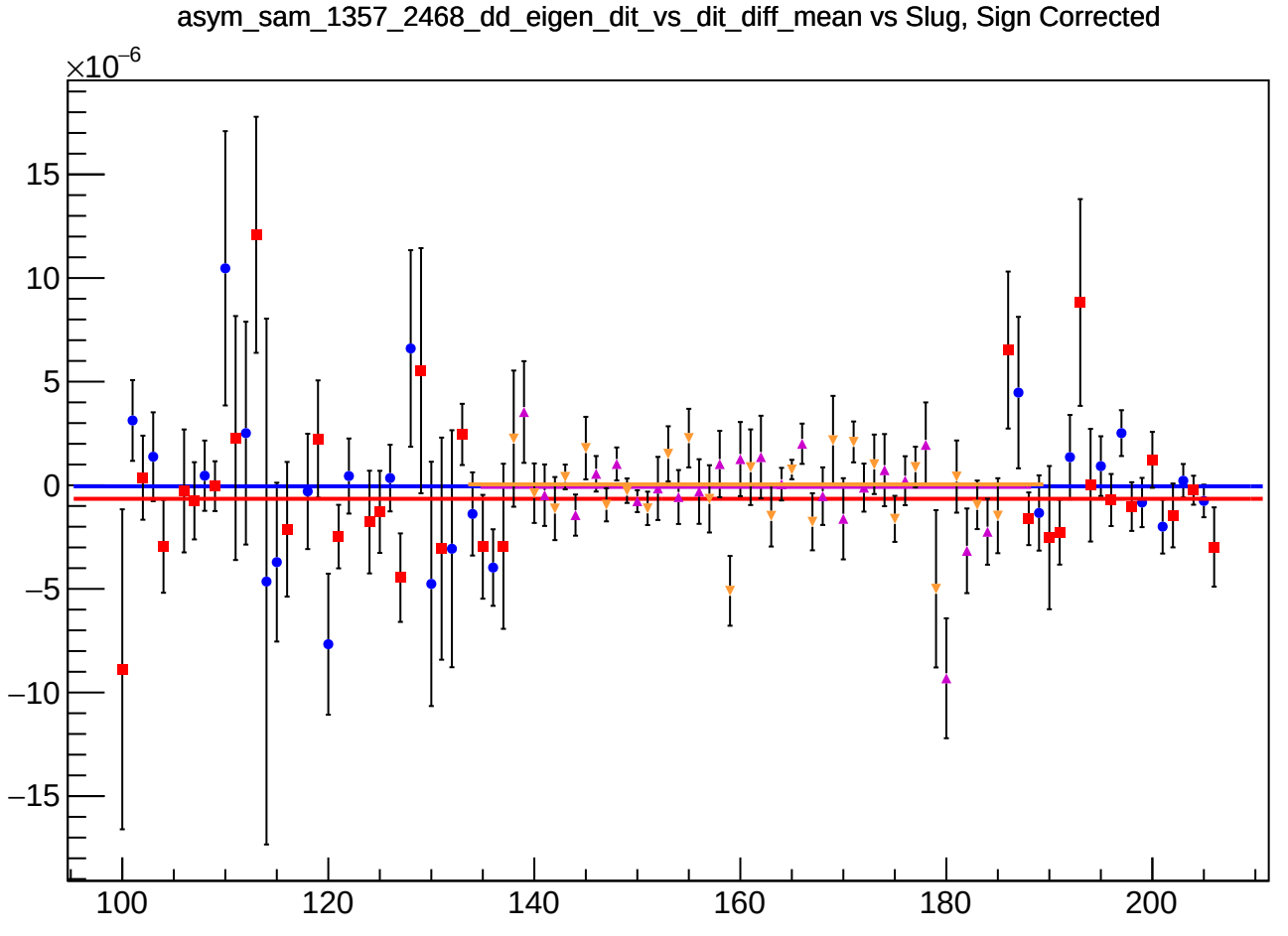
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.457+/-0.003 χ^2/NDF: 4378651.2/55

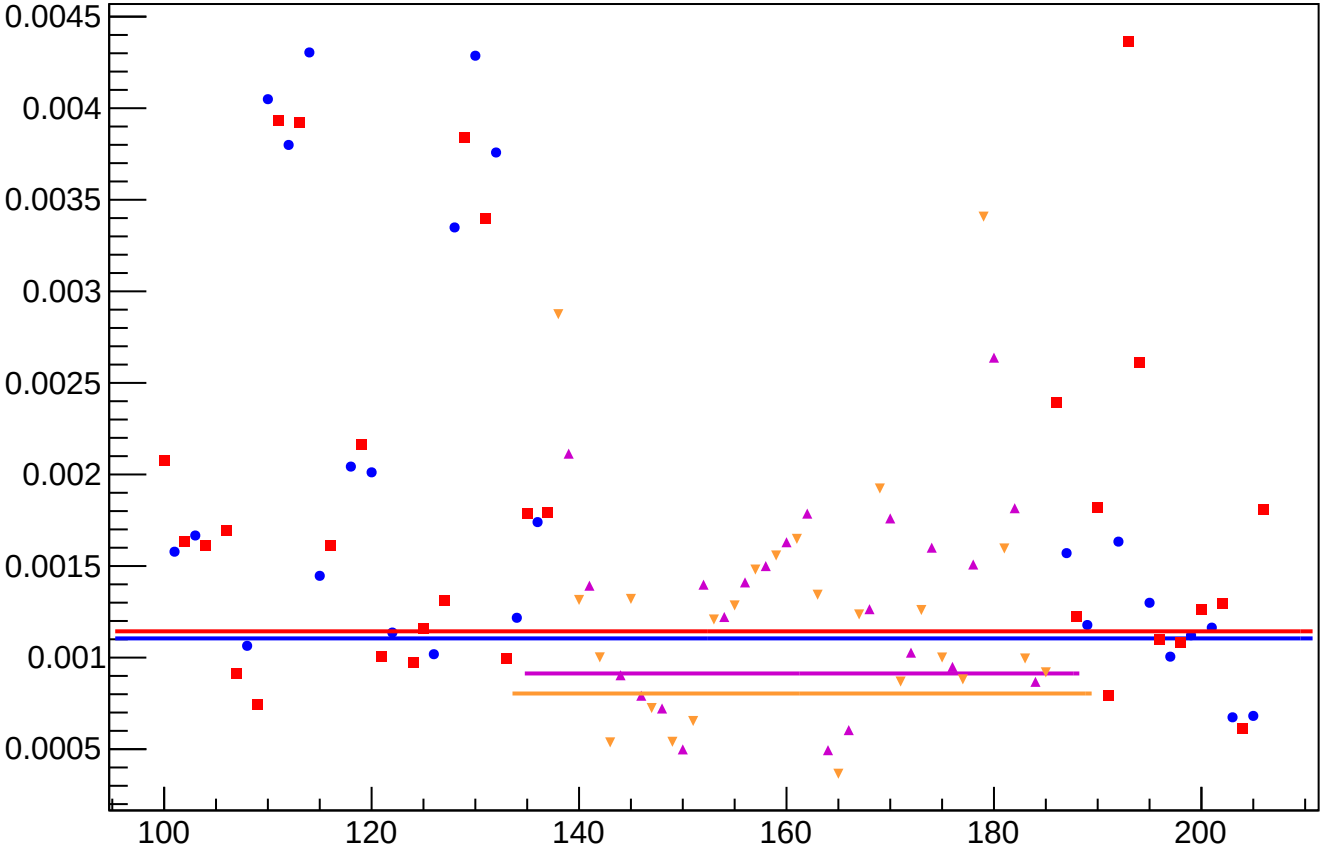
In: 17.921+/-0.002 χ^2/NDF:4508416.2/47

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.876+/-0.002 χ^2/NDF: 9706516.4/103


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.9/24
Left Out: 0.000+/-0.000 χ²/NDF:37.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.3/30
Left In: -0.000+/-0.000 χ²/NDF:31.0/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/47
Right: -0.000+/-0.000 χ²/NDF: 67.9/55
In: -0.000+/-0.000 χ²/NDF:62.9/47
Out: -0.000+/-0.000 χ²/NDF:74.8/55
All: -0.000+/-0.000 χ²/NDF: 137.8/103

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4751518.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6044334.8/30

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

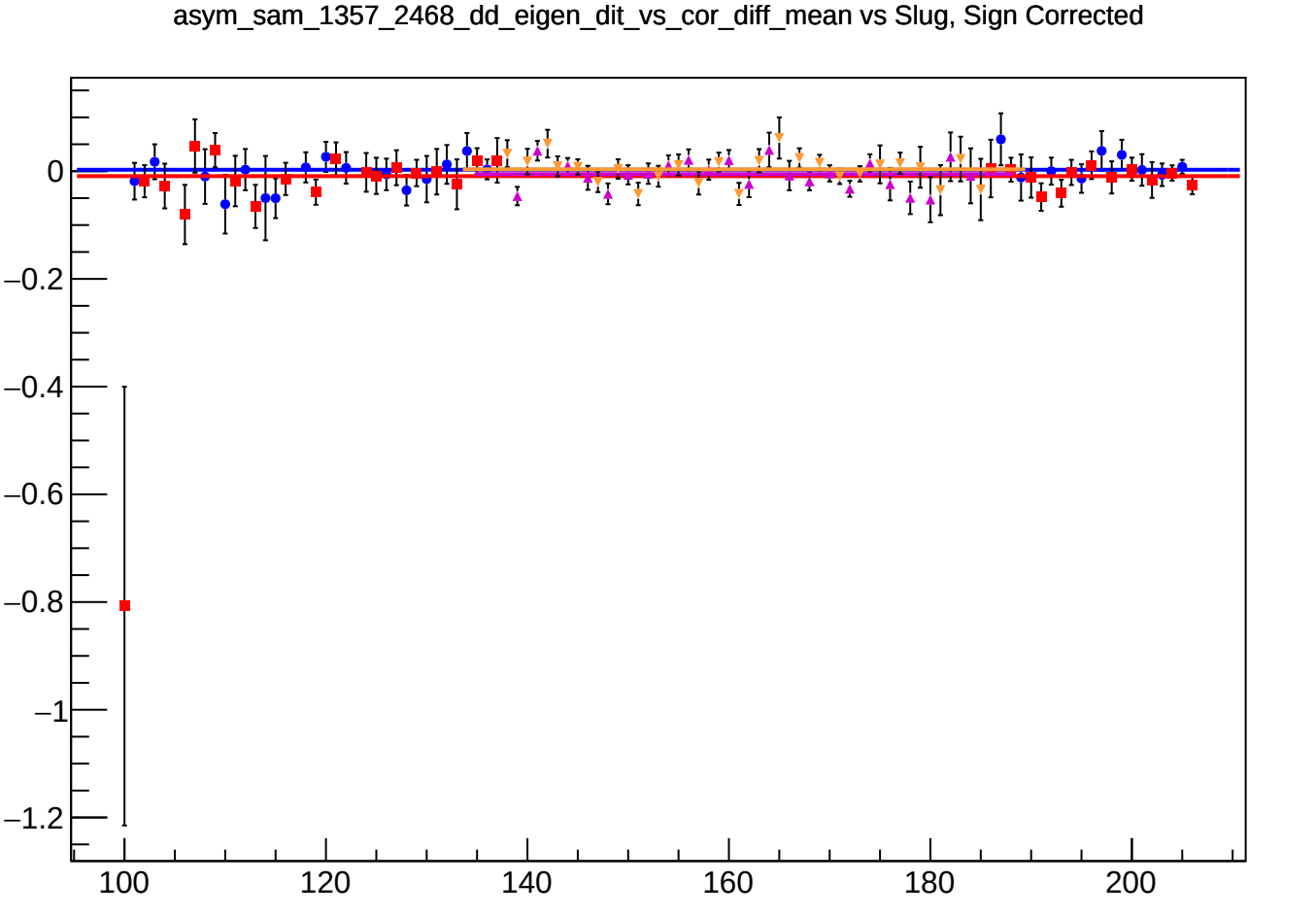
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 10809671.6/55

In: 0.001+/-0.000 χ^2/NDF:11623759.1/47

Out: 0.001+/-0.000 χ^2/NDF:15870148.4/55

All: 0.001+/-0.000 χ^2/NDF: 27655070.9/103



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

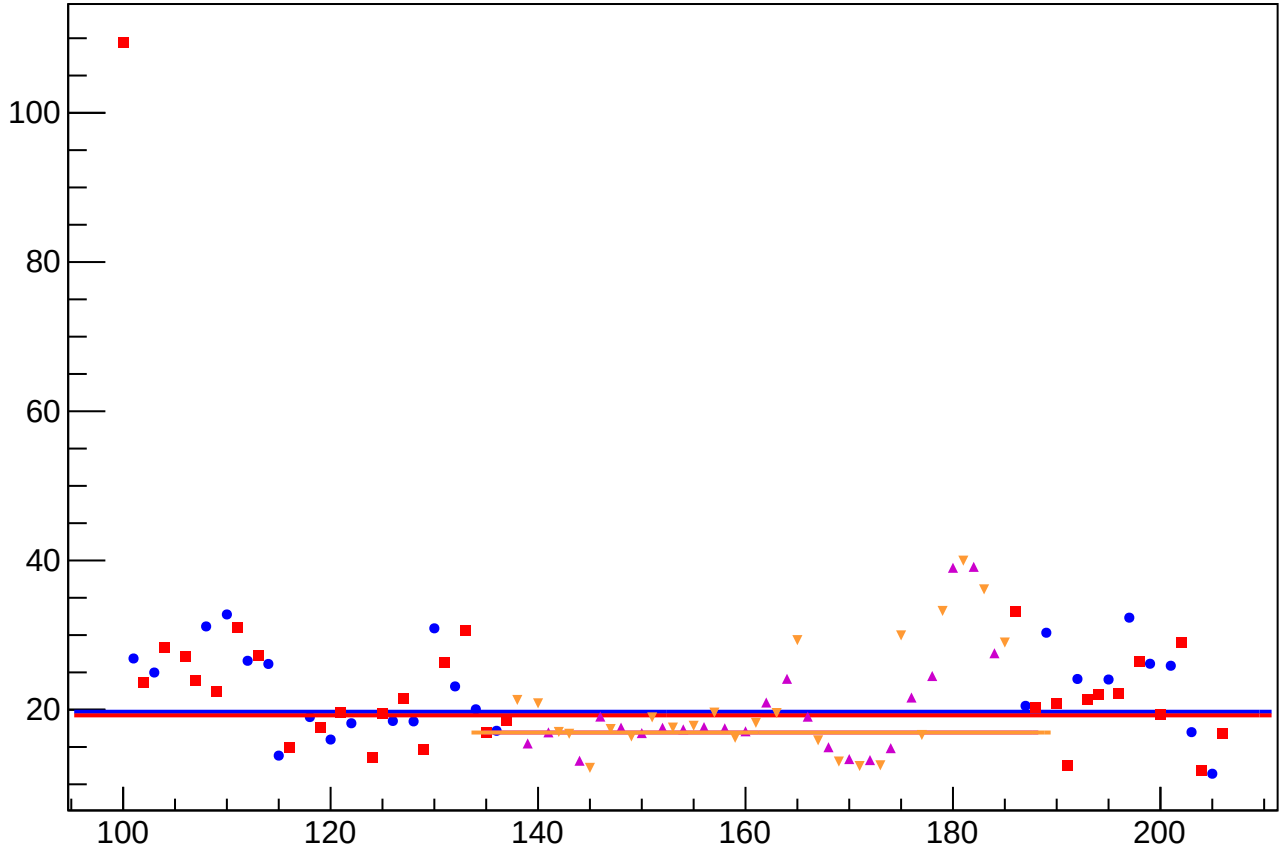
Right: -0.004+/-0.004 χ^2/NDF: 38.0/55

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.002+/-0.002 χ^2/NDF: 100.8/103

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

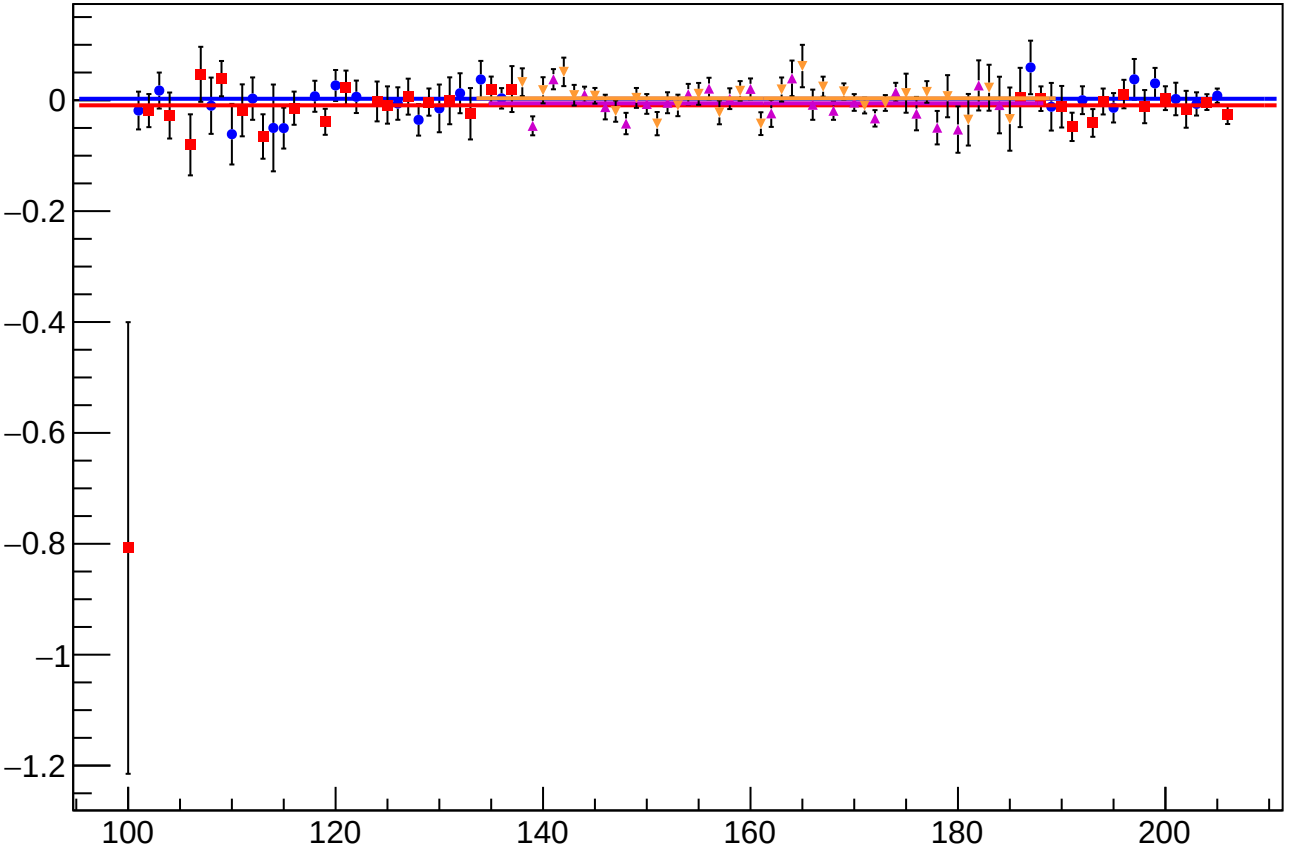
Right: 19.456+/-0.003 χ^2/NDF: 4378707.3/55

In: 17.921+/-0.002 χ^2/NDF:4508308.7/47

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.876+/-0.002 χ^2/NDF: 9706358.5/103

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

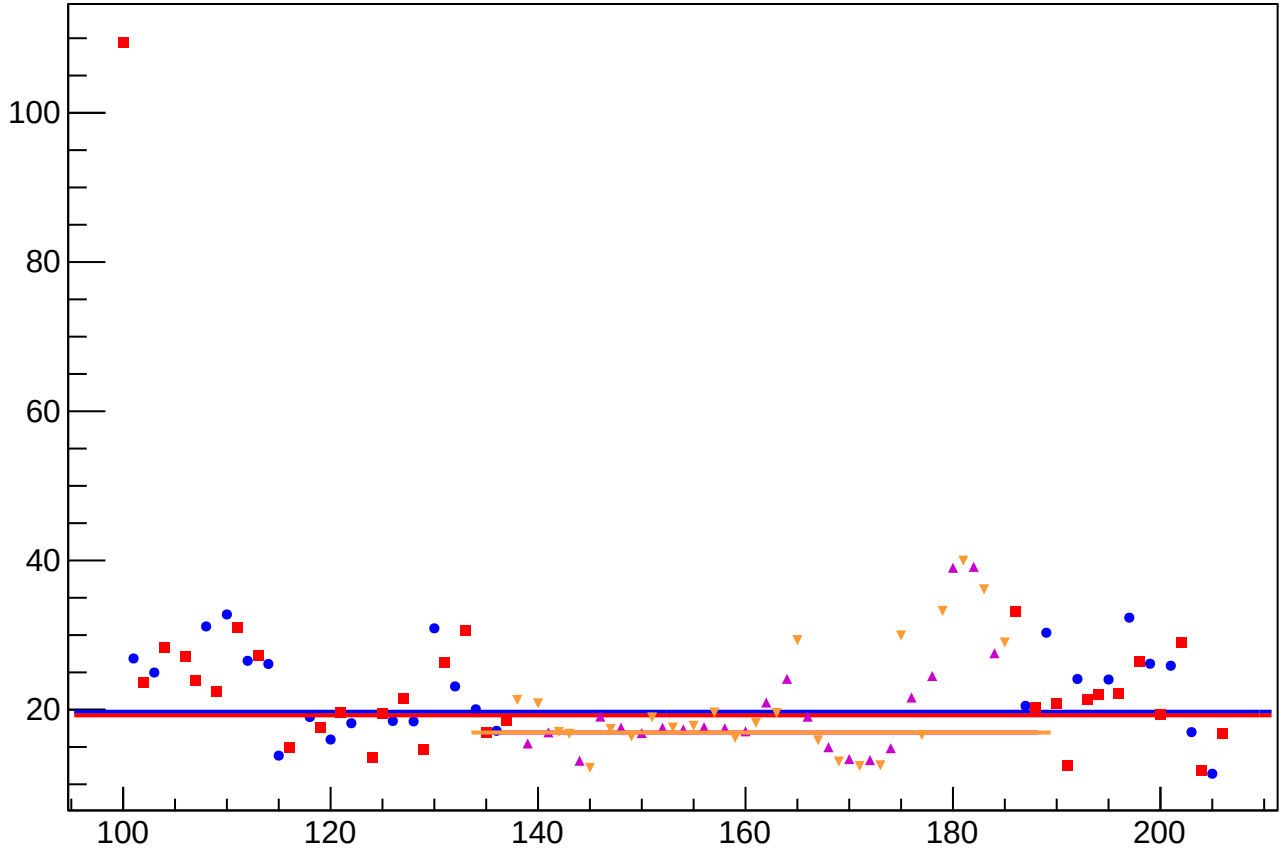
Right: -0.004+/-0.004 χ^2/NDF: 38.0/55

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.002+/-0.002 χ^2/NDF: 100.8/103

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

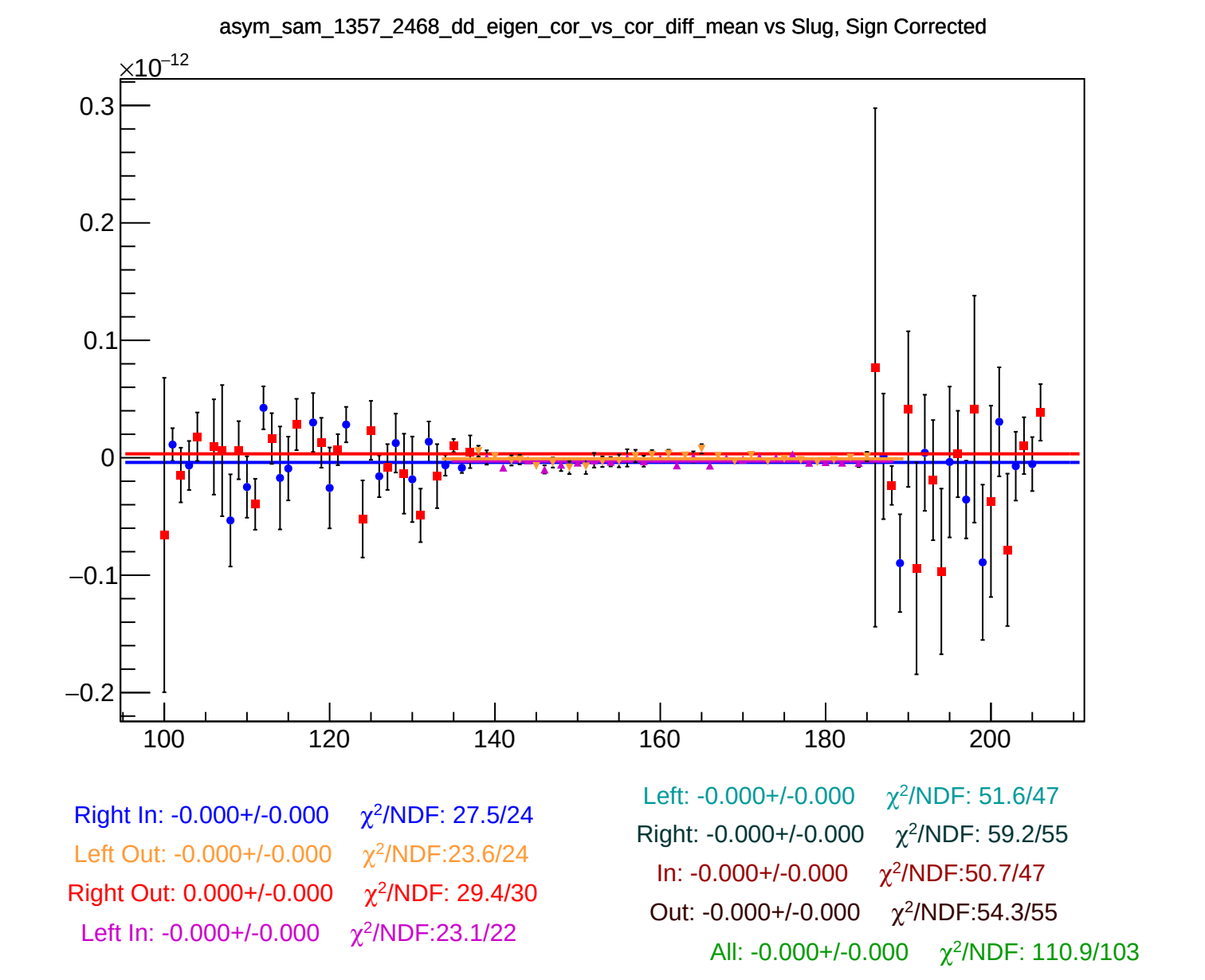
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.456+/-0.003 χ^2/NDF: 4378707.3/55

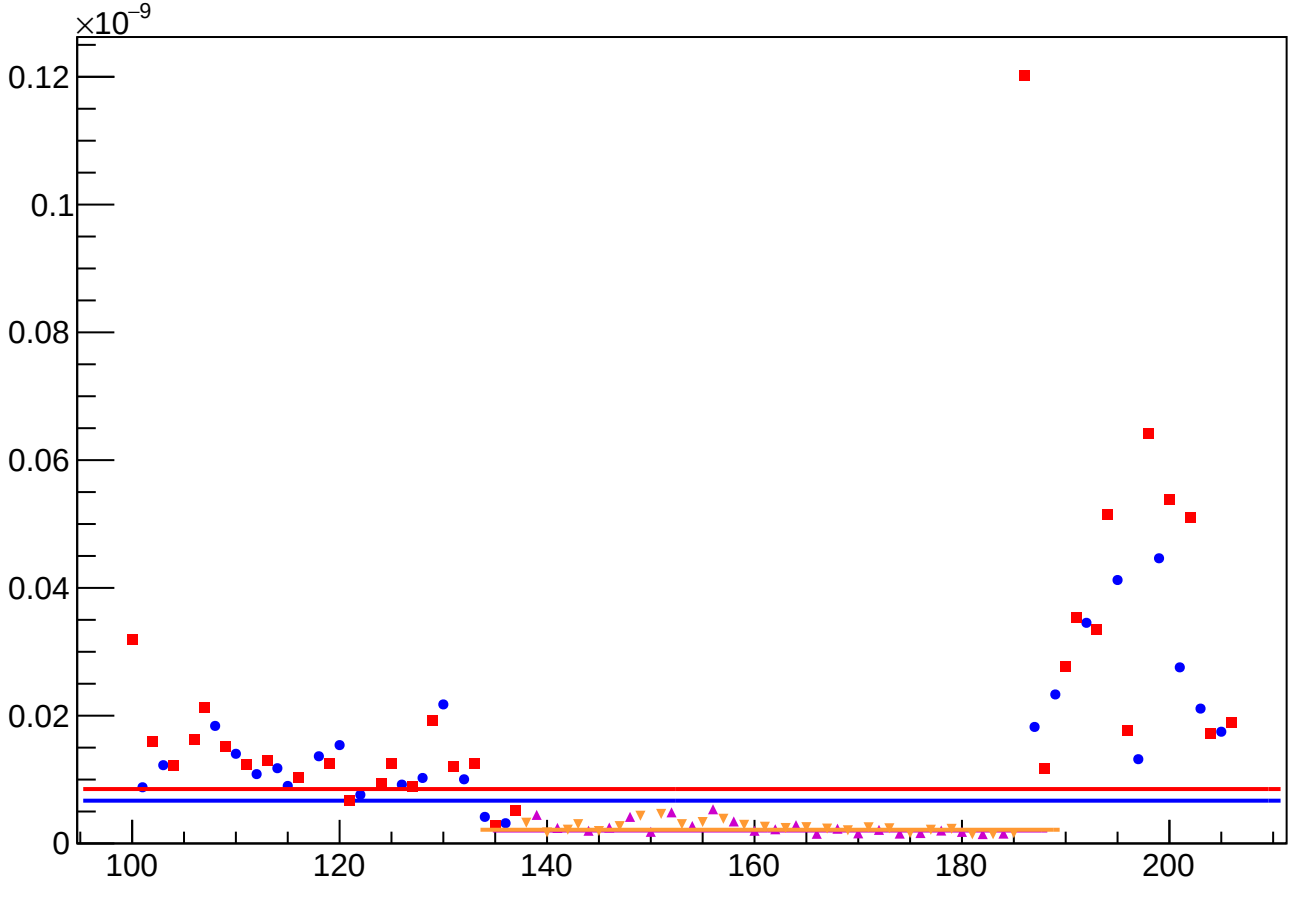
In: 17.921+/-0.002 χ^2/NDF:4508308.7/47

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.876+/-0.002 χ^2/NDF: 9706358.5/103


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.4/30
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: -0.000+/-0.000 χ²/NDF: 59.2/55
In: -0.000+/-0.000 χ²/NDF:50.7/47
Out: -0.000+/-0.000 χ²/NDF:54.3/55
All: -0.000+/-0.000 χ²/NDF: 110.9/103

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6586253.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8466020.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

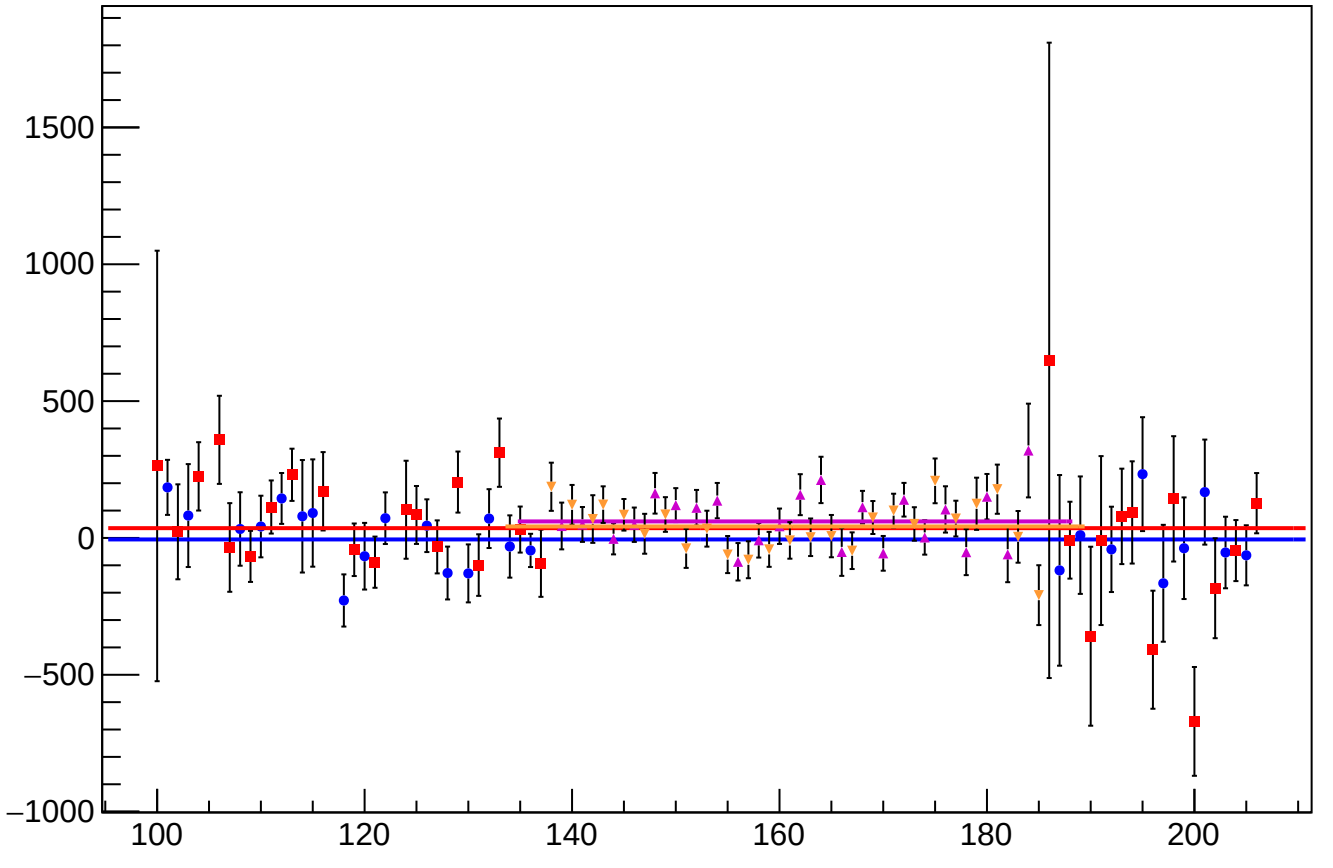
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15339512.9/55

In: 0.000+/-0.000 χ^2/NDF:13184775.0/47

Out: 0.000+/-0.000 χ^2/NDF:16650375.7/55

All: 0.000+/-0.000 χ^2/NDF: 29881131.8/103



Right In: -5.462+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.763+/-23.386 χ^2/NDF: 48.3/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

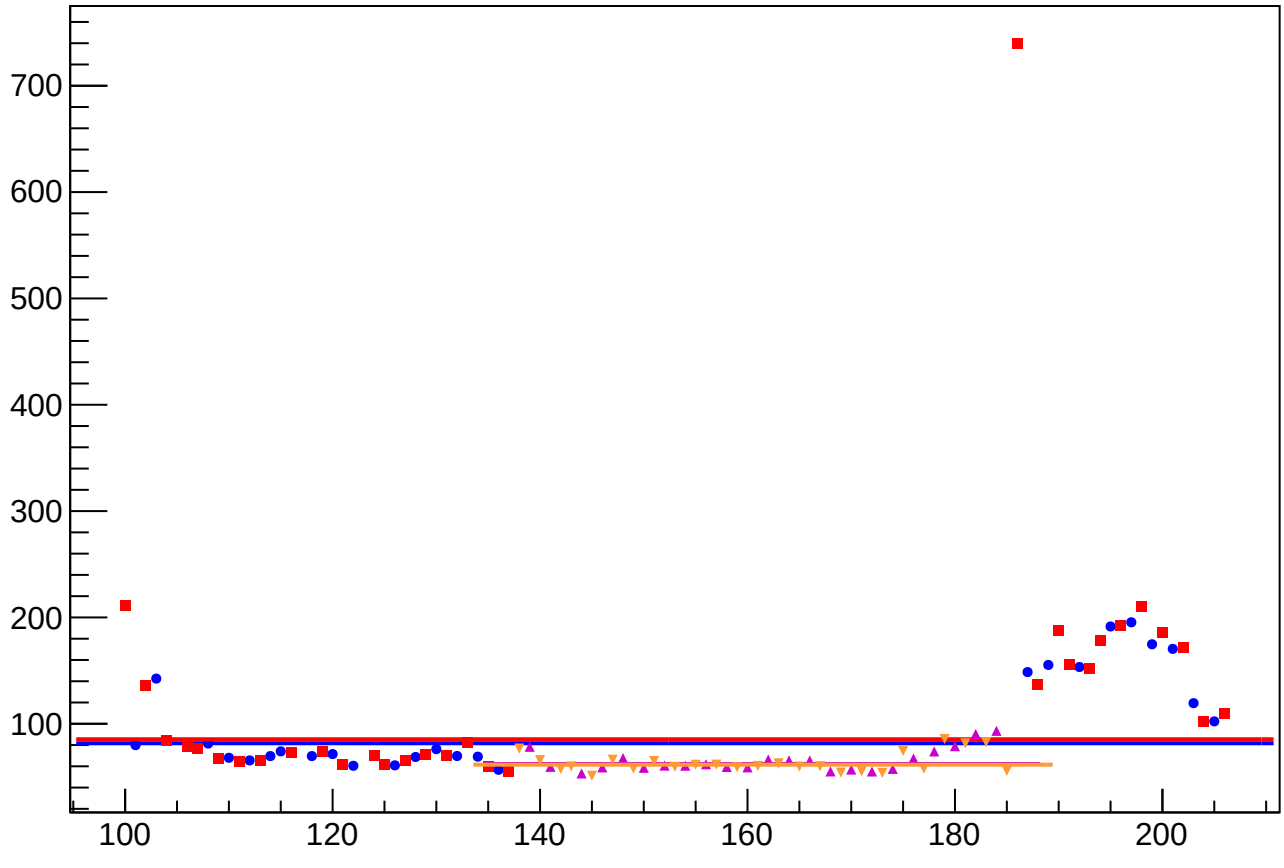
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 15.490+/-16.672 χ^2/NDF: 70.8/55

In: 42.143+/-12.512 χ^2/NDF:58.7/47

Out: 40.332+/-12.126 χ^2/NDF:80.4/55

All: 41.209+/-8.707 χ^2/NDF: 139.1/103



Right In: 81.663+/-0.017 χ^2/NDF: 4001248.8/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 85.452+/-0.017 χ^2/NDF: 5402636.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

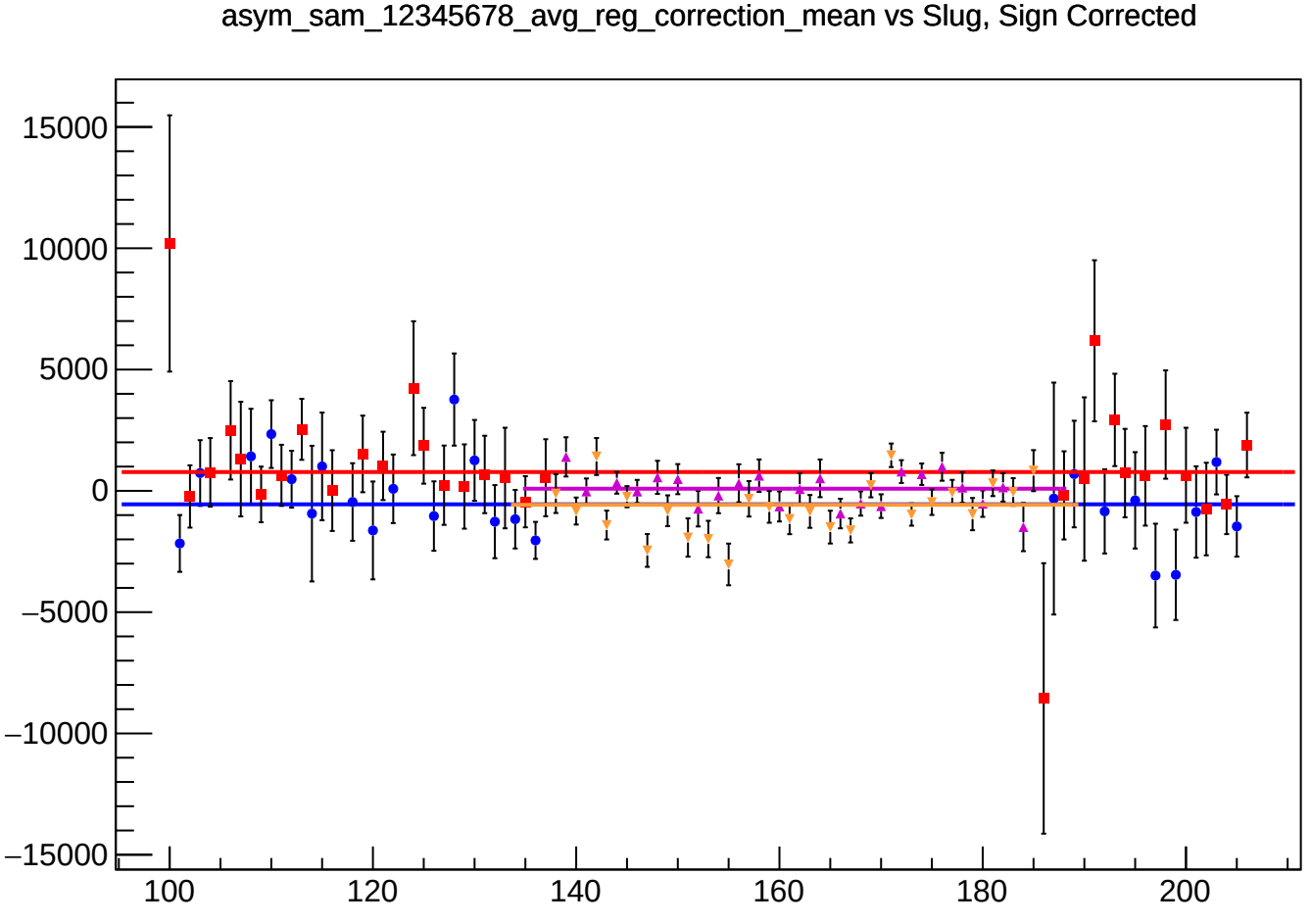
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 83.588+/-0.012 χ^2/NDF: 9429701.1/55

In: 67.550+/-0.009 χ^2/NDF:5572660.2/47

Out: 67.972+/-0.009 χ^2/NDF:7568691.2/55

All: 67.767+/-0.006 χ^2/NDF: 13142522.9/103



Right In: -554.746+/-300.844 χ^2/NDF: 27.6/24

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 776.389+/-297.273 χ^2/NDF: 21.6/30

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

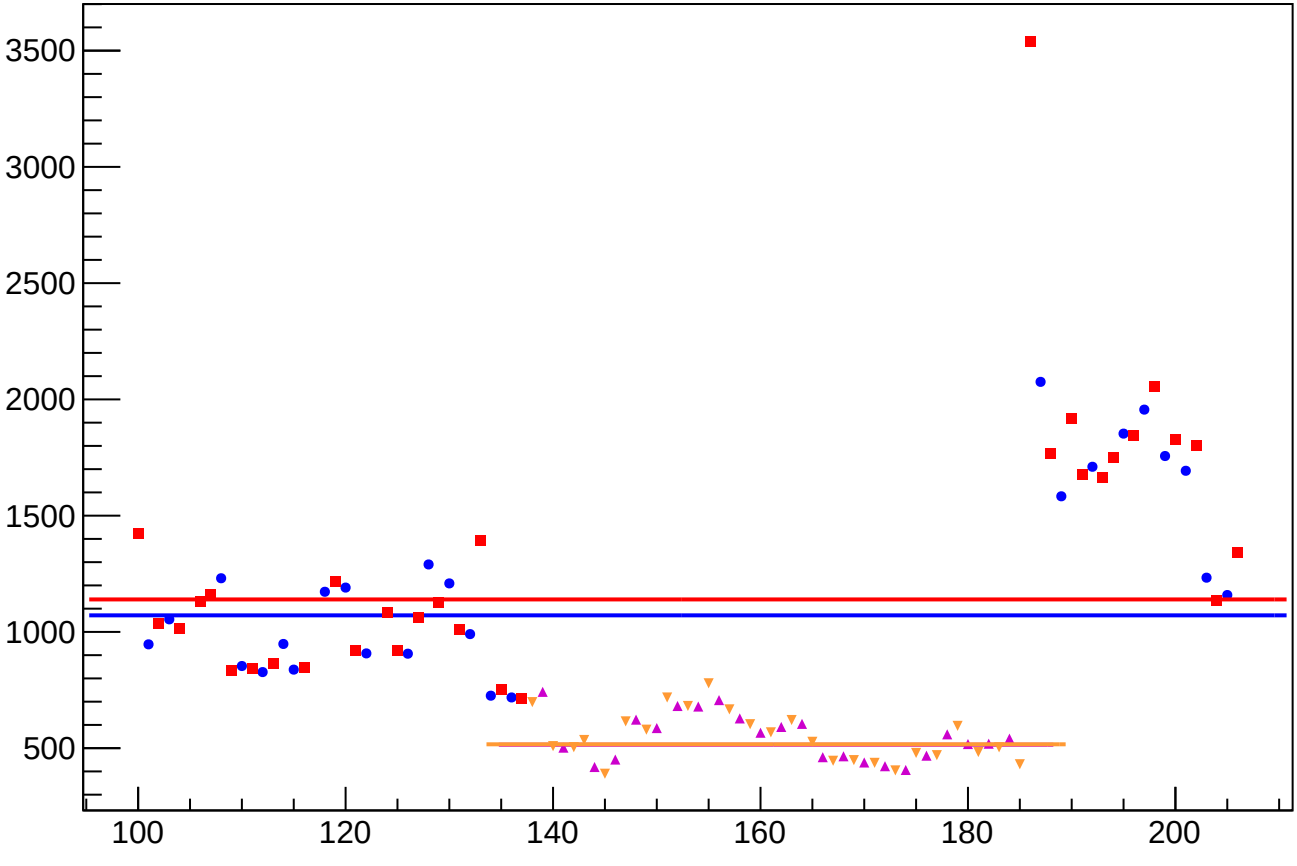
Right: 118.768+/-211.455 χ^2/NDF: 59.2/55

In: -3.116+/-113.449 χ^2/NDF:56.1/47

Out: -386.206+/-111.065 χ^2/NDF:108.2/55

All: -198.728+/-79.364 χ^2/NDF: 170.2/103

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1071.255+/-0.213 χ^2/NDF: 2552608.7/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1139.713+/-0.210 χ^2/NDF: 3256042.4/30

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

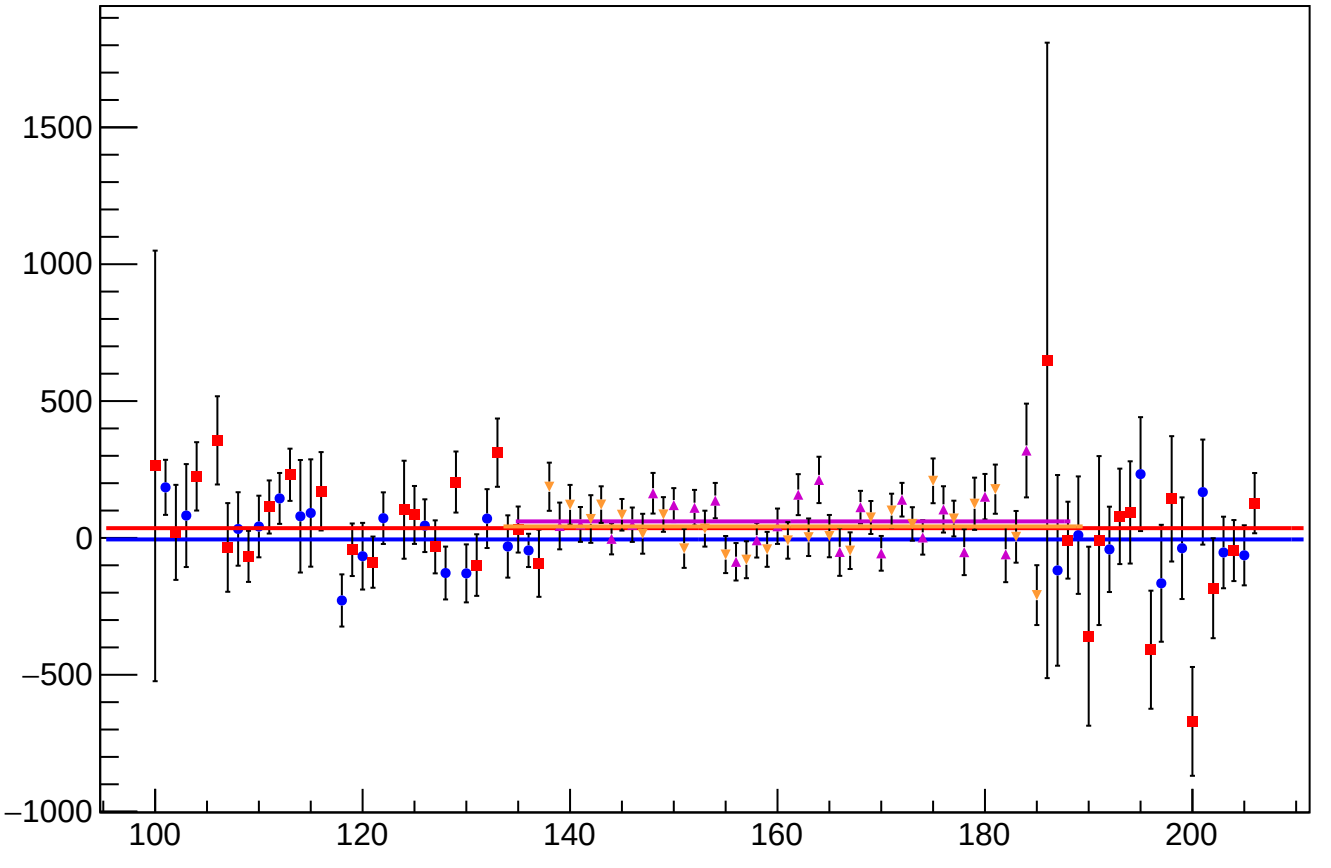
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1105.893+/-0.150 χ^2/NDF: 5861049.8/55

In: 593.915+/-0.080 χ^2/NDF:9542807.5/47

Out: 603.609+/-0.079 χ^2/NDF:12080999.1/55

All: 598.865+/-0.056 χ^2/NDF: 21631263.2/10



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.667+/-23.387 χ^2/NDF: 48.2/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

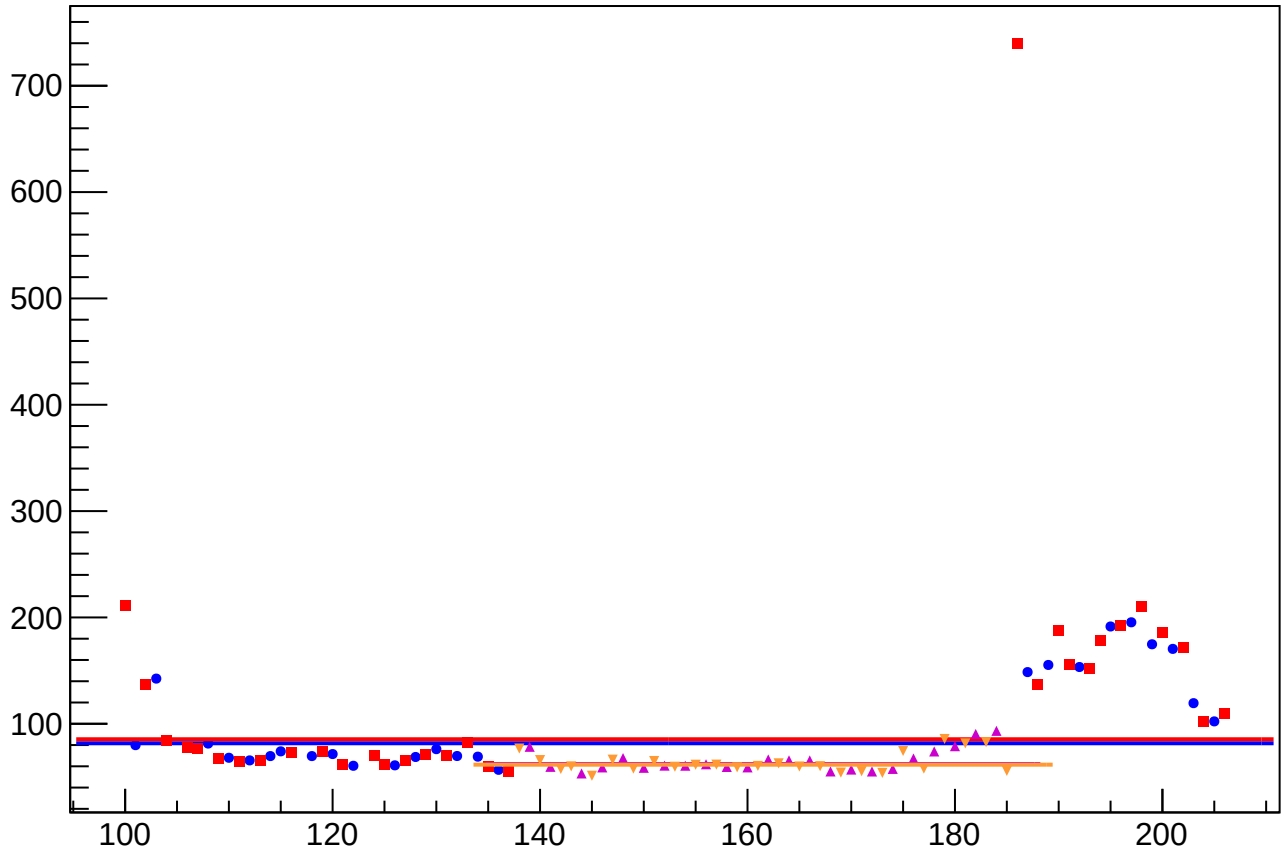
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 15.437+/-16.673 χ^2/NDF: 70.7/55

In: 42.141+/-12.512 χ^2/NDF:58.7/47

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 41.197+/-8.707 χ^2/NDF: 139.0/103



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

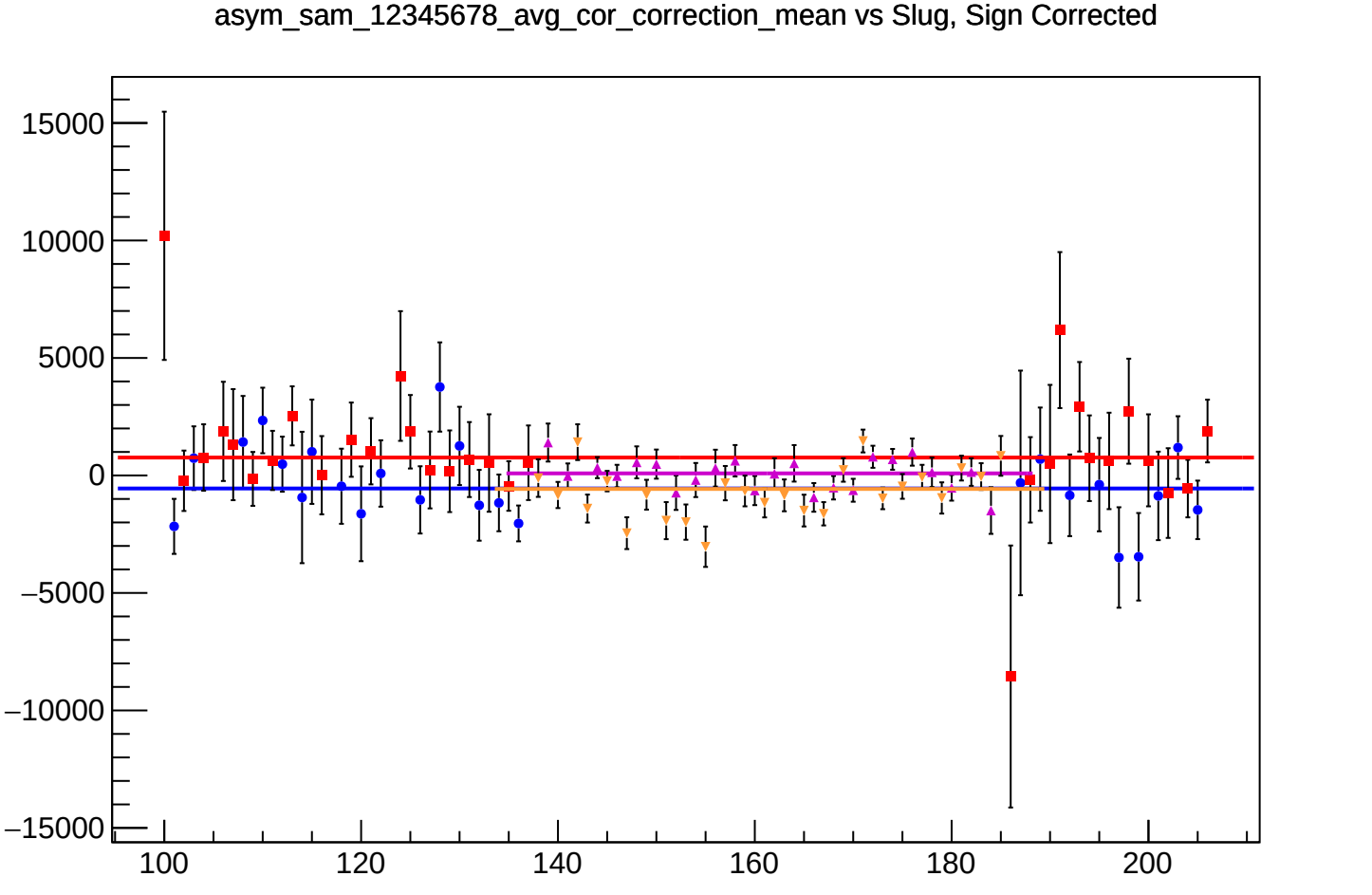
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 83.581+/-0.012 χ^2/NDF: 9430590.2/55

In: 67.550+/-0.009 χ^2/NDF:5572663.3/47

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 67.765+/-0.006 χ^2/NDF: 13141706.3/103



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

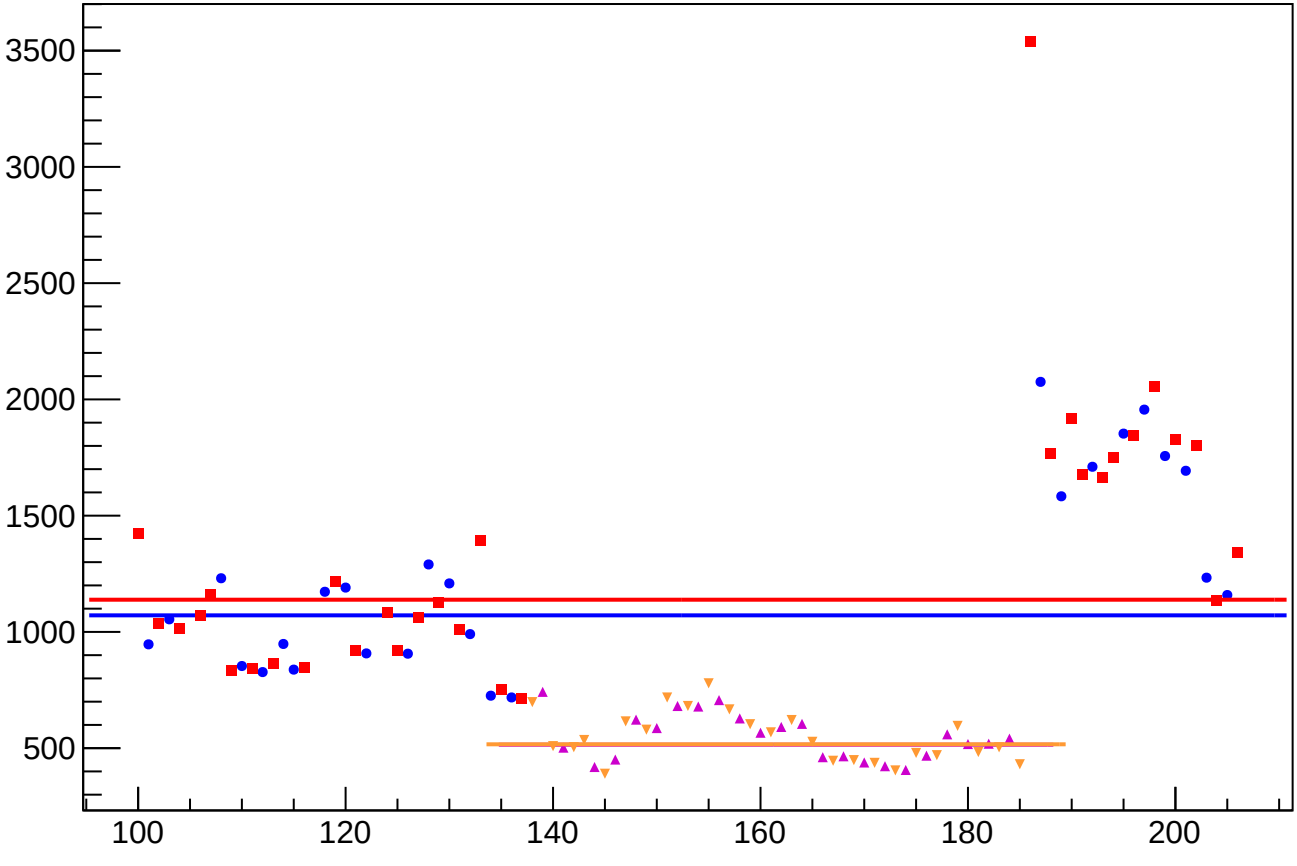
Right: 110.708+/-211.549 χ^2/NDF: 58.5/55

In: -3.113+/-113.449 χ^2/NDF:56.1/47

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -199.899+/-79.369 χ^2/NDF: 169.4/103

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

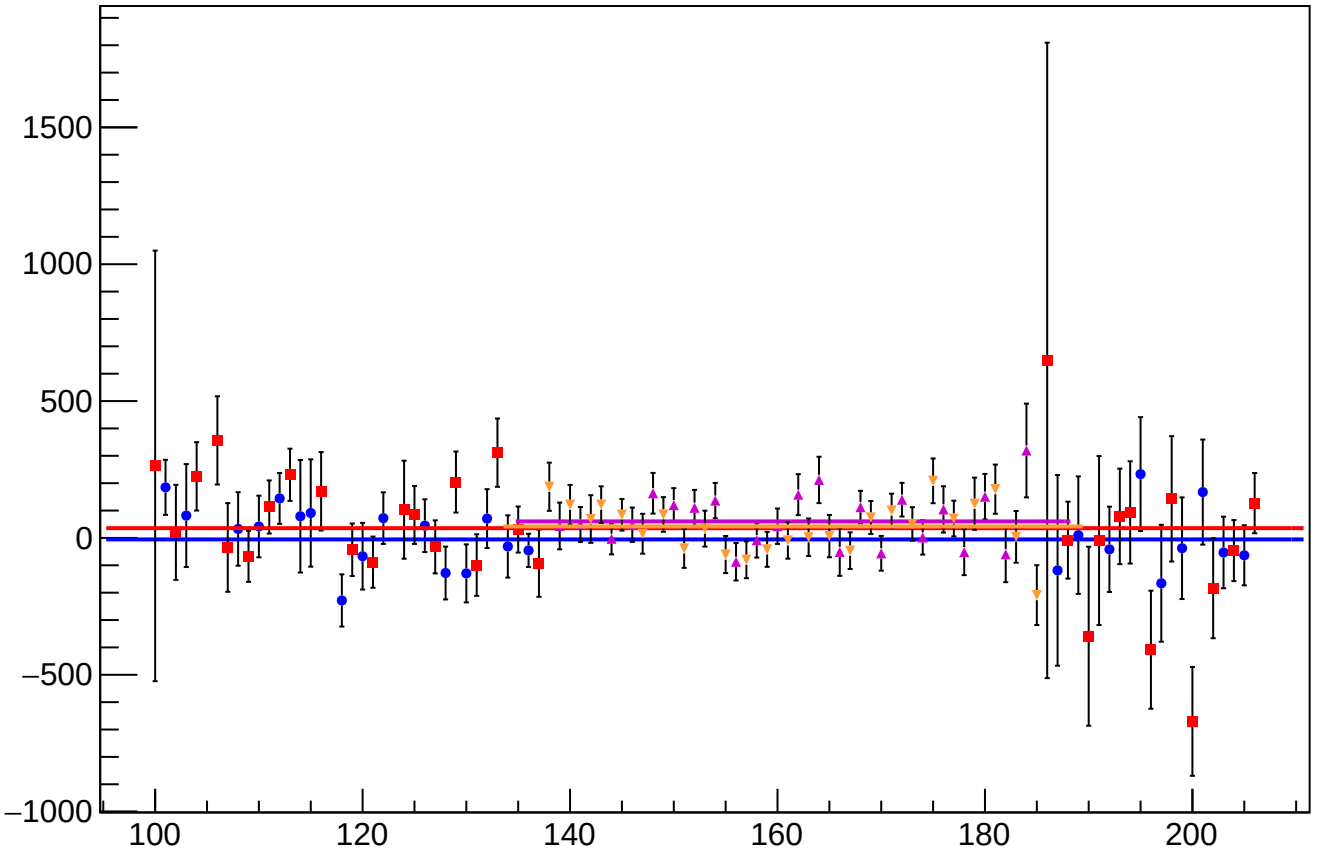
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1105.267+/-0.150 χ^2/NDF: 5861151.3/55

In: 593.915+/-0.080 χ^2/NDF:9542850.1/47

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 598.714+/-0.056 χ^2/NDF: 21592805.5/10



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.667+/-23.387 χ^2/NDF: 48.2/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

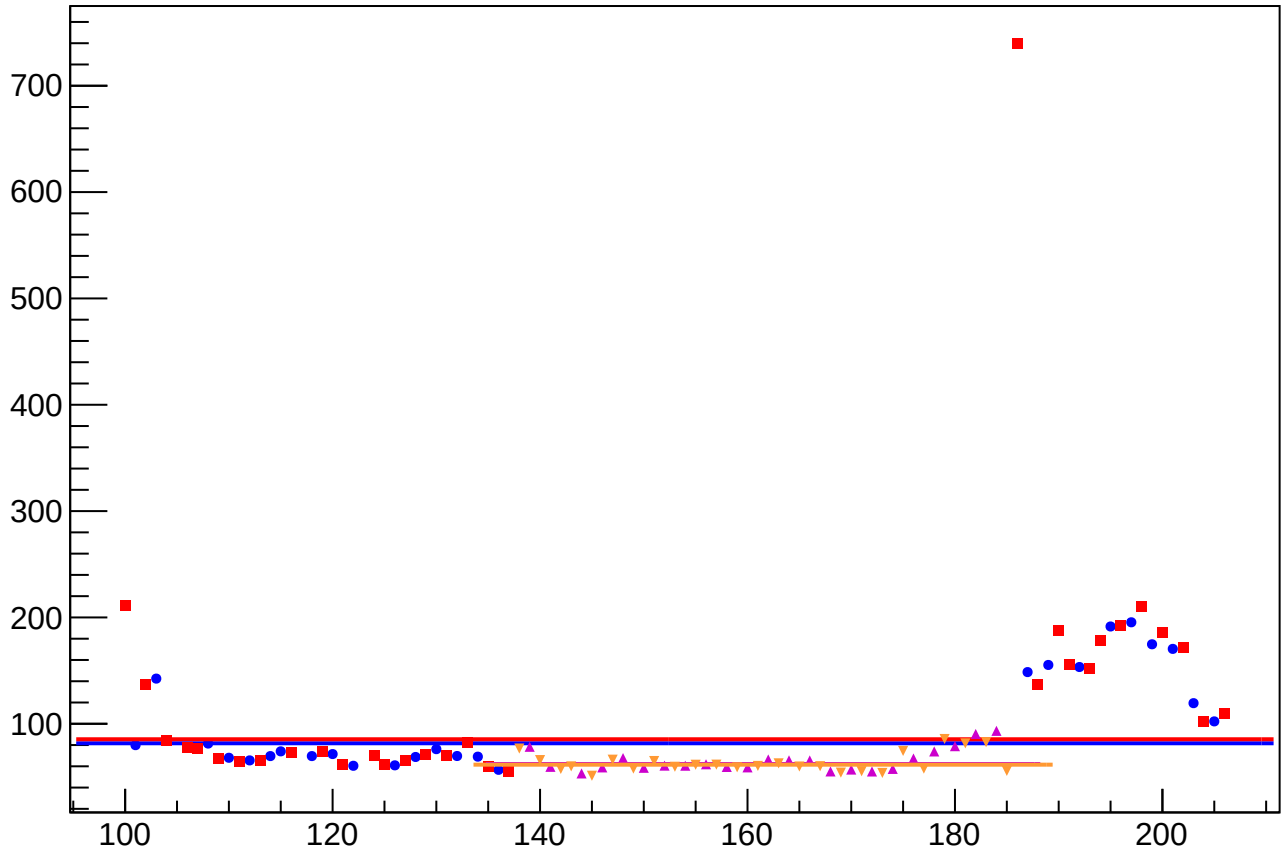
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 15.437+/-16.673 χ^2/NDF: 70.7/55

In: 42.141+/-12.512 χ^2/NDF:58.7/47

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 41.197+/-8.707 χ^2/NDF: 139.0/103



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

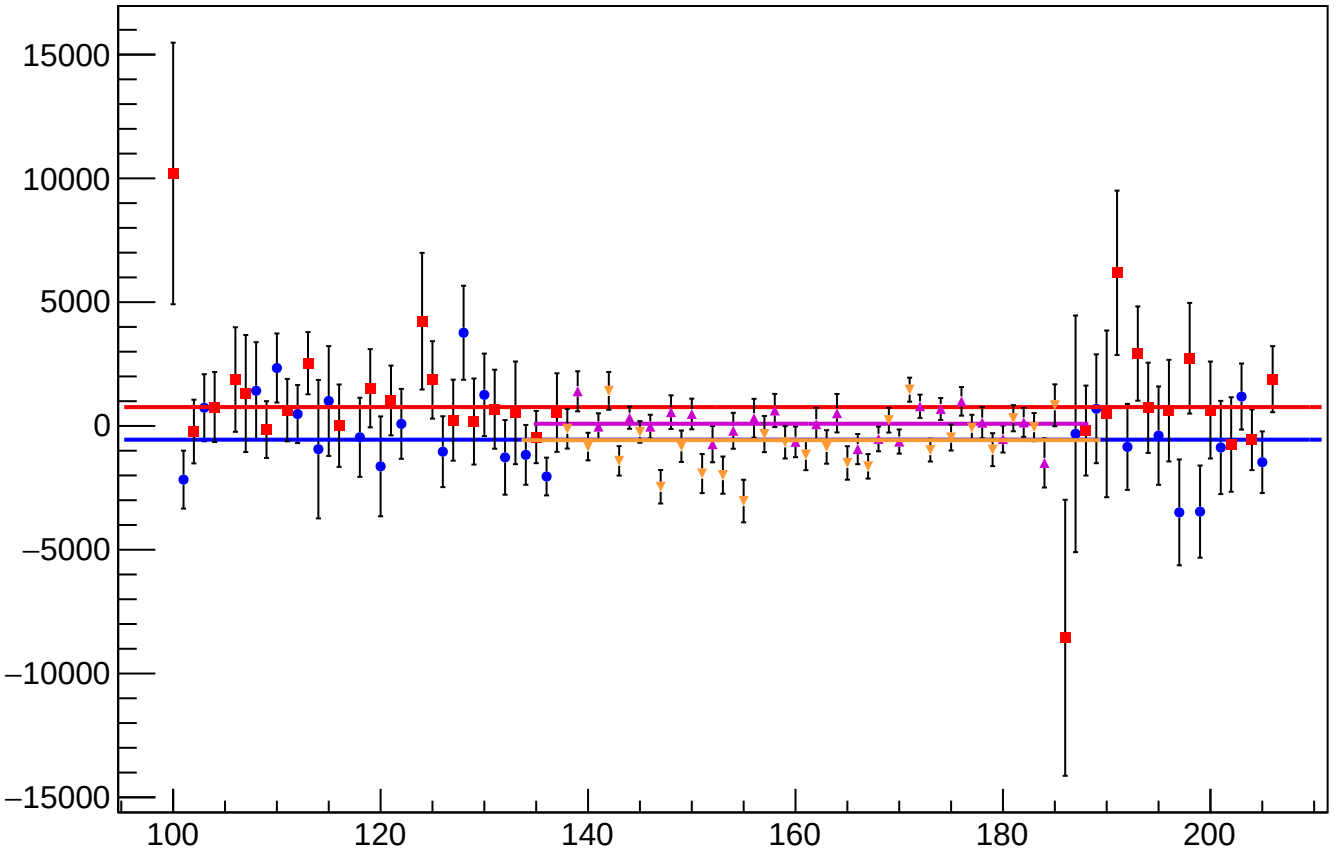
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 83.581+/-0.012 χ^2/NDF: 9430590.2/55

In: 67.550+/-0.009 χ^2/NDF:5572663.3/47

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 67.765+/-0.006 χ^2/NDF: 13141706.3/103



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

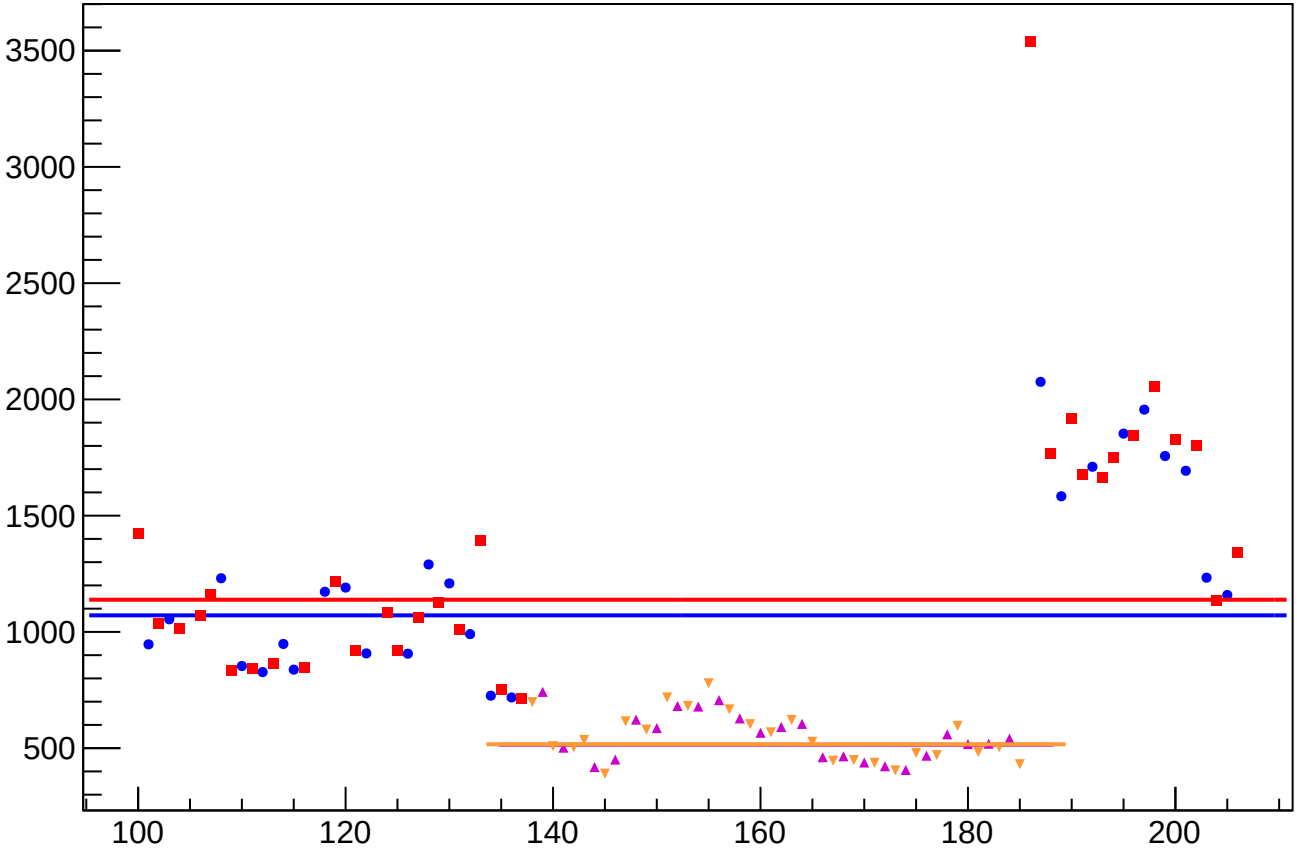
Right: 110.708+/-211.549 χ^2/NDF: 58.5/55

In: -3.113+/-113.449 χ^2/NDF:56.1/47

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -199.899+/-79.369 χ^2/NDF: 169.4/103

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

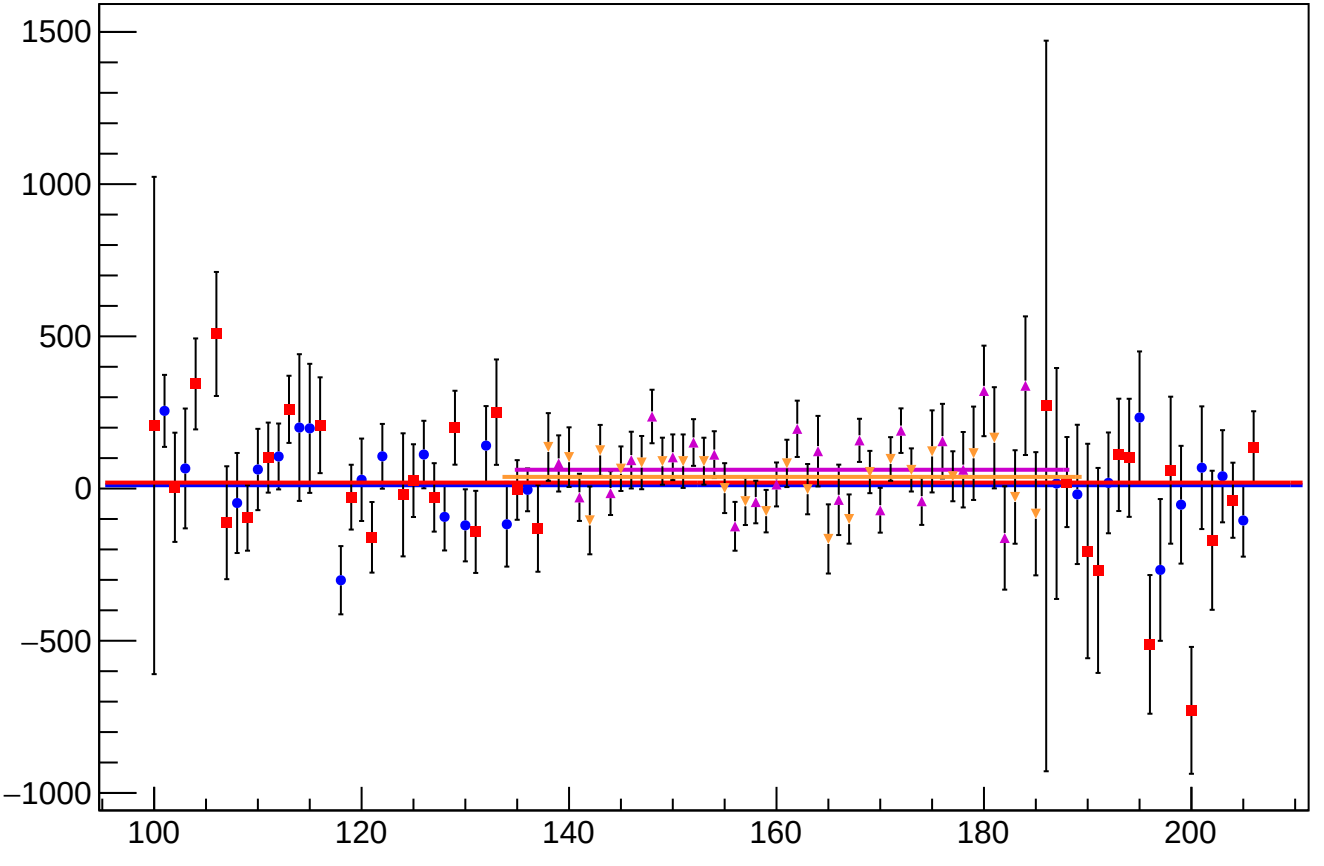
Right: 1105.267+/-0.150 χ^2/NDF: 5861151.3/55

In: 593.915+/-0.080 χ^2/NDF:9542850.1/47

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 598.714+/-0.056 χ^2/NDF: 21592805.5/10

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 19.570+/-26.759 χ^2/NDF: 50.2/30

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

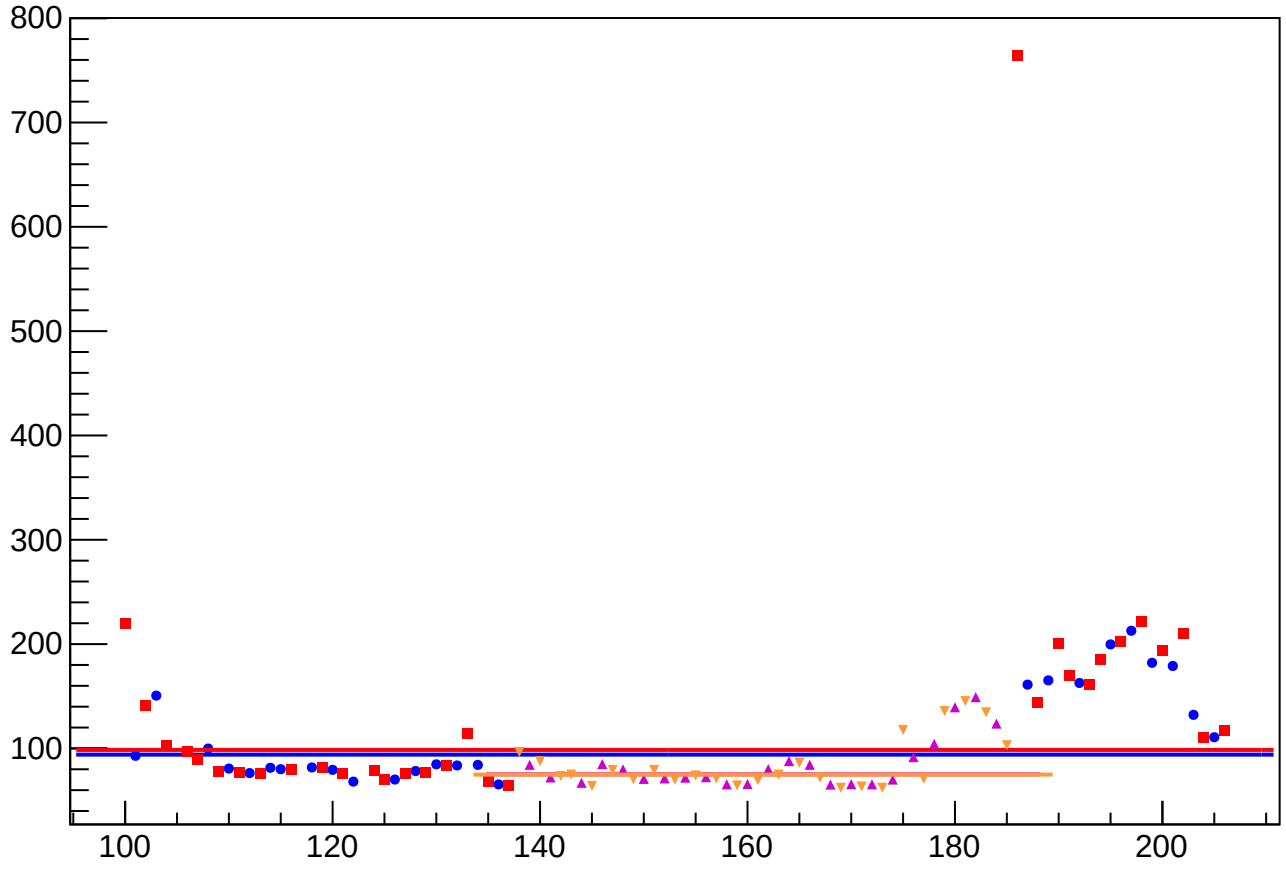
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 15.308+/-19.068 χ^2/NDF: 74.1/55

In: 46.002+/-15.117 χ^2/NDF:63.0/47

Out: 32.600+/-14.745 χ^2/NDF:69.3/55

All: 39.134+/-10.556 χ^2/NDF: 132.7/103



Right In: 94.045+/-0.019 χ^2/NDF: 3449571.9/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762550.3/30

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

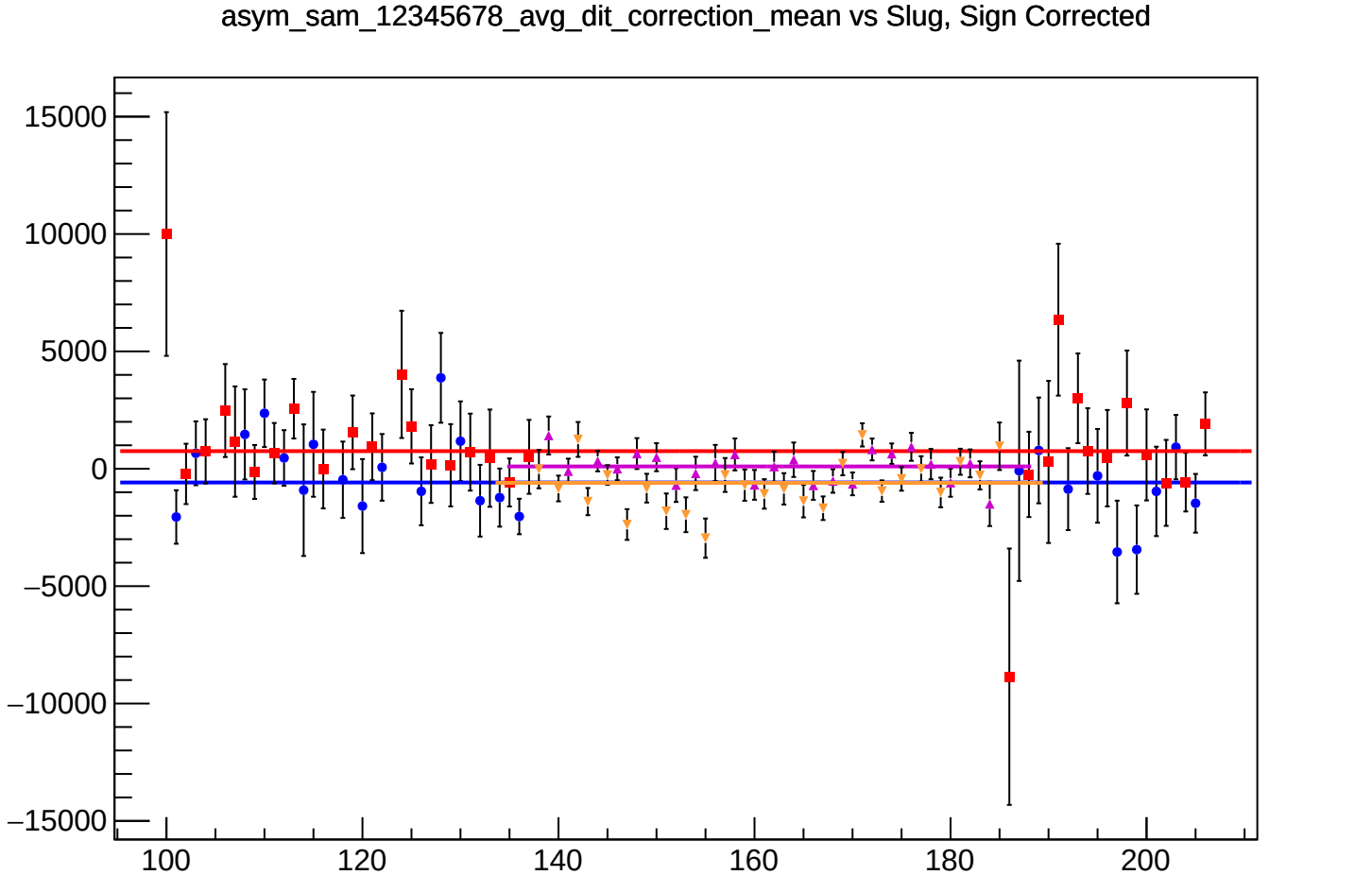
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 96.335+/-0.013 χ^2/NDF: 8240073.7/55

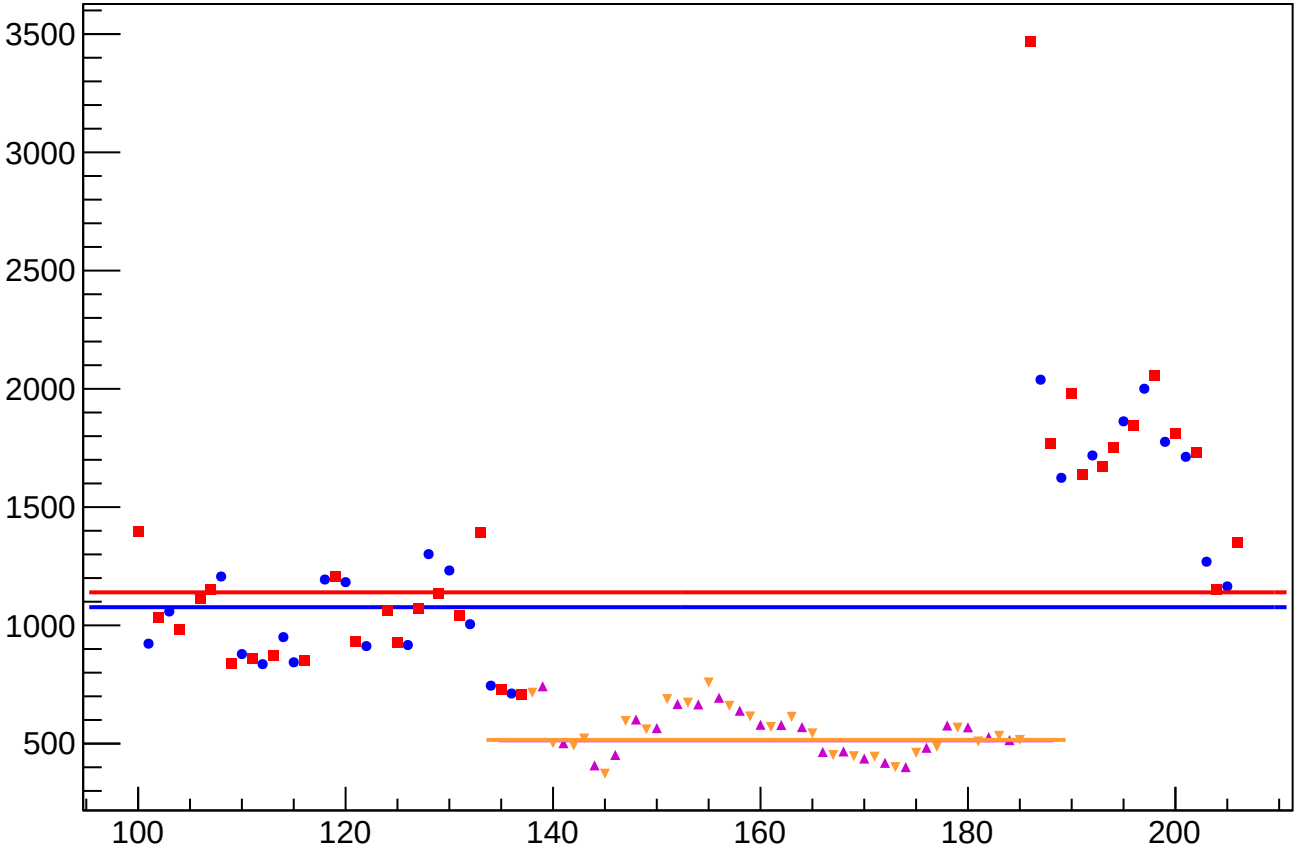
In: 81.000+/-0.011 χ^2/NDF:5429365.8/47

Out: 82.084+/-0.010 χ^2/NDF:7512146.5/55

All: 81.556+/-0.007 χ^2/NDF: 12946778.9/103


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -584.123+/-302.631 χ²/NDF: 26.7/24
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 751.522+/-297.076 χ²/NDF: 22.6/30
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 96.072+/-212.001 χ²/NDF: 59.2/55
In: 3.172+/-113.399 χ²/NDF:54.8/47
Out: -411.236+/-110.726 χ²/NDF:105.4/55
All: -208.975+/-79.223 χ²/NDF: 167.1/103

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1076.911+/-0.214 χ^2/NDF: 2605959.5/24

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1139.632+/-0.210 χ^2/NDF: 3243816.1/30

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

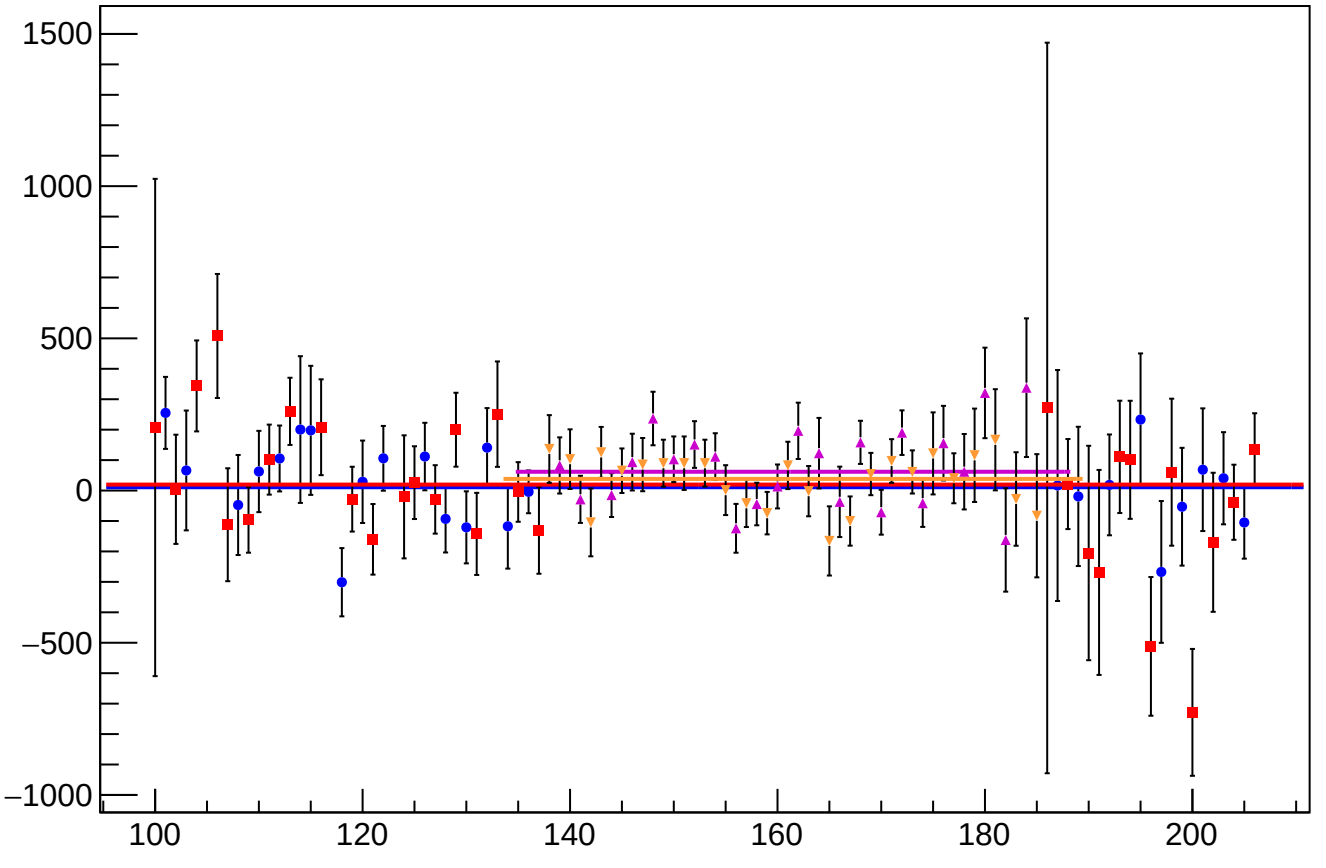
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1108.853+/-0.150 χ^2/NDF: 5893524.9/55

In: 593.113+/-0.080 χ^2/NDF:9669044.7/47

Out: 602.430+/-0.078 χ^2/NDF:12071320.5/55

All: 597.882+/-0.056 χ^2/NDF: 21747276.4/10



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 19.568+/-26.759 χ^2/NDF: 50.2/30

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

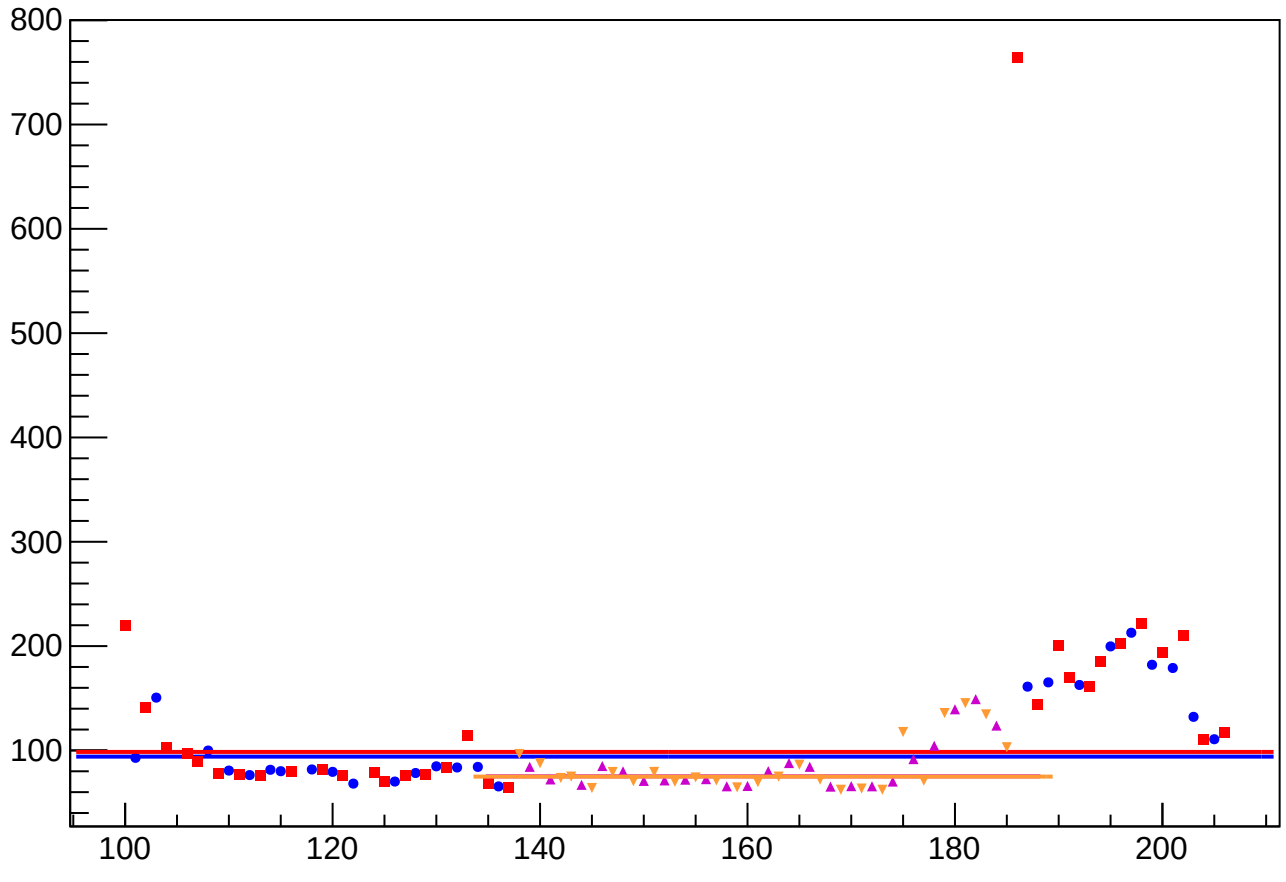
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 15.307+/-19.068 χ^2/NDF: 74.1/55

In: 46.001+/-15.117 χ^2/NDF:63.0/47

Out: 32.600+/-14.745 χ^2/NDF:69.3/55

All: 39.133+/-10.556 χ^2/NDF: 132.7/103



Right In: 94.045+/-0.019 χ^2/NDF: 3449581.8/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762579.6/30

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

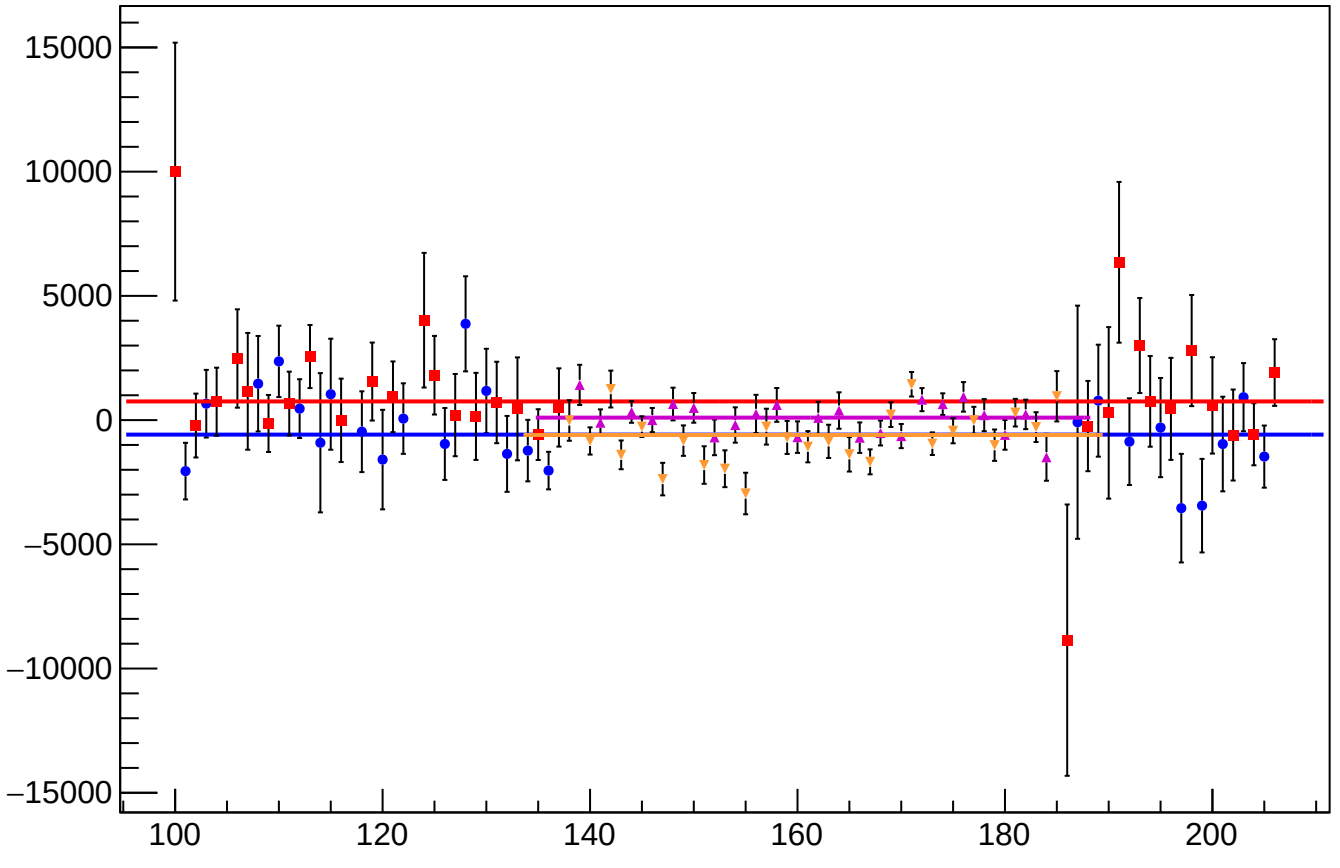
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 96.335+/-0.013 χ^2/NDF: 8240113.9/55

In: 81.001+/-0.011 χ^2/NDF:5429325.3/47

Out: 82.084+/-0.010 χ^2/NDF:7512135.7/55

All: 81.556+/-0.007 χ^2/NDF: 12946727.7/103



Right In: -584.120+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 751.521+/-297.075 χ^2/NDF: 22.6/30

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

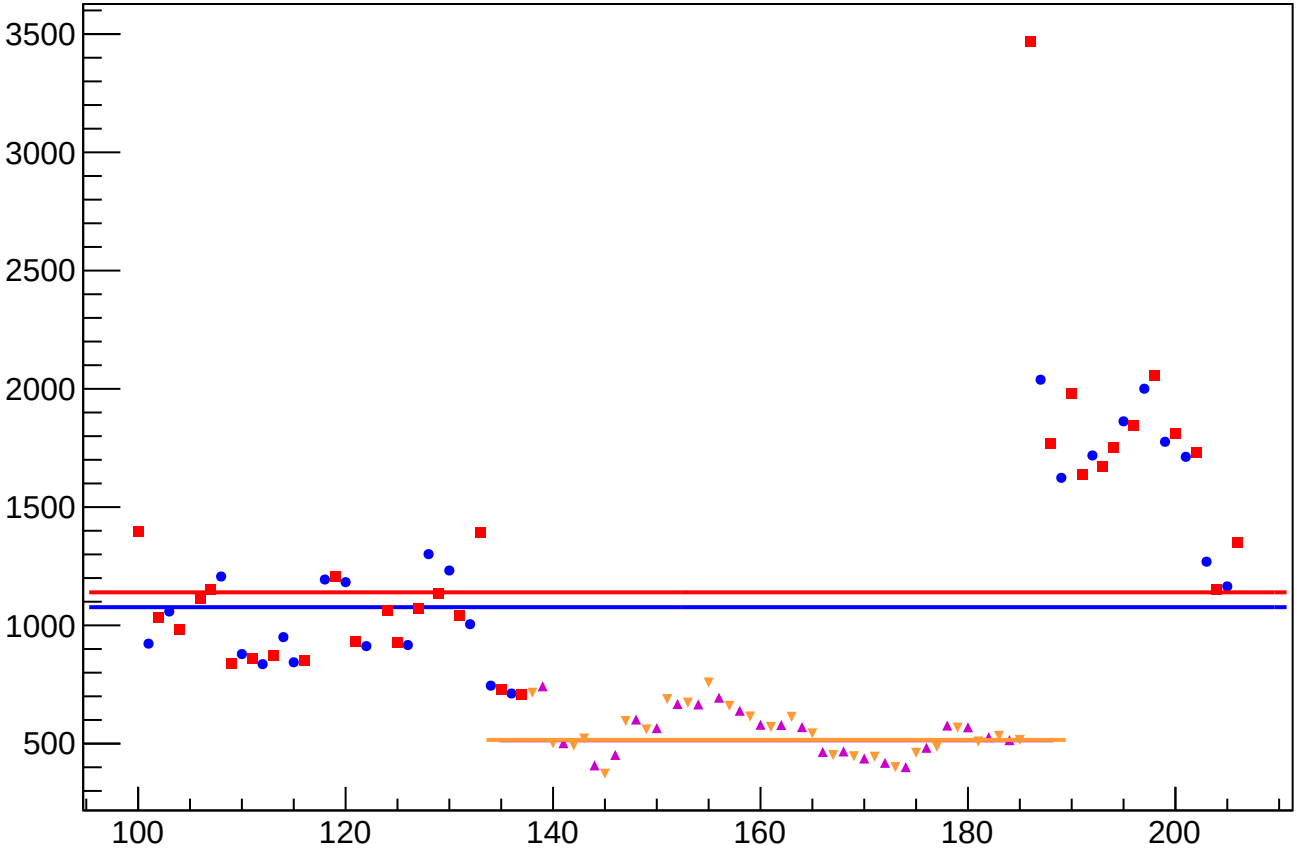
Right: 96.073+/-212.001 χ^2/NDF: 59.2/55

In: 3.172+/-113.399 χ^2/NDF:54.8/47

Out: -411.236+/-110.726 χ^2/NDF:105.4/55

All: -208.974+/-79.223 χ^2/NDF: 167.1/103

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1076.909+/-0.214 χ^2/NDF: 2605965.9/24

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1139.630+/-0.210 χ^2/NDF: 3243826.1/30

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

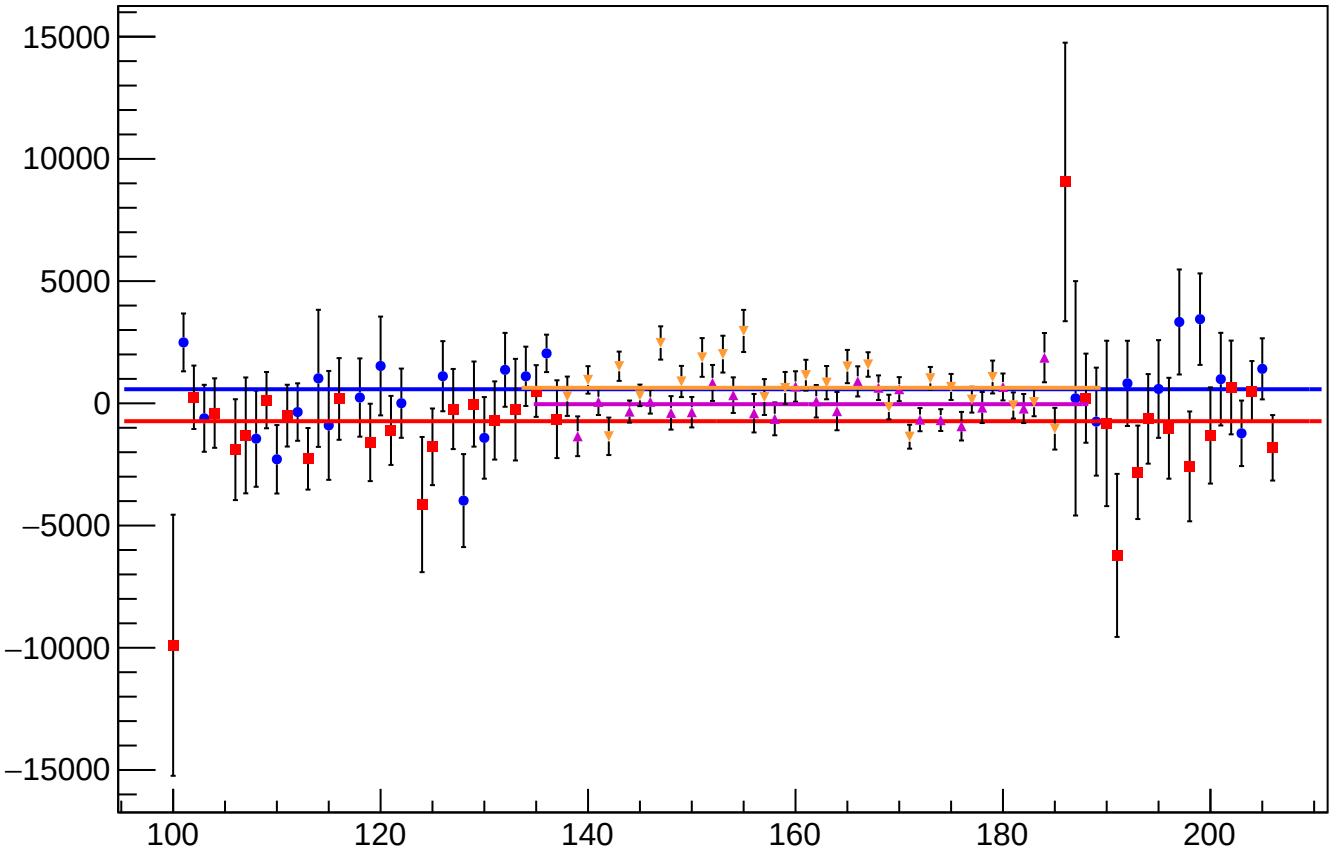
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1108.851+/-0.150 χ^2/NDF: 5893541.2/55

In: 593.112+/-0.080 χ^2/NDF:9669044.3/47

Out: 602.428+/-0.078 χ^2/NDF:12071327.1/55

All: 597.881+/-0.056 χ^2/NDF: 21747282.6/10



Right In: 576.786+/-302.183 χ^2/NDF: 28.3/24

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -730.766+/-298.556 χ^2/NDF: 20.4/30

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

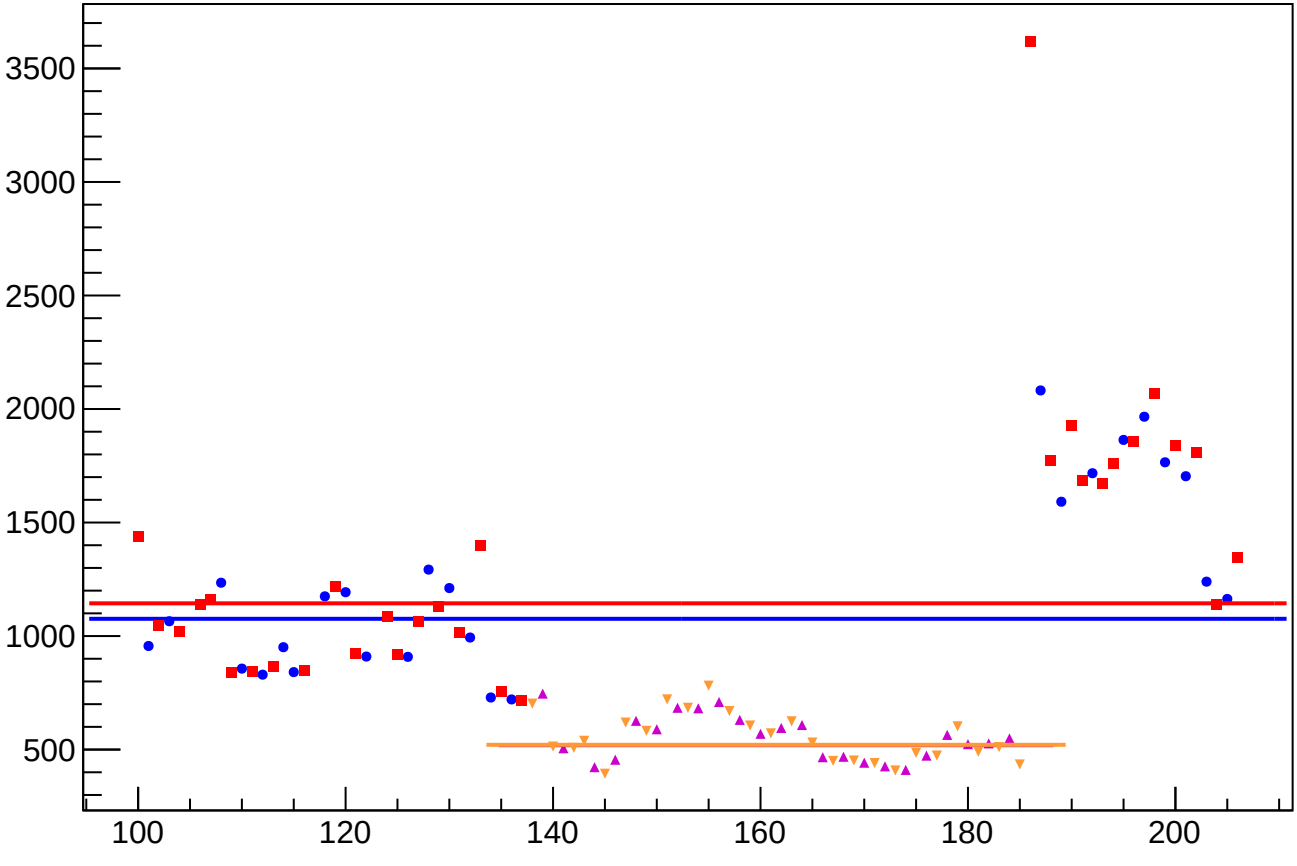
Right: -84.884+/-212.382 χ^2/NDF: 58.2/55

In: 52.747+/-114.335 χ^2/NDF:56.9/47

Out: 442.903+/-111.915 χ^2/NDF:102.9/55

All: 251.998+/-79.978 χ^2/NDF: 165.7/103

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1075.948+/-0.214 χ^2/NDF: 2556608.1/24

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1144.119+/-0.211 χ^2/NDF: 3270994.6/30

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

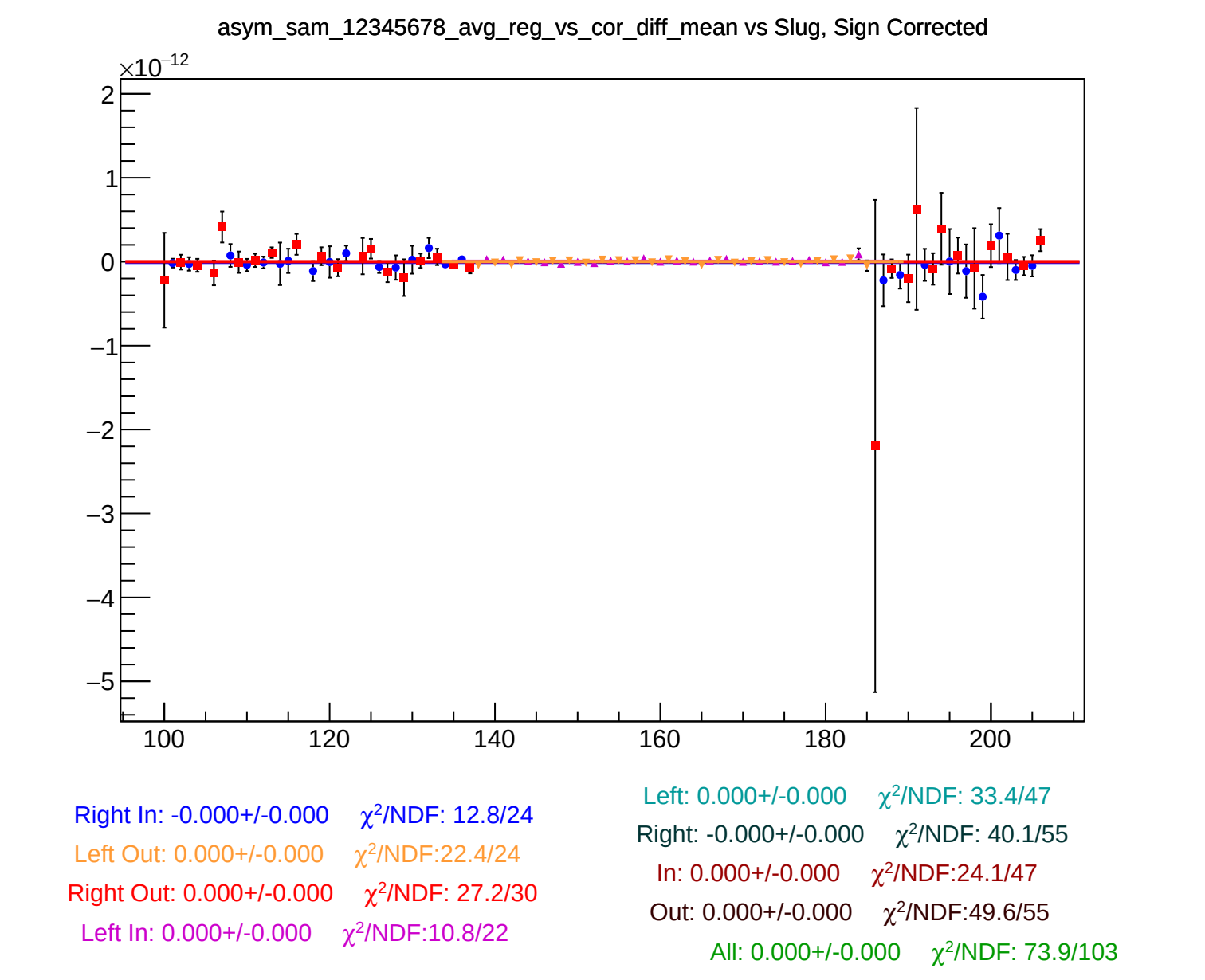
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

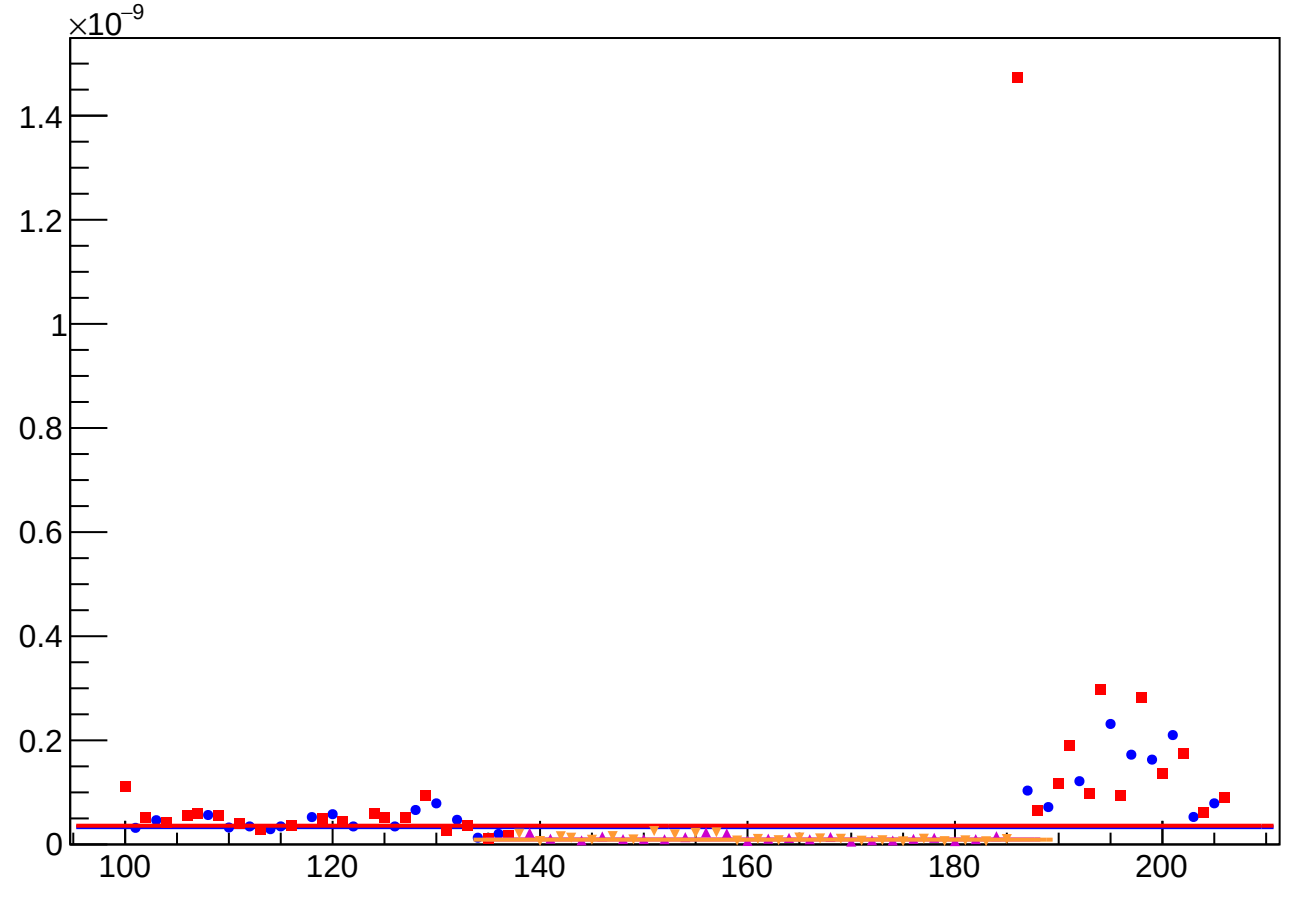
Right: 1110.445+/-0.150 χ^2/NDF: 5879111.3/55

In: 598.937+/-0.081 χ^2/NDF:9473449.3/47

Out: 608.579+/-0.079 χ^2/NDF:12001286.4/55

All: 603.861+/-0.057 χ^2/NDF: 21482000.2/10


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 12.8/24
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.2/30
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 40.1/55
In: 0.000+/-0.000 χ²/NDF:24.1/47
Out: 0.000+/-0.000 χ²/NDF:49.6/55
All: 0.000+/-0.000 χ²/NDF: 73.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 4250487.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623791.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

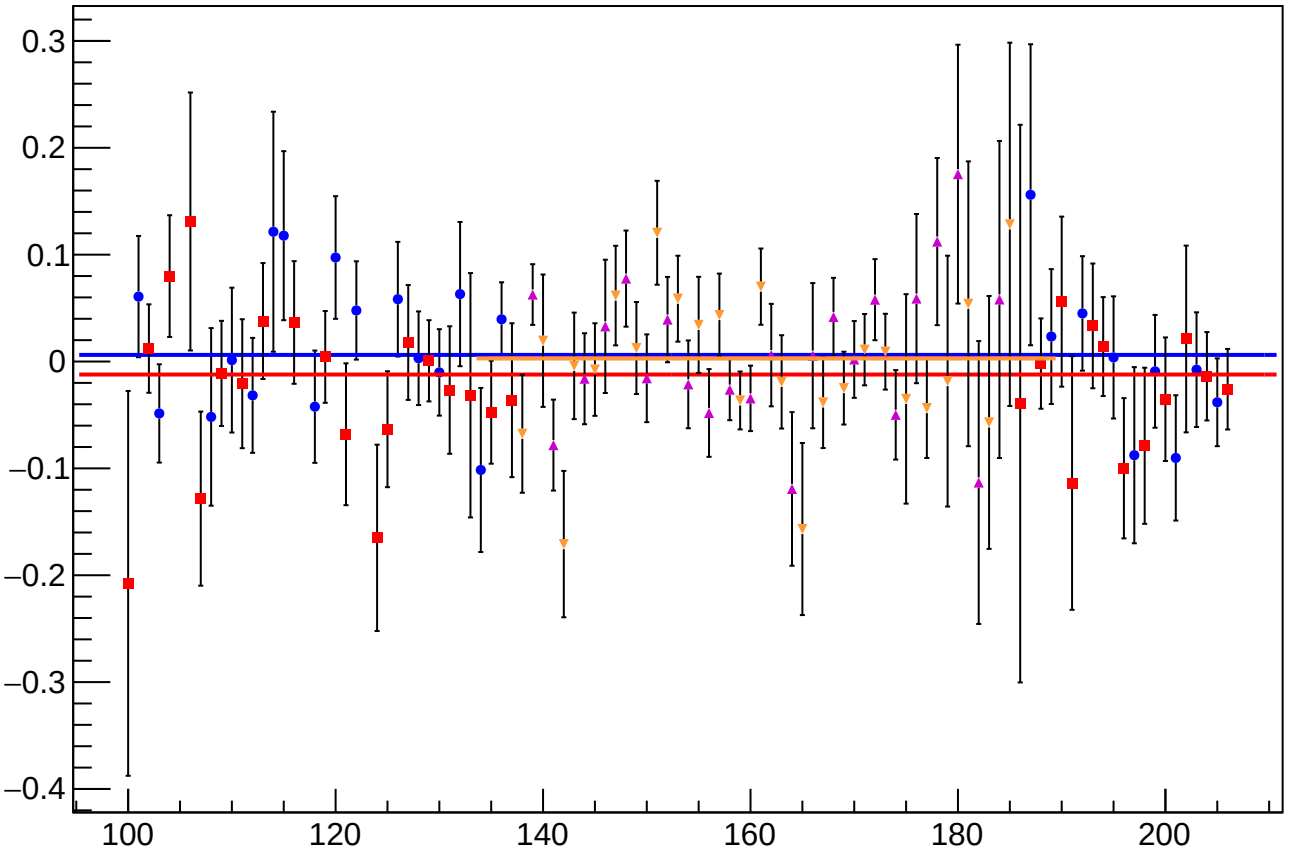
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9898770.5/55

In: 0.000+/-0.000 χ^2/NDF:9505027.9/47

Out: 0.000+/-0.000 χ^2/NDF:11914278.1/55

All: 0.000+/-0.000 χ^2/NDF: 21436221.2/103



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

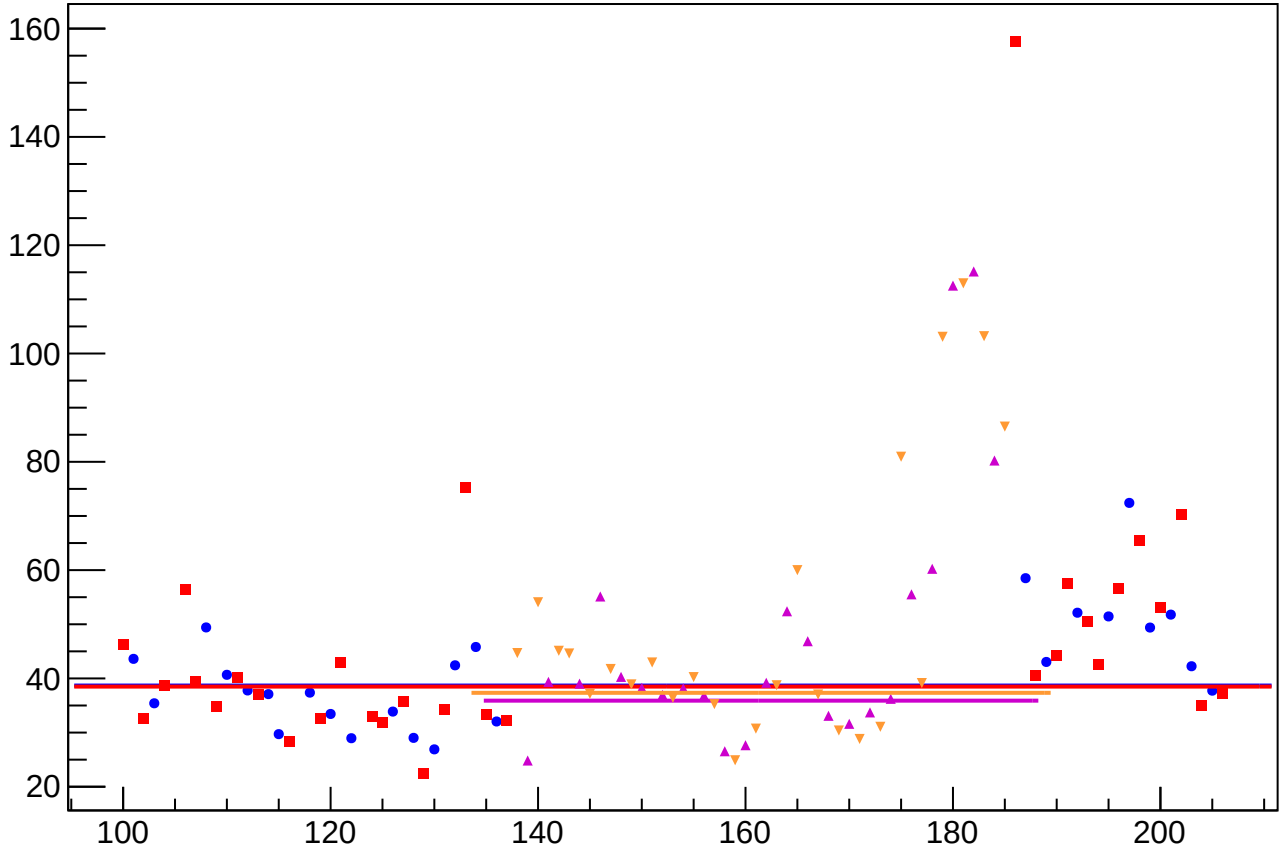
Right: -0.004+/-0.008 χ^2/NDF: 44.5/55

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: 0.000+/-0.005 χ^2/NDF: 107.6/103

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

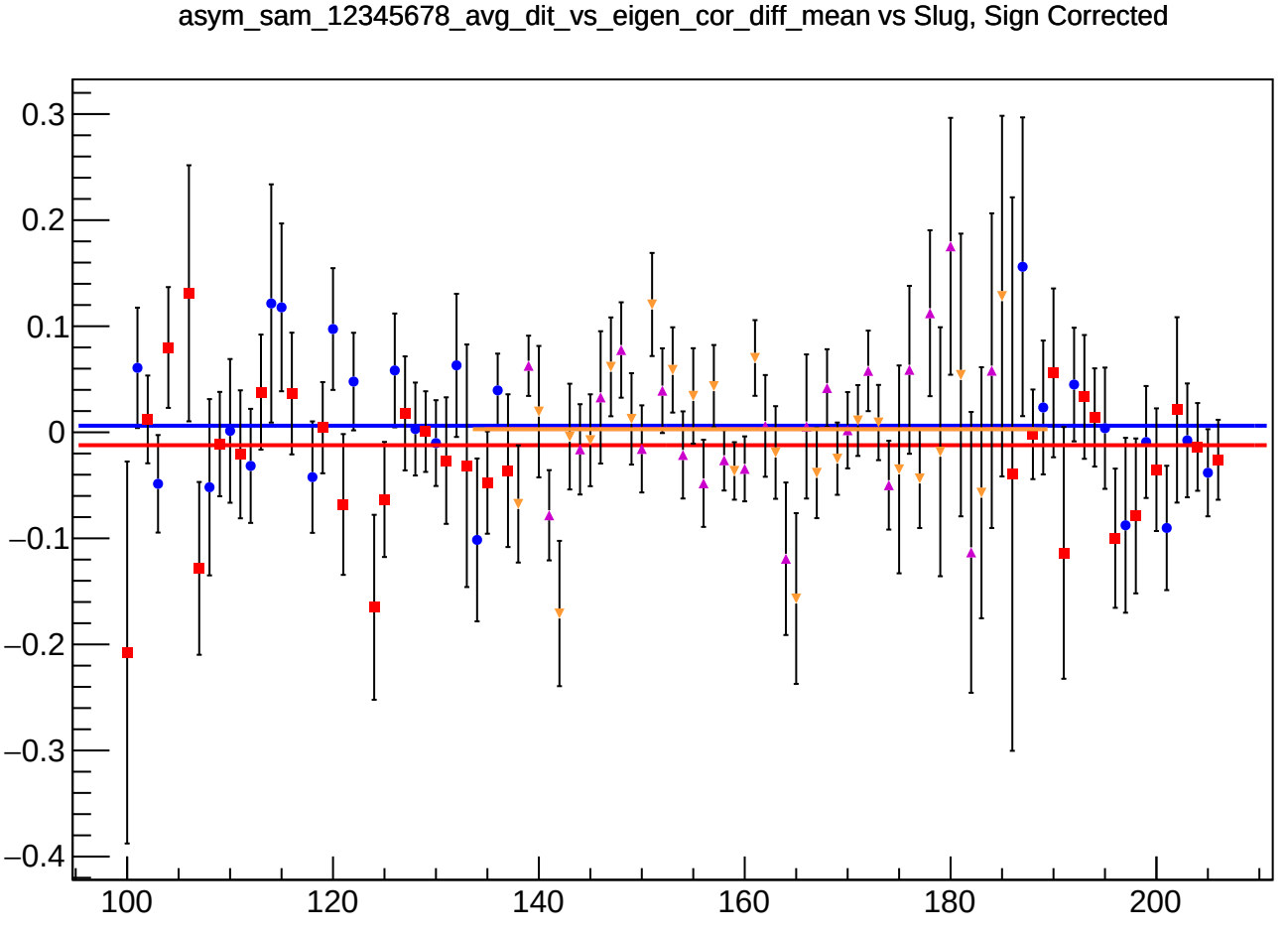
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.583+/-0.005 χ^2/NDF: 3662323.5/55

In: 37.038+/-0.005 χ^2/NDF:4590353.2/47

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.457+/-0.003 χ^2/NDF: 10600500.5/103



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

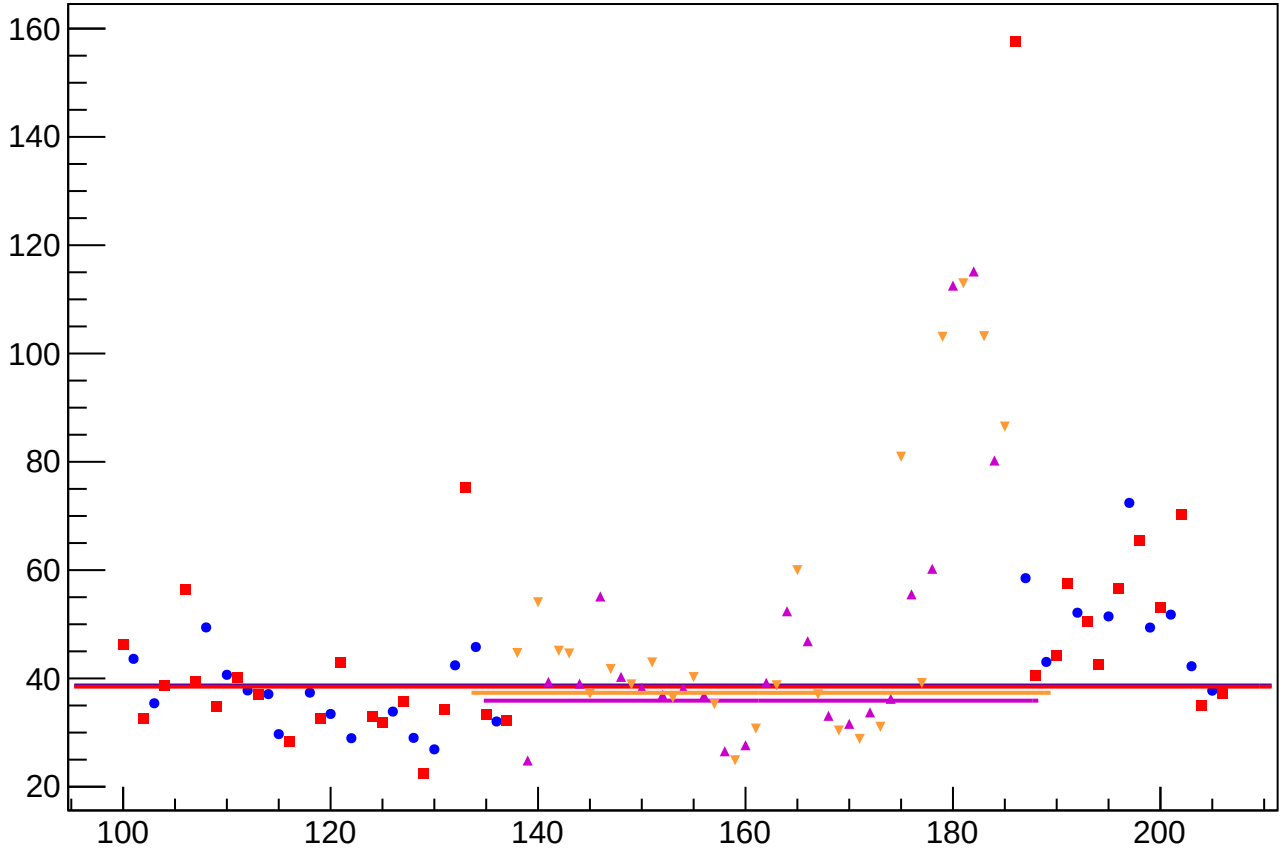
Right: -0.004+/-0.008 χ^2/NDF: 44.5/55

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: 0.000+/-0.005 χ^2/NDF: 107.6/103

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

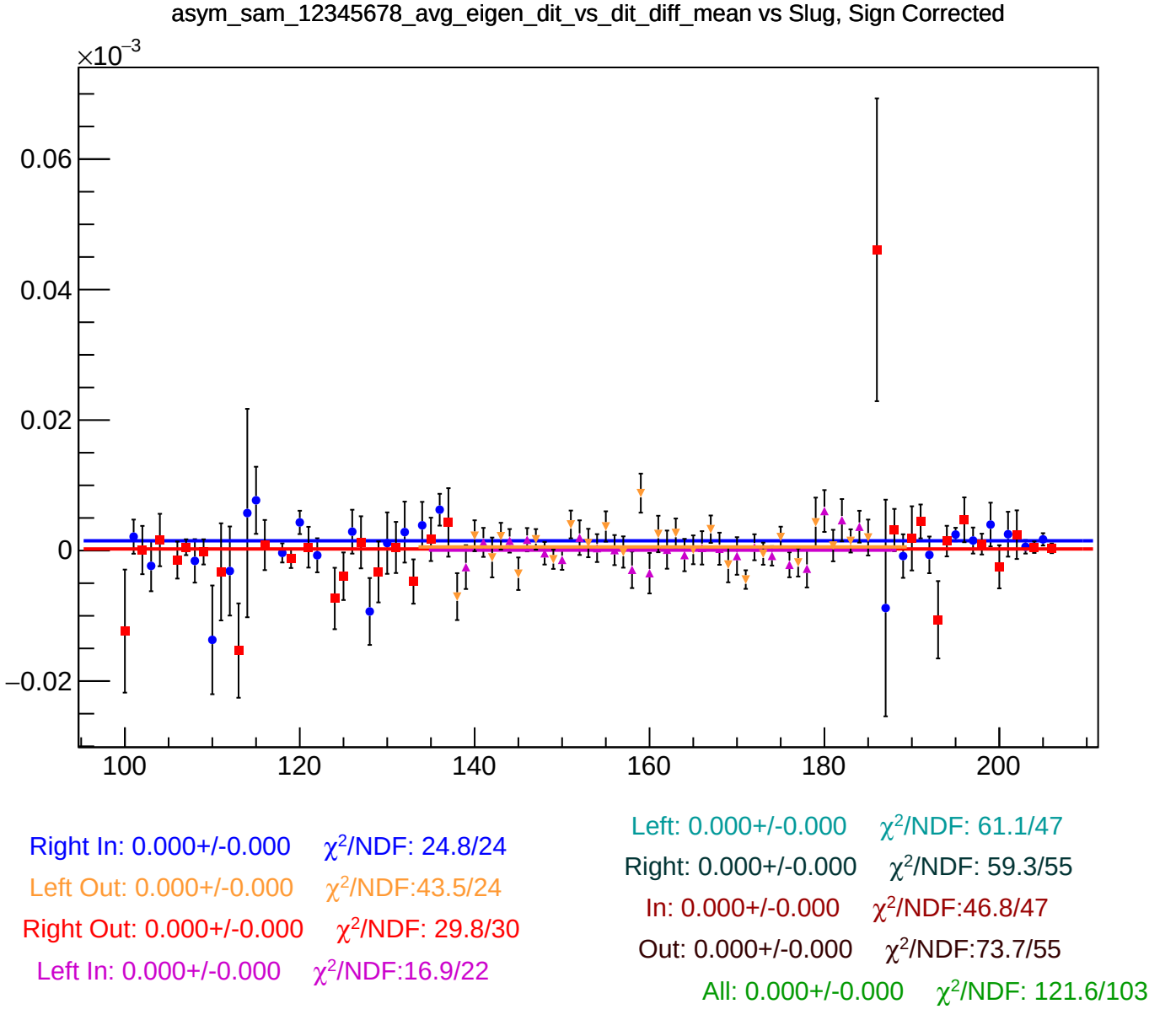
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.583+/-0.005 χ^2/NDF: 3662323.5/55

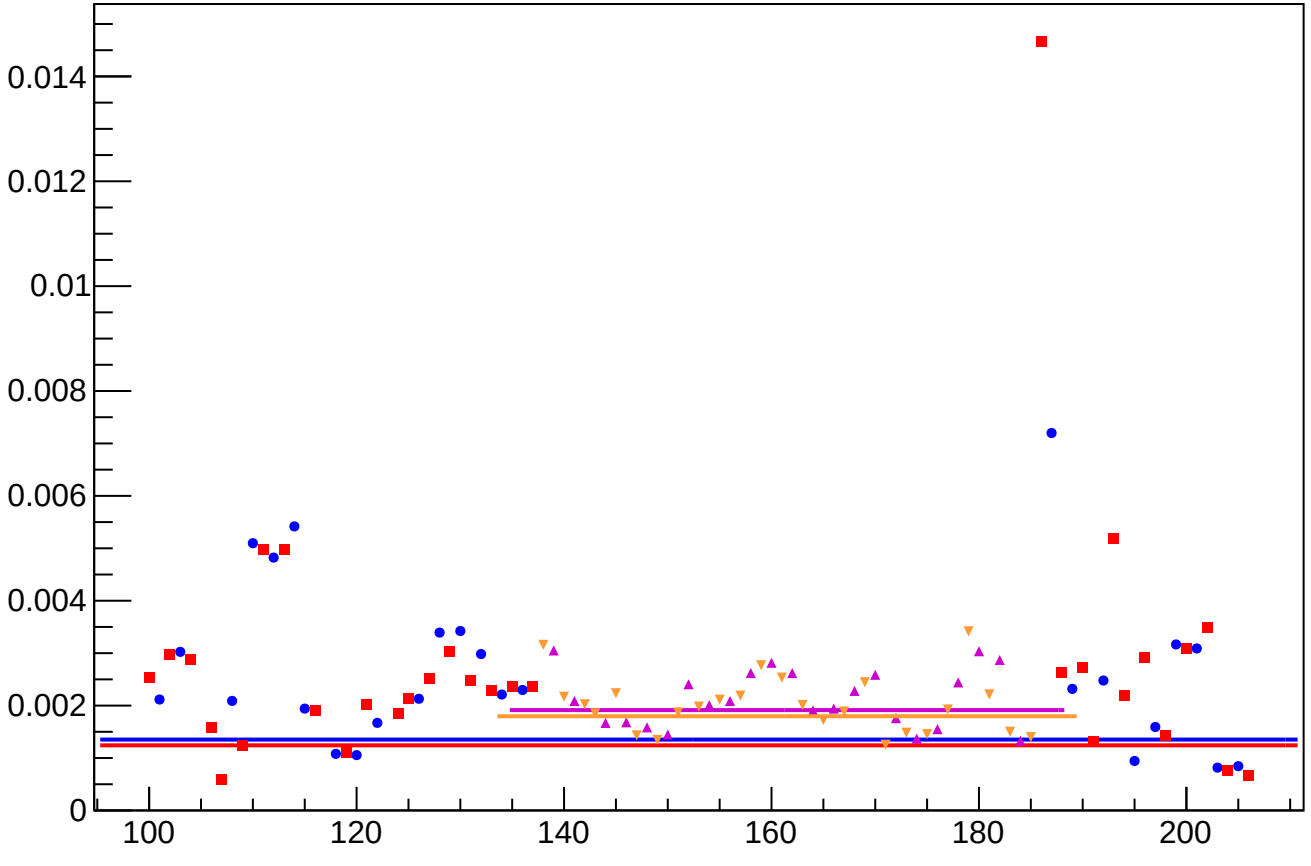
In: 37.038+/-0.005 χ^2/NDF:4590353.2/47

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.457+/-0.003 χ^2/NDF: 10600500.5/103


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.8/24
Left Out: 0.000+/-0.000 χ²/NDF:43.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/30
Left In: 0.000+/-0.000 χ²/NDF:16.9/22
Left: 0.000+/-0.000 χ²/NDF: 61.1/47
Right: 0.000+/-0.000 χ²/NDF: 59.3/55
In: 0.000+/-0.000 χ²/NDF:46.8/47
Out: 0.000+/-0.000 χ²/NDF:73.7/55
All: 0.000+/-0.000 χ²/NDF: 121.6/103

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6615911.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10109731.0/30

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

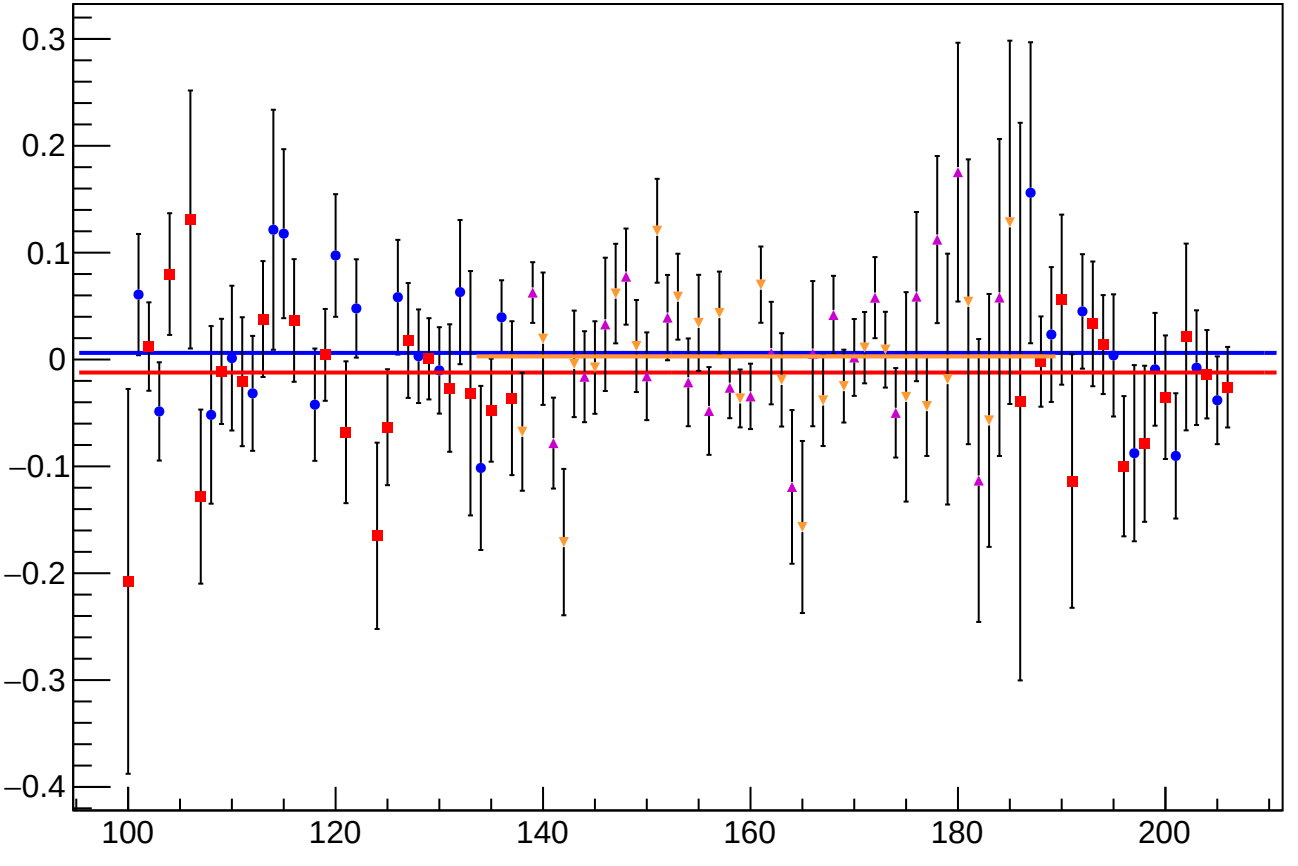
Right: 0.001+/-0.000 χ^2/NDF: 16797730.2/55

In: 0.002+/-0.000 χ^2/NDF:10357802.3/47

Out: 0.001+/-0.000 χ^2/NDF:14256903.5/55

All: 0.002+/-0.000 χ^2/NDF: 24766112.8/103

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

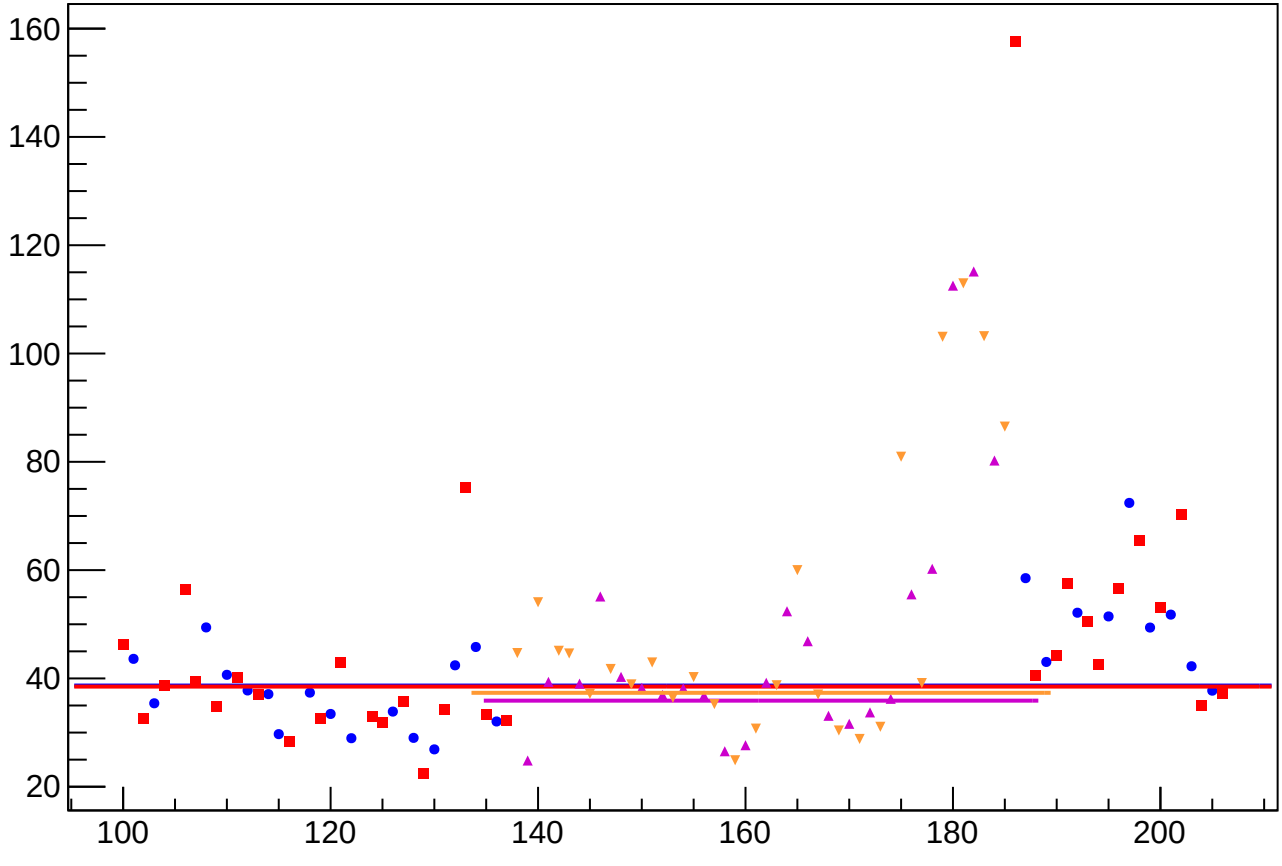
Right: -0.004+/-0.008 χ^2/NDF: 44.5/55

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: 0.000+/-0.005 χ^2/NDF: 107.6/103

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

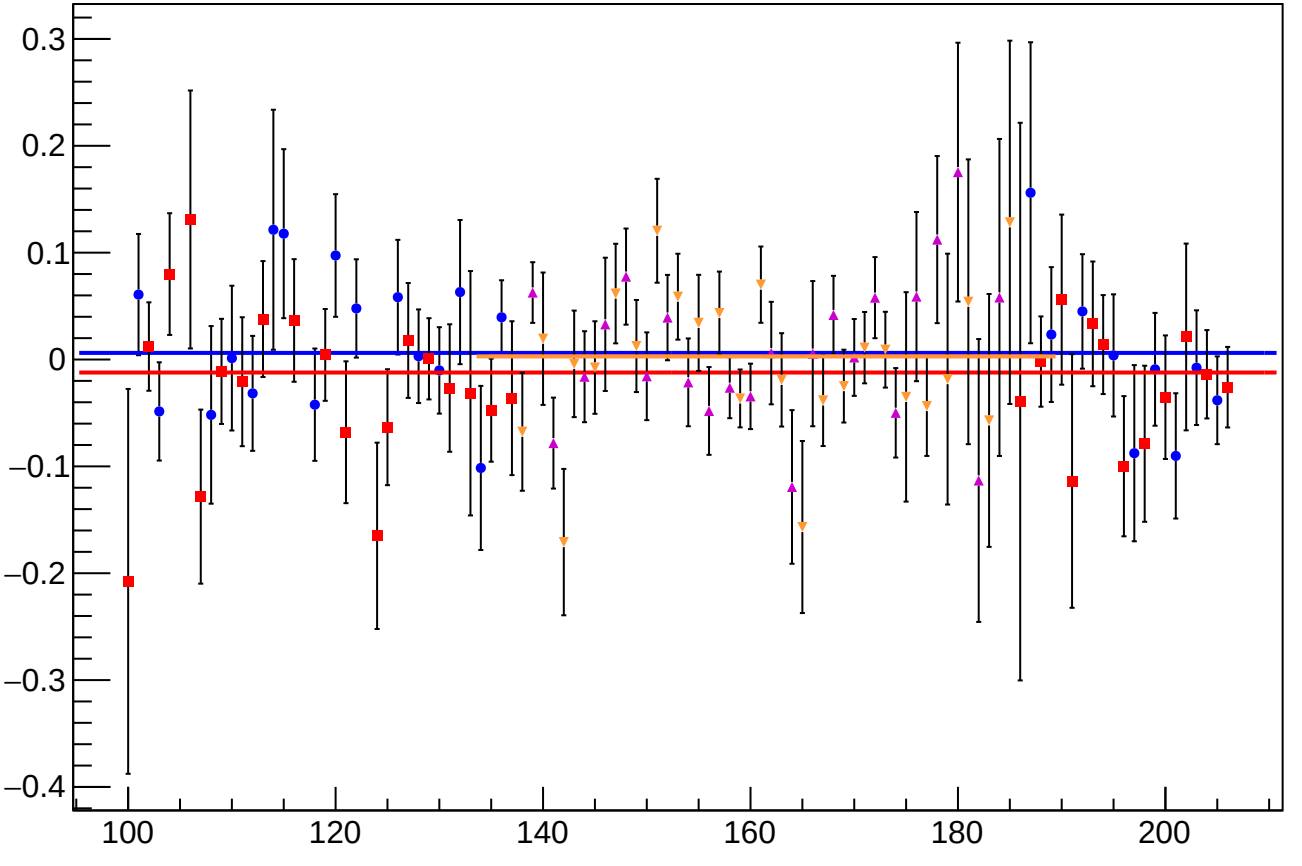
Right: 38.582+/-0.005 χ^2/NDF: 3662555.0/55

In: 37.038+/-0.005 χ^2/NDF:4590430.8/47

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.457+/-0.003 χ^2/NDF: 10600733.2/103

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

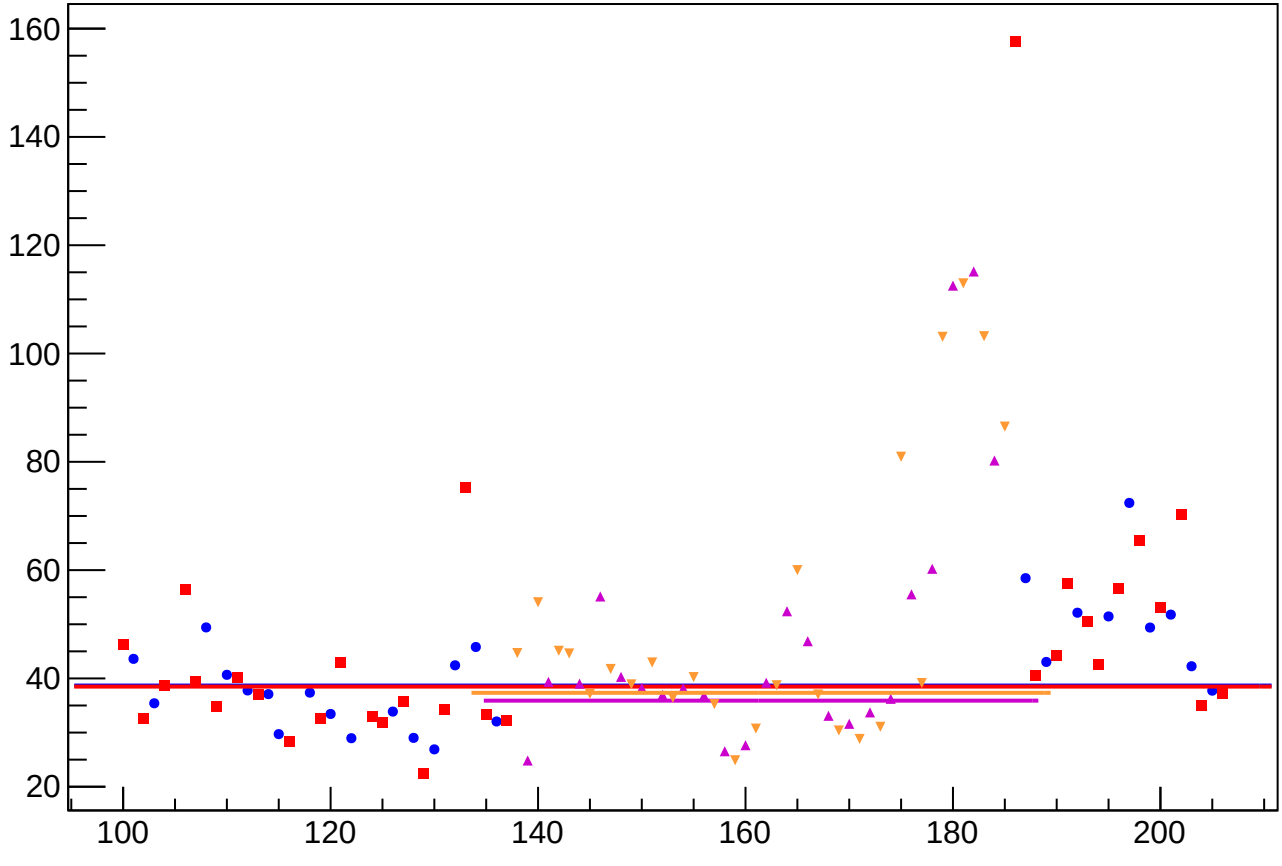
Right: -0.004+/-0.008 χ^2/NDF: 44.5/55

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: 0.000+/-0.005 χ^2/NDF: 107.6/103

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

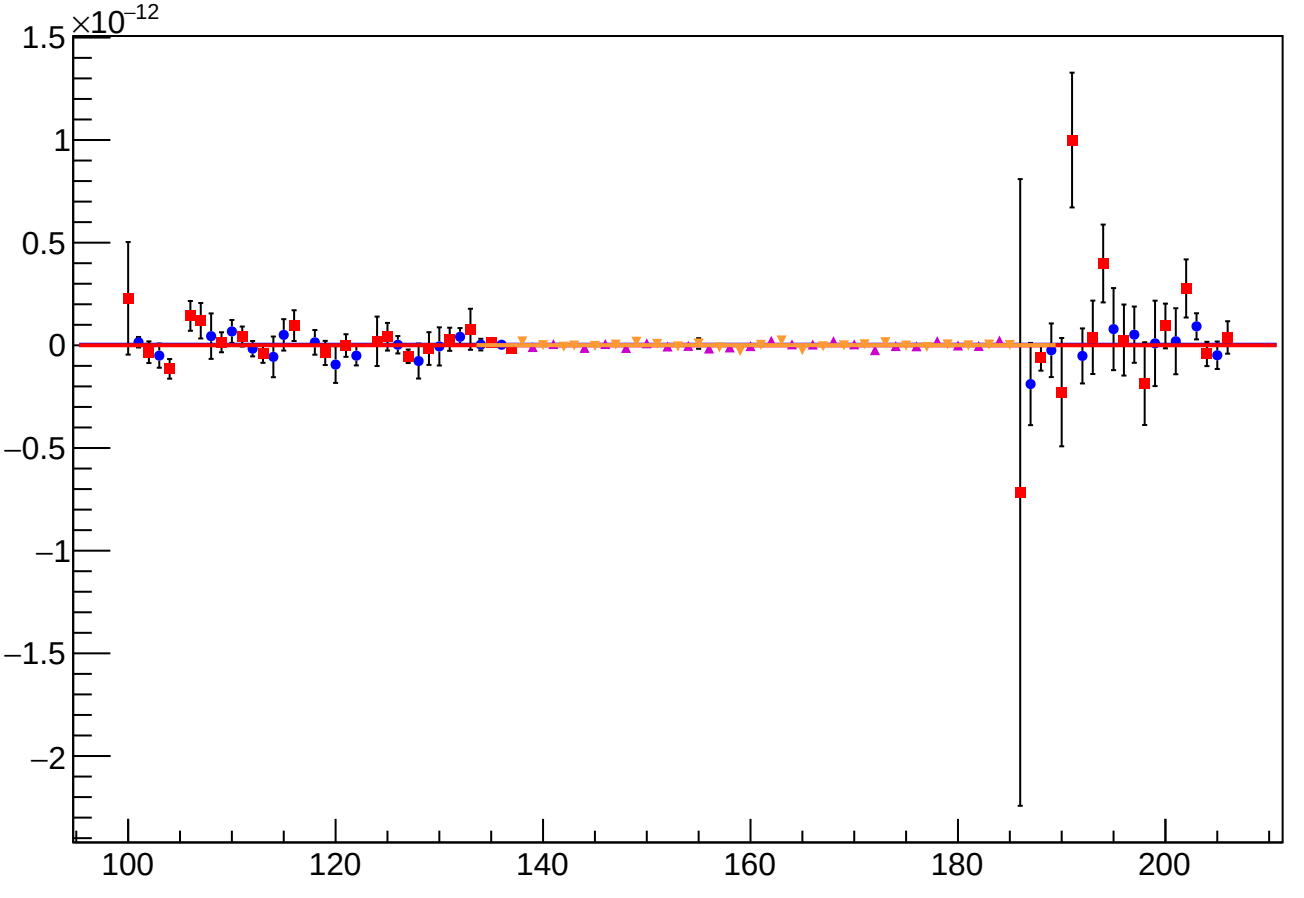
Right: 38.582+/-0.005 χ^2/NDF: 3662555.0/55

In: 37.038+/-0.005 χ^2/NDF:4590430.8/47

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.457+/-0.003 χ^2/NDF: 10600733.2/103

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/30

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

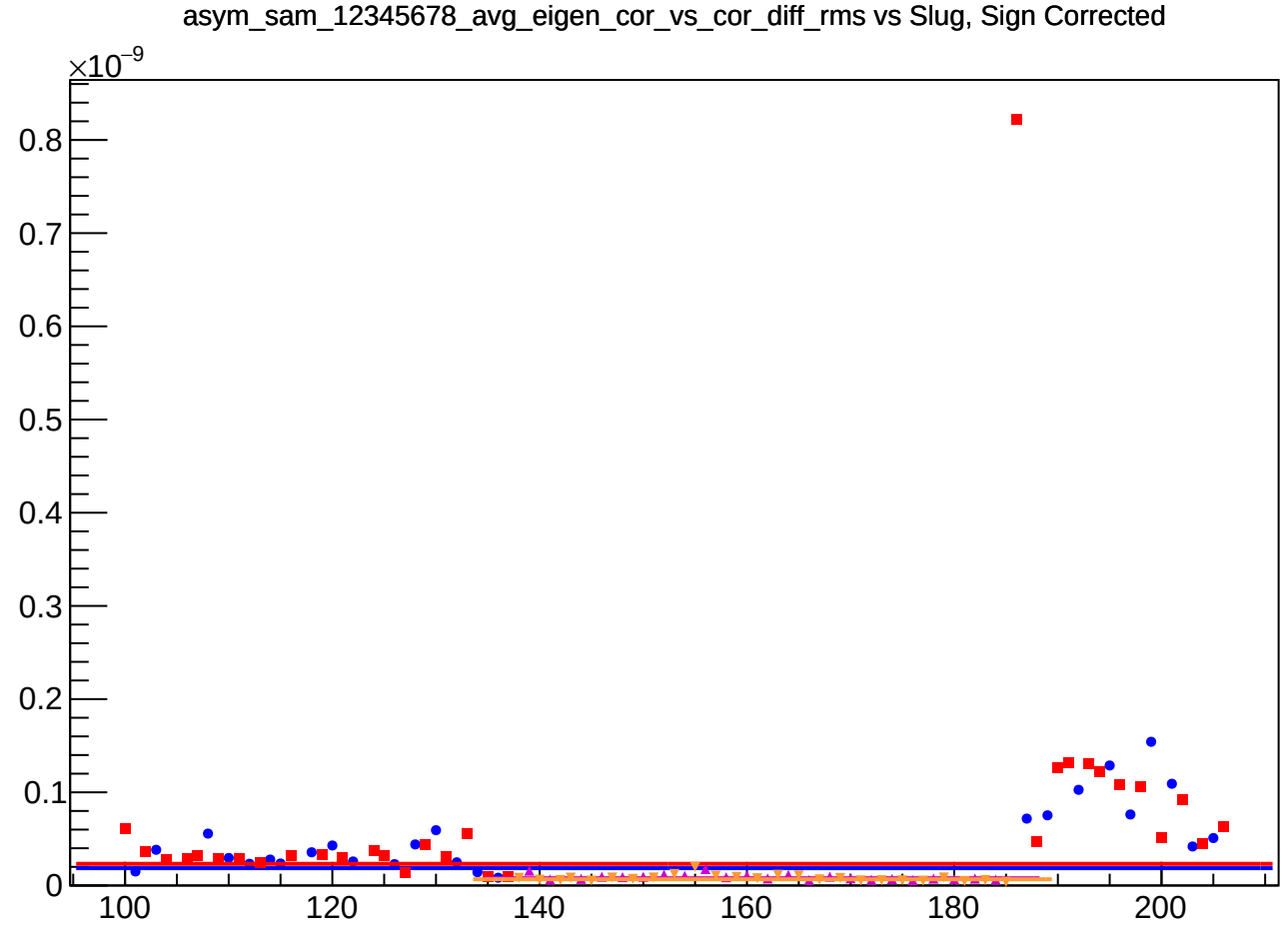
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 55.0/55

In: 0.000+/-0.000 χ^2/NDF:40.9/47

Out: 0.000+/-0.000 χ^2/NDF:64.7/55

All: 0.000+/-0.000 χ^2/NDF: 105.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 7494022.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7573116.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

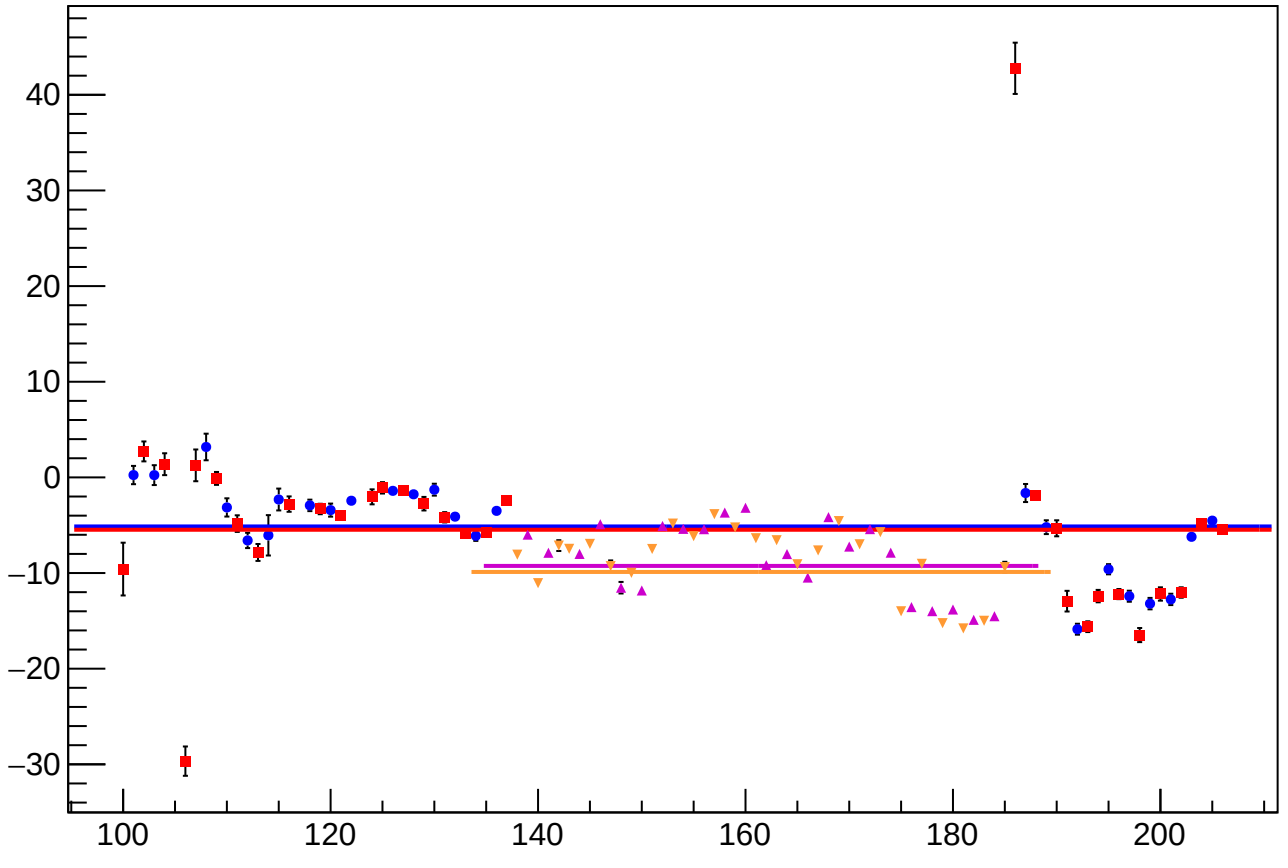
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15328027.4/55

In: 0.000+/-0.000 χ^2/NDF:12122846.9/47

Out: 0.000+/-0.000 χ^2/NDF:15336145.1/55

All: 0.000+/-0.000 χ^2/NDF: 27745647.9/103



Right In: -5.129+/-0.110 χ^2/NDF: 1315.5/24

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.475+/-0.105 χ^2/NDF: 2253.5/30

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

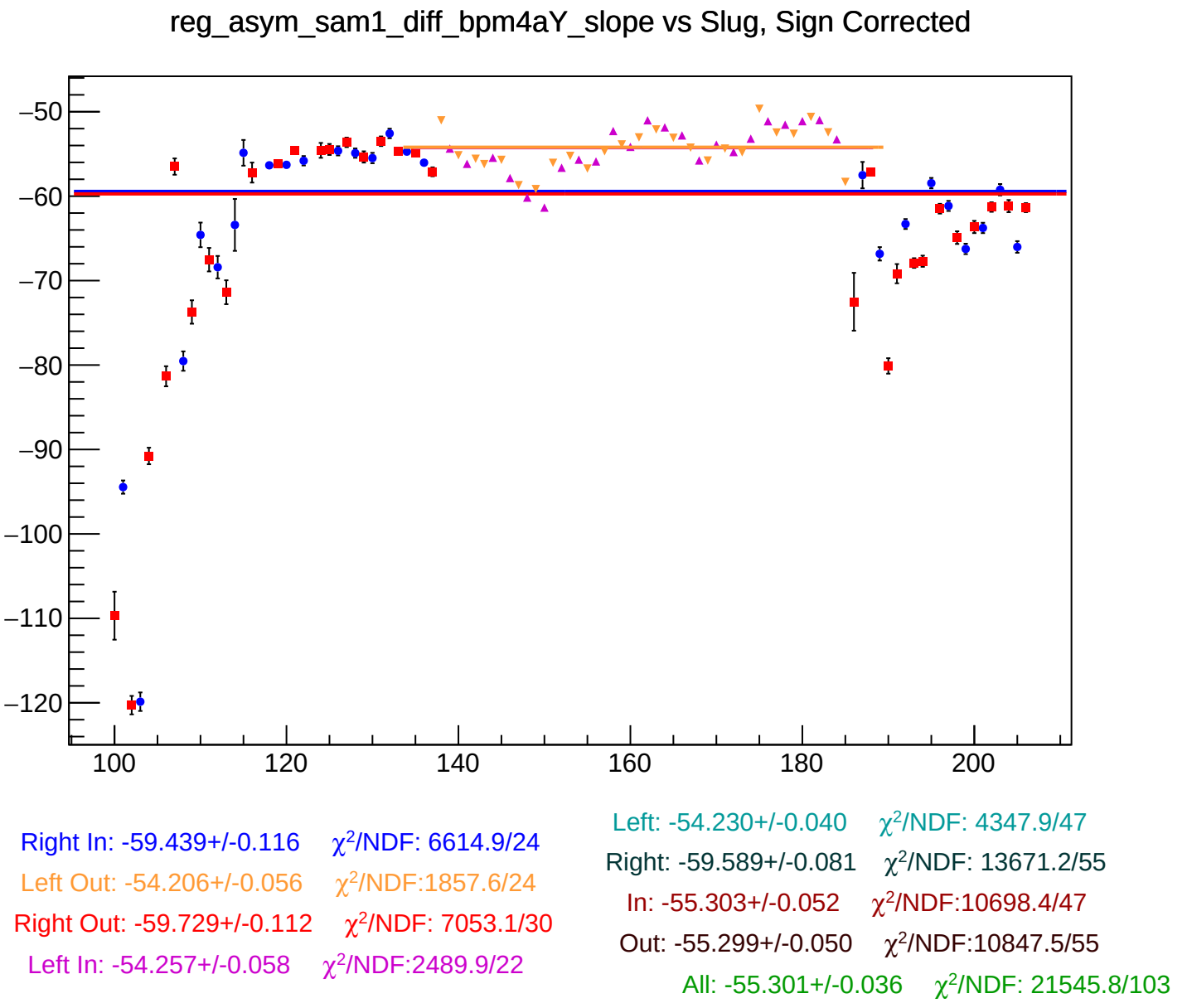
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

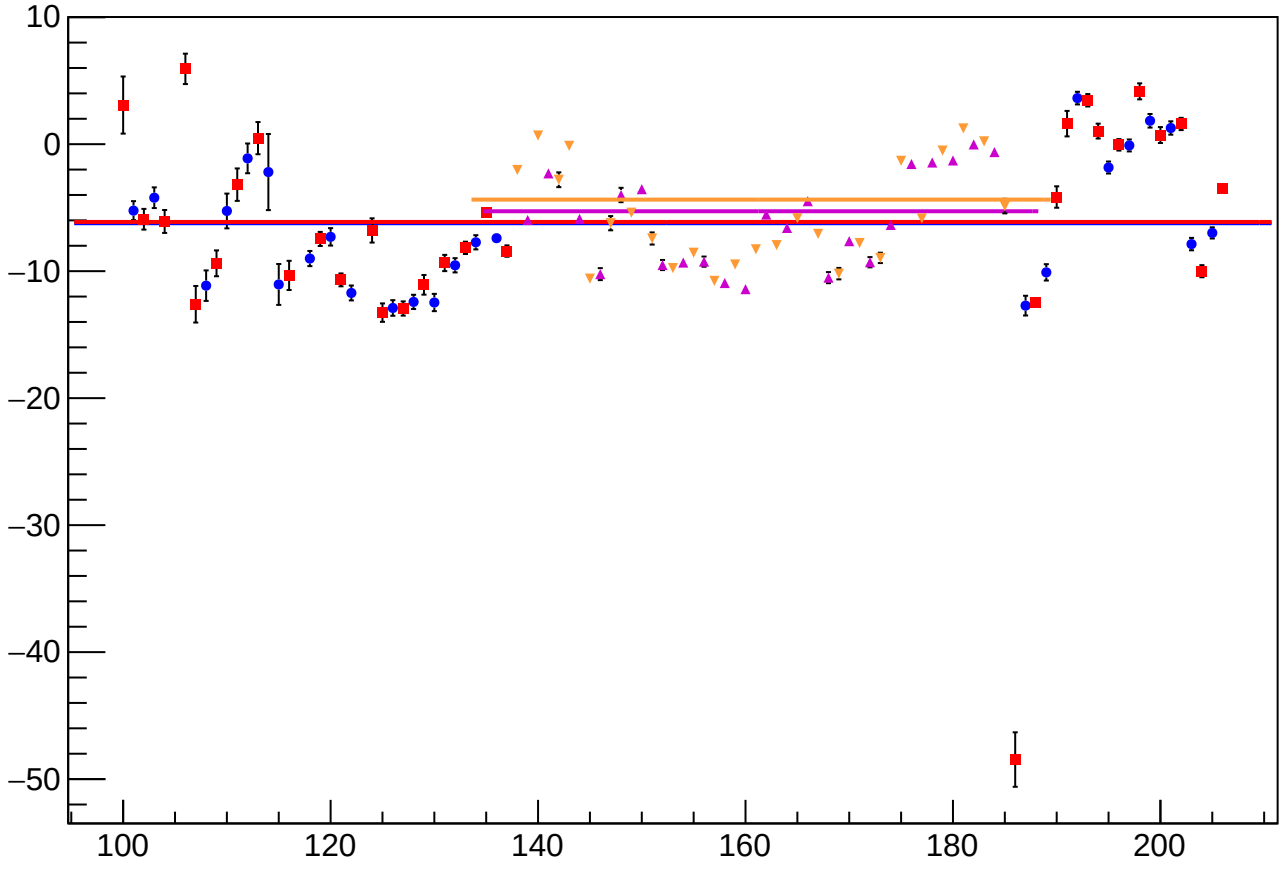
Right: -5.310+/-0.076 χ^2/NDF: 3574.2/55

In: -8.025+/-0.060 χ^2/NDF:5372.4/47

Out: -8.533+/-0.058 χ^2/NDF:6695.5/55

All: -8.288+/-0.042 χ^2/NDF: 12105.0/103


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
120
140
160
180
200
Right In: -59.439+/-0.116 χ²/NDF: 6614.9/24
Left Out: -54.206+/-0.056 χ²/NDF:1857.6/24
Right Out: -59.729+/-0.112 χ²/NDF: 7053.1/30
Left In: -54.257+/-0.058 χ²/NDF:2489.9/22
Left: -54.230+/-0.040 χ²/NDF: 4347.9/47
Right: -59.589+/-0.081 χ²/NDF: 13671.2/55
In: -55.303+/-0.052 χ²/NDF:10698.4/47
Out: -55.299+/-0.050 χ²/NDF:10847.5/55
All: -55.301+/-0.036 χ²/NDF: 21545.8/103



Right In: -6.224+/-0.111 χ^2/NDF: 1757.0/24

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.124+/-0.103 χ^2/NDF: 3161.4/30

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

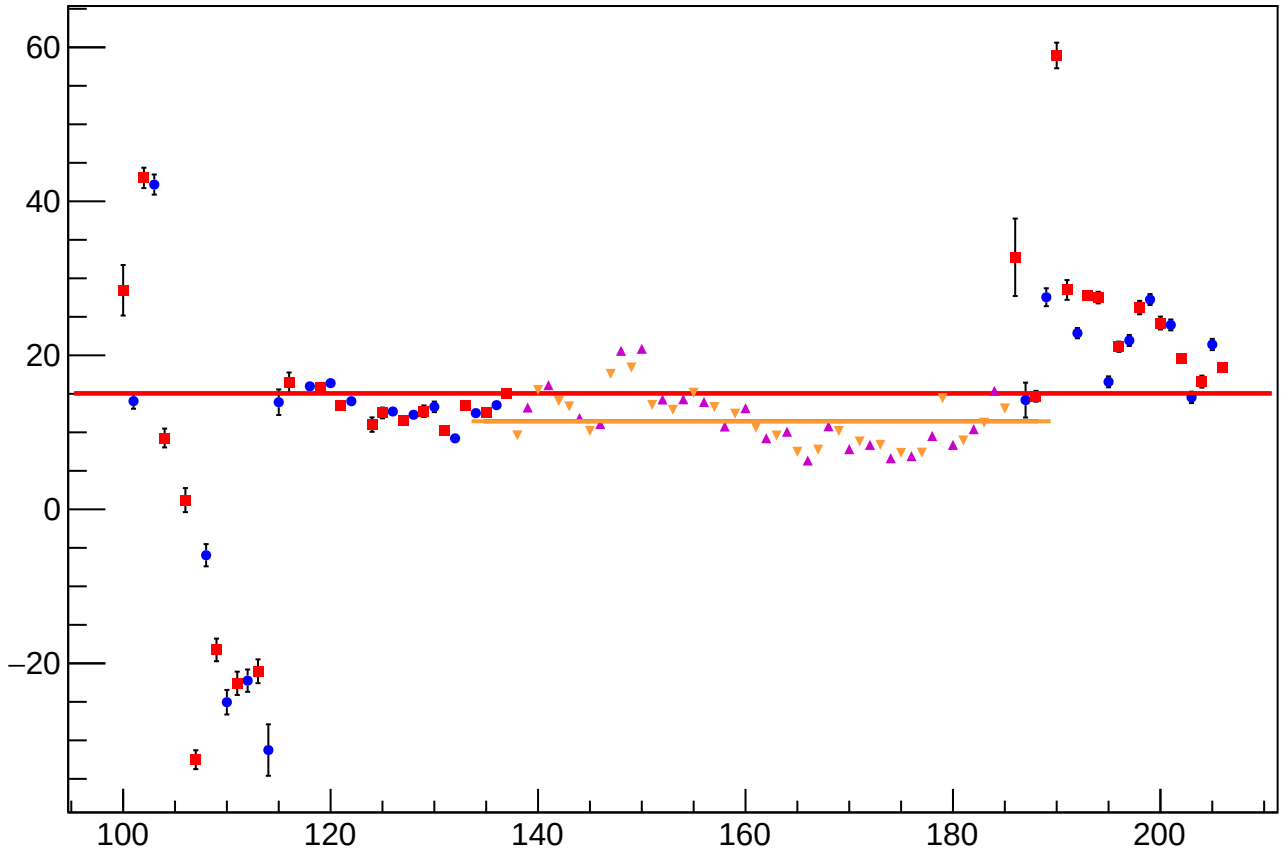
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.170+/-0.076 χ^2/NDF: 4918.8/55

In: -5.557+/-0.060 χ^2/NDF:4558.1/47

Out: -4.912+/-0.057 χ^2/NDF:7062.9/55

All: -5.222+/-0.041 χ^2/NDF: 11681.4/103



Right In: 15.036+/-0.130 χ^2/NDF: 3225.2/24

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.089+/-0.128 χ^2/NDF: 5901.2/30

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

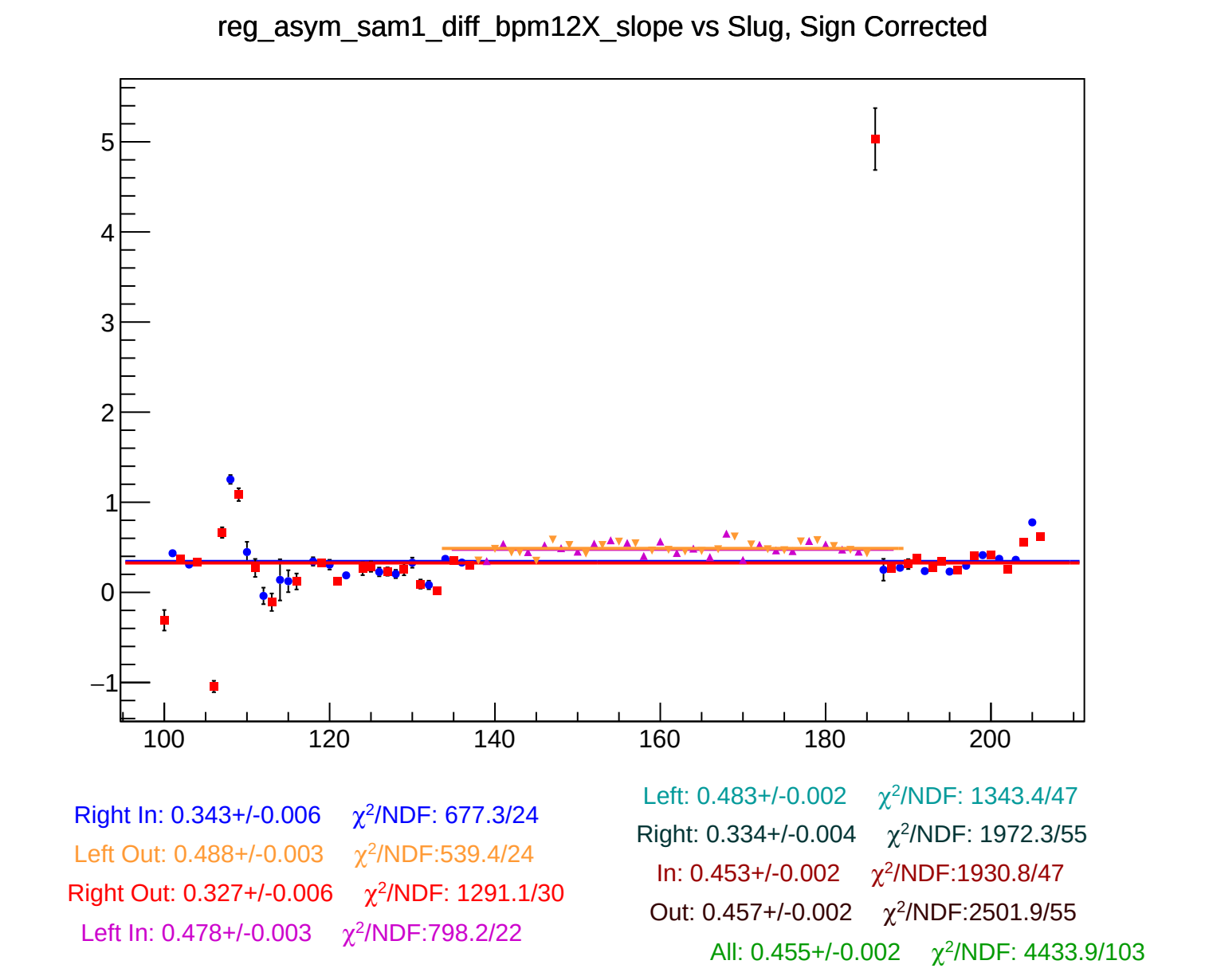
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

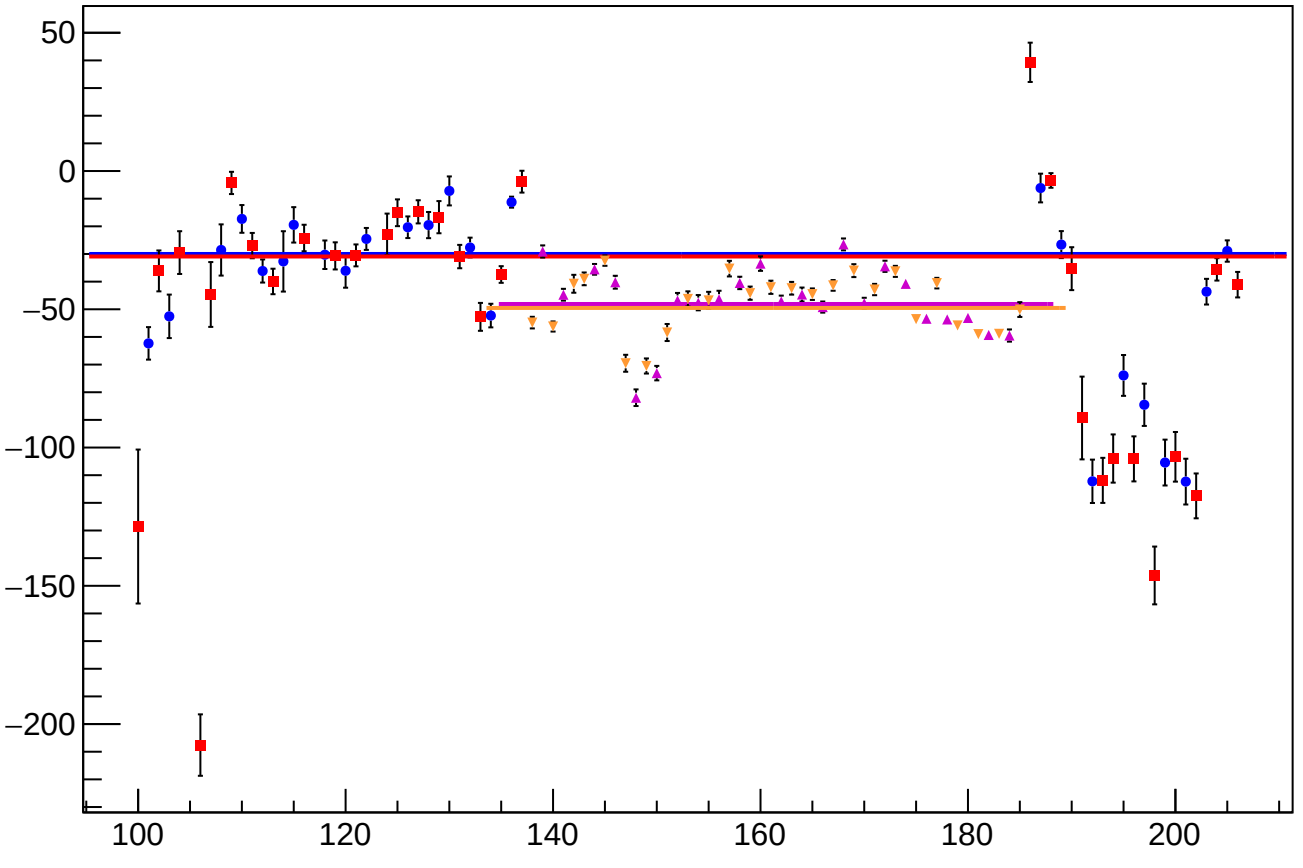
Right: 15.063+/-0.091 χ^2/NDF: 9126.5/55

In: 12.145+/-0.058 χ^2/NDF:7198.0/47

Out: 12.131+/-0.056 χ^2/NDF:8995.3/55

All: 12.138+/-0.040 χ^2/NDF: 16193.3/103


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: 0.343+/-0.006 χ²/NDF: 677.3/24
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.327+/-0.006 χ²/NDF: 1291.1/30
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.334+/-0.004 χ²/NDF: 1972.3/55
In: 0.453+/-0.002 χ²/NDF:1930.8/47
Out: 0.457+/-0.002 χ²/NDF:2501.9/55
All: 0.455+/-0.002 χ²/NDF: 4433.9/103



Right In: -29.999+/-0.945 χ^2/NDF: 607.4/24

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.910+/-0.934 χ^2/NDF: 1198.7/30

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

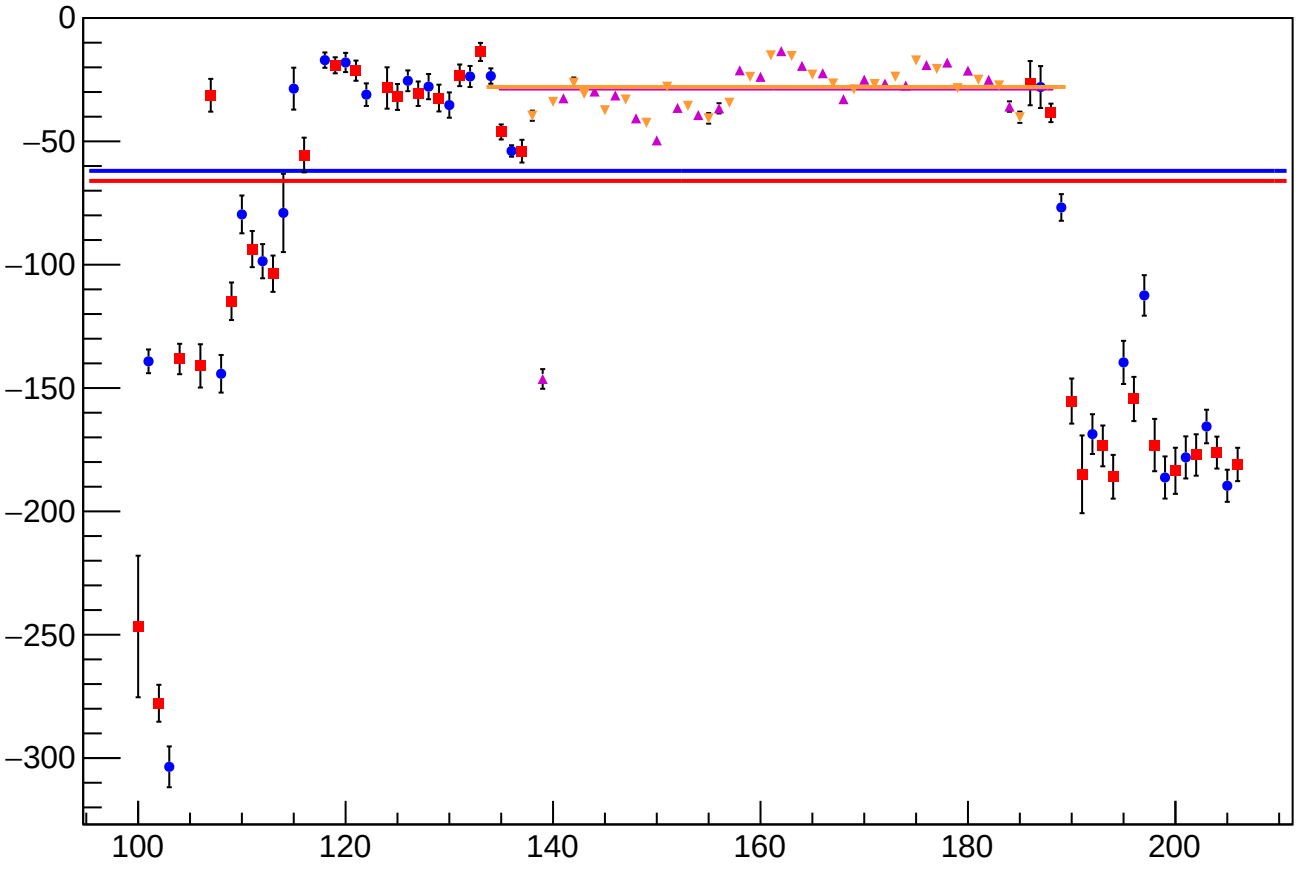
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.460+/-0.664 χ^2/NDF: 1806.5/55

In: -45.119+/-0.383 χ^2/NDF:1620.1/47

Out: -46.605+/-0.370 χ^2/NDF:2109.5/55

All: -45.888+/-0.266 χ^2/NDF: 3737.4/103



Right In: -61.956+/-1.006 χ^2/NDF: 3376.8/24

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -66.035+/-1.034 χ^2/NDF: 3675.2/30

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

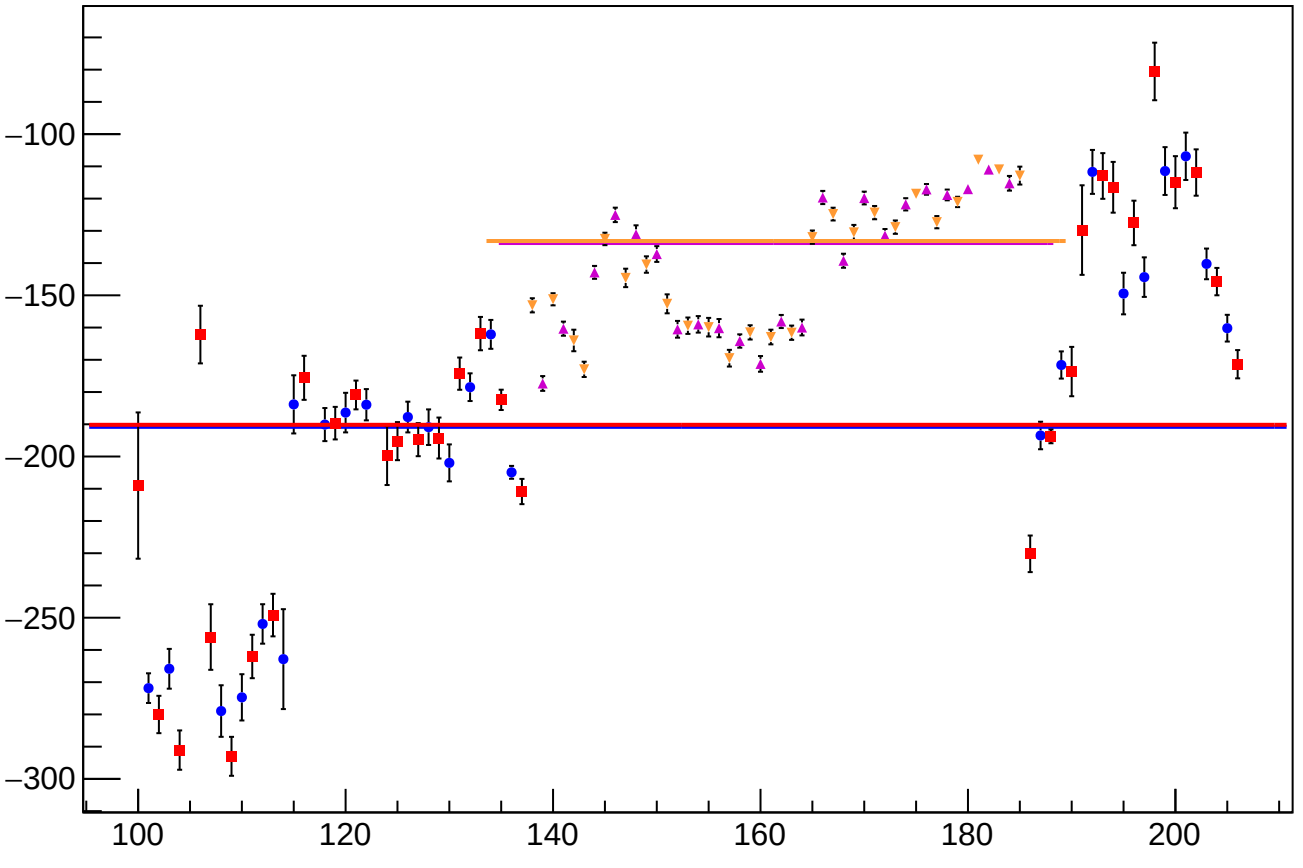
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -63.938+/-0.721 χ^2/NDF: 7060.0/55

In: -31.901+/-0.317 χ^2/NDF:5849.1/47

Out: -31.305+/-0.307 χ^2/NDF:5409.4/55

All: -31.594+/-0.220 χ^2/NDF: 11260.4/103



Right In: -190.791+/-0.979 χ^2/NDF: 1610.0/24

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -190.166+/-0.955 χ^2/NDF: 1984.2/30

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

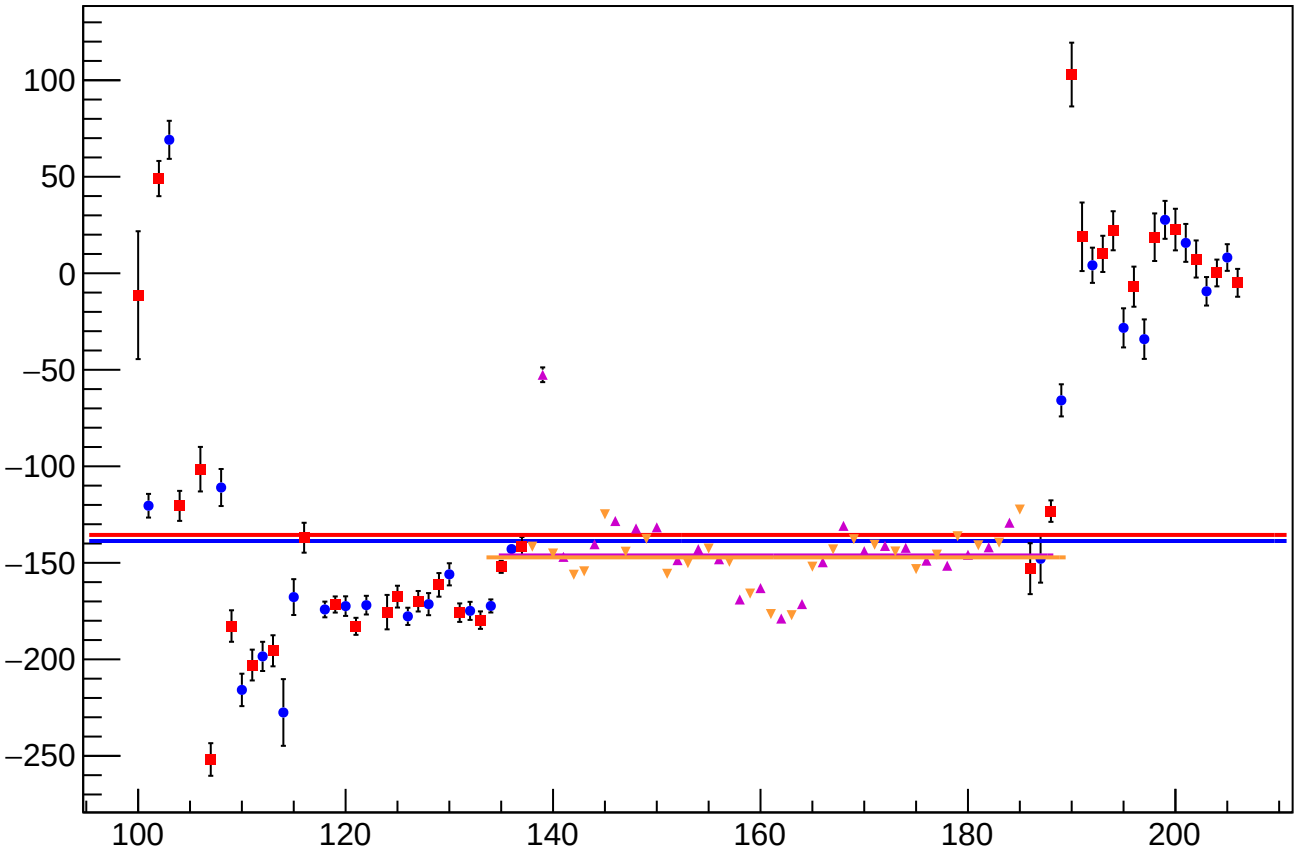
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -190.471+/-0.684 χ^2/NDF: 3594.4/55

In: -142.525+/-0.384 χ^2/NDF:6919.2/47

Out: -141.769+/-0.371 χ^2/NDF:7539.8/55

All: -142.135+/-0.267 χ^2/NDF: 14461.1/103



Right In: -138.690+/-1.134 χ^2/NDF: 2930.0/24

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -135.544+/-1.185 χ^2/NDF: 3514.0/30

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

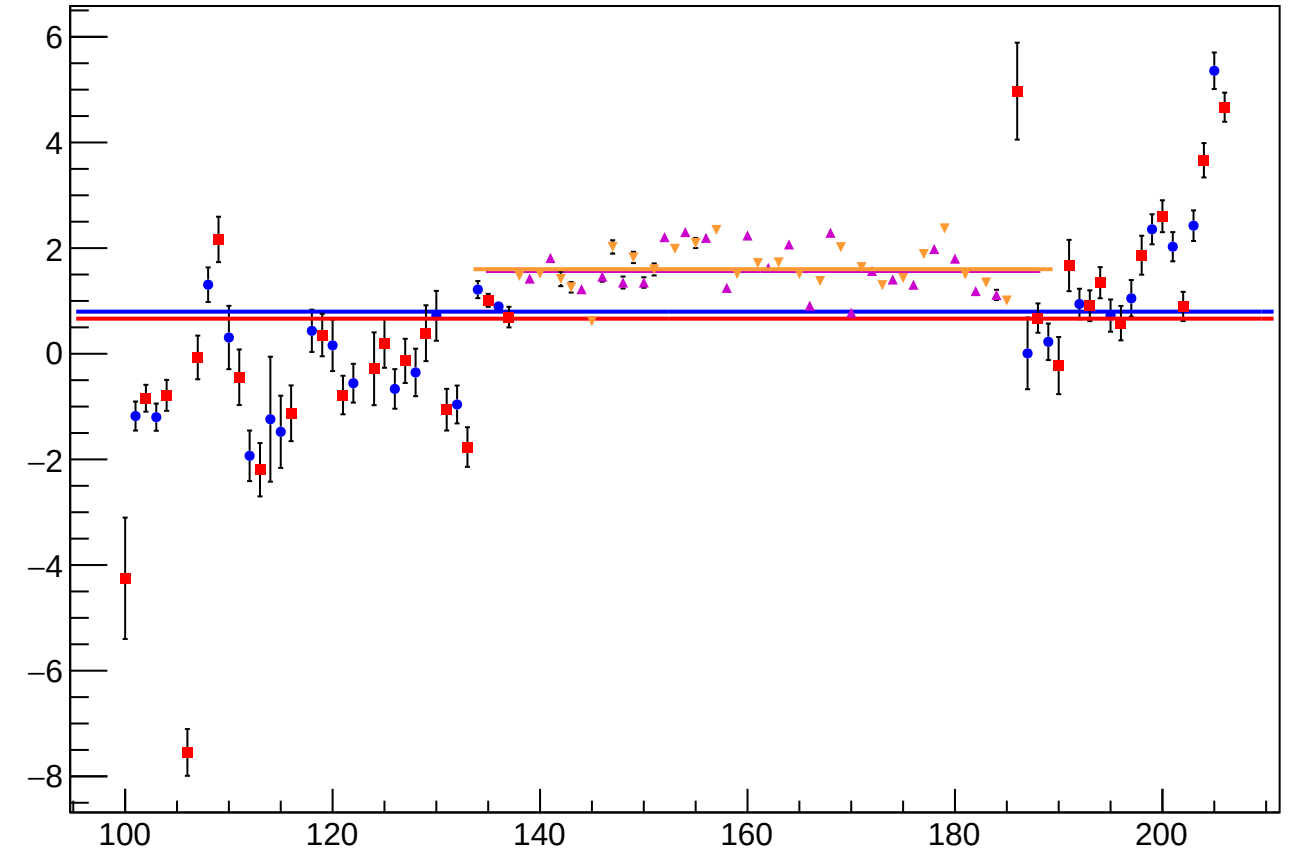
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -137.188+/-0.819 χ^2/NDF: 6447.7/55

In: -145.451+/-0.352 χ^2/NDF:4763.1/47

Out: -146.195+/-0.343 χ^2/NDF:4847.8/55

All: -145.833+/-0.246 χ^2/NDF: 9613.2/103



Right In: 0.797+/-0.055 χ^2/NDF: 491.4/24

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.665+/-0.058 χ^2/NDF: 961.5/30

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

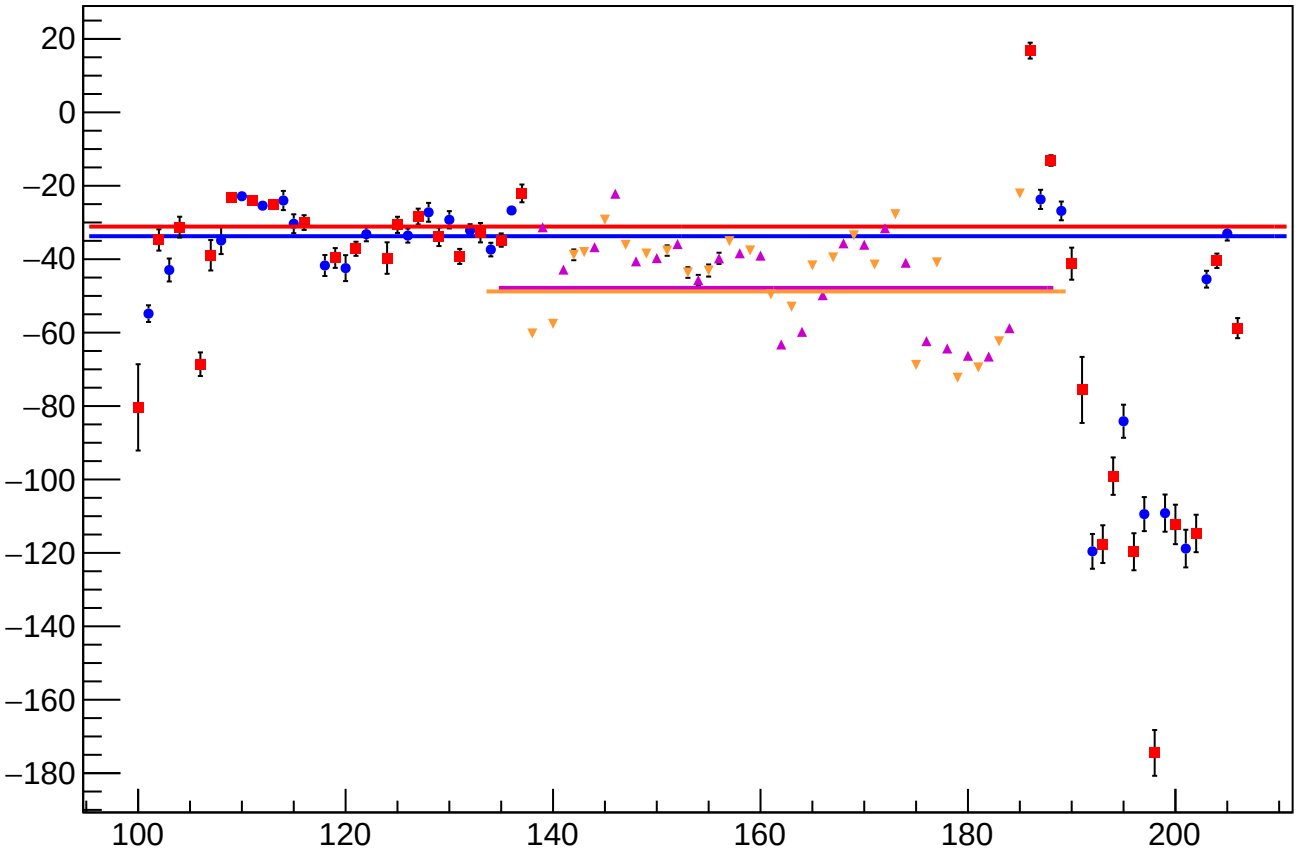
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.734+/-0.040 χ^2/NDF: 1455.6/55

In: 1.505+/-0.016 χ^2/NDF:1404.0/47

Out: 1.534+/-0.015 χ^2/NDF:1787.5/55

All: 1.520+/-0.011 χ^2/NDF: 3193.3/103



Right In: -33.735+/-0.424 χ^2/NDF: 1571.0/24

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.113+/-0.399 χ^2/NDF: 2935.6/30

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

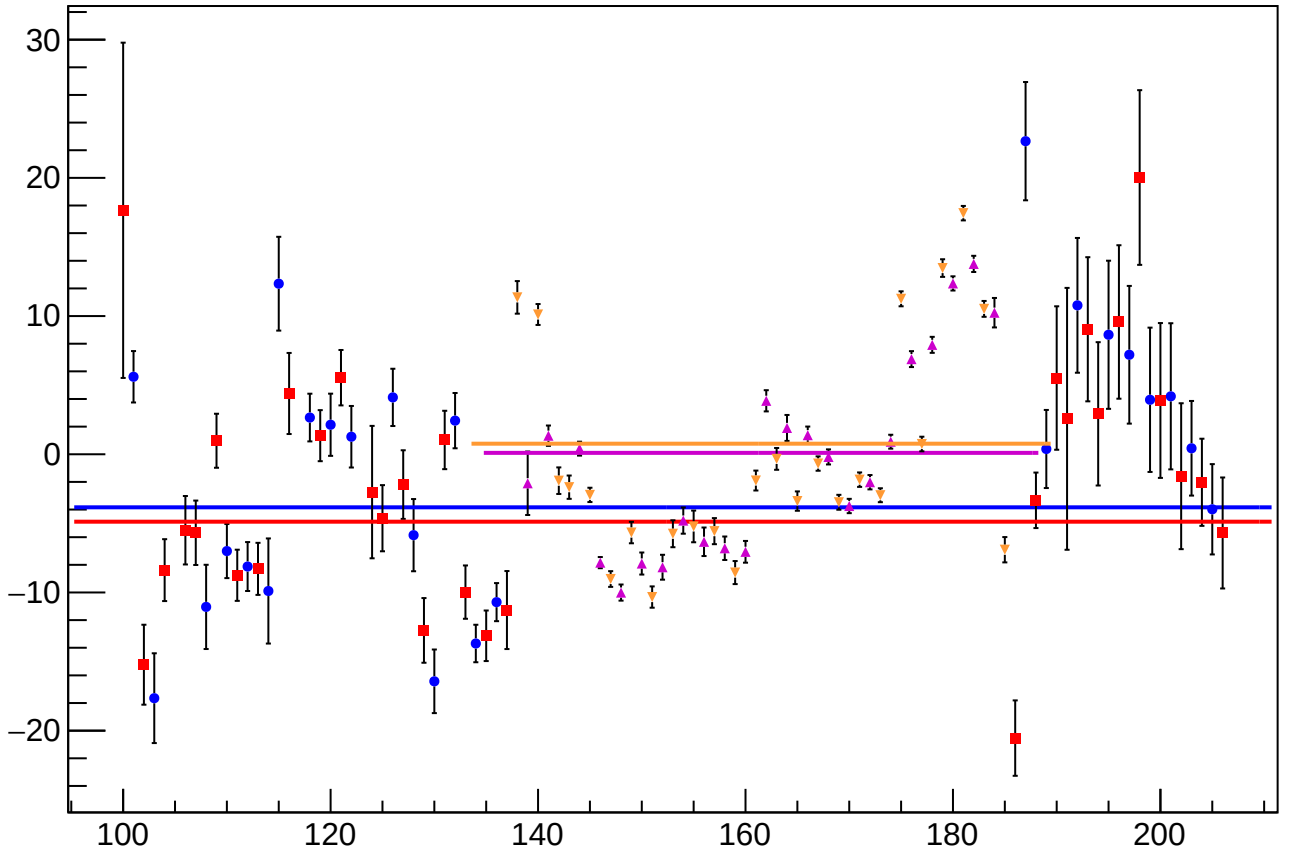
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

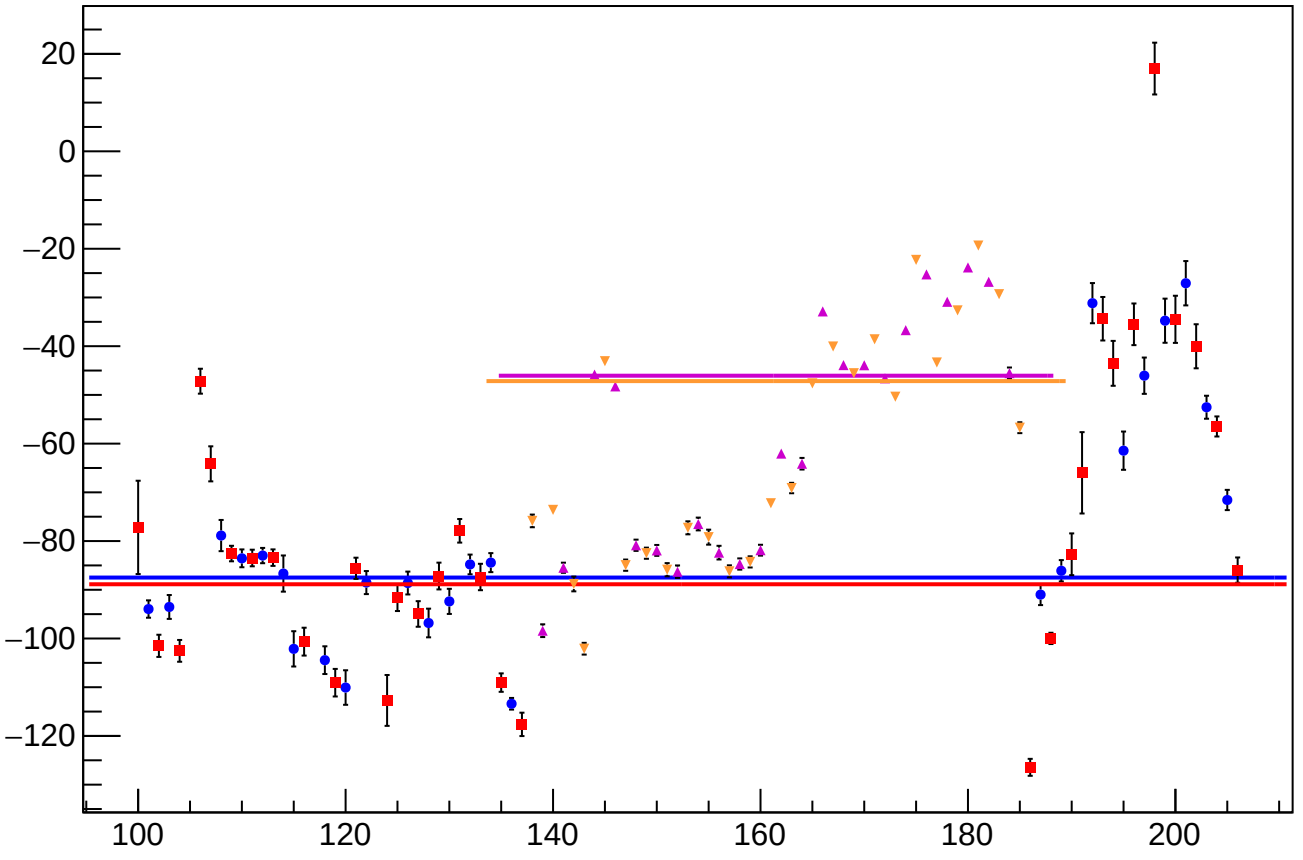
Right: -32.342+/-0.290 χ^2/NDF: 4526.9/55

In: -45.874+/-0.158 χ^2/NDF:9743.7/47

Out: -46.150+/-0.154 χ^2/NDF:13562.4/55

All: -46.016+/-0.110 χ^2/NDF: 23307.7/103


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.839+/-0.477 χ²/NDF: 308.3/24
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -4.878+/-0.475 χ²/NDF: 210.5/30
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.361+/-0.336 χ²/NDF: 521.2/55
In: -0.183+/-0.128 χ²/NDF:3093.5/47
Out: 0.358+/-0.127 χ²/NDF:3808.9/55
All: 0.089+/-0.090 χ²/NDF: 6911.4/103



Right In: -87.490+/-0.466 χ^2/NDF: 1566.3/24

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.867+/-0.439 χ^2/NDF: 2652.3/30

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

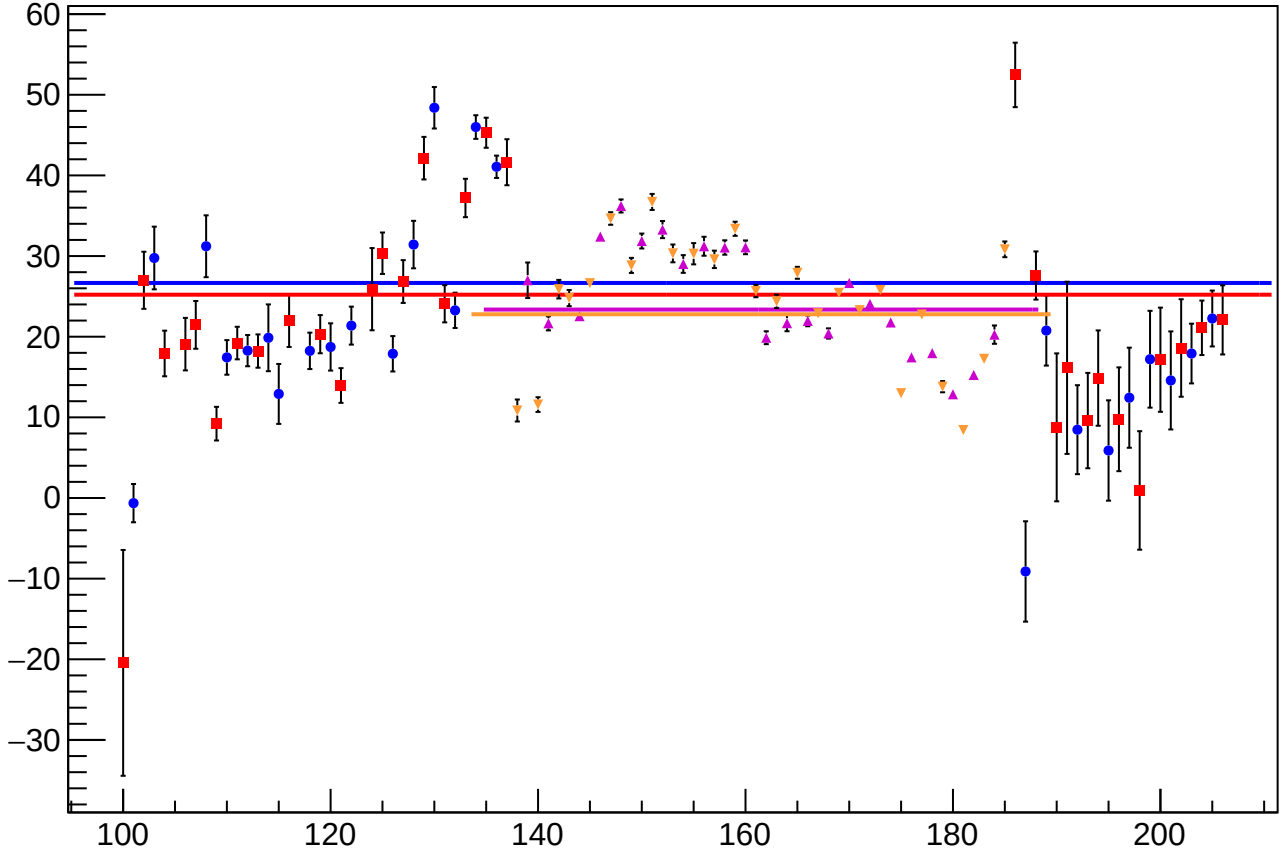
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.221+/-0.320 χ^2/NDF: 4223.3/55

In: -50.925+/-0.160 χ^2/NDF:23299.9/47

Out: -52.478+/-0.157 χ^2/NDF:28200.0/55

All: -51.718+/-0.112 χ^2/NDF: 51548.1/103



Right In: 26.665+/-0.537 χ^2/NDF: 665.0/24

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.208+/-0.546 χ^2/NDF: 437.4/30

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

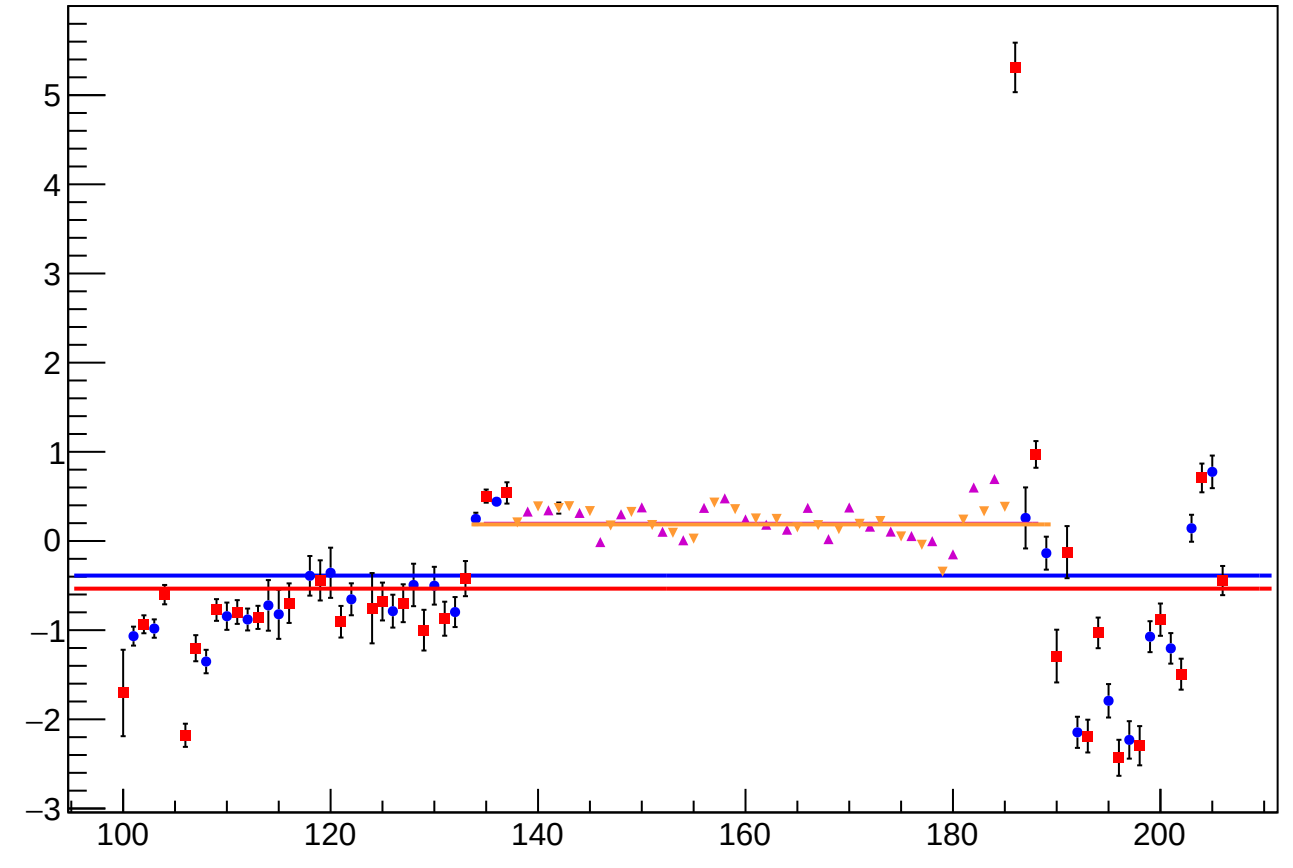
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.948+/-0.383 χ^2/NDF: 1106.0/55

In: 23.601+/-0.143 χ^2/NDF:2485.4/47

Out: 22.947+/-0.142 χ^2/NDF:2868.7/55

All: 23.271+/-0.101 χ^2/NDF: 5364.6/103



Right In: -0.388+/-0.027 χ^2/NDF: 799.9/24

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.534+/-0.028 χ^2/NDF: 1398.9/30

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

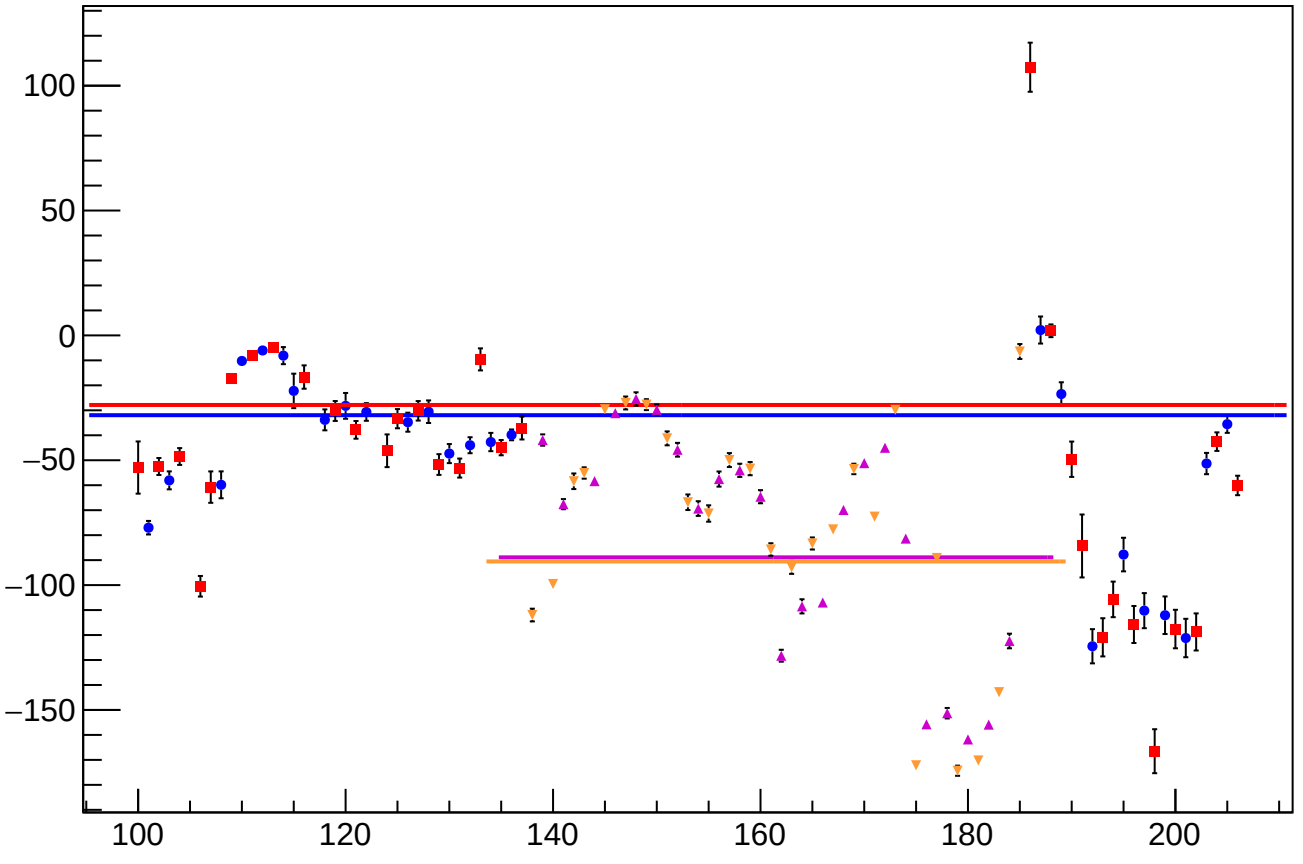
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.459+/-0.020 χ^2/NDF: 2212.6/55

In: 0.161+/-0.006 χ^2/NDF:2161.4/47

Out: 0.149+/-0.006 χ^2/NDF:2663.0/55

All: 0.155+/-0.005 χ^2/NDF: 4826.0/103



Right In: -31.955+/-0.674 χ^2/NDF: 1612.8/24

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.862+/-0.608 χ^2/NDF: 2395.6/30

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

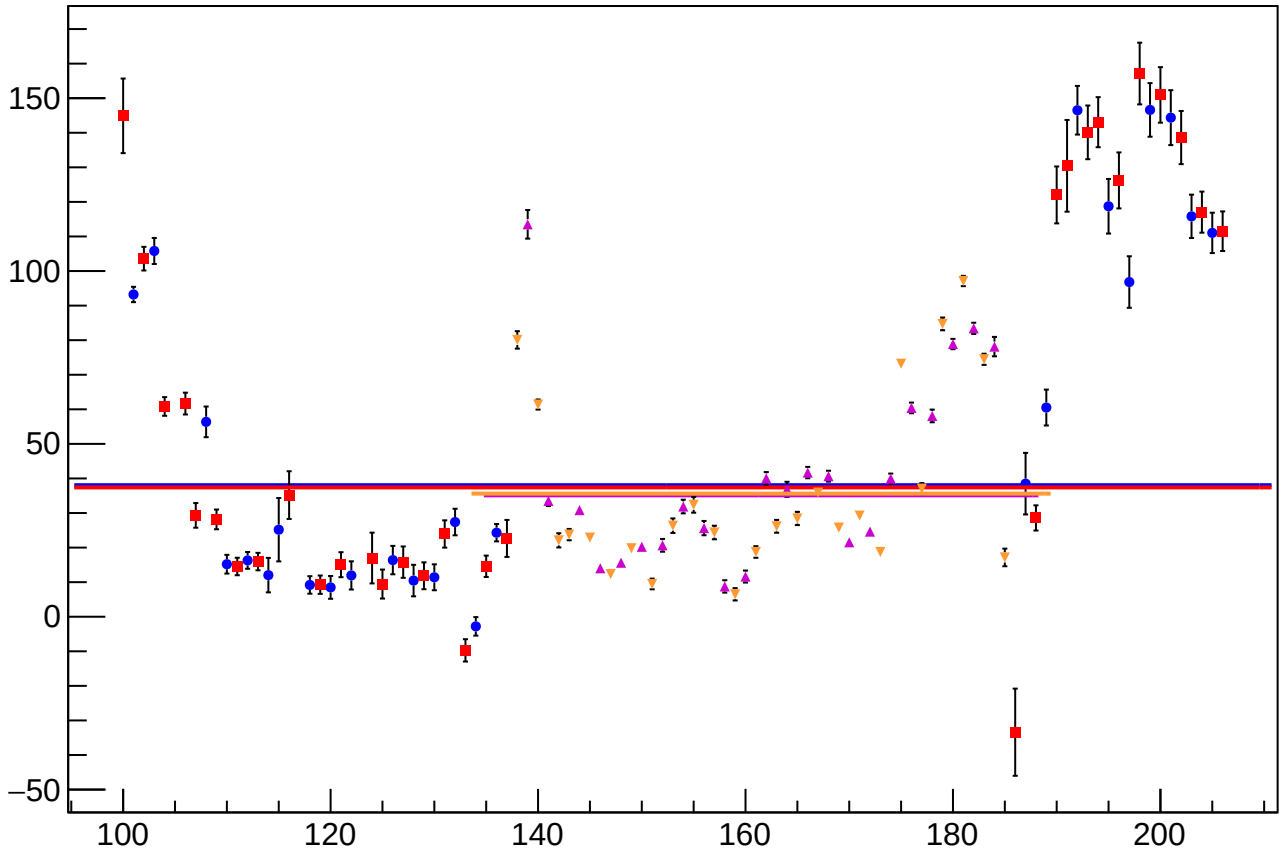
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -29.699+/-0.451 χ^2/NDF: 4028.8/55

In: -72.159+/-0.365 χ^2/NDF:18473.1/47

Out: -70.194+/-0.346 χ^2/NDF:24936.6/55

All: -71.125+/-0.251 χ^2/NDF: 43425.0/103



Right In: 38.054+/-0.761 χ^2/NDF: 2883.0/24

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 37.408+/-0.739 χ^2/NDF: 2932.7/30

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

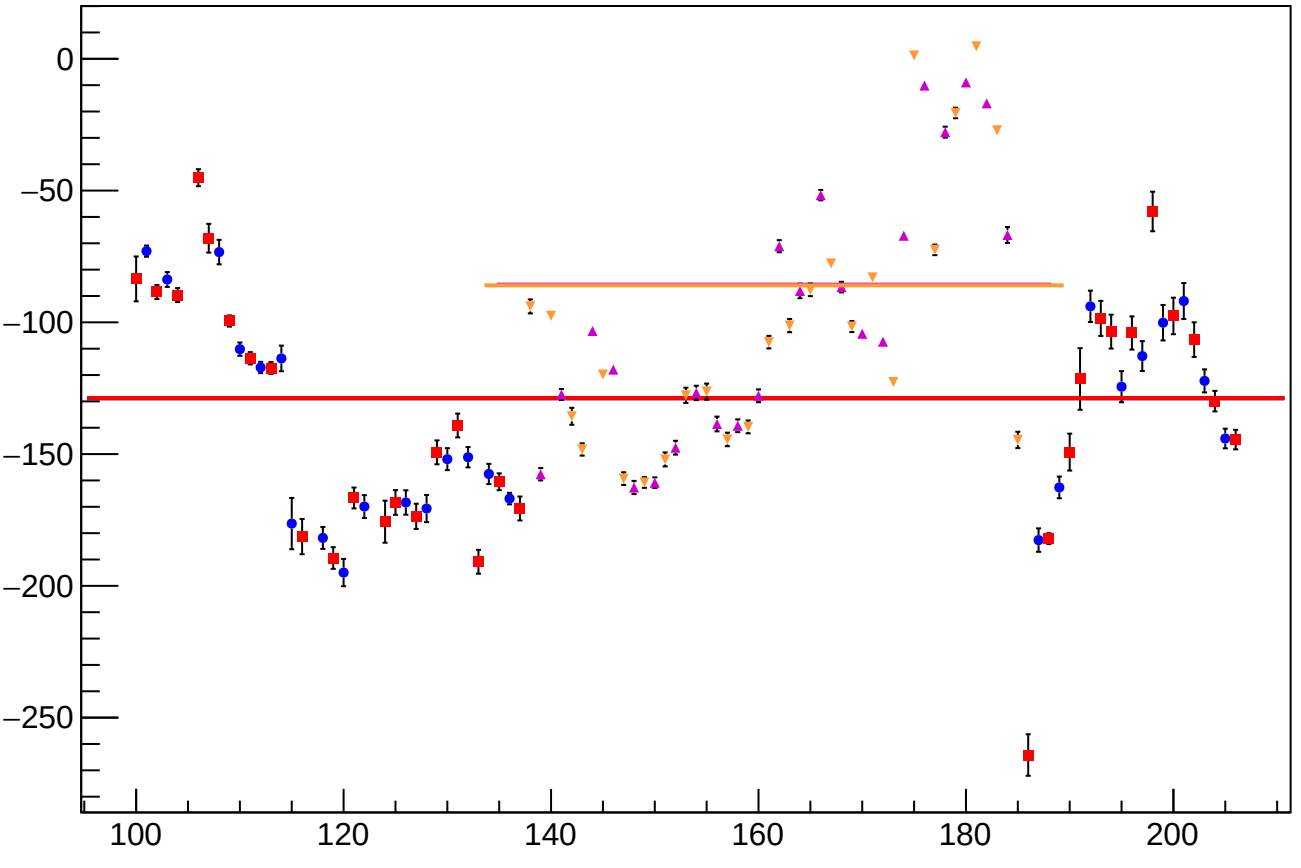
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 37.722+/-0.530 χ^2/NDF: 5816.1/55

In: 35.592+/-0.308 χ^2/NDF:7040.0/47

Out: 35.904+/-0.298 χ^2/NDF:8910.7/55

All: 35.753+/-0.214 χ^2/NDF: 15951.2/103



Right In: -128.857+/-0.741 χ^2/NDF: 2504.9/24

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.715+/-0.686 χ^2/NDF: 3652.5/30

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

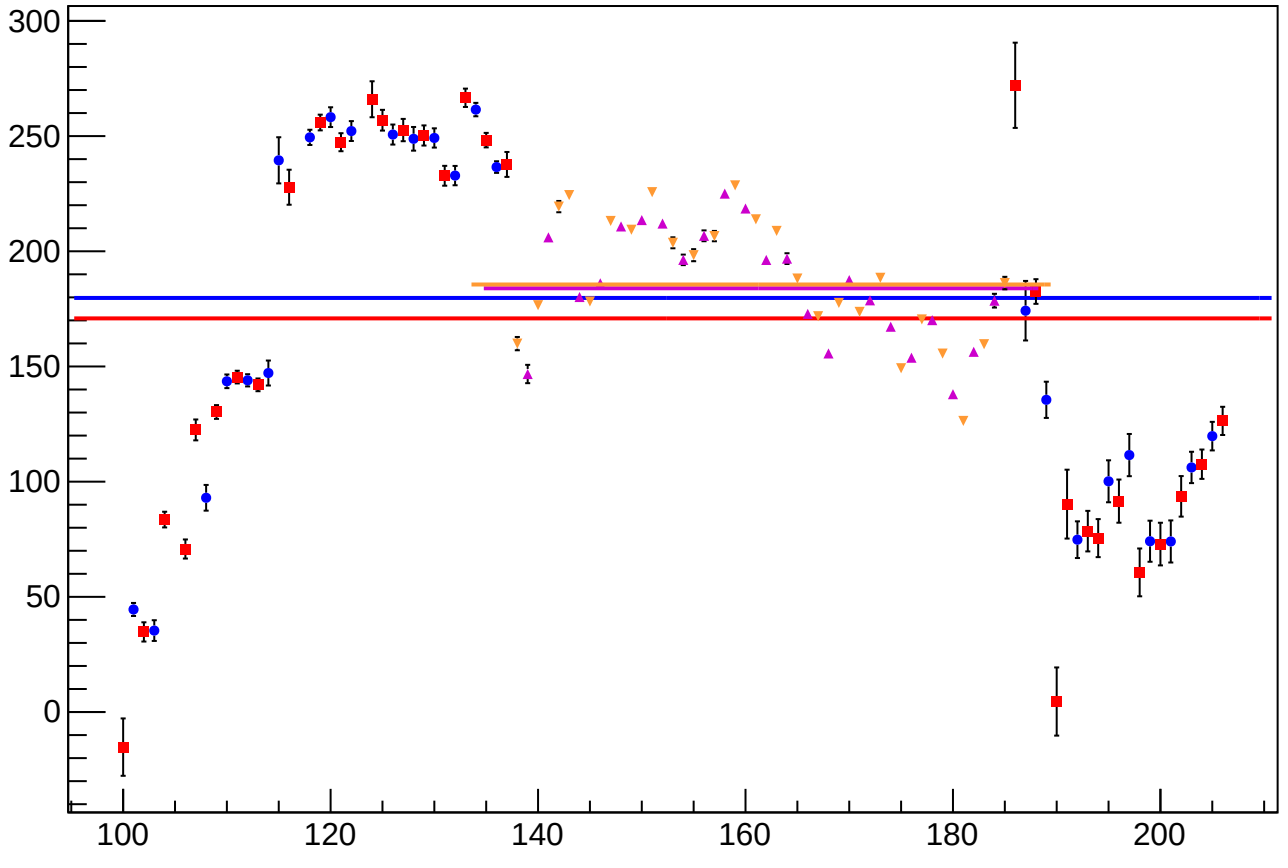
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -128.780+/-0.504 χ^2/NDF: 6157.5/55

In: -96.660+/-0.374 χ^2/NDF:18791.1/47

Out: -97.647+/-0.359 χ^2/NDF:22704.1/55

All: -97.174+/-0.259 χ^2/NDF: 41498.8/103



Right In: 179.746+/-0.870 χ^2/NDF: 8023.5/24

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.870+/-0.850 χ^2/NDF: 7707.1/30

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

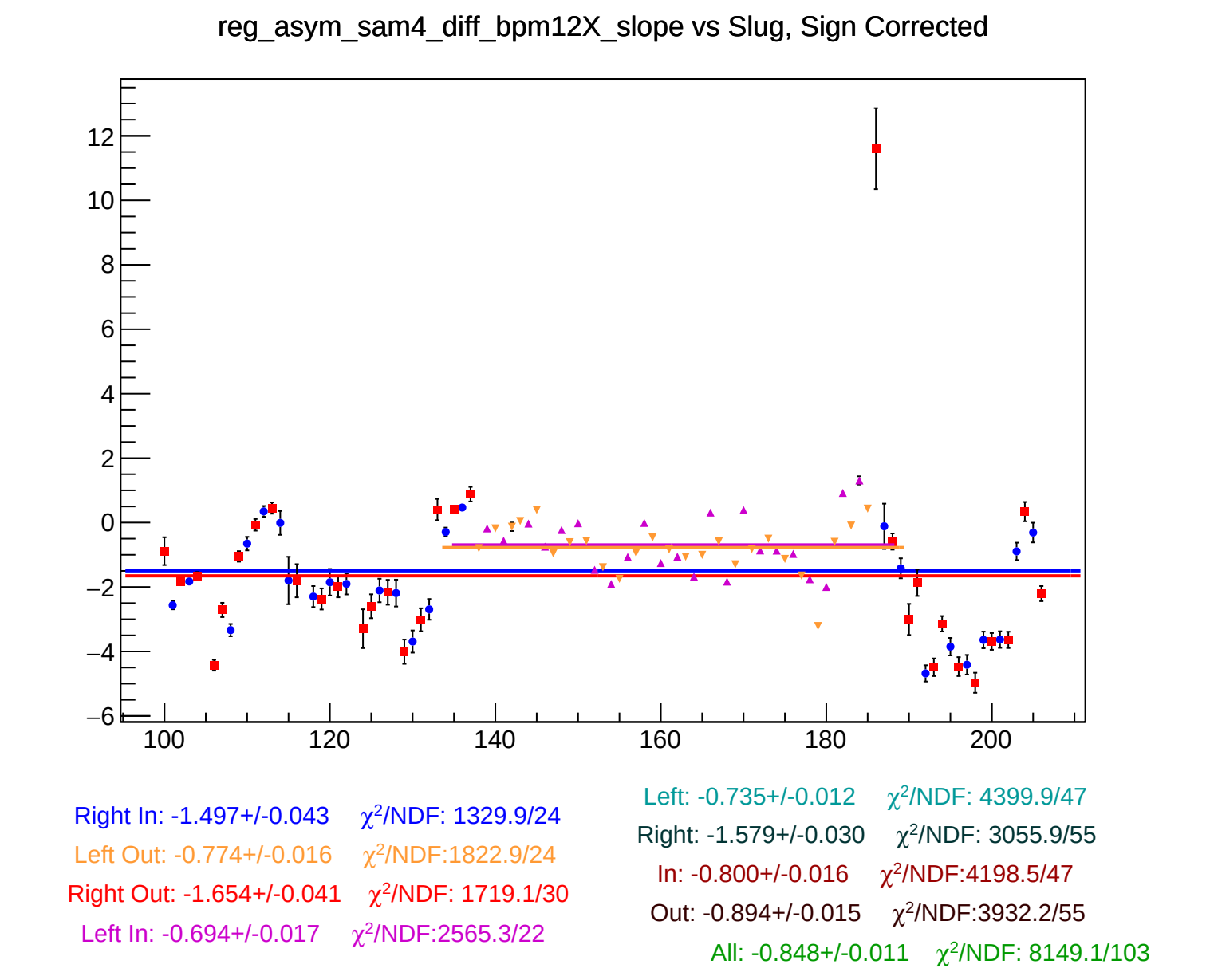
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

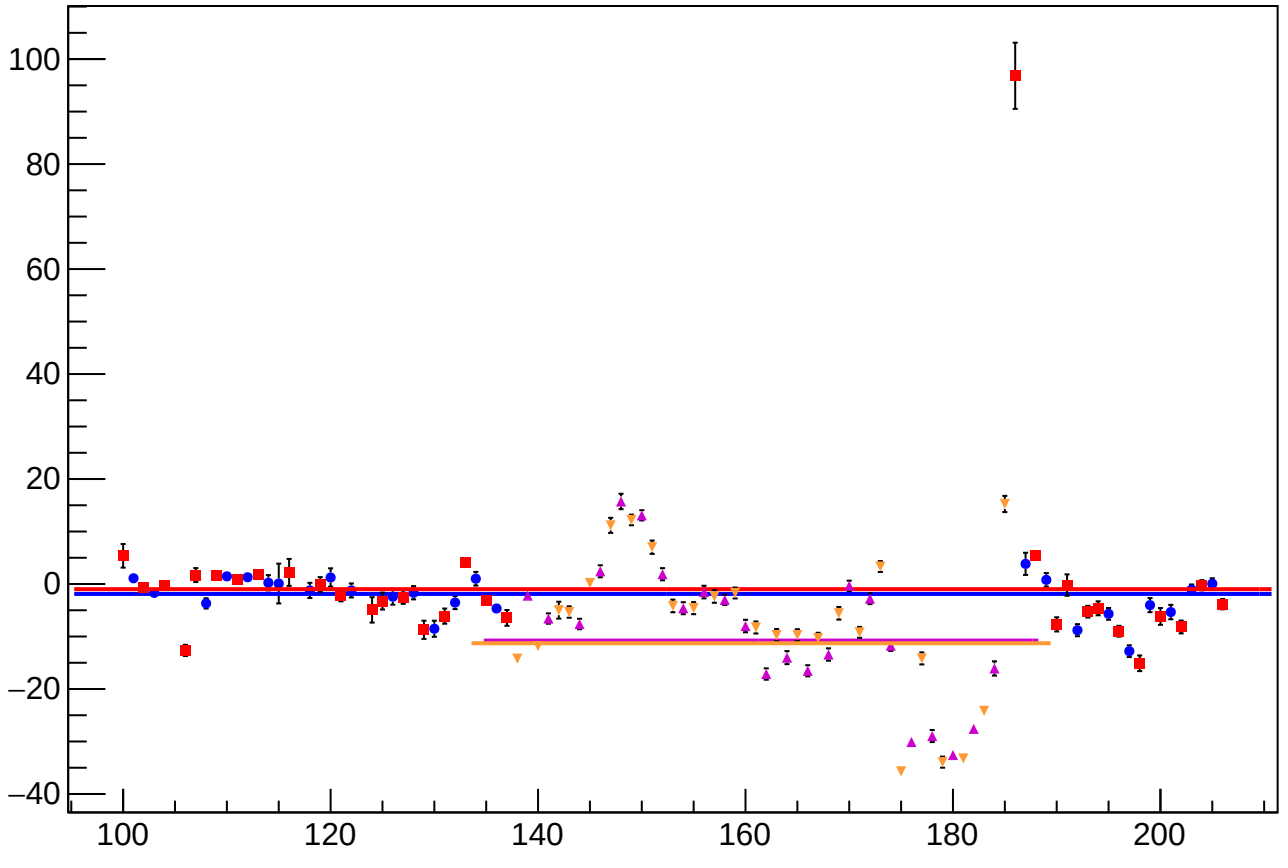
Right: 175.204+/-0.608 χ^2/NDF: 15783.8/55

In: 183.275+/-0.346 χ^2/NDF:11916.5/47

Out: 183.275+/-0.337 χ^2/NDF:13314.4/55

All: 183.275+/-0.241 χ^2/NDF: 25230.9/103


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -1.497+/-0.043 χ²/NDF: 1329.9/24
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.654+/-0.041 χ²/NDF: 1719.1/30
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.579+/-0.030 χ²/NDF: 3055.9/55
In: -0.800+/-0.016 χ²/NDF:4198.5/47
Out: -0.894+/-0.015 χ²/NDF:3932.2/55
All: -0.848+/-0.011 χ²/NDF: 8149.1/103



Right In: -1.888+/-0.214 χ^2/NDF: 283.1/24

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.981+/-0.185 χ^2/NDF: 890.4/30

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

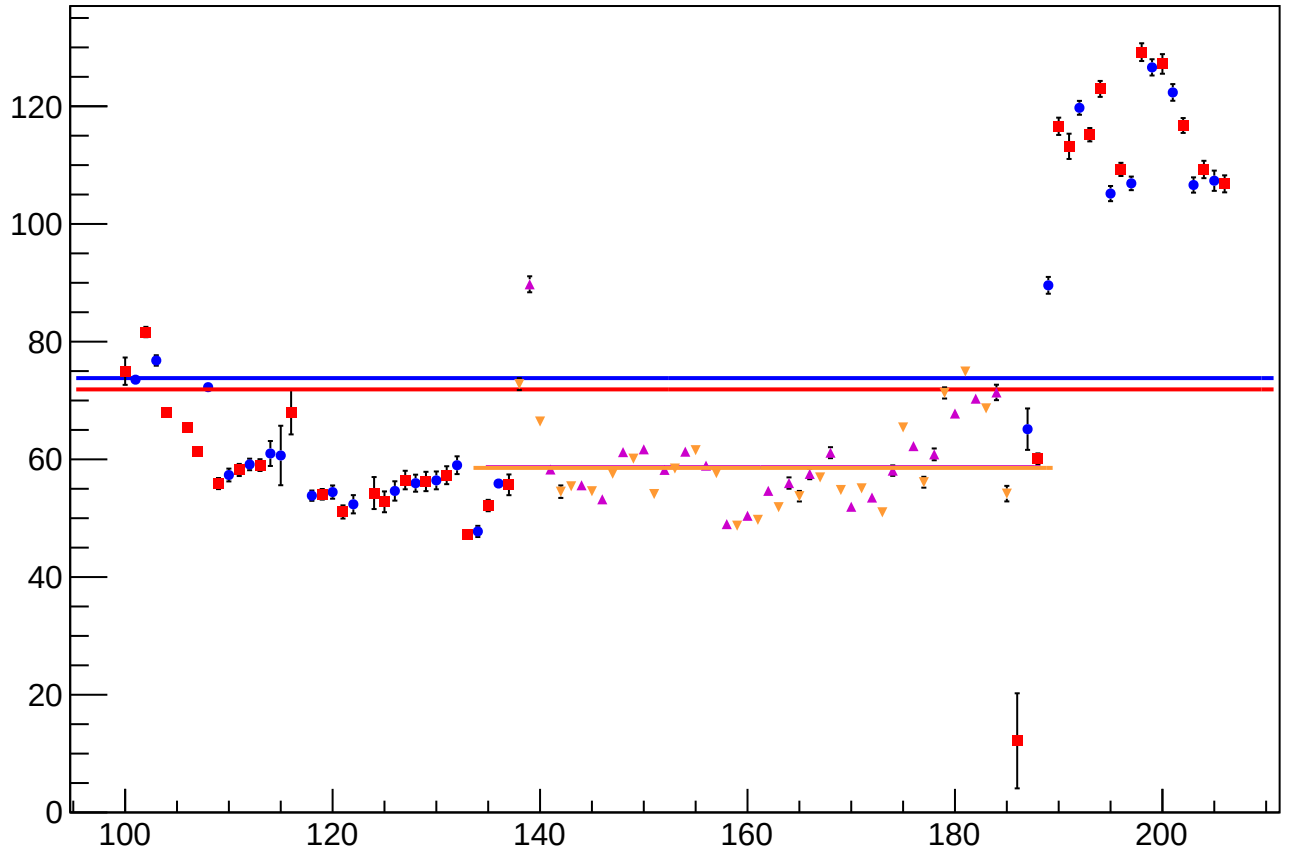
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.368+/-0.140 χ^2/NDF: 1183.8/55

In: -6.347+/-0.151 χ^2/NDF:4846.9/47

Out: -5.524+/-0.138 χ^2/NDF:6762.5/55

All: -5.899+/-0.102 χ^2/NDF: 11625.6/103



Right In: 73.806+/-0.231 χ^2/NDF: 9957.5/24

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.887+/-0.208 χ^2/NDF: 14651.1/30

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

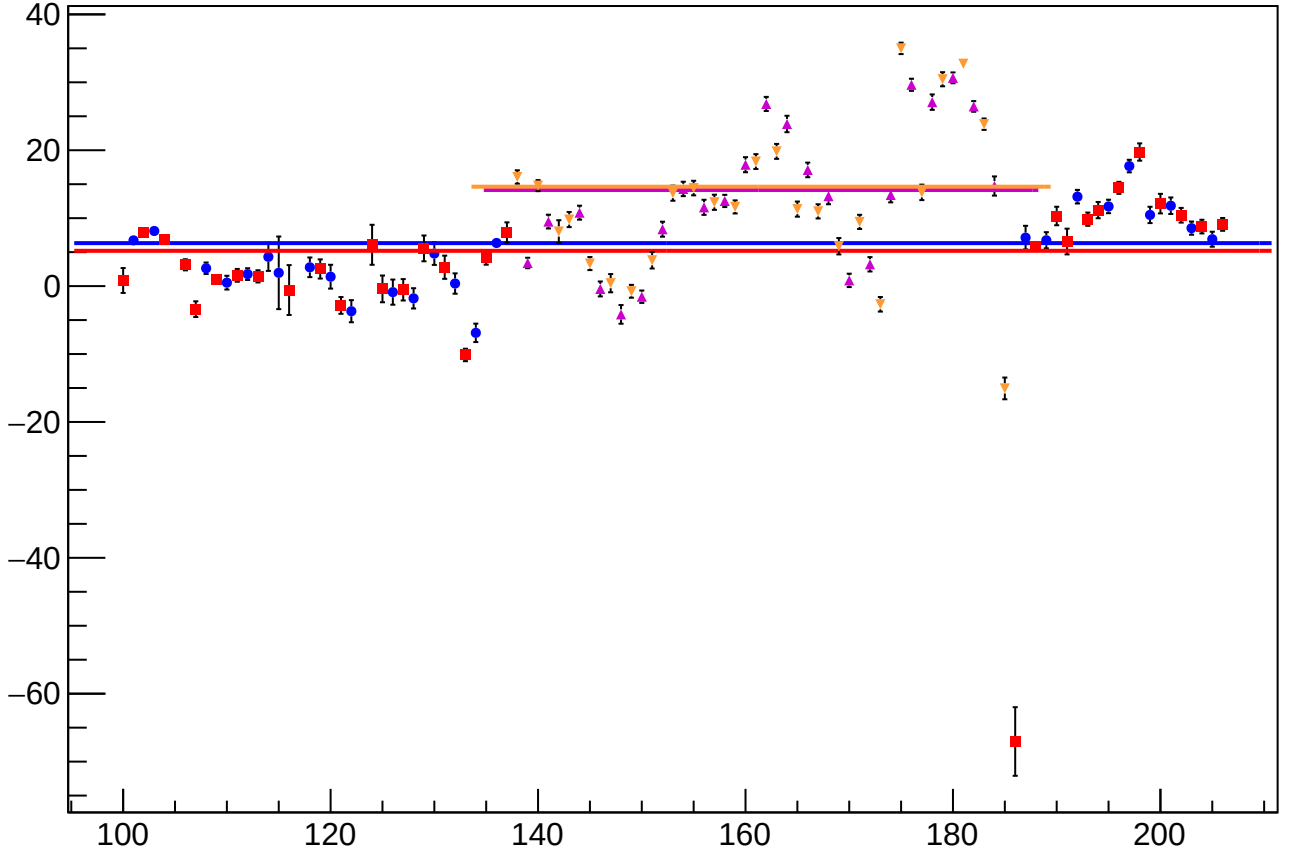
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 72.747+/-0.154 χ^2/NDF: 24646.8/55

In: 63.937+/-0.136 χ^2/NDF:14376.7/47

Out: 63.559+/-0.127 χ^2/NDF:19125.4/55

All: 63.735+/-0.093 χ^2/NDF: 33506.2/103



Right In: 6.327+/-0.215 χ^2/NDF: 562.0/24

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.196+/-0.188 χ^2/NDF: 1100.2/30

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

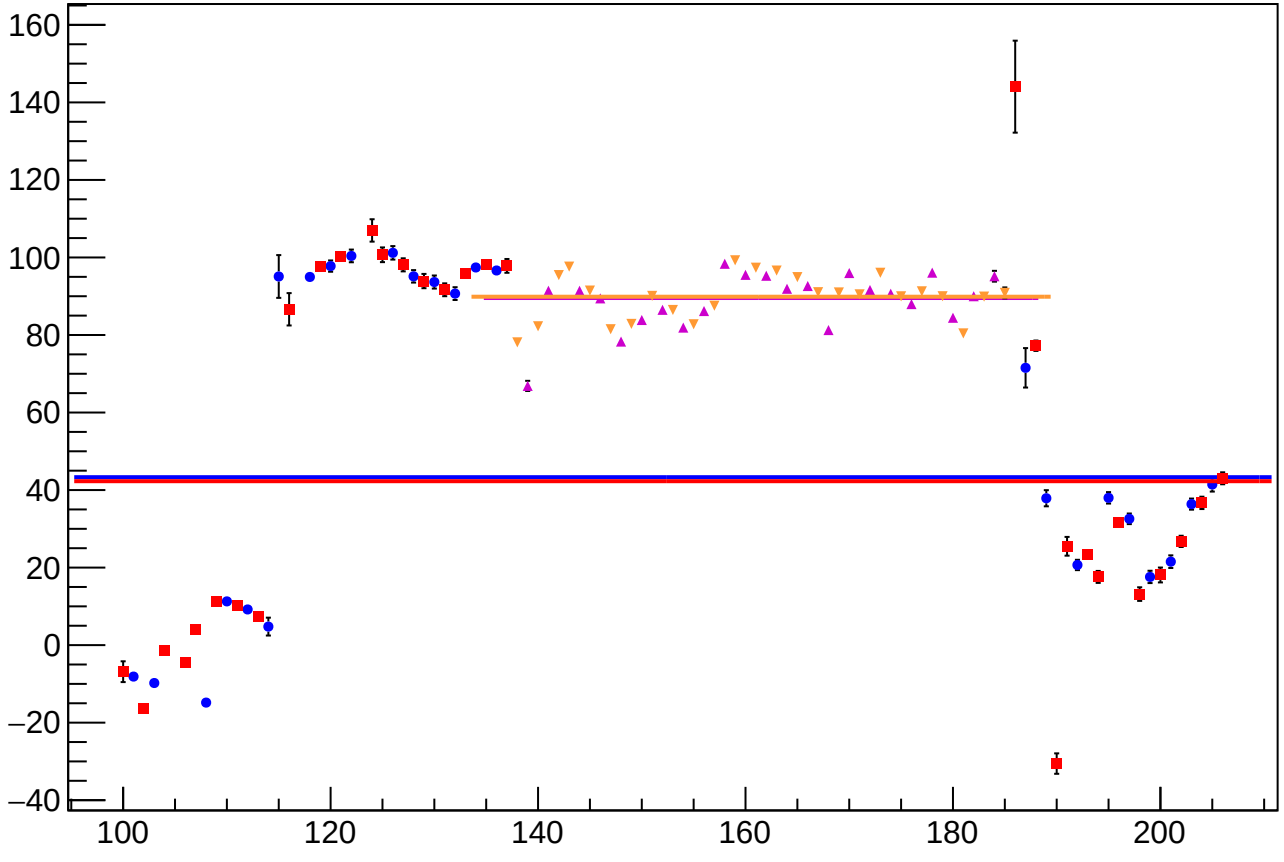
Right: 5.685+/-0.141 χ^2/NDF: 1677.8/55

In: 10.301+/-0.151 χ^2/NDF:3776.7/47

Out: 9.460+/-0.139 χ^2/NDF:5205.3/55

All: 9.846+/-0.102 χ^2/NDF: 8998.9/103

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.322+/-0.268 χ^2/NDF: 27931.9/24

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.286+/-0.244 χ^2/NDF: 31737.3/30

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

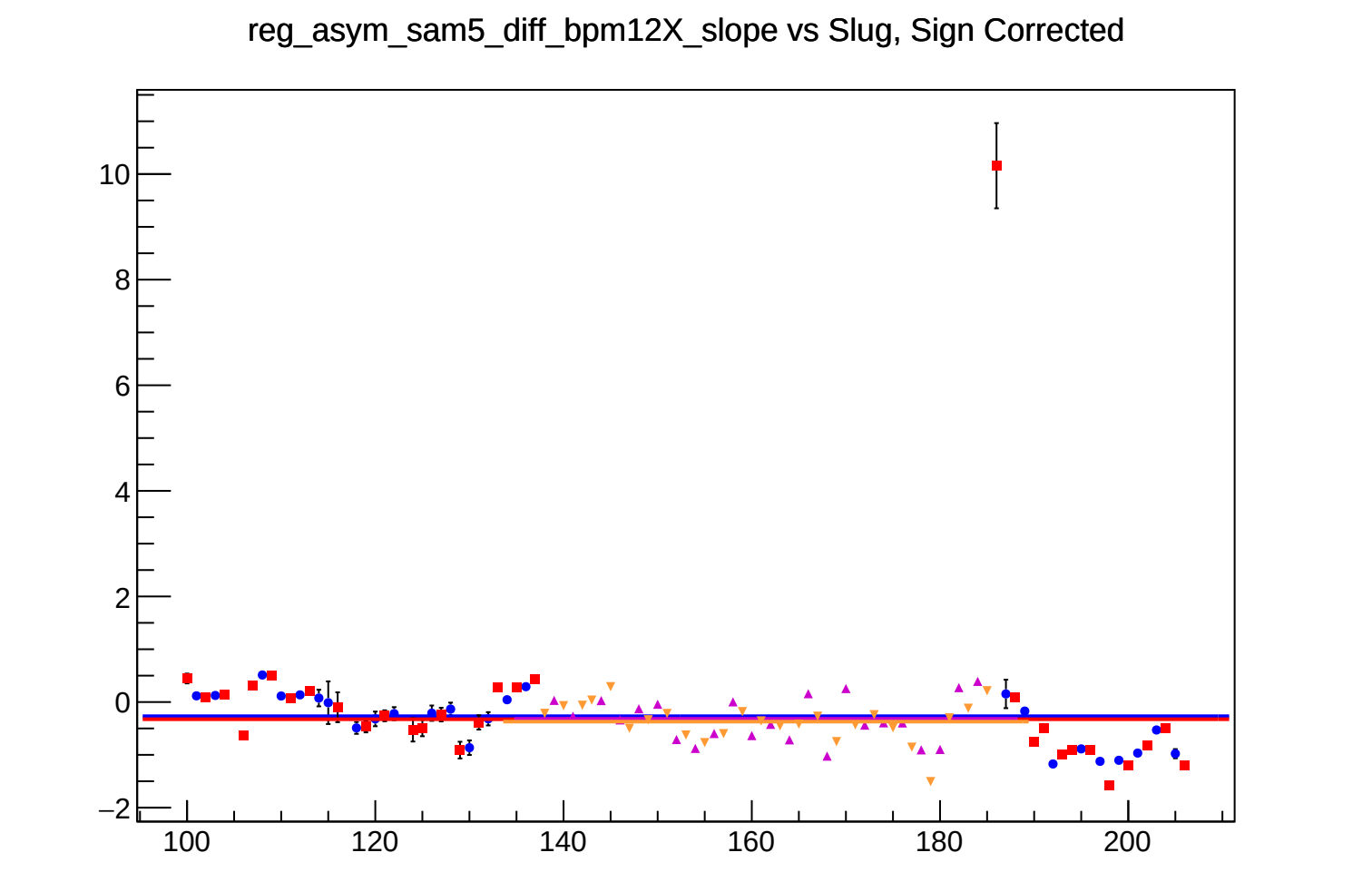
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 42.756+/-0.181 χ^2/NDF: 59677.4/55

In: 74.349+/-0.154 χ^2/NDF:48993.0/47

Out: 73.011+/-0.145 χ^2/NDF:57293.9/55

All: 73.643+/-0.106 χ^2/NDF: 106326.9/103



Right In: -0.268+/-0.011 χ^2/NDF: 2953.2/24

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.325+/-0.010 χ^2/NDF: 3684.8/30

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

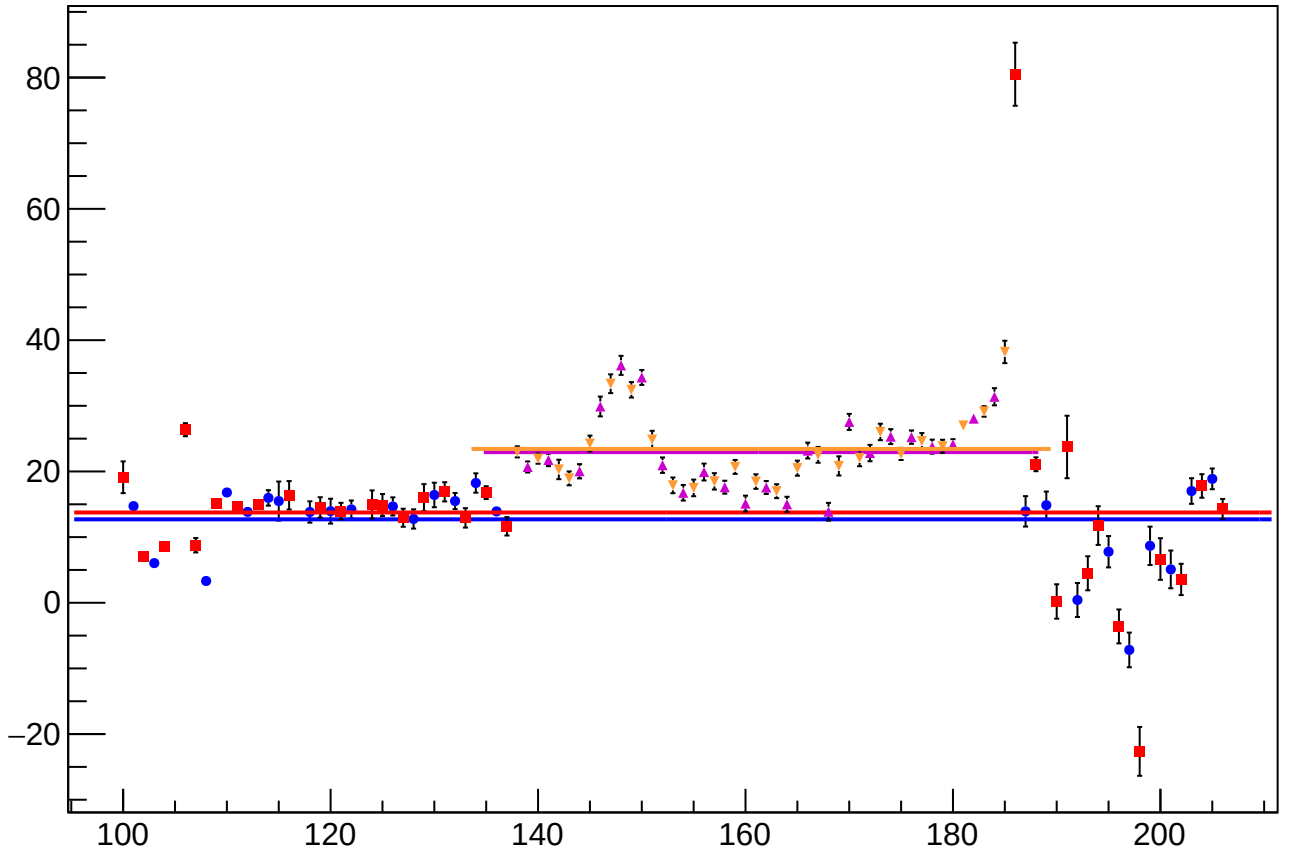
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.299+/-0.007 χ^2/NDF: 6652.6/55

In: -0.301+/-0.007 χ^2/NDF:5408.3/47

Out: -0.353+/-0.006 χ^2/NDF:5466.5/55

All: -0.328+/-0.005 χ^2/NDF: 10907.6/103



Right In: 12.708+/-0.206 χ^2/NDF: 502.3/24

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.753+/-0.194 χ^2/NDF: 858.6/30

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

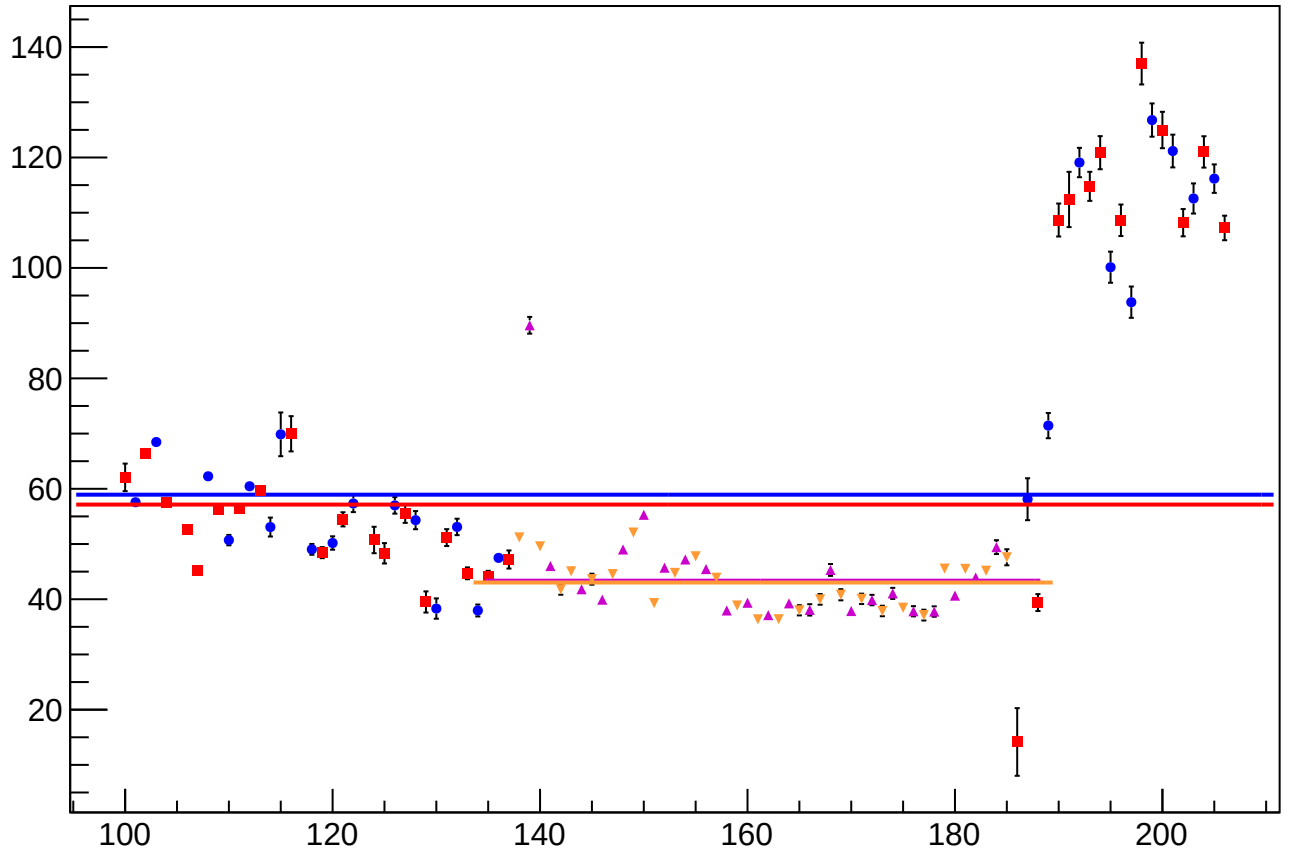
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

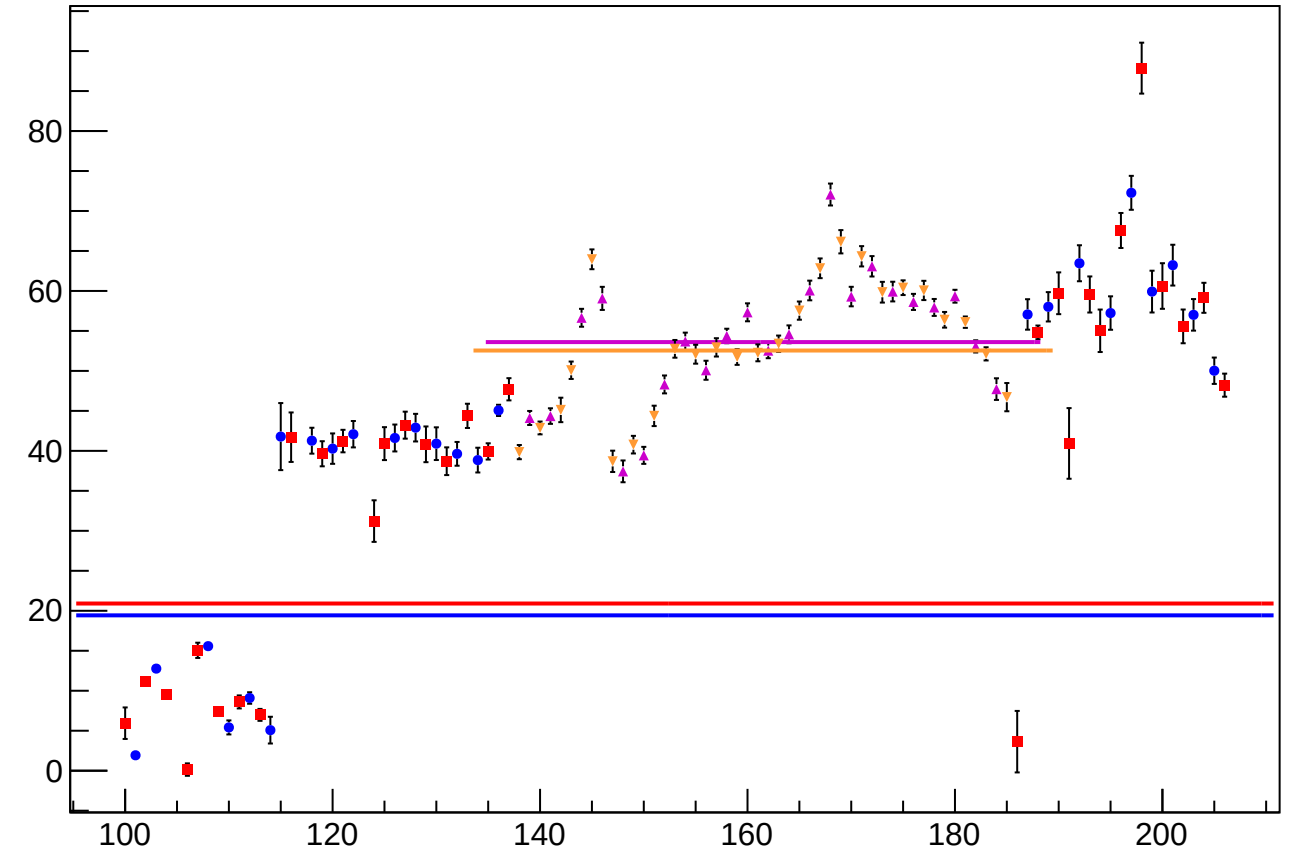
Right: 13.261+/-0.141 χ^2/NDF: 1374.6/55

In: 17.364+/-0.152 χ^2/NDF:2193.6/47

Out: 18.072+/-0.144 χ^2/NDF:2399.8/55

All: 17.736+/-0.105 χ^2/NDF: 4604.9/103


reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 58.935+/-0.216 χ²/NDF: 3948.5/24
Left Out: 43.029+/-0.167 χ²/NDF:780.7/24
Right Out: 57.144+/-0.216 χ²/NDF: 5353.8/30
Left In: 43.361+/-0.177 χ²/NDF:1683.3/22
Left: 43.186+/-0.122 χ²/NDF: 2465.8/47
Right: 58.040+/-0.153 χ²/NDF: 9336.8/55
In: 49.629+/-0.137 χ²/NDF:8745.6/47
Out: 48.327+/-0.132 χ²/NDF:8806.4/55
All: 48.955+/-0.095 χ²/NDF: 17598.8/103



Right In: 19.429+/-0.204 χ^2/NDF: 8906.9/24

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.909+/-0.203 χ^2/NDF: 8962.6/30

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

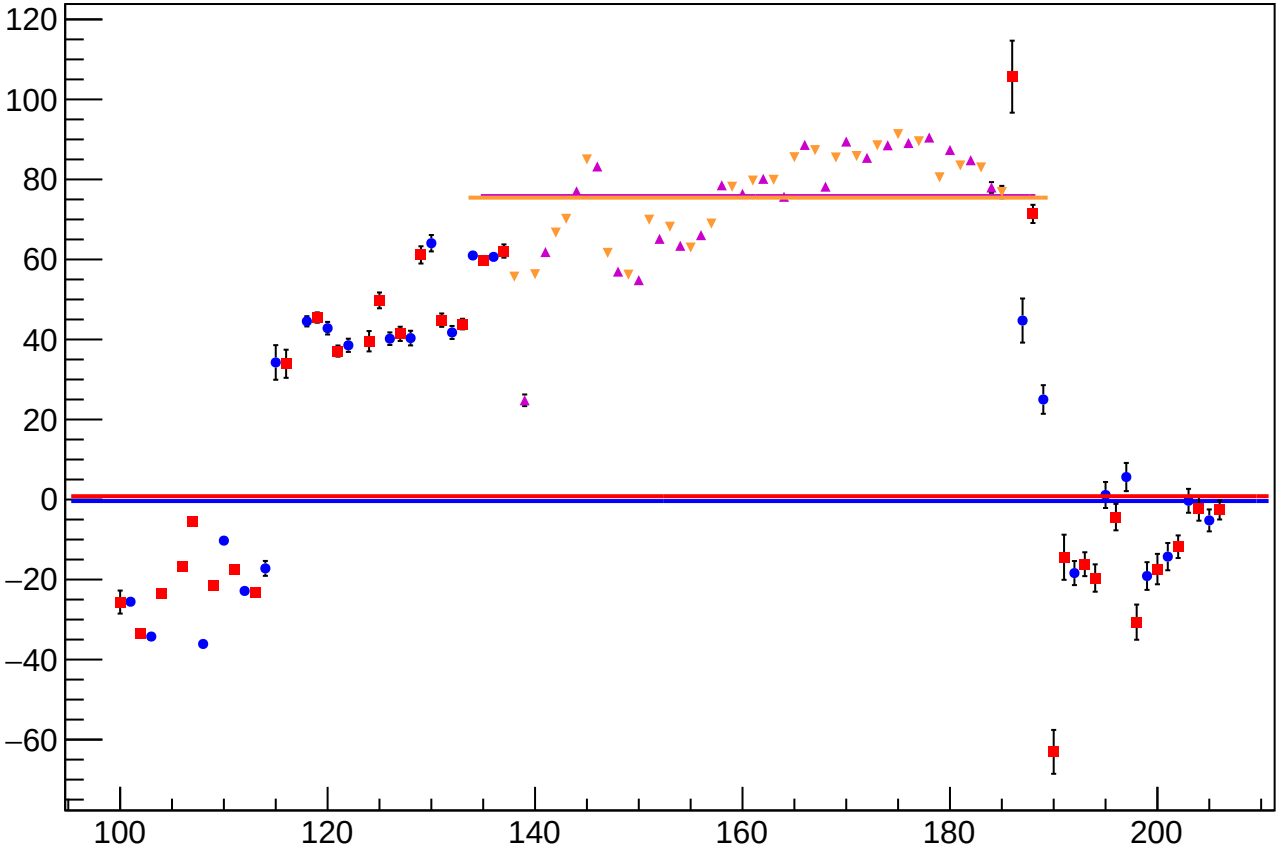
Right: 20.173+/-0.144 χ^2/NDF: 17895.8/55

In: 35.023+/-0.151 χ^2/NDF:22704.4/47

Out: 35.869+/-0.148 χ^2/NDF:21611.6/55

All: 35.454+/-0.105 χ^2/NDF: 44332.1/103

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.384+/-0.254 χ^2/NDF: 21236.2/24

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.829+/-0.254 χ^2/NDF: 17440.6/30

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

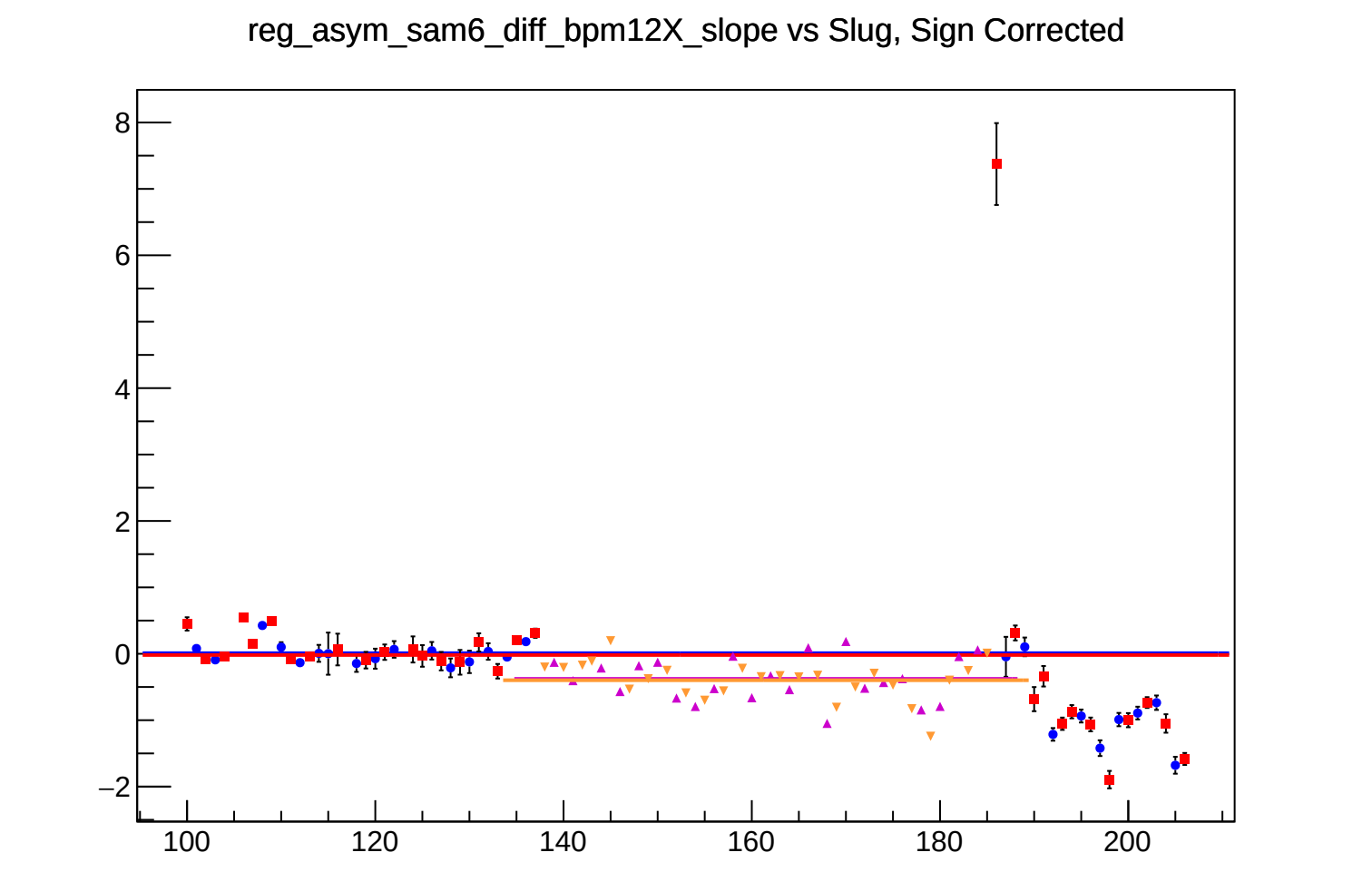
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.223+/-0.180 χ^2/NDF: 38688.2/55

In: 47.228+/-0.156 χ^2/NDF:81561.4/47

Out: 48.996+/-0.151 χ^2/NDF:76553.2/55

All: 48.139+/-0.109 χ^2/NDF: 158180.8/103



Right In: 0.009+/-0.011 χ^2/NDF: 1177.6/24

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.018+/-0.011 χ^2/NDF: 1681.2/30

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

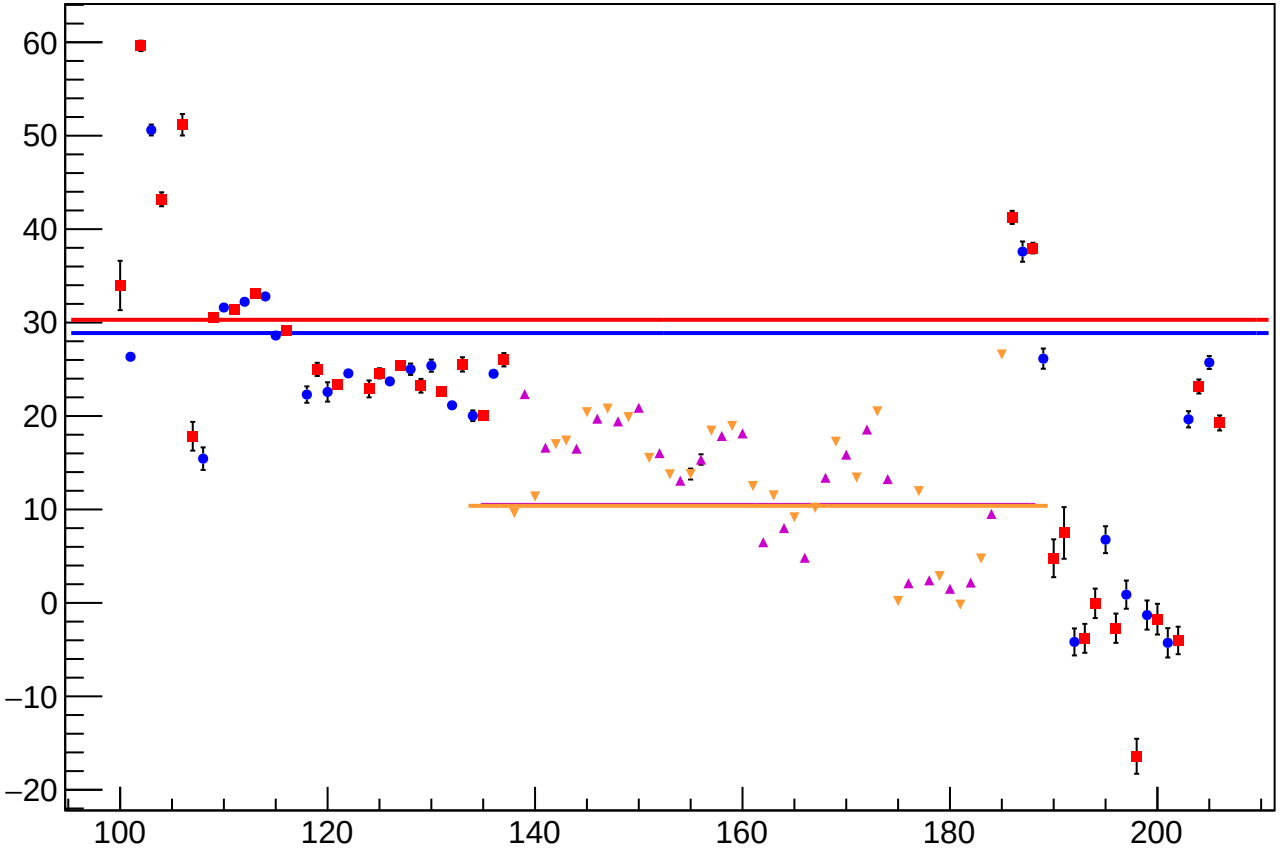
Right: -0.005+/-0.008 χ^2/NDF: 2862.1/55

In: -0.227+/-0.007 χ^2/NDF:3318.6/47

Out: -0.254+/-0.007 χ^2/NDF:3486.3/55

All: -0.241+/-0.005 χ^2/NDF: 6813.3/103

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 28.879+/-0.089 χ^2/NDF: 5552.7/24

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.299+/-0.077 χ^2/NDF: 8890.9/30

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

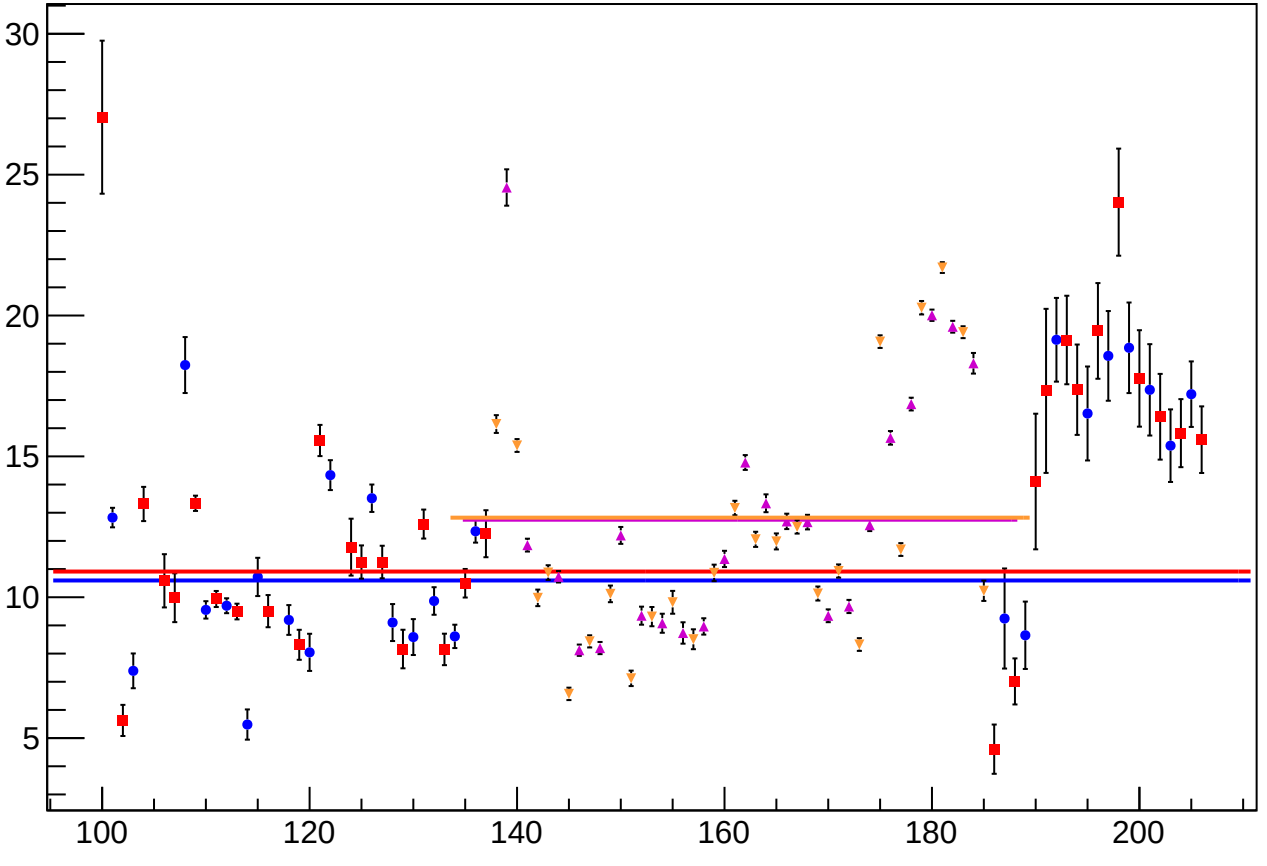
Right: 29.689+/-0.058 χ^2/NDF: 14588.0/55

In: 17.091+/-0.053 χ^2/NDF:44278.1/47

Out: 18.490+/-0.049 χ^2/NDF:61900.7/55

All: 17.846+/-0.036 χ^2/NDF: 106548.1/103

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.595+/-0.111 χ^2/NDF: 572.2/24

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.912+/-0.108 χ^2/NDF: 676.5/30

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

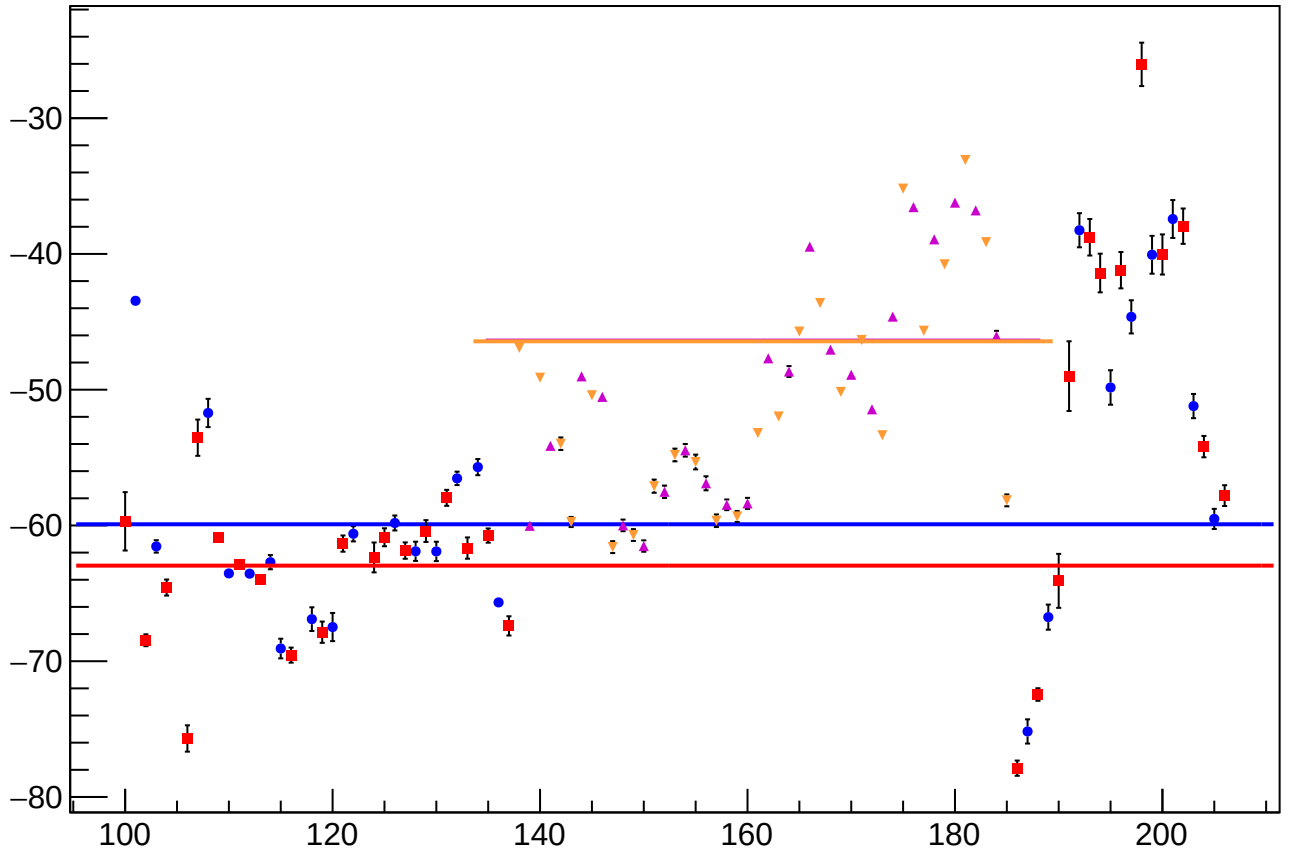
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.757+/-0.078 χ^2/NDF: 1252.9/55

In: 12.352+/-0.048 χ^2/NDF:6382.9/47

Out: 12.477+/-0.046 χ^2/NDF:8947.9/55

All: 12.417+/-0.033 χ^2/NDF: 15334.4/103



Right In: -59.913+/-0.107 χ^2/NDF: 5036.2/24

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.959+/-0.099 χ^2/NDF: 4131.0/30

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

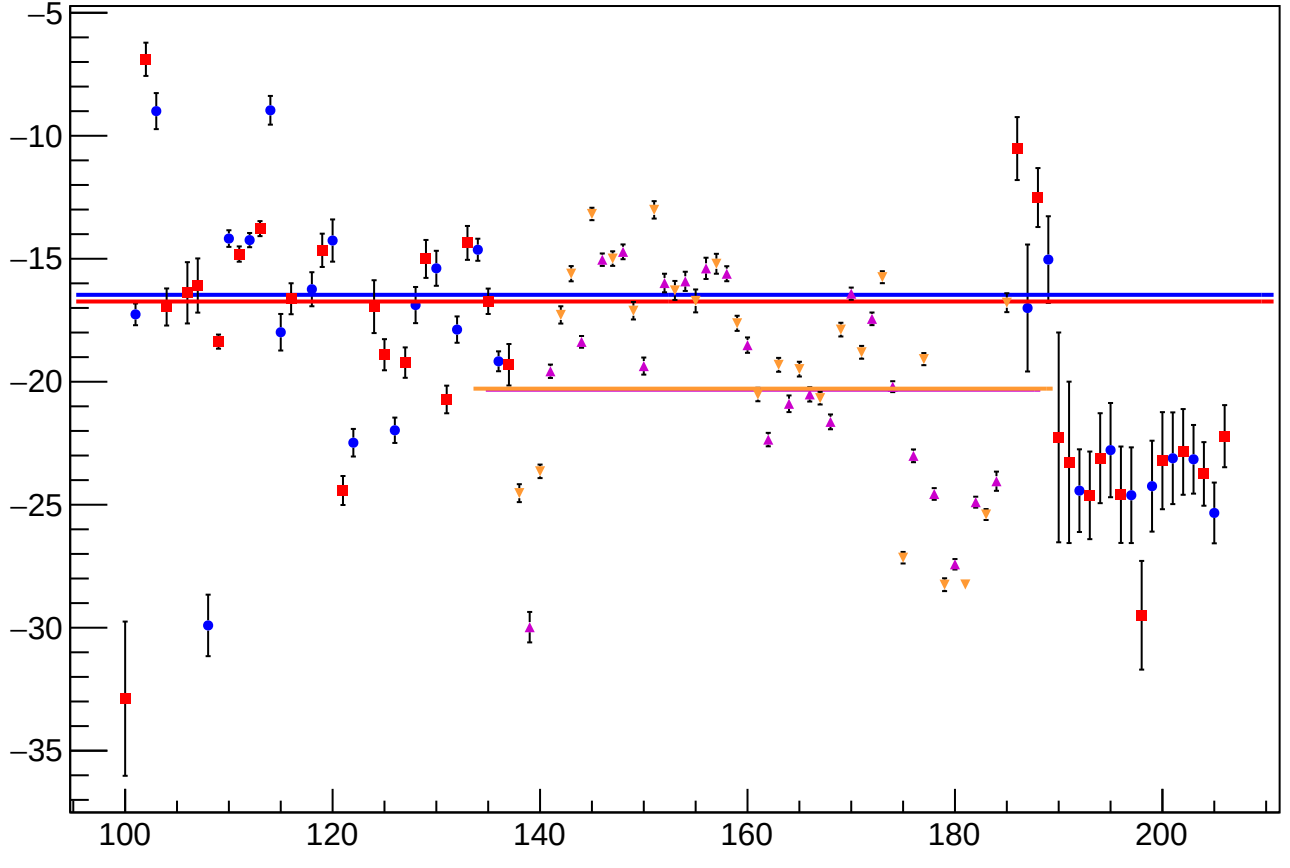
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

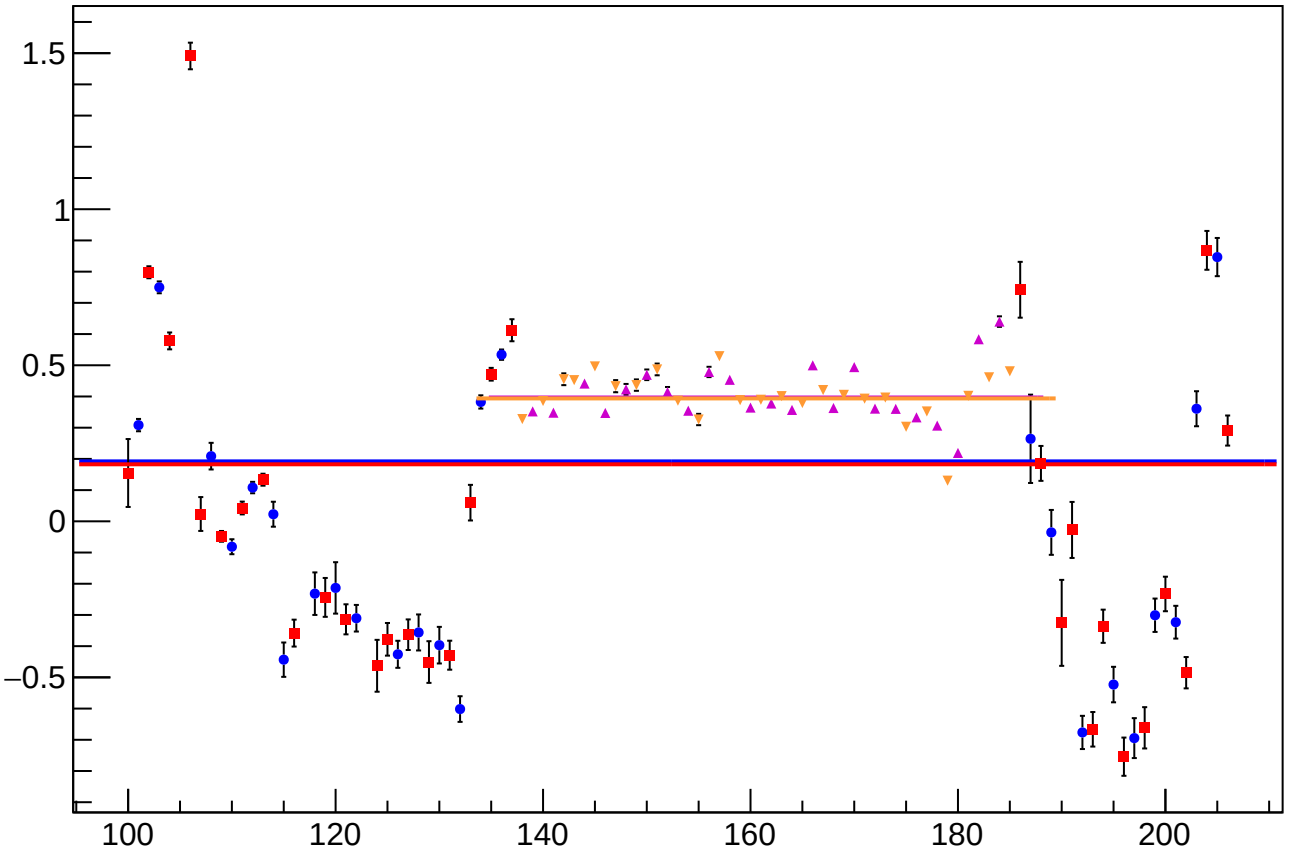
Right: -61.556+/-0.073 χ^2/NDF: 9601.5/55

In: -50.159+/-0.057 χ^2/NDF:31566.4/47

Out: -51.335+/-0.054 χ^2/NDF:41808.8/55

All: -50.775+/-0.039 χ^2/NDF: 73600.6/103


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
Right In: -16.466+/-0.124 χ²/NDF: 959.8/24
Left Out: -20.281+/-0.057 χ²/NDF:7019.5/24
Right Out: -16.738+/-0.121 χ²/NDF: 882.0/30
Left In: -20.324+/-0.059 χ²/NDF:4272.7/22
Left: -20.302+/-0.041 χ²/NDF: 11292.4/47
Right: -16.606+/-0.086 χ²/NDF: 1844.3/55
In: -19.611+/-0.053 χ²/NDF:6020.6/47
Out: -19.633+/-0.052 χ²/NDF:8606.6/55
All: -19.623+/-0.037 χ²/NDF: 14627.2/103



Right In: 0.192+/-0.007 χ^2/NDF: 3606.3/24

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.183+/-0.007 χ^2/NDF: 4797.1/30

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

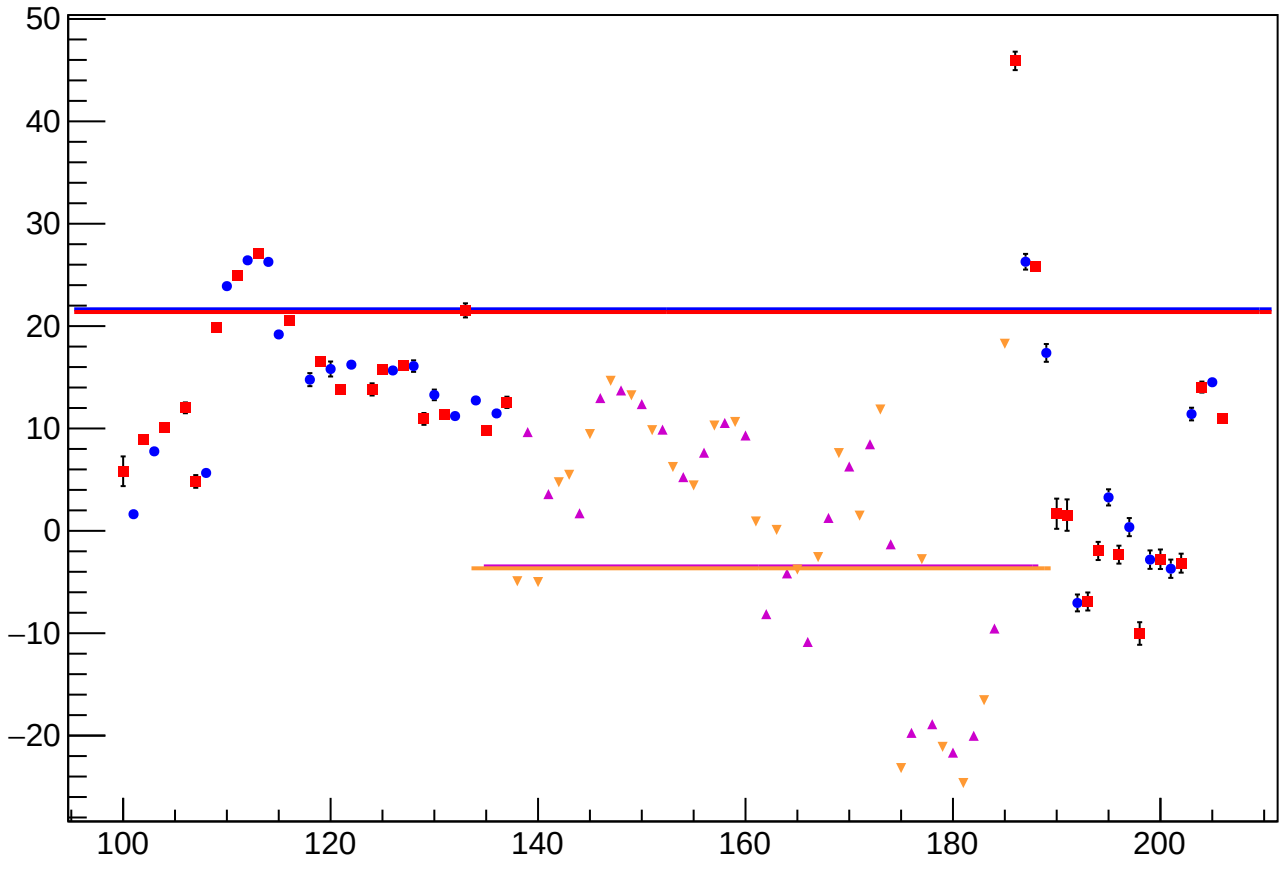
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.187+/-0.005 χ^2/NDF: 8404.5/55

In: 0.369+/-0.002 χ^2/NDF:5717.2/47

Out: 0.366+/-0.002 χ^2/NDF:6637.2/55

All: 0.368+/-0.002 χ^2/NDF: 12355.2/103



Right In: 21.639+/-0.055 χ^2/NDF: 16968.3/24

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.375+/-0.045 χ^2/NDF: 17446.8/30

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

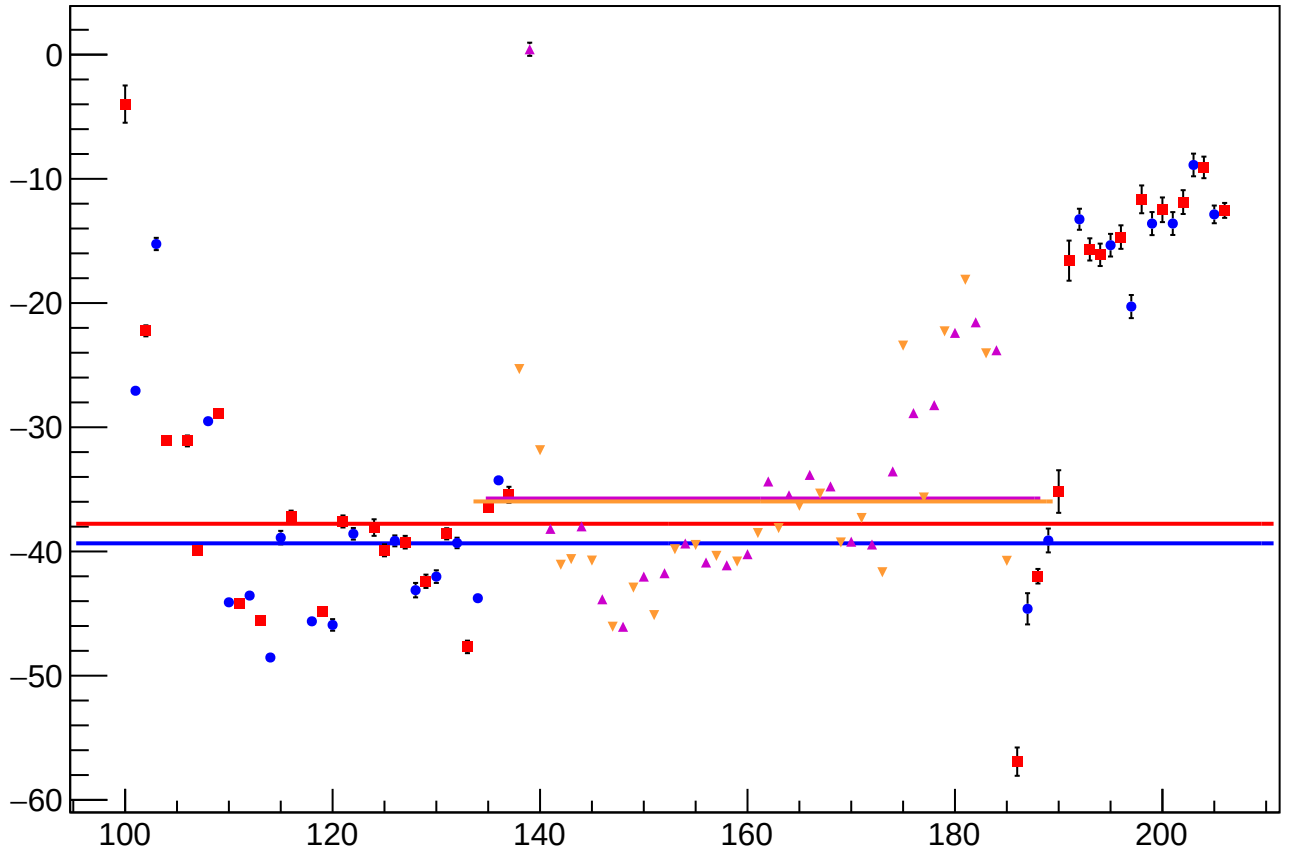
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

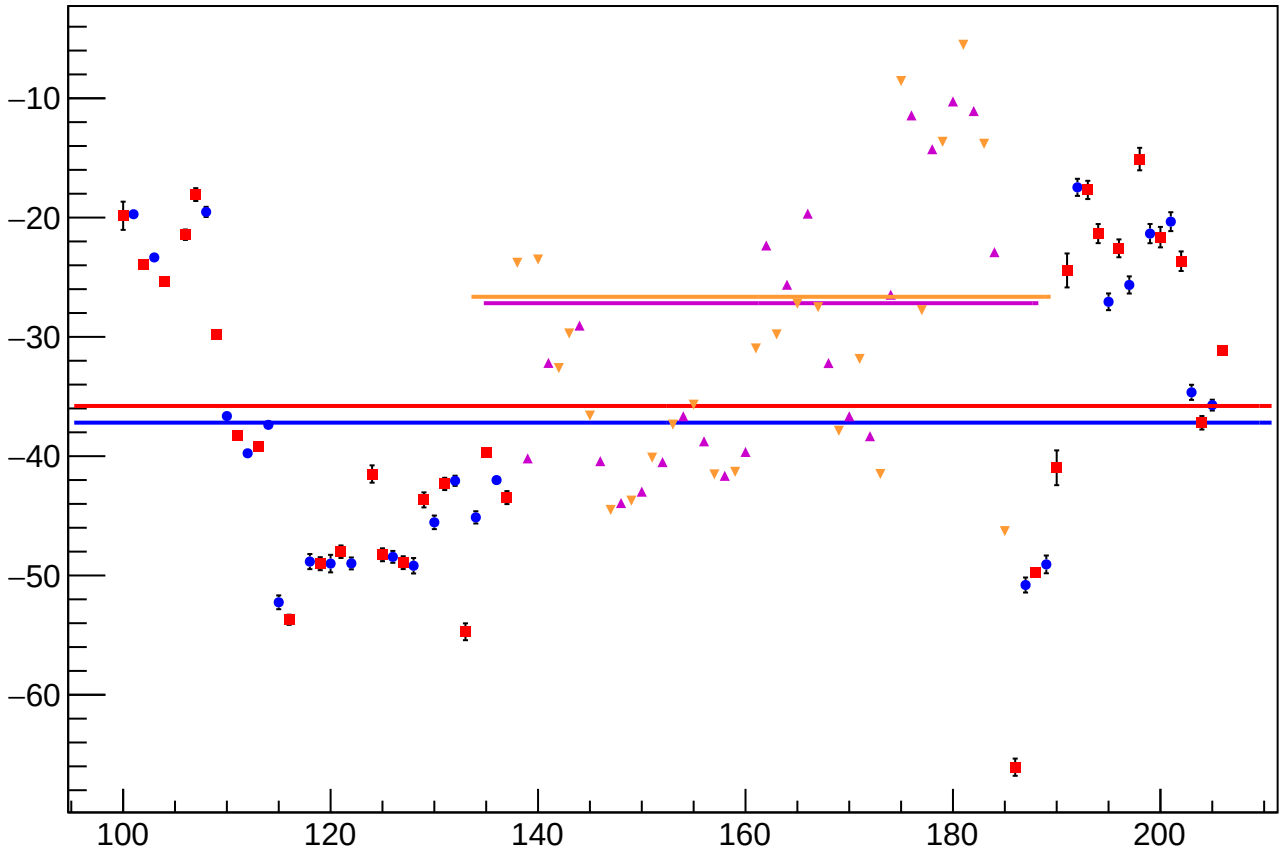
Right: 21.481+/-0.035 χ^2/NDF: 34428.9/55

In: 9.616+/-0.040 χ^2/NDF:161811.5/47

Out: 11.202+/-0.035 χ^2/NDF:199282.3/55

All: 10.514+/-0.026 χ^2/NDF: 361996.1/103


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -39.345+/-0.074 χ²/NDF: 14221.9/24
Left Out: -35.973+/-0.042 χ²/NDF:33609.3/24
Right Out: -37.770+/-0.068 χ²/NDF: 17474.1/30
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.862+/-0.031 χ²/NDF: 60778.7/47
Right: -38.495+/-0.050 χ²/NDF: 31939.5/55
In: -36.706+/-0.038 χ²/NDF:43108.5/47
Out: -36.471+/-0.036 χ²/NDF:51580.8/55
All: -36.581+/-0.026 χ²/NDF: 94709.3/103



Right In: -37.189+/-0.070 χ^2/NDF: 13711.0/24

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.791+/-0.061 χ^2/NDF: 19213.9/30

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

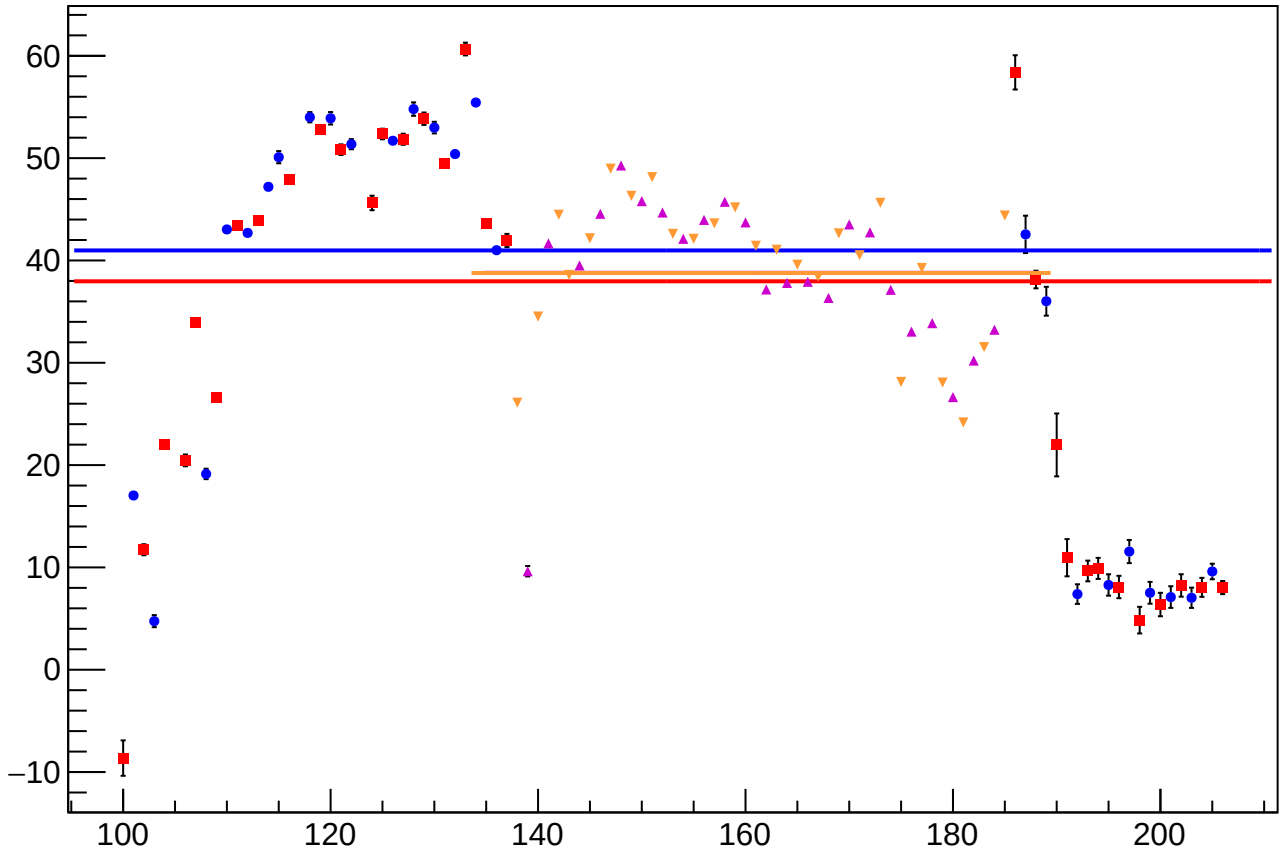
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.390+/-0.046 χ^2/NDF: 33153.4/55

In: -31.193+/-0.044 χ^2/NDF:66983.5/47

Out: -30.740+/-0.041 χ^2/NDF:81860.7/55

All: -30.946+/-0.030 χ^2/NDF: 148901.2/103



Right In: 40.980+/-0.083 χ^2/NDF: 22971.7/24

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.961+/-0.076 χ^2/NDF: 26409.5/30

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

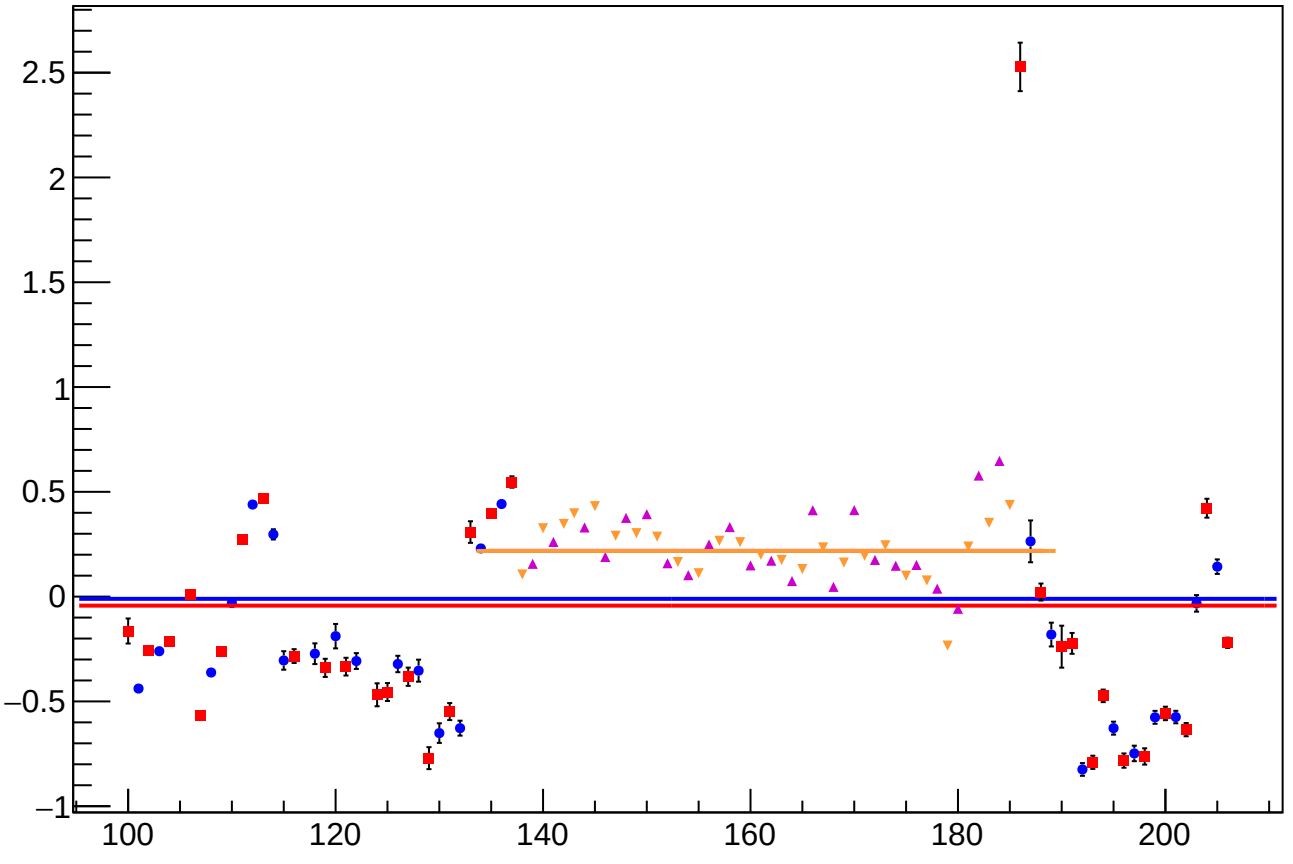
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 39.339+/-0.056 χ^2/NDF: 50106.1/55

In: 39.381+/-0.043 χ^2/NDF:39724.7/47

Out: 38.546+/-0.040 χ^2/NDF:47563.2/55

All: 38.938+/-0.029 χ^2/NDF: 87488.8/103



Right In: -0.011+/-0.004 χ^2/NDF: 7983.6/24

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.043+/-0.004 χ^2/NDF: 9487.5/30

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

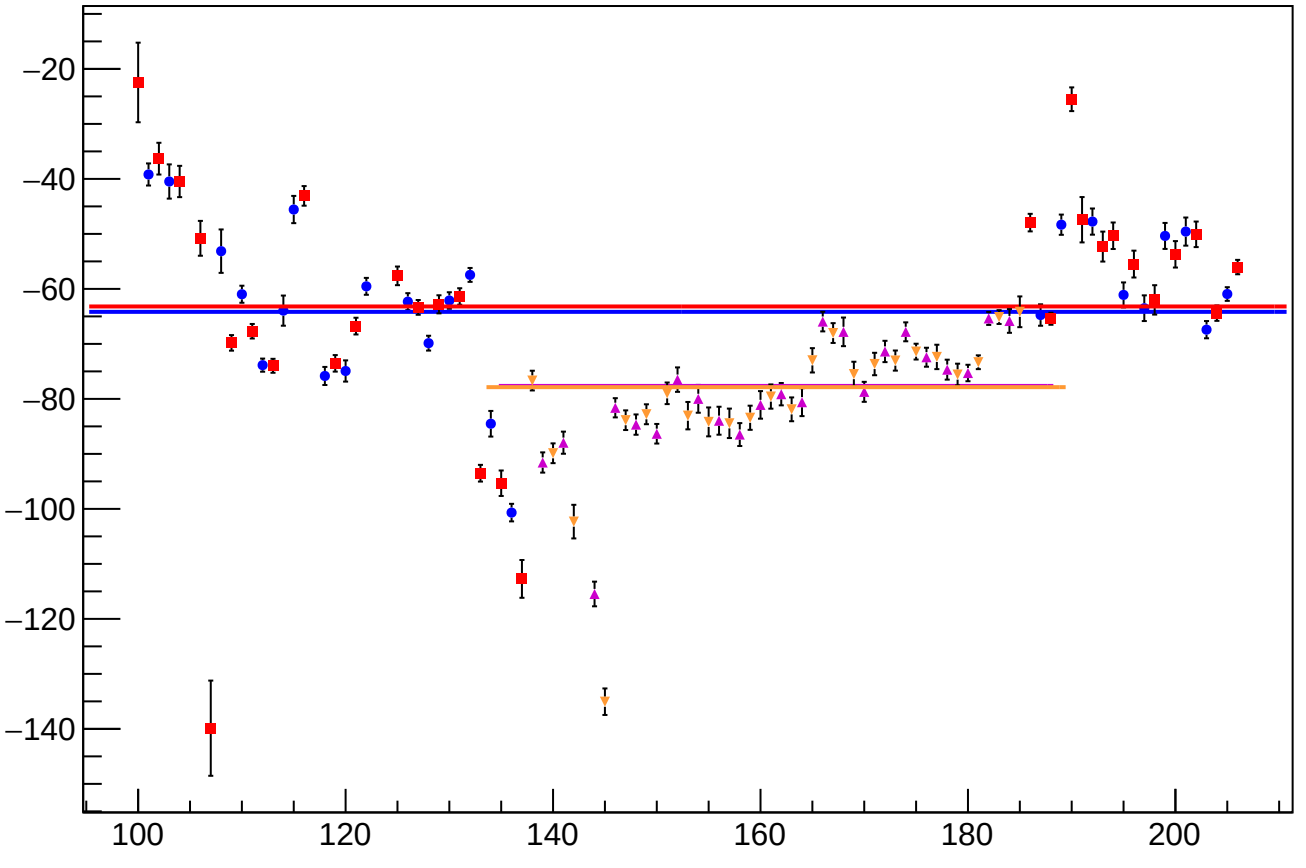
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.028+/-0.003 χ^2/NDF: 17499.8/55

In: 0.173+/-0.002 χ^2/NDF:15379.5/47

Out: 0.161+/-0.002 χ^2/NDF:16798.2/55

All: 0.167+/-0.001 χ^2/NDF: 32198.0/103



Right In: -64.172+/-0.353 χ^2/NDF: 1287.8/24

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.196+/-0.329 χ^2/NDF: 1921.6/29

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

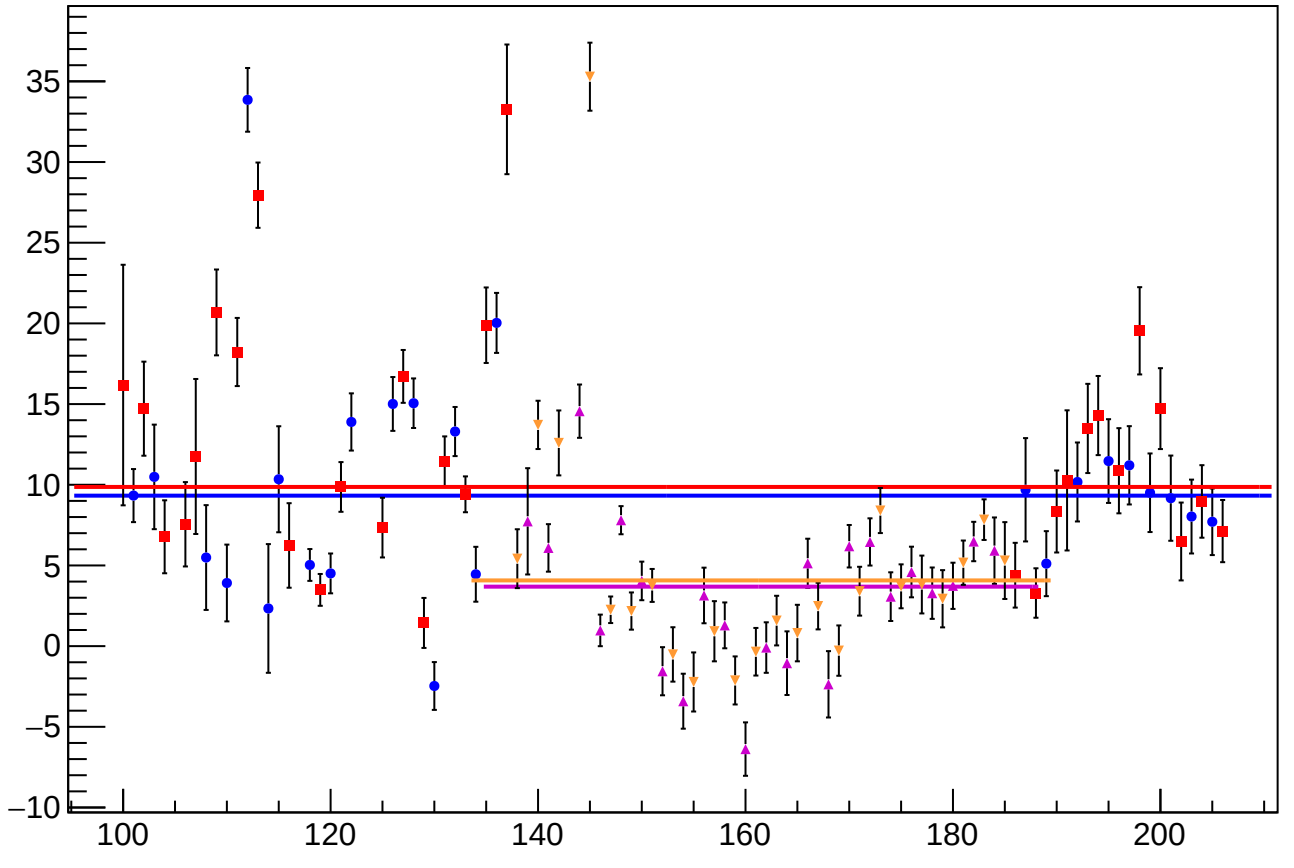
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

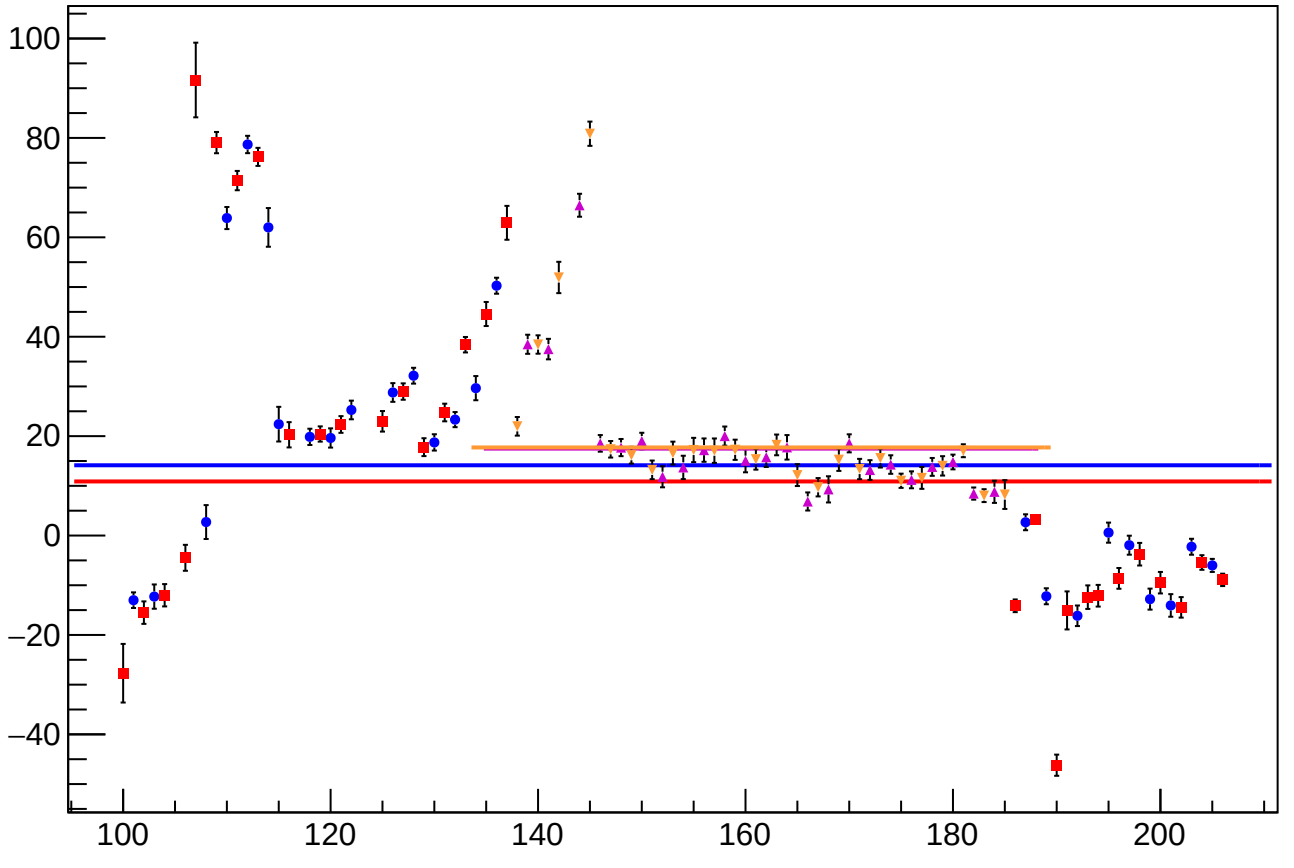
Right: -63.649+/-0.241 χ^2/NDF: 3213.5/54

In: -70.136+/-0.264 χ^2/NDF:2624.5/47

Out: -69.214+/-0.252 χ^2/NDF:3671.3/53

All: -69.655+/-0.182 χ^2/NDF: 6302.2/101


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 9.325+/-0.377 χ²/NDF: 348.8/24
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 9.865+/-0.364 χ²/NDF: 316.5/29
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.605+/-0.262 χ²/NDF: 666.4/54
In: 5.885+/-0.236 χ²/NDF:667.7/47
Out: 6.382+/-0.230 χ²/NDF:839.0/53
All: 6.139+/-0.165 χ²/NDF: 1509.0/101



Right In: 14.139+/-0.372 χ^2/NDF: 4588.0/24

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.884+/-0.338 χ^2/NDF: 6953.9/29

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

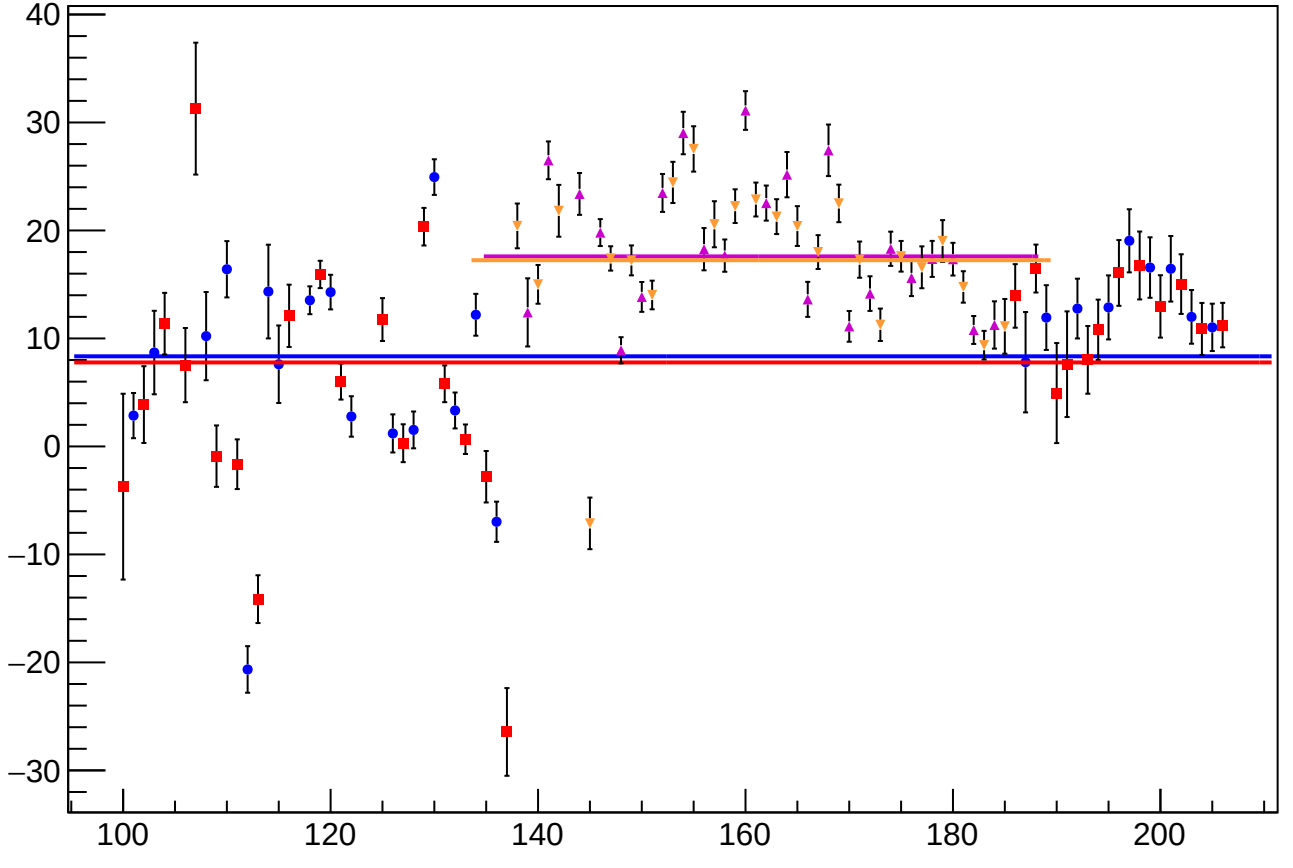
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 12.354+/-0.250 χ^2/NDF: 11583.8/54

In: 15.726+/-0.270 χ^2/NDF:5447.1/47

Out: 13.808+/-0.256 χ^2/NDF:8187.3/53

All: 14.714+/-0.186 χ^2/NDF: 13661.0/101



Right In: 8.345+/-0.439 χ^2/NDF: 491.7/24

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.778+/-0.427 χ^2/NDF: 433.2/29

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

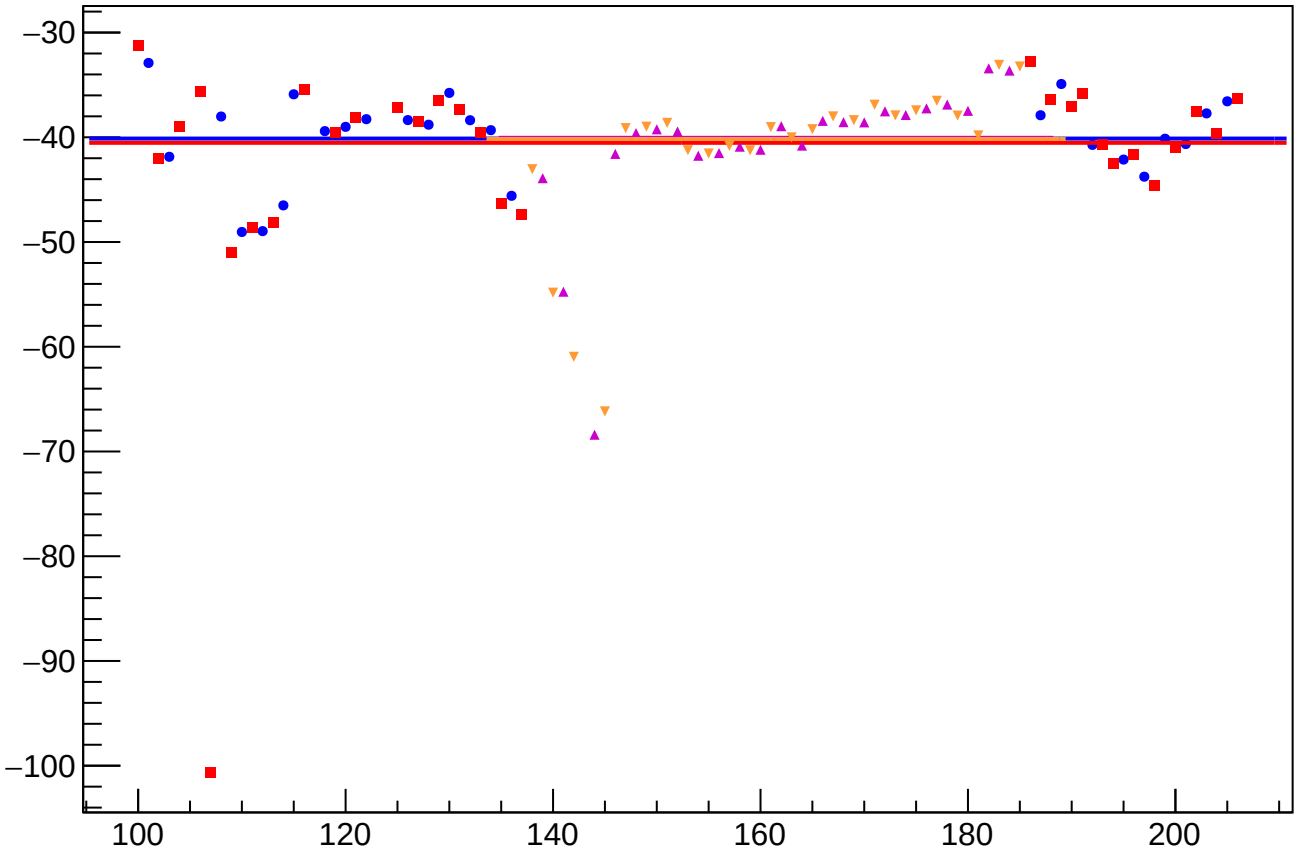
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.054+/-0.306 χ^2/NDF: 925.7/54

In: 14.097+/-0.270 χ^2/NDF:1077.9/47

Out: 13.599+/-0.265 χ^2/NDF:995.9/53

All: 13.844+/-0.189 χ^2/NDF: 2075.5/101



Right In: -40.123+/-0.023 χ^2/NDF: 26642.8/24

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.528+/-0.021 χ^2/NDF: 72572.7/29

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

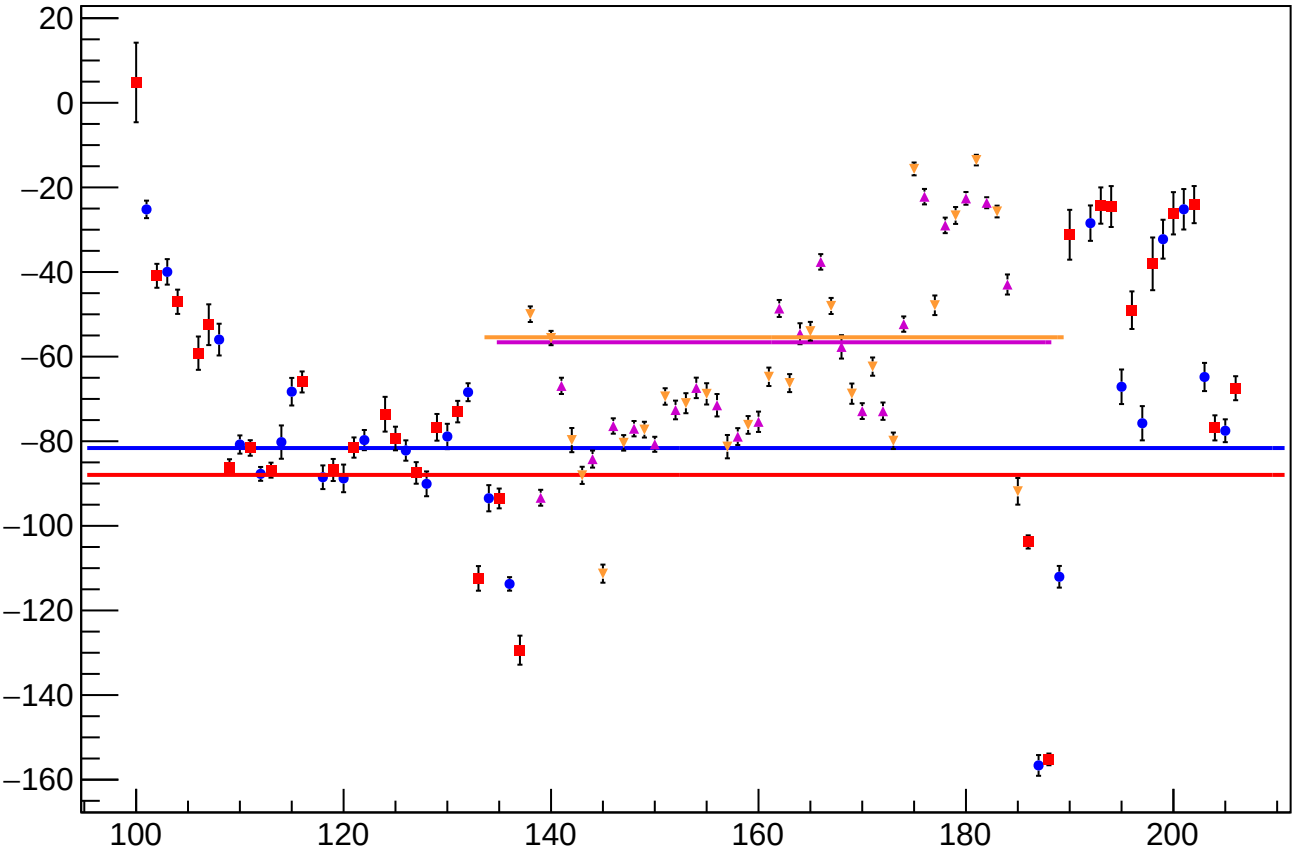
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.338+/-0.015 χ^2/NDF: 99387.3/54

In: -40.073+/-0.013 χ^2/NDF:163088.5/47

Out: -40.291+/-0.012 χ^2/NDF:236101.4/53

All: -40.184+/-0.009 χ^2/NDF: 399339.4/101



Right In: -81.609+/-0.535 χ^2/NDF: 3023.6/24

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.959+/-0.488 χ^2/NDF: 4602.0/29

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

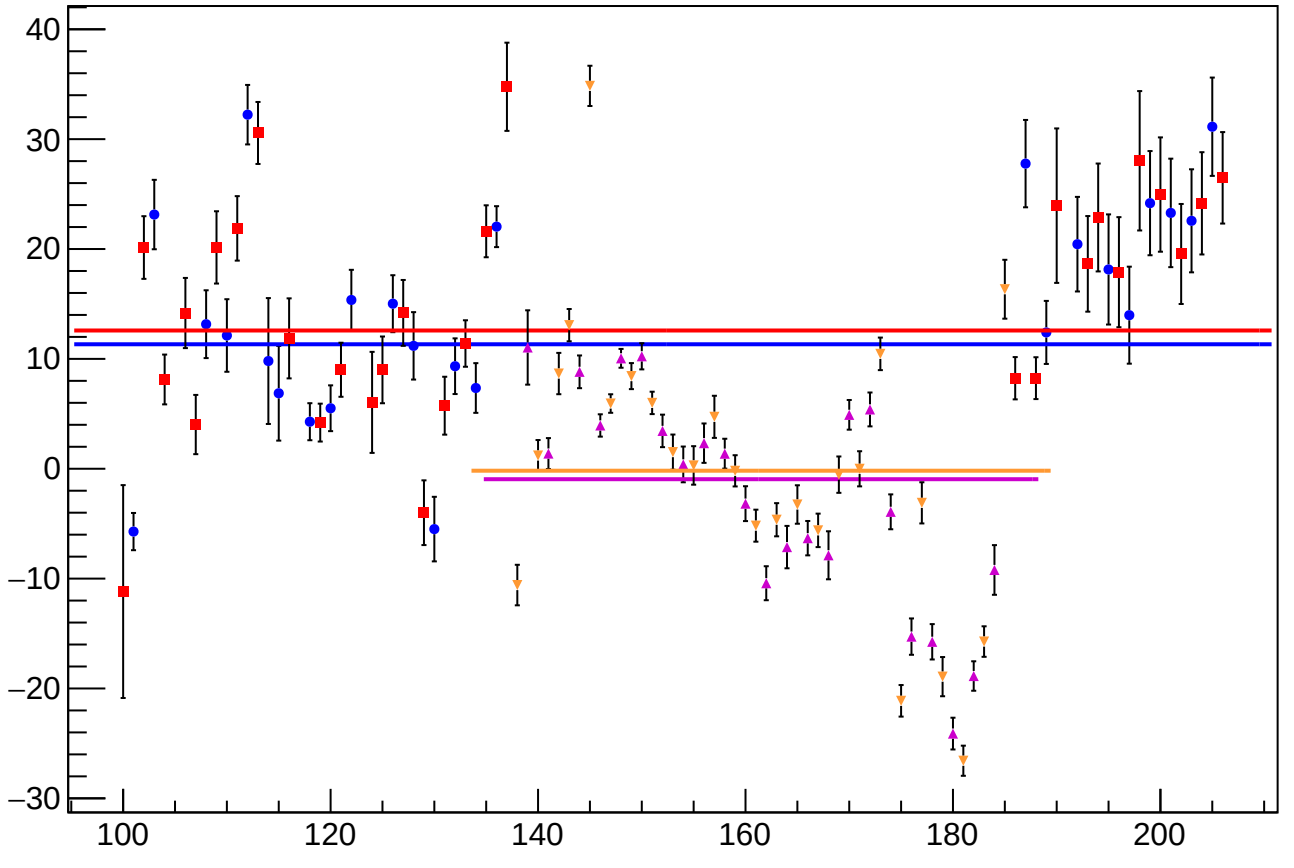
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -85.079+/-0.360 χ^2/NDF: 7702.6/54

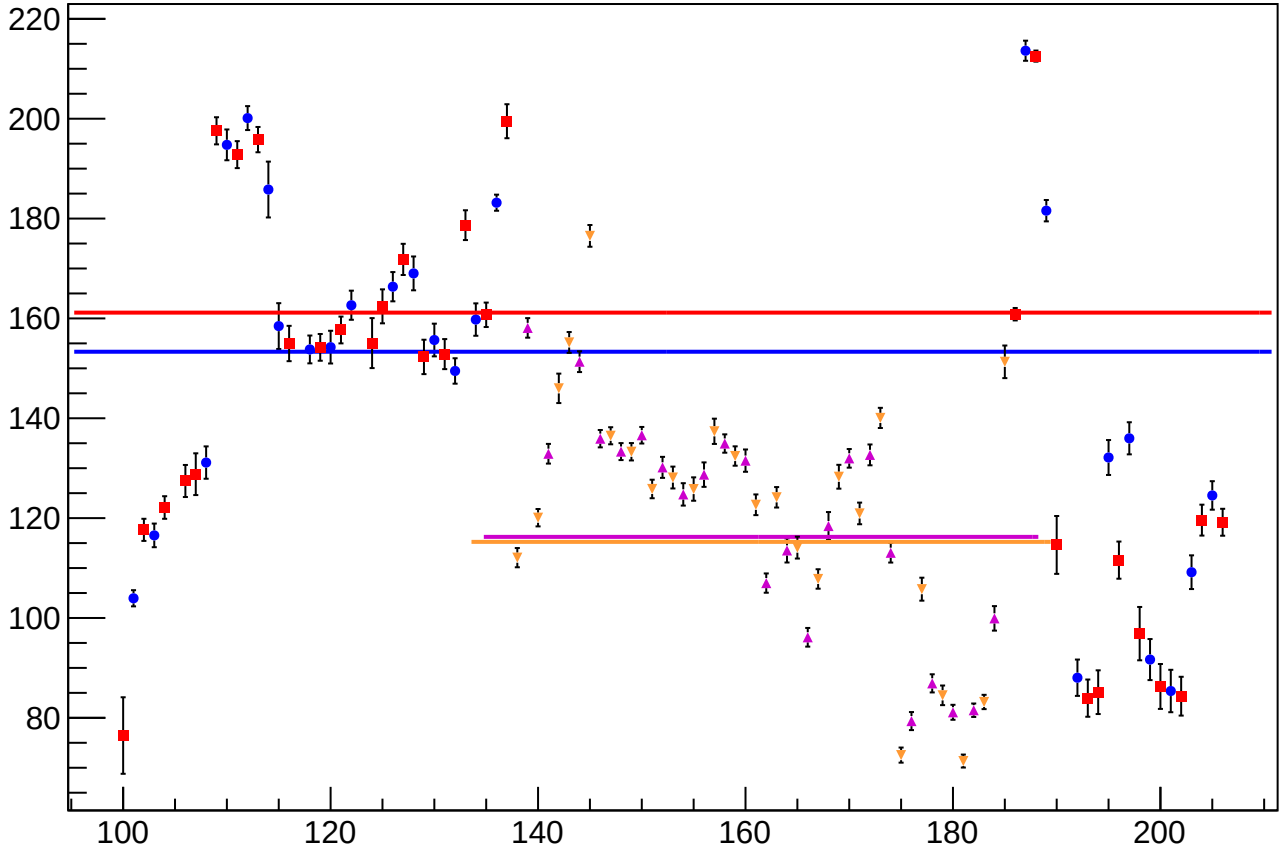
In: -65.679+/-0.322 χ^2/NDF:7764.9/47

Out: -68.249+/-0.306 χ^2/NDF:11824.8/54

All: -67.030+/-0.222 χ^2/NDF: 19623.1/102


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 11.330+/-0.568 χ²/NDF: 337.8/24
Left Out: -0.179+/-0.294 χ²/NDF:1598.6/24
Right Out: 12.584+/-0.544 χ²/NDF: 248.2/29
Left In: -0.952+/-0.304 χ²/NDF:1069.6/22
Left: -0.553+/-0.211 χ²/NDF: 2671.5/47
Right: 11.984+/-0.393 χ²/NDF: 588.5/54
In: 1.785+/-0.268 χ²/NDF:1771.0/47
Out: 2.708+/-0.259 χ²/NDF:2272.7/54
All: 2.263+/-0.186 χ²/NDF: 4049.8/102

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.327+/-0.548 χ^2/NDF: 4426.7/24

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 161.161+/-0.487 χ^2/NDF: 6030.8/29

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

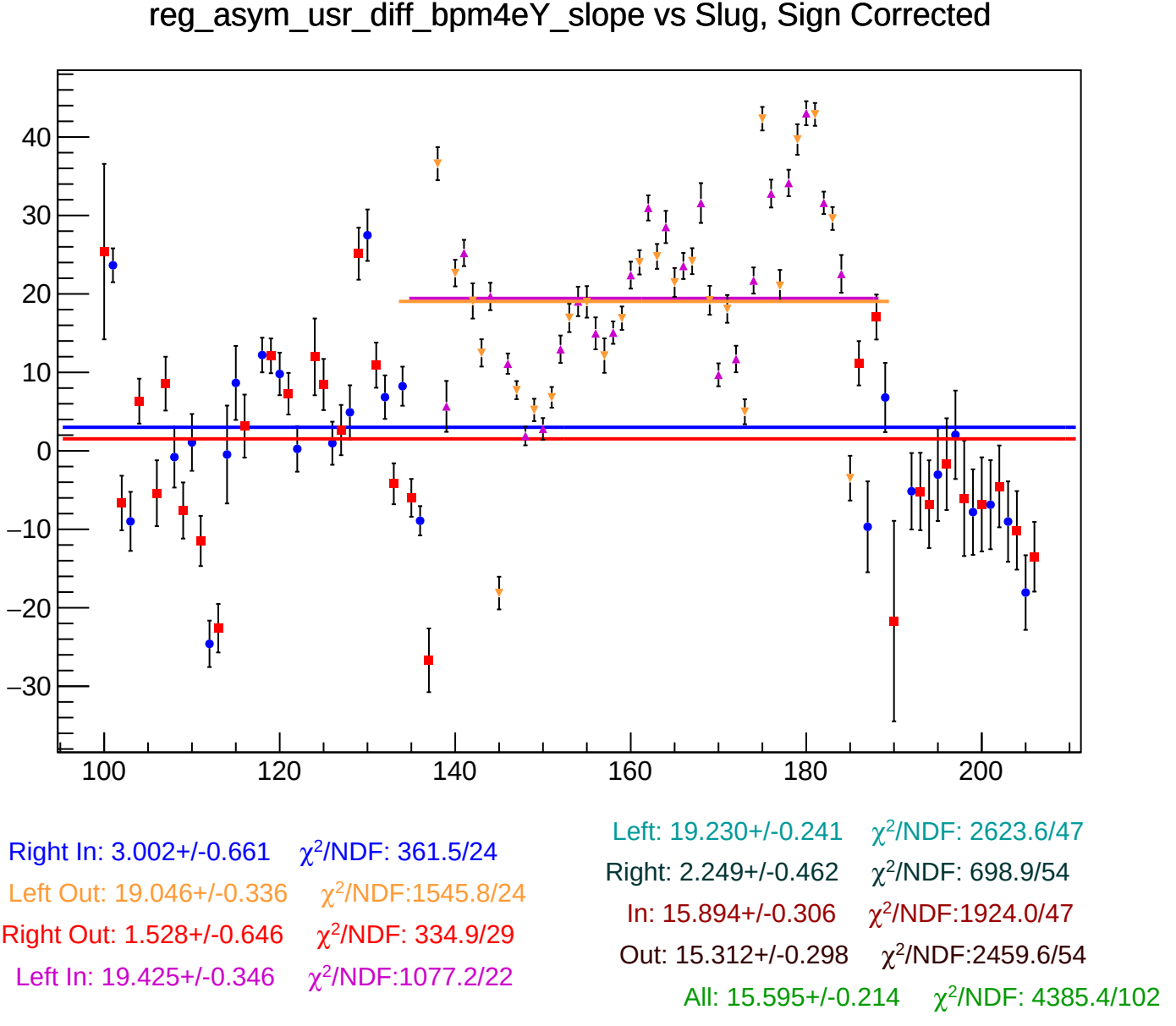
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 157.706+/-0.364 χ^2/NDF: 10571.7/54

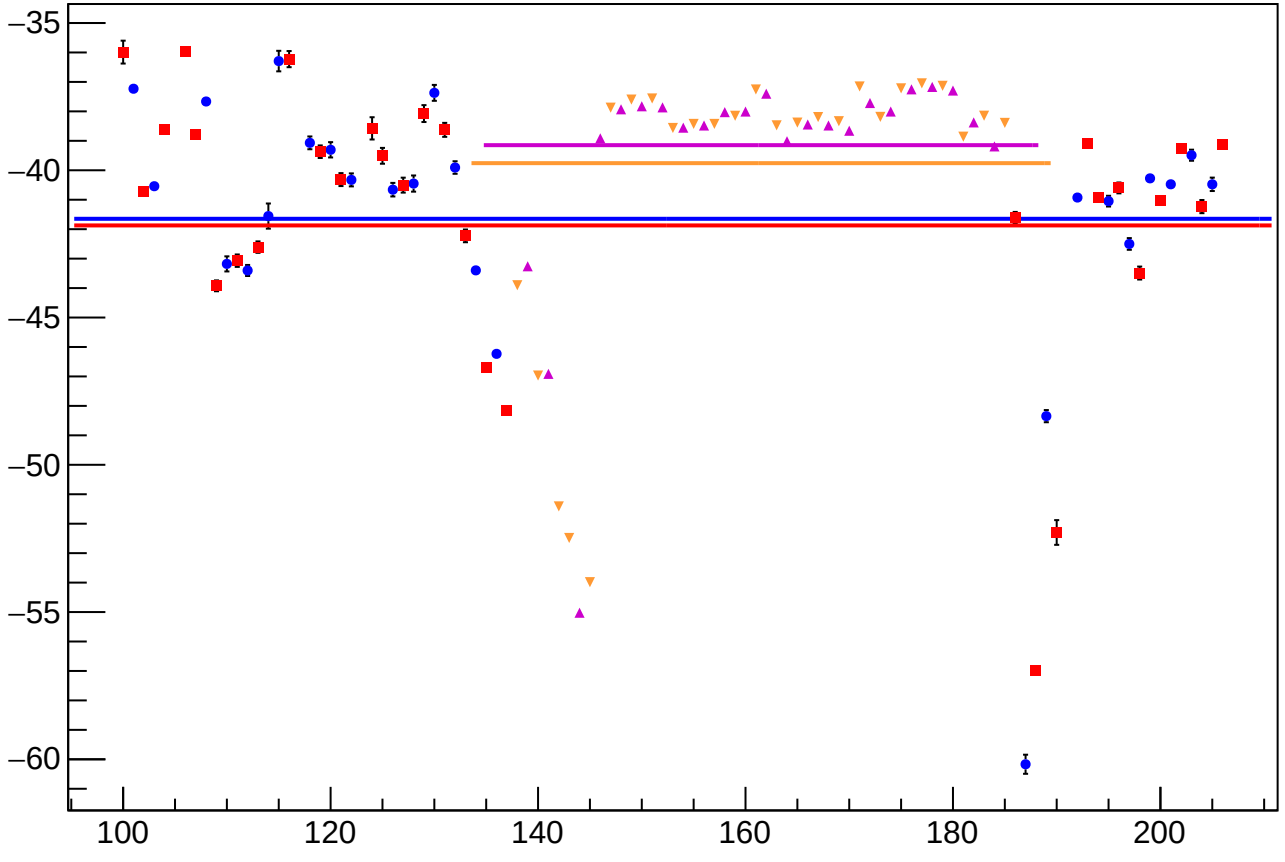
In: 129.094+/-0.323 χ^2/NDF:11053.9/47

Out: 133.211+/-0.305 χ^2/NDF:16282.1/54

All: 131.271+/-0.221 χ^2/NDF: 27422.1/102


reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 3.002+/-0.661 χ²/NDF: 361.5/24
Left Out: 19.046+/-0.336 χ²/NDF:1545.8/24
Right Out: 1.528+/-0.646 χ²/NDF: 334.9/29
Left In: 19.425+/-0.346 χ²/NDF:1077.2/22
Left: 19.230+/-0.241 χ²/NDF: 2623.6/47
Right: 2.249+/-0.462 χ²/NDF: 698.9/54
In: 15.894+/-0.306 χ²/NDF:1924.0/47
Out: 15.312+/-0.298 χ²/NDF:2459.6/54
All: 15.595+/-0.214 χ²/NDF: 4385.4/102

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.647+/-0.033 χ^2/NDF: 12584.3/24

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.873+/-0.032 χ^2/NDF: 19732.4/29

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

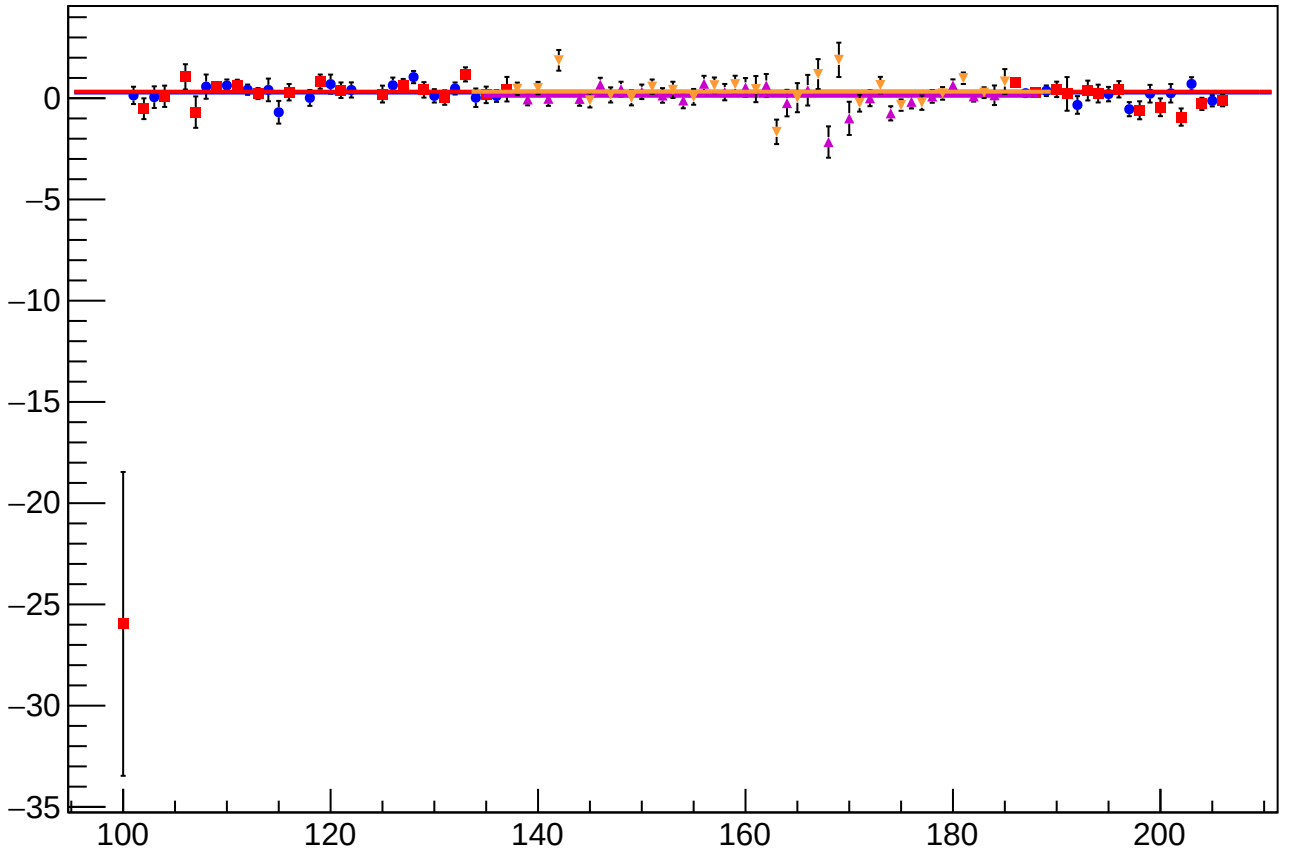
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.762+/-0.023 χ^2/NDF: 32341.1/54

In: -39.616+/-0.014 χ^2/NDF:64297.2/47

Out: -40.158+/-0.014 χ^2/NDF:105143.7/54

All: -39.890+/-0.010 χ^2/NDF: 170192.0/102



Right In: 0.281+/-0.070 χ^2/NDF: 26.8/24

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.323+/-0.060 χ^2/NDF: 60.2/29

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

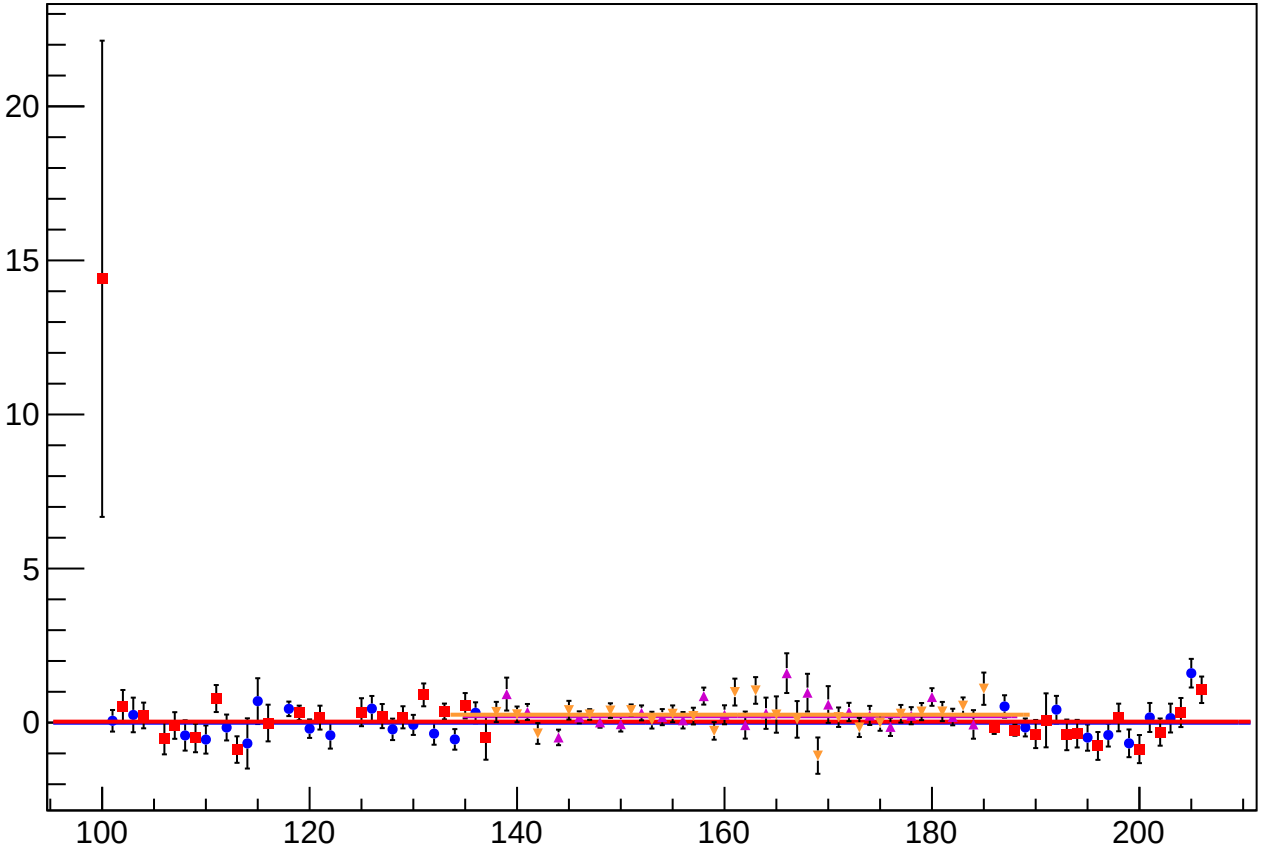
Right: 0.305+/-0.045 χ^2/NDF: 87.2/54

In: 0.211+/-0.052 χ^2/NDF:59.1/47

Out: 0.322+/-0.048 χ^2/NDF:107.1/53

All: 0.272+/-0.035 χ^2/NDF: 168.7/101

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.004+/-0.077 χ^2/NDF: 35.3/24

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.031+/-0.069 χ^2/NDF: 45.1/29

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

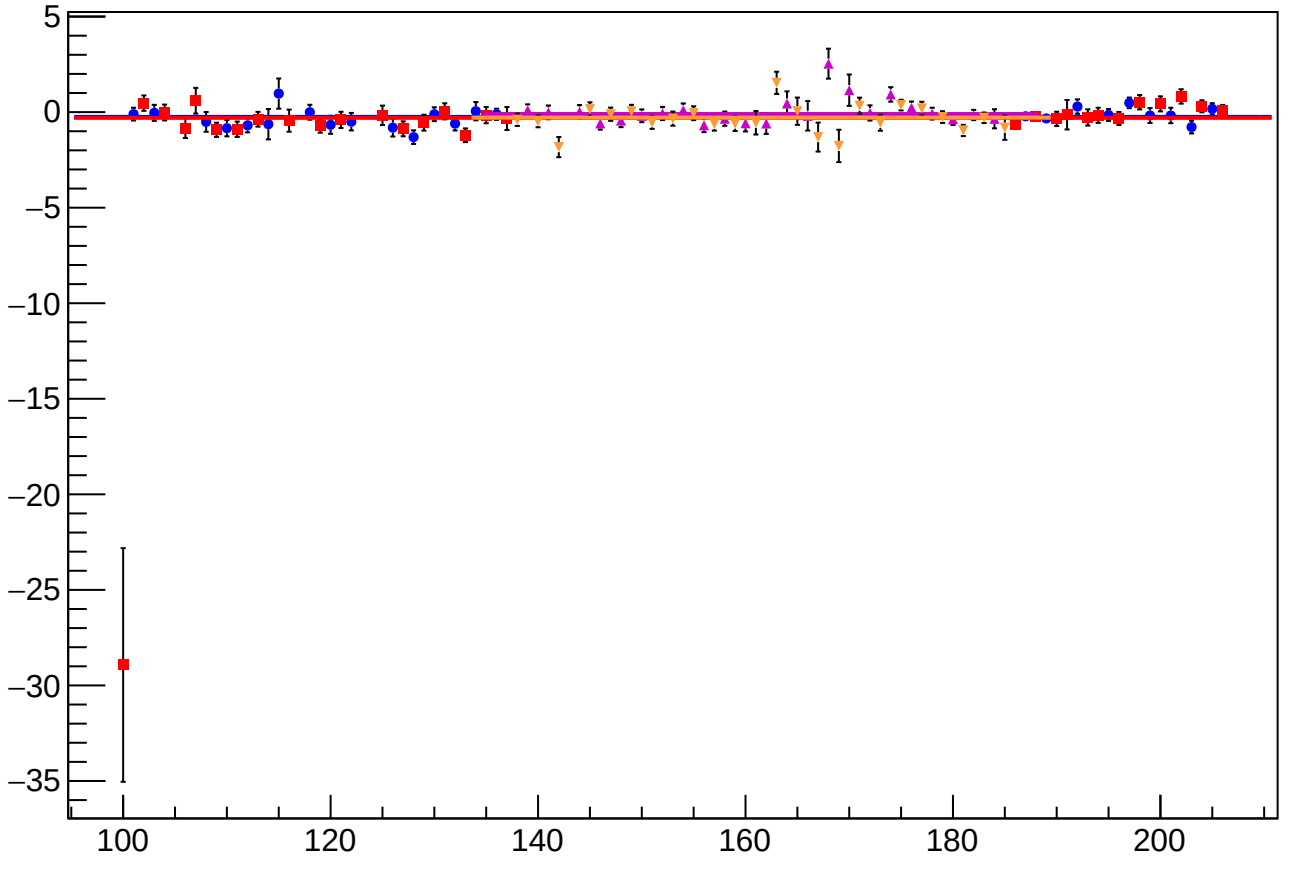
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.015+/-0.052 χ^2/NDF: 80.5/54

In: 0.127+/-0.048 χ^2/NDF:71.8/47

Out: 0.161+/-0.045 χ^2/NDF:77.7/53

All: 0.145+/-0.033 χ^2/NDF: 149.8/101



Right In: -0.250+/-0.069 χ^2/NDF: 33.9/24

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.299+/-0.057 χ^2/NDF: 74.7/29

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

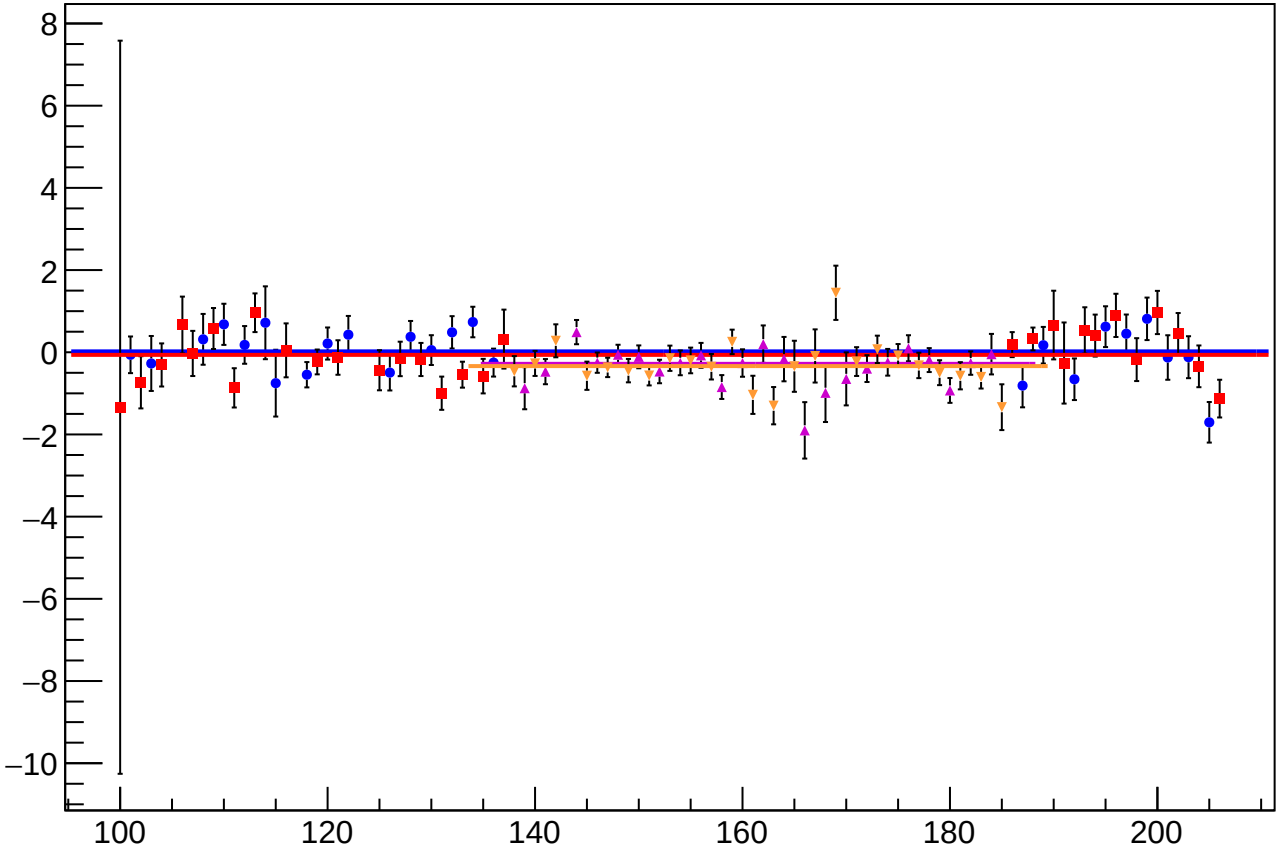
Right: -0.280+/-0.044 χ^2/NDF: 108.9/54

In: -0.184+/-0.052 χ^2/NDF:69.2/47

Out: -0.295+/-0.046 χ^2/NDF:119.8/53

All: -0.246+/-0.034 χ^2/NDF: 191.5/101

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.091 χ^2/NDF: 37.7/24

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.063+/-0.085 χ^2/NDF: 41.5/29

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

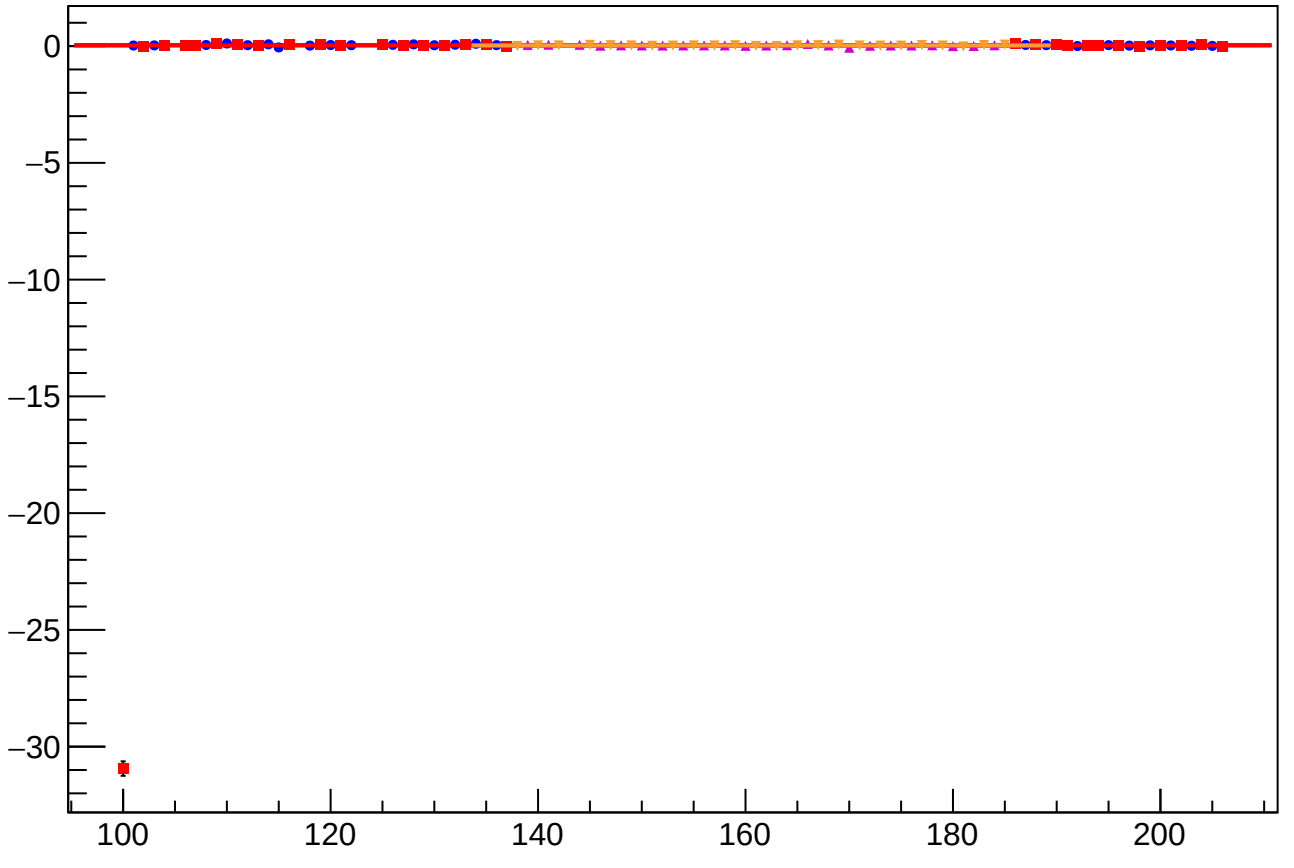
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.024+/-0.062 χ^2/NDF: 79.7/54

In: -0.171+/-0.055 χ^2/NDF:73.8/47

Out: -0.229+/-0.053 χ^2/NDF:78.0/53

All: -0.201+/-0.038 χ^2/NDF: 152.4/101



Right In: 0.037+/-0.004 χ^2/NDF: 31.6/24

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.5/29

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

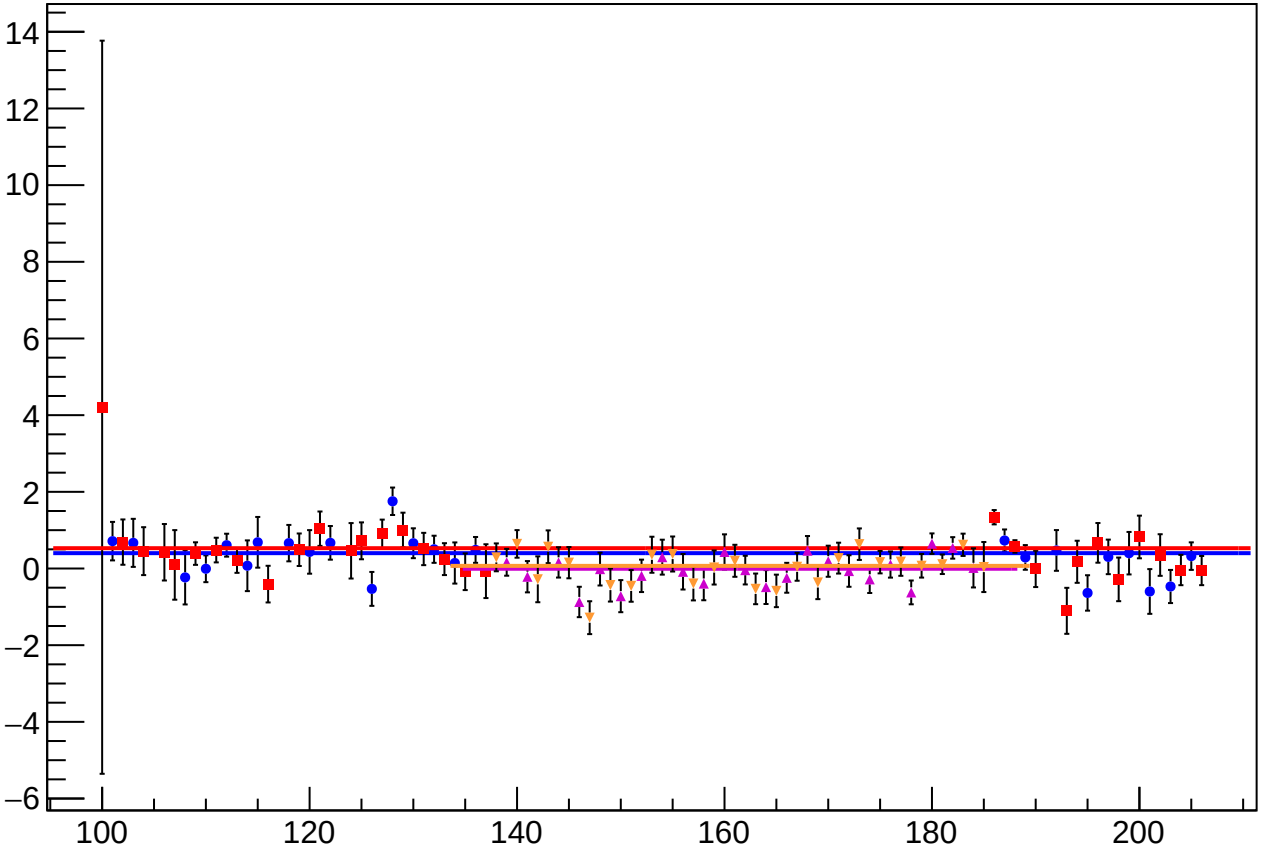
Right: 0.034+/-0.003 χ^2/NDF: 10086.9/54

In: 0.032+/-0.002 χ^2/NDF:72.3/47

Out: 0.029+/-0.002 χ^2/NDF:10082.5/53

All: 0.031+/-0.002 χ^2/NDF: 10155.3/101

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.400+/-0.085 χ^2/NDF: 37.5/24

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.530+/-0.072 χ^2/NDF: 46.8/29

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

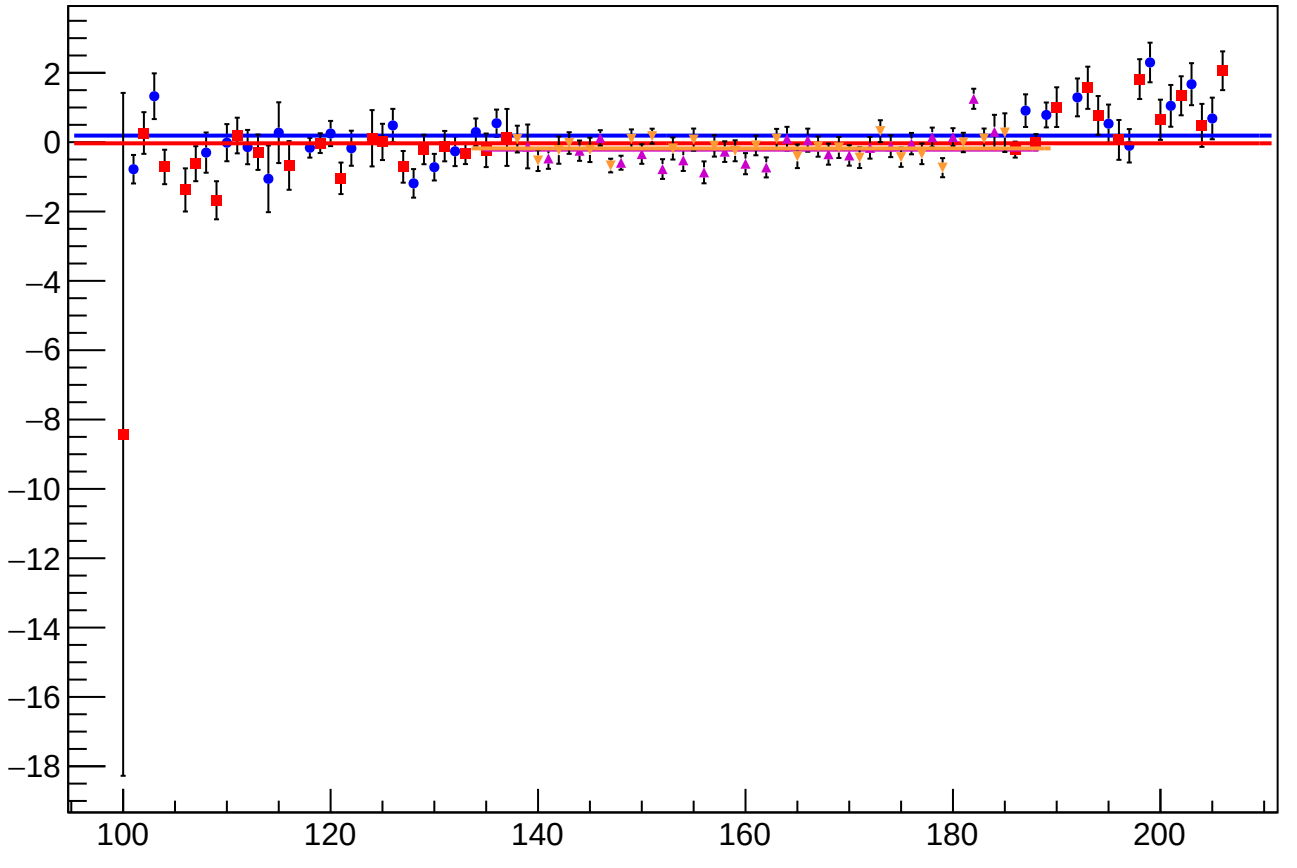
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.476+/-0.055 χ^2/NDF: 85.7/54

In: 0.184+/-0.058 χ^2/NDF:78.2/47

Out: 0.316+/-0.053 χ^2/NDF:97.1/54

All: 0.257+/-0.039 χ^2/NDF: 178.2/102



Right In: 0.189+/-0.093 χ^2/NDF: 65.0/24

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.033+/-0.083 χ^2/NDF: 73.0/29

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

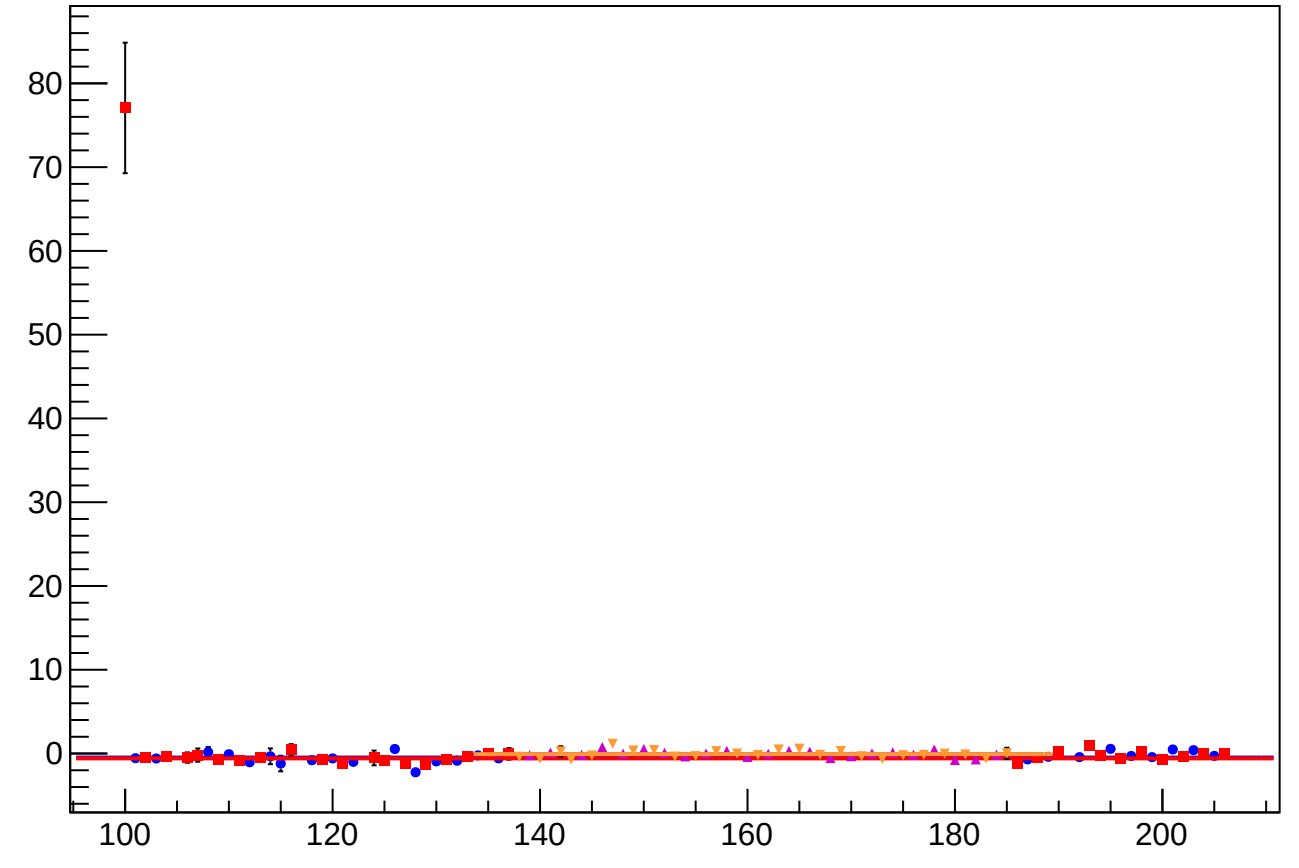
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.065+/-0.062 χ^2/NDF: 141.2/54

In: -0.093+/-0.051 χ^2/NDF:131.7/47

Out: -0.130+/-0.048 χ^2/NDF:99.9/54

All: -0.113+/-0.035 χ^2/NDF: 231.9/102



Right In: -0.485+/-0.085 χ^2/NDF: 44.3/24

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.580+/-0.068 χ^2/NDF: 145.3/29

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

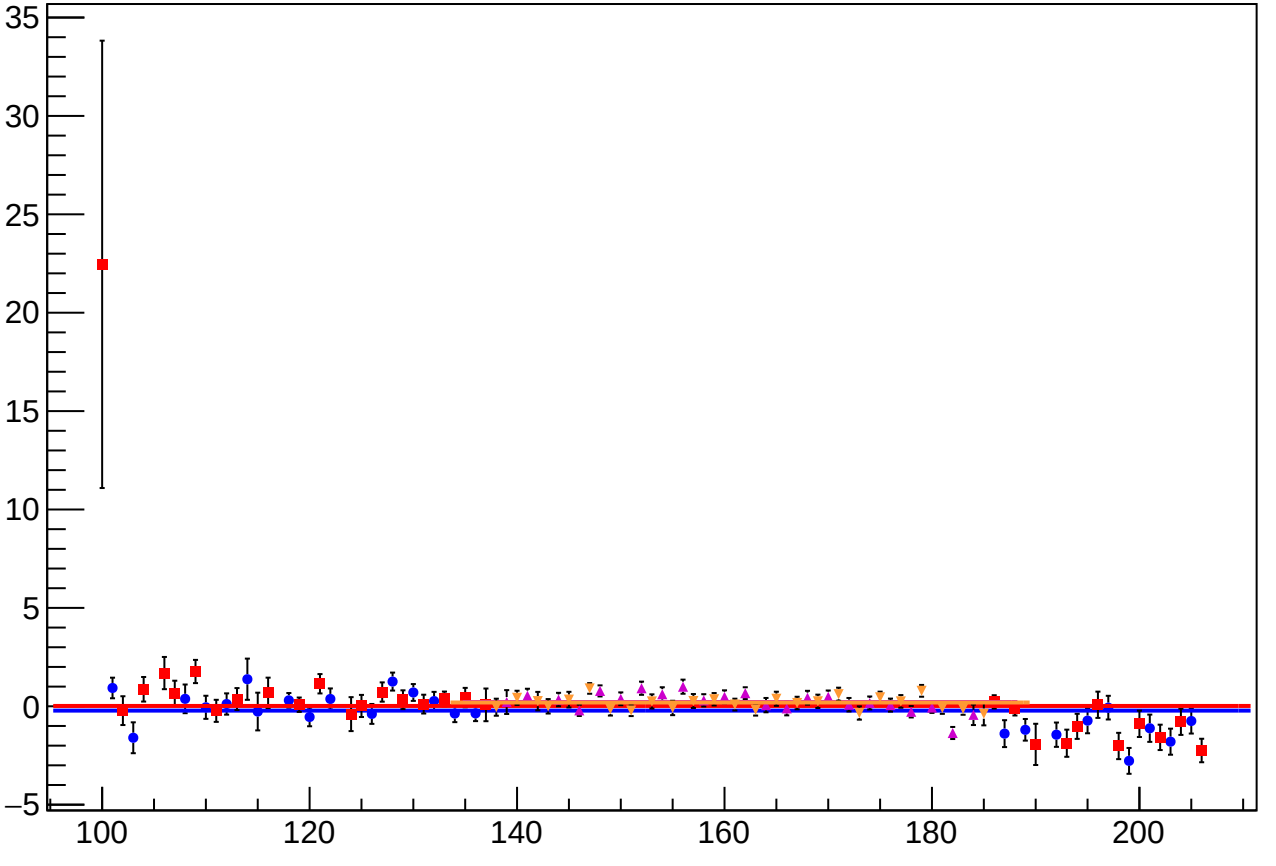
Right: -0.543+/-0.053 χ^2/NDF: 190.4/54

In: -0.264+/-0.058 χ^2/NDF:85.1/47

Out: -0.358+/-0.051 χ^2/NDF:199.3/54

All: -0.317+/-0.038 χ^2/NDF: 285.9/102

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.219+/-0.109 χ^2/NDF: 65.4/24

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.017+/-0.101 χ^2/NDF: 78.2/29

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

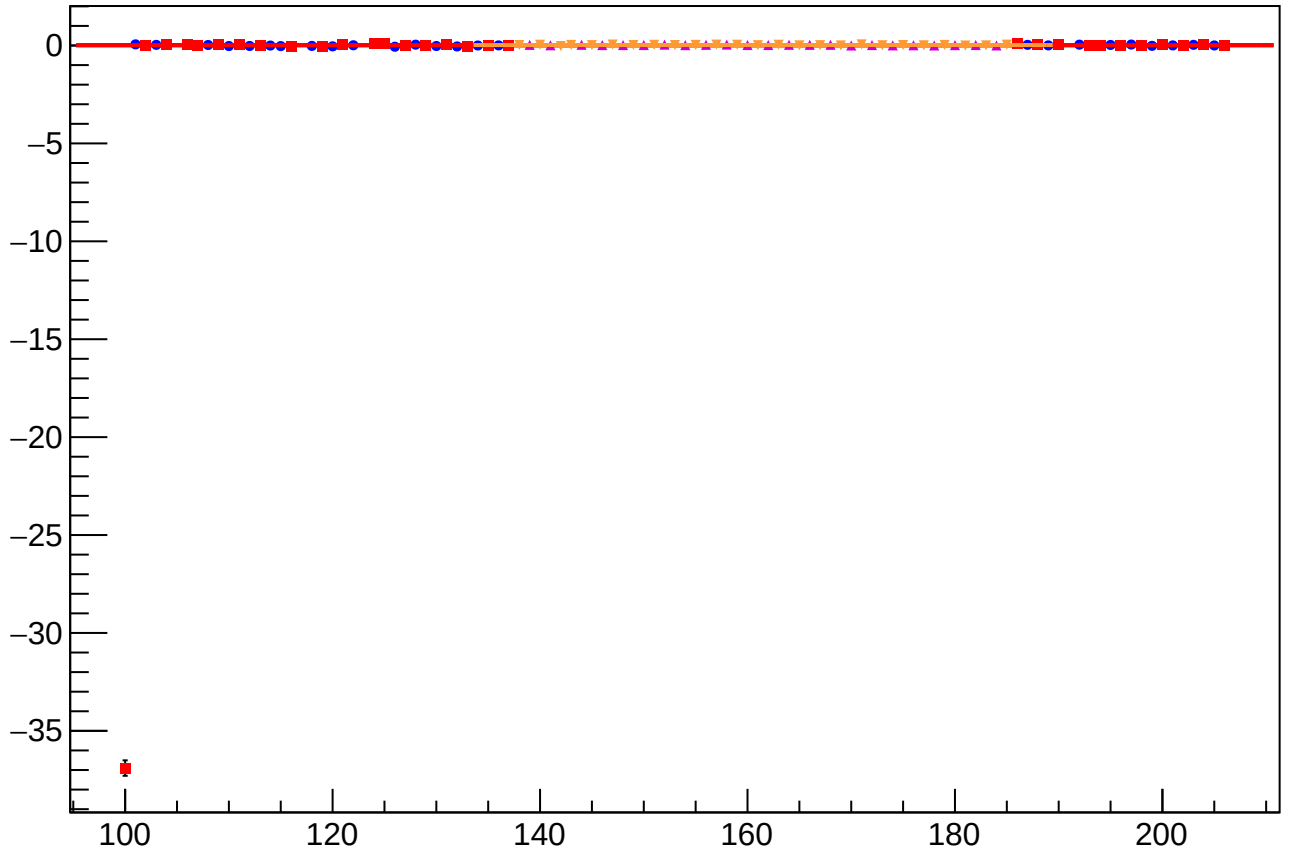
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.092+/-0.074 χ^2/NDF: 146.1/54

In: 0.091+/-0.058 χ^2/NDF:131.7/47

Out: 0.140+/-0.056 χ^2/NDF:106.2/54

All: 0.116+/-0.040 χ^2/NDF: 238.2/102



Right In: 0.013+/-0.005 χ^2/NDF: 28.7/24

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8779.6/29

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

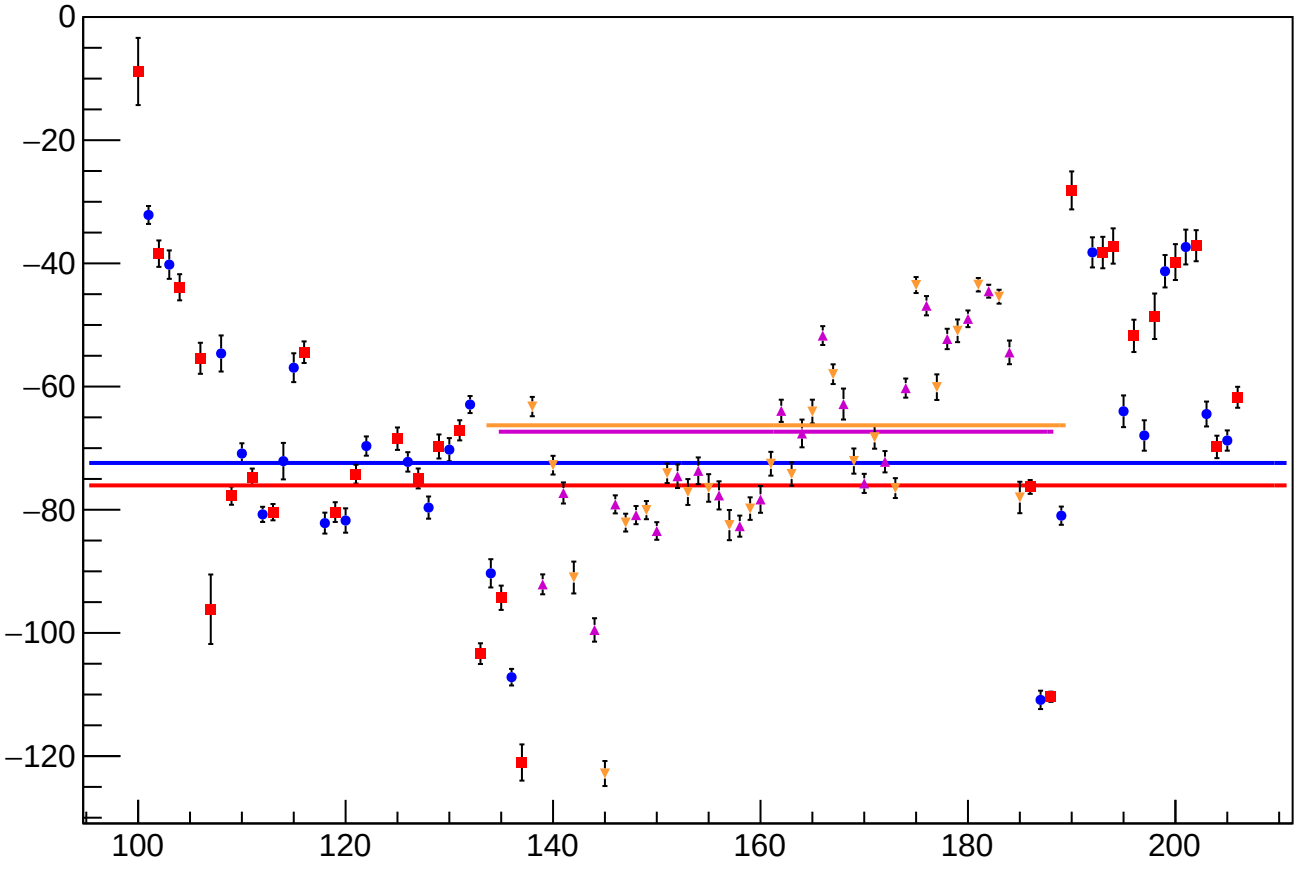
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.014+/-0.004 χ^2/NDF: 8808.4/54

In: 0.021+/-0.003 χ^2/NDF:50.0/47

Out: 0.022+/-0.003 χ^2/NDF:8812.2/54

All: 0.022+/-0.002 χ^2/NDF: 8862.2/102



Right In: -72.402+/-0.362 χ^2/NDF: 3155.3/24

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.049+/-0.330 χ^2/NDF: 4564.2/28

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

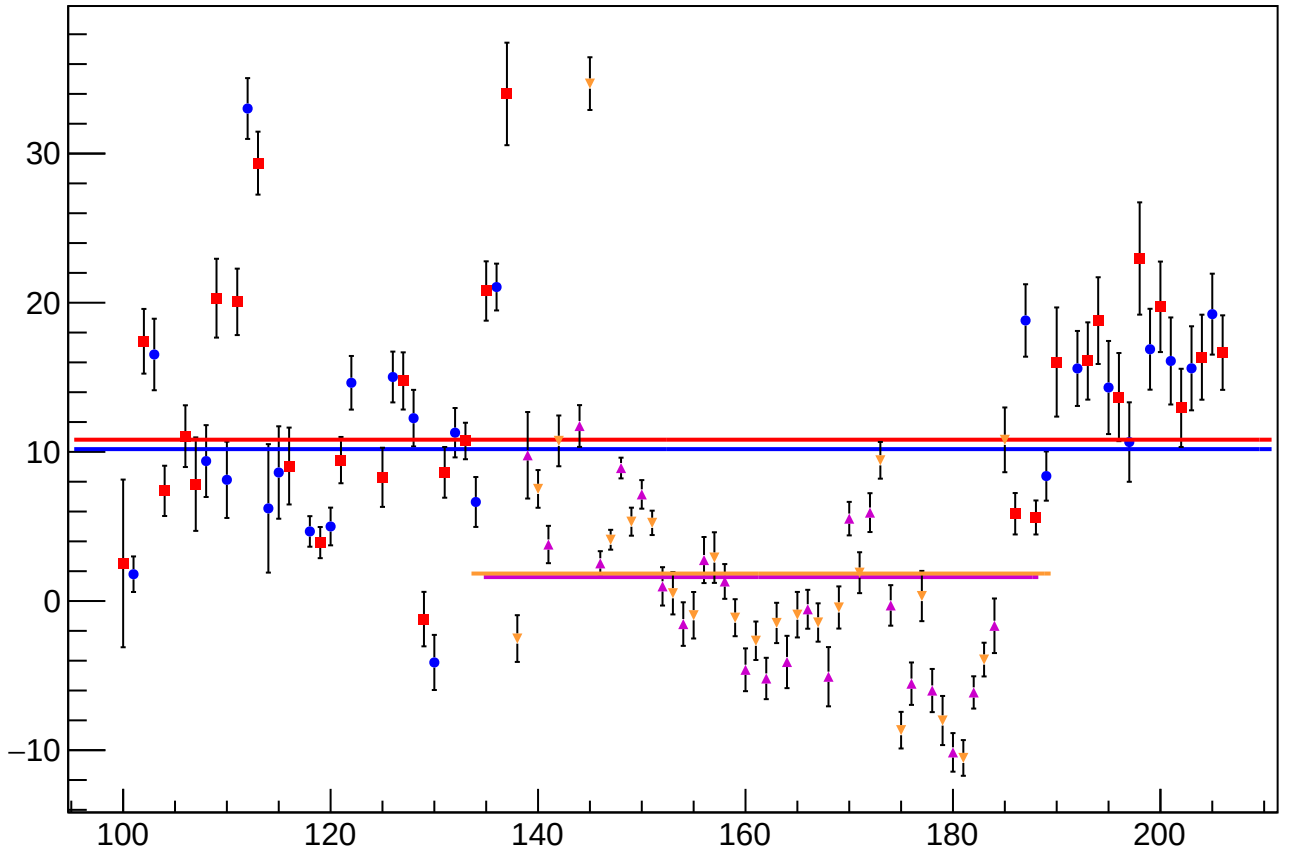
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.392+/-0.244 χ^2/NDF: 7774.8/53

In: -69.745+/-0.250 χ^2/NDF:5360.7/47

Out: -71.365+/-0.238 χ^2/NDF:7533.6/52

All: -70.594+/-0.172 χ^2/NDF: 12916.4/100



Right In: 10.184+/-0.378 χ^2/NDF: 403.1/24

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.817+/-0.365 χ^2/NDF: 367.5/28

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

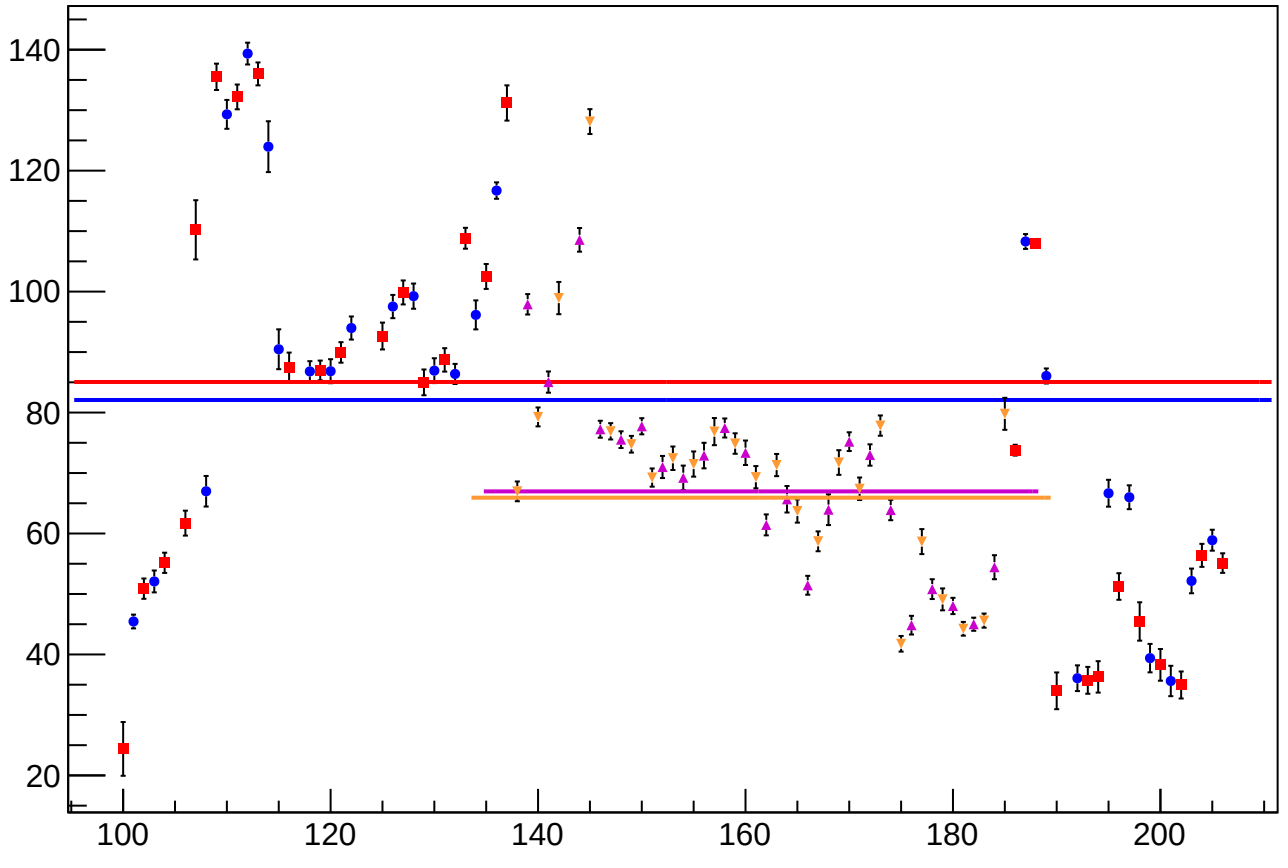
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 10.512+/-0.263 χ^2/NDF: 772.1/53

In: 4.334+/-0.213 χ^2/NDF:1250.4/47

Out: 4.779+/-0.209 χ^2/NDF:1556.2/52

All: 4.562+/-0.149 χ^2/NDF: 2808.7/100



Right In: 82.076+/-0.366 χ^2/NDF: 5841.1/24

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 85.056+/-0.323 χ^2/NDF: 7708.6/28

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

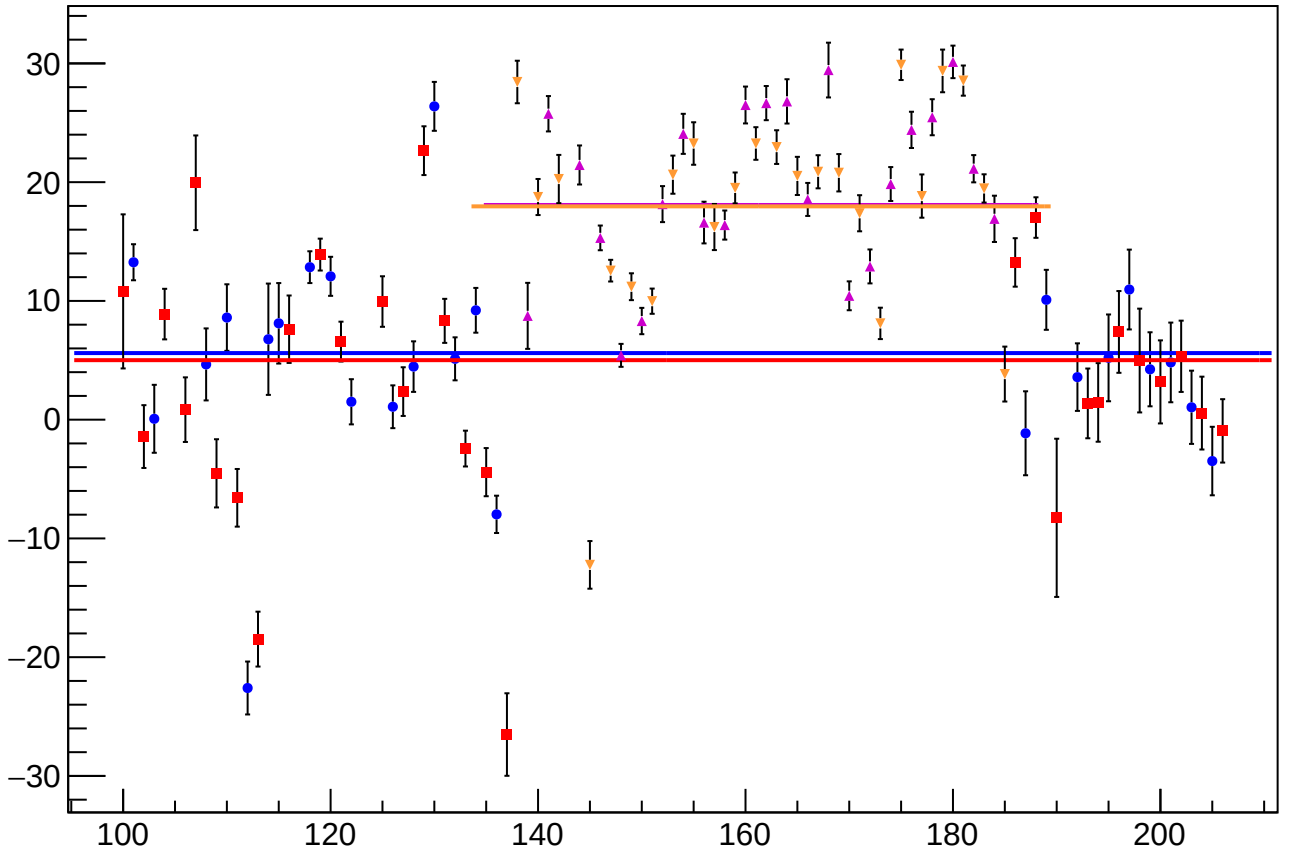
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 83.750+/-0.242 χ^2/NDF: 13586.9/53

In: 73.987+/-0.250 χ^2/NDF:8974.0/47

Out: 75.983+/-0.234 χ^2/NDF:11924.2/52

All: 75.047+/-0.171 χ^2/NDF: 20932.2/100



Right In: 5.609+/-0.446 χ^2/NDF: 449.5/24

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.011+/-0.437 χ^2/NDF: 501.8/28

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

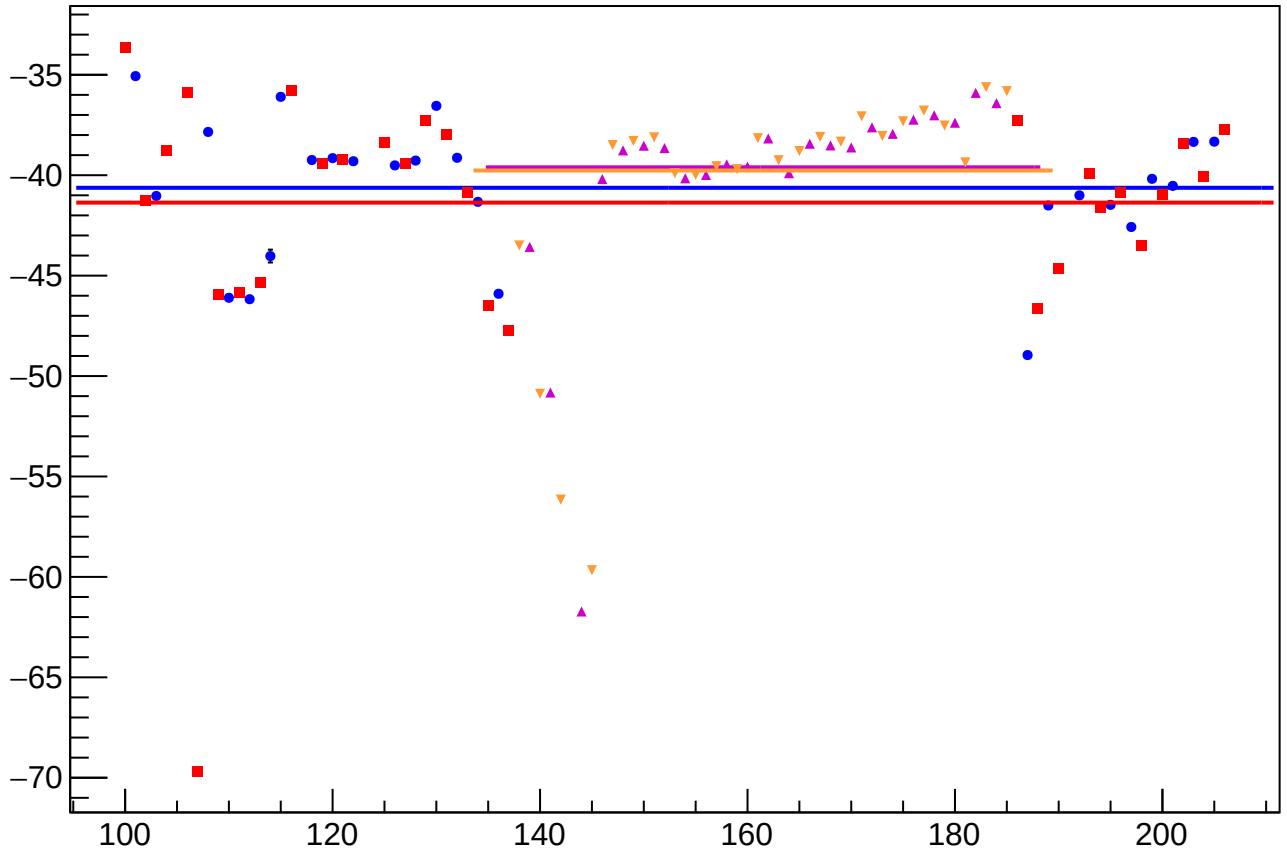
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.304+/-0.312 χ^2/NDF: 952.2/53

In: 14.287+/-0.246 χ^2/NDF:1598.6/47

Out: 13.964+/-0.243 χ^2/NDF:1841.5/52

All: 14.123+/-0.173 χ^2/NDF: 3441.0/100



Right In: -40.626+/-0.022 χ^2/NDF: 21080.7/24

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.364+/-0.022 χ^2/NDF: 44618.1/28

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

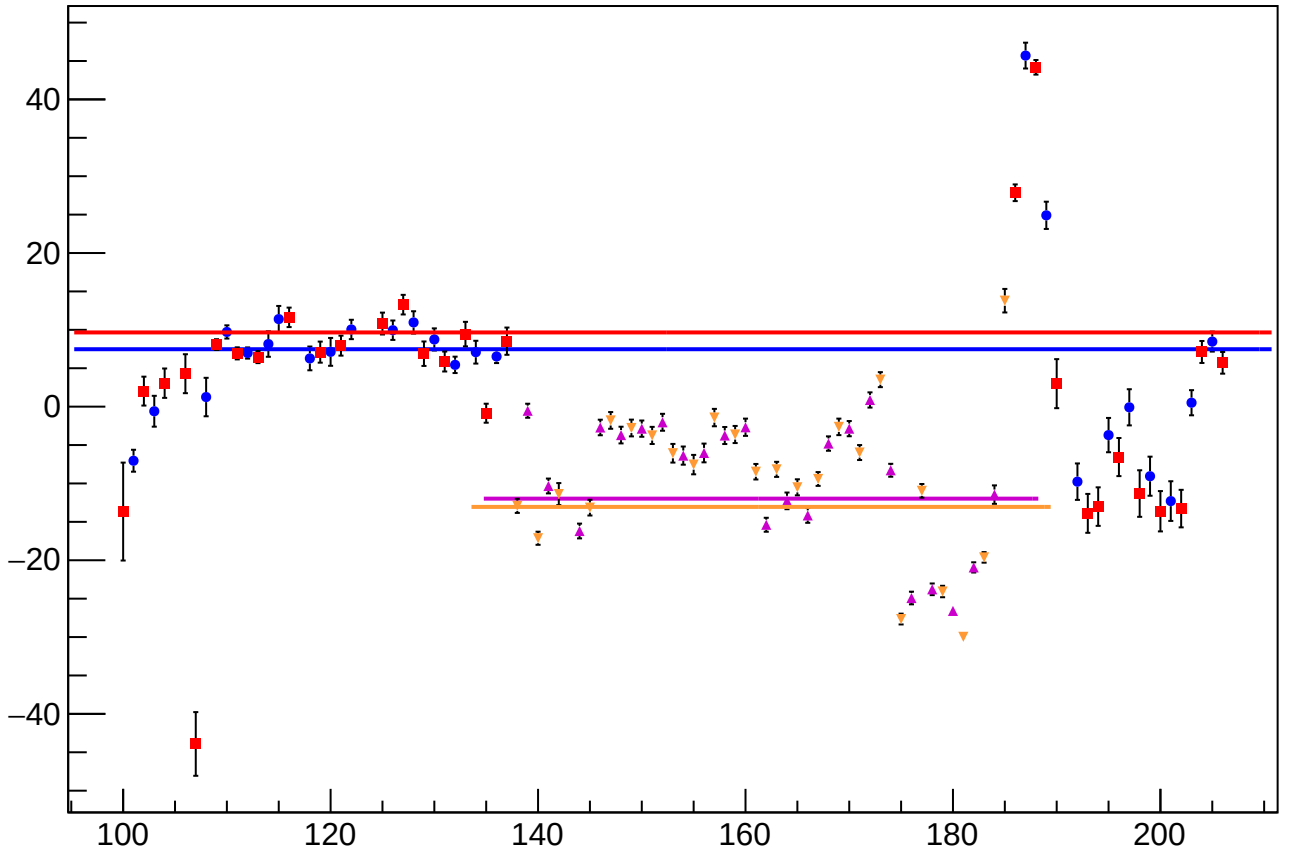
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

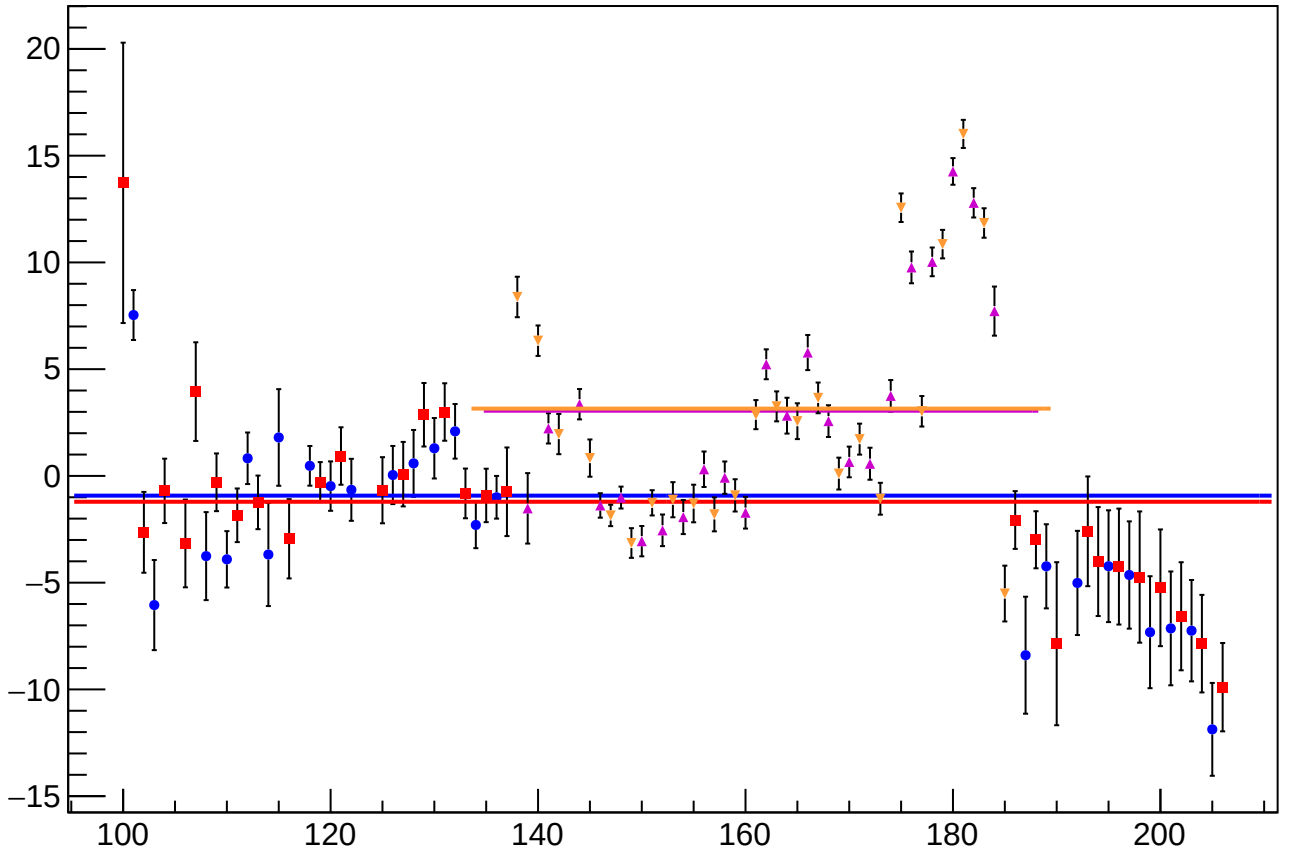
Right: -41.006+/-0.016 χ^2/NDF: 66259.6/53

In: -39.875+/-0.011 χ^2/NDF:129249.7/47

Out: -40.210+/-0.011 χ^2/NDF:178433.1/52

All: -40.043+/-0.008 χ^2/NDF: 308111.1/100


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.475+/-0.278 χ²/NDF: 979.7/24
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.660+/-0.257 χ²/NDF: 2387.1/28
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.655+/-0.188 χ²/NDF: 3400.1/53
In: -5.537+/-0.160 χ²/NDF:6435.4/47
Out: -4.859+/-0.154 χ²/NDF:10264.7/52
All: -5.185+/-0.111 χ²/NDF: 16709.4/100



Right In: -0.924+/-0.307 χ^2/NDF: 144.3/24

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.210+/-0.303 χ^2/NDF: 77.2/28

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

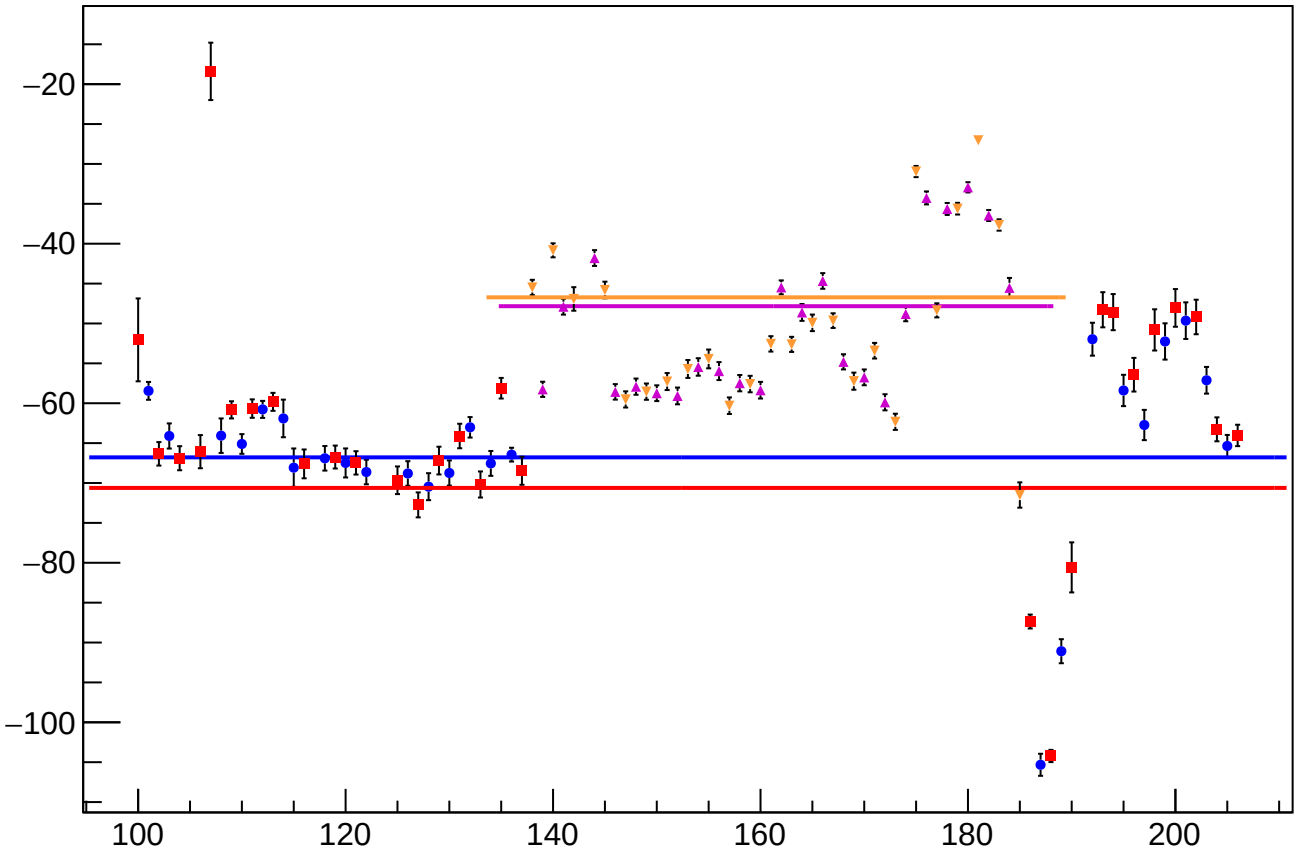
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

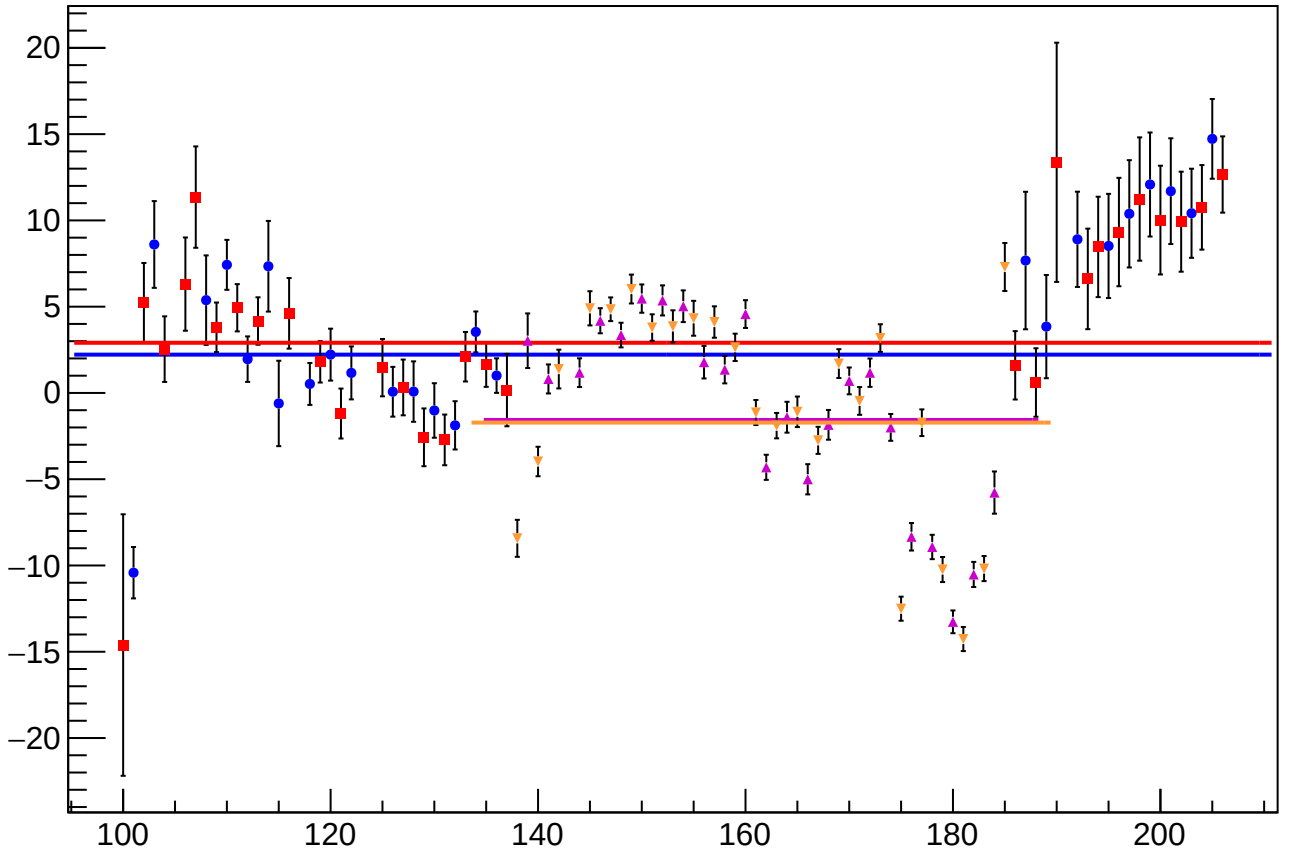
Right: -1.069+/-0.216 χ^2/NDF: 221.9/53

In: 2.270+/-0.136 χ^2/NDF:1424.5/47

Out: 2.304+/-0.134 χ^2/NDF:1628.9/52

All: 2.287+/-0.095 χ^2/NDF: 3053.4/100


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -66.786+/-0.302 χ²/NDF: 1360.6/24
Left Out: -46.724+/-0.192 χ²/NDF:3446.1/23
Right Out: -70.615+/-0.277 χ²/NDF: 3467.3/28
Left In: -47.835+/-0.194 χ²/NDF:2557.6/22
Left: -47.273+/-0.136 χ²/NDF: 6020.3/46
Right: -68.861+/-0.204 χ²/NDF: 4915.1/53
In: -53.370+/-0.163 χ²/NDF:6709.3/47
Out: -54.435+/-0.158 χ²/NDF:11934.4/52
All: -53.920+/-0.113 χ²/NDF: 18665.7/100



Right In: 2.220+/-0.350 χ^2/NDF: 198.6/24

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.909+/-0.351 χ^2/NDF: 120.6/28

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

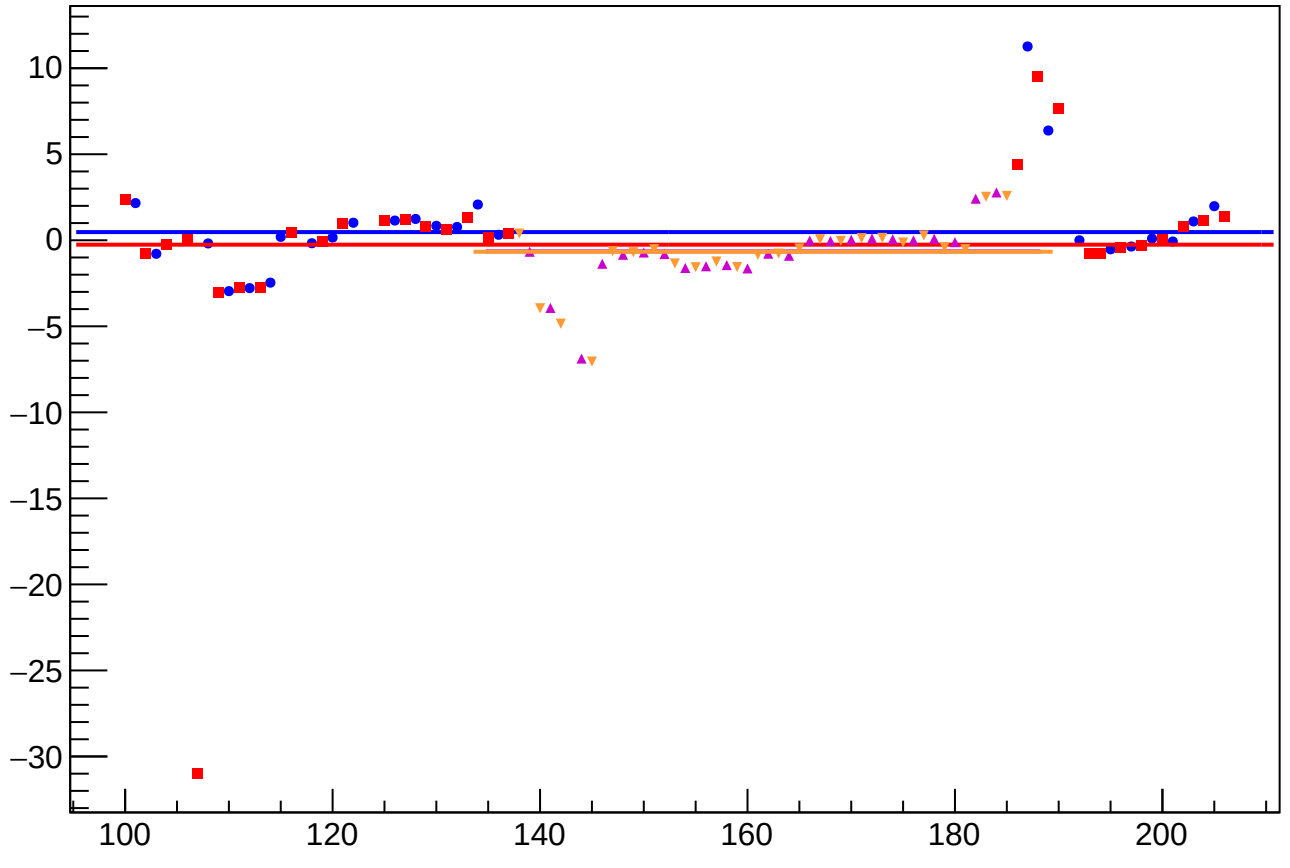
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.563+/-0.248 χ^2/NDF: 321.1/53

In: -0.840+/-0.153 χ^2/NDF:1410.8/47

Out: -0.857+/-0.151 χ^2/NDF:1668.2/52

All: -0.848+/-0.108 χ^2/NDF: 3079.0/100



Right In: 0.475+/-0.018 χ^2/NDF: 9892.1/24

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.256+/-0.018 χ^2/NDF: 60728.3/28

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

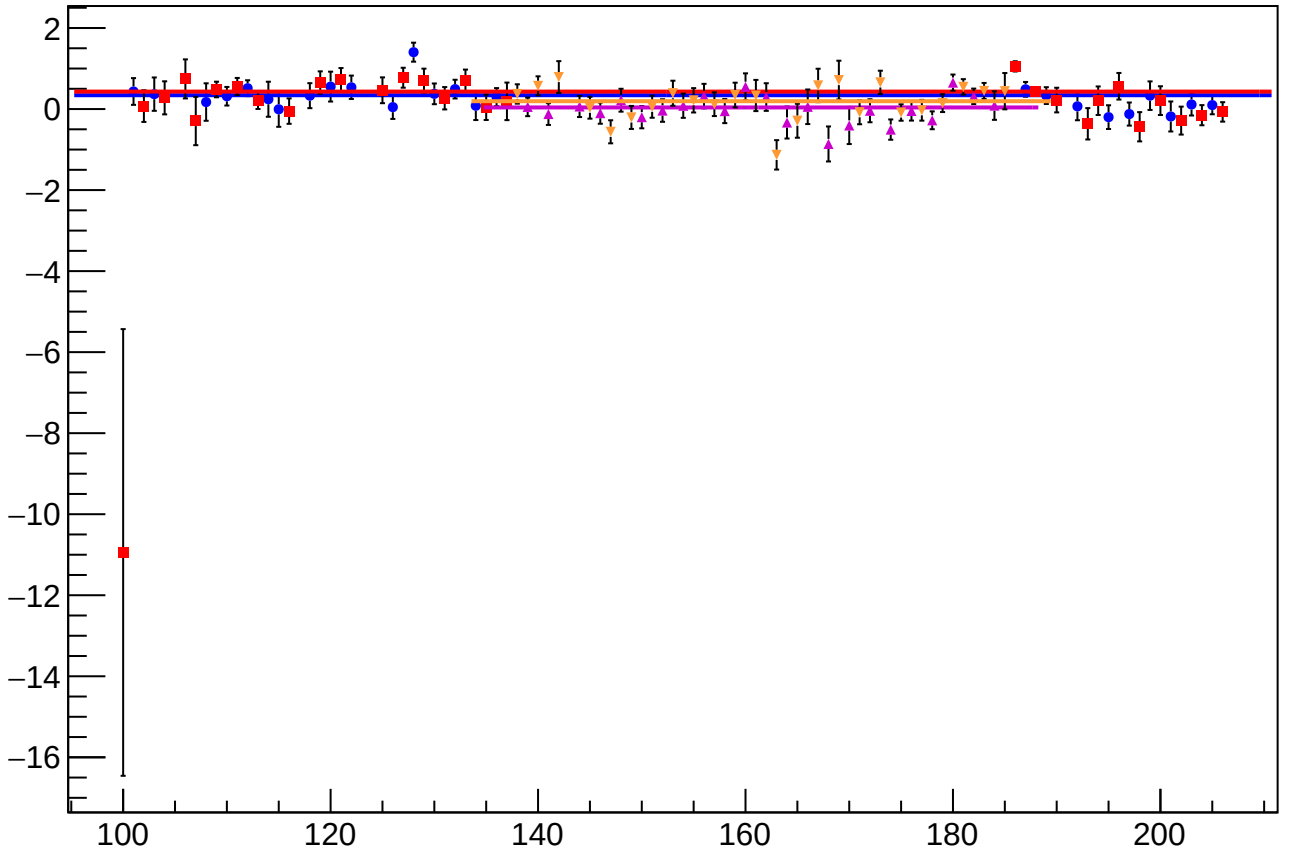
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.109+/-0.013 χ^2/NDF: 71458.0/53

In: -0.477+/-0.007 χ^2/NDF:58798.9/47

Out: -0.604+/-0.007 χ^2/NDF:116452.9/52

All: -0.541+/-0.005 χ^2/NDF: 175420.3/100



Right In: 0.341+/-0.055 χ^2/NDF: 36.3/24

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.431+/-0.047 χ^2/NDF: 68.4/28

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

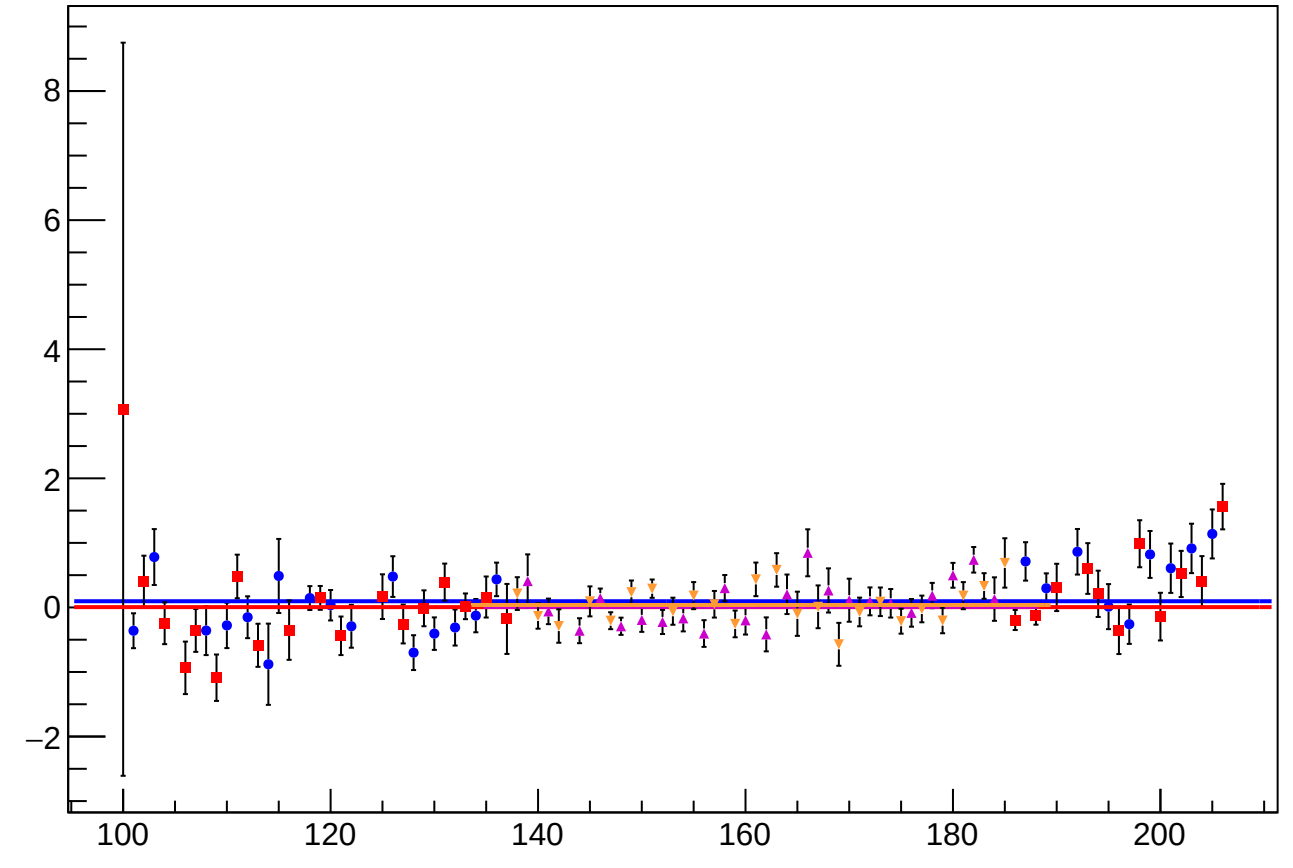
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.393+/-0.036 χ^2/NDF: 106.3/53

In: 0.198+/-0.040 χ^2/NDF:81.2/47

Out: 0.335+/-0.036 χ^2/NDF:123.0/52

All: 0.273+/-0.027 χ^2/NDF: 210.7/100



Right In: 0.096+/-0.061 χ^2/NDF: 60.7/24

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.005+/-0.054 χ^2/NDF: 66.1/28

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

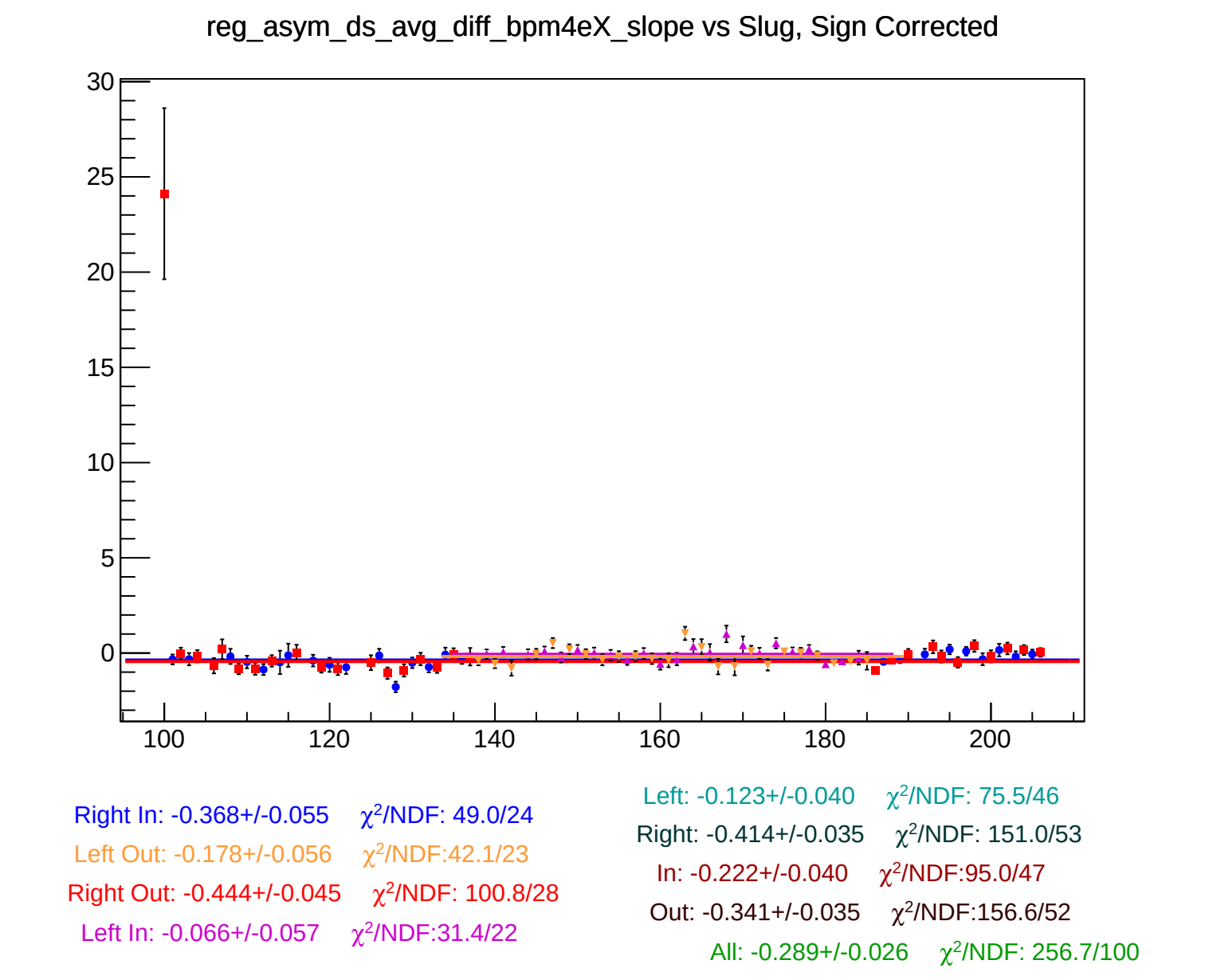
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.046+/-0.040 χ^2/NDF: 128.0/53

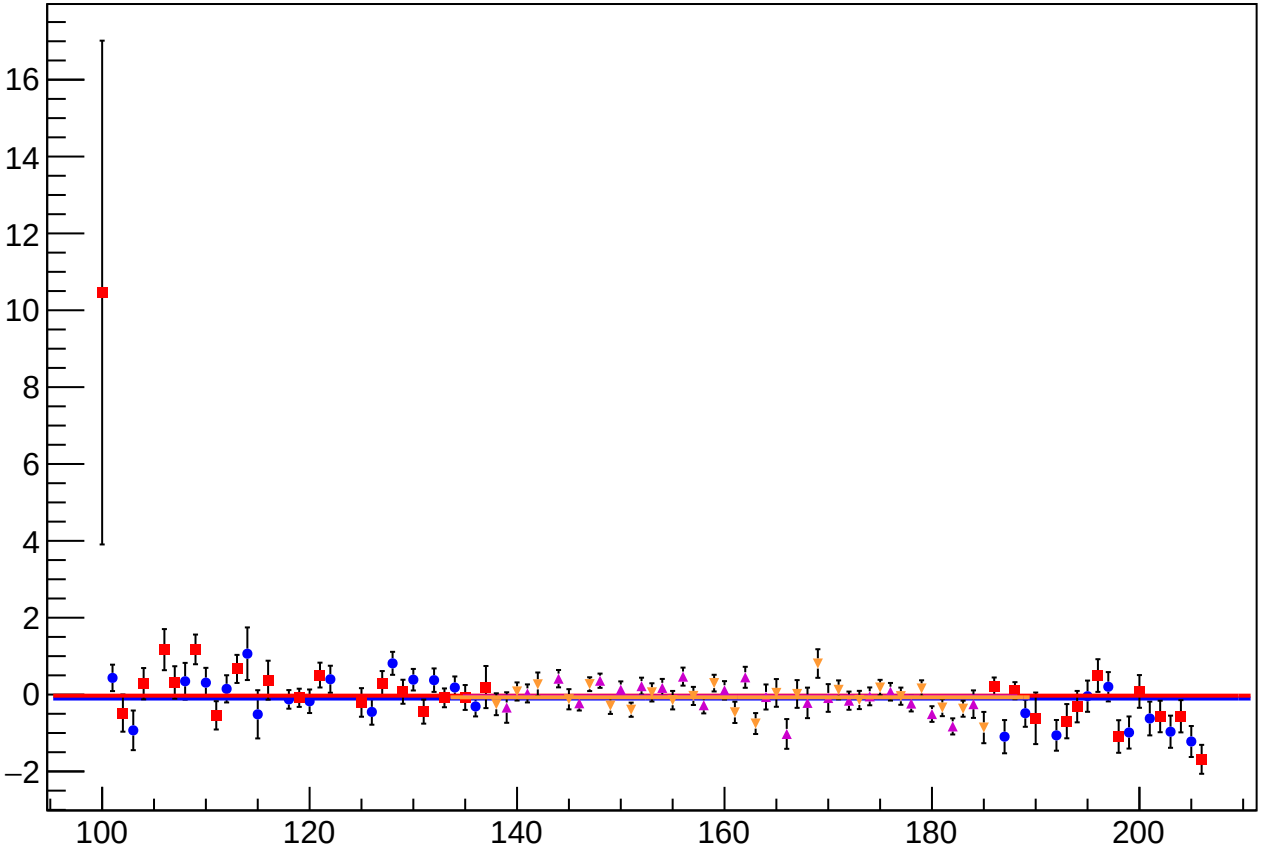
In: 0.039+/-0.036 χ^2/NDF:113.4/47

Out: 0.025+/-0.034 χ^2/NDF:99.1/52

All: 0.032+/-0.025 χ^2/NDF: 212.6/100


reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.368+/-0.055 χ2/NDF: 49.0/24
Left Out: -0.178+/-0.056 χ2/NDF:42.1/23
Right Out: -0.444+/-0.045 χ2/NDF: 100.8/28
Left In: -0.066+/-0.057 χ2/NDF:31.4/22
Left: -0.123+/-0.040 χ2/NDF: 75.5/46
Right: -0.414+/-0.035 χ2/NDF: 151.0/53
In: -0.222+/-0.040 χ2/NDF:95.0/47
Out: -0.341+/-0.035 χ2/NDF:156.6/52
All: -0.289+/-0.026 χ2/NDF: 256.7/100

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.103+/-0.071 χ^2/NDF: 61.3/24

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.028+/-0.066 χ^2/NDF: 67.3/28

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

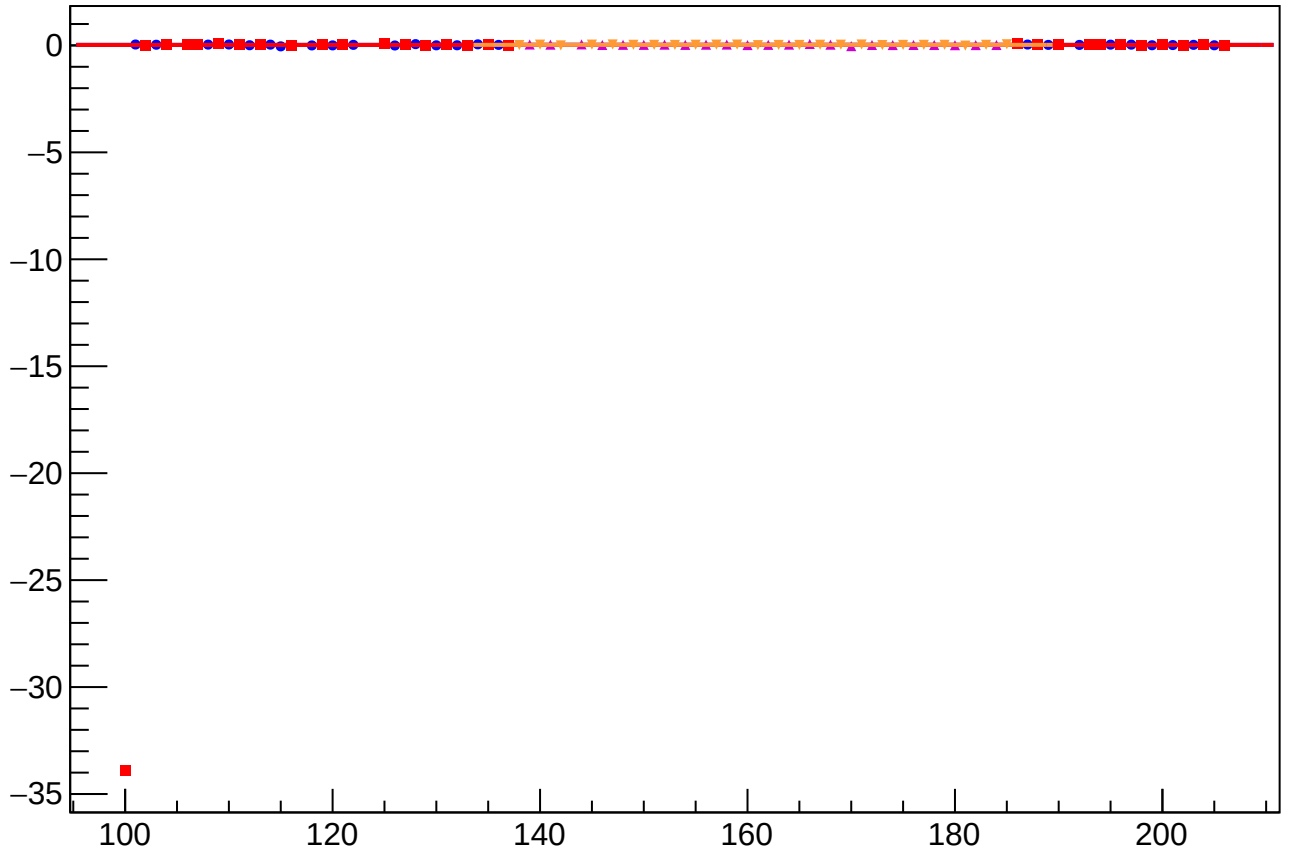
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.063+/-0.049 χ^2/NDF: 129.1/53

In: -0.066+/-0.041 χ^2/NDF:112.1/47

Out: -0.056+/-0.040 χ^2/NDF:105.3/52

All: -0.061+/-0.028 χ^2/NDF: 217.4/100



Right In: 0.025+/-0.003 χ^2/NDF: 20.2/24

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.0/28

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

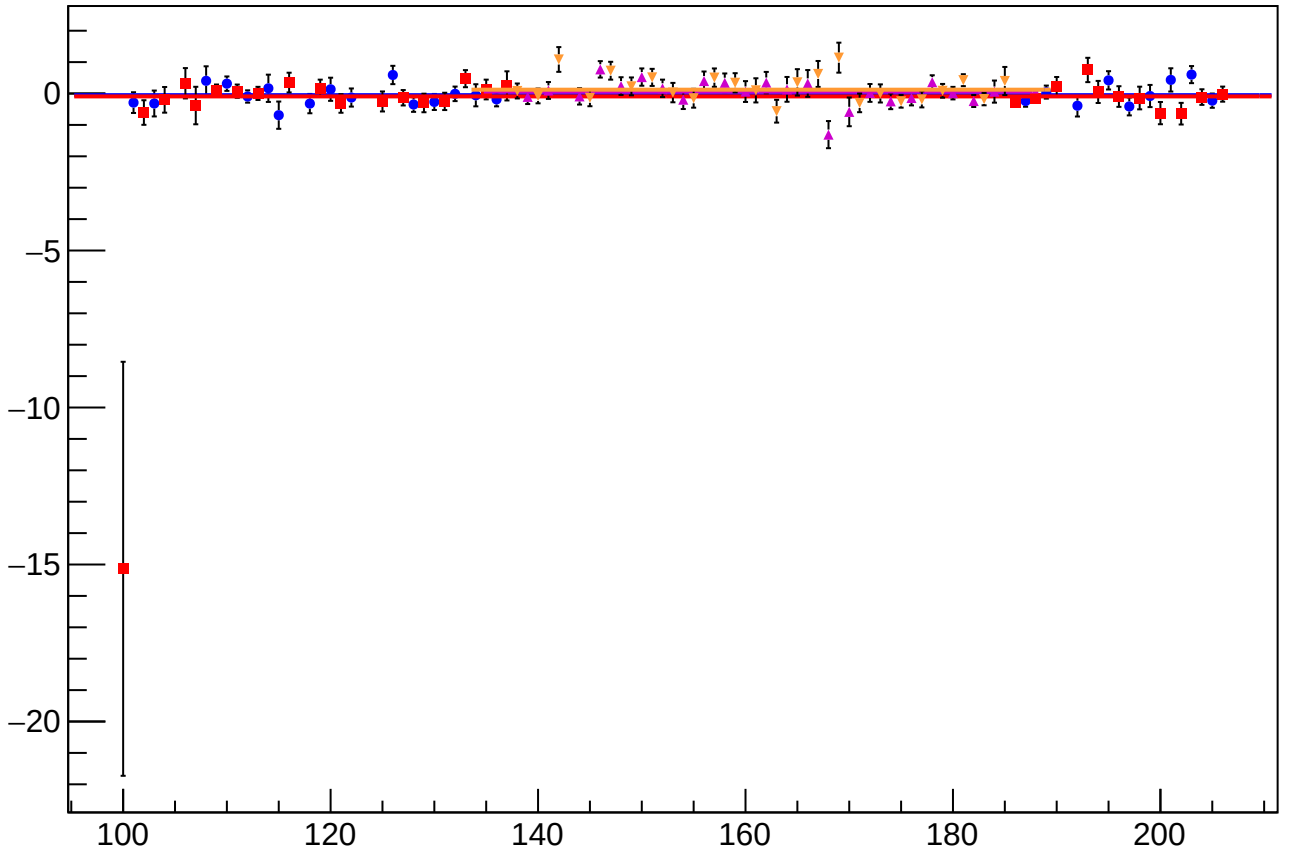
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.024+/-0.002 χ^2/NDF: 22335.6/53

In: 0.026+/-0.002 χ^2/NDF:59.8/47

Out: 0.025+/-0.002 χ^2/NDF:22347.6/52

All: 0.025+/-0.001 χ^2/NDF: 22407.5/100



Right In: -0.052+/-0.055 χ^2/NDF: 30.1/24

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.092+/-0.047 χ^2/NDF: 33.6/28

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

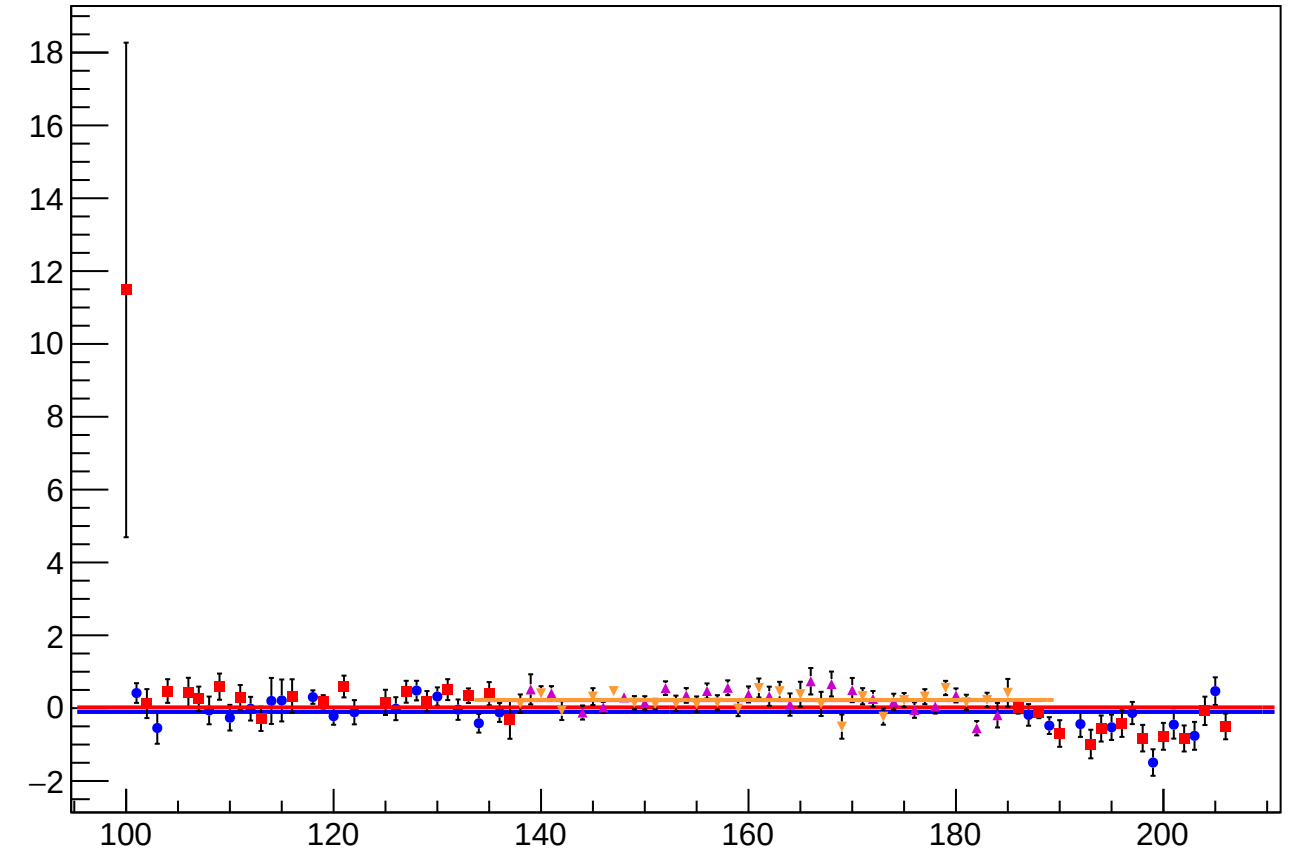
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.075+/-0.036 χ^2/NDF: 64.0/53

In: 0.003+/-0.040 χ^2/NDF:66.5/47

Out: -0.005+/-0.036 χ^2/NDF:81.7/52

All: -0.001+/-0.027 χ^2/NDF: 148.2/100



Right In: -0.104+/-0.061 χ^2/NDF: 45.5/24

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.021+/-0.054 χ^2/NDF: 58.4/28

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

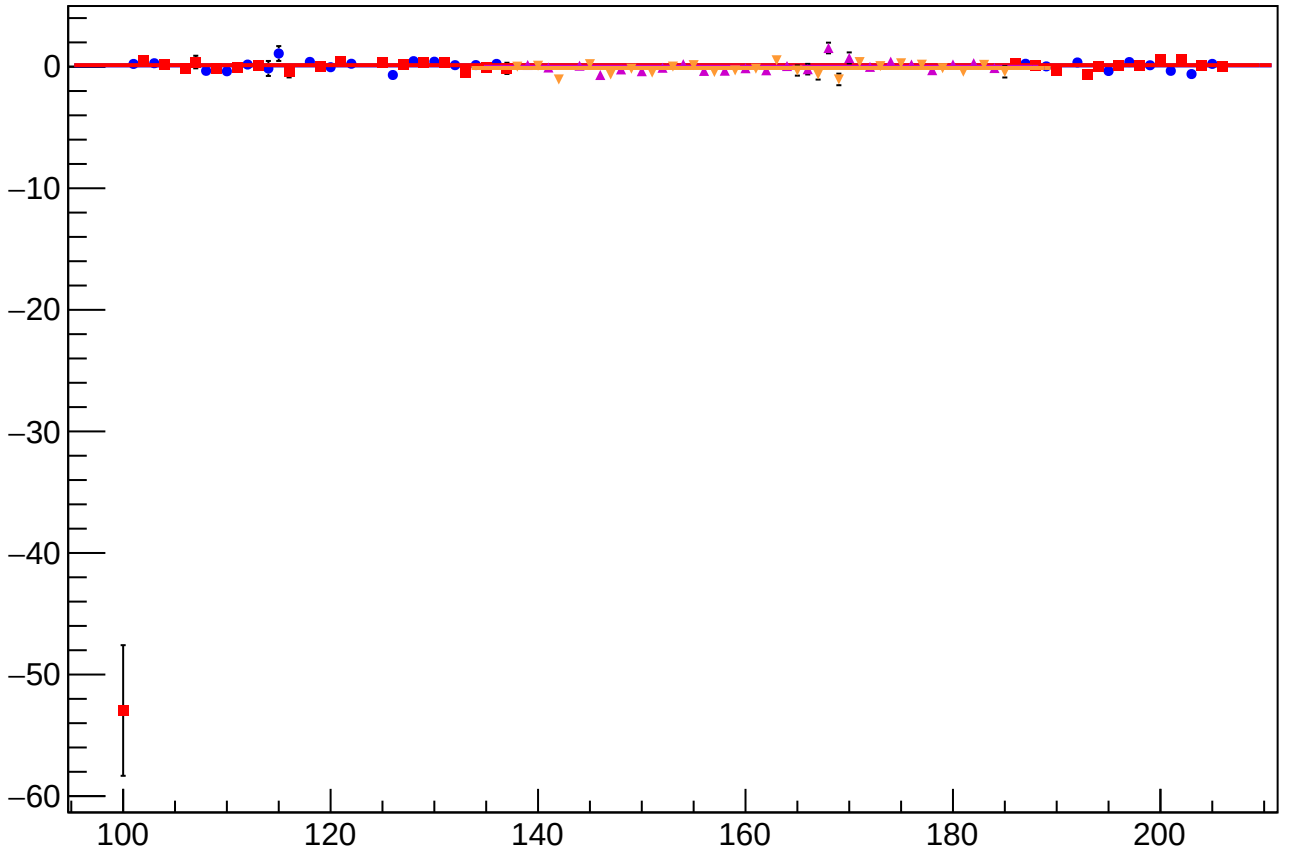
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.035+/-0.040 χ^2/NDF: 106.3/53

In: 0.108+/-0.036 χ^2/NDF:103.6/47

Out: 0.146+/-0.034 χ^2/NDF:91.1/52

All: 0.128+/-0.025 χ^2/NDF: 195.4/100



Right In: 0.108+/-0.055 χ^2/NDF: 31.2/24

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.129+/-0.045 χ^2/NDF: 122.8/28

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

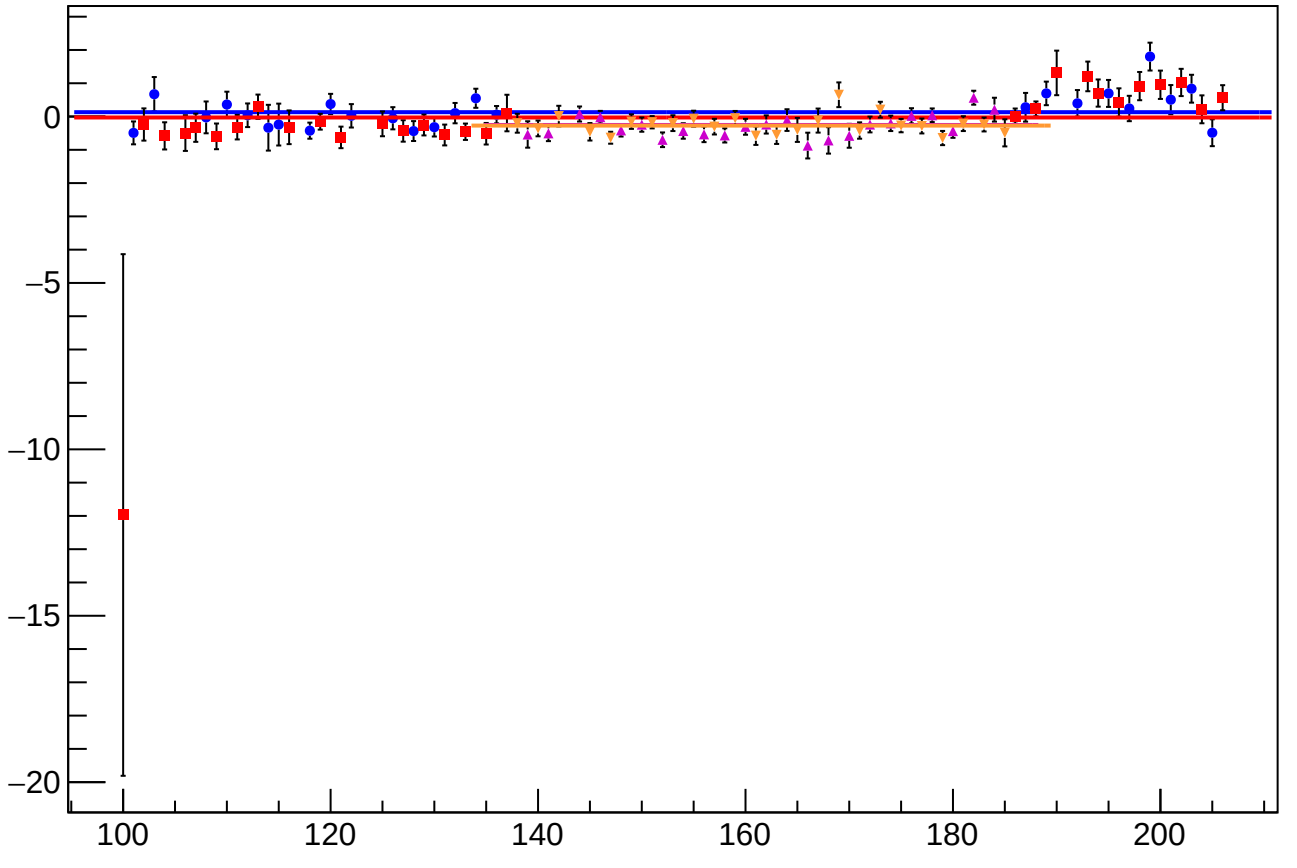
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.121+/-0.035 χ^2/NDF: 154.0/53

In: 0.051+/-0.040 χ^2/NDF:71.3/47

Out: 0.038+/-0.035 χ^2/NDF:170.9/52

All: 0.044+/-0.026 χ^2/NDF: 242.3/100



Right In: 0.131+/-0.071 χ^2/NDF: 47.4/24

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.029+/-0.066 χ^2/NDF: 61.0/28

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

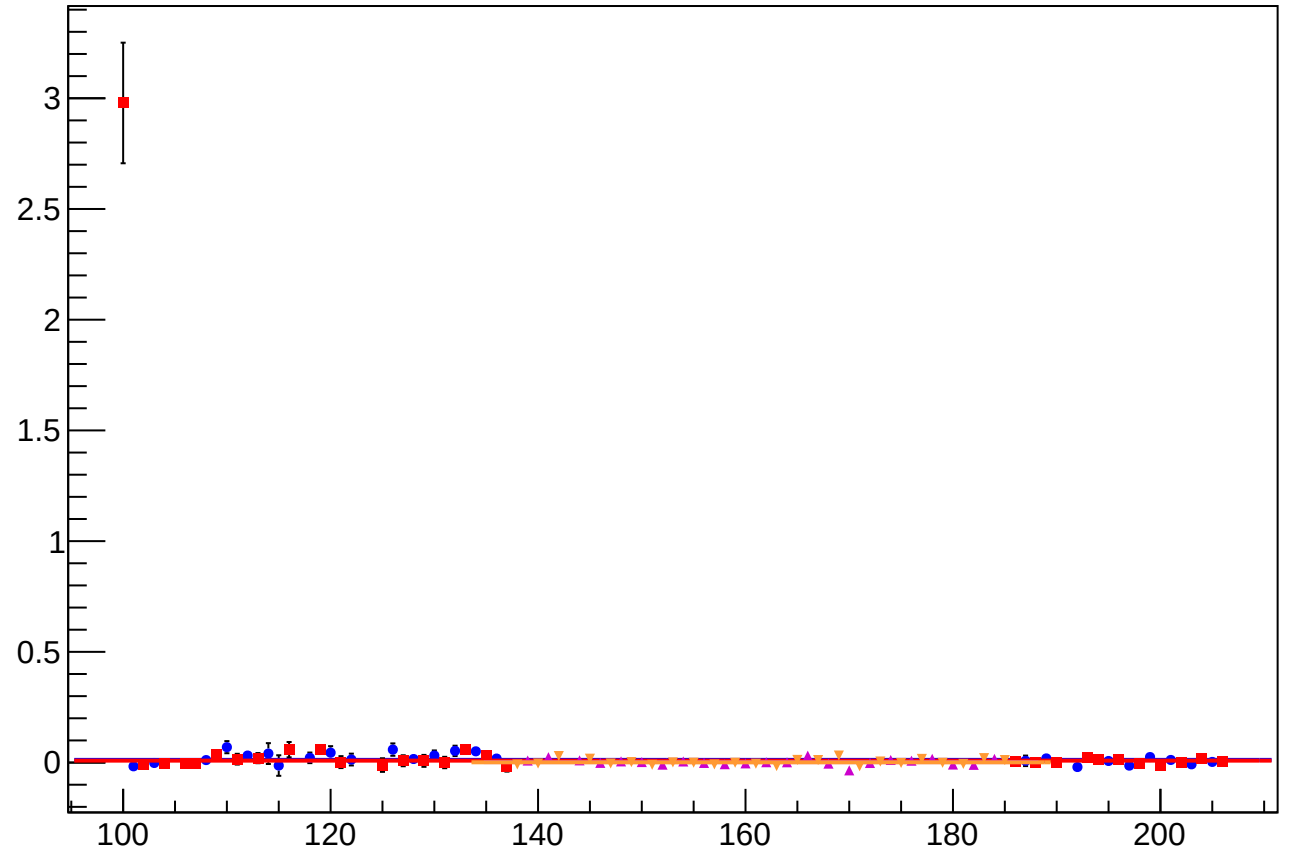
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.045+/-0.049 χ^2/NDF: 111.0/53

In: -0.126+/-0.041 χ^2/NDF:107.5/47

Out: -0.185+/-0.040 χ^2/NDF:94.4/52

All: -0.157+/-0.028 χ^2/NDF: 203.0/100



Right In: 0.012+/-0.003 χ^2/NDF: 40.0/24

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.7/28

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

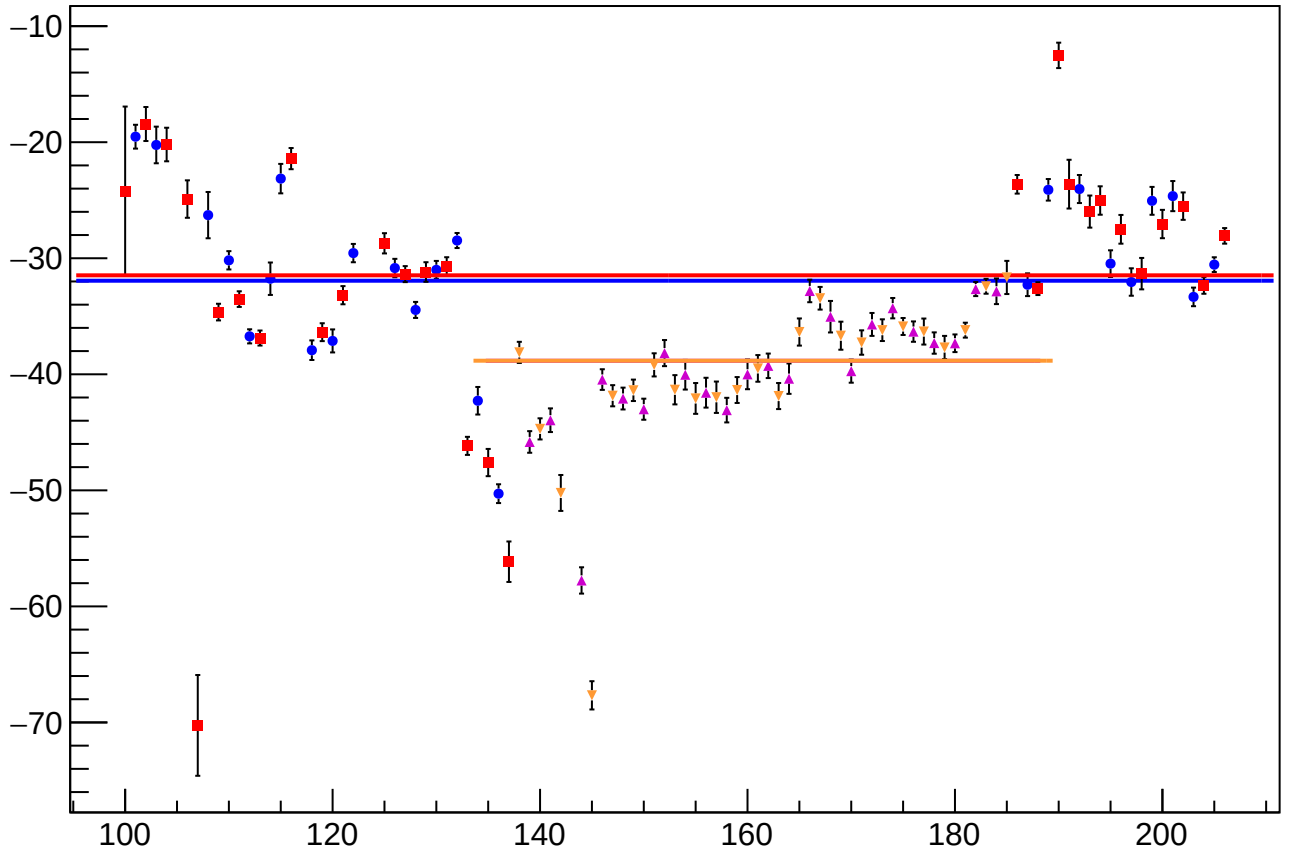
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

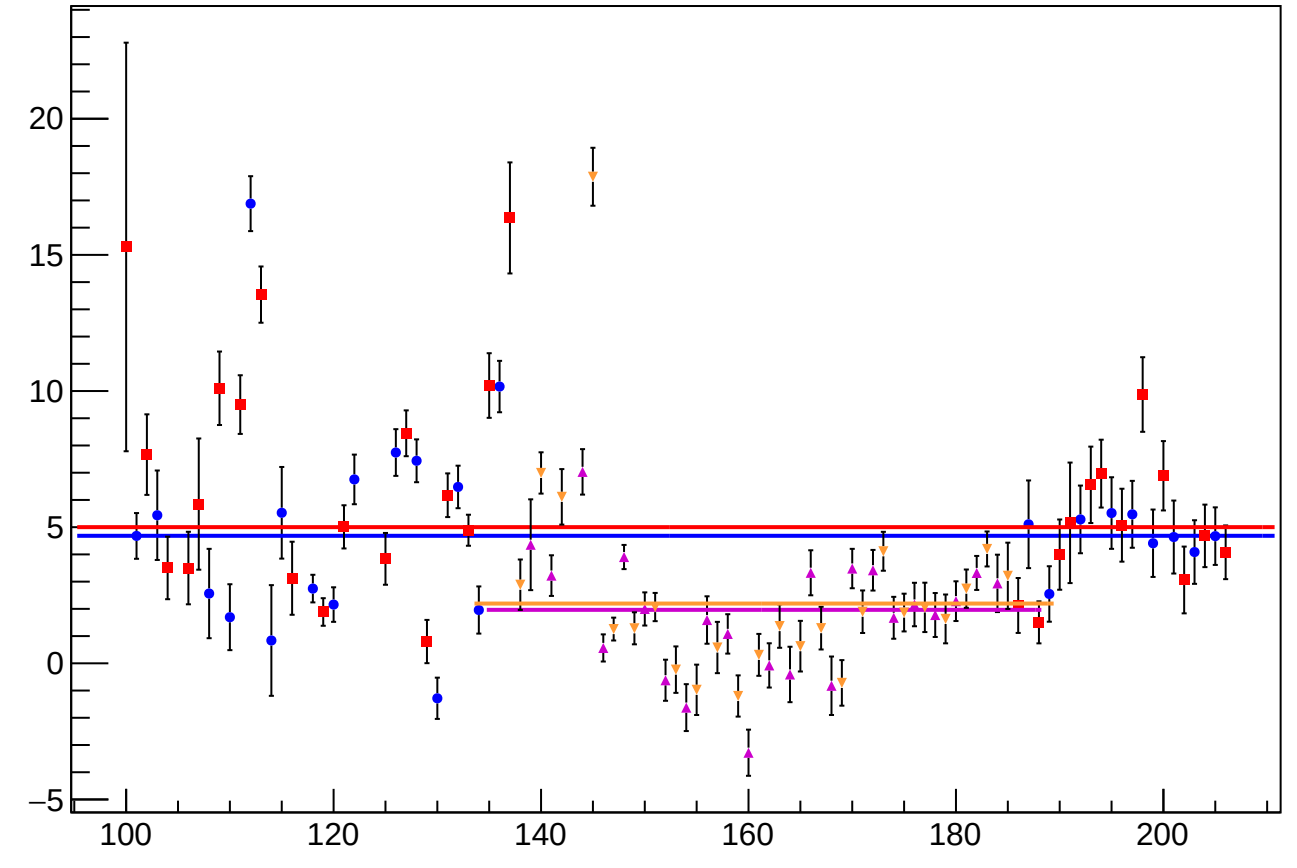
Right: 0.010+/-0.002 χ^2/NDF: 190.2/53

In: 0.005+/-0.002 χ^2/NDF:70.5/47

Out: 0.004+/-0.002 χ^2/NDF:180.3/52

All: 0.004+/-0.001 χ^2/NDF: 251.2/100


reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -31.936+/-0.180 χ²/NDF: 1232.5/24
Left Out: -38.829+/-0.202 χ²/NDF:917.0/23
Right Out: -31.472+/-0.168 χ²/NDF: 1792.2/29
Left In: -38.837+/-0.203 χ²/NDF:653.4/22
Left: -38.833+/-0.143 χ²/NDF: 1570.4/46
Right: -31.687+/-0.123 χ²/NDF: 3028.3/54
In: -34.975+/-0.135 χ²/NDF:2530.2/47
Out: -34.474+/-0.129 χ²/NDF:3494.1/53
All: -34.713+/-0.093 χ²/NDF: 6031.5/101



Right In: 4.683+/-0.193 χ^2/NDF: 335.5/24

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.001+/-0.186 χ^2/NDF: 298.0/29

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

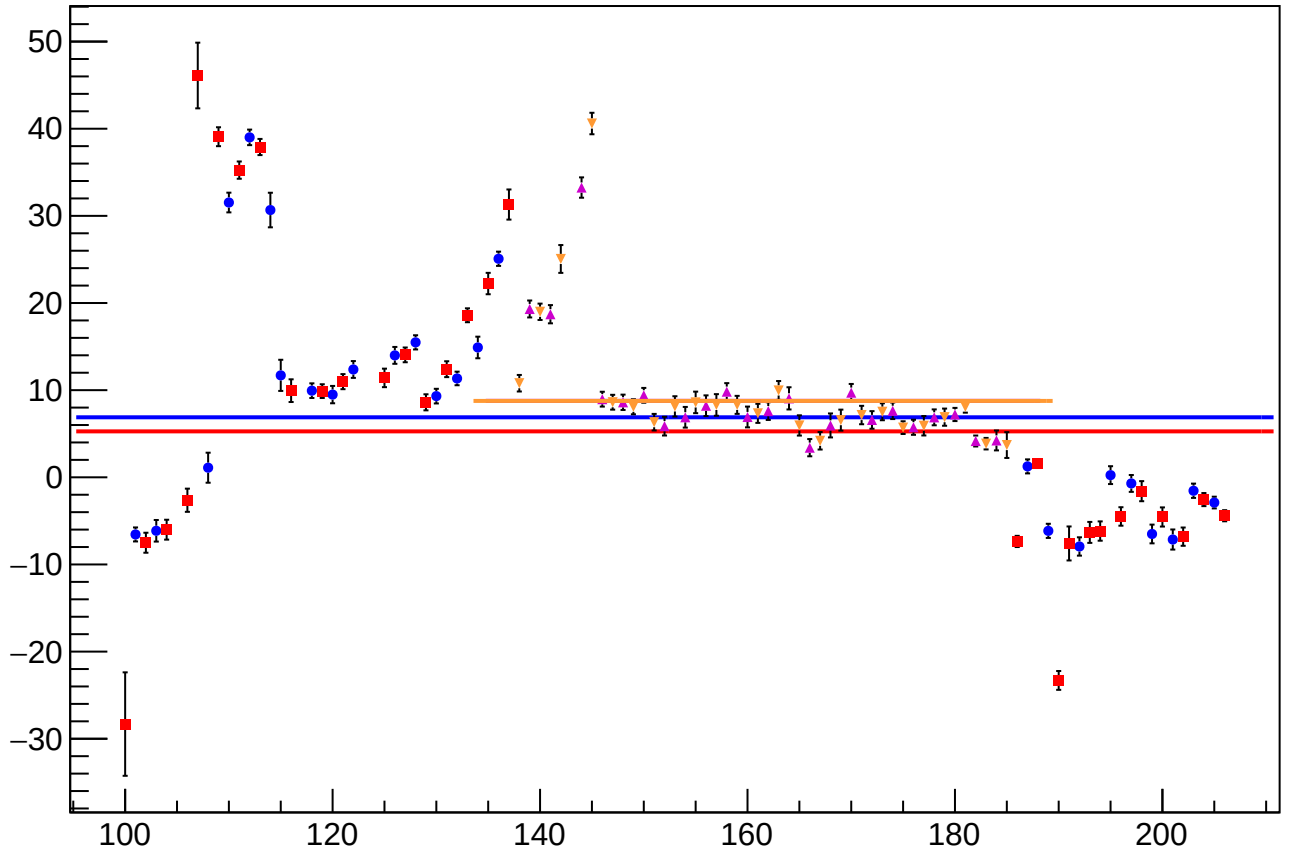
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.848+/-0.134 χ^2/NDF: 634.9/54

In: 3.029+/-0.121 χ^2/NDF:629.6/47

Out: 3.318+/-0.118 χ^2/NDF:799.2/53

All: 3.177+/-0.084 χ^2/NDF: 1431.8/101



Right In: 6.886+/-0.190 χ^2/NDF: 4350.0/24

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 5.271+/-0.172 χ^2/NDF: 6602.3/29

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

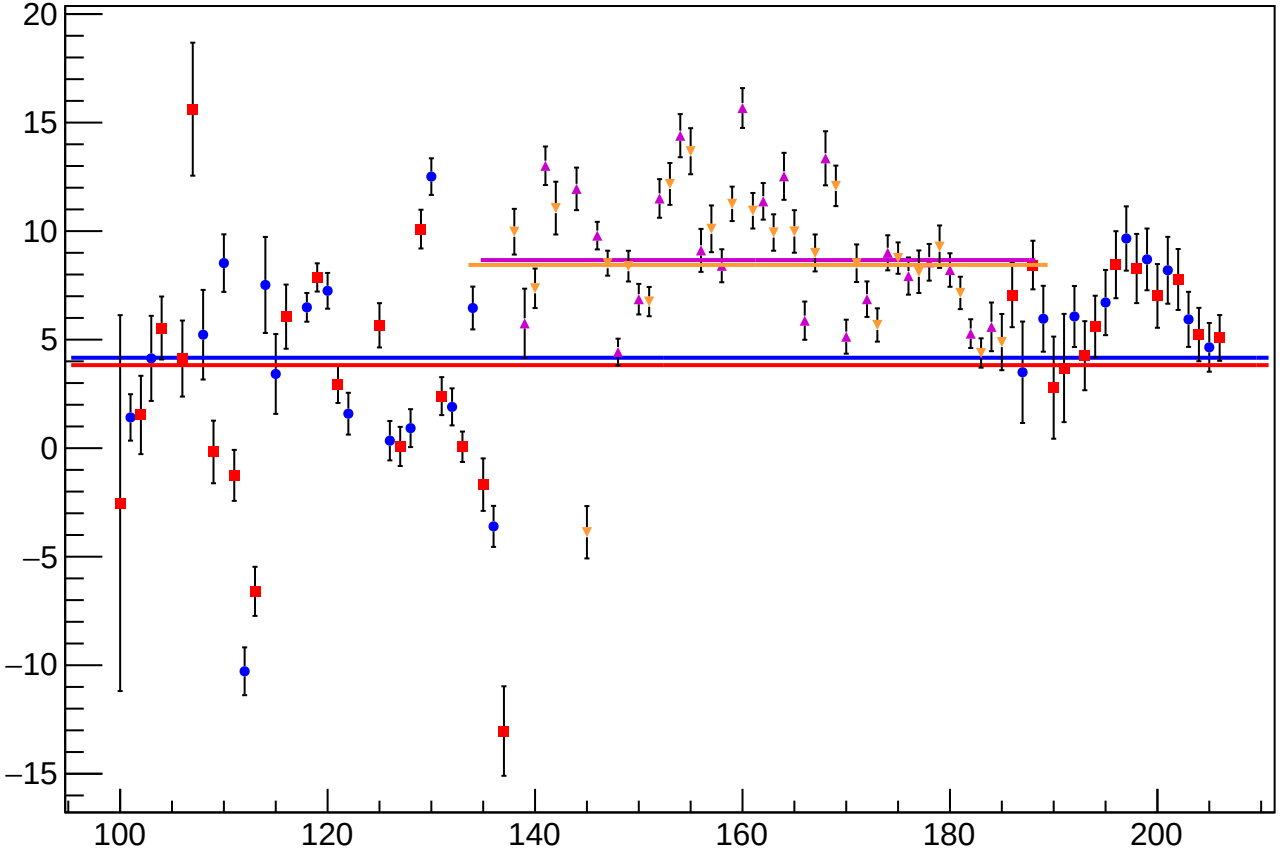
Right: 6.000+/-0.128 χ^2/NDF: 10992.0/54

In: 7.774+/-0.138 χ^2/NDF:5191.5/47

Out: 6.755+/-0.131 χ^2/NDF:7812.5/53

All: 7.236+/-0.095 χ^2/NDF: 13032.7/101

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.166+/-0.224 χ^2/NDF: 474.0/24

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.825+/-0.219 χ^2/NDF: 416.3/29

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

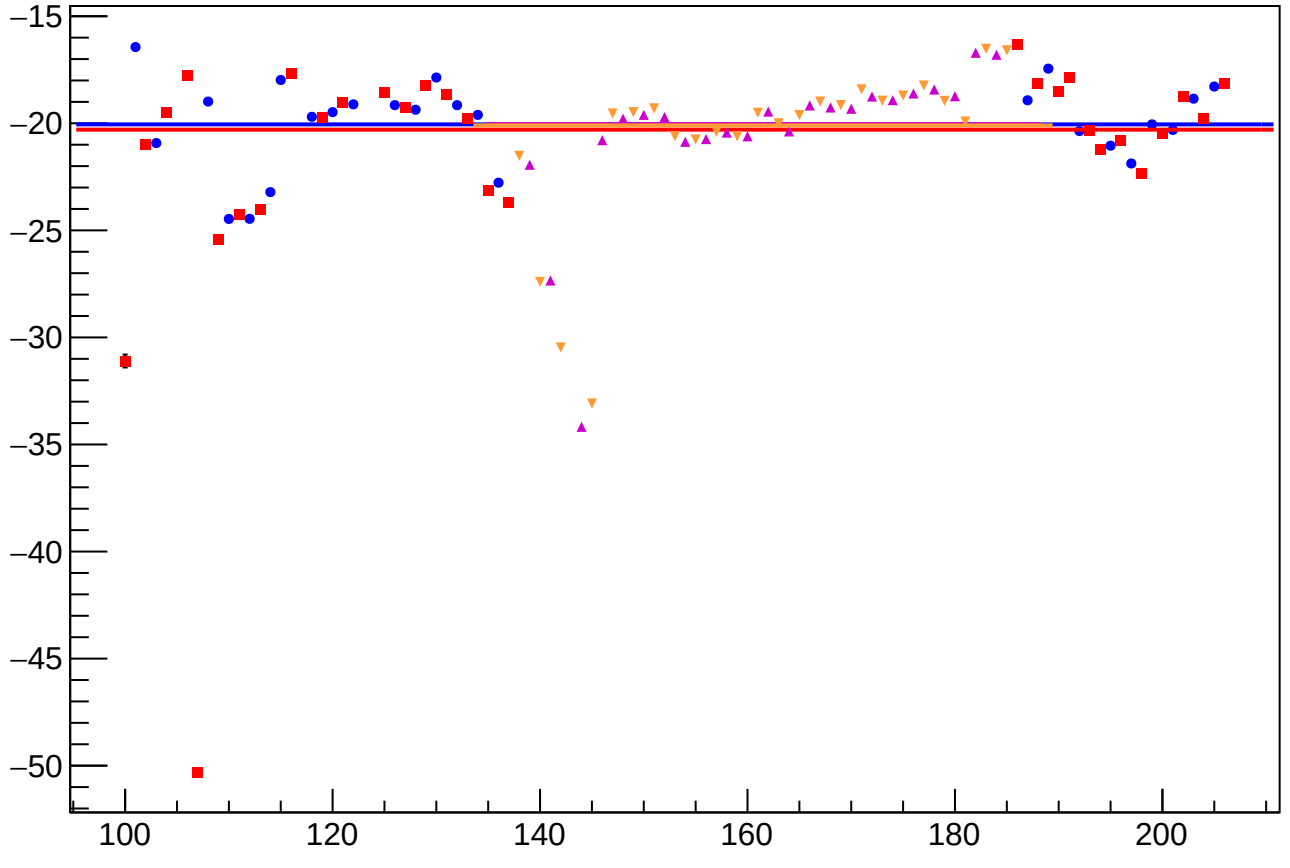
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

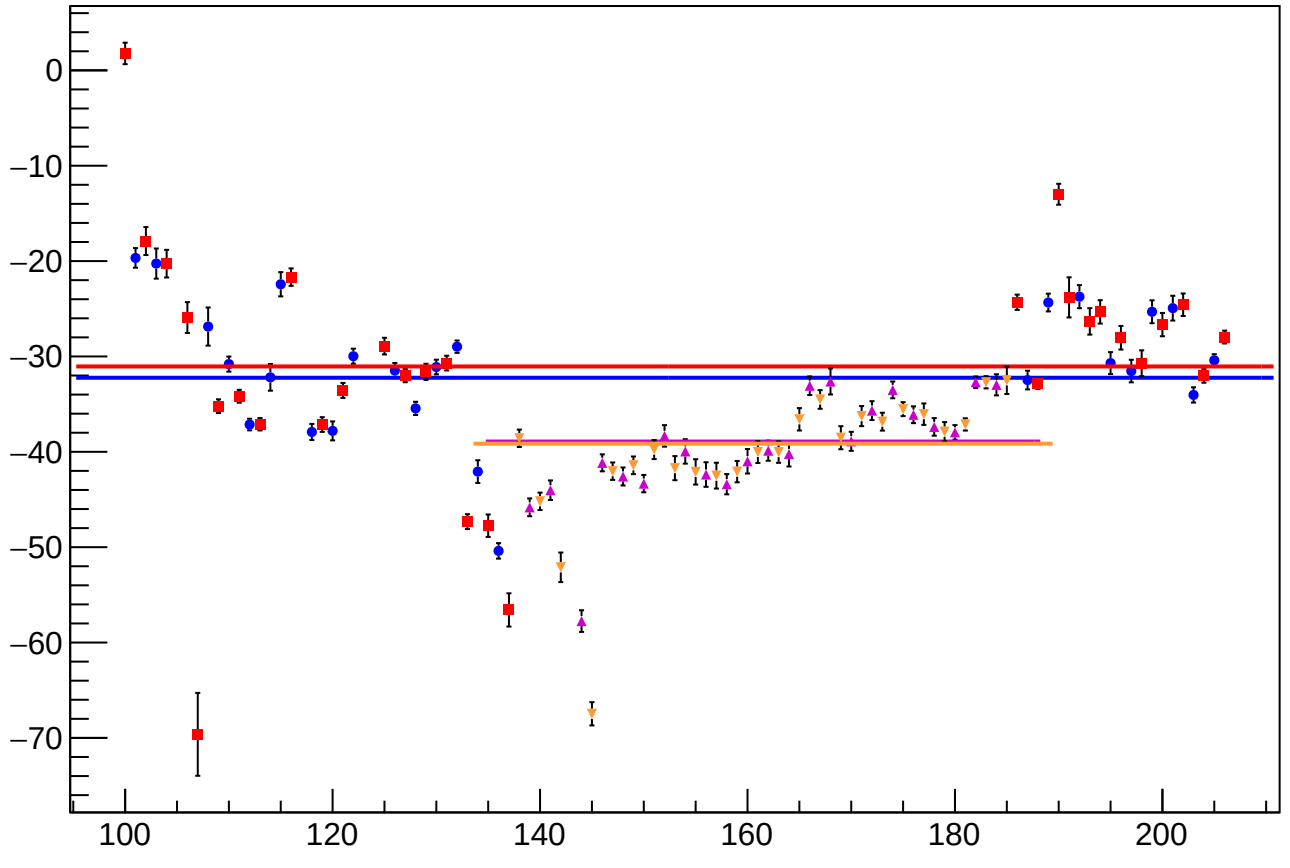
Right: 3.991+/-0.156 χ^2/NDF: 891.5/54

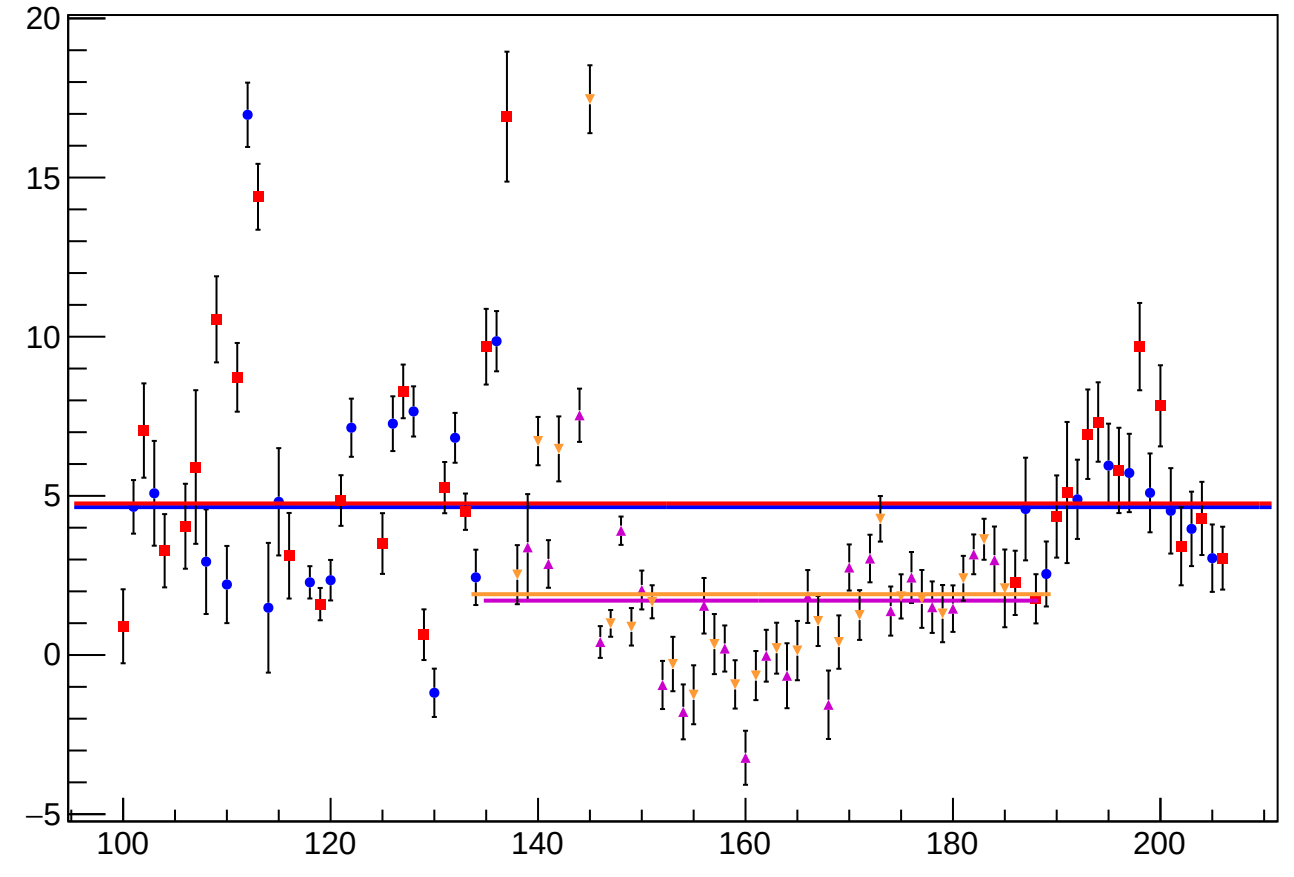
In: 6.954+/-0.138 χ^2/NDF:1028.5/47

Out: 6.656+/-0.136 χ^2/NDF:954.3/53

All: 6.803+/-0.097 χ^2/NDF: 1985.2/101


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
120
140
160
180
200
Right In: -20.051+/-0.011 χ²/NDF: 25597.0/24
Left Out: -20.096+/-0.008 χ²/NDF:159293.0/23
Right Out: -20.296+/-0.011 χ²/NDF: 71472.4/29
Left In: -20.037+/-0.008 χ²/NDF:132291.6/22
Left: -20.067+/-0.006 χ²/NDF: 291612.1/46
Right: -20.181+/-0.008 χ²/NDF: 97310.7/54
In: -20.042+/-0.007 χ²/NDF:157889.6/47
Out: -20.166+/-0.006 χ²/NDF:230989.1/53
All: -20.105+/-0.005 χ²/NDF: 389064.0/101


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -32.234+/-0.181 χ²/NDF: 1244.9/24
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.049+/-0.166 χ²/NDF: 2719.1/29
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.592+/-0.122 χ²/NDF: 3987.3/54
In: -35.179+/-0.135 χ²/NDF:2532.0/47
Out: -34.311+/-0.128 χ²/NDF:4573.8/53
All: -34.723+/-0.093 χ²/NDF: 7127.5/101



Right In: 4.646+/-0.193 χ^2/NDF: 334.7/24

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.762+/-0.184 χ^2/NDF: 325.0/29

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

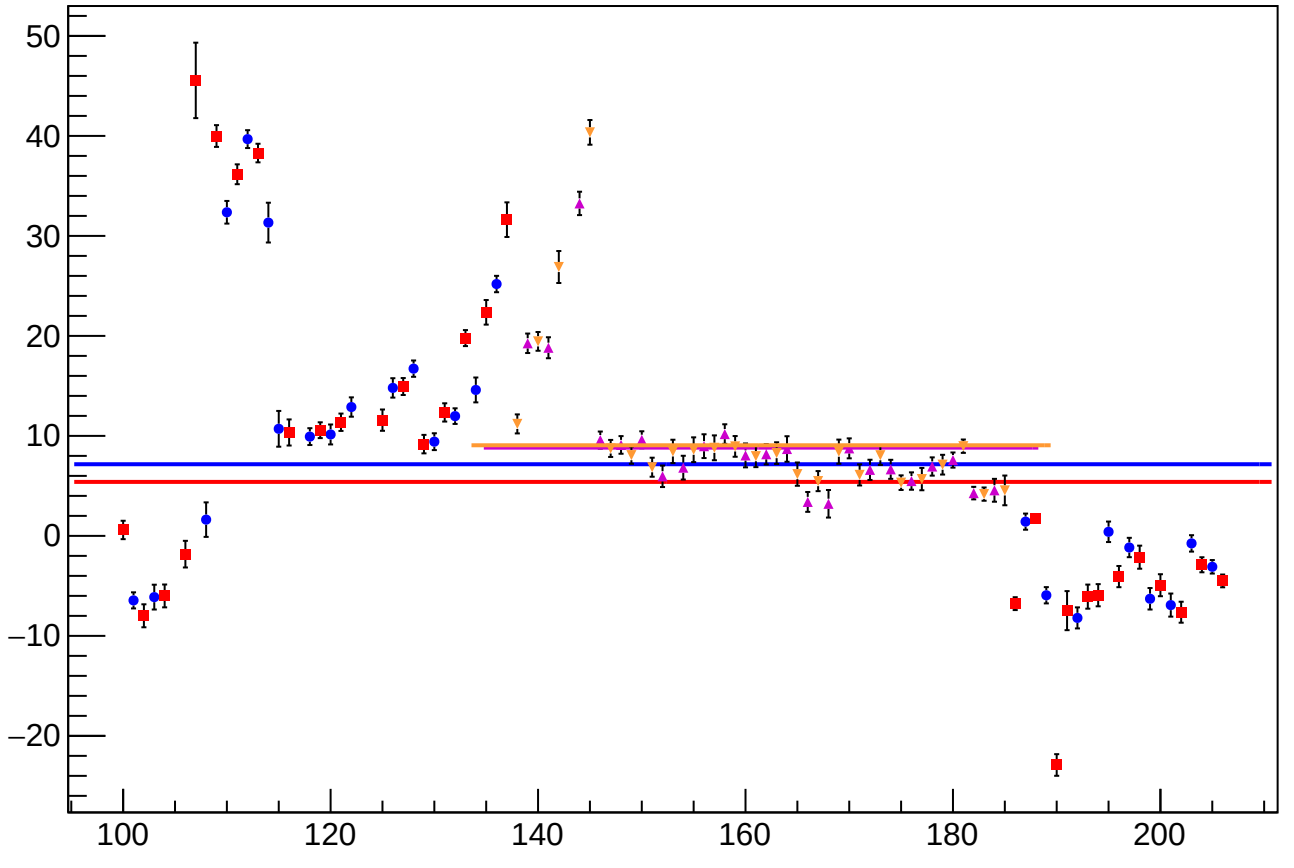
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.707+/-0.133 χ^2/NDF: 659.9/54

In: 2.859+/-0.121 χ^2/NDF:657.9/47

Out: 3.069+/-0.117 χ^2/NDF:826.4/53

All: 2.967+/-0.084 χ^2/NDF: 1485.8/101



Right In: 7.165+/-0.190 χ^2/NDF: 4470.0/24

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.398+/-0.170 χ^2/NDF: 6785.3/29

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

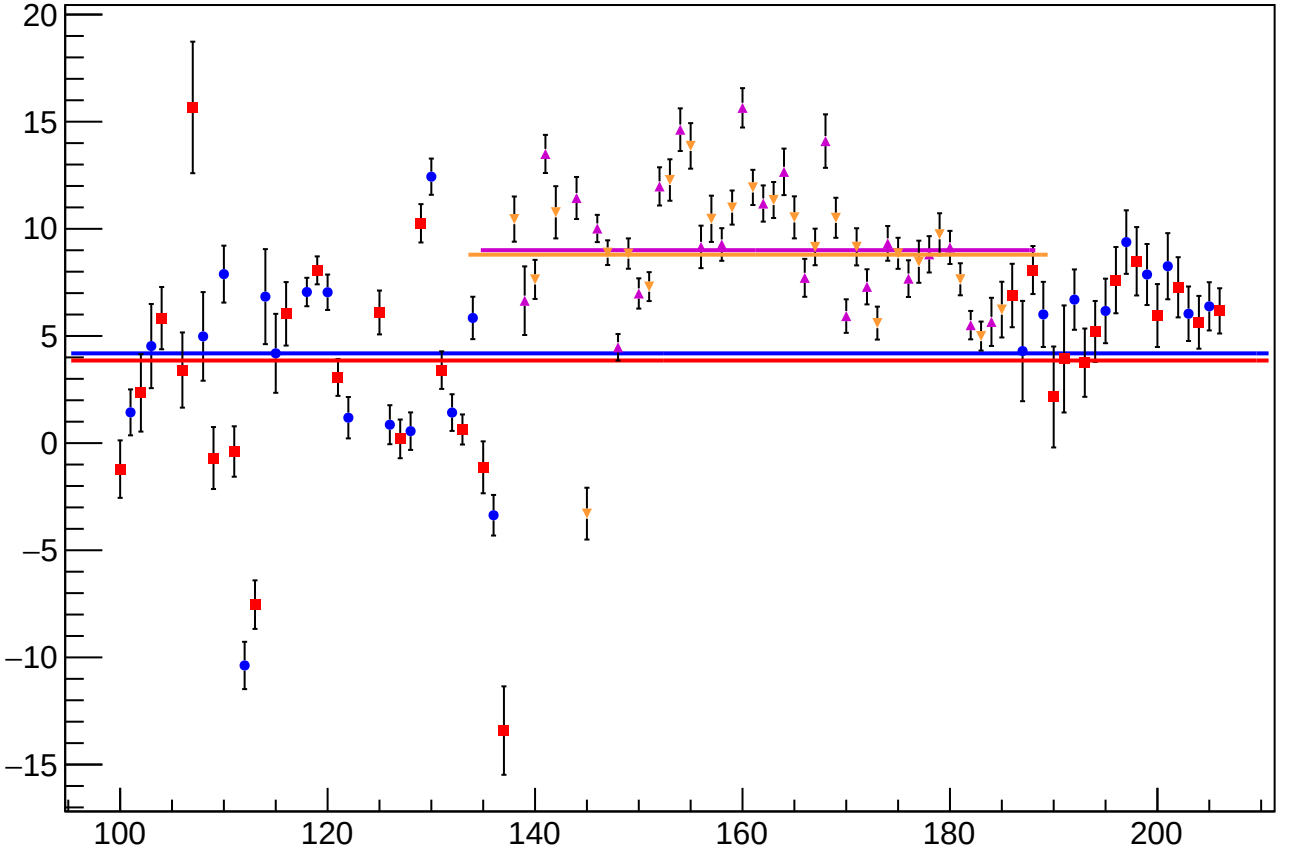
Right: 6.181+/-0.127 χ^2/NDF: 11303.3/54

In: 7.947+/-0.138 χ^2/NDF:5307.2/47

Out: 6.923+/-0.130 χ^2/NDF:8012.8/53

All: 7.401+/-0.095 χ^2/NDF: 13349.2/101

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.188+/-0.225 χ^2/NDF: 471.0/24

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.855+/-0.216 χ^2/NDF: 430.1/29

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

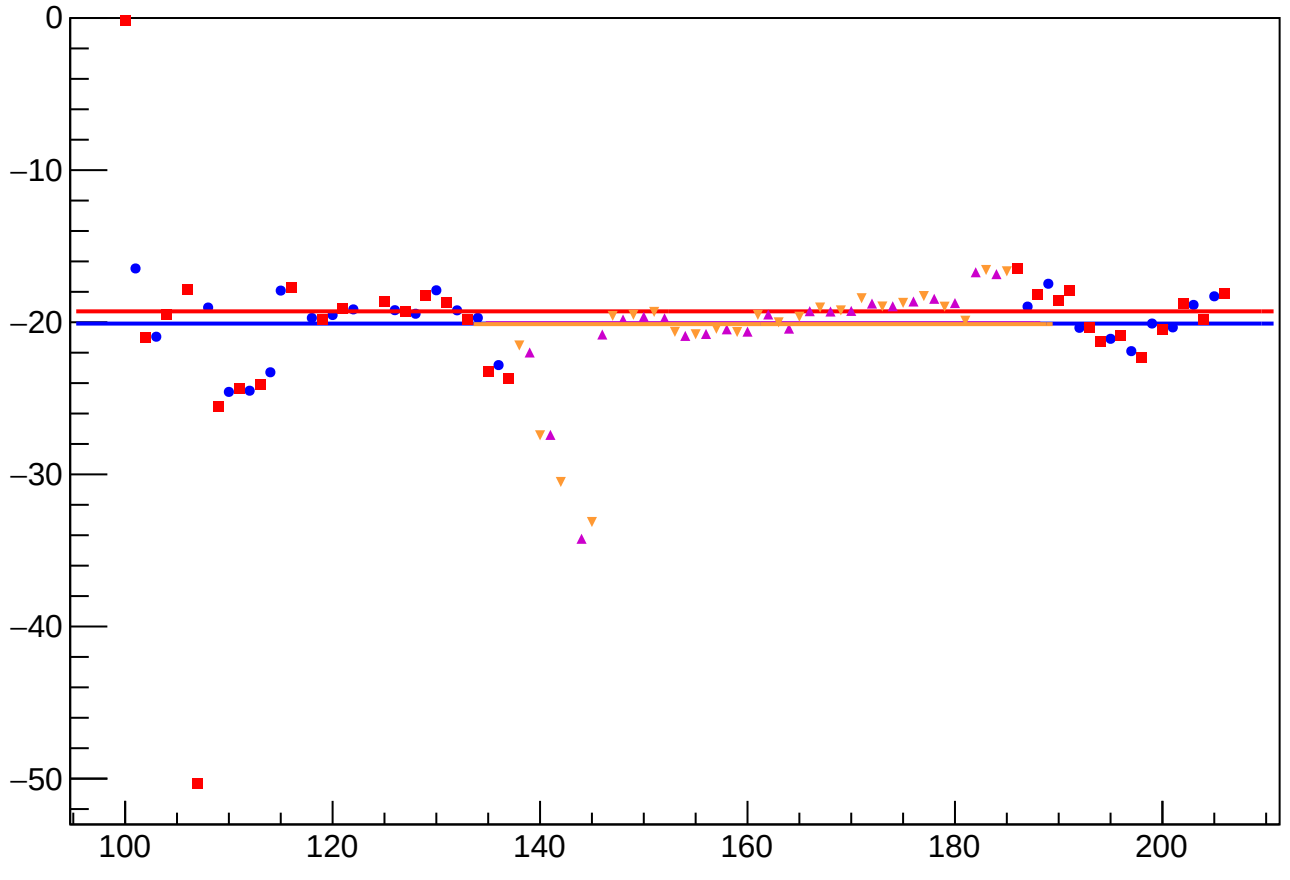
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.015+/-0.156 χ^2/NDF: 902.2/54

In: 7.173+/-0.139 χ^2/NDF:1045.3/47

Out: 6.853+/-0.135 χ^2/NDF:991.1/53

All: 7.009+/-0.097 χ^2/NDF: 2039.1/101



Right In: -20.087+/-0.012 χ^2/NDF: 25661.0/24

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.283+/-0.011 χ^2/NDF: 247532.7/29

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

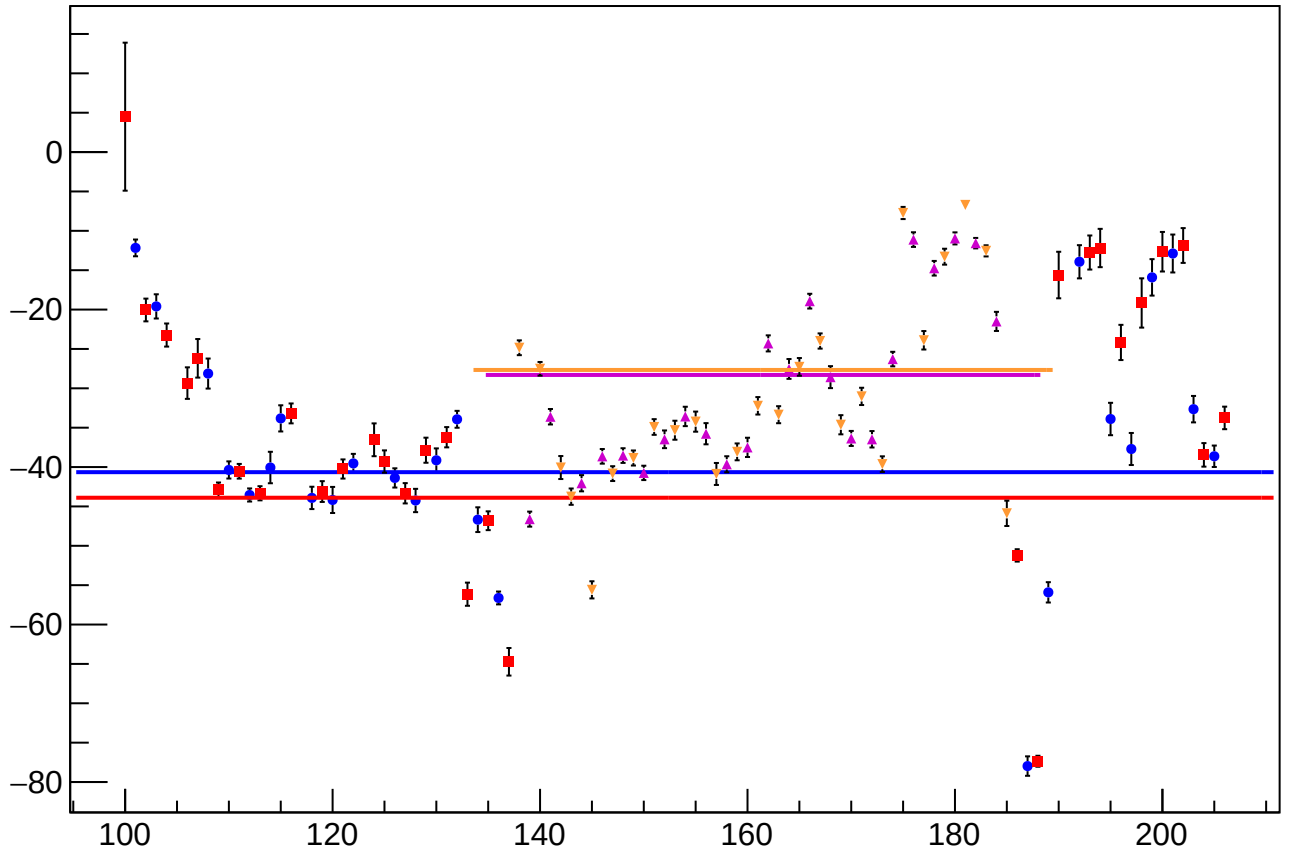
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.650+/-0.008 χ^2/NDF: 275844.3/54

In: -20.071+/-0.007 χ^2/NDF:158353.9/47

Out: -19.820+/-0.006 χ^2/NDF:410162.9/53

All: -19.942+/-0.005 χ^2/NDF: 569278.8/101



Right In: -40.649+/-0.271 χ^2/NDF: 2930.0/24

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.896+/-0.247 χ^2/NDF: 4425.4/29

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

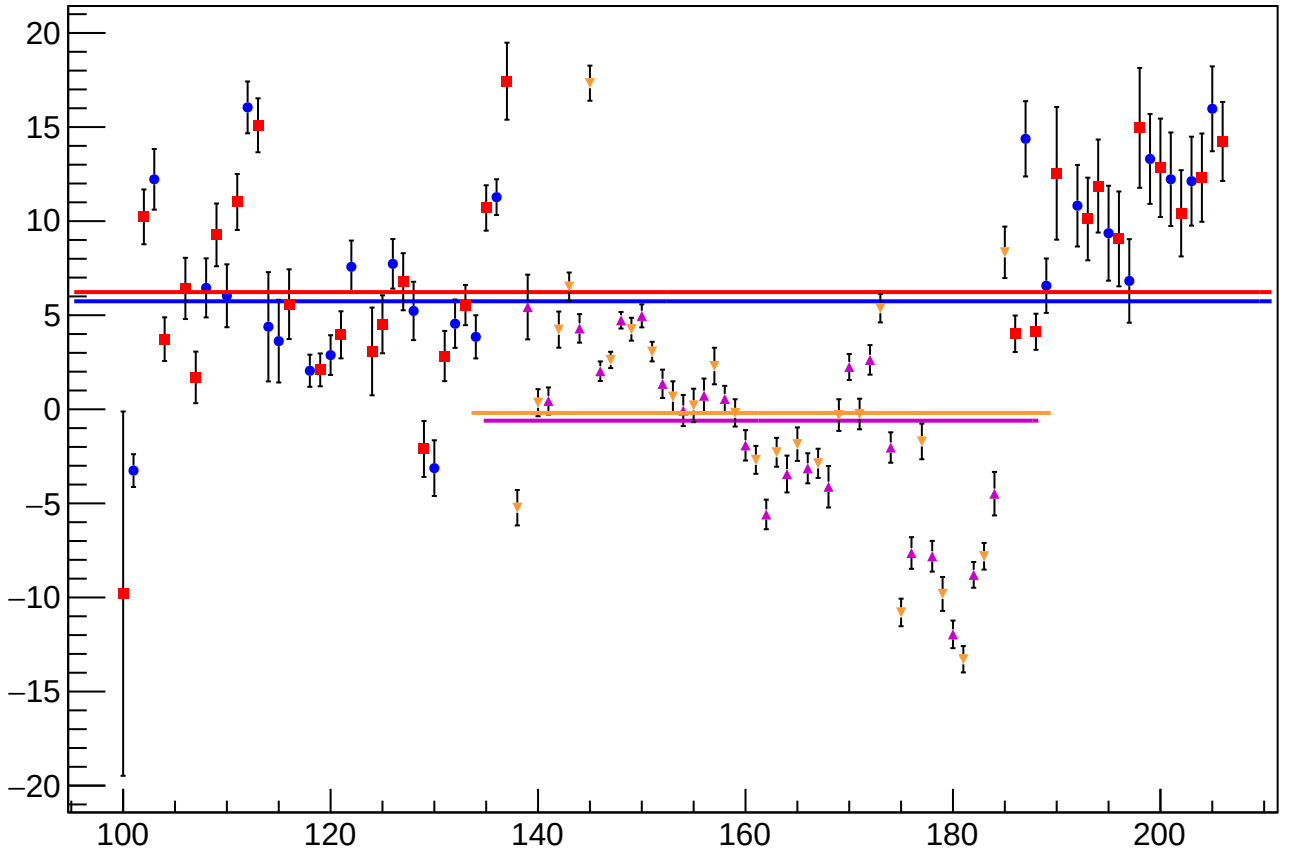
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.425+/-0.183 χ^2/NDF: 7433.6/54

In: -32.809+/-0.164 χ^2/NDF:7517.5/47

Out: -34.112+/-0.156 χ^2/NDF:11424.4/54

All: -33.494+/-0.113 χ^2/NDF: 18975.1/102



Right In: 5.741+/-0.288 χ^2/NDF: 355.2/24

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.229+/-0.276 χ^2/NDF: 250.3/29

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

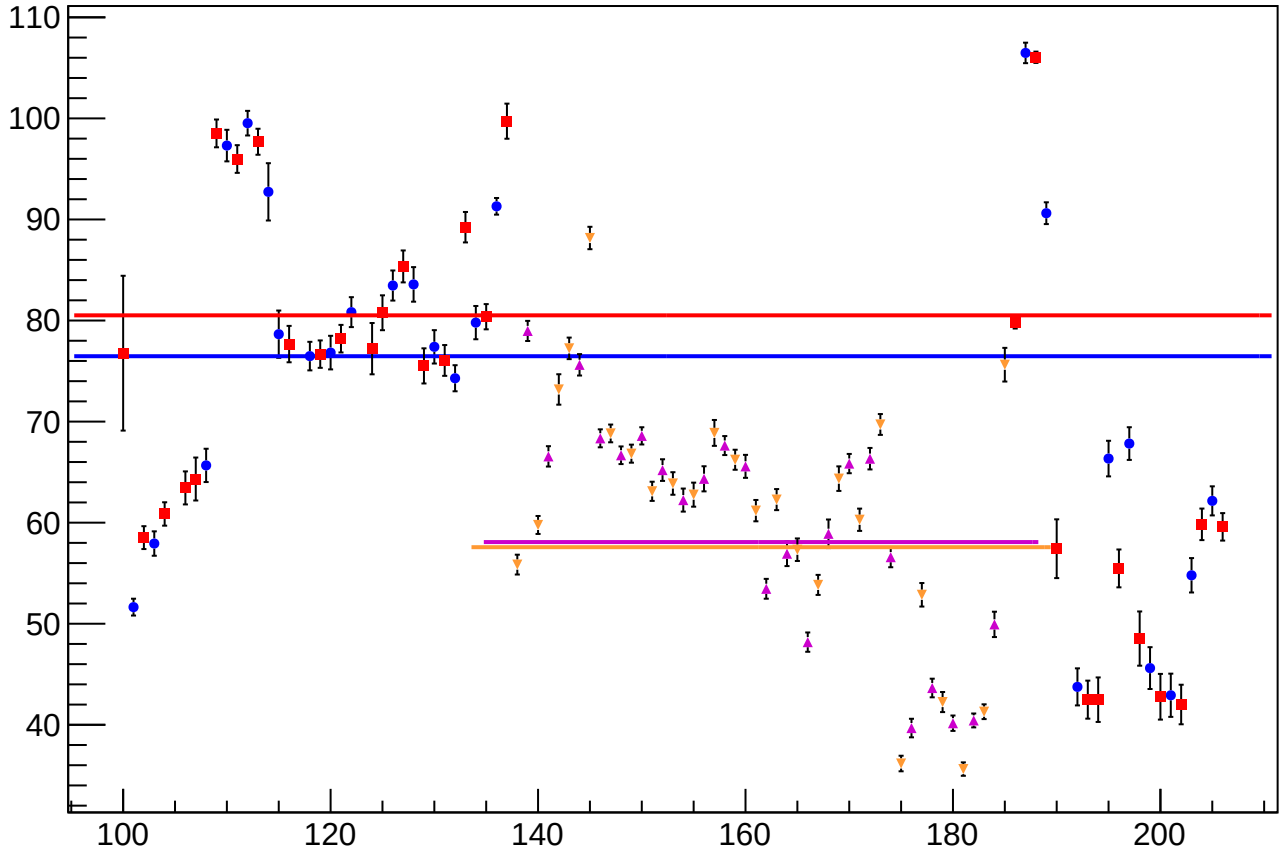
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.996+/-0.199 χ^2/NDF: 607.0/54

In: 0.820+/-0.137 χ^2/NDF:1705.4/47

Out: 1.274+/-0.132 χ^2/NDF:2213.6/54

All: 1.056+/-0.095 χ^2/NDF: 3924.8/102



Right In: 76.469+/-0.278 χ^2/NDF: 4275.5/24

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.514+/-0.247 χ^2/NDF: 5767.8/29

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

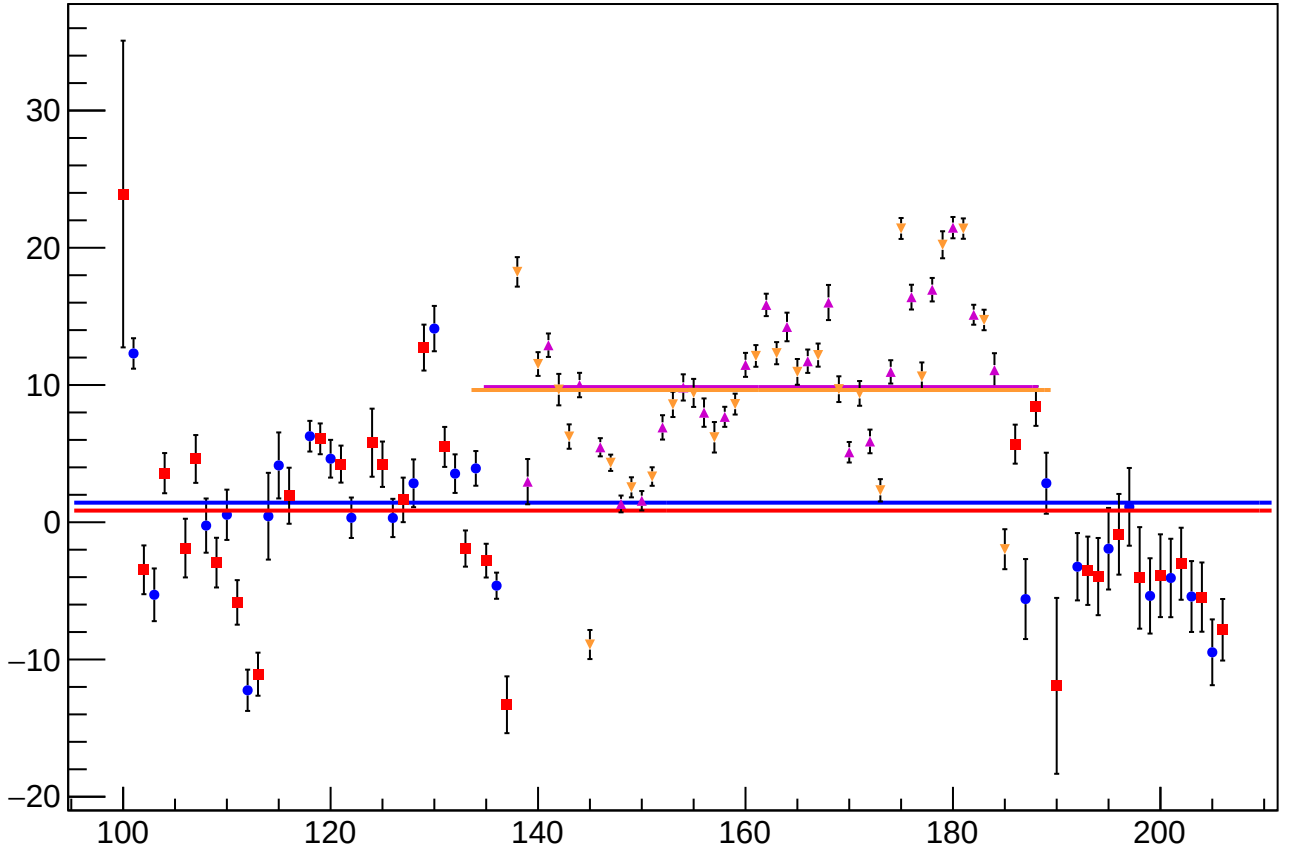
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 78.734+/-0.185 χ^2/NDF: 10161.6/54

In: 64.491+/-0.164 χ^2/NDF:10681.8/47

Out: 66.619+/-0.155 χ^2/NDF:15695.1/54

All: 65.617+/-0.113 χ^2/NDF: 26465.9/102



Right In: 1.427+/-0.335 χ^2/NDF: 373.4/24

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.850+/-0.328 χ^2/NDF: 333.7/29

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

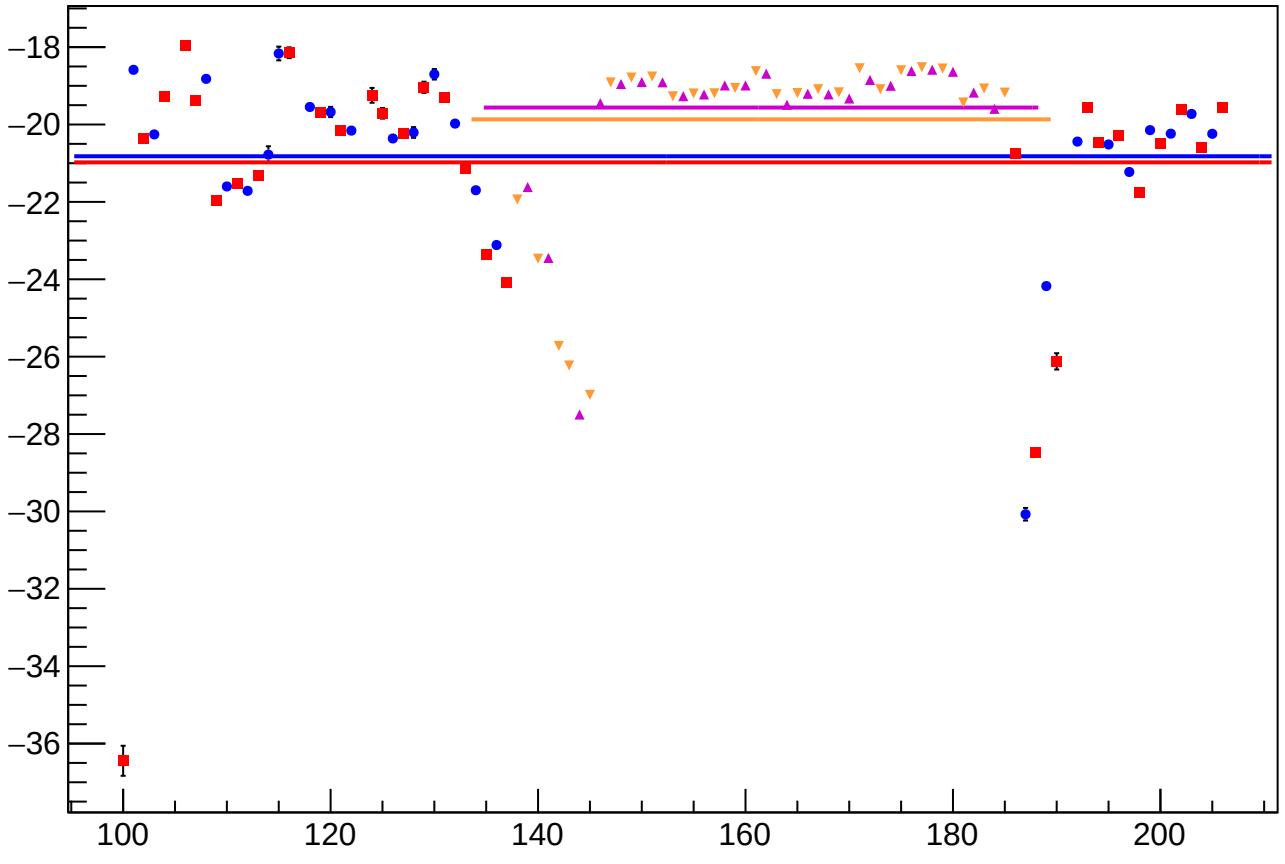
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.132+/-0.234 χ^2/NDF: 708.6/54

In: 8.026+/-0.156 χ^2/NDF:1860.4/47

Out: 7.749+/-0.152 χ^2/NDF:2389.6/54

All: 7.883+/-0.109 χ^2/NDF: 4251.6/102



Right In: -20.821+/-0.017 χ^2/NDF: 12241.5/24

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.978+/-0.016 χ^2/NDF: 20670.6/29

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

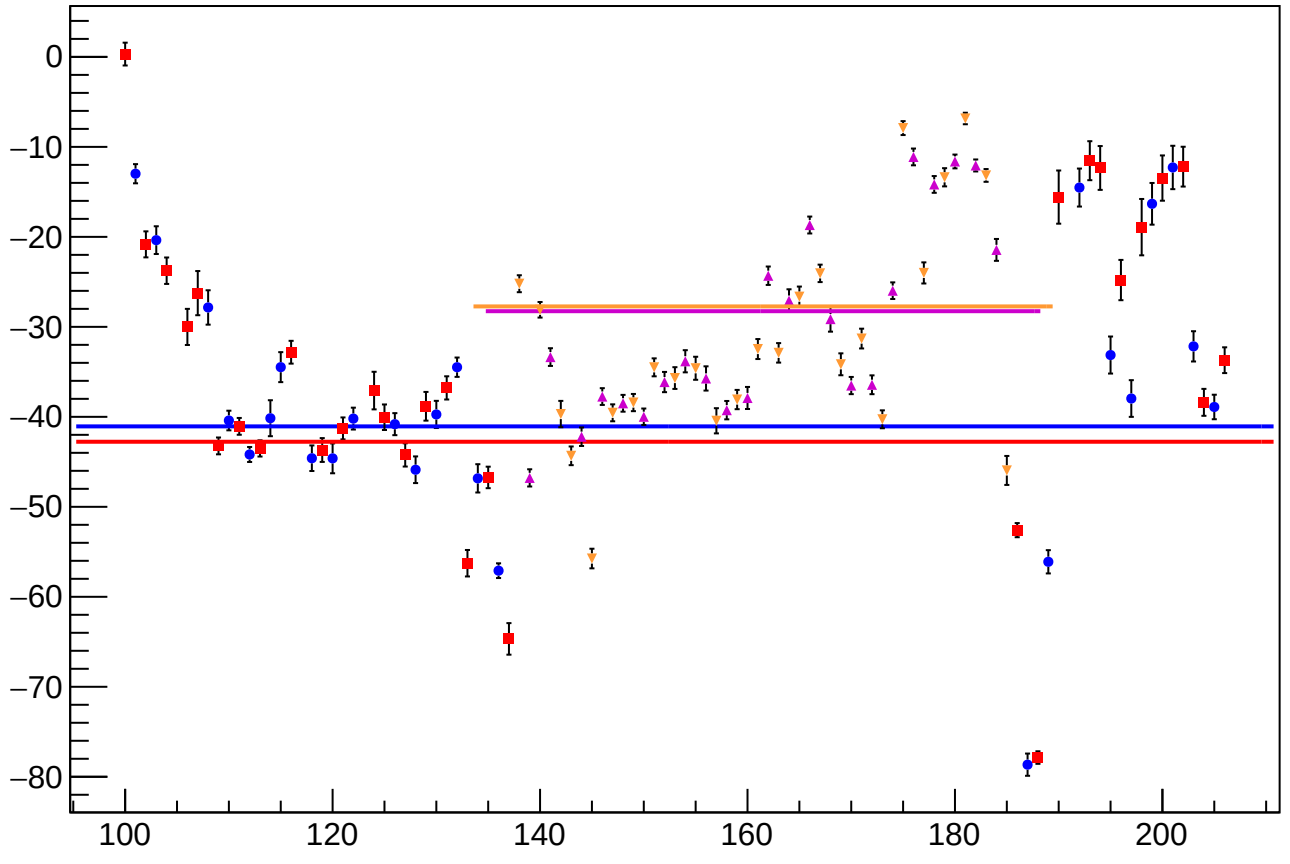
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.901+/-0.012 χ^2/NDF: 32958.3/54

In: -19.799+/-0.007 χ^2/NDF:62132.2/47

Out: -20.077+/-0.007 χ^2/NDF:103358.1/54

All: -19.940+/-0.005 χ^2/NDF: 166252.9/102



Right In: -41.061+/-0.272 χ^2/NDF: 2933.2/24

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.768+/-0.243 χ^2/NDF: 5637.1/29

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

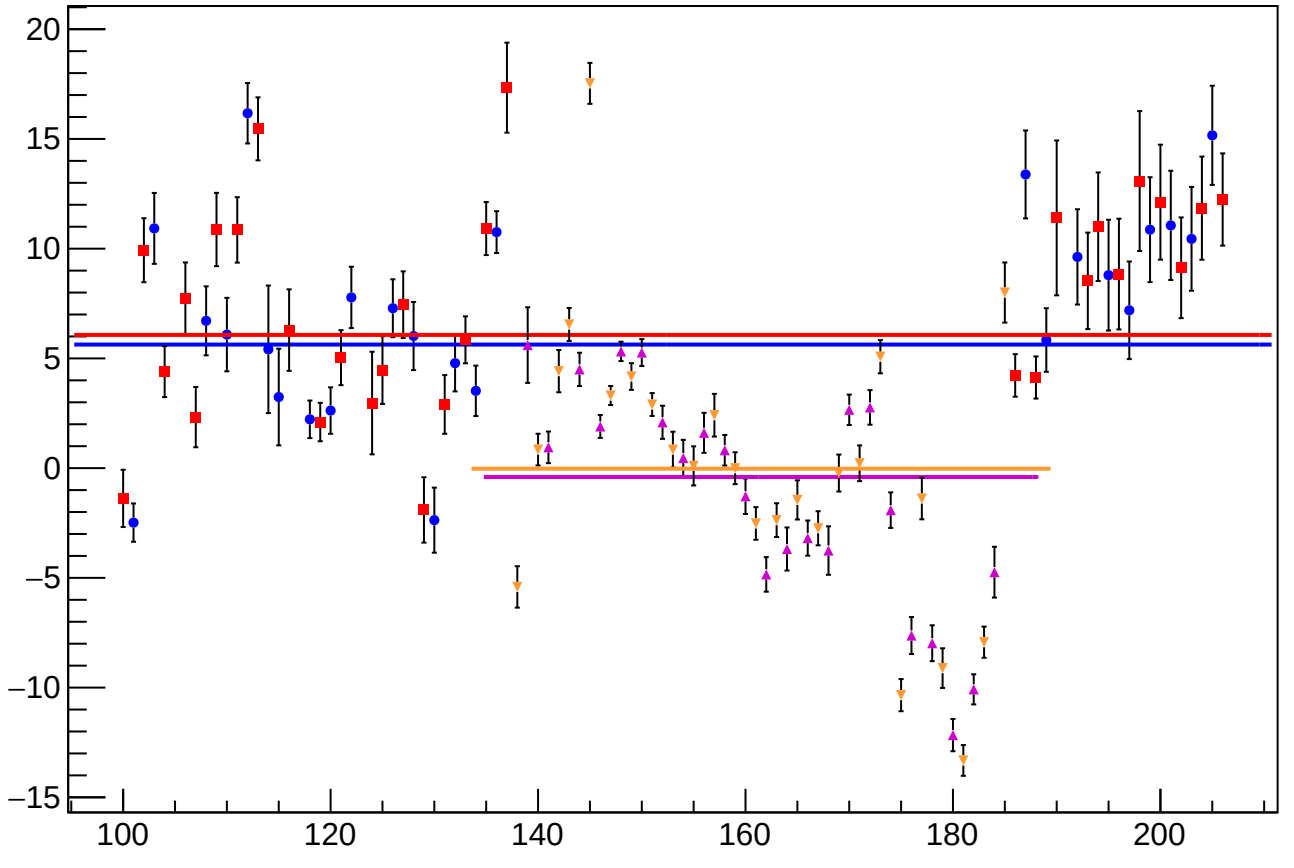
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -42.010+/-0.181 χ^2/NDF: 8592.3/54

In: -32.935+/-0.164 χ^2/NDF:7513.9/47

Out: -33.833+/-0.155 χ^2/NDF:12214.6/54

All: -33.411+/-0.113 χ^2/NDF: 19744.2/102



Right In: 5.631+/-0.289 χ^2/NDF: 299.2/24

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.070+/-0.270 χ^2/NDF: 260.2/29

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

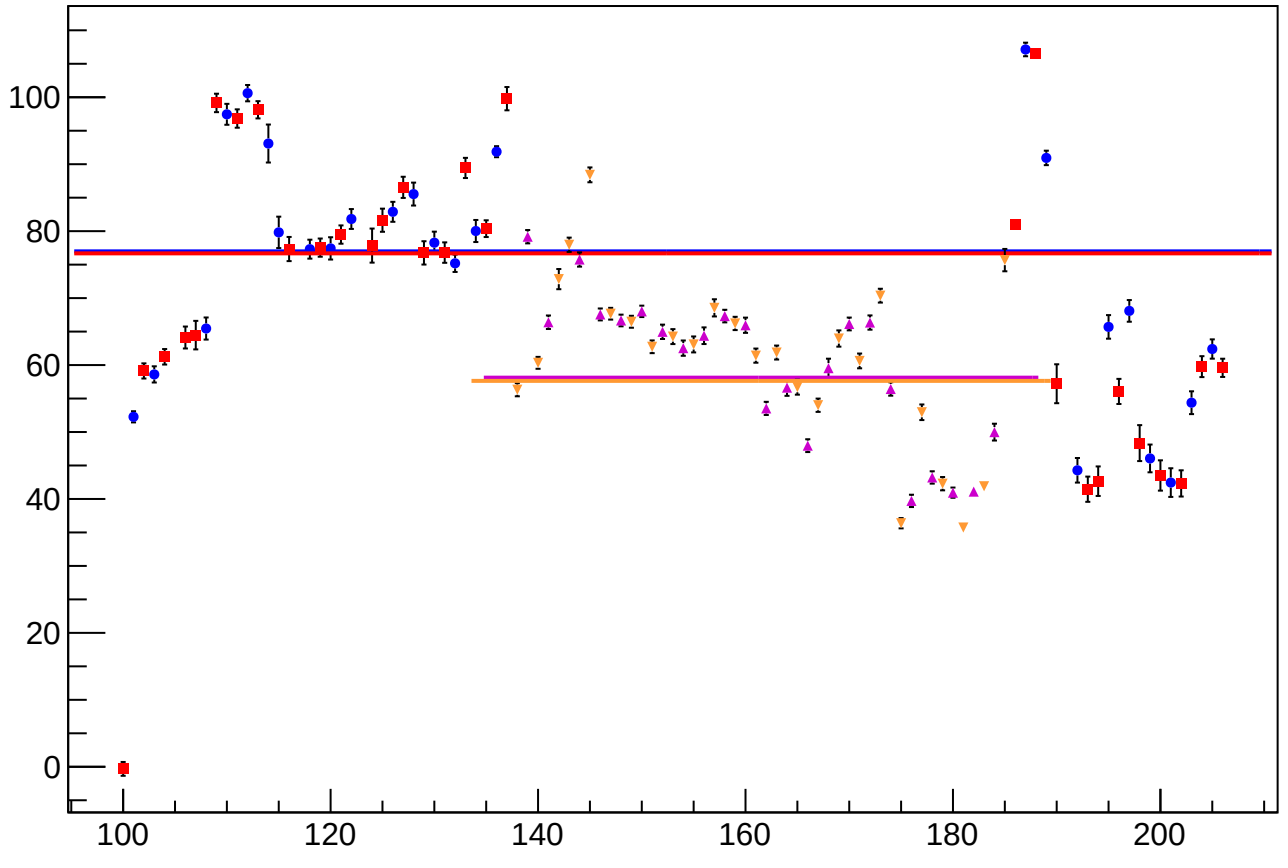
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.865+/-0.197 χ^2/NDF: 560.6/54

In: 0.952+/-0.137 χ^2/NDF:1722.0/47

Out: 1.413+/-0.131 χ^2/NDF:2180.2/54

All: 1.192+/-0.095 χ^2/NDF: 3908.1/102



Right In: 76.982+/-0.279 χ^2/NDF: 4320.7/24

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.683+/-0.240 χ^2/NDF: 11683.8/29

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

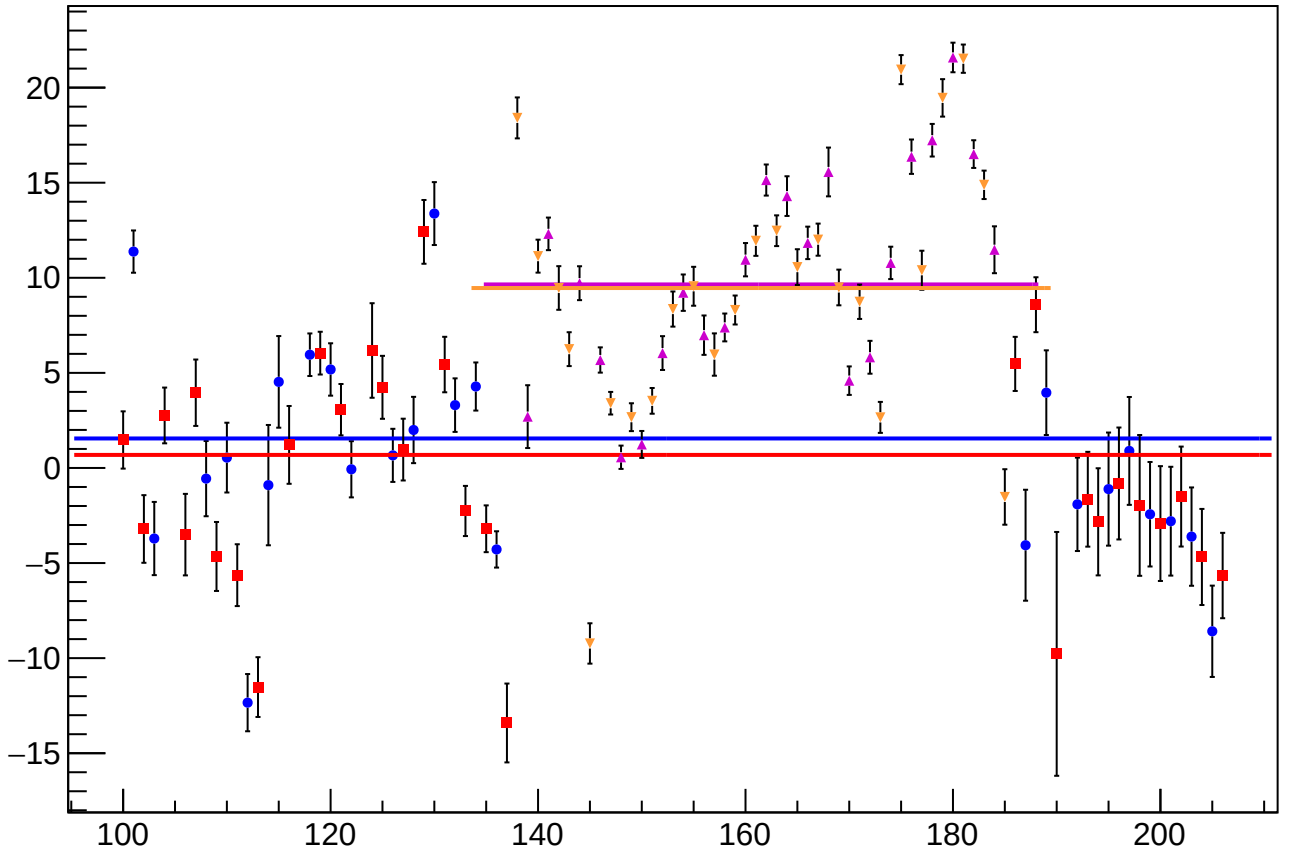
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 76.810+/-0.182 χ^2/NDF: 16005.1/54

In: 64.697+/-0.164 χ^2/NDF:10751.7/47

Out: 65.398+/-0.153 χ^2/NDF:20018.5/54

All: 65.072+/-0.112 χ^2/NDF: 30779.9/102



Right In: 1.551+/-0.336 χ^2/NDF: 327.2/24

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.686+/-0.321 χ^2/NDF: 316.3/29

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

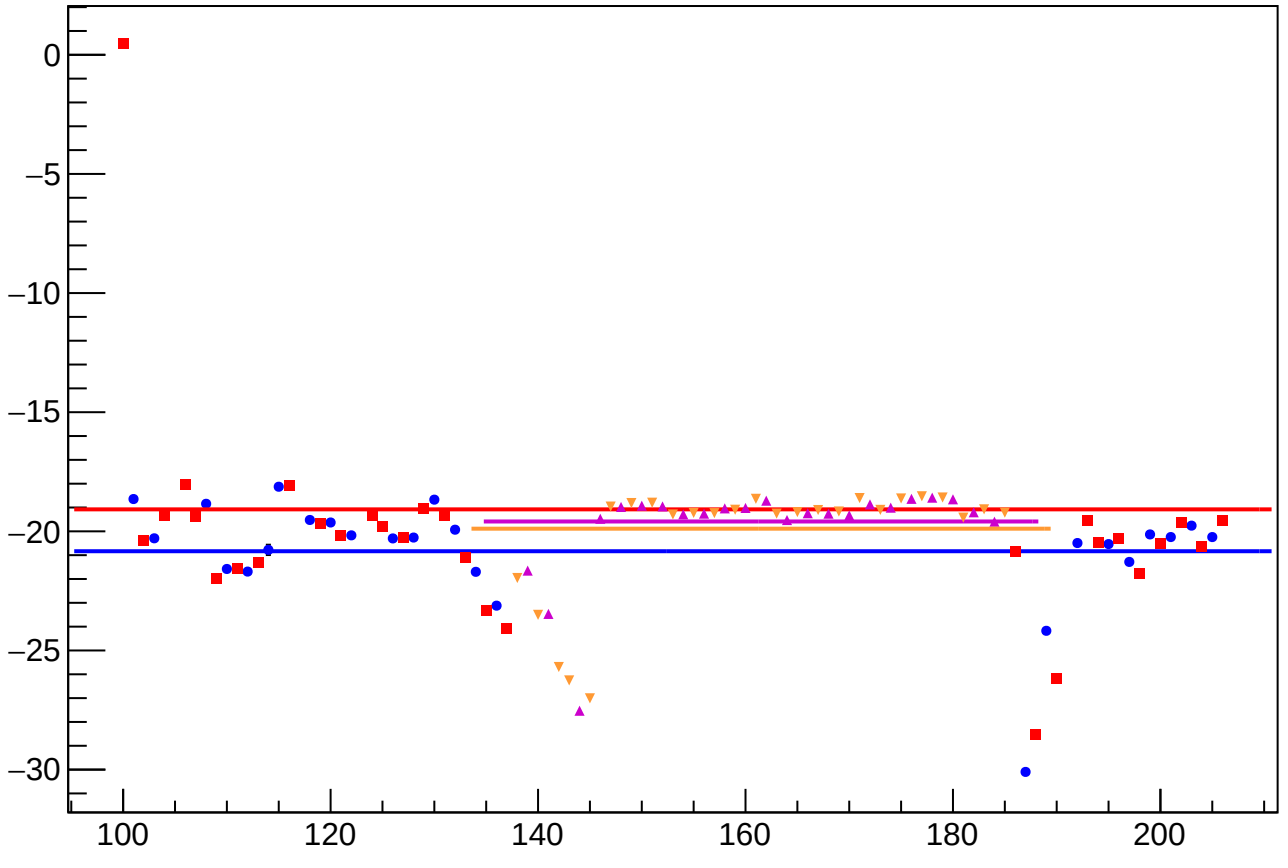
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.099+/-0.232 χ^2/NDF: 647.0/54

In: 7.896+/-0.156 χ^2/NDF:1861.3/47

Out: 7.508+/-0.151 χ^2/NDF:2381.1/54

All: 7.696+/-0.109 χ^2/NDF: 4245.5/102



Right In: -20.835+/-0.017 χ^2/NDF: 12114.4/24

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.078+/-0.016 χ^2/NDF: 171882.8/29

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

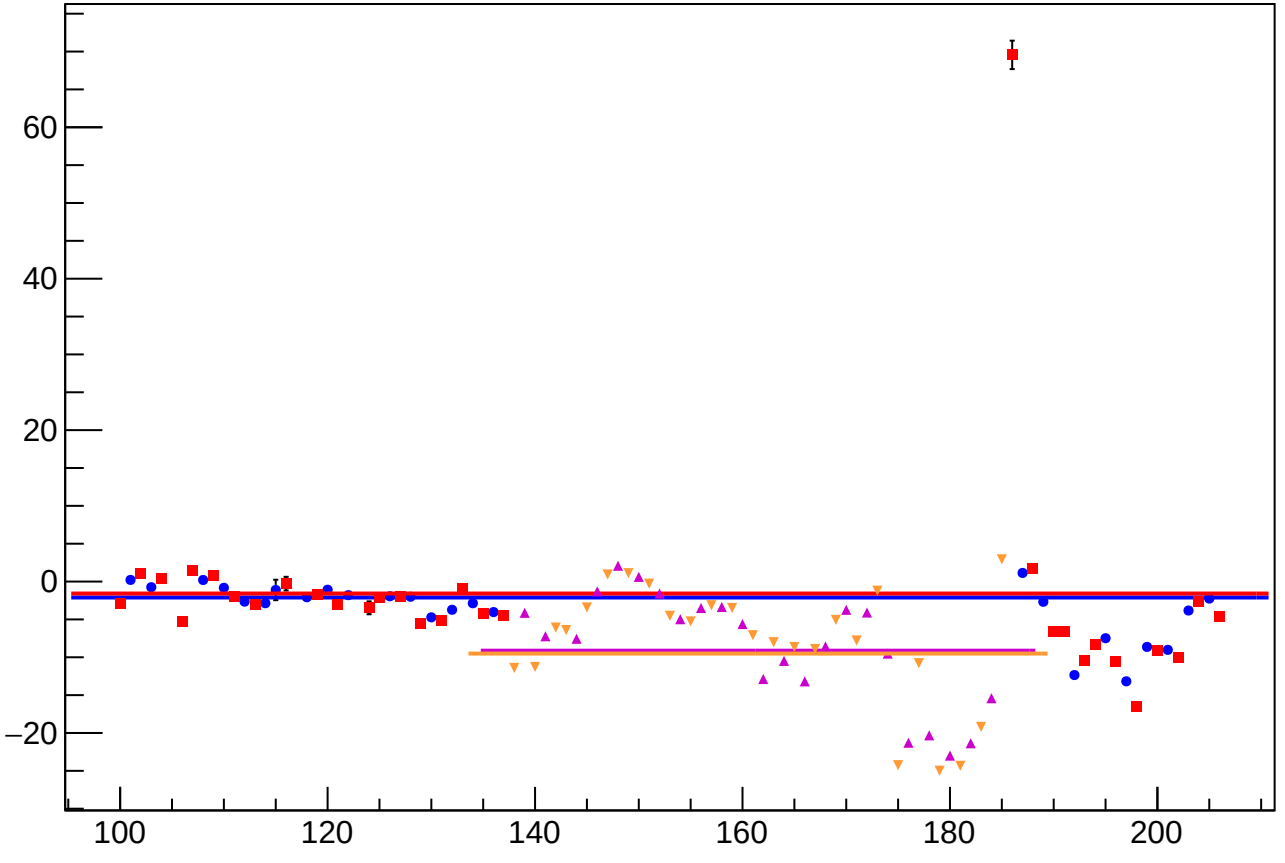
Right: -19.902+/-0.011 χ^2/NDF: 189987.0/54

In: -19.821+/-0.007 χ^2/NDF:61824.7/47

Out: -19.723+/-0.007 χ^2/NDF:252559.8/54

All: -19.771+/-0.005 χ^2/NDF: 314480.2/102

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.105+/-0.050 χ^2/NDF: 3310.3/24

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.582+/-0.046 χ^2/NDF: 6948.5/30

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

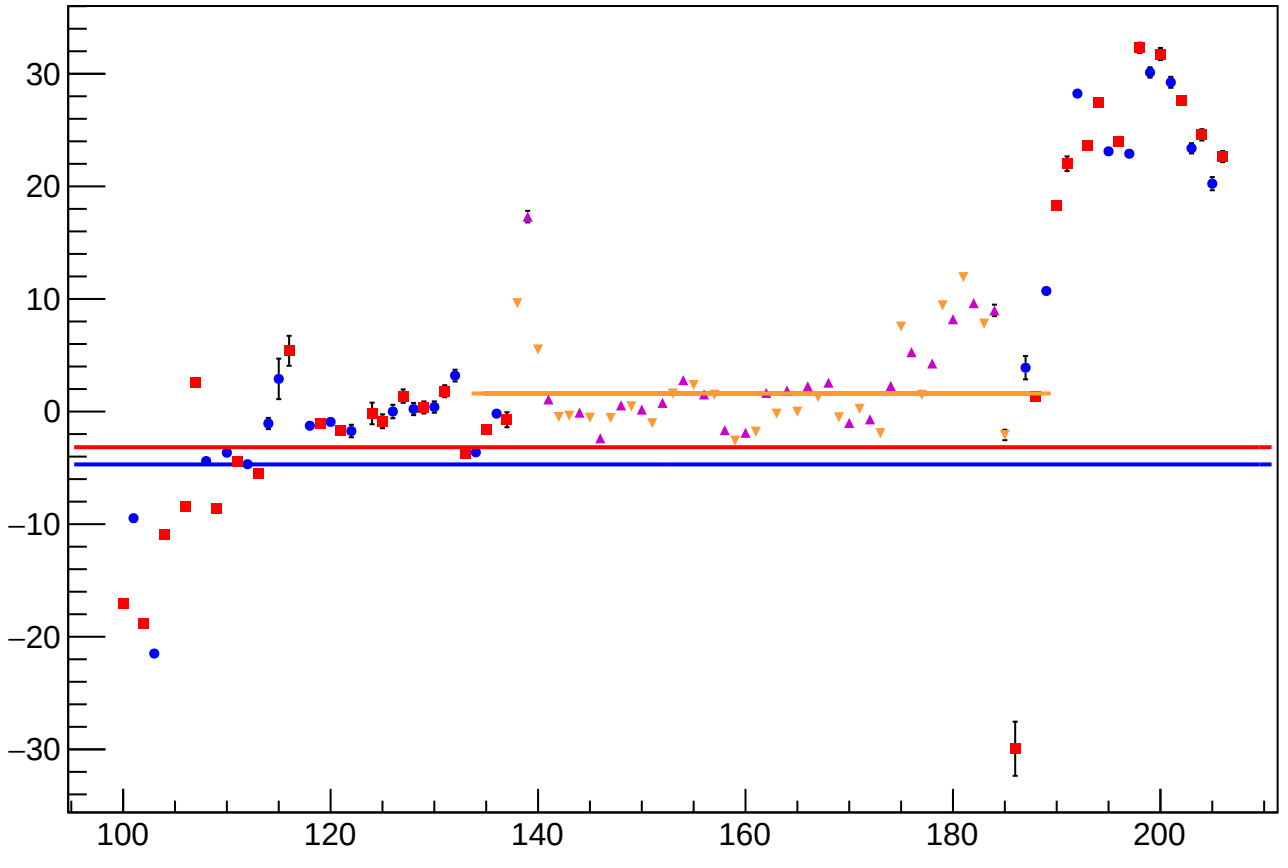
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.818+/-0.034 χ^2/NDF: 10318.0/55

In: -4.292+/-0.042 χ^2/NDF:19782.1/47

Out: -3.828+/-0.039 χ^2/NDF:28407.5/55

All: -4.043+/-0.028 χ^2/NDF: 48256.1/103



Right In: -4.695+/-0.053 χ^2/NDF: 54151.7/24

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.167+/-0.052 χ^2/NDF: 63254.8/30

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

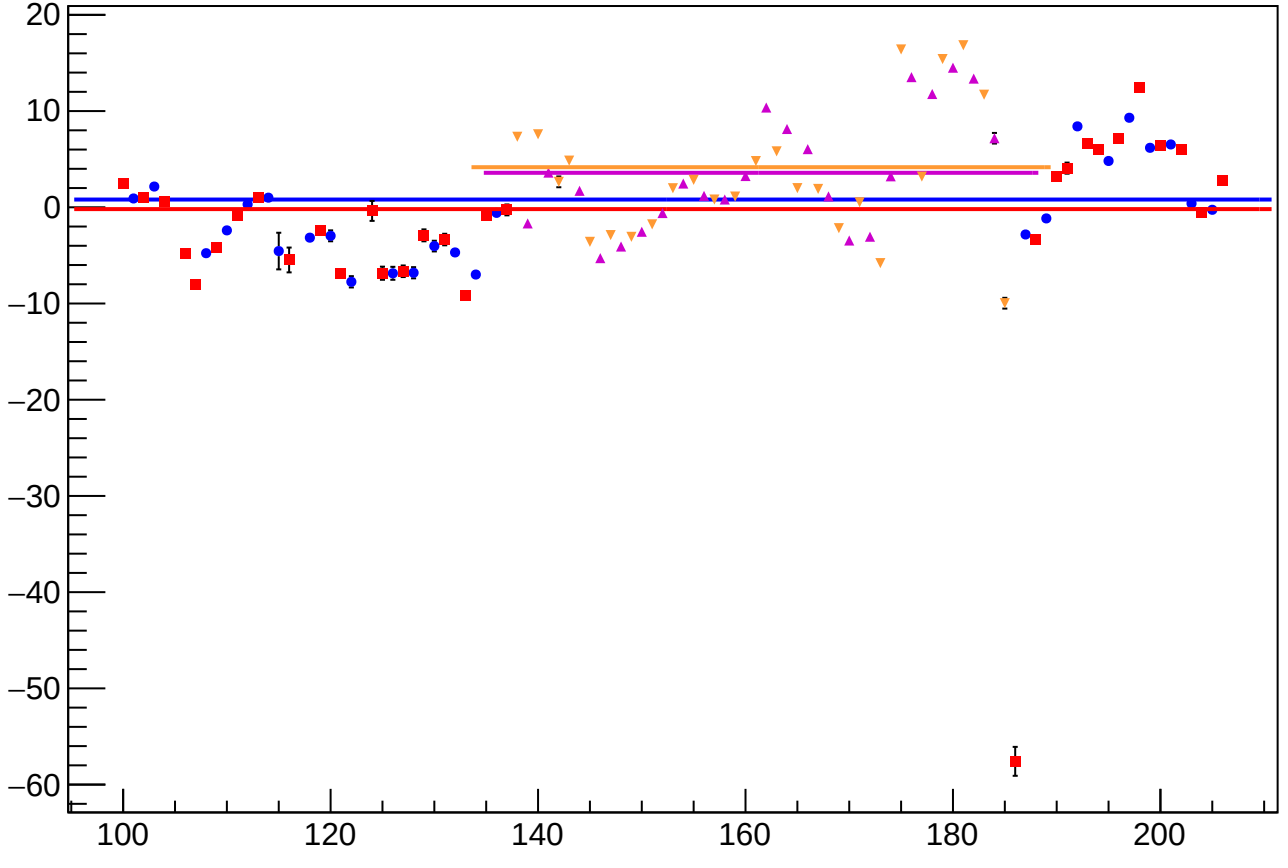
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -3.916+/-0.037 χ^2/NDF: 117826.3/55

In: -1.796+/-0.039 χ^2/NDF:64249.1/47

Out: -0.912+/-0.038 χ^2/NDF:71878.5/55

All: -1.340+/-0.027 χ^2/NDF: 136391.0/103



Right In: 0.806+/-0.048 χ^2/NDF: 4153.3/24

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.188+/-0.046 χ^2/NDF: 8208.3/30

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

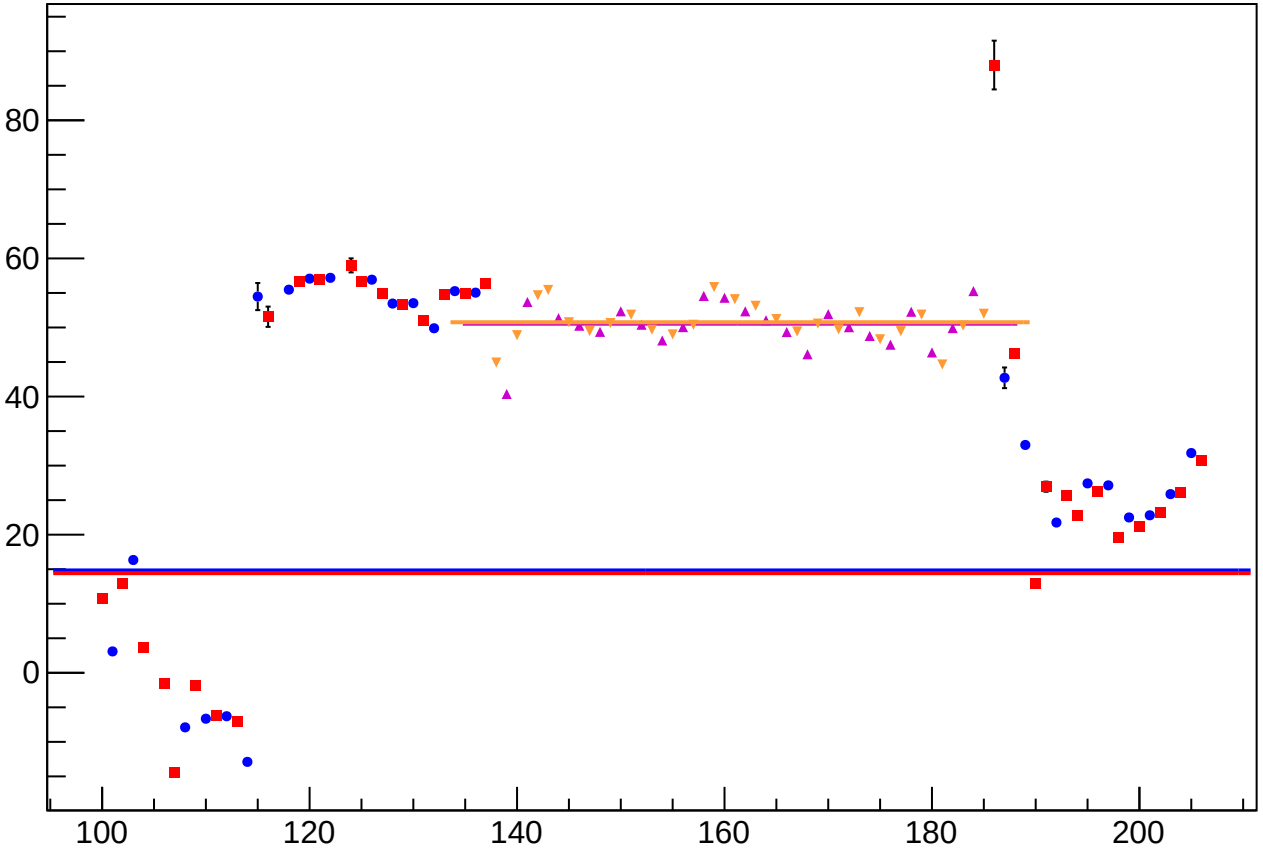
Right: 0.285+/-0.033 χ^2/NDF: 12583.4/55

In: 1.637+/-0.040 χ^2/NDF:12370.8/47

Out: 1.074+/-0.039 χ^2/NDF:20045.9/55

All: 1.344+/-0.028 χ^2/NDF: 32517.5/103

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.820+/-0.063 χ^2/NDF: 113906.0/24

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.427+/-0.062 χ^2/NDF: 130737.0/30

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

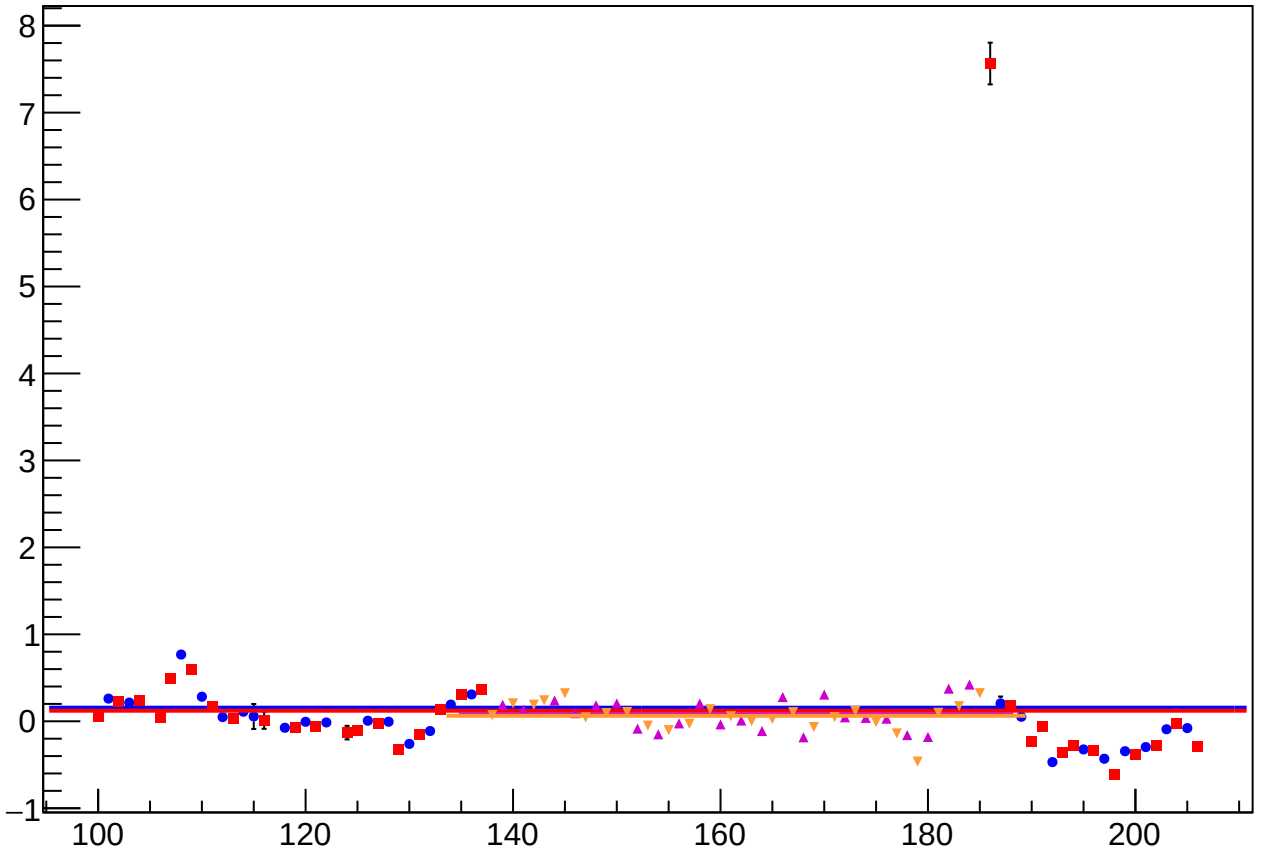
Right: 14.619+/-0.044 χ^2/NDF: 244662.7/55

In: 32.315+/-0.045 χ^2/NDF:270940.4/47

Out: 32.469+/-0.044 χ^2/NDF:302962.9/55

All: 32.394+/-0.032 χ^2/NDF: 573909.2/103

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.156+/-0.003 χ^2/NDF: 12639.7/24

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12949.9/30

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

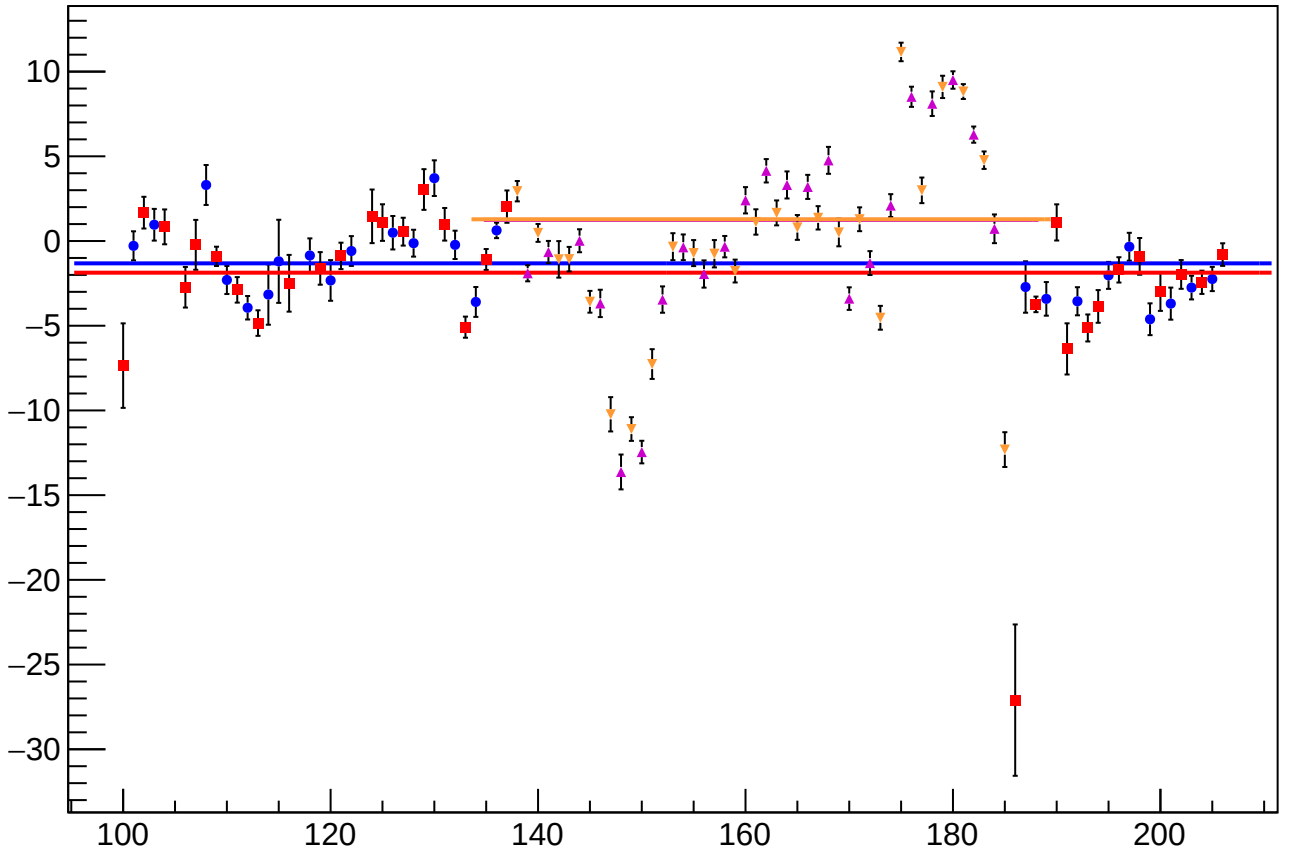
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.138+/-0.002 χ^2/NDF: 25688.2/55

In: 0.123+/-0.002 χ^2/NDF:16497.3/47

Out: 0.097+/-0.002 χ^2/NDF:15767.9/55

All: 0.109+/-0.001 χ^2/NDF: 32361.6/103



Right In: -1.318+/-0.173 χ^2/NDF: 135.4/24

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.869+/-0.155 χ^2/NDF: 232.2/30

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

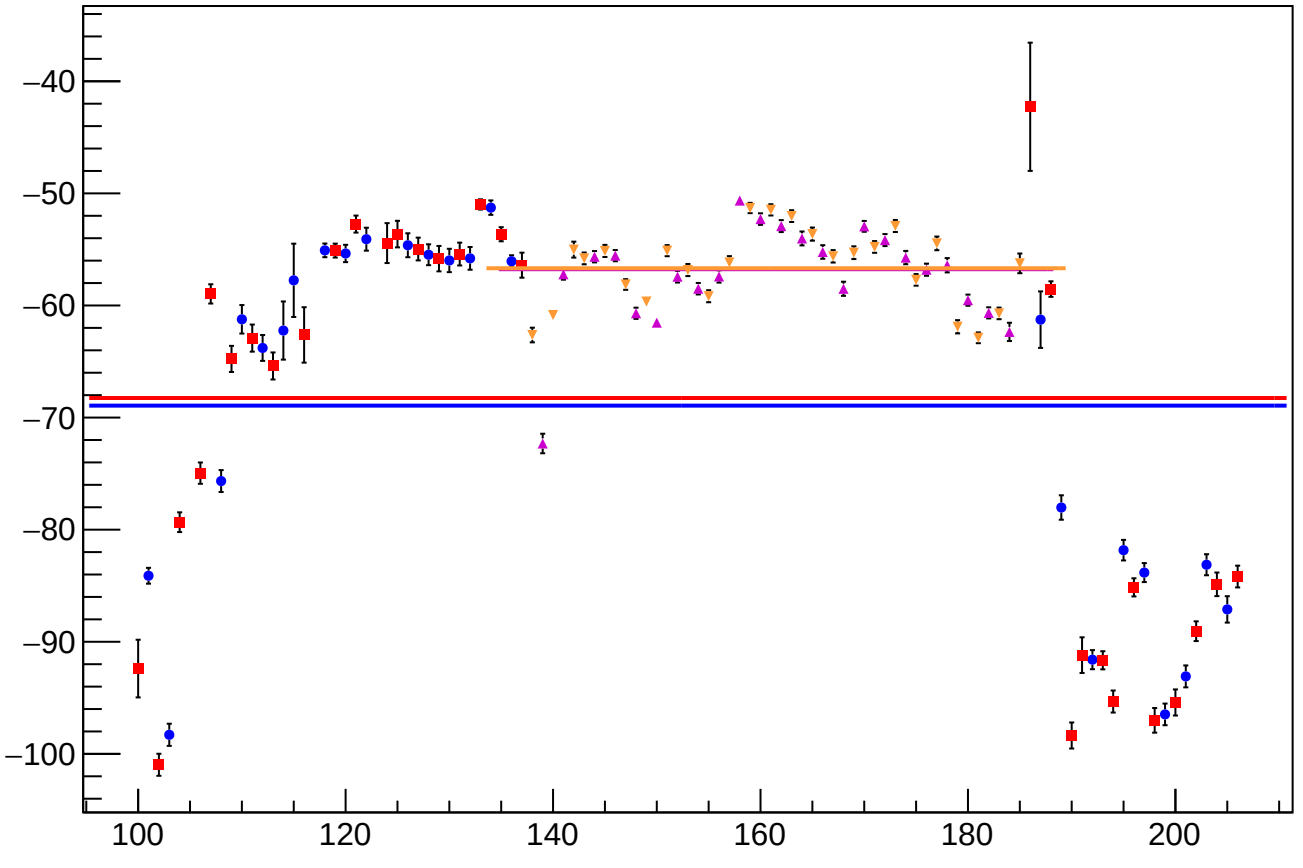
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.625+/-0.115 χ^2/NDF: 373.2/55

In: 0.227+/-0.109 χ^2/NDF:1780.3/47

Out: -0.103+/-0.103 χ^2/NDF:2180.7/55

All: 0.052+/-0.075 χ^2/NDF: 3965.9/103



Right In: -68.934+/-0.183 χ^2/NDF: 7728.9/24

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.255+/-0.168 χ^2/NDF: 10612.2/30

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

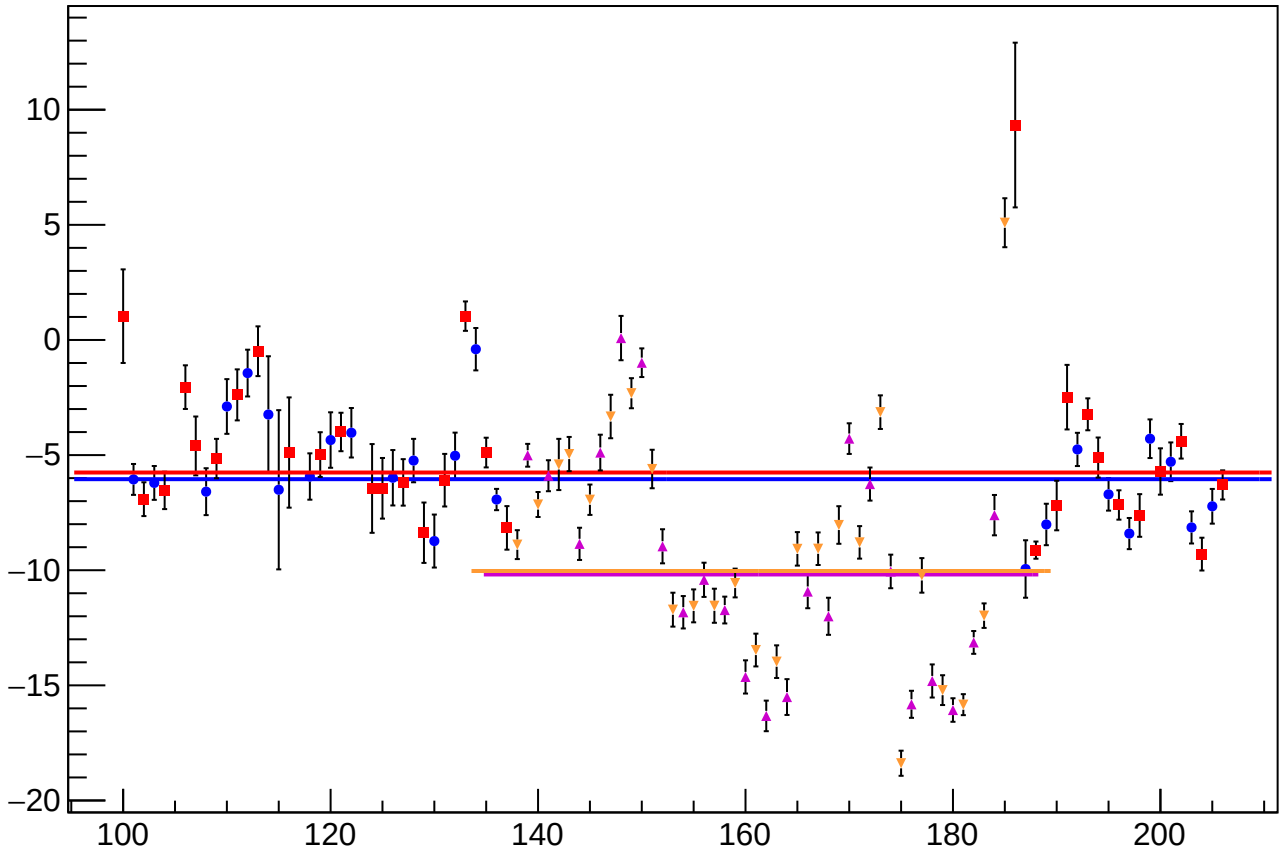
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -68.564+/-0.124 χ^2/NDF: 18348.5/55

In: -60.073+/-0.096 χ^2/NDF:12049.2/47

Out: -60.040+/-0.090 χ^2/NDF:15010.1/55

All: -60.056+/-0.066 χ^2/NDF: 27059.3/103



Right In: -6.046+/-0.173 χ^2/NDF: 130.7/24

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.756+/-0.152 χ^2/NDF: 353.5/30

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

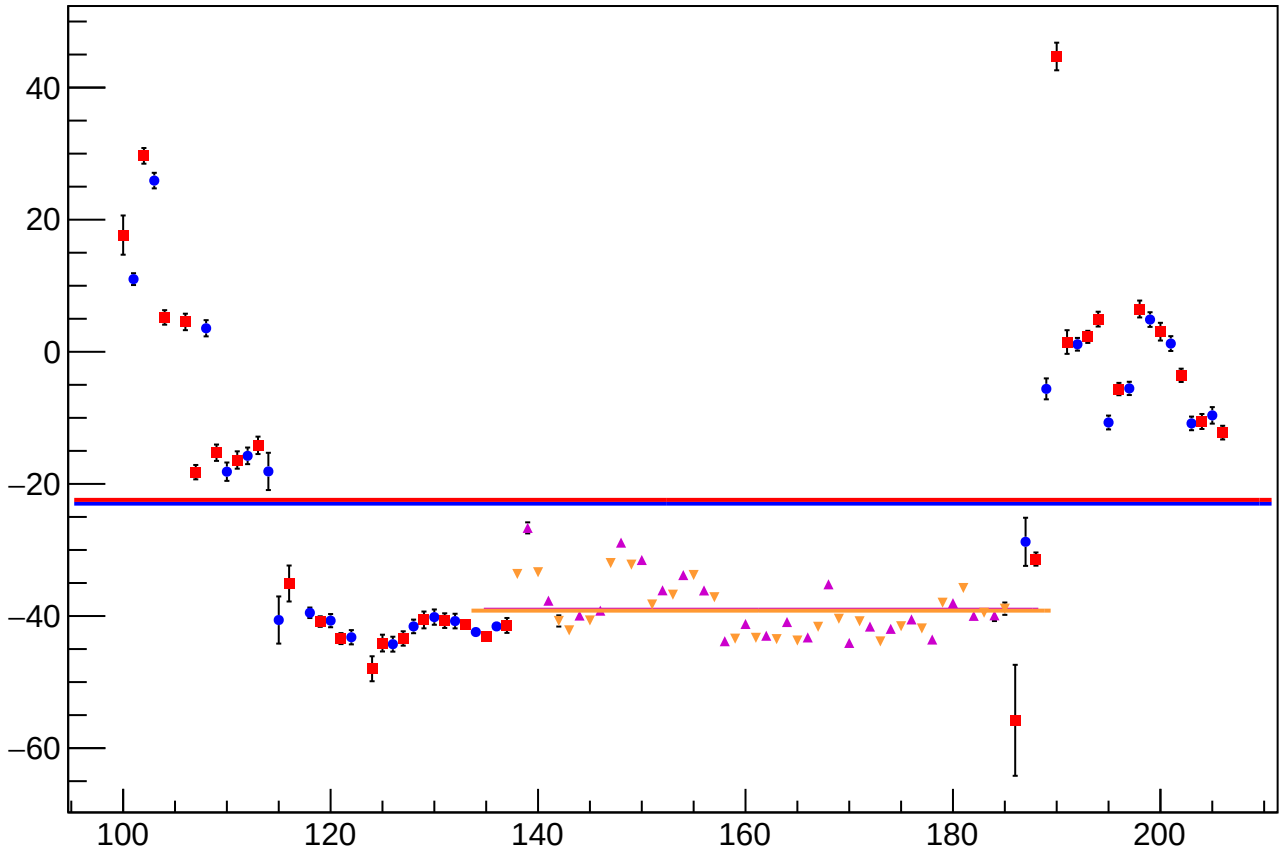
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.883+/-0.114 χ^2/NDF: 485.7/55

In: -8.555+/-0.108 χ^2/NDF:1621.6/47

Out: -8.134+/-0.102 χ^2/NDF:1973.9/55

All: -8.331+/-0.074 χ^2/NDF: 3603.5/103



Right In: -22.983+/-0.210 χ^2/NDF: 10405.0/24

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.415+/-0.195 χ^2/NDF: 12672.9/30

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

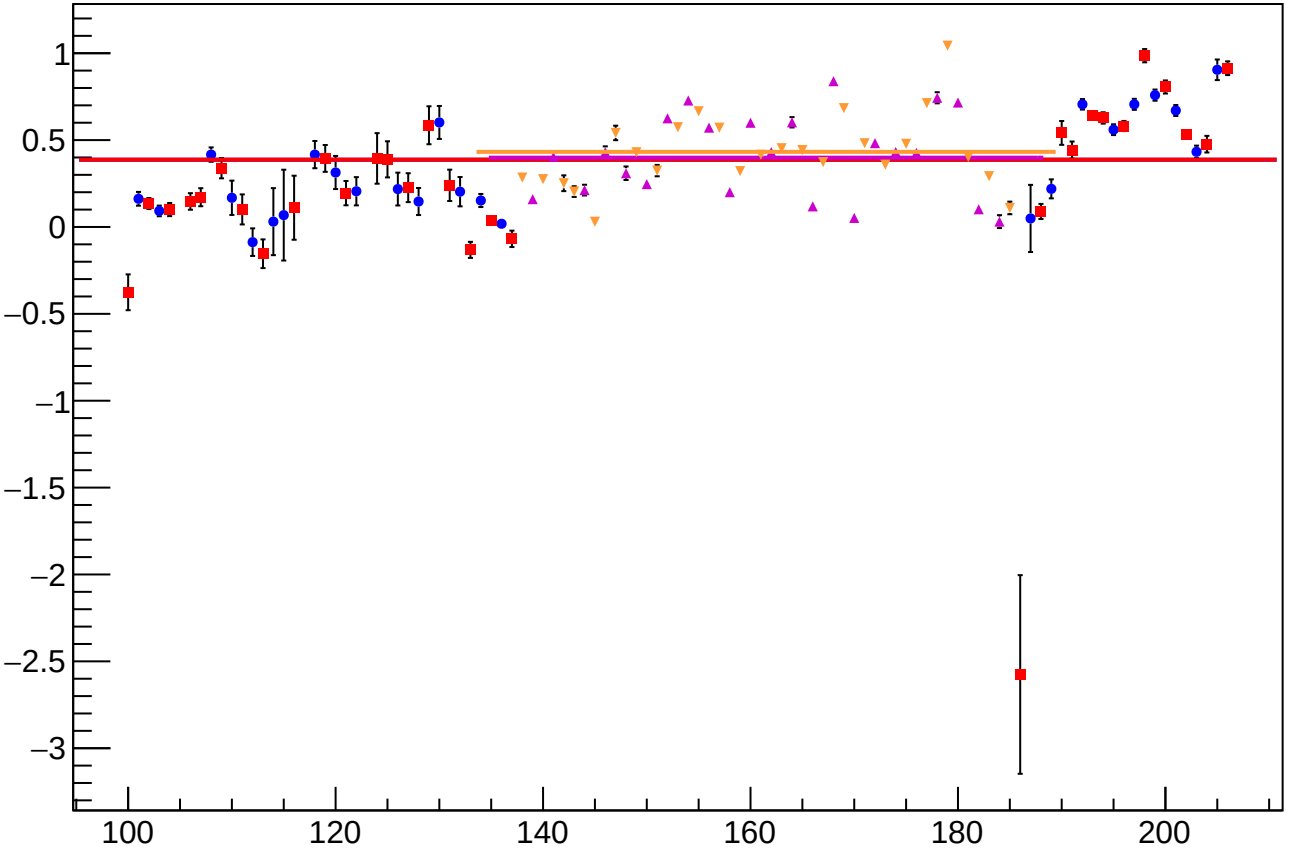
Right: -22.679+/-0.143 χ^2/NDF: 23081.8/55

In: -34.876+/-0.107 χ^2/NDF:15967.4/47

Out: -34.584+/-0.102 χ^2/NDF:19060.9/55

All: -34.724+/-0.074 χ^2/NDF: 35032.1/103

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.387+/-0.009 χ^2/NDF: 1076.6/24

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.387+/-0.008 χ^2/NDF: 1536.1/30

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

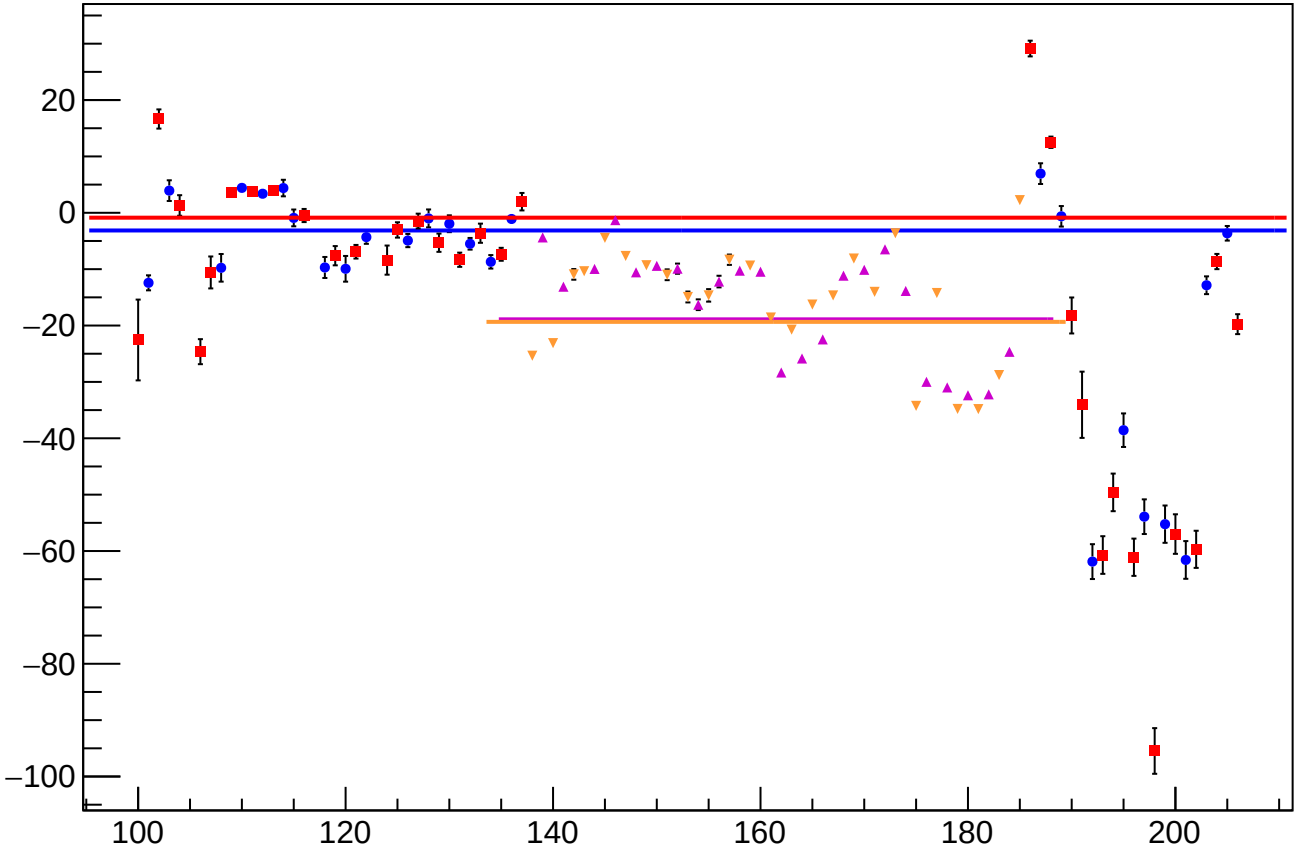
Right: 0.387+/-0.006 χ^2/NDF: 2612.7/55

In: 0.396+/-0.005 χ^2/NDF:3001.7/47

Out: 0.419+/-0.004 χ^2/NDF:2925.9/55

All: 0.408+/-0.003 χ^2/NDF: 5941.0/103

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.136+/-0.260 χ^2/NDF: 1783.6/24

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.866+/-0.242 χ^2/NDF: 3373.8/30

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

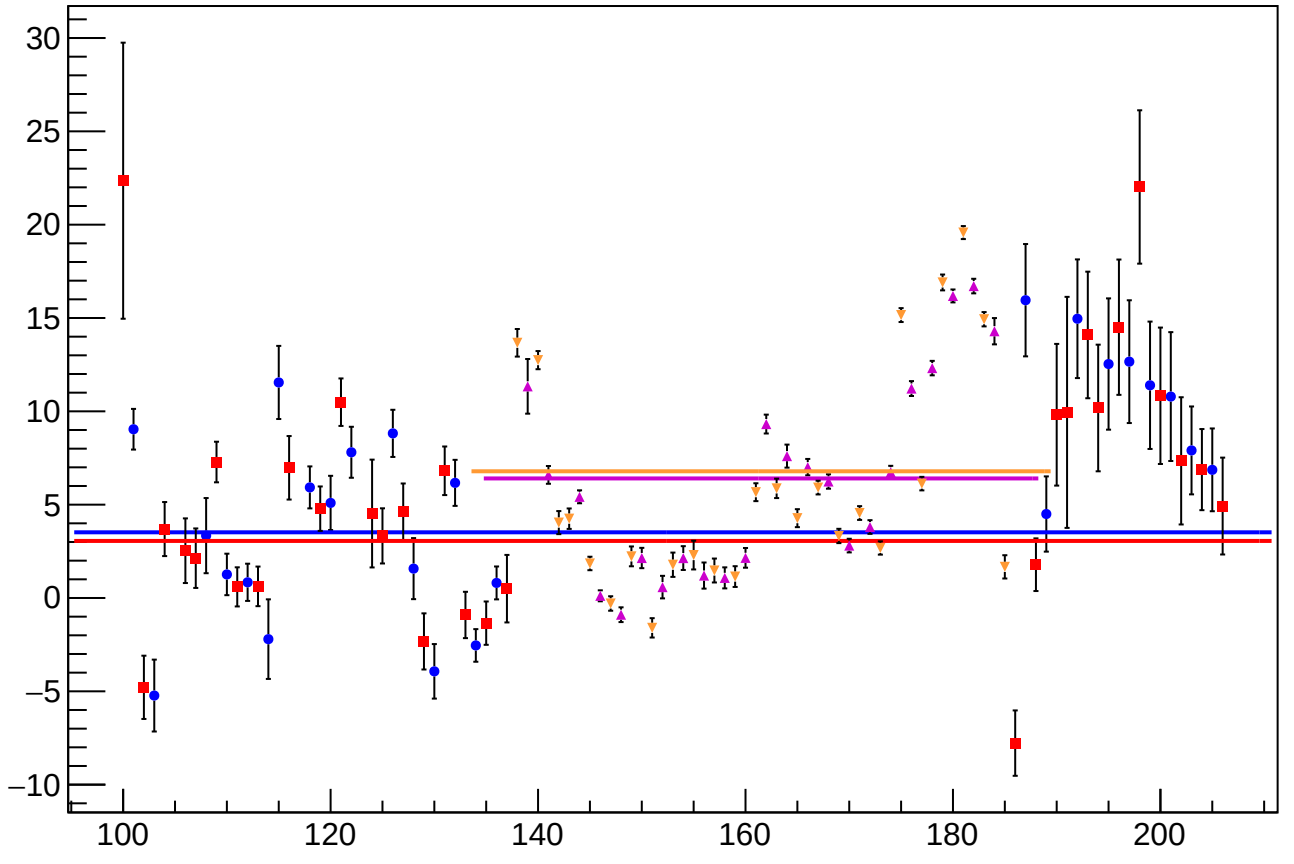
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

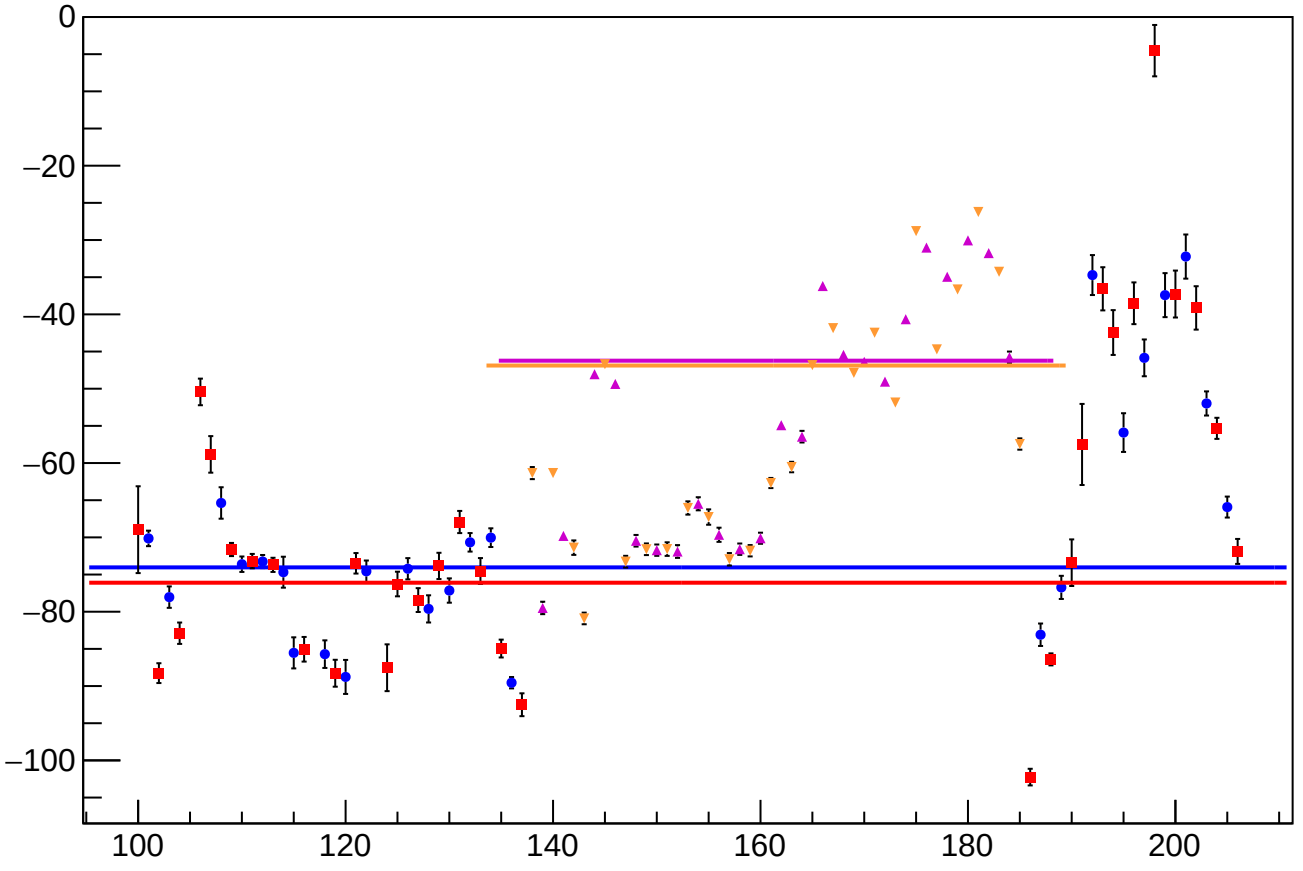
Right: -1.918+/-0.177 χ^2/NDF: 5198.4/55

In: -16.278+/-0.106 χ^2/NDF:13136.8/47

Out: -16.014+/-0.103 χ^2/NDF:18562.2/55

All: -16.142+/-0.074 χ^2/NDF: 31702.2/103


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 3.519+/-0.297 χ²/NDF: 264.6/24
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.057+/-0.296 χ²/NDF: 244.9/30
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.288+/-0.210 χ²/NDF: 510.7/55
In: 6.155+/-0.087 χ²/NDF:3761.5/47
Out: 6.472+/-0.086 χ²/NDF:5022.5/55
All: 6.315+/-0.061 χ²/NDF: 8790.6/103



Right In: -74.036+/-0.291 χ^2/NDF: 1592.8/24

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.099+/-0.275 χ^2/NDF: 2868.0/30

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

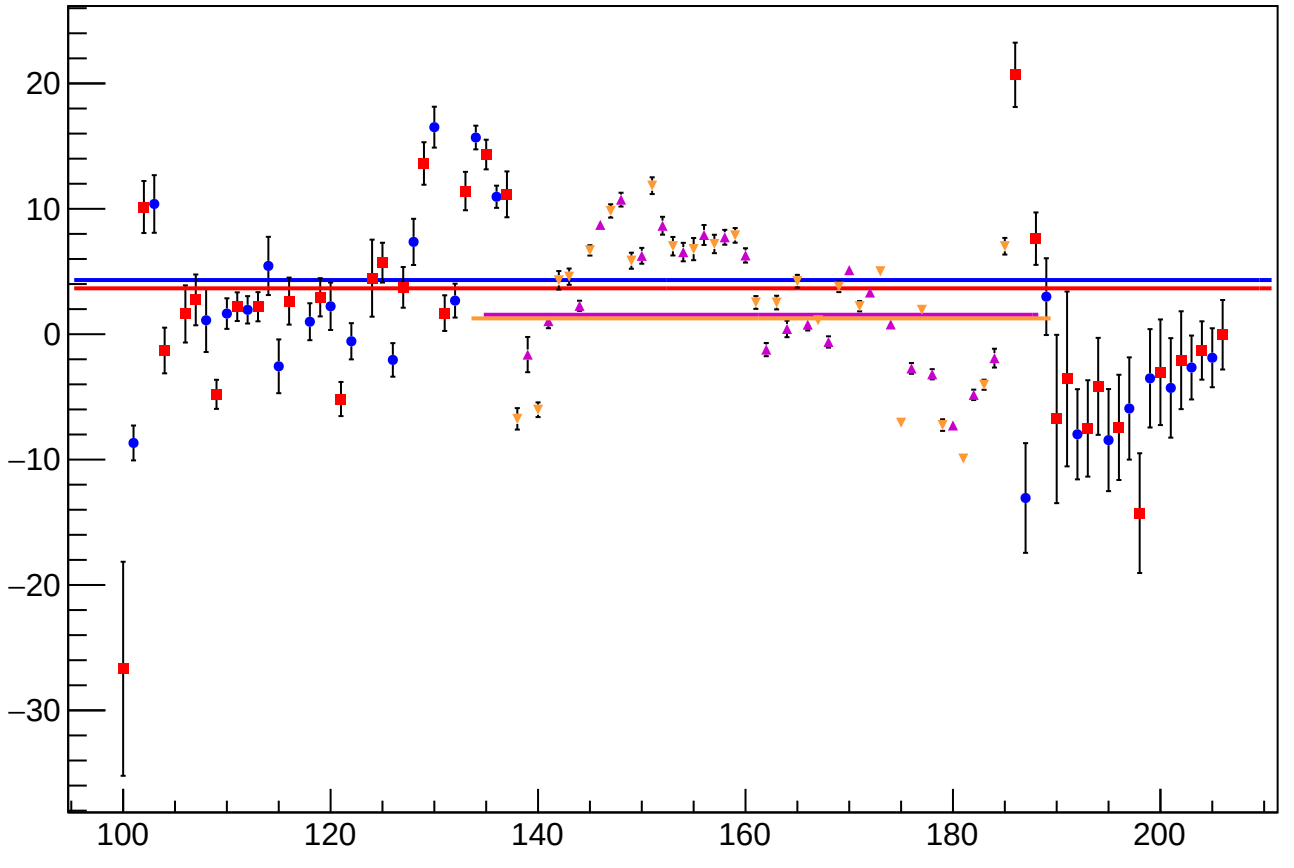
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.127+/-0.200 χ^2/NDF: 4487.4/55

In: -50.057+/-0.108 χ^2/NDF:24631.1/47

Out: -51.165+/-0.105 χ^2/NDF:30486.4/55

All: -50.625+/-0.075 χ^2/NDF: 55171.5/103



Right In: 4.320+/-0.333 χ^2/NDF: 484.7/24

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.659+/-0.338 χ^2/NDF: 387.6/30

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

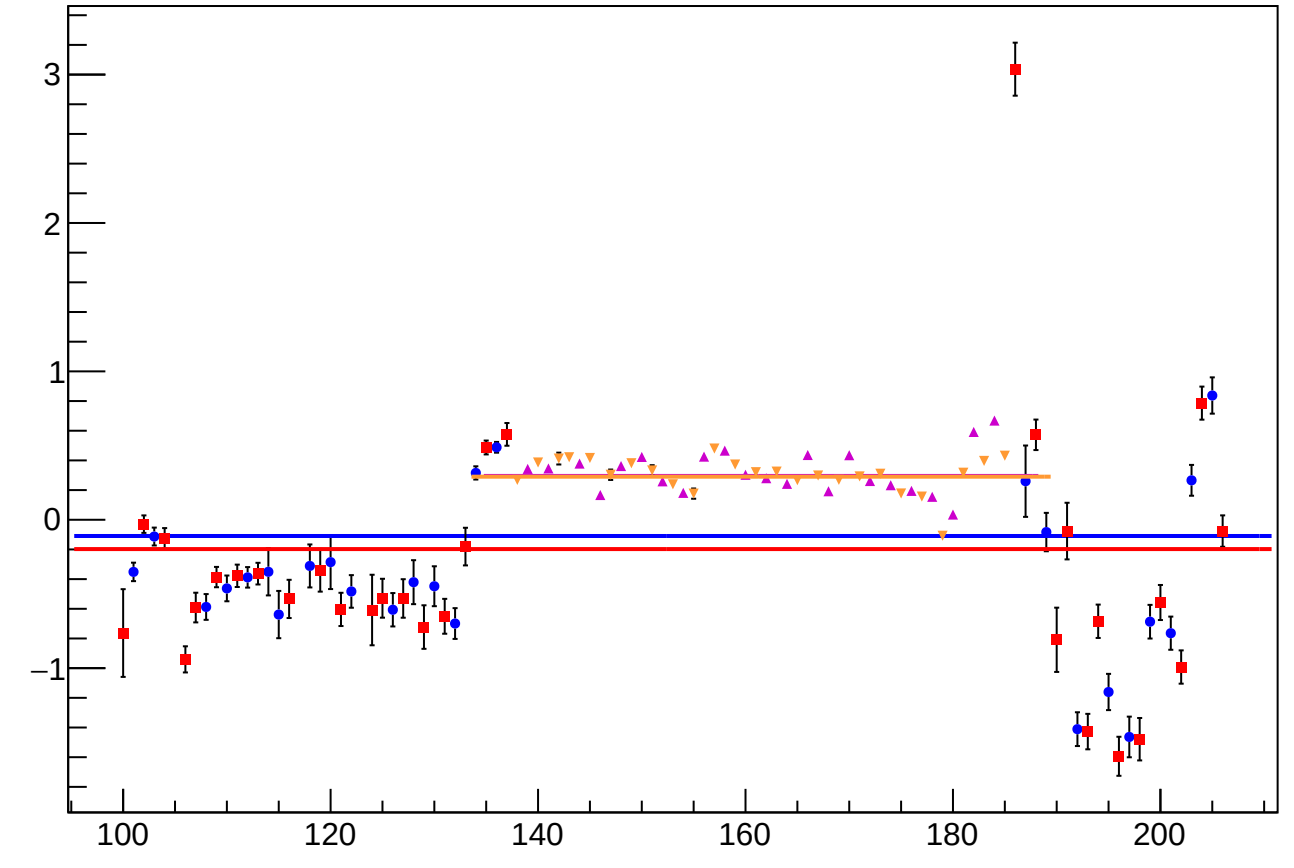
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 3.994+/-0.237 χ^2/NDF: 874.2/55

In: 1.788+/-0.098 χ^2/NDF:2883.4/47

Out: 1.456+/-0.096 χ^2/NDF:3879.5/55

All: 1.620+/-0.069 χ^2/NDF: 6768.8/103



Right In: -0.109+/-0.017 χ^2/NDF: 970.4/24

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.018 χ^2/NDF: 1347.9/30

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

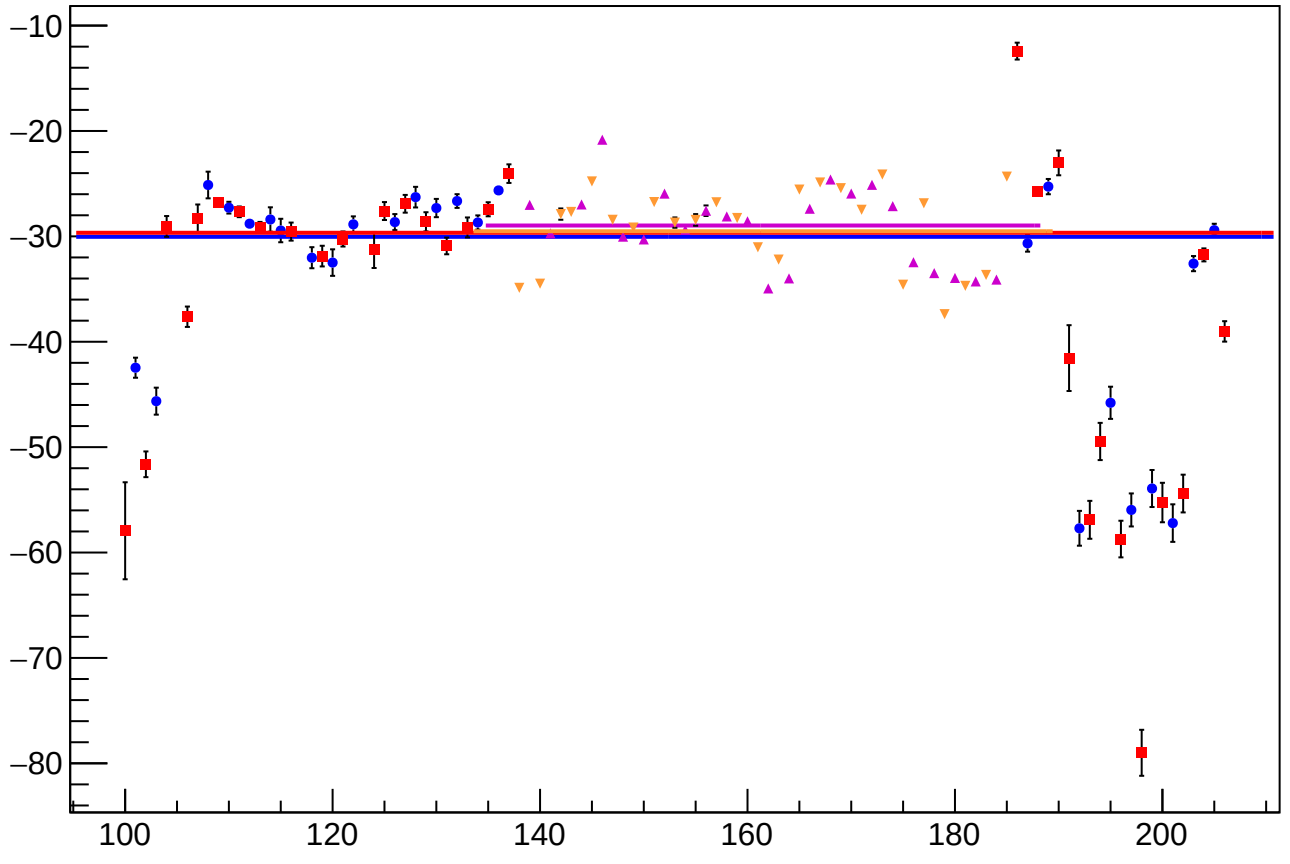
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.152+/-0.012 χ^2/NDF: 2331.1/55

In: 0.269+/-0.004 χ^2/NDF:2522.8/47

Out: 0.261+/-0.004 χ^2/NDF:2782.9/55

All: 0.265+/-0.003 χ^2/NDF: 5307.3/103



Right In: -30.042+/-0.160 χ^2/NDF: 1674.1/24

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.660+/-0.152 χ^2/NDF: 2782.6/30

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

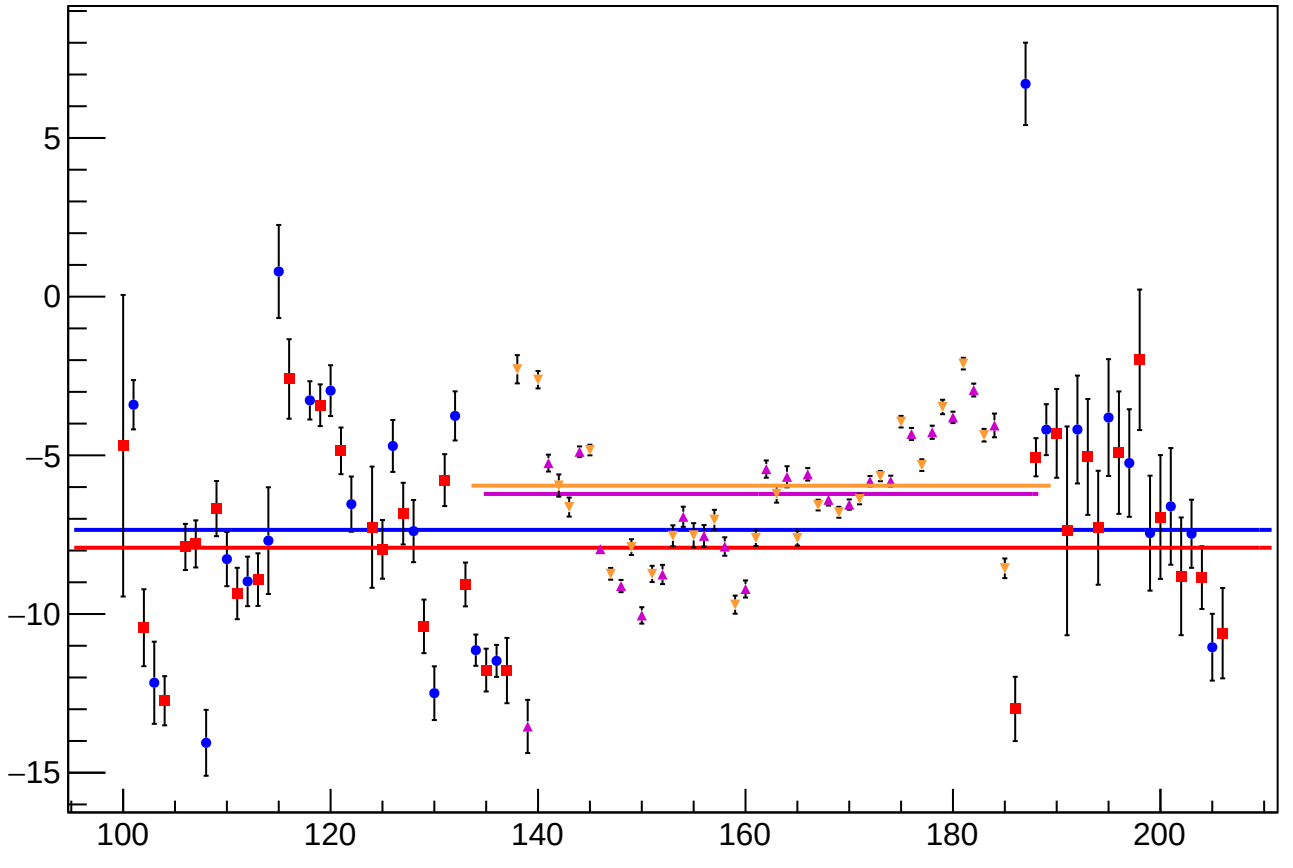
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.841+/-0.110 χ^2/NDF: 4459.7/55

In: -29.091+/-0.054 χ^2/NDF:7062.3/47

Out: -29.534+/-0.053 χ^2/NDF:8871.9/55

All: -29.316+/-0.038 χ^2/NDF: 15968.7/103



Right In: -7.349+/-0.177 χ^2/NDF: 543.3/24

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.911+/-0.173 χ^2/NDF: 269.9/30

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

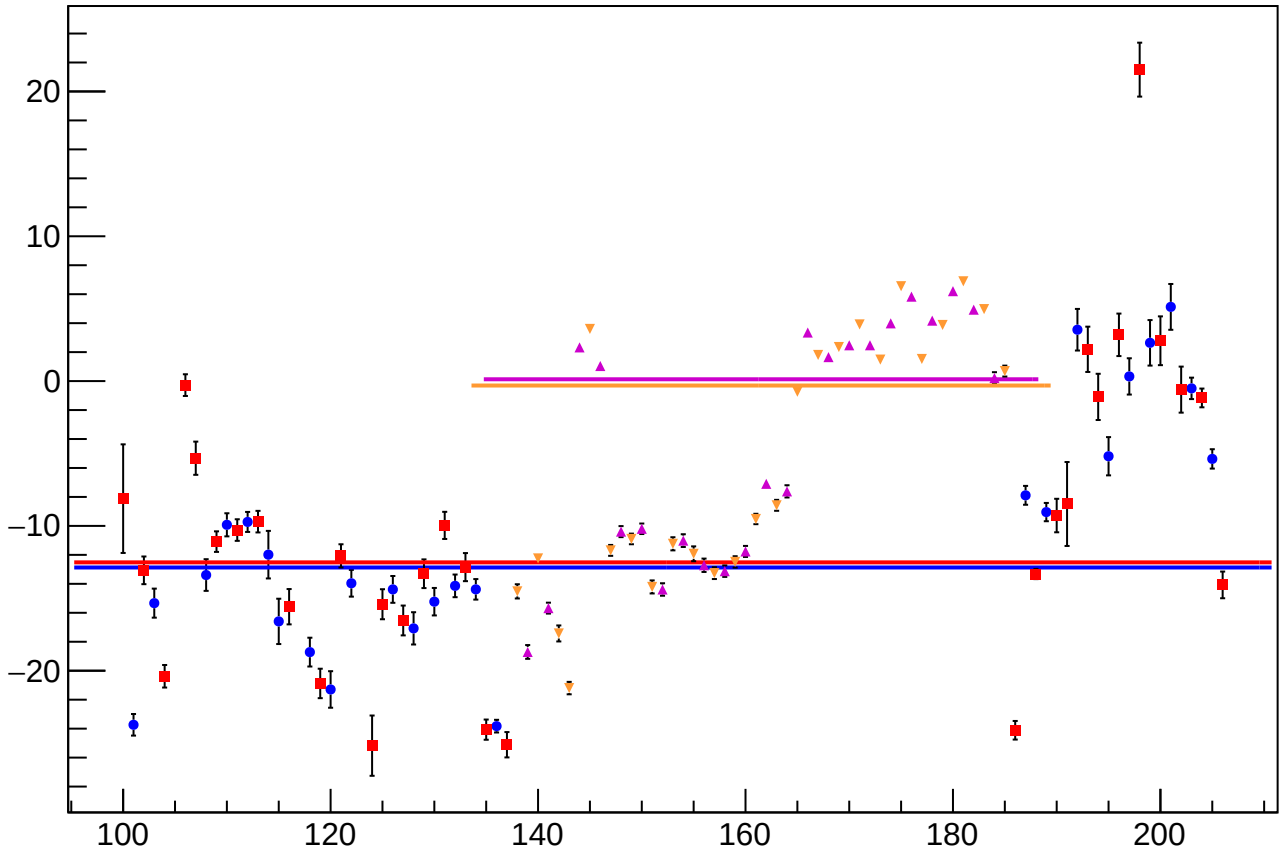
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.636+/-0.124 χ^2/NDF: 818.4/55

In: -6.283+/-0.043 χ^2/NDF:2323.5/47

Out: -6.077+/-0.043 χ^2/NDF:2247.3/55

All: -6.180+/-0.030 χ^2/NDF: 4582.3/103



Right In: -12.872+/-0.171 χ^2/NDF: 1998.4/24

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.518+/-0.158 χ^2/NDF: 2439.1/30

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

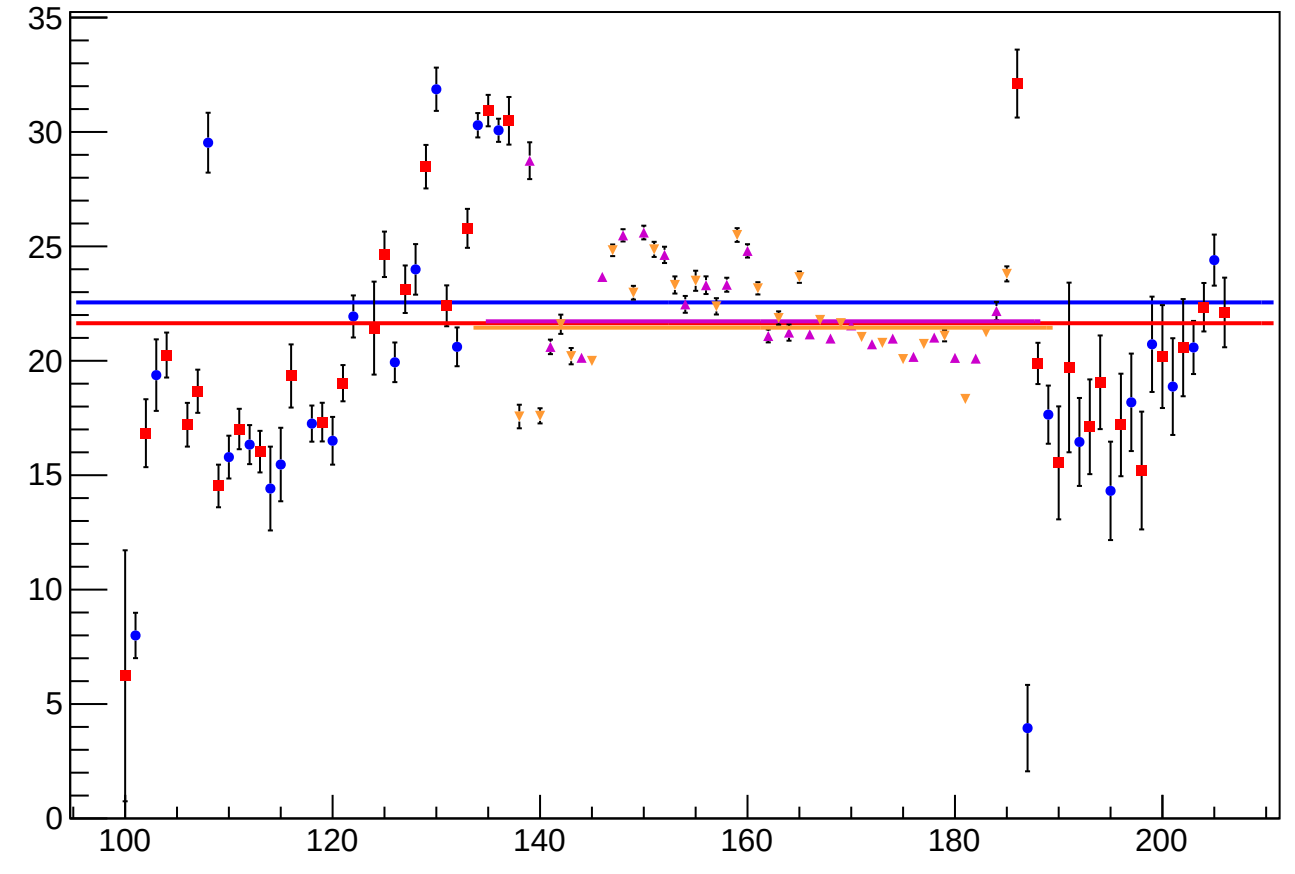
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -12.681+/-0.116 χ^2/NDF: 4439.8/55

In: -1.176+/-0.054 χ^2/NDF:21041.5/47

Out: -1.692+/-0.053 χ^2/NDF:24911.5/55

All: -1.438+/-0.038 χ^2/NDF: 45999.2/103



Right In: 22.551+/-0.202 χ^2/NDF: 1167.7/24

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.642+/-0.203 χ^2/NDF: 636.1/30

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

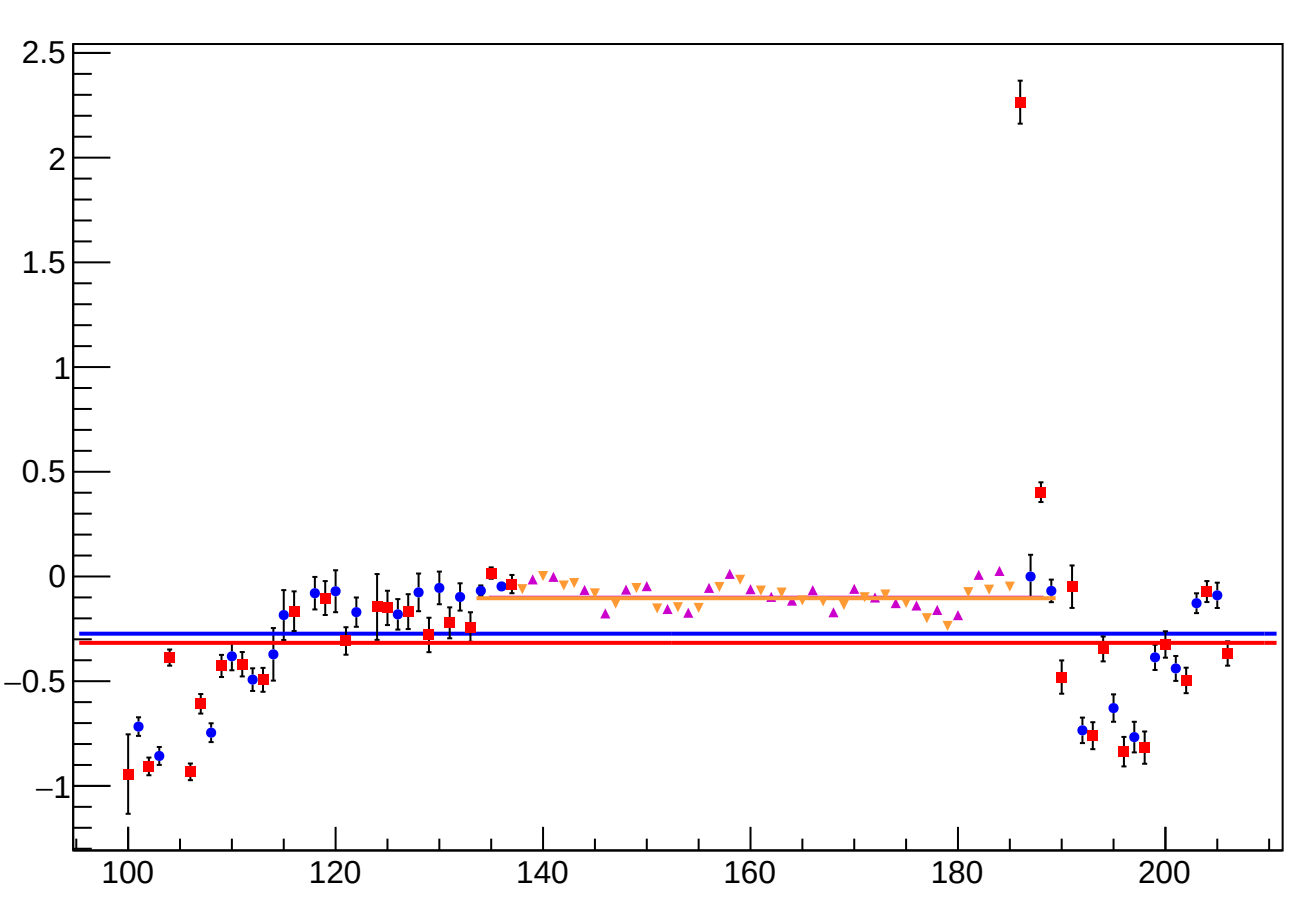
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.099+/-0.143 χ^2/NDF: 1813.9/55

In: 21.772+/-0.048 χ^2/NDF:2357.2/47

Out: 21.458+/-0.048 χ^2/NDF:1962.2/55

All: 21.615+/-0.034 χ^2/NDF: 4340.8/103



Right In: -0.273+/-0.010 χ^2/NDF: 821.2/24

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.317+/-0.010 χ^2/NDF: 1773.2/30

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

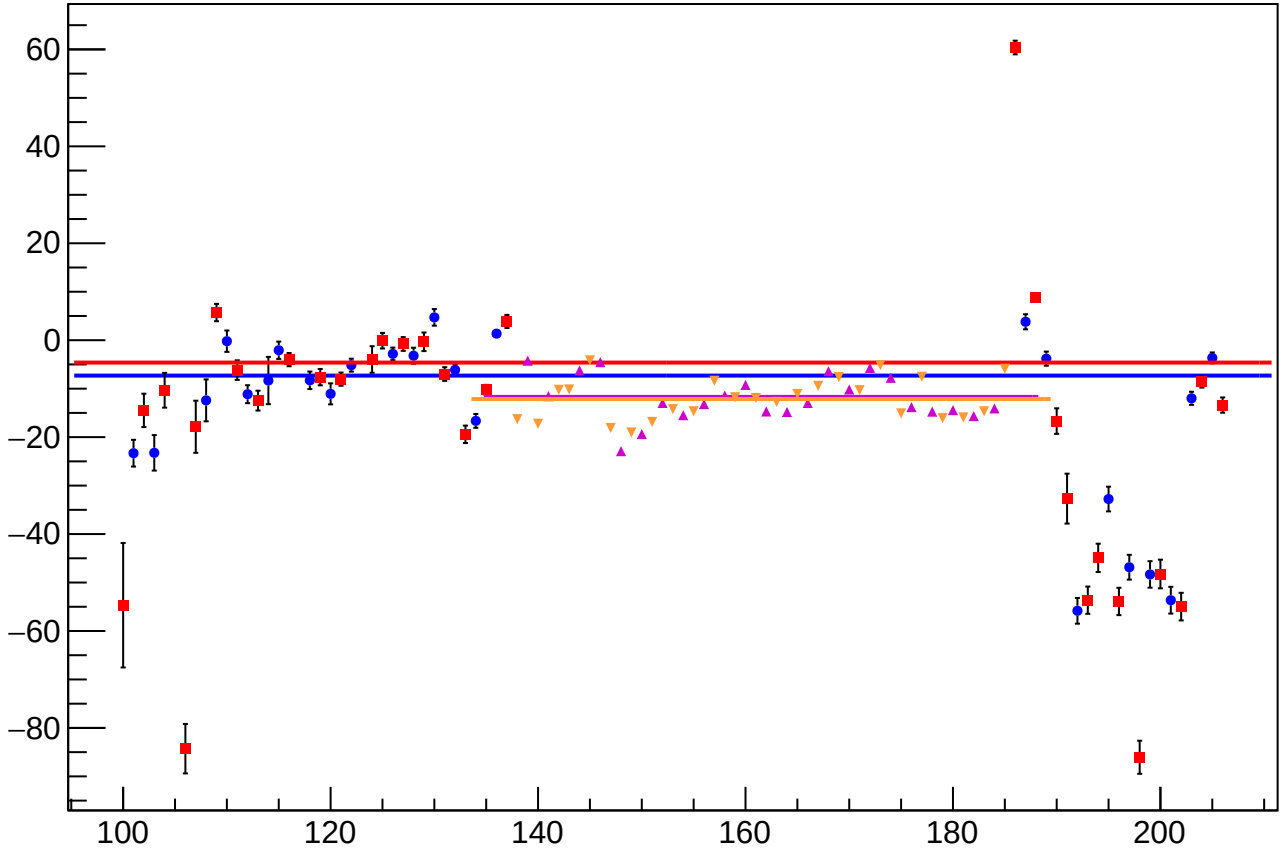
Right: -0.295+/-0.007 χ^2/NDF: 2603.6/55

In: -0.109+/-0.002 χ^2/NDF:1853.7/47

Out: -0.113+/-0.002 χ^2/NDF:2732.0/55

All: -0.111+/-0.002 χ^2/NDF: 4587.3/103

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.305+/-0.319 χ^2/NDF: 1615.6/24

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.617+/-0.316 χ^2/NDF: 4874.9/30

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

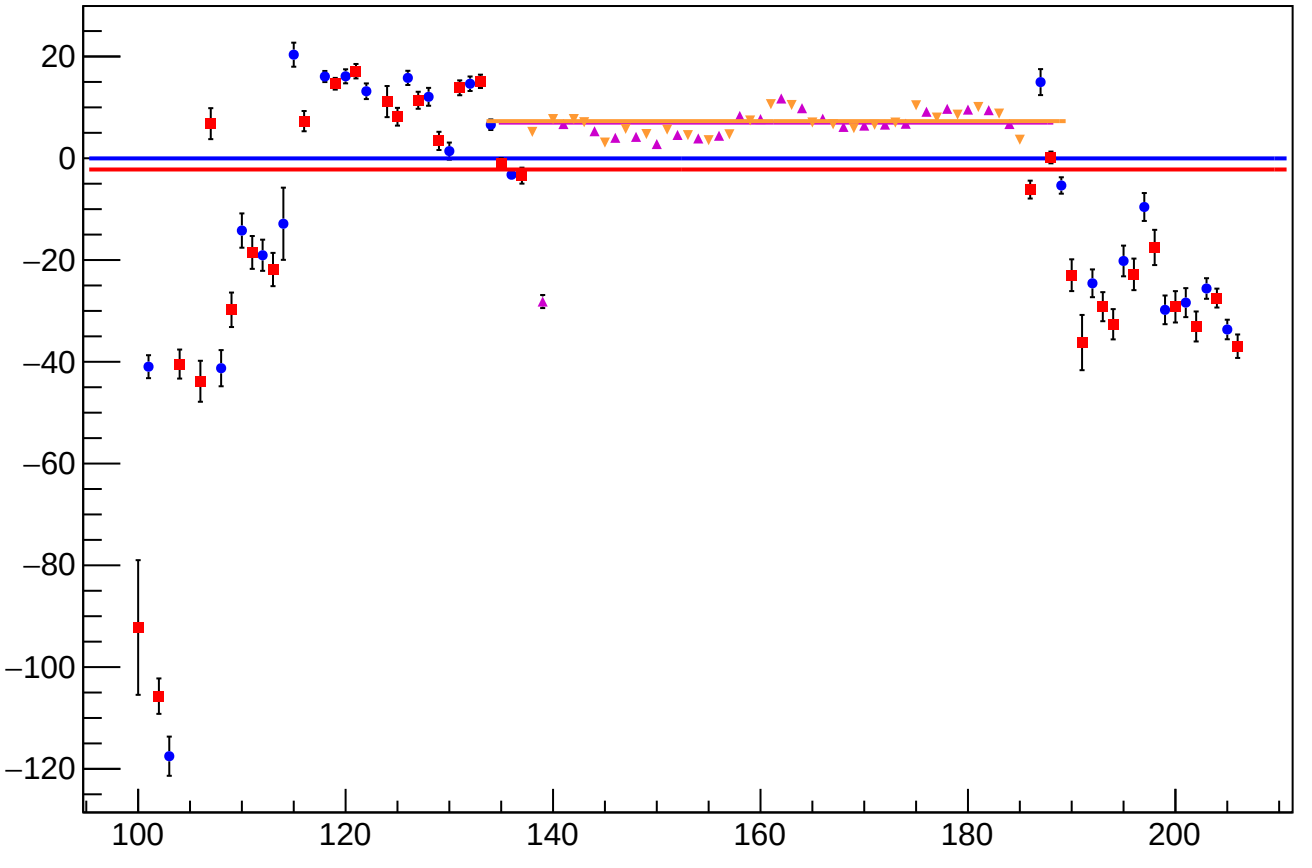
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.945+/-0.225 χ^2/NDF: 6526.4/55

In: -11.346+/-0.090 χ^2/NDF:3740.7/47

Out: -11.560+/-0.088 χ^2/NDF:7529.5/55

All: -11.456+/-0.063 χ^2/NDF: 11273.0/103



Right In: -0.025+/-0.345 χ^2/NDF: 3154.2/24

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -2.207+/-0.355 χ^2/NDF: 3151.6/30

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

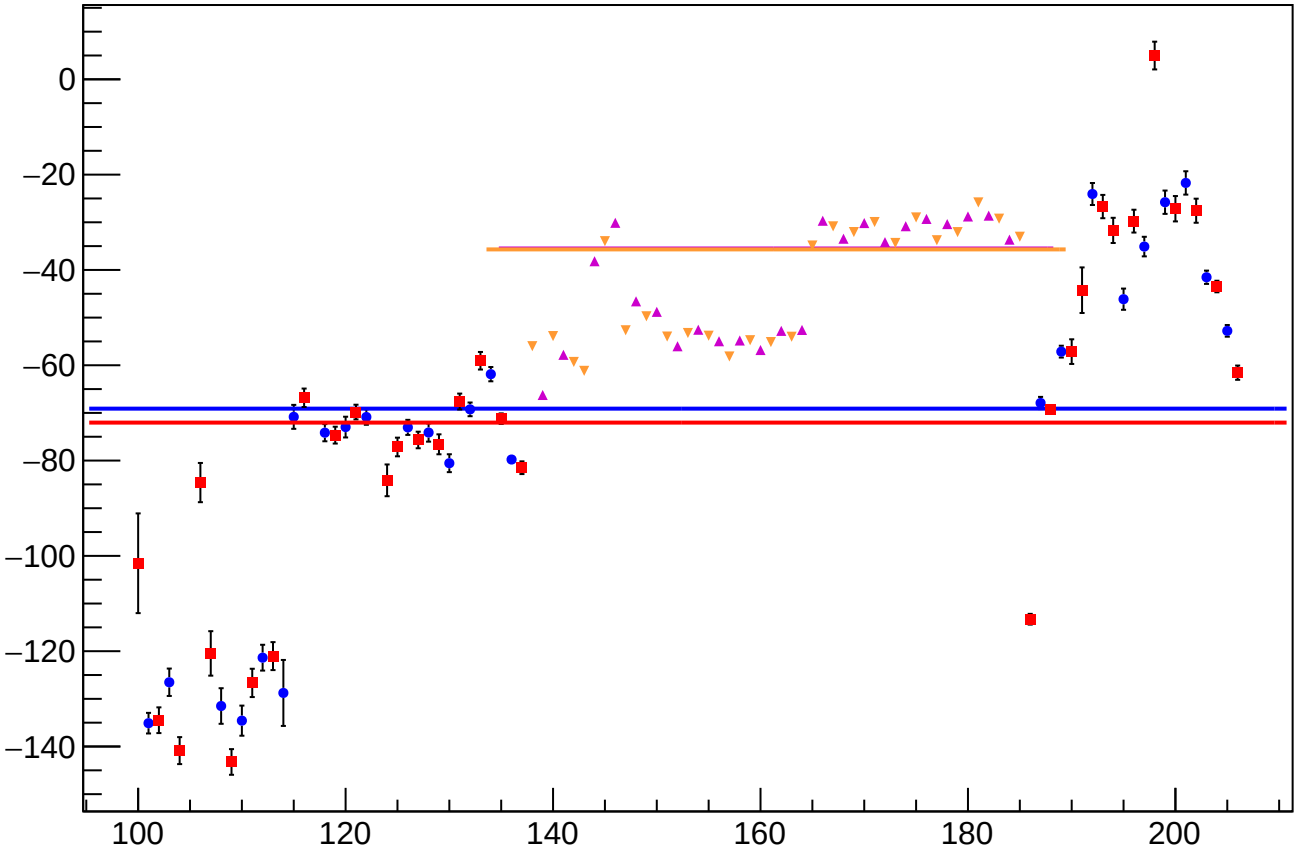
Right: -1.084+/-0.247 χ^2/NDF: 6325.3/55

In: 6.678+/-0.074 χ^2/NDF:5127.1/47

Out: 6.891+/-0.073 χ^2/NDF:4660.6/55

All: 6.786+/-0.052 χ^2/NDF: 9791.9/103

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.104+/-0.331 χ^2/NDF: 4927.2/24

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.034+/-0.316 χ^2/NDF: 6929.7/30

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

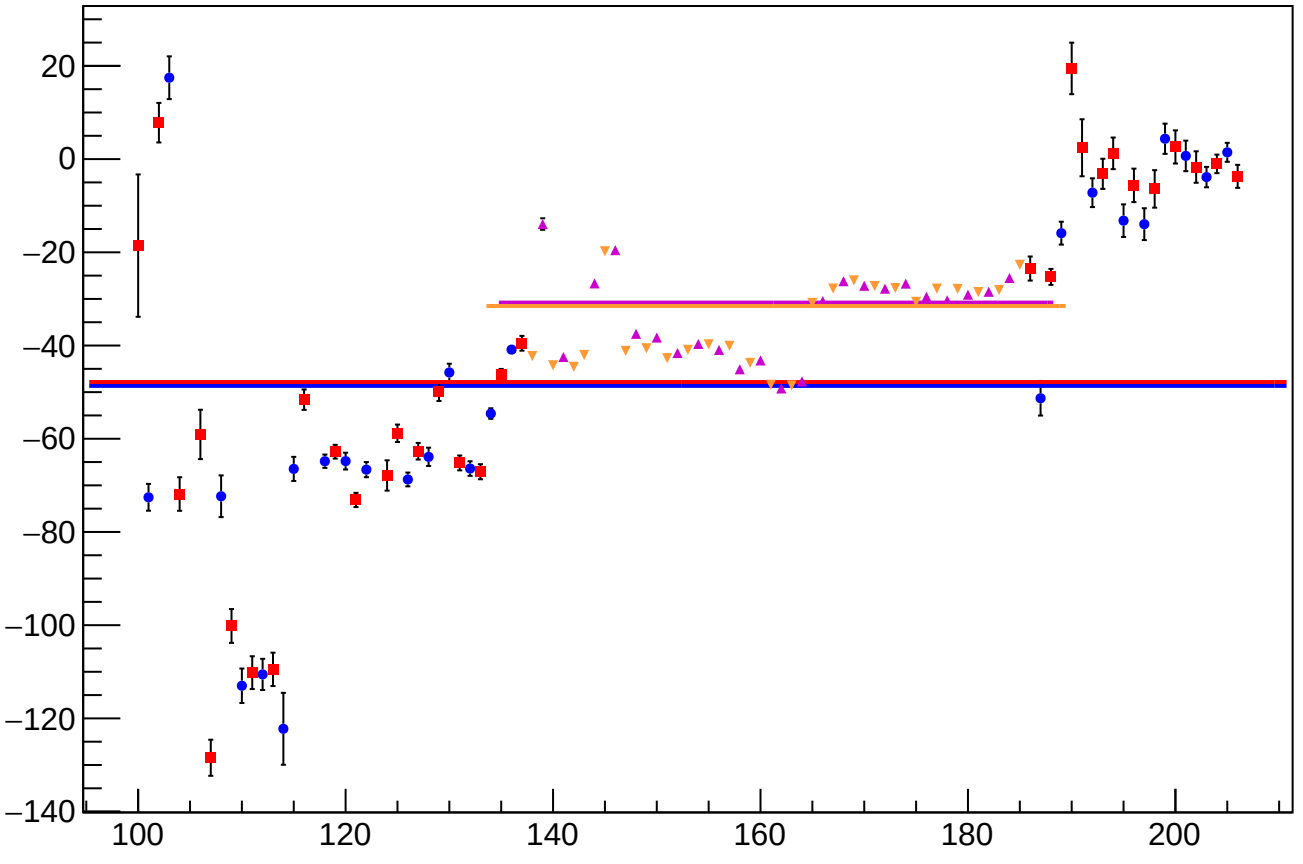
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.633+/-0.229 χ^2/NDF: 11897.9/55

In: -38.041+/-0.091 χ^2/NDF:25644.9/47

Out: -38.537+/-0.089 χ^2/NDF:31869.9/55

All: -38.295+/-0.063 χ^2/NDF: 57530.1/103



Right In: -48.655+/-0.387 χ^2/NDF: 4002.3/24

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -47.830+/-0.409 χ^2/NDF: 4674.5/30

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

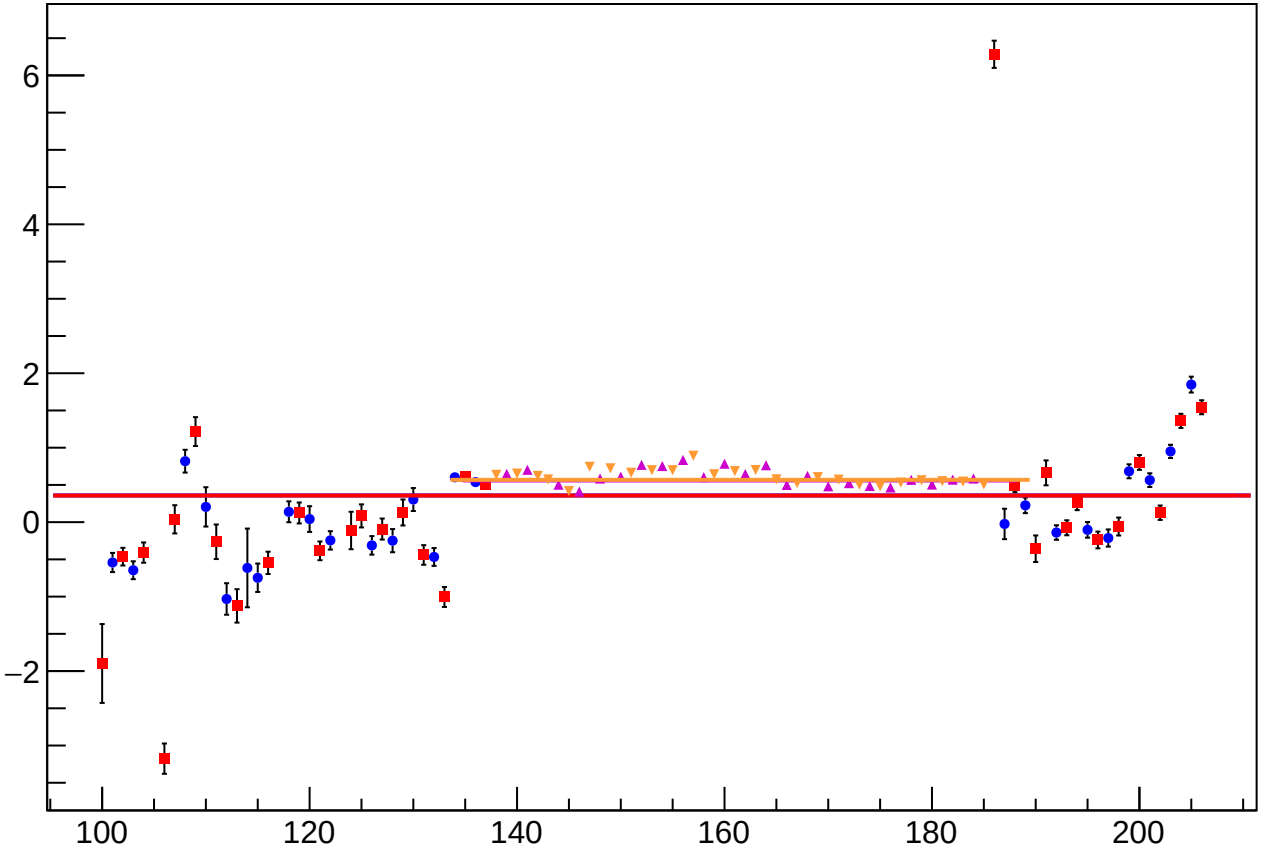
Right: -48.265+/-0.281 χ^2/NDF: 8678.9/55

In: -31.597+/-0.082 χ^2/NDF:13582.7/47

Out: -32.162+/-0.081 χ^2/NDF:14661.1/55

All: -31.884+/-0.058 χ^2/NDF: 28267.8/103

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.359+/-0.019 χ^2/NDF: 710.6/24

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.357+/-0.020 χ^2/NDF: 2172.5/30

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

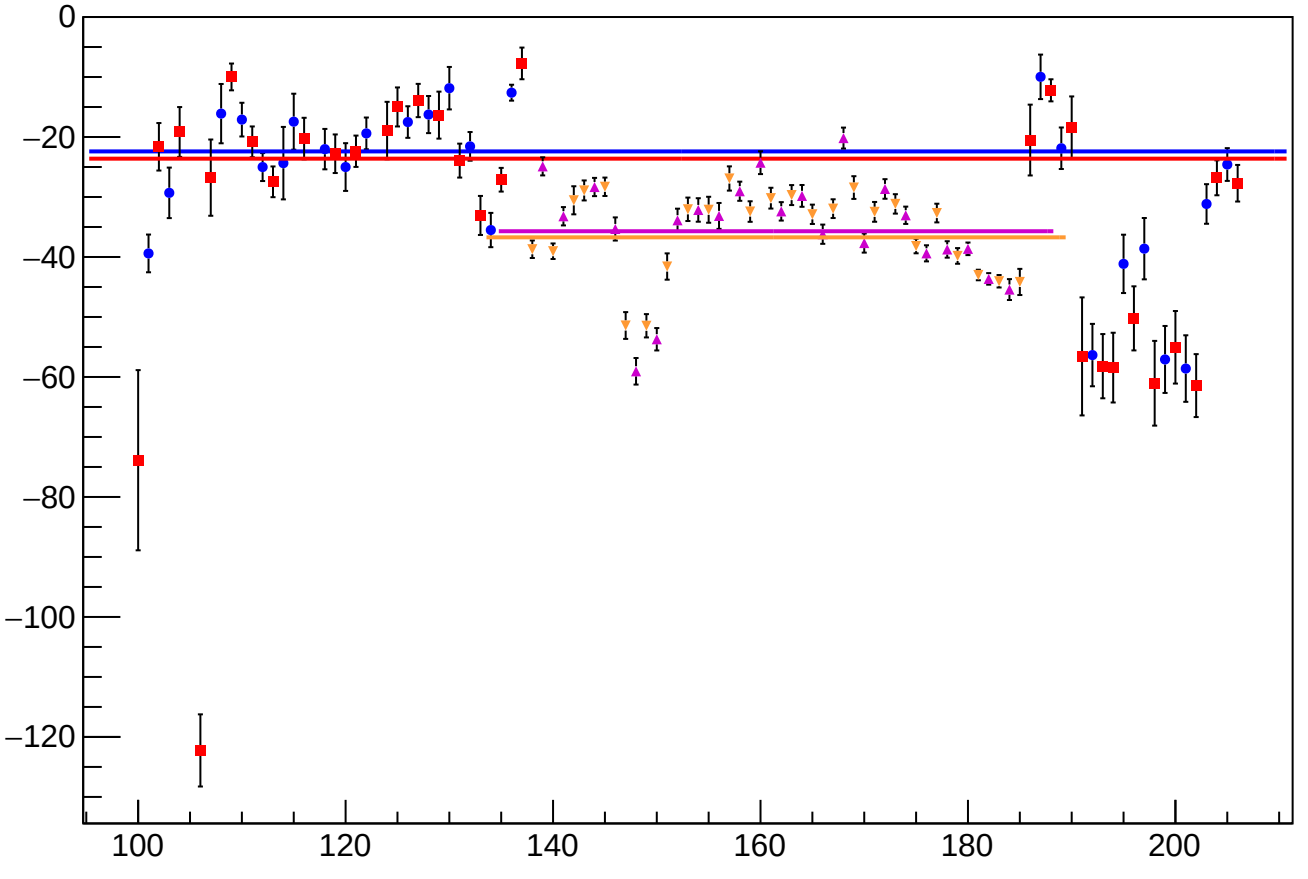
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.358+/-0.014 χ^2/NDF: 2883.1/55

In: 0.552+/-0.004 χ^2/NDF:1488.3/47

Out: 0.561+/-0.004 χ^2/NDF:2832.0/55

All: 0.557+/-0.003 χ^2/NDF: 4323.4/103



Right In: -22.401+/-0.616 χ^2/NDF: 300.8/24

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.611+/-0.604 χ^2/NDF: 658.7/30

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

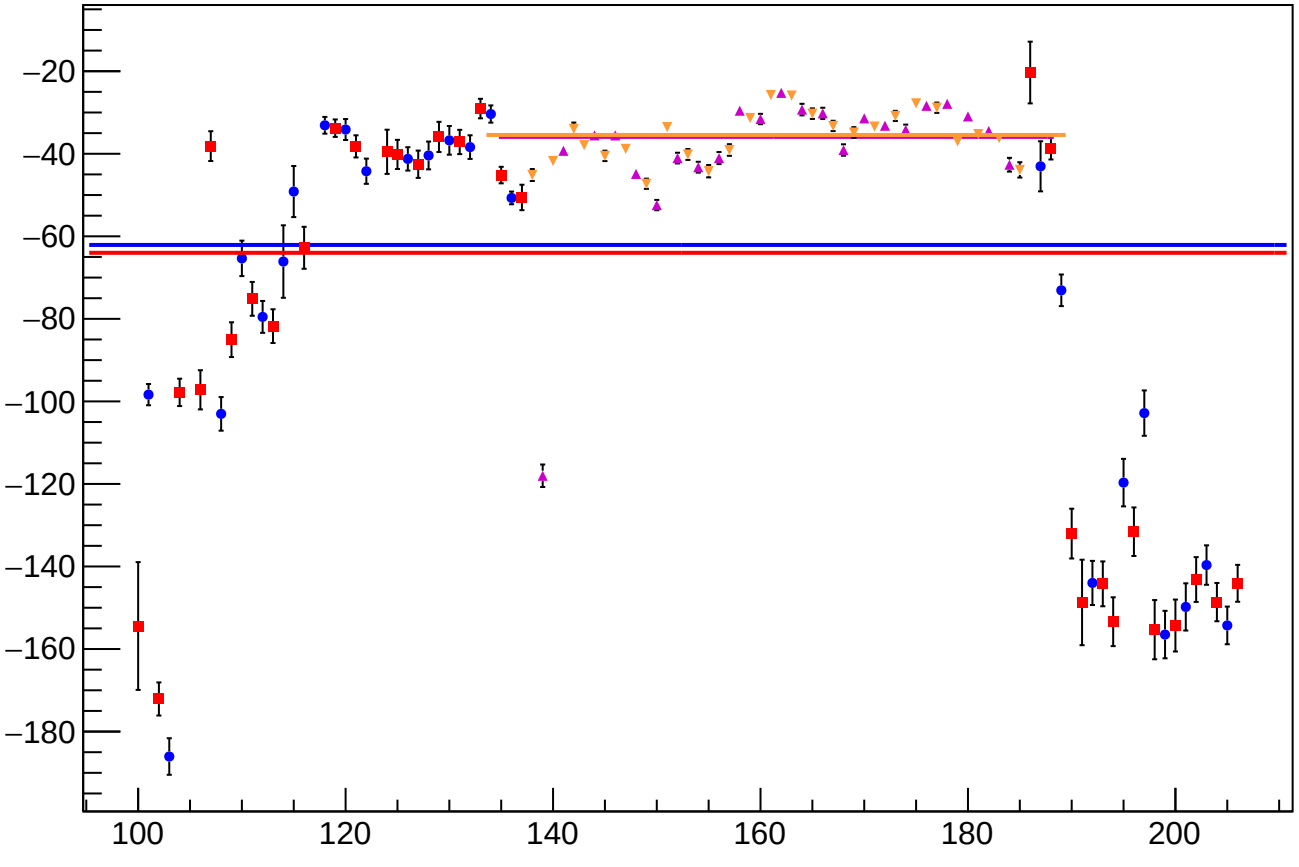
Right: -23.018+/-0.431 χ^2/NDF: 961.5/55

In: -32.834+/-0.286 χ^2/NDF:1245.3/47

Out: -33.985+/-0.276 χ^2/NDF:1452.8/55

All: -33.430+/-0.199 χ^2/NDF: 2706.5/103

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -62.091+/-0.654 χ^2/NDF: 3552.7/24

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -63.995+/-0.666 χ^2/NDF: 4022.5/30

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

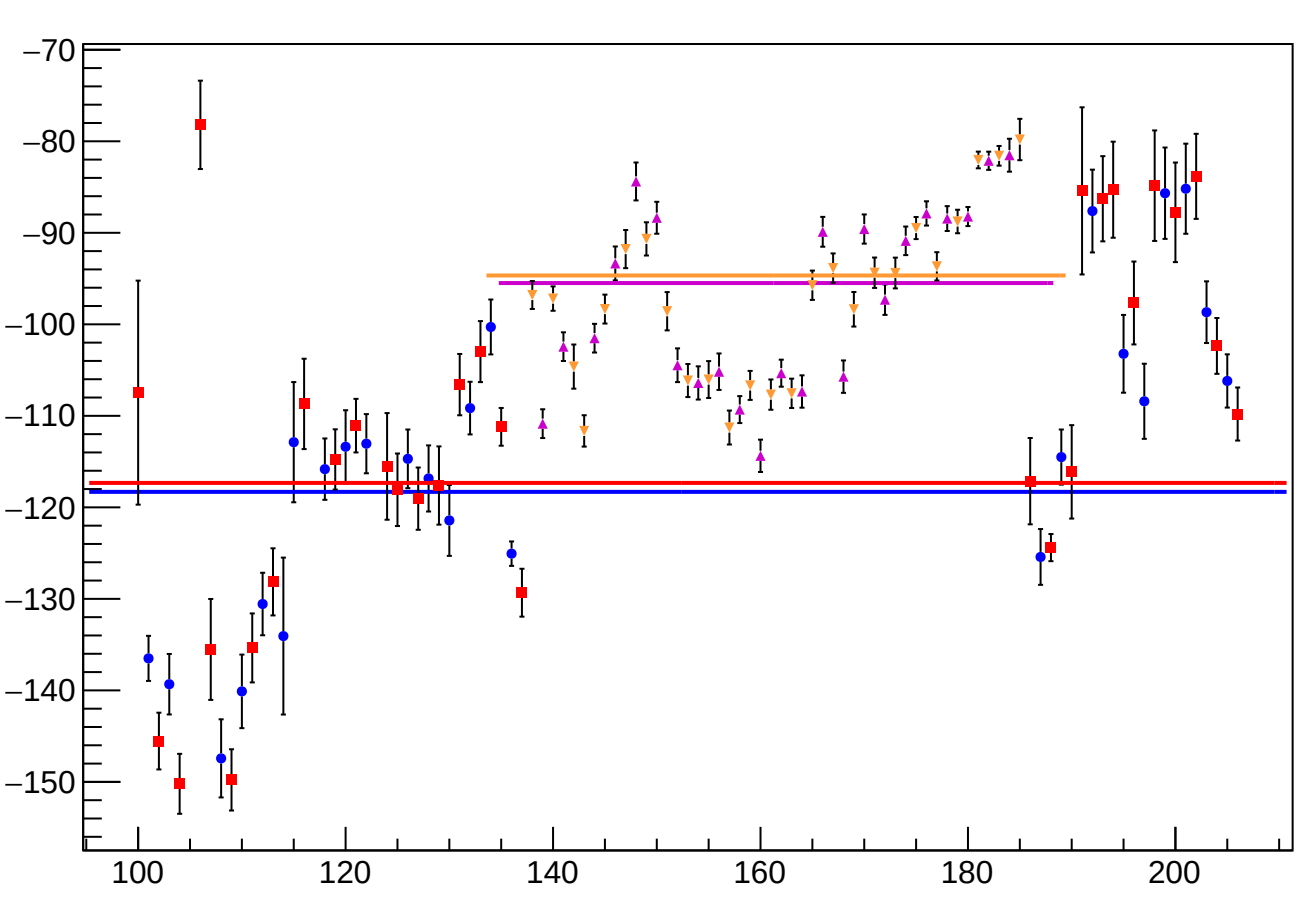
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

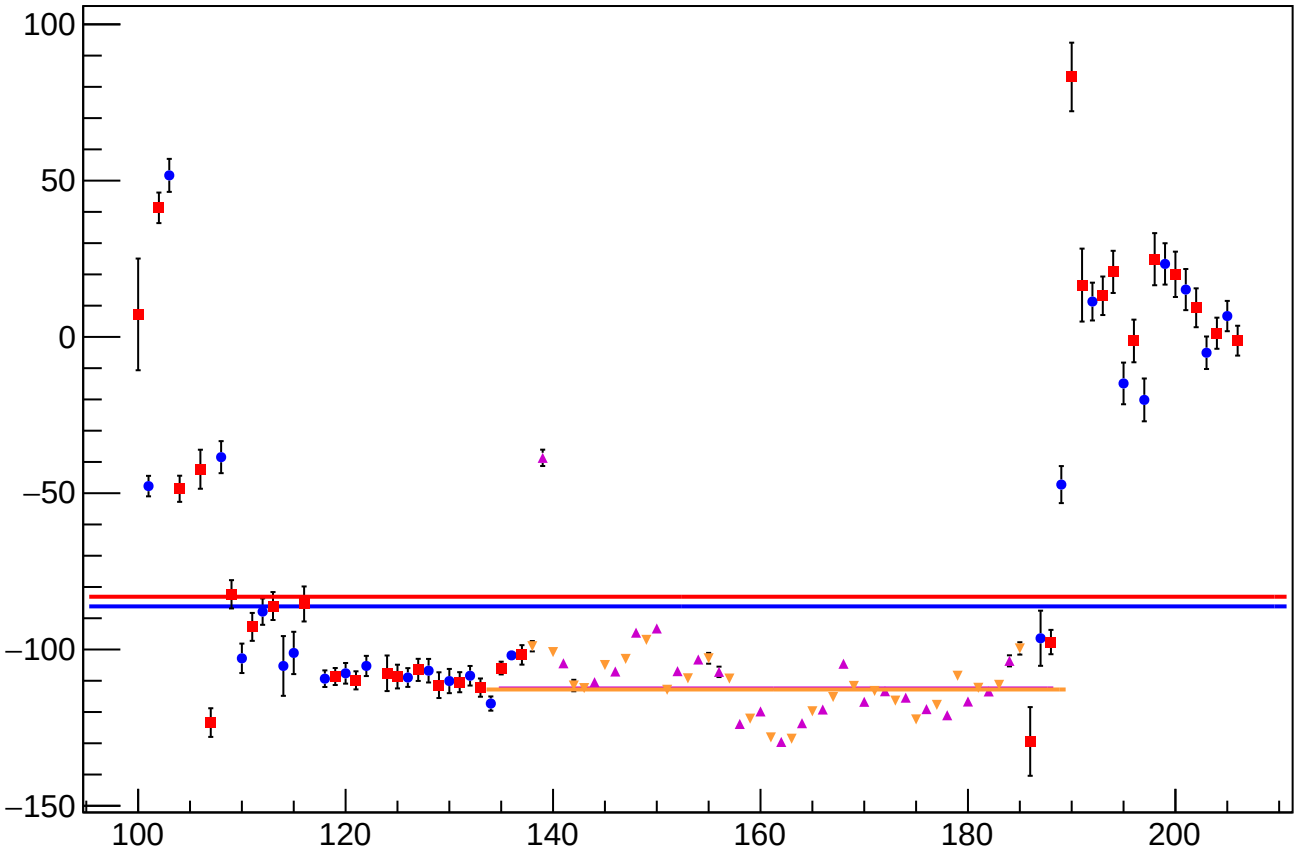
Right: -63.025+/-0.467 χ^2/NDF: 7579.4/55

In: -39.397+/-0.238 χ^2/NDF:6486.1/47

Out: -38.841+/-0.230 χ^2/NDF:6178.5/55

All: -39.109+/-0.165 χ^2/NDF: 12667.4/103


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
120
140
160
180
200
Right In: -118.308+/-0.639 χ²/NDF: 477.4/24
Left Out: -94.663+/-0.310 χ²/NDF:900.1/24
Right Out: -117.330+/-0.623 χ²/NDF: 730.4/30
Left In: -95.489+/-0.321 χ²/NDF:970.1/22
Left: -95.061+/-0.223 χ²/NDF: 1873.6/47
Right: -117.807+/-0.446 χ²/NDF: 1208.9/55
In: -100.088+/-0.287 χ²/NDF:2464.7/47
Out: -99.152+/-0.277 χ²/NDF:2690.6/55
All: -99.604+/-0.199 χ²/NDF: 5160.8/103



Right In: -86.208+/-0.740 χ^2/NDF: 3179.3/24

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -83.118+/-0.764 χ^2/NDF: 3660.4/30

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

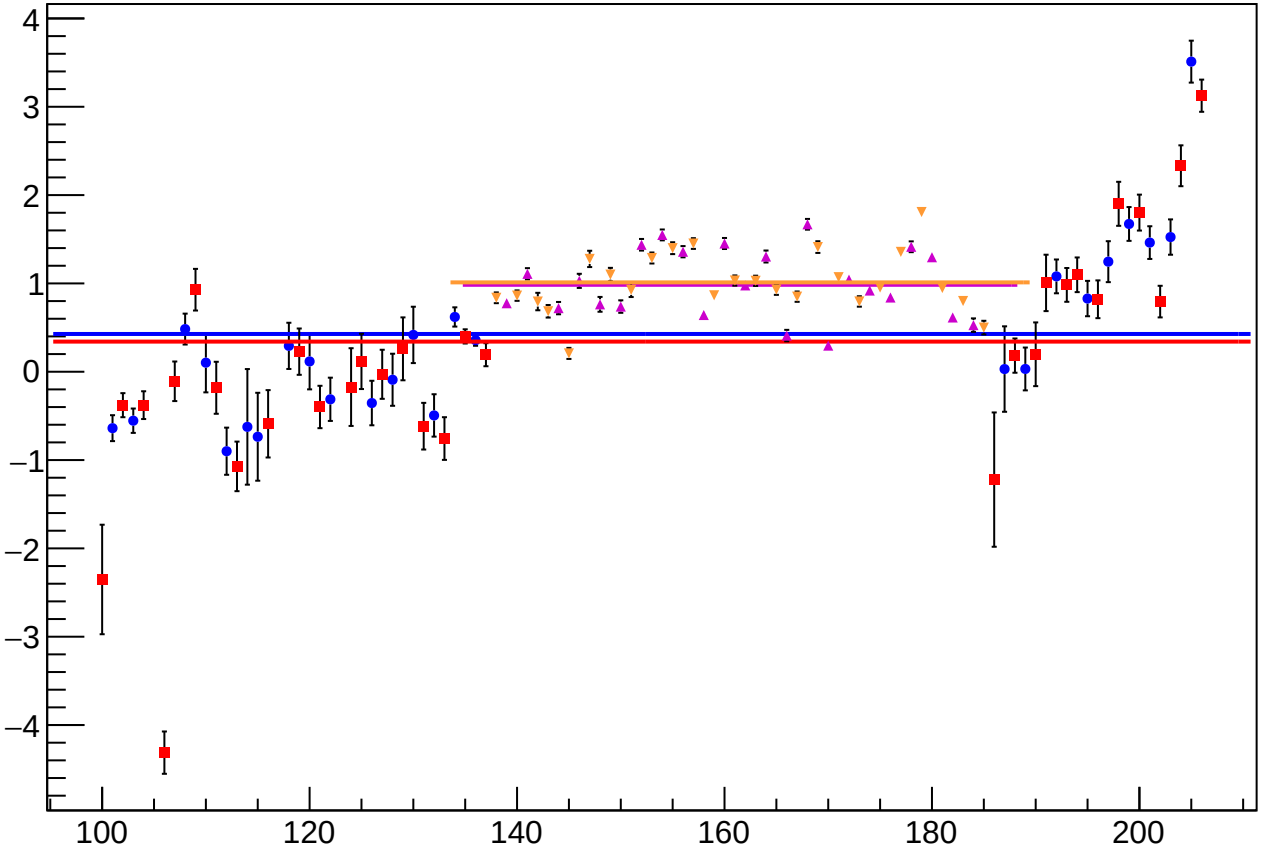
Right: -84.714+/-0.532 χ^2/NDF: 6848.1/55

In: -109.074+/-0.266 χ^2/NDF:6065.5/47

Out: -109.414+/-0.258 χ^2/NDF:5932.4/55

All: -109.249+/-0.185 χ^2/NDF: 11998.7/103

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.428+/-0.036 χ^2/NDF: 483.2/24

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.341+/-0.037 χ^2/NDF: 984.1/30

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

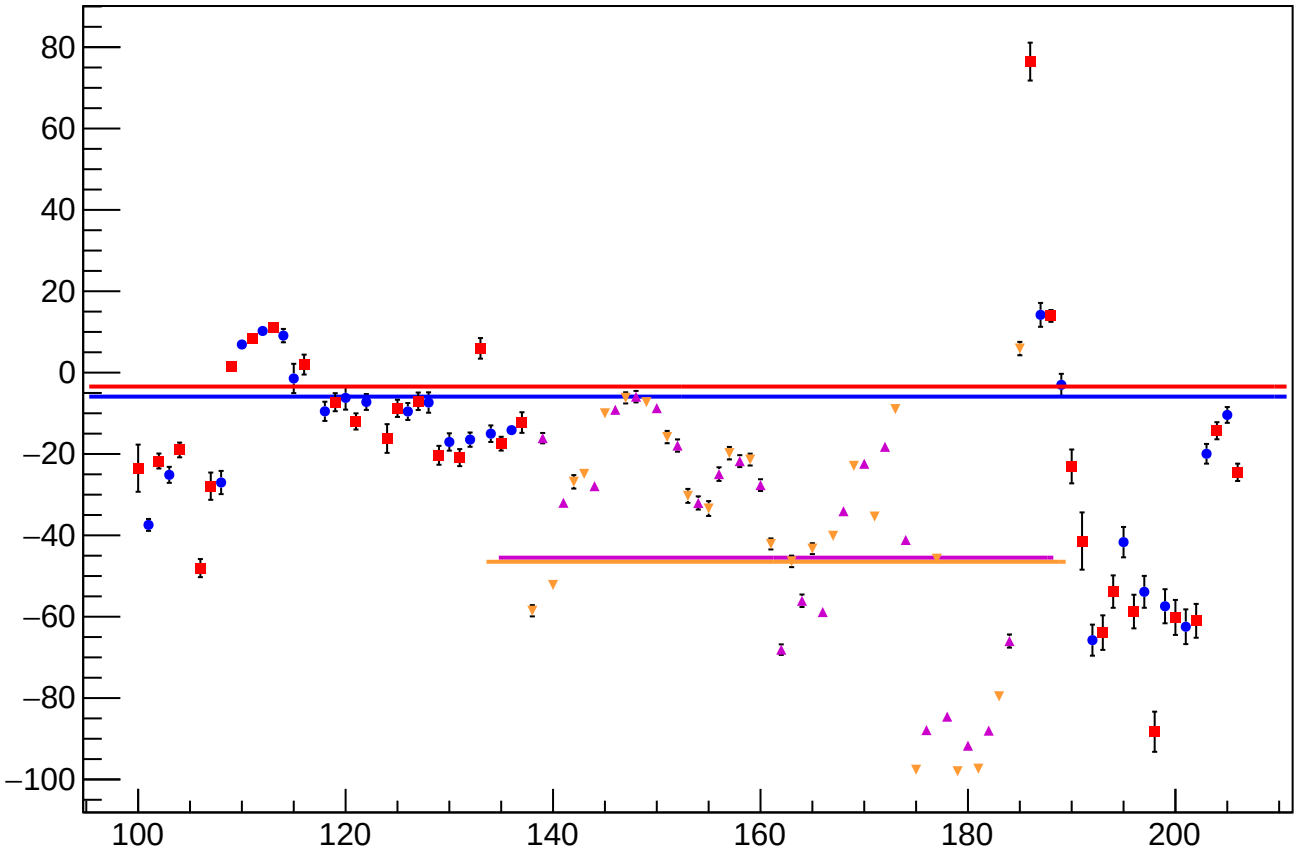
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

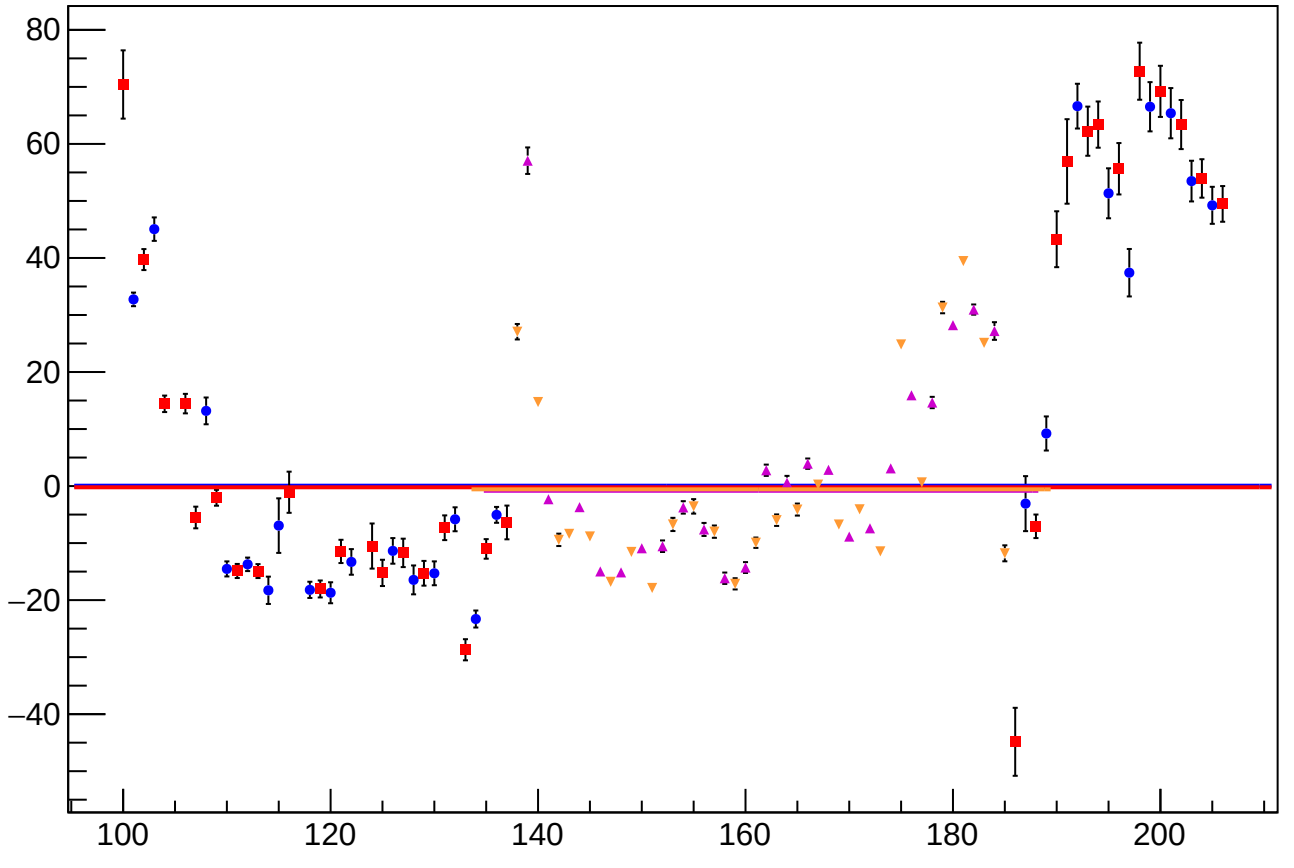
Right: 0.386+/-0.026 χ^2/NDF: 1470.1/55

In: 0.923+/-0.012 χ^2/NDF:1598.5/47

Out: 0.945+/-0.012 χ^2/NDF:1973.9/55

All: 0.934+/-0.008 χ^2/NDF: 3574.1/103


reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -5.899+/-0.352 χ²/NDF: 2470.1/24
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -3.426+/-0.315 χ²/NDF: 3374.4/30
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -4.523+/-0.235 χ²/NDF: 5871.9/55
In: -33.111+/-0.197 χ²/NDF:26713.3/47
Out: -31.482+/-0.186 χ²/NDF:35633.1/55
All: -32.248+/-0.135 χ²/NDF: 62382.6/103



Right In: 0.064+/-0.408 χ^2/NDF: 3696.9/24

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -0.215+/-0.394 χ^2/NDF: 3661.0/30

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

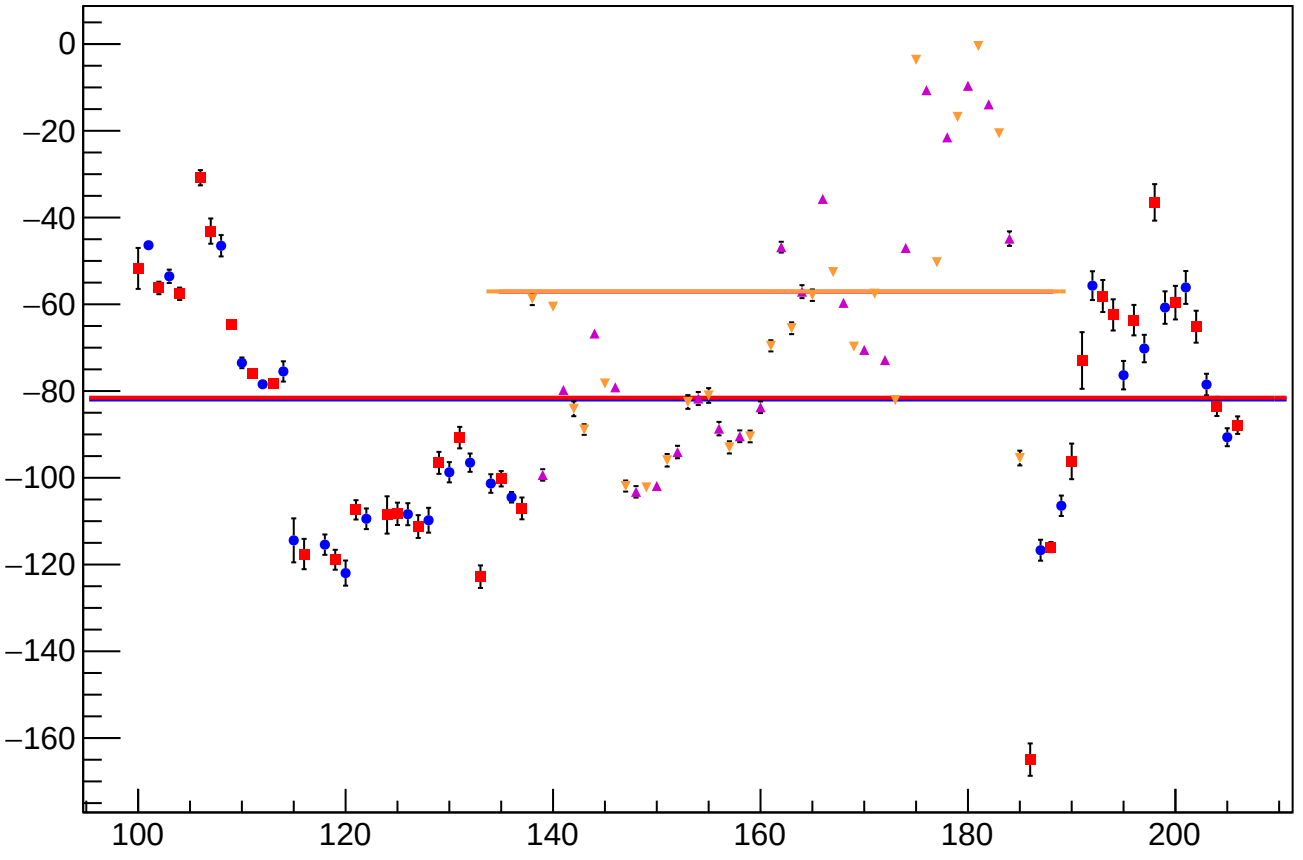
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -0.080+/-0.284 χ^2/NDF: 7358.1/55

In: -0.679+/-0.167 χ^2/NDF:9817.4/47

Out: -0.512+/-0.162 χ^2/NDF:12113.2/55

All: -0.593+/-0.116 χ^2/NDF: 21931.1/103



Right In: -81.951+/-0.396 χ^2/NDF: 3366.9/24

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.532+/-0.365 χ^2/NDF: 4880.5/30

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

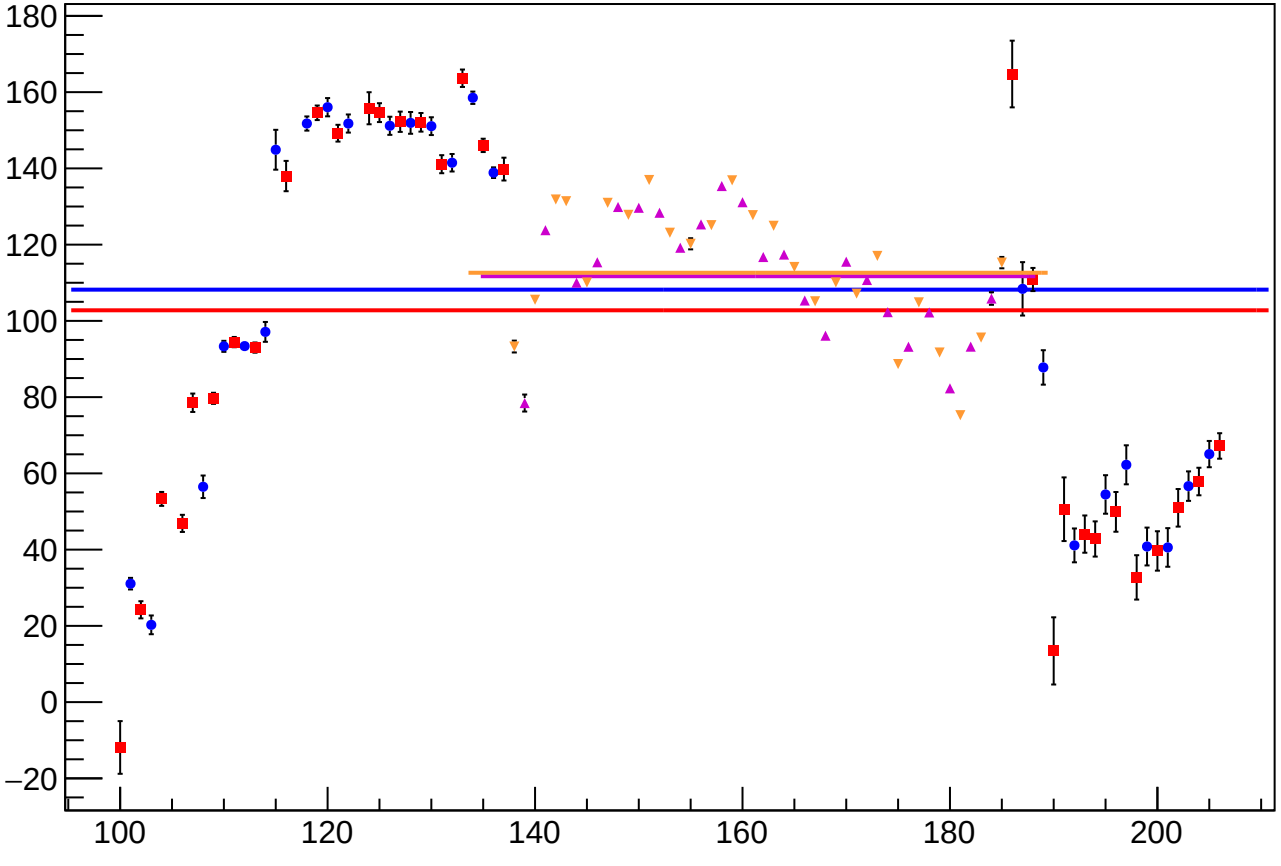
Right: -81.724+/-0.268 χ^2/NDF: 8248.0/55

In: -63.629+/-0.203 χ^2/NDF:23438.5/47

Out: -63.995+/-0.194 χ^2/NDF:28420.1/55

All: -63.820+/-0.140 χ^2/NDF: 51860.2/103

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.194+/-0.466 χ^2/NDF: 9445.2/24

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.777+/-0.452 χ^2/NDF: 8929.2/30

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

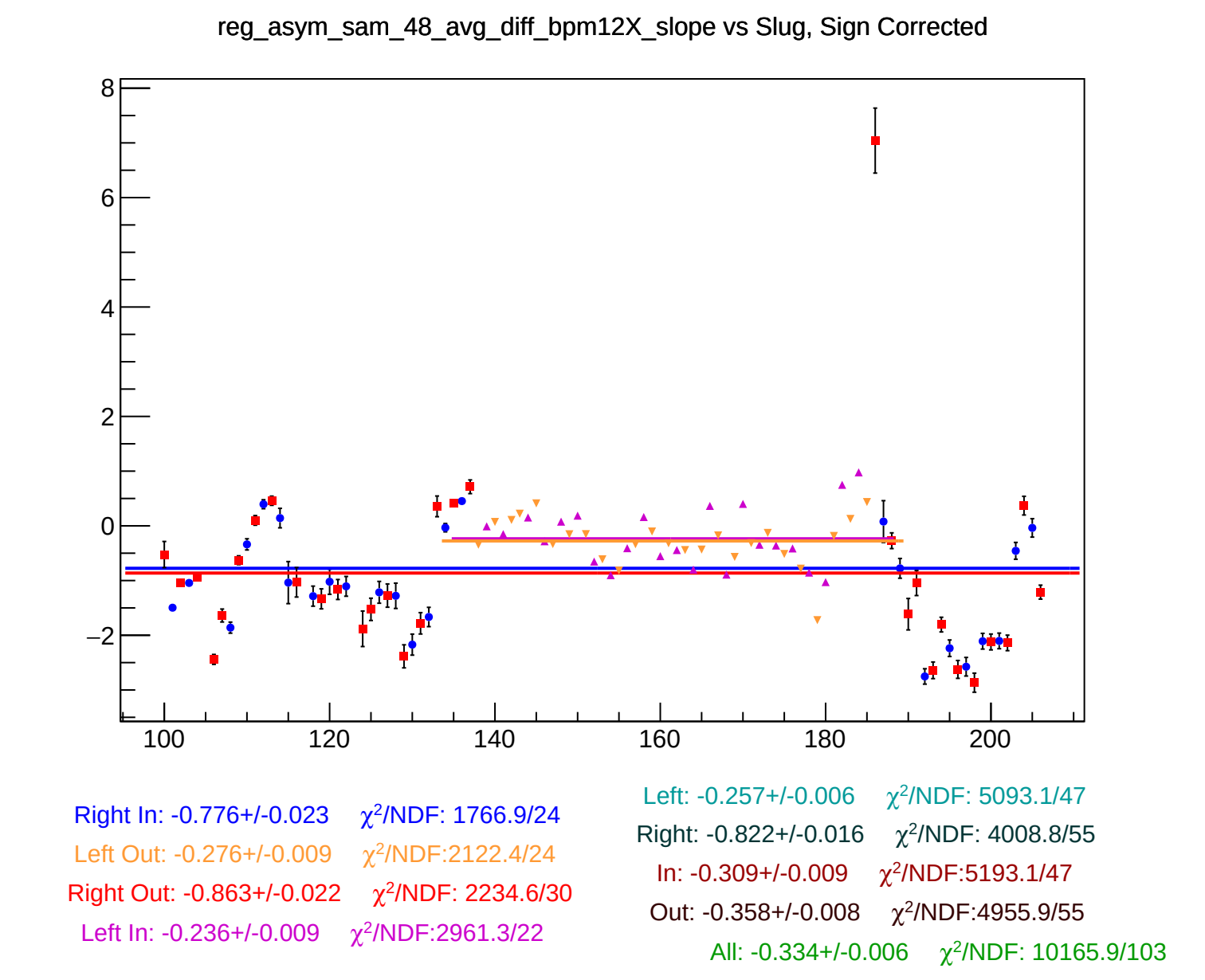
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

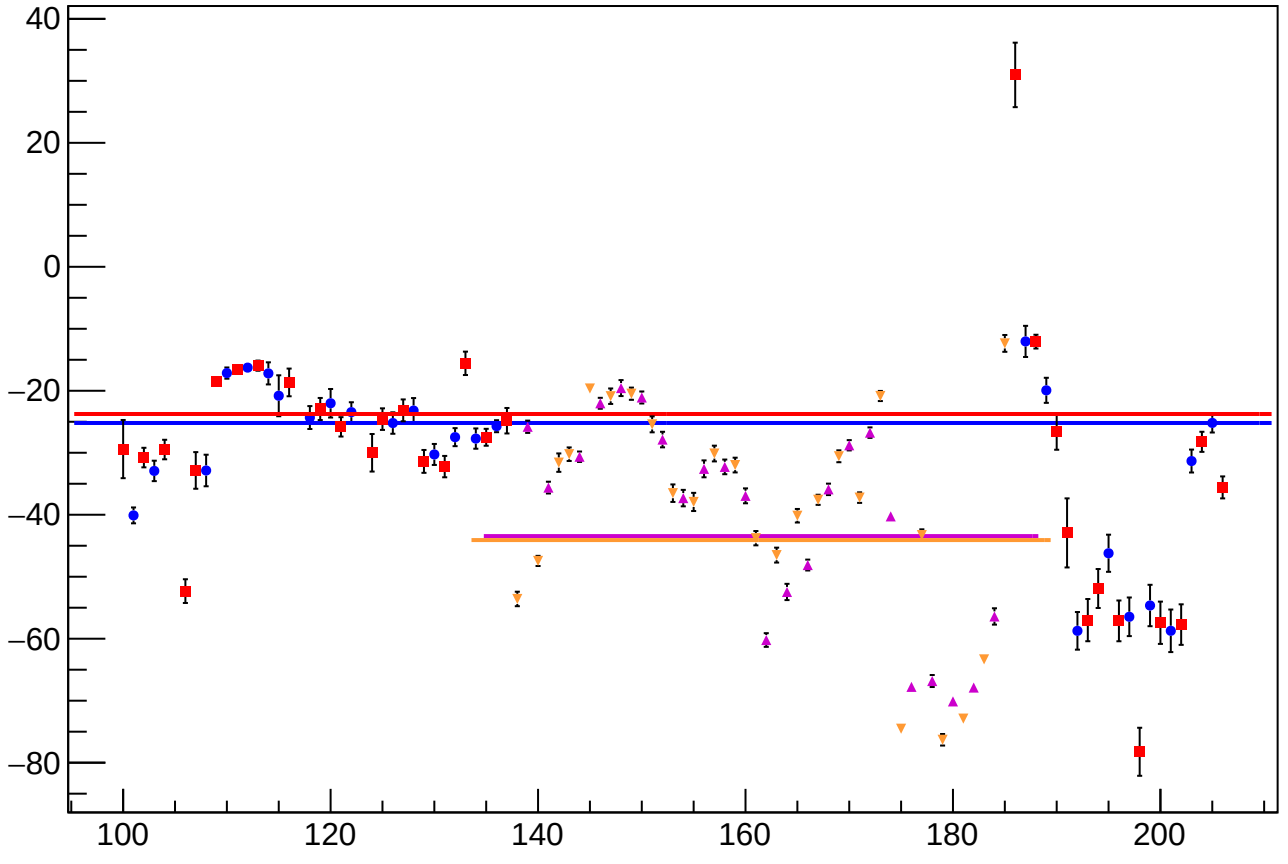
Right: 105.403+/-0.324 χ^2/NDF: 18444.1/55

In: 111.143+/-0.188 χ^2/NDF:14389.9/47

Out: 111.012+/-0.183 χ^2/NDF:16034.6/55

All: 111.075+/-0.131 χ^2/NDF: 30424.8/103


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: -0.776+/-0.023 χ²/NDF: 1766.9/24
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.863+/-0.022 χ²/NDF: 2234.6/30
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.822+/-0.016 χ²/NDF: 4008.8/55
In: -0.309+/-0.009 χ²/NDF:5193.1/47
Out: -0.358+/-0.008 χ²/NDF:4955.9/55
All: -0.334+/-0.006 χ²/NDF: 10165.9/103



Right In: -25.197+/-0.319 χ^2/NDF: 917.6/24

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.747+/-0.290 χ^2/NDF: 1538.0/30

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

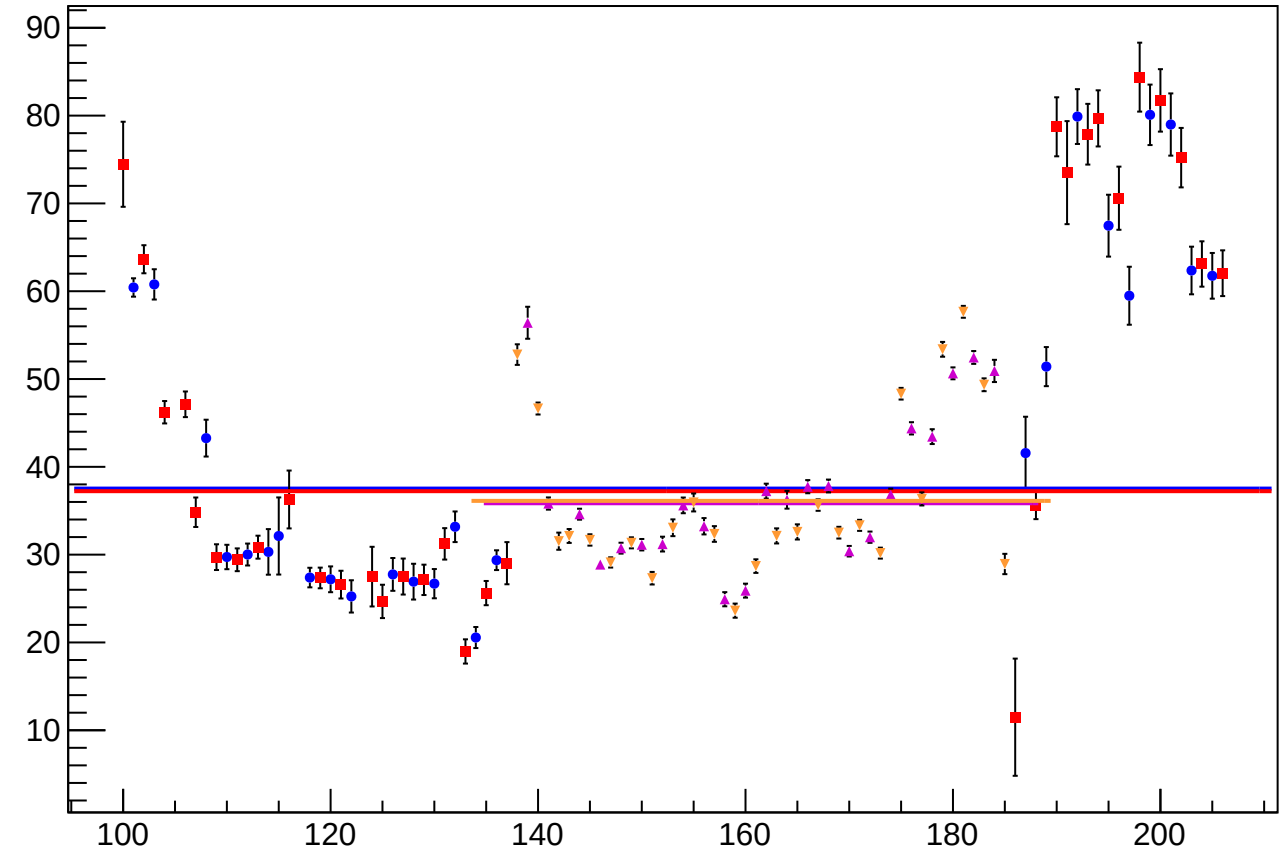
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.405+/-0.215 χ^2/NDF: 2467.0/55

In: -38.333+/-0.169 χ^2/NDF:11100.2/47

Out: -37.847+/-0.161 χ^2/NDF:15284.8/55

All: -38.078+/-0.116 χ^2/NDF: 26389.3/103



Right In: 37.523+/-0.352 χ^2/NDF: 2078.1/24

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.227+/-0.343 χ^2/NDF: 2234.3/30

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

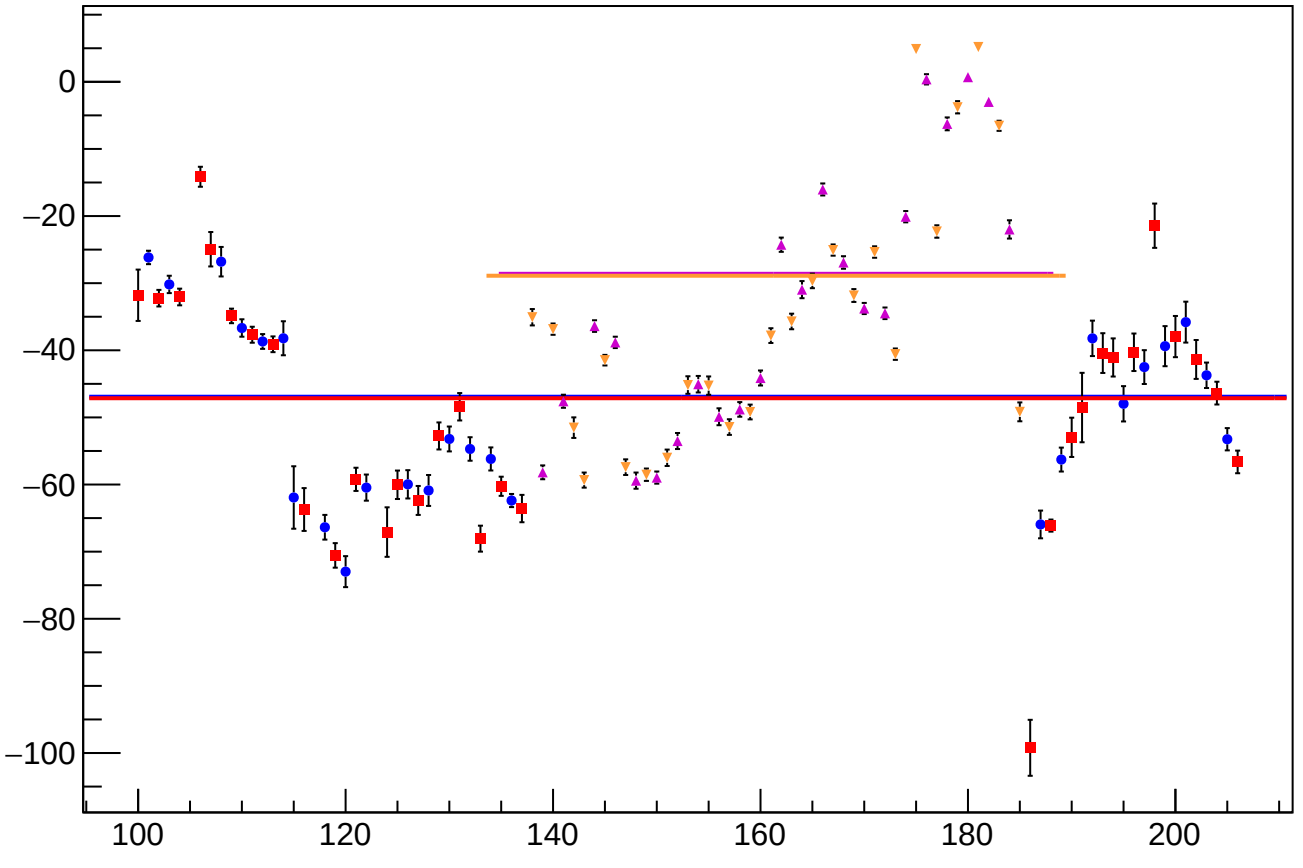
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 37.371+/-0.245 χ^2/NDF: 4312.7/55

In: 36.123+/-0.142 χ^2/NDF:4390.5/47

Out: 36.301+/-0.137 χ^2/NDF:5801.5/55

All: 36.215+/-0.099 χ^2/NDF: 10192.8/103



Right In: -46.918+/-0.344 χ^2/NDF: 1657.1/24

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.142+/-0.319 χ^2/NDF: 2470.9/30

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

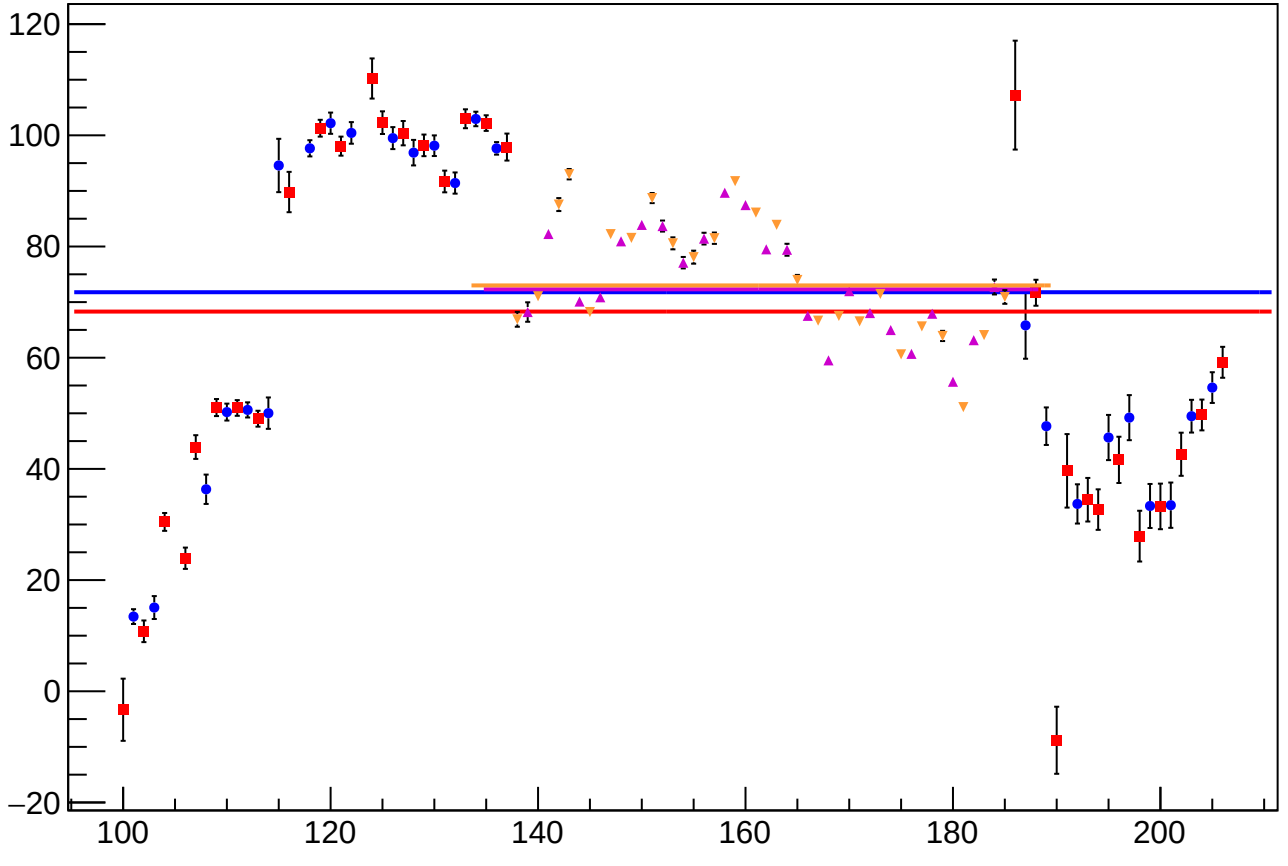
Right: -47.039+/-0.234 χ^2/NDF: 4128.2/55

In: -33.149+/-0.171 χ^2/NDF:13799.3/47

Out: -33.769+/-0.165 χ^2/NDF:16665.4/55

All: -33.471+/-0.119 χ^2/NDF: 30471.5/103

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.778+/-0.403 χ^2/NDF: 6405.9/24

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.297+/-0.395 χ^2/NDF: 6345.8/30

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

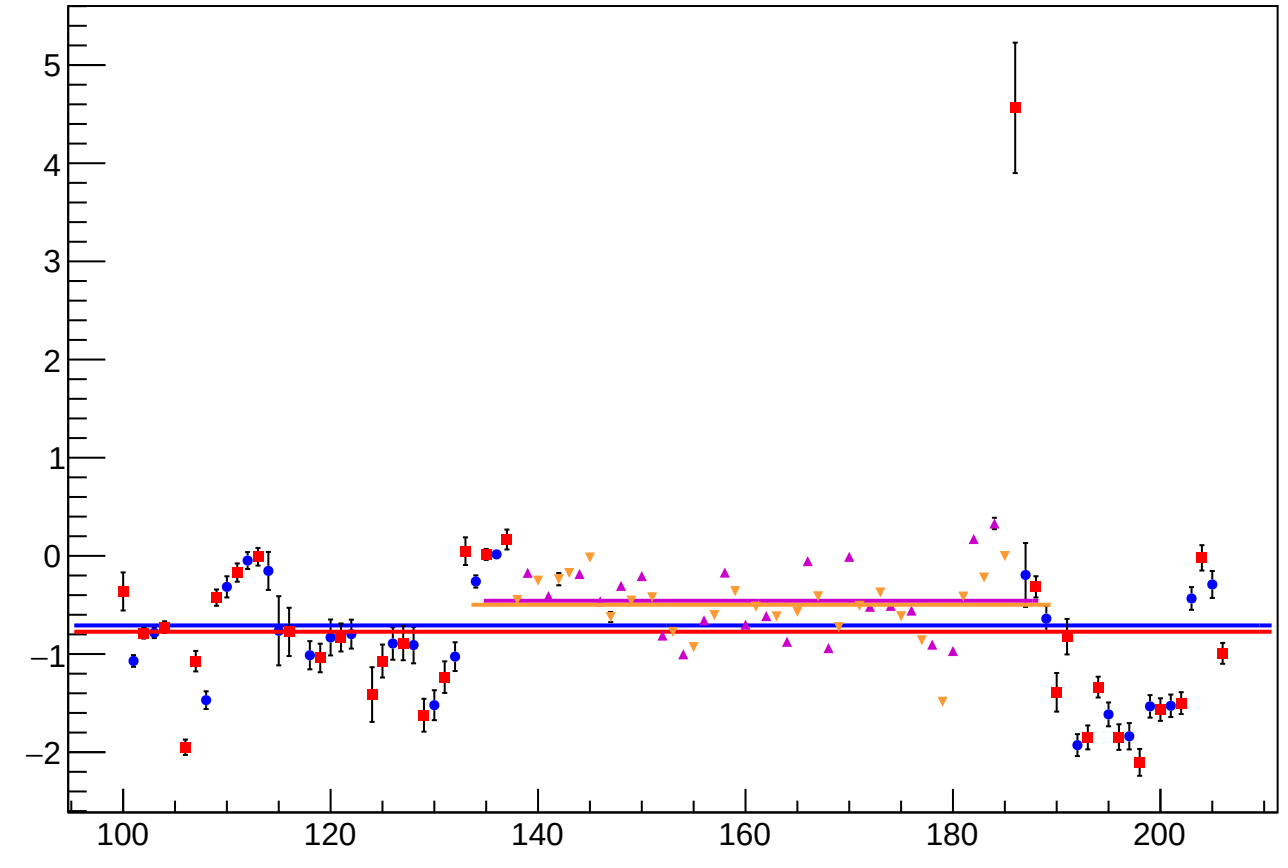
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.006+/-0.282 χ^2/NDF: 12789.7/55

In: 72.220+/-0.159 χ^2/NDF:9319.9/47

Out: 72.279+/-0.155 χ^2/NDF:10518.0/55

All: 72.251+/-0.111 χ^2/NDF: 19838.0/103



Right In: -0.709+/-0.020 χ^2/NDF: 902.0/24

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.773+/-0.019 χ^2/NDF: 1228.6/30

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

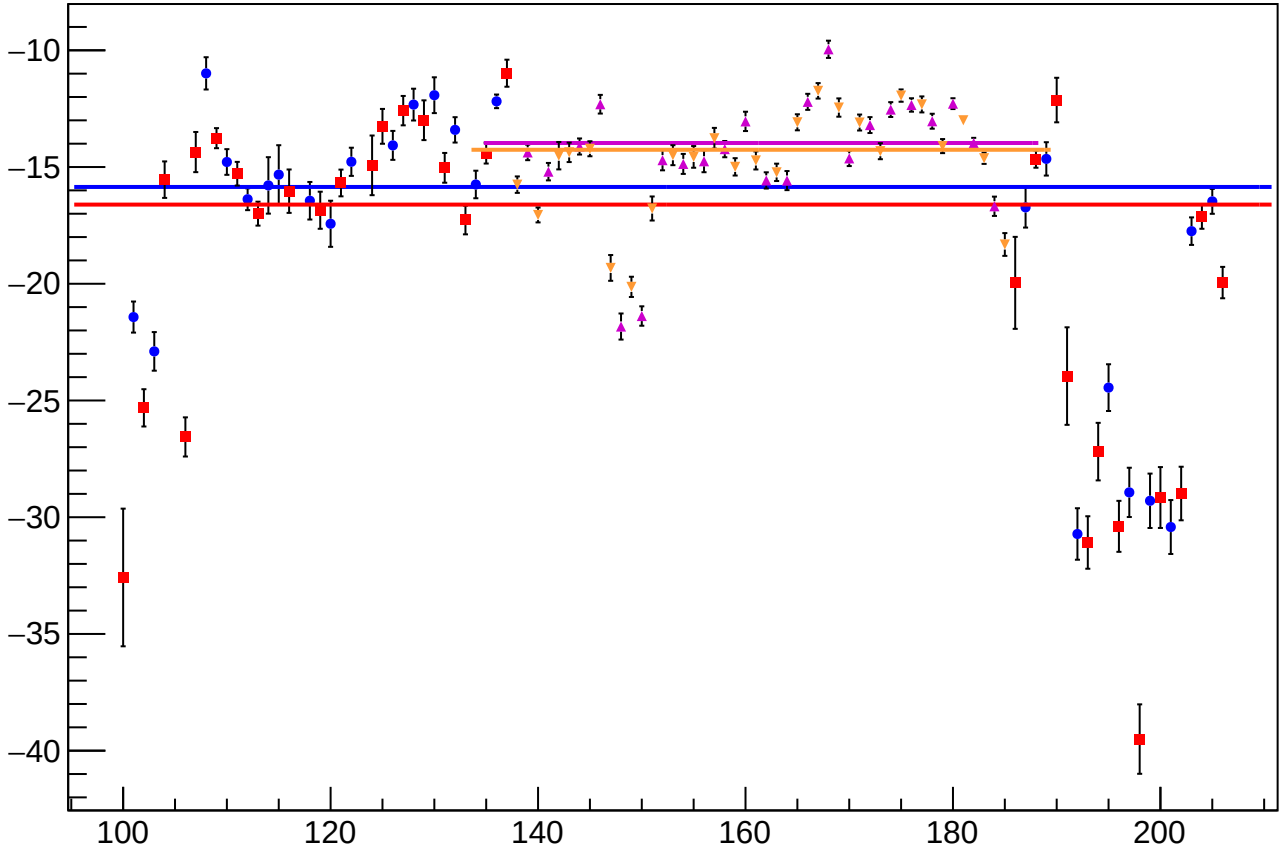
Right: -0.742+/-0.014 χ^2/NDF: 2136.0/55

In: -0.491+/-0.007 χ^2/NDF:3146.2/47

Out: -0.535+/-0.007 χ^2/NDF:2891.0/55

All: -0.513+/-0.005 χ^2/NDF: 6057.0/103

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.853+/-0.131 χ^2/NDF: 1160.1/24

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.609+/-0.126 χ^2/NDF: 1494.7/30

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

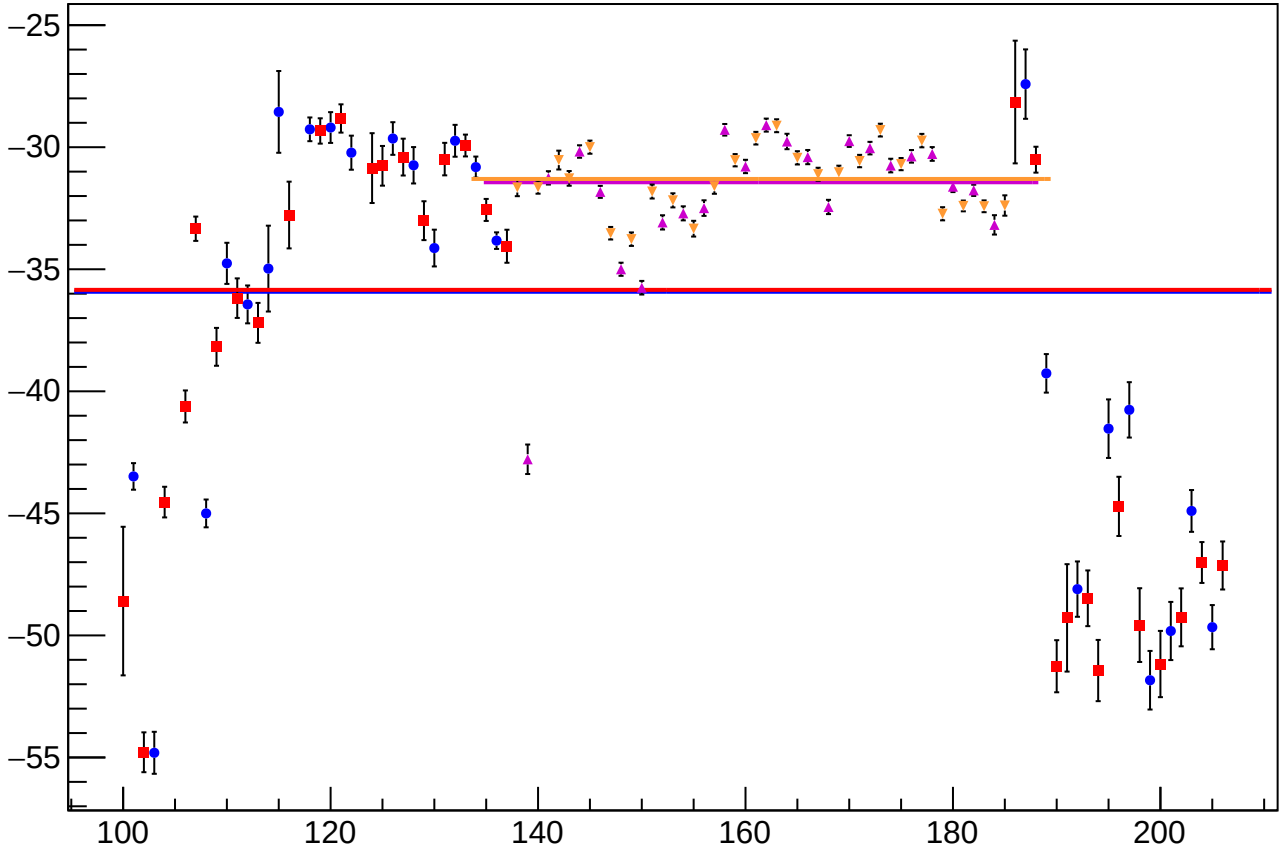
Right: -16.246+/-0.091 χ^2/NDF: 2672.2/55

In: -14.408+/-0.063 χ^2/NDF:2227.5/47

Out: -14.813+/-0.061 χ^2/NDF:2485.7/55

All: -14.617+/-0.044 χ^2/NDF: 4734.5/103

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -35.922+/-0.140 χ^2/NDF: 2591.1/24

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.844+/-0.137 χ^2/NDF: 2897.1/30

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

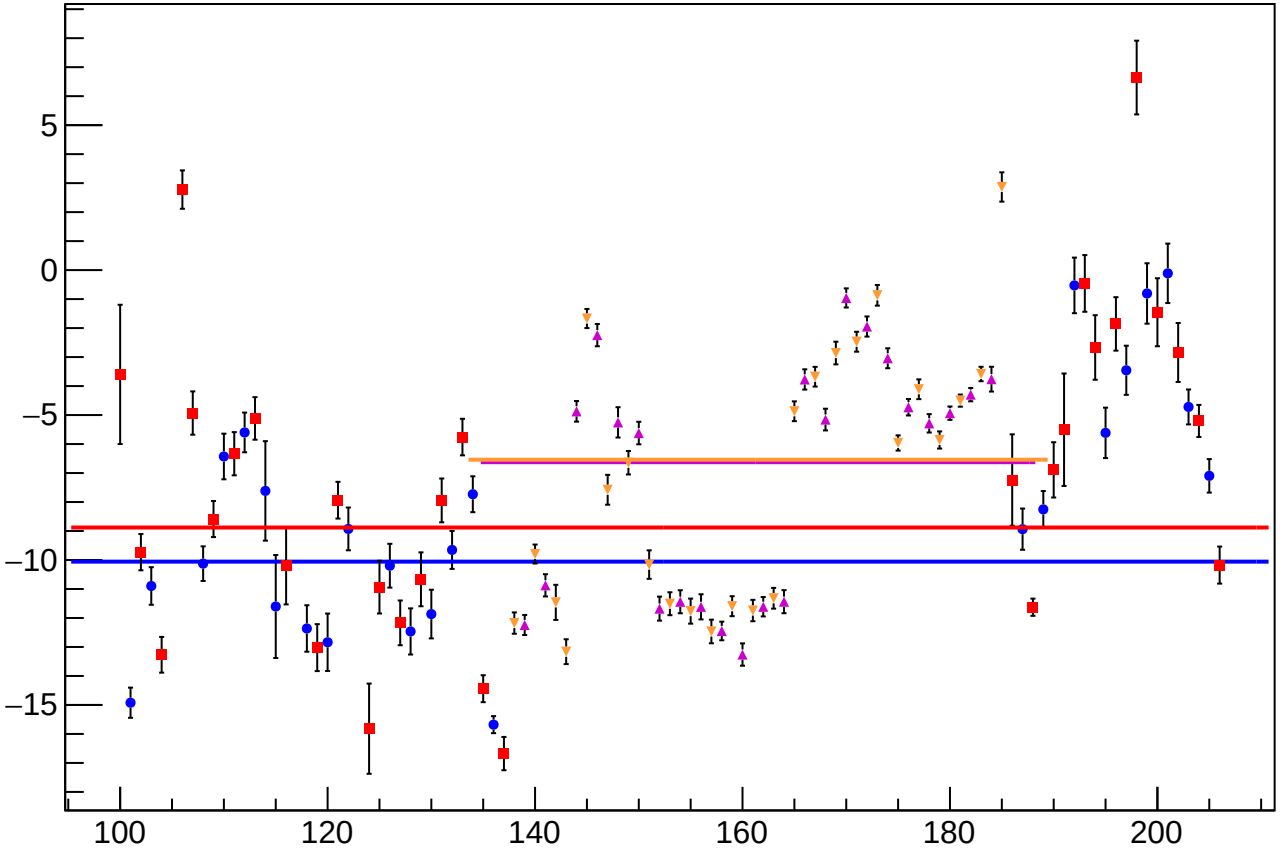
Right: -35.882+/-0.098 χ^2/NDF: 5488.4/55

In: -32.078+/-0.053 χ^2/NDF:4683.4/47

Out: -31.934+/-0.051 χ^2/NDF:4394.0/55

All: -32.004+/-0.037 χ^2/NDF: 9081.2/103

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -10.056+/-0.135 χ^2/NDF: 1043.0/24

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -8.879+/-0.128 χ^2/NDF: 1393.2/30

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

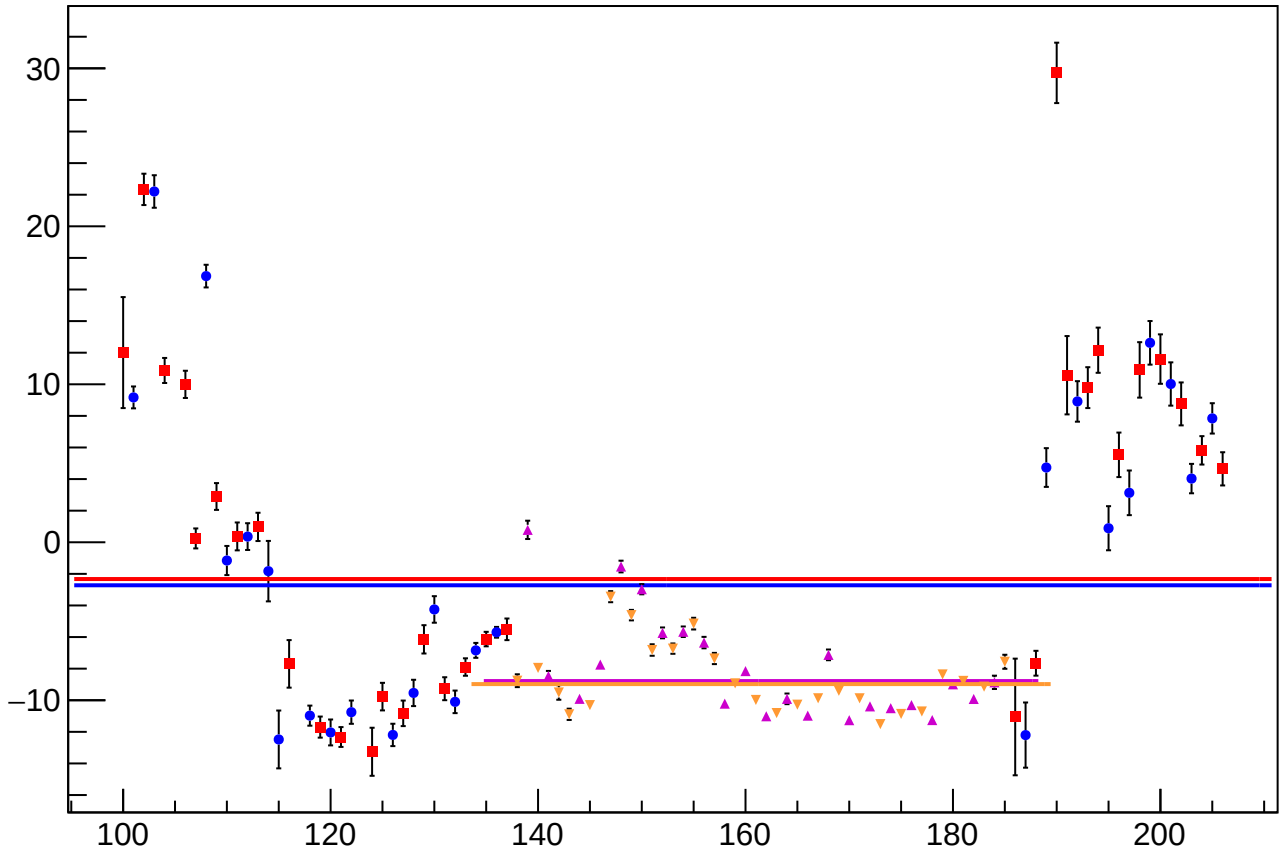
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.438+/-0.093 χ^2/NDF: 2476.2/55

In: -7.376+/-0.063 χ^2/NDF:4456.0/47

Out: -7.071+/-0.061 χ^2/NDF:4892.8/55

All: -7.219+/-0.044 χ^2/NDF: 9360.8/103



Right In: -2.723+/-0.159 χ^2/NDF: 3143.3/24

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.327+/-0.159 χ^2/NDF: 3104.3/30

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

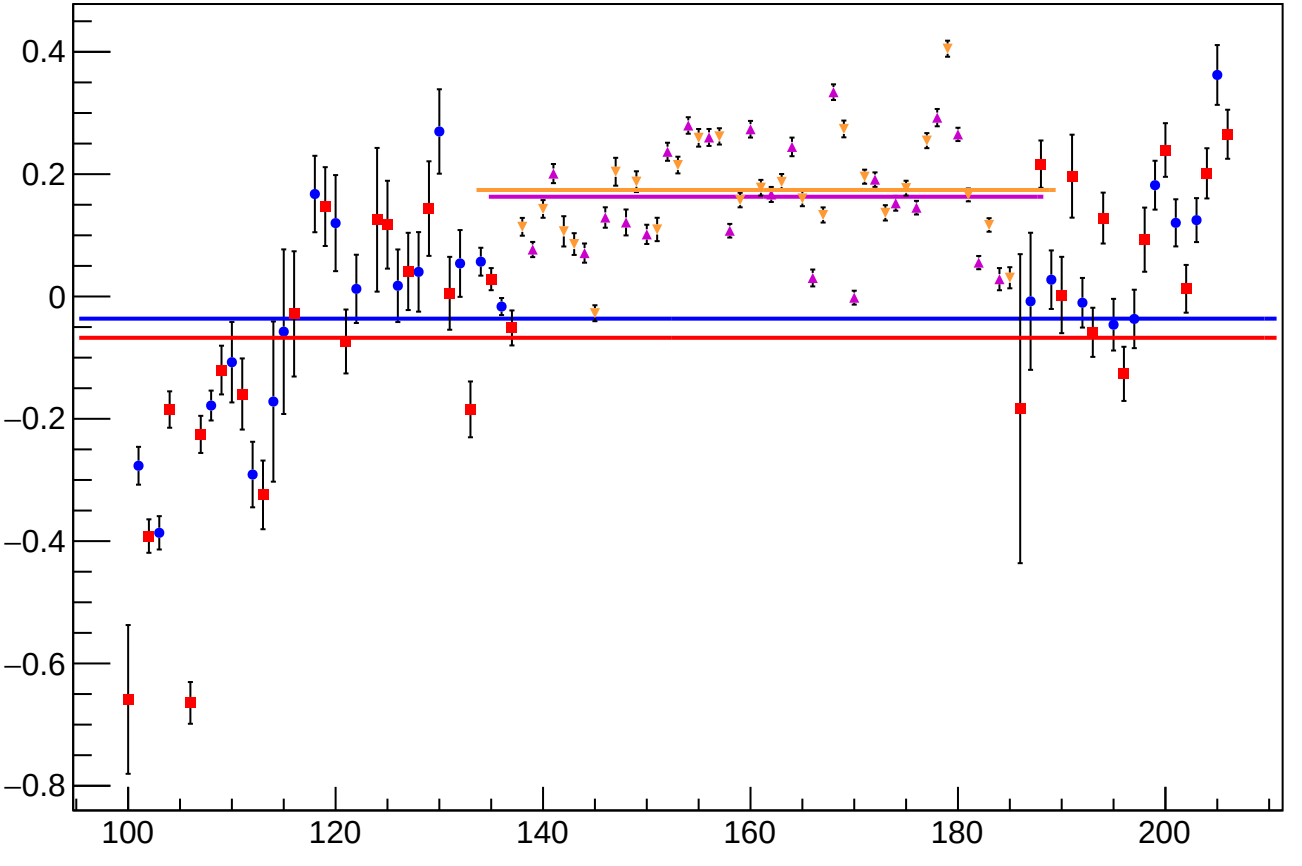
Right: -2.526+/-0.112 χ^2/NDF: 6250.6/55

In: -7.952+/-0.059 χ^2/NDF:6084.9/47

Out: -8.116+/-0.057 χ^2/NDF:5593.1/55

All: -8.036+/-0.041 χ^2/NDF: 11682.1/103

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.036+/-0.007 χ^2/NDF: 478.2/24

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.068+/-0.008 χ^2/NDF: 874.2/30

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

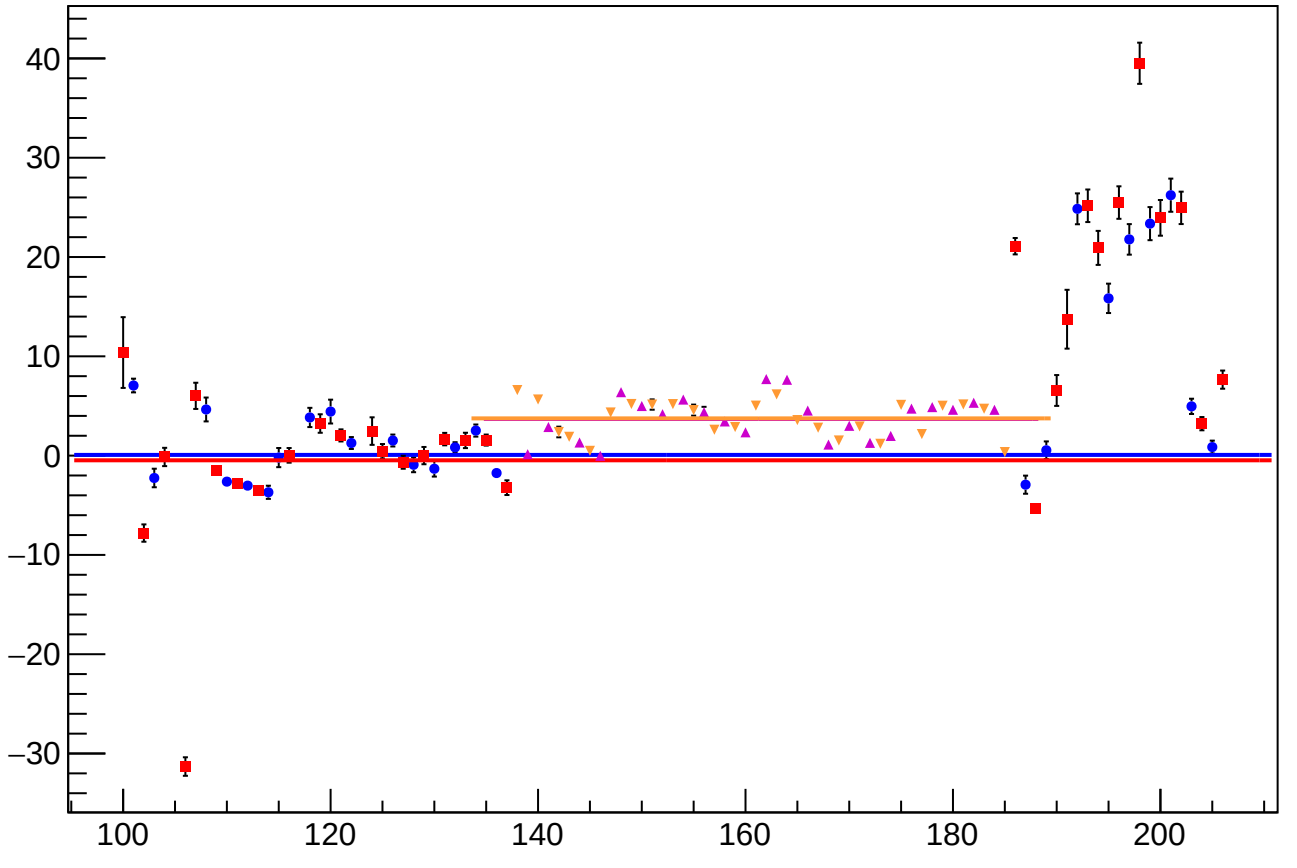
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.052+/-0.005 χ^2/NDF: 1361.2/55

In: 0.139+/-0.003 χ^2/NDF:2308.6/47

Out: 0.146+/-0.003 χ^2/NDF:2714.1/55

All: 0.142+/-0.002 χ^2/NDF: 5026.9/103



Right In: 0.072+/-0.127 χ^2/NDF: 1490.4/24

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.472+/-0.118 χ^2/NDF: 3841.0/30

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

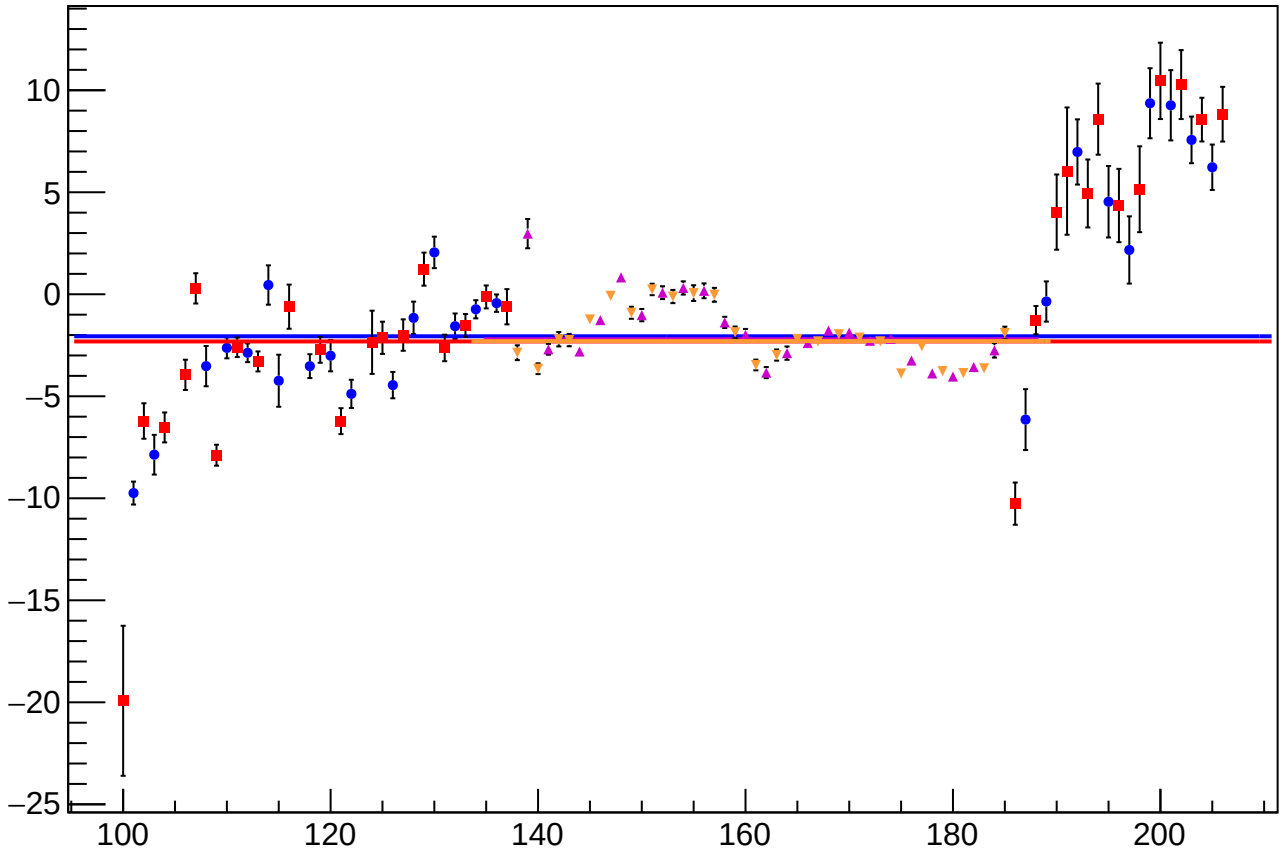
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.221+/-0.086 χ^2/NDF: 5341.3/55

In: 2.956+/-0.057 χ^2/NDF:3091.6/47

Out: 2.833+/-0.055 χ^2/NDF:5659.4/55

All: 2.892+/-0.040 χ^2/NDF: 8753.5/103



Right In: -2.060+/-0.148 χ^2/NDF: 607.5/24

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.313+/-0.146 χ^2/NDF: 735.3/30

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

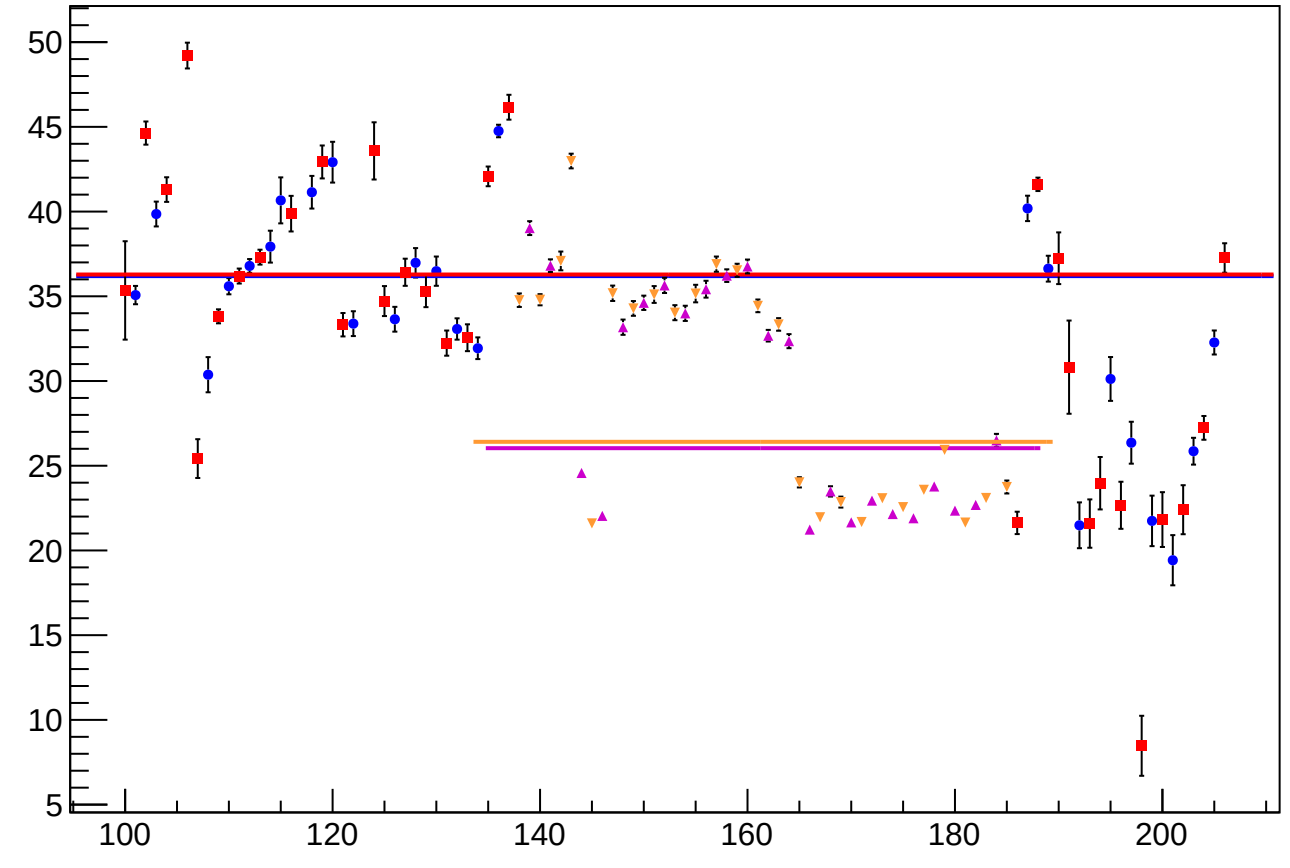
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.188+/-0.104 χ^2/NDF: 1344.3/55

In: -2.189+/-0.048 χ^2/NDF:1333.0/47

Out: -2.296+/-0.047 χ^2/NDF:1366.8/55

All: -2.244+/-0.034 χ^2/NDF: 2702.4/103



Right In: 36.191+/-0.144 χ^2/NDF: 1423.8/24

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.285+/-0.135 χ^2/NDF: 2578.8/30

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

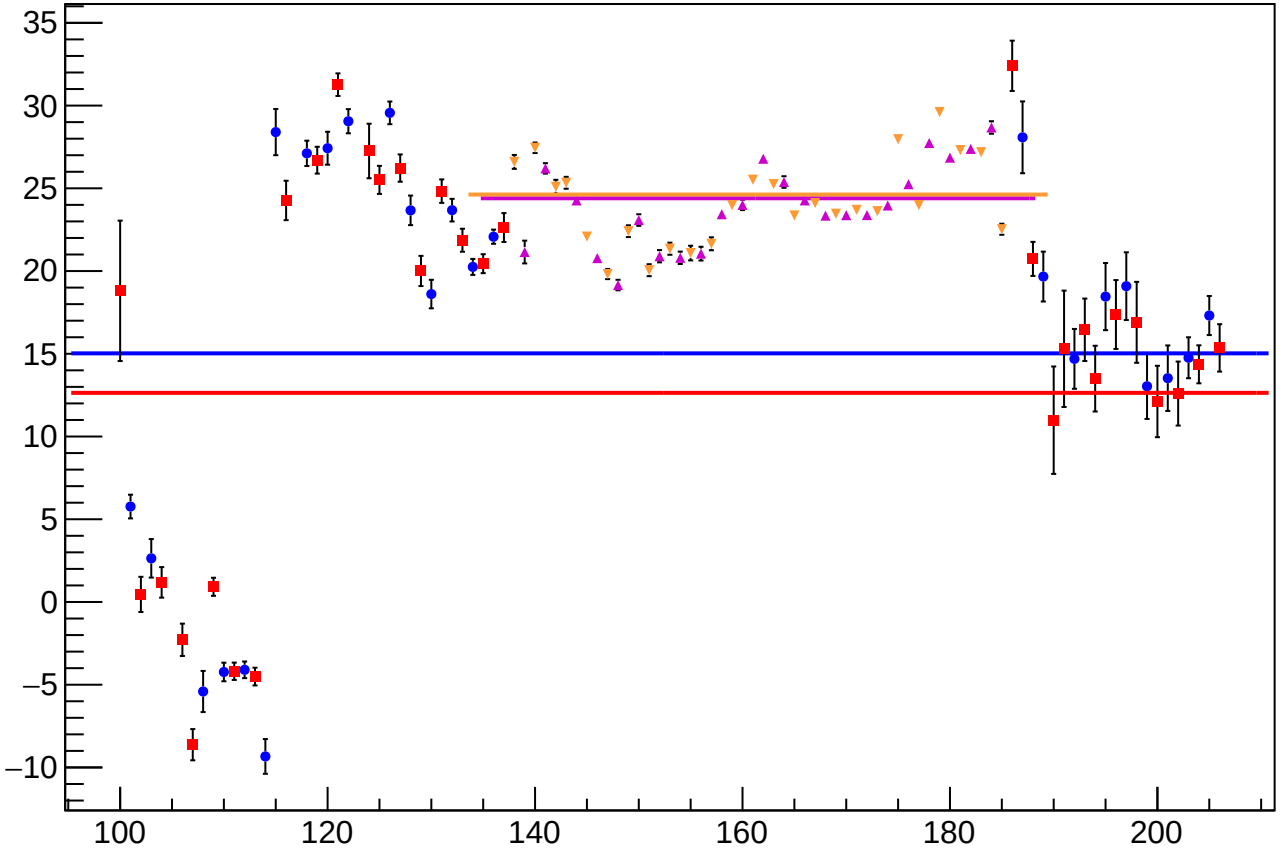
Right: 36.241+/-0.099 χ^2/NDF: 4002.8/55

In: 27.714+/-0.058 χ^2/NDF:13442.5/47

Out: 28.135+/-0.057 χ^2/NDF:16190.8/55

All: 27.931+/-0.041 χ^2/NDF: 29660.2/103

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.026+/-0.166 χ^2/NDF: 5745.8/24

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.639+/-0.166 χ^2/NDF: 6370.7/30

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

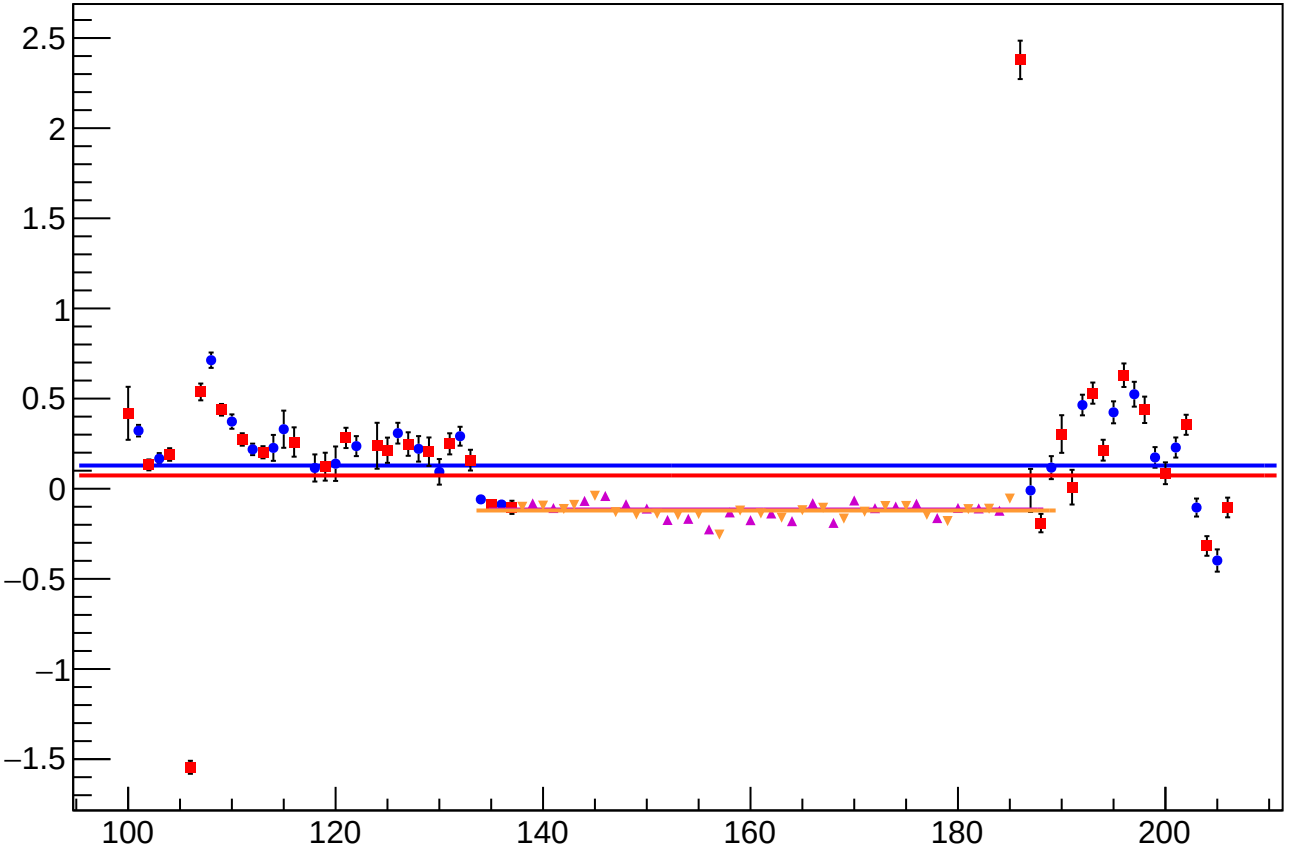
Right: 13.836+/-0.117 χ^2/NDF: 12219.9/55

In: 23.423+/-0.053 χ^2/NDF:10325.5/47

Out: 23.435+/-0.052 χ^2/NDF:13005.1/55

All: 23.429+/-0.037 χ^2/NDF: 23330.5/103

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.129+/-0.009 χ^2/NDF: 710.9/24

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.074+/-0.009 χ^2/NDF: 3181.5/30

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

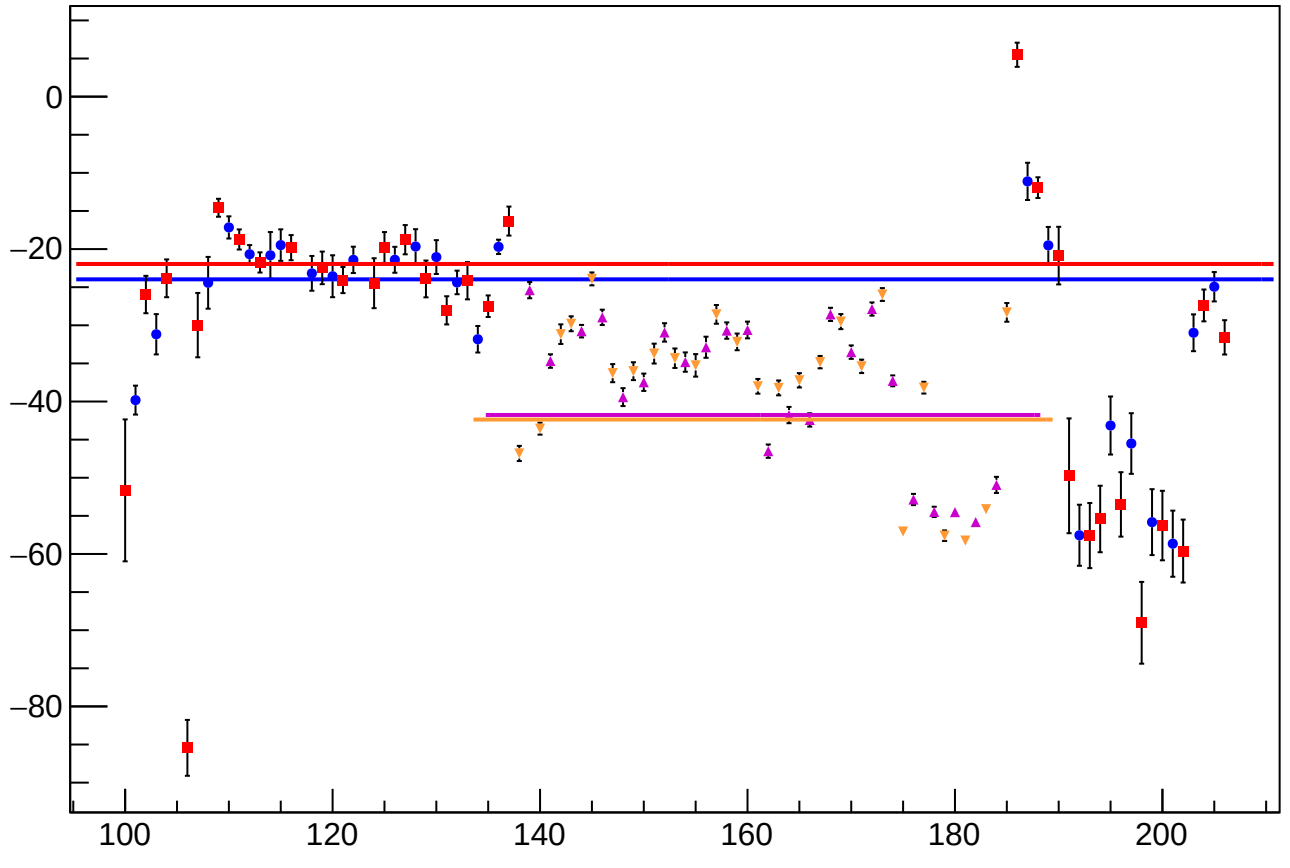
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.101+/-0.006 χ^2/NDF: 3913.0/55

In: -0.096+/-0.002 χ^2/NDF:1751.6/47

Out: -0.106+/-0.002 χ^2/NDF:3913.3/55

All: -0.101+/-0.002 χ^2/NDF: 5674.2/103



Right In: -23.971+/-0.396 χ^2/NDF: 446.3/24

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.953+/-0.377 χ^2/NDF: 1199.9/30

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

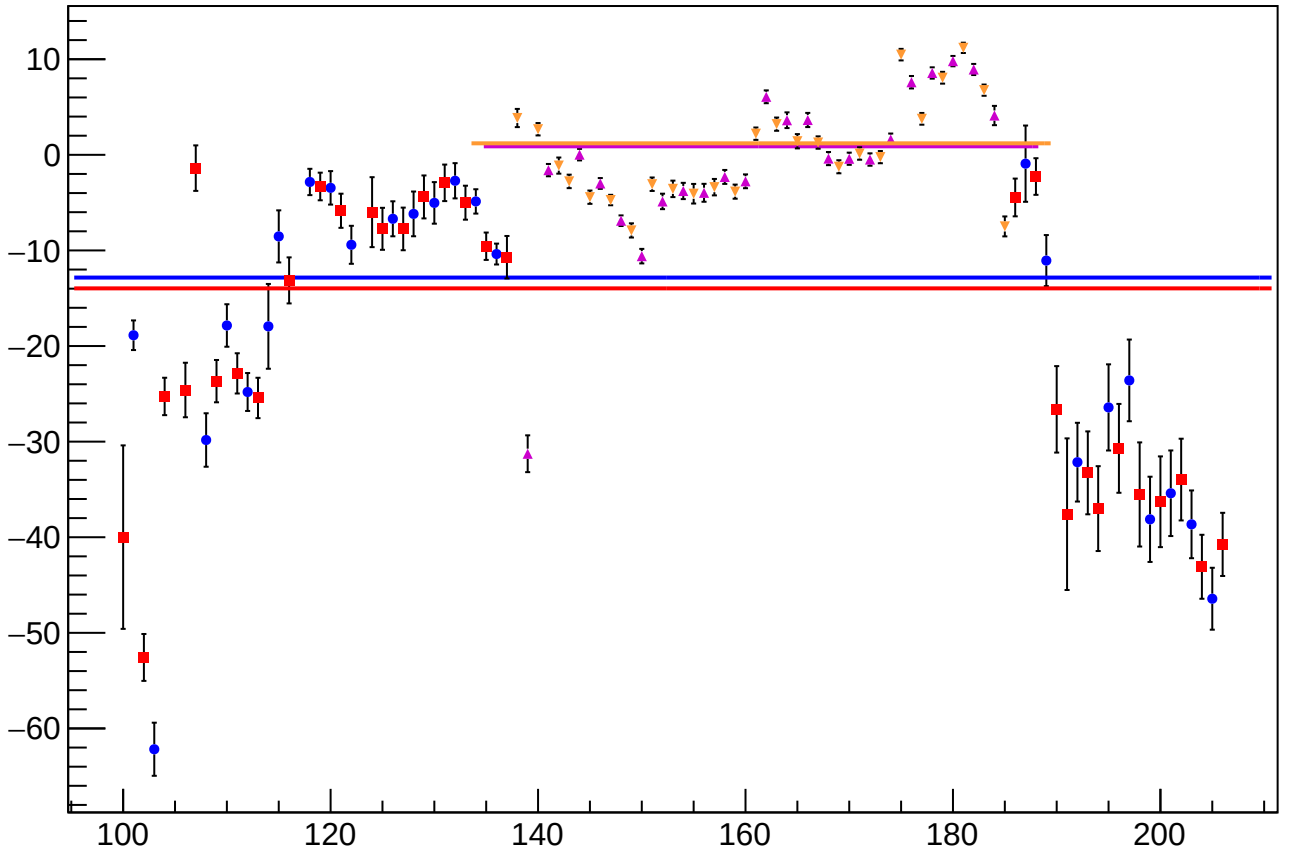
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.912+/-0.273 χ^2/NDF: 1659.8/55

In: -38.669+/-0.165 χ^2/NDF:5573.3/47

Out: -38.739+/-0.159 χ^2/NDF:8088.9/55

All: -38.705+/-0.114 χ^2/NDF: 13662.3/103



Right In: -12.839+/-0.426 χ^2/NDF: 869.2/24

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -13.969+/-0.431 χ^2/NDF: 919.3/30

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

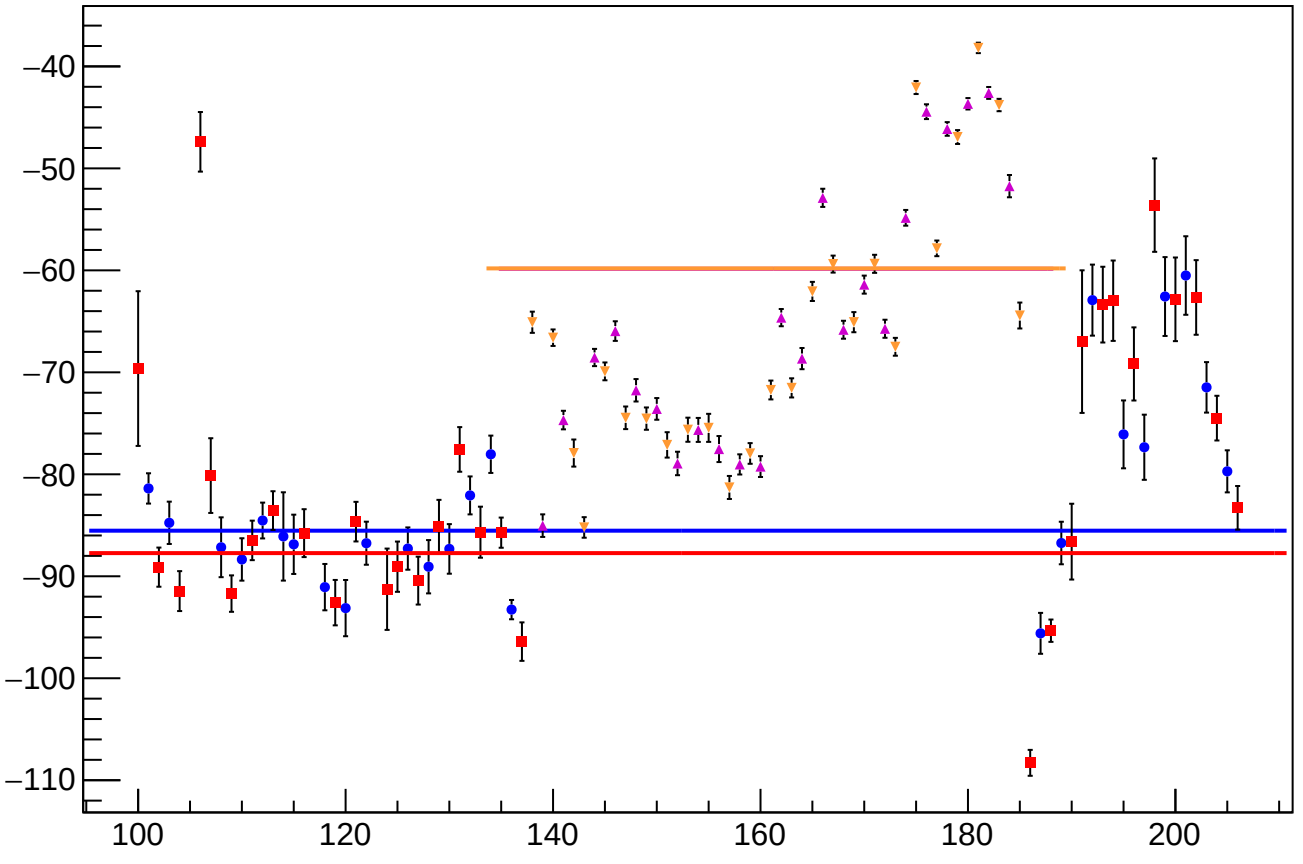
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -13.398+/-0.303 χ^2/NDF: 1791.9/55

In: -0.499+/-0.136 χ^2/NDF:3565.9/47

Out: -0.209+/-0.132 χ^2/NDF:3505.7/55

All: -0.350+/-0.094 χ^2/NDF: 7074.0/103



Right In: -85.530+/-0.422 χ^2/NDF: 314.6/24

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.728+/-0.399 χ^2/NDF: 879.9/30

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

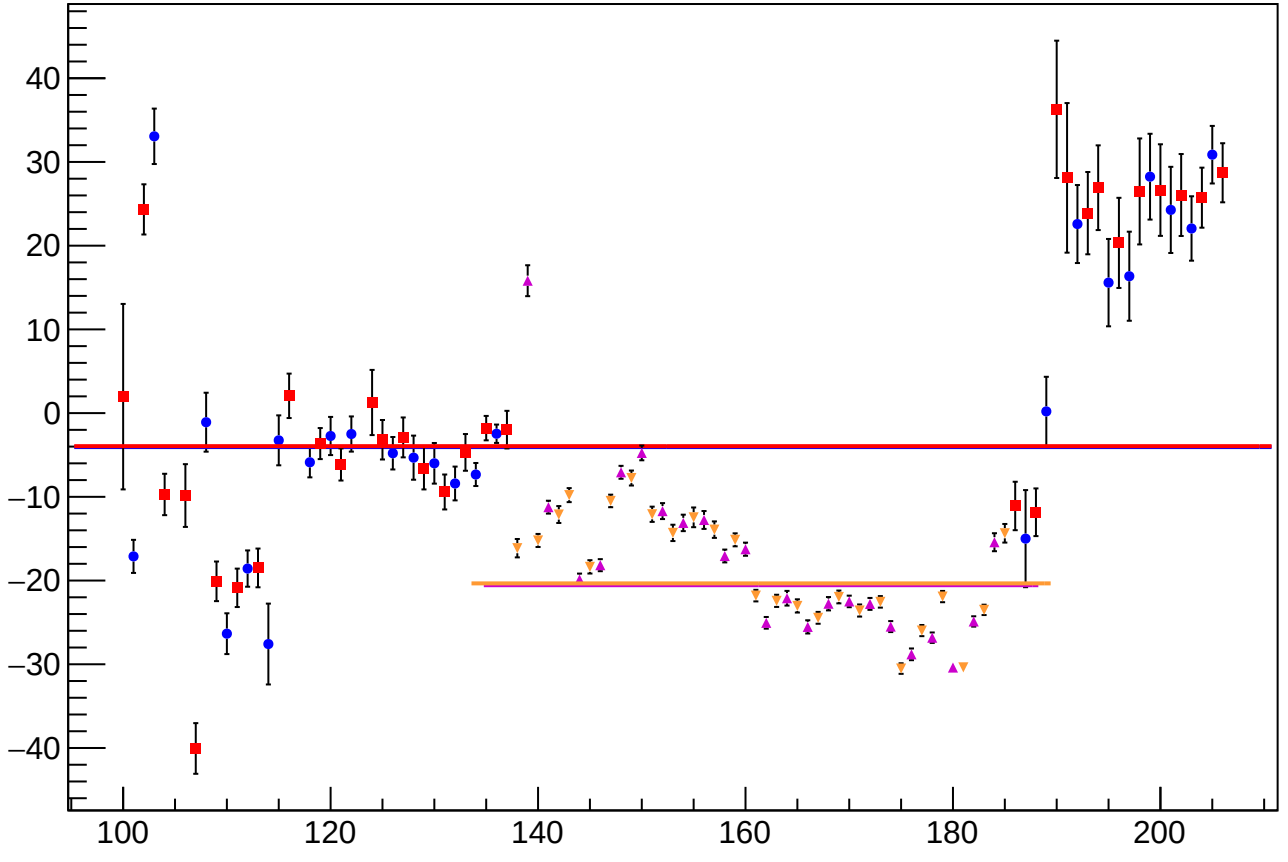
Right: -86.690+/-0.290 χ^2/NDF: 1208.8/55

In: -63.837+/-0.166 χ^2/NDF:8975.1/47

Out: -64.323+/-0.161 χ^2/NDF:11625.8/55

All: -64.089+/-0.116 χ^2/NDF: 20605.3/103

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.056+/-0.482 χ^2/NDF: 623.2/24

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.947+/-0.497 χ^2/NDF: 786.1/30

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

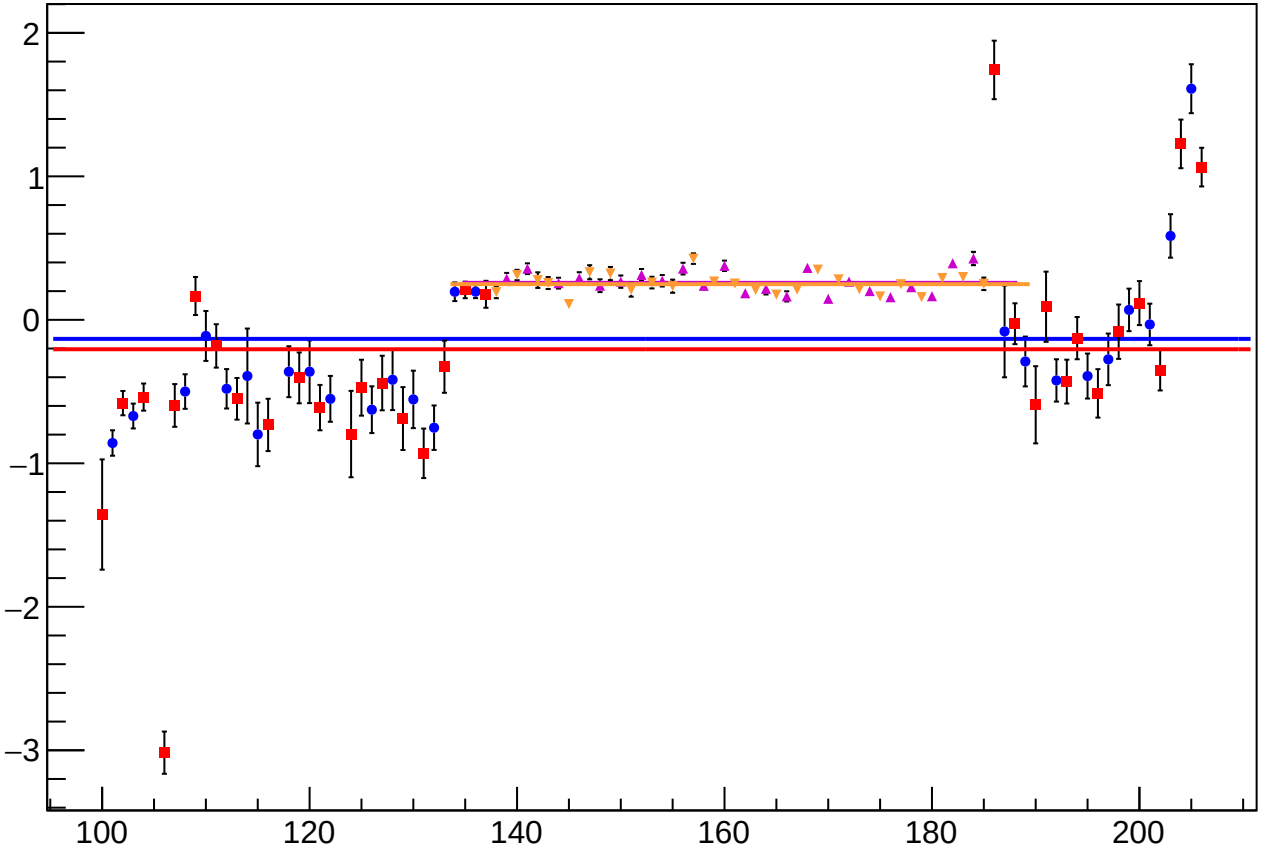
Right: -4.003+/-0.346 χ^2/NDF: 1409.3/55

In: -18.923+/-0.151 χ^2/NDF:3874.5/47

Out: -18.892+/-0.148 χ^2/NDF:3479.6/55

All: -18.907+/-0.106 χ^2/NDF: 7354.2/103

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.133+/-0.024 χ^2/NDF: 388.4/24

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.205+/-0.025 χ^2/NDF: 808.8/30

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

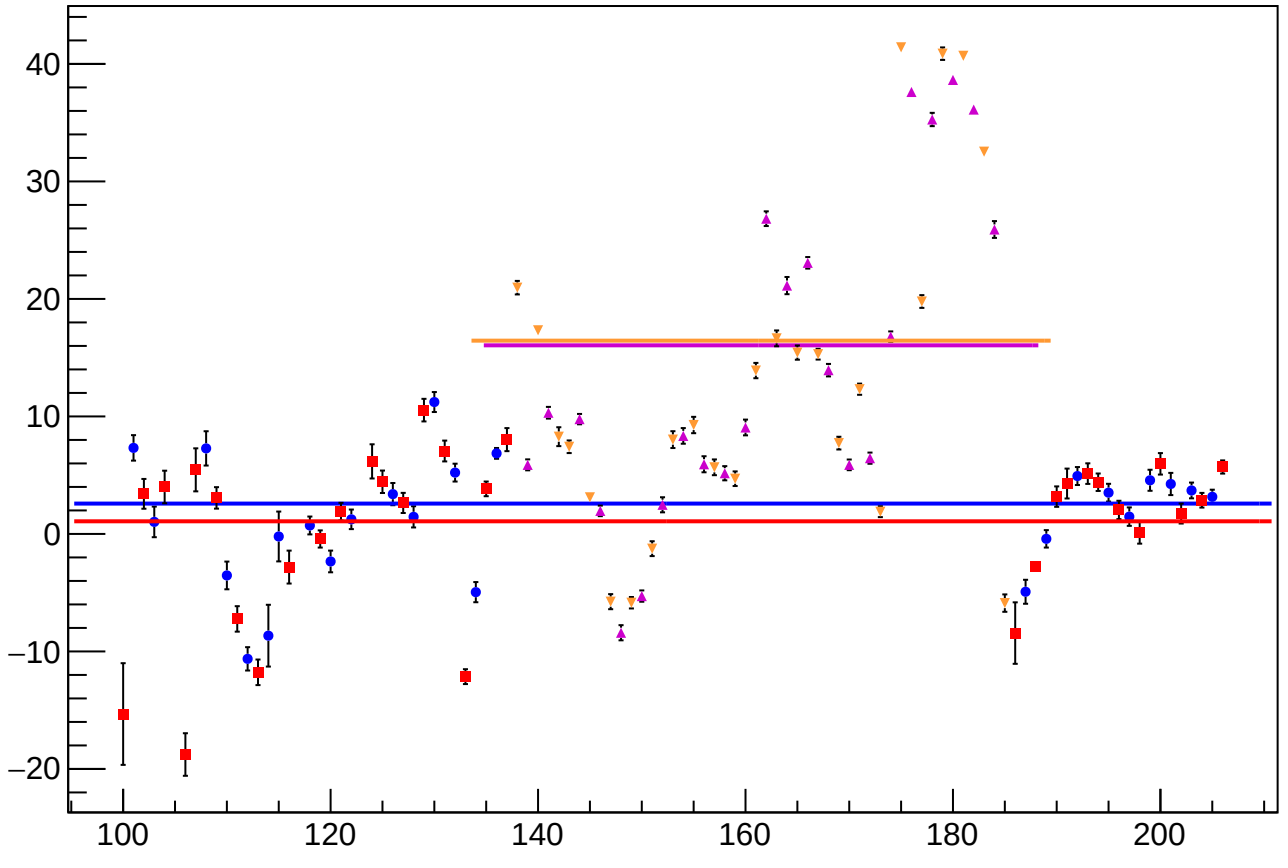
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.167+/-0.017 χ^2/NDF: 1201.5/55

In: 0.226+/-0.007 χ^2/NDF:764.7/47

Out: 0.216+/-0.007 χ^2/NDF:1208.1/55

All: 0.221+/-0.005 χ^2/NDF: 1973.9/103



Right In: 2.583+/-0.169 χ^2/NDF: 668.2/24

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.075+/-0.151 χ^2/NDF: 1319.0/30

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

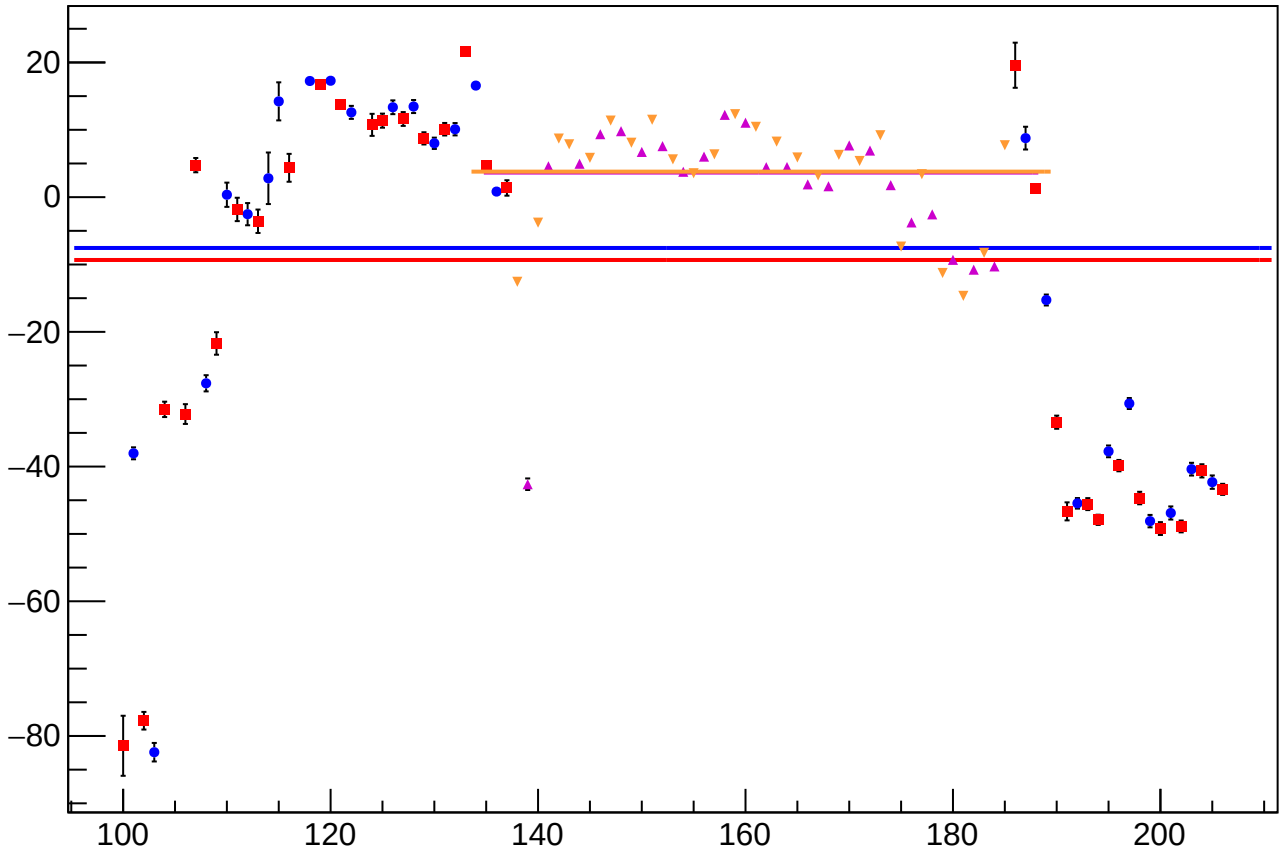
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.747+/-0.113 χ^2/NDF: 2031.5/55

In: 12.177+/-0.091 χ^2/NDF:22830.5/47

Out: 11.516+/-0.086 χ^2/NDF:29729.4/55

All: 11.829+/-0.062 χ^2/NDF: 52587.9/103



Right In: -7.544+/-0.173 χ^2/NDF: 23455.7/24

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -9.327+/-0.161 χ^2/NDF: 30173.8/30

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

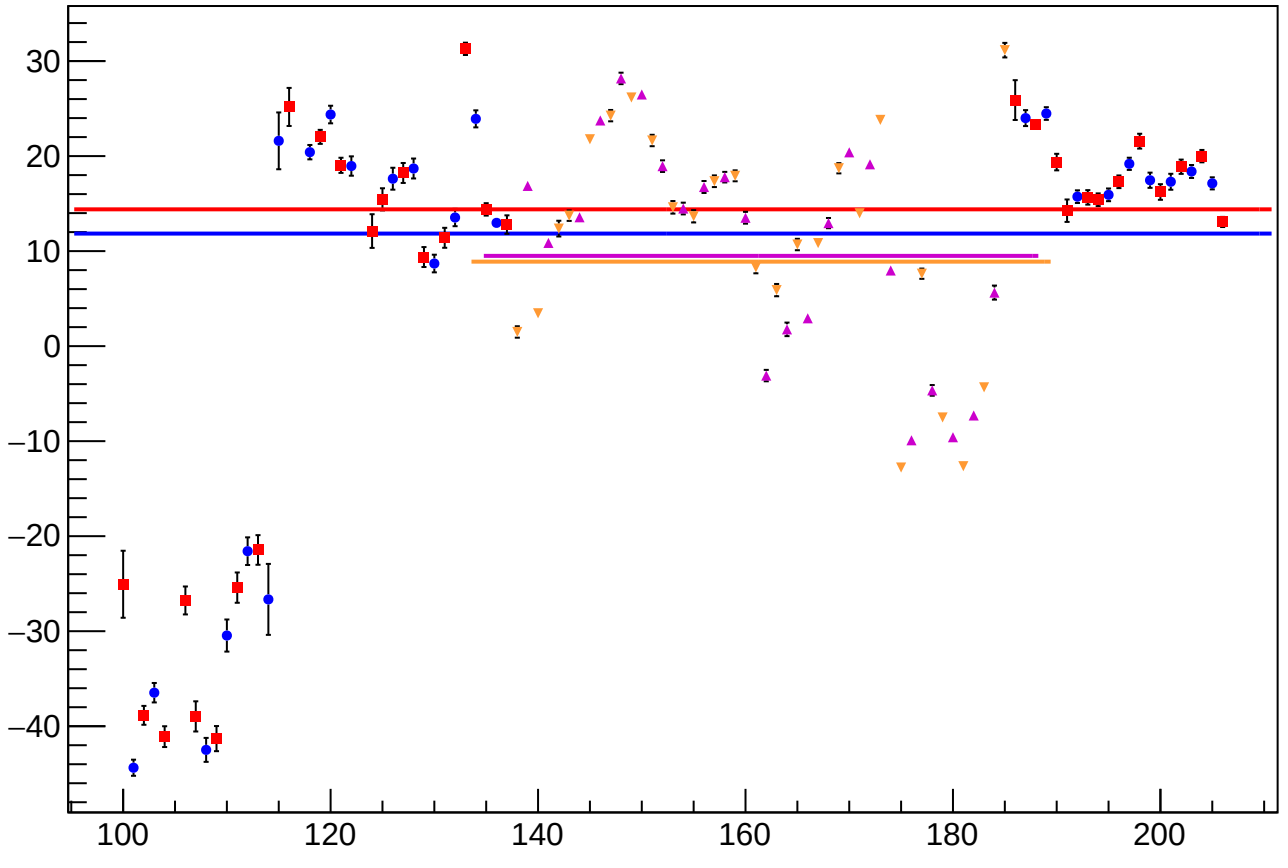
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -8.498+/-0.118 χ^2/NDF: 53686.3/55

In: 1.558+/-0.075 χ^2/NDF:35166.3/47

Out: 1.195+/-0.072 χ^2/NDF:44581.2/55

All: 1.369+/-0.052 χ^2/NDF: 79759.7/103



Right In: 11.845+/-0.167 χ^2/NDF: 11403.0/24

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.397+/-0.145 χ^2/NDF: 12463.0/30

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

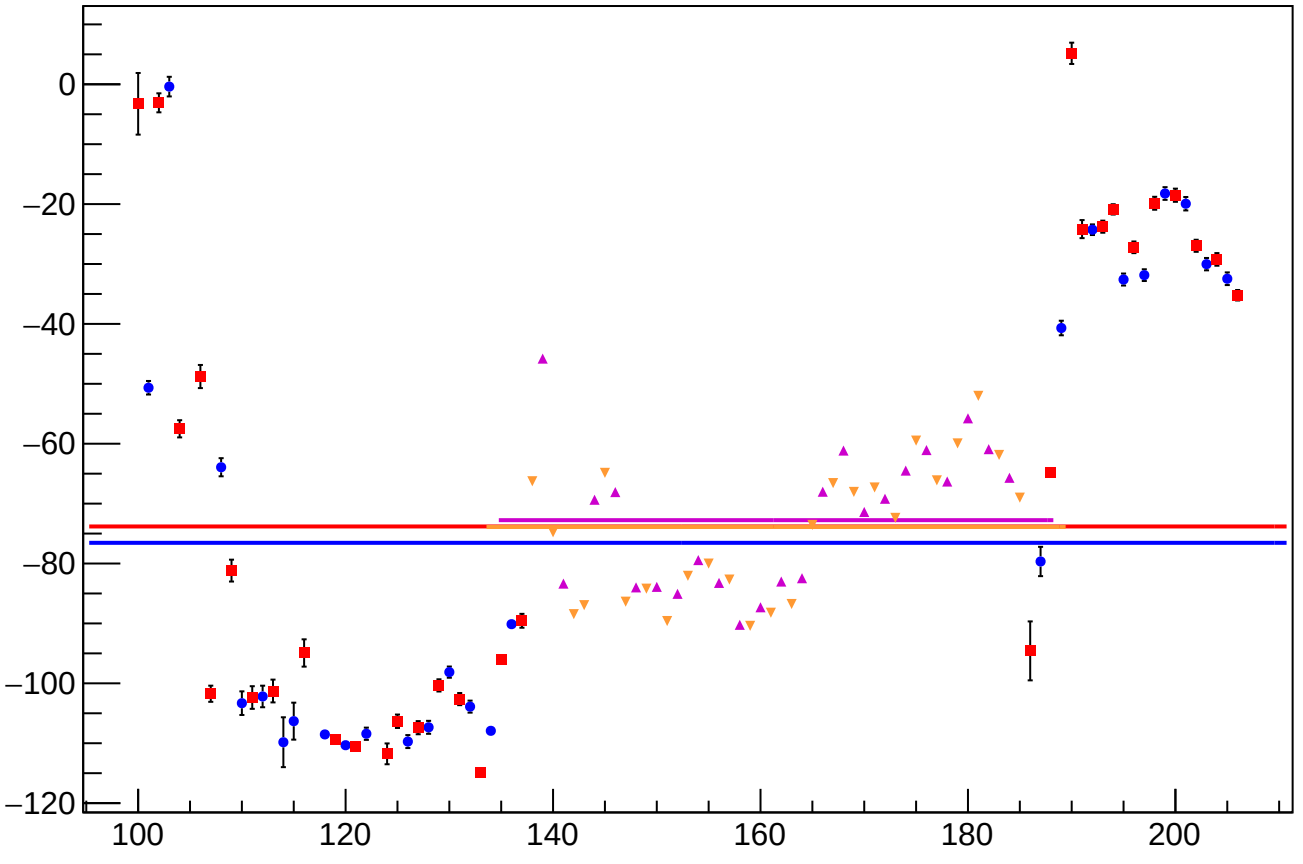
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.296+/-0.110 χ^2/NDF: 23999.0/55

In: 10.180+/-0.090 χ^2/NDF:24584.4/47

Out: 10.750+/-0.084 χ^2/NDF:28841.8/55

All: 10.482+/-0.062 χ^2/NDF: 53447.7/103



Right In: -76.545+/-0.201 χ^2/NDF: 32392.1/24

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -73.814+/-0.189 χ^2/NDF: 41942.2/30

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

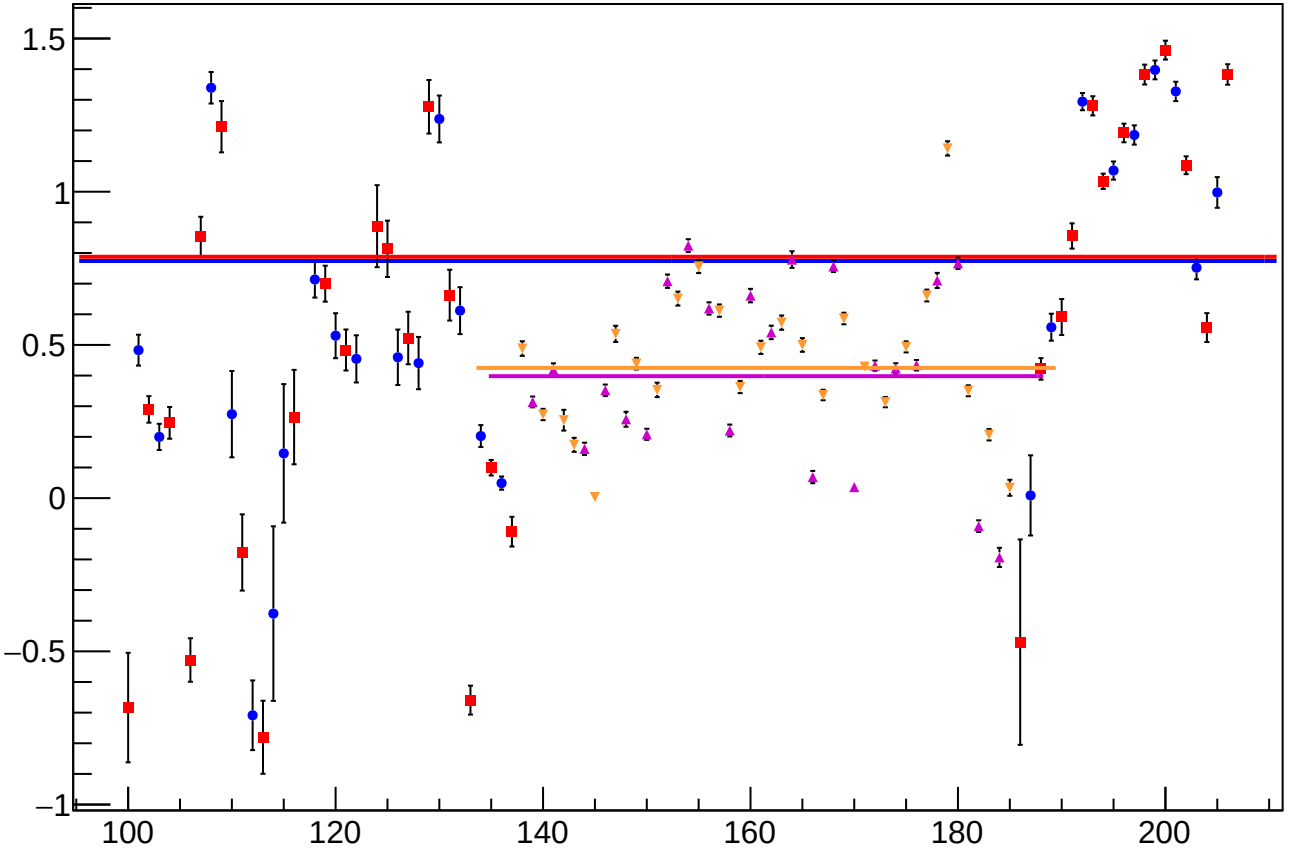
Right: -75.100+/-0.138 χ^2/NDF: 74432.1/55

In: -73.434+/-0.085 χ^2/NDF:45296.3/47

Out: -73.890+/-0.082 χ^2/NDF:57509.5/55

All: -73.670+/-0.059 χ^2/NDF: 102820.7/103

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.774+/-0.009 χ^2/NDF: 3443.8/24

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.788+/-0.008 χ^2/NDF: 4923.8/30

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

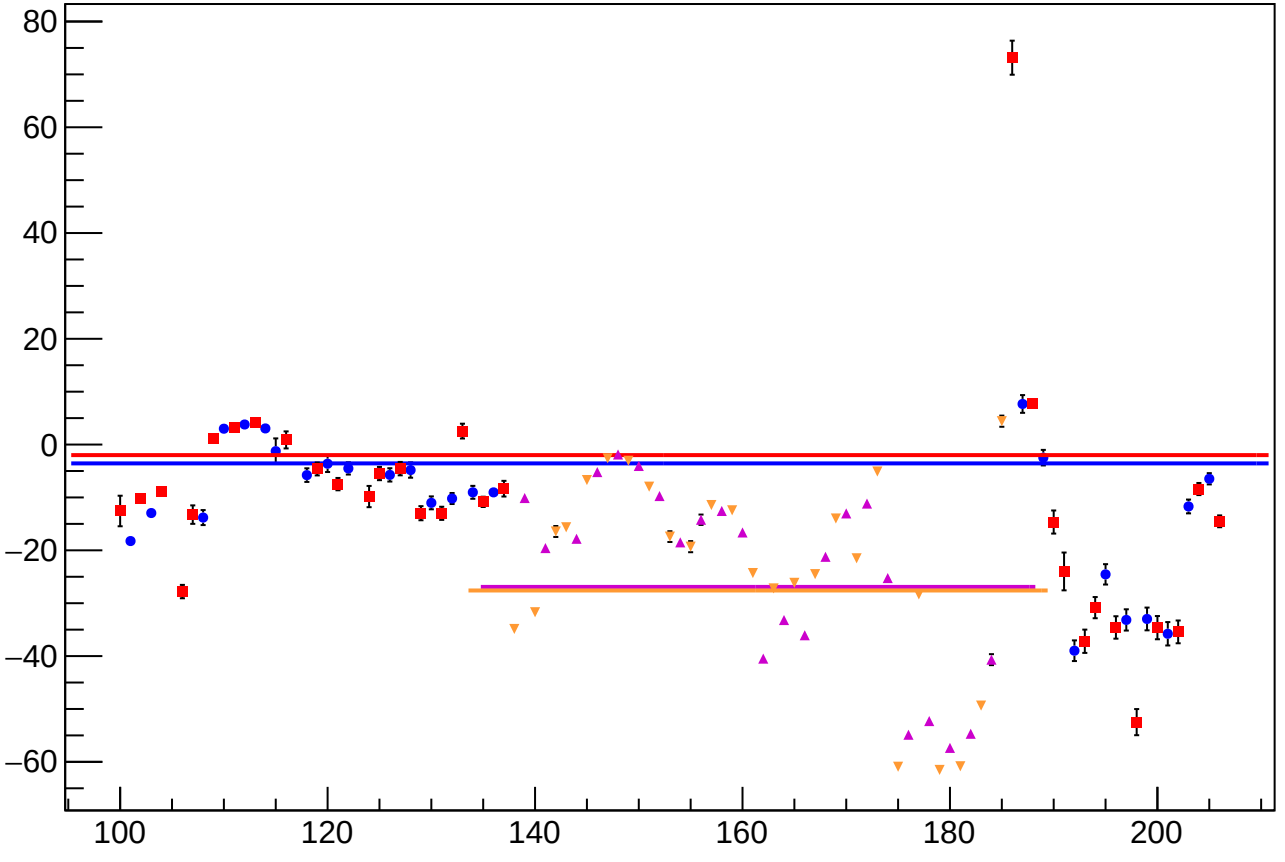
Right: 0.781+/-0.006 χ^2/NDF: 8369.0/55

In: 0.465+/-0.004 χ^2/NDF:9201.9/47

Out: 0.497+/-0.004 χ^2/NDF:9554.1/55

All: 0.482+/-0.003 χ^2/NDF: 18793.4/103

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.561+/-0.181 χ^2/NDF: 2699.0/24

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.995+/-0.159 χ^2/NDF: 4021.3/30

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

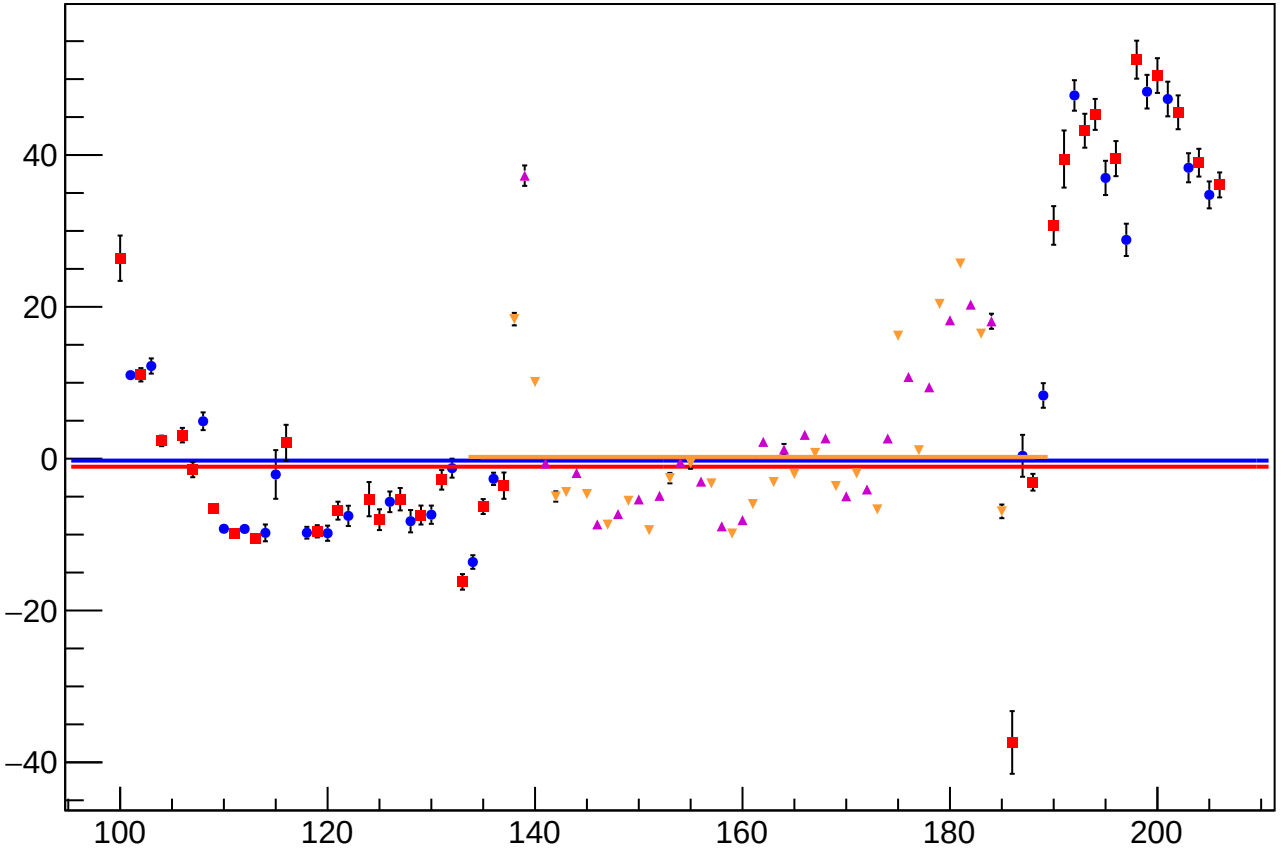
Right: -2.680+/-0.120 χ^2/NDF: 6762.6/55

In: -17.451+/-0.115 χ^2/NDF:28167.6/47

Out: -16.067+/-0.107 χ^2/NDF:37952.9/55

All: -16.708+/-0.078 χ^2/NDF: 66198.1/103

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.252+/-0.214 χ^2/NDF: 4443.4/24

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.058+/-0.205 χ^2/NDF: 5289.6/30

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

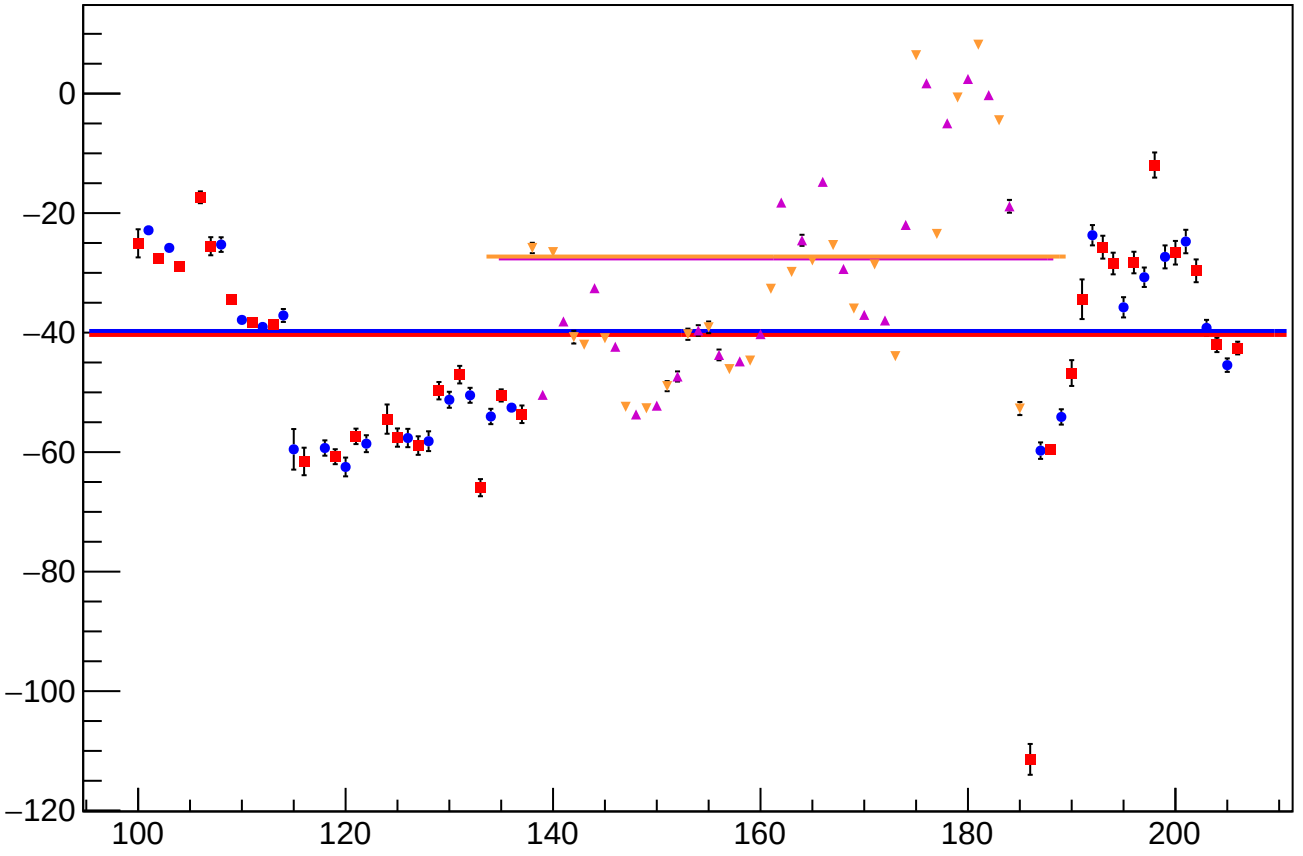
Right: -0.673+/-0.148 χ^2/NDF: 9740.4/55

In: 0.046+/-0.101 χ^2/NDF:10283.3/47

Out: -0.053+/-0.097 χ^2/NDF:13356.3/55

All: -0.005+/-0.070 χ^2/NDF: 23640.1/103

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.729+/-0.205 χ^2/NDF: 3545.9/24

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.388+/-0.188 χ^2/NDF: 4975.6/30

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

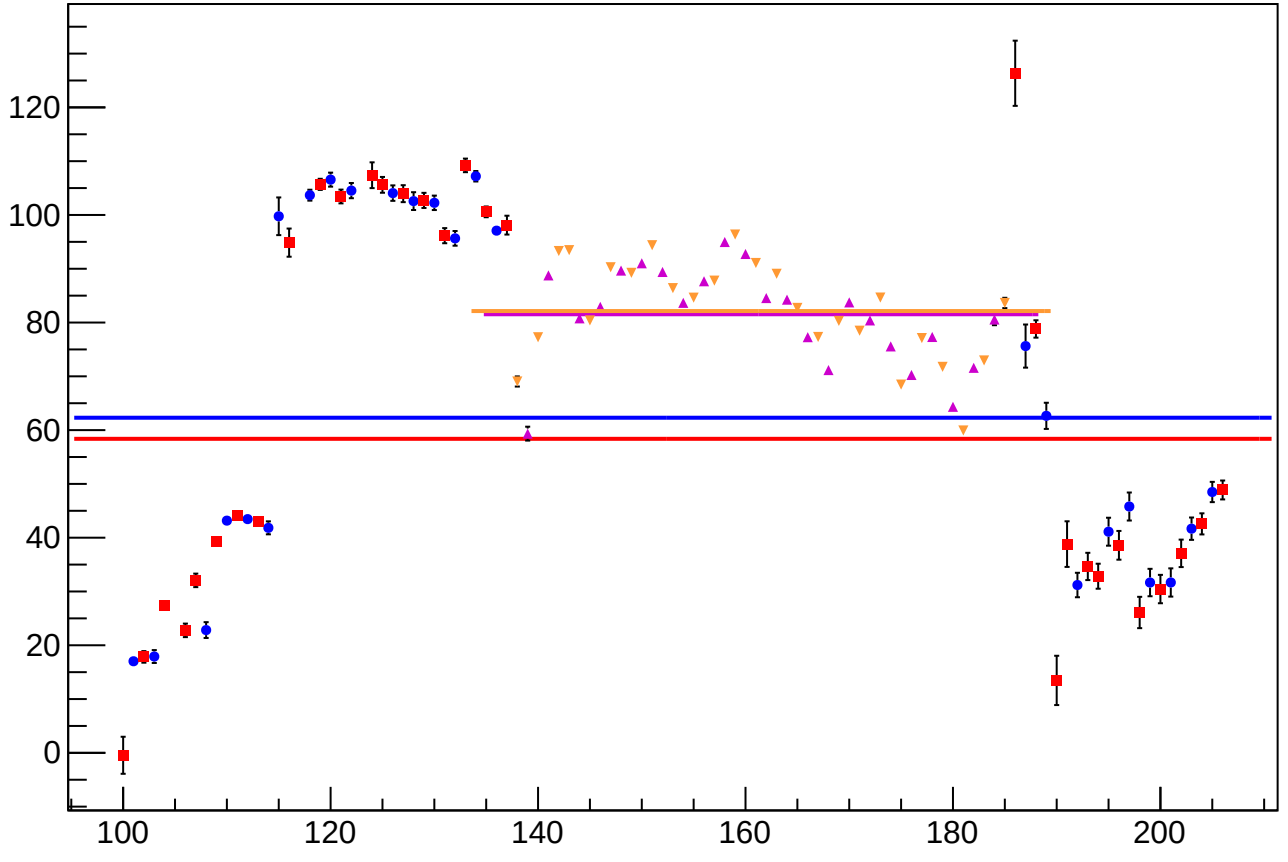
Right: -40.087+/-0.138 χ^2/NDF: 8527.1/55

In: -31.746+/-0.120 χ^2/NDF:21496.7/47

Out: -32.126+/-0.114 χ^2/NDF:26578.5/55

All: -31.946+/-0.083 χ^2/NDF: 48080.4/103

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.304+/-0.245 χ^2/NDF: 19388.1/24

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.382+/-0.235 χ^2/NDF: 18529.3/30

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

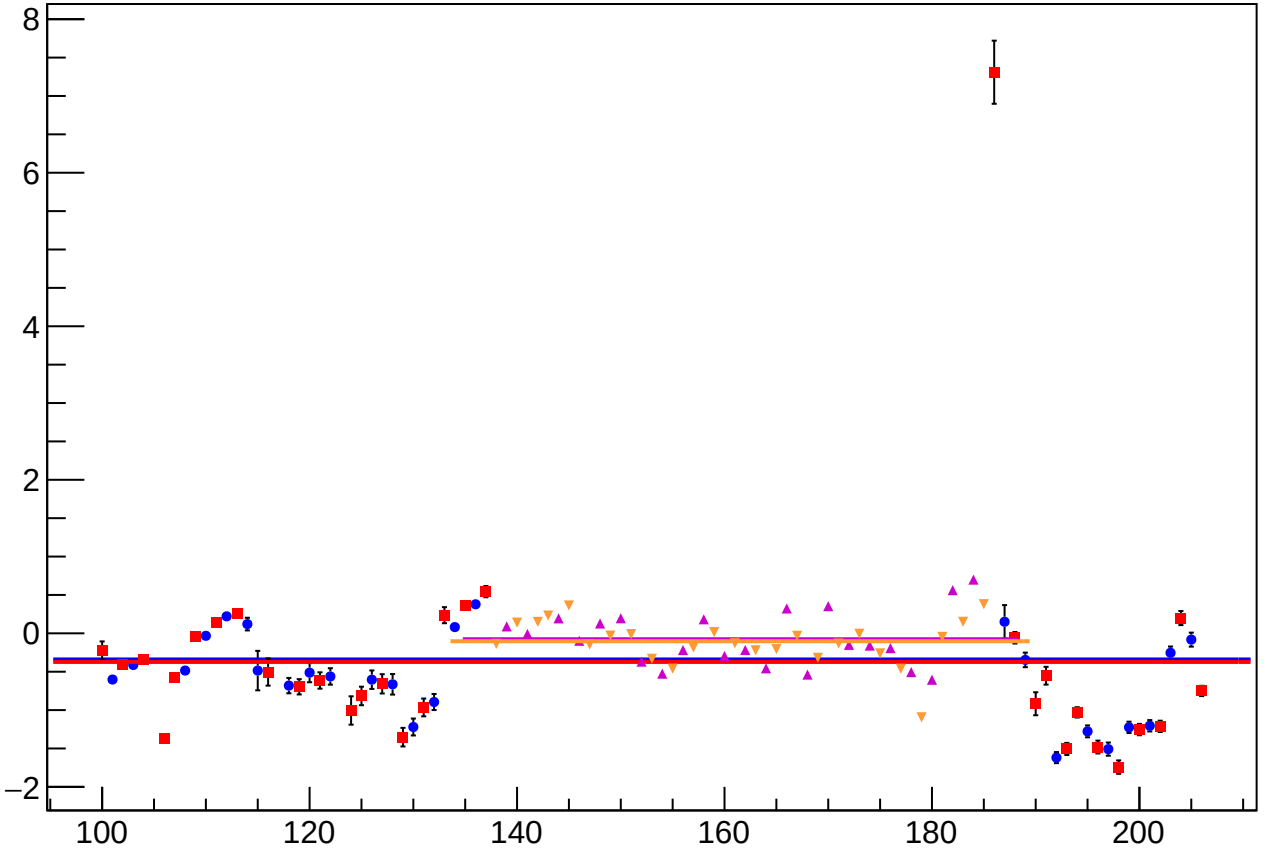
Right: 60.256+/-0.170 χ^2/NDF: 38050.9/55

In: 77.375+/-0.114 χ^2/NDF:28247.2/47

Out: 76.900+/-0.110 χ^2/NDF:31891.8/55

All: 77.129+/-0.079 χ^2/NDF: 60147.9/103

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.340+/-0.012 χ^2/NDF: 1983.3/24

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.373+/-0.011 χ^2/NDF: 2962.5/30

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

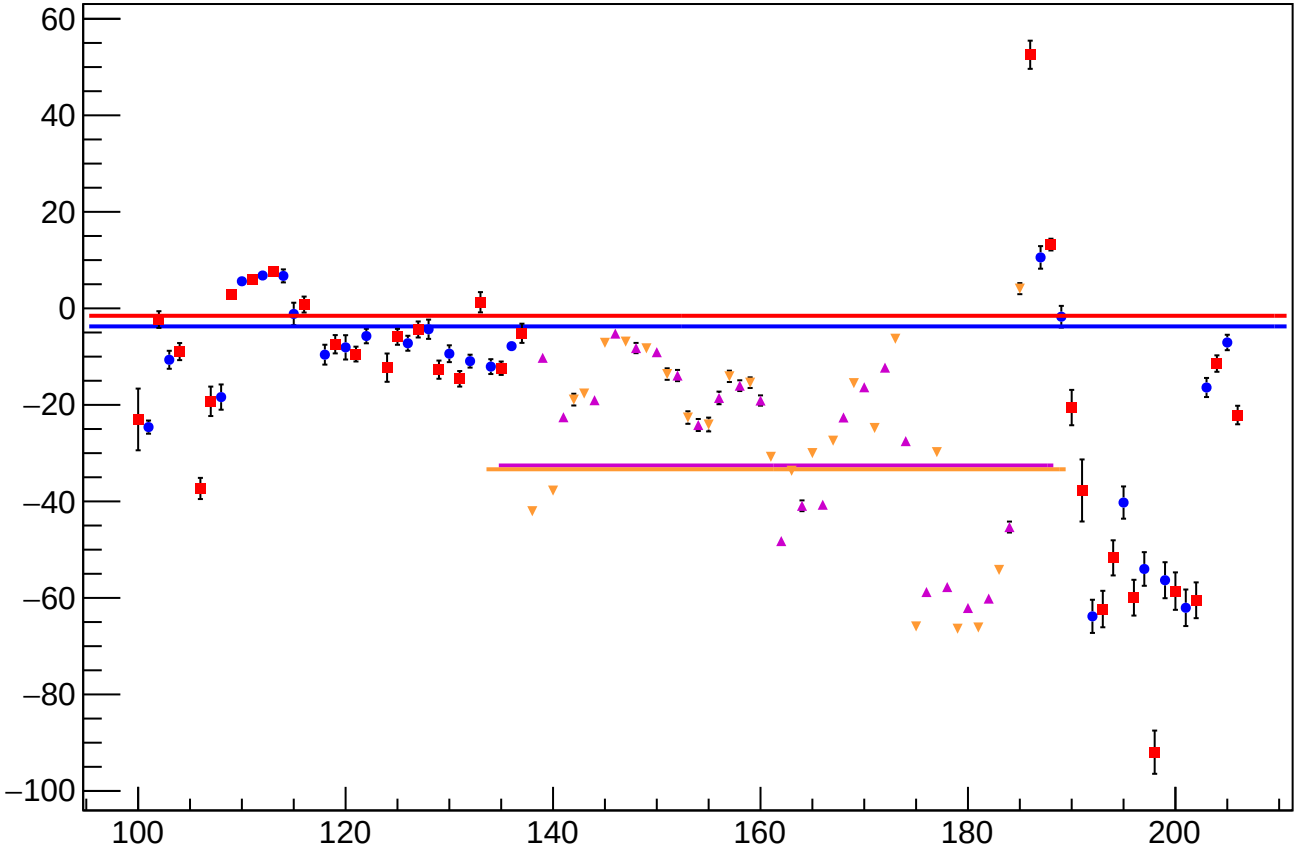
Right: -0.357+/-0.008 χ^2/NDF: 4949.4/55

In: -0.125+/-0.005 χ^2/NDF:5690.2/47

Out: -0.155+/-0.005 χ^2/NDF:5817.6/55

All: -0.141+/-0.004 χ^2/NDF: 11525.3/103

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.737+/-0.289 χ^2/NDF: 2098.1/24

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.537+/-0.263 χ^2/NDF: 3233.4/30

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

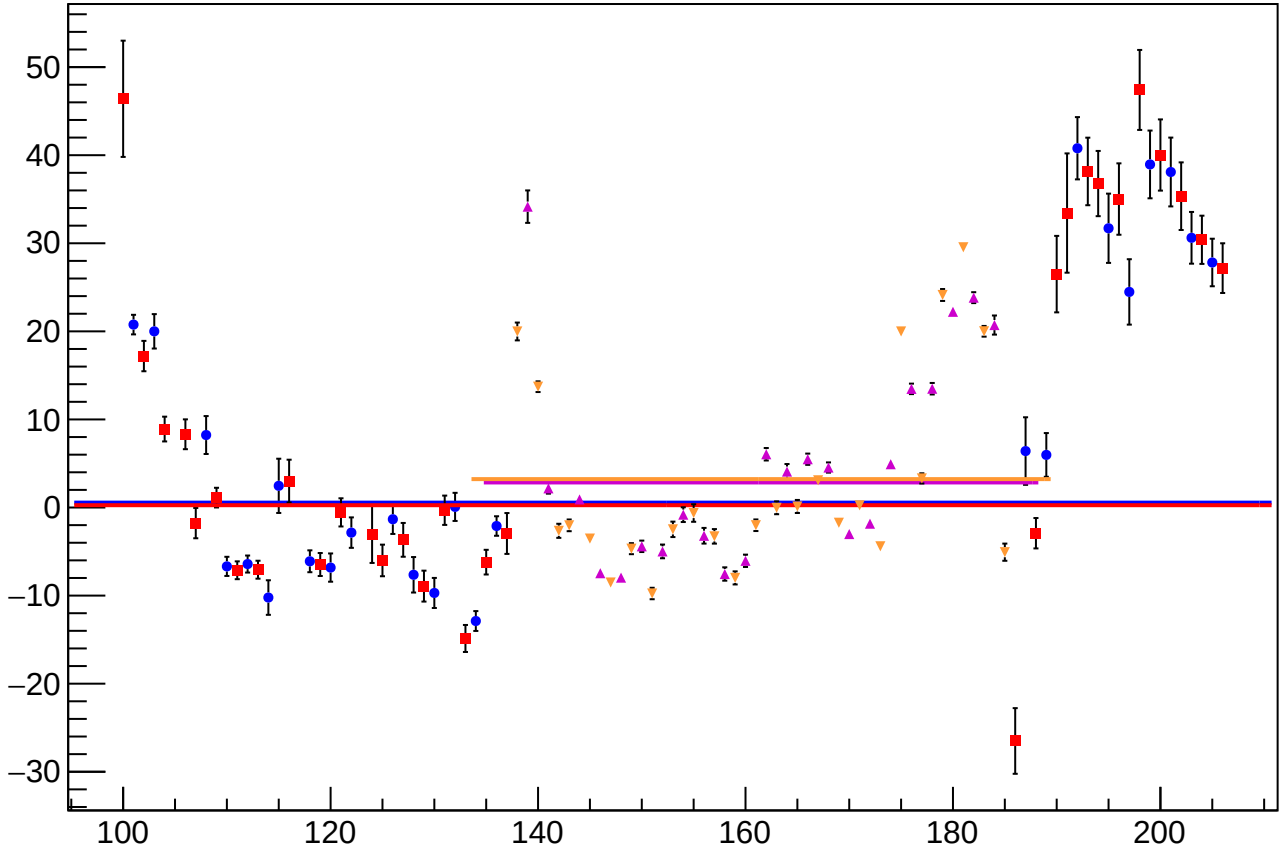
Right: -2.532+/-0.194 χ^2/NDF: 5363.3/55

In: -25.191+/-0.146 χ^2/NDF:23391.8/47

Out: -24.376+/-0.139 χ^2/NDF:31753.8/55

All: -24.764+/-0.101 χ^2/NDF: 55161.9/103

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.555+/-0.339 χ^2/NDF: 1465.2/24

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 0.263+/-0.333 χ^2/NDF: 1390.7/30

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

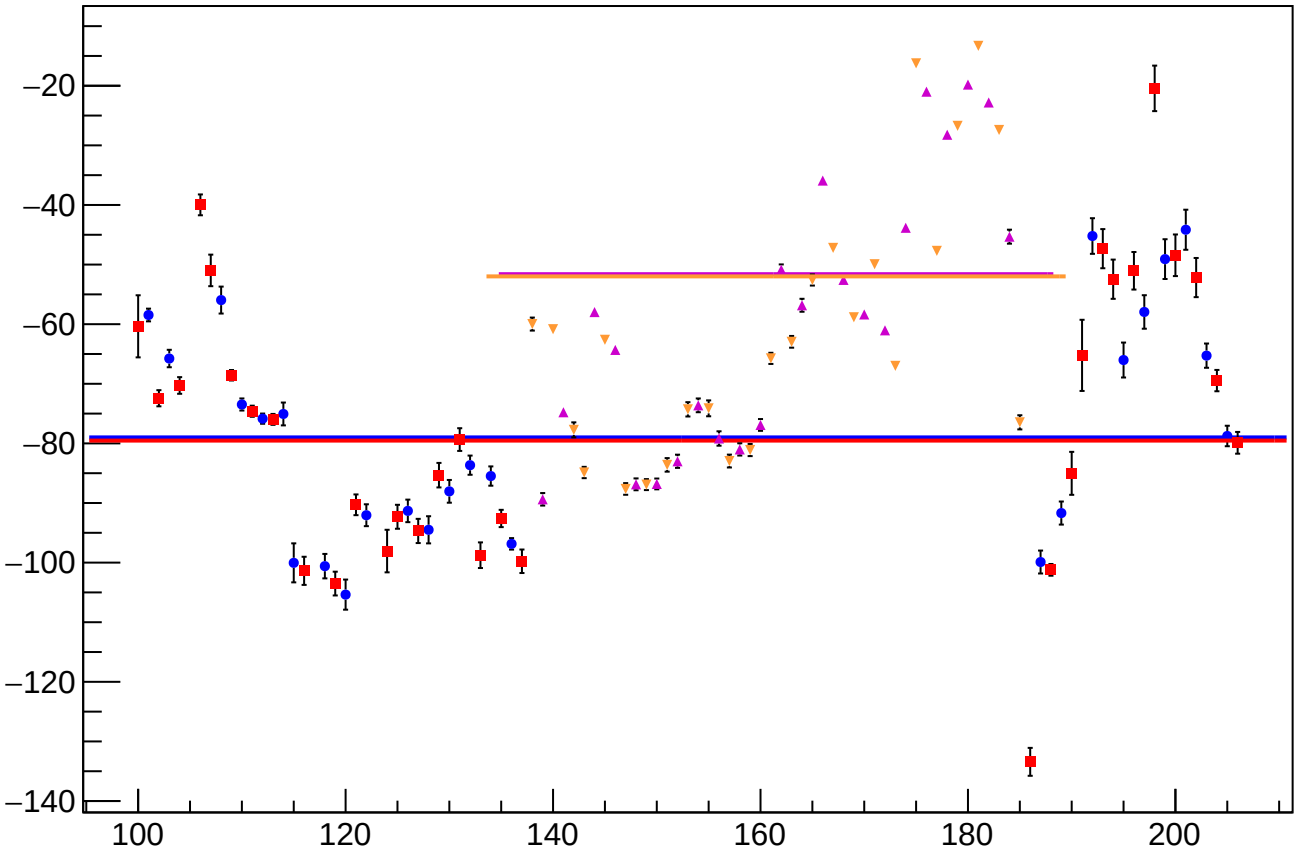
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 0.406+/-0.237 χ^2/NDF: 2856.3/55

In: 2.546+/-0.122 χ^2/NDF:6960.5/47

Out: 2.841+/-0.120 χ^2/NDF:9135.4/55

All: 2.697+/-0.086 χ^2/NDF: 16098.8/103



Right In: -78.995+/-0.330 χ^2/NDF: 1993.9/24

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.528+/-0.309 χ^2/NDF: 3267.8/30

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

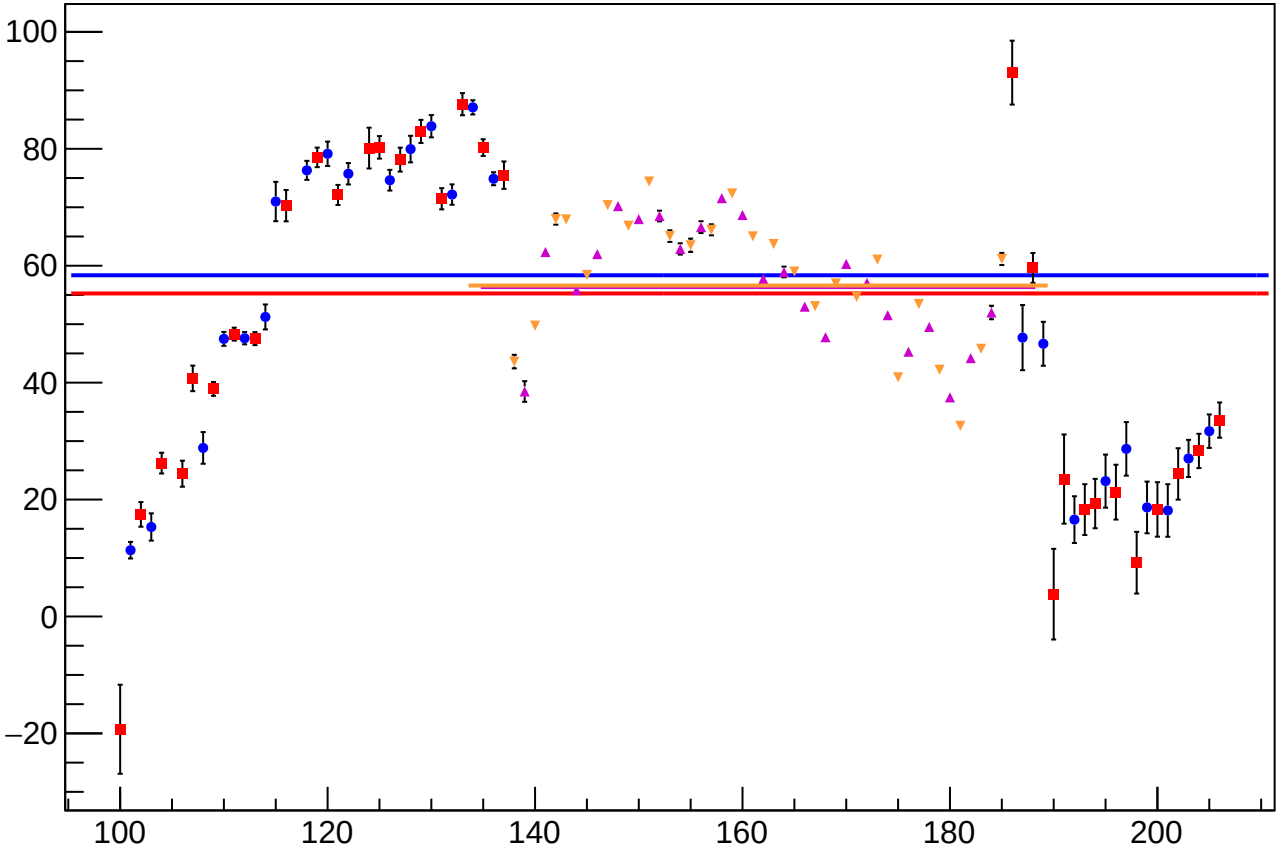
Right: -79.279+/-0.226 χ^2/NDF: 5263.1/55

In: -57.304+/-0.150 χ^2/NDF:25071.4/47

Out: -58.079+/-0.145 χ^2/NDF:30338.5/55

All: -57.705+/-0.105 χ^2/NDF: 55423.6/103

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 58.366+/-0.383 χ^2/NDF: 3846.6/24

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.255+/-0.378 χ^2/NDF: 3447.5/30

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

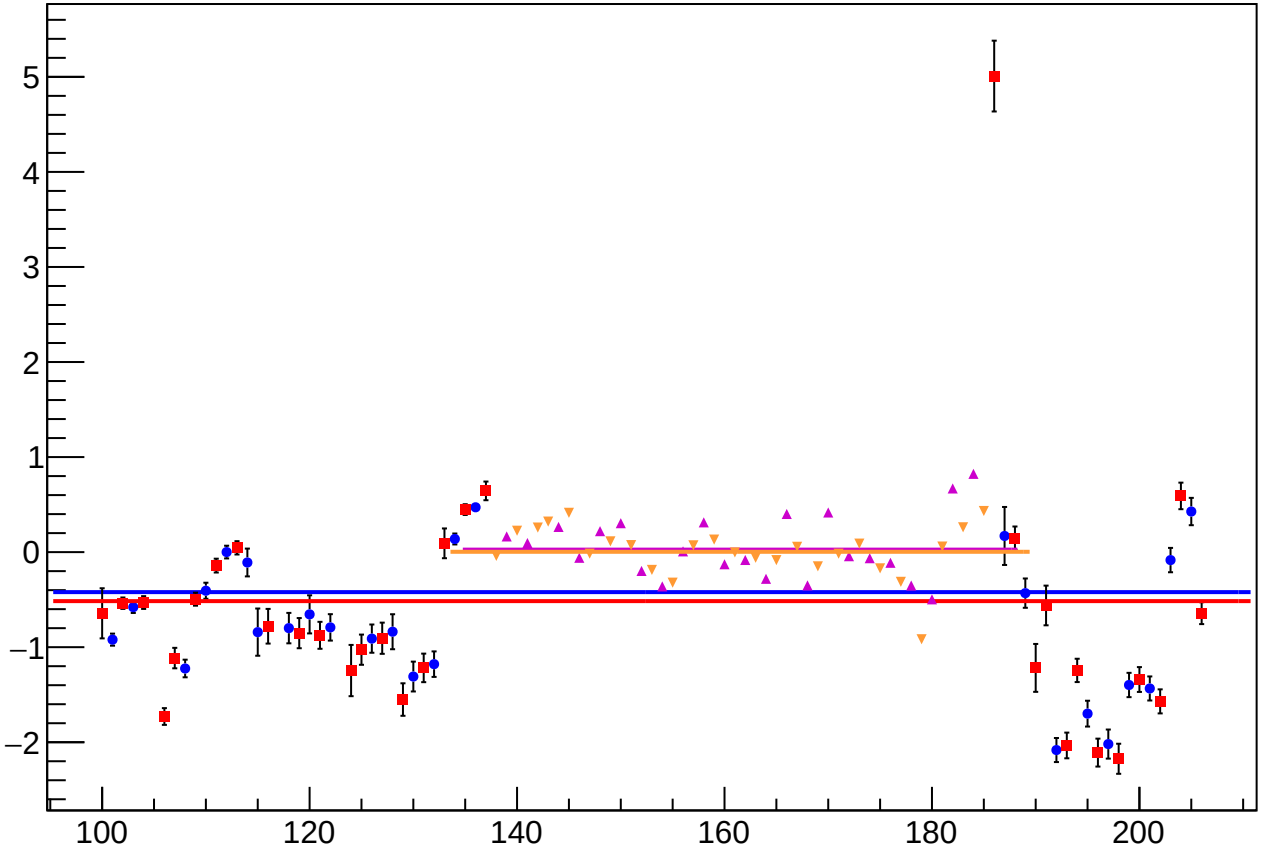
Right: 56.792+/-0.269 χ^2/NDF: 7327.4/55

In: 56.608+/-0.138 χ^2/NDF:7839.5/47

Out: 56.441+/-0.134 χ^2/NDF:9124.9/55

All: 56.523+/-0.096 χ^2/NDF: 16965.1/103

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.421+/-0.020 χ^2/NDF: 1307.6/24

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.515+/-0.019 χ^2/NDF: 1672.5/30

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

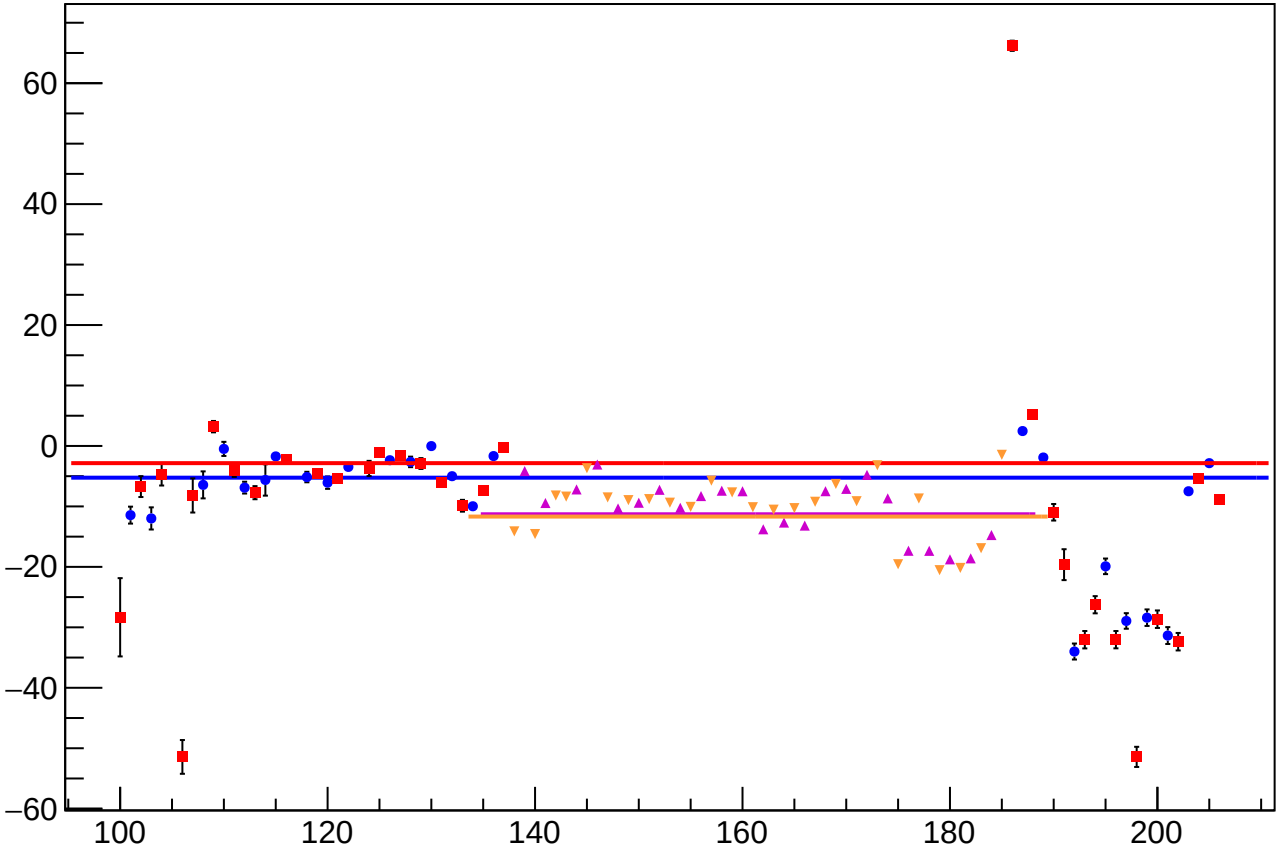
Right: -0.469+/-0.014 χ^2/NDF: 2991.8/55

In: -0.019+/-0.006 χ^2/NDF:4120.6/47

Out: -0.048+/-0.006 χ^2/NDF:4016.8/55

All: -0.034+/-0.004 χ^2/NDF: 8148.6/103

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.247+/-0.160 χ^2/NDF: 2023.3/24

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.843+/-0.158 χ^2/NDF: 10497.4/30

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

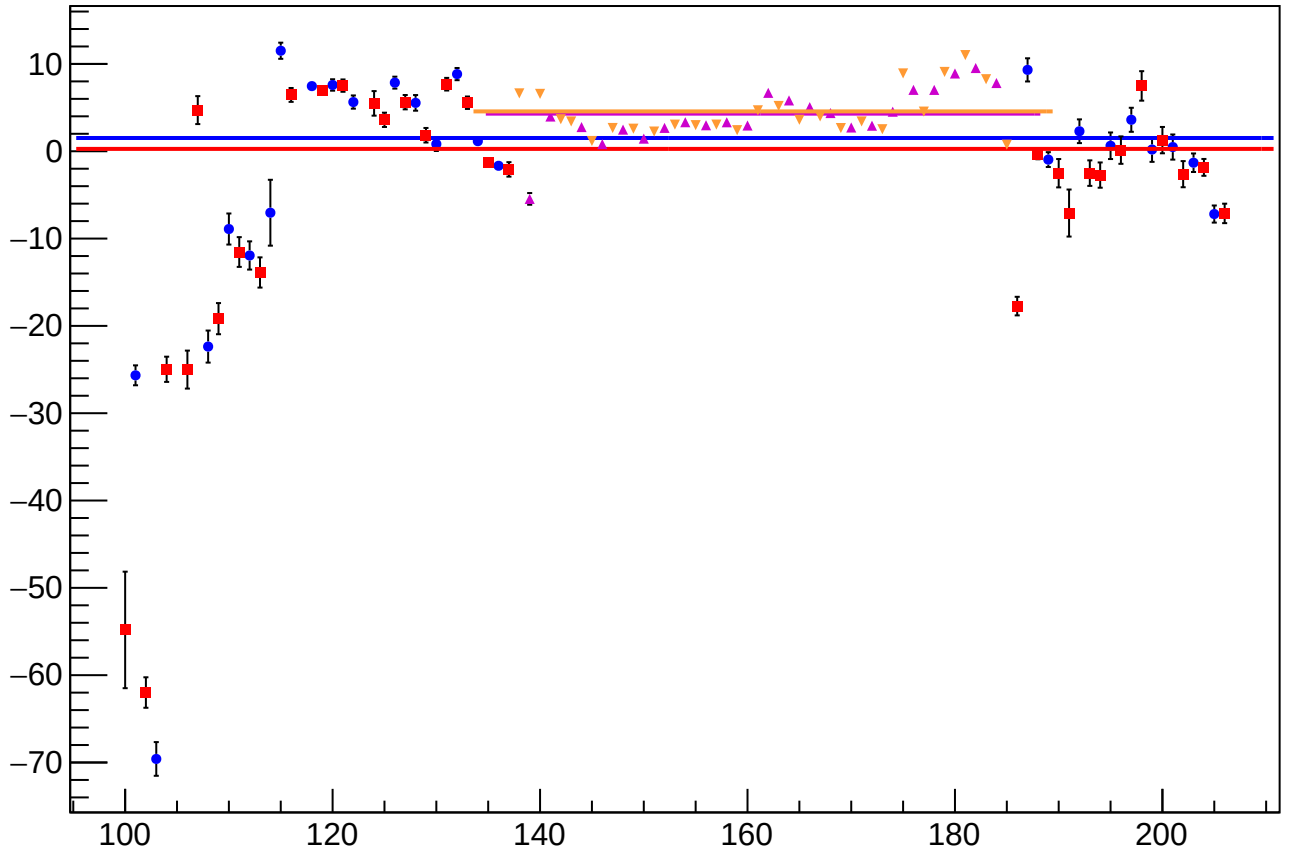
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -4.030+/-0.112 χ^2/NDF: 12634.9/55

In: -10.683+/-0.051 χ^2/NDF:12537.4/47

Out: -10.797+/-0.050 χ^2/NDF:25914.8/55

All: -10.741+/-0.036 χ^2/NDF: 38454.8/103



Right In: 1.519+/-0.171 χ^2/NDF: 2975.7/24

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.270+/-0.178 χ^2/NDF: 2972.9/30

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

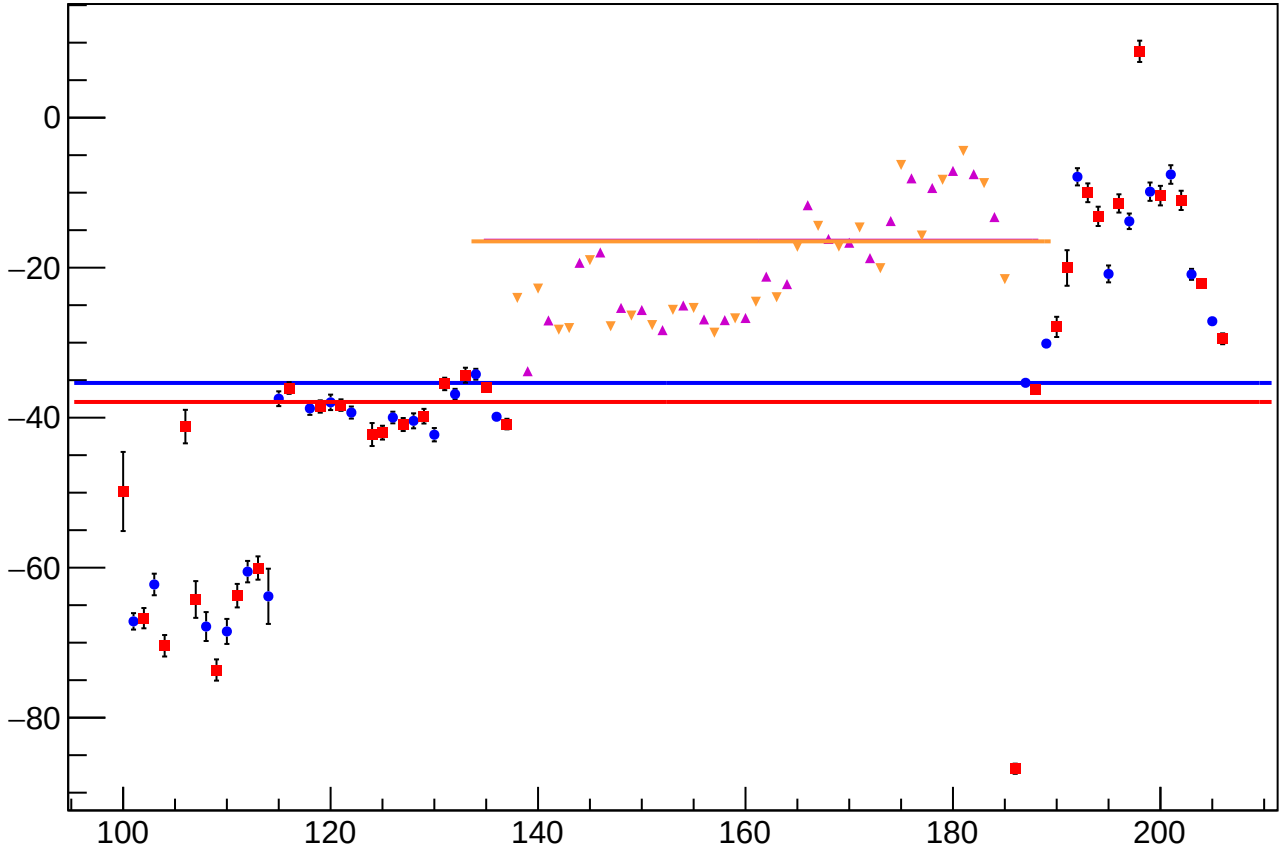
Right: 0.919+/-0.123 χ^2/NDF: 5974.3/55

In: 4.148+/-0.041 χ^2/NDF:6836.6/47

Out: 4.343+/-0.040 χ^2/NDF:7883.9/55

All: 4.247+/-0.029 χ^2/NDF: 14732.0/103

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.370+/-0.167 χ^2/NDF: 5319.2/24

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.906+/-0.161 χ^2/NDF: 11754.7/30

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

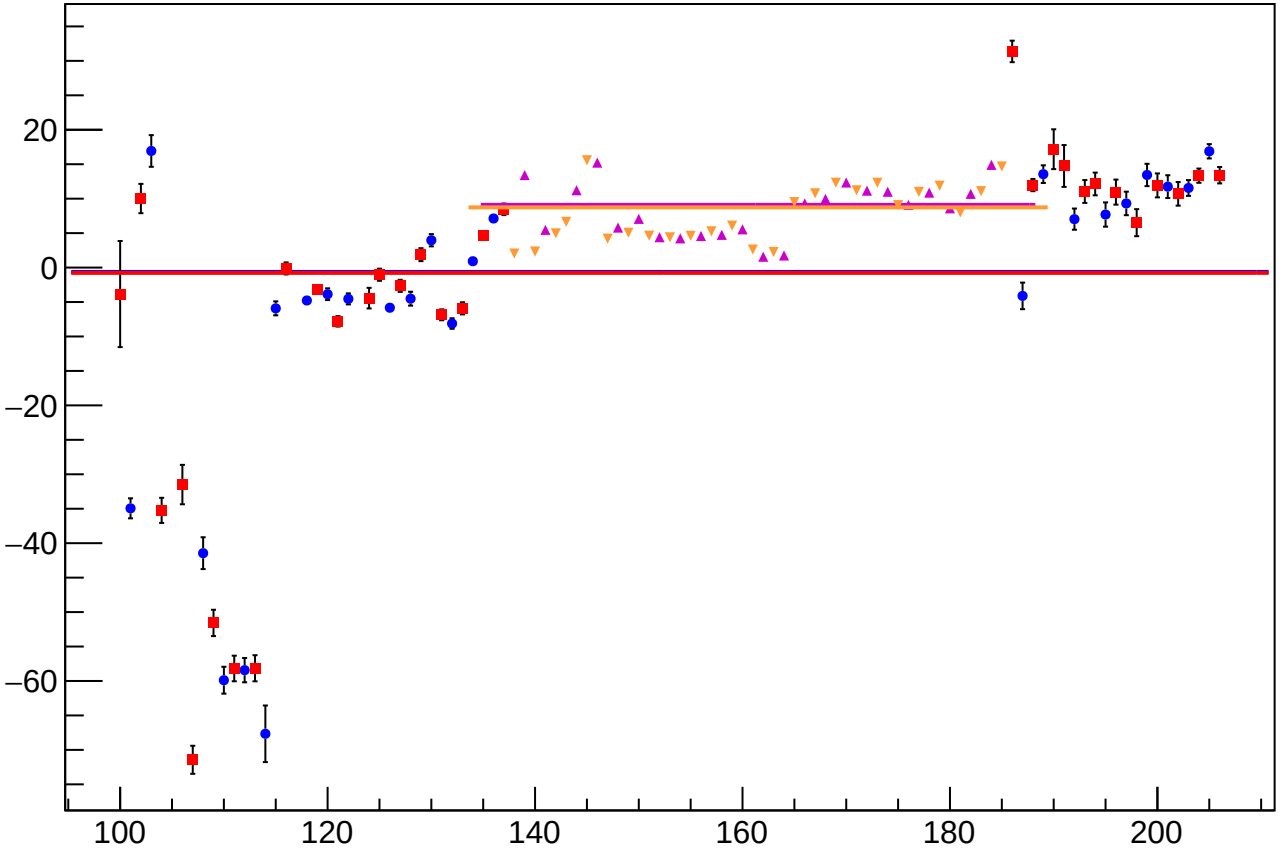
Right: -36.682+/-0.116 χ^2/NDF: 17193.9/55

In: -18.200+/-0.051 χ^2/NDF:35080.6/47

Out: -18.574+/-0.050 χ^2/NDF:49733.8/55

All: -18.391+/-0.036 χ^2/NDF: 84841.4/103

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.634+/-0.192 χ^2/NDF: 4580.8/24

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.768+/-0.204 χ^2/NDF: 6003.5/30

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

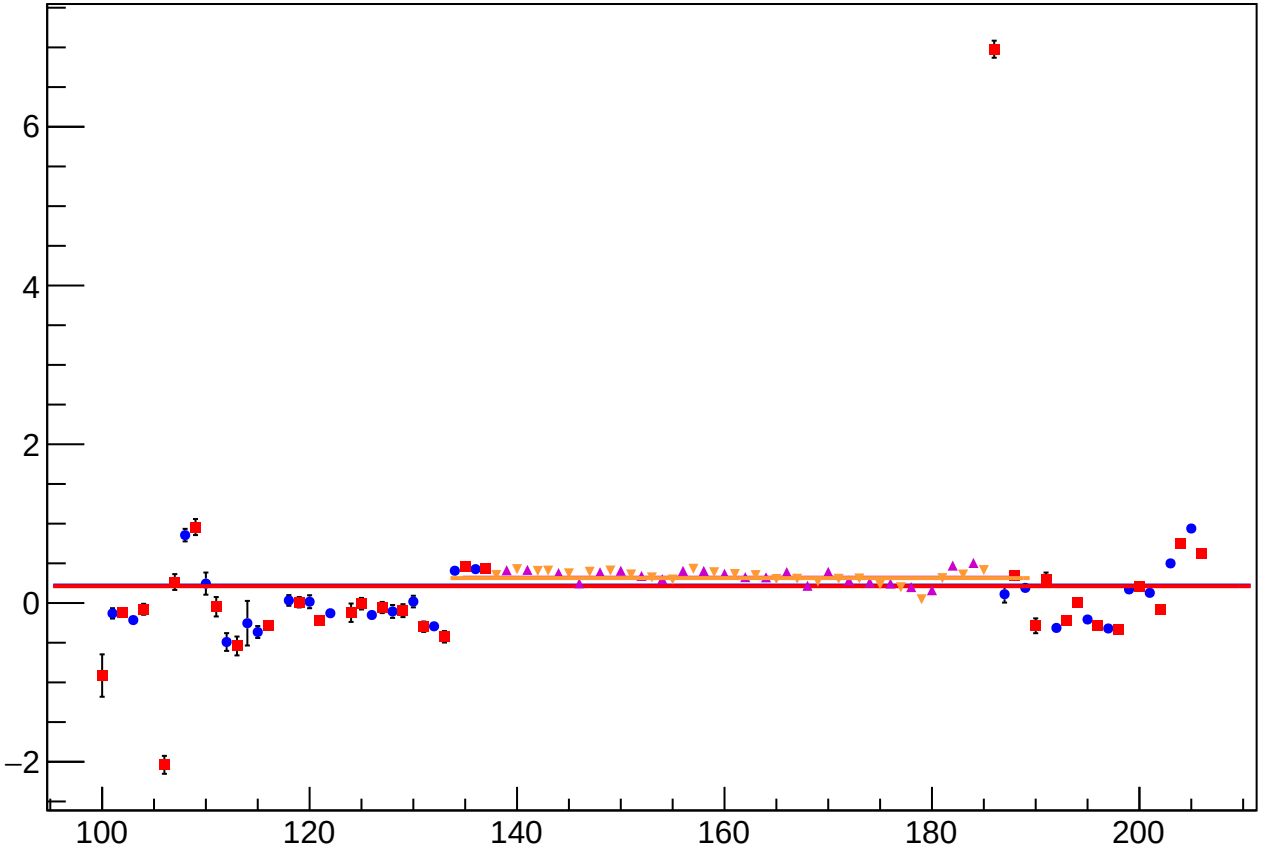
Right: -0.697+/-0.140 χ^2/NDF: 10584.5/55

In: 8.544+/-0.046 χ^2/NDF:12744.6/47

Out: 8.269+/-0.045 χ^2/NDF:14951.6/55

All: 8.404+/-0.032 χ^2/NDF: 27714.4/103

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.220+/-0.010 χ^2/NDF: 1133.3/24

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.212+/-0.010 χ^2/NDF: 5525.8/30

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

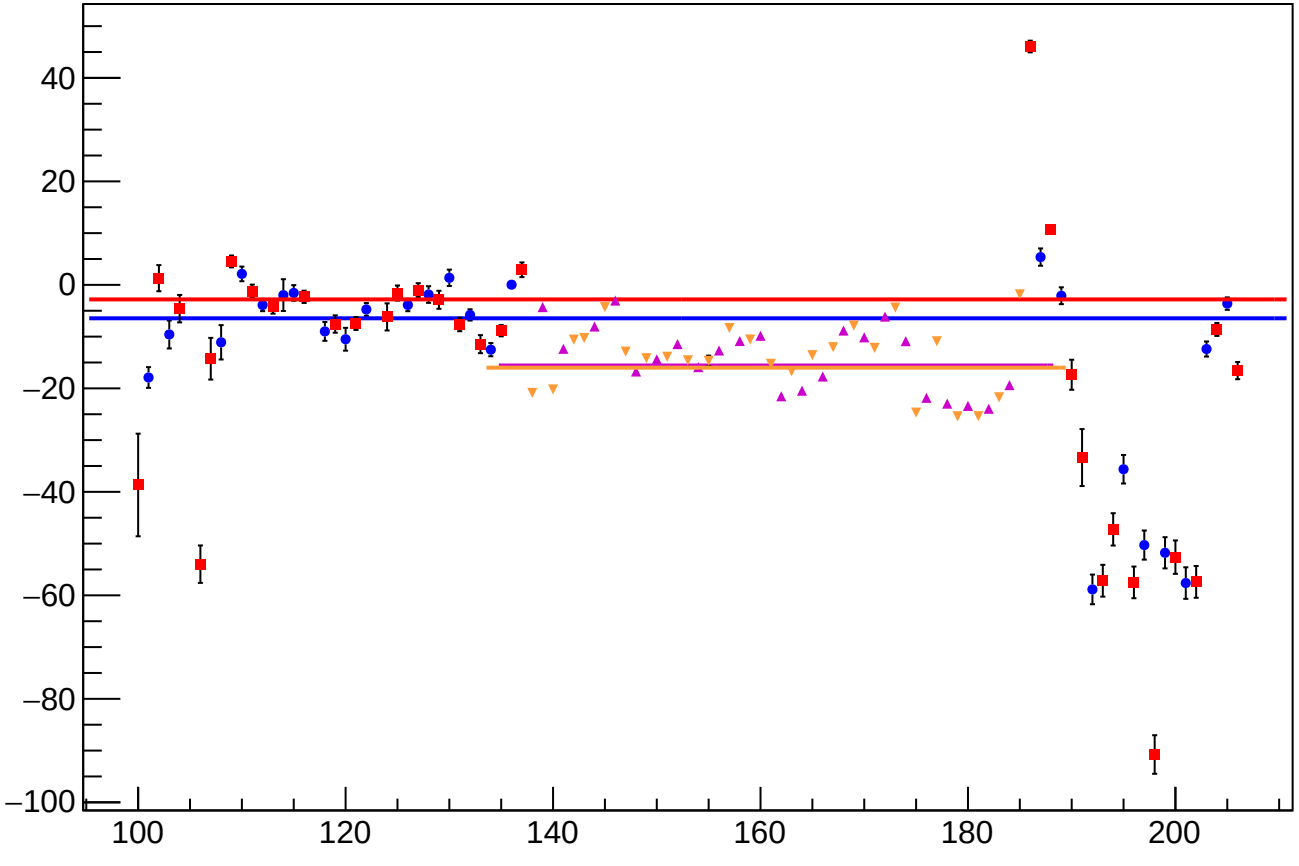
Right: 0.216+/-0.007 χ^2/NDF: 6659.4/55

In: 0.314+/-0.002 χ^2/NDF:3021.8/47

Out: 0.310+/-0.002 χ^2/NDF:7224.2/55

All: 0.312+/-0.001 χ^2/NDF: 10248.2/103

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.460+/-0.304 χ^2/NDF: 1518.0/24

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.806+/-0.294 χ^2/NDF: 4566.5/30

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

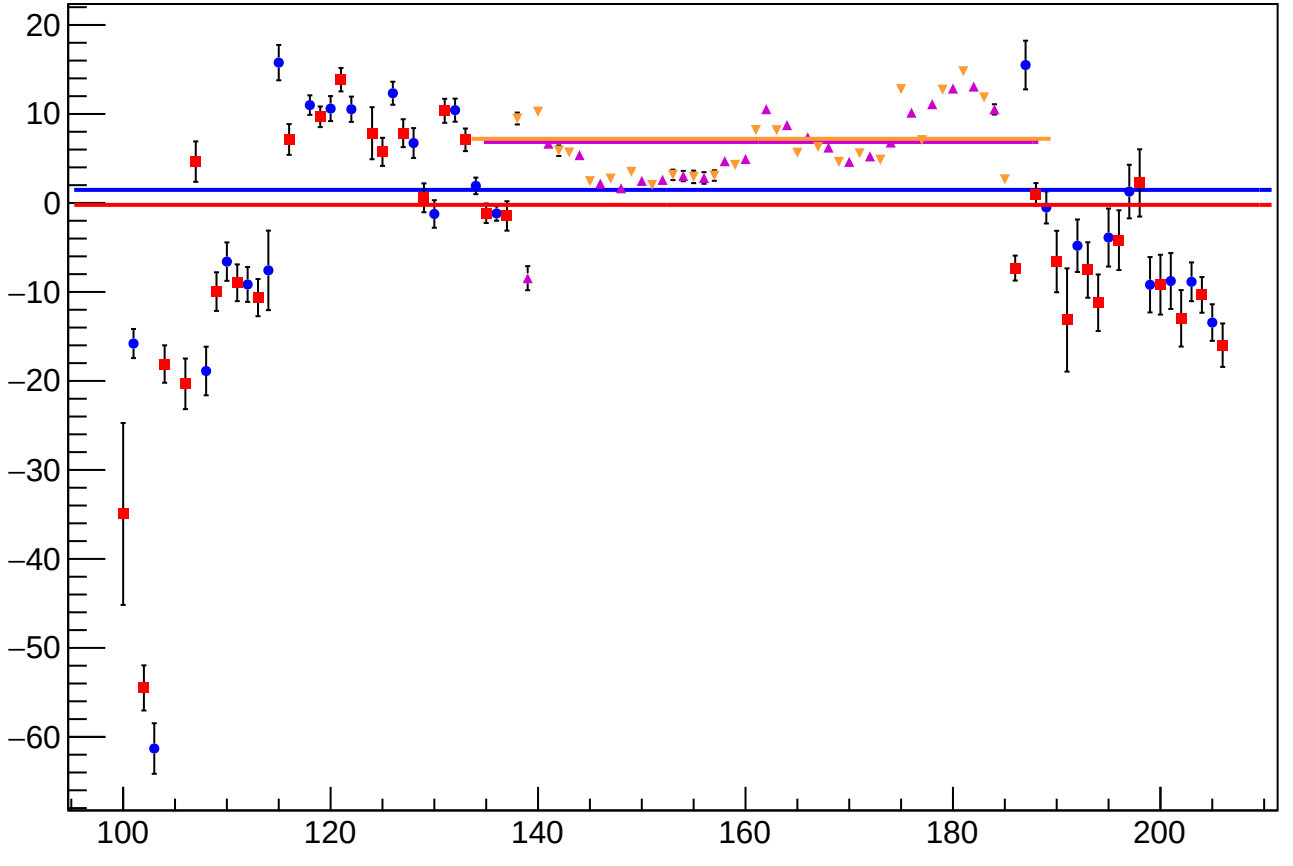
Right: -4.572+/-0.211 χ^2/NDF: 6159.3/55

In: -14.657+/-0.097 χ^2/NDF:7089.1/47

Out: -14.644+/-0.094 χ^2/NDF:12340.9/55

All: -14.651+/-0.067 χ^2/NDF: 19430.1/103

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.469+/-0.328 χ^2/NDF: 1186.6/24

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.216+/-0.335 χ^2/NDF: 1153.0/30

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

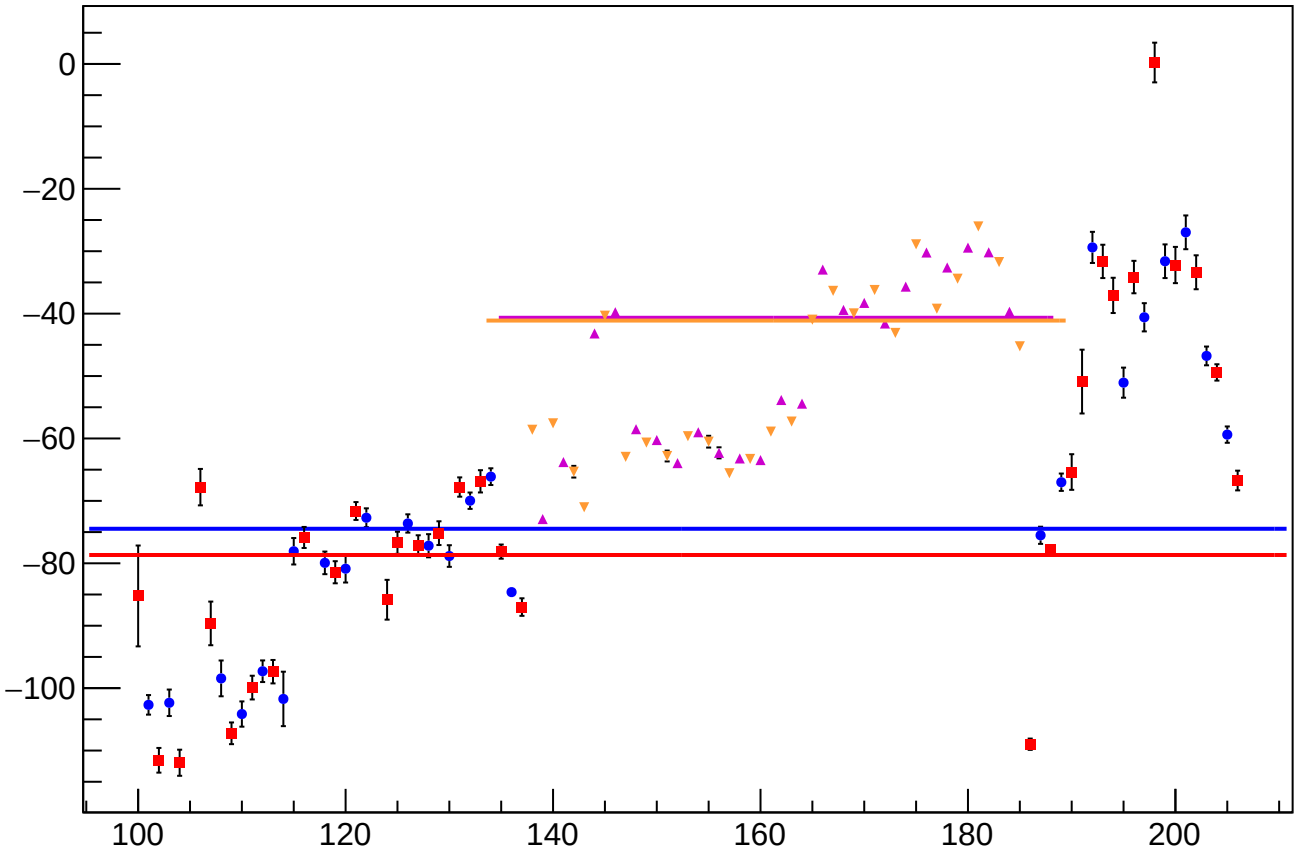
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 0.643+/-0.235 χ^2/NDF: 2352.5/55

In: 6.547+/-0.079 χ^2/NDF:3596.5/47

Out: 6.811+/-0.078 χ^2/NDF:4073.9/55

All: 6.680+/-0.055 χ^2/NDF: 7676.0/103



Right In: -74.468+/-0.322 χ^2/NDF: 2988.2/24

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.669+/-0.304 χ^2/NDF: 4918.8/30

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

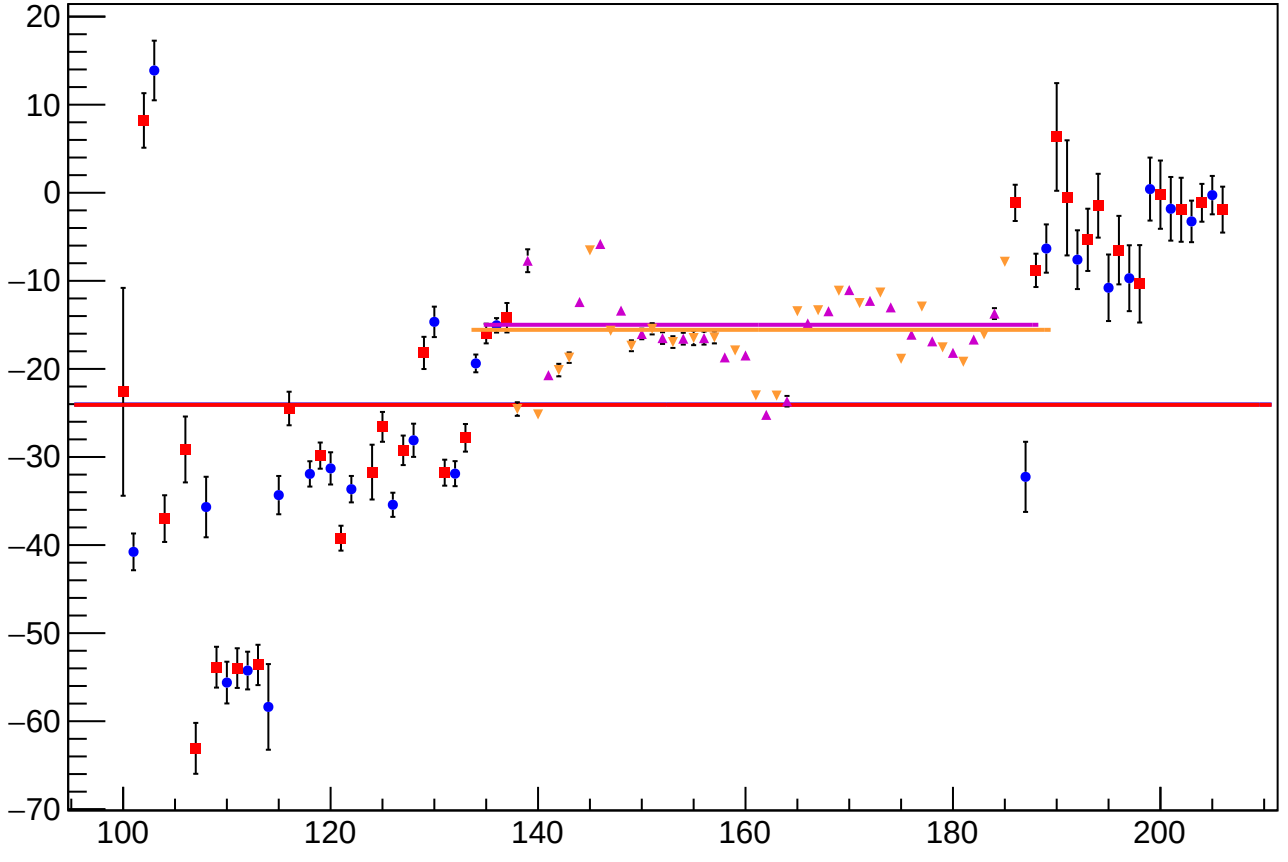
Right: -76.690+/-0.221 χ^2/NDF: 7997.0/55

In: -43.760+/-0.097 χ^2/NDF:26543.3/47

Out: -44.780+/-0.095 χ^2/NDF:34701.5/55

All: -44.283+/-0.068 χ^2/NDF: 61301.0/103

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.038+/-0.369 χ^2/NDF: 1390.5/24

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.079+/-0.386 χ^2/NDF: 1688.3/30

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

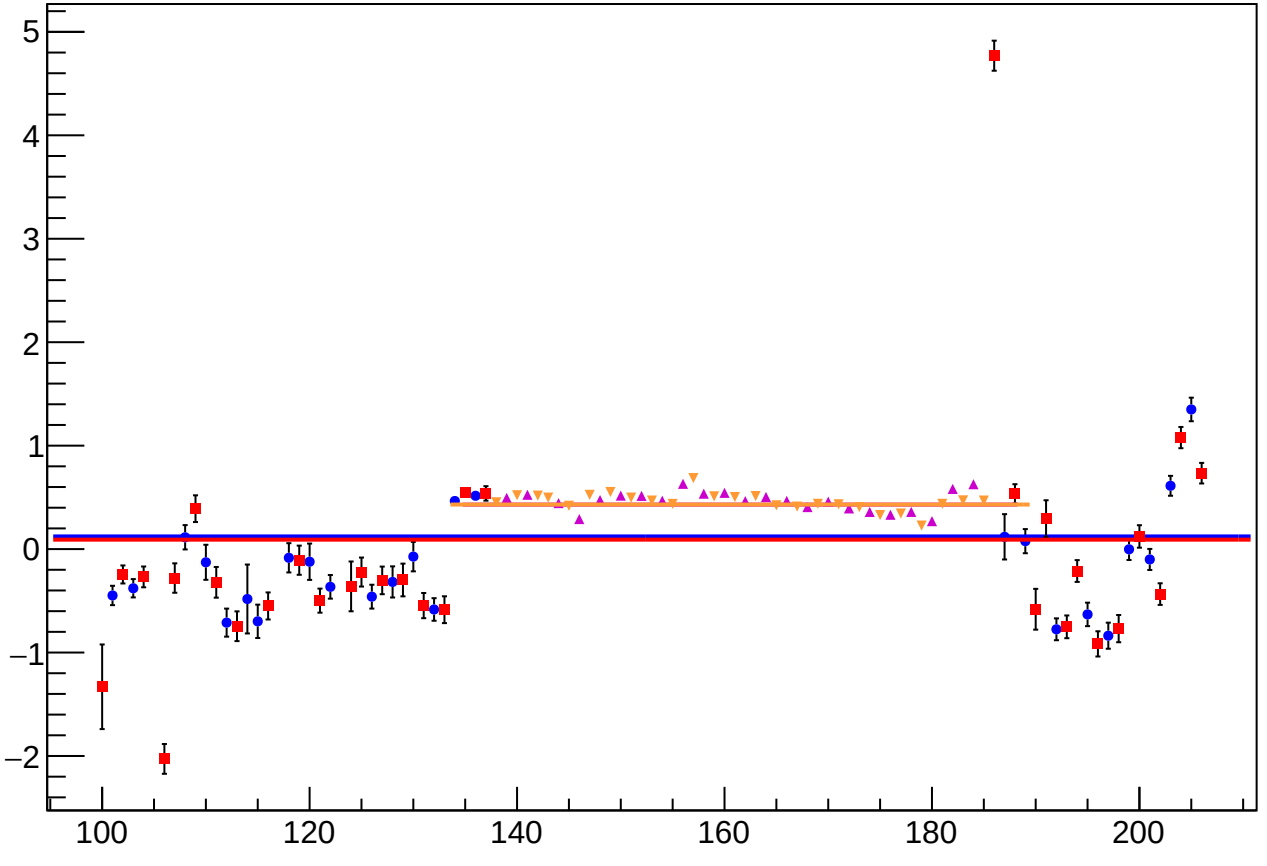
Right: -24.058+/-0.266 χ^2/NDF: 3078.8/55

In: -15.502+/-0.088 χ^2/NDF:4110.0/47

Out: -15.992+/-0.087 χ^2/NDF:4701.1/55

All: -15.750+/-0.062 χ^2/NDF: 8827.0/103

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.122+/-0.019 χ^2/NDF: 748.9/24

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.091+/-0.020 χ^2/NDF: 1998.4/30

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

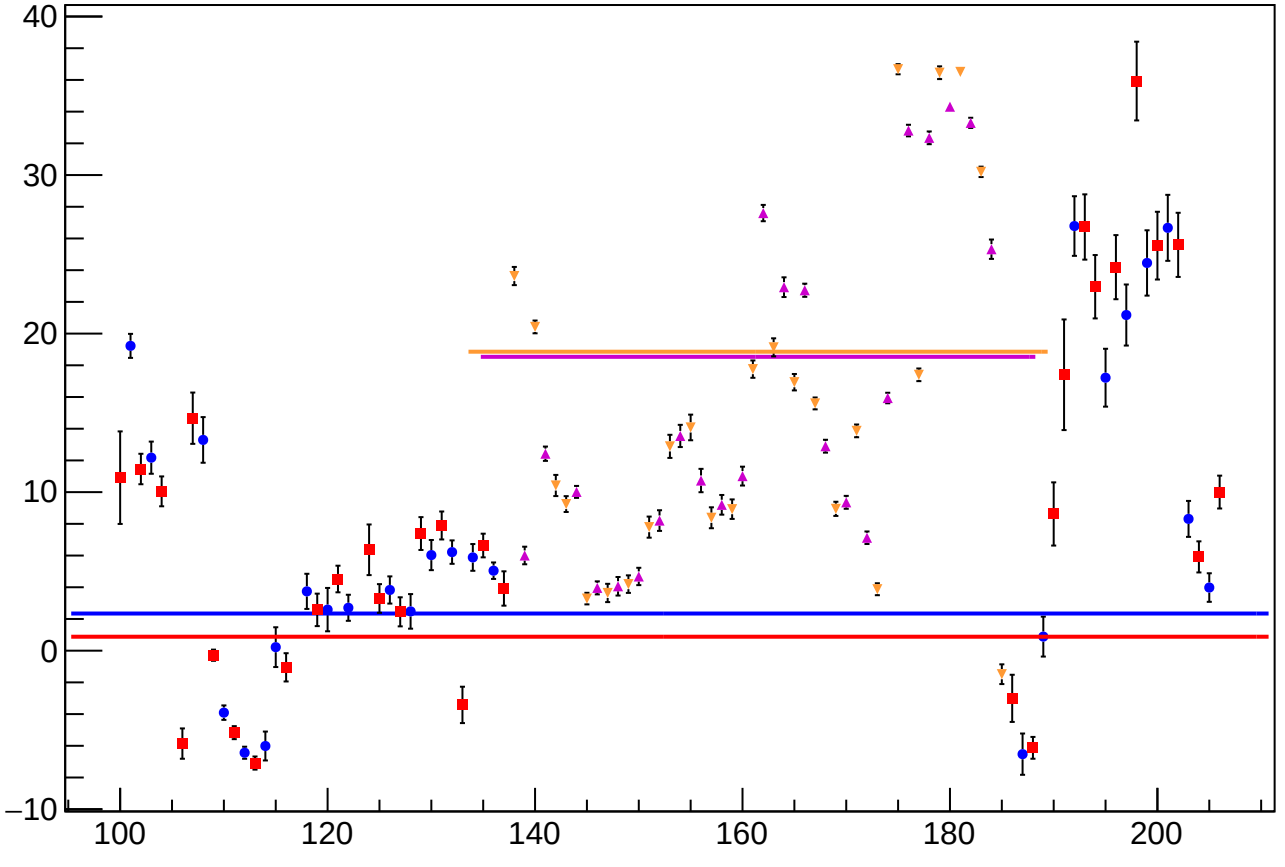
Right: 0.108+/-0.014 χ^2/NDF: 2748.6/55

In: 0.416+/-0.004 χ^2/NDF:1593.1/47

Out: 0.418+/-0.004 χ^2/NDF:2701.3/55

All: 0.417+/-0.003 χ^2/NDF: 4294.5/103

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.343+/-0.171 χ^2/NDF: 2209.4/24

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.880+/-0.154 χ^2/NDF: 2327.4/30

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

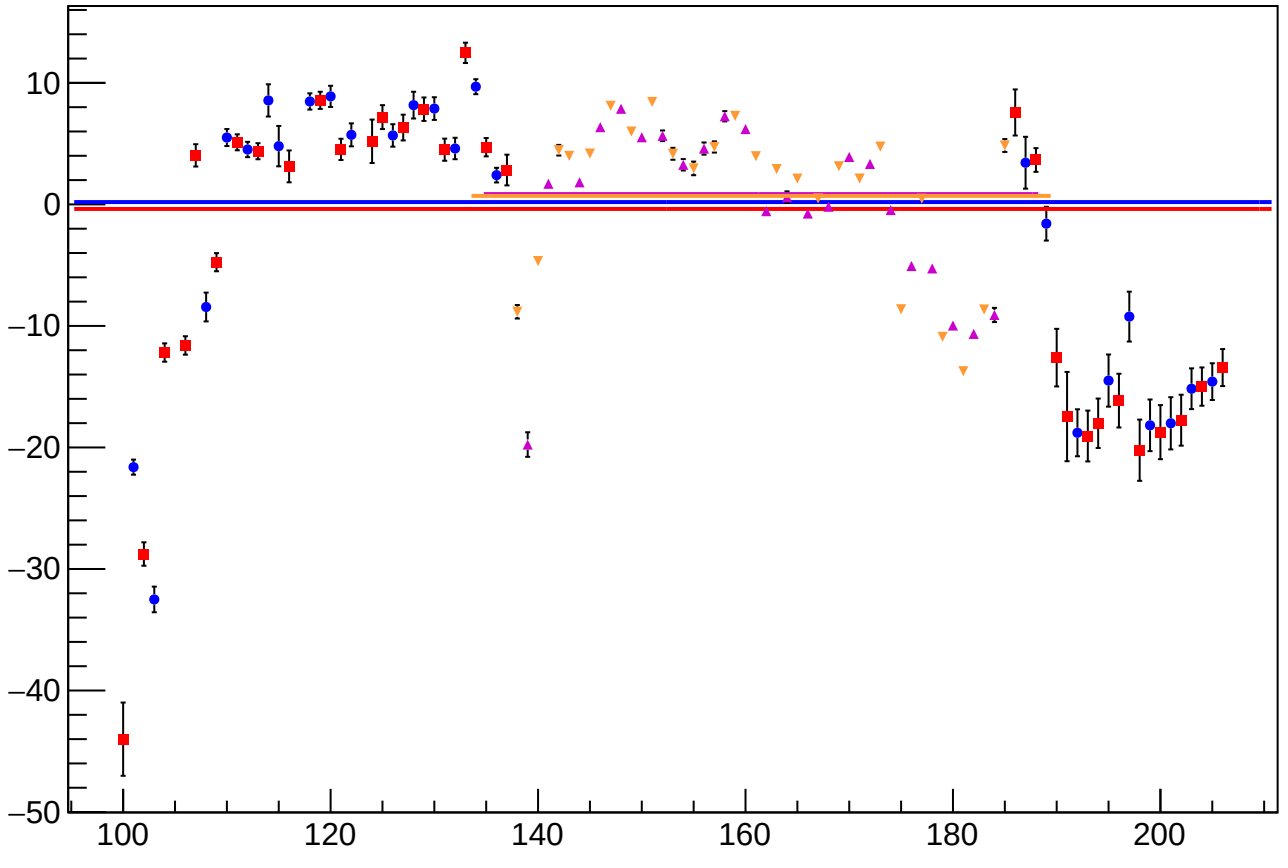
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.540+/-0.114 χ^2/NDF: 4577.2/55

In: 14.810+/-0.082 χ^2/NDF:23214.4/47

Out: 14.271+/-0.078 χ^2/NDF:30790.4/55

All: 14.528+/-0.056 χ^2/NDF: 54027.5/103



Right In: 0.191+/-0.193 χ^2/NDF: 3613.2/24

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.373+/-0.188 χ^2/NDF: 3064.1/30

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

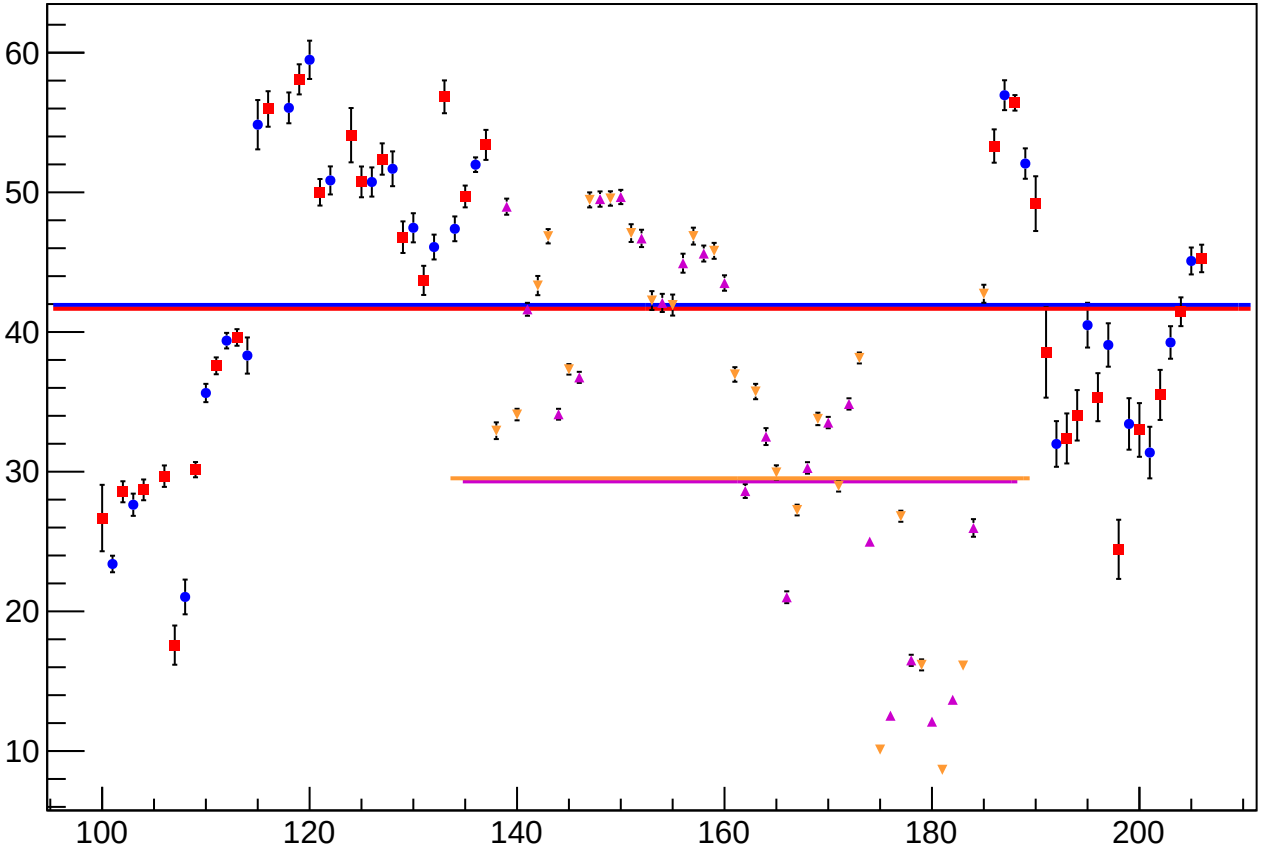
Right: -0.098+/-0.135 χ^2/NDF: 6681.8/55

In: 0.766+/-0.068 χ^2/NDF:9668.7/47

Out: 0.570+/-0.066 χ^2/NDF:11330.5/55

All: 0.665+/-0.047 χ^2/NDF: 21003.5/103

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.939+/-0.190 χ^2/NDF: 3147.1/24

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.663+/-0.176 χ^2/NDF: 3725.1/30

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

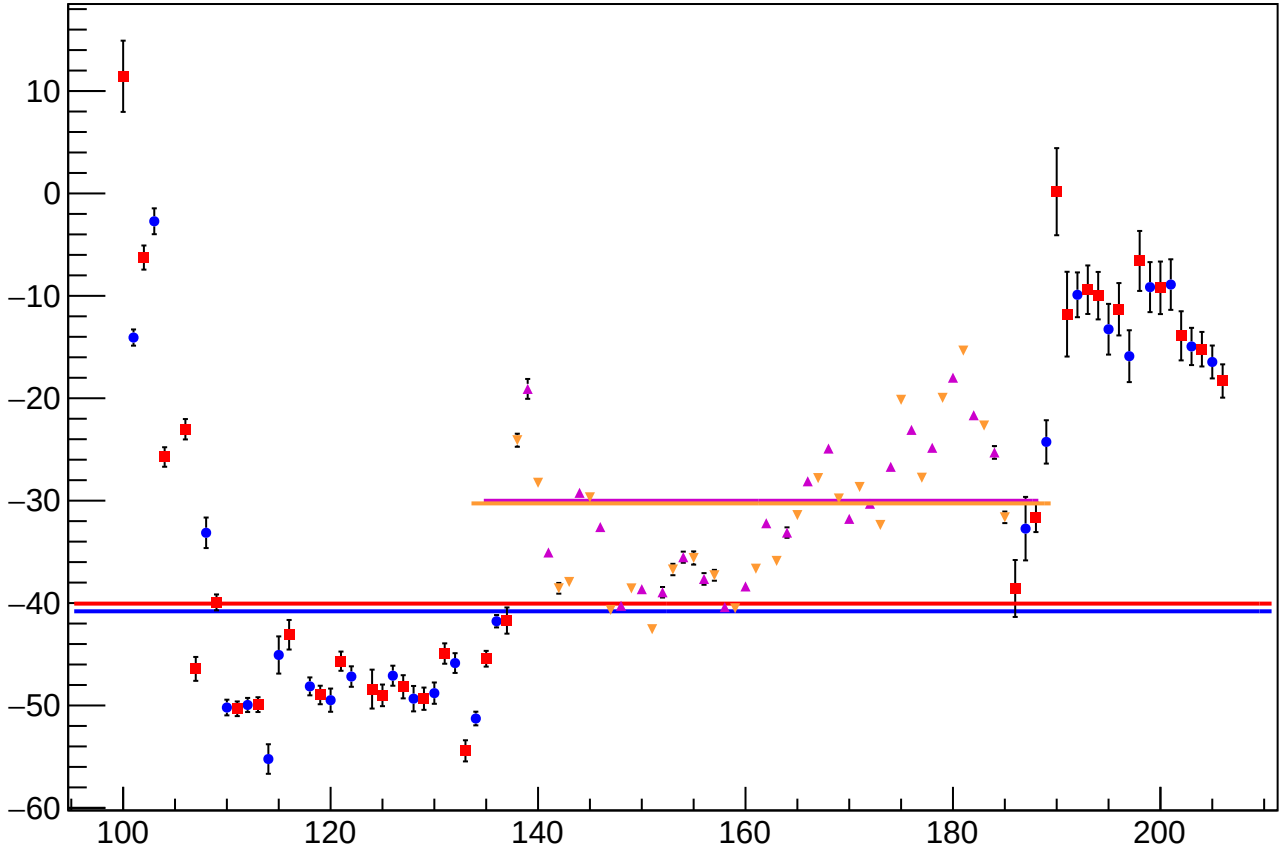
Right: 41.791+/-0.129 χ^2/NDF: 6873.4/55

In: 31.761+/-0.084 χ^2/NDF:24596.0/47

Out: 32.071+/-0.081 χ^2/NDF:28572.9/55

All: 31.921+/-0.058 χ^2/NDF: 53176.0/103

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.804+/-0.219 χ^2/NDF: 4357.4/24

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.053+/-0.216 χ^2/NDF: 4026.9/30

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

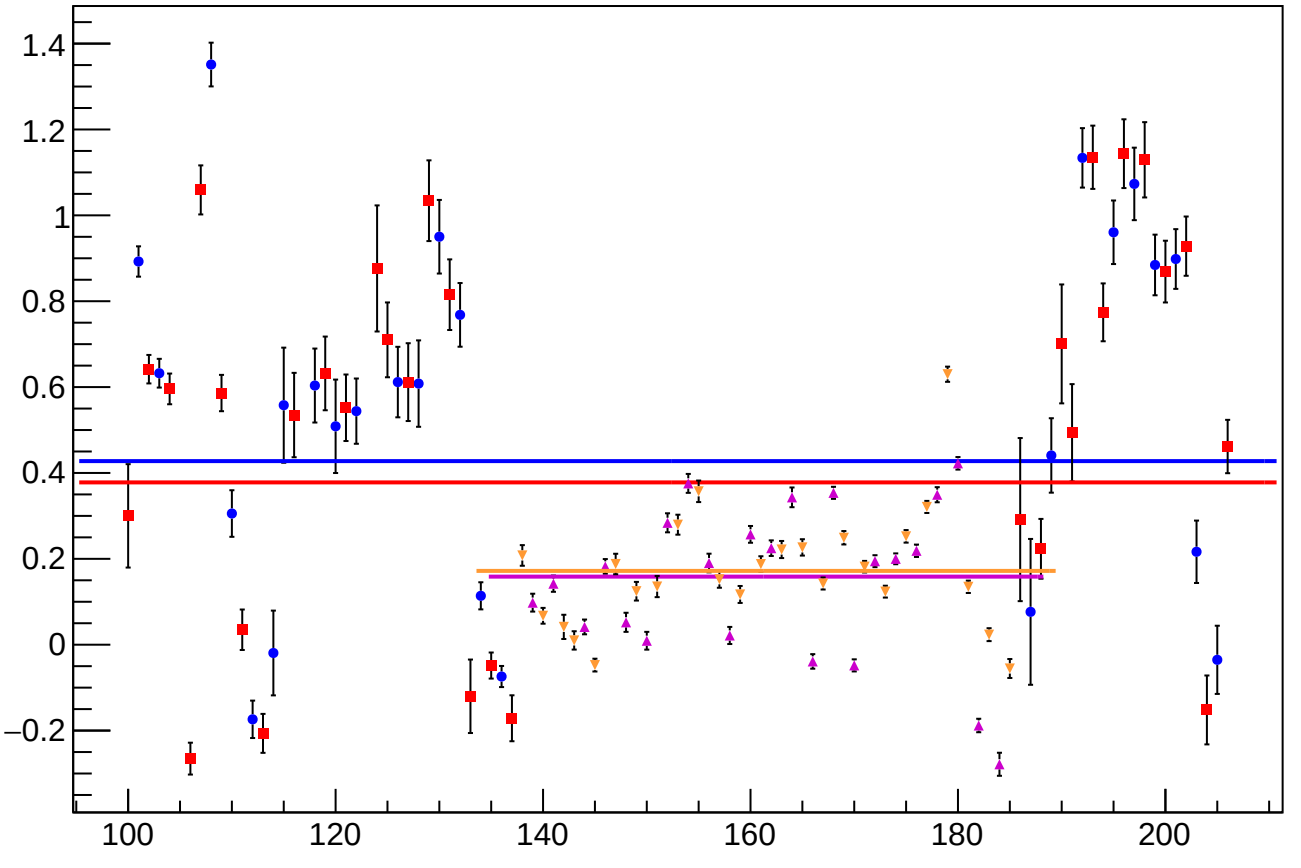
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -40.424+/-0.154 χ^2/NDF: 8390.3/55

In: -31.322+/-0.076 χ^2/NDF:12578.6/47

Out: -31.431+/-0.074 χ^2/NDF:14339.0/55

All: -31.378+/-0.053 χ^2/NDF: 26918.7/103



Right In: 0.428+/-0.011 χ^2/NDF: 1693.5/24

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.378+/-0.011 χ^2/NDF: 1721.6/30

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

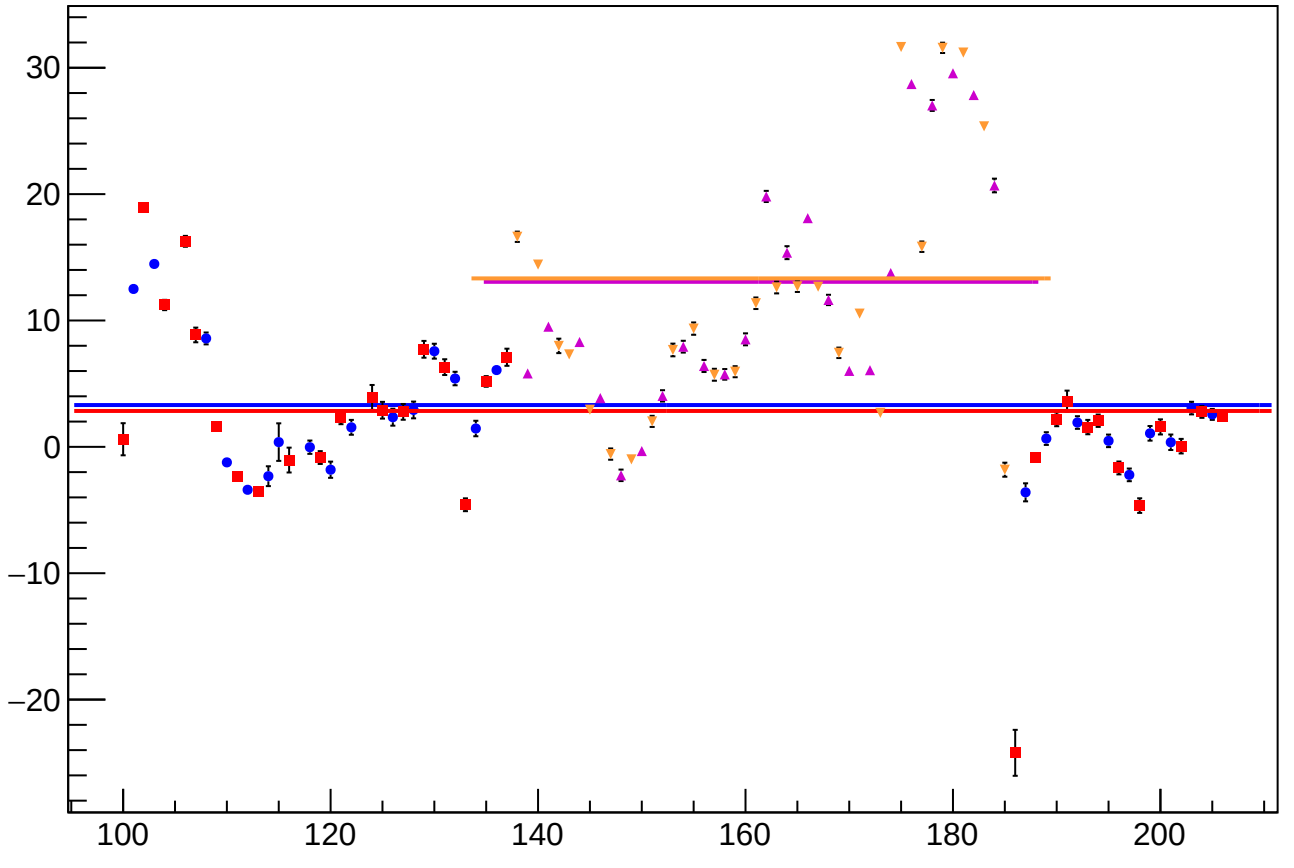
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

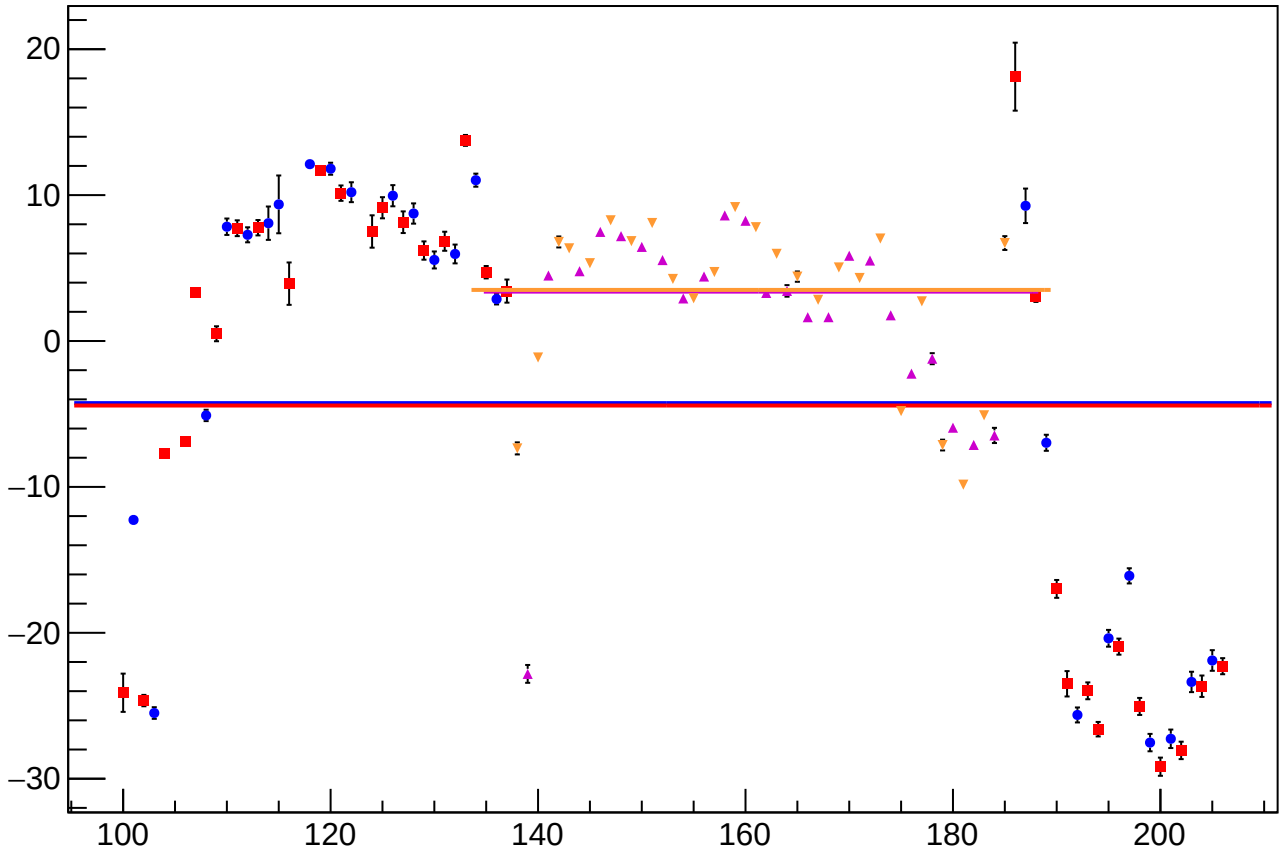
Right: 0.402+/-0.008 χ^2/NDF: 3425.5/55

In: 0.185+/-0.003 χ^2/NDF:4414.8/47

Out: 0.192+/-0.003 χ^2/NDF:3555.8/55

All: 0.189+/-0.002 χ^2/NDF: 7973.1/103


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 3.308+/-0.097 χ²/NDF: 3038.7/24
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 2.841+/-0.086 χ²/NDF: 5107.5/30
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
Left: 13.200+/-0.055 χ²/NDF: 34998.5/47
Right: 3.046+/-0.064 χ²/NDF: 8159.1/55
In: 9.159+/-0.061 χ²/NDF:24647.8/47
Out: 8.670+/-0.057 χ²/NDF:32834.5/55
All: 8.897+/-0.042 χ²/NDF: 57516.1/103



Right In: -4.258+/-0.101 χ^2/NDF: 19697.4/24

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.422+/-0.093 χ^2/NDF: 23776.8/30

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

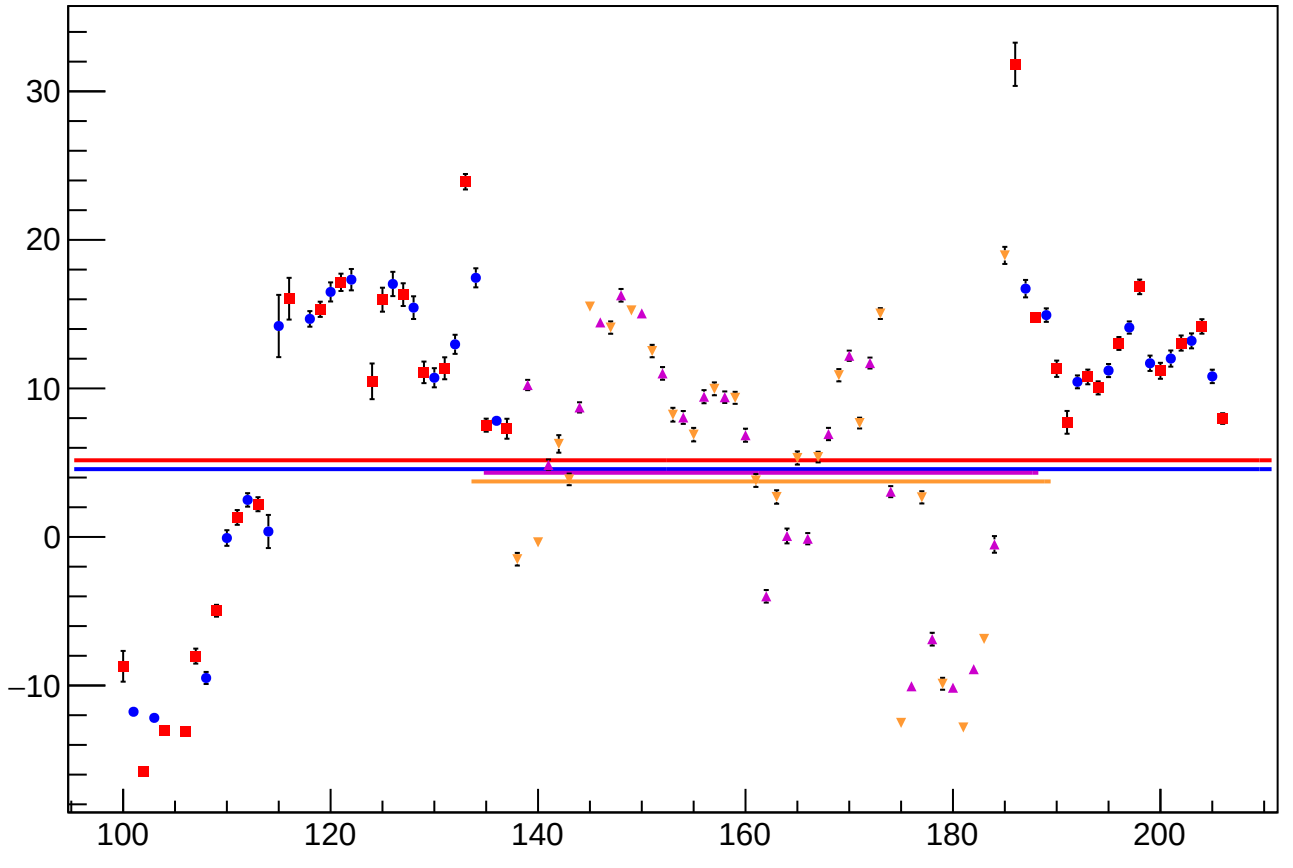
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -4.347+/-0.068 χ^2/NDF: 43475.6/55

In: 1.338+/-0.052 χ^2/NDF:30609.2/47

Out: 1.247+/-0.050 χ^2/NDF:36900.7/55

All: 1.290+/-0.036 χ^2/NDF: 67511.4/103



Right In: 4.565+/-0.095 χ^2/NDF: 13516.2/24

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.162+/-0.084 χ^2/NDF: 19978.0/30

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

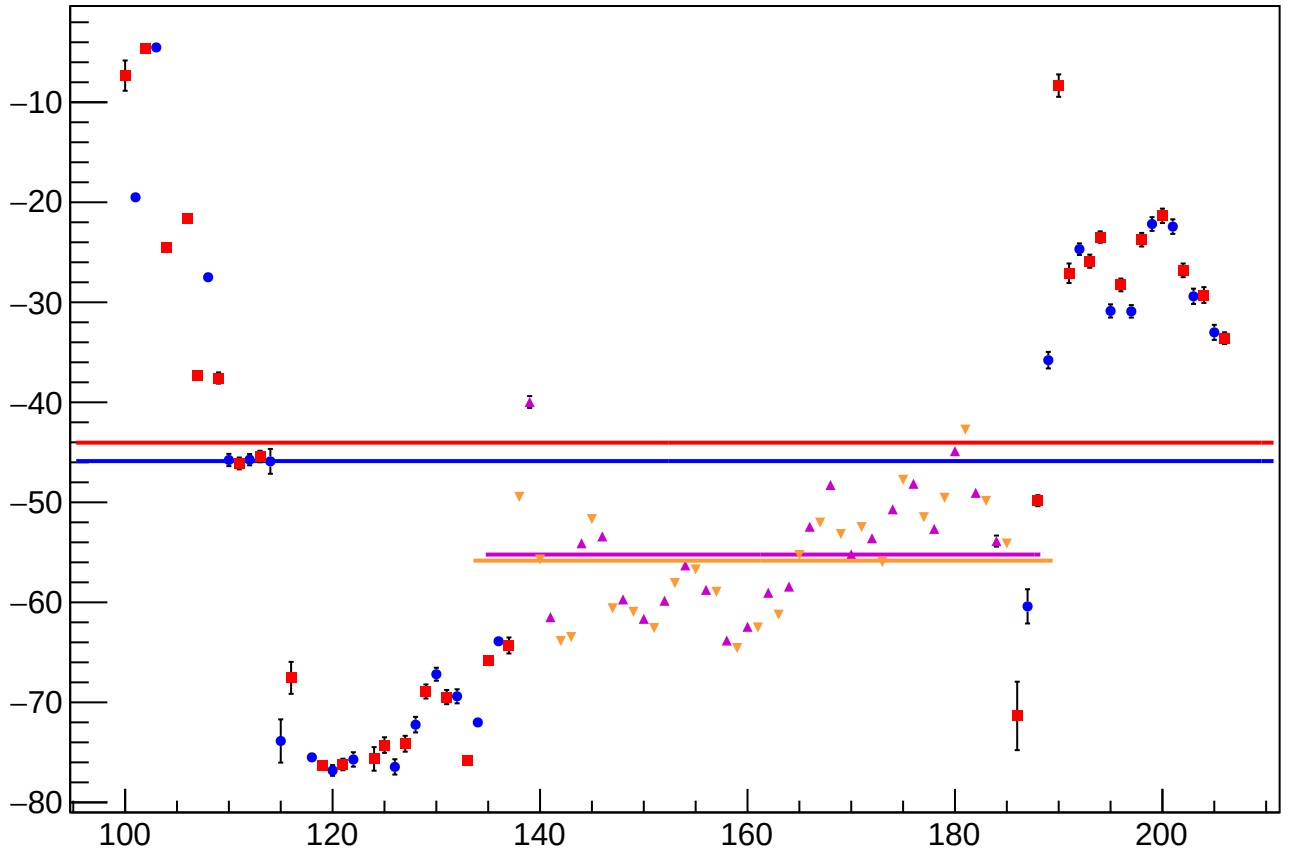
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.901+/-0.063 χ^2/NDF: 33516.3/55

In: 4.421+/-0.061 χ^2/NDF:26003.4/47

Out: 4.383+/-0.057 χ^2/NDF:35721.9/55

All: 4.400+/-0.041 χ^2/NDF: 61725.5/103



Right In: -45.876+/-0.118 χ^2/NDF: 40967.0/24

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.034+/-0.110 χ^2/NDF: 43340.3/30

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

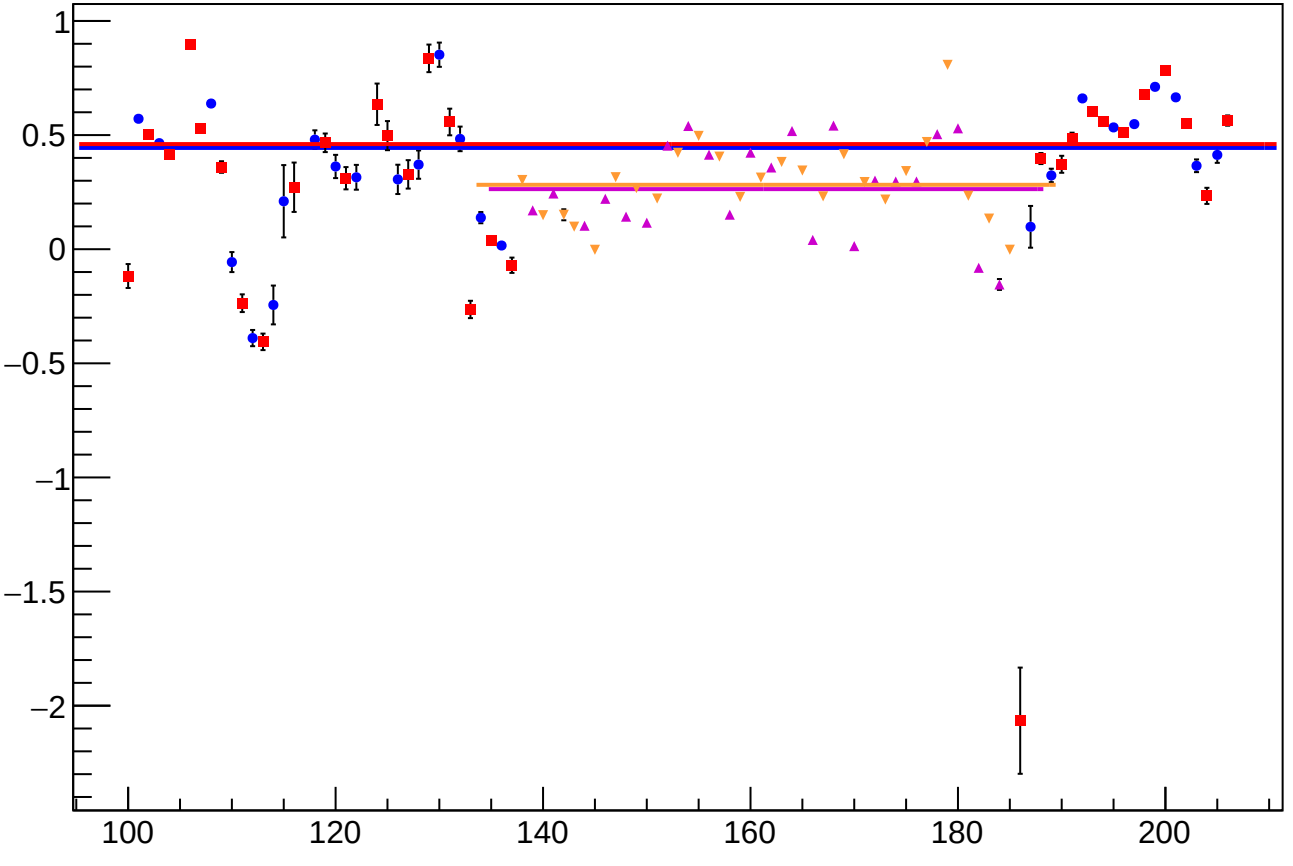
Right: -44.889+/-0.081 χ^2/NDF: 84437.1/55

In: -52.866+/-0.059 χ^2/NDF:51974.1/47

Out: -52.690+/-0.057 χ^2/NDF:59354.2/55

All: -52.774+/-0.041 χ^2/NDF: 111332.9/103

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.444+/-0.005 χ^2/NDF: 2556.1/24

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.461+/-0.004 χ^2/NDF: 3649.7/30

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

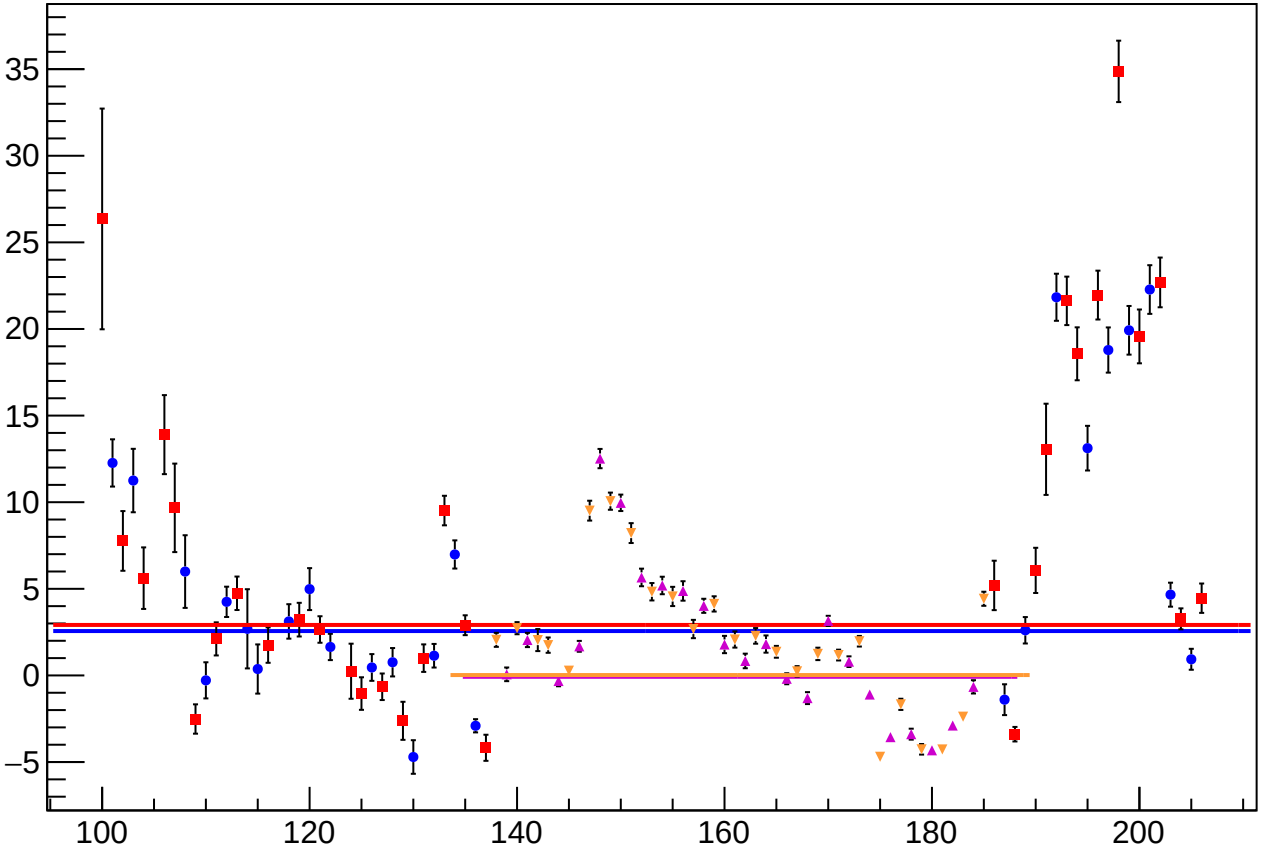
Right: 0.453+/-0.003 χ^2/NDF: 6212.2/55

In: 0.313+/-0.003 χ^2/NDF:7363.8/47

Out: 0.337+/-0.002 χ^2/NDF:7456.4/55

All: 0.325+/-0.002 χ^2/NDF: 14864.3/103

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.562+/-0.175 χ^2/NDF: 1211.6/24

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.914+/-0.172 χ^2/NDF: 1671.5/30

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

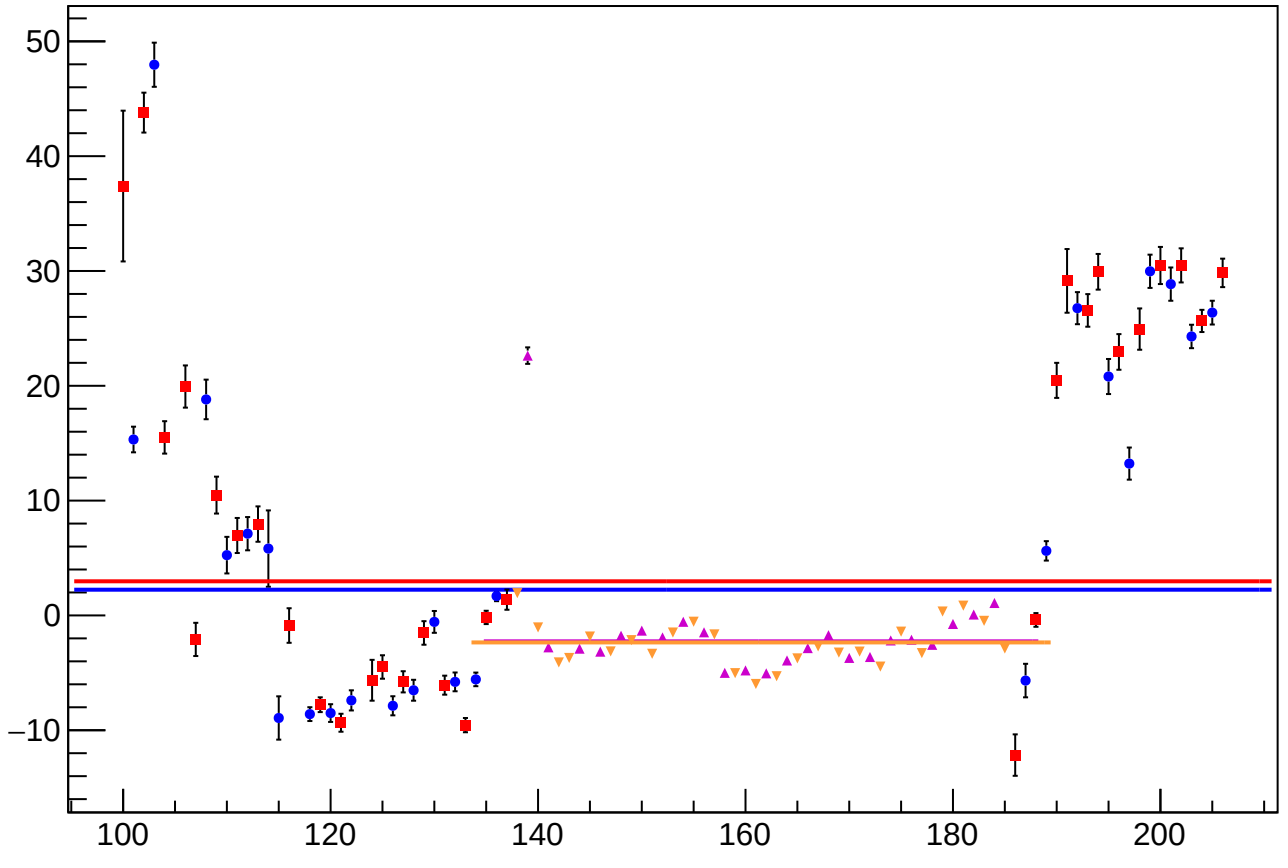
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.741+/-0.123 χ^2/NDF: 2885.1/55

In: 0.291+/-0.066 χ^2/NDF:3872.3/47

Out: 0.419+/-0.064 χ^2/NDF:4674.9/55

All: 0.357+/-0.046 χ^2/NDF: 8549.2/103



Right In: 2.240+/-0.190 χ^2/NDF: 4284.6/24

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.972+/-0.193 χ^2/NDF: 4941.0/30

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

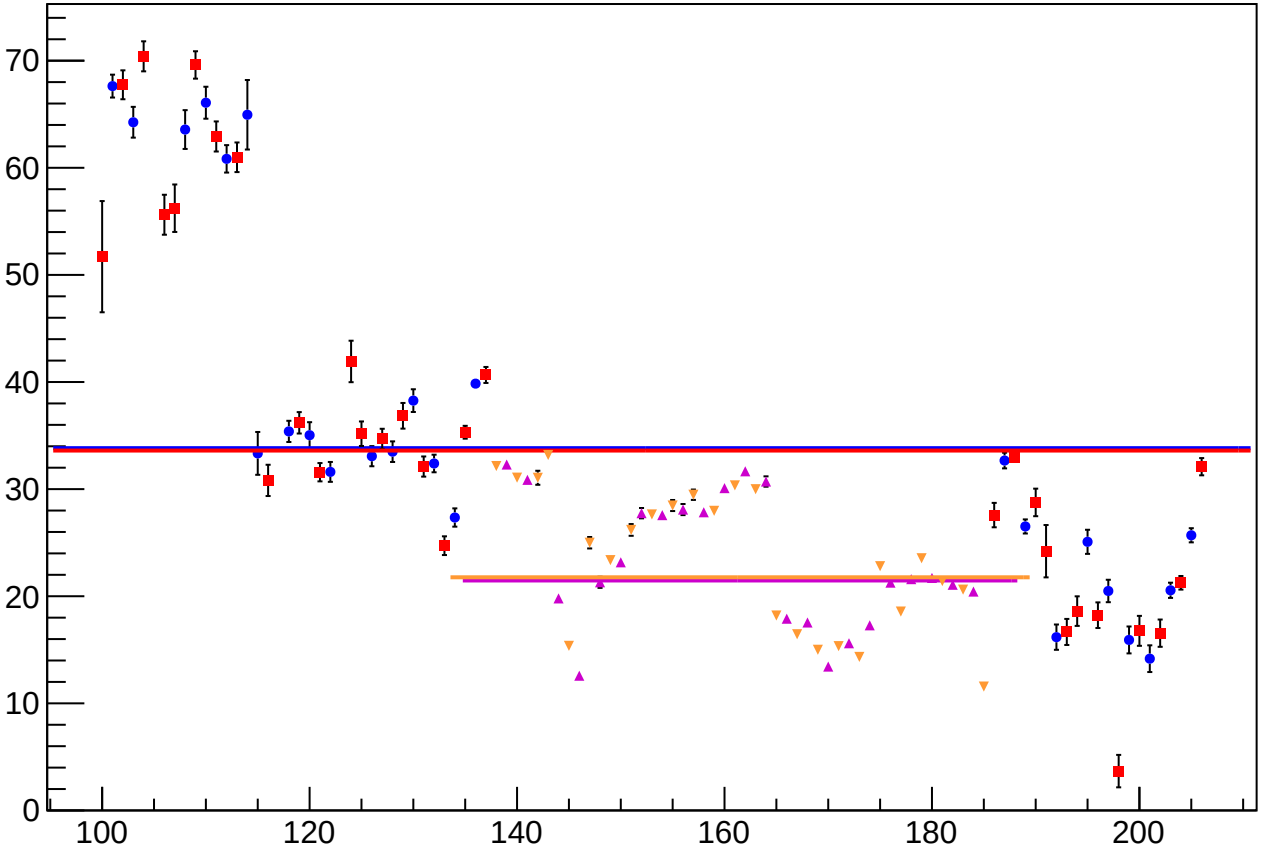
Right: 2.601+/-0.135 χ^2/NDF: 9232.9/55

In: -1.892+/-0.054 χ^2/NDF:6677.3/47

Out: -1.950+/-0.053 χ^2/NDF:6772.8/55

All: -1.922+/-0.038 χ^2/NDF: 13450.7/103

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.824+/-0.180 χ^2/NDF: 4580.7/24

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.602+/-0.172 χ^2/NDF: 5088.6/30

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

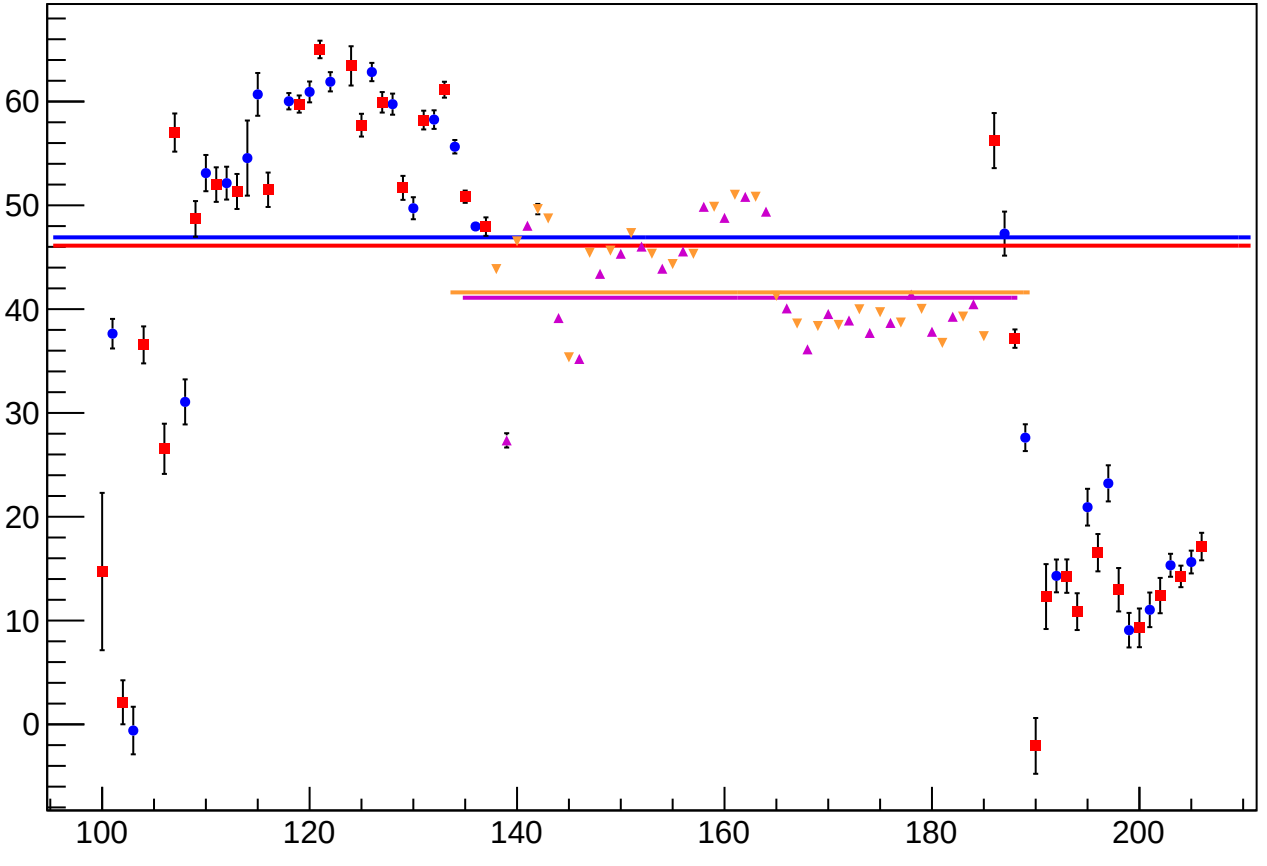
Right: 33.708+/-0.124 χ^2/NDF: 9670.1/55

In: 23.117+/-0.066 χ^2/NDF:14443.5/47

Out: 23.399+/-0.064 χ^2/NDF:15972.3/55

All: 23.262+/-0.046 χ^2/NDF: 30425.3/103

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.916+/-0.214 χ^2/NDF: 5830.4/24

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.116+/-0.222 χ^2/NDF: 6501.9/30

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

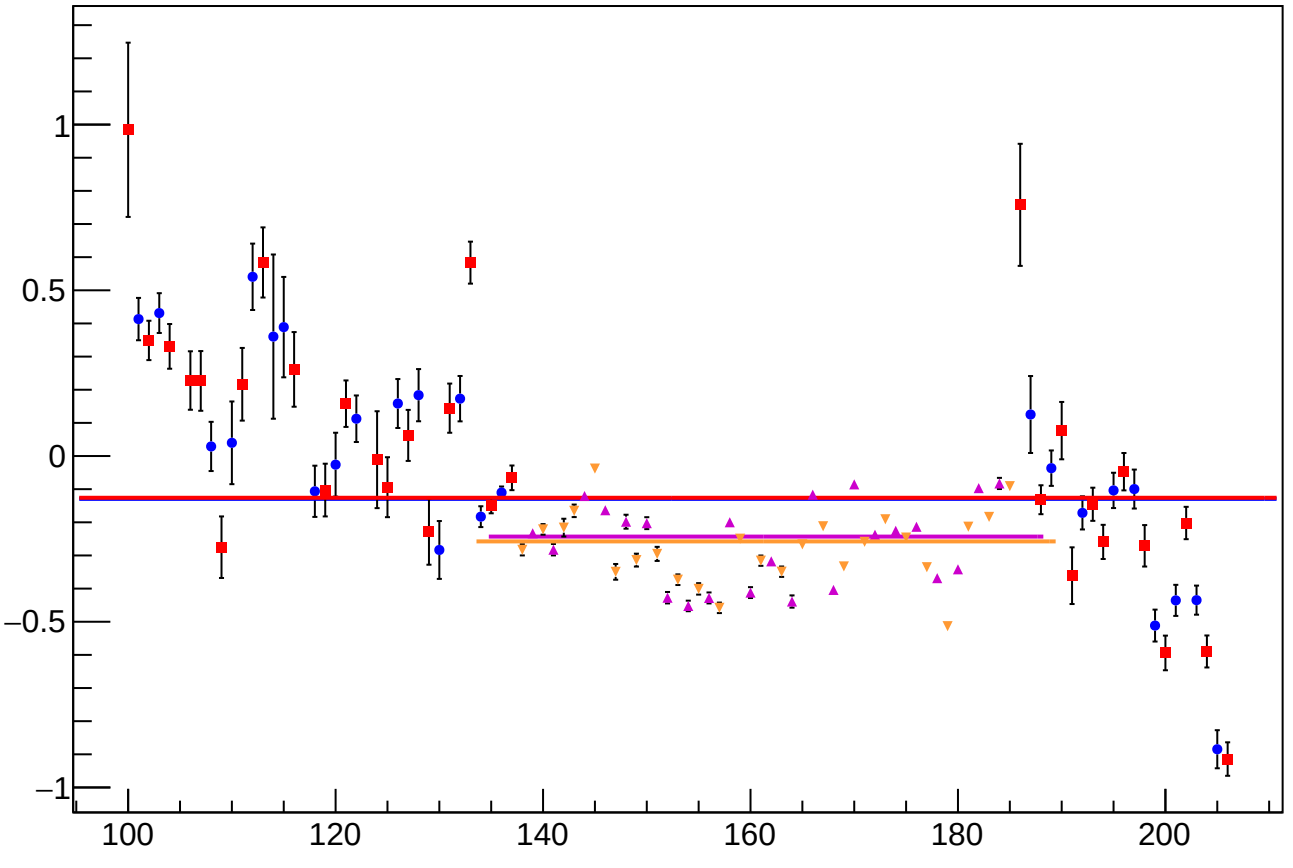
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 46.530+/-0.154 χ^2/NDF: 12339.0/55

In: 41.555+/-0.060 χ^2/NDF:11986.5/47

Out: 41.932+/-0.059 χ^2/NDF:12659.9/55

All: 41.747+/-0.042 χ^2/NDF: 24666.4/103



Right In: -0.129+/-0.010 χ^2/NDF: 632.7/24

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.126+/-0.011 χ^2/NDF: 863.6/30

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

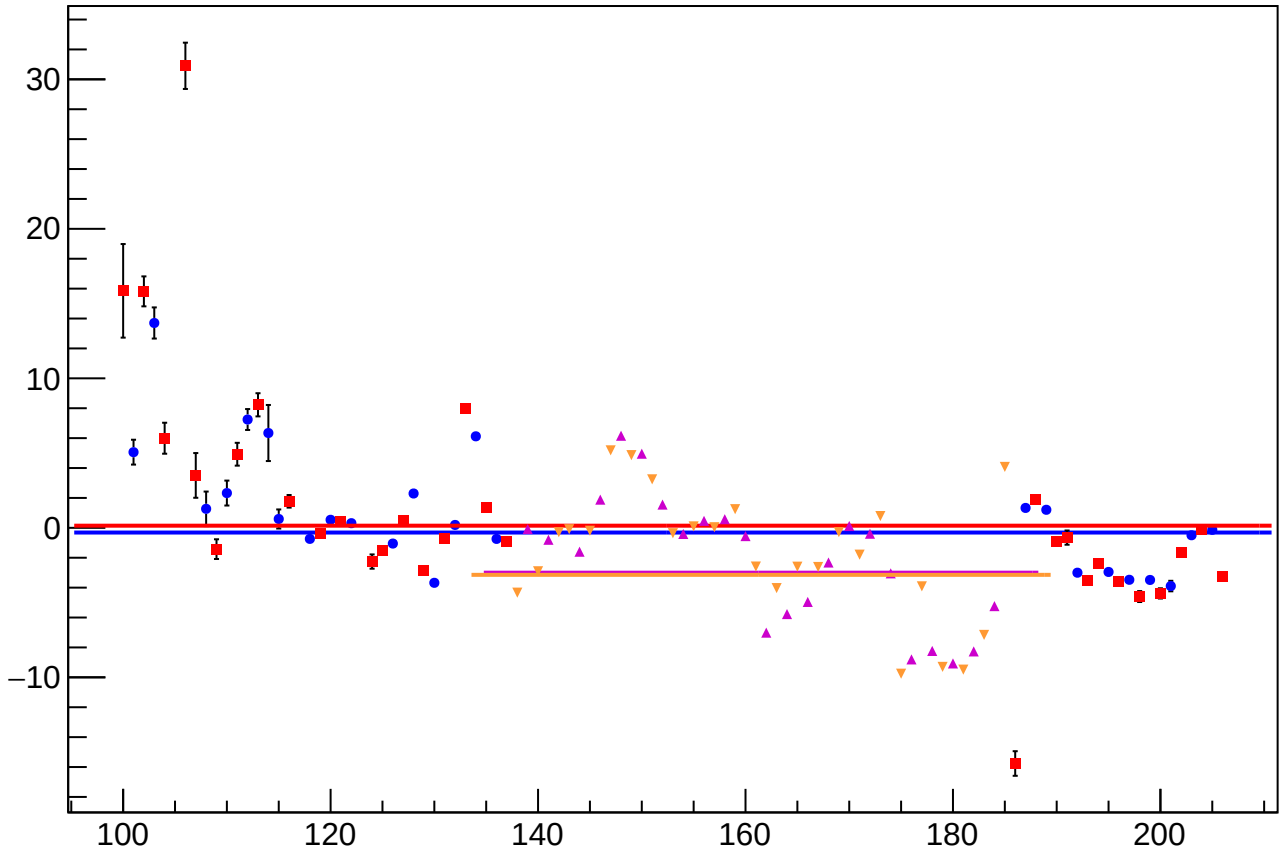
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.128+/-0.007 χ^2/NDF: 1496.3/55

In: -0.235+/-0.003 χ^2/NDF:2556.6/47

Out: -0.250+/-0.003 χ^2/NDF:2520.4/55

All: -0.243+/-0.002 χ^2/NDF: 5091.2/103



Right In: -0.315+/-0.056 χ^2/NDF: 1744.6/24

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.144+/-0.052 χ^2/NDF: 4411.0/30

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

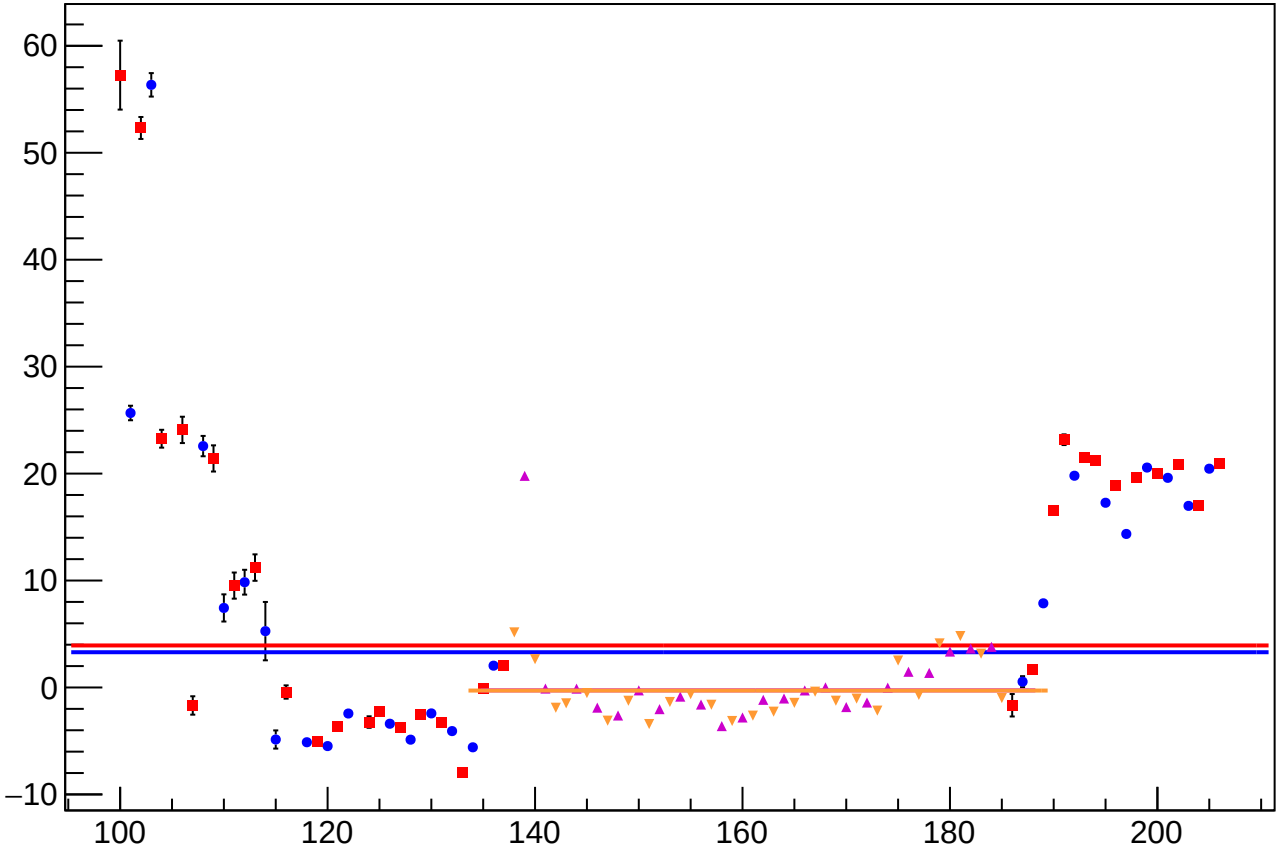
Right: -0.066+/-0.038 χ^2/NDF: 6191.7/55

In: -2.451+/-0.025 χ^2/NDF:25987.9/47

Out: -2.407+/-0.024 χ^2/NDF:32923.2/55

All: -2.428+/-0.018 χ^2/NDF: 58912.6/103

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.296+/-0.058 χ^2/NDF: 32143.6/24

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.930+/-0.055 χ^2/NDF: 43333.4/30

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

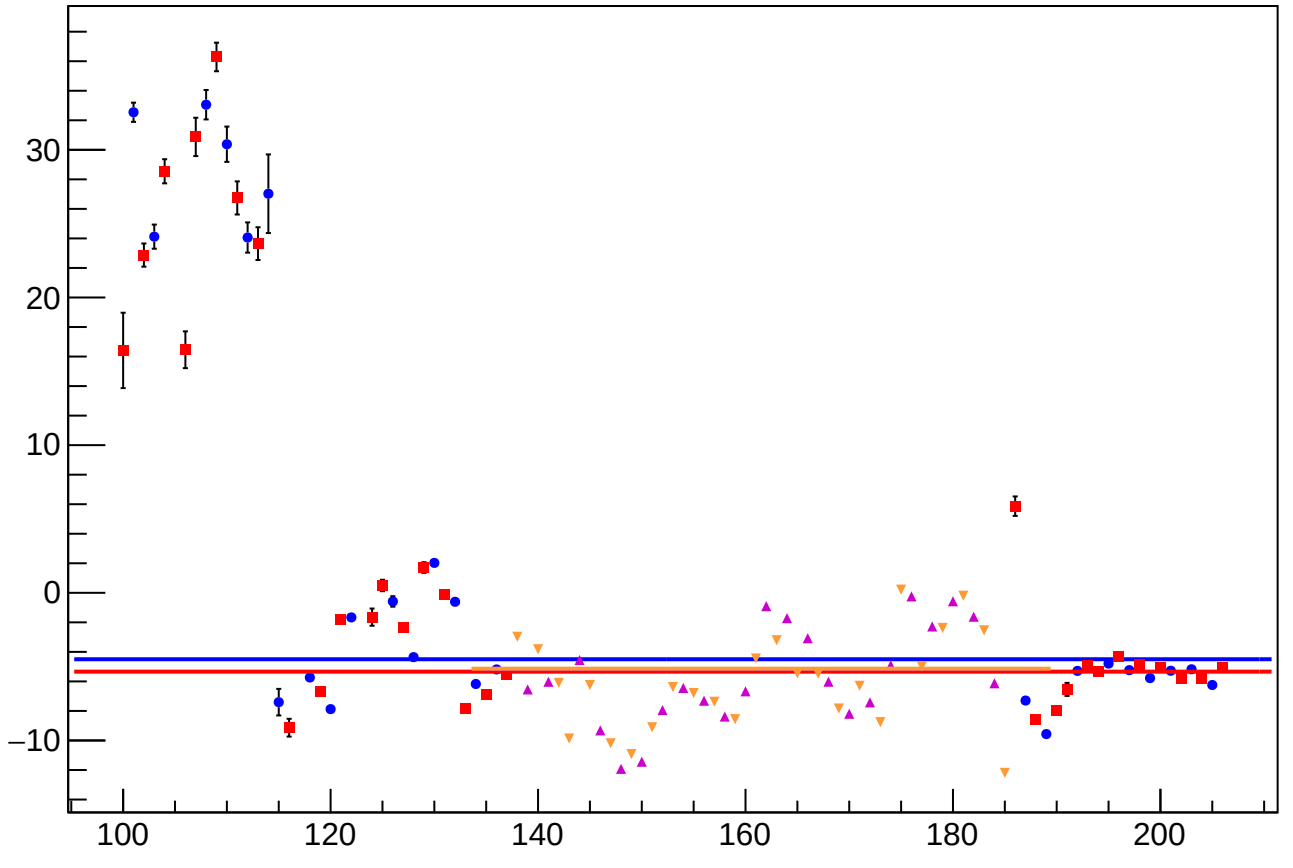
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 3.632+/-0.040 χ^2/NDF: 75539.3/55

In: 0.184+/-0.021 χ^2/NDF:48627.7/47

Out: 0.286+/-0.020 χ^2/NDF:60620.2/55

All: 0.236+/-0.015 χ^2/NDF: 109260.3/103



Right In: -4.499+/-0.056 χ^2/NDF: 9513.9/24

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.339+/-0.050 χ^2/NDF: 10493.7/30

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

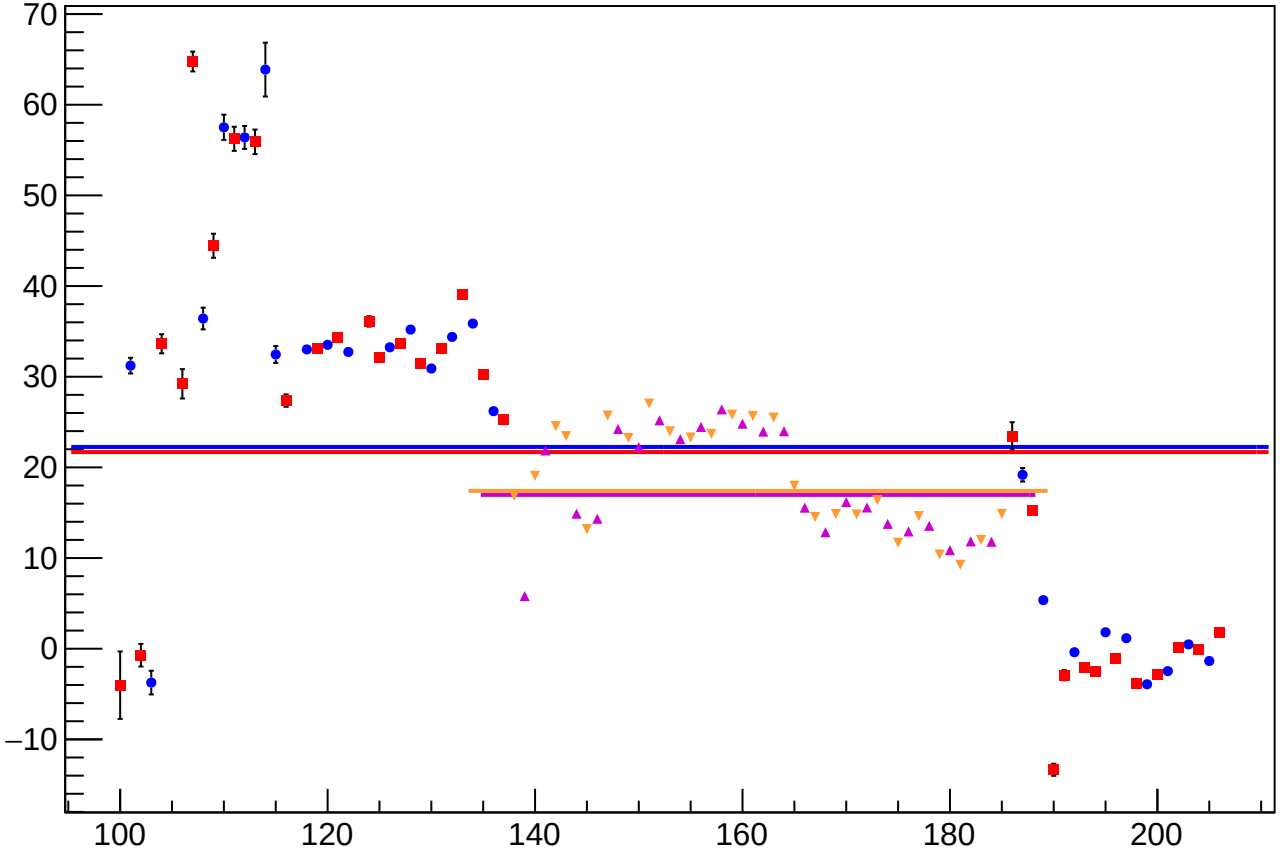
Right: -4.973+/-0.037 χ^2/NDF: 20133.0/55

In: -5.040+/-0.025 χ^2/NDF:23593.1/47

Out: -5.186+/-0.024 χ^2/NDF:25132.3/55

All: -5.116+/-0.018 χ^2/NDF: 48742.8/103

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.256+/-0.067 χ^2/NDF: 50840.7/24

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 21.690+/-0.064 χ^2/NDF: 67413.1/30

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

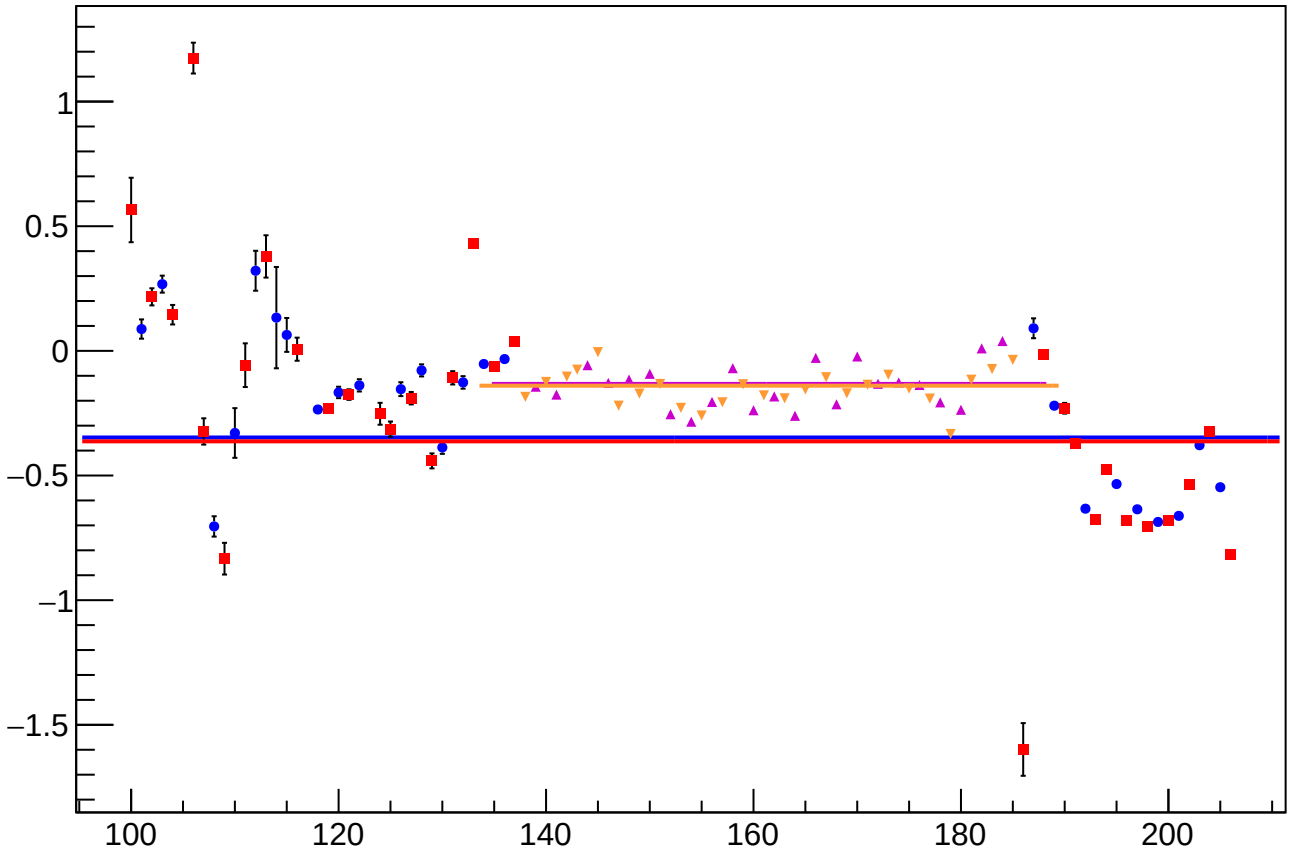
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 21.960+/-0.047 χ^2/NDF: 118290.6/55

In: 17.606+/-0.023 χ^2/NDF:96180.8/47

Out: 17.947+/-0.023 χ^2/NDF:121900.0/55

All: 17.781+/-0.016 χ^2/NDF: 218189.5/103



Right In: -0.347+/-0.003 χ^2/NDF: 7302.6/24

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.363+/-0.003 χ^2/NDF: 12738.9/30

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

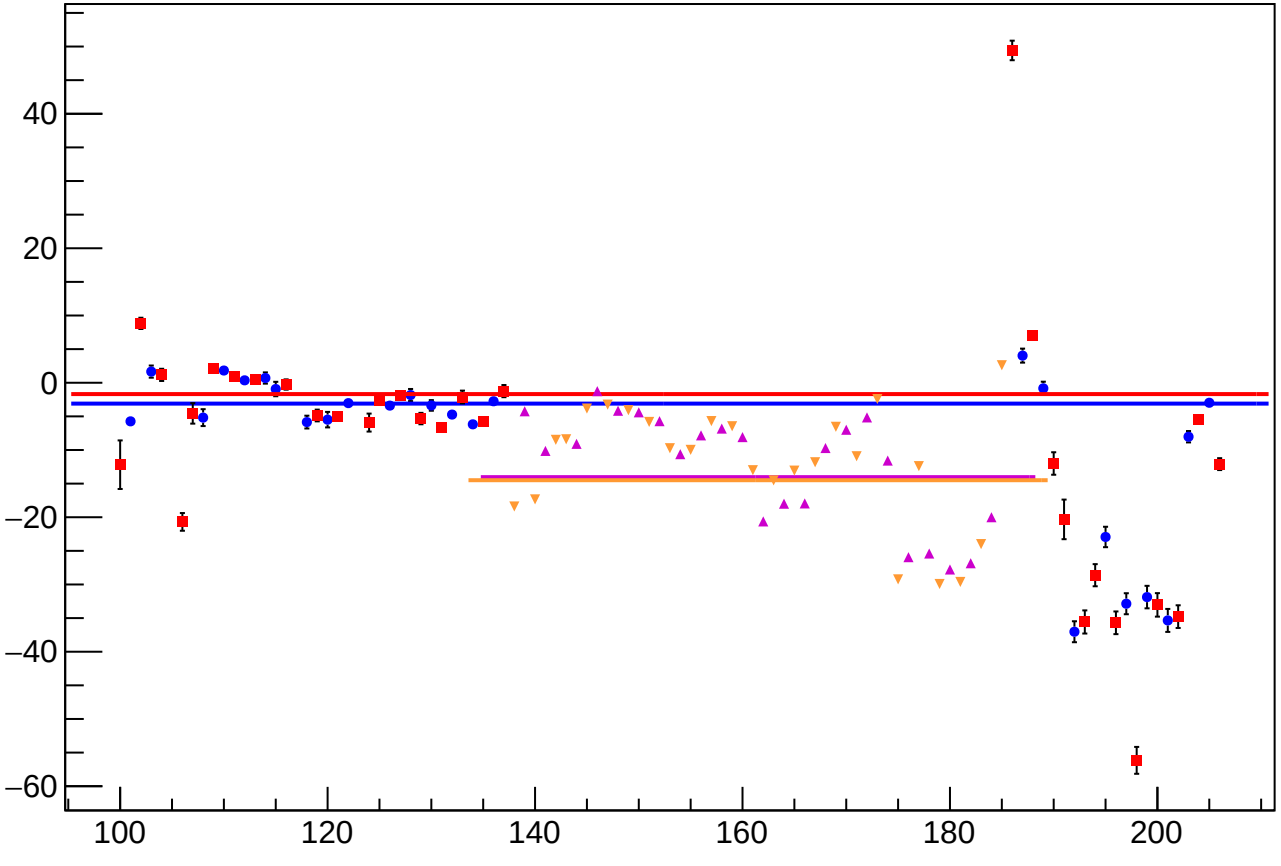
Right: -0.356+/-0.002 χ^2/NDF: 20054.5/55

In: -0.156+/-0.001 χ^2/NDF:16989.4/47

Out: -0.167+/-0.001 χ^2/NDF:21944.4/55

All: -0.162+/-0.001 χ^2/NDF: 38985.0/103

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.102+/-0.145 χ^2/NDF: 2113.4/24

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.685+/-0.135 χ^2/NDF: 5032.7/30

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

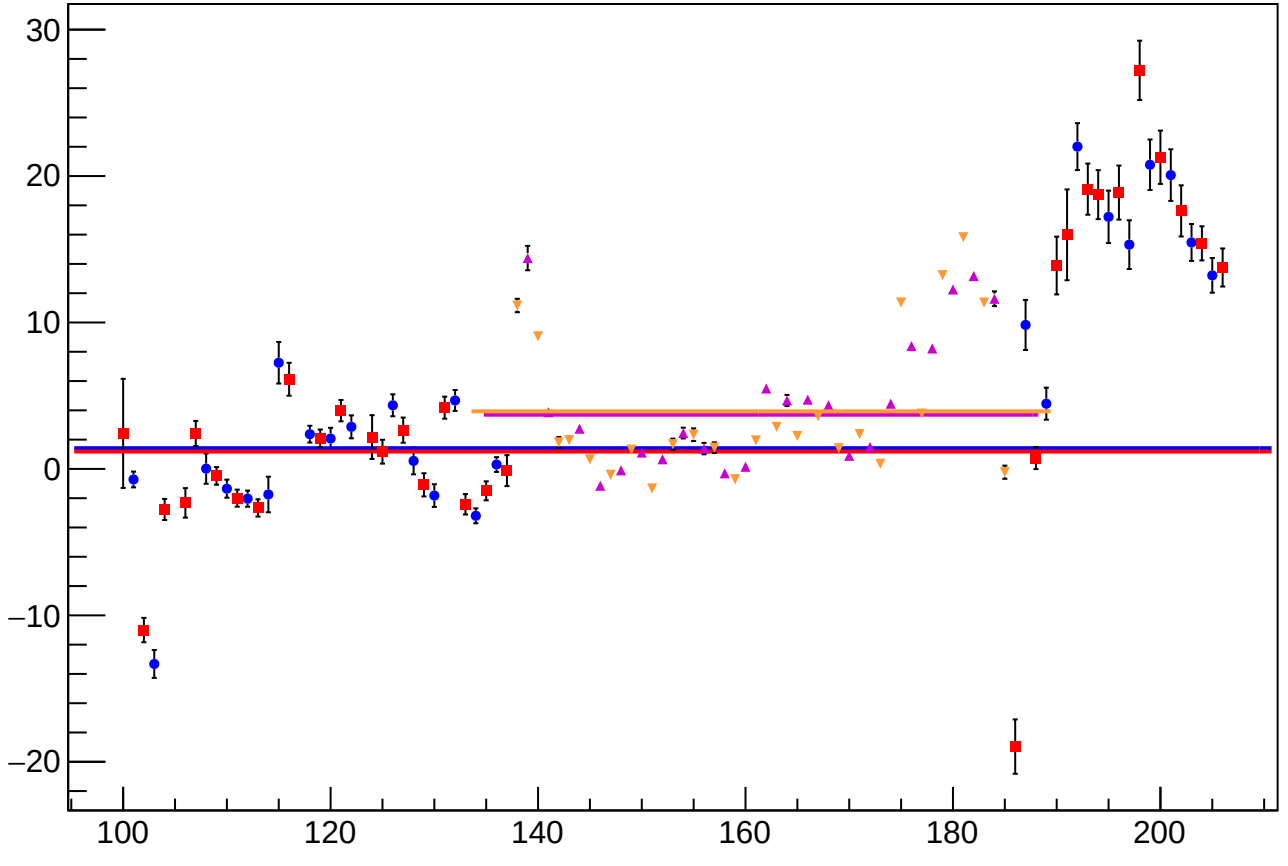
Right: -2.344+/-0.099 χ^2/NDF: 7197.6/55

In: -11.630+/-0.068 χ^2/NDF:20058.8/47

Out: -11.477+/-0.065 χ^2/NDF:29178.9/55

All: -11.551+/-0.047 χ^2/NDF: 49240.3/103

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.416+/-0.163 χ^2/NDF: 1293.2/24

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.186+/-0.163 χ^2/NDF: 1555.3/30

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

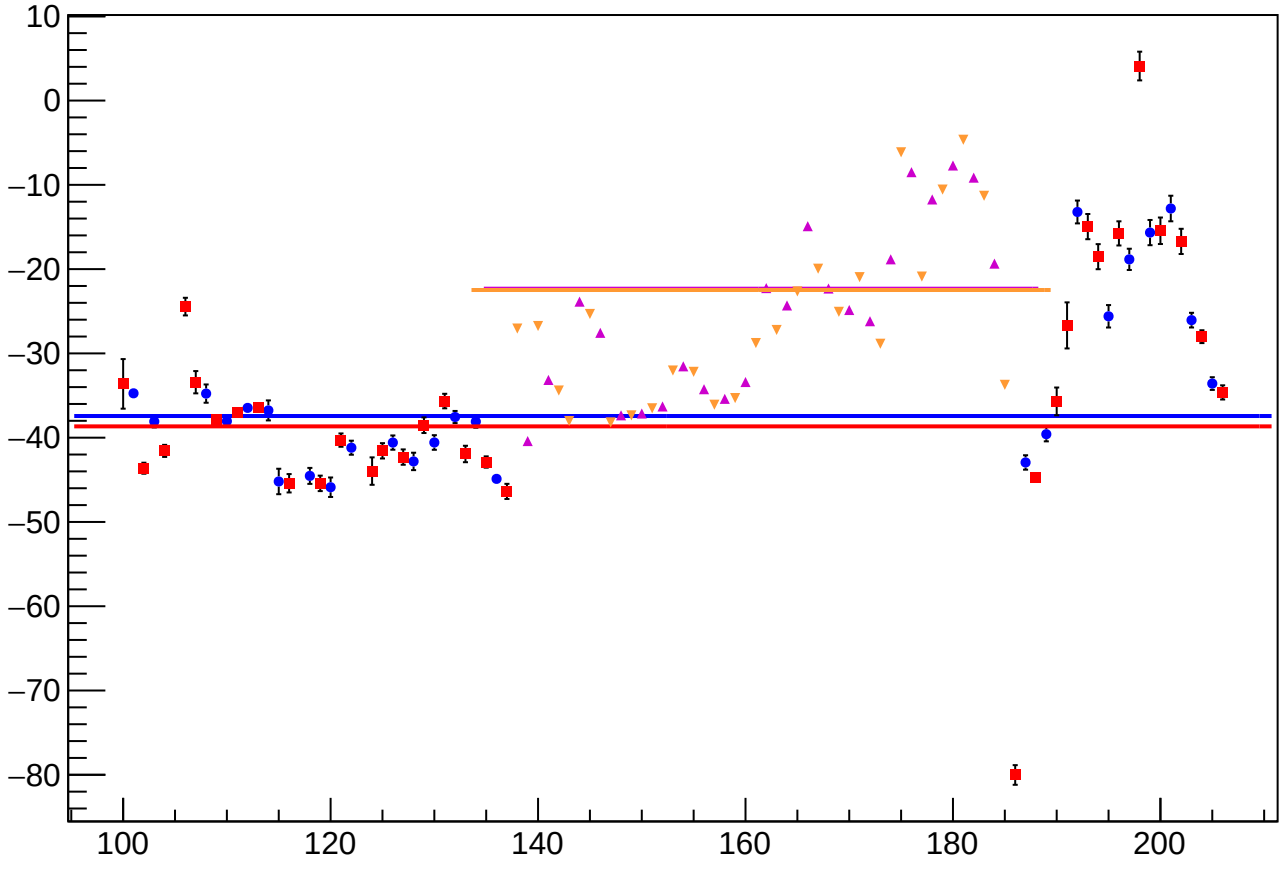
Right: 1.302+/-0.115 χ^2/NDF: 2849.5/55

In: 3.436+/-0.056 χ^2/NDF:6255.6/47

Out: 3.626+/-0.055 χ^2/NDF:8785.3/55

All: 3.533+/-0.039 χ^2/NDF: 15046.8/103

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.430+/-0.160 χ^2/NDF: 1874.1/24

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.659+/-0.153 χ^2/NDF: 4034.0/30

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

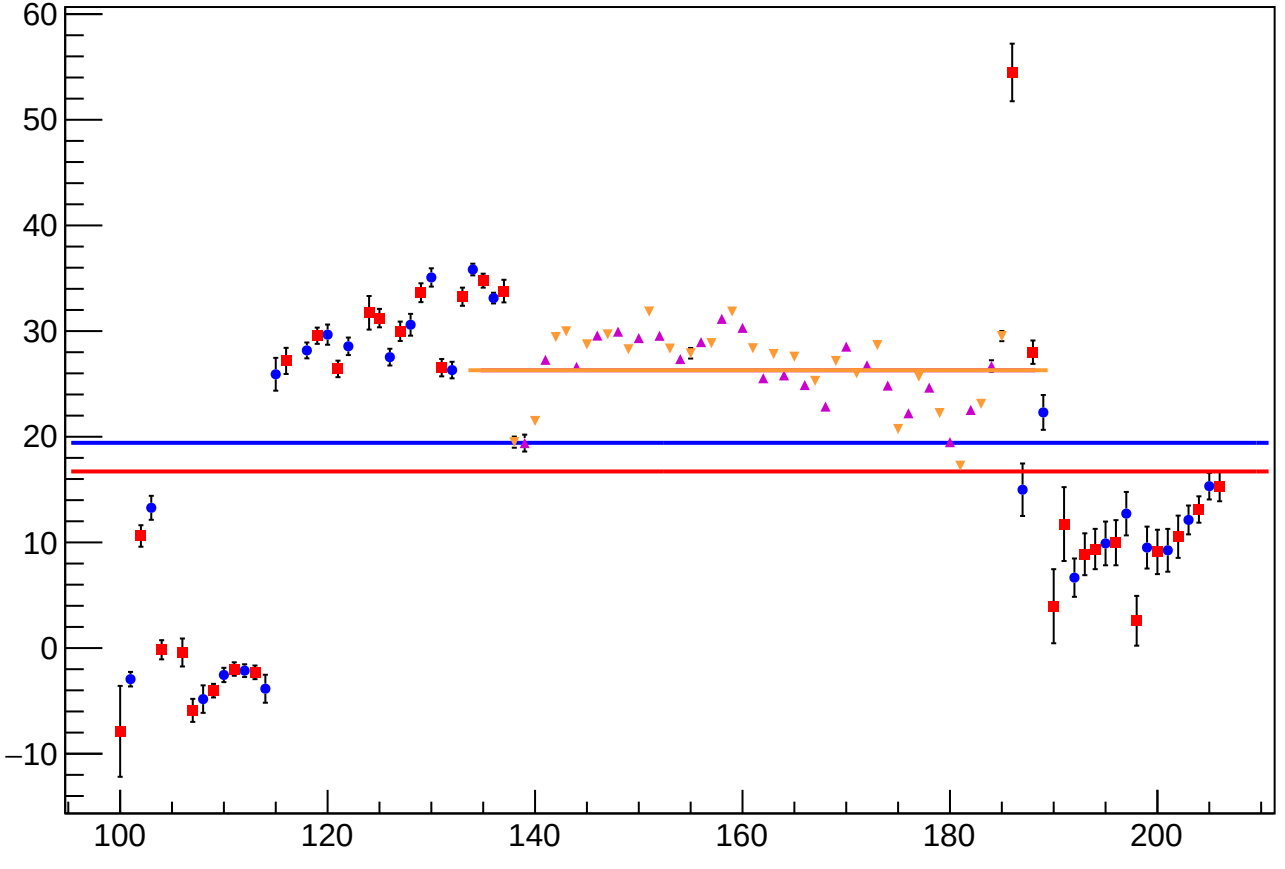
Right: -38.072+/-0.110 χ^2/NDF: 5939.0/55

In: -25.148+/-0.069 χ^2/NDF:26287.3/47

Out: -25.611+/-0.067 χ^2/NDF:33515.5/55

All: -25.385+/-0.048 χ^2/NDF: 59825.8/103

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.425+/-0.185 χ^2/NDF: 6875.0/24

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.715+/-0.186 χ^2/NDF: 7158.9/30

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

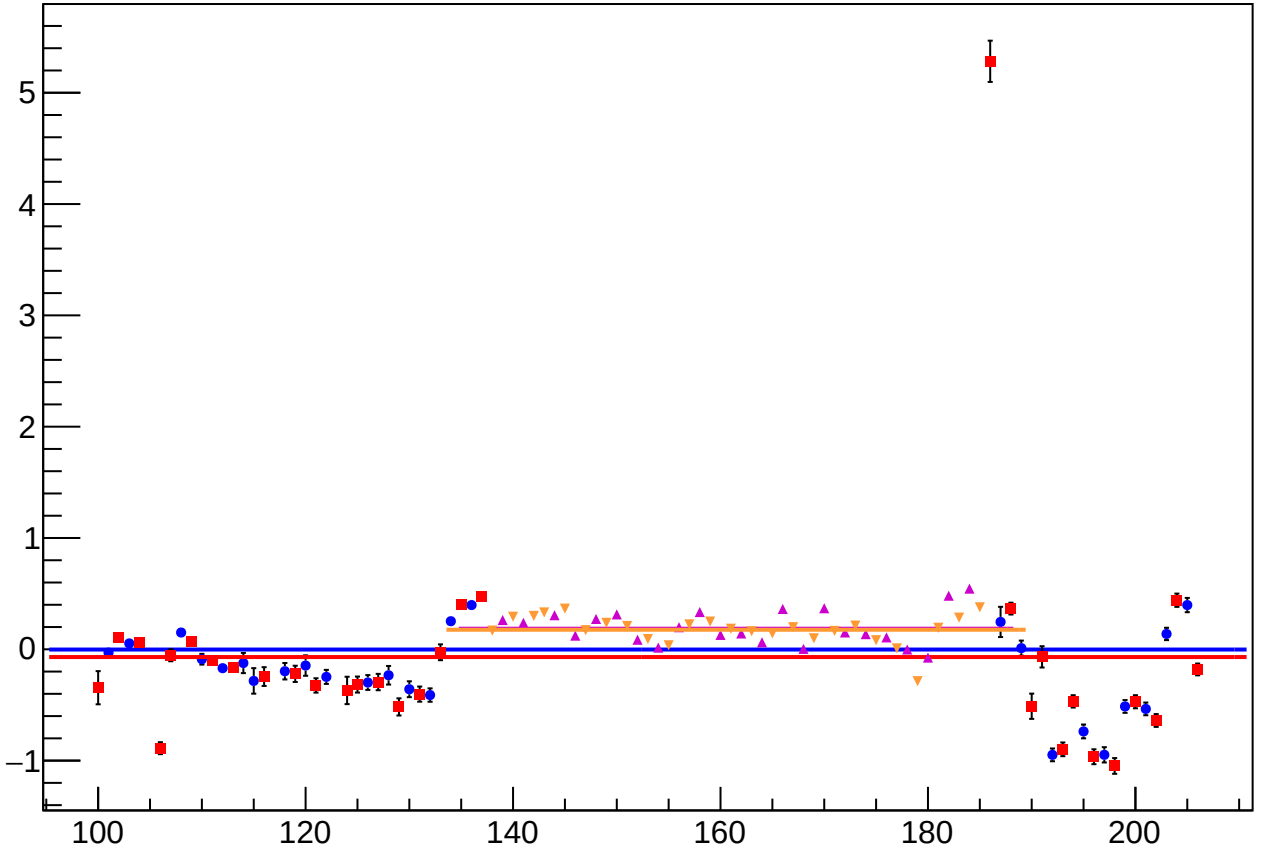
Right: 18.084+/-0.131 χ^2/NDF: 14140.6/55

In: 25.500+/-0.063 χ^2/NDF:10285.2/47

Out: 25.256+/-0.061 χ^2/NDF:12819.6/55

All: 25.376+/-0.044 χ^2/NDF: 23112.6/103

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 1457.8/24

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.070+/-0.010 χ^2/NDF: 2629.2/30

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

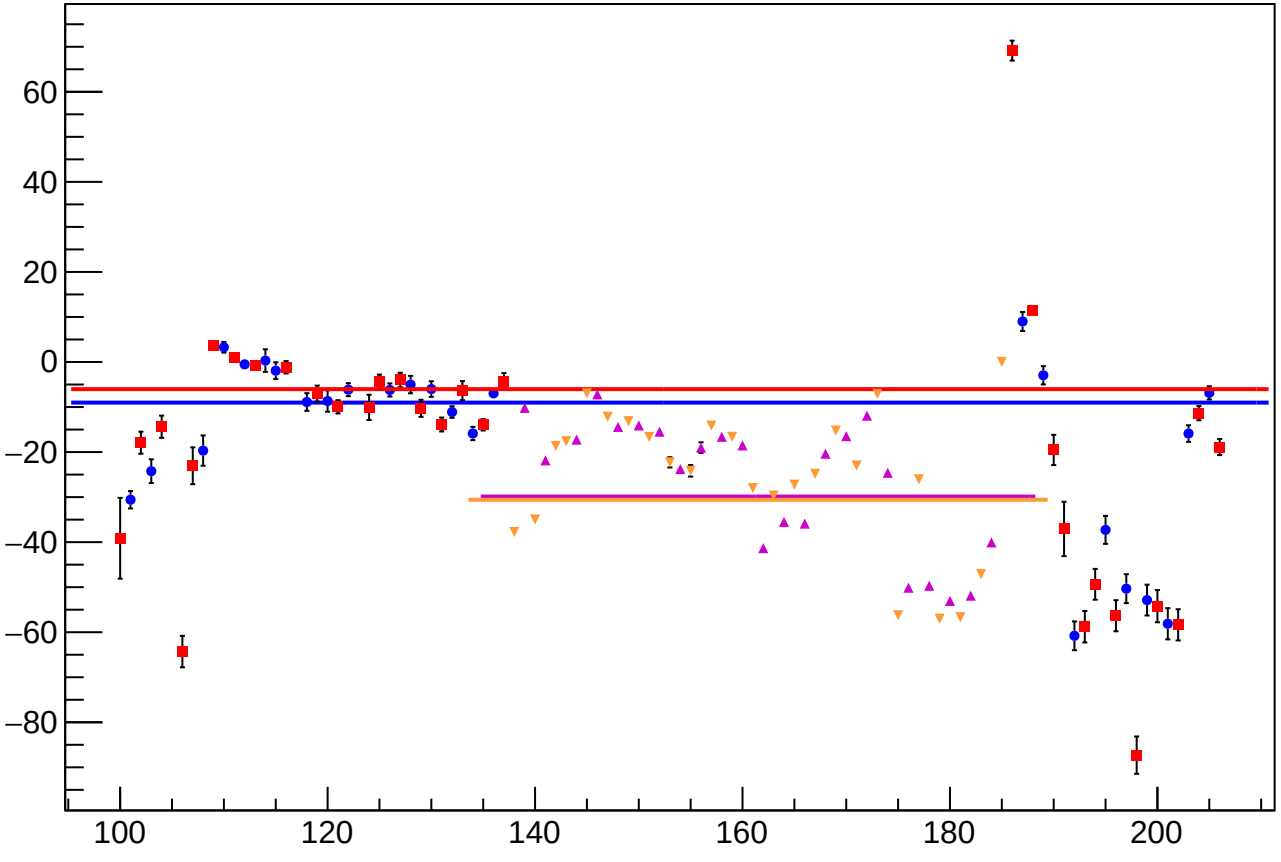
Right: -0.035+/-0.007 χ^2/NDF: 4112.7/55

In: 0.168+/-0.003 χ^2/NDF:4360.4/47

Out: 0.155+/-0.003 χ^2/NDF:5172.2/55

All: 0.161+/-0.002 χ^2/NDF: 9543.7/103

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.013+/-0.337 χ^2/NDF: 1396.8/24

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.025+/-0.322 χ^2/NDF: 3505.9/30

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

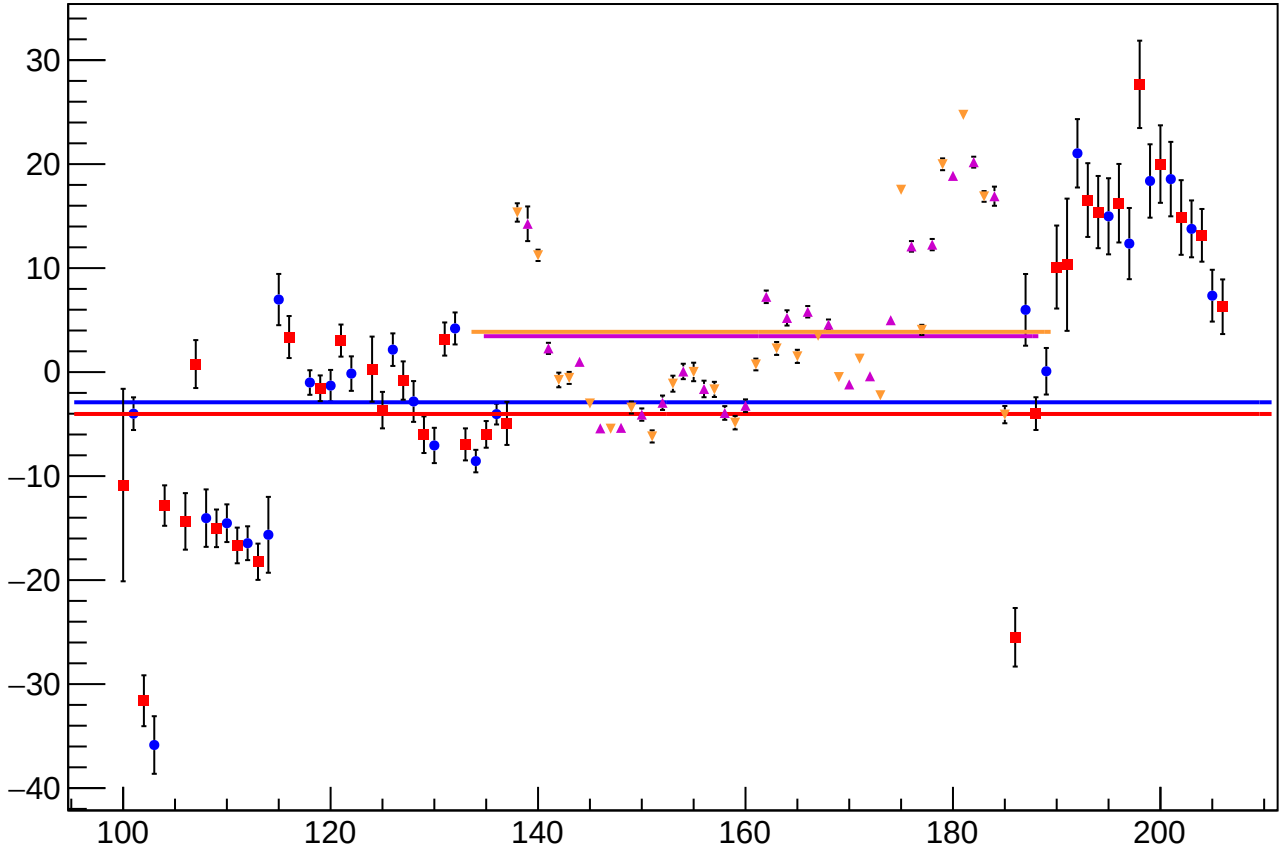
Right: -7.448+/-0.233 χ^2/NDF: 4943.8/55

In: -26.580+/-0.134 χ^2/NDF:16649.9/47

Out: -26.577+/-0.130 χ^2/NDF:24427.6/55

All: -26.579+/-0.093 χ^2/NDF: 41077.4/103

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901+/-0.368 χ^2/NDF: 601.7/24

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.026+/-0.375 χ^2/NDF: 752.7/30

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

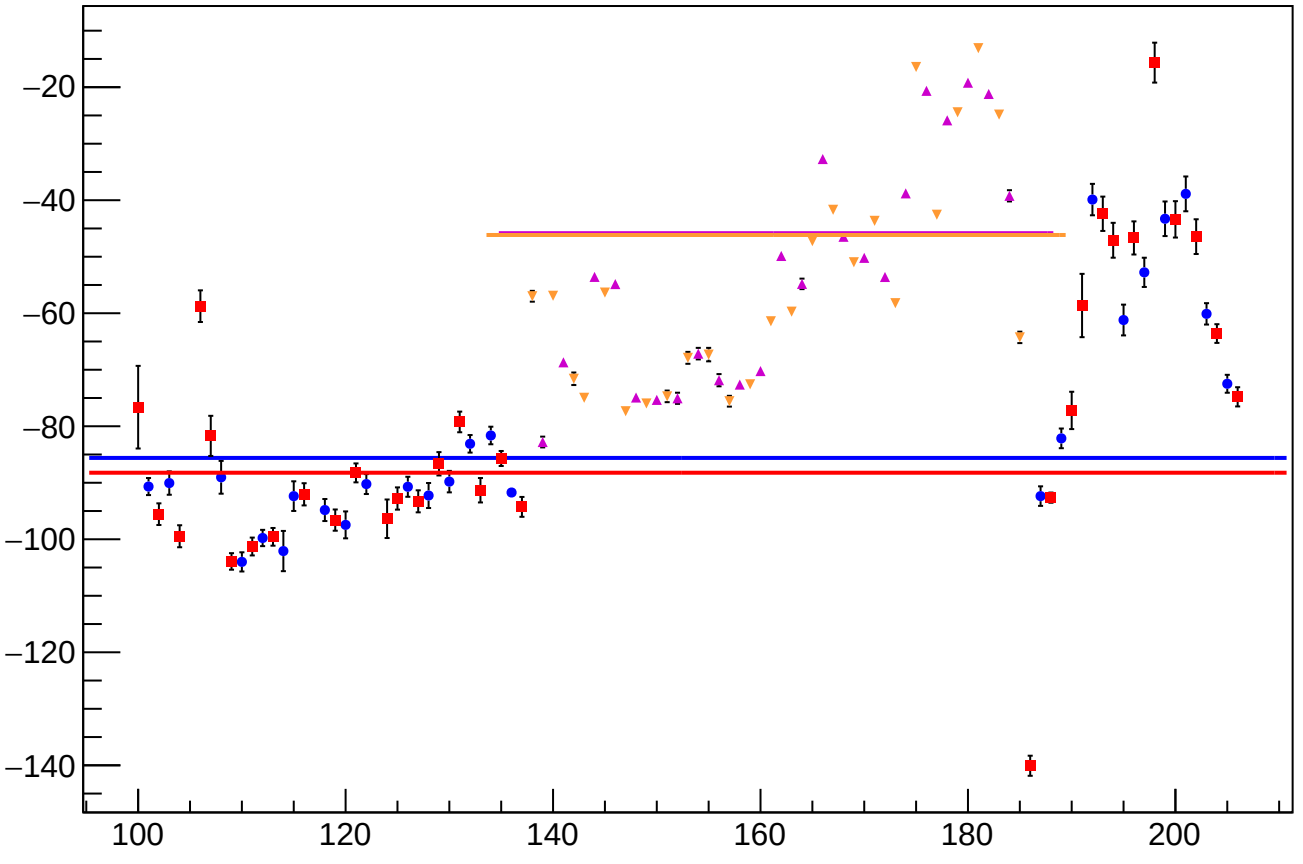
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -3.453+/-0.263 χ^2/NDF: 1358.9/55

In: 2.899+/-0.109 χ^2/NDF:5567.7/47

Out: 3.234+/-0.107 χ^2/NDF:7703.0/55

All: 3.070+/-0.076 χ^2/NDF: 13275.5/103



Right In: -85.604+/-0.364 χ^2/NDF: 1597.0/24

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.224+/-0.350 χ^2/NDF: 3089.5/30

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

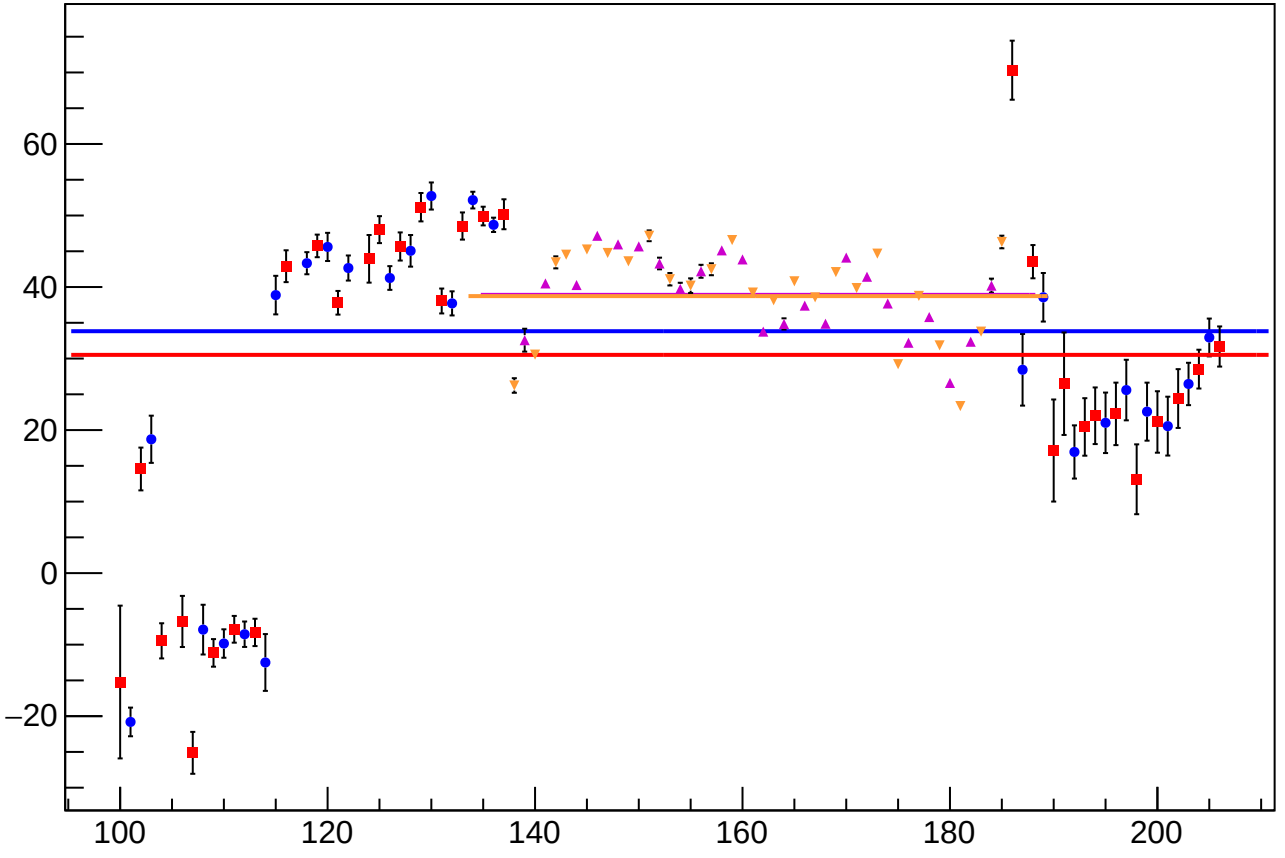
Right: -86.969+/-0.252 χ^2/NDF: 4713.4/55

In: -51.333+/-0.136 χ^2/NDF:29781.5/47

Out: -52.143+/-0.132 χ^2/NDF:36972.2/55

All: -51.749+/-0.095 χ^2/NDF: 66772.0/103

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.824+/-0.415 χ^2/NDF: 2874.4/24

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.515+/-0.428 χ^2/NDF: 3074.5/30

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

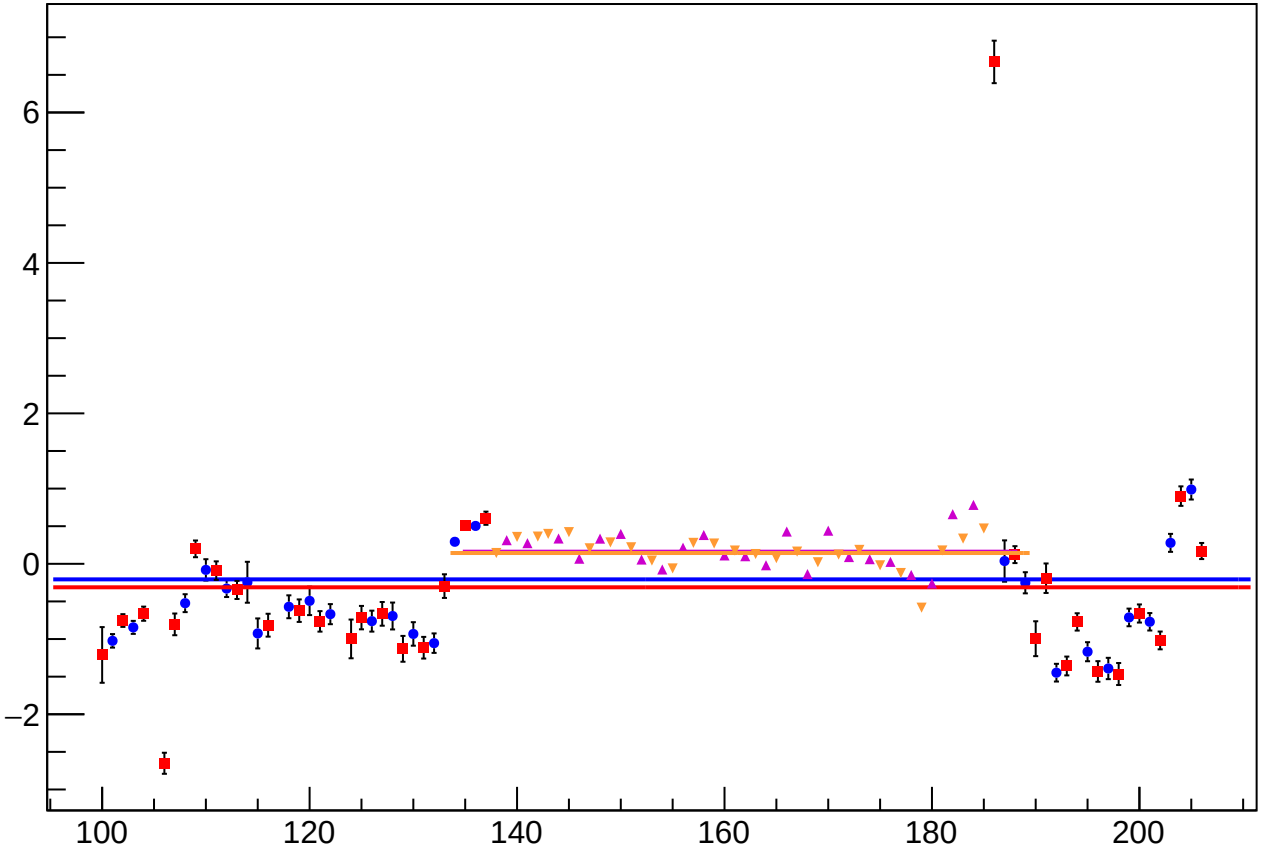
Right: 32.221+/-0.298 χ^2/NDF: 5979.7/55

In: 38.467+/-0.122 χ^2/NDF:4983.0/47

Out: 38.089+/-0.120 χ^2/NDF:6196.0/55

All: 38.274+/-0.085 χ^2/NDF: 11183.9/103

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.207+/-0.021 χ^2/NDF: 1029.9/24

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.312+/-0.022 χ^2/NDF: 1827.2/30

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

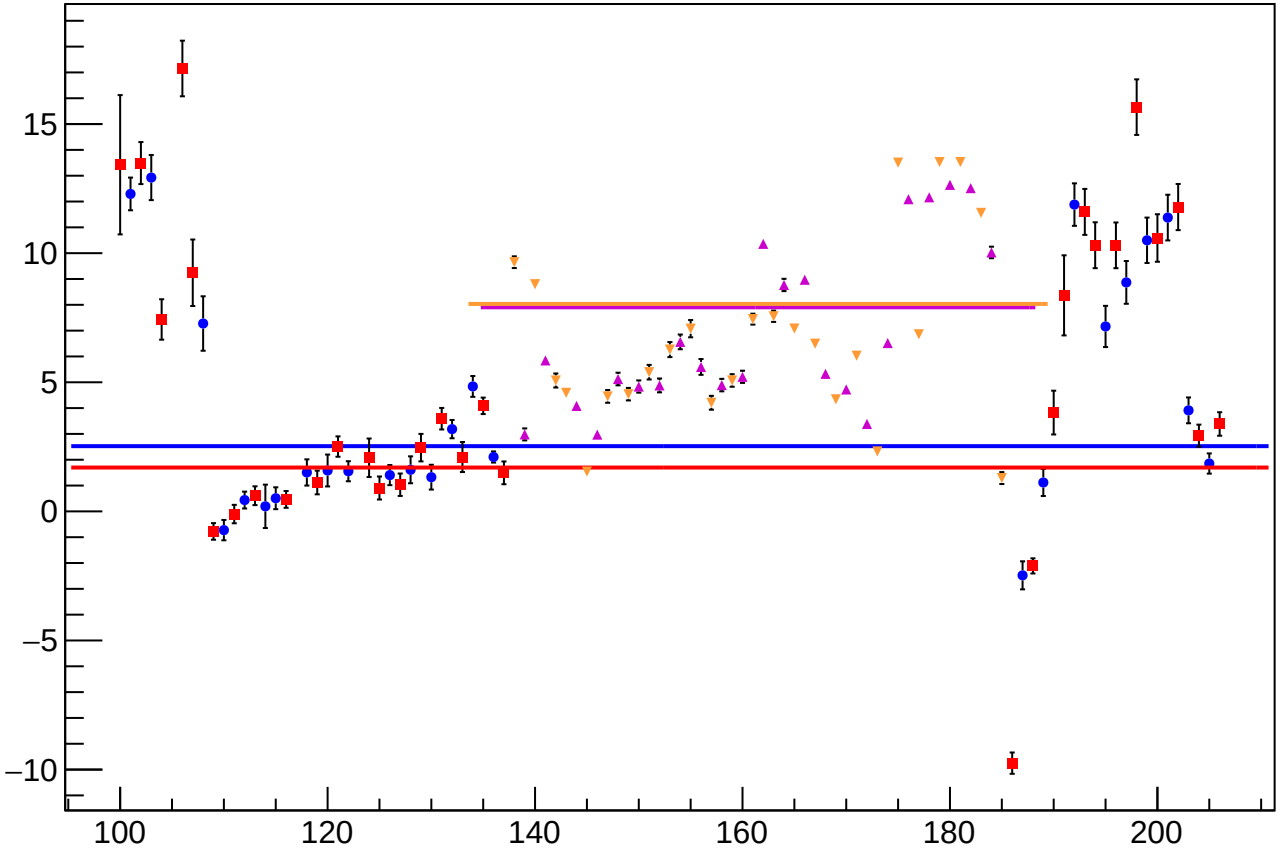
Right: -0.258+/-0.015 χ^2/NDF: 2869.2/55

In: 0.136+/-0.006 χ^2/NDF:3233.3/47

Out: 0.116+/-0.005 χ^2/NDF:3680.5/55

All: 0.126+/-0.004 χ^2/NDF: 6921.0/103

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.526+/-0.093 χ^2/NDF: 1116.7/24

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.698+/-0.089 χ^2/NDF: 2409.0/30

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

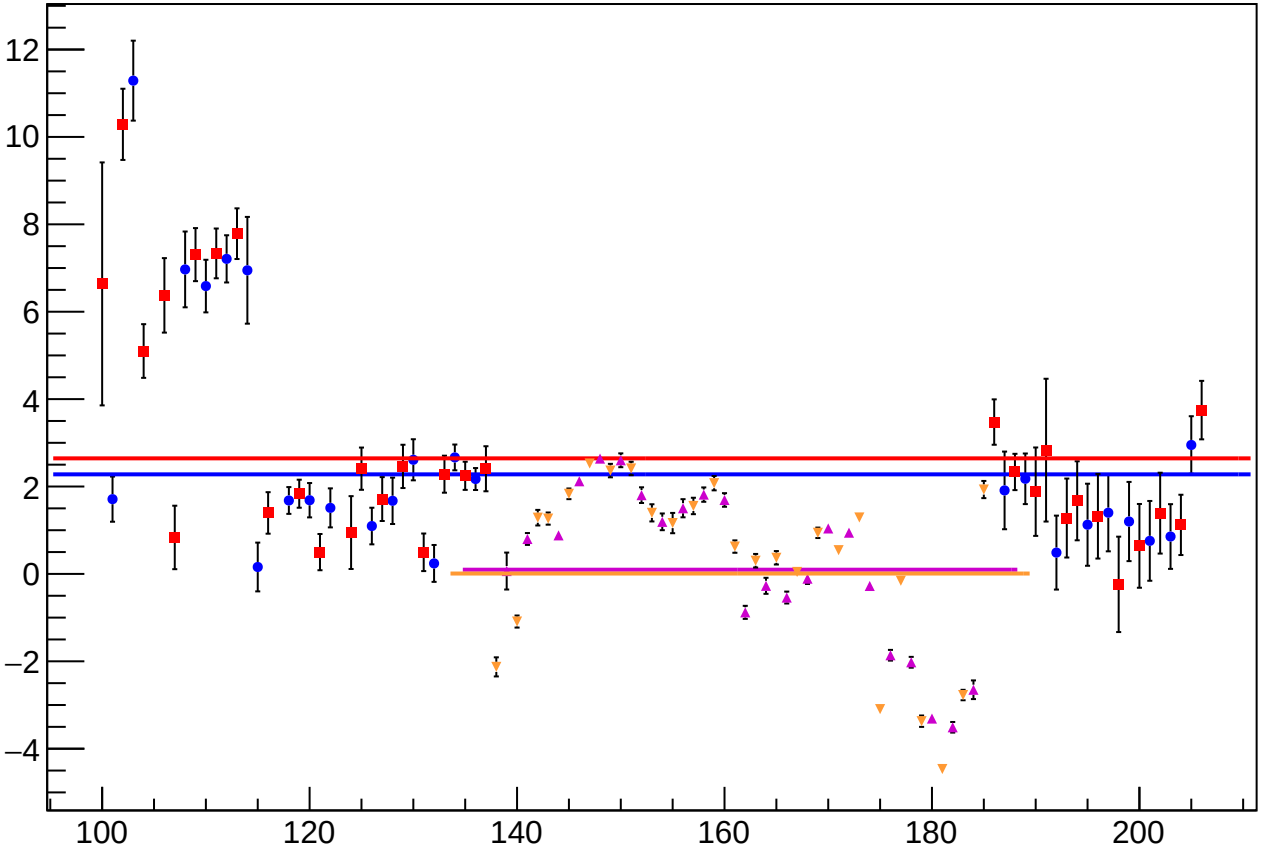
Right: 2.092+/-0.064 χ^2/NDF: 3567.2/55

In: 7.210+/-0.033 χ^2/NDF:14040.8/47

Out: 7.195+/-0.032 χ^2/NDF:20741.1/55

All: 7.202+/-0.023 χ^2/NDF: 34781.9/103

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.100 χ^2/NDF: 351.2/24

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.644+/-0.102 χ^2/NDF: 442.2/30

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

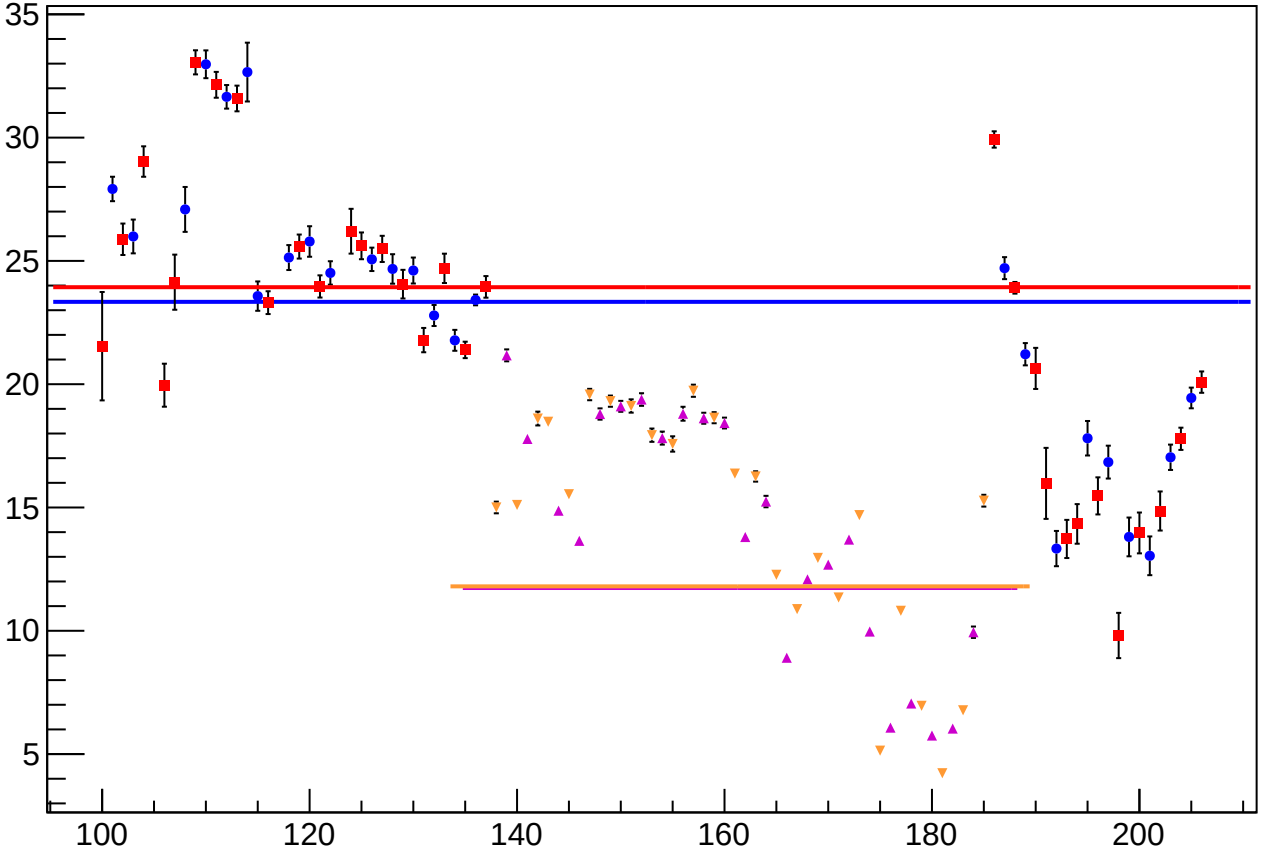
Right: 2.458+/-0.071 χ^2/NDF: 799.9/55

In: 0.256+/-0.027 χ^2/NDF:5224.9/47

Out: 0.187+/-0.027 χ^2/NDF:6826.8/55

All: 0.221+/-0.019 χ^2/NDF: 12055.0/103

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.340+/-0.099 χ^2/NDF: 1786.7/24

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.934+/-0.094 χ^2/NDF: 2619.5/30

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

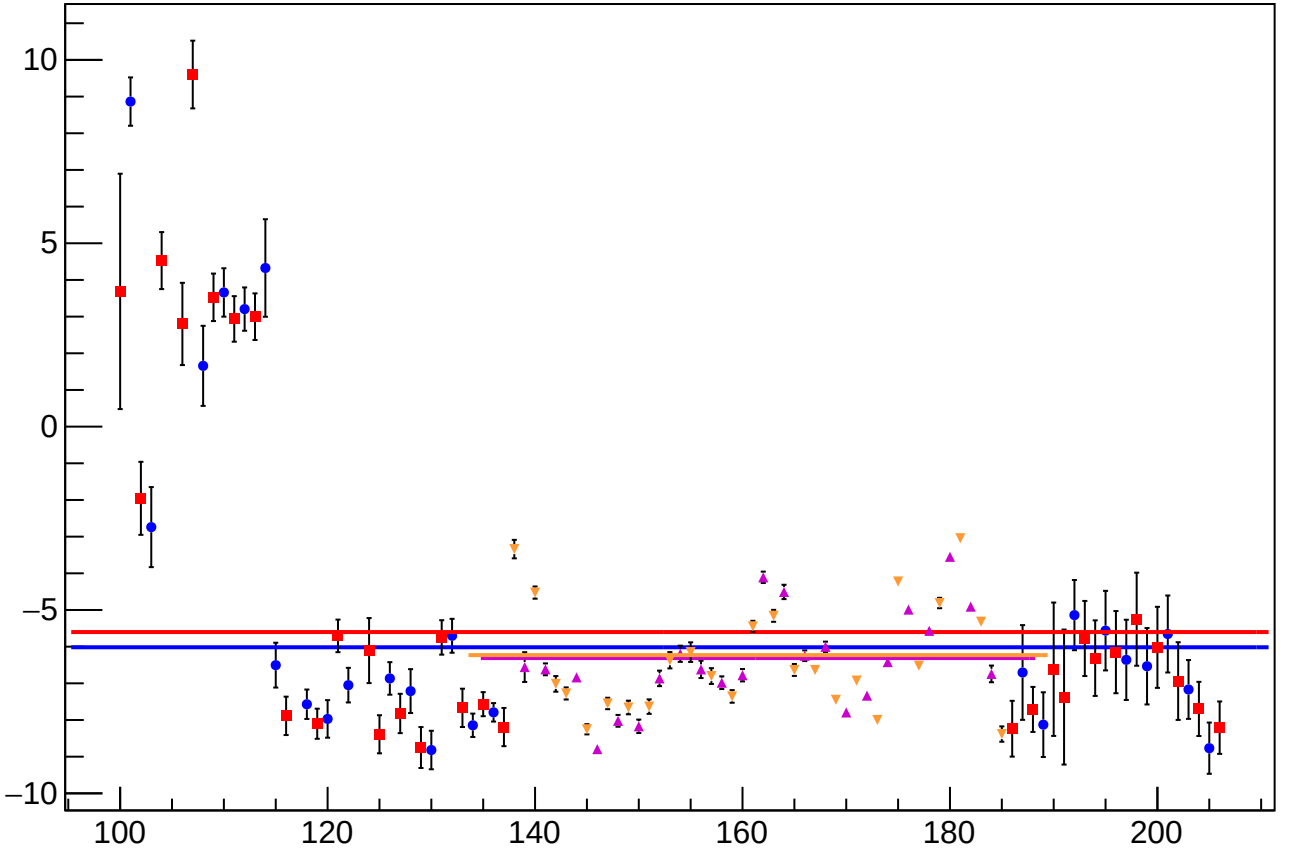
Right: 23.653+/-0.068 χ^2/NDF: 4425.1/55

In: 13.069+/-0.034 χ^2/NDF:31856.4/47

Out: 13.270+/-0.033 χ^2/NDF:38769.4/55

All: 13.172+/-0.023 χ^2/NDF: 70644.2/103

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.017+/-0.113 χ^2/NDF: 1277.8/24

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.602+/-0.117 χ^2/NDF: 1349.4/30

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

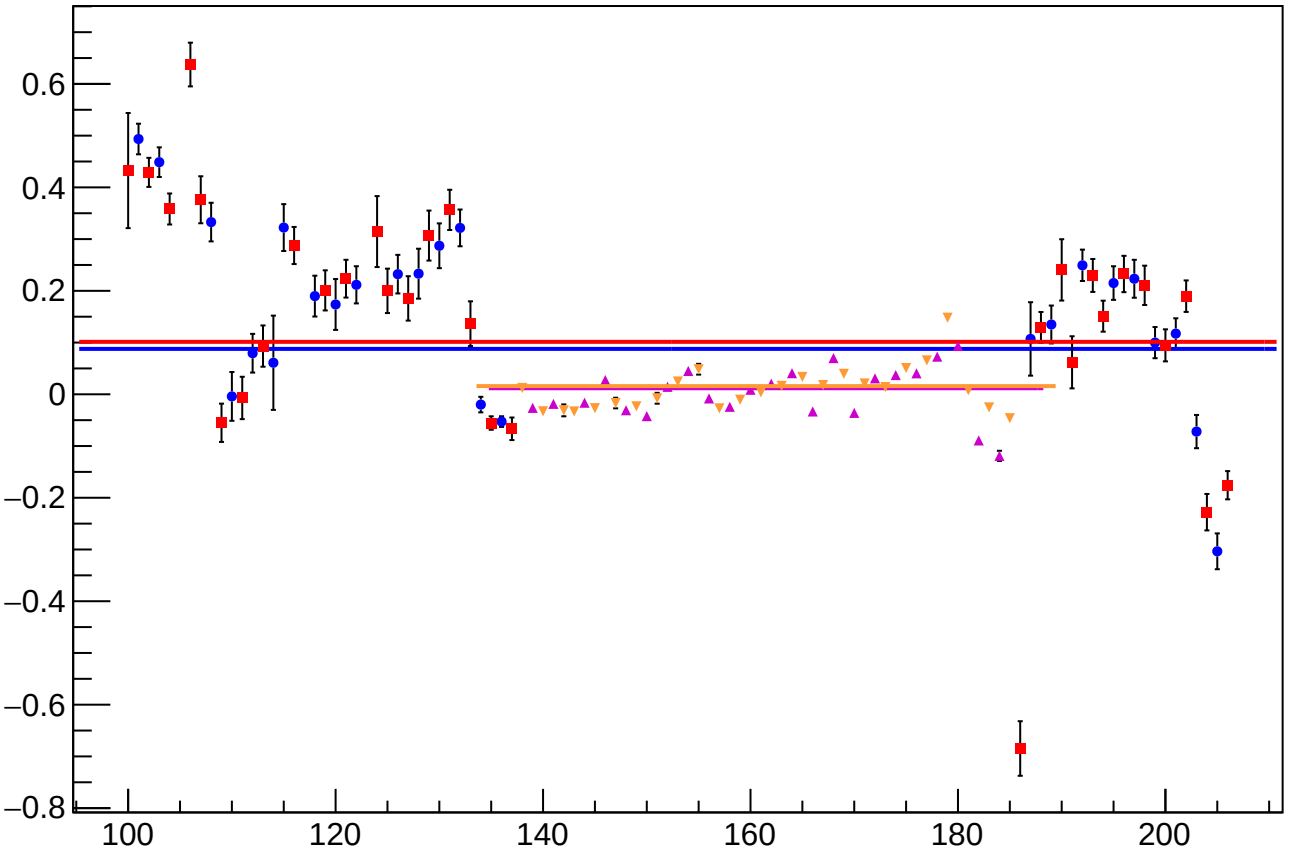
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.816+/-0.081 χ^2/NDF: 2633.8/55

In: -6.290+/-0.030 χ^2/NDF:3314.3/47

Out: -6.190+/-0.030 χ^2/NDF:3826.6/55

All: -6.239+/-0.021 χ^2/NDF: 7146.5/103



Right In: 0.088+/-0.006 χ^2/NDF: 980.7/24

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.101+/-0.006 χ^2/NDF: 1240.7/30

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

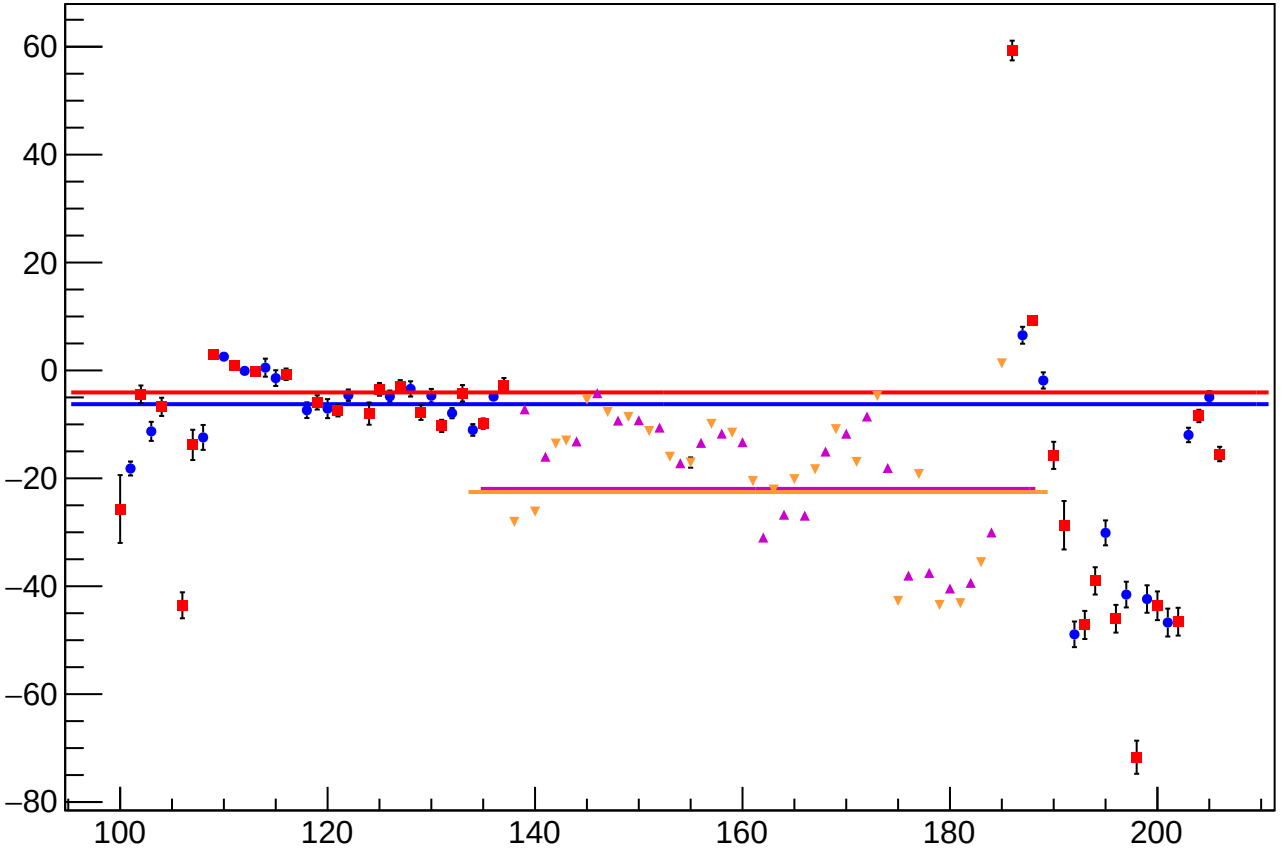
Right: 0.094+/-0.004 χ^2/NDF: 2224.1/55

In: 0.016+/-0.001 χ^2/NDF:2446.0/47

Out: 0.020+/-0.001 χ^2/NDF:2373.2/55

All: 0.018+/-0.001 χ^2/NDF: 4824.0/103

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.255+/-0.243 χ^2/NDF: 1563.8/24

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.078+/-0.230 χ^2/NDF: 3907.3/30

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

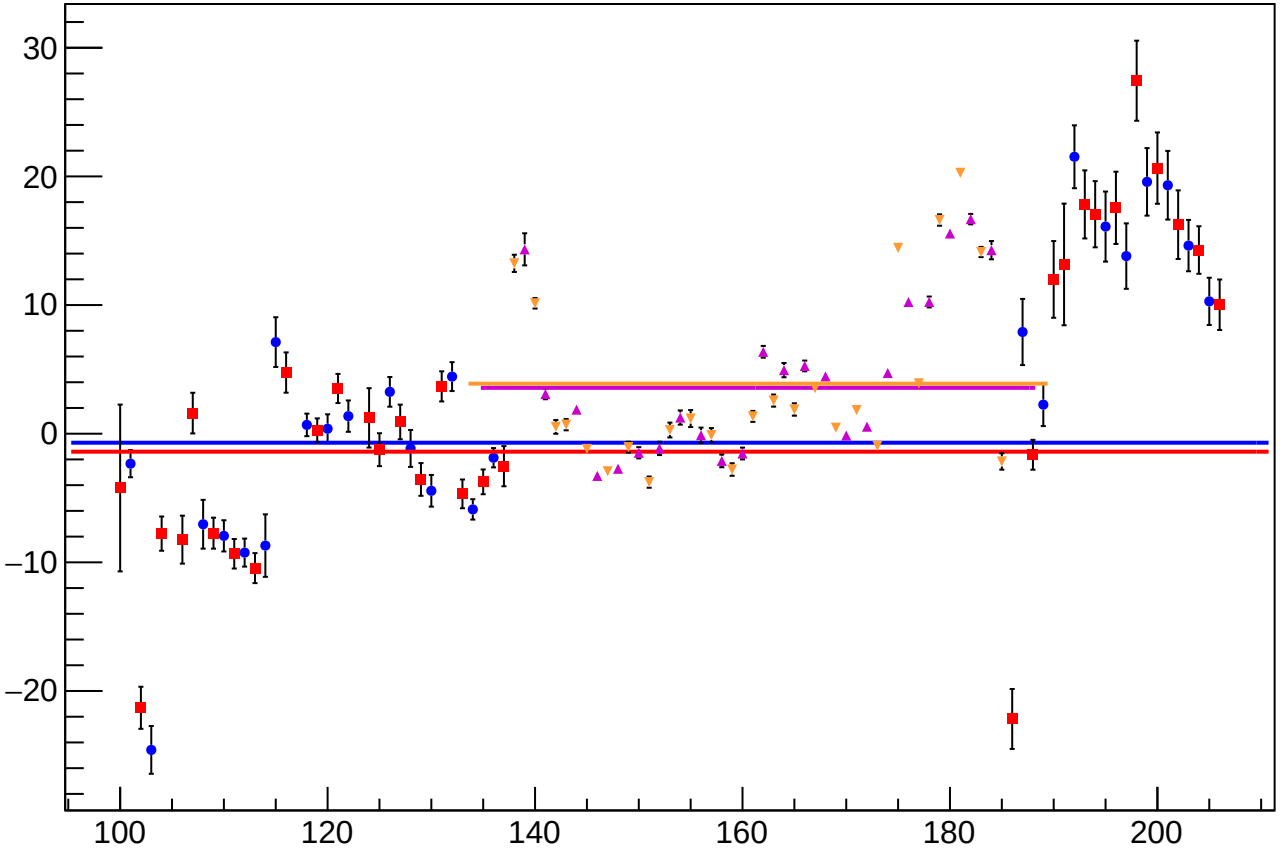
Right: -5.109+/-0.167 χ^2/NDF: 5513.5/55

In: -19.234+/-0.101 χ^2/NDF:17608.8/47

Out: -19.204+/-0.098 χ^2/NDF:25714.4/55

All: -19.218+/-0.070 χ^2/NDF: 43323.3/103

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.700+/-0.267 χ^2/NDF: 775.0/24

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.398+/-0.271 χ^2/NDF: 960.6/30

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

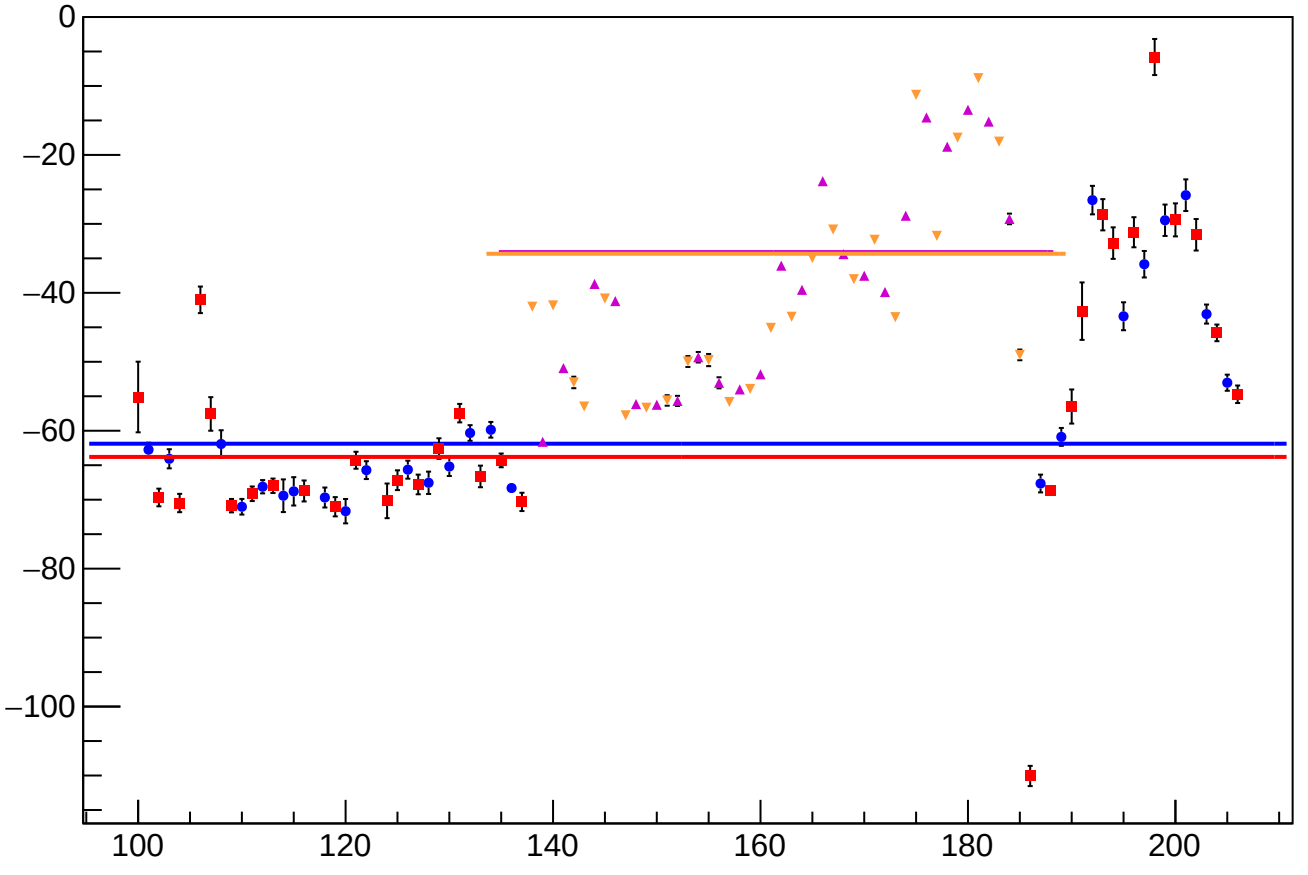
Right: -1.044+/-0.190 χ^2/NDF: 1739.0/55

In: 3.162+/-0.082 χ^2/NDF:5745.9/47

Out: 3.424+/-0.080 χ^2/NDF:8032.5/55

All: 3.296+/-0.057 χ^2/NDF: 13783.6/103

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.882+/-0.264 χ^2/NDF: 1599.2/24

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.797+/-0.253 χ^2/NDF: 3300.6/30

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

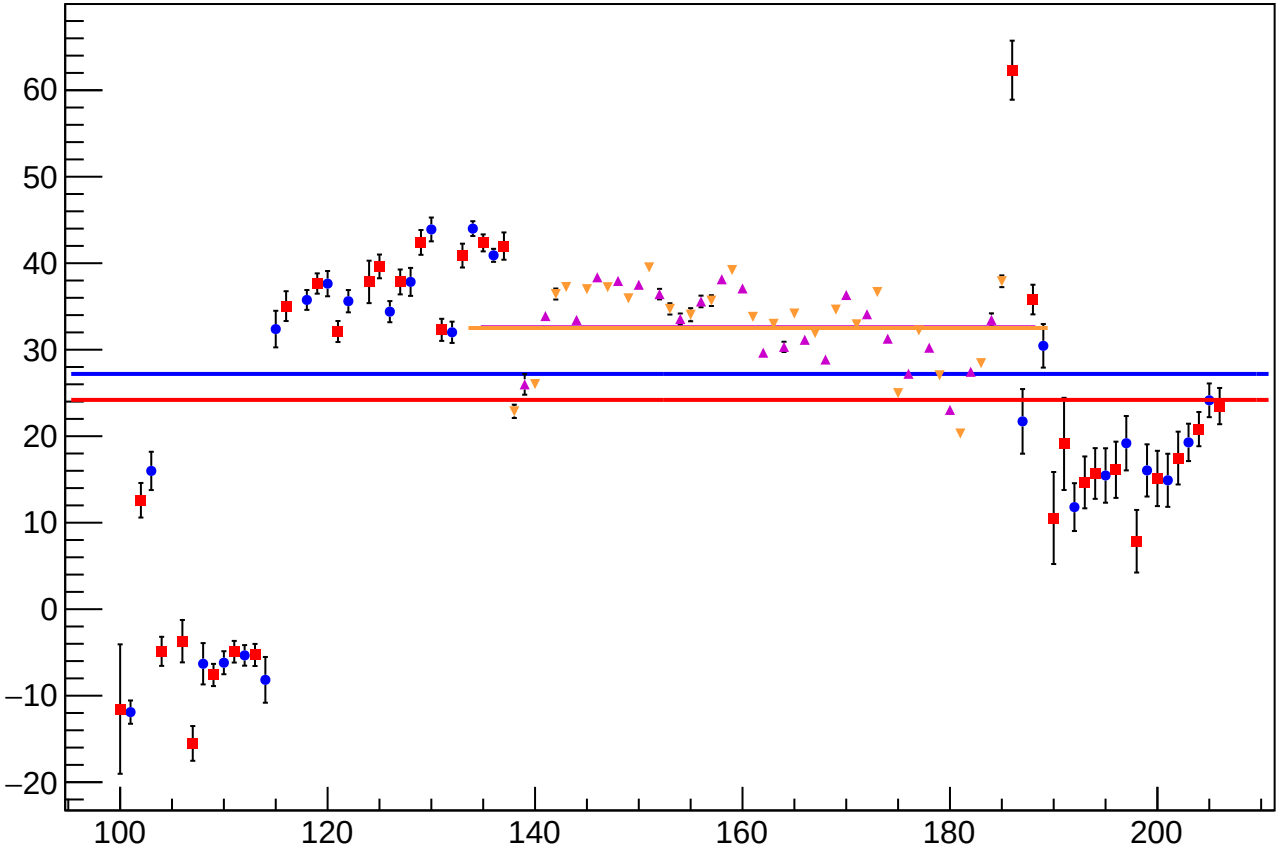
Right: -62.879+/-0.183 χ^2/NDF: 4927.3/55

In: -38.272+/-0.102 χ^2/NDF:28763.6/47

Out: -38.894+/-0.100 χ^2/NDF:35962.6/55

All: -38.591+/-0.071 χ^2/NDF: 64745.2/103

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.199+/-0.301 χ^2/NDF: 3836.7/24

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.196+/-0.309 χ^2/NDF: 4080.7/30

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

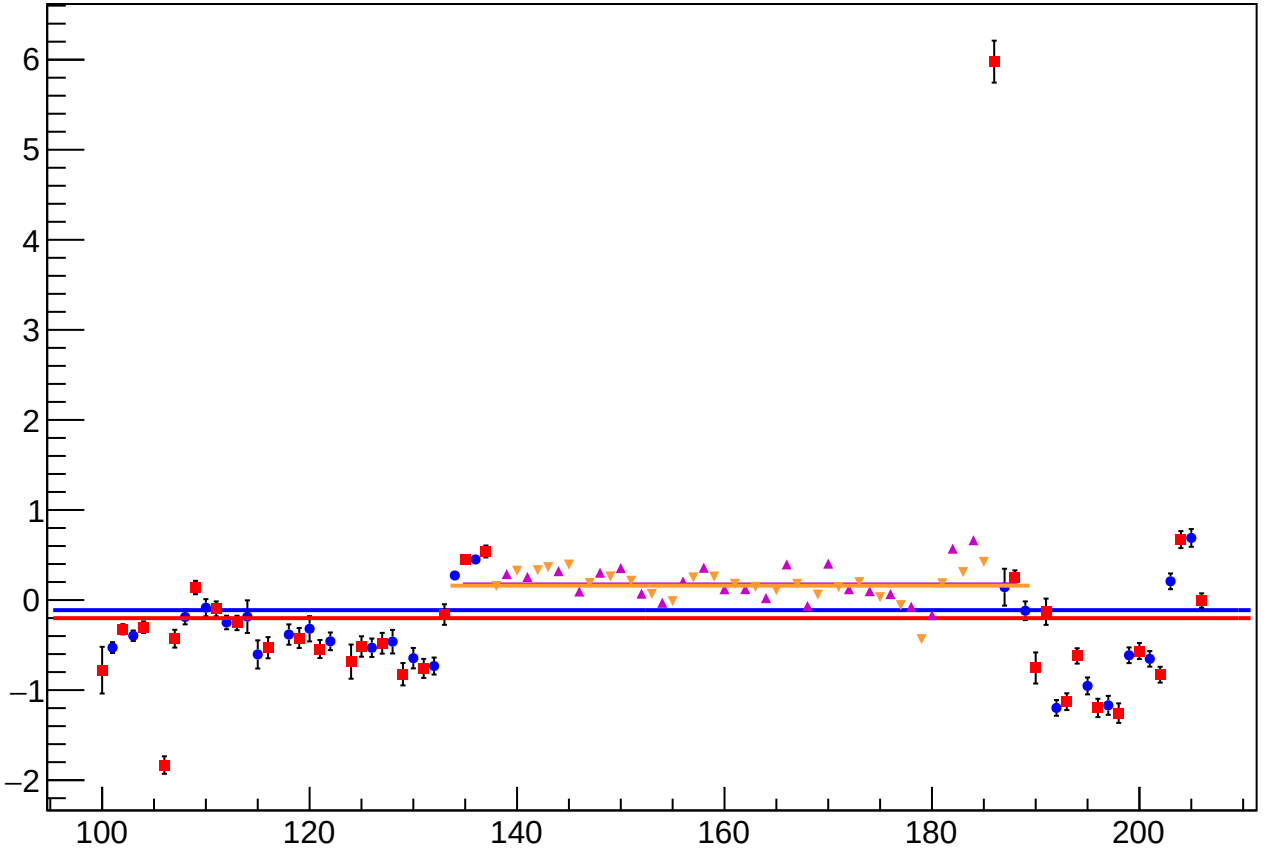
Right: 25.737+/-0.216 χ^2/NDF: 7965.7/55

In: 32.093+/-0.092 χ^2/NDF:6140.8/47

Out: 31.800+/-0.090 χ^2/NDF:7680.1/55

All: 31.944+/-0.065 χ^2/NDF: 13826.1/103

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.112+/-0.015 χ^2/NDF: 1109.9/24

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.201+/-0.016 χ^2/NDF: 2046.3/30

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

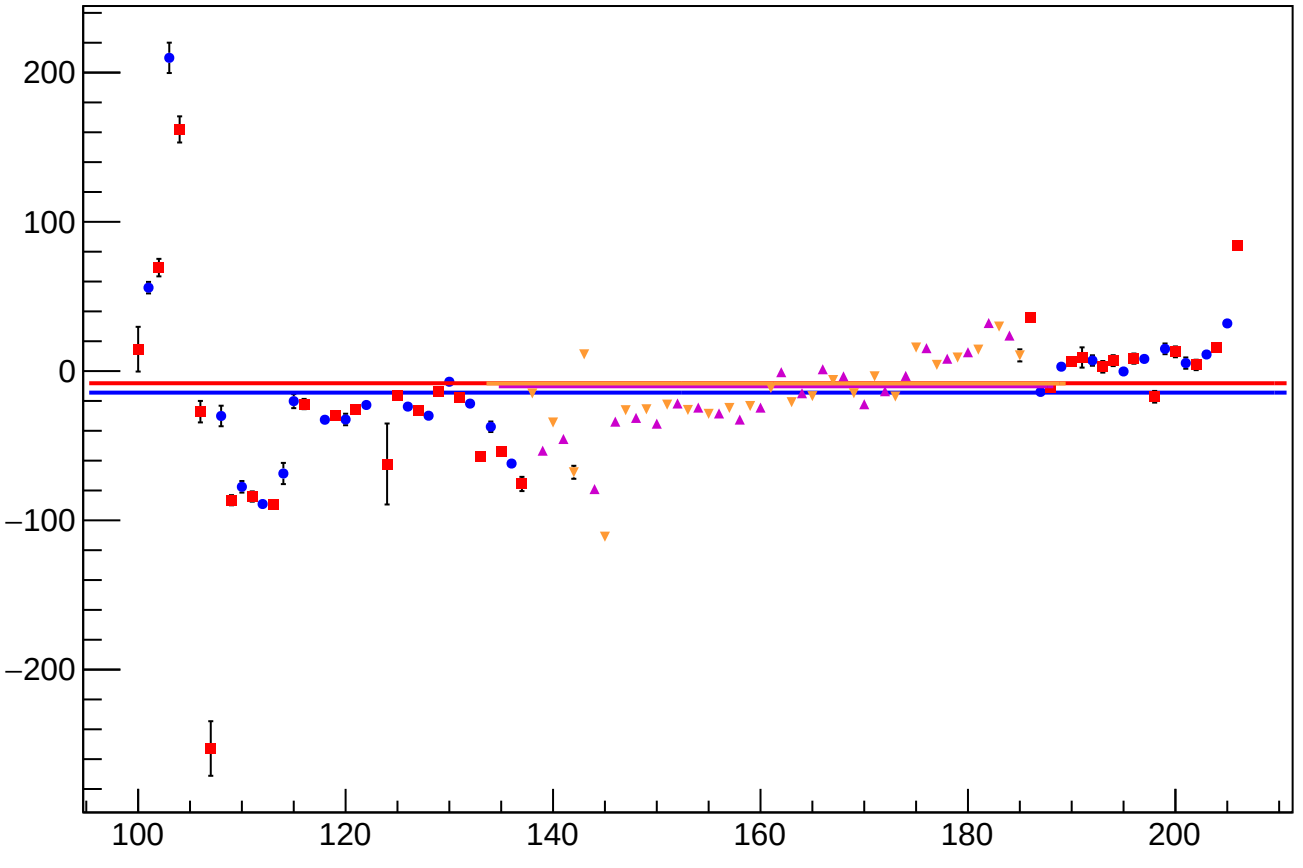
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.155+/-0.011 χ^2/NDF: 3172.6/55

In: 0.152+/-0.004 χ^2/NDF:3562.1/47

Out: 0.135+/-0.004 χ^2/NDF:4147.9/55

All: 0.144+/-0.003 χ^2/NDF: 7718.2/103



Right In: -14.429+/-0.617 χ^2/NDF: 3060.6/24

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -8.140+/-0.546 χ^2/NDF: 5412.5/30

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

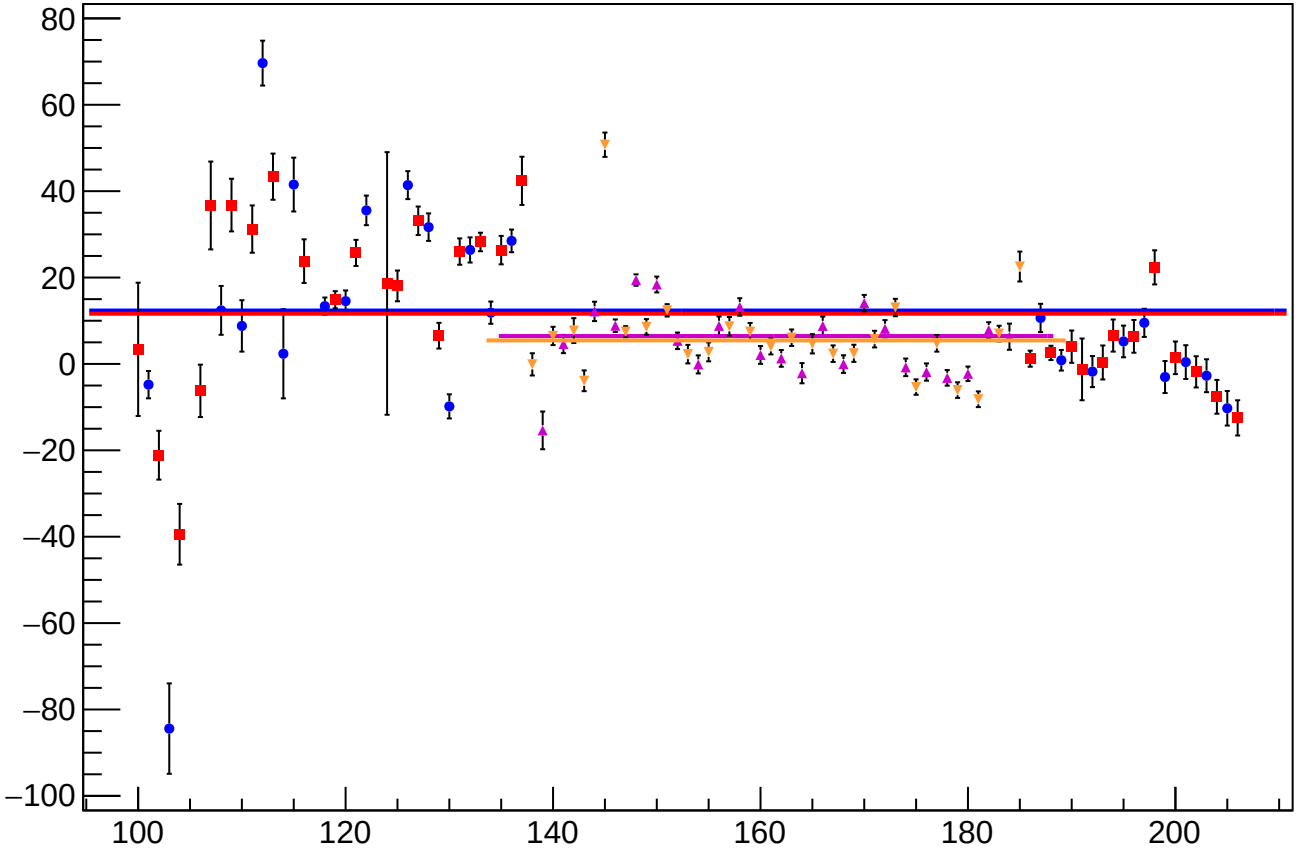
Right: -10.900+/-0.409 χ^2/NDF: 8531.4/55

In: -11.972+/-0.400 χ^2/NDF:5606.4/47

Out: -8.224+/-0.374 χ^2/NDF:7972.1/55

All: -9.970+/-0.273 χ^2/NDF: 13625.4/103

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.365+/-0.665 χ^2/NDF: 665.4/24

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 11.629+/-0.618 χ^2/NDF: 546.8/30

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

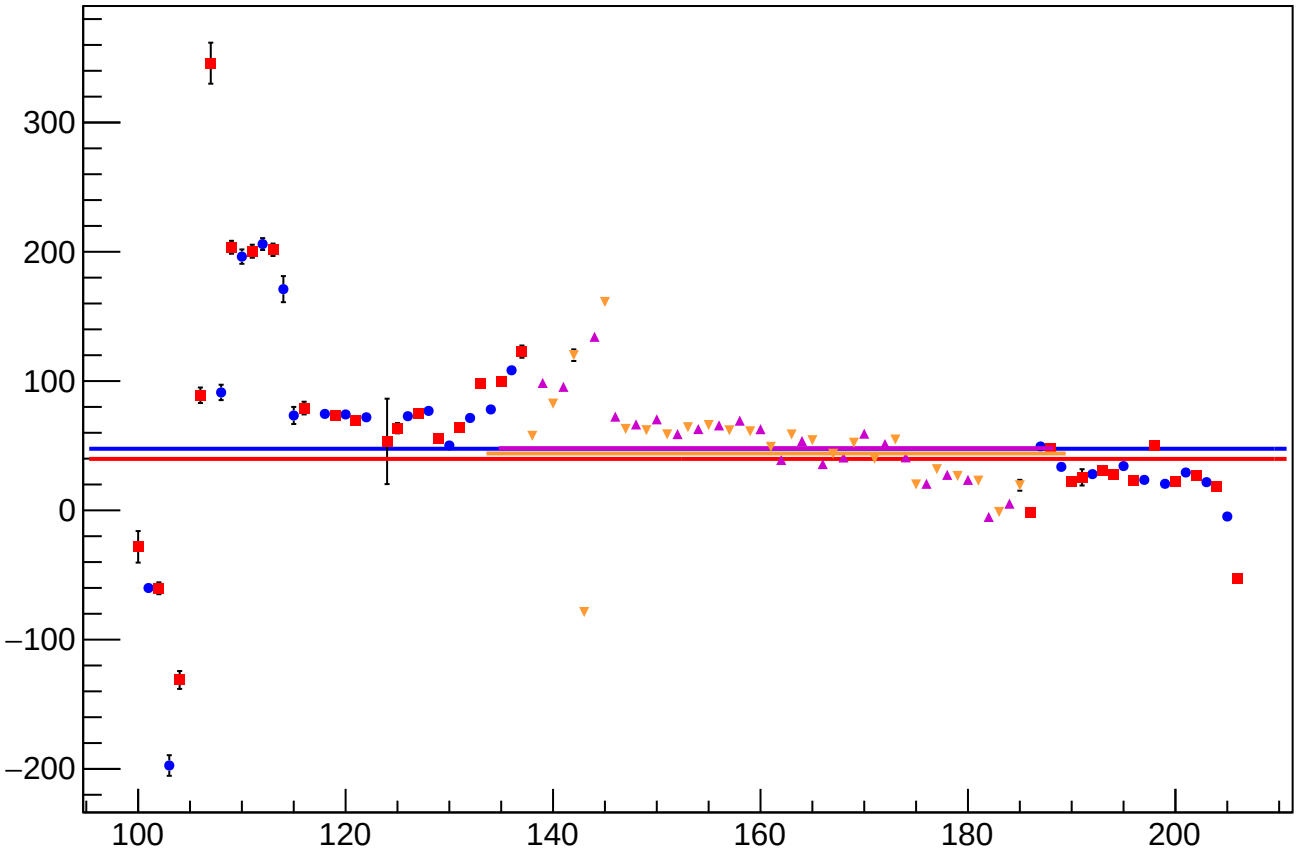
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 11.970+/-0.453 χ^2/NDF: 1212.9/55

In: 8.076+/-0.348 χ^2/NDF:1058.6/47

Out: 7.231+/-0.332 χ^2/NDF:1111.7/55

All: 7.634+/-0.240 χ^2/NDF: 2173.4/103



Right In: 47.648+/-0.607 χ^2/NDF: 6309.0/24

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.793+/-0.511 χ^2/NDF: 8984.2/30

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

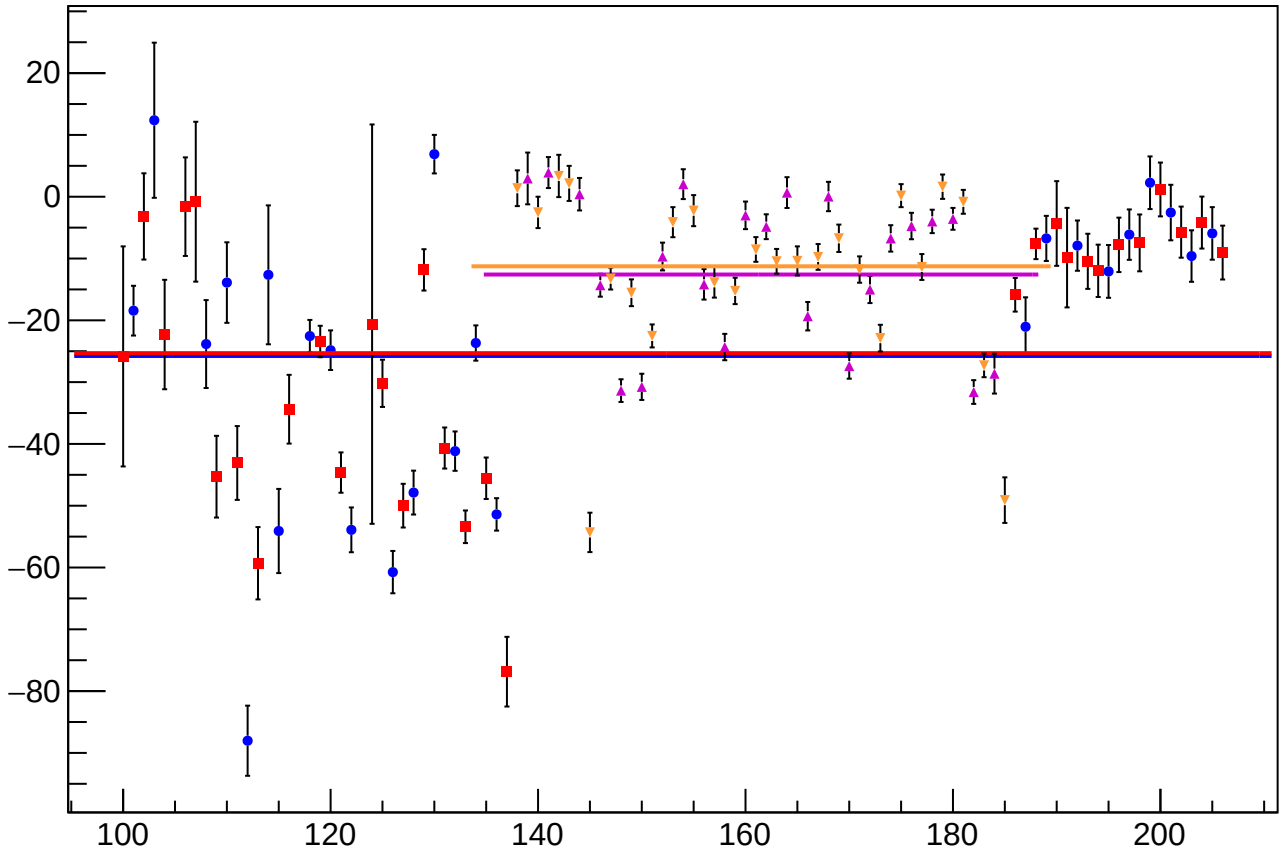
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 43.048+/-0.391 χ^2/NDF: 15391.3/55

In: 47.895+/-0.395 χ^2/NDF:9685.7/47

Out: 41.920+/-0.361 χ^2/NDF:13582.6/55

All: 44.634+/-0.267 χ^2/NDF: 23393.0/103



Right In: -25.762+/-0.781 χ^2/NDF: 776.6/24

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.313+/-0.751 χ^2/NDF: 660.9/30

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

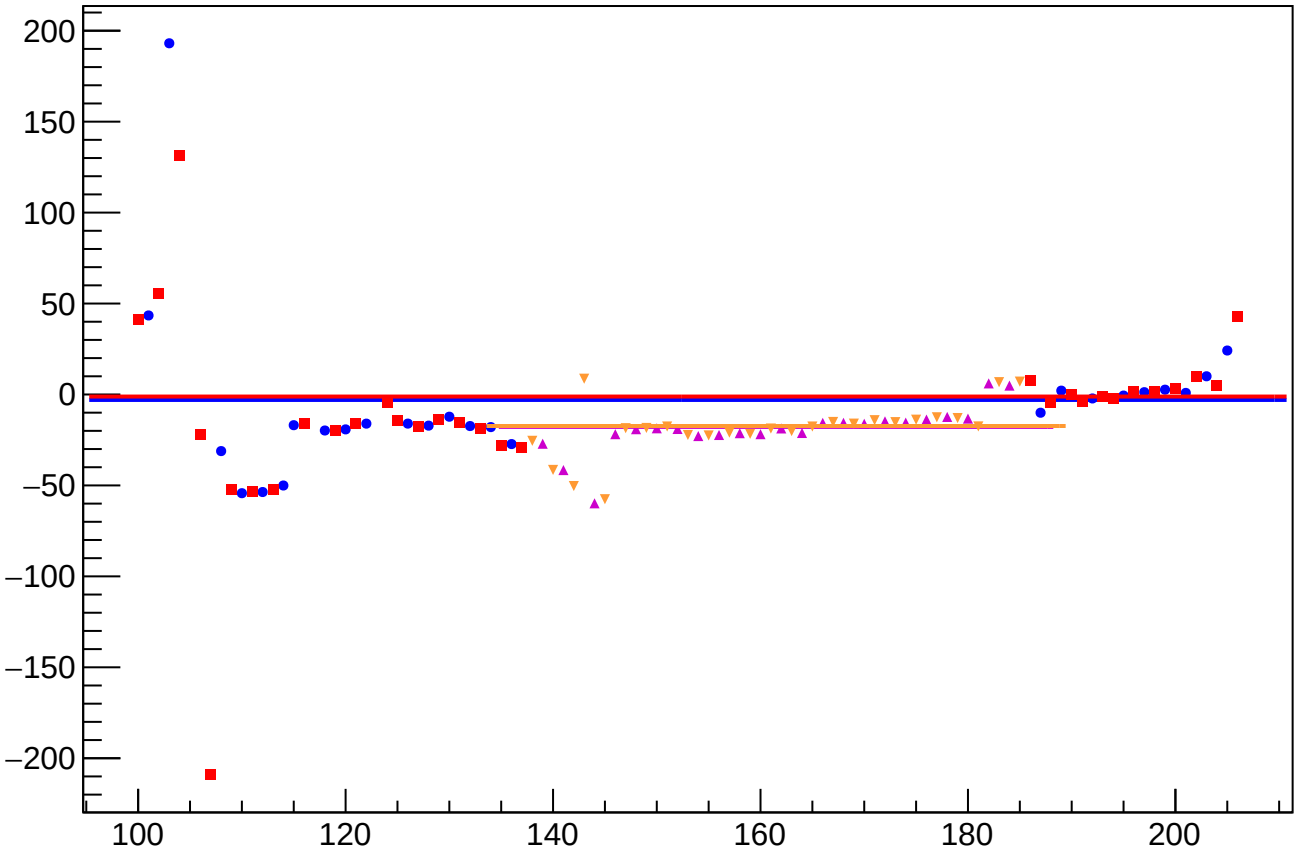
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -25.529+/-0.541 χ^2/NDF: 1437.7/55

In: -15.968+/-0.396 χ^2/NDF:1659.9/47

Out: -14.911+/-0.383 χ^2/NDF:1563.5/55

All: -15.422+/-0.275 χ^2/NDF: 3227.0/103



Right In: -3.006+/-0.037 χ^2/NDF: 569160.2/24

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.138+/-0.035 χ^2/NDF: 570005.9/30

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

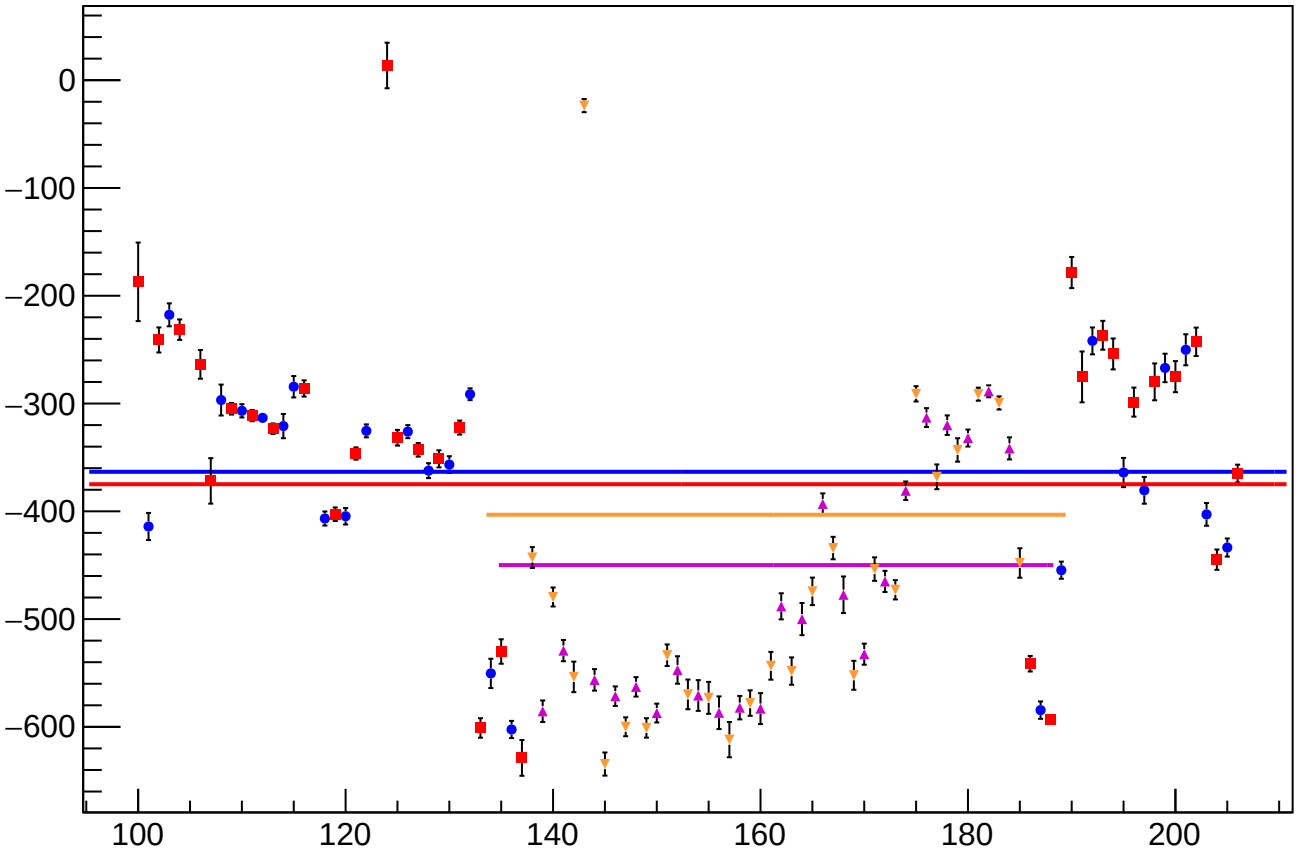
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -2.022+/-0.025 χ^2/NDF: 1140504.1/55

In: -14.411+/-0.018 χ^2/NDF:959661.3/47

Out: -13.376+/-0.017 χ^2/NDF:1078387.5/55

All: -13.881+/-0.012 χ^2/NDF: 2039780.4/103



Right In: -363.338+/-1.615 χ^2/NDF: 3103.1/24

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -374.859+/-1.476 χ^2/NDF: 6349.0/30

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

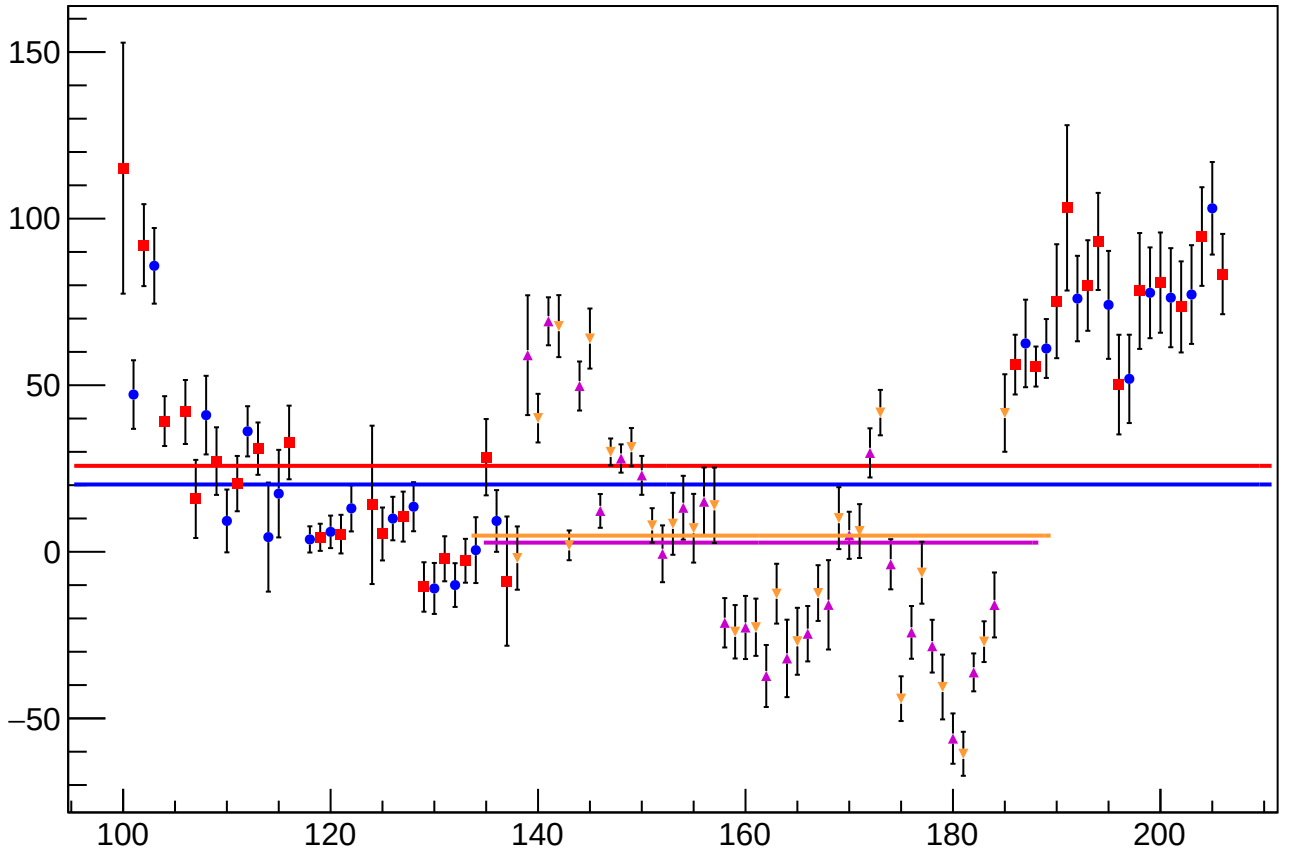
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -369.615+/-1.089 χ^2/NDF: 9479.8/55

In: -396.620+/-1.267 χ^2/NDF:7427.2/47

Out: -385.332+/-1.172 χ^2/NDF:14235.5/55

All: -390.537+/-0.860 χ^2/NDF: 21705.4/103



Right In: 20.209+/-1.694 χ^2/NDF: 273.7/24

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 25.803+/-1.633 χ^2/NDF: 330.1/30

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

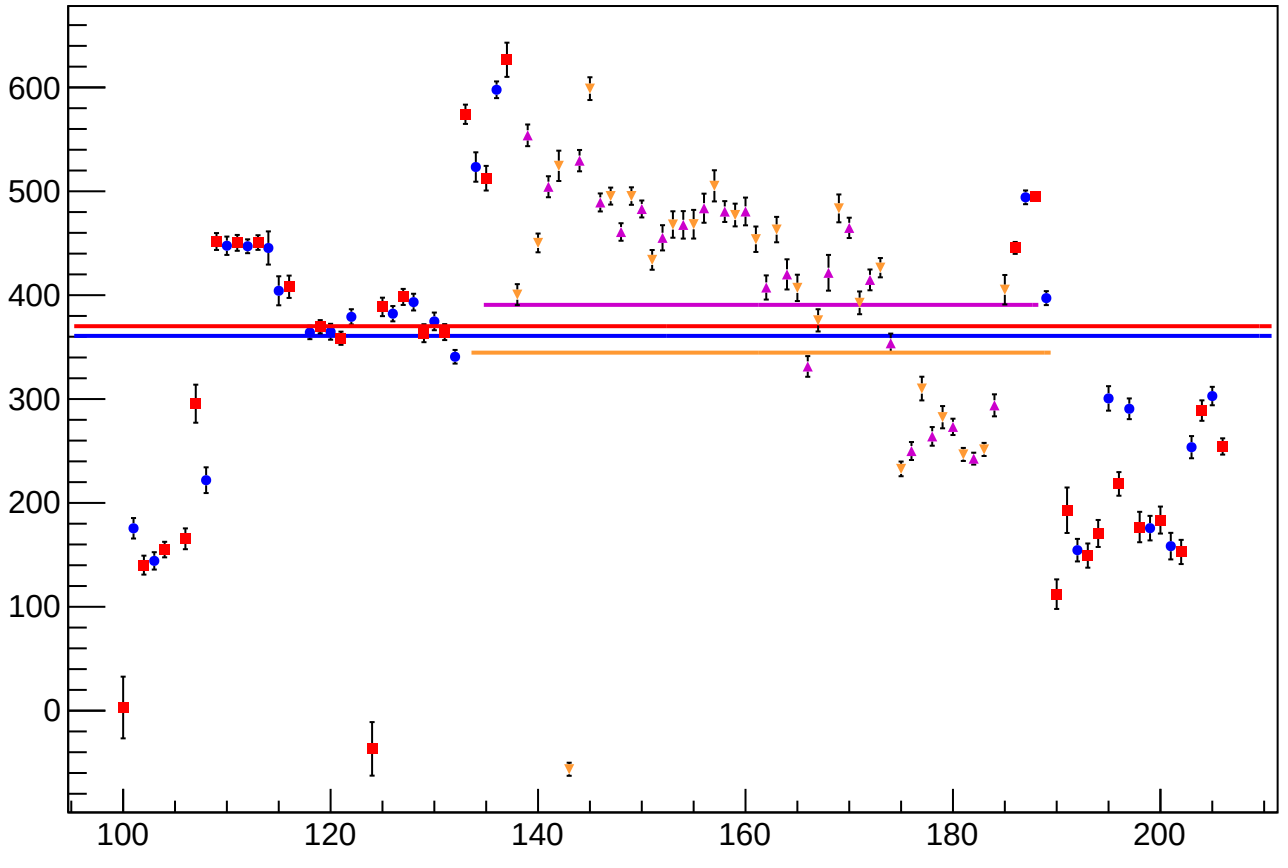
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 23.110+/-1.176 χ^2/NDF: 609.4/55

In: 10.731+/-1.145 χ^2/NDF:730.9/47

Out: 14.071+/-1.083 χ^2/NDF:879.4/55

All: 12.495+/-0.787 χ^2/NDF: 1614.8/103



Right In: 360.801+/-1.737 χ^2/NDF: 4007.6/24

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.135+/-1.535 χ^2/NDF: 7208.1/30

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

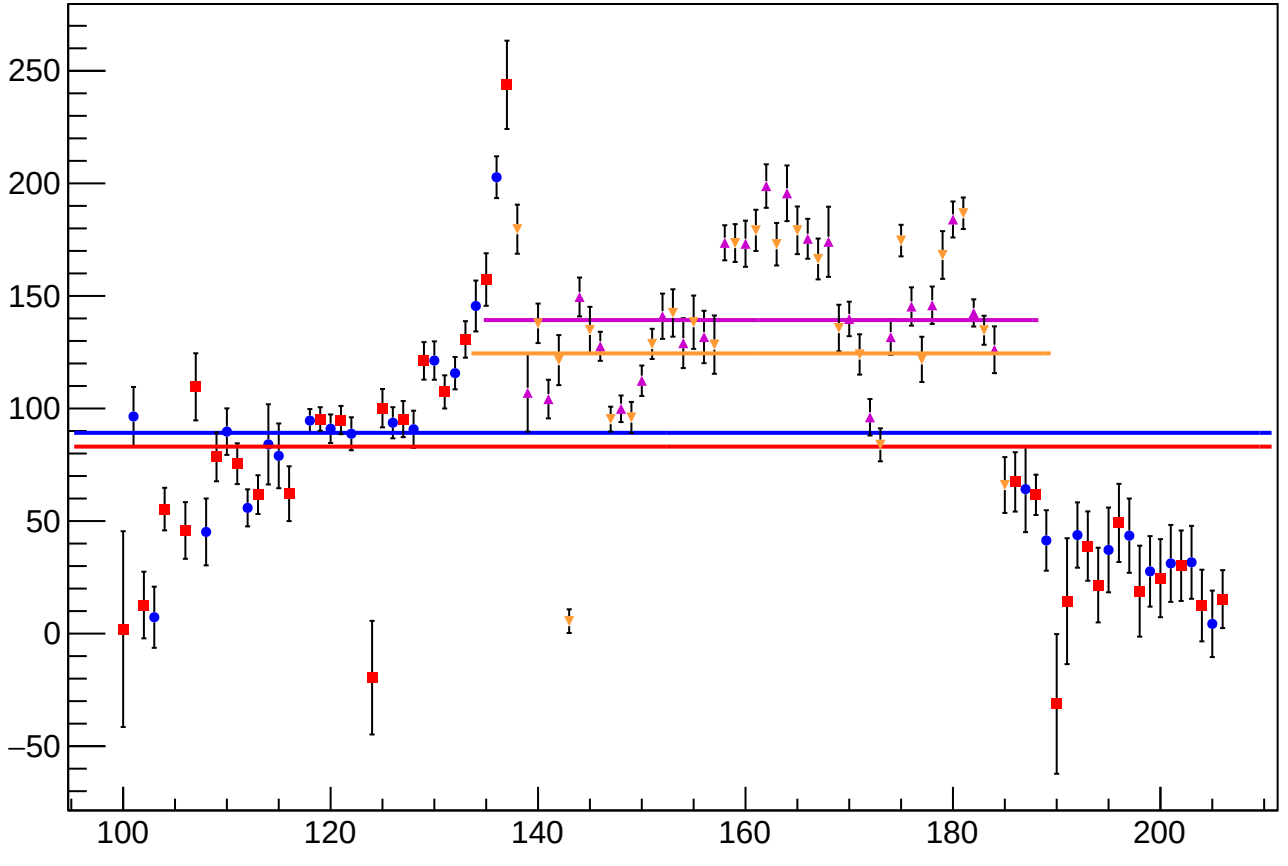
Right: 366.042+/-1.150 χ^2/NDF: 11232.0/55

In: 373.428+/-1.320 χ^2/NDF:6805.5/47

Out: 360.237+/-1.200 χ^2/NDF:14593.3/55

All: 366.207+/-0.888 χ^2/NDF: 21453.5/103

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 89.187+/-1.988 χ^2/NDF: 378.5/24

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 83.064+/-1.924 χ^2/NDF: 395.0/30

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

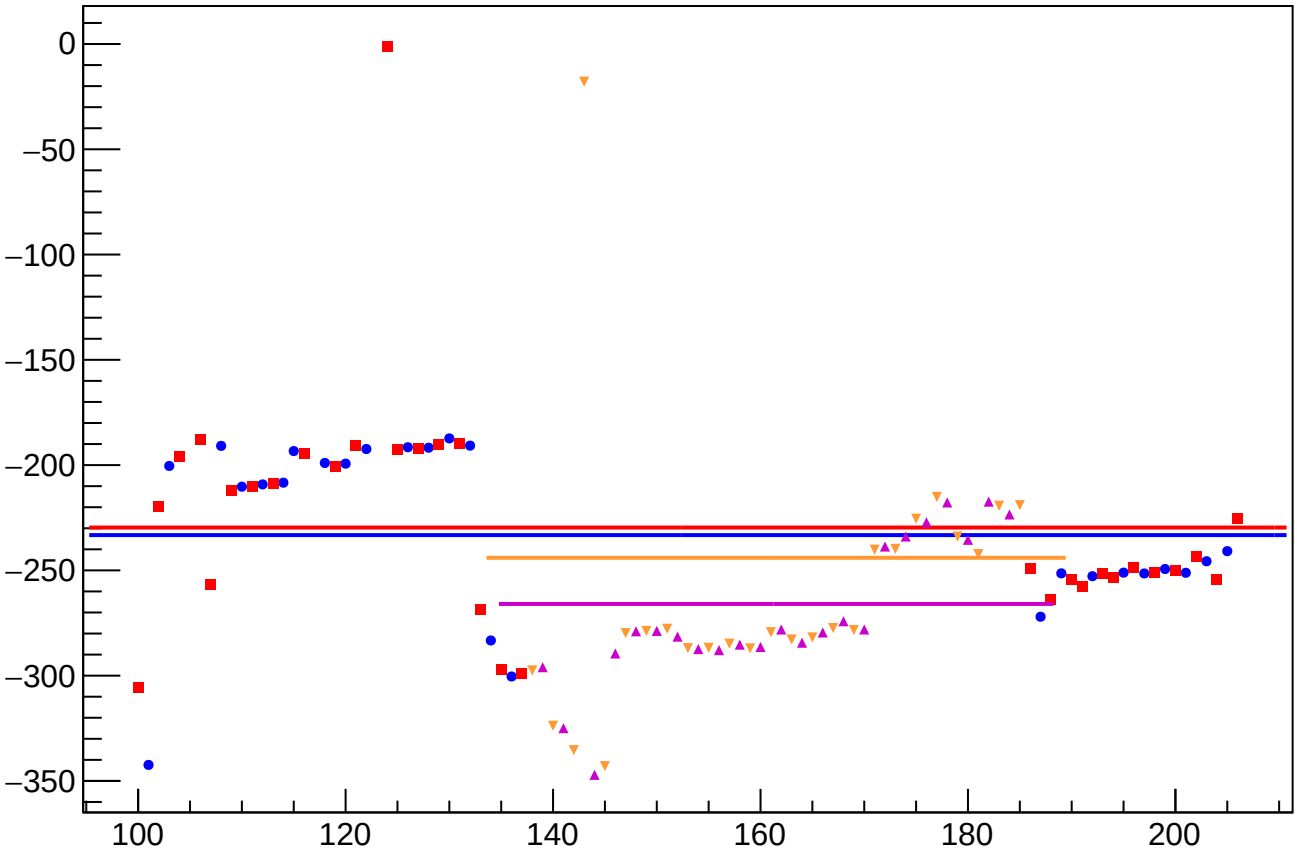
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 86.024+/-1.383 χ^2/NDF: 778.4/55

In: 117.139+/-1.322 χ^2/NDF:993.5/47

Out: 106.772+/-1.258 χ^2/NDF:1597.8/55

All: 111.697+/-0.911 χ^2/NDF: 2623.6/103



Right In: -233.245+/-0.111 χ^2/NDF: 135697.4/24

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.650+/-0.103 χ^2/NDF: 111276.0/30

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

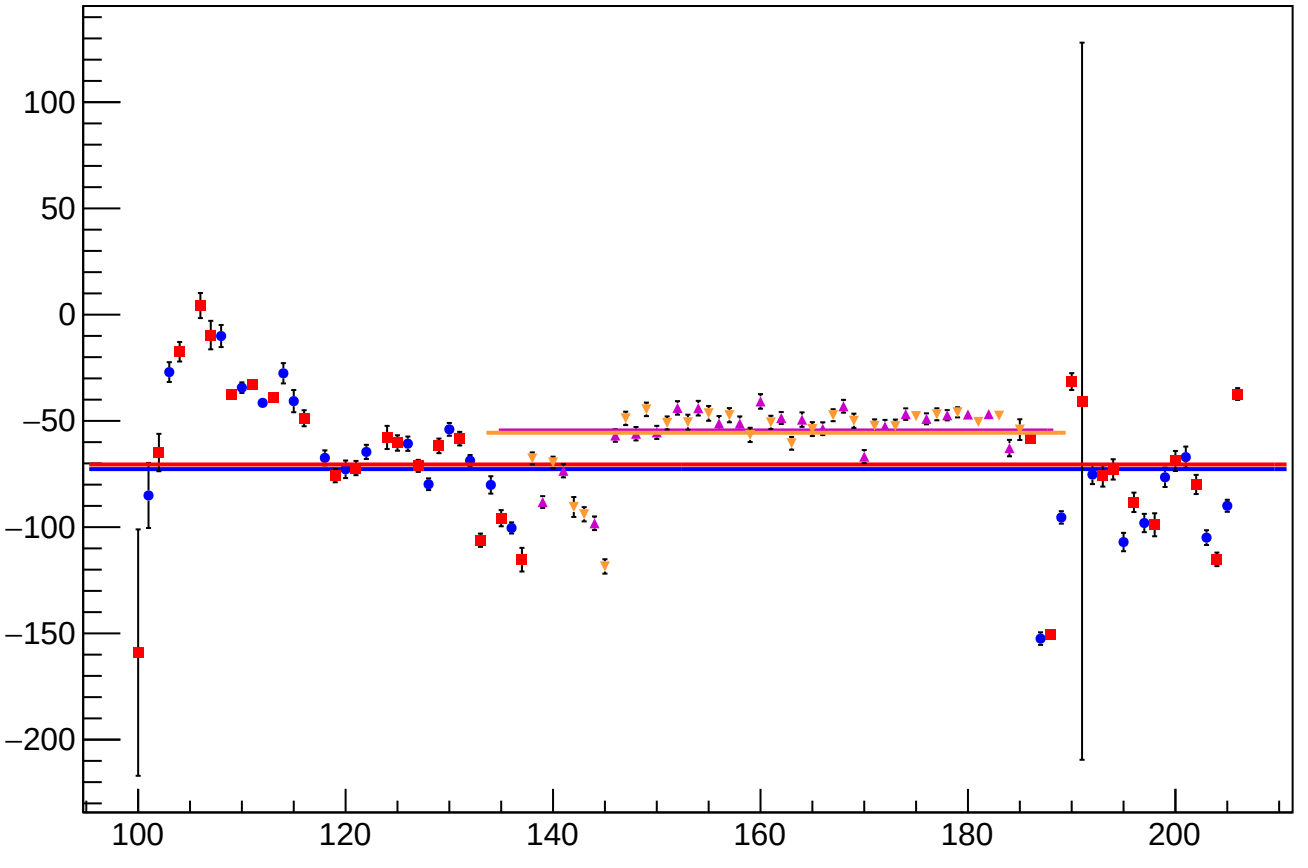
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -231.314+/-0.075 χ^2/NDF: 247537.3/55

In: -254.666+/-0.065 χ^2/NDF:362555.9/47

Out: -238.841+/-0.062 χ^2/NDF:1121683.4/55

All: -246.341+/-0.045 χ^2/NDF: 1515271.8/10



Right In: -72.690+/-0.684 χ^2/NDF: 2009.4/24

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.500+/-0.597 χ^2/NDF: 4103.0/30

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

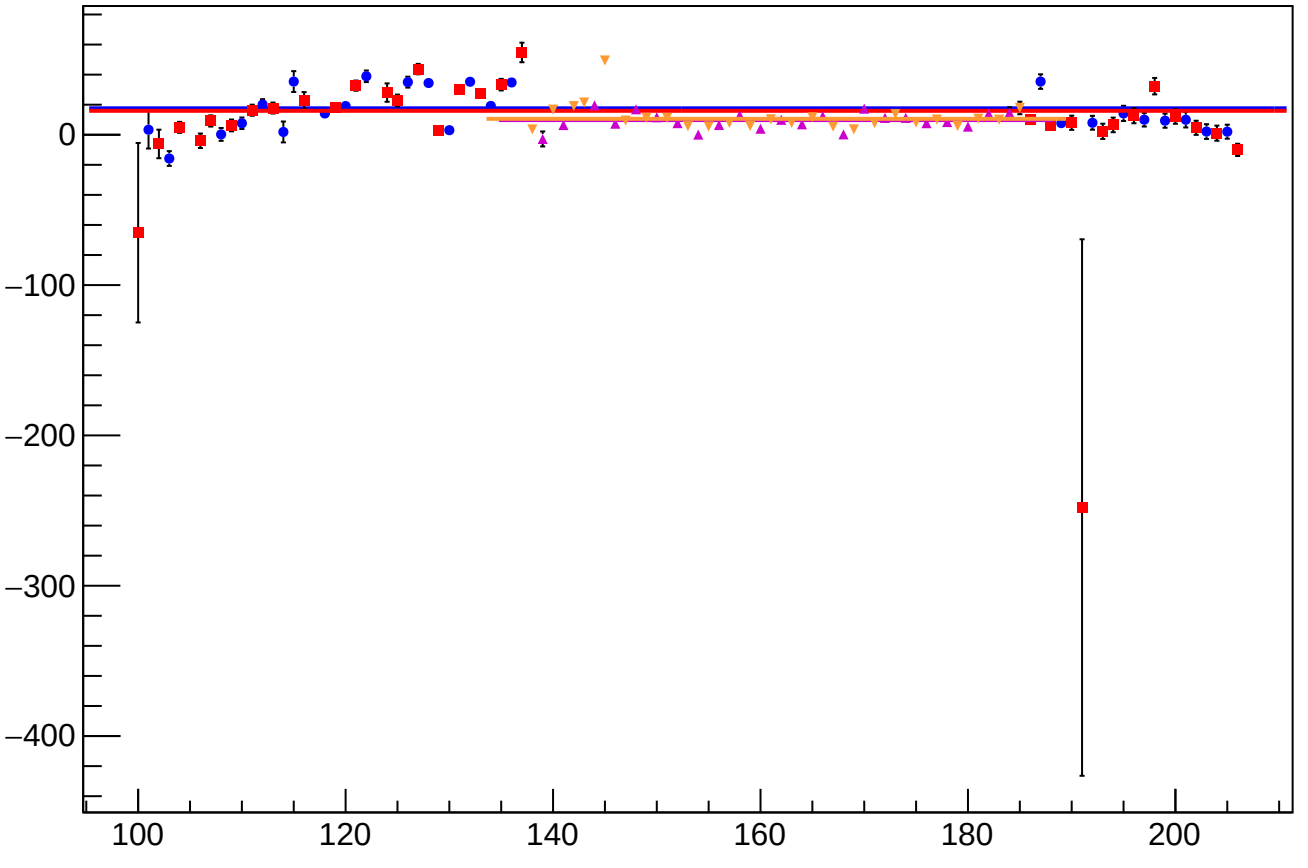
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -71.447+/-0.450 χ^2/NDF: 6118.2/55

In: -62.503+/-0.454 χ^2/NDF:2905.9/47

Out: -62.950+/-0.420 χ^2/NDF:5105.6/55

All: -62.744+/-0.308 χ^2/NDF: 8012.1/103



Right In: 17.581+/-0.751 χ^2/NDF: 311.2/24

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.939+/-0.679 χ^2/NDF: 361.1/30

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

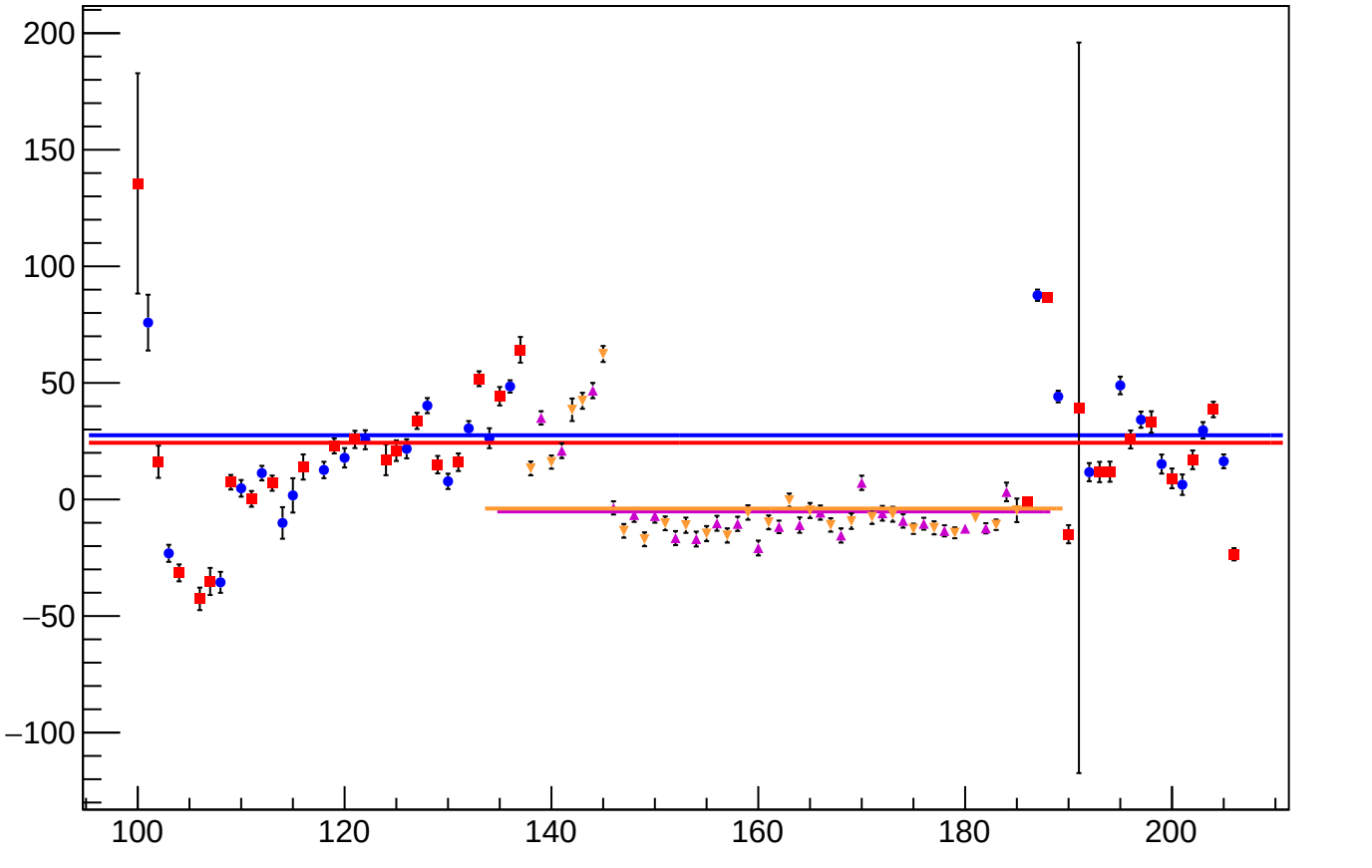
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

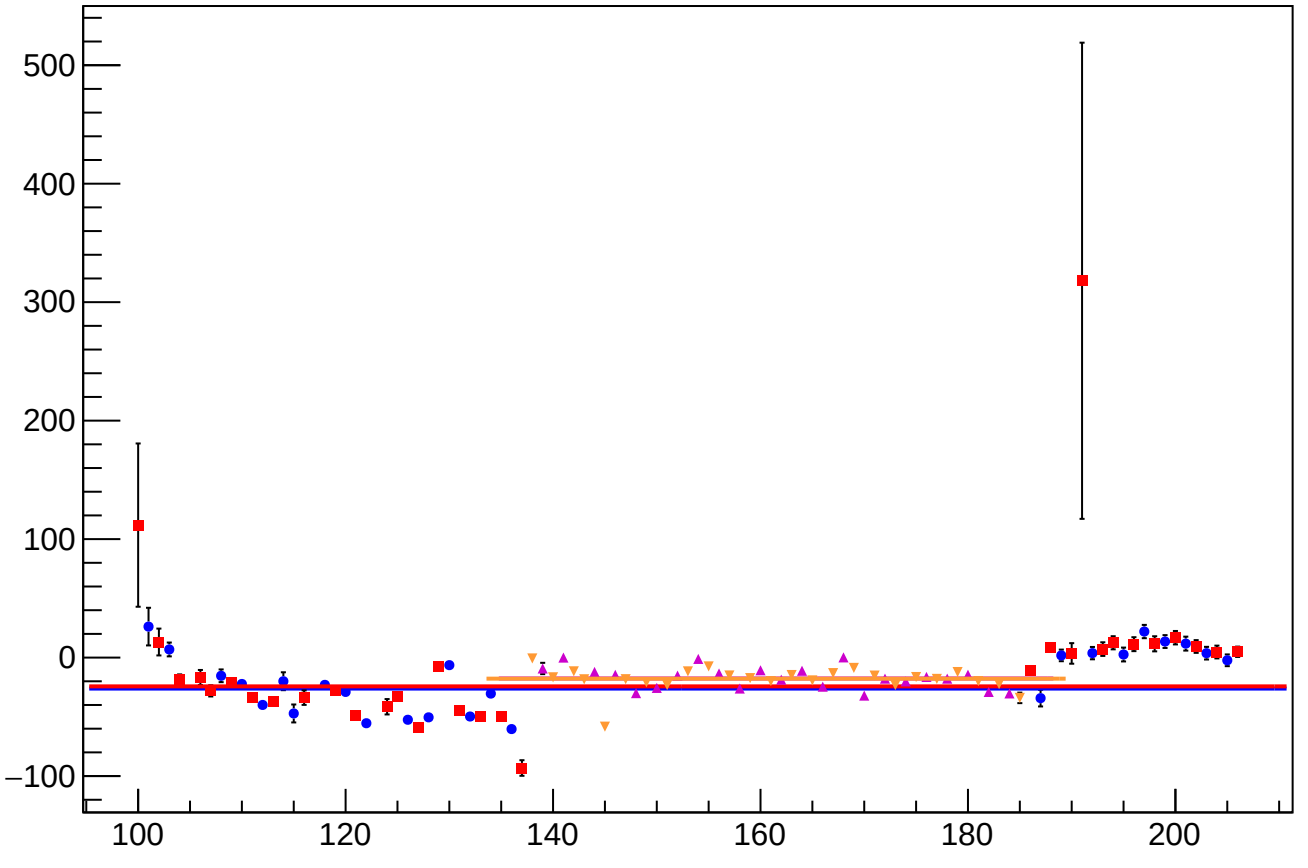
Right: 16.678+/-0.504 χ^2/NDF: 674.9/55

In: 11.943+/-0.397 χ^2/NDF:510.3/47

Out: 12.228+/-0.375 χ^2/NDF:659.1/55

All: 12.094+/-0.272 χ^2/NDF: 1169.7/103


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 27.537+/-0.717 χ²/NDF: 1408.5/24
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 24.316+/-0.598 χ²/NDF: 3665.3/30
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 25.638+/-0.460 χ²/NDF: 5085.6/55
In: 8.309+/-0.460 χ²/NDF:3278.5/47
Out: 9.892+/-0.418 χ²/NDF:5651.7/55
All: 9.175+/-0.310 χ²/NDF: 8936.6/103



Right In: -26.146+/-0.871 χ^2/NDF: 738.7/24

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.293+/-0.811 χ^2/NDF: 896.0/30

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

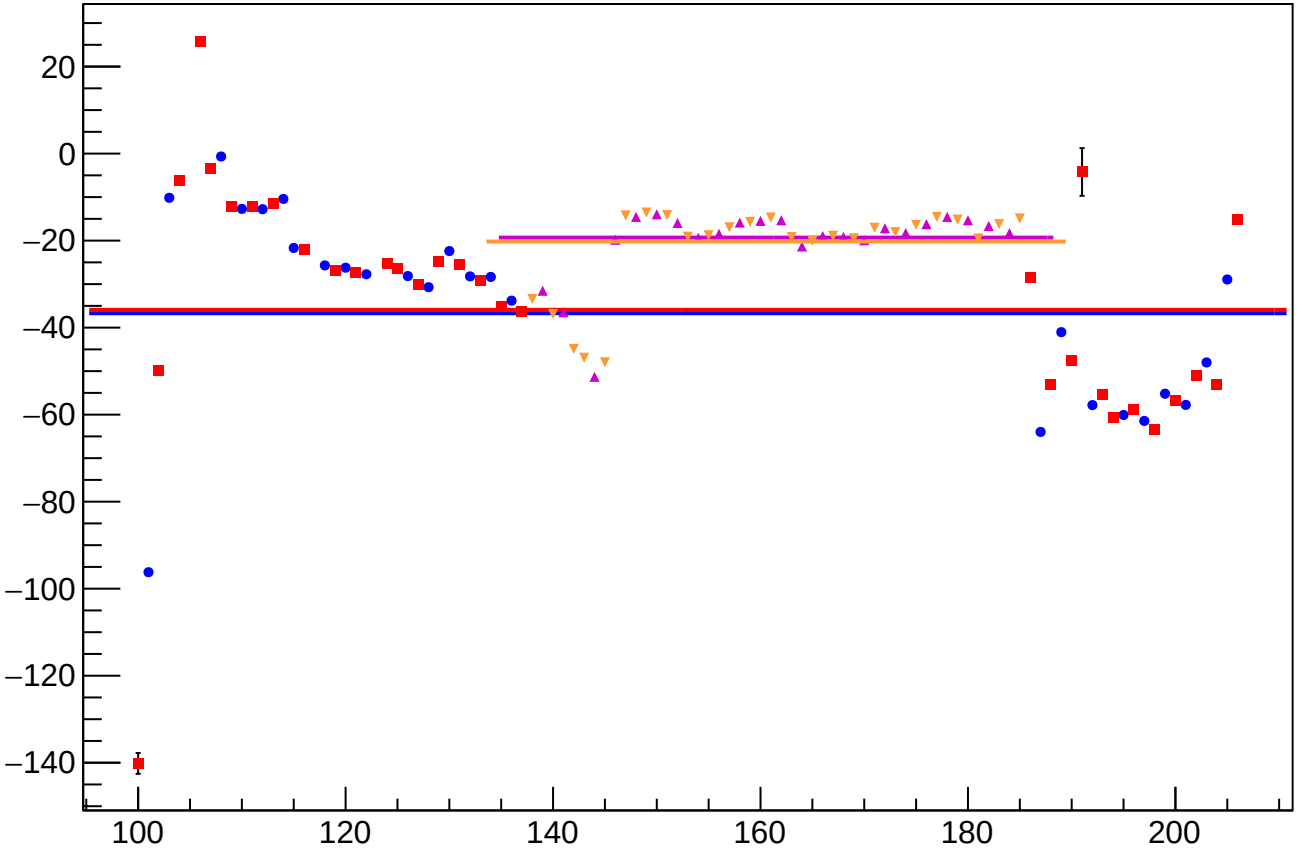
Right: -25.153+/-0.593 χ^2/NDF: 1637.1/55

In: -19.915+/-0.450 χ^2/NDF:1094.4/47

Out: -19.618+/-0.431 χ^2/NDF:1193.9/55

All: -19.759+/-0.311 χ^2/NDF: 2288.5/103

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -36.690+/-0.043 χ^2/NDF: 198415.2/24

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -35.906+/-0.040 χ^2/NDF: 291664.7/30

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

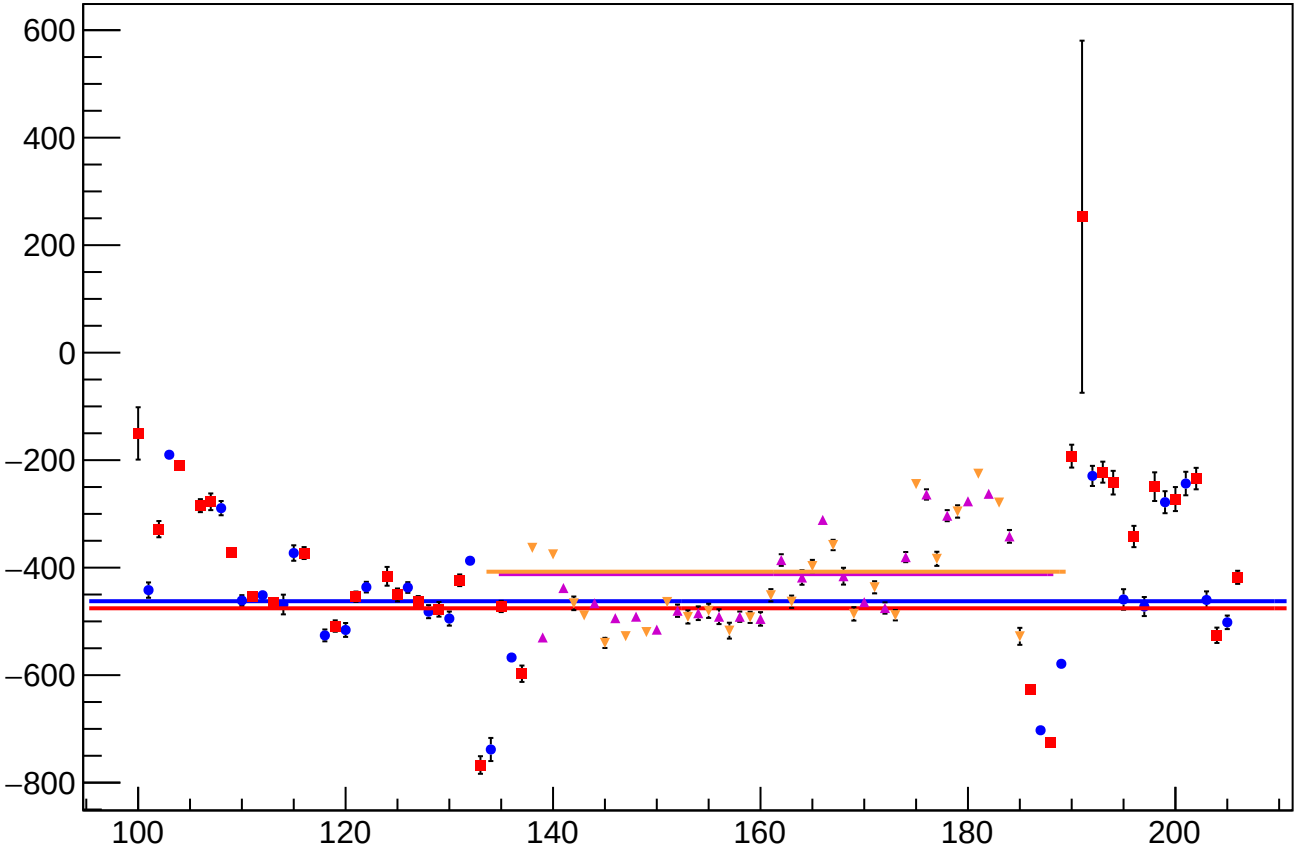
Right: -36.275+/-0.029 χ^2/NDF: 490256.8/55

In: -23.265+/-0.020 χ^2/NDF:418486.6/47

Out: -24.018+/-0.020 χ^2/NDF:552801.1/55

All: -23.652+/-0.014 χ^2/NDF: 971985.2/103

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -462.432+/-2.322 χ^2/NDF: 2816.2/24

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -475.625+/-2.029 χ^2/NDF: 6112.1/30

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

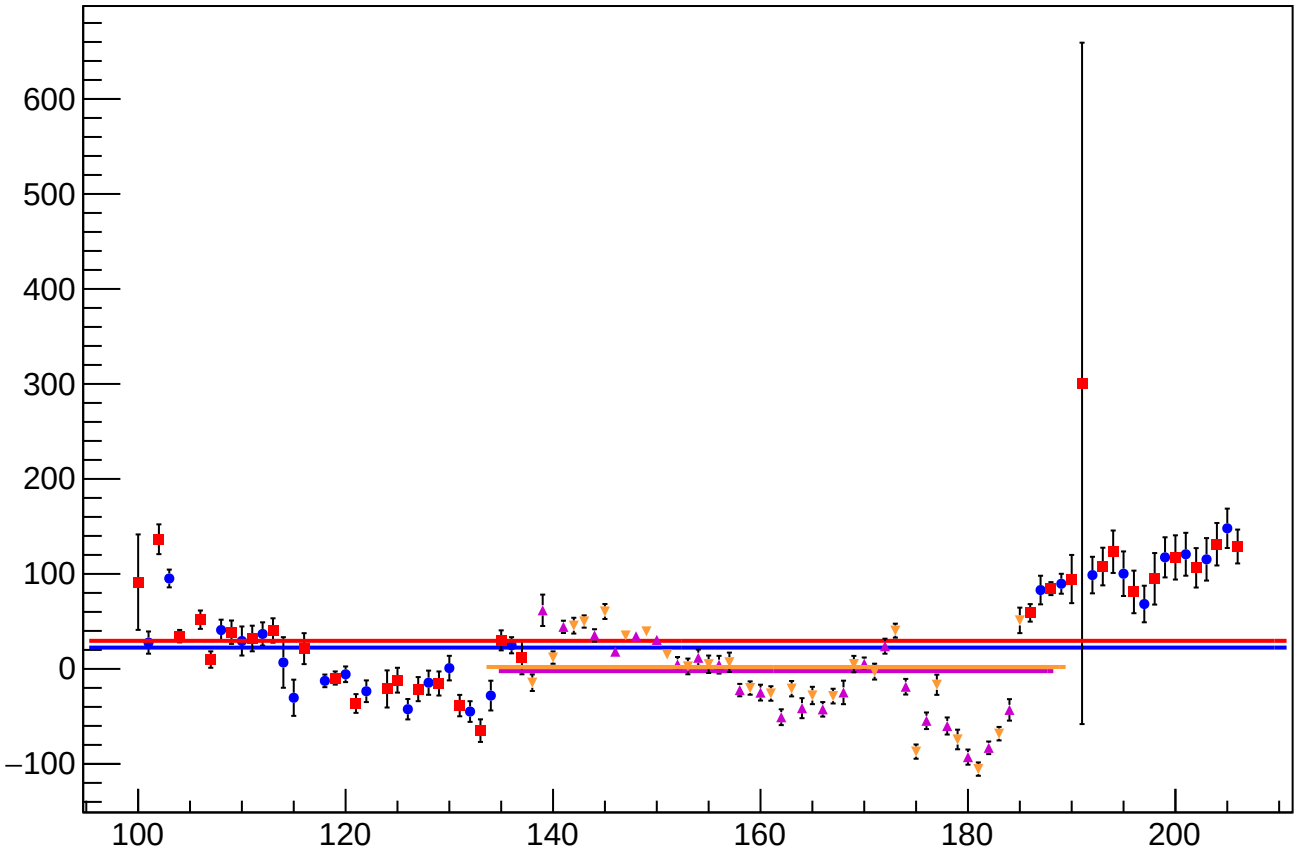
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -469.912+/-1.528 χ^2/NDF: 8946.6/55

In: -433.646+/-1.519 χ^2/NDF:5267.4/47

Out: -440.257+/-1.406 χ^2/NDF:9569.5/55

All: -437.206+/-1.032 χ^2/NDF: 14847.1/103



Right In: 22.442+/-2.472 χ^2/NDF: 408.0/24

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 29.565+/-2.208 χ^2/NDF: 489.7/30

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

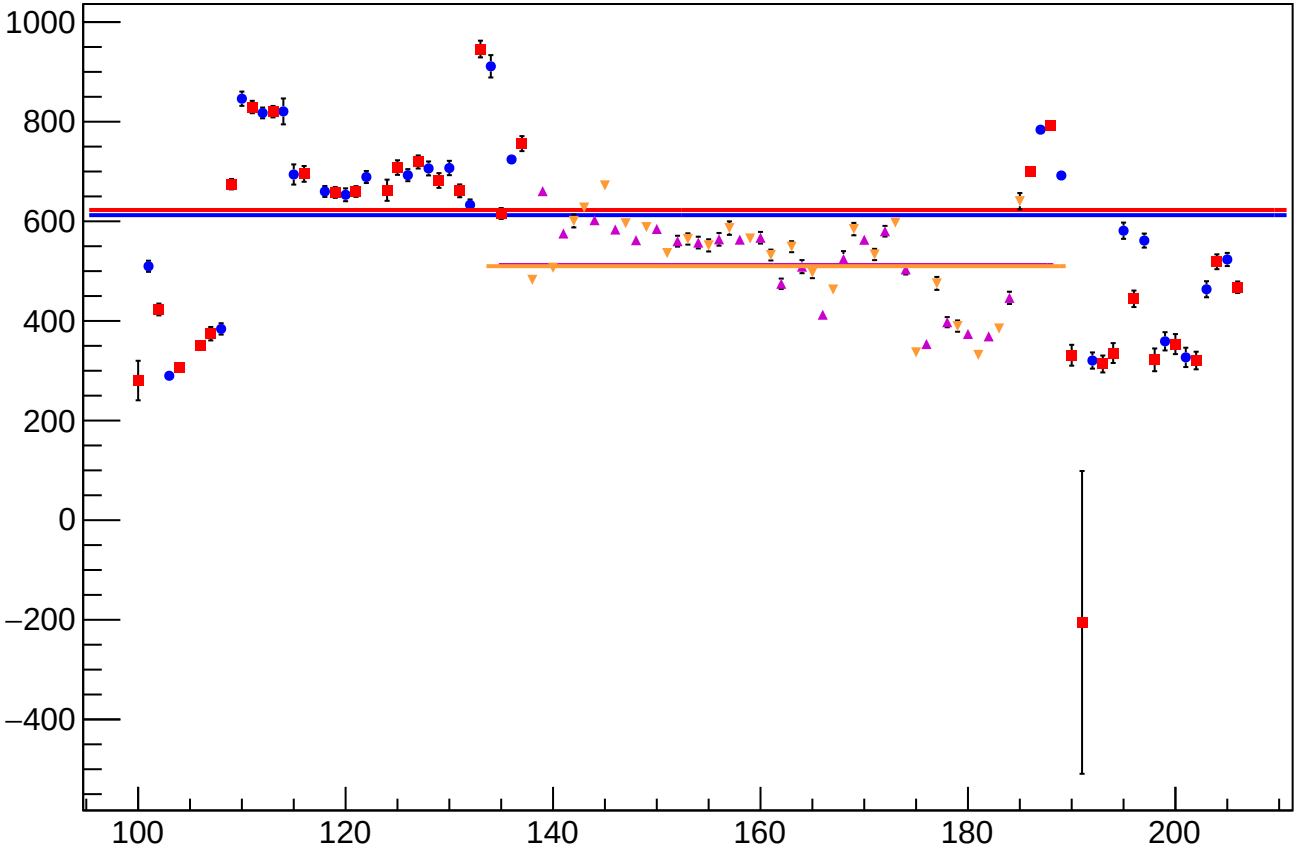
Right: 26.404+/-1.647 χ^2/NDF: 902.4/55

In: 4.196+/-1.271 χ^2/NDF:1215.4/47

Out: 10.136+/-1.198 χ^2/NDF:1510.1/55

All: 7.342+/-0.872 χ^2/NDF: 2737.1/103

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 612.377+/-2.350 χ^2/NDF: 5379.7/24

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.772+/-1.981 χ^2/NDF: 8806.5/30

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

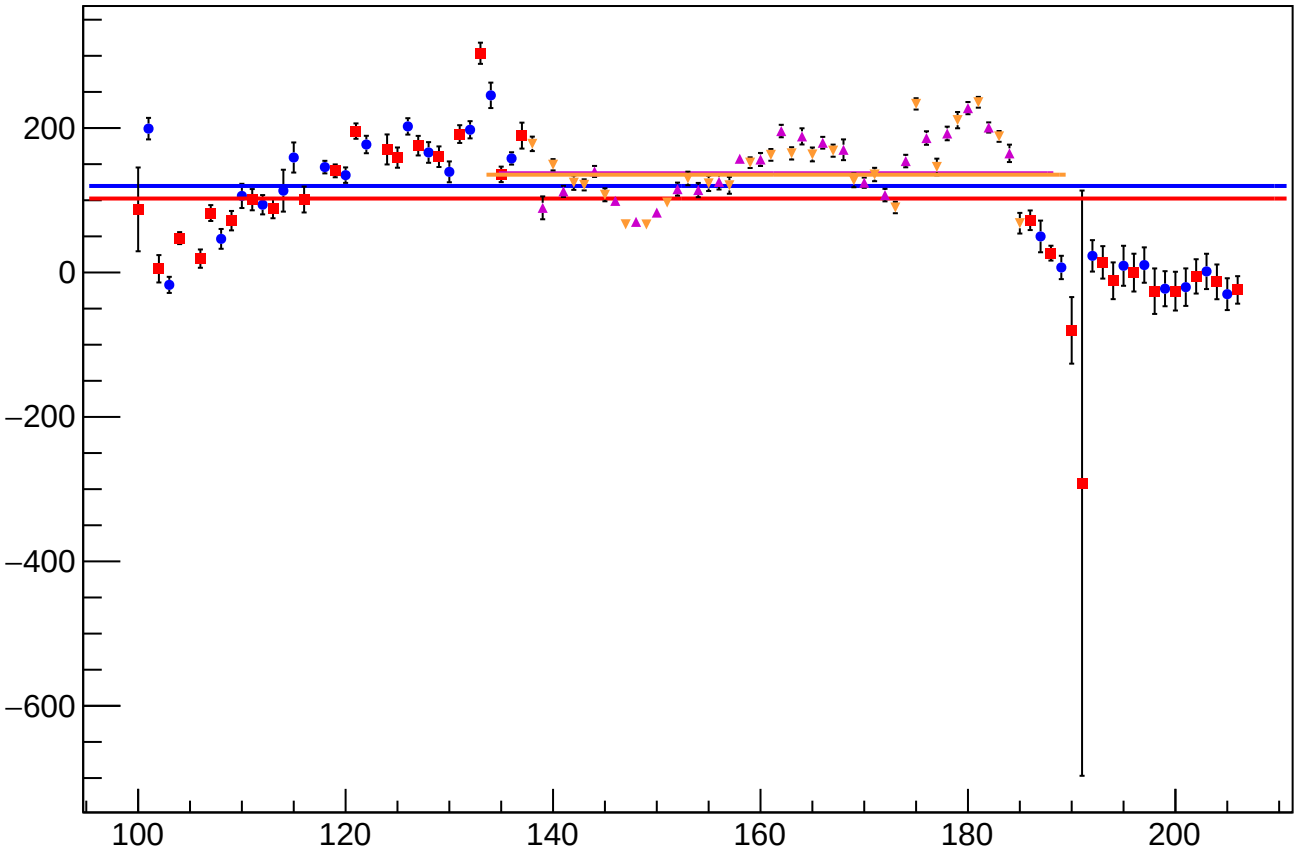
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 618.455+/-1.515 χ^2/NDF: 14197.7/55

In: 553.921+/-1.516 χ^2/NDF:8526.8/47

Out: 565.043+/-1.384 χ^2/NDF:13129.8/55

All: 559.986+/-1.022 χ^2/NDF: 21685.9/103



Right In: 119.786+/-2.904 χ^2/NDF: 675.3/24

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 102.390+/-2.656 χ^2/NDF: 818.3/30

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

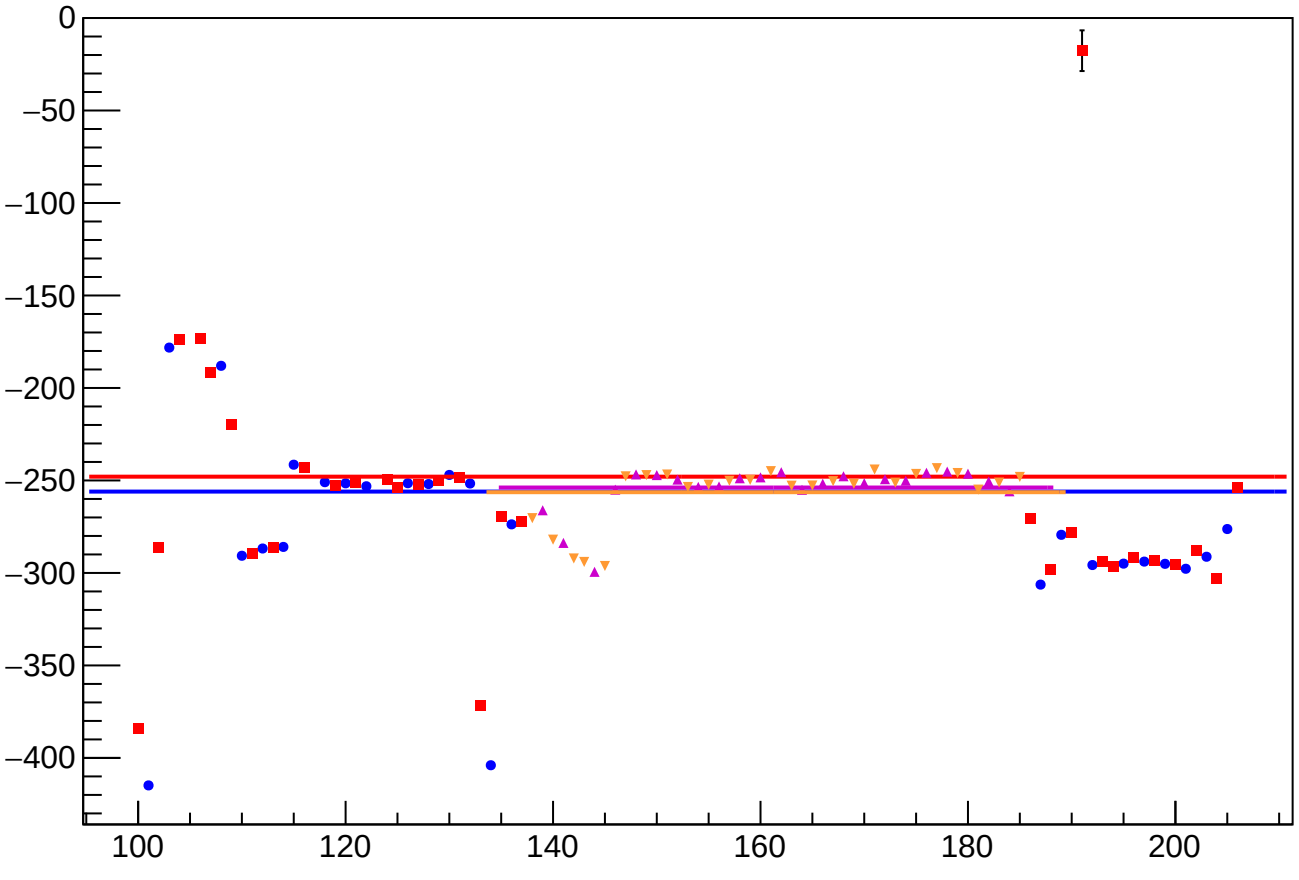
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 110.315+/-1.960 χ^2/NDF: 1513.1/55

In: 132.876+/-1.468 χ^2/NDF:1408.6/47

Out: 126.224+/-1.401 χ^2/NDF:1853.0/55

All: 129.394+/-1.014 χ^2/NDF: 3272.3/103



Right In: -256.014+/-0.140 χ^2/NDF: 197834.9/24

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.950+/-0.131 χ^2/NDF: 148464.4/30

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

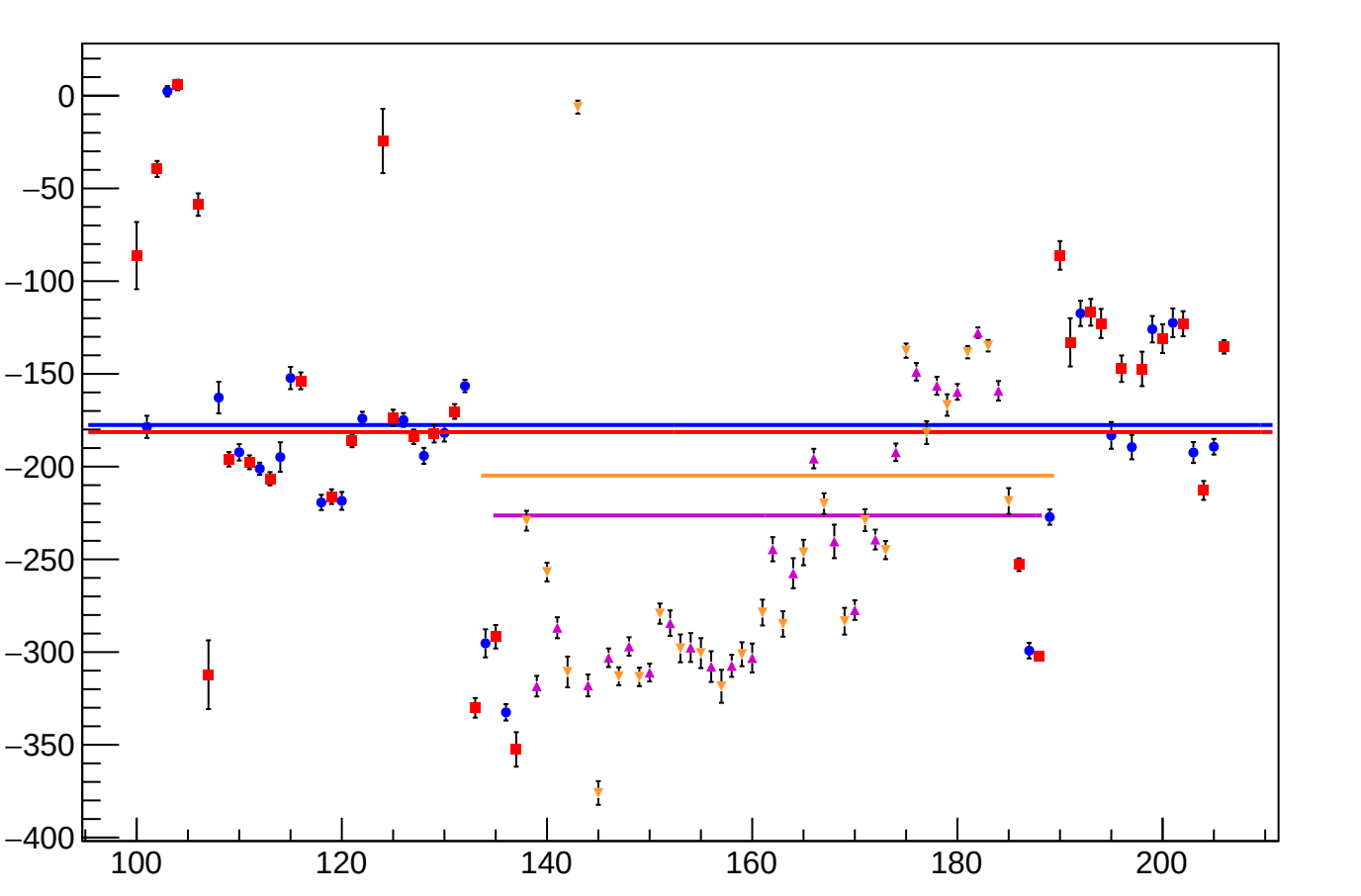
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -251.720+/-0.096 χ^2/NDF: 348068.9/55

In: -254.337+/-0.068 χ^2/NDF:222100.0/47

Out: -254.190+/-0.066 χ^2/NDF:191026.5/55

All: -254.262+/-0.048 χ^2/NDF: 413128.9/103



Right In: -177.563+/-0.926 χ^2/NDF: 7155.9/24

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -181.354+/-0.832 χ^2/NDF: 11560.8/30

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

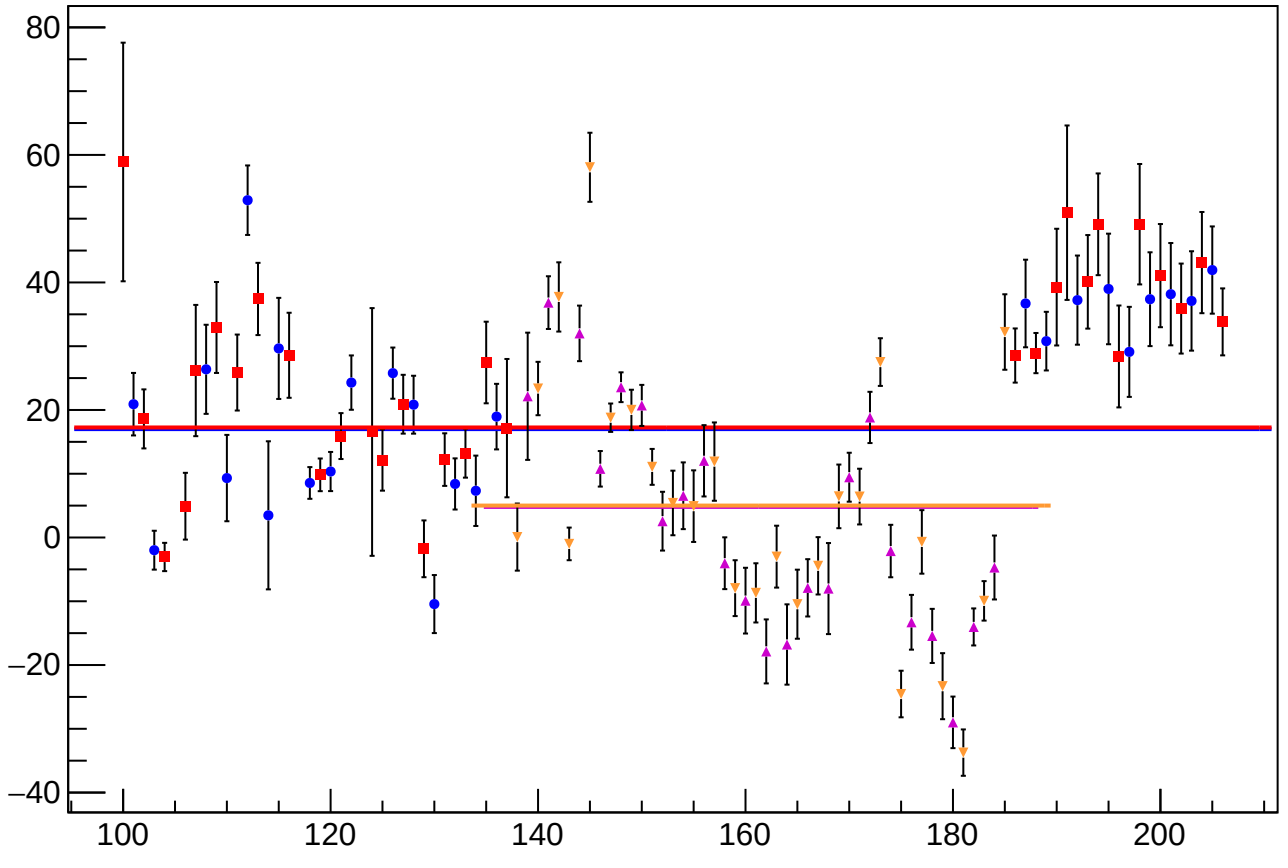
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -179.660+/-0.619 χ^2/NDF: 18725.9/55

In: -197.694+/-0.710 χ^2/NDF:12520.9/47

Out: -190.414+/-0.653 χ^2/NDF:19695.0/55

All: -193.750+/-0.480 χ^2/NDF: 32272.9/103



Right In: 17.000+/-0.973 χ^2/NDF: 228.2/24

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 17.255+/-0.893 χ^2/NDF: 259.2/30

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

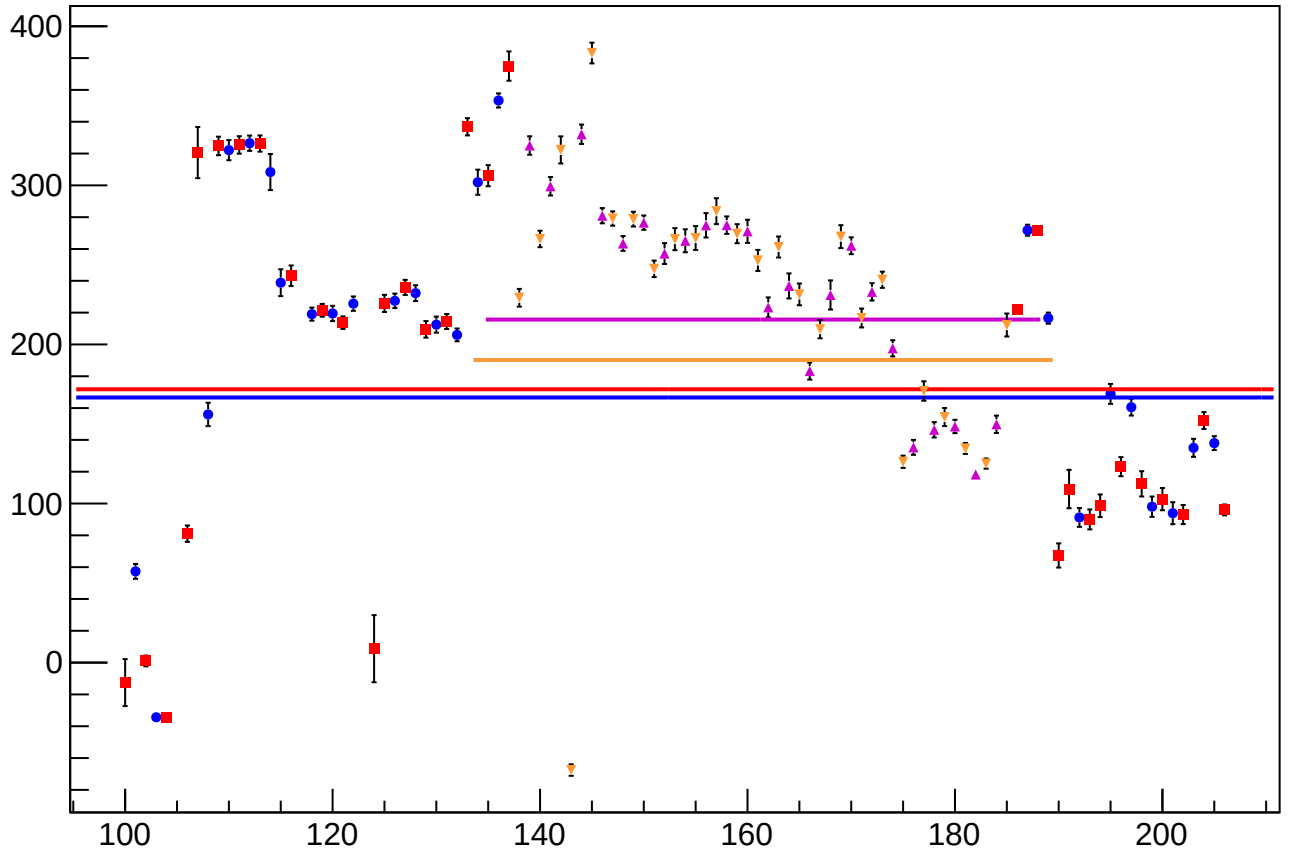
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 17.138+/-0.658 χ^2/NDF: 487.4/55

In: 10.057+/-0.638 χ^2/NDF:744.0/47

Out: 10.410+/-0.593 χ^2/NDF:912.8/55

All: 10.247+/-0.435 χ^2/NDF: 1657.0/103



Right In: 166.657+/-0.931 χ^2/NDF: 15567.7/24

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 171.820+/-0.808 χ^2/NDF: 21367.2/30

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

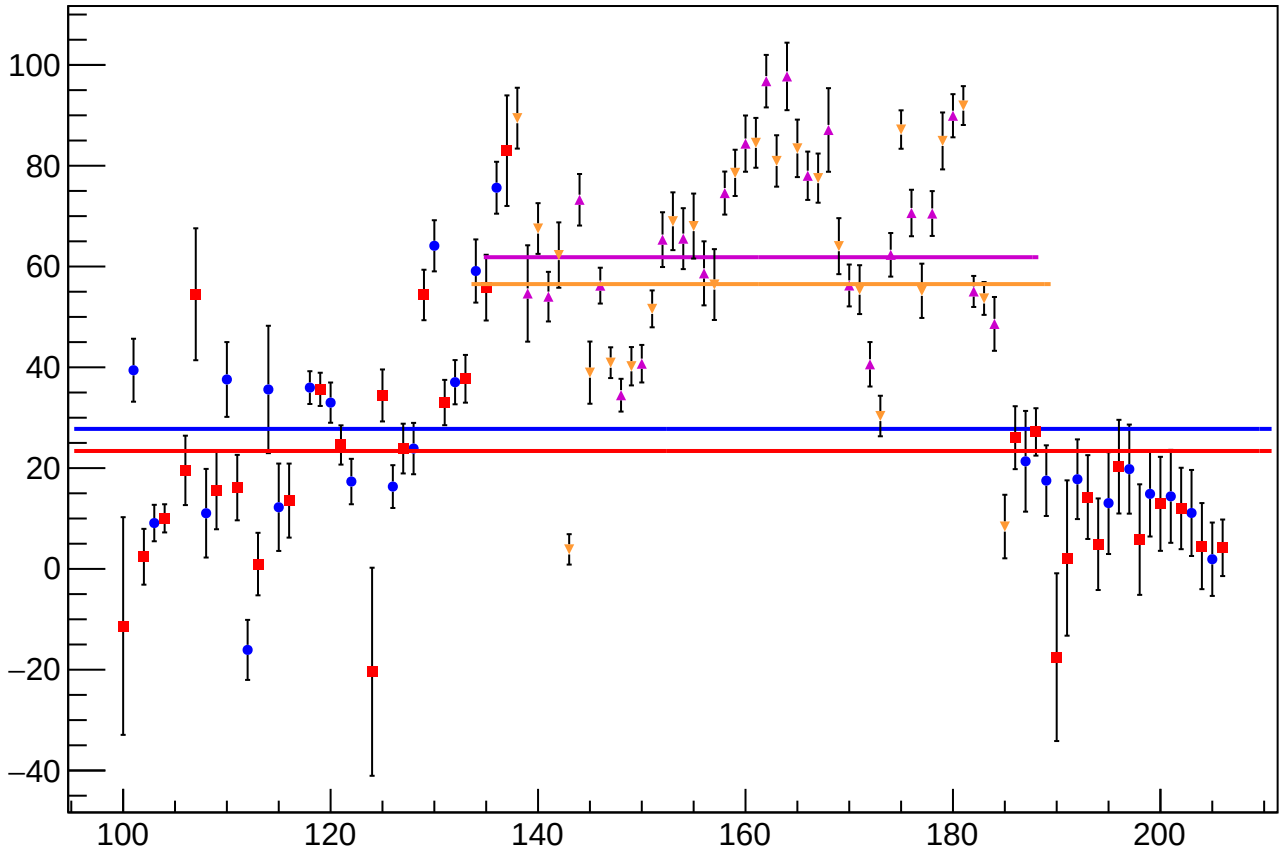
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 169.602+/-0.610 χ^2/NDF: 36952.5/55

In: 187.129+/-0.710 χ^2/NDF:20612.1/47

Out: 178.659+/-0.640 χ^2/NDF:30944.1/55

All: 182.457+/-0.475 χ^2/NDF: 51634.7/103



Right In: 27.781+/-1.145 χ^2/NDF: 309.6/24

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 23.399+/-1.068 χ^2/NDF: 228.7/30

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

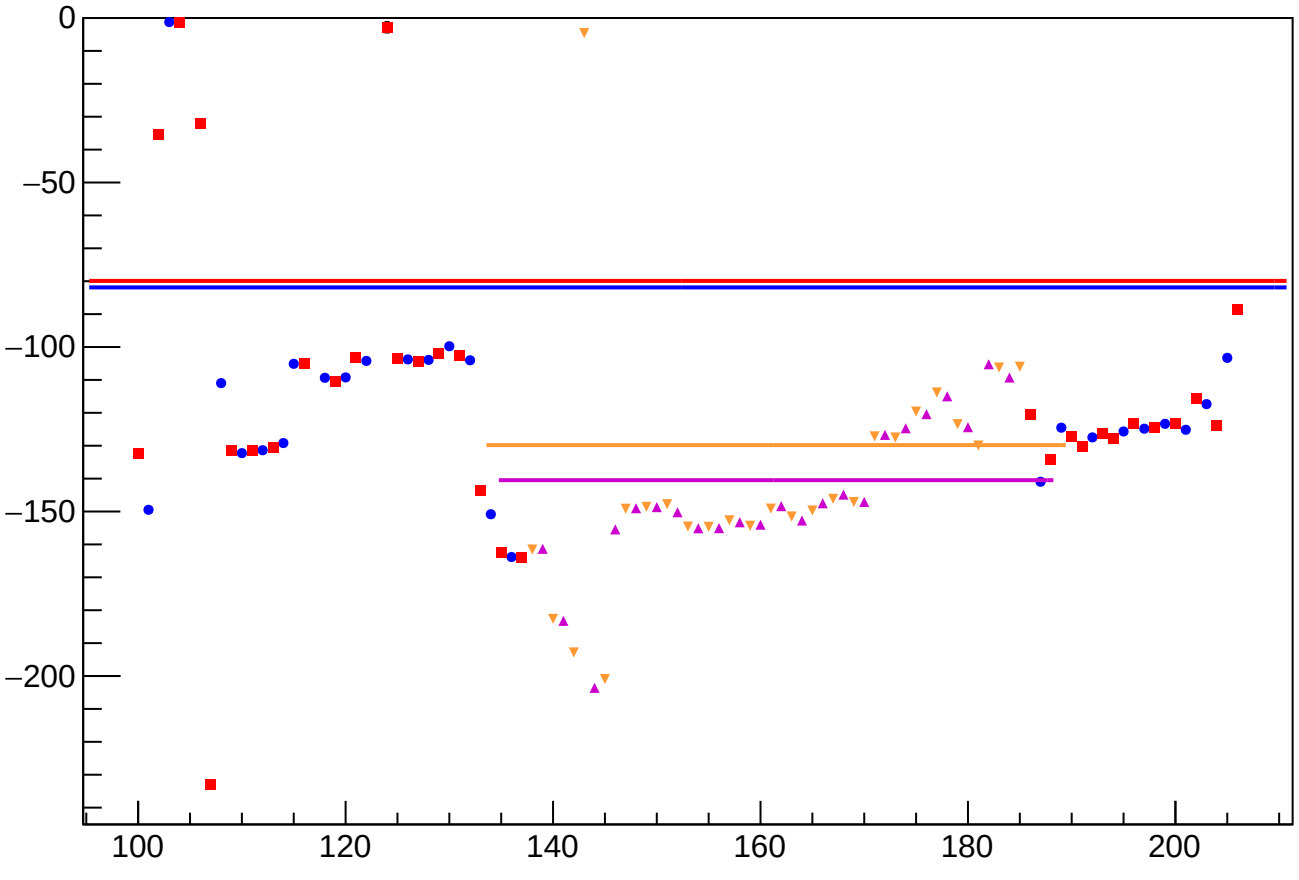
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 25.437+/-0.781 χ^2/NDF: 546.2/55

In: 47.763+/-0.736 χ^2/NDF:1149.5/47

Out: 42.600+/-0.692 χ^2/NDF:1585.2/55

All: 45.022+/-0.504 χ^2/NDF: 2760.9/103



Right In: -81.881+/-0.054 χ^2/NDF: 1295209.0/24

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.901+/-0.050 χ^2/NDF: 1255989.4/30

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

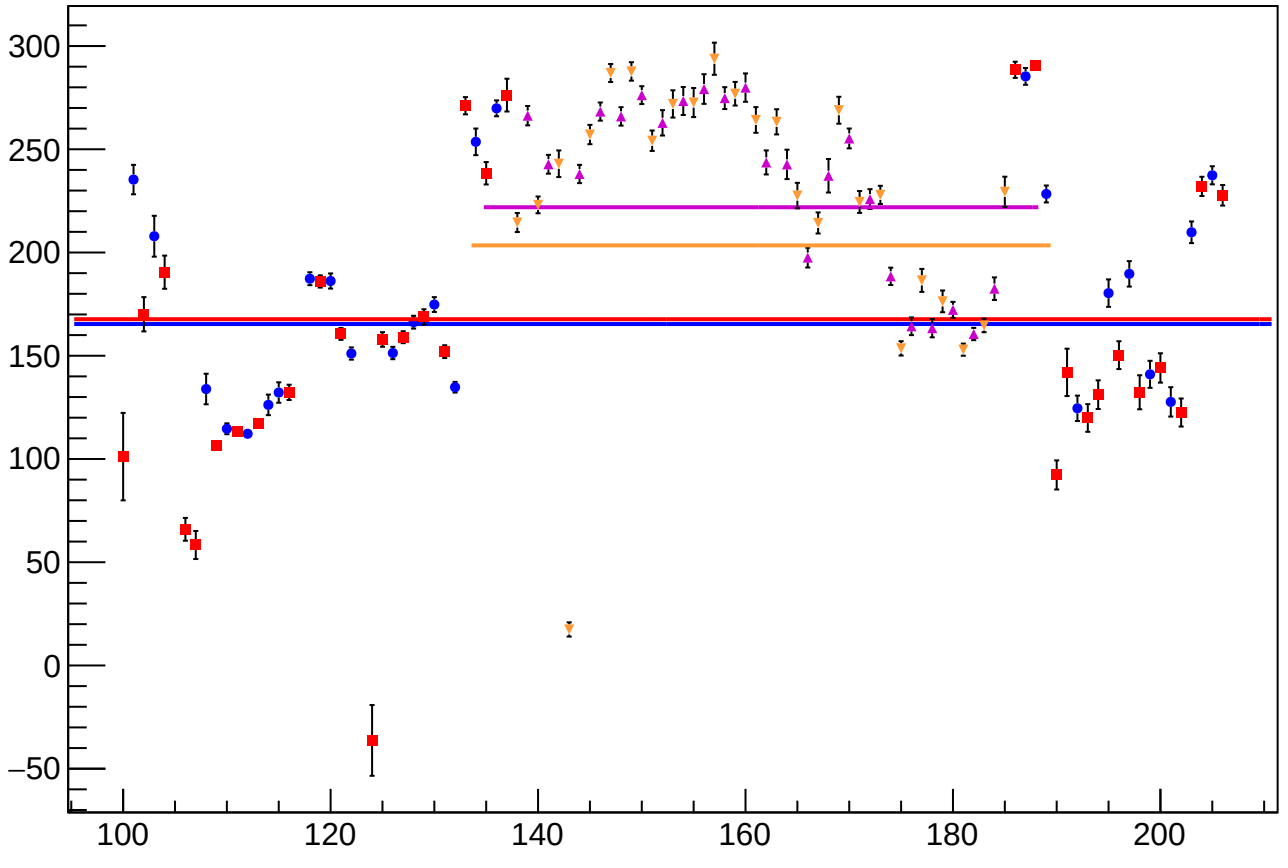
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -80.819+/-0.036 χ^2/NDF: 2551930.6/55

In: -117.085+/-0.034 χ^2/NDF:2268687.7/47

Out: -108.978+/-0.032 χ^2/NDF:2865961.0/55

All: -112.827+/-0.023 χ^2/NDF: 5164778.7/10



Right In: 165.355+/-0.778 χ^2/NDF: 3998.4/24

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.692+/-0.711 χ^2/NDF: 8443.2/30

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

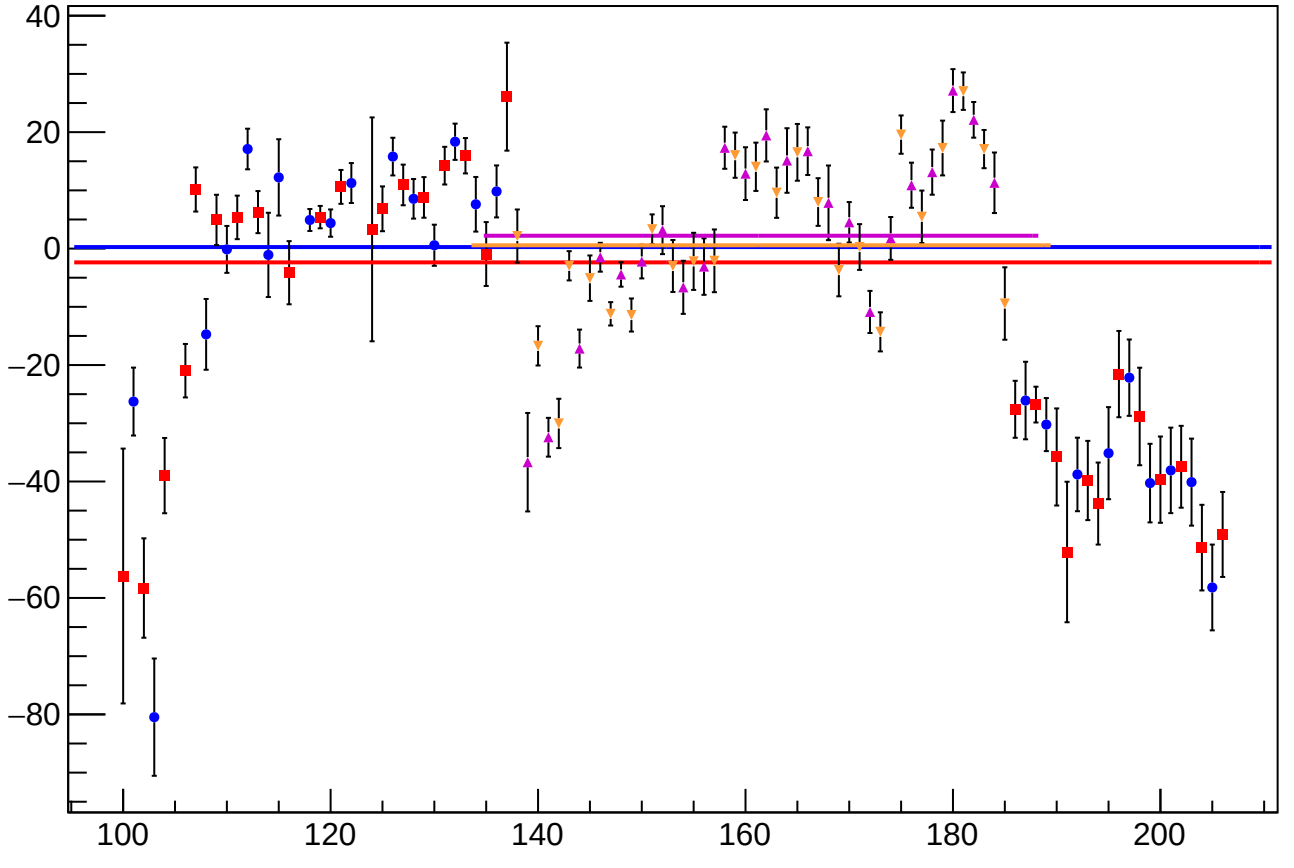
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 166.628+/-0.525 χ^2/NDF: 12446.5/55

In: 186.621+/-0.615 χ^2/NDF:7970.5/47

Out: 180.490+/-0.570 χ^2/NDF:14838.9/55

All: 183.324+/-0.418 χ^2/NDF: 22862.9/103



Right In: 0.262+/-0.824 χ^2/NDF: 493.0/24

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -2.367+/-0.795 χ^2/NDF: 600.4/30

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

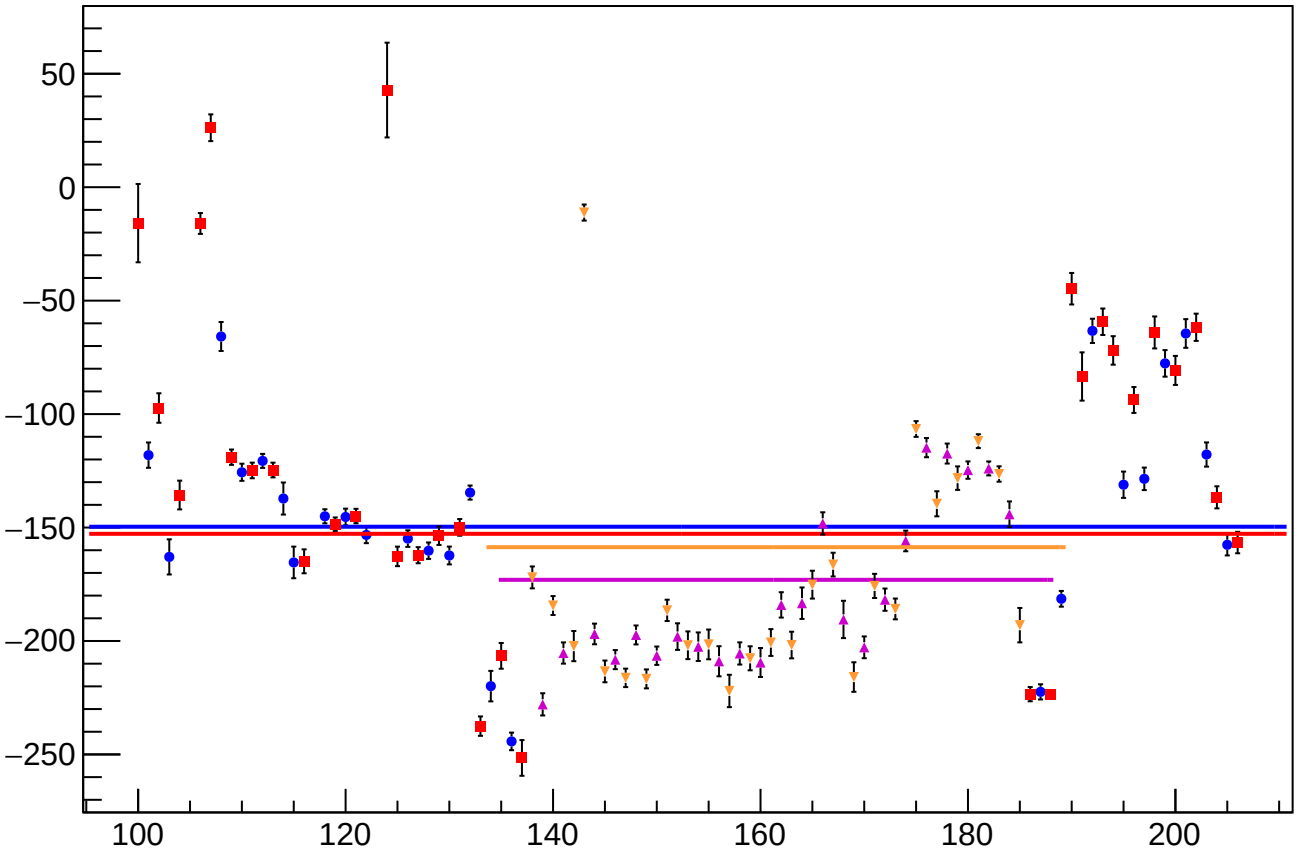
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -1.099+/-0.572 χ^2/NDF: 1098.6/55

In: 1.314+/-0.559 χ^2/NDF:854.1/47

Out: -0.746+/-0.532 χ^2/NDF:953.4/55

All: 0.233+/-0.385 χ^2/NDF: 1814.6/103



Right In: -149.644+/-0.857 χ^2/NDF: 2315.5/24

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.768+/-0.764 χ^2/NDF: 6414.7/30

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

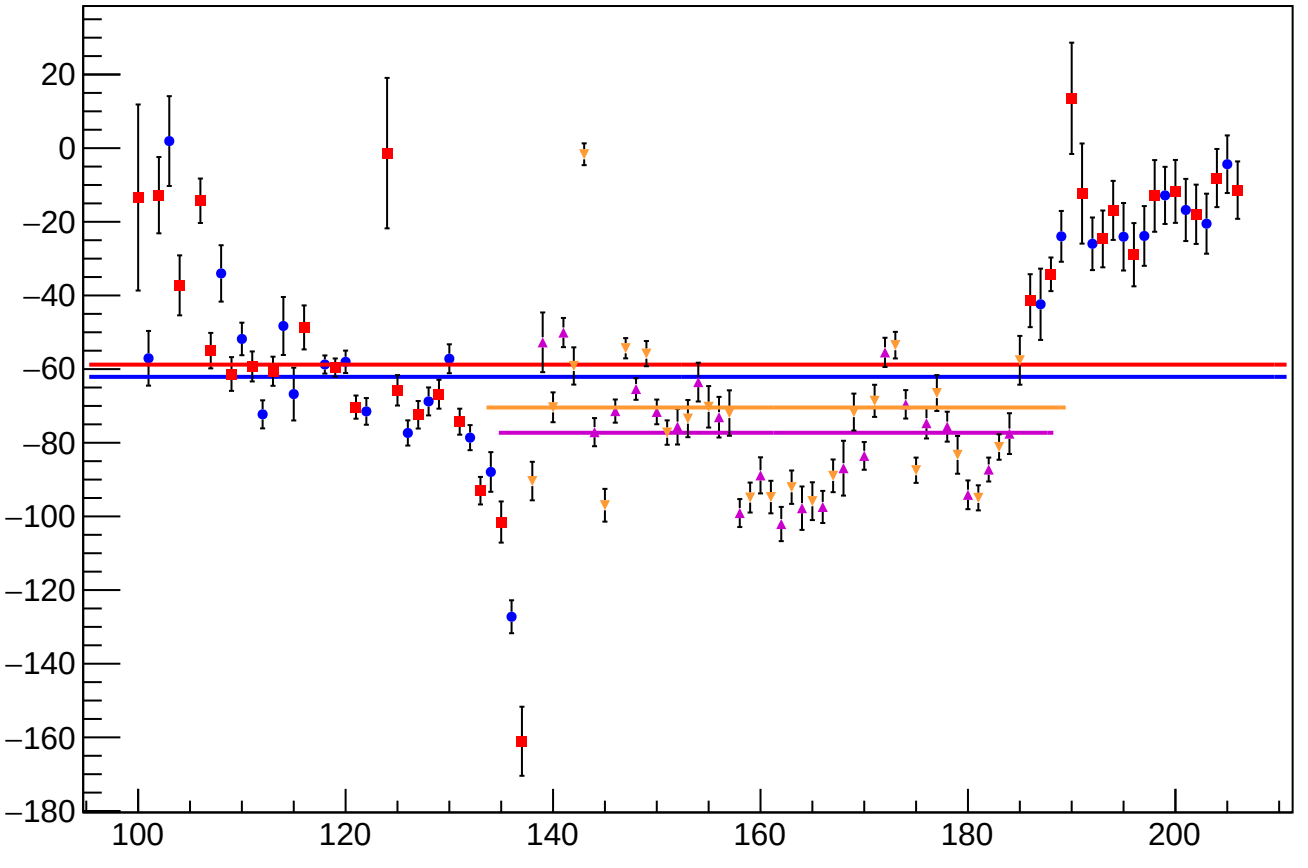
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.384+/-0.570 χ^2/NDF: 8737.7/55

In: -159.598+/-0.649 χ^2/NDF:4032.9/47

Out: -155.081+/-0.596 χ^2/NDF:9929.8/55

All: -157.145+/-0.439 χ^2/NDF: 13989.0/103



Right In: -62.104+/-0.964 χ^2/NDF: 600.5/24

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -58.784+/-0.933 χ^2/NDF: 695.1/30

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

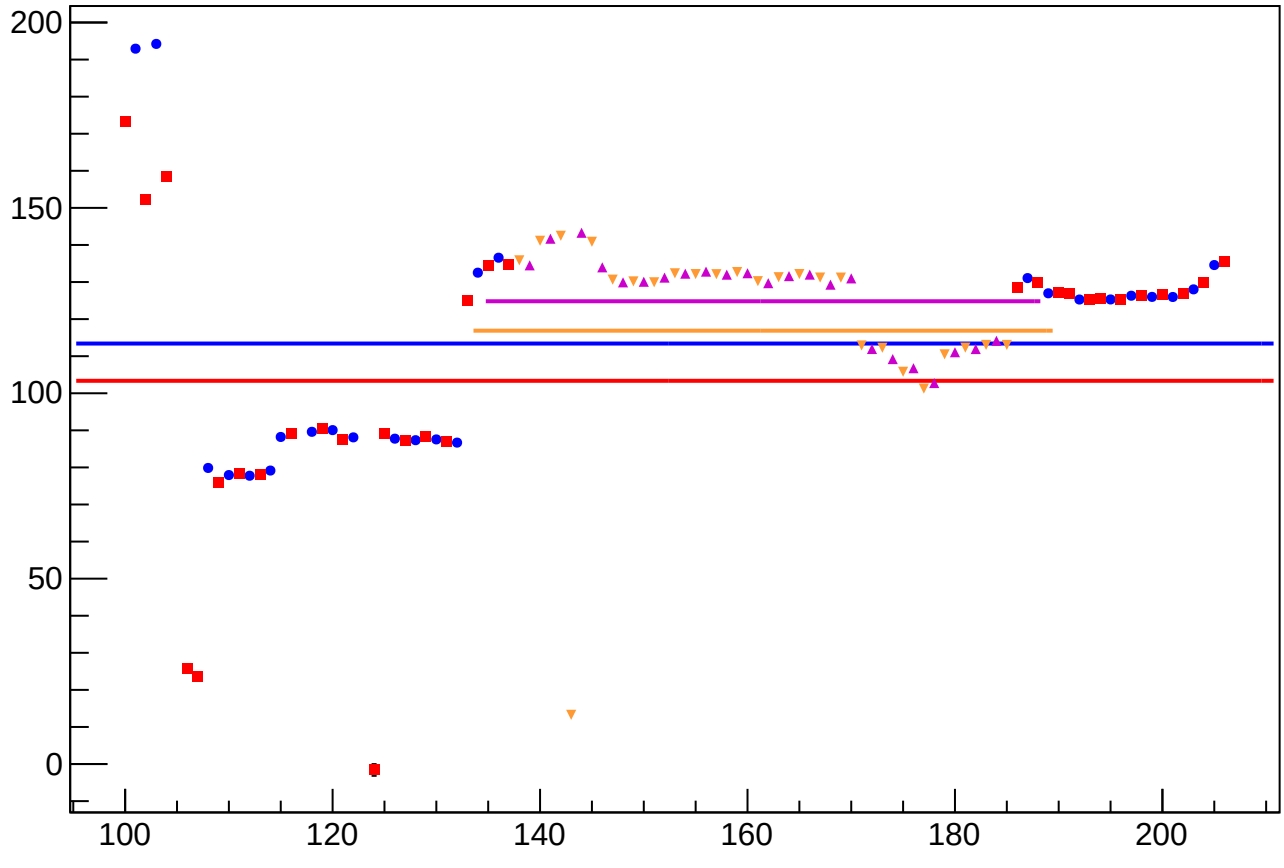
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -60.390+/-0.670 χ^2/NDF: 1301.7/55

In: -70.505+/-0.644 χ^2/NDF:992.2/47

Out: -65.344+/-0.616 χ^2/NDF:1684.5/55

All: -67.812+/-0.445 χ^2/NDF: 2710.2/103



Right In: 113.411+/-0.056 χ^2/NDF: 272910.0/24

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 103.364+/-0.051 χ^2/NDF: 520775.2/30

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

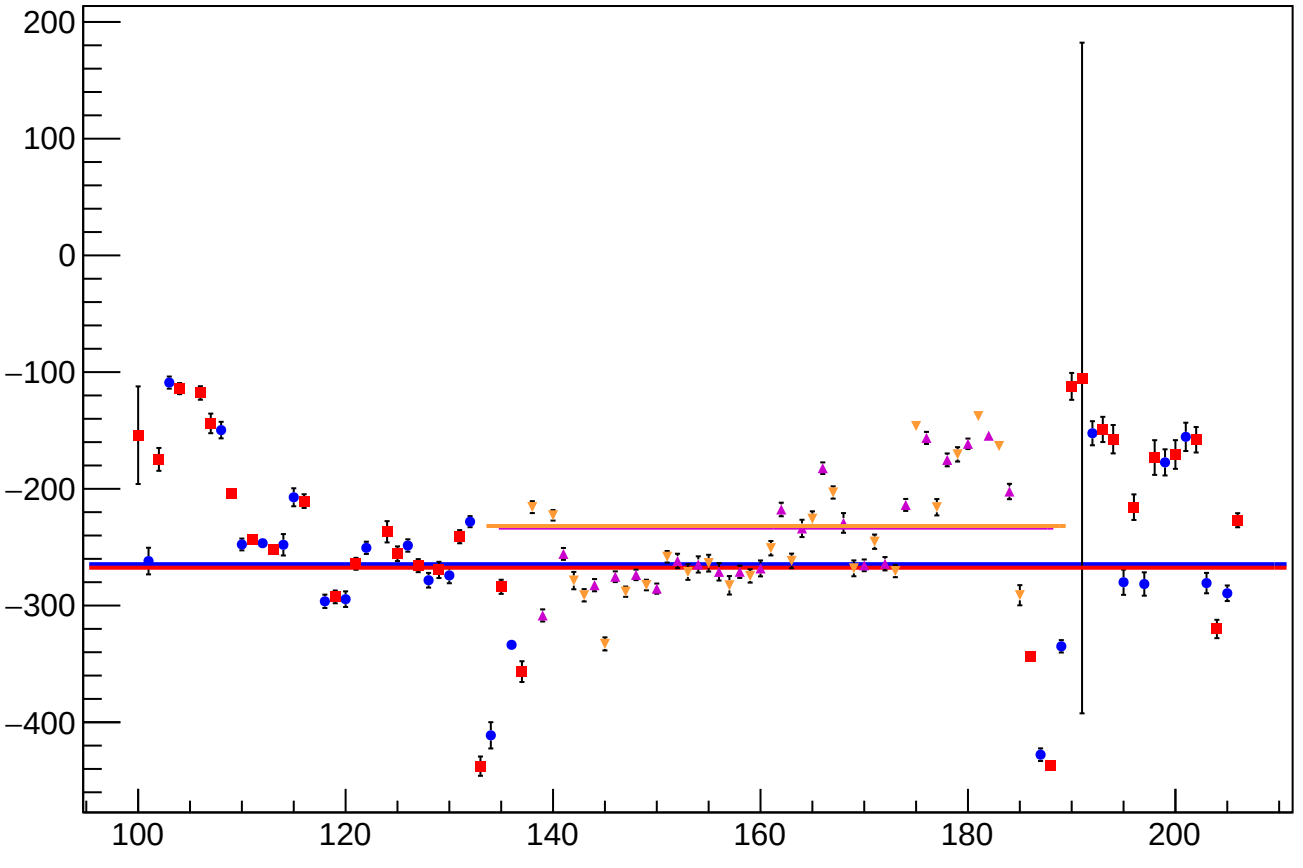
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 107.901+/-0.038 χ^2/NDF: 811144.9/55

In: 121.079+/-0.032 χ^2/NDF:388611.0/47

Out: 112.051+/-0.031 χ^2/NDF:1188861.5/55

All: 116.321+/-0.022 χ^2/NDF: 1618790.4/103



Right In: -264.561+/-1.259 χ^2/NDF: 3194.4/24

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.597+/-1.092 χ^2/NDF: 7508.3/30

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

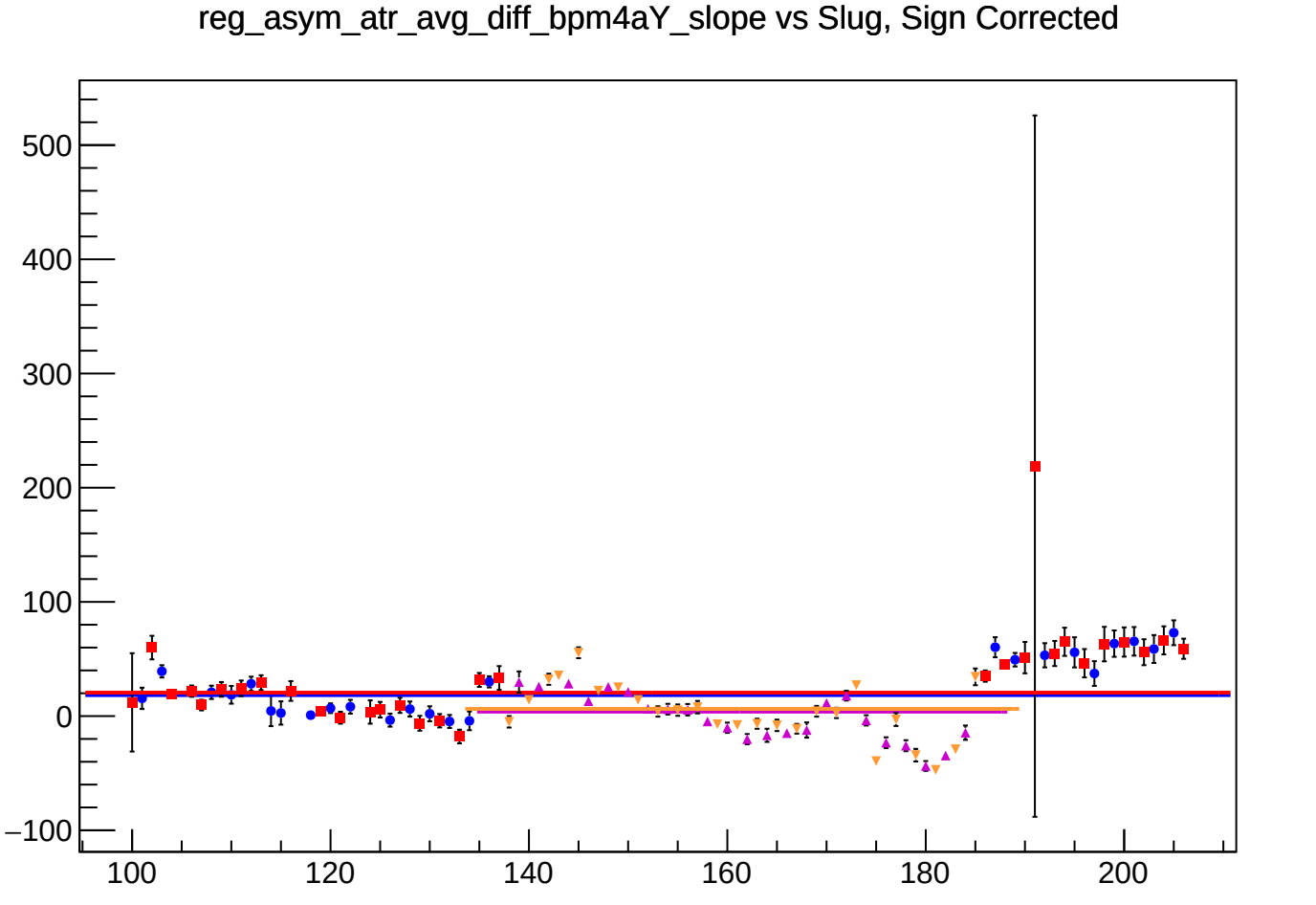
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -266.292+/-0.825 χ^2/NDF: 10706.0/55

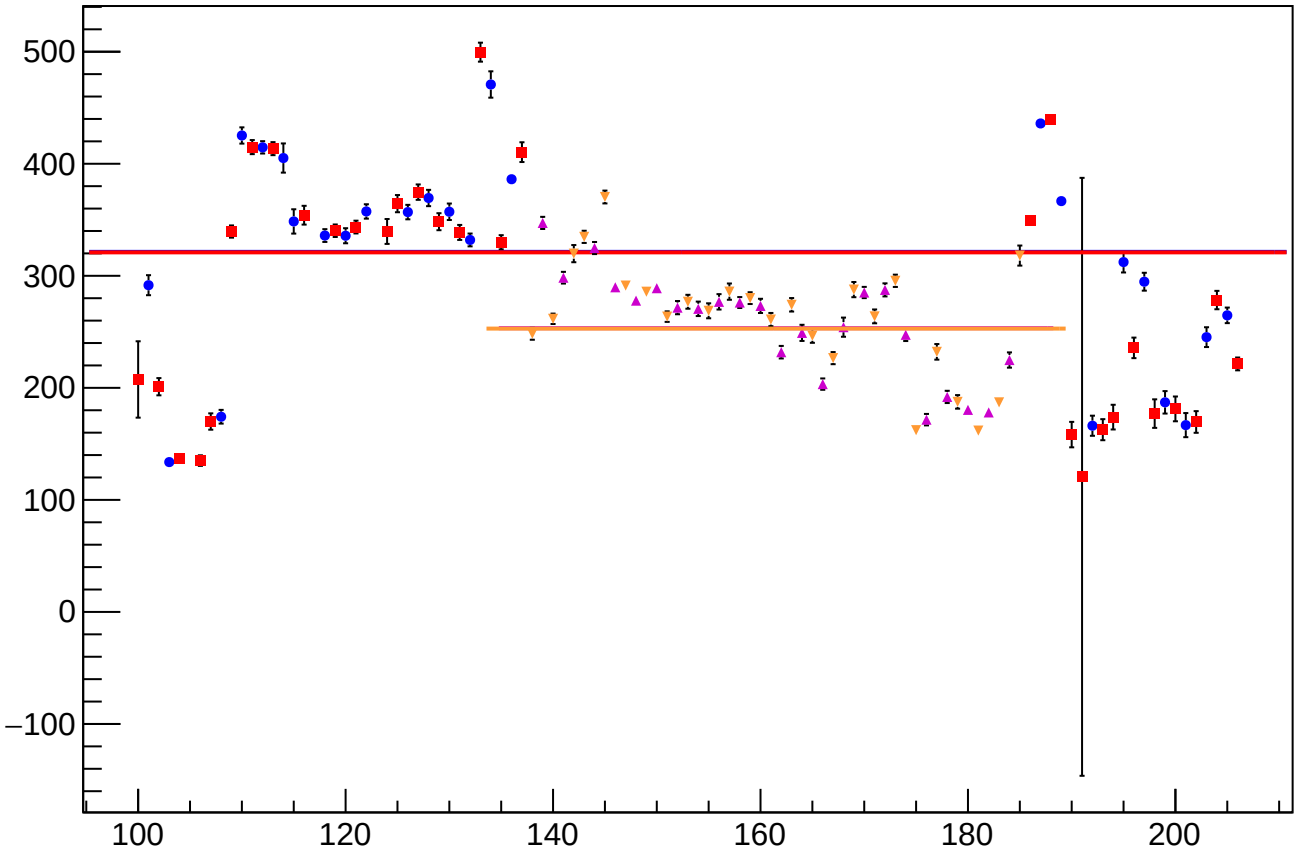
In: -246.919+/-0.831 χ^2/NDF:5610.0/47

Out: -249.521+/-0.768 χ^2/NDF:10726.4/55

All: -248.323+/-0.564 χ^2/NDF: 16341.7/103


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 18.387+/-1.341 χ²/NDF: 248.2/24
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 20.523+/-1.193 χ²/NDF: 294.7/30
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 19.580+/-0.891 χ²/NDF: 544.3/55
In: 7.834+/-0.699 χ²/NDF:983.5/47
Out: 10.620+/-0.658 χ²/NDF:1265.2/55
All: 9.310+/-0.479 χ²/NDF: 2257.1/103

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 321.368+/-1.301 χ^2/NDF: 5401.3/24

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 320.919+/-1.086 χ^2/NDF: 10091.3/30

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

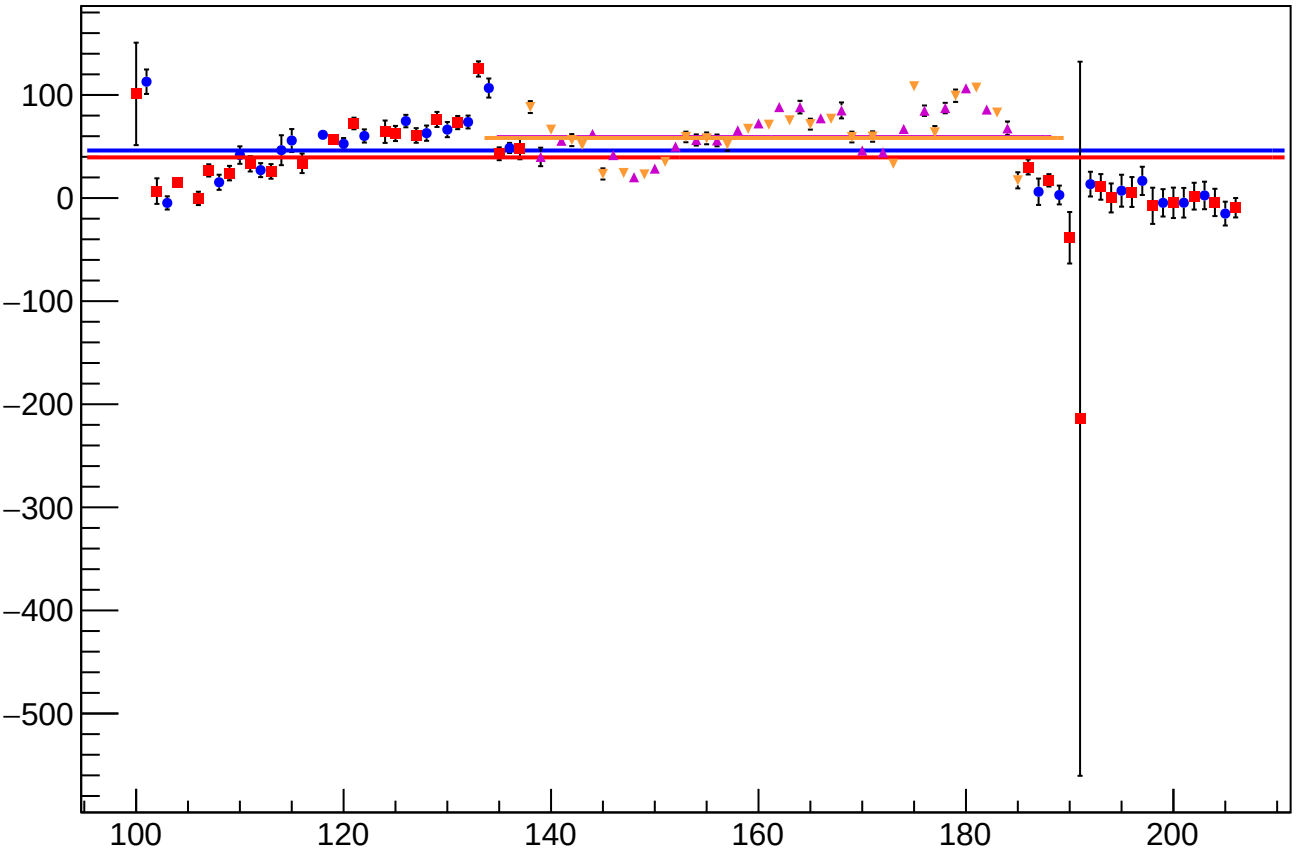
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 321.104+/-0.834 χ^2/NDF: 15492.6/55

In: 281.443+/-0.837 χ^2/NDF:9067.5/47

Out: 286.402+/-0.762 χ^2/NDF:14660.2/55

All: 284.153+/-0.564 χ^2/NDF: 23746.8/103



Right In: 46.145+/-1.572 χ^2/NDF: 352.3/24

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 39.451+/-1.430 χ^2/NDF: 452.5/30

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

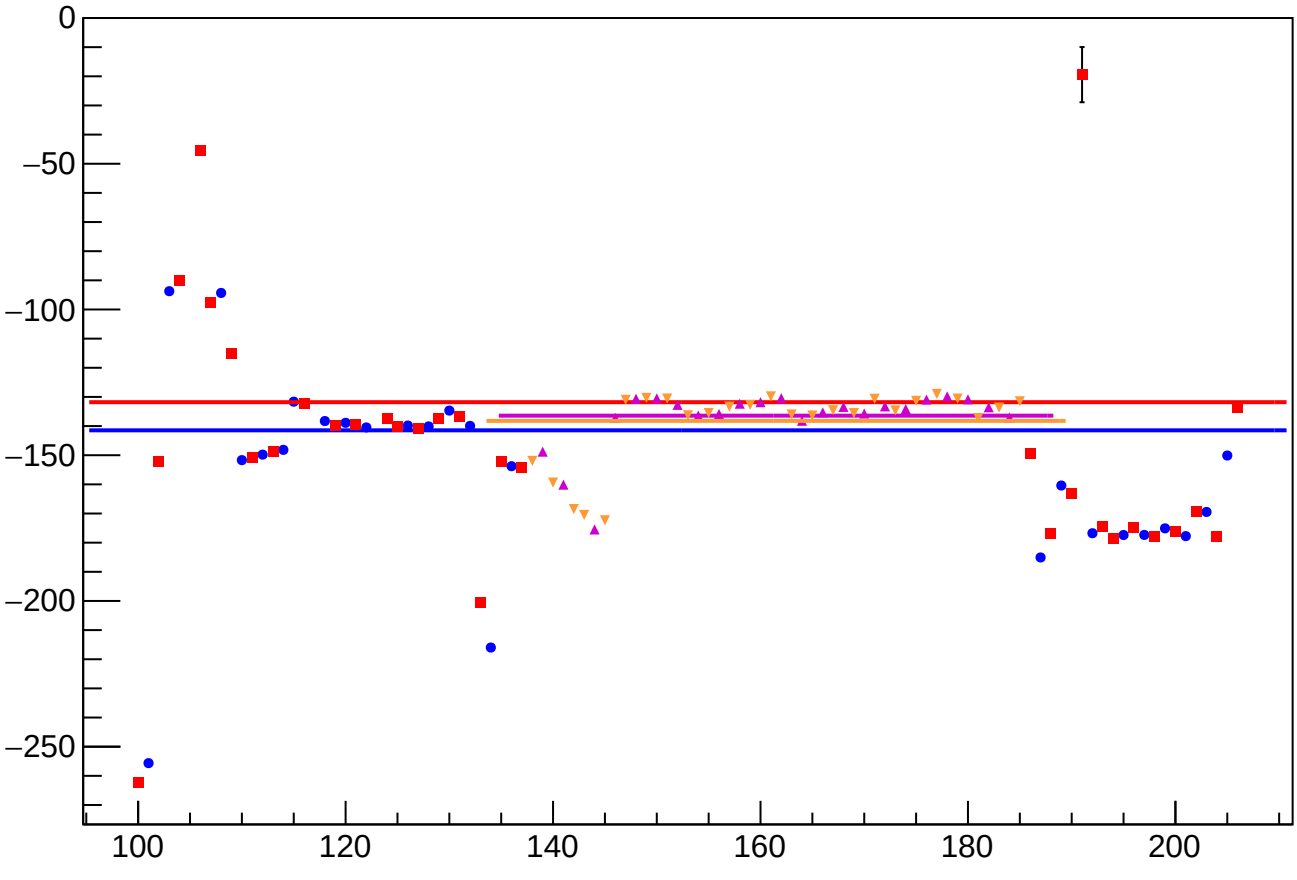
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 42.482+/-1.058 χ^2/NDF: 814.7/55

In: 55.734+/-0.806 χ^2/NDF:1035.2/47

Out: 52.858+/-0.769 χ^2/NDF:1426.4/55

All: 54.228+/-0.556 χ^2/NDF: 2468.2/103



Right In: -141.459+/-0.078 χ^2/NDF: 234468.0/24

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.805+/-0.071 χ^2/NDF: 332768.4/30

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

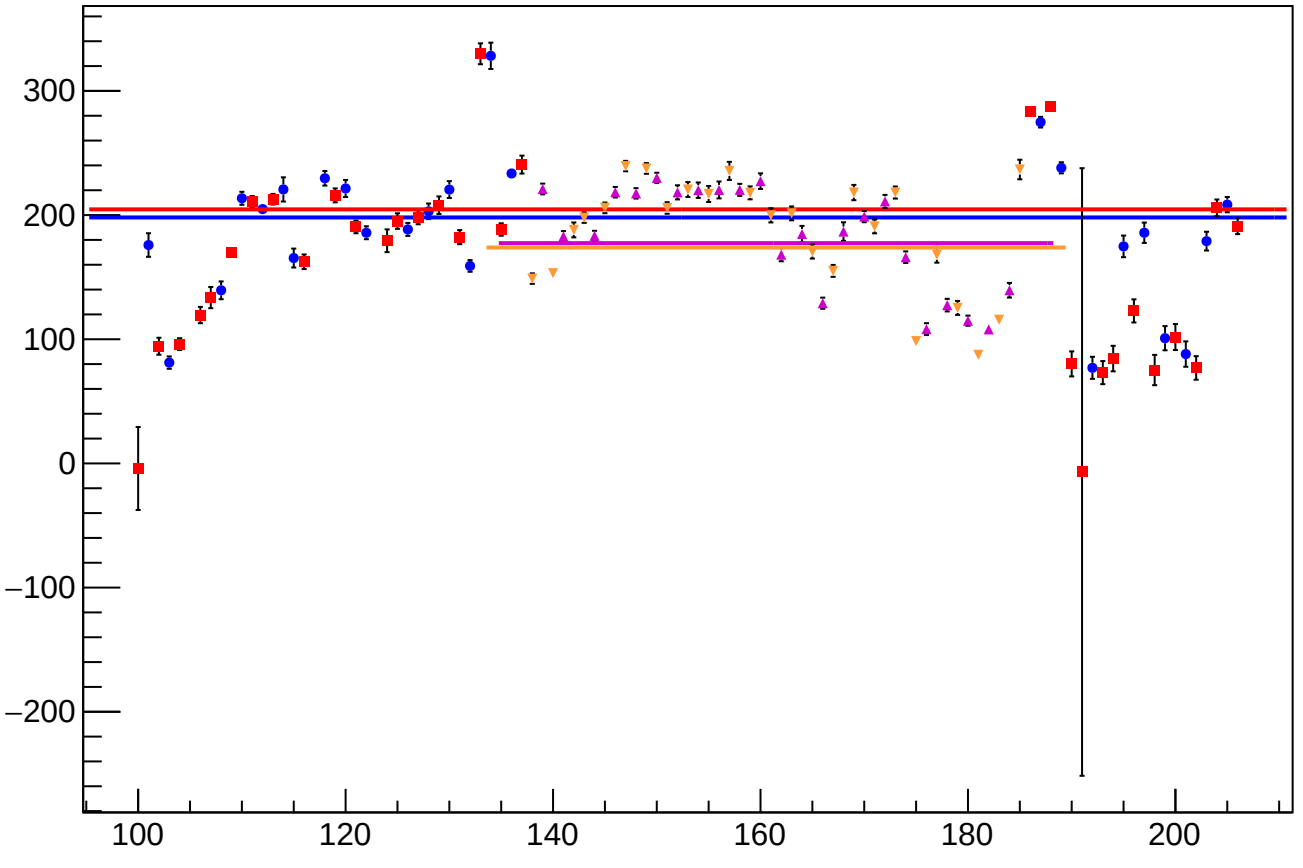
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.213+/-0.053 χ^2/NDF: 575572.0/55

In: -137.597+/-0.038 χ^2/NDF:287458.2/47

Out: -136.542+/-0.037 χ^2/NDF:420547.2/55

All: -137.055+/-0.026 χ^2/NDF: 708410.9/103



Right In: 198.085+/-1.183 χ^2/NDF: 1862.2/24

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.599+/-1.026 χ^2/NDF: 4197.8/30

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

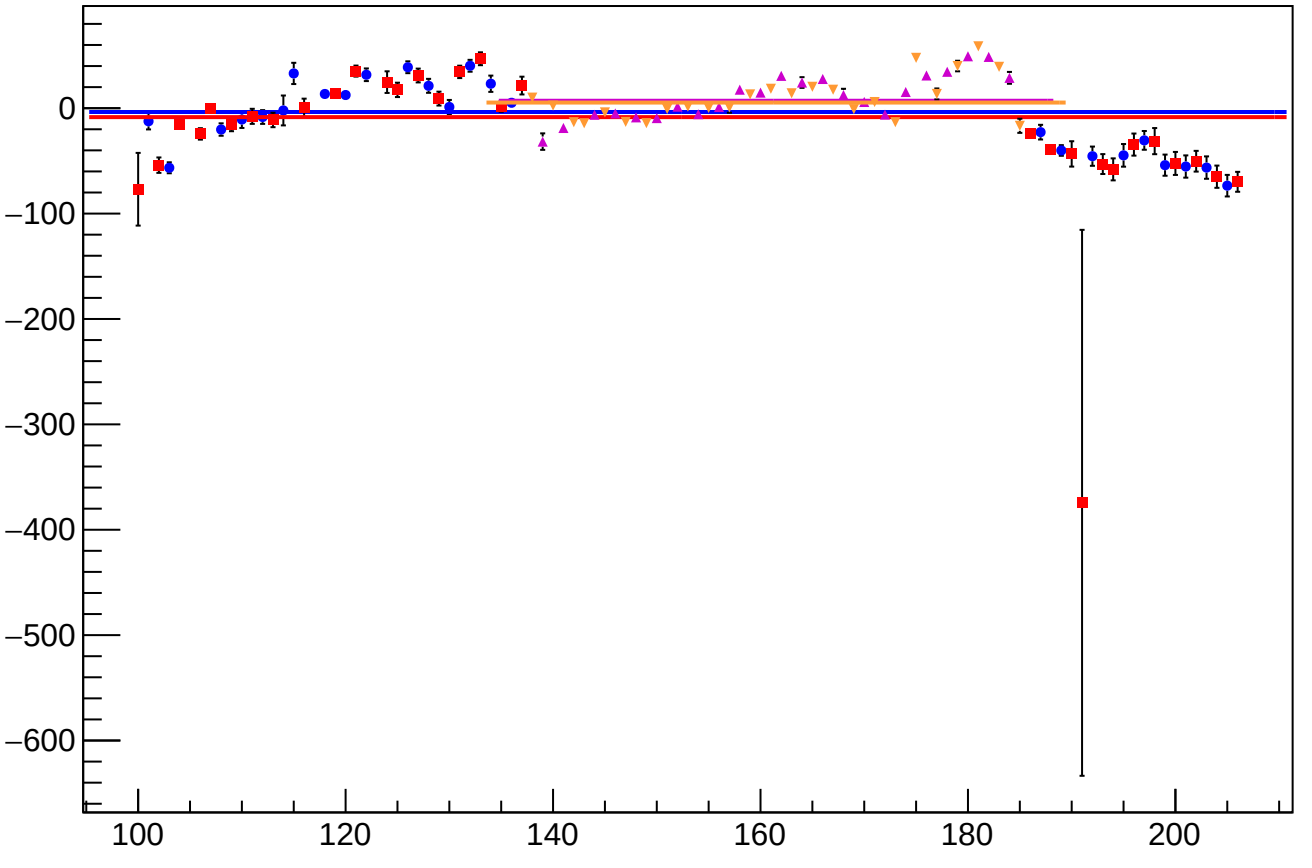
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 201.803+/-0.775 χ^2/NDF: 6077.3/55

In: 185.975+/-0.762 χ^2/NDF:4004.1/47

Out: 188.239+/-0.702 χ^2/NDF:7302.8/55

All: 187.200+/-0.516 χ^2/NDF: 11311.7/103



Right In: -3.607+/-1.279 χ^2/NDF: 572.6/24

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -8.467+/-1.138 χ^2/NDF: 661.7/30

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

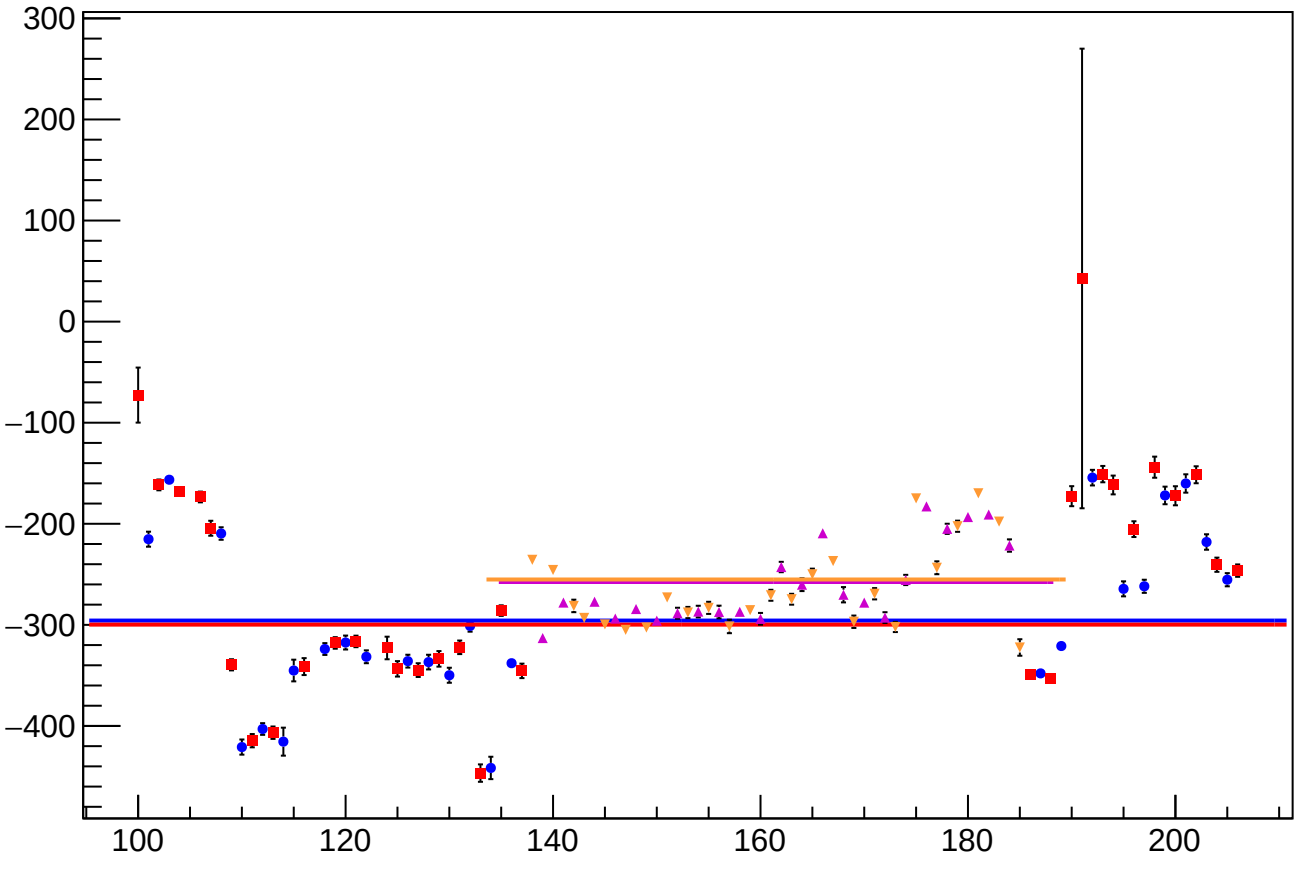
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -6.321+/-0.850 χ^2/NDF: 1242.3/55

In: 4.379+/-0.641 χ^2/NDF:1334.3/47

Out: 1.482+/-0.603 χ^2/NDF:1578.0/55

All: 2.840+/-0.439 χ^2/NDF: 2923.1/103



Right In: -295.753+/-1.191 χ^2/NDF: 4023.9/24

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.763+/-0.991 χ^2/NDF: 6702.8/30

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

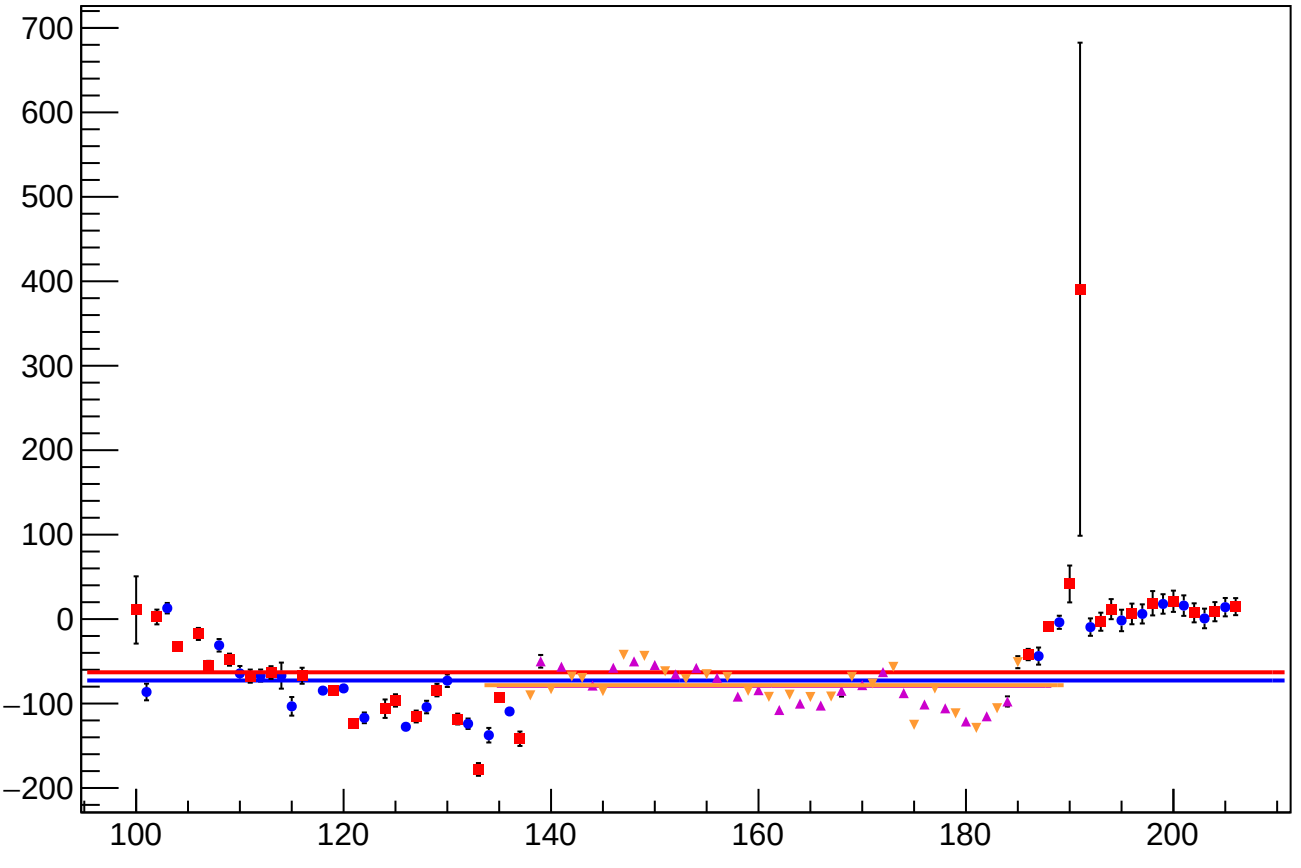
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -298.123+/-0.762 χ^2/NDF: 10733.3/55

In: -273.089+/-0.759 χ^2/NDF:6441.2/47

Out: -276.647+/-0.688 χ^2/NDF:10098.3/55

All: -275.042+/-0.510 χ^2/NDF: 16551.5/103



Right In: -72.711+/-1.499 χ^2/NDF: 1021.0/24

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -63.003+/-1.370 χ^2/NDF: 1288.7/30

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

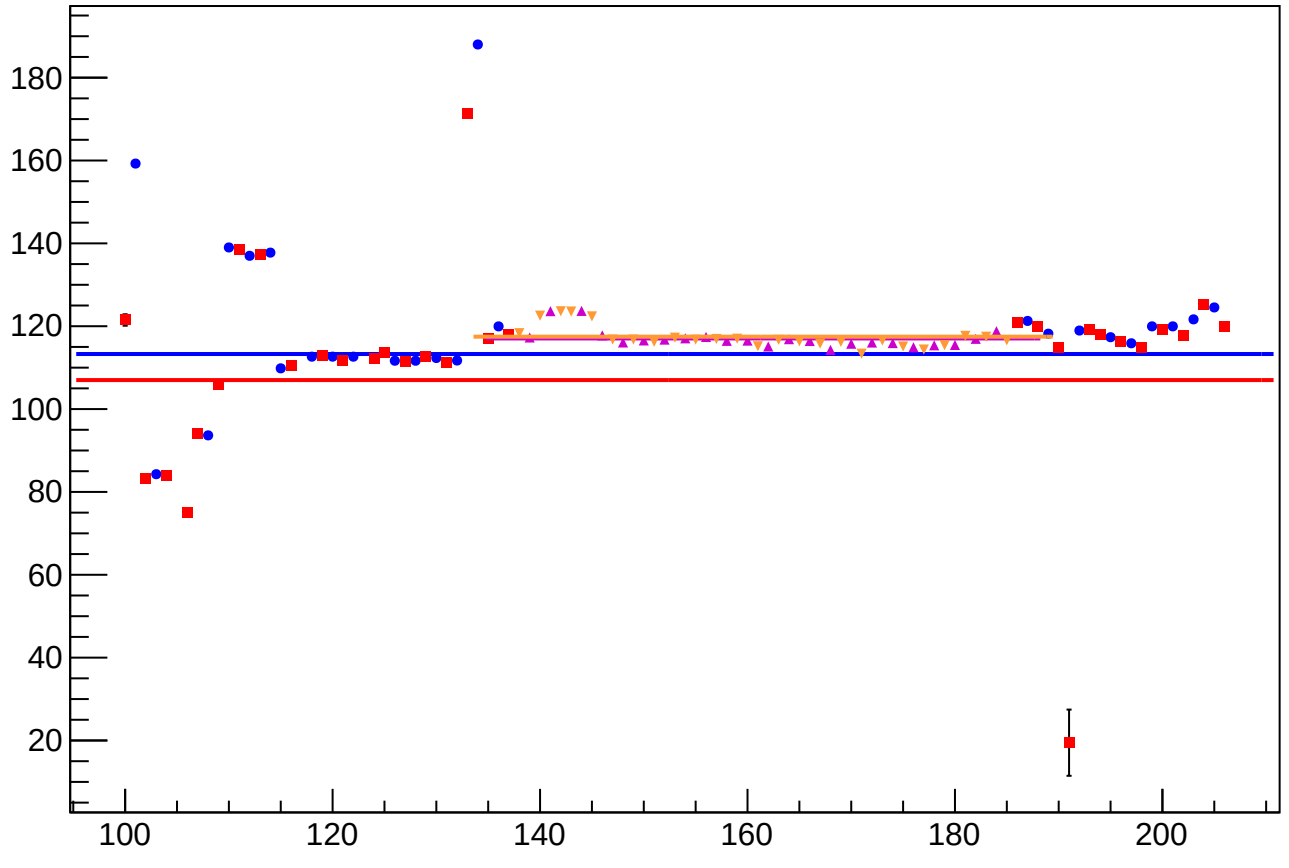
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -67.420+/-1.011 χ^2/NDF: 2332.5/55

In: -77.524+/-0.739 χ^2/NDF:1737.2/47

Out: -74.269+/-0.703 χ^2/NDF:2248.6/55

All: -75.815+/-0.509 χ^2/NDF: 3996.0/103



Right In: 113.290+/-0.072 χ^2/NDF: 86908.6/24

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.001+/-0.066 χ^2/NDF: 79025.3/30

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

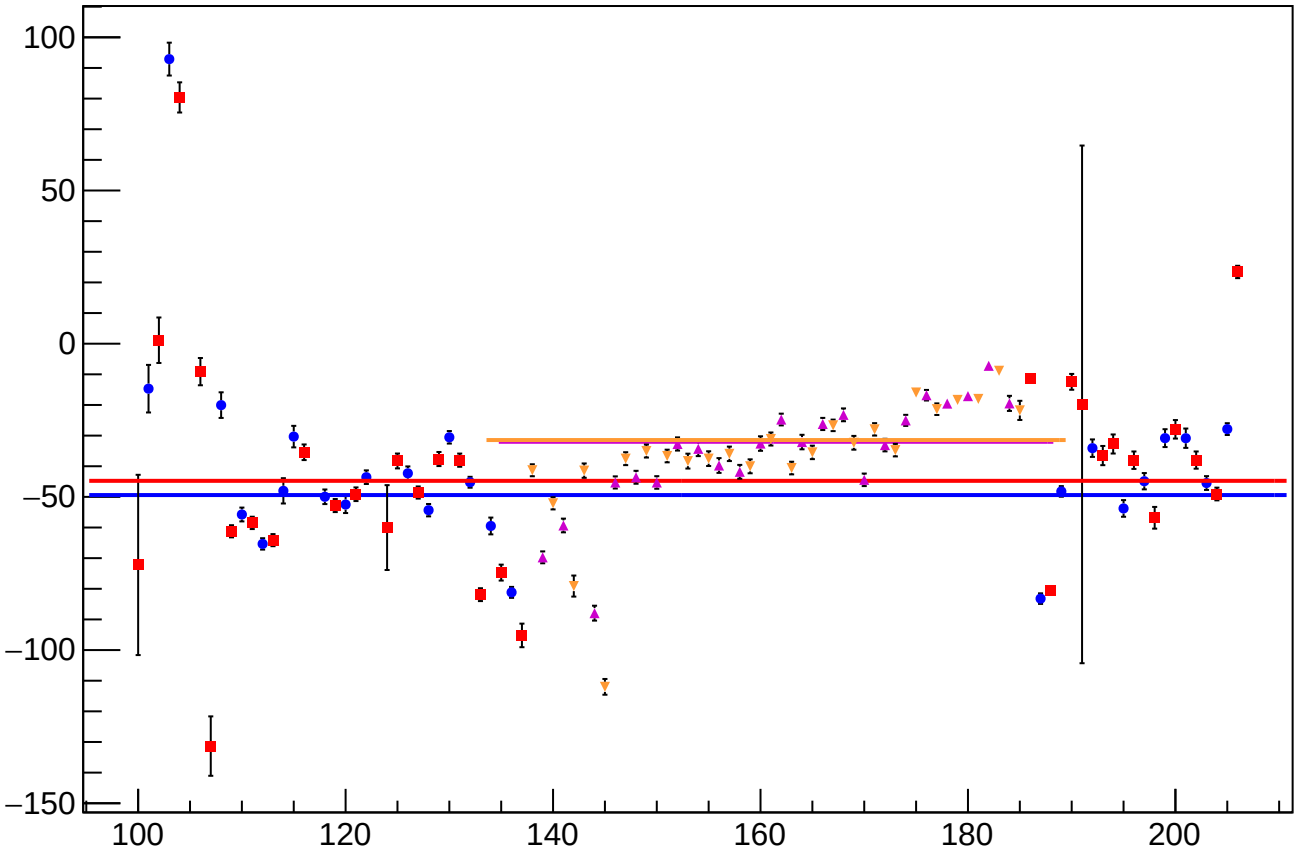
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.878+/-0.048 χ^2/NDF: 170107.6/55

In: 116.202+/-0.034 χ^2/NDF:92379.7/47

Out: 114.859+/-0.033 χ^2/NDF:102751.4/55

All: 115.509+/-0.024 χ^2/NDF: 195936.5/103



Right In: -49.405+/-0.475 χ^2/NDF: 1949.3/24

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -44.762+/-0.412 χ^2/NDF: 5386.4/30

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

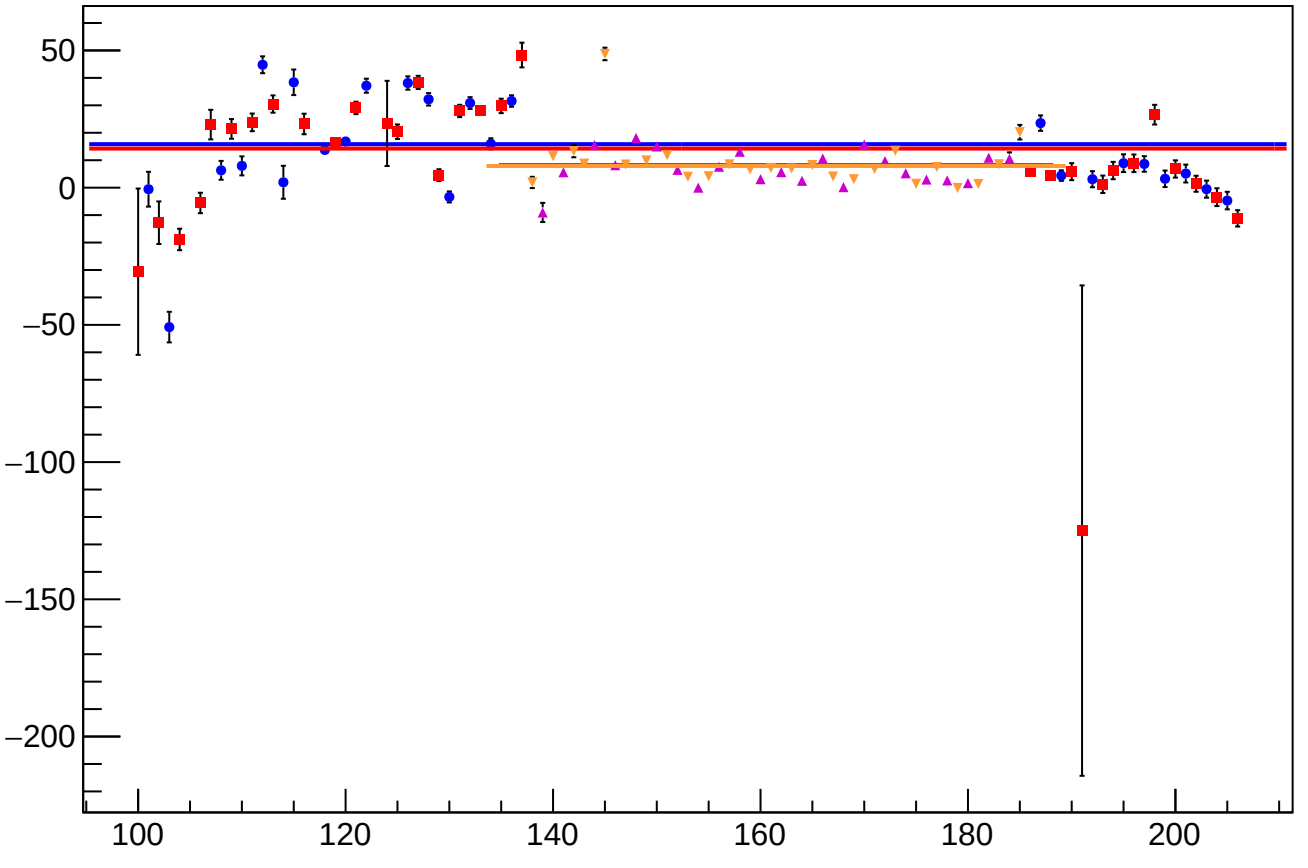
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.756+/-0.311 χ^2/NDF: 7390.3/55

In: -39.429+/-0.310 χ^2/NDF:4633.1/47

Out: -37.898+/-0.286 χ^2/NDF:7917.8/55

All: -38.603+/-0.210 χ^2/NDF: 12564.0/103



Right In: 15.848+/-0.512 χ^2/NDF: 854.2/24

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.238+/-0.466 χ^2/NDF: 812.8/30

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

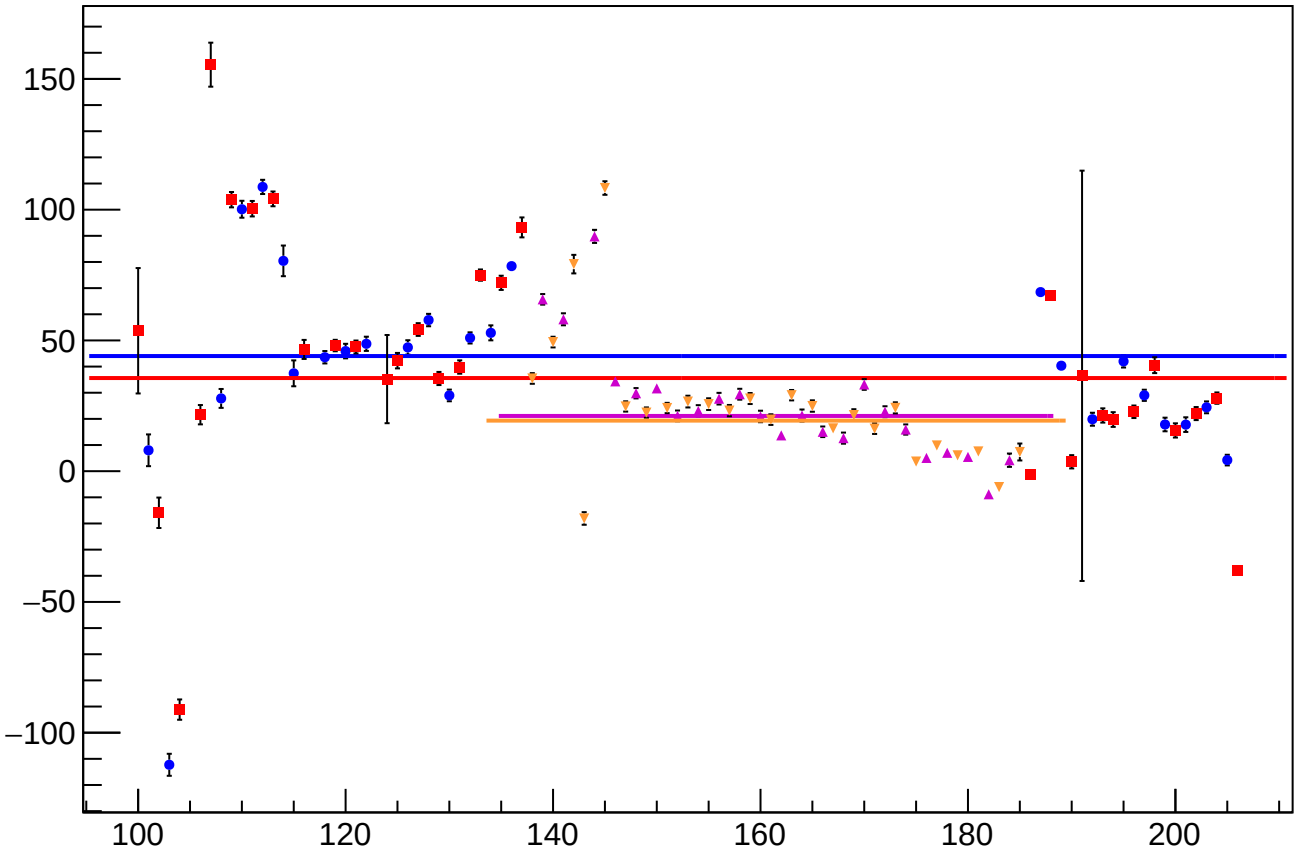
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 14.966+/-0.345 χ^2/NDF: 1672.4/55

In: 10.319+/-0.269 χ^2/NDF:1353.5/47

Out: 9.790+/-0.255 χ^2/NDF:1433.3/55

All: 10.040+/-0.185 χ^2/NDF: 2788.8/103



Right In: 44.027+/-0.483 χ^2/NDF: 3902.9/24

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.615+/-0.394 χ^2/NDF: 9108.5/30

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

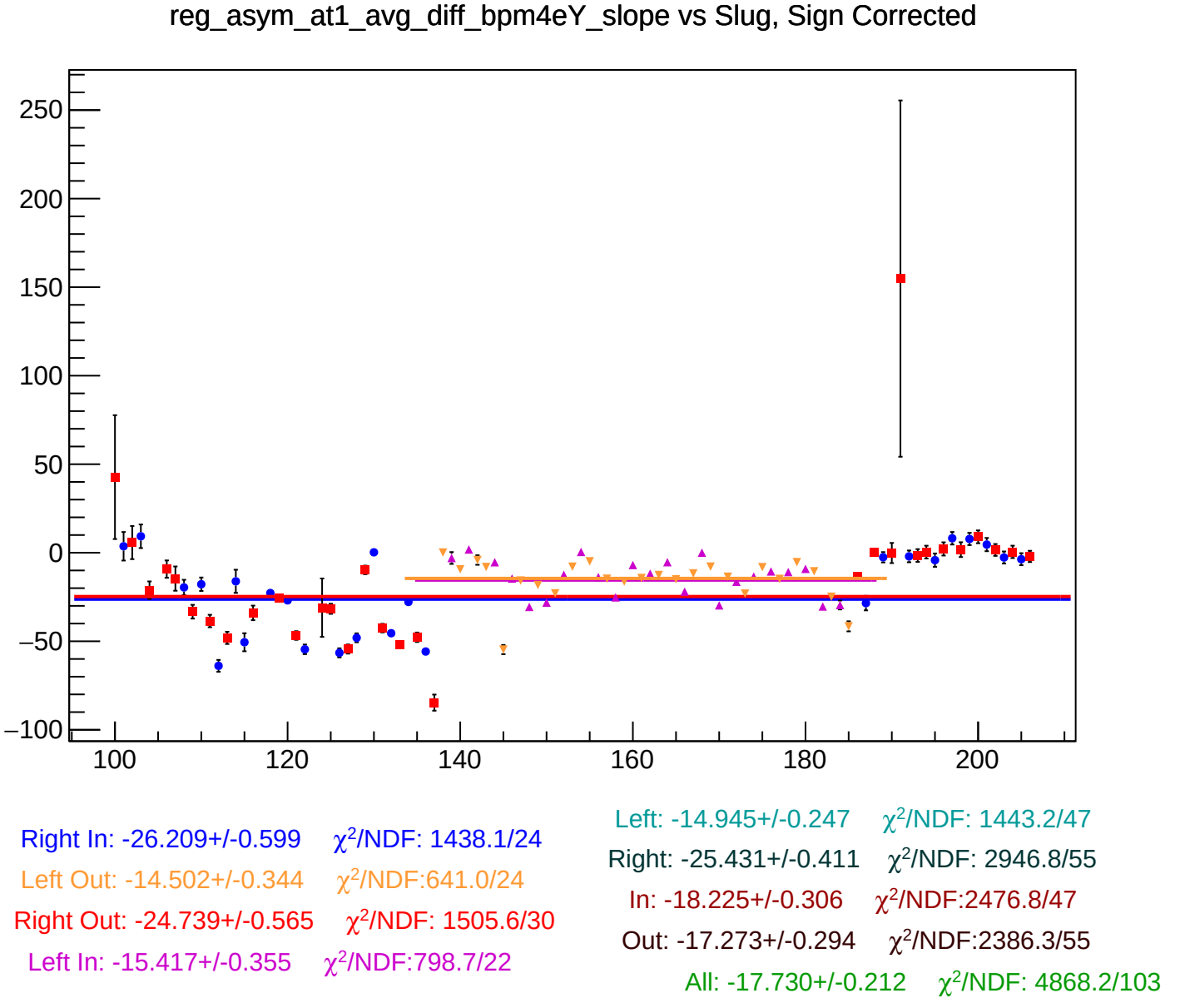
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

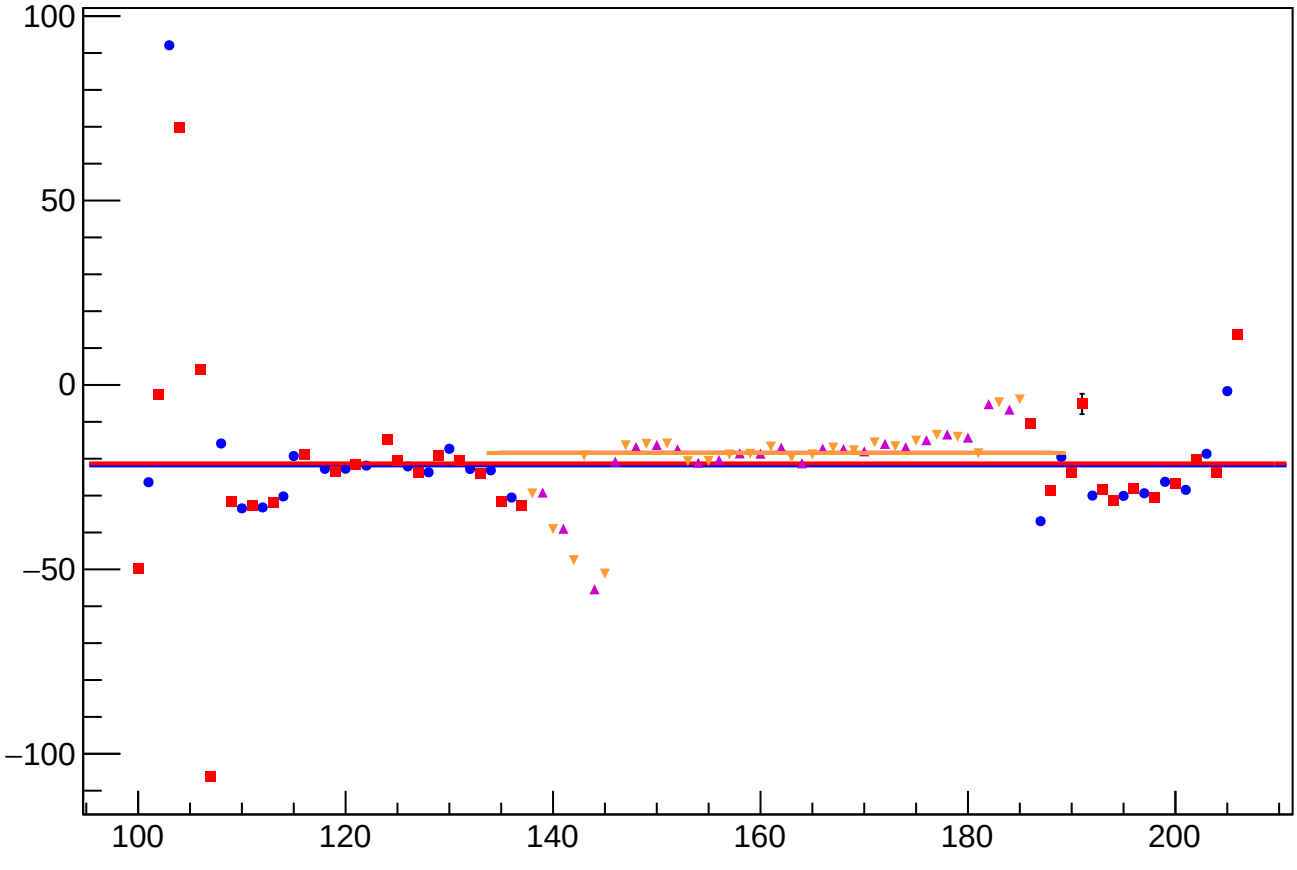
Right: 38.980+/-0.305 χ^2/NDF: 13193.6/55

In: 30.580+/-0.310 χ^2/NDF:7729.5/47

Out: 27.507+/-0.279 χ^2/NDF:12640.5/55

All: 28.883+/-0.208 χ^2/NDF: 20424.2/103


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -26.209+/-0.599 χ²/NDF: 1438.1/24
Left Out: -14.502+/-0.344 χ²/NDF:641.0/24
Right Out: -24.739+/-0.565 χ²/NDF: 1505.6/30
Left In: -15.417+/-0.355 χ²/NDF:798.7/22
Left: -14.945+/-0.247 χ²/NDF: 1443.2/47
Right: -25.431+/-0.411 χ²/NDF: 2946.8/55
In: -18.225+/-0.306 χ²/NDF:2476.8/47
Out: -17.273+/-0.294 χ²/NDF:2386.3/55
All: -17.730+/-0.212 χ²/NDF: 4868.2/103



Right In: -21.803+/-0.030 χ^2/NDF: 476572.1/24

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.274+/-0.028 χ^2/NDF: 466225.8/30

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

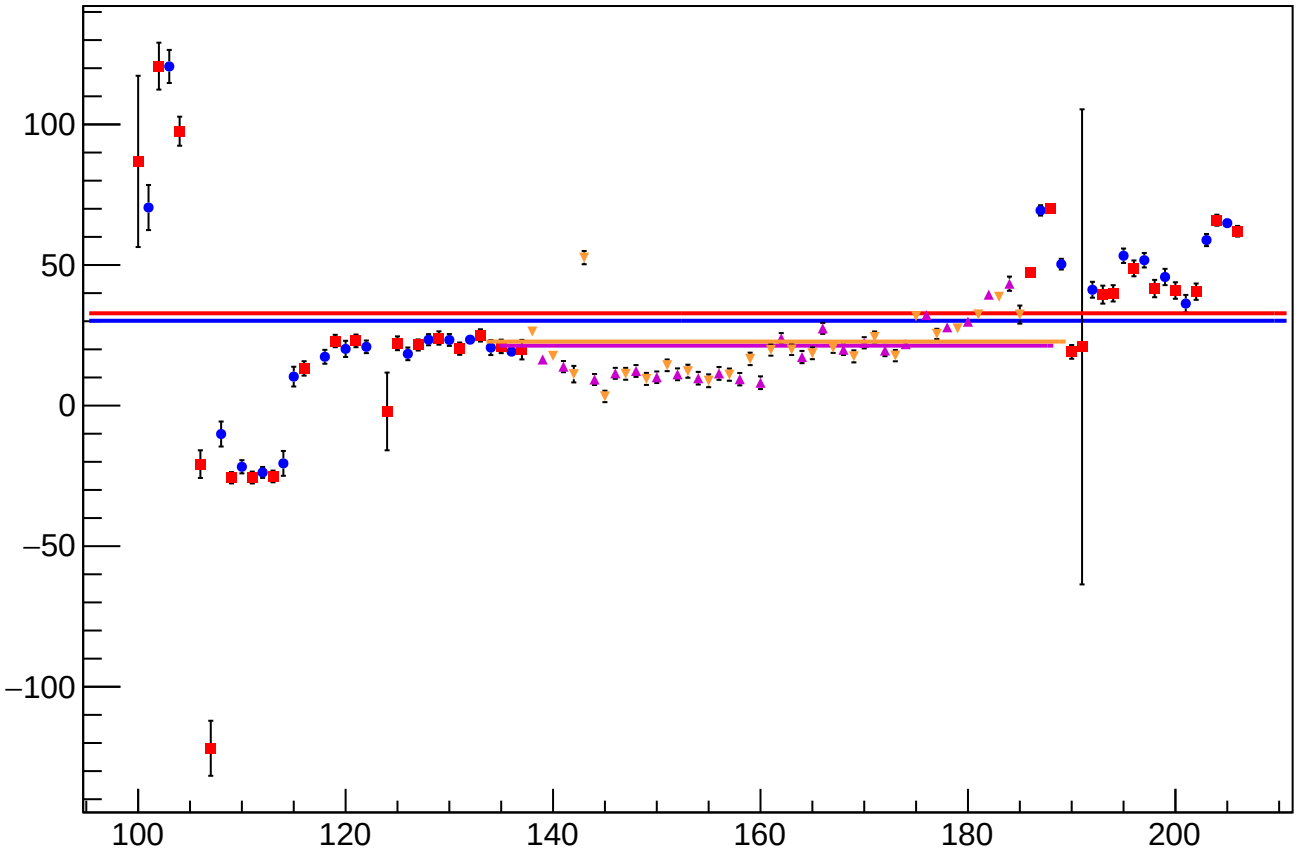
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.525+/-0.020 χ^2/NDF: 942967.2/55

In: -19.138+/-0.014 χ^2/NDF:737101.6/47

Out: -19.110+/-0.014 χ^2/NDF:769361.8/55

All: -19.123+/-0.010 χ^2/NDF: 1506465.6/103



Right In: 30.167+/-0.477 χ^2/NDF: 3259.5/24

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 32.828+/-0.426 χ^2/NDF: 5230.4/30

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

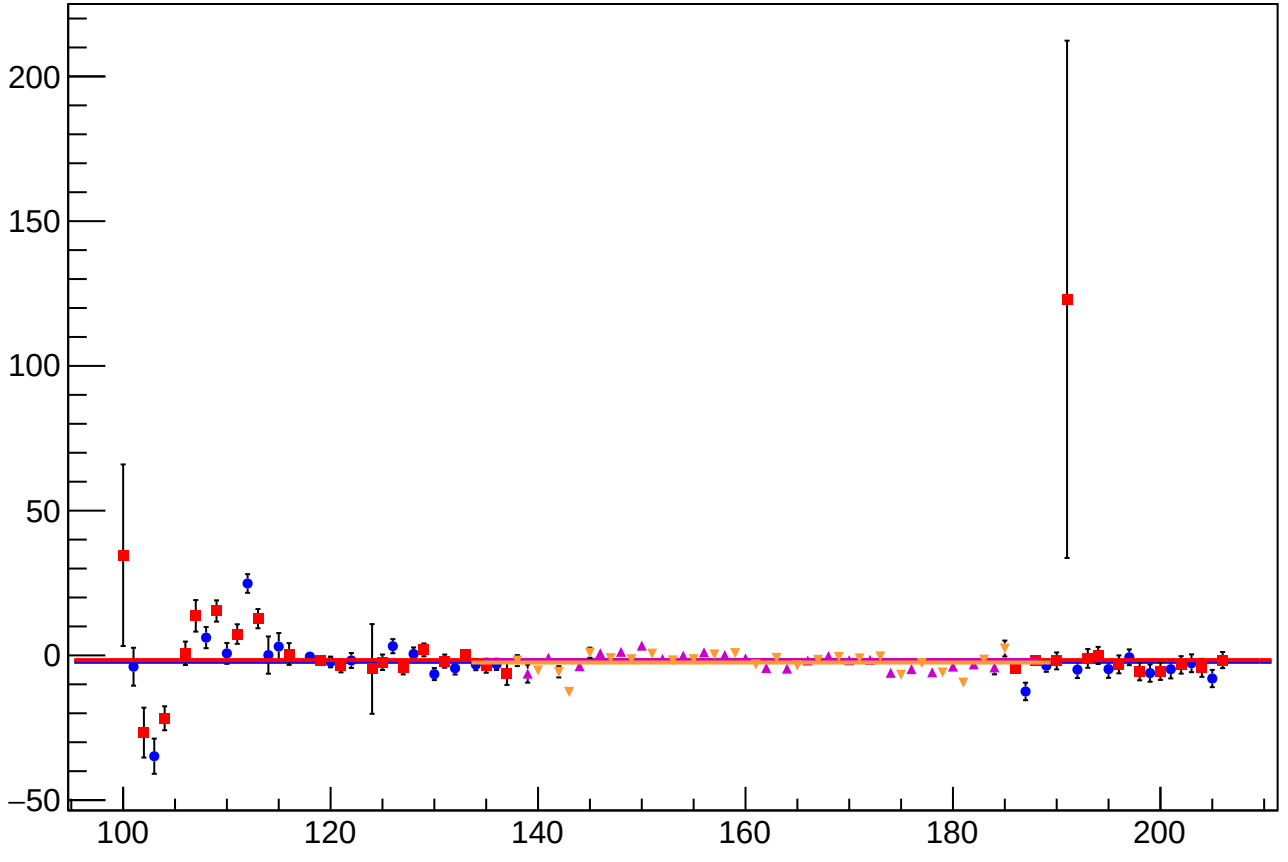
Right: 31.647+/-0.318 χ^2/NDF: 8507.2/55

In: 24.898+/-0.303 χ^2/NDF:4094.2/47

Out: 27.256+/-0.285 χ^2/NDF:6261.8/55

All: 26.151+/-0.208 χ^2/NDF: 10388.2/103

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.223+/-0.517 χ^2/NDF: 140.2/24

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.625+/-0.482 χ^2/NDF: 106.4/30

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

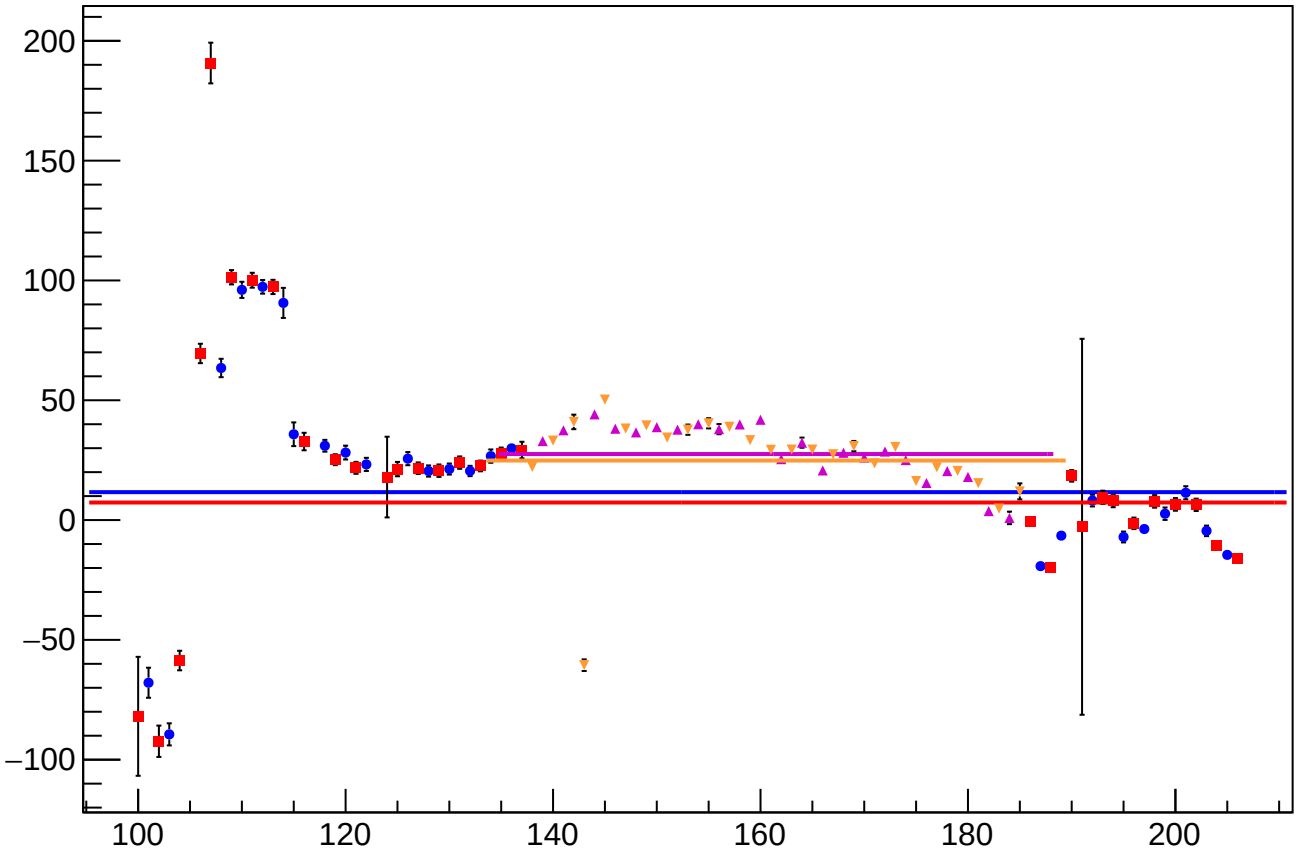
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.903+/-0.353 χ^2/NDF: 247.3/55

In: -1.804+/-0.262 χ^2/NDF:211.3/47

Out: -2.241+/-0.250 χ^2/NDF:225.3/55

All: -2.032+/-0.181 χ^2/NDF: 438.1/103



Right In: 11.653+/-0.487 χ^2/NDF: 3796.3/24

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 7.329+/-0.414 χ^2/NDF: 5746.2/30

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

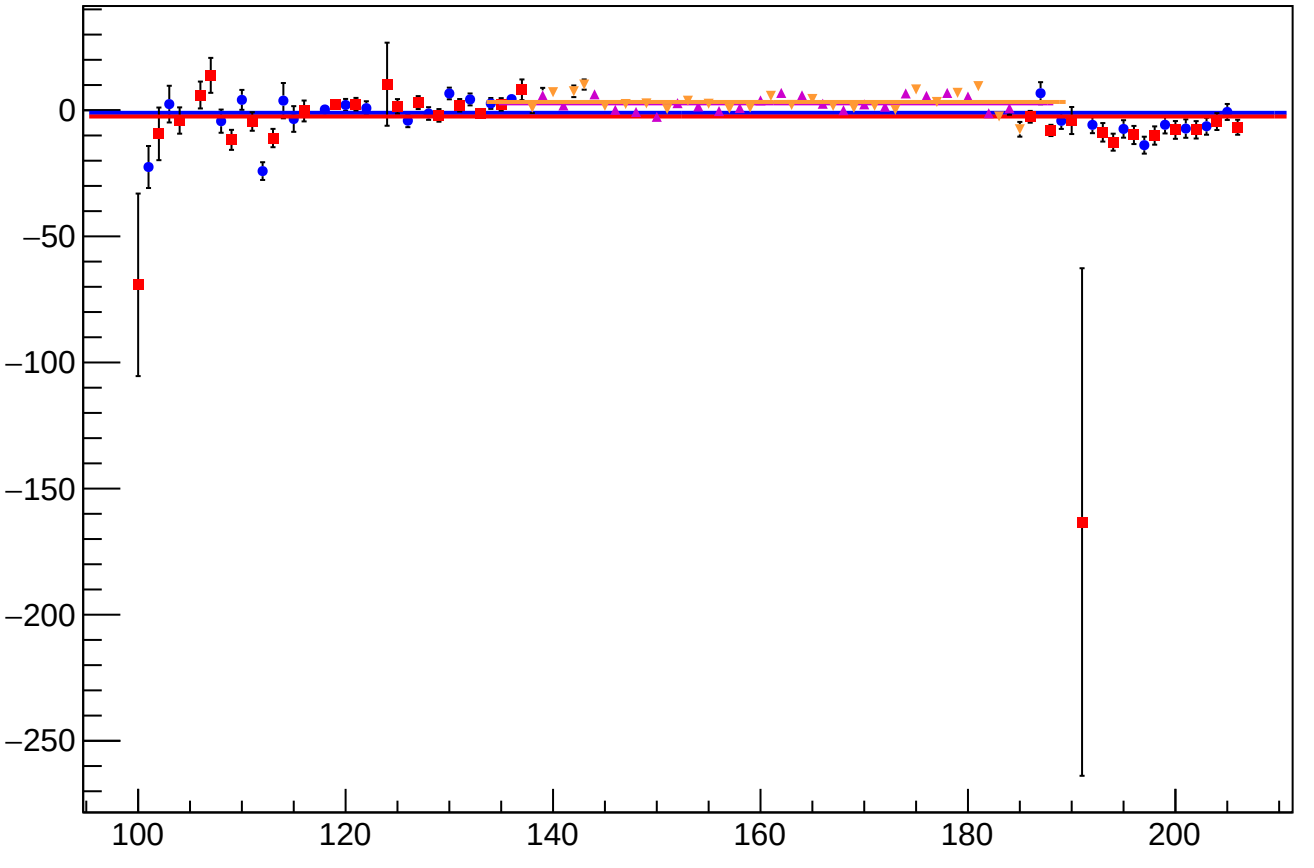
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 9.141+/-0.316 χ^2/NDF: 9588.3/55

In: 21.366+/-0.304 χ^2/NDF:5328.4/47

Out: 16.845+/-0.280 χ^2/NDF:8767.4/55

All: 18.920+/-0.206 χ^2/NDF: 14215.4/103



Right In: -1.017+/-0.600 χ^2/NDF: 115.5/24

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.485+/-0.577 χ^2/NDF: 91.2/30

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

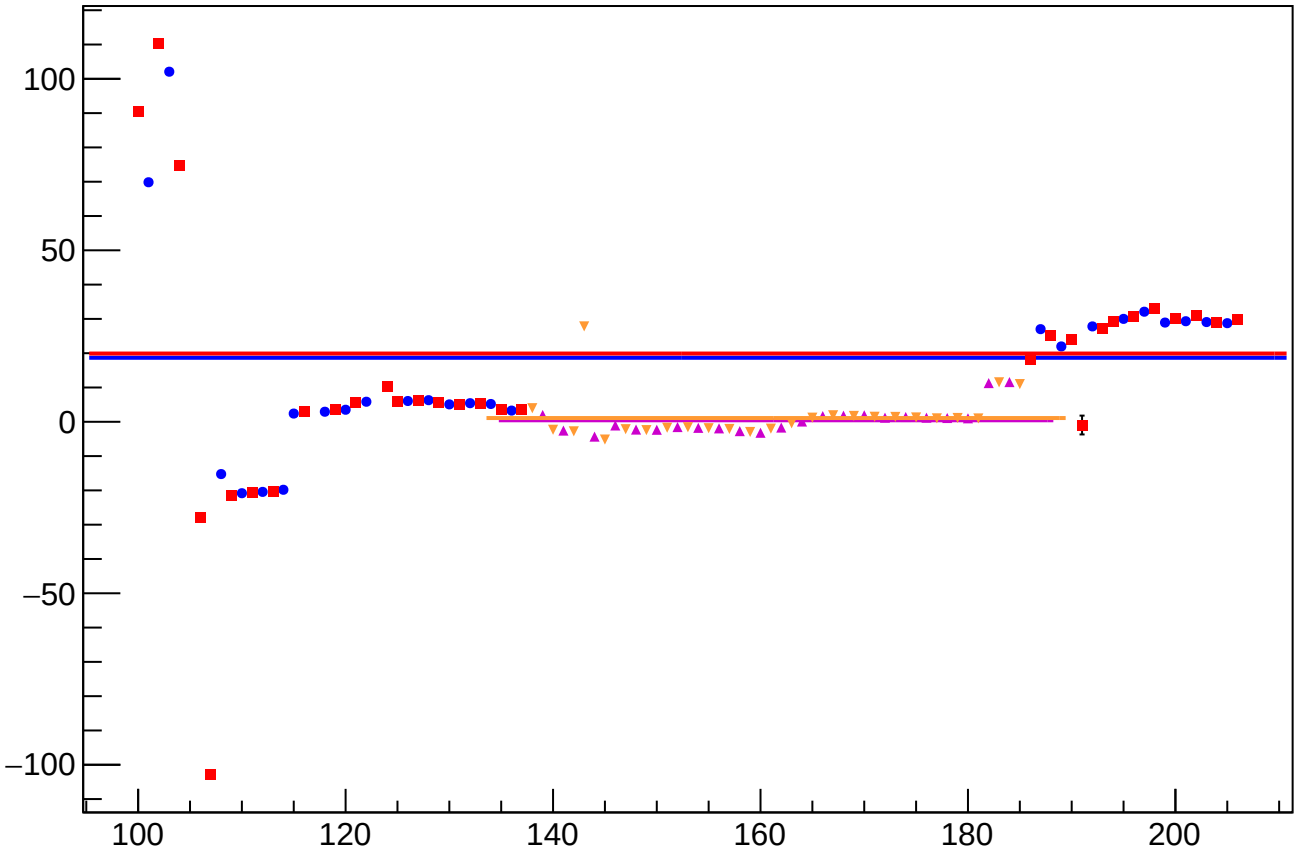
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.779+/-0.416 χ^2/NDF: 209.8/55

In: 1.811+/-0.297 χ^2/NDF:219.4/47

Out: 1.858+/-0.287 χ^2/NDF:272.6/55

All: 1.835+/-0.207 χ^2/NDF: 492.1/103



Right In: 18.669+/-0.029 χ^2/NDF: 465859.4/24

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.902+/-0.028 χ^2/NDF: 623644.3/30

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

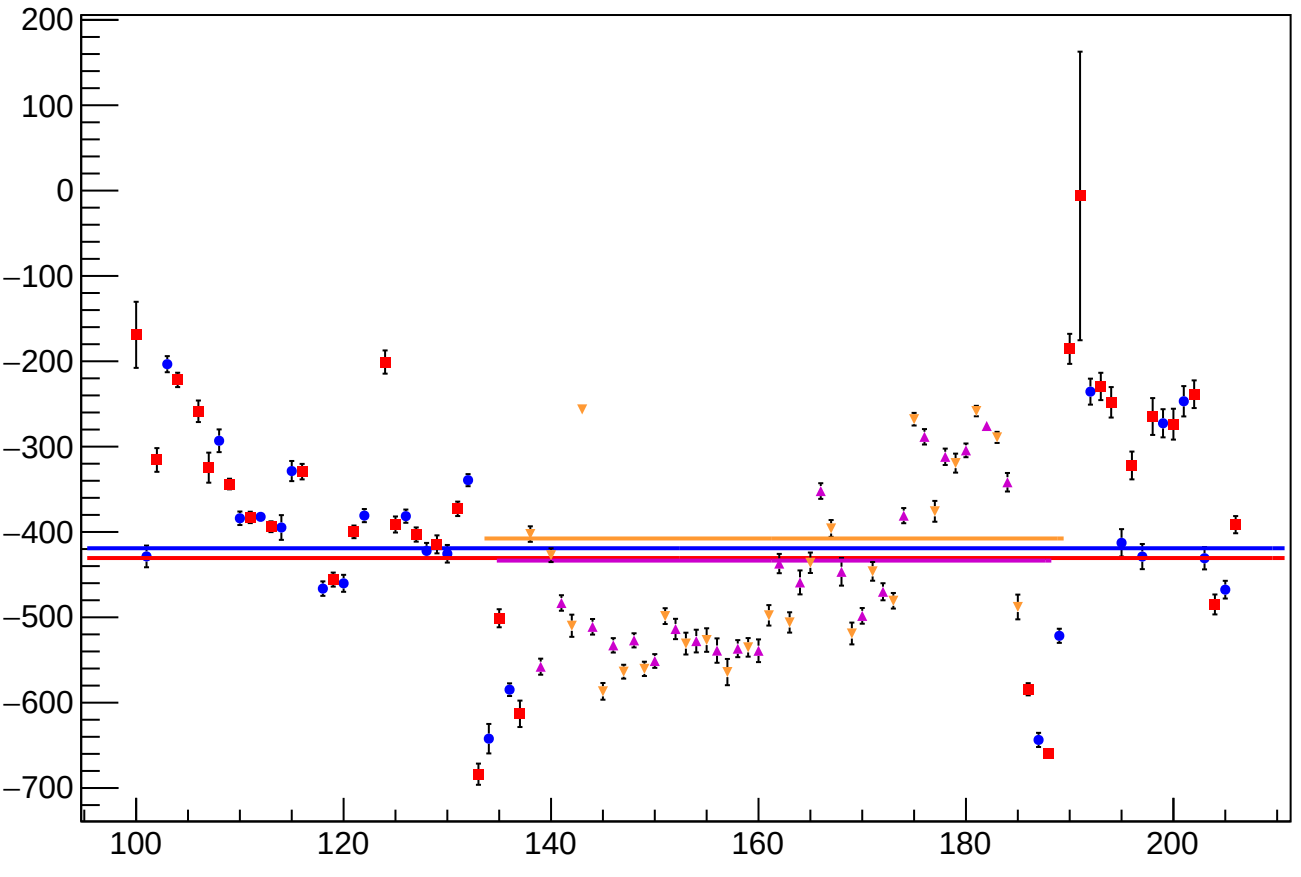
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 19.311+/-0.020 χ^2/NDF: 1090441.9/55

In: 4.314+/-0.013 χ^2/NDF:829272.9/47

Out: 5.252+/-0.013 χ^2/NDF:1107639.0/55

All: 4.793+/-0.009 χ^2/NDF: 1939421.5/103



Right In: -419.059+/-1.947 χ^2/NDF: 2848.3/24

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.547+/-1.732 χ^2/NDF: 6347.1/30

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

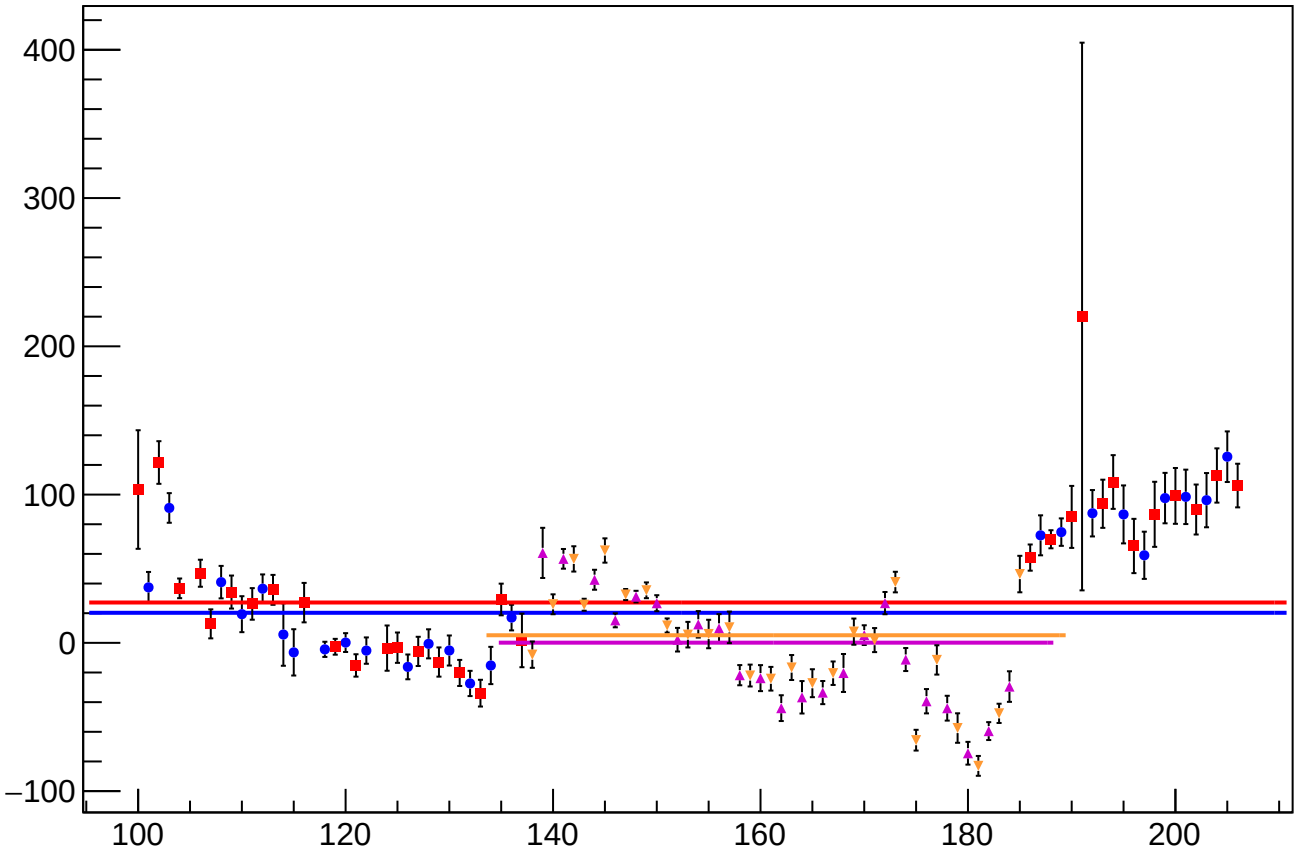
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -425.470+/-1.294 χ^2/NDF: 9214.9/55

In: -426.123+/-1.393 χ^2/NDF:5599.8/47

Out: -419.946+/-1.270 χ^2/NDF:10433.7/55

All: -422.751+/-0.938 χ^2/NDF: 16044.3/103



Right In: 20.273+/-2.060 χ^2/NDF: 352.9/24

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 27.212+/-1.907 χ^2/NDF: 434.7/30

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

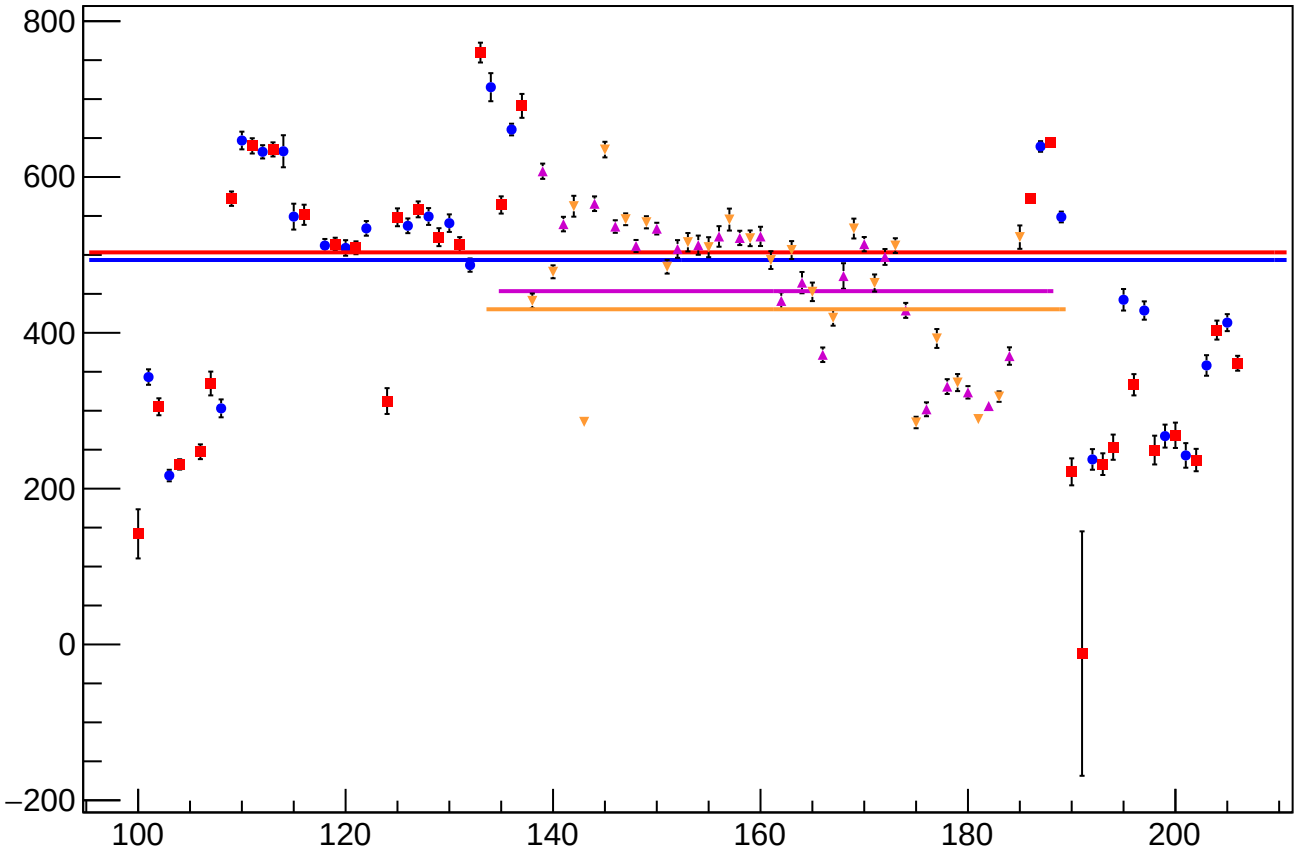
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 24.010+/-1.399 χ^2/NDF: 793.7/55

In: 7.042+/-1.207 χ^2/NDF:984.3/47

Out: 12.707+/-1.117 χ^2/NDF:1211.9/55

All: 10.093+/-0.820 χ^2/NDF: 2208.1/103



Right In: 493.470+/-2.023 χ^2/NDF: 4732.4/24

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.267+/-1.736 χ^2/NDF: 8066.8/30

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

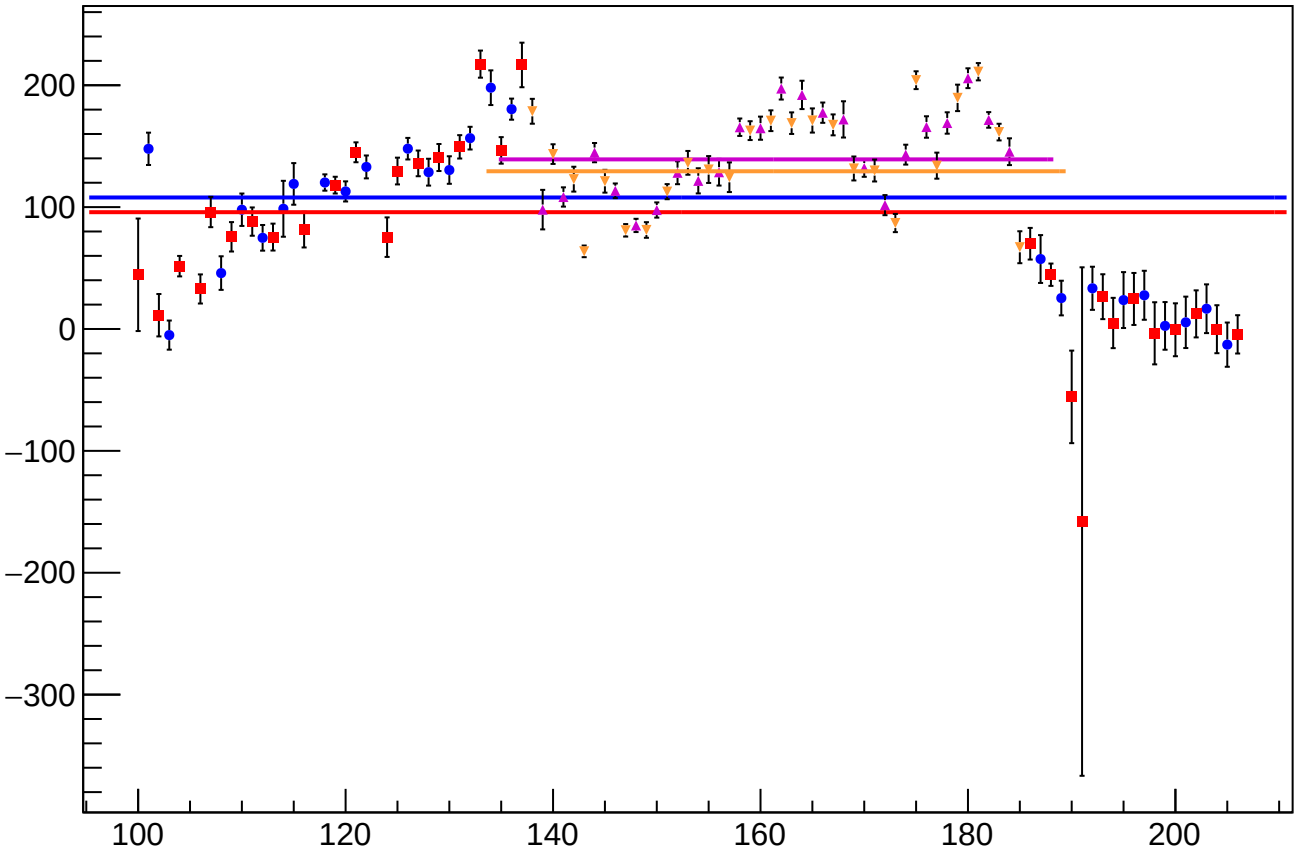
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 499.112+/-1.318 χ^2/NDF: 12812.7/55

In: 472.988+/-1.413 χ^2/NDF:7352.1/47

Out: 469.286+/-1.269 χ^2/NDF:12295.2/55

All: 470.940+/-0.944 χ^2/NDF: 19651.1/103



Right In: 107.907+/-2.422 χ^2/NDF: 511.1/24

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 95.841+/-2.274 χ^2/NDF: 608.1/30

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

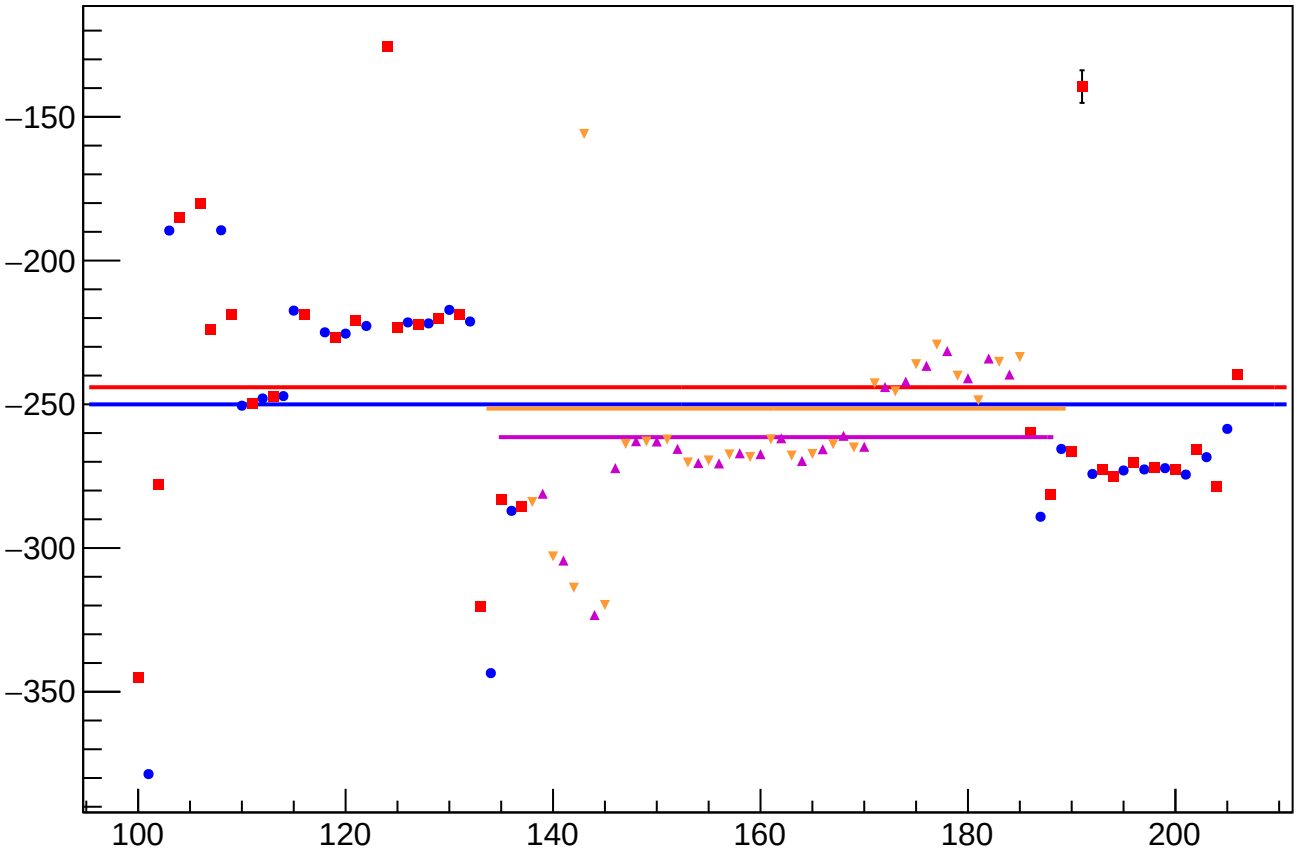
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 101.492+/-1.658 χ^2/NDF: 1132.4/55

In: 128.810+/-1.394 χ^2/NDF:1056.6/47

Out: 118.367+/-1.304 χ^2/NDF:1568.7/55

All: 123.241+/-0.953 χ^2/NDF: 2655.2/103



Right In: -250.024+/-0.125 χ^2/NDF: 148021.8/24

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.061+/-0.117 χ^2/NDF: 112531.2/30

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

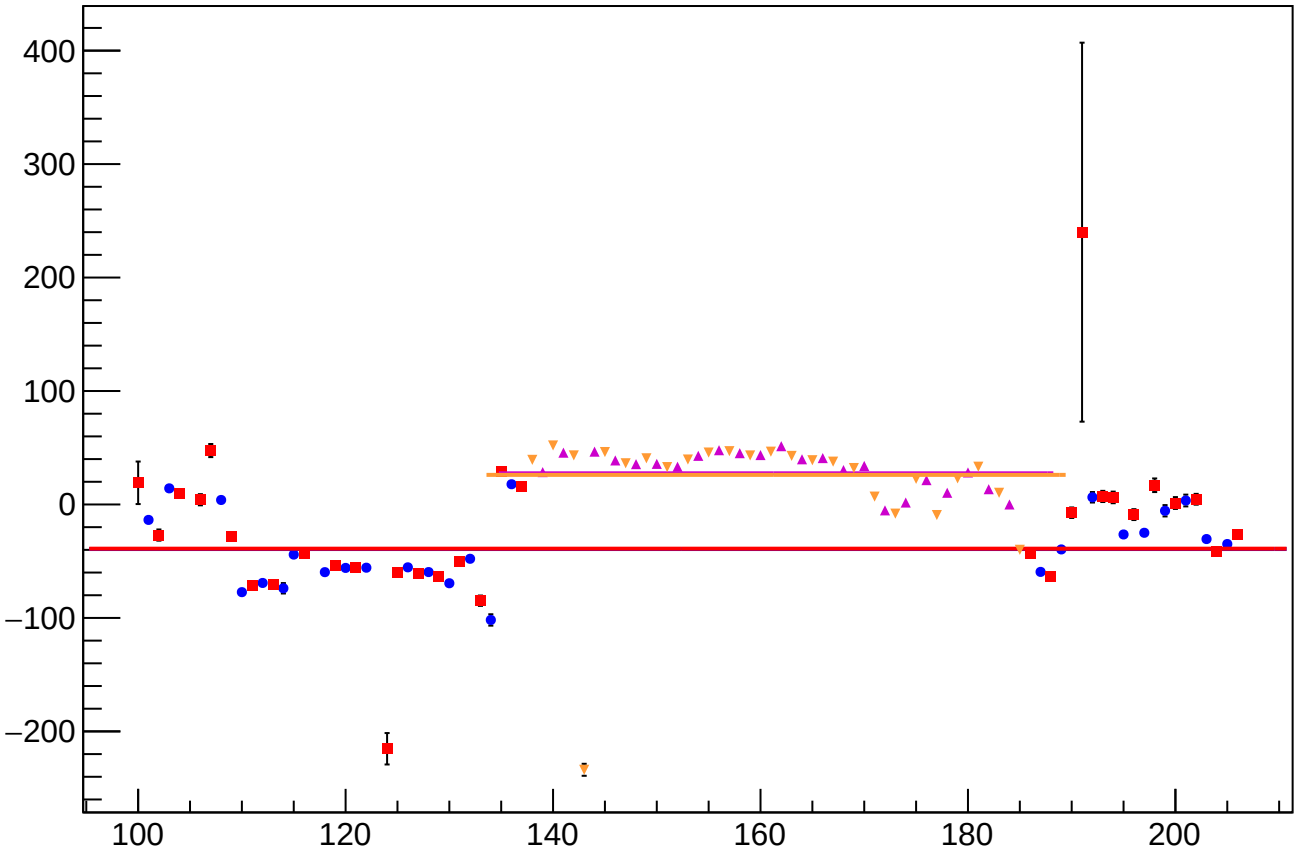
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -246.851+/-0.086 χ^2/NDF: 261758.1/55

In: -258.248+/-0.066 χ^2/NDF:223552.4/47

Out: -249.369+/-0.063 χ^2/NDF:370319.0/55

All: -253.590+/-0.046 χ^2/NDF: 603324.3/103



Right In: -39.269+/-0.617 χ^2/NDF: 2715.0/24

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -38.967+/-0.535 χ^2/NDF: 3259.1/30

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

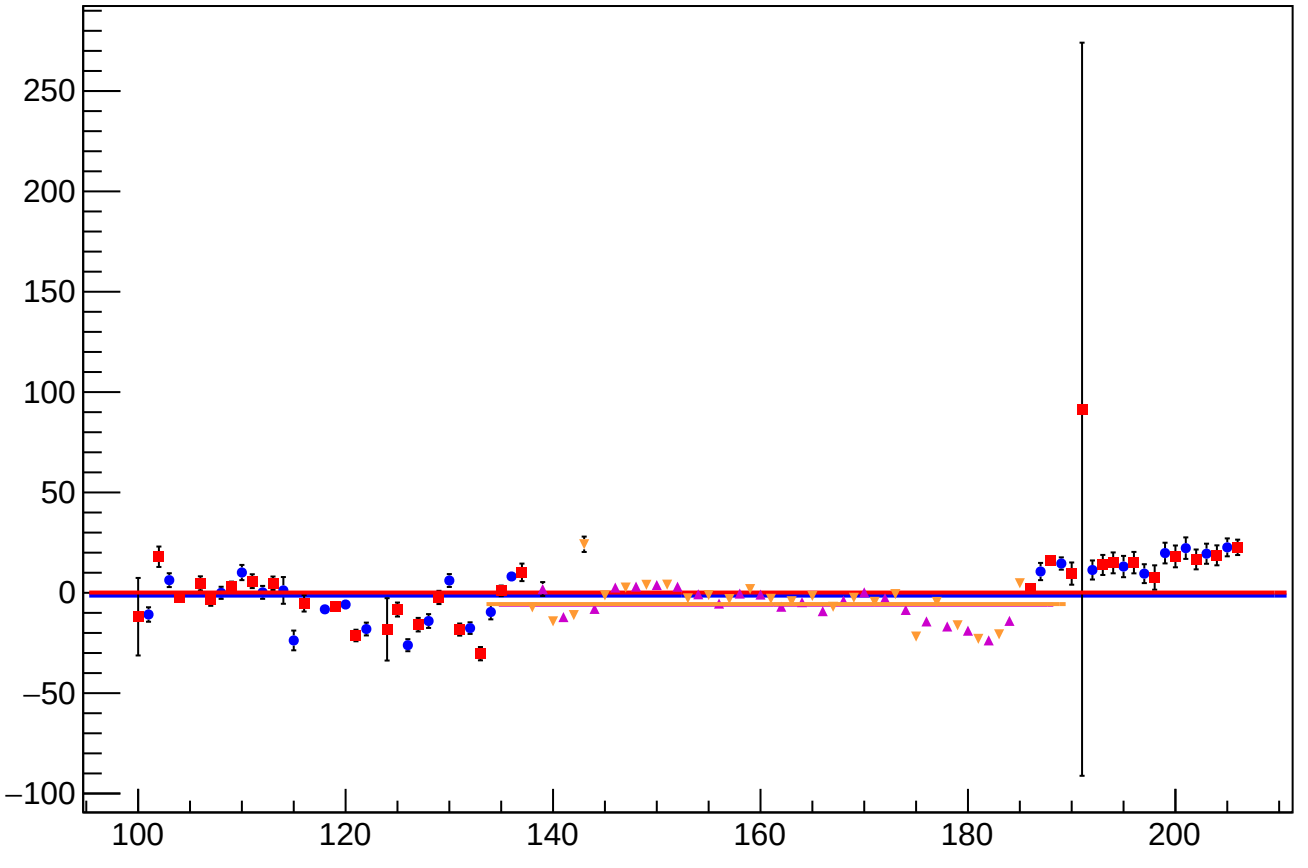
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -39.096+/-0.404 χ^2/NDF: 5974.2/55

In: 7.993+/-0.333 χ^2/NDF:12619.9/47

Out: 3.530+/-0.315 χ^2/NDF:17707.0/55

All: 5.637+/-0.229 χ^2/NDF: 30421.7/103



Right In: -1.397+/-0.672 χ^2/NDF: 367.1/24

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 0.128+/-0.615 χ^2/NDF: 405.9/30

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

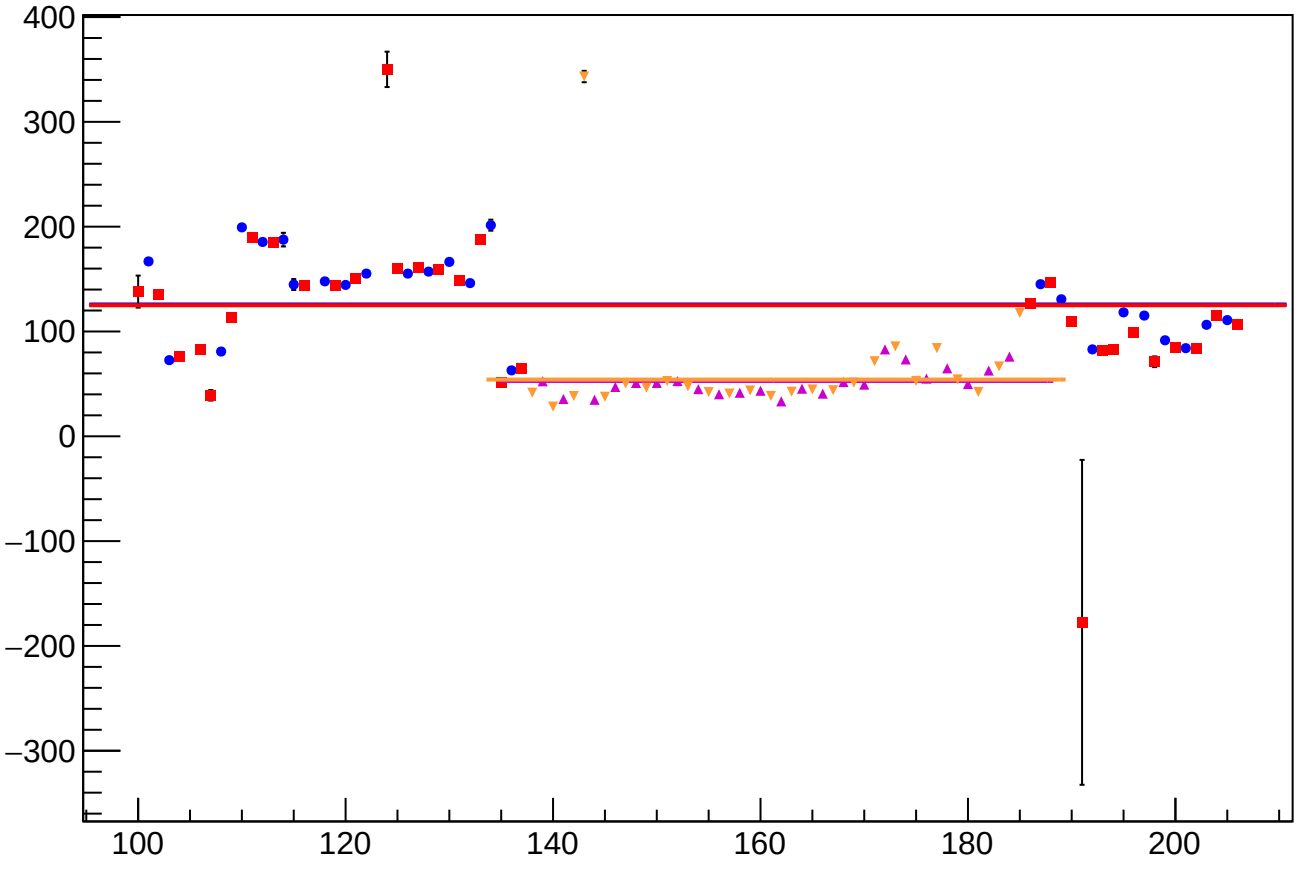
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -0.567+/-0.454 χ^2/NDF: 775.8/55

In: -5.148+/-0.281 χ^2/NDF:1117.0/47

Out: -4.509+/-0.271 χ^2/NDF:1369.6/55

All: -4.817+/-0.195 χ^2/NDF: 2489.4/103



Right In: 125.776+/-0.637 χ^2/NDF: 4055.6/24

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.037+/-0.538 χ^2/NDF: 4418.5/30

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

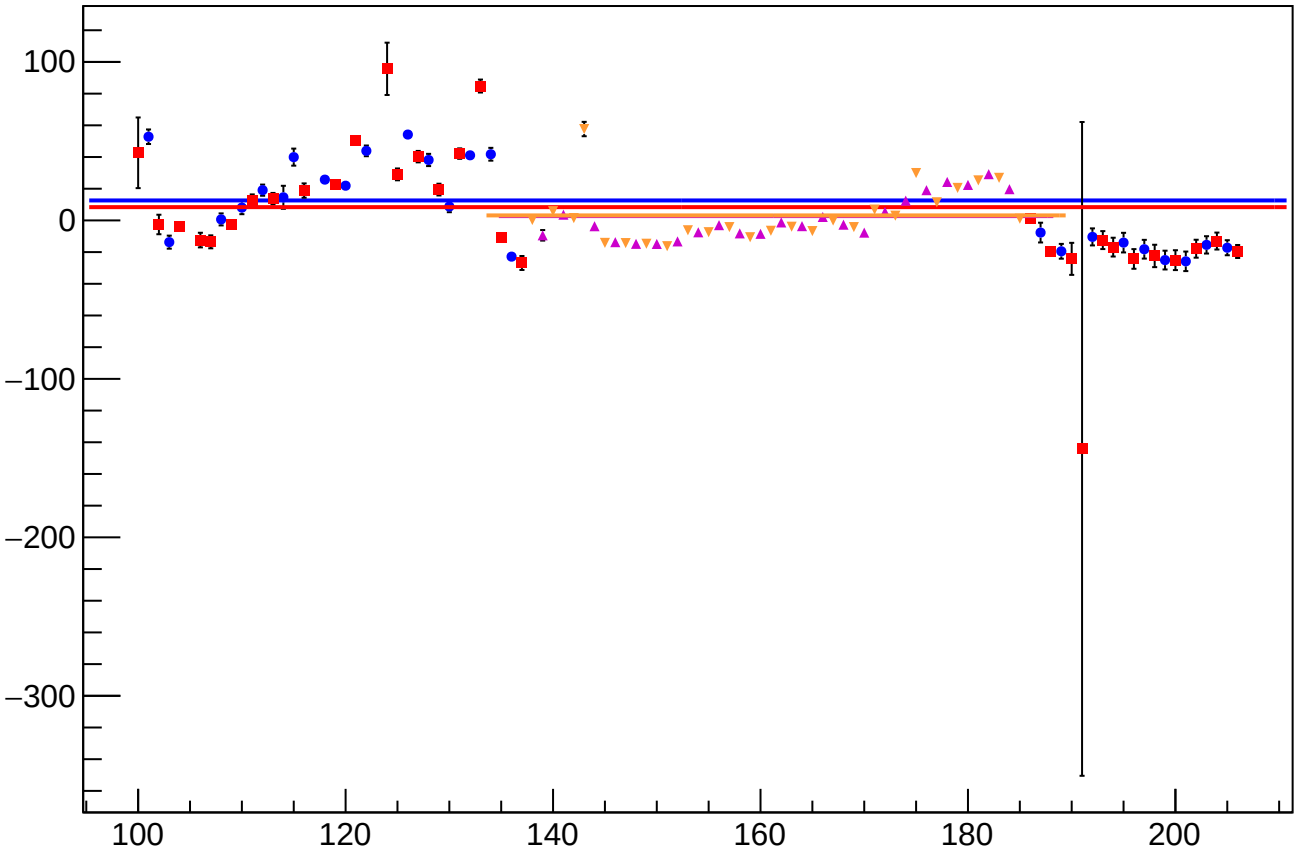
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.344+/-0.411 χ^2/NDF: 8474.9/55

In: 72.898+/-0.334 χ^2/NDF:14551.1/47

Out: 78.323+/-0.314 χ^2/NDF:20452.6/55

All: 75.777+/-0.229 χ^2/NDF: 35143.6/103



Right In: 12.599+/-0.779 χ^2/NDF: 1180.6/24

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 8.374+/-0.730 χ^2/NDF: 1314.7/30

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

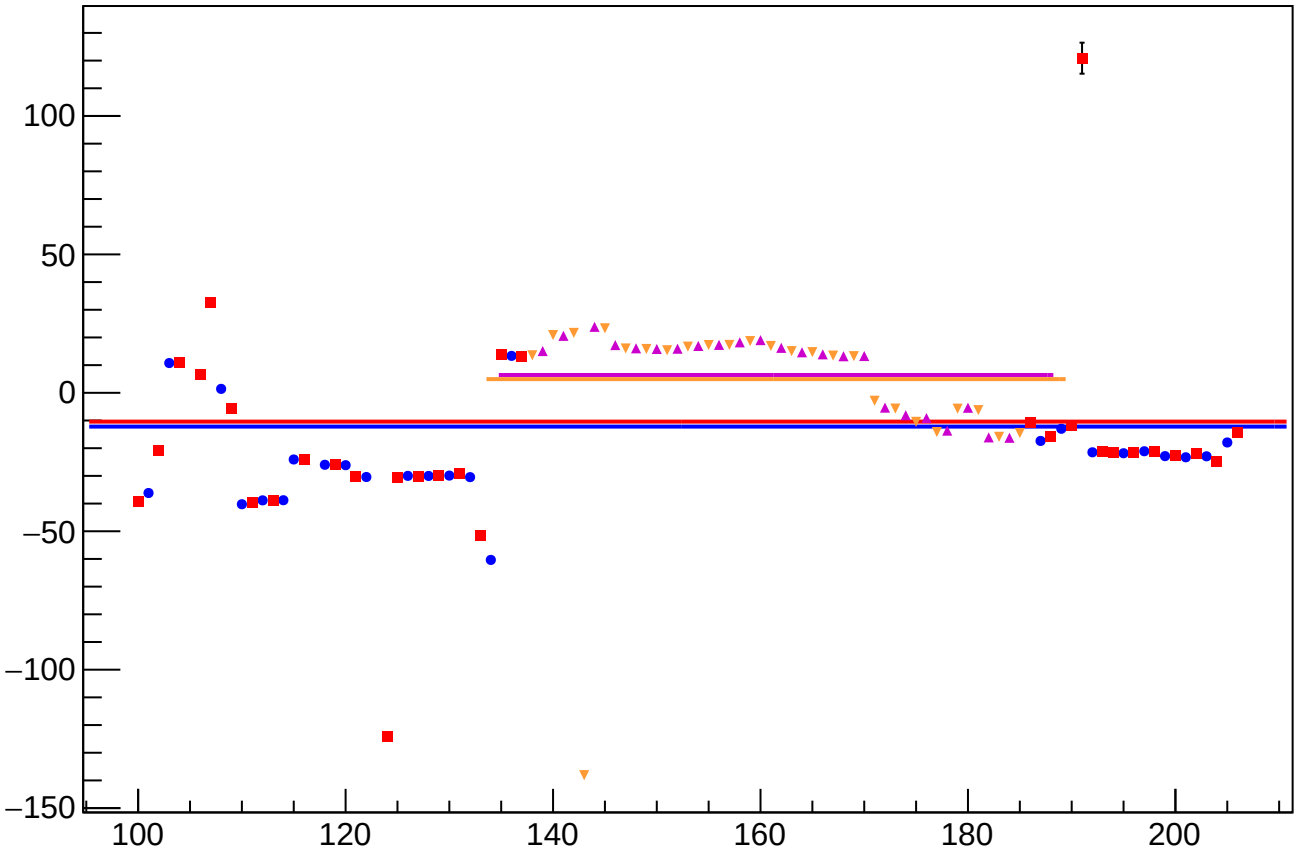
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 10.349+/-0.533 χ^2/NDF: 2511.0/55

In: 4.353+/-0.317 χ^2/NDF:3049.8/47

Out: 4.084+/-0.308 χ^2/NDF:3369.1/55

All: 4.215+/-0.221 χ^2/NDF: 6419.3/103



Right In: -12.197+/-0.038 χ^2/NDF: 295307.7/24

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.398+/-0.036 χ^2/NDF: 273879.3/30

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

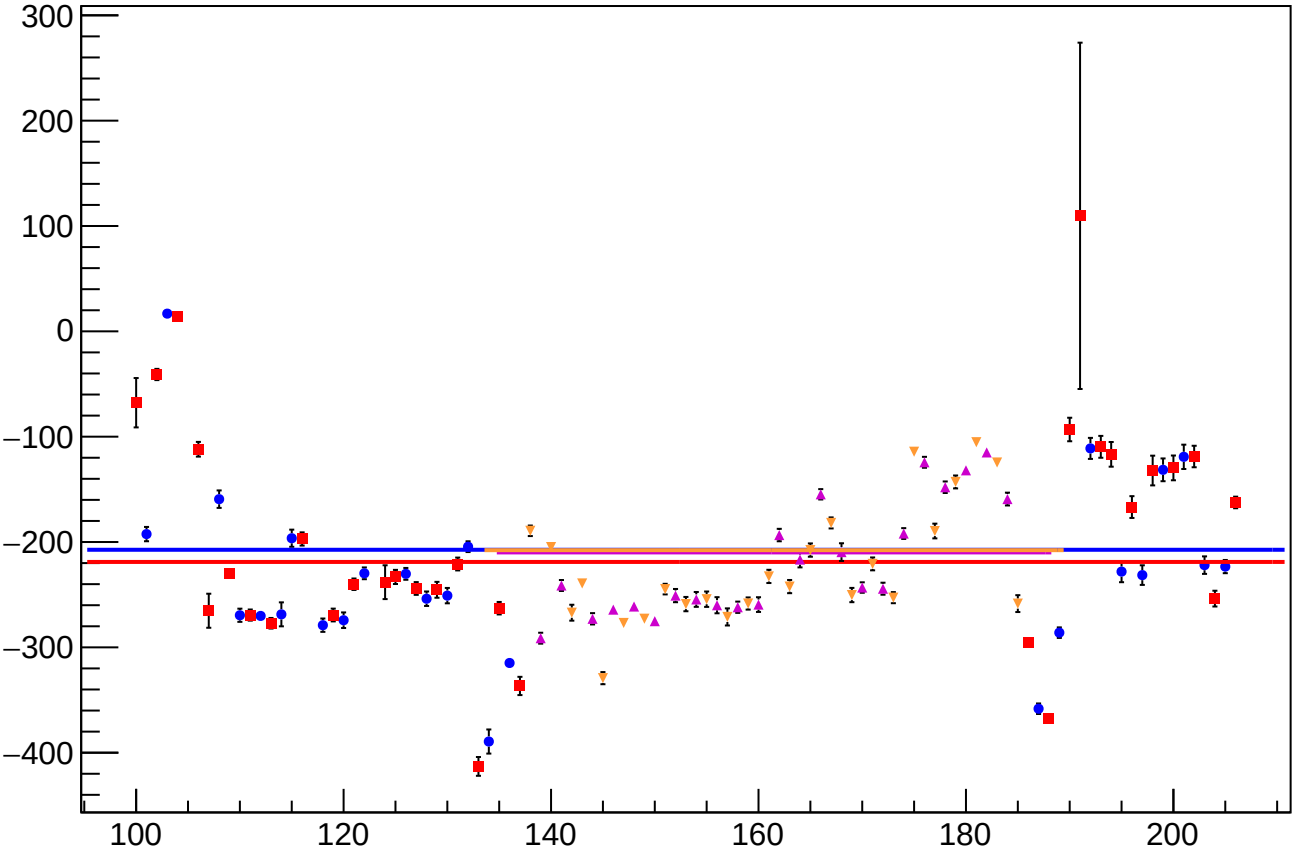
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.260+/-0.026 χ^2/NDF: 570380.9/55

In: 3.784+/-0.014 χ^2/NDF:1235846.6/47

Out: 2.623+/-0.014 χ^2/NDF:1564308.1/55

All: 3.196+/-0.010 χ^2/NDF: 2803538.8/103



Right In: -207.360+/-1.227 χ^2/NDF: 8735.0/24

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -218.913+/-1.089 χ^2/NDF: 12297.3/30

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

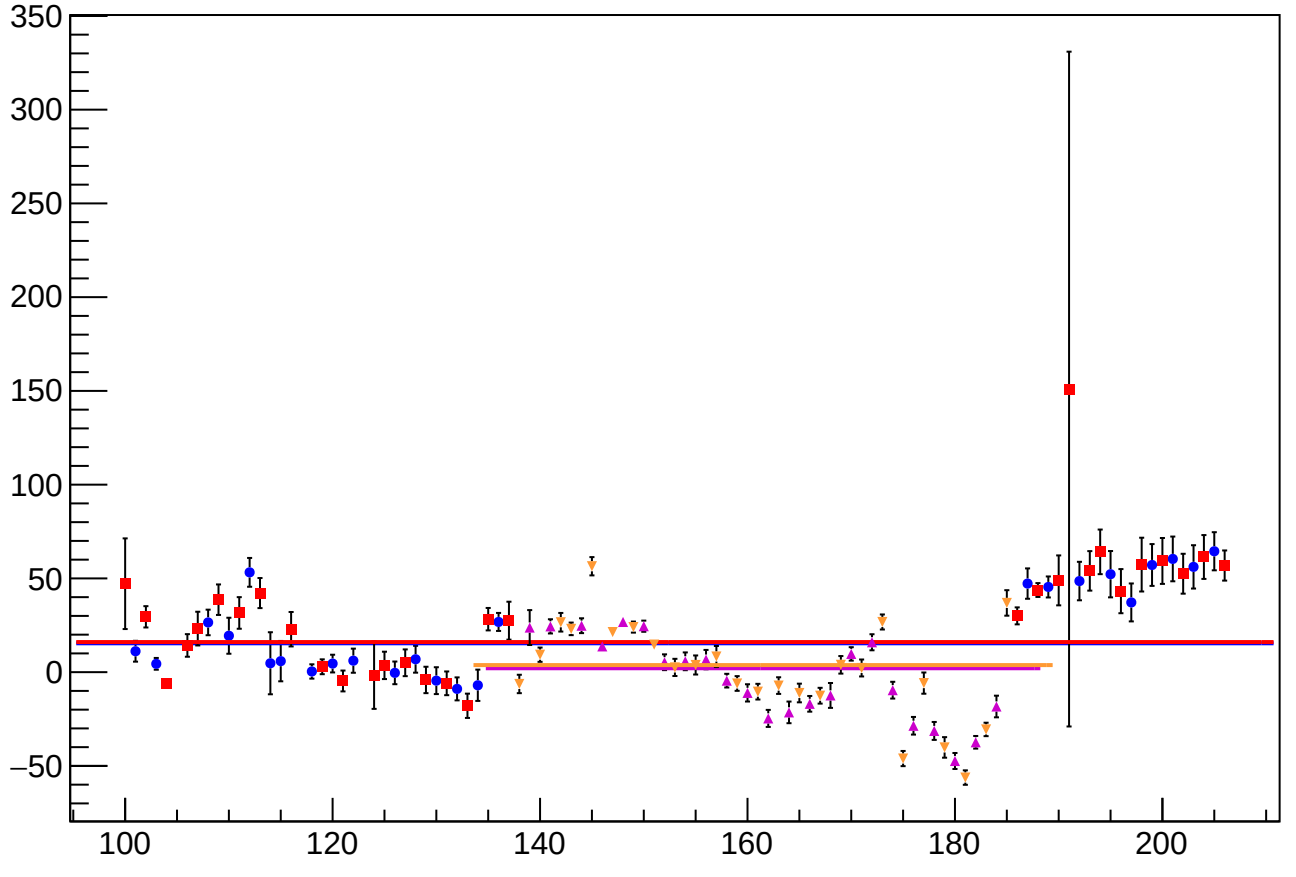
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

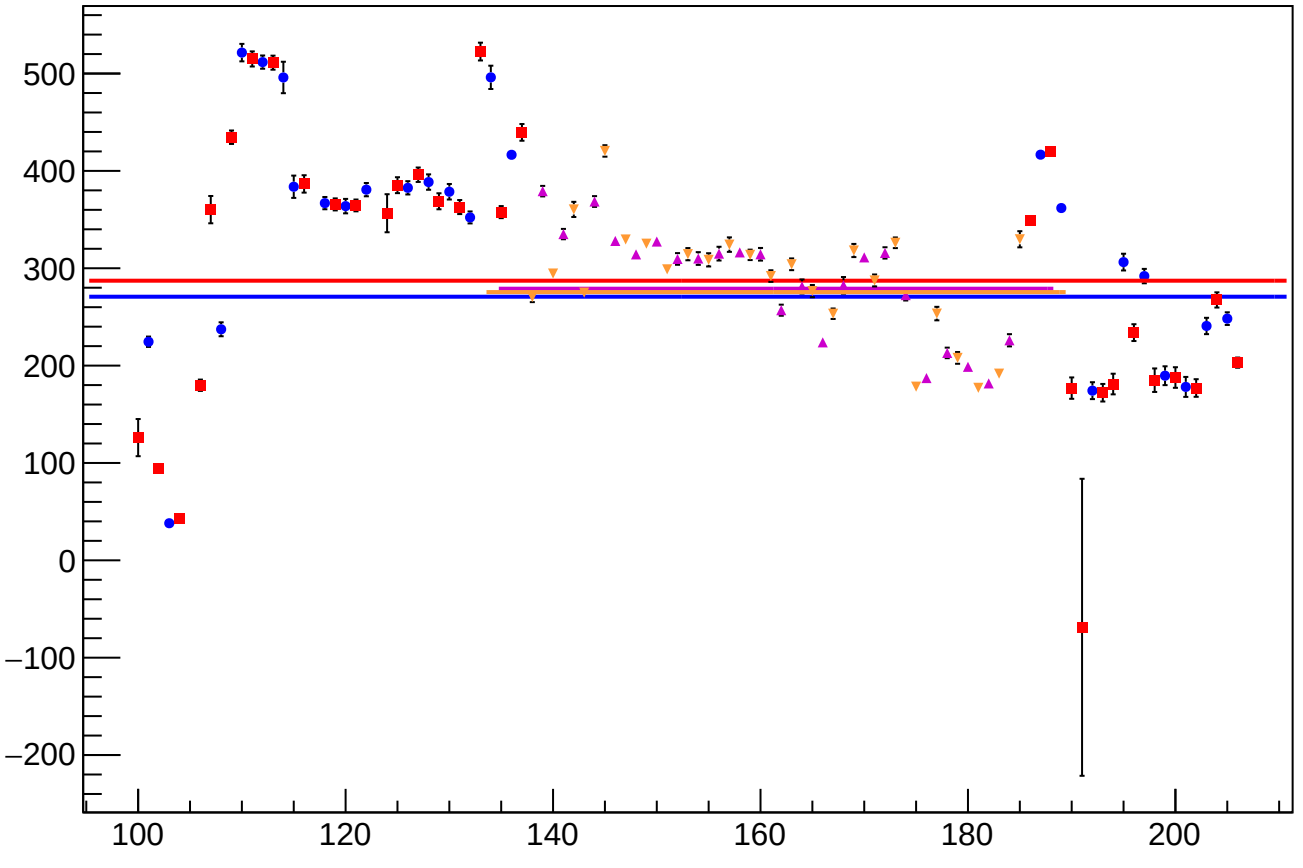
Right: -213.820+/-0.815 χ^2/NDF: 21081.9/55

In: -208.753+/-0.820 χ^2/NDF:11749.2/47

Out: -213.227+/-0.763 χ^2/NDF:15838.0/55

All: -211.149+/-0.559 χ^2/NDF: 27603.2/103


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 15.396+/-1.303 χ²/NDF: 240.6/24
Left Out: 3.770+/-0.787 χ²/NDF:972.1/24
Right Out: 16.053+/-1.164 χ²/NDF: 379.3/30
Left In: 2.079+/-0.820 χ²/NDF:770.2/22
Left: 2.959+/-0.568 χ²/NDF: 1744.5/47
Right: 15.761+/-0.868 χ²/NDF: 620.1/55
In: 5.856+/-0.694 χ²/NDF:1085.6/47
Out: 7.627+/-0.652 χ²/NDF:1427.9/55
All: 6.797+/-0.475 χ²/NDF: 2517.0/103



Right In: 270.769+/-1.183 χ^2/NDF: 17606.9/24

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 287.216+/-1.020 χ^2/NDF: 22158.7/30

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

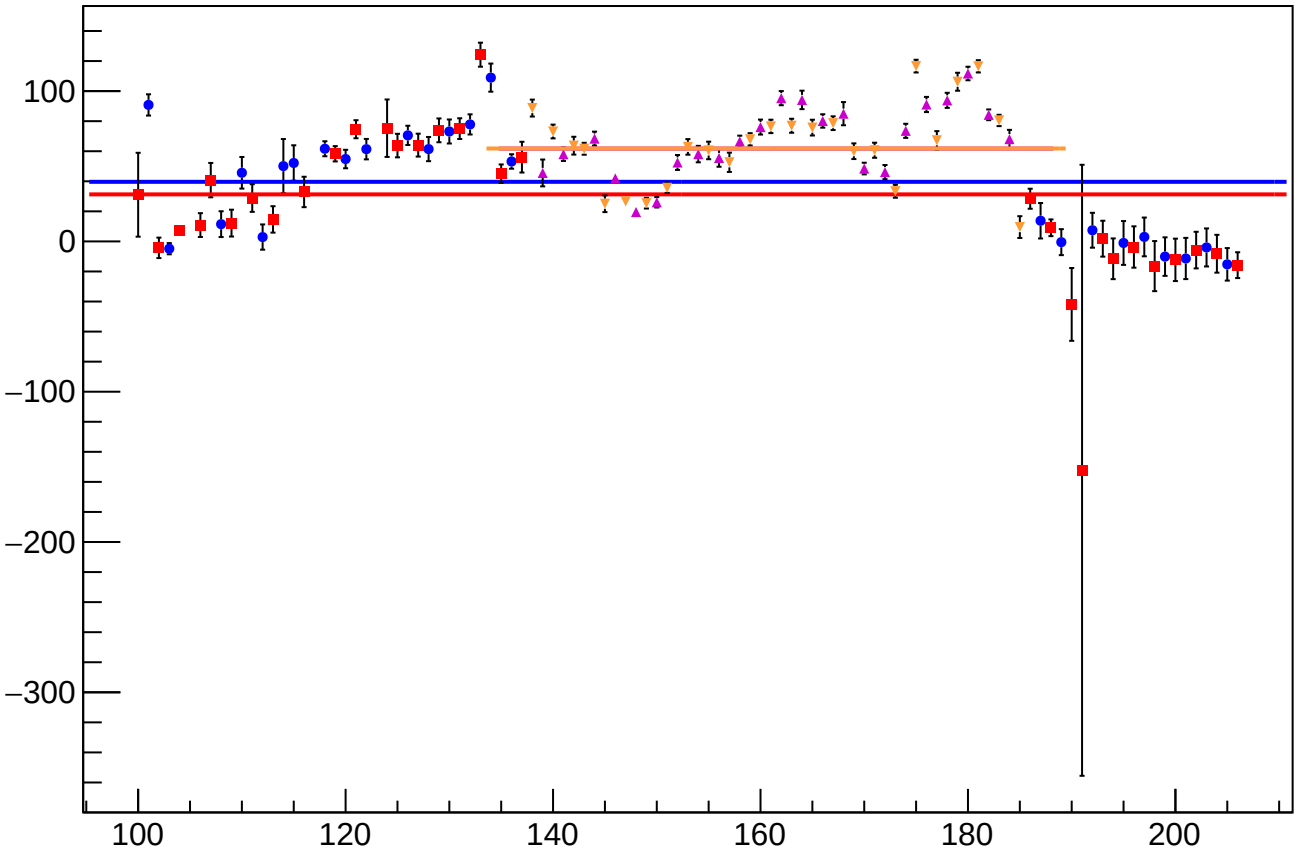
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 280.201+/-0.772 χ^2/NDF: 39876.5/55

In: 275.218+/-0.801 χ^2/NDF:20747.7/47

Out: 281.612+/-0.736 χ^2/NDF:25544.8/55

All: 278.687+/-0.542 χ^2/NDF: 46327.1/103



Right In: 39.651+/-1.535 χ^2/NDF: 522.1/24

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 31.295+/-1.411 χ^2/NDF: 556.0/30

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

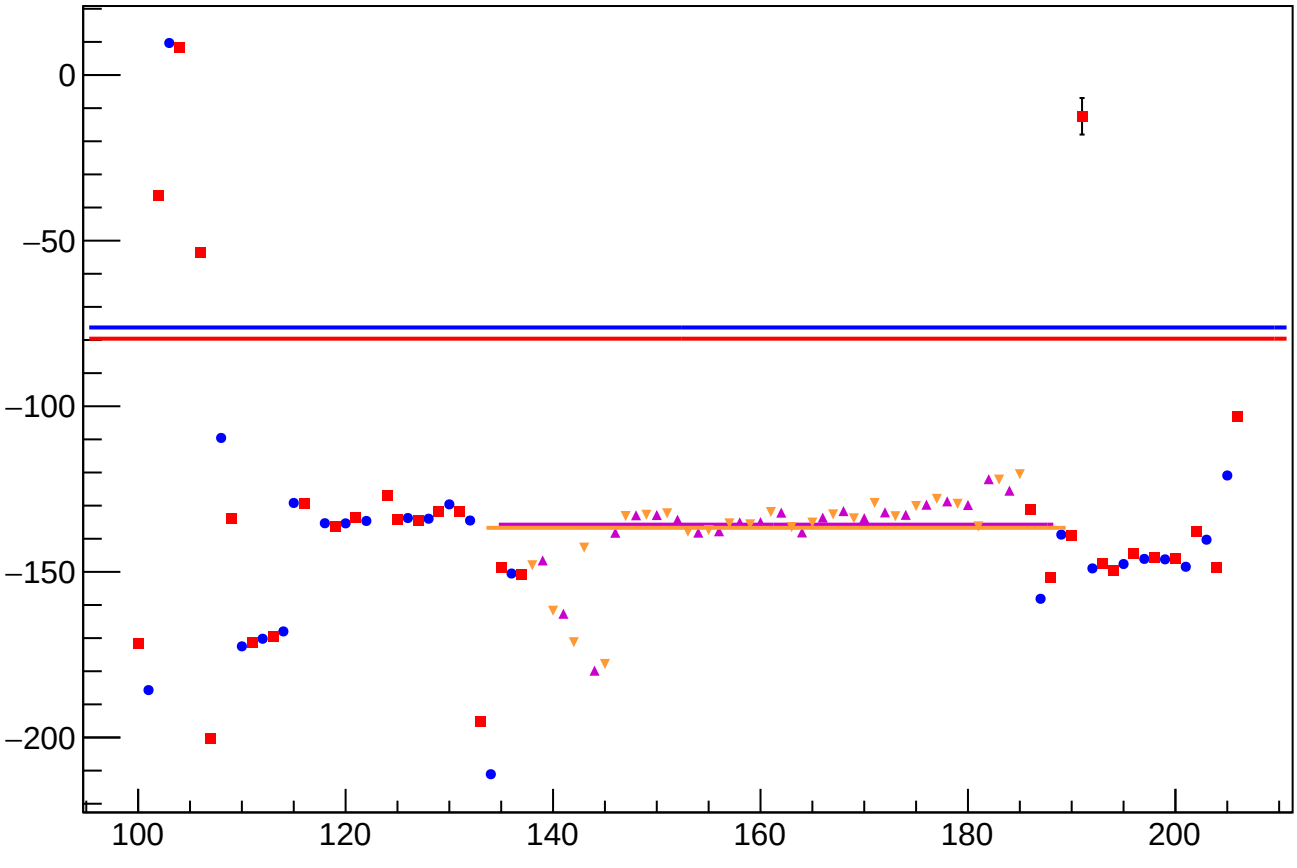
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 35.122+/-1.039 χ^2/NDF: 1094.2/55

In: 55.744+/-0.801 χ^2/NDF:1409.1/47

Out: 52.887+/-0.763 χ^2/NDF:1846.5/55

All: 54.247+/-0.552 χ^2/NDF: 3262.3/103



Right In: -76.214+/-0.065 χ^2/NDF: 1508766.8/24

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -79.595+/-0.063 χ^2/NDF: 1215779.3/30

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

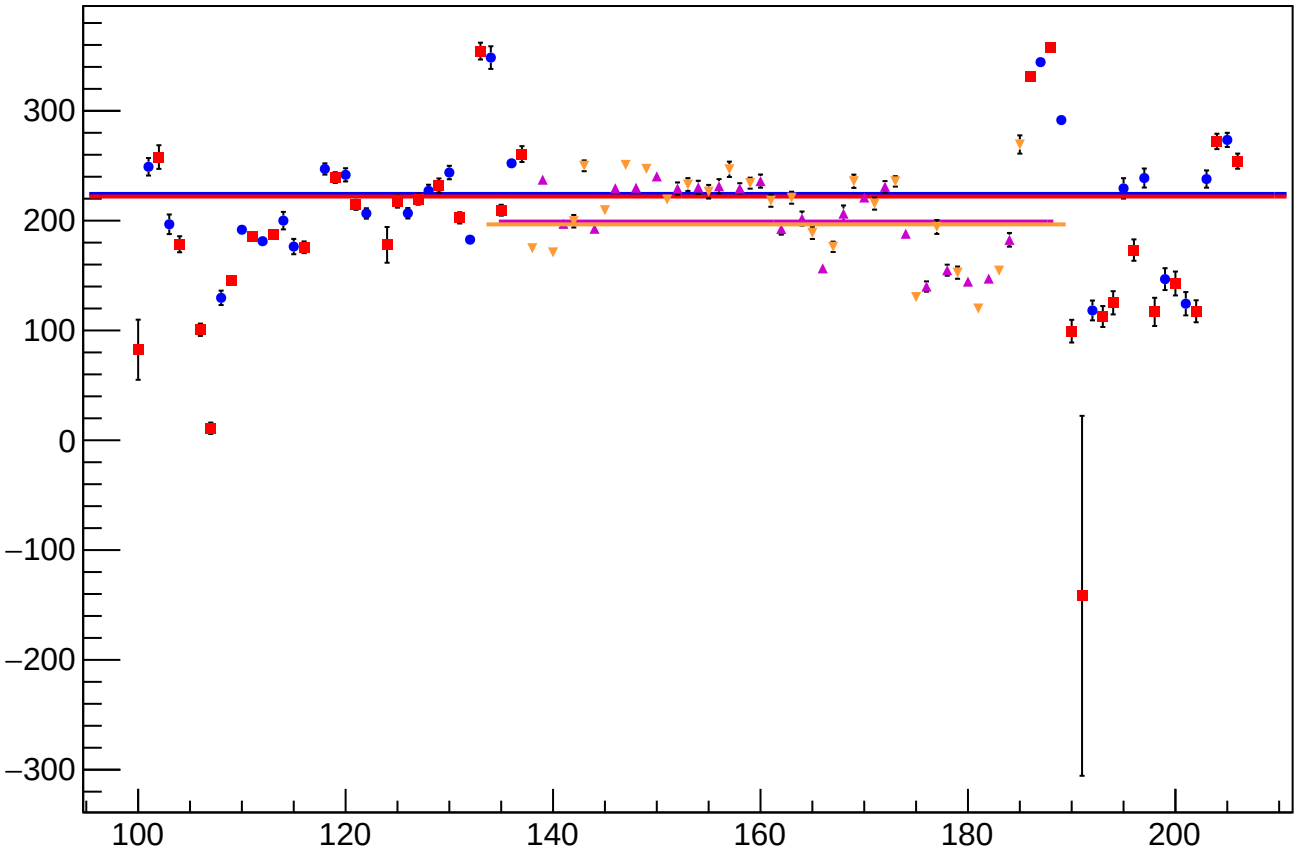
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -77.941+/-0.045 χ^2/NDF: 2725935.2/55

In: -117.669+/-0.036 χ^2/NDF:2159778.1/47

Out: -119.153+/-0.035 χ^2/NDF:1856008.0/55

All: -118.422+/-0.025 χ^2/NDF: 4016662.5/10



Right In: 224.320+/-1.126 χ^2/NDF: 2163.5/24

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.964+/-0.978 χ^2/NDF: 8165.5/30

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

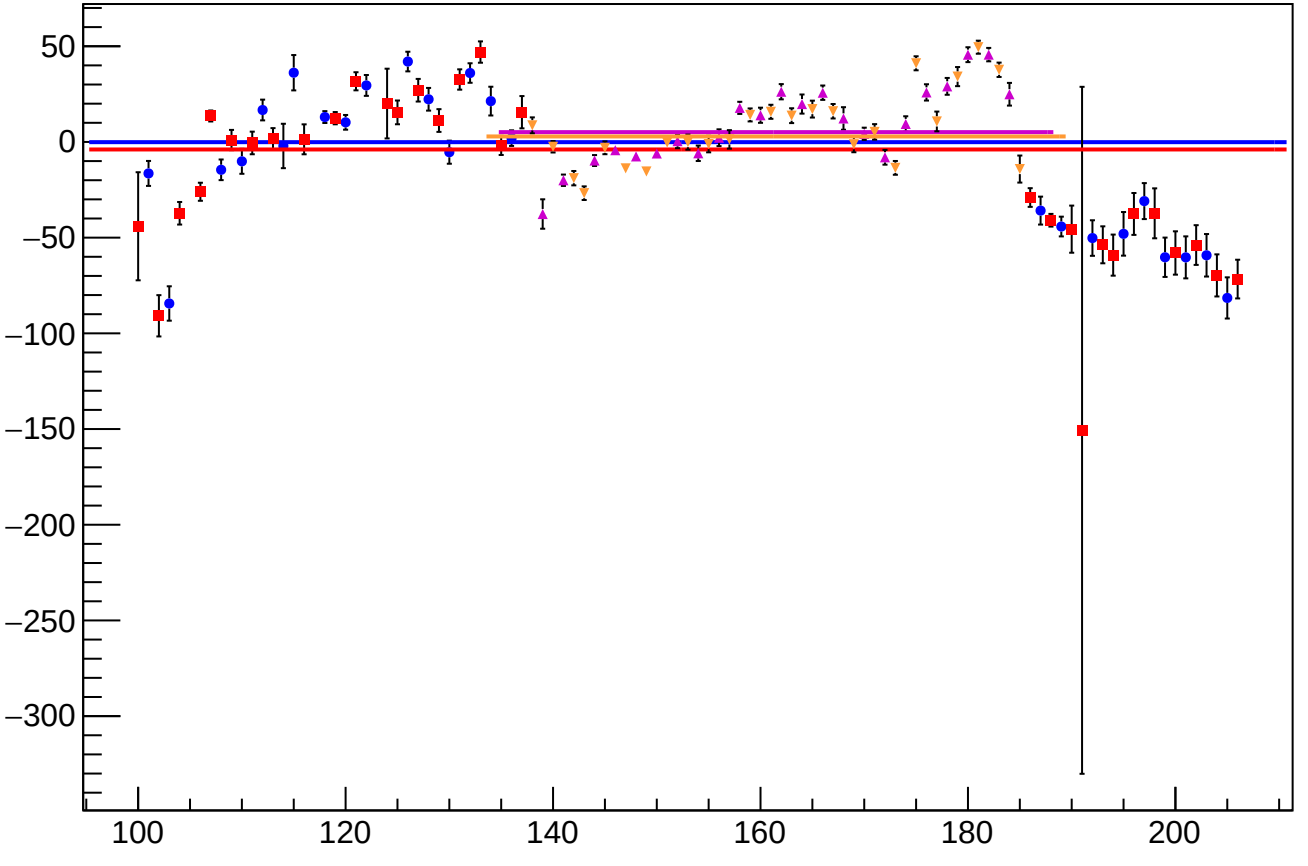
Right: 222.977+/-0.738 χ^2/NDF: 10331.5/55

In: 209.908+/-0.736 χ^2/NDF:3744.1/47

Out: 208.875+/-0.680 χ^2/NDF:10588.1/55

All: 209.351+/-0.500 χ^2/NDF: 14333.2/103

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.111+/-1.209 χ^2/NDF: 629.1/24

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.930+/-1.069 χ^2/NDF: 783.5/30

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

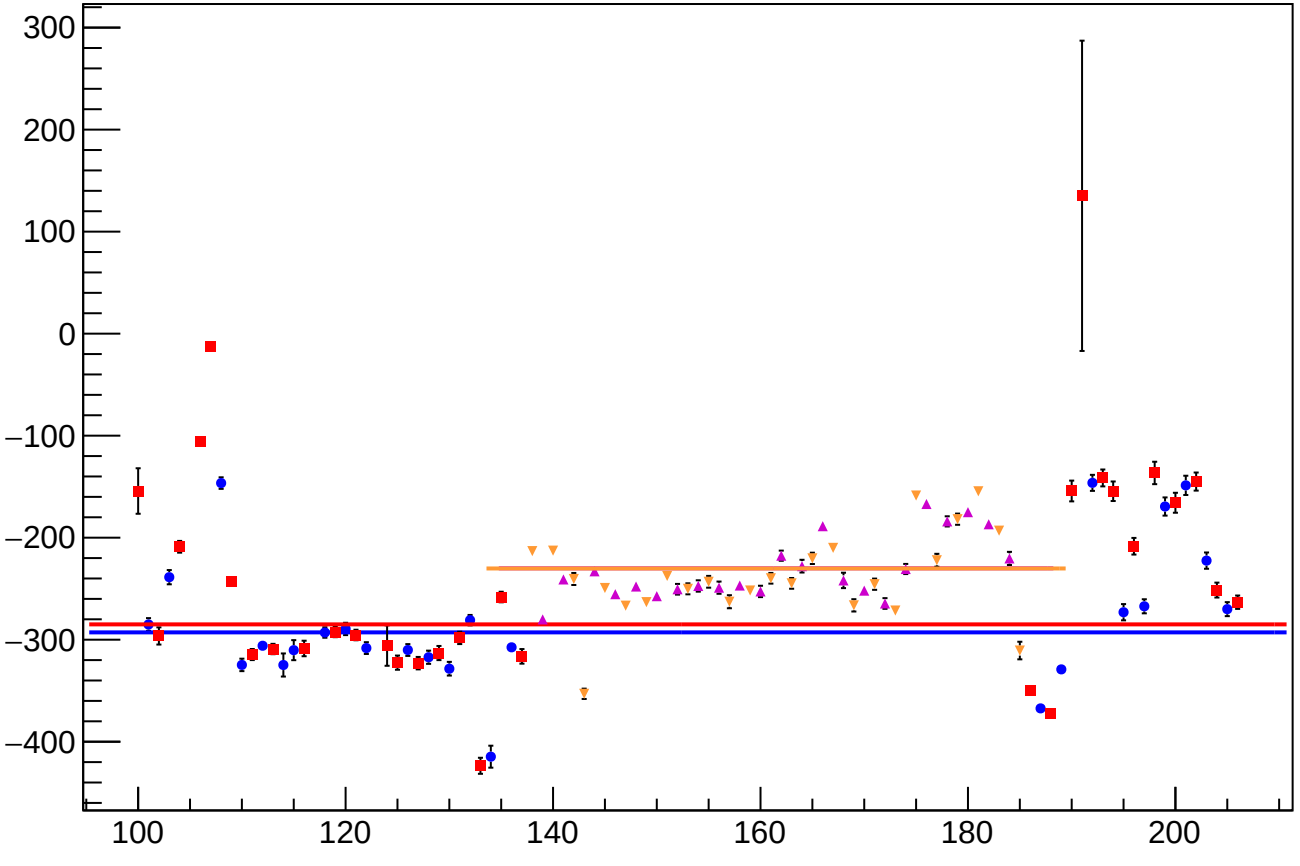
Right: -2.254+/-0.801 χ^2/NDF: 1418.2/55

In: 3.760+/-0.617 χ^2/NDF:1271.5/47

Out: 0.858+/-0.582 χ^2/NDF:1564.8/55

All: 2.223+/-0.423 χ^2/NDF: 2848.0/103

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -292.827+/-1.178 χ^2/NDF: 2362.3/24

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -284.986+/-0.986 χ^2/NDF: 9918.2/30

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

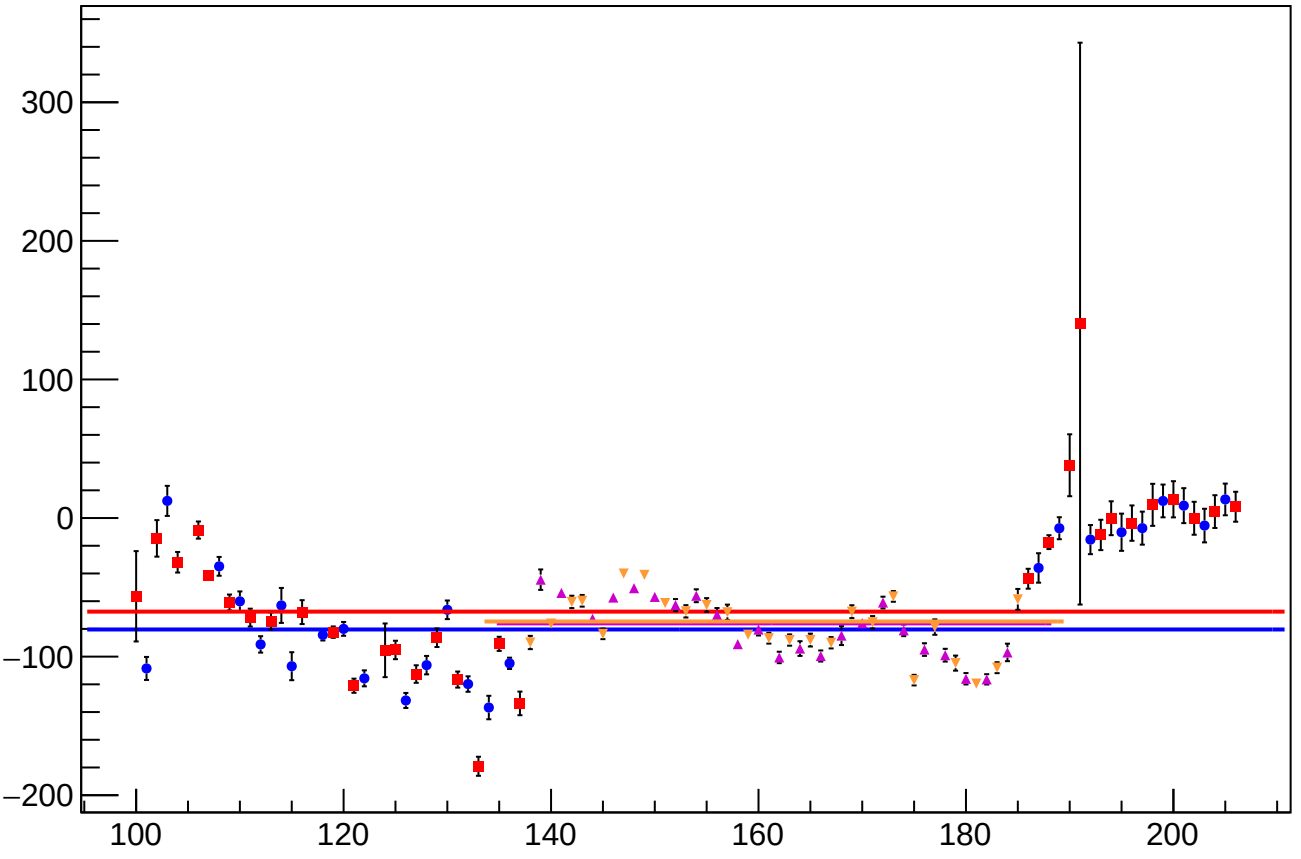
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -288.214+/-0.756 χ^2/NDF: 12306.6/55

In: -255.125+/-0.745 χ^2/NDF:5161.2/47

Out: -256.254+/-0.680 χ^2/NDF:13720.6/55

All: -255.741+/-0.502 χ^2/NDF: 18883.1/103



Right In: -80.413+/-1.416 χ^2/NDF: 849.1/24

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -67.534+/-1.282 χ^2/NDF: 1198.2/30

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

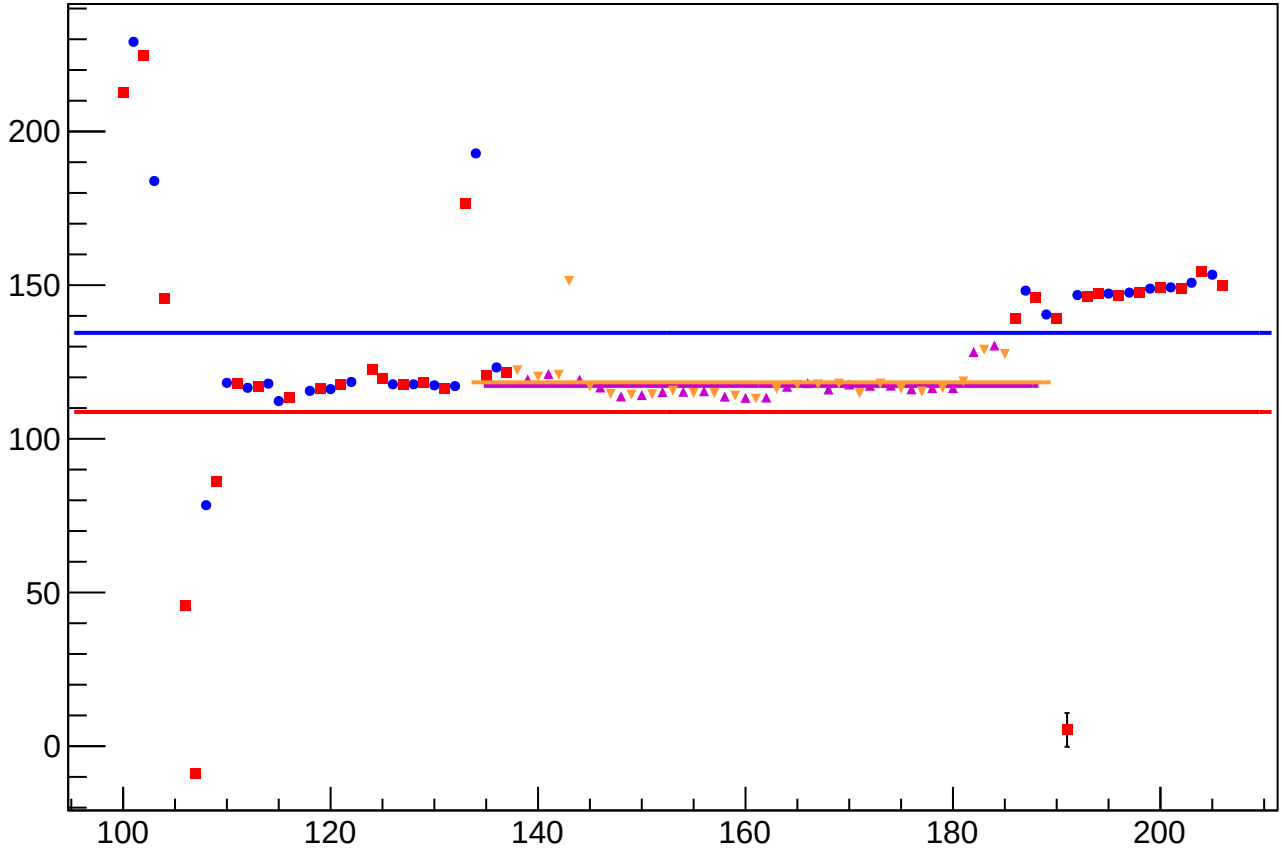
Right: -73.336+/-0.950 χ^2/NDF: 2092.8/55

In: -77.136+/-0.712 χ^2/NDF:1502.3/47

Out: -72.648+/-0.679 χ^2/NDF:2051.3/55

All: -74.785+/-0.491 χ^2/NDF: 3574.5/103

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 134.478+/-0.074 χ^2/NDF: 197802.5/24

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 108.732+/-0.066 χ^2/NDF: 761054.5/30

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

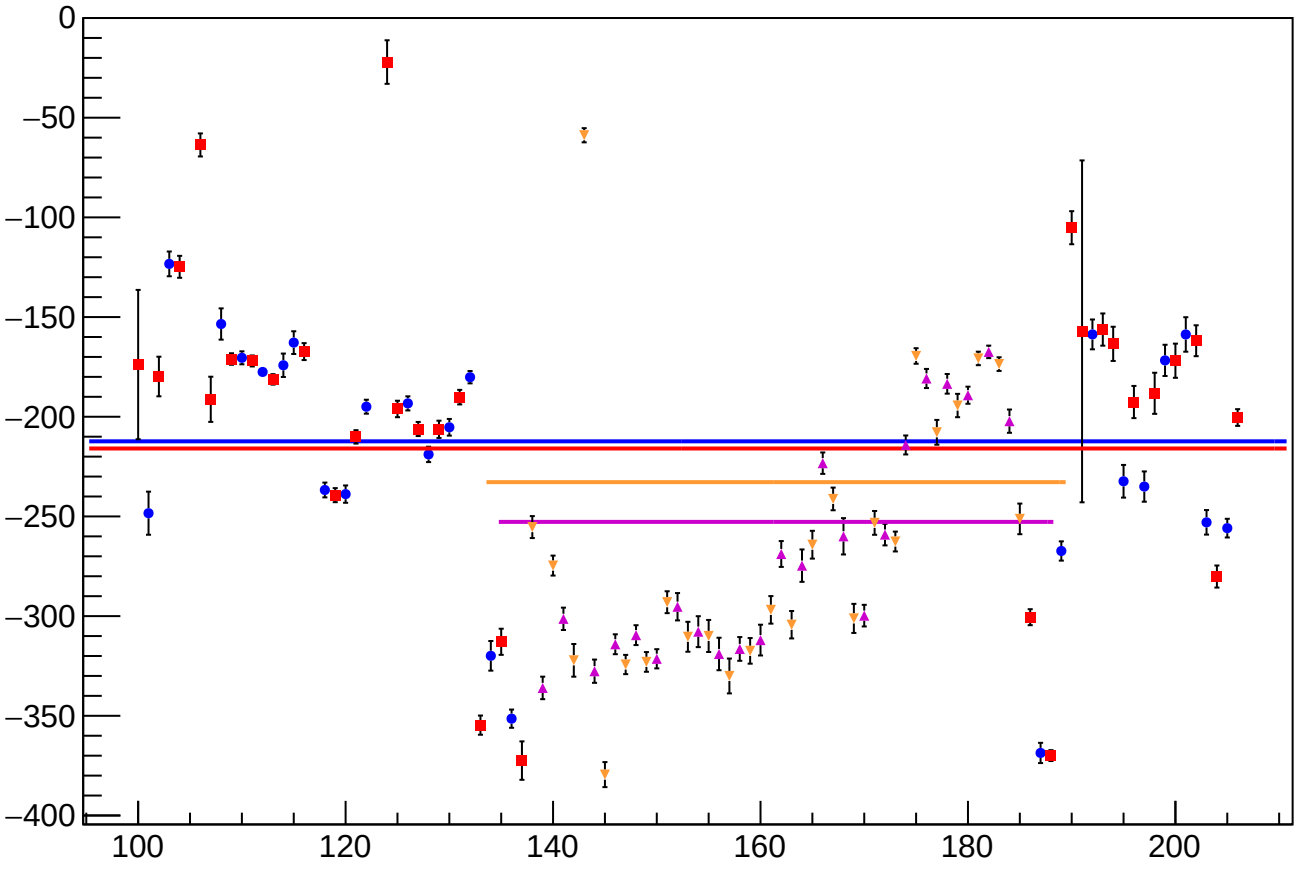
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 120.007+/-0.049 χ^2/NDF: 1026266.9/55

In: 120.740+/-0.034 χ^2/NDF:250915.8/47

Out: 116.028+/-0.032 χ^2/NDF:812342.2/55

All: 118.302+/-0.023 χ^2/NDF: 1073459.1/103



Right In: -212.324+/-0.918 χ^2/NDF: 3479.7/24

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.926+/-0.834 χ^2/NDF: 7679.6/30

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

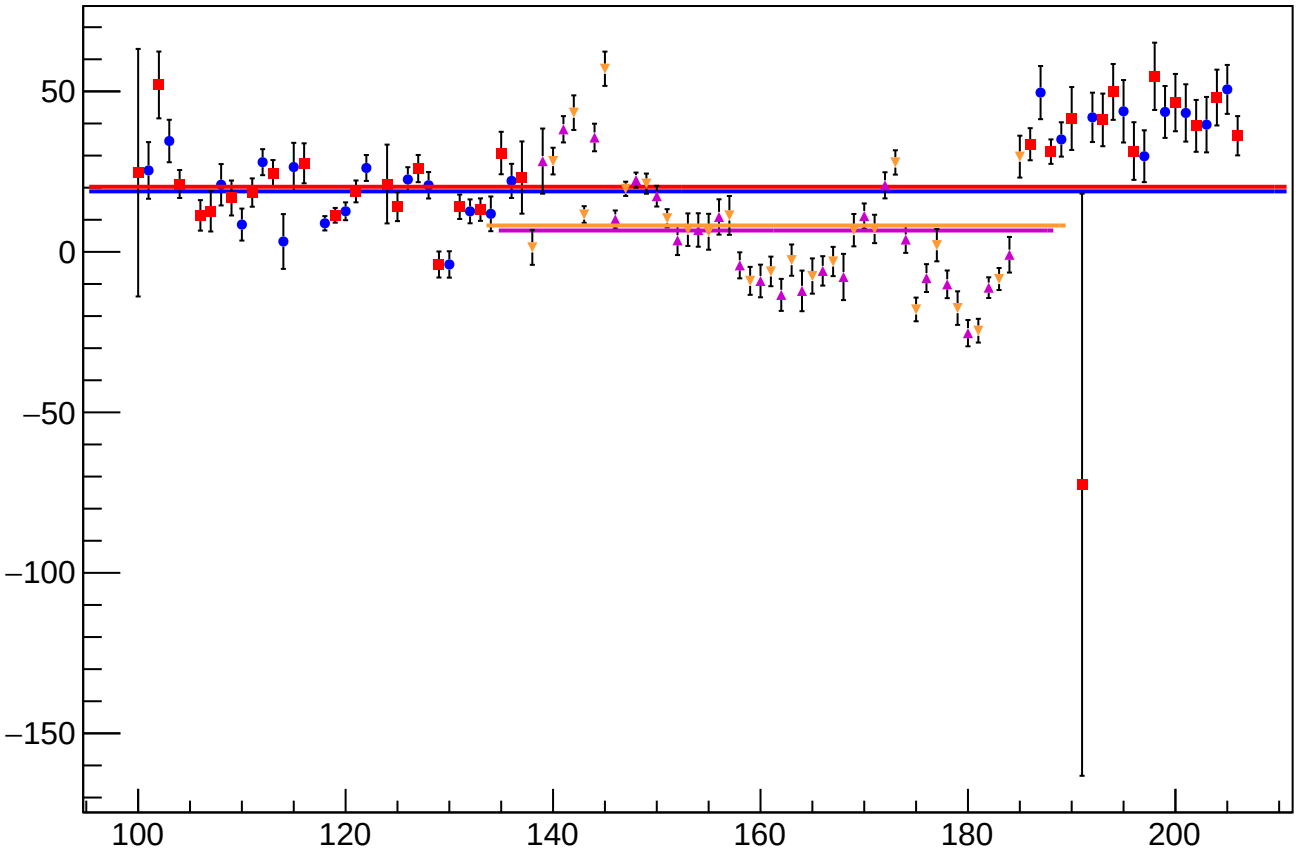
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.298+/-0.617 χ^2/NDF: 11167.8/55

In: -228.378+/-0.713 χ^2/NDF:7163.6/47

Out: -222.287+/-0.658 χ^2/NDF:13597.9/55

All: -225.091+/-0.484 χ^2/NDF: 20801.0/103



Right In: 18.848+/-0.970 χ^2/NDF: 165.0/24

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 20.287+/-0.926 χ^2/NDF: 163.7/30

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

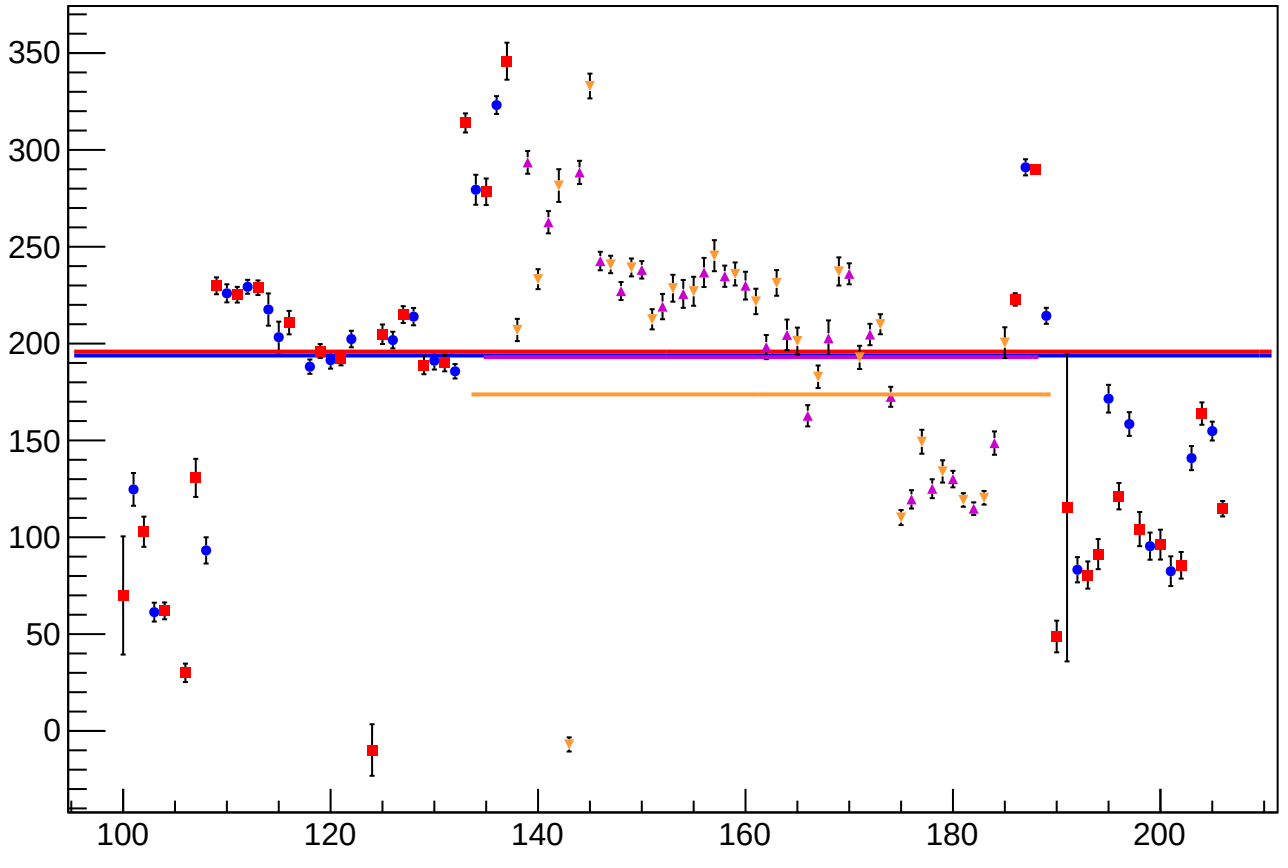
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 19.602+/-0.670 χ^2/NDF: 329.8/55

In: 12.008+/-0.643 χ^2/NDF:608.4/47

Out: 13.402+/-0.607 χ^2/NDF:718.5/55

All: 12.745+/-0.441 χ^2/NDF: 1329.4/103



Right In: 193.849+/-1.005 χ^2/NDF: 3568.4/24

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.866+/-0.885 χ^2/NDF: 7549.1/30

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

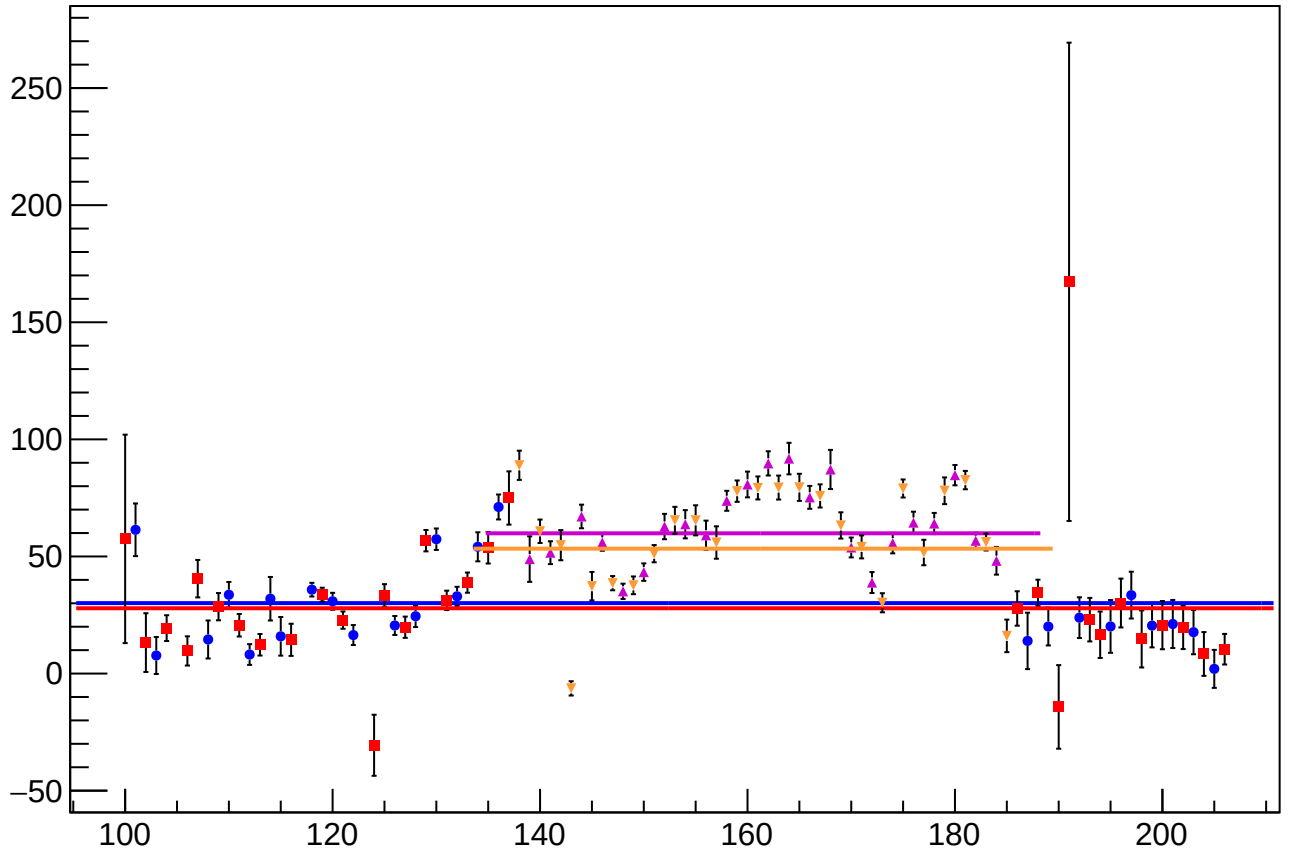
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.984+/-0.664 χ^2/NDF: 11119.7/55

In: 193.483+/-0.749 χ^2/NDF:6080.7/47

Out: 186.866+/-0.682 χ^2/NDF:13063.8/55

All: 189.866+/-0.504 χ^2/NDF: 19187.1/103



Right In: 30.077+/-1.135 χ^2/NDF: 199.2/24

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.885+/-1.088 χ^2/NDF: 166.6/30

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

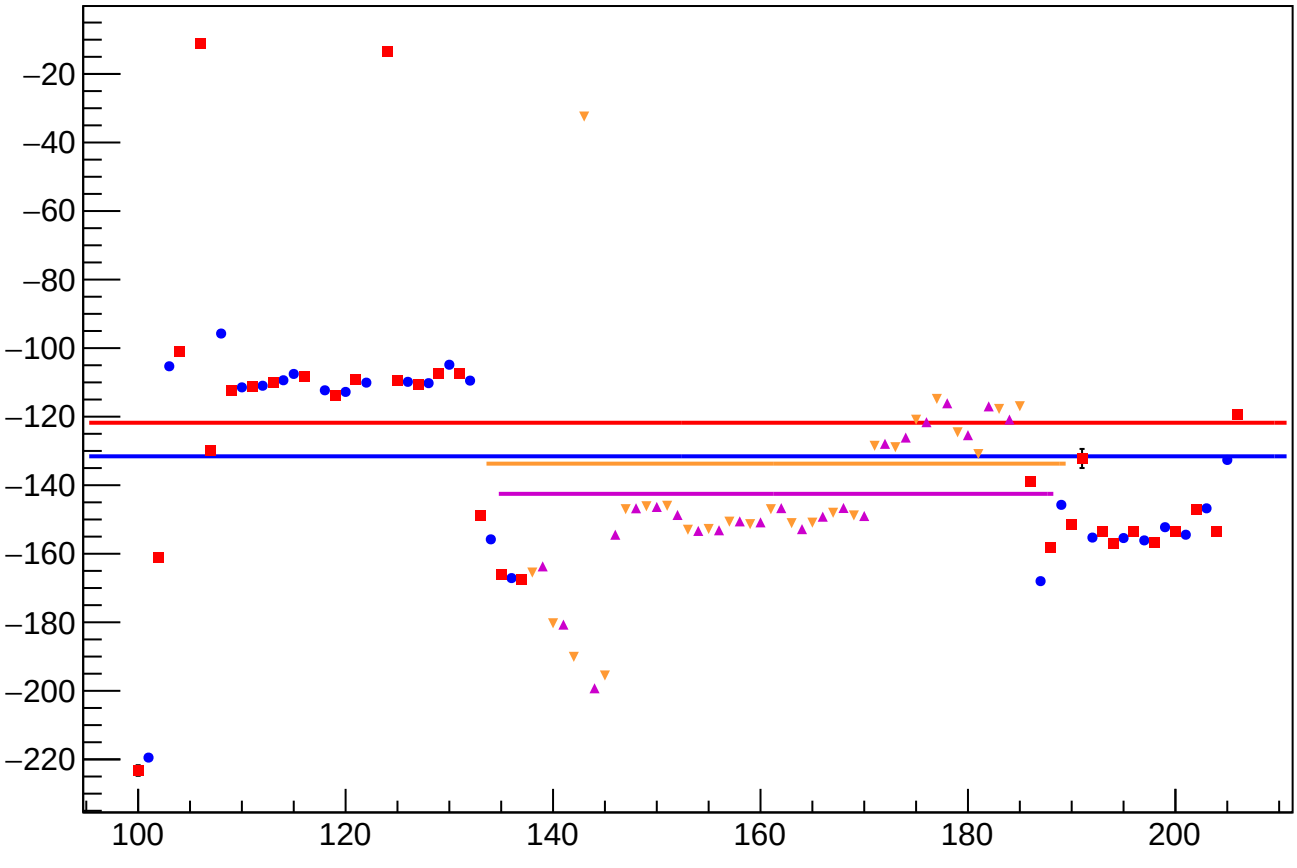
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 28.934+/-0.785 χ^2/NDF: 367.7/55

In: 47.200+/-0.740 χ^2/NDF:846.8/47

Out: 42.695+/-0.703 χ^2/NDF:1264.1/55

All: 44.831+/-0.510 χ^2/NDF: 2130.3/103



Right In: -131.569+/-0.064 χ^2/NDF: 172925.1/24

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.775+/-0.059 χ^2/NDF: 495616.6/30

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

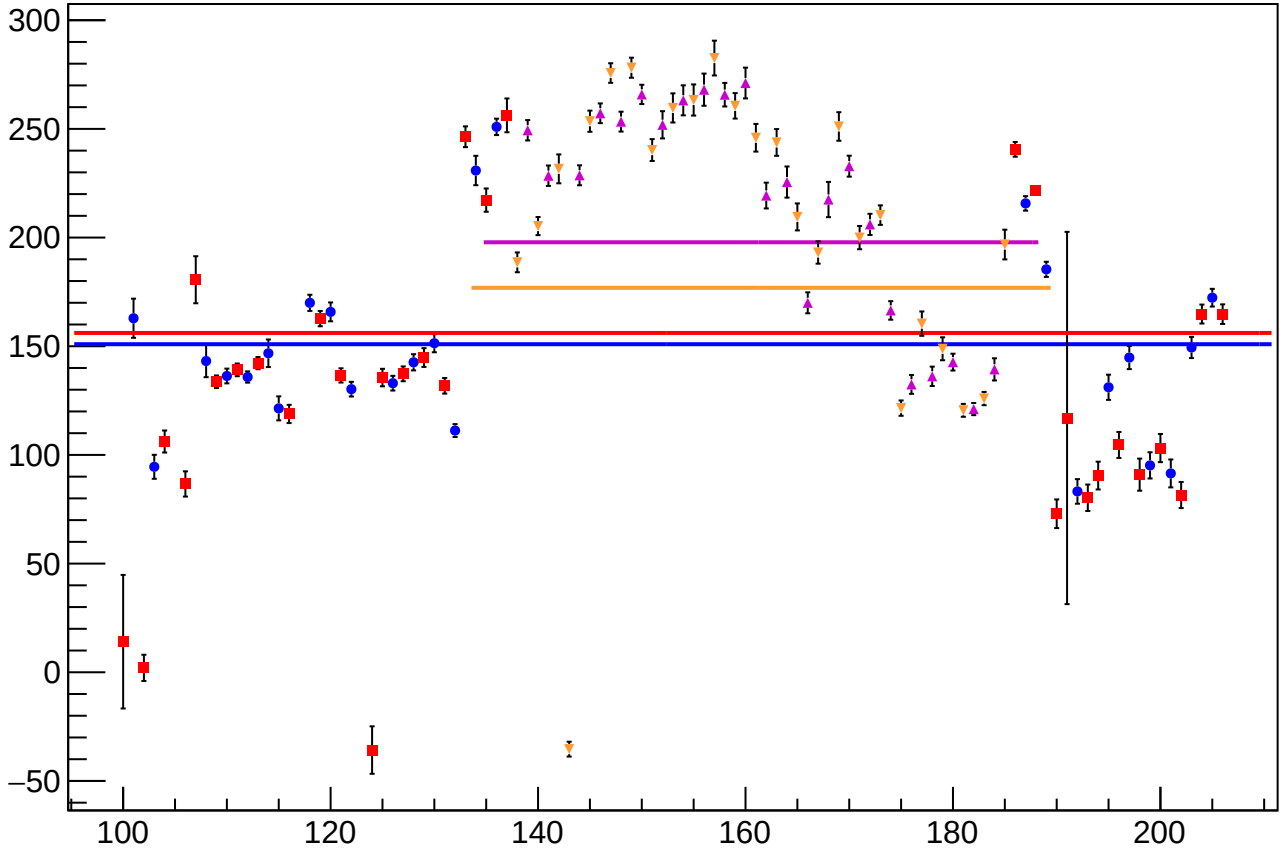
Right: -126.250+/-0.043 χ^2/NDF: 681181.6/55

In: -138.974+/-0.037 χ^2/NDF:371078.3/47

Out: -129.580+/-0.035 χ^2/NDF:1198406.2/55

All: -134.028+/-0.025 χ^2/NDF: 1604312.7/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 150.932+/-0.840 χ^2/NDF: 2149.3/24

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 156.122+/-0.754 χ^2/NDF: 5002.6/30

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

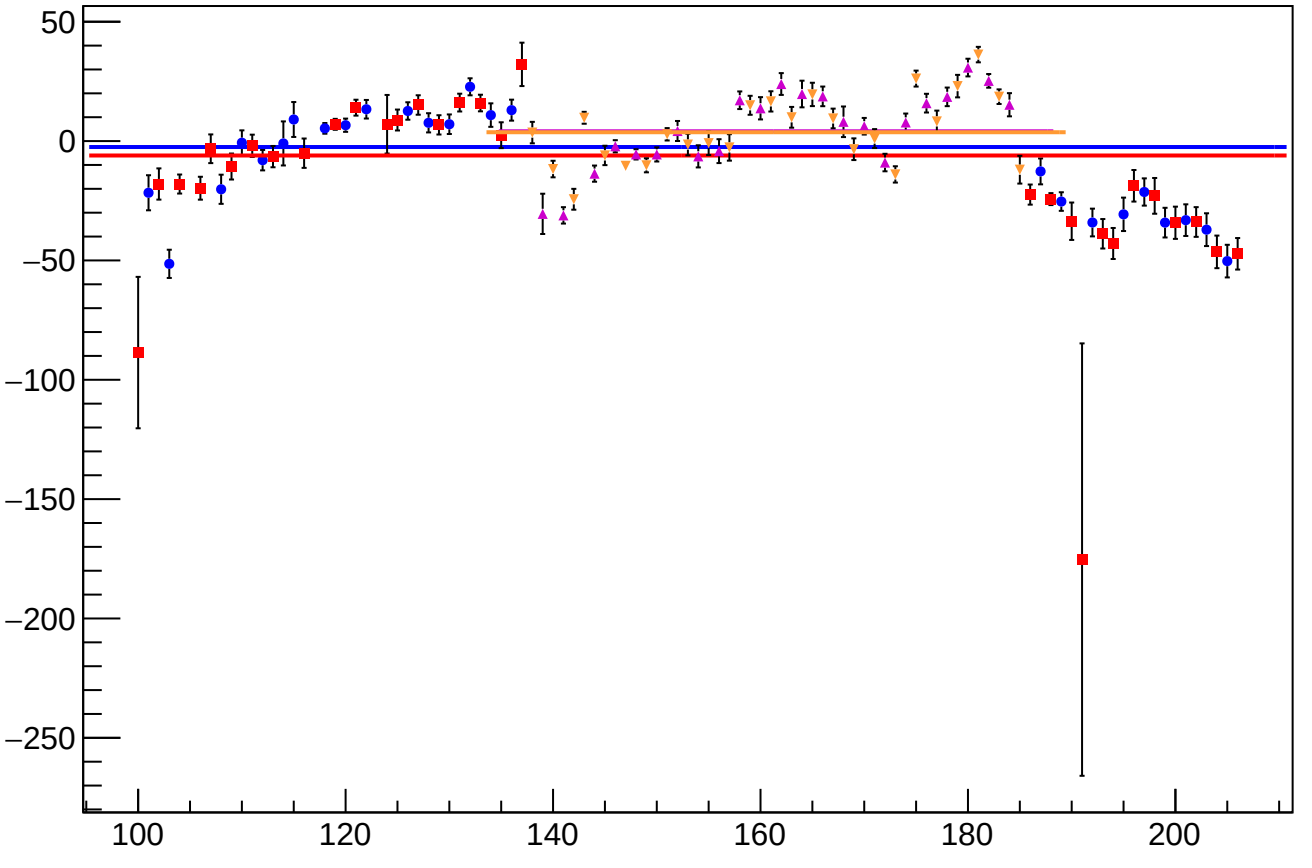
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 153.808+/-0.561 χ^2/NDF: 7173.0/55

In: 170.199+/-0.645 χ^2/NDF:6397.3/47

Out: 164.063+/-0.592 χ^2/NDF:12717.6/55

All: 166.870+/-0.436 χ^2/NDF: 19164.0/103



Right In: -2.487+/-0.901 χ^2/NDF: 442.6/24

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -6.040+/-0.848 χ^2/NDF: 507.5/30

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

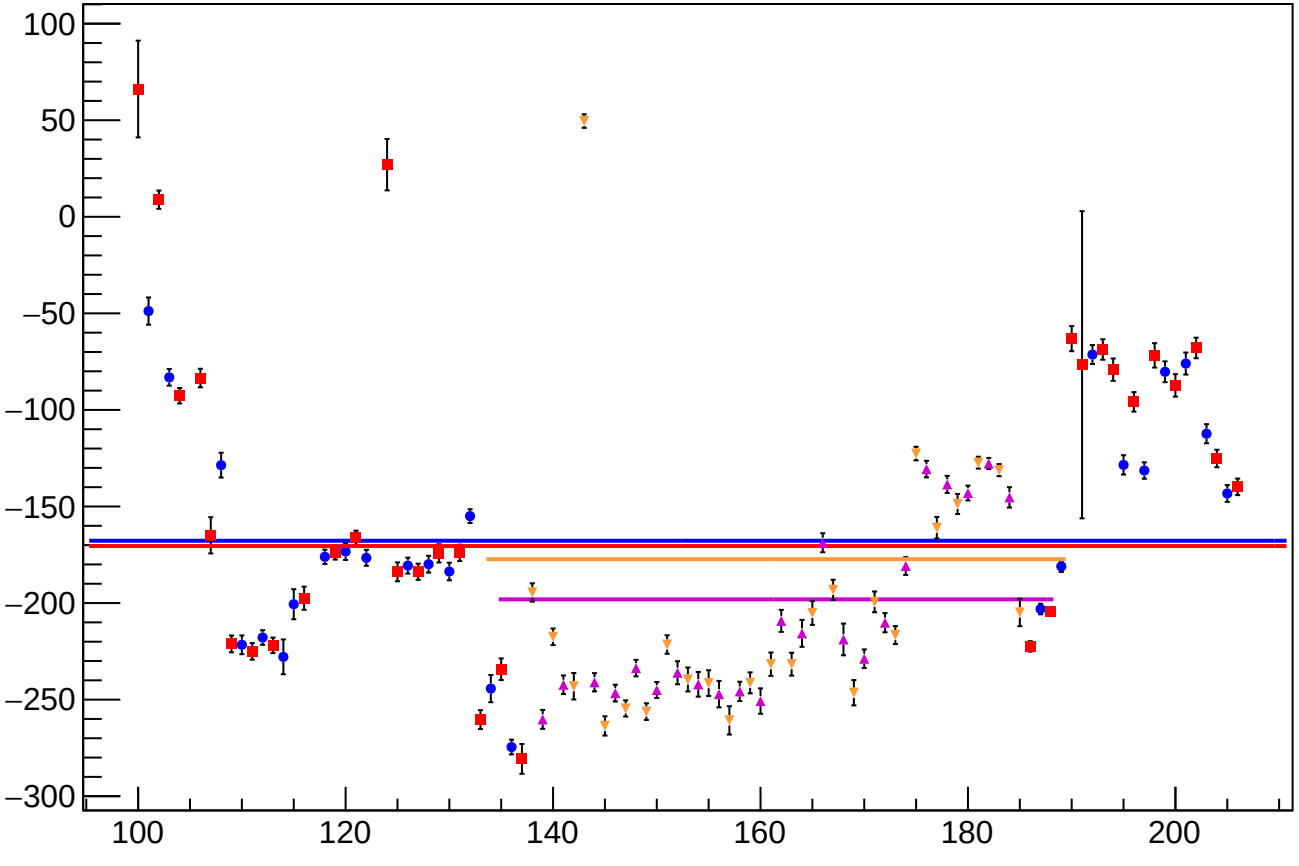
Right: -4.372+/-0.617 χ^2/NDF: 958.4/55

In: 1.326+/-0.585 χ^2/NDF:872.5/47

Out: -0.400+/-0.550 χ^2/NDF:985.0/55

All: 0.411+/-0.401 χ^2/NDF: 1862.1/103

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -167.731+/-0.878 χ^2/NDF: 3408.2/24

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -170.487+/-0.755 χ^2/NDF: 6648.0/30

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

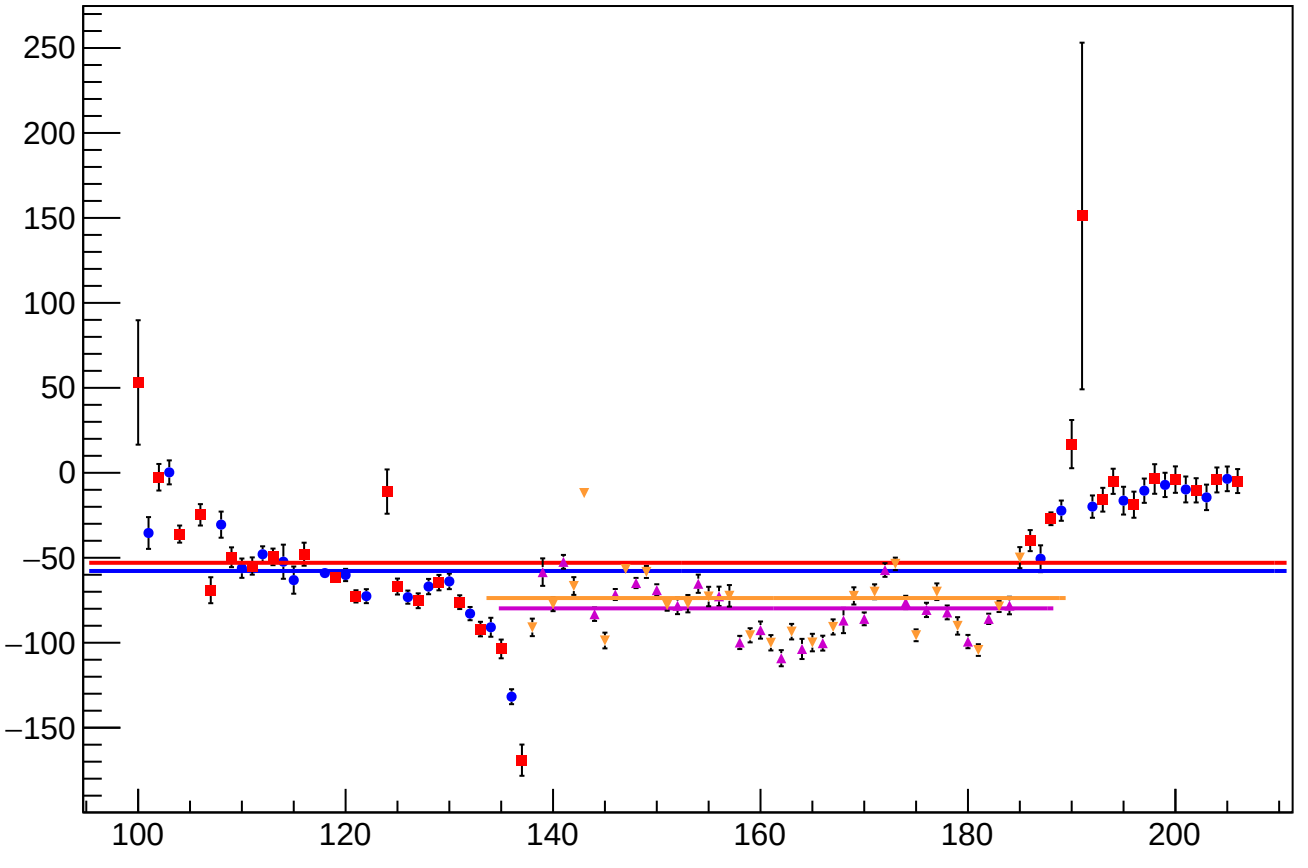
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

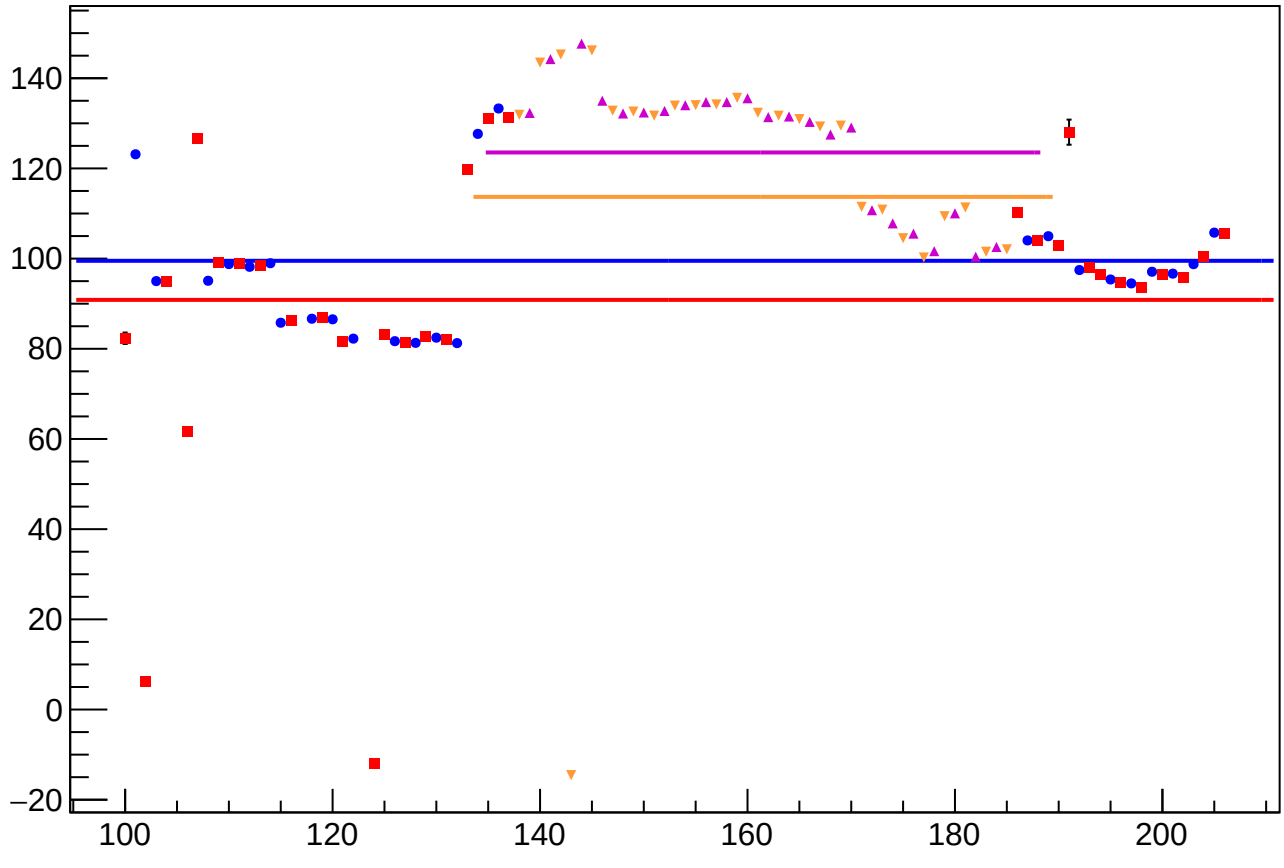
Right: -169.315+/-0.572 χ^2/NDF: 10061.9/55

In: -180.941+/-0.660 χ^2/NDF:6315.0/47

Out: -173.096+/-0.592 χ^2/NDF:13719.1/55

All: -176.599+/-0.441 χ^2/NDF: 20112.3/103


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -57.772+/-1.059 χ²/NDF: 803.1/24
Left Out: -73.706+/-0.829 χ²/NDF:839.6/24
Right Out: -52.956+/-1.010 χ²/NDF: 905.7/30
Left In: -79.777+/-0.874 χ²/NDF:277.1/22
Left: -76.581+/-0.601 χ²/NDF: 1142.1/47
Right: -55.251+/-0.731 χ²/NDF: 1719.7/55
In: -70.857+/-0.674 χ²/NDF:1337.2/47
Out: -65.355+/-0.641 χ²/NDF:1997.6/55
All: -67.967+/-0.464 χ²/NDF: 3369.8/103



Right In: 99.513+/-0.056 χ^2/NDF: 69568.0/24

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.847+/-0.051 χ^2/NDF: 287688.3/30

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

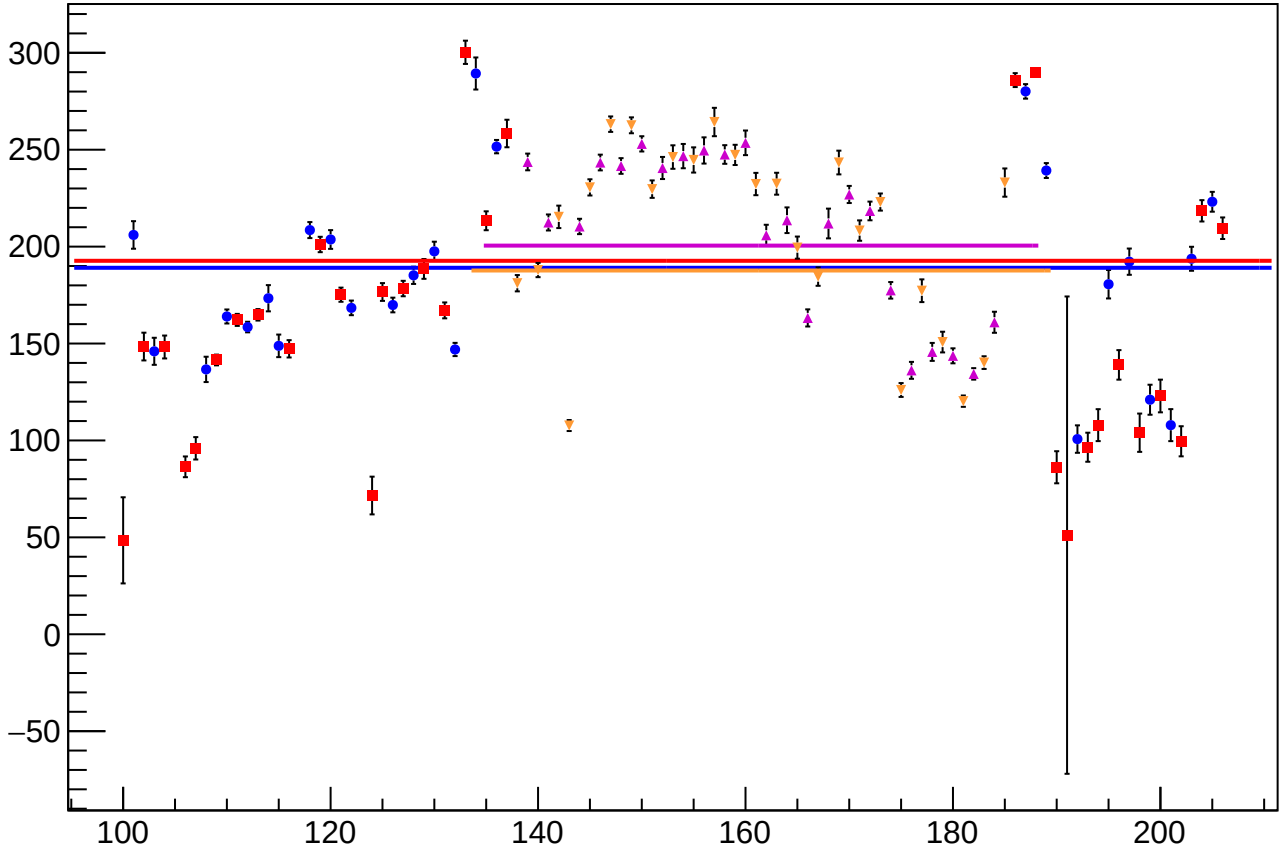
Right: 94.794+/-0.038 χ^2/NDF: 370480.5/55

In: 115.450+/-0.032 χ^2/NDF:327991.6/47

Out: 105.405+/-0.031 χ^2/NDF:1379400.3/55

All: 110.165+/-0.022 χ^2/NDF: 1758375.8/103

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

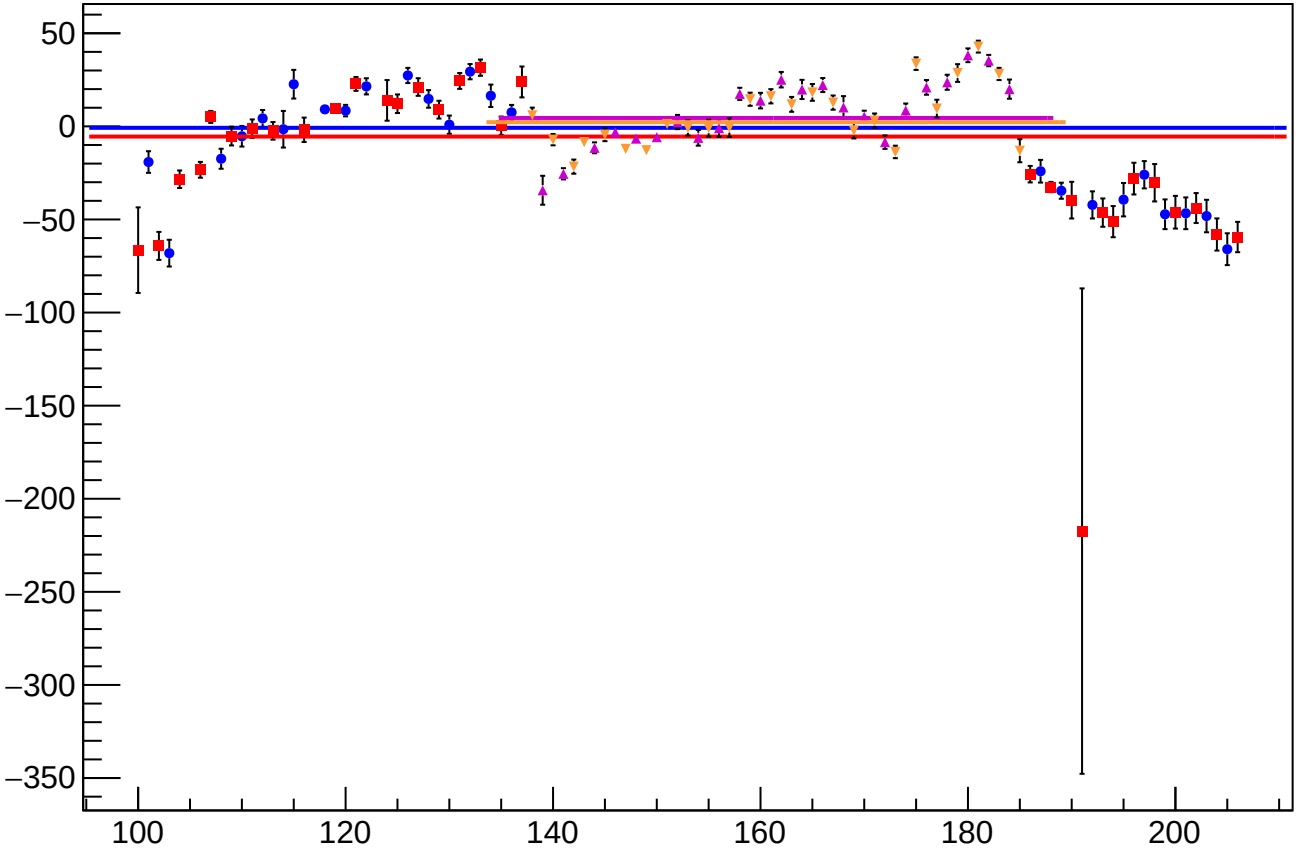
Right: 191.110+/-0.620 χ^2/NDF: 8202.2/55

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

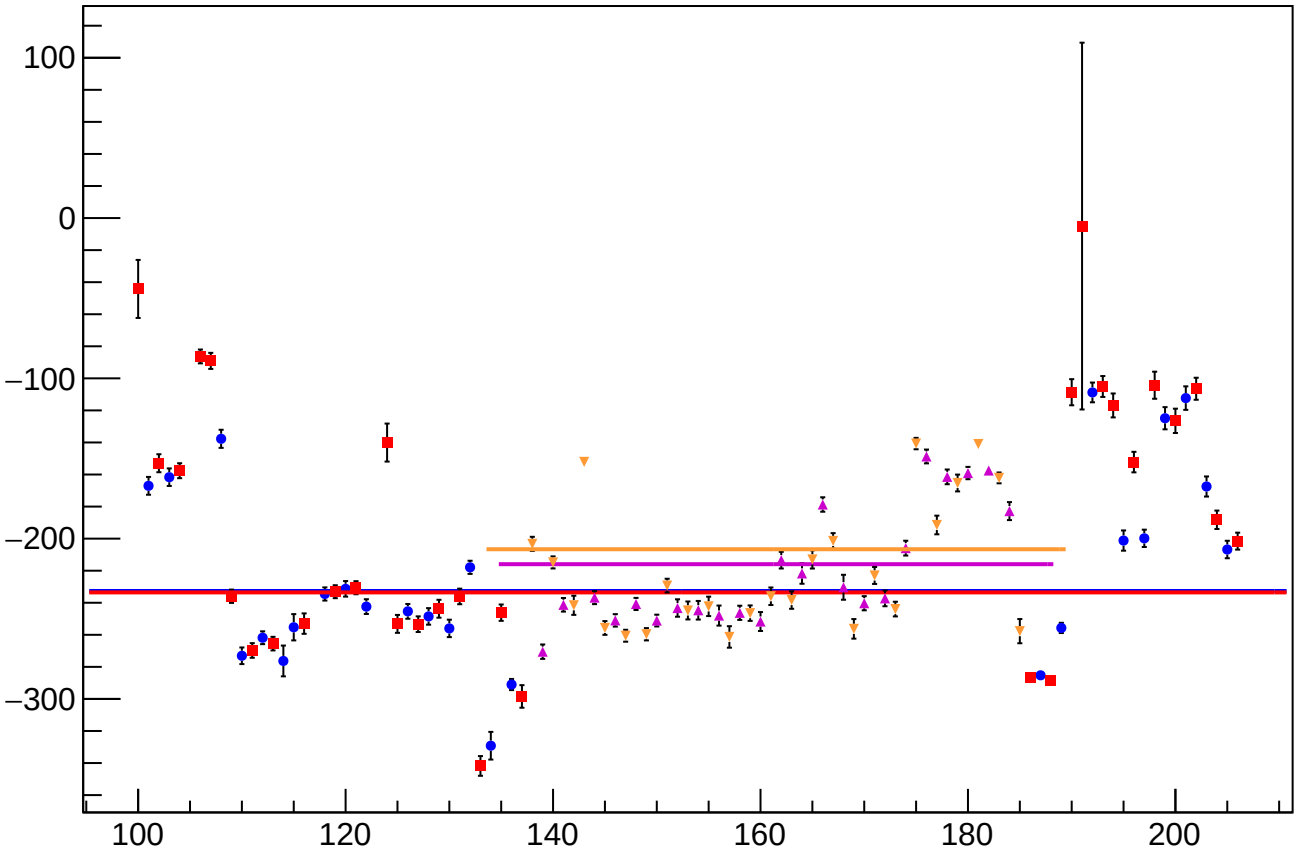
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.347+/-0.677 χ^2/NDF: 1329.1/55

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

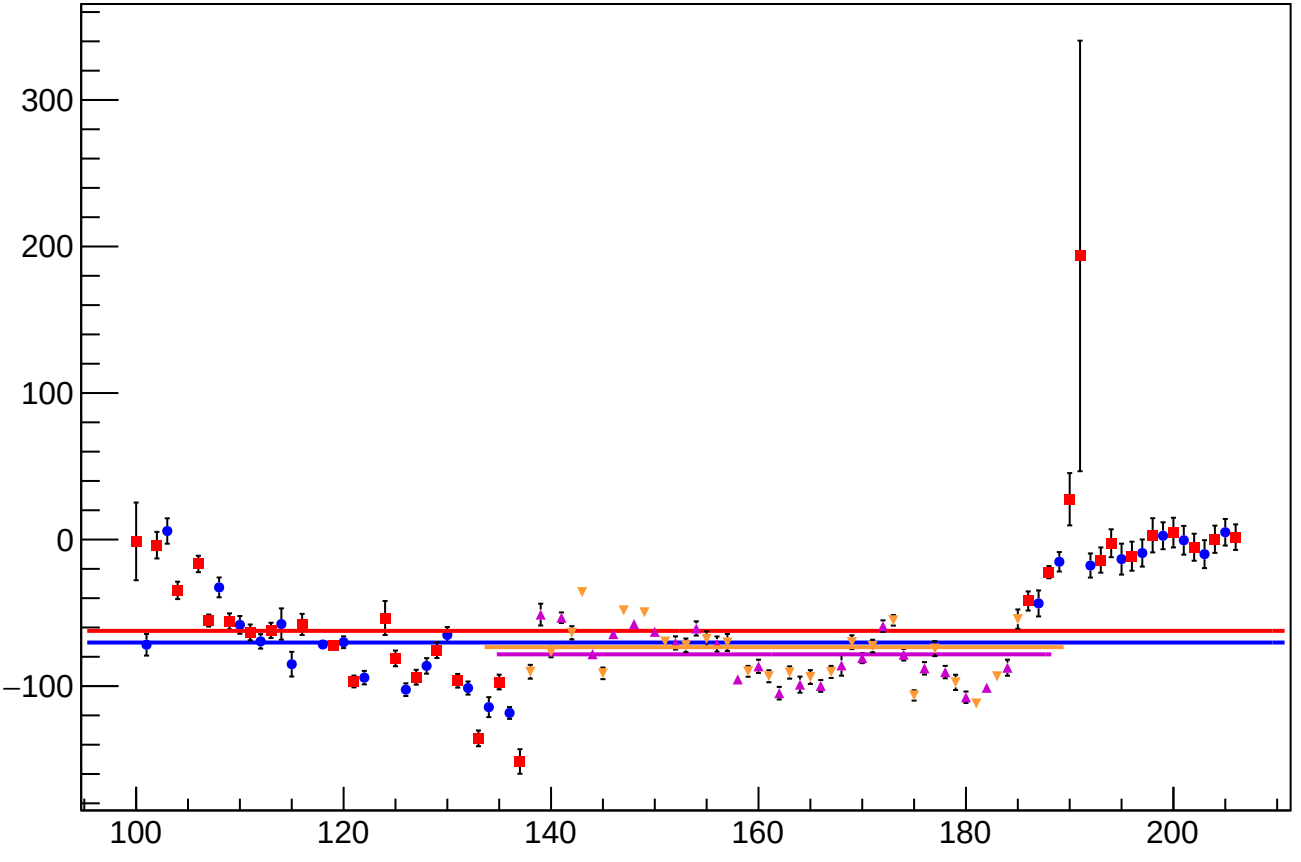
Right: -233.174+/-0.636 χ^2/NDF: 9303.8/55

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

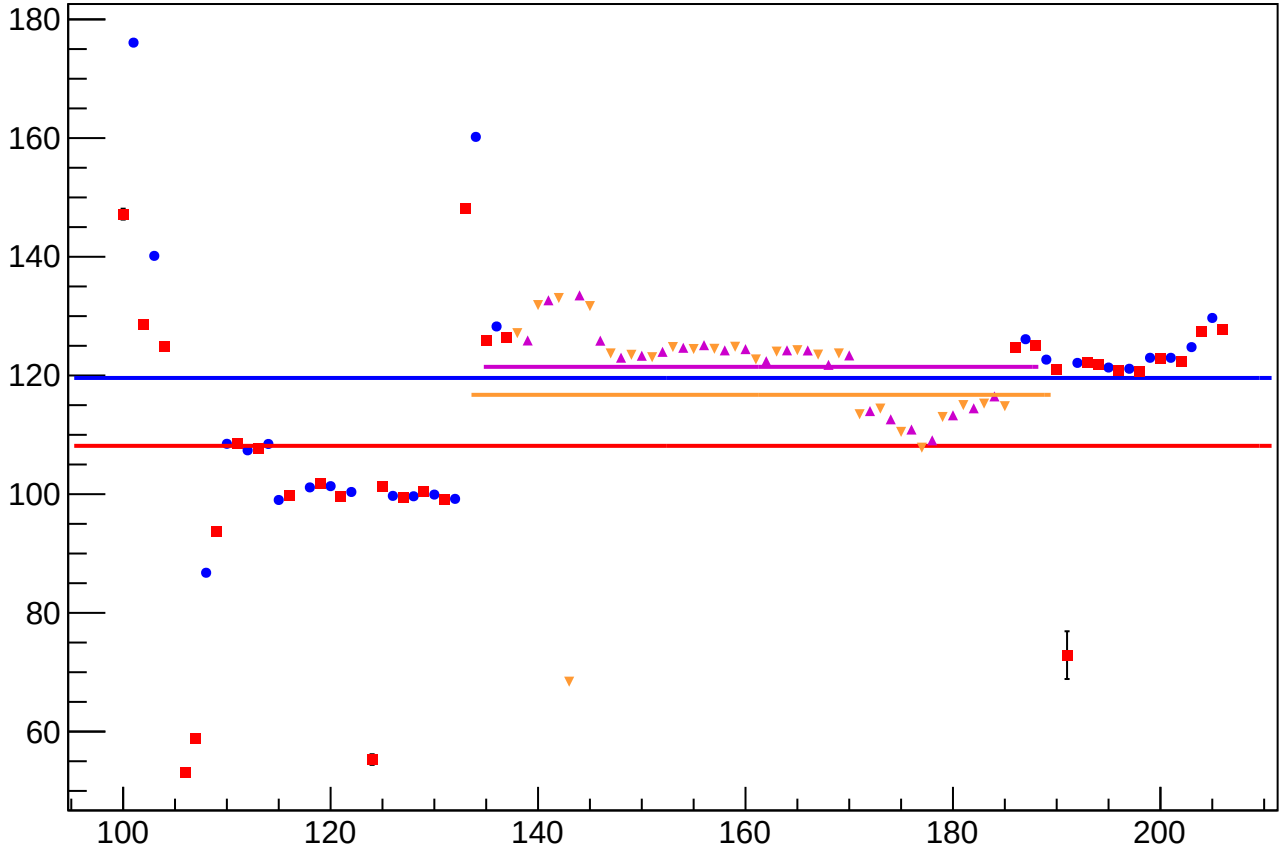
Right: -65.996+/-0.802 χ^2/NDF: 2002.5/55

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

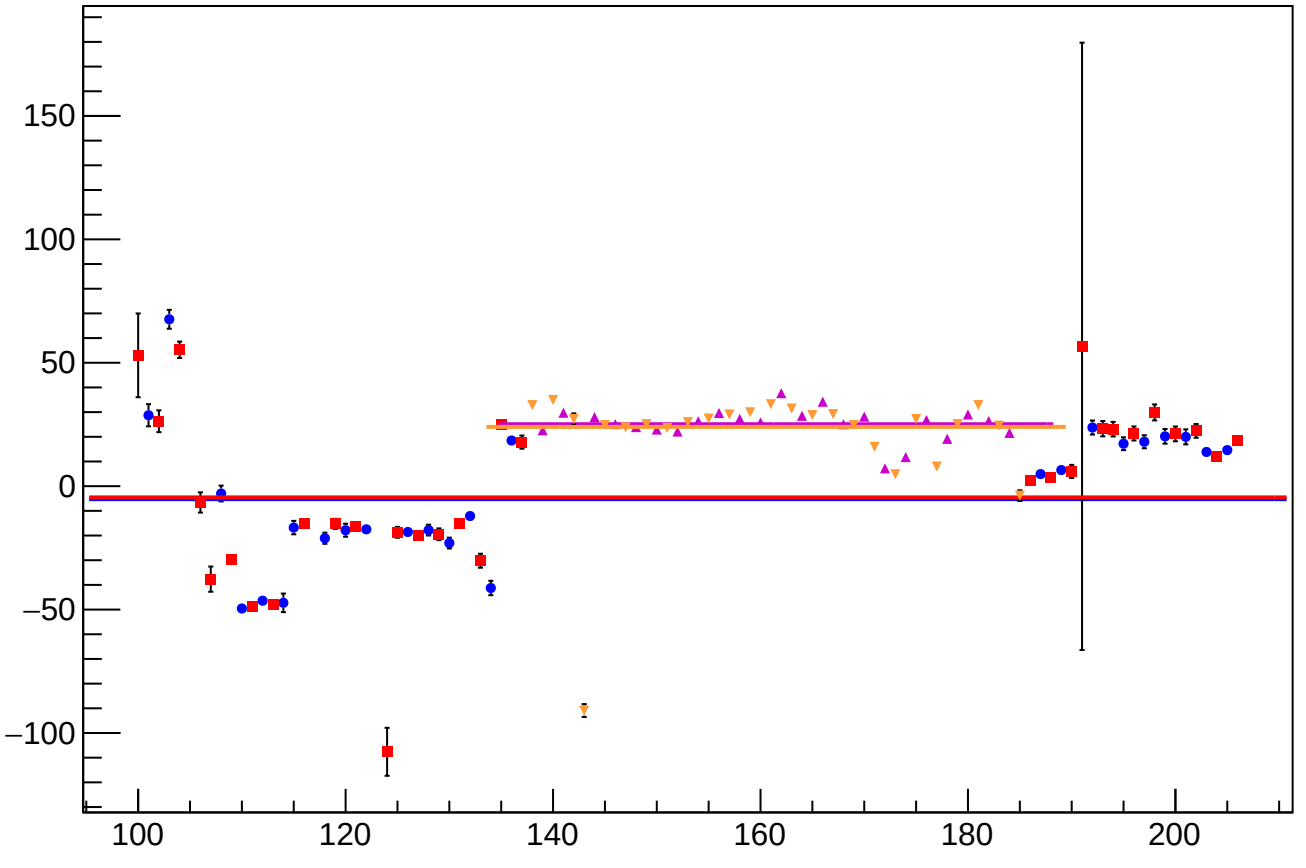
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.211+/-0.042 χ^2/NDF: 323624.3/55

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

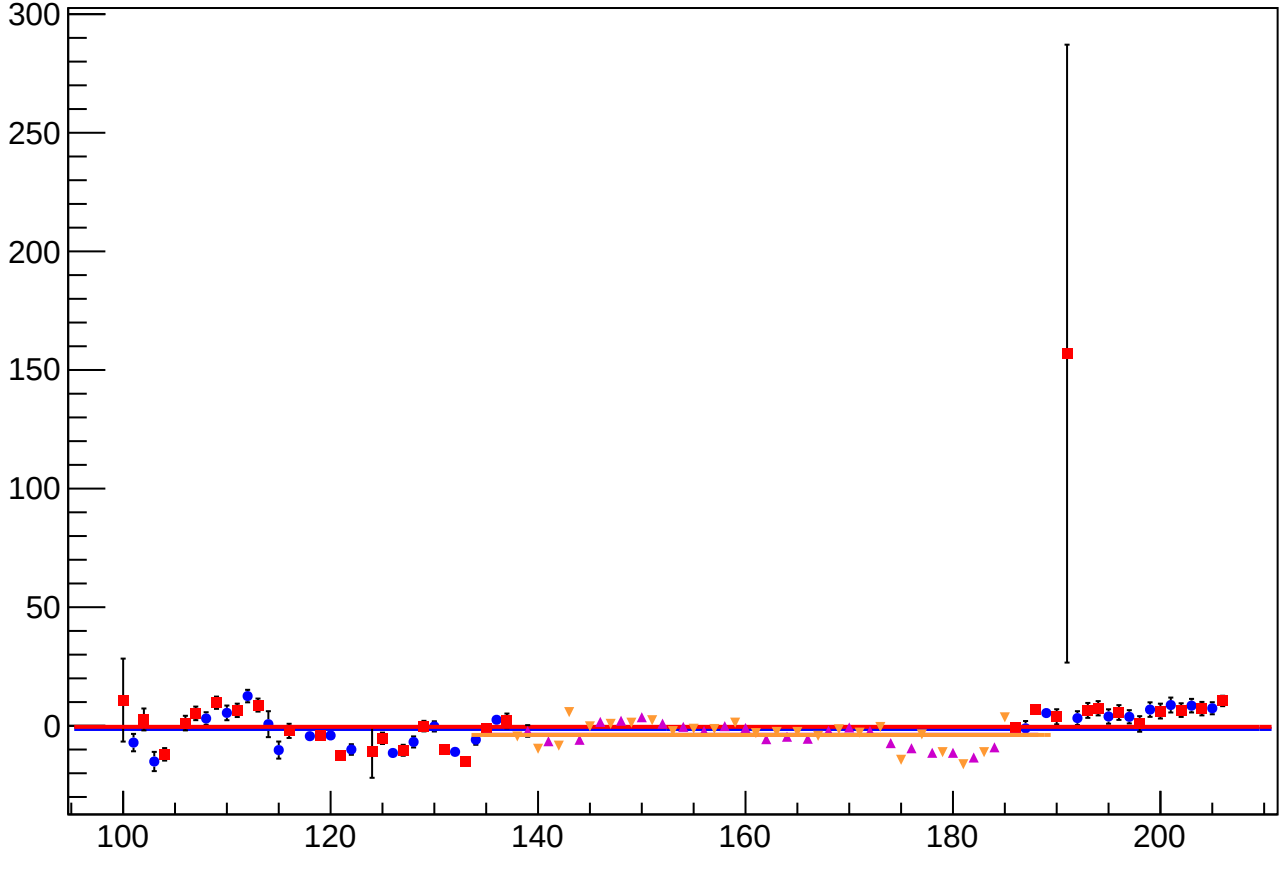
Right: -4.863+/-0.289 χ^2/NDF: 6917.3/55

In: 15.855+/-0.240 χ^2/NDF:7095.3/47

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.944+/-0.165 χ^2/NDF: 17196.8/103

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

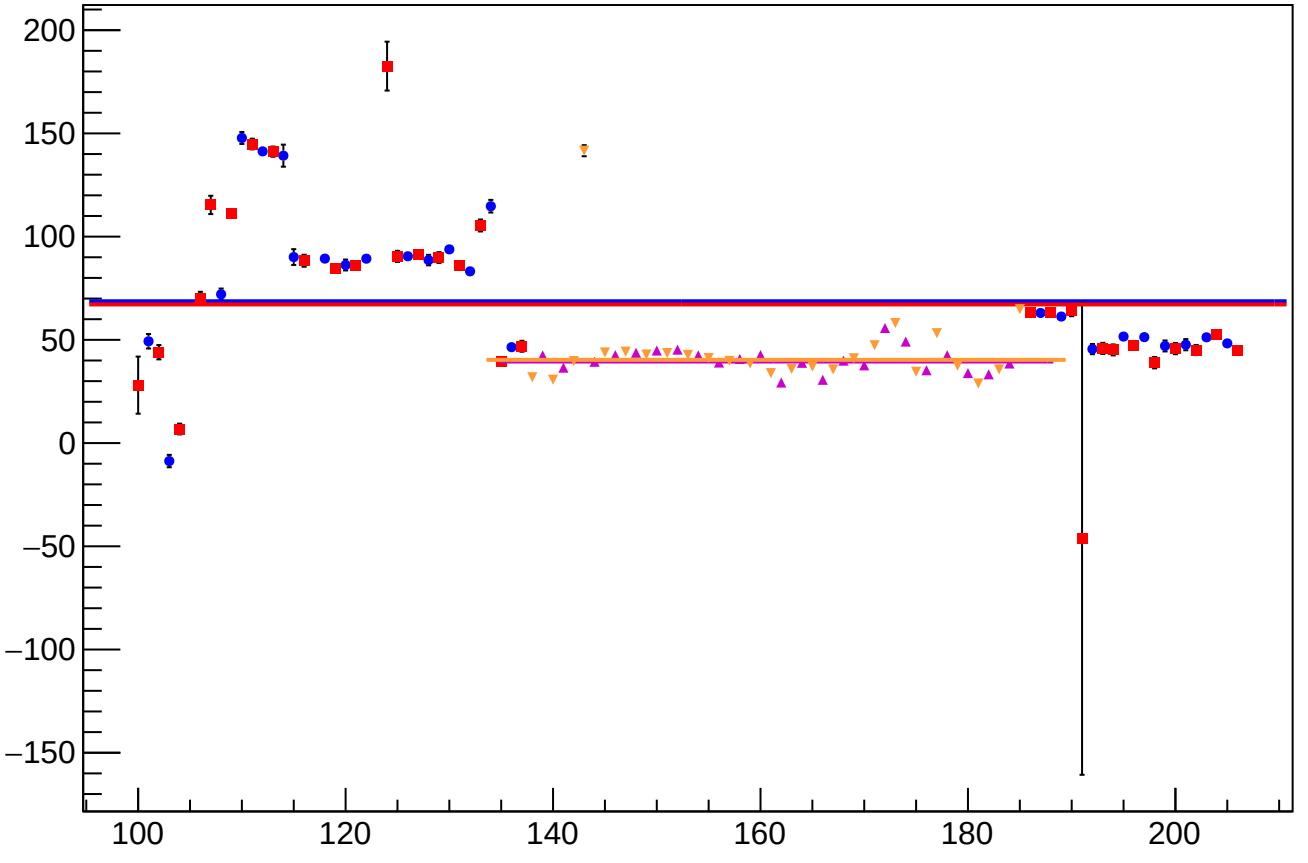
Right: -0.850+/-0.324 χ^2/NDF: 486.2/55

In: -3.334+/-0.202 χ^2/NDF:733.5/47

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.256+/-0.141 χ^2/NDF: 1713.2/103

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

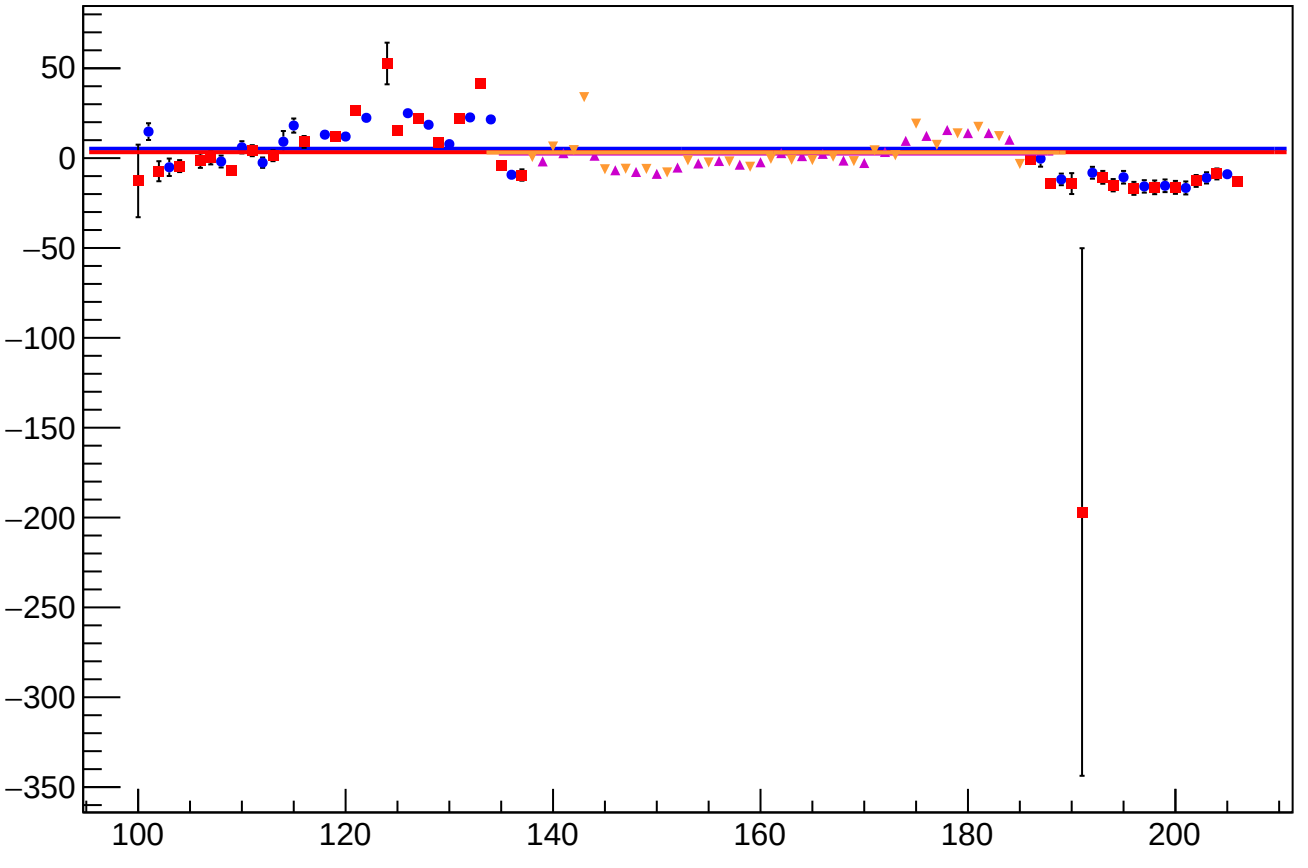
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 67.804+/-0.291 χ^2/NDF: 9013.7/55

In: 47.899+/-0.240 χ^2/NDF:7713.1/47

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.830+/-0.165 χ^2/NDF: 17866.5/103



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

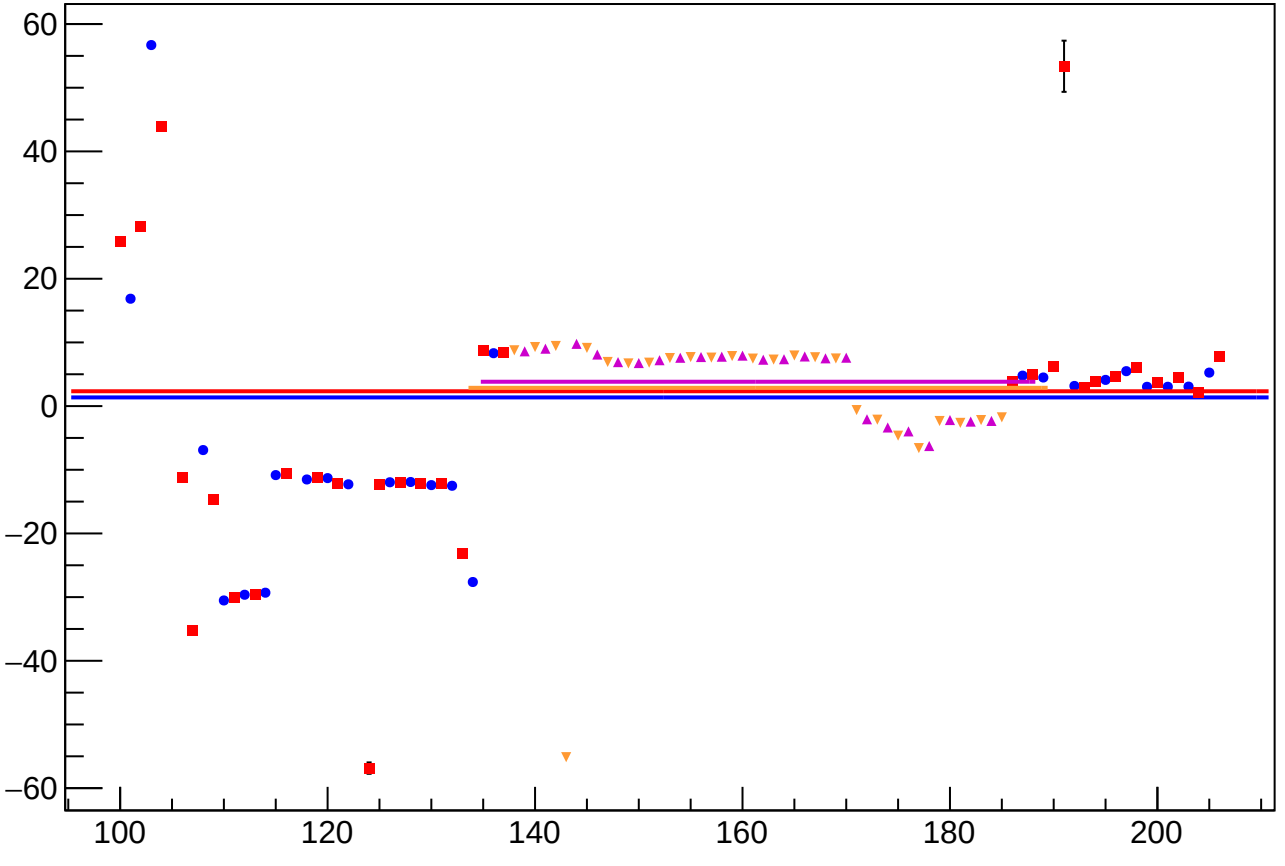
Right: 4.223+/-0.379 χ^2/NDF: 1553.7/55

In: 2.990+/-0.228 χ^2/NDF:1643.5/47

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.082+/-0.159 χ^2/NDF: 3803.0/103

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

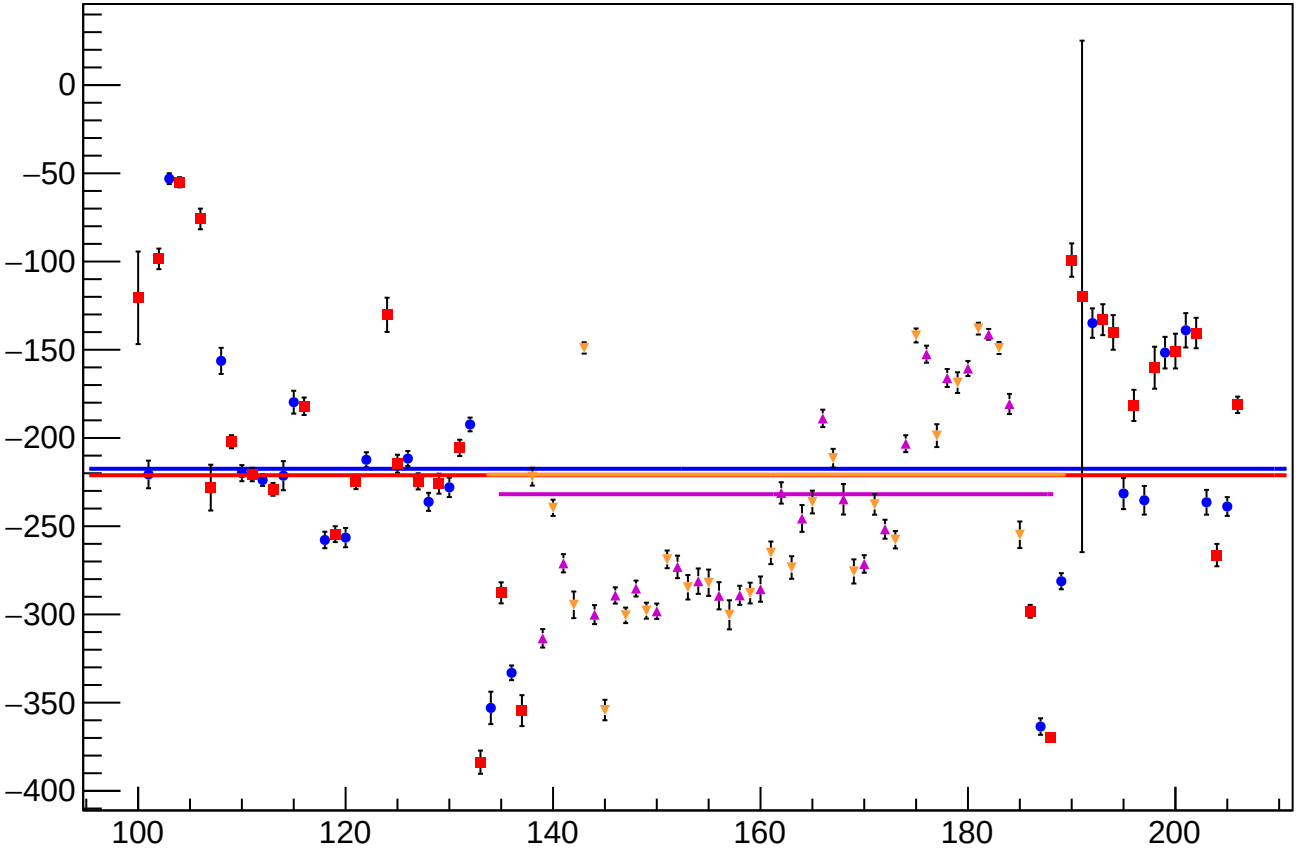
Right: 1.872+/-0.018 χ^2/NDF: 707013.8/55

In: 3.456+/-0.010 χ^2/NDF:616723.5/47

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.114+/-0.007 χ^2/NDF: 1461832.9/103

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -217.461+/-1.039 χ^2/NDF: 5571.4/24

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.108+/-0.921 χ^2/NDF: 10257.3/30

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

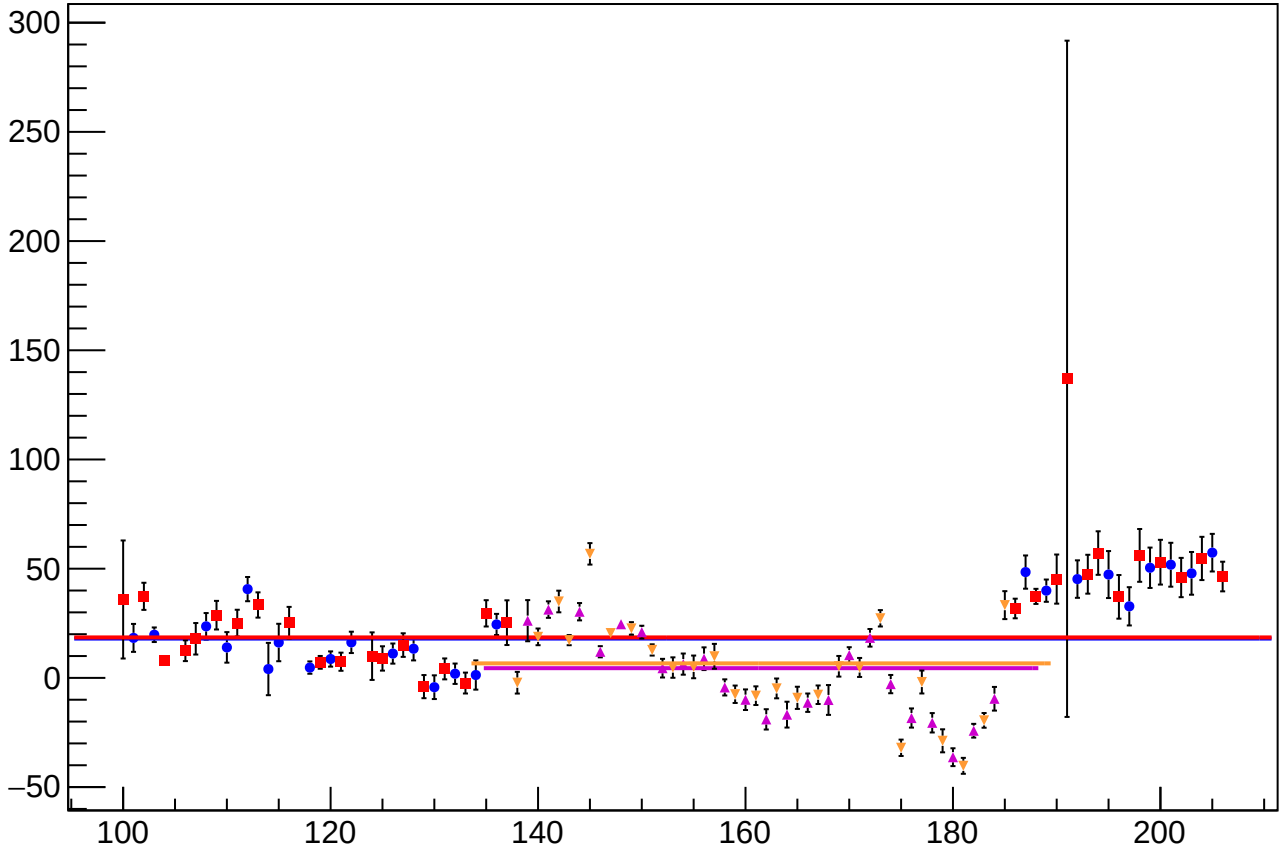
Right: -219.503+/-0.689 χ^2/NDF: 15835.6/55

In: -224.406+/-0.748 χ^2/NDF:8824.5/47

Out: -220.935+/-0.683 χ^2/NDF:14309.6/55

All: -222.514+/-0.504 χ^2/NDF: 23145.8/103

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.003+/-1.099 χ^2/NDF: 197.3/24

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 18.528+/-0.986 χ^2/NDF: 254.1/30

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

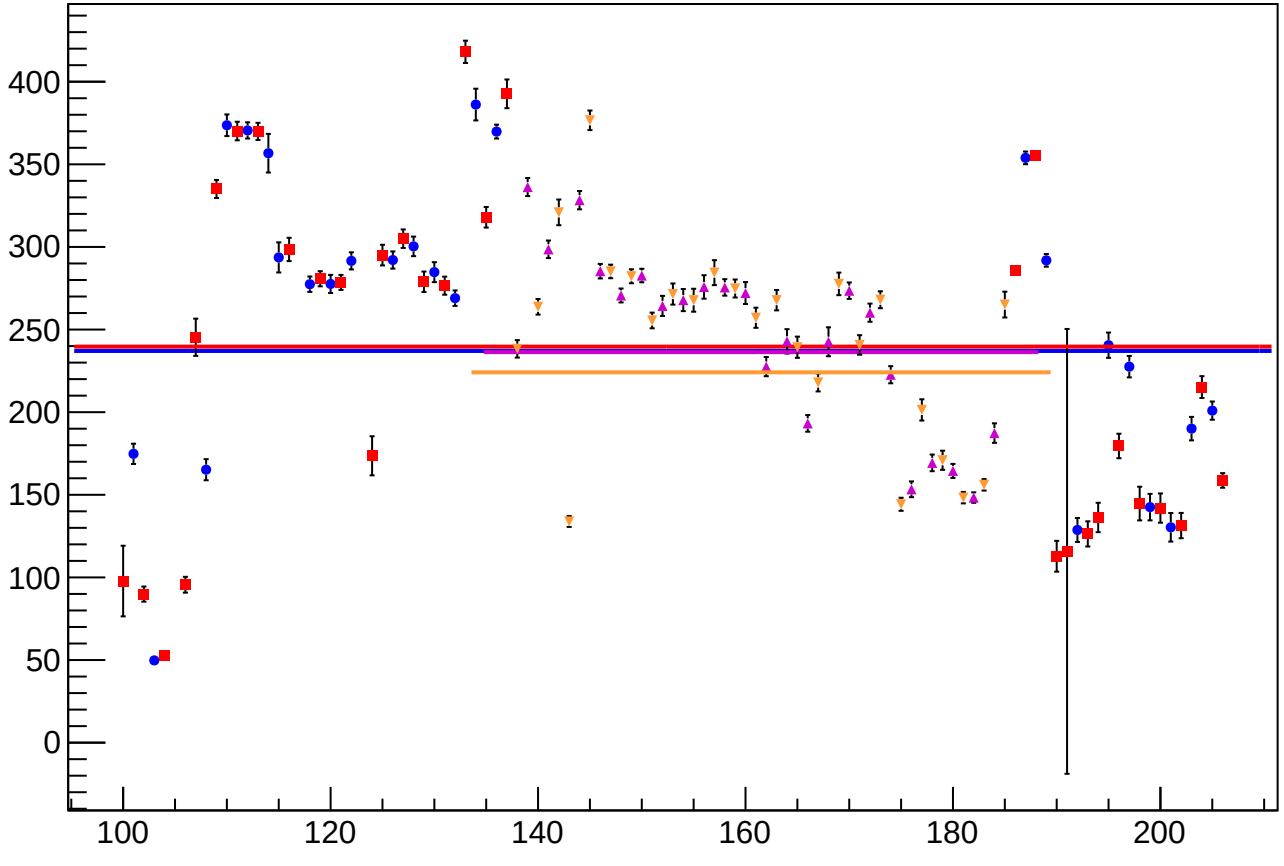
Right: 18.294+/-0.734 χ^2/NDF: 451.5/55

In: 9.195+/-0.651 χ^2/NDF:863.2/47

Out: 11.019+/-0.598 χ^2/NDF:1080.9/55

All: 10.184+/-0.440 χ^2/NDF: 1948.4/103

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 237.045+/-1.050 χ^2/NDF: 11136.2/24

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 239.679+/-0.898 χ^2/NDF: 16967.6/30

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

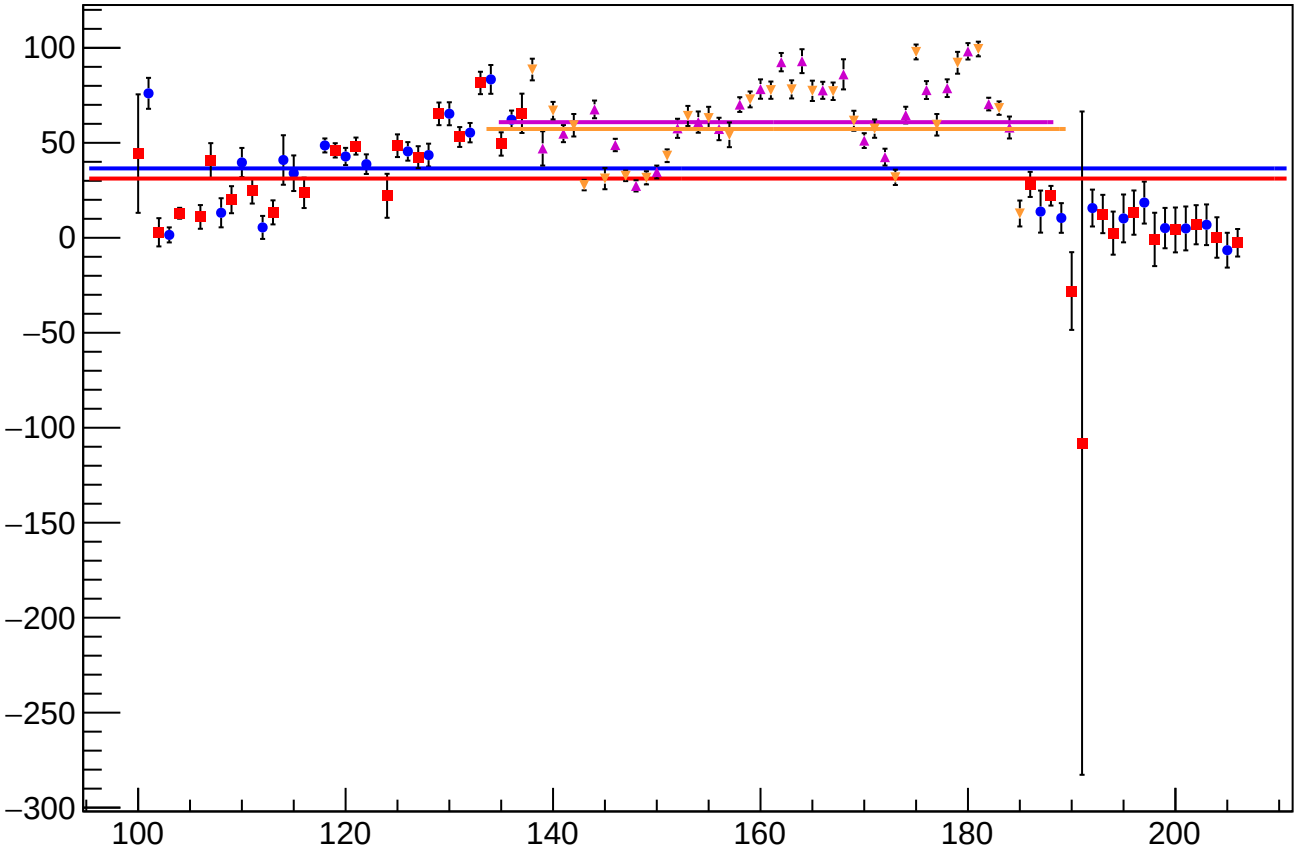
Right: 238.566+/-0.682 χ^2/NDF: 28107.5/55

In: 236.699+/-0.748 χ^2/NDF:14129.4/47

Out: 232.840+/-0.672 χ^2/NDF:21066.2/55

All: 234.563+/-0.500 χ^2/NDF: 35210.4/103

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 36.528+/-1.292 χ^2/NDF: 330.3/24

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 31.190+/-1.184 χ^2/NDF: 335.7/30

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

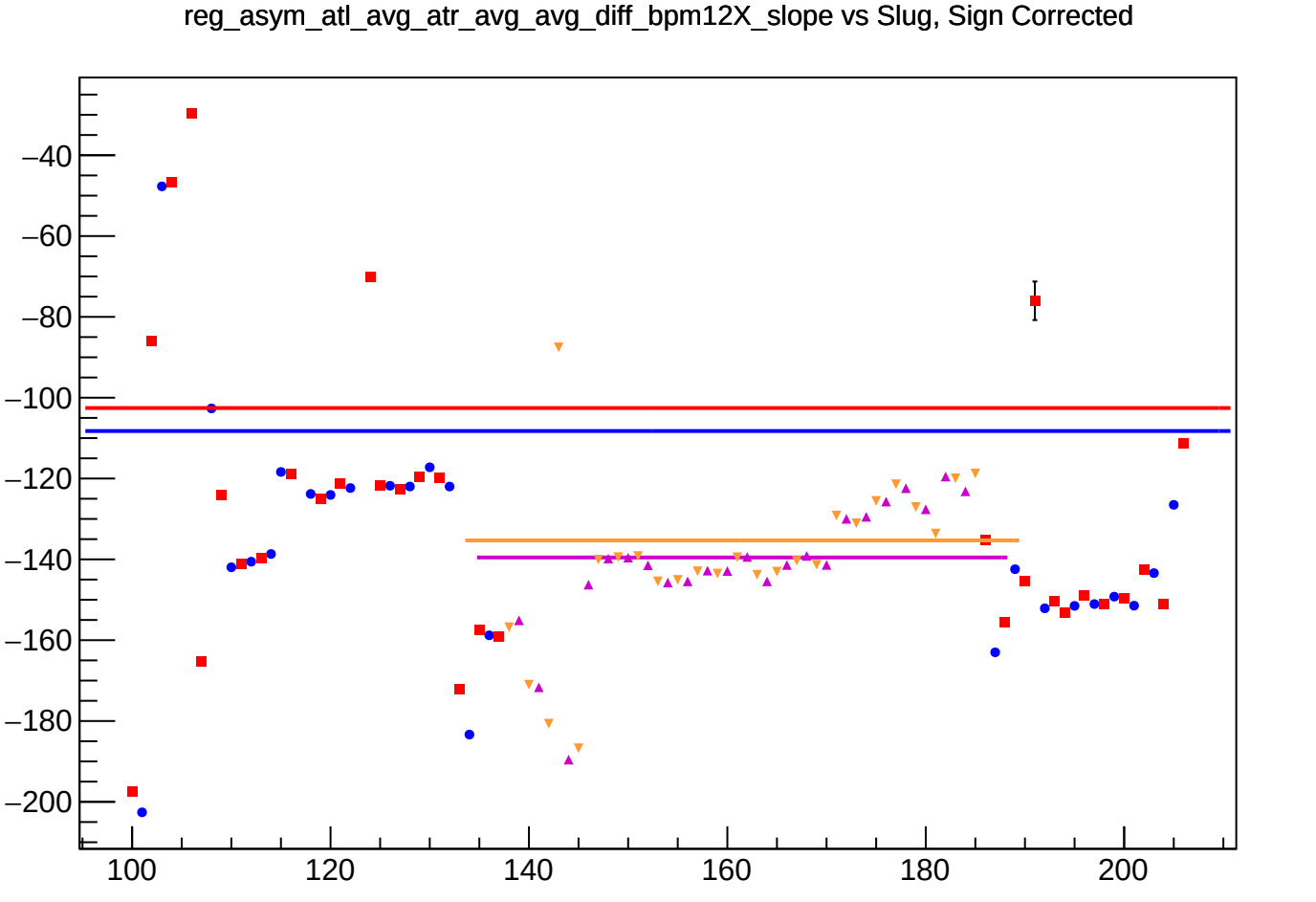
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 33.625+/-0.873 χ^2/NDF: 675.2/55

In: 52.658+/-0.751 χ^2/NDF:1020.1/47

Out: 48.162+/-0.700 χ^2/NDF:1419.6/55

All: 50.253+/-0.512 χ^2/NDF: 2459.0/103



Right In: -108.245+/-0.060 χ^2/NDF: 662201.2/24

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -102.553+/-0.056 χ^2/NDF: 719498.2/30

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

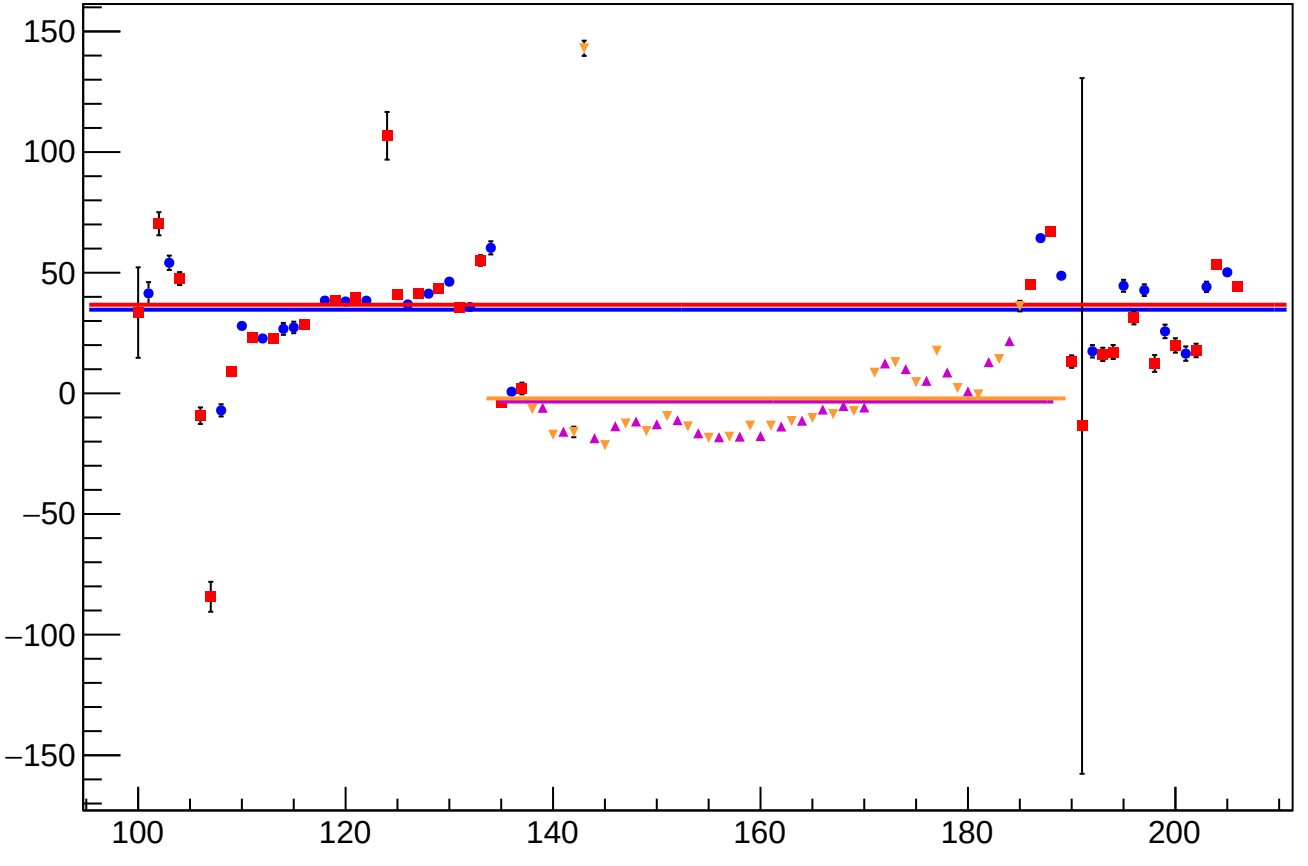
Right: -105.207+/-0.041 χ^2/NDF: 1386446.5/55

In: -129.288+/-0.035 χ^2/NDF:957454.1/47

Out: -124.139+/-0.033 χ^2/NDF:1204497.5/55

All: -126.592+/-0.024 χ^2/NDF: 2173589.0/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

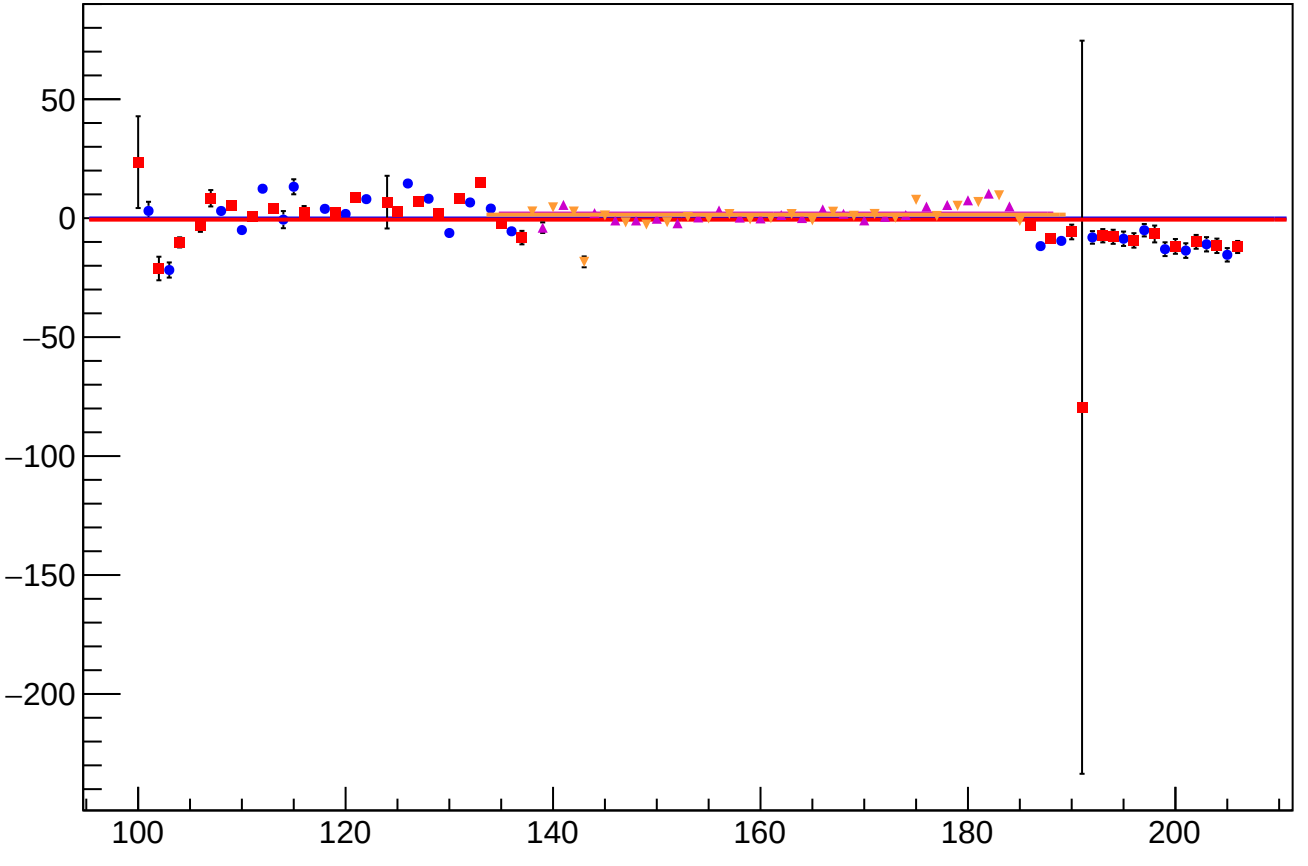
Right: 35.855+/-0.232 χ^2/NDF: 7104.3/55

In: 10.707+/-0.215 χ^2/NDF:11420.1/47

Out: 14.593+/-0.201 χ^2/NDF:18015.2/55

All: 12.778+/-0.147 χ^2/NDF: 29609.0/103

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

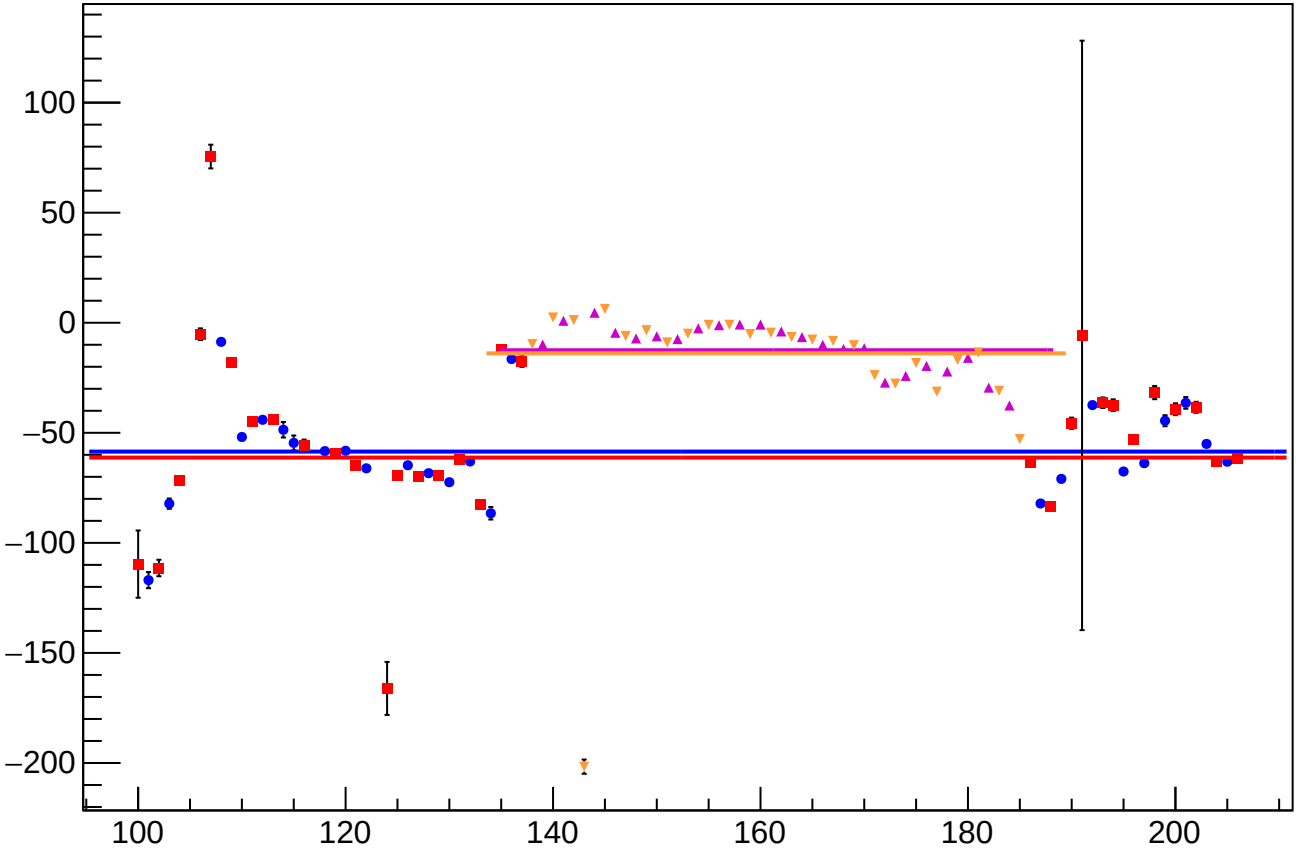
Right: -0.398+/-0.263 χ^2/NDF: 878.8/55

In: 1.462+/-0.185 χ^2/NDF:731.3/47

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.206+/-0.128 χ^2/NDF: 1498.9/103

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

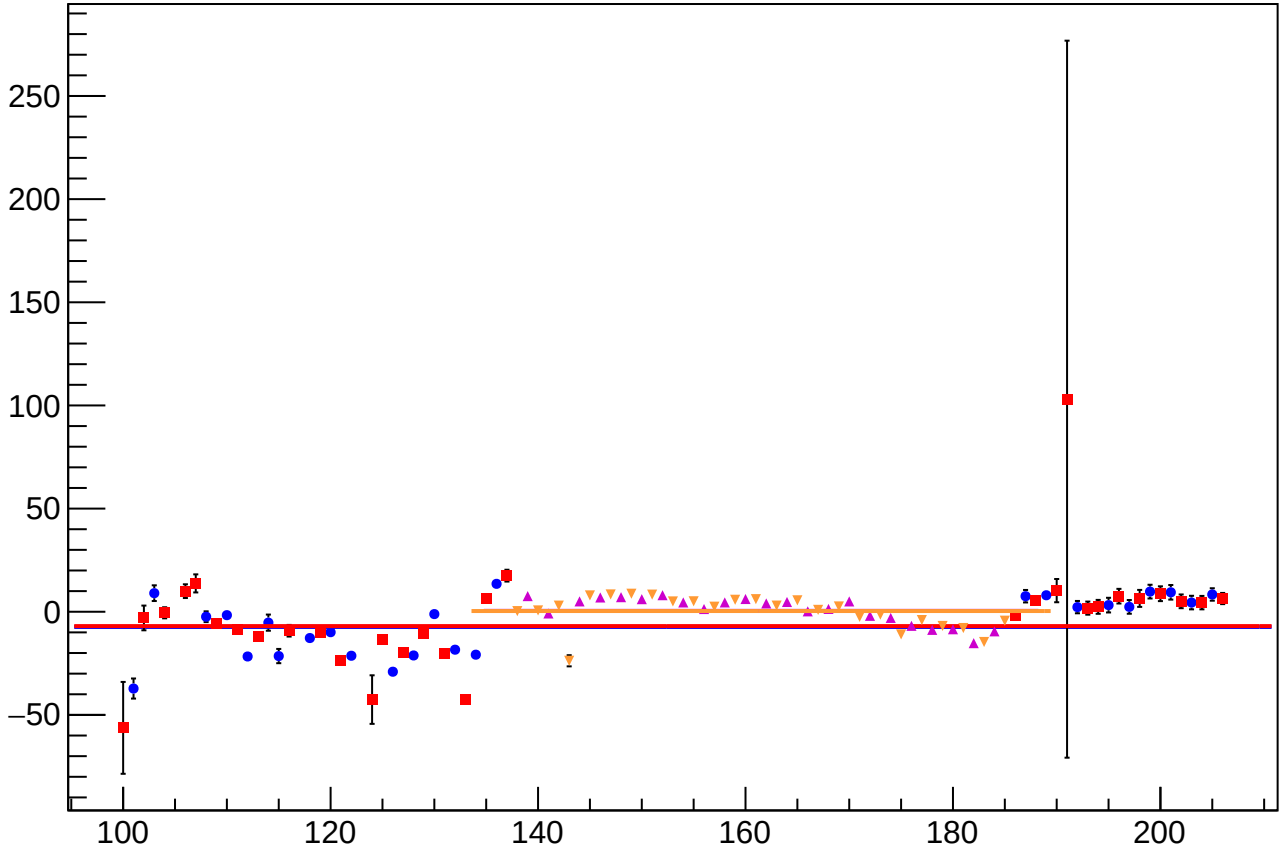
Right: -60.161+/-0.234 χ^2/NDF: 8830.5/55

In: -28.518+/-0.217 χ^2/NDF:14982.4/47

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -31.724+/-0.147 χ^2/NDF: 39845.0/103

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

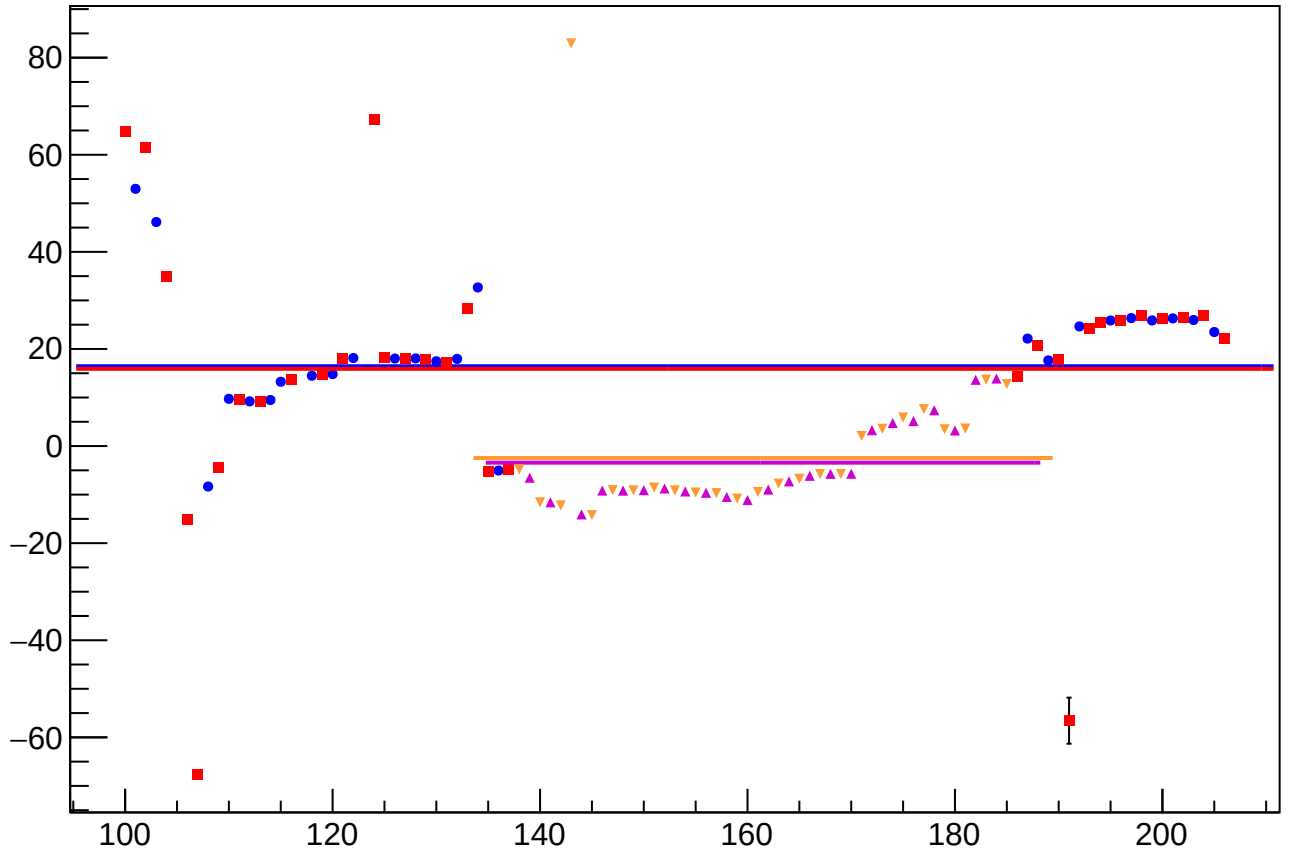
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.149+/-0.312 χ^2/NDF: 1833.7/55

In: -1.235+/-0.210 χ^2/NDF:1908.4/47

Out: -1.288+/-0.204 χ^2/NDF:2083.9/55

All: -1.262+/-0.146 χ^2/NDF: 3992.3/103



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

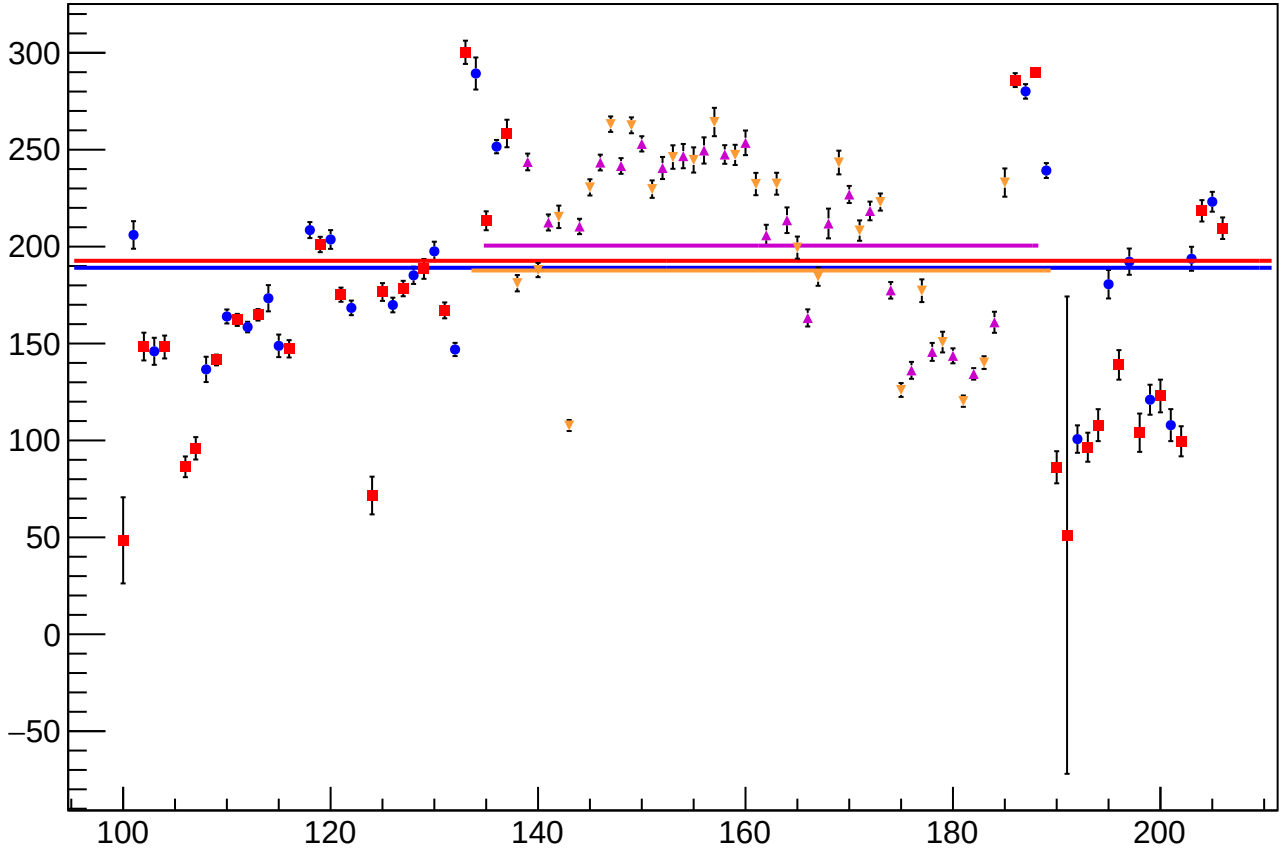
Right: 16.163+/-0.016 χ^2/NDF: 988305.7/55

In: -0.108+/-0.010 χ^2/NDF:1580307.3/47

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.337+/-0.007 χ^2/NDF: 3655994.8/103

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

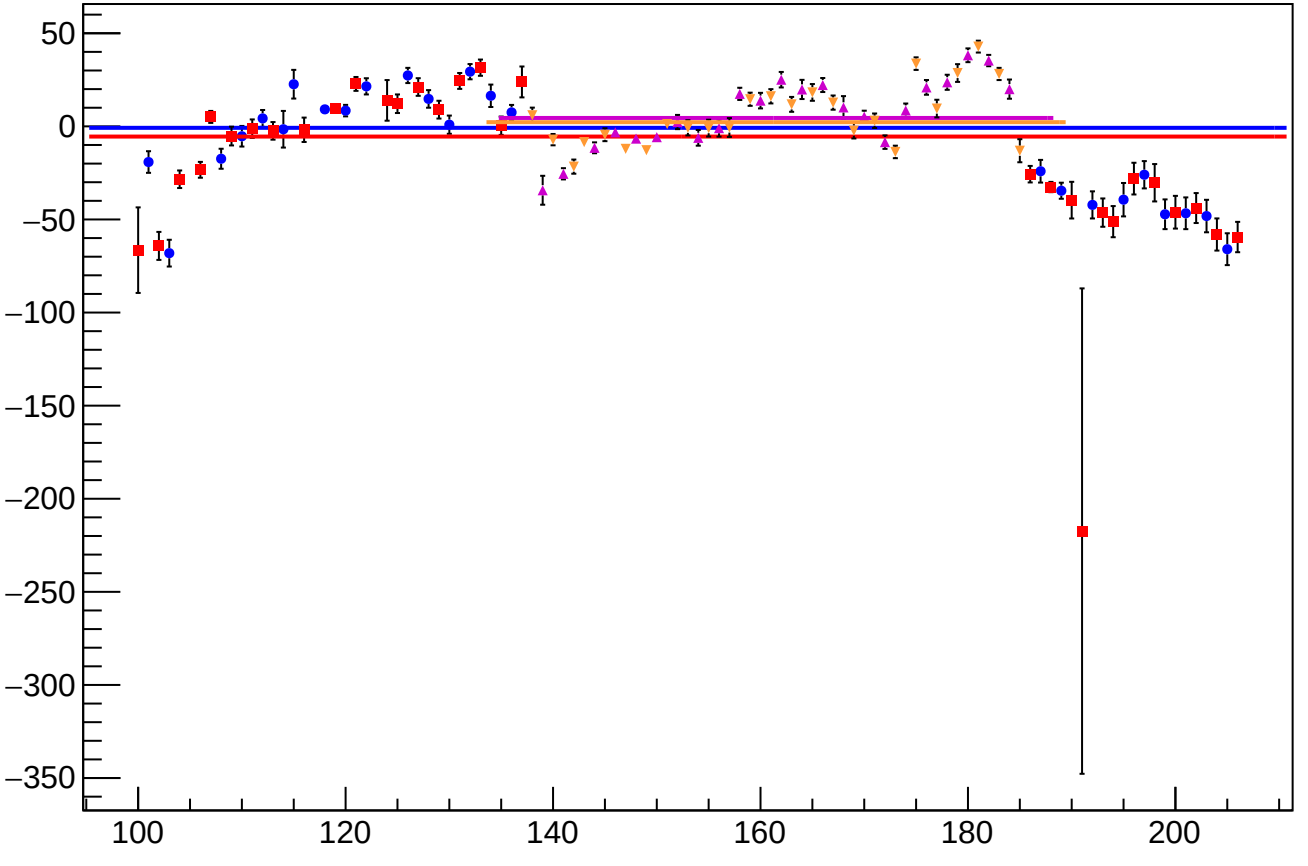
Right: 191.110+/-0.620 χ^2/NDF: 8202.2/55

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

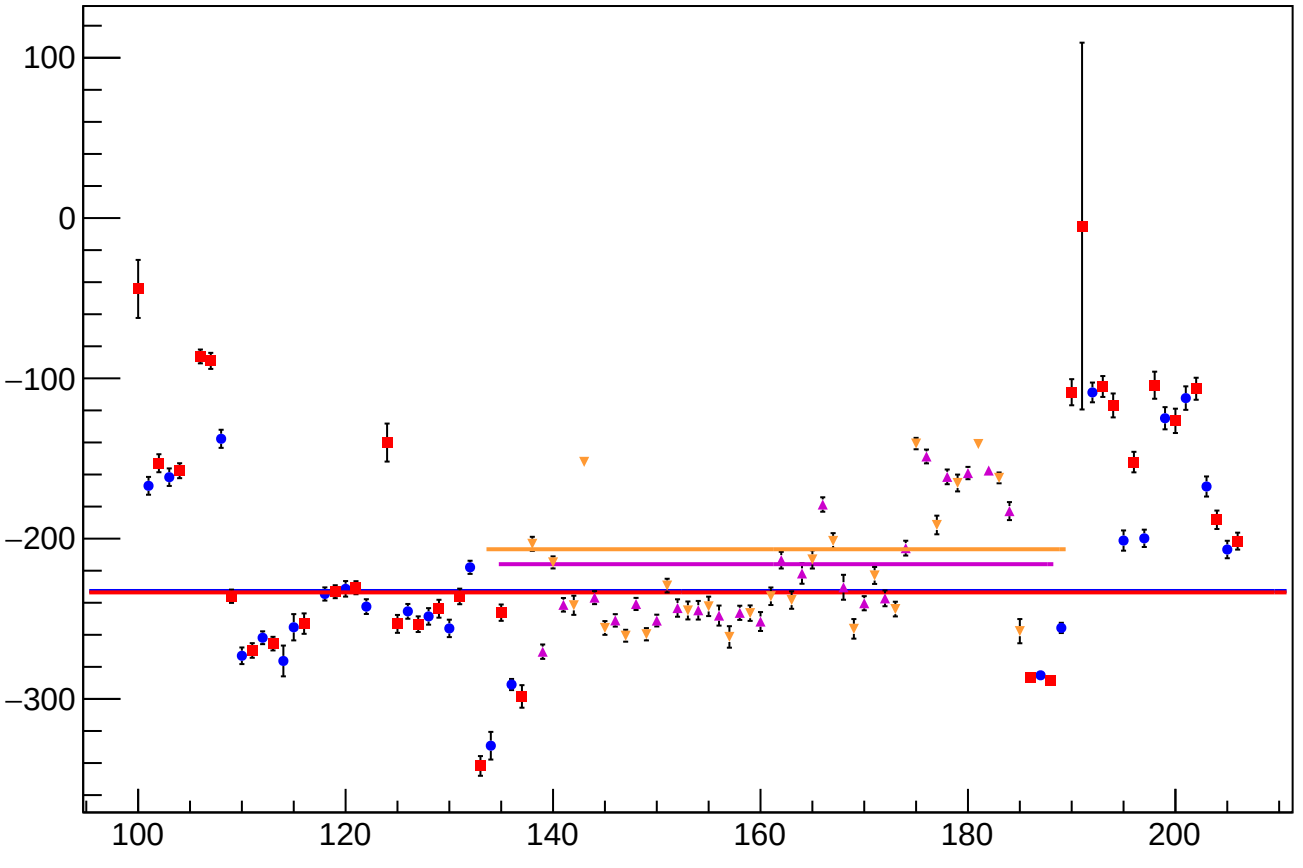
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.347+/-0.677 χ^2/NDF: 1329.1/55

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

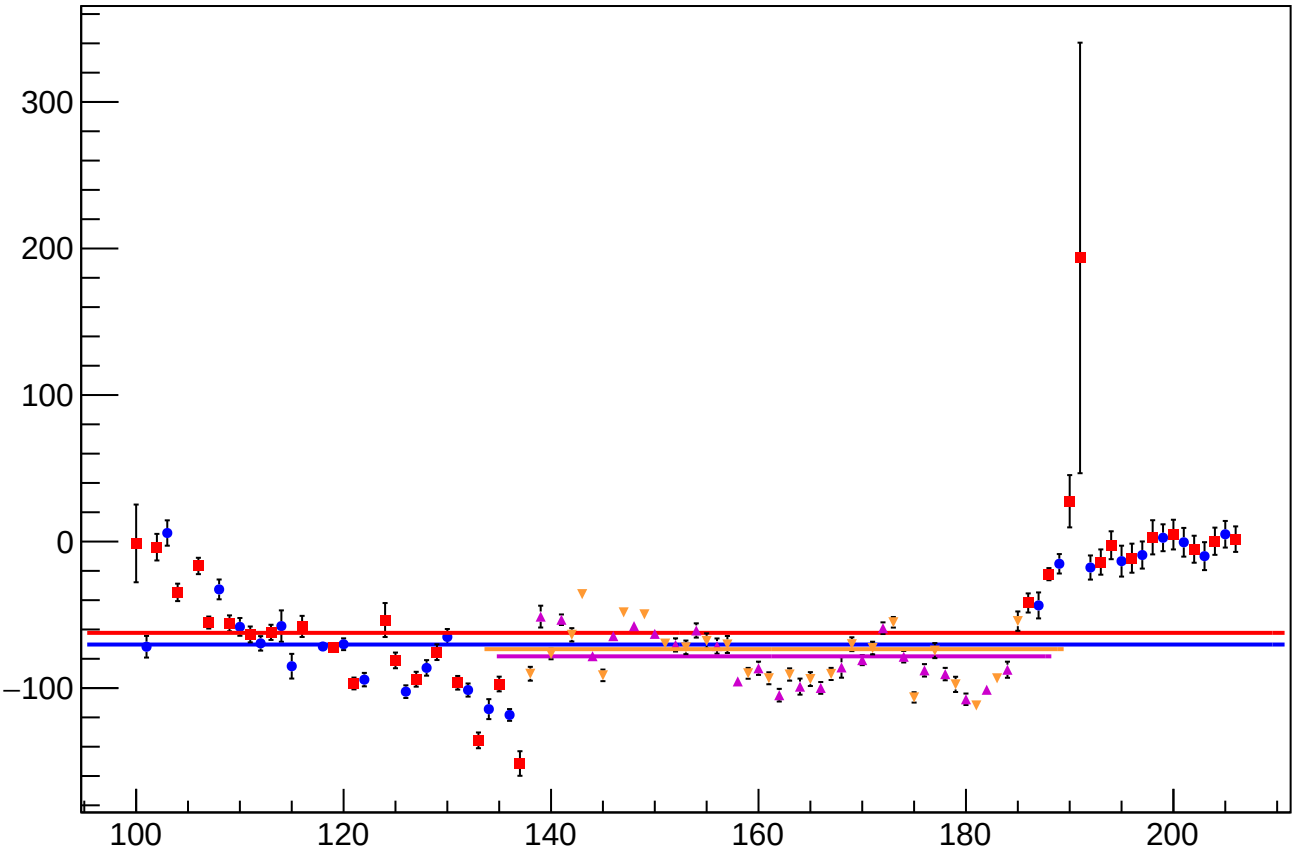
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -233.174+/-0.636 χ^2/NDF: 9303.8/55

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

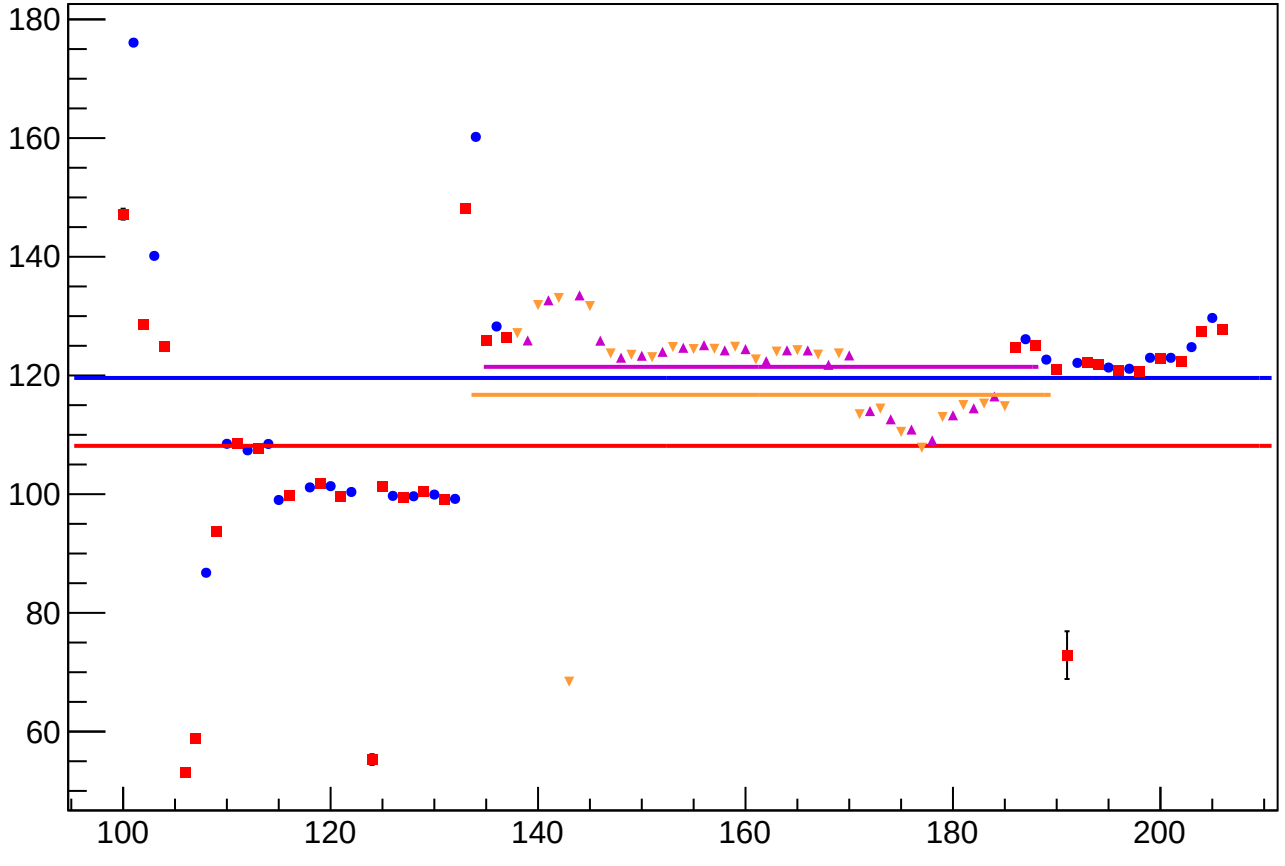
Right: -65.996+/-0.802 χ^2/NDF: 2002.5/55

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

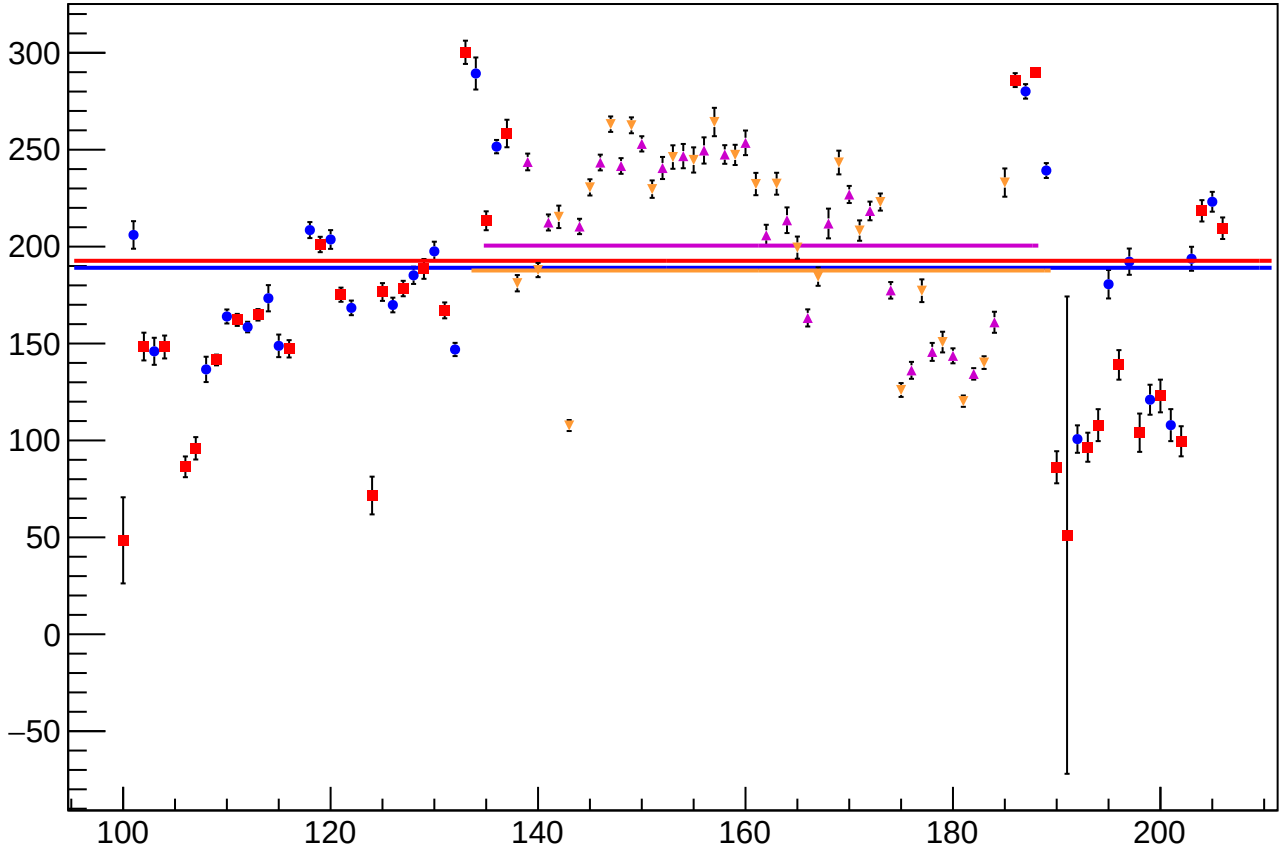
Right: 113.211+/-0.042 χ^2/NDF: 323624.3/55

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

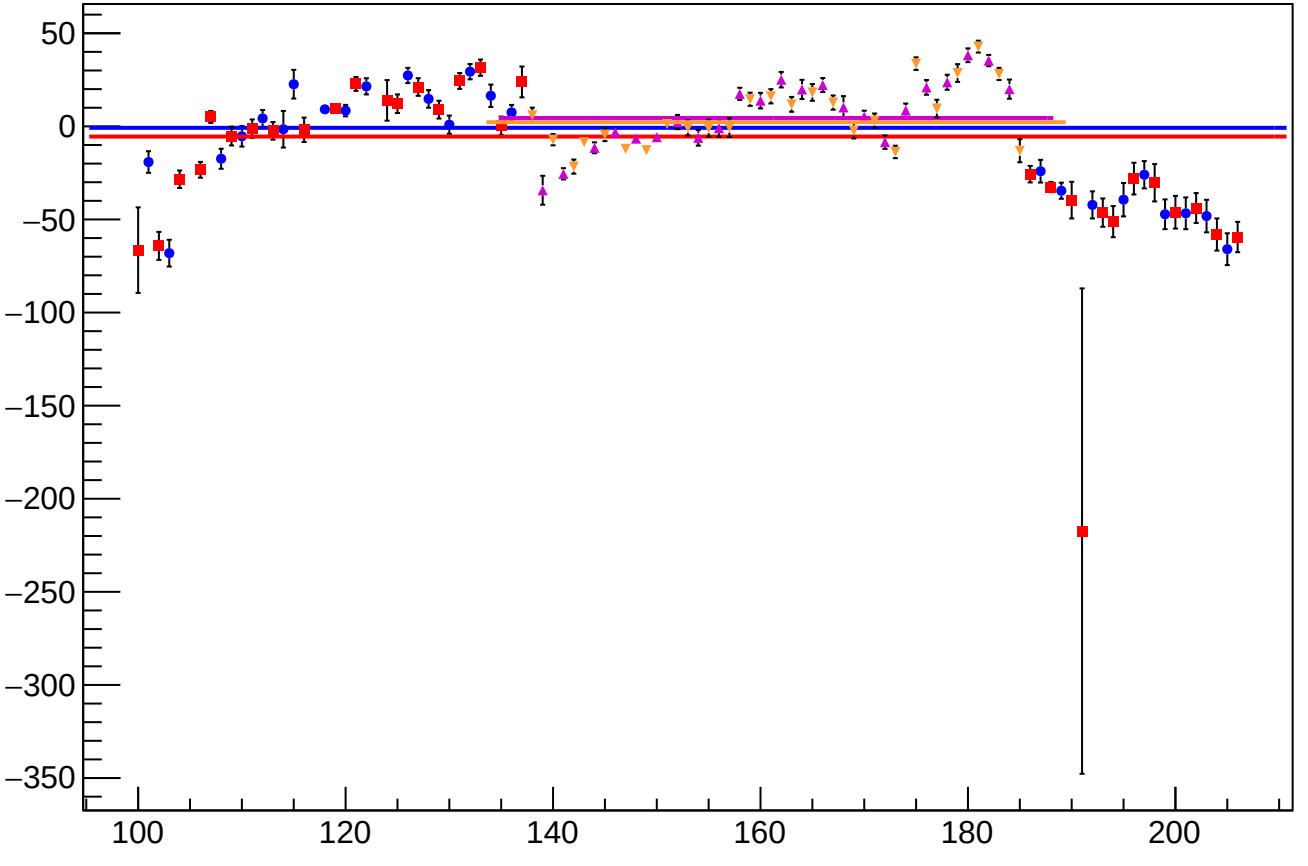
Right: 191.110+/-0.620 χ^2/NDF: 8202.2/55

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

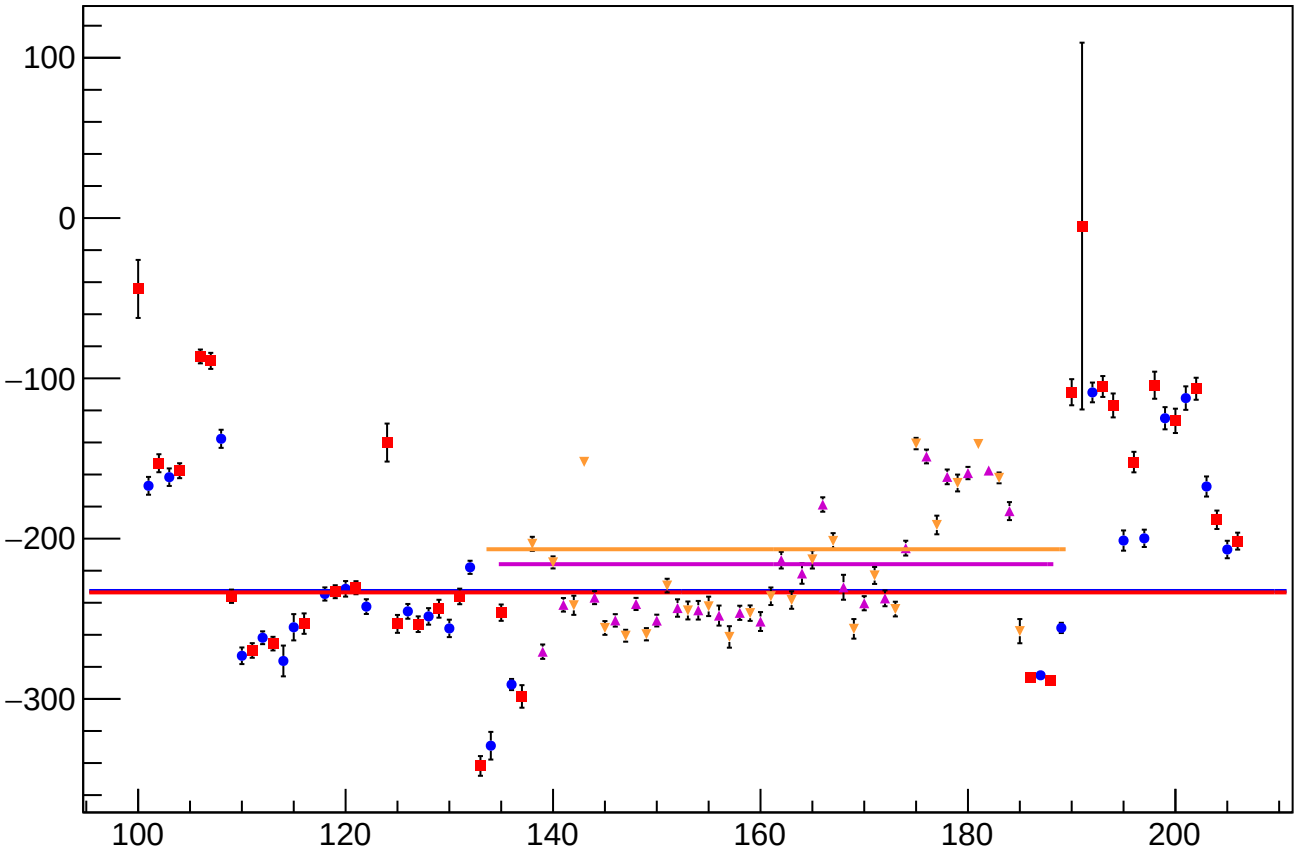
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.347+/-0.677 χ^2/NDF: 1329.1/55

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

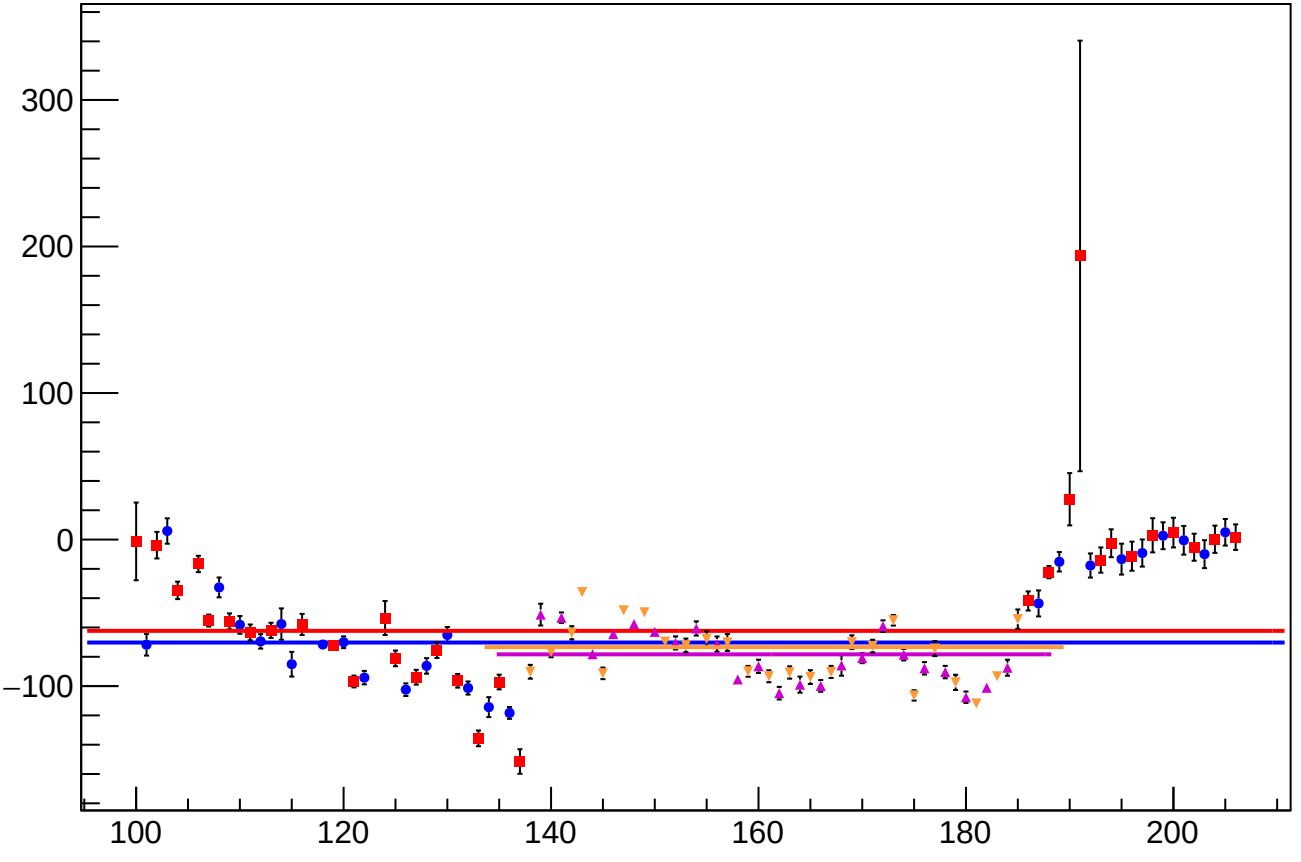
Right: -233.174+/-0.636 χ^2/NDF: 9303.8/55

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

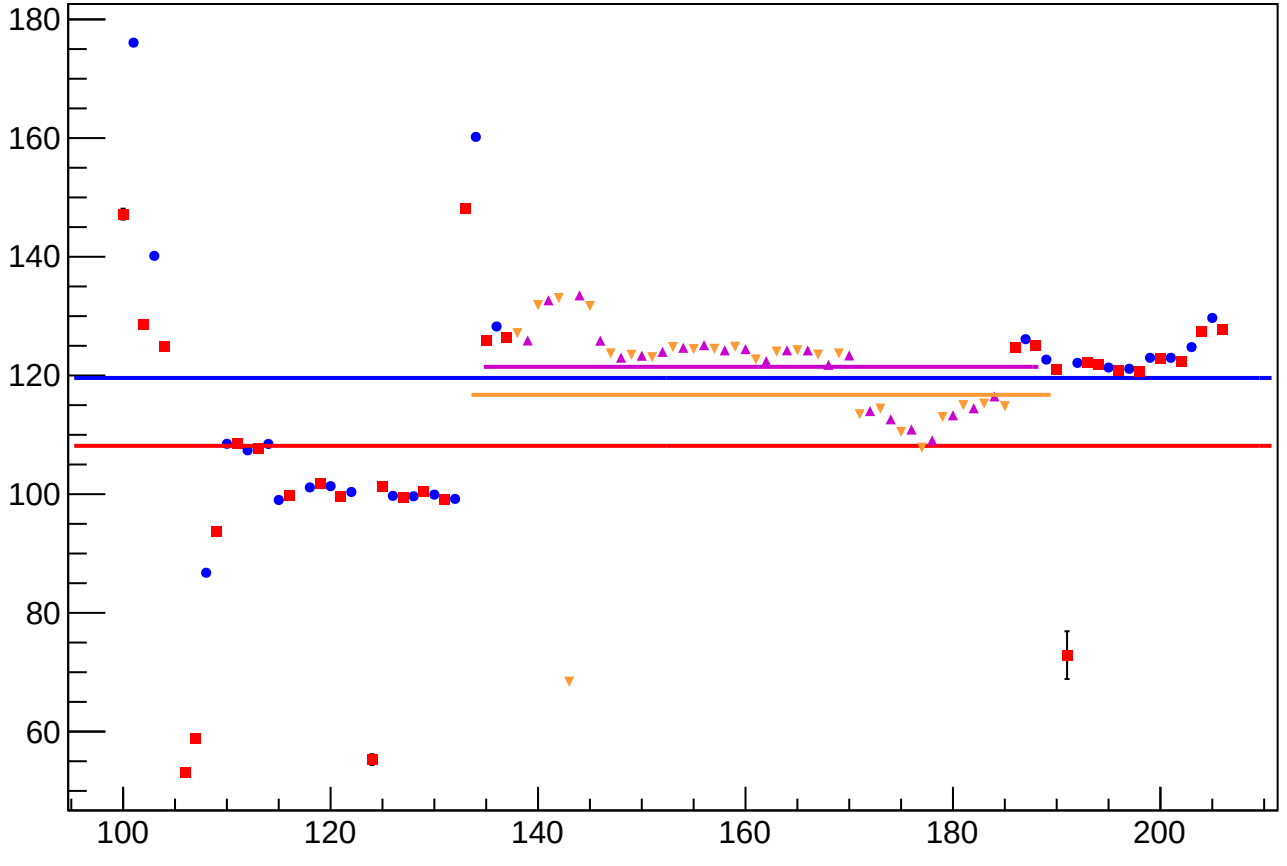
Right: -65.996+/-0.802 χ^2/NDF: 2002.5/55

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

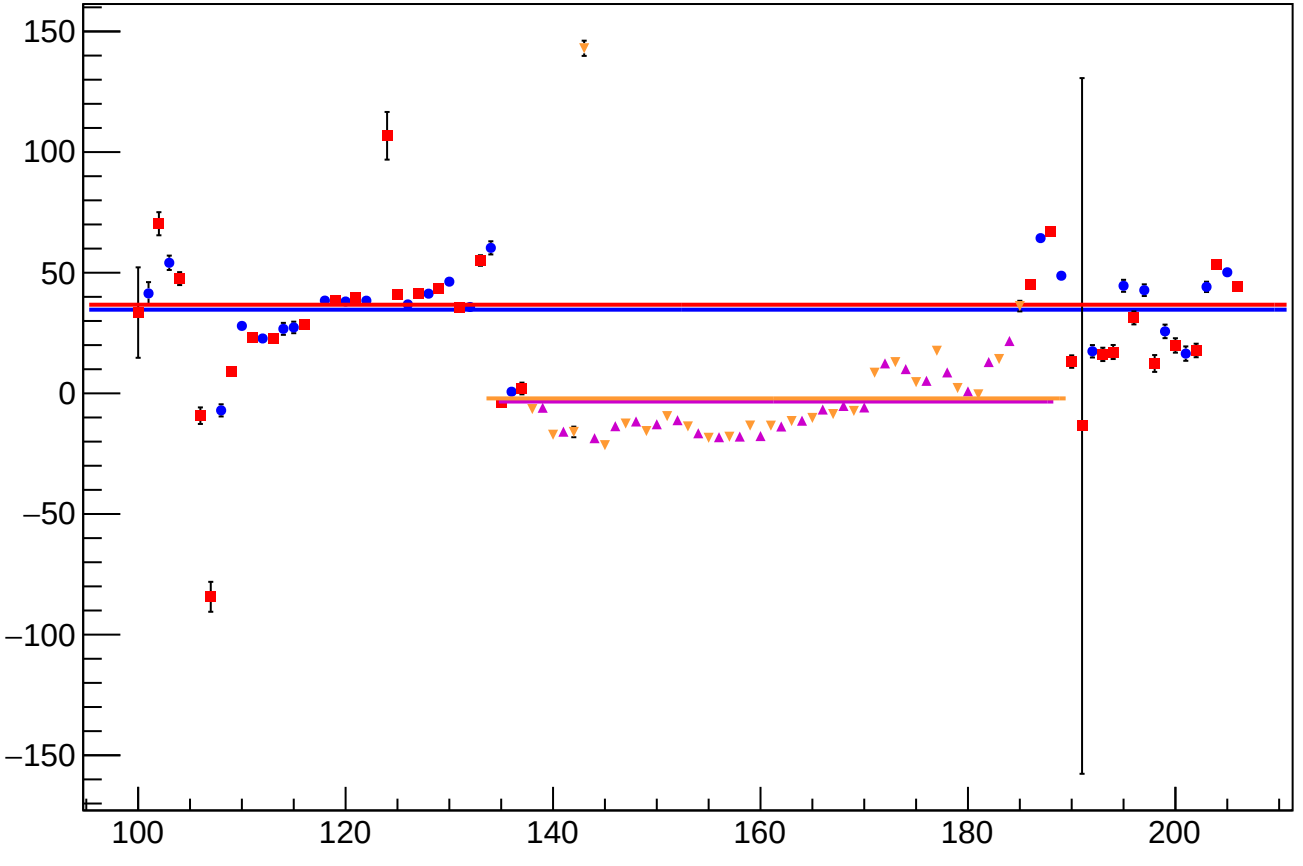
Right: 113.211+/-0.042 χ^2/NDF: 323624.3/55

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

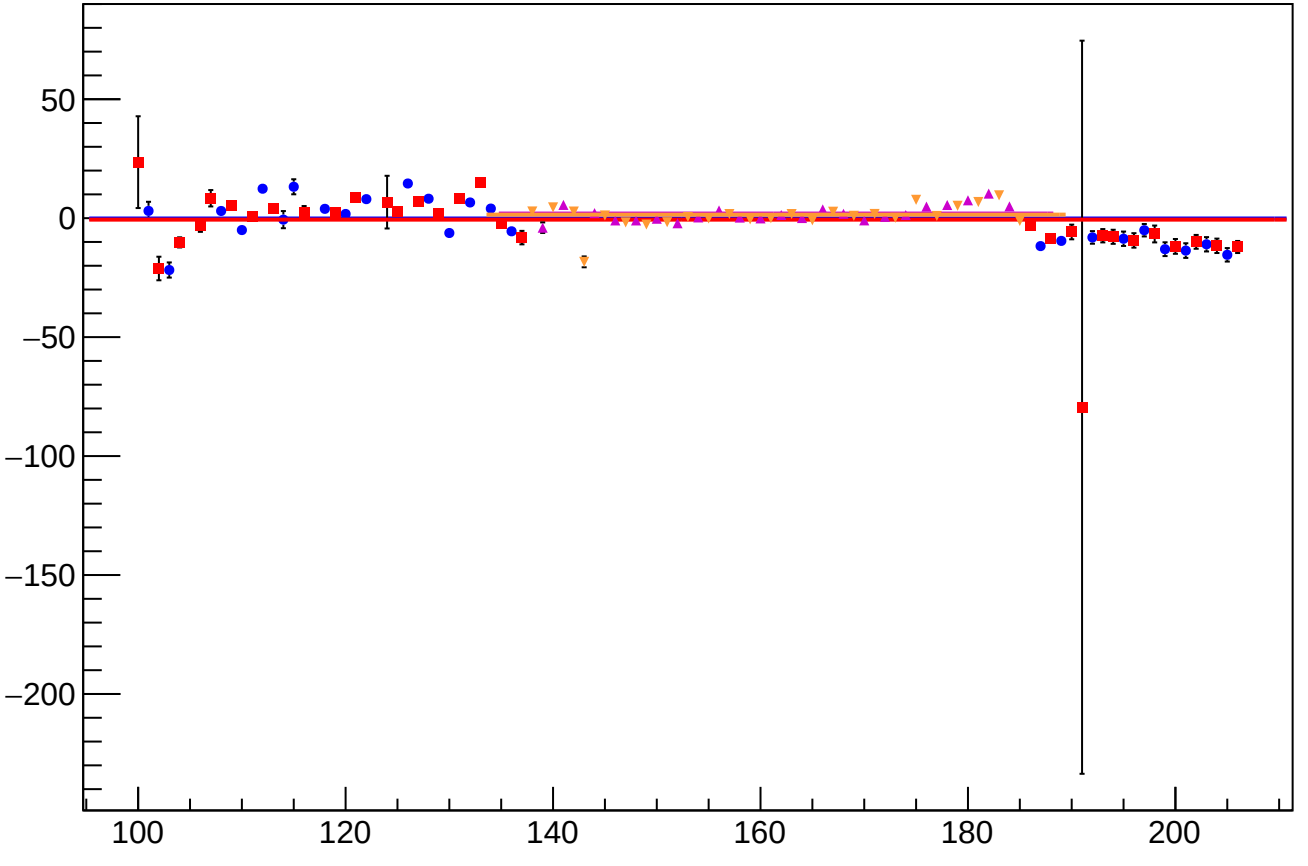
Right: 35.855+/-0.232 χ^2/NDF: 7104.3/55

In: 10.707+/-0.215 χ^2/NDF:11420.1/47

Out: 14.593+/-0.201 χ^2/NDF:18015.2/55

All: 12.778+/-0.147 χ^2/NDF: 29609.0/103

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

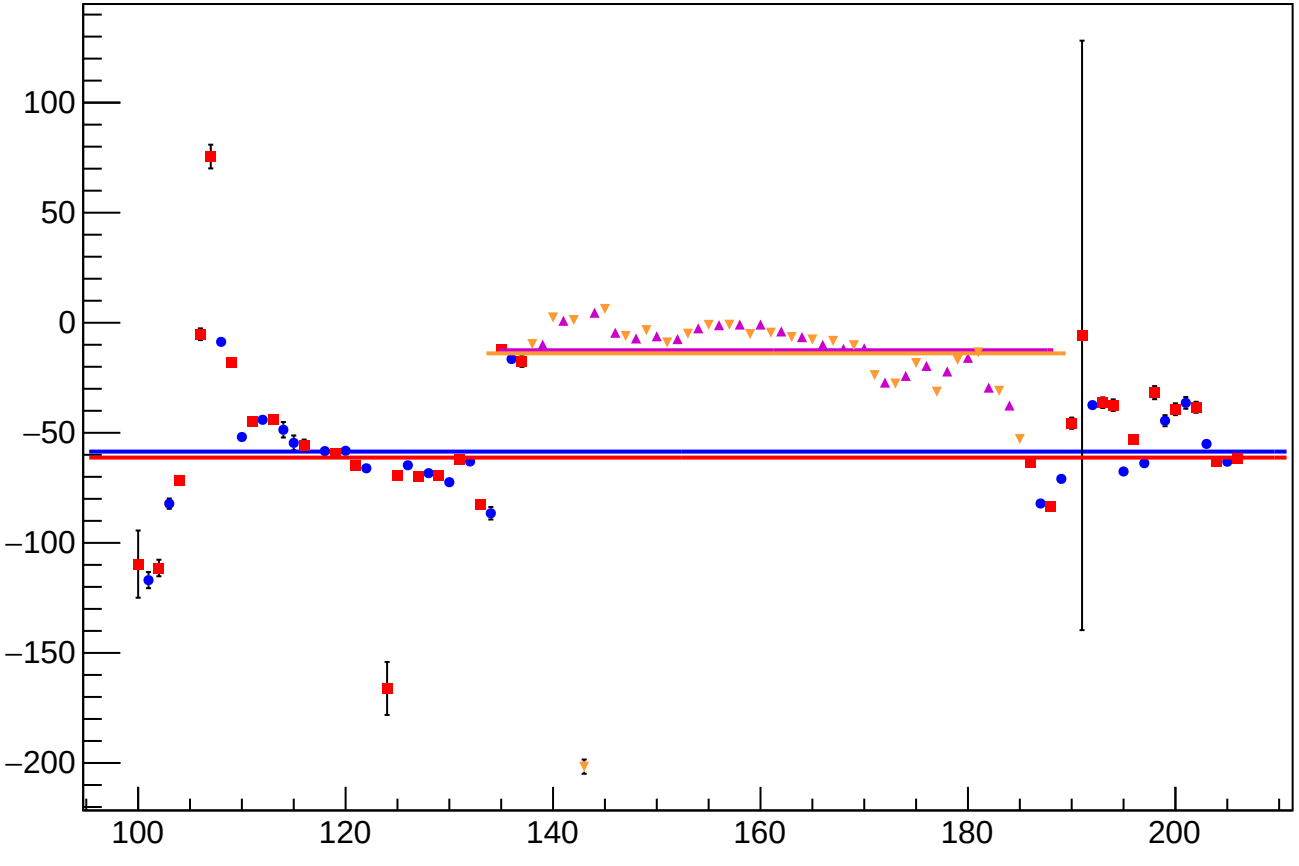
Right: -0.398+/-0.263 χ^2/NDF: 878.8/55

In: 1.462+/-0.185 χ^2/NDF:731.3/47

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.206+/-0.128 χ^2/NDF: 1498.9/103

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

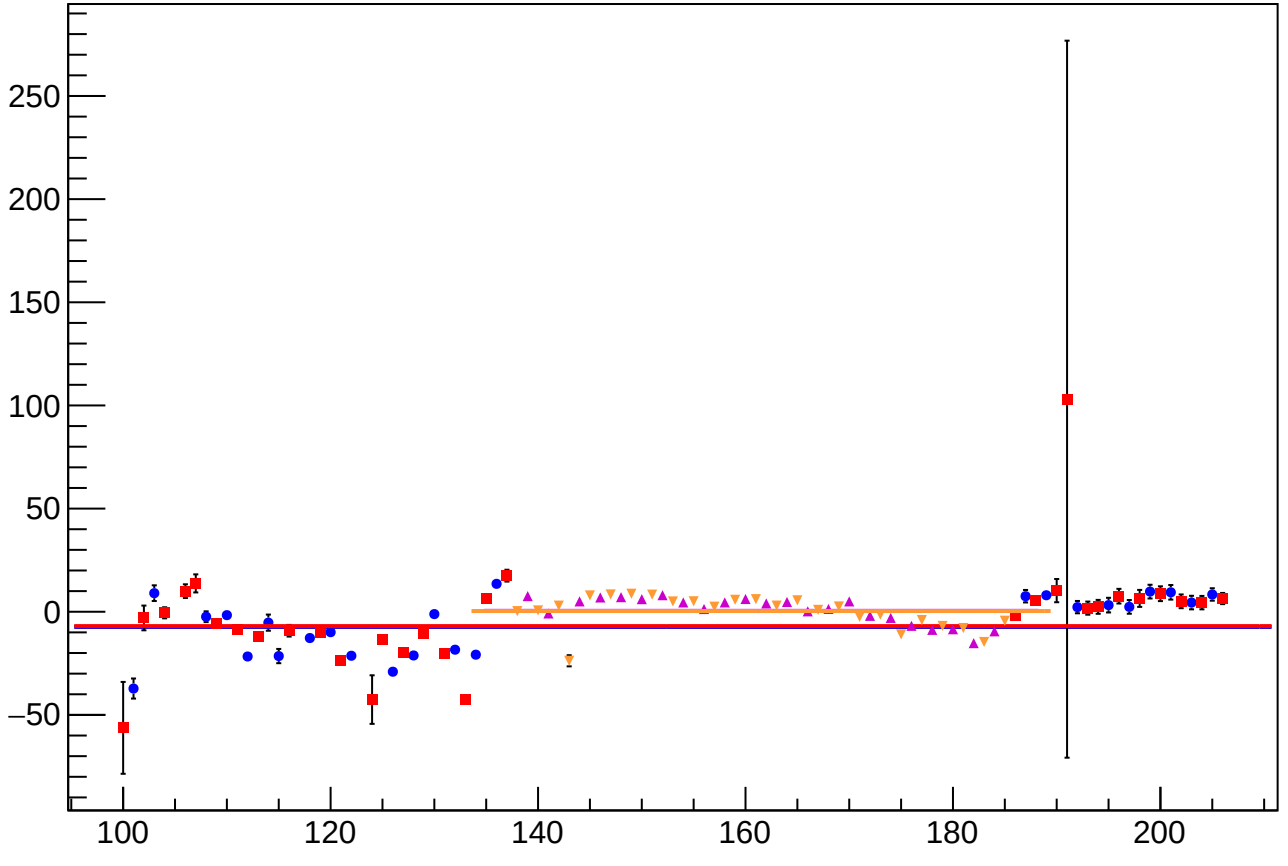
Right: -60.161+/-0.234 χ^2/NDF: 8830.5/55

In: -28.518+/-0.217 χ^2/NDF:14982.4/47

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -31.724+/-0.147 χ^2/NDF: 39845.0/103

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

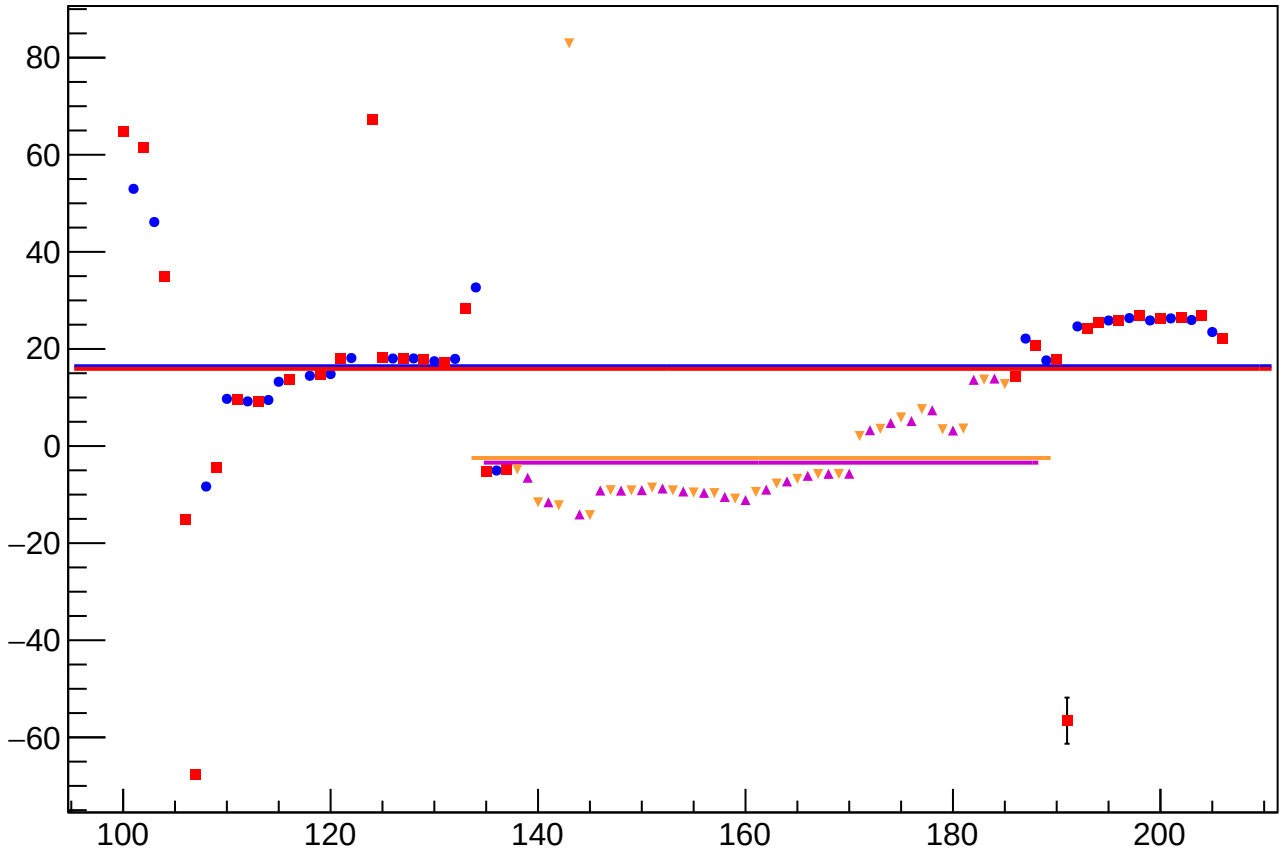
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.149+/-0.312 χ^2/NDF: 1833.7/55

In: -1.235+/-0.210 χ^2/NDF:1908.4/47

Out: -1.288+/-0.204 χ^2/NDF:2083.9/55

All: -1.262+/-0.146 χ^2/NDF: 3992.3/103



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

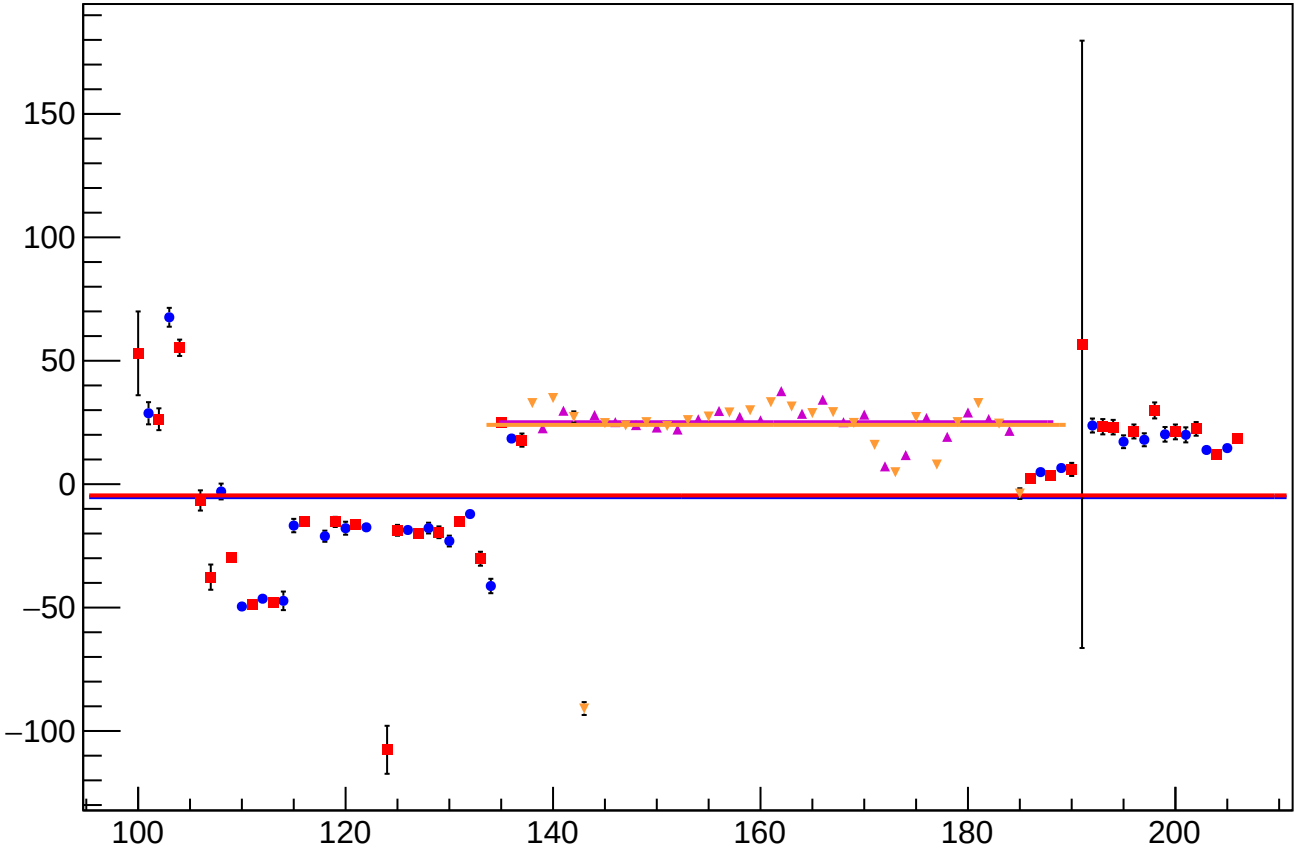
Right: 16.163+/-0.016 χ^2/NDF: 988305.7/55

In: -0.108+/-0.010 χ^2/NDF:1580307.3/47

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.337+/-0.007 χ^2/NDF: 3655994.8/103

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

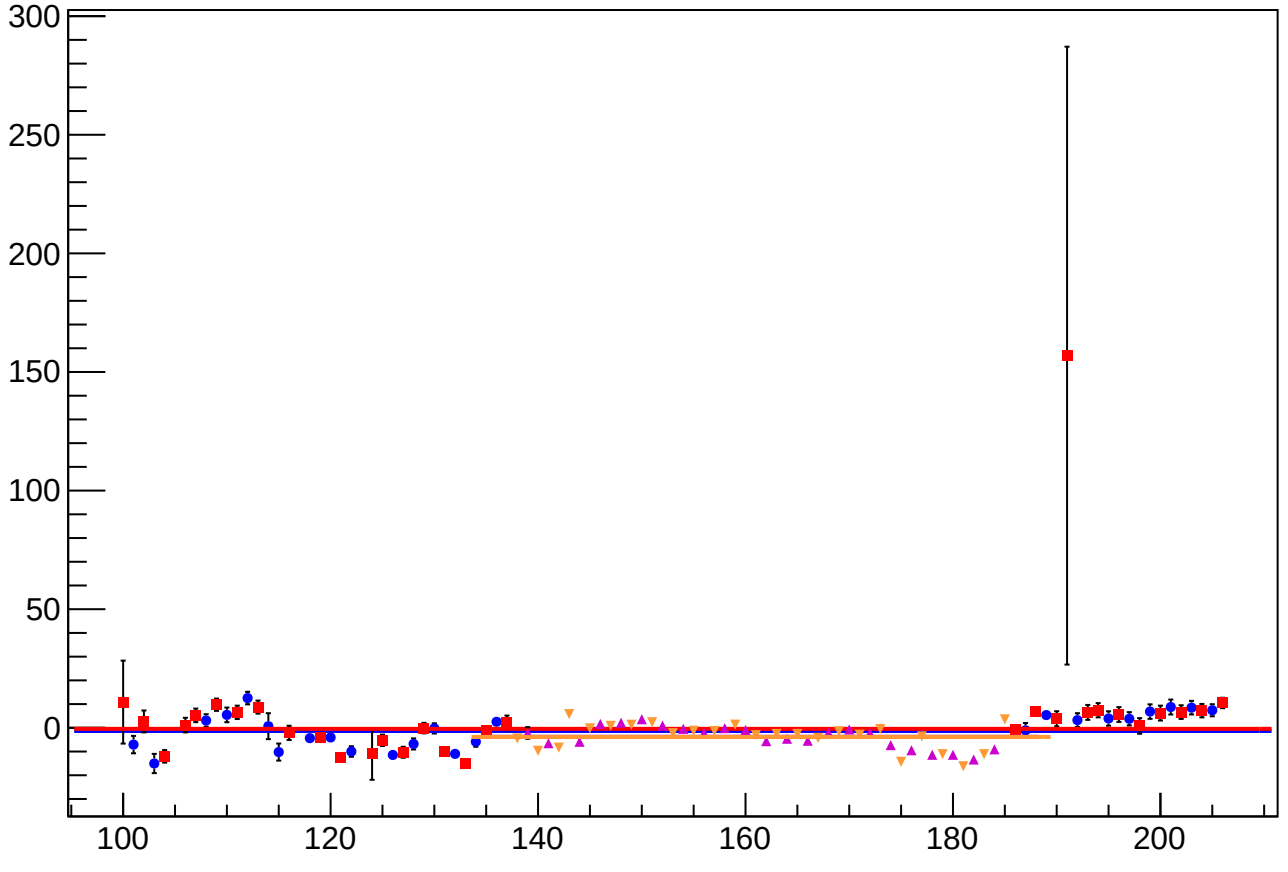
Right: -4.863+/-0.289 χ^2/NDF: 6917.3/55

In: 15.855+/-0.240 χ^2/NDF:7095.3/47

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.944+/-0.165 χ^2/NDF: 17196.8/103

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

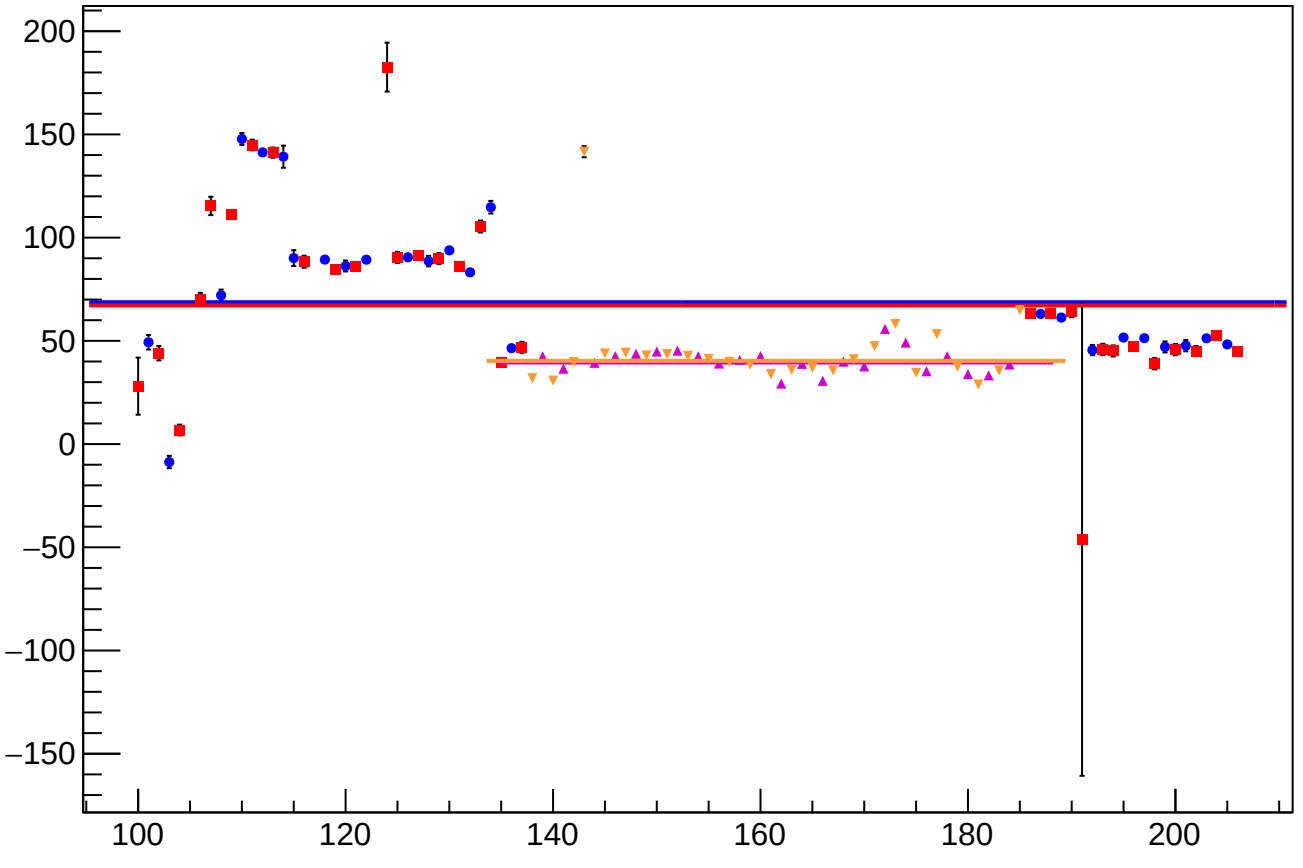
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -0.850+/-0.324 χ^2/NDF: 486.2/55

In: -3.334+/-0.202 χ^2/NDF:733.5/47

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.256+/-0.141 χ^2/NDF: 1713.2/103



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

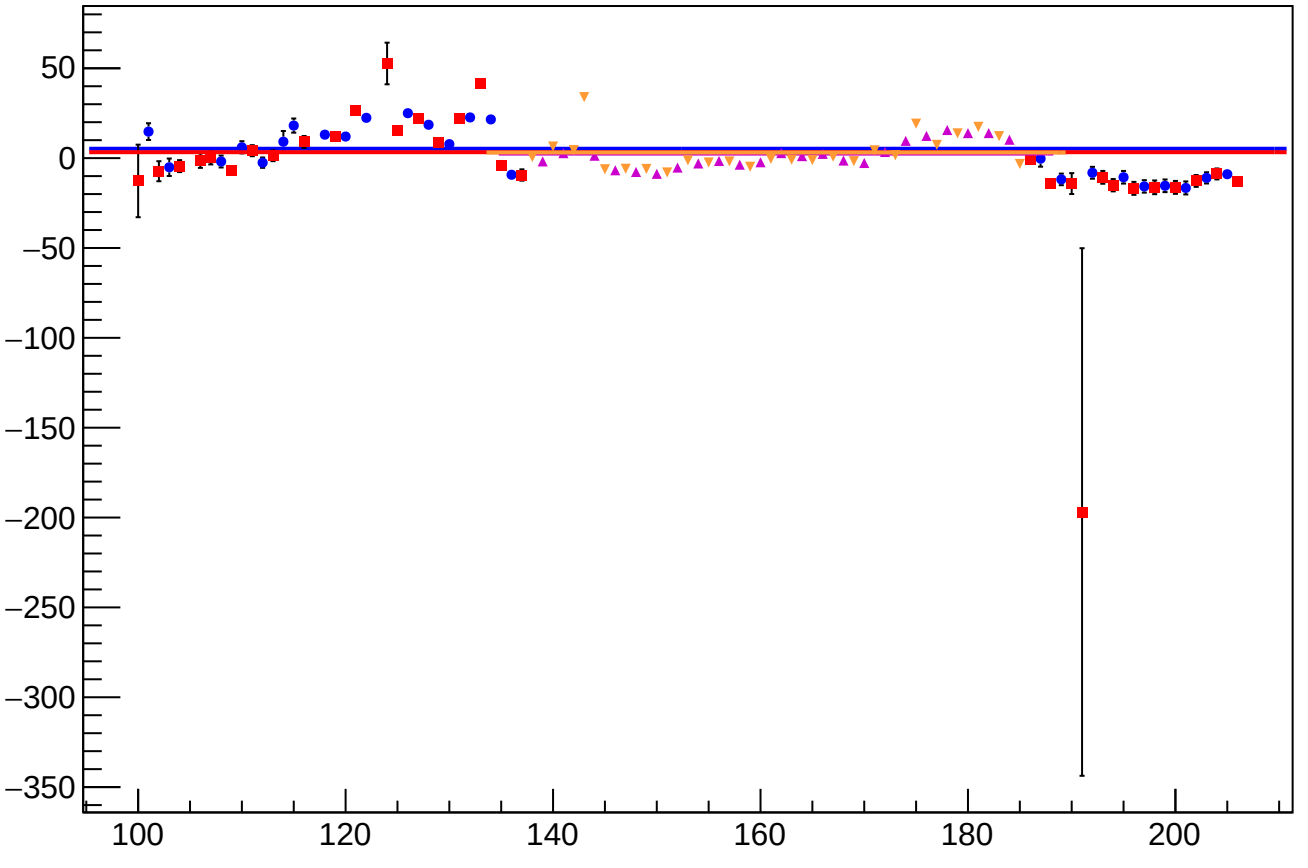
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 67.804+/-0.291 χ^2/NDF: 9013.7/55

In: 47.899+/-0.240 χ^2/NDF:7713.1/47

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.830+/-0.165 χ^2/NDF: 17866.5/103



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

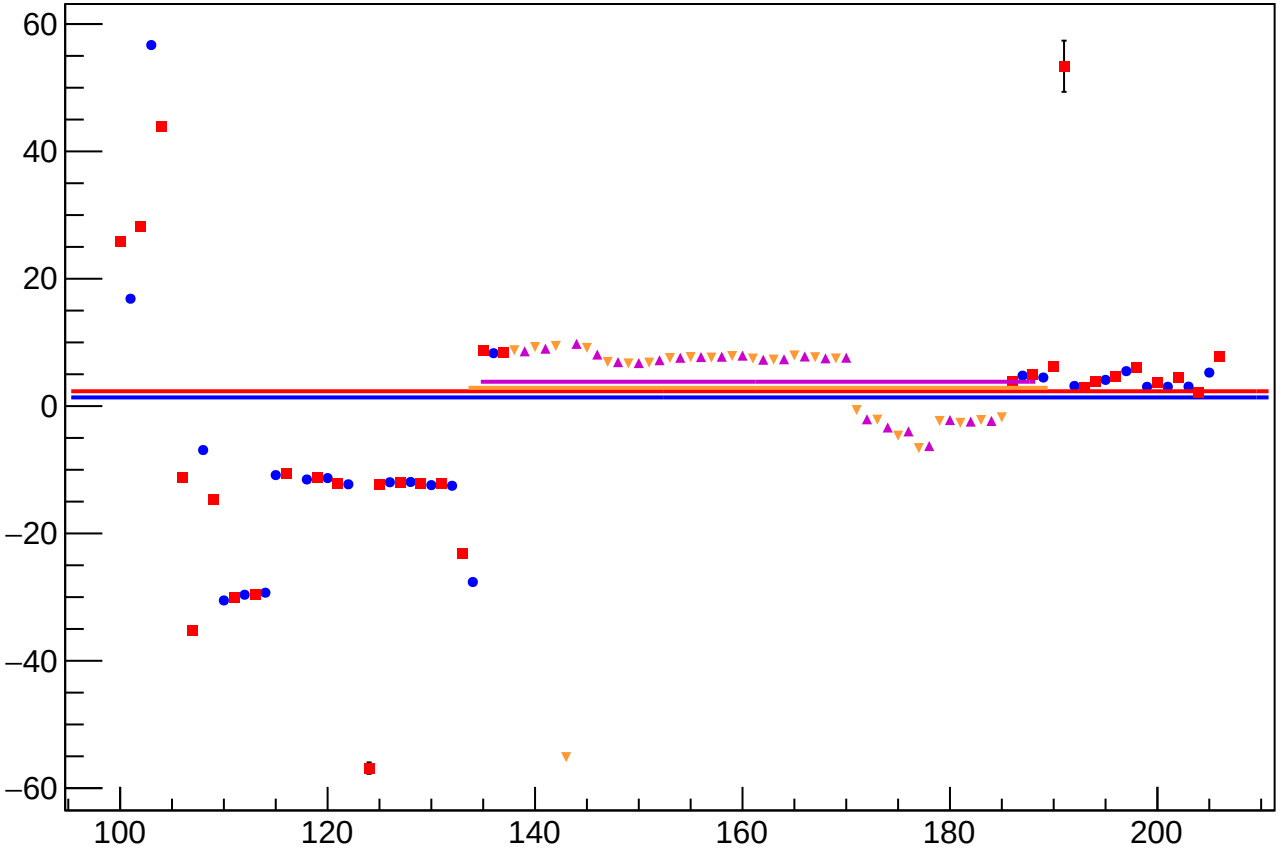
Right: 4.223+/-0.379 χ^2/NDF: 1553.7/55

In: 2.990+/-0.228 χ^2/NDF:1643.5/47

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.082+/-0.159 χ^2/NDF: 3803.0/103

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

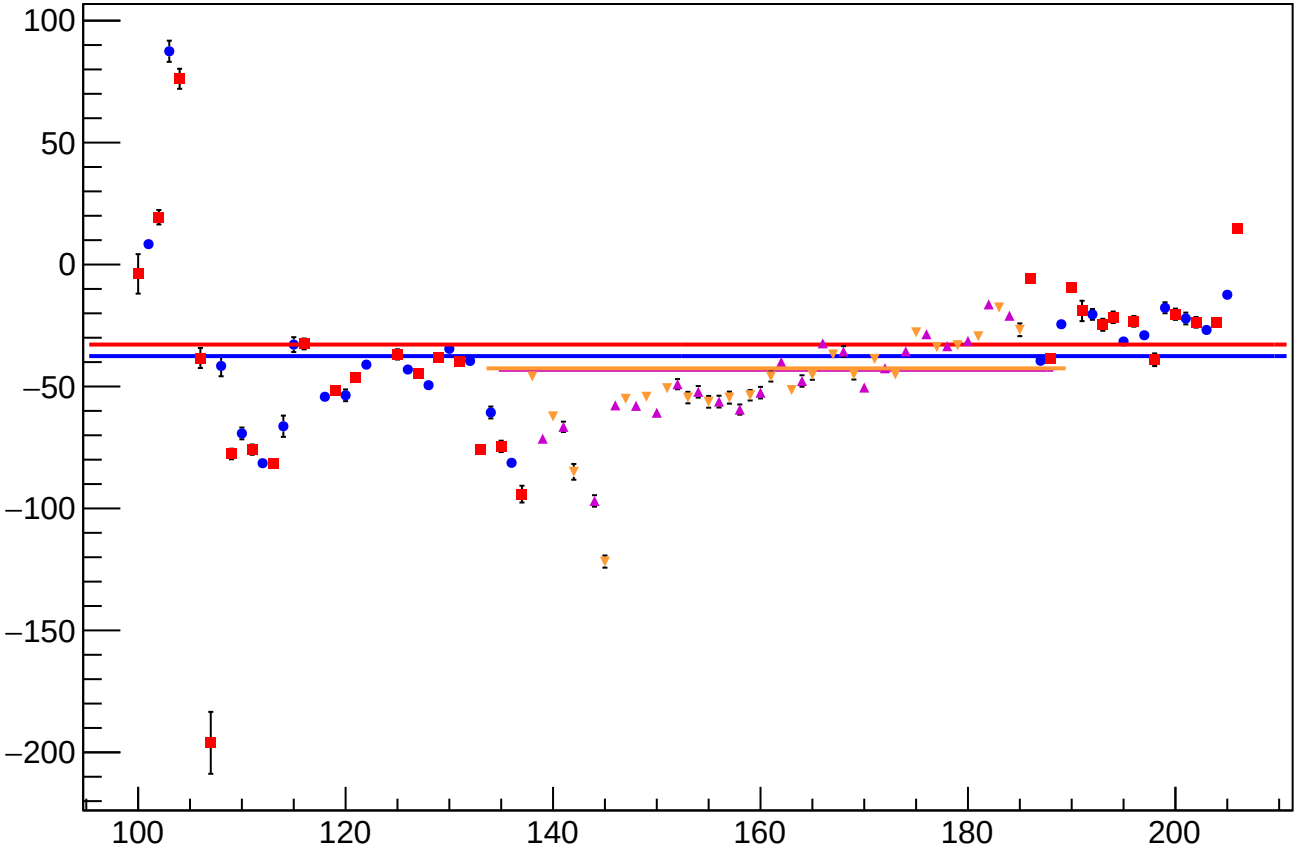
Right: 1.872+/-0.018 χ^2/NDF: 707013.8/55

In: 3.456+/-0.010 χ^2/NDF:616723.5/47

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.114+/-0.007 χ^2/NDF: 1461832.9/103

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.541+/-0.395 χ^2/NDF: 3734.6/24

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.803+/-0.345 χ^2/NDF: 6230.5/29

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

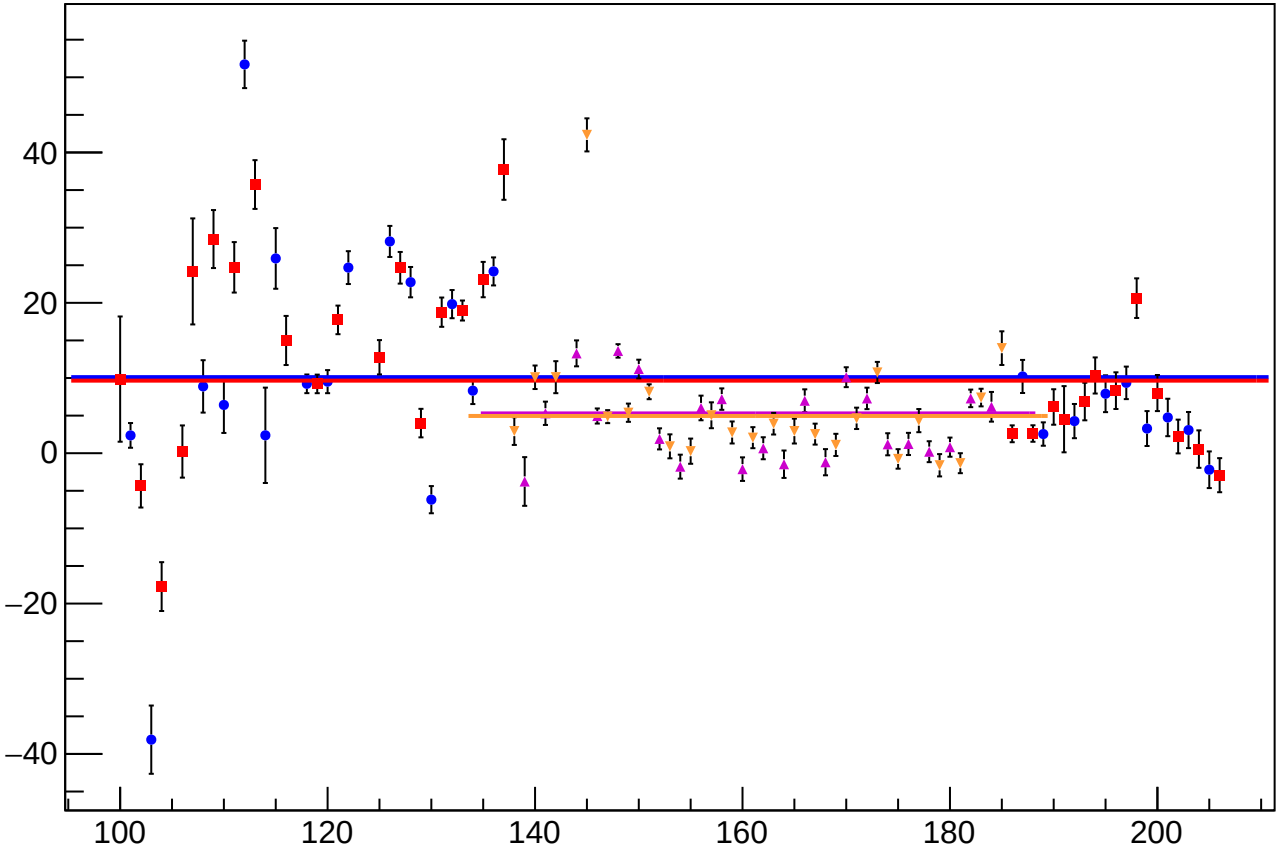
Right: -34.849+/-0.260 χ^2/NDF: 10046.8/54

In: -40.446+/-0.274 χ^2/NDF:6045.6/47

Out: -37.226+/-0.255 χ^2/NDF:8920.6/53

All: -38.716+/-0.187 χ^2/NDF: 15040.1/101

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.117+/-0.423 χ^2/NDF: 732.1/24

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.652+/-0.389 χ^2/NDF: 608.8/29

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

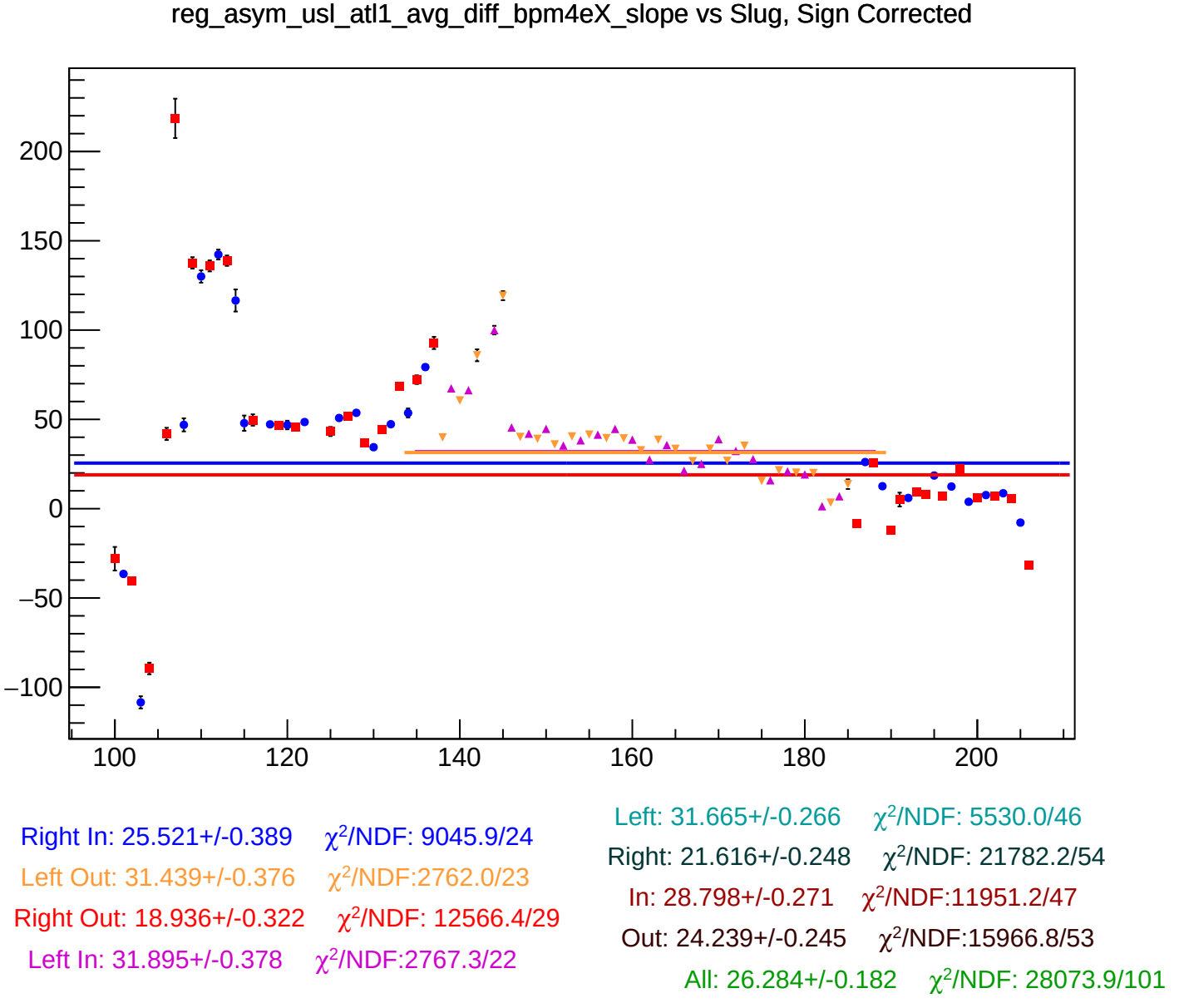
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

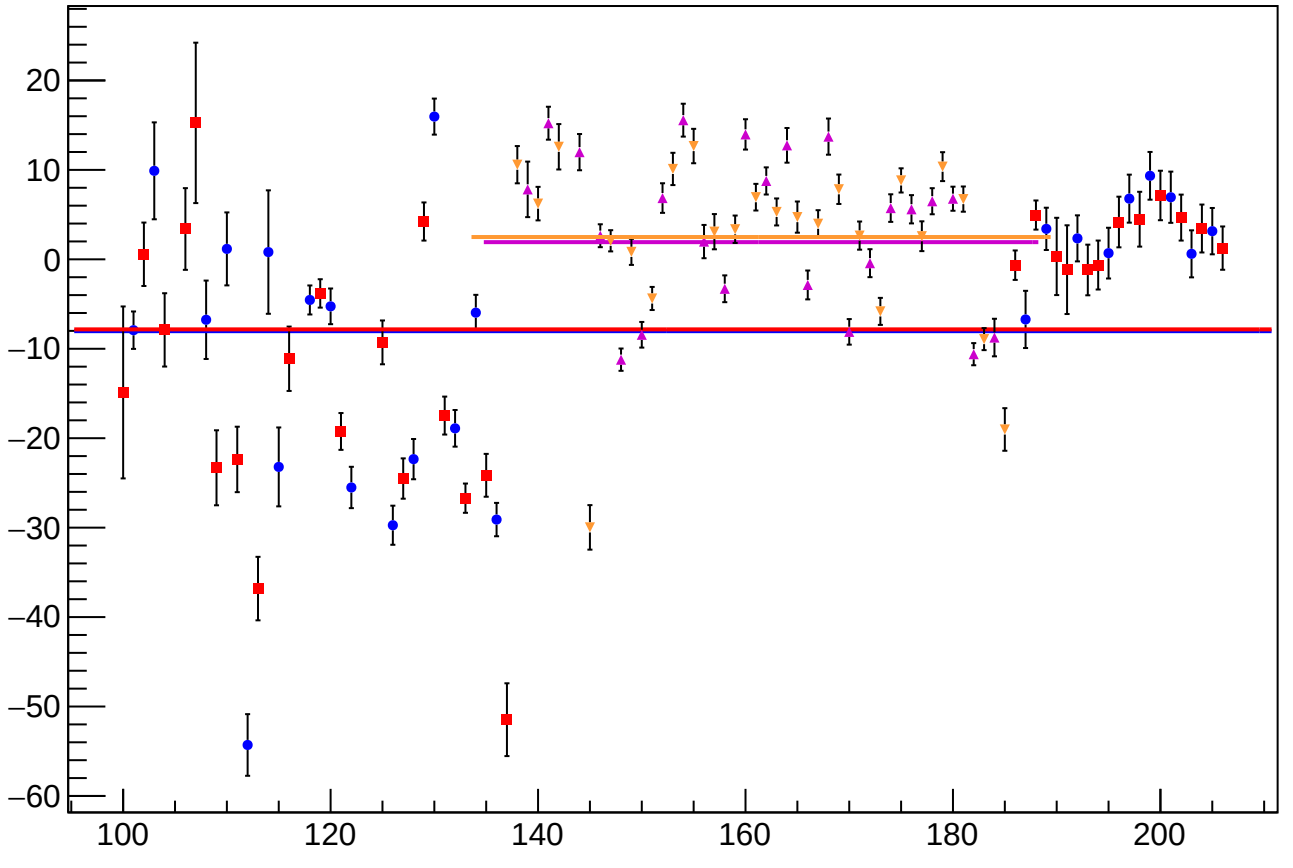
Right: 9.866+/-0.286 χ^2/NDF: 1341.5/54

In: 6.868+/-0.242 χ^2/NDF:1106.2/47

Out: 6.621+/-0.232 χ^2/NDF:1152.0/53

All: 6.739+/-0.167 χ^2/NDF: 2258.7/101


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 25.521+/-0.389 χ²/NDF: 9045.9/24
Left Out: 31.439+/-0.376 χ²/NDF:2762.0/23
Right Out: 18.936+/-0.322 χ²/NDF: 12566.4/29
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 21.616+/-0.248 χ²/NDF: 21782.2/54
In: 28.798+/-0.271 χ²/NDF:11951.2/47
Out: 24.239+/-0.245 χ²/NDF:15966.8/53
All: 26.284+/-0.182 χ²/NDF: 28073.9/101



Right In: -8.032+/-0.498 χ^2/NDF: 889.9/24

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.831+/-0.473 χ^2/NDF: 772.3/29

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

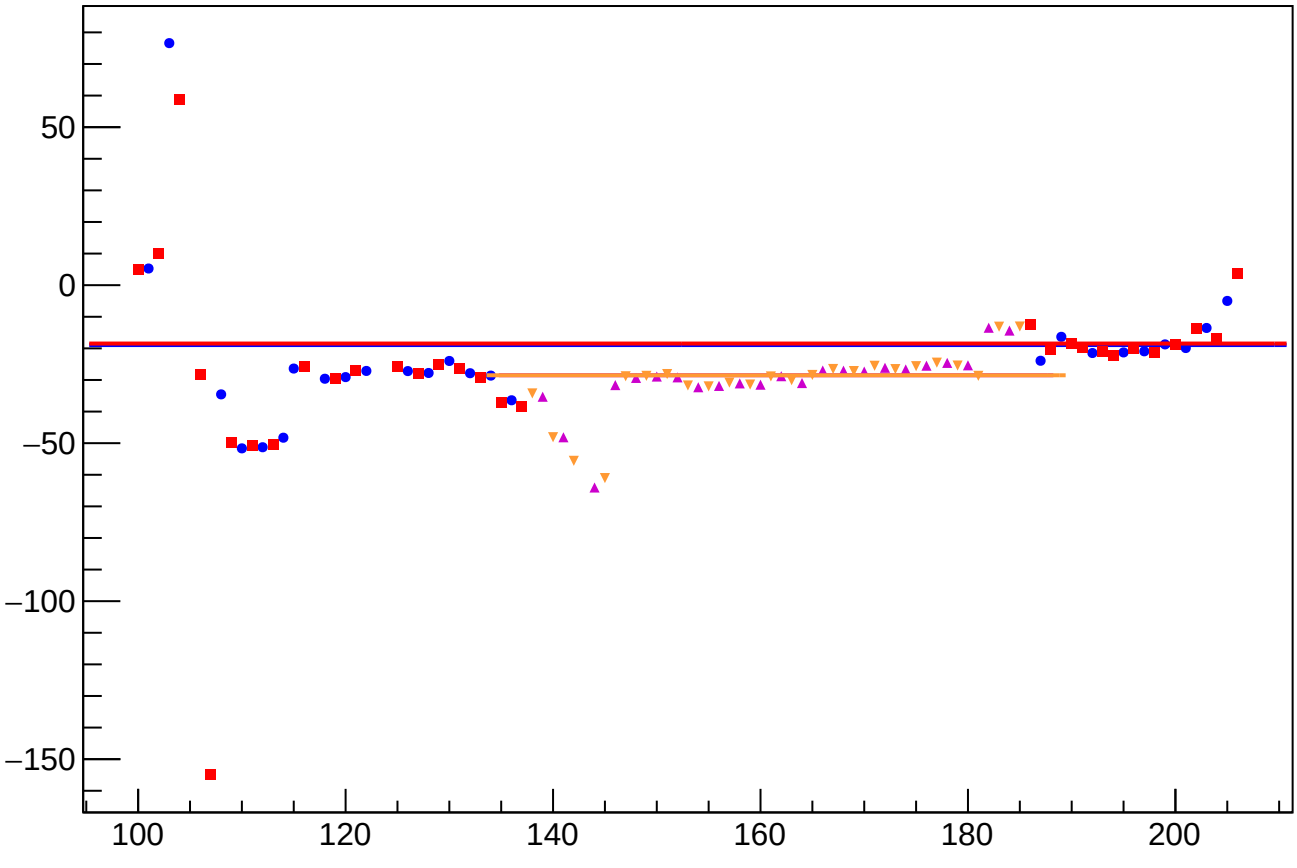
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -7.927+/-0.343 χ^2/NDF: 1662.3/54

In: -1.138+/-0.276 χ^2/NDF:1845.1/47

Out: -0.840+/-0.269 χ^2/NDF:1653.4/53

All: -0.985+/-0.193 χ^2/NDF: 3499.1/101



Right In: -18.952+/-0.024 χ^2/NDF: 666781.3/24

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.473+/-0.022 χ^2/NDF: 623150.6/29

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

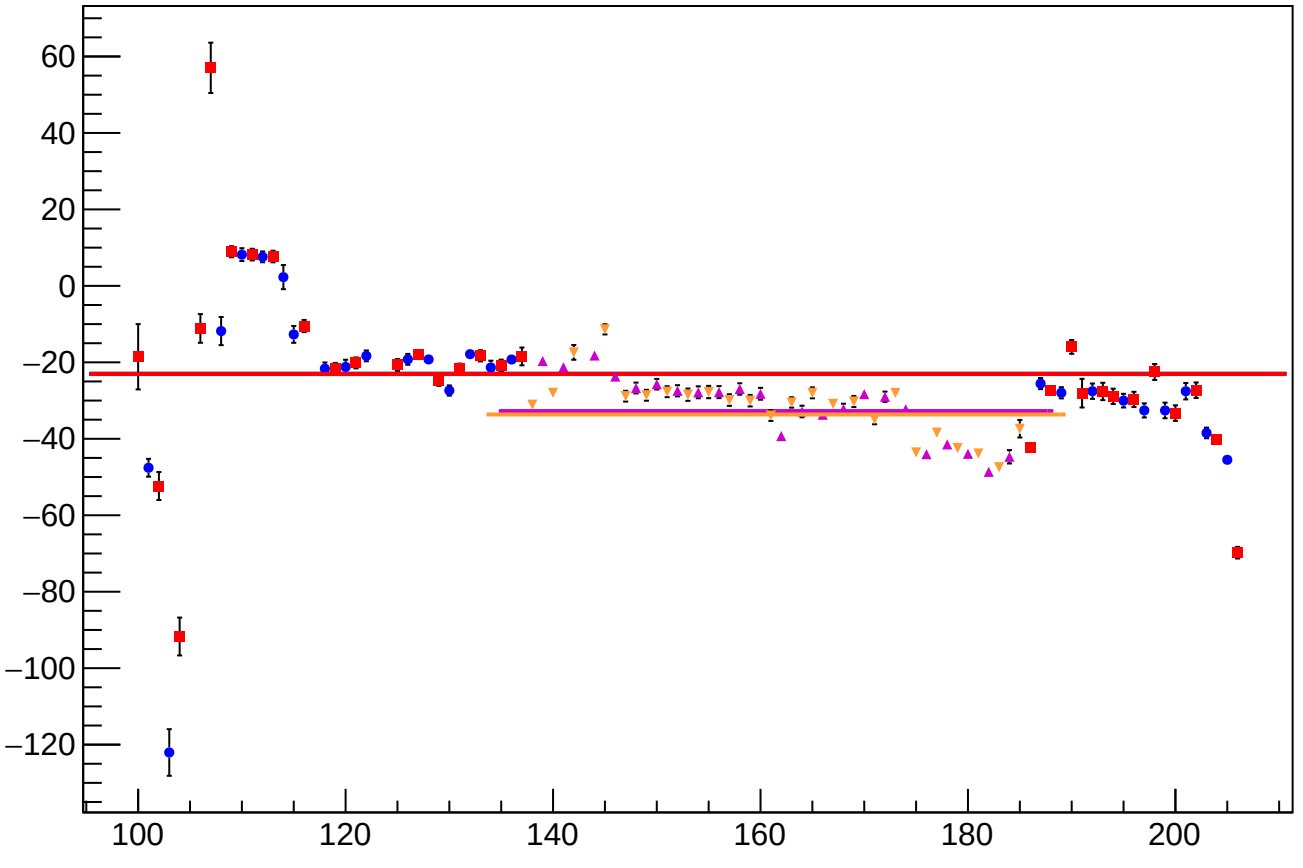
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.696+/-0.016 χ^2/NDF: 1290152.1/54

In: -25.792+/-0.013 χ^2/NDF:1072164.3/47

Out: -25.400+/-0.012 χ^2/NDF:1100273.4/53

All: -25.592+/-0.009 χ^2/NDF: 2172937.1/101



Right In: -22.969+/-0.323 χ^2/NDF: 1922.2/24

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -23.065+/-0.303 χ^2/NDF: 3303.1/29

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

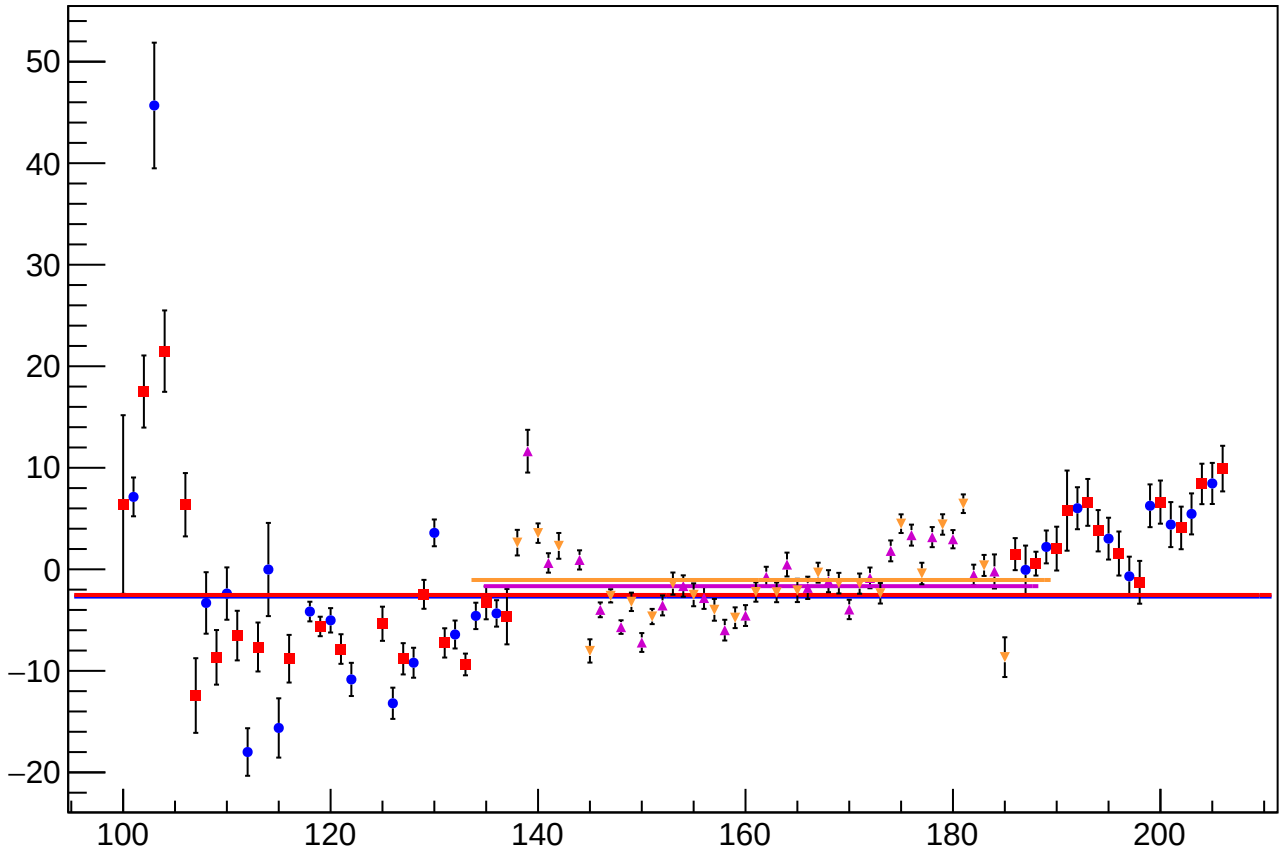
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -23.020+/-0.221 χ^2/NDF: 5225.4/54

In: -28.749+/-0.206 χ^2/NDF:3608.3/47

Out: -29.052+/-0.199 χ^2/NDF:5009.8/53

All: -28.906+/-0.143 χ^2/NDF: 8619.2/101



Right In: -2.684+/-0.345 χ^2/NDF: 392.8/24

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.524+/-0.336 χ^2/NDF: 340.3/29

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

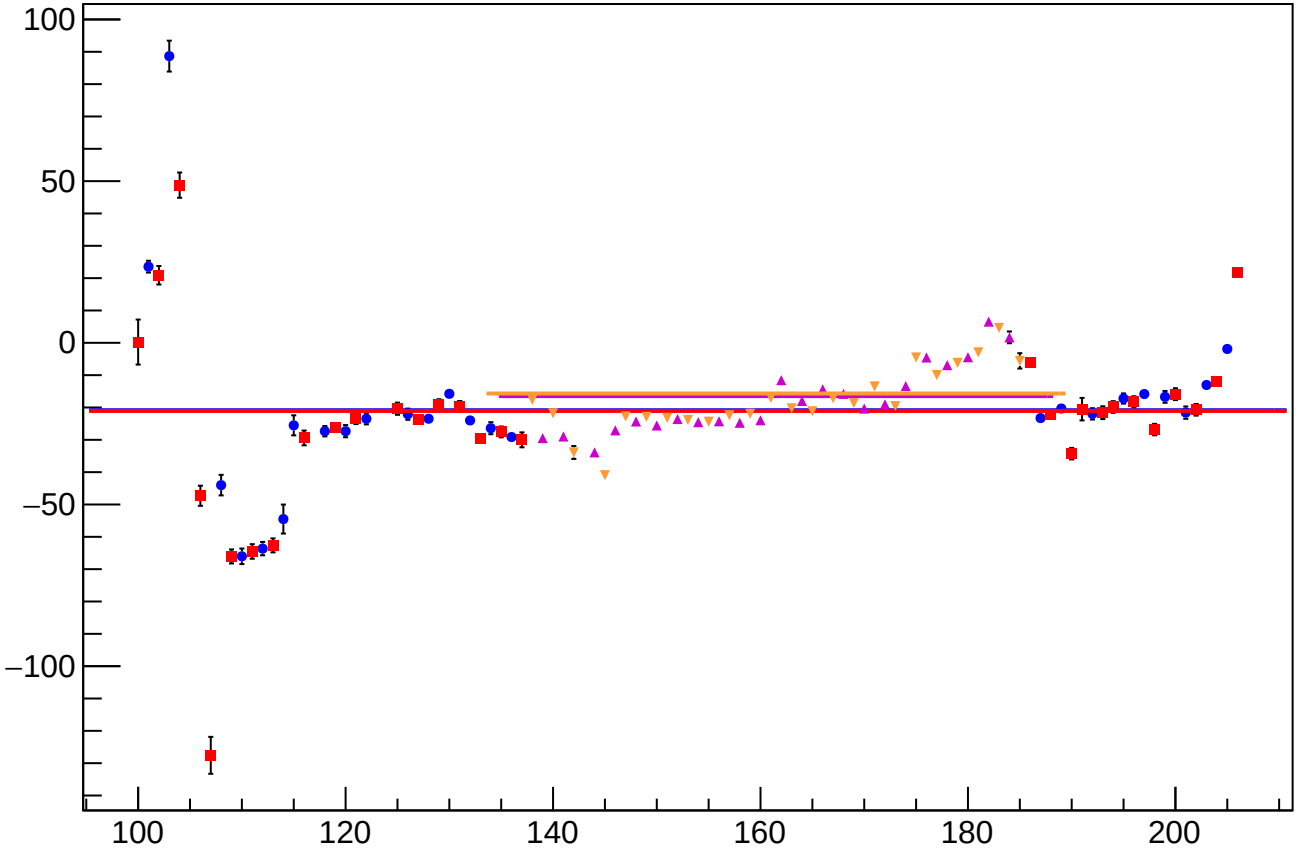
Right: -2.602+/-0.241 χ^2/NDF: 733.2/54

In: -1.930+/-0.177 χ^2/NDF:663.7/47

Out: -1.444+/-0.174 χ^2/NDF:643.8/53

All: -1.682+/-0.124 χ^2/NDF: 1311.3/101

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -20.852+/-0.333 χ^2/NDF: 2394.8/24

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -21.059+/-0.303 χ^2/NDF: 3454.6/29

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

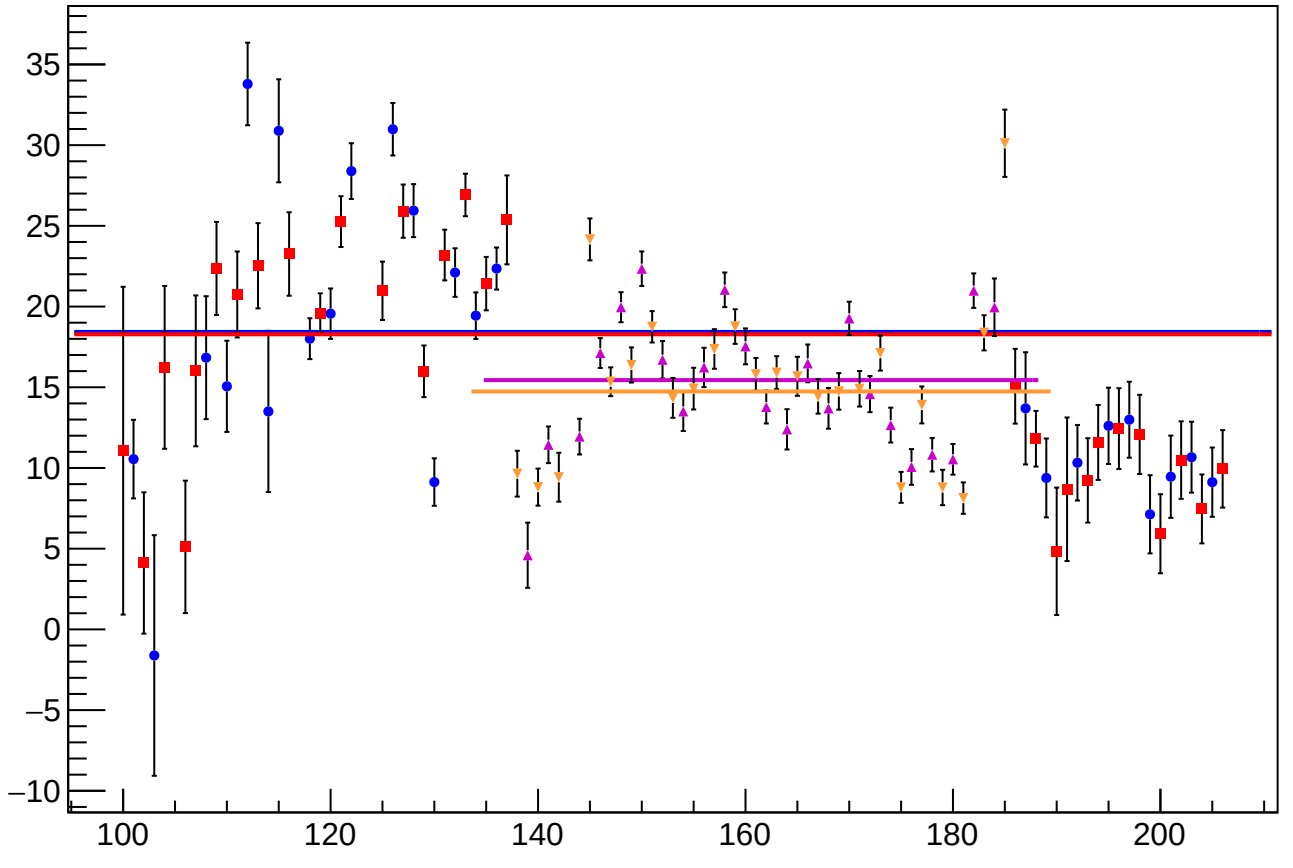
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -20.965+/-0.224 χ^2/NDF: 5849.6/54

In: -18.179+/-0.208 χ^2/NDF:4197.6/47

Out: -17.991+/-0.199 χ^2/NDF:5155.7/53

All: -18.081+/-0.144 χ^2/NDF: 9353.7/101



Right In: 18.428+/-0.398 χ^2/NDF: 345.9/24

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.282+/-0.395 χ^2/NDF: 278.5/29

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

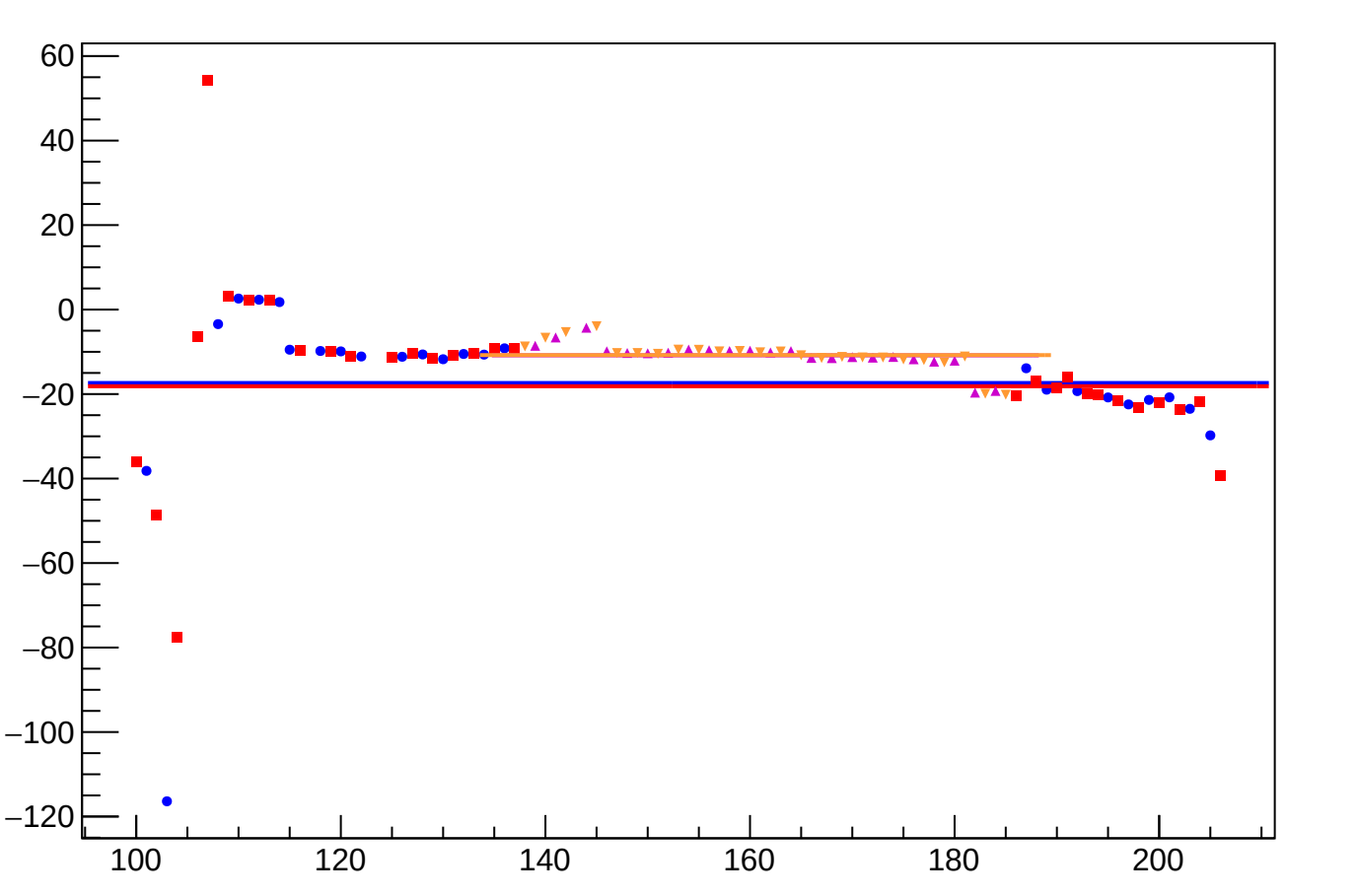
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.354+/-0.281 χ^2/NDF: 624.5/54

In: 16.206+/-0.201 χ^2/NDF:678.1/47

Out: 15.632+/-0.198 χ^2/NDF:669.5/53

All: 15.915+/-0.141 χ^2/NDF: 1351.7/101



Right In: -17.378+/-0.020 χ^2/NDF: 399197.0/24

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.148+/-0.019 χ^2/NDF: 432290.4/29

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

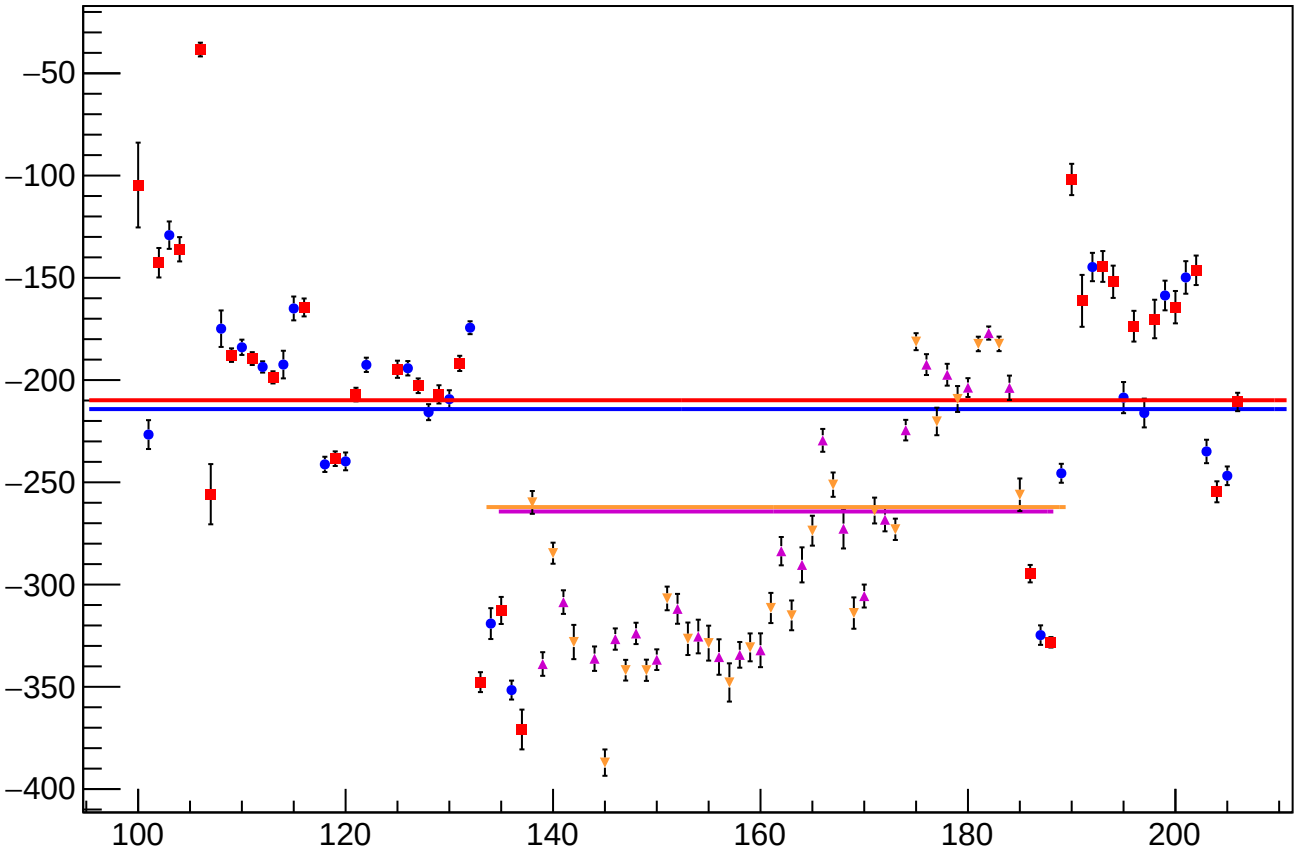
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -17.776+/-0.014 χ^2/NDF: 832267.4/54

In: -12.228+/-0.009 χ^2/NDF:559058.5/47

Out: -12.427+/-0.009 χ^2/NDF:631932.6/53

All: -12.328+/-0.006 χ^2/NDF: 1191230.7/101



Right In: -214.197+/-0.936 χ^2/NDF: 2649.9/24

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.865+/-0.839 χ^2/NDF: 7620.0/29

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

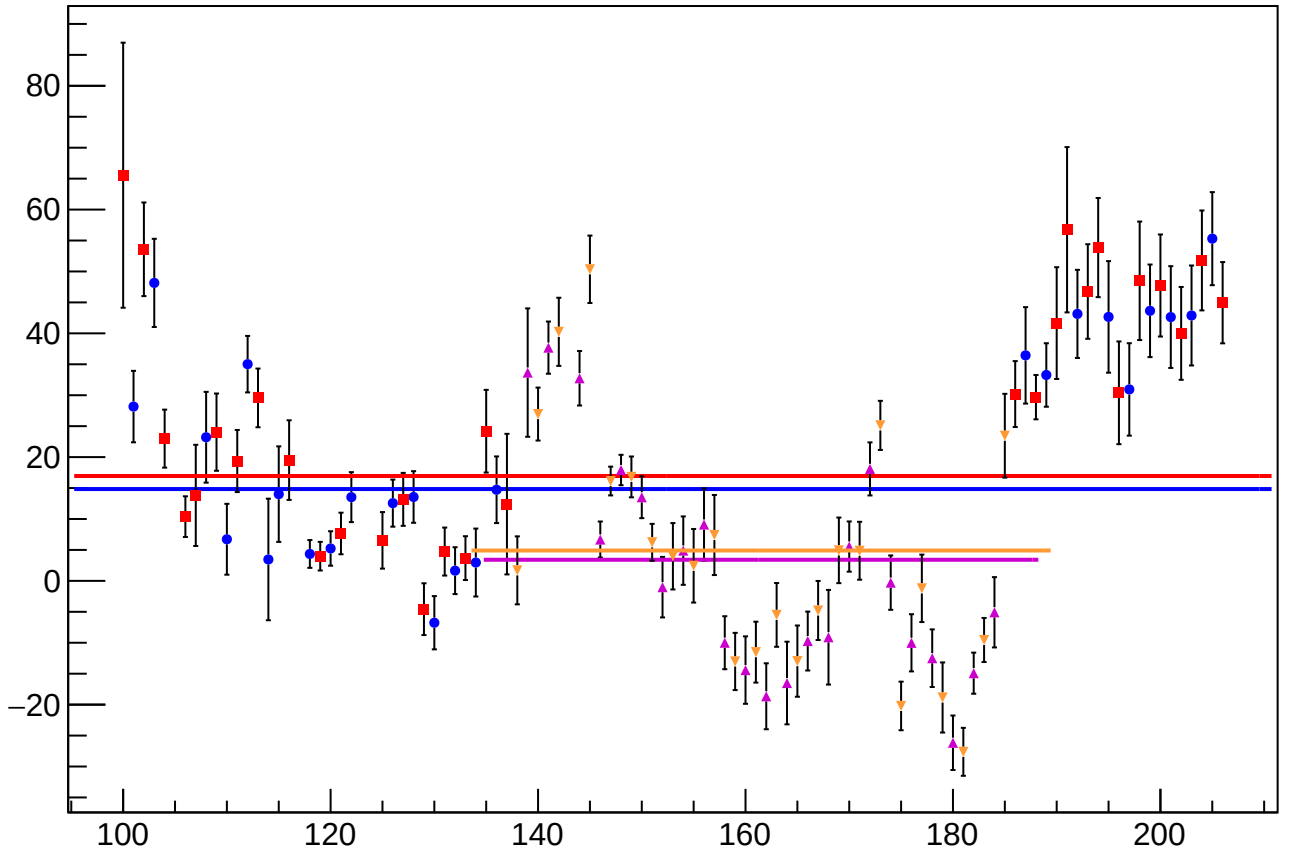
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.796+/-0.625 χ^2/NDF: 10281.8/54

In: -233.426+/-0.735 χ^2/NDF:6490.6/47

Out: -227.432+/-0.684 χ^2/NDF:11887.2/53

All: -230.214+/-0.501 χ^2/NDF: 18413.5/101



Right In: 14.839+/-0.975 χ^2/NDF: 245.6/24

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.948+/-0.921 χ^2/NDF: 285.2/29

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

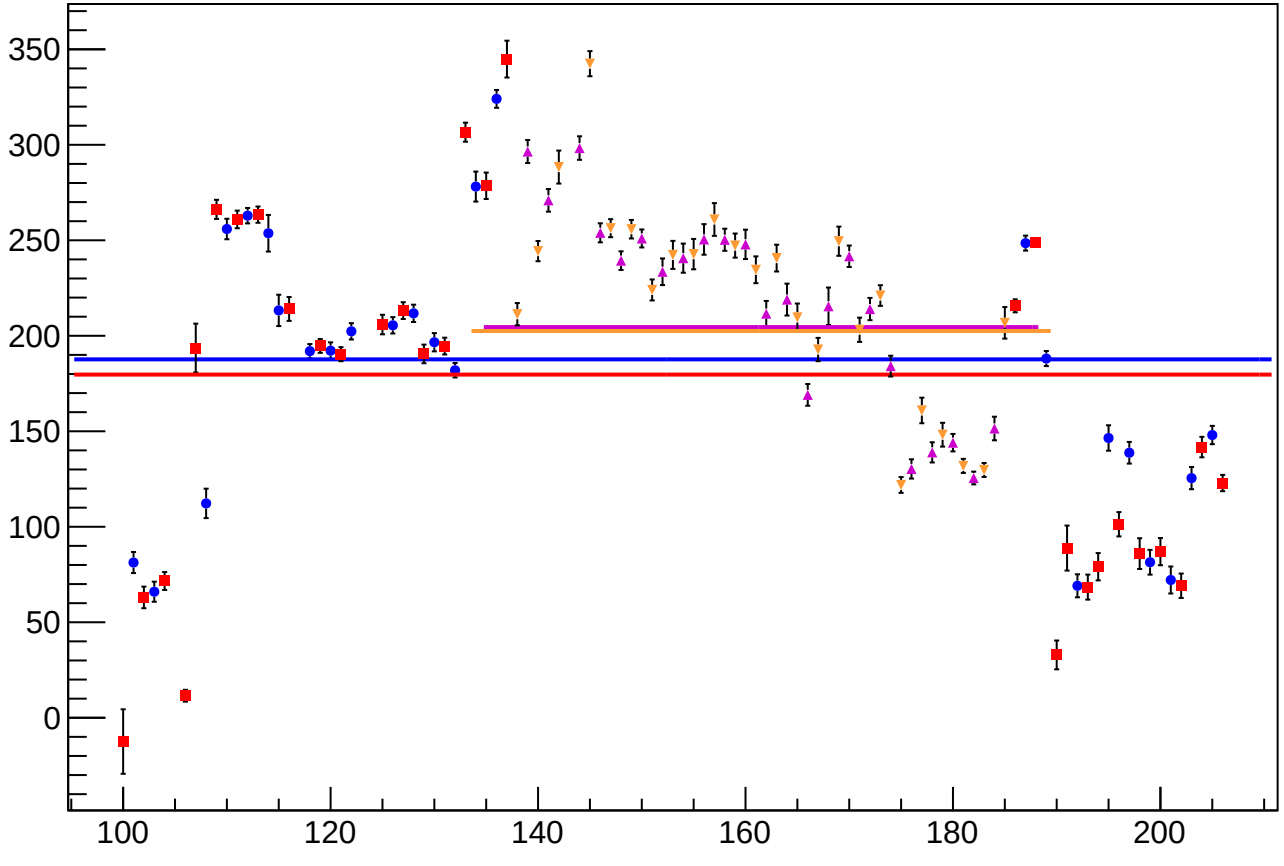
Right: 15.954+/-0.670 χ^2/NDF: 533.2/54

In: 8.670+/-0.662 χ^2/NDF:653.0/47

Out: 10.696+/-0.639 χ^2/NDF:772.8/53

All: 9.719+/-0.460 χ^2/NDF: 1430.7/101

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 187.663+/-1.004 χ^2/NDF: 4076.0/24

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.685+/-0.868 χ^2/NDF: 9487.6/29

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

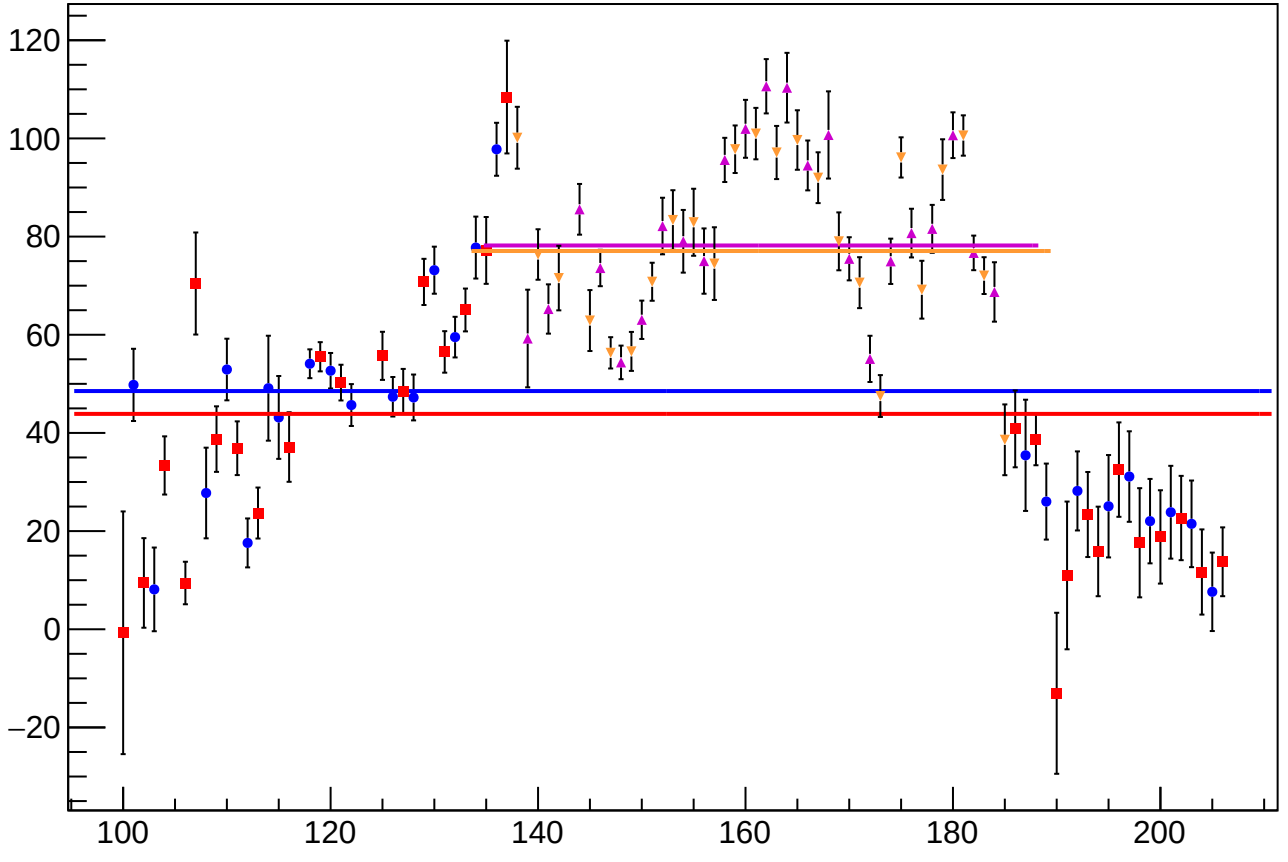
Right: 183.098+/-0.656 χ^2/NDF: 13599.8/54

In: 194.776+/-0.764 χ^2/NDF:6481.0/47

Out: 187.760+/-0.698 χ^2/NDF:12125.9/53

All: 190.951+/-0.515 χ^2/NDF: 18652.9/101

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.531+/-1.145 χ^2/NDF: 287.4/24

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 43.879+/-1.091 χ^2/NDF: 339.8/29

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

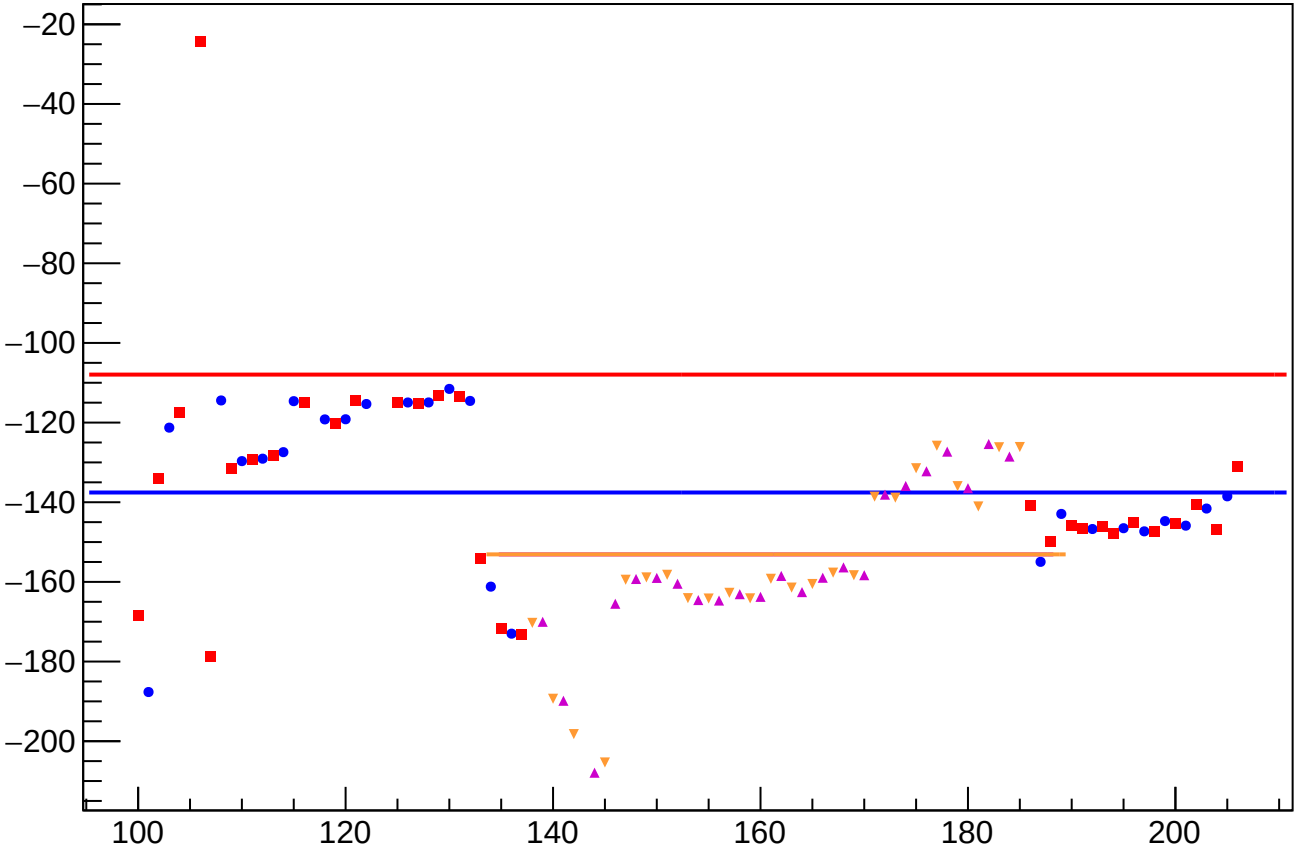
Right: 46.092+/-0.790 χ^2/NDF: 635.8/54

In: 64.986+/-0.764 χ^2/NDF:892.2/47

Out: 61.656+/-0.743 χ^2/NDF:1147.0/53

All: 63.275+/-0.533 χ^2/NDF: 2049.0/101

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.555+/-0.064 χ^2/NDF: 102975.2/24

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.951+/-0.052 χ^2/NDF: 985520.7/29

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

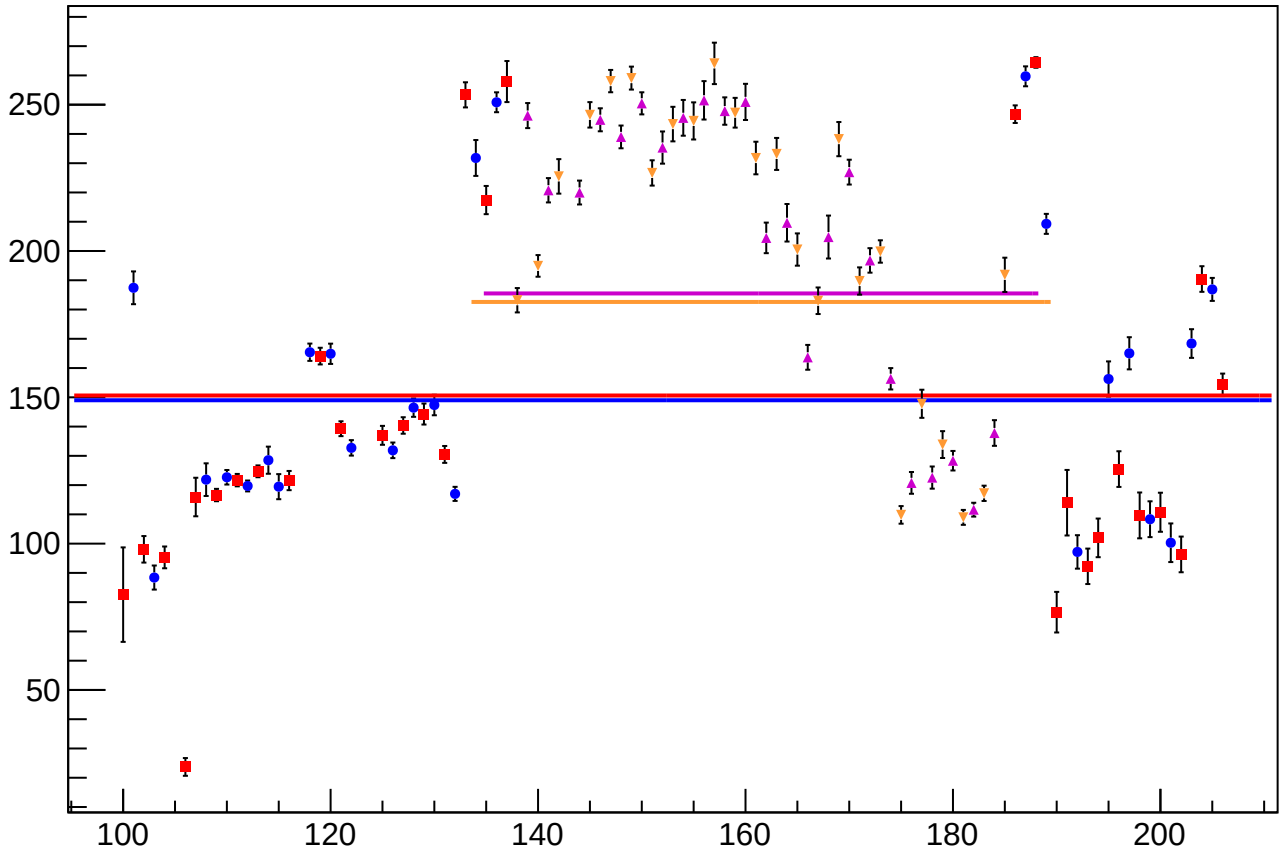
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -119.783+/-0.040 χ^2/NDF: 1217988.3/54

In: -147.682+/-0.038 χ^2/NDF:308376.0/47

Out: -132.838+/-0.035 χ^2/NDF:1578352.8/53

All: -139.688+/-0.026 χ^2/NDF: 1970503.3/10



Right In: 148.993+/-0.699 χ^2/NDF: 3769.2/24

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.620+/-0.625 χ^2/NDF: 9454.9/29

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

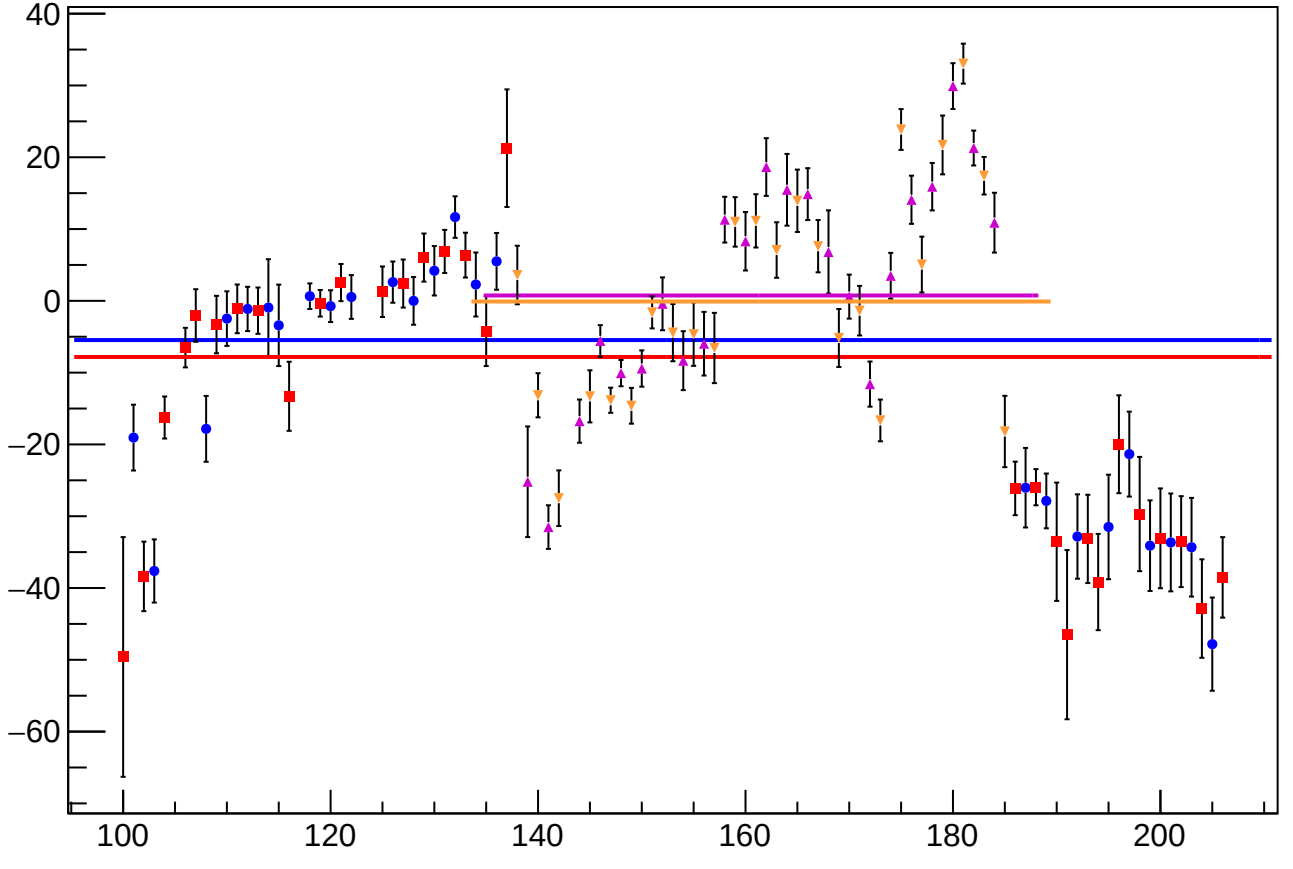
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.898+/-0.466 χ^2/NDF: 13227.1/54

In: 163.277+/-0.546 χ^2/NDF:8657.1/47

Out: 161.564+/-0.507 χ^2/NDF:14503.7/53

All: 162.357+/-0.371 χ^2/NDF: 23166.2/101



Right In: -5.463+/-0.745 χ^2/NDF: 344.9/24

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.821+/-0.696 χ^2/NDF: 422.7/29

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

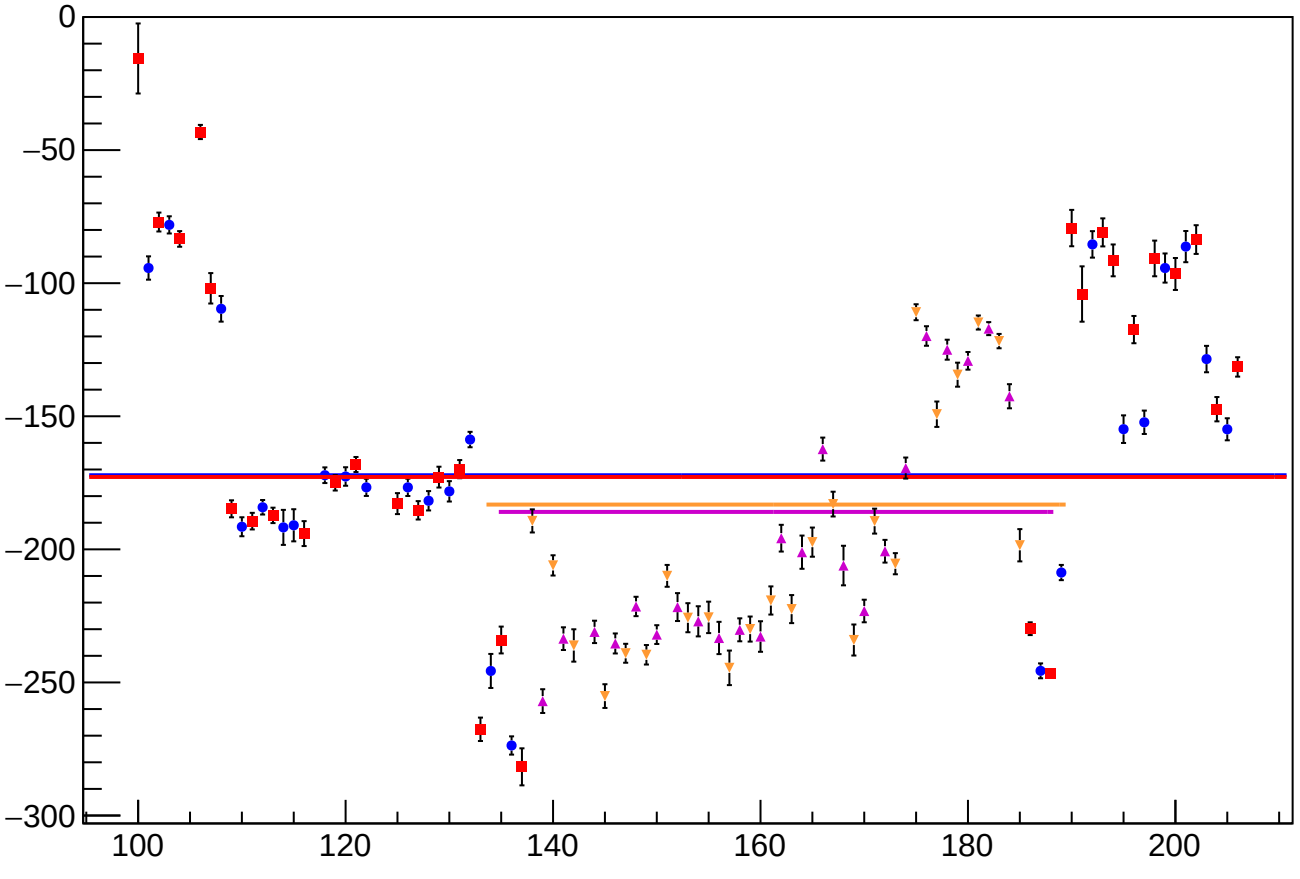
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -6.723+/-0.509 χ^2/NDF: 773.0/54

In: -2.007+/-0.496 χ^2/NDF:881.3/47

Out: -3.721+/-0.477 χ^2/NDF:1043.5/53

All: -2.898+/-0.344 χ^2/NDF: 1931.0/101



Right In: -172.160+/-0.754 χ^2/NDF: 4144.0/24

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -172.800+/-0.648 χ^2/NDF: 9995.6/29

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

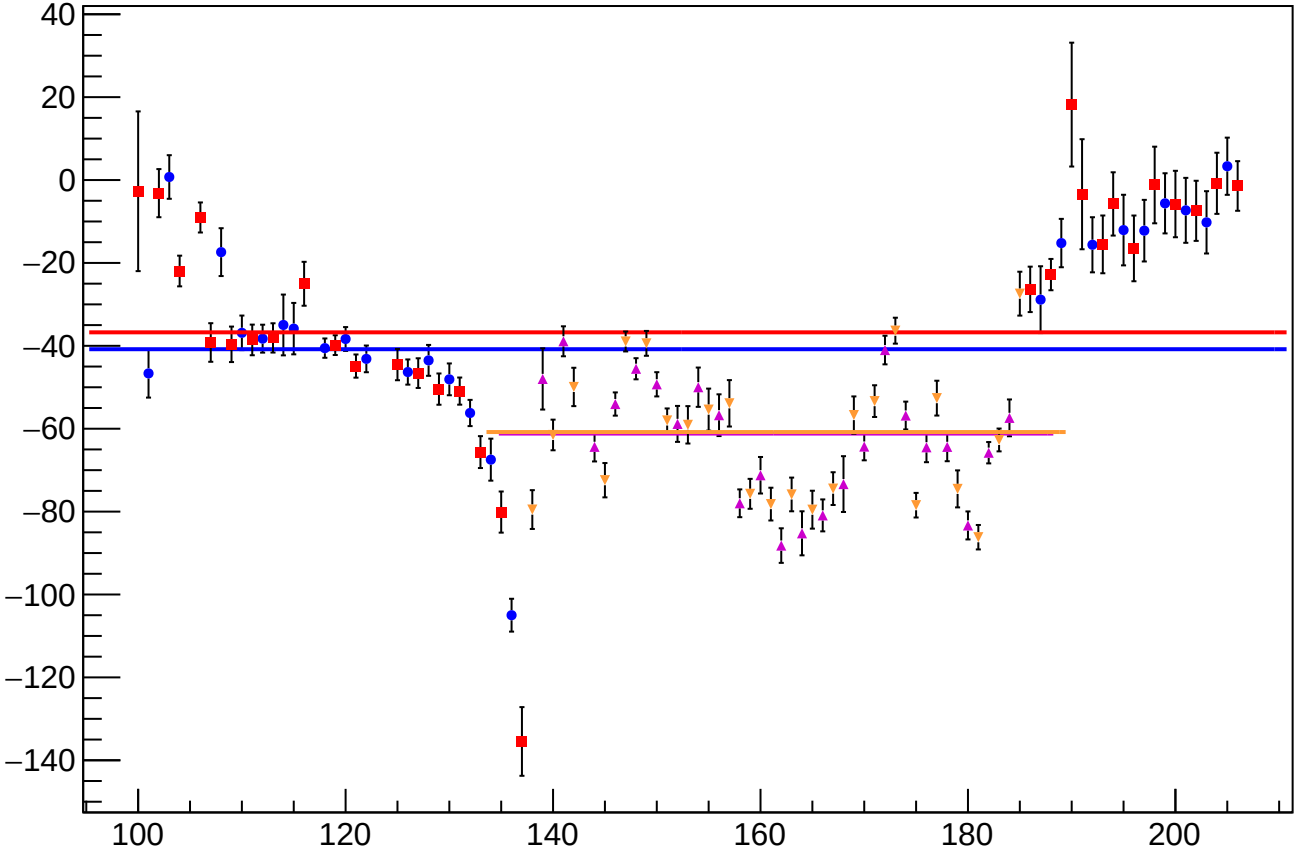
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -172.528+/-0.492 χ^2/NDF: 14140.0/54

In: -178.096+/-0.569 χ^2/NDF:7469.2/47

Out: -176.547+/-0.518 χ^2/NDF:13449.2/53

All: -177.249+/-0.383 χ^2/NDF: 20922.5/101



Right In: -40.818+/-0.873 χ^2/NDF: 566.3/24

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -36.747+/-0.825 χ^2/NDF: 619.4/29

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

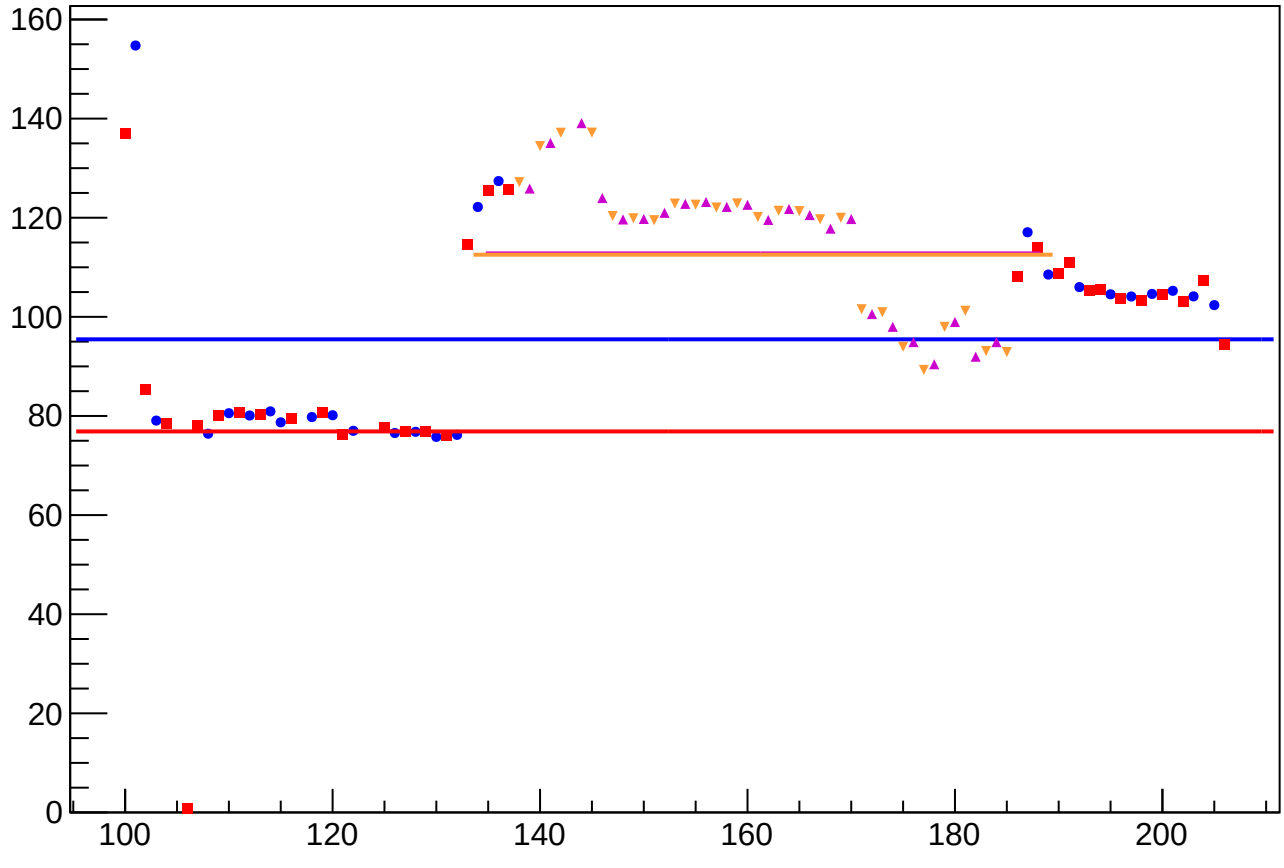
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -38.666+/-0.600 χ^2/NDF: 1197.2/54

In: -52.443+/-0.572 χ^2/NDF:1193.4/47

Out: -49.934+/-0.555 χ^2/NDF:1559.5/53

All: -51.150+/-0.398 χ^2/NDF: 2762.8/101



Right In: 95.463+/-0.048 χ^2/NDF: 182627.2/24

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.878+/-0.041 χ^2/NDF: 883161.0/29

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

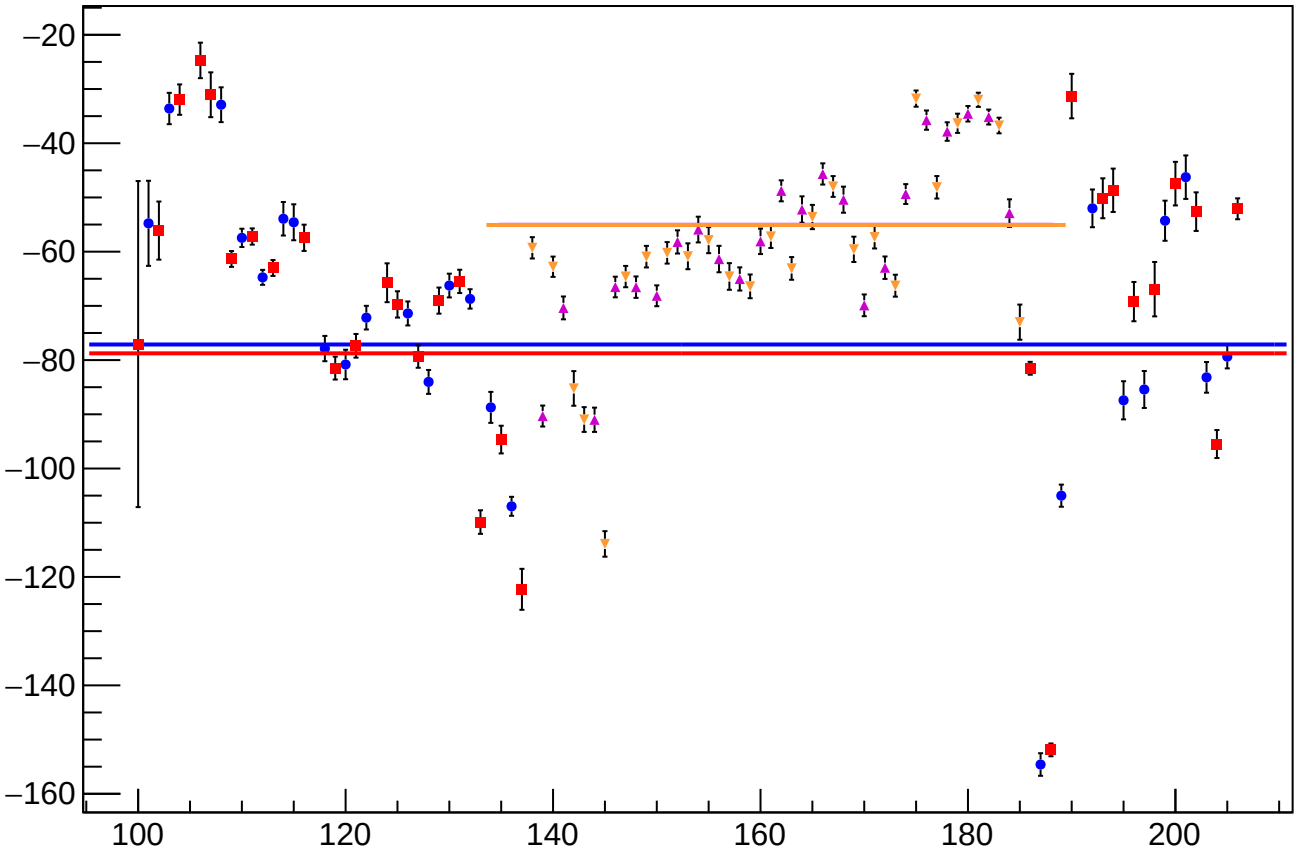
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 84.657+/-0.031 χ^2/NDF: 1152139.9/54

In: 106.942+/-0.028 χ^2/NDF:439843.8/47

Out: 97.679+/-0.026 χ^2/NDF:1500753.8/53

All: 102.037+/-0.019 χ^2/NDF: 1998461.9/101



Right In: -77.122+/-0.476 χ^2/NDF: 2862.4/24

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -78.754+/-0.411 χ^2/NDF: 6163.0/29

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

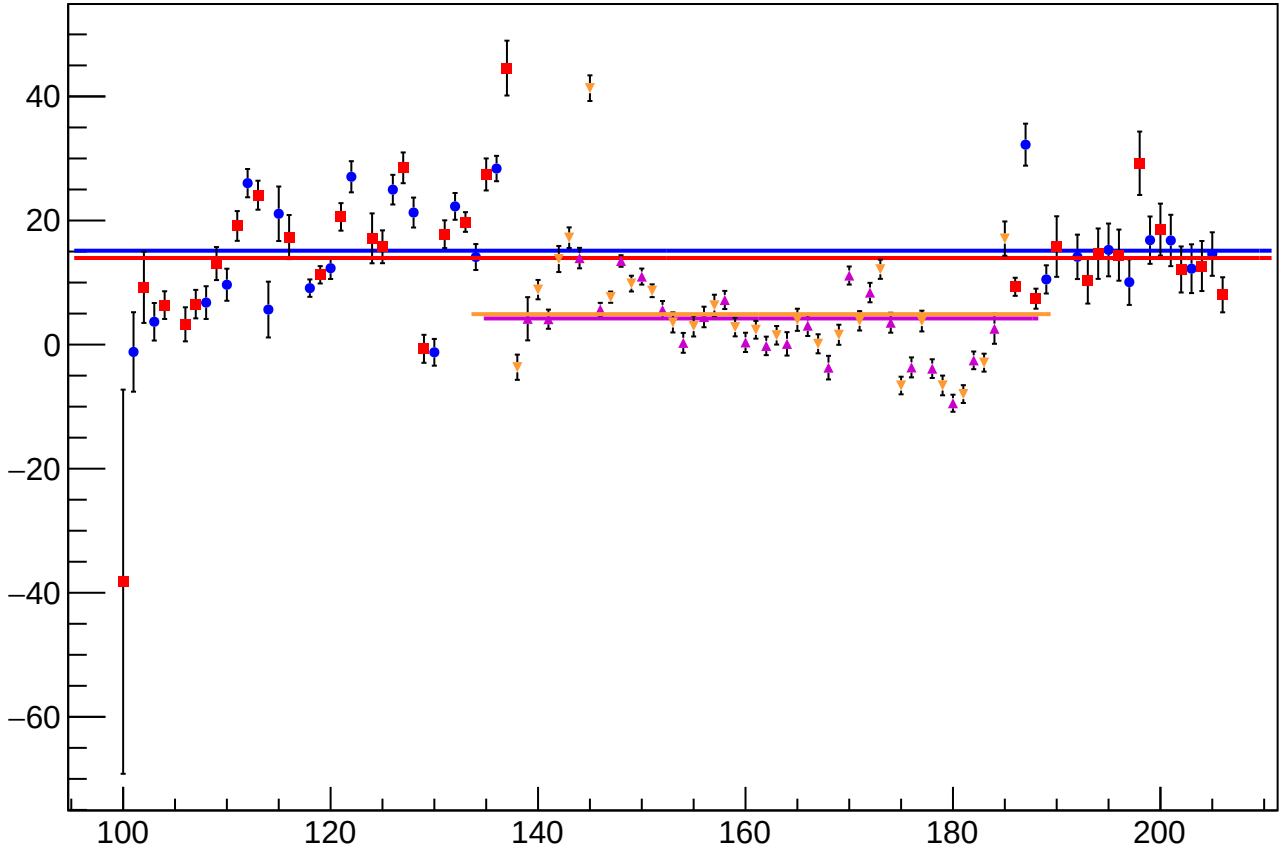
Right: -78.056+/-0.311 χ^2/NDF: 9032.1/54

In: -64.456+/-0.311 χ^2/NDF:5636.4/47

Out: -66.598+/-0.287 χ^2/NDF:9866.0/54

All: -65.612+/-0.211 χ^2/NDF: 15528.0/102

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.136+/-0.518 χ^2/NDF: 275.0/24

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.957+/-0.464 χ^2/NDF: 289.5/29

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

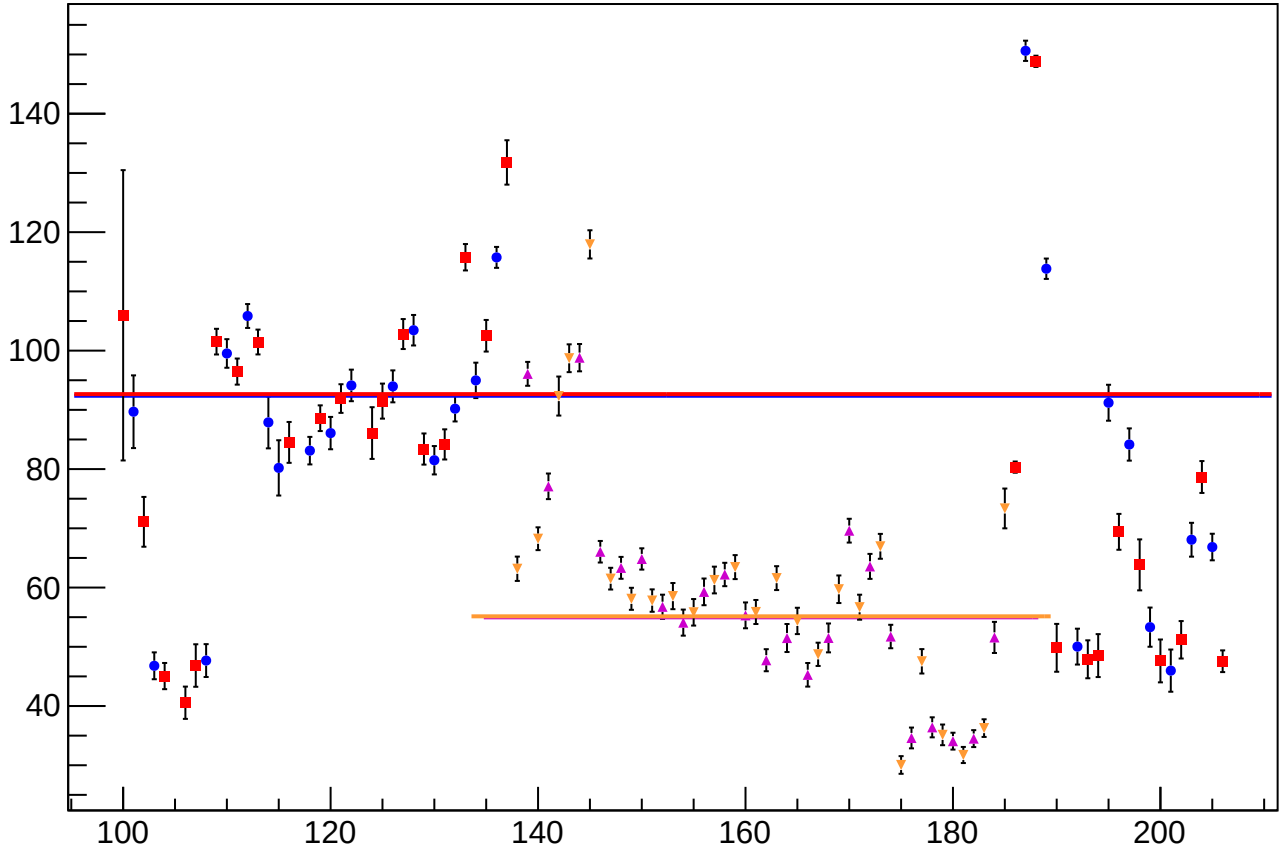
Right: 14.481+/-0.345 χ^2/NDF: 567.4/54

In: 7.126+/-0.267 χ^2/NDF:1015.9/47

Out: 7.597+/-0.253 χ^2/NDF:1298.6/54

All: 7.375+/-0.184 χ^2/NDF: 2316.2/102

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 92.384+/-0.502 χ^2/NDF: 2994.5/24

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.657+/-0.413 χ^2/NDF: 6532.9/29

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

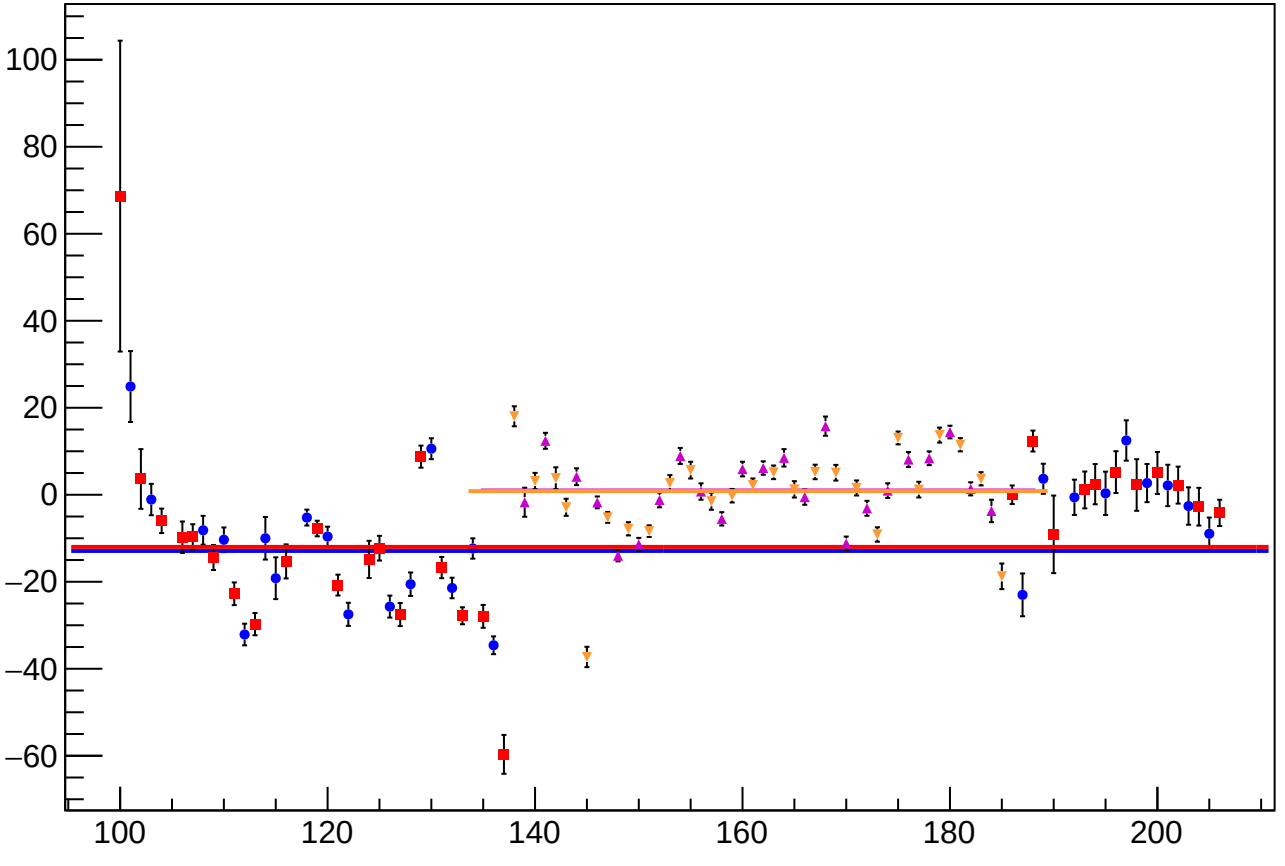
Right: 92.547+/-0.319 χ^2/NDF: 9527.6/54

In: 69.731+/-0.316 χ^2/NDF:8131.5/47

Out: 73.155+/-0.286 χ^2/NDF:13065.0/54

All: 71.610+/-0.212 χ^2/NDF: 21261.1/102

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.908+/-0.603 χ^2/NDF: 504.1/24

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.983+/-0.554 χ^2/NDF: 629.7/29

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

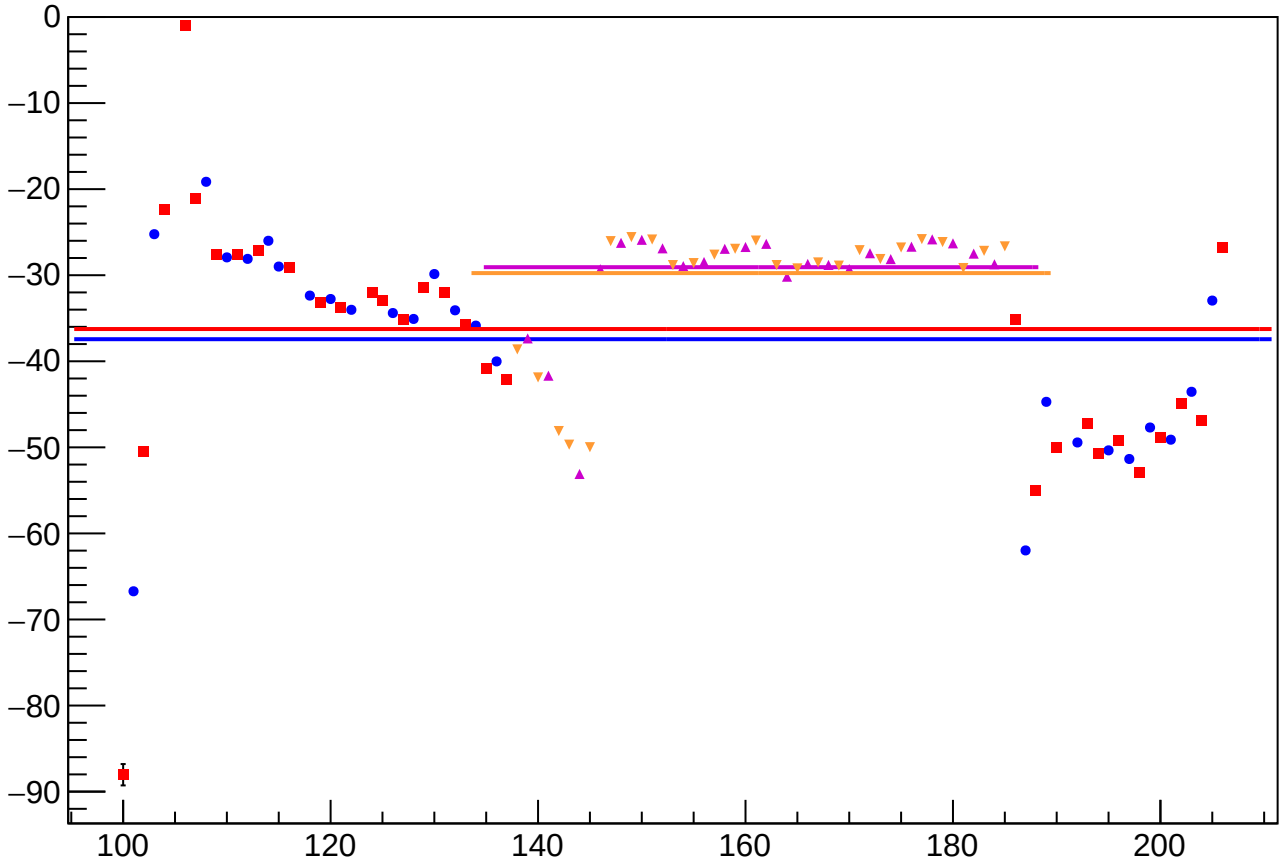
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.407+/-0.408 χ^2/NDF: 1135.1/54

In: -2.572+/-0.305 χ^2/NDF:1457.8/47

Out: -2.707+/-0.292 χ^2/NDF:1733.8/54

All: -2.643+/-0.211 χ^2/NDF: 3191.6/102



Right In: -37.435+/-0.031 χ^2/NDF: 111725.4/24

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.253+/-0.029 χ^2/NDF: 212593.4/29

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

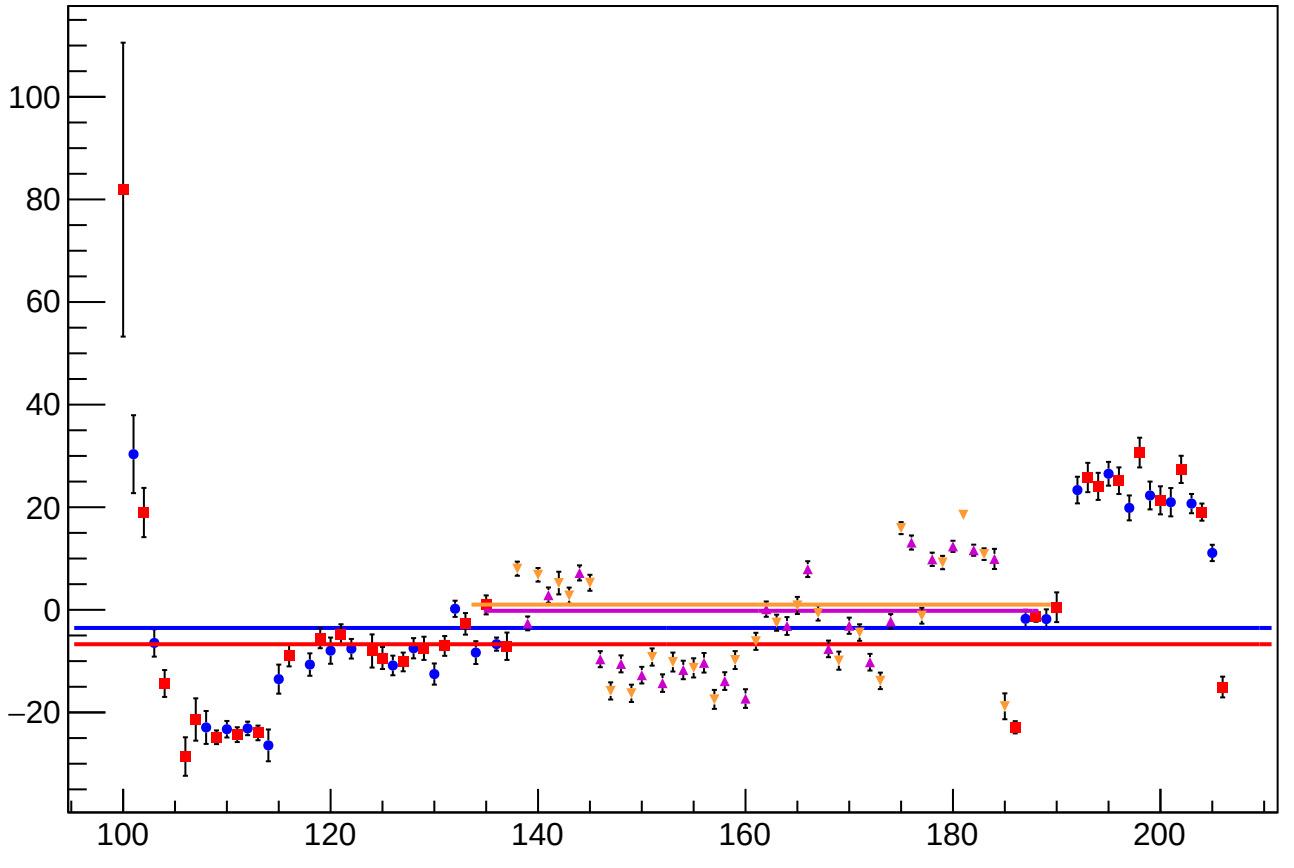
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.806+/-0.021 χ^2/NDF: 325111.4/54

In: -30.826+/-0.014 χ^2/NDF:272266.0/47

Out: -31.229+/-0.014 χ^2/NDF:415679.5/54

All: -31.033+/-0.010 χ^2/NDF: 688368.1/102



Right In: -3.533+/-0.405 χ^2/NDF: 1355.9/24

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.709+/-0.364 χ^2/NDF: 1928.0/29

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

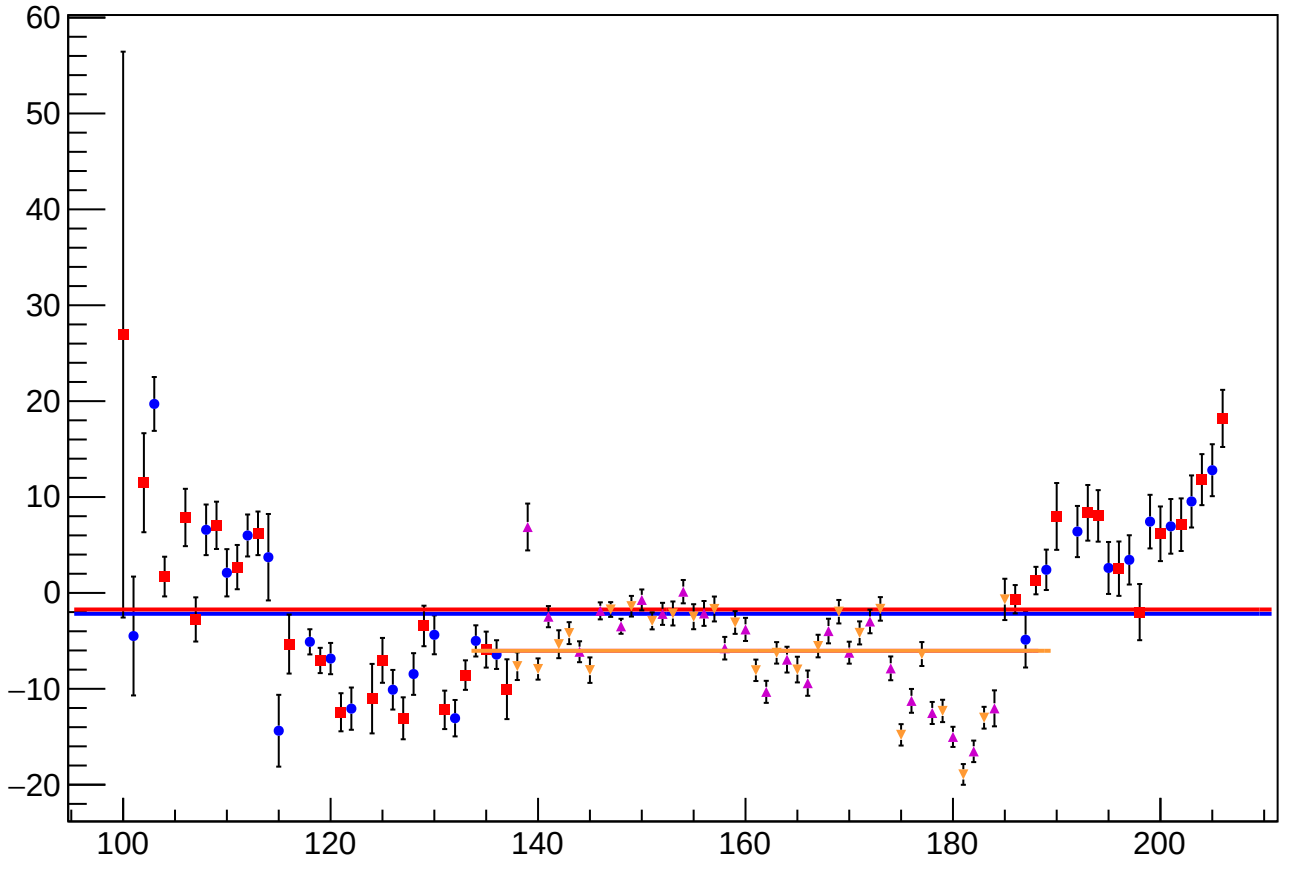
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -5.288+/-0.271 χ^2/NDF: 3317.9/54

In: -1.449+/-0.248 χ^2/NDF:2381.1/47

Out: -2.166+/-0.234 χ^2/NDF:3527.6/54

All: -1.829+/-0.170 χ^2/NDF: 5913.1/102



Right In: -2.175+/-0.446 χ^2/NDF: 297.7/24

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.728+/-0.414 χ^2/NDF: 323.4/29

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

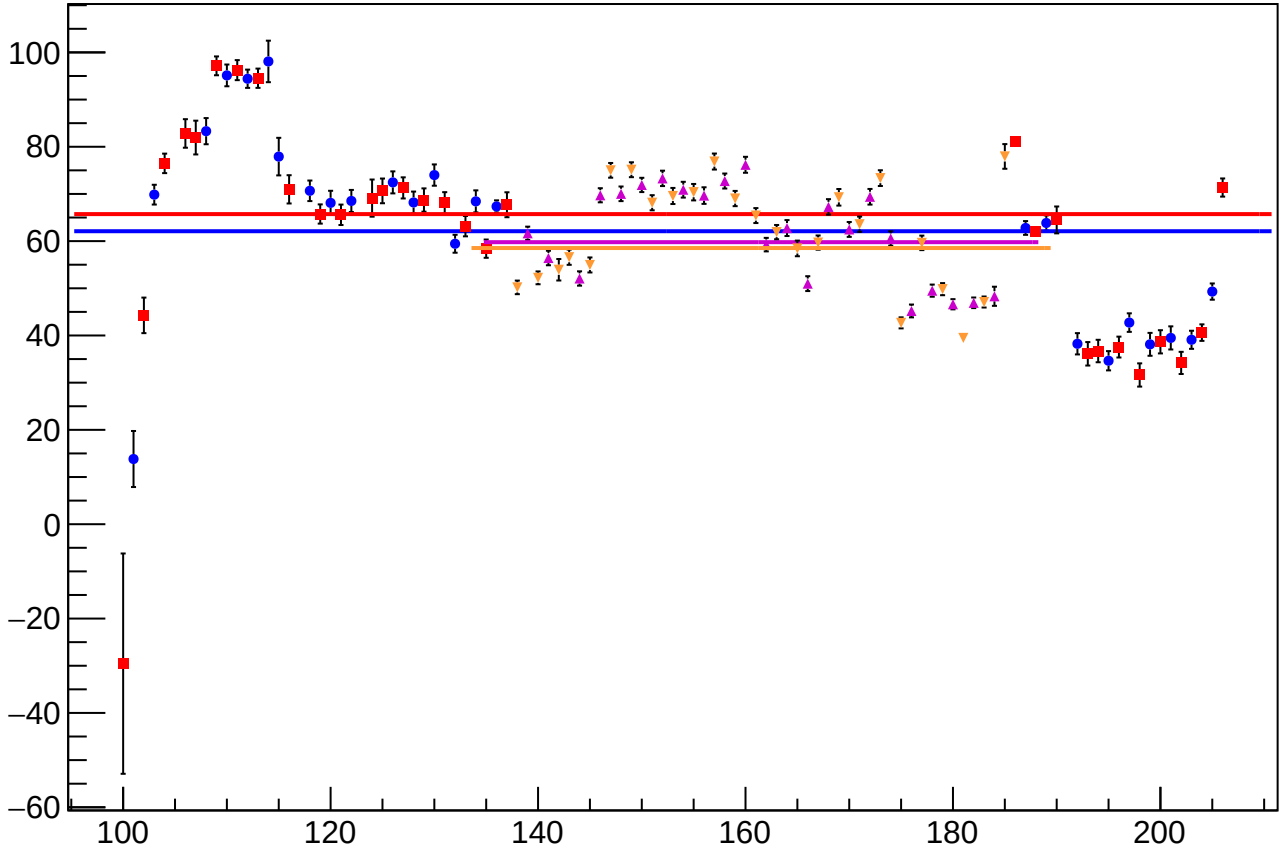
Right: -1.935+/-0.303 χ^2/NDF: 621.6/54

In: -5.158+/-0.213 χ^2/NDF:752.0/47

Out: -4.997+/-0.203 χ^2/NDF:820.5/54

All: -5.073+/-0.147 χ^2/NDF: 1572.8/102

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 62.099+/-0.422 χ^2/NDF: 1586.2/24

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.728+/-0.365 χ^2/NDF: 2251.2/29

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

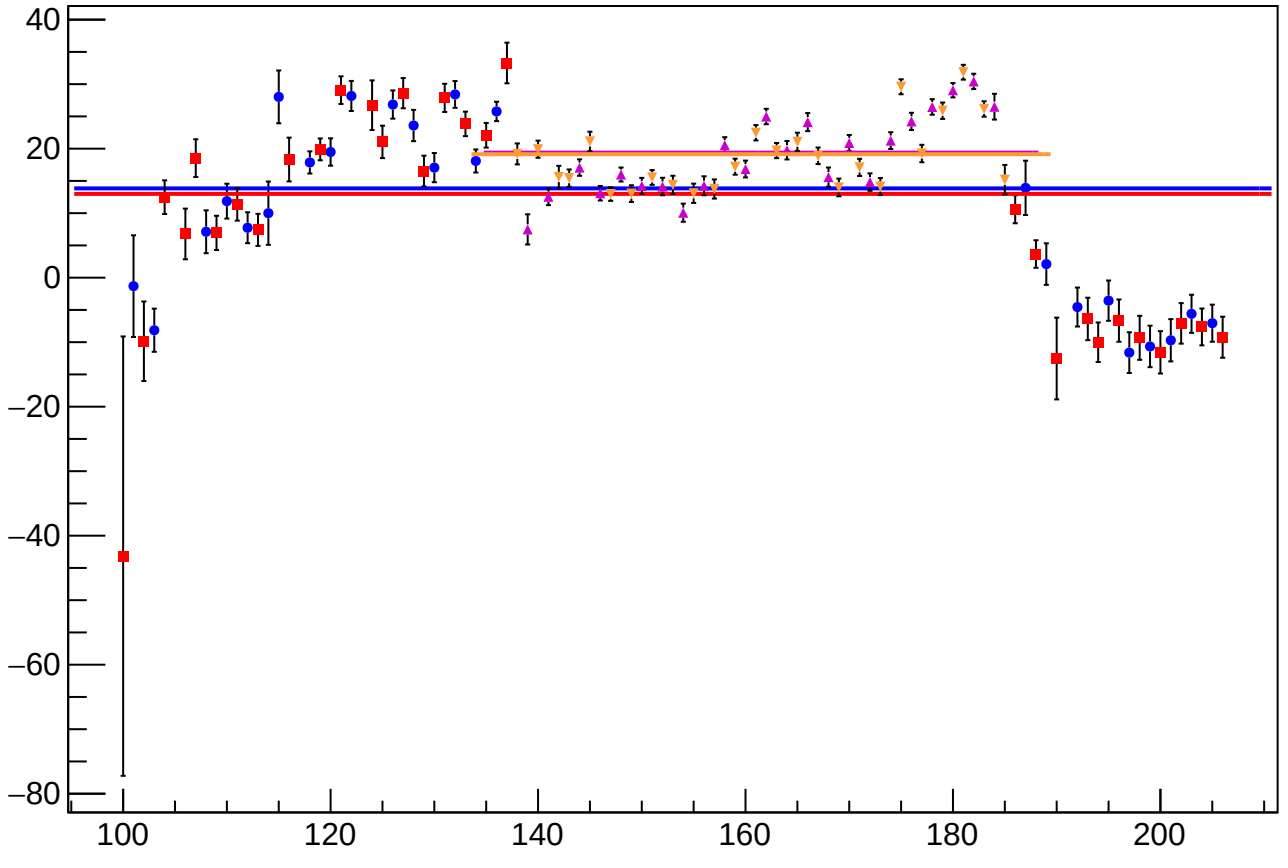
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 64.175+/-0.276 χ^2/NDF: 3879.8/54

In: 60.597+/-0.251 χ^2/NDF:2676.4/47

Out: 61.473+/-0.233 χ^2/NDF:3930.6/54

All: 61.067+/-0.171 χ^2/NDF: 6613.5/102



Right In: 13.840+/-0.512 χ^2/NDF: 645.3/24

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.990+/-0.490 χ^2/NDF: 725.6/29

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

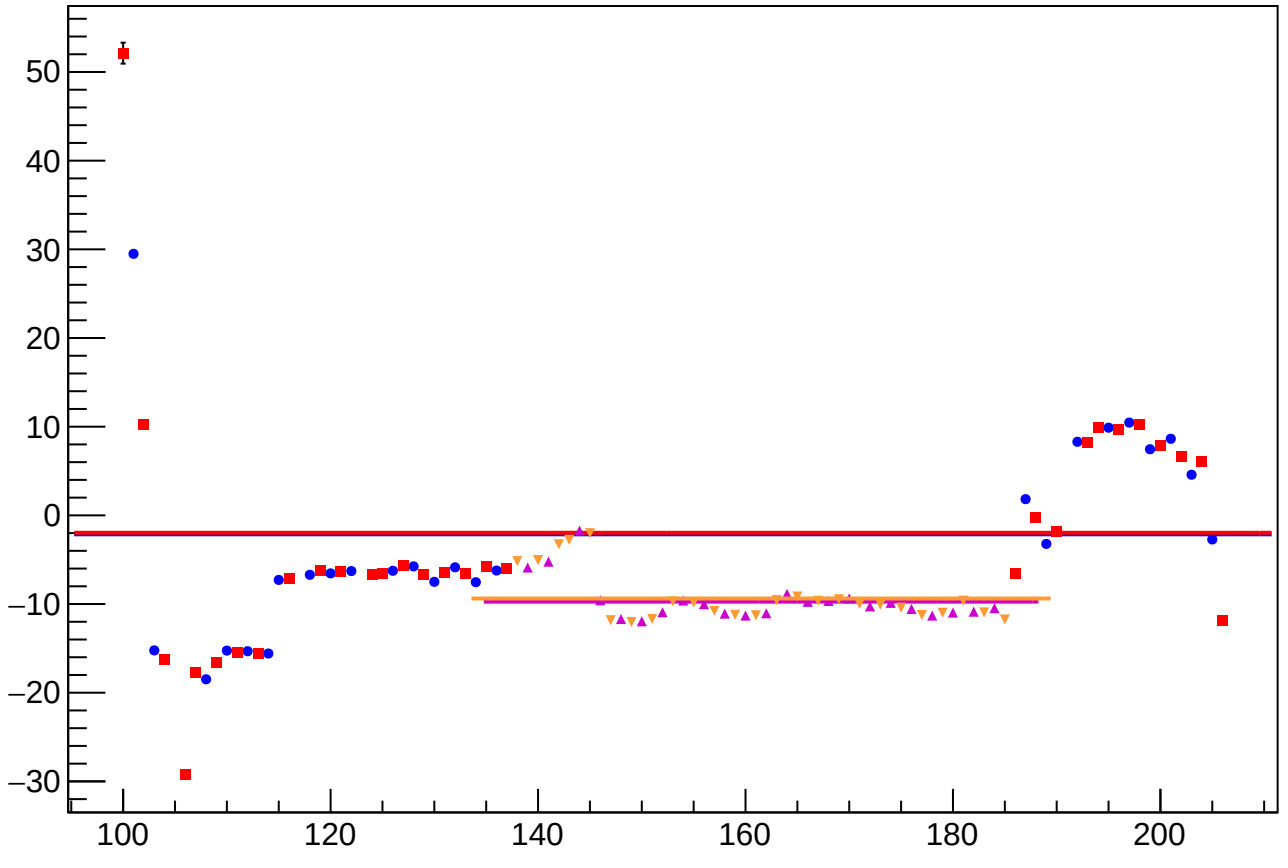
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 13.396+/-0.354 χ^2/NDF: 1372.3/54

In: 18.158+/-0.241 χ^2/NDF:1204.3/47

Out: 17.754+/-0.232 χ^2/NDF:1281.4/54

All: 17.948+/-0.167 χ^2/NDF: 2487.2/102



Right In: -2.135+/-0.024 χ^2/NDF: 149287.9/24

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.964+/-0.024 χ^2/NDF: 193718.4/29

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

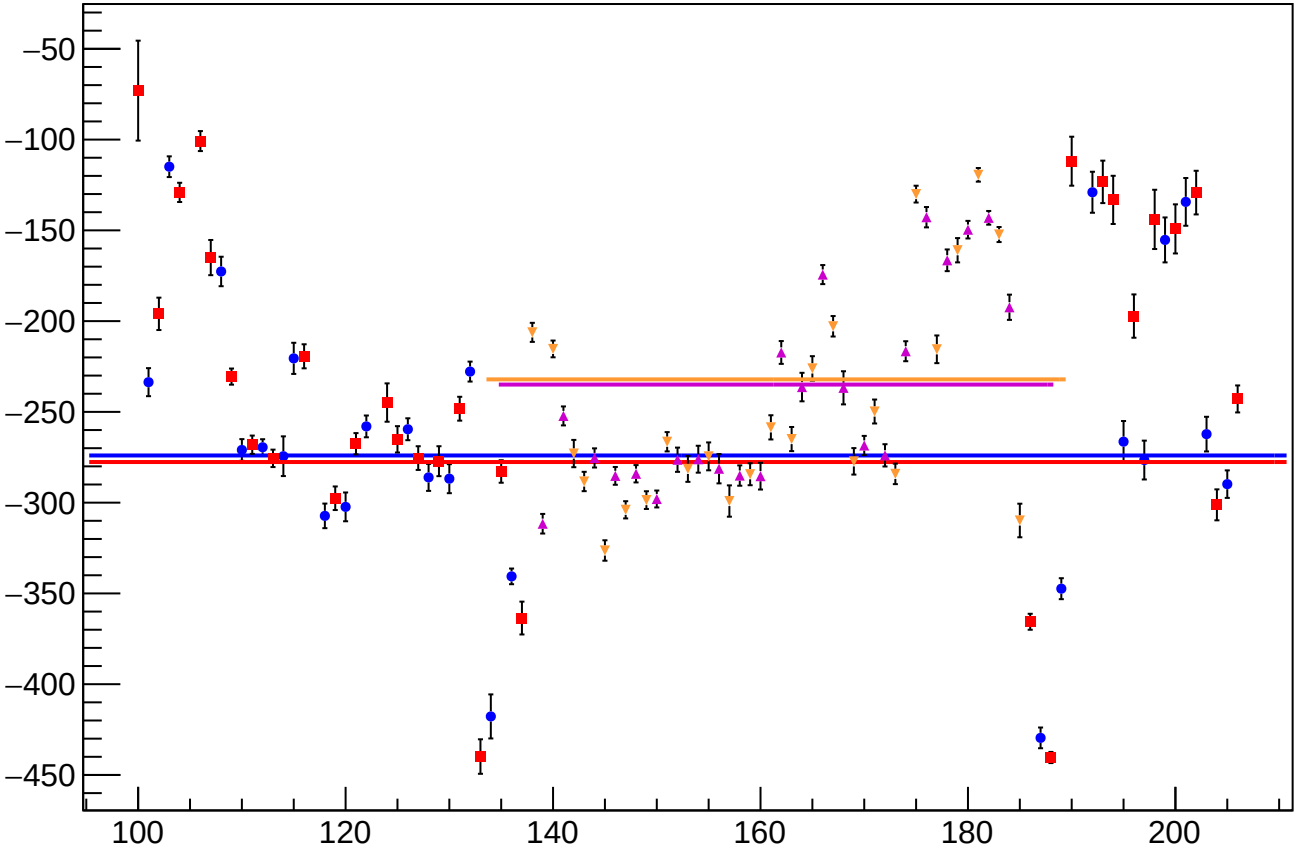
Right: -2.047+/-0.017 χ^2/NDF: 343031.6/54

In: -8.232+/-0.011 χ^2/NDF:258555.3/47

Out: -7.892+/-0.011 χ^2/NDF:321500.9/54

All: -8.058+/-0.008 χ^2/NDF: 580557.0/102

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -274.009+/-1.401 χ^2/NDF: 2783.9/24

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -277.619+/-1.219 χ^2/NDF: 6757.9/29

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

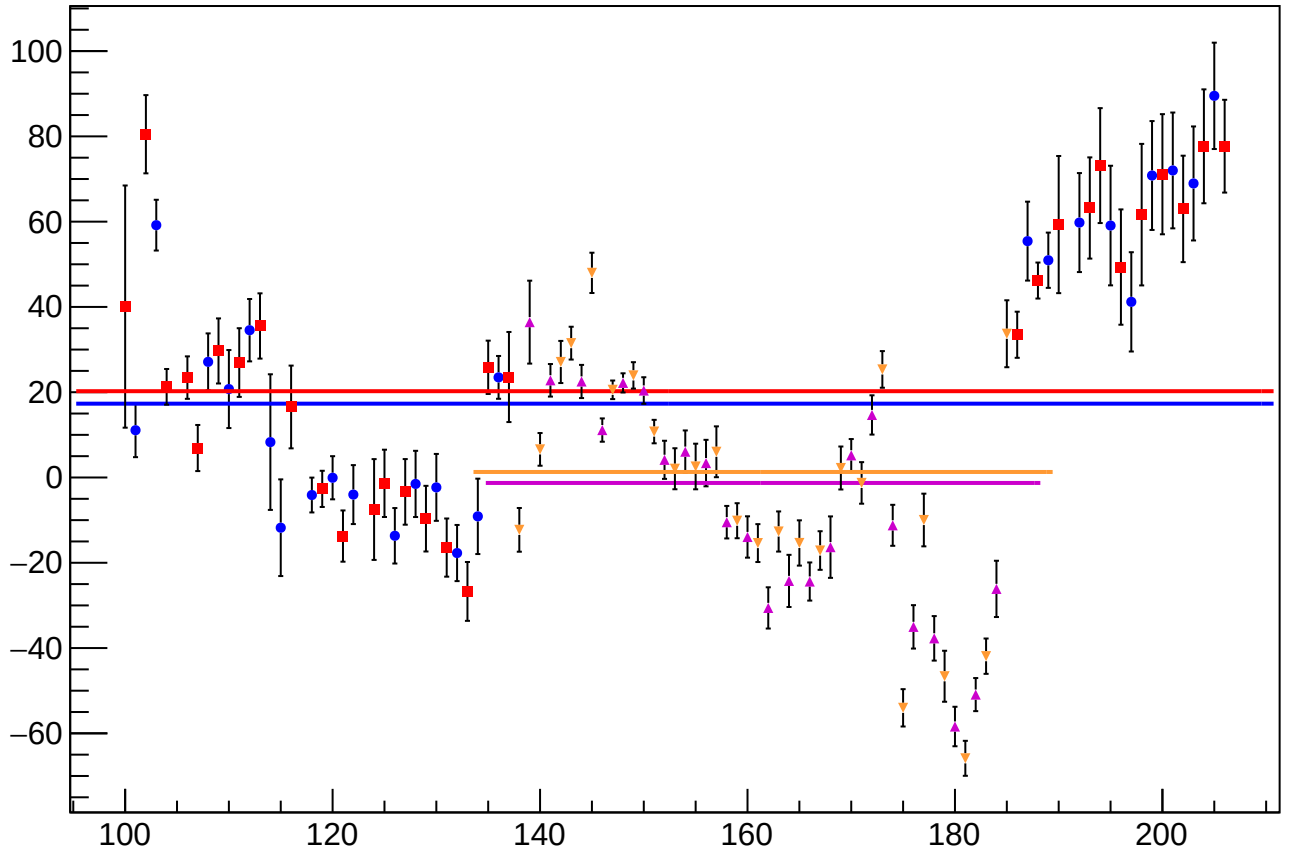
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.062+/-0.920 χ^2/NDF: 9545.5/54

In: -251.094+/-0.901 χ^2/NDF:5710.2/47

Out: -253.383+/-0.834 χ^2/NDF:10769.8/54

All: -252.326+/-0.612 χ^2/NDF: 16483.5/102



Right In: 17.314+/-1.492 χ^2/NDF: 340.2/24

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 20.240+/-1.332 χ^2/NDF: 391.5/29

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

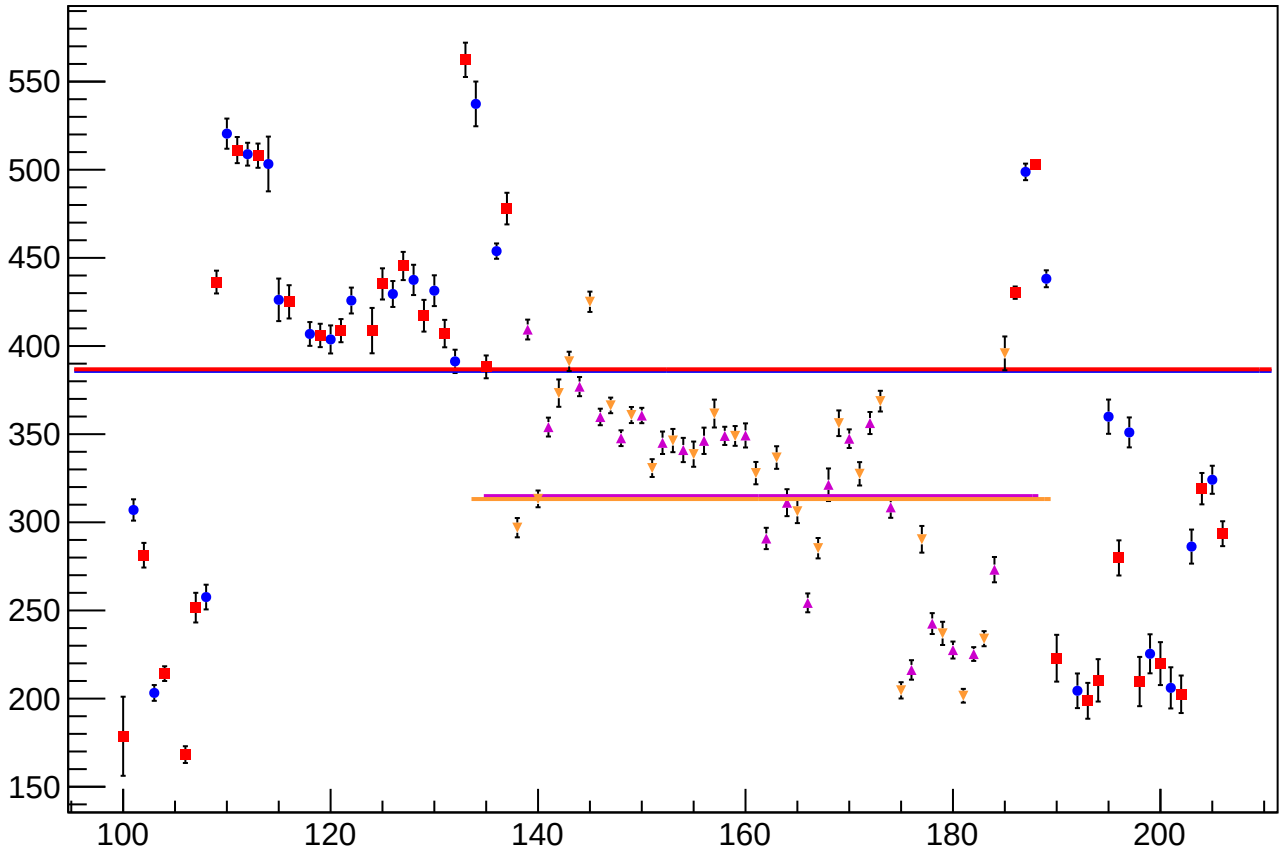
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 18.943+/-0.994 χ^2/NDF: 733.8/54

In: 3.426+/-0.751 χ^2/NDF:1267.3/47

Out: 6.658+/-0.709 χ^2/NDF:1586.0/54

All: 5.135+/-0.515 χ^2/NDF: 2863.1/102



Right In: 385.892+/-1.421 χ^2/NDF: 5050.6/24

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.789+/-1.194 χ^2/NDF: 9695.7/29

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

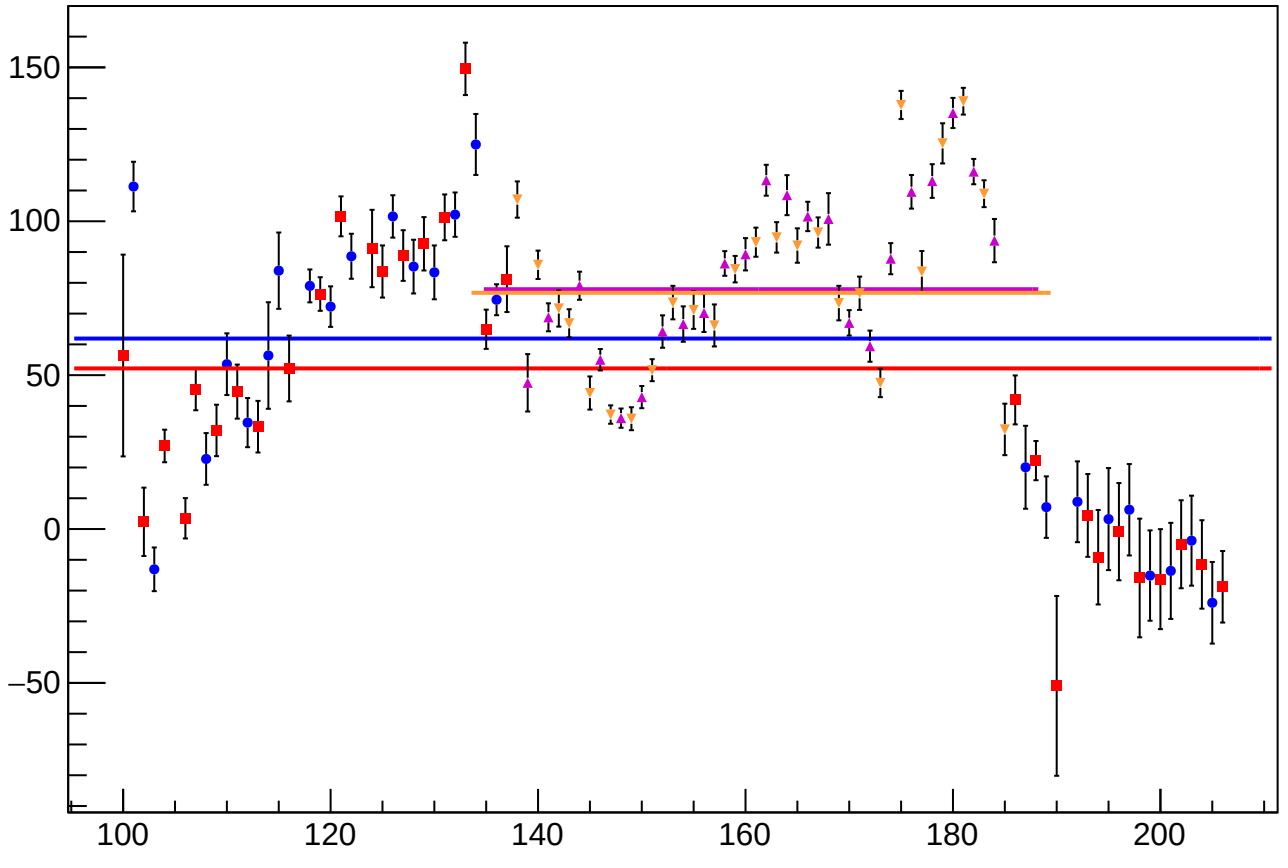
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 386.417+/-0.914 χ^2/NDF: 14746.5/54

In: 343.307+/-0.899 χ^2/NDF:8977.4/47

Out: 348.092+/-0.822 χ^2/NDF:14828.6/54

All: 345.913+/-0.607 χ^2/NDF: 23821.4/102



Right In: 61.892+/-1.750 χ^2/NDF: 532.6/24

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 52.187+/-1.602 χ^2/NDF: 618.2/29

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

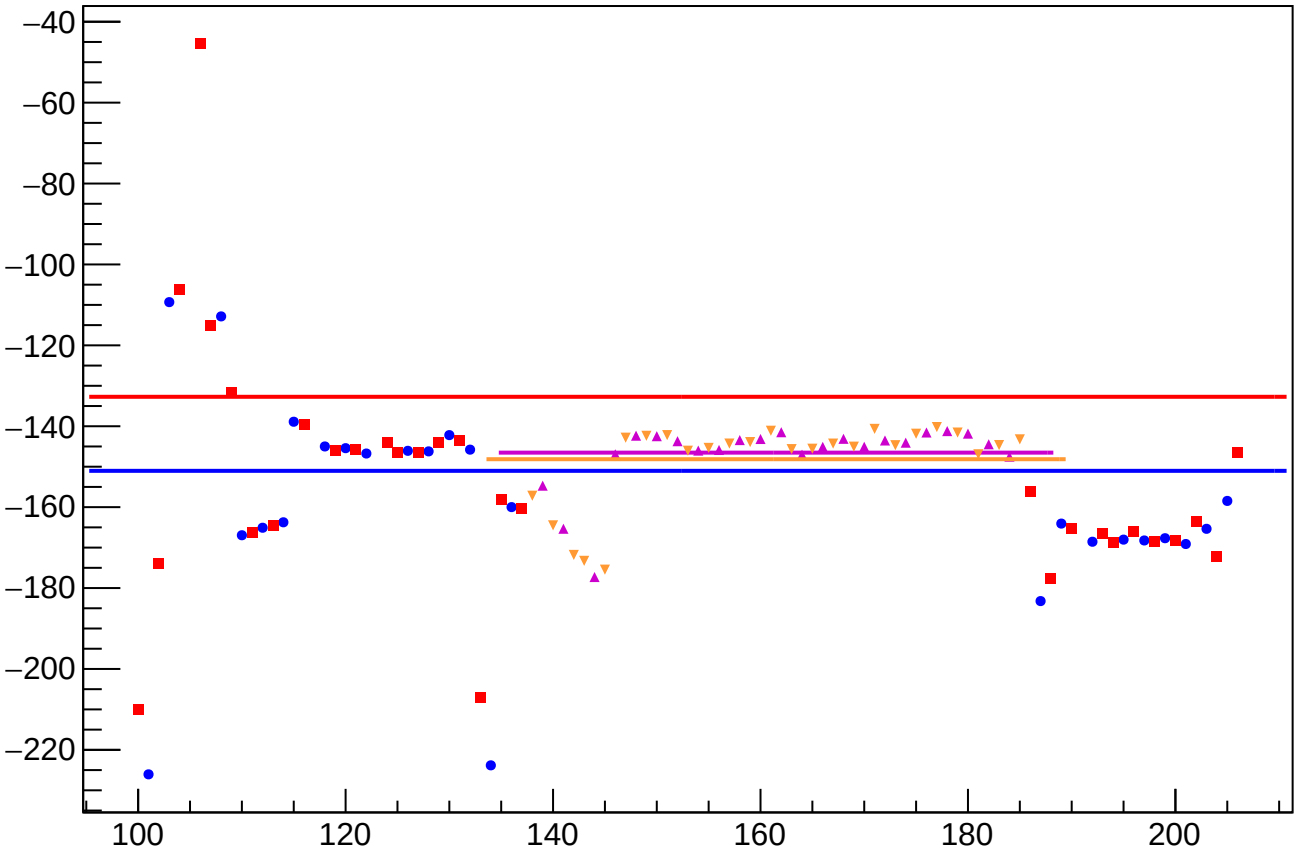
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 56.613+/-1.182 χ^2/NDF: 1167.5/54

In: 73.996+/-0.866 χ^2/NDF:1379.8/47

Out: 70.202+/-0.828 χ^2/NDF:1826.0/54

All: 72.013+/-0.598 χ^2/NDF: 3215.8/102



Right In: -151.023+/-0.085 χ^2/NDF: 146121.2/24

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.718+/-0.076 χ^2/NDF: 348278.8/29

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

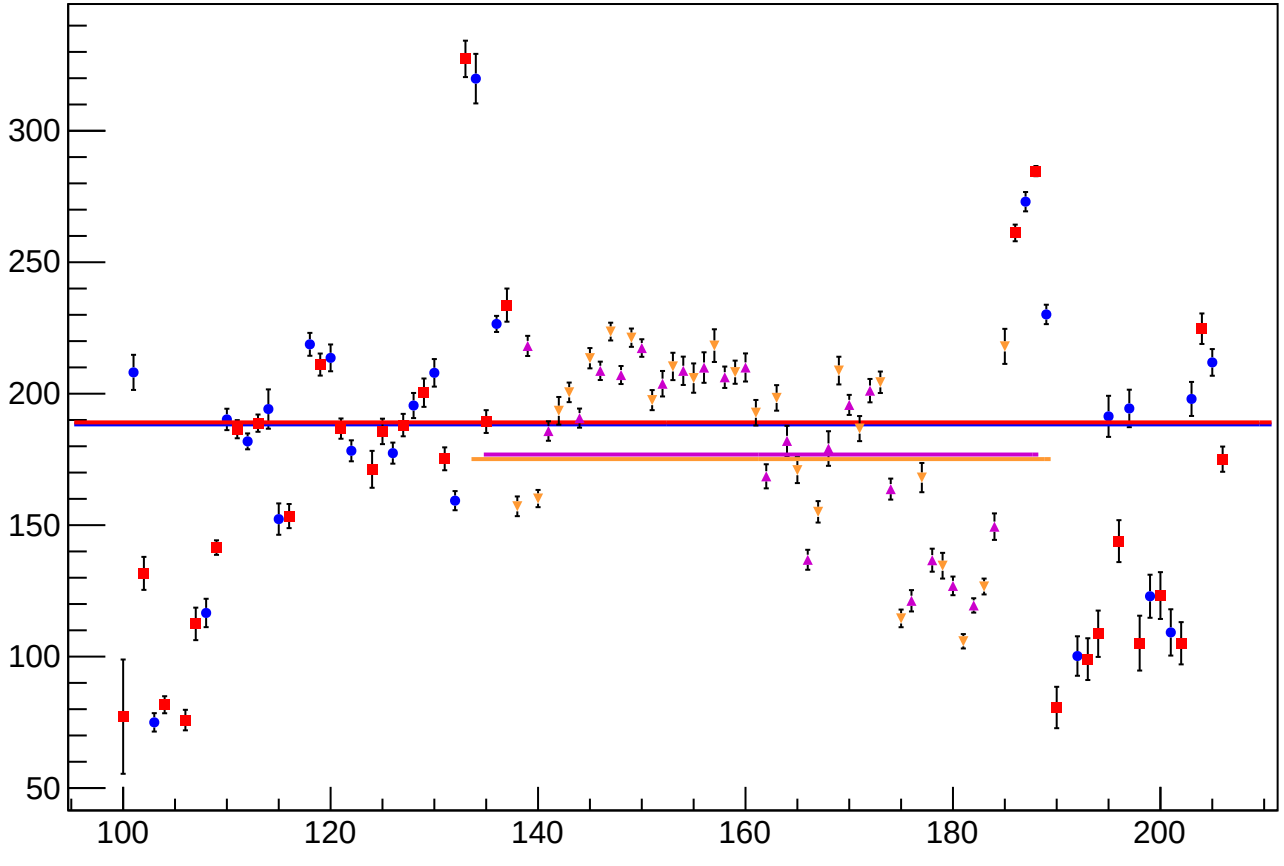
Right: -140.845+/-0.056 χ^2/NDF: 520395.8/54

In: -147.533+/-0.040 χ^2/NDF:177484.9/47

Out: -144.103+/-0.039 χ^2/NDF:427889.4/54

All: -145.758+/-0.028 χ^2/NDF: 609157.9/102

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.326+/-0.938 χ^2/NDF: 2758.7/24

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.085+/-0.807 χ^2/NDF: 6724.8/29

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

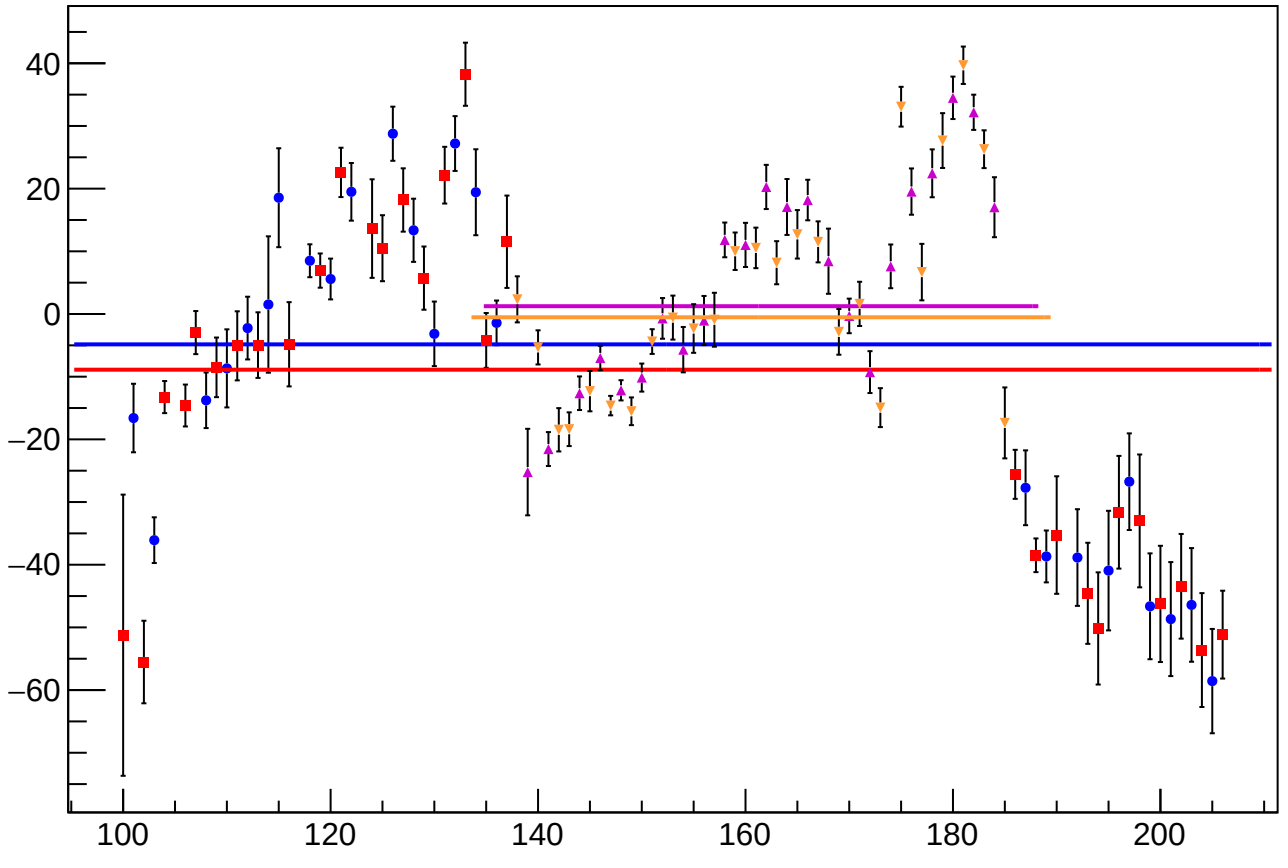
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.763+/-0.612 χ^2/NDF: 9483.8/54

In: 182.008+/-0.629 χ^2/NDF:4597.0/47

Out: 182.235+/-0.576 χ^2/NDF:9166.9/54

All: 182.132+/-0.425 χ^2/NDF: 13763.9/102



Right In: -4.844+/-0.998 χ^2/NDF: 530.5/24

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.886+/-0.877 χ^2/NDF: 657.8/29

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

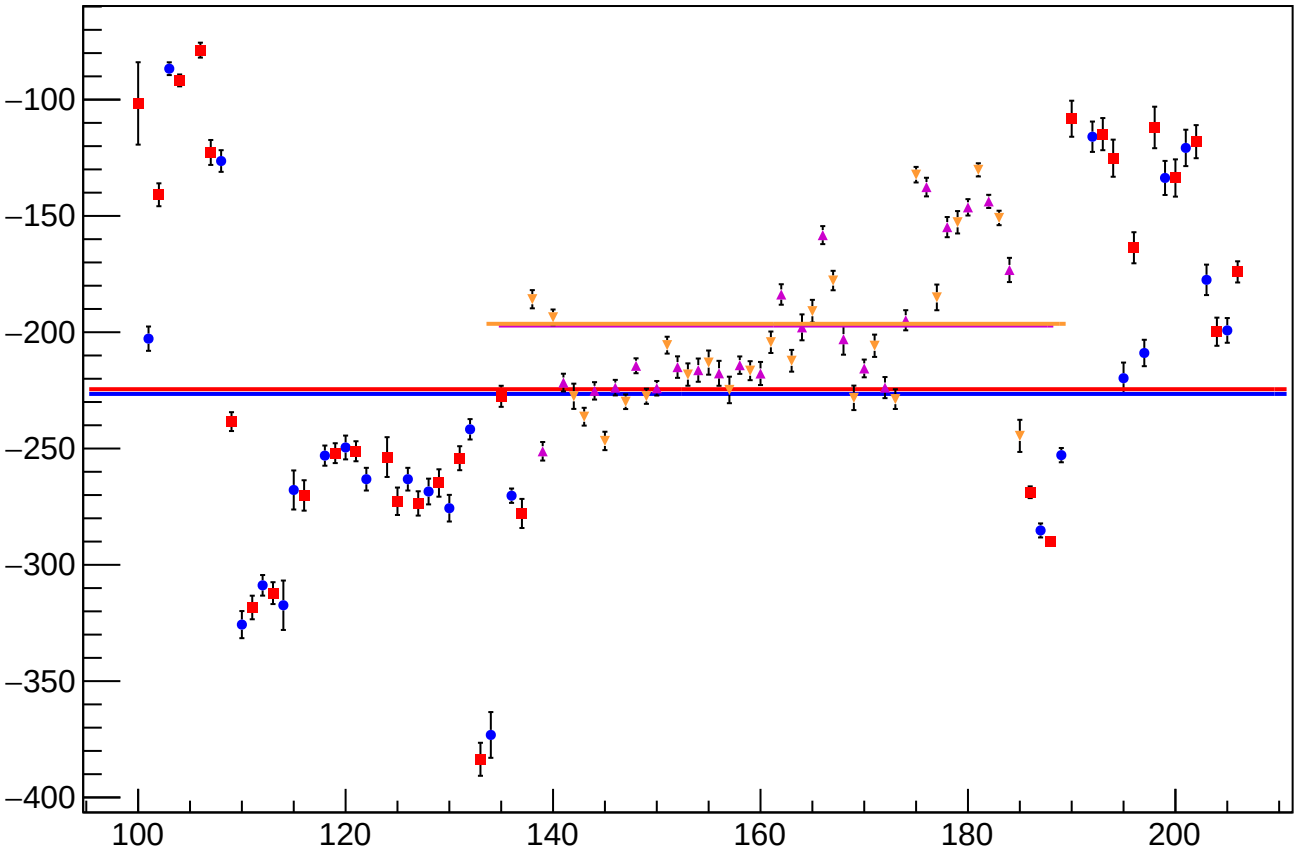
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -7.124+/-0.659 χ^2/NDF: 1197.6/54

In: -0.472+/-0.530 χ^2/NDF:1177.8/47

Out: -3.192+/-0.496 χ^2/NDF:1444.1/54

All: -1.923+/-0.362 χ^2/NDF: 2636.0/102



Right In: -226.528+/-0.949 χ^2/NDF: 5714.0/24

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -224.492+/-0.787 χ^2/NDF: 10552.7/29

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

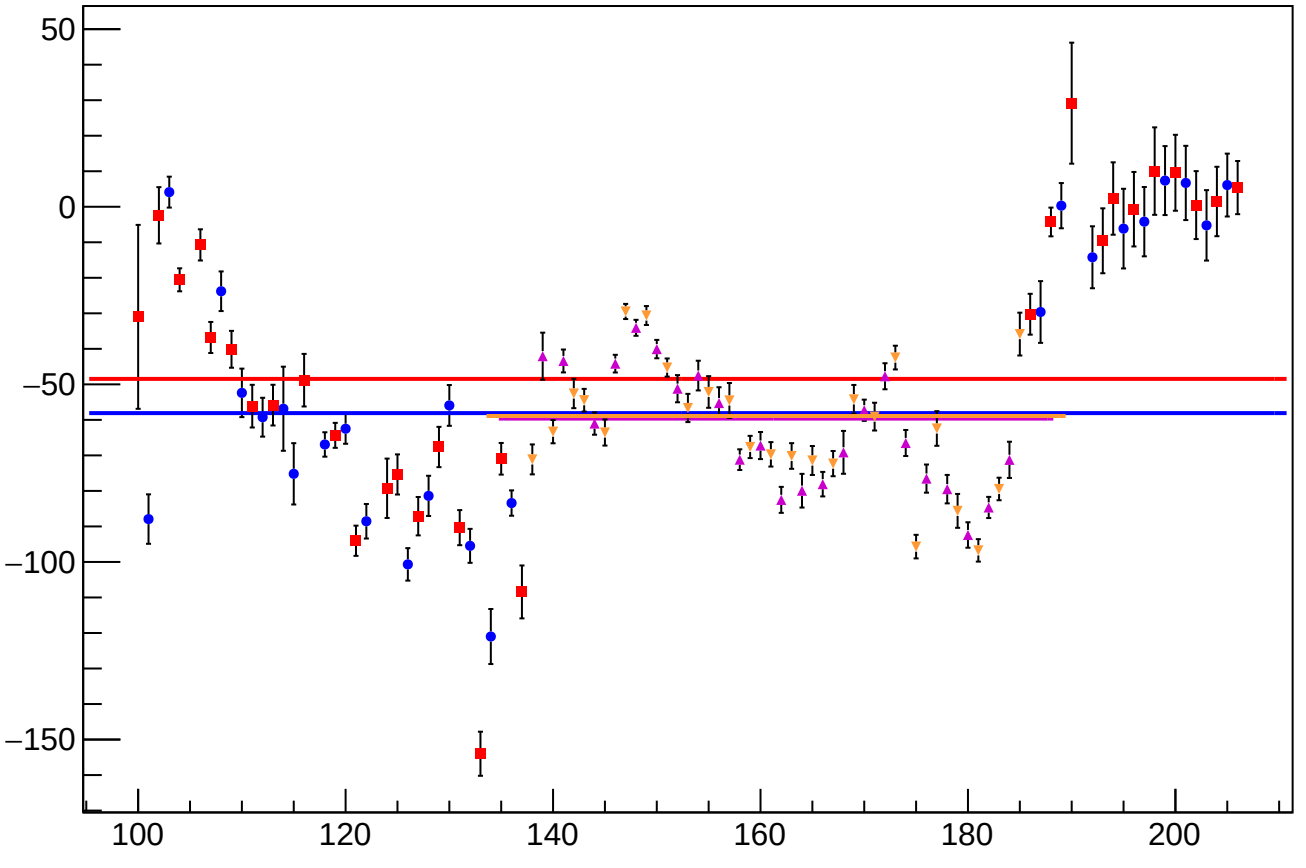
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -225.321+/-0.606 χ^2/NDF: 16269.4/54

In: -209.989+/-0.628 χ^2/NDF:7855.5/47

Out: -210.948+/-0.566 χ^2/NDF:13165.8/54

All: -210.518+/-0.420 χ^2/NDF: 21022.5/102



Right In: -58.095+/-1.175 χ^2/NDF: 930.3/24

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -48.463+/-1.058 χ^2/NDF: 1250.5/29

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

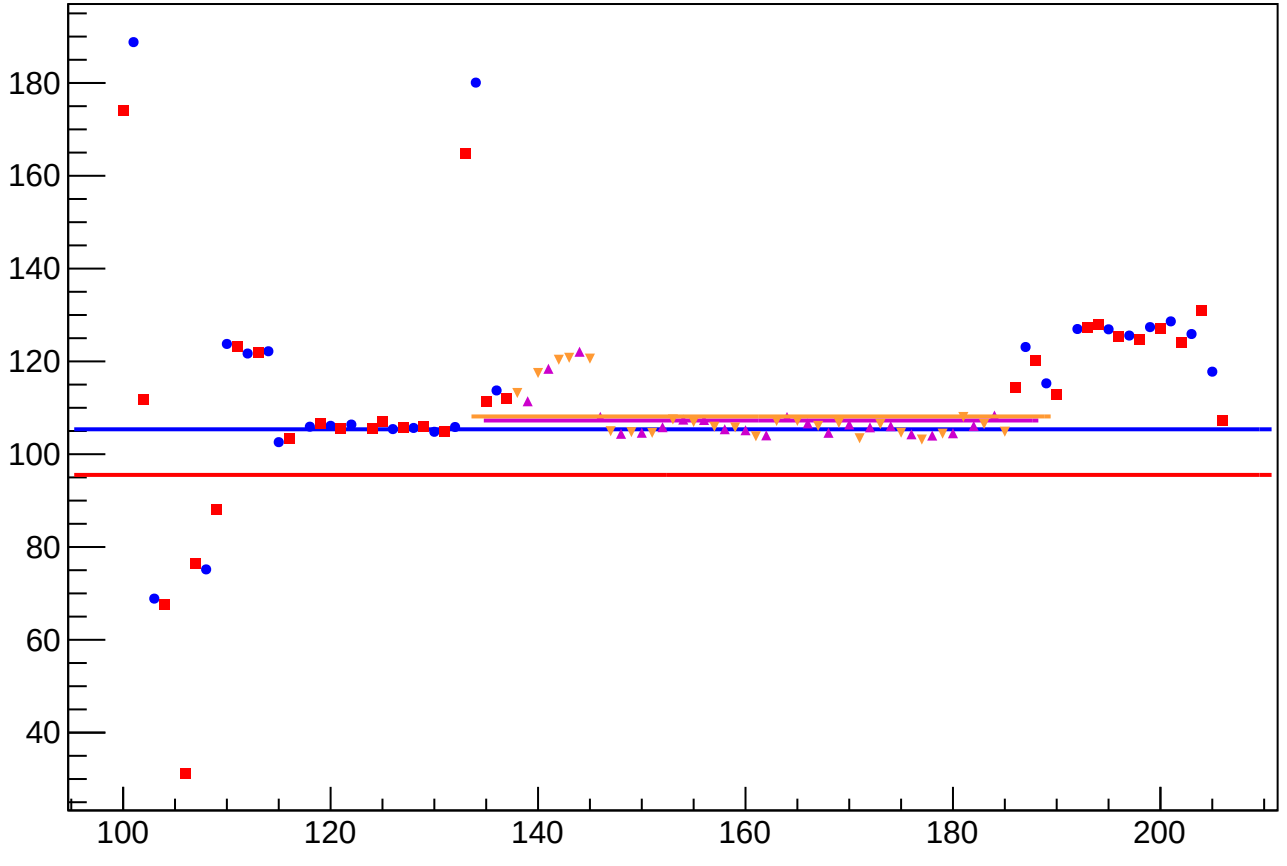
Right: -52.776+/-0.786 χ^2/NDF: 2218.0/54

In: -59.218+/-0.613 χ^2/NDF:1528.6/47

Out: -55.762+/-0.581 χ^2/NDF:2101.1/54

All: -57.397+/-0.422 χ^2/NDF: 3646.5/102

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.367+/-0.057 χ^2/NDF: 272168.2/24

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 95.538+/-0.051 χ^2/NDF: 387074.8/29

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

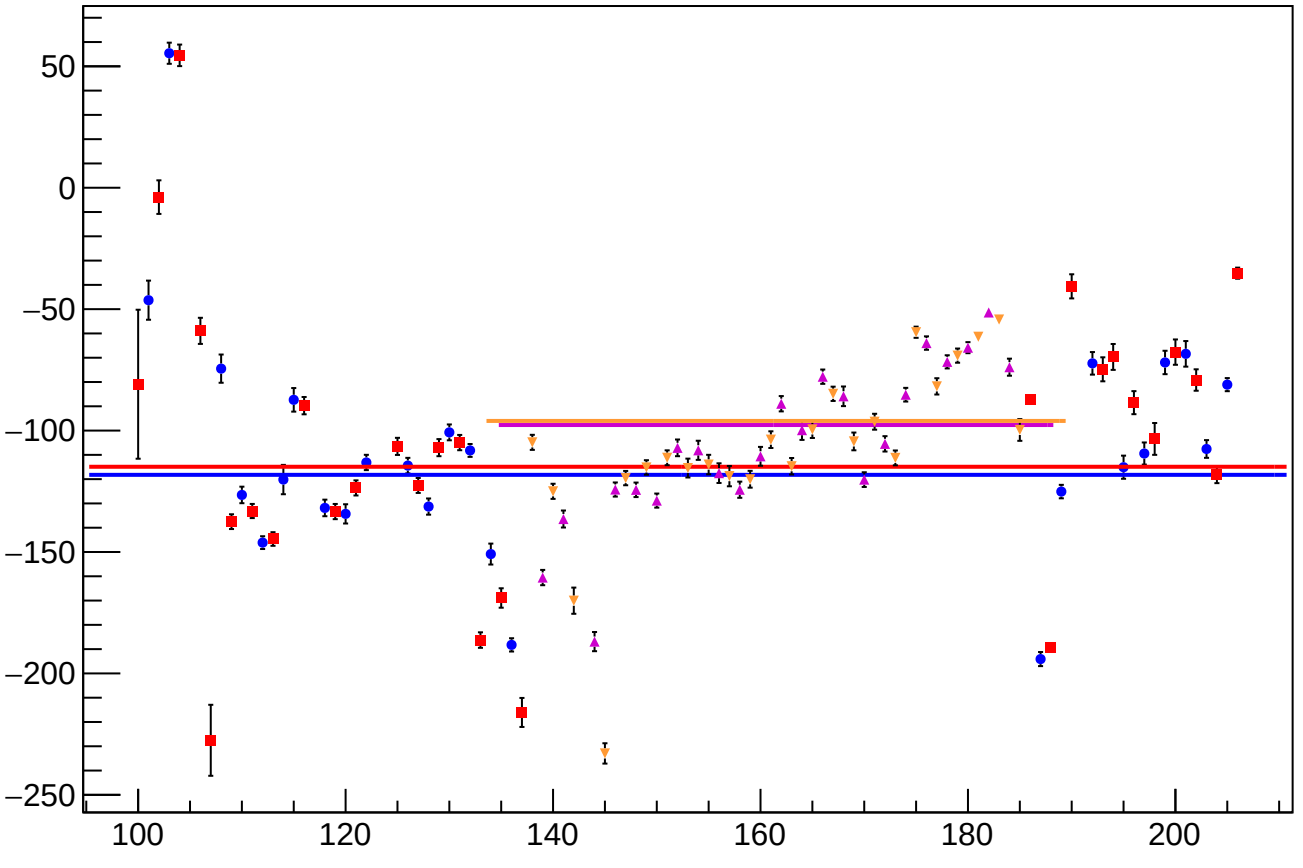
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 99.945+/-0.038 χ^2/NDF: 675892.1/54

In: 106.787+/-0.028 χ^2/NDF:289890.8/47

Out: 104.505+/-0.027 χ^2/NDF:456920.3/54

All: 105.605+/-0.020 χ^2/NDF: 750157.6/102



Right In: -118.228+/-0.718 χ^2/NDF: 3868.3/24

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -114.900+/-0.620 χ^2/NDF: 7311.5/28

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

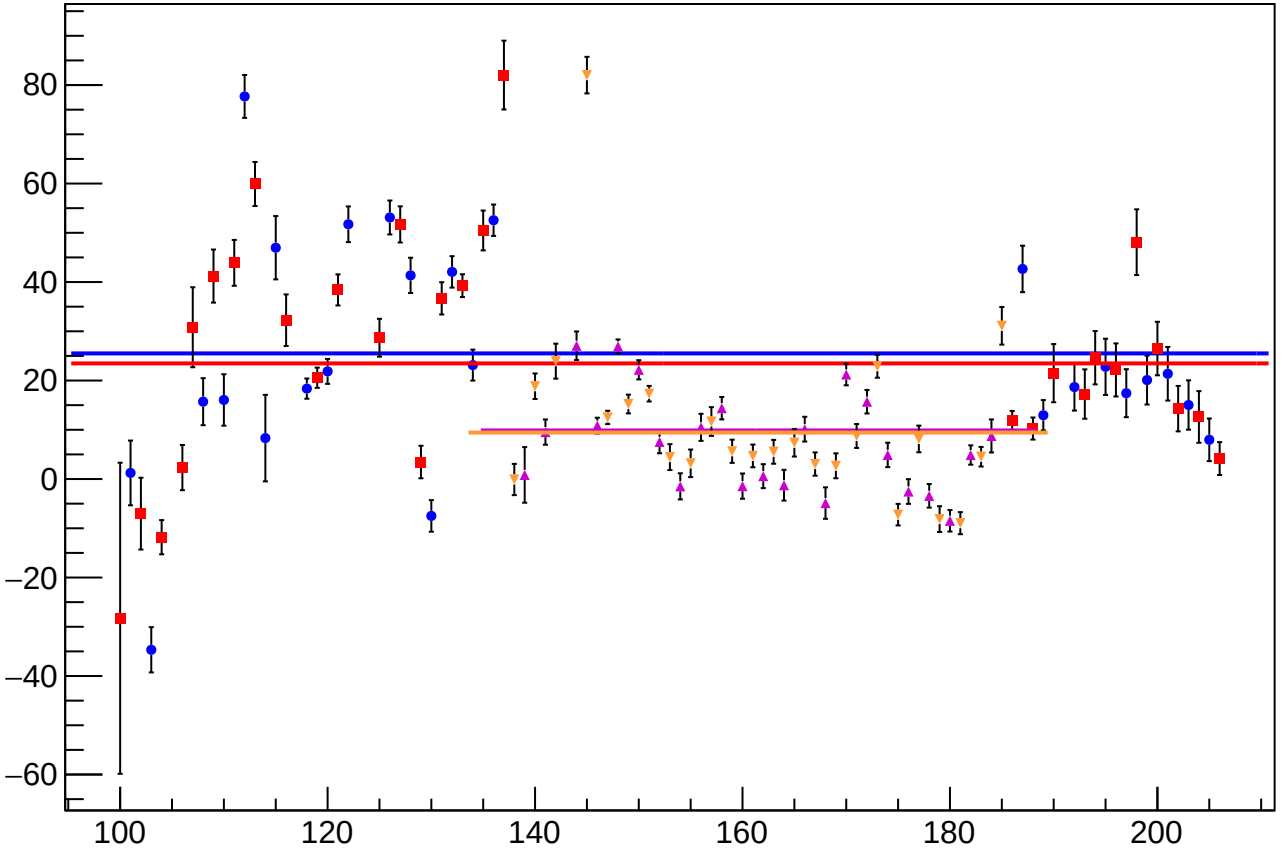
Right: -116.322+/-0.469 χ^2/NDF: 11192.0/53

In: -106.774+/-0.477 χ^2/NDF:6965.0/47

Out: -105.686+/-0.444 χ^2/NDF:10534.7/52

All: -106.191+/-0.325 χ^2/NDF: 17502.5/100

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.508+/-0.766 χ^2/NDF: 764.2/24

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.479+/-0.695 χ^2/NDF: 669.3/28

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

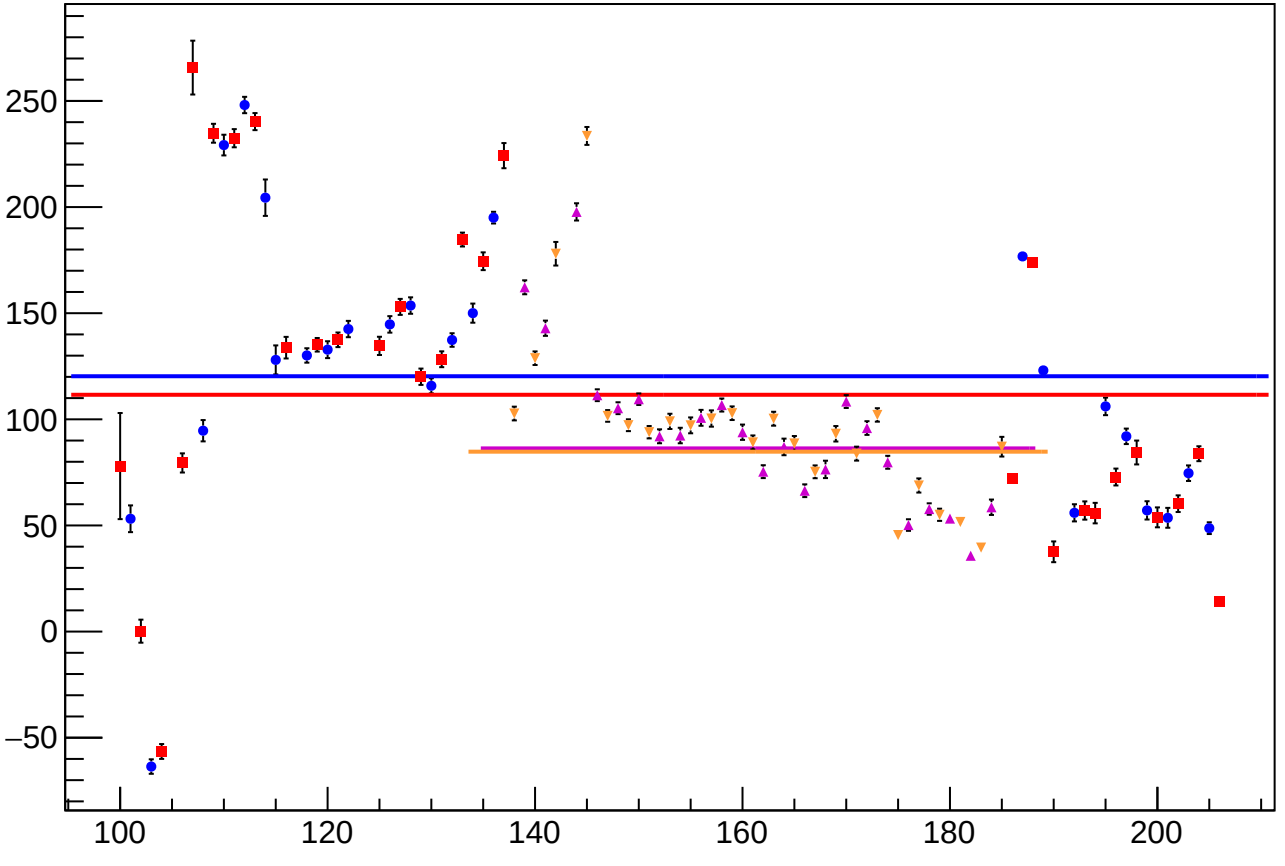
Right: 24.395+/-0.515 χ^2/NDF: 1437.4/53

In: 14.359+/-0.411 χ^2/NDF:1546.6/47

Out: 13.947+/-0.394 χ^2/NDF:1682.8/52

All: 14.145+/-0.284 χ^2/NDF: 3229.9/100

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 120.298+/-0.733 χ^2/NDF: 7837.8/24

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 111.565+/-0.598 χ^2/NDF: 13099.4/28

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

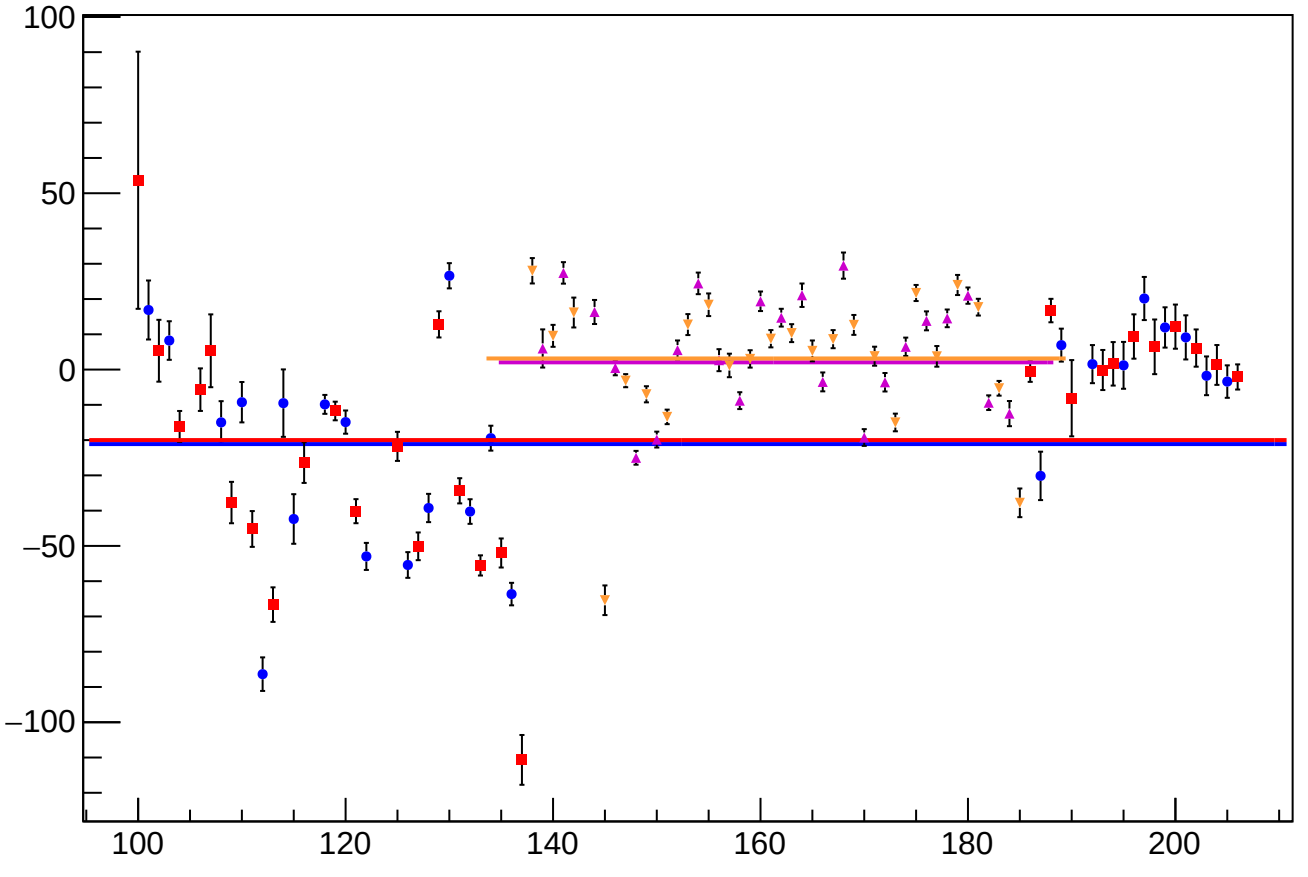
Right: 115.051+/-0.463 χ^2/NDF: 21022.4/53

In: 100.782+/-0.479 χ^2/NDF:12224.0/47

Out: 98.843+/-0.433 χ^2/NDF:17163.7/52

All: 99.717+/-0.321 χ^2/NDF: 29396.6/100

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.126+/-0.896 χ^2/NDF: 1035.2/24

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -19.992+/-0.836 χ^2/NDF: 1042.2/28

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

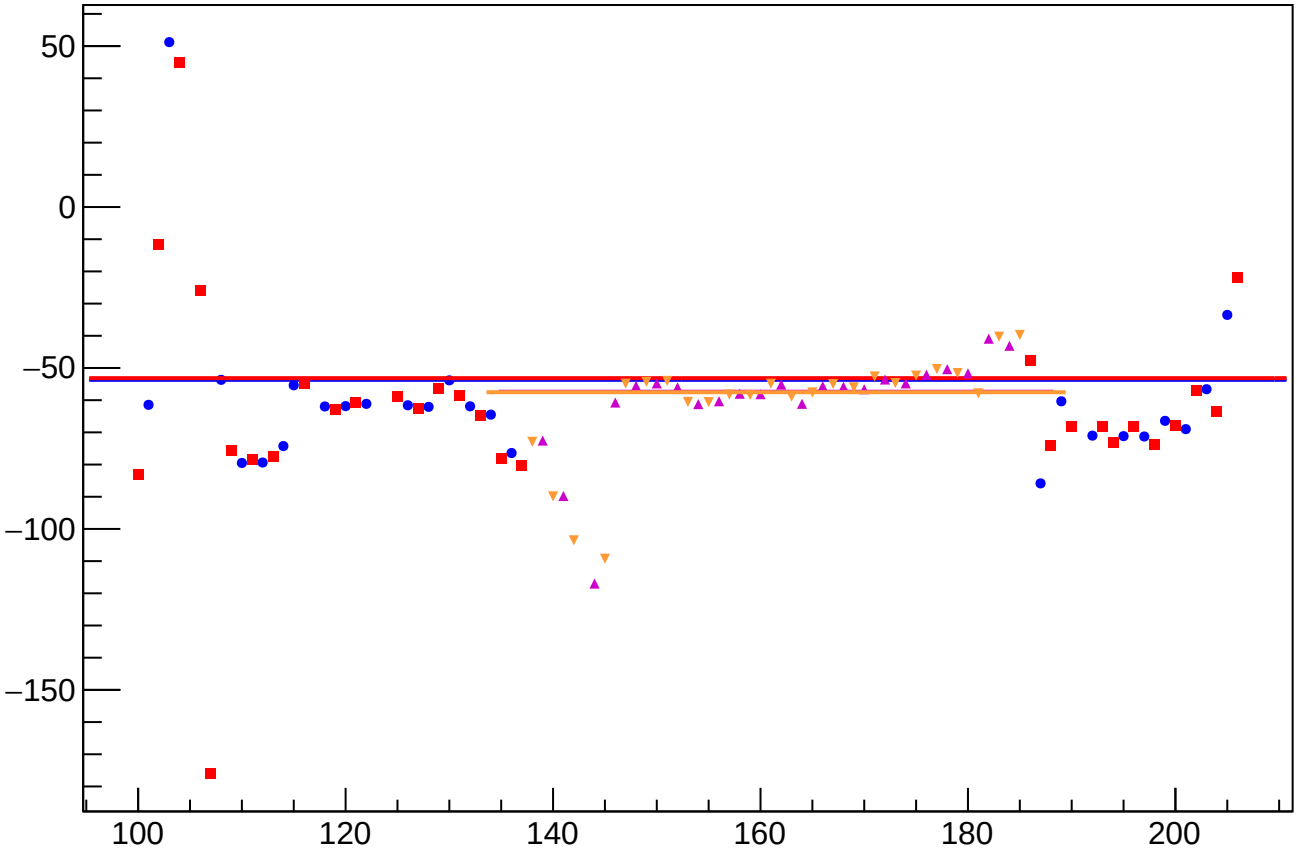
Right: -20.520+/-0.612 χ^2/NDF: 2078.2/53

In: -4.304+/-0.469 χ^2/NDF:2371.0/47

Out: -3.723+/-0.456 χ^2/NDF:2394.2/52

All: -4.005+/-0.327 χ^2/NDF: 4766.1/100

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.675+/-0.044 χ^2/NDF: 652022.0/24

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.160+/-0.042 χ^2/NDF: 619637.6/28

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

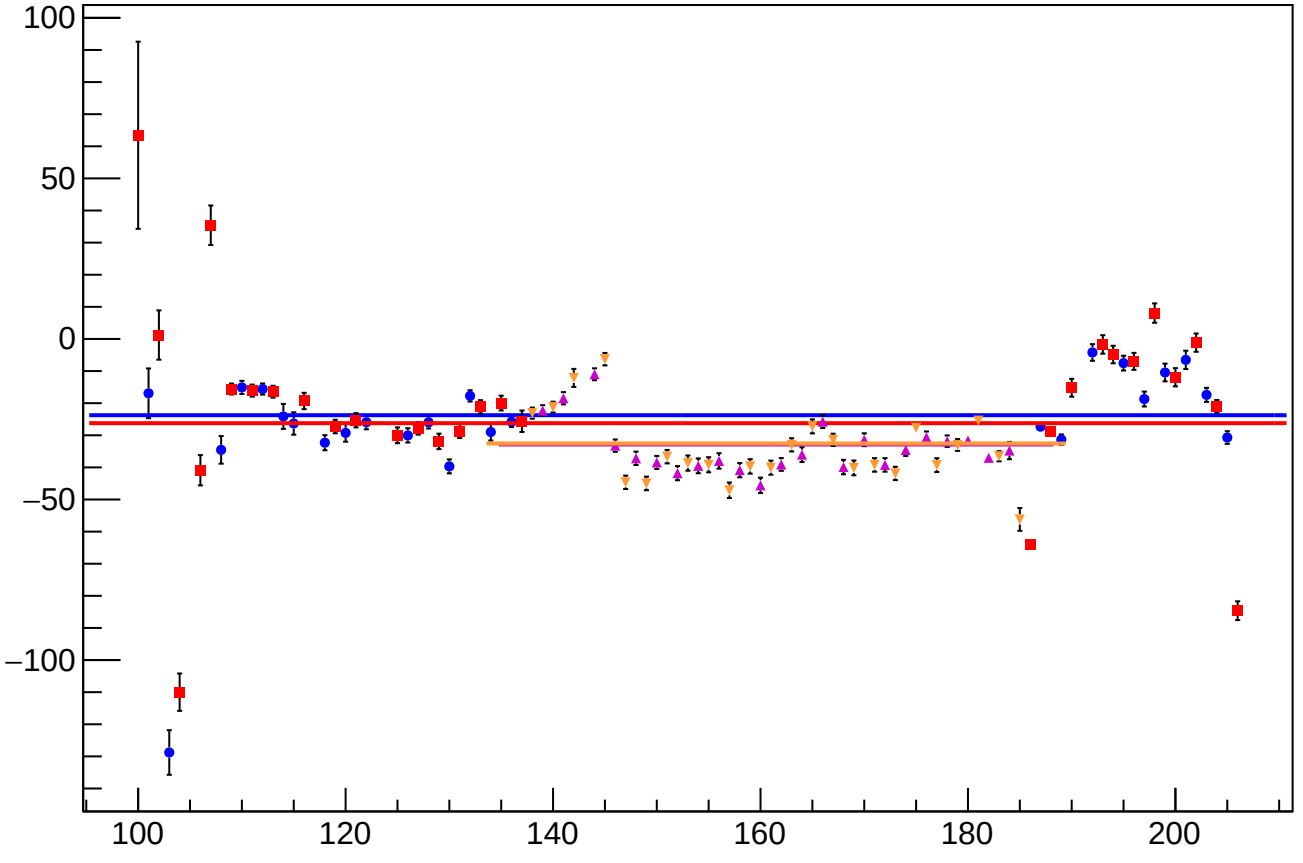
Right: -53.402+/-0.030 χ^2/NDF: 1271731.3/53

In: -56.497+/-0.022 χ^2/NDF:884476.4/47

Out: -56.390+/-0.021 χ^2/NDF:894809.0/52

All: -56.443+/-0.015 χ^2/NDF: 1779297.8/100

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.750+/-0.448 χ^2/NDF: 593.8/24

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -26.230+/-0.405 χ^2/NDF: 2027.3/28

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

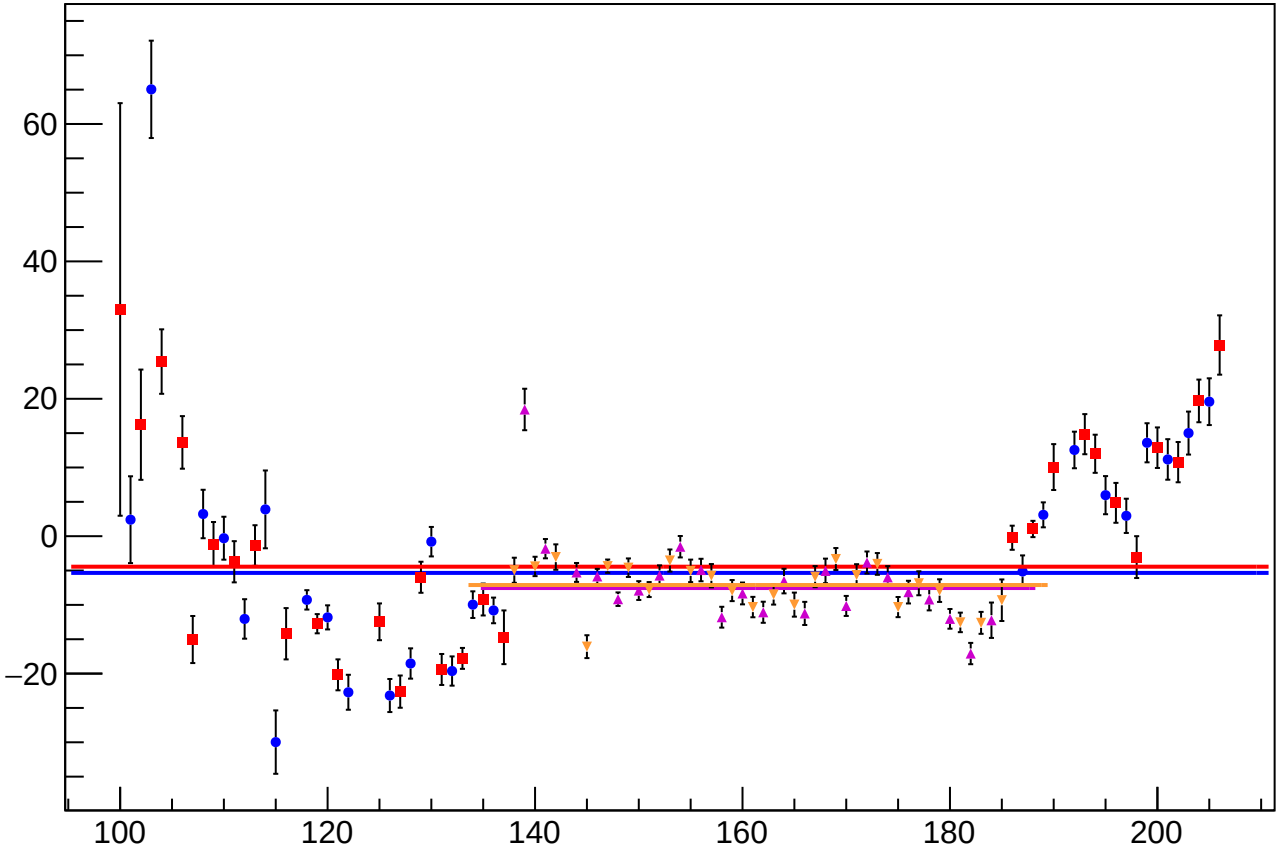
Right: -25.116+/-0.300 χ^2/NDF: 2638.0/53

In: -28.698+/-0.303 χ^2/NDF:1191.7/47

Out: -29.375+/-0.287 χ^2/NDF:2752.2/52

All: -29.055+/-0.208 χ^2/NDF: 3946.6/100

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.344+/-0.493 χ^2/NDF: 633.9/24

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -4.440+/-0.461 χ^2/NDF: 688.0/28

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

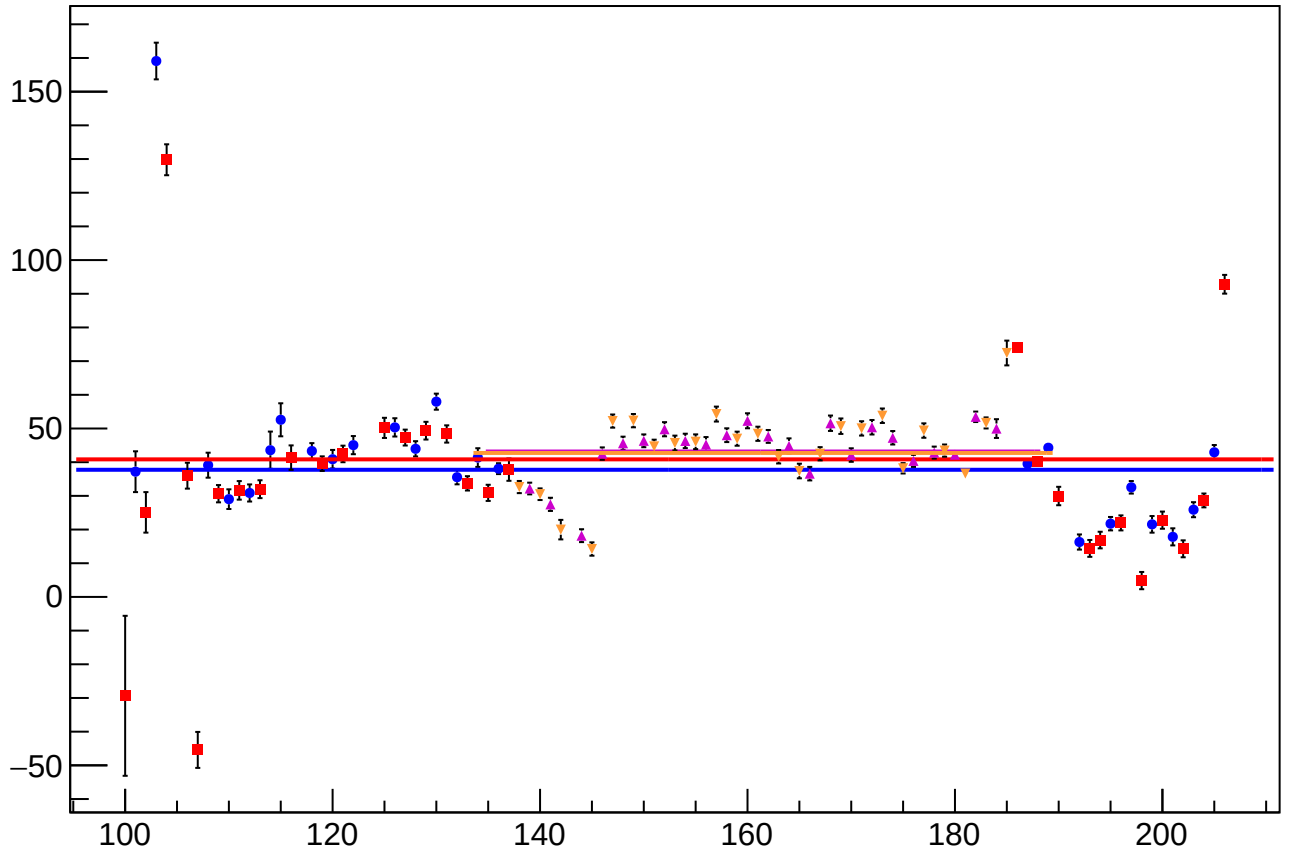
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -4.863+/-0.337 χ^2/NDF: 1323.8/53

In: -6.907+/-0.265 χ^2/NDF:847.9/47

Out: -6.282+/-0.257 χ^2/NDF:820.6/52

All: -6.584+/-0.185 χ^2/NDF: 1671.4/100



Right In: 37.746+/-0.451 χ^2/NDF: 968.7/24

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 40.838+/-0.390 χ^2/NDF: 2663.2/28

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

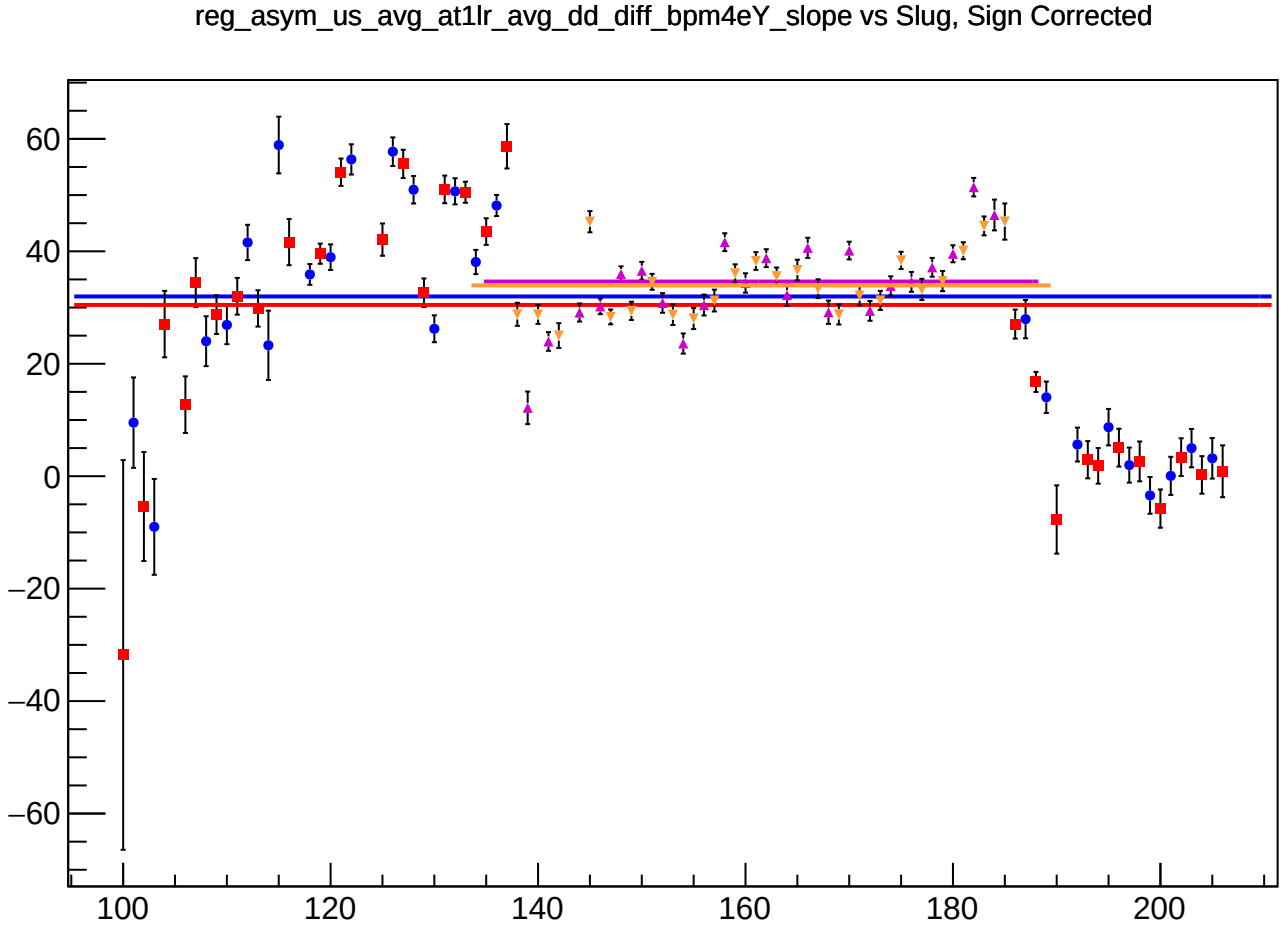
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 39.513+/-0.295 χ^2/NDF: 3658.8/53

In: 40.733+/-0.302 χ^2/NDF:1461.4/47

Out: 41.760+/-0.280 χ^2/NDF:3306.3/52

All: 41.285+/-0.206 χ^2/NDF: 4773.9/100



Right In: 31.970+/-0.577 χ^2/NDF: 1083.2/24

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 30.466+/-0.556 χ^2/NDF: 1211.9/28

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

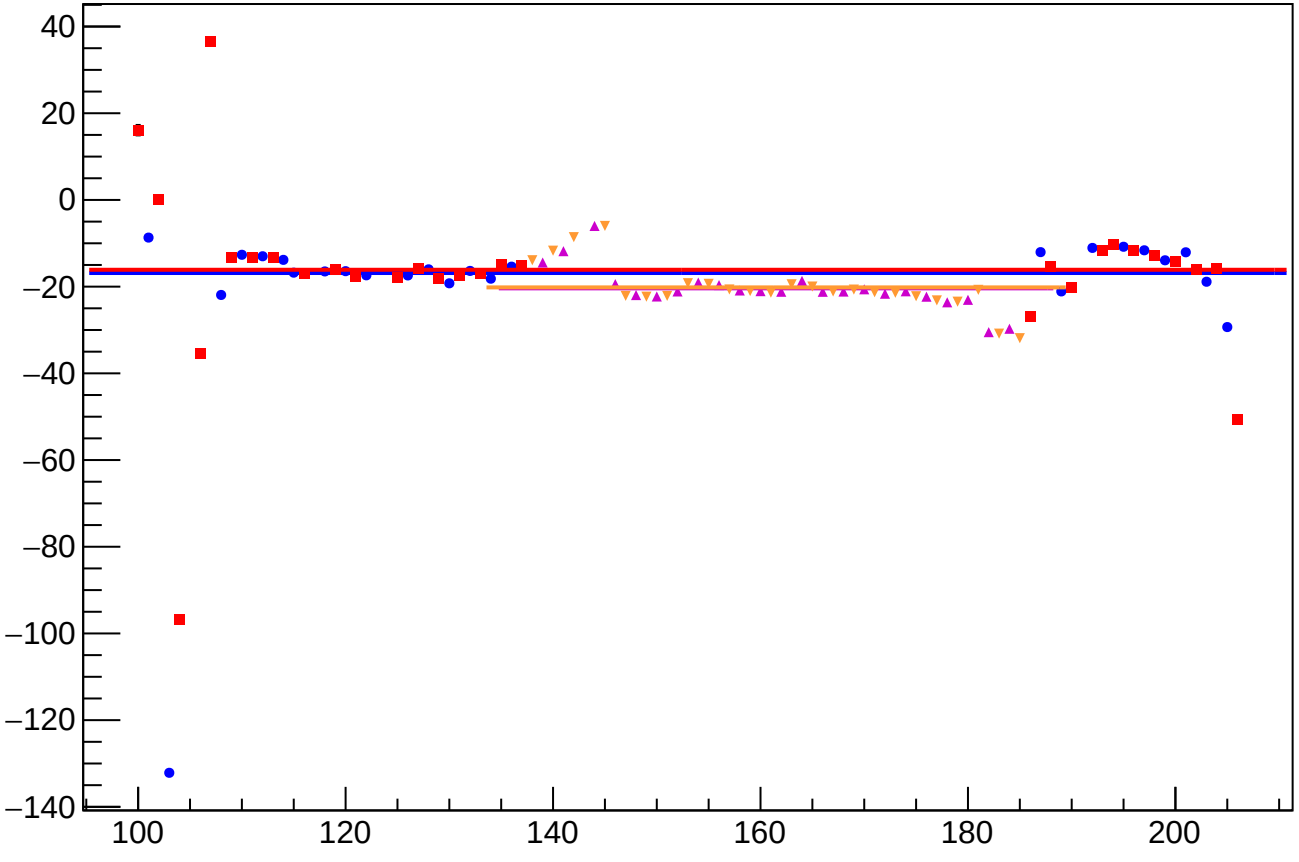
Right: 31.190+/-0.400 χ^2/NDF: 2298.6/53

In: 33.891+/-0.303 χ^2/NDF:1474.6/47

Out: 32.944+/-0.297 χ^2/NDF:1456.2/52

All: 33.407+/-0.212 χ^2/NDF: 2935.8/100

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.857+/-0.028 χ^2/NDF: 272314.3/24

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -16.109+/-0.027 χ^2/NDF: 256756.7/28

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

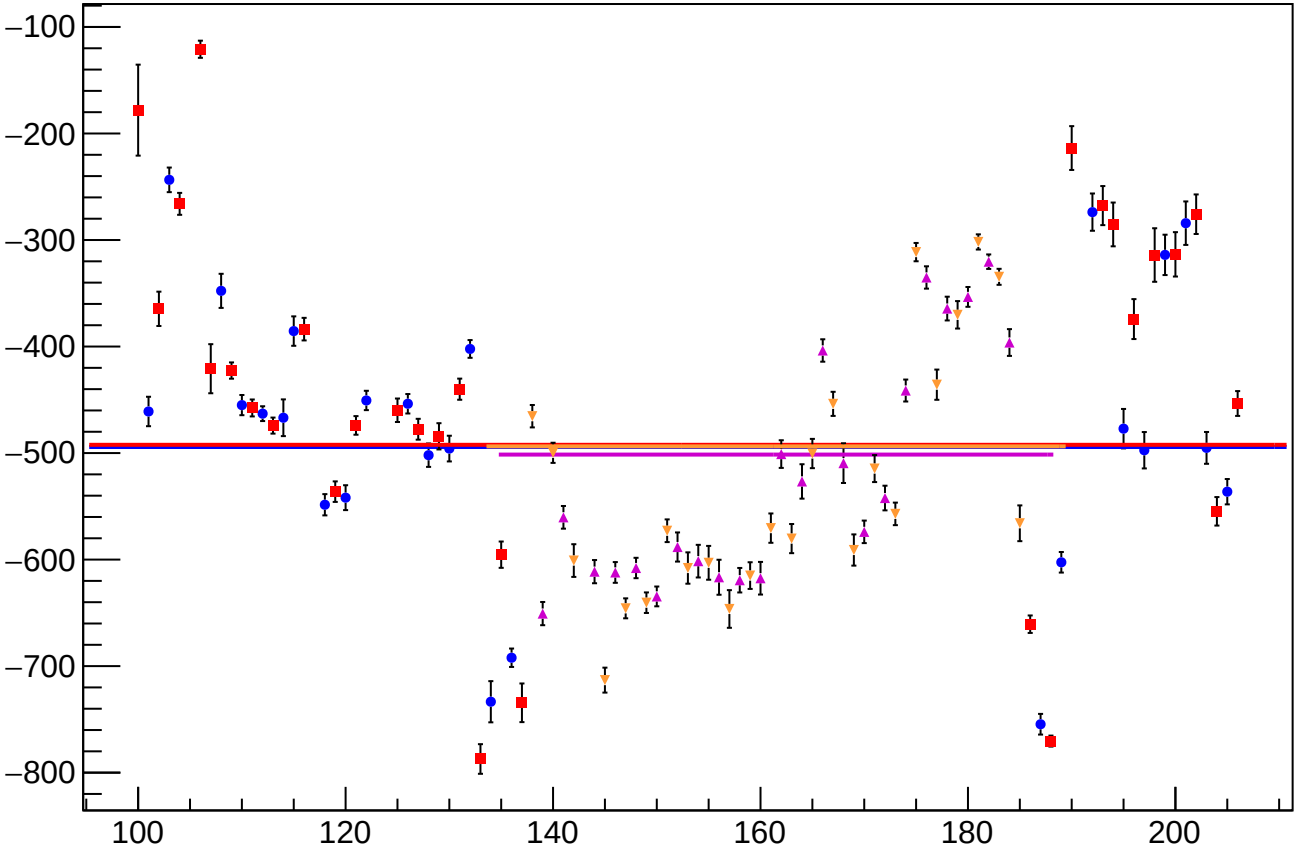
Right: -16.469+/-0.019 χ^2/NDF: 529438.2/53

In: -19.547+/-0.014 χ^2/NDF:365532.2/47

Out: -19.144+/-0.014 χ^2/NDF:373529.5/52

All: -19.344+/-0.010 χ^2/NDF: 739494.7/100

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -494.290+/-2.283 χ^2/NDF: 2766.0/24

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -492.250+/-2.011 χ^2/NDF: 7802.5/28

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

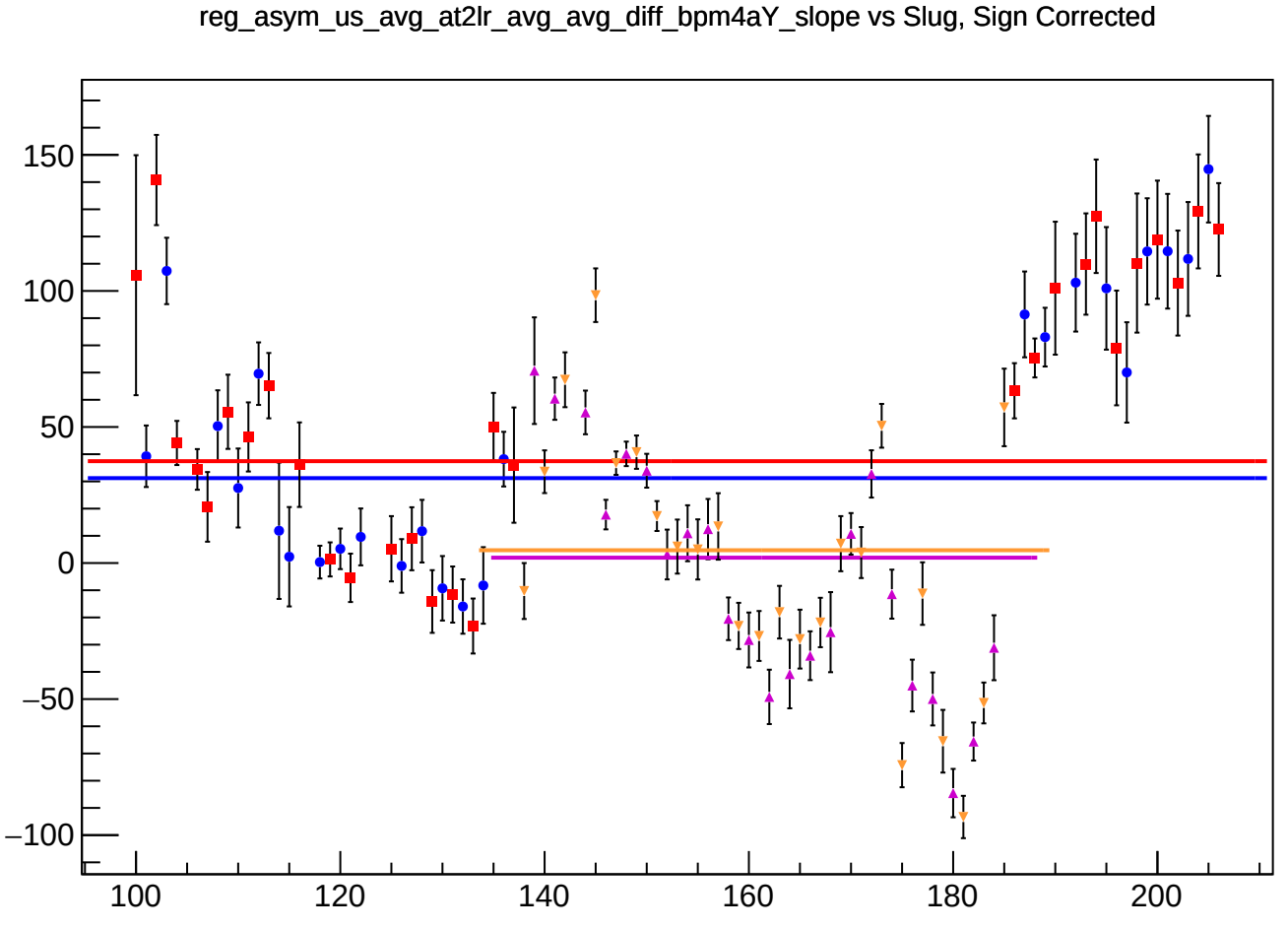
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -493.141+/-1.509 χ^2/NDF: 10569.0/53

In: -497.821+/-1.622 χ^2/NDF:5460.1/47

Out: -492.889+/-1.512 χ^2/NDF:10952.8/52

All: -495.182+/-1.106 χ^2/NDF: 16417.8/100



Right In: 31.204+/-2.409 χ^2/NDF: 304.4/24

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 37.439+/-2.212 χ^2/NDF: 357.7/28

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

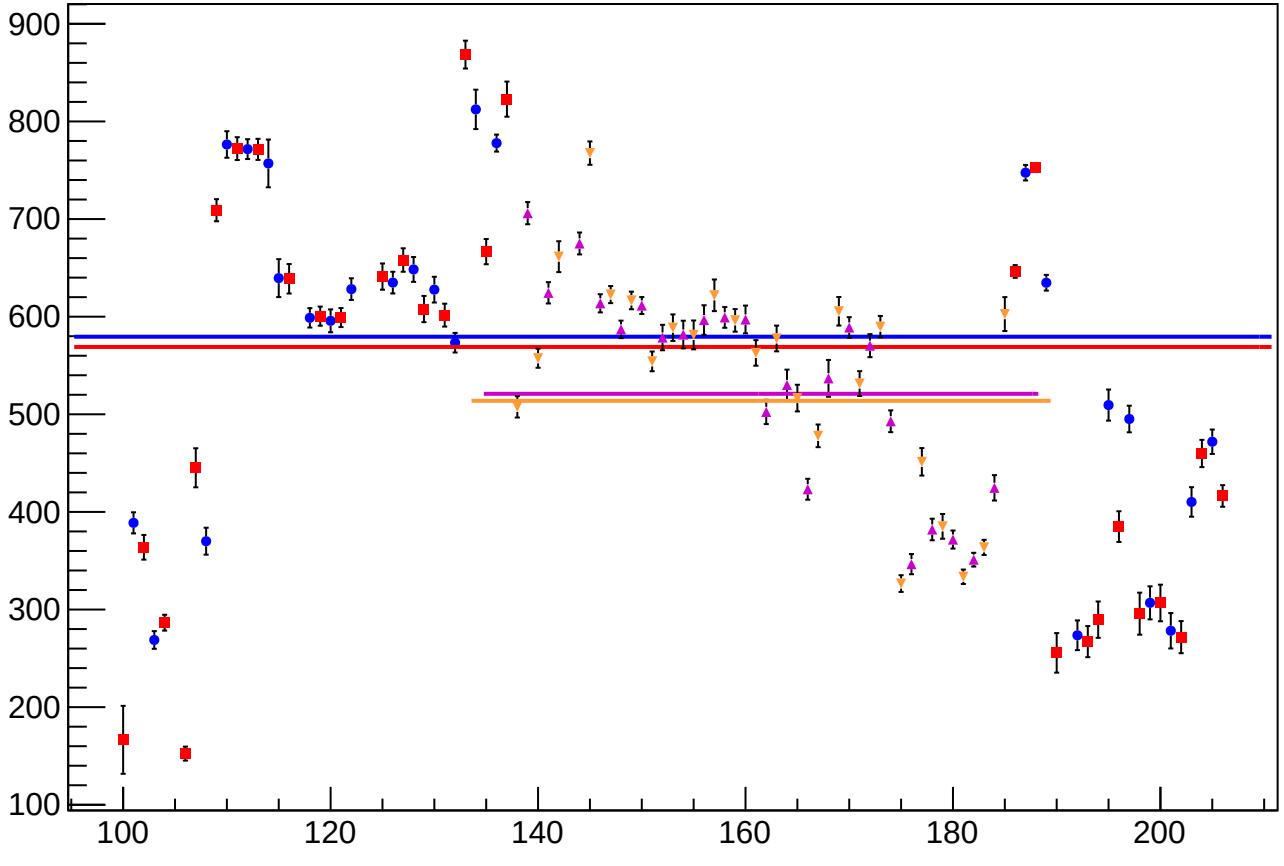
Right: 34.587+/-1.629 χ^2/NDF: 665.8/53

In: 11.855+/-1.401 χ^2/NDF:962.7/47

Out: 16.824+/-1.346 χ^2/NDF:1175.9/52

All: 14.439+/-0.970 χ^2/NDF: 2145.2/100

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 579.478+/-2.367 χ^2/NDF: 4776.6/24

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 568.991+/-2.002 χ^2/NDF: 10666.9/28

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

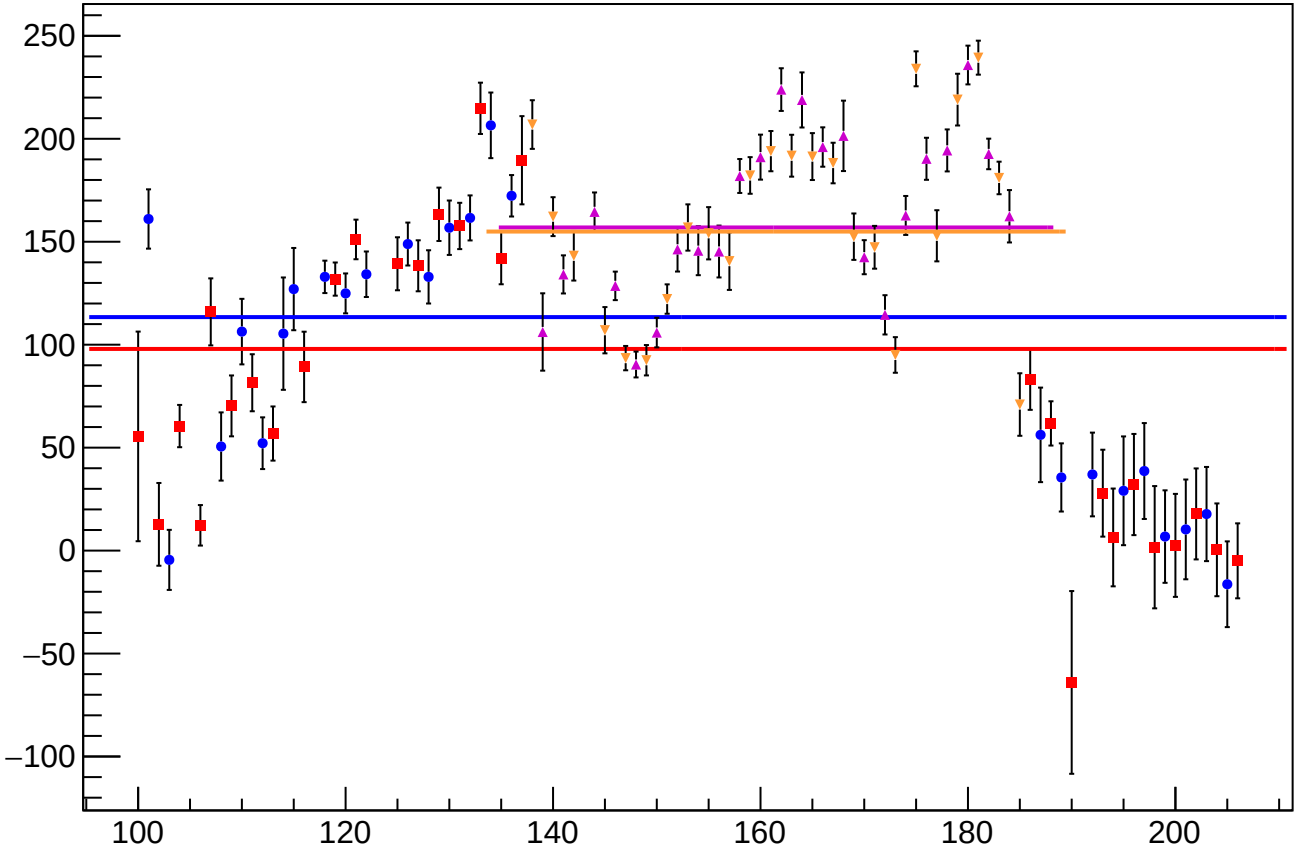
Right: 573.367+/-1.529 χ^2/NDF: 15454.9/53

In: 549.187+/-1.643 χ^2/NDF:7535.7/47

Out: 544.936+/-1.504 χ^2/NDF:13733.3/52

All: 546.873+/-1.109 χ^2/NDF: 21272.6/100

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.401+/-2.834 χ^2/NDF: 398.8/24

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 97.939+/-2.654 χ^2/NDF: 512.8/28

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

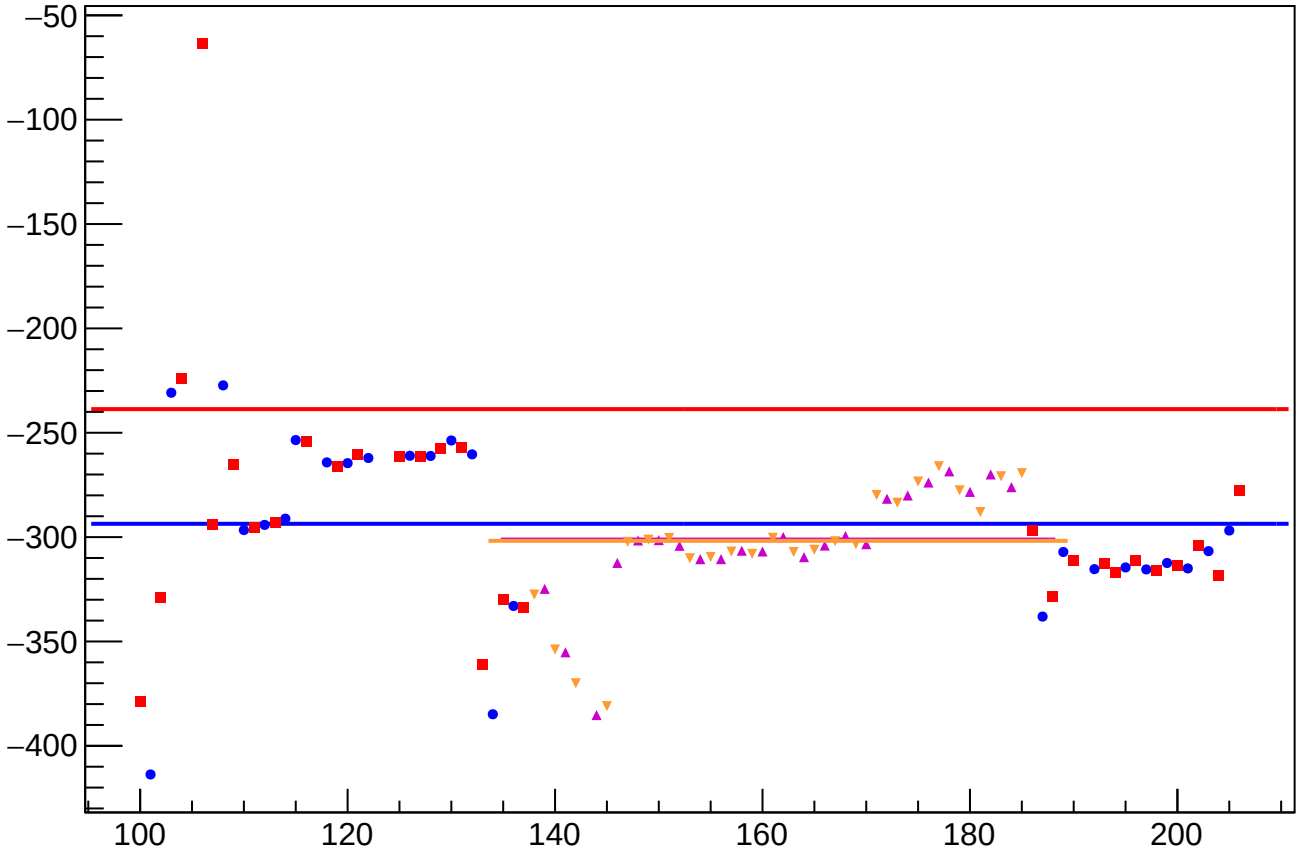
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 105.163+/-1.937 χ^2/NDF: 927.5/53

In: 142.740+/-1.618 χ^2/NDF:1001.0/47

Out: 134.915+/-1.573 χ^2/NDF:1421.1/52

All: 138.716+/-1.128 χ^2/NDF: 2434.1/100



Right In: -293.623+/-0.147 χ^2/NDF: 112997.2/24

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -238.676+/-0.124 χ^2/NDF: 682996.6/28

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

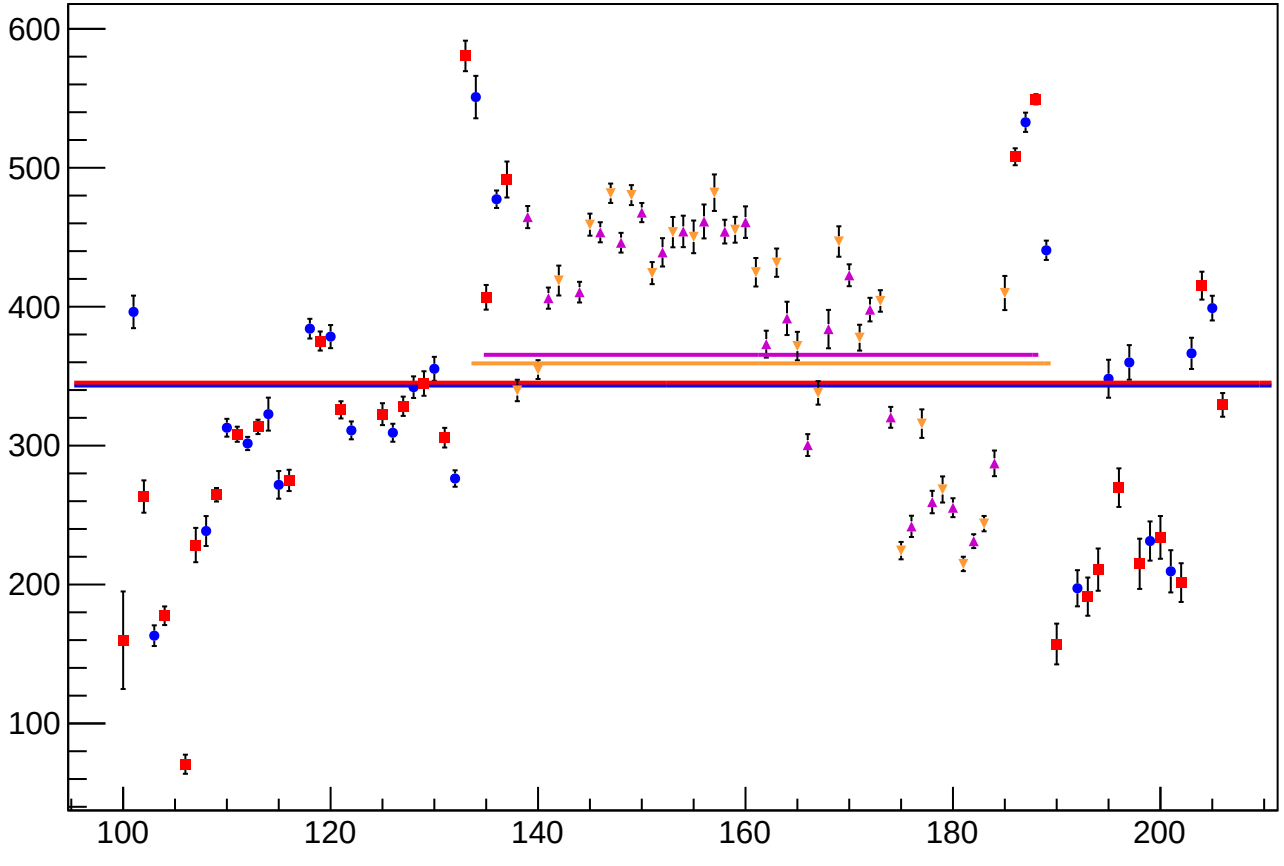
Right: -261.697+/-0.095 χ^2/NDF: 877602.4/53

In: -299.108+/-0.077 χ^2/NDF:190249.8/47

Out: -279.875+/-0.073 χ^2/NDF:937463.1/52

All: -289.061+/-0.053 χ^2/NDF: 1160545.3/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 343.274+/-1.624 χ^2/NDF: 2982.2/24

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 345.327+/-1.429 χ^2/NDF: 8029.6/28

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

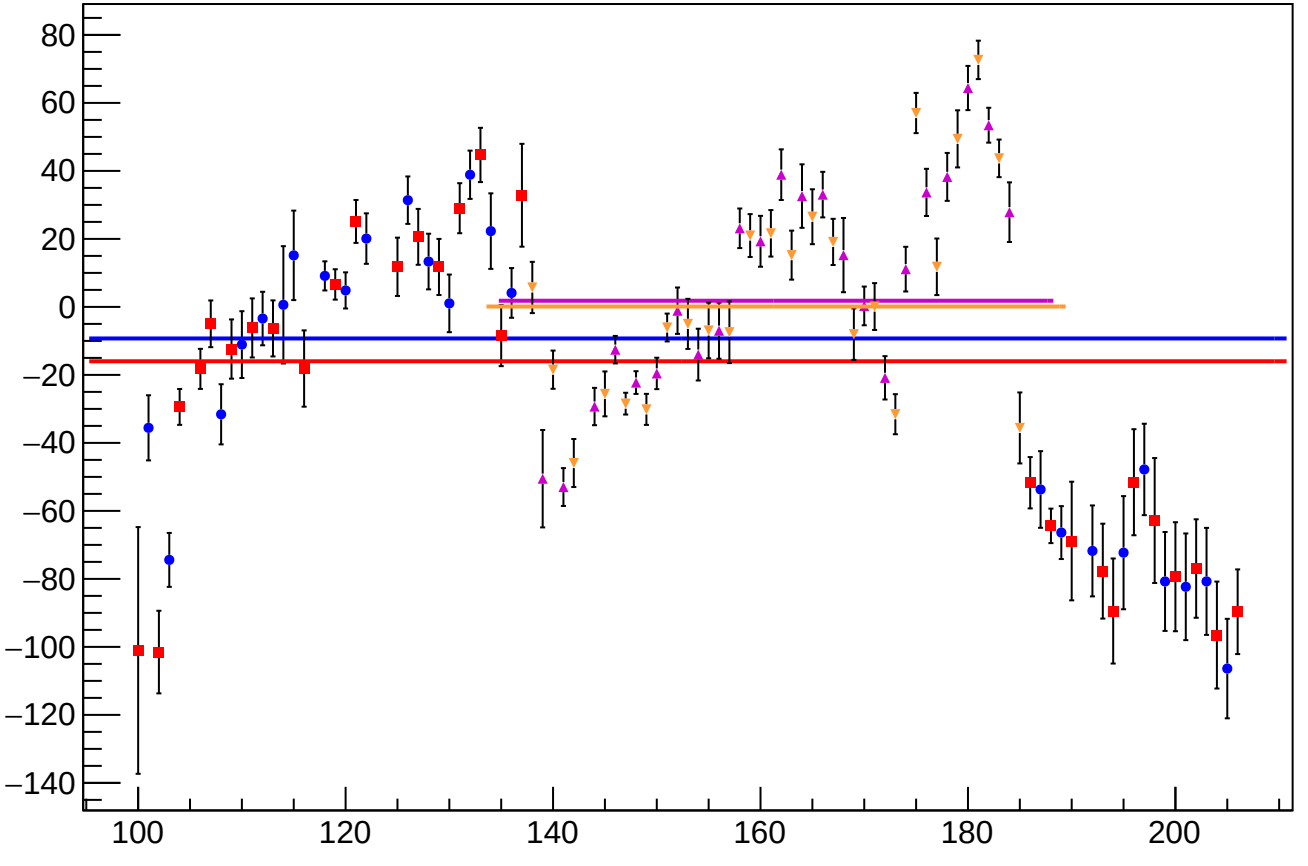
Right: 344.431+/-1.073 χ^2/NDF: 11012.7/53

In: 353.862+/-1.172 χ^2/NDF:5810.4/47

Out: 351.140+/-1.089 χ^2/NDF:11257.0/52

All: 352.401+/-0.798 χ^2/NDF: 17070.3/100

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.284+/-1.725 χ^2/NDF: 451.6/24

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -15.992+/-1.568 χ^2/NDF: 554.2/28

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

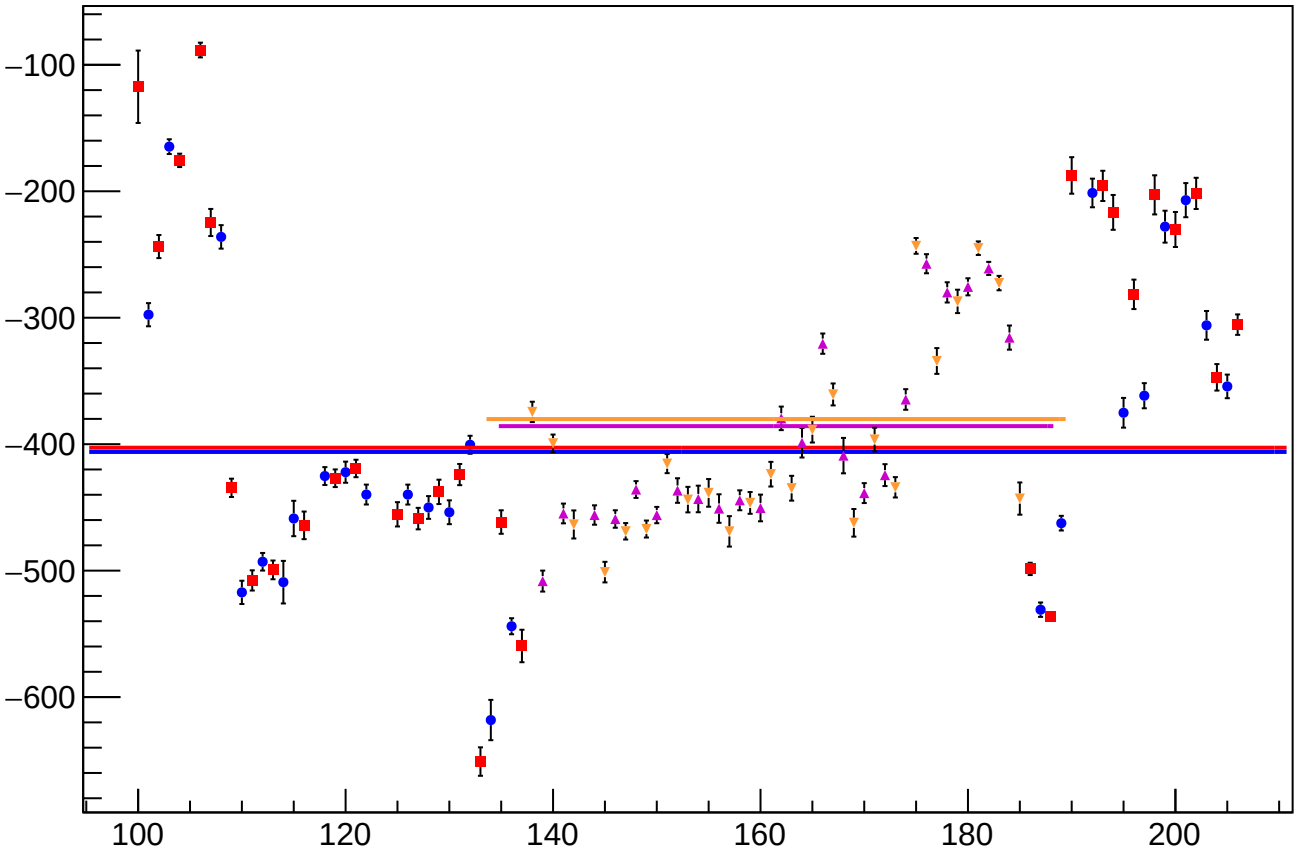
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -12.959+/-1.160 χ^2/NDF: 1014.1/53

In: -2.075+/-1.021 χ^2/NDF:1055.5/47

Out: -6.127+/-0.976 χ^2/NDF:1256.8/52

All: -4.193+/-0.705 χ^2/NDF: 2320.5/100



Right In: -406.130+/-1.692 χ^2/NDF: 4734.5/24

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -402.800+/-1.431 χ^2/NDF: 10653.9/28

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

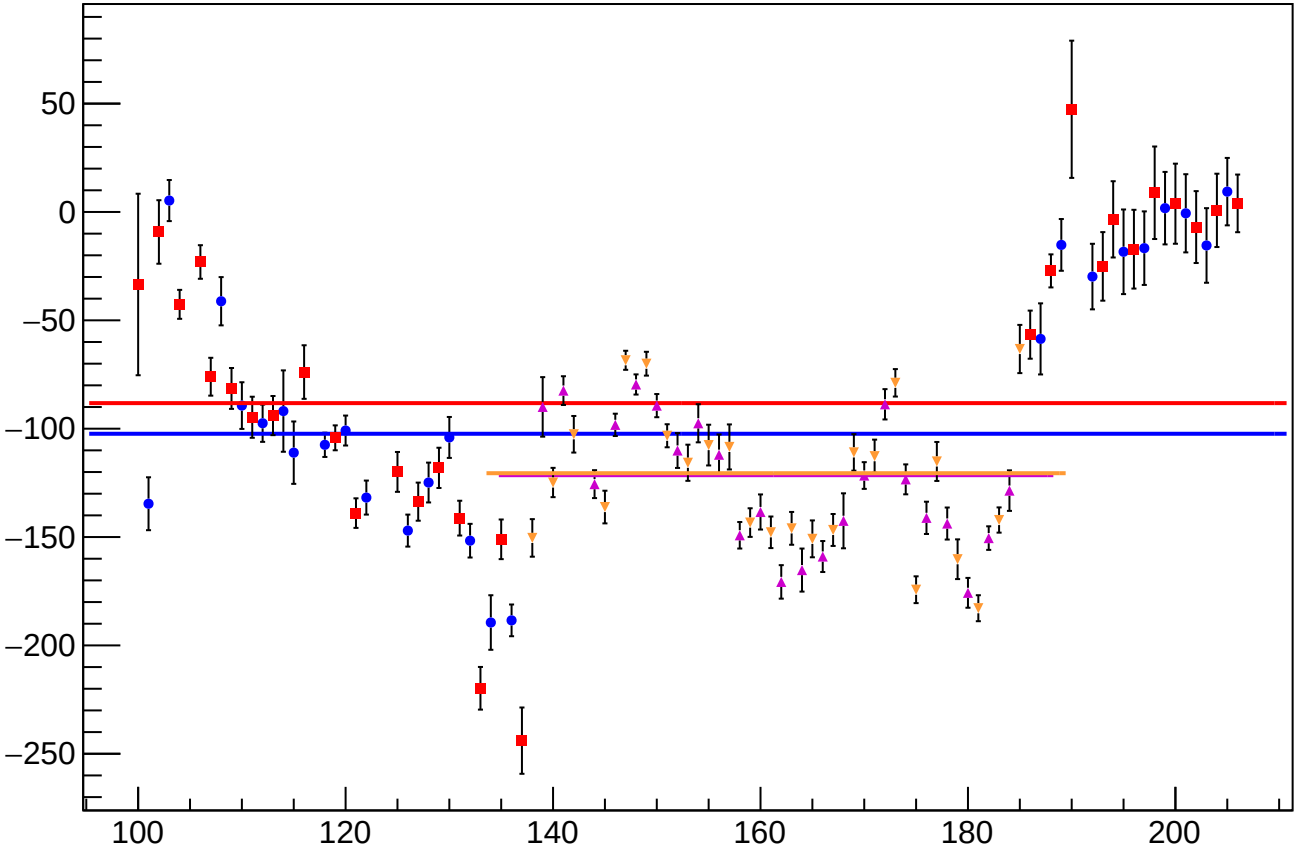
Right: -404.188+/-1.093 χ^2/NDF: 15390.7/53

In: -395.835+/-1.191 χ^2/NDF:7169.1/47

Out: -393.207+/-1.086 χ^2/NDF:13378.7/52

All: -394.400+/-0.803 χ^2/NDF: 20550.4/100

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -102.343+/-2.029 χ^2/NDF: 727.5/24

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -88.205+/-1.879 χ^2/NDF: 927.9/28

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

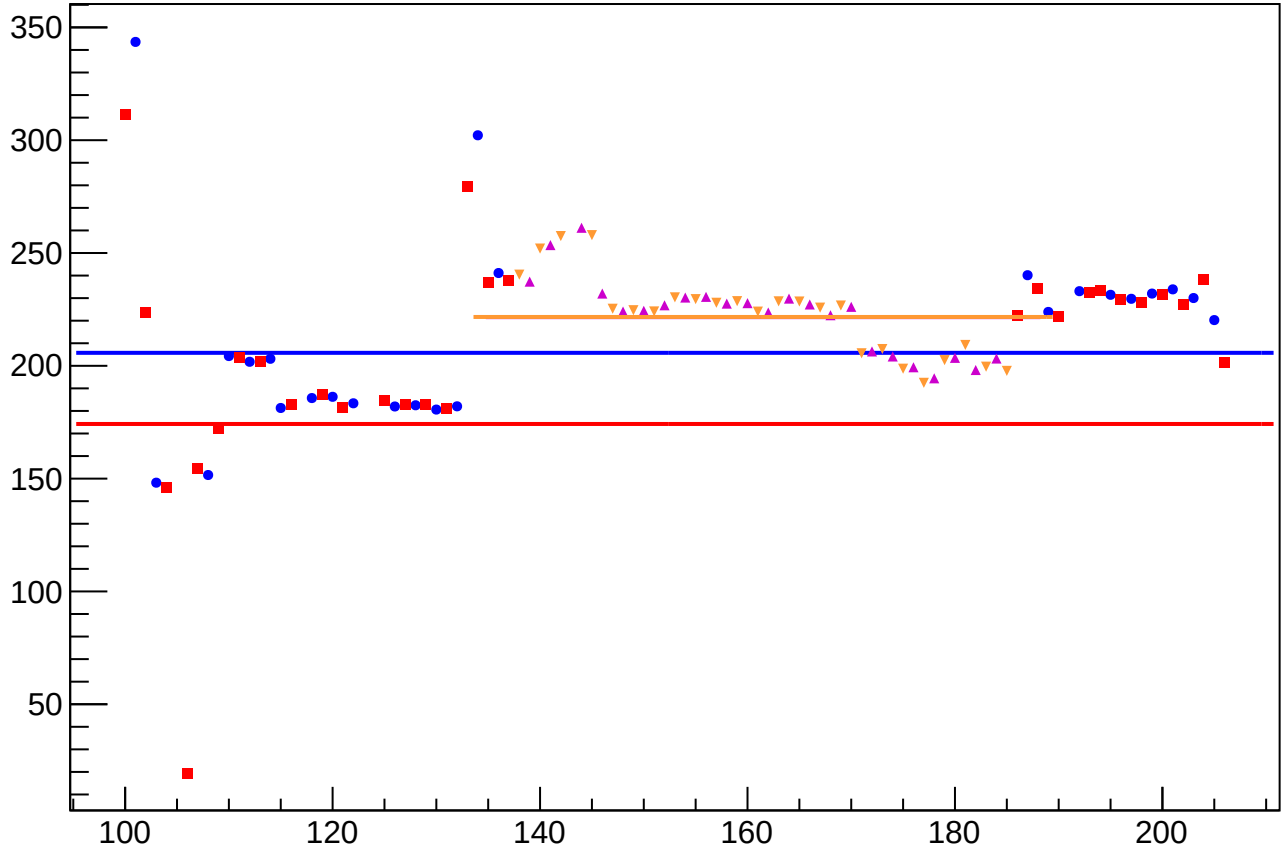
Right: -94.734+/-1.378 χ^2/NDF: 1681.6/53

In: -114.992+/-1.179 χ^2/NDF:1218.9/47

Out: -108.626+/-1.141 χ^2/NDF:1726.5/52

All: -111.703+/-0.820 χ^2/NDF: 2960.4/100

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 205.757+/-0.105 χ^2/NDF: 201098.4/24

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 174.221+/-0.092 χ^2/NDF: 650276.6/28

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

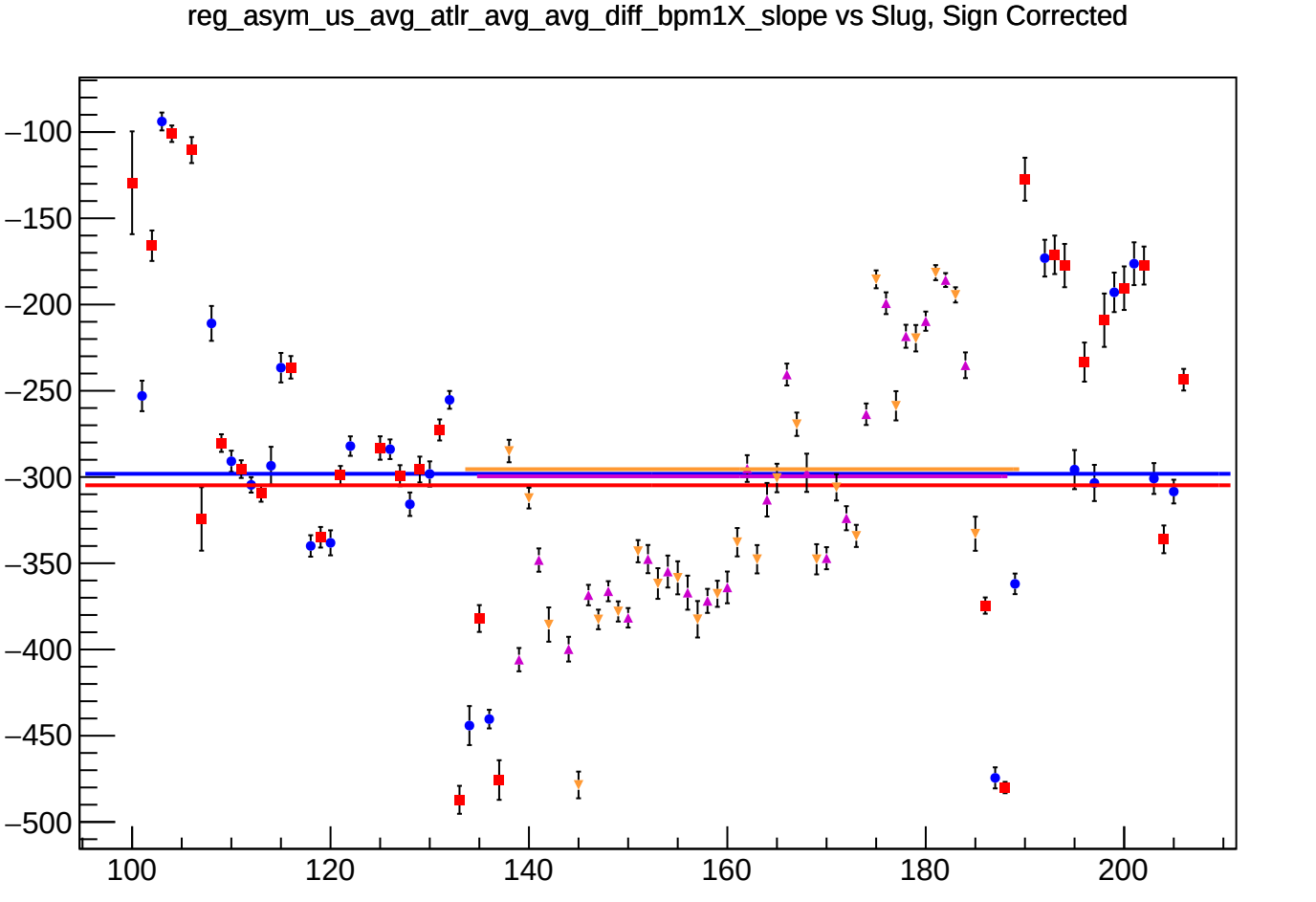
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 187.973+/-0.069 χ^2/NDF: 902628.0/53

In: 217.049+/-0.056 χ^2/NDF:279544.0/47

Out: 205.315+/-0.054 χ^2/NDF:891783.8/52

All: 210.973+/-0.039 χ^2/NDF: 1194109.7/100



Right In: -298.142+/-1.395 χ^2/NDF: 4009.2/24

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -304.793+/-1.248 χ^2/NDF: 7725.4/28

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

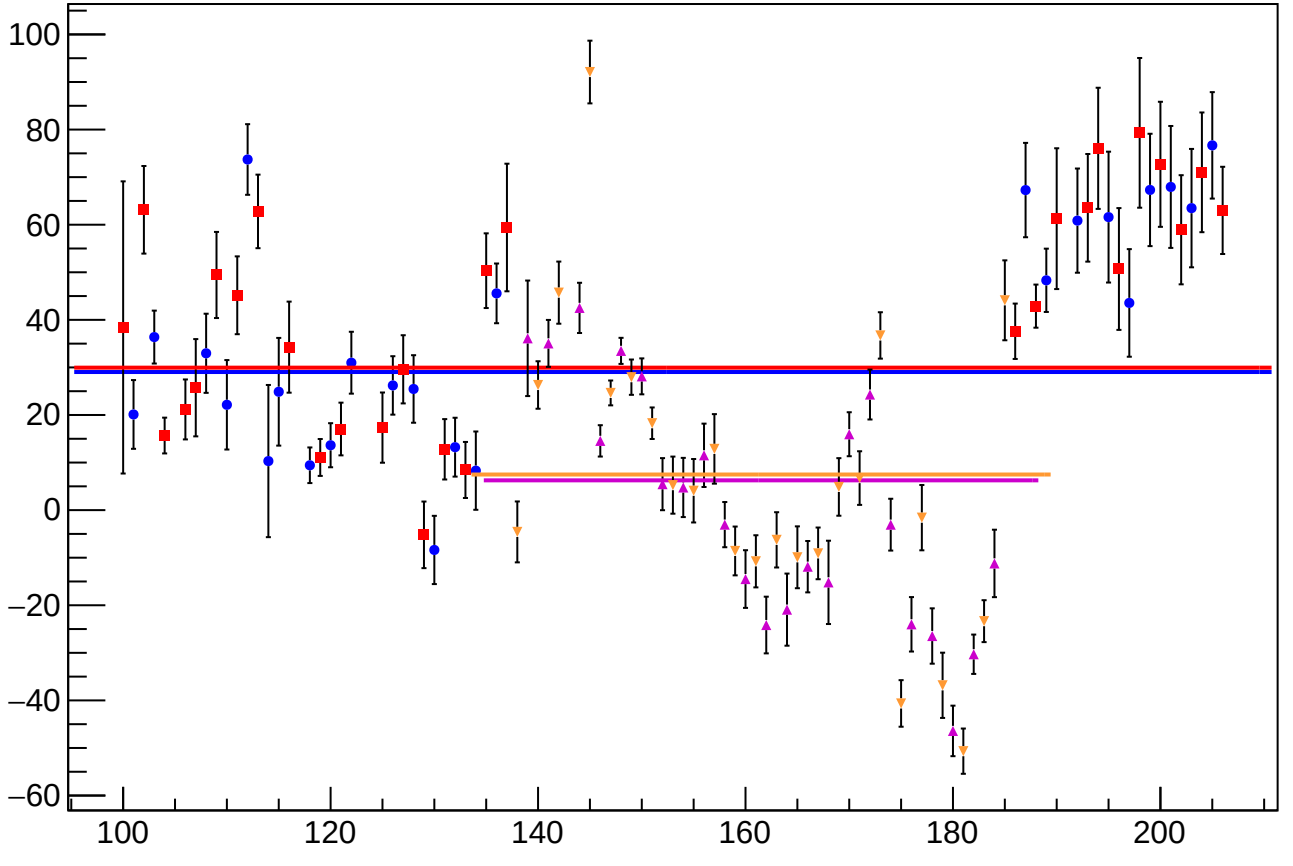
Right: -301.837+/-0.930 χ^2/NDF: 11747.3/53

In: -298.864+/-0.987 χ^2/NDF:6981.5/47

Out: -300.637+/-0.930 χ^2/NDF:11096.6/52

All: -299.804+/-0.677 χ^2/NDF: 18079.8/100

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.032+/-1.470 χ^2/NDF: 212.2/24

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.951+/-1.355 χ^2/NDF: 234.7/28

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

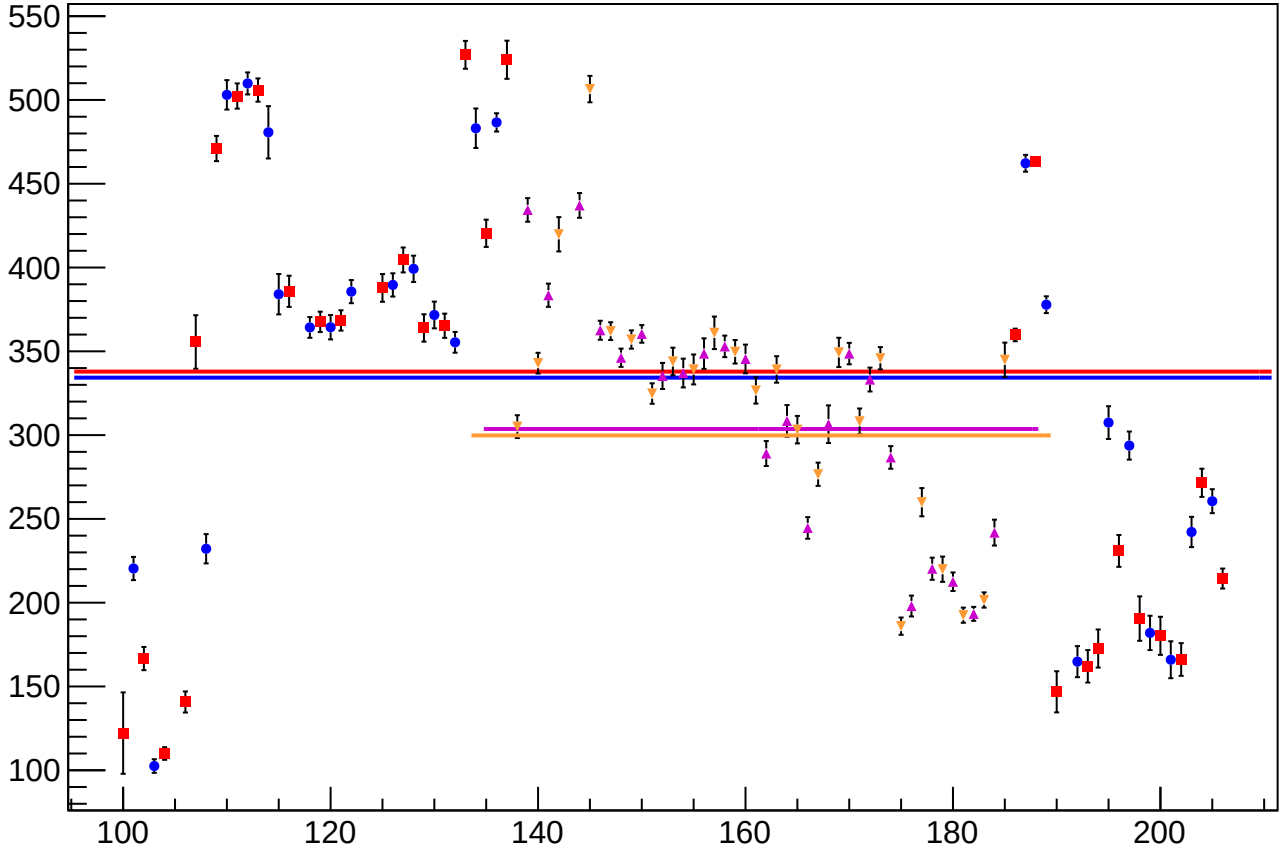
Right: 29.529+/-0.997 χ^2/NDF: 447.1/53

In: 13.902+/-0.852 χ^2/NDF:931.0/47

Out: 15.705+/-0.820 χ^2/NDF:1147.4/52

All: 14.838+/-0.591 χ^2/NDF: 2080.7/100

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 334.291+/-1.425 χ^2/NDF: 7804.8/24

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.905+/-1.226 χ^2/NDF: 12140.9/28

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

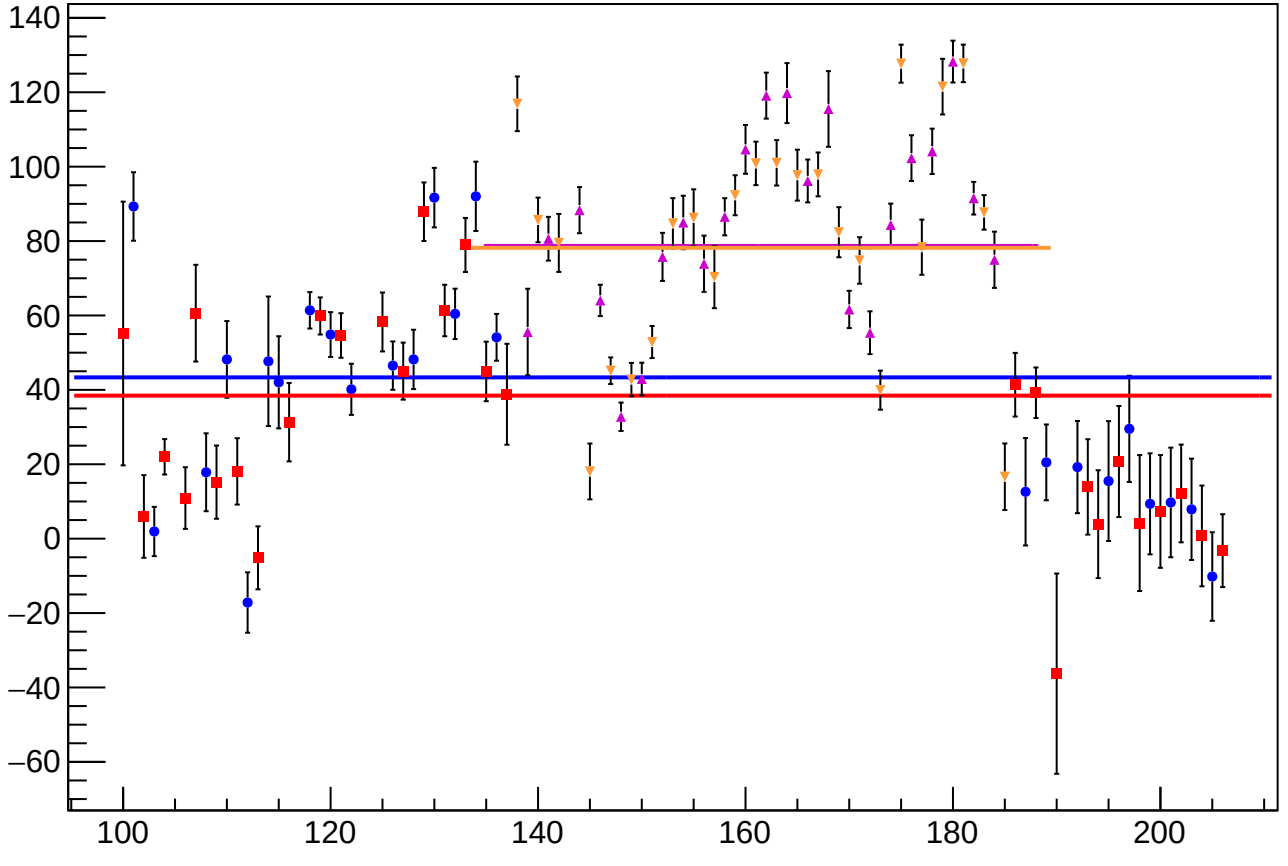
Right: 336.368+/-0.929 χ^2/NDF: 19949.4/53

In: 318.513+/-0.992 χ^2/NDF:10915.6/47

Out: 321.128+/-0.917 χ^2/NDF:15642.4/52

All: 319.924+/-0.673 χ^2/NDF: 26561.7/100

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.355+/-1.729 χ^2/NDF: 272.9/24

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 38.449+/-1.625 χ^2/NDF: 243.4/28

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

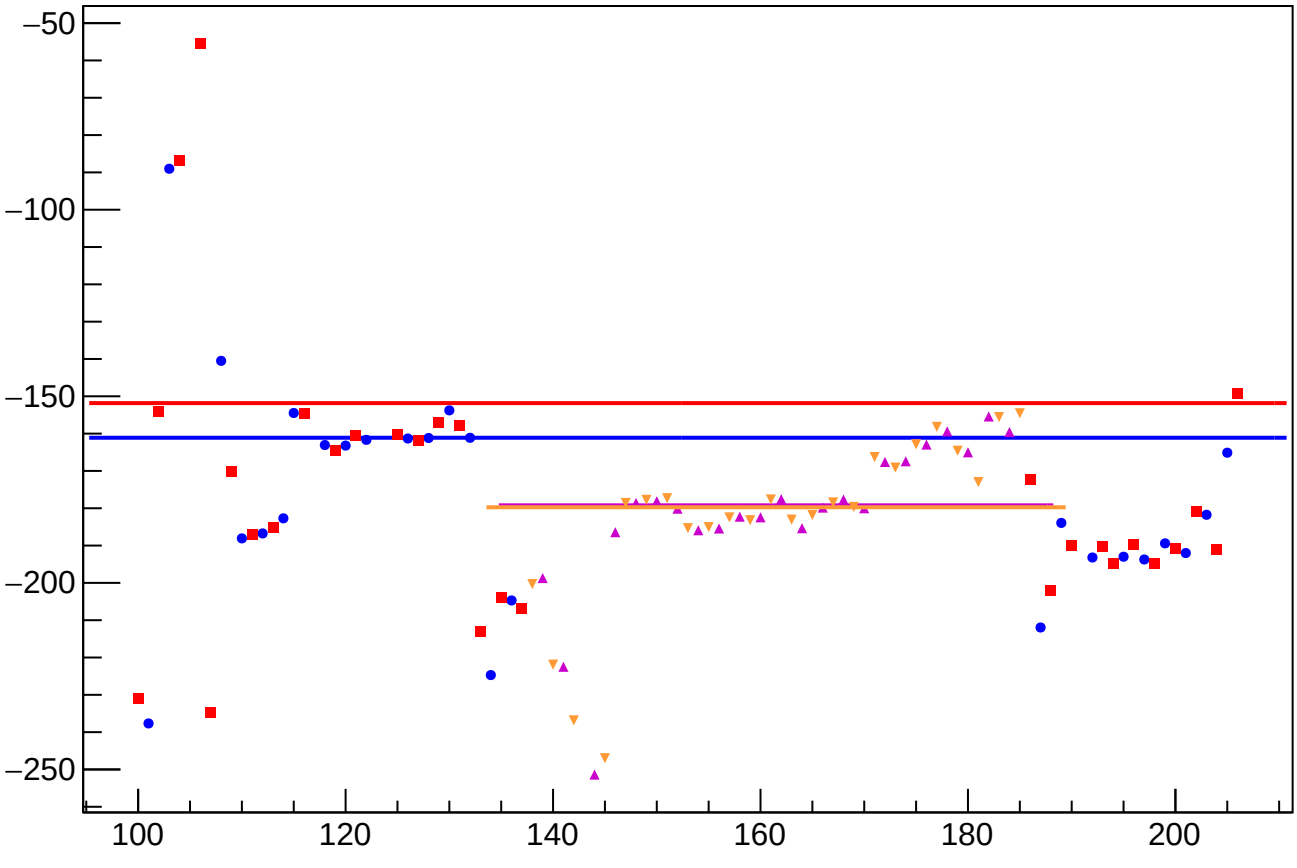
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 40.750+/-1.184 χ^2/NDF: 520.6/53

In: 67.271+/-0.983 χ^2/NDF:1044.0/47

Out: 64.400+/-0.957 χ^2/NDF:1297.0/52

All: 65.797+/-0.686 χ^2/NDF: 2345.4/100



Right In: -161.106+/-0.085 χ^2/NDF: 303550.9/24

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.820+/-0.079 χ^2/NDF: 418161.3/28

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

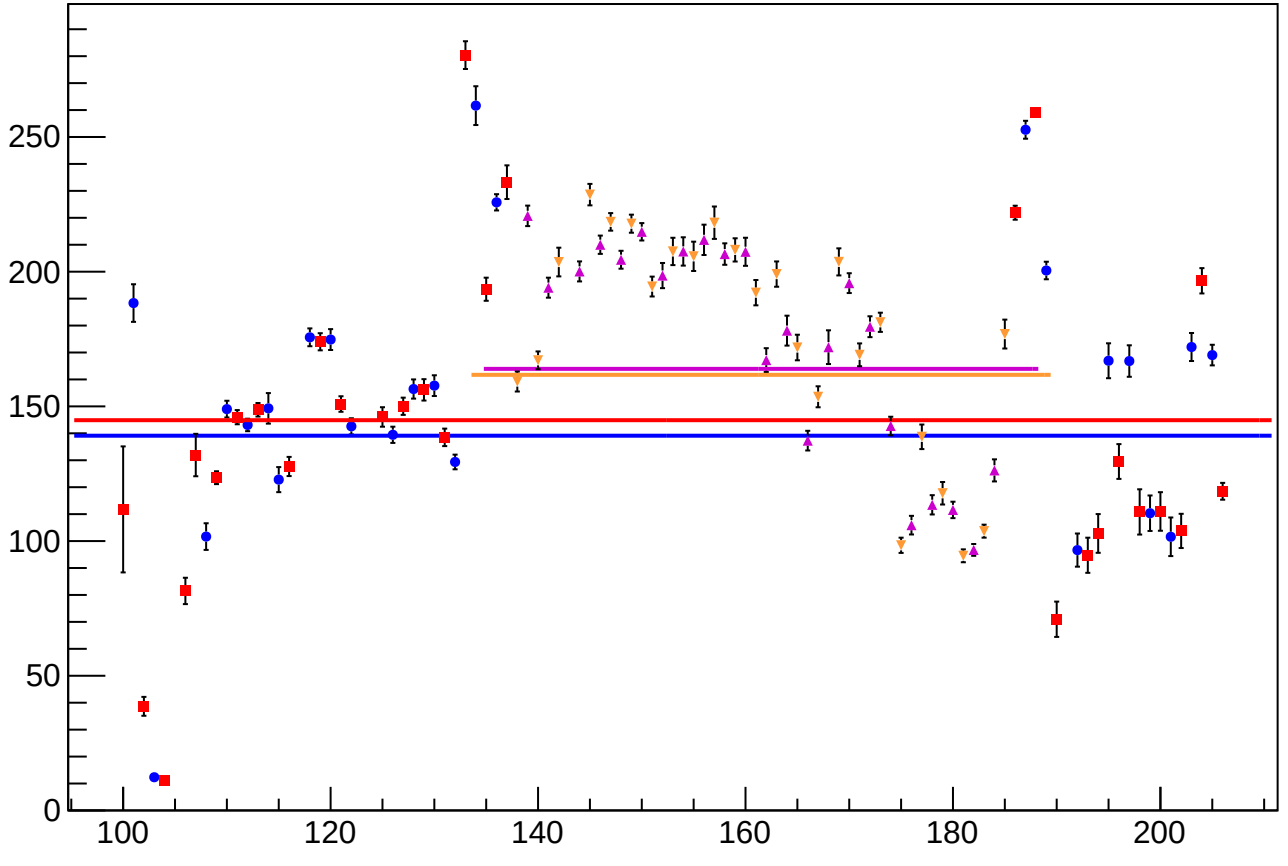
Right: -156.131+/-0.058 χ^2/NDF: 728139.5/53

In: -173.920+/-0.046 χ^2/NDF:449369.5/47

Out: -170.612+/-0.045 χ^2/NDF:634594.0/52

All: -172.239+/-0.032 χ^2/NDF: 1086608.5/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.113+/-0.719 χ^2/NDF: 8140.4/24

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 144.875+/-0.641 χ^2/NDF: 13288.6/28

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

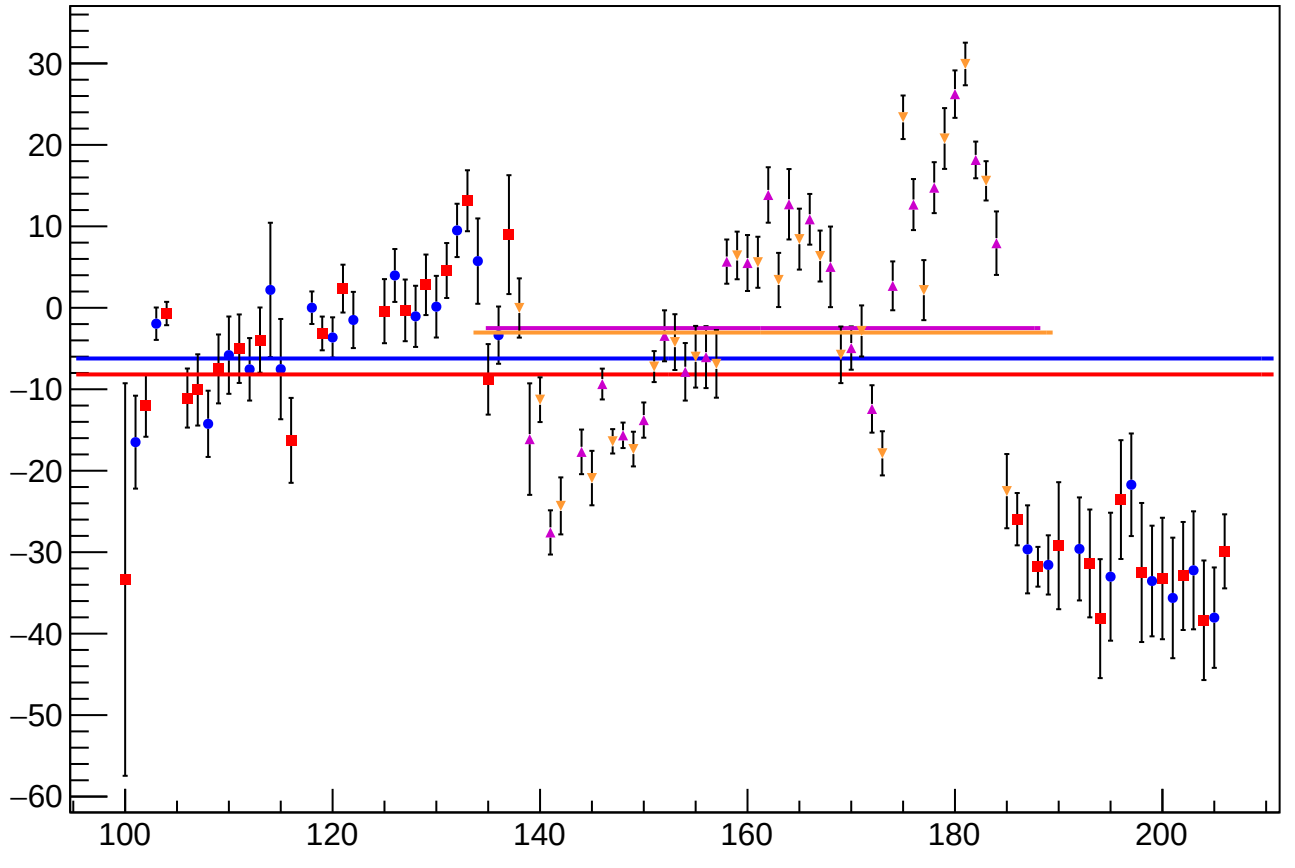
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

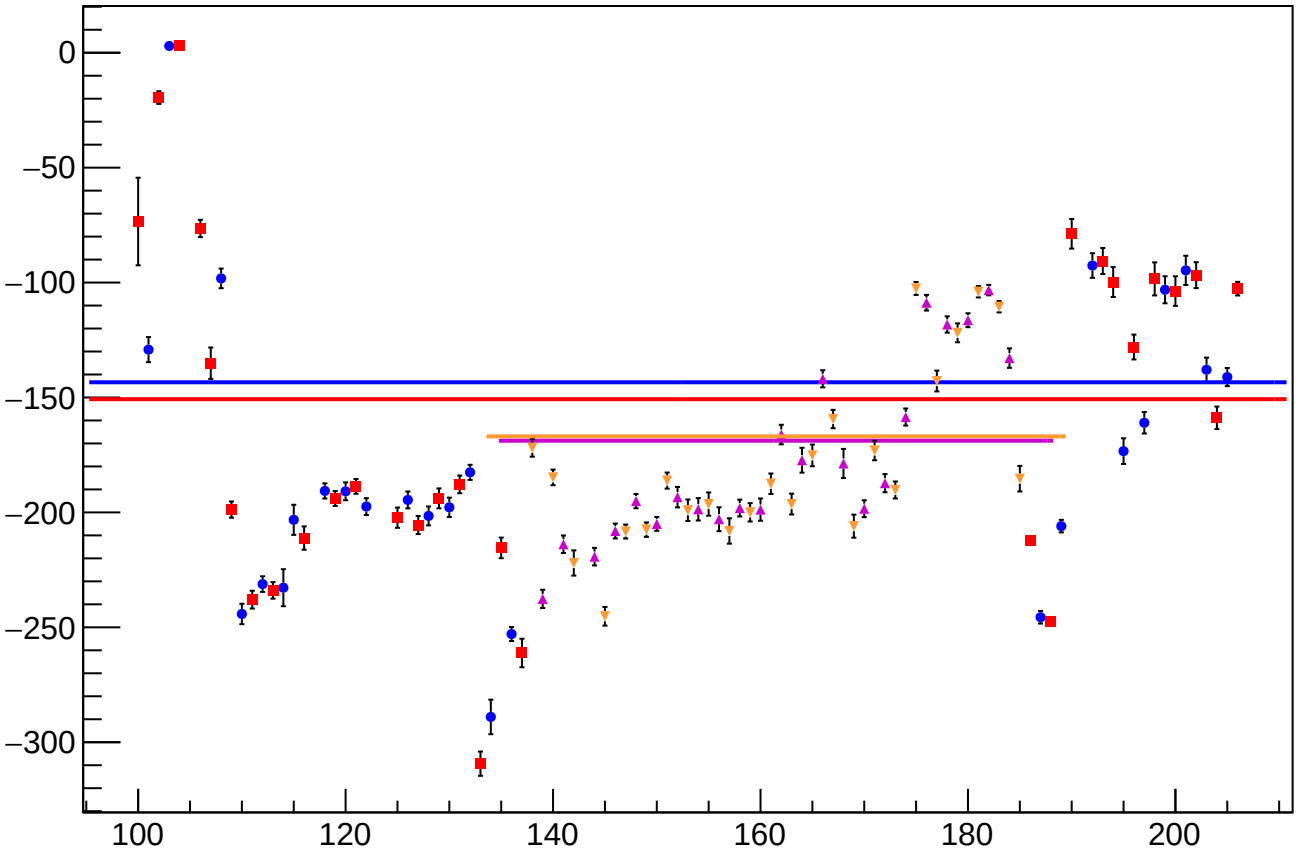
Right: 142.325+/-0.478 χ^2/NDF: 21464.7/53

In: 150.528+/-0.529 χ^2/NDF:12023.4/47

Out: 151.697+/-0.494 χ^2/NDF:17155.6/52

All: 151.152+/-0.361 χ^2/NDF: 29181.6/100


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -6.222+/-0.766 χ²/NDF: 239.4/24
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -8.178+/-0.682 χ²/NDF: 360.4/28
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
Left: -2.769+/-0.412 χ²/NDF: 1217.8/46
Right: -7.313+/-0.509 χ²/NDF: 603.5/53
In: -3.871+/-0.466 χ²/NDF:817.3/47
Out: -5.187+/-0.441 χ²/NDF:1047.9/52
All: -4.565+/-0.320 χ²/NDF: 1869.4/100



Right In: -143.383+/-0.720 χ^2/NDF: 17123.3/24

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -150.733+/-0.621 χ^2/NDF: 24023.4/28

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

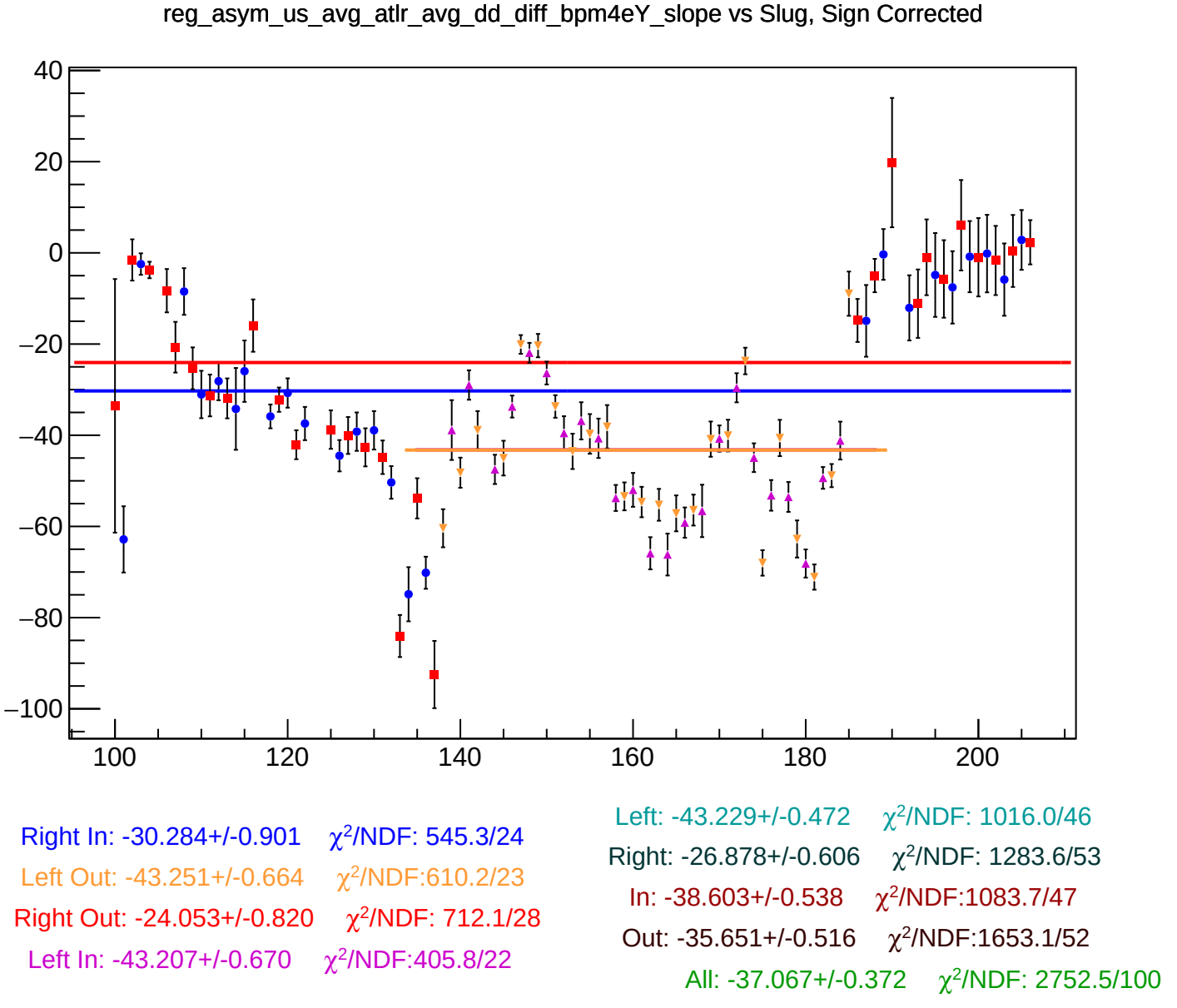
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -147.594+/-0.470 χ^2/NDF: 41206.5/53

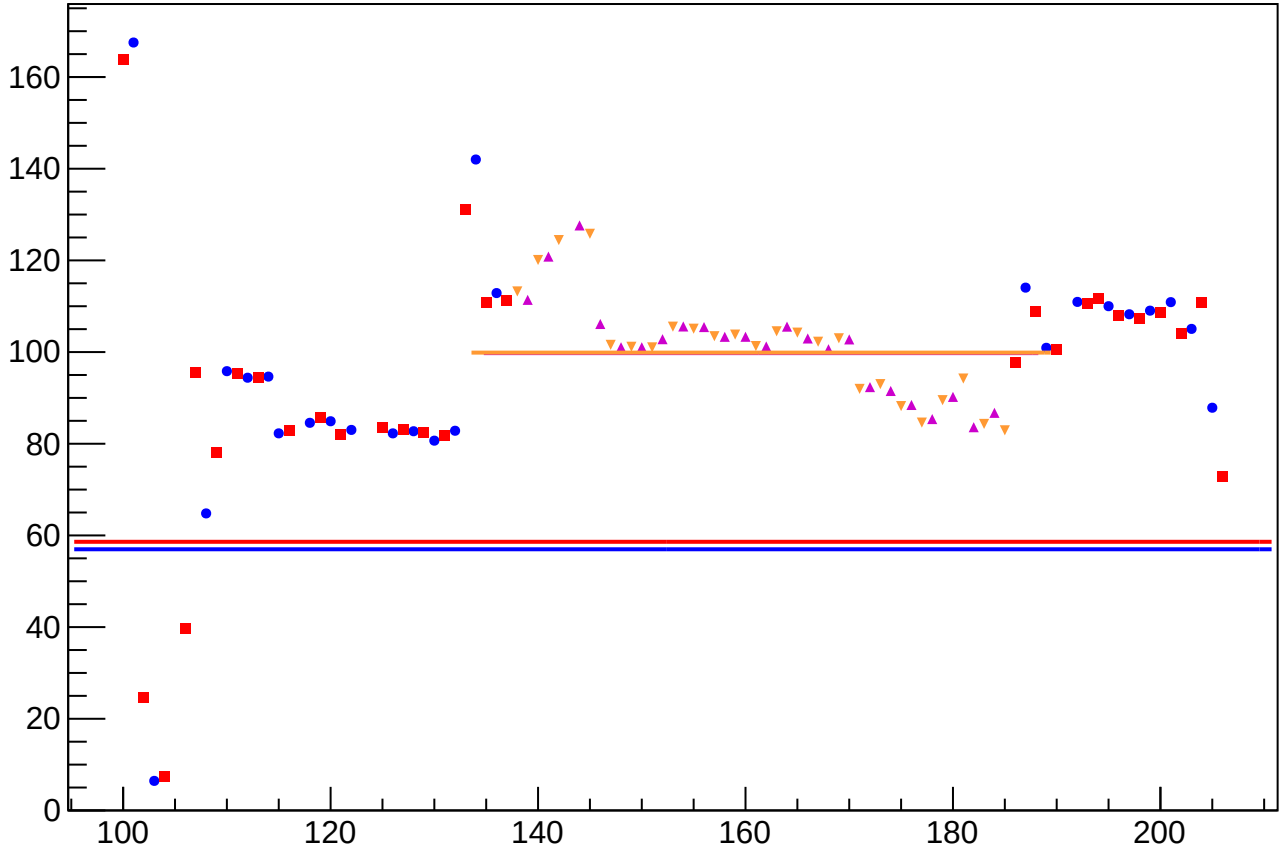
In: -155.199+/-0.527 χ^2/NDF:20762.9/47

Out: -157.107+/-0.484 χ^2/NDF:27386.6/52

All: -156.233+/-0.356 χ^2/NDF: 48156.7/100


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -30.284+/-0.901 χ²/NDF: 545.3/24
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -24.053+/-0.820 χ²/NDF: 712.1/28
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -26.878+/-0.606 χ²/NDF: 1283.6/53
In: -38.603+/-0.538 χ²/NDF:1083.7/47
Out: -35.651+/-0.516 χ²/NDF:1653.1/52
All: -37.067+/-0.372 χ²/NDF: 2752.5/100

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 56.978+/-0.040 χ^2/NDF: 1482458.8/24

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 58.610+/-0.039 χ^2/NDF: 1288958.3/28

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

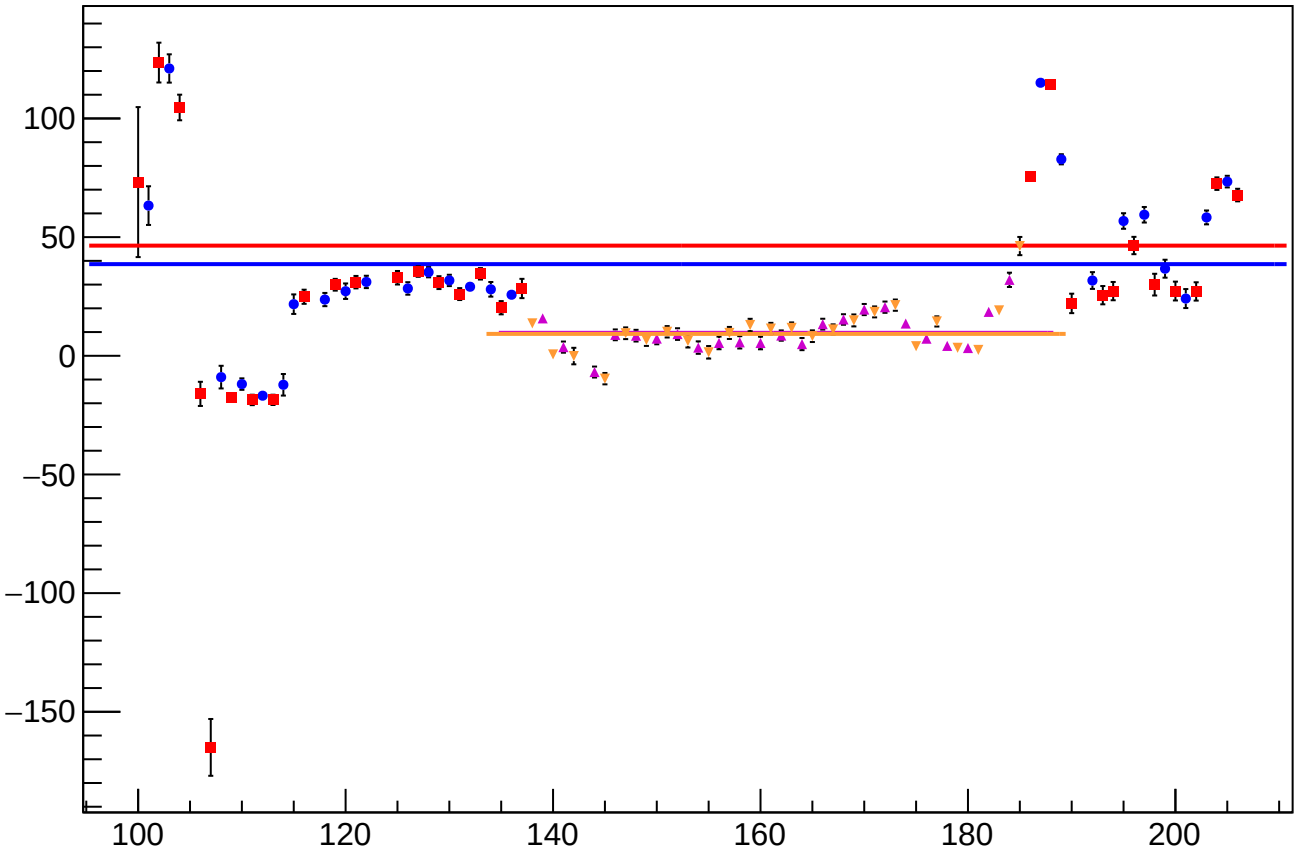
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 57.824+/-0.028 χ^2/NDF: 2772276.3/53

In: 84.050+/-0.024 χ^2/NDF:2316581.8/47

Out: 83.859+/-0.024 χ^2/NDF:2111070.6/52

All: 83.953+/-0.017 χ^2/NDF: 4427683.5/100



Right In: 38.620+/-0.553 χ^2/NDF: 4017.7/24

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 46.419+/-0.488 χ^2/NDF: 8005.0/28

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

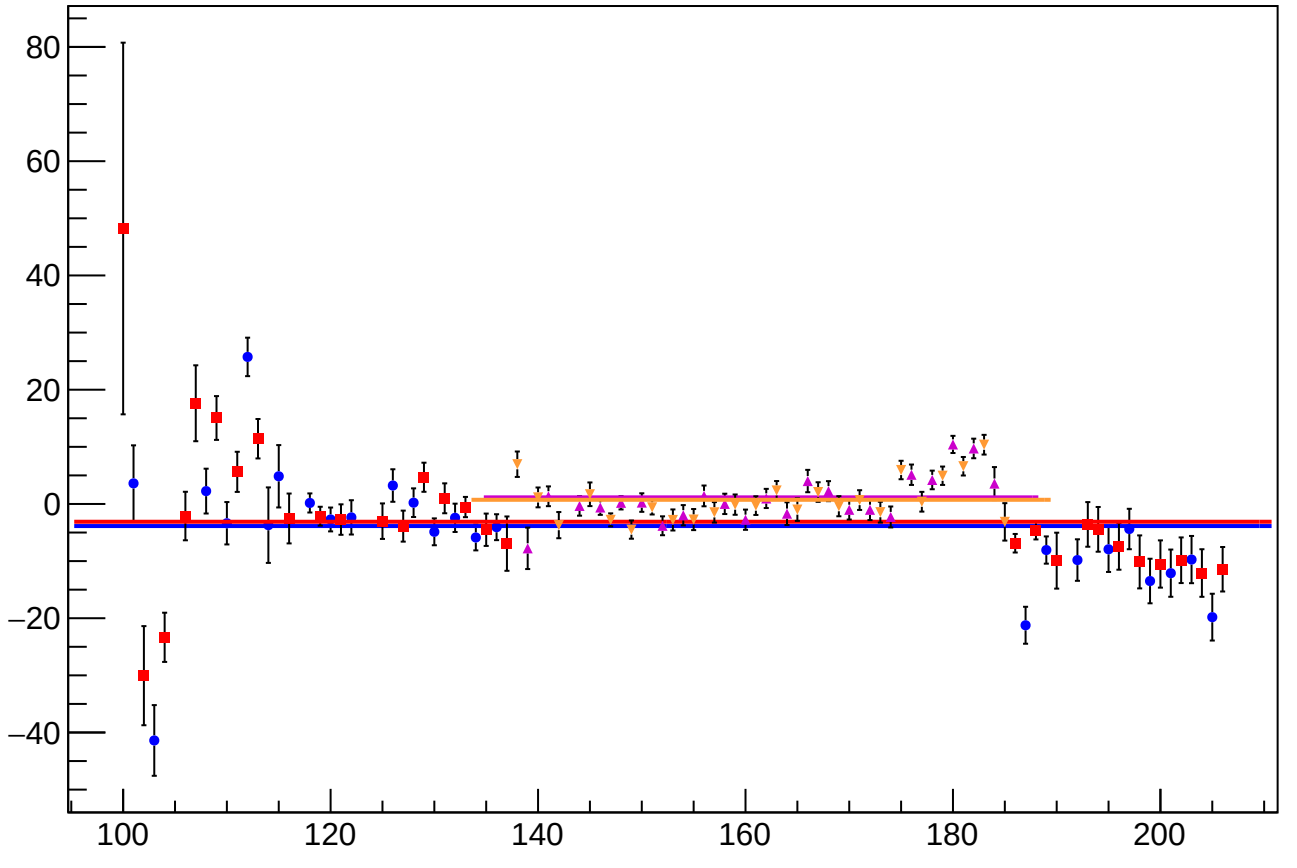
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 42.999+/-0.366 χ^2/NDF: 12134.5/53

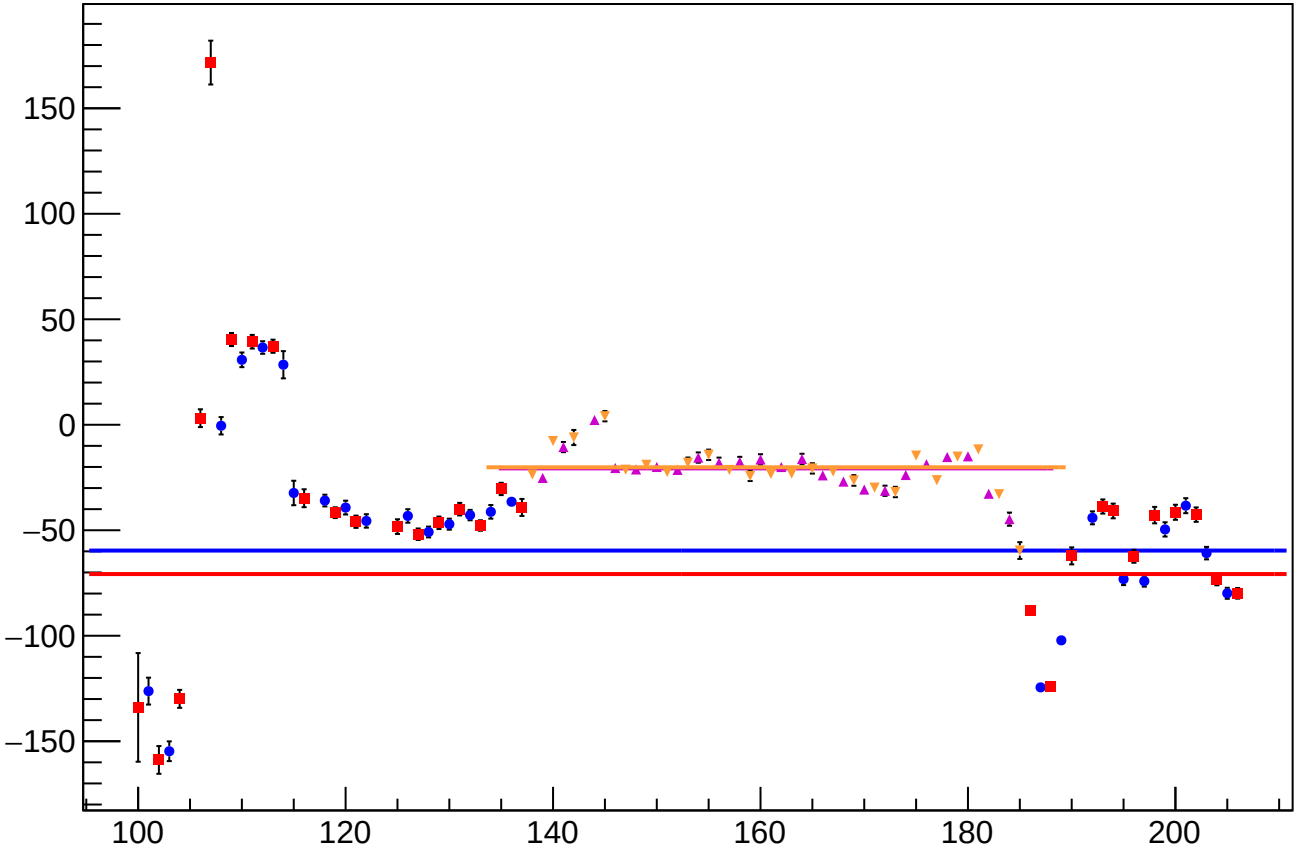
In: 21.592+/-0.355 χ^2/NDF:5877.6/47

Out: 26.565+/-0.333 χ^2/NDF:11427.5/52

All: 24.231+/-0.243 χ^2/NDF: 17409.5/100


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
120
140
160
180
200
Right In: -3.866+/-0.600 χ²/NDF: 199.8/24
Left Out: 0.730+/-0.350 χ²/NDF:109.7/23
Right Out: -3.111+/-0.554 χ²/NDF: 132.6/28
Left In: 1.156+/-0.358 χ²/NDF:110.4/22
Left: 0.939+/-0.250 χ²/NDF: 220.9/46
Right: -3.459+/-0.407 χ²/NDF: 333.3/53
In: -0.160+/-0.307 χ²/NDF:362.0/47
Out: -0.362+/-0.296 χ²/NDF:276.6/52
All: -0.265+/-0.213 χ²/NDF: 638.9/100

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.628+/-0.567 χ^2/NDF: 5406.8/24

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.760+/-0.474 χ^2/NDF: 9658.8/28

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

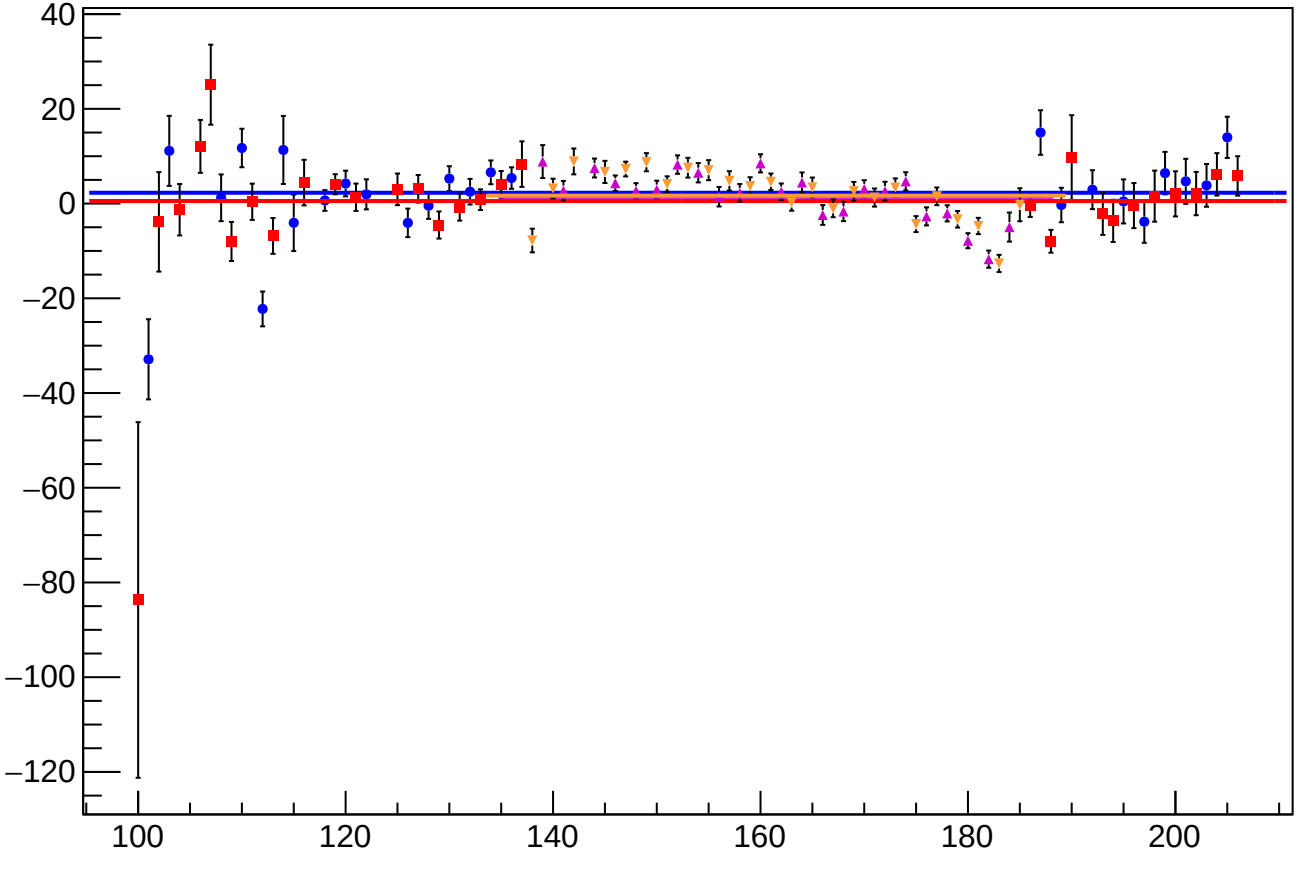
Right: -66.183+/-0.363 χ^2/NDF: 15292.8/53

In: -36.051+/-0.356 χ^2/NDF:8575.1/47

Out: -44.297+/-0.327 χ^2/NDF:16049.1/52

All: -40.522+/-0.241 χ^2/NDF: 24915.1/100

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.286+/-0.699 χ^2/NDF: 102.3/24

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.538+/-0.668 χ^2/NDF: 56.8/28

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

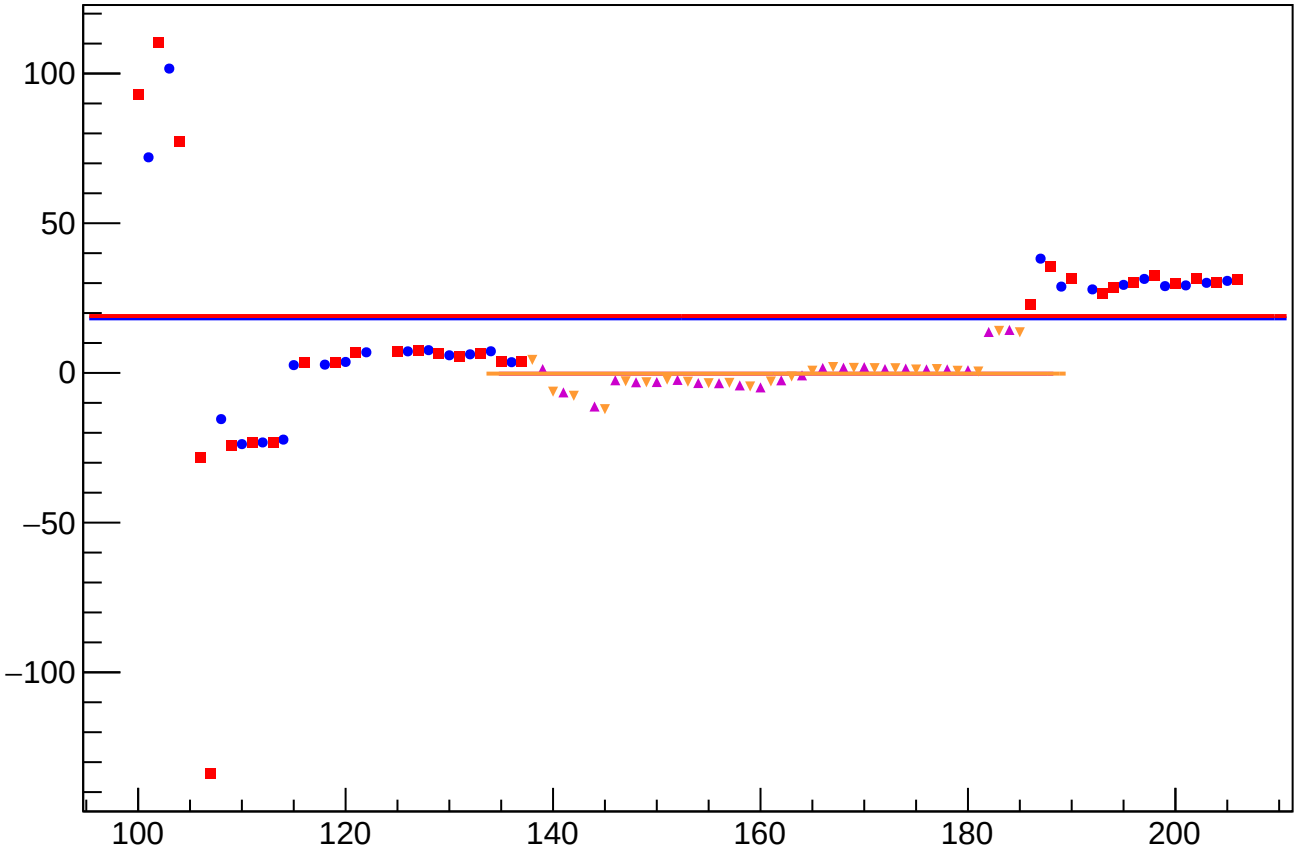
Right: 1.373+/-0.483 χ^2/NDF: 162.3/53

In: 1.642+/-0.349 χ^2/NDF:266.2/47

Out: 1.378+/-0.340 χ^2/NDF:236.9/52

All: 1.506+/-0.243 χ^2/NDF: 503.4/100

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 18.228+/-0.035 χ^2/NDF: 407861.0/24

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 19.000+/-0.034 χ^2/NDF: 588859.9/28

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

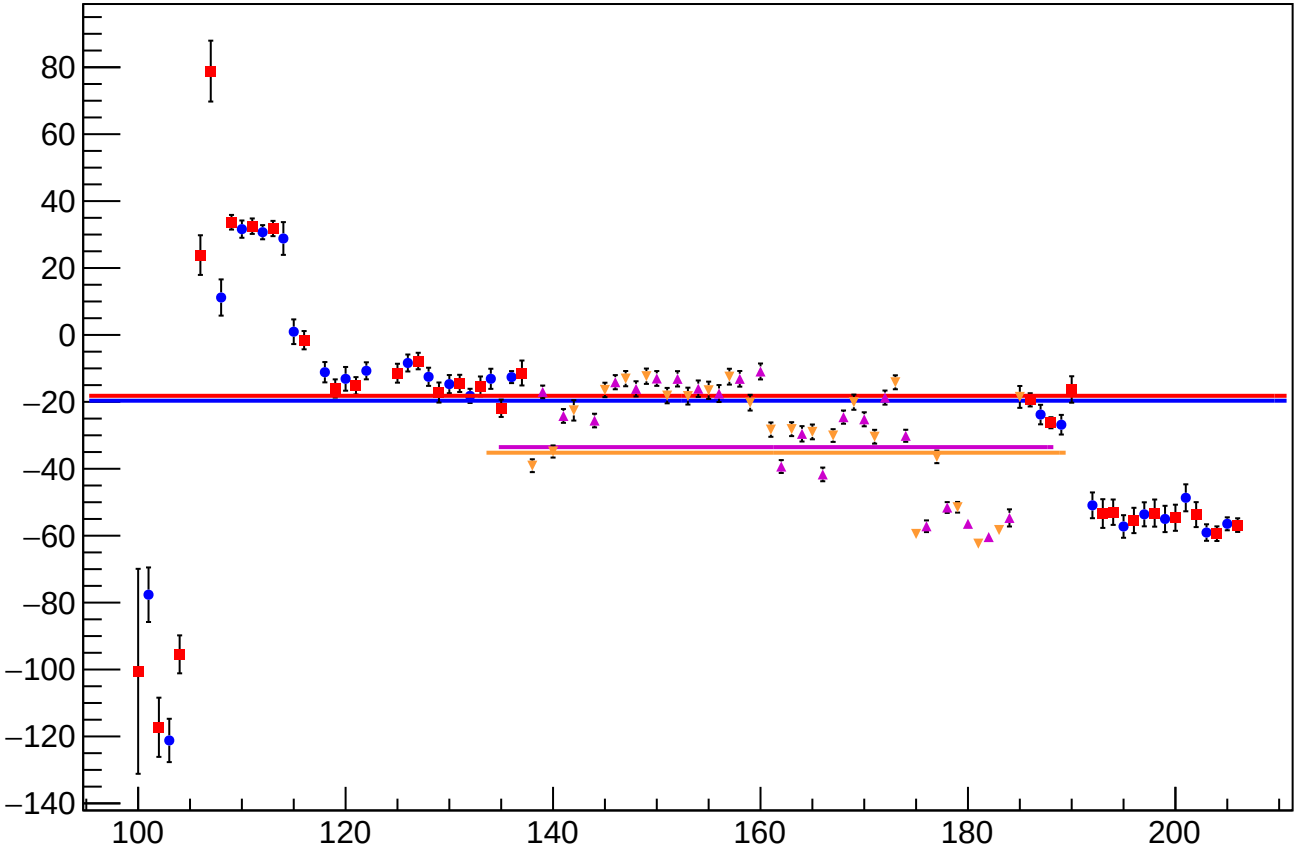
Right: 18.627+/-0.025 χ^2/NDF: 996967.4/53

In: 3.457+/-0.016 χ^2/NDF:699748.2/47

Out: 3.817+/-0.016 χ^2/NDF:919933.0/52

All: 3.639+/-0.011 χ^2/NDF: 1619942.0/100

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.659+/-0.578 χ^2/NDF: 2525.8/24

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -18.192+/-0.534 χ^2/NDF: 3314.3/28

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

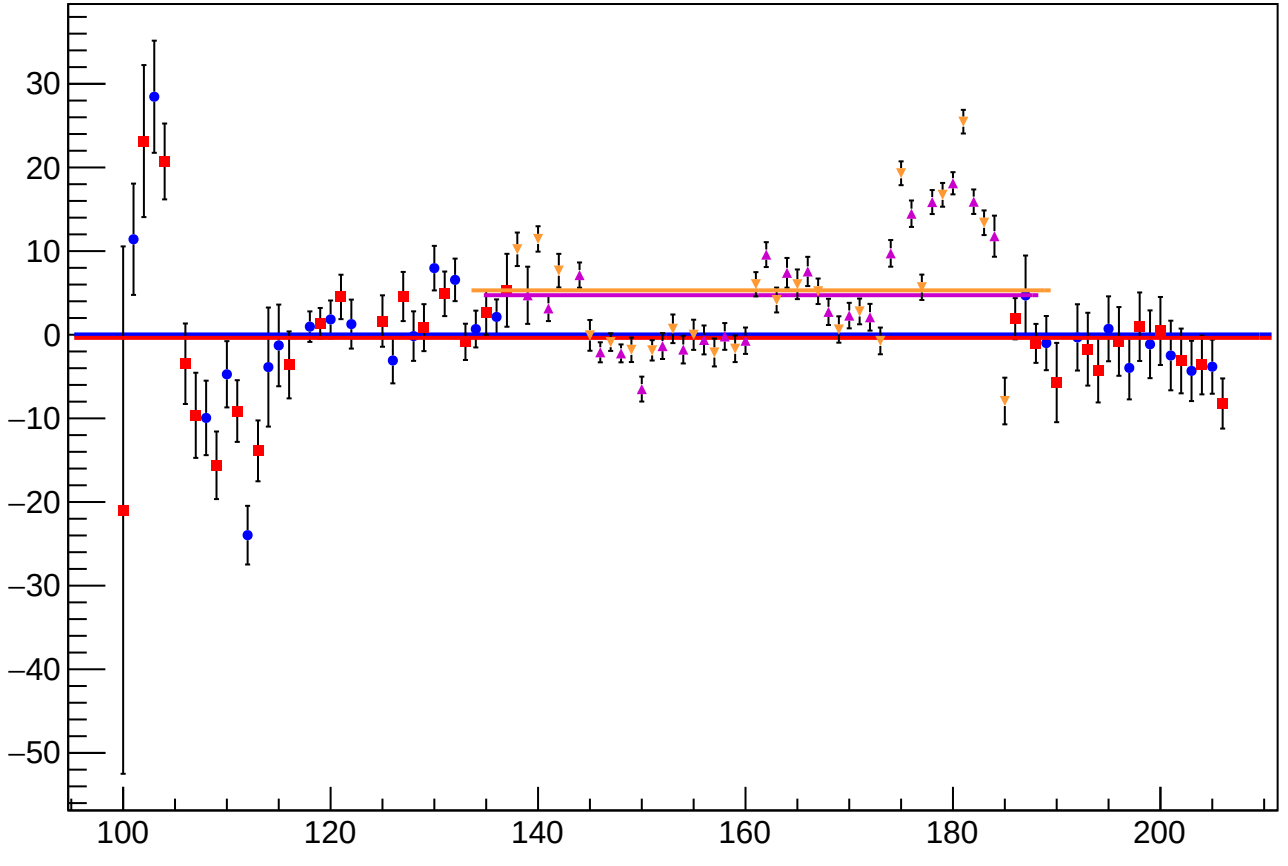
Right: -18.868+/-0.392 χ^2/NDF: 5843.6/53

In: -28.826+/-0.336 χ^2/NDF:4713.0/47

Out: -28.930+/-0.324 χ^2/NDF:5805.3/52

All: -28.880+/-0.233 χ^2/NDF: 10518.4/100

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.035+/-0.630 χ^2/NDF: 99.0/24

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.373+/-0.608 χ^2/NDF: 93.1/28

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

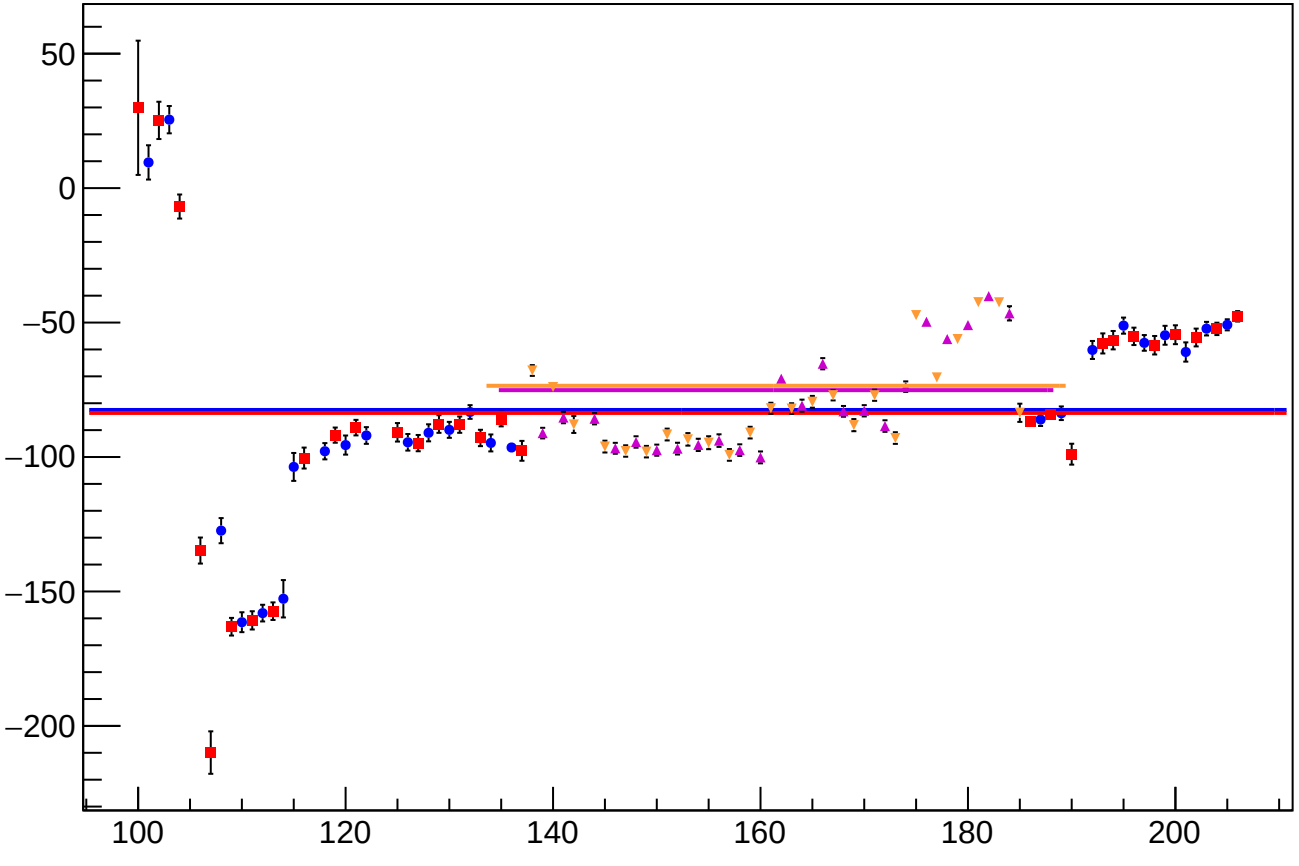
Right: -0.177+/-0.437 χ^2/NDF: 192.4/53

In: 3.758+/-0.286 χ^2/NDF:639.1/47

Out: 4.105+/-0.280 χ^2/NDF:786.4/52

All: 3.935+/-0.200 χ^2/NDF: 1426.2/100

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.505+/-0.607 χ^2/NDF: 2778.6/24

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -83.600+/-0.541 χ^2/NDF: 3548.6/28

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

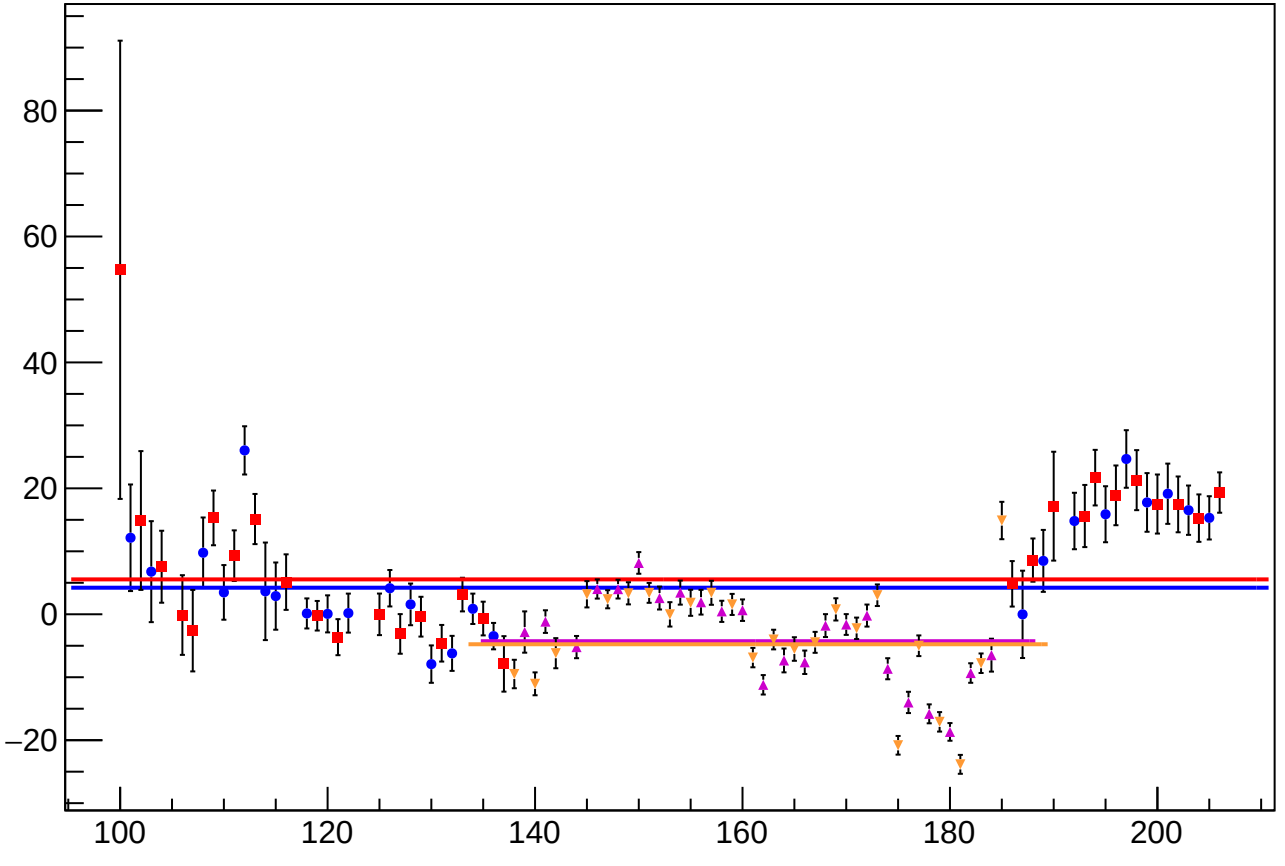
Right: -83.116+/-0.404 χ^2/NDF: 6329.0/53

In: -77.442+/-0.340 χ^2/NDF:5241.7/47

Out: -77.136+/-0.324 χ^2/NDF:6163.6/52

All: -77.282+/-0.235 χ^2/NDF: 11405.8/100

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.219+/-0.719 χ^2/NDF: 159.9/24

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 5.541+/-0.710 χ^2/NDF: 152.7/28

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

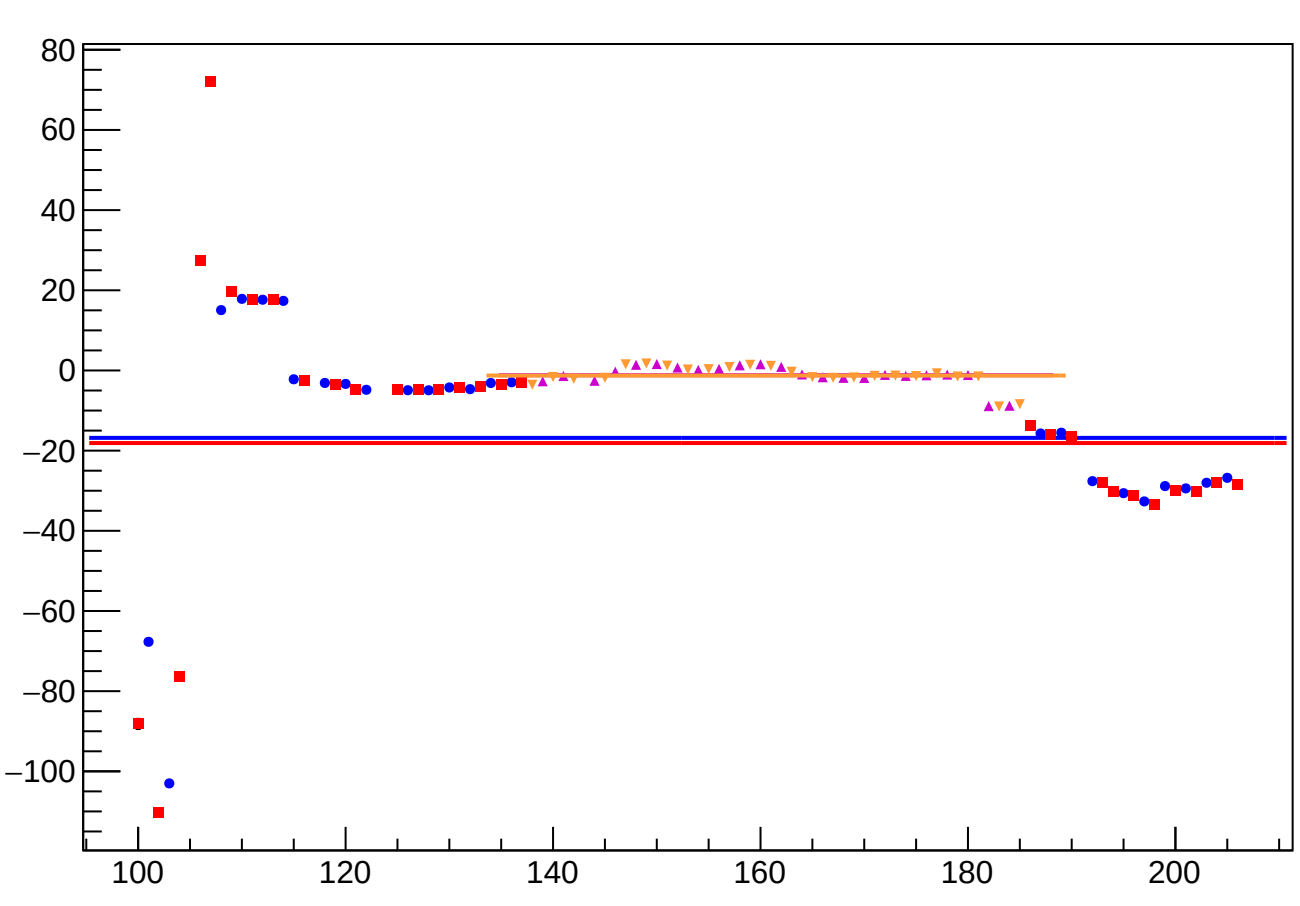
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 4.889+/-0.505 χ^2/NDF: 314.3/53

In: -2.570+/-0.323 χ^2/NDF:695.5/47

Out: -2.704+/-0.317 χ^2/NDF:898.1/52

All: -2.638+/-0.226 χ^2/NDF: 1593.7/100



Right In: -16.813+/-0.035 χ^2/NDF: 360414.3/24

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -18.106+/-0.035 χ^2/NDF: 462512.5/28

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

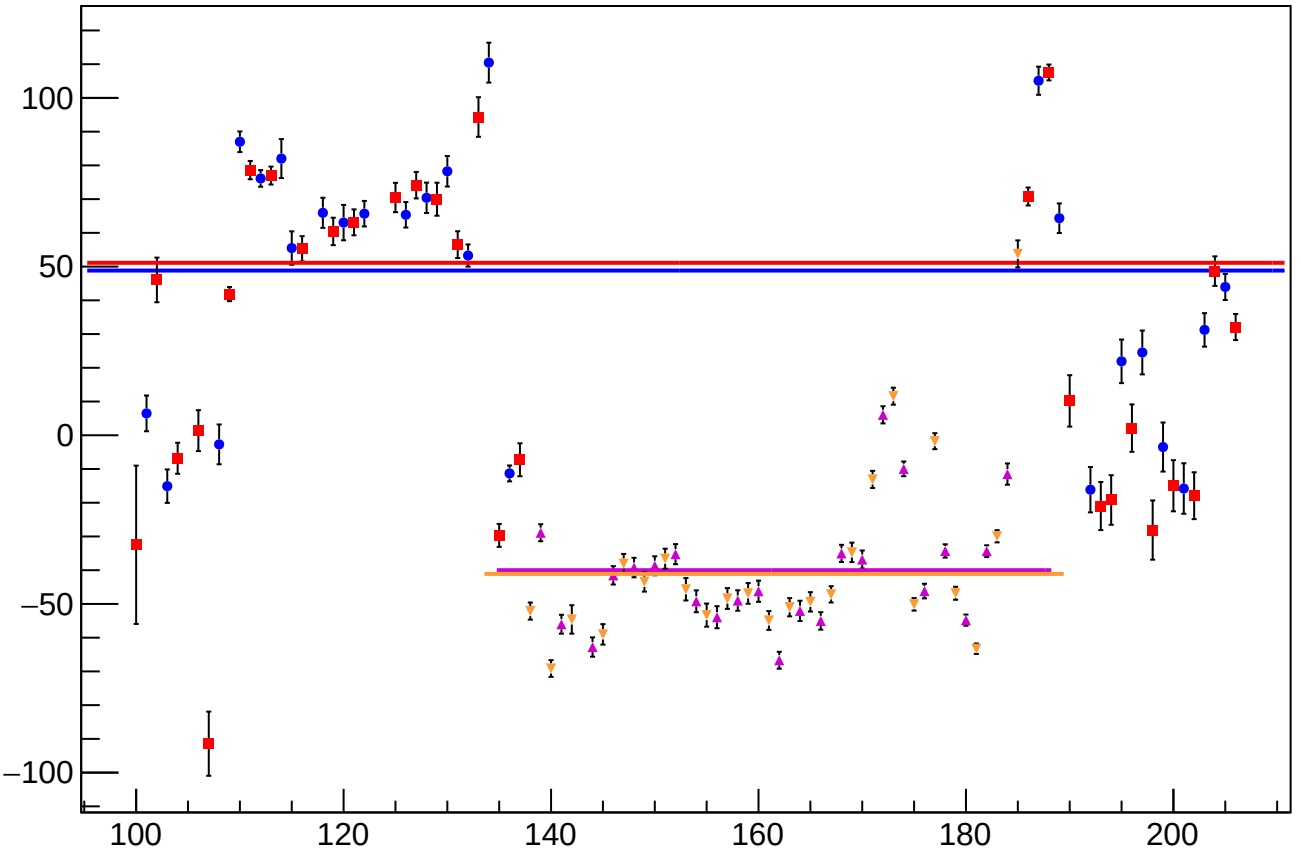
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -17.476+/-0.025 χ^2/NDF: 823610.2/53

In: -3.817+/-0.015 χ^2/NDF:547118.8/47

Out: -4.203+/-0.014 χ^2/NDF:684062.0/52

All: -4.012+/-0.010 χ^2/NDF: 1231536.6/100



Right In: 48.824+/-0.846 χ^2/NDF: 1966.4/24

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.124+/-0.753 χ^2/NDF: 2711.5/28

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

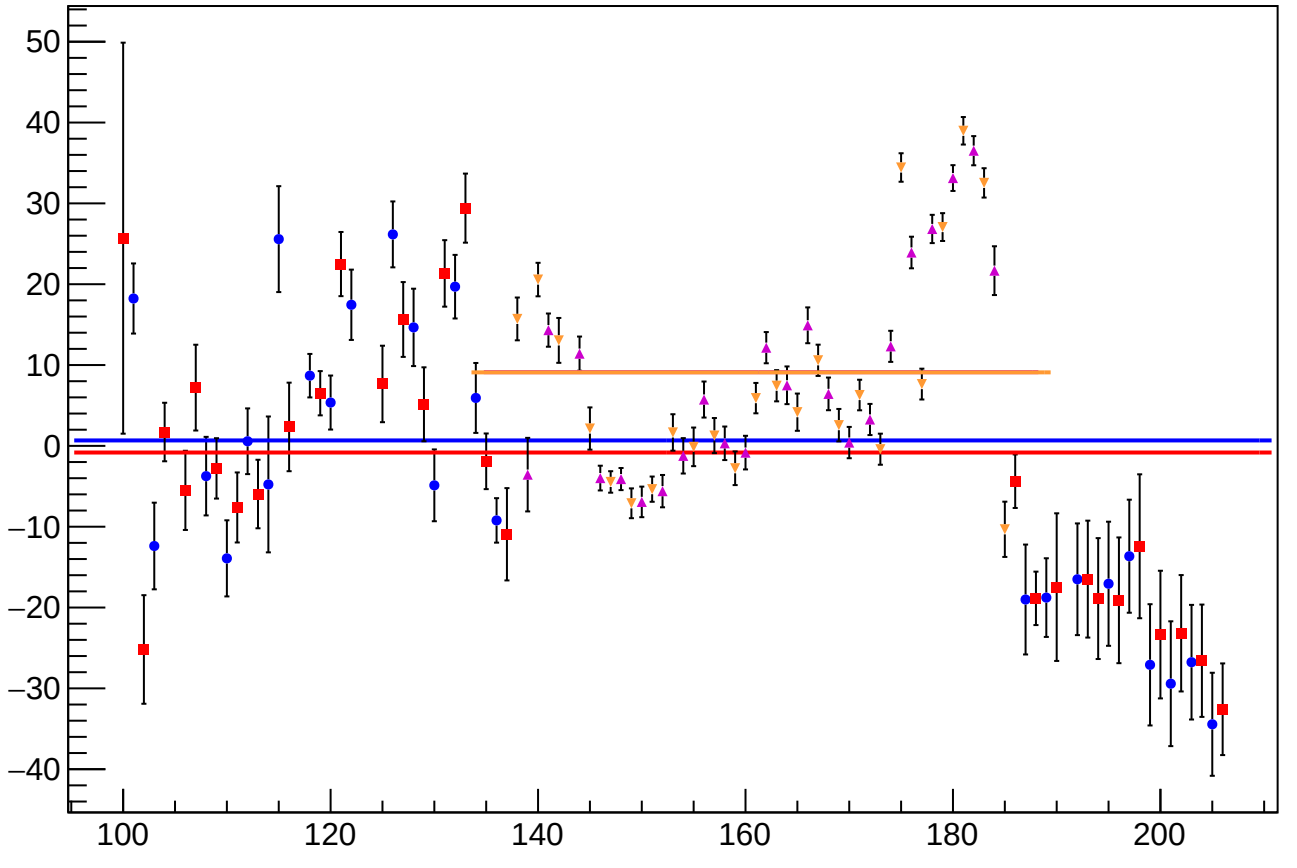
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 50.108+/-0.562 χ^2/NDF: 4682.0/53

In: -15.357+/-0.446 χ^2/NDF:10961.5/47

Out: -11.524+/-0.426 χ^2/NDF:14849.0/52

All: -13.356+/-0.308 χ^2/NDF: 25849.1/100



Right In: 0.673+/-0.928 χ^2/NDF: 274.6/24

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -0.822+/-0.876 χ^2/NDF: 279.1/28

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

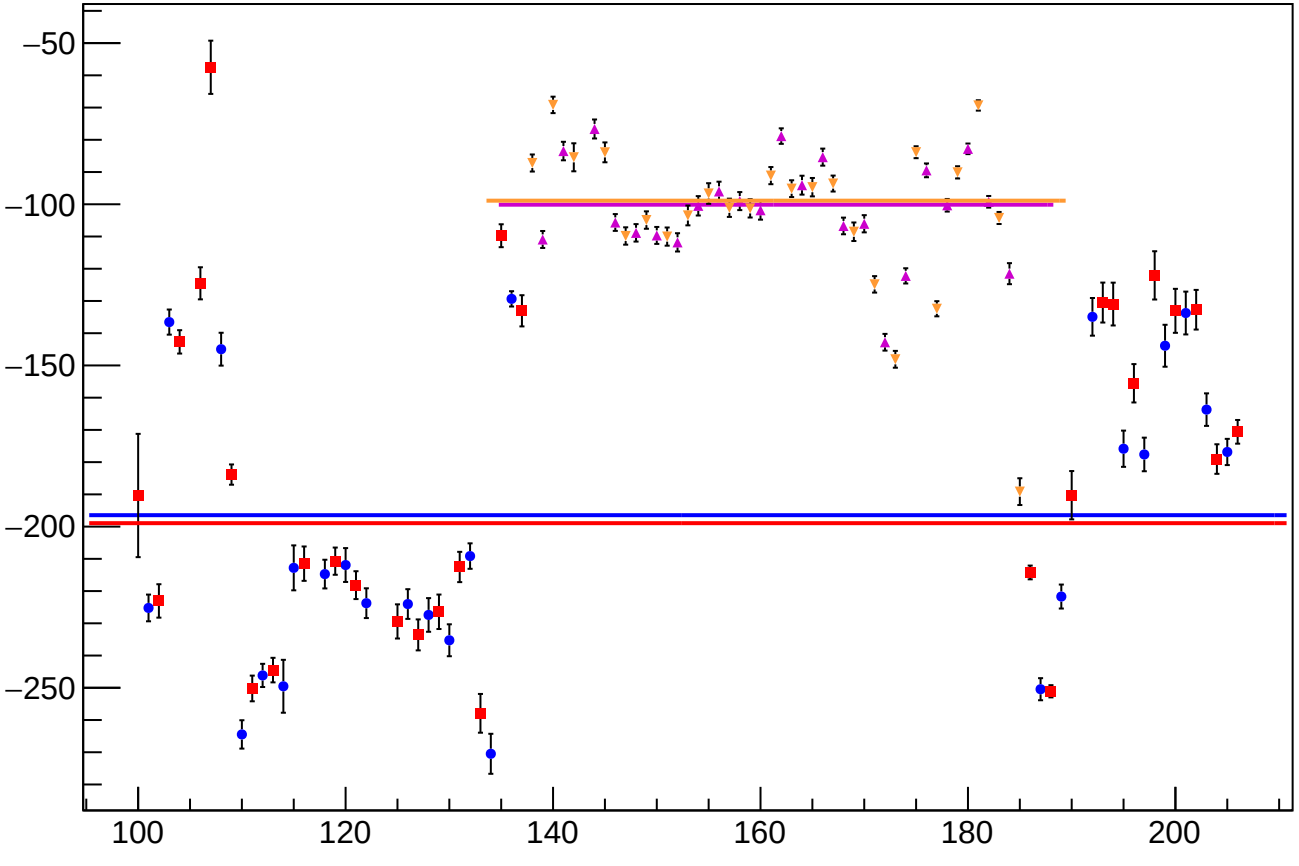
Right: -0.118+/-0.637 χ^2/NDF: 555.0/53

In: 7.748+/-0.374 χ^2/NDF:1395.7/47

Out: 7.373+/-0.365 χ^2/NDF:1638.8/52

All: 7.556+/-0.261 χ^2/NDF: 3035.1/100

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -196.453+/-0.893 χ^2/NDF: 2657.7/24

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -198.932+/-0.781 χ^2/NDF: 3657.5/28

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

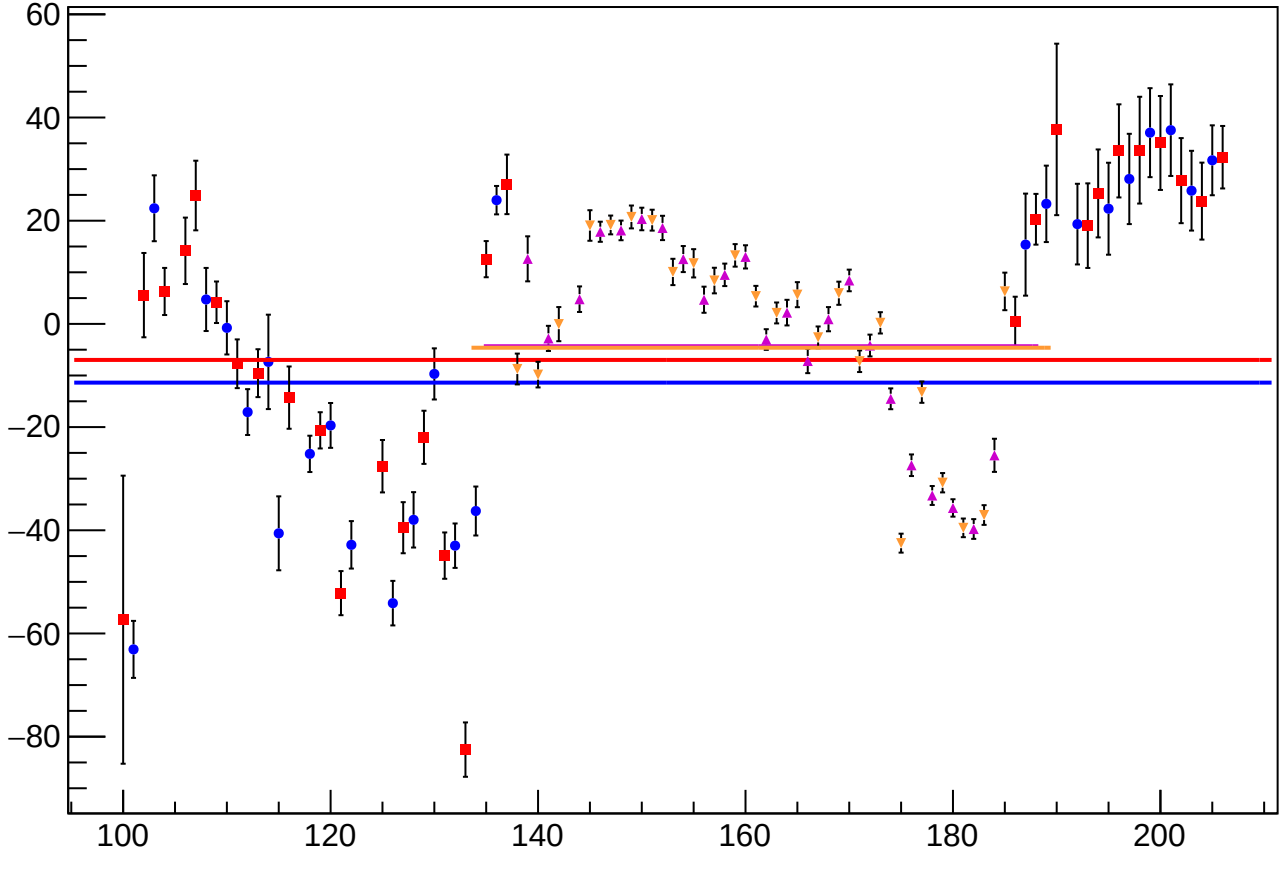
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.858+/-0.588 χ^2/NDF: 6319.6/53

In: -124.512+/-0.449 χ^2/NDF:12165.2/47

Out: -129.107+/-0.430 χ^2/NDF:16921.3/52

All: -126.914+/-0.311 χ^2/NDF: 29141.1/100



Right In: -11.383+/-1.067 χ^2/NDF: 784.9/24

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -6.983+/-1.026 χ^2/NDF: 792.8/28

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

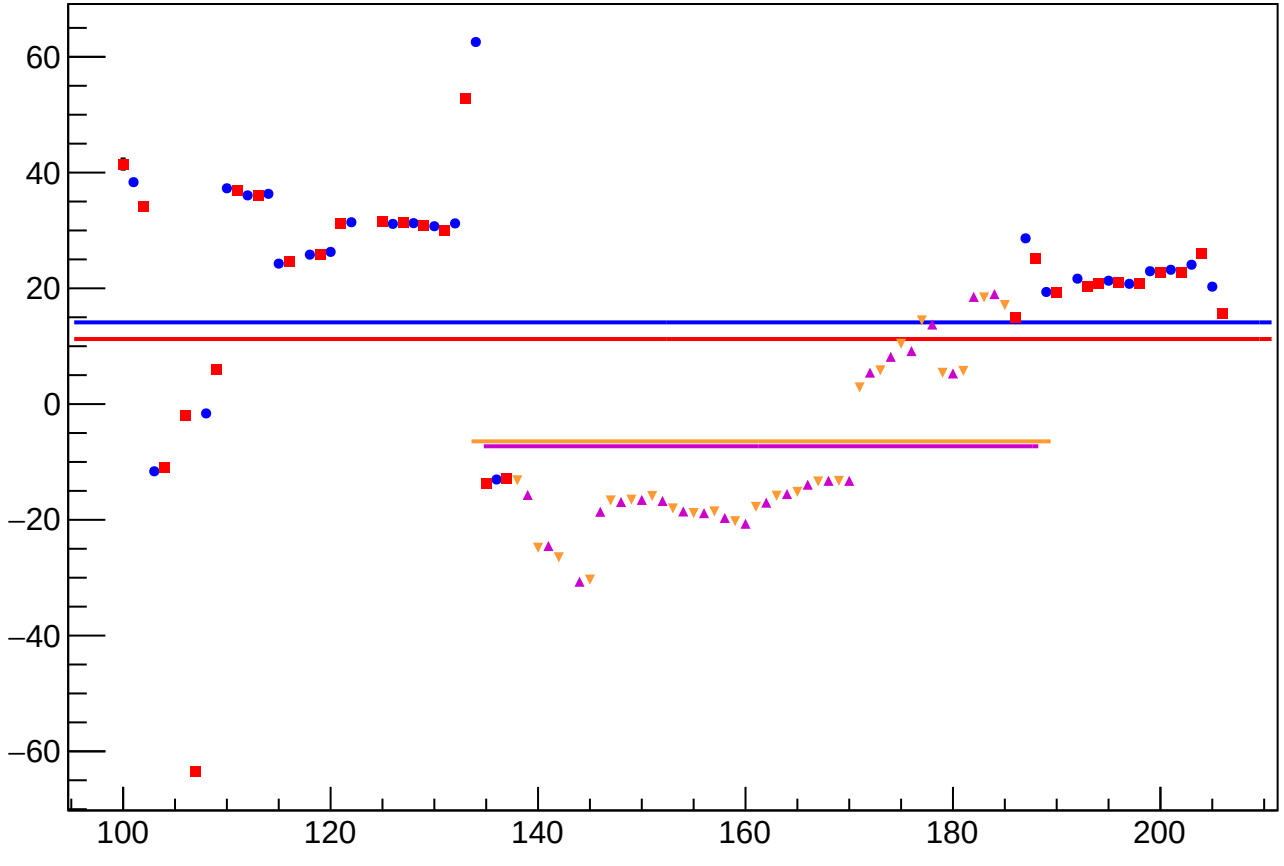
Right: -9.097+/-0.739 χ^2/NDF: 1586.5/53

In: -5.430+/-0.421 χ^2/NDF:2675.9/47

Out: -5.002+/-0.413 χ^2/NDF:2875.6/52

All: -5.211+/-0.295 χ^2/NDF: 5552.1/100

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.118+/-0.053 χ^2/NDF: 175049.7/24

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.243+/-0.051 χ^2/NDF: 177898.6/28

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

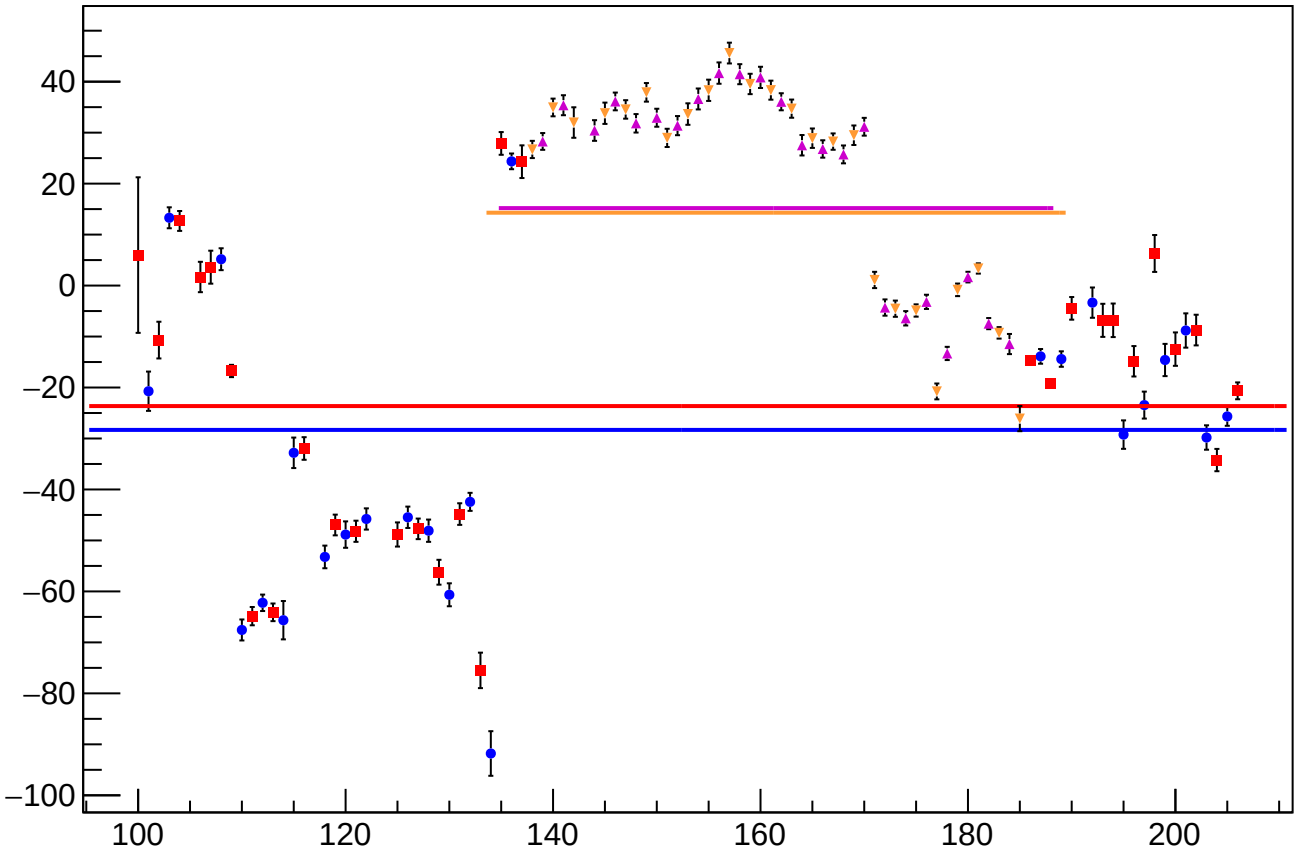
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.624+/-0.036 χ^2/NDF: 354498.1/53

In: -4.520+/-0.019 χ^2/NDF:807314.7/47

Out: -4.009+/-0.019 χ^2/NDF:779886.6/52

All: -4.262+/-0.013 χ^2/NDF: 1587568.5/100



Right In: -28.316+/-0.435 χ^2/NDF: 3933.1/24

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.641+/-0.361 χ^2/NDF: 3800.2/28

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

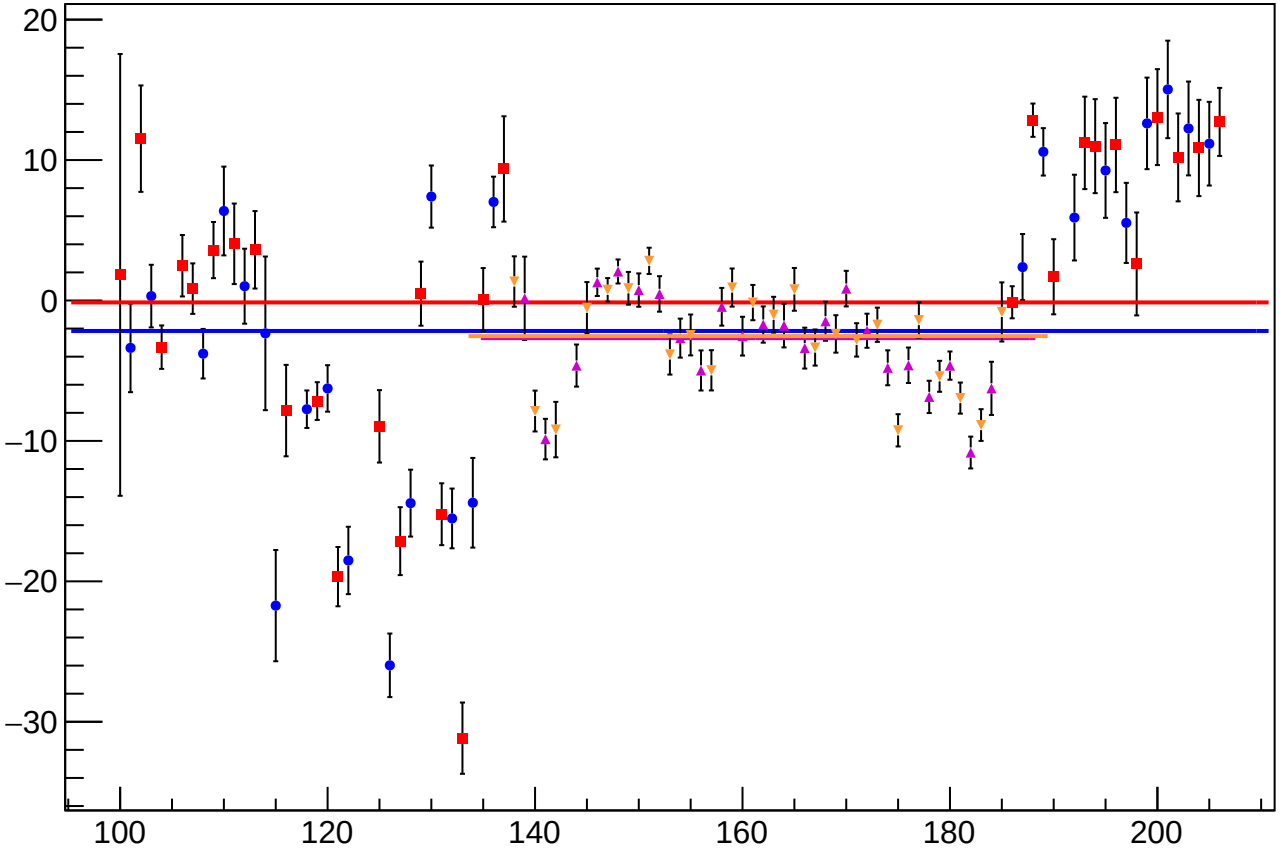
Right: -25.552+/-0.278 χ^2/NDF: 7801.6/53

In: -1.285+/-0.268 χ^2/NDF:13563.5/47

Out: -3.248+/-0.246 χ^2/NDF:13449.3/52

All: -2.349+/-0.181 χ^2/NDF: 27042.0/100

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.170+/-0.472 χ^2/NDF: 511.6/24

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.137+/-0.411 χ^2/NDF: 624.6/28

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

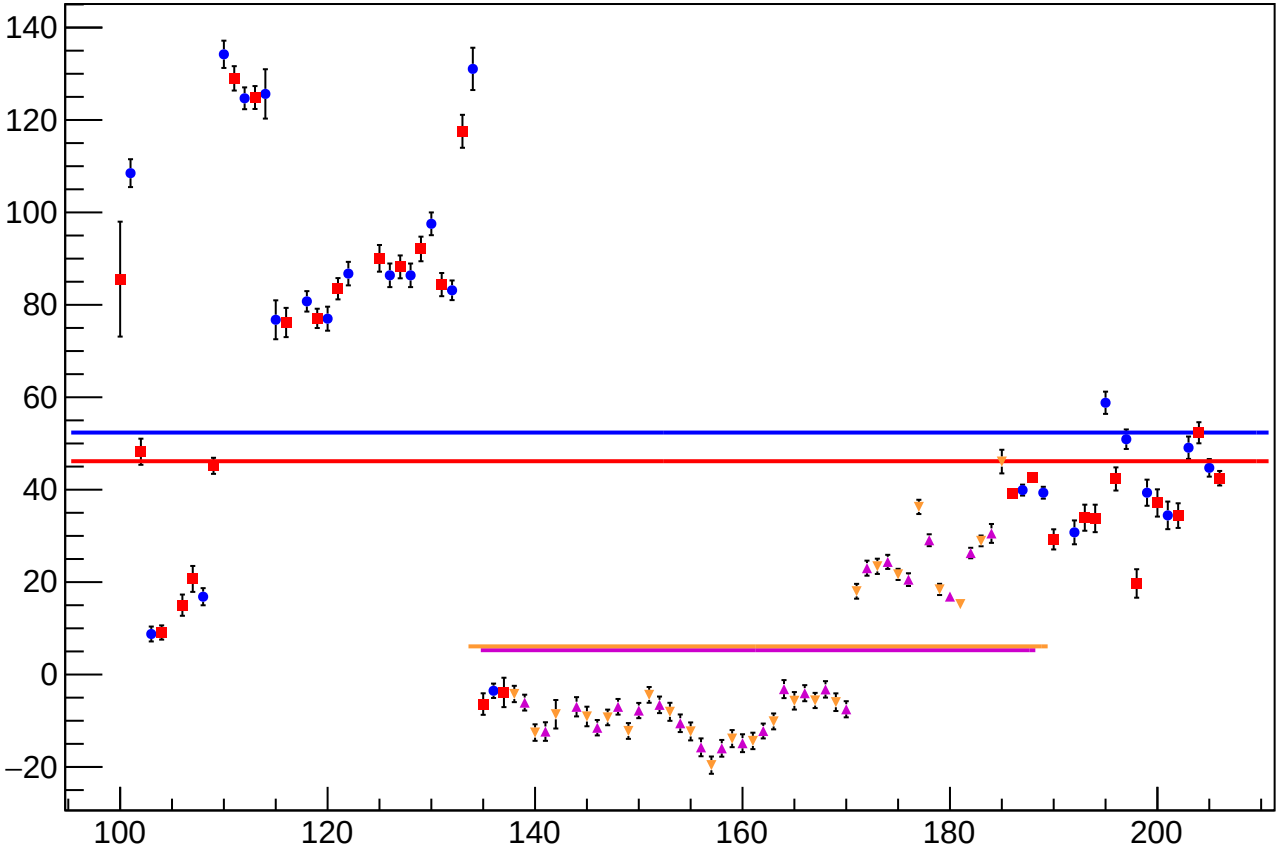
Right: -1.013+/-0.310 χ^2/NDF: 1146.8/53

In: -2.559+/-0.231 χ^2/NDF:694.6/47

Out: -1.855+/-0.219 χ^2/NDF:847.5/52

All: -2.188+/-0.159 χ^2/NDF: 1546.9/100

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.362+/-0.431 χ^2/NDF: 6662.8/24

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.163+/-0.343 χ^2/NDF: 5958.9/28

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

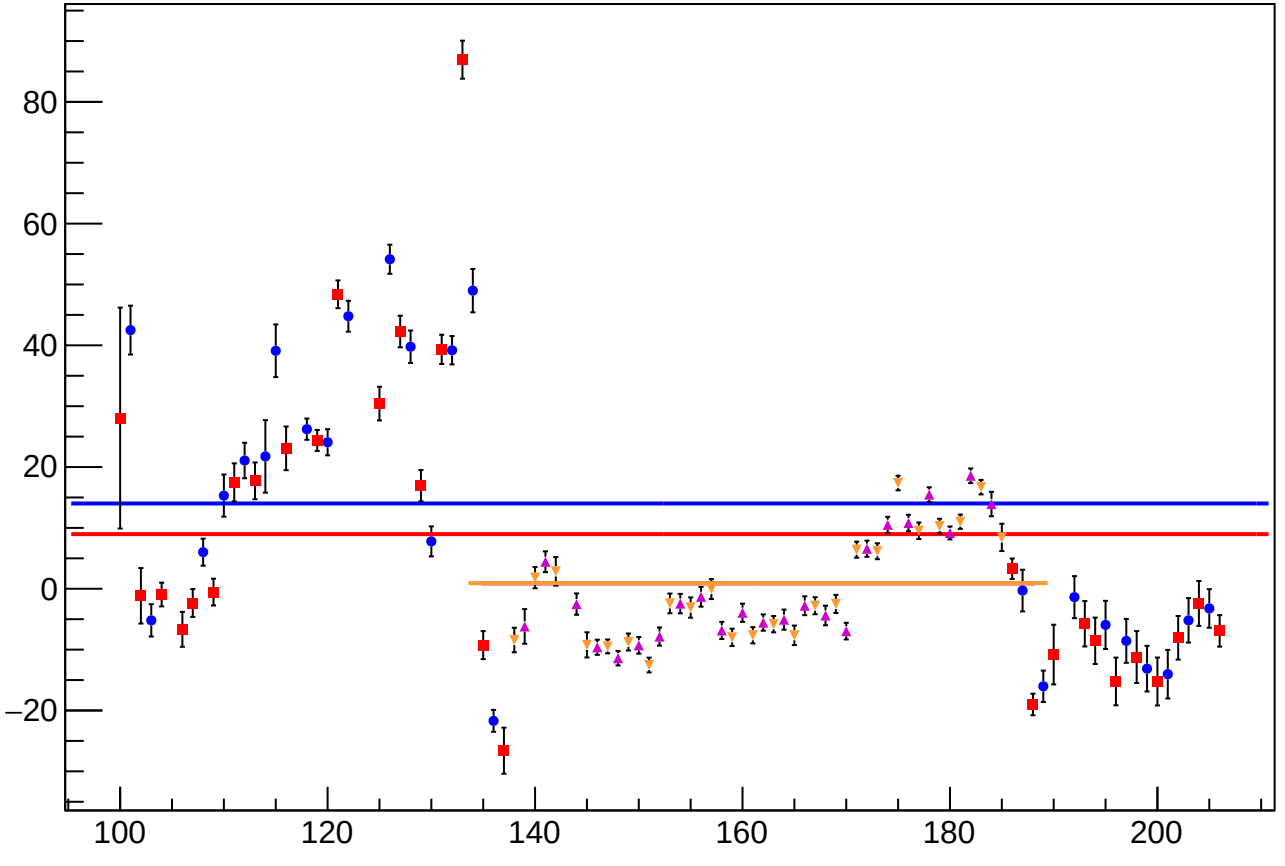
Right: 48.569+/-0.269 χ^2/NDF: 12748.3/53

In: 23.102+/-0.265 χ^2/NDF:16529.2/47

Out: 25.506+/-0.239 χ^2/NDF:15752.2/52

All: 24.429+/-0.178 χ^2/NDF: 32326.7/100

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.013+/-0.558 χ^2/NDF: 1758.8/24

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 8.975+/-0.502 χ^2/NDF: 2165.5/28

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

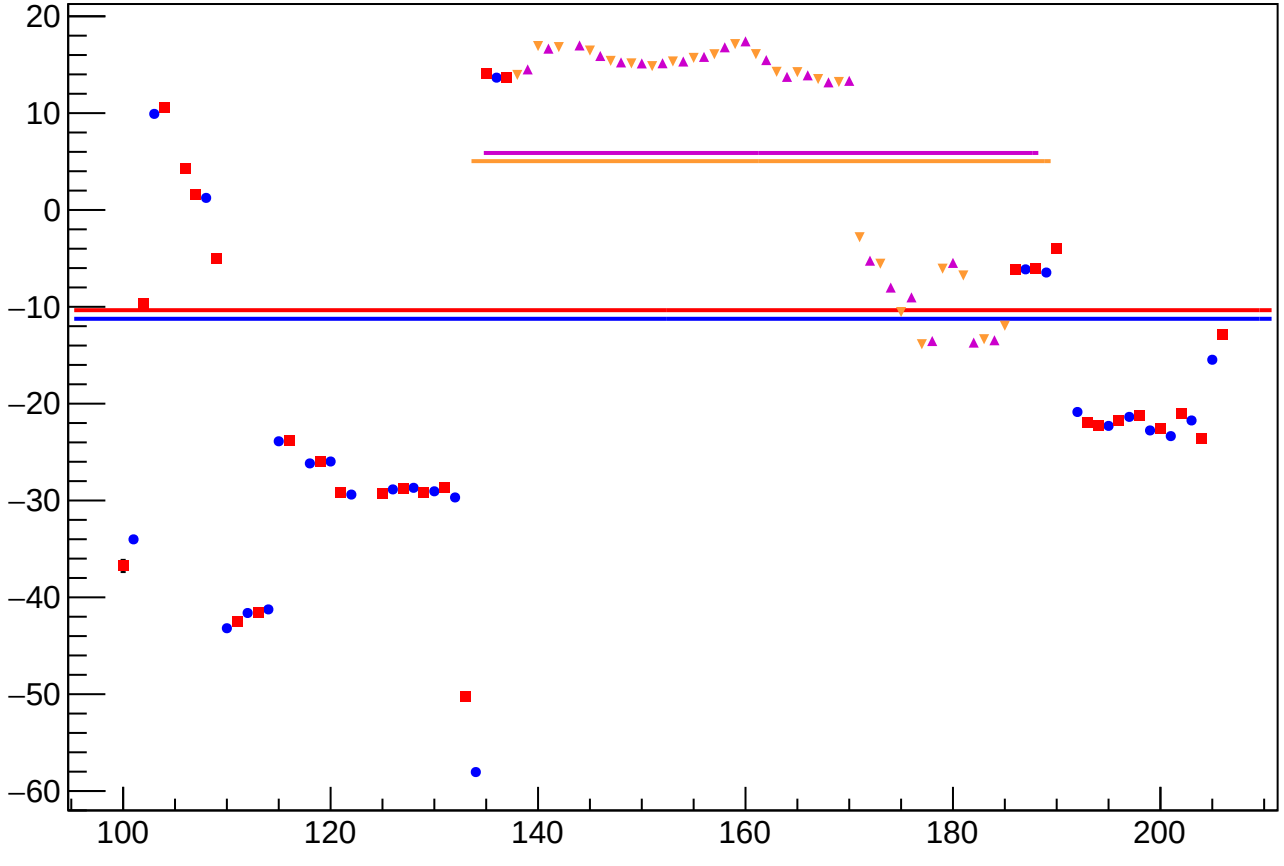
Right: 11.229+/-0.373 χ^2/NDF: 3969.3/53

In: 3.779+/-0.262 χ^2/NDF:3196.1/47

Out: 2.958+/-0.252 χ^2/NDF:3398.9/52

All: 3.353+/-0.182 χ^2/NDF: 6600.1/100

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.238+/-0.026 χ^2/NDF: 487832.4/24

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.347+/-0.024 χ^2/NDF: 407371.3/28

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

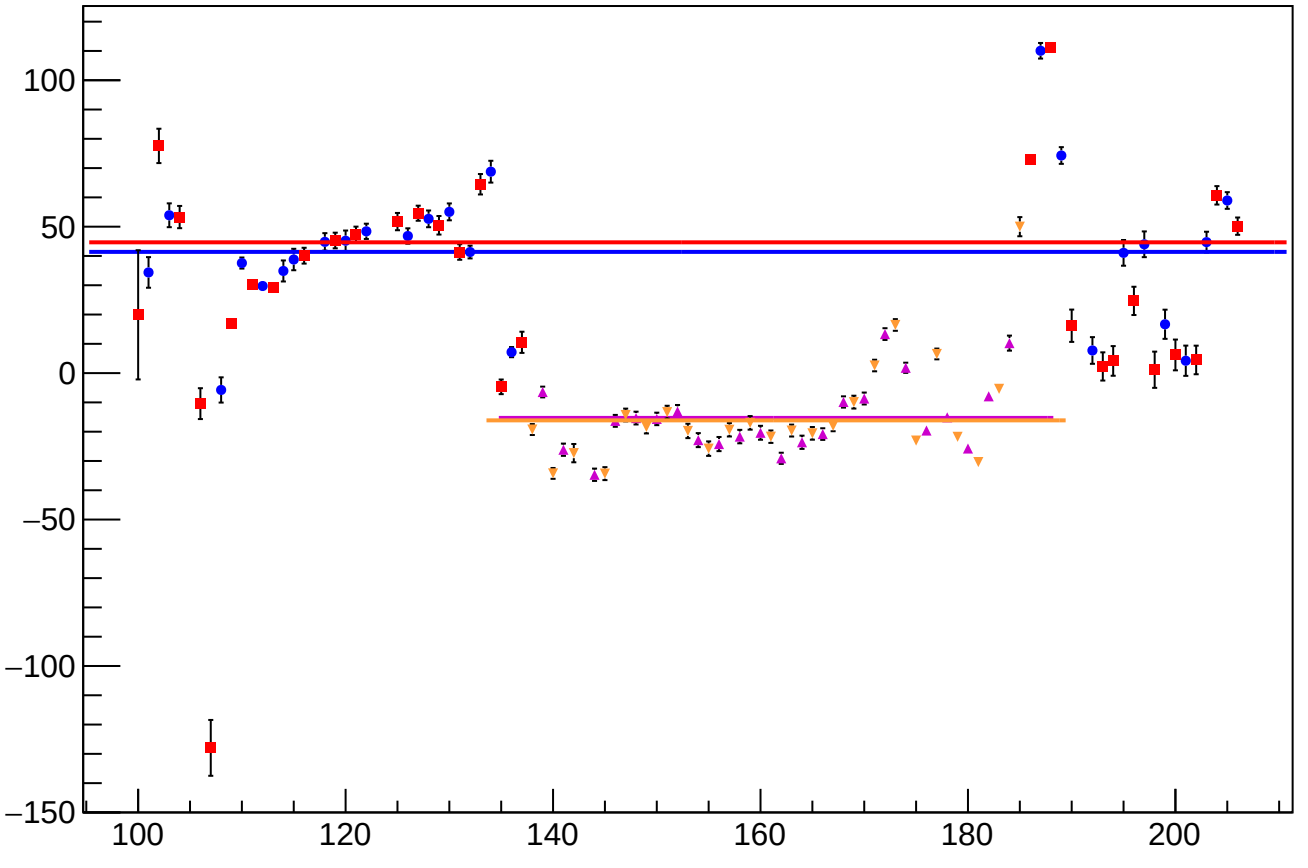
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.761+/-0.018 χ^2/NDF: 895834.1/53

In: 2.388+/-0.012 χ^2/NDF:1680782.4/47

Out: 1.563+/-0.011 χ^2/NDF:1576770.9/52

All: 1.967+/-0.008 χ^2/NDF: 3260076.5/100



Right In: 41.393+/-0.576 χ^2/NDF: 1654.3/24

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.657+/-0.515 χ^2/NDF: 4094.4/28

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

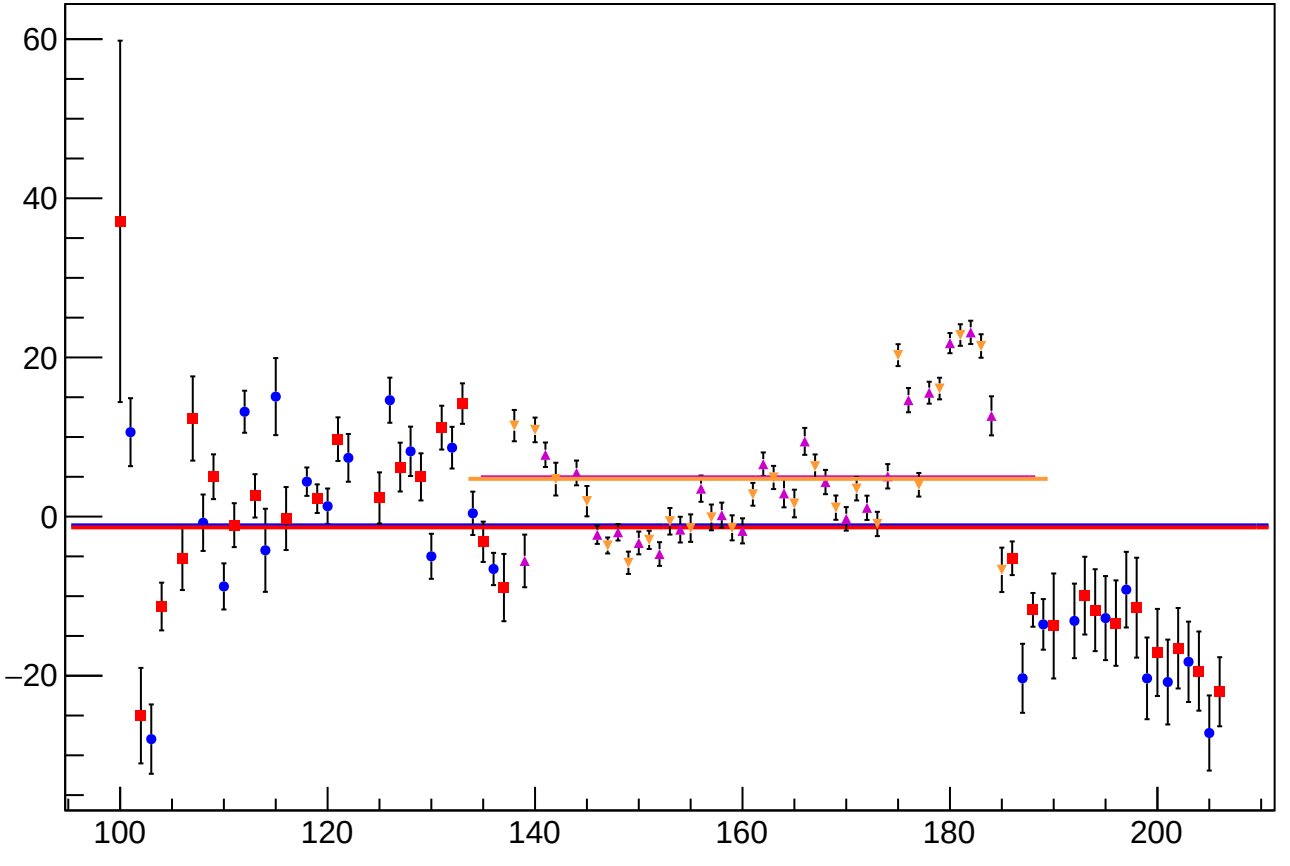
Right: 43.206+/-0.384 χ^2/NDF: 5766.5/53

In: 3.360+/-0.330 χ^2/NDF:8919.8/47

Out: 6.588+/-0.315 χ^2/NDF:14182.5/52

All: 5.051+/-0.228 χ^2/NDF: 23152.3/100

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.101+/-0.637 χ^2/NDF: 294.1/24

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -1.353+/-0.605 χ^2/NDF: 237.2/28

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

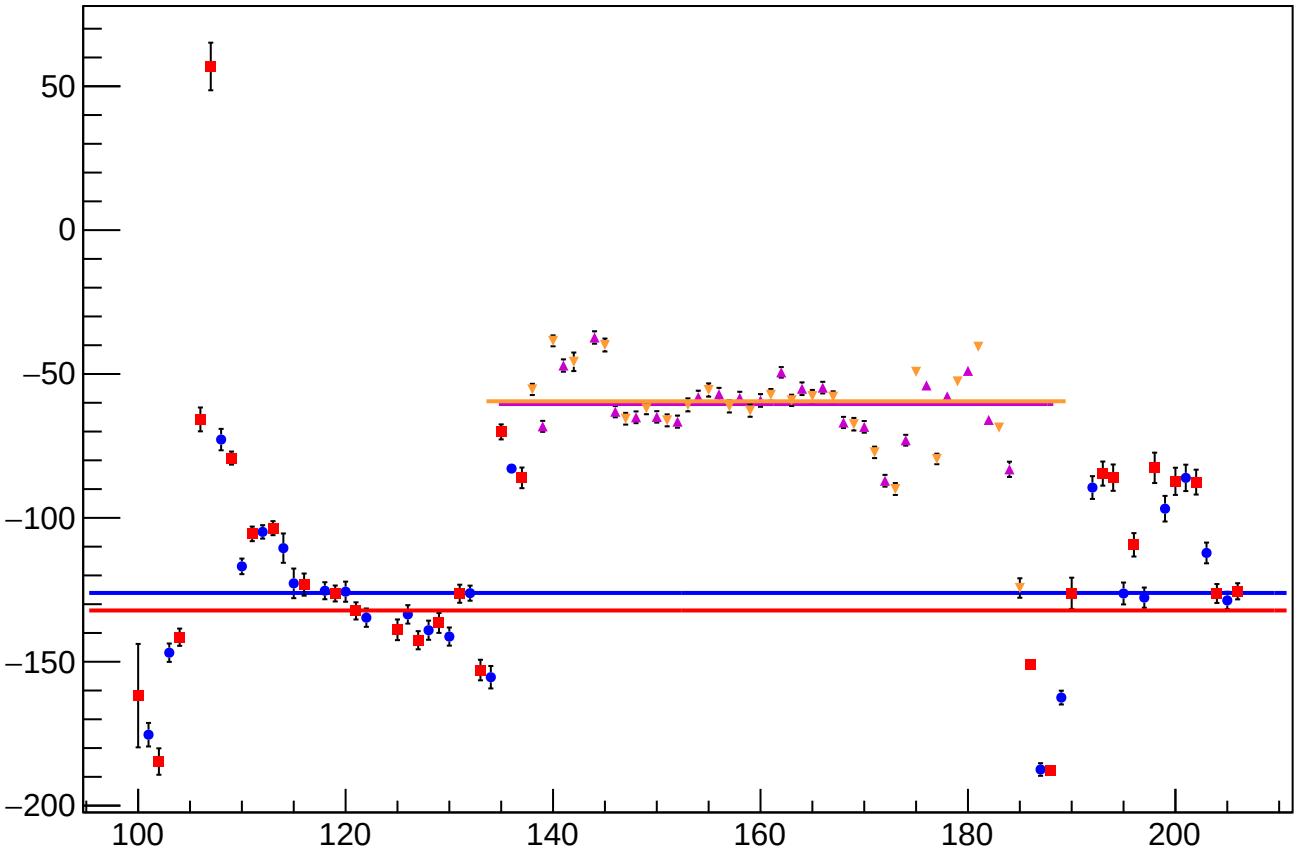
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -1.233+/-0.439 χ^2/NDF: 531.4/53

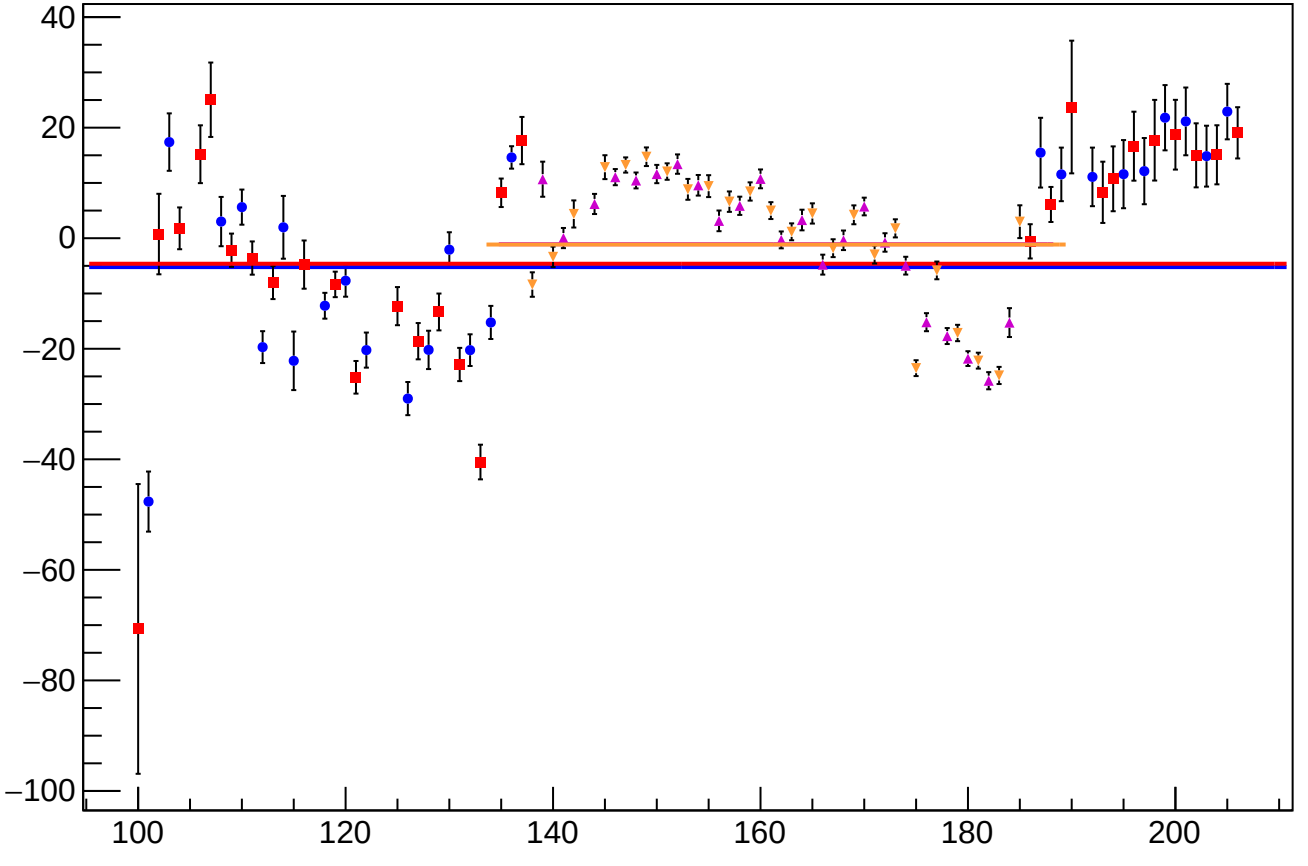
In: 3.760+/-0.281 χ^2/NDF:1054.8/47

Out: 3.500+/-0.273 χ^2/NDF:1111.8/52

All: 3.627+/-0.196 χ^2/NDF: 2167.0/100


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -126.089+/-0.617 χ²/NDF: 2448.5/24
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -132.181+/-0.536 χ²/NDF: 5325.2/28
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -129.562+/-0.405 χ²/NDF: 7829.3/53
In: -79.832+/-0.335 χ²/NDF:11095.9/47
Out: -85.075+/-0.318 χ²/NDF:18628.3/52
All: -82.594+/-0.231 χ²/NDF: 29852.9/100

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.225+/-0.732 χ^2/NDF: 513.0/24

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -4.619+/-0.711 χ^2/NDF: 463.2/28

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

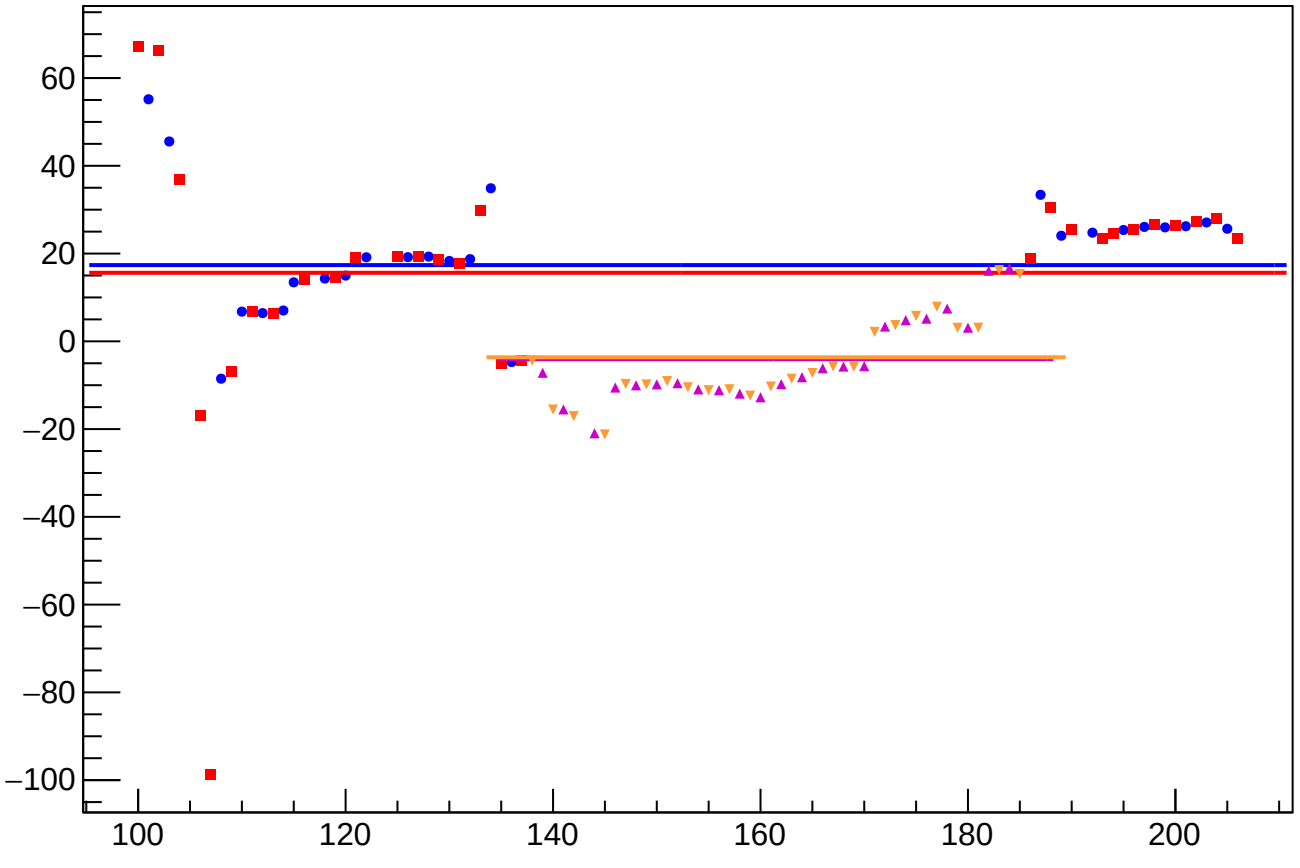
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -4.913+/-0.510 χ^2/NDF: 976.6/53

In: -1.859+/-0.317 χ^2/NDF:1696.4/47

Out: -1.808+/-0.311 χ^2/NDF:1785.5/52

All: -1.833+/-0.222 χ^2/NDF: 3481.9/100



Right In: 17.372+/-0.037 χ^2/NDF: 208507.5/24

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.620+/-0.037 χ^2/NDF: 343148.5/28

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

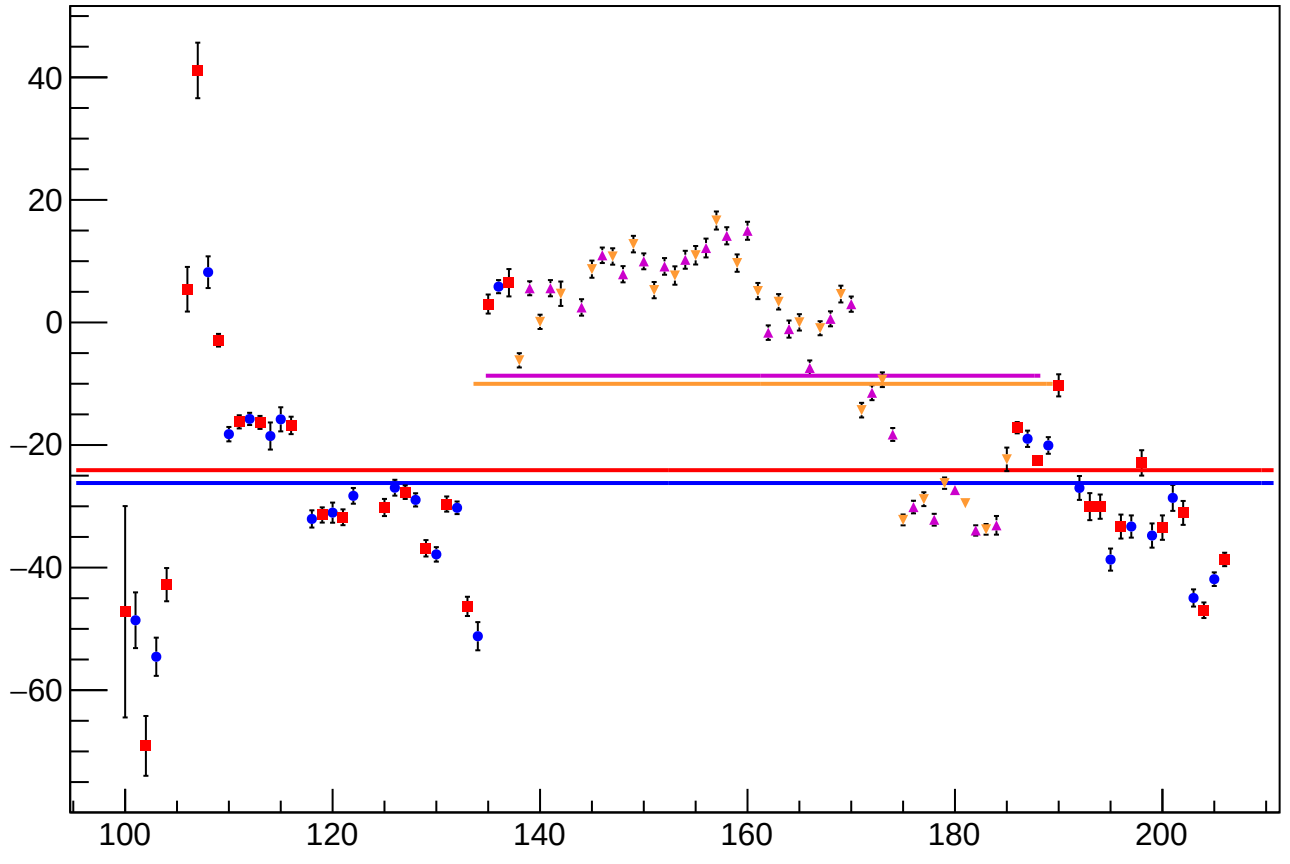
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.479+/-0.026 χ^2/NDF: 552772.2/53

In: -0.940+/-0.014 χ^2/NDF:822144.5/47

Out: -0.741+/-0.014 χ^2/NDF:922766.7/52

All: -0.840+/-0.010 χ^2/NDF: 1745008.4/100



Right In: -26.201+/-0.290 χ^2/NDF: 2148.6/24

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -24.104+/-0.264 χ^2/NDF: 2557.2/28

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

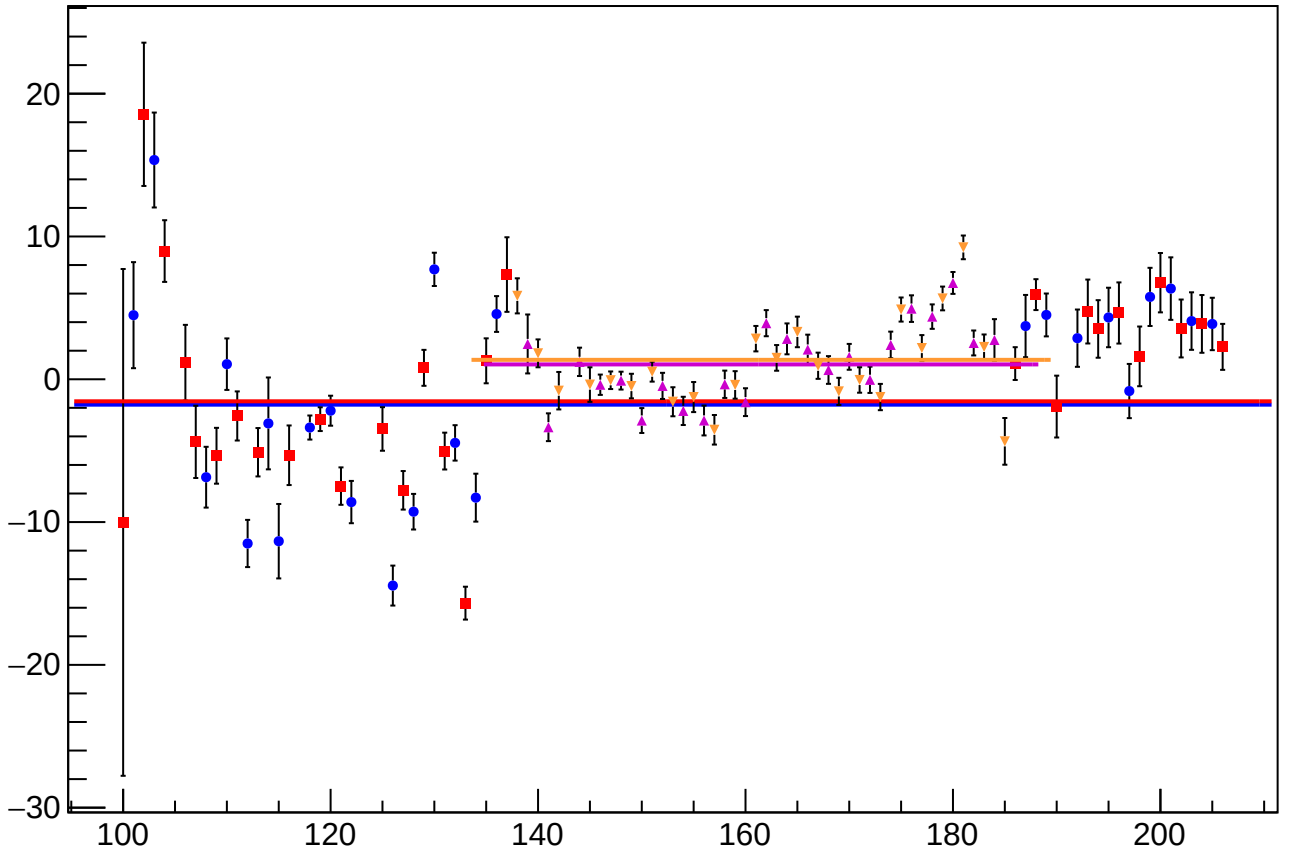
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -25.054+/-0.195 χ^2/NDF: 4734.5/53

In: -16.085+/-0.188 χ^2/NDF:9281.9/47

Out: -16.522+/-0.179 χ^2/NDF:9071.1/52

All: -16.314+/-0.130 χ^2/NDF: 18355.8/100



Right In: -1.778+/-0.316 χ^2/NDF: 424.0/24

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.543+/-0.300 χ^2/NDF: 389.2/28

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

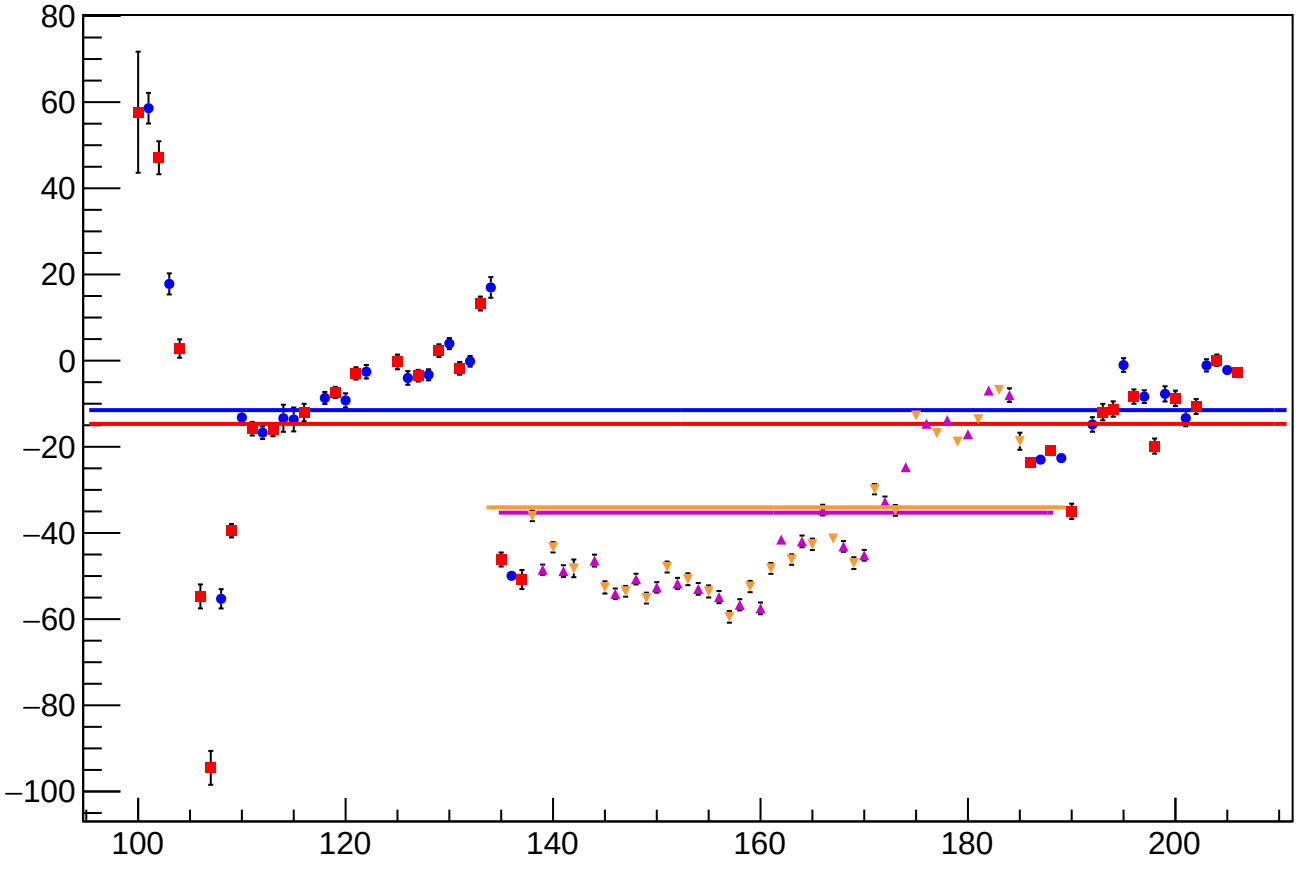
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.654+/-0.218 χ^2/NDF: 813.5/53

In: 0.279+/-0.164 χ^2/NDF:678.1/47

Out: 0.541+/-0.160 χ^2/NDF:696.7/52

All: 0.414+/-0.114 χ^2/NDF: 1376.1/100



Right In: -11.488+/-0.306 χ^2/NDF: 3035.7/24

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -14.681+/-0.267 χ^2/NDF: 3307.2/28

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

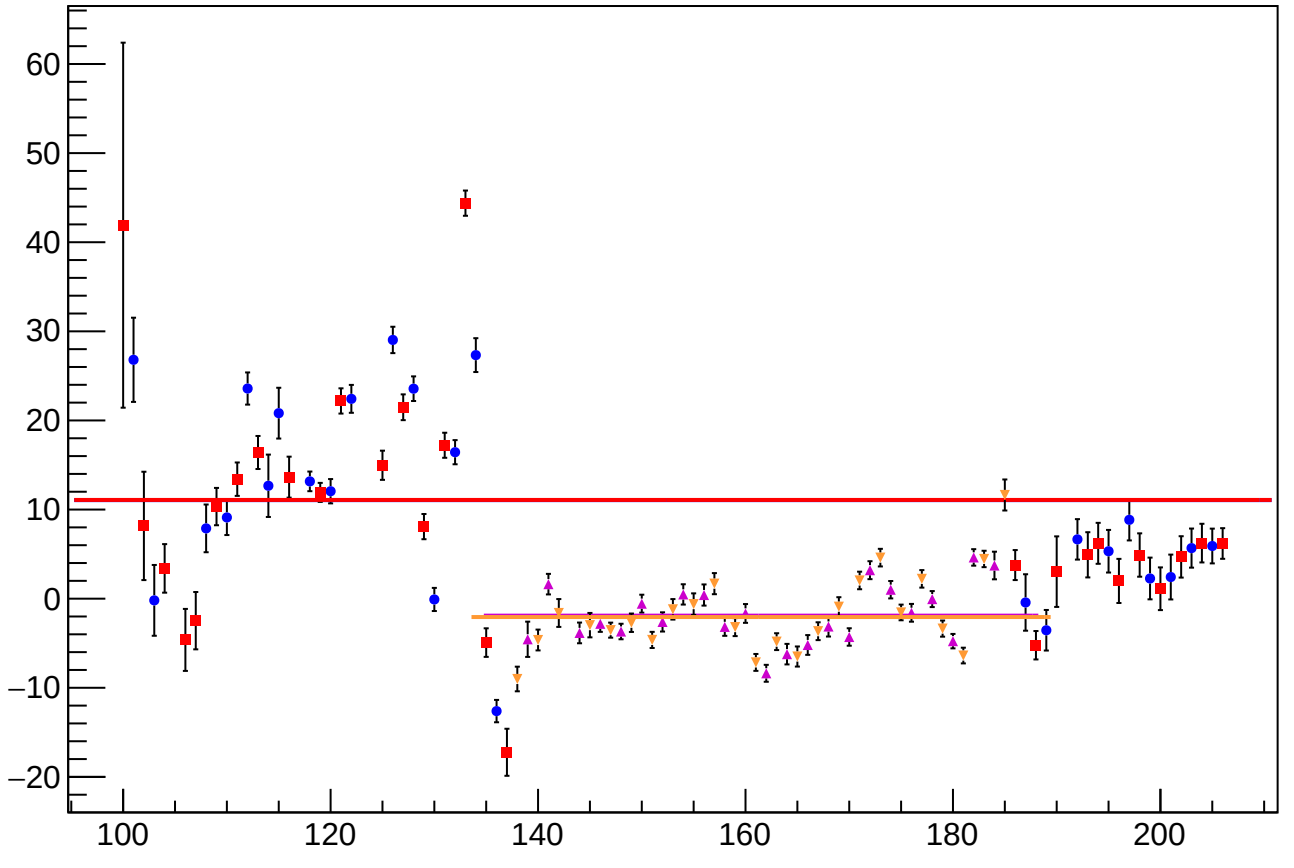
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -13.300+/-0.201 χ^2/NDF: 6404.6/53

In: -25.977+/-0.191 χ^2/NDF:11711.4/47

Out: -25.297+/-0.180 χ^2/NDF:11148.2/52

All: -25.615+/-0.131 χ^2/NDF: 22866.3/100



Right In: 11.058+/-0.366 χ^2/NDF: 990.4/24

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 11.080+/-0.354 χ^2/NDF: 1166.9/28

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

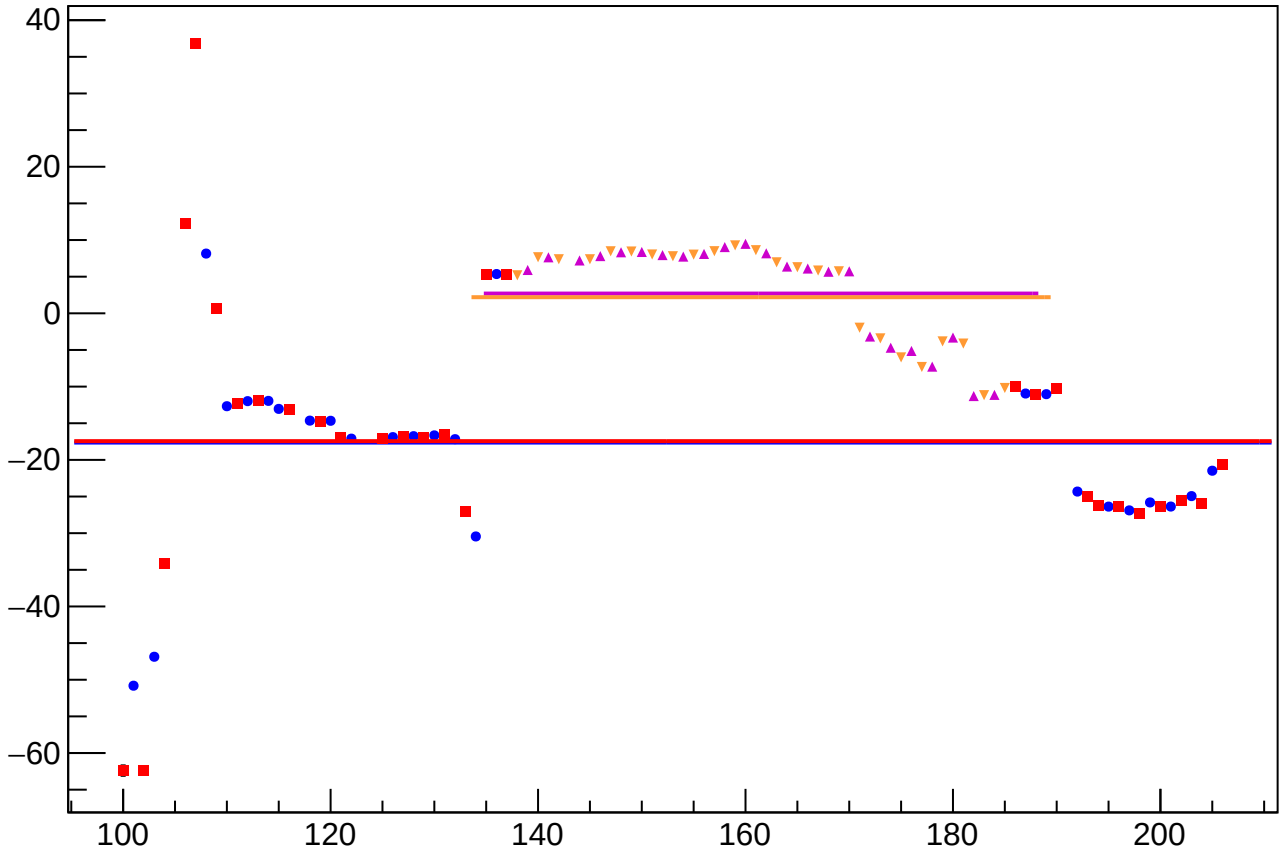
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 11.069+/-0.254 χ^2/NDF: 2157.3/53

In: 1.451+/-0.186 χ^2/NDF:2143.4/47

Out: 1.419+/-0.182 χ^2/NDF:2514.8/52

All: 1.435+/-0.130 χ^2/NDF: 4658.2/100



Right In: -17.635+/-0.019 χ^2/NDF: 497714.7/24

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.443+/-0.018 χ^2/NDF: 583087.2/28

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

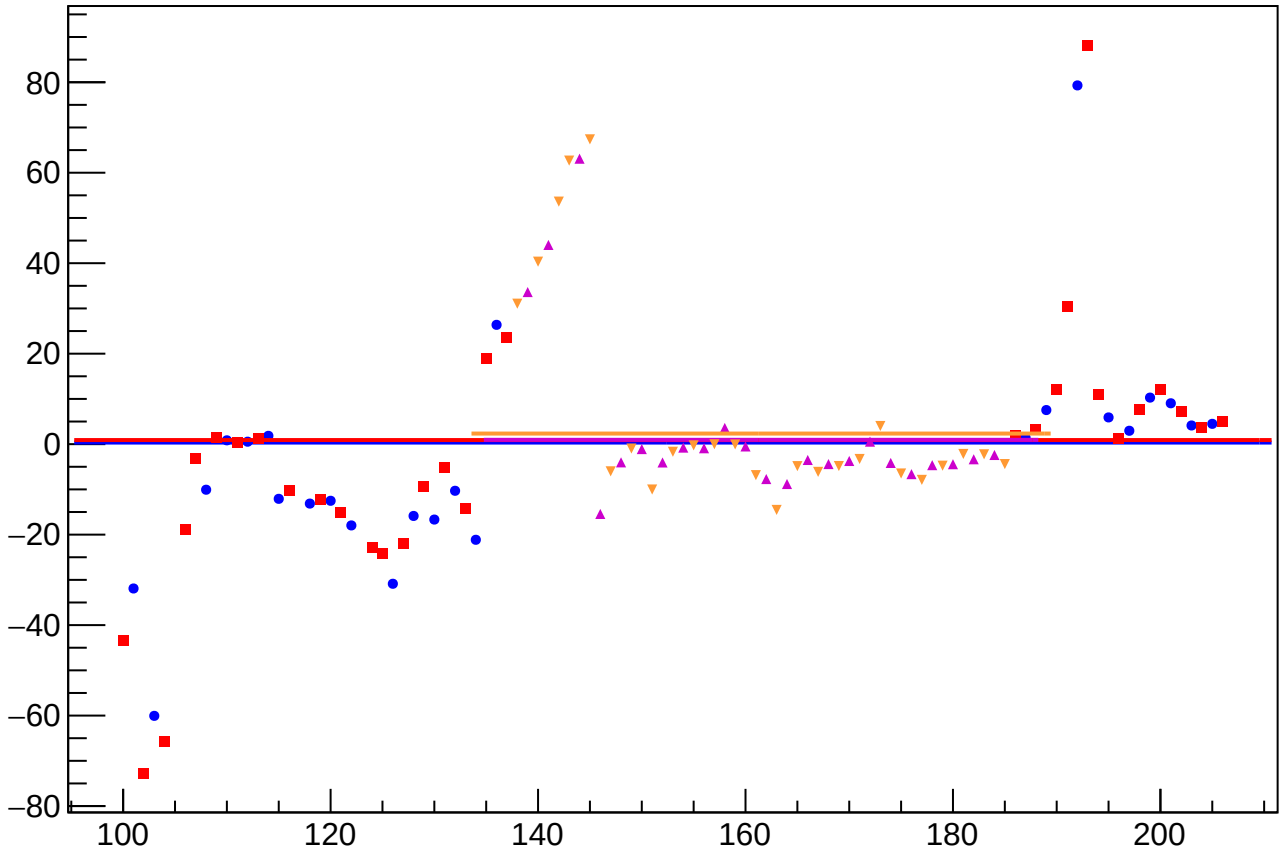
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.534+/-0.013 χ^2/NDF: 1080857.0/53

In: -1.488+/-0.009 χ^2/NDF:1928146.0/47

Out: -2.144+/-0.008 χ^2/NDF:2037416.0/52

All: -1.821+/-0.006 χ^2/NDF: 3968576.5/100



Right In: 0.352+/-0.042 χ^2/NDF: 118603.5/24

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.905+/-0.036 χ^2/NDF: 120624.0/30

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

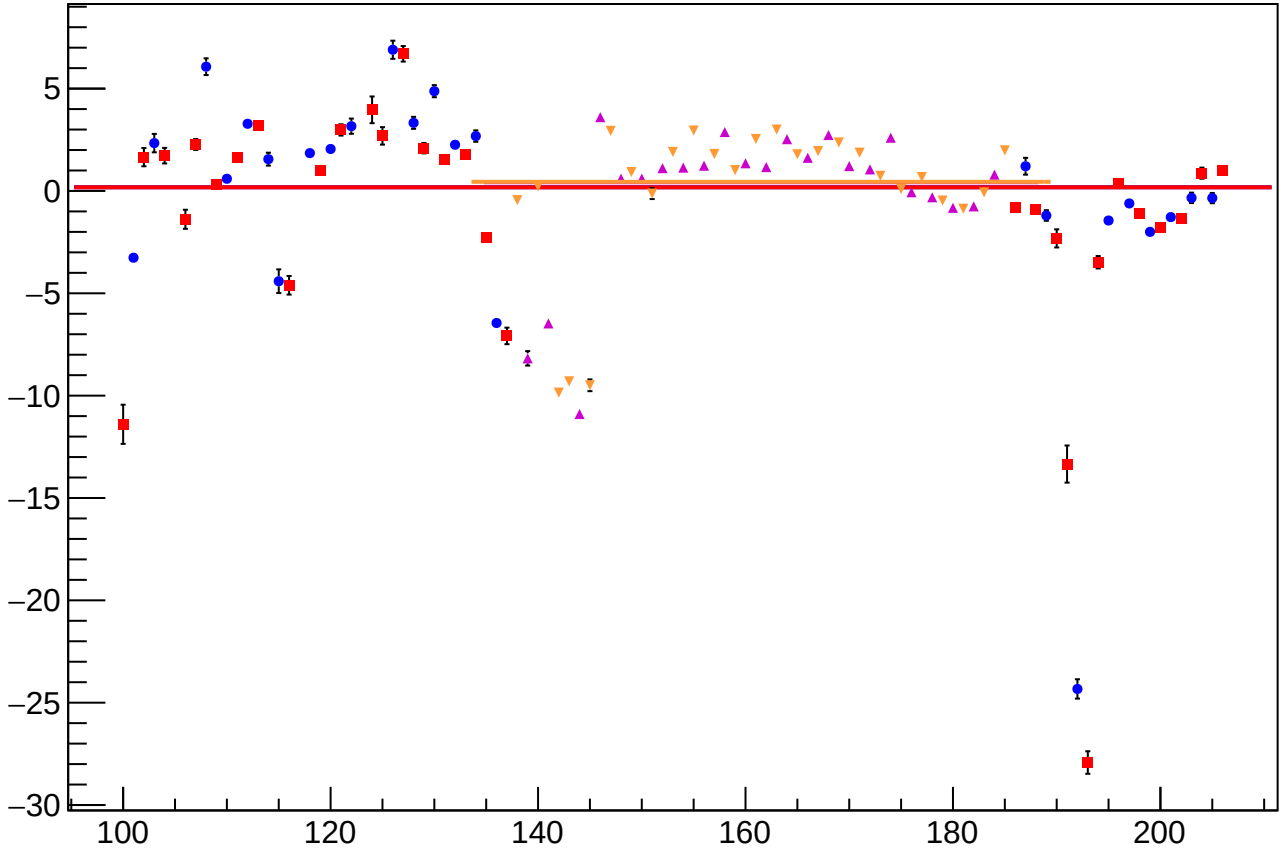
Right: 0.673+/-0.027 χ^2/NDF: 239327.2/55

In: 0.671+/-0.029 χ^2/NDF:251231.9/47

Out: 1.540+/-0.027 χ^2/NDF:298320.2/55

All: 1.140+/-0.020 χ^2/NDF: 550037.3/103

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.182+/-0.048 χ^2/NDF: 5826.1/24

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.178+/-0.045 χ^2/NDF: 5090.8/30

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

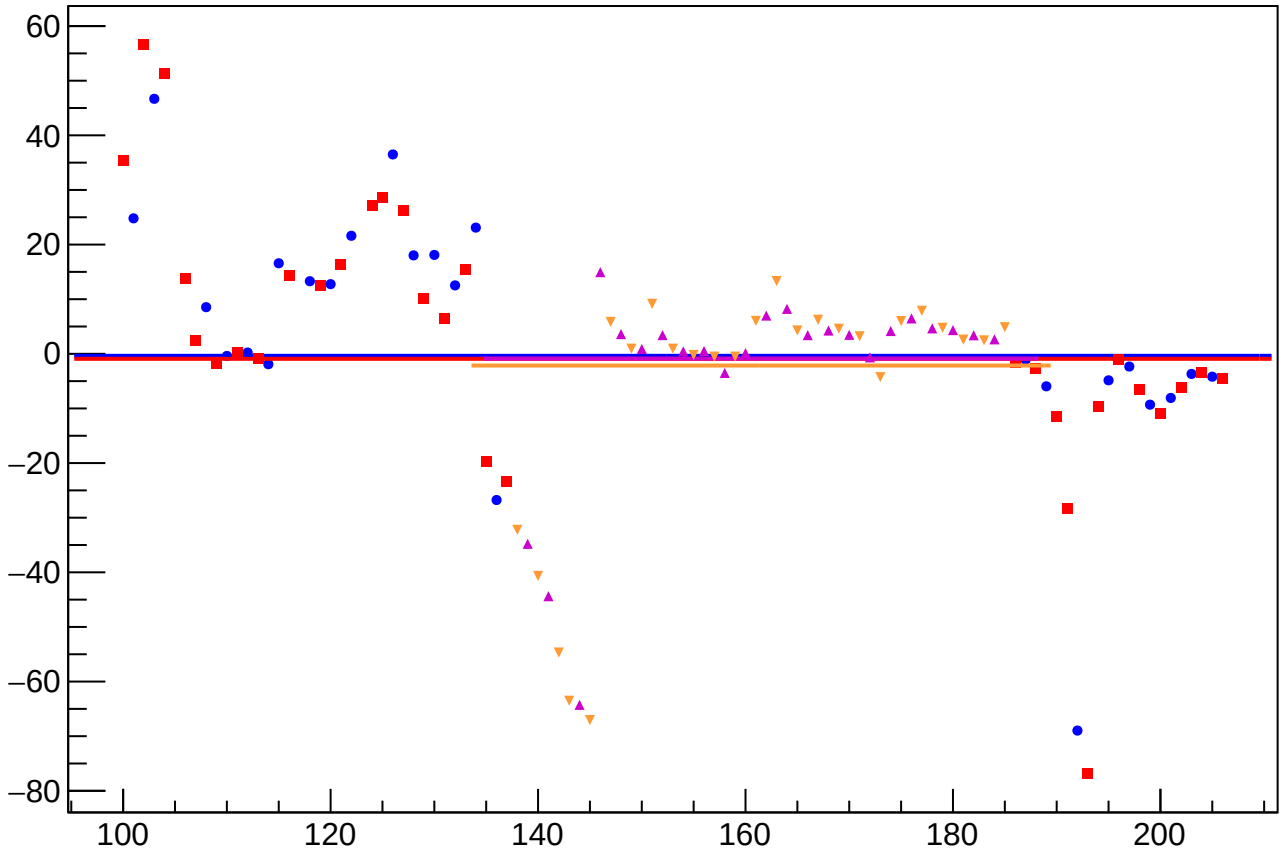
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.180+/-0.033 χ^2/NDF: 10916.9/55

In: 0.354+/-0.026 χ^2/NDF:12946.6/47

Out: 0.352+/-0.026 χ^2/NDF:12158.5/55

All: 0.353+/-0.019 χ^2/NDF: 25105.1/103



Right In: -0.367+/-0.044 χ^2/NDF: 117540.2/24

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.915+/-0.038 χ^2/NDF: 118926.7/30

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

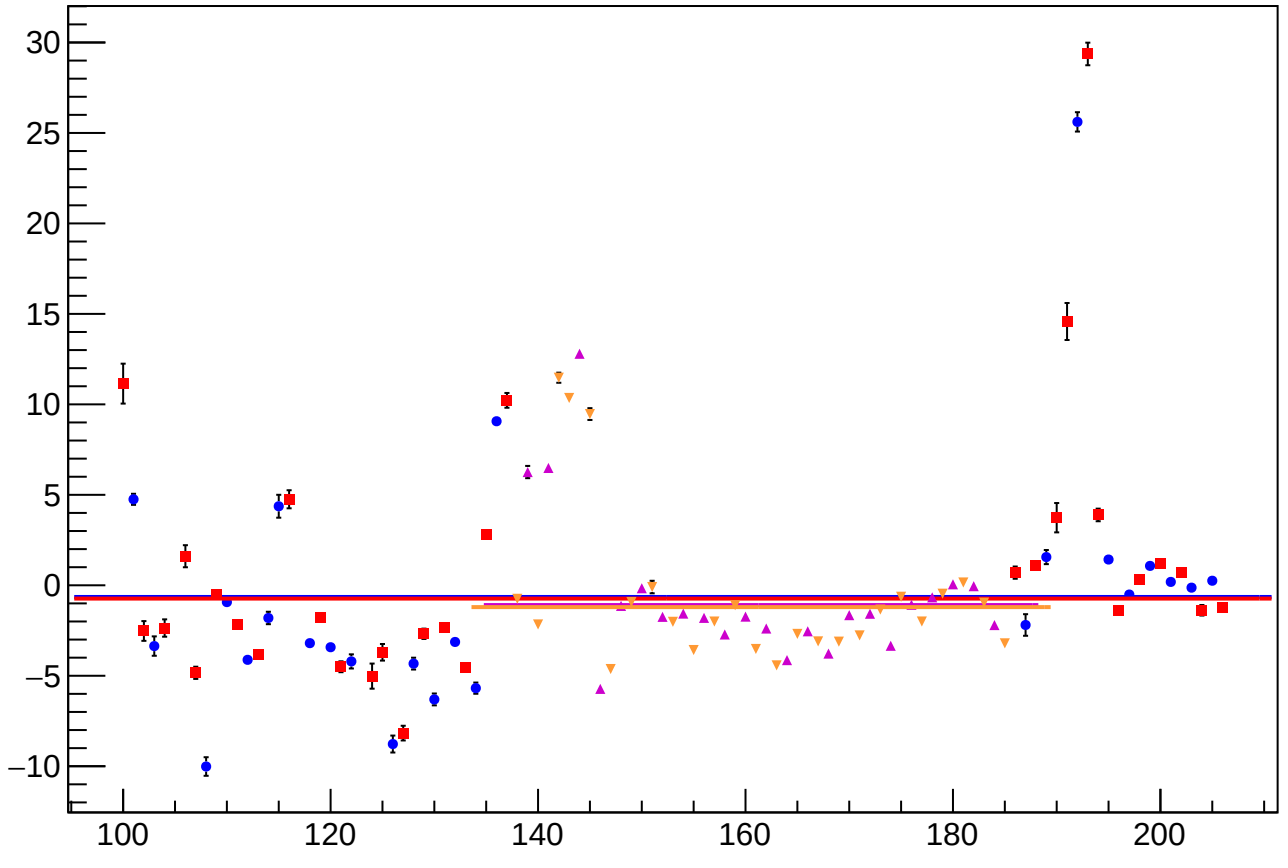
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.681+/-0.029 χ^2/NDF: 236556.3/55

In: -0.652+/-0.029 χ^2/NDF:246814.2/47

Out: -1.493+/-0.028 χ^2/NDF:290690.6/55

All: -1.097+/-0.020 χ^2/NDF: 537940.9/103



Right In: -0.645+/-0.056 χ^2/NDF: 7321.0/24

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.734+/-0.052 χ^2/NDF: 5610.9/30

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

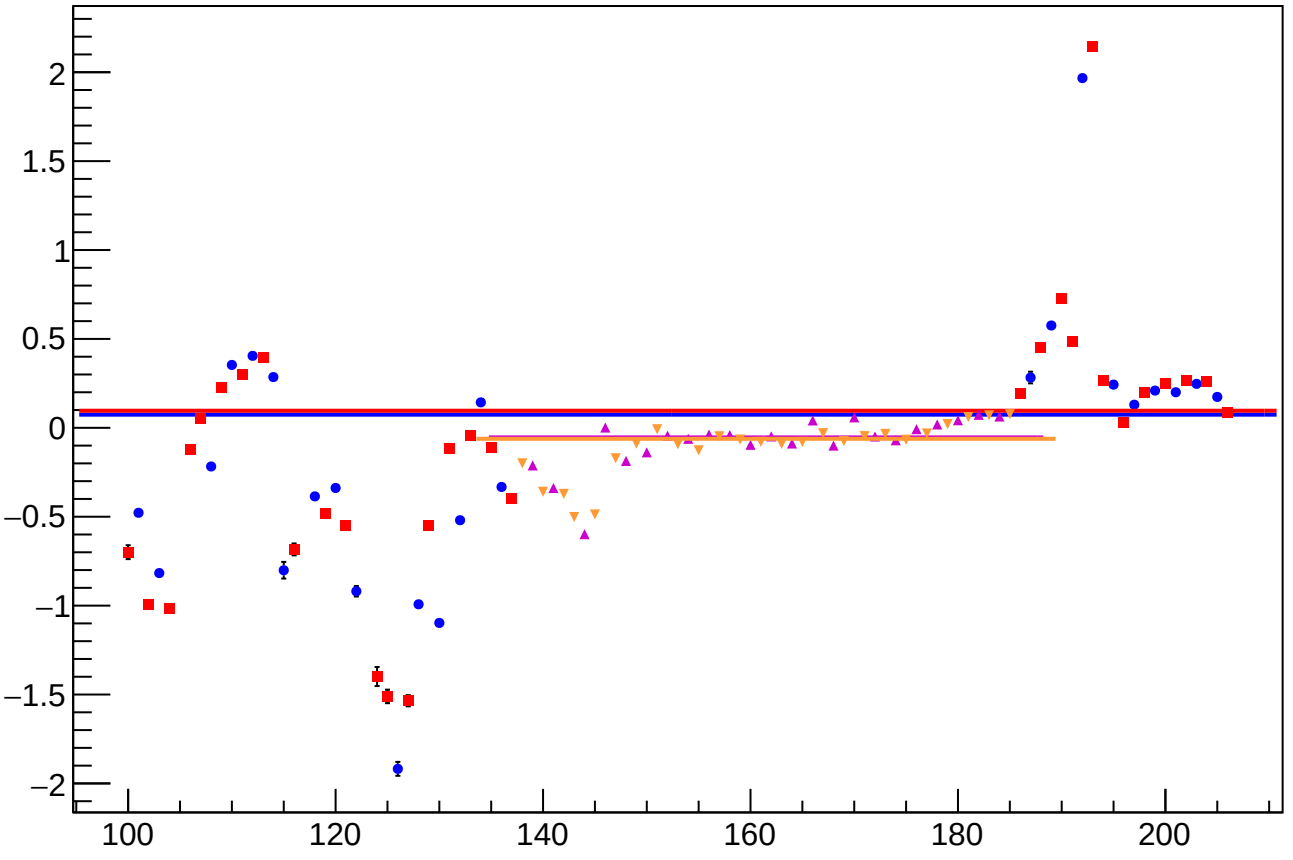
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.693+/-0.038 χ^2/NDF: 12933.2/55

In: -0.969+/-0.030 χ^2/NDF:14396.0/47

Out: -1.051+/-0.030 χ^2/NDF:12669.4/55

All: -1.010+/-0.021 χ^2/NDF: 27069.2/103



Right In: 0.074+/-0.003 χ^2/NDF: 33985.9/24

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.096+/-0.002 χ^2/NDF: 34639.8/30

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

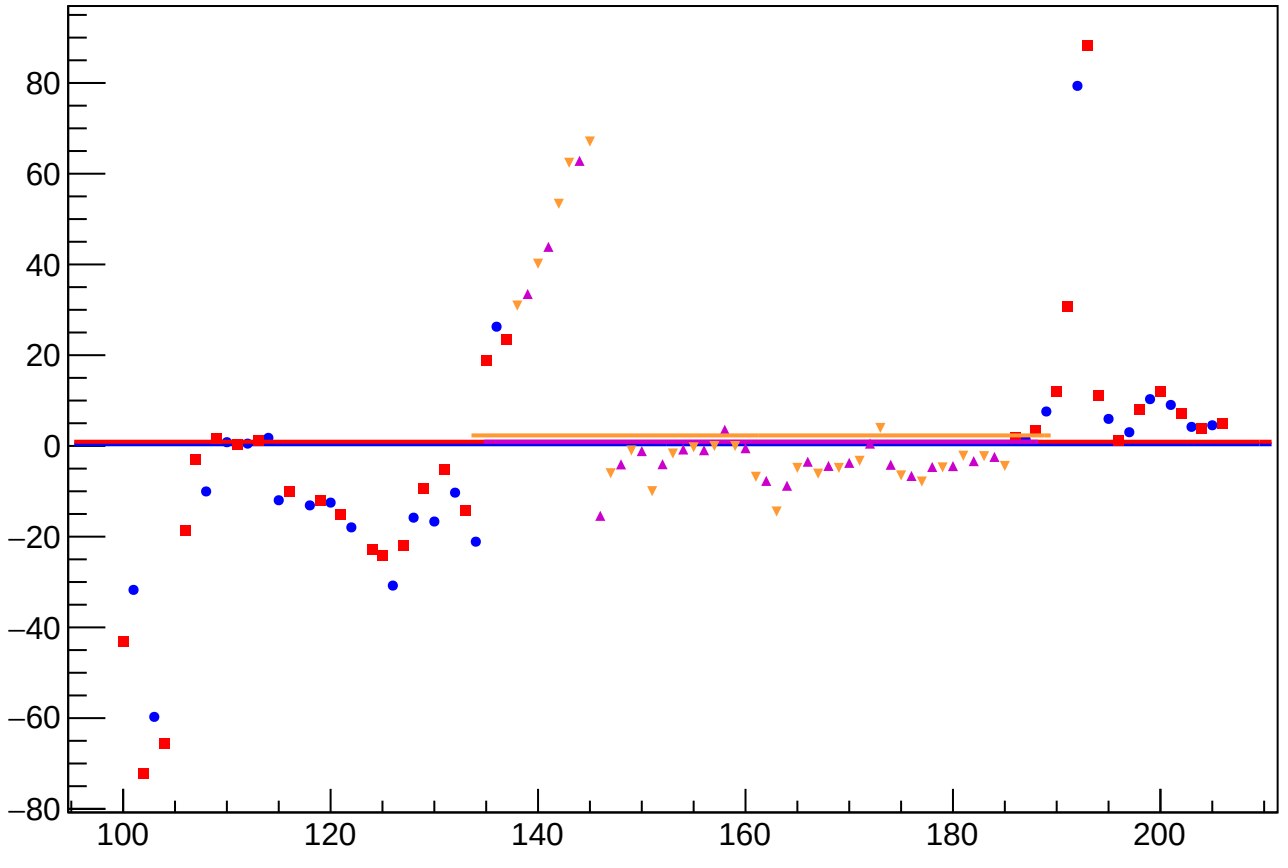
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.086+/-0.002 χ^2/NDF: 68666.5/55

In: -0.021+/-0.001 χ^2/NDF:40917.6/47

Out: -0.013+/-0.001 χ^2/NDF:43435.3/55

All: -0.017+/-0.001 χ^2/NDF: 84372.5/103



Right In: 0.366+/-0.042 χ^2/NDF: 119068.6/24

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.922+/-0.036 χ^2/NDF: 121171.7/30

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

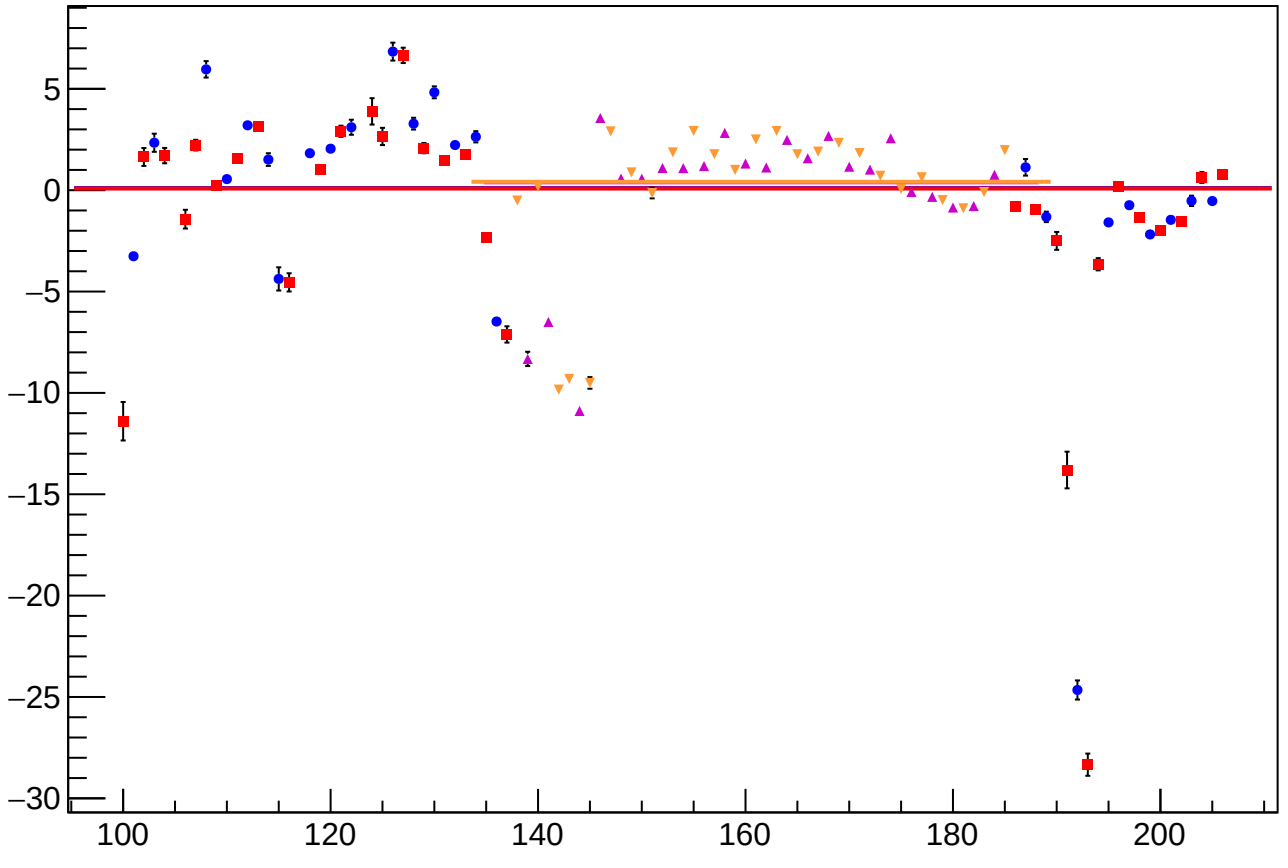
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.689+/-0.027 χ^2/NDF: 240342.5/55

In: 0.665+/-0.029 χ^2/NDF:251570.8/47

Out: 1.537+/-0.027 χ^2/NDF:298594.7/55

All: 1.136+/-0.020 χ^2/NDF: 550658.2/103



Right In: 0.103+/-0.048 χ^2/NDF: 5961.7/24

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.084+/-0.044 χ^2/NDF: 5254.7/30

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

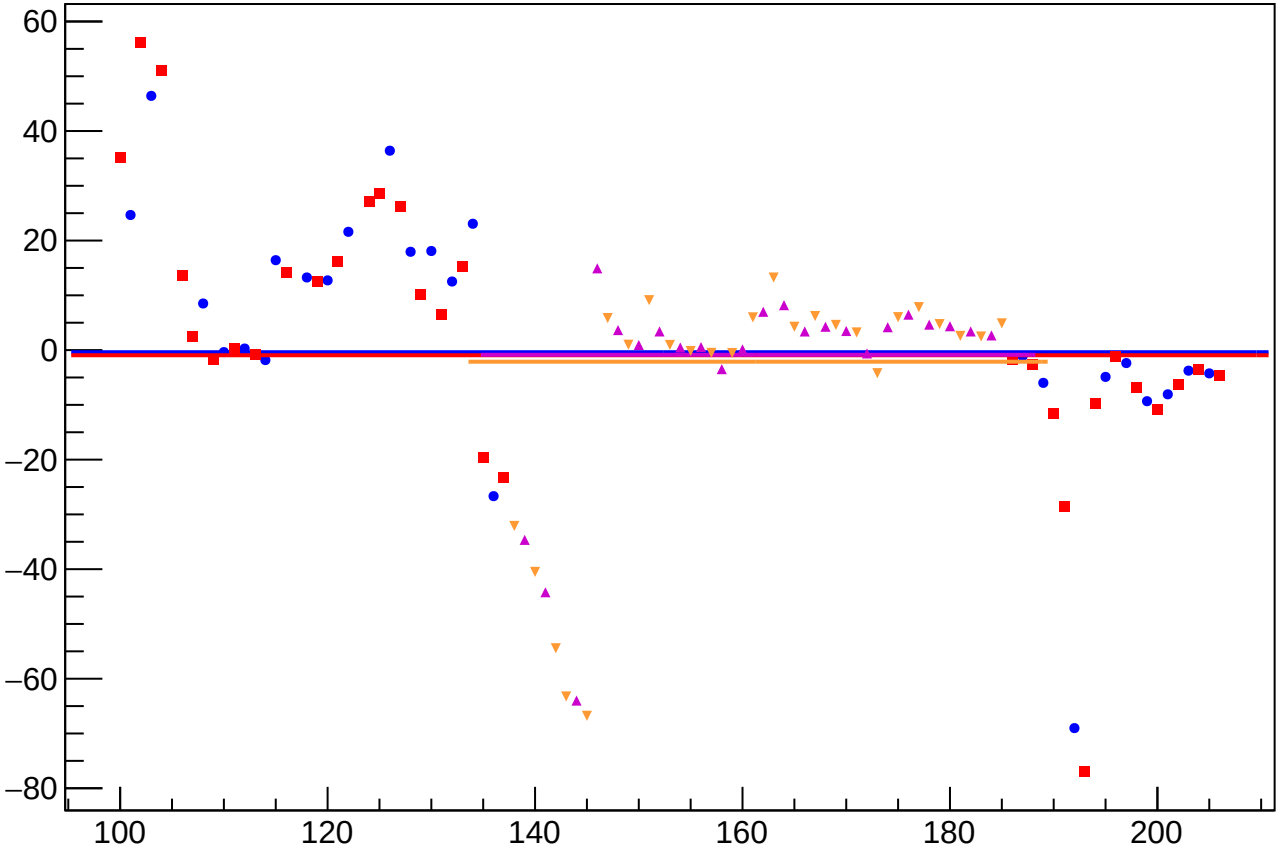
Right: 0.093+/-0.033 χ^2/NDF: 11216.5/55

In: 0.304+/-0.026 χ^2/NDF:13100.7/47

Out: 0.298+/-0.026 χ^2/NDF:12337.5/55

All: 0.301+/-0.019 χ^2/NDF: 25438.3/103

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.387+/-0.044 χ^2/NDF: 117980.0/24

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.940+/-0.038 χ^2/NDF: 119450.1/30

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

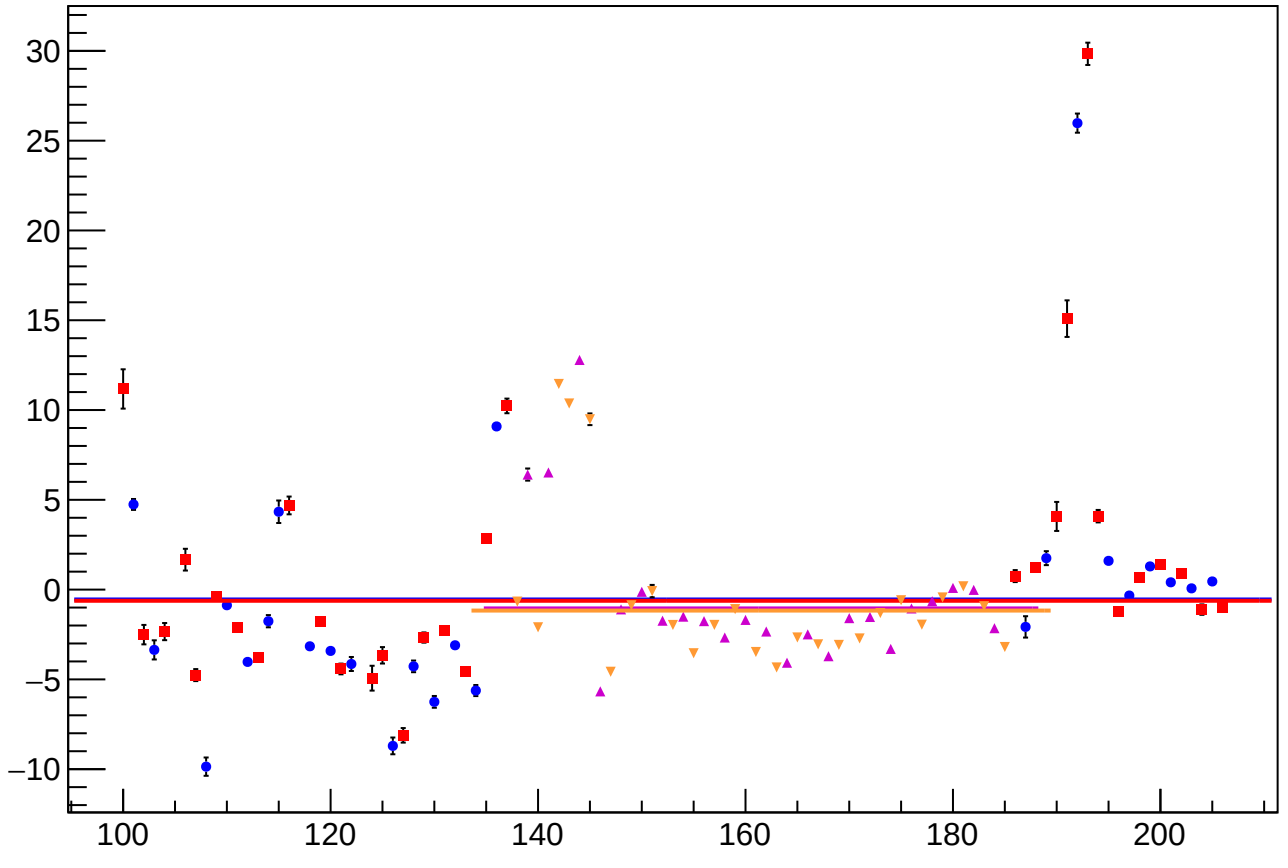
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.704+/-0.029 χ^2/NDF: 237522.0/55

In: -0.648+/-0.029 χ^2/NDF:247129.5/47

Out: -1.493+/-0.027 χ^2/NDF:290949.1/55

All: -1.096+/-0.020 χ^2/NDF: 538522.8/103



Right In: -0.550+/-0.056 χ^2/NDF: 7438.1/24

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.622+/-0.052 χ^2/NDF: 5766.0/30

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

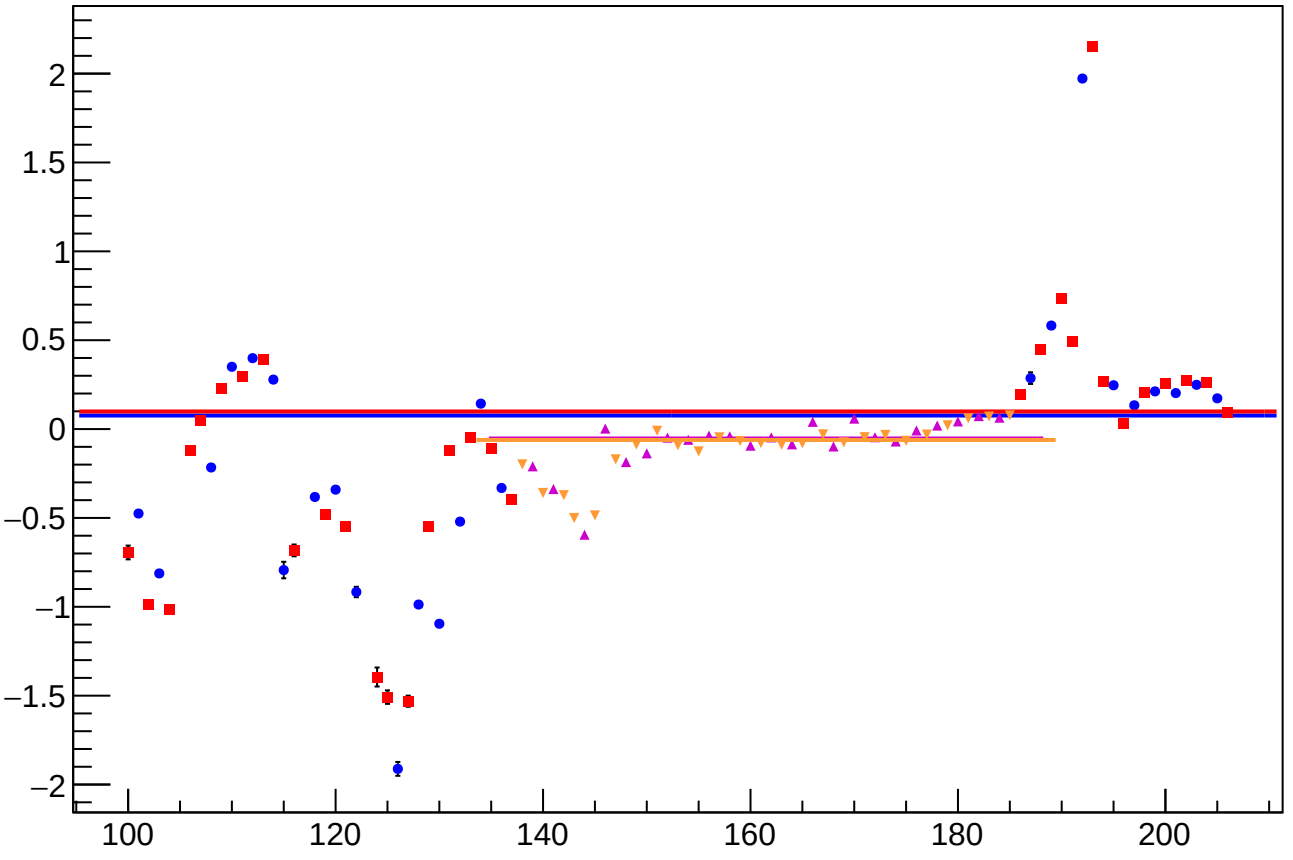
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.589+/-0.038 χ^2/NDF: 13205.0/55

In: -0.910+/-0.030 χ^2/NDF:14536.1/47

Out: -0.988+/-0.030 χ^2/NDF:12842.2/55

All: -0.949+/-0.021 χ^2/NDF: 27381.9/103



Right In: 0.076+/-0.003 χ^2/NDF: 34255.5/24

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34950.1/30

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

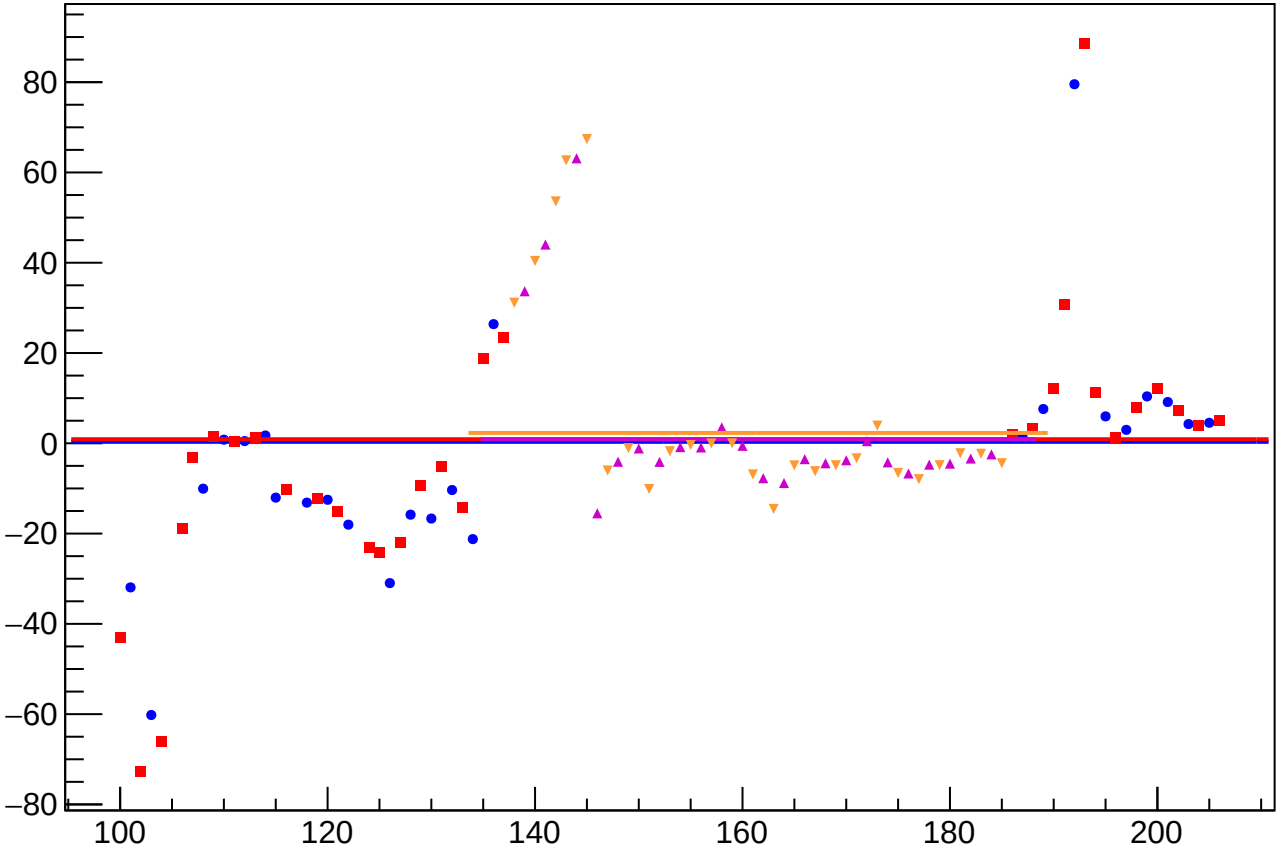
Right: 0.088+/-0.002 χ^2/NDF: 69249.6/55

In: -0.019+/-0.001 χ^2/NDF:41221.0/47

Out: -0.011+/-0.001 χ^2/NDF:43886.2/55

All: -0.015+/-0.001 χ^2/NDF: 85127.3/103

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.333+/-0.042 χ^2/NDF: 119112.3/24

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.901+/-0.036 χ^2/NDF: 121212.5/30

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

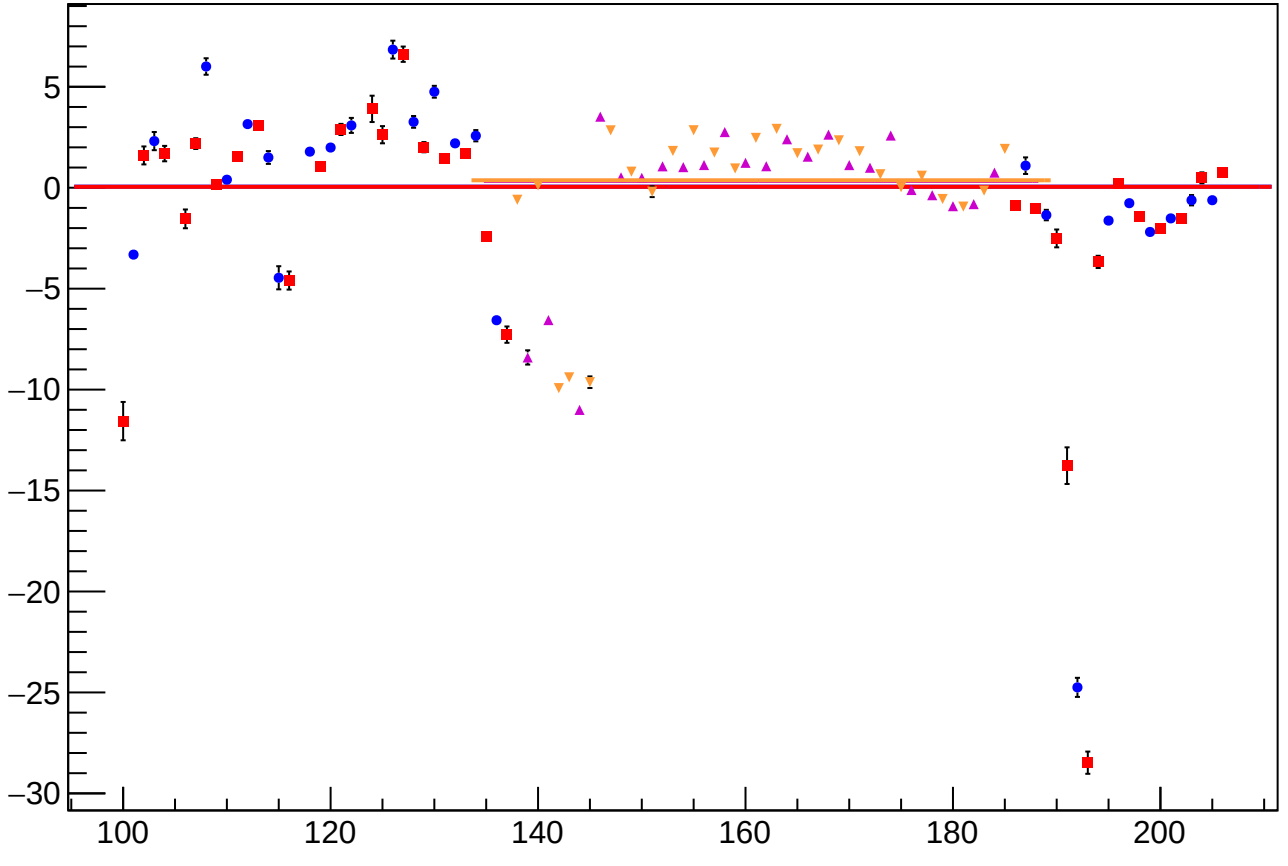
Right: 0.663+/-0.027 χ^2/NDF: 240430.2/55

In: 0.638+/-0.029 χ^2/NDF:251785.6/47

Out: 1.516+/-0.027 χ^2/NDF:299068.3/55

All: 1.113+/-0.020 χ^2/NDF: 551348.9/103

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.053+/-0.048 χ^2/NDF: 5947.4/24

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.045+/-0.045 χ^2/NDF: 5247.6/30

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

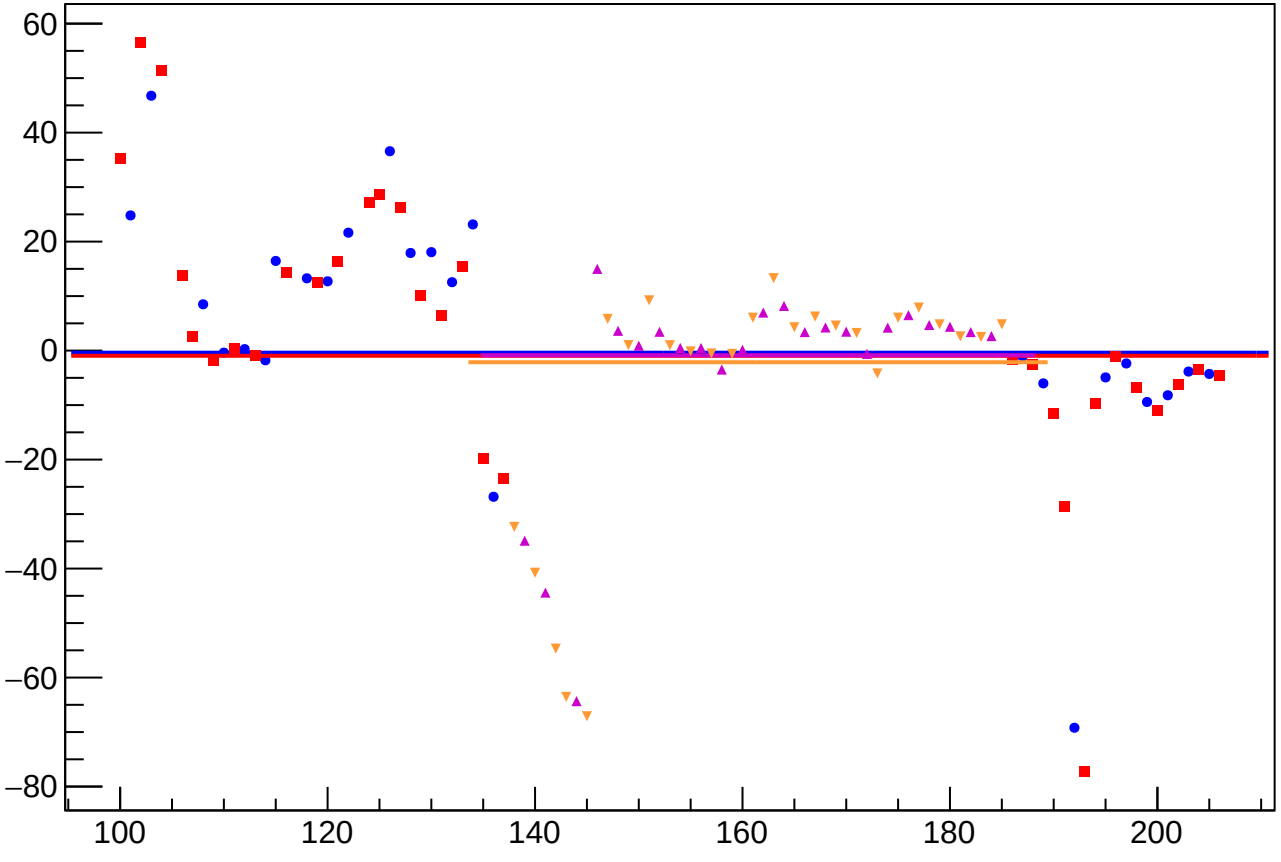
Right: 0.049+/-0.033 χ^2/NDF: 11195.0/55

In: 0.252+/-0.026 χ^2/NDF:13065.8/47

Out: 0.254+/-0.026 χ^2/NDF:12349.4/55

All: 0.253+/-0.019 χ^2/NDF: 25415.2/103

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.385+/-0.044 χ^2/NDF: 118037.4/24

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.948+/-0.038 χ^2/NDF: 119513.6/30

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

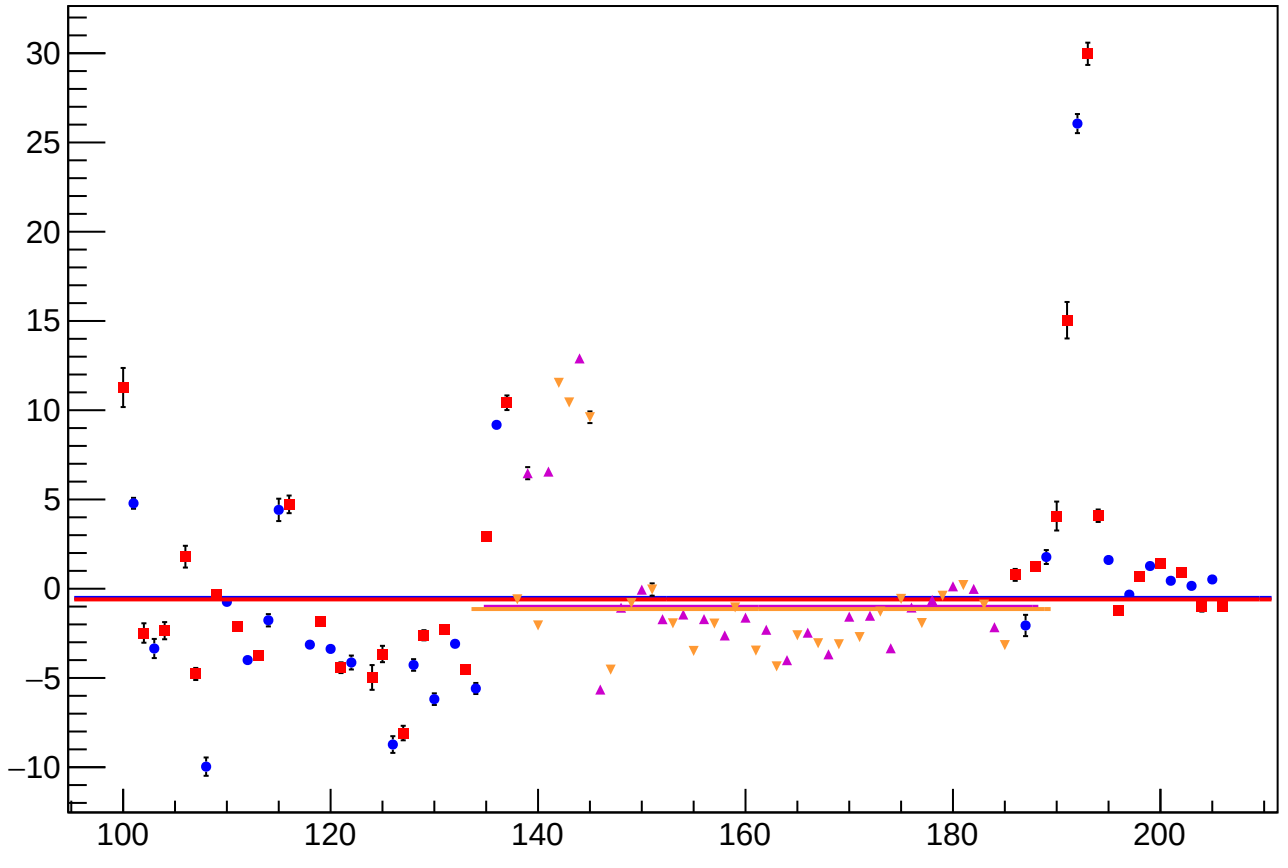
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.708+/-0.029 χ^2/NDF: 237645.3/55

In: -0.655+/-0.029 χ^2/NDF:247368.8/47

Out: -1.503+/-0.028 χ^2/NDF:291440.0/55

All: -1.105+/-0.020 χ^2/NDF: 539253.2/103



Right In: -0.515+/-0.056 χ^2/NDF: 7432.3/24

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.600+/-0.052 χ^2/NDF: 5770.8/30

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

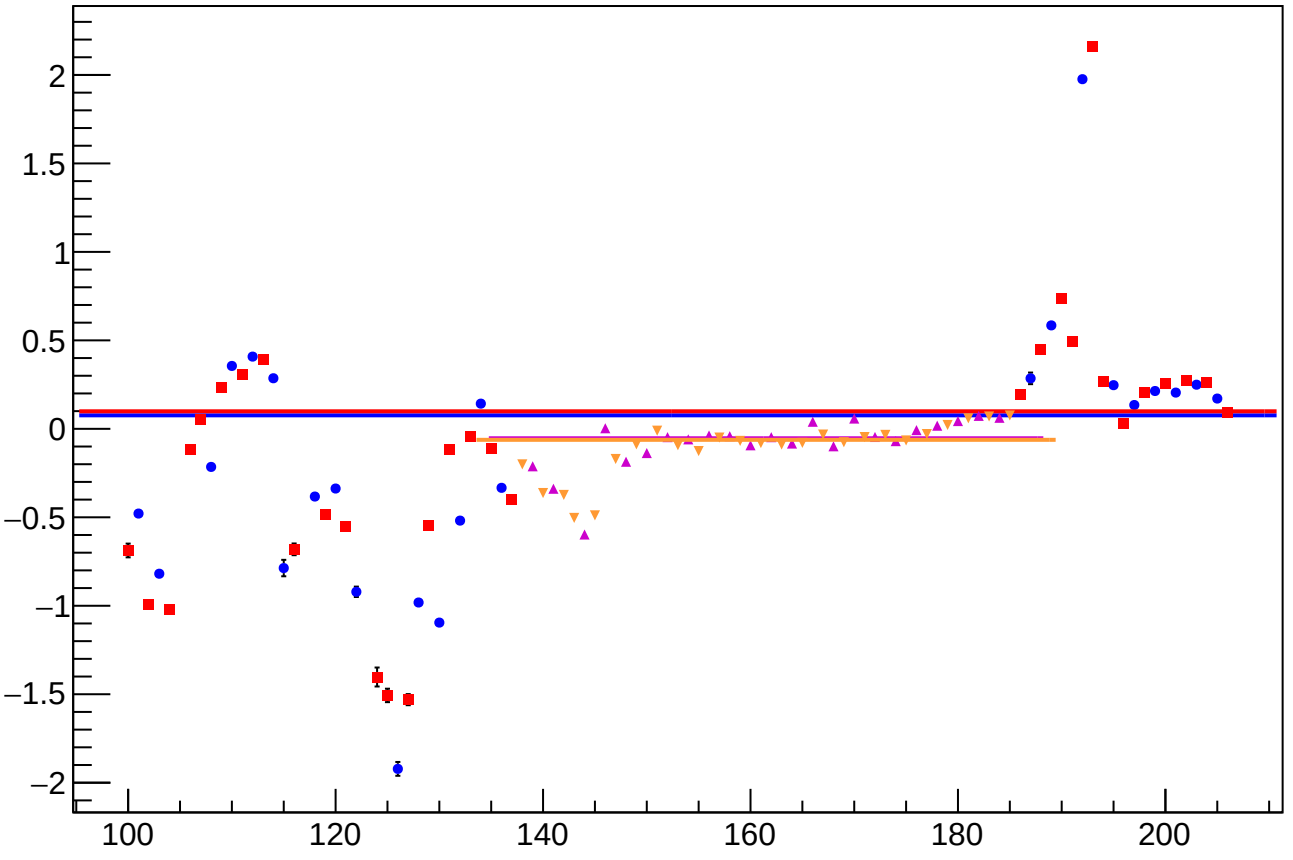
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.561+/-0.038 χ^2/NDF: 13204.3/55

In: -0.875+/-0.030 χ^2/NDF:14516.2/47

Out: -0.962+/-0.030 χ^2/NDF:12866.3/55

All: -0.919+/-0.021 χ^2/NDF: 27386.8/103



Right In: 0.076+/-0.003 χ^2/NDF: 34246.6/24

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34913.1/30

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

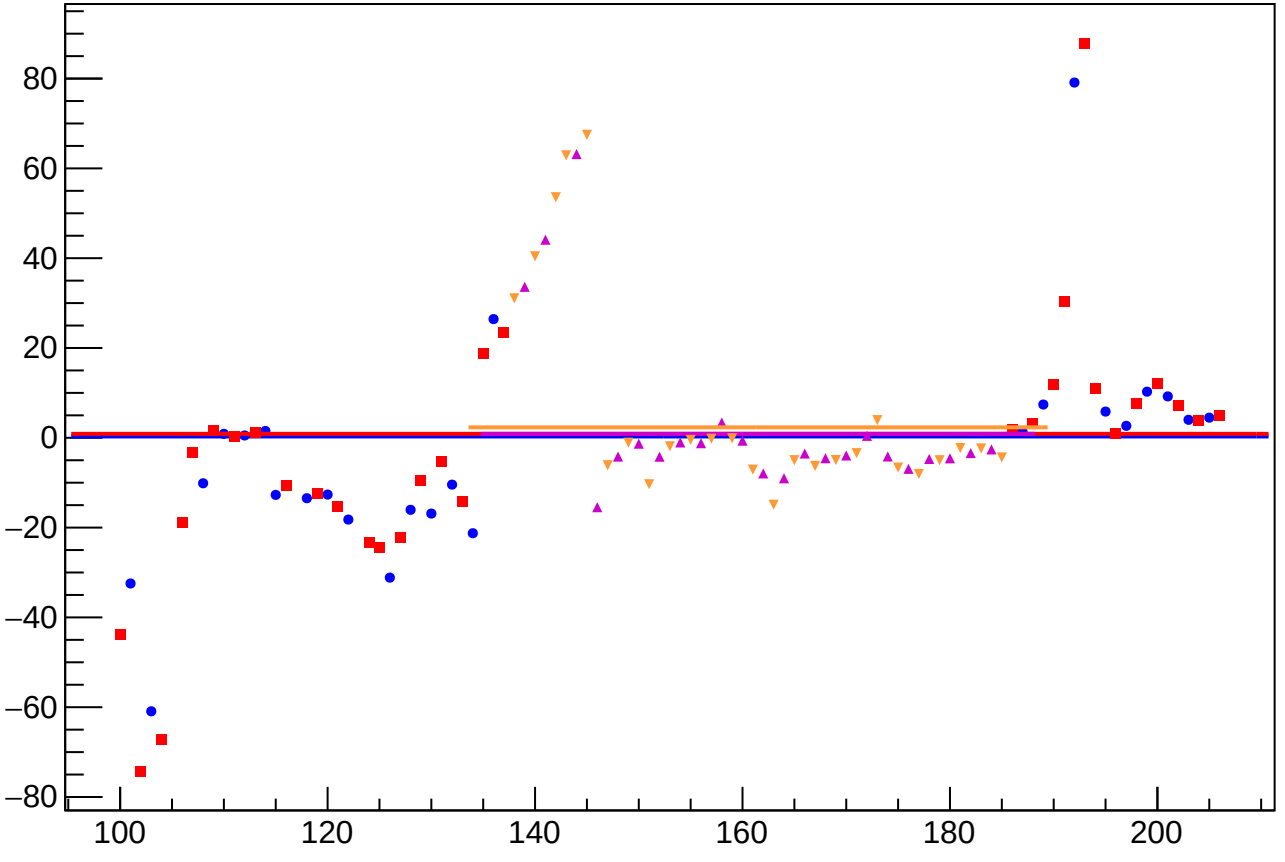
Right: 0.088+/-0.002 χ^2/NDF: 69203.0/55

In: -0.020+/-0.001 χ^2/NDF:41184.9/47

Out: -0.012+/-0.001 χ^2/NDF:43860.6/55

All: -0.016+/-0.001 χ^2/NDF: 85063.4/103

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.298+/-0.043 χ^2/NDF: 117242.1/24

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.880+/-0.036 χ^2/NDF: 119573.0/30

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

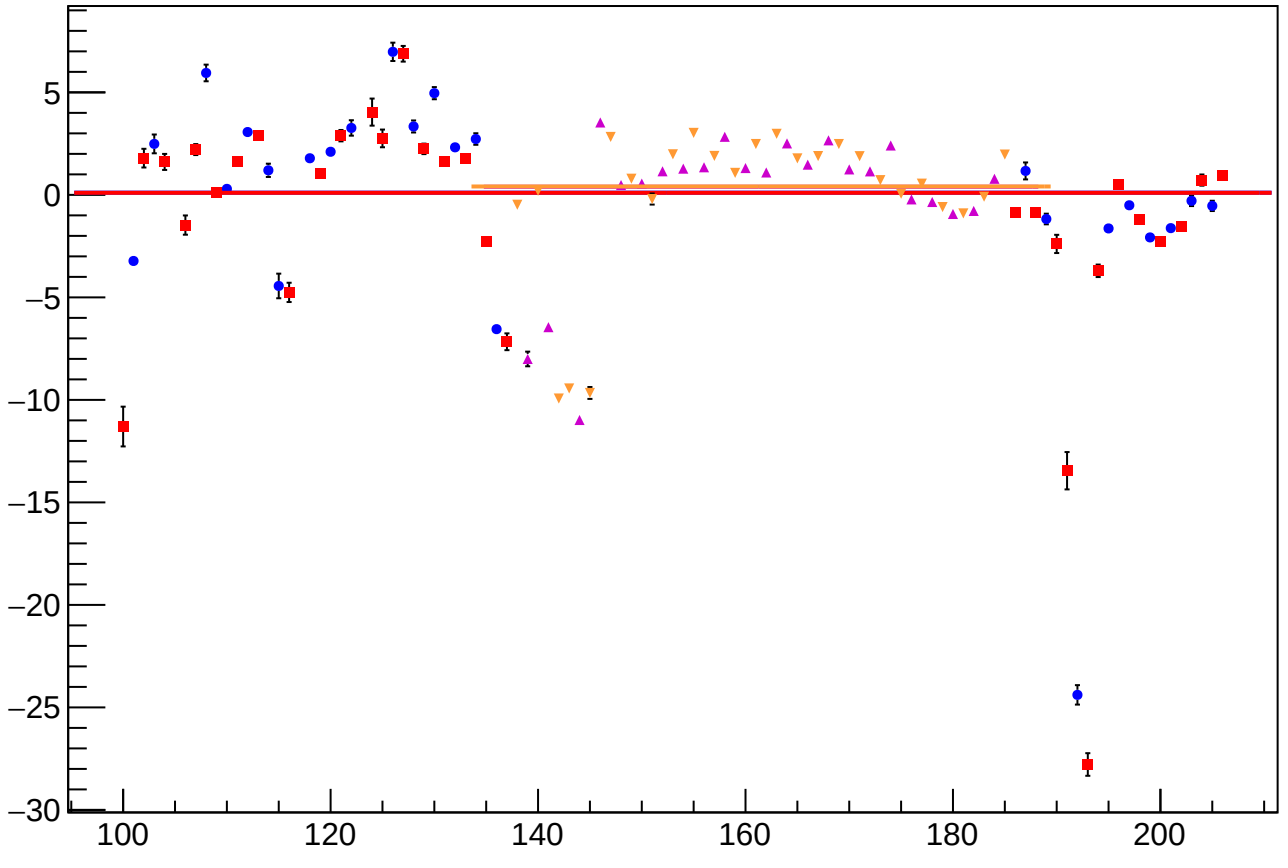
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.636+/-0.028 χ^2/NDF: 236922.6/55

In: 0.606+/-0.029 χ^2/NDF:247758.7/47

Out: 1.517+/-0.027 χ^2/NDF:294917.6/55

All: 1.098+/-0.020 χ^2/NDF: 543190.5/103



Right In: 0.108+/-0.049 χ^2/NDF: 5786.8/24

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.101+/-0.045 χ^2/NDF: 5057.8/30

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

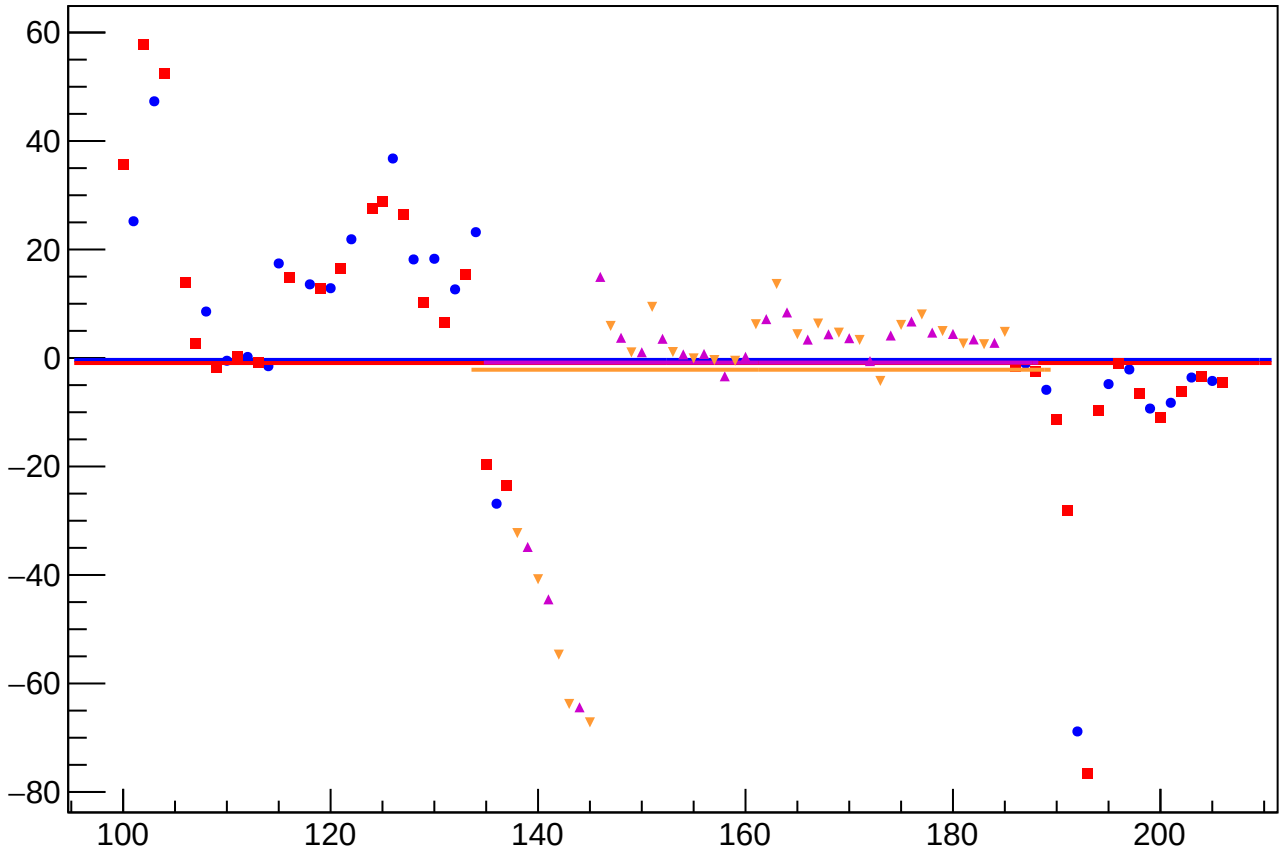
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.104+/-0.033 χ^2/NDF: 10844.6/55

In: 0.310+/-0.027 χ^2/NDF:12742.9/47

Out: 0.301+/-0.027 χ^2/NDF:12135.7/55

All: 0.305+/-0.019 χ^2/NDF: 24878.7/103



Right In: -0.355+/-0.044 χ^2/NDF: 116205.4/24

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.930+/-0.038 χ^2/NDF: 117884.7/30

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

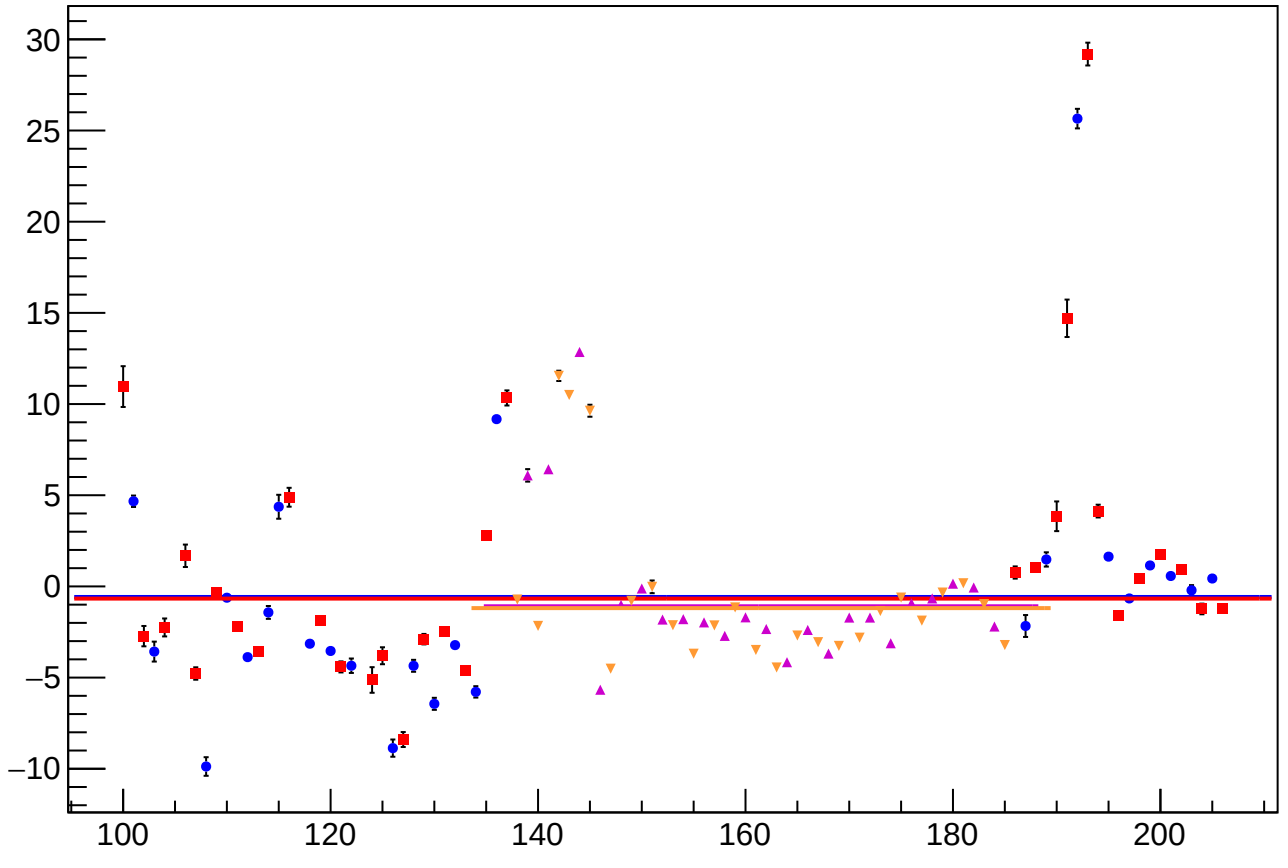
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.686+/-0.029 χ^2/NDF: 234186.3/55

In: -0.623+/-0.030 χ^2/NDF:243406.9/47

Out: -1.503+/-0.028 χ^2/NDF:287357.6/55

All: -1.091+/-0.020 χ^2/NDF: 531227.9/103



Right In: -0.580+/-0.057 χ^2/NDF: 7270.4/24

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.668+/-0.053 χ^2/NDF: 5584.4/30

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

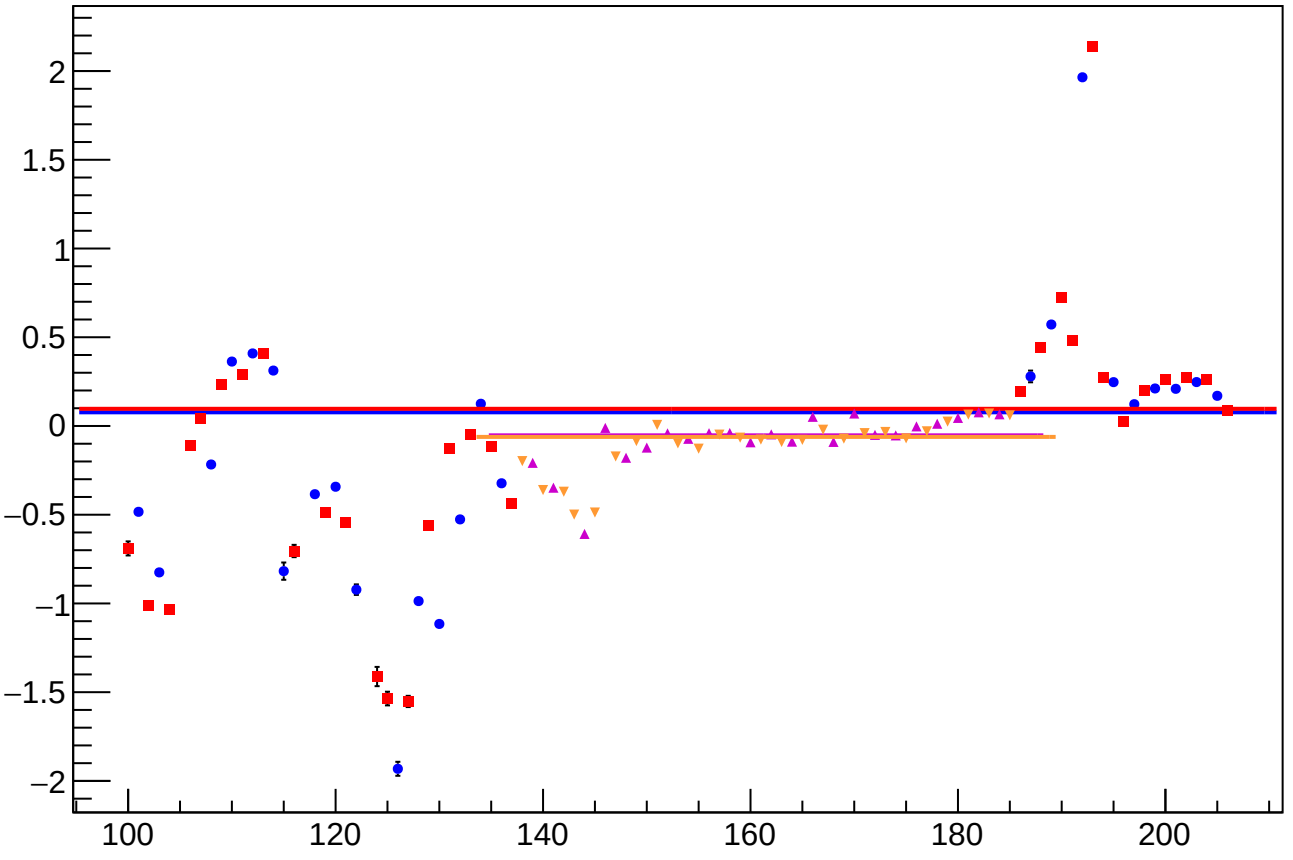
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.627+/-0.039 χ^2/NDF: 12856.1/55

In: -0.947+/-0.030 χ^2/NDF:14168.6/47

Out: -1.018+/-0.030 χ^2/NDF:12646.2/55

All: -0.982+/-0.021 χ^2/NDF: 26817.6/103



Right In: 0.077+/-0.003 χ^2/NDF: 33523.7/24

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34476.5/30

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

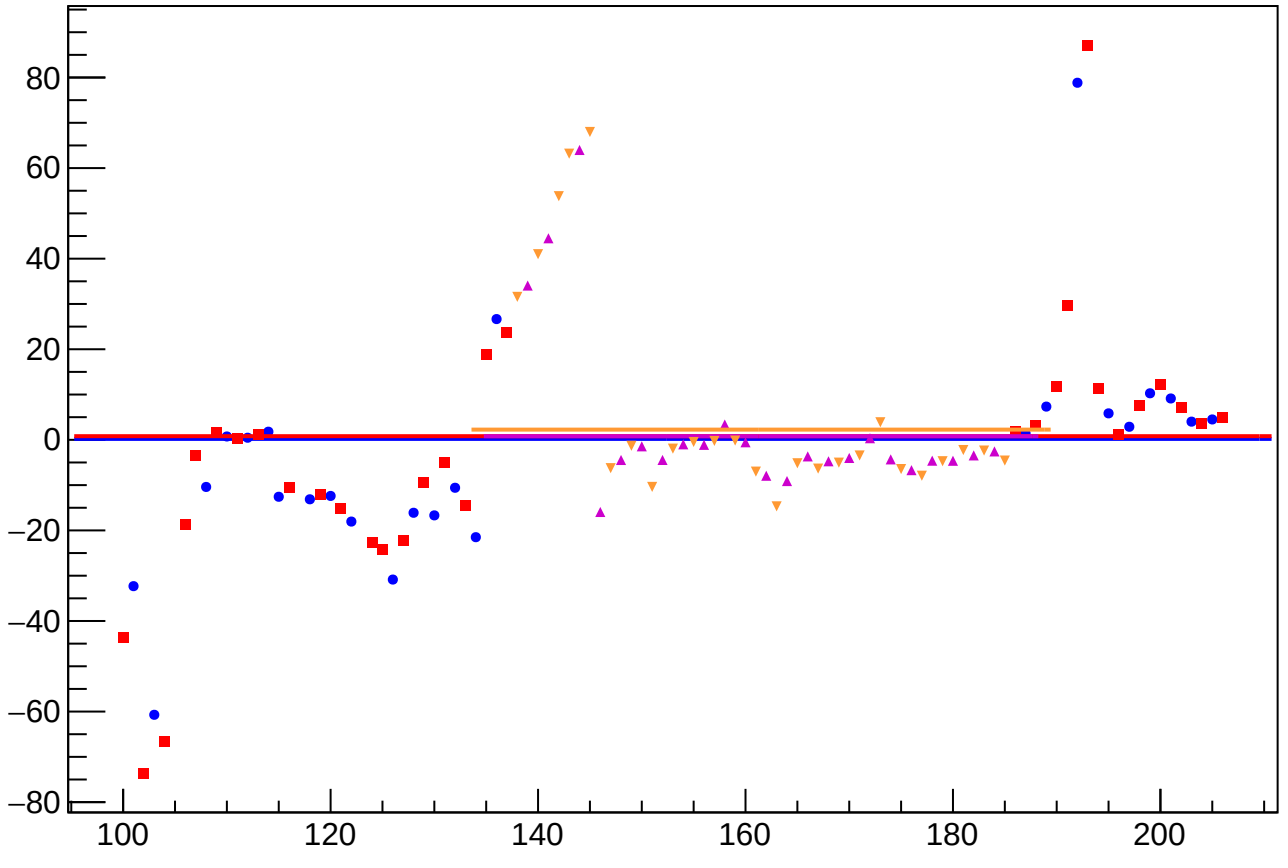
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.088+/-0.002 χ^2/NDF: 68032.5/55

In: -0.019+/-0.001 χ^2/NDF:40457.8/47

Out: -0.012+/-0.001 χ^2/NDF:43061.6/55

All: -0.015+/-0.001 χ^2/NDF: 83533.1/103



Right In: 0.207+/-0.043 χ^2/NDF: 115533.0/24

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.805+/-0.037 χ^2/NDF: 117369.5/30

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

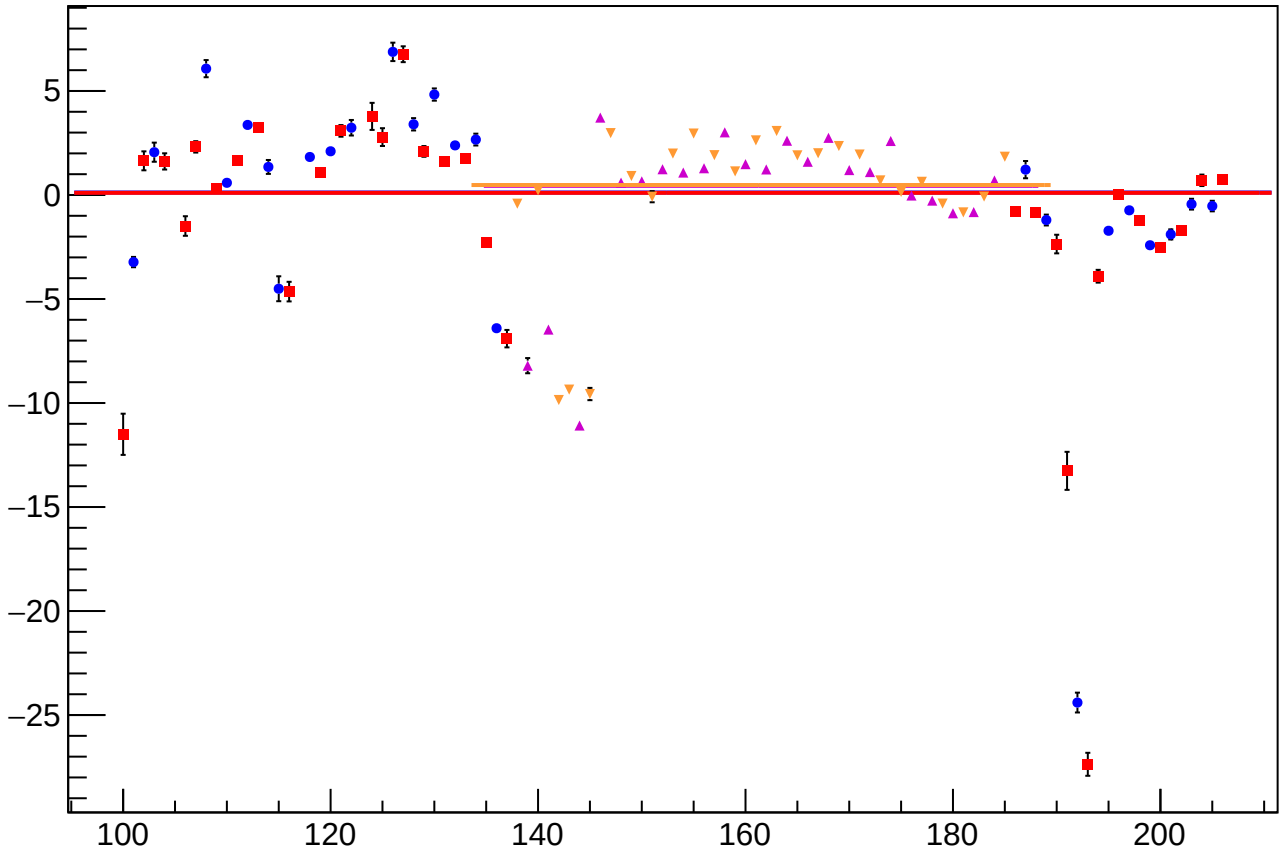
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.552+/-0.028 χ^2/NDF: 233012.0/55

In: 0.516+/-0.030 χ^2/NDF:244457.4/47

Out: 1.449+/-0.028 χ^2/NDF:289718.9/55

All: 1.018+/-0.020 χ^2/NDF: 534702.0/103



Right In: 0.120+/-0.049 χ^2/NDF: 5778.1/24

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.104+/-0.046 χ^2/NDF: 4972.8/30

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

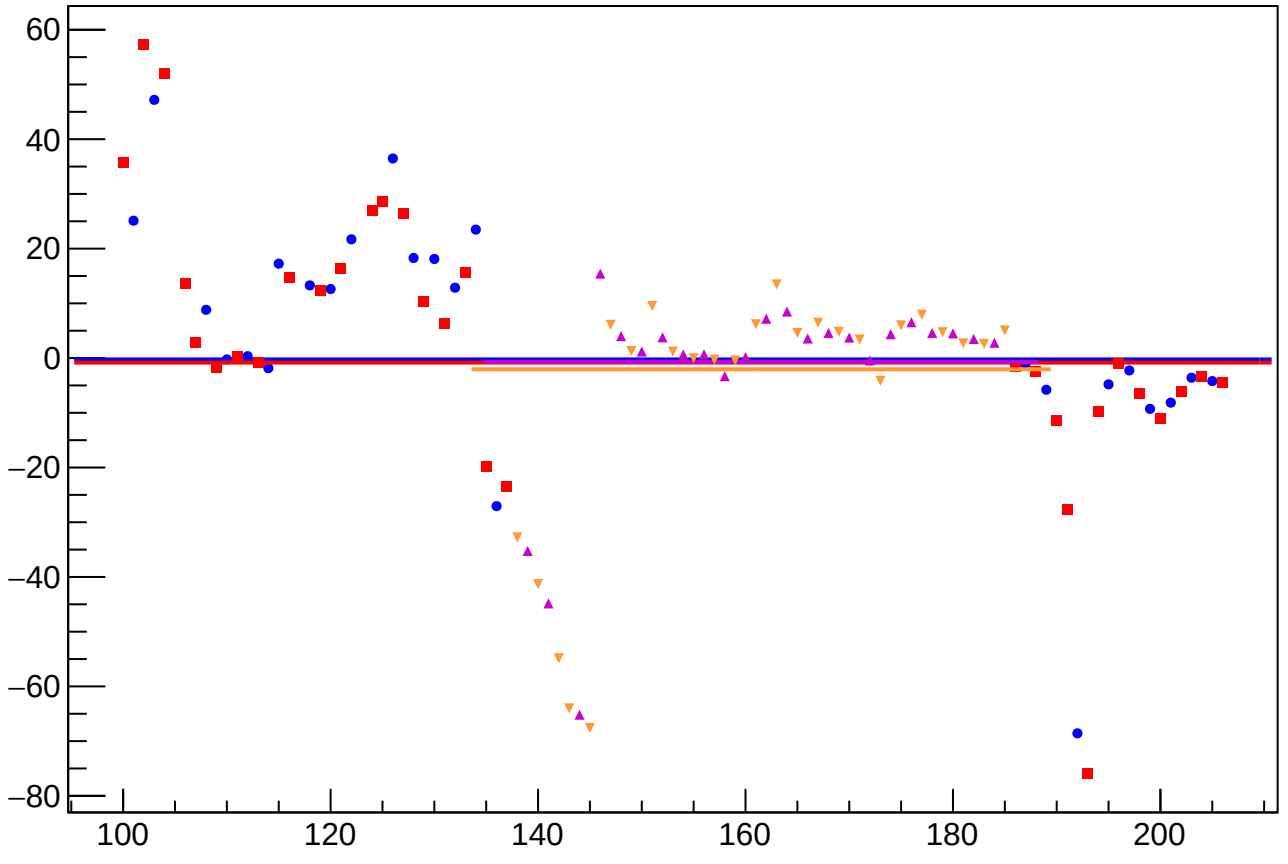
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.111+/-0.034 χ^2/NDF: 10751.0/55

In: 0.344+/-0.027 χ^2/NDF:12701.1/47

Out: 0.347+/-0.027 χ^2/NDF:11824.3/55

All: 0.345+/-0.019 χ^2/NDF: 24525.5/103



Right In: -0.245+/-0.045 χ^2/NDF: 114480.0/24

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.822+/-0.039 χ^2/NDF: 115712.4/30

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

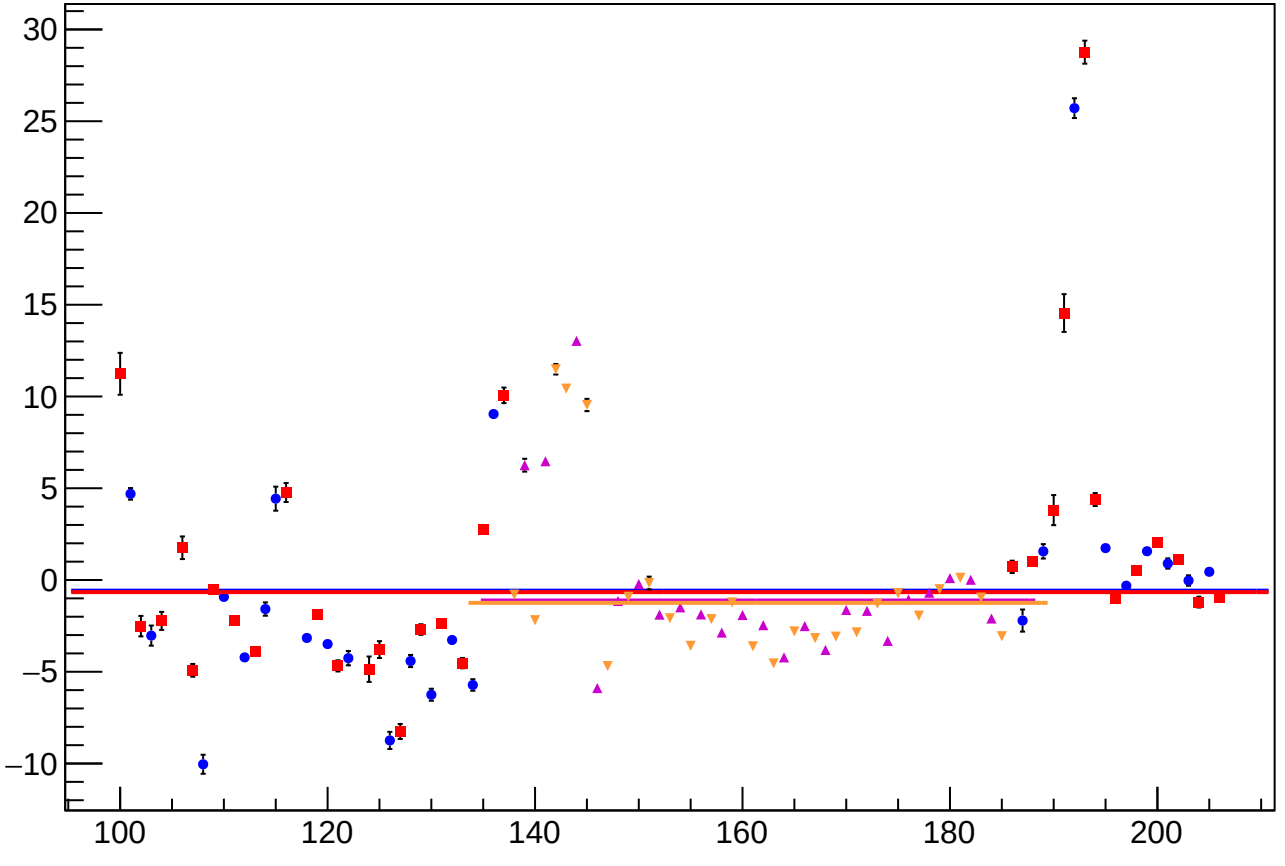
Right: -0.575+/-0.029 χ^2/NDF: 230286.8/55

In: -0.507+/-0.030 χ^2/NDF:240072.9/47

Out: -1.397+/-0.028 χ^2/NDF:282189.9/55

All: -0.979+/-0.021 χ^2/NDF: 522725.6/103

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.580+/-0.058 χ^2/NDF: 7168.9/24

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.660+/-0.053 χ^2/NDF: 5455.5/30

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

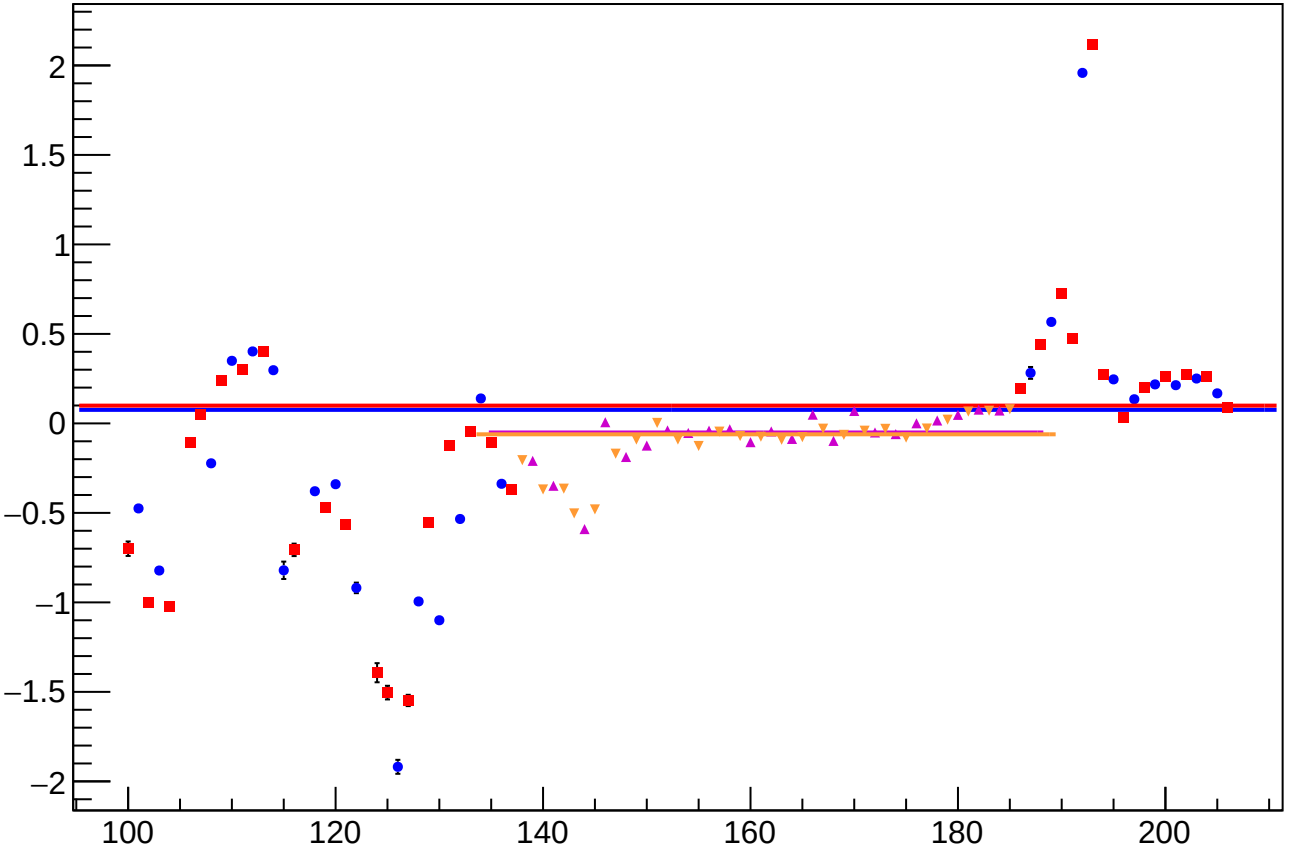
Right: -0.623+/-0.039 χ^2/NDF: 12625.5/55

In: -0.967+/-0.030 χ^2/NDF:14071.5/47

Out: -1.053+/-0.031 χ^2/NDF:12304.6/55

All: -1.010+/-0.022 χ^2/NDF: 26380.1/103

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.076+/-0.003 χ^2/NDF: 33179.6/24

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.099+/-0.002 χ^2/NDF: 33549.4/30

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

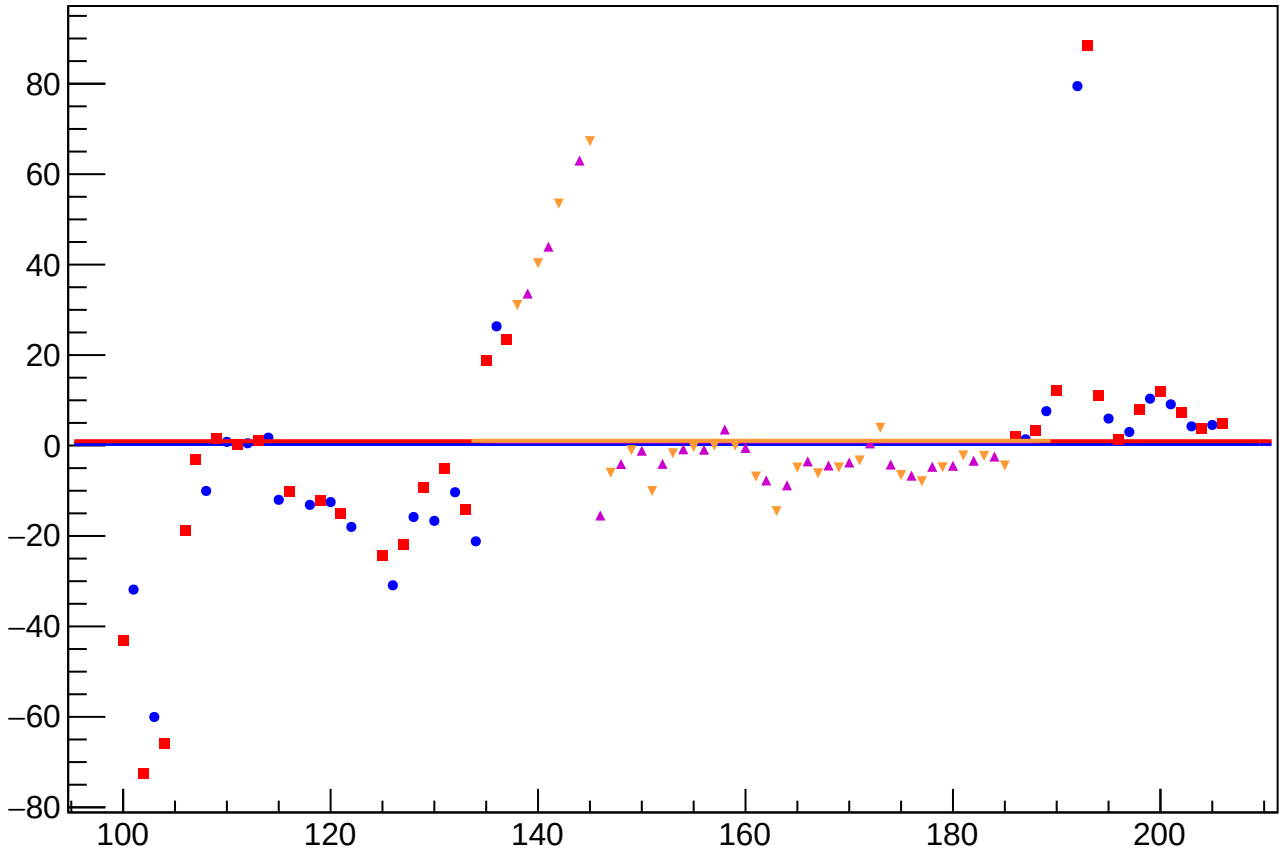
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.088+/-0.002 χ^2/NDF: 66773.8/55

In: -0.018+/-0.001 χ^2/NDF:39816.9/47

Out: -0.011+/-0.001 χ^2/NDF:42040.1/55

All: -0.014+/-0.001 χ^2/NDF: 81869.4/103



Right In: 0.350+/-0.042 χ^2/NDF: 119317.7/24

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.950+/-0.036 χ^2/NDF: 118507.9/28

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

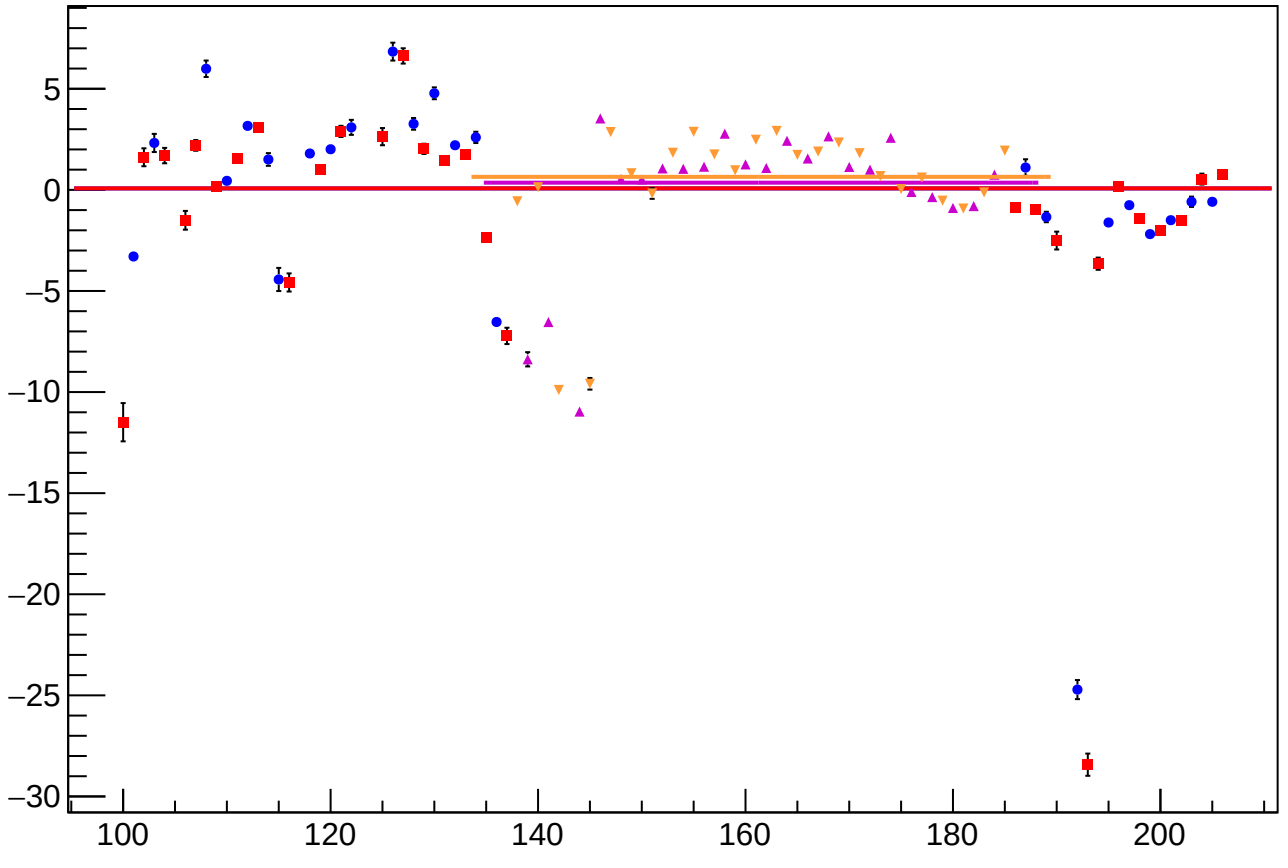
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: 0.698+/-0.027 χ^2/NDF: 237944.2/53

In: 0.646+/-0.029 χ^2/NDF:252219.7/47

Out: 0.995+/-0.027 χ^2/NDF:249542.5/52

All: 0.834+/-0.020 χ^2/NDF: 501840.7/100



Right In: 0.070+/-0.048 χ^2/NDF: 5963.5/24

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.075+/-0.045 χ^2/NDF: 4991.4/28

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

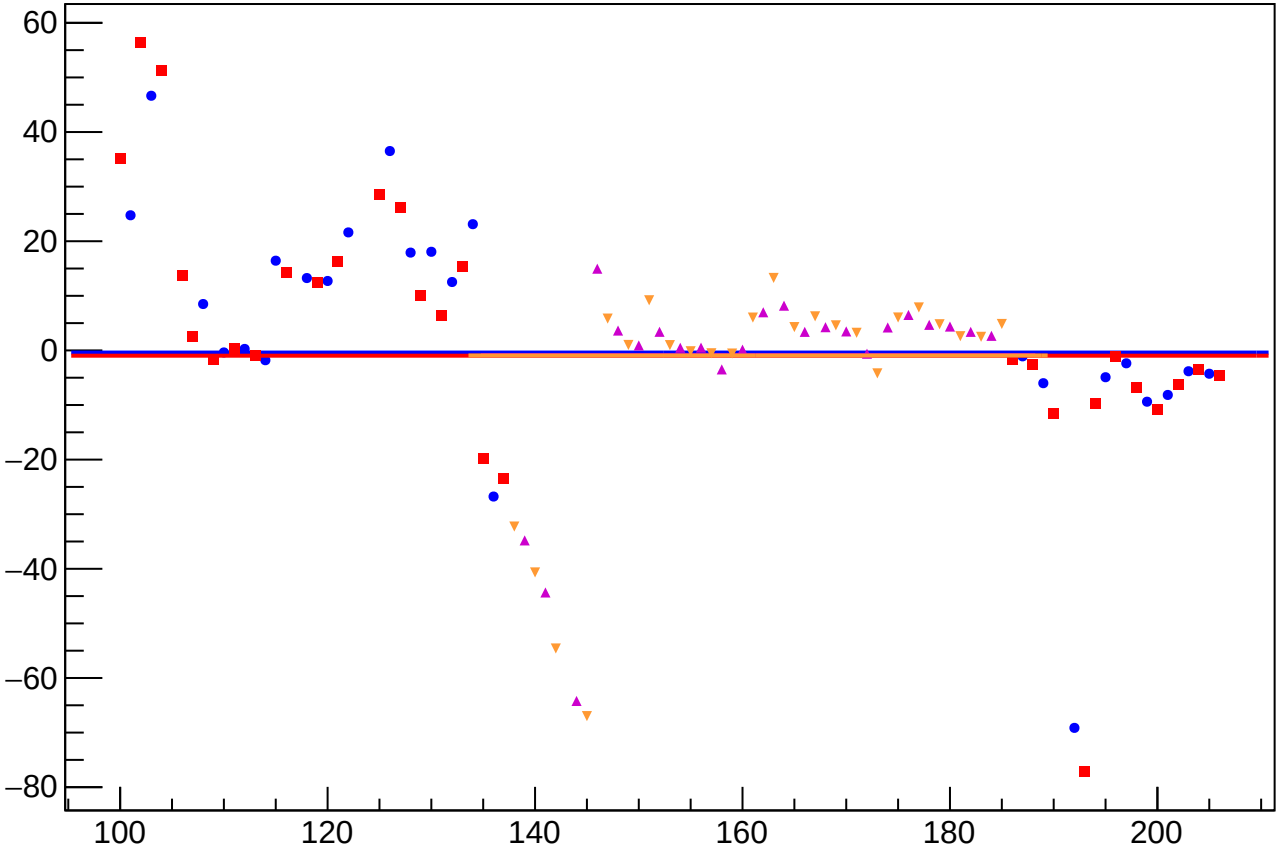
Right: 0.073+/-0.033 χ^2/NDF: 10954.9/53

In: 0.270+/-0.026 χ^2/NDF:13105.2/47

Out: 0.441+/-0.027 χ^2/NDF:9806.9/52

All: 0.355+/-0.019 χ^2/NDF: 22933.0/100

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.392+/-0.044 χ^2/NDF: 118236.1/24

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.967+/-0.038 χ^2/NDF: 116911.7/28

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

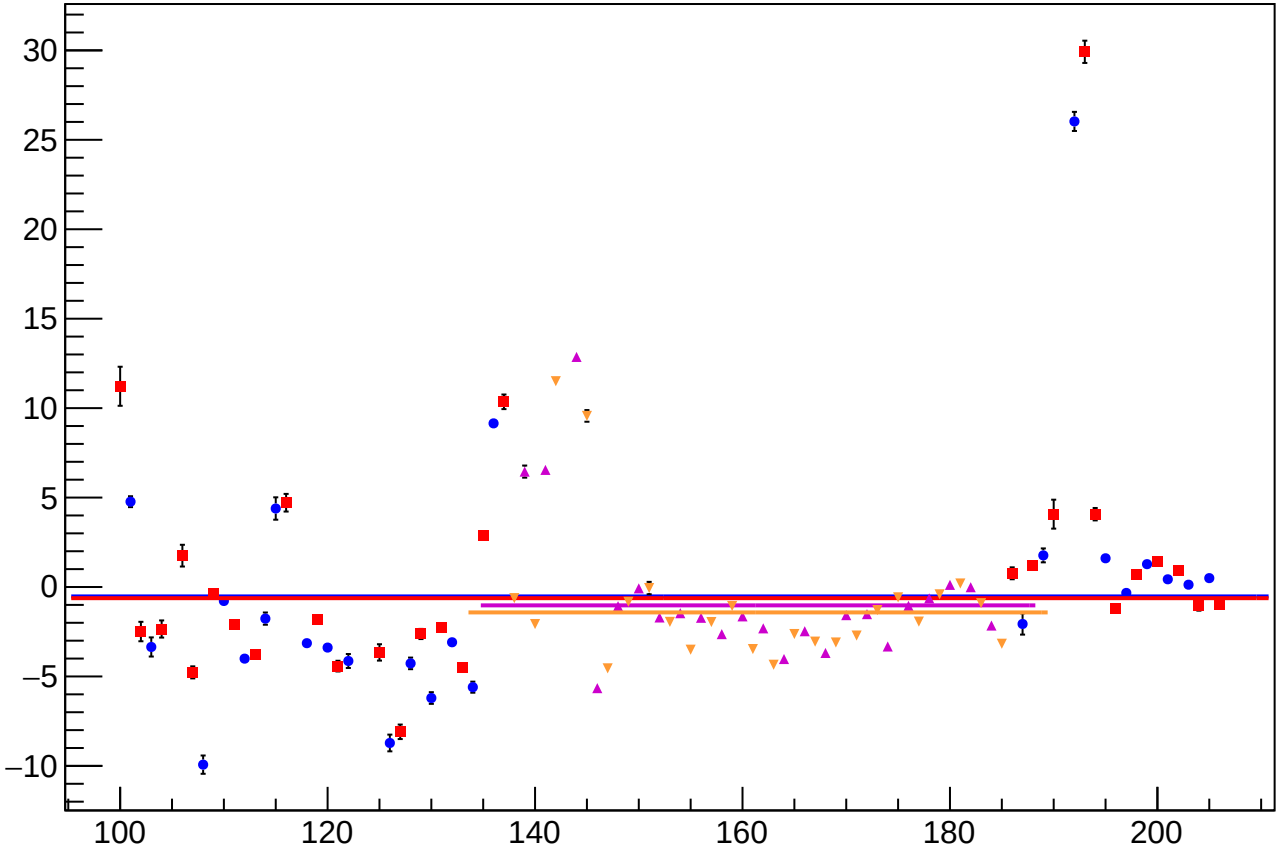
Right: -0.721+/-0.029 χ^2/NDF: 235246.9/53

In: -0.651+/-0.029 χ^2/NDF:247784.7/47

Out: -0.949+/-0.028 χ^2/NDF:243290.8/52

All: -0.809+/-0.020 χ^2/NDF: 491130.5/100

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.526+/-0.056 χ^2/NDF: 7449.6/24

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.624+/-0.052 χ^2/NDF: 5505.4/28

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

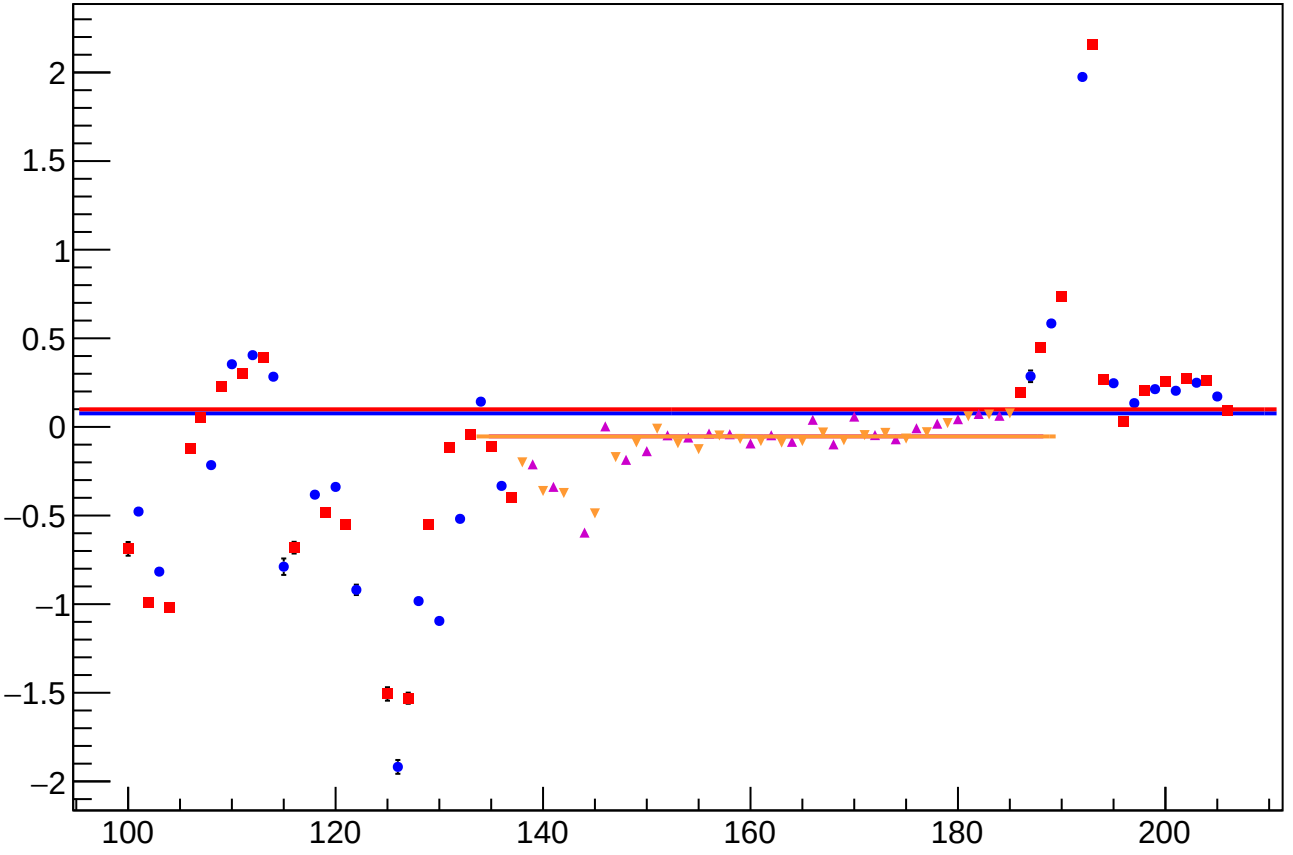
Right: -0.579+/-0.038 χ^2/NDF: 12956.7/53

In: -0.887+/-0.030 χ^2/NDF:14554.1/47

Out: -1.156+/-0.030 χ^2/NDF:10304.3/52

All: -1.020+/-0.021 χ^2/NDF: 24899.1/100

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.077+/-0.003 χ^2/NDF: 34309.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.099+/-0.002 χ^2/NDF: 34003.3/28

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

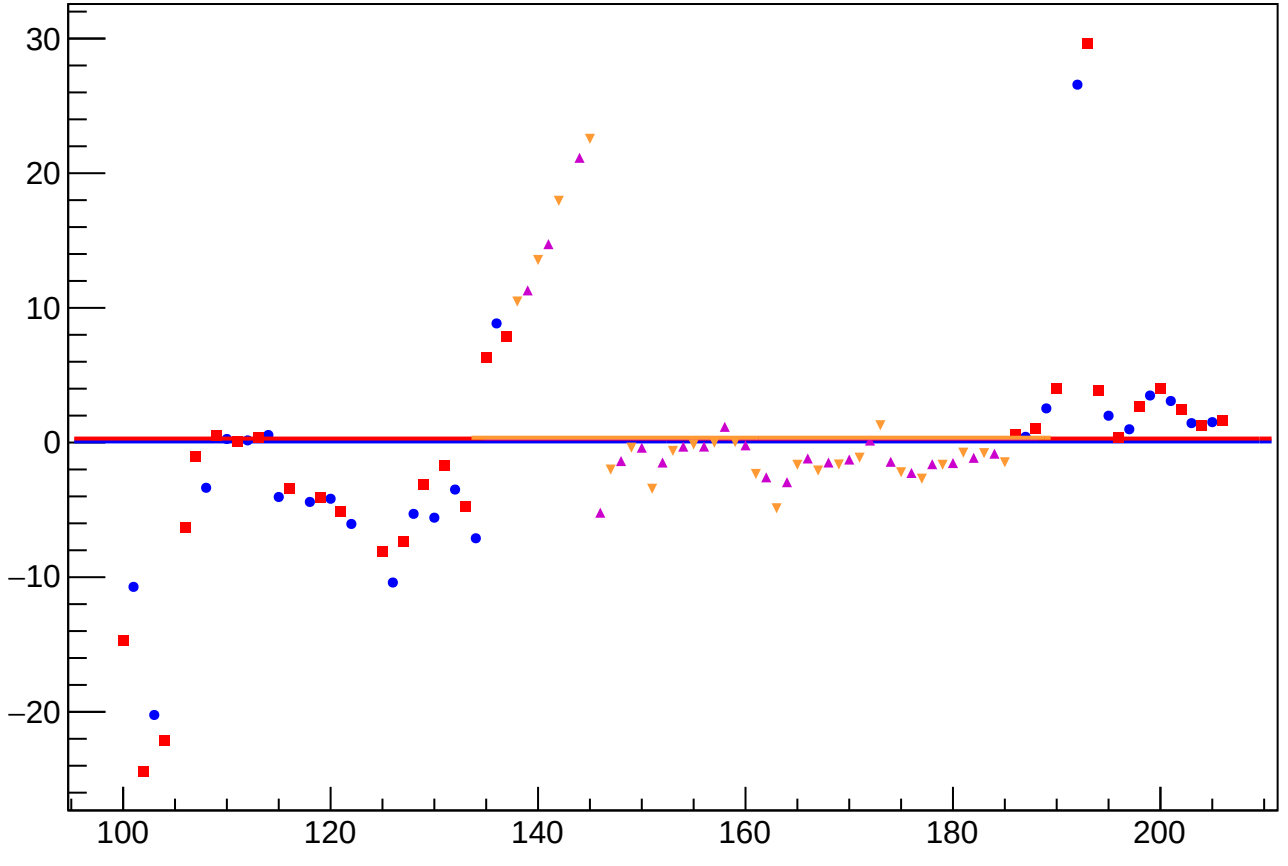
Right: 0.089+/-0.002 χ^2/NDF: 68356.0/53

In: -0.020+/-0.001 χ^2/NDF:41283.7/47

Out: -0.006+/-0.001 χ^2/NDF:41226.7/52

All: -0.013+/-0.001 χ^2/NDF: 82566.5/100

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.083+/-0.014 χ^2/NDF: 117248.8/24

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.295+/-0.012 χ^2/NDF: 116673.3/28

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

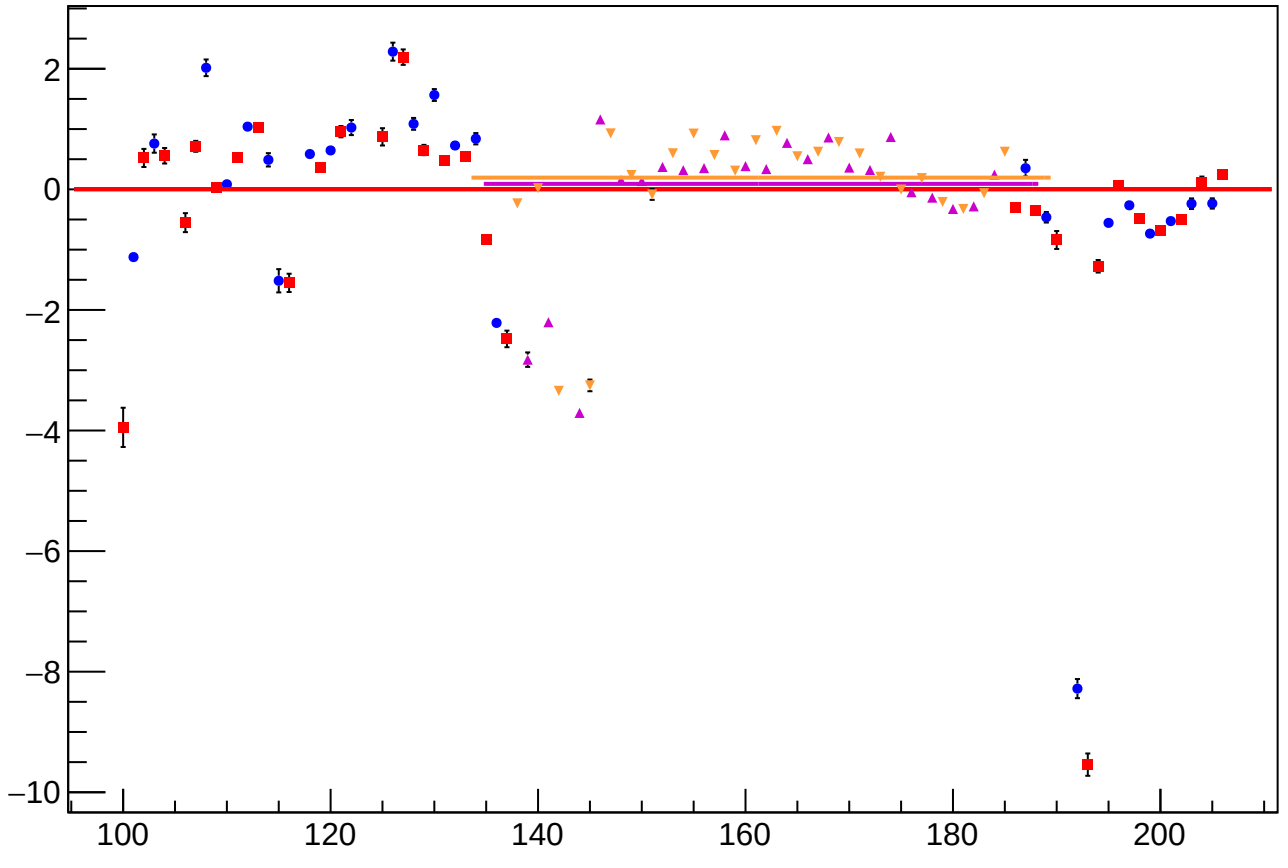
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.206+/-0.009 χ^2/NDF: 234047.6/53

In: 0.207+/-0.010 χ^2/NDF:247612.6/47

Out: 0.323+/-0.009 χ^2/NDF:245514.7/52

All: 0.269+/-0.007 χ^2/NDF: 493201.7/100



Right In: 0.002+/-0.016 χ^2/NDF: 5835.8/24

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.003+/-0.015 χ^2/NDF: 4896.6/28

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

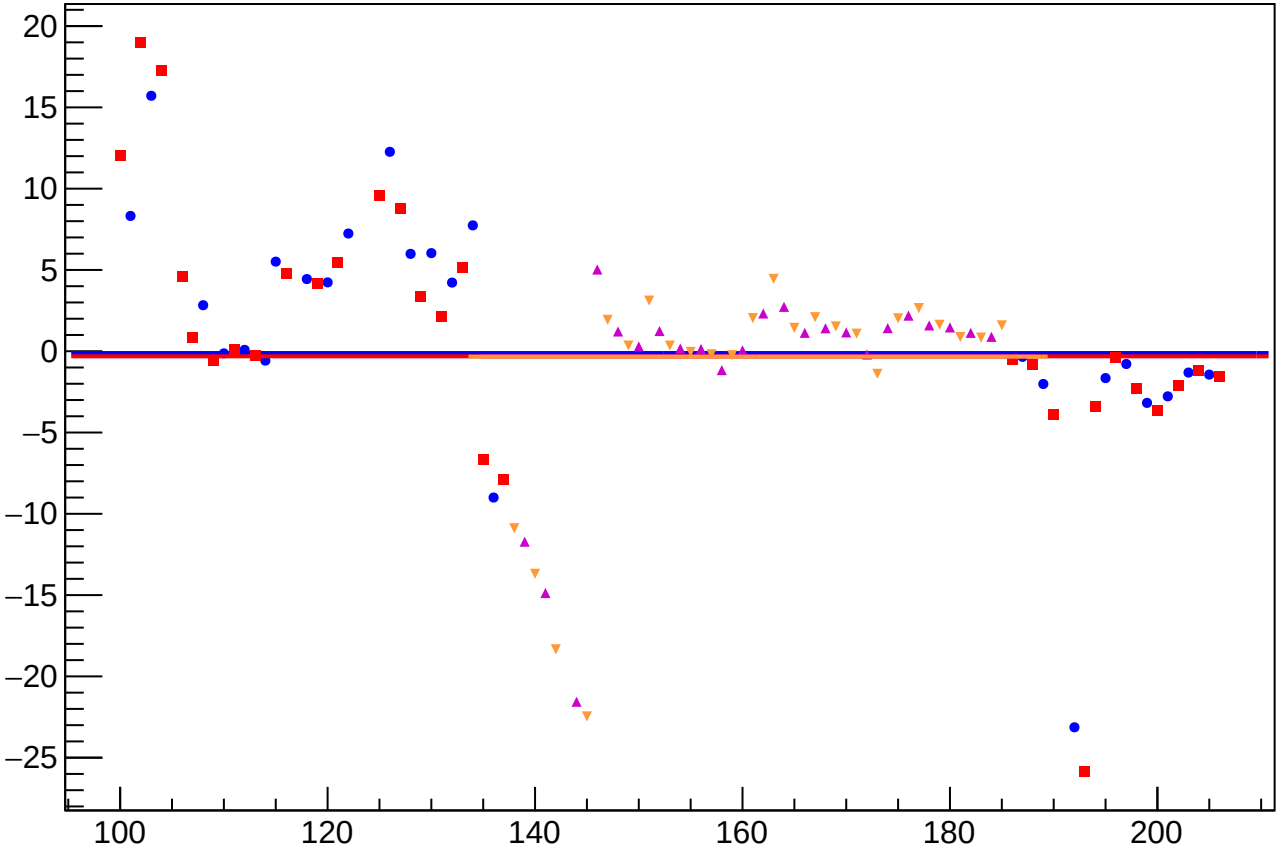
Right: 0.003+/-0.011 χ^2/NDF: 10732.4/53

In: 0.064+/-0.009 χ^2/NDF:12792.9/47

Out: 0.127+/-0.009 χ^2/NDF:9642.1/52

All: 0.095+/-0.006 χ^2/NDF: 22458.7/100

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.111+/-0.015 χ^2/NDF: 116205.3/24

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.314+/-0.013 χ^2/NDF: 115130.4/28

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

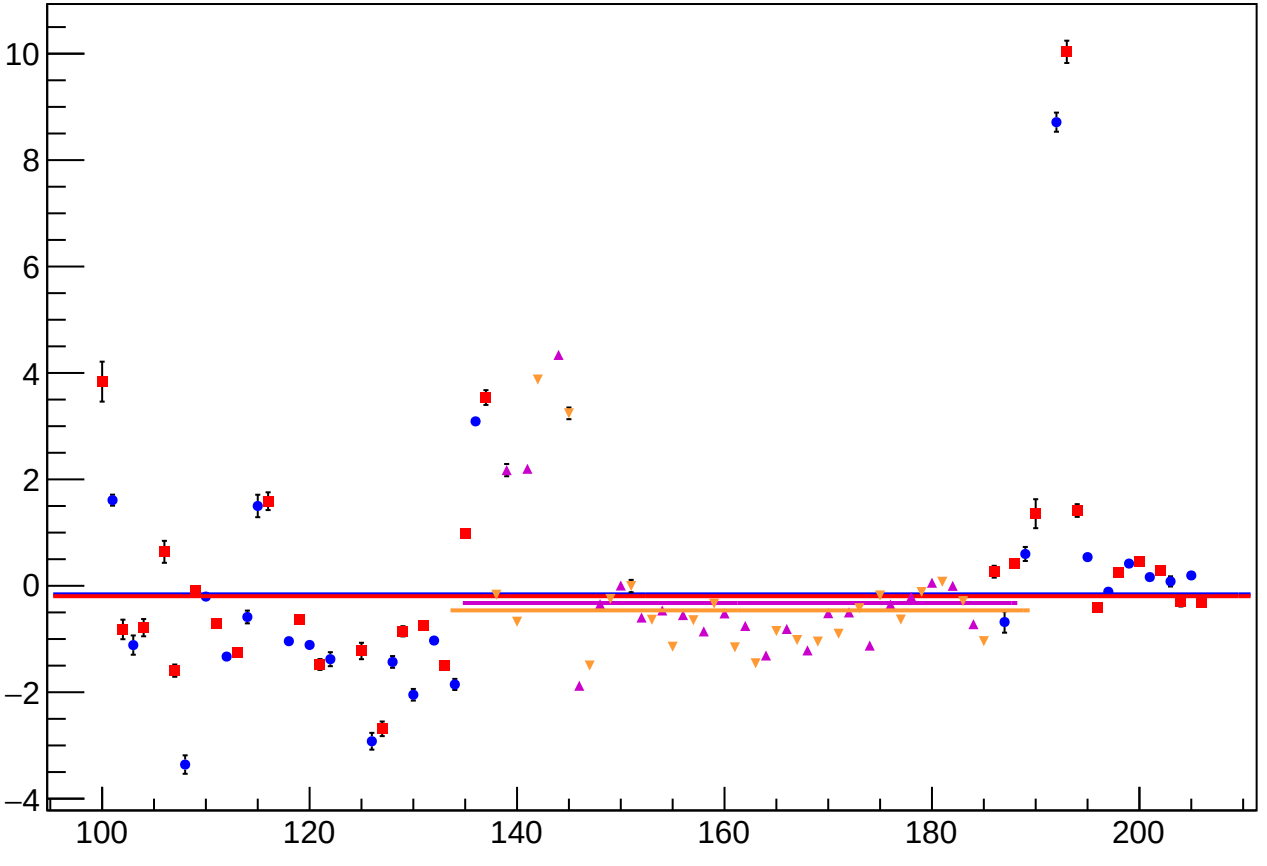
Right: -0.227+/-0.010 χ^2/NDF: 231440.8/53

In: -0.223+/-0.010 χ^2/NDF:243306.2/47

Out: -0.322+/-0.009 χ^2/NDF:239364.8/52

All: -0.276+/-0.007 χ^2/NDF: 482722.7/100

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.161+/-0.019 χ^2/NDF: 7293.9/24

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.195+/-0.018 χ^2/NDF: 5409.3/28

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

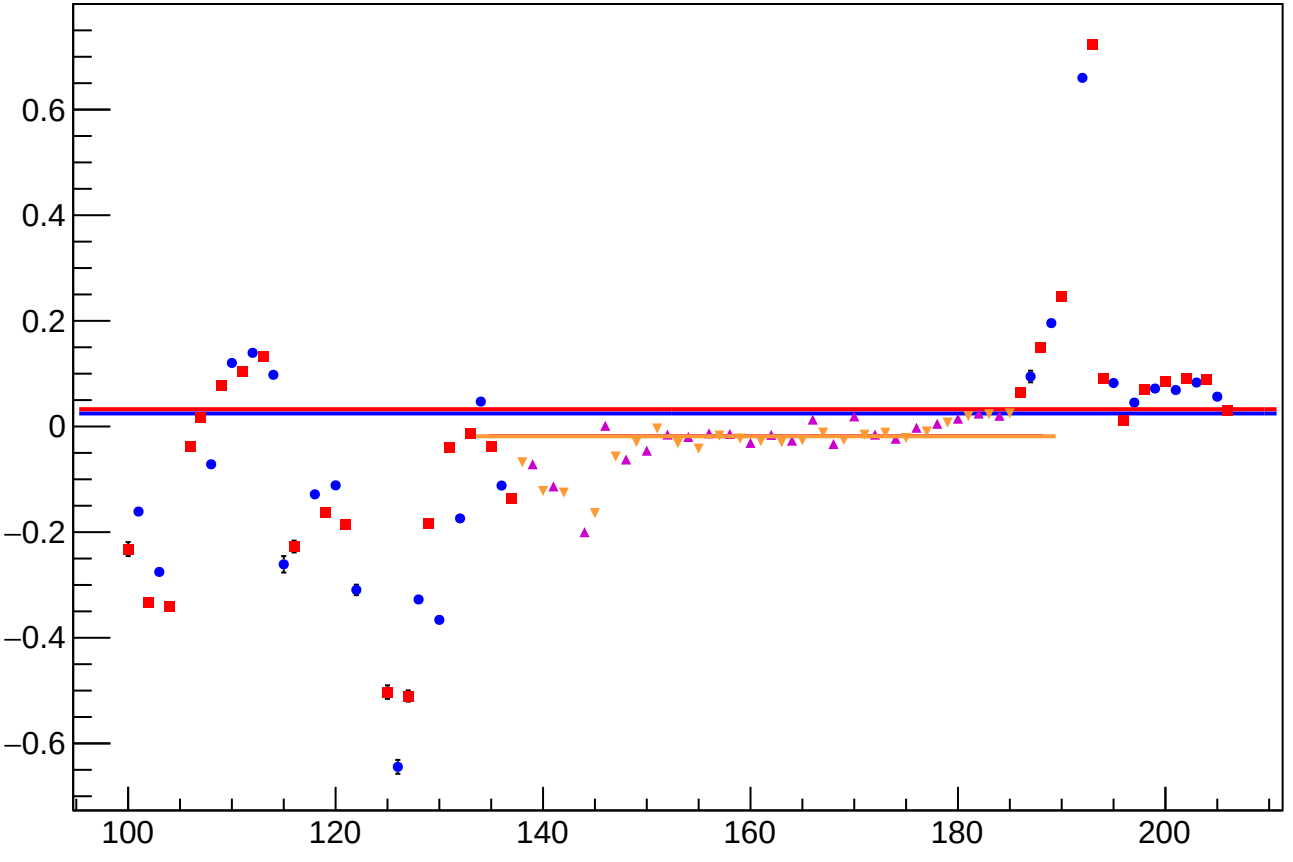
Right: -0.179+/-0.013 χ^2/NDF: 12705.0/53

In: -0.278+/-0.010 χ^2/NDF:14227.3/47

Out: -0.374+/-0.010 χ^2/NDF:10138.4/52

All: -0.325+/-0.007 χ^2/NDF: 24410.0/100

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.025+/-0.001 χ^2/NDF: 33720.5/24

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.033+/-0.001 χ^2/NDF: 33384.8/28

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

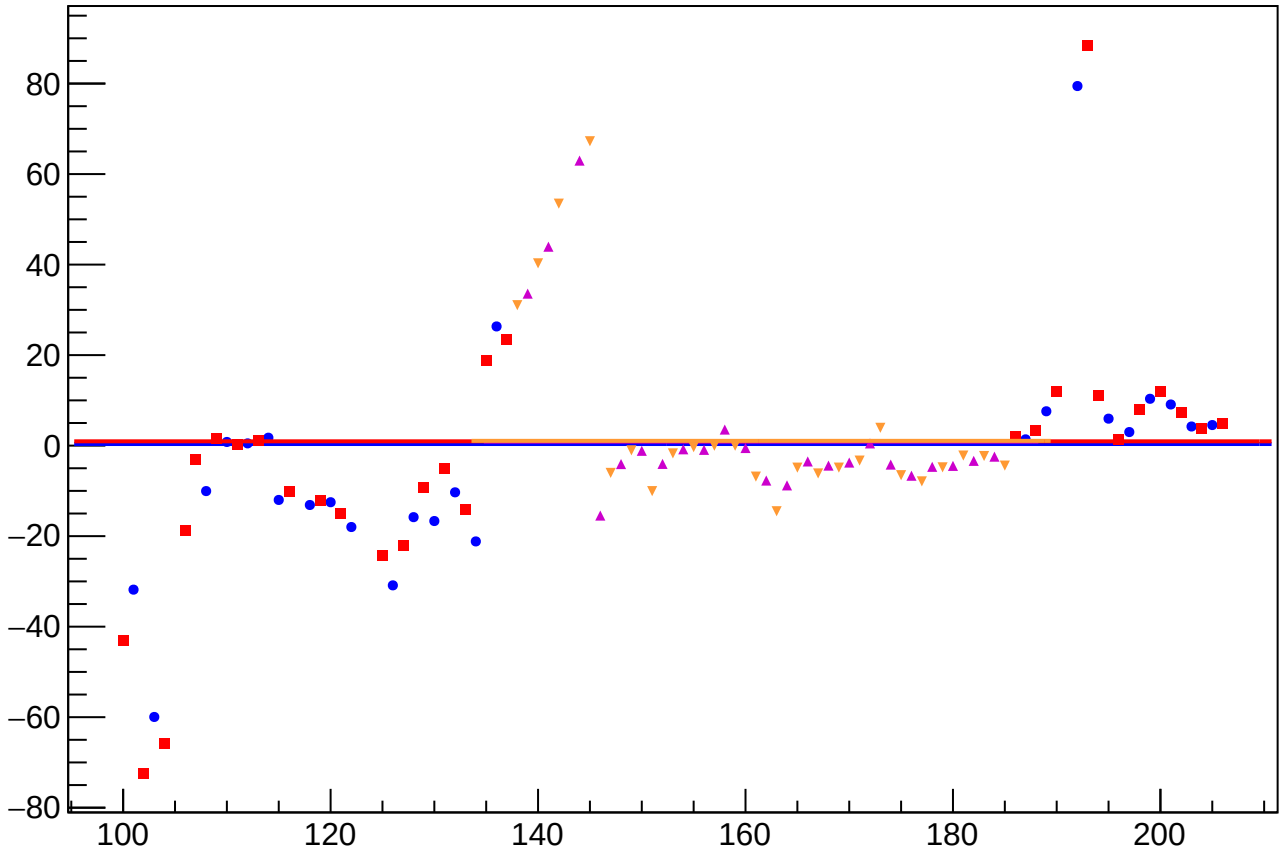
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.029+/-0.001 χ^2/NDF: 67151.1/53

In: -0.007+/-0.000 χ^2/NDF:40406.3/47

Out: -0.003+/-0.000 χ^2/NDF:40362.4/52

All: -0.005+/-0.000 χ^2/NDF: 80816.6/100



Right In: 0.356+/-0.042 χ^2/NDF: 119338.3/24

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.955+/-0.036 χ^2/NDF: 118525.6/28

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

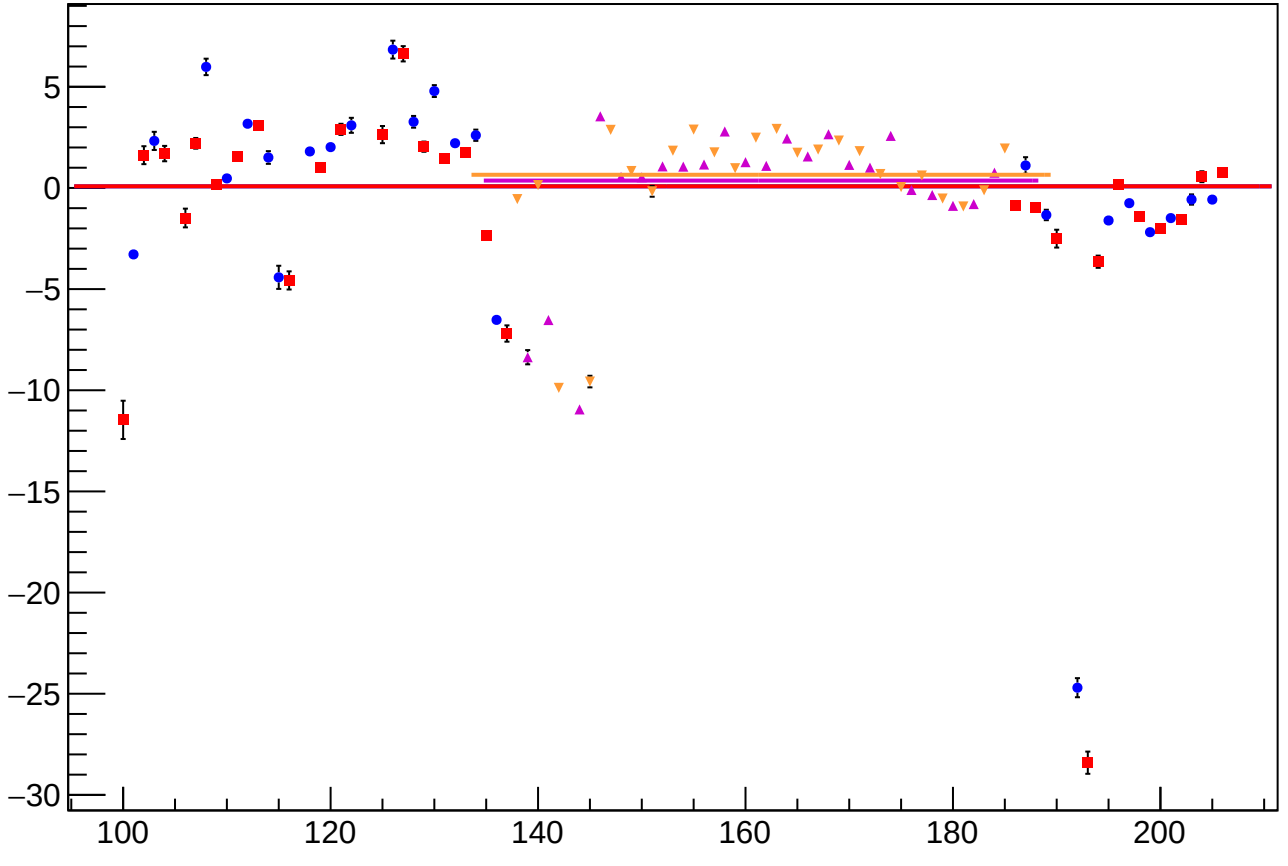
Right: 0.703+/-0.027 χ^2/NDF: 237981.9/53

In: 0.651+/-0.029 χ^2/NDF:252248.0/47

Out: 1.000+/-0.027 χ^2/NDF:249539.8/52

All: 0.838+/-0.020 χ^2/NDF: 501866.3/100

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.048 χ^2/NDF: 5967.3/24

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.082+/-0.045 χ^2/NDF: 4993.2/28

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

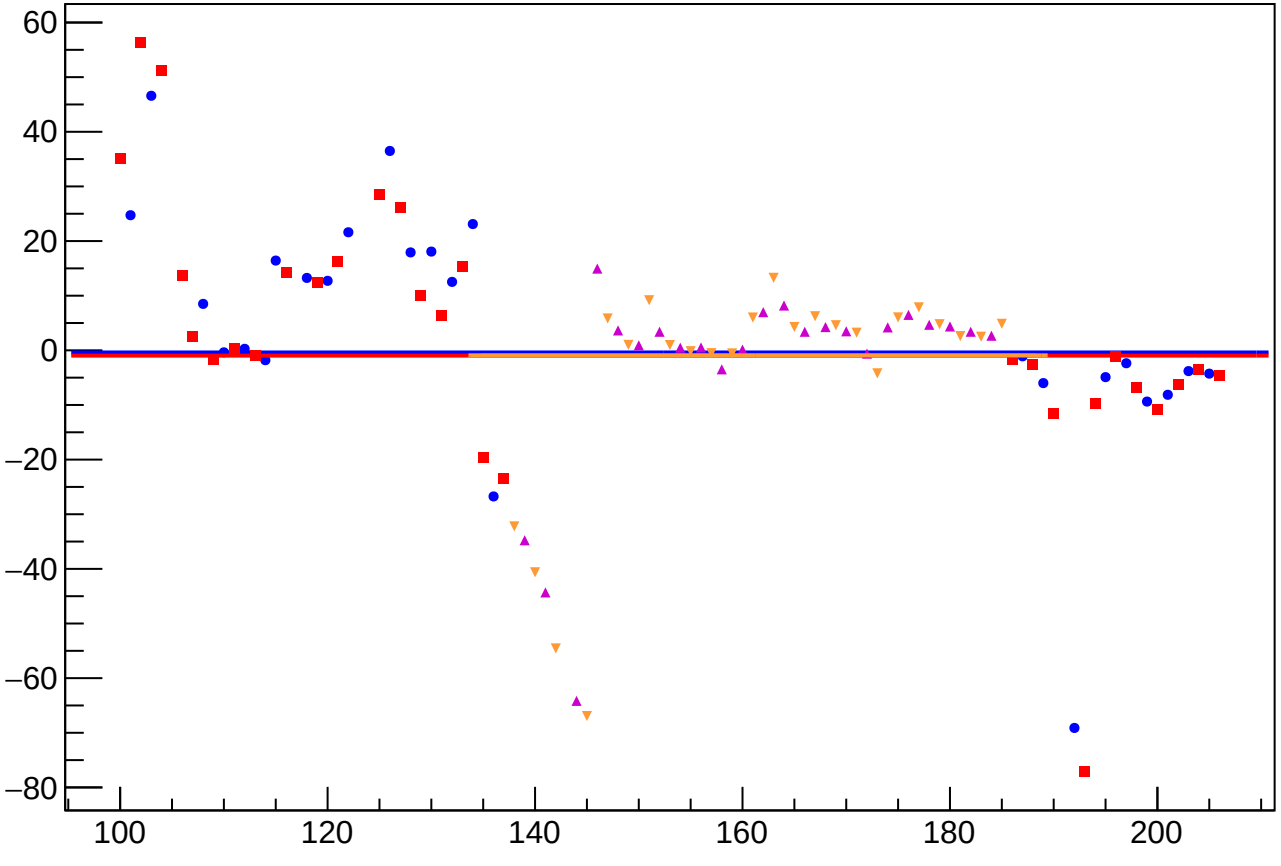
Right: 0.080+/-0.033 χ^2/NDF: 10960.5/53

In: 0.279+/-0.026 χ^2/NDF:13114.6/47

Out: 0.448+/-0.027 χ^2/NDF:9807.0/52

All: 0.363+/-0.019 χ^2/NDF: 22942.1/100

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.393+/-0.044 χ^2/NDF: 118254.2/24

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.966+/-0.038 χ^2/NDF: 116925.2/28

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

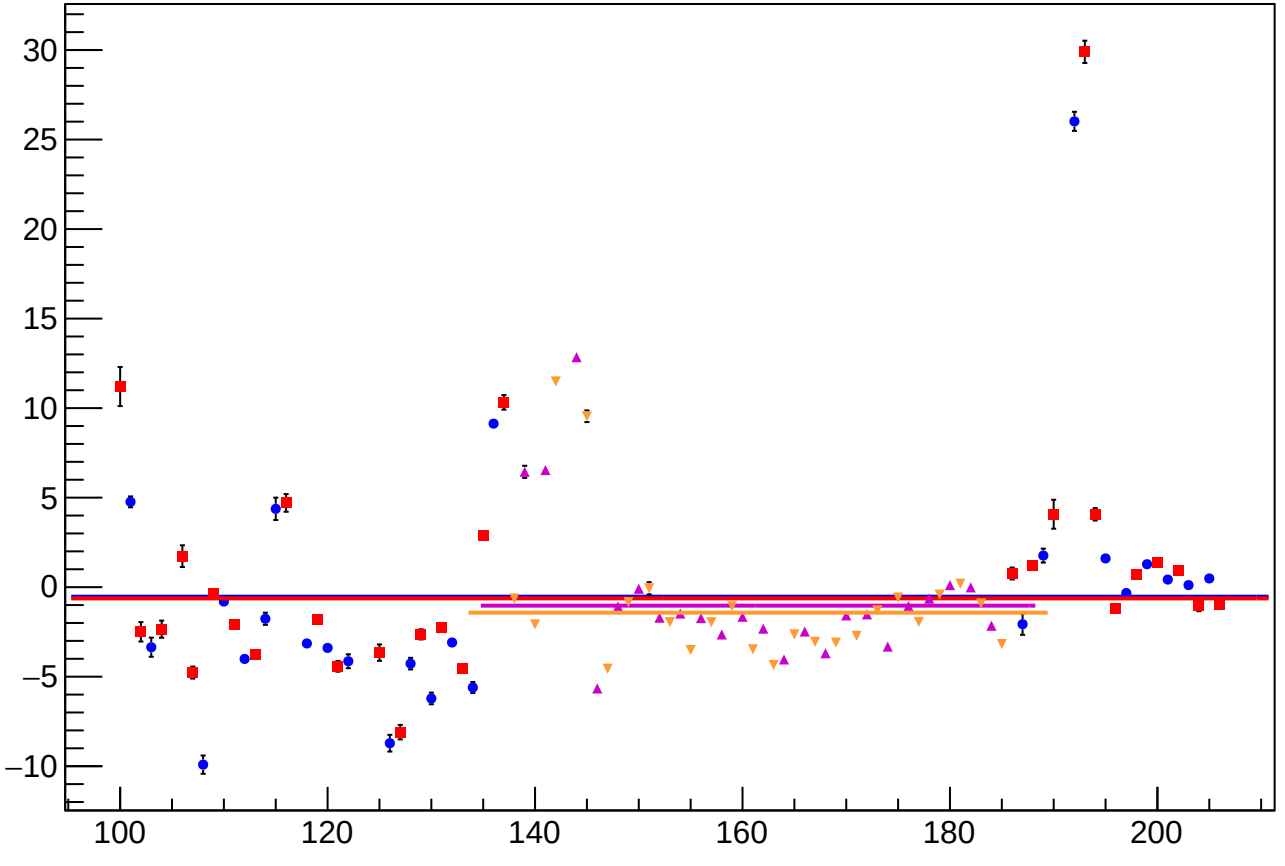
Right: -0.721+/-0.029 χ^2/NDF: 235278.0/53

In: -0.650+/-0.029 χ^2/NDF:247807.7/47

Out: -0.948+/-0.028 χ^2/NDF:243285.8/52

All: -0.807+/-0.020 χ^2/NDF: 491148.4/100

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.532+/-0.056 χ^2/NDF: 7452.5/24

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.628+/-0.052 χ^2/NDF: 5505.5/28

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

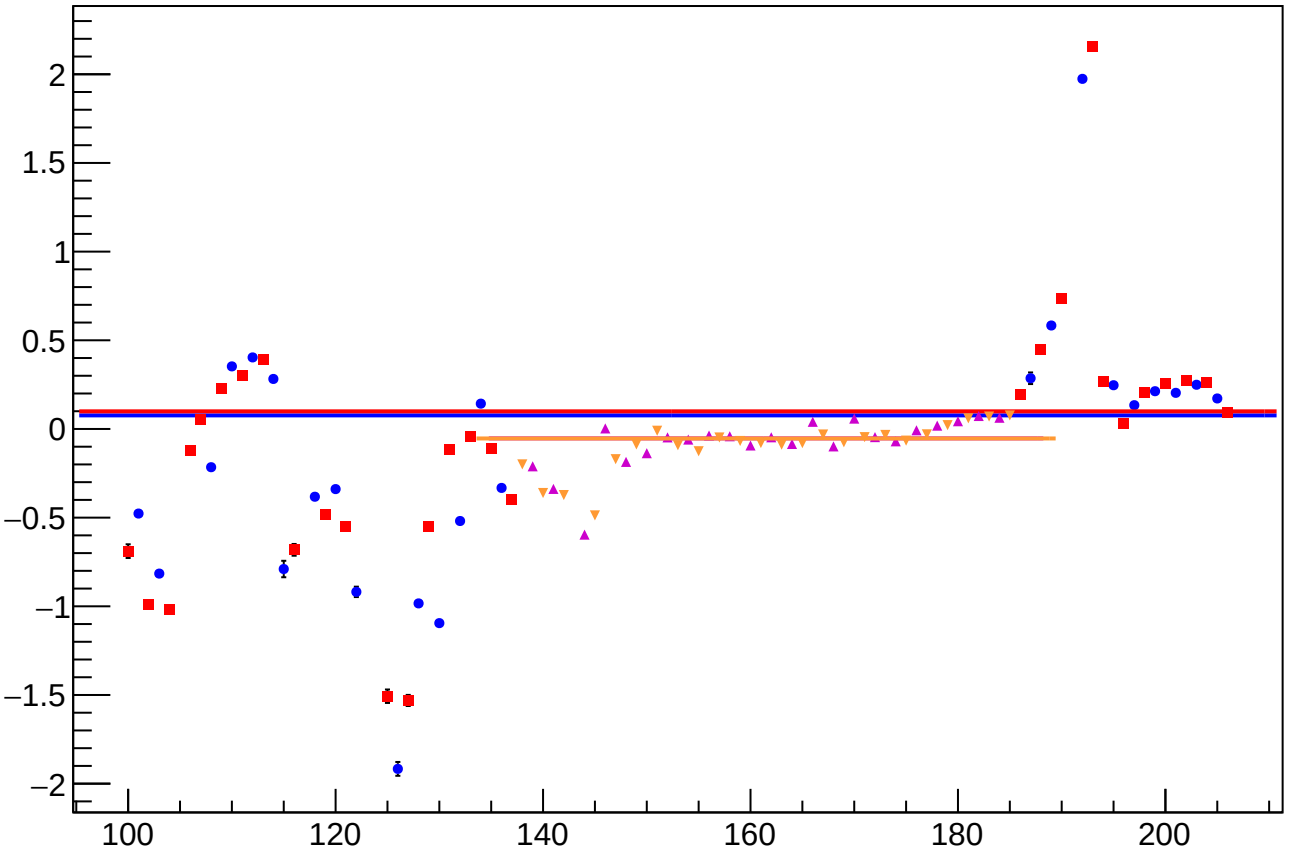
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.584+/-0.038 χ^2/NDF: 12959.6/53

In: -0.893+/-0.029 χ^2/NDF:14561.4/47

Out: -1.160+/-0.030 χ^2/NDF:10302.6/52

All: -1.025+/-0.021 χ^2/NDF: 24904.3/100



Right In: 0.077+/-0.003 χ^2/NDF: 34318.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.099+/-0.002 χ^2/NDF: 34017.1/28

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

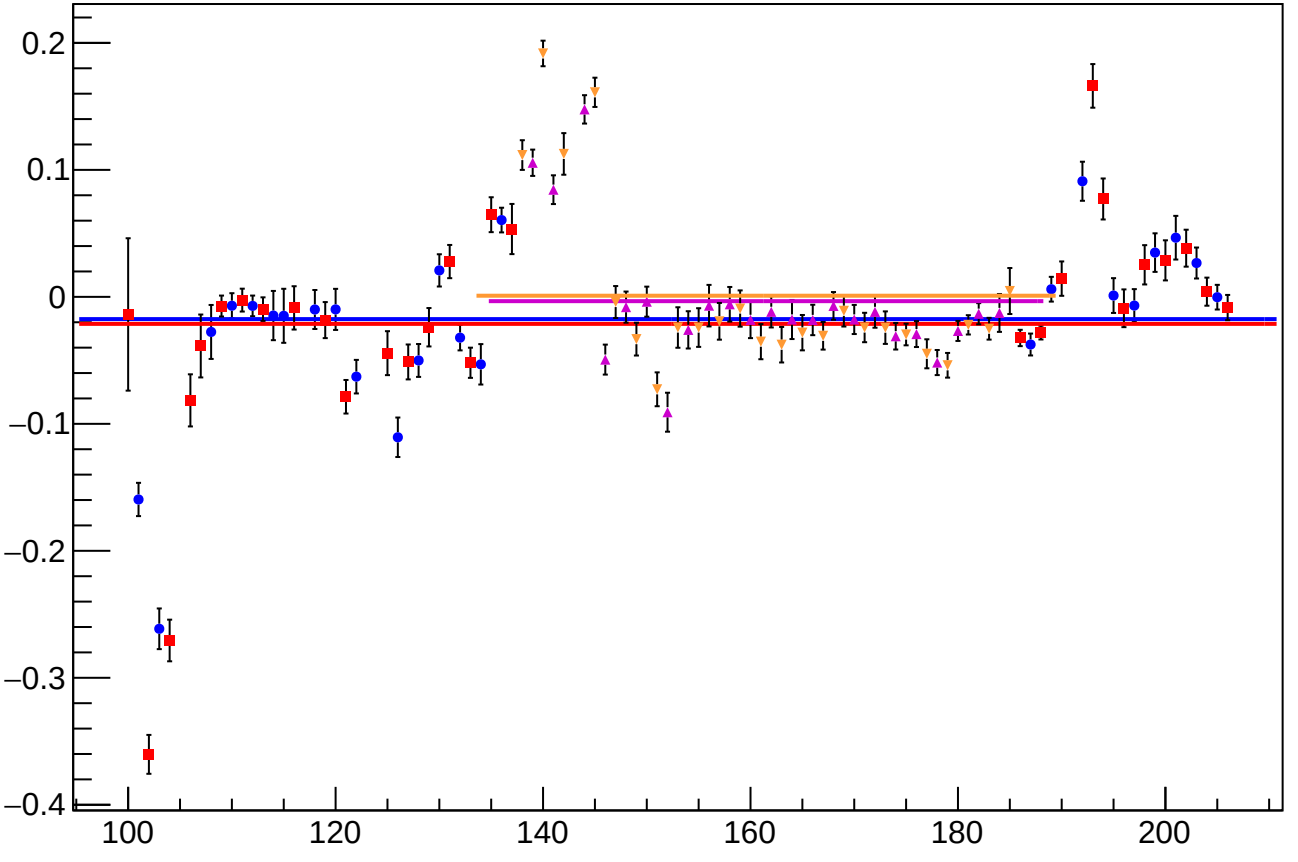
Right: 0.089+/-0.002 χ^2/NDF: 68378.9/53

In: -0.019+/-0.001 χ^2/NDF:41300.8/47

Out: -0.006+/-0.001 χ^2/NDF:41242.9/52

All: -0.013+/-0.001 χ^2/NDF: 82600.4/100

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.018+/-0.002 χ^2/NDF: 593.1/24

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.021+/-0.002 χ^2/NDF: 1050.6/28

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

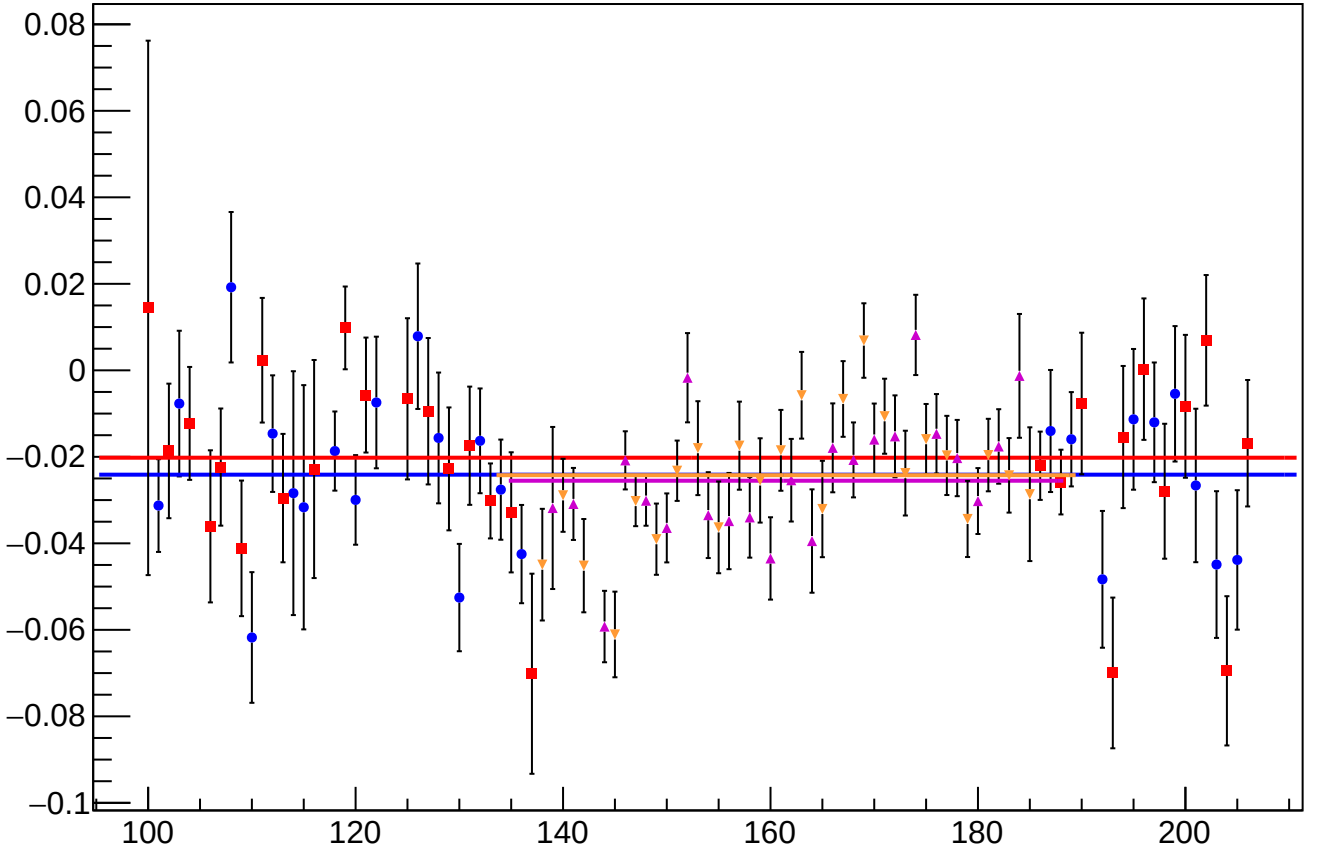
Right: -0.020+/-0.002 χ^2/NDF: 1645.0/53

In: -0.010+/-0.002 χ^2/NDF:1067.7/47

Out: -0.011+/-0.002 χ^2/NDF:1946.7/52

All: -0.011+/-0.001 χ^2/NDF: 3014.6/100

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 37.8/24

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 48.3/28

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

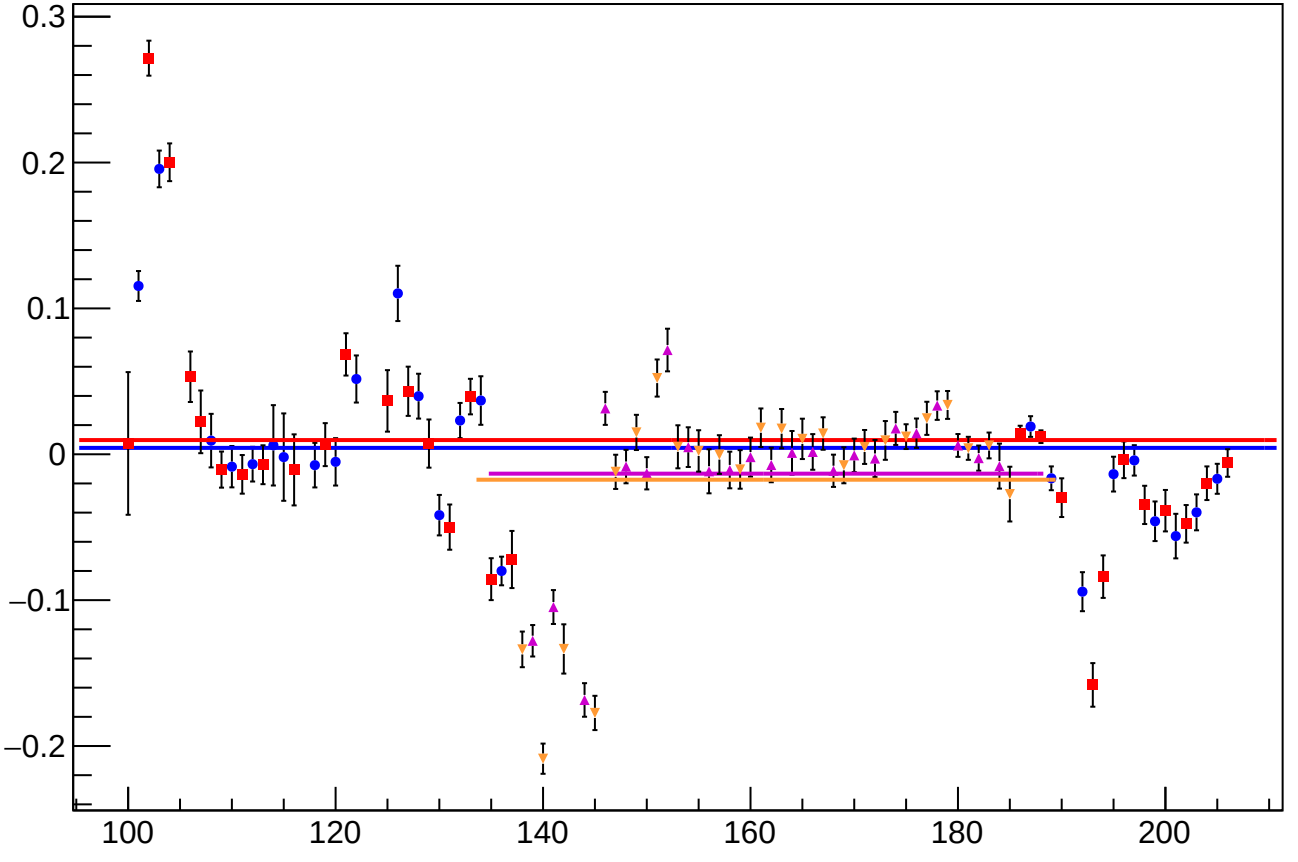
Right: -0.022+/-0.002 χ^2/NDF: 87.2/53

In: -0.025+/-0.002 χ^2/NDF:93.0/47

Out: -0.023+/-0.001 χ^2/NDF:103.7/52

All: -0.024+/-0.001 χ^2/NDF: 197.8/100

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.002 χ^2/NDF: 602.1/24

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.010+/-0.002 χ^2/NDF: 1043.1/28

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

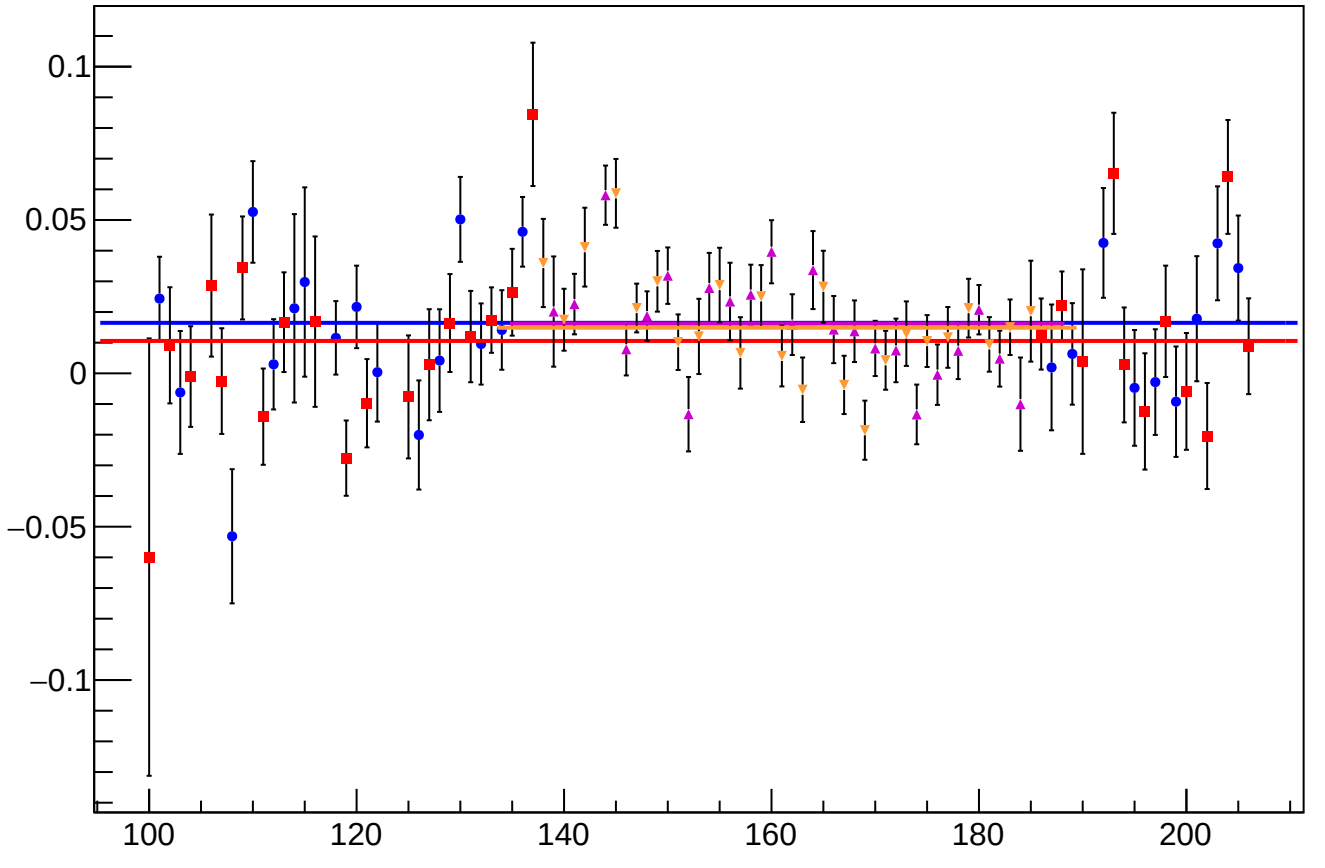
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.007+/-0.002 χ^2/NDF: 1648.0/53

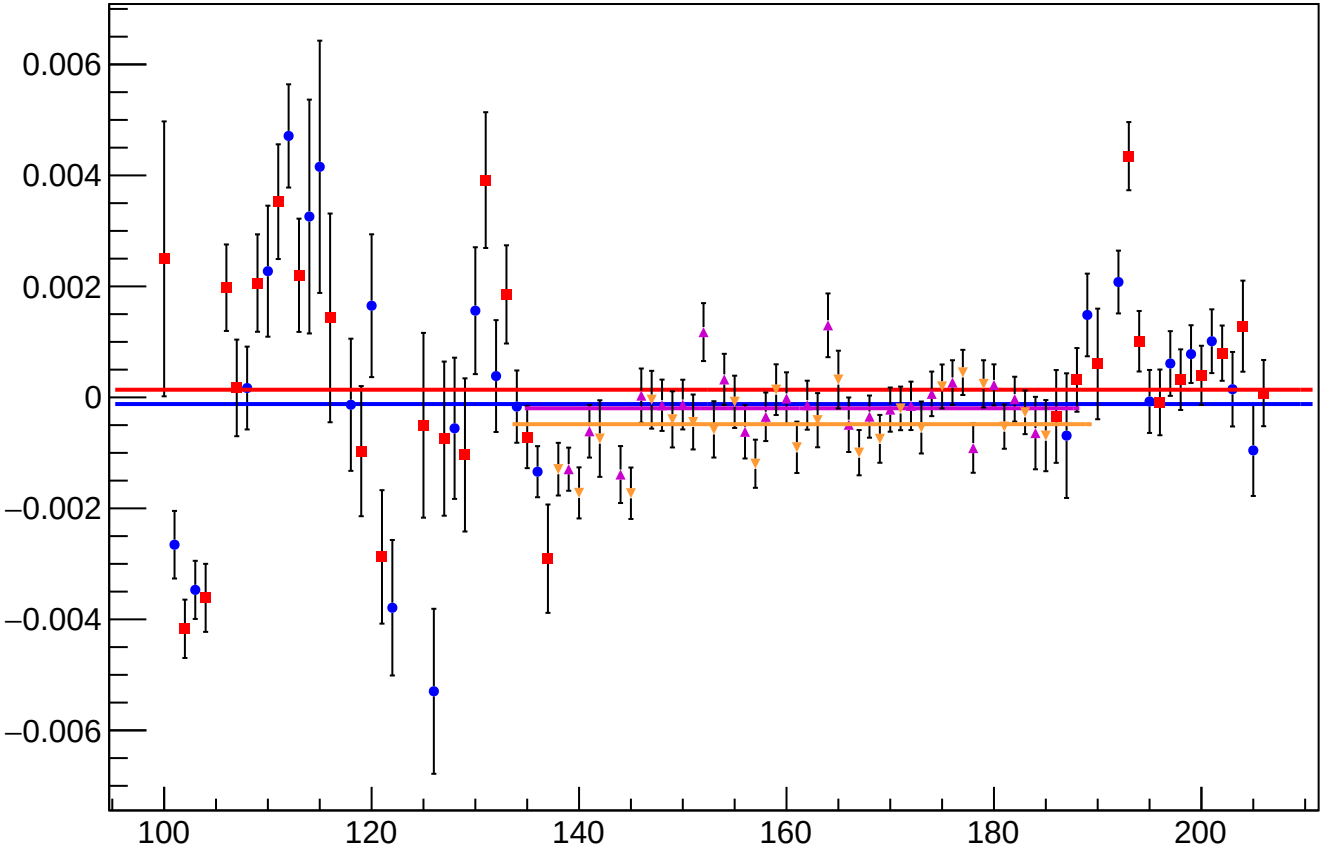
In: -0.005+/-0.002 χ^2/NDF:1087.0/47

Out: -0.002+/-0.002 χ^2/NDF:1928.0/52

All: -0.003+/-0.001 χ^2/NDF: 3016.2/100


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 47.3/24
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 54.7/28
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.002 χ²/NDF: 103.7/53
In: 0.016+/-0.002 χ²/NDF:105.3/47
Out: 0.014+/-0.002 χ²/NDF:108.1/52
All: 0.015+/-0.001 χ²/NDF: 214.6/100

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 157.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/28

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

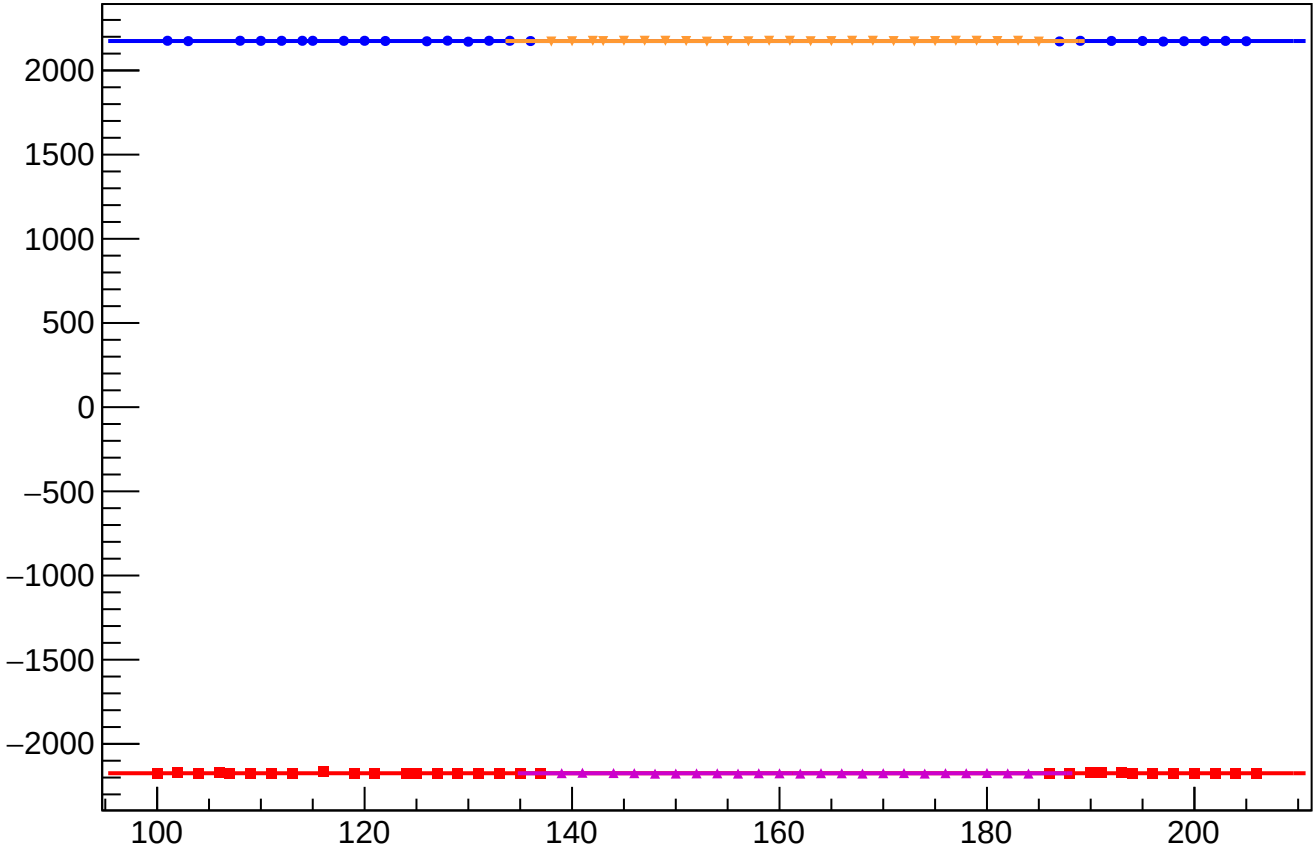
Right: 0.000+/-0.000 χ^2/NDF: 378.7/53

In: -0.000+/-0.000 χ^2/NDF:195.2/47

Out: -0.000+/-0.000 χ^2/NDF:273.8/52

All: -0.000+/-0.000 χ^2/NDF: 470.1/100

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.753+/-0.000 χ^2/NDF: 319117157177676515226889629781196 8.0/24

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.360+/-0.000 χ^2/NDF: 99724868807788711488586703595110 40.0/30

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

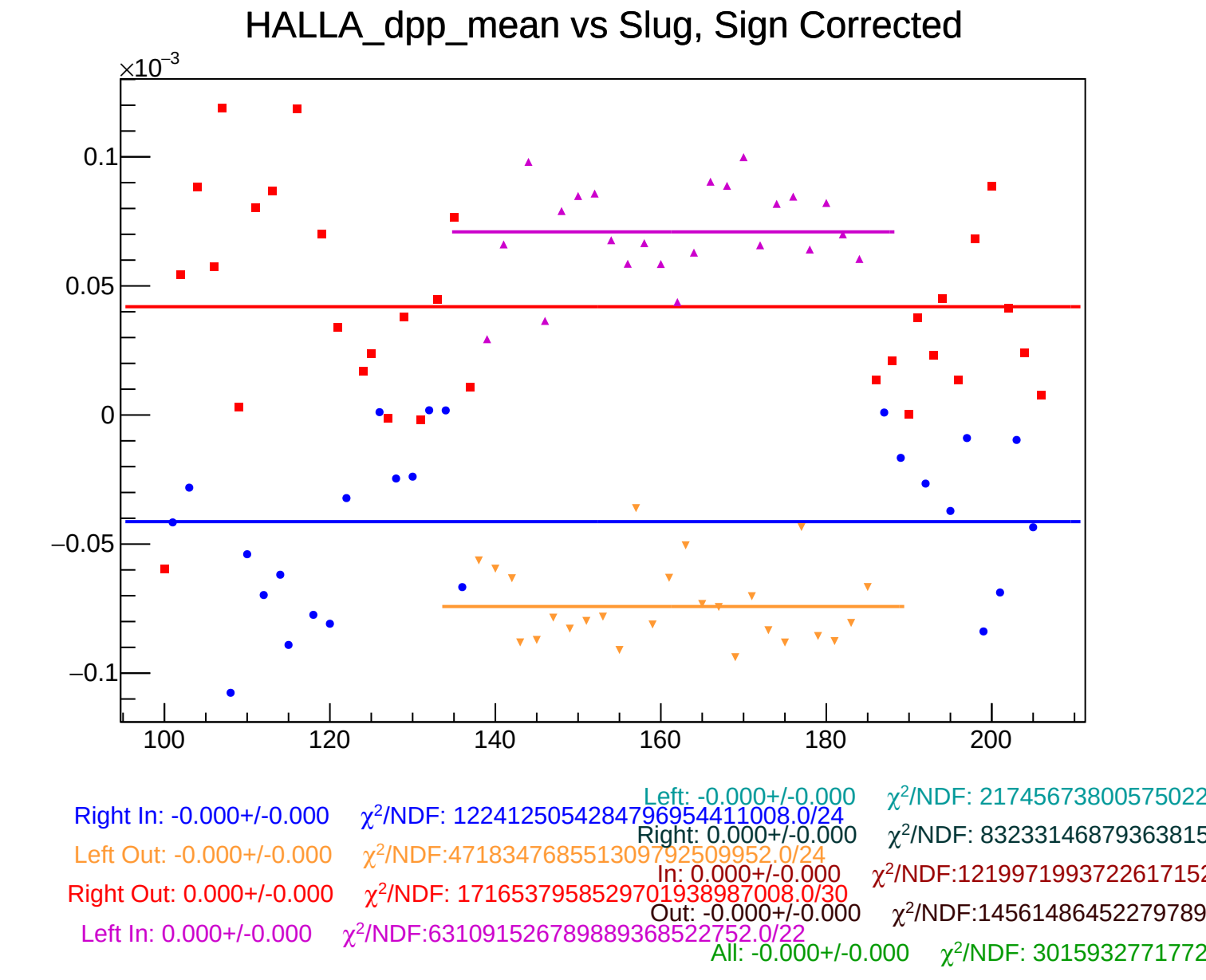
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -166.114+/-0.000 χ^2/NDF: 1469075918105

In: -300.557+/-0.000 χ^2/NDF:1553524908205401

Out: 197.609+/-0.000 χ^2/NDF:1735102843179370

All: -39.071+/-0.000 χ^2/NDF: 333225307486


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1224125054284796954411008.0/24
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 17165379585297019389870080/30
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 83233146879363815
In: 0.000+/-0.000 χ²/NDF:121997199372261715
Out: -0.000+/-0.000 χ²/NDF:14561486452279789
All: -0.000+/-0.000 χ²/NDF: 3015932771772

MQ171LM_mean vs Slug, Sign Corrected

Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

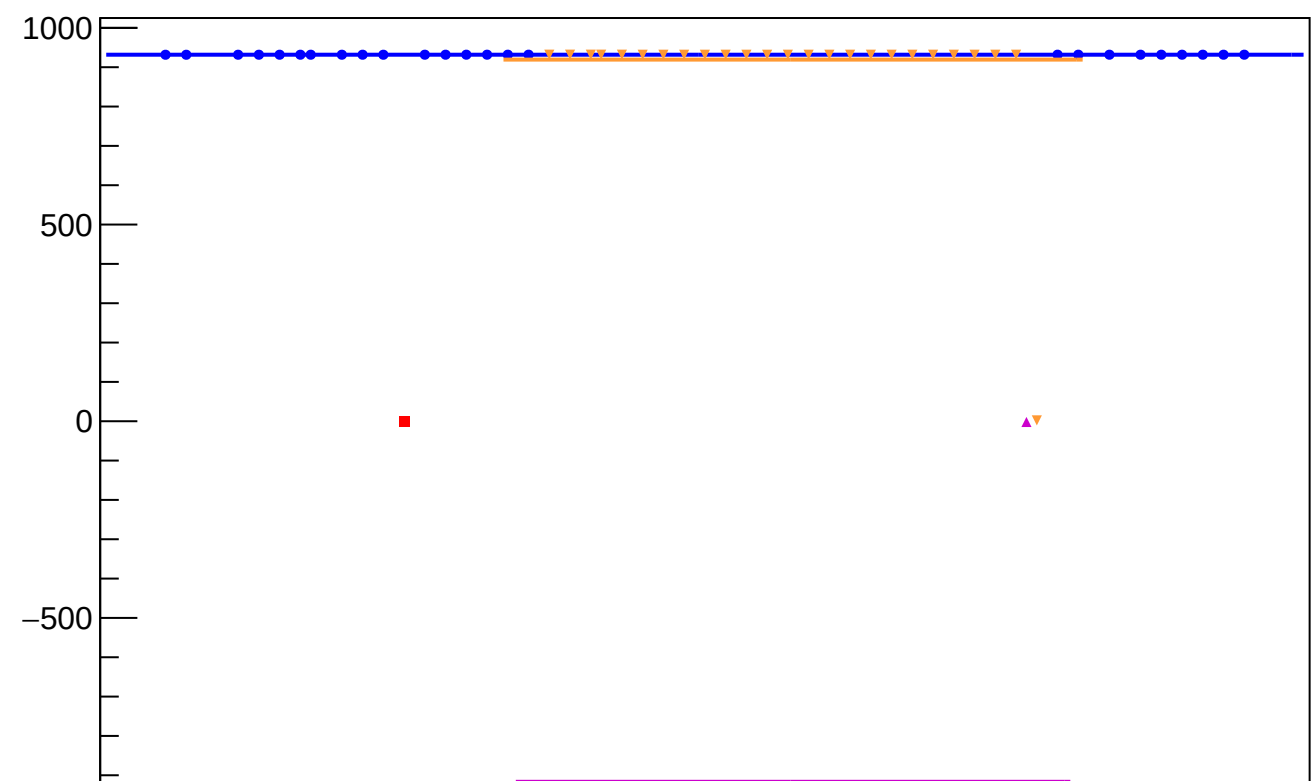
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2730516749999994

In: -0.001+/-0.000 χ^2/NDF:28871983707823154

Out: 0.001+/-0.000 χ^2/NDF:32251355574324243

All: -0.000+/-0.000 χ^2/NDF: 6193399108029



Right In: 931.777+/-0.000 χ^2/NDF: 3226937293652987618401166819328.0/24

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -923.472+/-0.000 χ^2/NDF: 1290623767679280294004340700945 8946048.0/30

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

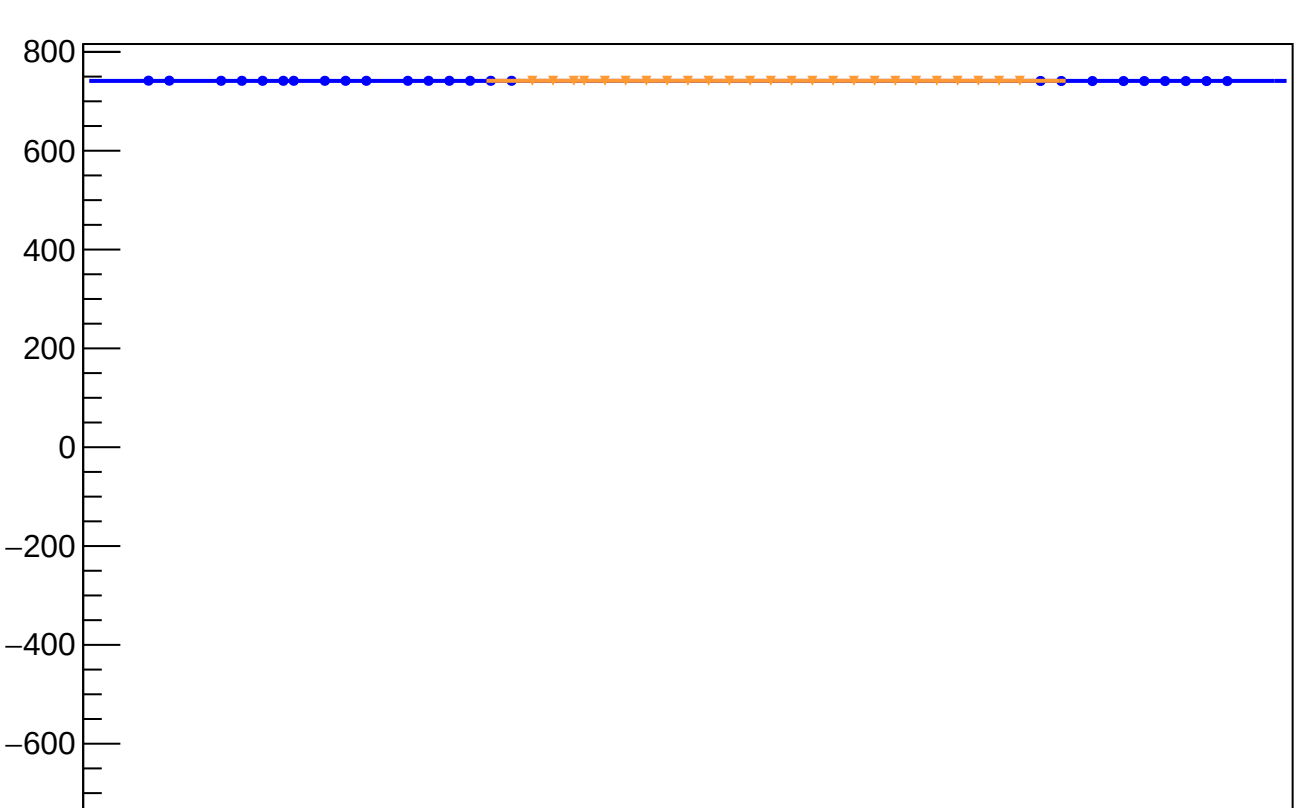
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right: -66.792+/-0.000 χ^2/NDF: 2686200767582075

In: -120.212+/-0.000 χ^2/NDF:2832324343737135

Out: 81.612+/-0.000 χ^2/NDF:31513080338415504

All: -14.275+/-0.000 χ^2/NDF: 605523543534



Right In: 741.312+/-0.000 χ^2/NDF: 10851729463118603412446957168230 4.0/24

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.290+/-0.000 χ^2/NDF: 12497499582457378759139446384230 4.0/30

Left In: -741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

Left: 21.165+/-0.000 χ^2/NDF: 215581911834256 32

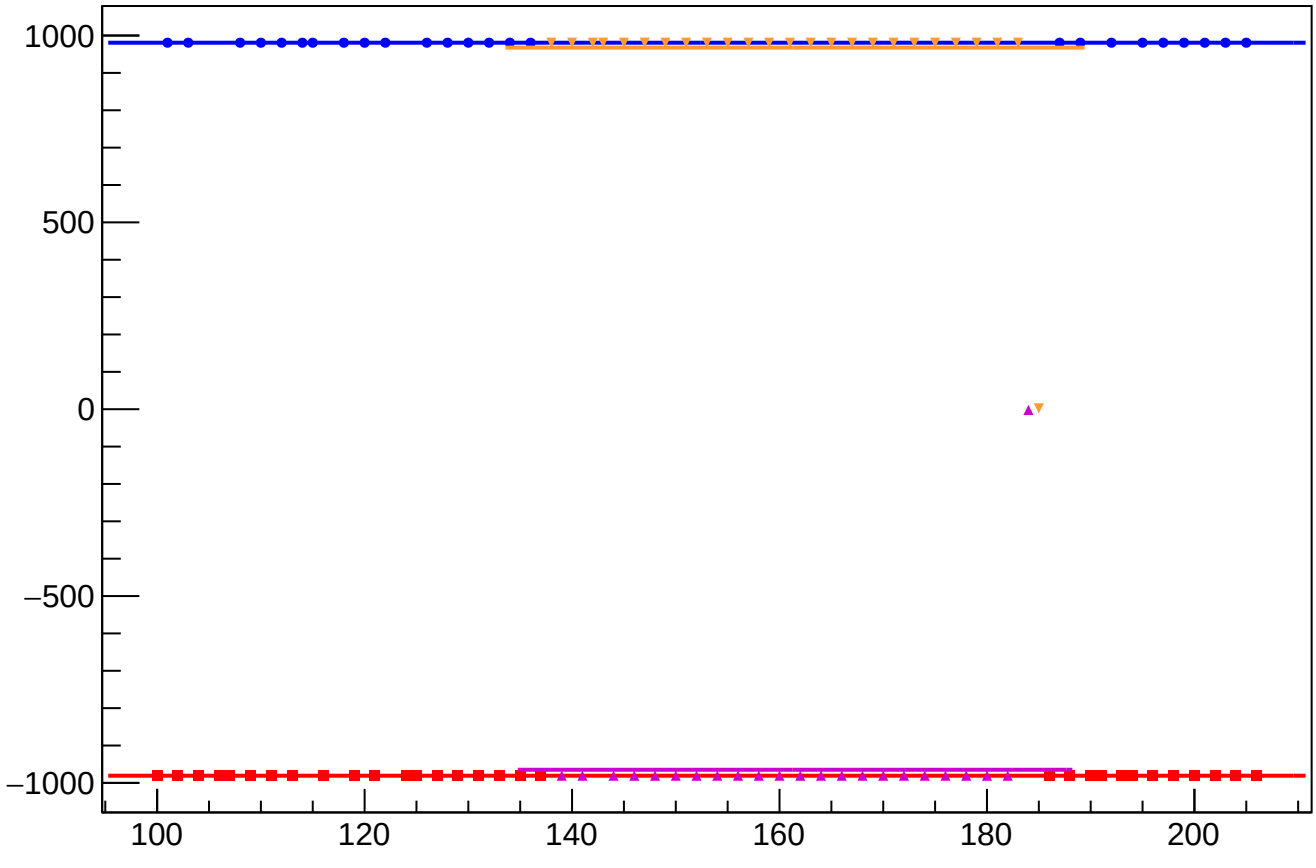
Right: -56.684+/-0.000 χ^2/NDF: 17072276082762 5

In: -102.601+/-0.000 χ^2/NDF:18057324117817 2

Out: 67.439+/-0.000 χ^2/NDF:20170307120431 241

All: -13.348+/-0.000 χ^2/NDF: 3873589494 19

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.808+/-0.000 χ^2/NDF: 1773733096782430325531243184128.0/24

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.778+/-0.000 χ^2/NDF: 6340491652581270169990077612032 0.0/30

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

Right: -74.996+/-0.000 χ^2/NDF: 2988527596387423

In: -126.517+/-0.000 χ^2/NDF:3138132492033457

Out: 81.920+/-0.000 χ^2/NDF:3508285690282467 5

All: -17.109+/-0.000 χ^2/NDF: 672279071770

MQ172RM_mean vs Slug, Sign Corrected

Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

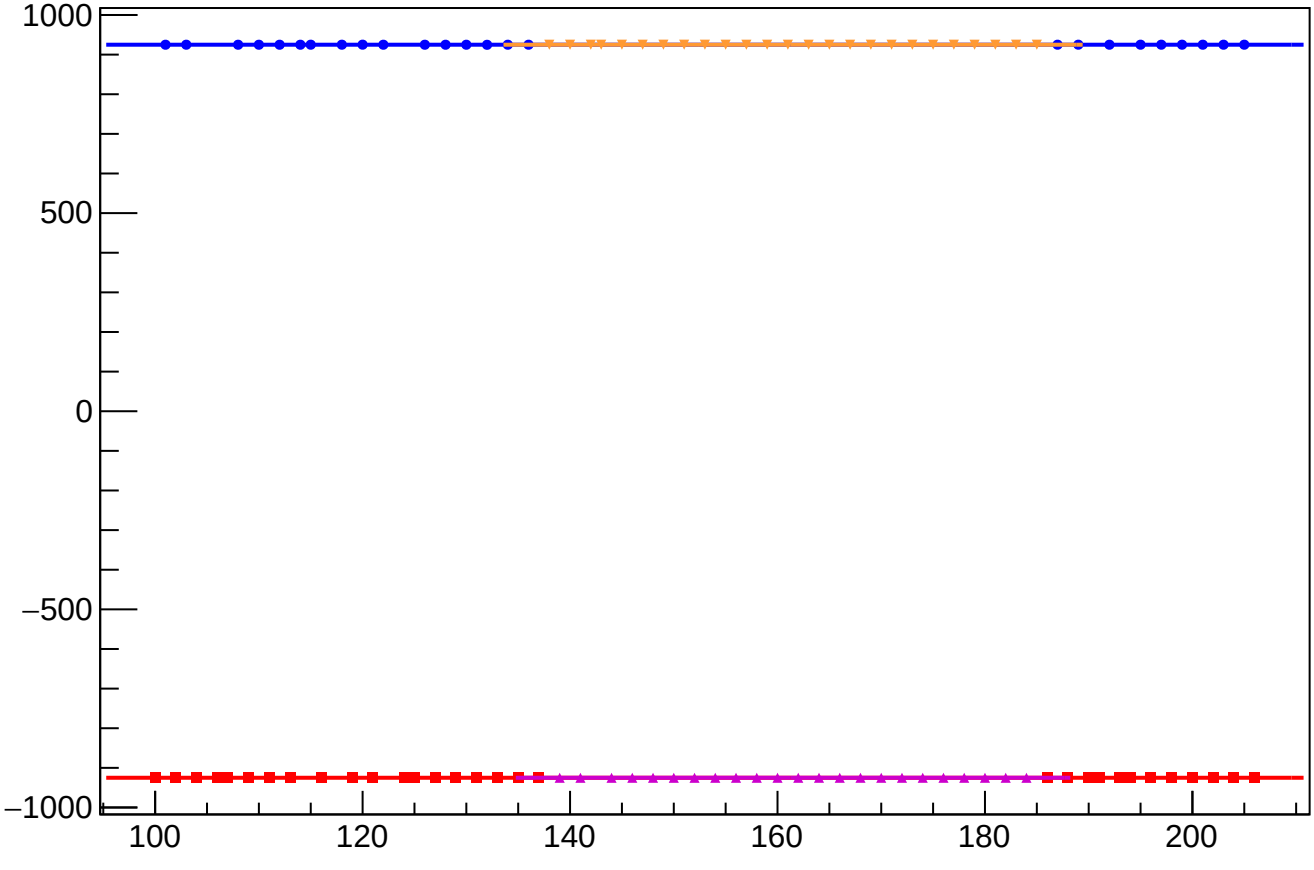
Right: -0.001+/-0.000 χ^2/NDF: 2730516749999994

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6193399108029

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.990+/-0.000 χ^2/NDF: 34355084651253075961665174896640/24

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.995+/-0.000 χ^2/NDF: 19480376443588010571087300526080/30

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

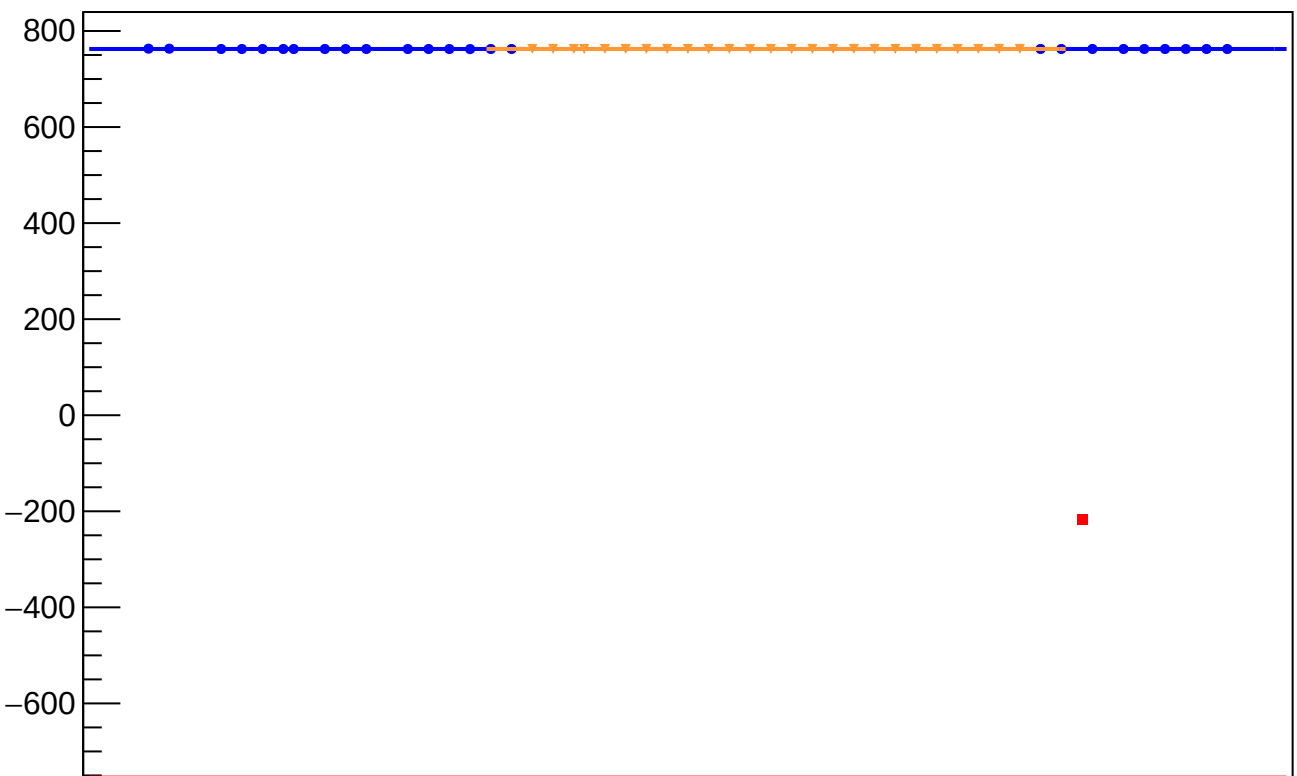
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -70.746+/-0.000 χ^2/NDF: 265814364008298

In: -127.876+/-0.000 χ^2/NDF:2810636228503424

Out: 83.993+/-0.000 χ^2/NDF:31396313531308824

All: -16.667+/-0.000 χ^2/NDF: 602917654034



Right In: 762.570+/-0.000 χ^2/NDF: 5488540589272592813059572393574 4.0/24

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -754.464+/-0.000 χ^2/NDF: 732877271377840939395180390960 5425152.0/30

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961 7536.0/22

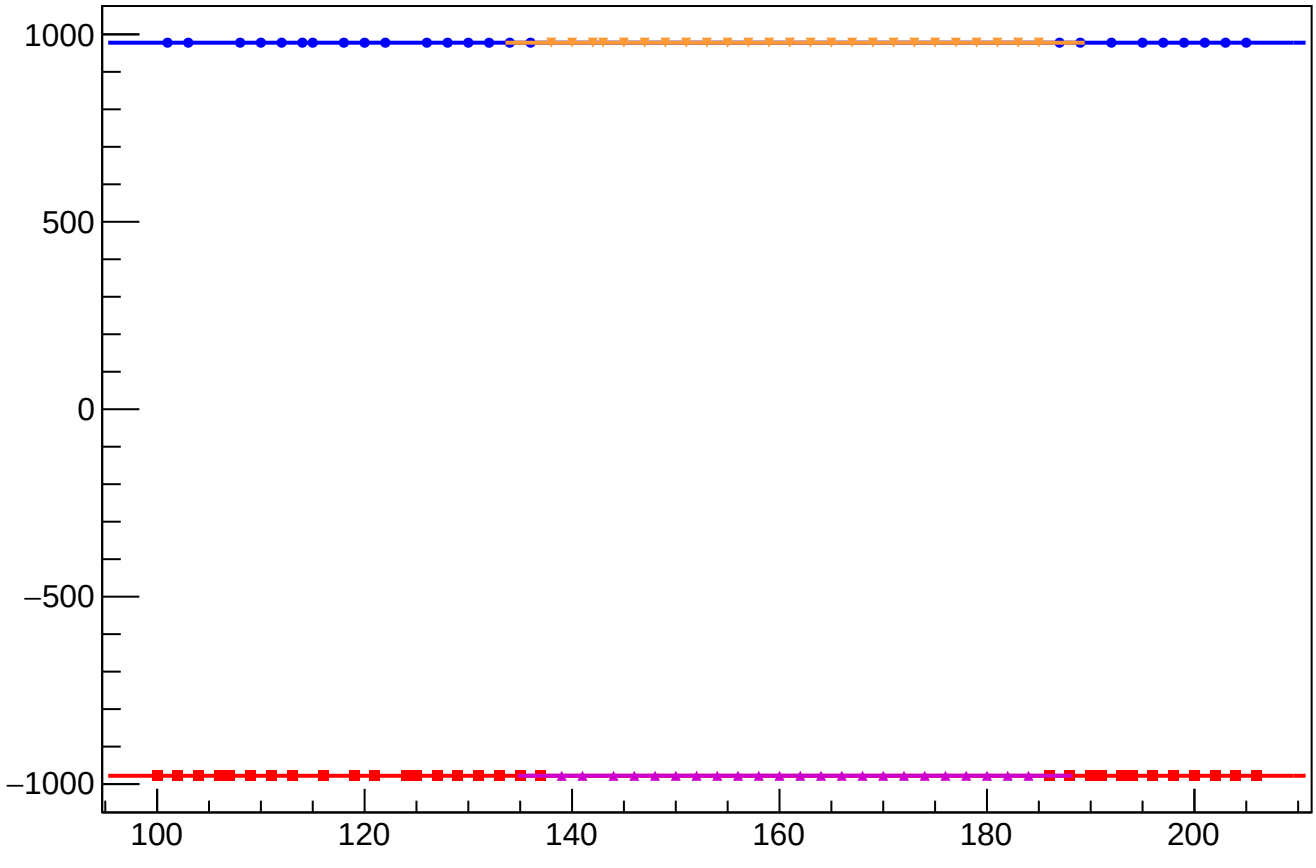
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -53.958+/-0.000 χ^2/NDF: 1794775373253525

In: -105.396+/-0.000 χ^2/NDF:1910137067260183

Out: 72.906+/-0.000 χ^2/NDF:21184168846395297

All: -11.806+/-0.000 χ^2/NDF: 408444012645



Right In: 977.759+/-0.000 χ^2/NDF: 22025435158164051374597629542400/24

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.756+/-0.000 χ^2/NDF: 2840155218169489961453940113408.0/30

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right: -74.778+/-0.000 χ^2/NDF: 297005636387695

In: -135.162+/-0.000 χ^2/NDF:3140415219421649

Out: 88.781+/-0.000 χ^2/NDF:3507990298293593

All: -17.615+/-0.000 χ^2/NDF: 673656368736

hesDipole_current_mean vs Slug, Sign Corrected

Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

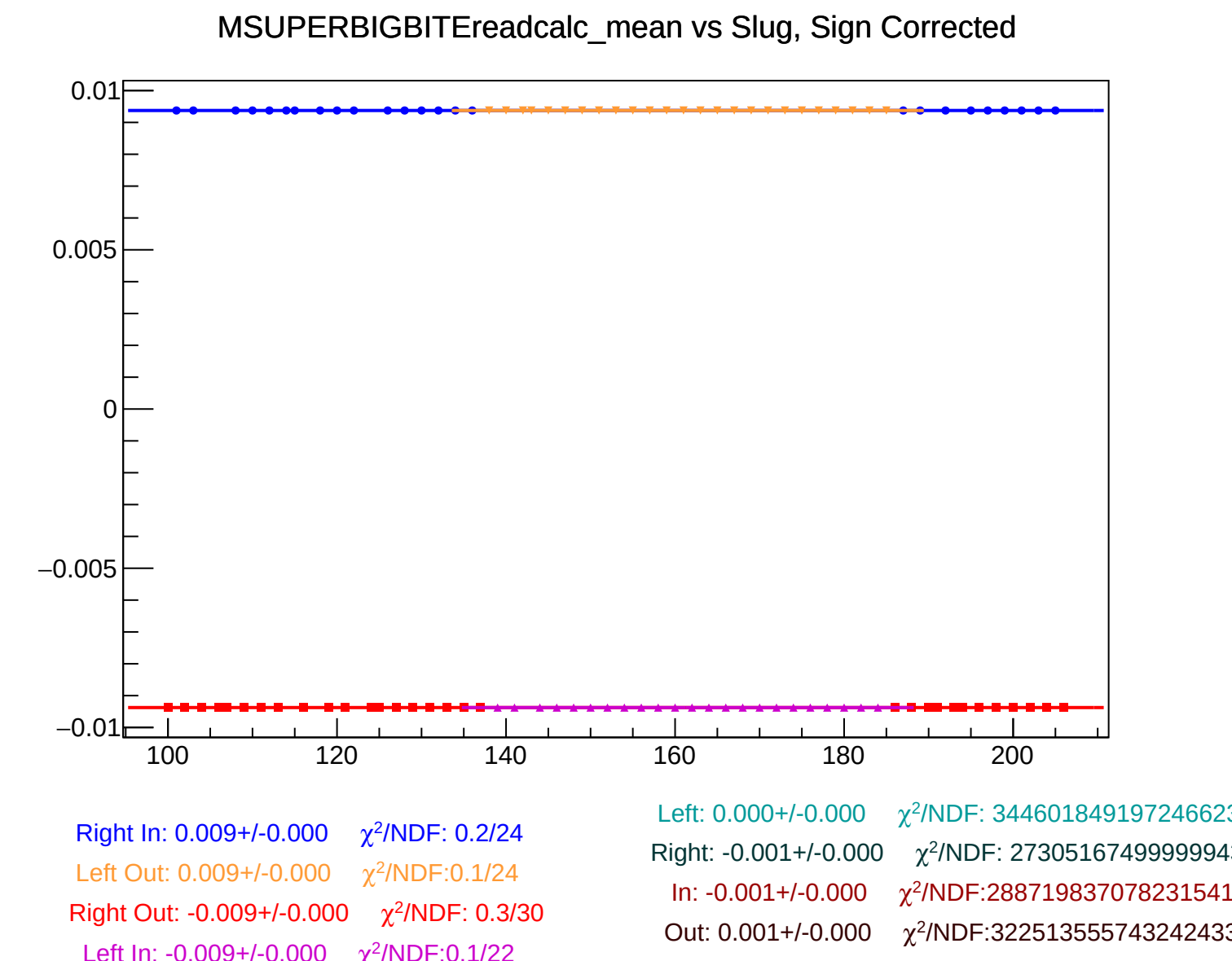
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2730516749999994

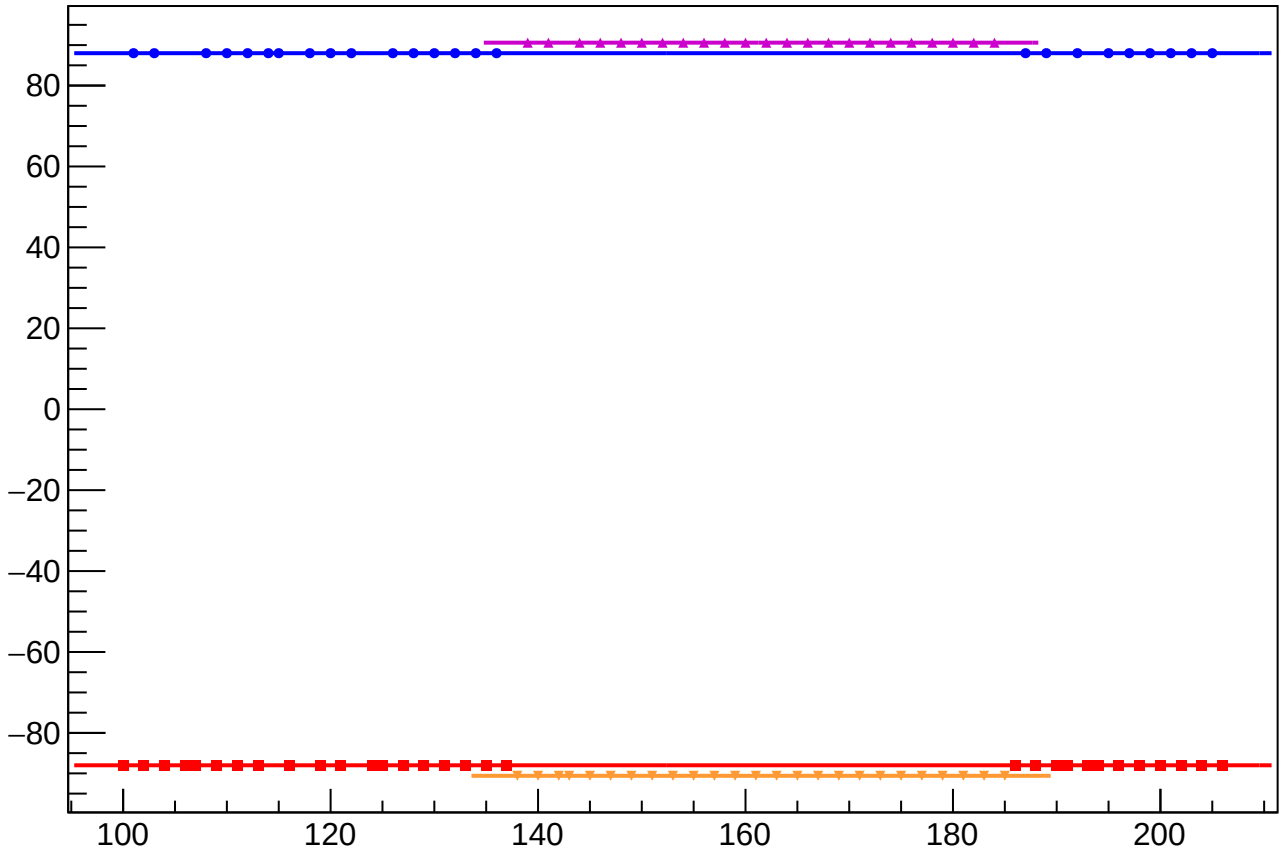
In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6193399108029


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 0.2/24
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.3/30
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 344601849197246623
Right: -0.001+/-0.000 χ²/NDF: 2730516749999994
In: -0.001+/-0.000 χ²/NDF:28871983707823154
Out: 0.001+/-0.000 χ²/NDF:322513555743242433
All: -0.000+/-0.000 χ²/NDF: 6193399108029

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 3556109.2/24

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 76274312804047448547132440576.0/30

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

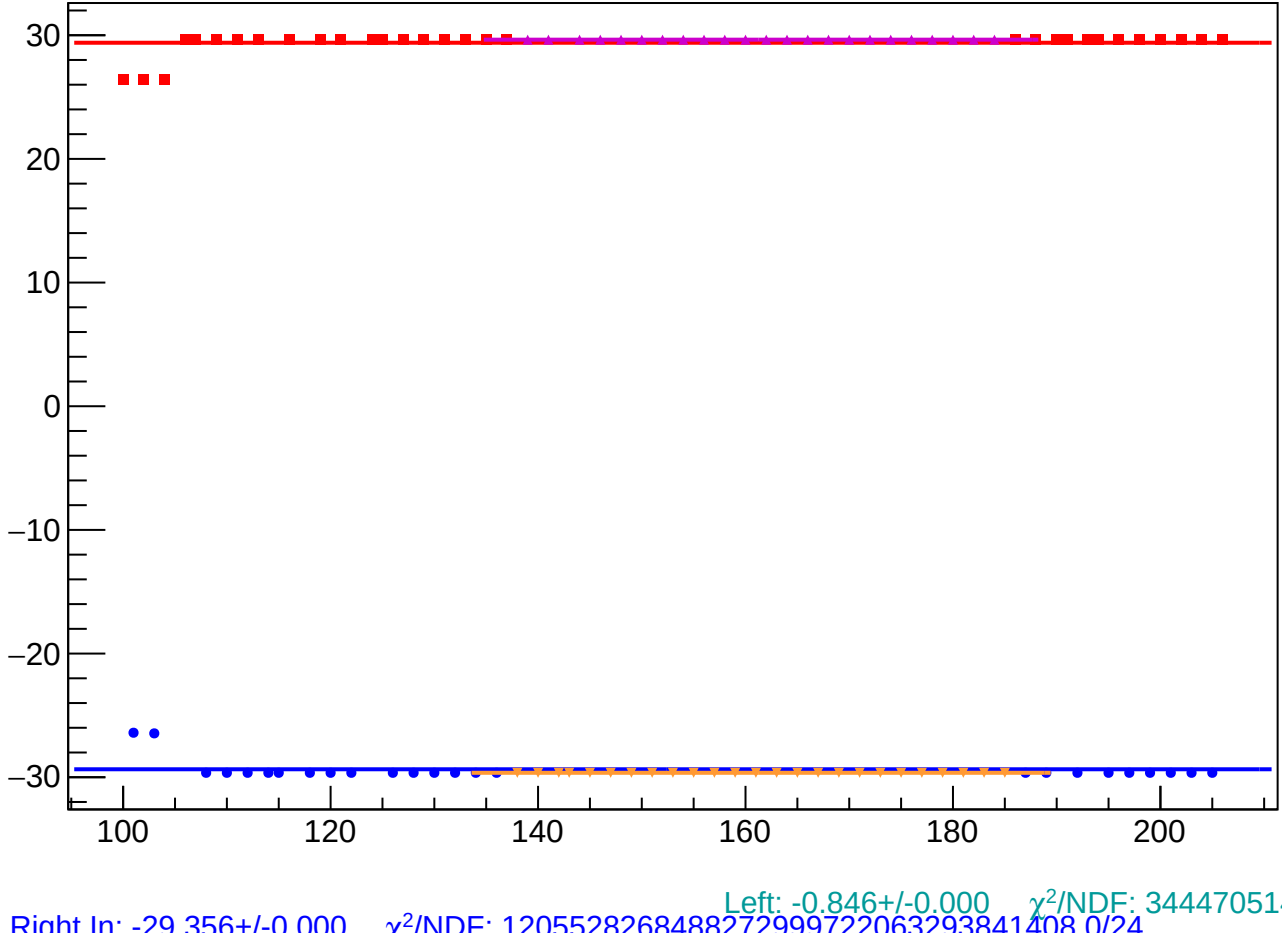
Right: -6.731+/-0.000 χ^2/NDF: 2405916942861018

In: 89.480+/-0.000 χ^2/NDF:554562959870476743

Out: -89.419+/-0.000 χ^2/NDF:6188957818001764

All: -4.424+/-0.000 χ^2/NDF: 5627192341029

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.356+/-0.000 χ^2/NDF: 120552826848827299972206329384140 8.0/24

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.392+/-0.000 χ^2/NDF: 125033156432818435664339527951 9744.0/30

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

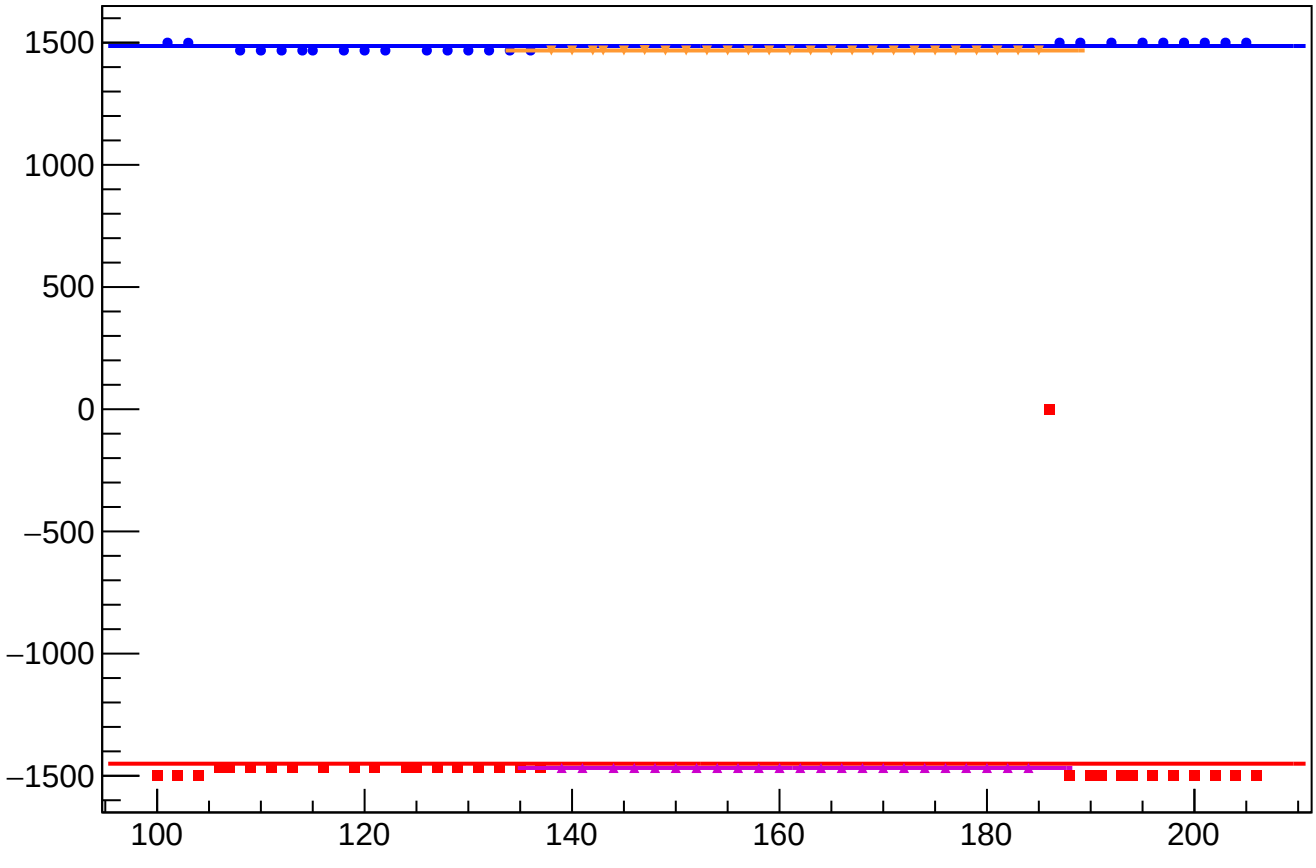
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.265+/-0.000 χ^2/NDF: 26830121478796274

In: 4.221+/-0.000 χ^2/NDF:285960484408837643

Out: -2.805+/-0.000 χ^2/NDF:31981860730038246

All: 0.533+/-0.000 χ^2/NDF: 6144552283330



Right In: 1486.376+/-0.000 χ^2/NDF: 3606816297681227200885389290446520320/24

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1450.476+/-0.000 χ^2/NDF: 9102349213126107960926521357008843571 2.0/30

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

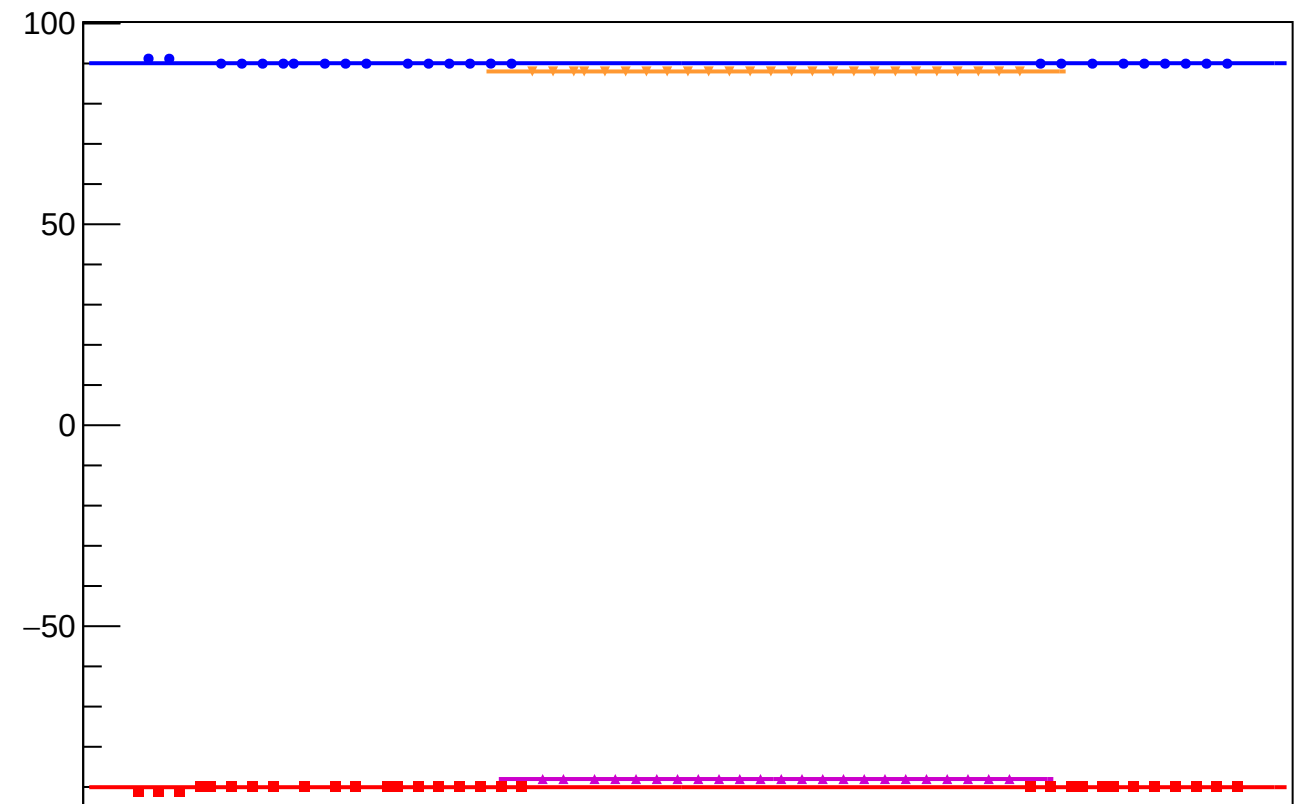
Right: -94.355+/-0.000 χ^2/NDF: 6790325361323467

In: -195.030+/-0.000 χ^2/NDF:7168452937667038

Out: 141.304+/-0.000 χ^2/NDF:7905009303322845

All: -18.489+/-0.000 χ^2/NDF: 152723152230

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.069+/-0.000 χ^2/NDF: 17643615617789452635075589124915 2.0/24

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.054+/-0.000 χ^2/NDF: 183138032818098303988558018379776.0/30

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

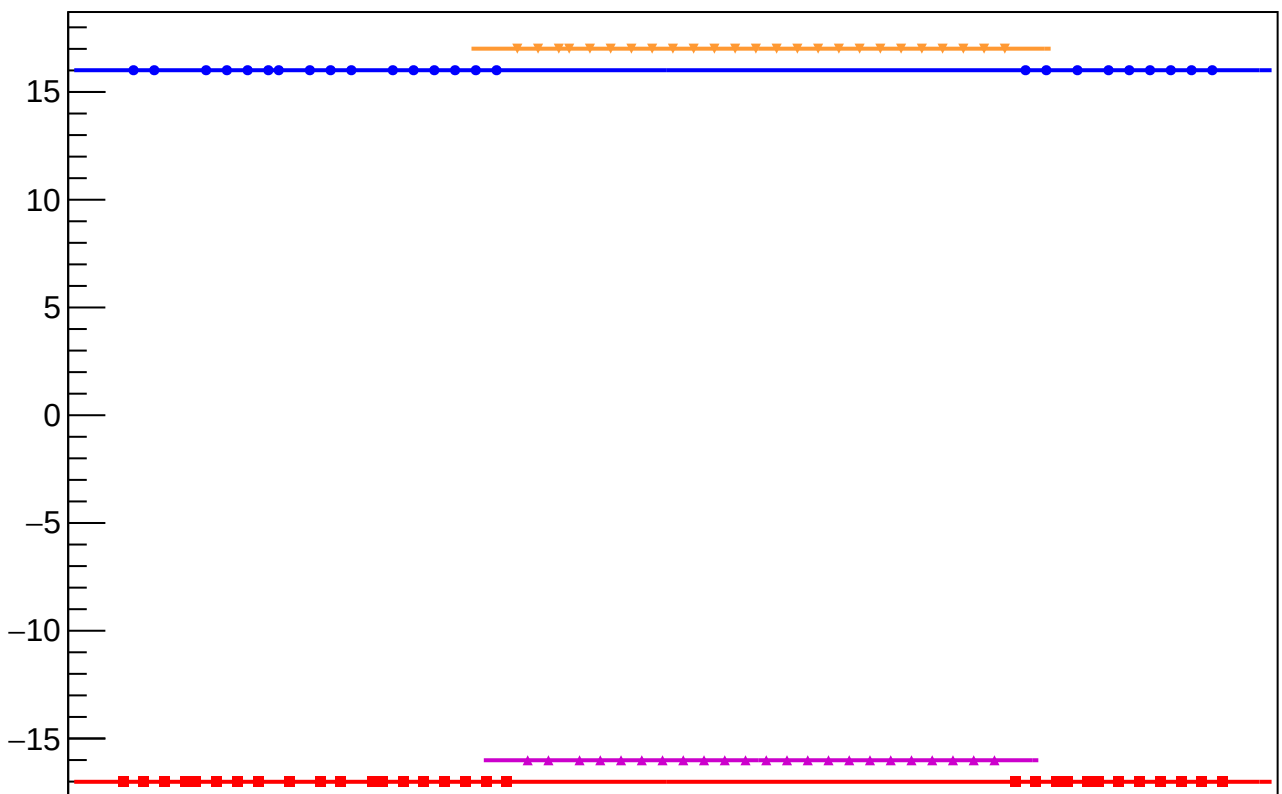
Right: -6.881+/-0.000 χ^2/NDF: 25199291703270616

In: -11.286+/-0.000 χ^2/NDF:26046790107249332

Out: 7.069+/-0.000 χ^2/NDF:290907261723182185

All: -1.652+/-0.000 χ^2/NDF: 5572976231820

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 10529298994067292343500 8.0/24

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 19686544174090609999478784.0/30

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

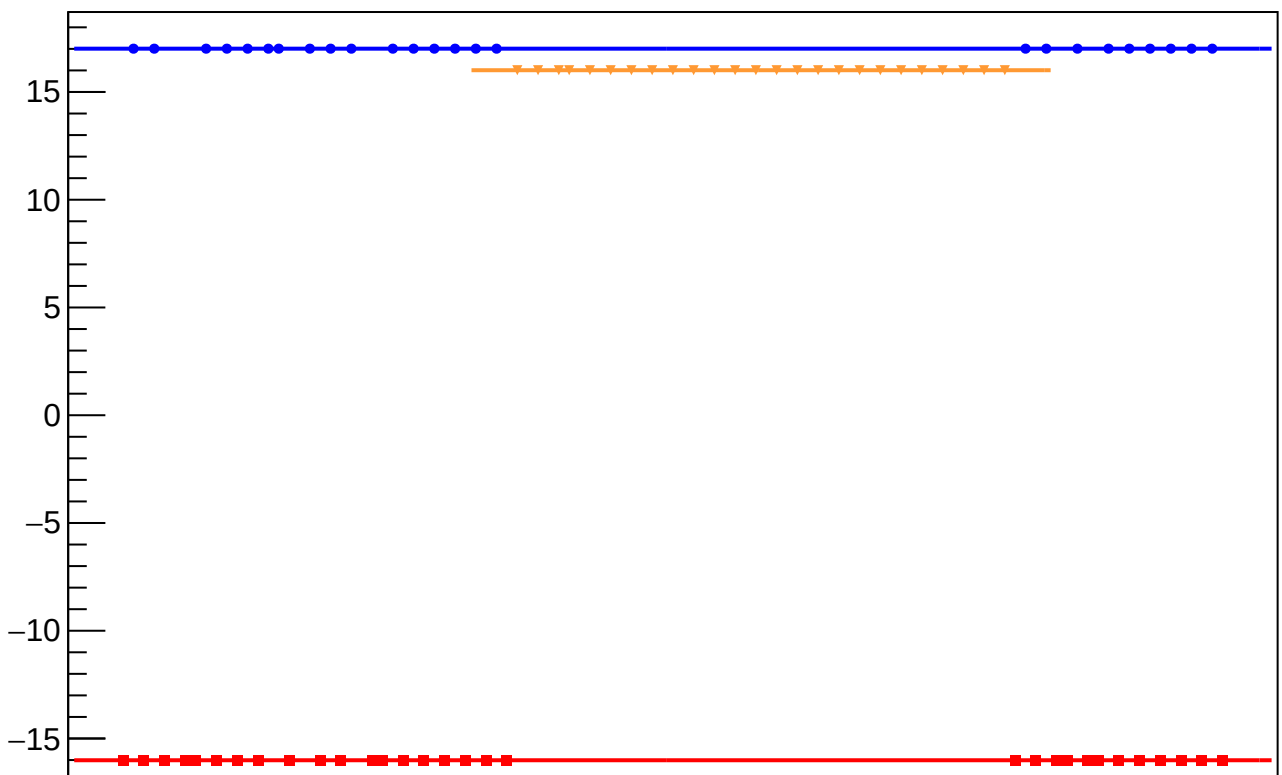
Right: -1.639+/-0.000 χ^2/NDF: 8181255205678543

In: -1.842+/-0.000 χ^2/NDF:802478686856690856

Out: 1.269+/-0.000 χ^2/NDF:100236206263448361

All: -0.213+/-0.000 χ^2/NDF: 1820912134863

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 10531767259750233590988 8.0/24

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 651826.3/30

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944 0.0/22

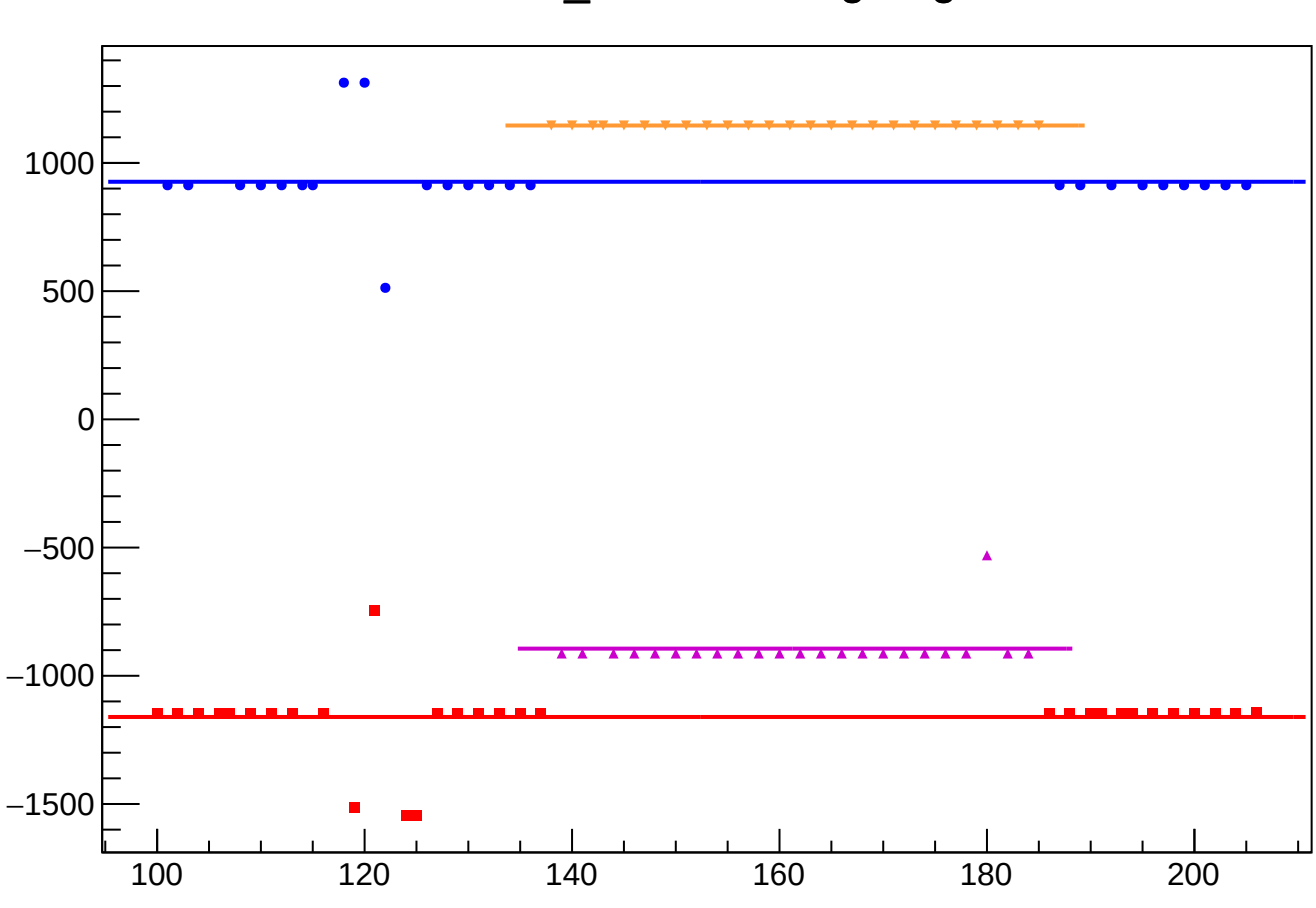
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.939+/-0.000 χ^2/NDF: 8350200409495223

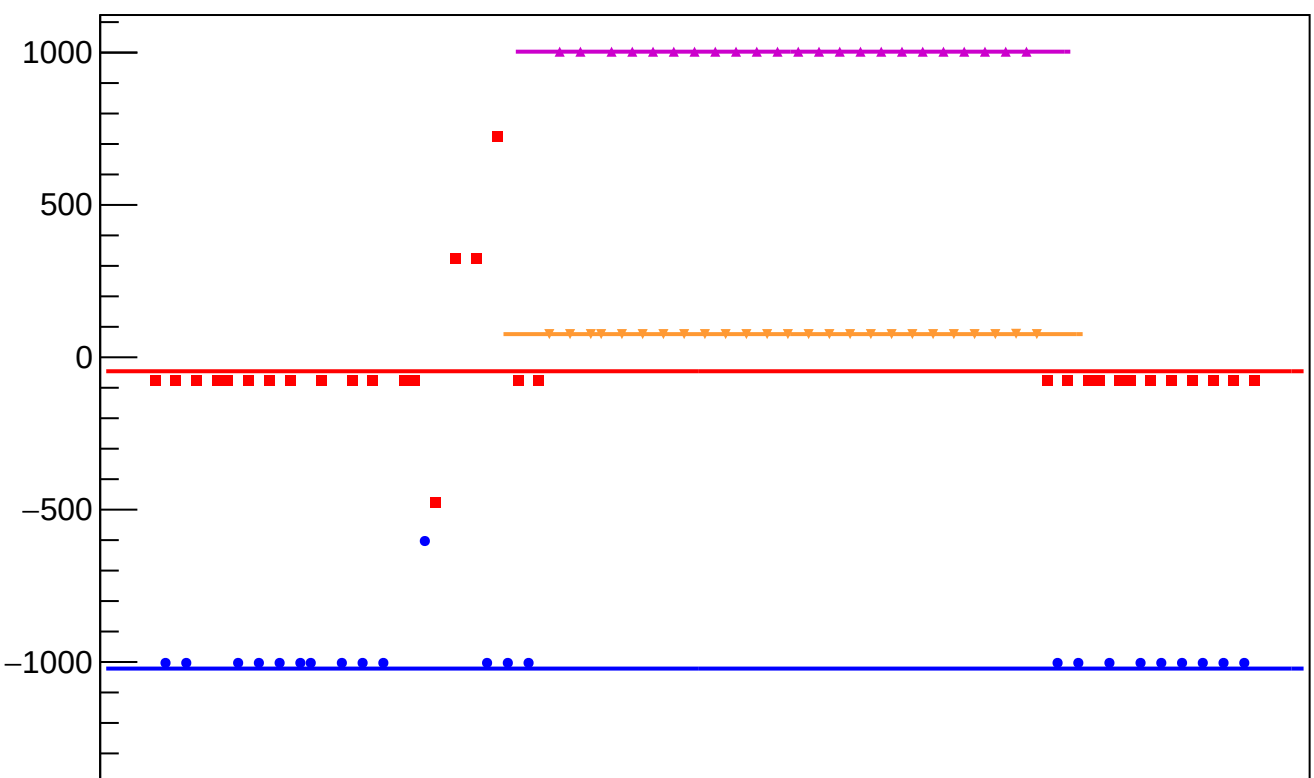
In: -2.347+/-0.000 χ^2/NDF:92778131226952072 4

Out: 1.370+/-0.000 χ^2/NDF:9337352619486992 41

All: -0.381+/-0.000 χ^2/NDF: 1885396206252


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right In: 926.578+/-0.000 χ²/NDF: 213351578438772560829630082469792317440/24
Right: -196.845+/-0.000 χ²/NDF: 342750725256075
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720/24
In: -109.620+/-0.000 χ²/NDF:2756790293718498
Right Out: -1160.638+/-0.000 χ²/NDF: 22586765364382528451258555586278588416.0/30
Out: 97.426+/-0.000 χ²/NDF:49036223745801057
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
All: -0.942+/-0.000 χ²/NDF: 7735769051827

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1021.562+/-0.000 χ^2/NDF: 233419108705453793299940518136444354560/24

Right: -496.372+/-0.000 χ^2/NDF: 810720646440241

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 130.661+/-0.000 χ^2/NDF:33894792852487325

Right Out: -45.808+/-0.000 χ^2/NDF: 47905507479736857514071241240671682560.0/30

Out: 20.655+/-0.000 χ^2/NDF:61528693009696332

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

All: 72.919+/-0.000 χ^2/NDF: 3472280685503

RTPPITA1CNT_mean vs Slug, Sign Corrected

Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2730516749999994

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6193399108029

RTPPITA2CNT_mean vs Slug, Sign Corrected

Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2730516749999994

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6193399108029